Session Program

May 25 – 27, 2022

Bayesian Inference in High-Energy Physics

Results talks

IPPP, OC218

Wed, May 25

2:00 PM

Results talks

Session | **Location:** IPPP, OC218

2:00 – 2:35 PM **Mapping Machine-Learned Physics into a Human-Readable Space**

Speaker
Taylor Faucett

2:35 – 3:10 PM **Bayesian Inference of QCD splittings with Invertible Networks**

Speaker
Theo Heimel

3:10 – 3:45 PM
How well do we know the neutron-matter equation of state at the densities inside neutron stars? A Bayesian approach with correlated uncertainties

Speaker
Jordan Melendez

3:45 – 4:15 PM **Coffee Break**

4:15 – 4:50 PM
A graphical multi-fidelity Gaussian process model, with application to emulation of expensive computer simulations

Speaker
Steffen Bass

4:50 – 5:25 PM **Exploring phase space with Nested Sampling**

Speaker
David Yallup

6:00 PM