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## CMS in 10 Minutes

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The Large Hadron Collider is one of the most powerful machines in the world, accelerating protons to 99.9999990% of the speed of light to provide 40 million collisions per second at particle detectors such as CMS. The CMS detector is highly versatile, featuring a 4 Tesla solenoid magnet (the largest superconducting magnet ever built!) and over 100 million detection elements in trackers, calorimeters, and muon detectors. CMS physicists were instrumental in the discovery of the Higgs boson in 2012 and are now searching for evidence of many new physics theories such as dark matter, supersymmetry, and extended Higgs sectors.

**Primary author:** HOGAN, Julie (Brown University)

**Presenter:** HOGAN, Julie (Brown University)

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