Abstract Submitted
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Intrinsic magnetic behavior in $CrSiTe_3$ monolayers[1] MEHRSHAD MEHBOUDI, Univ of Arkansas-Fayetteville, KYUNGWHA PARK, Virginia Tech, SALVADOR BARRAZA-LOPEZ, Univ of Arkansas-Fayetteville — Intrinsic magnetic two-dimensional semiconductors have great potential in nano-electronics and spintronic devices. In this talk, we investigate $CrSiTe_3$ monolayers, a promising 2D materials which has magnetic behavior according to previous studies [1]. We will verify the magnetic behavior, and complement it with additional results. References: [1] N. Sivadas et al., "Magnetic ground state of semiconducting transition-metal trichalcogenide monolayers," Physical Review B, vol. 91, pp. 235425, 2015.

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