

Session Program

25 April 2022 to 7 May 2022



Serbian High-School Students Internship Programme 2022

Closing and Final Presentation

CERN, 500/1-001 - Main Auditorium

Friday 6 May

13:00

Closing and Final Presentation

Session | **Location:** CERN, 500/1-001 - Main Auditorium

13:00-13:05 Introduction

Speaker

Margherita Boselli

13:05-13:20

Discovering the Higgs boson in $H\gamma\gamma$ and HZZ decay channels using the ATLAS open data

Speakers

Gorana Rudan , Luka Carevic , Natalija Nikolic

13:20-13:35

Discovering the Higgs boson in $H\gamma\gamma$ and HZZ decay channels using the ATLAS open data

Speakers

Marija Petrovic, Petar Rusov, Rastko Kalaver

13:35-13:50

Finding the Z peak in Drell Yan events with ATLAS

Speakers

Filip Pantic, Vladimir Ignjatijevic

14:00-14:30

Official speeches of Serbian and CERN representatives

14:30-15:00

Coffee break at Pas Perdue Corridor

15:00-15:15

Exploring CP symmetry in the interactions of the Higgs boson with top quark at the ATLAS experiment

Speakers

Ana Manojlovic, Marko Matovic, Natalija Randelovic

15:15-15:30

Organisation and reporting of the CERN's NMS Summer Student Programme

Speakers

Anisia Savic, Emilija Nikolic

15:30-15:45

Discovering the importance of Dew Point sensor measurements in the ECAL Safety System

Speakers

Luka Djurica , Milena Stanicic, Tamara Topalov

15:45-16:00

Short break

16:00-16:15

Training and optimisation of ML algorithms for application in CMS experiment**Speakers**

Filip Bajraktari, Milos Puric, Una Ignjatović

16:15-16:30

Electronics data-acquisition systems for the future High Granularity Calorimeter of CMS.**Speakers**

Andreja Maksimovic, Arsen Mikovic, Marija Zukovski

16:30-16:45

Cosmic muon detection and data acquisition softwares**Speakers**

Mihajlo Petkovic, Milos Herceg

20:30