

Name	Institution	Presentation Title
Day 1: Setting the stage		
Hendrik Schatz and Duncan Galloway Alexander Heger Gry Merete Tveten Valery Suleymanov	Monash University University of Oslo University of Tuebingen	Welcome and introduction Modelling of Type I X-Ray bursts From nuclear experiments to astrophysical reaction rates The influence of accretion on the spectral evolution of X-ray bursting neutron stars.
Day 2: Long bursts and rp-process		
Andrew Cumming Alice Harpole Zac Johnston Celia Sanchez Fernandez Khaled Alizai Motoko Serino	McGill University University of Southampton Monash University ISOC/ESAC/ESA DTU Space Aoyama Gakuin Univ.	Winds and mass loss in long X-ray bursts Multiscale modelling of neutron star oceans Parameter estimation using large grids of multizone burst models X-ray burst-induced spectral variability in Ginga 1826-24 A multi-instrument catalog of long thermonuclear X-ray bursts. MAXI observations of X-ray bursts
Day 3: Reaction Rates and Nuclear Physics		
Adam Jacobs Alfredo Estrade Adelle Goodwin Douglas Soltesz Zachary Meisel Matthew Amthor	Michigan State University Central Michigan University Monash University Ohio University Ohio University Bucknell University	X-Ray Burst Reaction Rate Sensitivities Sensitivity of X-ray bursts to nuclear reaction rates in a single-zone model Neutrino Losses Overestimated in Type I Thermonuclear X-ray Bursts and a New Nuclear Energy Generation Estimate Use of (3He,n) Indirect Measurements to Study H and He Burning Reactions of Type-1 X-Ray Bursts Exploring Nuclear Physics Uncertainties in Models of Type-I X-ray Bursts with MESA (via Zoom TBC) Coupled Sensitivities in rp-Process Nuclear Reaction Rates
Day 4: Neutron Star Crust and Cooling		
Edward Brown Alex Deibel Laura Ootes Matthew Caplan Jerome Chenevez Johannes in't Zand Joonas Nattila	Michigan State University Indiana University University of Amsterdam McGill University DTU Space SRON NORDITA	What lies beneath: reaction heating and cooling in the neutron star crust Reaction network crust compositions in crust cooling models Constraining shallow heating from crust cooling and superburst ignition Compositional Domains in Accreted Neutron Star Crusts A search for burst spectral features with NICER Empirical constraints on the cooling and rp-process in X-ray bursts Understanding the nuclear physics of neutron stars with X-ray bursts
Day 5: Burst Oscillations and Future Observations		
Anna Watts Yuri Cavecchi Anna Bilous Emma van der Wateren Frank Chambers Can Gungor Gaurava Kumar Jaisawal Hendrik Schatz and Duncan Galloway	University of Amsterdam Princeton University Universiteit van Amsterdam University of Amsterdam University of Amsterdam Institute of High Energy Physics (IHEP), Be National Space Institute (DTU Space)	Burst oscillations X-Ray Burst Rate vs Accretion Rate and Spin Frequency Revisiting the fractional amplitudes of type I thermonuclear burst oscillations in the RXTE legacy dataset Obtaining neutron star mass and radius estimates from the burst oscillations of the accreting MSP J1814-338 New burning physics and burst oscillations Partial Accretion in the Propeller Stage of Aql X-1 NICER views of thermonuclear bursts Workshop Summary