

STARS (Across the Universe)

Report of Contributions

Contribution ID: 93

Type: **not specified**

Final Remarks

Contribution ID: 94

Type: **not specified**

Public Conference: Un problema di estrema gravità: i buchi neri...non sono buchi e non sono neri!

Friday, 20 October 2023 20:30 (1 hour)

Presenter: FUSI PECCI, Flavio

Contribution ID: 95

Type: **not specified**

The Extended Westerlund One Chandra, and JWST, Survey (EWOCS): project status and preliminary results

Wednesday, 18 October 2023 12:30 (20 minutes)

Presenter: GUARCELLO, Mario

Session Classification: Star forming regions and open clusters

Contribution ID: 96

Type: **not specified**

Multi-Burst Star Formation in the Orion Nebula Cluster: Insights from the ADHOC Survey and Gaia DR3

Wednesday, 18 October 2023 11:10 (20 minutes)

Presenter: BECCARI, Giacomo

Session Classification: Star forming regions and open clusters

Contribution ID: 97

Type: **not specified**

Spectroscopy of young red supergiants in the Galactic disc (in young clusters and associations)

Wednesday, 18 October 2023 11:30 (20 minutes)

Presenter: FANELLI, Cristiano

Session Classification: Star forming regions and open clusters

Contribution ID: 98

Type: **not specified**

High resolution spectroscopy of open clusters: results from the SPA LP @TNG

Wednesday, 18 October 2023 11:50 (20 minutes)

Presenter: BRAGAGLIA, Angela

Session Classification: Star forming regions and open clusters

Contribution ID: 99

Type: **not specified**

The future of open clusters

Thursday, 19 October 2023 10:00 (20 minutes)

Presenter: VALLENARI, Antonella

Session Classification: Stellar Astrophysics

Contribution ID: **100**

Type: **not specified**

PARSEC: Stellar Evolution Model with Rotation and Thermohaline Mixing

Monday, 16 October 2023 14:20 (20 minutes)

Presenter: NGUYEN, Chi Thanh

Session Classification: Stellar Astrophysics

Contribution ID: **101**

Type: **not specified**

Improving stellar age estimates using star clusters, binary stars and asteroseismology

Monday, 16 October 2023 14:40 (20 minutes)

Presenter: BROGAARD, Karsten

Session Classification: Stellar Astrophysics

Contribution ID: **102**

Type: **not specified**

A bridge to the end of the life of a star

Monday, 16 October 2023 15:00 (20 minutes)

Presenter: TOSI, Silvia

Session Classification: Stellar Astrophysics

Contribution ID: **103**

Type: **not specified**

Core overshooting calibration with eclipsing binaries: statistical errors and systematic biases

Monday, 16 October 2023 15:20 (20 minutes)

Presenter: PRADA MORONI, Pier Giorgio

Session Classification: Stellar Astrophysics

Contribution ID: **104**

Type: **not specified**

A study of primordial very massive star evolution

Monday, 16 October 2023 15:40 (20 minutes)

Presenter: VOLPATO, Guglielmo

Session Classification: Stellar Astrophysics

Contribution ID: 105

Type: **not specified**

Pair Instability Supernovae and their progenitors across the Universe

Tuesday, 17 October 2023 15:40 (20 minutes)

Presenter: GABRIELLI, Francesco

Session Classification: Stellar Astrophysics

Contribution ID: **106**

Type: **not specified**

Evolutionary stellar populations synthesis analysis of relativistic stellar explosions

Tuesday, 17 October 2023 16:00 (20 minutes)

Presenter: IZZO, Luca

Session Classification: Stellar Astrophysics

Contribution ID: **107**

Type: **not specified**

Rotating CO WDs with sdB companions: potential candidate of thermonuclear events?

Tuesday, 17 October 2023 16:50 (20 minutes)

Presenter: PIERSANTI, Luciano

Session Classification: Stellar Astrophysics

Contribution ID: **108**

Type: **not specified**

The initial mass –remnant mass relation for core-collapse supernovae

Tuesday, 17 October 2023 17:10 (20 minutes)

Presenter: UGOLINI, Cristiano

Session Classification: Stellar Astrophysics

Contribution ID: **109**

Type: **not specified**

Formation of massive binary black holes from Population II and III stars

Tuesday, 17 October 2023 17:30 (20 minutes)

Presenter: COSTA, Guglielmo

Session Classification: Stellar Astrophysics

Contribution ID: **110**

Type: **not specified**

Discussion

Session Classification: Stellar Astrophysics

Contribution ID: 111

Type: **not specified**

Probing our Solar Neighbourhood: Stellar Yields, Formation Scenarios, and Stellar Radial Migration

Friday, 20 October 2023 09:00 (20 minutes)

Presenter: PALLA, Marco

Session Classification: Galactic Disk

Contribution ID: 112

Type: **not specified**

The star formation history of the Milky Way disk

Friday, 20 October 2023 09:20 (20 minutes)

Presenter: CIGNONI, Michele

Session Classification: Galactic Disk

Contribution ID: 113

Type: **not specified**

The Milky Way spiral structure & Outer disc kinematics with Cepheids

Friday, 20 October 2023 09:40 (20 minutes)

Presenter: KHANNA, Shourya

Session Classification: Galactic Disk

Contribution ID: 114

Type: **not specified**

The chemical enrichment history of the Galactic thin disk traced by Classical Cepheids

Friday, 20 October 2023 10:00 (20 minutes)

Presenter: BONO, Giuseppe

Session Classification: Galactic Disk

Contribution ID: 115

Type: **not specified**

On the origin of the Icarus stream (a stream in the disc)

Presenter: RE FIORENTIN, Paola

Session Classification: Galactic Disk

Contribution ID: 116

Type: **not specified**

"Young" alpha-rich stars in the Galaxy

Tuesday, 17 October 2023 12:10 (20 minutes)

Presenter: GRISONI, Valeria

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 117

Type: **not specified**

Abundance analysis of nearby red giants and red clump stars: combining high resolution spectroscopy and asteroseismology

Tuesday, 17 October 2023 12:30 (20 minutes)

Presenter: VERNEKAR, Nagaraj

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: **118**

Type: **not specified**

First results of the MINCE survey (chemical tagging of MP stars in the MW)

Tuesday, 17 October 2023 14:30 (20 minutes)

Presenter: CESCUTTI, Gabriele

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 119

Type: **not specified**

Exploiting the orthogonal constraints offered by high-precision age and chemistry

Tuesday, 17 October 2023 14:50 (20 minutes)

Presenter: CASALI, Giada

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 120

Type: **not specified**

The age of the Galactic Bulge

Tuesday, 17 October 2023 15:10 (20 minutes)

Presenter: VALENTI, Elena

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 121

Type: **not specified**

Tidying-up the retrograde Halo with high-resolution spectroscopy

Monday, 16 October 2023 16:30 (20 minutes)

Presenter: CECCARELLI, Edoardo

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 122

Type: **not specified**

Milky Way helium enrichment constrained by red clump stars

Monday, 16 October 2023 16:50 (20 minutes)

Presenter: WILLETT, Emma

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 123

Type: **not specified**

The old spheroid at the center of the Milky Way as traced by RR Lyrae variables

Monday, 16 October 2023 17:10 (20 minutes)

Presenter: ZOCALI, Manuela

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 124

Type: **not specified**

Fossil fragments tracing the formation process of the Galactic Bulge

Monday, 16 October 2023 17:30 (20 minutes)

Presenter: FERRARO, Francesco

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 125

Type: **not specified**

Discussion

Session Classification: The Galaxy & Galactic Archeology

Contribution ID: 126

Type: **not specified**

The extreme MgAl chain as a probe for the Multiple Populations in Omega Centauri

Tuesday, 17 October 2023 10:00 (20 minutes)

Presenter: ALVAREZ GARAY, Deimer Antonio

Session Classification: Globular Clusters

Contribution ID: 127

Type: **not specified**

The JWST view on multiple populations in bulge globular clusters

Tuesday, 17 October 2023 11:30 (20 minutes)

Presenter: CADELANO, Mario

Session Classification: Globular Clusters

Contribution ID: 128

Type: **not specified**

The young LMC double cluster NGC 1850: a progenitor of a typical multiple populations in GC?

Tuesday, 17 October 2023 10:20 (20 minutes)

Presenter: CARINI, Roberta

Session Classification: Globular Clusters

Contribution ID: **129**

Type: **not specified**

Dynamical evolution of Multiple Populations in Globular Clusters

Tuesday, 17 October 2023 11:10 (20 minutes)

Presenter: TEODORI, Matteo

Session Classification: Globular Clusters

Contribution ID: 130

Type: **not specified**

Modelling the formation of multiple stellar population in globular clusters

Tuesday, 17 October 2023 11:50 (20 minutes)

Presenter: LACCHIN, Elena

Session Classification: Globular Clusters

Contribution ID: **131**

Type: **not specified**

Discussion

Session Classification: Globular Clusters

Contribution ID: 132

Type: **not specified**

RGB mass loss from multiple populations in Globular clusters

Wednesday, 18 October 2023 14:10 (20 minutes)

Presenter: TAILO, Marco

Session Classification: Globular Clusters

Contribution ID: 133

Type: **not specified**

Exploring the internal kinematics of Galactic Globular Clusters

Wednesday, 18 October 2023 14:30 (20 minutes)

Presenter: LEANZA, Silvia

Session Classification: Globular Clusters

Contribution ID: 134

Type: **not specified**

Constraining Globular Cluster properties and studying their stellar population using IR Photometry: from HST to JWST

Wednesday, 18 October 2023 14:50 (20 minutes)

Presenter: CORRENTI, Matteo

Session Classification: Globular Clusters

Contribution ID: 135

Type: **not specified**

Globular clusters: equally old, but dynamically different

Wednesday, 18 October 2023 15:10 (20 minutes)

Presenter: LANZONI, Barbara

Session Classification: Globular Clusters

Contribution ID: 136

Type: **not specified**

Evolved stars in metal-poor dwarf galaxies: calibration of asymptotic giant branch and core-Helium burning models

Wednesday, 18 October 2023 10:20 (20 minutes)

Presenter: PASTORELLI, Giada

Session Classification: Local Group & Nearby Universe

Contribution ID: 137

Type: **not specified**

The chemical DNA of the Magellanic Clouds

Wednesday, 18 October 2023 09:40 (20 minutes)

Presenter: MUCCIARELLI, Alessio

Session Classification: Local Group & Nearby Universe

Contribution ID: 138

Type: **not specified**

LEO I, the dwarf galaxy with a super-massive black hole (?)

Wednesday, 18 October 2023 09:20 (20 minutes)

Presenter: PASCALE, Raffaele

Session Classification: Local Group & Nearby Universe

Contribution ID: 139

Type: **not specified**

Star-forming regions in the tails of jellyfish galaxies

Wednesday, 18 October 2023 10:00 (20 minutes)

Presenter: WERLE, Ariel

Session Classification: Local Group & Nearby Universe

Contribution ID: 140

Type: **not specified**

Stars as peering tools of the spacetime fabric

Wednesday, 18 October 2023 09:00 (20 minutes)

Presenter: CROSTA, Maria Teresa

Session Classification: Local Group & Nearby Universe

Contribution ID: 141

Type: **not specified**

Fundamental parameters of magnetically active solar-like stars observed by TESS

Thursday, 19 October 2023 09:40 (20 minutes)

Presenter: DI MAURO, Maria Pia

Session Classification: Stellar Astrophysics

Contribution ID: 142

Type: **not specified**

Magnetic mixing and s-processing in AGB stars

Thursday, 19 October 2023 09:00 (20 minutes)

Presenter: VESCOVI, Diego

Session Classification: Stellar Astrophysics

Contribution ID: 143

Type: **not specified**

The plague of magnetic spots among the hot stars in globular clusters: a bridge between MS and WD stars

Thursday, 19 October 2023 09:20 (20 minutes)

Presenter: ZAGGIA, Simone

Session Classification: Stellar Astrophysics

Contribution ID: 144

Type: **not specified**

MAUVE : A UV-Vis spectroscopy facility dedicated to studying the magnetic activity of active stars

Thursday, 19 October 2023 10:20 (20 minutes)

Presenter: MAJIDI, Fatemeh Zahra

Session Classification: Stellar Astrophysics

Contribution ID: 145

Type: **not specified**

Studies of young open clusters with high-resolution spectroscopy and high-precision photometry

Wednesday, 18 October 2023 12:10 (20 minutes)

Presenter: FRASCA, Antonio

Session Classification: Star forming regions and open clusters

Contribution ID: 146

Type: **not specified**

Observational study of Li-rich giants in open clusters with high resolution spectroscopy

Thursday, 19 October 2023 11:30 (20 minutes)

Presenter: TSANTAKI, Maria

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 147

Type: **not specified**

Is the riddle of the Li origin solved?

Thursday, 19 October 2023 11:50 (20 minutes)

Presenter: MOLARO, Paolo

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 148

Type: **not specified**

Impact of newly measured $^{26}\text{Al}(n, p)^{26}\text{Mg}$ and $^{26}\text{Al}(n, \alpha)^{23}\text{Na}$ reaction rates on the nucleosynthesis of ^{26}Al in stars

Thursday, 19 October 2023 11:10 (20 minutes)

Presenter: BATTINO, Umberto

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: **149**

Type: **not specified**

Discussion

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 150

Type: **not specified**

Super Stars: Extreme Life and Death of Very Massive Stars

Thursday, 19 October 2023 14:30 (20 minutes)

Presenter: SHEPHERD, Kendall

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 151

Type: **not specified**

Numerical estimation of early-stage Kilonova ejecta opacity reproducible in laboratory plasmas

Thursday, 19 October 2023 14:50 (20 minutes)

Presenter: BEZMALINOVICH, Matteo

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 152

Type: **not specified**

The p-process nucleosynthesis in core-collapse supernovae

Thursday, 19 October 2023 15:10 (20 minutes)

Presenter: ROBERTI, Lorenzo

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 153

Type: **not specified**

Discussion

Session Classification: Chemical evolution and nucleosynthesis

Contribution ID: 154

Type: **not specified**

The Galactic halo told by RR Lyrae stars

Friday, 20 October 2023 10:20 (20 minutes)

Presenter: FIORENTINO, Giuliana

Session Classification: Galactic Disk

Contribution ID: 155

Type: **not specified**

Light Curve's Recovery with the Rubin Observatory's (LSST)

Tuesday, 17 October 2023 09:20 (20 minutes)

Presenter: DI CRISCIENZO, Marcella

Session Classification: Variable Stars

Contribution ID: 156

Type: **not specified**

Pushing accuracy and precision of pulsating stars as distance indicators at NIR wavelengths

Tuesday, 17 October 2023 09:00 (20 minutes)

Presenter: BHARDWAJ, Anupam

Session Classification: Variable Stars

Contribution ID: 157

Type: **not specified**

Gaia DR3 metallicity of RR Lyrae stars: tips, pitfalls and comparisons

Wednesday, 18 October 2023 16:20 (20 minutes)

Presenter: GAROFALO, Alessia

Session Classification: Variable Stars

Contribution ID: 158

Type: **not specified**

Cepheid Metallicity in the Leavitt Law (C- MetaLL). The metallicity dependence of Cepheid Period-Luminosity relations

Wednesday, 18 October 2023 16:40 (20 minutes)

Presenter: TRENTIN, Erasmo

Session Classification: Variable Stars

Contribution ID: 159

Type: **not specified**

An updated theoretical scenario for Anomalous Cepheids

Tuesday, 17 October 2023 09:40 (20 minutes)

Presenter: DE SOMMA, Giulia

Session Classification: Variable Stars

Contribution ID: **160**

Type: **not specified**

Comparing BL Her models and observations at multiple wavelengths

Wednesday, 18 October 2023 16:00 (20 minutes)

Presenter: DAS, Susmita

Session Classification: Variable Stars

Contribution ID: **161**

Type: **not specified**

HRMOS A high-resolution multi-object spectrograph for the VLT

Friday, 20 October 2023 11:10 (20 minutes)

Presenter: RANDICH, Sofia

Session Classification: Surveys, Instruments & tools

Contribution ID: 162

Type: **not specified**

How to handle future instrumentation's large images with a variable and structured PSF using Starfinder2

Friday, 20 October 2023 11:30 (20 minutes)

Presenter: SCHREIBER, Laura

Session Classification: Surveys, Instruments & tools

Contribution ID: 163

Type: **not specified**

The Gaia Mission: a focus on where we are for better positioning our community in post operations (DR4 and 5) and beyond.

Friday, 20 October 2023 11:50 (20 minutes)

Presenter: BUCCIARELLI, Beatrice

Session Classification: Surveys, Instruments & tools

Contribution ID: **164**

Type: **not specified**

Final discussion and Actions to promote the activities of our community

Friday, 20 October 2023 12:10 (1 hour)

Presenter: MICHELE BELLAZZINI, Marcella Marconi &

Contribution ID: **165**

Type: **not specified**

Discussion

Session Classification: Variable Stars

Contribution ID: **166**

Type: **not specified**

Discussion

Tuesday, 17 October 2023 17:50 (40 minutes)

Contribution ID: **167**

Type: **not specified**

Discussion

Monday, 16 October 2023 17:50 (40 minutes)

Contribution ID: **168**

Type: **not specified**

Discussion

Wednesday, 18 October 2023 17:00 (40 minutes)

Contribution ID: **169**

Type: **not specified**

Discussion

Thursday, 19 October 2023 15:30 (40 minutes)

Contribution ID: **170**

Type: **not specified**

Posters

Session Classification: Poster Session