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## **Spin drift in Rashba systems with tilted magnetic fields**

It is well known in Plasma physics that combinations of electric and magnetic fields lead to the drift of charge particles. In this work, we show that with the addition of a tilted magnetic field, drift analogous to that observed in plasmas occurs in systems with Rashba SO interactions. The resulting drift of the charge carriers has a direction dependent on the spin, rather than the charge of the electron or hole, reflecting the origin of this effect in the spin-orbit interaction. From this theoretical analysis we present proposals for experimental observation.

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