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Keynumber: 2001HAZR
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Authors: Y.Han, Q.Shen, B.Yu, J.Zhang
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Keyword abstract: NUCLEAR REACTIONS Lu, ^{175}, ^{176}Lu(n,X), (n,γ), (n,p), (n,α), (n,xn),E <20 MeV; calculated σ. Comparisons with data.

Keynumber: 1999HO33
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Authors: N.E.Holden
Title: Temperature Dependence of the Westcott g-Factor for Neutron Reactions in Activation Analysis (Technical Report)
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{113}Cd, ^{115}In, ^{135}Xe, ^{148}Pm, ^{149}, ^{151}Sm, ^{151}, ^{152}, ^{153}, ^{154}, ^{155}Eu, ^{155}, ^{157}Gd, ^{164}Dy, ^{175}, ^{176}Lu, ^{177}Hf, ^{182}Ta, ^{185}, ^{187}Re, ^{197}Au, ^{231}, ^{233}Pa, ^{235}, ^{238}U (n,γ),E=low; calculated Westcott g-factors vs temperature.

Keynumber: 1999BO14
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Authors: S.T.Boneva, E.V.Vasilieva, L.I.Simonova, V.A.Bondarenko, A.M.Sukhovoi, V.A.Khitrov
Title: (n,γ) Reactions in Heavy Nuclei: Manifestations of nuclear structure at excitation energies up to the neutron binding energy
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}, ^{124}Te, ^{127}I, ^{134}, ^{136}, ^{137}, ^{138}Ba, ^{139}La, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{162}, ^{163}, ^{164}Dy, ^{165}Ho, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{181}Ta, ^{182}, ^{186}W, ^{187}, ^{189}Os, ^{191}Ir, ^{195}Pt, ^{197}Au, ^{199}Hg(n,γ),E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: 1998KH05
Reference: Fizika(Zagreb) B7, 37 (1998); Erratum Fizika(Zagreb) B7, 275 (1998)
Authors: V.A.Khitrov, A.M.Sukhovoj, J.Honzatko, I.Tomandl, G.Georgiev
Title: Cascade Gamma-Decay Process of the ^{177}Lu Compound Nucleus and Its Peculiarities
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{177}Lu deduced levels,J,π,possible vibrational behaviour.

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Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{127}I, ^{123}Te, ^{134}, ^{136}, ^{137}, ^{138}Ba, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{162}, ^{163}, ^{164}Dy, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{195}Pt, ^{199}Hg, ^{181}Ta, ^{182}, ^{186}W, ^{191}Ir, ^{197}Au(n,γ),E=thermal; analyzed γ spectra,γγ-coin. ^{114}Cd, ^{124}Te, ^{137}, ^{138}, ^{139}Ba, ^{146}Nd, ^{150}Sm, ^{156}, ^{158}Gd, ^{160}Tb, ^{164}Dy, ^{168}Er, ^{170}Tm, ^{174}Yb, ^{181}Hf, ^{196}Pt, ^{200}Hg, ^{182}Ta, ^{183}W, ^{192}Ir, ^{198}Au deduced two-quantum cascade intensities vs excitation energy,level density parameters,pairing features.

Keynumber: 1997KHZW
Reference: Proc.Intern.on Nuclear Data for Science and Technology, Trieste, Italy, 19-24 May, 1997, G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.1, p.750 (1997)
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Title: States of Heavy Nuclei Strongly Excited in the (n(th),γ)-Reaction: Possible dominant component at E(ex) ≤ 3-5 MeV
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{174}Yb, ^{176}Lu, ^{181}Ta(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{168}Er, ^{175}Yb, ^{177}Lu, ^{182}Ta deduced collective excitations.

Keynumber: 1997KHZV
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Authors: V.A.Khitrov, A.M.Sukhovoi, J.Honzatko, I.Tomandl, G.Georgiev
Title: Cascade Gamma Decay of the ^{176,177}Lu Compound Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin,two-step cascade intensities. ^{176}, ^{177}Lu deduced level densities.

Keynumber: 1996PE05
Reference: Nucl.Phys. A599, 505 (1996)
Authors: P.Petkov, W.Andrejtscheff, H.G.Borner, S.J.Robinson, N.Klay, S.Yamada
Title: Level Scheme and Electromagnetic Transition Strengths in ^{177}Lu
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,I(ce),γγ(t). ^{177}Lu deduced levels,γ-branching,γ-multipolarity,$T_{1/2}$,B(λ),quadrupole moments. Enriched target,electron-,bent crystal γ-spectrometers,Ge,BaF_2 detectors. Rotor-plus-quasiparticle calculations,systematics of K-forbidden E2 transitions.

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Authors: W.Andrejtscheff, P.Petkov, H.Borner, S.J.Robinson
Title: New Isomers and Transition Strengths in ^{177}Lu
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,γγ(t). ^{177}Lu deduced levels,J,π,isomers $T_{1/2}$,configurations,deformation.

Keynumber: 1993BE39
Reference: Bull.Rus.Acad.Sci.Phys. 57, 33 (1993)
Authors: M.R.Beitin, V.A.Bondarenko, I.L.Kuvaga, L.K.Khiem, Yu.P.Popov, P.T.Prokofev, A.M.Sukhovoy, P.D.Khang, V.A.Khitrov, Yu.V.Kholnov
Title: ^{177}Lu Nucleus Compound State Decay in (n,2γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured γγ-coin,Iγ. ^{177}Lu deduced levels,two quantum cascade Iγ. Enriched target.

Keynumber: 1992BEYX
Reference: Program and Thesis, Proc.42nd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Alma-Ata, p.93 (1992)
Authors: M.R.Beitinsh, V.A.Bondarenko, I.L.Kuvaga, P.T.Prokofev, Le Khong Kkhem, Yu.P.Popov, A.M.Sukhovoi, F.D.Kkhang, V.A.Khitrov, Yu.V.Kholnov

Title: Study of ^{177}Lu in (n,2γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E not given; measured γ-spectra,γγ-coin. ^{177}Lu deduced levels. Amplitude summation method.

Keynumber: 1988GA05
Reference: J.Phys.(London) G14, Supplement S315 (1988)
Authors: M.A.Gardner, D.G.Gardner, R.W.Hoff

Title: The Impact of Calculated Photon-Induced Isomer Production in ^{176}Lu on Its use as a Stellar Chronometer and/or Themometer

Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ),E ≤ 2 MeV; calculated capture σ(E). ^{175}Lu(γ,n), (γ,2n),E=threshold-18 MeV; calculated photoneutron σ(E). ^{176}, ^{176m}Lu deduced production,decay features. Stellar chronometer implications.

Keynumber: 1987BE53
Reference: Yad.Fiz. 46, 392 (1987)
Authors: F.Becvar, J.Honzatko, M.E.Montero-Cabrera, S.A.Telezhnikov, Huynh Thuong Hiep

Title: Study of Photon Strength Functions of ^{174}Yb and ^{176}, ^{177}Lu by Means of (n,γ) Reaction in Isolated Resonances

Keyword abstract: NUCLEAR REACTIONS ^{173}Yb, ^{175}, ^{176}Lu(n,γ),E=reactor spectrum; measured Eγ,Iγ. ^{174}Yb, ^{176}, ^{177}Lu deduced γ- strength functions ,E1 transition characteristics. Tof.

Keynumber: 1986OK02
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Authors: A.Okazaki, R.T.Jones

Title: Measured Dependence of Some Effective Cross Sections on Thermal Neutron Temperatures in the Range -195^{0}C to 297^{0}C

Keyword abstract: NUCLEAR REACTIONS ^{233}, ^{235}U, ^{239}Pu(n,F), ^{238}U, ^{232}Th, ^{63}Cu, ^{115}In, ^{176}Lu, ^{197}Au(n,γ),E=thermal; measured effective σ vs temperature in Maxwellian distribution for fission,capture.

Keynumber: 1984BEZA
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Title:

Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E <50 eV; measured γ-spectra; deduced reduced Γn,partial Γγ correlation. Quasiparticle-phonon model. Tof.

Keynumber: 1984BE34
Reference: Phys.Rev. C30, 464 (1984)
Authors: H.Beer, G.Walter, R.L.Macklin, P.J.Patchett

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Keyword abstract: NUCLEAR REACTIONS ^{160}, ^{161}Dy, ^{170}, ^{171}Yb, ^{175}, ^{176}Lu, ^{176}, ^{177}Hf(n,γ),E ≈ 3-500 keV; measured σ(E),γ yields; deduced Maxwellian <σ >solar abundances,s-process temperature constraints. ^{176}, ^{177}Lu, ^{177}, ^{178}Hf, ^{161}, ^{162}Dy, ^{171}, ^{172}Yb deduced resonances,parameters, (gΓnΓγ/Γ),s-wave strength functions.

Keynumber: 1981ST28
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Authors: M.P.Stojanovic, J.Simic, S.Koicki
Title: Investigation of ^{177}Lu 150.392 keV Isomeric State Feeding
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured γγ(t). ^{177}Lu deduced isomer feeding,rotational band transitions. Ge(Li),NaI(Tl) scintillation detectors.

Keynumber: 1980BE05
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Authors: H.Beer, F.Kappeler
Title: Neutron Capture Cross Sections on ^{138}Ba, ^{140}, ^{142}Ce, ^{175}, ^{176}Lu, and ^{181}Ta at 30 Kev: Prerequisite for Investigation of the ^{176}Lu Cosmic Clock
Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, ^{140}, ^{142}Ce, ^{175}, ^{176}Lu, ^{181}Ta(n,γ),E=30 keV; measured σ; deduced solar S process age,Hf/Lu abundance.

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Keynumber: 1978SIZQ
Coden: REPT CEA-N-2037,P101,Simon
Keyword abstract: NUCLEAR REACTIONS ^{85}Rb, ^{133}Cs, ^{159}Tb, ^{176}Lu, ^{181}Ta(n,γ),E=0.00001 eV-20 MeV; evaluated σ. RESEND,parameters of revised ENDF/B IV file.

Keynumber: 1978AL12
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Authors: L.Aldea, F.Becvar, H.T.Hiep, S.Pospisil, S.A.Telezhnikov
Title: Statistical Properties of Secondary γ-Transitions in the ^{175}, ^{176}Lu(n,γ)^{176}, ^{177}Lu Reactions
Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ),E=reactor spectrum; measured σ(E,Eγ). ^{176}, ^{177}Lu deduced resonances,levels,J,π.

Keynumber: 1977SE03
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Authors: H.Seyfarth, N.Wust, O.W.B.Schult
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Keynumber: 1977ALZS
Coden: REPT JINR-P3-10012,L Aldea
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Keynumber: 1976WI06

Reference: Nucl.Sci.Eng. 60, 53 (1976)
Authors: J.F.Widder
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Keyword abstract: NUCLEAR REACTIONS ^{151}, ^{153}Eu, ^{175}, ^{176}Lu(n,γ),E=0.01-10 eV; measured σ(E,Eγ).

Keynumber: 1975WIZU
Coden: REPT ERDA/NDC-2, p28, Wilson
Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ); measured σ(E,Eγ). ^{176}, ^{177}Lu deduced levels,J,π,M1,E1 strength functions.

Keynumber: 1975WIYY
Coden: REPT ANL-75-75,P140
Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ),E=thermal; measured σ(Eγ). ^{176}, ^{177}Lu deduced resonances,J,π.

Keynumber: 1975GE11
Reference: Nucl.Phys. A251, 305 (1975)
Authors: D.Geinoz, J.Kern, R.Piepenbring
Title: Study of the ^{176}Lu(n,γ)^{177}Lu Reaction Using a Gamma Band-Filter Spectrometer
Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ. ^{176}Lu deduced transitions. ^{177}Lu deduced levels,J,π,K. Coriolis calculation.

Keynumber: 1974GEZR
Reference: Use Reference 75Ge11
Keyword abstract: NUCLEAR REACTIONS ^{175}, ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ. ^{176}, ^{177}Lu deduced transitions. ^{177}Lu deduced levels,J,π.

Keynumber: 1973PRZI
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Authors: P.Prokofev, M.Balodis, M.Beitins, Y.Berzin, V.Bondarenko, N.Kramer, A.Krumina, G.Rezvaya, L.Simonova
Title:
Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd, ^{149}Sm, ^{167}Er, ^{174}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}Hf, ^{181}Ta, ^{186}W(n,γ), E=thermal; measured Eγ,Iγ,I(ce). Deduced ICC. ^{151}Eu, ^{155}Gd(n,γ), E=thermal; measured Eγ,I(ce). Deduced ICC. ^{157}Gd, ^{162}, ^{164}Dy, ^{165}Ho, ^{168}Yb, ^{169}Tm(n,γ), E=thermal; measured I (ce). Deduced ICC. ^{191}, ^{193}Ir(n,γ),E=thermal; measured Eγ,Iγ. ^{144}Nd, ^{150}Sm, ^{156}, ^{158}Gd, ^{163}, ^{165}Dy, ^{166}Ho, ^{168}Er, ^{169}, ^{175}, ^{177}Yb, ^{170}Tm, ^{176}Lu, ^{178}Hf, ^{182}Ta deduced levels,J,π, γ-multipolarities. ^{146}Nd, ^{185}W, ^{194}Ir deduced levels,J,π. ^{152}Eu deduced transitions,γ-multipolarities. ^{187}W, ^{192}Ir deduced transitions.

Keynumber: 1973ANYZ
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Keynumber: 1973ALYY
Coden: CONF Munich(Nucl Phys),Vol1 P660
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Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{177}Lu deduced levels,J,π,γ-branching.

Keynumber: 1972MA54
Reference: Nucl.Phys. A194, 561 (1972)
Authors: P.Manfrass, W.Andrejtscheff
Title: Abregung der 1/2$^-$[541] und 1/2$^+$[411] Banden im ^{177}Lu
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured γγ-coin,γγ-delay. ^{177}Lu deduced levels $T_{1/2}$,J,π. Enriched target.

Keynumber: 1972GE20
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Authors: D.Geinoz, J.Kern
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Coden: CONF Budapest,Contributions,P228,A Fubini,10/13/72
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Reference: Contrib.Conf.Nucl.Structure Study with Neutrons, Budapest, p.98 (1972)
Authors: W.Andrejtscheff, P.Manfrass, H.Prade

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Keyword abstract: NUCLEAR REACTIONS ^{176}Lu, ^{186}W(n,γ), measured γγ-delay. ^{177}Lu, ^{187}W levels deduced $T_{1/2}$.

Keynumber: 1972ANZE
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Authors: W.Andrejtscheff, P.Manfrass, H.Prade
Title: Investigations of Nanosecond Isomeric Transitions in ^{177}Lu and ^{187}W Using the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ), ^{186}W(n,γ); measured γγ(t). ^{177}Lu, ^{187}W level deduced $T_{1/2}$.

Keynumber: 1971MA45
Reference: Nucl.Phys. A172, 298 (1971)
Authors: P.Manfrass, H.Prade, M.R.Beitins, W.A.Bondarenko, N.D.Kramer, P.T.Prokofev
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Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured E(ce),I(ce),Eγ,Iγ,γγ-coin. ^{177}Lu deduced levels,J,π. Enriched target,Ge(Li) detectors,β-spectrograph.

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Title: The Levels of ^{177}Lu Excited in the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,I(ce). ^{177}Lu deduced levels,J,π,K,band parameters,g(K),g(R),quadrupole moment.

Keynumber: 1970FL09
Reference: Atomkernenergie 15, 269 (1970)
Authors: C.M.Fleck, W.Niederstatter
Title: Measurements Concerning the Decay of ^{177}Lu
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,nγ-delay ^{177}Lu deduced levels,$T_{1/2}$.

Keynumber: 1970BE56
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Authors: M.Beitins, V.Bondarenko, N.Kramer, P.Prokofyev, P.Manfrass, H.Prade
Title: The ^{177}Lu Radiation Spectra Taken during Thermal Neutron Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured Eγ,Iγ,I(ce). ^{177}Lu deduced transitions,ICC,γ-multipolarity.

Keynumber: 1969BOZU
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Authors: H.H.Bolotin
Title: Thermal-Neutron Capture Gamma-Gamma Coincidence Studies and Techniques
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{63}Cu, ^{176}Lu, ^{209}Bi(n,γ),E=thermal; measured γγ-coin. ^{46}Sc, ^{64}Cu, ^{177}Lu, ^{210}Bi deduced levels,J,π,γ-branching.

Keynumber: 1968BE70
Reference: Latvijas PSR Zinatnu Akad.Vestis, Fiz.Teh.Zinatnu Ser., No.3, 3 (1968)
Authors: M.Beitinsh, N.Kramer, P.Prokofyev
Title: Internal Conversion Electron Spectrum in ^{176}Lu(n,γ)^{177}Lu Reaction
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ),E=thermal; measured E(ce),I(ce). ^{177}Lu deduced transitions,γ-multipolarity.

Keynumber: 1965HE06
Reference: Nucl.Phys. 70, 415 (1965)
Authors: C.Heiser, K.F.Alexander
Title: Ein Neues Isomer des Lu^{177} mit 160 μsec Halbwertszeit
Keyword abstract: RADIOACTIVITY ^{177}Lu [from ^{176}Lu(n,γ)]; measured Eγ, γγ-, Xγ-coin, ICC; deduced levels J, π.
Keyword abstract: NUCLEAR REACTIONS ^{176}Lu(n,γ), E = thermal; measured σ, Eγ, nγ-delay. ^{177}Lu deduced level, $T_{1/2}$. Natural target.

Keynumber: 1960SC19
Reference: Nucl.Sci.Eng. 7, 477 (1960)
Authors: L.C.Schmid, W.P.Stinson
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Keyword abstract: RADIOACTIVITY ^{176m}, ^{177}Lu; measured $T_{1/2}$.
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