Contribution ID: **274** Type: **Parallel Session talk**

Search for low-mass New Physics states at BABAR

Tuesday, 6 August 2019 15:15 (12 minutes)

Summary

Many extensions of the Standard Model include the possibility of light new particles, such as axions or dark matter candidates. These scenarios can be probed using the large data sets collected by B-factories, complementing measurements performed at the LHC. The BABAR collaboration has conducted an extensive program to search for axions in B decays, for self-interacting or non-miminal dark forces, as well as for six-quark dark matter candidates. In this talk, we'll report on the most recent results.

Primary author: ANULLI, Fabio (Sapienza Universita e INFN, Roma I (IT))

Presenter: KOWALEWSKI, Bob (University of Victoria (CA))

Session Classification: Astroparticle, Dark Matter (Parallel)