

HEPP2020**Thursday, January 30, 2020****Session IV: Session IV (2:00 PM - 5:35 PM)****-Conveners: Xifeng Ruan**

time	[id] title	presenter
2:00 PM	[M0] BSM searches using SM measurements!	KAR, Deepak
2:20 PM	[M2] Implementing a robust anti-QCD tagger with mass de-correlated jet image data	Mr RAPETSOA, Kokotla
2:35 PM	[M] Application of a novel Machine Learning approach for the search of heavy resonances with topological features at the LHC	DAHBI, Salah-Eddine
2:50 PM	[M3] Testing the search for new resonances in the di-photon channel with topological requirements on the production of the Standard Model Higgs boson at the LHC	Mr CHOMA, Nalamotse Joshua
3:05 PM	[M4] An Alternative to Monte Carlo Generators with Deep Generative Models	Mr LEBESE, Thabang
3:20 PM	[M8] Applications of Weakly-Supervised Machine Learning Techniques in the Search for New Bosons Focusing on Dilepton Final States at the ATLAS Experiment.	Mr LIEBERMAN, Benjamin
3:35 PM	Tea/Coffee	
4:05 PM	[M0] Searching for heavy scalar resonances in the LHC run 2 dataset in the $Z\gamma$ final states using machine learning techniques.	RAPHEEHA, Ntsoko Phuti
4:20 PM	[M9] Application of Machine Learning to satellite data	Mr THWALA, Ayanda
4:35 PM	[M4] Search for a resonance decaying into two photons in association with $b\bar{b}$ jets	SHRIF, Esra Mohammed
4:50 PM	[M6] Background determination of the control region of the $R\rightarrow 4\ell+E^{\text{miss}}_T$ signal at the ATLAS detector	Mr MOHAMMED, Abdualazem Fadol