General Update

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Detector Subsystem: HCal - Haven't worked on since Pass1 calibrations

- Sebastian's old calibration scripts used to produce timing offsets for kin2 and kin3. Gain coefficients produced using kin3 H2 data (<u>DocDB Post</u>)
- Location of calibration procedure doc: <u>Sebastian's Documentation</u>
- Analysis cuts used: bb.tr.n==1&&bb.ps.e>0.2&&abs(bb.tr.vz[0])<0.28&&bb.gem.track.nhits>3

Current Work:

- Inelastic background: Used g4sbs to try and get a dxdy distribution for the background fitting procedure
 - Previous suggestion use inelastic generator in g4sbs
 - Trying to use for fitting dxdy distribution and inelastic asymmetry
 - Discussion
- Hcal:
- Hesitant to start new round of calibrations Andrew's Timing
- Trying to plan what needs to be done for Pass2 besides repeating original procedure: early stages
- Secondary clusters for Gordon's inelastic investigation
- Analysis:
 - Cut sensitivity
- Polarimetry:
 - Low number of calibrations due to cell ruptures in 4b, not sure how to handle, will present questions soon
 - Currently no mechanism for beam depolarization
- Need Help?:
 - I want something that accurately simulates inelastics for all three kinematics. Where to start if not g4sbs?