

PHOTON 2019 - International Conference on the Structure and the Interactions of the Photon. Satellite Workshop: Photon Physics and Simulation at Hadron Colliders.



Contribution ID: 71

Type: **Talk**

A Light Dark Matter Portal: the axion-like particle

Thursday, 6 June 2019 11:15 (20 minutes)

The nature of the dark matter is still an unsolved mystery and its identification represent a big challenge for model builders and experimentalists. For many years the WIMP miracle has been considered the most promising solution among the Dark Matter candidates. Recently lower energy scales have attracted increasing interest. I will present the axion-like particle (ALP) as a possible candidate for a Portal to a Light Dark Sector, with particular attention to the phenomenology at low energy electron positron colliders.

Summary

Primary author: GIACCHINO, Federica (LNF)

Presenter: GIACCHINO, Federica (LNF)

Session Classification: Gamma Final States

Track Classification: Gamma Final States