

Muon subsystem	Drift tube (DT)	Cathode strip chamber (CSC)	Resistive plate chamber (RPC)	Gas electron multiplier (GEM)
$ \eta $ range	0.0–1.2	0.9–2.4	0.0–1.9	1.55–2.18
Number of chambers	250	540	480 (barrel) 576 (endcap)	72
Number of layers/chamber	8 ($R-\phi$) 4 (z , MB1–3)	6	1 2 (RB1, RB2)	2
Surface area of all layers	18 000 m ²	7000 m ²	2300 m ² (barrel) 900 m ² (endcap)	60 m ²
Number of channels	172 000	266 112 (strips) 210 816 (wire groups)	68 136 (barrel) 55 296 (endcap)	442 368
Spatial resolution	100 μ m	50–140 μ m	0.8–1.3 cm	100 μ m
Time resolution	2 ns	3 ns	1.5 ns	<10 ns