



The Beginnings and Ends of Double White Dwarfs

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Hydrodynamic Evolution of Supernovae Impacting White Dwarf Donors

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The D6 scenario suggests that the white dwarf donor interacts significantly with the supernova ejecta, as a way to explain the luminosity and size of candidate remnant objects. As this is clearly a dynamical interaction, we use the self-gravity and newly developed EOS capabilities of Athena++ to explicitly evolve the hydrodynamical phase of the ejecta-donor interaction, with particular attention dedicated to the shock that travels through the donor and the entropy deposited in its interior.

Primary author: COLEMAN, Matthew (Institute for Advanced Study)

Co-authors: BAUER, Evan (UC Santa Barbara); WHITE, Christopher (Kavli Institute for Theoretical Physics); Prof. BILDSTEN, Lars (Kavli Institute for Theoretical Physics)

Presenter: COLEMAN, Matthew (Institute for Advanced Study)

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