Japan Geoscience Union Meeting 2010

(May 23-28 2010 at Makuhari, Chiba, Japan)

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PEM026-01

Room: Exibition hall 7 subroom 1

Time: May 23 10:45-11:00

Analysis of ion acceleration around collisionless shocks

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We have carried out the long-term simulation of the shock acceleration process using the Hybrid model. We report the successfully reproduced power-law energy distribution function, and spatial distribution of the accelerated particles.

Keywords: collisionless shock wave, particle acceleration