



Contribution ID: 560

Type: **Parallel Session Talk**

Heavy flavour phenomenology from lattice QCD

Friday 23 July 2010 17:15 (30 minutes)

Heavy quark quantities are useful for testing lattice techniques against well known experimental results, as well as for testing the Standard Model (SM) itself, and searching for physics beyond the SM. I will review the results of recent lattice calculations relevant for this program including those of B and D decay constants and semileptonic decay form factors, and neutral B mixing. The impact of future improvements of lattice results on the clarification of the origin of several disagreement between theory and experiment which are starting to show up in the quark flavour sector, and the study on the lattice of processes with potential to probe new physics at future experiments, like rare B-decays, will also be discussed.

Primary author: Dr GAMIZ, Elvira (Fermilab)**Presenter:** Dr GAMIZ, Elvira (Fermilab)**Session Classification:** 09 - Progress in Lattice Techniques and New Results**Track Classification:** 09 - Progress in Lattice Techniques and New Results