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## Neutrino Tomography of the Earth with IceCube

*vendredi 16 mars 2018 09:15 (15 minutes)*

The structure of the earth interior and in particular the earth's core is still a big puzzle. Propagation of seismic waves allow us to infer properties of the mantle and the superficial layers, but the core and the inner core remain almost unmeasured directly. In this talk I will show the first sensitive neutrino earth tomography result using one year of IceCube atmospheric neutrinos data.

### Summary

**Auteurs principaux:** Dr SALVADO, Jordi (ICCUB); Dr PALOMARES, Sergio (IFIC); Prof. DONINI, Andrea (IFIC)

**Orateur:** Dr SALVADO, Jordi (ICCUB)

**Classification de Session:** Friday morning: Neutrinos (ter)