

Selected Presentations

Andrew S. Voyles

July 5, 2023

- A.S. Voyles, “ ^{169}Yb Gamma Calibration Source Production.” Microcalorimetry and Nuclear Data (MiND 2023), Washington, D.C.. 28 June 2023. (invited)
- A.S. Voyles, “Nuclear Data Needs for Auger Electrons.” Microcalorimetry and Nuclear Data (MiND 2023), Washington, D.C.. 27 June 2023. (invited)
- A.S. Voyles, “Investigating high-energy proton-induced reactions: Implications for level densities and the preequilibrium exciton model.” 16th Varenna Conference on Nuclear Reaction Mechanisms, Varenna, Italy. 13 June 2023.
- A.S. Voyles, “Investigating high-energy proton-induced reactions: Implications for level densities and the preequilibrium exciton model.” Ohio University Institute of Nuclear & Particle Physics Seminar Series, Athens, OH. 18 October 2022. (invited)
- A.S. Voyles, “Isotope Production Needs for Uncertainty Quantification.” Nuclear Data Uncertainty Quantification Working Meeting, *online*. 12 October 2022. (invited)
- A.S. Voyles, “Isotope Production Activities at LBNL: The Tri-Lab Effort in Nuclear Data (TREND), and Novel Production Pathways for ^{225}Ac .” 18th International Workshop on Targetry and Target Chemistry, Whistler, Canada. 24 August 2022.
- A.S. Voyles, “Investigating High-Energy Proton-Induced Reactions: Implications for Level Densities and the Preequilibrium Exciton Model.” 8th Workshop on Nuclear Level Density and Gamma Strength, Oslo, Norway. 10 May 2022.
- A.S. Voyles, “Nuclear data for isotope production: From Level Densities to the Bedside.” Lawrence Berkeley National Laboratory Nuclear Science Division Staff Meeting, Berkeley, CA. 29 June 2021. (invited)
- A.S. Voyles, “Nuclear data for isotope production.” Symposium on Radiotherapeutics: From Isotope Production to Targeted Delivery, American Chemical Society Spring 2021 Meeting, *online*. 06 April 2021. (invited)
- A.S. Voyles, “ $^{238}\text{U}(\text{p},\text{xn})$ and $^{235}\text{U}(\text{d},\text{xn})$ $^{235-237}\text{Np}$ Nuclear Reaction Cross Sections Relevant to the Production of $^{236\text{g}}\text{Np}$.” Workshop for Applied Nuclear Data Activities, *online*. 03 February 2021.
- A.S. Voyles, “Nuclear Data 101: Predictive Codes for Isotope Production.” Workshop for Applied Nuclear Data Activities, *online*. 27 January 2021. (invited)
- A.S. Voyles, “Targetry Fabrication for Nuclear Data Measurements.” Workshop for Applied Nuclear Data Activities, Washington, D.C.. 04 March 2020. (invited)
- A.S. Voyles, “Using New Radiopharmaceuticals to Treat Disease.” Nerd Nite East Bay, Oakland, CA. 24 June 2019. (invited)
- A.S. Voyles, “Novel Production Methods for ^{225}Ac .” Lawrence Berkeley National Laboratory Nuclear Science Division Staff Meeting, Berkeley, CA. 05 March 2019. (invited)
- A.S. Voyles, “Capabilities for Isotope Production Nuclear Data Measurements at LBNL.” Workshop for Applied Nuclear Data Activities, Washington, D.C.. 23 January 2019. (invited)

- A.S. Voyles, “Isotope Production Activities at LANSCE-IPF: Development of a new Nb(p,x)⁹⁰Mo Monitor Reaction and La(p,x) Production Cross-Section Measurements.” 2018 LANSCE User Group Meeting, Santa Fe, NM. 05 November 2018. (invited)
- A.S. Voyles, “Isotope Production Activities at LBNL and LANSCE-IPF: Development of a new Nb(p,x)⁹⁰Mo Monitor Reaction and Fe,La(p,x) Production Cross-Section Measurements.” 17th International Workshop on Targetry and Target Chemistry, Coimbra, Portugal. 30 August 2018.
- A.S. Voyles, “Isotope production cross section measurements at the HFNG, LANL-IPF, and LBNL.” 14th Nordic Meeting on Nuclear Physics, Longyearbyen, Norway. 24 May 2018.
- A.S. Voyles, “Cross-Section Measurements for Novel Medical Radionuclides at UCB/LBNL: The Challenge of ‘Simple’ Experiments.” UC Berkeley NE Dept. Graduate Colloquium, Berkeley, CA. 12 February 2018. (invited)
- A.S. Voyles, “Medical Isotope Production at Berkeley.” University of Oslo Nuclear Physics Summer School, Oslo, Norway. 19 May 2017. (invited)
- A.S. Voyles, “Spin Distribution of Excited Nuclear States in ^{nat}Fe(p,αn).” 6th Workshop on Nuclear Level Density and Gamma Strength, Oslo, Norway. 08 May 2017.
- A.S. Voyles, “Experimental Activities in Berkeley.” US National Nuclear Data Week (CSEWG), Upton, NY. 14 November 2016.
- A.S. Voyles, “⁶⁴Cu and ⁴⁷Sc (n,p) Cross-Section Measurements for Medical Radionuclide Production.” 16th International Workshop on Targetry and Target Chemistry, Santa Fe, NM. 30 August 2016.
- A.S. Voyles, “Neutron Cross-Sections for Radionuclide Production” (Poster). University & Industry Technical Interchange 2016 Review Meeting, Raleigh, NC. 07 June 2016.
- A.S. Voyles, “GEANT4 Simulation of Irradiation Facilities and Neutron Sources at University of Utah TRIGA for Nuclear Forensics and Detection.” AICHE Annual Meeting, Minneapolis, MN. 19 October 2011.
- A.S. Voyles, “GEANT4 Simulation of Irradiation Facilities and Neutron Sources at University of Utah TRIGA for Nuclear Forensics and Detection.” 2nd National Conference in Advancing Tools and Solutions for Nuclear Material Detection, Salt Lake City, UT. 02 May 2011.
- A.S. Voyles, “GEANT4 Simulation of Irradiation Facilities at University of Utah TRIGA (2011).” ANS Student Conference, Atlanta, GA. 15 April 2011.

1 ORGANIZATION OF CONFERENCES AND SYMPOSIA

- Co-Chair, Microcalorimetry and Nuclear Data (MiND 2023) Workshop, 27–28 June 2023.
- Session Chair, “Department of Energy Isotope Programs”, Workshop for Applied Nuclear Data Activities, 27 February – 02 March 2023.
- Session Chair, “Predictive Codes for Isotope Production”, Workshop for Applied Nuclear Data Activities, 25 January – 03 February 2021.