



The Beginnings and Ends of Double White Dwarfs

Contribution ID: 39

Type: **Talk**

The Long-Lived Remnants of Massive White Dwarf Mergers

Friday 5 July 2019 09:30 (20 minutes)

The merger of carbon-oxygen or oxygen-neon white dwarfs need not lead to a thermonuclear explosion, even when their total mass is in excess of the Chandrasekhar mass. I will discuss the post-merger evolution of these massive merger remnants, which may sometimes result in the production of a neutron star, and draw parallels to ultra-stripped core collapse supernovae. I will also describe the observational signatures that may allow such objects to be identified in the Milky Way or nearby galaxies.

Author: SCHWAB, Josiah (UC Santa Cruz)

Presenter: SCHWAB, Josiah (UC Santa Cruz)

Session Classification: Mergers