# IR–Upgrade Magnets (Rev.1)

17.4.1997 B. Parker

| Name | Type | $L_m$ (m) | $G_{max}$ (T/m) | $R_p$ (mm) | $B_p$ (T) | # Req. | Comments |
|---|---|---|---|---|---|---|---|
| QG | Q | 1.98 | 7.6 | --- | 0.185* | 4 | Air Coil CFM (104kW) |
| QH | Q | 1.66 | 6.8 | --- | 0.260* | 3 | Iron Dominated CFM |
| QH1 | Q | 1.66 | 6.8 | --- | 0.260* | 1 | Air Coil CFM (166kW?) |
| QI | Q | 1.80 | 26.7 | *35* | 0.935 | 4 | Split Coil for Syn. Rad. |
| QJ | Q | 1.98 | 16.0 | 50 | 0.800 | 4 | QS/C Profile, Split Coil |
| QM | Q | *3.50* | 23.7 | *37* | 0.875 | 8 | MSQ (QI Split Coil ) |
| QN | Q | 1.80 | 29.2 | *35* | 1.020 | 12 | Septum & Split Coil??? |
| BO | D | 2.00 | 0. | --- | 0.950 | 4 | Yet to be specified |
| QR | Q | 3.00 | 23.9 | 35 | 0.835 | --- | Use Existing QR Magnets |

* For combined function magnets QG and QH, $B_p$ is nominal value at electron closed orbit.