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## HPC backfill with HTCondor at CERN

*Thursday, September 24, 2020 5:20 PM (20 minutes)*

The bulk of computing at CERN consists of embarrassingly parallel HTC use cases (Jones, Fernandez-Alvarez et al), however for MPI applications for e.g. Accelerator Physics and Engineering, a dedicated HPC cluster running SLURM is used.

In order to optimize utilization of the HPC cluster, idle nodes in SLURM cluster are backfilled with Grid HTC workloads. This talk will detail the CondorCE setup that enables backfill to the SLURM HPC cluster with pre-emptable Grid jobs.

### Desired slot length

15

### Speaker release

Yes

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**Session Classification:** Workshop session

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