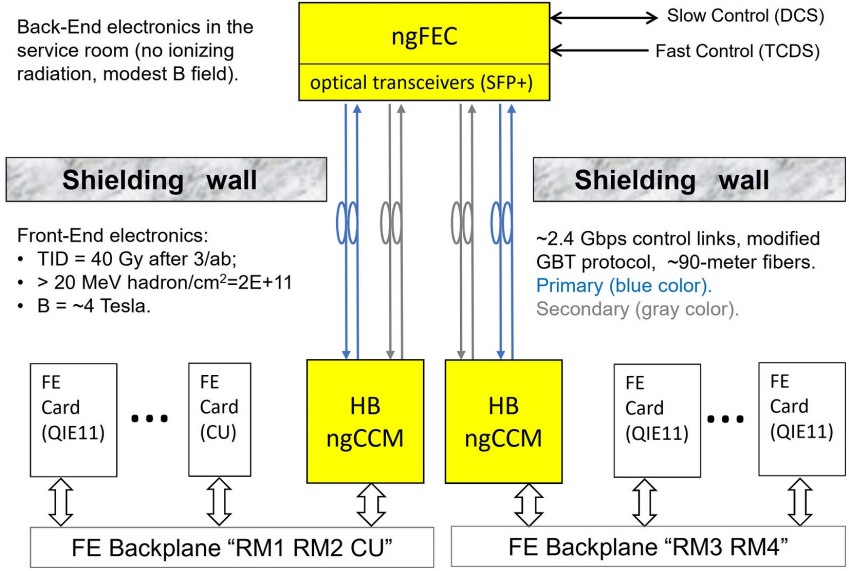
Back-End electronics in the service room (no ionizing radiation, modest B field).
ngFEC
optical transceivers (SFP+)
Slow Control (DCS)
Fast Control (TCDS)
Shielding wall
Shielding wall
Front-End electronics:
• TID = 40 Gy after 3/ab;
• > 20 MeV hadron/cm²=2E+11
• B = ~4 Tesla.
~2.4 Gbps control links, modified GBT protocol, ~90-meter fibers.
Primary (blue color).
Secondary (gray color).
FE Card (QIE11)
FE Card (CU)
HB ngCCM
HB ngCCM
FE Card (QIE11)
FE Card (QIE11)
FE Backplane "RM1 RM2 CU"
FE Backplane "RM3 RM4"