

Massless Septum with Hybrid Magnet,
Y. IWASHITA, NSRF, ICR, Kyoto University - A massless septum magnet with shorter transition length is calculated. The magnet is an electro-permanent hybrid magnet to produce 8 kG at extraction region with a gap height of 40 mm. The transition region is less than 40 mm with the minimum gap height of 30 mm, which is achieved by extra poles at the gap. Because no magnetic field is produced in the circulating beam region, it does not disturb the circulating beam.