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ALIGNMENT OF A 240 KeV ECR COLUMN AT DUKE UNIVERSITY LENA

In spring of 2015 construction of a new 240 KeV particle accelerator column and its extraction system were completed at the Laboratory for Experimental Nuclear Astrophysics (LENA) at Duke University. This was done as part of an upgrade to the existing Electron Cyclotron Resonator (ECR) Ion Source at LENA, located in the basement of Duke University Physics Department.

In this report, survey and alignment of this ECR accelerator column and its extraction system will be discussed in details.

Summary

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