

SPEAKER: Roberto Contino

TITLE: **Accidental Dark Matter from chiral dynamics**

DATE: 21 Apr 2021, 15:00

PLACE:

#### ABSTRACT

The stability of the proton in the Standard Model of particle physics follows from the accidental conservation of baryon number at the level of renormalizable operators. In a similar way, the Dark Matter candidate in theories beyond the Standard Model could be stable as a consequence of an accidental symmetry. In this talk I will review some of the models that have been proposed to realize this paradigm along with their implications. I will then discuss a recently proposed class of theories where accidental stability originates from new strongly-coupled chiral dynamics.

Organized by

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