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Benchmark interactive analysis at future colliders

The challenges expected for the future colliders era are pushing to re think the HEP computing models at many levels.
A simple use case tested on the INFN analysis facility will be presented in the context of WP5, exploiting FCCee simulations.
The presented work will provide an overview of the main technologies involved and will describe the results of a first benchmark using IDEA detector concept.
One of the advantages of the above use case is the possibility to use it as a simple test for all the users willing to benefit from the WP5 infrastructure. Several metrics, from event throughput to resource consumption, will be shown to assess the reliability of the workflow using resources hosted at the INFN distributed analysis facility, in the framework of the thematic spoke "Fundamental Research and Space Economy"of the National Centre on HPC, Big Data and Quantum Computing (ICSC) project.

Giorno preferito

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Primary author: D'ONOFRIO, Adelina (Istituto Nazionale di Fisica Nucleare)

Presenter: D'ONOFRIO, Adelina (Istituto Nazionale di Fisica Nucleare)