Sander Stammbach
Rainweg 11
4450 Sissach
Schweiz
Tel: +41 79 589 32 69
E-Mail: sander.stammbach@oultook.com

Université de Genève
Department of Applied Physics
Quantum Technologies
Rue de l'Ecole-De-Médecine 20
1205 Genève
Suisse / Switzerland

Dear Professor Nicolas Brunner,

my name is Sander Stammbach, I got informed about your group from my Professor Patrick Potts. I took my master's exam by Dr. James Wooten from IMB Zürich on the topic of quantum computing. After that I proceeded my master's thesis by Professor Potts in quantum thermodynamics. The very first paper I read from your body of work immediately sparked my interest. Your theoretical exploration of the impact of measurements on non-local correlation was profoundly compelling, to the extent that I can envision dedicating four years to delving into this field. Furthermore, your research on quantum memory represents a significant contribution to the advancement of future quantum computing endeavors. I am profoundly interested in this kind of research, as it is the perfect opportunity to further my studies in the field of quantum theory 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 many other programming languages. During my master's studies, I focused on theoretical quantum physics. In addition, I attended lectures about high-energy particle physics as well as 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. Now that I have completed my master's degree, I would like to further my studies in a PhD position. As a PhD. student, I would love to be part of the research development and to make significant contributions to your work on quantum theory using my expertise in numerical and analytical skills in quantum physics.

I am a strongly resilient researcher with a high stress tolerance. During the last year of my master's programme, 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 thank you in advance for your consideration, and I look forward to meeting you in person to discuss the possibility of an employment.

Yours sincerely,
Sander Stammbach