

**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; LARA PEREZ, Iñaki (Warsaw University)

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 (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, 16 November 2022 14:55 (20 minutes)*

**Presenters:** ADHIKARY, Amit (University of Warsaw); ADHIKARY, Amit (University of Warsaw, Poland); 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)