

Interview for PhD thesis with Prof. Farida Fassi

Ismail EZZAKI

10 septembre 2021

About me

About me

- Full name : Ismail EZZAKI
- Age : 24 years old
- Country : Morocco
- I've always been interested in discovering how things work → physics
- Childhood dream (age \leq 12 yrs) : Win a Nobel prize in physics
- Realistic dream (age $>$ 12 yrs) : Be an academic researcher in physics

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Academic background

- 2014 : High School in Experimental sciences
- 2018 : B.Sc. in Fundamental Physics
- 2020 : M.Sc. in High energy physics and computational physics

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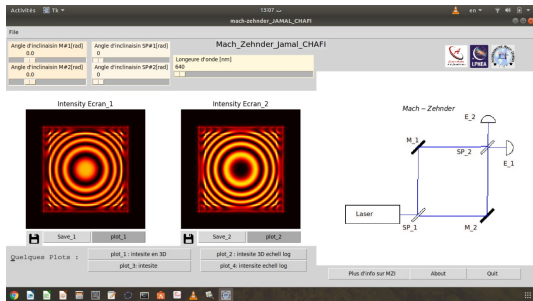
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Skills

- theoretical knowledge in particle physics
- Programming (Python & C++ & Javascript...)
- DevOps : Docker , Git , Testing and Debugging , CMake , CI/CD
- Soft Skills : Problem solving and logical thinking
- My current research interest is : **data analysis in particle physics & computational physics**

Some of my computational Projects

- **Simulation of a Mach Zehnder interferometer as a coronagraph :**
simulate image results for a telescope that use a Mach Zehnder interferometer In collaboration with a master student in astrophysics
- **Higgs ML :** signal / background separation using new machinee and deep learning techniques (RNN and Xgboost instead of BDT)
- : (please take a look at my  profile)



Finally...



Thanks For Your Attention!!