

Verzeichnis der Veröffentlichungen und Preprints bis 2007

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Vorbemerkung zur **Google-Suche**: Viele meiner Veröffentlichungen finden Sie bei Google unter dem Namen O. Scharpf, da die englischen Zeitschriften lange Zeit das deutsche ä nicht schreiben konnten oder de facto nicht geschrieben haben. Manche Veröffentlichungen benutzen auch O. Schaerpf. Dasselbe gilt natürlich auch für "Physics Abstracts". In dieser Liste ist der Name Schärfp überall mit deutschem ä geschrieben.

Die Farbe der Nummer in dieser Liste soll andeuten, welchem Bereich der Physik die betreffende Veröffentlichung zuzuordnen ist. Im zweiten Teil dieses Verzeichnisses finden Sie Listen der Veröffentlichungen geordnet nach diesen Fachgebieten (durch Mausklick auf das gefärbte Rechteck am Anfang).

Blochwand, magn. Bereiche: elektronenoptische Messung

Blochwand, Messung mit Neutronen

Neutronenoptik, Multilayer, Super Spiegel

Grundlegende Experimente (haupts. Elementarteilchen)

Spinanalyse hauptsächlich D7

Diffuse Streuung ohne P.Analyse (D7)

Polymere mit Polarisationsanalyse (D7)

Biologie (Gheestacht) mit Kern- und Neutronen-Polarisation

Hoch- T_c Supraleiter und Verwandtes

1967 Erscheinungsjahr

- (1) Hofmann M., Regenfus G., Schärfp O., Kennedy P.J. : *Measurements of the polarization of field emitted electrons from polycrystalline gadolinium*. Physics Letters 25A, (1967) pp.270-271.
- (2) Schärfp O. : *Messung von Streufeldern über Wänden ferromagnetischer Bereiche*. Dissertation, Universität München 1967.

1968 Erscheinungsjahr

- (3) Schwink Ch., Schärfp O. : *Electron-Optic Investigation of the Magnetic Stray Field above Bloch Walls in Cylindric Nickel Crystals*. phys.stat.sol. 30, (1968) pp.637-644.

1969 Erscheinungsjahr

- (4) Schärpf O., Schwink Ch., Fellner W. : *Elektronenmikroskop zur Messung submikroskopischer magnetischer Felder*. Z.Angew.Phys. 28, (1969) pp.158-165.

1971 Erscheinungsjahr

- (5) Schärpf O., Krekeler G., Schwink Ch. : *Elektronenoptische Messung der Streufelder über einer Blochwand bei Temperatur- und Druckvariation*. Z.Angew.Phys. 32, (1971) pp.101-103.

1973 Erscheinungsjahr

- (6) Schärpf O., Eichler D. : *A neutron guide tube with circular cross section: principles of construction and measured properties*. J.Phys.E:Sci.Instrum. 6, (1973) pp.774-780.
- (7) Schärpf O., Vehoff H., Schwink Ch. : *The small-angle scattering of thermal neutrons by Bloch walls in FeSi(2.5%) and Ni-single crystals*. Int.J.Magnetism 5, (1973) pp.223-229.

1974 Erscheinungsjahr

- (8) Schärpf O., Berkefeld J. : *Measurement of the thickness of Bloch walls in the interior of bulk crystals by neutron small angle scattering*. Proceedings of the international conference of Magnetism ICM-73, volume IV, p.192-196, Publishing House NAUKA, Moscow 1974.

1975 Erscheinungsjahr

- (9) Schärpf O. : *Magnetic neutron guide tube for polarization of thermal neutrons with $P=97\%$ irrespective of wavelength*. J.Phys.E: Sci.Instrum. 8, (1975) p.268-269.
- (10) Schärpf O. : *Blochwanddickenmessung mit Hilfe der Kleinwinkelstreuung von thermischen Neutronen an Blochwänden in kompakten FeSi-Einkristallen bei Temperatur- und Feldvariation*. Physica 80B, (1975) pp.289-300.
- (11) Keyser U., Schärpf O., Schwink Ch. : *Elektronenoptische Messung magnetischer Streufelder an ebenen, sehr genau orientierten $(\bar{1}10)$ -Ni-Einkristalloberflächen*. Physica 80B (1975) 389-396.
- (12) Schwink Ch., Schärpf O. : *Solution of the Pauli-Equation for Neutrons in Varying Magnetic Fields and its Application to Reflection and Transmission at Helical Magnetic Structures*. Z.Physik B21, (1975) pp. 305-311.
- (13) Vorbrugg W., Schärpf O. : *Magnetische Kleinwinkelstreuung subthermischer Neutronen an inneren Spannungsfeldern in zugverformten, eckenorientierten Nickel-einkristallen I.Experimente und Messergebnisse*. Phil.Mag.32, (1975) pp. 629-641.

(14) **Schärpf O., Seifert R.** : *An exactly solvable model for the results of small-angle scattering of neutrons by Bloch walls in bulk iron single crystals.* Proceedings of the Neutron Diffraction Conference Aug.5-6, Petten **1975**, Reactor Centrum Nederland, Petten, RCN-Report 234, (**1975**) pp.90-100.

(15) **Schärpf O., Vorbrugg W.** : *Polarization of slow neutrons by curved guide tubes with magnetized mirrors and their application to neutron spin echos.* Proceedings of the Neutron Diffraction Conference Aug.5-6, Petten **1975**, Reactor Centrum Nederland, Petten, RCN-Report 234, (**1975**) pp. 156-162.

1976 Erscheinungsjahr

(16) **Keyser U., Schärpf O., Schwink Ch.** : *Magnetische Streufelder über den Bereichen sehr genau orientierter Ni-Einkristalloberflächen zwischen 5.5-500 K.* J.of Magnetism and Magnetic Materials 2, (**1976**) pp. 39-43.

(17) **Schärpf O., Seifert R., Schwink Ch.** : *Neutronen Kleinwinkelstreuung und Blochwanddicke bei Eisen-(2.5%Si)-Einkristallen definierter Bereichstruktur.* J.of Magnetism and Magnetic Materials 2, (**1976**) pp.93-98.

(18) **Schärpf O., Warnecke H.** : *Experimente mit dem Neutronenspinecho mit langwelligen Neutronen aus einem polarisierenden Neutronenleiter.* J.of Magnetism and Magnetic Materials 2, (**1976**) pp. 113-118.

(19) **Schärpf O.** : *Effect of a Bloch wall as a helical magnetic structure on the passage of neutrons.* Proceedings of the Conference on Neutron Scattering, Gatlinburg, Tennessee, U.S.A. June 6-10 1976, (Distribution Category UC-34, Conf-760601-P1) (**1976**) pp.706-712.

(20) **Schärpf O., Strothmann H.** : *Measurement of neutron birefringence in magnetic structures.* Proceedings of the Conference on Neutron Scattering, Gatlinburg, Tennessee, U.S.A. June 6-10 1976, (Distribution Category UC-34, Conf-760601-P1) (**1976**) pp. 713-719.

(21) **Schärpf O., Brandt K.** : *Zigzag structures of Bloch walls in bulk FeSi(2.5%) single crystals measured by small-angle scattering.* AIP Conf.Proc.No.34, (**1976**) pp.116-118.

(22) **Keyser U., Schärpf O., Schwink Ch.** : *Measurement on the μ^* -tensor method of Williams, Bozorth, Shockley. Temperature (5.5 -500 K) and surface orientation ($0.01^0 - 5.41^0$) dependence.* AIP Conf.Proc.No.34, (**1976**) pp. 113-115.

(23) **Schärpf O.** : *Verhalten der Neutronen beim Durchgang durch die Blochwand.* Habilitationsschrift, Technische Universität Braunschweig, **1976**.

1978 Erscheinungsjahr

(24) **Schärpf O.** : *Theory of Magnetic Neutron Small-Angle Scattering using Dynamical Theory instead of Born Approximation. I.Determination of the Scattering angle.* J.Appl.Cryst. 11, (**1978**) 626-630. (IV. international Conference on Small-Angle Scattering of X-rays and neutrons, Gatlinburg, Tennessee, U.S.A. 3-7 October 1977).

(25) Schärpf O. : *Theory of Magnetic Neutron Small-Angle Scattering using Dynamical Theory instead of Born Approximation. II. Behaviour of the intensity after transition of neutrons through a helical magnetic structure.* J.Appl.Cryst. 11, (1978) 631-636. (IV. international Conference on Small- Angle Scattering of X-rays and neutrons, Gatlinburg, Tennessee, U.S.A. 3-7 October 1977).

(26) Schärpf O., Brandt K. : *Determination of the Orientation of pieces of Zigzag Bloch Walls in Bulk FeSi-Single Crystals by Neutron Small-Angle Scattering.* J.Magnetism and Magnetic Materials 9, (1978) pp. 252-256.

(27) Strothmann H., Schärpf O. : *Measurement concerning the refraction behaviour of neutrons in Bloch walls by means of a double crystal arrangement.* J.Magnetism and Magnetic Materials 9, (1978) pp. 257-260.

(28) Schärpf O. : *The Small-Angle Scattering Behaviour of Neutrons in Magnetic Domain Structures Resulting from Dynamical Theory of Diffraction.* J.Magnetism and Magnetic Materials 9, (1978) pp. 249-251.

1979 Erscheinungsjahr

(29) Schärpf O., Seifert R., Strothmann H. : *Measurement on Bloch walls in (100) nickel single crystals by neutron small-angle scattering.* Journal of Magnetism and Magnetic Materials vol. 13, (1979) pp. 239-242.

(30) Schärpf O., Bierfreund A., Strothmann H. : *Progress in the determination of Bloch wall thickness in Fe(4 at % Si) single crystals by neutron small-angle scattering.* Journal of Magnetism and Magnetic Materials vol. 13, (1979) pp.243-246.

(31) Schärpf O., Weikard H., Keyser U. : *Electron optic measurement of magnetic stray fields above stripe domains of Fe (2.5 % Si) single crystals oriented with a precision of 0.01 degrees.* Journal of Magnetism and Magnetic Materials vol. 13, (1979) pp.247-250.

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1980 Erscheinungsjahr

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(34) Schärpf O., Bierfreund A., Strothmann H. : *Measurement of Bloch wall thickness by neutron small-angle scattering.* Journal of Magnetism and Magnetic Materials vol. 15-18, (1980) pp. 1535-1536.

(35) Schärpf O. : *The polarised neutron technique of neutron spin echo.* In 'Neutron Spin Echo', F.Mezei Ed., Lecture Notes in Physics Vol. 128, (Springer-Verlag, 1980), pp. 27-52.

1981 Erscheinungsjahr

- (36) Seifert R., Treimer W., Schärpf O., Strothmann H., Göltz G. : *Determination of the Bloch wall thickness in Fe-4 at % Si single crystals by neutron small angle scattering.* Colloid and polymer Science vol. 259, (1981) pp. 666-669. (Presented lecture at the V. International Small Angle Scattering Conference, Berlin, R.F.A., October 6-10, 1980).

1982 Erscheinungsjahr

- (37) Schärpf O. : *Diffuse scattering with spin analysis using a supermirror polariser and 5 supermirror analysers: results on paramagnetic scattering, crystal field transitions, separation of coherent and incoherent scattering in liquid sodium time of flight analysis.* In 'Neutron Scattering 1981' J.Faber Ed. (A.I.P., 1982), AIP Conference Proceedings no. 89, pp. 175-181.
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- (39) Heckel B., Ramsey N.F., Green K., Greene G.L., Gaehler R., Schärpf O., Forte M., Drewss W.B., Miller P.D., Golub R., Byrne, Pendlebury J.M.: *A measurement of parity non - conserving neutron spin rotation in lead and tin.* Physics Letters B vol.119, (1982) pp.298-302.
- (40) Gerlach P., Schärpf O., Prandl W., Dorner B. : *Separation of the coherent and incoherent scattering of C_2Cl_6 by polarization analysis.* Journal de Physique. Colloques vol. 43, (1982) pp. C7-151-157 (International Conference on Impact of Polarised Neutrons on Solid State Chemistry, Grenoble, France, October 15-19, 1982).

1983 Erscheinungsjahr

- (41) Okorokov A.I., Gukasov A.G., Sljussar V.N., Topervertz B.P., Schärpf O., Fujara F.: *Etude des exposants critiques des corrélations dynamiques à 3-spin par diffusion de neutrons polarisés dans le fer au dessus de Tc.* Zurnal Eksperimental 'Noj I Teoreticeskoj Fiziki (en russe), vol. 37, (1983) pp. 269-272.
- (42) Gukasov A.G., Okorokov A.I., Fujara F., Schärpf O. : *Etude des corrélations dynamiques à 3 spins dans les ferromagnétiques au-dessus de Tc par la méthode de modulation pseudoaléatoire de neutrons polarisés.* Zurnal Eksperimental 'Noj I Teoreticeskoj Fiziki (en russe), vol. 37, (1983) pp. 432-435.
- (43) Highfield R.R., Thomas R.K., Cummins P.G., Gregory D.P., Mingins J., Hayter J.B., Schärpf O.: *Critical reflection of neutrons from Langmuir-Blodgett films on glass.* Thin Solid Films Vol.99, (1983) pp. 165-172.
- (44) Okorokov A.I., Gukasov A.G., Slyusar' V.N., Toperverg B.P., Schärpf O., Fujara F.: *A study of the critical factorization of ternary dynamical spin correlations by the scattering of polarized neutrons in Fe above Tc.* JETP Letters Vol.37, (1983) pp. 319-322.

- (45) Gukasov A.G., Okorokov A.I., Fujara F., Schärpf O. : *Feasibility of studying the dynamics of three-spin correlations in ferromagnets above T_c by the method of pseudorandom modulation of neutron polarization.* JETP Letters vol. 37, (1983) pp. 513-516.

1984 Erscheinungsjahr

- (46) Schärpf O., Fujara F., Badurek G. : *Test of a mechanical Fourier Chopper at D7.* Technical Report (ILL 84SC28T) (1984).
- (47) Bopp P., Dubbers D., Klemt E., Last J., Schuetze H., Weibler W., Freedman S.J., Schärpf O.: *The beta-decay asymmetry of the free neutron.* Journal de Physique. Colloques vol. 45, (1984) pp.C3-21 - C3-26 (Workshop on Reactor Based Fundamental Physics, ILL, November 1983)
- (48) Heckel B., Forte M., Schärpf O., Green K., Greene G.L., Ramsey N.F., Byrne J., Pendlebury J.M.: *Measurement of parity nonconserving neutron spin rotation in lanthanum.* Physical Review C, vol. 29, (1984) pp.2389-2391.
- (49) Bopp P., Dubbers D., Hornig L., Klemt E., Last J., Schütze H., Freedman S.J., Schärpf O.: *The beta decay of polarized neutrons.* In 'Atomic Masses and fundamental Constants 7', O.Klepper Ed. (Technische Hochschule, Darmstadt, 1984), pp. 584-591.
- (50) Highfield R.R., Humes R.P., Thomas R.K., Cummings P.G., Gregory D.P., Mingins J., Hayter J.B., Schärpf O.: *Critical reflection of neutrons from a soap film.* Journal of Colloid and interface science vo;. 97, (1984) pp.367-373.
- (51) Bopp P., Dubbers D., Klemt E., Last J., Schuetze H., Weibler W., Freedman S.J., Schärpf O.: *Journal de Physique Colloque C3 supplement n.3 45, (1984) pp. C3-21.*

1985 Erscheinungsjahr

- (52) Schärpf O. : *Experience with spin analysis on a time-of-flight multidetector scattering instrument.* In 'NEUTRON SCATTERING IN THE 'NINETIES', PROCEEDINGS OF THE CONFERENCE, Jülich, R.F.A., January 14-18, 1985 (I.A.E.A., 1985), pp. 85-97
- (53) Bopp P., Dubbers D., Hornig L., Klemt E., Last J., Schütze H., Freedman S.J., Schärpf O. : *The beta decay of polarized neutrons.* In 'CAPTURE GAMMA-RAY SPECTROSCOPY AND RELATED TOPICS - 1984', S.RAMAN Ed. (A.I.P., 1985) (Fifth International Symposium, September 1984), pp. 881-888.
- (54) Strothmann H., Schärpf O. : *Determination of temperature dependence of Bloch wall Thickness in Fe(4 at.% Si) single crystals by means of neutron refraction.* In 'Soft magnetic Materials 7', Blackpool conference, August 27-30, (1985) (European Physical Society), pp. 102-104.

1986 Erscheinungsjahr

- (55) Bopp P., Dubbers D., Hornig L., Klemt E., Last J., Schuetze H., Freedman S.J., Schärpf O.: *Beta-decay asymmetry of the neutron and g_A/g_V* . Physical Review Letters Vol. 56, (1986) pp. 919-922.
- (56) Steigenberger U., Schärpf O. : *A polarized neutron study on the development of magnetic ordering in a diluted antiferromagnet*. Physica B vol. 136, (1986) pp. 87-89 (Proceedings of the International Conference on Neutron Scattering, Santa Fe, U.S.A., August 19-23, 1985).
- (57) Gabrys B., Higgins J.S., Schärpf O. : *Contamination by coherent scattering of elastic incoherent structure factor observed in neutron scattering experiments*. Journal of the Chemical Society. Faraday Transactions I, vol. 82, (1986) pp.1923-1927.
- (58) Gabrys B., Higgins J.S., Schärpf O. : *Short-range order in amorphous poly(methyl methacrylate)*. Journal of the Chemical Society. Faraday Transactions I, vol. 82, (1986) pp. 1929-1934.
- (59) Stuhmann H., Schärpf O., Krumpolc M., Niinikoski T.O., Rieubland M., Rijllart A.: *Dynamic nuclear polarization of biological matter*. European Biophysics Journal vol. 14, (1986) pp. 1-6.

1987 Erscheinungsjahr

- (60) McKergow M.W., Ross D.K., Bonnet J.E., Anderson I.S., Schärpf O. : *One dimensional Ordering of deuterium in solution in Yttrium*. Journal of Physics C vol.20, (1987) pp.1909-1923.
- (61) Muskat E., Dubbers D., Schärpf O. : *Dressed neutrons*. Phys.Rev.Lett.Vol 58, (1987) pp.2047-2050.
- (62) Bland J.A.C., Pescia D., Willis R.F., Schärpf O. : *Spin-polarized neutron reflection measurements on atomically thin magnetic layers*. Physica Scripta Vol. 35, (1987) pp.528-531.
- (63) Müller P.P., Reinhard L., Schoenfeld B., Kostorz G., Bühner W., Schärpf, O.: *Diffuse neutron scattering and short-range order in alloys - Contrast variation and contrast enhancement by isotopic replacement*. Materials Research Society, Symposia Proceed. Vol.82 (Materials Research Society) pp.85-88, (1987).
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- (65) Brueckel T., Capellmann H., Just W., Schärpf O., Kemmler-Sack S., Kiemel R., Schaefer W.: *Search for magnetic fluctuations in $YBa_2Cu_3O_7$* . Europhysics Lett. Vol.4, (1987) pp.1189-1194.

1988 Erscheinungsjahr

- (66) Schärpf O., Strothmann H. : *Neutron techniques for magnetic domain and domain wall investigations*. Physica Scripta Vol. T24, (1988) pp.58-70.
- (67) Klemt E., Bopp P., Hornig L., Last J., Freedman S.J., Dubbers D., Schärpf O.: *The beta-decay asymmetry of the neutron*. Zeitschrift für Physik C Vol.37, (1988) pp.179-189.
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- (69) Rossbach M., Schärpf O., Kaiser W., Graf W., Schirmer A., Faber W., Duppich J., Zeisler R.: *The use of focusing supermirror neutron guides to enhance cold neutron fluence rates*. Nuclear Instruments and methods in physics research B, Vol.35, (1988) pp.181-190.
- (70) Brueckel T., Neumann K.U., Capellmann H., Schärpf O., Kemmler-Sack S., Kiemel R., Schaefer W.: *Magnetic fluctuations in the compounds $YBa_2Cu_3O_{6+x}$ ($0 < x < 1$)*. Journal de physique. Colloques 49, (1988) C8-2155-C8-2156. Proceedings of the international conference on magnetism, ICM 88, Paris, France, July 25-29, 1988.
- (71) Fanjat N., Schärpf O., Soubeyrou J.L., Dianoux A.J., Lucazeau G. : *Polarization analysis of the magnetic diffuse scattering of $Na_3Cr_2(PO_4)_3$* . Journal de Physique. Colloques 49, (1988) C8-199-C8-200. Proceedings of the international conference on Magnetism, ICM 88, Paris, France, July 25-29, 1988.

1989 Erscheinungsjahr

- (72) Brueckel T., Neumann K.U., Capellmann H., Schärpf O., Kemmler-Sack S., Kiemel R., Schaefer W.: *Magnetic fluctuations in non-superconducting tetragonal $YBa_2Cu_3O_{6+\delta}$* . Solid State Communications Vol. 70, (1989) pp.53-56.
- (73) Schärpf O., Stüsser N. : *Recent progress in neutron polarizers*. Nuclear instruments and methods in physics research A, vol.284 (1989) pp.208-211. Proceedings of the international workshop on fundamental physics with slow neutrons, ILL, Grenoble, France, March 8-11, 1989
- (74) Knop W., Schink H.J. Stuhmann H.B., Wagner R., Wenkow-Es-Souni M., Schärpf O., Krumpolc M., Niinikoski T.O., Rieubland M., Rijllart A.: *Polarized neutron scattering by polarized proteins of bovine serum albumin in deuterated solvent*. Journal of applied crystallography vol.22, (1989) pp.352-362.
- (75) Strothmann H., Schärpf O. : *Behaviour and thickness of Bloch walls in an $Fe(4 \text{ at.}\% \text{ Si})$ single crystal by means of neutron refraction above $580^{\circ}C$* . Physica Scripta vol.40 (1989) pp.252-256.

- (76) Koenig K.H., Jung H., Schärpf O., Brömer H. : *NMR enhancement and NMR relaxation in a < 110 > FeSi Néel- type single crystal*. Zeitschrift für Physik B, vol.76, (1989) pp.493-499.
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- (78) Schärpf O. : *Properties of beam bender type neutron polarizers using supermirrors*. Physica B vol.156 & 157, (1989) pp.639-646. Proceedings of the international conference on neutron scattering, ICNS88, Grenoble, France, July 12-15, 1988.
- (79) Schärpf O. : *Comparison of theoretical and experimental behaviour of supermirrors and discussion of limitations*. Physica B vol.156 & 157, (1989) 631-638. Proceedings of the international Conference on neutron scattering, ICNS88, Grenoble, France, July 12-15, 1988.
- (80) Ross D.K., Faux D.A., Benham M.J., Sinha S.K., Hempelmann R., Cook J.C., Richter D., Schärpf O., Anderson I.S.: *Coherent quasi-elastic scattering from a NbD_x lattice gas of interacting particles*. Physica B 156 & 157, (1989) 121-124. Proceedings of the international conference on neutron scattering, ICNS88, Grenoble, France, July 12-15,1988.

1990 Erscheinungsjahr

- (81) Hilfrich K., Koelker W., Petry W., Schärpf O., Nembach E. : *Revision of the Fe-Si-phase diagram: No B2-phase for 7.6 at % c_{Si} < 10.2 at %*. Scripta Metallurgica 24, (1990) 39-44.
- (82) Cook J.C., Richter D., Schärpf O., Benham M.J., Ross D.K., Hempelmann R., Anderson I.S., Sinha S.K.: *A study of tracer and collective diffusional processes in alpha'-NbD_{0.7} at 600 K using quasielastic neutron scattering with spin analysis*. Journal of physics: Condensed matter 2, (1990) 79-94.
- (83) Schärpf O., Capellmann H., Brueckel T., Comberg A., Passing H. : **Amplitude, wavevector and frequency dependence of magnetic fluctuations in YBa₂Cu₃O_{6+δ}**. Z. Phys. B Condensed Matter 78, (1990) 345-359.
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- (84) Schärpf O., Capellmann H. : **Structural and magnetic investigations of a La₂CuO₄ single crystal with polarization analysis**. Zeitschrift für Physik B - Condensed matter 80, (1990) pp.253-262.
Included in (134) as Chapter 7
- (85) Cywinski R., Kilcoyne S.H., Cox S.F.J., Scott C.A., Schärpf O. : *A μ SR and neutron polarisation analysis study of Mn moment delocalisation in Fe substituted YMn₂*. Hyperfine Interactions 64 (1990) 427-434

- (86) Schärpf, O., Gabrys, B., Peiffer, D.G. **Short-Range Order in Isotactic, Atactic and Sulfonated Polystyrene Measured by Polarized Neutrons** (*Parts A&B*) ILL Report 90SC26T (1990)
Part A included in (144)

1991 Erscheinungsjahr

- (87) Pierron-Bohnes V., Cadeville M.C., Finel A., Schärpf O. : *Influence of magnetism on chemical order in Fe Al19.5 at% single crystal. High temperature measurements of neutron diffuse scattering.* Journal de physique I, 1, pp.247-260 (1991)
- (88) Schärpf O. : *Thin film devices and their role in future neutron spectroscopic investigations.* Proceedings of the ICNS 91, January 19-25 1991, Bombay India. Physica B 174 (1991), 514-527 90SC5156
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- (90) Heiming A., Petry W., Vogl G., Trampenau J., Schober H.R., Chevrier J., Schärpf O.: *The local displacement field around Co and Nb solutes in w-phase forming bcc-Zr at high temperatures.* Z.Phys.B Condensed Matter 85 (1991) 239-248 91HE5038
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