

PRODUCTION SCIENTIFIQUE

A Publications dans les revues à comité de lecture

1. NACHER P.J., TASTEVIN G., LEDUC M., CRAMPTON S.B., LALOE F., J. Phys. Lett. (Paris) 45, L441–L448 (1984): « Spin rotation effects and spin waves in gaseous polarized ^3He ».
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4. LEDUC M., NACHER P.J., BETTS D.S., DANIELS J.M., TASTEVIN G., LALOE F., Europhys. Lett. 4, 59–64 (1987): « Nuclear polarization and heat conduction changes in gaseous ^3He ».
5. TASTEVIN G., NACHER P.J., WIESENFELD L., LEDUC M., LALOE F., J. Phys. (Paris) 49, 1– 6 (1988) : « Obtaining polarized liquid ^3He from optically oriented gas ».
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13. TASTEVIN G., J. Low Temp. Phys. 89, 669–672 (1992) : « Investigation of adsorption and wetting of ^3He on cesium and cesiated glass ».
14. TASTEVIN G., J. Low Temp. Phys. 89, 317–324 (1992) : « NMR characterization of phase separation in highly polarized ^3He - ^4He solutions above 450 mK ».
15. TASTEVIN G., Physica B 194-196, 911–912 (1994) : « Vapour pressure measurements on spin polarized liquid ^3He ».
16. STOLTZ E., MEYERHOFF M., BIGELOW N., LEDUC M., NACHER P.J., TASTEVIN G., Applied Physics B 63, 629–633 (1996) : « High nuclear polarization in ^3He and ^3He - ^4He gas mixtures by optical pumping with a laser diode ».
17. TASTEVIN G., VILLARD B., NACHER P.J., Czech. J. Phys. 46, S1-237–238 (1996): «Study of moderately concentrated spin-polarized ^3He - ^4He mixtures above T_F ».
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23. LEDUC M., NACHER P.-J., TASTEVIN G., Laser Physics 8, 799-802 (1998): « Spin polarized helium-3 for Magnetic Resonance Imaging ».
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30. NACHER P.J., TASTEVIN G., VILLARD B., PIEGAY N., MARION F., SAUER K., J. Low Temp. Phys. 121 (2000) 473–748 : « NMR instabilities in spin-polarised liquids : ^3He , ^3He - ^4He mixtures and ^{129}Xe ».
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48. TASTEVIN G. and NACHER P.-J., *J. Chem. Phys.* 123, 064506 [1–13] (2005) : “NMR measurements of hyperpolarized ^3He gas diffusion in high porosity silica aerogels”
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- C4. NACHER P.J., LEDUC M., TASTEVIN G., WIESENFELD L., Jap. J. Appl. Phys. 26 (1987) Suppl.26-3, 205-206 (Proc. Int. Conf. on Low Temp. Phys., LT18): «Liquefaction of highly polarized ^3He ».
- C5. TASTEVIN G., NACHER P.J., LEDUC M., Atomic Physics 11, World Scientific (1989), Proc. ELICAP'88: « Neodymium lasers polarize ^3He nuclei: heat conductivity changes in the gas below 4.2 K ».
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- C7. LEDUC M., NACHER P.J., BETTS D.S., DANIELS J.M., TASTEVIN G., LALOE F., Spin Polarized Quantum Systems III [S. Stringari ed., World Scientific, 1989] : « Heat conduction of gaseous ^3He depends on the nuclear spin polarization below 4.2K ».
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- C11. DARRASSE L., GUILLOT, NACHER P.J., TASTEVIN G., Proc. ISMRM-5, ISSN 1065-9789, p. 308 (Int. Soc. for Magn. Reson. in Medecine, ISMRM 1997) : « Initial experiment with hyperpolarized ^3He phantoms in a low-field MRI unit ».
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- C14. DARRASSE L., GUILLOT G., NACHER P.J., TASTEVIN G., Proc. ISMRM 6 [ISSN 1065-9889] p. 449 (Int. Soc. for Magn. Reson. in Med., ISMRM'98) : « Low field single shot ^3He MRI in human lungs ».
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