Quarkonia meet Dark Matter

Tuesday 15 June 2021

Main program: Welcome, Opening Remarks - Remote access (19:55 - 20:00)

Main program: Overview - Remote access (20:00 - 21:20)

time [id] title	presenter
20:00 [3] Electroweakly-interacting dark matter	HISANO, Junji
20:40 [4] Dark matter bound states	PETRAKI, Kallia

Main program: Overview - Remote access (21:40 - 23:00)

time	[id] title	presenter
21:40	[5] Pair annihilation and bound states in a thermal plasma	LAINE, Mikko
22:20	[6] Quarkonium in medium: a NR EFT approach to dissociation and	VAIRO, Antonio
	ricombination	

Wednesday 16 June 2021

<u>Main program: Finite temperature status DM, Effective field theories: non-relativistic and potential non-relativistic</u> - Remote access (20:00 - 21:20)

time [id] title	presenter
20:00 [7] Non-equilibrium theory of non-relativistic pairs inside an environment	BINDER, Tobias
20:40 [8] Potential non-relativistic QCD and open quantum system description of the non-equilibrium evolution of quarkonium inside the medium	ESCOBEDO ESPINOSA, Miguel Ángel

Main program: Open quantum system treatment, Experiment - Remote access (21:40 - 23:00)

time [[id] title	presenter
21:40 [[9] Quarkonium production in pp and heavy ion collisions	MEHEN, Tom
	[10] Nuclear modification of open heavy flavor and quarkonia production in	KE, Weiyao
	heavy ion collisions	

Thursday 17 June 2021

<u>Main program: High temperature DM Sommerfeld enhancement and bound state decay, EFT, NLO zero and finite T non-abelian bound state formation at low temperature</u> - Remote access (20:00 - 20:55)

time [id] title		presenter
20:00	[11] Dark matter and coloured co-annihilators: from the relic density to experimental constraints	BIONDINI, Simone
20:30	[12] Chromoelectric field correlator for quarkonium transport and thermal dark matter relic abundance	SCHEIHING HITSCHFELD, Bruno

<u>Main program: Precision WIno and indirect detection, Minimal and colored co-annihilating Dark Matter, Higgs contributions</u> - Remote access (21:10 - 22:50)

time	[id] title	presenter
21:10	[13] Electroweak WIMP annihilation, resummed beyond LO with non-relativistic dark matter EFT and SCET	BENEKE, Martin
21:50	[14] Bound-state effects in EW and colored co-annihilation and unitarity bound	SMIRNOV, Juri
22:20	[15] Higgs enhancement and bound state formation in coannhilation scenarios of dark matter	HARZ, Julia

Friday 18 June 2021

Main program: Non-perturbative bound state systems, monopole transitions - Remote access (20:00 - 21:05)

time [id] title		presenter
20:00	[16] Thermal Squeezeout for Strongly Interacting Dark Matter	SLATYER, Tracy
	[17] Monopole transitions via emission of a charged scalar and their importance for dark matter coupled to the Higgs	PETRAKI, Kallia

Main program: Hydro and lattice simulation - Remote access (21:20 - 22:40)

time [id] title	presenter
21:20 [18] Bottomonium suppression in heavy ion collisions	STRICKLAND, Michael
22:00 [19] Strongly interacting systems at finite T: results from the lattice	ROTHKOPF, Alexander

Main program: Closing remarks - Remote access (22:40 - 22:50)