

PUBLICATIONS

S. Decoster , U. Wahl, B. De Vries, J.G. Correia, A. Vantomme, Experimental evidence of tetrahedral interstitial and bond-centered Er in Ge, *16th International Conference on Ion Beam Modification of Materials*, Dresden, Germany, 31 Aug – 5 Sept 2008, poster.

J.N. Gonçalves, A.M.L. Lopes, T. M. Mendonça, J. G. Correia, J.P.E. Araújo, V.S. Amaral First principles calculations of hyperfine parameters on the Ca manganite with substitutional Cd modelling, *Joint European Magnetic Symposia*, Dublin, Ireland, 14 – 19 Sept 2008, poster.

L.C. Pereira, U. Wahl, J.P. Araújo, J.G. Correia, Recent emission channeling studies in transition metal

doped ZnO, *The Integrated Infrastructure Initiative for EUROpean Nuclear Structure Research (EURONS), Concluding Town Meeting*, Rhodes, Greece, 17 – 19 Sept 2008, poster.

Theses

Ph.D.

Elisabete M.C. Correia Rita, *Properties and local environment of p-type dopants and photoluminescent rare earths implanted into ZnO single crystals*, Faculdade de Ciências da Universidade de Lisboa, 13 Oct 2008 (Co-supervisors: U. Wahl and J.G. Correia).

Nuclear Reactions

Journals

J. Cruz, H. Luis, M. Fonseca, Z. Fülpö, G. Gyürky, F. Raiola, M. Aliotta, K. U. Kettner, A. P. Jesus, J. P. Ribeiro, F. C. Barker, C. Rolfs, *Journal of Physics G* 35, 014004 (2008)

R. Mateus, M. Fonseca, A.P. Jesus, H. Luís, J.P. Ribeiro, *Nucl. Inst. and Meth. B*266, 1490-1492 (2008)

Communications

M. Fonseca, R. Mateus, A.P. Jesus, J. Cruz, H. Luis, J.P. Ribeiro, Estudo Experimental da Reacção $^{25}\text{Mg}(\text{p},\text{p}'\gamma)^{25}\text{Mg}$, *16^a Conferência Nacional de*

Física – Física 2008, Campus de Caparica, Set 2008, poster.

M. Fonseca, R. Mateus, A.P. Jesus, H. Luís, J.P. Ribeiro, PIGE analysis of magnesium and beryllium, *16^a Conferência Nacional de Física – Física 2008*, Campus de Caparica, Set 2008, poster.

H. Luís, N. Franco, L. Gasques, M. Fonseca, A. P. Jesus, E. Alves, AMS – Espectrometria de Massa de Alta Sensibilidade, *16^a Conferência Nacional de Física – Física 2008*, Campus de Caparica, Set 2008, poster.

Condensed Matter Physics

Journals

S.R. Gomes, F.M.A. Margaça, L.M. Ferreira, I.M. Miranda Salvado, J.P. Leal, C. Marques, E. Alves, L.M. Ferreira and A.N. Falcão, Elemental and RBS analysis of hybrid materials prepared by gamma irradiation, *Nucl. Inst. Meth. Phys. Res. B*, 266 (2008) 288-294.

S.R. Gomes, F.M.A. Margaça, D. Faria Silva, L.M. Ferreira, I.M. Miranda Salvado, A.N. Falcão, Novel Way to control PDMS Cross-linking by Gamma Irradiation, *Nucl. Inst. Meth. Phys. Res. B*, 266 (2008) 1105-1108.

S.R. Gomes, F.M.A. Margaça, I.M. Miranda Salvado, A.N. Falcão, L. Almásy and J. Teixeira, SANS investigation of PDMS hybrid materials prepared by gamma-irradiation, *Nucl. Inst. Meth. Phys. Res. B*, 266 (2008) 5166–5170.

Conference Proceedings

S.R. Gomes, F.M.A. Margaça, I.M. Miranda Salvado, J.P. Leal, J.P. Santos, C. Marques and E. Alves, Caracterização de Materiais obtidos por irradiação γ da mistura de percursos PDMS/TEOS/PrZr, Poster presented at *16^a Conf. Nacional de Física, Livro de Resumos*, p.144, 3-6 Sept., 2008, Caparica, Portugal.

Solid State

Journals

E. Bauer, Xing-Qiu Chen, P. Rogl, G. Hilscher, H. Michor, E. Royanian, R. Podloucky, G. Giester, O. Sologub, A.P. Gonçalves, Superconductivity and spin fluctuations in $\{\text{Th,U}\}\text{Pt}_4\text{Ge}_{12}$ skutterudites, *Phys. Rev. B* 78 064516 (2008).

D. Belo, J. Mendonça, I.C. Santos, L.C.J. Pereira, M. Almeida, J.J. Novoa, C. Rovira, J. Veciana, V. Gama,

Metallocenium Salts of Nickel bis-a-thiophenedithiolate $[\text{M}(\text{Cp}^*)_2][\text{Ni}(\text{a}-\text{tpdt})_2]$ ($\text{M} = \text{Fe, Mn, Cr}$); Metamagnetism and Magnetic Frustration, *Eur. J. Inor. Chem.* 5327-5337 (2008).

D. Berthebaud, O. Tougait, A.P. Gonçalves, H. Noël, Phase relations and stabilities at 900°C in the U-Fe-Si ternary system, *Intermetallics* 16 373-377 (2008).