

Dear Editors,

We submit the paper “MA-XRF analysis of XVI-XVII century Italian paintings and preliminary test with a combined digital radiography apparatus” for publication on ACTA IMEKO Journal as the updated and extended version of our paper “INFN-CHNet meets CCR La Venaria Reale: first results” presented at the 2020 IMEKO TC-4 International Conference on Metrology for Archaeology and Cultural Heritage.

According to the rules, modifications and improvements of the original paper have been done. Firstly, the MA-XRF (Macro X-Ray Fluorescence) analysis on the works of art has been refined, and results have been added and discussed as well as integrated with other information from history of art.

Secondly, further artworks (two paintings on panel) are present and discussed in this updated version, in order to show with more examples the capabilities of the instrumentation used. In particular, two case studies from the XVII century have been added.

Finally, a combination of MA-XRF with digital radiography is presented as a preliminary test for an update of the actual set-up in use in our collaboration.

Best Regards,

Leandro Sottili, on behalf of all authors