

CURRICULUM VITAE

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LIST OF PUBLICATIONS

1. S.Y. van der Werf, H. de Waard and H. Beekhuis,
Shape factors of the beta spectra of ^{170}Tm , ^{186}Re and ^{188}Re ,
Nucl. Phys. **134**(1969)215.
2. S. André, P. Liaud, F. Perales and S.Y. van der Werf
Forme du spectre de la transition β de 1510 keV et spin de $^{152}\text{Eu}^{m1}$,
Phys. Lett. **30B**(1969)160.
3. S.Y. van der Werf,
PhD thesis, *First forbidden data decay of some strongly deformed nuclei*, 1971,
unpublished.
4. S.Y. van der Werf,
The beta decay of $^{176\text{m}}\text{Lu}$, Zeitschrift für Physik **259**(1973)45.
5. W.H.A. Hesselink, B.R. Kooistra, L.W. Put, R.H. Siemssen and S.Y. van der Werf,
Proton-hole states in ^{115}In observed in the $^{116}\text{Sn}(d,^3\text{He})$ reaction,
Nucl. Phys. **A226**(1974)229.
6. S.Y. van der Werf, B.R. Kooistra, W.H.A. Hesselink, F. Iachello, L.W. Put and R.H. Siemssen,
Deeply bound hole states as a giant-resonance-like phenomenon,
Phys. Rev. Lett. **33**(1974)712.
7. R.R. Betts, C. Gaarde, O. Hansen, J.S. Larsen and S.Y. van der Werf,
Deuteron induced pick-up reactions on ^{41}Ca ,
Nucl. Phys. **A253**(1975)380.
8. M.N. Harakeh, A.R. Arends, M.J.A. de Voigt, A.G. Drentje, S.Y. van der Werf
and A. van der Woude,
*A study of the isoscalar giant quadrupole resonance and other collective states in ^{16}O
excited by inelastic alpha scattering at $E_\alpha = 104\text{ MeV}$,*
Nucl. Phys. **A265**(1976)189, Erratum **A280**(1977)500.
9. S.Y. van der Werf, B. Fryszczyn, L.W. Put and R.H. Siemssen,
Investigation of proton hole states in $^{109,111}\text{Ag}$ excited in the $^{110,112}\text{Cd}(d,^3\text{He})$ reaction,
Nucl. Phys. **A273**(1976)15.
10. K. van der Borg, M.N. Harakeh, S.Y. van der Werf, A. van der Woude and F.E. Bertrand,
A high resolution study of the giant resonance region in ^{28}Si by inelastic α -particle scattering,
Phys. Lett. **67B**(1977)405.
11. S.Y. van der Werf, M.N. Harakeh, L.W. Put, O. Scholten and R.H. Siemssen,
The $^{116}\text{Sn}(d,t)^{115}\text{Sn}$ reaction and the investigation of deeply-bound hole states in the odd-A tin

- isotopes*, Nucl. Phys. **A289**(1977)141.
12. D.C.J.M. Hageman, M.N. Harakeh, R.H. Siemssen and S.Y. van der Werf,
Proton hole states in ^{114}Cd excited in the $^{115}\text{In}(d,^3\text{He})^{114}\text{Cd}$ reaction at $E_d = 50 \text{ MeV}$,
Nucl. Phys. **A290**(1977)1.
 13. P.R. Christensen, F. Folkmann, O. Hansen, O. Nathan, N. Trautner, F. Videbaek,
S.Y. van der Werf, H.C. Britt, R.P. Chestnut, H. Freisleben and F. Pühlhofer,
Gamma-ray multiplicity moments from deeply inelastic collisions of ^{86}Kr and ^{144}Sm ,
Phys. Rev. Lett. **40**(1978)1245.
 14. S.Y. van der Werf,
On the formalism of multiplicity measurements, Nucl. Instr. Meth. **153**(1978)221.
 15. J.W. Smits, R.H. Siemssen, S.Y. van der Werf and A. van der Woude,
*The $^{58,60,62,64}\text{Ni}(p,\alpha)^{55,57,59,61}\text{Co}$ reactions and their description by the semi-microscopic model
for three-nucleon transfer*, Nucl. Phys. **A319**(1979)29.
 16. J. Wilczynski, R. Kamermans, J. van Popta, R.H. Siemssen, K. Siwek-Wilczynska and
S.Y. van der Werf, *Alpha-multiplicity in ^{12}C induced reactions*, Phys. Lett **88B**(1979)65.
 17. C. Gaarde, J.S. Larsen, M.N. Harakeh, S.Y. van der Werf, M. Igarashi and A. Müller-Arnke,
*The $^{48}\text{Ca}(^3\text{He},t)^{48}\text{Sc}$ reaction at 66 and 70 MeV. Reaction mechanism and Gamow Teller
strength*, Nucl. Phys. **A334**(1980)224.
 18. Z. Sujkowski and S.Y. van der Werf,
*Optimization of the detector-target geometry for in-beam singles and coincidence
 γ -spectroscopy*, Nucl. Instr. Meth. **171**(1980)445.
 19. J. Wilczynski, K. van der Borg, H.T. Fortune, J. van Popta, R.H. Siemssen, K. Siwek-
Wilczynska, S.Y. van der Werf and A. van der Woude,
Symmetric fission of ^{24}Mg induced by inelastic scattering of 120 MeV α -particles,
Nucl. Phys. **A334**(1980)317.
 20. C. Gaarde, J.S. Larsen, A.G. Drentje, M.N. Harakeh and S.Y. van der Werf,
The $^{54}\text{Fe}(^3\text{He},t)^{54}\text{Co}$ reaction at 70 MeV, Gamow-Teller strength,
Nucl. Phys. **A346**(1980)497.
 21. P.R. Christensen, F. Folkmann, O. Hansen, O. Nathan, N. Trautner, F. Videbaek,
S.Y. van der Werf, H.C. Britt, R.P. Chestnut, H. Freiesleben and F. Pühlhofer,
Gamma-ray multiplicity moments from ^{86}Kr reactions on $^{144,154}\text{Sm}$ at 490 MeV,
Nucl. Phys. **A349**(1980)217.
 22. M.N. Harakeh, P. Goldhoorn, Y. Iwasaki, J. Lukasiak, L.W. Put, S.Y. van der Werf
and F. Zwarts, *The supersymmetry scheme and E2 transitions in the Pt region*,
Phys. Lett. **97B**(1980)21.

23. O. Scholten, M.N. Harakeh, J. van der Plicht, L.W. Put, R.H. Siemssen and S.Y. van der Werf, *Neutron pick-up reactions on the even Palladium isotopes and the deeply bound hole-state region*, Nucl. Phys. **A348**(1980)301.
24. Y. Iwasaki, E.H.L. Aarts, M.N. Harakeh, R.H. Siemssen and S.Y. van der Werf, *The $^{194}\text{Pt}(d, ^3\text{He})^{193}\text{Ir}$ reaction: spectroscopic factor and supersymmetry predictions*, Phys. Rev. **C23**(1981)1477.
25. C. Gaarde, J.S. Larsen, A.G. Drentje, M.N. Harakeh and S.Y. van der Werf, *Decay of the giant Gamow-Teller resonance in ^{208}Bi* , Phys. Rev. Lett. **46**(1981)902.
26. J. Rekstad, I. Espe, G. Løvholden, J.R. Lien, J.C. Waddington, C. Gaarde, J.S. Larsen and S.Y. van der Werf, *An investigation of the $^{144}\text{Sm}(\alpha, ^3\text{He})^{145}\text{Sm}$ reaction*, Nucl. Phys. **A369**(1981)453.
27. E.H.L. Aarts, R.K. Bhowmik, R.J. de Meijer and S.Y. van der Werf, *The continuum part of $(^3\text{He}, t)$ spectra at $E_{^3\text{He}} = 52 \text{ MeV}$* , Phys. Lett. **102B**(1981)307.
28. E.H.L. Aarts, P. Grasdijk, R.J. de Meijer and S.Y. van der Werf, *Contributions of elastic, inelastic and absorptive break up to the inclusive deuteron spectrum of the reaction $^{28}\text{Si}(^3\text{He}, d)$ at $E_{^3\text{He}} = 52 \text{ MeV}$* , Phys. Lett. **105B**(1981)130.
29. G. Løvholden, J.R. Lien, J.C. Waddington, J. Rekstad, I. Espe, C. Gaarde, J.S. Larsen and S.Y. van der Werf, *High-spin particle states in ^{151}Sm studied with the $(\alpha, ^3\text{He})$ reaction*, Nucl. Phys. **A369**(1981)461.
30. H. Sakai, R.K. Bhowmik, K. van Dijk, A.G. Drentje, M.N. Harakeh, Y. Iwasaki, R.H. Siemssen, S.Y. van der Werf and A. van der Woude, *Gamma-decay of the deeply-bound hole states populated in the $^{102}\text{Pd}(^3\text{He}, \alpha)^{101}\text{Pd}$ reaction at 70 MeV*, Phys. Lett. **103B**(1981)309-312.
31. S.Y. van der Werf, N. Blasi, S. Brandenburg, A.G. Drentje, M.N. Harakeh, W.A. Sterrenburg, B. Visscher, A. van der Woude, R. De Leo and H. Janszen, *Fission probability of the IAR in the actinide region studies via the $(^3\text{He}, \text{tf})$ reaction*, Phys. Lett. **105B**(1981)111.
32. M. Vergnes, G. Berrier-Ronsin, G. Rotbard, J. Vernotte, H. Langevin-Joliot, E. Gerlic, J. van de Wiele, J. Guillot and S.Y. van der Werf, *The $^{197}\text{Au}(d, ^3\text{He})^{196}\text{Pt}$ reaction and the supersymmetry scheme*, Phys. Lett. **107B**(1981)349.

33. J. Wilczynski, K. Siwek-Wilczynska, J. van Driel, S. Gonggrijp, D.C.J.M. Hageman, R.V.F. Janssens, J. Lukasiak, R.H. Siemssen and S.Y. van der Werf, *Binary l-matched reactions in $^{14}\text{N}+^{159}\text{Tb}$ collisions*, Nucl. Phys. **A373**(1982)109.
34. E.H.L. Aarts, R. Malfliet, S.Y. van der Werf and R.J. de Meijer, *The quasi-free breakup of ^3He* , Nucl. Phys. **A380**(1982)465.
35. E.H.L. Aarts, P. Grasdijk, R. Malfliet, R.J. de Meijer and S.Y. van der Werf, *^3He induced breakup reactions*, Proc. 3rd Int. Conf. on Nuclear Reactions Mechanisms, Varenna, 1982, p.322.
36. P.R. Christensen, O. Hansen, O. Nathan, F. Videbaek, H. Freiesleben, H.C. Britt and S.Y. van der Werf, *Bombarding energy dependence of angular momentum transfer in deep inelastic collisions*, Nucl. Phys. **A390**(1982)336.
37. N. Blasi, R. Bijker, M.N. Harakeh, Y. Iwasaki, W.A. Sterrenburg, S.Y. van der Werf and M. Vergnes, *Study of the $^{193}\text{Ir}(^3\text{He},d)^{194}\text{Pt}$ and $^{193}\text{Ir}(d,^3\text{He})^{192}\text{Os}$ reactions: Test of a supersymmetric coupling scheme*, Nucl. Phys. **A388**(1982)77.
38. N. Blasi, S. Brandenburg, M.N. Harakeh, W.A. Sterrenburg and S.Y. van der Werf, *$^{197}\text{Au}(^3\text{He},d)^{198}\text{Hg}$ reaction at $E_{^3\text{He}} = 50 \text{ MeV}$* , Phys. Rev. **C26**(1982)1893.
39. C. Gaarde, J.S. Larsen, A.G. Drentje, M.N. Harakeh and S.Y. van der Werf, *Answer to: Comment on Decay of Gamow-Teller Giant Resonance by D.P. Balamuth*, Phys. Rev. Lett. **48**(1982)1225.
40. W.A. Sterrenburg, M.N. Harakeh, S.Y. van der Werf and A. van der Woude, *Excitation and decay of $\Delta L = 1$ modes in ^{12}N via the $^{12}\text{C}(^3\text{He},tp)$ reaction*, Nucl. Phys. **A405**(1983)109.
41. E.H.L. Aarts, R. Malfliet, R.J. de Meijer and S.Y. van der Werf, *Contributions of various particle-particle coincidences to the inclusive $(^3\text{He},p)$ spectra at $\theta = 10^\circ$ on ^{12}C , ^{28}Si and ^{58}Ni at $E = 52 \text{ MeV}$* , Contribution to the 1983 RCNP Int. Symp. on Light-Ion Reaction Mechanism, Osaka, May 16-20, 1983, p.581.
42. C. Ellegaard, J.D. Garrett, Ole Hansen, S.Y. van der Werf, R.R. Betts, S.B. DiCenzo and B.F. Bayman, *Study of $^{46,48}\text{Ca}(\alpha,p)$ reactions*, Nucl. Phys. **A406**(1983)134.
43. S.Y. van der Werf and N. Blasi, *The background problem in the study of deep-lying hole states*, Proc. of the Third Miniconf. on coincidence reactions with electromagnetic probes, 1983, p. 206.

44. S.L. Tabor, G. Neuschaeffer, J.A. Carr, F. Petrovich, C.C. Chang, A. Guterman, M.T. Collins, D.L. Friesel, C. Glover and S.Y. van der Werf,
The ($^3\text{He},t$) reaction at 197 MeV on ^{40}Ca , ^{28}Si , ^{24}Mg and ^{12}C , Nucl. Phys. **A422**(1984)12.
45. W.A. Sterrenburg, S. Brandenburg, J.H. van Dijk, A.G. Drentje, M.B. Greenfield, M.N. Harakeh, H. Riezebos, W. Segeth, S.Y. van der Werf and A. van der Woude,
Study of isovector charge exchange excitations and their decay via the $^{16}\text{O}(^3\text{He},tp)$ reaction, Nucl. Phys. **A420**(1984)257.
46. S.Y. van der Werf, S. Brandenburg, A.G. Drentje, P. Grasdijk, M.B. Greenfield, M.N. Harakeh, W. Segeth, W.A. Sterrenburg and A. van der Woude,
Isovector $\Delta L = 1$ strength observed in the ($^3\text{He},t$) reaction on self conjugate nuclei, Proc. of the Int. Symp. on Highly Excited States and Nuclear Structure, HESANS83, ORSAY, 1983, Journal de Physique **45**(1984)C4-471.
47. E.H.L. Aarts, R.A.R.L. Malfliet, R.J. de Meijer and S.Y. van der Werf,
Reaction mechanisms in ^3He projectile breakup at 52 MeV on ^{12}C , ^{28}Si and ^{58}Ni , Nucl. Phys. **A425**(1984)23.
48. K. Bron, B. Kosse, K. Poortema, W. Schaafsma, M.J.A. de Voigt and S.Y. van der Werf,
Some methodological aspects of estimating the first few moments of the distribution of the gamma-ray multiplicity, Statistica Neerlandica **39**(1985)261.
49. T.F. Thorsteinsen, J.S. Vaagen, G. Løvholden, N. Blasi, M.N. Harakeh and S.Y. van der Werf,
Distributions of $i_{13/2}$ transfer strength in (τ, α) induced population of odd-A platinum isotopes, Nucl. Phys. **A435**(1985)125.
50. J.R. Lien, G. Løvholden, J. Rekstad, A. Henriques, C. Gaarde, J.S. Larsen and S.Y. van der Werf,
High-Spin particle states in ^{153}Sm studied with the $(\alpha, ^3\text{He})$ reaction, Nucl. Phys. **A412**(1984)92.
51. M. Pignanelli, S. Micheletti, E. Cereda, M.N. Harakeh, S.Y. van der Werf and R. De Leo, *Proton scattering on ^{100}Mo and ^{112}Cd and the interacting boson approximation*, Phys. Rev. **C29**(1984)434.
52. E.H.L. Aarts, R.A.R.L. Malfliet, R.J. de Meijer, S.Y. van der Werf, G. Baur, R. Shyam, F. Rösels and D. Trautman,
A comparison between a distorted-wave breakup model description and a quasi-free breakup model description of ^3He projectile breakup data at 52 MeV, Nucl. Phys. **A439**(1985)45.
53. H.J. Hofmann, S. Brandenburg, P. Grasdijk, M.N. Harakeh, W.A. Sterrenberg and S.Y. van der Werf,
Spreading width of the IAS in even Pm-isotopes measured via the $^{\text{A}}\text{Nd}(^3\text{He},t)^{\text{A}}\text{Pm}$ and

- $^A\text{Nd}(^3\text{He},tp)^{A-1}\text{Nd}$ reactions, Nucl. Phys. **A433**(1985)181.
54. N. Blasi, M.N. Harakeh, W.A. Sterrenburg and S.Y. van der Werf,
Two-step processes in the population of the 2_2^+ state via the $^{197}\text{Au}(d,^3\text{He})^{196}\text{Pt}$ reaction,
Phys. Rev. **C31**(1985)653.
 55. W.T.A. Borghols, N. Blasi, R. Bijker, M.N. Harakeh, C.W. de Jager, J.B. van der Laan,
H. de Vries and S.Y. van der Werf,
*Excitation of hexadecapole transitions in ^{196}Pt via electron scattering and their interpretation
in the Interacting Boson Approximation,* Phys. Lett. **152B**(1985)330.
 56. M.N. Harakeh and S.Y. van der Werf, *Reuzenresonanties, grondtonen van de atoomkern,*
Nederlands Tijdschrift voor Natuurkunde, **A51**(1985)55.
 57. H. Sakai, R.K. Bhowmik, S. Brandenburg, J.H. van Dijk, A.G. Drentje, M.N. Harakeh,
I. Iwasaki, R.H. Siemssen, S.Y. van der Werf and A. van der Woude,
*Gamma-decay of the deeply-bound hole states in ^{101}Pd , ^{105}Pd , ^{107}Pd , ^{111}Sn , ^{117}Sn observed
in the $(^3\text{He},\alpha\gamma)$ reaction at 70 MeV,* Nucl. Phys. **A441**(1985)640.
 58. R. De Leo, M. Pignanelli, W.T.A. Borghols, S. Brandenburg, M.N. Harakeh, H.J. Lu,
S.Y. van der Werf, C.W. de Jager, J.B. van der Laan and H. de Vries,
*Quadrupole boson structure form factors for proton scattering from the IBA model and electron
scattering,* Phys. Lett. **162B**(1985)1.
 59. R. De Leo, M. Pignanelli, W.T.A. Borghols, S. Brandenburg, M.N. Harakeh, H.J. Lu
and S.Y. van der Werf, *Low-lying octupole strength in ^{112}Cd ,* Phys. Lett. **165B**(1985)30.
 60. S.Y. van der Werf, N. Blasi, M.N. Harakeh, G. Wenes, A.D. Bacher, G.T. Emery, C.W. Glover,
W.P. Jones, H.J. Karwowski, H. Nann, C. Olmer, P. den Heijer, C.W. de Jager, H. de Vries,
J. Ryckebusch and M. Waroquier,
*High-spin lp-lh configurations in ^{116}Sn and their fragmentation as seen in the reactions
 $^{116}\text{Sn}(p,p')$, $^{116}\text{Sn}(e,e')$, $^{115}\text{In}(^3\text{He},d)$ and $^{115}\text{In}(\alpha,t)$,* Phys. Lett. **166B**(1986)372.
 61. N. Blasi and S.Y. van der Werf,
Collective model calculations for ^{193}Ir and spectroscopic strengths,
Nucl. Phys. **A456**(1986)397.
 62. J.M. Schippers, W.T.A. Borghols and S.Y. van der Werf,
*The vertical drift chamber as a two dimensional focal plane detector for light and heavy ions in
the QMG/2 spectrograph,* Nucl. Instr. Meth. **A247**(1986)467.
 63. M. Waroquier, J. Ryckebusch, J. Moreau, K. Heyde, N. Blasi, S.Y. van der Werf and G. Wenes,
Rearrangement effects in shell-model calculations using density dependent interactions,
Phys. Reports **148**(1987)249.

64. H. Langevin-Joliot, E. Gerlic, J. Guillot, J. van de Wiele, S.Y. van der Werf and N. Blasi, *Proton hole response function on ^{196}Pt and ^{197}Au transitional target nuclei up to high excitation energy*, Nucl. Phys. **A462**(1987)221.
65. J. Jänecke, M.N. Harakeh and S.Y. van der Werf, *Spreading widths of isobaric analog states and the isovector giant monopole resonance*, Nucl. Phys. **A463**(1987)571.
66. S.Y. van der Werf, M.N. Harakeh and W.A. Sterrenburg, *$L=1$ charge exchange giant resonances*, Proc. of the Fourth Miniconference, Amsterdam, 1985, p. 125.
67. S.Y. van der Werf, *Core polarization in stretched spin states. Its role in inelastic proton and electron scattering. A case study of the 9^- , $E_x = 3.522$ MeV state in ^{116}Sn* , 9° Session d'Etudes Biennale de Physique Nucléaire Aussois, 1987, p. C16.1.
68. S.Y. van der Werf, J.M. Schippers, N. Blasi, G.T. Emery, M.N. Harakeh, C.W. de Jager and M. Waroquier, *Core polarization and quenching in stretched spin states: Case study of the 9^- , $E_x = 3.522$ MeV state in ^{116}Sn* , Phys. Rev. **C36**(1987)1796.
69. G.J. Kramer, H.P. Blok, J.F.A. van Hienen, S. Brandenburg, M.N. Harakeh, S.Y. van der Werf, P.W.M. Glaudemans and A.A. Wolters, *Spectroscopic factors from the $^{51}\text{V}(d, ^3\text{He})^{50}\text{Ti}$ reaction*, Nucl. Phys. **A477**(1988)55.
70. M. Pignanelli, S. Micheletti, N. Blasi, R. De Leo, W.T.A. Borghols, J.M. Schippers, S.Y. van der Werf and M.N. Harakeh, *Neutron transition moments and quadrupole T - or F -vector states*, Phys. Lett. **202B**(1988)470.
71. J. Rogowski, N. Kaffrell, D. de Frenne, K. Heyde, E. Jacobs, M.N. Harakeh, J.M. Schippers and S.Y. van der Werf, *Evidence for shape coexistence in odd-mass Rhodium isotopes*, Phys. Lett. **207B**(1988)125.
72. J. van Klinken, W.J. Meiring, F.W.N. de Boer, S.J. Schaafsma, V.A. Wichers, S.Y. van der Werf, G.C.Th. Wierda, H.W. Wilschut and H. Bokemeyer, *Search for resonant Bhabha scattering around an invariant mass of 1.8 MeV*, Phys. Lett. **205B**(1988)223.
73. N. Kaffrell, J. Rogowski, H. Tetzlaff, N. Trautmann, D. De Frenne, K. Heyde, E. Jacobs, G. Skarnemark, J. Alstad, M.N. Harakeh, J.M. Schippers, S.Y. van der Werf, W.R. Daniels and K. Wolfsberg, *Evidence for Shape Coexistence in Neutron-rich Rh and Ag Nuclei*, in Nuclei Far from Stability, AIP Conference Proceedings, **164**(1988)286.

74. R.E. Segel, A. Amusa, D.F. Geesaman, R.D. Lawson, B. Zeidman, C. Olmer, A.D. Bacher, G.T. Emery, C.W. Glover, H. Nann, W.P. Jones, S.Y. van der Werf and R.A. Lindgren,
Fragmentation of high-spin particle-hole states in ^{26}Mg , Phys. Rev. **C39**(1989)749.
75. S.Y. van der Werf, S. Brandenburg, P. Grasdijk, W.A. Sterrenburg, M.N. Harakeh, M.B. Greenfield, B.A. Brown and M. Fujiwara,
The effective ^3He -nucleon force in a microscopic DWBA approach to the $(^3\text{He},t)$ charge exchange reaction, Nucl. Phys. **A496**(1989)305.
76. S.Y. van der Werf, M.N. Harakeh and J. Jänecke,
Escape- and spreading width of the Isobaric Analog State,
10^e Session d'Etudes Biennale de Physique Nucléaire, Aussois 1989, p.S.5.1.
77. S.Y. van der Werf, M.N. Harakeh and E.N.M. Quint,
Neutron spectroscopic factors in ^{208}Pb from the proton decay of the ^{208}Bi Isobaric Analog State, Phys. Lett. **216B**(1989)15.
78. R. De Leo, L. Lagamba, N. Blasi, S. Micheletti, M. Pignanelli, M. Fujiwara, K. Hosono, I. Katayama, N. Matsuoka, S. Morinobu, T. Noro, S. Matsuki, H. Okamura, J.M. Schippers, S.Y. van der Werf and M.N. Harakeh,
Quadrupole mixed-symmetry states in ^{106}Pd , Phys. Lett. **226B**(1989)5.
79. R. De Leo, N. Blasi, S. Micheletti, M. Pignanelli, M.N. Harakeh, W.T.A. Borghols, J.M. Schippers and S.Y. van der Werf,
Quadrupole core polarization charges in the $A=100$ and 150 mass regions, Phys. Lett. **226B**(1989)202.
80. H. Langevin-Joliot, E. Gerlic, J. Guillot, J. Van de Wiele, S.Y. van der Werf, T.H. Martens and J.M. Schippers,
Valence and inner proton hole states in ^{119}In via the $(d,^3\text{He})$ reaction, Z. Phys. **A334**(1989)133.
81. R. De Leo, N. Blasi, S. Micheletti, M. Pignanelli, W.T.A. Borghols, J.M. Schippers, S.Y. van der Werf, G. Maino and M.N. Harakeh,
Multipole strength distribution in ^{112}Cd , Nucl. Phys. **A504**(1989)109.
82. S.Y. van der Werf, *An effective ^3He -nucleon force for the $(^3\text{He},t)$ charge exchange reaction*, Invited talk at the 6th Nordic Meeting on Nuclear Physics, Kopervik, Norway, August 10-15, 1989, Physica Scripta **T32**(1990)43.
83. J.M. Schippers, J.M. Schreuder, S.Y. van der Werf, K. Allaart, N. Blasi, and M. Waroquier, *Study of ^{116}Sn neutron pickup and proton stripping reactions*, Nucl. Phys. **A510**(1990)70.

84. M. Pignanelli, N. Blasi, S. Micheletti, R. De Leo, M.A. Hofstee, J.M. Schippers, S.Y. van der Werf and M.N. Harakeh, *Octupole excitations in vibrational nuclei and the sdf interacting boson model*, Nucl. Phys. **A519**(1990)567.
85. P. Woldt, P. Grabmayr, G. Rau, G.J. Wagner, M.A. Hofstee, J.M. Schippers, S.Y. van der Werf and H. Nann, *Testing a sum-rule approach to occupation numbers by the $^{205}\text{Tl}(^3\text{He},d)^{206}\text{Pb}$ reaction*, Nucl. Phys. **A518**(1990)496.
86. J. Van de Wiele, J. Guillot, H. Langevin-Joliot, M. Morlet, L. Rosier, A. Willis, G. Duhamel, E. Gerlic, E. Tomasi-Gustafson, N. Blasi, S. Micheletti and S.Y. van der Werf, *Vector and tensor analyzing powers in the $^{208}\text{Pb}(\bar{d},t)^{207}\text{Pb}$ reaction at 200 and 360 MeV*, Contributed paper at the 7th Int. Conf. on Polarization Phenomena in Nuclear Physics, July 9-13, 1990, Paris, p. 42F.
87. J. Jänecke, F.D. Becchetti, A.M. van den Berg, G.P.A. Berg, G. Brouwer, M.B. Greenfield, M.N. Harakeh, M.A. Hofstee, A. Nadasen, D.A. Roberts, R. Sawafta, J.M. Schippers, E.J. Stephenson, D.P. Stewart and S.Y. van der Werf, *Non-spinflip ($^3\text{He},t$) charge exchange and Isobaric Analog States of Actinide Nuclei studied at $\theta = 0^\circ$, $E(^3\text{He}) = 76 \text{ MeV}$ and 200 MeV* , Nucl. Phys. **A526**(1991)1.
88. M.B. Greenfield, S. Brandenburg, A.G. Drentje, P. Grasdijk, H. Riezebos, S.Y. van der Werf, A. van der Woude, M.N. Harakeh, W.A. Sterrenburg and B.A. Brown, *The $^{24}\text{Mg}(^3\text{He},t)^{24}\text{Al}$ reaction and $L=1$ Giant Resonance systematics, using an effective $^3\text{He}-n$ interaction at 27 MeV/nucleon* , Nucl. Phys. **A524**(1991)228.
89. A. Krasznahorkay, J. Bacelar, J.A. Bordewijk, S. Brandenburg, A. Buda, G. van 't Hof, M.A. Hofstee, S. Kato, T.D. Poelheken, S.Y. van der Werf, A. van der Woude, M.N. Harakeh and N. Kalantar-Nayestanaki, *Excitation of the isovector Giant Dipole Resonance by inelastic α -scattering and the neutron skin of nuclei*, Phys. Rev. Lett. **66**(1991)1287.
90. S.Y. van der Werf, *Escape- and spreading width of the Isobaric Analog State*, Proc. of the 6th Int. Conf. on Nuclear Reactions and Mechanisms, June 10-15, 1991, Varenna, p. 530.
91. A. Krasznahorkay, J. Bacelar, J.A. Bordewijk, S. Brandenburg, S.Y. van der Werf, A. van der Woude, M.N. Harakeh and N. Kalantar-Nayestanaki, *Excitation of the Isovector GDR by inelastic α -scattering and the neutron skin of nuclei*, Proc. of the 6th Int. Conf. on Nuclear Reactions and Mechanisms,

June 10-15, 1991, Varenna , p. 449.

92. N. Blasi, S. Micheletti, M. Pignanelli, R. De Leo, M.A. Hofstee, J.M. Schippers, S.Y. van der Werf and M.N. Harakeh,
Multipole strength distributions in medium-heavy nuclei,
Proc. of the 6th Int. Conf. on Nuclear Reactions and Mechanisms,
June 10-15, 1991, Varenna , p. 472.
93. T. Rönqvist, H. Condé, N. Olsson, R. Zorro, J. Blomgren, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg and S.Y. van der Werf,
The neutron facility of TSL,
Proc. of the Nuclear Energy Agency Specialists Meeting on Neutron Cross-section Standards for the Energy Range above 20 MeV, Uppsala, Sweden, May 21-23, 1991.
94. T. Rogde, E. Andersen, H. Helstrup, G. Løvholden, K. Nybo, T.F. Thorsteinsen, J.S. Vaagen, J.M. Schippers and S.Y. van der Werf,
in "Understanding the Variety of Nuclear Excitations", ed. A. Covello,
Proc. of the 3rd Int. Seminar on Nuclear Physics, Ischia, May 21-25, 1990,(World Scientific Publishing Company, 1991) p. 175.
95. T. Rönqvist, H. Condé, N. Olsson, R. Zorro, J. Blomgren, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg and S.Y. van der Werf,
Backward angle n-p differential cross sections at 96 MeV, Phys. Rev. **C45**(1992)R496.
96. R. Perrino, R. De Leo, A.D. Bacher, G.T. Emery, C.W. Glover, H. Nann, C. Olmer, R.V.F. Janssens and S.Y. van der Werf,
Low-lying excitations in ^{176}Yb and ^{180}Hf from (\bar{p},p') scattering at $E_p = 98.4$ MeV,
Phys. Rev. **C45**(1992)1017.
97. J. Van de Wiele, H. Langevin-Joliot, J. Guillot, L.H. Rosier, A. Willis, M. Morlet, G. Duhamel-Chretien, E. Gerlic, E. Tomasi-Gustafsson, N. Blasi, S. Micheletti and S.Y. van der Werf,
Vector- and tensor analyzing powers in the $^{208}\text{Pb}(\bar{d},t)^{207}\text{Pb}$ reaction at 200 MeV and 360 MeV, Phys. Rev. **C46**(1992)1863.
98. H. Condé, N. Olsson, E. Ramström, T. Rönqvist, R. Zorro, J. Blomgren, A. Hakansson, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg, M. Osterlund, W. Unkelbach, J. Wambach, S.Y. van der Werf, J. Ullmann and S.A. Wender,
The $^{90}\text{Zr}(n,p)^{90}\text{Y}$ reaction at $E_n = 98$ MeV, Nucl. Phys. **A545**(1992)785.
99. J.M. Schippers, W.T.A. Borghols, M.A. Hofstee, R.F. Noorman, J.M. Schreuder, S.Y. van der Werf and N. Blasi,
A high resolution study of stretched-spin states in ^{116}Sn with the $^{115}\text{In}(^3\text{He},d)^{116}\text{Sn}$ and $^{115}\text{In}(\alpha,t)^{116}\text{Sn}$ reactions, Nucl. Phys. **A548**(1992)271.

100. V.Yu. Ponomarev, W.T.A. Borghols, S.A. Fayans, M.N. Harakeh, C.W. de Jager, J.B. van der Laan, A.P. Platonov, H. de Vries and S.Y. van der Werf, *Transition charge densities of low-lying collective states in ^{196}Pt from inelastic electron scattering*, Nucl. Phys. **A549**(1992)180.
101. M. Pignanelli, N. Blasi, S. Micheletti, R. De Leo, L. La Gamba, R. Perrino, J.A. Bordewijk, M.A. Hofstee, J.M. Schippers, S.Y. van der Werf, J. Wesseling and M.N. Harakeh, *Hexadecapole strength distributions of vibrational nuclei in the $A = 100$ mass region*, Nucl. Phys. **A540**(1992)27.
102. E. Andersen, H. Helstrup, G. Løvholden, T.F. Torsteinsen, M. Guttormsen, S. Messelt, T.S. Tveter, M.A. Hofstee, J.M. Schippers and S.Y. van der Werf, *Helium-induced one-neutron transfer to levels in ^{162}Dy* , Nucl. Phys. **A550**(1992)235.
103. R. Perrino, N. Blasi, J.A. Bordewijk, R. De Leo, M.N. Harakeh, C.W. de Jager, S. Micheletti, M. Pignanelli, R.K.J. Sandor, H. de Vries, S.Y. van der Werf and J. Wesseling, *Hexadecapole interacting boson approximation structure functions in Neodymium isotopes*, Phys. Rev. **C47**(1993)R1347.
104. J. Jänecke, J.A. Bordewijk, S.Y. van der Werf and M.N. Harakeh, *Escape- and spreading widths of the isobaric analog states of Sn and Te isotopes*, Nucl. Phys. **A552**(1993)323.
105. M. Pignanelli, N. Blasi, J.A. Bordewijk, R. De Leo, M.N. Harakeh, M.A. Hofstee, S. Micheletti, R. Perrino, V.Yu. Ponomarev, V.G. Soloviev, G. Sushov and S.Y. van der Werf, *Strength distributions in Neodymium isotopes. A test of collective models*, Nucl. Phys. **A559**(1993)1.
106. N. Olsson, H. Condé, E. Ramström, T. Rönngqvist, R. Zorro, J. Blomgren, A. Hakansson, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg, A. Brockstedt, P. Ekström, M. Osterlund, W. Unkelbach, S.Y. van der Werf, D.J. Millener, G. Szeflinska and Z. Szeflinski, *The $^{12}\text{C}(n,p)^{12}\text{B}$ reaction at $E_n = 98\text{ MeV}$* , Nucl. Phys. **A559**(1993)368.
107. T. Rönngqvist, H. Condé, N. Olsson, E. Ramström, R. Zorro, J. Blomgren, A. Hakansson, A. Ringbom, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg, S.Y. van der Werf, W. Unkelbach and F.P. Brady, *The $^{54,56}\text{Fe}(n,p)^{54,56}\text{Mn}$ reactions at $E_n = 97\text{ MeV}$* , Nucl. Phys. **A563**(1993)225.
108. E. Andersen, H. Helstrup, G. Løvholden, K. Nybo, T.F. Torsteinsen, M. Guttormsen, S. Messelt, T.S. Tveter, M.A. Hofstee, J.M. Schippers and S.Y. van der Werf, *Low spin S-band members in $^{160,162}\text{Dy}$* , International Nuclear Physics Conference 1992, Wiesbaden.
109. H. Langevin-Joliot, J. Van de Wiele, J. Guillot, E. Gerlic, L.H. Rosier, A. Willis,

- M. Morlet, G. Duhamel-Chretien, E. Tomasi-Gustafsson, N. Blasi, S. Micheletti and S.Y. van der Werf,
Spin determination of valence and inner hole states via the $^{208}\text{Pb}(\bar{d},t)^{208}\text{Pb}$ reaction at $E_d = 200 \text{ MeV}$, Phys. Rev. **C47**(1993)1571.
110. J. Jänecke, K. Pham, D.A. Roberts, D. Stewart, M.N. Harakeh, G.P.A. Berg, C.C. Foster, J.E. Lisantti, A.M. van den Berg, S.Y. van der Werf, S.E. Muraviev and M.H. Urin,
Fragmentation of Gamow-Teller strength observed in $^{117,120}\text{Sn}(^3\text{He},t)^{117,120}\text{Sb}$ charge-exchange reactions, Phys. Rev. **C48**(1993)2828.
111. J.A. Bordewijk, A. Balanda, D. Beaumel, J. Blomgren, S. Brandenburg, G. van 't Hof, M.N. Harakeh, M.A. Hofstee, J. Jänecke, A. Krasznahorkay, H. Laurent, L. Nilsson, N. Olsson, R. Perrino, R. Siebelink, P.O. Söderman, S.Y. van der Werf and A. van der Woude,
Neutron decay of the isobaric analog state in ^{208}Bi , Nucl. Phys. **A574**(1994)453.
112. N. Olsson, J. Blomgren, H. Conde, K. Elmgren, J. Nilsson, T. Rönqvist, R. Zorro, A. Ringbom, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg, S. Y. van der Werf,
Neutron-proton scattering measurements at intermediate energies,
 Proc. of the Int. Conf. on Nuclear Data for Science and Technology,
 Gatlinburg, USA, 5-14 May 1994, ed. J. K. Dickens
 (La Grange Park: ANS, 1994) p 60.
113. P.O. Söderman, J. Blomgren, A. Ringbom, N. Olsson, L. Nilsson, J.A. Bordewijk, S. Brandenburg, G. van 't Hof, M.A. Hofstee, H. van der Ploeg, S.Y. van der Werf, A. van der Woude, A. Krasznahorkay, A. Balanda, D. Chmielewska and H. Laurent,
Neutron decay of deep hole states populated by the $^{208}\text{Pb}(^3\text{He},\alpha)^{207}\text{Pb}$ reaction at 102 MeV, Nucl. Phys. **A576**(1994)215.
114. J. Van de Wiele, H. Langevin-Joliot, F. Jourdan, J. Guillot, E. Gerlic, L.H. Rosier, A. Willis, C. Djalali, M. Morlet, E. Tomasi-Gustafsson, N. Blasi, S. Micheletti and S.Y. van der Werf, *Experimental survey of the (\bar{d},t) reaction at $E_d = 200 \text{ MeV}$* , Phys. Rev. **C50**(1994)2935.
115. P.O. Söderman, J. Blomgren, A. Ringbom, N. Olsson, L. Nilsson, J.A. Bordewijk, S. Brandenburg, G. van 't Hof, M.A. Hofstee, H. van der Ploeg, S.Y. van der Werf, A. van der Woude, A. Krasznahorkay, A. Balanda, D. Chmielewska and H. Laurent,
Neutron decay of deep hole states in ^{89}Zr populated by the $^{90}\text{Zr}(^3\text{He},\alpha)^{89}\text{Zr}$ reaction at 102 MeV, Nucl. Phys. **A587**(1995)55.
116. M.A. Hofstee, S.Y. van der Werf, A.M. van den Berg, N. Blasi, J.A. Bordewijk, W.T.A. Borghols, R. De Leo, G.T. Emery, S. Fortier, S. Galès, M.N. Harakeh, P. den Heijer, C.W. de Jager, H. Langevin-Joliot, S. Micheletti, M. Morlet, M. Pignanelli, J.M. Schippers, H. de Vries, A. Willis and A. van der Woude,
Localized $1h\omega$ particle-hole strength in nuclei, Nucl. Phys. **A588**(1995)729.

117. D.A. Roberts, K.Ashktorab, F.D. Becchetti, J. Jänecke, M.N. Harakeh, S.Y. van der Werf, G.P.A. Berg, C.C. Foster, J.E. Lisantti, T. Rinckel, E.J. Stephenson, S.P. Wells, A. Nadasen and S. Shaheen, *Neutron decay from the isobaric analog state in ^{120}Sb populated in $^{120}\text{Sn}({}^3\text{He},t){}^{120}\text{Sb}$ at $E({}^3\text{He})= 200\text{ MeV}$, $\theta = 0^\circ$* , Phys. Rev. **C52**(1995)1361.
118. S.Y. van der Werf, *Reworking Slocum's Navigation*, Yachting Montly April (1995)42.
119. V.Yu. Ponomarev, M. Pignanelli, N. Blasi, A. Bontempi, J.A. Bordewijk, R. De Leo, G.Graw, M.N. Harakeh, D. Hofer, M.A. Hofstee, S. Micheletti, R. Perrino and S.Y. van der Werf, *Particle-hole and particle-particle correlations in Neodymium isotopes*, Nucl. Phys. **A601**(1996)1.
120. S.Y. van der Werf, *Astronomische waarnemingen tijdens de derde tocht naar het Noorden (1596-1597). Reconstructie van de dagtelling en zoektocht naar het graf van Barents*. In: 400 jaar Willem Barentsz, ed. Louwrens Hacquebord en Pieter van Leunen, Flevodruk, Harlingen, po. 93 (1996).
121. S.Y. van der Werf, *The lunar distance method in the nineteenth century: A simulation of Joshua Slocum's observation on June 16, 1896*, Navigation, journal of the Institute of Navigation **44**(1997)1.
122. A. Ringbom, A. Hakansson, G. Tibell, R. Zorro, J. Blomgren, H. Condé, J. Rahm, N. Olsson, E. Ramström, T. Rönqvist, O. Jonsson, L. Nilsson, P.-U. Renberg, S.Y. van der Werf and H. Lenske, *The $^{208}\text{Pb}(n,p){}^{208}\text{Tl}$ reaction at $E_n = 97\text{ MeV}$* , Nucl. Phys. **A617**(1997)316.
123. S.Y. van der Werf, *De maan en het getijdenkompas*, Cornelis Douwes, Maritiem periodiek Zeevaartchool Willem Barentsz, **132**(1997)3304.
124. S.Y. van der Werf, *Nuclear sizes and the Coulomb Displacement Energy*, Proc. Int. Symp. on Exotic Nuclear Shapes, 12-17 May 1997, Debrecen, APH N.S. Heavy Ion Physics **6**(1997)13.
125. H. Langevin-Joliot, J. Van der Wiele, F. Jourdan, J. Guillot, L.H. Rosier, A. Willis, C. Djalali, M. Morlet, E. Tomasi-Gustafsson, N. Blasi, S. Micheletti and S.Y. van der Werf, *Valence and inner hole responses via the $^{208}\text{Pb}(\bar{d},t){}^{207}\text{Pb}$ reaction at $E_d = 200\text{ MeV}$ and form factor dependence*, Phys. Rev. **C58**(1998)2192.

126. S.Y. van der Werf, Astronomical observations during Willem Barents's third voyage to the North (1596-1597), *ARCTIC* **51**(1998)142.
127. A. Krasznahorkay, D. Habs, M. Hunyadi, D. Gassmann, M. Csatlós, Y. Eisermann, T. Faestermann, C. Graw, J. Gulyás, R. Hertemberger, H.J. Maier, Z. Máté, A. Metz, J. Ott, P. Thirolf and S.Y. van der Werf, *On the excitation of the ground state in the third minimum of ^{234}U* , *Phys. Lett.* **B461**(1999)15.
128. M. Seip, R. Bieber, A.G. Drentje, M.J. van Goethem, M.N. Harakeh, M. Hoefman, H. Huisman, N. Kalantar-Nayestanaki, H.R. Kremers, J.G. Messchendorp, M. Volkerts, S.Y. van der Werf and H.W. Wilschut, *Measurements of the Analyzing Power of Elastic pd -Scattering at 190 MeV*, *Few Body Systems Suppl.* **10**(1999)327.
129. R.G.T. Zegers, S. Brandenburg, M.N. Harakeh, S.Y. van der Werf, J. Jänecke, T. O'Donnell, D.A. Roberts, S. Shaheen, G.P.A. Berg, C.C. Foster, T. Rinckel and J. Stephenson, *Search for isovector giant monopole resonances via the $^{124}\text{Sn}(^3\text{He},tn)$ reaction*, *Phys. Rev.* **C61**(2000) 3779–3782.
130. R. Bieber, W. Glöckle, J. Golak, M.N. Harakeh, D. Hüber, H. Huisman, N. Kalantar-Nayestanaki, H. Kamada, J.G. Messchendorp, A. Nogga, H. Sakai, N. Sakamoto, M. Seip, M. Volkerts, S.Y. van der Werf and H. Witala, *The three-nucleon force and the A_y puzzle in intermediate energy $\bar{p}+d$ and $\bar{d}+p$ elastic scattering*, *Phys. Rev. Lett.* **84**(2000)606.
131. Siebren Y. van der Werf, Günther P. Können, Waldemar H. Lehn en Frits Steenhuisen, *Waerachtige Beschryvinghe van het Nova-Zembla-effect, 24-27 januari 1597*, *Nederlands Tijdschrift voor Natuurkunde*, **66e** jaargang (2000), nummer 4, pg. 120 and: Cornelis Douwes **143**(2000)65.
132. S.Y. van der Werf en H. Smits, *Over de waarneming van de Nederlanders in het hoge Noorden, vertaling en annotaties van De observatione Hollandorum in alto Septentrione, Johannes Kepler, 1604*. Cornelis Douwes **143**(2000)62.
133. S. Dangtip, J. Blomgren, N. Olsson, H. Condé, K. Elmgren, J. Rahm, A. Ringbom, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg and S.Y. van der Werf, *The $^9\text{Be}(n,p)^9\text{B}$ reaction and the Gamow-Teller unit cross section*, *Nucl. Phys.* **A677**(2000)3.
134. R.G.T. Zegers, A.M. van den Berg, S. Brandenburg, F.R.R. Fleurot, V.M. Hannen, M.N. Harakeh, K. van der Schaaf, S.Y. van der Werf, H.W. Wilschut, J. Guillot,

- H. Laurent, A. Willis and M. Fujiwara
Search for isovector monopole strength via the $Pb(^3He, tp)$ reaction,
 Phys. Rev. Lett. 84 (2000)3779.
135. A. Krasznahorkay, D. Habs, M. Hunyadi, D. Gassmann, M. Csatlós, Y. Eisermann, T. Faestermann, G. Graw, J. Gulyás, R. Hertenberger, H.J. Maier, Z. Máté, A. Metz, J. Ott, P.G. Thirolf and S.Y. van der Werf,
Super- and hyperdeformed states in the actinide region.
 Proceedings of the International Symposium on Advances in Nuclear Physics. Bucharest, Romania, 9-10 Dec., 1999. Eds: Dorin Poenaru and Sabin Stoica. Singapore, etc., World Scientific, (2000) 328.
136. A. Krasznahorkay, D. Habs, M. Hunyadi, D. Gassmann, M. Csatlós, Y. Eisermann, T. Faestermann, G. Graw, J. Gulyás, R. Hertenberger, H.J. Maier, Z. Máté, A. Metz, J. Ott, P.G. Thirolf and S.Y. van der Werf,
Hyperdeformation and clusterization in the actinide region.
 Proceedings of the International Symposium on Exotic Nuclear Structures. 15-20 May 2000, Debrecen, Hungary. Eds: Zs. Dombradi and A. Krasznahorkay. Debrecen, Atomki (2000), 319.
137. R. Bieber, A.M. van den Berg, K. Ermisch, V.M. Hannen, M.N. Harakeh, H. Huisman, M.A. de Huij, N. Kalantar-Nayestanaki, J.G. Messchendorp, M. Seip, M. Volkerts, J. Volmer, S.Y. van der Werf and H.W. Wilschut,
Performance of the KVI In-Beam Polarimeter,
 Nucl. Instr. Meth. **A457**(2001)12.
138. A. Ringbom, G. Tibell, J. Blomgren, H. Condé, K. Elmgren, N. Olsson, J. Rahm, T. Rönqvist, O. Jonsson, L. Nilsson, P.-U. Renberg, Chr. Bargholtz, K. Fransson, K. Lindh, P.-E. Tegnér, P. Thörngren-Engblom and S.Y. van der Werf,
The $^{10,11}B(n,p)^{10,11}Be$ reactions at $E_n = 96$ MeV.
 Nucl. Phys. **A679**(2001) 231.
139. P.O. Söderman, A. Ringbom, J. Blomgren, N. Olsson, L. Nilsson, J.A. Bordewijk, S. Brandenburg, G. van 't Hof, M.A. Hofstee, H. van der Ploeg, S.Y. van der Werf, A. Krasznahorkay, A. Balanda, D. Chmielewska and H. Laurent,
Neutron decay of deep hole states and isobaric analog states in ^{115}Sn populated by the $(^3He, \alpha)$ reaction at 102 MeV, Nucl. Phys. **A683**(2001)79.
140. N. Kalantar-Nayestanaki, R. Bieber, W. Glöckle, J. Golak, M.N. Harakeh, D. Hüber, H. Huisman, H. Kamada, J.G. Messchendorp, A. Nogga, H. Sakai, N. Sakamoto, M. Volkerts, S.Y. van der Werf and H. Witala,
 A_y puzzle at intermediate energy pd elastic scattering, Nucl. Phys. **A684** (2001) 580c.
141. R.G.T. Zegers, A.M. van den Berg, S. Brandenburg, F.F.R. Fleurot, M. Fujiwara, J. Guillot, V.M. Hannen, M.N. Harakeh, H. Laurent, K. van der Schaaf, S.Y. van der Werf, A. Willis and H.W. Wilschut,
Observation of the isovector giant monopole resonances in the $(^3He, t)$ reaction,

- Nucl. Phys. **A687** (2001) 262c.
142. R.G.T. Zegers, A.M. van den Berg, S. Brandenburg, M. Fujiwara, J. Guillot, M.N. Harakeh, H. Laurent, S.Y. van der Werf, A. Willis and H.W. Wilschut, *Excitation of the isovector giant monopole resonances via the $^{nat}Pb(^3He, tp)$ reaction*, Phys. Rev. **C63** (2001) 034613.
143. A. Krasznahorkay, D. Habs, M. Hunyadi, D. Gassmann, M. Csatlós, Y. Eisermann, T. Faestermann, C. Graw, J. Gulyás, R. Hertemberger, H.J. Maier, Z. Máté, A. Metz, J. Ott, P. Thirolf and S.Y. van der Werf, *Superdeformation, hyperdeformation and clustering in the actinide region*, Acta Physica Polonica **B32**(2001)657.
144. M. Hunyadi, D. Gassmann, A. Krasznahorkay, D. Habs, M. Csatlós, Y. Eisermann, T. Faestermann, C. Graw, J. Gulyás, R. Hertemberger, H.J. Maier, Z. Máté, A. Metz, P. Thirolf, M. Chromik and S.Y. van der Werf, *Superdeformed rotational bands in ^{240}Pu* , Acta Physica Polonica **B32**(2001)699.
145. J. Rahm, J. Blomgren, H. Condé, S. Dangtip, K. Elmgren, N. Olsson, T. Rönqvist, R. Zorro, O. Jonsson, L. Nilsson, P.U. Renberg, A. Ringbom, G. Tibell, S.Y. van der Werf, T.E.O. Ericson and B. Loiseau, *np scattering measurements at 96 MeV*, Phys. Rev. **C63** (2001) 044001.
146. M. Csatlós, A. Krasznahorkay, A.M. van den Berg, M.N. Harakeh, S.Y. van der Werf, M. Hagemann, M.N. de Huu, H. Akimune, H. Fujimura, M. Fujiwara, K. Hara and T. Ishikawa, *A new methods to measure the neutron skin*, Acta Physica Hungarica New Series - Heavy Ion Physics, **13** (2001) 203.
147. M. Csatlós, A. Krasznahorkay, A.M. van den Berg, M.N. Harakeh, S.Y. van der Werf, M. Hagemann, M.N. de Huu, H. Akimune, H. Fujimura, M. Fujiwara, K. Hara and T. Ishikawa, *A new methods to measure the neutron skin. Hyperdeformation and clusterization in the actinide region*, Proceedings of the International Symposium on Exotic Nuclear Structures. 15-20 May 2000, Debrecen, Hungary. Eds: Zs. Dombradi and A. Krasznahorkay. Debrecen, Atomki (2000), 403.
148. A. Krasznahorkay, M. Hunyadi, M. Csatlós, J. Gulyás, Z. Máté, D. Habs, D. Gassmann, G. Graw, Y. Eisermann, R. Hertemberger, H.J. Maier, A. Metz, J. Ott, P.G. Thirolf, T. Faestermann, M.N. Harakeh and S.Y. van der Werf, *Super- and hyperdeformed states in the actinide region*, Nuclear structure, Proceedings of the Conference: Bologna 2000. Structure of the Nucleus at the Dawn of the Century. 29 May - 3 June, 2000. Bologna, Italy. Eds.: G.C. Bonsignori et al. New Jersey, etc., World Scientific, 2 (2001) 306.
149. A. Krasznahorkay, D. Habs, M. Hunyadi, D. Gassmann, M. Csatlós, Y. Eisermann,

- T. Faestermann, G. Graw, J. Gulyás, R. Hertenberg, H.J. Maier, Z. Máté, A. Metz, J. Ott, P.G. Thirolf and S.Y. van der Werf,
Hyperdeformation and clusterization in the actinide region,
Acta Physica Hungarica New Series - Heavy Ion Physics **13** (2001) 111.
150. A. Krasznahorkay, D. Habs, M. Hunyadi, D. Gassmann, M. Csatlós, Y. Eisermann, T. Faestermann, G. Graw, J. Gulyás, R. Hertenberg, H.J. Maier, Z. Máté, A. Metz, J. Ott, P.G. Thirolf and S.Y. van der Werf,
Superdeformation, hyperdeformation and clustering in the actinide region,
Acta Physica Polonica **B32** (2001) 657.
151. Y. Fujita, H. Fujita, T. Adachi, G.P.A. Berg, E. Caurier, H. Fujimora, K. Hara, K. Hatanaka, Z. Janas, J. Kamiya, T. Kawabata, G. Martinez-Pinedo, T. Noro, E. Roeckl, Y. Shimbara, T. Shineda, S.Y. van der Werf, M. Yoshifuku, M. Yosoi and R.G.T. Zegers,
Gamow-Teller transitions from ^{58}Ni to discrete states of ^{58}Cu -The study of isospin symmetry in atomic nuclei, Eur. Phys. J. **A13**(2002)411-418.
152. M. Csatlós, A. Krasznahorkay, A.M. van den Berg, M.N. Harakeh, M.N. de Huu, S.Y. van der Werf, M. Hagemann, H. Akimune, H. Fujimura, M. Fujiwara, K. Hara and T. Ishikawa,
Neutron-skin thickness from excitation of spin-dipole resonance,
Acta Physica Polonica **B33** (2002) 331.
153. A. Krasznahorkay, M. Csatlós, A.M. van den Berg, M.N. Harakeh, M.N. de Huu, S.Y. van der Werf, M. Hagemann, H. Akimune, H. Fujimura, M. Fujiwara, K. Hara, and T. Ishikawa,
A new method for measuring nuclear skins.
Nuclear Physics in the 21st Century. International Nuclear Physics Conference, INPC 2001. Berkeley, California, USA, 30 July - 3 Aug., 2001. Eds: E. Norman, L. Scroeder, G. Wozniak. Melville, New York, AIP Conference Proceedings, Vol. **610** (2002) 751.
154. S. Y. van der Werf,
Raytracing and refraction in the modified US1976 atmosphere,
Applied Optics **42**(2003)354-366
155. S. Y. van der Werf, G. P. Können and W. H. Lehn,
The Novaya Zemlya effect and sunsets,
Applied Optics **42**(2003)367-378
156. S. Y. van der Werf, G. P. Können, W. H. Lehn, F. Steenhuisen and W. P. S. Davidson,
Gerrit de Veer's true and perfect description of the Novaya Zemlya effect,
Applied Optics **42**(2003)379-389
157. M. Csatlós, A. Krasznahorkay, D. Sohler, A.M. van den Berg, N. Blasi, J. Gulyás, M.N. Harakeh, M. Hunyadi, M.A. de Huu, Z. Máté, S.Y. van der Werf, H.J. Wörtche and L. Zolnai,

- Measurement of neutron-skin thickness in ^{208}Pb by excitation of the GDR via inelastic alpha-scattering.* Nuclear Physics **719**(2003)C304-C307.
158. S. Rakers, F. Ellinghaus, R. Bassini, C. Bäumer, A.M. van den Berg, D. Frekers, D. De Frenne, M. Hagemann, V.M. Hannen, M.N. Harakeh, M. Hartig, R. Henderson, J. Heyse, M.A. de Huu, E. Jacobs, M. Mielke, J.M. Schippers, R. Schmidt, S.Y. van der Werf and H.J. Wörtche,
Measuring the $(d,^2\text{He})$ reaction with the focal-plane detector of the BBS magnetic spectrometer at AGOR. Nucl. Instr. Meth. **A481**(2002)253-261.
159. V.M. Hannen, K. Amos, A.M. van den Berg, R.K. Bieber, P.K. Deb, F. Ellinghausen, D. Frekers, M. Hagemann, M.N. Harakeh, J. Heyse, M.A. de Huu, B.A.M. Krüsemann, S. Rakers, R. Schmidt, S.Y. van der Werf and H.J. Wörtche,
Measurements and microscopic analysis of the $^{11}\text{B}(\bar{p},p')$ reaction at $E_p = 150$ MeV, I: inelastic scattering. Phys. Rev. **C67**(2003)054320.
160. V.M. Hannen, K. Amos, A.M. van den Berg, R.K. Bieber, P.K. Deb, F. Ellinghausen, D. Frekers, M. Hagemann, M.N. Harakeh, J. Heyse, M.A. de Huu, B.A.M. Krüsemann, S. Rakers, R. Schmidt, S.Y. van der Werf and H.J. Wörtche,
Measurements and microscopic analysis of the $^{11}\text{B}(\bar{p},p')$ reaction at $E_p = 150$ MeV, II: depolarization in elastic scattering from odd-A nuclei. Phys. Rev. **C67**(2003)054321.
161. S.Y. van der Werf, *De maansafstand en de positie van Atlantis,* Cornelis Douwes **155**(2003)11.
162. S.Y. van der Werf, *Navigatie met de maan als klok,* Cornelis Douwes **156**(2003)32.
163. G. Leegsma-Vogt, S.Y. van der Werf, K. Venema and J. Korf,
Modeling cerebral arterio-venous lactate kinetics following intravenous lactate infusion in the rat, Journal of Cerebral Blood Flow and Metabolism, **24**(2004)1071-1080.
164. A. Krasznahorkay, H. Akimune, A.M. van den Berg, N. Blasi, S. Brandenburg, M. Csatlós, M. Fujiwara, J. Gulyás, M.N. Harakeh, M. Hunyadi, M. de Huu, Z. Máté, D. Sohler, S.Y. van der Werf, H.J. Wörtche and L. Zolnai,
Neutron-skin thickness in neutron-rich isotopes, Nucl. Phys. **A731**(2004)224-234.
165. S.Y. van der Werf, *Poolshoogte nemen: Breedtebepaling in de vijftiende en zestiende eeuw,* Cornelis Douwes **157**(2004)26.
166. S.Y. van der Werf, *Het Astrolabium,* Cornelis Douwes **160**(2004)20.
167. S.Y. van der Werf, *Waarom staat de maan scheef en waarom zien we steeds dezelfde kant?* Cornelis Douwes **162**(2005)12.
168. W.P.S. Davidson and S.Y. van der Werf,

- The Toboggan Sun*, Applied Optics **44**(2005)5644.
169. W.H. Lehn and S.Y. van der Werf, *Atmospheric refraction: a history*, Applied Optics **44**(2005)5624.
170. J. Guillot, D. Bäumer, D. Beaumel, A.M. van den Berg, S. Brandenburg, G. Colò, B. Davids, S. Fortier, D. Frekers, E.-W. Grewe, M. Fujiwara, S. Galès, P. Haefner, M.N. Harakeh, M. Hunyadi, M. de Huu, B.C. Junk, E. Rich, N. Van Giai, S.Y. van der Werf, and H. Wörtche, *Investigation of Isovector Excitations in the $(t, {}^3\text{He})$ reaction at $E_t = 43$ MeV/n on ${}^{58}\text{Ni}$ and ${}^{48}\text{Ca}$ targets*, Nucl. Phys. **A752**(2005)349c-352c
171. J. Guillot, S. Galès, D. Beaumel, S. Fortier, E. Rich, N. Van Giai, G. Colò, A.M. van den Berg, S. Brandenburg, B. Davids, M.N. Harakeh, M. Hunyadi, M. de Huu, S.Y. van der Werf, H. Wörtche, D. Bäumer, D. Frekers, E.-W. Grewe, P. Haefner, B.C. Junk and M. Fujiwara, *The $(t, {}^3\text{He})$ reaction at 43 MeV/nucleon on ${}^{48}\text{Ca}$ and ${}^{58}\text{Ni}$: Results and microscopic interpretation*. Phys. Rev. **C73**(2006)014616.
172. S.Y. van der Werf, *Nova Zembla Verschijnsel, Fata Morgana en Toboggan effect*, Cornelis Douwes **165**(2006)11.
173. S.Y. van der Werf, K.I. Kaptein, P. de Jonge, J. Spijker, R. de Graaf and J. Korf, *Major Depressive Episodes and Random Mood*, Arch. of Gen. Psychiatry **63**(2006)509-518.
174. K.I. Kaptein, P. de Jonge, J. Korf, J. Spijker, R. de Graaf and S.Y. van der Werf, *Random-mood interpretation of determinants for major depression*, Psychological Medicine **37**(2007)1261-1271.
175. S.Y. van der Werf, *Comment on "Improved ray tracing air mass numbers model"*, Applied Optics **47**(2008)153-156.
176. S.Y. van der Werf, *Hoe gevoelig is het oog voor perspectief?*, Cornelis Douwes **183** (2010) 26–29.
177. Siebren van der Werf, *Het Nova Zembla verschijnsel, Geschiedenis van een luchtspiegeling*, 2011, Historische Uitgeverij, Groningen.
178. Siebren Y. van der Werf, *Noninverted images in inferior mirages*, Applied Optics **50**(2011)F12-15.
179. Günther P. Können en Siebren Y. van der Werf, *Reflection halo twins: Supersun and subsun*, Applied Optics **50**(2011)F80-88.
180. Siebren van der Werf, *Luchtspiegelingen*, Nederlands Tijdschrift voor Natuurkunde, 80^e jaargang (2014), nummer 11, pg. 387.

181. Siebren van der Werf and Igor Shokaryev, *Wave Height and Horizon Dip*, Navigation, Journal of The Institute of Navigation Vol. 62, No. 2, Summer 2015, 161 – 169
182. Siebren van der Werf en Igor Shokaryev, *Golven en kimhoogte, vergeten correctie in astronavigatie*, Schuttevaer, 5 september 2015.
183. Siebren van der Werf, *Hafgerdingar and giant waves*, Applied Optics **56**, G51–G58 (2017).
184. Siebren van der Werf en Dick Huges, *Astronavigatie van Columbus tot Willem Barentsz voor de modern zeiler*, 2017, Uitgeverij Lanasta, Emmen.
185. Siebren van der Werf, *History and critical analysis of fifteenth and sixteenth century nautical tables*, Journal for the History of Astronomy 48(2017)207-232.
186. Siebren van der Werf, *Vroege instrumenten voor breedte- en tijdbepaling*, Scheepshistorie 24 (2018) 56-67.
187. Siebren van der Werf, Ingrid Spendel, Hans Betlem en Günther Können, *Stagnerende zonsondergang door Nova Zembra-effect*, Nederlands Tijdschrift voor Natuurkunde, januari 2019, 6-7.
188. Siebren van der Werf, *Nautical Tables for Vasco da Gama, 1497-1500?*, Journal for the History of Astronomy 50(2019)326-338
189. Siebren van der Werf en Dick Huges, *Astronavigatie van Columbus tot Willem Barentsz voor de modern zeiler*, 2021, tweede druk, Uitgeverij Lanasta, Odoorn.
189. Siebren van der Werf and Dick Huges, *Astronavigation from Columbus to William Barentsz for the modern yachtsman*, 2021, Lanasta, Odoorn.
190. Siebren van der Werf und Dick Huges, *Astronavigation von Kolumbus bis Willem Barentsz für den modernen Segler*, 2021, Lanasta, Odoorn.
191. Siebren van der Werf, *Drieduizend jaar navigatie op de sterren, mythevorming en geschiedenis*, 2022, Querido Facto, Amsterdam.
192. Nicolàs de Hilster and Siebren van der Werf, *The effect of aperture and seeing on the visibility of sunspots when using early modern and modern telescopes of modest size*, 2022.
[arXiv:2208.07244](https://arxiv.org/abs/2208.07244) [astro-ph.SR]
193. Siebren van der Werf, *Van A naar B door de eeuwen heen*, 2022,
<https://www.natuurkunde.nl/artikelen/3766/van-a-naar-b-door-de-eeuwen-heen>

194. Siebren van der Werf, *Novaya Zemlya effect and Fata Morgana. Raytracing in a spherically non-symmetric atmosphere*, Comptes Rendus Physique, Vol. 23, Published online 6 January 2023.
https://comptes-rendus.academie-sciences.fr/physique/item/CRPHYS_2022__23_S1/