

Colloquium

SFB 956

Conditions and Impact of Star Formation

23 January 2022

Monday 3:30 pm

Physikalische Institute Köln

Lecture Hall I

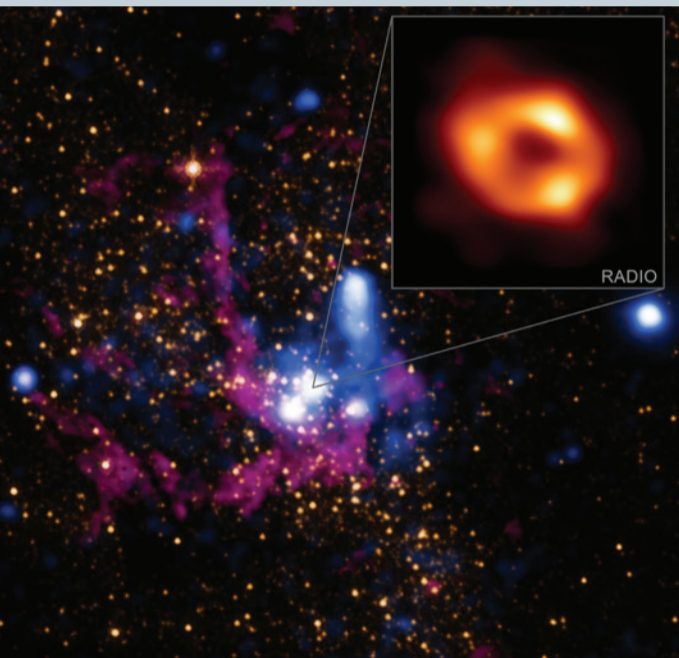
Zülpicher Straße 77 | 50937 Cologne

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Leveraging EHT and Multi-wavelength Monitoring to Reveal Sgr A* and M87

It's been a fantastic decade for black hole studies, highlighted by the 2017 and 2020 Nobel Prizes in Physics. Multiple Galactic Center research groups, the Event Horizon Telescope, and LIGO/Virgo continue to bring rapid-fire new observations to sharpen our understanding of these exotic objects. I will discuss Sgr A*'s unique variability alongside other time domain phenomena in the Galactic Center, traced out over more than 20 years of observations from coordinated multi-wavelength campaigns. I will compare these detailed studies of Sgr A* to equally impressive multi-wavelength observations of M87*. I will also briefly explore how we can continue to push the frontiers of black hole research with existing and next-generation observatories.



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Inset: Radio (EHT Collaboration)