



Contribution ID: 871

Type: **Invited Speaker / Conférencier invité**

Search for new SM Higgs decays and production mechanisms, and BSM Higgs production

Thursday, June 18, 2015 9:15 AM (30 minutes)

In the presentation, latest results in search for Higgs boson decays and production mechanisms in the SM as well as BSM context will be presented. The focus will be on rare decays which were not directly observable during the Run1 data taking period (integrated luminosity of approximately 25 fb⁻¹), these will be then compared with expectations for the full High Luminosity LHC Upgrade assumptions of total integrated luminosity of 3000 fb⁻¹. The upgrade potential for the scenarios searching for physics beyond Standard Model will be discussed as well.

Primary author: POLIFKA, Richard (University of Toronto (CA))

Presenter: POLIFKA, Richard (University of Toronto (CA))

Session Classification: R1-4 Energy frontier: Standard Model and Higgs Boson II (PPD) / Frontière d'énergie: modèle standard et boson de Higgs II (PPD)

Track Classification: Particle Physics / Physique des particules (PPD)