

SW quality shift report

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developers meeting,
SpeakApp, 14 Dec 2017

- Issue with DB timeout end of last week
 - ▶ Lynn tried to block development tag, but it breaks test and build failed.
 - ▶ bottleneck is the current server, new scalable one will be installed (10-11/1/2018)
 - ▶ today: new connection problems.

Packages	
2 17	analysis »
0 1	arich »
0	background »
0 3	bklm »
0	build »
0	cdc »
0	decfiles »
0 4	ecl »
0	eklm »
0 3	reconstruction »
0	simulation »
0 14	svd »
0 5	top »
13 249	tracking »
0	validation »
1 1	vxd »

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Improvement in issues seen in Validation Plot

- analysis 2/17 → 2/15
 - ▶ fsp_efficiencies.py BII-2497 [closed]
 - ★ Thomas Keck reported to be a problem in the buildbot, lacking the b2bii env.
 - ▶ test6_CPVAnalysisTools.py DB connection
- bklm 0/3 → 0/0
- recostruction 0/3 → 0/2
- top 0/5 → 0/0
- tracking 13/249 → 13/230

- **Tracking: [BII-2950]**

WARNING a lot of: No payload found in condition DB global tag
GT_gen_prod_004.03_Master-20171106-202500

- `XX_trackingEfficiency_createData.py`, $XX \in [03, 12]$

ERROR BGOOverlayExecutor: no BGOOverlayInput module in the path

- `ckfValidationBkg.py`

ERROR The required array 'SVDClusters/PXDClusters' does not exist modules:
TFCDC_ClusterPreparer SVDOverlapResolver PXDSpacePointCreator

- `fullTrackingTableValidationCreateData.py`

- `vxdCdcMergerValidationGenerateSample.py`

ERROR The required array 'VXDRecoTracks' does not exist module: MRecoTracksMatcher

- **Vxd: [BII-2951]**

- `ClusterEfficiency.py`

ERROR The required array 'SVDDigits' does not exist module: SVDClusterizer

- Continued the work started by Jake (previous shifter) to reduce warnings;
 - ▶ concentrate on those related to `StoreArray/StoreObjPtr` deprecated methods;
- Sent pull request for:
 - ▶ `beast` BII-2936
 - ▶ `calibration` BII-2868 (by Jake - Approved)
 - ▶ `hlt` BII-2938 (merged)
 - ▶ `pxd` BII-2939 (merged)
 - ▶ `rawdata` BII-2941 (approved)
 - ▶ `svd` BII-2942 (approved)
 - ▶ `trg` BII-2943 (merged)
 - ▶ last missing `tracker` (a lot of warning, seems all of the remaining ones), `display` (and testbeam)
- total warning should drop significantly when all pull request will be approved and merged.
- next most common warning is “variable shadowing previous declaration”

Nothing more to report: `mDST` size, execution time, memory footprint stable