

## Selected Presentations

**Andrew S. Voyles**

November 16, 2023

- A.S. Voyles, “Nuclear Data Needs for High-Energy (p,x) Isotope Production & Evaluation.” IAEA Technical Meeting on Nuclear Data for Medical Applications, Vienna, Austria. 28 August 2023. (invited)
- A.S. Voyles, “Methods for preparation and characterization of thin arsenic targets for stacked-target experiments.” American Chemical Society Fall 2023 Meeting, San Francisco, CA. 17 August 2023.
- A.S. Voyles, “ $^{169}\text{Yb}$  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.” 16<sup>th</sup> 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  $^{225}\text{Ac}$ .” 18<sup>th</sup> 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.” 8<sup>th</sup> 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  $^{225}\text{Ac}$ .” 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  $\text{Nb(p,x)}^{90}\text{Mo}$  Monitor Reaction and  $\text{La(p,x)}$  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  $\text{Nb(p,x)}^{90}\text{Mo}$  Monitor Reaction and  $\text{Fe,La(p,x)}$  Production Cross-Section Measurements.” 17<sup>th</sup> 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.” 14<sup>th</sup> 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  $^{\text{nat}}\text{Fe(p,}\alpha\text{n)}$ .” 6<sup>th</sup> 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, “ $^{64}\text{Cu}$  and  $^{47}\text{Sc}$  (n,p) Cross-Section Measurements for Medical Radionuclide Production.” 16<sup>th</sup> 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.” 2<sup>nd</sup> 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.