



Contribution ID: 212

Type: **Plenary**

STAR's GRID Production Framework

Wednesday, September 27, 2017 11:30 AM (30 minutes)

STAR's RHIC computing facility provides over 15K dedicated slots for data reconstruction. However this number of slots is not always sufficient to satisfy an ambitious and data challenging Physics program and harvesting resources from outside facilities is paramount to scientific success. However, constraints of remote sites (CPU time limit) do not always provide the flexibility of a dedicated farm. Though, experiments like STAR have a breadth of smaller datasets (both in Runtime and size) that can be easily offloaded to remote facilities. Scavenged resources optimizes local efficiency and contributes additional computing time to an experiment that runs every year and therefor needs fast turnaround. We will discuss STAR's software stack of our GRID production framework including features dealing with multi-site submission, automated re-submission, job tracking as well as new challenges and possible improvements.

Primary author: Mr HAJDU, Levente (BNL)

Co-authors: KUZNETSOV, Evgeniy (JINR LIT); LAURET, Jerome (BNL); DIDENKO, Lidia (BNL); MITSYN, Valery (JINR); BETTS, Wayne (BNL); Prof. PANEBRATTSEV, Yury (JINR)

Presenter: Mr HAJDU, Levente (BNL)

Session Classification: Plenary