

Status of the SOX project

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Recent data of reactor neutrino experiments give a hint for anomalously low antineutrino flux at short distances. A possible explanation of this anomaly is the presence of sterile neutrinos. SOX project is based on the idea of placing a neutrino source close to a large volume detector in order to look for the flux suppression and the oscillation pattern inside the detector volume. In this project a ~ 100 kCi ^{144}Ce - ^{144}Pr source is intended to be placed under the Borexino detector.

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