

## Einladung

zu einem Vortrag von

**Prof. Bryan Roberts (LSE)**

zum Thema

**“Are ‘antiparticles’ just particles moving backwards in time?”**

**Zeit** Dienstag, 12. Juni 2018, 15.c.t. Uhr

**Ort** HS 301 (Franziskanergasse 1, Wallistrakt)

**Abstract:** Feynman and Wheeler proposed that positrons "could simply be represented as electrons going from the future to the past". But is there any philosophically reasonable sense in which a particle can be said to move backwards in time? Some philosophers have answered, 'No'. In this talk, I will point out a sense in which the answer is, 'Yes'. I begin with an account of what the latter means, called the 'Many arrows' account of temporal direction. I then give a definition of antimatter that is appropriate for this context. With this background in place, it is possible to state and verify a precise expression of the general Wheeler-Feynman thesis, in both classical and quantum field theories.

Der Vortrag ist für die Öffentlichkeit frei zugänglich!