## **RHIC** status

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#### RHIC status

- Physics goals were achieved for five (31.2, 9.8, 19.5, 13.5, 7.3 GeV) out of 6 FXT energies. FXT at 5.75 GeV is scheduled this Thursday 9am to Friday.
- Baseline configuration for 4.59 GeV collision has been established, with cooling operational, beta squeeze during store and high bunch intensity (4->1 merge in AGS).
- RHIC is back to top performance for collision at 5.75 GeV.





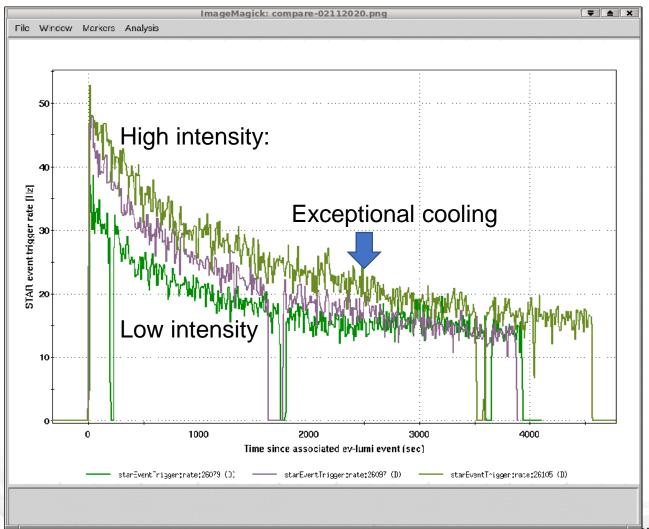
# Configuration for 4.6 GeV collision

- LEReC cooling has been operational with high CW current, high up-time. Operation crew can work on cooling optimization.
- Beta squeeze bring the beta function at IP6 from 4.5 m down to 3.5 m with background under control by collimator adjustments.
- Vertex longitudinal shift was reduced from 50 cm to 25 cm.
- The abort gap has been aligned at IP6.
- The working point (~0.12) has been explored and we settled at ~0.23.
- The bunch intensity is about 1.4E9 with 4->1 merge in AGS.





### **Comparison #1**





### **Comparison #2**

