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CP3-ORIGINS

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

DENMARK

Letter of Motivation

Dear Prof. C. Pica

I am writing this letter to express my strong interest in the "Ph.D. exploring strongly coupled extensions of the Standard Model."

I graduated last year with a Master's degree in "high energy physics and computational physics" from Cadi Ayyad University in Morocco.

I feel comfortable processing several challenging things at once. This ability helped me to be successful in my studies (2nd in my master's class) and acquire extra-curricular knowledge in the computer science field (about 5 years of experience with programming),

Since my childhood, I have always been interested in discovering how things work. So I chose to study physics, like many children. I always dreamed of winning a Nobel Prize in physics, but as I grew up, I switched to a more realistic dream: to become a university researcher.

My interest in programming started about five years ago when I had my first contact with computer coding in school by creating a small website. From there, I gained extracurricular programming skills in C++ and Python, and I also gained skills in data analysis and machine learning and lately in deep learning areas.

My correct research interest is in the area of computational physics, and I worked on many projects related to it, You can find some information about them in my CV.

This thesis is an exact match to my research interests and the requirements for this Ph.D. thesis closely match my background and skills: quantum physics , computational physics , and software development.

In addition, the new computational challenges presented by this thesis, and thinking of innovative ways to address them, are great motivations for me. Pursuing my Ph.D. with experts and researching the latest topics in physics is my childhood dream.

I believe that my diligence, practical research experience, organizational skills, great enthusiasm, and interest in computational physics all make me an ideal candidate for this Ph.D.

I will gladly answer questions you may have and hope to hear from you soon.

Respectfully yours,