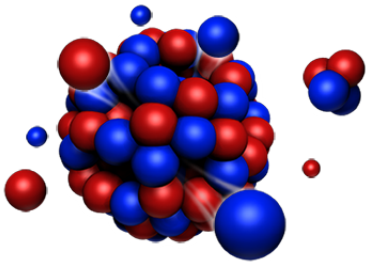

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World-wide activities in CANS

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The term Compact Accelerator-driven Neutron Sources (CANS) has been coined to refer to a novel class of neutron sources based on accelerators running at low enough energies to not induce spallation in the target material. Initially these sources have been used to provide neutron beams at a scale suitable for a University or small research organization. Such facilities have been centers of innovation and education for several decades, but recently organizations have been starting to consider this class of source at considerably larger scale. In this overview, I will summarize the current state of the art for CANS-style facilities and review a few recent examples of significant technology/technique development that demonstrate the importance of CANS facilities to the World's neutron ecosystem.

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