**CMS DETECTOR**

- **Total weight**: 14,000 tonnes
- **Overall diameter**: 15.0 m
- **Overall length**: 28.7 m
- **Magnetic field**: 3.8 T

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**STEEL RETURN YOKE**

- 12,500 tonnes

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**SUPERCONDUCTING SOLENOID**

- Niobium titanium coil carrying ~18,000A

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**SILICON TRACKERS**

- Pixel (100x150 μm) ~1m² ~66M channels
- Microstrips (80x180 μm) ~200m² ~9.5M channels

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**MUON CHAMBERS**

- Barrel: 250 Drift Tube, 480 Resistive Plate Chambers
- Endcaps: 540 Cathode Strip, 576 Resistive Plate Chambers

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**PRESHOWER**

- Silicon strips ~16m² ~137,000 channels

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**FORWARD CALORIMETER**

- Steel + Quartz fibres ~2,000 Channels

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**CRYSTAL ELECTROMAGNETIC CALORIMETER (ECAL)**

- ~76,000 scintillating PbWO₄ crystals

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**HADRÓN CALORIMETER (HCAL)**

- Brass + Plastic scintillator ~7,000 channels