



# YTF 22

## Thursday, 15 December 2022

### **Full Length Talks: Amplitudes - Ph8 (zoom room 1) (15:30 - 16:00)**

time	[id] title	presenter
15:30	[18] Pushforwards through the Scattering Equations	STALKNECHT, Jonah

### **Full Length Talks: Astroparticle DM and Neutrino Physics - Ph30 (zoom room 2) (15:30 - 16:00)**

time	[id] title	presenter
15:30	[33] Can Primordial Black Hole Clusters Evade Microlensing Constraints?	GORTON, Matthew

### **Full Length Talks: Amplitudes - Ph8 (zoom room 1) (16:00 - 16:30)**

time	[id] title	presenter
16:00	[13] How to find the Feynman Rules from any scalar-tensor theory and not cry in the process	SEVILLANO MUÑOZ, Sergio

### **Full Length Talks: Astroparticle DM and Neutrino Physics - Ph30 (zoom room 2) (16:00 - 16:30)**

time	[id] title	presenter
16:00	[32] Sensitivity of Future Tritium Decay Experiments to New Physics	DEPPISCH, Frank CANNING, James

### **Full Length Talks: Amplitudes - Ph8 (zoom room 1) (16:30 - 17:00)**

time	[id] title	presenter
16:30	[11] On Graviton non-Gaussianities in the Effective Field Theory of Inflation	THAVANESAN, Ayngaran

### **Full Length Talks: Astroparticle DM and Neutrino Physics - Ph30 (zoom room 2) (16:30 - 17:00)**

time	[id] title	presenter
16:30	[5] Constraining Heavy Neutral Leptons with DUNE & Neutrinoless Double Beta Decay	Mr ZHANG, Zhong

### **Full Length Talks: Black Holes - Ph8 (zoom room 1) (17:20 - 17:50)**

time	[id] title	presenter
17:20	[8] Zero-damped Modes and Nearly Extremal Horizons	JOYKUTTY, Jason

### **Full Length Talks: QCD - Ph30 (zoom room 2) (17:20 - 17:50)**

time	[id] title	presenter
17:20	[19] Five loop analysis of stable fixed points in QCD	MASON, Robert

**Full Length Talks: Black Holes - Ph8 (zoom room 1) (17:50 - 18:20)**

time	[id] title	presenter
17:50	[20] Regge pole description of scattering by dirty black holes	HU, Shiqian

**Full Length Talks: QCD - Ph30 (zoom room 2) (17:50 - 18:20)**

time	[id] title	presenter
17:50	[34] Improved Antenna Subtraction at NNLO	BRAUN-WHITE, Oscar

**Full Length Talks: Black Holes - Ph8 (zoom room 1) (18:20 - 18:50)**

time	[id] title	presenter
18:20	[41] Accelerating black holes in 2+1 dimensions	ARENAS-HENRIQUEZ, Gabriel

**Full Length Talks: QCD - Ph30 (zoom room 2) (18:20 - 18:50)**

time	[id] title	presenter
18:20	[37] The density of states method, Yang-Mills theories and first order phase transitions	MASON, David

## Friday, 16 December 2022

### Full Length Talks: Cosmology - Ph30 (zoom room 2) (09:10 - 09:40)

time	[id] title	presenter
09:10	[3] Analyticity of the wavefunction of the universe	Mr AGUI SALCEDO, Santiago

### Full Length Talks: Strings - Ph8 (zoom room 1) (09:10 - 09:40)

time	[id] title	presenter
09:10	[21] Wilson loops for 5d and 3d conformal linear quivers	FATEMIABHARI, Ali

### Full Length Talks: Cosmology - Ph30 (zoom room 2) (09:40 - 10:10)

time	[id] title	presenter
09:40	[17] The complexity of cosmic large-scale structure encoded in a single wavefunction	GOUGH, Alex

### Full Length Talks: Strings - Ph8 (zoom room 1) (09:40 - 10:10)

time	[id] title	presenter
09:40	[10] Pure Spinor Super Yang Mills at $\lambda^3$	HUNTER, Callum

### Full Length Talks: Cosmology - Ph30 (zoom room 2) (10:10 - 10:40)

time	[id] title	presenter
10:10	[26] Non-Gaussianity from preheating of non-minimally coupled inflaton	GHODERAO, Pulkit

### Full Length Talks: Strings - Ph8 (zoom room 1) (10:10 - 10:40)

time	[id] title	presenter
10:10	[25] A covering map description for AdS3/CFT2	MCSTAY, Nathan

### Full Length Talks: Holography - Ph30 (zoom room 2) (13:00 - 13:30)

time	[id] title	presenter
13:00	[40] Information recovery in JT gravity	TALWAR, Neil

### Full Length Talks: Phenomenology - Ph8 (zoom room 1) (13:00 - 13:30)

time	[id] title	presenter
13:00	[24] High Energy Jets (HEJ) applied to Higgs plus jets processes	PALTRINIERI, Jeremy

**Full Length Talks: Holography - Ph30 (zoom room 2) (13:30 - 14:00)**

time	[id] title	presenter
13:30	[7] Cauchy Slice Holography	KHAN, Rifath

**Full Length Talks: Phenomenology - Ph8 (zoom room 1) (13:30 - 14:00)**

time	[id] title	presenter
13:30	[14] Flavour symmetries and Standard Model tests in B->DD decays	DAVIES, Jonathan

**Full Length Talks: Gravity - Ph8 (zoom room 1) (14:30 - 15:00)**

time	[id] title	presenter
14:30	[12] Higher-spin symmetry in asymptotically flat space-time	PEKAR, Simon

**Full Length Talks: Physics Beyond the Standard Model - Ph30 (zoom room 2) (14:30 - 15:00)**

time	[id] title	presenter
14:30	[39] Flavonstrahlung in the B3 – L2 Z' Model at Current and Future Colliders	LOISA, Eetu

**Full Length Talks: Gravity - Ph8 (zoom room 1) (15:00 - 15:30)**

time	[id] title	presenter
15:00	[22] A dynamical formulation of ghost-free massive gravity	KOŽUSZEK, Jan

**Full Length Talks: Physics Beyond the Standard Model - Ph30 (zoom room 2) (15:00 - 15:30)**

time	[id] title	presenter
15:00	[29] The Axion-Higgs portal	SPINNER, Jonas

**Full Length Talks: Gravity - Ph8 (zoom room 1) (15:30 - 16:00)**

time	[id] title	presenter
15:30	[35] Non-Linear Solutions and the Double Copy	ARMSTRONG-WILLIAMS, Kymani

**Full Length Talks: Physics Beyond the Standard Model - Ph30 (zoom room 2) (15:30 - 16:00)**

time	[id] title	presenter
15:30	[4] Cornering the Two Higgs Doublet Model	ATKINSON, Oliver