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Large N Composite Dark Matter through the Magnetic Dipole Interaction

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Fermionic dark matter could arise from a strongly interacting dark sector. Dark quarks are bound into neutral composite dark baryons, which can be probed by direct detection experiments through a magnetic dipole interaction. We consider theories where the strong interaction consists of N_c colors, where N_c is odd and large, and place bounds on the parameter space of the theory using direct detection and cosmological constraints.

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