

The AGN-Galaxy connection out to the highest redshifts

Philip Best¹

¹ *SUPA, Institute for Astronomy, University of Edinburgh*

Abstract

I will review the connection between the growth of galaxies and the AGN activity associated with the growth of their central black holes. Focussing initially on lower redshifts where our understanding is better, I will discuss the evidence for two fundamentally different modes of AGN activity in the Universe, the nature of the galaxies that host each of these, and the feedback effects of each mode of activity. I will then summarise what is known about each of these different modes of AGN activity out to the highest redshifts.