

TPC electronics

- Pedestals
- Chamber-by-chamber gain equalization (HV)

Data taking

Reconstruction Stage 1

Cluster Finding

- Dead channel map

Seeding / Tracking

- Average space-charge distortion map
- Drift velocity
- Pad-by-pad gain equalization

O(15)min

Data Compression

Permanent Storage

Reconstruction Stage 2

Tracking / External Track Matching

- High-resolution space-charge distortion map
 - ITS-TRD external track reference
- O(ms)**

Online Systems

Physics Ready
Data

Data analysis