

## WBS 1.6 Software

**Run14 commissioning and Cosmic Runs:** The group is getting the software ready for Run14, which is about to start in a few days.

- With all subsystems installed in STAR detector readout tests and cosmic data taking for calibration have begun, checking at the same time the full acquisition chain.
- The calibration database structures are finalized and filled with configuration data.
- QA [online and offline] for subsystem but also inter-detector monitoring is mostly in place and functioning.
- Integration issues have been addressed as needed.
- We have successfully reconstructed cosmic events with all HFT system in the data stream. In the figure below we can see one cosmic event as it penetrates the IST [red] and PIXEL [blue] sensors. The white dots are the reconstructed hits. The SSD is not shown.
- Calibration work [bad pixel masking and alignment] has begun.

