

The Cosmic Axion Background

Tuesday, 10 August 2021 13:15 (20 minutes)

In this talk I will show that we can detect relativistic axions that are a relic of the early Universe with instruments searching for axion dark matter. I will outline several forms such a cosmic axion background could take, demonstrate how the CaB would appear at an axion haloscope, and explain why current analyses would discard any emerging signal as a background.

Primary author: Dr RODD, Nicholas (CERN)

Presenter: Dr RODD, Nicholas (CERN)

Session Classification: Messengers from the Early Universe