

Pati-Salam axion (BSM Forum)

Thursday 25 June 2020 14:00 (1 hour)

BSM Forum: <https://indico.cern.ch/event/917072>

Zoom meeting: <https://cern.zoom.us/j/99113688676>

Virtual Axion Institute: The discussion on this talk can be continued in Luca's virtual guest office.
<https://mattermost.web.cern.ch/axions/channels/luca-di-luzio>

Abstract: I discuss the physics case for the GUT axion, motivated by the fact that the GUT axion window could be completely explored by the late phases of the axion Dark Matter experiments CASPER-Electric and ABRACADABRA. This connection is exemplified for the case of the Pati-Salam partial unification scheme, in which the axion mass is predicted as a function of a sliding Left-Right symmetry breaking scale.

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Session Classification: Seminar