Welcome!



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BERKELEY EXPERIMENTAL PARTICLE PHYSICS





CLUSTER OF EXCELLENCE QUANTUM UNIVERSE

Welcome to virtual Hamburg





Planten un Blomen - A park 2' from the original workshop location



The Elbphilharmonie



The main building of Hamburg University

Code of Conduct

We strive to build an inclusive, welcoming environment. Harassment in any form will not be tolerated. We will abide by the IRIS-HEP code of conduct:

https://iris-hep.org/about/code-of-conduct

Complaints can be sent to any of the workshop organizers.

Agenda

Unveil

black-boxes

Thursday

16:00	Introduction	Gregor KASIECZKA et al.	
	Virtual	16:00 - 16:20	
	Dijet resonance search with weak supervision using sqrt(s)=13 TeV TeV pp collis in the ATLAS detector	ions Flavia DIAS et al.	
	Anomaly detection with convolutional autoencoders and latent space analysis David JAROSLAWSKI et al.		
	Virtual	16:40 - 17:00	
17:00	Anomaly Searches with Tag N' Train	Oz AMRAM 🗎	
	Virtual	17:00 - 17:20	
	Anomaly Detection with Normalizing Flows and Latent Variable Models	Justin TAN	
	Virtual	17:20 - 17:40	
	Break		
	Virtual	17:40 - 18:00	
18:00	Learning the latent structure of collider events	Dr. Barry DILLON	
	Virtual	18:00 - 18:20	
	Anomaly detection and embedding clustering	Vinicius MIKUNI	
	Virtual	18:20 - 18:40	
	Deep Learning as a Tool for Generic Searches at Colliders	Rute PEDRO	
	Virtual	18:40 - 19:00	

Friday (note start at 15:40!!!)

	Via Machinae: Anomaly Detection of Stellar Streams	Prof. Matthew BUCKLEY
	Virtual	15:40 - 16:00
16:00	Anomaly detection with RanBox	Tommaso DORIGO
	Virtual	16:00 - 16:20
	Anomaly Awareness for new physics searches	Charanjit Kaur KHOSA
	Virtual	16:20 - 16:40
	QUAK : Quasi Anomalous Knowledge for Anomaly Detection	Mr. Sangeon PARK
	Virtual	16:40 - 17:00
17:00	Event-level Anomaly Detection methods using reconstruction error and likelihoo	d Ioan DINU
	Virtual	17:00 - 17:20
	Virtual Break	17:00 - 17:20
		17:00 - 17:20 17:20 - 17:40
	Break	
	Break Virtual	17:20 - 17:40
8:00	Break Virtual LHCO-motivated anomaly detection exploration	17:20 - 17:40 Taoli CHENG
8:00	Break Virtual LHCO-motivated anomaly detection exploration Virtual	17:20 - 17:40 Taoli CHENG 17:40 - 18:00
8:00	Break Virtual LHCO-motivated anomaly detection exploration Virtual Anomaly Detection via Sequence Modeling	17:20 - 17:4 0 <i>Taoli CHENG</i> 17:40 - 18:00 <i>Alan KAH</i> N
8:00	Break Virtual LHCO-motivated anomaly detection exploration Virtual Anomaly Detection via Sequence Modeling Virtual	17:20 - 17:40 Taoli CHENG 17:40 - 18:00 Alan KAHN 18:00 - 18:20
8:00	Break Virtual LHCO-motivated anomaly detection exploration Virtual Anomaly Detection via Sequence Modeling Virtual Summary and Outlook	17:20 - 17:40 Taoli CHENG 17:40 - 18:00 Alan KAHN 18:00 - 18:20 Gregor KASIECZKA et al.

We have a packed agenda!

There is some time for questions after each presentation, but we can additionally use Slack for further questions and there will be some discussion time at the end of the second day.

Please join our Slack channel

19:00