

Outreach statement

I believe that outreach is an integral part of an academic career and greatly appreciate the opportunity to interact with students with a scientific interest as well as the public as a whole. This is a vital undertaking to maintain support for fundamental research as well as to inspire the next generation of scientists.

During my Phd, I have enjoyed giving tours of CERN and CMS to members of the public, including members of the UK government. I believe that such opportunities to visit experiments and interact with researchers is the best way to engage people and to share the importance and excitement of our work. I will continue performing such outreach activities, for example tours, public lectures and school visits. I believe the Saturday morning physics programme is a very good starting point and I plan to explore other opportunities offered by the Lederman science center.

I am particularly interested in engaging school students who are interested in learning about scientific work. While at school I won a bursary to spend a month working in an astrophysics department. This experience played a crucial role in cementing my desire to study and pursue a career in physics. In addition, during my PhD I have supervised pupils undertaking week long research projects on two occasions. Having both undertaken and supervised such projects, I am convinced that they are vital in inspiring students to pursue scientific careers. At Fermilab I would like to be involved with the Summer Internship programme and, if possible, supervise a high school student or teacher during the summer.

Fermilab as the main US particle physics laboratory has a very large scope of research topics from collider to intensity beams and astrophysics. With its leading contributions not only to CMS but as well as e.g. the g-2 experiment, NO ν A/Dune, DES and Dark Matter searches I am looking forward to present our research to a keen public and also gain more insights myself.