



# The 2nd Conference of Young Researchers at CAMK PAN

## Tuesday, 23 June 2020

Student presentations: Filip Morawski - Searches for anomalies in gravitational-wave data (09:00 - 09:20)

Student presentations: Aleksandra Olejak - The origin of inequality. Isolated formation of 30 Msun and 10 Msun BH-BH merger (09:20 - 09:40)

Student presentations: Agostino Leveque - MOCCA Survey Database: Extra Galactic Globular Clusters. Method and first results (09:40 - 10:00)

Student presentations: Sumanta Kumar Sahoo - Asteroseismology of pulsating subdwarf B stars using TESS data (10:00 - 10:20)

Student presentations: Sachu Sanjayan - Pulsating subdwarf B stars in the oldest open cluster NGC6791 (10:20 - 10:40)

Student presentations: Sowgata Chowdhury - Studying the southern Beta Cephei stars using TESS (10:40 - 11:00)

Student presentations: Qiang Chen - Scaling of magnetic dissipation and particle acceleration in ABC fields (11:20 - 11:40)

Student presentations: Jose Ortuno Macias - Kinetic numerical simulations of particle acceleration mechanisms in relativistically magnetized jets of blazars (11:40 - 12:00)

Student presentations: André da Silva - The hunt for peculiar Eu and Ba abundances in metal-poor stars using \*Gaia\* and GALAH surveys (12:00 - 12:20)

Student presentations: Henryka Netzel - High-Amplitude Delta Scuti stars (12:20 - 12:40)

Student presentations: Bartłomiej Zgirski - Distance determinations using RR Lyrae stars and the new reddening maps of the Magellanic Clouds (12:40 - 13:00)

Student presentations: Piotr Wielgóski - Calibrating p-factors of Classical and Type II Cepheids (14:00 - 14:20)

**Student presentations: Monica Taormina - Toward early-type eclipsing binaries as extragalactic milestones (14:20 - 14:40)**

**Student presentations: Gonzalo Rojas García - Deeping on binary systems: Enigmatic subclass and detached binaries as distance tracer (14:40 - 15:00)**

**Student presentations: Mikołaj Kaluszyński - BH Tom – The System for Automatic Observations Scheduling, Photometry and Calibration for Microlensing Events Followups (15:00 - 15:20)**

**Student presentations: Ayush Moharana - Eclipse Timing of Detached Eclipsing Binaries using SOLARIS network of telescopes (15:20 - 15:40)**

**Student presentations: Bartosz Etmański - Ammonia in Circumstellar Environment of V Cyg (15:40 - 16:00)**

## Wednesday, 24 June 2020

Student presentations: Lami Suleiman - Partially accreted crusts of Neutron Stars (09:00 - 09:20)

Student presentations: Vadym Khomenko - Modelling of pulsar glitches in Neutron Stars (09:20 - 09:40)

Student presentations: Lorenzo Gavassino - Boosting the heat (09:40 - 10:00)

Student presentations: Ankan Sur - Magnetic field evolution of neutron stars (10:00 - 10:20)

Student presentations: Samaresh Mondal - A bright ultraluminous X-ray source in NGC 5055 (10:20 - 10:40)

Student presentations: Dominik Gronkiewicz - Thermal instability as a primary limit for optically thick X-ray coronae in AGN (10:40 - 11:00)

Student presentations: Bartosz Beldycki - Neutron Star atmospheres and color correction factor (14:00 - 14:20)

Student presentations: Ananda Deepika Bollimpalli - X-ray variability studies from GRMHD simulations (14:20 - 14:40)

Student presentations: David Abarca - GRRMHD Simulations of Accretion on Neutron Stars (14:40 - 15:00)

Student presentations: Ruchi Mishra - General relativistic radiation hydrodynamic simulations of levitating atmospheres (15:00 - 15:20)

Student presentations: Katarzyna Rusinek - Swift/BAT AGNs - their radio loudness, jet production efficiency and host galaxies (15:20 - 15:40)

Student presentations: Maitrayee Gupta - Comparing radio-loud Swift/BAT AGN with their radio-quiet counterparts (15:40 - 16:00)

## Thursday, 25 June 2020

**Student presentations: Swayamtrupta Panda - The CaFe Project: Search for the correlation between Fe+ and Ca+ in active galaxies (09:00 - 09:20)**

**Student presentations: Marzena Śniegowska - High metal content of highly accreting quasars (09:20 - 09:40)**

**Student presentations: Chandra Shekhar Saraf - Cross-Correlation Study between CMB Lensing and Galaxy Surveys (09:40 - 10:00)**

**Student presentations: Mohammad Hassan Naddaf Moghaddam - BLR size and R-L relation in realistic FRADO model (10:00 - 10:20)**

**Student presentations: Arkadiusz Chimicz - Polish SST optical sensor network upgrade as a contribution to EUSST (10:20 - 10:40)**

**Student presentations: Beata Konacka - The tools essential for the detection of Near-Earth Asteroids and space debris (10:40 - 11:00)**

**Student presentations: Eleonora Veronica Lai - On the spectral-timing properties of Cygnus X-1 in its hard state. (11:20 - 11:40)**

**Student presentations: Marta Dzielak - Stratification of hot accretion flow of MAXI J1820+070 (11:40 - 12:00)**

**Student presentations: Tathagata Saha - Testing the reliability of AGN torus X-ray spectral models (12:00 - 12:20)**

**Student presentations: Saikruba Krishnan - Tools for Period Searching in AGN in the Era of "Big Data" (12:20 - 12:40)**

**Student presentations: Théo Hugues - Search for Dark Matter with liquid argon detectors (12:40 - 13:00)**

**Student presentations: Rajeev Rathour - Stellar Pulsation studies (13:00 - 13:20)**