

## ELECTRONIC CATALOGUE OF MUONIC X-RAYS

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$\mu$ X-ray spectra for  $Z = 9-90$  were measured with HPGe detectors and muonic beams of PSI (Villigen, Switzerland) [1] for the period from 1996 to 2006. The results are presented as electronic atlas composed of graphic plots. The atlas is available at JINR site Ref. [2]. As an example, Fig. 1 presents the energy spectrum of  $\mu$ X-rays in cadmium target.

The information from the  $\mu$ X-ray spectra catalogue could be useful for the identification of the background structure and for the correct selection of the targets and constructive materials for different experiments with muons.

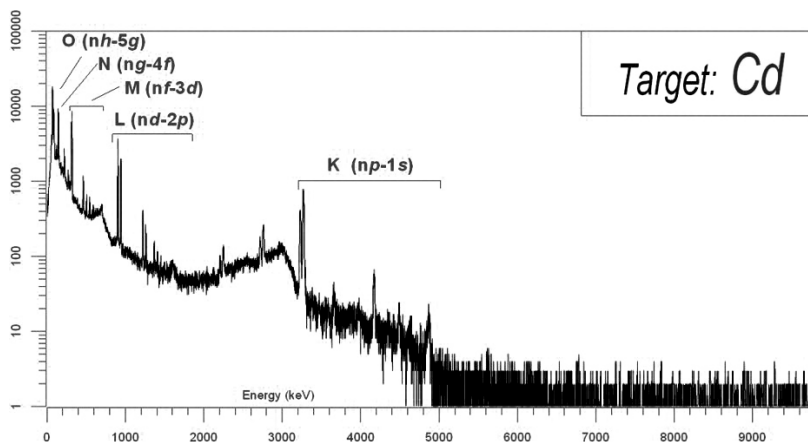


Fig. 1. Total muonic X-ray spectrum of Cd.

1. V.Egorov *et al.* // PSI experiment R-02-02. 2002.
2. Mesoroentgen Spectra Catalogue. <http://www.muxrays.jinr.ru>