

LHC magnets

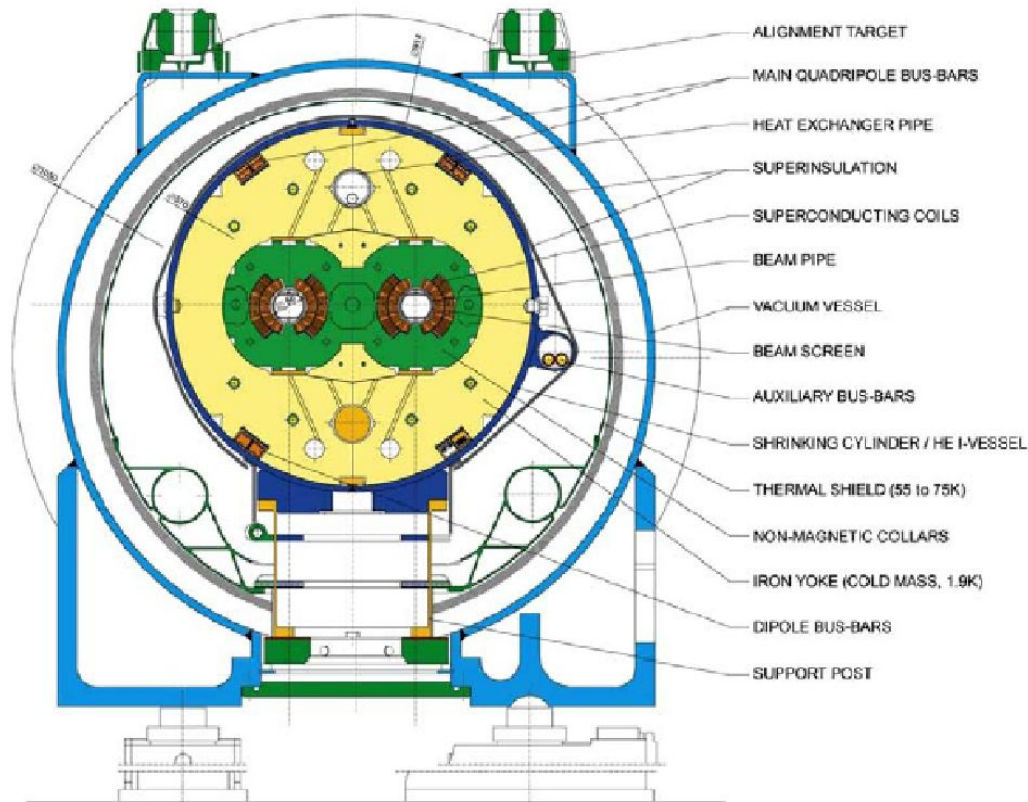


Figure 3.3: Cross-section of cryodipole (lengths in mm).

Tevatron, HERA, RHIC
 $T = 4.2\text{K}$
 $H = 5\text{ Tesla}$

LHC
 $T = 2\text{K}$
 $H = 8.3\text{ Tesla}$

1232 Дипольных магнитов

Диаметр 1 метр, Длина 10 метров