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Strong Field Ionization from a P-wave state.

The electronic states of an atom in a uniform electric field are modified by the Stark effect. If the field is strong enough, ionization of the atom eventually occurs due to the tunnel effect.
In the case where the electron is initially in a state of orbital angular momentum < L > perpendicular to the field F, it was expected that the transverse velocity of the extracted electron is in average in the direction of F*< L > : This
azimuthal asymmetry, is analogous to the Collins e¤ect
in quark fragmentation.

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