

## 添付資料 (代表的成果論文ほか)

### 太陽

1. Isobe, S., Miyagoshi, T., Yokoyama, T., and Shibata, K.  
Filamentary Structure on the Sun from the Magnetic Rayleigh-Taylor Instability, *Nature*, 434, 478-481 (2005)
2. Isobe, H., and Shibata, K.  
Three Dimensional MHD Simulation of Convection and Emerging Flux, in Proc.5th Solar-B Science Meeting, Sakurai, T. and Sekii, T. (eds.), (ASP Conference Series), 325, xxx-xxx (2004)
3. Shiota, D., Isobe, H., Brooks, D. H., Shibata, K., and Chen, P.F.  
XRT and EIS Observations of Evidence of Magnetic Reconnection, in Proc.5th Solar-B Science Meeting, Sakurai, T. and Sekii, T. (eds.), (ASP Conference Series), 325, xxx-xxx (2004)
4. Brooks, D. H., Isobe, H., Shibata, K., Chen, P.F., and Lanzafame, A.C.  
Spectroscopic Detection of Magnetic Reconnection Evidence in the Solar Atmosphere with Solar-B/EIS, in Proc.5th Solar-B Science Meeting, Sakurai, T. and Sekii, T. (eds.), (ASP Conference Series), 325, 367-372 (2004)
5. Nozawa, S.  
Three-Dimensional Magnetohydrodynamic Simulation of Nonlinear Magnetic Buoyancy Instability of the Flux Sheet with Magnetic Shear, *PASJ*, submitted (2005)
6. Miyagoshi, T., and Yokoyama, T.  
Magnetohydrodynamic Simulation of Solar Coronal Chromospheric Evaporation Jets Caused by Magnetic Reconnection Associated With Magnetic Flux Emergence, *ApJ*, 614, 1042-1053 (2004)
7. Okamoto, T., Nakai, H., Keiyama, A., Narukage, N., Ueno, S., Kitai, R., Kurokawa, H., and Shibata, K.  
Filament Oscillations and Moreton Waves Associated with EIT Waves, *ApJ*, 608, 1124-1132 (2004)
8. Sakajiri, T., Brooks, D. H., Yamamoto, T., Shiota, D., Isobe, H., Akiyama, S., Ueno, S., Kitai, R., and Shibata, K.  
A Study of a Tiny Two-Ribbon Flare Driven by Emerging Flux, *ApJ*, 616, 578-586 (2004)
9. Tanuma, S., and Shibata, K.  
Internal Shocks in the Magnetic Reconnection Jet in Solar Flares: Multiple Fast Shocks Created by the Secondary Tearing Instability, *ApJ*, in press (2005)

10. Jain, R., Browning, P., and Kusano, K

Solar Coronal Heating by Forced Magnetic Reconnection: Multiple Reconnection Events, *Physics of Plasmas* 12, 012904 (2005)

#### 降着円盤

11. Sano, T., Inutsuka, S., Turner, N.J., and Stone, J.M.

Angular Momentum Transport by Magnetohydrodynamic Turbulence in Accretion Disks: Gas Pressure Dependence of the Saturation Level of the Magnetorotational Instability, *ApJ*, 605, 321-339 (2004)

12. Aoki, S., Koide, S., Kudoh, T., Nakayama, K., and Shibata, K.

Quasi-Periodic Inward Shock Formations in the System of a Black Hole and an Accretion Disk and Application to Quasi-Periodic Oscillations in Galactic Black Hole Candidates, *ApJ*, 610, 897-912 (2004)

13. Kuwabara, T., Shibata, K., Kudoh, T., and Matsumoto, R.

The Acceleration Mechanism of Resistive Magnetohydrodynamic Jets Launched from Accretion Disks, *ApJ*, 621, 921-931 (2005)

#### 総合報告

14. Shibata, K.

Magnetic Reconnection in Solar and Astrophysical Plasmas, in *Physics of Magnetic Reconnection in High-Temperature Plasmas*, M. Ugai (ed.), Research Signpost, India, (2004) pp. 193-237

#### その他

15. 新聞報道記事 (磯部らの Nature 論文研究の報道)

- 京都大学ニュースリリース 2005年3月11日、同 2005年3月24日
- 京都新聞 2005年3月24日
- 読売新聞 2005年3月30日
- 毎日新聞 2005年3月30日
- 朝日新聞 2005年4月5日