

Area Seminar

Title	Search for new physics in the multijet and missing transverse momentum at CMS
Date and Time	03/04/2014 16:00:00
Speaker	Dr. Seema Sharma (CMS Collaboration)
Area	Theoretical Physics
Venue	Room No. 469
Abstract	<p>An inclusive search for new physics is performed in multijet events with large missing transverse momentum produced in proton-proton collisions at $\text{sqrt}(s)=8$ TeV using a data sample corresponding to an integrated luminosity of 19.5 inverse femtobarns collected with the CMS detector at the LHC. The contribution of standard model processes is estimated using data driven techniques. The observed numbers of events in various search regions are consistent with expected backgrounds. Exclusion limits are presented for several simplified supersymmetric models of squark or gluino pair production. Discussion on SUSY search in multijets+MET final state (hep-ex 1402.4770), and a brief summary of current status of SUSY.</p>