

Celebrating 450 yrs of Tycho's Nova Stella : the physics of supernova remnants

EAS 2022, VALENCIA, SPAIN, June 27th-July 1st 2022

Tuesday June 28
9:00-12h45 & 17:30 - 19:00

Special Session 17 Program

🕒 09:00 - 09:25

1072 History of the SN 1572 discovery (and its color evolution)
Prof Ralph Neuhaeuser
Invited talk

Interstellar medium
Accepted oral

🕒 09:25 - 09:50

2331 Modeling the path from massive stars to supernovae and supernova remnants: recent advances and future prospects
Dr Salvatore Orlando
Invited talk

Interstellar medium
Accepted oral

🕒 09:50 - 10:03

1910 Type Ia Supernova Remnants, Circumstellar Interaction, and Supernova Progenitors
Dr Carles Badenes
Contributed talk

Interstellar medium
Accepted oral

🕒 10:03 - 10:16

1833 Two Decades of Evolution in Tycho: An X-ray Perspective
Dr Brian Williams
Contributed talk

Interstellar medium
Accepted oral

🕒 10:16 - 10:30

169 Study of the Tycho supernova remnant's asymmetries with three dimensional velocity vector field
Mrs Leïla Godinaud
Contributed talk

Interstellar medium
Accepted oral

🕒 11:15 - 11:40

333 First results on SNRs from the eROSITA X-ray survey
Prof Manami Sasaki
Invited talk

Interstellar medium
Accepted oral

🕒 11:40 - 12:05

1672 Perspectives on SNR physics with high-resolution X-ray spectroscopy
Dr Anne Decourchelle
Invited talk

Interstellar medium
Accepted oral

🕒 12:05 - 12:18

625 X-ray Line Diagnostics of the Cosmic-Ray Accelerating Shock by XRISM and Athena
Dr Jiro Shimoda
Contributed talk

Interstellar medium
Accepted oral

🕒 12:18 - 12:31

1249 Discovery of Year-Scale Time Variabilities of Thermal and Non-Thermal X-ray Emission in Tycho's Supernova Remnant
Mr Masamune Matsuda
Contributed talk

Interstellar medium
Accepted oral

🕒 12:31 - 12:45

271 A spatially resolved study of hard X-ray emission in Kepler's SNR: indications of different regimes of particle acceleration
Mr Vincenzo Sapienza
Contributed talk

Interstellar medium
Accepted oral

🕒 17:30 - 17:55

253 Particle acceleration at supernova remnants: where we stand and where we go
Mr Pierre Cristofari
Invited talk

Interstellar medium
Accepted oral

🕒 17:55 - 18:20

2332 Status of the CTAO and its view on particle acceleration in SNRs
Dr Roberta Zanin
Invited talk

Interstellar medium
Accepted oral

🕒 18:20 - 18:33

347 The supernova remnant SN 1006 as a Galactic particle accelerator
Mrs Roberta Giuffrida
Contributed talk

Interstellar medium
Accepted oral

🕒 18:33 - 18:46

204 New cosmic-ray acceleration sites within supernova remnants detected by the Fermi-LAT
Dr Marianne Lemoine-goumard
Contributed talk

Interstellar medium
Accepted oral

🕒 18:46 - 19:00

1199 Gamma rays from the remnant of Kepler's SN
Dmitry Prokhorov
Contributed talk

Interstellar medium
Accepted oral