STATUS OF SUPERMAXIMUM

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The X-ray scanning photoelectron microscope is nearing completion, and will be shipped to Elettra in early 1996. All the core systems have been acquired, and the integration is almost completed. We will present the final design of the system, and the first results from the characterization of the components. Several innovative designs have been introduced, particularly for the optics alignment and switching. The three Schwarzschild objectives can be exchanged without breaking vacuum, and aligned in-situ. All functions are controlled via a LabView program, and the data analysis is performed by an HP workstation. The microscope will be tested in the visible in Wisconsin, and will await the installation on Elettra for full tests at wavelength.