

### Muon Campus Interface Milestones

Milestone Name	Responsibility	Impacts	Forecast	Target	Needed by	Actual
MC-1 Bldg Beneficial Occupancy for Cryo	MC-1 Building GPP	Cryo AIP	1/8/14	1/8/14	as soon as possible	1/8/2014
MC-1 Bldg Beneficial Occupancy for g-2 Ring	MC-1 Building GPP	g-2	4/10/14	2/18/14	as soon as possible	4/10/2014
End of Circulating Beam Studies	g-2, Mu2e	g-2, Mu2e, Delivery Ring AIP	4/25/14	4/1/14	6/30/14	4/25/2014
MC-1 Cryo Room Controls Available	MC-1 Building GPP	Cryo AIP	9/22/14	9/22/14	as soon as possible	6/6/2014
Cryo Compressor Cooling Established	MC Infrastructure GPP	Cryo AIP	9/30/14	9/30/14	10/31/14	8/15/2014
Cryo g-2 acceptance tests complete	Cryo AIP	lower-level milestone for g-2	10/24/14	10/24/14	as soon as possible	10/2/2014
Cryo Ready to Cool g-2	Cryo AIP	g-2	3/15/15	3/15/15	as soon as possible	11/30/2014
D30 Straight Section Ready for New Installation	g-2	Delivery Ring AIP	2/5/15	2/5/15	5/17/16	2/5/2015
MI-52 Bldg Extension Beneficial Occupancy	MC Infrastructure GPP	Beam Transport AIP	6/30/15	9/30/15	9/30/15	6/10/2015
Beamline Enclosure Beneficial Occupancy	Beamline Enclosure GPP	g-2	12/28/15	9/30/15	2/15/16	12/9/2015
Beam Transport Complete	Beam Transport AIP	g-2, Mu2e	7/31/16	2/1/16	3/31/17	
Recycler RF Complete	Recycler RF AIP	g-2, Mu2e	9/30/16	9/30/16	3/31/17	
Delivery Ring Complete	Delivery Ring AIP	g-2, Mu2e	9/30/16	9/30/16	3/31/17	
Shield Wall Installation	g-2	Mu2e	1/5/17	1/5/17	before g-2 running	
Cryo: Mu2e Distribution Box Cold	Cryo AIP	Mu2e	7/15/17	7/15/17	9/15/17	

Mu2e	_____	date	_____
g-2	_____		_____
MC-1 Building GPP	_____		_____
Beamline Enclosure GPP	_____		_____
MC Infrastructure GPP	_____		_____
Cryo AIP	_____		_____
Recycler RF AIP	_____		_____
Beam Transport AIP	_____		_____
Delivery Ring AIP	_____		_____
MC Program Coordinator	_____		_____

**Milestone Name**

MC-1 Bldg Beneficial Occupancy for Cryo  
MC-1 Bldg Beneficial Occupancy for g-2 Ring  
End of Circulating Beam Studies  
MC-1 Cryo Room Controls Available  
Cryo Compressor Cooling Established  
Cryo g-2 acceptance tests complete  
Cryo Ready to Cool g-2  
Beamline Enclosure Beneficial Occupancy  
MI-52 Bldg Extension Beneficial Occupancy  
Beam Transport Complete  
D30 Straight Section Ready for New Installation  
Recycler RF Complete  
Delivery Ring Complete  
Shield Wall Installation  
Cryo: Mu2e Distribution Box Cold

**Definition**

Cryo may begin installation in MC-1 building refrigerator room  
Beneficial occupancy of MC-1 high-bay  
g-2 and Mu2e studies in the Debuncher are complete  
Communication established to MC-1 refrigerator room  
Cooling water available to cryo compressors at A0  
Ready to commission cryo for g-2 using test box  
Cryo ready to cool the g-2 ring  
Beneficial occupancy of beamline enclosure; g-2 and Mu2e may begin installation of LCW piping  
Ready for installation of power supplies in MI-52 building extension  
Beam Transport AIP upgrades ready for commissioning with beam  
D30 straight section reconfigured to allow installation of M3, M4, DR injection and extraction  
Recycler RF ready for commissioning with beam; Delivery Ring RF cavities constructed  
Delivery Ring AIP upgrades ready for commissioning with beam  
Start date for M5 shield wall installation used to coordinate M4 shield wall installation  
Mu2e distribution box cooldown complete