

CPK 16

*Star formation,
accretion,
and feedback in galactic nuclei*

Venue: **Castle Wahn**
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Program

Wednesday, November 30

9:00-10:00 **Registration**, *Castle Wahn, Burgallee 2.*

10:00-10:15 **Welcome.**

Session: Galactic centre and its constituents at different wavelengths, chair: Michal Zajaček

10:15-10:45 **Lydia Moser**, *Molecular clouds in the vicinity of Sgr A*.*

10:45-11:15 **Nadeen Sabha**, *Mid-infrared observations of the Galactic centre.*

11:15-11:30 **Coffee/Tea break**, *Castle Wahn.*

11:30-12:00 **Elaheh Hosseini**, *L-band detection of faint sources in the Galactic centre.*

12:00-12:30 **Lýdia Štofánová**, *Bow shocks in the Galactic centre.*

12:30-14:00 **Lunch**, *Restaurant Eltzhof.*

Session: Galactic centre and its constituents at different wavelengths (cont.), chair: Lydia Moser

14:00-14:30 **Abhijeet Borkar**, *Millimeter radio interferometry from Sgr A* and its surroundings.*

14:30-15:00 **Lukas Steiniger**, *Weak NIR/radio flare emission of Sgr A*.*

15:00-15:30 **Coffee/Tea break**, *Castle Wahn.*

Session: Stellar orbits near Sgr A*: Theory vs. Observations, chair: Nadeen Sabha

15:30-16:00 **Marzieh Parsa**, *Stellar orbits near Sgr A*.*

16:00-16:30 **Matthew Horrobin**, *GRAVITY.*

16:30- **Free programme (individual discussions, dinner, Weihnachtsmarkt).**

Thursday, December 1

Session: Radiative properties of Sgr A*, chair: Vladimír Karas

10:00-10:30 **Enmanuelle Mossoux**, *Multiwavelength study of the flaring activity of Sagittarius A* in 2014 February-April.*

10:30-11:00 **Matthias Subroweit**, *Sub-mm to X-ray properties of Sgr A*.*

11:00-11:30 **Coffee/Tea break**, *Castle Wahn.*

Session: Galactic centre observations with modern instrumentation, chair: Vladimír Karas

11:30-12:00 **Steffen Rost, Sebastian Vider**, *Upcoming observations with JWST.*

12:00-12:30 **Andreas Eckart**, *Recent mm-VLBI results.*

12:30-14:00 **Lunch**, *Restaurant Eltzhof.*

Session: Black hole astrophysics: Theory and Simulations, chair: Banafsheh Shahzamanian

14:00-14:30 **Wolfgang Duschl**, *How exotic is the (S)MBH in the GC?.*

14:30-15:00 **Vladimír Karas**, *Elements of Black Hole Astrophysics in the Era of New Instruments.*

15:00-15:30 **Coffee/Tea break**, *Castle Wahn.*

15:30-16:00 **Petra Suková**, *Slowly rotating transonic accretion flows with shocks.*

- 16:00-16:30 **Grischa Karssen**, *Black hole mass determination using bright X-ray flares.*
- 16:30-16:45 **Coffee/Tea break**, *Castle Wahn.*
- 16:45-17:15 **Madalina Badea**, *M87 and the application of the MAGSPOT code.*
- 17:15-17:45 **Lars Bösch**, *Ensemble evolution of supermassive black holes.*
- 17:45- **Free programme (individual discussions, dinner, Weihnachtsmarkt).**

Friday, December 2

Session: Dusty S-cluster Object (DSO/G2) and other NIR-excess sources, chair: Wolfgang Duschl

- 10:00-10:30 **Mónica Valencia-S.**, *Line emission of the DSO/G2.*
- 10:30-11:00 **Florian Peissker**, *K-band continuum of the Dusty S-cluster Object (DSO/G2).*
- 11:00-11:30 **Coffee/Tea break**, *Castle Wahn.*
- 11:30-12:00 **Banafsheh Shahzamanian**, *NIR polarimetry observations of the Galactic centre (Sgr A* and DSO).*
- 12:00-12:30 **Michal Zajaček**, *What is the nature of NIR-excess sources in the Galactic centre?.*
- 12:30-14:00 **Lunch**, *Restaurant Eltzhof.*

Session: Extragalactic sources: star formation, accretion, and feedback, chair: Andreas Eckart

- 14:00-14:30 **Gerold Busch**, *Multiwavelength studies of nearby AGN and quasars.*
- 14:30-15:00 **Nastaran Fazeli**, *Nuclear interstellar medium of NGC1365.*
- 15:00-15:30 **Coffee/Tea break**, *Castle Wahn.*
- 15:30-16:00 **Romana Mikušincová**, *X-ray spectroscopy of polar-scattered Seyfert 1 galaxies.*
- 16:00-16:30 **Meeting summary, discussion, and future perspective (Andreas Eckart).**
- 18:00- **Meeting dinner**, *Restaurant Alborz*, Rathenaupl. 1, Köln.