



Trigger Software Validation

Outline:

- Code status
- Status of nightly tests
- New problems
- Report from validation meeting
- Progress and Plans

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TAPM Open Meeting – May 29, 2007

Code status

- More details in Hypernews:
hn-atlas-triggerReleaseValidation@cern.ch
- Many problems solved recently
 - Thanks everyone for fast response
- Main outstanding problems
 - Seg.violation in TrkVtxBilloirTools (Savannah #26729)
 - A fix for this may have been found today
 - Crash in monitoring in TrigEFTrackHypo (Savannah #26730)
 - A tag may be already in to fix this?

ATN tests

- The code has been converging, but still a few changes lately (compare rel_6, rel_0, rel_1)

| | |
|-----------------------------|---|
| ElectronSliceAthenaRDOtoESD | seg. viol. in TrkVertexBilloirTools |
| PhotonSliceAthenaRDOtoESD | seg. viol. in TrigEgammaRec |
| MuonSliceAthenaRDOtoESD | ERRORs and RegTest diffs |
| TauSliceAthenaRDOtoESD | seg. viol. in TrkVertexBilloirTools |
| JetSliceAthenaRDOtoESD | ERRORs and REGTEST diffs |
| METSliceAthenaRDOtoESD | ERRORs and REGTEST diffs |
| BphysicsSliceAthenaRDOtoESD | seg. viol. in TrkVertexBilloir |
| BjetSliceAthenaRDOtoESD | seg. viol. in TrkVertexBilloir |
| WriteESDAIAlgsFalse | jobO ERROR in jobOfragment_forRecExCommon |

Report from validation meeting

- We had a meeting on Monday 21 to discuss status and plans for trigger validation
 - <http://indico.cern.ch/conferenceDisplay.py?confId=16493>
- Reviewed existing tools
 - Instructions on how to check ATN tests
 - Near-future plans
 - AID and DCube to display test results
- Input was asked from each slice to
 - Check results of nightly tests and follow up on problems found
 - Most urgent
 - Maintain and update reference files
 - Less urgent
 - Provide code to retrieve and plot EDM object quantities
 - Plan to develop common infrastructure for this centrally

Checking results from ATN tests

- ATN test results are posted in wiki every day
 - <https://twiki.cern.ch/twiki/bin/view/Atlas/TriggerValidationCheckListRel4Val>
 - <https://twiki.cern.ch/twiki/bin/view/Atlas/TriggerValidationCheckListRel4Bugfix>
 - etc...

• Should be filled **by each slice**

• Slice reps. please start doing it **asap**.

• Otherwise one person (Olya and John mostly) ends up spending 2-4 hours every day!

• ... And becoming grumpy and sending angry emails...

13 Mar 07

The screenshot shows a web browser window displaying a TWiki page titled 'TriggerValidationCheckListRel0Val'. The page content includes a navigation menu, a search bar, and a table of test results. The table has columns for 'Slice/domain', 'ATN test', 'OK/?/BAD', 'Obs.', and 'Verified'. The results show several 'BAD' entries for different slices, with detailed observations and the name 'Simon' in the 'Verified' column.

| Slice/domain | ATN test | OK/?/BAD | Obs. | Verified |
|--------------|--------------------------------|----------|---|----------|
| electron | 151ElectronSliceAthenaRDO | BAD | crash in TrigVxPrimary_Electron_EFID (bug #26729); LArCellBuilderDriver errors | Simon |
| | 161ElectronSliceAthenaRDOtoESD | | | |
| photon | 152PhotonSliceAthenaRDO | BAD | same as 151ElectronSliceAthenaRDO | Simon |
| | 162PhotonSliceAthenaRDOtoESD | | | |
| muon | 153MuonSliceAthenaRDO | BAD | crash in MuidCaloMeas::energyMeasurement (double, double, double) called from MooHLTAIgo_SA_Muon (bug #26668) | Simon |
| | 163MuonSliceAthenaRDOtoESD | | | |
| tau | 154TauSliceAthenaRDO | BAD | same as 151ElectronSliceAthenaRDO | Simon |

TAPM Open Meeting

Conclusions

- Ready for 13.0.10?
- If outstanding problems are fixed today we're not in a bad shape
- It would be good to have an extra day to see the test results
- AOB:
 - please send any comments on loosing ability to read rel.11 RDOs

Savannah bugs

Atlas Trigger TAPM - Bugs: Browse Items [LCG Savannah] - Windows Internet Explorer

https://savannah.cern.ch/bugs/?group=atlas-trig

Web assistant

Logged in as jgoncalo

My Incoming Items
My Items
My Groups
My Account Conf
Logout

This Page
Clean Reload
Printer Version

Search
in Projects Search

Hosted Projects
Register New Project
Full List
Contributors Wanted
Statistics

Site Help
User Docs:
Cookbook
User Docs: In Depth
Guide

Atlas Trigger TAPM - Bugs: Browse Items

Group Main Homepage Docs Bugs

(+) Display Criteria

25 matching items - Items 1 to 25

| Item ID | Summary |
|---------|--|
| #26730 | TrigETrackHypo::htExecute - crash in monitoring |
| #26688 | [13.x.y]: TrigConfigSvc: still some use of GaudiSvc |
| #26671 | all recent nightlies CBNT_AodTrigger WARNING |
| #26668 | crash in MuidCaloMeas energyMeasurement |
| #26574 | CSC_Hid2RESrcID::getRodID(uint16_t, uint16_t): Assertion 'm_cabling->is_rodld(rodld)' failed |
| #26544 | ERROR message for CaloClusterContainer when persistency is enabled |
| #26543 | StreamESD_TopFolder can't find LVL1 objects in clid db |
| #26542 | ERRORs from StreamESD_TopFolder for L2Result and EFResult |

Start Atlas Trigger TAPM - ... TAPM-Open29May Microsoft PowerPoint - [... 3 putty EN 06:25

- [#26730TrigEFTrackHypo::hltExecute - crash in monitoring](#)
- [#26688\[13.x.y\]: TrigConfigSvc: still some use of GaudiSvc](#)
- [#26671all recent nightlies CBNT_AodTrigger WARNING](#)
- [#26668crash in MuidCaloMeas energyMeasurement](#)
- [#26574CSC_Hid2RESrcID::getRodID\(uint16_t, uint16_t\): Assertion `m_cabling->is_rodId\(rodId\)' failed](#)
- [#26544ERROR message for CaloClusterContainer when persistency is enabled](#)
- [#26543StreamESD_TopFolder can't find LVL1 objects in clid db](#)
- [#26542ERRORs from StreamESD_TopFolder for L2Result and EFResult](#)
- [#26531include file TrigNtTau/jobOfragment_TrigNtTau.py can not be found](#)
- [#26528ERROR from TrigCaloCellMaker_jet.CaloCellContainerChecker](#)
- [#26517Unreproducible behaviour of TrigAmbiguitySolver](#)
- [#26265Bad link options in TrigMoore](#)
- [#25929TrigT2Jet has energy=NaN in CSC 12.0.6 AOD](#)
- [#24413trig1_misal1_mc12.017500.PythiaB_bbmu6X.recon.v12000601_tid005990.00370.job_ZNSt24_default_alloc_template1Lb1ELi0EE8](#)
- [#2424112.0.6.1 reco task 5991 failures: ExitCode=26 from TrigBphysHypo](#)
- [#23967trig1_misal1_csc11.005403.SU3_jimmy_susy.recon.v12000502_tid005515.00374.job_LVL1::TriggerTowerMaker](#)
- [#23449T2CaloTau RoiDescriptor phi out of range -](#)
- [#23402error using CSC-05-900Gev with 12.0.5](#)
- [#2279712.0.4.2, 12.0.6 Trigmufast/PtLUTSvc ERROR lookup\(30, 8\) Invalid indices](#)
- [#22443Persistency related warnings in 12.0.4?](#)
- [#20761RegSelSvc already declared](#)
- [#19289crash in Trk::TrackStateOnSurface::~~TrackStateOnSurface\(\)](#)
- [#19264mem leaks](#)
- [#16456muFast.TestString](#)
- [#16428muFast in multithreaded mode](#)