

# IAEA Training Workshop: Advanced Use of Neutron Imaging for Research and Applications: AUNIRA



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## Tomography with fission neutrons and with Co-60

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The interaction of radiation and particles with matter depends on their energies, the atomic composition of the inspected materials and many other influencing variables. These differences are in radiography and tomography to yield different information on inspected samples. Therefore, a number radiography and tomography facilities using different transmission sources are available at the Technische Universität München (TUM). For example, at FRM-II the ANTARES and NECTAR (NEutron Computer Tomography And Radiography) facilities provide cold, thermal and fission neutrons, at the Radiochemie München (RCM) X-rays and gamma-rays (e.g. Co-60 at the ITS (Integrated Tomography System)).

The presentation will focus on the application of fission neutrons at the NECTAR facility and gamma-rays (Co-60) at the ITS for radiography and tomography. Some typical examples are discussed.

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