

## Einladung zum Physikalischen Kolloquium

24.01.2025 **Elisa Pueschel, Ruhr-Universität Bochum**  
**»Dark Matter Searches with Very-High-Energy Gamma Rays«**  
*Einführung: K. Valerius*

Dark matter makes up an estimated 85% of the matter in the universe, yet its nature is mysterious. While visible matter interacts readily with light, dark matter does not. We are only confident that dark matter feels the force of gravity. However, it is possible that dark matter has further interactions with visible matter, which would lead to the production of high-energy photons. This emitted light, beyond the range of visible light, would help us understand what dark matter is made of and how it interacts with visible matter. I will describe efforts to chase light from dark matter using ground-based imaging atmospheric Cherenkov telescopes, including the current generation VERITAS instrument and the upcoming Dark100 array.



Der Vortrag findet **am Freitag, den 24. Januar 2025 um 15:45 Uhr im Otto-Lehmann-Hörsaal**, Physik-Flachbau (Geb. 30.22), KIT-Campus Süd statt.