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Properties of Turbulence and the Associated Particle Transport and Energization in Low-Beta Reconnection HUI LI, Los Alamos National Laboratory, LIPING YANG, National Space Science Center, China, XIAOCAN LI, FAN GUO, LANL — We present analysis of 3D MHD and kinetic simulations of 3D reconnection in low-β plasmas, emphasizing the development and evolution of turbulence. We examine the properties of turbulence as well as its impact on particle transport and energization. We discuss the differences between 2D and 3D. Implications for astrophysical observations will be discussed as well.

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