

**PHYSICAL COLLOQUIUM
INVITATION**

Monday, 27.11.2017, 4.15 p.m., W2-1-148

speaks

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about

Mueller matrix spectroscopy for chiral detection

This presentation will focus on our recent progresses studying chiral media with Mueller matrix spectroscopy. A comprehensive presentation of our polarimetric method will be provided, detailing the instrumentation used, a few remarks about data analysis as well as some basic concepts about light propagation in chiral anisotropic media. We will discuss how optical characterization methods based only in the use of circularly polarized light can often render inconclusive or erroneous results for chiral assessment. We will show how Mueller matrix spectroscopy is a suitable method to unveil the complexity of anisotropic chiral media with some practical applications in crystals, man-made nanostructures and porphyrin aggregates.

All interested persons are cordially invited.

Sgd. Prof. Manuela Schiek