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PS2-25: Proposal for a Prototype of Portable Micro-XRF Spectrometer

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Micro-XRF is a powerful instrument for the non-destructive characterization of materials of cultural interest. At XLab Frascati this technique is already well performed thanks to polyCO set equipment. For instance, micro-XRF 2D mapping have been carried out on different samples, such as painting layers, adobe and pottery. However, in the cultural heritage field “in situ” analysis are often required. For this reason, the design and realization of a new portable micro-XRF spectrometer equipped with a full lens is proposed.

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