TkCommissioner Trees

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Inputs & Outputs
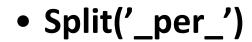
DQM.root

script.py

List of modules

DQMTree.root

Inputs & Outputs

RawID	Online Name String
303050768	BPix_BmI_SEC2_LYR1_LDR1F_MOD1
303054852	BPix_BmO_SEC1_LYR1_LDR1F_MOD4
303050776	BPix_BpI_SEC1_LYR1_LDR1F_MOD2

List of modules file structure

charge_per_SignedModule_per_SignedLadder_PXLayer_3

- **Split('_per_')**

charge

Row	rawId	charge	valid	missing	(...)
11	306376708	26149.812	444	6	
18	344561668	27801.802	1223	3	

Output: Module level statistics

ASSUMPTION: all modules (Barrel + Forward) monitor same quantities

Make it run

> python script.py $1 $2 $3

Where:

- $1 – input DQM file < <u>default:</u> DQM.root >

- $2 – file with DetIds < <u>default:</u> detids.dat >

- $3 – output ROOT TTree < <u>default:</u> DQMTree.root >

Tweaking script behaviour:
- baseRootDirs –list of directories in which script has to look for the histograms
- readerObj.DumpData() – prints internal data