

Washington Taylor (MIT)

Friday, 28 October 2022 15:30 (30 minutes)

[Chair: Christoph Keller (Arizona)]

“From geometry to 4D physics”

New insight into the topological structure of Calabi-Yau fourfolds provides a useful tool for organizing our understanding of chiral matter and how the Standard Model of particle physics can arise in the geometrical framework of F-theory. This work ties into a number of themes that have played an important role in Hirosi Ooguri’s work over the course of his career.