

# Asymptotic Limit of Compressible Euler-Maxwell Equations

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**Abstract.** In this talk we will discuss asymptotic limit of compressible Euler-Maxwell equations in Plasma physics. Some recent results about the convergence of compressible Euler-Maxwell equations to the incompressible Euler equations or incompressible e-MHD equations will be given via the quasi-neutral regime. Also, some new methods will be reviewed. This talk will be based on some joint works Y. J. Peng in France!