

QNAMI PROTEUSQ: A COMMERCIAL SOLUTION UNLOCKING MAGNETIC FIELD MEASUREMENTS IN 2D MATERIALS

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The ability to resolve minute magnetic fields with nanoscale resolution makes scanning NV magnetometry an intriguing tool to analyze 2D materials. In this talk we discuss the capabilities of scanning NV magnetometry and how the technique can be applied to van-der-Waals magnets. We elaborate on the recent progress in the field and reveal potential future applications of scanning NV magnetometry. Finally, we discuss the specs of Qnami ProteusQ, the first commercially available scanning NV magnetometer, in the context of van-der-Waals heterostructures.