



Contribution ID: 293

Type: Poster

DANSS Experiment around the Five Year Milestone.

Tuesday 7 September 2021 19:02 (1 minute)

DANSS detector is composed of plastic scintillator and takes full advantages of its unique location directly below a commercial reactor core. The ability to change the distance to the antineutrino source by means of a lifting platform makes DANSS an ideal apparatus for sterile neutrino searches, while the fine segmentation of the sensitive volume provides an extremely clean separation of the inverse beta decay process.

Revised approach to the calibration procedure improved the confidence in the energy scale, while numerous refinements in the Monte-Carlo simulations led to much closer agreement between the experiment and the model.

The results of the five year data taking will be presented, including the latest estimates for the exclusion area of the sterile neutrino parameters.

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Session Classification: Poster Session II

Track Classification: Neutrino physics