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Additional baryons and mesons

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In a particle theory model whose most readily discovered new particle is the $\sim 1\text{TeV}$ bilepton resonance in same-sign leptons, currently being sought at CERN's LHC, there exist three quarks D, S, T which will be bound by QCD into baryons and mesons. We consider the decays of these additional baryons and mesons whose detailed experimental study will be beyond the reach of the 14 TeV CERN collider and accessible only at an $O(100\text{ TeV})$ collider.

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