



Data Processing Status Update

Stefano Lacaprara & Marco Milesi

Data Production Meeting 5/9/2019

Bucket 7 Status KEKCC/GRID



- **Production of mdst (only) for All events**
 - <https://agira.desy.de/browse/BIIDP-1643>
- **KEKCC: DONE**
 - Few runs being reprocessed for issue with copy from /ghi to /dataprod
 - 1920, 1925, 1932, 1935, 1936, 1940, 1941, 1942, 1943, 1946, 1951
 - Output path:
 - `/group/belle2/dataprod/Data/release-03-02-04/DB00000677/bucket7/e0008`
- **GRID: DONE**
 - Datasets:
 - `/belle/Data/release-03-02-04/DB00000677/bucket7/prod0000XXXX`
 - where XXXX = 8676 8677 8678 8679 8680 8681

Proc 9 on Grid: Status



● **100% DONE!**

- **LFN**

- **Exp3:**

- `/belle/Data/release-03-02-02/DB00000654/proc9/prod00008525/e0003/4S/` ("beam" runs)
- `/belle/Data/release-03-02-02/DB00000654/proc9/prod00008530/e0003/4S/` ("physics" runs)

- **Exp7:**

- `/belle/Data/release-03-02-02/DB00000654/proc9/prod00008522/e0007/4S/`

- **Exp8:**

- `/belle/Data/release-03-02-02/DB00000654/proc9/prod00008521/e0008/4S/`

{OBJ*OBJ*OBJ}

Data Proc for rel-04 validation



- Some test processing done with prerelease-04-00-00a
 - GT: "data_reprocessing_prompt_rel4_patch", "online"
- Modification in processing script: [BIIDP-1776](#) and [PR 70](#)
 - Not yet complete.
- Some issue with ERROR/WARNING
 - <https://agira.desy.de/browse/BIIDP-1778>
- Some crash due to huge memory increase:
 - <https://agira.desy.de/browse/BII-5145>
- Issue with GT, eg in processing run 155X runs requested by Chris Harty for HLT validation: <https://agira.desy.de/browse/BII-5325> (known)
 - [ERROR] Cannot find payload in any of the configured global tags
 - name = CDCEDepToADCConversions

Good and Bad Runs



- Proc9 <https://agira.desy.de/browse/BIIDP-1712>
- Bucket7 <https://agira.desy.de/browse/BIIDP-1746>
- **Implemented:**
 - **Or for both bad and good:**
 - `.../bucket7/e0008` for all runs
 - **sym link** to `.../bucket7/e0008/` (**GoodRuns | BadRuns**) /
- **WARNING**
 - **The list of bad runs may increase/change in the future**

Online vs Offline # events in run



- On/Offline lumi mismatch
 - <https://agira.desy.de/browse/BIIDP-1734>
- Detailed investigation of all Exp8 runs
 - Provide csv list of all runs with:
 - #events On/Offline
 - Lumi On/Offline
- Got a list of runs with $(\#ev \text{ online})/(\#ev \text{ offline}) > 1.2$ (< 0.8)
 - Table in the jira ticket
 - Asked Hara-san to investigate the sroot->root conversion and online->offline copy

Offline luminosity tool



- As asked by Karim
 - I prepared a tool similar to that I prepared for online lumi also for offline
 - `b2info-luminosity --exp <E> --runs <Range> --what [online|offline] --plot [DATE|RUN]`
 - Same functionality and interface
 - Based on run-by-run lumi tables provided by Xing-Yu Zhou et al
- [PR 4677](#)
 - Not yet merged, will be for first 04 patch release

