

Department of Physics

Particle Physics

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



Special Experimental Particle Physics Seminar

**at 2.30 pm
Fisher Room**

Friday 7th September 2018

**Professor Hartmut F.W. Sadrozinski
UC Santa Cruz**

Development of Ultra-fast Silicon Detectors UFSD

Abstract

UFSD are thin Low-Gain Avalanche Detectors with a gain of 10-20, permitting fast charge collection and timing resolution of 10's of pico-seconds. The main issues to be solved are radiation effects. Application in HEP and in X-ray science are being proposed.