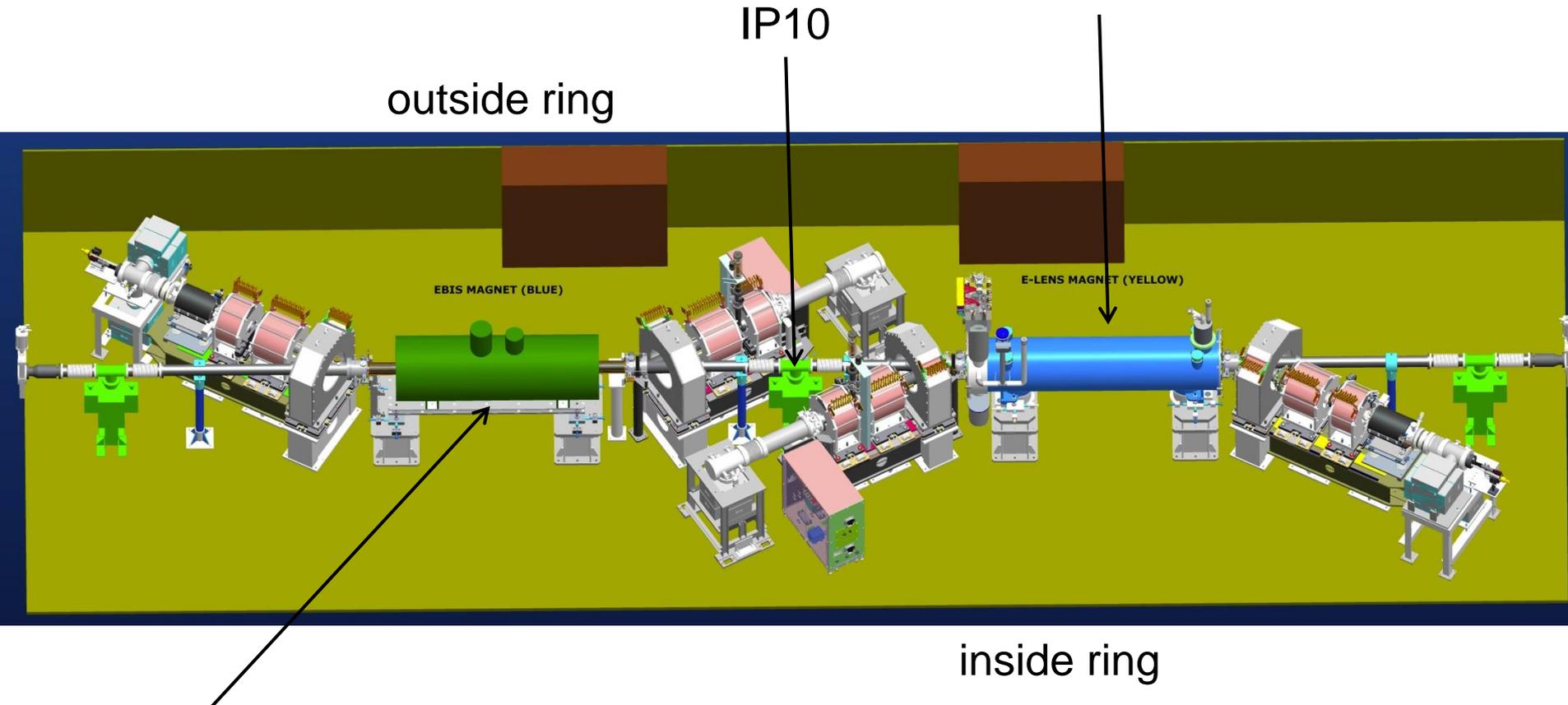


Electron lens main solenoid #1

- allows for electron transport from gun to collector
- does allow for beam-beam compensation
- may not be completely connected/tested for Run-13



EBIS spare solenoid

- allows for electron transport from gun to collector with 2 Tm integrated strength
- does not allow for beam-beam compensation (field lines not straight enough)

SC solenoid #1 in SMD
(now in cryostat)



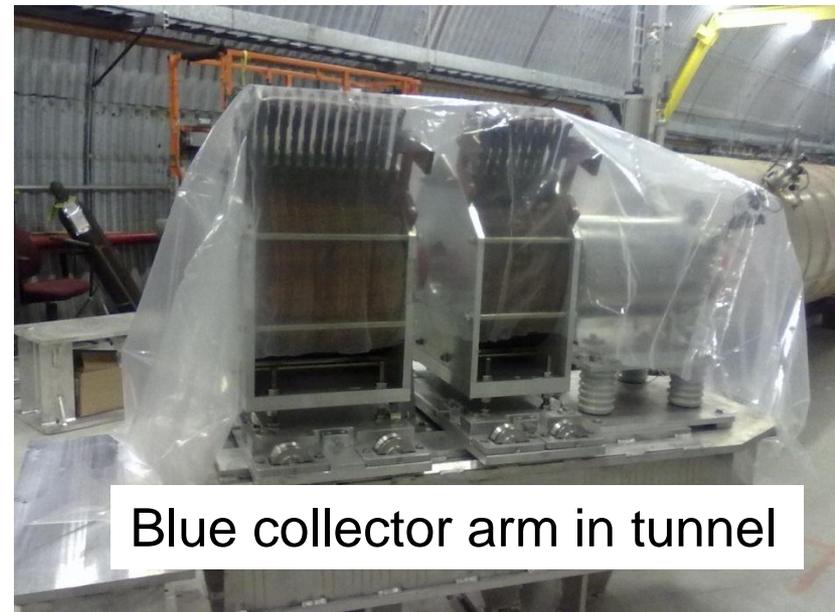
racks in 1010B



IR10



Blue collector arm in tunnel



Planned Date	Superconducting magnet #1 manufacturing (for Yellow e-lens)	Actual Date	Comments
10/26/12	cold mass installed into cryostat	10/26/12	
11/02/12	helium vent assembly installed	11/02/12	Hurrikane Sandy: Lab closed 10/29 and 10/30
11/09/12	inner heat shield installed	11/07/12	many employees without electricity at home still on 11/06/12
11/16/12	lead box and diode box cryostat and helium enclosure base plates welded		gas shortage about to prevent employees from coming to work
11/23/12	lead box and diode box inner enclosure and cryostat assemblies welded		Snow storm on 12/07/12, treacherous road conditions on 12/08/12
11/30/12	voltage tap wiring complete		
12/07/12	main coil, fringe field coil, anti-fringe field coil lead wiring complete		
12/14/12	corrector lead wiring complete		
12/21/12	final magnet welding started		
12/28/12	final magnet welding complete		
Planned Date	Warm parts manufacturing (Blue and Yellow e-lens)	Actual Date	Comments
10/26/12	BPM parts in welding	10/26/12	
11/02/12	Blue collector strongback complete	11/05/12	Hurrikane Sandy: Lab closed 10/29 and 10/30
11/09/12	start of BPM assembly		many employees without electricity at home still on 11/06/12
11/16/12	dismantle of test bench		gas shortage about to prevent employees from coming to work
11/23/12	complete Blue gun strongback, install Blue strongbacks		metal parts (for drift tubes) in NJ cannot be shipped through NYC right
11/30/12	BPM's complete		BNL Central Shop work about 1 week behind after Sandy
12/07/12	Y-pipes complete		Snow storm on 12/07/12, treacherous road conditions on 12/08/12
12/14/12	assemble main chamber heat sink/drift tube		
12/21/12	start main magnet assembly, complete yellow strongbacks		
12/28/12	install Yellow strongbacks		
Planned Date	Installation (Blue and Yellow e-lens)	Actual Date	Comments
11/02/12	Blue stands installed	expect 11/15/12	Hurrikane Sandy: Lab closed 10/29 and 10/30
11/09/12	IR and 1010B-to-tunnel tray complete	expect 11/14/12	many employees without electricity at home still on 11/06/12
11/16/12	Yellow stands installed		gas shortage about to prevent employees from coming to work
11/23/12			Snow storm on 12/07/12, treacherous road conditions on 12/08/12
11/30/12	1010B roof repair complete		
12/07/12	Warm solenoid interlocks installed		
12/14/12	Cable tray installation complete		
12/21/12	Cable pulls to warm solenoids complete		
12/28/12			
Planned Date	Cryo installation and controls (Blue and Yellow e-lens)	Actual Date	Comments
10/26/12	receive supply line	10/26/12	
11/09/12	PLC & instrument rack assembly	10/26/12	
11/16/12	cryo transfer line installation complete (except jumpers to solenoids)		Hurrikane Sandy: Lab closed 10/29 and 10/30
11/16/12	Indusoft database and HMI screens builds		many employees without electricity at home still on 11/06/12
11/20/12	process pipe return to warm return complete		gas shortage about to prevent employees from coming to work
11/20/12	flowmeter cabinets complete		Snow storm on 12/07/12, treacherous road conditions on 12/08/12
11/23/12	CRISP Quantum database and communications driver		
01/07/13	CRISP power lead currents database build and interfacing		
01/15/13	install weld return piping to header		requires installed magnet
01/15/13	install tubing from solenoid to flowmeter		requires installed magnet
01/15/13	Cable run to and terminations on solenoid		

Weekly milestones until year-end

<= installation is critical path (thank to PHENIX getting carpenter this afternoon)