Title:	Highlight of new results from Institutional Computing Projects
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Highlight of new results from Institutional Computing Projects

William Daughton

April 29, 2013
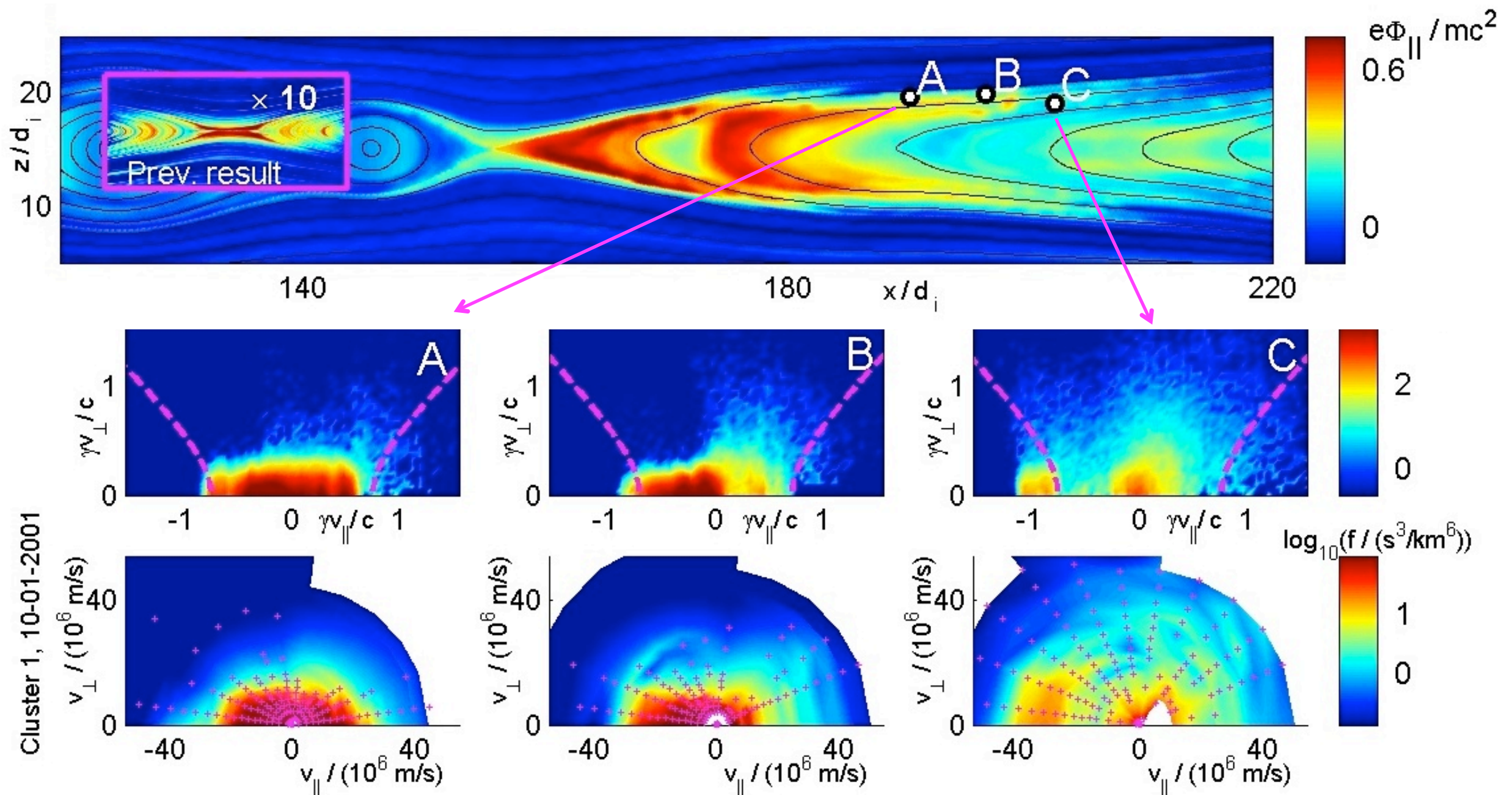
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W11_ShearTurb

2012- 2013

Role of parallel electric fields in accelerating electrons in the Earth's magnetotail

Kinetic simulations reveal new acceleration mechanism which is consistent with spacecraft observations → Egedal, Daughton, Le, Nature Physics, 2012
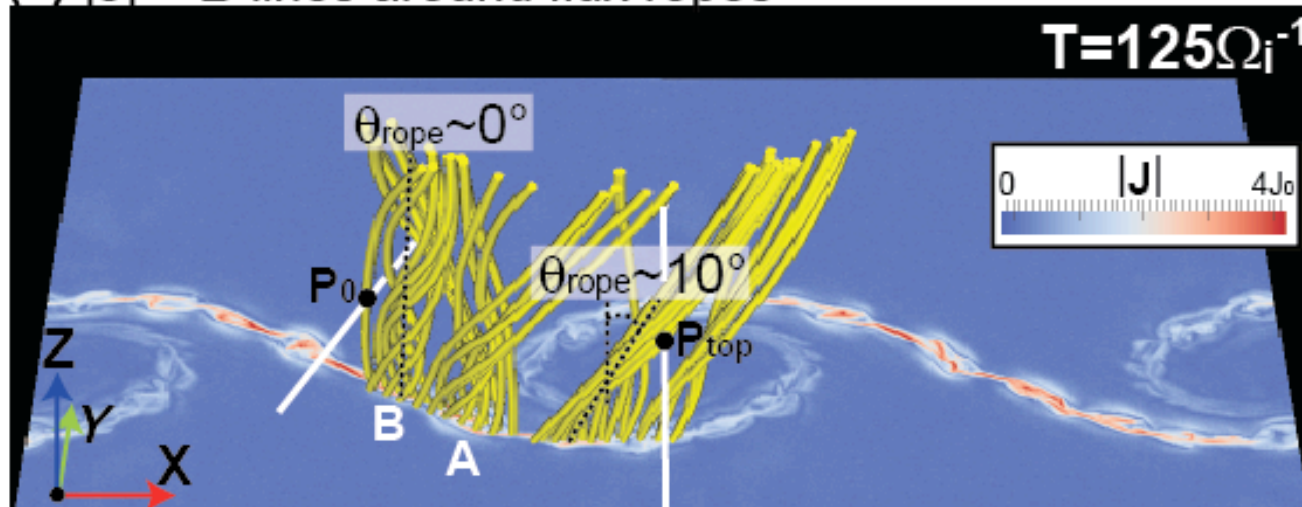
W11_MagReconn

2011- 2012

Vortex-Induced Magnetic Reconnection at the Earth's magnetopause boundary layer

Large-scale kinetic simulations offer new insights into 3D evolution of the Kelvin-Helmholtz instability →
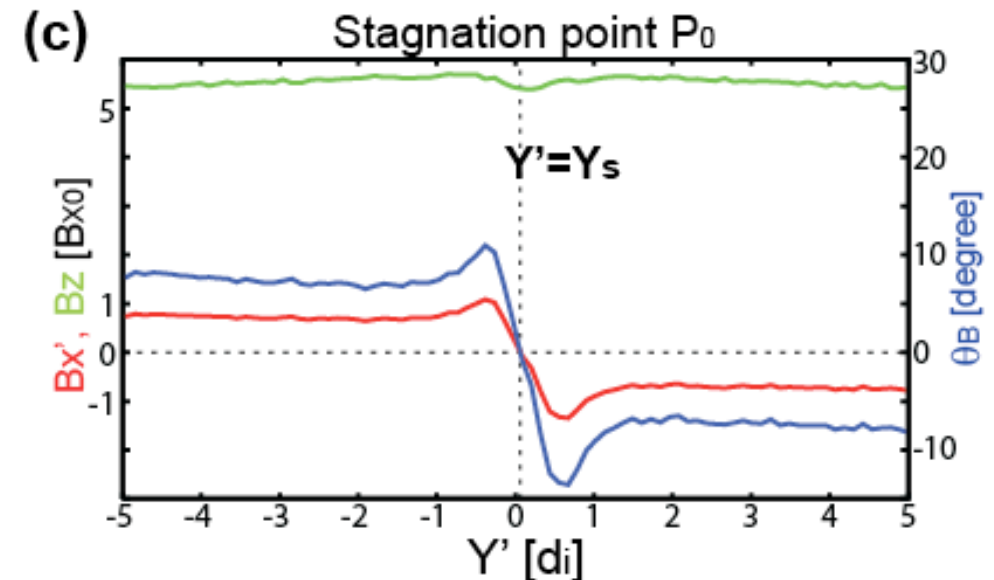
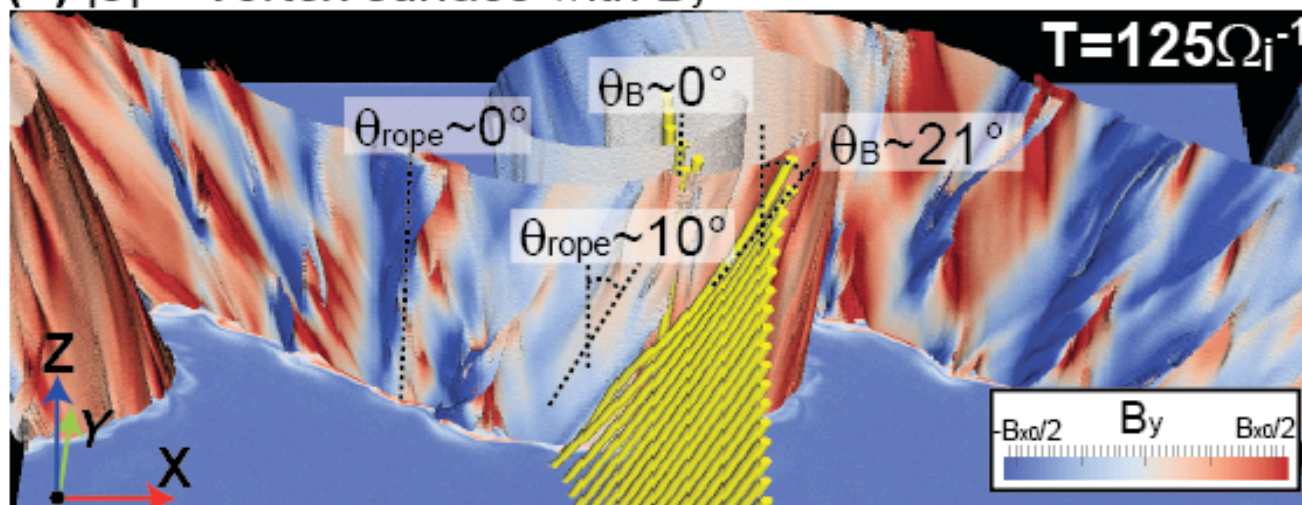Nakamura, Daughton, Karimabadi & Eriksson, J. Geophys. Res., 2013