

Visit of the AGLAE Facility

Wednesday 17 September 2014 18:00 (1 hour)

<http://www.c2rmf.fr/analyser/un-laboratoire-de-haute-technologie-pour-les-collections-des-musees/aglae>

Installed in 1989 in the premises of the Louvre museum; the AGLAE accelerator managed by the French Ministry of Culture in association with the Centre National de la Recherche Scientifique is the only of its type dedicated to the study of Cultural Heritage objects. Because Cultural Heritage artifacts are precious and unique, they cannot be sampled nor placed under vacuum and can only be analysed using an external beam. This explains the continuous improvement for 20 years and in particular the major upgrade that the facility is being undergoing through the program called NEW AGLAE.

The objective is to implement a multipurpose external beam line with superior performance in terms of spatial resolution, beam stability and multi-particle detection with respect to the previous setup. A tenfold increase in X-ray detection efficiency enables to use low intensity beams, thus reducing the risk of damage to sensitive artworks. In parallel, a new scanning system combining beam deflection and sample translation enables the chemical imaging of areas extending mm to tens of cm.

The use of the AGLAE facility has been offered to researchers from the European heritage community through a transnational access for more than 10 years (Eu-ARTECH, CHARISMA).

Registration for the AGLAE facility visit will be available on 15 September 10:00-11:00 during the technical meeting "Registration" session.

In case you wish to communicate your planned visit in advance, please contact:

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