10th International Conference on New Frontiers in Physics (ICNFP 2021)



Contribution ID: 303 Type: Talk

Status and prospects for sterile neutrino searches at very short base line reactor experiments.

Thursday, 2 September 2021 18:00 (30 minutes)

The status of experimental hints for sterile neutrinos is discussed. In particular, a critical analysis is presented of the Neutrino-4 claim of the observation of sterile neutrinos with a very large difference in the mass square with the known neutrinos. The consequences of the new measurements at Kurchatov Institute of beta spectra from 235U and 239Pu isotopes undergoing thermal-neutron-induced fission are discussed. The advantages and disadvantages of different experiments searching for sterile neutrinos are compared.

Is this abstract from experiment?

Nο

Name of experiment and experimental site

N/A

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

No

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