

Department of Physics

Particle Physics

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



Experimental Particle Physics Seminar

at 2.15 pm

Dennis Sciama Lecture Theatre

Tuesday 3rd December 2019

Professor Jennifer Thomas
University College London

CHIPS and the new deal

Abstract

CHIPS is a 5kt prototype detector, now deployed in the NuMI neutrino beam. Its goal is to demonstrate the possibility of radically cheaper neutrino detectors and all that stems from that ability regarding precision measurement of neutrino oscillation parameters.

I will talk about the design, construction and deployment of the CHIPS detector and outline a plan for future work.