

# Seminar

von

Dr. Davor Krajinović

(AIP, Potsdam)

## **Formation processes of massive galaxies**

Massive galaxies are often considered the pinnacles of formation and evolution of galaxies. They are shaped by a variety of physical processes, but the challenge is to determine them, specify their frequency and the epoch when they dominated the formation. One avenue is to explore the stellar kinematics of massive galaxies, which is often dramatically different from kinematics of lower mass systems. I will present the first results of the M3G survey, a campaign to observe the most massive galaxies in the Universe with MUSE, which show how kinematically special these galaxies are. Putting together the information on their photometric properties, stellar populations, building dynamical models and making comparisons with the predictions of numerical simulation, we can start building a coherent picture on the formation of these extreme systems.

**Montag, 16. April 2018, um 15:00 Uhr im HS**

des Institutes für Astrophysik, Türkenschanzstraße 17, 1180 Wien