

2012



RAD

The First International
Conference on
Radiation and Dosimetry in
Various Fields of Research

APRIL 25 - 27, 2012
FACULTY OF ELECTRONIC ENGINEERING | NIŠ | SERBIA

**BOOK OF
ABSTRACTS**

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FOLLOW-UP OF CS-137 ACTIVITY IN THE FIRST 100 AIR SAMPLES IN THE AREA OF KUMODRAZ, BELGRADE IN THE 2008 TO 2011 PERIOD

Tatjana Marković, Aleksandra Samolov, Nataša Pajić

Military Technical Institute, Ratka Resanovića 1, Belgrade, Serbia

This paper presents results of gamma spectrometric analyses of air samples, collected in the period from 2008 to 2011, at Kumodraz location. Cs-137 specific activity has been monitored for 4 years. Exposure rate of gamma background radiation has been showed, as well. Obtained results show that average annual effective doses are in the range from 1.01 to 1.19 mSv/y and lower than the worldwide average.

Keywords: gamma spectrometry, Cs-137, background radiation, monitoring, dose