

Run Conditions

- The monitoring database keeps track of some conditions for internal bookkeeping. Have been adding several fields to help with analysis efforts.
- Note that this system is not intended as a permanent solution (though it may grow into one!)
- Scrapes together information from various sources:
 - EVIO data files
 - DAQ log files
 - EPICS information
 - from per-run text files
 - from EVIO files
 - from MYA archive
 - CCDB

Run Conditions

Field Name	Source
Run number	All
Start time	DAQ logs/EVIO
End time	DAQ logs/EVIO
Beam current	EPICS
Beam energy	EPICS
Solenoid current	EPICS
Num files	EVIO files
Target type	CCDB
Trigger config file	DAQ logs
PS convertor	EPICS
Collimator setting	EPICS
Coherent peak	Future
Status	External

- Possible additions: Comments, anything else?

Data Versions

- We also store metadata about each version of monitoring data that is generated. Same scheme can be used for REST files, EventStore, etc...

Field Name	Description
Data type	General class of data, e.g. “rawdata”, “recon”, “mc”
Run period	e.g. RunPeriod-2014-10
Revision	Number of times this run period has been processed
Software version	XML file specifying the software version used
JANA config	File containing the JANA parameters used
CCDB context	CCDB string, e.g. “calibtime=2014-12-07”
Production time	Starting date of processing
VersionString	String that labels this data, e.g. “recon_RunPeriod-2014-10_20141110_ver01”