
Cosmic Slice Release Validation

And the script that makes it simple

AthenaMT /PT

- Offline emulation of online HLT framework
- MT = LVL2 Trigger
- PT = Event Filter

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- Datafiles, logfiles, rootfiles
- Check Streaming
- Check Signature Acceptance

Checking Streaming

- Compare HLT acceptance between releases
- Trigger Type Bit versus:
 - CTPID
 - StreamTag
 - FileName

	0	1	2	3	4	5	6	7
CosmicDownwardMuons	0	0	0	0	11	0	0	11
CosmicMuons	0	0	13	0	1	0	152	152
IDCosmic	0	0	19	0	10	4	85	108
IDTracks	0	0	15	0	9	3	50	70
L1Calo	0	0	110	0	0	0	13	110
L1CaloEM	0	0	57	0	0	0	8	57
LArCells	0	0	19	0	0	0	2	19

Checking Signature Acceptance

- List events accepted by HLT in one release and not in another per chain

CosmicsAllTeTRTxK_TRTTrkHypo 30 / 98 :

(121416, 335544357)

(121416, 1207959811)

(121416, 83886110)

(121416, 2432696606)

(121416, 2566914067)

(121416, 301989914)

(121416, 922747154)

(121416, 335544588)

(121416, 335544371)

Future Work

- Make final additions to comparison script
- Work on a brand new project
 - Seeding unseeded chains