Abstract Submitted
for the SES16 Meeting of
The American Physical Society

A search for supersymmetry in all-hadronic final states using top
tager with the CMS detector at the LHC YAGYA JOSHI, Florida Intl Univ,
CMS COLLABORATION — A search for supersymmetry in all-hadronic events
with missing transverse momentum using top quark tagging is presented. The data
were collected during 2016 in proton-proton collisions at a center-of-mass energy of
13 TeV with the CMS detector at the LHC. Sensitivity to the potential signal, over
a range of scalar-top and neutralino masses is obtained by selecting events into bins
with large missing momentum, MT2, the number of bottom quark and all-hadronic
top quark selected with a top-quark tagger.

Yagya Joshi
Florida Intl Univ

Date submitted: 18 Oct 2016

Electronic form version 1.4