

Implementation of CL's method within GNA

Friday, 15 October 2021 11:30 (15 minutes)

CL's one of the statistical method to explore the physics beyond the Standard Model. This method was used to set lower bounds on the Higgs boson mass. In neutrino physics, it could be used to estimate bounds of parameters of neutrino oscillations.

The base for realization CL's method is Global Neutrino Analysis (GNA) framework, developed in JINR, Dubna. The main result of my work is a module of the GNA to make CL's analysis with different experiments. This method will be used to estimate a region of physical value of sterile neutrino oscillations.

Primary author: ЗАВАДСКИЙ, Виталий (студент)

Presenter: ЗАВАДСКИЙ, Виталий (студент)

Session Classification: High energy physics

Track Classification: High Energy Physics