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# 国台学术报告 NAOC COLLOQUIUM

## 2019 年第 16 次 / No. 16 2019

Time: **Wednesday 2:30 PM, Sep. 11<sup>th</sup>** Location: **A601, NAOC**

## Highly Obscured Active Galaxies

**Dr. Christian Henkel**

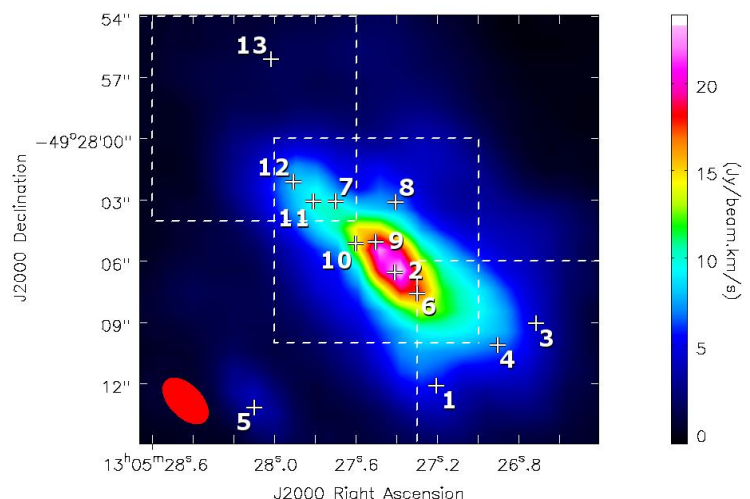
**Max-Planck-Institut für Radioastronomie**



Dr. Christian Henkel is a senior researcher at the Max-Planck-Institut für Radioastronomie (MPIfR) in Bonn. He worked at Xin Jiang Astronomical Observatory, CAS in 2014 as a guest scientist. He obtained his Ph.D. from MPIfR in 1980. He won the Otto-Hahn Medal of the Max-Planck-Society in 1981. His research includes star formation, astrochemistry, active galactic nuclei, galaxy evolution, masers, late type stars, physical constants.

### Abstract

The highly obscured central regions of star forming galaxies, much more active than the Milky Way, were until recently only accessible with coarse angular resolution. However, with ALMA the situation has been drastically changed. Detailed ALMA data from five nearby spiral galaxies will be discussed, a new family of extragalactic masers will be introduced and the AGN paradigm, requiring a nuclear engine, an accretion disk, and a jet perpendicular to the plane of this disk, will be tested. Furthermore, the structure and molecular content of the nearest radio galaxy will be investigated.



*All are welcome ; Tea and coffee will be served at 2:15 PM.*