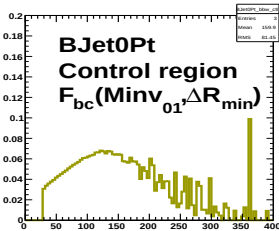
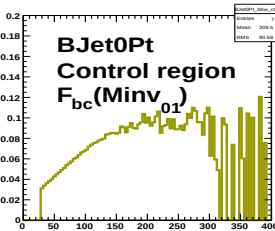
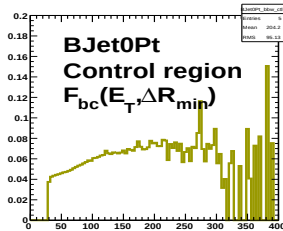
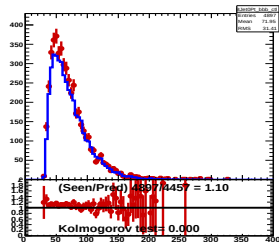
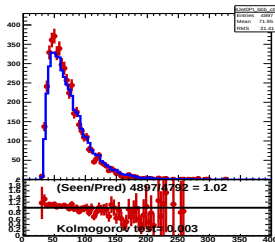
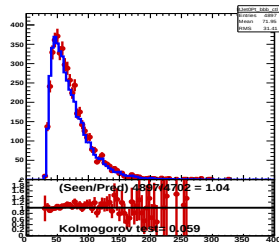


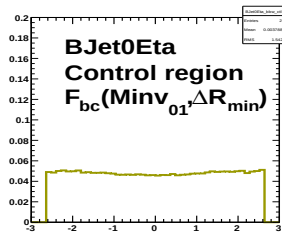
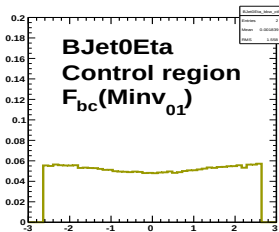
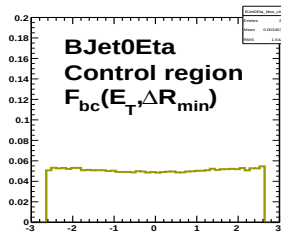
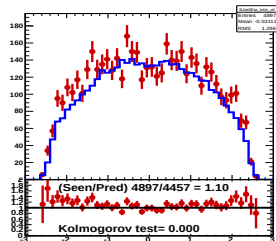
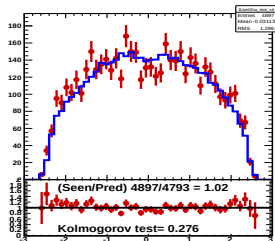
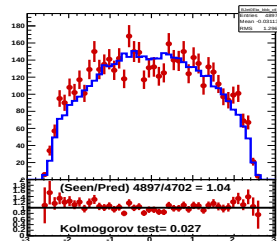
PD meeting,
PD, 5 April 2011

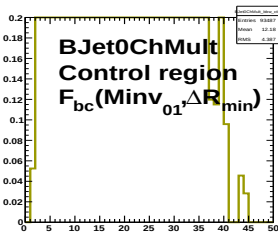
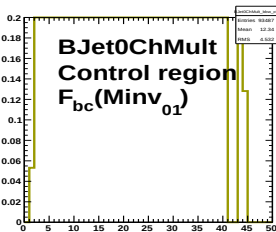
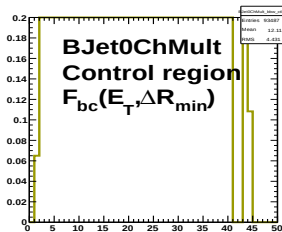
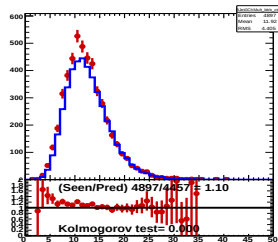
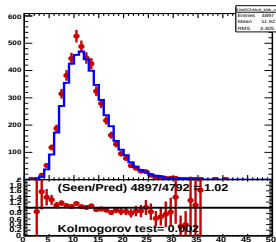
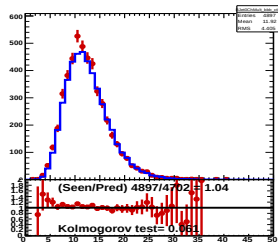


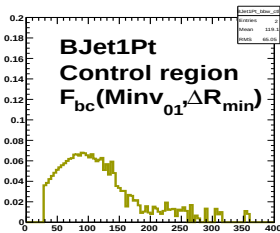
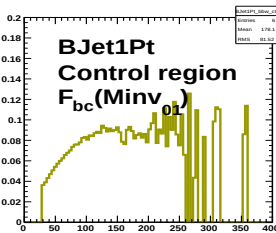
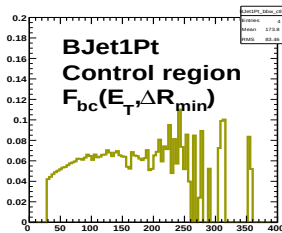
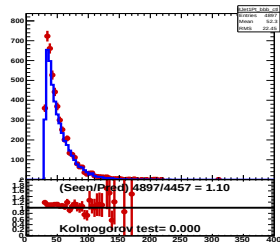
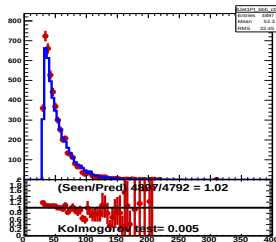
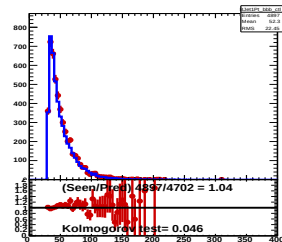
More test

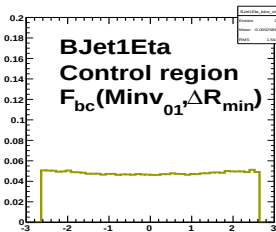
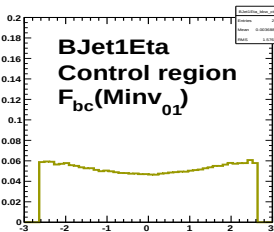
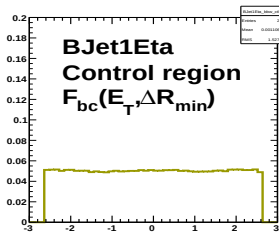
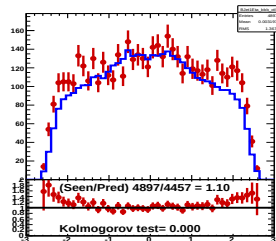
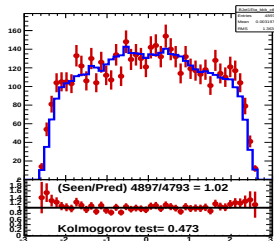
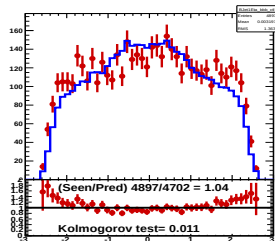
- Try to change parametrization variables (other than $E_T^{(3)}$ and ΔR_{min}) to see if closure improves.
- Test with just M_{01} , invariant mass of first two jets, the very same variable we are observing;
- try also with M_{01} and ΔR_{min}
- Results are promising: maybe it's just a matter to find the right parametrization.

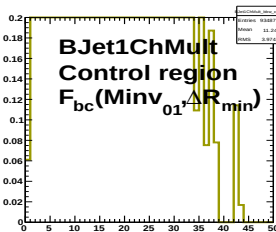
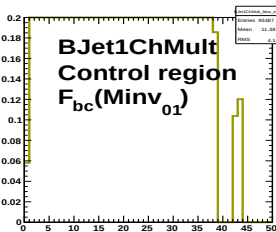
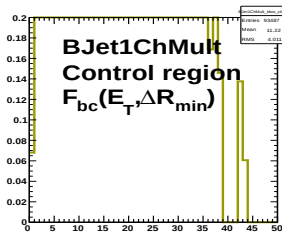
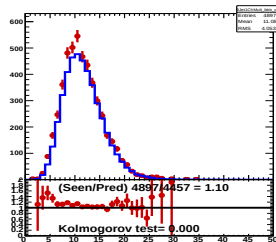
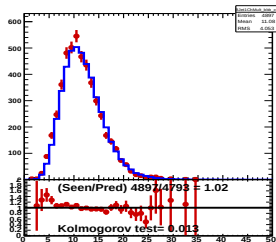
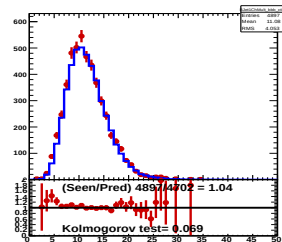


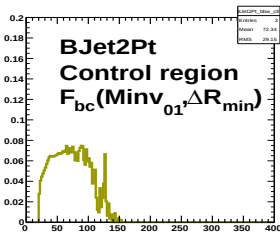
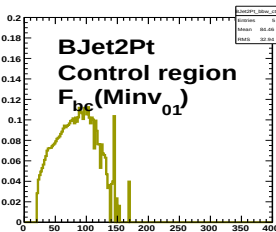
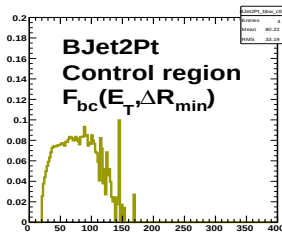
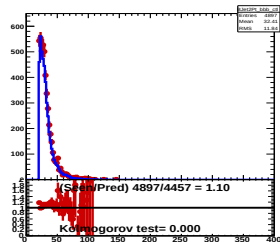
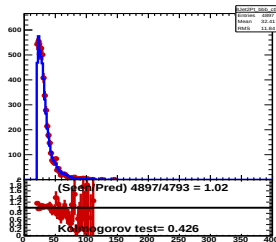
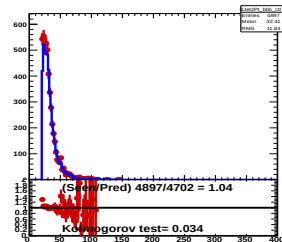


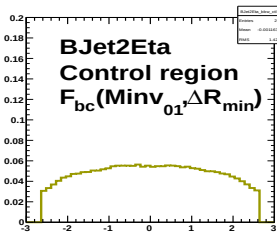
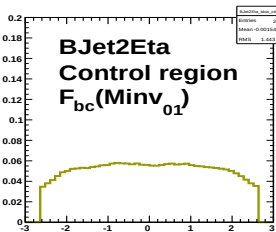
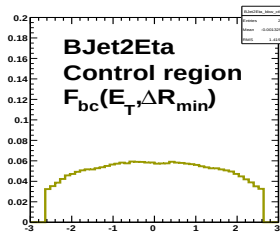
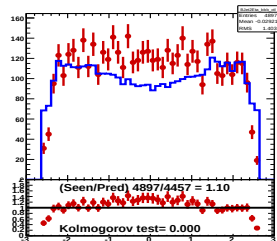
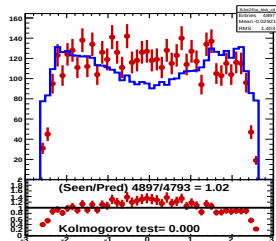
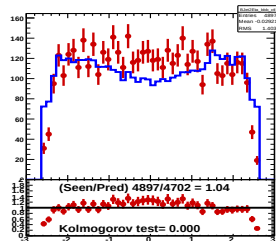


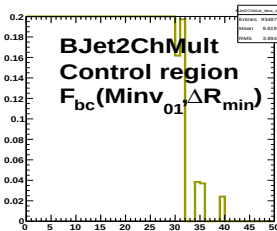
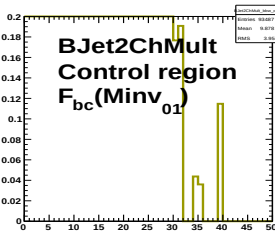
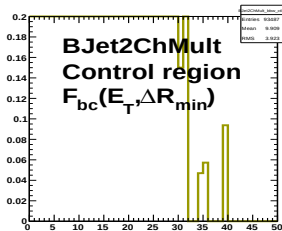
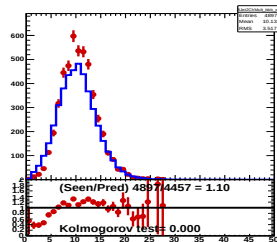
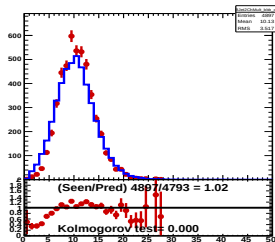
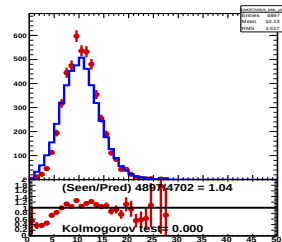


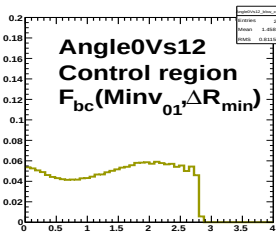
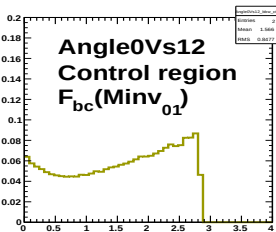
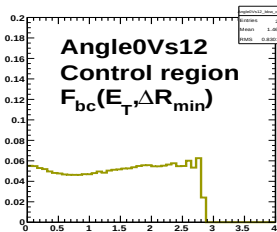
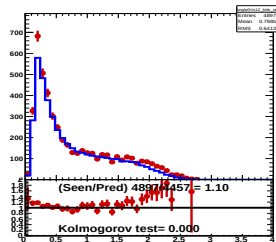
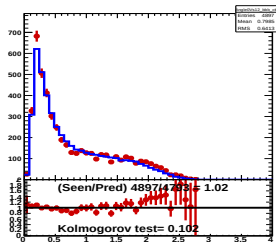
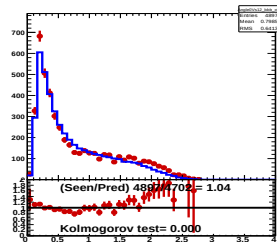


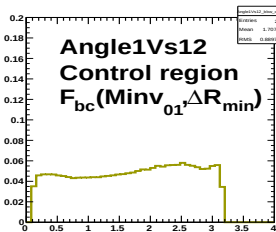
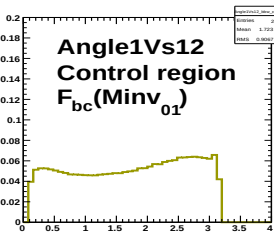
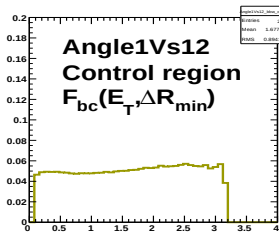
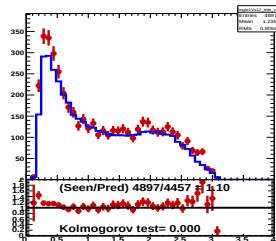
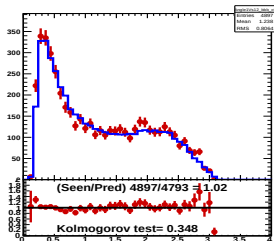
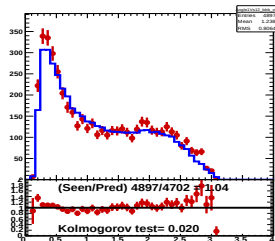


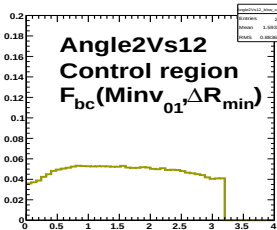
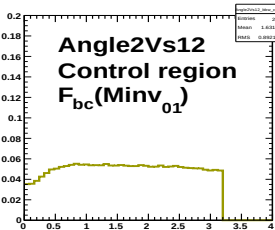
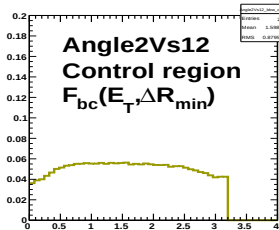
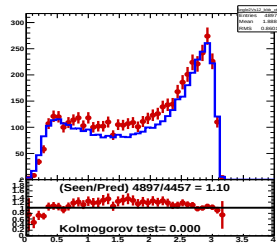
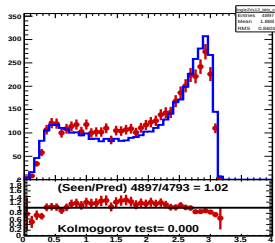
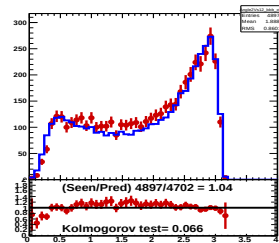


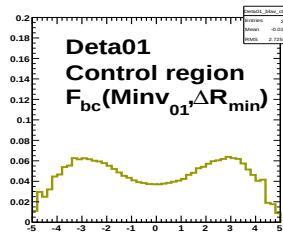
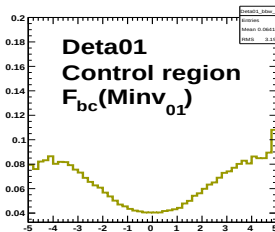
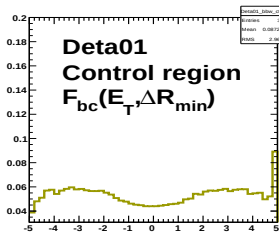
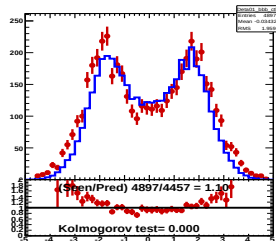
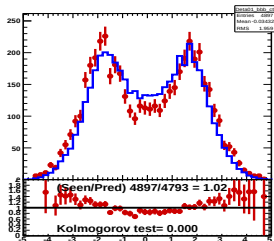
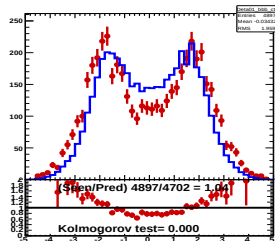


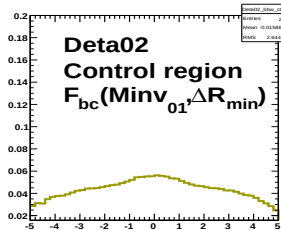
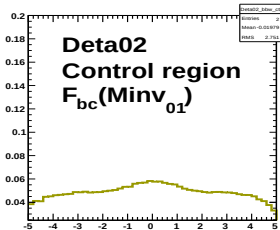
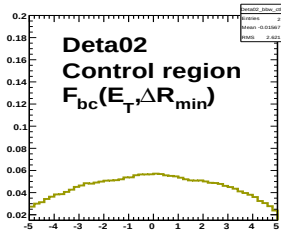
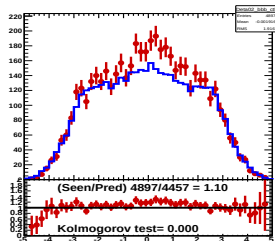
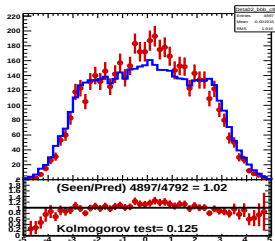
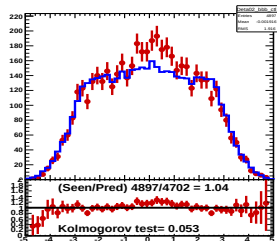


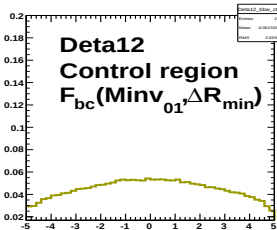
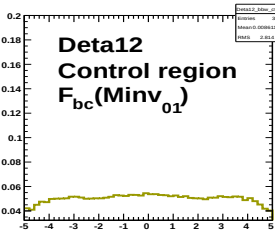
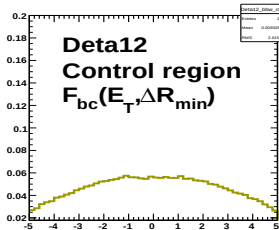
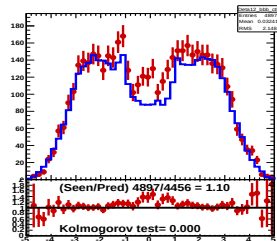
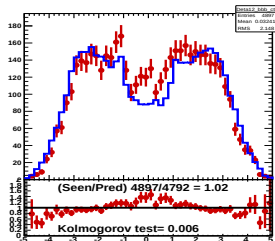
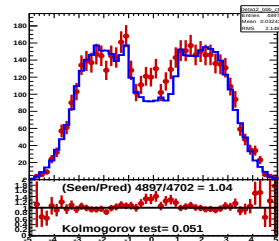


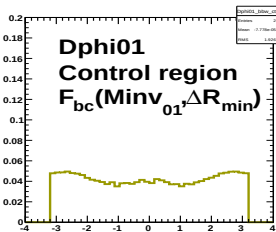
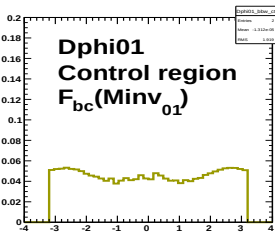
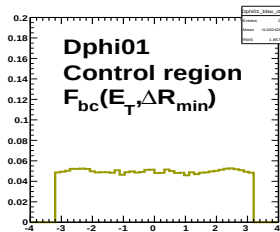
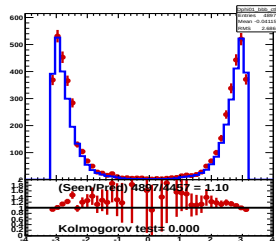
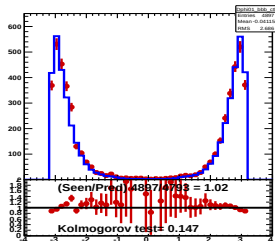
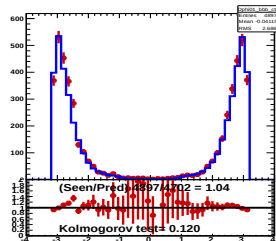


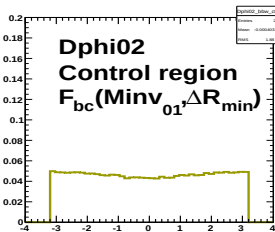
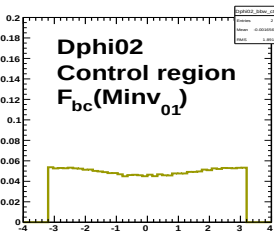
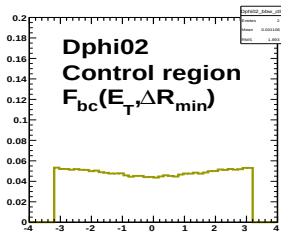
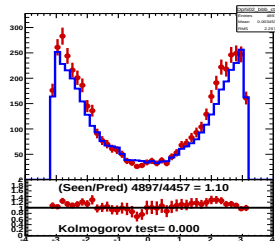
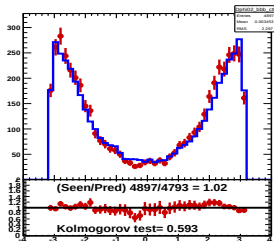
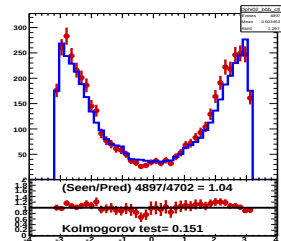


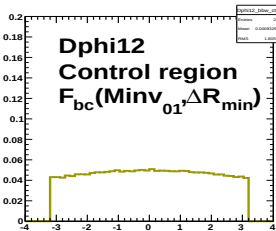
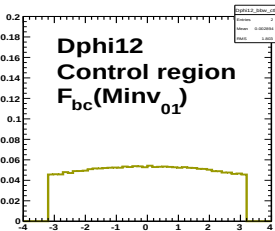
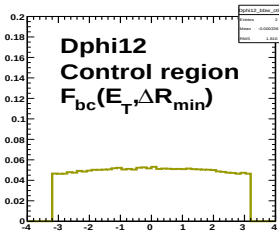
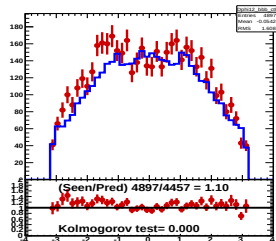
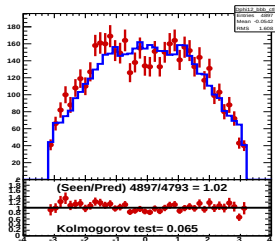
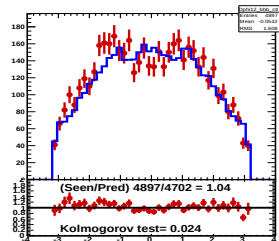


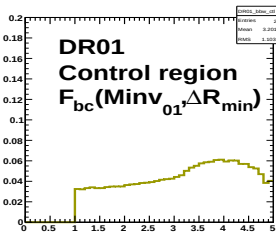
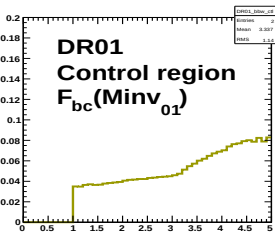
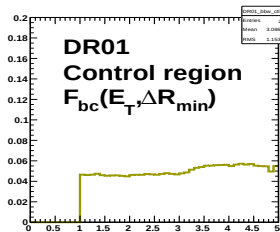
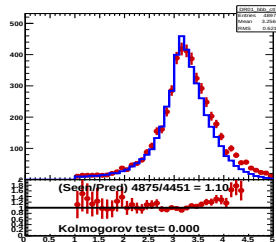
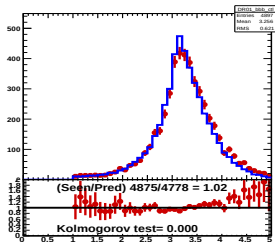
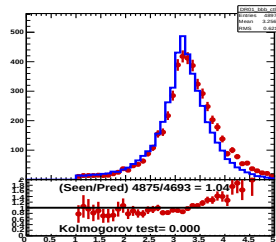


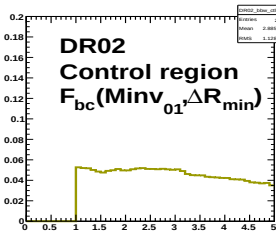
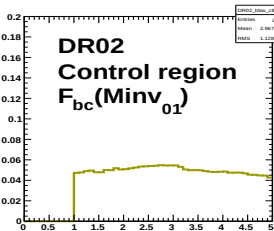
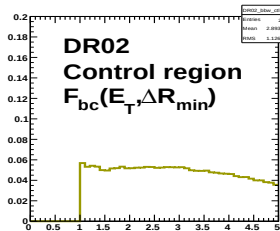
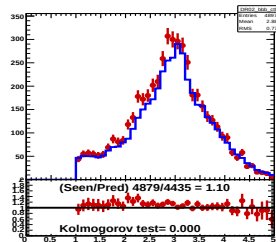
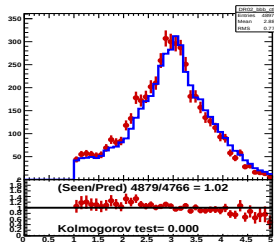
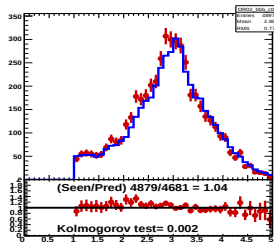


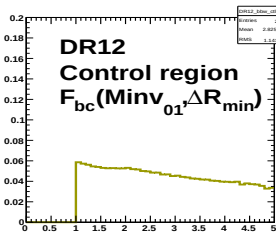
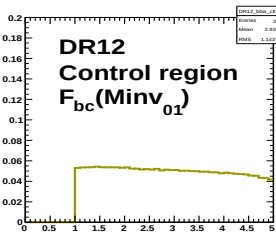
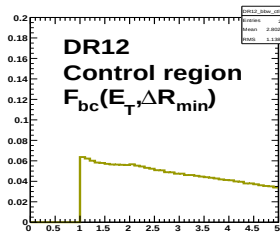
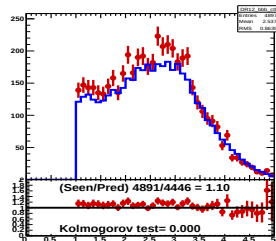
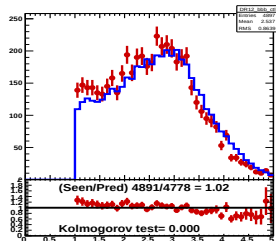
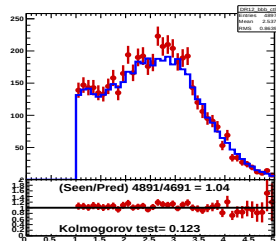


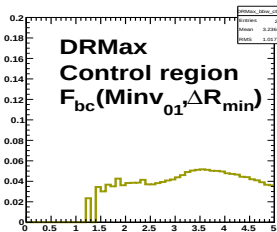
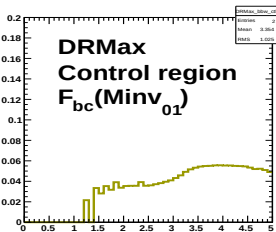
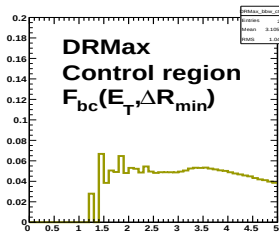
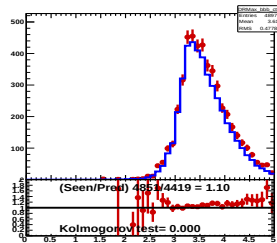
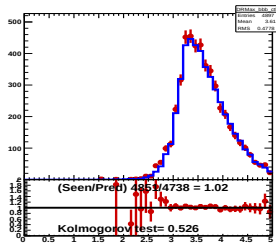
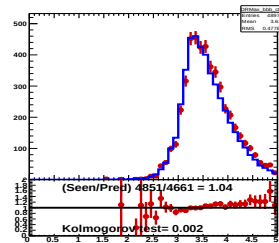


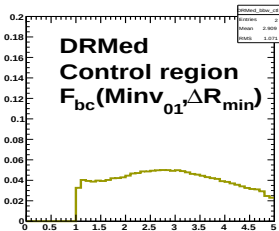
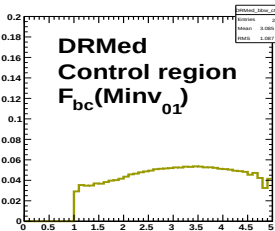
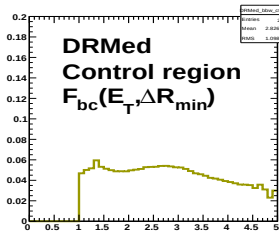
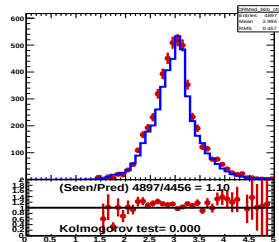
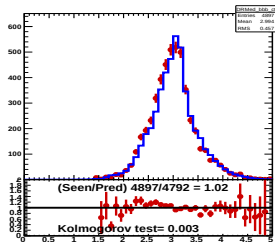
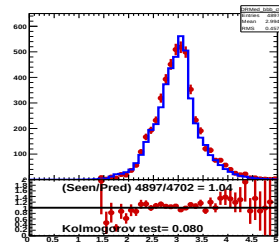


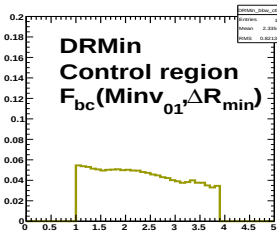
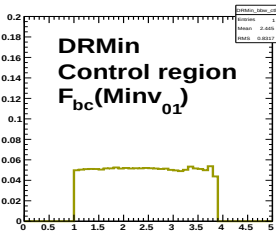
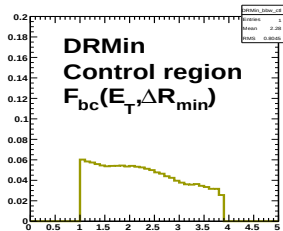
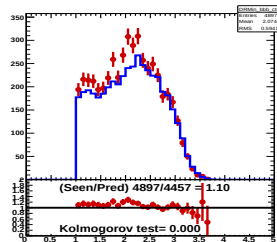
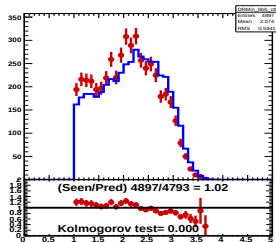
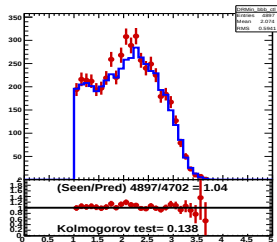


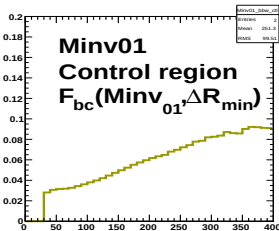
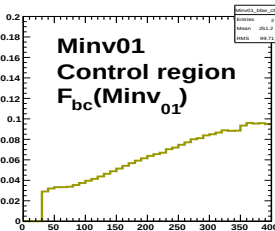
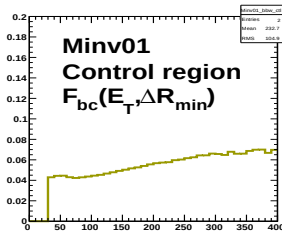
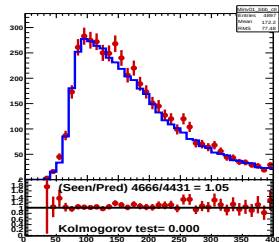
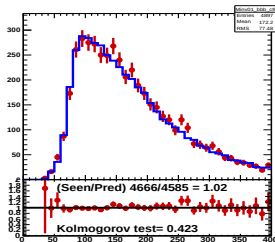
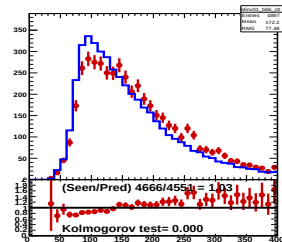


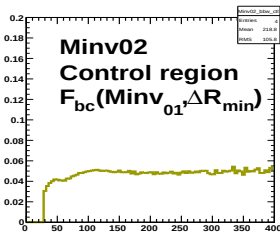
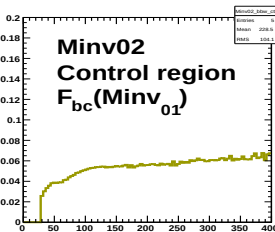
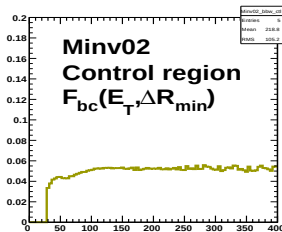
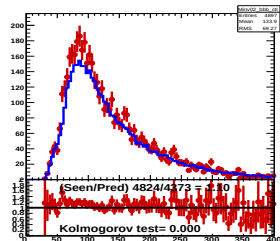
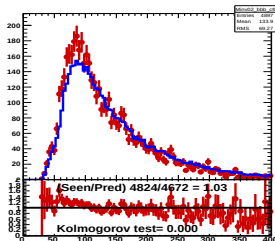
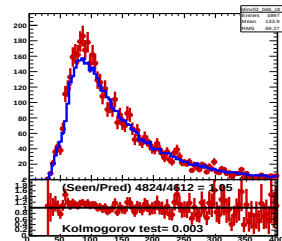


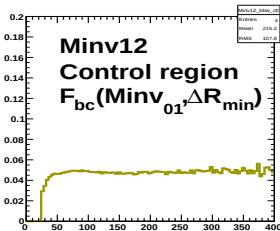
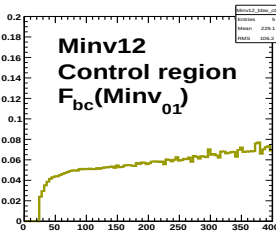
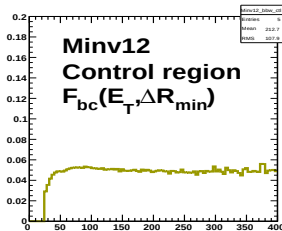
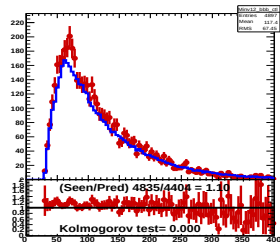
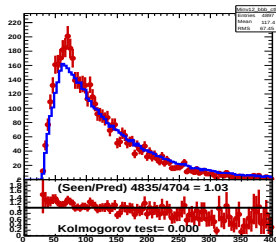
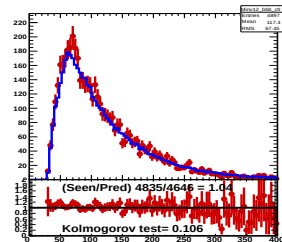


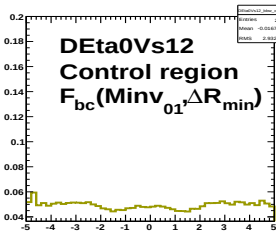
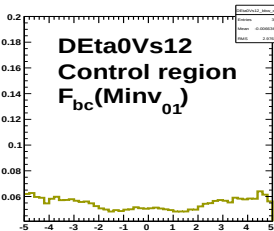
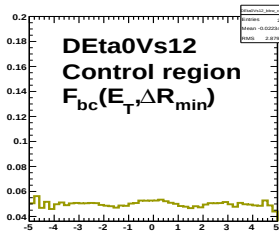
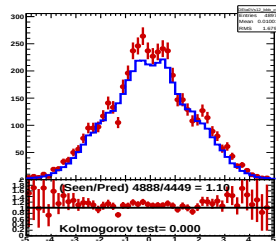
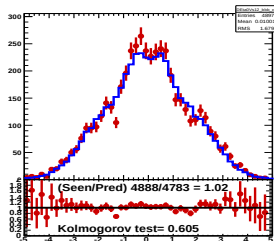
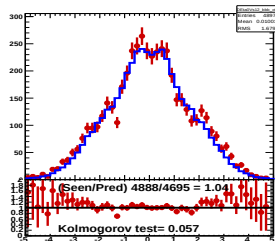


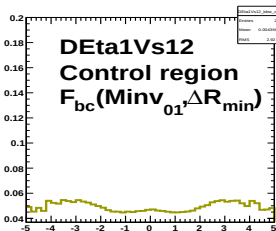
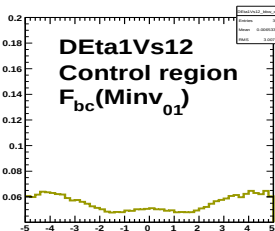
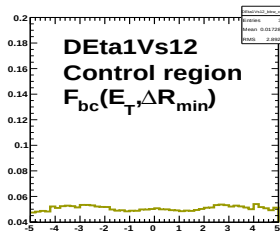
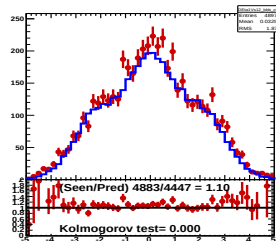
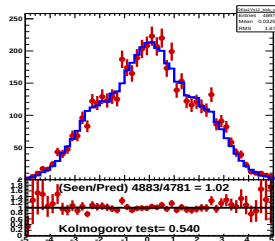
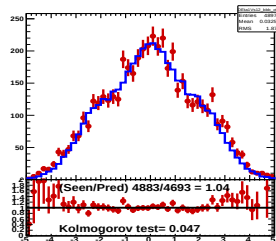


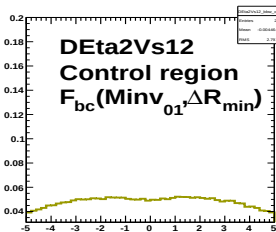
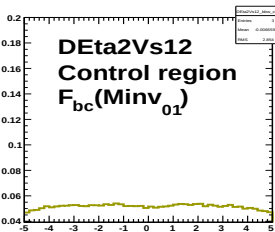
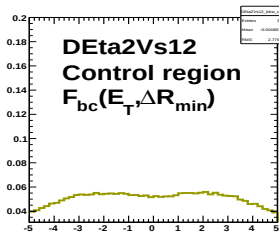
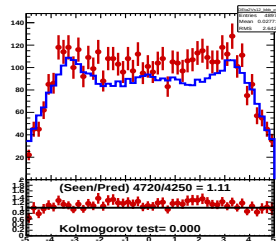
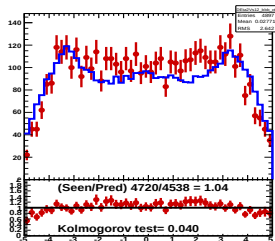
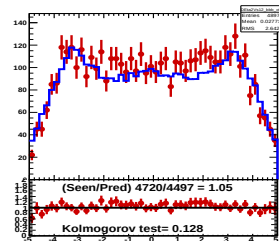


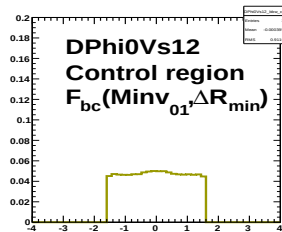
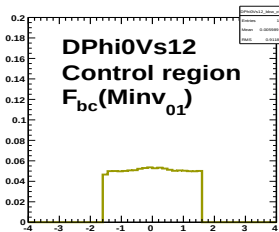
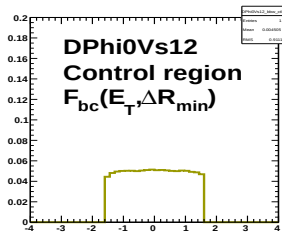
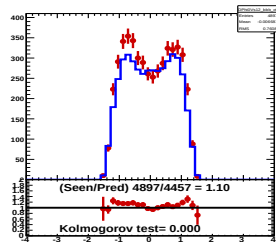
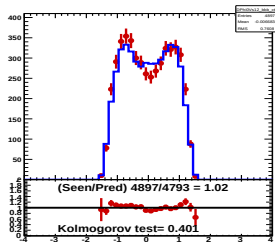
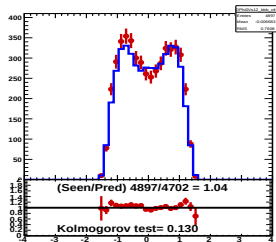


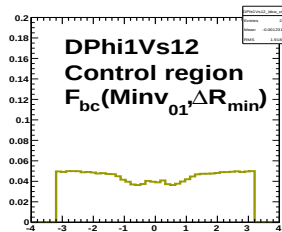
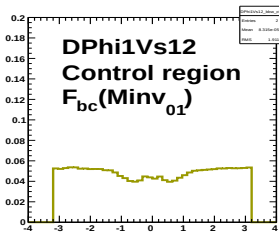
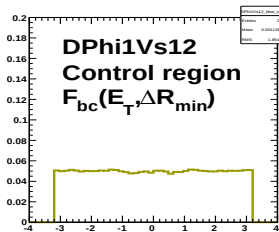
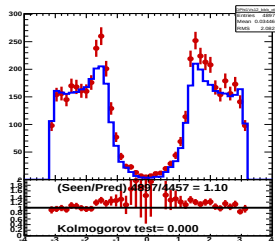
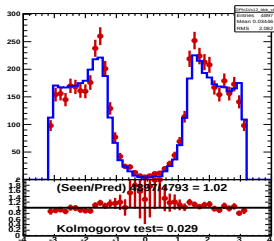
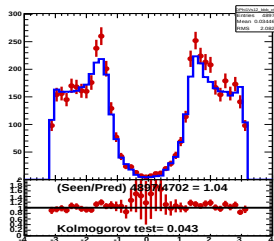


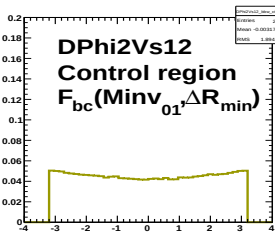
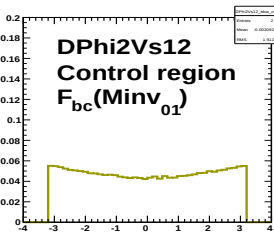
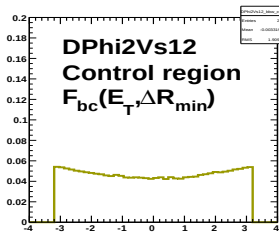
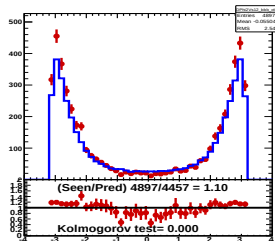
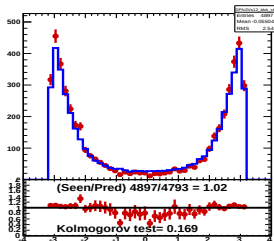
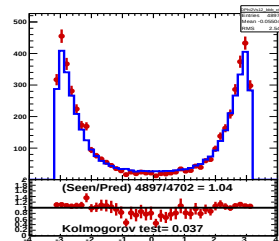


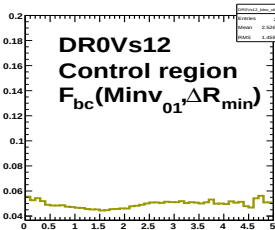
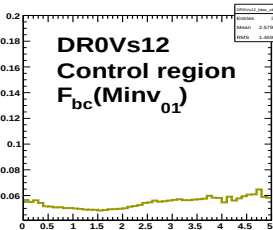
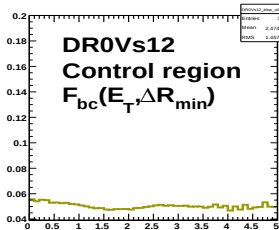
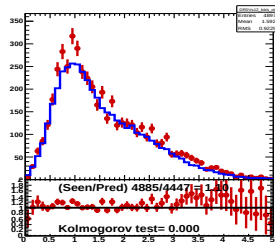
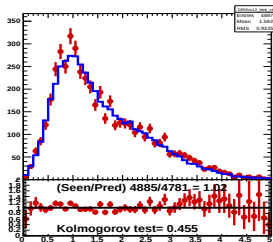
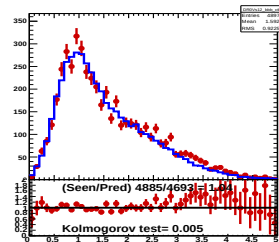


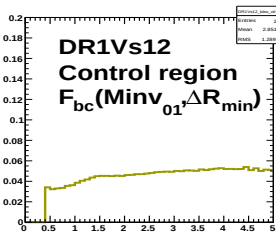
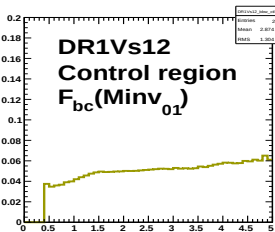
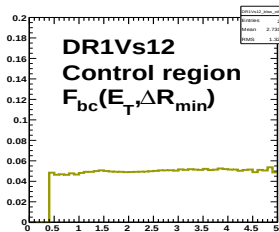
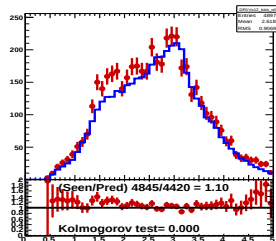
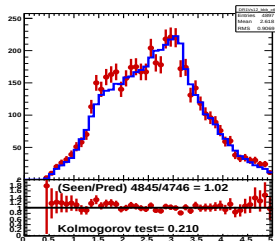
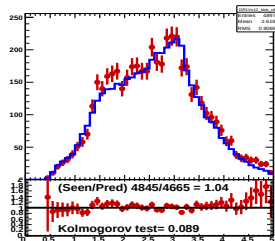


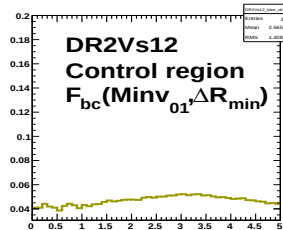
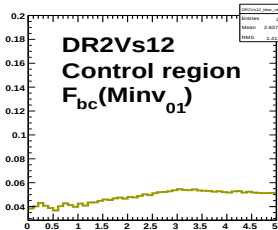
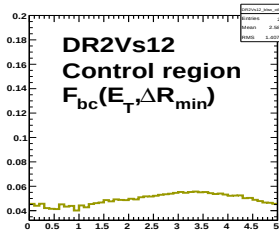
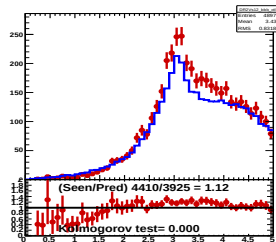
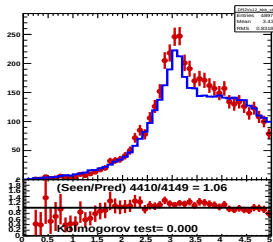
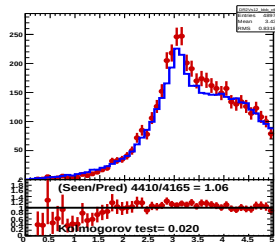


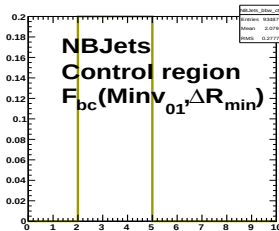
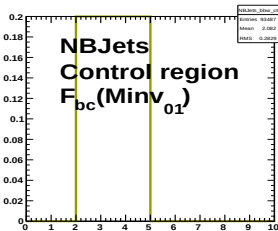
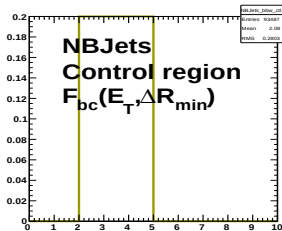
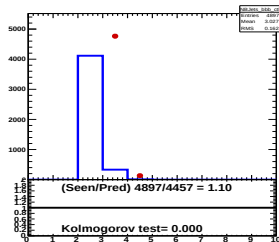
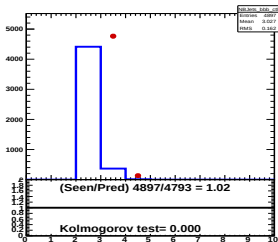
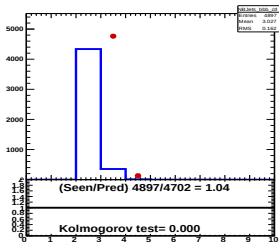


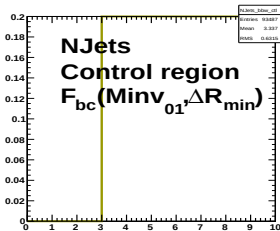
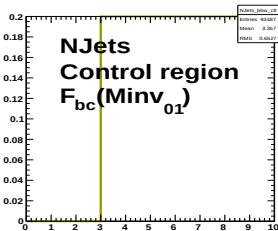
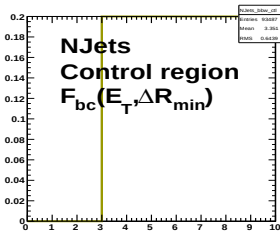
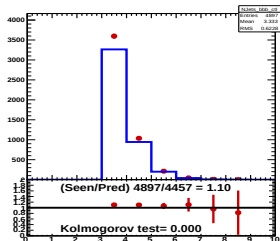
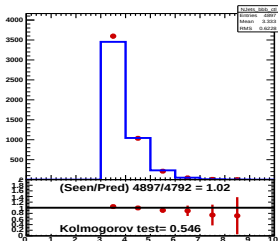
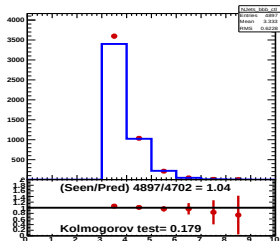


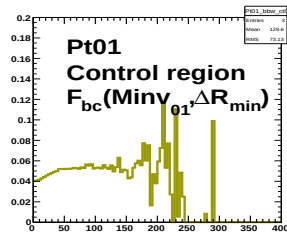
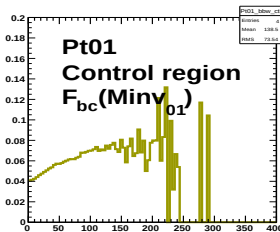
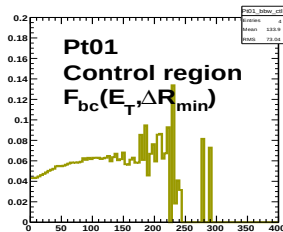
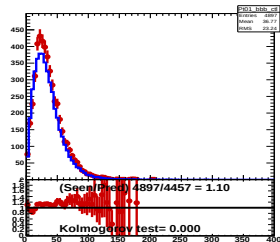
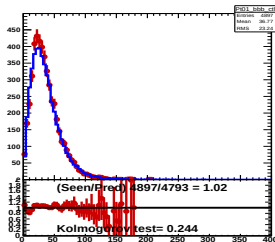
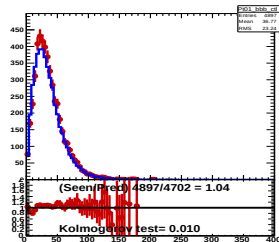


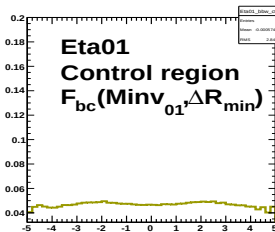
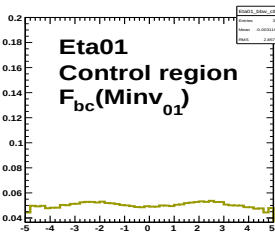
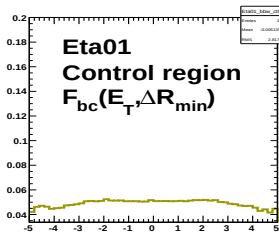
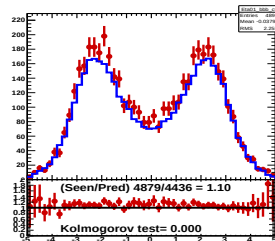
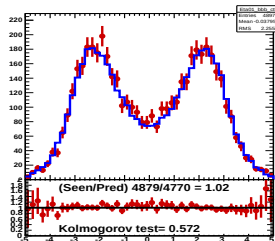
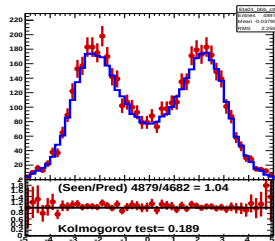


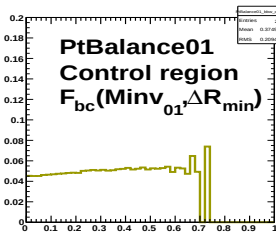
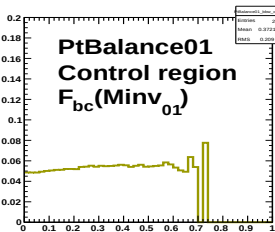
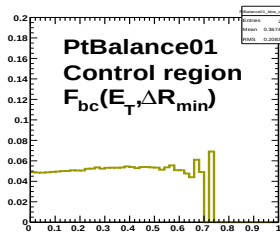
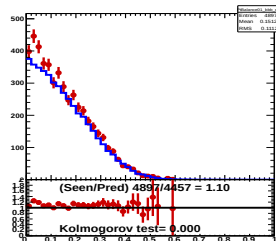
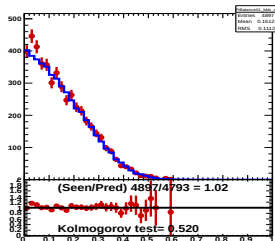
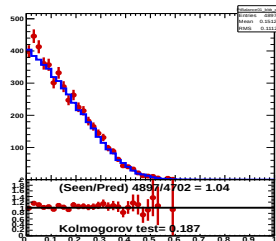


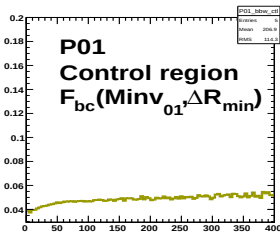
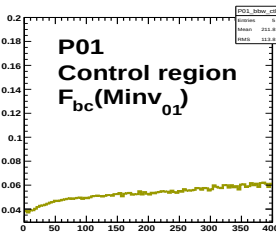
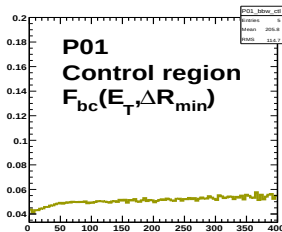
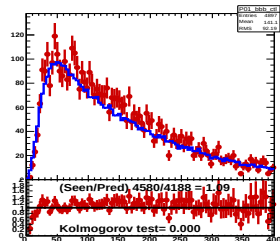
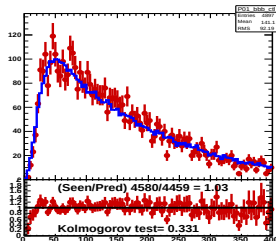
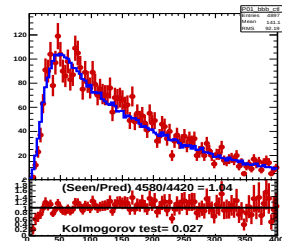


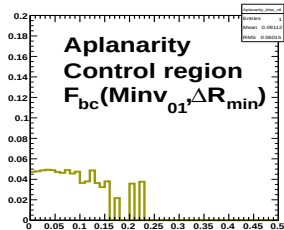
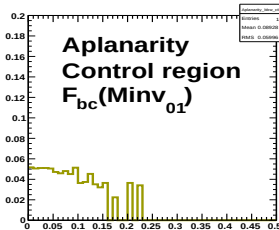
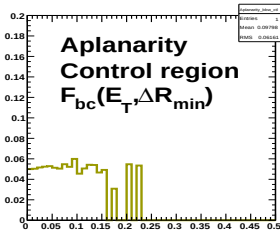
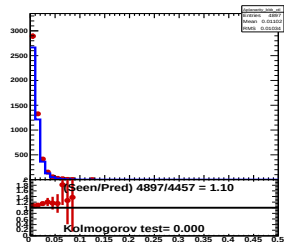
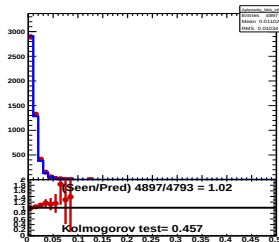
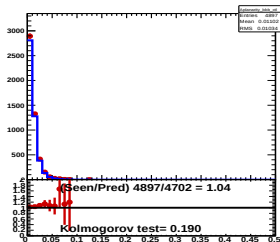


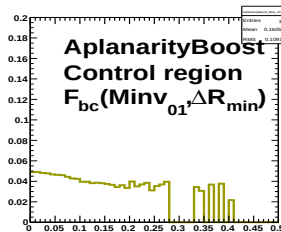
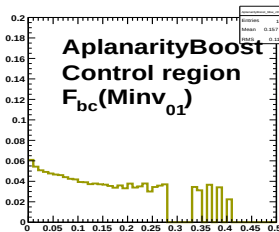
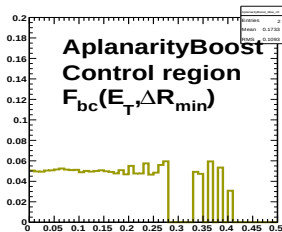
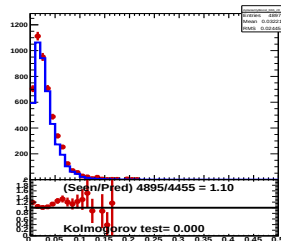
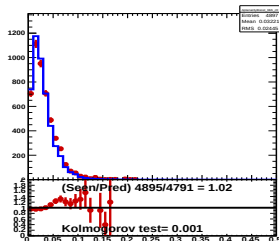
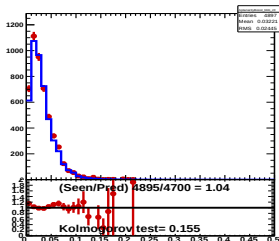


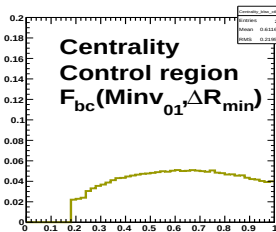
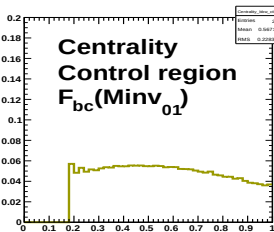
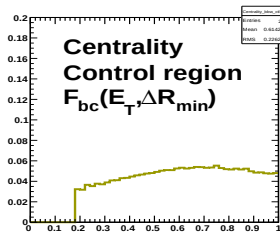
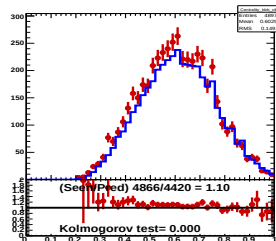
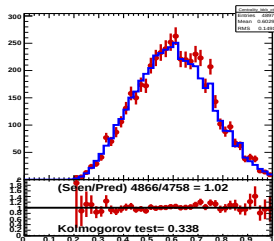
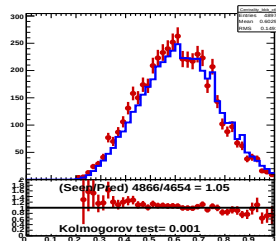


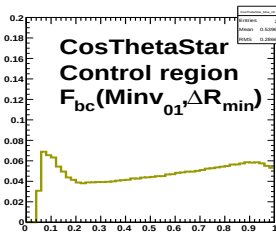
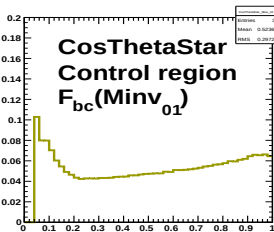
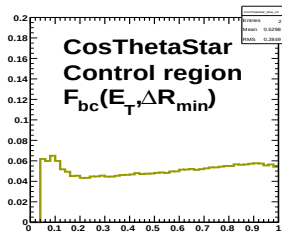
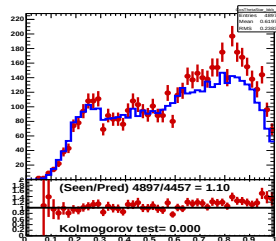
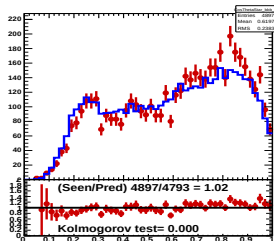
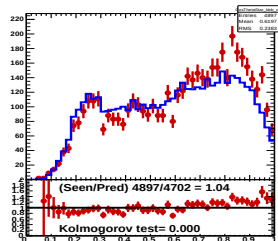


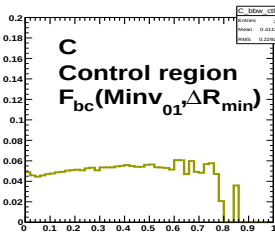
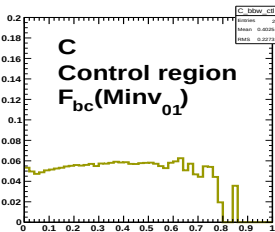
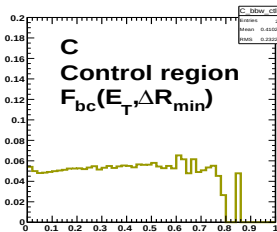
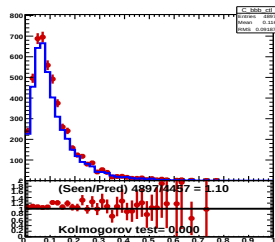
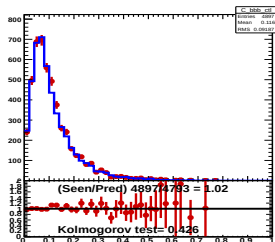
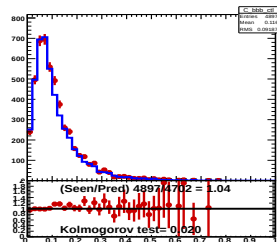


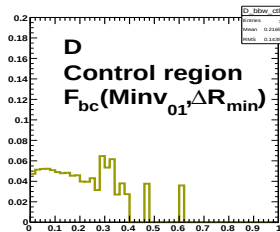
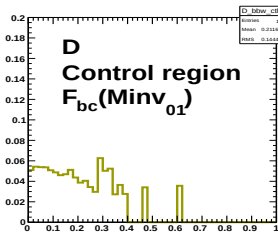
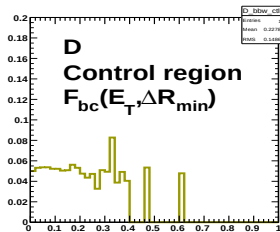
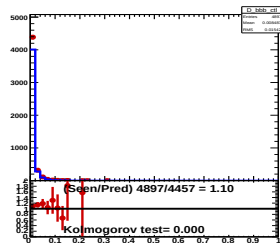
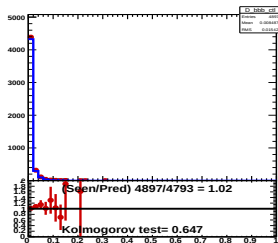
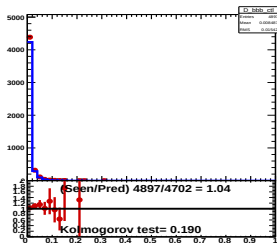


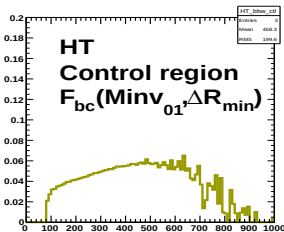
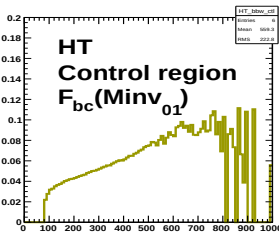
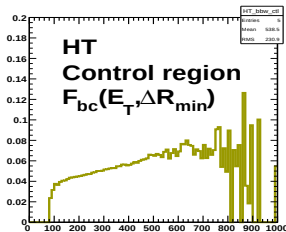
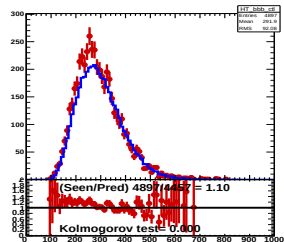
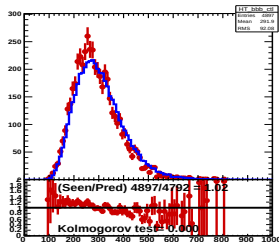
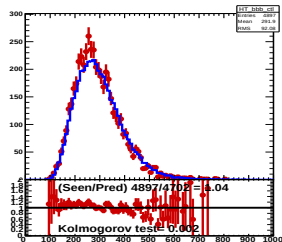


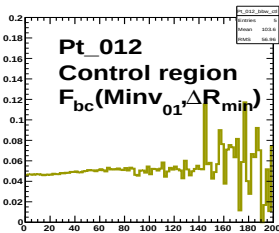
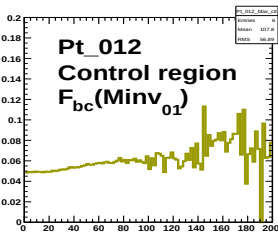
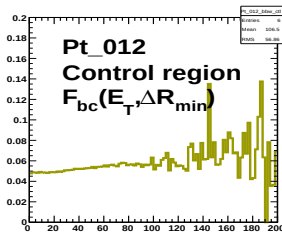
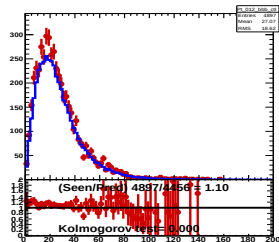
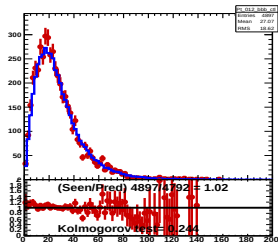
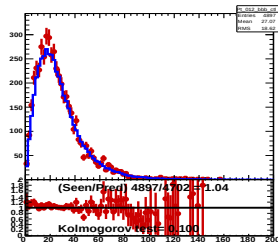


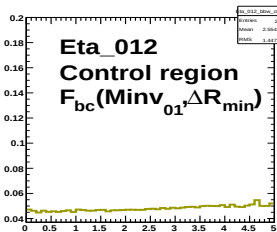
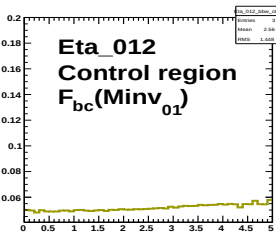
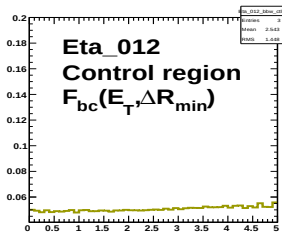
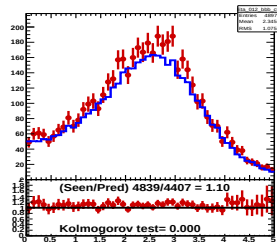
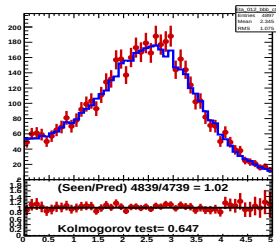
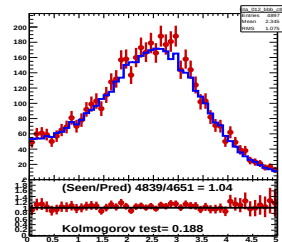


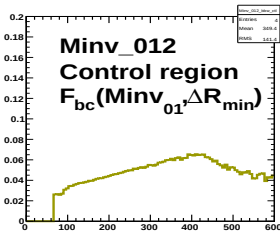
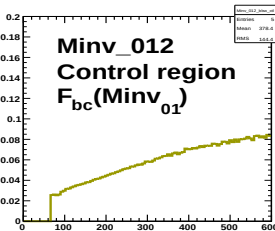
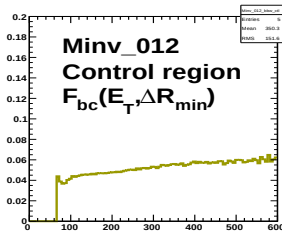
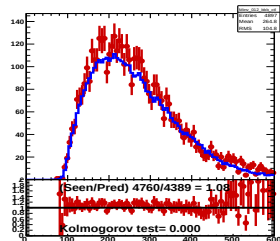
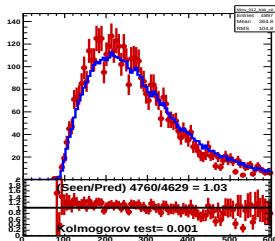
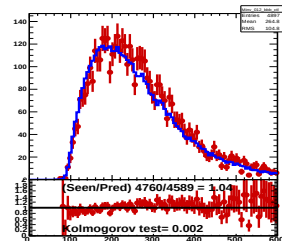


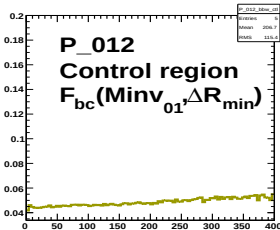
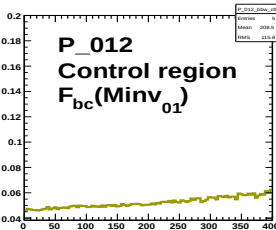
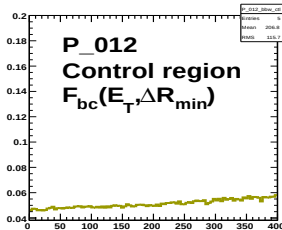
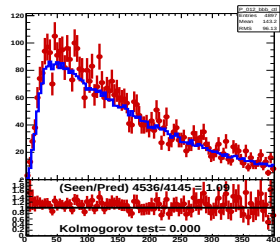
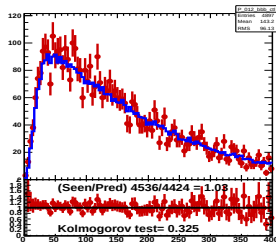
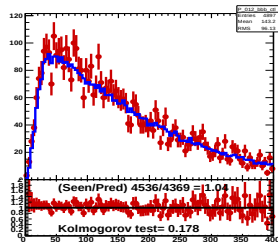


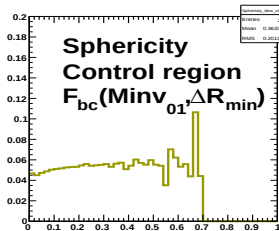
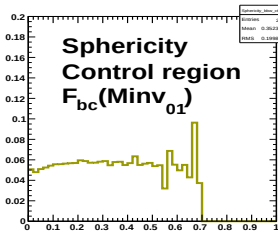
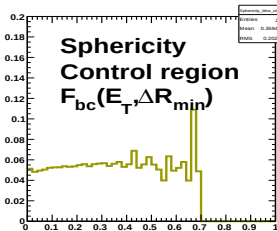
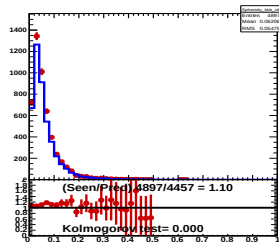
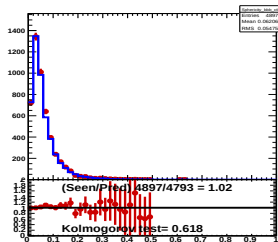
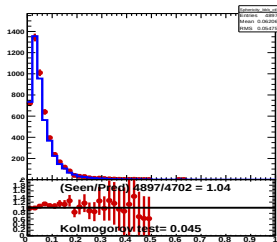


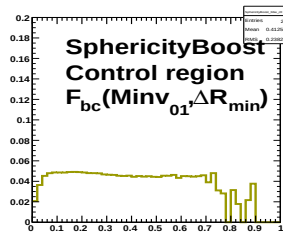
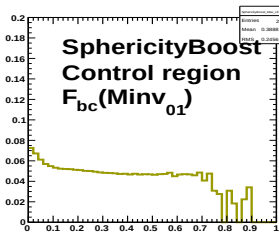
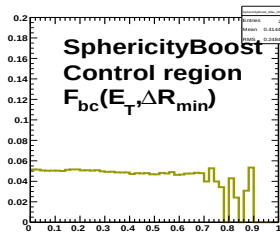
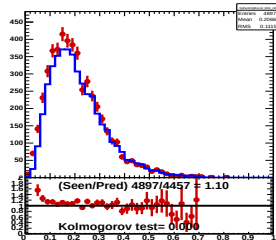
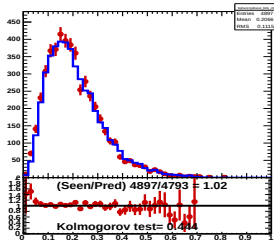
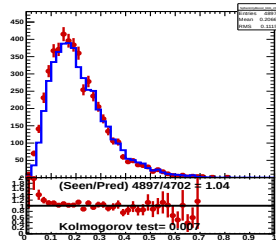


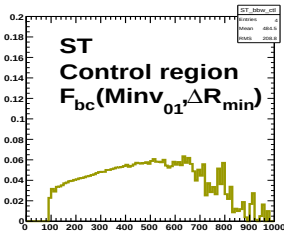
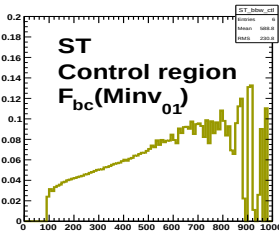
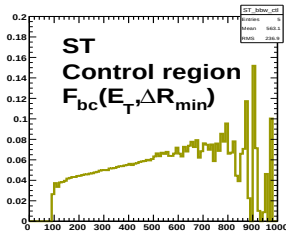
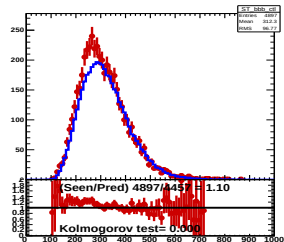
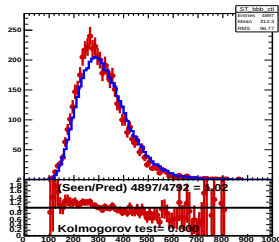
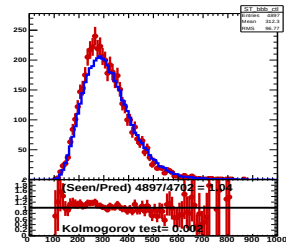














Idea

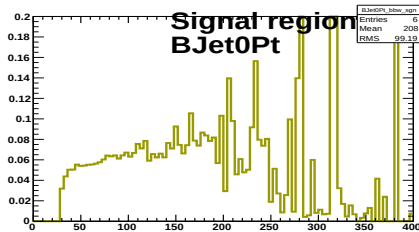
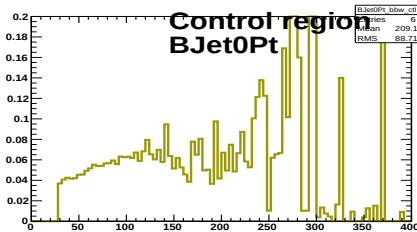
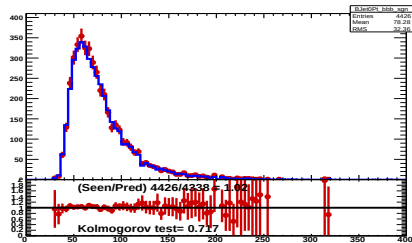
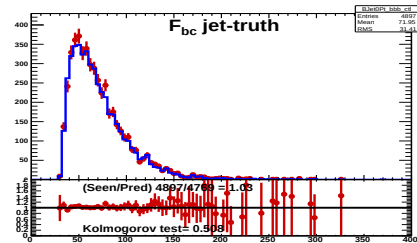


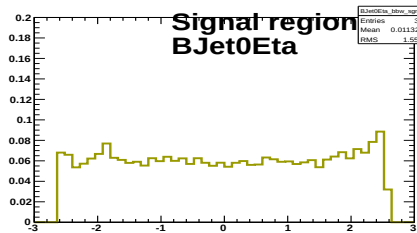
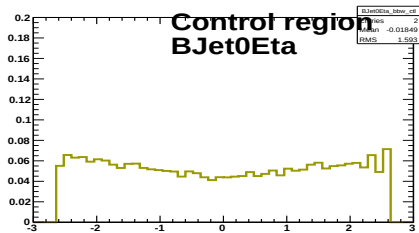
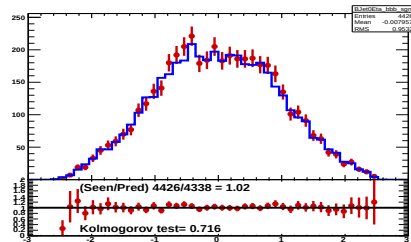
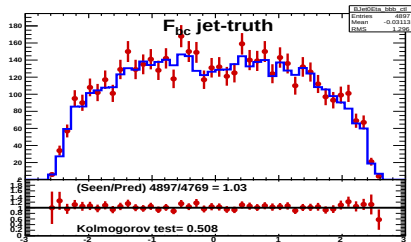
What is about

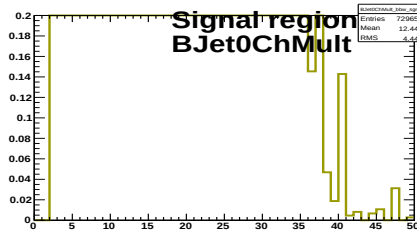
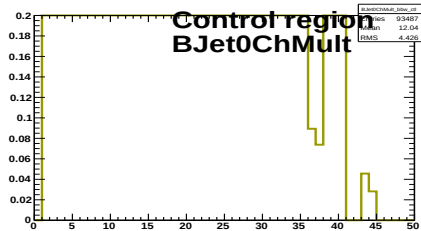
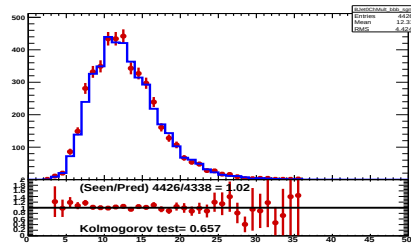
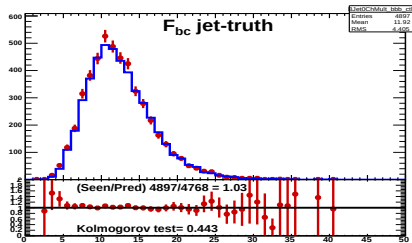
- Try to determine which variables should be used for parametrize $F_{b,c}$
- Look at prediction with jet per jet truth, namely using just efficiency;
- Look at third Jet Probability, namely the actual weight from *bbj* to *bbb*
- all predicted variable are very good, thus the weight is the correct one.
- Look for variables for which the probability is **not flat**, and is **similar** for control and signal region

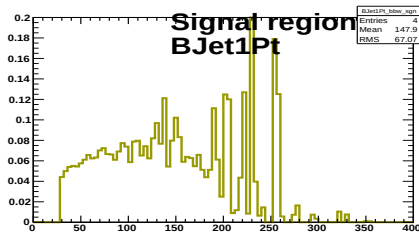
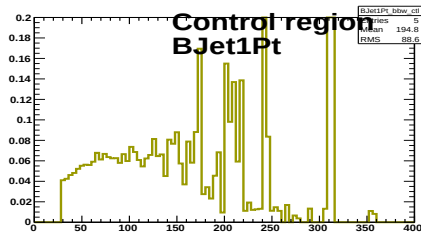
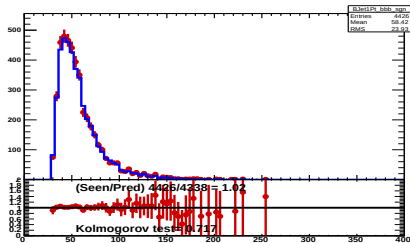
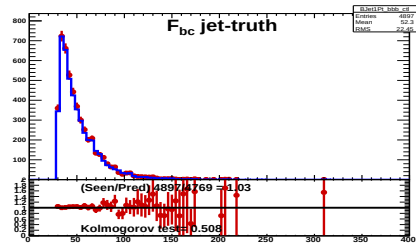
Non Flat so it makes sense to use that variables.

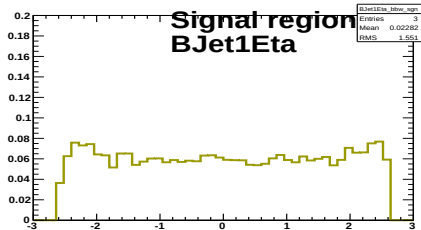
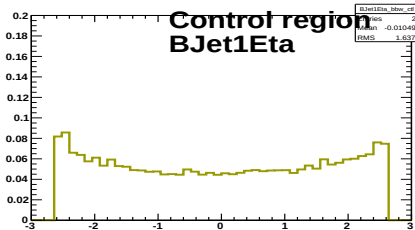
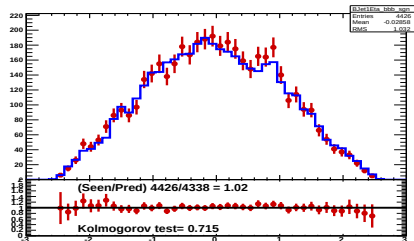
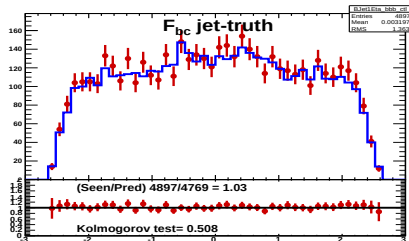
Similar so the systematics from transport control→signal region is low.





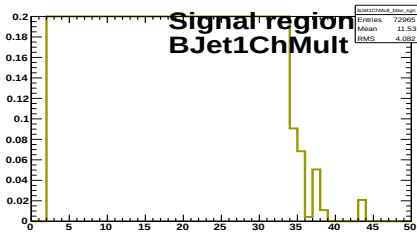
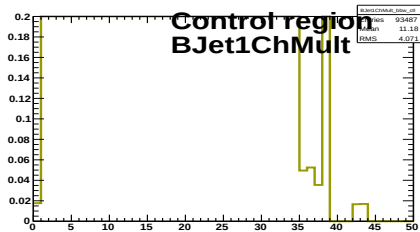
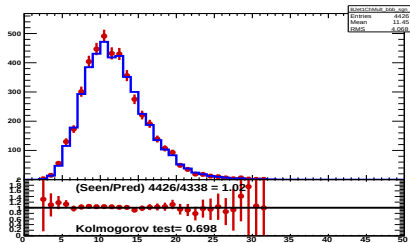
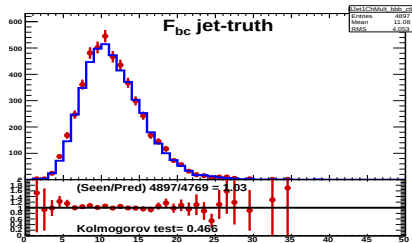






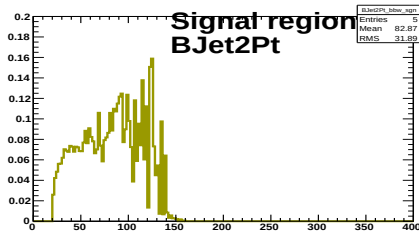
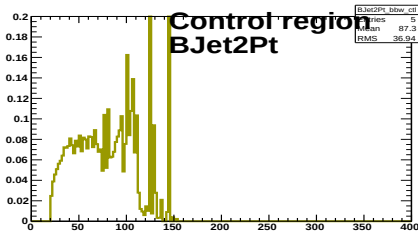
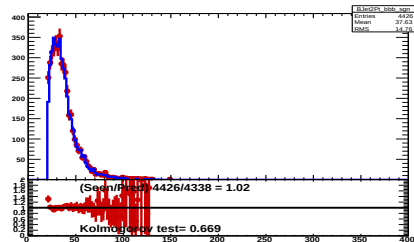
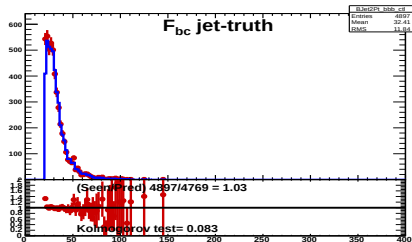
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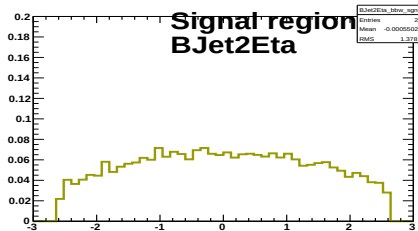
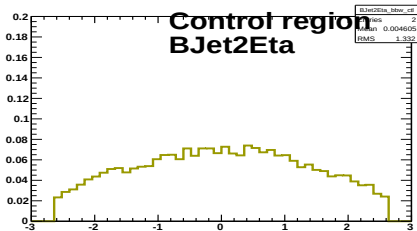
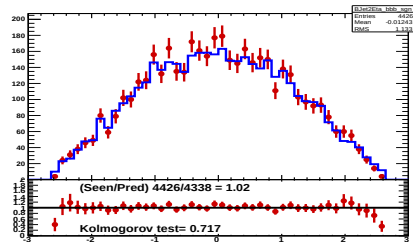
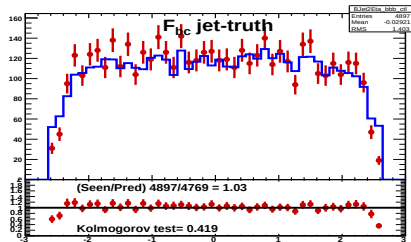
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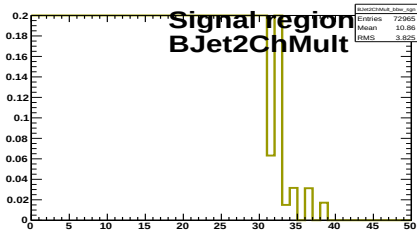
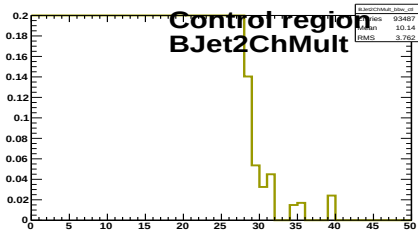
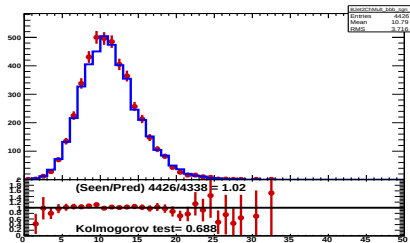
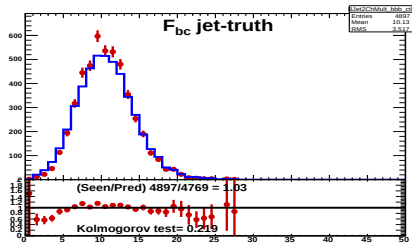
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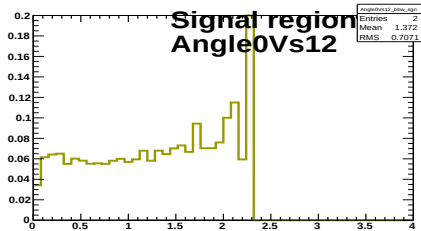
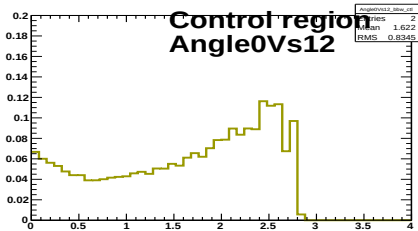
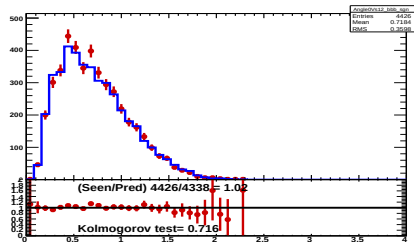
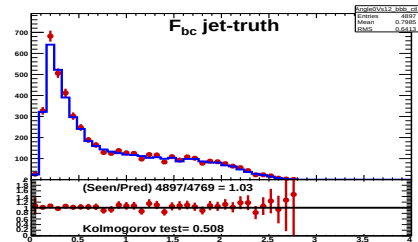


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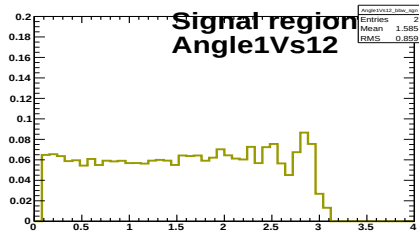
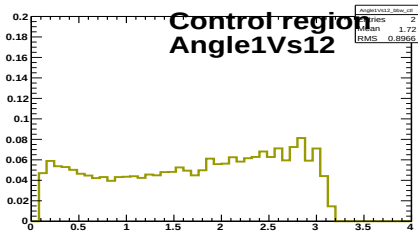
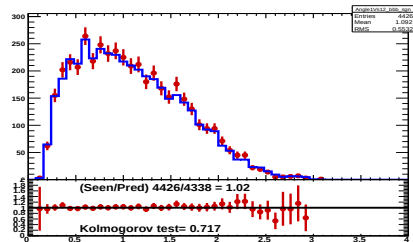
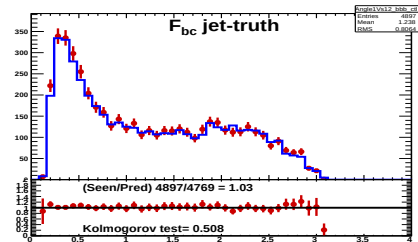






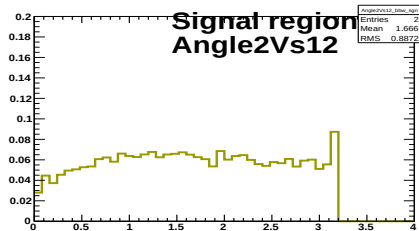
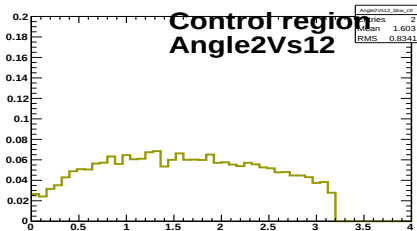
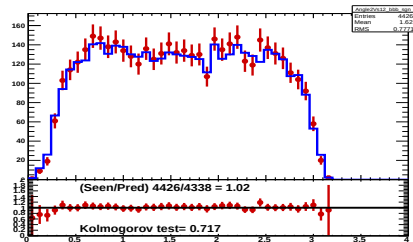
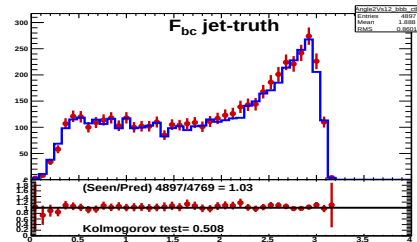
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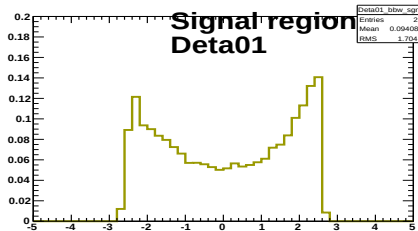
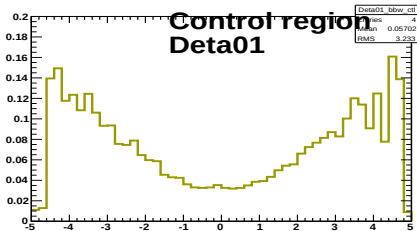
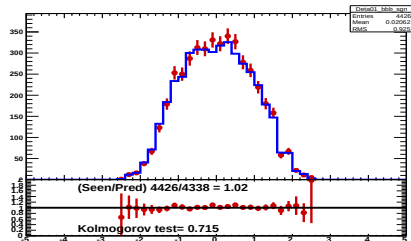
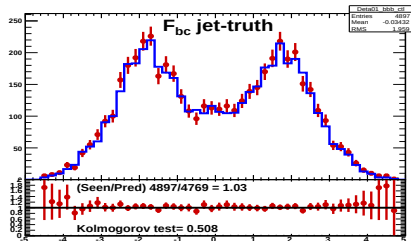
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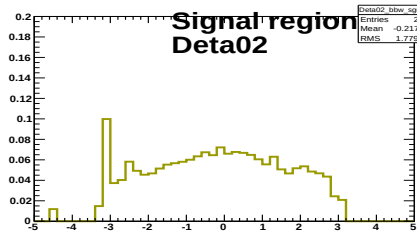
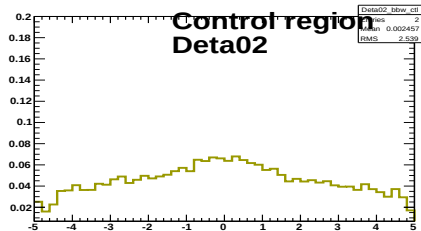
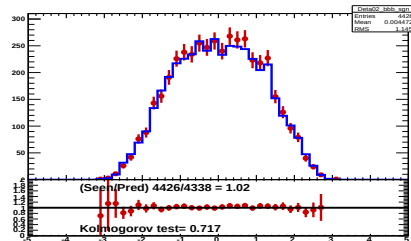
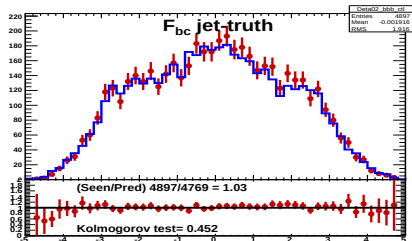


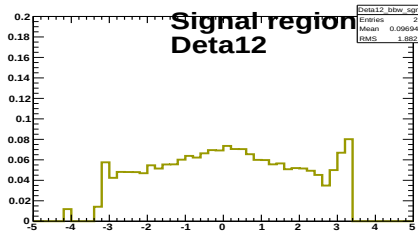
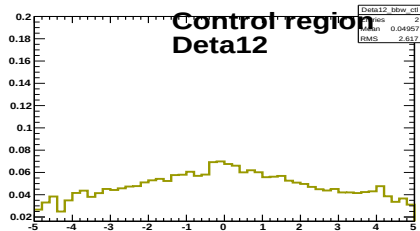
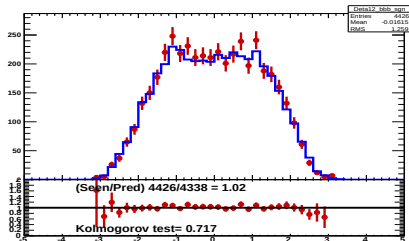
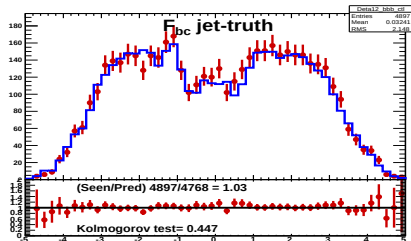
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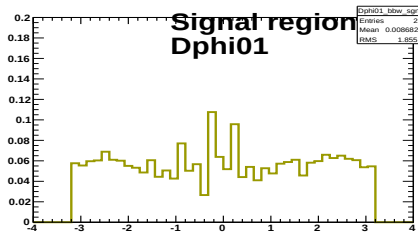
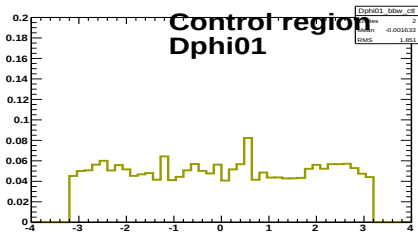
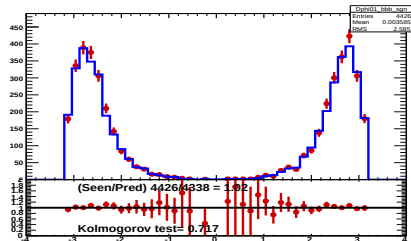
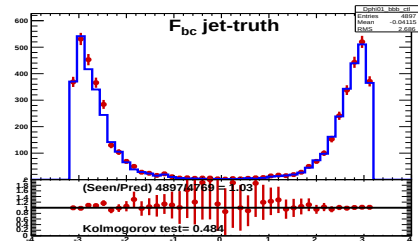
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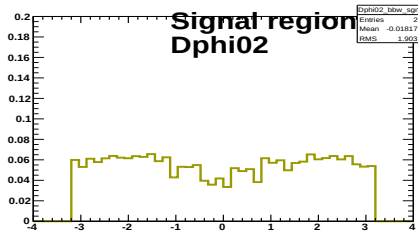
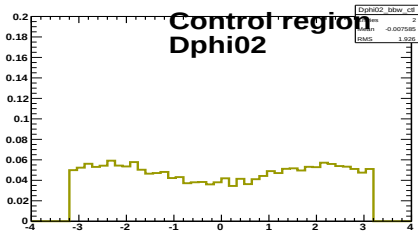
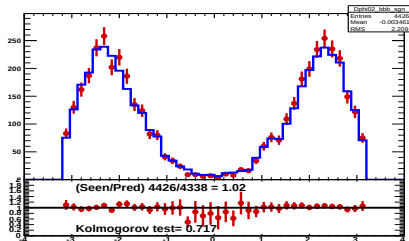
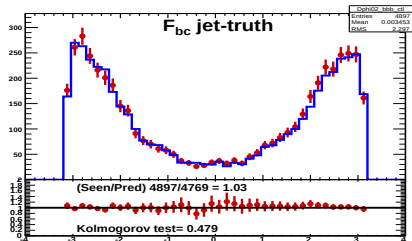






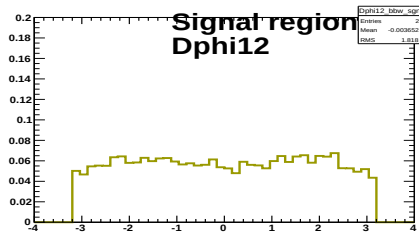
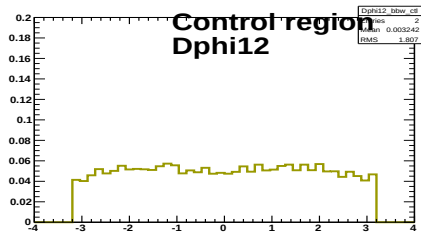
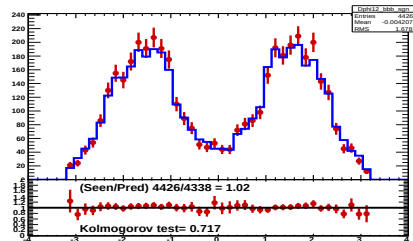
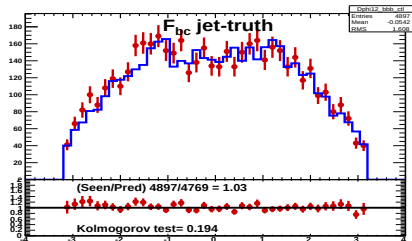






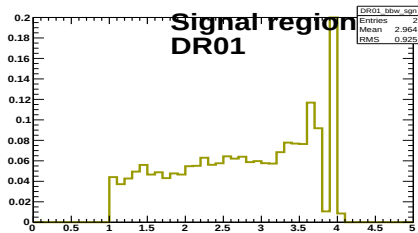
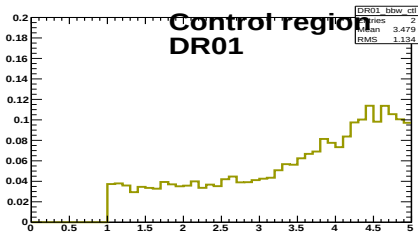
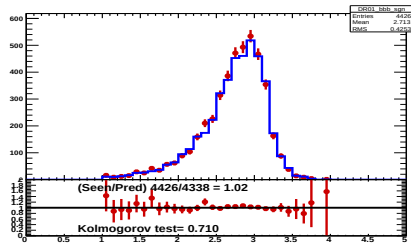
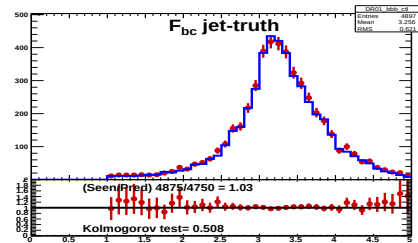
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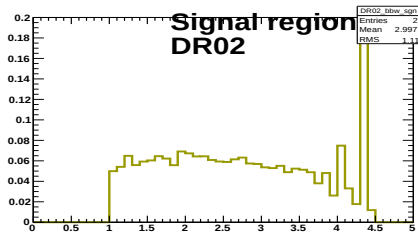
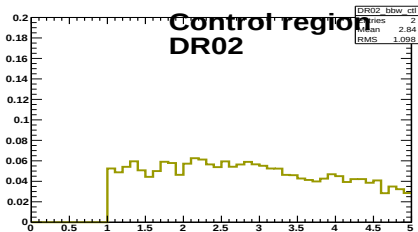
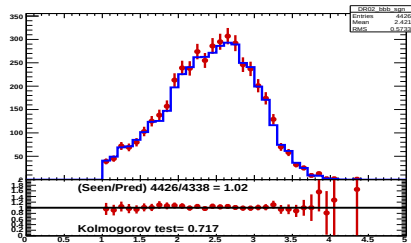
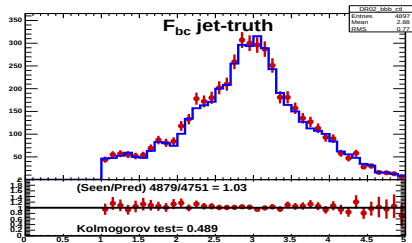
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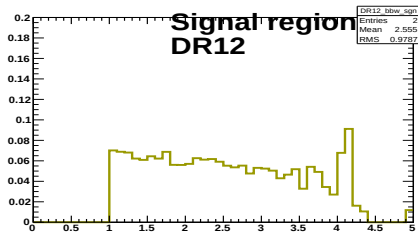
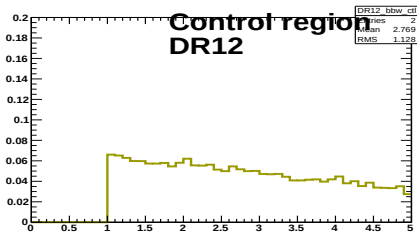
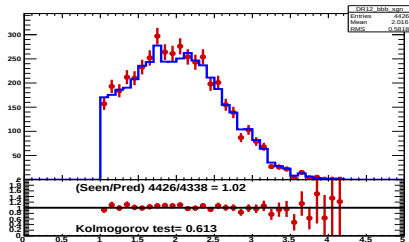
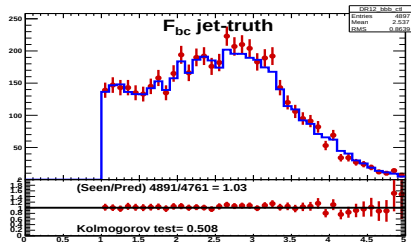
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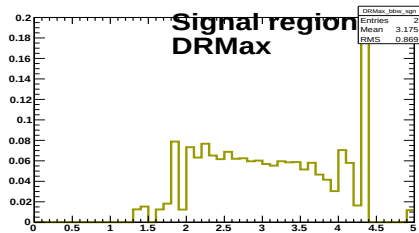
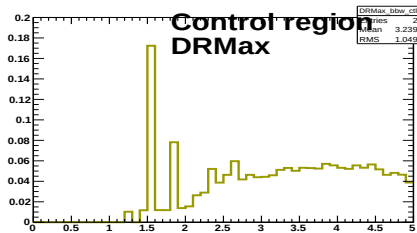
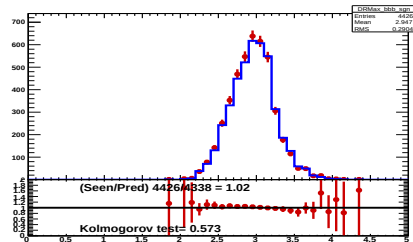
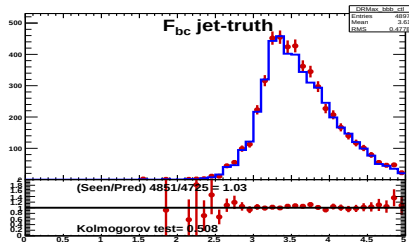




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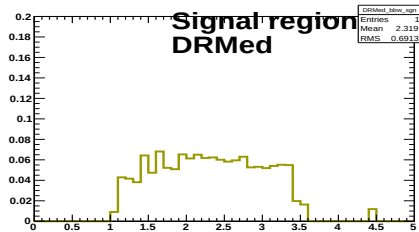
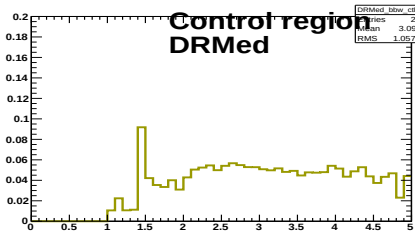
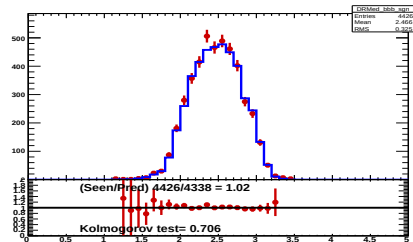
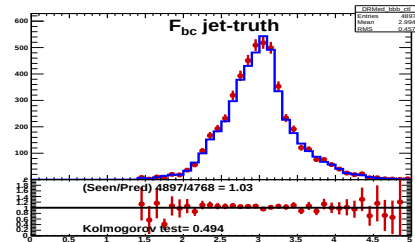
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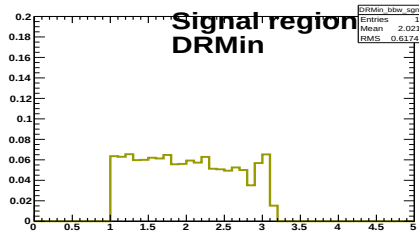
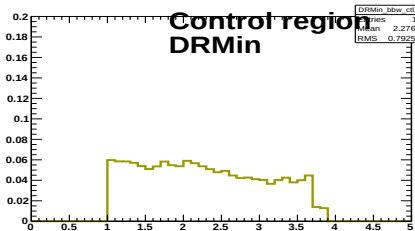
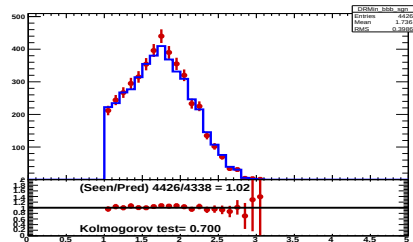
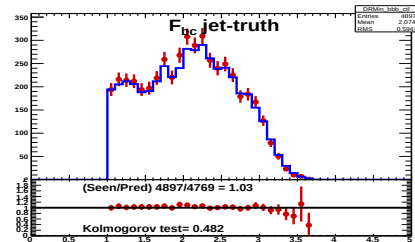




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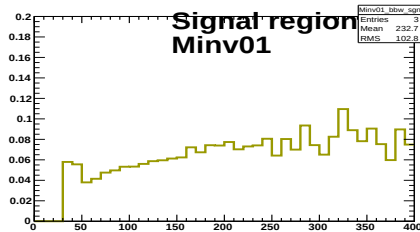
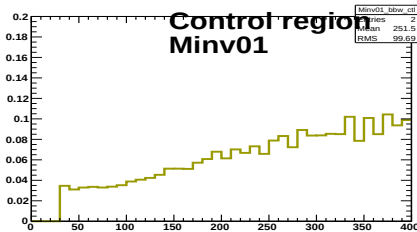
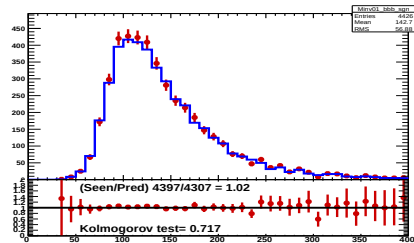
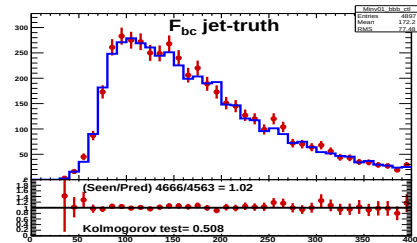
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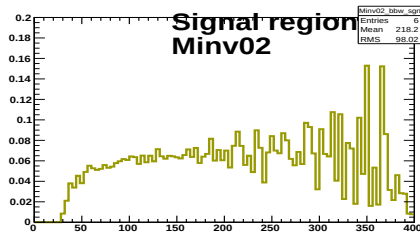
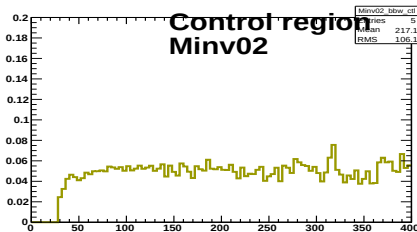
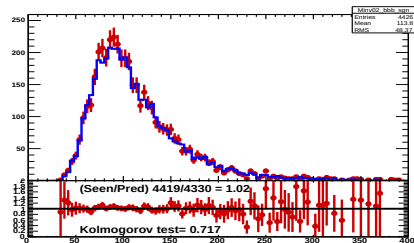
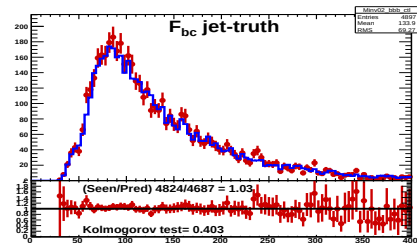


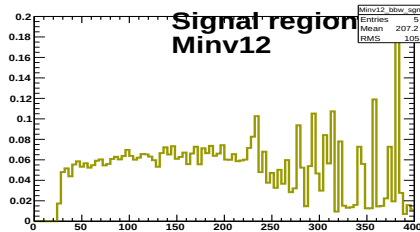
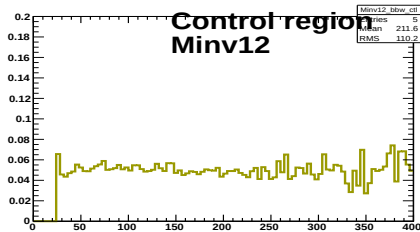
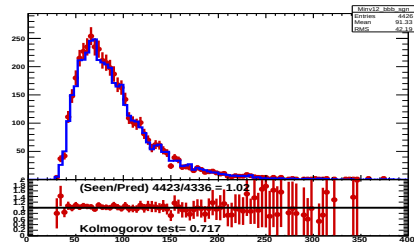
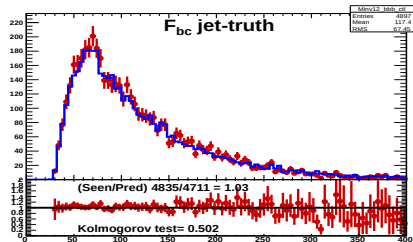


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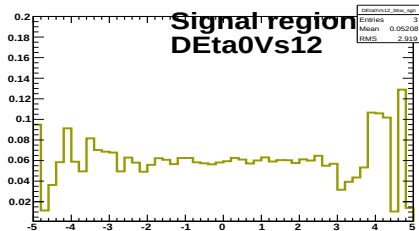
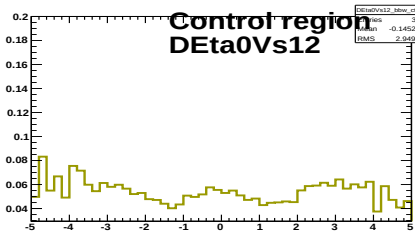
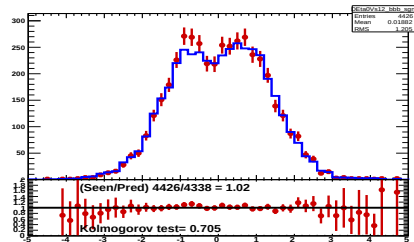
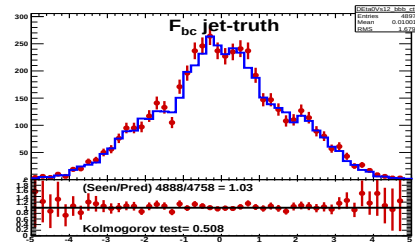


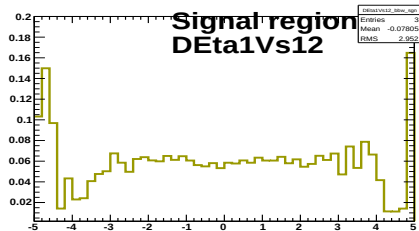
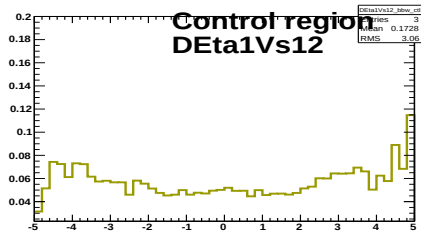
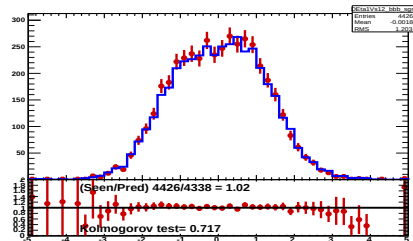
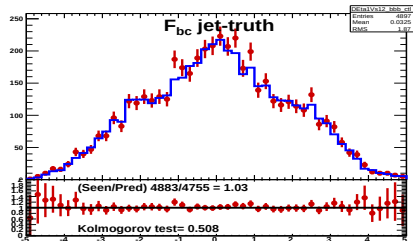




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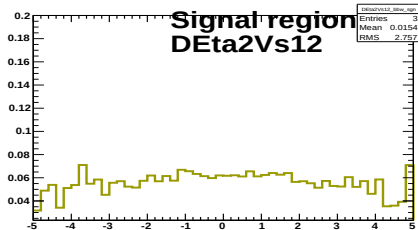
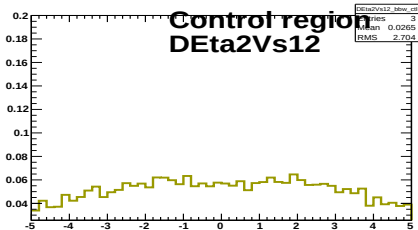
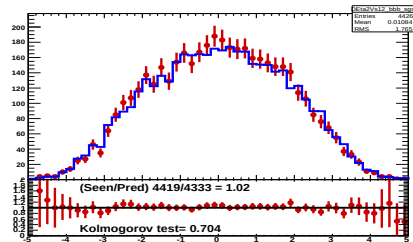
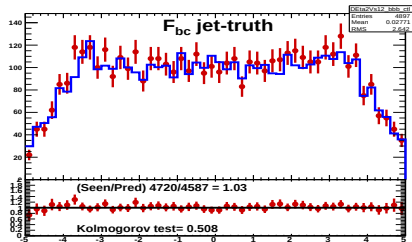
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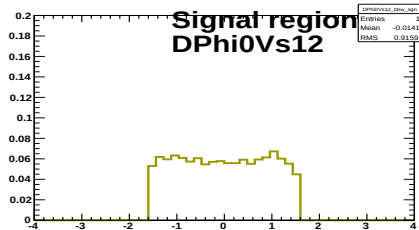
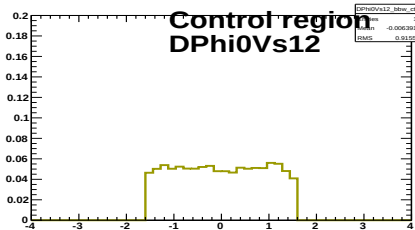
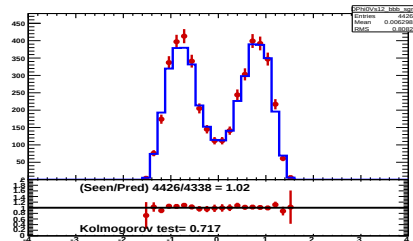
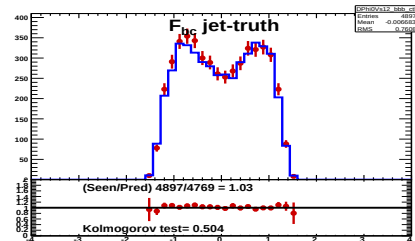
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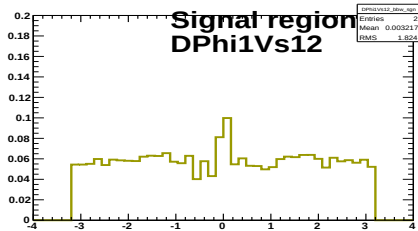
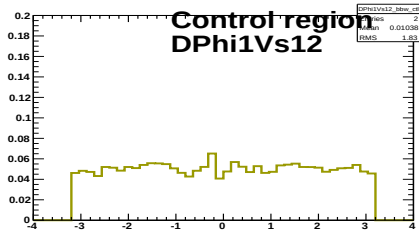
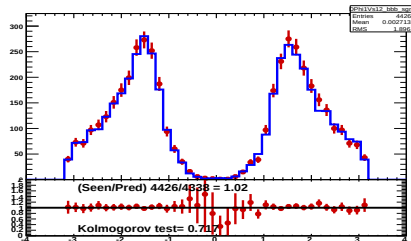
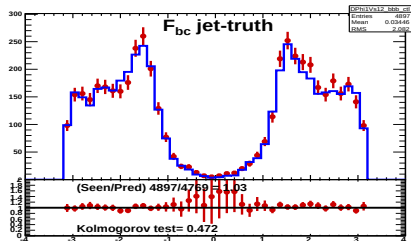
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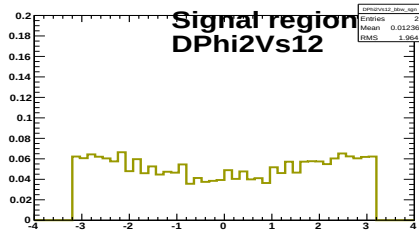
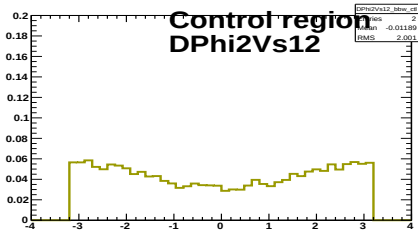
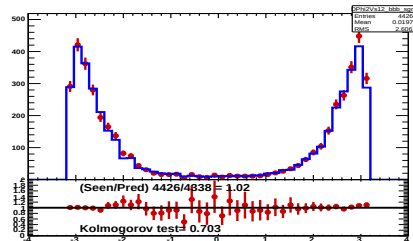
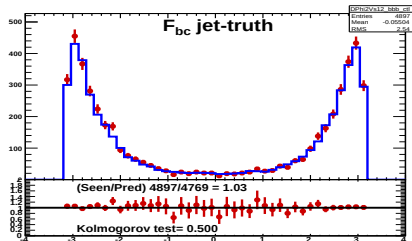
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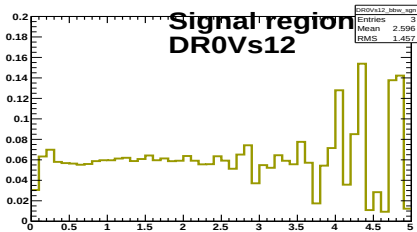
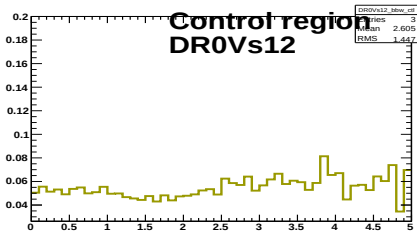
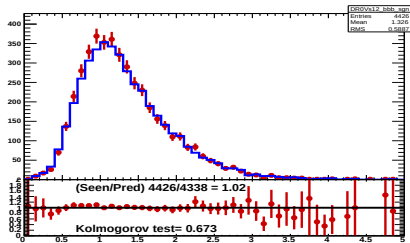
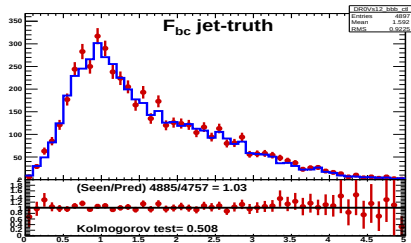
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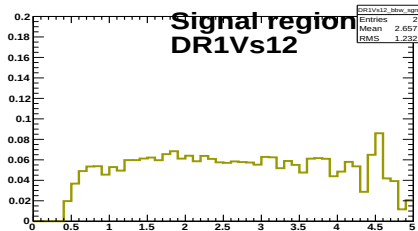
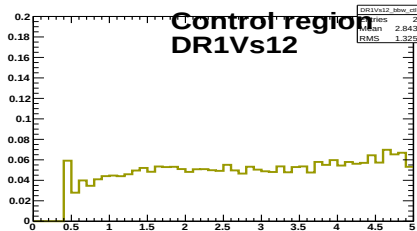
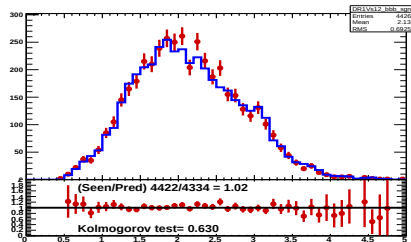
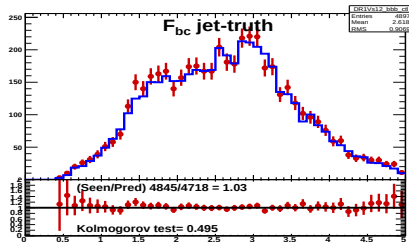
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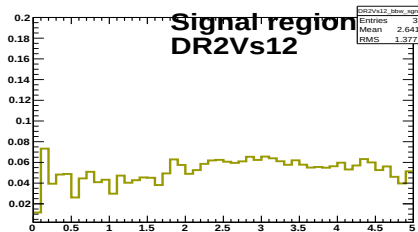
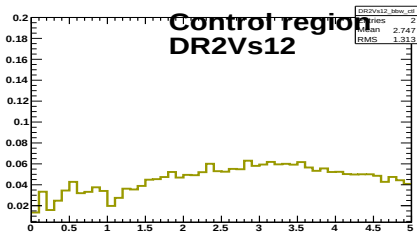
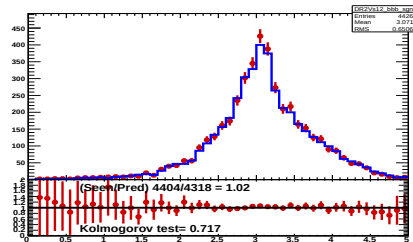
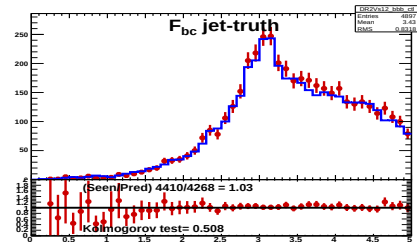
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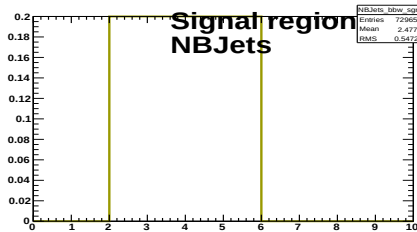
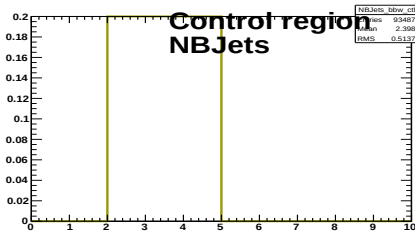
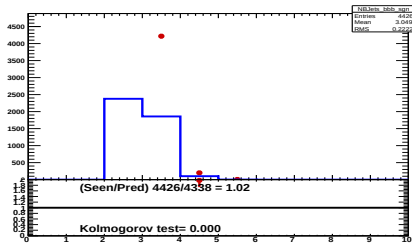
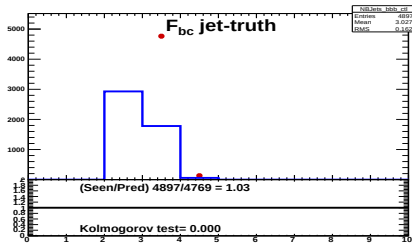




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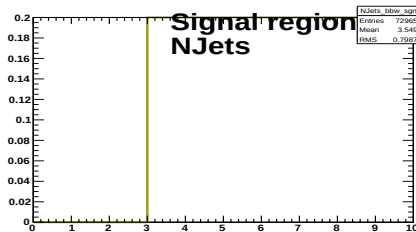
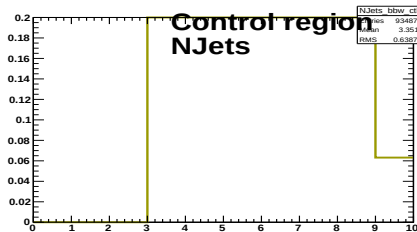
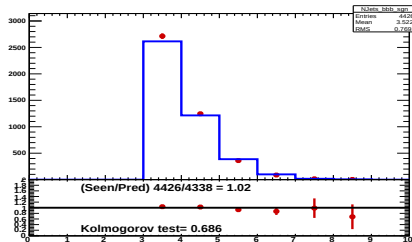
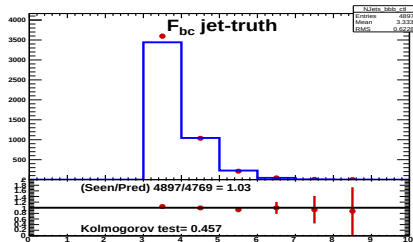
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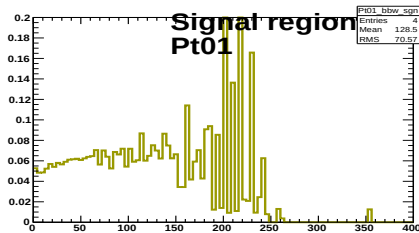
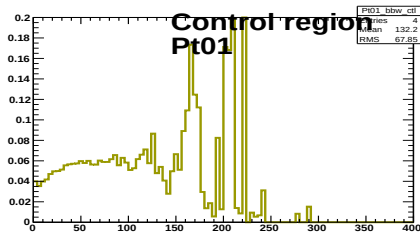
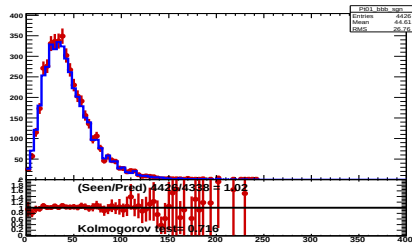
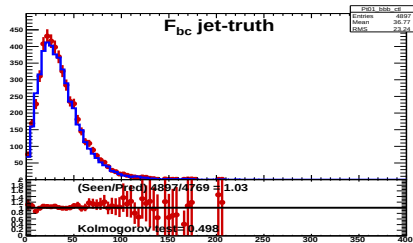


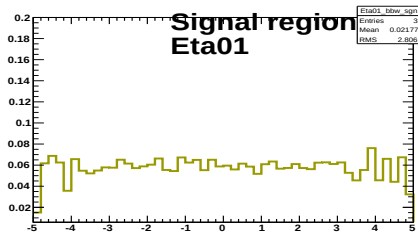
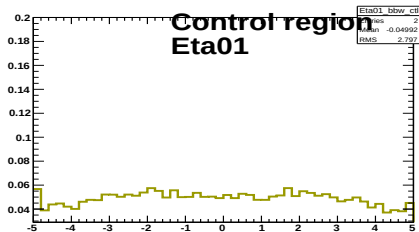
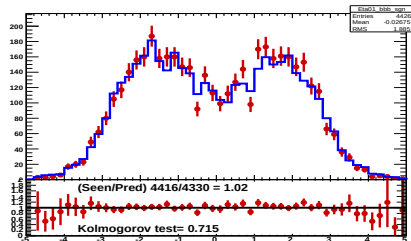
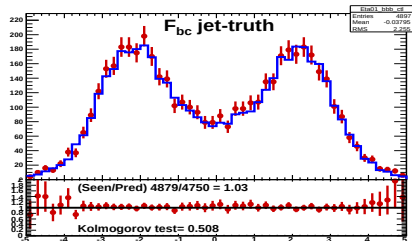


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