

Abstract Submitted
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Data Evaluation of ${}^9\text{C}$ ¹ BESHOI GREES, Lipscomb University — TUNL is part of an international network of Nuclear Structure and Decay Data evaluators (NSDD) and the U.S. Nuclear Data Program (USNDP) that perform evaluations of published nuclear experimental articles for the Evaluated Nuclear Structure Data File (ENSDF). ENSDF is a complete evaluation of all experimental nuclear data on a particular nuclide and contains a dataset of recommended nuclear properties and parameters of that particular nuclide and thus this data is important for various nuclear applications including, but not limited to, planning and interpreting scientific experiments, nuclear medicine, reactor design and operation, and radiation safety. All published data on ${}^9\text{C}$ was reviewed and evaluated. The current ${}^9\text{C}$ ENSDF was updated and prepared to submit, and a new dataset of recommended properties, such as decay modes, level energies, and radiation properties was produced.

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