

Data production for Sti versus Sti+CA evaluation.

The task to reevaluate Sti+CA has been formulated in <https://drupal.star.bnl.gov/STAR/system/files/TFG-actionplan-withcomments.pdf>

The status:

1. New Root version 5.34.30 (aka 5.34.30a_2) with Vc support and gcc 4.8.2 has been installed (Aug 18, 2015)
2. Sti+CA version has been installed as release DEV2/SL15 (Sep 10, 2015) from git repository /afs/rhic.bnl.gov/star/packages/.DEV2
3. Reference release for 2014 AuAu200 (days 89 mid+HFT and 94 high-HFT) sample is taken as SL15i.
4. Reference release for 2013 pp510 W (days 74-76) sample is taken as SL15j.
5. It has been started data samples production using above releases. In the productions *event.root files with all hits are kept in order to provide Track-By-Track comparison between the productions.

Table 1 Data production status

Sample	2014 AuAu200 Sti	2014 AuAu200 Sti+CA	2013 pp510 Sti	2013 pp510 Sti+CA	MC 2014 AuAu200 Sti	MC 2014 AuAu200 Sti+CA	MC 2013 pp510 Sti	MC 2013 pp51 Sti+C
Events	0.76 M	0.48 M						
Disk	subsys/tpc 4 TB	subsys/tpc 2.8 TB	Pwg_task ~5TB	Pwg_task ~5 TB				