

Amplitudes 2024

Time (ET)	Monday, Jun 10	Tuesday, Jun 11	Wednesday, Jun 12	Thursday, Jun 13	Friday, Jun 14		
7:30 - 8:00 AM							
8:00 - 8:45	Registration	Rider breakfast and buses					
8:45 - 9:00	Welcome: David Nirenberg						
	Chair: Bourjaily	Chair: Del Duca	Chair: Trnka	Chair: Damgaard	Chair: Krasnov		
9:00 - 9:45	Lorenzo Tancredi	Ian Moutt	Bernd Sturmfels	Zvi Bern	Kevin Costello		
9:45 - 10:15	Samuel Abreu	George Sterman	Lauren Williams	Stefano De Angelis	Mina Himwich		
10:15 - 10:45	Federica Devoto	Natalia Toro	Carolina Figueiredo	Lucile Cangemi	Diksha Jain		
10:45 - 11:30	————— <i>coffee break</i> —————						
	Chair: Mogull	Chair: Peraro	Chair: Johansson	Chair: Heissenberg	Chair: Dixon		
11:30 - 12:00 PM	Renata Kallosh	Yael Shadmi	Hayden Lee	David Kosower	Yifei He		
12:00 - 12:30	Zahra Zahraee	Xiaofeng Xu	Aidan Herderschee	Mikhail Ivanov	Mathieu Giroux		
12:30 - 1:00	Christian Copetti	Franziska Porkert	Mariana Carrillo González	Alessandra Buonanno	Juan Maldacena		
1:00 - 2:15	————— <i>lunch break</i> (Simons Hall) —————						
	Chair: Gardi	Chair: Salvatori	Chair: Roiban	Chair: Parra-Martinez			
2:15 - 3:00	François Charton	Iain Stewart	Stephen Sharpe	Oliver Schlotterer			
3:00 - 3:30	Chiara Signorile-Signorile	Andrew McLeod	Marcus Spradlin	Tobias Hansen			
3:30 - 4:00	————— <i>tea break</i> —————						
4:00 - 4:15	Chairs: Hannesdottir & Mizera						
4:15 - 4:30	Group photo	Chair: Spiering	Women+ in Amplitudes (Rubenstein Commons)				
4:30 - 5:00	Welcome Reception (Rubenstein Commons)	Shruti Paranjape	Gong show				
5:00 - 5:30		Johannes Henn					
5:30 - 6:00		AMIAS Reception (Rubenstein Commons)					
6:00 - 6:30							
6:30 - 7:30	Rider buses		Conference dinner (Simons Hall)	Rider buses			
7:30 - 8:30	Rider dinner		Panel discussion: Nima Arkani-Hamed, Lance Dixon, Graham Farmelo, Rachel Rosen	Rider dinner			
	Rider bus						

First name	Last name	Talk title
Samuel	Abreu	Two-loop integrals for the production of two heavy bosons and a jet at the LHC
Zvi	Bern	Amplitudes and gravitational waves (Review talk)
Alessandra	Buonanno	Gravitational-Wave Astronomy: Post-Minkowskian Theory Meets the Effective-One-Body Approach
Lucile	Cangemi	From Quantum to Classical Scattering of Kerr Black Holes
Mariana	Carrillo González	Self-dual cosmology and the color-kinematics duality
Francois	Charton	Machine learning the bootstrapped amplitudes of three gluon form factors (Review talk)
Christian	Copetti	Categorical Symmetries and 1+1d Scattering Amplitudes
Kevin	Costello	Bootstrapping amplitudes using chiral algebras (Review talk)
Stefano	De Angelis	From Scattering Amplitudes to General Relativity: the Gravitational Waveform
Federica	Devoto	Five parton scattering in the high energy limit
Carolina	Figueiredo	Real World Amplitudes from Curves on Surfaces
Mathieu	Giroux	Recursive Landau analysis

Tobias	Hansen	AdS string amplitudes and their high energy limit	
Yifei	He	Gauge Theory Bootstrap: Pion amplitudes and low energy parameters	
Johannes	Henn	Positivity properties of scattering amplitudes	
Aidan	Herderschee	Summation-by-Parts, Master Functions and Difference Equations for Loop Witten Diagrams	
Mina	Himwich	$w(1+\infty)$ Symmetry in 4D Gravitational Scattering	
Mikhail	Ivanov	Loops in the Sky: Recent Applications of Amplitude Methods in Galaxy Clustering and Gravitational Wave Physics	
Diksha	Jain	The S-matrix and boundary correlators in flat space	
Renata	Kallosh	Enhanced Duality in 4D Supergravity	
David	Kosower	Finite Feynman Integrals	
Hayden	Lee	Kinematic Flow and the Emergence of Time	
Juan	Maldacena	Three point amplitudes from the Matrix model approach to eleven dimensional M-theory	
Andrew	McLeod	Minimal Cuts and Genealogical Constraints on Feynman Integrals	
Ian	Moult	Conformal Colliders meet the LHC	(Review talk)
Shruti	Paranjape	Hidden Zeros and the Double Copy	
Franziska	Porkert	The 5-mass kite integral family on two tori	
Oliver	Schlotterer	Recent developments in string amplitudes	(Review talk)
Yael	Shadmi	Amplitudes for SM EFTs	
Stephen	Sharpe	Multiparticle scattering amplitudes from lattice QCD	(Review talk)
Chiara	Signorile-Signorile	The dark side of precision calculations: subtractions	
Marcus	Spradlin	Progress and Problems in N=4 SYM Theory	
George	Sterman	Momentum-space locality in factorized amplitudes and cross sections	
Iain	Stewart	Soft Collinear Effective Theory & Collider Physics	(Review talk)
Bernd	Sturmfels	Minimal kinematics	(Review talk)
Lorenzo	Tancredi	Scattering Amplitudes and Feynman Integrals for collider physics	(Review talk)
Natalia	Toro	Massless interactions beyond the helicity lamppost: Making sense of continuous spin	
Lauren	Williams	The magic number conjecture for the m=2 amplituhedron and Parke-Taylor identities	
Xiaofeng	Xu	Symbol letters of Feynman integrals from Gram determinants	
Zahra	Zahraee	Bootstrapping Planar N=4 SYM at Finite Coupling	

(as of 7/6/24)