

PHYSIKALISCHES KOLLOQUIUM

Sommersemester 2023

Das Kolloquium findet (soweit nicht anders angegeben) **jeweils montags um 17:15 Uhr in Präsenz im Röntgen-Hörsaal des Physikalischen Instituts, Hubland Campus Süd, Universität Würzburg und online via Zoom statt.**

Link zum Zoom-Raum:

<https://go.uniwue.de/physkolloqzoom>



17.07.2023

Prof. Dr. J. Anton Zensus
Max-Planck-Institut für Radioastronomie, Bonn

Cosmic Monsters: Supermassive Black Holes and Relativistic Jets in Galaxies

Abstract

The central regions of active galaxies are thought to harbour supermassive Black Holes. Radio observations with transcontinental telescope arrays allow imaging with high resolution of such objects on scales of the expected event horizons. They also give insights of the extended relativistic jets emanating from these regions. This had led to compelling evidence in support of the Black Hole paradigm. This lecture will tell the story of this remarkable scientific journey and it will give an overview of the key results and latest developments and new questions beyond the first images of the Black Holes in the galaxy Messier 87 and Str A* in our Milky Way Galaxy, which were recently published by the Event Horizon Telescope Collaboration.

Für die Dozentinnen bzw. Dozenten der Fakultät

PD. Dr. Meyer, Prof. Dr. Klemmt, Dr. Fromm, Dr. Feichtner und Hr. Kögel