READ ME!

The GASMAT materials are contained in two zip files:

Calibration spectrum.zip – containing the necessary files and description for the energy/shape calibration plus a Technical Details file which should be studied before attempting the materials.

GASMAT_spectra.zip – containing folders for each of the six situations. Each folder contains a scenario description in pdf format and the necessary spectra for each situation.

Please note that the spectra contain files in the Canberra .cnf format. The .cnf extension causes some problems with some Windows versions and virus checkers. These files are therefore named with a .cnx extension. Please rename to the correct .cnf extension.

The 810 keV Peak

During the activity, an erroneous peak at 810 keV was observed in many of the spectra. This was determined to have come from an error in the gamma database for ^{234m}Pa and was visible in any spectrum involving that isotope. Participants were promptly informed of the error and warned not to base any identification of an isotope on the presence of the 810 keV peak. No reports were received of the erroneous peak having caused trouble for any participant. If you are attempting the GASMAT materials – please be aware of this 810 keV peak issue!!

For questions: contact mark.dowdall@nrpa.no

DISCLAIMER

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