

**Supplemental Material for
Neutron Spin Resonance in the Heavily Hole-doped KFe_2As_2 Superconductor**

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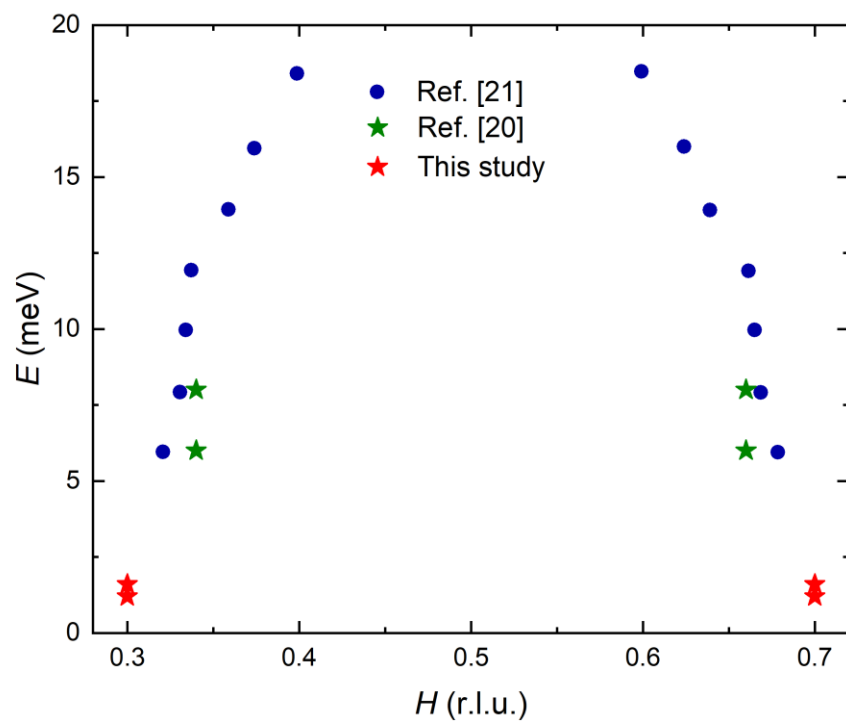


FIG. S1: Dispersion of spin excitations in KFe_2As_2 . The data at high energies (≥ 6 meV) are adapted from Refs. [20,21].