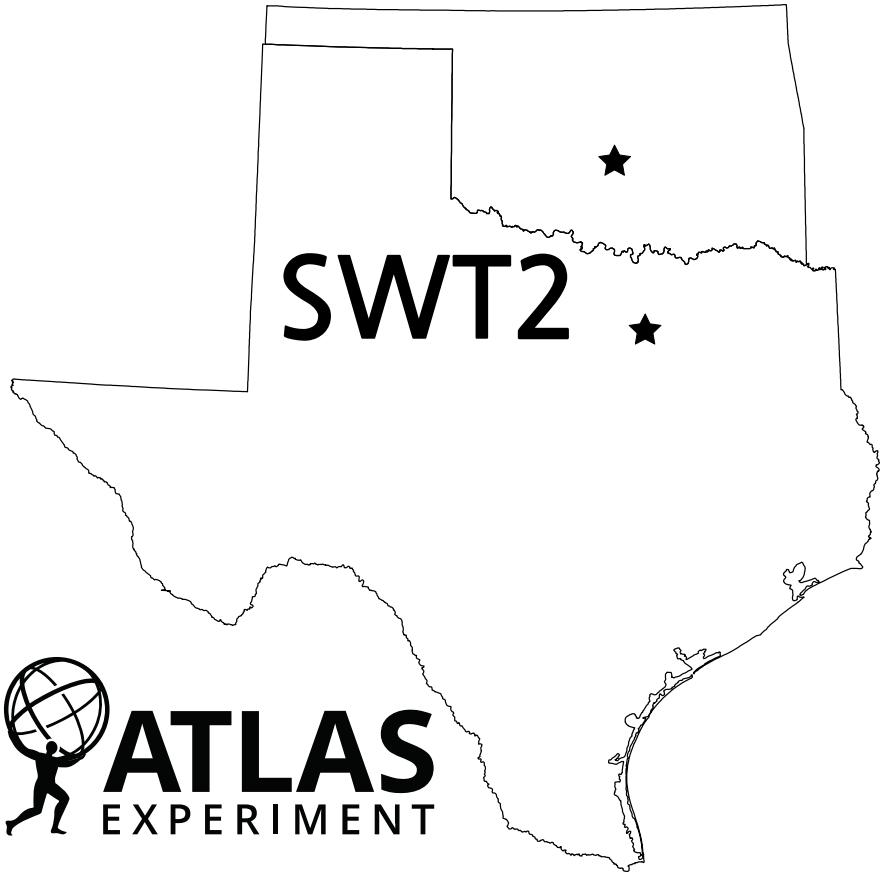
SWT2 in 2019



Highlights

- FY18 closeout and FY19 funds will principally used to refresh storage at SWT2_CPB
- Consolidation:
  - UTA_SWT2→SWT2_CPB
  - OU_OCHEP_SWT2 → OU_OSCER_ATLAS
- Investigate XCache as mechanism to replace RUCIO RSE at OU_OSCER
- Take full advantage of new campus network connections

Plans for FY19 (part I)

- Purchases:
  - Need to buy Slate/StashCache machines for OSCER and SWT2_CPB
  - 1.3 PB at SWT2_CPB is old and needs refresh
  - Goal is get SWT2 pledge met with SWT2_CPB
  - Upgrades at SWT2_CPB network for 100 Gb/s
- Consolidation:
  - UTA_SWT2
    - Facility no longer owned by UTA
    - Network upgrades to UTA_SWT2 are problematic
    - Investing in storage (to maintain RSE) is not worthwhile
  - OU_OCHEP
    - Old hardware; new purchase go to OU_OSCER
    - SRTC machine room likely to be decommissioned

Plans for FY19 (part II)

- XCache
  - See if we can run UTA_SWT2 without an RSE
  - See if this can be extended to OU to avoid having SE there
- Networking
  - UTA
    - Now peers with LEARN at our campus
    - LEARN feed is 100Gb/s
    - Will be growing Science DMZ's path to take advantage
  - OU
    - OSCER facility will upgrade network with direct 100 Gb/s connection with OneNet