

Monday 3 April

15:00

Parallel stream 2: Session 1

Session | **Location:** Lecture Theatre 1, Bush House | **Convener:** Darren Price

15:00-15:15 Status of the FASER Experiment at the LHC and first run-3 results

Speaker

Josh McFayden

15:15-15:30

Improving Variational Autoencoders for New Physics Detection at the LHC With Normalizing Flows

Speaker

Pratik Jawahar

15:30-15:45

Using Machine Learning to improve the sensitivity of Stau Searches with the ATLAS Detector at the Large Hadron Collider

Speakers

Dominic Jones, Dominic Jones

15:45-16:00

Search for the resonant production of two Higgs bosons in a final state with two photons and two tau leptons

Speaker

Mr Matthew Knight

16:00-16:15

Not all hopes die immediately: Searching for new particles beyond the standard model if they are long-lived, using displaced vertex signatures in ATLAS

Speaker

David Rousso

16:15-16:30

A search for semi-visible jets in non-resonant production mode in ATLAS

Speaker

Sukanya Sinha

16:30

17:00

Parallel stream 2: Session 2

 $\textbf{Session} \hspace{0.2cm} | \hspace{0.2cm} \textbf{Location:} \hspace{0.2cm} \textbf{Lecture Theatre 1, Bush House} \hspace{0.2cm} | \hspace{0.2cm} \textbf{Convener:} \hspace{0.2cm} \textbf{Marcella Bona}$

17:00-17:15 Model independent angular analysis of B -> D* mu nu decays at LHCb

Speaker

Rizwaan Mohammed

17:15-17:30

Measurement of the branching fraction and CP asymmetry of the decay B->pimumu

Speaker

Rebecca Murta

17:30-17:45

Towards a measurement of charm mixing and CPV using D^0 to K pi pi pi decays at LHCb

Speaker

Jenny Smallwood

17:45-18:00 Measurement of the CKM angle γ in B±→DK*± decays at LHCb

Speaker

Fidan Suljik

18:00-18:15 Search for the Lepton Flavour Violating Decay Lb2Lemu

Speakers

Paul Nathaniel Swallow, Paul Swallow

18:15-18:30 On the development of the Mu2e Stopping Target Monitor software

Speakers

Pawel M Plesniak, Pawel Plesniak

18:30-18:45

CKM angle gamma measurement at LHCb using partially reconstructed B \rightarrow D*h with D* → Dpi0 and D* → Dgamma

Speaker

Seophine Stanislaus

18:45

Wednesday 5 April

11:30

Parallel stream 2: Session 3

Session | Location: Lecture Theatre 1, Bush House | Convener: Tina Potter

11:30-11:45 Tau leptons-enriched semi-visible jets at the LHC

Speaker

Tobias Fitschen

11:45-12:00

Searches for exclusive Higgs and Z boson decays to a meson and a photon at ATLAS

Speaker

Robert Ward

12:00-12:15

A search for decays of the Higgs boson to invisible particles in ttH and VH final states at the CMS experiment and Run1+2 Higgs to invisible combination

Speaker

Robert White

12:15-12:30

Search for heavy Majorana neutrino production via vector boson scattering with the ATLAS detector

Speaker

Benjamin Wilson

12:30 13:30

Parallel stream 2: Session 4

Session | Location: Lecture Theatre 1, Bush House | Convener: Victoria Martin

13:30-13:45

Early Run-3 W±/Z cross-section measurements at the ATLAS experiment

Speaker

Mihaela Marinescu

13:45-14:00

Probing jet quenching through hadron+jet measurements with the ALICE experiment

Speaker

Jaime Norman

14:00-14:15

Photon-induced WW production as a test of the electroweak boson selfinteractions

Speaker

Joshua Puddefoot

14:15-14:30

Differential cross-section measurement of the production of a top and anti-top quark pair in association with a Z boson with the ATLAS detector

Speaker Harriet Watso	n
14:30-14:45	Model-independent high-mass Drell-Yan ditau measurement
Speaker Luzhan Yue	
14:45-15:00	
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naking me Speaker	

15:00