

A NEW FEMTOSECOND XUV SOURCE AT THE UNIVERSITY OF WISCONSIN

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In this presentation, we discuss a femtosecond tabletop extreme ultraviolet (XUV) source using high-harmonic generation in a gas target and its application towards studying the ultrafast dynamics of condensed matter systems. We will overview the building and design of the instrument, characterization of the source, preliminary data of systems containing first-row transition metals, and plans for future experiments.