

Department of Physics

Particle Physics

The Denys Wilkinson Building, Keble Road, Oxford OX1 3RH



Experimental Particle Physics Seminar

at 2.15 pm

<https://cern.zoom.us/j/97076834000?pwd=ZDg0bHhJVEo5TkUwTURid0JFQ01PUT09>

Tuesday 3 November 2020

Professor Manfred Lindner
Heidelberg University

XENON1T

Abstract

The XENON1T experiment aims at detecting the specific signatures of WIMP dark matter. The latest analysis showed, however, an unexpected excess of events with low recoil energy. Different potential explanations will be presented including new physics which would lead to the observed excess. Models of new physics have also implications for other experiments which will also be addressed.