

# Mixing HTC and HPC Workloads With HTCCondor and Slurm

*Thursday, 13 October 2016 15:00 (15 minutes)*

Traditionally, the RHIC/ATLAS Computing Facility (RACF) at Brookhaven National Laboratory has only maintained High Throughput Computing (HTC) resources for our HEP/NP user community. We've been using HTCCondor as our batch system for many years, as this software is particularly well suited for managing HTC processor farm resources. Recently, the RACF has also begun to design/administrate some High Performance Computing (HPC) systems for a multidisciplinary user community at BNL. In this presentation, we'll discuss our experiences using HTCCondor and Slurm in an HPC context, and our facility's attempts to allow our HTC and HPC processing farms/clusters to make opportunistic use of each other's computing resources.

## Primary Keyword (Mandatory)

Computing facilities

## Secondary Keyword (Optional)

## Tertiary Keyword (Optional)

**Primary author:** HOLLOWELL, Christopher (Brookhaven National Laboratory)

**Co-authors:** ZAYTSEV, Alexandr (Brookhaven National Laboratory (US)); WONG, Antonio (Brookhaven National Laboratory (US)); CARAMARCU, Costin (Brookhaven National Laboratory (US)); BARNETT, Joshua (Brookhaven National Laboratory); STRECKER-KELLOGG, William (Brookhaven National Lab)

**Presenter:** HOLLOWELL, Christopher (Brookhaven National Laboratory)

**Session Classification:** Track 6: Infrastructures

**Track Classification:** Track 6: Infrastructures