

IDM 2018



Contribution ID: 145

Type: **Talk**

CMB Constraints on Dark Matter

Monday, July 23, 2018 9:15 AM (25 minutes)

Non-gravitational interactions between dark and visible matter could transform the early history of our universe, heating or cooling the gas and contributing additional ionization and photons. I will describe the potential effects of energy injection from dark matter annihilation on the early universe, and the imprints it would leave in the cosmic microwave background and other observables. I will outline the resulting powerful constraints on light dark matter, and discuss some future directions.

Primary author: SLATYER, Tracy

Presenter: SLATYER, Tracy

Session Classification: 1.1 Plenary Session

Track Classification: Plenary