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Performance of Laser Ion Source LION Operated at Brookhaven National Laboratory

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LION is a laser ion source that has been in operation at Brookhaven National Laboratory (BNL). It is the first laser ion source to supply ion beams stably for users at a large accelerator facility in the world. LION is located at the upstream end of the heavy ion accelerator complex at BNL and supplies singly charged ion beams of various ion species. LION has been in operation from 2014 to 2023 and is planned to be upgraded. This presentation summarizes the operational performance achieved by LION.

Funding Agency

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Yes

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