

# **Nuclear Spectrometry Users' Forum** **26<sup>th</sup> May 2005**

## **Nuclear Decay Data**

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- The Bureau International des Poids et Mesures (BIPM) has recommended the use of nuclear decay data evaluated by the international Decay Data Evaluation Project (DDEP).
- In accordance with the BIPM, NPL is recommending the use of this data source within the United Kingdom.

- The DDEP data set is available:
- A) on the internet at  
[www.nucleide.org/DDEP\\_WG/DDEPdata.htm](http://www.nucleide.org/DDEP_WG/DDEPdata.htm)
- this is up-dated as new evaluations are completed.
- B) as a monograph: Monographie BIPM-5 “Table of Radionuclides”, Volumes 1 & 2, 2004, ISBN 92-822-2204-7

- For radioisotopes not yet evaluated by the DDEP, decay data may be obtained from the Evaluated Nuclear Structure Data File (ENSDF) or the NuDat file, both available from the National Nuclear Data Center at Brookhaven: [www.nndc.bnl.gov/](http://www.nndc.bnl.gov/)
- Or, sometimes more quickly, via the IAEA Nuclear Data Section at: [www-nds.iaea.org/](http://www-nds.iaea.org/)