

Oral Programme

Monday 21 March 2011	
Session 1 – Soundings Theatre	
09:00	Opening
09:30	FOR#1 Mayer: Can Minor Constituents Tell a Major Story in Nuclear Forensics?
10:15	GLO#1 Manning: ^{14}CO : The key indicator for atmospheric chemistry and climate change
11:00 - 11:30	Break
Session 2A – Rangimarie	Session 2B – Soundings Theatre
11:30	EAR#1 Argento: Utilizing MCNPX and excitation functions to investigate boundary effects and shielding corrections for cosmogenic nuclide production rates
11:50	EAR#2 Braucher: Why are depth profiles promising?
12:10	EAR#3 De Pascale: Preliminary erosion rates and characterisation of Quaternary faults using field mapping and cosmogenic dating techniques in the Dry Valleys, Antarctica
12:30	EAR#4 Granger: Isochron burial dating of fluvial gravel deposits
12:50 – 14:00	Lunch
Session 3A – Rangimarie	Session 3B – Soundings Theatre
14:00	EAR#5 Hua: Variations in Marine Reservoir Corrections for The Great Barrier Reef during The Last 7000 years
14:20	EAR#6 Nakanishi: Radiocarbon reservoir effect from shell and plant pairs in the Holocene sediments around the Yeongsan River, Korea
14:40	EAR#7 Bräuer: Carbon Dynamics under Paddy Management
15:00	EAR#8 Sakaguchi: Feasibility using ^{236}U to reconstruct close-in fallout deposition from the Hiroshima Atomic Bomb
15:20	EAR#9 Sugiyama: Chemical speciation of metal elements in ferromanganese crusts
15:40	Into bus / No break
16:00 – 18:00	NIC lab visit

Tuesday 22 March 2011		
Session 4 – Soundings Theatre		
09:00	EAR#10 Tims: Plutonium isotope measurements from across continental Australia	
09:20	GLO#2 Winkler: Measurement of $^{236}\text{U}/^{238}\text{U}$ in corals as a proxy for anthropogenic and pre-anthropogenic ^{236}U in ocean waters	
9:40	EAR#11 Szidat: Compound-specific ^{14}C analysis of acidic aerosol components	
10:00	GLO#3 Quigley: Cosmogenic dating of the oldest landscapes on Earth: tectonic, climatic, and biological implications	
10:20	GLO#4 Fink: Constraints on ice volume changes of the West Antarctic Ice Sheet and Ross Ice Shelf since the LGM based on cosmogenic exposure ages	
10:40 - 11:10	Break	
Session 5A – Rangimarie	Session 5B – Soundings Theatre	
11:10	GLO#5 Baisden: Using 50 Years of Soil Radiocarbon Data to Identify Optimal Approaches for Estimating Soil Carbon Residence Times	TEC#10 Lachner: AMS of ^{236}U at low energies: Highly efficient performance and first detection of UH_3^+ and ThH_3^+ molecules
11:30	GLO#6 Zhou: Turnover of organic carbon in temperate grassland soil profiles from Northern China	TEC#11 Fifield: Recent developments in the AMS measurement of ^{236}U and ^{36}Cl at the Australian National University
11:50	GLO#7 Uchida: Radiocarbon Based Organic Carbon Source Identification of Soil Respired CO_2 under Soil Warming in a Cultivated Andisol	TEC#12 Vogel: Absolute carbon isotope ratios by AMS
12:10	GLO#8 Xu: Potential Use of Chia Plant As An Alternative Sampling Method for Atmospheric $^{14}\text{CO}_2$	TEC#13 Jiang: An absolute AMS method for determination of ^{79}Se half-life
12:30	GLO#9 Levchenko: NEEM, North West Greenland firn air timescale calibration with the $^{14}\text{CO}_2$ bomb-pulse	REP#1 Klein: A novel 3 MV multi-element AMS system
12:50 – 14:00	Lunch	
Poster Session 1 – Oceania		
15:40 – 16:00	Break	
Session 6A – Rangimarie	Session 6B – Soundings Theatre	
16:00	GLO#10 Rakowski: Radiocarbon method in environmental monitoring of CO_2 emission	REP#2 Akhmadaliev: The new 6 MV-AMS-facility DREAMS at Dresden, Germany
16:20	GLO#11 Hou: Speciation Analysis for ^{129}I and ^{127}I in Air and its Tracer Application in Geochemical Cycle of Stable Iodine	REP#3 Chopra: A New AMS Facility at Inter University Accelerator Centre, NewDelhi, India
16:40	EAR#12 Buchholz: Anomalous Elevated Radiocarbon Measurements of $\text{PM}_{2.5}$	REP#4 Zondervan: One year of operation with XCAMS, the 0.5 MV Pelletron Compact ^{14}C AMS eXtended for ^{10}Be and ^{26}Al at New Zealand's National Isotope Centre
17:00	EAR#13 Kretschmer: Investigation of the Origin of Environmental Compounds from Indoor Air Samples via AMS	REP#5 Korschinek: Accelerator mass spectrometry at the Munich Tandem accelerator
17:20 – 17:40	EAR#14 Oinonen: AMS biocarbon measurements - from liquid fuels to flue gases	REP#6 Caffee: Accelerator Mass Spectrometry at Purdue University PRIME Lab

Wednesday 23 March 2011		
Session 7 – Soundings Theatre		
09:00	TEC#14 Suter: Including scattering and molecular dissociation in ion optics calculation for AMS	
09:20	TEC#15 Synal: Reducing Size and Complexity of Radiocarbon Detection Systems	
9:40	TEC#16 Zhao: Preliminary Studies of Pu Measurement by AMS using PuF4-	
10:00	EAR#15 Lal: A catchment level study of soil erosion and soil formation rates using ^{239}Pu and ^{10}Be , in the wet-dry tropics of northern Australia	
10:20	EAR#16 Li: AMS radiocarbon dating on the Taal Lake cores of central Philippines	
10:40 - 11:10	Break	
Session 8A – Rangimarie	Session 8B – Soundings Theatre	
11:10	EAR#17 Herod: The dispersion of ^{129}I in the northwest Canadian Arctic and southern Canada	REP#7 Dewald: CologneAMS, a dedicated Centre for Accelerator Mass Spectrometry in Germany
11:30	EAR#18 Matsuzaki: Study for natural iodine isotope system: - Implication from $^{129}\text{I}/^{127}\text{I}$ depth profiles of Indian ocean	REP#8 Wilcken: SUERC ^{36}Cl AMS
11:50	EAR#19 Mahara: Pore-water mobility: distribution of $\delta^{37}\text{Cl}$, $^{36}\text{Cl}/\text{Cl}$ ratio and dissolved ^4He concentration in the core drilled in the Mobarra Gas Field, Japan	REP#9 Jiang: Major Programs of AMS laboratory at CIAE in recent 12 years
12:10	EAR#20 Kadokura: Distribution of ^{236}U in Japan Sea: Feasibility of ^{236}U as a tracer of water masses in ocean	SAM#1 Merchel: The role of chemistry in setting-up a new AMS facility
12:30	EAR#21 Muramatsu: Determinations of iodine and $^{129}\text{I}/^{127}\text{I}$ ratios in hot springs around the Kusatsu-Shirane hydrothermal systems, Japan	SAM#2 Jiang: Progress in measurement of ^{182}Hf with AMS at CIAE
12:50 – 14:00	Lunch	
Session 9A – Rangimarie	Session 9B – Soundings Theatre	
14:00	GLO#12 Caffee: Evaluating cosmogenic exposure ages of boulders from glacial deposits	SAM#3 Hou: Separation of microgram carrier free iodine from geological and environmental samples for AMS determination of ultra low level ^{129}I
14:20	GLO#13 Norton: Quantifying geomorphic process rates in Alpine landscapes with cosmogenic nuclides	SAM#4 Fernandes: Screening criteria for the radiocarbon dating of bone apatite
14:40	GLO#14 Kim: Pleistocene and environmental change of the Potrok Aike, Argentina using beryllium isotopes	SAM#5 Boudin: Development of a nanofiltration method for bone collagen dating
15:00	GLO#15 Fink: Overturned mega boulders on coastal cliff-tops and in bedrock river channels : can cosmogenic nuclides constrain tsunami and palaeo-flood events in Australia?	SAM#6 Rebollo: Influence of pH changes on graphitic components in Archaeological Charcoal
15:20	GLO#16 Joy: In-situ cosmogenic exposure dating in the Meirs and Garwood Valleys, Denton Hills, Antarctica	SAM#7 Culp: Compound Specific Radiocarbon Content of Lignin Oxidation Products from the Altamaha River and Coastal Georgia
15:40 – 16:00	Into bus - Break	
16:00 – 18:00	Excursion to Zealandia	

Thursday 24 March 2011	
Session 10 – Sounding Theatre	
09:00	TEC#17 Kieser: On-line Ion Chemistry for the AMS Analysis of 90Sr and 135,137Cs
09:20	REP#10 Smith: Strange bedfellows: the curious case of STAR and MOATA
09:40	REP#11 Wacker: A versatile gas interface for routine radiocarbon analyses with a gas ion source
10:00	REP#12 Zoppi: Can biomedical and traditional applications of radiocarbon dating co-exist at the same AMS facility?
10:20	LIF#1 Buchholz: Bomb-Pulse Biology
10:40 - 11:10	Break
Session 11A – Rangimarie	Session 11B – Soundings Theatre
11:10	LIF#2 Salehpour: Biological Accelerator Mass Spectrometry at Uppsala University
11:30	LIF#3 Liebl: ¹⁴ C bomb peak dating of human DNA samples at the microgram level
11:50	ARC#1 Terrasi: Accelerator Mass Spectrometry ¹⁴ C Dating of Lime Mortars: Methodological Aspects and Field Study Application at CIRCE (Italy)
12:10	ARC#2 Kim: The Radiocarbon Ages of Sorori Ancient Rice of Korea
12:30	ARC#3 Nakamura: Duration period of shell midden estimated by radiocarbon dates: two examples at Higashimyo site, southern Japan and Kime site, southern Korea
12:50 – 14:00	Lunch
Poster Session 2 – Oceania	
15:40 - 16:00	Into bus / No break
16:00 – 23:00	Coastal tour & dinner

Friday 25 March 2011															
Session 12 – Soundings Theatre															
09:00	SAM#8 Molnár: ^{14}C analysis of groundwater down to the milliliter level														
09:20	ARC#4 Calcagnile: Ion Beam Analysis and AMS ^{14}C dating as complementary tools in cultural heritage diagnostics														
09:40	ARC#5 Luis: Measurement of lead isotopic ratios using Micro-AMS														
10:00	CAL#7 Nadeau: Calculation of the compounded uncertainty of ^{14}C AMS measurements														
10:20	AST#6 Nishiizumi: Measurements of high-energy neutron cross sections for cosmogenic nuclides														
10:40 - 11:10	Break														
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12:50 – 14:00	Lunch														
Session 14 – Soundings Theatre															
14:00	AST#7 Kutschera: Pushing the Limits in Searches for Superheavy Elements in Nature														
14:20	FOR#7 Wallner: A novel approach for neutron-capture studies of ^{235}U and ^{238}U														
14:40	Summary														
15:40 - 16:00	Break														
Session 15 – Soundings Theatre															
16:00	Business														
16:30	AMS-13 bids														
17:00 – 17:30	Closing														

List of Posters

Poster Session 1 – Oceania Room		
Tuesday 22 March 2011, 14:00 – 15:40		
EAR#P101	Berggren	Tracing water masses in the Baltic Sea by iodine speciation
EAR#P102	Calcagnile	Application of ^{14}C AMS measurements for the determination of the Bio-Based content in polymers and industrial flue gases
EAR#P103	Christl	First data of Uranium-236 in the Atlantic Ocean
EAR#P104	Fallon	Bomb Radiocarbon at the Source: Coral $\Delta^{14}\text{C}$ from Enewetak Atoll during the 1950s
EAR#P105	Fernández Niello	^{129}I concentration measurements in animal thyroid from Argentina
EAR#P106	Gomez Guzman	AMS measurements of ^{129}I in seawater around Iceland and Irminger Sea
EAR#P107	Heinemeier	Reservoir age variations and stable isotope values of bulk sediment in a core from the Limfjord, Denmark
EAR#P108	Jiang	Methodological study on exposure date of Tiankeng by means of measurement of in-situ produced cosmogenic ^{36}Cl
EAR#P109	Kim	Dating of aeolian sand deposits in Korea using OSL and ^{10}Be
EAR#P110	Kim	Investigation of Dashgil mud volcano using Beryllium-10
EAR#P111	Kim	Investigation of ^7Be and ^3H in the rainwater of Korea
EAR#P112	Kitagawa	Intercomparison study with radionuclides ^{129}I , ^{36}Cl , and ^{137}Cs in soils
EAR#P113	Kumata	Compound Class Specific Radiocarbon Analysis (CCSRA) of PAHs from Highly Contaminated Kolkata Canal Sediments
EAR#P114	Miyata	Reconstruction of carbon cycle induced from apparent radiocarbon age difference from middle to late Holocene at Lake Biwa, Japan: freshwater reservoir effect estimated from archaeological and biological samples
EAR#P115	Murayama	Sedimentation rate and deposition processes of organic materials from surface cores off Shikoku, western north Pacific
EAR#P116	Nagai	Distribution of ^7Be and ^{10}Be in the Pacific and Southern Oceans
EAR#P117	Okuno	AMS radiocarbon dating of wood trunks buried by the Kikai-Akahoya eruption in Yakushima Island, SW Japan
EAR#P118	Park	Distributions of Fossil fuel origin CO_2 in the five Metropolis (Seoul, Busan, Daegu, Daejeon, Gwangju)
EAR#P119	Santos	A study of the Suess effect using a raised peat bog as historical archive
EAR#P120	Sueki	Isotope ratios of $^{36}\text{Cl}/\text{Cl}$ in surface soils at the equal-latitude in Japan
EAR#P121	Toyama	Studies on the secular variation of $^{129}\text{I}/^{127}\text{I}$ ratios in atmospheric fallout in Tokyo and Akita using AMS
EAR#P122	Watanabe	Measurement of isotope ratios $^{129}\text{I}/^{127}\text{I}$ of Hokkaido hot springs water
EAR#P123	Zhou	A Case Study of Radioisotope ^{129}I Environmental Tracing Using Xi'an Accelerator Mass Spectrometry
EAR#P124	Shinozaki	Radiocarbon dating of peat archives using plant cellulose for the reconstruction of past environmental changes
TEC#P101	Calcagnile	Design features of the new multi isotope AMS beamline at CEDAD
TEC#P102	Daniel	Development of a Commercial Laser-Induced Combustion Interface to a CO_2 Ion Source for AMS
TEC#P103	Finkel	Improved ^{36}Cl Performance at the ASTER HVE 5 MV Accelerator Mass Spectrometer Facility
TEC#P104	Garwan	AMS Study of the Lanthanides
TEC#P105	Guilderson	3-4‰ AMS Radiocarbon Measurements Using Low Energy ^{12}C - Normalization: A Case for a "Simpler" (Accelerator) Mass Spectrometer

Poster Session 1 – Oceania Room

Tuesday 22 March 2011, 14:00 – 15:40

TEC#P106	He	AMS measurement of ^{32}Si at CIAE
TEC#P107	He	A method for ^{36}Cl measurement with high sensitivity
TEC#P108	Jiang	The measurement of ^{92}gNb with Accelerator Mass Spectrometry at CIAE
TEC#P109	Klein	A 1 MV multi-element AMS system for biomedical applications
TEC#P110	Klein	A low background upgrade for the HVE 1 MV multi-element AMS system
TEC#P111	Korschinek	Search for Superheavy Elements in Nature
TEC#P112	Korschinek	Charge state distribution studies of SrF_3 , MnF_3 and CaF_3 molecules using single and double stripper in a Tandem Accelerator
TEC#P113	Nottoli	The physics behind the isobar separation of ^{36}Cl and ^{10}Be at the AMS facility ASTER
TEC#P114	Pardo	Laser Ablation Accelerator Mass Spectrometry of Actinides with an ECRIS and Linear Acceleration
TEC#P115	Salazar	Optimization of Direct Ionization of CO_2 by Controlling the Gas flow inside of a Beam-Target.
TEC#P116	Szidat	Improving and understanding a gas ion source for ^{14}C AMS
TEC#P117	Tikkanen	Fast isotope switching and ion beam diagnostics
TEC#P118	Tumey	The feasibility of isobaric suppression of ^{26}Mg via post-accelerator foil stripping for the measurement of ^{26}Al .
TEC#P119	Vockenhuber	A new 2D sensitive detector setup for ^{36}Cl AMS at ETH Zürich
TEC#P120	Wacker	Direct coupling of a laser ablation cell to an AMS
TEC#P121	Wilcken	Further studies of a bi-polar single-stage accelerator mass spectrometer
TEC#P122	Zhao	Partial Fragmentation of CaF_3^- at Low Tandem Energies and its Potential Use for ^{41}Ca Measurement
GLO#P101	Berggren	A comparison of annually resolved varved lake sediment and ice core ^{10}Be and sunspot data
GLO#P102	Berggren	Global distribution of ^{129}I in the marine waters
GLO#P103	Berggren	Variability of ^{10}Be and $\delta^{18}\text{O}$ in snow in Greenland and Antarctica
GLO#P104	Caffee	^{10}Be depth profile in top 575 m of the West Antarctic Ice Sheet Divide core
GLO#P105	Caffee	Cosmic-Ray Produced Nuclide Systematics on Earth Project
GLO#P106	Horiuchi	^{10}Be and ^{26}Al records of the past 3 kyr from Dome Fuji (Antarctica) ice core
GLO#P107	Inoue	Studies on annual variation of $^{14}\text{C}/^{12}\text{C}$ ratios in plant samples by AMS
GLO#P108	Ise	Constructing a Depth-Stratified Model for Soil Organic Carbon: a Brand-new, Integrated Ecosystem Model with Radiocarbon Tracking
GLO#P109	Kondo	Radiocarbon constraints for soil carbon accumulation and carbon release of arctic and boreal soil in Alaska
GLO#P110	Kumamoto	Radiocarbon from repeat hydrography along WOCE lines in the Pacific Ocean during the 2000s
GLO#P111	Kurosumi	A fluctuation of ^{36}Cl depositional flux recorded around 11 ka in an Antarctic ice core: implication to the enhanced cosmic-ray intensity around 11 ka
GLO#P112	Piotrowska	Modelling of calendar timescales for laminated lake sediments in Northern Poland
GLO#P113	Povinec	Iodine-129 and ^{14}C as world-wide tracers of water masses in the Ocean
GLO#P114	Sagawa	Intermediate ventilation change and its relation to the surface environmental change from the last glacial maximum in the western North Pacific
GLO#P115	Sasa	^{36}Cl profiles in the Dome Fuji ice core during the last deglaciation

Poster Session 1 – Oceania Room

Tuesday 22 March 2011, 14:00 – 15:40

GLO#P116	Suganuma	Deglaciation history of Sor Rondane Mountains in Dronning Maud Land, East Antarctica
GLO#P117	Suzuki	Concentrations of iodine-129 at the subarctic and subtropical circulations in the Japan Sea
GLO#P118	Uchida	Northwest Pacific mid-depth ventilation changes during the Holocene and their link to global climate changes
GLO#P119	Wagai	Carbon pools of contrasting ^{14}C age within a Japanese volcanic-ash soil
GLO#P120	Watanabe	A chronology of PY608E sediment core (Lake Pumoyum Co, south Tibetan plateau) on the basis of radiocarbon dating of total organic carbon
GLO#P121	Xi	DELTA ^{14}C Level of Annual Plants and Fossil Fuel Derived CO_2 Distribution in Different Regions of China
GLO#P122	Yamagata	Decadal variations of the atmospheric concentrations of ^7Be and ^{10}Be : as tracers for stratosphere-troposphere exchange intensity
REP#P101	Arnold	Status of the French accelerator mass spectrometry facility ASTER after 4 years
REP#P102	Barešić	Status report on target preparation for ^{14}C AMS dating in the Zagreb Radiocarbon Laboratory
REP#P103	Brown	Current Status and Ion Source and Beamline Developments at LLNL's Center for Accelerator Mass Spectrometry
REP#P104	Choe	A study of thermal ionization for the HVEE 846 ion source
REP#P105	Culp	A Decade of AMS at the University of Georgia
REP#P106	Guettler	Accelerator-SIMS for isotopic analysis of trace elements
REP#P107	Heinze	A new BPM-TOF system for CologneAMS
REP#P108	James	When size really does matter; measurement of ultra-small samples at the ANU Radiocarbon Dating Laboratory
REP#P109	Kokubu	Current status and future plans for the AMS facility at the Tono Geoscience Center of Japan Atomic Energy Agency
REP#P110	Kromer	Status report : The Mannheim AMS facility (MAMS)
REP#P111	Kubik	Performance parameters and standard reference materials at the ETH AMS facilities
REP#P112	Longworth	Status and Plans for the National Ocean Sciences AMS (NOSAMS) Facility
REP#P113	Minami	A first step toward small-mass AMS radiocarbon analysis at Nagoya University
REP#P114	Moreau	ARTEMIS : ^{14}C AMS Facility – Status report
REP#P115	Priller	Refining the performance of VERA for actinide AMS
REP#P116	Rethemeyer	Sample preparation facilities for ^{14}C analysis at the new CologneAMS center
REP#P117	Roberts	A gas-accepting ion source for Accelerator Mass Spectrometry: Progress and Applications
REP#P118	Xu	^{10}Be and ^{26}Al measurements at the SUERC 5MV AMS
REP#P119	Tokanai	A new AMS facility at Yamagata University

Poster Session 2 – Oceania Room

Thursday 24 March 2011, 14:00 – 15:40

REP#P120	Guettler	High precision ^{14}C AMS-analysis of oak tree rings - Can we observe a modulation of the ^{14}C content according to the 11 years solar cycle?
REP#P121	Matsuzaki	Summary of current AMS system and research projects at MALT, The University of Tokyo
REP#P122	Ognibene	Installation of hybrid ion source on the 1-MV LLNL BioAMS spectrometer
REP#P123	Park	Status of the 1MV AMS facility at KIGAM
REP#P124	Piotrowska	Status report of AMS preparation laboratory at GADAM Centre, Gliwice, Poland
REP#P125	Sasa	Progress on ^{36}Cl AMS with the 12UD Pelletron tandem accelerator at the University of Tsukuba
REP#P126	Fallon	Three years on: an update on the ANU SSAMS
REP#P127	Uchida	Recent advances of radiocarbon measurements at NIES TERRA
REP#P128	Meigikos dos Anjos	A new ^{14}C -AMS facility at UFF, Niterói, Brazil
AST#P101	Bowers	^{36}Cl Cross Section Measurement for In-situ Production in the Early Solar System
AST#P102	Lu	^{93}Zr beam development for AMS measurement
AST#P103	Luis	Determination of the detection limits for the $^{36}\text{Cl}/^{35}\text{Cl}$ isotopic ratio in AgCl pellets in the micro AMS system at ITN.
AST#P104	Paul	High-Sensitivity Detection of ^{244}Pu via Electron-Cyclotron Resonance Ionization and Linear Acceleration
AST#P105	Sekimoto	Measurements of light nuclides production cross sections for Cu and Y with 300 MeV proton
AST#P106	Wallner	Nuclear astrophysics and nuclear physics programme at VERA
AST#P107	Wallner	Stable Isotope Measurements in Presolar Grains
FOR#P101	dos Santos	Can we blame discrepancies of year-of-birth ^{14}C determination on Mom? Preliminary isotope results of fingernails of breastfed mother-infant pairs
FOR#P102	Lopez-Gutierrez	Long-lived radionuclides in residues from nuclear power plants operation and decommissioning
FOR#P103	Jiang	The AMS measurements of fission products at CIAE
FOR#P104	De Cesare	Actinides AMS at CIRCE and ^{236}U , xPu measurements at the Garigliano Nuclear Power Plant
FOR#P105	Chamizo	Measurement of Pu and U isotopes on the 1 MV AMS system at the Centro Nacional de Aceleradores
FOR#P106	Stan-Sion	AMS applied in the research for the first fusion reactor
SAM#P101	Granger	Preparation of aluminum metal targets for AMS analysis
SAM#P102	Christl	New Be-cathode preparation method for the ETH 6 MV Tandem
SAM#P103	Horiuchi	^{10}Be measurements at MALT for reduced size samples of bulk sediments
SAM#P104	Lachner	Carrier-free $^{10}\text{Be}/^9\text{Be}$ measurements with low energy AMS: Determination of sedimentation rates in the Arctic Ocean
SAM#P105	Simon	Reprocessing of ^{10}B -contaminated ^{10}Be AMS targets
SAM#P106	Child	A new method for separation and purification of beryllium and aluminium using the Eichrom DIPEX® resin
SAM#P107	Fink	Extraction and purification of quartz using phosphoric acid
SAM#P108	Fink	Improving the accuracy of aluminium assay in purified quartz for in situ cosmogenic exposure dating

Poster Session 2 – Oceania Room

Thursday 24 March 2011, 14:00 – 15:40

SAM#P109	Haack	3H BioAMS Sample Preparation at LLNL Using Septa Sealed Vials
SAM#P110	Ohta	Separation of ^{129}I and ^{127}I in pre-nuclear-era marine algae with ultra low $^{129}\text{I}/^{127}\text{I}$ isotopic ratios
SAM#P111	Baisden	Automated Combustion Interface for Routine Rafter Radiocarbon Samples on EA-CF-IRMS
SAM#P112	Calzolari	The sample preparation line for radiocarbon measurements on atmospheric aerosol at INFN-LABEC (Florence, Italy)
SAM#P113	Cherkinsky	AMS measurement of samples smaller than 300 microgram at Center for Applied Isotope Studies, University of Georgia.
SAM#P114	Czernik	Effect of HF leaching on ^{14}C dates of pottery
SAM#P115	D'Elia	The processing line for the extraction of dissolved inorganic carbon in seawater samples at CEDAD
SAM#P116	Fallon	An automated graphite preparation line for hydrogen or zinc reduced graphite
SAM#P117	Hajdas	Treatment for carbonate samples for radiocarbon dating
SAM#P118	Jacobsen	Radiocarbon Dating of linen from an Egyptian Mummy
SAM#P119	James	Lose 5,000 radiocarbon years in just one hour; improved backgrounds using zinc reduction for graphite target preparation
SAM#P120	Minami	Radiocarbon dating of VIRI bone samples using ultrafiltration method
SAM#P121	Miyata	Reproducibility in radiocarbon dating of carbonized materials adhering to pottery
SAM#P122	Moreau	Preparation and measurement of microgram samples with the ARTEMIS AMS facility in Saclay, France
SAM#P123	Nagasawa	Newly developed automatic graphitization system for AMS ^{14}C measurements
SAM#P124	Nawrocka	Preparation and AMS dating of charcoal samples from northern Poland
SAM#P125	Nishimoto	The detection of PEG using GC/MS for AMS radiocarbon dating of preserved wood
SAM#P126	Palonen	A modular sampling system for atmospheric and soil CO_2 samples
SAM#P127	Palonen	HASE - The Helsinki adaptive sample preparation line
SAM#P128	Pesonen	Elemental Analyzer combustion of liquid fuel samples for AMS biocarbon measurements
SAM#P129	Prior	Testing the effect of Sodium Polytungstate on pollen concentrate sample preparation procedures for AMS ^{14}C dating
SAM#P130	Rinyu	Optimization of sealed tube graphitization method for environmental ^{14}C studies using MICADAS
SAM#P131	Smith	Early results from the ANSTO/NIWA ^{14}C of atmospheric methane program
SAM#P132	Szidat	Radiocarbon measurements of carbonaceous aerosols: the new sample preparation line at University of Bern
SAM#P133	Takayanagi	CO_2 -laser decomposition method of carbonate for AMS ^{14}C measurements
SAM#P134	Tani	High-yield recovery of contamination-free organic matters from plant remains for AMS ^{14}C measurements
SAM#P135	Varley	Development and Characterisation of a Small Mass H_2/Fe Graphitisation Line
SAM#P136	Wacker	A novel approach to process carbonate samples for radiocarbon measurement
SAM#P137	Wacker	Cosmogenic in-situ ^{14}C analysis at ETH Zürich
SAM#P138	Wacker	Towards single-foraminifera-dating with a gas ion source
SAM#P139	Wood	Testing the ABOx-SC pretreatment protocol: Radiocarbon dating charcoal below the Campanian Ignimbrite tephra
SAM#P140	Wood	A comparison of ultrafilter membranes used in bone collagen pretreatment for radiocarbon dating

Poster Session 2 – Oceania Room

Thursday 24 March 2011, 14:00 – 15:40

SAM#P141	Yang	A cold finger cooling system for the efficient graphitisation of microgram-sized carbon samples
SAM#P142	Zermeño	Natural Radiocarbon Sample Preparation at LLNL/CAMS
CAL#P101	Baisden	Managing the Transition to ^{14}C AMS Operations and Calculations at Routine $\leq 0.2\%$ Precision
CAL#P102	Cherkinsky	Offset from SH calibration curve based on Chilean Fitzroya cupressoides tree ring dating in the range 1500-1950AD.
CAL#P103	Fedi	May ^{14}C be used to date Contemporary Art?
CAL#P104	Sakamoto	Wiggle-matching of wooden coffins of Kofun Period: supporting regional offsets on Japanese tree-ring from IntCal
CAL#P105	Taylor	Reviewing the Mid-First Millennium BC ^{14}C 'Warp' Using Decadal ^{14}C /Bristlecone Pine Data
CAL#P106	Xu	Homogeneity Evaluation of Chinese Sugar Carbon (CSC) Standard for AMS ^{14}C Measurement
ARC#P101	Ding	Investigation of Mi-deer fossil age in Qingdun site, Jiangsu Province, China
ARC#P102	Ding	Radiocarbon dating of lacustrine sediment from an impact crater in northeastern China
ARC#P103	Fernandes	Mussels with Meat
ARC#P104	Grootes	Edit Regine Cineres hic Sarcophagus Habet: Confirming the Identity of Queen Editha, Wife of Otto, the First German Emperor
ARC#P105	Guan	Radiocarbon dating of tomb in Hepu, China
ARC#P106	Hua	Reliable AMS Ages for Mayan Caches at Copán, Honduras based on Spondylus sp. Marine Shells
ARC#P107	Kretschmer	Historical and Climatological Research in the Himalaya Region by ^{14}C AMS Dating of Wooden Drill Cores from Historic Buildings.
ARC#P108	Kunikita	Age determination of Neolithic cultural change and dietary reconstruction in the Amur River basin
ARC#P109	Lee	C^{14} AMS dating Yongcheon cave
ARC#P110	Oda	Radiocarbon dating of ancient calligraphy attributed to Fujiwara Teika: The genuine handwritings, copies, and counterfeits of the famous calligraphist
ARC#P111	Zhu	The Research of Environmental Change, Archaeology and ^{14}C Chronology in Donglongshan, Shaanxi Province, China
ARC#P112	Zoppi	The dating of the Seattle Art Museum's Italian room
LIF#P101	Jiang	Study on bone resorption behavior of osteoclast under drug effect using ^{41}Ca tracing
LIF#P102	Kim	Tracing oil spilled environment, Taean, Korea using radiocarbon and stable isotopes
LIF#P103	Patrut	AMS radiocarbon investigation of the African baobab
LIF#P104	Patrut	Old ages of historic Romanian trees assessed by AMS radiocarbon dating