Contribution ID: **80** Type: **Poster**

Survey and Alignment of our Newly Modified 240 KeV ECR Ion Accelerator at Duke University's Laboratory for Experimental Nuclear Astrophysics

Electron Cyclotron Resonator (ECR) accelerator is housed at the Duke University's Laboratory for Experimental Nuclear Astrophysics (LENA) and is capable of producing beam currents more than 4 mA with energies of up to 240 keV at the target.
Alignment procedure and detailed design of this ECR ion accelerator was presented in the IWAA conference in Grenoble, France. Since then, a new design provision for the beam extraction section of the accelerator was implemented for ease of alignment and operation.
In this report, survey and alignment procedure for this modified beam extraction section will be discussed in detail.

Authors: EMAMIAN, Mark; Mr EMAMIAN, Mark

Presenter: EMAMIAN, Mark

Track Classification: Survey & Alignment