

AMS technique development

Publications (as of July 2009)

M.A.C. Hotchkis, D. Button, C.L. Waring. Use of multiply-charged atomic ions for isotope ratio mass spectrometry, *Rapid Comm. Mass Spectrom.* 22 (2008) 1408.

D. Button and M.A.C. Hotchkis. Use of an ECR Ion Source for mass spectrometry, 18th International Workshop on ECR Ion Sources, September 15-18, 2008, Chicago, Illinois, USA, published at <http://www.JACoW.org/>.

F. W. Meyer, E. Galutschek, M. Hotchkis. Low-Energy Grazing Ion-Scattering from Alkali-Halide Surfaces: a Novel Approach to C-14 Detection, *AIP Conference Proceedings* Vol 1099 (1), 308-313 (2009).

M.A.C. Hotchkis, D. Buckley and D. Button. Performance of an Electron Cyclotron Resonance Ion Source designed for Isotope Ratio Mass Spectrometry, *Rev. Sci. Instr.*, 79 (2008) 02A304.

M.A.C. Hotchkis and T. Wei. Radiocarbon detection by ion charge exchange mass spectrometry, *Nucl. Instr. & Meth. B* 259 (2007) 158.