



The Department of Physics at the University of Cyprus  
is organizing a seminar on

**Wednesday, 5 of September 2018, time 2:30 p.m.**

Room B228, Building 13, New Campus

Speaker:

**Christophe Royon**  
**Foundation Distinguished Professor**  
**University of Kansas**

**“ Forward Physics at the LHC using intact protons:  
from QCD measurements to the search for extra-  
dimensions”**

We will start by describing possible measurements that improve our knowledge on the proton structure when protons are intact in the following the experience at HERA and at the Tevatron. The second part of the talk will be dedicated to the search for quartic anomalous couplings between photons and  $W$ .  $Z$  bosons that could be a sign of the existence of extra-dimensions in the universe. We will finish by describing briefly the detector developments that are needed for these measurements, especially the fast timing detectors that are being developed at the University of Kansas.

For more information, please contact:  
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