

**GRIEG, Early Universe,
UW+UiB**

Report of Contributions

Contribution ID: 1

Type: **not specified**

group photo

Wednesday 14 December 2022 14:10 (5 minutes)

Presenters: KOUTROULIS, Fotis (IFT, Warsaw University); LARA PEREZ, Iñaki; LARA PEREZ, Iñaki (Warsaw University)

Contribution ID: 2

Type: **not specified**

ATLAS plans for CP measurement in Higgs-> tau tau

Presenters: AAKVAAG, Erlend (University of Bergen (NO)); STUGU, Bjarne (University of Bergen (NO)); STUGU, Bjarne (University of Bergen (NO))

Contribution ID: 3

Type: **not specified**

Task 1:Machine learning assisted mono-jet anlysis in search for Dark Matter and new electricaly neutral stable particles and its theoretical interpretation.

Wednesday 14 December 2022 14:20 (20 minutes)

Presenters: SAKURAI, Kazuki (University of Warsaw); BUANES, Trygve (University of Bergen (NO)); BUANES, Trygve (Department of Physics and Technology)

Contribution ID: 4

Type: **not specified**

task 2: Discriminating theories by joint mono-jet and mono-Higgs analysis.

Wednesday 14 December 2022 14:40 (20 minutes)

Presenters: ROLBIECKI, Krzysztof (University of Warsaw); FOMIN, Nikolai (University of Bergen (NO))

Contribution ID: 5

Type: **not specified**

task 3: Constraining the mechanism of the Electroweak Phase Transition by di-Higgs boson production, $p p \rightarrow h h$.

Wednesday 14 December 2022 15:00 (20 minutes)

Presenters: OLECHOWSKI, Marek; Prof. LIPNIACKA, Anna (University of Bergen (NO)); ADHIKARY, Amit (University of Warsaw); ADHIKARY, Amit (University of Warsaw, Poland)

Contribution ID: 6

Type: **not specified**

task 4: Probing new sources of CP violation in the Higgs-fermion sector.

Wednesday 14 December 2022 15:20 (20 minutes)

Presenters: STUGU, Bjarne (University of Bergen (NO)); STUGU, Bjarne (University of Bergen (NO)); SAHOO, Dibyakrupa; ROSIEK, Janusz Andrzej (University of Warsaw (PL))

Contribution ID: 7

Type: **not specified**

task 5:nvestigating the sphaleron and mini-black hole production at the LHC and its dependence on the mechanism of EWPT.

Wednesday 14 December 2022 15:40 (20 minutes)

Presenters: BUANES, Trygve (University of Bergen (NO)); Prof. LIPNIACKA, Anna (University of Bergen (NO)); GREFSRUD, Aurora Singstad (University of Bergen (NO)); BUANES, Trygve (Department of Physics and Technology)