



Ultra-intense laser fields and vacuum anisotropic properties

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We discuss the possibility to measure some magnetized vacuum properties, in particular we focus on the anisotropic properties of vacuum [1] using ultra-intense lasers. This is of additional interest for regions near highly magnetized stars such as pulsars where magnetic fields may reach $\log B(\text{G})=15$.

References

[1] Pérez Rojas, H., Rodríguez Querts, E. The photon magnetic moment problem revisited. *Eur. Phys. J. C* 74, 2899 (2014)