

**Lundi 11 mai 11h00**

CEA-Saclay Bât 141, salle André Berthelot

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# OPERA : hunting for the tau !

ANDREA LONGHIN

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The year 2008 can be considered the first real physics run for OPERA. The CNGS provided the experiment with about  $1.8 \cdot 10^{19}$  protons on target allowing the first sizable sample of neutrino interactions to be collected. This talk will review the experiment motivations, its physics potential and will describe in detail the huge experimental effort which is ongoing in order to give the first evidence for the appearance of  $\nu$  tau neutrinos. Finally future perspectives will also be outlined.

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Le café sera servi 10 minutes avant.

NB : La présentation d'une pièce d'identité est exigée à l'entrée du centre. Tous les auditeurs extérieurs sont priés de prévenir à l'avance Emilie Chancrin, tél. 01 69 08 23 50, e-mail : [emilie.chancrin@cea.fr](mailto:emilie.chancrin@cea.fr). (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).