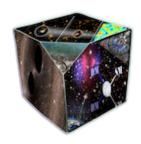
## PPC 2018: XII International Conference on Interconnections between Particle Physics and Cosmology



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# Are Dark Matter - Dark Radiation Interactions Favoured by Cosmological Data?

Thursday 23 August 2018 15:30 (5 minutes)

The standard Dark Matter paradigm, in which Dark Matter is cold, collisionless, and only interacts significantly gravitationally, boasts remarkable success on large scales. However, possible tensions in H0 and S8 measurements have reinvigorated interest in beyond-LCDM models, such as interactions between all or a fraction of Dark Matter and Dark Radiation. Here I present recent constraints on these interactions, and discuss the potential of these models to alleviate cosmological tensions.

### **Affiliation**

RWTH Aachen, TTK

#### **Email address**

hooper@physik.rwth-aachen.de

### Academic position

PhD student

Author: C HOOPER, Deanna (RWTH Aachen University (DE))

Co-authors: LESGOURGUES, Julien (TTK, RWTH Aachen University); ARCHIDIACONO, Maria; VIEL, Mat-

teo; Mr MURIGA, Riccardo

Presenter: C HOOPER, Deanna (RWTH Aachen University (DE))
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