



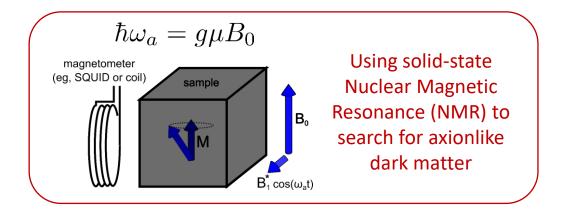
EDM coupling:
$$H_{EDM} \propto \boldsymbol{\sigma} \cdot (a_0 \boldsymbol{E}^*) \cos(\omega_a t)$$
 Gradient coupling: $H_{grad} \propto \boldsymbol{\sigma} \cdot (\boldsymbol{\nabla} a_0) \cos(\omega_a t)$
$$H_{CASPEr} \propto \boldsymbol{\sigma} \cdot \boldsymbol{B}_1^* \cos(\omega_a t)$$





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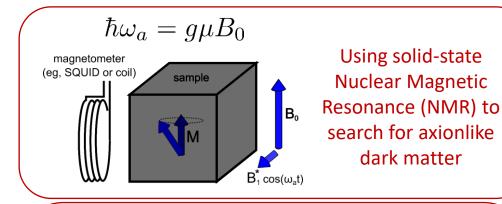






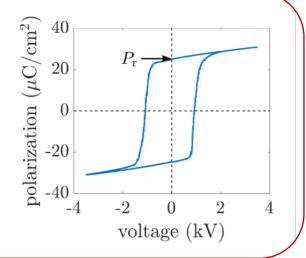
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²⁰⁷Pb based PMN-PT ferroelectric crystal with large effective electric field



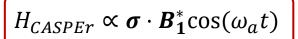


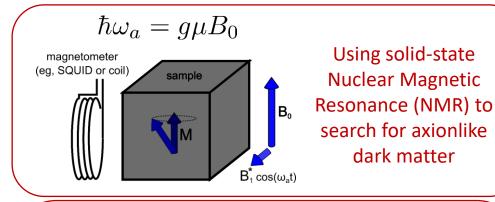


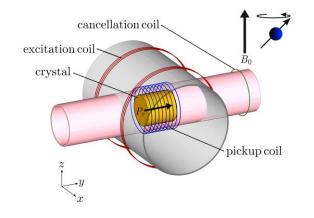


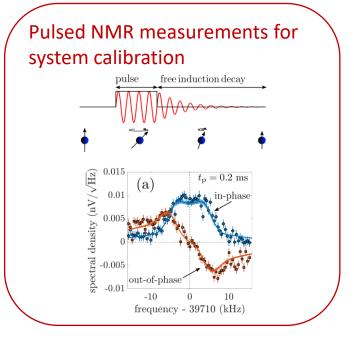
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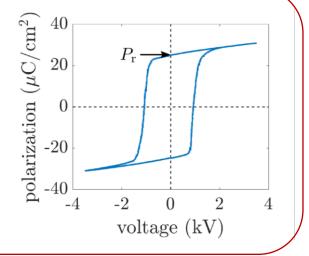






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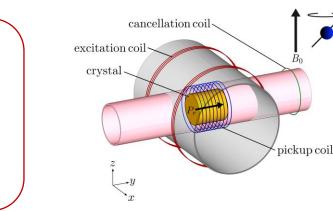


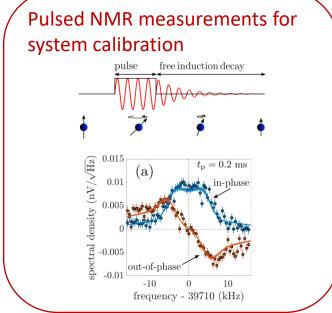


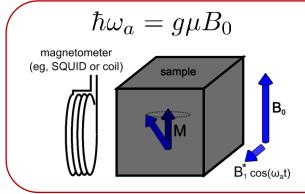
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Using solid-state
Nuclear Magnetic
Resonance (NMR) to
search for axionlike
dark matter

²⁰⁷Pb based PMN-PT ferroelectric crystal with large effective electric field



