

# Grid Data Management

- Variety of solutions, many not publically documented, but two common approaches:
- Custom DB + xrootd/SRM
  - File/run metadata stored in DB
  - Xrootd gives common namespace to access files
  - Based on 8+ years of use by ALICE, CMS & ATLAS moving in this direction
- DIRAC toolkit
  - Full set of grid middleware originally developed for LHCb
  - Includes metadata DB and file catalog
  - Also being used by BES III & Belle II

# Notes

- CMS – DBS/DAS, AAA (xrootd)
- ATLAS – DQ2, Rucio (in devel.), xrootd
- ALICE – xrootd
- LHCb – DIRAC (DFC,...)
- BES III – DIRAC (DFC)
- Belle II – DIRAC, AMGA?
- LSST – xrootd
- IceCube – IceProd