

Upalaparna Banerjee

Marco Fedele

Yann Gouttenoire

Antonela Matijasic

JOHANNES GUTENBERG
UNIVERSITÄT MAINZ



Theorie-Palaver

Dec. 5, 2023 at 2 p.m.

Lorentz room (Staudingerweg 7, 5th floor)

Maura Ramirez Quezada
JGU Mainz

The dark in the white

In this talk, I'll explore the potential of using white dwarfs as cosmic laboratories to investigate hidden interactions beyond the Standard Model. My focus will be on the cooling process of white dwarfs, specifically through neutrino emission, and investigate the impact of a dark photon in a three-portal model on the neutrino emission during white dwarf cooling.

Contact:
ubanerjee@uni-mainz.de

mfedele@uni-mainz.de

ygoutten@uni-mainz.de

amatijas@uni-mainz.de