

Abstract Submitted
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New results in black hole-neutron star merger models MATTHEW DUEZ, Washington State University, SXS (CALTECH-CORNELL-CITA-WSU) COLLABORATION — I report on the SXS group's recent progress in using numerical general relativity to model one of the most violent and fascinating events in nature: the devouring of a neutron star by a black hole. I will discuss our efforts to simulate more representative and generic binary configurations and also our efforts to incorporate more realistic neutron star microphysics. Our numerical simulations allow us to predict post-merger states and gravitational wave signals.

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