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Conference Presentation

2009

1. John Miller, Chad Wolak, Scott Lehman, Collin Allison, Heather Graven, Tom Guilderson, Ralph Keeling, Haro Meijer, T. Nakamura, Takakiyo Nakazawa, Rolf Neubert, Andrew Smith, John Southon, Xiaomei Xu¹, Preliminary results from the first inter-comparison of Accelerator Mass Spectrometry atmospheric $^{14}\text{CO}_2$ measurements, presented by John Miller at the CO₂ Experts Meeting, Jena, German, 7th-10th September 2009
2. David Cohen (invited), Simultaneous X-ray and Ion Beam Techniques for the Characterisation and Fingerprinting of Fine Particle Air Pollution and its Sources in the Asian Region. 58th Annual Conference on Applications of X-ray Analysis, Colorado Springs, Colorado, USA, 27-31 July 2009.
3. M. Ionescu (invited), P. Photongkam, D. Yu¹, R. Siegele, S. Li², D. D. Cohen, Doping of ZnO thin film with Co and Eu using ion beams, International Conference on Advanced Processing of Materials, 22-27 August 2009, Berlin, Germany
4. David D Cohen, Eduard Stelcer, David Garton, Patrick De Deckker, Nigel Tapper, Tadhg O'Loingsigh, Rainer Siegel, Mihail Ionescu. The use of IBA techniques to track fine particle dust storms from Australian deserts. 19th International Ion Beam Analysis Conference, University of Cambridge, UK, 7-11 September 2009.
5. Adrian J. Friend, Godwin A. Ayoko, Eduard Stelcer, and David Cohen. Source identification and source apportionment of air pollutants in Brisbane, Queensland. 19th International Clean Air and Environment Conference, Perth, Western Australia, 6-9 September 2009.
6. M. Ionescu, P. Photongkam, D. Yu, R. Siegele, S. Li, D. D. Cohen, R. Ramer, D. Garton, D. Lynch, J. Wang, Depth profile of elements in doped ZnO thin films by heavy ion ERDA, 19th International Ion Beam Analysis Conference, University of Cambridge, UK, 7-11 September 2009.
7. David Button and Michael A.C. Hotchkis. The ANSTO ECR Ion Source and Assessment of Methods to Reduce Contamination and Sample Retention, 13th International Conference on Ion Sources, Gatlinburg, Tennessee, USA, September 20–25, 2009.
8. David Garton, Peter Drewer, Update on sparking problem with the ANTARES FN Tandem accelerator. Symposium of North Eastern Accelerator Personnel 2009. Tucson, Arizona, USA, 4-9 October 2009.
9. David Garton, Ollie Evans, Mick Mann, Kevin Ansary, Peter Drewer, Peter Bond, Tony Mowbray, Damien Lynch, Jian Wang, Craig Thompson, Accelerator Lab report for 2008 –

2009 and Overview of Proposed New Accelerator Facilities at ANSTO. Symposium of North Eastern Accelerator Personnel 2009. Tucson, Arizona, USA, 4-9 October 2009.

10. M. Minakshi, G. Thorogood, M. Blackford, M. Ionescu, Lithium insertion into MnO_2 in an aqueous secondary battery, International Symposium on Renewable Energy Storage and Conversion Technologies, 18-20 November 2009, University of Wollongong, Wollongong, Australia
11. B. R. Winton, M. Ionescu, S. X. Dou, Buckling and delamination buckling induced patterns in thin confined elastic films by ion implantation. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
12. P. Photongkam, M. Ionescu, D. Yu, Y. Zhang, S. Li, Room temperature ferromagnetism in as implanted Eu-ZnO thin films, 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
13. I. T. Graham, M. Ionescu, Khin Zaw, and F.L. Sutherland, Sapphire and ruby trace element geochemistry: PIXE versus other analytical techniques. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
14. M.A.C. Hotchkis, D.P. Child, D. Cohen, J. Dodson, D. Fink, D. Garton, Q. Hua, M. Ionescu, G.E. Jacobsen, V. Levchenko, C. Mifsud, R. Siegele, A.M. Smith, A. Williams and S. Winkler, A bright future for Accelerator Science at ANSTO. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
15. M.A.C. Hotchkis and D. Child. Formation of multiply-charged ions in tandem accelerators with sub-equilibrium stripper thickness. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
16. 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).
17. D. Button and M.A.C. Hotchkis. Use of an ECR Ion Source for mass spectrometry, Proceedings of the 18th International Workshop on ECR Ion Sources, September 15-18, 2008, Chicago, Illinois, USA, published on-line in March 2009 at <http://www.JACoW.org/>.
18. M.A.C. Hotchkis (invited). New Frontiers in Accelerator Mass Spectrometry, 22nd Biennial Conference of the Australia and New Zealand Society for Mass Spectrometry (ANZSMS-22), 27th to 30th January 2009, Sydney, Australia (invited keynote presentation).
19. David Button and Michael A.C. Hotchkis. The ANSTO ECR Ion Source and Assessment of Methods to Reduce Contamination and Sample Retention, 13th International Conference on Ion Sources, September 20–25, 2009, Gatlinburg, Tennessee, USA.
20. D.P. Child, M.A.C. Hotchkis, I.S. Williams. Exploration of the suitability of Sensitive High Resolution Ion Micro Probe (SHRIMP) to Nuclear Particle Analysis, 22nd Biennial Conference of the Australia and New Zealand Society for Mass Spectrometry (ANZSMS-22), 27th to 30th January 2009, Sydney, Australia.
21. David Button and Michael A.C. Hotchkis. New methods of mass spectrometry based on an Electron Cyclotron Resonance Ion Source, 22nd Biennial Conference of the Australia and

New Zealand Society for Mass Spectrometry (ANZSMS-22), 27th to 30th January 2009, Sydney, Australia.

22. D. Button, M. A. C. Hotchkis. Methods for eliminating interferences and background reduction in mass spectrometry based on an ECR ion source. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
23. David D. Cohen, The Australian National Tandem for Applied Research - ANTARES, its 20 Years Old. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
24. David D. Cohen, Jagoda Crawford, Eduard Stelcer, Vuong Thu Bac, IBA Techniques for Fine Particle Pollution, Source Characterisation and Quantification of Long Range Transboundary Smoke and Soil Events in the Asian Region. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
25. E Stelcer, A. Atanacio, D. D. Cohen, R Siegele, D. Garton, P. Drewer, Ion beam analysis of 3 DRUM aerosol trips. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
26. R. Siegele, M. Reinhard, M. Ionescu, A. Kachenko, D. D. Cohen. Improved resolution on the ANSTO microprobe and its application. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
27. M.Radhi, M. Box, G. Box, R. Mitchell, M. Keywood, D. French, D. D. Cohen, E. Stelcer. Size resolved mass and chemistry of Australian desert aerosol. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
28. P. Murugaraj, D. Mainwaring, N. Ali Khelil, R. Siegele, J. L. Peng, P. D. Sawant. On the high electromechanical sensitivity in ion beam irradiated polymer thin films. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
29. E. Fuks, Y. S. Horowitz, A. Horowitz, L. Oster, S. Marino, R. Siegele, A. Rosenfeld, J. Livingstone, H. Datz. Glow curve characteristics of LiF:Mg,Ti(TLD-100) following irradiation by heavy charged particles: high temperature thermoluminescence and peak 5a/5 nanodosimeter. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
30. J. D. Howarth, S. J. Fitzsimons, G. Jacobson. Towards an approach for removing reworked pollen from pollen concentrated for AMS dating of lake sediments. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
31. J. Jakubek, J. Bouchami, P. Gabos, C. Granja, A. Gutierrez, V. Havranek, U. Koster, M. Kroupa, C. Lecroy, M. Petasecca, M. Platkevic, S. Pospisil, D. A. Prokopovich, M. I. Reinhard, R. N. Siegele, A. B. Rosenfeld. Heavy ion microprobe analysis of the TIMEPIX detector. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
32. M. J. F. El-assad, J. A. McQuillan, E. A. Carter, G. E. Grau, N. H. Hunt, D. D. Cohen, R. Siegele, P. A. Lay. Hypoxia and cerebral malaria pathogenesis: new investigations using

vibrational spectroscopy. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.

33. M. L. F. Lerch, A. J. Cullen, A. M. Baloglow, M. Reinhard, M. Petasecca, R. Siegele, D. Prokopovich, E. Brauer-Krisch, H. Requardt, V. Perevertaylo, A. Bravin, A. B. Rosenfeld. Dosimetry of intense, pulse synchrotron x-ray microbeams. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
34. A. L. Ziebell, N. Hu, N. S. Lai, W. H. Lim, M. Reinhard, D. A. Prokopovich, R. Siegele, A. S. Dzurak, A. B. Rosenfeld. 2nd generation microdosimeter with guard ring: an IBIC study. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
35. Adrian J. Friend, Godwin A. Ayoko, Eduard Stelcer, David D. Cohen, Source Identification and Source Apportionment of Air Pollutants in Brisbane, Queensland. 19th International Clean Air and Environment Conference 6-9 September 2009. Perth WA
36. Alan Williams and Simon Varley. Characterization and ongoing development of the ANSTO AMS Radiocarbon small mass H₂/Fe graphitisation lines. Radiocarbon-20, Big Island, Hawaii, USA, 31st May – 5th June 2009
37. Geraldine Jacobsen, Linda Barry, Fiona Bertuch, Quan Hua, Charles Mifsud, Prabha Pratap, Neil Reilly, Simon Varley and Alan Williams “ANSTO AMS facility – Sample processing and target preparation. An update.” 20th International Radiocarbon Conference, Hawaii, USA, 30th May – 5th June 2009
38. E. Abbey, J. Webster, G. Jacobsen, A. Thomas, G. Henderson, P. Reimer, J.C. Braga, G. Camoin, R. Beaman, A. Trudhope, T. Bridge, N. George. Morphological variation, composition and age of submerged reefs of the Great Barrier Reef. IODP New Ventures in Exploring Scientific Targets – INVEST, Bremen, Germany. Sept 23rd-25th 2009.
39. Jamie D. Howarth, Geraldine Jacobsen, Marcus J. Vandergoes and Sean J. Fitzsimons (2009) AMS 14C dating of seismo-turbidites: identifying a reliable target fraction. 16th Australian Nuclear and Complementary Techniques of Analysis Conference, 25-27 November 2009, ANSTO, Sydney, Australia.
40. Sarah Hagerty, John Webb, Phil Dyson, Mark Hocking, Geraldine Jacobsen, Robert Chisari, Simon Poulson. Tracing groundwater flow in granite landscapes using $\delta^{18}\text{O}$, $\delta^2\text{H}$, ^3H and ^{14}C in the Upper Wimmera catchment, western Victoria. submitted to 10th Australasian Environmental Isotope Conference & 3rd Australasian Hydrogeology Research Conference, Perth, Australia. 1-3 December 2009.
41. Matthias Raiber, John Webb, Geraldine Jacobsen. Using Environmental Tracers and Geological modelling to understand the effect of Aquifer Composition on groundwater quality in the Basalt Plains of western Victoria (Australia). 10th Australasian Environmental Isotope Conference & 3rd Australasian Hydrogeology Research Conference, Perth, Australia. 1-3 December 2009.
42. Parkes, S.D., D.W.T. Griffith, A. Element, C. Tadros, V. Harverd, S.R. Wilson, and A.G. Williams, 2009. Real-time measurements of the stable isotopes in water vapour by Fourier Transform Infrared spectroscopy, In P. De Groot, et al., (eds.) European Geophysical Union (EGU) General Assembly 2009, Vienna, Austria, 19 – 24 April 2009. Invited.

43. Wlodek Zahorowski, Scott Chambers, David D Cohen, Jagoda Crawford, Alex Vermeulen, Bart Verheggen, and Alastair G Williams. Baseline and non-baseline radon-222 observations for climate and air quality studies; a review. IAEA/WMO Technical Meeting on Sources and Measurements of Radon and Radon Progeny Applied to Climate and Air Quality Studies, 22 – 24 June 2009, IAEA Headquarters, Vienna, Austria. Invited.
44. Williams, A.G., Zahorowski, W., Chambers, S., Hacker, J.M., Griffiths, A., Element, A., and Werczynski, S., 2009: 'Radon as a quantitative natural tracer of mixing and venting in clear and cloudy convective boundary layers over land'. Oral Presentation in iLEAPS Session 3. Proc. 6th International Scientific Conference on the Global Energy and Water Cycle and 2nd Integrated Land Ecosystem - Atmosphere Processes Study Science Conference, Melbourne 24-28 August 2009, 192-194. Invited.
45. W. Zahorowski, S. Chambers, A. Griffiths, J. Crawford, A.G. Williams and S. Werczynski. 222Rn flux density from the Southern Ocean- an estimate based on radon baseline observations in 2001-2008. Cape Grim Baseline Air Pollution Station Annual Science Meeting 2008, 3-4 December, 2009, Abstracts (Paul Krummel and Nada Derek (Eds)), p17. Invited.
46. Parkes, S.D., N.M. Deutscher, C. Frankenberg, D.W.T. Griffith, N.B. Jones, and A.G. Williams, 2009. Inter-comparison of surface, ground based total column and satellite measurements of the isotopic composition of water vapour, In A. Koppmann, et al., (eds.) European Geophysical Union (EGU) General Assembly 2009, Vienna, Austria, 19 – 24 April 2009.
47. Parkes, S.D., A.G. Williams, A. Element, and D.W.T. Griffith, 2009. A study of the evolution of the stable isotope signature of water vapour during the passage of synoptic low pressure systems over Sydney, Australia, In A. Koppmann, et al., (eds.) European Geophysical Union (EGU) General Assembly 2009, Vienna, Austria, 19 – 24 April 2009.
48. Griffiths, A. D., W. Zahorowski, A. Element, and S. Werczynski, 2009. A continental radon flux map for Australia. European Geosciences Union (EGU) General Assembly 2009, Vienna, Austria, 19 – 24 April 2009
49. Williams, A. G., W. Zahorowski, S. Chambers, A. D. Griffiths, P. Schelander, A. Element, and S. Werczynski, 2009. Radon as a tracer of mixing in terrestrial convective boundary layers. European Geosciences Union (EGU) General Assembly 2009, Vienna, Austria, 19 – 24 April 2009
50. Zahorowski, W., S. Chambers and A. G. Williams, 2009. Naturally occurring radioactive tracers in the atmosphere. Australian Tropical Atmospheric Research Station Workshop; CSIRO Marine & Atmospheric Research, Aspendale, 5-6 May 2009
51. Rolf Neubert, Ingeborg Levin, Ernesto Kettner and Wlodek Zahorowski. A long-term intercomparison experiment of two frequently-used atmospheric radon-222 monitors. IAEA/WMO Technical Meeting on Sources and Measurements of Radon and Radon Progeny Applied to Climate and Air Quality Studies, 22 – 24 June 2009, IAEA Headquarters, Vienna, Austria
52. Bart Verheggen, Alex Vermeulen, Rob Rodink and Wlodek Zahorowski. Tall tower observations and atmospheric transport modeling of radon. IAEA/WMO Technical Meeting on Sources and Measurements of Radon and Radon Progeny Applied to Climate and Air Quality Studies, 22 – 24 June 2009, IAEA Headquarters, Vienna, Austria
53. Parkes, S.D., Williams, A.G., Element, A., McCabe, M.F., and Griffith, D.W.T., 2009: 'The stable isotope signature of water vapour near Sydney, Australia'. Poster in Joint Session C.

Proc. 6th International Scientific Conference on the Global Energy and Water Cycle and 2nd Integrated Land Ecosystem - Atmosphere Processes Study Science Conference, Melbourne 24-28 August 2009, 344-345.

54. Tadros, C., Haverd, V., Griffith, D.W.T., Parkes, S.D., and Williams, A.G., 2009: 'Monitoring stable isotopes in the biosphere and atmosphere: High resolution field data'. Poster in iLEAPS Session 1. Proc. 6th International Scientific Conference on the Global Energy and Water Cycle and 2nd Integrated Land Ecosystem - Atmosphere Processes Study Science Conference, Melbourne 24-28 August 2009, 93-94.
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56. R.M. Law, P.K. Patra, P.B. Krummel, L.P. Steele, W. Zahorowski. Diurnal and synoptic variations in atmospheric CO₂: a model dataset for comparison with in-situ observations. Extended abstract for the 8th International Carbon Dioxide Conference, September 13-19, Jena, Germany
57. A. Griffiths, W. Zahorowski, A. Element, and S. Werczynski. Radon-222 flux density from the Australian Land Surface. Cape Grim Baseline Air Pollution Station Annual Science Meeting 2008, 3-4 December, 2009, Abstracts (Paul Krummel and Nada Derek (Eds)), p15.
58. A.G. Williams, W. Zahorowski, S. Chambers, A. Element, S. Werczynski, and A. Griffiths. Towards a more realistic estimation of total boundary layer radon when only surface-based measurements are available. Cape Grim Baseline Air Pollution Station Annual Science Meeting 2008, 3-4 December, 2009, Abstracts (Paul Krummel and Nada Derek (Eds)), p16
59. S. Chambers, W. Zahorowski, A.G. Williams and A. Griffiths. 222Rn gradient measurements at Lucas Heights – Some New results. Cape Grim Baseline Air Pollution Station Annual Science Meeting 2008, 3-4 December, 2009, Abstracts (Paul Krummel and Nada Derek (Eds)), p18.
60. R.M. Law, L.P. Steele, P.K. Krummel and W. Zahorowski. Modelling synoptic variations of carbon dioxide and radon at Cape Grim: results from a TRANSCOM experiment. Cape Grim Baseline Air Pollution Station Annual Science Meeting 2008, 3-4 December, 2009, Abstracts (Paul Krummel and Nada Derek (Eds)), p10.
61. D. Fink, P. Williams, P. Augustinus, J. Shulmeister, Southern Hemisphere millennial glaciations during the past 30 ka driven by Antarctic ice sheet variability, 4th Australasian INTIMATE PaleoClimate Workshop, Wellington, NZ, May 2009
62. H. Rother, D. Fink, J. Shulmeister, M. Evans, Detailed surface exposure age chronology for last glacial sequences in the Rangitata and Waimakariri Valleys, South Island, New Zealand, 4th Australasian INTIMATE PaleoClimate Workshop, Wellington, NZ, May 2009
63. D. Fink, H. Rother and J. Shulmeister, Late-glacial re-advance during the Last Glacial-Interglacial Transition; revisiting the Misery moraines in the Southern Alps of New Zealand, 4th Australasian INTIMATE PaleoClimate Workshop, Wellington, NZ, May 2009.
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66. Shulmeister, D. Fink, O. Hyatt, G. Thackray, H Rother, Re-evaluating the deglacial sequence in New Zealand – sudden ice collapse or gradual retreat? 4th Australasian INTIMATE PaleoClimate Workshop, Wellington, NZ, May 2009
67. D. Fink, Q Hua, L J. Clarke, S Robinson, Growth rate of Antarctic mosses derived from bomb radiocarbon, 20th Int Radiocarbon Conf, Hawaii, USA, Jun 2009
68. V. Levchenko, D. Fink, B. Opdyke, C. Mifsud, A. Williams, C. Klootwijk, An improved radiocarbon chronology for MD-982167, eastern Indian Ocean: synchronising paleomagnetic intensity and ^{10}Be across the Laschamp event, 20th Int Radiocarbon Conf, Hawaii, USA, Jun 2009
69. J. Shulmeister, O. Hyatt, H. Rother, D. Evans, G. Thackray, D. Fink, The geomorphology of glacial retreats in New Zealand and implications for the last deglaciation, 7th International Conf on Geomorphology, Melbourne , Australia, July 2009
70. M. Quigley, D. Fink, B. Kohn, M. Sandiford, Tectonic over climatic control on bedrock erosion: insights from a continent-wide cosmogenic nuclide database, 7th International Conf on Geomorphology, Melbourne , Australia, July 2009
71. P. Augustinus, J. Hellstrom, D. Fink, D. Fabel, Radiometric dating of glacial advances, Rennick Glacier, Antarctica: implications for subglacial conditions, 7th International Conf on Geomorphology, Melbourne , Australia, July 2009
72. U. Stockmann, A. McBratney, B. Minasny, D. Fink, C. Mifsud, Quantifying the Rate of Soil Formation in the Landscape, 7th International Conf on Geomorphology, Melbourne , Australia, July 2009
73. D. White, R. Fulop, P. Bishop, D. Fink, A. Mackintosh, G. Cook, Application of in-situ cosmogenic ^{14}C to constrain Antarctic geomorphic processes, 7th International Conf on Geomorphology, Melbourne , Australia, July 2009
74. A. Switzer, D. Fink, A. Felton, K. Crook, The age of the coastal cliff-top platform and boulders at Little Beecroft Head, southeast Australia, 7th International Conf on Geomorphology, Melbourne , Australia, July 2009
75. H. McGregor, J. Hellstrom, C. Woodroffe, D. Fink, Q. Hua, J-X. Zhao, Age ‘range finding’ of Kiritimati (Christmas) Island fossil microatolls: an effective and rapid age dating method for climate and sea-level reconstruction. Consortium of Ocean Geosciences Biannual Meeting, Perth, Australia, July 2009.
76. B.Storey, D.Hood, D. Fink, J. Shulmeister, M. Riger-Kusk, The size of the West Antarctic Ice sheet at the Last Glacial Maximum; new constraints from the Darwin-Hatherton glacial system in the Transantarctic Mountains, Annual Antarctica NZ conference, Auckland , July 15-17, 2009
77. A Mackintosh, E Domack, N. Colledge, R. Dunbar, A. Leventer, D. White, D. Fink, D. Gore, C. Lavoie, Last Major Retreat of Antarctic ice sheets forced by sea level rise and ocean warming, Antarctic Climate Environment Symposium, Grenada, Spain, Nov 2009.

78. The use of ²⁶Al Accelerator Mass Spectrometry to investigate aluminium chemistry in coastal lowland acid sulfate soils, R. Collins, D. Fink, C. Mifsud, T.E. Paynea and T.D. Waite, Nuclear techniques of Analysis Conf, Sydney, Dec 2009.
79. A bright future for Accelerator Science at ANSTO, M.A.C. Hotchkis, D.P. Child, D. Cohen, J. Dodson, D. Fink, D. Garton, Q. Hua, M. Ionescu, G.E. Jacobsen, V. Levchenko, C. Mifsud, R. Siegele, A.M. Smith, A. Williams and S. Winkler, NCTA Conference, Sydney, Australia, Dec 2009
80. Cosmogenic samarium-150 and calcium-41 in norton county: D. Fink, J. Klein² R. Middleton, A. Albrecht, P. Ma, G. F. Herzog, D. D. Bogard, L. E. Nyquist, C.-Y. Shih, Y. Reese, and D. H. Garrison, J. Masarik, R. C. Reedy, G. Rugel, T. Faestermann, and G. Korschinek, Lunar Planet.Sci.Conf, 40 (2009).
81. Kosnik, M., Q. Hua, D.S. Kaufman, and R.A. Wüst, Shell half-lives in Great Barrier Reef sediment, The 9th North American Paleontological Convention, 21-26 Jun 2009, Cincinnati, Ohio, USA.
82. Hua, Q., M. Weisler and J.-x. Zhao, Late Holocene ΔR values for Hawaii derived from U-Th dated archaeological corals, The 20th International Radiocarbon Conference, 31 May – 5 Jun 2009, Hawaii, USA.
83. Jacobsen, G.E., L. Barry, F. Bertuch, Q. Hua, C. Mifsud, P. Pratap, N. Reilly, S. Varley and A. Williams, ANSTO AMS Facility sample processing and target preparation: An update, The 20th International Radiocarbon Conference, 31 May – 5 Jun 2009, Hawaii, USA.
84. Smith, A.M., B. Yang, Q. Hua and M. Mann, Laser-heated microfurnace – gas analysis and graphite morphology, The 20th International Radiocarbon Conference, 31 May – 5 Jun 2009, Hawaii, USA.
85. Hua, Q., Radiocarbon in tree rings and its applications, Lecture at Center for Chronological Research, Nagoya University, 10 Apr 2009, Nagoya, Japan.
86. 10. Hua, Q., Target preparation and AMS analysis for microgram radiocarbon samples, Lecture at Center for Chronological Research, Nagoya University, 31 Mar 2009, Nagoya, Japan.
87. Hua, Q., Applications of AMS in earth sciences, Lecture at Department of Earth and Planetary Science, University of Tokyo, 19 Mar 2009, Tokyo, Japan.
88. Hua, Q., ANSTO AMS facility and recent applications, Lecture at the Tandem Accelerator Complex, Institute of Physics, University of Tsukuba, 18 Mar 2009, Tsukuba, Japan.
89. 14. Hua, Q., AMS at ANSTO and its applications, Lecture at Center for Chronological Research, Nagoya University, 27 Feb 2009, Nagoya, Japan.
90. Late Pleistocene onset of monsoonal rain and abrupt strengthening of ENSO 3,900 cal yrs BP recorded by diatomaceous sediments from dry tropical Australia, R.A.J. Wust, A. Shemesh, P. Ridd, J. Stephenson, G. Jacobsen & A. Smith, Australasian-INTIMATE Workshop, Museum of New Zealand, Wellington, 16th - 17th May 2009 (oral presentation, draft manuscript expected by end May'09, unsure of journal).

91. Lake levels on mega-Frome in central Australia: evidence of late Quaternary climate change, T.J. Cohen, G.C. Nanson, B.J. Jones and A. Smith and D. Price, Australasian-INTIMATE Workshop, Museum of New Zealand, Wellington, 16th - 17th May 2009
92. Testing the Utility of Ice Core Records of ^{10}Be as Proxy Indicators of Past Ground Level Enhancements in Cosmic Rays, Joel. B. Pedro, Andrew. M. Smith, Tas. D. van Ommen, Marc. L. Duldig and Mark A.J. Curran, abstract submitted for AOGS 2009, 11th -15th August 2009, Singapore
93. Direct measurements in ice cores of early Antarctic lead pollution using ultra-clean techniques coupled with thermal ionization mass spectrometry, Laurie J. Burn, Kevin J. R. Rosman, Paul Vallelonga, Graeme R. Burton, Jean-Pierre Candelone, Andrew M. Smith and Vin Morgan, ANZSMS 22, 22nd biennial mass spectrometry conference in Australia and New Zealand, 27th – 30th January 2009, Sydney
94. H. Foerstendorf, K. Müller, T. Meusel, V. Brendler, M. J. Comarmond, T. E. Payne, G. Lefèvre. Sorption of U(VI) Onto TiO_2 . A Vibrational Spectroscopic Analysis of the Sorption Processes. 12th International Conference on Chemistry and Migration Behaviour of Actinides and Fission Products in the Geosphere (Migration '09, Kennewick, USA, Sep 20 to 25, 2009
95. H. Heijnis et al., Australia (INVITED TALK) ^{210}Pb , ^{226}Ra , ^7Be and ^{137}Cs analysis in terrestrial archives of environmental change in the Pacific region of the Southern Hemisphere A tale of small fluxes in a variable climate.(International Topical Conference on Polonium and Radioactive Lead Isotopes, Seville, Spain (Oct 2009)).
96. H. Heijnis et al., Australia (INVITED TALK) ^{210}Pb , ^{226}Ra , ^7Be and ^{137}Cs analysis in terrestrial archives of environmental change in the Pacific region of the Southern Hemisphere – A tale of small fluxes in a variable climate INTERNATIONAL 2009 :TOPICAL CONFERENCE POLONIUM AND RADIOACTIVE LEAD ISOTOPES 26 - 28 OCTOBER 2009 NATIONAL ACCELERATOR CENTRE SEVILLE, SPAIN
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