

New geometric structures in scattering amplitudes

In collaboration with the Clay Mathematics Institute and the EPSRC

TIME	MONDAY 22 nd	TUESDAY 23 rd	WEDNESDAY 24 th	THURSDAY 25 th
09:30	Louise Dolan (The Scattering Equations, their Properties and Proofs)	Anastasia Volovich (Cluster Polylogarithms and Scattering Amplitudes)	Lauren Williams (The Positive Grassmannian, a Mathematician's Perspective)	Simon Caron-Huot (tba)
10:30	Coffee (Mezzanine)	Coffee (Mezzanine)	Coffee (Mezzanine)	Coffee (Mezzanine)
11:00	Tim Adamo (The Scattering Equations in Curved Space)	Tomek Lukowski (Tree-level scattering amplitudes in N=4 SYM from integrability)	Pedro Vieira (Amplitudes as a Flux Tube Gas: Gluons)	Paul Heslop (Correlation Functions of Stress Tensor Multiplets in N=4 SYM)
12:00	Arthur Lipstein (Ambitwistor Strings at Null Infinity and Asymptotic Symmetries)	Yvonne Geyer (Ambitwistor Strings for Four Dimensions)	Benjamin Basso (Amplitudes as a Flux Tube Gas:Scalars)	Andrew Hodges (Twistor Diagrams, Ancient and Modern)
13:00	LUNCH	LUNCH	LUNCH	LUNCH
14:30	Nathan Berkovits (Twistor Origin of the Superstring)	Francis Brown (Coaction Structure on Amplitudes, and a Principle of Small Graphs)	Yu-tin Huang (Update on 3d)	Roger Penrose (Palatial Twistor Theory: A New Approach to Non-Perturbative Twistor Theory)
15:30	Oliver Schlotterer (The Anatomy of Scattering Amplitudes and Pure Spinor Superspace)	James Drummond (tba)	Jaroslav Trnka (New Structures in Non-Planar Yang-Mills and Gravity Amplitudes)	CLOSE
16:30	Coffee (Mezzanine)	Coffee (Mezzanine)	Coffee (Mezzanine)	
17:00	Michael Green (Perturbative & Non-Perturbative Properties of String Amplitudes)	Pierre Vanhove (Feynman Intgrals, Elliptic Polylogarithms & Mixed Hodge Structures)	Nima Arkani-Hamed (The Amplituhedron, Scattering Amplitudes, and the Wavefunction of the Universe)	
18:00	RECEPTION (1 st floor Common Room, AWB)			
	19:15 Cafeteria Dinner (St Peter's College)	19:00 CONFERENCE DINNER (St Peter's College)		