

AGS/Booster Status

Haixin Huang

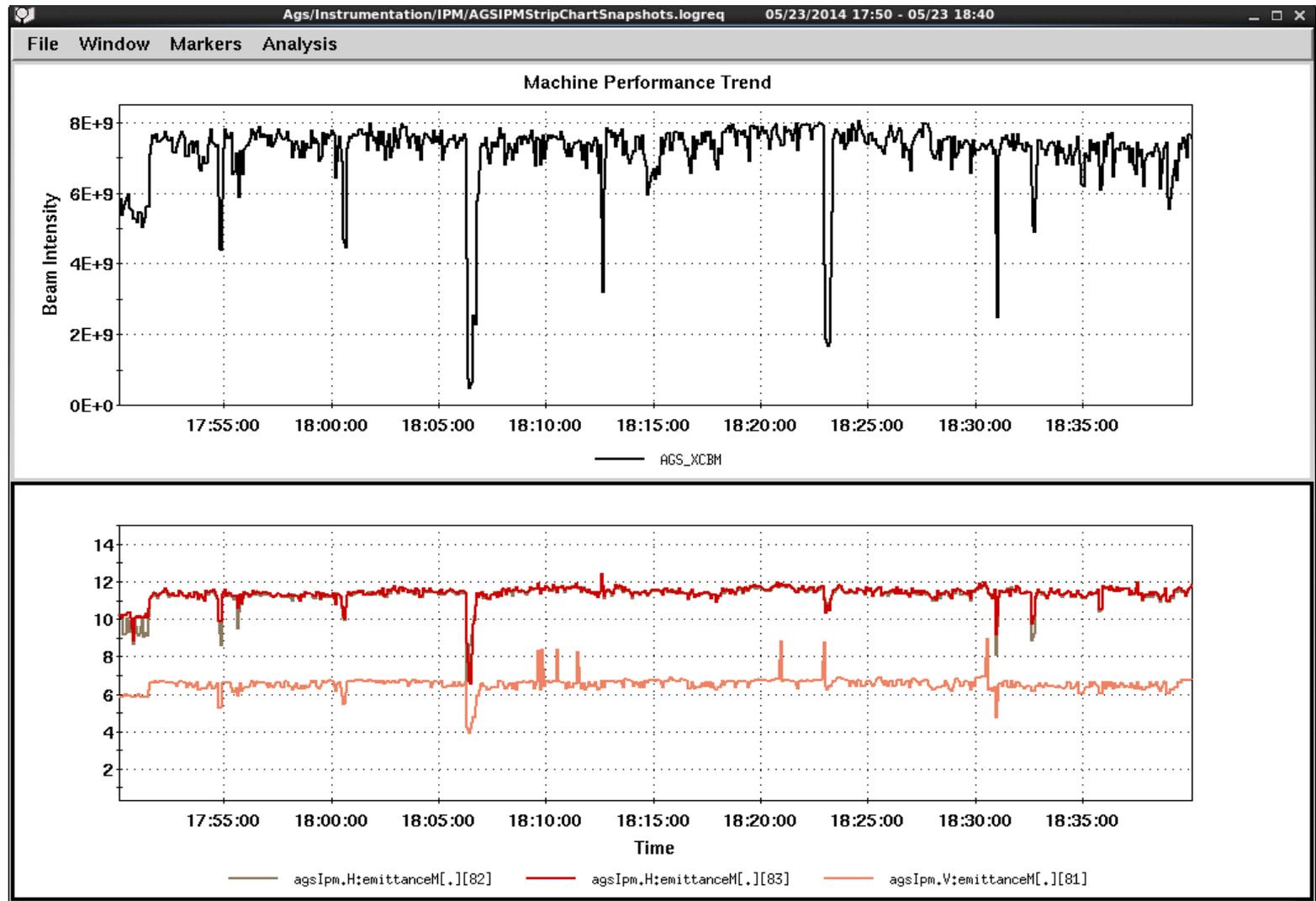
May 27, 2014
Time Meeting

Status

- The He3 bunch merge setup finished just before the power dip last Friday7. In four days, the bunch merge has been accomplished in the AGS by Keith and Kip with help from RF group. Keith suggested and implemented 12->4->2 merge. The bunch intensity has reached $3.8-3.9 \times 10^{10}$. The emittance is about 11pi in horizontal and 6pi in vertical as reported by IPM.
- This exercise really is worthwhile, as we will have both Au and Helion ready for RHIC fill. We also learned impact on Au intensity when switching species at EBIS source.
- We continue to take polarization profile measurements last week in overnight shifts.
- In the remaining time, our focus will be eIPM. The plan is to run both vertical and horizontal ones at injection for TBT measurement, beta function measurements at the eIPM locations.

AGS He3 Intensity and Emittance

Top plot is intensity, bottom is emittance in both planes.



Time = Fri May 23 18:26:21 2014+93ms, agslpm.V:emittanceM[.][81] = 6.7303
Time = Fri May 23 18:33:21 2014+93ms, agslpm.V:emittanceM[.][81] = 6.46368
Time = Fri May 23 18:35:42 2014+843ms, agslpm.V:emittanceM[.][81] = 6.43968

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