

Sensitivity comparison

	ODMR [1]	GSLAC [2]	LFDM
η (nT/ $\sqrt{\text{Hz}}$)	0.015	0.3	116
V (μm^3)	$5.2 \cdot 10^6$?	$3.3 \cdot 10^3$
η_v (nT $\mu\text{m}^{3/2}\text{Hz}^{-1/2}$)	34	?	6700

[1] Barry, J. F. [...] Walsworth, R. L (2016). PNAS, 113(49), 14133-14138.

[2] Zheng, H.[...] Budker, D. (2020). Physical Review Applied, 13(4), 044023.

	ODMR	GSLAC	LFDM
Microwave free	✗	✓	✓
Low magnetic field (<10 G)	✓	✗	✓
Robust to T° and B-field inhomogeneities	✗	✗	✓
Orientation free (polycrystalline, powder)	✗	✗	✓