

高灵敏度环境中子剂量当量仪的能量响应计算

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摘要

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Calculation of Neutron Response for High Sensitivity Environmental Neutron Dose Equivalent Meter

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Abstract The energy responses of high sensitivity environmental neutron dose equivalent meter was calculated by MCNP4C code. The calculated results are satisfied in interesting neutron energy fields, and the shape of the response curve agrees with $H^*(10)$ curve in ICRP 74 report. It is seen that MCNP4C code can be applied to calculate neutron response for high sensitivity environmental neutron dose equivalent meter, and it can raise work efficiency and help to analyze the experimental results.

Key words [environmental](#) [neutron](#) [high](#) [sensitivity](#) [dose](#) [equivalent](#) [meter](#) [response](#) [curve](#)

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