

The experiment 02 02 702 gave rise to 4 publications :

- F. Conchon, **A. Boule**, R. Guinebretière, C. Girardot, S. Pignard, J. Kreisel, F. Weiss, E. Dooryhée, J.-L. Hodeau, “*Effect of tensile and compressive strains on transport properties of SmNiO₃ layers epitaxially grown on (001) SrTiO₃ and LaAlO₃ substrates*”, **Applied Physics Letters**, 91, 192110 1-3, 2007.
- F. Conchon, **A. Boule**, R. Guinebretière, E. Dooryhée, J.-L. Hodeau, C. Girardot, S. Pignard, J. Kreisel, F. Weiss, “*Role of strain-induced structural changes on the metal-insulator transition in epitaxial SmNiO₃ films*”, **Journal of Physics: Condensed Matter**, 20, 145216 1-7, 2008.
- F. Conchon, **A. Boule**, R. Guinebretière, E. Dooryhée, C. Girardot, S. Pignard, F. Weiss, J. Kreisel, L. Libralesso, T. L. Lee, “*Investigation of strain and strain relaxation mechanisms in epitaxial SmNiO₃ films using X-ray diffraction techniques*”, **Journal of Applied Physics**, 103, 12350 11-8, 2008.
- A. Boule**, F. Conchon, R. Guinebretière, “*Strain profiles in thin films : influence of a coherently diffracting substrate and thickness fluctuations*”, **Journal of Applied Crystallography**, 2008, in press.