



Picture of the nuclear microprobe, operational since 1991 at the Materials Research Department. Three magnetic lenses (the so-called Oxford triplet), focusing ion beam to ca. 1 micrometer beam spot, are visible in the middle. The experimental chamber is on the left side, and the black box on the right side is the ion scanning system. Behind the lenses is the Si(Li) detector, used to acquire PIXE (Particle-induced X-ray emission) spectra. The background shows an enlarged part of one of the many elemental maps, generated during various experiments conducted using this microprobe.