Figure 1. from Reconnection Front Associated with Asymmetric Magnetic Reconnection: Particle-in-cell Simulations null 2019 APJL 881 L22 doi:10.3847/2041-8213/ab3655 https://dx.doi.org/10.3847/2041-8213/ab3655 © 2019. The American Astronomical Society. All rights reserved.

 $\Omega_{ci}$ t=61 Asymmetric Βz  $\Omega_{ci}$ t=98 Symmetric Βz (b) (a) 40 25 0.5 Z [c/ $\omega_{
m pi}$ ] Z [c/ $\omega_{\mathsf{pi}}$ ] 20 30 15 0 10 -0.5 20 5 (d) (c)  $-\Omega_{ci}$ t=72  $-\Omega_{ci}t=40$  $-\Omega_{ci}$ t=111  $-\Omega_{ci}$ t=61 \_\_\_Ω<sub>ci</sub>t=124 \_\_\_Ω<sub>ci</sub>t=68  $-\Omega_{ci}$ t=85  $-\Omega_{ci}$ t=47 0.5  $-\Omega_{ci}$ t=54  $-\Omega_{ci}$ t=98 Βz Βz 0 n -0.5 -1 -1 140 150 170 70 80 100 130 160 180 60 90 110 120 X [c/ $\omega_{pi}$ ]  $X [c/\omega_{pi}]$ 

0

-1