



Contribution ID : 247

Type : **Poster**

The GNA software for performing neutrino oscillation analysis

Tuesday, 22 October 2024 17:05 (115)

Currently, there is a wide variety of different neutrino oscillation experiments which collect data of neutrino interactions before and after their oscillations. To process and analyze these data it is necessary to have a reliable and highly efficient computing software. GNA (Global Neutrino analysis) is a software developed at JINR to carry out neutrino oscillation analysis of various experiments such as reactor, accelerator, atmospheric, and solar ones. It has been actively developing to provide global fit of data taken from different types of experiments. This poster will show in details the features and benefits of using the GNA software to perform neutrino oscillation analysis.

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Session Classification : Poster session

Track Classification : Neutrino physics