## ePIC Gaseous Trackers MPGD-DSC update

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**EPIC Detector TIC Weekly Meeting** 

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## Plans for Calibration / Alignment and Monitoring

- ✤ Calibration:
  - \* No calibration during operation is needed. All MPGD modules will be properly characterized during commissioning before installation
  - ◆ Regular pedestal runs during operation → exact plans will be finalized when we have the SALSA electronics ready in hand for test
- ♦ Alignment: No detailed plans yet → too early
  - ↔ We will follow models used in previous experiment with MPGD trackers (SBS GEMs, CMS GEM ...)
  - Optical survey based alignment will be performed during installation
  - Photogrammetry imaging technique for alignment used for CMS Muon chambers could be an option to explore
  - Final and precision alignment will be software alignment
- ♦ Monitoring: No detailed plans yet  $\rightarrow$  too early
  - \* Monitoring software tools will be developed for event display with characteristics performance plots during operation
  - Several models used in past or current experiments can be used as source of inspiration.
  - ✤ Tools such as EPICS could be used for online monitoring of condition database