Run 10 Status

http://www.cadops.bnl.gov/AP/RHIC2010/

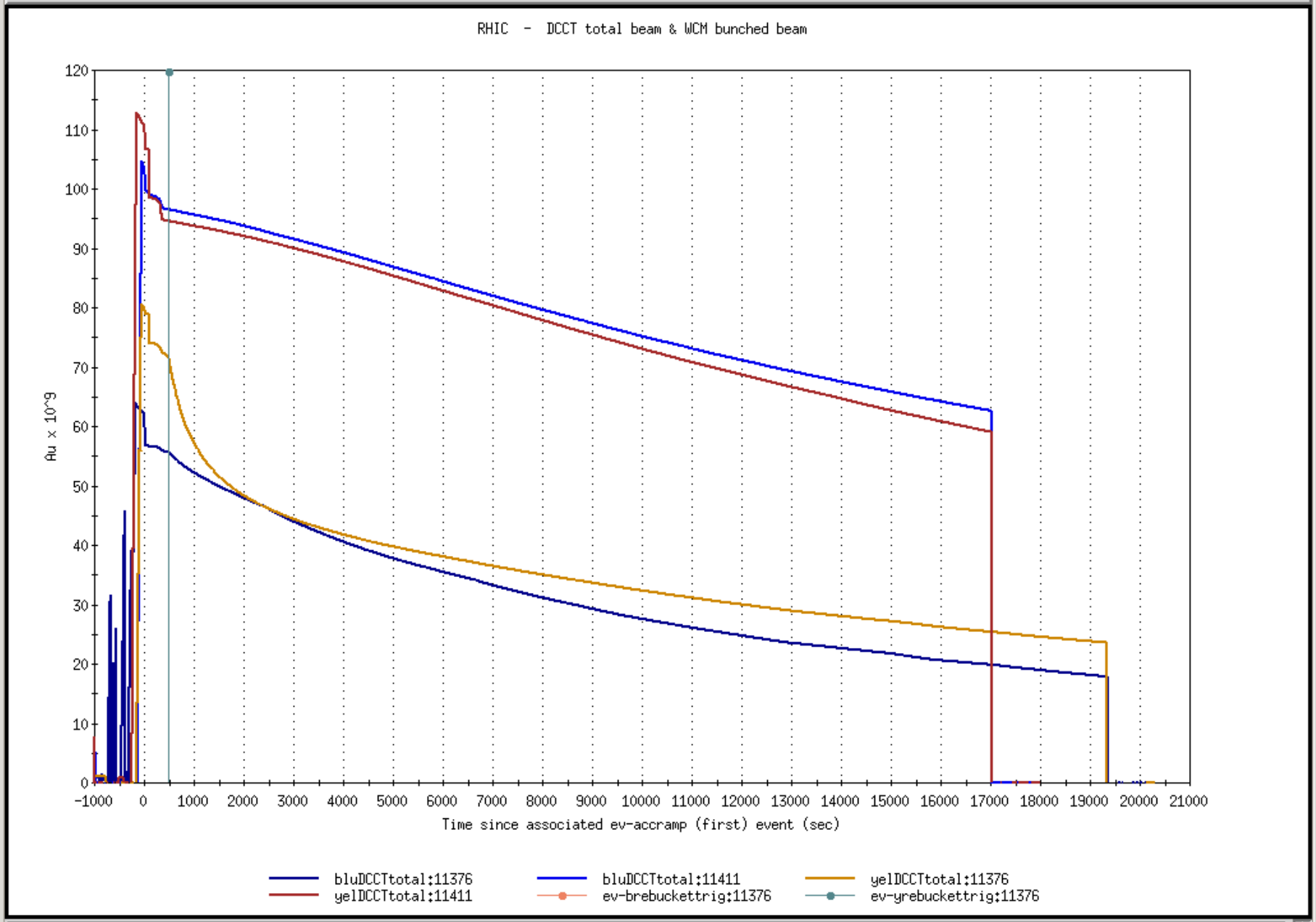
http://www.cadops.bnl.gov/AP/RHIC2010/

Status

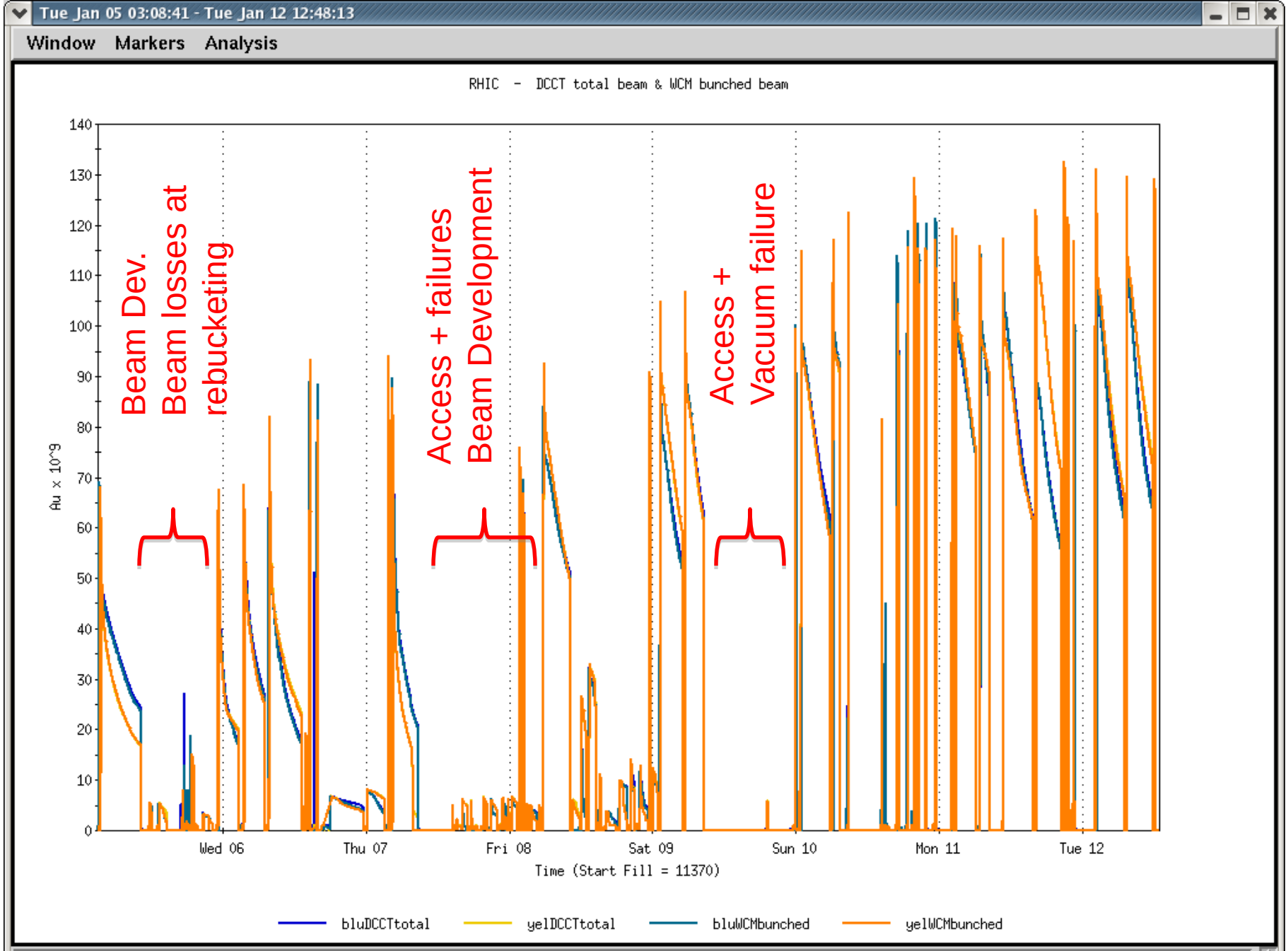
- Running with 111x111, 1.1e9 ions/bunch
  - Still without rebucketing
- Working on increasing intensity/bunch
  - Looking to get >1.2e9 ions/bunch
- Stochastic cooling commissioning
  - Focusing on Yellow Transverse (vertical)
  - Yellow longitudinal – vacuum problem

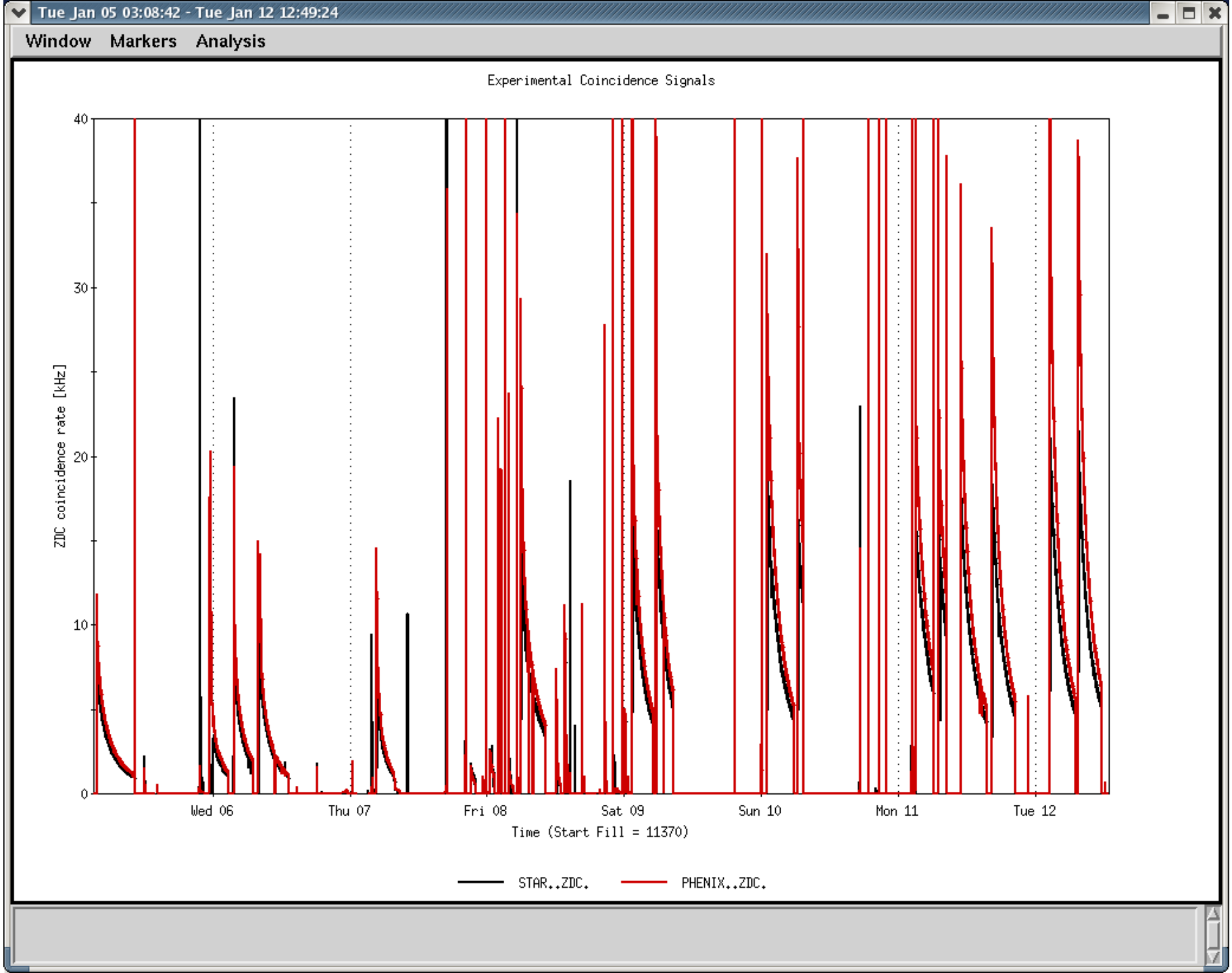
Wed Jan 06 07:28:44 - Sun Jan 10 05:54:59

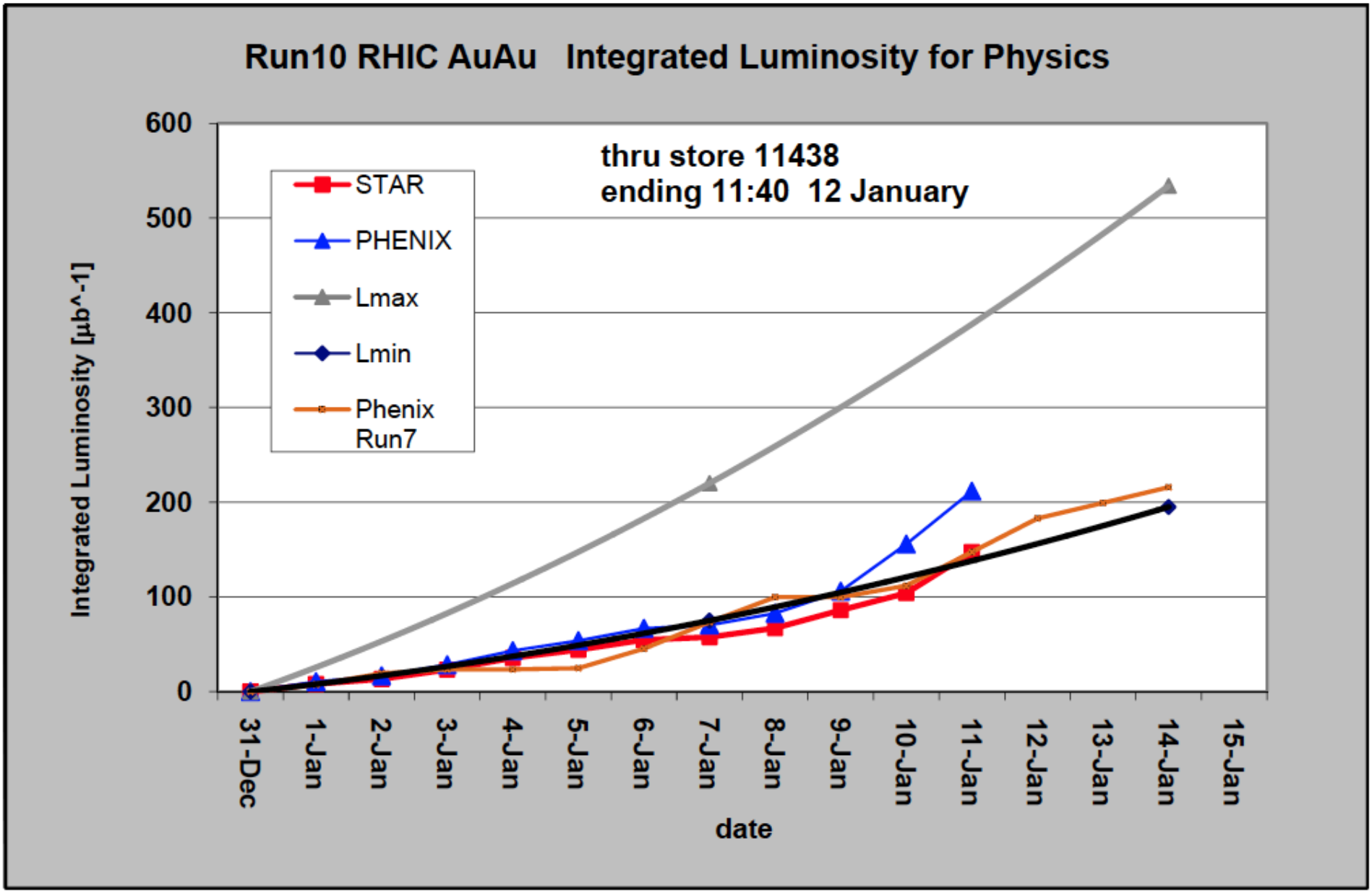
Window Markers Analysis



Adding ramp event markers...


Tue Jan 05 03:08:41 - Tue Jan 12 12:48:13
Window
Markers
Analysis
RHIC - DCCT total beam & WCM bunched beam
Au x 10^9
Time (Start Fill = 11370)
Wed 06
Thu 07
Fri 08
Sat 09
Sun 10
Mon 11
Tue 12
Beam Dev.
Beam losses at rebucketing
Access + failures
Beam Development
Access +
Vacuum failure
bluDCCTtotal
yelDCCTtotal
bluWCMbunched
yelWCMbunched


Tue Jan 05 03:08:42 - Tue Jan 12 12:49:24
Window
Markers
Analysis
Experimental Coincidence Signals
ZDC coincidence rate [kHz]
40
30
20
10
0
Wed 06
Thu 07
Fri 08
Sat 09
Sun 10
Mon 11
Tue 12
Time (Start Fill = 11370)
STAR..ZDC.
PHENIX..ZDC.


Run10 RHIC AuAu Integrated Luminosity for Physics
thru store 11438
ending 11:40 12 January
STAR
PHENIX
Lmax
Lmin
Phenix Run7
Integrated Luminosity [μb^-1]
600
500
400
300
200
100
0
31-Dec
1-Jan
2-Jan
3-Jan
4-Jan
5-Jan
6-Jan
7-Jan
8-Jan
9-Jan
10-Jan
11-Jan
12-Jan
13-Jan
14-Jan
15-Jan
date

Priorities

1. Run Physics
   - Raise intensity/bunch if possible
   - Improve any losses (yellow transition)
   - Keep backgrounds minimized
2. Stochastic Cooling commissioning
3. Getting Rebucketing working at high int.