

SPD DQM status report

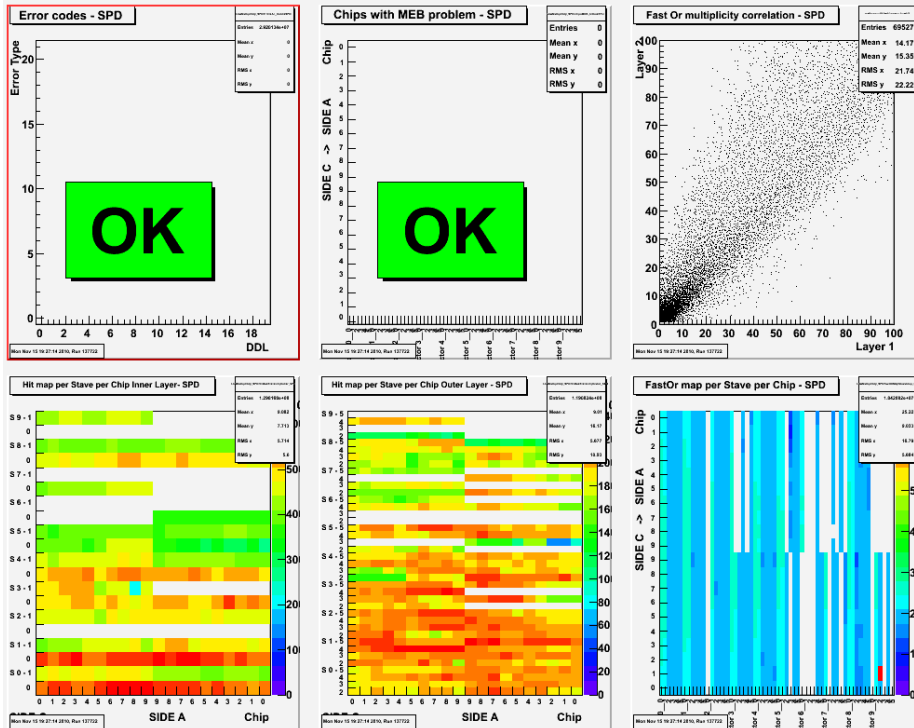
A. Mastroserio

Overview

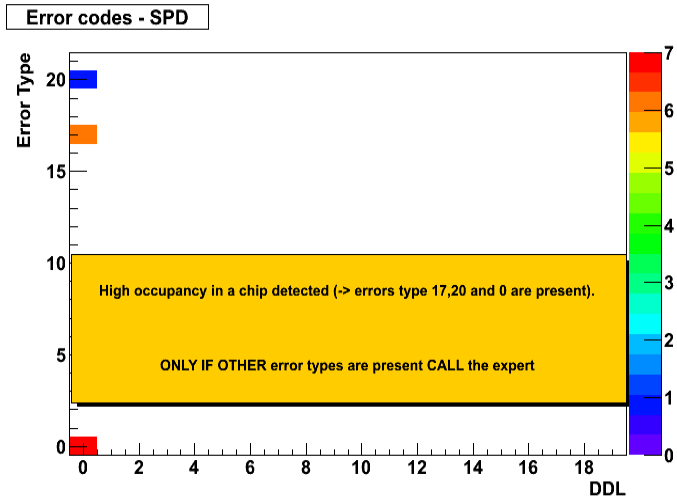
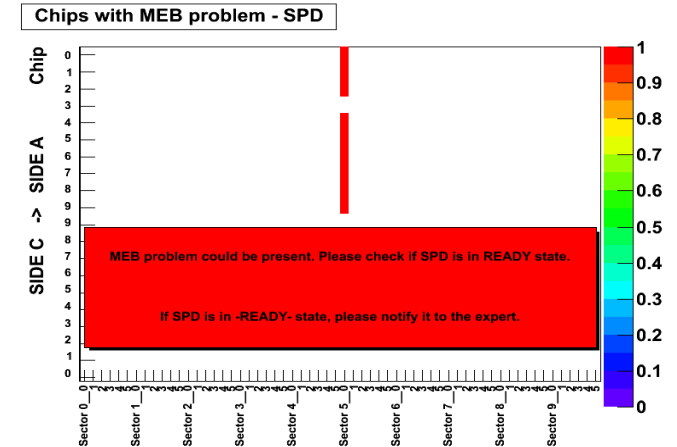
- **Two running agents :**
 - amoreAgentSPDQA shifter
 - Publishes histograms and makes automatic checks according to the QA framework in AliRoot
 - amoreAgentSPDHits
 - Publishes SPDMonitoringContainer (TObject inherited) . Histograms are displayed “on the fly” by the SPD GUI
- **Same automatic checks provided in both agents**
 - SPD case two detector specific data format checks are applied on top of the standard ones
- **Same checks in pp and PbPb collisions**

DQM QA Histograms

PbPb run (Yiota)



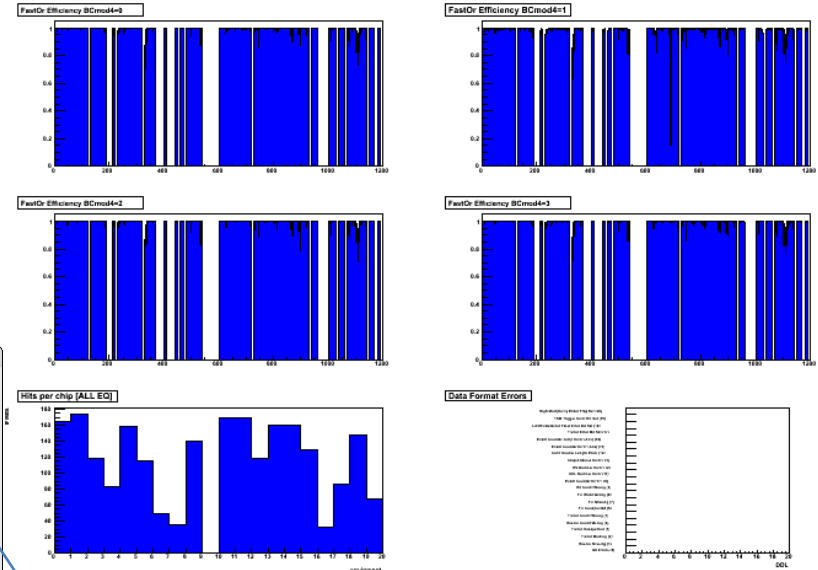
Automatic checks provide 3 alarm levels (**Error**, **warning**, **normal**) and actions



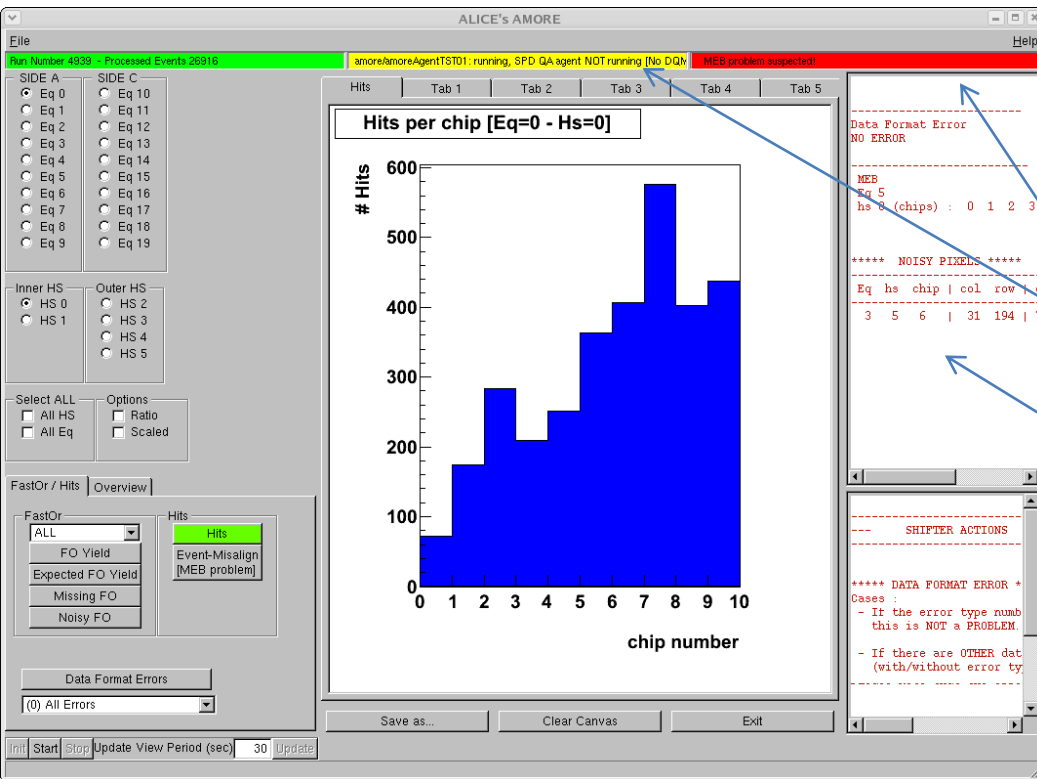
Histograms are described both on twiki and the DQM GUI at P2 (QAdescription_SPD.configfile)

SPD Monitoring Histograms

Logbook summary image



Shifter GUI



- Alarm in the status bar
- Information (which error, noisy pixels)
- Shifter actions

Conclusions and outlook

- SPD Data Quality monitoring is working well
- To do :
 - Histogram quality in the GenericGui view
 - Increase text size in the DQM plot TPaveText
 - Documentation
 - Reduce the number number of DQM histograms