YOUNGST@RS - Loop-the-Loop: Feynman Calculus and its Applications to Gravity and Particle Physics

Thursday 14 November 2024

Scattering Amplitudes in Particle Physics: Amplitudes & Elliptics (10:30 - 12:00)

time [id] title	presenter
10:30 [21] Two-loop massive corrections for diphoton production in gluon fusion	CORO, Federico
11:00 [22] ε-form for Feynman integrals with Calabi-Yau geometry	MAGGIO, Sara
11:30 [23] Towards two-loop QCD corrections to pp → tfj	BRANCACCIO, Colomba

Scattering Amplitudes in Particle Physics: Differential Equations (13:30 - 15:00)

time	[id] title	presenter
	[24] A first computation of three-loop master integrals for the production of two off-shell vector bosons with different masses	CANKO, Dhimiter
14:00	[25] Computing form factors in N=4 sYM for Higgs plus jet(s) production	LIM, Jungwon
14:30	[26] Tackling Apparent Singularities in Calabi-Yau Feynman Integrals	PÖGEL, Sebastian

Scattering Amplitudes in Particle Physics: Infrared Subtraction (15:30 - 17:00)

time	[id] title	presenter	
	[27] Subtracting IR singularities with a fully general analytic algorithm in massless QCD	BERTOLOTTI, Gloria	
	[28] Numerical Integration of the \$N_f\$ Virtual Corrections to Triboson Production at NNLO	VICINI, Matilde	
16:30	[29] Nested soft-collinear infrared subtraction	DEVOTO, Federica	