

Session Program

28-30 Sept 2022

RTG Fall Workshop 2022

Talks by Doctoral Researchers

Wednesday 28 September

17:00

Talks by Doctoral Researchers: Session I

Session | **Location:** Hotel Vier Jahreszeiten, Schluchsee

17:00–17:30

Integrating out heavy fields in the path integral using the background-field method

Speaker

Sebastian Schuhmacher

17:30–18:00

Search for $A \rightarrow ZH \rightarrow l\bar{l}\nu$ at $\sqrt{s} = 13$ TeV with the ATLAS detector

Speaker

Roman Kuesters

18:00

Thursday 29 September

10:45

Talks by Doctoral Researchers: Session II

Session | **Location:** Hotel Vier Jahreszeiten, Schluchsee

10:45–11:15

Search for new physics in the $t\bar{t}$ +MET final state

Speaker

Simran Sunil Gurdasani

11:15–11:45

Search for $t\bar{t}H$ with $H \rightarrow b\bar{b}$ and developing flavour tagging for Run 3

Speaker

Alexander Froch

11:45

Friday 30 September

14:00

Talks by Doctoral Researchers: Session III

Session | **Location:** Hotel Vier Jahreszeiten, Schluchsee

14:00–14:30

Real Electroweak Corrections and the Dipole Subtraction Formalism

Speakers

Mr Max Reyer, Max Reyer

14:30–15:00

Study of polarized same-sign WW production with the ATLAS detector

Speaker

Mr Prasham Jain

15:00