

先端基礎研究センター設立
30周年記念特別号

THE 30TH ASRC ANNIVERSARY
1993———2023
PHYSICS x MATERIALS

milli-million : 10^6
不可能不可能版 : 10^{20}

Chiral spin rotation > 1 GHz

$\frac{\partial \mathbf{E}}{\partial t} + (\mathbf{E} \cdot \nabla) \mathbf{E} = -\nabla \phi + \frac{1}{4\pi} \nabla^2 \mathbf{E}$
 $R_c = \frac{2k_B \mu_B}{\eta}$

Truth = Something valuable

$R_{\text{spin}} = \frac{1}{2} g \mu_B R = \frac{g \mu_B}{2} I_{\text{spin}}$

$\mathbf{H} \cdot \mathbf{B} = \sum_i \mathbf{z}_i \cdot \mathbf{z}_i \omega_i$

Exotic atoms

Quantum Chiral magnets

$\frac{\partial C(T)}{\partial T} = -L \nabla^2 [-e^{-\nabla^2 C} f(C)]$

4Nb 3Ta 10Db

Volatility - High

Volatility - Low

The 9th state