

Propsect of search for long-lived partner of dark matter in an extra U(1) model

Tuesday, August 20, 2024 3:45 PM (2 hours)

In a model of an extra U(1) charged scalar dark matter, the degenerated U(1) partner particle may be long lived. Such a long-lived particle may be discovered in future long-lived particle search such as MATHUSLA. We present a viable benchmark point in such models.

Primary author: SETO, Osamu (Hokkaido University)

Co-author: Prof. OKADA, Nobuchika

Presenter: SETO, Osamu (Hokkaido University)

Session Classification: ポスター 1