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Operation Experience of LION and RHIC-EBIS for RHIC and NSRL

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LION is a laser ion source to provide singly charged heavy ions of various species for RHIC-EBIS. Ion beams are used for RHIC physics experiments and for NASA Space Radiation Laboratory (NSRL) quasi-simultaneously. The demands for beams are growing and more and more ion species are used due to unique capability of the sources. Ion species can be switched on a pulse-by-pulse basis not affected by previously used species. LION can produce ion beams from any solid material. We will present the performance and experience of LION and RHIC-EBIS.

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