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Enabling HPC systems for HEP: the INFN-CINECA experience

Thursday, 25 March 2021 15:00 (30 minutes)

We want to report about a successful integration exercise between CINECA (PRACE Tier-0) Marconi KNL system and LHC processing.
A production-level system has been deployed using a 30 Mhours grant from the 18th Call for PRACE Project Access; this has needed modifications at multiple levels: experiments' WMS layers, site level access policies and routing, virtualization.
The success of the integration process paves the way to integration with additional local systems, and in general shows how the requirements of a HPC center can coexist with the needs from data intensive, complex distributed workflows.

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