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LAMP ion source commissioning and future plans

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The LANSCE Modernization project (LAMP) is planning to replace the first 100 MeV of the LANSCE linac, from the ion sources through the end of the drift-tube linac. In addition to replacing the drift-tube linac and switching from dual Cockcroft-Walton injectors to a single RFQ, the existing filament based H- ion source will be replaced by RF-driven, SNS style ion source. This poster will describe our progress in commissioning the new H- ion source at our RFQ Test Stand, and in building a 35kV beamline for the existing H+ duoplasmatron to test dual-beam species through an RFQ for technical maturation. It will also describe future efforts planned as part of the LAMP project.

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