

HST: hardware tests

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LHC Injectors Upgrade

PSB Half Sector Test - Installation Meeting #2

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Hardware		Responsible for HW tests	Readiness	List of tests
Vacuum		Nicolas Thaus Jan Hansen	Beg. JULY	
BSW magnets	l4h.bsw3.1055 l4h.bsw4.1065	Cedric Baud Controls: Christophe Lolliot	Beg. JULY	
Stripping foil	l4h.tkstr.1052	Remy Noulibos Controls: Pieter Van Trappen	Beg. JULY	
BTV	l4h.btv.1052 l4h.btv.1077	Stephane Burger	Beg. JULY	
H0/H- monitor	l4h.bcd.1067 Foil current mon.	Gerrit Jan Focker	?	
H0/H- dump External dump	l4h.tdi.1070	Damien Grenier	Beg. JULY	
BCT	l4h.bct.1043 l4h.bct.1073	Franco Lenardon	Beg. JULY	

Hardware		Responsible for HW tests	Readiness	List of tests
Interlock	SIS	David Nisbet Nicolas Queneutte		
Interlock	BIS	Christophe Martin	Beg. JULY	
Interlock	WIC	Richard Mompo		
Timing and controls		Ioan Kozsar		
Applications		Jose-Luis Sanchez Alvarez		
Transformers + racks		Davide Aguglia Christophe Coupat	Beg. JULY	

Half Sector Test elements

From *EDMS 1571173*

Equipment Description	Slot Name	DCUM (cumulated distance from L4T Start)	Local DCUM [m]
Start HST	N/A	38450.52	A16.647
Beam Current Transformer (BCT)	L4H.BCT.1043	38607.92	A16.804
Vacuum Valve	L4H.VVGS.1046	39005.32	A17.202
Ion Pump	L4H.VPI.1048	39150.32	
Stripping Foil + BTV System	L4H.TKSTR.1052	40323.32	A18.520
Screen @ Stripping Foil Location	L4H.BTV.1052	40323.32	A19.838
Bumper Slow (BSW) Magnet #3	L4H.BSW3.1055	40550.535	A20.065
Penning Gauge	L4H.VGP.1060	40898.535	
Pirani Gauge	L4H.VGR.1060	40898.535	
Ion Pump	L4H.VPI.1060.3	40898.535	
Ion Pump	L4H.VPI.1060.7	40898.535	
Bumper Slow (BSW) Magnet #4	L4H.BSW4.1065	41246.535	A20.761
H ⁰ /H ⁻ Monitor	L4H.BCS.1067	(fixed upstream on dump)	
H ⁰ /H ⁻ Dump	L4H.TDI.1070	41467.535	A20.982
BCT	L4H.BCT.1073	42355.07	A21.870
BTV Monitor	L4H.BTV.1077	42928.37	A22.443
Vacuum Valve	L4H.VVGS.1081	43275.37	A22.790
Ion Pump	L4H.VPI.1086	43720.371	
Penning Gauge	L4H.VGP.1086		
Pirani Gauge	L4H.VGR.1086		
Mobile Pumping Group (angle valve)	L4H.VV.1088	43865.371	A23.380
Cooling Dump Connection	N/A	44490.82	
Entry Face Dump (concrete)	N/A	44865.82	
Start Dump Core	L4H.TDI.1095	45545.82	A25.060
End Point Dump Chariot	N/A	46706.82	A26.221