



# Ypatia 2022 - June 8-10, 2022

## jeudi 9 juin 2022

**Abstract: Reid's recipe is an equivalent of the McKay correspondence in dimension three. It marks interior line segments and lattice points in the fan of  $G$ -Hilb, i.e. a crepant resolution of  $\mathbb{C}^3/G$  for  $G \subset SL(3, \mathbb{C})$ , with certain nontrivial irreducible representations of  $G$ . Our goal is to generalise this by marking the toric fan of a crepant resolution of any affine Gorenstein singularity, in a way that is compatible with both the  $G$ -Hilb case and its categorical counterpart known as Derived Reid's Recipe. This is joint work with Alastair Craw and Jesus Tapia Amador. (10:15 - 10:35)**