

**Publications with ESRF author(s) and describing an ESRF experiment**

1. **04DA102:** D'Astuto M., Mirone A., Giura P., Colson D., Forget A., Krisch M., "Phonon dispersion in the one-layer cuprate  $\text{HgBa}_2\text{CuO}_{4+\delta}$ ", *Journal of Physics Condensed Matter* **15**, 8827-8836 (2003).
2. **04CH103:** Chushkin Y., Ulmeanu M., Luby S., Majkova E., Kostic I., Klang P., Holy V., Bochníček Z., Giersig M., Hilgendorff M., Metzger T.H., "Structural study of self-assembled Co nanoparticles", *Journal of Applied Physics* **94**, 7743-7748 (2003).
3. **04CI104:** Ciatto G., d'Acapito F., Grenouillet P., Mariette H., De Salvador D., Bisognin G., Carboni R., Floreano L., Gotter R., Mobilio S., Boscherini F., "Quantitative determination of short-range ordering in  $\text{In}_x\text{Ga}_{1-x}\text{As}_{1-y}\text{N}_y$ ", *Physical Review B* **68**, 161201-1-161201-4 (2003).
4. **04DE106:** Di Matteo S., Joly Y., Bombardi A., Paolasini L., de Bergevin F., Natoli C.R., "Local chiral-symmetry breaking in globally centrosymmetric crystals", *Physical Review Letters* **91**, 257402-1-257402-4 (2003).
5. **04GO107:** Goncharenko I.N., Cadavez-Peres P., Mirebeau I., Makarova O.L., Le Bihan T., Mezouar M., "Pressure-induced magnetic collapse and hydrogen segregation in the frustrated Laves hydrides  $\text{Tb}(\text{Mn}_{0.88}\text{Al}_{0.12})_2\text{H}_x$ ", *Physical Review B* **68**, 214418-1-214418-6 (2003).
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8. **04FR110:** Francoual S., Livet F., De Boissieu M., Yakhou F., Létoublon A., Caudron R., Gastaldi J., "Dynamics of phason fluctuations in the  $i$ -AlPdMn quasicrystal", *Physical Review Letters* **91**, 225501-1-225501-4 (2003).
9. **04DU111:** Duggan P., McBreen B., Carr A.J., Winston E., Vaughan G., Hanlon L., McBreen S., Metcalfe L., Kvik Å., Terry A.E., "Gamma-ray bursts and X-ray melting of material to form chondrules and planets", *Astronomy and Astrophysics* **409**, L9-L12 (2003).
10. **04GA112:** Gaillot A.C., Flot D., Drits V.A., Manceau A., Burghammer M., Lanson B., "Structure of synthetic K-rich birnessite obtained by high-temperature decomposition of  $\text{KMnO}_4$ . I. Two-layer polytype from 800 °C experiment", *Chemistry of Materials* **15**, 4666-4678 (2003).
11. **04RO113:** Roßberg A., Reich T., Bernhard G., "Complexation of uranium (VI) with protocatechuic acid-application of iterative transformation factor analysis to EXAFS spectroscopy", *Analytical and Bioanalytical Chemistry* **376**, 631-638 (2003).
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15. **04CE117:** Cesca T., Gasparotto A., Mattei G., Rampazzo V., Boscherini F., Fraboni B., Priolo F., Ciatto G., d'Acapito F., Bocchi C., "Atomic environment of Fe following high-temperature implantation in InP", *Physical Review B* **68**, 224113-1-224113-11 (2003).
16. **04SP118:** Spiga S., Mantovan R., Fanciulli M., Ferretti N., Boscherini F., d'Acapito F., Schmidt B., Grötzschel R., Mücklich A., "Local structure of Sn implanted in thin SiO<sub>2</sub> films", *Physical Review B* **68**, 205419-1-205419-10 (2003).
17. **04RO119:** Rontó V., Battezzati L., Yavari A.R., Tonegaru M., Lupu N., Heunen G., "Crystallization behaviour of Al<sub>87</sub>Ni<sub>7</sub>La<sub>6</sub> and Al<sub>87</sub>Ni<sub>7</sub>Sm<sub>6</sub> amorphous alloys", *Scripta Materialia* **50**, 839-843 (2004).
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19. **04SI121:** Sicot M., Andrieu S., Turban P., Fagot-Revurat Y., Cercellier H., Tagliaferri A., De Nadaï C., Brookes N.B., Bertran F., Fortuna F., "Polarization of Fe(001) covered by MgO analyzed by spin-resolved X-ray photoemission spectroscopy", *Physical Review B* **68**, 184406-1-184406-9 (2003).
20. **04BA122:** Baumert J., Gutt C., Shpakov V.P., Tse J.S., Krisch M., Müller M., Requardt H., Klug D.D., Janssen S., Press W., "Lattice dynamics of methane and xenon hydrate: Observation of symmetry-avoided crossing by experiment and theory", *Physical Review B* **68**, 174301-1-174301-7 (2003).
21. **04MA123:** McCarthy A.A., Knijff R., Peterson N.A., Baker E.N., "Crystallization and preliminary X-ray analysis of *N*-acetyl-1-D-myo-inositol-2-deoxy- $\alpha$ -D-glucopyranoside deacetylase (MshB) from *Mycobacterium tuberculosis*", *Acta Crystallographica D* **59**, 2316-2318 (2003).
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28. **04CH139:** Chabaud S., Bellin C., Mauri F., Loupiau G., Rabii S., Croguennec L., Pouillier C., Delmas C., Buslaps T., "Electronic density distortion of  $\text{NiO}_2$  due to intercalation by Li", *Journal of Physics and Chemistry of Solids* **65**, 241-243 (2004).
29. **04AR140:** Arzt S., Petit I., Burmeister W.P., Ruigrok R.W.H., Baudin F., "Structure of a knockout mutant of influenza virus M1 protein that has altered activities in membrane binding, oligomerisation and binding to NEP (NS2)", *Virus Research* **99**, 115-119 (2004).
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34. **04HO145:** Hostettler M., Schwarzenbach D., Helbing J., Dmitriev V., Weber H.P., "Structure and SHG of the high pressure phase IV of  $\text{HgBr}_2$ ", *Solid State Communications* **129**, 359-363 (2004).
35. **04KA146:** Kainov D.E., Simonov V., Bamford D.H., Tuma R., Gottlieb P., Wei H., Walsh M.A., Belrhali H., Merckel M.C., "Crystallization and preliminary X-ray diffraction analysis of bacteriophage  $\phi 12$  packaging factor P7", *Acta Crystallographica D* **60**, 2368-2370 (2004).
36. **04KE147:** Keckes J., Burgert I., Frühmann K., Müller M., Kölln K., Hamilton M., Burghammer M., Roth S.V., Stanzl-Tschegg S., Fratzl P., "Cell-wall recovery after irreversible deformation of wood", *Nature Materials* **2**, 810-814 (2003).
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38. **04SU161:** Surma B., Misiuk A., Härtwig J., Wnuk A., Bukowski A., Antonova I.V., "Modification of the SOI-like structures by annealing under high hydrostatic pressure", *Journal of Alloys and Compounds* **362**, 269-274 (2004).

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41. **04DE164:** Dermaut W., Van den Kerkhof T., Goderis B., Mertens R., Dolbnya I., van der Veken B.J., Blockhuys F., Geise H.J., "A volume-corrected Kratky model and the influence of the shape of the orientation distribution function on the molecular orientation in PPV and its precursor", *Macromolecules* **37**, 110-117 (2004).
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49. **04CA172:** Capelle B., Epelboin Y., Härtwig J., Moraleda A.B., Otálora F., Stojanoff V., "Characterization of dislocations in protein crystals by means of synchrotron double-crystal topography", *Journal of Applied Crystallography* **37**, 67-71 (2004).
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