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**Experiment title:** Local environment of copper in Egyptian green

**Experiment number:**

HS-527

**Beamline:**

ID26

**Date of Experiment:**

from: Jan 21 1998 to: Jan 23 1998

**Date of Report:**

Feb 25 1999

**Shifts:**

6

**Local contact(s):**

Ch. Gauthier, A. Solé, R. Signorato

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**Names and affiliations of applicants (\*indicates experimentalists):**

Ch. Brouder\* and S. Rossano\*, LMCP, 4 place Jussieu, 75252 Paris cedex05, France

S. Pagès\*, C2RMF, 6 rue des Pyramides, 75041 Paris cedex01, France

## Report:

The purpose of this experiment was the investigation of the local environment of copper in Egyptian green. Although Egyptian green is a complex mixture of calcium metasilicate minerals and glasses, with many impurities in addition to copper, the K-edge of copper could be measured quite easily and rapidly on the ID26 beamline. However, when the spectra were analyzed, a small step appeared in the EXAFS region, and no proper fit could be obtained. The origin of this step has now been discovered and does not occur any longer on the beamline.