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Linac4 Ion Source: Status, Performance, and Operation.

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The Linac4 H^- ion source plays a vital role for the CERN operation and experimental users. Its performance and availability have a direct and critical impact on the CERN's proton accelerator chain and the physics programs it supports. This paper presents an overview of the system, the operational experience and the lessons learned during the full five years of official running. Key topics as installation and maintenance strategy, spare parts management, cesiation procedure, automated RF power regulation and recent upgrade and improvements are discussed together with current performance metrics and availability figures.

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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