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Special Topic Article

New Applications of Interaction between Plasmas and Electromagnetic Waves

— Spatiotemporal Designs Yield New Functions —

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Still photos of microwave-sustained helium plasma jet at atmospheric gas pressure. (a) stable plasma mode and (b) curved discharge mode. Structural bifurcation of these two modes appears depending on the preset flow rate of working helium gas. (Shuichi TAKAMURA *et al.*, Plasma and Fusion Research Vol.3, 012 (2008). <http://www.jspf.or.jp/PFR/>)



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3-1-1, Uchiyama, Chikusa-ku, Nagoya 464-0075, Japan

Tel 052-735-3185, Fax 052-735-3485, E-mail: plasma@jsof.or.jp, URL: <http://www.jspf.or.jp/>