Table 1: Nominal design goals.

| | |
|---|---|
| Main beam momentum | 12 GeV/c |
| Momenum range of analyzed electrons | 0.5 to 9 GeV/c |
| Main beam radius | 26.685 m |
| Main beam bending angle | 13.4 ° |
| Entrance face angle for the first magnet | 5.9 ° |
| Magnetic field (full excitation) | 15.0000 kG |
| Pole gap | 30 mm |

Table 2: The design consists of two identical normal conductor "C" magnets. Here are the nominal geometry and dimensions of each magnet.

| | |
|---|---|
| Length | 3.09 m |
| Width | 1.09 m |
| Height | 1.41 m |
| Weight | $\sim$ 38 T |
| Separation between magnets | $\sim$ 40 cm |
| Angle between magnets | 0.892° |

Table 3: Nominal coil design parameters

| | |
|---|---|
| Total number of ampere turns for each magnet | 61560 |
| Copper conductor (11×11) mm$^2$, central 7 mm diameter channel | |
| Conductor configuration of each coil | 7× 12 |
| Current density for 61560 Amp-turns | 4.44 A/mm$^2$ |
| Elecrical resistance of each coil | 0.124 Ω |
| Current in conductor | 366.43 A |
| Voltage drop across 4 coils connected in series | 181.7 V |
| Total power consumption | 67 kW |
| Cooling circuits per coil | 7 |
| Total flow rate for 20°C rise | 80 l/min |
| Water supply pressure drop | 2.0 atm |
| Outside dimension of each coil | (92×152) mm$^2$ |
| The coils should be vacuum impregnated | |

Table 4: Tagging magnet power supply

| | |
|---|---|
| Power Output | 80 kW |
| Voltage | 200 V |
| Current | 400 A |
| Current stability few parts per million over 48 hours | |
| Zero field option using a feed-back loop | |

Table 5: Quadrupole parameters

| | |
|---|---|
| Aperture diameter | 30 mm |
| Magnetic length | 400 mm |
| Max magnetic field gradient | 20 T/m |
| Magnetic and geometric axis coincident to $< 0.05$ mm | |