

Abstract Submitted  
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**MHD in general relativity** DAVID NEILSEN, ERIC HIRSCHMANN, Brigham Young University, MATTHEW ANDERSON, LUIS LEHNER, Louisiana State University, STEVEN LIEBLING, Long Island University — Magnetic fields play an important role in many astrophysical phenomena. In this talk we present our method for solving the ideal MHD equations in general relativity. We discuss black hole excision, AMR for both fluid and geometric variables, and evolutions with dynamic geometry. Preliminary results on a black hole spacetime will be presented.

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