

**High Redshift
Gamma-Ray-Bursts in the
JWST era**

Report of Contributions

Contribution ID: 1

Type: **not specified**

High energy emission from GRBs

Monday, 9 January 2023 09:15 (45 minutes)

Presenter: PIRAN, Tsvi

Session Classification: High redshift GRBs

Contribution ID: 2

Type: **not specified**

High redshift GRB population studies: clues on their cosmic evolution

Monday, 9 January 2023 10:00 (45 minutes)

Presenter: GHIRLANDA, Giancarlo

Session Classification: High redshift GRBs

Contribution ID: 3

Type: **not specified**

Gamma-Ray Bursts central engine in the multi-messenger era

Monday, 9 January 2023 10:45 (45 minutes)

Presenter: BERNARDINI, Maria Grazia (INAF - Osservatorio Astronomico di Brera)

Session Classification: High redshift GRBs

Contribution ID: 4

Type: **not specified**

Cosmic GRB formation rate studied on the largest homogeneous sample of bursts detected over a broad energy band

Monday, 9 January 2023 16:30 (45 minutes)

Presenter: TSVETKOVA, Anastasia

Session Classification: High redshift GRBs

Contribution ID: 5

Type: **not specified**

The rate and production efficiency of high redshift long GRBs from modelling and observations

Monday, 9 January 2023 17:15 (45 minutes)

Presenter: PALMERIO, Jesse

Session Classification: High redshift GRBs

Contribution ID: 6

Type: **not specified**

Shedding light on "Dark Energy" and Universe expansion history with Gamma-Ray Bursts

Monday, 9 January 2023 18:00 (45 minutes)

Presenter: AMATI, Lorenzo (INAF - IASF Bologna)

Session Classification: High redshift GRBs

Contribution ID: 8

Type: **not specified**

High redshift Gamma-Ray-Bursts in the JWST era

Tuesday, 10 January 2023 09:15 (45 minutes)

Presenter: VERGANI, Susanna

Session Classification: Observation of GRBs at high redshift

Contribution ID: 9

Type: **not specified**

Shedding light on the early universe with next generation GRB missions

Tuesday, 10 January 2023 10:00 (45 minutes)

Presenter: AMATI, Lorenzo (INAF - IASF Bologna)

Session Classification: Observation of GRBs at high redshift

Contribution ID: **10**

Type: **not specified**

Probing high-z GRB progenitors with X-ray spectroscopy

Tuesday, 10 January 2023 10:45 (45 minutes)

Presenter: PIRO, Luigi (IAPS/INAF)

Session Classification: Observation of GRBs at high redshift

Contribution ID: 11

Type: **not specified**

Distributed architectures for multimessenger astrophysics

Tuesday, 10 January 2023 16:30 (45 minutes)

Presenter: FIORE, Fabrizio (INAF-OAR)

Session Classification: Observation of GRBs at high redshift

Contribution ID: 12

Type: **not specified**

Directional detection of GRBs

Tuesday, 10 January 2023 17:15 (45 minutes)

Presenter: BEHAR, Ehud

Session Classification: Observation of GRBs at high redshift

Contribution ID: 13

Type: **not specified**

Supernova explosions in the Multi-Messenger era

Tuesday, 10 January 2023 18:00 (45 minutes)

Presenter: DELLA VALLE, Massimo (Capodimonte Observatory - INAF, Naples)

Session Classification: Observation of GRBs at high redshift

Contribution ID: 14

Type: **not specified**

Short Gamma-ray burst in the multi-messenger era: situation and perspectives

Wednesday, 11 January 2023 09:15 (45 minutes)

Presenter: D'AVANZO, Paolo (INAF - Osservatorio Astronomico di Brera)

Session Classification: Short GRBs and their progenitors

Contribution ID: 15

Type: **not specified**

The distribution of the delay times of binary neutron star mergers

Wednesday, 11 January 2023 10:00 (45 minutes)

Presenter: GREGGIO, Laura

Session Classification: Short GRBs and their progenitors

Contribution ID: 16

Type: **not specified**

On the hosts of neutron star mergers in the nearby Universe

Wednesday, 11 January 2023 10:45 (45 minutes)

Presenter: CAVALLO, Lorenzo

Session Classification: Short GRBs and their progenitors

Contribution ID: 17

Type: **not specified**

Short GRBs and production of heavy elements

Wednesday, 11 January 2023 16:30 (45 minutes)

Presenter: MATTEUCCI, Maria Francesca (T)

Session Classification: Short GRBs and their progenitors

Contribution ID: **18**

Type: **not specified**

Predicted rates of sGRBs in galaxies

Wednesday, 11 January 2023 17:15 (45 minutes)

Presenter: MOLERO, Marta

Session Classification: Short GRBs and their progenitors

Contribution ID: 19

Type: **not specified**

CubeSats and Distributed Astronomy: from the HERMES fleet to the flight of the ALBATROS, surfing the waves of quantum space-time

Wednesday, 11 January 2023 18:00 (45 minutes)

Presenter: BURDERI, Luciano

Session Classification: Short GRBs and their progenitors

Contribution ID: 20

Type: **not specified**

Exploring the reionization era with GRBs

Thursday, 12 January 2023 09:15 (45 minutes)

Presenter: TANVIR, Nial

Session Classification: High redshift

Contribution ID: 21

Type: **not specified**

ALMA view of high z galaxies

Thursday, 12 January 2023 10:00 (45 minutes)

Presenter: FERUGLIO, Chiara

Session Classification: High redshift

Contribution ID: 22

Type: **not specified**

**Dissecting the interstellar medium of a $z=6.3$ galaxy.
X-shooter spectroscopy and HST imaging of the
afterglow and environment of the Swift GRB 210905A**

Thursday, 12 January 2023 16:30 (45 minutes)

Presenter: SACCARDI, Andrea

Session Classification: High redshift

Contribution ID: 23

Type: **not specified**

Cold gas and dust properties of the first QSOs

Thursday, 12 January 2023 17:15 (45 minutes)

Presenter: TRIPODI, Roberta

Session Classification: High redshift

Contribution ID: 24

Type: **not specified**

X-ray Absorption of High-z GRBs

Thursday, 12 January 2023 10:45 (45 minutes)

Presenter: BEHAR, Ehud

Session Classification: High redshift

Contribution ID: 26

Type: **not specified**

Towards 15-years of Gamma-Ray Burst observations with Fermi

Friday, 13 January 2023 09:15 (45 minutes)

Presenter: BISSALDI, Elisabetta (Istituto Nazionale di Fisica Nucleare)

Session Classification: High energy observations of GRBs

Contribution ID: 27

Type: **not specified**

GRBs at the highest energies

Friday, 13 January 2023 10:00 (45 minutes)

Presenter: LONGO, Francesco (Istituto Nazionale di Fisica Nucleare)

Session Classification: High energy observations of GRBs

Contribution ID: 29

Type: **not specified**

Concluding Remarks

Friday, 13 January 2023 10:45 (30 minutes)

Presenter: MATTEUCCI, Maria Francesca (T)

Session Classification: High energy observations of GRBs