

POSTER SESSION A - TUESDAY, 18 JUNE, 2024

Code	Presenting author	Title, authors
PA01	Diana Junisbekova	Preparation of gallium oxide (Ga_2O_3) nanowires in SiO_2/Si track template Diana JUNISBEKOVA , Alma DAULETBEKOVA, Zein BAIMUKHANOV, Guldar BAUBEKOVA, Assyl-Dastan BAZARBEEK
PA02	Alma DAULETBEKOVA	Synthesis of SnO_2 nanowires with activating impurities in track templates Zein BAIMUKHANOV, Diana JUNISBEKOVA, Alma DAULETBEKOVA , Aigerim SERIKBAYEVA, Muratbek BAIZHUMANOV
PA03	Anna Mrozik	Luminescent properties of composite detectors based on MgAl_2O_4 doped with rare-earth and transition metal ions A. Mrozik , P. Bilski, D. Kuźnik, V. Gorbenko, T. Zorenko, Y. Zorenko
PA04	Anatoliy Voloshinovskii	Luminescence of Sr^{2+} -activated CsPbCl_3 single crystals Anatoliy Voloshinovskii , Yaroslav Chornodolskyi, Oleksandr Pidhornyi, Andriy Pushak, Mariya Kovalenko, Oleg Bovgyra, Roman Gamernyk, Oleg Antonyak, Aleksei Kotlov, Yevgeniia Smortsova, Taras Malyi, Taras Demkiv
PA05	Aiman Akylbekova	Synthesis and luminescence of nanocrystalline ZnS formed in ion track templates a- $\text{SiO}_2/\text{Si-n}$ Aiman AKYLBKOVA , Ayaulym MUKHATAYEVA, Alma DAULETBEKOVA, Zein BAIMUKHANOV, Marina Konuhova,
PA06	Aiman AKYLBKOVA	Synthesis of copper selenide nanowires into SiO_2/Si track template Gulnaz SARSEKHAN, Aiman AKYLBKOVA , Zein BAIMUKHANOV, Abdirash AKILBEKOV, Abay USSEINOV, Muratbek BAIZHUMANOV
PA07	M. Usama Jamal	The impact of crystal structure on Tb^{3+} luminescence in double molybdates M. Usama JAMAL , Vitali NAGIRNYI, Dmitry SPASSKY
PA08	Michael Discher	Reinvestigation of TL properties of protective glasses of mobile phones for retrospective dosimetry using the red-emission range Michael DISCHER , Céline BASSINET, Yoann RISTIC

PA09	J.M. Salikhodzha A.K. Ospanova	Luminescence decay characteristics of CdSe nanoparticles A.Zh. Kainarbay, A.K. Ospanova, D.K. Daurenbekov, R. Suleimen, A.S. Akhmetova, T.N. Nurakhmetov, J.M. Salikhodzha , B.N. Ussupbekova, B.M. Sadykova, N. Temirkulova
PA10	J.M. Salikhodzha A.K. Ospanova	Enhancing photo- response in p-Si cells by luminescent down- shifting using different CdSe semiconductor nanoparticles A. Z. Kainarbay, A.K. Ospanova, D.K. Daurenbekov, A.S. Akhmetova, T.N. Nurakhmetov, J.M. Salikhodzha , B.N. Ussupbekova, B.M. Sadykova, N. Temirkulova
PA11	Irene Villa	Multicomponent nanoscintillators in radiotherapy and Alzheimer's disease treatment Irene Villa , Valeria Secchi, M. Campione, S. Rahimipour, Angelo Monguzzi
PA12	Guna Doke	Mg ₄ Ga ₈ Ge ₂ O ₂₀ : M (M = Cr ³⁺ ; Mn ²⁺) phosphors with multicolour persistent luminescence for advanced anti-counterfeiting applications Guna DOKE , Aleksej ZARKOV, Aldona BEGANSKIENE, Andris ANTUZEVICS, Pavels RODIONOV, Aivaras KAREIVA
PA13	Katarina Milenkovic	Three-fold enhancement of Eu ³⁺ emission intensity in BaYF ₅ nanoparticles by Bi ³⁺ co-doping Katarina MILENKOVIC , Vesna DJORDJEVIC, Sanja KUZMAN, Jovana PERISA, Bojana MILICEVIC, Miroslav D. DRAMICANIN
PA14	Aleksandr Lushchik	About thermal stability of the F ⁺ centers in MgO single crystals irradiated by fast neutrons or energetic Ar ions Guldar Baubekova, Ruslan Assylbayev, Alise Podelinska, Viktor Seeman, Evgeni Shablonin, Evgeni Vasil'chenko, Aleksandr Lushchik
PA15	Kuanyshbek Shunkeyev	Electron-hole recombination and exciton luminescence in the field of local lattice deformation by sodium impurity ions in KCl:Na single crystals Kuanyshbek Shunkeyev , Shynar Sagimbayeva, Daulet Sergeyevev, Aleksandr Lushchik, Vitali Nagirnyi, Lyudmila Myasnikova, Zhiger Ubaev, Aleksei Krasnikov

PA16	Aleksandr Lushchik	Accumulation of oxygen interstitial-vacancy pairs under irradiation of corundum single crystals with energetic xenon ions Guldar Baubekova, Ruslan Assylbayev, Eduard Feldbach, Aleksei Krasnikov, Irina Kudryavtseva, Alise Podelinska, Viktor Seeman, Evgeni Shablonin, Evgeni Vasil'chenko, Aleksandr Lushchik
PA17	Vitalii Gorbenko	Development of composite scintillators based on epitaxial structures of garnet compounds for medical application Vitalii GORBENKO , Sandra WITKIEWICZ-LUKASZEK, Bogna SOBIECH, Janusz WINIECKI, Oleg SIDLETSKIY, Yuriy ZORENKO
PA18	Arnoldas Solovjovas	Investigation of emission properties in $YA_{1-x}Ga_xG:Ce$ scintillators with different gallium content Arnoldas SOLOVJOVAS , Saulius NARGELAS, Oleg SIDLETSKIY, Gintautas TAMULAITIS
PA19	Céline Bassinet	Mobile phone screen protector glass for radiation accident dosimetry: a TL investigation of the intrinsic background signal in the red detection window Céline BASSINET , Michael DISCHER, Yoann RISTIC
PA20	Natalia K. Pawlak	Reconstructing the trap filling process in multiple trap systems using the dose-response curve measured for a single OSL trap Natalia K. PAWLAK , Alicja CHRUŚCIŃSKA
PA21	Michał Sądel	2D OSL dosimetry based on MgB_4O_7 prototype foils - facilitating the high-resolution proton radiotherapy Michał SADEL , Leszek GRZANKA, Janusz SWAKOŃ, Damian WRÓBEL, Sebastian KUSYK, Paweł BILSKI
PA22	Paweł Bilski	Performance of various TL/OSL detectors after irradiation with gamma-rays and protons at different dose rates Paweł BILSKI , Anna MROZIK, Michał SADEL, Jan SWAKOŃ, Damian WRÓBEL, Sebastian KUSYK, Dorota KUŹNIK
PA23	Anatoli I. Popov	Luminescence and TSL study of ScF_3 single crystals under UV-VUV and electron beam excitation Anatoli I. Popov , Irina Kudryavtseva, Aleksandr Lushchik, Eduard Feldbach, Marina Konuhova, Juris Purans, E. Aleksanyan

PA24	Anna Shakhno	Influence of Ce ³⁺ doping and crystallization rates on the structural, optical and photoconversion properties of the Al ₂ O ₃ -YAG: Ce eutectic Anna SHAKHNO , Oleh VOVK, Sergei Nizhankovskyi, Mieczysław CIESZKO, Zbigniew SZCZEPAŃSKI, Tetiana ZORENKO, Yuriy ZORENKO
PA25	Taras Demkiv	Energy transfer in CsPbCl ₃ : Yb and CsPbCl ₃ : Yb,Er single crystals Roman GAMERNYK, Yaroslav CHORNODOLSKYY, Taras MUZYKA, Andriy PUSHAK, Borys TURKO, Sergiy MALYNYCH, Volodymyr SALAPAK, Taras DEMKIV , Anatolii VOLOSHINOVSKII
PA26	Zhanymgul Koishybayeva	RADIATION RESISTANCE OF GALLIUM OXIDE THIN FILMS TO THE ION IMPACT Zhanymgul KOISHYBAYEVA , Sergey PAVLOV, Fedor KONUSOV, Dmitry SIDELYOV, Denis CHESHEV, Alexey PIROZHKO, Artur NASYRBAEV, Igor IVANOV, Vladislav TARBOKOV, Ruslan GADIROV, Abdrash AKILBEKOV, Elena POLISADOVA
PA27	Alexander Platonenko	Mechanical properties of Y ₂ SiO ₅ -Lu ₂ SiO ₅ solid solutions from <i>ab initio</i> calculations Alexander Platonenko , Dmitry Bocharov, Anatoli I. Popov
PA28	Jekabs Cirulis	Neutron radiation defect EPR analysis in gadolinium gallium garnet Jekabs CIRULIS , Uldis ROGULIS, Nina MIRONOVA-ULMANE, Andris ANTUZEVICIS
PA29	Katarzyna Maria Szufa	The attempt to reconstruct a dose after irradiation with gamma source of unknown dose rate using KCl dietary supplements Katarzyna Maria SZUFA , Renata MAJGIER, Arkadiusz MANDOWSKI
PA30	Artem L. Kozlovskiy	Radiation-stimulated optical and luminescent effects in ZrO ₂ ceramics Artem L. Kozlovskiy
PA31	Dana S. Yerimbetova	Assessment of prospects for the use of optical and luminescent methods for determining the density of latent tracks in polymer film detectors Dana S. Yerimbetova , Artem L. Kozlovskiy, Umitali N. Tuichiyev
PA32	Dana S. Yerimbetova	Improving the method of detecting α-particles with film polymer detectors using optical analysis methods Umitali N. Tuichiyev, Dana S. Yerimbetova

PA33	Ainur M. Zikirina	The influence of radiation damage on the band gap, optical and luminescent properties of CoZn/CoZnO nanostructures Ainur M. Zikirina , Artem L. Kozlovskiy
PA34	Karyna Lamonova	Quantum Dots as a Precondition for the ZnCr ₂ Se ₄ Spinel Formation in ZnSe:(Fe, Cr) Laser Crystal Matrixes Karyna LAMONOVA , Andrey PROKHOROV, Yuri KAZARINOV, Maksym BURYI
PA35	Sanu Bifal Maji	Influence of crystal structure on luminescence of Pr ³⁺ doped barium lutetium fluoride nanocomposite Sanu Bifal Maji , Alexander Vanetsev, Hugo Mandar, Vitali Nagirnyi, Kirill Chernenko and Marco Kirm
PA36	Gulnur Tursumbayeva	Radiation processes in YAG single crystals irradiated with swift heavy Xe ¹³² ions Guldar Baubekova, Ruslan Assylbayev, Zhakyp Karipbayev, Gulnur Tursumbayeva , Evgeni Shablonin, Zh. Dosmagambetov, A. Dauletbekova, Anatoli Popov, Aleksandr Lushchik
PA37	Renata Majgier	Characterization of IRSL decays of copper-doped potassium sulfate Renata MAJGIER , Arkadiusz MANDOWSKI
PA38	Inesh E. Kenzhina	Determination of the effect of ZrO ₂ doping with magnesium oxide on the optical and luminescent properties of ceramics used as fuel cells Inesh E. Kenzhina , Artem L. Kozlovskiy
PA39	Halyna Klym	Analysis of Positron Trapping Defects through Free-Volume Study in Chalcogenide Glass Halyna KLYM , Ivan KARBOVNYK, Oleksiy KUSHNIR
PA40	Halyna Klym	Evolution of Free-Volume Defects in the BaGa ₂ O ₄ Ceramics Doped with Eu ³⁺ Ions Halyna KLYM , Yuriy KOSTIV, Vladimir PANKRATOV, Ivan KARBOVNYK