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Progress of High-Power-Accelerator Research for Heavy Ion Fusion

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A schematic diagram of the experiment that does not only produce independently but also confine simultaneously pure lithium ion (Li^+) and electron (e^-) plasmas on BX-U. At first, the e^- plasma is formed in the right side negative potential well through a self-organization process. Subsequently, the Li^+ plasma is produced in the left side positive potential well. By extracting those plasmas from each well, several plasma parameters are measured. (Haruka SHIMOMURA *et al.*, Plasma and Fusion Research Vol.8, 1201003 (2013) <http://www.jspf.or.jp/PFR/>)

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