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First neutron tomography with the novel ANET compact neutron collimator

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This contribution deals with the development, production and test, within the ANET project, of a new concept of compact neutron collimator, for neutron radiography and tomography. The novel multi-channel collimator, thanks to extensive experimental campaigns, has proved to deliver highly collimated neutron beams within very limited distances, outperforming other types of neutron collimators. This new instrument has been tested in different facilities demonstrating its applicability both on reactor and accelerator based sources. The performances of the ANET collimator and its first application to tomography is shown and discussed.

Collaboration

ANET

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