

# **Astrophysics of LIGO/Virgo sources in O3 era**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Jan20-1: LIGO-Virgo's 3rdObserving Run (so far) Status of Ground-Based GW Astronomy by Ben Farr**

Contribution ID: 3

Type: **not specified**

## **Jan20-2: A few notes on the public GW data by Tomek Bulik and Neha Singh**

Contribution ID: 5

Type: **not specified**

## **Jan20-4: EM observational constraints on BHs and NSs by Lidia Oskinova**

Contribution ID: 8

Type: **not specified**

## **Jan21-1: Population-synthesis by Coen Neijssel**

Contribution ID: 10

Type: **not specified**

**Jan21-2: Population synthesis predictions: what is  
alreadydone and what's possible now? by Pawel  
Drozda**

Contribution ID: 11

Type: **not specified**

**Jan21-3: ASTROPHYSICSOF GW SOURCES: THE  
COSMIC HISTORYOF STARAND METAL  
FORMATION by Piero Madau**

Contribution ID: 22

Type: **not specified**

## **Jan21-4: SFR history & chemical evolution of the Universe by Martyna Crruslinska**



Contribution ID: 23

Type: **not specified**

## **Jan21-5: Cosmological Simulations by Chiaki Kobayashi**

Contribution ID: 24

Type: **not specified**

## **Jan22-2: 1Uncertainties in 1D Massive Star Models by Jakub Klencki**

Contribution ID: 25

Type: **not specified**

## **Jan23-1: Explosions From Stellar Collapse: Understanding mass gaps by Chris Fryer**

Contribution ID: 26

Type: **not specified**

## **Jan22-3: Uncertainties in Massive Star Models by Marco Limongi**

Contribution ID: 27

Type: **not specified**

## **Jan23-3: Exotic Supernovae and their Back Holes by Ken Chen**

Contribution ID: 28

Type: **not specified**

## **Jan22-4: Close binary evolution and Gravitational Wave Sources by Natasha Ivanova**

The video will be available soon.

Contribution ID: 29

Type: **not specified**

**Jan24-2: ELECTROMAGNETIC COUNTERPARTS OF  
GRAVITATIONAL WAVES by Marica Branchesi and  
Kendall Ackley**

Contribution ID: 30

Type: **not specified**

**Jan23-4: Two limits of supernovae: Electron capture  
supernova Pulsational pair-instability supernova by  
Leung Shing Chi**



Contribution ID: 31

Type: **not specified**

## **Jan22-1: Stellar rotation and its influence on BH-BH/BHNS/NS-NS by Raphael Hirschi**

Contribution ID: 32

Type: **not specified**

## **Jan24-1: Binary Models versus LIGO/Virgo data by Chris Belczynski**

Contribution ID: 33

Type: **not specified**

## **Jan24-3: BBH formation in globular clusters by Tomek Bulik and Dorota Rosińska**

Contribution ID: 34

Type: **not specified**

## **Jan20-3: O2 Population Results by Zoheyr Doctor**

Contribution ID: 35

Type: **not specified**

## **Jan23-2: Mass Gaps and Nucleosynthesis in Black-hole-forming Supernovae by Ken'ichi Nomoto**