

WANDA 2022 Photon Reactions and Transport Session

In this session we will be discussing high-energy x-ray and gamma-ray data used in diagnostic and imaging applications. Of particular interest are photon-induced nuclear reactions such as photoabsorption, photoneutron, and photofission. Aspects of the photon data throughout the nuclear data pipeline will be covered including experiments, theory and evaluation, data library production, and use in applications simulations. We hope to touch on various questions including.

- List of topics
 - Applications and their needs ([Cameron Miller](#), [Brian Quiter](#), [Joseph Bendahan](#), [Mohammad Ahmed](#))
 - Data compilations - i.e., evaluated data ([Toshihiko Kawano](#))
 - Experimental facilities ([Ying Wu](#), [Norbert Pietralla](#))
 - Theory ([Erich Ormand](#))
 - Processing and V&V ([Wim Haeck](#), [Caleb Mattoon](#))
 - Transport codes ([Michael Rising](#), [Vladimir Ivantchenko](#))
- What we want from each topic
 - What is currently available
 - What are the needs
 - How do we fulfil needs, and what are the priorities and the timelines
- Any questions or comments about the wants?