Initial Plasma Experiment in the Levitated Ring Trap RT-1

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ceramic tube (shielded by SUS tube),

Electron density - RF power (Pf~3.4kW)

H2 Pr

Electron density - neutral gas pressure

tungsten tit



Schematic configuration of the HTS floating coil

References

[1] Z. Yoshida et al., Plasma Fusion Res. 1 (2006) 008.

[2] S. M. Mahajan and Z. Yoshida, Phys. Rev. Lett. 81, 4863 (1998); Z. Yoshida and S. M. Mahajan, Phys. Rev. Lett. 88, 095001 (2002). [3] H. Saitoh, Z. Yoshida et al., Phys. Rev. Lett. 92 (2004) 255005; H. Saitoh, Z. Yoshida et al., Phys. Plasmas 11 (2004) 3331