

Abstract Submitted
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High Speed Videography on HBT-EP¹ SARAH ANGELINI, J.P. LEVESQUE, M.E. MAUEL, G.A. NAVRATIL, Columbia University — A Phantom 7.3 fast camera has been installed on HBT-EP to study visible light fluctuations. The light originates from interactions between the plasma and neutrals, and the fluctuations correlate with plasma perturbations. Using Abel inversion and biorthogonal decomposition techniques, a picture of the plasma's response and instabilities as a result of applied magnetic perturbations can be reconstructed. This poster will compare the structures recorded from both the fast camera and the magnetic diagnostics, and demonstrate a forward modelling method for predicting the camera's data from a simulated mode.

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Sarah Angelini
Columbia University

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