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Towards a charged Myers-Perry black hole ERIC HIRSCHMANN, Brigham Young University, CHRIS VERHAAREN, University of California, Davis — We describe the development of a self-consistent field technique to solve for black holes in higher dimensions. Such a method has been used to find various matter configurations in four dimensions such as neutron stars in Newtonian gravity and general relativity. This is applied to five spacetime dimensions and charged Myers-Perry black holes with one and two rotations.

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