

Poster session. September 19 (Monday) 17.00–18.00

1. B. Miller High-Resolution Gamma-Ray and SPECT Imaging with Columnar Scintillators and CCD/CMOS Sensors
2. E. Okrushko, V. Kamyshan Calculation of the light collection in the long 1D detector for small FOV gamma-cameras
3. V. Kamyshan, E. Okrushko, V. Pedash, A. Dyomin Mathematical modeling of the position sensitive detector with diffusive scattering layer between crystal and light-guide
4. N. Zubenko, A. Dyomin Calculation of the scintillation coordinate in the gamma-camera detector using neural network
5. A. Dyomin, Yu. Sukhinskaya Image parsing and cluster recognition for dynamical investigations in nuclear medicine
6. Yu. Borodenko, V. Belogub, B. Grinyov, A. Didenko, E. Selegenev, V. Tarasov, A. Kolyada Digital scanning apparatus for x-ray radiography
7. Yu. Borodenko, V. Belogub, B. Grinyov, A. Gektin, A. Didenko, E. Selegenev, V. Tarasov, V. Shevel, V. Levchenko, L. Vasil'ev, O. Paskevich Dose calibration device for nuclear medicine
8. S. Barannik, A. Dyomin, A. Golovinsky, A. Malenko GRID as a Storage for Medical Images
9. Y. Shteyn (Khoudenskiy) The first probe of scintillation counter for nuclear medicine study in the Russia (Ural Sverdlovsk 1953)
10. G. Grushka, L. Stadnyk Optimization of treatment for thyroid microcarcinoma based on the study of radioiodine-131 biokinetics indicators in the patient's organism
11. A. Kovalenko Application of the standard DICOM in exchange medical data systems
12. E. Bodnar Application of Medical Imaging Technologies: Safety Considerations
13. V. Trishin, V. Shevel Organization of production of radionuclides for medical applications at the Institute for Nuclear Research (Kiev)
14. S. Vasyukov, A. Gektin, N. Shiran, A. Belsky, S. Tkachenko CsI:Eu single crystals: lattice structure, luminescence and energy transfer
15. S. Vasyukov, N. Shiran, A. Gektin, Y. Boyarintseva, S. Tkachenko, V. Vistovsky, D. Sofronov Luminescence of Eu doped NaI crystals: temperature and concentration dependences
16. A. Lebedynskiy, S. Vasyukov, A. Ananenko, A. Gektin, P. Mateychenko, N. Shiran, D. Sofronov Morphology and emission peculiarities of CsI: Eu columnar films
17. S. Neicheva, O. Sidletskiy, A. Belsky, Y. Boyarintseva Emission centers in Ce-doped LGSO scintillators
18. V. Taranyuk, V. Shlyakhturov, A. Boyarintsev, I. Kisil Skull technique for the nuclear medical application NaI(Tl) growth
19. V. Shlyakhturov, A. Gektin, A. Boyarintsev, V. Taranyuk Scintillation properties of highly deformed NaI crystals.

20. V. Cherginets, Yu. Datsko, T. Rebrova On the effect of some technological conditions of obtaining novel high-efficiency scintillators on their exploitation properties
21. A. Grippa, V. Cherginets, Yu. Datsko, T. Ponomarenko, N. Kosinov, O. Zelenskaya Investigations of some CsMIICl₃ compounds as prospective matrixes for luminescence media
22. D. Sofronov, E. Sofronova, K. Kudin, V. Chebanov Specific features of hygroscopic halides dehydration used for obtaining of the new scintillation materials
23. N. Ovcharenko, L. Trefilova, O. Guiduk, N. Smirnov, A. Mitichkin, I. Zenja Effect of oxygen anions causing alkaline reaction on afterglow of CsI(Tl)
24. O. Shpylynska, L. Trefilova, E. Kisil, A. Kornlyo Luminescence of activator dimers in CsI(Tl) scintillator
25. L. Trefilova, V. Alekseev, V. Yakovlev, A. Meleshko Emission properties of CsI(Tl) activator-vacancy dipoles
26. A. Shkoropatenko, K. Kudin, D. Zosim, A. Voloshko, A. Kudin Recovery of dead layer near entrance surface in NaI:Tl crystal
27. I. Gerasymov, S. Neicheva, K. Katrunov, O. Zelenskaya, V. Tarasov, O. Sidletskiy, N. Galunov, B. Grinyov Growth and scintillation properties of Ce-doped Gadolinium pyrosilicate scintillators
28. E. Galenin, I. Gerasimov, S. Tkachenko, O. Sidletskiy Ways to improve the yield of BGO crystals produced by conventional Czochralski technique
29. O. Voloshina, V. Bondar, S. Neicheva, T. Gorbacheva, A. Zhukov, O. Sidletskiy Growth and scintillation properties of rare earth vanadates and tantalates
30. A. Kudin, V. Shlyakhturov, V. Glushko, K. Kudin, A. Kolesnikov, A. Mitichkin, B. Zaslavsky Origin of light scattering centers in NaI:Tl crystal
31. T. Tkacheva, S. Yefimova, I. Kurilchenko, I. Borovoy, A. Sorokin, Yu. Malyukin Interaction Between Fluorescent Probes In Nanoscale Carries.
32. I. Fylymonova, A. Sorokin, I. Kurilchenko, S. Yefimova, I. Borovoy, Yu. Malyukin Luminescent Probes For Nucleic Acids On Base Of Cyanine Dye Excimers.
33. M. Malyukina, N. Kavok, I. Borovoy Control Of Transmembrane Potential Changes In Individual Cells At Short-Term Hormon Action.
34. K. Averchenko, N. Kavok, I. Borovoy, V. Klochkov, A. Malysenko JC-1 Molecular Probe-Based Evaluation Of Mitochondrial Potential Changes In Single Rat Hepatocytes Exposed To Nanoparticles.
35. K. Averchenko, M. Malyukina, N. Kavok, I. Borovoy Fluorescent Probes For The Estimation Of Effect Of Hormones On Hepatocytes Mitochondria Potential Of Different Aged Rats.
36. V. Klochkov, N. Kavok, O. Sedykh, A. Grigorova Accumulation Of Re-Doped Nanocrystals In Hepatocyte Nuclei.
37. N. Kavok, V. Klochkov Luminescent Hydroxiapatites Nanoparticles As Biological Probes.
38. N. Kizilova Composites reinforced by branching systems of nanofibers and nanotubes as heat and mass exchangers for biomedical MEMS devices