

Micro-ARPES at SPECTROMICROSCOPY-3.2L beamline of Elettra

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The results after the extensive upgrade of the experimental end station of SPECTROMICROSCOPY-3.2L beamline of Elettra are presented. After the upgrade angle resolved photoemission spectroscopy from sub-micrometer spot and scanning microscopy imaging monitoring the signal inside selected angle and energy windows can be performed. The parameters achieved to date are 600 nm of lateral resolution, 33 meV in energy and $\pm 0.03 \text{ \AA}^{-1}$ in momentum with the photon flux of $\sim 8 \times 10^{10} \text{ photons sec}^{-1}$. The technical aspects of the beamline as well as first results and future upgrades will be discussed.