

STAGING

- Staging was discussed in a recent DUNE Near Detector workshop
- Potential scenarios discussed but more discussion/study needed
 - Regard to running configurations, beam monitoring requirements, requirements for temporary muon detector, etc.

Stage	LAr	MPD	3DST-S	DUNE-PRISM	Comments
Initial	Full detector	Temporary Muon Detector		in effect	PRISM assumes beam monitoring with moveable system is sufficient. Otherwise, need dedicated on-axis monitor. Temporary muon detector must be scoped to suffice
Full	Full detector	Magnet + HPgTPC + ECAL	3DST-S	in effect	

Stage	LAr	MPD	3DST-S	DUNE-PRISM	Comments
Initial	Full detector	Magnet + HPgTPC	3DST (S)	in effect	On-axis monitoring provided from day one by dedicated detector. Full μ -spectrometry for LAr from start
Full	Full detector	Magnet + HPgTPC + ECAL	3DST-S	in effect	Full MPD for low threshold measurements