



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  $^{235}\text{U}$  and  $^{239}\text{Pu}$  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?

No

### 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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**Session Classification:** Interdisciplinary session