

# Magnetic Topology Effects on Dissipation in Turbulent Plasma

## Monday, 3 September Spin-off workshop

10.00 – 10.15	Introduction (Anna Yang)
10.15 – 10.30	About our team (Vyacheslav Olshevsky)
	<b>Workshop #1. Convener: Huishan Fu.</b>
10.30 – 11.00	Meng Zhou. Test particle acceleration in coupled MHD-PIC simulation of magnetotail.
11.00 – 11.30	Shutao Yao. Topology of kinetic magnetic peaks and flux ropes.
11.30 – 12.00	Yangyang Liu. 2-order reconstruction of magnetic field.
12.00 – 12.30	Shichen Bai. Electrons observed outside of the edge of the electron diffusion region.
<b>12.30 – 14.00</b>	<b>Lunch (location TBA)</b>
	<b>Workshop #2. Convener: Quanqi Shi.</b>
14.00 – 14.30	Malcolm Dunlop
14.30 – 15.00	Ruilong Guo S-null pairs.
15.00 – 15.30	Zuyin Pu. Complex Magnetic Topologies in FTEs at the Magnetosphere
<b>15.30 – 16.00</b>	<b>Coffee</b>
16.00 – 16.30	Zhe Wang. Extend FOTE method to velocity field.
16.30 – 17.00	Discussion and summary (Quanqi Shi)
<b>17.00 – 18.00</b>	<b>Welcome Reception (ISSI-BJ)</b>

## Tuesday, 4 September

	<b>Null-point detection techniques and clustering. Convener: Clare Parnell.</b>
10.00 – 10.30	Introduction by David Pontin
10.30 – 12.30	Discussion
<b>12.30 – 14.00</b>	<b>Lunch</b>
	<b>Magnetic skeleton analysis. Convener: David Pontin.</b>
14.00 – 14.30	Introduction (Clare Parnell / Benjamin Williams)

14.30 – 15.00	Nulls found in Politano setup (Vyacheslav Olshevsky)
<b>15.00 – 15.30</b>	<b>Coffee break</b>
15.30 – 17.00	Discussion (convener Vyacheslav Olshevsky)

### Wednesday, 5 September

10.00 – 12.30	<b>Energetics and topology analysis in observations. Convener: Yuri Khotyaintsev.</b> <b>Chengming Liu</b> Magnetic nulls found by MMS <b>Huishan Fu</b> Whistler waves and nulls detected in EDR
<b>12.30 – 14.00</b>	<b>Lunch</b>
14.00 – 18.00	Group work on skeleton/null analysis in observations/simulations. <b>Giulia Cozzani</b> Quantifying dissipation with Pi-D parameter <b>Giulia Cozzani</b> MMS EDR observations in the magnetotail
<b>18.30 – 20.00</b>	<b>Group dinner</b>

### Thursday, 6 September

09.00 – 17.00	<b>Excursion, Huishan Fu.</b>
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### Friday, 7 September

09.30 – 12.30	Final discussions: prospects for future simulations and satellite missions.
<b>12.30 – 14.00</b>	<b>Lunch</b>
14.00 – 17.00	Group work for interested participants and farewell.