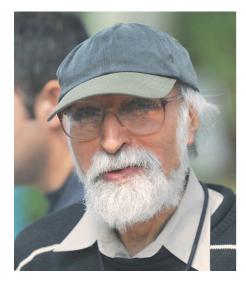
KMI Colloquium

"CP violation and lattice matrix elements: a thirty year saga"



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March 21, 2012 (Wed) 16:30-KMI Science Symposia (ES635)

Abstract:

A very important application of lattice methods for calculating weak matrix elements was initiated almost 30 years ago. A primary focus in there in fact was in the arena of CP violation. Some 25 years later, the lattice results played a significant role in establishing the CKM-paradigm of CP violation leading to a milestone in our understanding of CP and to the nobel prize to Professors Kobayashi and Maskawa. With more precise lattice results and more accurate experimental data there are now hints in fact that that picture may not be complete. The current status of these efforts will be reviewed and their possible impact in light of anticipated experimental results from BELLE II, LHCB etc will be discussed.

