Calibration Software Status of PHENIX RICH

presented by

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at

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- **design & implementation of DGO/DAO/DCO**
  - not started due to lack of information
  - need a plan to incorporate <u>mirror survey</u> *etc.*
  - need a plan how much geometry data to be in DGO
    - template exists in PISA/STAF (dCrkGeo)
- **software to deal with inefficiency & dead channels**
  - simulation:
    - exists in PISA/STAF (dCrkUcal)
  - reconstruction:
    - exists in STAF (dCrkCal) as *adc_gain = 0*

- **software to determine alignment constants**
  - only manual alignment using histograms
  - need more work
- **software to determine calibration coefficients**
  - a kumac used in PMT tests
  - need to make it a "module"
- **expected time dependence of calibration data set**
  - run by run *unless limited by statistics*

- **calibration & alignment software in reconstruction**
  - calibration:
    - exists in STAF (mCrkGhitRaw & mCrkRawHit)
  - alignment:
    - probably need to allow finer tuning
- **plans for next 1-2 months; who ?**
  - design of DGO
    - when template is available
    - KS
  - calibration module in new framework
    - KS