Data base - requirements

- Geometry DB
- Field map DB
- Calibration DB
- Slow control DB
- Run DB
- Reconstruction status DB

Geometry DB

- Beamline, detectors, magnets
  - position information
    - local: e.g. (x,y) of pads relative to TPC zero position
    - global: e.g. (x,y,z) of TPC
  - update frequency: O(run period)

Field map

- Magnets D1 ….
  - measured (Bx,By,Bz) on a grid for one current setting
  - update frequency: O(years)

Calibration DB

- All Detectors
  - TPC: electronic gain and T0 for each channel, dead/hot/noisy channels
  - TOF: ?
  - DC: ?
  - update frequency:O(hours/days)

Slow control DB

- Rapidly changing data:
  - TPC-gas
    - temperature, pressure, drift velocity
  - other detectors ????
  - update frequency: O(sec/min)
- Slowly varying data:
  - magnet currents, hall probe, HV…
  - update frequency: O(5min)
- Stable data:
  - TPC pedestals
    - (mean, rms) for each channel & timebin
  - update frequency: O(days)