OPAL DP Status Update

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Overview

- Data is stored in EOS
  - Raw data
  - Reconstructed data of various ‘densities’
  - Monte Carlo samples
- Binaries and auxiliary files are stored in CVMFS
  - Library files of central processors
  - Scripts and wrappers
  - Environments
    - csh and sh families

Overview bis

- Sources stored in gitlab.cern.ch/opal
  - Sources of central processors
    - Including a large part of the history
  - Scripts and wrappers
  - Manuals and documentation
- Webpages stored in EOS

Status Update

- CI pipelines added to gitlab repo
  - Big thanks to Ulrich!
  - Libs of central processors build automatically
    - Artifacts saved
  - Some example jobs build and run
    - Logs compared to reference logs
  - Further binaries build
    - Grope & whicho
  - Allows for easier and quicker deployment
    - ...and checks of new architectures, cernlib versions,...

Status Update Event Display

- Event display resurrected
  - Another big thank you to Ulrich!
- Event display (grope) was using gphigs
  - License issues, lack of support for recent OSs
- Successful migration to openphigs
  - Including extending openphigs

Current Architectures

- CC7 32 bit
  - Can not read RZ database files => unusable
- RH8 32 bit
  - OK, but we should probably go for 64 bit?
- RH9 64 bit
- Debian12 64 bit
- Ubuntu20 64 bit
- Ubuntu22 64 bit

- Thanks to resurrected CERNLIB versions for these architectures!

Open Data?

- No progress with respect to
  - Making data open
  - Making software available
  - Making internal documents public

Other Issues

- Processing latex documents can be tricky
  - Used stylefiles difficult to find

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