

Abstracts Submitted to the 14th International Conference on Accelerator Mass Spectrometry

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Measuring Actinide Isotopes using Fluoride Anions.

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Measurement of Curium Fluoride Anions by Accelerator Mass Spectrometry

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BaCO₃ targets produced from dissolved carbonate in groundwater for direct AMS measurement

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A new AMS laboratory at Beijing Normal University in China

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Separation of Zr/Nb radioisotopes: an analytical method development

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The seasonal fluctuations and accumulation of Iodine-129 in relation to the hydrogeochemistry of the Wolf Creek Research Basin, a discontinuous permafrost watershed

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Ion beam enhancement in 236UO- measurements by AMS using Si powder as the binder

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Yb- and 236UF5-: two case studies of E/q and EM/q² interferences in AMS

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An attempt to push AMS radiocarbon dating to beyond 60 kyr

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Status of the progress at the Dresden Super-SIMS

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Separation of Tin from Tellurium: An Analytical Survey on Different Substrates

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Chemical preparation for the measurement of Pb-210 by AMS

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Study of a methodology to determine 90Sr in biota and water samples by ICP MS QQQ and LSC

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New methodology to release 129I from charcoal samples

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Radiocarbon of dissolved organic carbon from ice wedges to reconstruct Pleistocene and Holocene Climate in a region of disputed ice cover of north central Yukon.

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The old bone project: quality assurance on radiocarbon dating bone in the 30,000 - 50,000 age range at the A.E. Lalonde AMS Laboratory (Ottawa, Canada)

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A New AMS Methodology to Measure 236U / 238U using Fluoride Anions

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236U in the High Grade Uranium Deposit at Cigar Lake

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Separation of 135Cs from 135Ba for AMS measurement

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Measuring 226Ra in bone by AMS Content

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An AMS Method to Measure 99Tc in Seaweed

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Ferromanganese concretions record lake history over the past >8000 years.

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An Accelerator Mass Spectrometry Method for Radium-226 Measurements in Drinking Water

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99Tc measurement with matrix-assisted low energy AMS

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Comparison of Methods of 129I Extraction for AMS

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New methodology for the measurement of iodine isotopes in organic matter using different oxidants

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45° Ion Motion in an RFQ: A Study of SIMION 8.1 for Modeling Isobar Separator Beam Dynamics in AMS

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A new capability for 41Ca analysis using CaF3- at Xi'an-AMS

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An Accelerator Mass Spectrometry Method for Plutonium Measurements in Sea Water

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The Status of the 3MV multi-element AMS after recent upgrades in Xi'an, China

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Radiocarbon in soil CO2 emissions as a tracer for biodegradation of hydrocarbon in the subsurface

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A.E. Lalonde Labs Facility Report: A study of 41Ca measurements at 3.0 MV terminal voltage

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Particulate polycyclic aromatic hydrocarbons (PAH) and 14C in urban and rural air in the Ottawa, Ontario region

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How much ethanol is in your gasoline?

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First measurements of 10Be at the Lalonde AMS Laboratory and the deglaciation of Peggy's Cove, Nova Scotia

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Determining the trace level of 14C in the materials for use in the SNO+ Neutrino detector at SNOLab

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Black Carbon in Arctic Air

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Radionuclides Transport from Fukushima, Japan across the Pacific Ocean to Canada

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Simulations of Concurrent Caesium and Carbon Trajectories for the SO-110B Ion Source

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Provenance of Methane in Groundwater in Eastern Ontario

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Measurement of ²³⁶U in Biota by accelerator mass spectrometry

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Iodine-129 measurements in Ordovician shale and limestone porewaters: challenges and constraints for dating.

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Iodine-129 as tracer for the sources of iodine in Human Diets

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