

**Design, Construction and Testing of Small, Intense Permanent Magnet Sextupoles,** R. BRACCO, B. DIVIACCO, D. MILLO, R.P. WALKER and D. ZANGRANDO, Sincrotrone Trieste - Five novel permanent magnet sextupoles have been constructed for use in focusing atomic hydrogen beams. Each device has an inscribed radius of 5 mm and produces a sextupole field ( $B/r^2$ ) in excess of 55,000 T/m<sup>2</sup>. The mechanical and magnetic design, the construction technique and the magnetic test results obtained using a stretched wire system are described.