

# Theorie-Palaver

Dec. 5, 2023 at 2 p.m.  
Lorentz room (Staudingerweg 7, 5th floor)

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## **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.