

Application for financial support for Lattice 2022

Dear organizers of Lattice 2022,

I would like to apply for the financial support for the 39th International Symposium on Lattice Field Theory. Currently I am a second year PhD student at Regensburg University, and I am working with Prof. Dr. Andreas Schäfer. I am eager to present our latest work by giving a talk with the title **"Quark Transversity Distributions in the Nucleon using the LaMET quasi-PDF approach"**.

For my studies I am working with members of the RQCD as well as LPC collaborations to extract the quark transversity distribution in the nucleon using Large-Momentum Effective Theory. Our work is the first which uses multiple lattice spacing ensembles generated by the CLS effort in order to do a controlled continuum limit of the quark transversity distribution obtained from lattice data.

I already presented a poster of our preliminary results at JENAS 2022 in Madrid, and I would very much like to present the final results to the whole Lattice community. For this reason, Lattice 2022 would be the perfect opportunity for me, as it is the largest of its type and would enable discussions with scientists from around the world.

Thank you very much for considering my application for financial support.

Best regards,

Lisa Walter