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Status of the radiofrequency quadrupole cooler/buncher at TRIUMF-CANREB

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The Canadian Rare-isotope facility with Electron Beam ion source (CANREB) is currently being commissioned at TRIUMF in Vancouver, Canada. CANREB will accept rare isotope beams from the Isotope Separator and Accelerator (ISAC) or Advanced Rare Isotope Laboratory (ARIEL) facilities. The ions will be charge bred using an electron beam ion source (EBIS) to $3 \leq m/q \leq 7$ for post-acceleration to medium- and high-energy experiments. For injection into the EBIS, continuous ion beams from the source will be cooled and bunched using a radiofrequency quadrupole (RFQ) cooler/buncher. Results from initial RFQ commissioning tests, as well as an overall status of CANREB, will be presented.

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