

Abstract Submitted
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Accumulative coupling between magnetized tenuous plasma and gravitational waves¹ FAN ZHANG, Beijing Normal Univ — This talk presents solutions to the plasma waves induced by a plane gravitational wave (GW) train travelling through a region of strongly magnetized plasma. The computations constitute a very preliminary feasibility study for a possible ultra-high frequency gravitational wave detector, meant to take advantage of the observation that the plasma current is proportional to the GW amplitude, and not its square.

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