

Young Scientists Meeting of the CRC TRR 257

Monday, October 16, 2023

Young Scientists Talks - Seminarzentrum (1:45 PM - 3:45 PM)

-Conveners: Maria Laura Piscopo

time	[id] title	presenter
1:45 PM	[23] Using Gradient Flow to Renormalise Matrix Elements for Meson Mixing and Lifetimes	BLACK, Matthew
2:15 PM	[24] Progress in N3LO zero-jettiness soft functions calculation	PIKELNER, Andrey
2:45 PM	[14] Higgs Production With Full Quark Mass Dependence	SCHELLENBERGER, Tom
3:15 PM	[26] Dimension-6 HQET Sum Rules for Beyond the Standard Model	WÜTHRICH, Zachary

Tuesday, October 17, 2023

Young Scientists Talks - Seminarzentrum (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[12] Inclusive $B \rightarrow X_c \ell \bar{\nu}$ to order $1/m^5$ and the precision determination of V_{cb}	Mr MILUTIN, Ilija
9:30 AM	[1] NLO electroweak corrections to $gg \rightarrow HH$	ZHANG, Hantian
10:00 AM	[8] Non-factorizable corrections to Higgs production in Vector Boson Fusion	Dr LONG, Mingming

Young Scientists Talks - Seminarzentrum (11:00 AM - 12:30 PM)

-Conveners: Gilberto Tetlalmatzi-Xolocotzi

time	[id] title	presenter
11:00 AM	[5] Top-quark pair production with two isolated photons at NLO QCD	STREMMER, Daniel
11:30 AM	[19] Linear power corrections to hadron collider processes with top-quarks	MAKAROV, Sergei
12:00 PM	[10] Four top final states with NLO accuracy in perturbative QCD: 4 lepton decay channel	Mr DIMITRAKOPOULOS, Nikolaos

Young Scientists Talks - Seminarzentrum (3:00 PM - 4:30 PM)

-Conveners: Vladyslav Shtabovenko

time	[id] title	presenter
3:00 PM	[3] Subleading effects in soft-gluon emission at one-loop in QCD	ESCHMENT, Felix
3:30 PM	[6] Numerical Multi-Loop Calculations with pySecDec	OLSSON, Anton
4:00 PM	[9] NLO QCD predictions for off-shell $t\bar{t}W$ production in association with a light jet at the LHC	REINARTZ, Minos

Young Scientists Talks - Seminarzentrum (5:00 PM - 6:00 PM)

-Conveners: Magnus Schaaf

time	[id] title	presenter
5:00 PM	[21] Implications of the B-Mesogenesis on the Phenomenological Observables of B Mesons	MOHAMED, Ali
5:30 PM	[2] Phenomenological Aspects of Flavoured Majorana Dark Matter	RATHMANN, Lena

Wednesday, October 18, 2023

Young Scientists Talks - Seminarzentrum (9:00 AM - 10:00 AM)

-Conveners: Oliver Witzel

time	[id] title	presenter
9:00 AM	[4] Top-quark loops for precision Higgs physics	VITTI, Marco
9:30 AM	[18] Higgsstrahlung and Higgs production beyond the Standard Model	KLEIN, Sven Yannick

Young Scientists Talks - Seminarzentrum (11:00 AM - 12:30 PM)

-Conveners: Felix Wilsch

time	[id] title	presenter
11:00 AM	[25] Rare $B_s \rightarrow l^+ l^-$ decays in a two-Higgs-doublet model with Three Spurions	LANG, Martin
11:30 AM	[17] Looking for Massive ALPs from SN1987A with Cherenkov Detectors	Mr KRETZ, Tim
12:00 PM	[13] Axion-like particle reconstruction and experimental design with simulation-based inference	Dr MORANDINI, Alessandro

Young Scientists Talks - Seminarzentrum (1:30 PM - 3:30 PM)

-Conveners: Alessandro Morandini

time	[id] title	presenter
1:30 PM	[11] Back to the Roots: Tree-Based Algorithms for Weakly Supervised Anomaly Detection	HEIN, Marie
2:00 PM	[22] Anomalies, Representations and Self-Supervision	FAVARO, Luigi
2:30 PM	[20] Diagrammatic resummation of double logarithms in $B_c \rightarrow \eta_c$ form factors	HORSTMANN, Dennis
3:00 PM	[16] Precision tests of the Standard Model in global SMEFT analyses: Fitting with a CLEW	TONG, Tom