### 2023-12-25

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<td>Probing early structure formation with Planck-selected protoclusters</td>
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ALMA Observing Activity from 2023-12-18T17:59:00 to 2023-12-25T18:00:00
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<td>NGC1333_a_06_TP</td>
<td>Filament formation and triggered star formation by cloud collision in NGC 1333</td>
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**Overview:**

- **2023.1.00626.S**
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  - Project Title: Spatially Resolving Dust Obscured Star Formation
  - PI: Kokorev
  - Executive: EU
  - Array: 12-m
  - Band: 6

- **2023.1.01099.S**
  - SchedBlock: HAQ2358+_a_06_7M
  - Project Title: Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes
  - PI: Hernandez-Yevenes
  - Executive: CL
  - Array: 7-m
  - Band: 6

- **2023.1.01099.S**
  - SchedBlock: 234856.4_a_06_7M
  - Project Title: Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes
  - PI: Hernandez-Yevenes
  - Executive: CL
  - Array: 7-m
  - Band: 6
SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes

Spatially Resolving Dust Obscured Star Formation
Kokorev EU 12-m 6

A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations
Treister CL 12-m 6

Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes
Hernandez-Yevenes CL 7-m 6

Spatially resolved deep submm follow-up of z > 6 low-luminosity quasars with approved JWST’s stellar light observations
Izumi EA 12-m 6

UNVeiling the Initial Conditions of high-mass star-formation (UNIC)
Redaelli CL EA EU NA 7-m 6

Measuring accurate gas masses for the exoALMA planet-forming disks
Trapani NA 12-m 6

Feedback Chemistry in Gas Infall and Riechers Outflows of the Most Active Starburst Galaxies at Redshifts 2-5
EU 7-m 7

High-mass Photoionising Protostellar Object (HIPPO) survey
Tanaka EA 12-m 6

The Nearby Evolved Stars Survey: quantifying the gas and dust return to the Galactic interstellar medium
Scicluna EA 7-m 6

A Survey of Infall in the Very Early Stages of High-Mass Star Formation
Mori EA Total Power 6

The Nearby Evolved Stars Survey: quantifying the gas and dust return to the Galactic interstellar medium
Scicluna EA 7-m 7

UNVeiling the Initial Conditions of high-mass star-formation (UNIC)
Redaelli CL EA EU NA Total Power 7

UNVeiling the Initial Conditions of high-mass star-formation (UNIC)
Redaelli CL EA EU NA 7-m 7

2023-12-20

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accretion flows of single SMBH: ACA fluxes
Monitoring Post-Flare Protoplanetary Chemistry with ALMA

Physics of low-metallicity molecular clouds with ALMA

Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes

Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes

Monitoring Post-Flare Protoplanetary Chemistry with ALMA

The ACA ORdinary Cloud Study of the Large Magellanic Cloud

Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes

Unveiling the physics controlling cloud Schinnerer and star formation in extragalactic Central Molecular Zones (eCMZs)

Filament formation and triggered star formation by cloud collision in NGC 1333

Unveiling the physics controlling cloud Schinnerer and star formation in extragalactic Central Molecular Zones (eCMZs)

An ACA Survey of Molecular Gas in Mergers and Dual AGN

An ALMA-MUSE survey of z~3 quasars: deciphering their multiphase gas reservoirs and small-scale environment

Spatially resolved deep submm follow-up of z > 6 low-luminosity quasars with approved JWST’s stellar light observations

ACA CO(1-0) mapping of Stephan’s Quintet

Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes

The cold chemistry of protostellar hot corinos

UNVeiling the Initial Conditions of high-mass star-formation (UNIC) UNVeiling the Initial Conditions of high-mass star-formation (UNIC) UNVeiling the Initial Conditions of high-mass star-formation (UNIC)

High-mass Photoionising Protostellar Object (HIPPO) survey

UNVeiling the Initial Conditions of high-mass star-formation (UNIC)

UNVeiling the Initial Conditions of high-mass star-formation (UNIC)

Towards a complete census of methanol budget in isolated protostars

Towards a complete census of methanol budget in isolated protostars

Clumps of Molecular Gas in the Turbulent, Gas-Rich DYNAMO Galaxies

Project Title

Project Code

SchedBlock

PI

Executive

Array

Band

An ALMA-MUSE survey of z~3 quasars: deciphering their multiphase gas reservoirs and small-scale environment

Arrigoni Battaia

EU

7-m

3

Spatially resolved deep submm follow-up of z > 6 low-luminosity quasars with approved JWST’s stellar light observations

Izumi

EA

12-m

6

ACA CO(1-0) mapping of Stephan’s Quintet

Maeda

EA

Total Power

3

Towards resolving orbiting binary SMBH, plus shadows, jets, and accretion flows of single SMBH: ACA fluxes

Hernandez-Yevenes

CL

7-m

6

The cold chemistry of protostellar hot corinos

Jorgensen

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UNVeiling the Initial Conditions of high-mass star-formation (UNIC) UNVeiling the Initial Conditions of high-mass star-formation (UNIC) UNVeiling the Initial Conditions of high-mass star-formation (UNIC)

Tanaka

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Towards a complete census of methanol budget in isolated protostars

Yang

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Towards a complete census of methanol budget in isolated protostars

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Clumps of Molecular Gas in the Turbulent, Gas-Rich DYNAMO Galaxies

Lenkic

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Unveiling the physics controlling cloud and star formation in extragalactic Central Molecular Zones (eCMZs)

Schinnerer

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CLASSY&CO: revealing the molecular gas fueling metal-poor star-forming high-z analogs in the local universe

Mingozzi

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Probing early structure formation with Planck-selected protoclusters

Hill

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A Survey of Infall in the Very Early Stages of High-Mass Star Formation

Morii

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