

THE UPGRADED IMAGING FACILITY CONRAD-2

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The neutron imaging facility CONRAD at Helmholtz-Zentrum Berlin (HZB) was upgraded as a part of the “Upgrade program for the cold neutron instrumentation” at HZB. The flight path of the facility was increased up to 10 m providing a larger beam size (field of view) of 20x20 cm² with higher neutron flux density due to the new neutron guides with super mirror coating.

The characteristics of the upgraded facility like neutron flux density, neutron spectral distribution and beam size at the sample position will be presented. The benefit for different experimental methods will be discussed and examples from the first experiments performed at the upgraded facility will be shown.

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