



## EINLADUNG

zum

### Seminar des Instituts für Quantenphysik

**Die, 16.10.2018**

14:00 Uhr

M24/H10

**Prof. Dr. Surendra Singh**

University of Arkansas

***Diffraction and Polarization Properties of  
Optical Vortex Beams***

Abstract: Diffraction and polarization properties of angular momentum carrying Laguerre-Gauss vortex beams of light will be discussed and novel features that arise will be described. Similar effects with other types of laser beams will be summarized. Experimental observations confirming these features will also be presented.

**Do, 18.10.2018**

14:30 Uhr

M24/H10

**Prof. Dr. Reeta Vyas**

University of Arkansas

***Coherence and Fluctuation of Light from  
Optical Parametric Oscillators***

Abstract: Exact quantum distribution of parametric oscillators from below to above threshold will be presented. Photon sequences generated by parametric oscillators will be described and nonclassical effects will be discussed in terms of quantities measurable in photoelectric detection.

Alle Interessenten sind herzlich eingeladen!