



**Optical Metrology**

Quantum sensors & cold atoms group



HUMBOLDT-UNIVERSITÄT ZU BERLIN



# Ph.D. position in Berlin (75% TV-L E13)

We are seeking a candidate for **Ph.D. with possible starting date July 1st 2016 or later**. The position is associated to the project **KACTUS** – and will be paid in accordance with TV-L E13 (75%).

The project is a collaborative effort supported by the German space agency DLR aiming at **investigating integrated optics for UHV applications to generate and study ultracold atoms in miniaturized optical dipole trap setups** suitable for operation in microgravity environments (drop tower, sounding rocket missions ...).

The candidate should have an **excellent university degree** (Master of Science or equivalent) in physics or a related field. Existing **knowledge in design and operation of ultracold quantum gas experiments and/or integrated optics** is favorable but not necessary. Furthermore the applicant will have to be mobile and willing to travel to different project partners.

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Please send your application (ref. number DR/071/16) including the common documents (cover letter, curriculum vitae and certifications) electronically to Dr. Markus Krutzik:

Dr. Markus Krutzik  
Team leader Quantum sensors (qSens)  
markus.krutzik@physik.hu-berlin.de

<https://www.physik.hu-berlin.de/en/qom/research>

