

Contributions to Measuring the Value of Neutron Sources

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Neutron sources produce immense socioeconomic value, and this value must be objectively measured and clearly communicated to the governments that fund them. Yet measuring the impacts of the knowledge that is produced from research is challenging. In addition, they produce other benefits from training highly qualified people for a science and technology workforce or from other missions that are enabled by the same facility, such as production of medical isotopes. This talk will present the contributions of TVB Associates and its collaborators to measuring, predicting or communicating the value of compact neutron sources or research reactor sources in each of three areas: (1) determining the economic impact of knowledge from research using neutrons, (2) developing a business case for leveraging a compact source for isotope production, and (3) extracting meaningful insights from the online career data of former students who used the source during their university education.

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