

# SW quality shift report

Stefano Lacaprara

`stefano.lacaprara@pd.infn.it`

INFN Padova

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

Packages	
2 15	analysis »
0 1	arich »
0 0	background »
0 0	bklm »
0 0	build »
0 0	cdc »
0 0	decfiles »
0 4	ecl »
0 0	eklm »
0 2	reconstruction »
0 0	simulation »
0 14	svd »
0 0	top »
13 238	tracking »
0 0	validation »
1 1	vxd »

## 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: MCRecoTracksMatcher

- **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