

# Injector Status

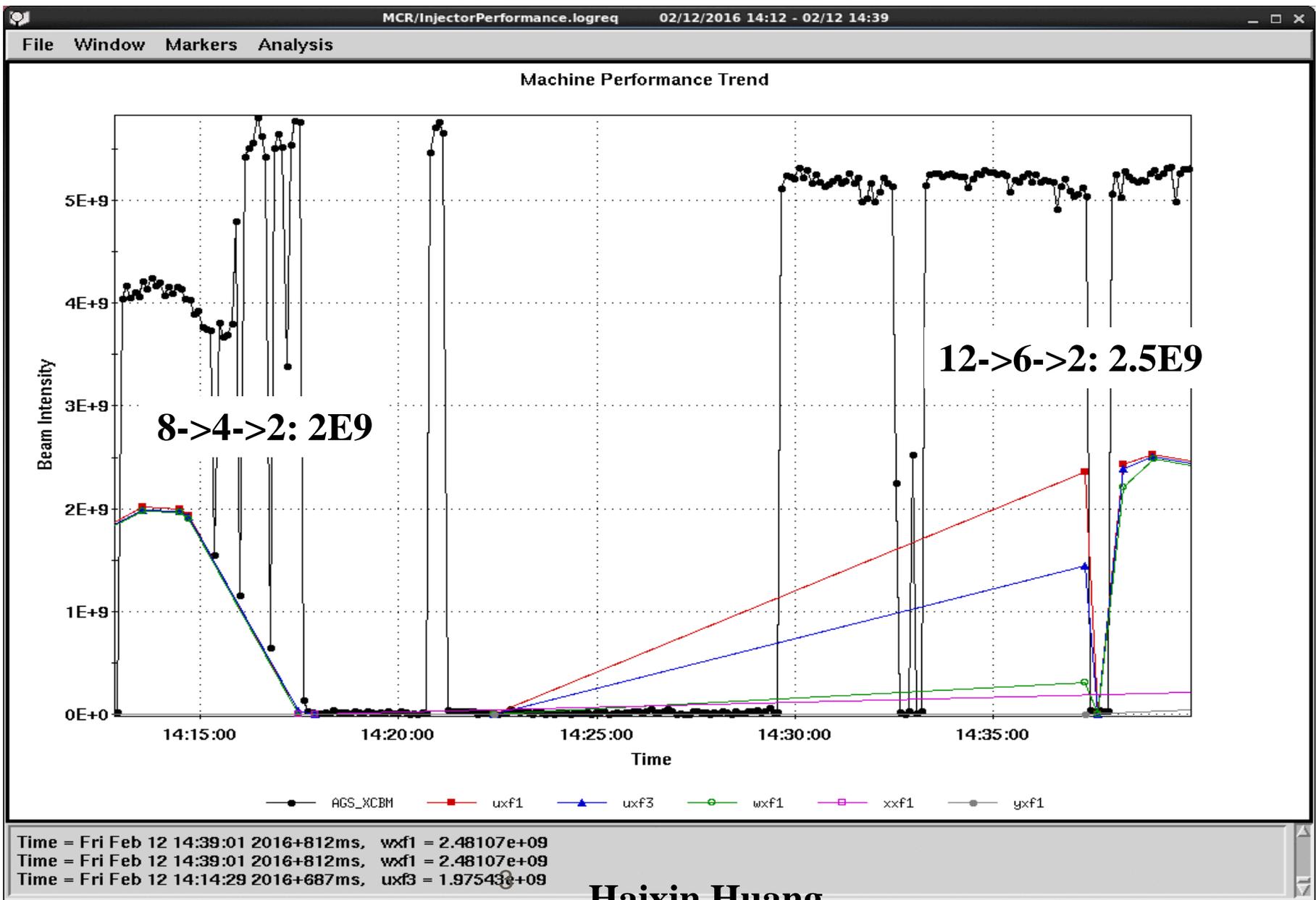
Haixin Huang

Feb. 16, 2016  
Time Meeting

# Injector Status

- 8->4->2 merge: Highest bunch intensity is about  $2.1E9$ /bunch. Longitudinal emittance is about  $0.6eVs$ . Currently, this setup is used for RHIC injection.
- 12->6->2 merge (AGS user5): It runs with 6.4 sec super cycle (compared to nominal 5.4sec, 19% increase of filling time). Bunch intensity  $2.6E9$ . The emittance is  $0.65eVs$ . Green synchro extraction setup is done.
- Polarized proton setup in the injectors is coming. AGS cold snake helium has been refilled today. Polarimeter target installation is scheduled for tomorrow. The pp setup is likely starting on Feb. 25, after 200MeV linac is ready.
- Booster Main Magnet PS tripped a few times over the weekend. It was traced to a bad switch and has been replaced.

# Bunch Intensity at Uline Flags



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# Bunch Comparison at AGS Extraction

RemoteScope

Setup Scope Signal Trigger Diagnostics Help

Scope Name	User	Session Start
MCR_01	zeno	Feb 9 12:51
MCR_02		
MCR_03	yuhongz	Feb 4 10:34
MCR_04		
MCR_05	yuhongz	Feb 11 11:20
MCR_06	yuhongz	Feb 10 12:55
<b>MCR_FAST_07</b>	<b>yuhongz</b>	<b>Feb 11 11:22</b>
MCR_FAST_08	marr	Feb 12 10:54
MCR_FAST_09	zeno	Feb 11 19:57

Signals

Ch 1: axi.g5.wcm(2)  
Ch 2: axi.a5.kicker.i  
Ch 3: axi.a3.pue.in  
Ch 4: axi.a3.pue.out

Trigger

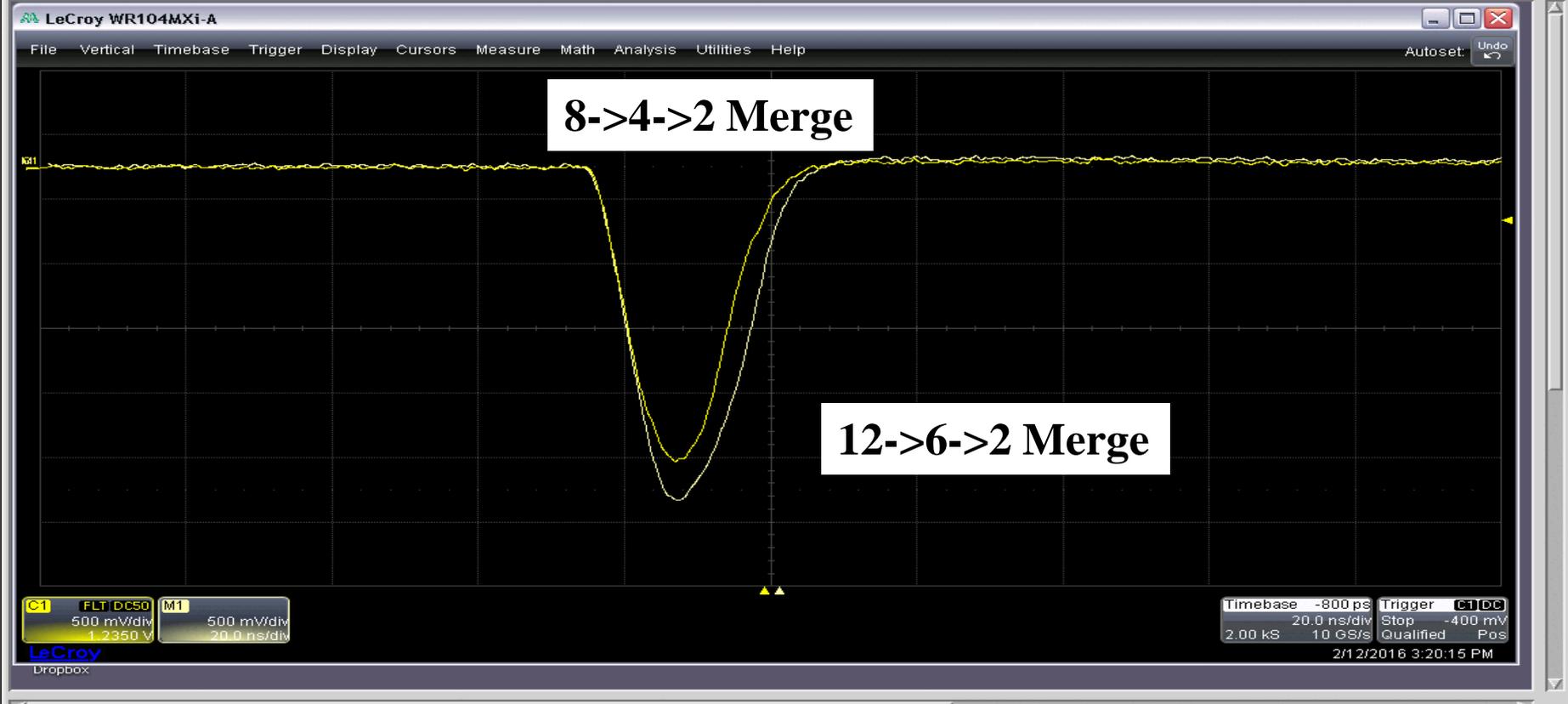
Machine: AGS  
Start: AGS T0  
Clock: Realtime  
Delay: 3200000 usec

PPM Users:

1  
2  
3  
4

Cycles:

First  
Second  
Third  
Fourth



Setup file /operations/app\_store/ElogServer/tmpFiles/RemoteScope.1455304577.65012094 successfully saved.  
Setup file /operations/app\_store/ElogServer/tmpFiles/RemoteScope.1455304599.65012094 successfully saved.  
Setup file /operations/app\_store/ElogServer/tmpFiles/RemoteScope.1455304581.65012094 successfully saved.  
Setup file /operations/app\_store/ElogServer/tmpFiles/RemoteScope.1455308054.65012094 successfully saved.

Haijin Huang