

## **Czech Metrology Institute – List of recent publications in radionuclide metrology**

### **2005-2007**

Dryák P., Kovář P., 2006. Experimental and MC determination of HPGe detector efficiency in the 40-2754 keV energy range for measuring point source geometry with the source-to-detector distance of 25 cm. *Appl. Radiat. Isot.* **64**, 1346-1349

Havelka M., Auerbach P., Sochorová J., 2006. Standardisation of  $^{54}\text{Mn}$  and  $^{65}\text{Zn}$  using a software coincidence counting system. *Appl. Radiat. Isot.* **64**, 1215-1219

### **2002-2004**

Miroslav Havelka, Pavel Auerbach, Jana Sochorová: Software coincidence counting, *Applied Radiation and Isotopes* **56** (2002) 265-268

Miroslav Havelka, Pavel Auerbach, Jana Sochorová: Application of pulse mixing method in software coincidence counting, *Applied Radiation and Isotopes* **60** (2004) 409-413

Pavel Dryák, Petr Kovář, Jiří Šuráň: Determination of corrections to true summations of photons for measurements in Marinelli beakers, *Applied Radiation and Isotopes* **56** (2002) 111-116

Pavel Dryák, Petr Kovář: Testing of properties of digital modules used in gamma-ray spectrometry, *Applied Radiation and Isotopes* **60** (2004) 203-206

### **Earlier publications**

JP.Dryák, T.Novotný, P.Kovář, M.Králík:  
**NIM A 369 (1996) 441-444**

Determination of the 6,13 MeV photon emission from the Pu-C (alpha, n) source and half life of  $^{16}\text{N}$

P.Cassette, T.Alzigloglou, R.Broda, R.Colle, P.Dryak, P.de Felice, E.Gunther, J.M.Los Arcos, G.Ratel, B.Simpson, F.Verezen:  
**Appl. Radiat. Isot.** **49, (1998) 1403-1410**

Comparison of activity concentration measurement of  $^{63}\text{Ni}$  and  $^{55}\text{Fe}$  in the framework of the EUROMET 297 project

J.Makepeace, T.Alzigloglou, P.Cassette, P.Dryak, E.Gunther, F.Verezen R.Broda, B.Simpson, M.Unterweger:  
**Appl. Radiat. Isot.** **49 (1998) 1411-1416**

International comparison of measurement of the specific activity of tritiated water

P.Dryák, J.Šuráň, P.Kovář, H.Kubala:  
**IAEA - TECDOC - 1045 (1998)**

Performance testing of automatic vehicle radioactive sources monitors

P.Dryák, J.Šuráň, P.Kovář, H.Kubala:

**NIM A 422 (1999) 922-925**

Evaluation of two rounds of testing of types of devices for monitoring radioactive sources in loaded vehicles

P.Dryák, P.Kovář, J.Šuráň:

**Appl. Radiat. Isot., 53 (2000)351-353**

Experience with checking potentially contaminated materials released to the environment and testing of the measuring instruments used

P.Dryák, P.Kovář, J.Šuráň:

**Appl. Radiat. Isot., 56 (2002) 111-116**

Determination of Correction to True Summations of Photons for Measurement in Marinelli Beakers

M.Havelka, P.Auerbach, J.Sochorová:

**Appl. Radiat. Isot., Vol. 56 (2002) 256-258**

Software coincidence counting

V.Olšovcová, P.Dryák:

**Proceedings of the International Symposium on Standards and Codes of Practice in Medical Radiation Dosimetry, Vienna 2002 (in press)**

Comparisons of activity measurements in nuclear medicine with radionuclide calibrators in the Czech Republic