

# March 2014 Preliminary Run Plan

Luke Myers

Hall A group meeting

March 5, 2014

# General Guideline/Order

March 11<sup>th</sup> – 28<sup>th</sup>

First 3 days for acc

Commission beamline components (BCM/Unser & BPM/Raster)

HRS and Moller commissioning

Cryotarget boiling studies

Test of 9th dipole mapper

Beam to Compton chicane

# Run Plan – Week 1

Mon Mar 10	Tue Mar 11	Wed Mar 12	Thu Mar 13	Fri Mar 14	Sat Mar 15	Sun Mar 16
-----	-----	Beam tuning	Beam tuning	Beam tuning	HRS check-out	HRS check-out
Cryotarget cool down	<ul style="list-style-type: none"> <li>▪ Pulsed beam</li> <li>▪ Target operator training</li> </ul>	<ul style="list-style-type: none"> <li>▪ Beam tuning</li> <li>▪ Target operator training</li> </ul>	<ul style="list-style-type: none"> <li>▪ Beam tuning</li> <li>▪ Target operator training</li> </ul>	<ul style="list-style-type: none"> <li>▪ CW beam to hall</li> <li>▪ Raster, BCM</li> </ul>	<ul style="list-style-type: none"> <li>▪ Raster, BCM</li> </ul>	HRS check-out
-----	Beam tuning	Beam tuning	Beam tuning	HRS check-out	HRS check-out	HRS check-out

## Goals:

- Tuned 5  $\mu$ A, CW beam
- Complete BCM, BPM, rasters, and Unser
- Begin HRS (w/ solid targets)

# Run Plan – Week 2

Mon Mar 17	Tue Mar 18	Wed Mar 19	Thu Mar 20	Fri Mar 21	Sat Mar 22	Sun Mar 23
Accelerator	Accelerator	Accelerator	Accelerator	Accelerator	Accelerator	Accelerator
Moller commission	Moller commission	HRS check-out	Moller commission	Moller commission	HRS optics	Moller commission
HRS check-out	HRS check-out	HRS check-out	HRS optics	HRS optics	HRS optics	HRS optics

## Goals:

- Complete Moller (at ~6 GeV only)
- Continue HRS
- Compton chicane, arc energy when possible

# Run Plan – Week 3

	Mon Mar 24	Tue Mar 25	Wed Mar 26	Thu Mar 27	Fri Mar 28
	Accelerator	Accelerator	Accelerator	Accelerator	Accelerator
	Moller commission	HRS calib yields	<ul style="list-style-type: none"> <li>▪Wire target</li> <li>▪Move cryo-target out of beam</li> </ul>	High current studies w/ target, HRS, & BCM	Pointing Survey
	HRS calib yields	HRS calib yields	HRS calib yields	High current studies w/ target, HRS, & BCM	

## Goals:

- Have HRS and BCM ready for boiling
- High-rate on cryotarget
- HRS angles