

Abstract Submitted  
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**Plasma-wave generation in a dynamic spacetime** FAN ZHANG, Beijing Normal Univ, HUAN YANG, Perimeter Institute for Theoretical Physics — The studies on the electromagnetic counterparts to gravitational waves have largely been focusing on binary mergers containing at least one neutron star. Numerical studies have shown however, that binary black holes can also give off electromagnetic signals when immersed in magnetized plasma. I will present some analytical work that explore the underlying mechanism for generating such signals.

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