Contribution ID: **4**   Type: **Talk**

Towards high-level data analysis with open-source tools in H.E.S.S.

Wednesday, 20 March 2019 11:30 (30 minutes)

An overview of past and current efforts to establish high-level data analysis with open-source tools (i.e. *Gammapy* or *ctools*) for the H.E.S.S. experiment will be presented. A focus will be given to ongoing work about the validation of these tools on public H.E.S.S. data (see https://www.mpi-hd.mpg.de/hfm/HESS/pages/dl3-dr1), as well as to the exploration of a 3D likelihood analysis technique. The latter requires a model template for the residual hadronic background; an attempt at the creation of such a model from archival H.E.S.S. data will be outlined.

Primary author: MOHRMANN, Lars (Universität Erlangen-Nürnberg)

Presenter: MOHRMANN, Lars (Universität Erlangen-Nürnberg)

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