

Proto-Workshop: Feb 16th, 17->20 CET

- Schedule facility and tools
 - Readiness of BOM
 - Deadline for material production

- Phase1: TPC-mockup at CERN
 - Infrastructure and real constraints
 - Timeline for commissioning
 - Timeline for data analysis

- Goals of the cryogenic test
 - What can we learn for DS20k-TPC?
(large area gas pocket surface stability; cathode HV delivery through cryostat and acrylic vessel; TPC system concentricity method confirmation;)
 - **Mechanical validation and point of no return for acting on mec.details**

- TPC-mockup and Proto-0: do we have all that we need for building DS-20k?

From Proto roadmap

	Measurement	LN Laser runs	Proto-0 w/o reflectors	Proto-0 with reflectors	Proto-1 w/o shield	Proto-1 with shield
SiPM	PDM response stability	X				
	PDM response uniformity	X				
	Potential issues with PDM	X				
	SiPM template response	X				
	After pulses	X				
	Cross talks	X				
	SiPM single rate	X				
Physical and detector parameters	LAr purity: S1 slow component		X			
	Gas pocket formation and uniformity		X			
	XY resolution		X			
	Uniformity of the drift field in XY		X			
	Uniformity of the drift field in Z		X			
	LAr purity: electron lifetime			X		
	S2 amplification factor			X		
	SiPM impact on PSD			X		
	S1 LY + resolution					X
	S1-S2 reconstruction in low occupancy					X
S2 resolution					X	