

# 1. Pan-European Advanced School on Statistics in High Energy Physics

## 28 Oct – 1 Nov 2019, DESY Hamburg - PROGRAMME OVERVIEW

	Mon 28 Oct	Tue 29 Oct	Wed 30 Oct	Thu 31 Oct	Fri 1 Nov
9:00		<b>Bayesian Analysis Toolkit Tutorial</b> (O. Schulz)	<b>Variational Autoencoder Lecture &amp; Tutorial</b> (G. Kasieczka)	<b>Decision making under uncertainties</b> (F. Priuli)	<b>Non-Parametric Inference</b> (C. Shafer)
10:30		Coffee break	Coffee break	Coffee break	Coffee break
11:00		<b>BAT tutorial</b> (O. Schulz)	<b>VAE Tutorial</b> (G. Kasieczka)	<b>Gaussian Processes</b> (M. Kuusela)	<b>Non-Parametric Inference</b> (C. Shafer)
12:30	<b>Registration</b>	Lunch	Lunch	Lunch	Lunch
14:00	<b>Bayesian Inference</b> (A. Caldwell)	<b>Likelihood Free Inference &amp; Probabilistic Programming</b> (G. Louppe, L. Heinrich)	<b>GANs</b> (M. F. Giannelli) <b>Traditional inference with ML tools</b> (L. H.)	<b>Unfolding</b> (M. Kuusela)	
15:30	Coffee break	Coffee break	Coffee break	Coffee break	
16:00	<b>Bayesian Inference</b> (A. Caldwell)	<b>Likelihood Free Inference &amp; Probabilistic Programming</b> (G. Louppe, L. Heinrich)	<b>Approximate Bayesian Computing</b> (C. Shafer)	<b>RooFitUnfold Tutorial</b> (L. Brenner, C. Burgard, P. Verschuuren)	
18:30	<b>Welcome Reception</b>		<b>School Dinner</b> 19:30-22:00		



The INSIGHTS project has received funding from the European Union's Horizon 2020 research and innovation programme, H2020-MSCA-ITN-2017, under grant agreement n. 765710.

