

Young Scientists Meeting of the CRC TRR 257

Wednesday, September 25, 2024

Young Scientist Talks: Session 1 - EBI Hörsaal (1:00 PM - 2:15 PM)

-Conveners: Marius Höfer

time	[id] title	presenter
1:00 PM	[22] Satisfiability modulo theories solvers and particle physics	CHARGEISHVILI, Bakar
1:25 PM	[5] AsyInt for massive two-loop four-point integrals at high energies	ZHANG, Hantian
1:50 PM	[8] Emulation of cosmic-ray antideuteron fluxes from dark matter annihilation	RATHMANN, Lena

Young Scientist Talks: Session 2 - EBI Hörsaal (4:10 PM - 5:00 PM)

-Conveners: Hantian Zhang

time	[id] title	presenter
4:10 PM	[4] Higgs boson production in weak-boson fusion and $H \rightarrow b\bar{b}$ decay at NNLO with realistic event selection criteria	NOVIKOV, Ivan
4:35 PM	[2] Anomalous Couplings in Higgs plus Jet Production	CAMPILLO, Benjamin

Thursday, September 26, 2024

Young Scientist Talks: Session 3 - EBI Hörsaal (9:30 AM - 10:45 AM)

-Conveners: Ivan Novikov

time	[id] title	presenter
9:30 AM	[6] Quark-Mass Effects in Higgs Production	SCHELLENBERGER, Tom
9:55 AM	[9] Towards HH at NNLO QCD: the α_s^2 contribution	VITTI, Marco
10:20 AM	[18] Yukawa- and Higgs self-coupling corrections to di-Higgs production	VESTNER, Augustin

Young Scientist Talks: Session 4 - EBI Hörsaal (11:30 AM - 12:45 PM)

-Conveners: Marco Vitti

time	[id] title	presenter
11:30 AM	[21] Heavy sterile Neutrinos from B decays and new QCD corrections to their semi-hadronic decay rates	Mr KRETZ, Tim
11:55 AM	[20] Nonleptonic B-decays at NNLO	EGNER, Manuel
12:20 PM	[17] A look into the $f_0(980)$ through the lens of rare B meson decays	DEL PALACIO LIROLA, Jaime

Friday, September 27, 2024

Young Scientist Talks: Session 5 - EBI Hörsaal (9:30 AM - 10:45 AM)

-Conveners: Marco Bonetti

time	[id] title	presenter
9:30 AM	[13] N-jettiness soft function at NNLO in QCD	AGARWAL, Prem
9:55 AM	[3] Four top final states - fixed order NLO vs. NLO+PS	ALSAIRAFI, Manal
10:20 AM	[16] Heavy-to-light form factors to three loops	MÜLLER, Jakob

Young Scientist Talks: Session 6 - EBI Hörsaal (11:30 AM - 12:45 PM)

-Conveners: Benedetta Belfatto

time	[id] title	presenter
11:30 AM	[7] The gradient flow extended to the Standard Model	BORGULAT, Janosch
11:55 AM	[15] Choosing the Right Features for Anomaly Detection	HEIN, Marie
12:20 PM	[14] Lorentz-Equivariant Geometric Algebra Transformers for High-Energy Physics	SPINNER, Jonas

Young Scientist Talks: Session 7 - EBI Hörsaal (2:15 PM - 3:30 PM)

-Conveners: Surabhi Tiwari

time	[id] title	presenter
2:15 PM	[23] Higher-order QED×QCD Corrections To Semi-leptonic Decays	MORETTI, Francesco
2:40 PM	[19] Can we predict $B \rightarrow K a$ decay rate without specifying UV physics?	GAO, Xiyuan
3:05 PM	[1] NNLO QCD corrections to Delta Gamma in the B anti-B system	REECK, Pascal