

SFB 1491 Kick-Off Meeting

Monday 30 May 2022

Session: 1 (09:30 - 11:00)

-Conveners: Wolfgang Rhode

time	[id] title	presenter
09:30	[6] Cosmic Interacting Matters - From Source to Signal	TJUS, Julia
10:05	[9] Project Ö	HÜTTEMEISTER, Susanne
10:25	[7] Our INF Strategy	GRAUER, Rainer
10:45	[8] The Graduate School in CIM	HILDEBRANDT, Hendrik

Session: 2 (15:15 - 16:45)

-Conveners: Jens Kleimann

time	[id] title	presenter
15:15	[22] Exploring AGN physics with high-energy neutrinos	BRITZEN, Silke
16:05	[23] Highlights from Plasma Physics @ CIM	GRAUER, Rainer

Tuesday 31 May 2022

Session: 3 (09:00 - 10:30)

-Conveners: Hans Dembinski

time	[id] title	presenter
09:00	[24] Structure-preserving particle-in-cell simulations with an outlook on the relativistic Vlasov-Maxwell equations	KORMANN, Katharina
09:45	[26] Highlights from Dark Matter Research @ CIM	HILDEBRANDT, Hendrik

Session: 4 (11:00 - 12:30)

-Conveners: Lukas Merten

time	[id] title	presenter
11:00	[27] Highlights from Astrophysical Observations @ CIM	DETTMAR, Ralf-Jürgen
11:45	[28] Highlights from Theoretical Astrophysics @ CIM	FICHTNER, Horst

Session: 5 (14:00 - 15:30)

-Conveners: Björn Adebahr

time	[id] title	presenter
14:00	[37] Astroparticles and Particles	ALBRECHT, Johannes
14:40	[30] Galaxy Simulations Including CR Transport	GRENIER, Isabelle

Wednesday 1 June 2022

Session: 6 (09:00 - 10:30)

-Conveners: **Mirco Huennefeld**

time	[id] title	presenter
09:00	[29] Extragalactic cosmic ray sources	KACHELRIESS, Michael
09:50	[51] Ballistic vs Diffusive Propagation in AGN jets	REICHERZER, Patrick
10:10	[49] Gamma-ray and neutrino emission from the Galactic Center	DÖRNER, Julien

Session: 7 (11:00 - 12:30)

-Conveners: **Massimiliano Lincetto**

time	[id] title	presenter
11:00	[31] Wide-field imaging surveys for weak gravitational lensing and galactic halo science	WITTJE, Anna
11:20	[39] Magnetic Reconnection in Space Plasmas: Connection Between Kinetic and Global Scales	DARGENT, Jeremy
11:40	[32] Reconnection in partially ionized plasmas with application to astrophysics and space plasmas	PUCCI, Fulvia

Thursday 2 June 2022

Session: 8 (09:00 - 10:30)

-Conveners: Leonel Morejon

time	[id] title	presenter
09:00	[40] Cross section measurements at LHCb for CIM	KOLK, Lars
09:20	[41] CRe Propagation in Galactic Halos	STEIN, Michael
09:40	[42] Numerical Modeling of Radiation Processes in High-Energy Blazars	OMELIUKH, Anastasiia
10:00	[43] Exploring feedback processes via shear-, magnitude-, and colour-position correlation functions	WRIGHT, Angus
10:20	[54] Discussion	

Session: 9 (11:00 - 12:30)

-Conveners: Xavier Rodriguez

time	[id] title	presenter
11:00	[44] Cosmic rays in the transition region between the knee and the ankle	KÄÄPÄ, Alex
11:20	[45] Fast Charged Particle Transport in Artificially Generated Magnetic Turbulence	EFFENBERGER, Frederick
11:40	[46] Monte Carlo Tuning	LA CAGNINA, Salvatore
12:00	[47] Extreme Conditions in Compact Dwarf Starburst Galaxies	ENDERS, Adam
12:20	[55] Discussion	

Session: 10 (14:00 - 15:30)

-Conveners: Patrick Reichherzer

time	[id] title	presenter
14:00	[33] Time Domain Structures (TDS) in Laboratory, Space and Astrophysical Plasmas	SYDORA, Richard
14:50	[48] Dark Matter Search: Gamma + Radio	FROESE, Stefan
15:10	[56] Discussion	

Session: 11 (16:00 - 17:40)

-Conveners: Frederick Effenberger

time	[id] title	presenter
16:00	[35] Multimessenger astronomy of cosmic particle accelerators	KUN, Emma
16:50	[38] Unfolding of neutrino energy spectra with IceCube data	KARDUM, Leonora
17:10	[50] Multimessenger emission from NGC1068	EICHMANN, Björn