

# COLLOQUIUM

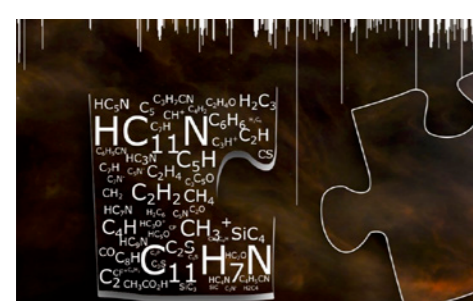
## CRC 1601 – HABITATS OF MASSIVE STARS ACROSS COSMIC TIME

VENUE:

University of Cologne, Physics Institutes, Lecture Hall III, 2:00 pm

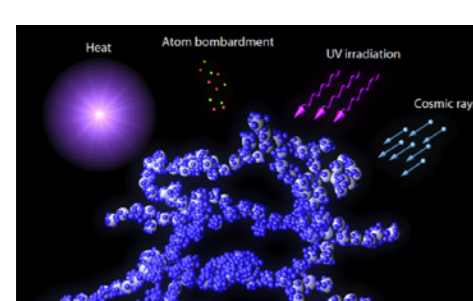
**October 8, 2024 – Ugo Jacovalla**

Institut des Sciences Moléculaires d'Orsay, CNRS & University of Paris-Saclay, France  
**Hunting for molecular ions in space**



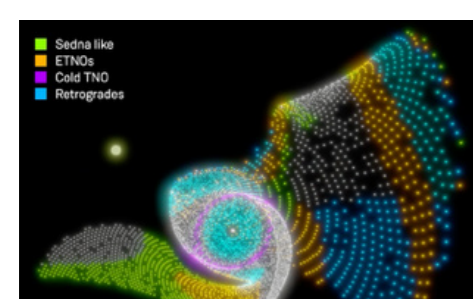
**October 15, 2024 – Alexey Potapov**

Analytical Mineralogy group, Institute of Geosciences, Friedrich Schiller University, Jena  
**Laboratory Astrophysics and Solid-state Astrochemistry**



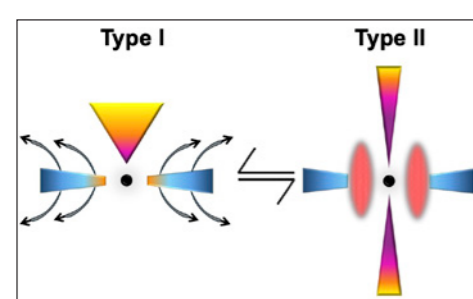
**October 22, 2024 – Susanne Pfalzner**

SFB1601/ Forschungszentrum Jülich  
**A perfect encounter: The flyby that possible shaped the outer solar system**



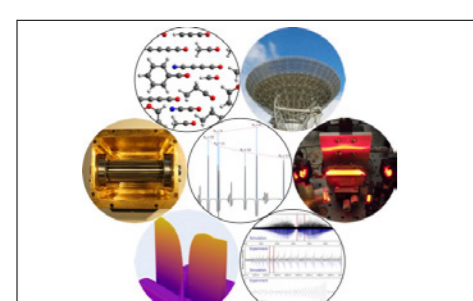
**October 29, 2024 – Gregory Walsh**

DARK Cosmology Centre, Niels Bohr Institute, University of Copenhagen  
**The Nature of Accretion State Changes: Changing-look AGN and VLBI**



**November 5, 2024 – Stephan Schlemmer**

SFB1601/ I. Physics Institute, University of Cologne  
**Cologne Laboratory Astrophysics – now and then**



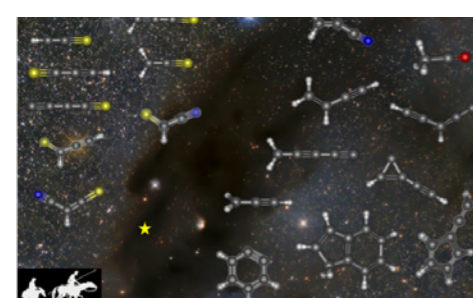
**November 12, 2024 – Alvaro Hacar**

Department of Astrophysics, Univ. of Vienna (AT)  
**A physical description of the filamentary ISM**



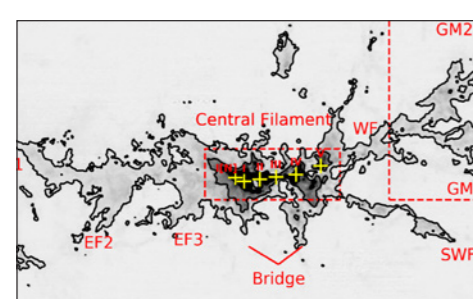
**November 26, 2024 – Nuria Marcellino**

Observatorio Astronómico Nacional (IGN), Madrid, Spain  
Observatorio de Yebes (IGN), Yebes, Guadalajara, Spain  
**QUIJOTE and SANCHO: unveiling the molecular content of the TMC-1 cloud**



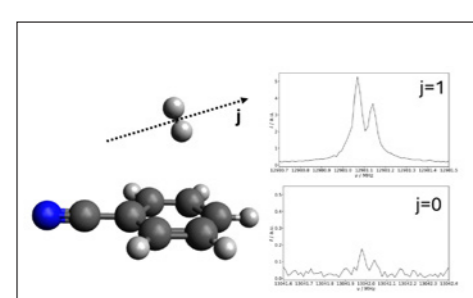
**December 3, 2024 – Friedrich Wyrowski, Sudeep Neupane**

SFB1601 / Max Planck Institute for Astronomy, Bonn  
**Physical conditions and gas kinematics from giant molecular clouds to clumps scales**



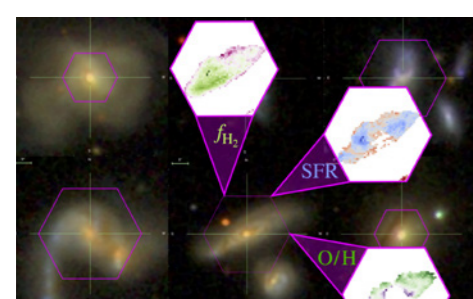
**December 10, 2024 – Daniel Obenchain**

Georg-August-Universität Göttingen, Institut für Physikalische Chemie  
**The laboratory detection of molecular hydrogen complexes with aromatic rings: non-trivial differences in ortho/para hydrogen complexation patterns**



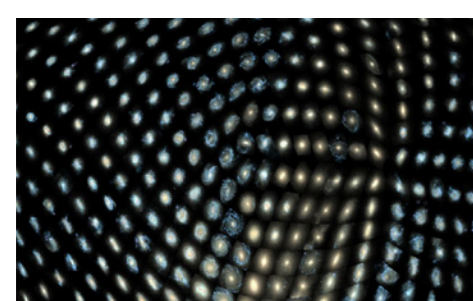
**December 17, 2024 – Mallory Thorp**

Argelander Institute for Astronomy  
**Are all starbursts equal? The role of galaxy mergers in shaping unique star-forming conditions**



**January 7 – Kai Polsterer**

Heidelberg Institute for Theoretical Studies  
**From Supervised to Unsupervised ML: lessons learned from learning machines**



**January 14 – Monica Valencia-Schneider, Christof Buchbender**

SFB1601 / RRZK & I. Physics Institute, University of Cologne  
**The CCAT Data Center**



**January 28 – Florian Peißker**

SFB1601 / I. Physics Institute, University of Cologne  
**To be or not to be: a putative IMBH in the close vicinity of the supermassive black hole SgrA\***

