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Relativistic magnetic reconnection in plasmas around black holes and neutron stars ALEXANDER PHILIPPOV, Flatiron Institute, Center for Computational Astrophysics — In this talk I will review the growing evidence of the importance of relativistic magnetic reconnection in powering observed emission from black holes and neutron stars. I will focus on the role of reconnection in accretion flows and jets from black holes and in magnetospheres of pulsars, magnetars and binary neutron stars before the merger.

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