

Status report on $H \rightarrow b\bar{b}$ analysis on pure hadronic channel

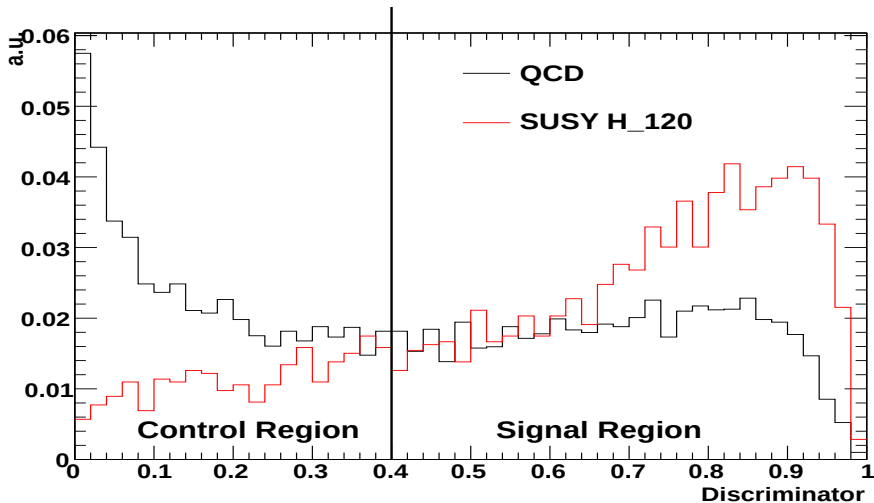
Stefano Lacaprara

INFN Padova

PD meeting,
PD, 10 January 2012

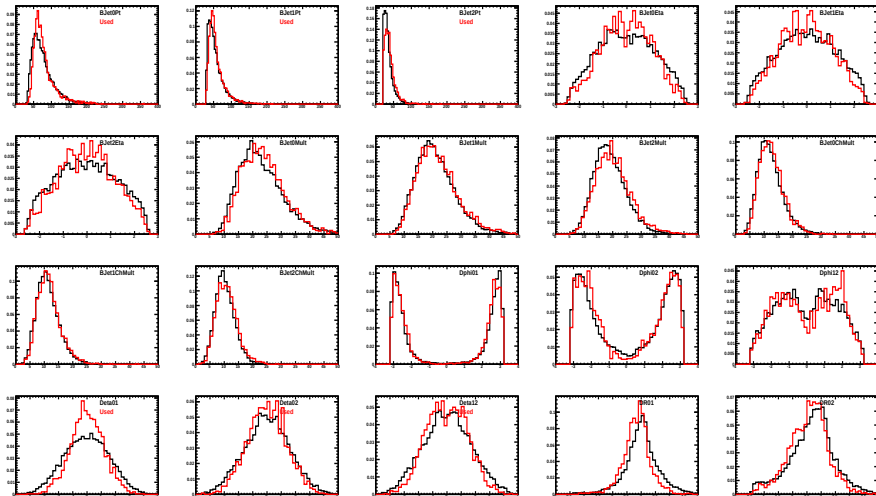


Discriminator for QCD vs **SUSY** $m_H = 120 \text{ GeV}$



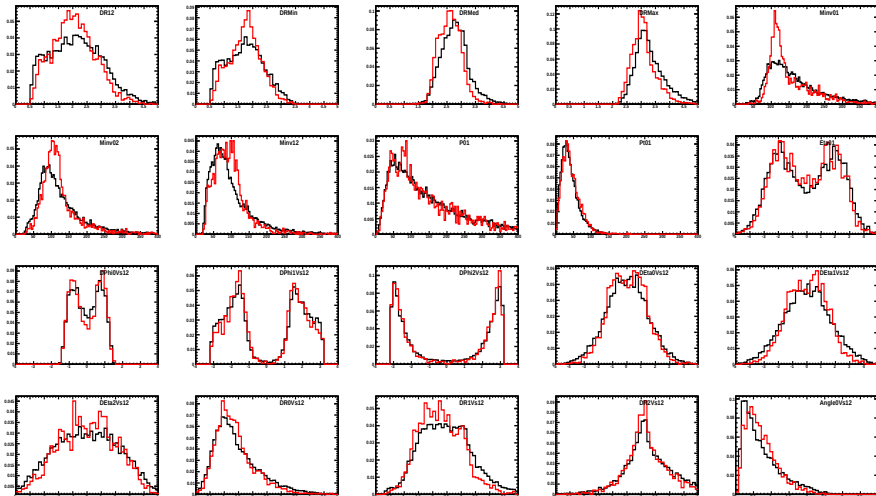


Discr. variables for QCD vs **SUSY** $m_H = 120 \text{ GeV}$



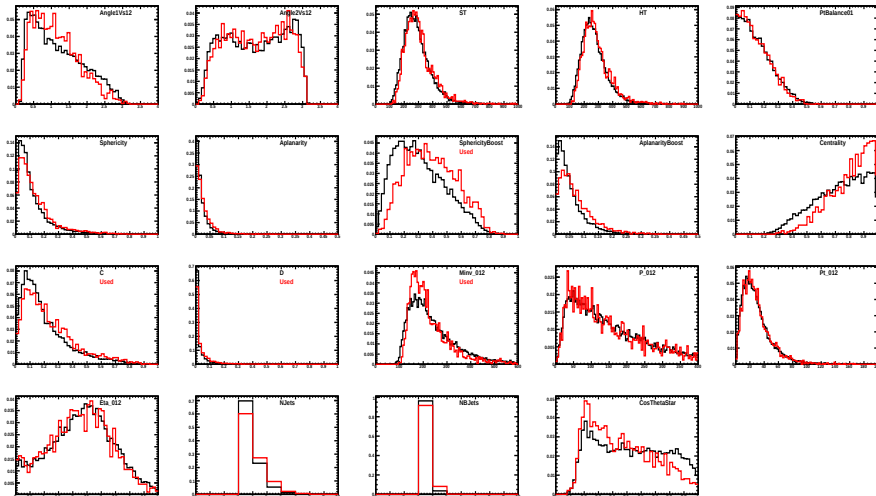


Discr. variables for QCD vs **SUSY** $m_H = 120$ GeV



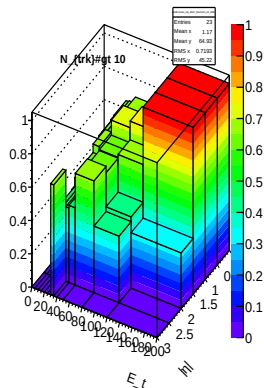
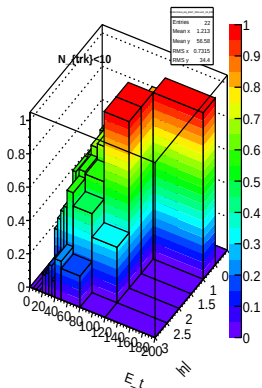
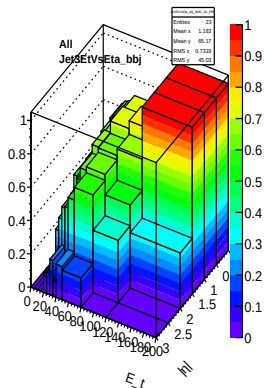


Discr. variables for QCD vs **SUSY** $m_H = 120$ GeV



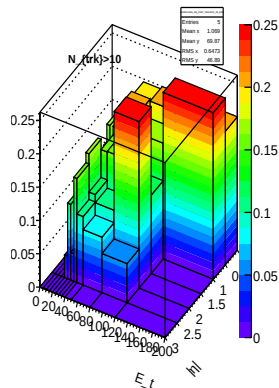
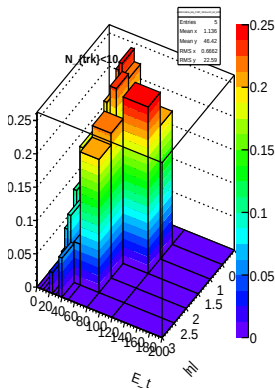
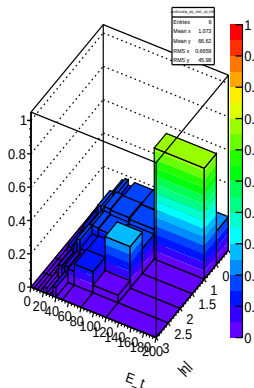


B-tag efficiency for b jets (from MC)



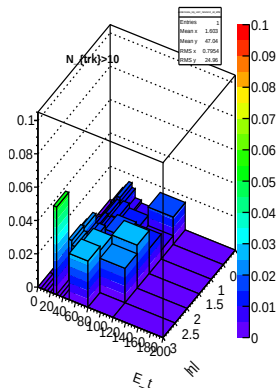
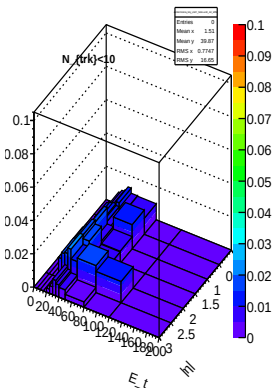
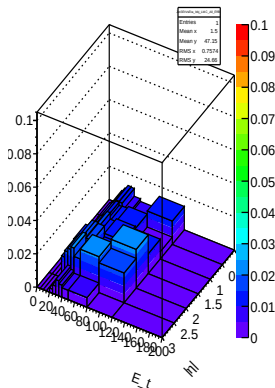


B-tag efficiency for c jets (from MC)



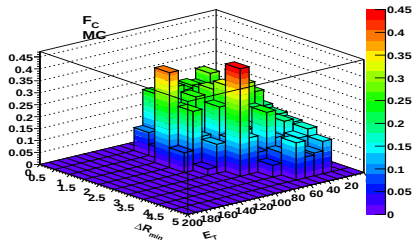
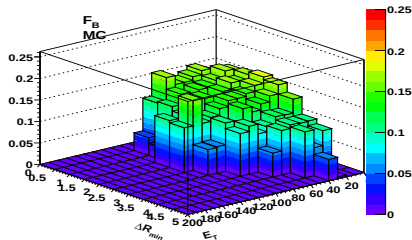
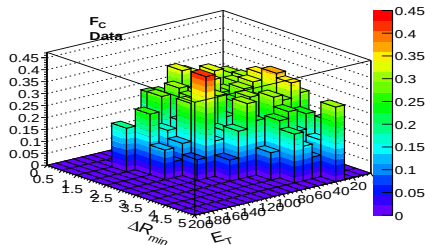
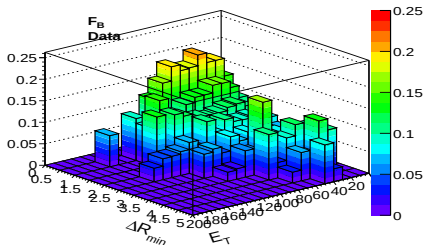


B-tag efficiency for $udsg$ jets (from MC)



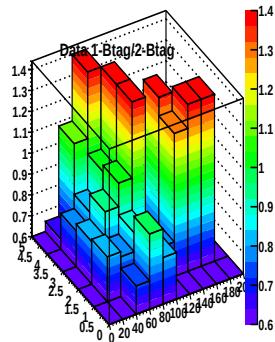
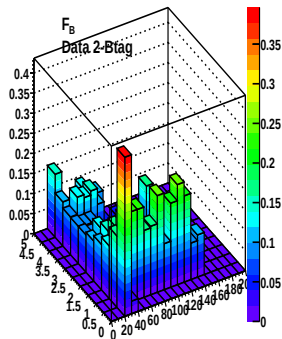
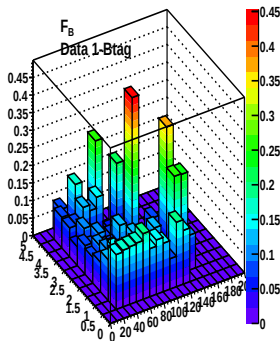


B and C fraction from Fit (Data and MC)



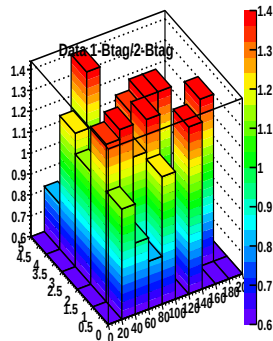
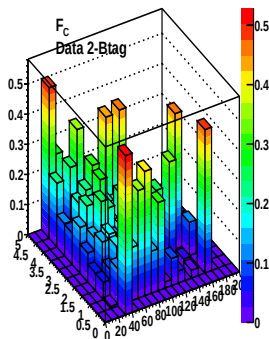
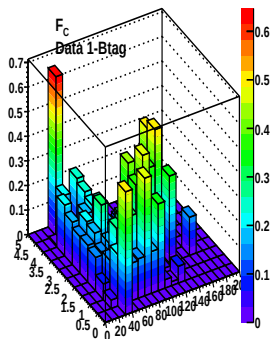


B fraction for 1-B and 2-B HLT (Data)





C fraction for 1-B and 2-B HLT (Data)





M_{jj} vs pred.: Data Control Region

using both F_b and F_c – only F_b – and F_b^{MC}

