Session Program

16-19 May 2023

The Mitchell Conference on Collider, Dark Matter, and Neutrino Physics 2023

Collider

Texas A&M University, Hawking Auditorium

Monday 15 May

Collider Session Loca	ation: Texas A&M University, Hawking Auditorium Convener: Kuver Sinha
14:05-14:30 Speaker Deepak Kar	Status and Prospect of Search for Dark Matter
14:30-14:55 Speaker Ian Lewis	Multi-photon decays of the Higgs boson at the LHC
14:55-15:20 Speaker Deion Elgin Fel	First FASER Physics Results
15:20-15:45 Speaker Hyunyong Kim	A Novel Beam Dump Experiment at CMS
Collider Session Loca	ation: Texas A&M University, Hawking Auditorium Convener: Prof. Joel Walker
	Searching for Higgs boson pairs at the Large Hadron Collider
Session Loca 16:15-16:40 Speaker Jason Robert V 16:40-17:05	Searching for Higgs boson pairs at the Large Hadron Collider
Session Local 16:15-16:40 Speaker Jason Robert V 16:40-17:05 Charged Hi	Searching for Higgs boson pairs at the Large Hadron Collider
Session Loca 16:15-16:40 Speaker Jason Robert Va 16:40-17:05 Charged Hi Colliders Speaker	Searching for Higgs boson pairs at the Large Hadron Collider

Tuesday 16 May

11:15-11:35	The CDF W Boson Mass Measurement
Speaker	
Ashutosh Kotw	al
11:35-11:50	One man's thoughts a year after the CDF W Mass Announcemen
Speaker	
David Toback	
11:50-12:15	
	measurements as BSM probes: a new purpose for the W mass
measureme	ent
Speaker Lorenzo Ricci	
12:15-12:40	Heavy neutral leptons at muon colliders
Speaker	
Zhen Liu	
Session Loca 14:05-14:30	ation: Texas A&M University, Hawking Auditorium Convener: Ian Lewis of Search for New Particles (Vector-like Quarks/Leptoquark/W'/Z')
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Speaker Kaustubh Agashe 16:40-17:05 Understanding Jet Charge Speaker Andrew Larkoski 17:05-17:30 Jet SIFT-ing: a new scale-invariant jet clustering algorithm for the substructure era Speaker Prof. Joel Walker 17:30-17:55 Anomalous Triple Gauge Couplings in Electroweak Dilepton Tails at the LHC and Interference Resurrection Speaker Minho SON

17:55