

Aspects of Neutrino Tomography of the Earth

mercredi 5 juillet 2023 16:30 (25 minutes)

Aspects of the theory of neutrino oscillation tomography of the Earth will be considered.

The sensitivity of the ORCA detector to deviations of the Earth

i) outer core (OC) density, ii) inner core (IC) density, iii) total core density, and iv) mantle density, from their respective PREM densities will be discussed.

Auteur principal: Prof. PETCOV, Serguey (INFN/SISSA, Trieste, Italy)

Orateur: Prof. PETCOV, Serguey (INFN/SISSA, Trieste, Italy)

Classification de Session: Open questions in the study of Earth's mantle and core