

Abstract Submitted  
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**Study of enhancing a hadronic search for supersymmetry with quark/gluon discrimination**<sup>1</sup> LOUIS PENAFIEL, University of California, Riverside — We present studies of applying quark/gluon discrimination in the context of searches for supersymmetry in all hadronic final states with data from the Compact Muon Solenoid experiment. We compare the sensitivity of an established search with a search that utilizes the additional information from quark/gluon discrimination. Results are shown for several simplified model signal topologies.

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