



# XVth Quark Confinement and the Hadron Spectrum

## Monday, 1 August 2022

### Parallels Track H: Monday I - AR G-201 (14:00 - 15:00)

-Conveners: Tommaso Dorigo; Phiala Shanahan; Sergei Gleyzer; Luca Tagliacozzo

time	[id] title	presenter
14:00	[109] Order parameters from persistent homology in non-Abelian lattice gauge theory	SPITZ, Daniel
14:30	[188] Applications of Lattice Gauge Equivariant Neural Networks	FAVONI, Matteo

### Parallels Track H: Monday II - AR G-201 (15:40 - 17:00)

-Conveners: Phiala Shanahan; Sergei Gleyzer; Tommaso Dorigo; Luca Tagliacozzo

time	[id] title	presenter
15:40	[258] Unsupervised learning universal critical behavior via the intrinsic dimension	MENDES SANTOS, Tiago
16:10	[312] Optimal Test Statistics	HEINRICH, Lukas

# Tuesday, 2 August 2022

## **Parallels Track H: Tuesday I - AR G-201 (14:00 - 15:00)**

**-Conveners: Luca Tagliacozzo; Tommaso Dorigo; Phiala Shanahan; Sergei Gleyzer**

## **Parallels Track H: Tuesday II - AR G-201 (15:40 - 17:00)**

**-Conveners: Tommaso Dorigo; Phiala Shanahan; Sergei Gleyzer; Luca Tagliacozzo**

# Thursday, 4 August 2022

## Parallels Track H: Thursday I - AR G-201 (14:00 - 15:00)

-Conveners: Luca Tagliacozzo; Phiala Shanahan; Sergei Gleyzer; Tommaso Dorigo

time	[id] title	presenter
14:00	[259] Random quantum circuits	UNMUTH-YOCKEY, Judah
14:30	[206] A simple vertex reconstruction algorithm using Quantum Computing techniques	MATORRAS CUEVAS, Francisco

## Parallels Track H: Thursday II - AR G-201 (15:40 - 17:00)

-Conveners: Luca Tagliacozzo; Tommaso Dorigo; Sergei Gleyzer; Phiala Shanahan

time	[id] title	presenter
15:40	[105] TomOpt: Differential Optimisation for Muon Tomography	Dr STRONG, Giles
16:00	[260] Implicit quantile networks for generative models for emulation	KUCHERA, Michelle
16:30	[217] Improving Multi-Hit Resolution for Delay Line Detectors with Deep Learning	KNIPFER, Marco

# Friday, 5 August 2022

## **Parallels Track H: Friday I - AR G-201 (14:00 - 15:00)**

**-Conveners: Tommaso Dorigo; Sergei Gleyzer; Luca Tagliacozzo; Phiala Shanahan**

## **Parallels Track H: Friday II - AR G-201 (15:40 - 17:00)**

**-Conveners: Phiala Shanahan; Luca Tagliacozzo; Sergei Gleyzer; Tommaso Dorigo**