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Welcome to LaurasWiki Page

This page has some results of Level 2 Trigger ID tracking studies for cosmics at ATLAS, as well as some useful recipes and hints for running the CosmicSlice.

Cosmic trigger work

Trt standalone tracking algorithms for cosmics: Some preliminar results presented in ID Trigger Meeting Tuesday 24th: TrtxK and TrigSegFinder studies on cosmics [↗](#)

CosmicTrtHypo Recently added a new hypothesis algorithm to TrigL2CosmicMuonHypo package. It cuts on the number of StrawHits of segments found by SegFinder. This algorithm includes monitoring histograms of number of tracks in the event, number of Straw and TR hits on tracks, and histograms for the track parameters.

M4

Here is my talk at ID Trigger Mtg (Sep 12) ID trigger studies with M4 data [↗](#) and TAPM Open Meeting (Sep 18) LVL2 TRT studies with M4 data [↗](#)

Running the

Setup release 13.0.20 [HowTo](#)

To run in release 13.0.25 [HowTo2](#)

To run on sim in RecExCommission (13.0.25) [HowToSim](#)

Running on ESDs

Follow this [HowToESDs](#)

Validation work

Go to [Validation_Scratchpad](#)

2006 Trigger Studies

First studies on real data and mc:

- My talk at Pesa Algorithms Mtg. (Tue 12 Sept): LVL2 ID Studies using SR1 Cosmic Data and MC [↗](#)
- SiTrack and Offline TOP Sector Efficiencies (MC): [moreIDStudies](#)
- Matching study wrt Offline for real data: [MatchingStudyOnData.pdf](#): Top and Btm Sector Efficiencies when 4/3 SCT layers are crossed (preliminary)

More studies on cosmics

- Generating SingleMuons (12.0.1) (in progress)

Combined Slice

- A talk on Jamie, ATLAS Trigger&Physics Week (Tue 30Oct): LVL2 Cosmics studies [↗](#)
- A talk on Jamie, PESA Algorithms @ sw week (Tue 12 Dec): Update on LVL2 cosmic slice [↗](#)

Useful tips

- here is a [RecipeForRunningL2Cosmics](#)
- here is a [RecipeForRunningWithoutReadingPixels](#) (in progress)
- here is a [CvsRecipe](#)

-- LauraGonzalezSilva - 28 Aug 2006

This topic: [Main > TriggerStudies](#)

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