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Two coincidences are a clue: Probing a GeV-scale dark sector

The similarity between dark matter and baryon energy densities suggests the existence of a dark QCD sector analogous to the visible QCD sector. Moreover, small-scale structure issues can be addressed by self-interacting dark matter with a cross section comparable to that of QCD. These two observations together hint at a GeV-scale dark QCD sector. In this talk, I will present how a Chiral Asymmetric Dark Baryon model can address both issues, resulting in a predictive dark sector that can be tested in future direct detection and beam dump experiments.

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