



# EP Seminar

SPEAKER: Manfred Lindner

TITLE: **Results from the 1 tonne\*year Dark Matter Search with XENON1T**

DATE: 28 May 2018, 11:00

PLACE: 503-1-001 - Council Chamber

## ABSTRACT

Weakly Interacting Massive Particles (WIMPs) are an excellent candidate for the mysterious Dark Matter in the Universe. The XENON1T experiment at LNGS is the world's largest and most sensitive experiment for the direct detection of WIMPs via nuclear recoils. Details of the experiment and of the achieved unprecedented low background conditions will be covered and new results from a record exposure of 1 tonne x year will be presented for the first time.