

Monday 21 November 2022			
Session 1 (Chair: Dmitri Wiebe, Zoom: Tomoyuki Hanawa)			
UTC: 08:00 - 08:10 EST (UTC-5): 03:00 - 03:10 JST (UTC+9): 17:00-17:10	1	Christian Boily	Opening remark
UTC: 08:10 - 08:30 EST (UTC-5): 03:10 - 03:30 JST (UTC+9): 17:10-17:30	2	Yamazaki, Soichiro	Quantum algorithm for the collisionless Boltzmann equation of self-gravitating systems
UTC: 08:30 - 08:50 EST (UTC-5): 03:30 - 03:50 JST (UTC+9): 17:30-17:50	3	Sharma, Ranbir	Reconstruction of late-time cosmology using principal component analysis
UTC: 08:50 - 09:10 EST (UTC-5): 03:50 - 04:10 JST (UTC+9): 17:50 - 18:10	4	Qiu,Yu	Unveiling the Hidden AGN-driven Outflows in Elliptical Galaxies and Clusters
UTC: 09:10 - 09:30 EST (UTC-5): 04:10 - 04:30 JST (UTC+9): 18:10 - 18:30	5	Keppens, Rony	BxC : a swift generator for turbulent magnetic fields in 3D!
UTC: 09:30-9:50 EST (UTC-5): 04:30 - 04:50 JST (UTC+9): 18:30 - 18:50	6	Sarkar, Biplob	Examining the impact of thermal conduction on the flow of magnetized dissipative accretion material onto a rotating black hole
UTC: 09:50 - 10:10 EST (UTC-5): 04:50 - 05:10 JST (UTC+9): 18:50 - 19:10	7	Zhu, Bojing	Relativistic HPIC-LBM Code based on Plasma Statistical Physics Framework and its Application in 3D LTSTMR
Break			
Session 2 (Chair: Michiko Fujii, Zoom: Jonathan Mackey)			
UTC: 13:00 - 13:20 EST (UTC-5): 08:00 - 08:20 JST (UTC+9): 22:00 - 22:20	8	Asano, Tetsuro	Galactic disk perturbed by the satellite galaxies
UTC: 13:20 - 13:40 EST (UTC-5): 08:20 - 08:40 JST (UTC+9): 22:20 - 22:40	9	Hartwig, Tilman	Public Release of A-SLOTH: Ancient Stars and Local Observables by Tracing Halos
UTC: 13:40 - 14:00 EST (UTC-5): 08:40 - 09:00 JST (UTC+9): 22:40 - 23:00	10	Hirashima, Keiya	Forecasting the expansion of SN shells using deep learning toward high-resolution galaxy simulations
UTC: 14:00 - 14:20 EST (UTC-5): 09:00 - 09:20 JST (UTC+9): 23:00 - 23:20	13	Aguirre-Santaella, Alejandra	Shedding light on low-mass subhalo survival and annihilation luminosity with numerical simulation
UTC: 14:20 - 14:40 EST (UTC-5): 09:20 - 09:40 JST (UTC+9): 23:20 - 23:40	12	Mondal, Debasish	Why is there observationally no central dark matter cusp in most giant spirals? An orbital and escape dynamics study
UTC: 14:40 - 15:00 EST (UTC-5): 09:40 - 10:00 JST (UTC+9): 23:40 - 00:00	13	Hu, Haojie	Signature of Supersonic Turbulence in Galaxy Clusters Revealed by AGN-driven H α Filaments
Break			
Session 3 (Chair: Gustavo Yepes, Zoom: Shazrene Mohamed)			
UTC: 20:00 - 20:20 EST (UTC-5): 15:00 - 15:20 JST (UTC+9): 05:00 - 05:20 + 1 day	15	Feldman, Catherine	Simulations of Type Ia Supernovae that Leave Bound Remnants
UTC: 20:20 - 20:40 EST (UTC-5): 15:20 - 15:40 JST (UTC+9): 05:20 - 05:40 + 1 day	16	Vallés-Pérez, David	The halo-finding problem revisited: a deep overhaul of the ASOHF code
UTC: 20:40 - 21:00 EST (UTC-5): 15:40 - 16:00 JST (UTC+9): 05:40 - 06:00 + 1 day	17	Das, Apashanka	On the origin of red spirals: Does assembly bias play a role?
UTC: 21:00 - 21:20 EST (UTC-5): 16:00 - 16:20 JST (UTC+9): 06:00 - 6:20 + 1 day	18	Grete, Philipp	Parthenon a performance portable block-structured adaptive mesh refinement framework
UTC: 21:20 - 22:00 EST (UTC-5): 16:20 - 17:00 JST (UTC+9): 06:20 - 07:00	14	Rosen, Anna (invited)	A Massive Star is Born: How Stellar Wind Feedback Limits Accretion onto Massive Stars

Tuesday 22 November 2022			
Session 4 (Chair: Pratika Dayal, Zoom: Michiko Fujii)			
UTC: 08:00 - 08:20 EST (UTC-5): 03:00 - 03:20 JST (UTC+9): 17:00 - 17:20	19	Bacchini, Fabio	Fully kinetic simulations of magnetorotational turbulence in a three-dimensional shearing box
UTC: 08:20 - 08:40 EST (UTC-5): 03:20 - 03:40 JST (UTC+9): 17:20 - 17:40	20	Nowak, Katarzyna	Could kilomasers pinpoint supermassive stars?
UTC: 08:40 - 09:00 EST (UTC-5): 03:40 - 04:00 JST (UTC+9): 17:40 - 18:00	21	Mencagli, Mattia	ISTEDDAS: a new direct N-Body code to study merging compact-object binaries in star clusters
UTC: 09:00 - 09:20 EST (UTC-5): 04:00 - 04:20 JST (UTC+9): 18:00 - 18:20	22	Mayank, Prateek	SWASTi- Space Weather Adaptive SimulaTion framework
UTC: 09:20 - 09:40 EST (UTC-5): 04:20 - 04:40 JST (UTC+9): 18:20 - 18:40	23	Beitia-Antero, Leire	Resolving grain-grain interactions in an MHD code
UTC: 09:40 - 10:00 EST (UTC-5): 04:40 - 05:00 JST (UTC+9): 18:40 - 17:00	24	Katsianis, Antonios	The Elephants in the room for the simulated and observed star formation rates of galaxies
Break			
Session 5 (Chair: Edouard Audit, Zoom: Dmitri Wiebe)			
UTC: 13:00 - 13:40 EST (UTC-5): 08:00 - 08:40 JST (UTC+9): 22:00 - 22:40	25	Nishimichi, Takahiro (invited)	The Dark Quest project for cosmological emulation
UTC: 13:40 - 14:00 EST (UTC-5): 08:40 - 09:00 JST (UTC+9): 22:40 - 23:00	26	Hozumi, Shunsuke	A Fast N-body Code for Simulating Disk-Halo Systems
UTC: 14:00 - 14:20 EST (UTC-5): 09:00 - 09:20 JST (UTC+9): 23:00 - 23:20	27	Kondratyev, Ilya	A semi-implicit numerical method for differentially rotating astrophysical flows
UTC: 14:20 - 14:40 EST (UTC-5): 09:20 - 09:40 JST (UTC+9): 23:20 - 23:40	28	Achikanath, Chirakkara	Radhika Developing a Hybrid-PIC code with FLASH to understand magnetic field amplification in collision-less plasma
UTC: 14:40 - 15:00 EST (UTC-5): 09:40 - 10:00 JST (UTC+9): 23:40 - 00:00	29	cancelled	
Break			
Session 6 (Chair: Jonathan Mackey, Zoom: Shazrene Mohamed)			
UTC: 20:00 - 20:20 EST (UTC-5): 15:00 - 15:20 JST (UTC+9): 05:00 - 05:20 + 1 day	30	Hastings, Ben	Making science fun with interactive plots
UTC: 20:20 - 20:40 EST (UTC-5): 15:20 - 15:40 JST (UTC+9): 05:20 - 05:40 + 1 day	31	Vorobyov, Eduard	Computing the gravitational potential on nested meshes using the convolution method
UTC: 20:40 - 21:00 EST (UTC-5): 15:40 - 16:00 JST (UTC+9): 05:40 - 06:00 + 1 day	32	Mukherjee, Diptajyoti	Evolution of Massive Binary Black Holes in Collisionally Relaxed Nuclear Star Clusters
UTC: 21:00 - 21:20 EST (UTC-5): 16:00 - 16:20 JST (UTC+9): 06:00 - 6:20 + 1 day	33	Shematovich, Valery	Kinetic Monte Carlo modeling of hot coronae at exoplanets
UTC: 21:20 - 21:40 EST (UTC-5): 16:20 - 16:40 JST (UTC+9): 06:20 - 6:40 + 1 day	34	de Avillez, Miguel	Time-dependent ionic and radiative structure of plasmas calculation using CPIPES
UTC: 21:40 - 22:00 EST (UTC-5): 16:40 - 17:00 JST (UTC+9): 06:40 - 07:00 + 1 day	35	Lombart, Maxime	High-order discontinuous Galerkin scheme for the coagulation/fragmentation equation

Wednesday 23 November 2022**Session 7 (Chair: Shazrene Mohamed, Zoom: Michiko Fujii)**

UTC: 08:00 - 08:40	36	Wünsch, Richard (invited)	Simulating star formation with the radiation transport code TreeRay
EST (UTC-5): 03:00 - 03:40			
JST (UTC+9): 17:00 - 17:40			
UTC: 08:40 - 09:00	37	Dihingia, Indu Kalpa	Temperature properties of accretion flow around Kerr black holes
EST (UTC-5): 03:40 - 04:00			
JST (UTC+9): 17:40 - 18:00			
UTC: 09:00 - 09:20	38	Calder, Alan	Experiences with running FLASH, an astrophysics simulation code, on Ookami, an A64FX testbed platform
EST (UTC-5): 04:00 - 04:20			
JST (UTC+9): 18:00 - 18:20			
UTC: 09:20 - 09:40	39	Teissier, Jean-Mathieu	Efficient high-order subsonic magnetohydrodynamics solvers
EST (UTC-5): 04:20 - 04:40			
JST (UTC+9): 18:20 - 18:40			
UTC: 09:40 - 10:00	40	Leidi, Giovanni	A finite-volume scheme for simulating fully compressible MHD flows at low Mach numbers in stellar interiors
EST (UTC-5): 04:40 - 5:00			
JST (UTC+9): 18:40 - 17:00			

Break

Session 8 (Chair: Christian Boily, Zoom: Jonathan Mackey)

UTC: 13:00 - 13:20	41	Shin-Rong, Tsai	libyt: A Tool for In-Situ Parallel Analysis and its Scientific Applications
EST (UTC-5): 08:00 - 08:20			
JST (UTC+9): 22:00 - 22:20			
UTC: 13:20 - 13:40	42	Smith Clark, Alexander	pynucastro: a library for visualizing and exploring nuclear reactions and networks
EST (UTC-5): 08:20 - 08:40			
JST (UTC+9): 22:20 - 22:40			
UTC: 13:40 - 14:00	43	Boyd, Brendan	Using MAESTROeX Low Mach Code to Study Convective Urca Process
EST (UTC-5): 08:40 - 09:00			
JST (UTC+9): 22:40 - 23:00			
UTC: 14:00 - 14:20	44	Brose, Robert	REGGAE: GPU-supported code to calculate gamma-gamma opacity in astrophysical objects
EST (UTC-5): 09:00 - 09:20			
JST (UTC+9): 23:00 - 23:20			
UTC: 14:20 - 14:40	45	Kulikov, Igor	Using Coarray Fortran for Hydrodynamics Code Development
EST (UTC-5): 09:20 - 09:40			
JST (UTC+9): 23:20 - 23:40			
UTC: 14:40 - 14:55	46	Discussion	
EST (UTC-5): 09:40 - 09:55			
JST (UTC+9): 23:40 - 23:55			
UTC: 14:55 - 15:00	47	Christian Boily	Closing remark
EST (UTC-5): 09:55 - 10:00			
JST (UTC+9): 23:55 - 24:00			