



# The 39th International Symposium on Lattice Field Theory (Lattice 2022)

## Monday, 8 August 2022

### Particle physics beyond the Standard Model: Particle physics beyond the Standard Model I - CP1-HSZ/0.001 (CP1-HSZ) - HS3 (14:00 - 16:00)

-Conveners: Oliver Witzel

time	[id] title	presenter
14:00	[137] Towards a beyond the Standard Model model with elementary particle non-perturbative mass generation	Prof. ROSSI, Giancarlo
14:20	[101] Non-perturbative study of Yang-Mills theory with four supercharges in two dimensions	Mr DHINDSA, Navdeep Singh
14:40	[106] Update on SU(2) with one adjoint Dirac flavor	Dr BENNETT, Ed
15:00	[12] Noether supercurrent operator mixing from lattice perturbation theory	Dr COSTA, Marios
15:20	[40] Supercurrent renormalization in $\mathcal{N}=1$ supersymmetric Yang-Mills theory on the lattice in GIRS scheme	SOLER, Ivan
15:40	[126] Investigating Vector Boson Scattering: A Lattice study	RIEDERER, Bernd

### Particle physics beyond the Standard Model: Particle physics beyond the Standard Model II - CP1-HSZ/0.001 (CP1-HSZ)

- HS3 (16:30 - 18:30)

-Conveners: Georg Bergner

time	[id] title	presenter
16:30	[223] Exploring the large $N_c$ limit with one quark flavour	JAEGER, Benjamin
16:50	[216] Reconstruction of spectral densities in a composite-Higgs model	LUPO, Alessandro
17:10	[234] Lattice Studies of 3D Maximally Supersymmetric Yang-Mills	SHERLETOV, Angel
17:30	[240] Exploring conformality in lattice $N=4$ supersymmetric Yang-Mills	SCHAICH, David
17:50	[196] Progress Towards Stealth Dark Matter Scattering	CUSHMAN, Kimmy
18:10	[144] Dark Isosinglet Mesons in $Sp(4)$ gauge theory	ZIERLER, Fabian

# Wednesday, 10 August 2022

## Particle physics beyond the Standard Model: Particle physics beyond the Standard Model III - CP1-HSZ/0.001 (CP1-HSZ) - HS3 (14:00 - 16:00)

-Conveners: David Schaich

time	[id] title	presenter
14:00	[247] Renormalization Group beta function for SU(3) gauge-fermion systems	WITZEL, Oliver
14:20	[246] Spectroscopy of $Sp(4)$ lattice gauge theory with $n_f=3$ antisymmetric fermions	LEE, Jong-Wan
14:40	[245] Spectroscopy of chimera baryons on $Sp(4)$ lattice gauge theory	HSIAO, Ho
15:00	[305] Density of states for gravitational waves	SP, Felix
15:20	[283] Position-Space Renormalisation of the Energy-Momentum Tensor Two-Point Function	BERGALLO ROCHA, Henrique
15:40	[206] One flavour adjoint QCD with overlap fermions	BERGNER, Georg

## Particle physics beyond the Standard Model: Particle physics beyond the Standard Model IV - CP1-HSZ/0.001 (CP1-HSZ)

- HS3 (16:30 - 18:30)

-Conveners: Benjamin Jaeger

time	[id] title	presenter
16:30	[369] Gradient flow anomalous dimensions for ten-flavor SU(3) gauge theory	PETERSON, Curtis
16:50	[427] Complex Langevin Study of Spontaneous Symmetry Breaking in IKKT Matrix Model	Mr KUMAR, Arpit
17:10	[400] The spectrum of GUT-like gauge-scalar models	DOBSON, Elizabeth
17:30	[319] The density of state method in Yang-Mills theories and first-order phase transitions	MASON, David
17:50	[438] Operator Mixing under the Gradient Flow: The Gluon CEDM	RIZIK, Matthew