

New Horizons Science Team Meeting #54 (Agenda v8)

26-27 October 2023, Boston University and Virtual

All listed times are Eastern Standard Time (UTC-5h)

26-27 October Open for all Registered Participants



Registration: [New Horizons Science Team Meeting 54 - Registration](#)

Thursday, Oct 26– Open for all Registered Participants

Room: Room 202, Wightman Mansion, 43 Hawes, Brookline, MA

Zoom Link: <https://jhuapl.zoomgov.com/j/1601075215?pwd=NUVmUmpDREVRVGdVbF13UDBkRHJGZz09>

07:45	Continental Breakfast, Coffee and Tea in The Rotunda	
New Science Results: Pluto and Arrokoth		Chair: Pontus Brandt
08:30	Dynamic reorientation of tidally locked bodies: Application to Pluto	Vojtěch Patočka
Workshop 1: Heliophysics: PUIs and Energetic Particles		Chair: Justyna Sokol
08:50	Pick-Up Ions/ACRs/ENAs	Merav Opher
09:20	PUIs, Energetic Particles and Force Balance from Cassini and Voyager	Kostas Dialynas
09:50	PUIs in the Supersonic Solar Wind	Parisa Mostafavi
10:20	Discussion (M. Hill – PEPSSI New Results)	All
10:40	Break in The Rotunda (Group Photo – Wear Your New Horizons Shirts!)	All
Workshop 2: Heliophysics: Solar Wind Propagation		Chair: Parisa Mostafavi
11:00	Solar Wind Evolution Observed by New Horizons and Voyager	Heather Elliott
11:30	Solar-Driven Disturbances in the Heliosphere and VLISM	Elena Provornikova
12:00	Simulations of Solar Wind Evolution	Tae Kim
12:30	Discussion (F. Fraternali – New Modeling Results)	All
12:50	Lunch (on your own)	All
New Science Results: Heliophysics		Chair: Elena Provornikova
14:10	Interstellar Neutrals and PUIs from IBEX and New Horizons	Pawel Swaczyna
14:30	Shock and PUI Interaction Simulations	Berci Zieger/Anna Nica
14:50	Deterministic propagation of suprathermal ions through the heliosphere	Peter Kollmann
15:10	Evolution of Proton PUI tails	Bishwas Shrestha
15:30	SWAP/PEPSSI Analysis	Ralph McNutt
15:50	Interstellar Probe Status Update	Pontus Brandt
16:00	Break in The Rotunda	All
New Science Results: Pluto and What Lies Ahead in The Kuiper Belt?		Chair: Anne Verbiscer
16:15	Impact modeling in the Pluto system	Veronica Bray
16:35	JWST Deep KBO Search Results	John Stansberry
16:55	Study of TNO Lightcurves from the DEEP survey	Ryder Strauss
17:15	SDC Results and Possible Interpretation	Alex Doner
17:35	A deep analysis for New Horizons' TNO search images	Toshifumi Yanagisawa
17:55	CLASSY KBO Search	Sam Lawler
18:15	Adjourn	Pontus Brandt

Friday, Oct 27 – Open for all Registered Participants

Room: Room 202, Wightman Mansion, 43 Hawes, Brookline, MA

Zoom Link: <https://jhuapl.zoomgov.com/j/1619218567?pwd=ZkppK1ZZK1hmUXRZbXFNTTFqcDR0dz09>

07:45	Continental Breakfast, Coffee and Tea in The Rotunda	
	Workshop 3: Astrophysics: Cosmic Background (25 min talk +5 min discussion)	Chair: Tod Lauer
08:30	Alice in the Diffuse Ultraviolet Background	Dick Henry
09:00	The cosmic optical background and dark matter	Marc Kamionkowski
09:30	A Brief Tour of EUV Astronomy and Extreme Exoplanet Atmospheres	Kevin France
10:00	The other Planck constant: unseen dust emission at low NHI	Jean-Marc Casandjian
10:30	Break in The Rotunda	
	Workshop 4: Masses and Dynamics of Pluto's Small Moons (30 min talk + 10 min discussion)	Chair: Will Grundy
10:40	Improved constraints on the dynamical behavior and masses of the small satellites	Scott Kenyon
11:20	Orbits and masses of the small satellites of Pluto	Simon Porter
12:00	Closing Discussion	All
12:30	Final Announcements and Adjourn	Pontus Brandt, Alan Stern