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Pierre M Germain*, pgermain@cims.nyu.edu. "*Global solutions for the Euler-Maxwell equation*".

I will present a result giving global smooth solutions of the Euler-Maxwell equations for data sufficiently close to the equilibrium state of zero velocity, and constant density. The proof relies on a combination of the energy method, and the space-time resonance method. This is joint work with Nader Masmoudi. (Received September 20, 2011)