

VELO DQM for shifters

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Note:

- *I will report at a later stage on all the progress made in monitoring:*
 - *status of software*
 - *status of documentation*
 - *plans for the future*

Proposal: offline DQM for shifters (1/2)

Monitoring task

- ❖ Tools have been developed to make the offline monitoring tasks as easy as possible
- ❖ Shifters should systematically run the monitoring on whatever data they take: (N)ZS, test pulses, etc.
- ❖ This is the best way to catch problems at the earliest stage
(Like the several technical issues we've had to solve in the past week or so)
- ❖ For sure much remains to be improved, and here is where we need your feedback

Documentation

- ❖ Main data quality page
<http://lbtwiki.cern.ch/bin/view/VELO/VELODataQuality>
linked from the main VELO twiki page
- ❖ It contains a “HowTo” for shifters
- ❖ Feel free to update the wiki pages ;-)

Proposal: offline DQM for shifters (2/2)

Logging

- ❖ Use the official Data Quality problems database <https://savannah.cern.ch/projects/lhcbdataquality/> to log all problems
- ❖ You can also add an entry in the VELO ELOG to inform colleagues of new DQM material using a template such as

```
Run Number           : xxx
Recipe                : PHYSICSNTP / XXX
NZS/ZS               : NZS
Number of Events      :
Tell1s excluded      : c11
Testpulses           : OFF
Generated Data        : OFF
Time Aligned Events  :
HV                    : ON (50V)
LV                    : ON
Firmware version     :
Notes                 :
```

❖ **Thanks!**

Outlook

- ❑ Things are progressing!



- ❑ ... though we are not yet there
- ❑ The best way to improve this is by testing what is available
- ❑ So please use, test, and provide feedback
- ❑ Thanks!