



Contribution ID: 12

Type: **Presentation**

The Data Intensive ANALysis (DIANA/HEP) project

Tuesday 15 September 2015 15:10 (20 minutes)

This presentation will introduce the Data Intensive ANALysis (DIANA/HEP) project. The primary goal of DIANA/HEP is to develop state-of-the-art tools for experiments which acquire, reduce, and analyze petabytes of data. Improving performance, interoperability, and collaborative tools through modifications and additions to ROOT, its ecosystem and other packages broadly used by the community will allow users to more fully exploit the data being acquired at CERN’s Large Hadron Collider (LHC) and other facilities.

As part of the U.S. National Science Foundation (NSF) Software Infrastructure for Sustained Innovation (SI2) program, DIANA is concerned with the overarching goal of transforming innovations in research and education into sustained software resources that are an integral part of the cyberinfrastructure. Up-to-date information on the project can on the project website (<http://diana-hep.org>).

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Session Classification: Presentations

Track Classification: Presentations