



EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag von

Maximilian FAHRECKER
(University of Vienna)

über

***“Dark state pair-production in underground accelerators
and their detection“***

Abstract:

We explore the possibility of new light fermionic particles with electromagnetic form factor interactions and their production and detection in underground low-energy high-intensity electron beams. The particles could be dark matter candidates. The detection will be facilitated by using a novel CCD-sensor. We calculate the corresponding cross sections while discussing constraints from cosmology, astrophysics and high-precision particle physics. These theoretical results can then be checked against measurements.

Zeit: Dienstag, 28.5.2024, 16:15h

Ort: Erwin-Schrödinger-Hörsaal, Boltzmannngasse 5, 5. Stock

Join Zoom Meeting - Meeting ID: 933 4269 3866 Passcode: 185096
<https://univiennea.zoom.us/j/93342693866?pwd=aUpTR0VJNUhJY2Q0ajdaKzI1YWVBR09>

gez.: A. Hoang, M. Procura