

Abstract Submitted  
for the DNP07 Meeting of  
The American Physical Society

**TITAN Penning Trap mass spectrometer: design, commissioning and the near future.**<sup>1</sup> VLADIMIR RYJKOV, TRIUMF, MAXIME BRODEUR, JENS DILLING, TRIUMF/UBC, TITAN COLLABORATION — TITAN facility is designed to use a variety of ion trapping techniques to conduct nuclear and atomic physics research. It will be used to study short-lived isotopes produced by the ISAC RIB source at TRIUMF National Laboratory in Vancouver, Canada. One of the components of the TITAN facility is the precision Penning trap mass spectrometer. It is now being commissioned and is scheduled for its first online mass measurement at the end of August of 2007. An overview of the TITAN Penning trap mass spectrometer design will be given. The preliminary results of the commissioning run will be described and the short-term measurement goals will be outlined.

<sup>1</sup>This work is supported by NSERC

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Date submitted: 02 Jul 2007

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