

Session Program

28-30 Nov 2022

**The 19th Workshop of the LHC Higgs Working
Group**

WG3 BSM Higgs Parallel

CERN, 30/7-018 - Kjell Johnsen Auditorium

Monday 28 November

09:00

WG3 BSM Higgs Parallel: Morning 1

Session | **Location:** CERN, 40/S2-A01 - Salle Anderson | **Conveners:** Abdollah Mohammadi, Jana Schaarschmidt

09:00–09:20 **Searches for $X \rightarrow hY$ in the $bb \gamma \gamma$ state (14'+6')**

Speaker

Dr Lata Panwar

09:20–09:40

Update on from the Forum on the Interpretation of the LHC Results for BSM studies for extended scalar sectors (14'+6')

Speaker

Lukas Alexander Heinrich

09:40–10:00

Semi-dark Higgs decays: sweeping the Higgs neutrino floor (14'+6')

Speaker

Jose Manuel Cano

10:00–10:20

Searches for Higgs decays to photon + meson at ATLAS (14'+6')

Speaker

Robert James Ward

10:30

11:00

WG3 BSM Higgs Parallel: Morning 2

Session | **Location:** CERN, 40/S2-A01 - Salle Anderson | **Conveners:** Jana Schaarschmidt, Abdollah Mohammadi

11:00–11:20

Interference Effects in BSM Processes with a Generalized Narrow-Width Approximation (14'+6')

Speaker

Georg Ralf Weiglein

11:20–11:40

SUSY-QCD Corrections to A Production in the MSSM (14'+6')

Speaker

Lukas Fritz

11:40–11:55

Results from $h \rightarrow aa \rightarrow 2\mu 2b$ final state

Speaker

Elham Khazaie

11:55–12:10

Results from $h \rightarrow aa \rightarrow 4\gamma$ analyses

Speaker

Badder Marzocchi

12:10–12:30

Higgs Mass Calculation in FeynHiggs (14'+6')

Speaker

Henning Bahl

12:30