

Theme: High Energy Physics

Day-I: 18th January 2022

Conference Secretary: Dr Anisa Qamar (Past-President PPS)

Chair: Dr. G. Murtaza

1530-1600: Opening Remarks by

1. Founding President PPS
2. IUPAP President

Chair: Professor G Murtaza, Founding President PPS

Keynote Speakers

Talk#	Time	Speaker	Title
I	1600-1700	Prof Dr Steve Cowley	Bringing Down the Cost and Scale of Fusion Energy
II	1700-1800	Prof Ian Shipsey	Advances in High Energy and Astrophysics
III	1800-1900	Prof Irfan Siddiqi	The Dawn of Quantum Computing
IV	1900-2000	Prof Dr Jocelyn Bell Burnell	Developments in astrophysics in the last 100 years

Day-II: 19th January 2022

Chair: Ashfaq Ahmad and Bilal Masud

Program

Talk#	Time	Speaker	Title
I	1500-1600	Albert De Roeck	Present and future of neutrinos and dark matter searches
II	1600-1700	M M Najafabadi	Highlights of heavy quark physics
III	1700-1750	Faisal Akram	What the Standard Model of particle physics tells about mass?
IV	1750-1840	Rizwan Khalid	
V	1840-1930	Aftab Ahmed	Color-Flavor dependent of QCD Phase Diagram From Nambu--Jona-Lasinio Model

Day-III: 20th January 2022

Chair: Rashid Ahmad and Mansoor Rehman

Program

Talk#	Time	Speaker	Title
I	1500-1600	Freya Bleckman	Physics beyond the Standard Model
II	1600-1700	Rakibur Rahman	
III	1700-1750	Talib Hussain	Universality of Leptonic interactions
IV	1750-1840	Sajid Khan	Development of Scintillation Detectors
V	1840-1930	Imran Malik	Semiconductor detectors in particle physics

Day-IV: 21st January 2022

Chair: Faisal Akram and Rizwan Khalid

Program

Talk#	Time	Speaker	Title
I	1500-1600	Haadil Abualrob	
II	1600-1700	Mansoor ur Rehman	Sneutrino Inflation
III	1700-1750	Saleh Muhammad	Gaseous detectors in particle physics
IV	1750-1840	Imran Khan	Expression for SU(4) multiplet and Masses of undiscovered Baryons in Standard Model
V	1840-1910	Student Talk: Khuram Tariq	Non-prompt lepton estimation in multi-lepton channels of tH analysis at 13 TeV with the ATLAS detector
VI	1910-1940	Student Talk: Ali Awais	Assembly and testing of silicon modules