

22nd GAPS Progress Meeting



Report of Contributions

Contribution ID: 52

Type: **not specified**

Welcome

Wednesday 14 May 2025 10:00 (10 minutes)

Presenter: BENATTI, Serena

Session Classification: General themes

Contribution ID: 53

Type: **not specified**

Board updates

Wednesday 14 May 2025 10:10 (10 minutes)

Presenter: BENATTI, Serena

Session Classification: General themes

Contribution ID: 54

Type: **not specified**

TNG and instruments update

Wednesday 14 May 2025 10:20 (10 minutes)

Presenter: GHEDINA, Adriano

Session Classification: General themes

Contribution ID: 55

Type: **not specified**

GIANO-B STARE mode

Wednesday 14 May 2025 10:30 (10 minutes)

Presenter: GHEDINA, Adriano

Session Classification: General themes

Contribution ID: 56

Type: **not specified**

LOCNES: the TNG NIR Solar Telescope: an update

Wednesday 14 May 2025 10:40 (15 minutes)

Presenter: CLAUDI, Riccardo

Session Classification: General themes

Contribution ID: 57

Type: **not specified**

GAPS3.0: Status of the Observations

Wednesday 14 May 2025 10:55 (15 minutes)

Presenter: R.CLAUDI/S.COLOMBO

Session Classification: General themes

Contribution ID: **58**

Type: **not specified**

HADES

Wednesday 14 May 2025 11:40 (20 minutes)

Presenter: AFFER, Laura

Session Classification: General themes

Contribution ID: 59

Type: **not specified**

Introducing NOCTIS, a coordinated network of small telescopes

Presenter: RAINER, Monica

Session Classification: General themes

Contribution ID: **60**

Type: **not specified**

Radial Velocity Jitter for GAPS1.0 & GAPS2.0 Targets

Wednesday 14 May 2025 12:00 (20 minutes)

Presenter: CLAUDI, Riccardo

Session Classification: General themes

Contribution ID: **61**

Type: **not specified**

Introduction

Session Classification: Ariel Masses Survey (ArMS)

Contribution ID: **62**

Type: **not specified**

Updates from Junior GAPS

Friday 16 May 2025 09:30 (10 minutes)

Presenter: DI MAIO, Claudia

Session Classification: Junior proposals

Contribution ID: **63**

Type: **not specified**

Updates AOT50 TOI-5398

Friday 16 May 2025 09:55 (15 minutes)

Presenter: GUILLUY, Gloria

Session Classification: Junior proposals

Contribution ID: **64**

Type: **not specified**

Updates AOT48 TOI-1710

Friday 16 May 2025 09:40 (15 minutes)

Presenter: MANTOVAN, Giacomo

Session Classification: Junior proposals

Contribution ID: 65

Type: **not specified**

Status of the ArMS observations

Thursday 15 May 2025 09:30 (25 minutes)

Presenter: BENATTI, Serena

Session Classification: Ariel Masses Survey (ArMS)

Contribution ID: **66**

Type: **not specified**

Status of AMS01

Thursday 15 May 2025 09:55 (15 minutes)

Presenter: FARDELLA, Valerio

Session Classification: Ariel Masses Survey (ArMS)

Contribution ID: 67

Type: **not specified**

Status of AMS29

Thursday 15 May 2025 10:10 (20 minutes)

Presenter: DI MAIO, Claudia

Session Classification: Ariel Masses Survey (ArMS)

Contribution ID: **68**

Type: **not specified**

Updates on Young Objects program

Thursday 15 May 2025 10:30 (15 minutes)

Presenter: S.BENATTI/S.DESIDERA

Session Classification: Young Objects

Contribution ID: **69**

Type: **not specified**

Status of Kepler-63

Thursday 15 May 2025 10:45 (15 minutes)

Presenter: CLAUDI, Riccardo

Session Classification: Young Objects

Contribution ID: 70

Type: **not specified**

Updates on V1298 Tau

Thursday 15 May 2025 11:30 (25 minutes)

Presenter: M. DAMASSO, P. LEONARDI

Session Classification: Young Objects

Contribution ID: 71

Type: **not specified**

Chromospheric magnetic activity index and age in solar-like stars

Thursday 15 May 2025 11:55 (15 minutes)

Presenter: LANZA, Antonino Francesco

Session Classification: Young Objects

Contribution ID: 72

Type: **not specified**

Introduction

Wednesday 14 May 2025 12:30 (10 minutes)

Presenter: V. NASCIMBENI, A. BONOMO, F. BORSA

Session Classification: Planetary Atmospheres

Contribution ID: 73

Type: **not specified**

KELT-9b

Wednesday 14 May 2025 14:15 (15 minutes)

Presenter: M.C. D'ARPA, F. BORSA

Session Classification: Planetary Atmospheres

Contribution ID: 74

Type: **not specified**

GUIBRUSHR: a multi-instrument HR and LR atmospheric analysis code

Wednesday 14 May 2025 14:30 (20 minutes)

Presenter: GIACOBBE, Paolo

Session Classification: Planetary Atmospheres

Contribution ID: 75

Type: **not specified**

Multi-instrument atmospheric characterization of the warm super-Neptune WASP-107b using GUIBRUSH®

Wednesday 14 May 2025 14:50 (20 minutes)

Presenter: AMADORI, Francesco

Session Classification: Planetary Atmospheres

Contribution ID: 76

Type: **not specified**

Chemical investigation of KELT-9 b atmosphere with high resolution transmission spectroscopy

Wednesday 14 May 2025 15:10 (20 minutes)

Presenter: DI PAOLA, Alessia

Session Classification: Planetary Atmospheres

Contribution ID: 77

Type: **not specified**

The impact of high-energy radiation on planetary chemical and physical properties

Thursday 15 May 2025 12:10 (20 minutes)

Presenter: LOCCI, Daniele

Session Classification: Young Objects

Contribution ID: 78

Type: **not specified**

Evolutionary histories of exoplanets: THE Stellar PAth modeling framework

Thursday 15 May 2025 12:30 (20 minutes)

Presenter: A. MAGGIO, D. LOCCI, R. SPINELLI

Session Classification: Young Objects

Contribution ID: 79

Type: **not specified**

Discussion

Thursday 15 May 2025 12:50 (10 minutes)

Session Classification: Young Objects

Contribution ID: **80**

Type: **not specified**

The first atmospheric investigation of the gas giant WASP-13 b with GIARPS

Wednesday 14 May 2025 16:00 (25 minutes)

Presenter: D. SICILIA, M. BASILICATA

Session Classification: Planetary Atmospheres

Contribution ID: **81**

Type: **not specified**

The Dayside of WASP-76 b revealed by GIARPS and ESPRESSO: Evidence for Three-Dimensional Atmospheric Effects

Wednesday 14 May 2025 12:40 (20 minutes)

Presenter: GUILLUY, Gloria

Session Classification: Planetary Atmospheres

Contribution ID: **82**

Type: **not specified**

Telluric correction using neural networks

Wednesday 14 May 2025 16:25 (20 minutes)

Presenter: BIASSONI, Federico

Session Classification: Planetary Atmospheres

Contribution ID: 83

Type: **not specified**

Probing the signatures of longitudinal disequilibrium chemistry in hot-Jupiters

Wednesday 14 May 2025 16:45 (20 minutes)

Presenter: DE AZEVEDO SILVA, Tomas

Session Classification: Planetary Atmospheres

Contribution ID: **84**

Type: **not specified**

GENERAL DISCUSSION on GAPS/AT

Wednesday 14 May 2025 17:05 (25 minutes)

Session Classification: Planetary Atmospheres

Contribution ID: **85**

Type: **not specified**

Discussion

Wednesday 14 May 2025 12:20 (10 minutes)

Session Classification: General themes

Contribution ID: **86**

Type: **not specified**

Updates AOT50 He/Ha

Friday 16 May 2025 10:10 (15 minutes)

Presenter: SPINELLI, Riccardo

Session Classification: Junior proposals

Contribution ID: 87

Type: **not specified**

Updates AOT51 TOI-1135

Friday 16 May 2025 10:25 (15 minutes)

Presenter: PICCININI, Giulia

Session Classification: Junior proposals

Contribution ID: **88**

Type: **not specified**

Proposal D'Arpa AOT52

Friday 16 May 2025 10:40 (10 minutes)

Presenter: D'ARPA, Mattia

Session Classification: Junior proposals

Contribution ID: **89**

Type: **not specified**

Proposal Di Maio AOT52

Friday 16 May 2025 10:50 (10 minutes)

Presenter: DI MAIO, Claudia

Session Classification: Junior proposals

Contribution ID: **90**

Type: **not specified**

Status of the GFU Program

Thursday 15 May 2025 14:30 (20 minutes)

Presenter: DAMASSO, Mario

Session Classification: Gaia Follow Up

Contribution ID: 91

Type: **not specified**

Papers almost ready: SO14 (HD128717) / false positives, validation, and confirmation of Gaia DR3 candidates

Thursday 15 May 2025 14:50 (20 minutes)

Presenter: M.PINAMONTI / D.BARBATO

Session Classification: Gaia Follow Up

Contribution ID: **92**

Type: **not specified**

A multi-planet system around GFU08 / HD 29021

Thursday 15 May 2025 15:10 (20 minutes)

Presenter: M.PINAMONTI / D.BARBATO

Session Classification: Gaia Follow Up

Contribution ID: 93

Type: **not specified**

Status of the HONEI survey

Thursday 15 May 2025 16:20 (20 minutes)

Presenter: L.MANCINI / L.NAPONIELLO

Session Classification: Neptunian planets

Contribution ID: 94

Type: **not specified**

TOI-5795 b: a hot super-Neptune orbiting a metal-poor star in the Neptunian ridge

Thursday 15 May 2025 16:40 (20 minutes)

Presenter: MANNI, Francesca

Session Classification: Neptunian planets

Contribution ID: 95

Type: **not specified**

Introducing NOCTIS, a coordinated network of small telescopes

Thursday 15 May 2025 17:00 (20 minutes)

Presenter: RAINER, Monica

Session Classification: Miscellaneous

Contribution ID: 96

Type: **not specified**

Discussion - Dissemination activities for 51 Peg b Anniversary

Thursday 15 May 2025 17:20 (40 minutes)

Session Classification: Miscellaneous

Contribution ID: 97

Type: **not specified**

Proposal Manni

Friday 16 May 2025 11:00 (10 minutes)

Presenter: MANNI, Francesca

Session Classification: Junior proposals

Contribution ID: 98

Type: **not specified**

Occurrence rates of small close-in planets in the presence of a Jupiter-like companion

Thursday 15 May 2025 15:30 (20 minutes)

Presenter: RUGGIERI, Alessandro

Session Classification: Gaia Follow Up