

## 7/17 [Alastair Craw] Punctual Hilbert schemes of Kleinian singularities

It is well known that the Hilbert scheme of  $n$  points on the minimal resolution of a Kleinian singularity is a Nakajima quiver variety, but what about the Hilbert scheme of  $n$  points on the Kleinian singularity itself? I'll describe joint work with Gammelgaard, Gyenge and Szendroi in which we construct these Hilbert schemes as quiver varieties for the framed McKay quiver using multigraded linear series.