



## Ph.D. / Postdoc position

75% EGr. 13 TV-L HU (100% for Postdocs). Initially funded till 31.12.2013 within the DLR/BMWi project QUANTUS, extension possible.

QUANTUS („Ultrakalte makroskopische Quantensysteme in Mikrogravitation“) is a collaborative project funded by the German space agency DLR aimed at testing fundamental physics by means of matter wave interferometry with atomic quantum gases in micro-gravity environments (drop tower, sounding rocket missions, ...).

**Tasks:** Development of miniaturized laser systems in close collaboration with the Ferdinand-Braun-Institut / Leibniz-Institut für Höchstfrequenztechnik (FBH). Participation in experiments testing Einstein's principle of equivalence with atomic quantum gases in drop tower experiments. Successful candidates for the Postdoc position are also expected to play an important role in coordinating the research activities of the Laser Metrology Group at the FBH.

**Requirements:** University degree (Ph.D. degree for Postdoc position) in physics or related fields. Experience in the field of experimental optics and laser physics and/or the physics of ultra cold quantum gases would be beneficial. Qualified female applicants are particularly welcome. Disabled persons will be given preference in case of equal qualification.