# Data Processing On Grid **DONE**

S. Lacaprara

- Bucket4: exp 7 runs: 909-1650     L=69 /fb
    - ■ ProdID 7796, submitted on 20/5. **DONE**
  - ○ One job associated to a given input file keep crashing
    - ■ /belle/Raw/e0007/physics/r01361/sub00/physics.0007.01361.HLT3.f00010.root
  - ○ Also processing at KEKCC crashed for reacing memeory limit
    - ■ With help of Hideki-san (thanks!) I removed the file from processing, which is now finally over
      - ● gb2_prod_cancelInputFile -p <ProdID> --lnf <filename>
- Bucket6: exp 8 runs: 3128- 3847  L=343 /fb
  - ○ ProdID 7839 submitted on 4/6. DONE
  - ○ Similar issues with two input files
    - ■ /belle/Raw/e0007/physics/r03689/sub00/physics.0007.03689.HLT4.f00053.root
      - ● Thomas found an events with loooot of digits
        - ○ 65631 SVDShaperDigits, 7598 CDCHits, 14472 TOPRawDigits, 12800 ARICHDigits, and 7951 ECLDigits.
    - ■ /belle/Raw/e0007/physics/r03835/sub00/physics.0007.03835.HLT2.f00038.root
      - ● Both failed at KEKCC processing as well

# Data Processing On Grid

- It is possible to mark as non-good these files before submission, so they will be not processed on the grid
  - gb2_ds_set_file_meta
  - Since we know that these files will give trouble, I propose to flag them now.
- Of course, other problematic events might exist for post-bucket6 runs
  - We processed them at KEKCC (both unofficial and cdst - ongoing -) so we know (or will know) if any crash occurs
  - BUT:
    - Only for some hlt_skim
    - We run on hlt_skim RAW, so we do not know (easily) which RAW file contains the bad event.
      - Proposal: run them all, and once 99% of processing is done, go through problematic jobs and remove corresponding input files from the processing
      - Manual, boring, but at least I know (and will document) how to get the bad input files
- Proper solution is to have a protection in basf2 reconstruction!

# Miscellanea

- Started (really, just started) on:
  https://confluence.desy.de/display/BI/Data+Processing+WebHome
  - For the time being focus on grid processing
- I'm updating every day Lumi plot for exp8
  https://confluence.desy.de/display/BI/Phase+3+luminosity+monitoring
  - Script run manually (ok for know), need to automatize.

Reminder: I will be away (vacation) from 4 to 15 July.
You can get me on telegram (if needed) but I will be w/o
my laptop, so only consulting.

Marco has Proc9 firmly in hand, so I foresee no
problem.



Belle II online luminosity      Exp: 7-8 - All runs

Integrated luminosity [fb$^{-1}$]

Total $\int \mathcal{L}\, dt = 6.49$ [fb$^{-1}$]

Plot on 2019/06/27