

Session Program

Oct 5 - 9, 2026

High Precision for Hard Processes (HP2 2026)

Track 2 - Pheno Top

KIT, NTI Hörsaal, building 30.10
Engesserstr. 5, 76131 Karlsruhe

Thu, October 8

11:15 AM

Track 2 - Pheno Top: Parallel Session V

Session | **Location:** KIT, Seminar room 3.1, building 30.23, Wolfgang-Gaede-Straße 1 | **Convener:** Vasily Sotnikov

11:15 – 11:40 AM

Two-loop QCD amplitudes for leading-colour $t\bar{t}W$ production at hadron colliders

Speaker

Mattia Pozzoli

11:40 AM – 12:05 PM

NNLO QCD Predictions for Top-Quark Pair Production in Association with a Jet at the LHC

Speaker

Heribertus Bayu Hartanto

12:05 – 12:30 PM

Two-loop Feynman integrals for $t\bar{t}\gamma$ hadron production in the leading colour approximation

Speaker

Colomba Brancaccio

12:30 – 12:55 PM

Two-loop QCD amplitudes for $q\bar{q} \rightarrow t\bar{t}H$ production in the generalised leading-colour limit

Speaker

Dr Xiang Chen

12:55 PM

4:15 PM

Track 2 - Pheno Top: Parallel Session VI

Session | **Location:** KIT, Seminar room 3.1, building 23.23, Wolfgang-Gaede-Straße 1 | **Convener:** Stefano Pozzorini

4:15 – 4:40 PM

Hadron Fragmentation at Past, Present and Future Colliders

Speaker

Francesco Merlotti

4:40 – 5:05 PM

A first extraction of gluon TMDs at N3LL from Higgs data

Speaker

Giuseppe Bozzi

5:05 – 5:30 PM

Stable NNLO QCD predictions for quarkonium production and decay

5:30 – 5:55 PM

Amplitude Factorization Prescription for Exclusive Processes and NNLO Application to Quarkonium $\psi(3\gamma)$ Decay

Speaker

Jianxiong Wang

5:55 – 6:20 PM

DIS-secting the universe with high-energy neutrinos

6:20 PM

Speaker
Lorenzo Guerra