

## LNE-LNHB Publications 2005 – 2006

J.M. Dolo, V Feugas 2005 Analysis of parameters that influence the amplitude of the ESR/alanine signal after irradiation *Applied Radiation and Isotope* **62** 273-9

J.M. Dolo, F. Moignau 2005 Use of the entire spectrum of irradiated alanine for dosimetry *Applied Radiation and Isotope* **62** 281

G. Douysset, J. Gouriou, F. Delaunay, L. De Werd, K. Stump, J. Micka Comparison of dosimetric standards of USA and France for HDR brachytherapy *Phys. Med. Biol.* **50** 1961-78

J. Daures, A. Ostrowsky 2005 New constant-temperature operating mode for graphite calorimeter at LNE-LNHB *Phys. Med. Biol.* **50** 4035-52

A. Poirier, G. Douysset 2006 Influence of ambient humidity on the current delivered by air-vented ionization chambers revisited *Phys. Med. Biol.* **51** 4995-5006

L. Blazy, D. Baltès, J. M. Bordy, D. Cutarella, J. Gouriou, F. Delaunay, E. Leroy, A. Ostrowsky 2006 Comparison of PENELOPE Monte Carlo dose calculations with Fricke and ionization chambers measurements in heterogeneous phantoms (18 MeV electron and 12 MV photon beams) *Phys. Med. Biol.* **51** 5951-65

L. Blazy, S. Beaumont, J.M. Bordy 2006 Use of gamma index to evaluate the dosimetric characteristics of X-ray beams in radiotherapy: implementation to a linac Monte Carlo simulation *Med. Phys.* **33** 2147

T. Garcia, J.M. Dolo 2006 Composition of alanine pellet dosimeters: background study for low doses applications *PTB-Dos-51* 15-20

T. Garcia, J.M. Dolo 2006 Investigations on the angular dependence of the alanine spectrum *PTB-Dos-51* 21-8

## LNE-LNHB Dosimetry Publications (2003 – 2004)

“Artificial optical bleaching of the aluminium center in quartz implications to ESR dating of sediments”, *P. Voinchet, C. Falguères, M. Laurent, S. Toyoda, J.-J. Bahain, J.-M. Dolo*, Quaternary Science Reviews, 2003, 22, 1335-1338

« Guide SFPM : Utilisation des références métrologiques nationales de dose absorbée dans l'eau et application du protocole de dosimétrie AIEA TRS n° 398 aux faisceaux de photons de haute énergie », *B. Chauvenet, F. Delaunay, J.-M. Dolo, G. Le Roy, A. Bridier, P. Francois, R. Sabbattier*, (document site Internet SFPM, mai 2003)

“BNM-LNHB graphite calorimeter: a new constant-temperature operating mode for absorbed dose rate measurements”, *J. Daures, A. Ostrowsky*, Proceedings Workshop on Recent Advances in Absorbed Dose Standards, Melbourne - Australia – August 2003

“ESR dating of quartz extracted from quaternary sediments: Application to fluvial terraces system of northern France”, *P. Voinchet, J.-J. Bahain, C. Falguères, M. Laurent, J.-M. Dolo, J. Despriée, Gageonnet R., C. Chaussé*, Quaternaire, 15, 2004, 135-141

“EPR study of gamma induced radicals in amino acid powders”, *S. Talbi, J. Raffi, S. Aréna, J. Colombani, P. Piccerelle, P. Prinderre, J.-M. Dolo*, Spectrochimica Acta Part A, 60, 2004, 1335-1341