

Introduction

Mostly writing down the procedure to trigger a discussion.

Bug in PhysConf crashes EXPRESS STREAM.

```

if ( inputtype != 'RDST' ) :
    log.info('Doing MuonID for '+self.getProp( "DataType" )+' and '+inputtype)
    from MuonID import ConfiguredMuonIDs
    from Configurables import MuonRec, ChargedProtoParticleAddMuonInfo, ChargedProtoCombineDLLsAlg
    cm=ConfiguredMuonIDs.ConfiguredMuonIDs(data=self.getProp("DataType"))
    MuonIDSeq=cm.getMuonIDSeq()
    recalib.Members += [ MuonRec(), MuonIDSeq,
                        ChargedProtoParticleAddMuonInfo(), ChargedProtoCombineDLLsAlg() ]
else: #
    # @todo Should use DoD Svc, but there are some problems
    from Configurables import (MuonPIDsFromProtoParticlesAlg)
    recalib.Members += [ MuonPIDsFromProtoParticlesAlg("MuonPIDsFromProtos") ]

```

- The **else** part is broken: it runs only on RDST and requires information not available there.
- EXPRESS previously used DST so the error went unnoticed.
- Why does the EXPRESS use RDST and not DST?
- Fix (hack) applied on Tuesday, DaVinci released on Wednesday, new EXPRESS started immediately after.

- The DQ shifter has to be at CERN.
 - At least one shifter per day including weekends.
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- DQ shifter monitors histograms from EXPRESS and FULL streams and triggers alarms, reported in **problems database**.
 - **SHORT** Daily afternoon meeting (Bldg. 2) to decide what to do with the collected data.
 - Participants:
 - DQ shifter
 - Data Manager
 - Run Coordinator
 - Relevant sub detector piquets
 - Alignment/Calibration/.. piquets
 - Database manager?
 - ...
 - Decision to be taken on file (run?) base.
 1. Everything is fine.
 2. Offline fix (new software release, alignment, calibration...)
 3. Something really bad happened... we ignore this...

1. Everything is fine

- Files (runs?) are flagged as OK.
 - × Is this the only instance RAW data is flagged? Who else does and when?
- Reconstruction of OK files (runs?) can start.
- Monitor and flag reconstructed files (runs?).
- Reconstructed files (runs?) flagged as OK get stripped.
 - × Flags for reconstruction also set after the afternoon meeting?

Expanding on Wouter proposal.

- Alignment/Calibration runs on EXPRESS data on the CAF and produces new xml file.
 - × “Easiest” if this is done through a production requested via the website (see Alexey talk).
 - CAF is not a Dirac site.
 - Modifications required to production requests procedures.
 - Who prepares and submits the requests? Alignment piquet?
 - Are all alignment/calibration procedures compatible with this?
- Constants collected in a sqlite file by alignment piquet. The file is stored on a Storage Element, easiest if at CERN-USER.
- Test new constants at CAF on EXPRESS data
 - × Production requested via website
 - Modifications required to production requests procedures.
 - Who prepares and submits the requests? Alignment piquet or DQ shifter?

2. Offline fix is required (2)

- DQ shifter looks at histograms and certifies new constants.
- Sqlite file is uploaded in Condition Database by the database manager.
- Database manager produces a new tag.
 - × Where do we keep the tag? Standard location such as a file?
 - × Also needs to be propagated to the online.
- New production is requested by the DQ shifter.
- Everything reverts to normal.

- Is it foreseen that all people involved are at CERN?
- Do we wait for the afternoon meeting to trigger a new alignment/calibration/... if a problem is found at 7 am?
- Who else requests new productions, e.g. after a new HLT configuration, change in reconstruction.. ?
- How do we store the production configuration to be used, e.g. versions, option files..? Copy and paste of the previous one?
- What requires a change in the Condition Database tag?
- Whatever I forgot.

No real answer to many questions till we take data.

- Currently 4 tags are available
 1. OK
 2. UNCHECKED
 3. BAD
 4. MAYBE
- There is interest in having more, for example the data maybe good for physics but not for calibration, efficiency etc.
- More new tags or a set of standard comments to accompany the file (run?)?
- We do not want a gazillion tags/comments.

Shifters training

- Training session in the 1st week of November
- Volunteers please sign up at: <http://doodle.com/x69nwt2sdfk2h843>