

# Multiple Fibrations, CICYs and Dualities

*Thursday 20 July 2017 15:00 (1 hour)*

It is an often noted fact that the vast majority of known Calabi-Yau geometries admit a genus one fibration. I will investigate this in the context of Calabi-Yau described as complete intersections in products of projective spaces, as well as extensions of that construction. The vast majority of these manifolds admit a large number of different fibrations. We will use this structure to describe links and dualities between theories obtained via different F-theory compactifications.

**Presenter:** GRAY, James (Virginia Tech)