

ICHEP 2022**Thursday, 7 July 2022****Formal Theory - Room 7 (Gialla) (09:00 - 10:45)****-Conveners: Silvia Penati; Jaroslav Trnka**

time	[id] title	presenter
09:00	[249] Dark Phase Transition and Gravitational Wave of Strongly Coupled Hidden Sectors	WANG, ZHIWEI
09:15	[706] A new approach to observables in quantum gravity	MAAS, Axel
09:30	[961] Classical and quantum gravitational scattering with Generalized Wilson Lines	BONOCORE, Domenico
09:45	[1277] Radion dynamics in the multibrane Randall-Sundrum model	CAI, Haiying
10:00	[427] A new mechanism for symmetry breaking from nilmanifolds	DEANDREA, Aldo
10:15	[1146] The limits of the strong CP problem	TAMARIT, Carlos

Formal Theory - Room 7 (Gialla) (11:15 - 13:00)**-Conveners: Silvia Penati; Jaroslav Trnka**

time	[id] title	presenter
11:30	[1294] RGEs and positivity bounds of the SMEFT dimension-8 operators.	DAS BAKSHI, Supratim
11:45	[521] MATCHETE: Matching Effective Theories Efficiently	PAGÈS, Julie
12:00	[1378] On a common origin of gauge interactions and flavour structure of the Standard Model	PASECHNIK, Roman
12:15	[387] Axion Effective Action	Dr VUONG, Pham Ngoc Hoa
12:30	[420] Quantum algorithm for querying causality of multiloop scattering amplitudes	RAMIREZ URIBE, Norma Selomit
12:45	[12] The Nielsen-Olesen vortex coupled to Einstein gravity in AdS ₃	EDERY, Ariel

Friday, 8 July 2022

Formal Theory - Room 7 (Gialla) (09:00 - 10:45)

-Conveners: **Davide Fioravanti; Patrick Dorey**

time	[id] title	presenter
09:00	[156] Phase diagram of QCD in strong background magnetic field	MAIO, Lorenzo
09:15	[392] Hadron spectroscopy using holographic QCD and 't Hooft equation	AHMADY, Mohammad
09:30	[837] Three-loop four-particle QCD amplitudes	BARGIELA, Piotr
09:45	[1003] The QCD topological susceptibility at high temperatures via staggered fermions spectral projectors	Dr BONANNO, Claudio
10:00	[1011] Six-meson amplitude in QCD-like theories	HUSEK, Tomáš
10:15	[742] Automation of antenna subtraction in colour space	MARCOLI, Matteo

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time	[id] title	presenter
11:15	[1089] Counting instantons at strong coupling	Prof. LONGHI, Pietro
11:30	[1004] A Large family of solvable lattice models (round to face models) based on WZW models	RAMOS, Juan
11:45	[1355] On the origin of the correspondence between classical and quantum integrable theories	ROSSI, Marco
12:00	[728] Colour-kinematics duality, double copy, and homotopy algebras	MACRELLI, Tommaso
12:15	[506] Integrability as a new method for exact results on quasinormal modes of black holes	GREGORI, Daniele
12:30	[1112] Renormalization Group beta function and anomalous dimensions	WITZEL, Oliver

Saturday, 9 July 2022

Formal Theory - Room 7 (Gialla) (09:00 - 10:45)

-Conveners: **Davide Fioravanti; Silvia Penati**

time	[id] title	presenter
09:00	[87] Towards a beyond the Standard Model model with elementary particle non-perturbative mass generation	Prof. ROSSI, Giancarlo
09:15	[151] An exceptional $G(2)$ extension of the Standard Model from an algebraic conjecture: implications for the strong sector and dark matter	MASI, Nicolò
09:30	[422] $SU(5)$ aGUT: a minimal asymptotic grand unification model	CACCIAPAGLIA, Giacomo
09:45	[709] Possible discrepancies in the spectrum of GUT models	DOBSON, Elizabeth
10:00	[965] Phenomenology of an $N=1$ split-like model resulting from the dimensional reduction of an $N=1$, 10D $E(8)$ gauge theory over a modified flag manifold	PATELLIS, Gregory
10:15	[460] Modular symmetries and the flavor problem	MELONI, Davide
10:30	[1228] Electroweak Flavour Unification	DAVIGHI, Joe