



Contribution ID: 57

Type: **not specified**

# N dimensional analysis pipeline for ALICE

*Wednesday, 12 September 2018 17:30 (10 minutes)*

We are going to present the N-dimensional analysis pipeline of the ALICE experiment, including creation of materialized views, n-dimensional histogramming package, statistical maps extraction, local regression and optimizer of physical models.

Besides we will demonstrate how the pipeline can be interfaced to the TMVA package.

We will show multiple examples of the pipeline usage in the ALICE QA, calibration and performance parametrization monitoring.

**Primary authors:** IVANOV, Marian (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE)); RUMYANTSEV, Boris (Joint Institute for Nuclear Research (RU))

**Presenter:** IVANOV, Marian (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

**Session Classification:** Experiments Perspective

**Track Classification:** Presentations