

Scientific poster list

1	Toward brachytherapy with ytterbium sources	Akulinichev, Sergey
2	Conformal proton therapy with passive scattering	Akulinichev, Sergey
3	RBE for Carbon ions In Vivo for Tumor Control and Normal Tissue Damage	Alsner, Jan
4	PET scanning of ocular melanoma after proton irradiation	Amin, Tanjilul
5	Ocular Melanoma cells in the presence of nanoparticles against cobalt 60 radiation therapy- Monte Carlo and In Vitro studies	Asadi, Somayeh
6	Laser therapy of human choroidal Melanoma in the presence of gold nanoparticles - Monte Carlo and In Vitro Study	Asgari, Mehdi
7	A systematic Monte Carlo study on the dosimetric and imaging properties of C-11 and O-15 beams.	Augusto, Ricardo
8	Alanine as a Dose Verification Tool for Carbon Ion In-Vivo Irradiation	Bassler, Niels
9	Gamma Locator for Radionuclide Diagnostics Of Oncological Diseases	Berdnikova, Anastasia
10	Evaluation of the size of micrometric/nanometric dosimeters for use in radiotherapy and medical physics	Beuve, Michaël
11	From 2D to 3D: Proton radiography and proton CT in proton therapy: A simulation study	Biegun, Aleksandra
12	Investigation on novel solution for a positioning system in protontherapy	Bourhaleb, Faiza
13	GEANT4 simulation of dose deposition in patients from TomoTherapy Hi-Art Megavoltage computed tomography (MVCT) imaging.	Brochu, Frederic
14	Increasing PET scanner resolution using a Silicon detector probe	Brzezinski, Karol
15	PET Scanning Protocols for In-Situ Dose Delivery Verification of Proton Therapy	Buitenhuis, Tom
16	CTV-PTV margin reduction using prediction of respiration-induced tumour motion	Bukhari, Waqas
17	Development of a PET Insert for Human Brain Imaging: Detection System	Campos Rivera, Natalia
18	A local and global liver function model	Cao, Yue
19	Proton scattering radiography using an emulsion detector: a feasibility study	Carzaniga, Tommaso
20	Development of a track structure detector for biologically weighted treatment planning in particle therapy	Casiraghi, Margherita
21	62 MeV Proton beams induced DNA damage in hypoxic conditions.	Chaudhary, Pankaj
22	Laser accelerated ultra high dose rate protons induced DNA damage under hypoxic conditions	Chaudhary, Pankaj
23	Faster QA through improved proton calorimetry. Another spin-off from particle physics	Chirvase, Cezarina
24	Simulation of recombination in an air filled ionization chamber	Christensen, Jeppe Brage
25	The GEMpix detector as a real-time 2D dosimeter in external photon beam radiotherapy	Claps, Gerardo
26	First tests to implement an in-house 3d-printed photon bolus procedure using clinical treatment planning system data.	Dipasquale, Giovanna
27	Brain motion induced artefacts in Microbeam Radiation Therapy: a Monte Carlo study	Donzelli, Mattia
28	How to produce the highest tin-117m specific activity?	Duchemin, Charlotte
29	Tb-155 production with gadolinium target: proton, deuteron or alpha beam?	Duchemin, Charlotte

Proton beam irradiation inhibits cellular motility in vitro Elas, Martyna Experimental study of Radiation induced DNA damage by internal Auger electron cascade compared to external γ-rays Fredericia, Pil Sulfujel Code Comparisons of Proton Interactions in the Presence of Gold Nanoparticles in the Human Eye Gaeini, Shaghayegh Characterization of the immune component in the lung of KP mouse with pulmonary adenocarcinoma: from infiltrated immune cells to tertirally lymphoid structures. Detectors for quality assurance of pencil beam scanning gantries for proton therapy Spatial Resolution Enhancement in Integration Mode Detectors for Proton Radiography and Tomography Gagnon Moisan, Francis Gagnon Moisan, Francis Gagnon Moisan, Francis Gagnon Hybrid TOF-PET/MRII local transceiver coil Hybrid TOF-PET/MRII local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Hybrid TOF-PET/MRII local transceiver coil Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of and research on medical radioisotopes at the heavy ion laboratory, university of warsaw Jastzebski, Jerzy Fast dose modulation in proton therapy with continuous line scanning Correlation of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Rodowska, Magdalena Product Gagnon Anoissa, Proton beam delivery Roman – ay Timing experiment during different modalities of proton beam delivery Roman – ay Timing experiment during different modalities of proton beam delivery Roman – ay Timing experiment during different modalities of proton beam delivery Roman – ay Timing experiment during different modalities of proton beam delivery Roman – and the position of Proton Scanning Proton Beams for Physics Experimen			
Proton beam irradiation inhibits cellular motility in vitro Elas, Martyna Experimental study of Radiation induced DNA damage by internal Auger electron cascade compared to external γ-rays Fredericia, Pil Multiple Code Comparisons of Proton Interactions in the Presence of Gold Nanoparticles in the Human Eye Gaelin, Shaghayegh Characterization of the immune component in the lung of KP mouse with pulmonary adenocarcinoma: from infiltrated immune cells to tertirary lymphoid structures. Detectors for quality assurance of pencil beam scanning gantries for proton therapy Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography Gagnon-Moisan, Francis Ganon-Moisan, Francis Ganoli, Chiara Hybrid TOF-PET/MRI local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Hybrid TOF-PET/MRI local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of and research on medical radioisotopes at the heavy ion laboratory, university of warsaw Jastzebski, Jerzy Griteria of spot asymmetry in proton radiotherapy pencil beam scanning Criteria of spot asymmetry in proton radiotherapy pencil beam scanning Criteria of spot asymmetry in proton radiotherapy pencil beam scanning Proton Beams for Physics Experiments at OncoRay Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Koster, Ulli Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Koster, Ulli Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Koster, Ulli Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Koster, Ulli Prompt Gamma-ray Timing experiment during different moda	30	RapidArc commissioning and dosimetric verification using EPID portal dosimetry system	Dwivedi, Shekhar
Experimental study of Radiation induced DNA damage by internal Auger electron cascade compared to external y-rays Fredericia, Pil	31	Dosimetric Measurement for Isocentre Blocked Boost Fields in 3D-CRT Treatment Plans	Dwivedi, Shekhar
Multiple Code Comparisons of Proton Interactions in the Presence of Gold Nanoparticles in the Human Eye Characterization of the immune component in the lung of KP mouse with pulmonary adenocarcinoma: from infiltrated immune cells to tertiary lymphold structures. Detectors for quality assurance of pencil beam scanning gantries for proton therapy Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography Gianoli, Chiara Hybrid TOF-PET/MRI local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Have, Ellen Marie Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsaw Criteria of spot asymmetry in proton tradiotherapy pencil beam scanning Criteria of spot asymmetry in proton tradiotherapy pencil beam scanning — a Monte Carlo study Criteria of spot asymmetry in proton tradiotherapy pencil beam scanning — a Monte Carlo study Forton Beams for Physics Experiment during different modalities of proton beam delivery Froton Beams for Physics Experiments at OncoRay Proton Beams for Physics Experiments at OncoRay Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Evelopment of the Flair tool for FLUKA Treatment Planning Verification Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Recent Improv	33	Proton beam irradiation inhibits cellular motility in vitro	Elas, Martyna
to tertiary lymphoid structures. Detectors for quality assurance of pencil beam scanning gantries for proton therapy Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography Gianoli, Chiara Hydrof TOP-PET/MRI local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Høye, Ellen Marie Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Høye, Ellen Marie Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsaw Jastrzebski, Jerzy Fast dose modulation in proton therapy with continuous line scanning Friedra's of spot asymmetry in proton radiotherapy pencil beam scanning Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Proton Beams for Physics Experiments at OncoRay Rosmol, Thomas Proton Beams for Physics Experiments at OncoRay Rosmol of the Flair tool for FLUKA Treatment Planning Verification Sociouska, Wioletta Front-end electronics and hit position reconstruction methods for the J-PET scanner Recent Improvements and Applications of the FLUKA Monte Cardo code in Hadrontherapy MoNDO: a neutron tracker for particle therapy secondary emission fluxes measurements Infrared Study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron Mariani, Michela Infrared Study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron Mariani, Michela Infrared Study of a high resolution monolithic silicon diode array for MRI-linac applications Wonte Carlo study of a high resolution monolithic s	34	Experimental study of Radiation induced DNA damage by internal Auger electron cascade compared to external γ-rays	Fredericia, Pil
to tertiary lymphoid structures Detectors for quality assurance of pencil beam scanning gantries for proton therapy Gagnon-Moisan, Francis Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography Gianoli, Chiara Hybrid TOF-PET/MRI local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Hybrid TOF-PET/MRI local transceiver coil Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Local Prompt Gamma estimation for clinical Proton Therapy simulations Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Jastrzebiski, Jerzy Criteria of Spot asymmetry in proton therapy with laboratory, university of warsaw Klidowska, Magdalena Klimpki, Grischa Stote Stop Standar	35	Multiple Code Comparisons of Proton Interactions in the Presence of Gold Nanoparticles in the Human Eye	Gaeini, Shaghayegh
Detectors for quality assurance of pencil beam scanning gantries for proton therapy Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography Gianoli, Chiara Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography Giavacz, Bartosz Hybrid TOF-PET/MRI local transceiver coil Glowacz, Bartosz Hybrid TOF-PET/MRI local transceiver coil Hybrid TOF-PET/MRI local transceiver coil Glowacz, Bartosz Hybrid TOF-PET/MRI local transceiver coil Hybrid TOF-PET/MRI local tr	36	Characterization of the immune component in the lung of KP mouse with pulmonary adenocarcinoma: from infiltrated immune cells	Gael, Boivin
38Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and TomographyGianoli, Chiara31Hybrid TOF-PET/MRI local transceiver coilGlowacz, Bartosz34The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeterHybr. Ellen Marie42Accelerated Prompt Gamma estimation for clinical Proton Therapy simulationsHuisman, Brent43Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patientsJameson, Michael44Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsawJastrzebski, Jerzy46Fast dose modulation in proton therapy with continuous line scanningKlimpki, Grischa47Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo studyKlodowska, Magdalena481910s – revival of an out-of-favor radionuclide?Köster, Ulli49Proton Beams for Physics Experiments at OncoRayKormoll, Thomas50Porton Beams for Physics Experiments at OncoRayKormoll, Thomas51Development of the Flair tool for FLUKA Treatment Planning VerificationKozlowska, Wioletta53Front-end electronics and hit position reconstruction methods for the J-PET scannerKrzemień, Wojciech54Single-cell S-value calculations for Auger-electron emitting radionuclidesKrzemień, Wojciech55Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimatorMáriani, Michela56Recent Improvements and Applications of the FLUKA Monte Carl		to tertiary lymphoid structures.	
Hybrid TOF-PFT/MRI local transceiver coil Glowacz, Bartosz Hybrid TOF-PFT/MRI local transceiver coil The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter Hybry, Ellen Marie Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations Huisman, Brent Huisman, Bren	37	Detectors for quality assurance of pencil beam scanning gantries for proton therapy	Gagnon-Moisan, Francis
41The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeterHøye, Ellen Marie42Accelerated Prompt Gamma estimation for clinical Proton Therapy simulationsHuisman, Brent42Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patientsJameson, Michael44Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsawJastrzebski, Jerzy46Fast dose modulation in proton therapy with continuous line scanningKlimpki, Grischa47Criteria of spot a symmetry in proton radiotherapy pencil beam scanning – a Monte Carlo studyKlodowska, Magdalena481910s – revival of an out-of-favor radionuclide?Köster, Ulli49Prompt Gamma-ray Timing experiment during different modalities of proton beam deliveryKormoll, Thomas50Proton Beams for Physics Experiments at OncoRayKormoll, Thomas51Development of the Flair tool for FLUKA Treatment Planning VerificationKozlowska, Wioletta53Front-end electronics and hit position reconstruction methods for the 1-PET scannerKrzemień, Wojciech54Single-cell S-value calculations for Auger-electron emitting radionuclidesKrzemień, Wojciech55Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimatorLétang, Jean56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMairani, Michela57MONDO: a neutron tracker for particle therapy secondary emission fluxes measurementsMarafini, Michela58 </td <td>38</td> <td>Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography</td> <td>Gianoli, Chiara</td>	38	Spatial Resolution Enhancement in Integration-Mode Detectors for Proton Radiography and Tomography	Gianoli, Chiara
Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients Production of and research on medical radiostopes at the heavy lon laboratory, university of warsaw Fast dose modulation in proton therapy with continuous line scanning Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of Spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Criteria of Spot asymmetry in proton radiotherapy enrol beam scanning – a Monte Carlo study Criteria of Spot asymmetry in proton radiotherapy enrol beam scanning – a Monte Carlo study of the Italia tool for FLUKA Treatment Planning Verification Croteria enrol electronics and hit position reconstruction methods for the J-PET scanner Croteria enrol electronics and hit position reconstruction methods for the J-PET scanner Croteria enrol electronics and hit position reconstruction methods for the J-PET scanner Croteria electronics and hit position reconstruction methods for the J-PET scanner Croteria electronics and hit position feronstruction methods for the J-PET scanner Croteria electronics and hit position feronstruction methods for the J-PET scanner Croteria electronics and hit position for Auger-electron emitting radionuclides Croteria electronics and hit position for Auger-electron electronic enrol herapy using a track length estimator	39	Hybrid TOF-PET/MRI local transceiver coil	Glowacz, Bartosz
43Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patientsJameson, Michael444Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsawJastrzebski, Jerzy47Fast dose modulation in proton therapy with continuous line scanningKlimpki, Grischa47Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo studyKlodowska, Magdalena481910s – revival of an out-of-favor radionuclide?Koster, Ulli49Prompt Gamma – sy Timing experiment during different modalities of proton beam deliveryKormoll, Thomas50Proton Beams for Physics Experiments at OncoRayKormoll, Thomas51Development of the Flair tool for FLUKA Treatment Planning VerificationKozlowska, Wioletta52Front-end electronics and hit position reconstruction methods for the J-PET scannerKrzemień, Wojciech53Front-end electronics and hit position reconstruction methods for the J-PET scannerLee, Boon54Single-cell S-value calculations for Auger-electron emitting radionuclidesLee, Boon55Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimatorLee, Boon56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMaránii, Andrea57MONDO: a neutron tracker for particle therapy secondary emission fluxes measurementsMaránii, Michela58Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotronMartínez-Rovira,<	41	The influence of chemical composition on quenching in proton irradiation of a new deformable 3D dosimeter	Høye, Ellen Marie
44 Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsaw 46 Fast dose modulation in proton therapy with continuous line scanning 47 Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study 48 1910s – revival of an out-of-favor radionuclide? 49 Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery 49 Proton Beams for Physics Experiments at OncoRay 40 Proton Beams for Physics Experiments at OncoRay 41 Development of the Flair tool for FLUKA Treatment Planning Verification 42 Single-cell 5-value calculations for Auger-electron emitting radionuclides 43 Information of the Carlo simulation of prompt-y emission in proton therapy using a track length estimator 44 MoNDO: a neutron tracker for particle therapy secondary emission fluxes measurements 45 MoNDO: a neutron tracker for particle therapy secondary emission fluxes measurements 46 Infrared study of the biochemical effects in glloma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron 46 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments 47 Monto Carlo simulation of promety-emission in proton irradiation by cytogenetic and molecular methods 48 Monto Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications 49 Monto Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications 40 Monto Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications 40 Monto Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications 41 Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy 42 Oborn, Brad 43 Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy 44 Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X	42	Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations	Huisman, Brent
Fast dose modulation in proton therapy with continuous line scanning Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study Slodowska, Magdalena 1910s – revival of an out-of-favor radionuclide? Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Proton Beams for Physics Experiments at OncoRay Proton Beams for Physics Experiments at OncoRay Proton Beams for Physics Experiments at OncoRay Development of the Flair tool for FLUKA Treatment Planning Verification Single-cell S-value calculations for Auger-electron emitting radionuclides Final Experiments and Application of Prompt-y emission in proton therapy using a track length estimator Final MoNDO: a neutron tracker for particle therapy secondary emission fluxes measurements Final Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron Final MoNDO: a neutron tracker for particle therapy secondary emission fluxes measurements Final Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron Final	43	Correlation of Gross Tumour Volume and metabolic Tumour Volume for non-small cell lung cancer patients	Jameson, Michael
47Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo studyKlodowska, Magdalena481910s – revival of an out-of-favor radionuclide?Köster, Ulli49Prompt Gamma-ray Timing experiment during different modalities of proton beam deliveryKormoll, Thomas50Proton Beams for Physics Experiments at OncoRayKormoll, Thomas51Development of the Flair tool for FLUKA Treatment Planning VerificationKozlowska, Wioletta53Front-end electronics and hit position reconstruction methods for the J-PET scannerKrzemień, Wojciech54Single-cell S-value calculations for Auger-electron emitting radionuclidesLée, Boon55Monte Carlo simulation of prompt-γ emission in proton therapy using a track length estimatorLétang, Jean56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMairaini, Andrea57MONDO: an neutron tracker for particle therapy secondary emission fluxes measurementsMarafiin, Michela58Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotronMartfixez-Rovira, Immaculada59Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragmentsMartisiková, Maria61Visualizion of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methodsMiszczyk, Justyna62Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applicationsMontag-Gruel, Pierre-Gabriel63Application of biophysical modelling for normal tissue resp	44	Production of and research on medical radioisotopes at the heavy ion laboratory, university of warsaw	Jastrzebski, Jerzy
48 1910s – revival of an out-of-favor radionuclide? Köster, Ulli 49 Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Kormoll, Thomas 51 Development of the Flair tool for FLUKA Treatment Planning Verification Kozlowska, Wioletta 53 Front-end electronics and hit position reconstruction methods for the J-PET scanner Krzemień, Wojciech 54 Single-cell S-value calculations for Auger-electron emitting radionuclides 55 Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator 56 Recent Improvements and Applications of the FLUKA Monte Carlo code in Hadrontherapy 57 MONDO: a neutron tracker for particle therapy secondary emission fluxes measurements 58 Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan) 58 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments 59 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments 60 Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods 61 Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation 62 Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications 63 Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy 64 Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation 65 Park, Agnieszka 66 Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells 67 Park, Woo Yoon 68 The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas 69 Pompt gamma imaging of passively shaped proton fields with a knife-edge slit camera 60 Prompt gamma imaging of passively shaped proton fields with a knif	46	Fast dose modulation in proton therapy with continuous line scanning	Klimpki, Grischa
48 1910s – revival of an out-of-favor radionuclide? Köster, Ulli 49 Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery Kormoll, Thomas 51 Development of the Flair tool for FLUKA Treatment Planning Verification Kozlowska, Wioletta 53 Front-end electronics and hit position reconstruction methods for the J-PET scanner Krzemień, Wojciech 54 Single-cell S-value calculations for Auger-electron emitting radionuclides 55 Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator 56 Recent Improvements and Applications of the FLUKA Monte Carlo code in Hadrontherapy 57 MONDO: a neutron tracker for particle therapy secondary emission fluxes measurements 58 Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan) 58 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments 59 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments 60 Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods 61 Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation 62 Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications 63 Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy 64 Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation 65 Park, Agnieszka 66 Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells 67 Park, Woo Yoon 68 The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas 69 Pompt gamma imaging of passively shaped proton fields with a knife-edge slit camera 60 Prompt gamma imaging of passively shaped proton fields with a knif	47	Criteria of spot asymmetry in proton radiotherapy pencil beam scanning – a Monte Carlo study	Klodowska, Magdalena
For the Beams for Physics Experiments at OncoRay Development of the Flair tool for FLUKA Treatment Planning Verification Front-end electronics and hit position reconstruction methods for the J-PET scanner Krzemień, Wojciech Single-cell S-value calculations for Auger-electron emitting radionuclides Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Edtang, Jean Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Edtang, Jean Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Edtang, Jean Mairani, Andrea Mairani, Andrea Mairani, Andrea Marafini, Michela Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron Immaculada Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments Martišíková, Maria Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods Miszczyk, Justyna Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oborn, Brad Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation FRED: a fast MC tool for treatment planning and dose verification in proton therapy Pregnitz, Morlen Pregnitz, Marlen Priegnitz, Marlen	48		-
For the Beams for Physics Experiments at OncoRay Development of the Flair tool for FLUKA Treatment Planning Verification Front-end electronics and hit position reconstruction methods for the J-PET scanner Krzemień, Wojciech Single-cell S-value calculations for Auger-electron emitting radionuclides Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Editang, Jean Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Editang, Jean Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Editang, Jean Mairani, Andrea Mairani, Andrea Marafiin, Michela Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron Immaculada Martisiková, Maria Montay-Gruel, Pierre- Gabriel Application of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre- Gabriel Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Montay-Gruel Pierre- Gabriel Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation FRED: a fast MC tool for treatment planning and dose verification in proton therapy Pregnitz, Marlen Pregnitz, Marlen	49	Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery	Kormoll, Thomas
51Development of the Flair tool for FLUKA Treatment Planning VerificationKozlowska, Wioletta53Front-end electronics and hit position reconstruction methods for the J-PET scannerKrzemień, Wojciech54Single-cell S-value calculations for Auger-electron emitting radionuclidesLee, Boon55Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimatorLeétang, Jean56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMairani, Andrea57MONDO: a neutron tracker for particle therapy secondary emission fluxes measurementsMarafini, Michela58Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan)Martínez-Rovira, Immaculada59Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragmentsMartišíková, Maria60Evaluation of NSCS Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain IrradiationMontay-Gruel, Pierre-Gabriel61Induction of NSCS Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain IrradiationMontay-Gruel, Pierre-Gabriel62Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applicationsOborn, Brad63Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapyOita, Masataka64Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiationParek, Woo Yoon67FIRED: a f	50		
54Single-cell S-value calculations for Auger-electron emitting radionuclidesLee, Boon55Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimatorLétang, Jean56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMairani, Andrea57MONDO: a neutron tracker for particle therapy secondary emission fluxes measurementsMarafini, Michela58Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan)Martificez-Rovira, Immaculada59Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragmentsMartifiková, Maria60Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methodsMiszczyk, Justyna61Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain IrradiationMontay-Gruel, Pierre-Gabriel62Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applicationsOborn, Brad63Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapyOita, Masataka64Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiationPanek, Agnieszka66Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cellsPark, Woo Yoon68The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomasPetersen, Jørgen <td>51</td> <td>Development of the Flair tool for FLUKA Treatment Planning Verification</td> <td>Kozlowska, Wioletta</td>	51	Development of the Flair tool for FLUKA Treatment Planning Verification	Kozlowska, Wioletta
Monte Carlo simulation of prompt-y emission in proton therapy using a track length estimator Recent Improvements and Applications of the FLUKA Monte Carlo code in Hadrontherapy MONDO: a neutron tracker for particle therapy secondary emission fluxes measurements Montagini, Michela Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan) Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments Martišíková, Maria Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods Miszczyk, Justyna Montay-Gruel, Pierre-Gabriel Application of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo Priegnitz, Marlen	53	Front-end electronics and hit position reconstruction methods for the J-PET scanner	Krzemień, Wojciech
56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMairani, Andrea57MONDO: a neutron tracker for particle therapy secondary emission fluxes measurementsMarafini, Michela58Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan)Martínez-Rovira, Immaculada59Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragmentsMartísíková, Maria60Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methodsMiszczyk, Justyna61Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain IrradiationMontay-Gruel, Pierre-Gabriel62Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applicationsOborn, Brad63Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapyOita, Masataka64Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiationPanek, Agnieszka66Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cellsPark, Woo Yoon67FRED: a fast MC tool for treatment planning and dose verification in proton therapyPatera, Vincenzo68The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomasPetersen, Jørgen70Prompt gamma imaging of passively shaped proton fields with a knife-edge slit cameraPriegnitz	54	Single-cell S-value calculations for Auger-electron emitting radionuclides	Lee, Boon
56Recent Improvements and Applications of the FLUKA Monte Carlo code in HadrontherapyMairani, Andrea57MONDO: a neutron tracker for particle therapy secondary emission fluxes measurementsMarafini, Michela58Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan)Martínez-Rovira, Immaculada59Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragmentsMartisíková, Maria60Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methodsMiszczyk, Justyna61Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain IrradiationMontay-Gruel, Pierre-Gabriel62Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applicationsOborn, Brad63Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapyOita, Masataka64Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiationPanek, Agnieszka66Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cellsPark, Woo Yoon67FRED: a fast MC tool for treatment planning and dose verification in proton therapyPatera, Vincenzo68The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomasPetersen, Jørgen70Prompt gamma imaging of passively shaped proton fields with a knife-edge slit cameraPriegnitz	55	Monte Carlo simulation of prompt-γ emission in proton therapy using a track length estimator	Létang, Jean
Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron (Jordan) Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells FRED: a fast MC tool for treatment planning and dose verification in proton therapy The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Priegnitz, Marlen	56		•
(Jordan) Immaculada 59 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments Martišíková, Maria 60 Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods Miszczyk, Justyna 61 Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel 62 Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Oborn, Brad 63 Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka 64 Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Panek, Agnieszka 66 Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon 67 FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo 68 The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen 70 Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera	57	MONDO: a neutron tracker for particle therapy secondary emission fluxes measurements	Marafini, Michela
(Jordan) Immaculada 59 Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments Martišíková, Maria 60 Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods Miszczyk, Justyna 61 Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel 62 Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Oborn, Brad 63 Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka 64 Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Panek, Agnieszka 66 Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon 67 FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo 68 The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen 70 Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera	58	Infrared study of the biochemical effects in glioma cells induced by x-rays and Gd nanoparticles: first studies at SESAME synchrotron	Martínez-Rovira,
Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Fused Toes Homolog (FTS) regulates EGF-induced epithelial—mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon FRED: a fast MC tool for treatment planning and dose verification in proton therapy The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen			Immaculada
Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation Montay-Gruel, Pierre-Gabriel Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Fused Toes Homolog (FTS) regulates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical cancer cells FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo Petersen, Jørgen Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera	59	Visualization of target inhomogeneities in carbon ion radiotherapy using nuclear fragments	Martišíková, Maria
Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Oborn, Brad Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Fused Toes Homolog (FTS) regulates EGF-induced epithelial–mesenchymal transition (EMT) and migration of cervical cancer cells FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen	60	Evaluation of the DNA damage induced by 60 MeV proton irradiation by cytogenetic and molecular methods	Miszczyk, Justyna
Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications Oborn, Brad Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Panek, Agnieszka Fused Toes Homolog (FTS) regulates EGF-induced epithelial–mesenchymal transition (EMT) and migration of cervical cancer cells FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera	61	Induction of NSCs Quiescence and Neurogenesis Preservation in Mouse Adult Brain after FLASH Whole Brain Irradiation	Montay-Gruel, Pierre-
Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy Oita, Masataka Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Fused Toes Homolog (FTS) regulates EGF-induced epithelial—mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen			Gabriel
Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Panek, Agnieszka Fused Toes Homolog (FTS) regulates EGF-induced epithelial—mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen	62	Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications	Oborn, Brad
Comparative evaluation of the in vitro the comet assay for the detection of genotoxic effects of 60 MeV protons and X-ray radiation Panek, Agnieszka Fused Toes Homolog (FTS) regulates EGF-induced epithelial—mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen	63	Application of biophysical modelling for normal tissue response with immunological aspects in radiotherapy	Oita, Masataka
Fused Toes Homolog (FTS) regulates EGF-induced epithelial—mesenchymal transition (EMT) and migration of cervical cancer cells Park, Woo Yoon FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen			•
FRED: a fast MC tool for treatment planning and dose verification in proton therapy Patera, Vincenzo The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen Priegnitz, Marlen	66	· · · · · · · · · · · · · · · · · · ·	
The efficacy of IMRT, VMAT and IMPT to deliver highly conformal FET-PET guided boost in gliomas Petersen, Jørgen Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen			•
70 Prompt gamma imaging of passively shaped proton fields with a knife-edge slit camera Priegnitz, Marlen	68	· · · · · · · · · · · · · · · · · · ·	<u> </u>
			_
	71		

72	Nuclear fragmentation in protontherapy	Rebello Teles, Patricia
73	Internalization of iron nanoparticles by macrophages for the improvement of glioma treatment	Reymond, Solveig
74	Clinical applicability of the Compton camera for Prompt γ-ray Imaging during proton therapy	Rohling, Heide
75	A model for the relative biological effectiveness of protons based on the linear energy transfer spectrum	Rørvik, Eivind
76	Design of an innovative beam monitor for particle therapy for the simultaneous measurement of beam fluence and energy	Sacchi, Roberto
77	Variance Reduction of Monte Carlo Simulation in Nuclear Medicine	Saidi, Pooneh
78	Reduced side effects by proton minibeam radiotherapy in a mouse ear model	Schmid, Thomas
79	Helium and Oxygen beam models in TRiP98: implementation, treatment planning tests and experimental verification	Scifoni, Emanuele
80	Size dependence of GNPs dose enhancement effects in cancer treatment – Geant4 and MCNP code	Sharabiani, Marjan
81	Therapeutical Dose to Thyroid Remnants Determination for Low-risk Thyroid Carcinoma Patient Treated with rhTSH and 1.1 GBq 131	Solný, Pavel
82	Augmented reality supporting innovation and accuracy in advanced radiation therapy facilities	Spoto, Salvatore
83	Improved proton stopping power ratio estimation for a deformable 3D dosimeter using Dual Energy CT	Taasti, Vicki
84	Organizational response of the hypothalamus and pituitary to external beam radiation	Taku, Nicolette
85	Monte Carlo validation of the microPET FOCUS PET scanner using FLUKA	Toufique, Yassine
86	4D dose calculations: Tetrahedral meshes versus voxel-based structures	Touileb, Yazid
87	Realization of an innovative Dose Profiler for online range monitoring in particle therapy treatments	Traini, Giacomo
88	Ocular Brachytherapy Dosimetry for 103Pd and 125I in The Presence of Gold Nanoparticles: Monte Carlo Study	Vahidian, Mohamad
89	GEANT4 versus MCNP5: Monte-Carlo ophthalmic brachytherapy dosimetry in the presence of gold nanoparticles for 125I and 103Pd	Vahidian Qazvini, Shervin
90	Assessment of MicroDiamond PTW 60019 detector and its use in small radiosurgery fields of Leksell Gamma Knife	Veselsky, Tomas
91	ENTERVISION biological dosimetric phantom. Proof of concept and results	Viana Miranda Lima,
		Thiago
92	Evaluation of Patients Dose in PET Studies from CT Contrast Agents	Viana Miranda Lima,
		Thiago
93	Proton radiotherapy at PTC Czech in Prague	Vilimovský, Jan
94	Yield study and optimization of nuclear isotopes for cancer treatment and diagnostics with ISOLTRAP/CERN	Welker, Andree
95	Sonification as a method to distinguish the isometric force of Attention Deficit Hyperactivity Disorder (ADHD) compared to control	Williams, Genevieve
	participants	
96	Sonification to investigate gait transition	Williams, Genevieve
97	HIF- 1α plays a key role in the response of HNSCC cancer stem cells to photon and carbon ion exposures	Wozny, Anne-Sophie
98	Small fields dose calculation algorithms in the presence of lung inhomogeneity	Zergoug, Ismail
99	The mobile PET insert for simultaneous PET/MRI imaging	Zieliński, Marcin
100	The use of nanoparticles to improve hadrontherapy	Bolsa Ferruz, Marta
101	The Medicis-Promed Marie Curie training network	Stora, Thierry
102	MIGRT and Radiobiophotonics	Papineni, Rao