



Séminaire du Laboratoire de l'Accélérateur Linéaire

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Mardi 13 Novembre 2012 à 11 :00

Search for $^{136}\text{Xe } 0_{\nu\beta\beta}$ with the Enriched Xenon Observatory EXO

The EXO collaboration is aimed at searching for neutrinoless double beta decay of ^{136}Xe . Such observation would determine an absolute mass scale for the neutrinos, establish their Majorana nature, and constitute physics beyond the Standard Model. The EXO-200 detector is a single phase liquid xenon ultra low background TPC, with an active mass of 110kg of 80.6 % enriched xenon in the isotope 136. The detector is currently operating at the WIPP site and collecting data with enriched xenon since May 2011. The latest results of the EXO 200 detector will be presented.

Auditorium Pierre Lehmann du LAL - Bât. 200, Orsay

Thé et café seront servis 1/4 h avant le séminaire



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