

# HIGH ENERGY PHYSICS

THE UNIVERSITY OF CHICAGO  
ENRICO FERMI INSTITUTE

## The Monday HEP Seminar

PRESENTS:

**“Startup of the Dark Energy Survey”**



**Richard Kessler**

The University of Chicago

**Abstract:** will give a brief review of dark energy, a mysterious entity that accelerates cosmic expansion, and summarize the measured properties from its discovery to current results. Next I will discuss the main science probes, both geometric and growth of structure, to further examine dark energy properties in the Dark Energy Survey (DES). DES is a dedicated 5000 square degree survey using the Blanco 4m telescope with a new 520 Megapixel camera (at CTIO, Chile). Finally, I will describe the DES instrumentation and show highlights from our recently completed first season of the 5-year survey.

**Monday, April 14, 2014**

**4:15PM in LASR 162**

If any assistance is needed, please call Aspasia Sotir-Plutis in advance at (773) 702-8113