# 2nd CERN Baltic Conference (CBC 2022)

# Tuesday, 11 October 2022

**High Energy Physics: Experiment - A101 (10:10 - 13:05)**

| time | [id] title | presenter |
|------|-----------|-----------|
| 10:10 | [34] Higgs pair production at CMS | CARVALHO ANTUNES DE OLIVEIRA, Alexandra |
| 10:30 | [35] Search for Higgs boson pair production in WWWW, WWtautau, and tautautautau decay modes based on proton-proton collision data recorded by the CMS detector in LHC Run 2 | EHATAHT, Karl |
| 10:50 | [36] Prospects for Di-Higgs boson searches with multilepton final states in the qqHH production mode | SEEBA, Norman |
| 11:10 | [37] Top quark physics results from CMS | SEIDEL, Markus |
| 11:30 | Coffee Break | |
| 11:50 | [38] ttbar simulation and jet energy studies (towards a measurement of the ttbar mass difference at CMS) | POTREBKO, Andris |
| 12:10 | [39] Searching for Dark Matter Subhalos in Astronomical Data using Deep Learning | PÕDER, Sven |
| 12:30 | [40] Evolutionary algorithms for hyperparameter optimization in machine learning for application in high energy physics | TANI, Laurits |
| 12:50 | [82] Baltic CMS TIER II HPC grid – a scaleable federated cloud for CERN's CMS computational needs | Mr IRBE, Janis |