

Targets of hard materials by mechanical reshaping

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Determination of parameters of the $^{100}\text{Mo}(p,xn)^{99m}\text{Tc}$ reaction and estimation of the yields of the isotope production in relation to the beam energy require both, thin and thick targets of molybdenum.

The targets were prepared starting with powder material. Material, melted into solid bead with electron gun, was reshaped by rolling. The parameters of the reshaping procedure influencing the quality of the final products and achievement of the required thicknesses, thick (in range of hundreds of microns) and thin one (range of ten microns) will be discussed.