

Session II	ABS	First Name	Last Name	Poster Title	Session Topic	Affiliation	Country
SB-P01	99	Abdirash	Akilbekov	Surface Morphology of Aluminium Oxide Irradiated by High Energy Heavy Ions	Basic mechanisms, theory and fundamentals	L.N.Gumilyov Eurasian National University	Kazakhstan
SB-P02	72	Alexander	Ryabchikov	High Intensity, Low Ion Energy Implantation of Nitrogen in AISI 5140 Alloy Steel	Basic mechanisms, theory and fundamentals	National Research Tomsk Polytechnic University	Russia
SB-P03	100	Alma	Dauletbekova	Depth profiles of aggregate centers and nanodefects in LiF crystals irradiated with MeV energy Kr, Ar and C ions	Basic mechanisms, theory and fundamentals	L.N. Gumilyov Eurasian National University	Kazakhstan
SB-P04	1	Amir Hoshang	Ramezani	The effects of Nitrogen on the structure, morphology and electrical resistance (...)	Basic mechanisms, theory and fundamentals	Department of Physics, West Tehran Branch, Islamic Azad University	Iran
SB-P05	16	Anastasiia	Bakaeva	Surface microstructure and trapping after high flux He-D plasma exposure of tungsten	Basic mechanisms, theory and fundamentals	SCK-CEN	Belgium
SB-P06	124	Andrii	Dubinko	Characterization of microstructure and nano-hardness of ITER specification tungsten under annealing up to 1800C	Basic mechanisms, theory and fundamentals	Institute for Nuclear Material Sciences, SCK-CEN	Belgium
SB-P07	44	Cheng	Jin-Xia	The odd-even effect of fragmentation cross sections for <sup>36</sup> Ar and <sup>40</sup> Ar	Basic mechanisms, theory and fundamentals	College of Electrical and Information Engineering	China
SB-P08	209	Hugo	Silva	Study of Implanted and Evaporated Targets for Elastic Cross Section Measurements	Basic mechanisms, theory and fundamentals	Laboratório de Instrumentação, Engenharia Biomédica e Física da Radiação, FCT/UNL	Portugal
SB-P09	105	Ishmumin	Yadgarov	Influence of Graphene Vacancies and Divacancies on Sputtering of Graphene	Basic mechanisms, theory and fundamentals	Tashkent Institute of Textile and Light Industry	Uzbekistan
SB-P10	196	Jean-Gabriel	Mattei	Structural and chemical investigations of III-N semiconductor, InGaN/GaN Quantum	Basic mechanisms, theory and fundamentals	CIMAP, CEA-CNRS-ENSICAEN-UCBN	France
SB-P11	83	Jie	Liu	Swift heavy ions induced surface modification analysed by AFM and Raman	Basic mechanisms, theory and fundamentals	Institute of Modern Physics, Chinese Academy of Sciences	China
SB-P12	40	Johan	Malherbe	Ion Bombardment of Carbons	Basic mechanisms, theory and fundamentals	University of Pretoria	South Africa
SB-P13	206	Nurken	Aktaev	Thermo elastic tension formation in a sample under the action of high-intensity	Basic mechanisms, theory and fundamentals	Tomsk Polytechnic University	Russia
SB-P14	220	Saphina	Biira	Effect of chemical vapour deposition parameters on the growth and structure of ZrC coatings	Basic mechanisms, theory and fundamentals	University of Pretoria	South Africa
SB-P15	85	Shengxia	Zhang	Stability of Swift Heavy Ion Induced Latent Tracks in Muscovite Mica under TEM Investigations	Basic mechanisms, theory and fundamentals	Institute of Modern Physics, Chinese Academy of Sciences	China
SB-P16	109	Tie-Jun	Wang	Swift heavy ion-irradiation on Ce:Lu <sub>2</sub> SiO <sub>5</sub> crystals: near-surface structure and waveguide properties	Basic mechanisms, theory and fundamentals	School of Physics, State Key Laboratory of Crystal Materials	China
SB-P17	192	Tobias	Stohr	Ion Beam Induced Degradation of Ionoluminescent Oxides and Nitrides Used for Bea	Basic mechanisms, theory and fundamentals	Department of Materials Science, Darmstadt University of Tech.	Germany
SB-P18	197	Victor	Bernstein	Molecular dynamics study of ultrafast thermalization of the subsurface excitation volume following keV collision of C <sub>60</sub> with a Au(001) target	Basic mechanisms, theory and fundamentals	Schulich Faculty of Chemistry, Technion (IIT)	Israel
SB-P19	15	Victoria	Golovchuk	Transition from insulating-to-metallic conductivity in near-surface layer of Zi	Basic mechanisms, theory and fundamentals	Belarus State University	Belarus
SB-P20	73	Vladislav	Medvedev	Low Energy, High Intensity Metal Ion Implantation Method for Deep Dopant Containing Layers Formation	Basic mechanisms, theory and fundamentals	National Research Tomsk Polytechnic University	Russia
SB-P21	221	Andrii	Leonovych	Biocompatibility of Zr covering for medical prosthetist provided by plasma deposition	Biomedical and industrial applications	National Science Center, Kharkov Institute of Physics	Ukraine
SB-P22	190	Emel	Sokullu	Ion Beam Modified Chitosan Membranes for Tissue Engineering	Biomedical and industrial applications	Izmir Katip Celebi University	Turkiye
SB-P23	144	Iñigo	Braceras	Plasma Nitriding of the Inner surface of Stainless Steel Pipes	Biomedical and industrial applications	Tecnalia Research & Innovation	Spain
SB-P24	161	Iñigo	Braceras	Active Screen Plasma Treatment of <sup>42</sup> CrMo <sub>4</sub> (AISI 4140) and Tribo-Corrosion Performance	Biomedical and industrial applications	Tecnalia Research & Innovation	Spain
SB-P25	184	Andrzej	Olejniczak	Localized Reduction of Graphene Oxide by Swift Heavy-Ion Irradiation	Defect engineering, nano-science and technology	Faculty of Chemistry, Nicolaus Copernicus University	Poland/Russia
SB-P26	68	Chibu	Umerah	Optical properties of Infrasil silica after implantation by localized high fluence MeV Au and MeV Ag ions	Defect engineering, nano-science and technology	Fayetteville State University	U. S. A.
SB-P27	42	Denise	Erb	Bottom-up fabrication of periodic nanostructure arrays based on reverse epitaxy	Defect engineering, nano-science and technology	Institute of Ion Beam Physics and Materials Research	Germany
SB-P28	169	Dirkjan	Verheij	Radiation detectors based on GaN microwires	Defect engineering, nano-science and technology	Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico	Portugal
SB-P29	183	Giuseppe	D'Arrigo	Monitoring of mechanical modification properties induced by Ge ions implantation on stoichiometric Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub>	Defect engineering, nano-science and technology	CNR-IMM Catania Headquarters	Italy
SB-P30	65	Hoje	Kwon	Preparation of TiO <sub>2</sub> Coated Carbon Nanotube-based Electrode for Energy Storage	Defect engineering, nano-science and technology	Korea Atomic Energy Research Institute	Republic of Korea
SB-P31	147	Hoje	Kwon	NiO-Coated Graphite Sheets with Hierarchical and Porous Structures	Defect engineering, nano-science and technology	Korea Atomic Energy Research Institute	Republic of Korea
SB-P32	204	Jerome	Leveneur	Synthesis of multi-compound magnetic nanomaterials with successive ion implantation	Defect engineering, nano-science and technology	GNS Science	New Zealand
SB-P33	94	Jianrong	Sun	Structural Changes and Defects Evolution in Ti <sub>3</sub> AlC <sub>2</sub> Induced by Self-Ion Irradiation	Defect engineering, nano-science and technology	Institute of Modern Physics, Chinese Academy of Sciences	China
SB-P34	95	Jianrong	Sun	Effects of Swift Heavy Ion Irradiation in a FeSiNbZrB Amorphous Alloy	Defect engineering, nano-science and technology	Institute of Modern Physics, Chinese Academy of Sciences	China
SB-P35	87	Leandro	Tanure	Nano-hardness and Electron Backscatter Diffraction analysis of ultra-fine grain	Defect engineering, nano-science and technology	Department of Materials, Textiles and Chemical Engineering	Belgium
SB-P36	35	Lukasz	Kurpaska	Functional properties of Ar-ion modified single-crystals	Defect engineering, nano-science and technology	National Centre for Nuclear Research	Poland
SB-P37	137	Lukasz	Kupaska	Influence of consolidation process on functional properties of steels	Defect engineering, nano-science and technology	National Centre for Nuclear Research	Poland
SB-P38	49	Miao	Zhang	Strained bubbles on germanium induced by hydrogen ion implantation	Defect engineering, nano-science and technology	Shanghai Institute of Microsystem and Information Technology	China
SB-P39	24	Pawel	Horodek	Positron Beam Studies of Radiation Damage Induced by Heavy Ions in Iron	Defect engineering, nano-science and technology	Joint Institute for Nuclear Research	Russia
SB-P40	81	Shuyi	Ma	The preparation of I <sup>±</sup> -Fe <sub>2</sub> O <sub>3</sub> hollow spheres and its gas sensing properties	Defect engineering, nano-science and technology	Key Laboratory of Atomic and Molecular Physics & Functional	China
SB-P41	164	Thabsile	Thabethe	The surface <b>structural</b> modification of W deposited on 6H-SiC due to annealing in Argon, Hydrogen and vacuum using AFM technique	Defect engineering, nano-science and technology	Physics Department, University of Pretoria	South Africa
SB-P42	191	Torsten	Walbert	Ion track-etched polymers as templates for electroless fabrication of metal nanotube arrays	Defect engineering, nano-science and technology	Department of Materials Science, Darmstadt University of Tech.	Germany
SB-P43	168	Victoria	Corregidor	Ion beams to study mixed cation/mixed halide perovskite layers	Defect engineering, nano-science and technology	IPFN, Instituto Superior Técnico (IST), Campus Tecnológico e Nuclear, Loures	Portugal
SB-P44	26	Vladimir	Uglov	Blister formation in ZrN/SiN multilayers after He irradiation	Defect engineering, nano-science and technology	Belarusian State University	Belarus
SB-P45	27	Vladimir	Uglov	Features of microstructure of zirconium and silicon nitrides multilayers irradiation by xenon ions	Defect engineering, nano-science and technology	Belarusian State University	Belarus
SB-P46	53	Wang	Xue-Lin	Effects of MeV Cu <sup>+</sup> ion irradiation on MoSe <sub>2</sub> nanostructure	Defect engineering, nano-science and technology	School of Physics, State Key Laboratory of Crystal Materials	China
SB-P47	123	Giovanni	Ceccio	Ion energy distribution from laser-generated plasma at 10 <sup>10</sup> W/cm <sup>2</sup>	New accelerator systems and tools for materials research	Dottorato di Ricerca in Fisica, Dipartimento MIFT	Italy
SB-P48	226	Gregoire	Chene	Radiation tests for space-dedicated materials at Liege SANA Ion Beam facility	New accelerator systems and tools for materials research	SANA, Spectroscopie Atomique et Nucleaire, Archeometrie - Department of Physics, Faculty of Science	Belgium
SB-P49	112	Guangfu	Wang	Setups of ion beam induced luminescence in Beijing Normal University and their applications for ion irradiation effects study	New accelerator systems and tools for materials research	College of Nuclear Science and Technology, Beijing Normal University	China
SB-P50	121	Hélio	Luis	Micro-AMS analysis of low dose Pt implantation in Si	New accelerator systems and tools for materials research	IPFN, Instituto Superior Técnico (IST), Campus Tecnológico e Nuclear, Loures	Portugal

<b>SB-P51</b>	156	Roger	Webb	SIMPE - Single Ion Multispecies Positioning at Low Energy - a single ion implanter for quantum technologies	New accelerator systems and tools for materials research	Surrey Ion Beam Centre, University of Surrey	UK
<b>SB-P52</b>	148	Steven	Jepeal	Exploration of the use of intermediate energy light ion beams for the study of materials	New accelerator systems and tools for materials research	Massachusetts Institute of Technology	USA