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To whom it may concern:

I had the pleasure to meet Filippo Fornetti as a student in “Subatomic Physics”, taught by me, in Perugia, three years ago, at undergraduate level (third year of the degree in Physics). I had immediately the impression that Filippo is a very hard worker and a bright student, very interested in Nuclear and Subnuclear Physics studies. Short after, I directed his bachelor Thesis, on dibaryon exotic states. He demonstrated excellent computational skills, a sincere interest for the subject and a surprising independence in the work. He got the highest score (110/110 cum laude). Later on, he started to course the Master programme, with an excellent score, oriented towards Theoretical Physics studies. One year later, I again taught him a fundamental course, “Many-Body Theory”. Then, he started to work with me in his master thesis (“Laurea Magistrale”), performing an innovative light-front calculation of the EMC effect for the alpha particle, very interesting also in view of the EIC operation. I have been impressed by his strong will to improve his knowledge and his extremely serious attitude towards research. He has got again, in September 2022, the highest final score (110/100 cum laude). The results of his investigation will be sent for publication soon. He is already rather independent and able to organize his work and his scientific relations within a group. In November 2022, he started the Ph.D. Program in Perugia, working with myself and with Dr. Matteo Rinaldi. The main topic is Quantum Computing for Hadron Physics. He easily joined the project “A generalized eigenvalue problem on a quantum annealer”, directed by me, in collaboration with the University of Trento, INFN Rome and Pisa, and ITA (Brasil), addressing a problem which arises in the study of relativistic two-body bound states. He started to work on a physical D-wave machine, available thanks to an agreement between INFN and D-wave, through CINECA (Bologna), demonstrating immediately a great interest and acquiring quickly specific skills. The results of the investigation will be sent for publication soon.

I think that the School at JLab will be an excellent chance for Filippo to improve his skills and culture. I hope that his application will be given full consideration.

Sincerely,

Sergio Scopetta
Professor in Nuclear and Subnuclear Physics

