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Dear Team of the Quantum Center ,

My name is Sander Stambach, I took my master's exam by Dr. James Wooten from IMB Zürich on the topic of quantum computing and the Quantum Center Research seems to be the perfect place for me to start my PHD.

Since I already here int the times about ground breaking Quantum Center, It piqued my interest instantly, as it is the perfect opportunity to further my studies in the field of quantum computing and technology, after the completion of my master's degree. My objective has always been to become a physicist, which is why I did my bachelor's degree in physics at the University of Basel. Throughout my studies, I learned to code in Python, Fortran, Java, and other programming languages. During my master's studies, I focused on theoretical quantum physics, as I am especially interested in this field. In addition, I attended lectures about high-energy particle physics as well as on quantum field theory. Moreover, I worked in Professor Pott's group on theoretical quantum thermodynamics. Finally, my master's thesis consisted of researching numerical simulations, where I focused on full counting statistics.

After completing my master's degree, I am eager to pursue further studies through a Ph.D. program. I am particularly drawn to ETH in Zürich for my doctoral studies, as my background in physics aligns well with the research opportunities available there. While I recently had a valuable experience in the theoretical group led by Patrick Potts in Basel, I am captivated by the

prospect of contributing to Quantum Center at ETH. I believe this field holds immense potential for advancing quantum computing, which greatly interests me. As a prospective Ph.D. student, I am enthusiastic about joining the research endeavors at ETH and utilizing my analytical skills and diverse expertise in quantum physics to make meaningful contributions to the field.

I am a strongly resilient researcher with a high-stress tolerance. After my studies, I participated in various humanitarian aid trips to the Ukrainian warzone. This experience taught me how to keep calm in stressful situations and how to look for the best solution while considering all circumstances.

I would like to thank you in advance for your consideration, and I look forward to meeting you in person to discuss the possibility of my appointment.

Yours sincerely,

Sander Stammbach