

HIGH ENERGY PHYSICS

THE UNIVERSITY OF CHICAGO
ENRICO FERMI INSTITUTE

SPECIAL Tuesday HEP Seminar

PRESENTS:

“Precision measurements of the top quark mass and highly energetic top quark properties”



**Marcel Vos
IFIC Valencia**

The seminar focuses on two hot topics in top physics at the Large Hadron Collider, reviewing recent results and discussing prospects for future progress:

- The LHC opens a window on the production of highly energetic top quarks. A brief overview is given of the tools developed to deal with the boosted decay topology. I review the sensitivity in searches for new physics from the LHC experiments and discuss the prospects for future studies of boosted top quark production.
- With the combination of Tevatron and The top quark mass measurement has reached a 750 MeV precision. Existing measurements are reviewed and the envisaged evolution of the precision. I discuss the limitations of the current strategy and compare the potential of several alternative approaches.

Tuesday, May 20, 2014

4:15PM in ACC 211

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