



The Beginnings and Ends of Double White Dwarfs

Contribution ID: 40

Type: **Talk**

Close Double White Dwarfs from Gaia

Monday 1 July 2019 11:00 (35 minutes)

I will report on a programme of double white dwarf discovery from targets selected from Gaia DR2 from their location in the H-R diagram. Targets are chosen from their location above the main white dwarf cooling sequence in terms of luminosity. This favours double white dwarfs with equal contributions from the two stars and a number of new systems have been discovered. These are of particular interest for their mass ratios which have long been problematic for close double white dwarfs. I will also discuss the known sample of double white dwarfs with reference to the Gaia DR2 H-R diagram.

Author: MARSH, Tom (University of Warwick)

Co-authors: Prof. NELEMANS, Gijs (Radboud University); Dr TOONEN, Silvia (University of Birmingham); Ms OUTMANI, Sabrina (University of Warwick); Mr CUNNINGHAM, Tim (University of Warwick); Dr BREEDT, Elme

Presenter: MARSH, Tom (University of Warwick)

Session Classification: Observed WD Populations 1