

X JUNIOR POSTER TECHNICAL SESSIONS

MAY 7, TUESDAY

Biblioteca - TOTEN 1

J R01 - Nuclear Reactor Physics, Advanced Nuclear Reactors

J R02 - Nuclear Reactor Thermal Hydraulics, Reactor Safety Analysis, Nuclear Reactor Licensing and Regulation

J R04 - Artificial Intelligence and Virtual Reality, Nuclear Reactor Instrumentation and Control, Man Machine Interface

J R05 - Structural Mechanics, Nuclear Reactor Fuel Fabrication and Design, Fuel Cycle Management and Services

J R06 - Nuclear Power Plant Viability, Design, Construction and Operation, Environmental Impact Applied to Nuclear Reactors and Fuel Cycle

J R07 - Nuclear Security

J I06 - Human Resources and Professional Development

Time	Paper ID	Title / Authors
14:30 - 14:45	JR01_ 23837	Initial Safety Parameters Evaluation of a PWR Loaded with Reprocessed Fuel <i>Matheus Henrique dos Santos Araújo, Graiciany de Paula Barros, Keferson de Almeida Carvalho, Andre Augusto Campagnole dos Santos, Vítor Vasconcelos Araújo Silva.</i>
14:45 - 15:00	JR01_ 23840	Neutronic study of ELECTRA using reprocessed fuel and depleted uranium <i>Paola Machado Almeida, Clarysson Alberto Mello da Silva, Jefferson Quintão Campos Duarte, Claúbia Pereira.</i>
15:00 - 15:15	JR01_ 23939	Assessment of Neutronic Parameters of the Angra 2 Core with Transuranic Fuels <i>Lucas Vinicius Gonçalves Chaves, João Pedro Cunha Melo, Victor Faria de Castro, Patrícia Amélia de Lima Reis, Claúbia Pereira, Bezerra Lima, Rafael Miró.</i>
15:15 - 15:30	JR01_ 23942	Neutronic Evaluation of a Hybrid Nuclear System Based on a Lead Microreactor <i>João Pedro Cunha Melo, Lucas Chaves, Samuel Fernandes, Natália Gonçalves, Karytha Corrêa, José Cassimiro, Carlos Velasquez, Clarysson da Silva, Claúbia Pereira.</i>
15:30 - 15:45	JR01_ 24145	Neutronic analysis of the NuScale reactor with Serpent and Polaris <i>Samuel Victor Fernandes Silva, Lucas Vinicius Gonçalves Chaves, Natália Gonçalves Peixoto Lelis Oliveira, Teresa Maria Barrachina Celda, Rafael Miró Herrero, Cláudia Pereira Bezerra Lima.</i>
15:45 - 16:00	JR02_ 24152	Comparison of Experimental Results with CFD Simulations for Pressure Loss in Perforated Plates <i>Mateus Chalub, Wallen Ferreira de Souza, Graiciany de Paula Barros, Edson Ribeiro, Vítor Vasconcelos Araújo Silva, André Augusto Campagnole dos Santos.</i>
16:00 - 16:15	JR02_ 24165	Simplified Thermohydraulic Analysis of a Dual-Cooled Annular Fuel Rod in a Single Subchannel <i>Juliana Campos Saigado, Jinhong Yu, Eneida Regina Guimarães Dourado Ribeiro, Su Jian.</i>
16:15 - 16:30	JR04_ 23717	Nuclear Accident Identification for a PWR Nuclear Power Plant Using the Cuckoo Optimization Algorithm with Don't Know Response Generation <i>Diego José Silva Nuzza de Souza, Andressa dos Santos Nicolau.</i>
16:30 - 17:00	Coffee Break (Biblioteca)	
17:00 - 17:15	JR04_ 23812	Preliminary Investigation of a Multisignal Deep Learning Model for Plasma Current Disruption Classification <i>Matheus da Cruz Silva, Marcelo Carvalho dos Santos, Roberto Schirru, Gustavo Paganini Canal.</i>
17:15 - 17:30	JR04_ 23828	Enhancing Temperature Estimation in Qualified Life Systems: An Investigation into Outlier Detection Methods Using Neural Networks and Statistical Approach <i>João Victor Sigaud, Bernardo Mendonça Caixeta, Matheus da Cruz Silva, Marcelo Carvalho dos Santos, Andressa dos Santos Nicolau, Roberto Schirru, Marcos das Candeias da Silva, Grazielle Frazão Muzitano, Marcelo de Castro Justino.</i>
17:30 - 17:45	JR04_ 23912	Nuclear Analytical Techniques Applied to Determine Ore Hardness Using Artificial Intelligence

Thiago Augusto de Almeida, Addressa dos Santos Nicolau, Roberto Schirru, Marcos de Paiva Bueno.

17:45 - 18:00	JR05_ 24087	Verification of Steel Plate as Target for 9 Meter High Cask Drop Tests <i>Lucca Daré Venturini, Cláudio Cunha Lopes, Vitor Vasconcelos, Araújo Silva, Luiz Leite da Silva, Emerson Giovanni Rabello, Graiciany de Paula Barros. André Augusto Campagnole dos Santos.</i>
18:00 - 18:15	JR05_ 24257	Dynamic behavior of rotationally restrained pipes conveying a single-phase fluid: integral transform solutions <i>Natacha Gonçalves Camargo, Su Jian.</i>
18:15 - 18:30	JR06_ 23948	A Strengths, Weakness, Opportunities and Threads analysis of the Molten Salt Fast Reactor (MSFR) implementation in Brazil <i>Geovana Carvalho Silva, Tiago Augusto Santiago Vieira, Keferson de Almeida Carvalho, Rebeca Cabral Gonçalves, Yasmin Martins Carvalho, Vitor Vasconcelos Araújo Silva, Graiciany de Paula Barros, Andre Augusto Campagnole dos Santos.</i>
18:30 - 18:45	JR07_ 23784	Application of Cavity Ring Down Spectroscopy in the monitoring of gases resulting from failures in nuclear fuels <i>Priscila Matos Santos, Eduardo Landulfo, Gabriel Peixoto, Gabriel Pompei, Marcus Paulo Raele.</i>
18:45 - 19:00	JI06_ 23928	Utilization of Ionizing Radiation in Alzheimer's Treatment <i>Carolina Costa Zama, Amir Zacarias Mesquita, Walewska Gouveia Silva, Ana Thereza Chaves Lages.</i>

Biblioteca - TOTEN 4

J I01 - Energy Generation Sector, Advances in New Nuclear Power Plants Deployment and Technology Innovations & trends

J I04 - Public Awareness, sustainability and social impact of nuclear technologies

J I05 - Nuclear Safety & Security, non-Proliferation, Safeguards and Nuclear Forensics, Radioprotection and Safety Culture

J E01 - Dosimetry and Nuclear Instrumentation

Time	Paper ID	Title / Authors
14:30 - 14:45	JI01_ 24183	Análise de Cogeração de Eletricidade, Água Dessalinizada e Hidrogênio Rosa a partir de um Micro Reator Nuclear de 75 MWt <i>Guilherme Gottens, Renato Machado Cotta, Emerson Barbosa dos Anjos, Carolina Palma Naveira Cotta</i>
14:45 - 15:00	JI04_ 24181	Algoritmo para Coordenação de Enxame de Drones no Sensoriamento de um Terreno <i>Francisco Nazário Pereira Júnior, Wallace Vallory Nunes.</i>
15:00 - 15:15	JI05_ 23678	Análise do Ponto de Controle do Reator Argonauta <i>Gustavo Claassen, Eara de Souza Luz Oliveira.</i>
15:15 - 15:30	JI05_ 24096	Knowledge Of Dental Professionals And Students Regarding Radiological Protection In Dentistry: An Integrative Review <i>Luana Cruz Santiago, Karen Borges Waltrick, Ramon Paiva Ribeiro, Francieli Bernardo Ribeiro, Apolinário de Oliveira Botelho, Cristiny Tretto Lemes Pereira Dutra, Andrea Huhn, Daiane Cristini Barbosa de Souza.</i>
15:30 - 15:45	JI05_ 24097	Evaluation of the effective dose in an abdominal CT protocol using Virtual Dose® and NCICT® softwares <i>Maria Eduarda Vieira Cidral, Camila Faria Ribeiro, Isadora Tomanqueves Costa, Francieli Bernardo Ribeiro, Alexandre Maciel Rolim, Cristiny Tretto Lemes Pereira Dutra, Gerusa Ribeiro, Daiane Cristini Barbosa de Souza.</i>
15:45 - 16:00	JI05_ 24156	Estimation of Diagnostic Reference Levels (DRLs) in Interventional Procedures Performed at a Radiology Service in Southern Brazil <i>Fernando Rockembach Mazuim, Isadora Tomanqueves Costa, Florencia Agustina Perez Gutierrez, Cristiny Tretto Lemes Pereira Dutra, Marcos Araquem Scopel, Cátia Simone Griebler Gomes, Tiago Trindade Hahn, Daiane Cristini Barbosa de Souza.</i>
16:00 - 16:15	JE01_ 23659	On the Half-Value Layer Determination of X Reference Radiation Fields According to ISO 4037-1:2019 Methodology <i>William Valadas, Teógenes Augusto da Silva, Claudete Roberta Evangelista</i>
16:15 - 16:30	JE01_ 23728	Calibração de dosímetros de polimetilmetacrilato para dosimetria em irradiador gama industrial utilizando Fricke. <i>Leonardo Gualberto Silva Macedo, Daniel Silva Calheiro, Lorena Soares Fonseca, Amir Zacarias Mesquita, Thessa Cristina Alonso.</i>
16:30 - 17:00	Coffee Break (Biblioteca)	

17:00 - 17:15	JE01_ 23733	Calibração de sistema dosimétrico termoluminescente para avaliação da distribuição de doses em hemocomponentes <i>Lorena Soares Fonseca, Daniel Silva Calheiro, Leonardo Gualberto Silva Macedo, Amir Zacarias Mesquita, Thêssa Cristina Alonso, Peterson Lima Squair</i>
17:15 - 17:30	JE01_ 23734	Comparison of Deposited Energy in Different Breast Compositions with Monte Carlo Simulation <i>Gabriel de Miranda, Alexander Camargo Firmino da Silva, Josilene Cerqueira Santos</i>
17:30 - 17:45	JE01_ 23738	Evaluation of the beam properties of a linear accelerator operating at 6 MeV energy <i>Douglas Luz, Arthur de Souza Borges Zuchetti Alves, Lúcio Pereira Neves, Ana Paula Perini, William de Souza Santos</i>
17:45 - 18:00	JE01_ 23852	Python software for data processing and quality control in HPGe detectors <i>Gustavo Pires Bertaco, Paulo Sergio Cardoso da Silva, Guilherme Soares Zahn, Bruno Fonseca da Silva, Renato Semmler.</i>
18:00 - 18:15	JE01_ 23853	Isotopic Enrichment of Lithium-6 for Thermoluminescent Dosimeter Application. <i>Daniela Gonçalves Santos, Juliana Ikebe Otomo, João Ferreira Coutinho, Vanderlei Sérgio Bergamaschi, José Oscar William Vega Bustillos.</i>
18:15 - 18:30	JE01_ 23902	Potential Application of CdS Photoresistor with Open-Source Software for X-ray Detection <i>Vanessa Martiniano Guimarães, Pedro Gabriel Fernandes Mundim Paiva, Josilene Cerqueira Santos.</i>
18:30 - 18:45	JE01_ 23906	Radiochromic Film EBT3 Calibration for Linear Accelerator <i>Marcela De Moraes Freitas, Caio Fernando Teixeira Portela, Guilherme Cavalcante de Albuquerque Souza, Fernanda Stephanie dos Santos, Arnaldo Prata Mourão, Adriana de Souza Medeiros Batista.</i>
18:45 - 19:00	JE01_ 24015	A comparison of Planned dose in TBI VMAT treatment to Measurement Using Portal Dosimetry®, IBA Matrix®, and TLD-100® <i>Lucas Furtado Braga do Nascimento, Juan Valani Marques de Sousa, Eider Lima da Silva, Diego Silva Olbi, André Luiz Espindola Fidelis, Maria Luiza Miranda, Luiz Antonio Ribeiro da Rosa, Simone Coutinho Cardoso.</i>

Biblioteca - TOTEN 7

J E01 - Dosimetry and Nuclear Instrumentation

J E02 - Applications to the Environment

J E03 - Applications in Health and Industry

Time	Paper ID	Title / Authors
14:30 - 14:45	JE01_ 24062	Estudo da Teoria da Cavidade por meio do Método de Monte Carlo utilizando o Código Geant4 <i>Maria Clara Vicente de Souza Leite Coelho, Denison de Souza Santos.</i>
14:45 - 15:00	JE01_ 24081	Crescimento de Cristais Cintiladores Inorgânicos pela Técnica de Bridgman para uso como Detectores de Radiação <i>Nayla Franciely da Silva, João Paulo Da Silva Alves, Maria da Conceição Costa Pereira.</i>
15:00 - 15:15	JE02_ 23698	Preliminary study on the preparation of fish samples with As doping aiming at applying nuclear techniques for qualitative and quantitative analysis <i>João Paulo Almeida, Francisco José de Oliveira Ferreira, Rogério Chaffin Nunes, Luciana Carvalheira.</i>
15:15 - 15:30	JE02_ 23805	Metais em solo, uma avaliação da biodisponibilidade em Parque Recreativo e suas influências na saúde de indivíduos expostos <i>Gabriella Braz, Luana Caroline Domingos da Silva, Janice Pereira de Sá Souza, Waldecy Ananias da Silva, Vivianne Lúcia Bormann de Souza.</i>
15:30 - 15:45	JE02_ 23822	Radon Concentration in Different Buildings Levels <i>Isabela Nicomedes Silva Ferreira, Julia Batista Severo, Laura Cardoso Takahashi, Carolina Santos Lamounier, Rose Mary Marques Pinheiro, Ricardo Gomes Passos.</i>
15:45 - 16:00	JE02_ 23845	Methodology for studying the routes of human exposure to natural radioactivity in different environmental matrices <i>Júlia Severo, Laura Cardoso Takahashi, Isabela Nicomedes Silva Ferreira, Natalia Fonseca Taveira, Ricardo Gomes Passos, Stela Dalva Santos Cota.</i>
16:00 - 16:15	JE02_ 23909	Avaliação da concentração de metais no solo da área de influência do Reservatório Biritiba Mirim, São Paulo <i>Thiago Costa Silva, Sandra Regina Damatto, Pedro do Nascimento Gonçalves.</i>
16:15 - 16:30	JE02_ 23987	Metodologia de Separação e Identificação de Microplásticos em Águas dos Canais de Santos e Análise por Ativação Neutrônica para Identificação de Contaminantes <i>Vitória Ravaneli, Jacinete Lima dos Santos, Duclerc Fernandes Parra.</i>
16:30 - 17:00	Coffee Break (Biblioteca)	

17:00 - 17:15	JE02_ 24043	Ions and Metals in Polystyrene Samples by X-Ray Fluorescence Technique <i>Thales Zanin dos Santos de Oliveira, Cibele Bugno Zamboni, Bárbara Cardozo, João Felizardo, Roberto Meigikos.</i>
17:15 - 17:30	JE02_ 24138	Study of Mineral Dissolution in a Uranium Mining Waste Pile <i>Ruan Carlos Rocha Alves, Carlos Alberto de Carvalho Filho, Thiago Fernando Avila Navarro, Nilva Pereira Lopes.</i>
17:30 - 17:45	JE02_ 24141	Geochemical evaluation of radionuclides in soil near a dismantled Th and U pilot plant in São Paulo, Brazil <i>Kaique Oliveira, Marcelo Redigolo, Regina Ticcianelli, Marycel Cotrim, Paulo de Cardoso, Iara Camargo.</i>
17:45 - 18:00	JE03_ 23673	The Historical Background of Quality Management at LIM/CDTN <i>Alexandre Vilaça Silva, Rodrigo Modesto Gadelha Gontijo, Andréa Vidal Ferreira.</i>
18:00 - 18:15	JE03_ 23709	Comparison of techniques for protein extraction from fungi found on a radiopharmaceutical manufacturing plant <i>Laura Cavalcante Cidrão, Luan Junior Dos Silva, Vinicius Lima Torres Dos Santos, Carlos Farias Felgueiras, Margareth Mie Nakamura Matsuda.</i>
18:15 - 18:30	JE03_ 23716	Tissue Reactions (Deterministic Effects) in Diagnostic and Interventional Radiology: An Integrative Review of Recent Literature <i>Laisa Neves, Ana Cristina Murta Davales, Lucia Viviana Canevaro.</i>
18:30 - 18:45	JE03_ 23777	Caracterização do material de aplicador para tratamento de lesões superficiais em braquiterapia <i>Marcela De Moraes Freitas, Juan Carlos Chrisostomo Lamônica, Mariana de Oliveira Reis, Adriana de Souza Medeiro Batista, Luciana Batista Nogueira, Jony Marques Geraldo, Clara Bicalho Nascimento, Arnaldo Mafra.</i>
18:45 - 19:00	JE03_ 23808	Implementation of Iodine 131 Obtaining Methodology by Neutronic Activation in the Argonauta Reactor <i>Ramon Matias Nunes Mendonça, Francisco Jose de Oliveira Ferreira.</i>

MAY 8, WEDNESDAY

Biblioteca - TOTEN 1

J E03 - Applications in Health and Industry

J E04 - Applications in Agriculture and Food

Time	Paper ID	Title / Authors
14:30 - 14:45	JE03_ 23901	3D Modeling of Complex Geometries with Blender for Monte Carlo Simulations <i>Larissa Gabriela Oliveira de Santana, André Luiz Espindola Fidelis, Lucas Furtado Braga do Nascimento, Felipe Marques Lucas de Souza, Luiz Antonio Ribeiro da Rosa, Simone Coutinho Cardoso.</i>
14:45 - 15:00	JE03_ 23903	Estudos Patológicos em Úteros por Microtomografia de Raios X <i>Larissa Moura Gonçalves, Olga Maria de Oliveira Araujo, Alessandra Silveira Machado, Pedro Castro, Ricardo Tadeu Lopes.</i>
15:00 - 15:15	JE03_ 23905	Síntese de nanopartículas magnéticas e análise estrutural através de espectroscopia nuclear <i>Hugo dos Santos, Tatiane da Silva Nascimento Sales, Adilson Guerra, Arthur Carbonari, Luciano Fabricio, Bruno Santos Correa, Rajendra Narain Saxena.</i>
15:15 - 15:30	JE03_ 23915	Using TOPAS MC to assess how bone/water heterogeneity influences monoenergetic proton beams <i>Tomás Ferreira Dias Costa de Vasconcelos, Ruy da Silva Rayol Neto, Lucas Furtado Braga do Nascimento, Tude Braga Andrade, Luiz Antonio Ribeiro da Rosa, Simone Coutinho Cardoso.</i>
15:30 - 15:45	JE03_ 23932	Image Quality evaluation of a small animal PET scanner using Ga-68 Isotope <i>Victoria Moreira Garcia, Anna Clara Moreira da Silva, Rodrigo Modesto Gadelha Gontijo, Andrea Vidal Ferreira.</i>
15:45 - 16:00	JE03_ 23953	Effectiveness test of disinfectants to eliminate biofilm in radiopharmacy <i>Luan Junior dos Santos, Margareth Mie Nakamura Matsuda, Laura Cavalcante Cidrão, Carlos Farias Felgueiras, Vinicius Lima Torres de Oliveira.</i>
16:00 - 16:15	JE03_ 24026	Produção pelo método sol-gel do metavanadato CaV2O6 e sua caracterização pelas técnicas DRX e Correlação Angular Gama-Gama Diferencial no Tempo <i>Renata Maziviero, Luciano Fabricio Dias Pereira, Anastasia Burimova, Arnaldo Alves Miranda Filho, Anderson Souza Pereira, Rajendra Narain Saxena, Artur Wilson Carbonari.</i>
16:15 - 16:30	JE03_ 24086	Análise da influência da radiação com feixe de elétrons na resistência ao impacto da blenda de PVB com Poliamida 6 e PVB irradiado com Poliamida 6 <i>Iago Vinicio Silva, Vanessa Morreira Soares, Julio Harada, Leonardo Gondim de Andrade e Silva.</i>
16:30 - 17:00	Coffee Break (Biblioteca)	

17:00 - 17:15	JE03_ 24106	HPLC-DAD method development using multivariate approaches for quality control of [18F]FES <i>Ana Góes Morais, Cassiano Lino dos Santos Costa, Marina Bicalho Silveira.</i>
17:15 - 17:30	JE03_ 23820	Organ Uptake in Biodistribution Studies of [18F]DPA-714 Radiotracer <i>Christiana da Silva Leite, Juliana de Oliveira Silva, Brígida Gomes de Almeida Schimmer, João Vitor Reis Marques, Ianara Pereira Silva, Douglas Boniek Navarro, Juliana Batista da Silva.</i>
17:30 - 17:45	JE03_ 23873	Zoomorphic mouse phantom for applications in small animals PET scanner: initial tests <i>Anna Clara Moreira da Silva, Andrea Vidal Ferreira, Ester Maria Rodrigues de Andrade, Rodrigo Modesto Gadelha Gontijo, Bruno Melo Mendes.</i>
17:45 - 18:00	JE03_ 24176	Improvement of Technetium-Labeled Phytate Radiochemical Quality Control <i>Vicenzo San Felipe Couri, Margareth Mie Nakamura Matsuda.</i>
18:00 - 18:15	JE03_ 24199	Avaliação da radioatividade natural em uma residência de Belo Horizonte <i>Sueli Coelho, Talita de Oliveira Santos, Laura Cardoso Takahashi, Ricardo Gomes Passos.</i>
18:15 - 18:30	JE03_ 24219	Efeito de diferentes fontes de irradiação na redução do óxido de grafeno e aumento de escala <i>Antony Alves de Oliveira, Miguel Duarte, Solange K. Sakata.</i>
18:30 - 18:45	JE04_ 23643	Brazilian and International Legislation Related to Ionizing Irradiation Practices in Food <i>Bianca Senário Félix, Amir Zacarias Mesquita, Thêssa Cristina Alonso, Mariana Alonso Natividade, Renata Cordeiro Lopes.</i>
18:45 - 19:00	JE04_ 23763	Determining Experimental Conditions for Soybean by Neutron Activation Analysis <i>Julia Ponchio Muraro, Iberé Souza Ribeiro Junior.</i>

Biblioteca - TOTEN 4

J E01 - Dosimetry and Nuclear Instrumentation

J E04 - Applications in Agriculture and Food

J E05 - Radioactive Waste

Time	Paper ID	Title / Authors
14:30 - 14:45	JE04_ 23954	Análise Multielementar de Suplementos Alimentares Utilizando Raios-X <i>Thales Zanin dos Santos de Oliveira, Cibele Bugno Zamboni.</i>
14:45 - 15:00	JE04_ 24215	Effects of Ionizing Radiation on the Animal Supplement Aminomix <i>Mariana de Albuquerque Nacaratti, Aline Lopes de Souza, Thayná Felizardo dos Santos, Guilherme Henrique Domingos de Franco, Maria José Neves.</i>
15:00 - 15:15	JE05_ 23798	Characterization of Concrete as a Barrier for Radioactive Waste Disposal <i>Jhenifer Ketelin Neves Souza, Clédola Cássia Oliveira de Tello.</i>
15:15 - 15:30	JE05_ 23801	Applicability of the Standard ABNT ISO 9001 in CENTENA <i>Ana Luiza Lima Crespo, Clédola Cassia Oliveirade Tello, Maria Judite Afonso Haucz.</i>
15:30 - 15:45	JE05_ 23863	Methods for determining the cation exchange capacity (CEC) of a soil mixture with bentonite <i>Keli dos Reis Oliveira, Clédola Cássia Oliveira de Tello.</i>
15:45 - 16:00	JE05_ 23929	Radioactive Waste Sampling by Laser Ablation Sample Transfer (LAST) <i>Gabriel Peixoto Pinheiro da Silva, Renata Facundes da Costa, Gabriel Secassi Percinoto Pompei, Priscila Matos, Marcus Paulo Raele.</i>
16:00 - 16:15	JE05_ 23931	Sampling of radioactive materials via laser ablation <i>Gabriel Secassi Percinoto Pompei, Marcus Paulo Raele, Priscila Costa, Gabriel Peixoto Pinheiro da Silva, Renata da Costa.</i>
16:15 - 16:30	JE05_ 24001	Determinação de Sr-90 por Cintilação em Fase Líquida <i>Nicole Aguiar Silva, Cátia Heloisa Rosignoli Saueria, Marcelo Bessa Nisti, Paulo Sergio Cardoso da Silva.</i>

16:30 - 17:00 Coffee Break (Biblioteca)

17:00 - 17:15	JE05_ 24008	HPGe detector calibration and determination of metallic impurities in irradiated [18O]H ₂ O at CDTN cyclotron facility <i>Helena Carvalho Souza, Raquel Gouvêa dos Santos, Guilherme Santos Lima.</i>
17:15 - 17:30	JE05_ 24101	Determinação de U e Th nos Ensaios de Lixiviação de Resíduos Oriundos do Processamento da Cassiterita <i>Luana de Oliveira, Andrey Linhares Bezerra de Oliveira, Katia de Cassia Barbosa Alexandre, Arnaldo Alcover Neto, Rosilda Maria Gomes de Lima, Su Jian.</i>

17:30 - 17:45	JE01_ 23659	Análise de Cogeração de Eletricidade, Água Dessalinizada e Hidrogênio Rosa a partir de um Micro Reator Nuclear de 75 MWt <i>Guilherme Gottens, Renato Machado Cotta, Emerson Barbosa dos Anjos, Carolina Palma Naveira Cotta.</i>
17:45 - 18:00	JE01_ 23830	Computational Simulation of Multilayer Samples for Thickness Measurement by Transmittance of Characteristic X-Ray <i>Lucas da Costa De Souza, Elcardo Alves de Souza Gonçalves, Renato Pereira de Freitas, Andrew Lucas de Lima Santos</i>
18:00 - 18:15	JE01_ 23850	Determinação de Curvas e Eficiência para Detector HPGe e Valor Médio do Coeficiente de Absorção em Amostra Extensa <i>Julia Oliveira Arpiani, Guilherme Soares Zahn, Frederico Antonio Genezini, José Agostinho Gonçalves de Medeiros</i>
18:15 - 18:30	JE01_ 23938	Campo de nêutrons externos ao fluxo térmico padrão 1 do LNMRI/LN caracterizado para testes de equipamentos na grandeza equivalente de dose ambiente H*(10) <i>Hasnna Miranda Alves Farage, Simone da Silva Fernandes, Antônio Carlos Ferreira, Angela Souza Gonçalves, Karla Cristina de Souza Patrão, Walsan Wagner Pereira.</i>
18:30 - 18:45	JE01_ 24020	Combining 3D Printing with OSL Dosimeters for Extremity Monitoring <i>Gabriel Henrique Rocha Barreto de França, Helen Jamil Khoury Viviane Khoury Asfora, Vinicius Saito Monteiro de Barros.</i>
16:45 - 19:00	JE01_ 24180	Validation of a Photon Beam from the Electron Beam Produced by the Interaction of Photons with the Medium Using the Monte Carlo Method <i>Tude Braga Andrade, Ruy da Silva Rayol Neto, Lucas Furtado Braga do Nascimento, Daniele da Silva Machado, Luiz Antonio Ribeiro da Rosa, Simone Coutinho Cardoso.</i>

Biblioteca - TOTEN 7

J E01 - Dosimetry and Nuclear Instrumentation

J R02 - Nuclear Reactor Thermal Hydraulics, Reactor Safety Analysis, Nuclear Reactor Licensing and Regulation

J E03 - Applications in Health and Industry

J E05 - Radioactive Waste

Time	Paper ID	Title / Authors
14:30 - 14:45	JE01_ 24202	Coefficientes de Conversão em Radiodiagnóstico Utilizando Método de Monte Carlo <i>Marco Antonio Frota Lima, Clarisse F. Alcantara, Ian A. Kastrup</i>
14:45 - 15:00	JE02_ 23889	Determinação de 226-Ra, 228-Ra, 228-Th e 210-Pb em Águas Minerais <i>Nicolly Santana de Oliveira, Paulo Sérgio Cardoso da Silva.</i>
15:00 - 15:15	JE02_ 23940	Experimental Investigation of Gamma Radiation Use for Pre-Treatment of Sugarcane Bagasse (Saccharum spp.) <i>Isabel Mourão, Leonardo Yago Zwetsch Varela, Amir Zacarias Mesquita, Thêssa Cristina Alonso, Daniel Bastos de Rezende, Érika Cristina Cren.</i>
15:15 - 15:30	JE02_ 23970	Determinação de 226Ra, 228Ra, 228Th e 210Pb em Águas Minerais <i>Nicolly Santana de Oliveira, Paulo Sérgio Cardoso da Silva, Paulo Sergio Cardoso da Silva.</i>
15:30 - 15:45	JE03_ 23725	Prevalence of Chondrocalcinosis on Knee Radiographs and Associations with Sociodemographic Factors: The Brazilian Longitudinal Study of Adult Health Musculoskeletal (ELSA-Brasil MSK) <i>Vitória dos Santos Cunha, Luciana Batista Nogueira, Rodrigo Alves Pinto, Luciana Costa-Silva, Amanda Marcelle Ambrosio Oliveira, Ana Beatriz Vargas Santos. Sandhi Maria Barreto, Rosa Weiss Telles.</i>
15:45 - 16:00	JE03_ 23755	Avaliação do teor de pureza de Ti metálico para aplicações radiofarmacêuticas <i>Gustavo Seiji Pó, Lilian Ninoska Muriel Braguin, Iberê Ribeiro de Souza Junior, Paulo Sérgio Cardoso da Silva.</i>
16:00 - 16:15	JE03_ 23799	Aplicação da Microtomografia Computadorizada nas Ciências Odontológicas <i>Gabriel José Costa Teles, Alessandra Silveira Machado, Ricardo Tadeu Lopes.</i>
16:15 - 16:30	JE03_ 23818	IMPLEMENTATION OF IODINE 131 OBTAINING METHODOLOGY BY NEUTRONIC ACTIVATION IN THE ARGONAUTA REACTOR <i>Ramon Matias Nunes Mendonça, Francisco Jose de Oliveira Ferreira, Luciana Carvalheira, Vanessa Gonzalez Ferreira Caminha Martins, Rogério Chaffin Nunes.</i>
16:30 - 17:00	Coffee Break (Biblioteca)	
17:00 - 17:15	JE03_ 23842	Boron determination in polyethylene by EDXRF <i>Mariane de Oliveira Scapin, Marcos Antonio Scapin, Marycel Elenena Barbosa Cotrim.</i>
17:15 - 17:30	JE03_ 23899	A 3D Printing Based Anthropomorphic Eye Phantom Development <i>André Luiz Espindola Fidelis, Maria Luiza Miranda Maciel, Dirceu Dias Pereira, Luiz Antonio Ribeiro da Rosa, Simone Coutinho Cardoso.</i>

17:30 - 17:45	JE03_ 24164	<p>Validation of a Simple and Fast Method for Determination of Residual Solvents in (18F) FDG</p> <p><i>Caio Barbosa Andrade, Cassiano Souza Lino Costa, Marina Bicalho Silveira.</i></p>
17:45 - 18:00	JE03_ 24170	<p>High-Throughput Production of Malignant Melanoma Spheroids (SK-MEL-37) using Simple Plate Treatment and Automated Fluorescence Microscopy Analysis</p> <p><i>Suleyna Ribeiro Prudente, Esther Carolina dos Santos, Giovana Dias da Silva, Mayelle Maria Paz Lima, Patricia Lima Falcão, Thais Monteiro da Silva, Daniel Perez Vieira.</i></p>
18:00 - 18:15	JE03_ 24206	<p>Study of reconstruction algorithms for neutron tomography using open source software</p> <p><i>Victor Seixas Locateli, Frederico Antônio Genezini, Marco Antônio Stanojev Pereira, Mário Olímpio de Menezes.</i></p>
18:15 - 18:30	JE05_ 23904	<p>Equation proposal for evaluating the level of surface contamination of metal scrap with NORM</p> <p><i>Vanderlei de Moura, Claúbia Pereira.</i></p>
18:30 - 18:45	JE05_ 24017	<p>Análise da Ag-108m em Rejeitos Radioativos</p> <p><i>Kauã Cardoso da Silva, Tânia de Paula Brambilla Tchobnian, Paulo Sergio Cardoso da Silva.</i></p>