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Initial results from 35 keV H⁺ beam at the LANL RFQ test stand

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The Los Alamos Neutron Science Center (LASNCE) is over 50 years old. Currently, Cockcroft-Waltons are being used to accelerate H⁺ and H⁻ beams to 750 keV. The LANSCE Modernization Project (LAMP) is proposing to replace the front-end of LANSCE with a Radio-Frequency Quadrupole (RFQ). A RFQ Test Stand is being commissioned at LANL for technical demonstration of simultaneous dual-beam species acceleration through a RFQ under the timing constraints required by the LANSCE users facilities. We will describe the status and present initial results of the 35keV H⁺ line on the RFQ Test Stand.

Footnotes

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