



# Machine Learning in Gravitational Wave search: g2net next challenges

## Thursday, 29 September 2022

### Contributed talks - Auditorium (09:10 - 10:40)

time	[id] title	presenter
09:10	[18] Nonstationary Signals Analysis: New opportunities from the Mathematics of Signal Processing	CICONE, Antonio
09:30	[22] Characterization of LIGO/Virgo selection effects with neural networks	GEROSA, Davide
09:50	[21] ML acceleration of binary neutron star gravitational template generation	TISSINO, Jacopo
10:10	[19] Gravitational-wave population models with deep learning	MOULD, Matthew
10:30	[31] Group photo	

# Friday, 30 September 2022

## Contributed talks - Auditorium (09:10 - 10:10)

time	[id] title	presenter
09:10	[16] A surrogate model for IMRIs in presence of dark matter spikes	KARYDAS, Teophanes
09:30	[17] Machine learning for detection of dark matter spike around black holes through gravitational waves	PARISI, Alessandro
09:50	[15] Deep Learning Gravitational-Wave Searches for Cosmic Strings	MEIJER, Quirijn