14th International Conference on Nuclear Microprobe Technology and Applications

Tuesday, 8 July 2014

Poster Session with Cheese and Wine - Agorà (17:00 - 19:30)

Friday, 11 July 2014

Poster Session with Cheese and Wine (13:00 - 14:00)

[id] title	presenter	board
[23] P01 - Study of ion probe formation with high current density for micro irradiation techniques	Mr ROMANENKO, Oleksandr	1
[25] P02 - Ion optics of probe forming systems on the base of magnetic quadrupol lenses with conical aperture	e Mrs PONOMAROVA, Anna	2
[36] P03 - Improvement of compact ion microbeam focusing with the hundreds-keV three-stage acceleration lens system by optimizing the divergence angle of an incident beam	Dr KAMIYA, Tomihiro Dr ISHII, Yasuyuki	3
[21] P04 - High voltage scanning ion microscope: beam optic and design	Dr MAGILIN, Dmitry	4
[33] P05 - Five magnetic quadrupole lenses with four separated power supplies as one stage probeforming system of nuclear microprobe	Dr PONOMAROV, Artem	5
[50] P06 - New Microbeam Slit System for High Beam Currents	Mr VALLENTIN, Thomas	6
[52] P07 - Beam Transport of High Brightness Beam through a Tandem Accelerator for a High Energy Ion Microprobe	Mr MOSER, Marcus	7
[159] P08 - Setup and First Results of the New External Micro-beam of the 5SDH Tandem Accelerator at LAEC	Dr ROUMIE, Mohamad	8
[94] P09 - The FUDAN proton microbeam for sub-cellular irradiation	Prof. WANG, Xufei	9
[89] P10 - Upgrading the external microbeam facility at INFN-LABEC in Florence: PIXE with carbon microbeams and the forward scattering setup	CASTELLI, Lisa GIUNTINI, Lorenzo	10
[92] P11 - Fifteen years of the microbeam facility at the INFN-LABEC laboratory in Florence	CASTELLI, Lisa GIUNTINI, Lorenzo	11
[8] P12 - Use of a capillary microprobe for heavy ion microbeams in Ion Beam Analysis and MeV SIMS	Ms SCHULTE-BORCHERS, Martina	12
[9] P13 - Current measurement for low current microprobe techniques including MeV SIMS	Mr STOYTSCHEW, Valentin	13
[27] P14 - Progress in development and application of MeV TOF-SIMS technique at the Zagreb Heavy Ion Microbeam Facility	Dr SIKETIC, Zdravko	14
[6] P15 - Investigations into doped NaYF4 nanocrystals as novel probes for ion beam induced fluorescence imaging	Mr MI, Zhaohong	15
[17] P16 - Reconstruction of relief by means of stereo-PIXE for curved target	Ms MOHAMMADI, Mozhgan	16
[41] P17 - Development of a new light collection and detection system optimized for ion beam induced fluorescence microscopy	Mr MI, Zhaohong	17
[84] P18 - Variation in the uptake of Nanoparticles by Monolayer Cultured Cells using High Resolution Ion Beam Imaging	Ms TAO, Ye	18
[118] P19 - Performance of a gas flow ionization detector filled with He-iC4H10 mixtures for STIM-T	Ms MARQUES, A.C.	19
[132] P20 - Improving the lateral resolution in ion beam analysis by deconvolution of the point spread function of a nuclear microprobe	n Mr MENSING, Michael	20
[53] P21 - A compact gas ionisation direct-STIM detector for MeV ion microscopy	y Dr NORARAT, Rattanaporn	21
[113] P22 - Identification and reduction of acoustic-noise influence on focused ion beam (FIB)	Dr PLUSKA, Mariusz	22

		-
[152] P23 - A Fully Digital Data Acquisition System for Nuclear Microprobe Applications	Dr REINERT, Tilo	23
[86] P24 - A segmented detector for airborne gamma-ray spectroscopy	Dr GAROSI, Paola	24
[5] P25 - Proton Beam Writing combined with controlled subsequent electrochemical etching for the three-dimensional microstructuring of p-GaAs and p-InP for MEMS applications	Mr STEGMAIER, Alrik Ms ROTHFUCHS, Charlotte	25
[76] P26 - Proton beam writing of dye doped polymer microlasers	Prof. BETTIOL, Andrew	26
[38] P27 - Creation of double tilted pillar structures for microfluidic applications	Dr RAJTA, Istvan	27
[119] P28 - Automatic beam focusing in the 2nd generation proton beam writing line	Prof. VAN KAN, Jeroen Anton	28
[71] P29 - Comparative Study of Microstructured Polymer Foils using STIM with H, He and Li ions	Dr STORI, Elis	29
[158] P30 - Ion micro-beam and pulsed-laser beam techniques for the micro-fabrication of diamond surface and bulk structures		30
[165] P31 - Ion-beam-fabrication of buried graphitic electrodes for the excitation of electroluminescent NV centers in diamond	FORNERIS, Jacopo	31
[96] P32 - Writing and Imaging Nanostructures of Single Defects in Diamond	Ms RAATZ, Nicole	32
[102] P33 - Resolution intercomparison in microscopy and lithography using light and ion beam imaging	Prof. WHITLOW, Harry J.	33
[51] P34 - Quantitative Hydrogen Microscopy	Mr MOSER, Marcus	34
[54] P35 - Quantitative reconstruction of PIXE-Tomography data for thin samples using GUPIX X-ray emission yields	Dr DEVÈS, Guillaume Dr BARBERET, Philippe	35
[127] P36 - Improvement of spatial resolution and detection efficiency by control of secondary-electron in single-event three-dimensional time-of-flight Rutherford backscattering spectrometry	Dr ABO, Satoshi	36
[98] P37 - A 17th century glass collection from Monastery of Santa Clara-a-Velha in Coimbra, Portugal: Exploratory results using PIXE	Dr ALVES, Luis	37
[143] P38 - Micro_PIXE and SEM-EDX Studies for Archaeological Metal Findings Characterization	BUOSO, Maria Crista	38
[59] P39 - A technique for measurement of the stable boron isotope ratio.	Prof. KRISTIANSSON, Per	39
[104] P40 - Light element analysis and imaging using Particle Induced Gamma-ray Emission	Dr MUNNIK, Frans	40
[55] P41 - An evaluation of the proton-proton scattering method for hydrogen measurement in geological samples.	Dr BORYSIUK, Maciek	41
[10] P42 - Archaeometric studies of Byzantine pottery from Harsova (Carsium), Romania	Mr CECCATO, Daniele	42
[95] P43 - Full field x-ray fluorescence for the two-dimensional micro imaging of painted artworks	Dr ROMANO, Francesco Paolo	43
[16] P44 - Some applications of micro-PIXE in the study of ancient bronze, silver and obsidian artifacts	Dr STAN, Daniela	44
[49] P45 - Ion beam analysis of golden threads from Romanian medieval textiles	Ms FURU, Enikő	45
[80] P46 - Searching for Late Bronze Age soldering techniques: μPIXE analyses of the gold bracelets from Herdade do Álamo (Beja, Portugal)	Dr ALVES, Luis	46
[116] P47 - Simultaneous micro-PiXE and micro-EBS analysis applied to XVI	Mr CRUZ, João	47

[117] P48 - Micro-PIXE and micro-XRF applied to ancient coins	Mrs BERDASCO, Corregidor Mr CRUZ, João Mr ALVES, Luís Mrs MANSO, Marta	48
[130] P49 - Application of nondestructive analytical techniques to the study of Iron Gall inks	Dr CORREGIDOR, Victoria	49
[135] P50 - Lost image recovery for stained glass panels from the Rosslyn Chapel	Dr GRIME, Geoffrey	50
[137] P51 - The collection of Hispano-Moresque tiles from the Museum of the Roman Theatre, in Lisbon: chemical characterisation by μ-PIXE	Dr ALVES, Luis	51
[144] P52 - Paintings on copper by the Flemish artist Frans Francken: PIXE characterization by external micro beam	Dr CORREGIDOR, Victoria	52
[151] P53 - Micro-PIXE Analysis of Ancient Roman Coins	Mr CORSI, Jacopo	53
[68] P54 - Micro-PIXE and micro-NRA: associated tools for materials characterization	Ms A. B. NIEKRASZEWICZ, Liana	54
[11] P55 - Microbeam irradiation to study hypersensitive response of A549 NSCLC cells after low-dose irradiation with low-LET protons	Dr WÉRA, Anne-Catherine	55
[19] P56 - Nuclear microprobe analysis of leaves from tropical nickel hyperaccumulators growing in Sabah, Malaysia	Dr MESJASZ-PRZYBYLOWICZ, Jolanta	56
[22] P57 - Fluorine uptake into human enamel surface from fluoride-containing sealing materials during cariogenic pH cycling	Dr MATSUDA, Yasuhiro	57
[66] P58 - Contribution of micro-PIXE to investigate the toxicology of soluble and particulate cobalt on human lung cells	Prof. ORTEGA, Richard	58
[73] P59 - Enhanced RBE of submicron focused low LET protons	Mr GREUBEL, Christoph	59
[81] P60 - Analysis of erythrocyte elements in chronic hepatitis C patients treated with interferon and ribavirin by in-air microPIXE	Prof. NAGAMINE, Takeaki	60
[91] P61 - Study of the elemental distribution in the stigma of a Ni hyperaccumulator plant	Dr YNSA, Maria Dolores	61
[101] P62 - Impact of inflammation on tissues stores of iron	Dr ALVES, Luis Dr YNSA, Maria Dolores PINHEIRO, Teresa	62
[109] P63 - Evaluation of caries progression in dentin treated by fluoride-containing materials using PIGE/PIXE system	Dr YAMAMOTO, Hiroko	63
[110] P64 - A new ImageJ plugin for ion beam imaging and data processing at AIFIRA facility	Dr BARBERET, Philippe Dr DEVES, guillaume	64
[138] P65 - The role of microPIXE in the study of the distribution and function of trace elements in the retina and cornea of the rat eye.	Dr GRIME, Geoffrey	65
[147] P66 - Evaluation of the effects of Kolaviron (Garcinia kola) on the elemental metabolism in the rat liver and kidney using PIXE, RBS and SEM.	Dr MARS, Johan	66
[148] P67 - Investigation of intracellular multilayer decomposition of Layer-by-Layer self-assembled particles by means of ion beam analysis	JANKUHN, Steffen	67
[149] P68 - Investigation of elemental distribution in human femoral head - studies of the Paget disease of bone	Ms SANTOS, Cátia	68
	Ms SANTOS, Cátia Mr JEROMEL, Luka	68

1 00 11		
[48] P71 - Elemental distribution and sample integrity comparison of freeze-dried and frozen-hydrated biological tissue samples with nuclear microprobe	Mr VAVPETIČ, Primož	71
[150] P72 - Elbow dysplasia: an unsolved problem	Dr FONSECA, Micaela	72
[145] P73 - Design for RARAF nanoprobe	Dr RANDERS-PEHRSON, Gerhard	73
[14] P74 - Trace element mapping of pyrite from gold deposits – A comparison between PIXE and EPMA	Dr PRZYBYLOWICZ, Wojciech	74
[15] P75 - Geological Information on Transylvanian Native Gold Using micro-PIXE	Dr CONSTANTINESCU, BOGDAN	75
[32] P76 - Combined PIXE-PIGE measurements of quartz- and topaz-hosted melt inclusions from the Ary-Bulak ongonite massif of Siberia	Dr PRZYBYLOWICZ, Wojciech	76
[29] P77 - Application of IBA in the comparative analyses of fish scales as biomonitors of pollution	Dr GUAMBE, Jose Francisco	77
[57] P78 - Elemental Characterization of Gunshot Residues Generated by Brazilian Manufactured Ammunition	Ms DUARTE, Anaí	78
[20] P79 - Elemental Quantification of Gunshot Residues	Dr DIAS, Johnny	79
[26] P80 - Comparative study of the charge collection efficiency decrease on Si and SiC diodes after irradiation with high energy protons	Dr GARCIA LOPEZ, Javier Dr JIMÉNEZ-RAMOS, Mª Carmen	80
[2] P81 - Self-consistent depth profiling of GaN-based high electron mobility transistors	Dr ALVES, Luis	81
[34] P82 - Hypervelocity dust impact craters on photovoltaic devices imaged by ion beam induced charge	Prof. JAMIESON, David	82
[37] P83 - Geiger mode mapping: a new imaging modality for focused ion microprobes	Prof. JAMIESON, David	83
[44] P84 - IBIC mapping of anomalous polarity pulses in a multi-electrode diamond detector	Dr FORNERIS, Jacopo	84
[67] P85 - Sharing effects in the inter-strip gap of DSSSDs	Dr GRASSI, Laura	85
[18] P86 - Micro-IBA analysis of Au/Si eutectic "crop-circles"	Prof. VITTONE, ettore	86
[61] P87 - Monitoring of the vacancy recombination rates and defect formation processes in Si and diamond during the irradiation by MeV energy ions	Dr JAKSIC, Milko	87
[90] P88 - Degradation of the charge collection efficiency of an n-type Fz silicon diode subjected to MeV proton irradiation	FORNERIS, Jacopo	88
[131] P89 - Electric Force Microscopy Characterization of Ion Beam microfabricated Graphitic Channels in single crystal diamond	Dr BERNARDI, Ettore	89
[40] P90 - Multiscale characterization of helium migration in transition metal carbides and nitrides	Dr TROCELLIER, Patrick	90
[108] P91 - Nuclear Microbeam Analysis of Germanium doped GDP from Thin Film to ICF Target	Ms RONG, Caicai Prof. WANG, Xufei	91
[24] P92 - Investigation of Deep Levels in Silicon Carbide using Ion-Induced Charge Transient Spectroscopy	Dr KADA, Wataru	92
[46] P93 - Study of the oxygen depth profile of welded joints using PIGE, RBS and NRA techniques at various deuteron energies	Dr HUSZANK, Róbert	93
		94

[107] P95 - Tomographic examination of ion tracks by ion microbeam energy loss analysis	Dr VACIK, Jiri	95
[111] P96 - Depth profiling of ion-implanted silicon wafer using nuclear resonance of elastic backscattering He + 28Si	Dr TOSAKI, Mitsuo	96
[82] P97 - Imaging of Li Distribution in Li ion batteries by direct elemental detection tecnique of PIGE and NRA combined with proton microbeam at TIARA	Dr KAMIYA, Tomihiro	97
[146] P98 - An observation of the open pore formation and ion guiding effect in corundum implanted with Ti ions and irradiated with 90 MeV Kr ions	Dr DUVANOV, Serhiy M.	98
[115] P99 - Effect of Cobalt Doping on Titanium Dioxide Thin Film Prepared by Ion Layer Gas Reaction method	Dr WAFULA, Henry	99