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152 reference(s) found :

Keynumber: 2001KH07
Reference: Yad.Fiz. 64, No 3, 570 (2001); Phys.Atomic Nuclei 64, 516 (2001)
Authors: I.B.Khriplovich
Title: Variations on the Deuteron Theme
Keyword abstract: NUCLEAR STRUCTURE ^{2}H; calculated quadrupole,anapole moments. Comparison with scattering data.
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated photon polarization.

Keynumber: 2000SN02
Reference: Nucl.Instrum.Methods Phys.Res. A440, 729 (2000)
Authors: W.M.Snow, A.Bazhenov, C.S.Blessinger, J.D.Bowman, T.E.Chupp, K.P.Coulter, S.J.Freedman, B.K.Fujikawa, T.R.Gentile, G.L.Greene, G.Hansen, G.E.Hogan, S.Ishimoto, G.L.Jones, J.N.Knudson, E.Kolomenski, S.K.Lamoreaux, M.B.Leuschner, A.Masaike, Y.Masuda, Y.Matsuda, G.L.Morgan, K.Morimoto, C.L.Morris, H.Nann, S.I.Penttila, A.Pirozhkov, V.R.Pomeroy, D.R.Rich, A.Serebrov, E.I.Sharapov, D.A.Smith, T.B.Smith, R.C.Welsh, F.E.Wietfeldt, W.S.Wilburn, V.W.Yuan, J.Zerger
Title: Measurement of the Parity Violating Asymmetry A_{γ} in n(pol) + p → d + γ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=low; calculated parity violation measurement systematic effects. Experiment proposal.

Keynumber: 2000RU07
Reference: Nucl.Phys. A678, 405 (2000)
Authors: G.Rupak
Title: Precision Calculation of np → dγ Cross Section for Big-Bang Nucleosynthesis
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E(cm) <1 MeV; ^{2}H(γ,n),E=2-10 MeV; calculated σ. Effective field theory. Applications to big-bang nucleosynthesis discussed.

Keynumber: 2000PA03
Reference: Phys.Lett. 472B, 232 (2000)
Authors: T.-S.Park, K.Kubodera, D.-P.Min, M.Rho
Title: Effective Field Theory Approach to n(pol) + p(pol) → d + γ at Threshold
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E not given; calculated polarization observables. Effective field theory,polarized target.

Keynumber: 2000MU04
Reference: Nucl.Instrum.Methods Phys.Res. A440, 736 (2000)
Authors: T.M.Muller, D.Dubbers, P.Hautle, E.I.Bunyatova, E.I.Korobkina, O.Zimmer
Title: Measurement of the γ-Anisotropy in n(pol) + p(pol) → d + γ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=low; measured Eγ,Iγ(θ),γ-anisotropy. Polarized target.

Keynumber: 2000IV06
Reference: Eur.Phys.J. A 8, 223 (2000)
Authors: A.N.Ivanov, H.Oberhummer, N.I.Troitskaya, M.Faber

Title: Dynamics of Low-Energy Nuclear Forces for Electromagnetic and Weak Reactions with the Deuteron in the Nambu-Jona-Lasinio Model of Light Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; ^{2}H(γ,n),E=2.62-4.45 MeV; ^{2}H(ν,e^{-}p),E=4-10 MeV; calculated σ. ^{1}H(p,X),E=low; calculated spectroscopic factor Spp(0). ^{2}H(ν-bar,e^{+}n), ^{2}H(ν,nν),E not given; calculated σ averaged over antineutrino energy spectrum. Astrophysics relevance discussed.

Keynumber: 2000DE25
Reference: J.Res.Natl.Inst.Stand.Technol. 105, 11 (2000)
Authors: M.S.Dewey, E.G.Kessler, Jr.
Title: Precision Measurement of Fudamental Constants using GAMS4

Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{35}Cl(n,γ),E=reactor; measured Eγ,Iγ. ^{2}H, ^{36}Cl deduced binding energies. Crystal diffraction method.

Keynumber: 1999ZHZM
Reference: INDC(CPR)-049/L, p.76 (1999)
Authors: C.Zhou
Title: Prompt γ-Ray Data Evaluation of Thermal-Neutron Capture for A = 1 ϑ 25

Keyword abstract: NUCLEAR REACTIONS ^{1}, ^{2}H, ^{6}, ^{7}Li, ^{9}Be, ^{12}, ^{13}C, ^{14}N, ^{16}, ^{17}O, ^{19}F, ^{20}, ^{21}, ^{22}Ne, ^{23}Na, ^{24}, ^{25}Mg(n,γ),E=thermal; compiled, evaluated prompt γ-ray data.

Keynumber: 1999SA23
Reference: Nucl.Phys. A652, 273 (1999)
Authors: M.J.Savage, K.A.Scaldeferri, M.B.Wise
Title: n + p → d + γ in Effective Field Theory

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=low; calculated σ; deduced contributions. Effective field theory.

Keynumber: 1999PA05
Reference: Nucl.Phys. A646, 83 (1999)
Authors: T.-S.Park, K.Kubodera, D.-P.Min, M.Rho
Title: The Power of Effective Field Theories in Nuclei: The deuteron, NN scattering and electroweak processes

Keyword abstract: NUCLEAR REACTIONS ^{1}H(p,e^{+}), (n,γ),E=low; calculated phase shifts,matrix elements; deduced pion role,cut-off parameter. Effective field theory.

Keynumber: **1999KO23**
Reference: Phys.Rev. C59, 3473 (1999)
Authors: Y.Ko, M.K.Cheoun, Il.-T.Cheon
Title: Importance of the Doppler Effect for the Determination of the Deuteron Binding Energy

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E not given; analyzed data; deduced Doppler effects in deuteron binding energy uncertainty.

Keynumber: 1999KE05
Reference: Phys.Lett. 255A, 221 (1999)
Authors: E.G.Kessler, Jr., M.S.Dewey, R.D.Deslattes, A.Henins, H.G.Borner, M.Jentschel, C.Doll, H.Lehmann
Title: The Deuteron Binding Energy and the Neutron Mass

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=reactor; measured Eγ,Iγ. ^{2}H deduced binding

energy. ^{1}n deduced mass. Crystal diffraction spectrometer.

Keynumber: 1999KA11
Reference: Phys.Lett. 449B, 1 (1999)
Authors: D.B.Kaplan, M.J.Savage, R.P.Springer, M.B.Wise
Title: An Effective Theory Calculation of the Parity Violating Asymmetry in n(pol) + p $\rightarrow$ d + γ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E not given; calculated parity violating asymmetry.

Keynumber: **1999CH38**
Reference: Phys.Rev. C60, 065205 (1999)
Authors: J.-W.Chen, M.J.Savage
Title: np $\rightarrow$ dγ for Big-Bang Nucleosynthesis
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E(cm) <1 MeV; ^{2}H(γ,n),E=2.6-9.0 MeV; calculated σ. Pionless nucleon-nucleon effective field theory.

Keynumber: 1999CH31
Reference: Phys.Lett. 464B, 1 (1999)
Authors: J.W.Chen, G.Rupak, M.J.Savage
Title: Isoscalar M1 and E2 Amplitudes in np $\rightarrow$ dγ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=low; calculated isoscaler M1 and E2 amplitudes.
Keyword abstract: NUCLEAR STRUCTURE ^{2}H; calculated quadrupole form factor.

Keynumber: 1999CH21
Reference: Nucl.Phys. A653, 386 (1999)
Authors: J.-W.Chen, G.Rupak, M.J.Savage
Title: Nucleon-Nucleon Effective Field Theory without Pions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=low; calculated σ,effective range parameters. Effective field theory without pions.
Keyword abstract: NUCLEAR STRUCTURE ^{2}H; calculated form factors. Effective field theory without pions.

Keynumber: **1999BU10**
Reference: Phys.Rev.Lett. 82, 4176 (1999)
Authors: S.Burles, K.M.Nollett, J.W.Truran, M.S.Turner
Title: Sharpening the Predictions of Big-Bang Nucleosynthesis
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ), ^{2}H(p,γ), (d,p), (d,n), ^{3}H(α,γ), (d,n), ^{3}He(α,γ), (d,p), (n,p), ^{7}Li(p,α), (p,n),E <2000 keV; analyzed data. ^{2}H, ^{3}, ^{4}He, ^{7}Li; deduced big-bang nucleosynthesis yields,sources of uncertainty.

Keynumber: **1998PA21**
Reference: Phys.Rev. C58, R637 (1998)
Authors: T.-S.Park, K.Kubodera, D.-P.Min, M.Rho
Title: Effective Field Theory for Low-Energy Two-Nucleon Systems
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E(cm) <220 MeV; calculated phase shift,M1 transition amplitude; deduced little cutoff dependence. Effective field theory.

Keynumber: 1998FI02
Reference: Phys.Rev. D58, 063506 (1998)
Authors: G.Fiorentini, E.Lisi, S.Sarkar, F.L.Villante
Title: Quantifying Uncertainies in Primordial Nucleosynthesis without Monte Carlo Simulations
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ), ^{2}H(p,γ), (d,n), (d,p), ^{3}H(d,n), (α,γ), ^{3}He(n,p), (d,p), (α,γ), ^{7}Li(p,α), ^{7}Be(n,p),E not given; analyzed reaction rate uncertanties; deduced uncertainties in elemental abundances from primordial nucleosynthesis. Monte Carlo calculations.

Keynumber: 1997RO26
Reference: IEEE Trans.Instrum.Meas. 46, 560 (1997)
Authors: S.Rottger, A.Paul, U.Keyser
Title: Prompt (n,γ)-Spectrometry for the Isotopic Analysis of Silicon Crystals for the Avogadro Project
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{14}N, ^{28}, ^{29}Si, ^{56}Fe, ^{27}Al, ^{63}Cu(n,γ),E=thermal; measured Eγ,Iγ.
Keyword abstract: ATOMIC MASSES ^{1}, ^{2}H, ^{14}, ^{15}N, ^{28}, ^{29}, ^{30}, ^{31}, ^{32}Si, ^{56}, ^{57}Fe; measured neutron-induced γ spectra; deduced mass differences.

Keynumber: 1997NA22
Reference: Phys.Rev. C56, 3173 (1997)
Authors: Y.Nagai, T.S.Suzuki, T.Kikuchi, T.Shima, T.Kii, H.Sato, M.Igashira
Title: Measurement of the ^{1}H(n,γ)^{2}H Reaction Cross Section at a Comparable M1/E1 Strength
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=550 keV; measured Eγ,Iγ,σ; deduced transition M1,E1 components,meson exchange currents role.

Keynumber: 1997IV02
Reference: Nucl.Phys. A617, 414 (1997); Erratum Nucl.Phys. A625, 896 (1997)
Authors: A.N.Ivanov, N.I.Troitskaya, M.Faber, H.Oberhummer
Title: On the Relativistic Field Theory Model of the Deuteron II
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=low; ^{1}H(p,X),E=low; calculated radiative capture,fusion σ respectively. Relativistic field theory model.

Keynumber: 1997CS05
Reference: Phys.Rev. C56, 631 (1997)
Authors: A.Csoto, B.F.Gibson, G.L.Payne
Title: Parity Conserving γ Asymmetry in n-p Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=cold; calculated parity conserving γ asymmetry; deduced weak pion coupling constant extraction related features.

Keynumber: 1996SC19
Reference: Acta Phys.Pol. B27, 263 (1996)
Authors: Y.Schutz, and the TAPS Collaboration
Title: Subthreshold Photons in Heavy-Ion Collisions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E not given; calculated bremsstrahlung photon production probability. Ta(^{197}Au,X),E=40 MeV/nucleon; Ni(Ni,X),E=60 MeV/nucleon; calculated two-photon correlation function. Sub-threshold bremsstrahlung photons.

Keynumber: 1996PA04
Reference: Nucl.Phys. A596, 515 (1996)

Authors: T.-S.Park, D.-P.Min, M.Rho
Title: Chiral Lagrangian Approach to Exchange Vector Currents in Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated σ. Chiral Lagrangian approach,exchange vector currents.

Keynumber: 1996NA27
Reference: Hyperfine Interactions 103, 43 (1996)
Authors: Y.Nagai, T.Shima, T.S.Suzuki, H.Sato, T.Kikuchi, T.Kii, M.Igashira, T.Ohsaki
Title: Fast Neutron Capture Reactions in Nuclear Astrophysics
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{12}C, ^{16}O(n,γ),E=10-300 keV; measured Eγ,Iγ,capture σ at some neutron energies. Implications for primordial and stellar nucleosynthesis.

Keynumber: 1996LY02
Reference: Yad.Fiz. 59, No 2, 282 (1996); Phys.Atomic Nuclei 59, 262 (1996)
Authors: V.L.Lyuboshitz, M.I.Podgoretsky
Title: Soft-Photon Bremsstrahlung in Elastic pp and np Scattering and the Problem of Dibaryon Resonances
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ), (p,γX),E ≈ resonance; calculated bremsstrahlung soft photon production σ; deduced relevance to dibaryon resonances parameter determination.

Keynumber: 1996CH43
Reference: J.Nucl.Sci.Technol.(Tokyo) 33, 654 (1996)
Authors: S.Chiba, S.-I.Morioka, T.Fukahori
Title: Evaluation of Neutron Cross Sections of Hydrogen from 20 MeV to 1 GeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,n), (n,n'), (n,γ),E=0.02-1 GeV; compiled,evaluated total,capture σ(E),σ(θ) data.

Keynumber: **1995XU03**
Reference: Phys.Rev. C52, 2859 (1995)
Authors: G.Xu, S.F.Pate, C.Bloch, S.E.Vigdor, S.M.Bowyer, T.W.Bowyer, W.W.Jacobs, H.O.Meyer, E.Pierce, J.Sowinski, C.Whiddon, S.W.Wissink, P.L.Jolivette, M.A.Pickar
Title: Radiative Capture of Polarized Neutrons by Polarized Protons at T(n) = 183 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=183 MeV; measured σ(θ),proton-,neutron analyzing powers,normal-component spin correlation coefficent. Polarized target.

Keynumber: 1995WO05
Reference: Nucl.Instrum.Methods Phys.Res. B99, 757 (1995)
Authors: P.C.Womble, F.J.Schultz, G.Vourvopoulos
Title: Non-Destructive Characterization using Pulsed Fast-Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{1}H,N,Cl,S,Ca(n,γ),C,O,Ba(n,n'γ),E=14.7 MeV; measured γ spectra. Pulsed fast thermal neutrons,application to nondestructive chemical elements identificaion.

Keynumber: 1995SU10
Reference: Astrophys.J. 439, L59 (1995)
Authors: T.S.Suzuki, Y.Nagai, T.Shima, T.Kikuchi, H.Sato, T.Kii, M.Igashira
Title: First Measurement of a p(n,γ)d Reaction Cross Section between 10 and 80 keV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=10-80 keV; measured Eγ,Iγ; deduced σ

(E),primordial light elements abundances implications.

Keynumber: 1995PA38
Reference: Phys.Rev.Lett. 74, 4153 (1995)
Authors: T.-S.Park, D.-P.Min, M.Rho
Title: Radiative Neutron-Proton Capture in Effective Chiral Lagrangians
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated total capture σ(E). Chiral perturbation theory.

Keynumber: 1995BR14
Reference: Phys.Lett. 349B, 272 (1995)
Authors: F.P.Brady, J.L.Romero, D.R.Mayo, J.E.Koster, R.O.Nelson, S.A.Wender
Title: ' Photon Spectrum of the Neutron-Proton Bremsstrahlung at 170 MeV ': Contributions of np → dγ to inclusive photon energy spectra from np and pd collisions near 200 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=170 MeV; ^{2}H(p,γ),E=195,200 MeV; analyzed σ(θ,Eγ) data; deduced capture process role in reaction,implications to free np bremsstrahlung.

Keynumber: 1995BR12
Reference: Phys.Lett. 348B, 283 (1995)
Authors: E.L.Bratkovskaya, O.V.Teryaev, V.D.Toneev
Title: Anisotropy of Dilepton Emission from Nuclear Collisions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ), (p,γ),E not given; calculated dilepton production related anisotropy coefficient M dependence. Other dilepton sources studied.

Keynumber: 1994TU03
Reference: Nucl.Phys. A580, 253 (1994)
Authors: M.Tuccillo, D.Fritschi, J.Gotz, R.Henneck, J.Jourdan, G.Masson, H.Muhry, L.M.Qin, S.Robinson, P.Steiner, I.Sick, P.Trueb, B.Zihlmann
Title: Measurement of the Analyzing Power A(y) in Neutron-Proton Radiative Capture at E(n) = 68 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=67.7 MeV; measured analyzing power A(y) vs θ. Polarized neutrons,BC400 target.

Keynumber: 1994SE17
Reference: Nucl.Instrum.Methods Phys.Res. A339, 556 (1994)
Authors: K.Senoo, Y.Nagai, T.Shima, T.Ohsaki, M.Igashira
Title: A Monte Carlo Code for Multiple Neutron Scattering Events in a Thick Sample for (n,γ) Experiments
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=10-80 keV; measured γ yields; deduced multiple scattering events correction role. Time-introduced Monte Carlo estimation code.

Keynumber: 1994RU08
Reference: Nucl.Phys. A575, 449 (1994)
Authors: G.Russo
Title: Classical Photon Production in Neutron-Proton Collisions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=100-400 MeV; calculated σ(θγ,Eγ) bremsstrahlung,σ(E). ^{2}H(p,γ),E=200 MeV; calculated σ(θγ,Eγ) bremsstrahlung. Classical approach.

Keynumber: 1994KR20

Reference: Fiz.Elem.Chastits At.Yadra 25, 1444 (1994); Sov.J.Part.Nucl 25, 612 (1994)
Authors: P.A.Krupchitsky
Title: Parity Violation in Nuclear Reactions with Polarized Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{2}, ^{1}H, ^{35}Cl, ^{57}Fe, ^{79}, ^{81}Br, ^{111}, ^{113}Cd, ^{117}Sn, ^{139}La, ^{207}Pb(polarized n,γ),E=thermal,resonance; compiled,reviewed parity violation data,analyses; deduced dominant mechanism.

Keynumber: 1994KI27
Reference: Nucl.Instrum.Methods Phys.Res. A353, 285 (1994)
Authors: T.Kishikawa, K.Nishimura, S.Noguchi
Title: Gamma-Ray Spectrometry with a Ge Detector: An importance of instrument function on a new energy calibration method
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{1}H(n,γ),E=thermal; analyzed γ-spectra analysis associated reference index; deduced methodological devation related features for peak position approach to detector energy calibration.
Keyword abstract: ATOMIC PHYSICS,Mesic-Atoms Ca,Ba,Sn,Tl,Pb,Ba,Ce(μ^-,X),E at rest; analyzed X-ray spectra analysis associated reference index; deduced methodological devation related features for peak position approach to detector energy calibration.

Keynumber: **1993PA08**
Reference: Phys.Rev.Lett. 70, 3205 (1993)
Authors: S.F.Pate, C.Bloch, G.Xu, S.M.Bowyer, T.W.Bowyer, W.W.Jacobs, H.-O.Meyer, E.Pierce, J.Sowinski, S.E.Vigdor, C.Whiddon, S.W.Wissink, P.L.Jolivette, M.A.Pickar
Title: Spin Correlation and Analyzing Power Measurements for Neutron-Proton Radiative Capture at T (n) = 183 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=183 MeV; measured spin correlation coefficient,analyzing power vs θ; deduced mesonic,isobaric current role. Polarized target.

Keynumber: 1993KO53
Reference: Nucl.Instrum.Methods Phys.Res. B79, 297 (1993)
Authors: J.E.Koster, R.O.Nelson, M.E.Schillaci, S.A.Wender, D.Mayo, F.P.Brady, J.Romero, D.Krofcheck, M.Blann, P.Anthony, V.R.Brown, L.Hansen, B.Pohl, T.C.Sangster, H.Nifenecker, J.A.Pinston
Title: Neutron-Proton Bremsstrahlung Experiments
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=138-401 MeV; measured γ rays. Tof techniques.

Keynumber: 1993KO20
Reference: J.Phys.(London) G19, 921 (1993)
Authors: V.B.Kopeliovich
Title: On Relativistic Effects in Parity-Violating np $\rightarrow$ dγ Amplitude
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E not given; calculated parity violating amplitude. Relativistic effects.

Keynumber: 1993HA40
Reference: Nucl.Instrum.Methods Phys.Res. B83, 557 (1993)
Authors: O.K.Harling, J.-M.Chabeuf, F.Lambert, G.Yasuda
Title: A Prompt Gamma Neutron Activation Analysis Facility using a Diffracted Beam
Keyword abstract: NUCLEAR REACTIONS ^{1}H,B,Gd,Cd, ^{59}Co,Sm,Cl,In(n,γ),E=0.0143 eV;

measured Eγ; deduced diffracted beam facility detection sensitivities. Multi-layered graphite monochromator beam diffractor,prompt γ neutron activation analysis facility.

Keynumber: 1993GO26
Reference: Few-Body Systems 14, 91 (1993)
Authors: J.J.Godina, J.L.Lucio
Title: Neutron-Proton Bremsstrahlung at E = 76 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E not given; calculated electric,magnetic contributions to bremsstrahlung σ vs nucleon momentum.

Keynumber: 1993AL14
Reference: Phys.Lett. 314B, 173 (1993)
Authors: M.S.Allie, F.D.Brooks, D.G.Aschman, A.Buffler, W.A.Cilliers, R.W.Fearick, C.G.L.Henderson, M.J.Oliver, M.R.Nchodu, S.M.Perez, D.Steyn, W.R.McMurray, B.R.S.Simpson, F.D.Smit, H.G.Miller, K.Bharuth-Ram, I.J.van Heerden
Title: Differential Cross Section for n-p Radiative Capture at E(n) = 63.4 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=63.4 MeV; measured Iγ(θ); deduced σ(θ) for ^{2}H(γ,p),E ≈ 34 MeV. Legendre polymonial fits.

Keynumber: 1992ED02
Reference: Nucl.Phys. A543, 685 (1992)
Authors: G.W.R.Edwards, R.Abegg, M.Ahmad, J.M.Cameron, G.H.Coombes, N.Davison, H.Fielding, P.Green, L.G.Greeniaus, I.J.van Heerden, R.Henderson, D.A.Hutcheon, W.Kellner, C.Lapointe, C.A.Miller, G.A.Moss, N.L.Rodning, G.Salomons, J.Soukup, B.Ziegler
Title: Forward p(n,d)γ Cross Sections Above the Pion Production Threshold
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=360-460 MeV; measured σ(θ). Model comparison.

Keynumber: 1992BAZP
Reference: Leningrad Nucl.Phys.Inst., 1990-1991 Ann.Rept., p.35 (1992)
Authors: A.N.Bazhenov, L.A.Grigoreva, V.V.Ivanov, E.A.Kolomensky, V.M.Lobashev, V.A.Nazarenko, A.N.Pirozhkov, Yu.V.Sobolev
Title: Circular Polarization of γ-Quanta from np → dγ Reaction with Polarized Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E not given; measured γ CP.

Keynumber: 1992BA43
Reference: Phys.Lett. 289B, 17 (1992)
Authors: A.N.Bazhenov, L.A.Grigoreva, V.V.Ivanov, E.A.Kolomensky, V.M.Lobashev, V.A.Nazarenko, A.N.Pirozhkov, Yu.V.Sobolev
Title: Circular Polarization of γ-Quanta in np → dγ Reactions with Polarized Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=cold neutron source; measured γ CP. High purity solid parahydrogen target,magnetic transmission polarimeters.

Keynumber: 1991FI07
Reference: Nucl.Phys. A530, 331 (1991)
Authors: G.Fink, P.Doll, S.Hauber, M.Haupenthal, H.O.Klages, H.Schieler, F.Smend, G.D.Wicke
Title: Neutron-Proton Capture Using Polarized Neutrons from 19 to 50 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=19-50 MeV; measured σ (θ),analyzing power vs θ. NE213 target.

Keynumber: 1990MO37
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 54, 907 (1990); Bull.Acad.Sci.USSR, Phys.Ser. 54, No.5, 91 (1990)
Authors: A.N.Moskalev, S.G.Porsev
Title: T-Odd (P-Even) Interaction between Nucleons in the np → dγ Reaction
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=low; calculated γ CP; deduced T-odd (P-even) nucleon-nucleon interaction features.

Keynumber: 1990MO14
Reference: J.Phys.(London) G16, 943 (1990)
Authors: S.Morioka
Title: Relativistic Effects on Parity-Violating Phenomena in the Low-Energy np → dγ Process
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=low; calculated γ CP,asymmetry. Lorentz,gauge-invariant formalism.

Keynumber: 1990BU20
Reference: Nucl.Phys. A515, 139 (1990)
Authors: A.P.Burichenko, I.B.Khriplovich
Title: Circular Polarization of γ-Quanta in the Reaction np → dγ with Polarized Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated γ CP.

Keynumber: 1990BLZX
Reference: Bull.Am.Phys.Soc. 35, No.8, 1658, BD 2 (1990)
Authors: C.Bloch, S.F.Pate, S.E.Vigdor, J.Sowinski, S.W.Wissink, H.O.Meyer, W.W.Jacobs, S.M.Bowyer, T.W.Bowyer, E.Pierce, C.Whiddon, G.Xu, M.A.Pickar, P.L.Jolivette
Title: Report on Measurement of C(NN) and A(y) for p(pol)(n(pol),d)γ at T(n) = 183 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=183 MeV; measured dγ-coin,polarization observables.

Keynumber: 1989WAZM
Reference: Contrib.12th Int.Conf. on Few Body Problems in Physics, Vancouver, B.C., Canada, July 2-8, 1989, B.K.Jennings, Ed., p.C17 (1989); TRI-89-2 (1989)
Authors: P.Wauters, C.Dupont, P.Leleux, P.Lipnik, P.Macq, A.Ninane, S.Wa Kitwanga
Title: Total Cross Section for Neutron-Proton Capture at 39,61 and 76 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=39,61,76 MeV; measured capture σ; deduced photodisintegration σ.

Keynumber: 1989SUZQ
Reference: RCNP (Osaka), Ann.Rept., 1988, p.61 (1989)
Authors: T.Suda, K.Maeda, K.Takahisa, H.Sakai, N.Matsuoka, M.Yosoi, K.Tamura, H.Okamura,
Title: Measurement of the Analyzing Power for the p(n(pol),γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=20-50 MeV; measured A(y)(θ).

Keynumber: **1989NA04**
Reference: Phys.Rev. C39, 1475 (1989)
Authors: K.Nakayama
Title: High-Energy Photons in Neutron-Proton and Proton-Nucleus Collisions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=200,150 MeV; ^{9}Be(p,γ),E=140 MeV;

calculated bremsstrahlung $\sigma(\theta(\gamma),E(\gamma))$.

Keynumber: 1989MI09
Reference: J.Phys.(London) G15, 1025 (1989)
Authors: P.Michel, K.Moeller, J.Moesner, G.Schmidt
Title: Measurement of the Capture Reaction H(n,d)γ at 25.6 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=25.6 MeV; measured Eγ,$\sigma(\theta=0^{0})$; deduced σ.

Keynumber: 1989GRZR
Reference: Contrib.12th Int.Conf. on Few Body Problems in Physics, Vancouver, B.C., Canada, July 2-8, 1989, B.K.Jennings, Ed., p.H6 (1989); TRI-89-2 (1989)
Authors: I.L.Grach, M.Shmatikov
Title: Properties of the Six-Quark Bag following from the Data on the Capture of the Polarized Thermal Neutrons by Protons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated γ CP. Six-quark bag model.

Keynumber: 1989DOZW
Reference: Contrib.12th Int.Conf. on Few Body Problems in Physics, Vancouver, B.C., Canada, July 2-8, 1989, B.K.Jennings, Ed., p.C6 (1989); TRI-89-2 (1989)
Authors: P.Doll, G.Fink, S.Hauber, M.Haupenthal, H.O.Klages, H.Schieler, F.Smend, G.Wicke
Title: Preliminary Results on the H(n(pol),γ)^{2}H Capture Experiment
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=18-50 MeV; measured analyzing power ($\theta=90^{0}$); deduced inverse reaction neutron polarization vs Eγ.

Keynumber: 1989ABZZ
Reference: Bull.Am.Phys.Soc. 34, No.4, 1139, A7 6 (1989)
Authors: K.Abrahams
Title: Neutron Capture and Exchange Currents
Keyword abstract: NUCLEAR REACTIONS ^{1}, ^{2}H, ^{3}He(n,γ),E=thermal; calculated radiative capture σ; deduced single photon ^{3}He(n,γ) σ.

Keynumber: 1988JA03
Reference: Nucl.Phys. A480, 573 (1988)
Authors: W.Jaus, W.S.Woolcock
Title: Spin Correlation Coefficients for Neutron-Proton Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E not given; calculated spin correlation coefficient,polarization observables. Deuteron photodisintegration model,polarized target.

Keynumber: 1988DU08
Reference: Nucl.Phys. A481, 424 (1988)
Authors: C.Dupont, C.Deom, P.Leleux, P.Lipnik, P.Macq, A.Ninane, J.Pestieau, S.Wa Kitwanga, P.Wauters
Title: The Hard Neutron-Proton Bremsstrahlung at 76 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=76.5 MeV; measured bremsstrahlung $\sigma(\theta,E)$; calculated $\sigma(\theta,E)$.

Keynumber: **1988DO15**
Reference: Phys.Rev. D38, 2722 (1988)

Authors: J.Dohner, J.Last, M.Arnold, S.J.Freedom, D.Dubbers
Title: Pair Decay of the 2.2-MeV Excited State of the Deuteron: Limits on light-particle emission
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=cold neutron; measured pair spectra features; deduced ^{2}H level Γ(pair)/Γγ.

Keynumber: 1988AL29
Reference: Can.J.Phys. 66, 542 (1988)
Authors: J.Alberi, R.Hart, E.Jeenicke, R.Ost, R.Wilson, I.G.Schroder, M.Avenier, G.Bagieu, H.Benkoula, J.F.Cavaignac, A.Idrissi, D.H.Koang, B.Vignon
Title: Studies of Parity Violation using Polarized Slow Neutron Beams
Keyword abstract: NUCLEAR REACTIONS ^{2}, ^{1}H(polarized n,γ),E=slow; compiled asymmetry data; deduced parity violation information.

Keynumber: **1987SO06**
Reference: Phys.Rev. C35, 1246 (1987)
Authors: J.P.Soderstrum, L.D.Knutson
Title: Measurement of the Analyzing Power for n-p Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=6,13.43 MeV; measured capture Eγ,Iγ,analyzing power vs θ.

Keynumber: **1987RE03**
Reference: Phys.Rev. C35, 1720 (1987)
Authors: B.A.Remington, M.Blann, G.F.Bertsch
Title: n-p Bremsstrahlung Interpretation of High Energy Gamma Rays from Heavy-Ion Collisions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=130,208 MeV; calculated σ(θn,θp). ^{1}H (p,γ),E=140 MeV; ^{2}H(p,γ),E=197 MeV; calculated σ. ^{2}H,C,Pb(p,γ),E=140 MeV; ^{12}C,Pb(^{14}N,γX), ^{197}Au(^{40}Ar,γX), ^{12}C,Ag(^{86}Kr,γX),E=20-44 MeV/nucleon; ^{12}C(^{12}C,γX),E=48,84 MeV/nucleon; calculated σ(Eγ,θγ),σ. ^{208}Pb(^{14}N,γX),E=30 MeV/nucleon; calculated γ-ray number vs time. Incoherent pnγ bremsstrahlung mechanism.

Keynumber: **1987NI01**
Reference: Phys.Rev. C35, 402 (1987)
Authors: A.Ninane, C.Dupont, P.Leleux, P.Lipnik, P.Macq
Title: Neutron-Proton Capture at Extreme Angles at E(n) = 61 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=61 MeV; measured σ(θ),θ=0^{0},180^{0}. Liquid hydrogen target.

Keynumber: 1987NE02
Reference: Nucl.Phys. A462, 163 (1987)
Authors: D.Neuhauser, S.E.Koonin
Title: Bremsstrahlung in Heavy Ion Collisions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=50,200 MeV; calculated σ (Eγ),quantal,classical emission rates,ratios; U(C,γ),E=84 MeV/nucleon; calculated σ(Eγ,θγ). Simplified fireball model.

Keynumber: 1987HU10
Reference: Nucl.Phys. A472, 701 (1987)
Authors: M.Hugi, J.M.Cameron, M.Ahmad, J.Collot, G.Gaillard, J.S.Wesick, G.W.R.Edwards,

H.Fielding, D.A.Hutcheon, R.Abegg, C.A.Miller, P.Kitching, N.E.Davison, N.R.Stevenson, I.J.van Heerden
Title: Radiative Capture of Polarized Neutrons above Pion Production Threshold
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=370,478 MeV; measured σ(θ),A(θ).

Keynumber: 1987GR14
Reference: Yad.Fiz. 45, 933 (1987)
Authors: I.L.Grach, M.Zh.Shmatikov
Title: Properties of Six-Quark Bag following from the Data on the Capture of Polarized Thermal Neutrons by Protons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated γ CP. Six quark bag.

Keynumber: 1987AHZY
Reference: Bull.Am.Phys.Soc. 32, No.4, 1057, EE2 (1987)
Authors: M.Ahmad, R.Abegg, J.M.Cameron, J.Collot, C.A.Davis, G.W.Edwards, H.W.Fielding, G.Gaillard, M.Hugi, D.A.Hutcheon, P.Kitching, C.A.Miller, J.Pasos, J.Soukup, J.Uegaki, J.Wesick, H.S.Wilson, N.E.Davison, W.D.Ramsay, F.Tervisidis, A.W.Stetz, Y.M.Shin, N.R.Stevenson, M.Abdel-Monem, M.H.Hindi, A.H.Hussein, I.J.van Heerden
Title: Experimental Study of n(pol)p → dγ Reaction Above Pion Production Threshold
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=370,478 MeV; measured σ (θ),analyzing power; deduced meson exchange current,isobar excitation roles.

Keynumber: **1986TH02**
Reference: Phys.Rev. C33, 1830 (1986)
Authors: A.E.Thorlacius, H.W.Fearing
Title: Phenomenological Fit to Deuteron Photodisintegration Data in the Medium Energy Region
Keyword abstract: NUCLEAR REACTIONS ^{2}H(γ,p), ^{1}H(n,γ),E <1 GeV; compiled,analyzed σ data; deduced angular,energy dependent parameters.

Keynumber: 1986ST14
Reference: Ann.Phys.(Leipzig) 43, 602 (1986)
Authors: T.Stiehler, J.Mosner, G.Schmidt, K.Moller, W.Neubert, W.Pilz, B.Kuhn, J.Hutsch
Title: The Total n-p Capture Cross Section Measured at E(n) = 25 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=25 MeV; measured total capture σ. Gas target,multi-wire proportional counters.

Keynumber: 1986MO17
Reference: Nucl.Phys. A457, 518 (1986)
Authors: S.Morioka, P.Grange, Y.Avishai
Title: Parity Violating Observables in n + p → d + γ with a Realistic Weak Model and the Paris NN Potential
Keyword abstract: NUCLEAR STRUCTURE ^{2}H; calculated $^{3}P_{1}$ wave function component. Desplanques-Donoghue-Holstein weak interaction model,strong nucleon-nucleon interaction.
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated γ CP,assymmetry; deduced parity violation effects. Desplanques-Donoghue-Holstein weak interaction model,strong nucleon-nucleon interaction.

Keynumber: 1986LEZR

Reference: Proc.Inter.Conf.on Fast Neutron Physics, Dubrovnik, Yugoslavia, May 26-31, 1986, D.Miljanic, B.Antolkovic, G.Paic, Eds., Ruder Boskovic Institute, Zagreb, p.160 (1986)
Authors: P.Leleux
Title: Recent Measurements of the n-p Capture Cross Section
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=61 MeV; measured σ(θ).

Keynumber: **1986GR01**
Reference: Phys.Rev.Lett. 56, 819 (1986)
Authors: G.L.Greene, E.G.Kessler,Jr., R.D.Deslattes, H.Borner
Title: New Determination of the Deuteron Binding Energy and the Neutron Mass
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured capture γ spectra; deduced neutron mass,n-hydrogen mass difference. ^{1}n, ^{1}H deduced mass difference. ^{2}H deduced binding energy. Two-Axis flat crystal transmission instrument,absolute wavelength determination.

Keynumber: 1986CA21
Reference: Nucl.Phys. A458, 637 (1986)
Authors: J.M.Cameron, C.A.Davis, H.Fielding, P.Kitching, J.Pasos, J.Soukup, J.Uegaki, J.Wesick, H.S.Wilson, R.Abegg, D.A.Hutcheon, C.A.Miller, A.W.Stetz, I.J.Van Heerden
Title: Radiative Capture of Polarized Neutrons by Hydrogen below the Pion Production Threshold
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=180,270 MeV; measured σ(θ),A(θ).

Keynumber: 1985ST04
Reference: Phys.Lett. 151B, 185 (1985)
Authors: T.Stiehler, B.Kuhn, K.Moller, J.Mosner, W.Neubert, W.Pilz, G.Schmidt
Title: A Measurement of the Total Cross Section of the Reaction n + p → d + γ at E(n) = 25 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=25 MeV; measured capture σ. Gas target,scintillation telescope.

Keynumber: 1985SOZZ
Reference: Diss.Abst.Int. 45B, 3543 (1985)
Authors: J.P.Soderstrum
Title: The Neutron-Proton Radiative Capture Analyzing Power
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=6,13.43 MeV; measured γ analyzing power.

Keynumber: **1985ME03**
Reference: Phys.Rev. C31, 309 (1985)
Authors: H.O.Meyer, J.R.Hall, M.Hugi, H.J.Karwowski, R.E.Pollock, P.Schwandt
Title: Neutron-Proton Radiative Capture Cross Section at T(n) = 185 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=185 MeV; measured recoil σ(θd),θ=0^{0}-65^{0}; deduced charge density,relativistic corrections role.

Keynumber: 1985CA42
Reference: Nucl.Phys. A446, 351c (1985)
Authors: J.M.Cameron
Title: Radiative Capture of Polarized Nucleons at Intermediate Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=180-480 MeV; ^{2}H(polarized p,γ),E=200,500 MeV; ^{3}H(polarized p,γ),E(cm)=225 MeV; compiled analyzing power vs θ; deduced rescattering effects,D-state component,meson exchange,isobar current roles.

Keynumber: 1984NI13
Reference: Can.J.Phys. 62, 1104 (1984)
Authors: A.Ninane, C.Dupont, P.Leleux, P.Lipnik, P.Macq
Title: A Measurement of the Neutron-Proton Capture Differential Cross Section at Extreme Center-of-Mass Angles at E(n) = 61 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=61 MeV; measured deuteron production σ(θ),forward,backward σ(θd)/σ(θp).

Keynumber: 1984NI06
Reference: Phys.Lett. 141B, 170 (1984)
Authors: G.Nicklas, J.Franz, E.Rossle, H.Schmitt
Title: Neutron-Proton Radiative Capture at Medium Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=190-590 MeV; measured capture σ(θ) vs E; deduced deuteron photodisintegration σ(θ).

Keynumber: 1984MC08
Reference: Phys.Lett. 138B, 6 (1984)
Authors: B.H.J.McKellar
Title: On Parity Violation in the Nucleon Wavefunction
Keyword abstract: NUCLEAR STRUCTURE ^{19}, ^{18}F, ^{21}Ne; analyzed data; deduced weak coupling constant,nucleon wave function parity violation implication.
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E not given; calculated γ asymmetry limit; deduced parity violation nucleon-nucleon interaction limitations.

Keynumber: 1984LO11
Reference: J.Phys.(Paris), Colloq.C3, 103 (1984)
Authors: V.M.Lobashov, V.A.Nazarenko
Title: Parity Non-Conserving Effects in nγ-Reactions
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=low; analyzed data; deduced γ CP.

Keynumber: 1984KNZU
Reference: Program and Theses, Proc.34th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Alma-Ata, p.268 (1984)
Authors: V.A.Knyazkov, E.A.Kolomensky, V.M.Lobashev, V.A.Nazarenko, A.N.Pirozhkov, Yu.V.Sobolev, A.I.Shably, E.V.Shulgina
Title:
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured γ CP; deduced parity violating effect.

Keynumber: 1984KN01
Reference: Nucl.Phys. A417, 209 (1984)
Authors: V.A.Knyazkov, E.A.Kolomensky, V.M.Lobashov, V.A.Nazarenko, A.N.Pirozhkov, A.I.Shably, E.V.Shulgina, Y.V.Sobolev, A.I.Yegorov
Title: A New Experimental Study of the Circular Polarization of np Capture γ-Rays
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured γ CP.

Keynumber: 1984GR35
Reference: Yad.Fiz. 40, 440 (1984); Sov.J.Nucl.Phys. 40, 280 (1984)

Authors: I.L.Grach, M.Zh.Shmatikov
Title: Circular Polarization of Photons Emitted in the Capture of Polarized Neutrons by Protons, and the Quark Composite Bag Model
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated γ CP; deduced nucleon M1,E2 contributions. ^{2}H deduced quark admixture upper limit. Composite bag model.

Keynumber: 1984AV09
Reference: J.Phys.(London) G10, L263 (1984)
Authors: Y.Avishai, P.Grange
Title: Parity Violation in Threshold Neutron-Proton Scattering
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,n), (polarized n,γ),E ≈ threshold; calculated neutron spin rotation angle,σ asymmetry; deduced small parity violation effect.

Keynumber: 1984AV04
Reference: J.Phys.(Paris), Colloq.C3, 99 (1984)
Authors: M.Avenier, G.Bagieu, J.F.Cavaignac, D.H.Koang, A.Idrissi, B.Vignon, R.Wilson
Title: Study of the Neutron-Proton Weak Interaction at the ILL Reactor
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{117}Sn, ^{35}Cl(polarized n,γ),E=low; measured γ-asymmetry.

Keynumber: 1983SOZT
Reference: Bull.Am.Phys.Soc. 28, No.7, 988, DB4 (1983)
Authors: J.P.Soderstrum, L.D.Knutson
Title: Measurement of the Analyzing Power for ^{1}H(n(pol),γ)^{2}H at E_n = 6.0 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=6 MeV; measured analyzing power vs θ; deduced meson exchange effects role. Impulse approximation data.

Keynumber: 1983MC01
Reference: J.Phys.(London) G9, 275 (1983)
Authors: A.McKerrell, J.P.McTavish, M.W.Kermode, R.Huby
Title: The S-Wave Component of the Deuteron Wavefunction
Keyword abstract: NUCLEAR STRUCTURE ^{2}H; calculated electric form factor. Unitarily transformed deuteron wave function,S-wave node.
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated σ(capture). ^{2}H(γ,p),E ≈ 5-100 MeV; calculated photodisintegration σ(E). Unitarily transformed deuteron wave function,S-wave node.

Keynumber: 1983KN09
Reference: Pisma Zh.Eksp.Teor.Fiz. 38, 138 (1983); JETP Lett.(USSR) 38, 163 (1983)
Authors: V.A.Knyazkov, E.A.Kolomensky, V.M.Lobashev, V.A.Nazarenko, A.N.Pirozhkov, Yu.V.Sobolev, A.I.Shably, E.V.Shulgina
Title: New Measurement of the Circular Polarization of γ Rays in the Reaction np → dγ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured radiative capture γ CP upper limit.

Keynumber: 1983GRZU
Reference: ITEP-115 (1983)
Authors: I.L.Grach, M.Zh.Shmatikov

Title: Circular Polarization of γ-Quanta Radiated in the Capture of Polarized Neutrons by Protons and the Quark Compound Bag Model

Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated γ CP; deduced M1,E2 contributions. Quark compound bag model.

Keynumber: 1983GR09
Reference: J.Phys.(London) G9, 643 (1983)
Authors: J.M.Greben, R.M.Woloshyn
Title: Low-Energy n-p Capture as a Probe of Two-Nucleon Dynamics

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=200 MeV; calculated σ(θ). ^{1}H(polarized n,γ),E=160,200,240 MeV; calculated neutron analyzing power,γ linear polarization vs θ. ^{1}H(n,γ),E=120-240 MeV; calculated σ(E). ^{2}H(e,e),E not given; calculated electric form factor. Nonrelativistic potentials,transformed,untransformed Reid soft-core deuteron wave functions.

Keynumber: 1983ADZU
Reference: Program and Theses, Proc.33nd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Moscow, p.51 (1983)
Authors: I.Adam, V.Gnatovich, A.Kugler
Title:

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=Pu-Be source; measured Eγ. ^{2}H deduced binding energy.

Keynumber: 1983AD05
Reference: Czech.J.Phys. B33, 465 (1983)
Authors: J.Adam, V.Hnatowicz, A.Kugler
Title: Determination of the Deuteron Binding Energy

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=Po-Be source; measured Eγ. ^{2}H deduced binding energy. Precise energy calibration.

Keynumber: 1982VYZZ
Reference: JINR-P6-82-108 (1982)
Authors: Ts.Vylov, V.M.Gorozhankin, K.Ya.Gromov, A.I.Ivanov, I.F.Uchevatkin, V.G.Chumin
Title: On Redetermination of Deuteron Binding Energy

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; analyzed data. ^{2}H deduced binding energy. ^{1}n deduced improved mass,relative error.

Keynumber: 1982VA13
Reference: Nucl.Phys. A380, 261 (1982)
Authors: C.Van Der Leun, C.Alderliesten
Title: The Deuteron Binding Energy

Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured Eγ; deduced neutron,proton atomic mass difference,Q-values for ^{1}H(n,γ), ^{2}H(n,γ), ^{12}C(n,γ), ^{13}C(n,γ) and ^{14}N(n,γ) reactions. ^{2}H deduced binding energy. Gold, ^{48}V, ^{144}Ce standards.

Keynumber: 1982HS01
Reference: Nucl.Instrum.Methods 193, 383 (1982)
Authors: H.-H.Hsu
Title: The 870.8 keV Gamma Ray from PuO_2

Keyword abstract: NUCLEAR REACTIONS ^{17}, ^{18}O(n,n'γ), ^{1}H(n,γ),E=fission spectrum; measured Eγ,Iγ; deduced average σ. Isotopically enriched water, ^{252}Cf fission neutron source. ^{17}, ^{18}O (α,α'γ),E=5.486 MeV; measured Eγ,Iγ; deduced γ-production yields. Isotopically enriched water, ^{241}Am source.

Keynumber: 1981VE01
Reference: Nucl.Phys. A352, 181 (1981)
Authors: V.A.Vesna, E.A.Kolomensky, V.B.Kopeliovich, V.M.Lobashev, V.A.Nazarenko, A.N.Pirozhkov, E.V.Shulgina
Title: Circular Polarization of Gamma Quanta in the Radiative Capture of Polarized Thermal Neutrons by Protons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; measured CP for γ-rays. ^{2}H deduced triplet admixture in capturing state. Solid parahydrogen target.

Keynumber: 1981SH25
Reference: Fiz.Elem.Chastits At.Yadra 12, 962 (1981); Sov.J.Part.Nucl. 12, 386 (1981)
Authors: E.I.Sharapov
Title: Radiative Capture of Neutrons by the Lightest Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{1}, ^{2}H, ^{3}He(n,γ),E=thermal; analyzed σ(capture) data; deduced meson exchange,two-photon capture,wave function symmetry rule selection effects.

Keynumber: 1981GI09
Reference: Phys.Rev.Lett. 47, 304 (1981)
Authors: J.F.Gilot, A.Bol, P.Leleux, P.Lipnik, P.Macq
Title: Foward- and Backward-Angle Differential Cross Section for Neutron-Proton Capture at 72 MeV
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,n), (n,γ),E=72 MeV; measured σ(θ); deduced σ (photodisintegration) of deuteron. Liquid hydrogen target.

Keynumber: 1981CA04
Reference: Nucl.Phys. A356, 469 (1981)
Authors: A.Cambi, B.Mosconi, P.Ricci
Title: Two-Body Modifications of the Siegert Dipole Operator and Doubly Radiative n - p Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated σ(two-photon). Siegert dipole operator,one pion exchange effects.

Keynumber: 1980VEZT
Coden: CONF Kiev(Neutron Physics) Proc,Part1,P49,Vesna
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; measured γ CP. ^{2}H deduced triplet admixture in capturing state. Solid parahydrogen target.

Keynumber: 1980IS02
Reference: Can.J.Phys. 58, 168 (1980)
Authors: M.A.Islam, T.J.Kennett, S.A.Kerr, W.V.Prestwich
Title: A Self-Consistent Set of Neutron Separation Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{9}Be, ^{14}N, ^{24}, ^{25}Mg, ^{27}Al, ^{28}, ^{29}Si, ^{32}S, ^{35}Cl, ^{40}, ^{44}Ca, ^{47}, ^{48}, ^{49}Ti, ^{50}, ^{52}, ^{53}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}Fe(n,γ),E=thermal; measured Eγ,Iγ. ^{2}H, ^{10}Be, ^{25}, ^{26}Mg, ^{28}Al, ^{29}, ^{30}Si, ^{33}S, ^{36}Cl, ^{41}, ^{45}Ca, ^{48}, ^{49}, ^{50}Ti, ^{51}, ^{53}, ^{54}Cr, ^{56}Mn, ^{55}, ^{57}, ^{58}Fe deduced Q,neutron binding energy.

Keynumber: 1980GR02
Reference: Phys.Rev. C21, 498 (1980)
Authors: R.C.Greenwood, R.E.Chrien
Title: Neutron Mass: Measurement of the $^{1}H(n,\gamma)^{2}H$ γ Ray and Revised Values For Selected Neutron Binding Energies
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=th; measured Eγ; deduced Q,neutron mass. ^{2}, ^{3}H, ^{13}, ^{14}C, ^{15}N deduced neutron binding energy.

Keynumber: 1980DUZV
Coden: REPT JINR-E2-80-555,Dubovik
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=thermal; calculated γ CP,parity violating amplitude. Quark-nucleus approach.

Keynumber: 1980CA10
Reference: Phys.Rev. C21, 1921 (1980)
Authors: A.Cambi, B.Mosconi, P.Ricci
Title: Consistency between Pion Exchange Currents and N-N Potential in Double Radiative n-p Capture
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=thermal; calculated two-photon production σ. Reid soft-core potential,meson exchange currents.

Keynumber: 1979WHZW
Coden: REPT SUNI-61,P18,Whittaker
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=4.8 MeV; measured bremsstrahlung $\sigma(\theta n,\theta p)$.

Keynumber: 1979OH01
Reference: Prog.Theor.Phys. 61, 1263 (1979)
Authors: K.Ohya
Title: Strength of Parity-Violating Nucleon-Pion Interactions
Keyword abstract: RADIOACTIVITY ^{18}F; calculated γ-CP; deduced strength of parity-violating nucleon-nucleon-π interaction. vector ρ-meson pole dominance assumption.
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=thermal; calculated asymmetry Aγ.

Keynumber: 1979LO15
Reference: Pisma Zh.Eksp.Teor.Fiz. 29, 517 (1979); JETP Lett. 29, 471 (1979)
Authors: G.A.Lobov
Title: Weak Interaction of Nucleons and the Process $n + p \rightarrow d + \gamma$
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$, ^{1}H(polarized n,γ),E=thermal; calculated γ-CP,Iγ (θ). Weinberg-Salam model.

Keynumber: 1979EAZZ
Coden: REPT NEANDC(CAN)-51/L,P1,Earle
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=thermal; measured $\gamma\gamma$-coin; deduced upper limit for 2-photon production σ.

Keynumber: 1979EAZY
Reference: Proc.Intern.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 3rd, BNL, Upton, NY (1978), R.E.Chrien, W.R.Kane, Eds., Plenum Press, New York, p.609 (1979)

Authors: E.D.Earle, A.B.McDonald
Title: Upper Limit for the $^{1}H(n,\gamma\gamma)^{2}H$ Cross Section
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma\gamma)$,E not given; measured $\gamma\gamma$-coin,σ upper limit.

Keynumber: 1979BO05
Reference: Phys.Lett. 82B, 212 (1979)
Authors: M.Bosman, A.Bol, J.F.Gilot, P.Leleux, P.Lipnik, P.Macq
Title: Measurement of the Total Cross Section for the $^{1}H(n,\gamma)^{2}H$ Reaction between 37 and 72 MeV
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=37-72 MeV; measured σ(E).

Keynumber: 1978VYZY
Coden: REPT JINR-P6-11675,T Vylov
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$; measured σ. ^{2}H deduced binding energy. Ge (Li) detectors.

Keynumber: 1978VY02
Reference: Yad.Fiz. 28, 1137 (1978); Sov.J.Nucl.Phys. 28, 585 (1978)
Authors: T.Vylov, K.Y.Gromov, A.I.Ivanov, B.P.Osipenko, E.A.Frolov, V.G.Chumin, A.F.Shchus, M.F.Yudin
Title: New Measurement of the Deuteron Binding Energy
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=Po-Be source; measured Eγ; deduced Q. ^{2}H deduced neutron binding energy.

Keynumber: 1978SI03
Reference: Phys.Lett. 73B, 13 (1978)
Authors: M.Simonius
Title: Exchange Current Contributions to Parity Violating Electric Transitions Revisited
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=th; analyzed possible exchange current contributions to parity violating E1 transitions,CP.

Keynumber: 1978MO28
Reference: Prog.Theor.Phys. 60, 299 (1978)
Authors: S.Morioka, T.Ueda
Title: A Relativistic Effect of Deuteron on the Photon Circular Polarization In np $\rightarrow$ dγ Process
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=low; calculated γ-CP. Relativistic effects in d.

Keynumber: 1978KO23
Reference: Phys.Lett. 78B, 529 (1978)
Authors: V.B.Kopeliovich
Title: Relativistic Invariant Approach to the Parity Violation in np $\rightarrow$ dγ Capture
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=th; calculated reaction process with parity violation.

Keynumber: 1978GRZT
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P618,Greenwood
Keyword abstract: NUCLEAR REACTIONS $^{1}H(n,\gamma)$,E=thermal; measured Eγ. ^{2}H deduced neutron binding energy. ^{3}H, ^{13}, ^{14}C, ^{15}N deduced revised neutron binding energy. Nuclear recoil correction.

Keynumber: 1978GRZN
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No28,Greenwood
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=th; measured Eγ. ^{2}H, ^{3}H, ^{13}C, ^{14}C, ^{15}N deduced B(n).

Keynumber: 1978EAZY
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No26,Earle
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=700-1520 keV; measured γγ-coin; deduced upper limit for two-photon decay.

Keynumber: 1978EAZW
Coden: REPT AECL-6216,P70,Earle
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); measured σ; deduced upper limit for double-photon branching ratio.

Keynumber: 1978EAZV
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P609,Earle
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured γγ-coin; deduced upper limit for 2-photon σ.

Keynumber: 1978CR04
Reference: Phys.Rev. C18, 1559 (1978)
Authors: B.A.Craver, A.Tubis, Y.E.Kim
Title: Exchange Current and Interaction Effects in Thermal n-p Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=th; analyzed sensitivity of exchange-current corrections to unitarily-equivalent short-range transformations,relation to parity-violation in n-p system.

Keynumber: 1977LE06
Reference: Nucl.Phys. A280, 377 (1977)
Authors: J.P.Leroy, J.Micheli, D.Pignon
Title: Gamma Polarisation in the n + p → γ + d Reaction Due to Weak Parity Violating Effects
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=th; calculated effect of parity violating weak interactions on photon polarization.

Keynumber: 1977KO37
Reference: Yad.Fiz. 25,233 (1977); Sov.J.Nucl.Phys. 25,127 (1977)
Authors: E.A.Kolomenskii, V.B.Kopeliovich, V.M.Lobashev, V.A.Nazarenko, A.I.Okorokov, A.N.Pirozhkov, L.M.Smotritskii, G.I.Kharkevich, A.F.Shchebetov
Title: The Role of the Triplet State in Radiative Capture of Thermal Neutrons by Protons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(polarized n,γ),E=th; measured CP(γ); deduced triplet-state contribution.

Keynumber: 1977CO06
Reference: Phys.Rev. C15, 1636 (1977)
Authors: D.Cokinos, E.Melkonian
Title: Measurement of the 2200 m/sec Neutron-Proton Capture Cross Section
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=0.0253 eV; measured σ.

Keynumber: 1976WUZW

Coden: REPT KFA 1975 Ann,P89,Wust
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=th; measured σ for two-photon decay.

Keynumber: 1976RI03
Reference: Phys.Rev. C13, 1324 (1976)
Authors: D.O.Riska
Title: Comment on Observation of Two-Photon Decay in n-p Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); analyzed wave functions.

Keynumber: 1976LE24
Reference: Phys.Rev. C14, 1306 (1976)
Authors: H.C.Lee, F.C.Khanna
Title: Doubly Radiative np Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated σ(2γ).

Keynumber: 1976EA04
Reference: Phys.Rev. C14, 1298 (1976)
Authors: E.D.Earle, A.B.McDonald, M.A.Lone
Title: Upper Limit for the ^{1}H(n,γγ)^{2}H Cross Section
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=th; measured σ(2γ). Ge(Li) detectors.

Keynumber: 1975WU02
Reference: Z.Phys. A274, 349 (1975)
Authors: N.Wust, H.H.Guven, B.Kardon, H.Seyfarth
Title: Experiment on Doubly Radiative Thermal Neutron Capture in Hydrogen
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured γγ-coin,σ(Eγ). ^{2}H level deduced γ-branching.

Keynumber: 1975LA01
Reference: Phys.Rev. C11, 349 (1975)
Authors: K.R.Lassey, B.H.J.McKellar
Title: Reid Soft-Core Potential and Parity Nonconserving Effects in Thermal-Neutron Capture by Protons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured CP.

Keynumber: 1975EA04
Reference: Phys.Rev.Lett. 35, 908 (1975)
Authors: E.D.Earle, A.B.McDonald, O.Hausser, M.A.Lone
Title: Search for Two-Photon Decay in Thermal np Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured upper limit for branching ratio of two-photon decay.

Keynumber: 1975DR03
Reference: Phys.Rev.Lett. 34, 752 (1975)
Authors: W.B.Dress, C.Guet, P.Perrin, P.D.Miller
Title: Observation of Two-Photon Decay in n-p Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=subthermal; measured γγ-coin,σ(Eγ). ^{2}H deduced γ-branching ratios.

Keynumber: 1975AL22
Reference: Phys.Rev.Lett. 35, 813 (1975)
Authors: D.E.Alburger
Title: Comments on the Observation of Two-Photon Decay in n-p Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); analyzed γγ-coin data; deduced branching ratio error due to cross-talk effect between detectors.

Keynumber: 1974MIZP
Coden: PREPRINT P D Miller,5/21/74
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); measured σ for 2γ production.

Keynumber: 1974MC06
Reference: Phys.Rev. C9, 1790 (1974)
Authors: B.H.J.McKellar
Title: Analysis of the Parity-Nonconserving Amplitudes of the Reactions n + p → d + γ and n + d → t + γ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ), ^{2}H(n,γ),thermal neutrons; formalism for calculating parity-nonconserving effects.

Keynumber: 1974LA31
Reference: Aust.J.Phys. 27, 637 (1975); Erratum UM-P-74/7(E) (1975)
Authors: K.R.Lassey, B.H.J.McKellar
Title: Parity-Nonconserving Effects in n-p Capture at Thermal Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); calculated polarization,asymmetry.

Keynumber: 1974DEXP
Coden: REPT Univ Paris,IPN 1974 Annual,PT20
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); calculated polarization,γ(θ).

Keynumber: 1973COWZ
Coden: REPT USNDC-7 P78
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ); measured σ.

Keynumber: 1973AR12
Reference: Phys.Rev. C8, 1179 (1973)
Authors: R.G.Arnold, B.T.Chertok, I.G.Schroder, J.L.Alberi
Title: Search for Doubly Radiative np Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured γγ-coin. Deduced capture σ.

Keynumber: 1972RI02
Reference: Phys.Lett. 38B, 193 (1972)
Authors: D.O.Riska, G.E.Brown
Title: Meson Exchange Effects in n + p → d + γ
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E approx threshold; calculated exchange current corrections.

Keynumber: 1972OP01
Reference: Nucl.Phys. A180, 569 (1972)

Authors: A.M.F.Op den Kamp, A.M.J.Spits
Title: Gamma Rays from Thermal-Neutron Capture in Natural and ^{39}K Enriched Potassium
Keyword abstract: NUCLEAR REACTIONS ^{39}, ^{41}K, ^{1}H, ^{6}Li, ^{12}C, ^{19}F, ^{40}Ar, ^{56}Fe, ^{207}Pb(n,γ),E= thermal; ^{19}F, ^{28}Si(n,n'γ),E=fast; measured Eγ,Iγ. ^{39}K(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin; deduced Q. ^{40}, ^{42}K deduced levels,γ-branching. Ge(Li),NaI detectors.

Keynumber: 1972MA28
Reference: Phys.Rev. C5, 1807 (1972)
Authors: S.S.Malik
Title: Possible Tests on the Verification of and Departure from '$^{1}S_{0}\rightarrow{}^{3}S_{1}$ Radiative Transition' in Thermal n-p Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; proposed test of $1s_{0}$--$3s_{1}$ transition hypothesis.

Keynumber: 1972LO21
Reference: Nucl.Phys. A197, 241 (1972)
Authors: V.M.Lobashov, D.M.Kaminker, G.I.Kharkevich, V.A.Knyazkov, N.A.Lozovoy, V.A.Nazarenko, L.F.Sayenko, L.M.Smotritsky, A.I.Yegorov
Title: Parity Non-Conservation in Radiative Thermal Neutron Capture by Protons
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; measured γ-circular polarization.

Keynumber: 1972AD15
Reference: Phys.Rev. C6, 1964 (1972)
Authors: R.J.Adler
Title: Doubly Radiative np Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated σ.

Keynumber: 1972AD03
Reference: Phys.Rev. C5, 615 (1972)
Authors: R.J.Adler
Title: Radiative np Capture and Polarization Effects
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated σ(θ(γ)). polarized beam,target.

Keynumber: 1971BR04
Reference: Nucl.Phys. A161, 337 (1971)
Authors: G.Breit, M.L.Rustgi
Title: Proposed Polarized-Target-Beam Test for $^{3}S_{1}$-$^{3}S_{1}$ Radiative Transitions in Thermal n-p Capture
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ),E=thermal; calculated Iγ(θ),Pγ.

Keynumber: 1965CO17
Reference: Nucl.Phys. 74, 497 (1965)
Authors: A.E.Cox, S.A.R.Wynchank, C.H.Collie
Title: The Proton-Thermal Neutron Capture Cross Section
Keyword abstract: NUCLEAR REACTIONS ^{1}H(n,γ), E = thermal; measured σ. Natural target.
