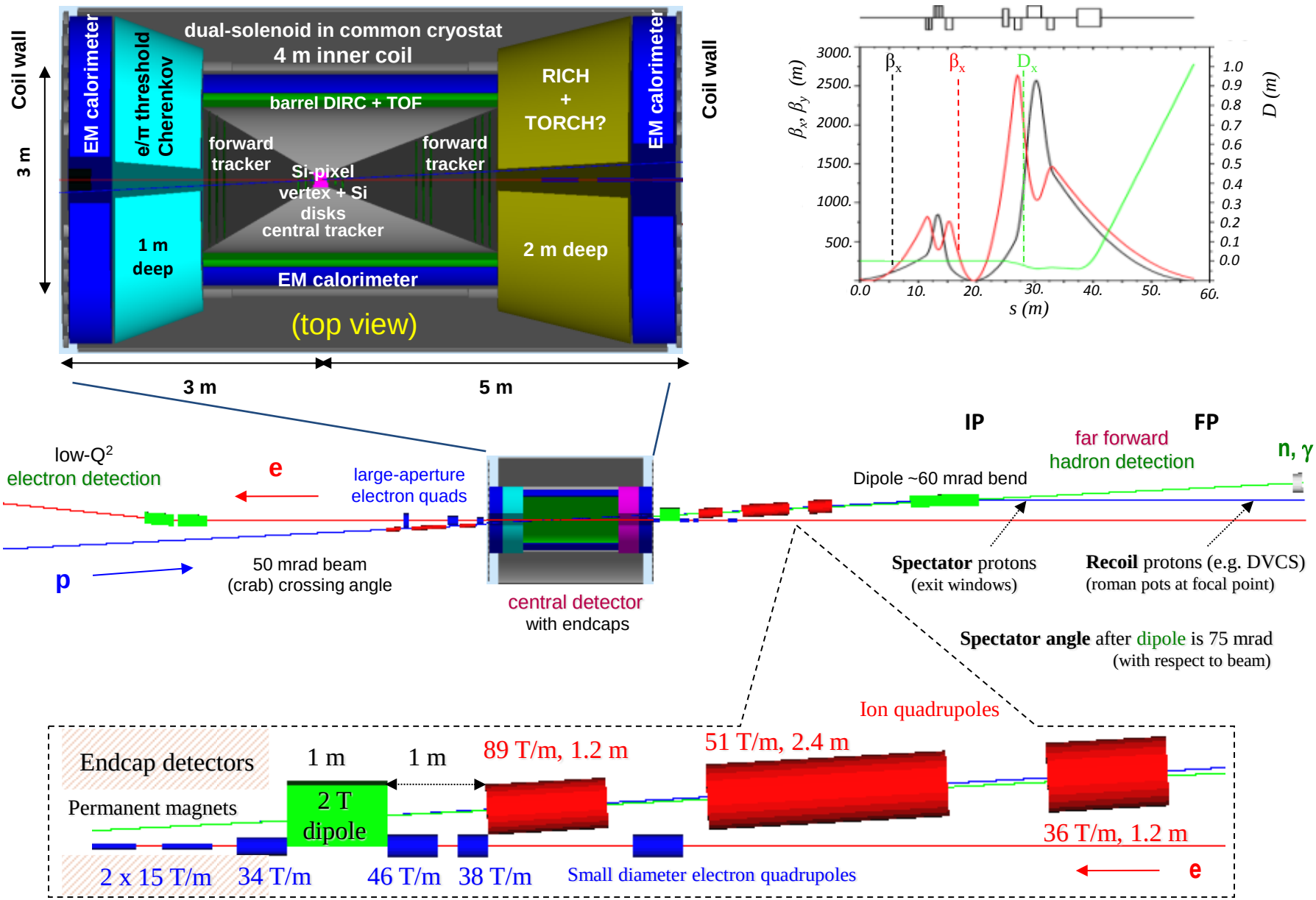
Coil wall
3 m
EM calorimeter
e/π threshold Cherenkov
dual-solenoid in common cryostat
4 m inner coil
barrel DIRC + TOF
forward tracker
Si-pixel vertex + Si disks
central tracker
forward tracker
RICH + TORCH?
EM calorimeter
Coil wall
1 m deep
2 m deep
EM calorimeter
(top view)
3 m
5 m
β_x, β_y (m)
D (m)
s (m)
low-Q^2 electron detection
e
large-aperture electron quads
p
50 mrad beam (crab) crossing angle
central detector with endcaps
IP
FP
far forward hadron detection
n, γ
Dipole ~60 mrad bend
Spectator protons (exit windows)
Recoil protons (e.g. DVCS) (roman pots at focal point)
Spectator angle after dipole is 75 mrad (with respect to beam)
Ion quadrupoles
Endcap detectors
Permanent magnets
1 m
1 m
2 T dipole
89 T/m, 1.2 m
51 T/m, 2.4 m
36 T/m, 1.2 m
2 x 15 T/m
34 T/m
46 T/m
38 T/m
Small diameter electron quadrupoles
e