

18th Potsdam Thinkshop

Monday, 14 July 2025

Talks: SN & ISM 1 - Conference Room, Maria-Margaretha-Kirch building (09:00 - 10:40)

-Conveners: Kathryn Kreckel

time	[id] title	presenter
09:00	[287] Invited Talk	NAAB, Thorsten
09:25	[198] The interaction between stars and the ISM on “cloud scales” unveiled by machine learning	BELFIORE, Francesco
09:45	[208] The (Un)Changing ISM and the Impact of Feedback in FIRE Galaxies through Cosmic Time	ORR, Matt
10:05	[232] Structure and porosity of the multiphase ISM in nearby spatially resolved galaxies	RAMAMBASON, Lise
10:25	[288] Panel of 4	

Talks: CRs & Radation - Conference Room, Maria-Margaretha-Kirch building (11:20 - 13:00)

-Conveners: Maria Werhahn

time	[id] title	presenter
11:20	[289] Invited Talk	RUSZKOWSKI, Mattheusz
11:45	[165] Unraveling the interplay of cosmic ray and stellar feedback in galaxy formation	THOMAS, Timon
12:05	[150] Probing cosmic-ray driven winds with deep radio observations	MATTHEWS, Allison
12:25	[242] The formation of a meta-stable CR corona round Milky Way analogues	RODRIGUEZ MONTERO, Francisco
12:45	[290] Panel of 4	

Talks: Winds 1 - Conference Room, Maria-Margaretha-Kirch building (14:30 - 16:10)

-Conveners: Jake Bennett

time	[id] title	presenter
14:30	[293] Invited Talk	SMITH, Matthew
14:55	[24] Observing Neutral Outflows in High-Redshift Galaxies with JWST	BELLI, Sirio
15:15	[72] New Constraints on Molecular Gas Outflows in Massive SFGs at $z = 0.5 - 2.6$	BARFETY, Capucine
15:35	[248] Complex outflows lead to simple relations: how M-sigma emerges in a multiphase environment	ZUBOVAS, Kastytis
15:55	[304] Panel of 4	

Talks: AGN 1 - Conference Room, Maria-Margaretha-Kirch building (16:40 - 18:20)

-Conveners: Meredith Powell

time	[id] title	presenter
16:40	[291] Invited Talk	RAMOS-ALMEIDA, Cristina
17:05	[186] Cosmic Ray Feedback in the Universe: Fermi Bubbles and Odd Radio Circles	YANG, Hsiang-Yi Karen
17:25	[45] Global energetics and feedback as probed by AGN incidences	IGO, Zsofi
17:45	[263] Multi-scale Simulations of Supermassive Black Hole Accretion and Feedback from Galactic to Event Horizon Scales	CERNETIC, Miha
18:05	[292] Panel of 4	

Tuesday, 15 July 2025

Talks: CGM 1 - Conference Room, Maria-Margaretha-Kirch building (09:00 - 10:40)

-Conveners: Cassandra Lochhaas

time	[id] title	presenter
09:00	[294] Invited Talk	GRONKE, Max
09:25	[38] Connecting the turbulent circumgalactic medium to star formation in galaxies	CHEN, Hsiao-Wen
09:45	[192] The spatial variations of circum-galactic gas structures in high resolution simulations and in state-of-the-art IFU observations	AUGUSTIN, Ramona
10:05	[35] Multiphase gas in cosmological galaxy formation simulations	WEINBERGER, Rainer
10:25	[295] Panel of 4	

Talks: SN & ISM 2 - Conference Room, Maria-Margaretha-Kirch building (11:20 - 13:00)

-Conveners: Matt Orr

time	[id] title	presenter
11:20	[296] Invited Talk	ARMILOTTA, Lucia
11:45	[152] Observational constraints on the coupling efficiency of mechanical stellar feedback	EGOROV, Oleg
12:05	[66] What regulates the star formation rates in galaxies?	HENNEBELLE, patrick
12:25	[85] Modeling the multi-phase ISM shaped by star formation and feedback in the LMC	LIANG, Xinyue
12:45	[297] Panel of 4	

Wednesday, 16 July 2025

Talks: Winds 2 - Conference Room, Maria-Margaretha-Kirch building (09:00 - 10:40)

-Conveners: Alankar Dutta

time	[id] title	presenter
09:00	[298] Invited Talk	MARTIN, Crystal
09:25	[141] Insights from High-Resolution QED Simulations- Metal transport and Outflow properties	VIJAYAN, Aditi
09:45	[162] Unveiling the Secrets of High-Velocity Outflows of the LMC's 30 Doradus Starburst	POUDEL, Suraj
10:05	[65] Mapping circumgalactic outflows with MUSE	PESSA GUTIERREZ, Ismael Alejandro
10:25	[299] Panel of 4	

Talks: CGM 2 - Conference Room, Maria-Margaretha-Kirch building (11:20 - 13:00)

-Conveners: Ramona Augustin

time	[id] title	presenter
11:20	[300] Invited Talk	PÉROUX, Céline
11:45	[169] Mix, Cool, Repeat: Understanding the dynamics of a turbulent & magnetised CGM	DAS, Hitesh Kishore
12:05	[161] Cosmic Ray Feedback-Driven Evolution of Cold Gas in the Circumgalactic Medium	WEBER, Matthias
12:25	[201] Finding the circumgalactic medium in the Lyman-alpha forest	MUÑOZ SANTOS, Duarte
12:45	[301] Panel of 4	

Talks: CRs & Magnetic Fields - Conference Room, Maria-Margaretha-Kirch building (14:30 - 16:10)

-Conveners: Allison Matthews

time	[id] title	presenter
14:30	[302] Invited Talk	GIRICHIDIS, Philipp
14:55	[44] Constraining Cosmic Ray Feedback in Galaxy Formation	WERHAHN, Maria
15:15	[89] How magnetic fields alter feedback and angular momentum transfer in MW-like galaxies	WHITTINGHAM, Joseph
15:35	[250] Towards reliable simulations of magnetic fields in galaxies	DIEMER, Benedikt
15:55	[303] Panel of 4	

Thursday, 17 July 2025

Talks: High-z 1 - Conference Room, Maria-Margaretha-Kirch building (09:00 - 10:40)

-Conveners: Enrico Garaldi

time	[id] title	presenter
09:00	[305] Invited Talk	TACCHELLA, Sandro
09:25	[252] Galaxy formation at sub-parsec resolution	PILLEPICH, Annalisa
09:45	[214] Galaxy assembly in the first billion years: Mini-quenching, lulling galaxies and more evidence for bursty SFHs driven by intense feedback	LOOSER, Tobias
10:05	[178] Exploring the Impact of Different Stellar Feedback Scenarios on ISM Structure and Spectroscopic Observables with MEGATRON	CHOUSTIKOV, Nicholas
10:25	[306] Panel of 4	

Talks: Low-z 1 - Conference Room, Maria-Margaretha-Kirch building (11:20 - 13:00)

-Conveners: Kirsten Hall

time	[id] title	presenter
11:20	[307] Invited Talk	KRECKEL, Kathryn
11:45	[270] Regulation of star formation in low-metallicity galaxies by feedback and turbulence	POLZIN, Ava
12:05	[137] The impact of feedback on the cool gas around star-forming galaxies	BOUCHE, Nicolas
12:25	[77] Prevention is better than cure?	BENNETT, Jake
12:45	[308] Panel of 4	

Friday, 18 July 2025

Talks: AGN 2 - Conference Room, Maria-Margaretha-Kirch building (09:00 - 10:40)

-Conveners: Rosie Talbot

time	[id] title	presenter
09:00	[309] Invited Talk	COSTA, Tiago
09:25	[25] Unveiling Turbulence Drivers in Quasar Halos: Insights from IFS Observations with VLT/MUSE and JWST/NIRSpec IFU	CHEN, Mandy
09:45	[207] Constraining AGN Feedback with Microwave and X-ray Measurements	SCANNAPIECO, Evan
10:05	[60] The XMAGNET Exascale MHD simulations of SMBH feedback in galaxy groups and clusters	GRETE, Philipp
10:25	[310] Panel of 4	

Talks: High-z 2 - Conference Room, Maria-Margaretha-Kirch building (11:20 - 13:00)

-Conveners: Sirio Belli

time	[id] title	presenter
11:20	[311] Invited Talk	KATZ, Harley
11:45	[12] Variability of the UV luminosity function with SPIC	BASU, Arghyadeep
12:05	[148] Confronting Lyman alpha properties of high-z galaxies with simulations with strong stellar feedback	KIMM, Taysun
12:25	[61] The COLIBRE model of galaxy formation	SCHALLER, Matthieu
12:45	[312] Panel of 4	

Talks: Low-z 2 - Conference Room, Maria-Margaretha-Kirch building (14:30 - 16:10)

-Conveners: Matthieu Schaller

time	[id] title	presenter
14:30	[313] Invited Talk	SEMENOV, Vadim
14:55	[99] Bursty Star Formation in Dwarfs is Sensitive to Numerical Choices in Supernova Feedback Models	ZHANG, Eric
15:15	[46] Probing feedback and environments of radio quiet quasars with radio through sub-millimeter interferometry	HALL, Kirsten
15:35	[37] A Novel Supermassive Black Hole Feedback Model in Hydrodynamical Simulations	AYROMLOU, Mohammadreza
15:55	[314] Panel of 4	