



# Machine Learning in Gravitational Wave search: g2net next challenges

## Wednesday, 28 September 2022

### G2net result presentations: G2net result presentations - Auditorium (12:20 - 13:00)

time	[id] title	presenter
12:20	[14] Searches for Mass-Asymmetric Compact Binary Coalescence Events using Neural Networks in the LIGO/Virgo Third Observation Period	MARTINEZ, Mario
12:40	[20] Deep Residual Networks for GW Astronomy	NOUSI, Paraskevi

### G2net result presentations - Auditorium (15:00 - 16:00)

time	[id] title	presenter
15:00	[13] WG3 perspective after 4 years of g2net	PETRE, Luigia
15:30	[11] Pros and Cons of Mobile Sensors	BONSIGNORIO, Fabio

### G2net result presentations - Auditorium (16:15 - 16:55)

time	[id] title	presenter
16:15	[12] Robot mobile platform for remote sensing	NIERADKA, Grzegorz
16:35	[28] Automatic Hierarchical Exploration of Continuous Seismic Signal with Unsupervised Learning	ZERFAFA, Christopher

# Thursday, 29 September 2022

## **G2net result presentations - Auditorium (11:10 - 11:30)**

time	[id] title	presenter
11:10	[24] Outsourcing astrophysics data analysis to the real experts	BAYLEY, Joe

## **G2net result presentations - Auditorium (14:30 - 15:50)**

time	[id] title	presenter
14:30	[23] Glitch Hunting with Machine Learning	RAZZANO, massimiliano
14:50	[25] Learning to detect continuous gravitational waves	TENORIO, Rodrigo
15:10	[29] Neural Networks Applications For Core-Collapse Supernovae Searches	Dr IESS, Alberto
15:30	[30] G2net Outreach and Communication Activities	CORDERO, Isabel