

Plenarvortrag

PV IX Do 9:00 Z6 - HS 0.004

How Light is Gravity ? — ●CLAUDIA DE RHAM — Imperial College London, UK

The recent direct detections of gravitational waves represent a direct manifestation of the propagating degrees of freedom of gravity. While

the recent detections have been successfully used to examine the basic properties of these gravitational degrees of freedom and set an upper bound on its mass and constrain its speed of propagation with unprecedented accuracy, I will explore the possibility for this mass to be sufficiently small to pass current tests of gravity and yet sufficiently large to have deep potential implications on our observable Universe.