



Physics Colloquium

Dr. Mohammad Ahmady
Department of Physics, Mount Allison University

Friday, 25 September 2009
4:00pm, PSC 3046

b-quark physics at LHC

Operation of the Large Hadron Collider starts a new era in the quest for understanding the fundamental interactions and, in turn, the origin of our universe. In this talk, I focus on some particular experiments related to b-quark that will become accessible by LHC and explain how they could further our knowledge of subatomic world and test the widely accepted Standard Model with much higher precisions. Then I look into a possible extension of this model and investigate its consequences on some b-hadrondecays. I will point out how the expected data from LHC can shed light on new physics beyond the Standard Model.

For further information on Physics colloquia visit <http://physics.stfx.ca>
Doughnuts and coffee will be served at 3:45 pm