



# LIP Summer Internship - Final Workshop

## Thursday, 7 September 2023

### III: Data analysis - Ed.3-3.02 (14:40 - 16:00)

-Conveners: Raúl Sarmiento (Minho)

time	[id] title	presenter
14:40	[14] Visualization of 3D muography	RAFAEL CUNHA, GABRIEL COSTA, DIOGO RAMOS
14:58	[15] Muographing the city	CAROLINA SOBRAL, HENRIQUE CUNHA
15:11	[16] Quantum Machine Learning Applied to HEP: A Pragmatic Approach	SALGADO, Bruna FELGUEIRAS, Catarina
15:24	[50] Quantum Machine Learning	GABRIEL DOMINGUES, PEDRO CARVALHO
15:37	[17] Anomaly detection as a tool for discovery the unexpected at colliders	DANIEL SOUSA, JOÃO FERREIRA, FÁBIO CARNEIRO
15:50	[52] Anomaly Detection as a Valuable Tool for Uncovering Unexpected Phenomena at Colliders	SIMÃO CARDOSO

# Friday, 8 September 2023

## **III: Nuclear Physics (14:10 - 15:40)**

**-Conveners: Daniel Galaviz Redondo (Lisboa)**

time	[id] title	presenter
14:10	[53] Obtaining high-precision predictions for jet production at the LHC in perturbative QCD (ZOOM)	HUGO AMARAL
14:23	[40] AI for characterization of thin films using RBS (ZOOM)	BERNARDO SOARES
14:36	[41] Elastic scattering off radioactive nuclei at relativistic energies	CATARINA SANTOS
14:49	[42] Gamma spectroscopy of radioactive nuclei (ZOOM)	PEDRO BATISTA
15:02	[43] Target production	INÊS MARQUES
15:15	[44] Developing a GUI for thin film characterization	ALEXANDRE GUSMÃO
15:28	[45] AI for thin film characterization using AEL	BÁBARA GALINDO