

Session Program

1 March 2021 to 13 July 2021

Course on Physics at the LHC

Final Evaluation

LIP, Conference Room
Av. Prof. Gama Pinto 2 1649-003 Lisboa Portugal

Tuesday 15 June

09:00

Final Evaluation: Final evaluation - I

Session | **Location:** LIP, Conference Room, Av. Prof. Gama Pinto 2 1649-003 Lisboa Portugal

09:00–09:40

Unveiling the strong interaction among hadrons at the LHC

Speaker

Phinifolo Cambalame

09:40–10:20

Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at 13 TeV (postponed)

Speaker

Diogo Ribeiro

10:20–11:00

Test of the universality of tau and muon lepton couplings in W-boson decays from $t\bar{t}$ events with the ATLAS detector

Speaker

Beatriz Pereira

12:00

Thursday 17 June

13:00

Final Evaluation: Final evaluation - II

Session | **Location:** LIP, Conference Room, Av. Prof. Gama Pinto 2 1649-003 Lisboa Portugal

13:00–13:40

Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at 13 TeV

Speaker

Anton Kunčinas

13:40–14:20

Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at 13 TeV

Speaker

Sebastião Antunes

14:20–15:00

Measurement of the $pp \rightarrow WZ$ inclusive and differential cross sections, polarization angles and search for anomalous gauge couplings at 13 TeV

Speaker

Ricardo Barrué

16:00

Tuesday 13 July

14:00

Final Evaluation: Final evaluation - III

Session | **Location:** LIP, Conference Room, Av. Prof. Gama Pinto 2 1649-003 Lisboa Portugal

14:00-14:45

Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at 13 TeV

Speaker

Diogo Ribeiro

14:45-15:30

A precision measurement of the W boson decay branching fractions in pp collisions at 13 TeV

Speaker

João Aparício Pereira Magalhães Alves

16:00