

Theoretical Physics Seminars

A novel spontaneous $\$CP\$$ nonconservation

Speaker: Dr. Gauhar Abbas

From: Physical Research Laboratory, Ahmedabad

When: August 17, 2017 Thursday 4:00 pm

Place: Room No. 469

A new type of spontaneous $\$CP\$$ breaking in a class of models will be discussed. Consequences of spontaneous $\$CP\$$ breaking (in this class of models) are non-trivial for fine-tuning of the standard model Higgs mass, the strong CP problem, neutrino masses, dark matter and baryogenesis. An explanation for recently observed anomalies in the transitions $b \rightarrow s l \bar{l}$ and $b \rightarrow c l \bar{\nu}_l$ is obtained naturally.

All are welcome