Contribution ID: **55** Type: **Talk**

Recent Progress of the JEDI Collaboration

Tuesday, June 12, 2018 11:40 AM (20 minutes)

Electric Dipole Moments (EDMs) of elementary particles are important candidates for CP violation and hence possible sources for the observed matter-antimatter asymmetry in the universe. The Jülich Electric Dipole Moment Investigation (JEDI) collaboration is searching for EDMs of light nuclei. Ideally this would be done in a designated storage ring using the frozen spin concept. Such a ring does not exist currently but is in the design phase. The COSY ring in Jülich is used to study various issues of a designated ring and uses an rf-Wienfilter to measure the EDM of the deuteron for the first time. This talk gives an overview of the experimental techniques with a focus on recent achievements and highlights their relevance for a designated EDM ring.

Primary author: GAISSER, Martin (RWTH Aachen University)

Presenter: GAISSER, Martin (RWTH Aachen University)

Session Classification: EDM