Plans for Rare Isotope Beams at TRIUMF 2010-2015

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TRIUMF is embarking on a new funding cycle. A new high power electron linear accelerator is proposed. The "e-linac" will generate neutron rich isotopes near tin-132 from electrons causing photo-fission on an actinide. The physics focus is nuclear structure of neutron rich isotopes. In addition, in the same tunnel, an extra beam line dedicated to proton spallation on an actinide target with 10 micro-amps of current is planned. The main physics focus for this beam line is fundamental symmetries, such as the search for atomic parity violation and electric dipole moments in heavy isotopes such as Francium and Radon.