



IPTA 2024 SCIENCE WEEK SCHEDULE

Week of: 24-Jun-2024

Start Time										24-Jun	25-Jun	26-Jun	27-Jun	28-Jun
CEST	UTC	AEST	AWST	CST	IST	EST	MST	PST		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:30 AM	06:30	17:30	14:30	14:30	12:00	02:30	00:30	23:30		Registration				
										Chair: Alberto Sesana	Chair: Mikel Falxa	Chair: Aurelien Chalumeau	Chair: Siyuan Chen	Chair: Huanchen Hu
9:00 AM	07:00	18:00	15:00	15:00	12:30	03:00	01:00	00:00		<p>9:00-9:05 Introduction Alberto Sesana</p> <p>9:05-9:20 Overview of Indian PTA Keitaro Takahashi</p> <p>9:20-9:35 Chinese Pulsar Timing Array Update Heng Xu</p> <p>9:35-9:50 The Parkes Pulsar Timing Array: update and outlook Andrew Zic</p> <p>9:50-10:05 EPTA updates: beyond EPTA DR2 Golam Shaifullah</p> <p>10:05-10:20 Updates from NANOGrav Collaboration Stephen Taylor</p> <p>10:20-10:30 Discussion/Questions</p>	<p>9:00-9:20 Simple harmonic analysis for PTAs Bruce Allen</p> <p>9:20-9:40 Pulsar Timing Arrays require Hierarchical Models Rutger van Haasteren</p> <p>9:40-9:55 Impact of Single Pulsar Noise Modeling on GWB Recovery: The case of SMBHBs Hippolyte Quelquejay</p> <p>9:55-10:10 Systematic errors in searches for nanohertz gravitational waves Valentina Di Marco</p> <p>10:10-10:25 Moving towards a PTA likelihood without timing residuals Serena Valtolina</p> <p>10:25-10:30 Questions/Discussion</p>	<p>9:00-9:15 Why PSR J0437-4715 is actually the best pulsar Daniel Reardon</p> <p>9:15-9:30 Shapiro Delay Measurements of the Bright Gamma-Ray MSP J1231-1411 Thankful Cromartie</p> <p>9:30-9:45 High Fluence Timing with Automatized Clustering Sophia Sosa Fiscella</p> <p>9:45-10:00 Pulsar Timing with Single Pulses Natalia Lewandowska</p> <p>10:00-10:20 Pulsar Scintillation in the Interstellar Zoo Stella Ocker</p> <p>10:20-10:30 Discussion/Questions</p>	<p>9:00-9:20 Electromagnetic and multi-messenger searches for supermassive black hole binaries Jessie Runnoe</p> <p>9:20-9:35 Optimizing Host Galaxy Identification of Individual Supermassive Black Hole Binaries Polina Petrov</p> <p>9:35-9:55 Constraining merger timescales via observations of closely separated pairs of SMBHBs Adi Foord</p> <p>9:55-10:15 Continuous Wave Predictions and Constraints Emiko Gardiner</p> <p>10:15-10:30 Constraining the origin of the nHz GWB using a simple flexible model of black hole evaluation Jean Somalwar</p>	<p>9:00-9:15 Unveiling the Enigmatic Behavior of Spider Pulsars: Timing and Polarization Insights Ankita Ghosh</p> <p>9:15-9:30 Discovery of highly scattered pulsars associated with nebulae in ASKAP images Adeel Ahmad</p> <p>9:30-9:45 Pulsar variability: a broad-band population perspective Lucy Oswald</p> <p>9:45-10:00 Adding Spider Binaries to the Gamma-ray Pulsar Timing Arrays Colin Clark</p> <p>10:00-10:15 Where do neutron star get their masses Marisa Geyer</p> <p>10:15-10:30 Search and Study of Pulsars in Globular Clusters with FAST and MeerKAT Lei Zhang</p>
10:30 AM	08:30	19:30	16:30	16:30	14:00	04:30	02:30	01:30		Coffee	Coffee	Coffee	Coffee	Coffee
										Chair: Jaikhomba Singha	Chair: Bence Becsy	Chair: Caterina Tiburzi	Chair: Luke Zoltan Kelley	Chair: Prajwal Voraganti Padmanabh
11:00 AM	09:00	20:00	17:00	17:00	14:30	05:00	03:00	02:00		<p>11:00-11:20 The first result of a search for gravitational waves with the MeerKAT Pulsar Timing Array Matthew Miles</p> <p>11:20-11:35 MeerKAT 4.5 year dataset: Search for Anisotropies Kathrin Grunthal/Rowina Nathan</p> <p>11:35-11:50 New results from the Gamma-ray PTA Matthew Kerr</p> <p>11:50-12:05 Adding a CHIME to the IPTA Orchestra Deborah Good</p> <p>12:05-12:20 LOFAR2.0 -- a LOFAR reboot Caterina Tiburzi</p> <p>12:20-12:30 Discussion/Questions</p>	<p>11:00-11:15 Removing Pulsars one by one from the NANOGrav pulsar timing array Paul Brook</p> <p>11:15-11:30 Principal component analysis as a method for pulsar timing in the presence of pulse shape change Ross Jennings</p> <p>11:30-11:50 Mapping the nanohertz gravitational-wave sky to reveal the origin of the stochastic background Eric Thrane</p> <p>11:50-12:05 Detecting anisotropies from SMBHBs Anna-Malin Lemke</p> <p>12:05-12:20 Spectral Variance in a Stochastic Gravitational Wave Background From A Binary Population William Lamb</p> <p>12:20-12:30 Questions/Discussion</p>	<p>11:00-11:15 Improving DM estimates using low-frequency scattering-broadening estimates Jaikhomba Singha</p> <p>11:15-11:30 Survey of Scintillation Arcs in NANOGrav Binary Pulsars Swarali Shivraj Patil</p> <p>11:30-11:45 Characterising the PSR J1713+0747 Profile Change Event using the Parkes Ultra-Wideband Receiver Rami Mandow</p> <p>11:45-12:00 Exploring Solar Wind using Gaussian Process on LOFAR data Sai Chaitanya Susarla</p> <p>12:00-12:15 Epoch-dependent Interstellar Scintillations and Timing Variations for the Millisecond Pulsar B1937+21 Timothy Dolch</p> <p>12:15-12:30 Cyclic Spectroscopy-Aided Studies of the ISM in PTA Observing Setups Jacob Turner</p>	<p>11:00-11:15 Electromagnetic signatures from accreting massive black hole binaries in time domain photometric surveys Fabiola Cocchiararo</p> <p>11:15-11:30 Dual AGN and their imprints on the GWB: predictions from the ASTRID cosmological simulation Nianyi Chen</p> <p>11:30-11:45 Evolution of PTA Sources from Cosmological Initial Conditions Federica Fastidio</p> <p>11:45-12:00 Efficient gravitational wave background evaluation through neural networks Matteo Bonetti</p> <p>12:00-12:15 Search for gravitational waves from individual supermassive black hole binaries in MeerTime data Beatrice Eleonora Moreschi</p> <p>12:15-12:30 Questions/Discussion</p>	<p>11:00-11:20 Shedding new light on small-scale perturbation with CMB spectral distortions Jens Chluba</p> <p>11:20-11:40 A NICER view of Neutron Stars Devarshi Choudhury</p> <p>11:40-12:00 Gravitational-wave detection with the Roman space telescope and other photometric surveys Kris Pardo</p> <p>12:00-12:20 Elucidating the nature of the PTA signals by Lunar GW detectors Xian Chen</p> <p>12:20-12:30 Final Remarks Alberto Sesana</p>
12:30 PM	10:30	21:30	18:30	18:30	16:00	06:30	04:30	03:30		Lunch	Lunch	Lunch	Lunch	END
										Chair: Matthew Bailes	Chair: Golam Shaifullah	Chair: Ryan Shannon, Megan DeCesar	Chair: Kai Schmitz	
2:00 PM	12:00	23:00	20:00	20:00	17:30	08:00	06:00	05:00		<p>14:00-14:20 SKA: Pulsar Science and PTA experiments Bhal Chandra Joshi</p> <p>14:20-14:35 Pulsar and IPTA data analysis at the time of SKA: how to maximize the impact of computational facilities Andrea Possenti</p> <p>14:35-14:55 Pulsar timing array science with the DSA-2000 Vikram Ravi</p> <p>14:55-15:10 An Evolutionary Picture of FRBs Di Li</p> <p>15:10-15:25 Enabling low-frequency MSP searches with the Murchinson Widefield Array Christopher Lee</p> <p>15:25-15:30 Questions/Discussion</p>	<p>14:00-14:15 Franken-Stat: An Early Indicator IPTA Statistics Kalysta Wayt</p> <p>14:15-14:30 PTA parameter estimation in real time Discovery Michele Vallisneri</p> <p>14:30-14:45 An efficient pipeline for continuous gravitational wave detection using gradient-based sampling Gabriel Freedman</p> <p>14:45-15:00 Kalman tracking and parameter estimation of continuous gravitational waves with a pulsar timing array Tom Kimpson</p> <p>15:00-15:15 Project Delphi: Comparing Binary Search Approaches with IPTADR3-like Datasets Levi Schult</p> <p>15:15-15:30 Investigation of the interplay between stochastic and deterministic GW signals with EPTA-based simulations Irene Ferranti</p>	<p>14:00-14:15 The IPTA Data Release 3: where we are and what's next Kuo Liu</p> <p>14:15-14:30 DR3 update from the GWA Nihan Pol</p> <p>14:30-15:30 IPTA discussion</p>	<p>14:00-14:20 Gravitational waves from the early Universe at PTAs Fabrizio Rompineve</p> <p>14:20-14:40 The induced gravitational wave interpretation of PTA data Guillem Domenech</p> <p>14:40-14:55 Probing primordial black holes with PTAs Sonali Verma</p> <p>14:55-15:15 Constraining modified gravity with PTA Zu-Cheng Chen</p> <p>15:15-15:30 Targeted searches for supermassive black hole binaries: preliminary results and future directions Chiara Mingarelli</p>	
3:30 PM	13:30	00:30	21:30	21:30	19:00	09:30	07:30	06:30		Coffee	Coffee	Coffee	Coffee	
										Chair: Michael Keith	Chair: Irene Ferranti, Beatrice Moreschi	Chair: Alessia Franchini	Chair: Ryo Kato	
4:00 PM	14:00	01:00	22:00	22:00	19:30	10:00	08:00	07:00		<p>16:00-16:15 NANOGrav's 15-year dataset: Customized chromatic noise models Jeremy Baier</p> <p>16:15-16:30 Single pulsar noise analysis with the CPTA DR1 Siyuan Chen</p> <p>16:30-16:45 The second data release of Indian Pulsar Timing Array experiment Prerna Rana</p> <p>16:45-17:00 MeerKAT Pulsar Timing Array: understanding pulsar noise Ryan Shannon</p> <p>17:00-17:15 Combining low-frequency observations with EPTA DR2new+ dataset Francesco Iraci</p> <p>17:15-17:30 Pulsar Timing Using the New Effelsberg Systems Jędrzej Jawor</p>	<p>16:00-17:00 Poster presentation</p> <p>17:00-17:30 Interacting with the authors of posters</p>	<p>16:00-17:00 DEI Session</p>	<p>16:00-16:20 Testing Gravity with Pulsars around Sagittarius A* Lijing Shao</p> <p>16:20-16:40 Dark Matter Searches with PTAs Andrea Mitridate</p> <p>16:40-16:55 Constraining ultralight dark matter with Pulsar Timing Array Ziqing Xia</p> <p>16:55-17:10 Constraints on formal ultralight dark matter couplings from the European Pulsar Timing Array Clemente Smarra</p> <p>17:10-17:25 Using pulsar polarization data to search for fuzzy dark matter signatures Nataliya Porayko</p> <p>17:25-17:30 Discussion/Questions</p>	
5:30 PM	15:30	02:30	23:30	23:30	21:00	11:30	09:30	08:30		END	END	END	END	