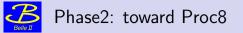
# Status and plans full dress rehearsal and phase III

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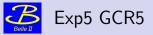


### pre-proc8

- preparing script to run pre-proc8
- release-03-00-00
- include some modifications to tracking (steering file) from Sasha
- EKLM track matching BIIDP-1120 and BKLM additional branches BII-4458
- waiting for new GT from Umberto for updated calibration (mostly tracking?)
- input: HLT skims ["hlt\_bhabha", "hlt\_gamma\_gamma", "hlt\_mumu\_2trk"]
- Status: script are ready, need to do PR and get green light from experts, and waiting for GT
- Once approved, production will take 2/3 days.

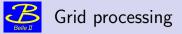
### proc8

- Most likely will use release-03-00-01
- aggressive schedule:
- Jan 21 Pre-processing with modifications to tracking settings with release-03-00-00 and data\_reprocessing\_proc7 to provide samples for study of the effects of the changes in tracking. We can also include modifications to calibration payloads if it would be useful. Already passed
- Feb 1 Deadline for software modifications to be used for proc8
- Feb 15 Updated calibration constants provided for proc8
- Feb 18 Reprocessing begins





- Fast processing already running GCR5a
  - 1 Hara-san copy (by hand?) file for offline usage (sroot $\rightarrow$ root conversion)
  - $1.1\,$  notify that new runs are available BIIDP-1097\,
  - $2.1\,$  I submit (by hand) batch of jobs for new runs
  - $2.2\,$  once done (about 1 hour) they new runs are moved to final location
    - /ghi/fs01/belle2/bdata/Data/Cosmic/e0005/4S/GCR5a/release-03-00-00/DB00000493/
  - $2.3 \ update \ confluence \ page \ https://confluence.desy.de/display/BI/Experiment+5+-+full+dress+rehearsal$ 
    - ▶ still too much manual work, but script are in place and we can automatize most of 2.x
- Second processing in preparation GCR5b
  - Include better steering file to use PXD and SVD data
  - Pull request PR11
  - in contact with experts to validate the steering scripts
  - Umberto to provide GT data\_reprocessing\_prompt BIIDP-1101



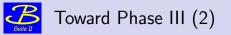


- Last week started a reprocessing of exp3, phase2 on the grid proc7b
- identical to proc7, only difference is grid based wrt KEKCC/LSF based
- two test pre-processing (3 runs each) submitted on 16/1
- two batch of jobs because some input file are labelled "Beam" and some "Physics" 6798 Done: all looked fine, so I started the full processing 6799 Running DMB= 6/6 but
  - (24/1): Transld:21689 Registered Done:2 Total:2 100.0% 1/1 ??
- Full production:
- 6857 Running: submitted on 2019-01-17 15:28:18, DMB=182/402 (was 160/402 yesterday) 6858 Running: submitted on 2019-01-17 15:42:48 DMB=187/874 (was 61/874 yesterday)
- NB: proc7 took about 2.5 days at KEKCC





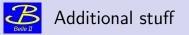
- 1. Data collectet by DAQ sroot
- $\bullet\ {\bf sroot}\ {\rightarrow}\ {\bf root}\ {\rm by}\ {\rm computing}\ {\rm group}\ ({\sf CG}\ {\rm aka}\ {\sf Hara-san})$
- root copied and registered to grid (CG)
- 2. DataProduction notified
- DP submit prod to grid to process root
  - ▶ If the latency of grid processing is like that for proc7b we do have a problem
  - What is plan B? KEKCC processing?
  - 3. ...
- 4. Profit (Announce to collaboration)





## what do we need for step 2.

- Setup of steering script
  - ▶ DP resposiblities with help and feedback by Software+DetectorContacts
  - GT provided by Calibration manager (Umberto) (prompt\_data\_processing)
- Express stream for calibration
  - limited amount of data processed quickly (KEKCC?) to be used by calibration group to extract calibration constants
  - produce cdst
    - ★ dedicated skim based on HLT ?
    - $\star$  on fast reconstruction with n-1 GT ?
    - \* How much data?
    - ★ How fast?
    - ★ How often?
- step 2.1 HLT Skim
  - after prompt production or in parallel?
  - current steering is mostly I/O and fast. Steering script mostly ready from phaseII (Karim), likely to need update (eg monopole skim?)
  - on grid (see before)





Additional or backup slides



