

Speaker : David Lunney

**The binding energy of halo nuclides:
TRIUMF's new role in the global mass market**

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Abstract

Weak binding energy is one of the fundamental criteria characterizing the unique properties of nuclear halos. As such, it must be known with great accuracy and is best obtained through direct mass measurements.

The global mass market is now a competitive one. Of the many investment vehicles, the Penning trap has emerged as providing the best rate of return and reliability.

After examining mass marketing trends, we will critically evaluate TRIUMF's Ion Trap for Atomic and Nuclear physics (TITAN), highlighting the recent rates and interest. We will also hazard a prediction for the halo futures market.