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Spin-Dependent Limits from DRIFT

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The DRIFT dark matter detector is a 1 m³ scale TPC with direction sensitivity to WIMP recoils operating in the Boulby Mine in England. For many years DRIFT operated with CS₂ as our target gas. Recently we have researched the possibility of mixing a spin-dependent gases to the electronegative CS₂ gas. This effort was successful and we have recently begun underground operation of a 30 Torr CS₂ - 10 Torr CF₄ gas mixture. Spin-dependent limits from these data will be presented.

Auteur: Dr SNOWDEN-IFFT, Daniel (Occidental College)

Orateur: Dr SNOWDEN-IFFT, Daniel (Occidental College)

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