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PAPERS

Isaac Meyer, Nils Peters, Giulia Tamborino, Hoyeon Lee, Alejandro Bertolet, Bruce Faddegon, Matthew M. Mille, Choonsik Lee, Jan Schuemann, and Harald Paganetti. "A framework for in-field and out-of-field patient specific secondary cancer risk estimates from treatment plans using the TOPAS Monte Carlo system". In: *Physics in Medicine & Biology* (2024). DOI: https://doi.org/10.1088/1361-6560/ad64b6.

K. Joshi, N. Branam, **Meyer, I.**, B. Forget, A. Alhajri, and V. Sobes. "An Analytic Benchmark for Neutron Boltzmann Transport with Downscattering Part III: Uncertainty Propagation and Multigroup Covariance Matrices". In: *Nuclear Science and Engineering* 197.7 (2023), pp. 1356–1363.

Pablo Ducru, Abdulla Alhajri, **Meyer, Isaac**, Benoit Forget, Vladimir Sobes, Colin Josey, and Jingang Liang. "Windowed multipole representation of R-matrix cross sections". In: *Phys. Rev. C* 103 (6 June 2021), p. 064610. DOI: 10.1103/PhysRevC.103.064610. URL: https://link.aps.org/doi/10.1103/PhysRevC.103.064610.

Isaac C. Meyer, Todd J. Urbatsch, and John M. Scott, "Simulation of Hohlraum Wall Texture for Improved Performance in Hohlraums," Los Alamos National Laboratory Report, LA-UR-16-26348, August 15, 2016.

POSTERS & MEETINGS

Isaac Meyer, Raj Tummala, Naoki Domínguez Kondo, Natalia Carrasco-Rojas, Wesley Bolch, José Ramos-Méndez, Bruce Faddegon, Harald Paganetti, and Jan Schuemann (2024). Generation of a phasespace library for small animal radiotherapy with application in a multiscale Monte Carlo approach. Readiation Research Society 2024 Annual Meeting. Tucson, Arizona

Isaac Meyer, Nils Peters, Giulia Tamborino, Alejandro Bertolet, Choonsik Lee, Jan Schuemann, and Harald Paganetti (2023). A novel approach for patient specific secondary cancer risk estimates from treatment plans using the TOPAS Monte Carlo system. 17th International Congress for Radiation Research. Montreal, Canada.

Isaac Meyer, Andrew Holcomb, and Benoit Forget (2021). Preliminary Results for Temperature-Dependent Propagation of Resonance Parameter Uncertainty. Nuclear Criticality Safety Program Technical Program Review (TPR). Virtual, Oak Ridge, Tennessee.

Isaac Meyer, Vladimir Sobes, and Benoit Forget (2019). Improving Nuclear Data Library Predictability by Accounting for Temperature Effects Using Resonance Parameters. International Conference on Nuclear Criticality Safety (ICNC). Paris, France.

I.C. Meyer, T.J. Urbatsch, and J.M. Scott (2017). Simulation of Hohlraum Wall Texture for Improved Performance in Hohlraums. Podium Presentation at the American Nuclear Society Student Conference. Pittsburgh, Pennsylvania.

I.C. Meyer, B.L. Goldblum, E.F. Matthews, J.A. Brown, B.A. Ludewigt, N.R. Patel, B.J. Quiter, V.V. Mozin, E.T.E Reedy, H.A. Seipel , and A.W. Hunt (2016). Non-Destructive Assay via Gamma Ray Spectroscopy Using FIER. Poster presented at the NSSC Nuclear Safeguards and Security Summer School. Los Alamos, New Mexico.

I.C. Meyer, B.L. Goldblum, E.F. Matthews, J.A. Brown, B.A. Ludewigt, N.R. Patel, B.J. Quiter, V.V. Mozin, E.T.E Reedy, H.A. Seipel , and A.W. Hunt (2015). Benchmarking the FIER Code for Non-Destructive Assay. Poster presented at the University & Industry Technical Interchange (UITI). Raleigh, North Carolina.