

Day-01: 17th July 2024 (Wednesday)	
Time	Programme
08:00-09:30	Registration
09:30-10:30	Inauguration
Chair: Tanusri Saha-Dasgupta (SNBNCBS)	
10:30-11:15	Title: The Issue of Gender Imbalance in Physics Education, Careers and Leadership: My personal reflections <i>Rupamanjari Ghosh</i> Shiv Nadar University, Noida, India
11:20-11:40	Tea Break
Chair: Umesh Waghmare (JNCASR)	
11:45-12:30	Title: Seeing the invisible: A quantum perspective <i>Shohini Ghose</i> Wilfrid Laurier University, Waterloo, Canada
12:35-13:00	Title: Exchange Coupling Based Proximity Effects in Topological Insulators & Superconductor Based Heterostructures <i>Dhaval Suri</i> Indian Institute of Science, Bangalore, India
13:00-14:25	Lunch Break
Chair: Sugata Ray (IACS)	
14:30-15:15	Title: Life and Work of Purnima Sinha <i>Sukanya Sinha</i> ISI Bangalore, India
15:15-16:00	Title: History of the working group of women in physics in India <i>Sumathi Rao</i> ICTS Bangalore, India
16:00-16:20	Tea Break
16:20-17:50	Panel Discussion 1: Challenges faced by women in higher education and ways to overcome them <i>Rohini Godbole (IISc), Chandrima Shaha (IICB), Subhra Chakraborty (NIPGR), Vandana Nandl (TIFR), Suchetana Chatterjee (PU)</i> Moderator: Tanusri Saha-Dasgupta, SNBNCBS
17:50-18:10	Tea Break
Chair: Arti Garg (SINP)	
18:15-19:00	TBA <i>Shamima Choudhury</i> Bose Centre, Dhaka University, Bangladesh

Day-02: 18th July 2024 (Thursday)	
Time	Programme
09:00-09:30	Registration
	Chair: Arti Garg (SINP)
09:30-10:15	Title: The road to establish oneself as a female researcher: Opportunities, challenges and barriers during career paths <i>Anjana Devi</i> IFW Dresden, Germany
10:15-11:00	Title: My journey through a wonderland of quantum fluids <i>Efrat Shimshoni</i> Bar-Ilan University, Israel
11:00-11:20	Tea Break
	Chair: Shikha Varma (IOP, Bhubaneswar)
11:20-12:05	Title: Women in Science and Engineering: Challenges & Opportunities <i>Vandana Singh & Swati Rawal Dang</i> DST, India
12:05-12:50	Title: Journey in Quantum Technologies -- An Academic Perspective <i>Aditi Sen-De</i> HRI, Prayagraj, India
12:50-13:15	Title: Symmetry protected topological (SPT) phases in exactly solvable 1 dimensional quantum Gamma matrix models. <i>Kusum Dhochak</i> IIT Palakkad, India
13:15-14:30	Lunch Break
14:30-16:30	Poster Session
16:30-18:00	Panel Discussion 2: Opportunities for women with a focus on quantum science and technologies <i>Rupamanjari Ghosh (SNU), Shikha Varma (IOP), Aditi Sen-De (HRI), Kavita Dorai (IISER Mohali), Ekta Kapoor (DST), Prasanta K. Panigrahi (SOA, Bhubaneswar)</i> Moderator: <i>Amitabha Lahiri, SBNCBS</i>
18:30-21:30	Conference Dinner

Day-03: 19th July 2024 (Friday)	
Time	Programme
09:00-09:30	Registration
	Chair: Rajib Mitra (SNBNCBS)
09:30 -10:15	Title: Quantum Spins: An Untold Story <i>Indrani Bose</i> Bose Institute, India
10:20-10:45	Title: Widefield magnetic field microscopy with Nitrogen Vacancy centers in diamond <i>Kasturi Saha</i> ; IIT Bombay, India
10:45-11:10	Title: Engineering Various Phases in an Ultracold Rydberg System <i>Raka Dasgupta</i> ; CU, Kolkata
11:10-11:30	Tea Break
	Chair: Manik Banik (SNBNCBS)
11:30-11:55	Title: van der Waals epitaxial growth of 2D/quasi-2D materials and their prospects for optoelectronic and spintronic devices <i>Vidya Kochat</i> ; IIT Kharagpur, India
12:00-12:25	Title: Opto-Spintronics: Ultrafast Optical Control and Probing of Dynamic Magnetization <i>Chandrima Banerjee</i> ; IIT Kanpur, India
12:25-12:50	Title: Quantum Science and Technology with ultra-cold Rydberg atoms <i>Sanjukta Roy</i> ; RRI Bangalore, India
12:50 -14:25	Lunch Break
	Chair: Arijit Halder (SNBNCBS)
14:30-14:55	Title: The influence of water on the post-spinel transition at the 660 km phase boundary of the earth: A first-principles study <i>Swastika Chatterjee</i> ; IISER Kolkata, India
14:55-15:20	Title: Orbitronics: A New Frontier for Exploring Quantum Science and Technology <i>Sayantika Bhowal</i> ; IIT Bombay, India
15:20-15:40	Tea Break
	Chair: Saquib Shamim (SNBNCBS)
15:40-16:05	Title: Probing conformal field theory with defect <i>Parijat Dey</i> ; SNBNCBS Kolkata, India
16:05- 16:30	TBA <i>Tushna Commissariat</i> ; IOP Publishing
16:30-17:00	Concluding Remarks