



El Abassi Abderrazaq

Ph.D. student

About Me

Hello! I'm El Abassi Abderrazaq, Ph.D. student in Experimental Particle Physics. and my main field is Neutrinos Physics

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Education

Ph.D. student from Ibn-Tofail University, Faculty of Science Kenitra

2022- present

Morocco is officially joined HyperKamiokande collaboration, My work will focus on calibration of Energy scale using DT neutron generator, and proton decay search in $\pi^0 e^+$ channel

MS.C in Mathematical Physics from Mohammed V University, Faculty of Sciences Rabat

2018-2020

I gained a sufficient background in Theoretical Particle Physics, from QFT to Standard Model to SUSY and String Theory. and then I joined ATLAS collaboration, learning about experimental background and analysis tools. and I finished my thesis on Dark Matter search, titled "Statistical Combination studies in search for invisible Higgs decays in Vector Boson Fusion with ATLAS detector"

Bachelor on Physics and Matter from Moulay ismail University, Faculty of Sciences Meknes

2015 - 2018

I completed my undergrad studies, and I gained sufficient background on Classical Physics and Quantum Mechanics

Work Experience

Statistical Combinations of invisible Higgs Decays : remotly, because of covid-19

Apr, 2020 - Oct, 2020

During my Master project, I joined the dark matter group of ATLAS experiment. my thesis includes my contribution in statistical combination of invisibe higgs decays. where we combine the results of dark matter search of multiple topologies of Higgs decays, like VBF and ttbarH, Monojet. as a messing energy I dveoloped a good expereince in different levels, like collaboration with a group and my skills on combining different channels decay using a given tools like root,and gained a lot of knowledge in statisitcal inference applications.

Skills

C++ and Python



Root and Geant4



Machine Learning and Deep Learning



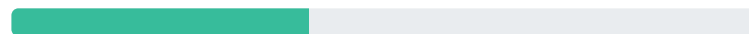
HTML and CSS



JavaScript and React



Node and express, MonogoDB, Mongoose, SQL



Certificates



European School of Instrumentation
in Particle & Astroparticle Physics

ESIPAP course 2

Feb 15- Mar 12

The European School in instrumentation for Particle and Asytoparticle Physics Course 2, held virtually between 15 Februray and 12 March. General Lectures and Tutorials in Detector Technologies and Software Computing and Data handling, Plus Tutored Final Project in Medical Physics applications



Tri-Institute School in Elementary Particles

Jun 14-25

TRISEP 2021 is hosted by SNOLAB and held virtually from June 14 to 25. Also hosted in turn by TRIUMF, the Perimeter Institute, and SNOLAB. The School consisted of 30 hours of lectures, at least six hours of group study, and four hours of student presentations



African School of Fundamental Physics and Applications

Jul 19-30

The Activities of the 6th edition of the biennial African School of Fundamental Physics and Applications July 19-30 2021, held virtually and consisted of Online Lectures, Tutorials and workshops. main topics : Nuclear and Particle Physics Astrophysics and Cosmology Accelerators, Radiation and Medical Physics Materials Physics, Nanoscience Biophysics, Fluid and Plasma Physics, Atomic and Molecular Physics Light Sources, Optics and Photonics Physics Education, the internet of things, Quantum Information Renewable Energies and Energy Efficiency Statistical analysis, Heavy Ion Physics