

Paramita Dey

Research Summary:

My current research interest is:

Phenomenology of the Standard Model and Beyond (Extra Dimension, Little Higgs Models, Higgs Triplets in Standard Model etc.).

Preprints:

1. Paramita Dey, Asmaa Abada, Gregory Moreau: *Neutrinos in flat extra dimension: towards a realistic scenario* hep-ph/0611200 (communicated to JHEP)
2. Paramita Dey, Ritesh Singh: *Top quark polarization as a probe of extra dimension* (in preparation)
3. Paramita Dey, Asesh Dutta, Sudhir K Gupta, Andreas Nyffeler, Biswarup Mukhopadhyaya: *Distinguishing the Little Higgs model with T-parity from Supersymmetry at the LHC* (in preparation)
4. Paramita Dey, Biswarup Mukhopadhyaya, Anirban Kundu: *Some Phenomenological Aspects of a Doublet-Triplet Higgs Model* (in preparation)

Conference/Workshops Attended:

1. *Topical Meeting on Physics at the LHC*, India, December, 2006,
2. *International Workshop on Weak Interactions and Neutrinos (WIN07)*, India, January, 2007.

Invited Lectures/Seminars:

1. *Neutrinos in Flat Extra Dimension: Towards a Realistic Scenario / talk*, International Workshop on Weak Interactions and Neutrinos (WIN07), SINP, Kolkata, January 2007.

Other Activities:

1. Obtained Ph.D. Degree, December, 2006.