



**NEB-20****Monday, 11 September 2023****Parallel Session A (15:30 - 16:30)**

time	[id] title	presenter
15:30	[37] Cosmological perturbations in Bianchi-V spacetimes with evolving gravitational and cosmological parameters	ABEBE, Amare
15:50	[38] Critical phenomena of a complex scalar field using pseudospectral methods	MAROUDA, Krinio
16:10	[39] Neutron star scalarization with Gauss-Bonnet and Ricci scalar couplings	VENTAGLI, Giulia

**Parallel Session A (17:00 - 18:40)**

time	[id] title	presenter
17:00	[41] Cosmological solutions in Einstein-Gauss-Bonnet gravity with static curved extra dimensions	GIACOMINI, Alex
17:20	[95] Towards the phase structure and continuum limit of the Barrett-Crane model for first order Lorentzian Palatini gravity	PITHIS, Andreas

# Tuesday, 12 September 2023

## Parallel Session A (12:00 - 13:30)

time	[id] title	presenter
12:00	[53] Exploring the Potential for Detecting Dynamical Shear Instabilities in Neutron Star Merger Remnants with Future Gravitational Wave Detectors	SASLI, Argyro
12:20	[54] A Multi-step Regression-based Approach to Predict Binary Neutron Star Post-merger Spectra Using a Feedforward Neural Network	PESIOS, Dimitrios
12:40	[55] Rapidly rotating neutron stars: Universal relations and EOS inference	KRUEGER, Christian
13:00	[56] Dynamical tides in neutron star binaries	PNIGOURAS, Pantelis

# Wednesday, 13 September 2023

## Parallel Session A (15:30 - 16:30)

time	[id] title	presenter
15:30	[66] Ehlers Transformations as a Tool for Constructing Accelerating NUT Black Holes	CISTERNA, Adolfo
15:50	[67] Perturbative aspects and entropy features of GB-BTZ black holes	CUADROS-MELGAR, Bertha
16:10	[68] Stealth Ellis Wormholes In Horndeski theories	BAKOPOULOS, Athanasios

## Parallel Session A (17:00 - 18:40)

time	[id] title	presenter
17:00	[69] Regular charged black holes, energy conditions and quasinormal modes	RINCON, Angel
17:20	[70] Black holes without Cauchy horizons: the role of integrable singularities	OVALLE, Jorge
17:40	[72] Bridging Dimensions: General Embedding Algorithm and Field-Theory Reconstruction in 5D Braneworld Models	NAKAS, Theodoros
18:00	[73] The Study of the Canonical Forms of the Killing Tensor in the frame of General Theory of Relativity	KOKKINOS, Dionysios
18:20	[96] New avenues and observational constraints on functors of actions theories	NTELIS, Pierros

# Thursday, 14 September 2023

## **Parallel Session A (15:30 - 16:30)**

time	[id] title	presenter
15:30	[86] Update on the use of Artificial Neural Networks in cosmology	DIALEKTOPOULOS, Konstantinos
15:50	[87] Alleviating both $H_0$ and $\sigma_8$ tensions through modified entropies	PETRONIKOLOU, Maria
16:10	[88] Signatures of no-scale supergravity in Nanograv and beyond	TZEREFOS, Charalampos

## **Parallel Session A (17:00 - 18:40)**

time	[id] title	presenter
17:00	[89] Fractional Cosmology with conformal and nonminimal couplings: a possible resolution to $H_0$ tension?	LEON, Genly
17:20	[90] Entropy as shock indicator for conservation laws	DOULIS, Georgios
17:40	[92] Binary neutron star mergers with a non-convex equation of state	RUIZ, Milton
18:00	[93] Tensions in Cosmology: Are we Approaching New Physics?	SARIDAKIS, Emmanuel