

Prepared by: A. Drees (A. Drees), Date: April 22, 2015

Reviewed by: Dana Beavis (D. Beavis), Date: 4/22/15

Approved by: Thomas Roser (T. Roser), Date: 4/23/15

RHIC RS Check-off List for proton-Gold (pAu) Operation at 100 GeV - FY15

LIMITS

1. _____ (LP) Yellow beam intensity is limited to 3.6×10^{11} Au ions at 100 GeV/u, blue beam intensity is limited to 3.3×10^{13} protons.

PREREQUISITES

2. _____ (RASC) RHIC yellow abort system ready for testing (Au at 100 GeV/beam). RASC limits number of bunches for yellow beam operation except for abort system testing until signed off here. Yellow abort system is now tested and ready for operation:
_____ (RASC) _____ date
3. _____ (LP) RHIC BLAM system configuration adjusted for Au beam operation in the yellow ring.
4. _____ (LP) RHIC beam current measuring devices are setup to measure proton beams (blue) and Au beams (yellow). Approved ASE limits applied.

RF CAVITY ITEMS

5. _____ (ACG) The test 9 MHz cavity (chose one):
is RS LOTOed off. _____ (yes/no)
interlocks have been tested _____ (yes/no)
6. _____ (IG) A chipmunk and readout are in place for the 9 MHz test cavity.
7. _____ (CeCLP) CeCPoP changes impacting RS are described to the RSCC.
8. _____ (RSCC) Changes to CeCPoP reviewed and approved or RS LOTOed off.

READINESS FOR BEAM IN RHIC:

9. _____ (LP) Collider ready for proton beams (blue) and Au beams (yellow). Restrictions apply (see items 2 above and 11 below).
10. _____ (OC) Checklist complete with exception of item 11 below.
11. _____ (RASC) Item 2 is signed off. Abort system is commissioned, no special restrictions apply to RHIC operation with Au beam at 100 GeV in the yellow ring.

When this Check-Off List is complete RHIC can be operated with proton beams in the blue and Au beams in the yellow ring.

TABLE 1. KEY

ACG	Access Controls Group Representative	J. Reich (or designee)
CeCLP	CeCPoP Liaison Physicist	I. Pinayev
IG	Instrumentation Group representative	T. Curcio or designee
LP	Liaison Physicist	A. Drees
OC	MCR Operations Coordinator	
MCRGL	MCR Operations Group Leader	P. Ingrassia
RASC	RHIC Abort System Commissioner	C. Montag
RSCC	Radiation Safety Committee Chair	D. Beavis