

Search for neutrino transitions to sterile states using intense beta source

Wednesday, 12 October 2016 15:30 (30)

We present β -spectra calculations for two ^{144}Pr decay branches which are needed to obtain antineutrino spectrum of ^{144}Ce - ^{144}Pr source that will be used in SOX experiment. We analyze the factors that affect on beta spectrum, give their calculation methods and compare the calculations with experiment.

Primary author(s): ORALBAEV, Aldiyar (Kurchatov institute); Prof. SKOROKHVATOV, Mikhail (MEPhI/NRC KI); Mr. TITOV, Oleg (NRC "Kurchatov Institute")

Presenter(s): Mr. TITOV, Oleg (NRC "Kurchatov Institute")

Session Classification: Poster session - III

Track Classification: Nuclear physics and particle physics