



Contribution ID: 11

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## Operations and Monitoring of the CMS HTCondor pools

*Thursday, 23 September 2021 15:30 (30 minutes)*

The CMS Submission Infrastructure team manages a set of HTCondor pools to provide the vast amount of computing resources that are required by CMS to perform tasks like data processing, simulation and analysis. A set of tools that enables automation of regular tasks and maintenance of the key components of the infrastructure has been introduced and refined over the years, allowing the successful operation of this infrastructure. In parallel, a complex monitoring system that includes status dashboards and alarms have been developed, enabling this effort to be performed with minimal human intervention. This contribution will describe our technology and implementation choices, how we monitor the performance of our pools in diverse critical dimensions, and how we react to the alarms and thresholds we have configured.

### Desired slot length

### Speaker release

Yes

**Primary authors:** PEREZ-CALERO YZQUIERDO, Antonio (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas); MASCHERONI, Marco (Univ. of California San Diego (US)); HALEEM, Saqib (National Centre for Physics (PK))

**Presenter:** HALEEM, Saqib (National Centre for Physics (PK))

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