

Department of Theoretical Physics

Free Meson Seminar

<i>Speaker</i>	:	Diptimoy Ghosh
<i>Topic</i>	:	Detecting Physics Beyond the Standard Model through $b \rightarrow s \mu^+ \mu^-$ transition
<i>Day, Date & Time</i>	:	Thursday, May 12, 2011 at 2:30 p.m.
<i>Place</i>	:	AG 69

Abstract

The Flavor sector of the Standard Model has recently seen some discrepancies with the experimental measurements from the Tevatron experiments CDF and DØ, and to a smaller extent the B factories Belle and BaBar. Interestingly, many of these "anomalies" are in the $b \rightarrow s$ transition sector of the Standard Model. I will briefly discuss some of the existing anomalies and elaborate on how model independently one can try to detect the structure of the underlying New Physics beyond the Standard Model.

(Nilmani Mathur)