

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

Report of Contributions

Contribution ID: **1**

Type: **not specified**

group photo

Wednesday 16 November 2022 14:10 (5 minutes)

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

Contribution ID: 2

Type: **not specified**

Task 4: CP violation in Higgs-> fermion sector

Wednesday 16 November 2022 14:15 (20 minutes)

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

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 16 November 2022 14:35 (20 minutes)

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

Contribution ID: 4

Type: **not specified**

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

Wednesday 16 November 2022 14:55 (20 minutes)

Presenters: ADHIKARY, Amit (University of Warsaw, Poland); ADHIKARY, Amit (University of Warsaw); 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 16 November 2022 15:15 (20 minutes)

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

Contribution ID: 6

Type: **not specified**

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

Presenters: STUGU, Bjarne (University of Bergen (NO)); STUGU, Bjarne (University of Bergen (NO)); 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 16 November 2022 15:35 (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)