

A brief progress report from The Radiation Dosimetry Group

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NPL

9th November 2005

- Protection Level Calibration Service
- 5th IRMF Gamma comparison
- EPD Good practice guide

- The Protection Level Calibration Service for 2005 has started
- Chamber calibrations with Am-241, Cs-137 and Co-60 are now offered outside of the November/December calibration period
- Problem with PTW LS-01 chambers found!

- Problem seems to be with new chambers
- Split in neck of chamber
- We have seen two of these in the past six months
- Cause...?



- The foam inserts to protect chamber are too tight!
- Foam acts like a vice.
- When stem is moved leverage is applied to neck of the chamber then eventually.....
- CRACK!!
- Solution...?



- Go against all chamber handling rules pick up chamber by the shell and stem at the same time! (Wearing cotton gloves of course!)
- Or remove some of the foam to make the space bigger!
- PTW seem to be aware of the problem and have strengthened the chamber neck.



- Thank you to those that have already registered
- There are still a few places left
- Comparison will start in January 2006
- The protocol and set up diagrams have been finalised and will be available on the website shortly
- A timetable is available for the comparison, please select your time slots before you go.
- A completed timetable will be circulated to all participants before the comparison starts

Electronic Personal Dosimeter (EPD) Good Practice Guide

At the last IRMF meeting a working party was elected (Apologies to anyone I've missed off the list) which consists of:

John Bennett	DSTL
Derek Brazer	AWE
Peter Burgess	UKAEA
Bill Croydon	Thermo Electron
Chris Hill	HPA
John Simpson	RWE Nukem

However this working party needs a chair person!

ANY VOLUNTEERS?

Next year we will be able to offer kVp meter calibrations on our clinical sets.

Thank you.

