

**Development of Quasiperiodic Undulator at ESRF,** J. CHAVANNE, P. ELLEAUME, P. VAN VAERENBERGH, ESRF - A prototype vertical field quasiperiodic undulator has been built and tested on the ID6 Machine Diagnostic beamline of the ESRF. The magnetic design is mechanically very simple and compact giving a higher brilliance or flux vs undulator length compare to existing devices. Its basic period is 46 mm, Fibonacci parameter \*5 and its length is 1.6 m. It is placed on a revolving structure which allows a quick comparison with a conventional 46 mm period undulator. A comparison of the spectra produced by both devices is made. Future developments of quasi-periodic undulators at the ESRF will be detailed.