



LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS

LEPP Joint Seminar



Avital Dery
Cornell

**New physics implications
of the LHCb discovery of
CP violation in charm
decays**

The recent measurement of ΔA_{CP} by the LHCb collaboration requires an $O(10)$ enhancement coming from hadronic physics in order to be explained within the SM. We examine to what extent can NP models explain ΔA_{CP} without such enhancements. We discuss the implications in terms of a low energy effective theory as well as in the context of several explicit NP models.

Friday, September 13, 2019
1:00pm
401 Physical Sciences Building