What to Monitor

Hlt1

Hlt1 monitoring will happen in the monitoring farm with a task processing the Dec/SelReports for mass plots, rates per interaction, etc. Another task will rerun Moore in Hlt1 mode with extra histograms of reconstruction quantities.

The report reader is basically there, has to be updated to only decode Hlt1 quantities and some new Hlt1 lines have to be added, i.e. the new exclusives.

The task that reruns Moore will have to be created, bits of configuration to create the additional histograms are needed.

What to monitor	Data From	Which task
Track χ^2	Tracks	Rerun Moore
Number of tracks per event	Tracks	Rerun Moore
Hlt1 mass plots	SelReports	Report Reader
μ	Lumi events	Report Reader
J/ψ rate	SelReports + Lumi events	Report Reader

Hlt2

A framework that runs the Hlt2 monitoring tasks on files needs to be put in place.

Histograms will be written to a file per run somewhere in /hist for the presenter to be picked up.

What to monitor	Data From
Track χ^2	Tracks from candidates in SelReports
Rates	SelReports
Mass plots	SelReports

Who Does What

What	Who	Status
Coordinate Hlt2 monitoring task infrastructure with Online	Roel	Markus is building a small framework for running the Hlt2 monitoring tasks, nodes will be found.
Make skeleton tasks for Hlt2 monitoring developments	Roel, Vava	Have a look at existing RateMon stuff and run it.
Update Hlt1 monitoring task(s) in the monitoring farm	Roel	Existing stuff should be OK for testing, update Online version
Update rate monitoring	Yandex	
Update mass monitoring	Yandex	
Test the monitoring with FEST	Roel to show Yandex	
Update/create presenter pages	??	

-- RoelAaij - 2015-02-02

This topic: LHCb > RunIIMonitoring
Topic revision: r1 - 2015-02-02 - RoelAaij