

Injector Status

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Time Meeting

Injector Status

- RHIC switched to 31 GeV/A last Friday. RHIC intensity limit is $1.7E11$ /bunch for deuterons, and $2.2E9$ /bunch for gold. The typical achievable deuteron intensity is $2.5E11$ /bunch. The highest achieved was $3E11$ /bunch.
- The deuteron bunch length has been extended over the weekend to meet RHIC requirement. We pay close attention to the bunch length now.
- We will start looking the beam requirement for CeC commissioning, namely low intensity but short bunch length. Some bunch merges can be eliminated to reduce the final bunch length.
- We would like to check the transverse emittance of proton beam in the AGS before the end of the run. To accommodate various requirements, it will happen after RHIC operation is over, June 27-29.

Bunches at AGS Extraction for Fill 19969

RemoteScope
Help

Scope Name	User	Session Start
MCR_01	zeno	May 16 13:17
MCR_02	kling	May 23 10:04
MCR_03	zeno	May 19 14:19
MCR_04	kling	May 20 10:32
MCR_05		
MCR_06	zeno	May 19 14:19
MCR_FAST_07	zeno	May 19 13:38
MCR_FAST_08		
MCR_FAST_09		

Signals

Ch 1: axi.g5.wcm(2)

Ch 2: AXI.I_MAG_GTR_A17

Ch 3: AXI.BPM.A02H_0204

Ch 4: AXI.F15_IXFMR_NORM

Trigger

Machine: AGS

Start: AGS To

Clock: Realtime

Delay: 9900000 usec

PPM Users:

2

3

4

5

Cycles:

First

Second

Third

Fourth

LeCroy WR104MXi-A
Zoom Undo

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help

C1 DCSD **M1**

1.00 V/div 900 mV/div

3.040 V ofst 20.0 ns/div

Timebase 10.8 ns Trigger C1 D0

20.0 ns/div Normal -1.00 V

2.00 kS 10 GS/s Qualified Pos

Waiting for Trigger 5/23/2016 6:00:29 PM

Setup file /operations/app_store/ElogServer/tmpFiles/RemoteScope.1464029314.88080766 successfully saved.

Setup file /operations/app_store/ElogServer/tmpFiles/RemoteScope.1464029315.88080766 successfully saved.

Setup file /operations/app_store/ElogServer/tmpFiles/RemoteScope.1464040217.88080766 successfully saved.

Setup file /operations/app_store/ElogServer/tmpFiles/RemoteScope.1464040221.88080766 successfully saved.

Yellow: Gold; pink: deuteron₃ scaled with 0.9