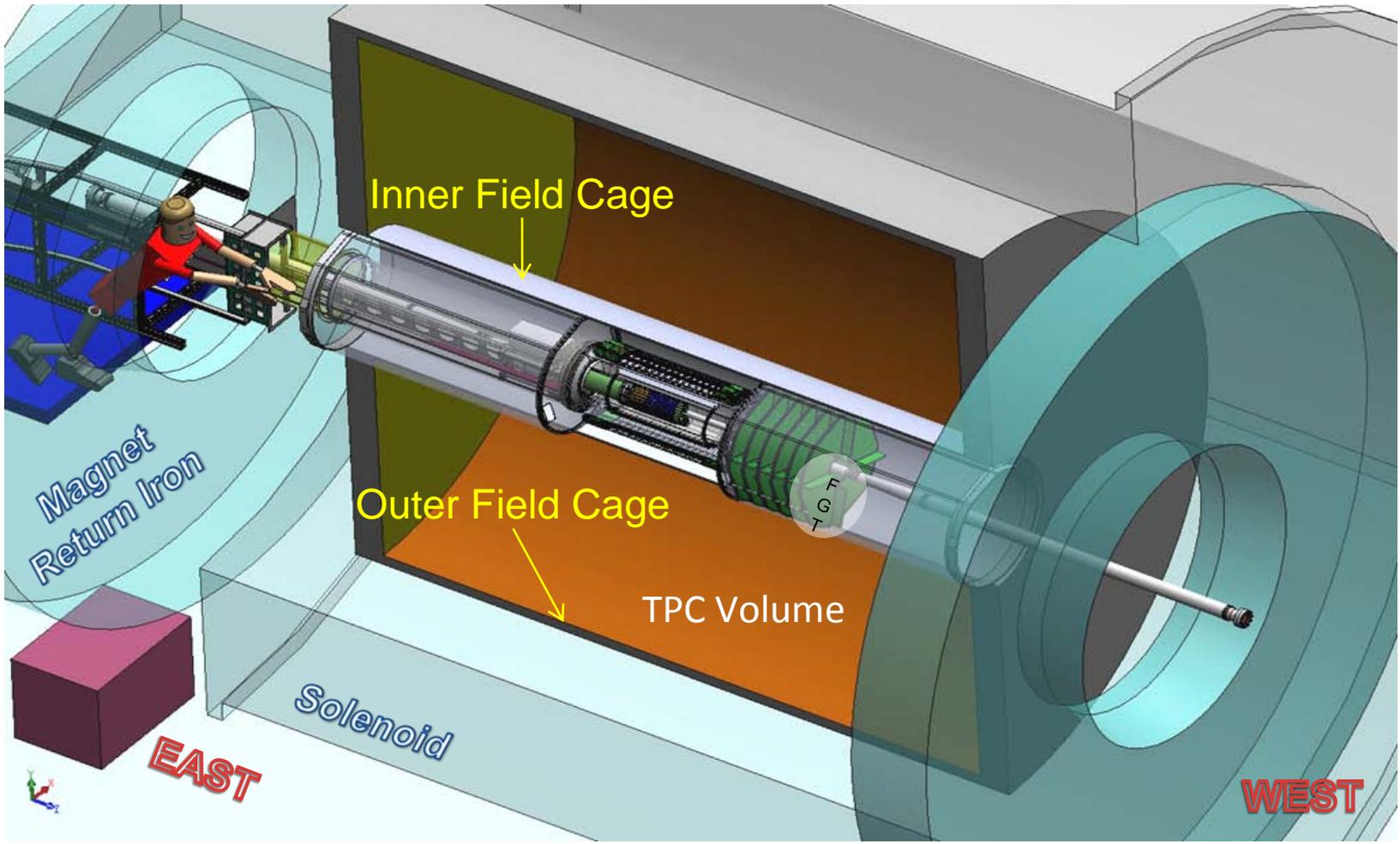


- The STAR HFT PXL system is designed to be inserted in situ.
- Is housed in 2 large frame aligned with rails inside Inner Detector Support.
- Inserted from East end of STAR from PXL platform
- Detailed installation scheduled worked out by HFT/STAR ops



Inner Field Cage

Outer Field Cage

TPC Volume

Solenoid

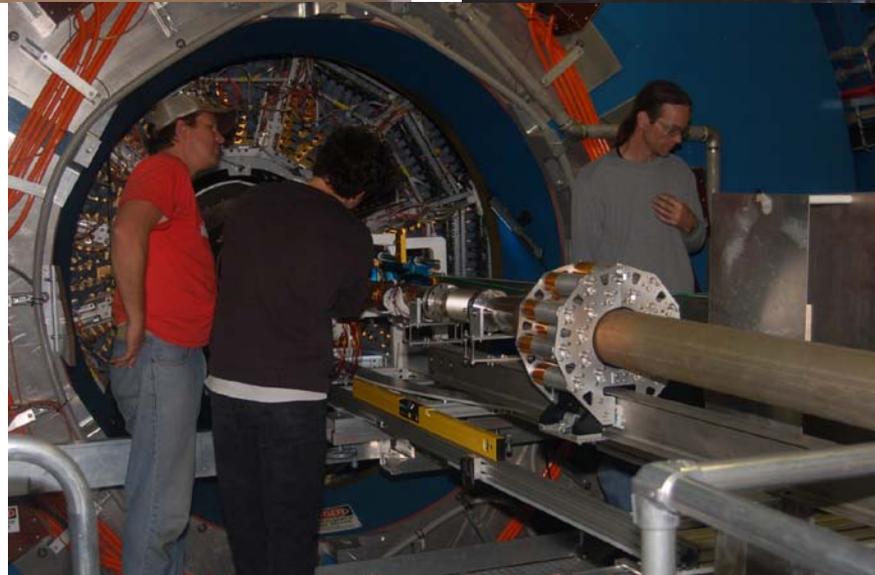
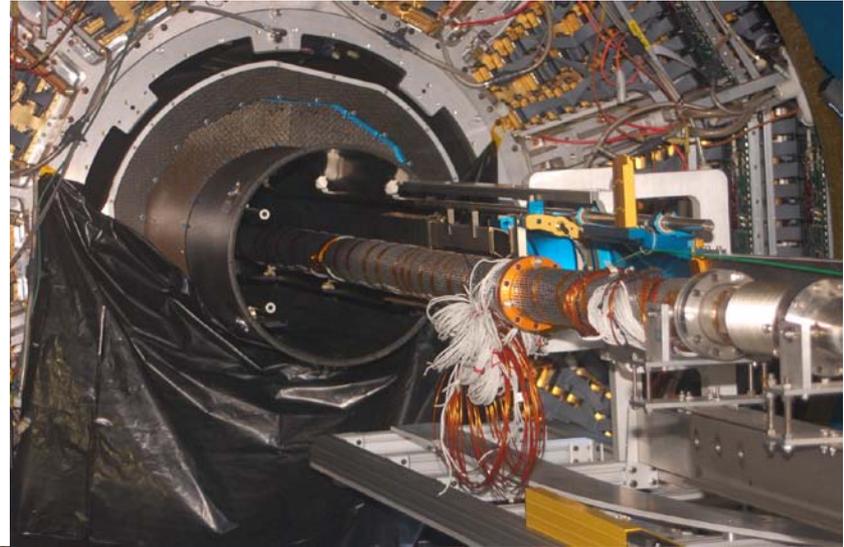
Magnet Return Iron

EAST

WEST

FGT

Insertion test (1/2 half) last Fall



- Mechanical pre-installation tests were carried out at LBL with PIT and PST clone.
- Extensive full chain test electronics readout of sector with sensors, RDO, STAR TCD and DAQ-PC has been done at LBNL ahead of packing up.
- The large shipping boxes been shipped and has ETA for Monday April 28.
- A team from LBL will arrive this coming Sunday to unpack, reassemble two boxes with sensors, setup for final checkout / initial integration with STAR in 'clean room' in Assembly hall.
- Installation for May 8 will give 8 days of testing time.
- Second team will arrive Sunday before installation

Complete checklist with time estimated for tasks.

Personal from STAR
 2 Eng and 2 tech from LBNL,
 Electronics people
 HFT eng, STAR ops.

Requires ~10.5 + final checkout time (2 h)

Task	Crew 1	Crew 2	Time (mins)	
Phase 1				
Checkout the magnet (perhaps just interlock Key)	x			
Open Shield Wall (Riggers, in parallel (//) if < 60 min)		x	60	
Take Down Barrier	x		5	
Open for small tiles	x			
Put in tracks	x		20	
Put platform in place	x		45	
Stabilize Platform	x		45	
Remove BBC	x		60	
Take a picture of the small tiles prior to removal	x			
Roll spreader bar through the hole		x	15	
Roll to the south side	x	x		
				2 hr 55 min
Phase 2				
Roll detector into the hall + hook up the spreader bar	x	x	60	
Install box beam on the poletip (in //)	x		30	
Install Dam between poletip and TPC face (in //)	x		20	
Insertion of south side			60	
- Rig south frame onto the platform	x			
- Align it for insertion	x	x		
- Insert south side detector	x	x		
- Rig south frame down to the floor	x			
- Rig spreader bar on the ground (If rolled to N)	x			
- Bring spreader bar to the north side	x			
Insertion of north side	x		60	
- Rig north frame onto the platform	x			
- Install it to the final location	x	x		
- Insert north side detector	x			
- Rig north frame down to the floor				
- Rig spreader bar on the ground				
Route and connect cables from rack to the PXL patch panels	x		30	
Temporary route and hookup of air lines	x		30	
				4 hr 0 min
Phase 3				
Power, Cool and test PXL in place		x	120	
Disconnect cooling	x		10	
Close shield wall (Riggers)		x		
Re-install BBC (Large + Small)	x		40	
Roll Staircase + Roll Platform away + Remove rails	x		30	
Final connection of air lines	x		20	
Re-install Barriers	x		5	
				3 hr 45 min
Total				10 hr 40 min

