

Abstract Submitted
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A Science Gateway for Atomic and Molecular Physics¹ B. I. SCHNEIDER, National Institute of Standards and Technology, K. BARTSCHAT, K. R. HAMILTON, O. ZATSARINNY, Drake University, I. BRAY, Curtin University, A. SCRINZI, Ludwig-Maximilians Universität, F. MARTIN, J. GONZALEZ-VAZQUEZ, Universidad Autonoma de Madrid, J. TENNYSON, University College London, J. D. GORFINKIEL, The Open University, S. PAMIDIGHANTAM, Indiana University and the eXtreme Science and Engineering Discovery Environment (XSEDE). — We describe the creation of a new Atomic and Molecular Physics science gateway [1,2]. It is designed to bring together members of the AMP community to work collectively on making their codes publicly available and easy to use. A project such as this requires the developers to work on issues of portability, documentation, ease of input, as well as ensuring that the codes run on a variety of architectures. We present an outline of our efforts to build the gateway, the current status as discussed in a recent workshop held at NIST on Dec 11-13, 2019, and our long-range plans to further extend the functionality of the gateway. [1] <https://ampgateway.org/> [2] <https://arxiv.org/abs/2001.02286>

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Barry Schneider
National Institute of Standards and Technology

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