

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

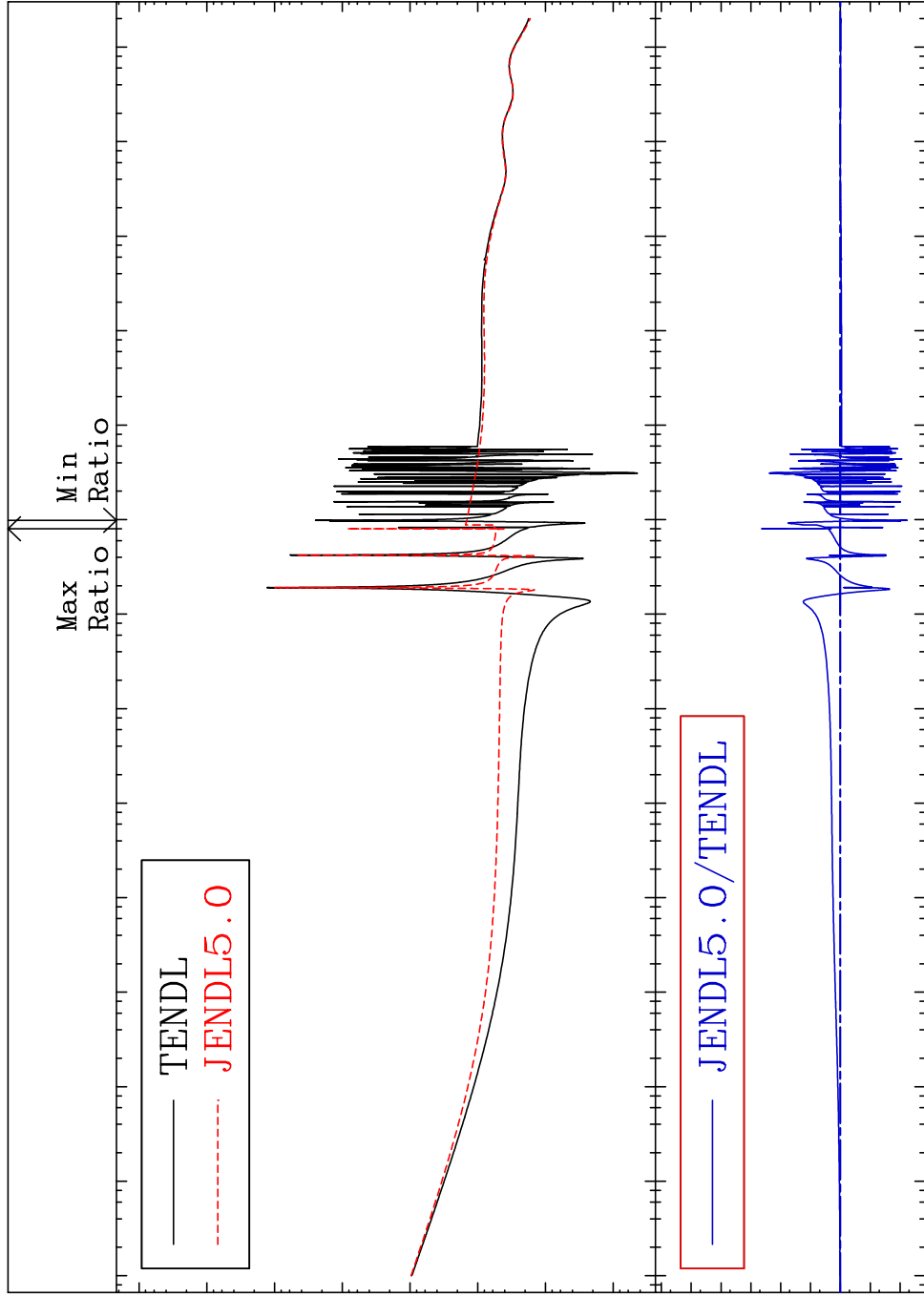
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4625

Total Cross Section -99.42 To 9999. %
46-Pd-102



Cross Section (barns)
 10^5
 10^4
 10^3
 10^2
 10^1
 10^0
 10^{-1}

JENDL5.0/TENDL

Ratio
 10^3
 10^0

Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

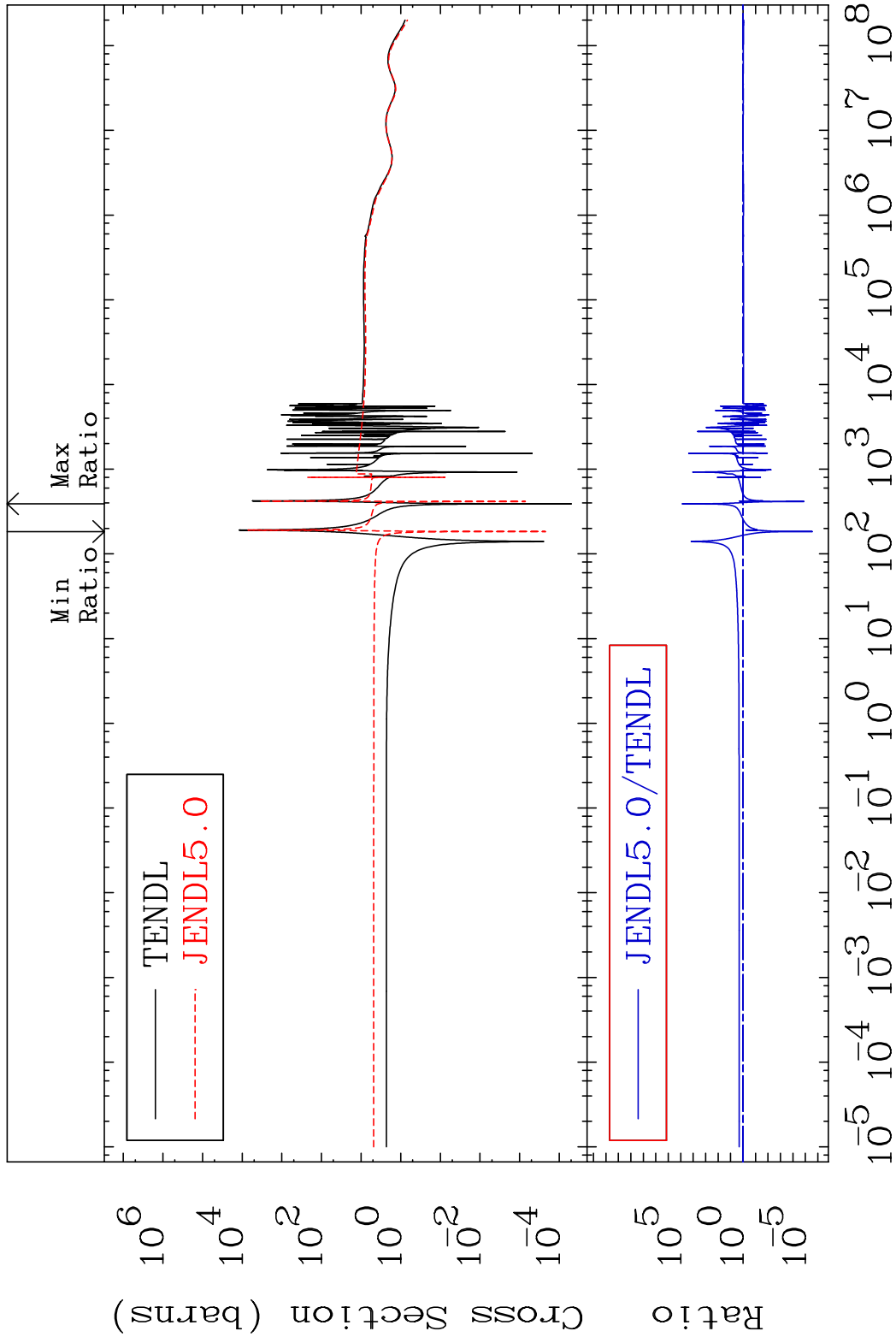
1 Incident Energy (eV) 46-Pd-102

MAT 4625

Elastic

46-Pd-102

Cross Section -100.0 To 9999. %

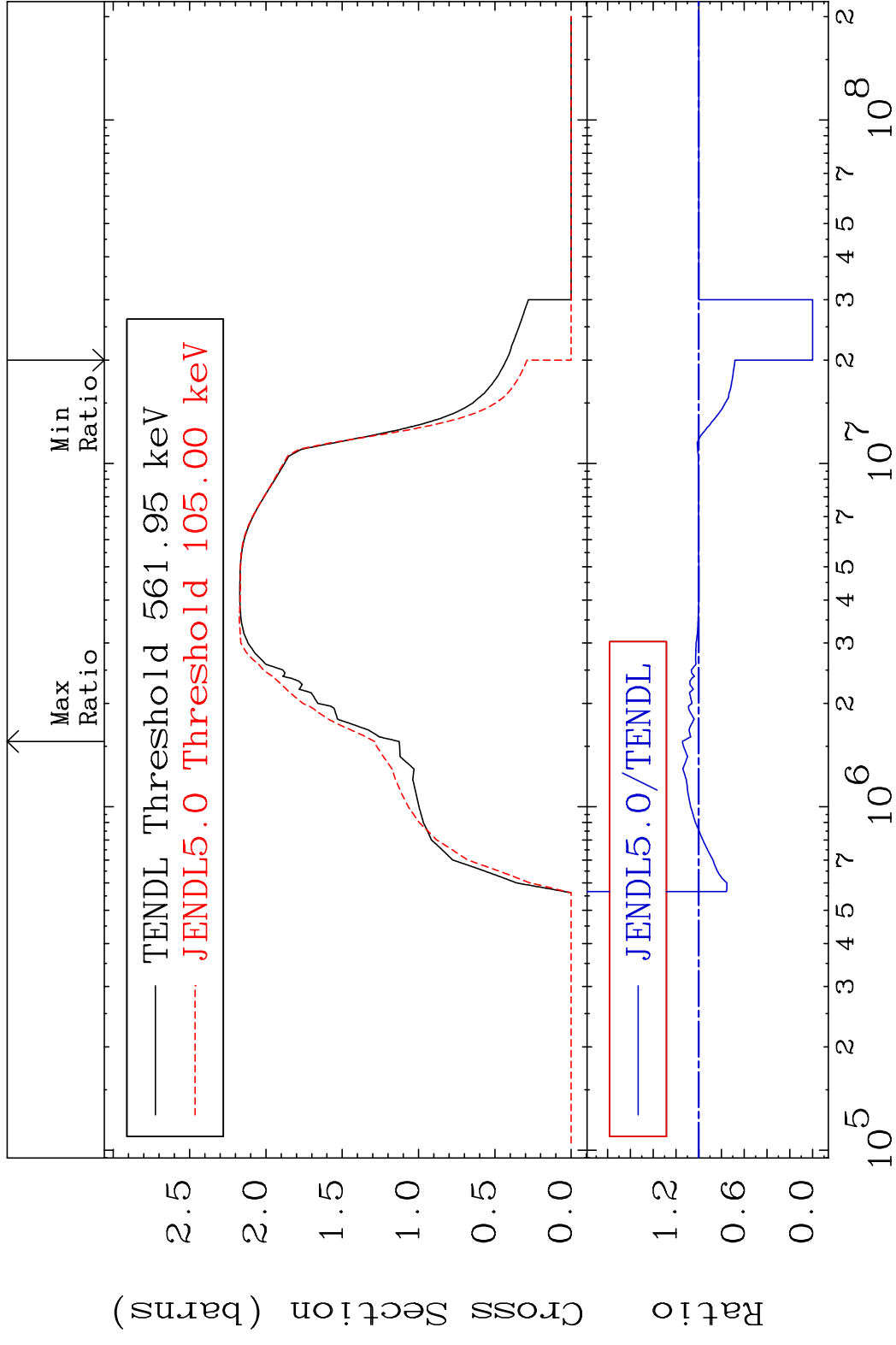


2

Incident Energy (eV)

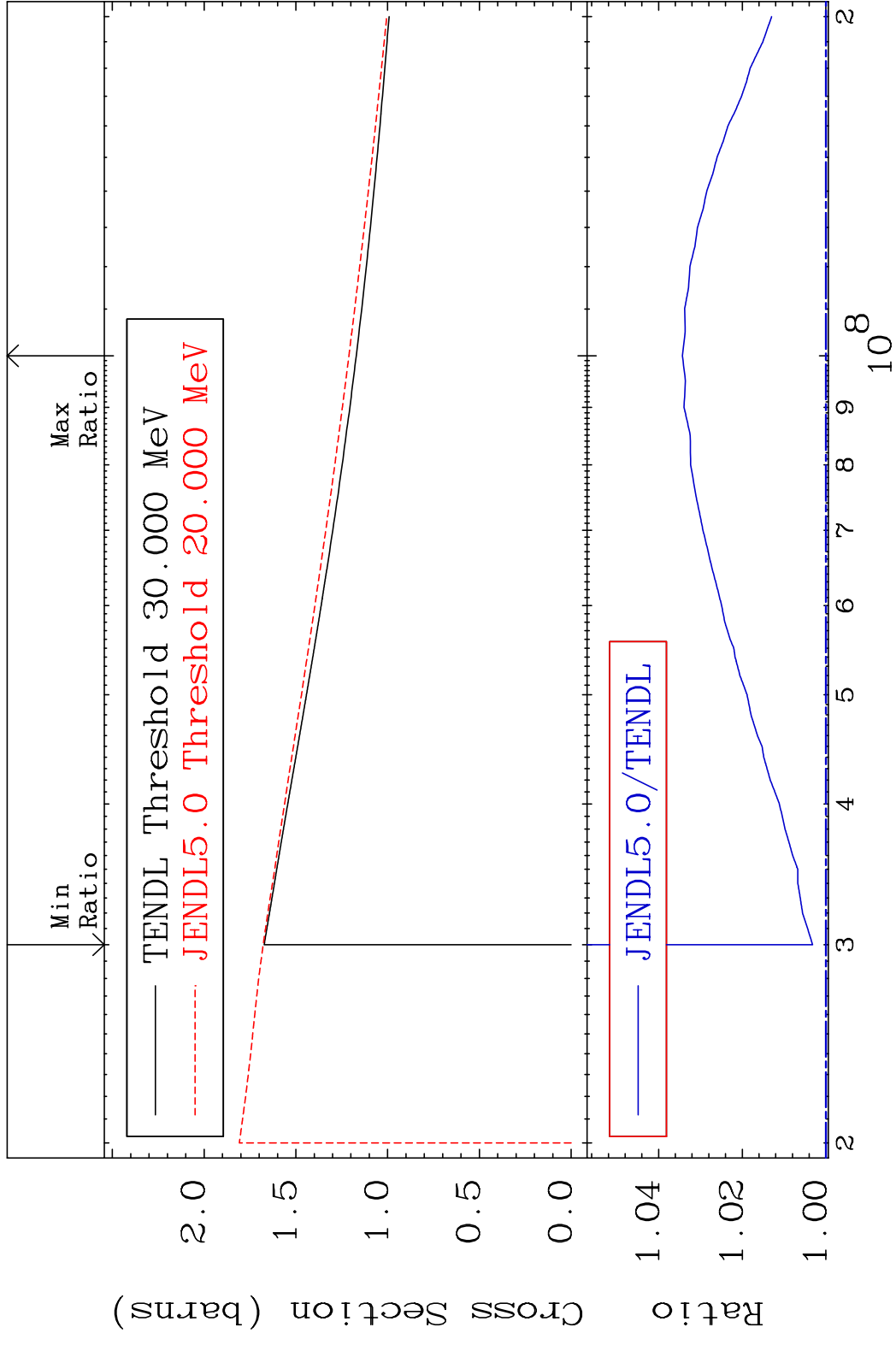
46-Pd-102

MAT 4625 Inelastic 46-Pd-102
 Cross Section -100.0 To 14.36 %



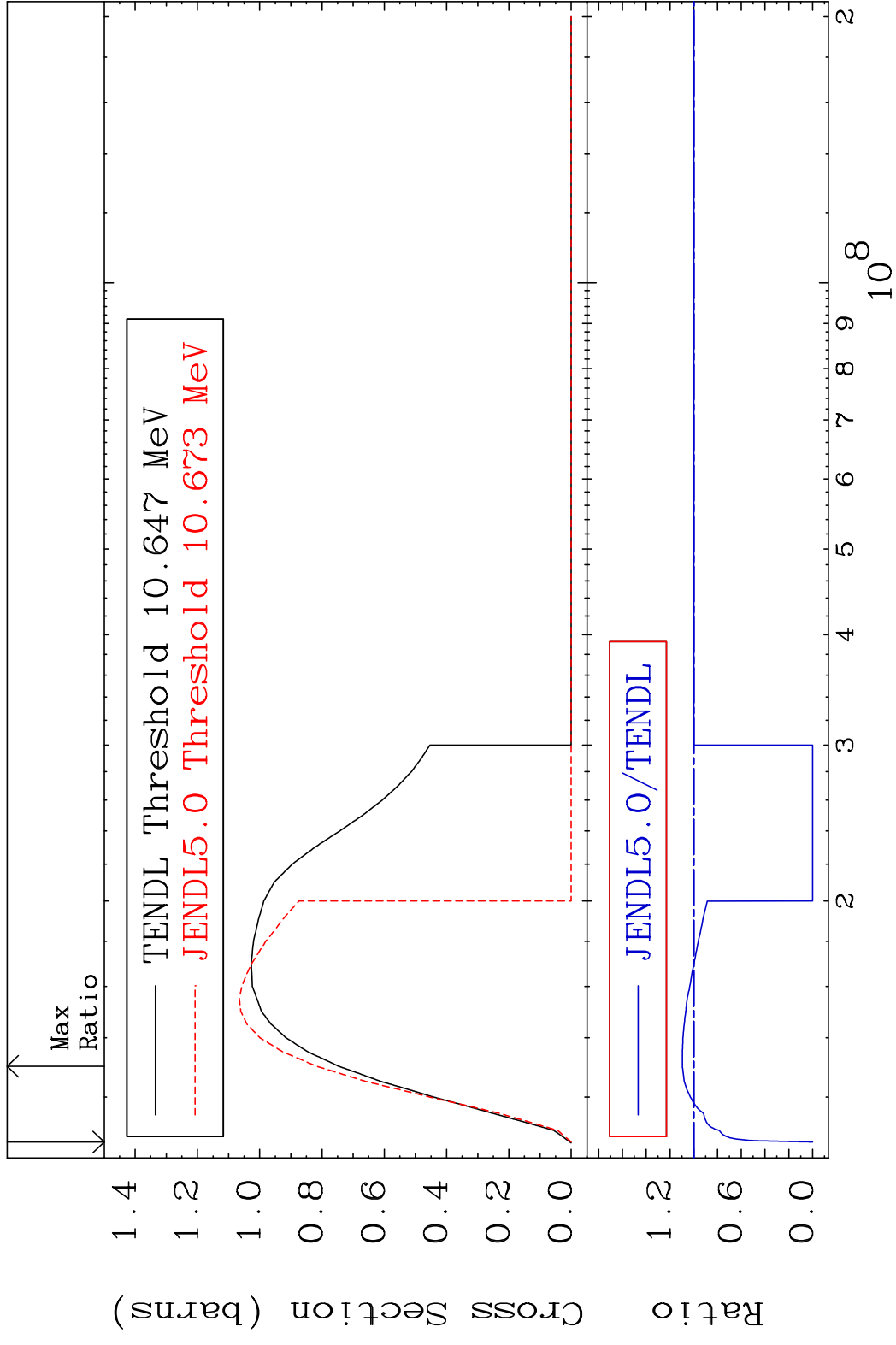
3 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, remainder) 46-Pd-102
 Cross Section 0.319 To 3.432 %

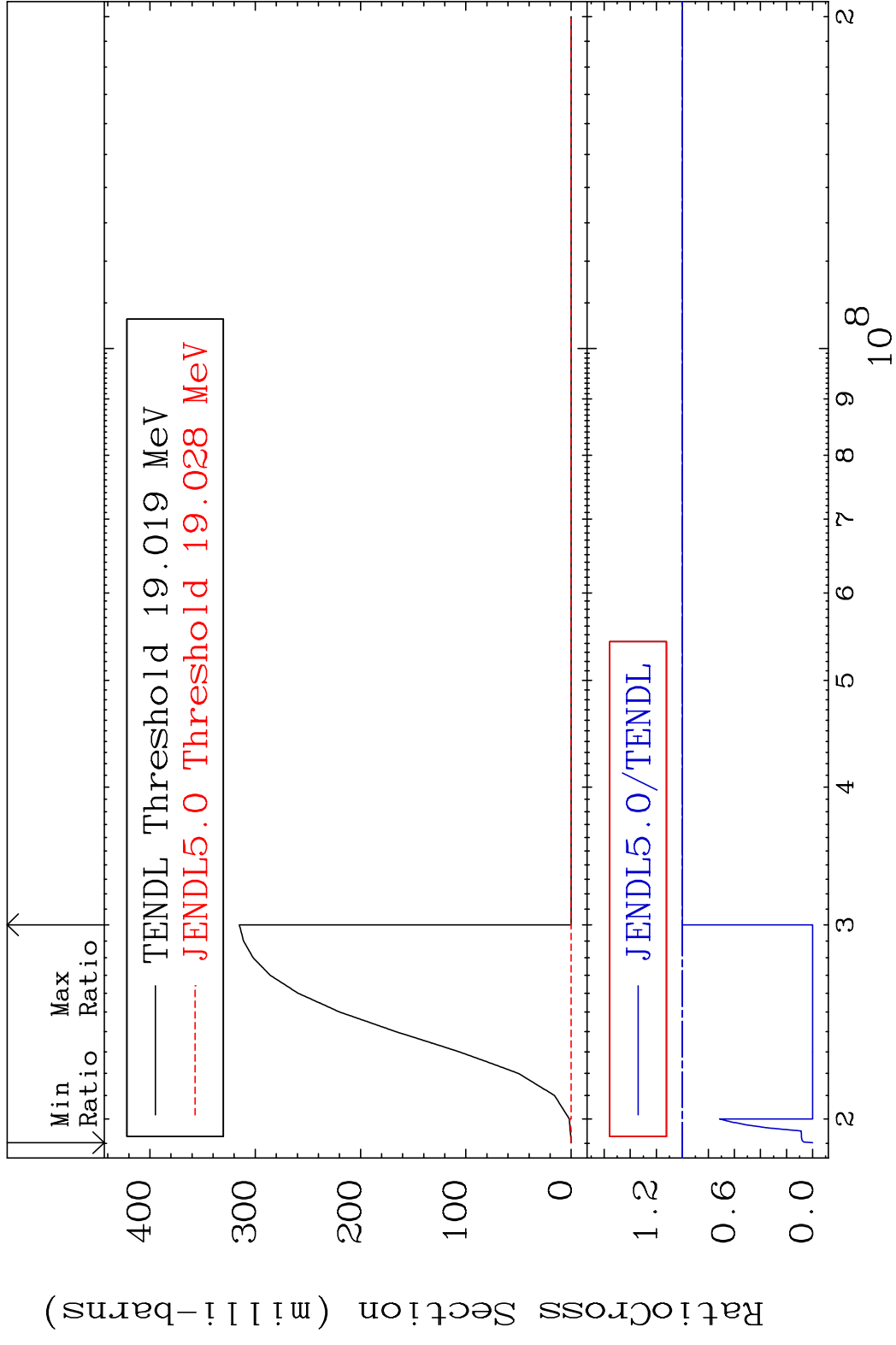


4 Incident Energy (eV) 46-Pd-102

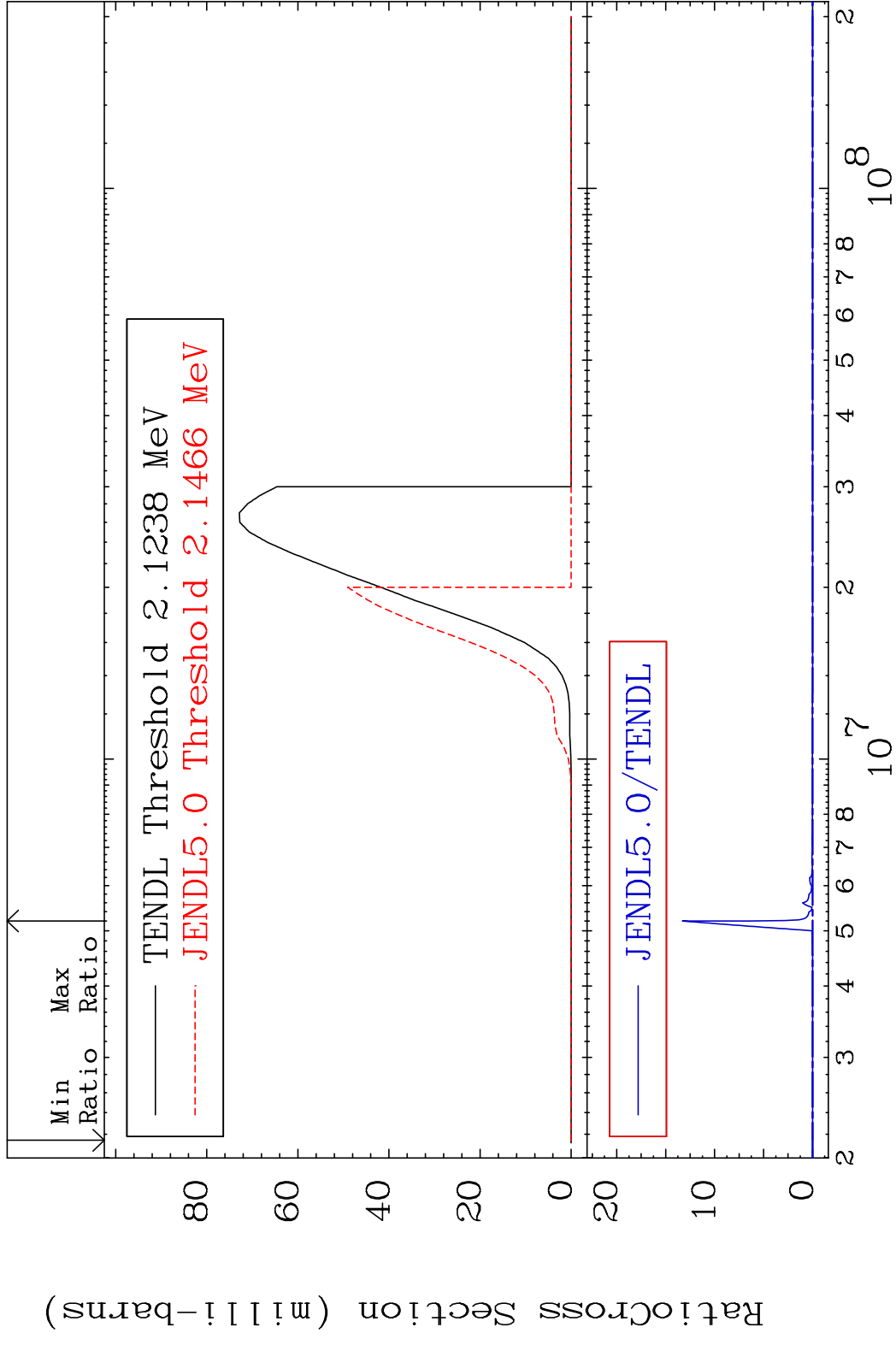
MAT 4625 (n,2n) 46-Pd-102
 Cross Section -100.0 To 9.573 %



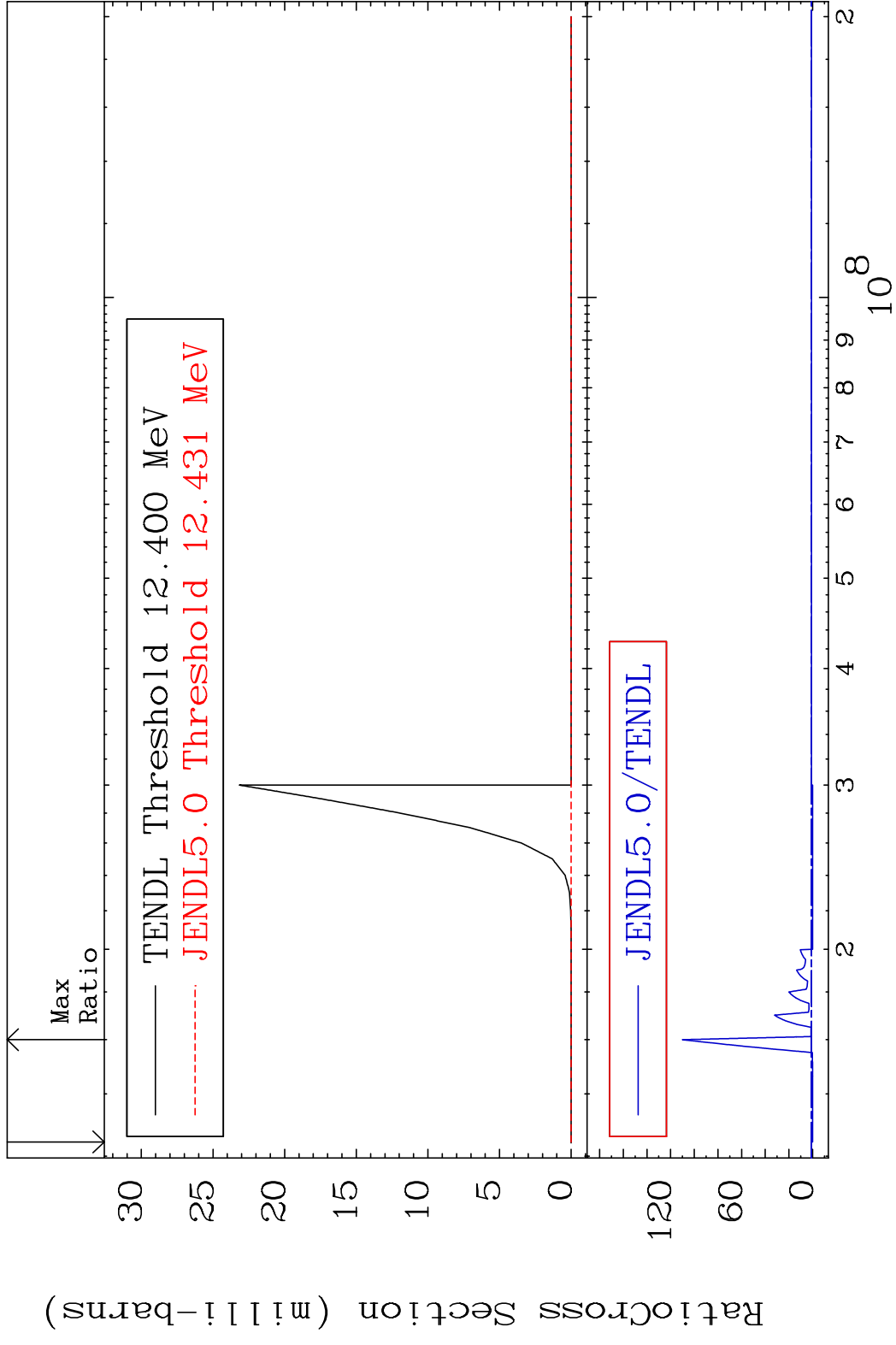
MAT 4625 (n,3n) 46-Pd-102
 Cross Section -100.0 To 0.000 %



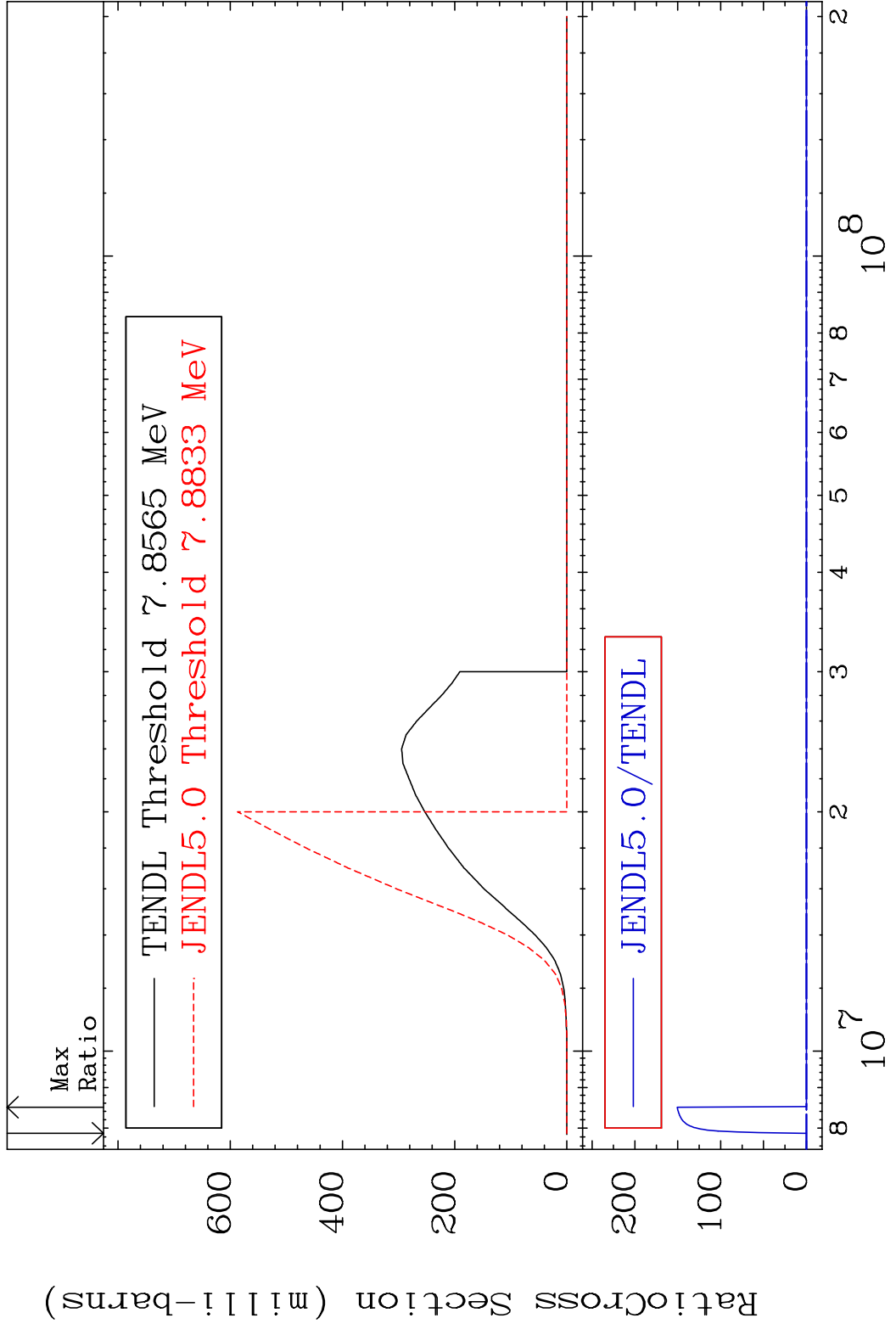
MAT 4625 (n, n') α 46-Pd-102
 Cross Section -100.0 To 9999. %



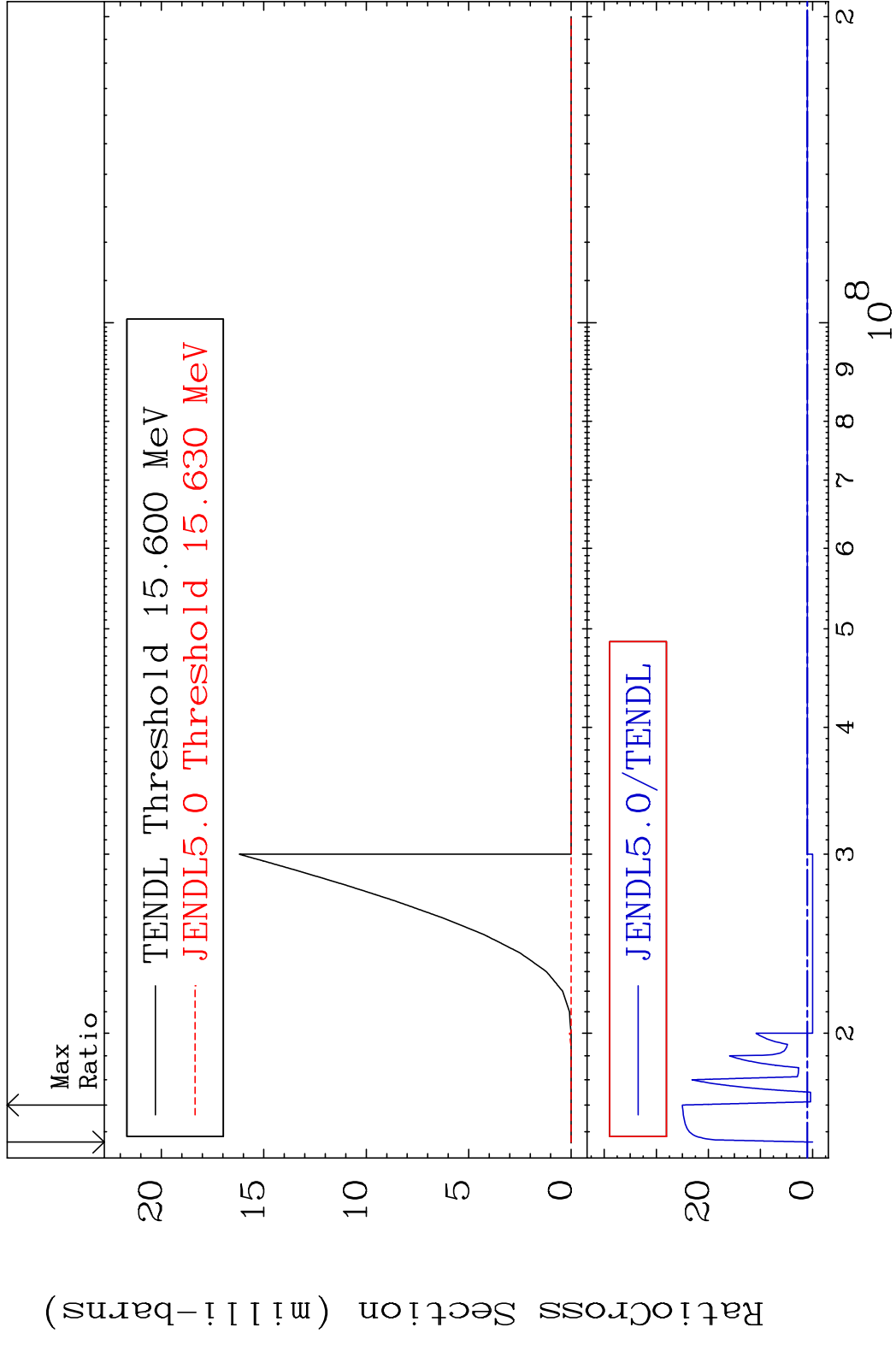
MAT 4625 (n,2n) α 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 (n, n') p 46-Pd-102
 Cross Section -100.0 To 9999. %

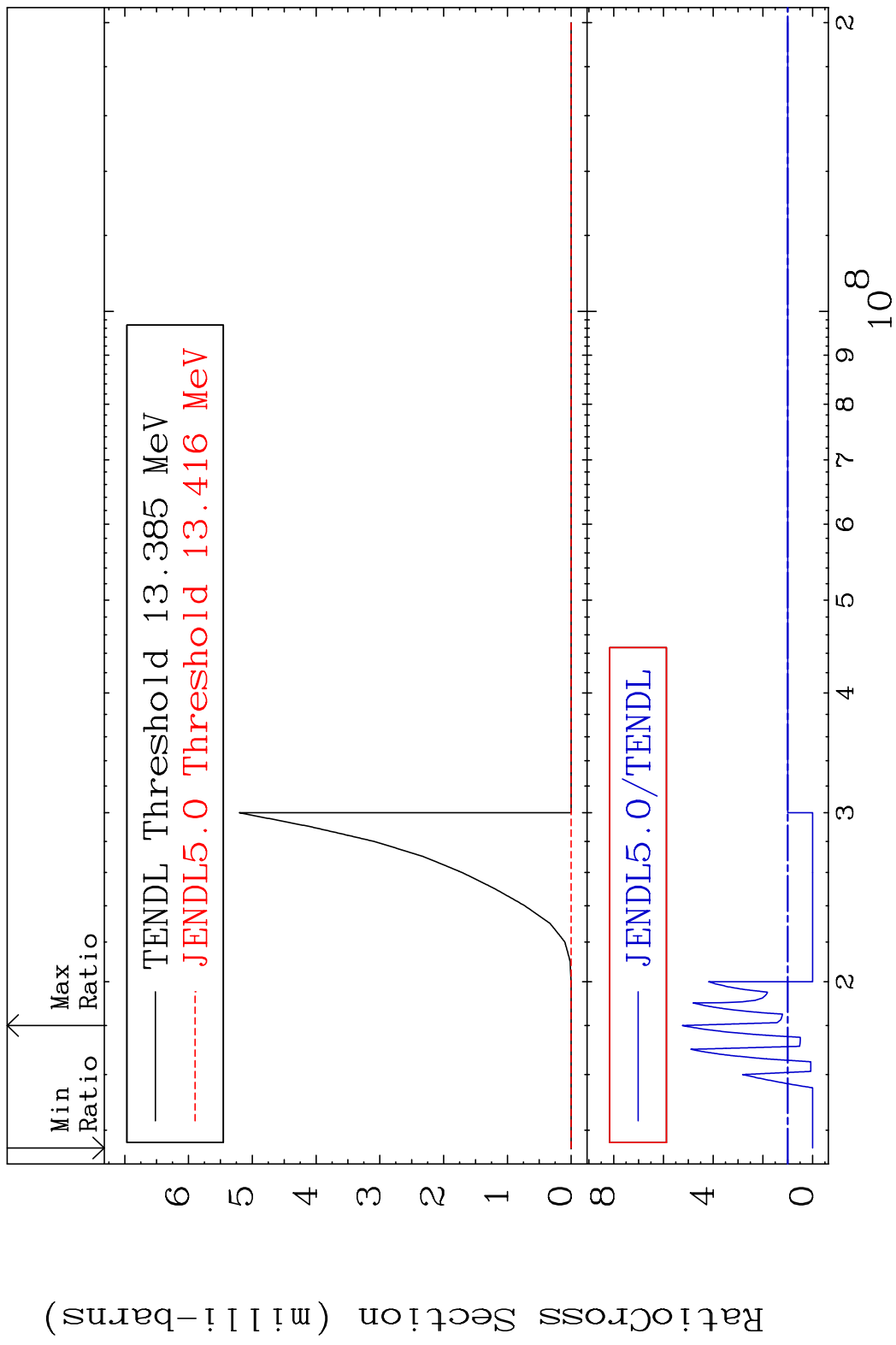


MAT 4625 (n, n') d 46-Pd-102
 Cross Section -100.0 To 2400. %

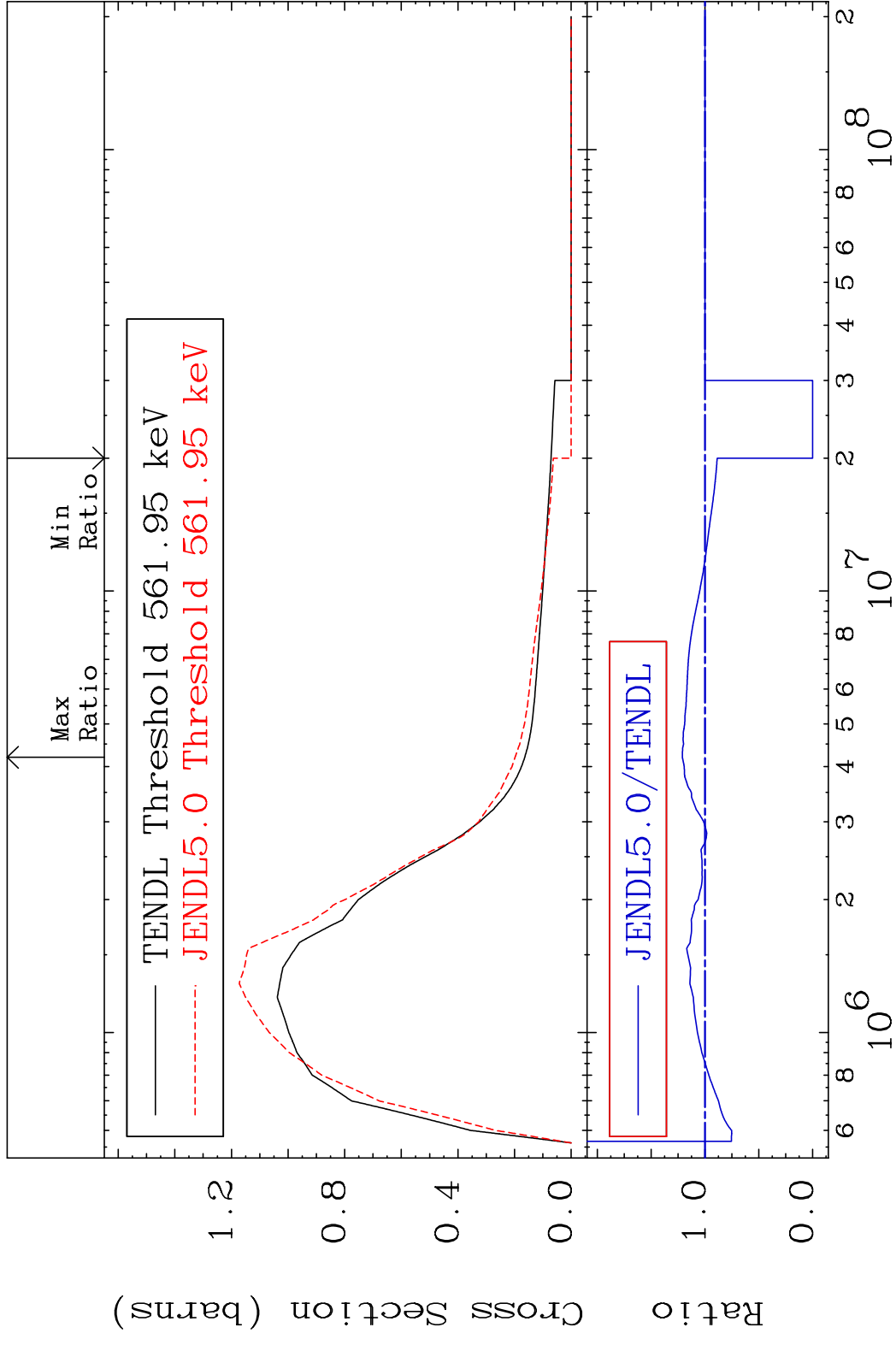


10 Incident Energy (eV) 46-Pd-102

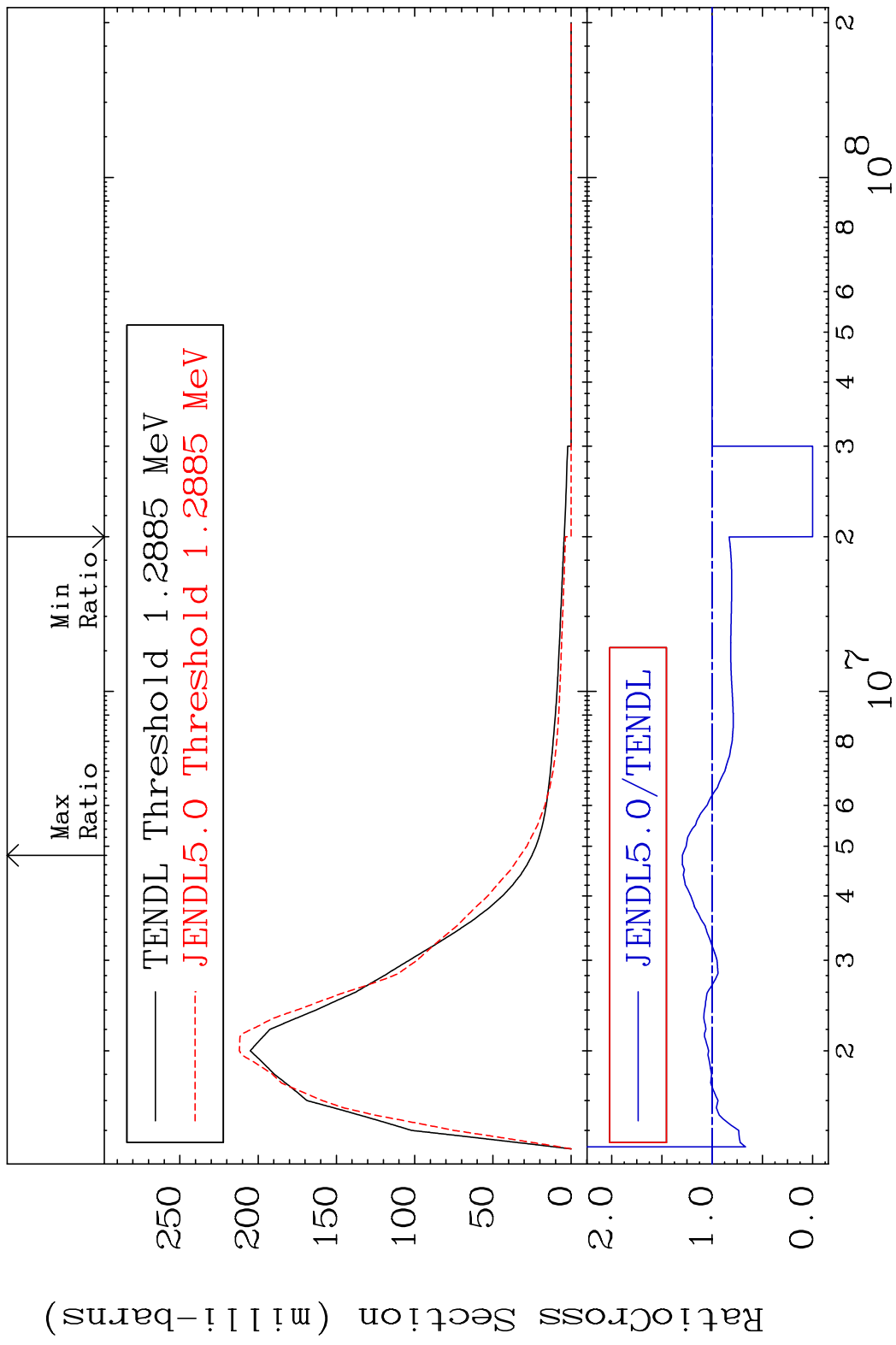
MAT 4625 (n,2n) p 46-Pd-102
 Cross Section -100.0 To 423.8 %



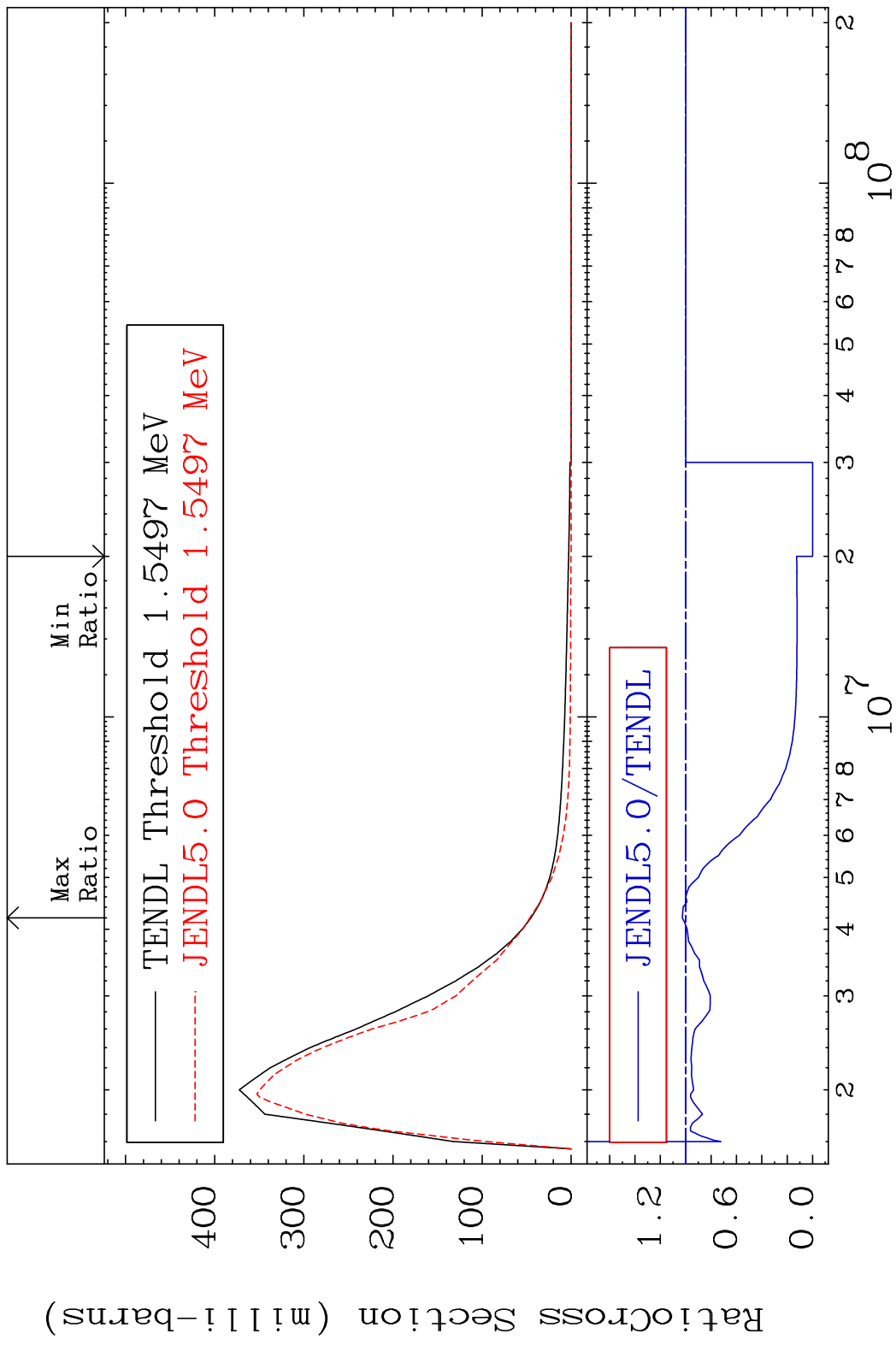
MAT 4625 MT= 51 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 20.94 %



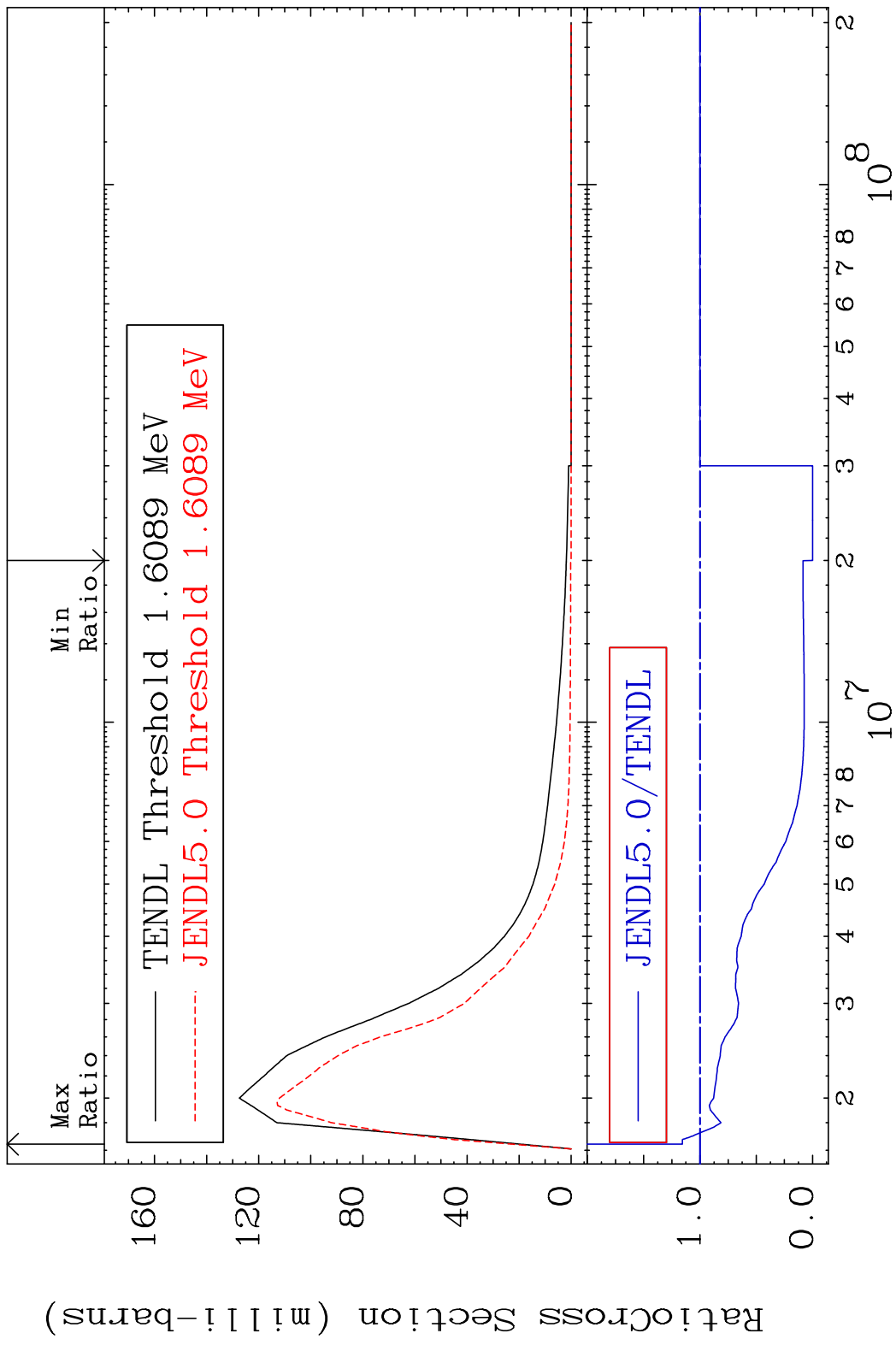
MAT 4625 MT= 52 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 29.61 %



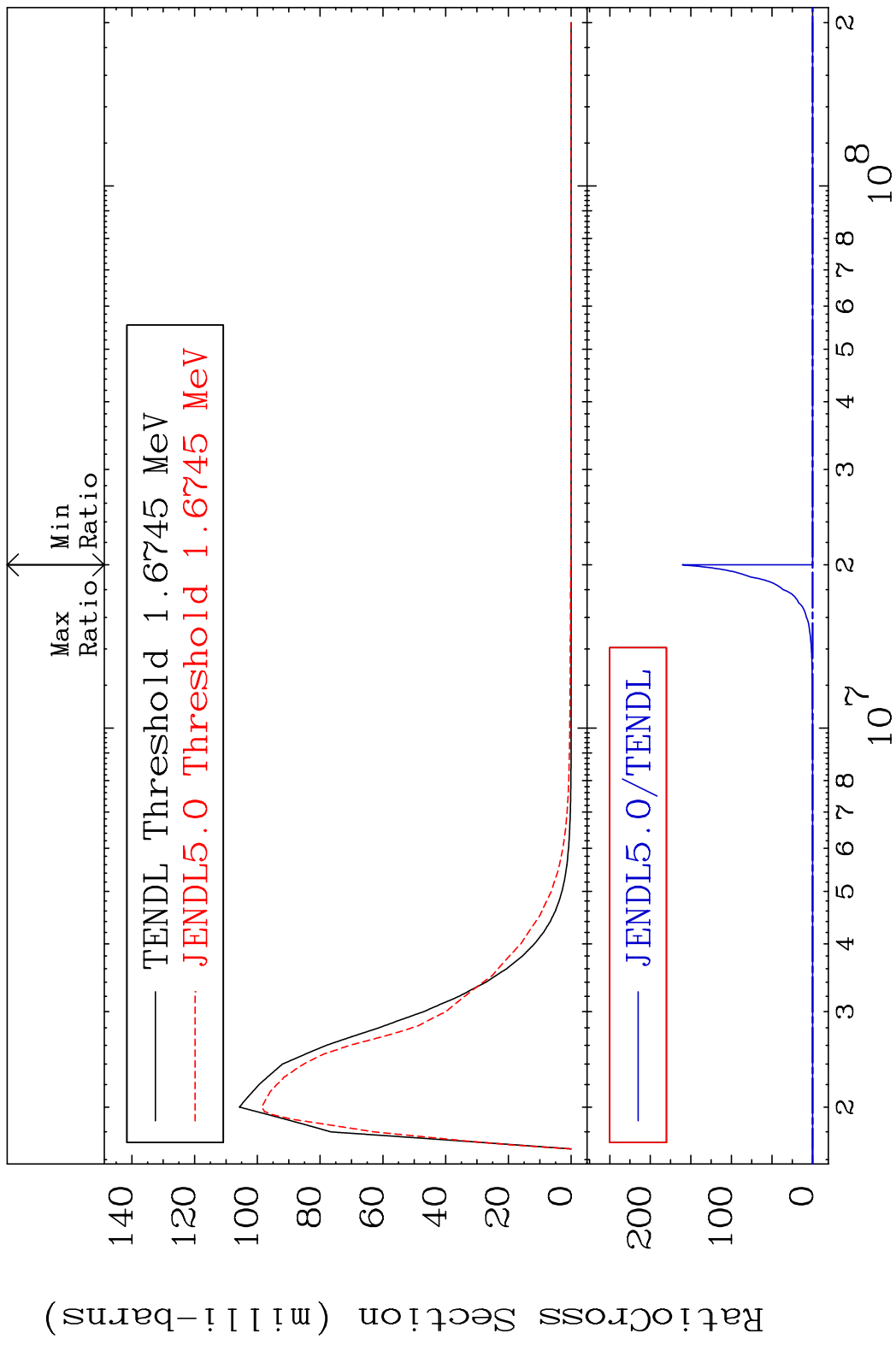
MAT 4625 MT= 53 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 2.660 %



MAT 4625 MT= 54 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 15.64 %

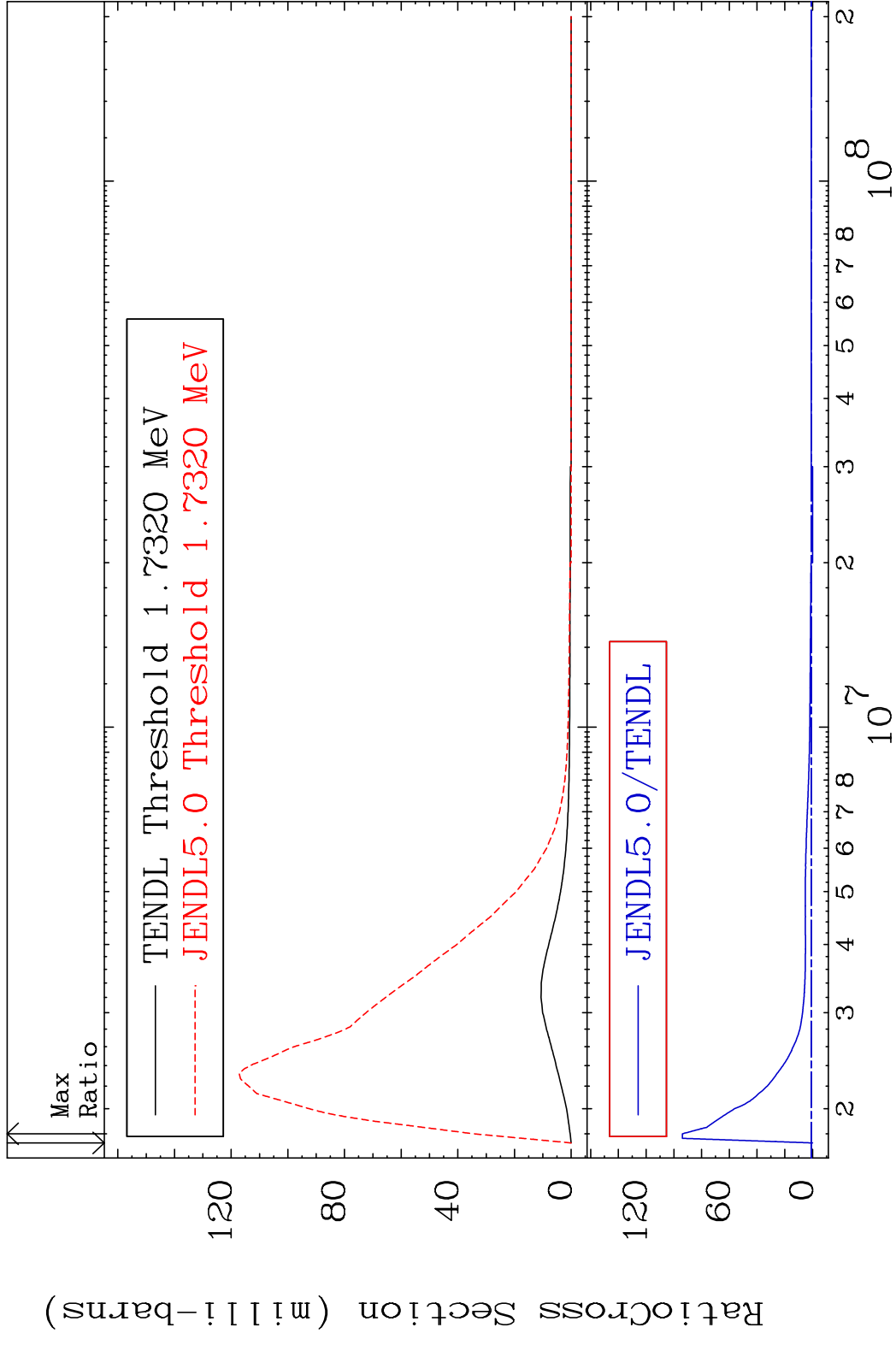


MAT 4625 MT= 55 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %

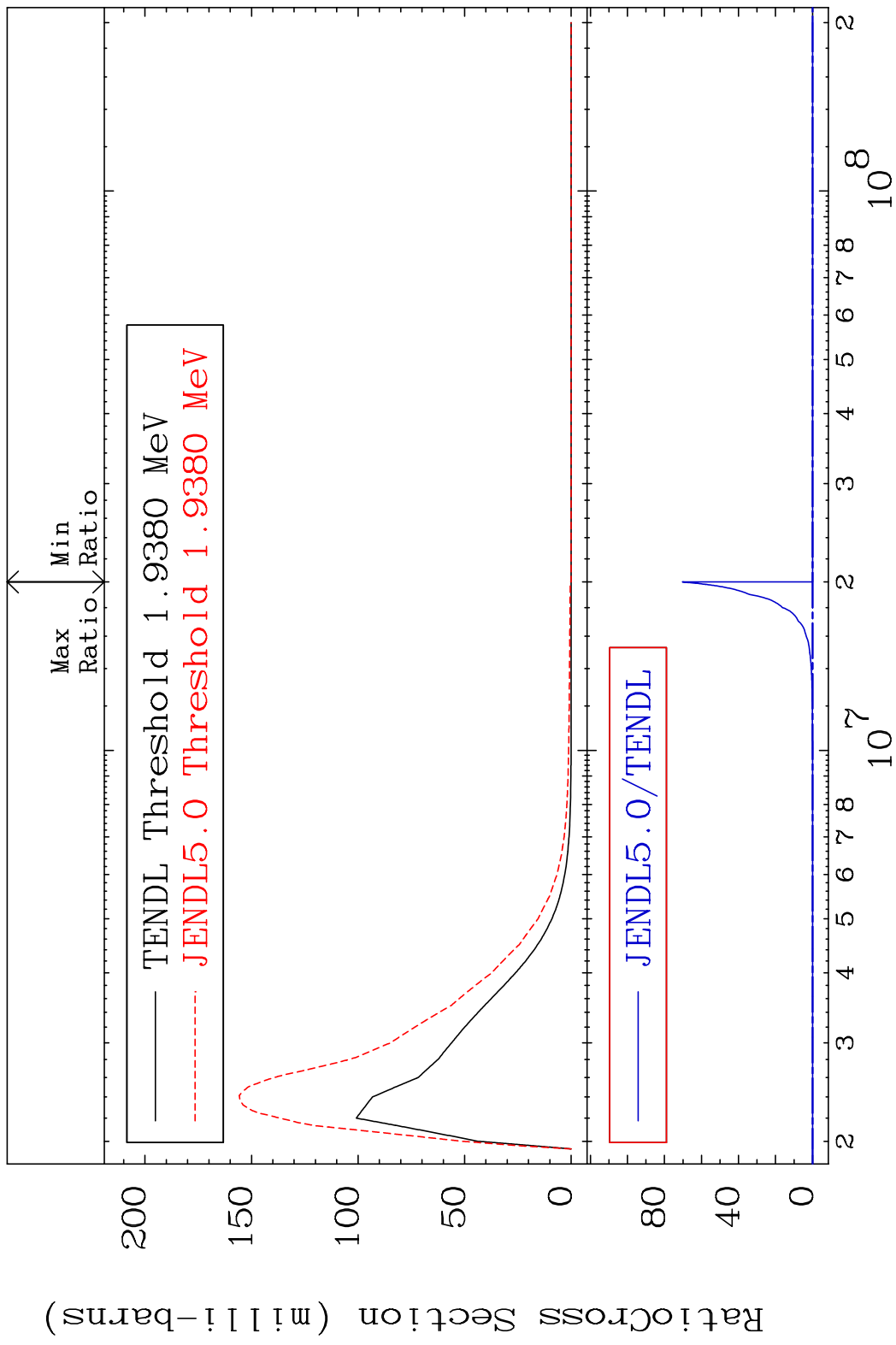


16 Incident Energy (eV) 46-Pd-102

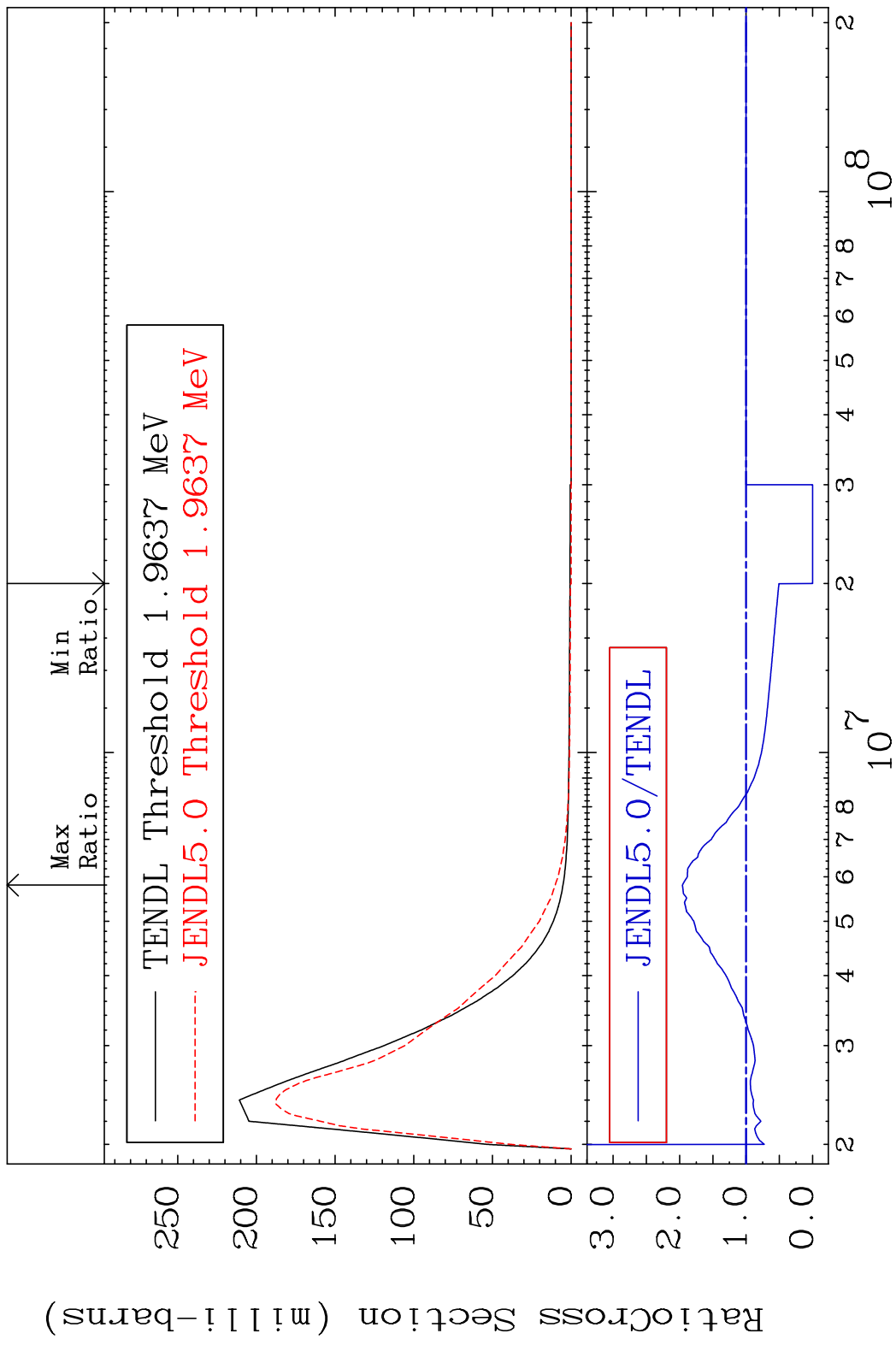
MAT 4625 MT= 56 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 9287. %



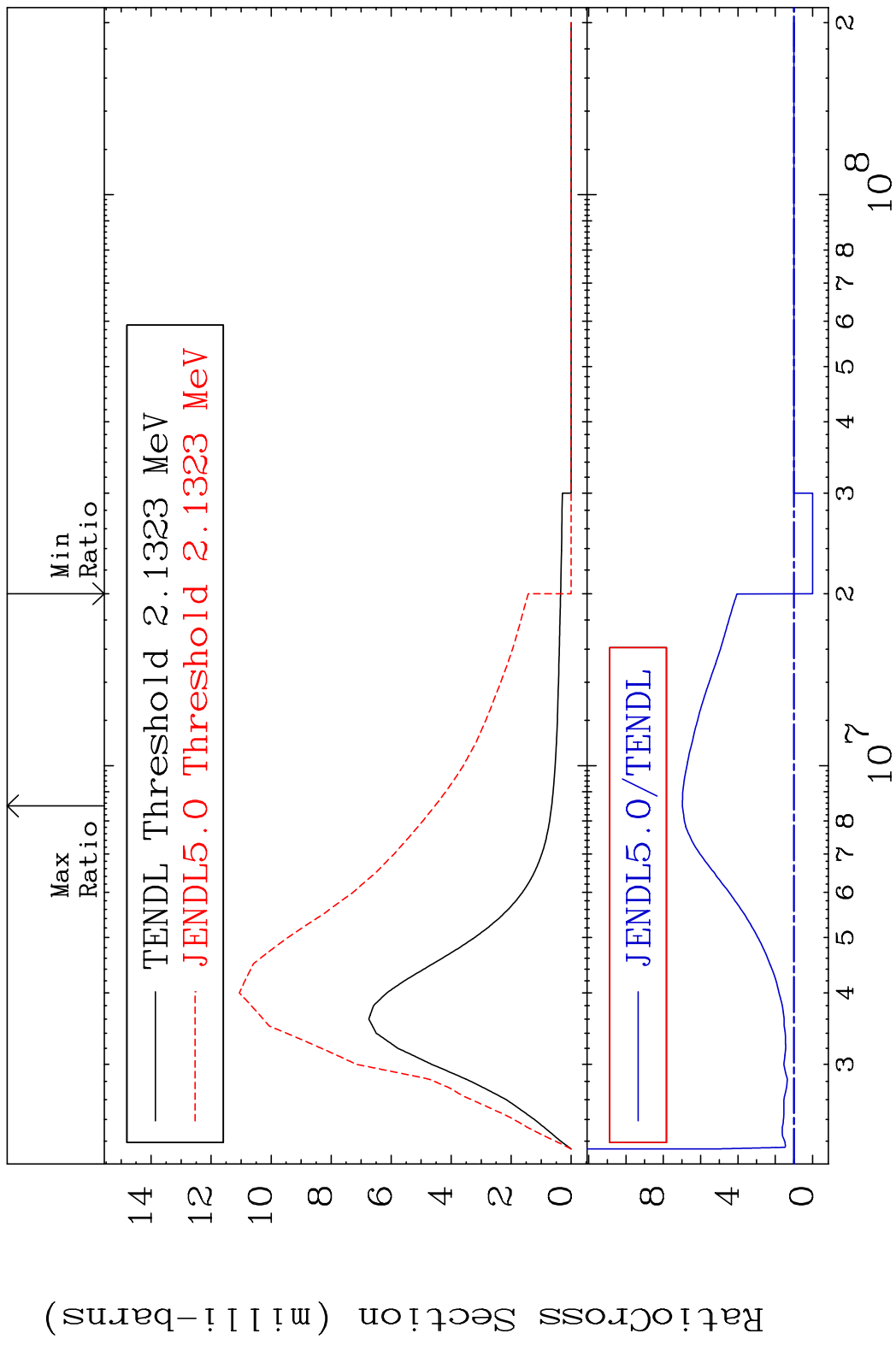
MAT 4625 MT= 57 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



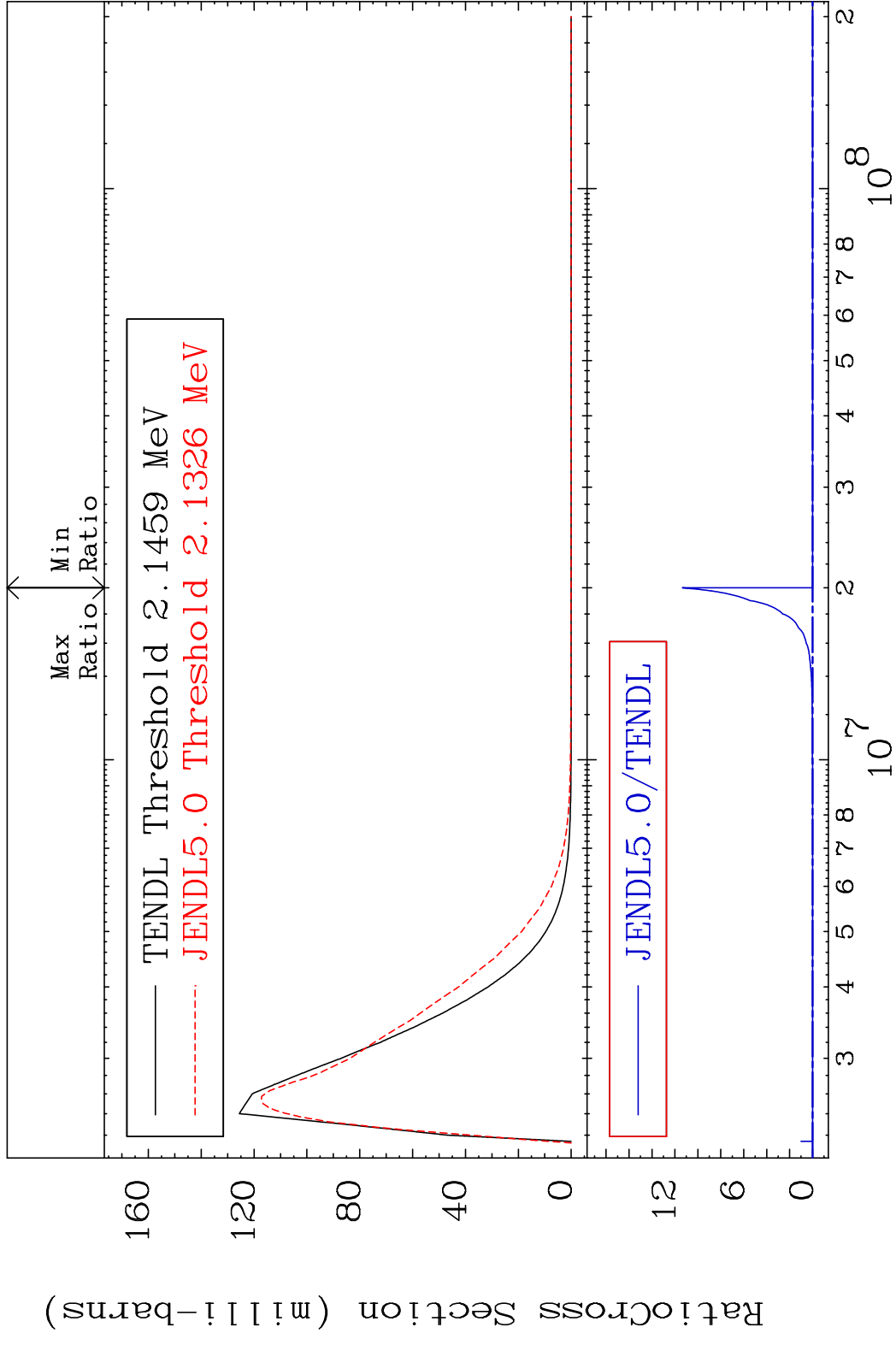
MAT 4625 MT= 58 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 95.85 %



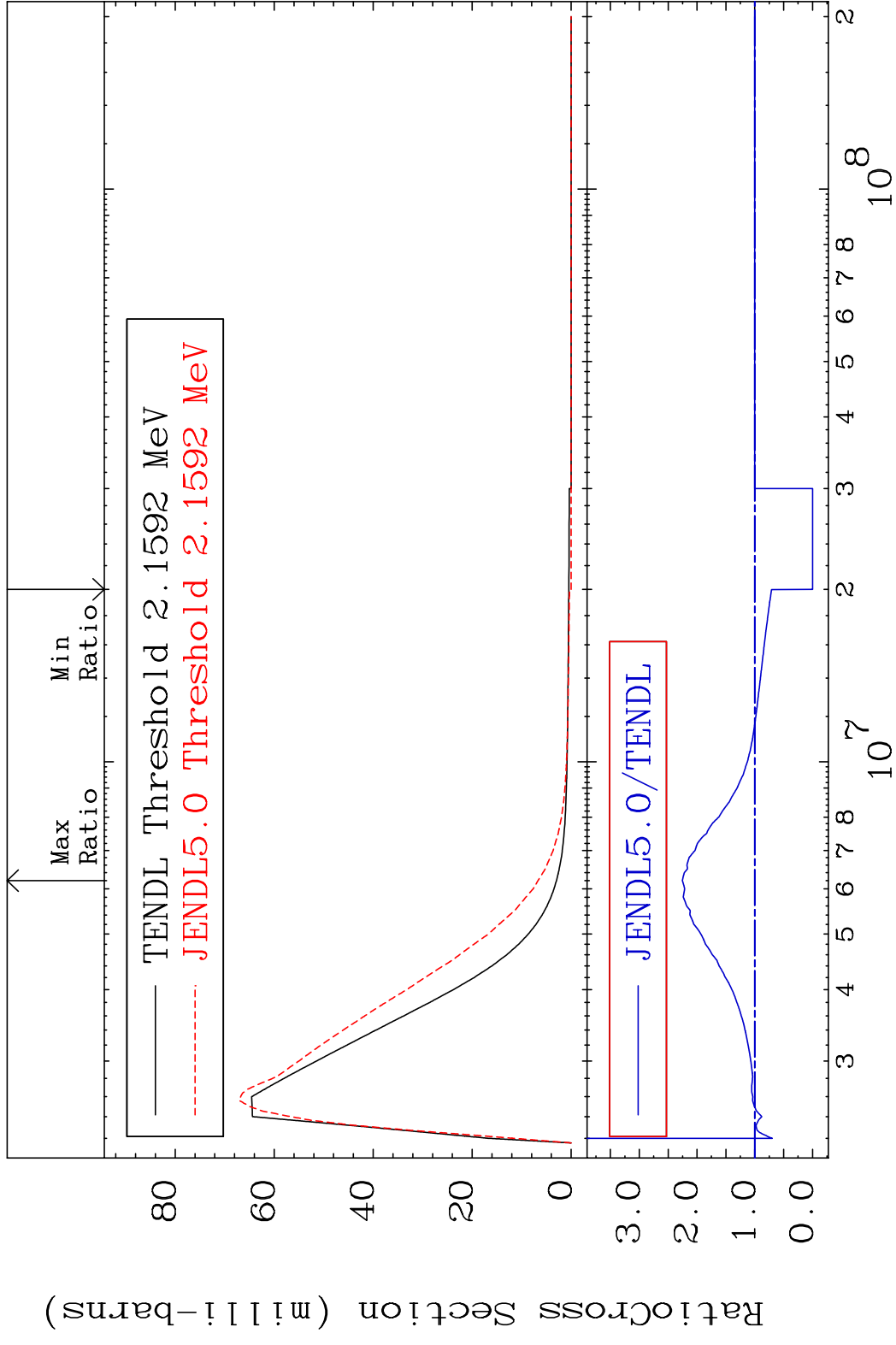
MAT 4625 MT= 59 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 597.8 %



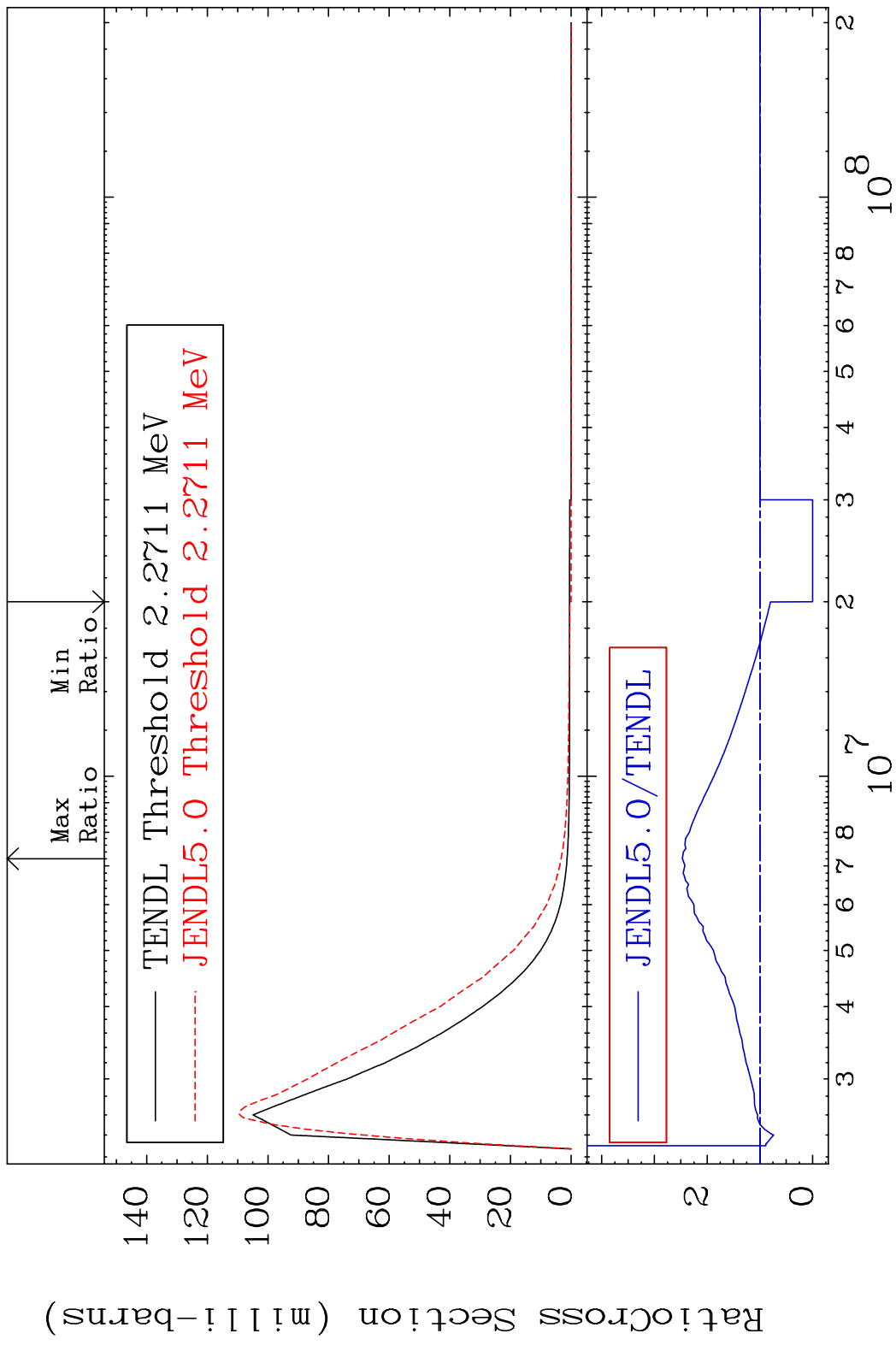
MAT 4625 MT= 60 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 MT= 61 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 125.4 %

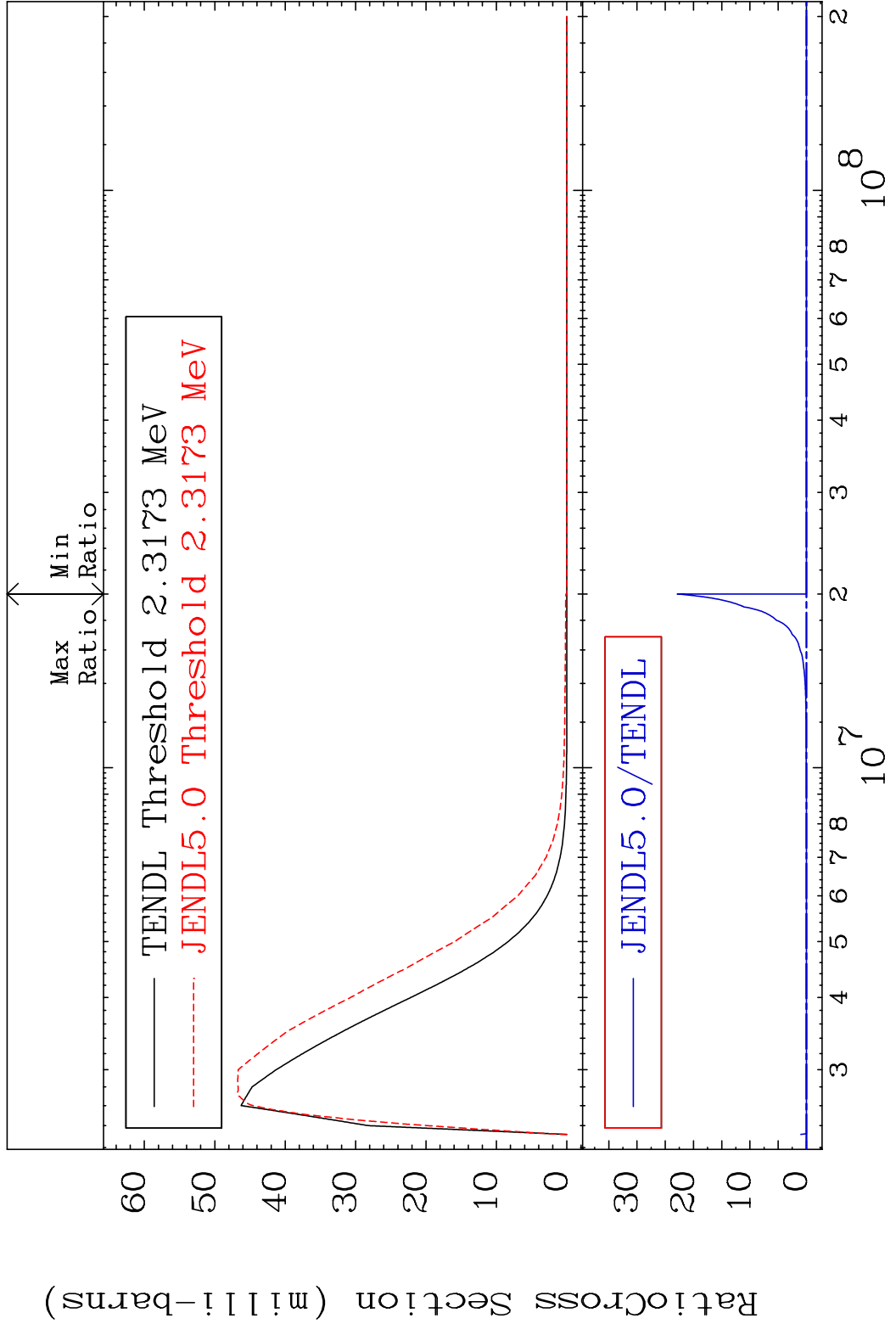


MAT 4625 MT= 62 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 147.0 %

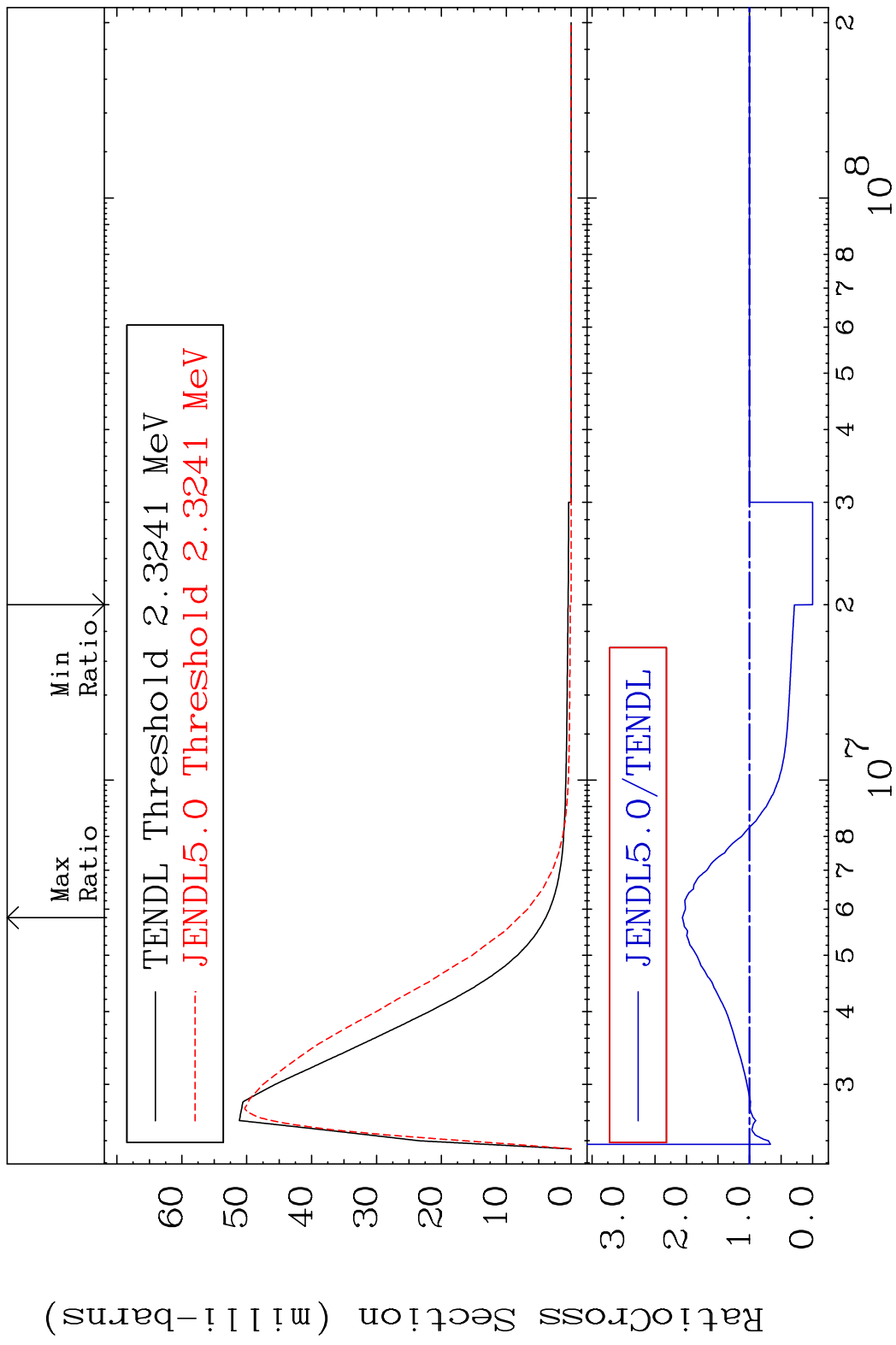


23 Incident Energy (eV) 46-Pd-102

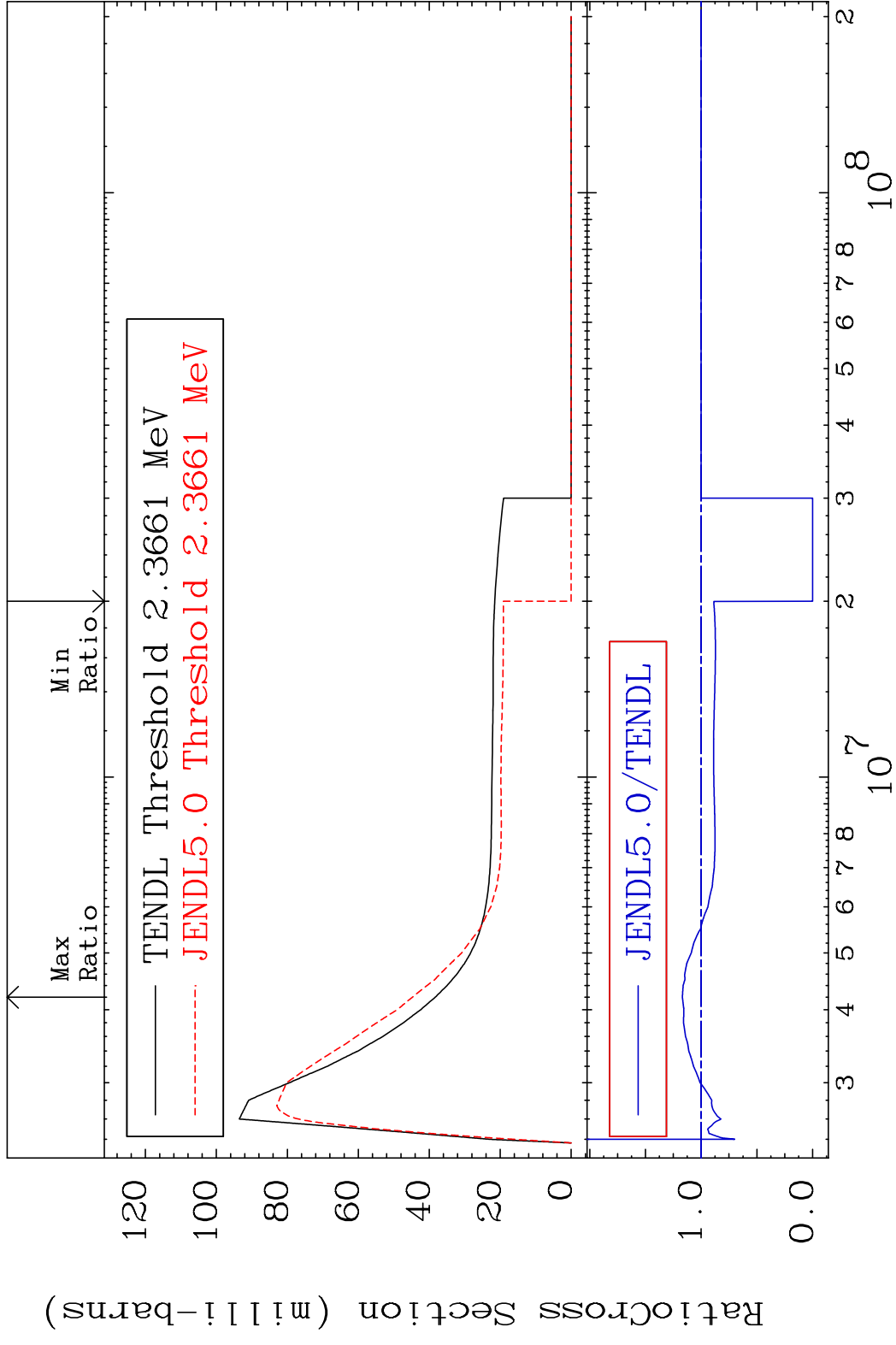
MAT 4625 MT= 63 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 9999. %



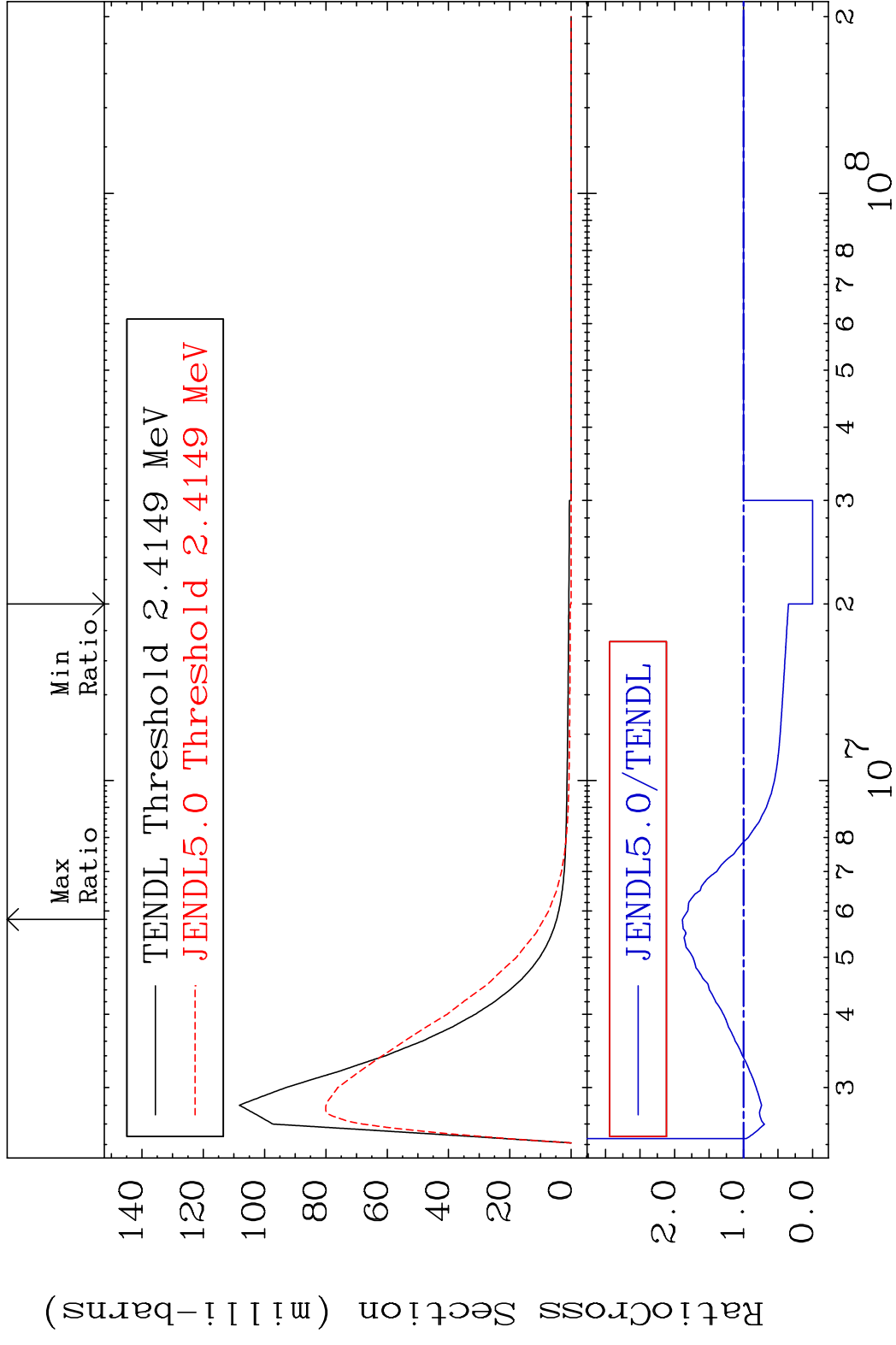
MAT 4625 MT= 64 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 106.6 %



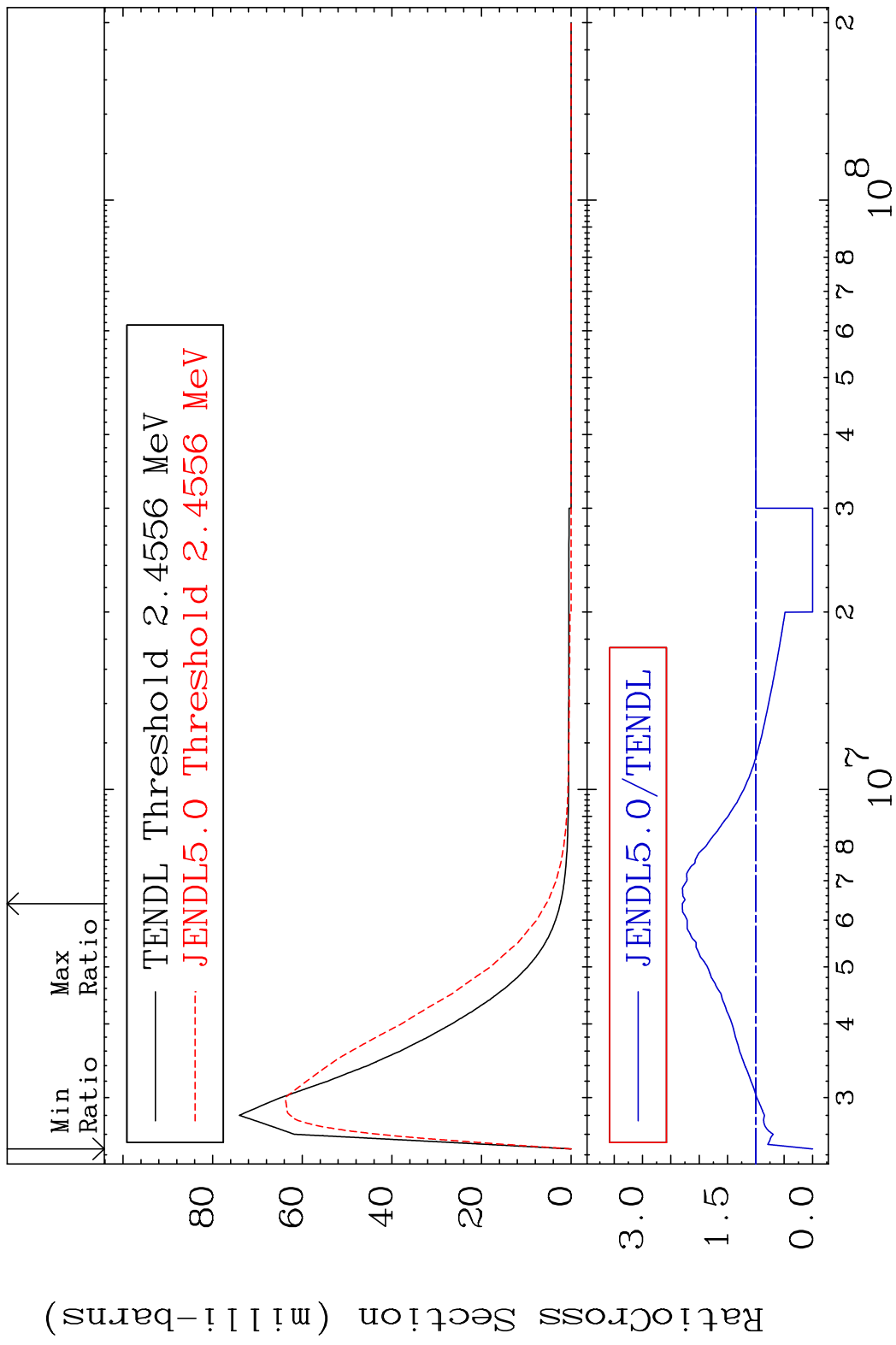
MAT 4625 MT= 65 (n, n') Level 46-Pd-102
 Cross Section -100.0 To 16.90 %



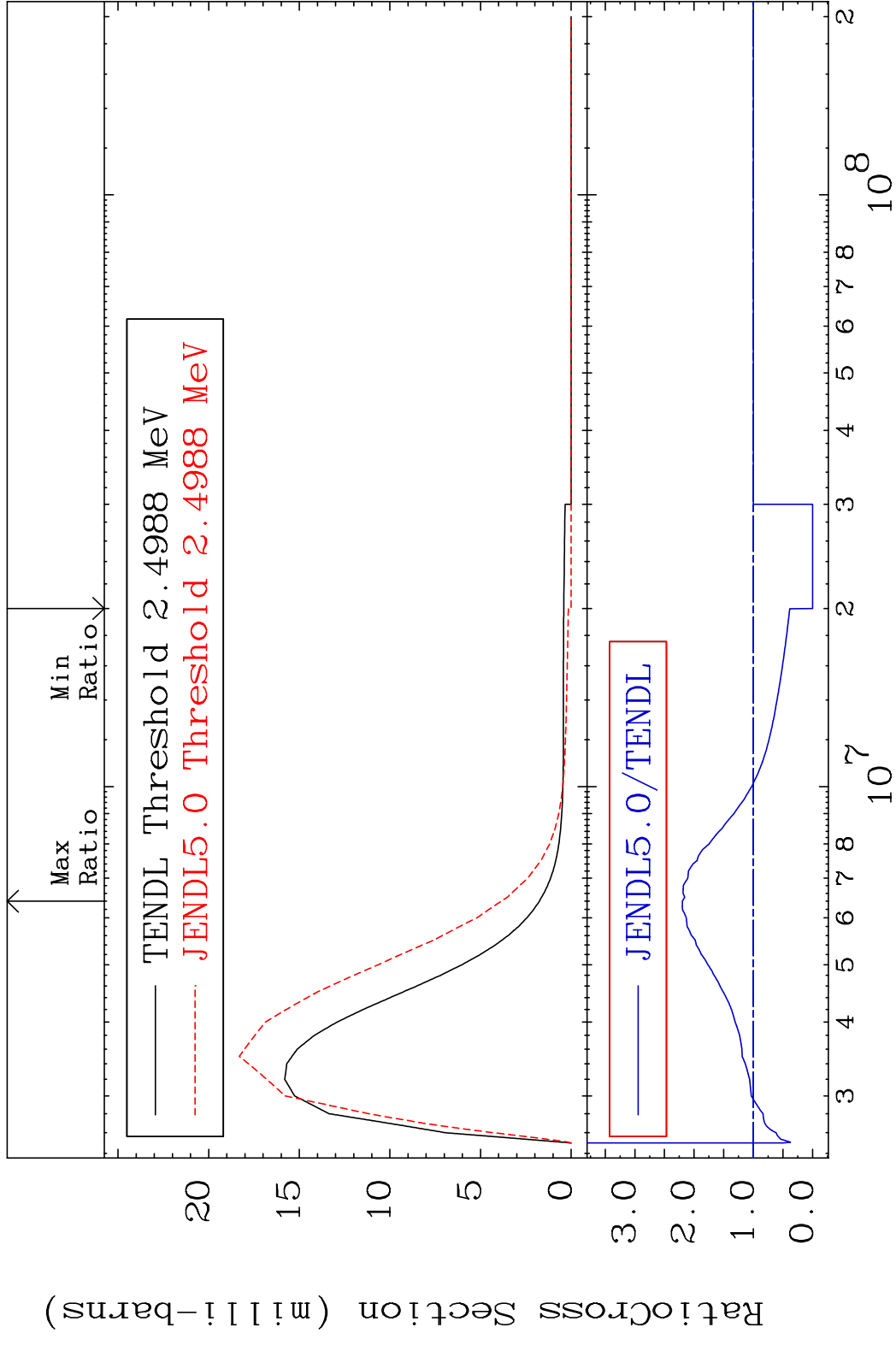
MAT 4625 MT= 66 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 88.69 %



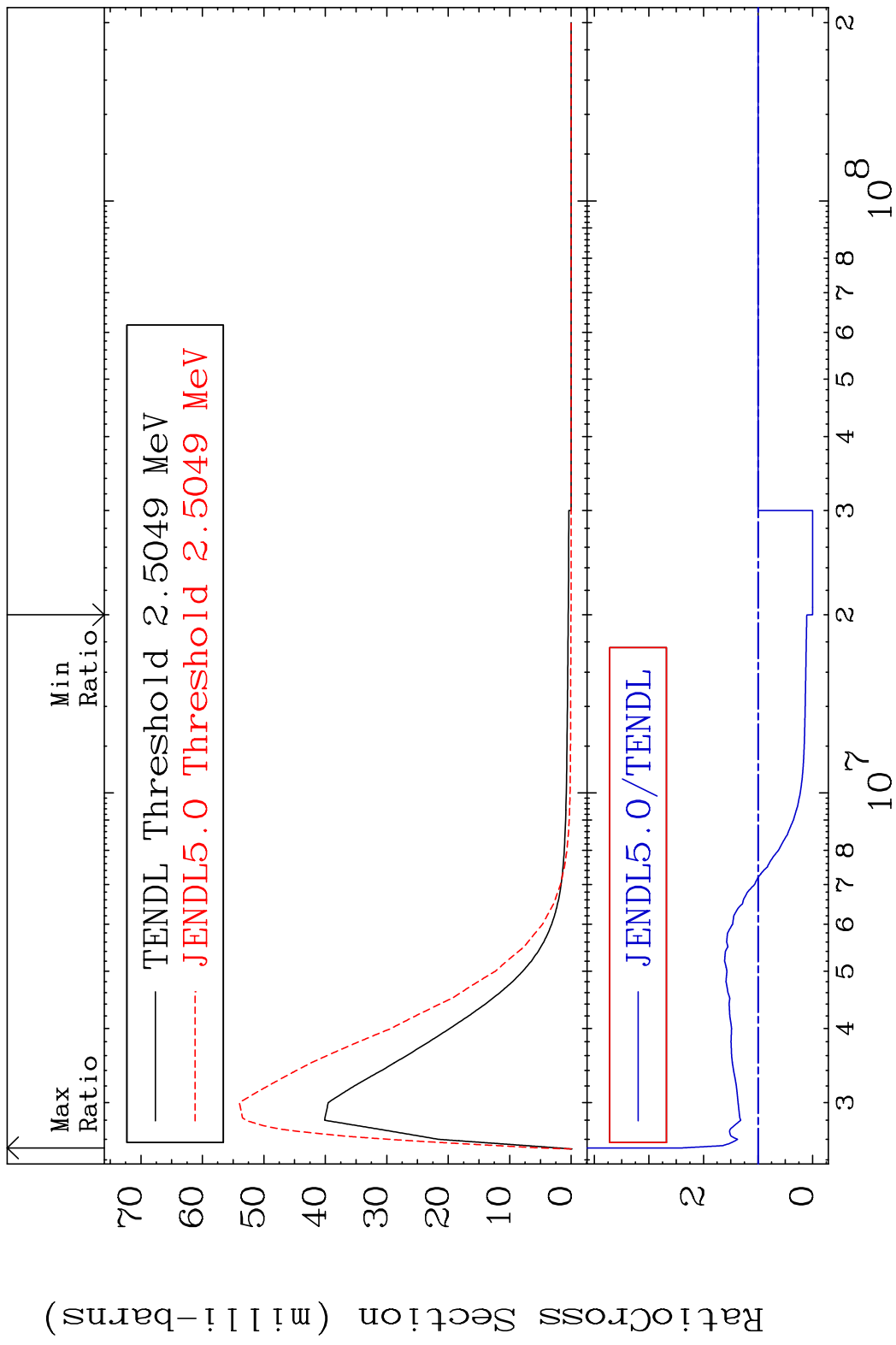
MAT 4625 MT= 67 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 129.6 %



MAT 4625 MT= 68 (n,n') Level 46-Pd-102
 Cross Section -100.0 To 119.8 %



MAT 4625 MT= 69 (n,n') Level 46-Pd-102
Cross Section -100.0 To 138.8 %



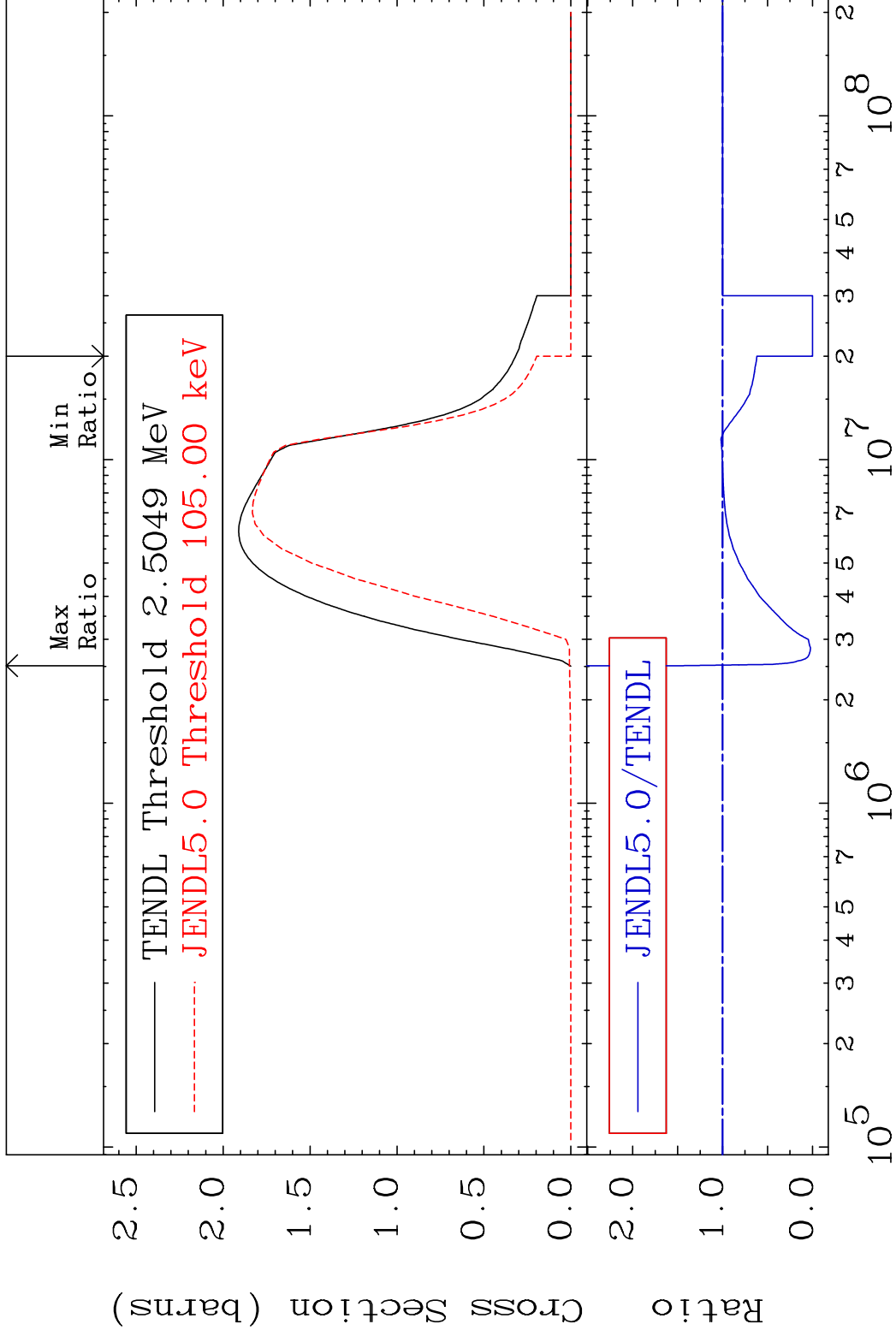
30 Incident Energy (eV) 46-Pd-102

MAT 4625

(n,n') Continuum

46-Pd-102

Cross Section -100.0 To 44.98 %



31

Incident Energy (eV)

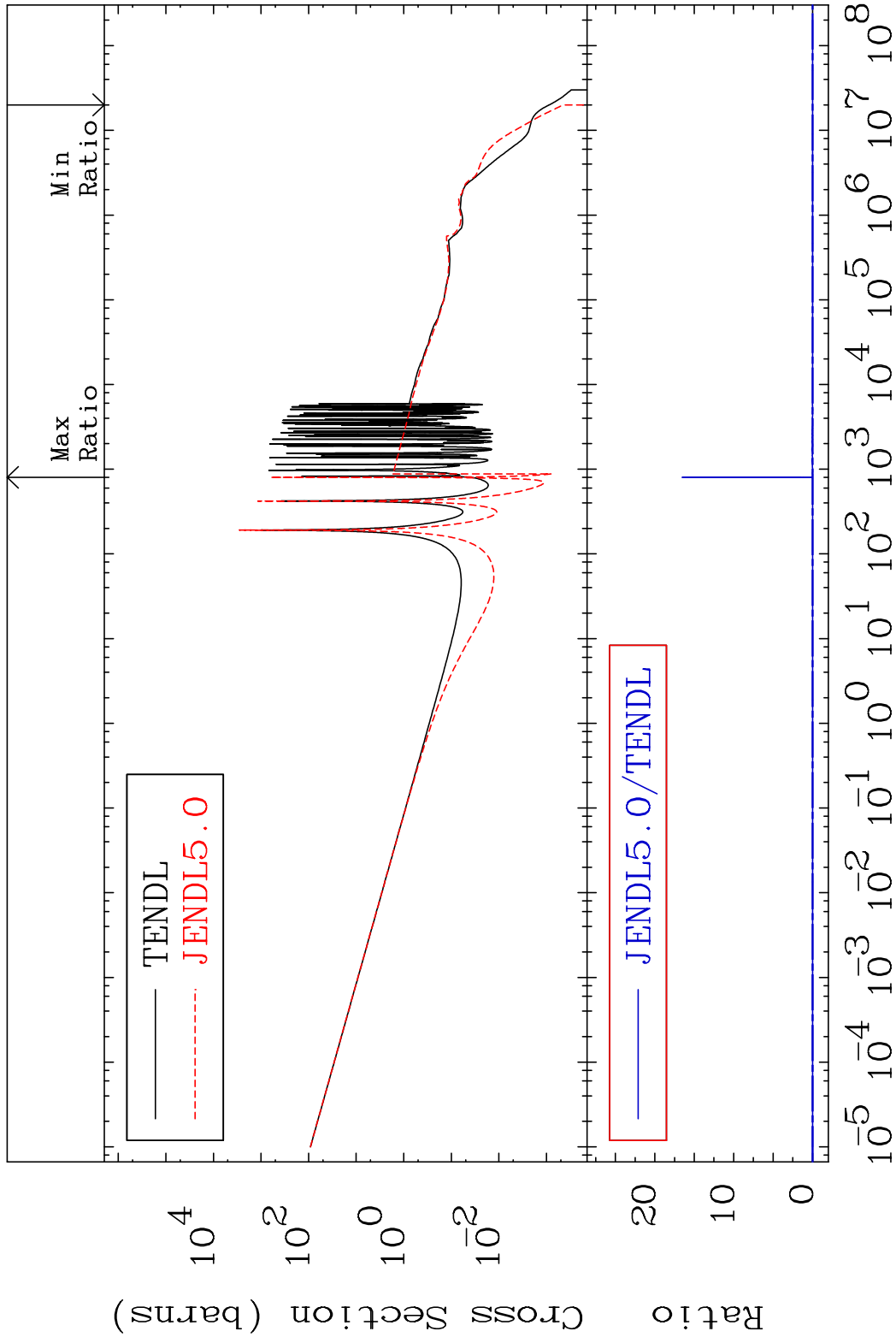
46-Pd-102

MAT 4625

(n, γ)

46-Pd-102

Cross Section -100.0 To 9999. %

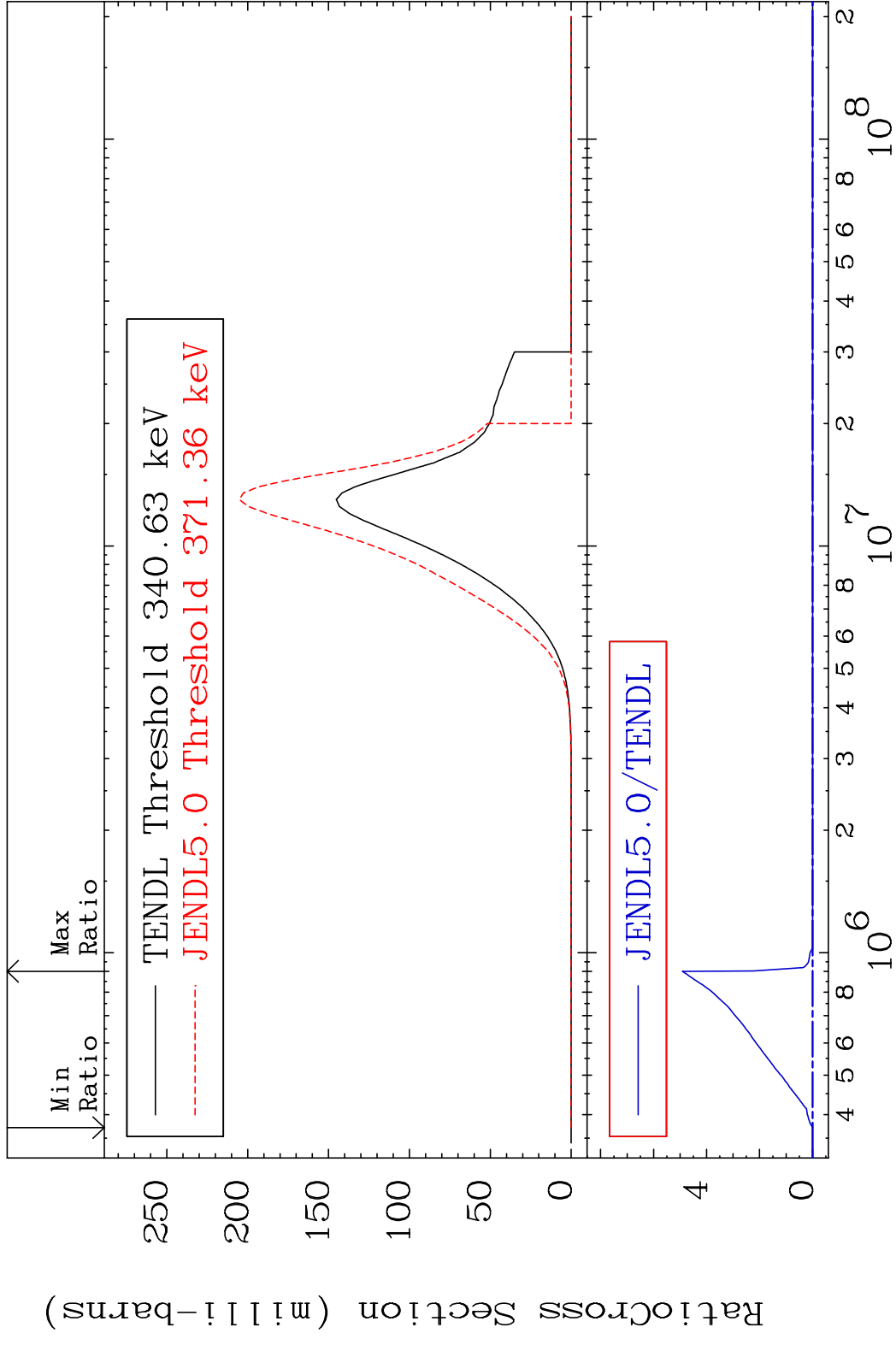


32

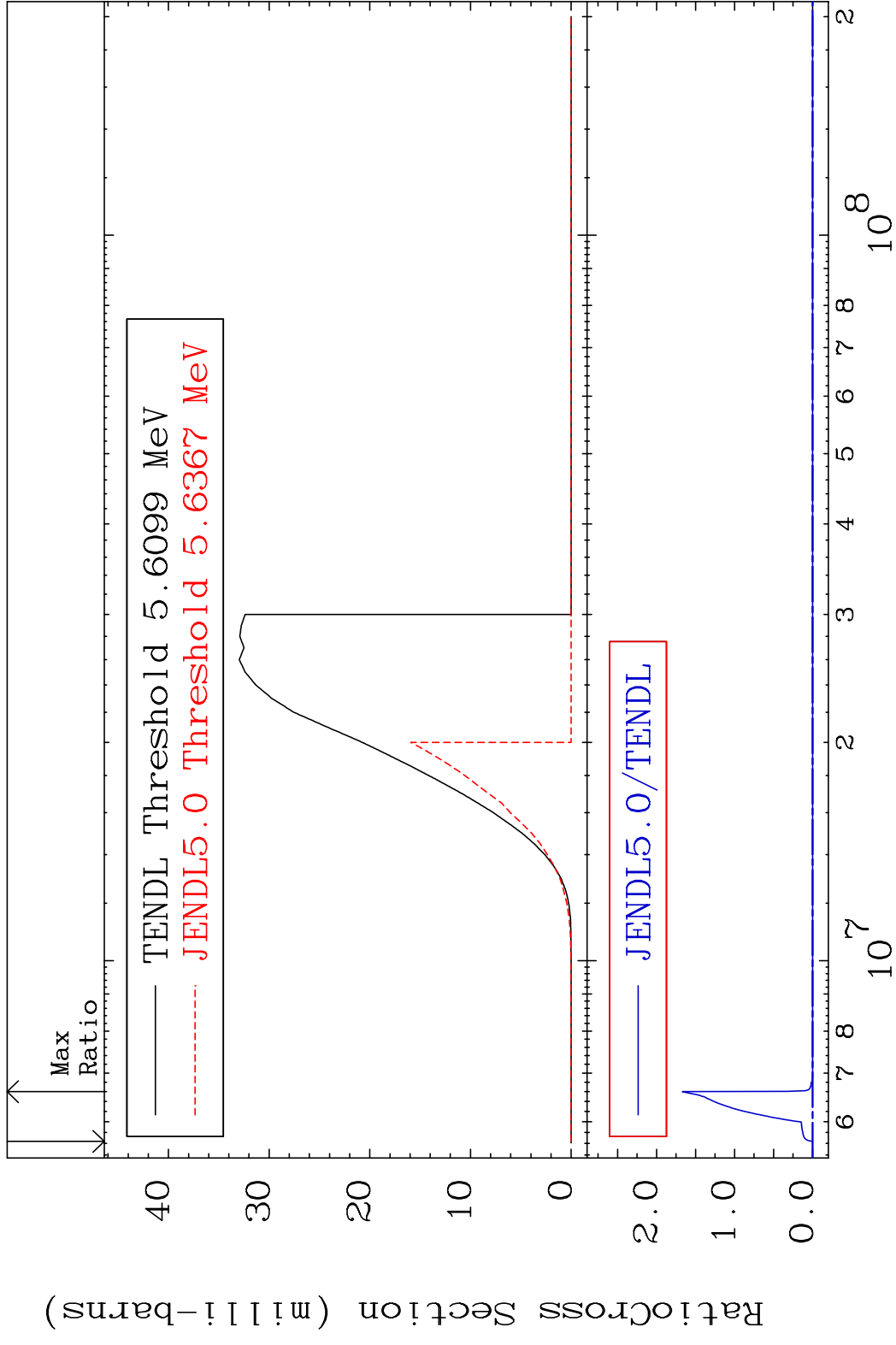
Incident Energy (eV)

46-Pd-102

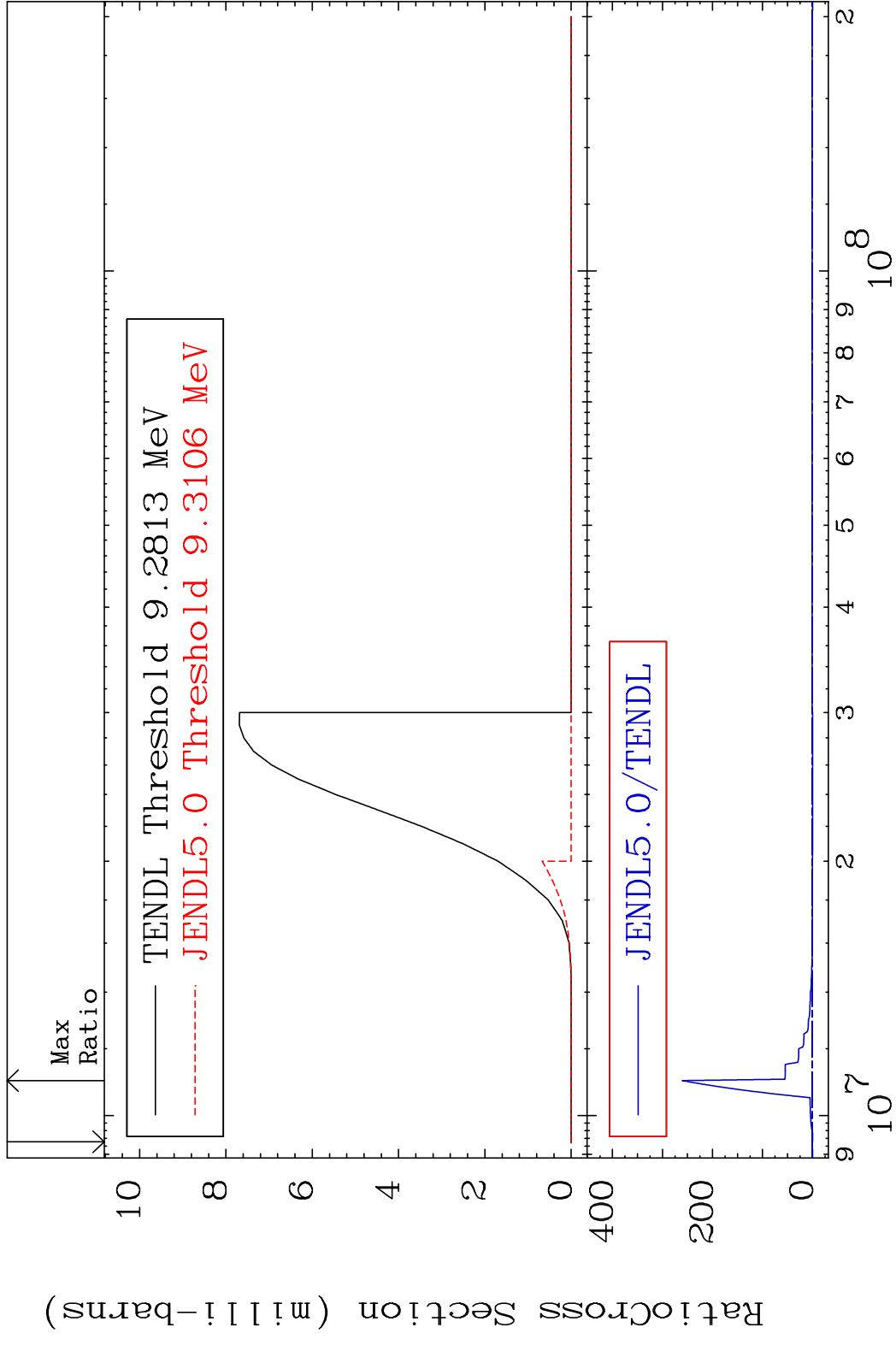
MAT 4625 (n,p) 46-Pd-102
 Cross Section -100.0 To 9999. %



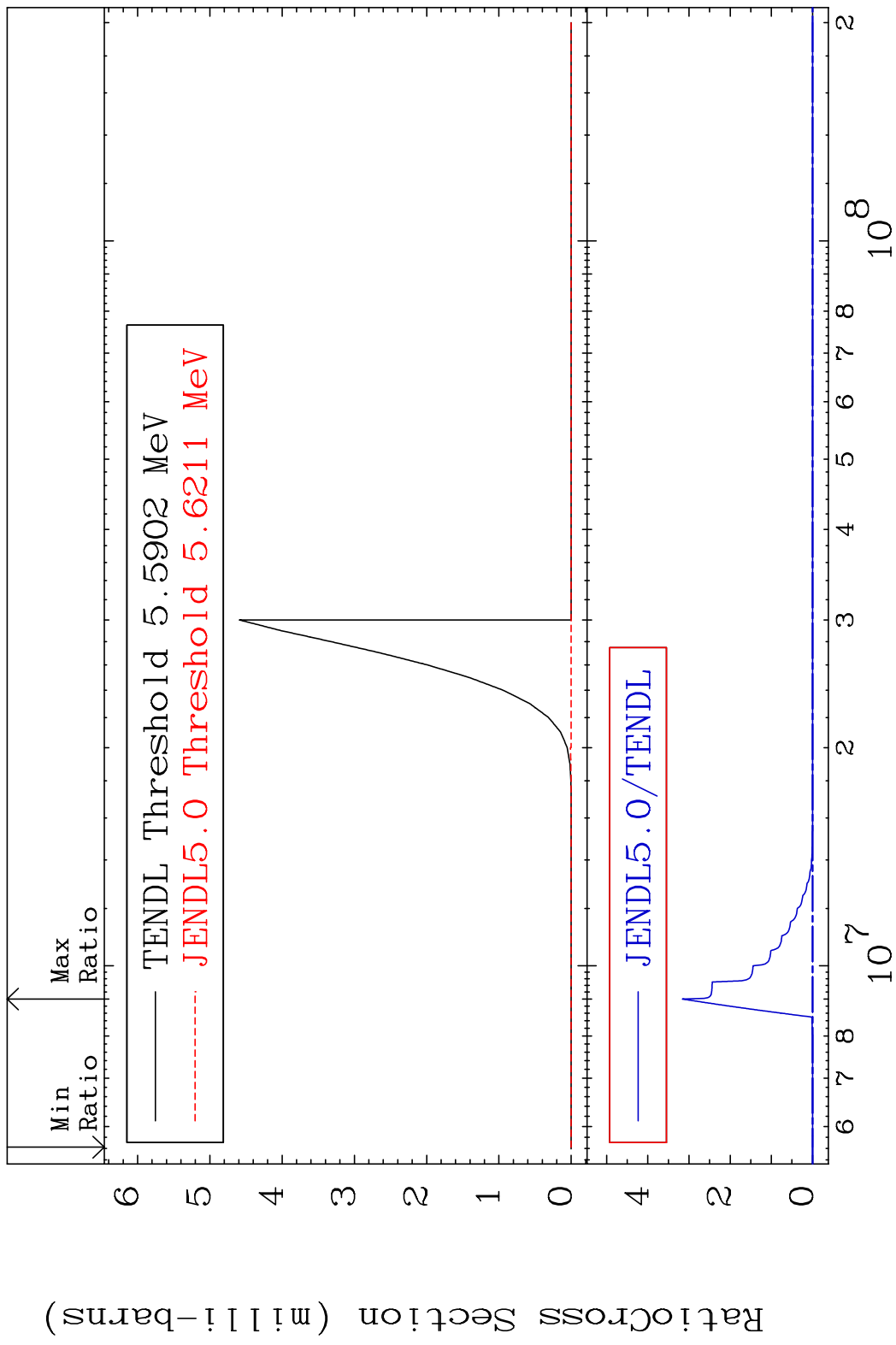
MAT 4625 (n,d) 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 (n, t) 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 (n, He-3) 46-Pd-102
 Cross Section -100.0 To 9999. %

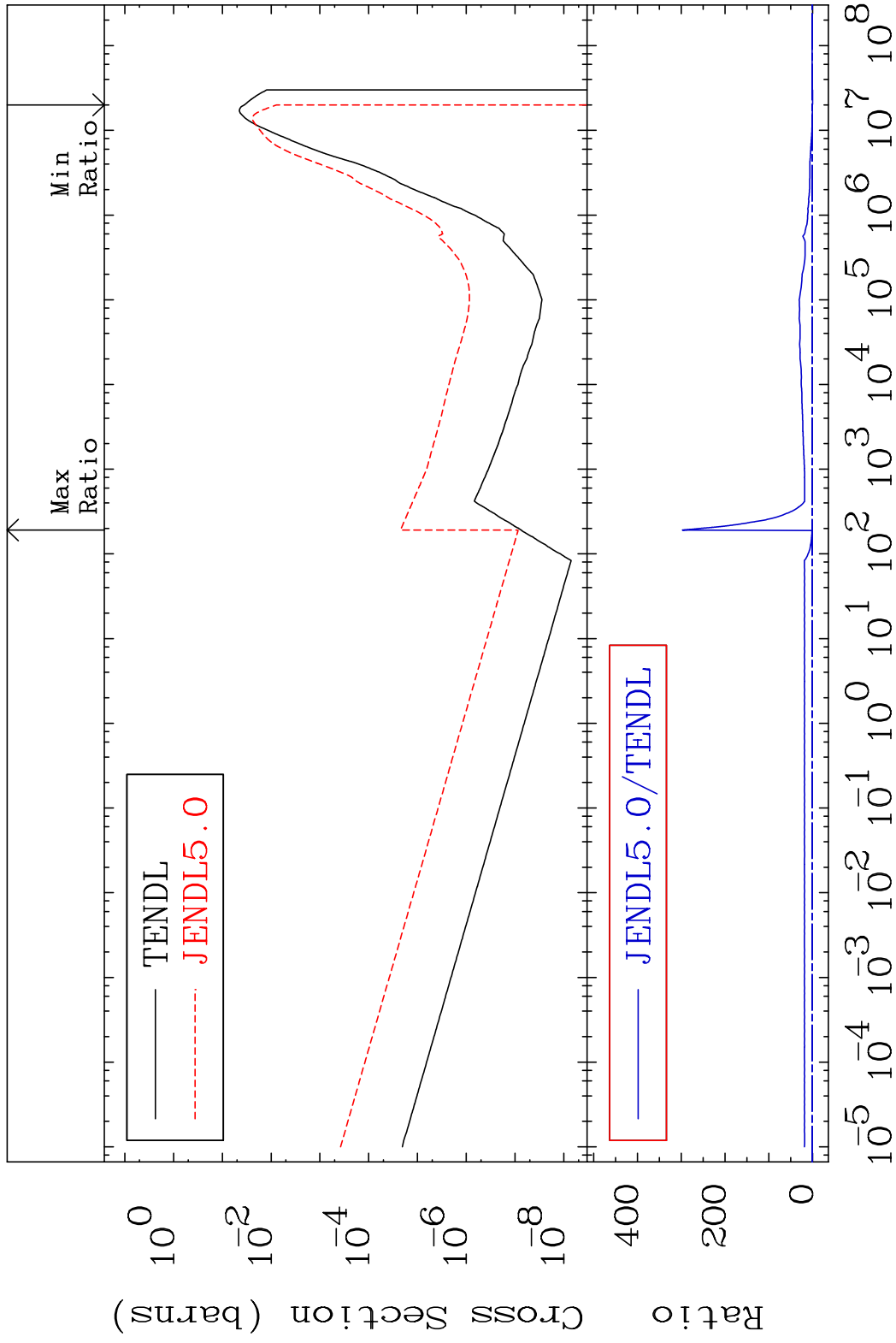


MAT 4625

(n, α)

46-Pd-102

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

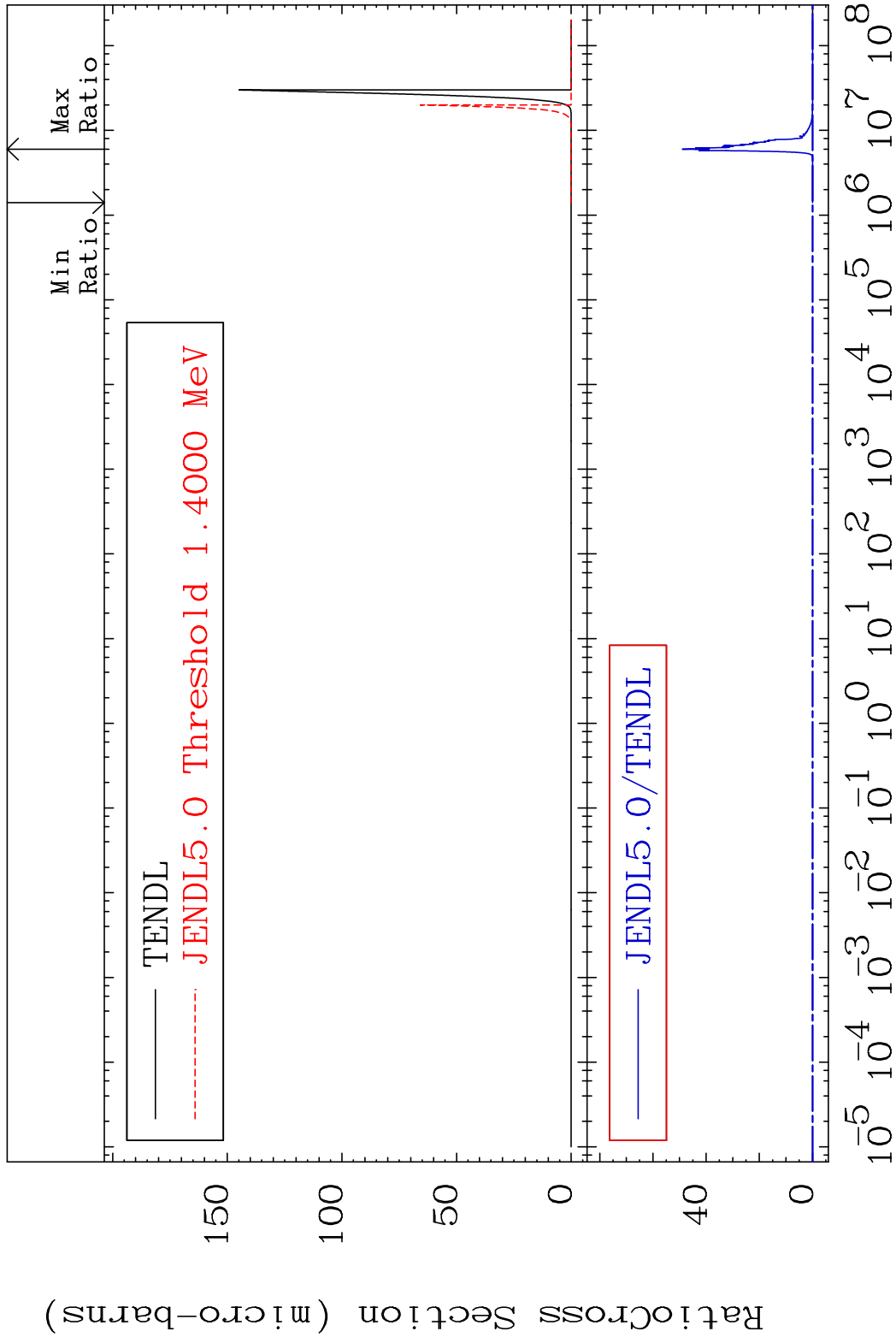
46-Pd-102

MAT 4625

(n,2α)

46-Pd-102

Cross Section -100.0 To 9999. %

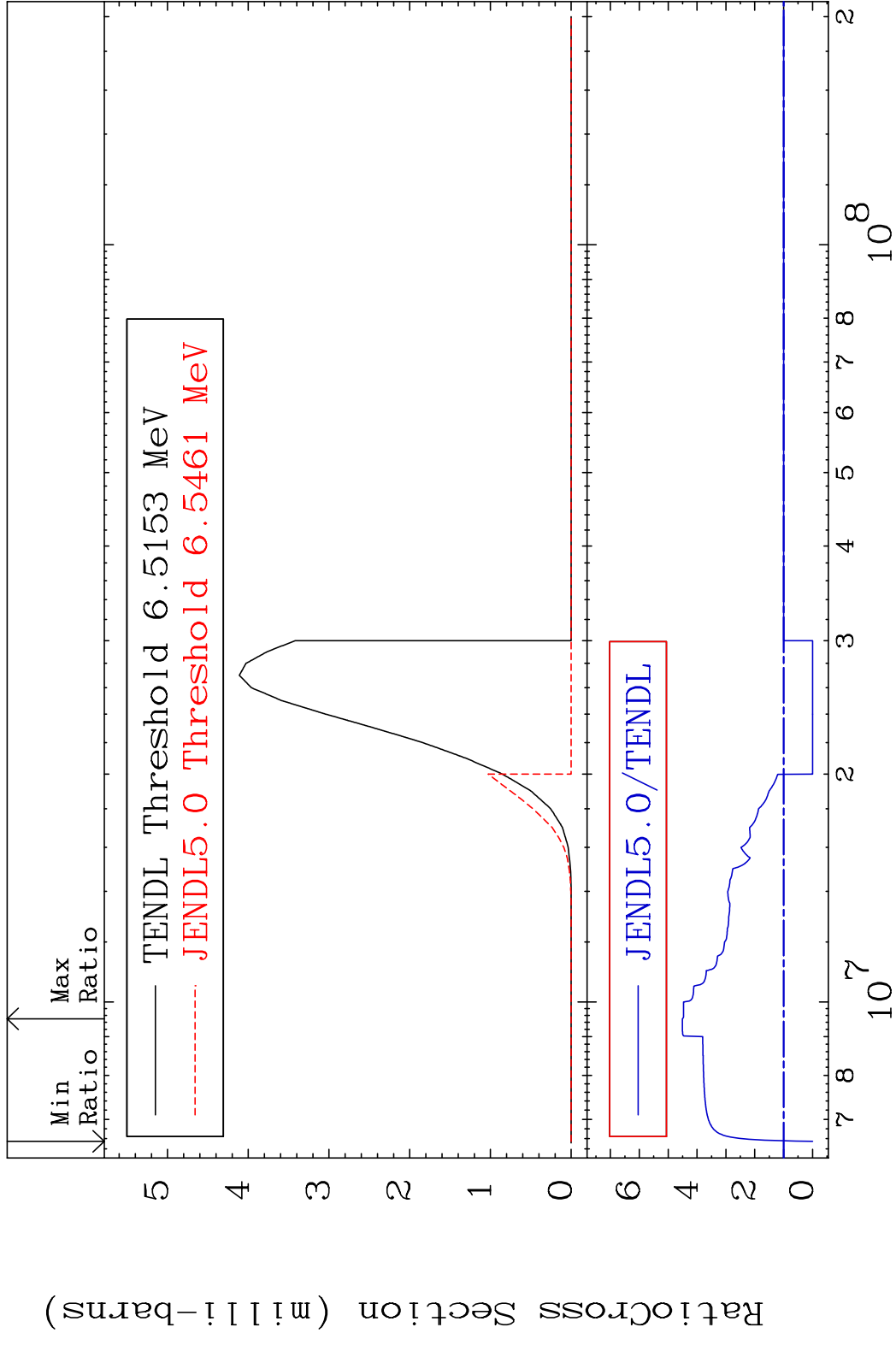


38

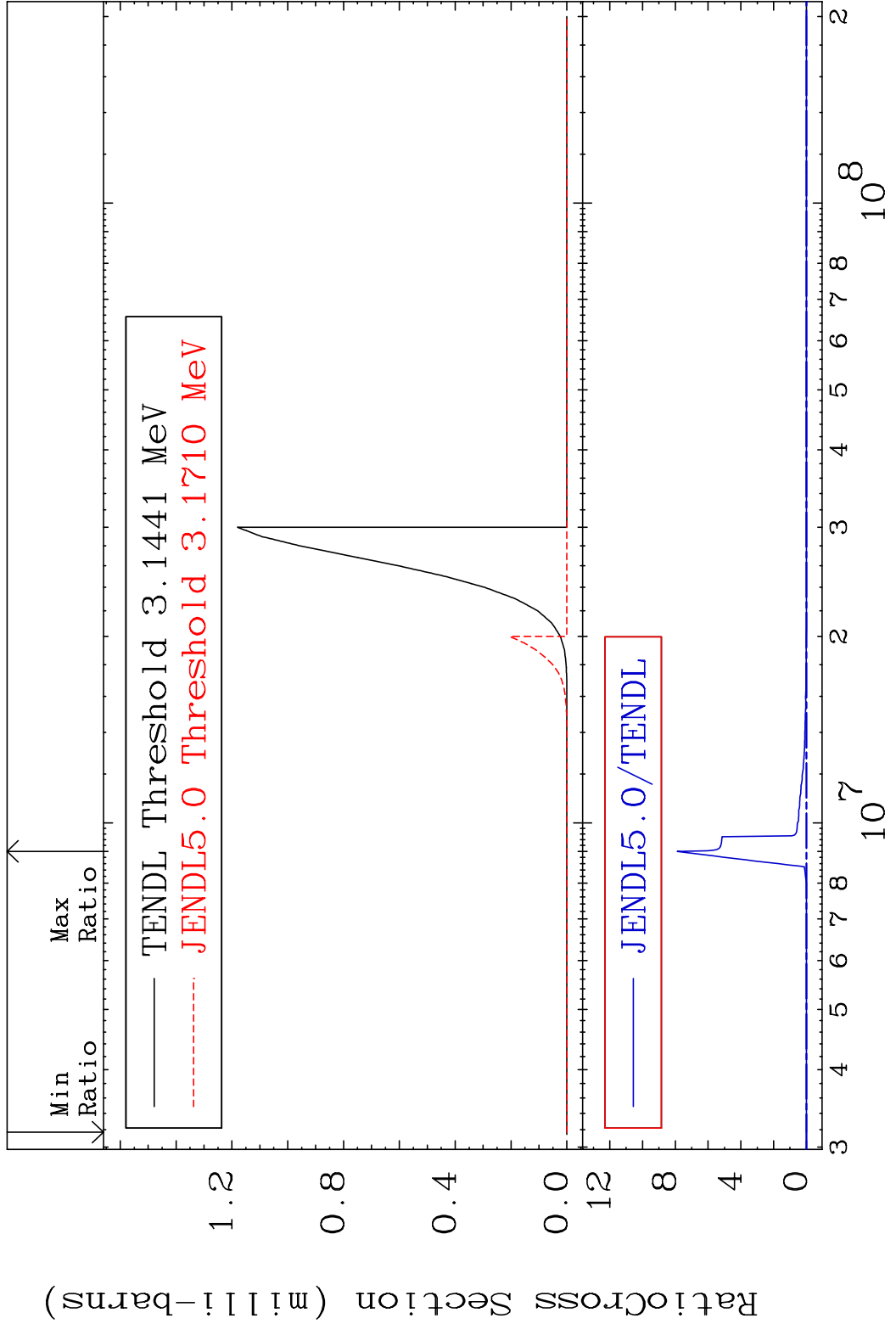
Incident Energy (eV)

46-Pd-102

MAT 4625 (n,2p) 46-Pd-102
 Cross Section -100.0 To 350.8 %

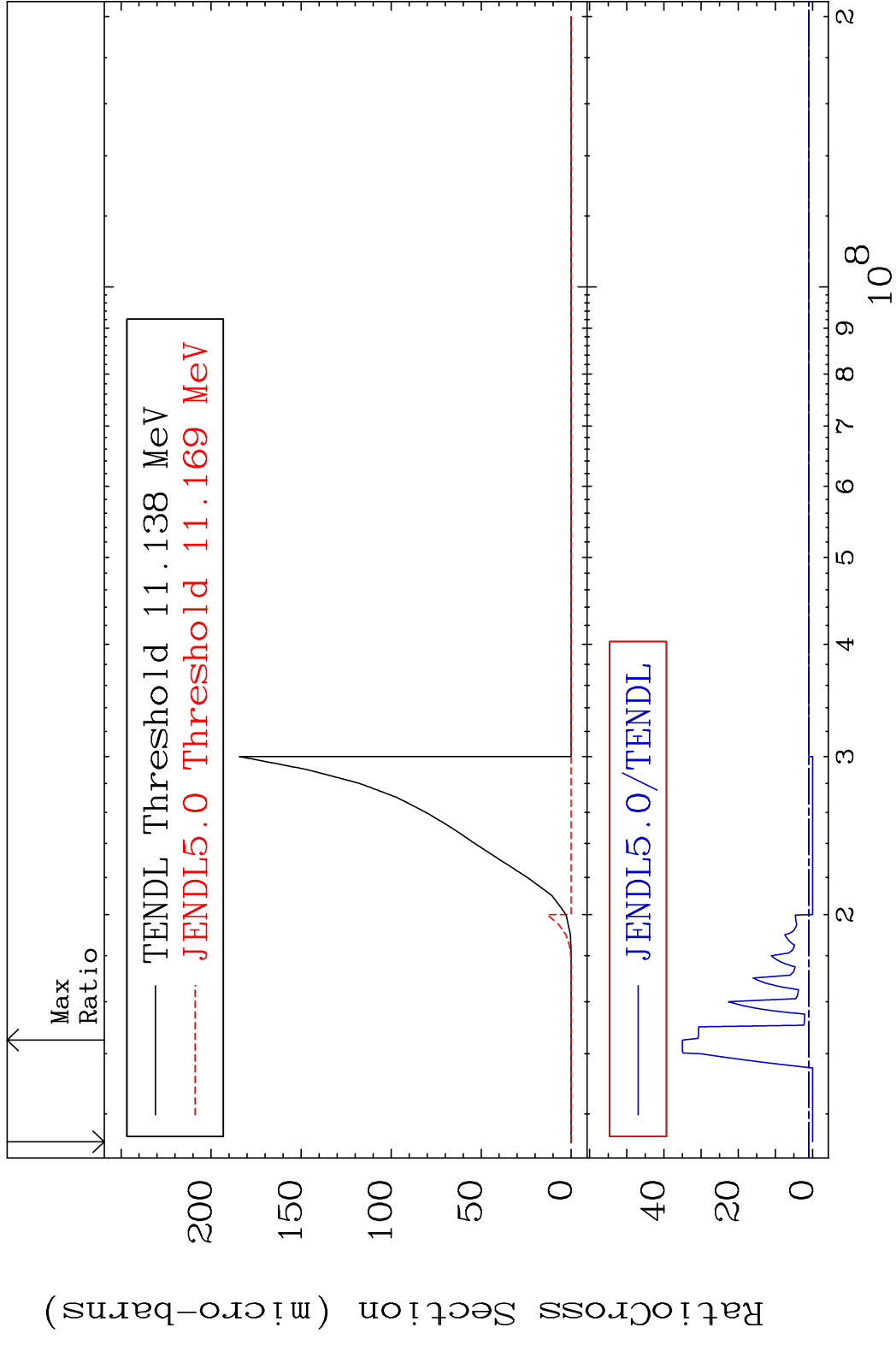


MAT 4625 (n,p) α 46-Pd-102
 Cross Section -100.0 To 9999. %

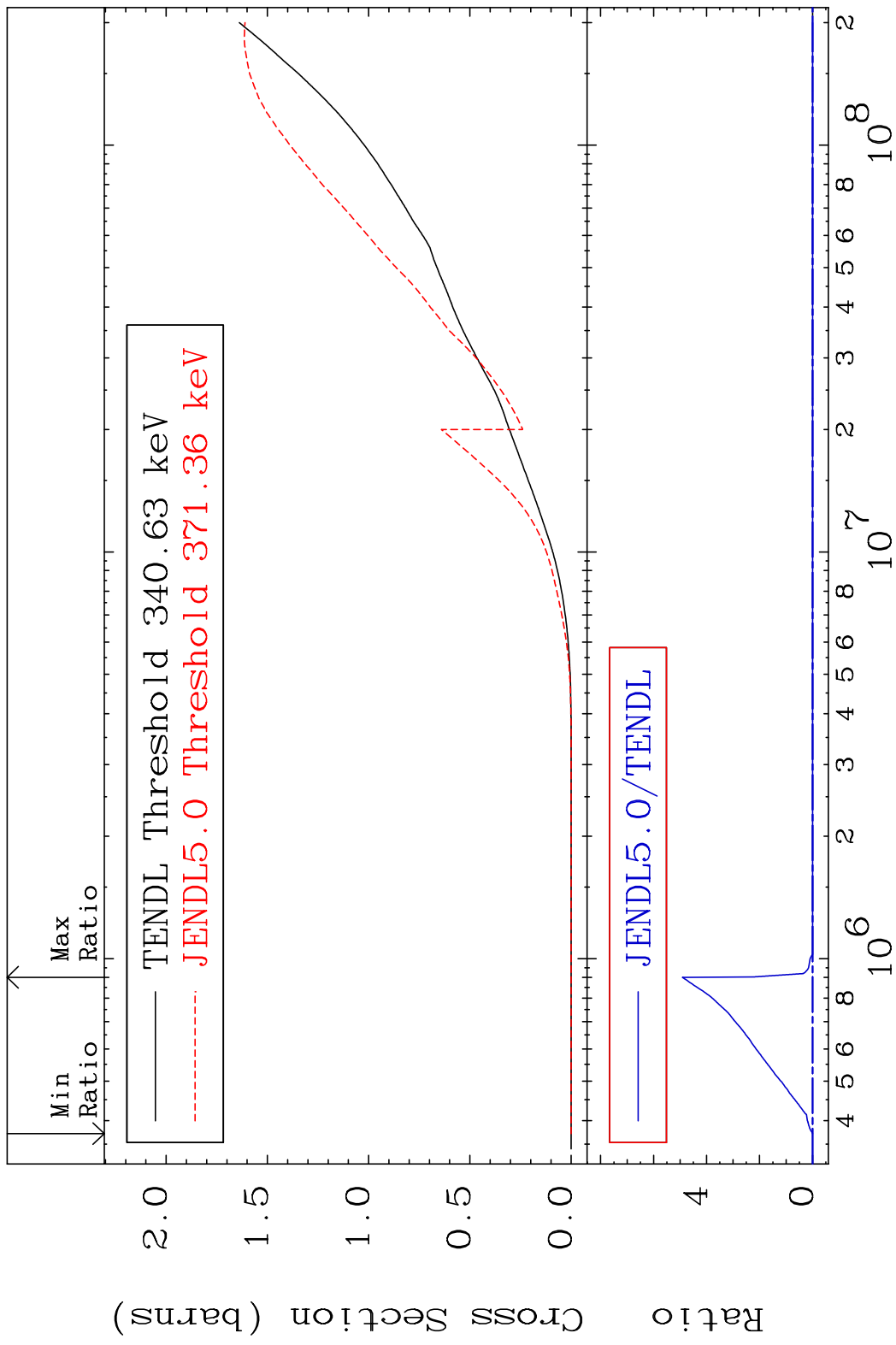


40 Incident Energy (eV) 46-Pd-102

MAT 4625 (n,p) d 46-Pd-102
 Cross Section -100.0 To 3404. %

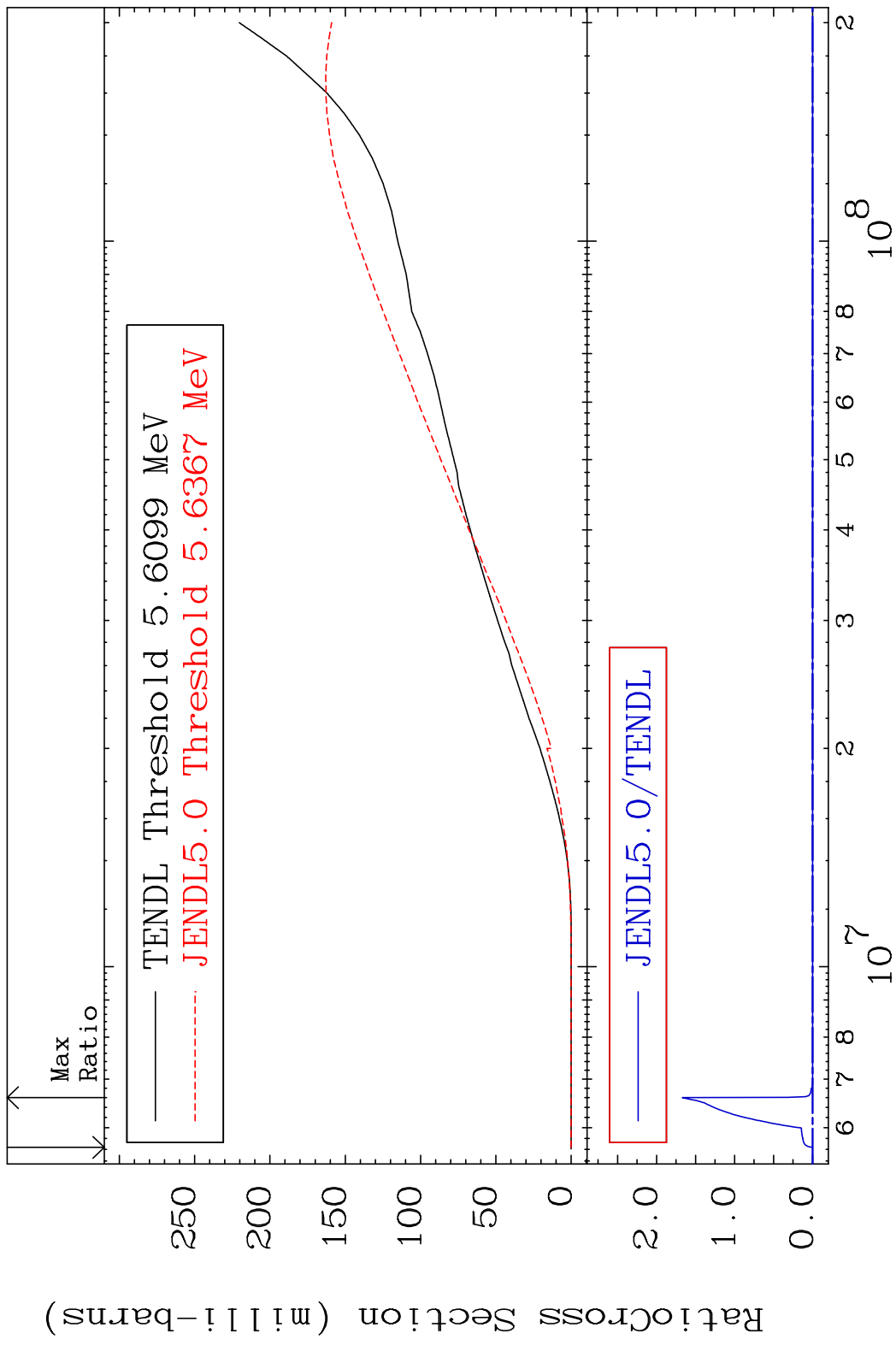


MAT 4625 Hydrogen Production 46-Pd-102
 Cross Section -100.0 To 9999. %



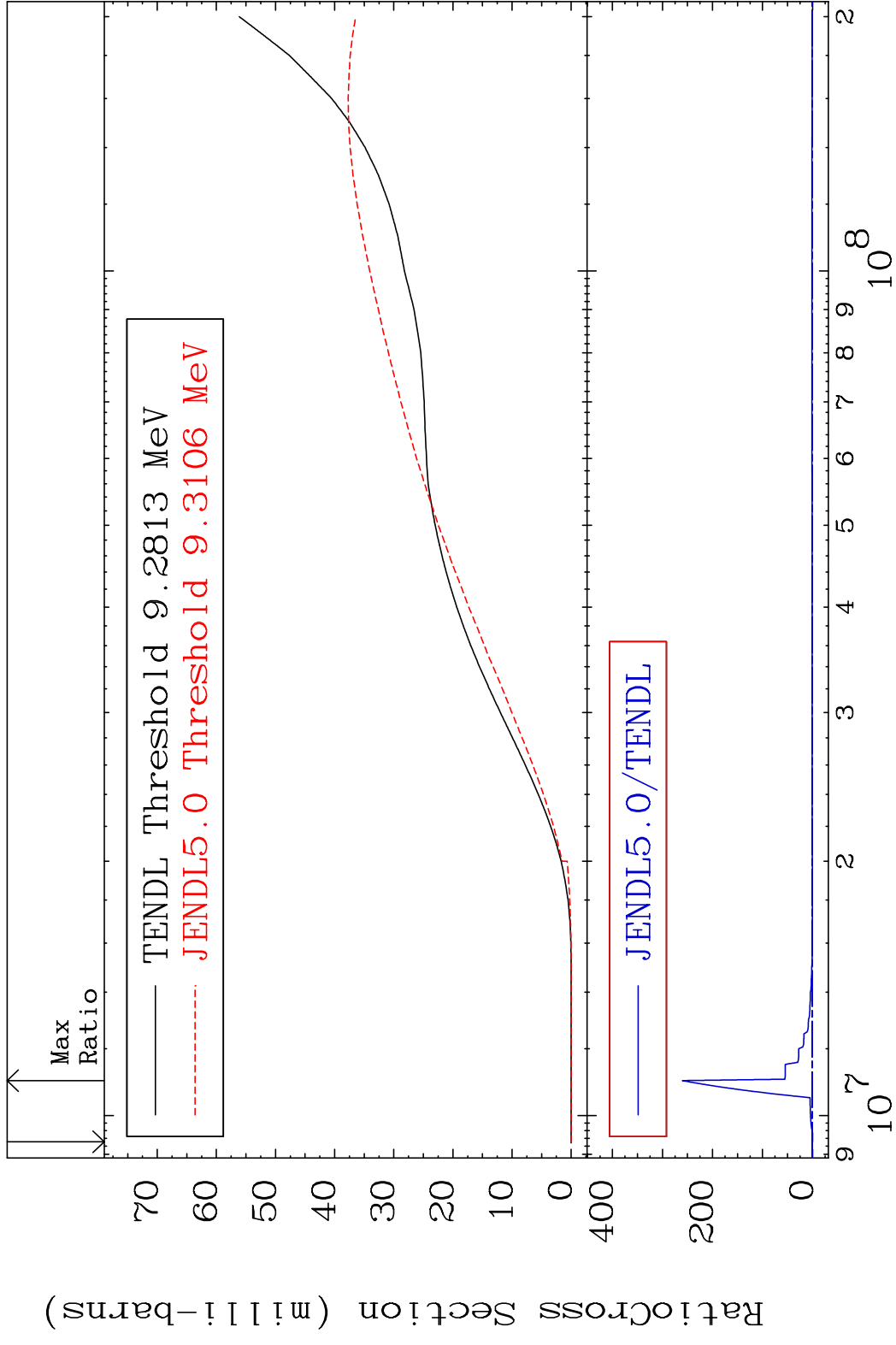
42 Incident Energy (eV) 46-Pd-102

MAT 4625 Deuterium Production 46-Pd-102
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 46-Pd-102

MAT 4625 Tritium Production 46-Pd-102
 Cross Section -100.0 To 9999. %



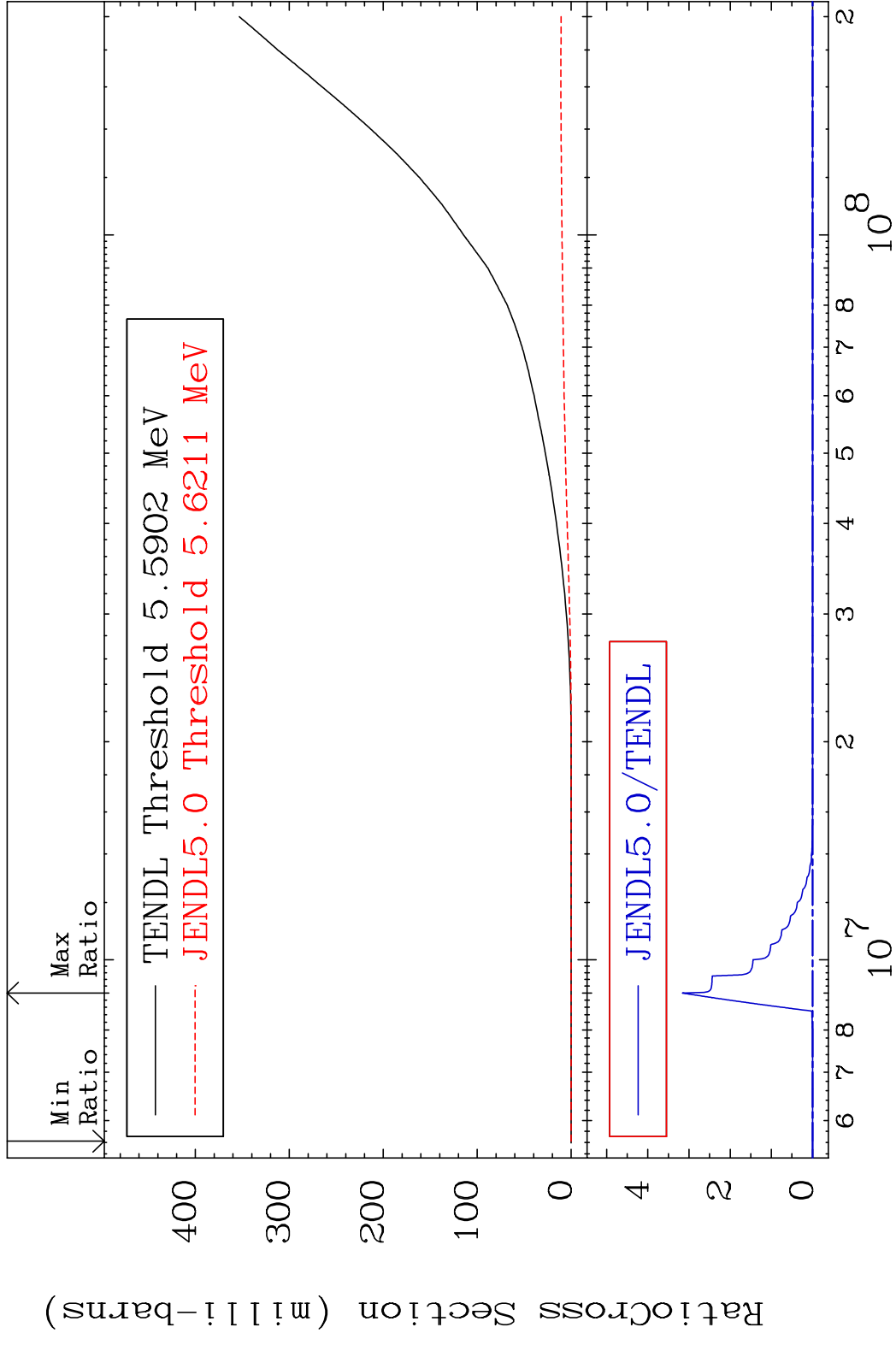
44 46-Pd-102

MAT 4625

He-3 Production

46-Pd-102

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

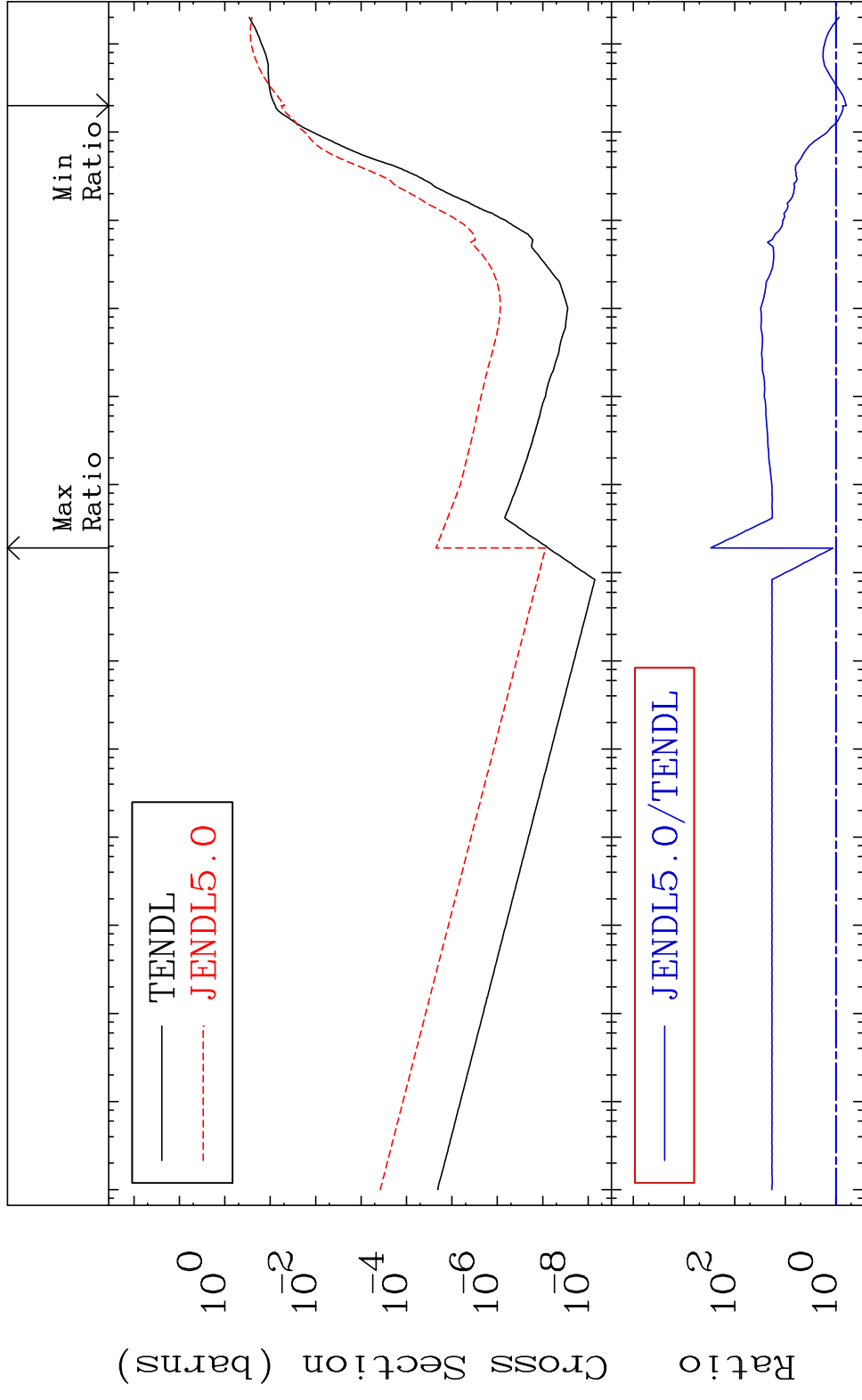
46-Pd-102

MAT 4625

He-4 Production

46-Pd-102

Cross Section -37.49 To 9999. %

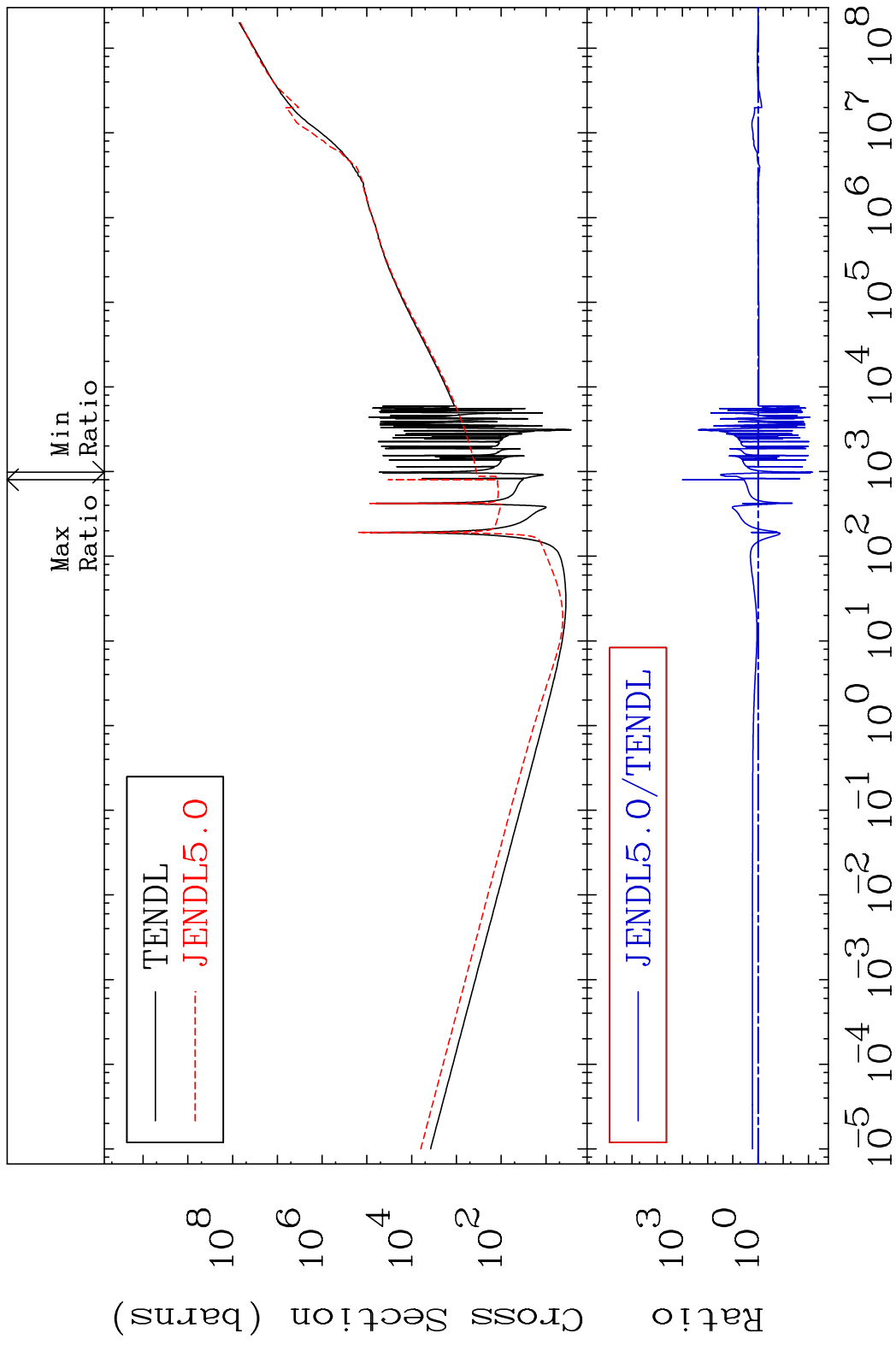


46

Incident Energy (eV)

46-Pd-102

MAT 4625 Kerma total (eV-barns) 46-Pd-102
 Cross Section -99.31 To 9999. %



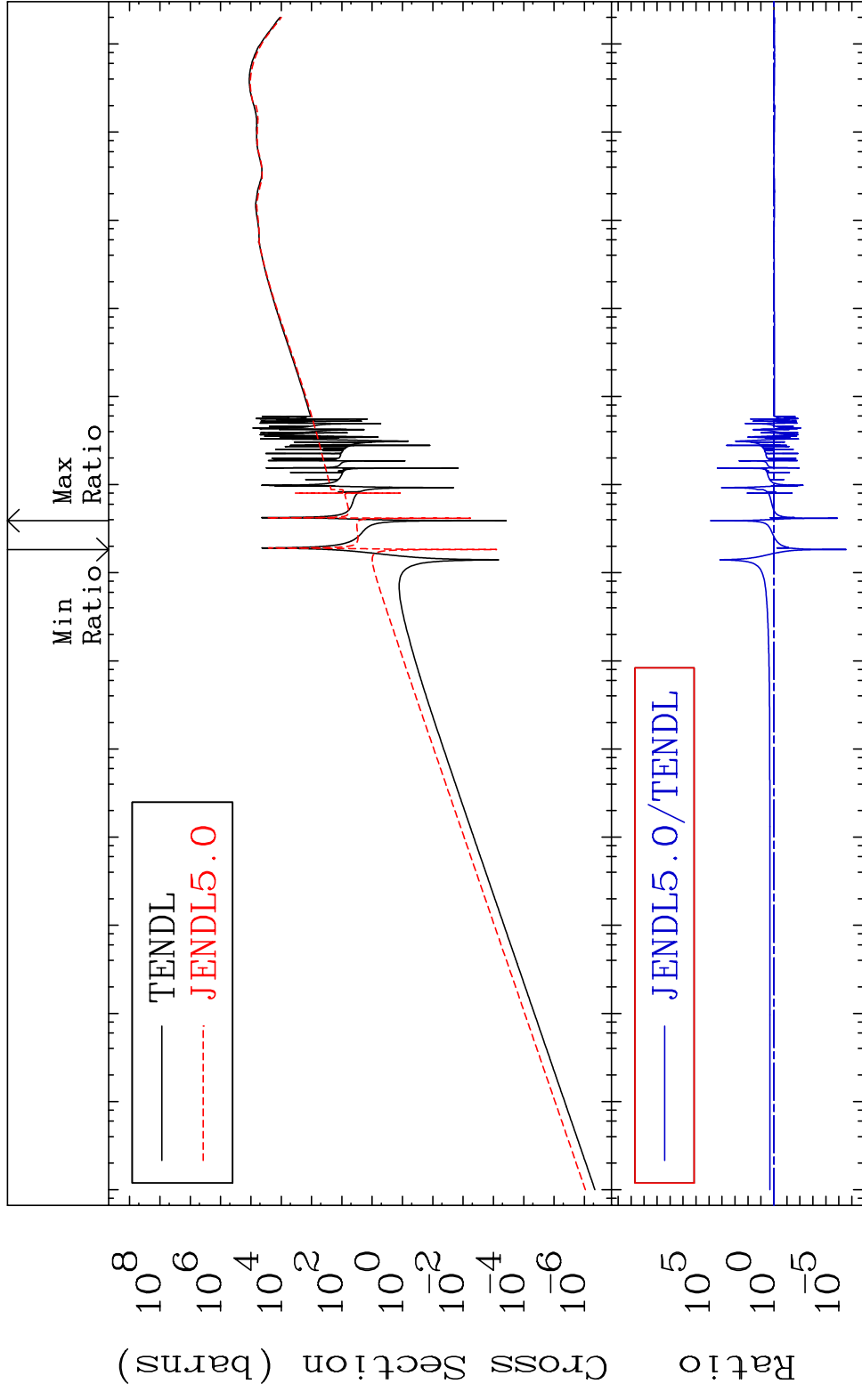
47 Incident Energy (eV) 46-Pd-102

MAT 4625

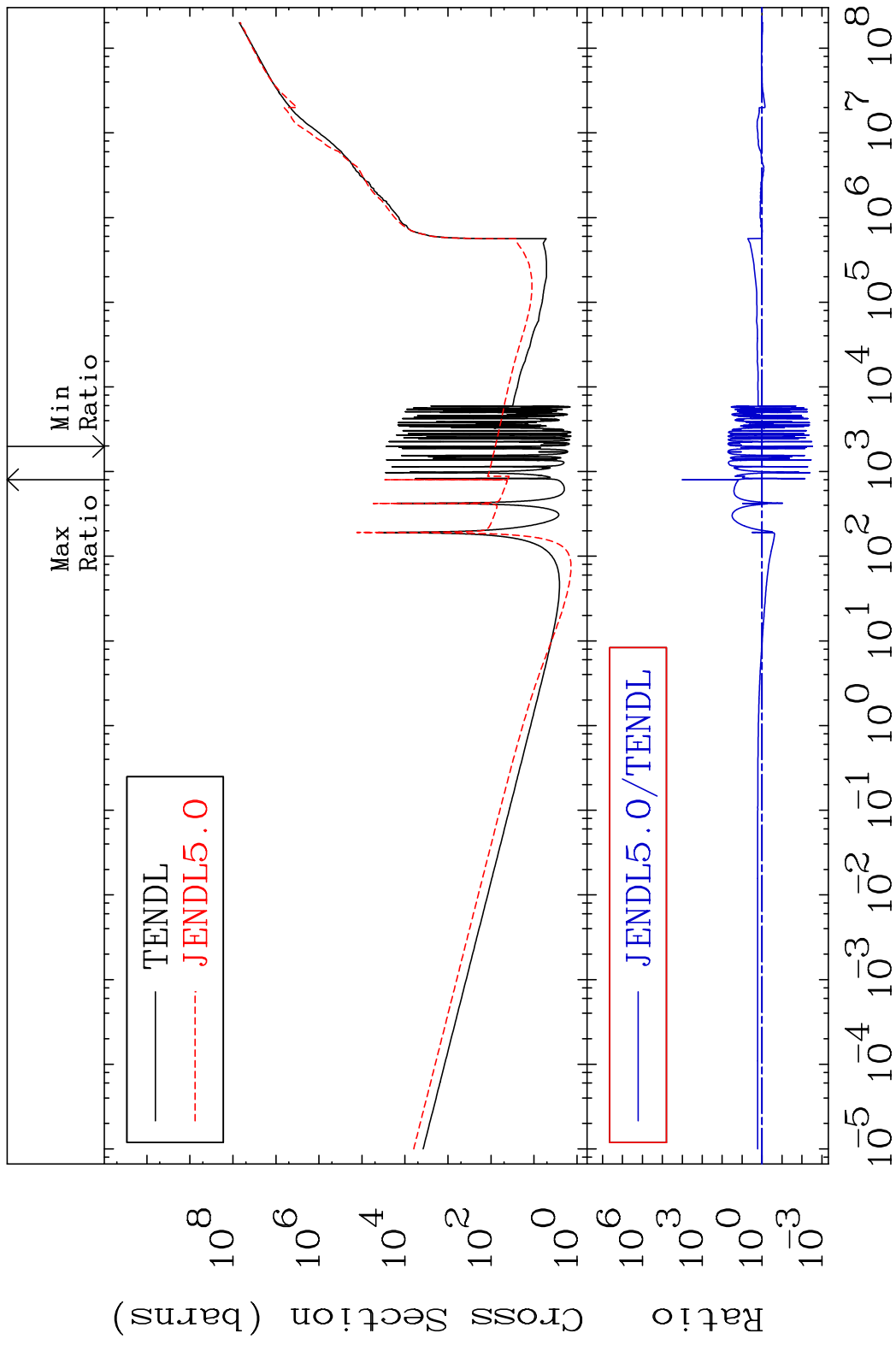
Kerma elastic

46-Pd-102

Cross Section -100.0 To 9999. %

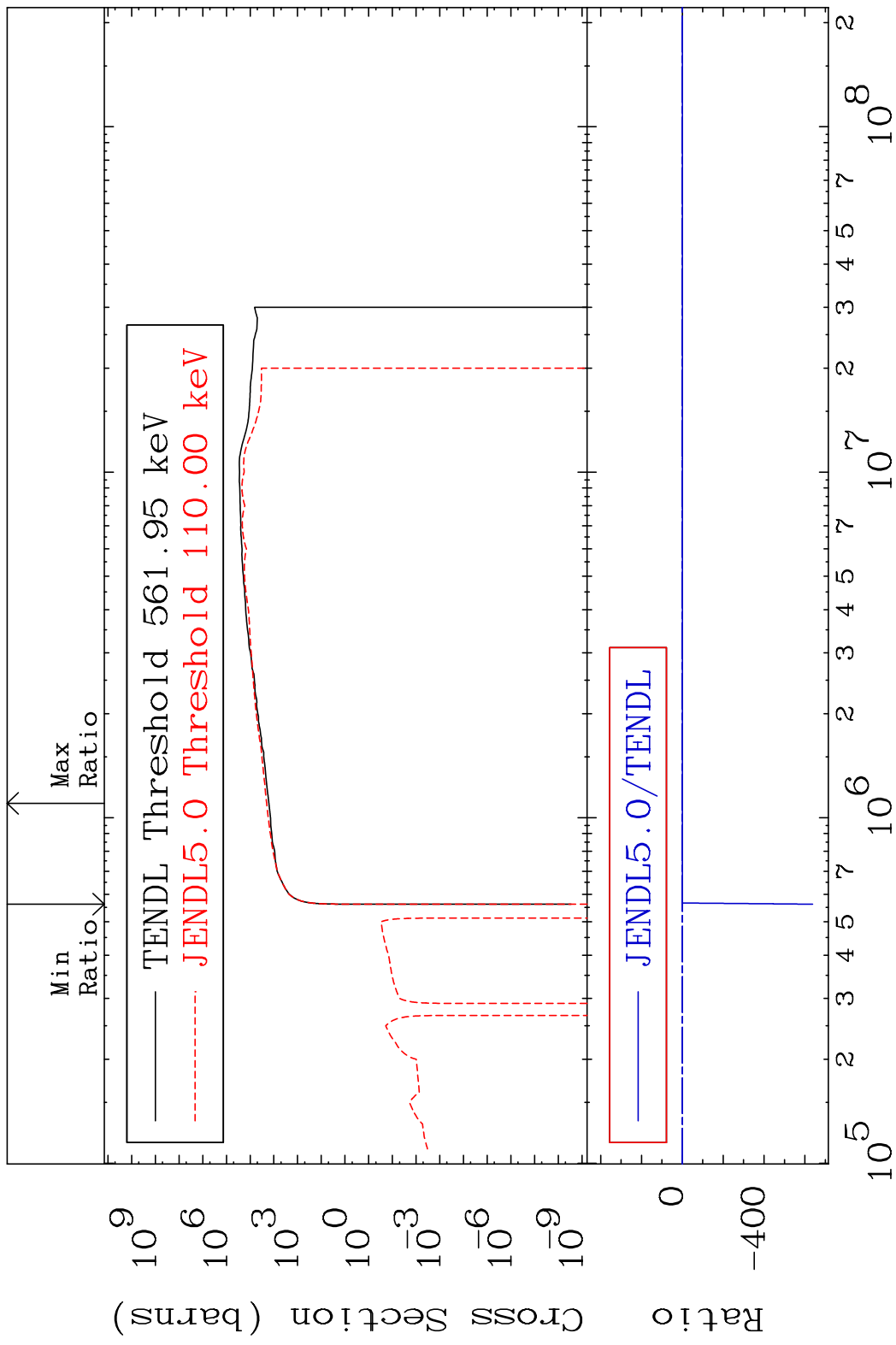


MAT 4625 Kerma non-elastic (all but mt2) 46-Pd-102
Cross Section -99.71 To 9999. %



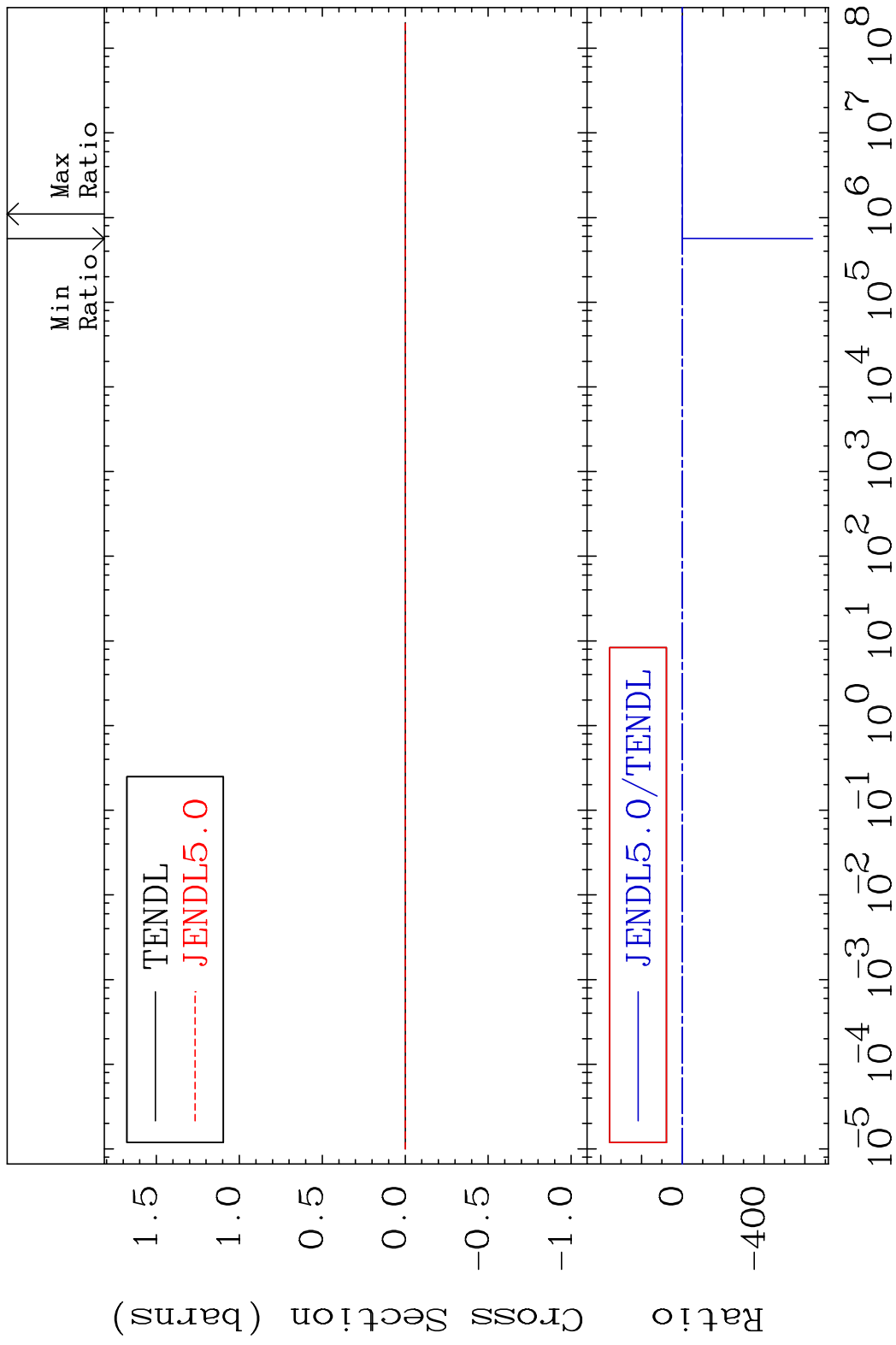
49 Incident Energy (eV) 46-Pd-102

MAT 4625 Kerma inelastic (mt51-91) 46-Pd-102
 Cross Section -9999. To 24.98 %



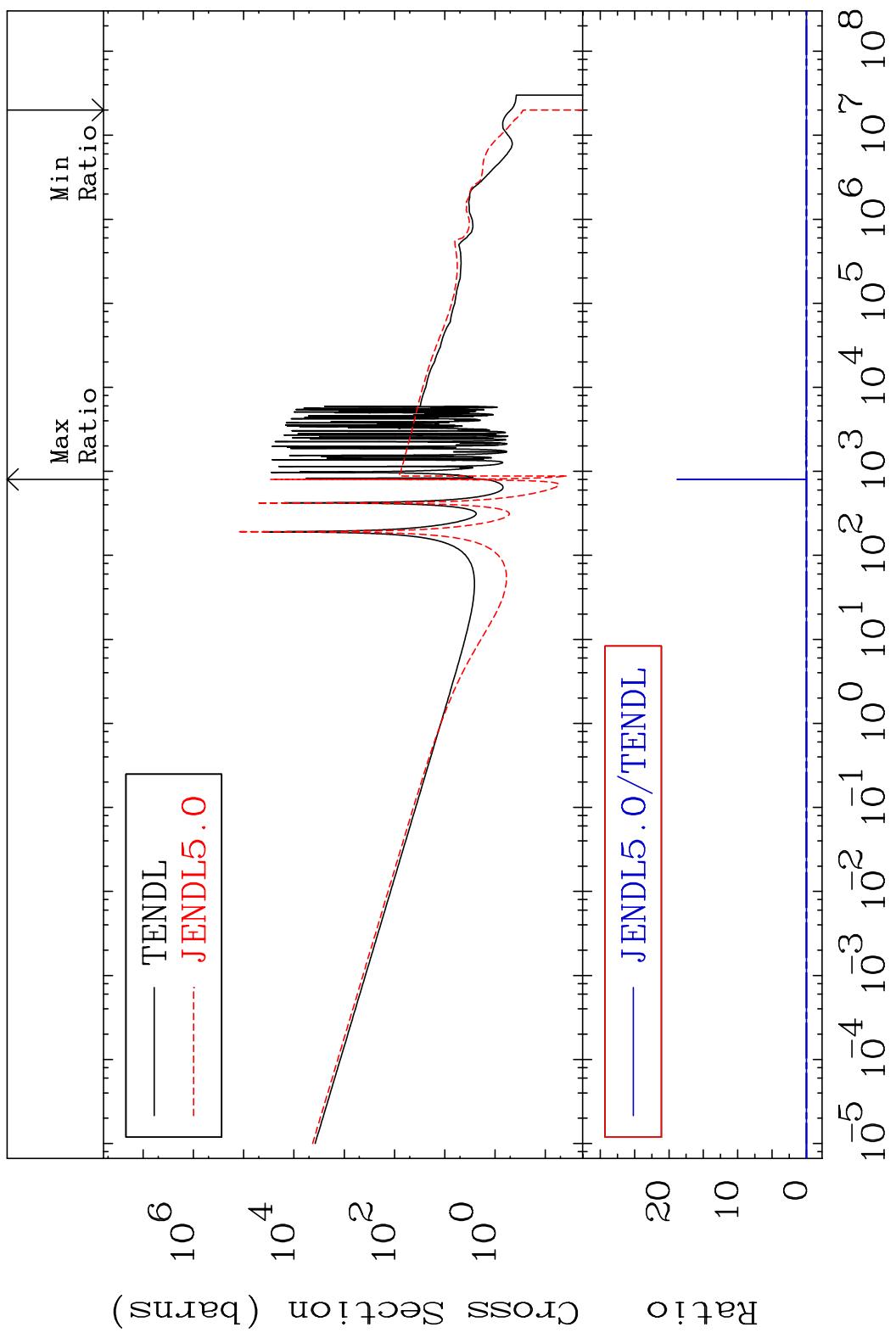
50 Incident Energy (eV) 46-Pd-102

MAT 4625 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-102
 Cross Section -9999. To 24.98 %



MAT 4625

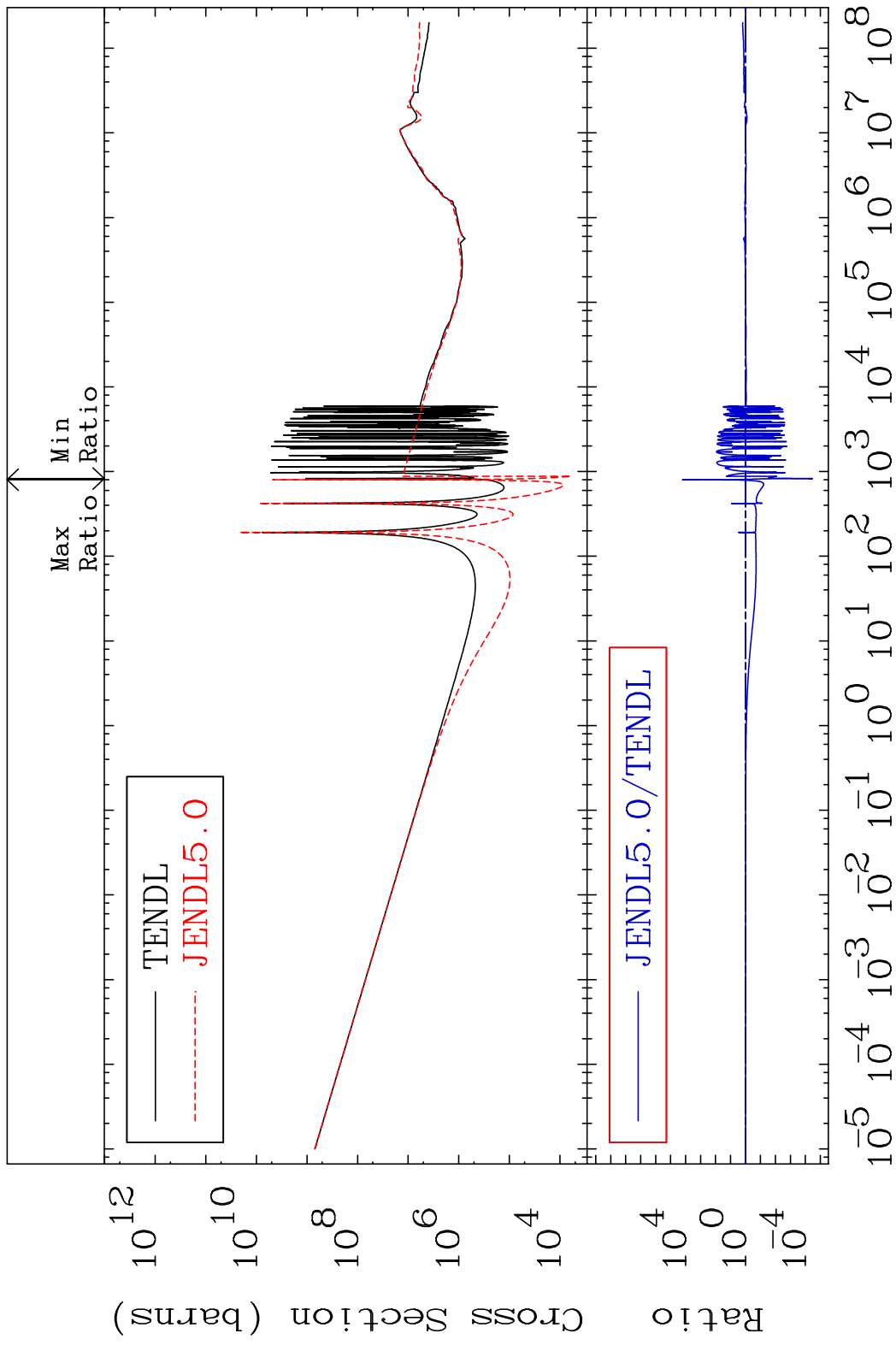
Kerma capture (mt102) 46-Pd-102
Cross Section -100.0 To 9999. %



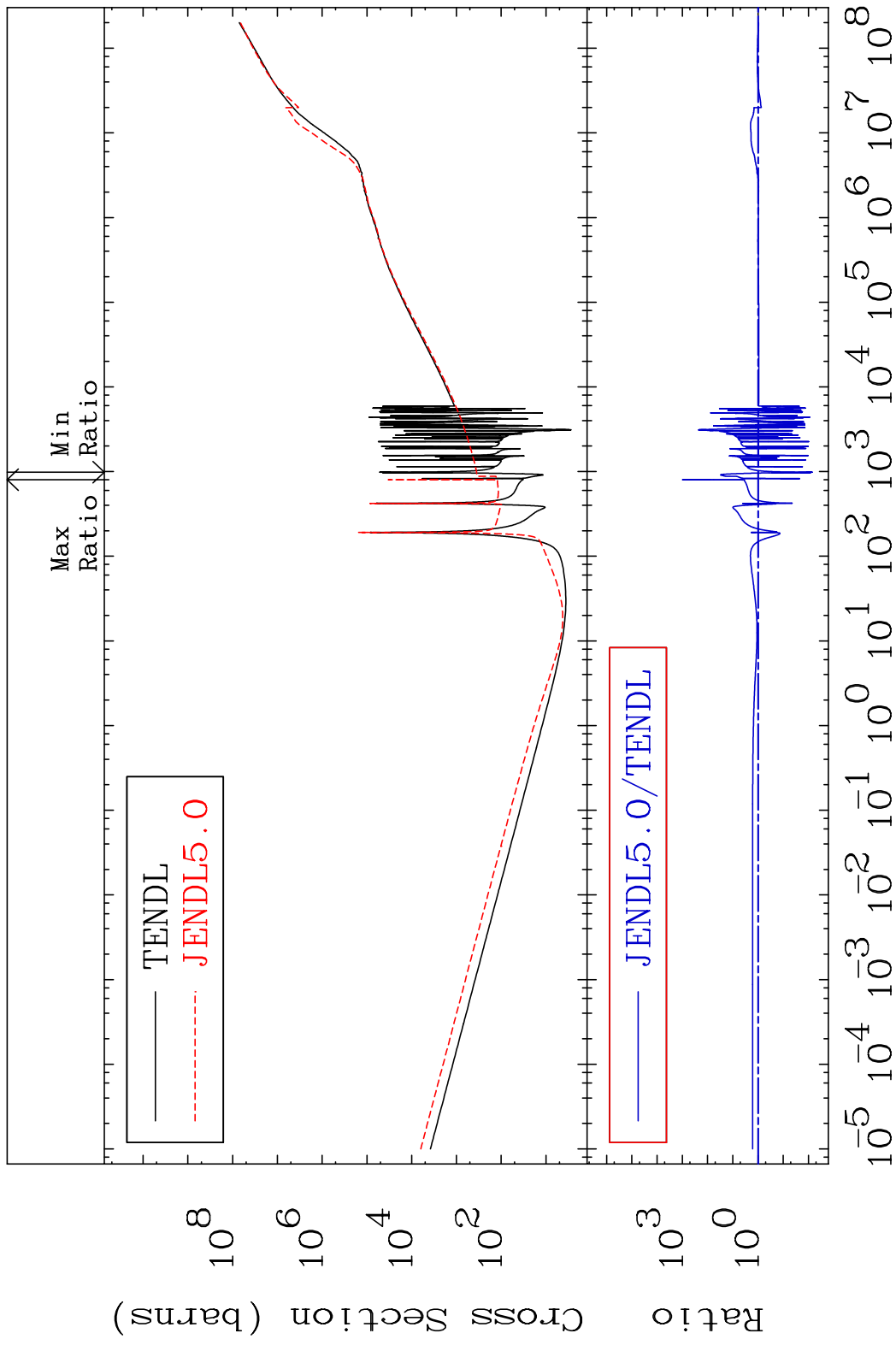
52

Incident Energy (eV) 46-Pd-102

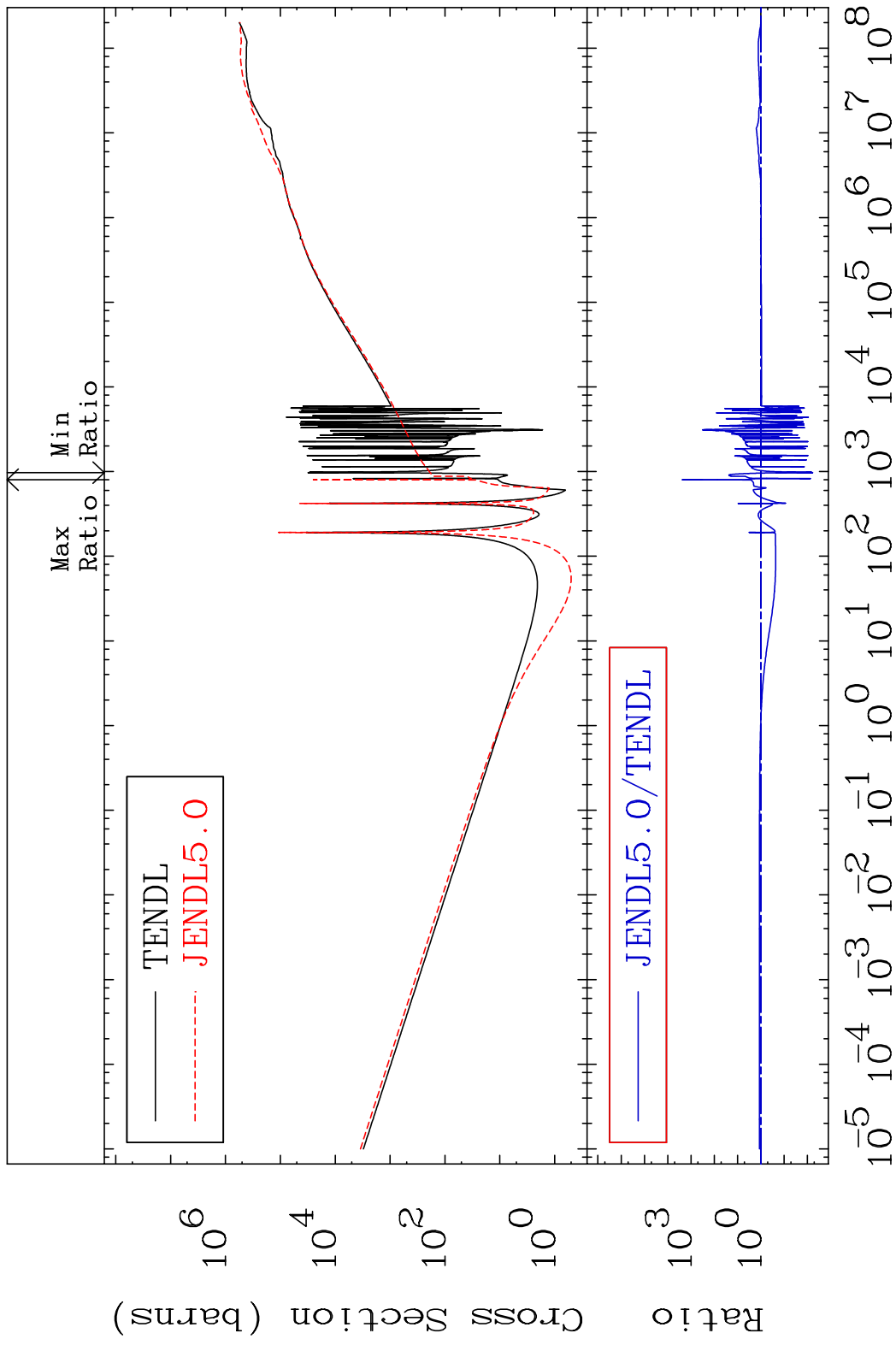
MAT 4625 Total photon (eV-barns) 46-Pd-102
 Cross Section -100.0 To 9999. %



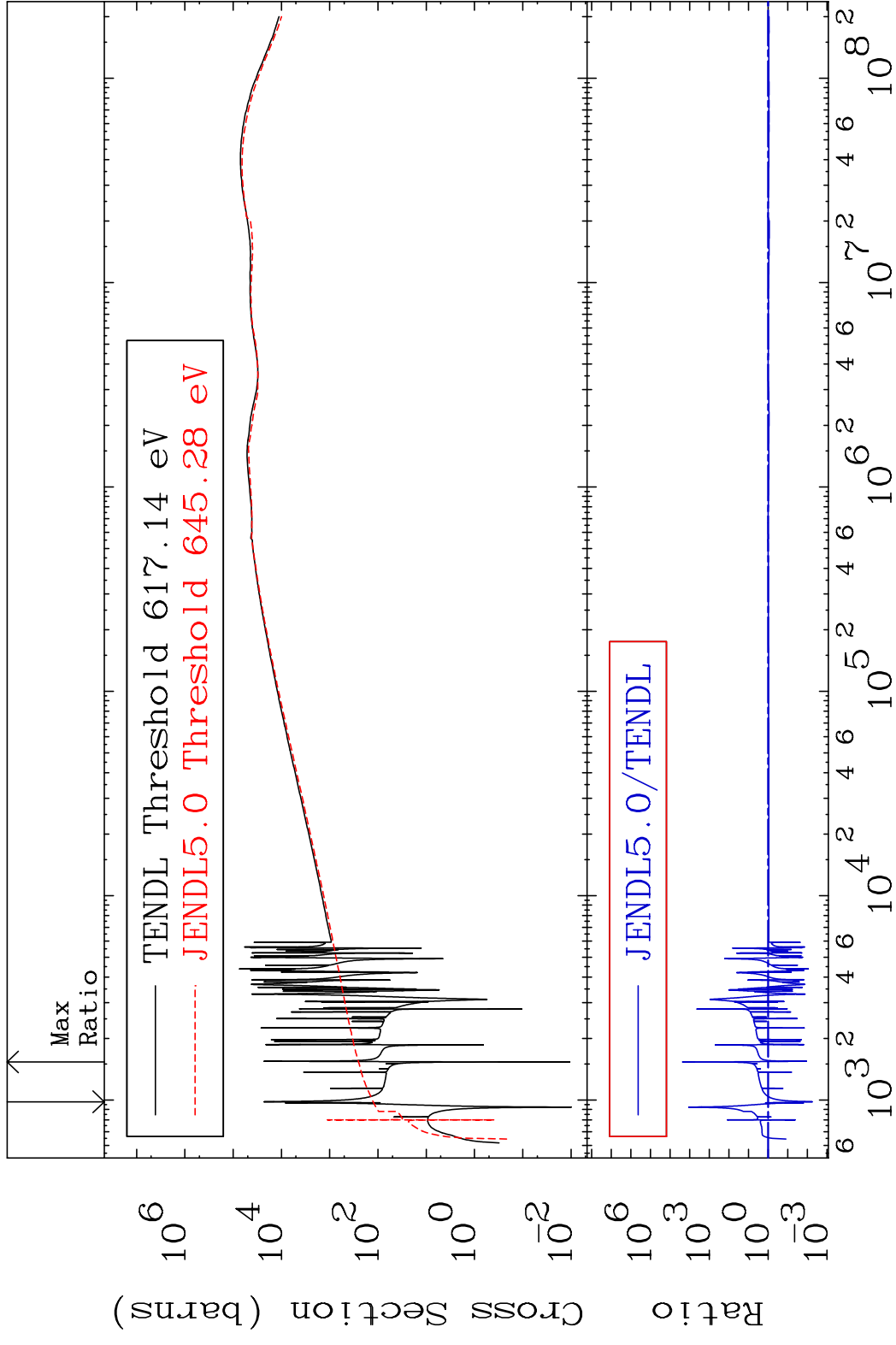
MAT 4625 Total kinematic kerma (high limit) 46-Pd-102
 Cross Section -99.31 To 9999. %



MAT 4625 Dpa total (eV-barns) 46-Pd-102
 Cross Section -99.41 To 9999. %



MAT 4625 Dpa elastic (mt2) 46-Pd-102
 Cross Section -99.46 To 9999. %

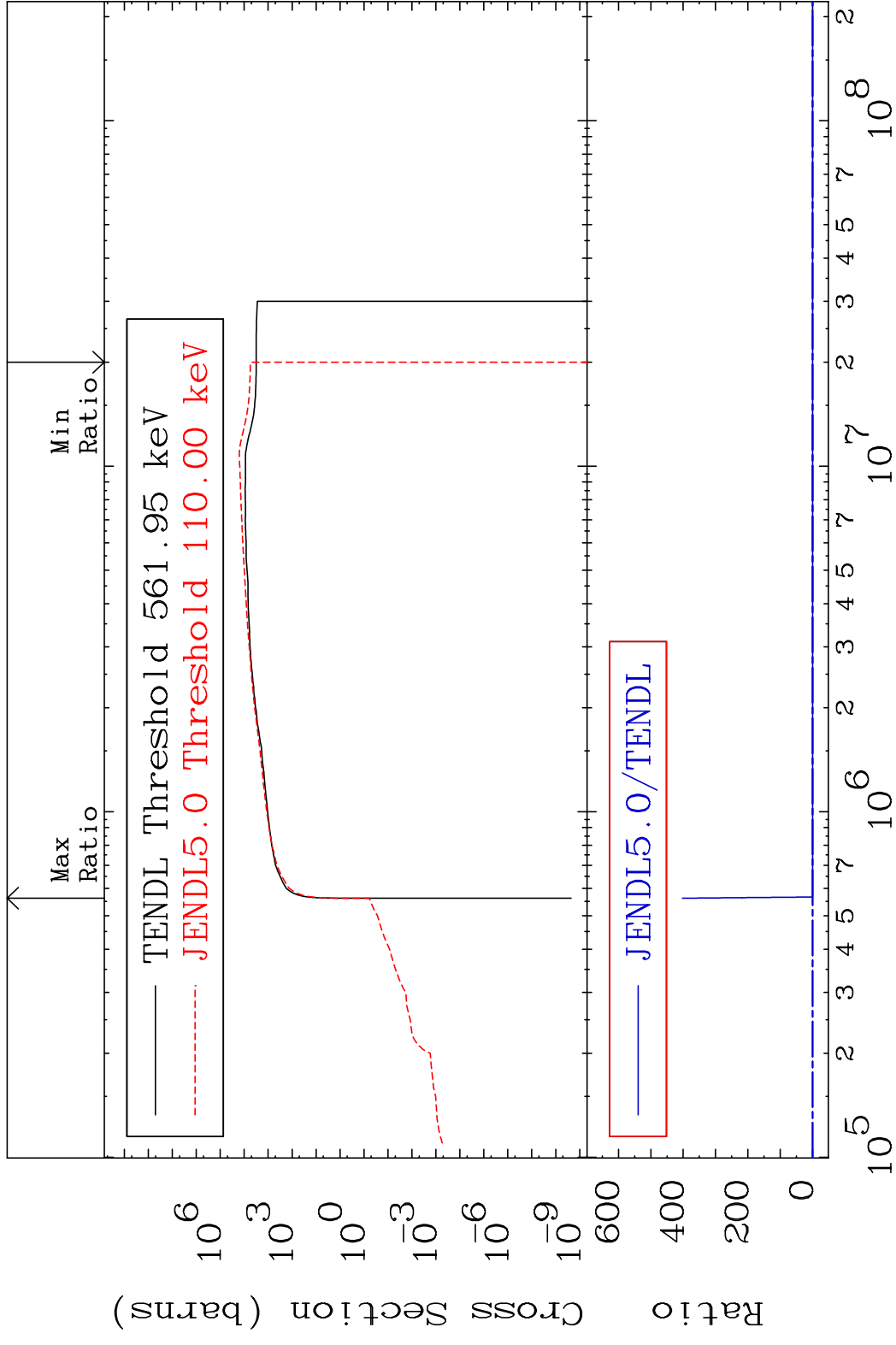


MAT 4625

Dpa inelastic (mt51-91)

46-Pd-102

Cross Section -100.0 To 9999. %

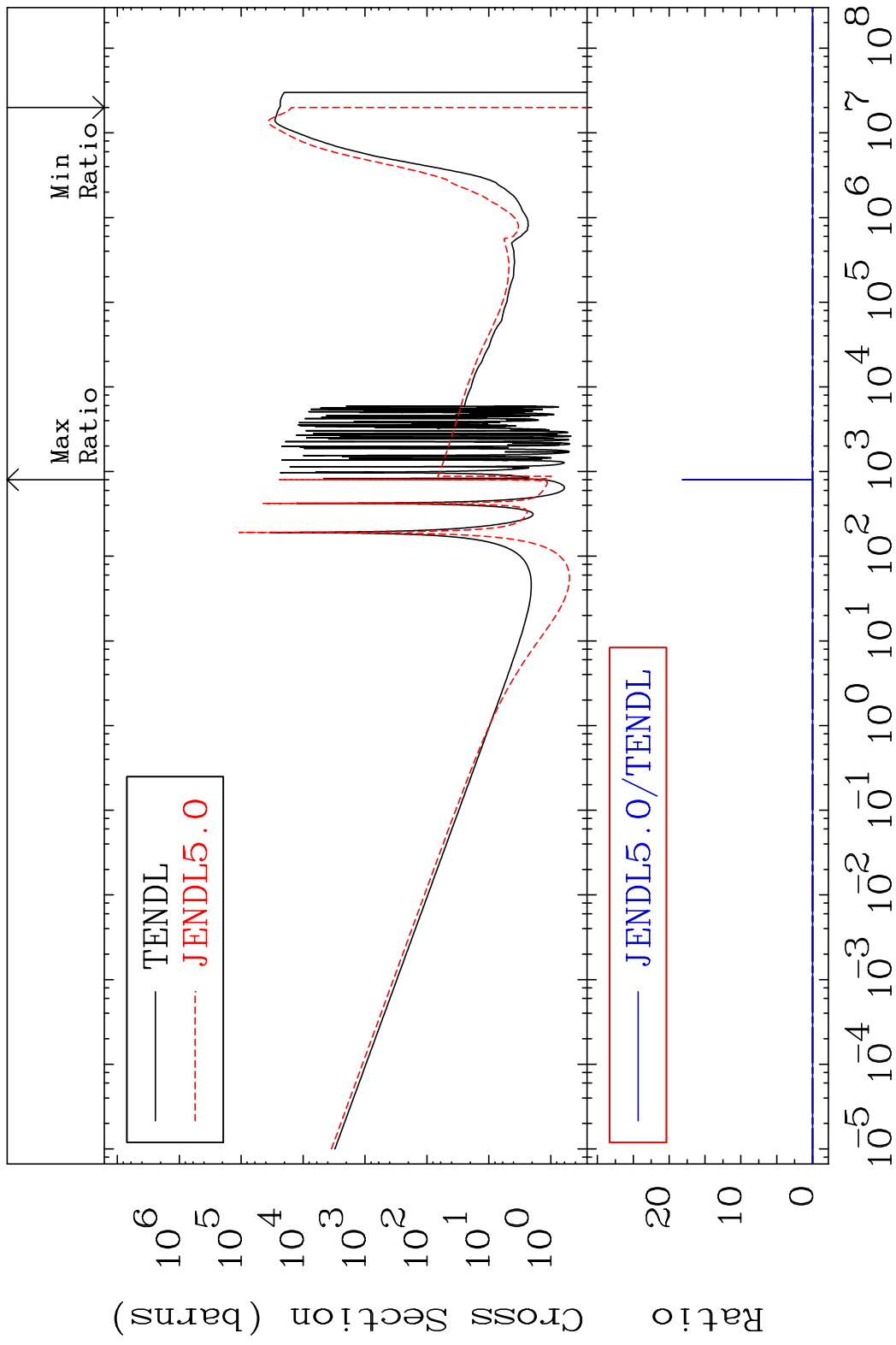


57

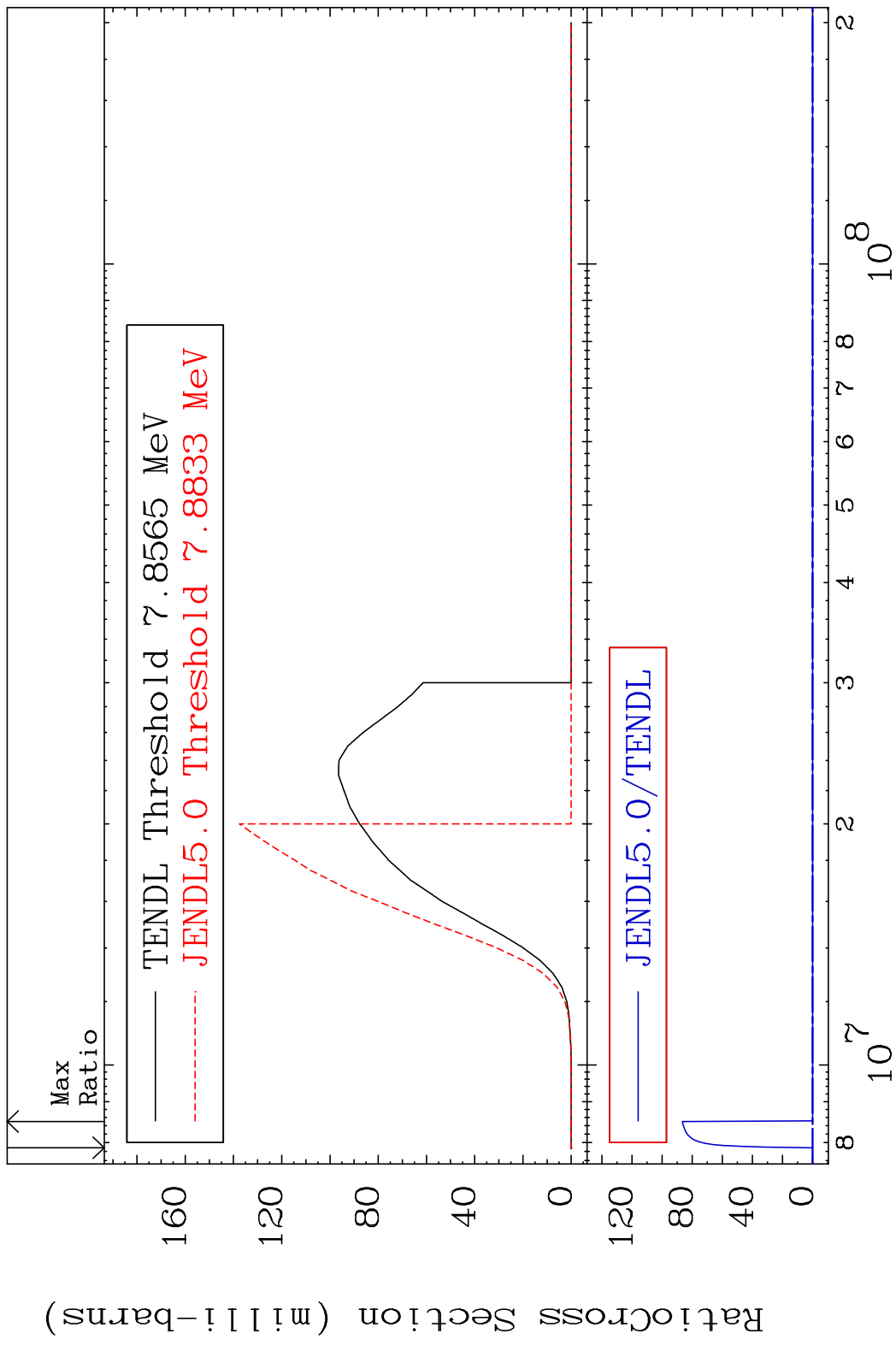
Incident Energy (eV)

46-Pd-102

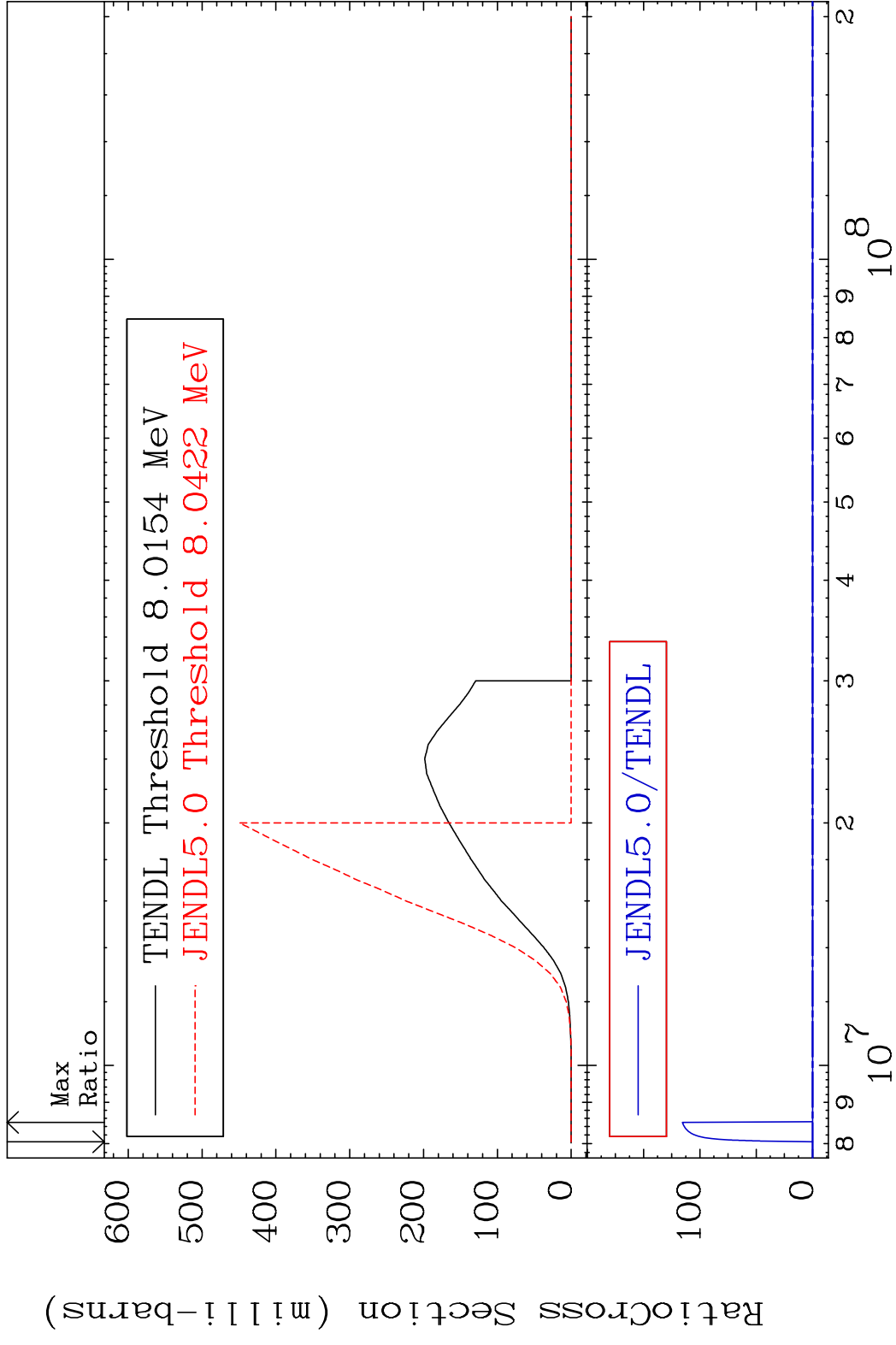
MAT 4625 Dpa disappearance (mt102 -120) 46-Pd-102
 Cross Section -100.0 To 9999. %



MAT 4625 (n, n') p:45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section 100.00 %

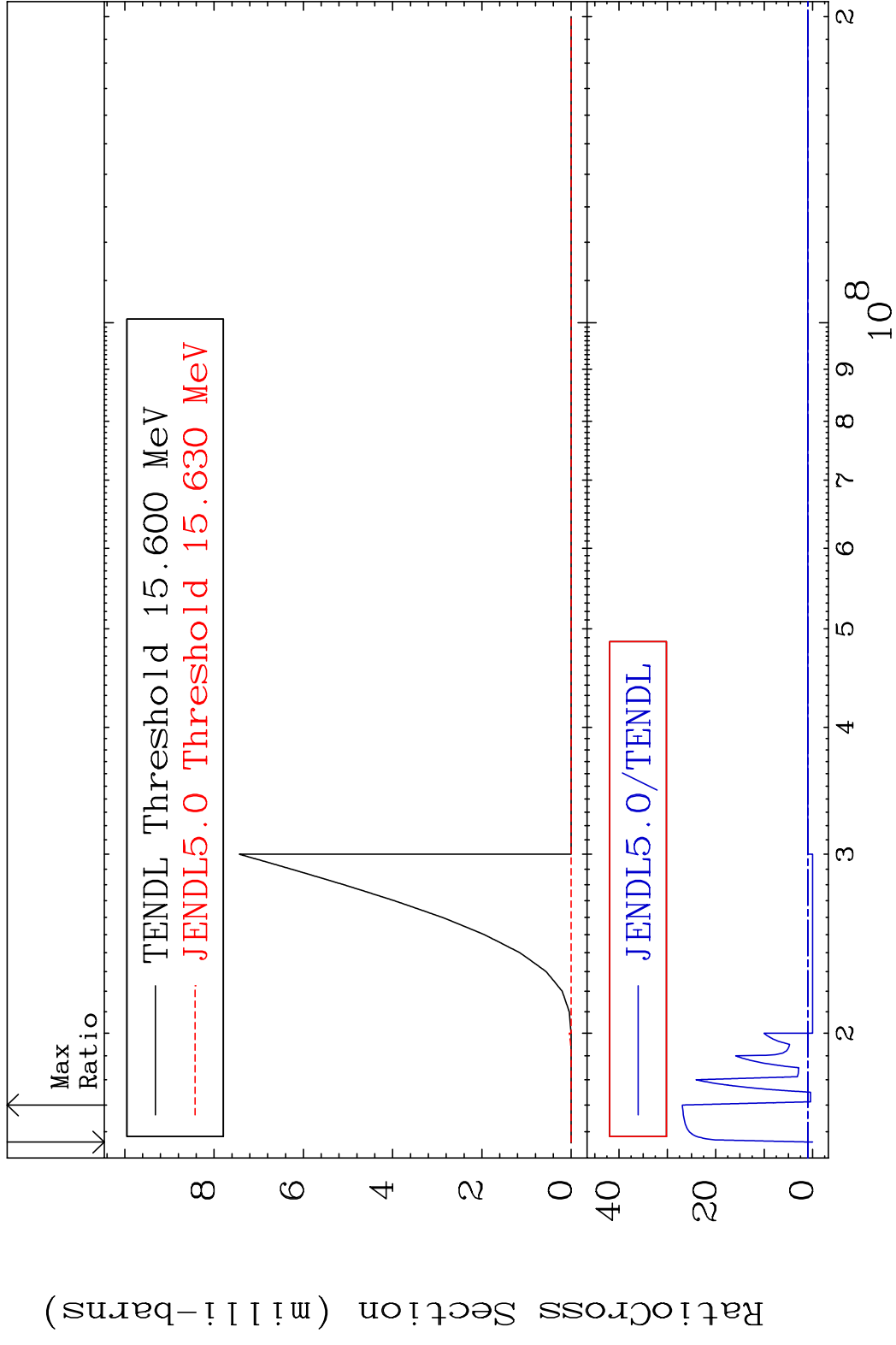


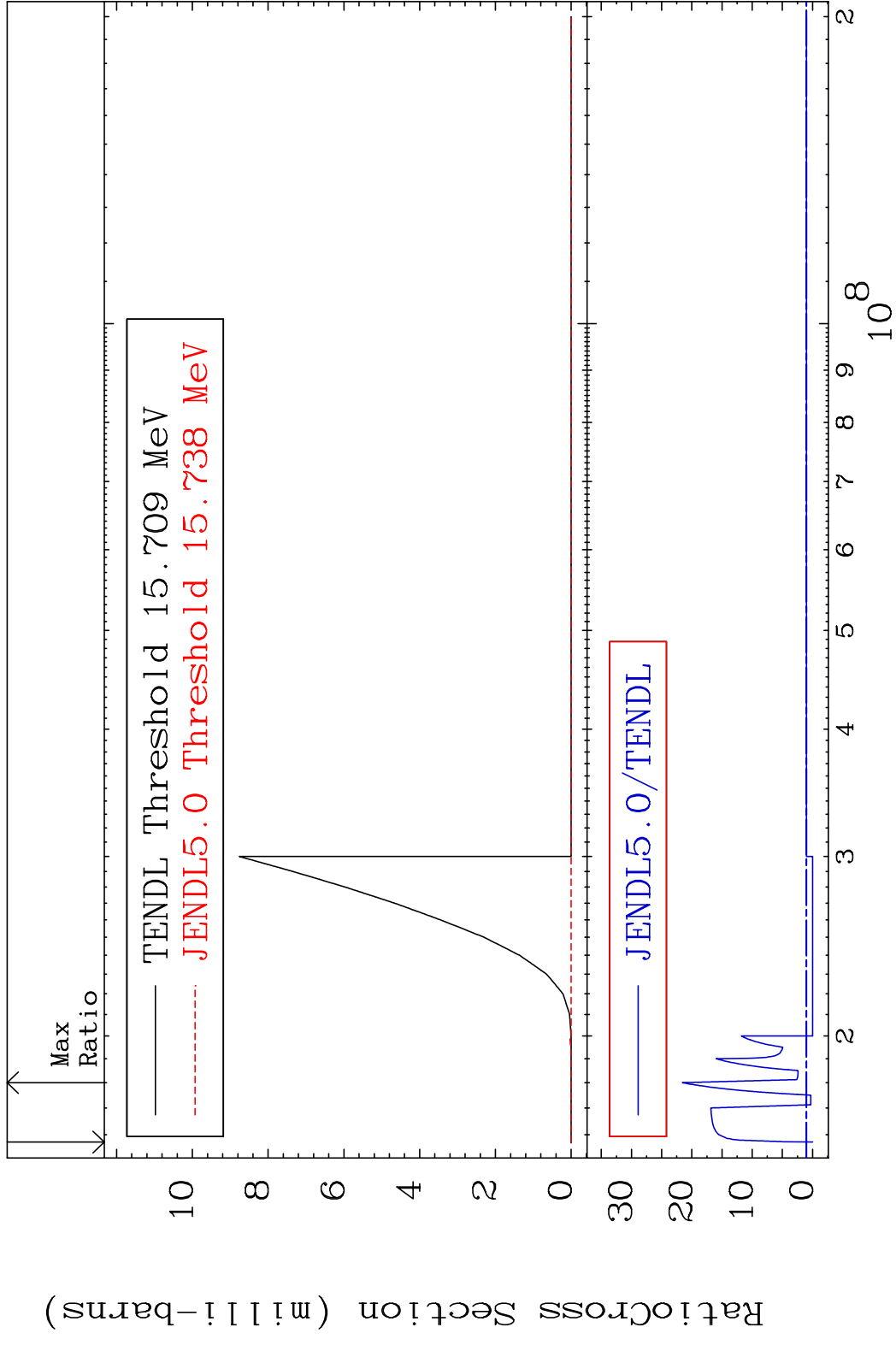
MAT 4625 (n, n') p:45-Rh-101m1 46-Pd-102
 Radionuclide Production Cross Section 100.01 dth 9999. %



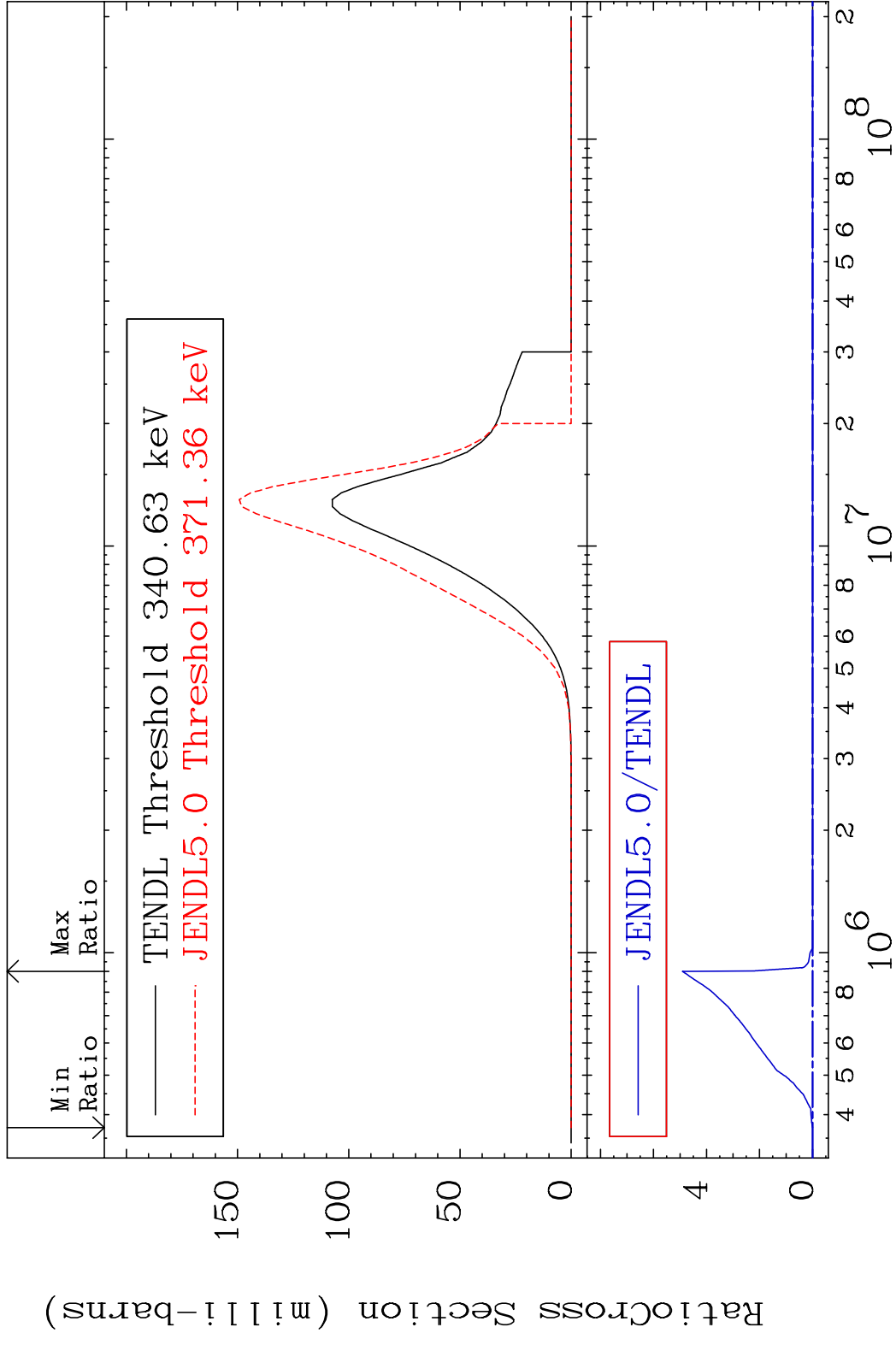
60 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, n') d:45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section Ratio 2590. %

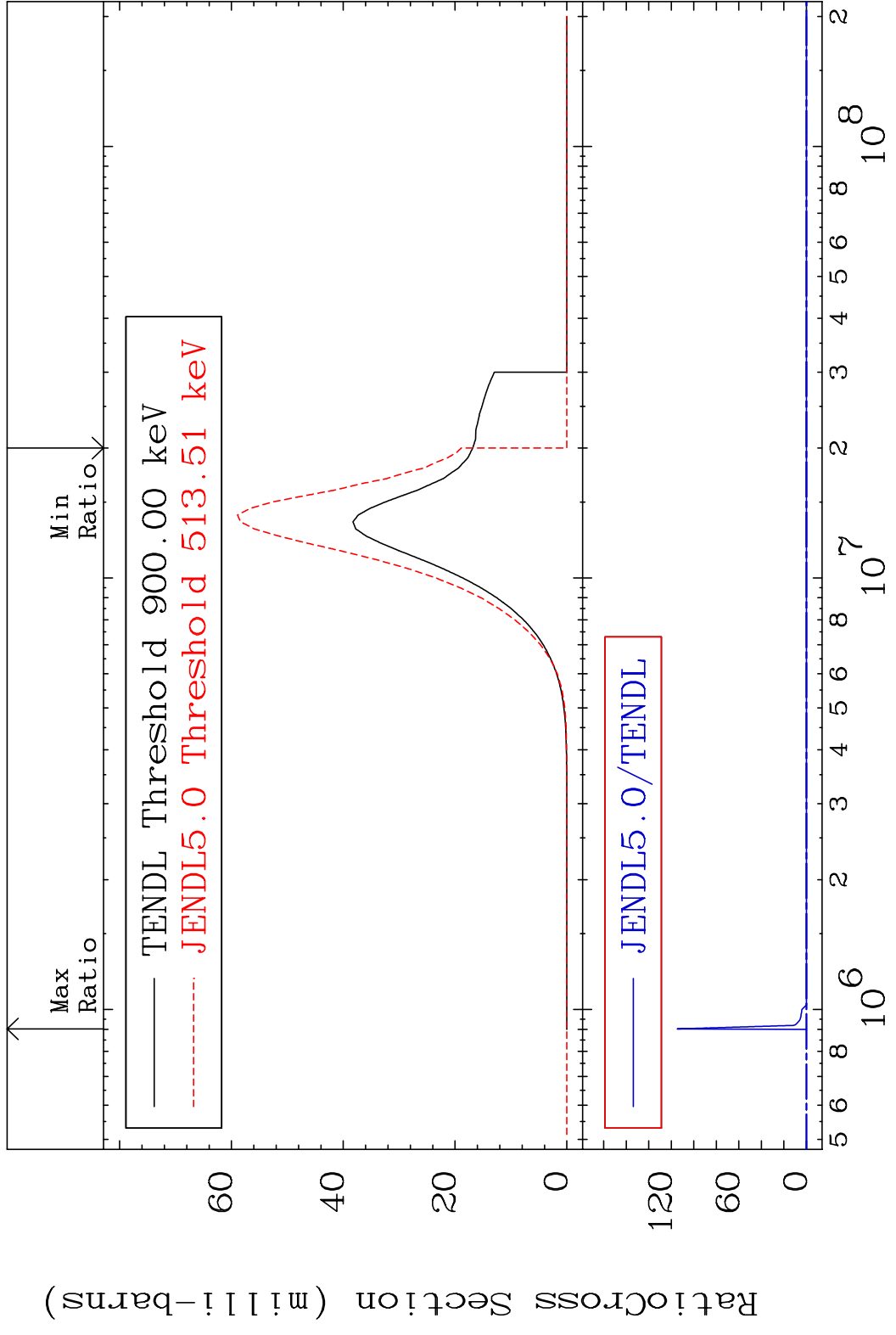




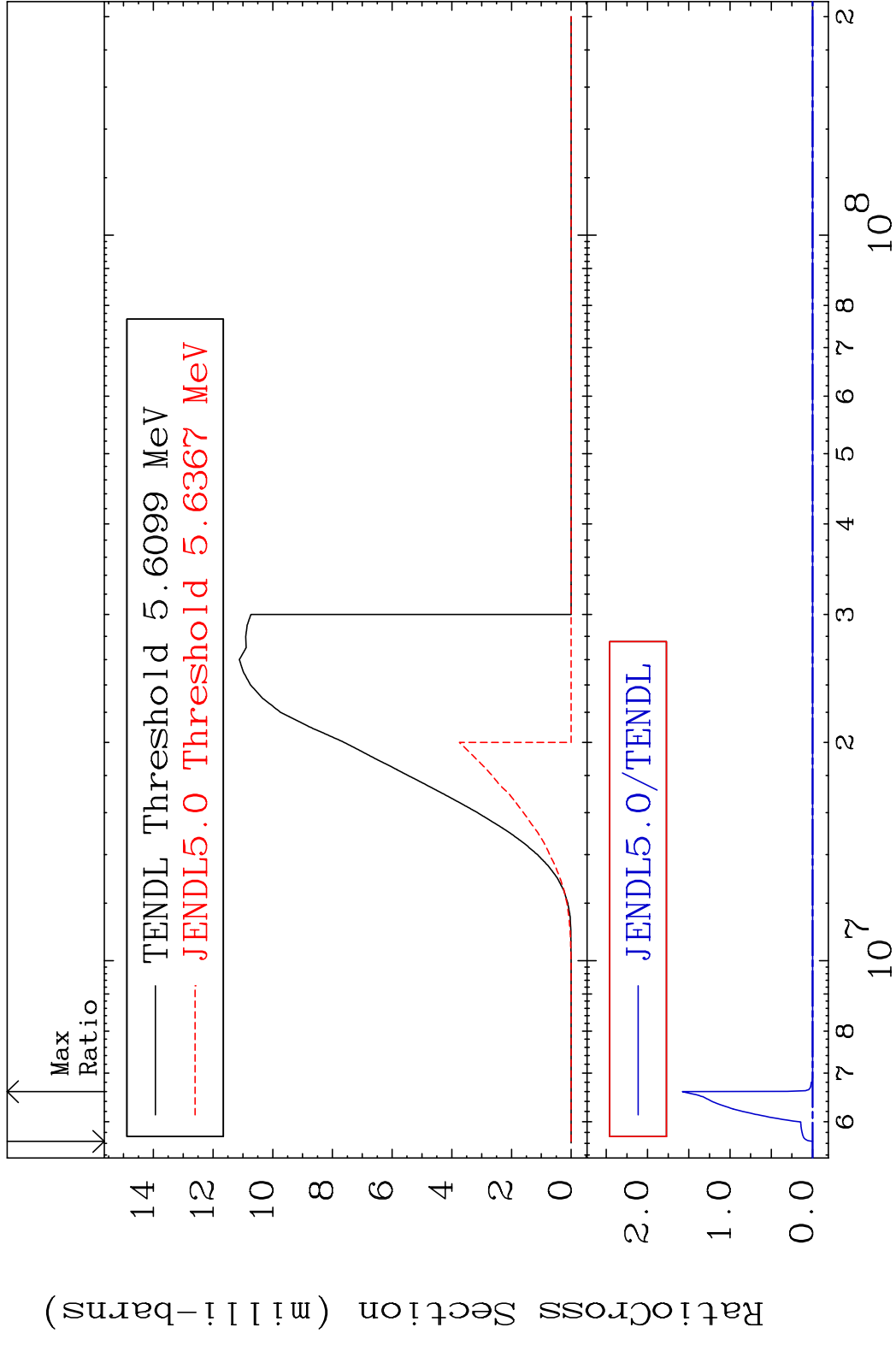
MAT 4625 (n,p):45-Rh-102g 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %

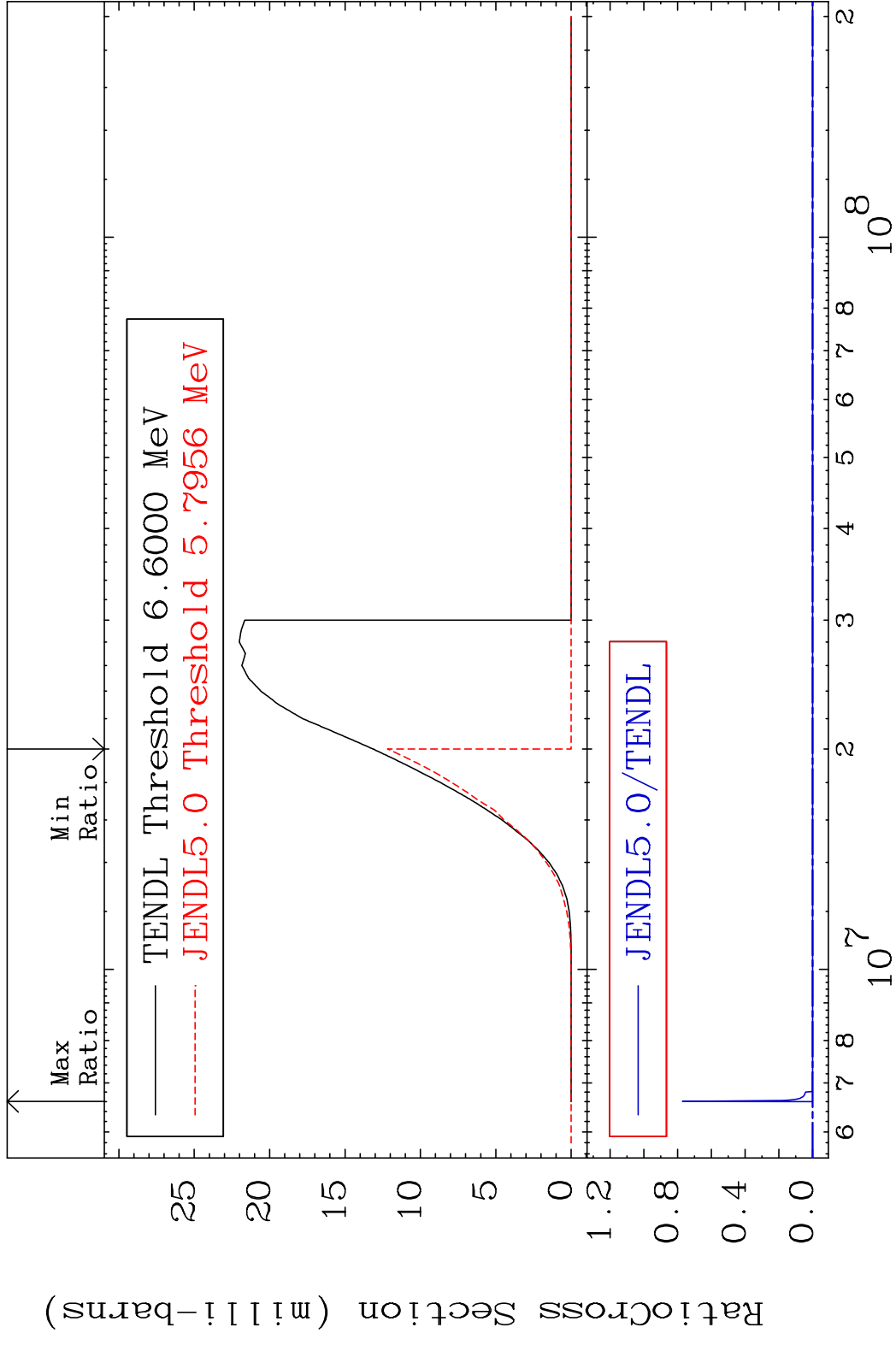


MAT 4625 (n, p): 45-Rh-102m5 46-Pd-102
 Radionuclide Production Cross Section 100.00 dth 9999. %

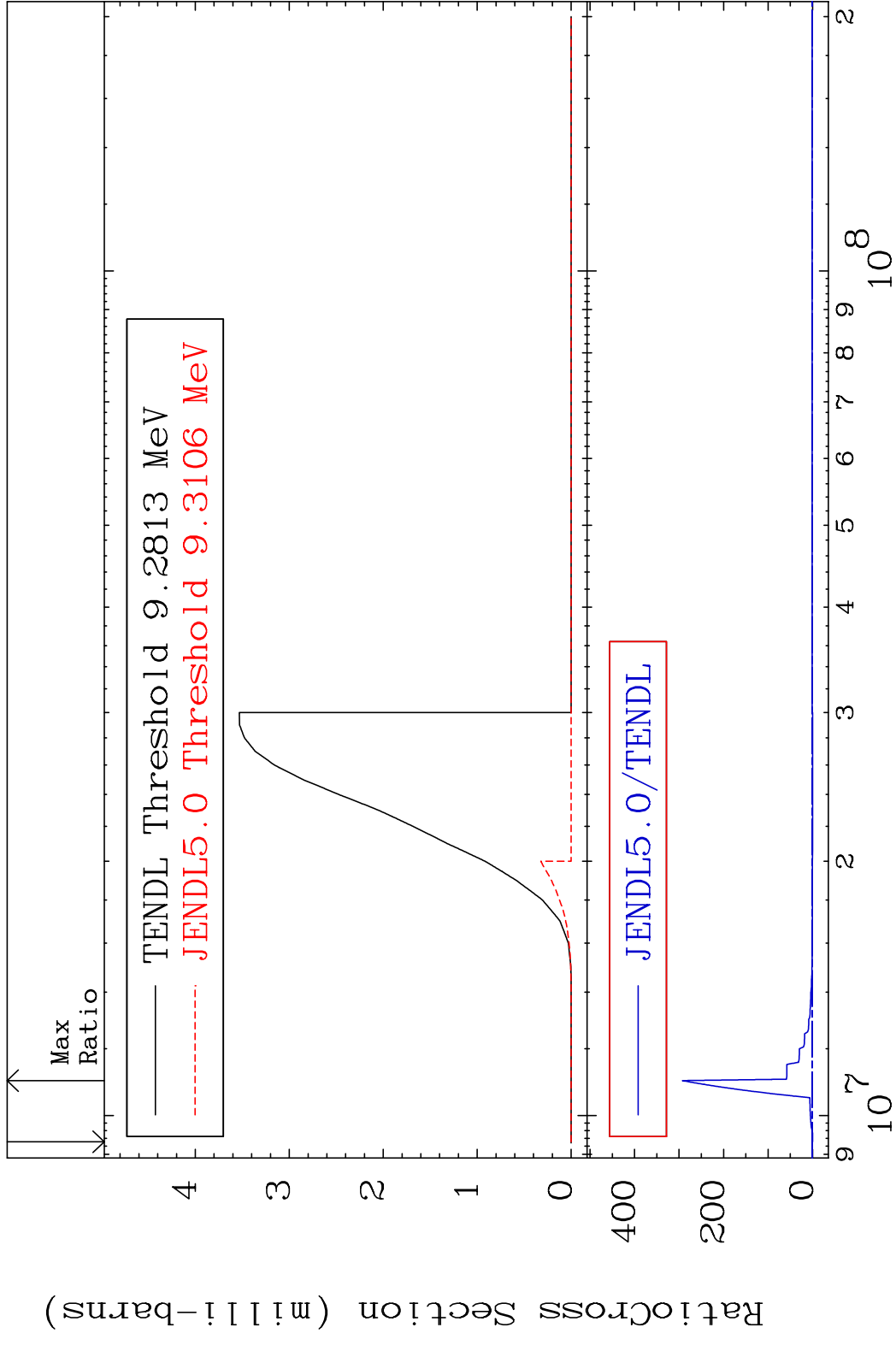


MAT 4625 (n,d):45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section 100.00 %
 100.00 %



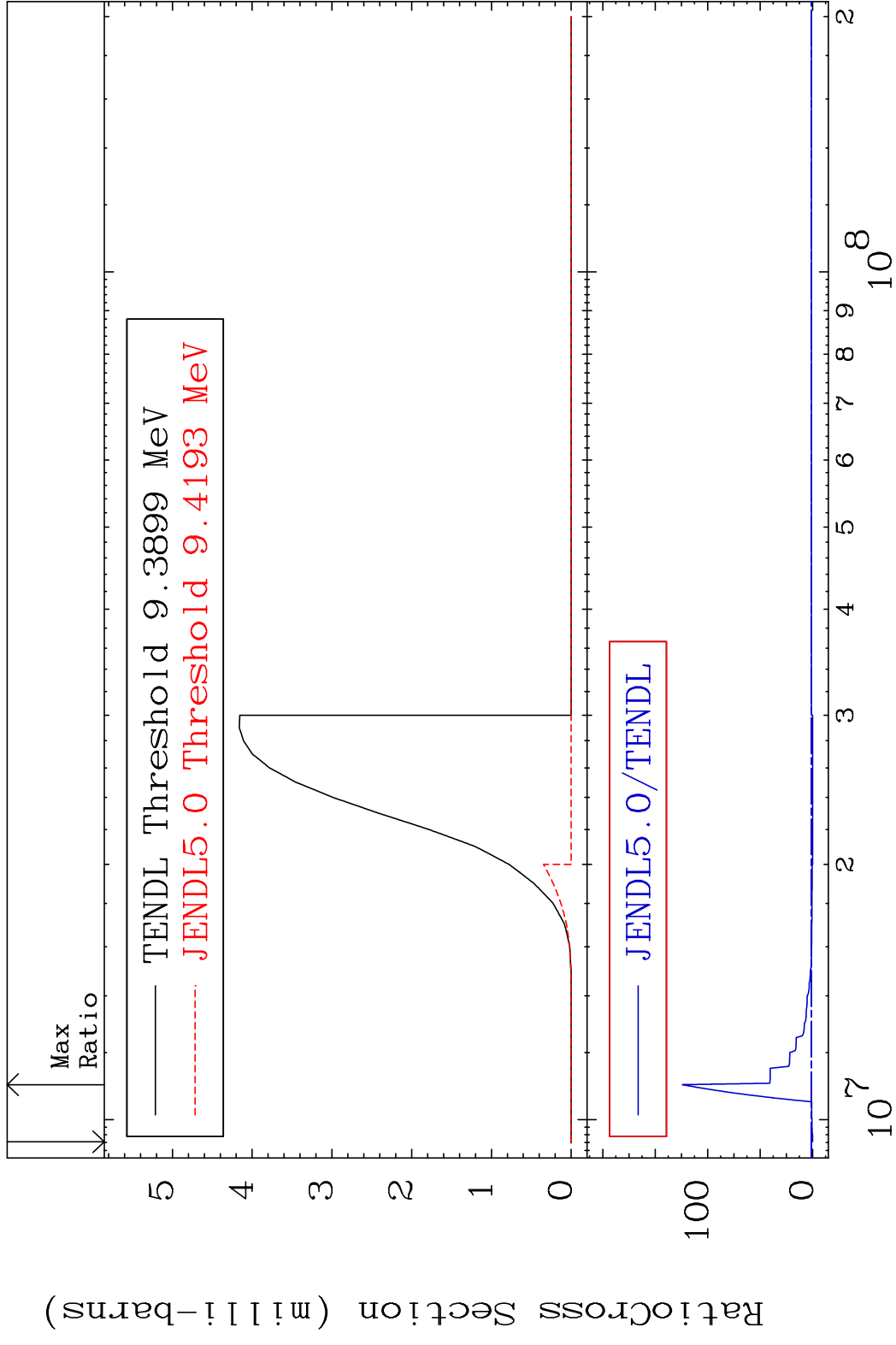


MAT 4625 (n, t): 45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %

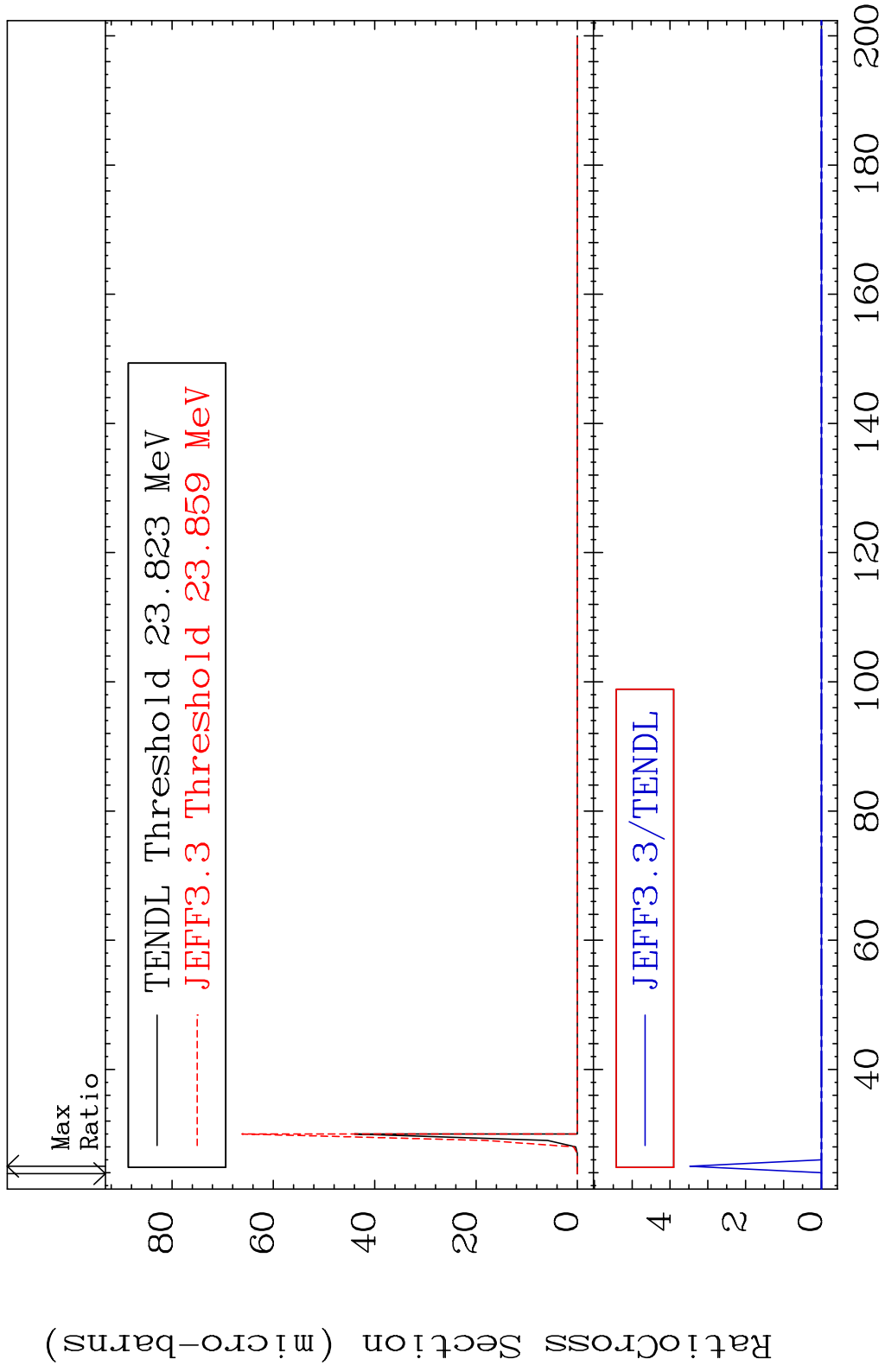


67 Incident Energy (eV) 46-Pd-102

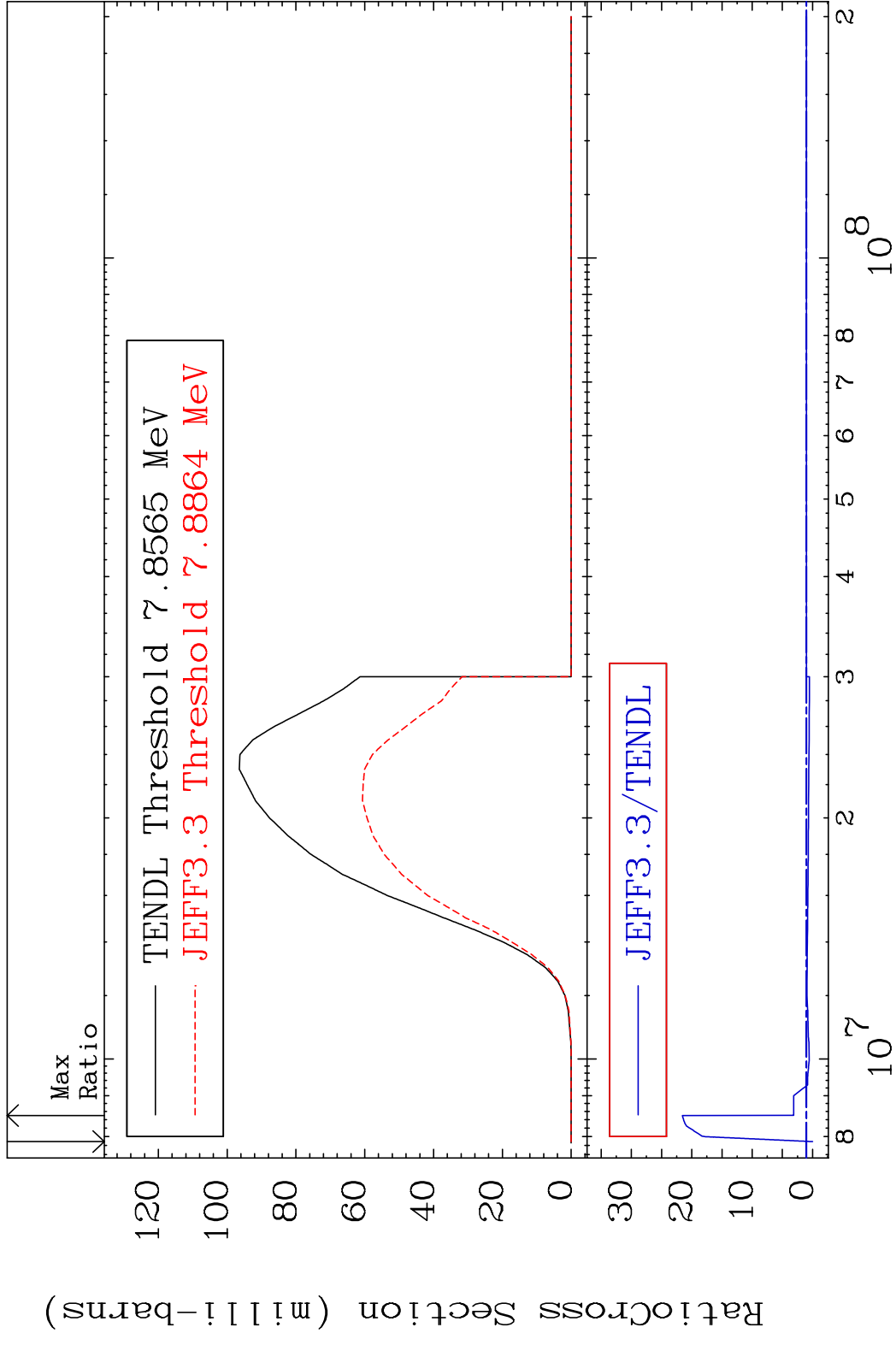
MAT 4625 (n, t): 45-Rh-100m4 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4625 (n,2n) d:45-Rh-99m1 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %

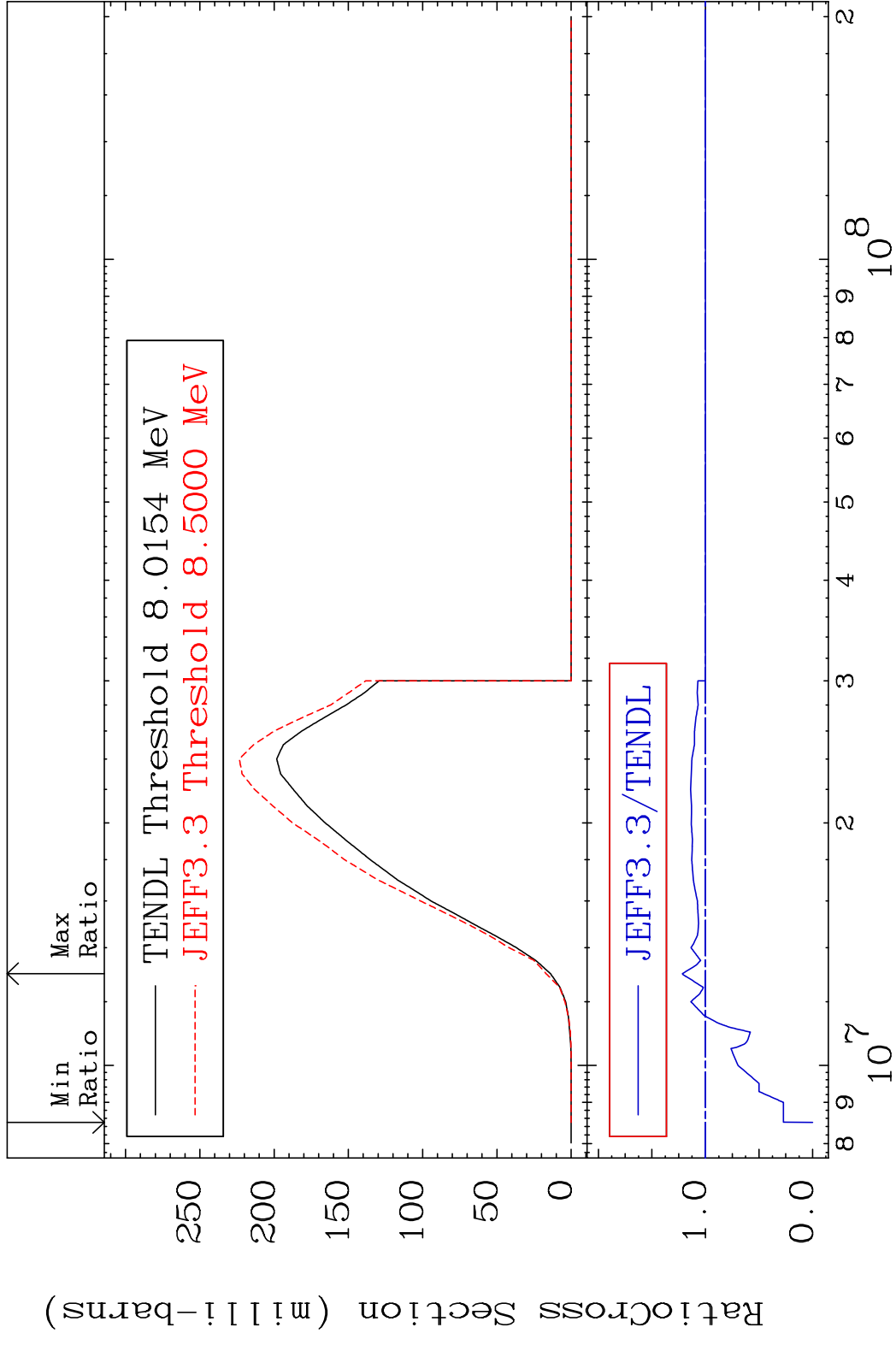


MAT 4625 (n, n') p:45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section 18000 dth 2056. %

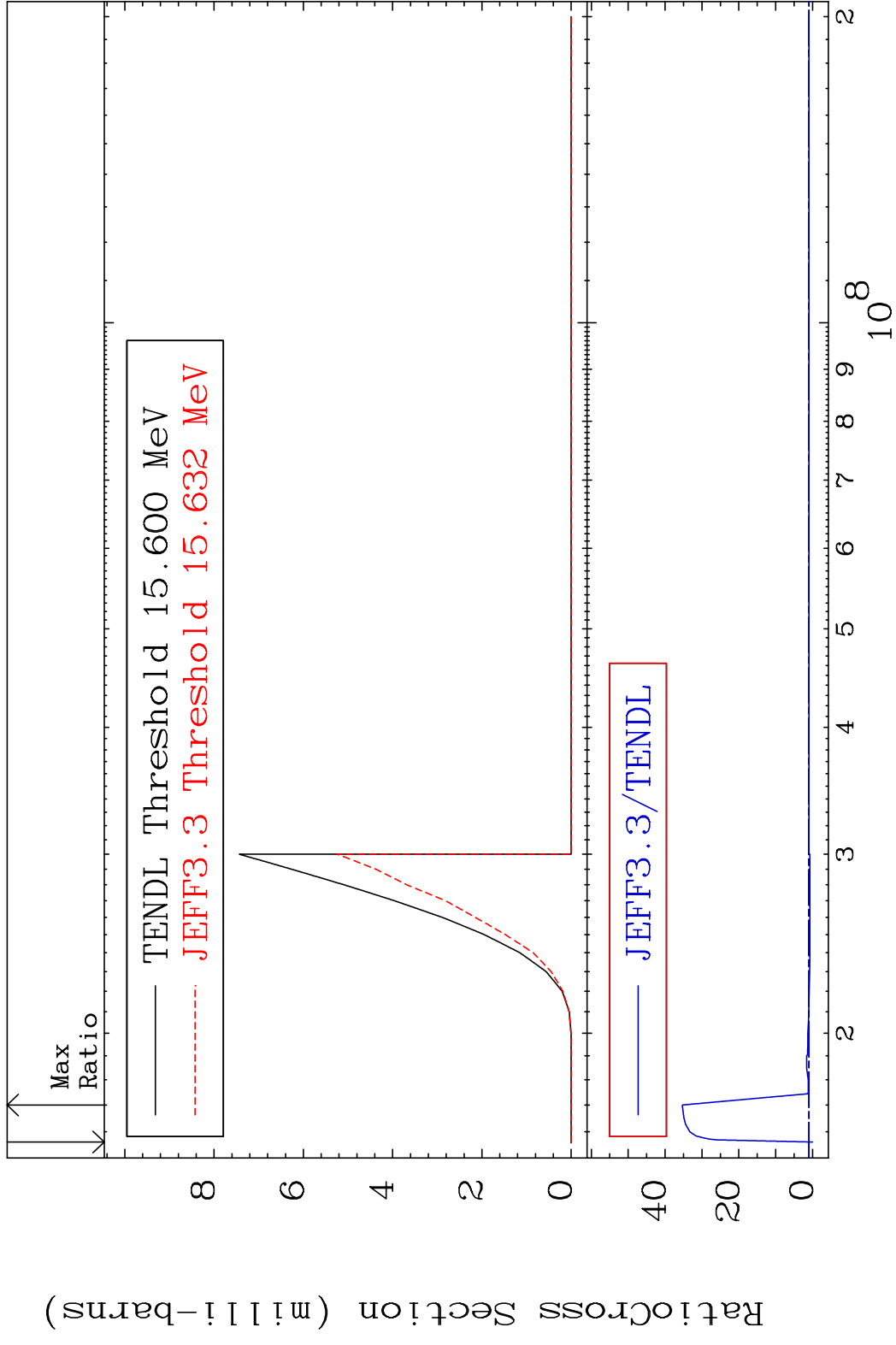


70 Incident Energy (eV) 46-Pd-102

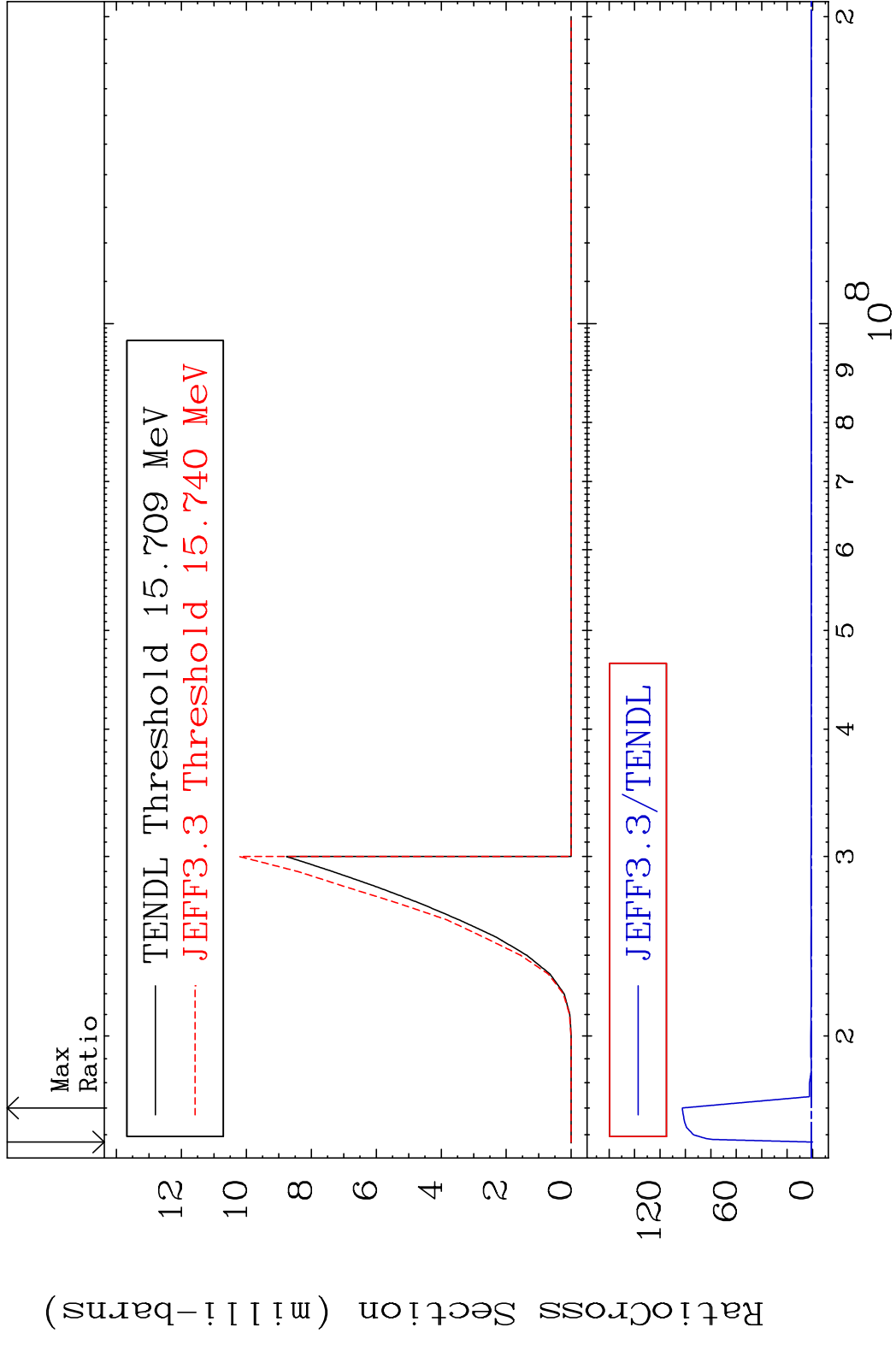
MAT 4625 (n, n') p:45-Rh-101m1 46-Pd-102
 Radionuclide Production Cross Section Ratio 21.58 %

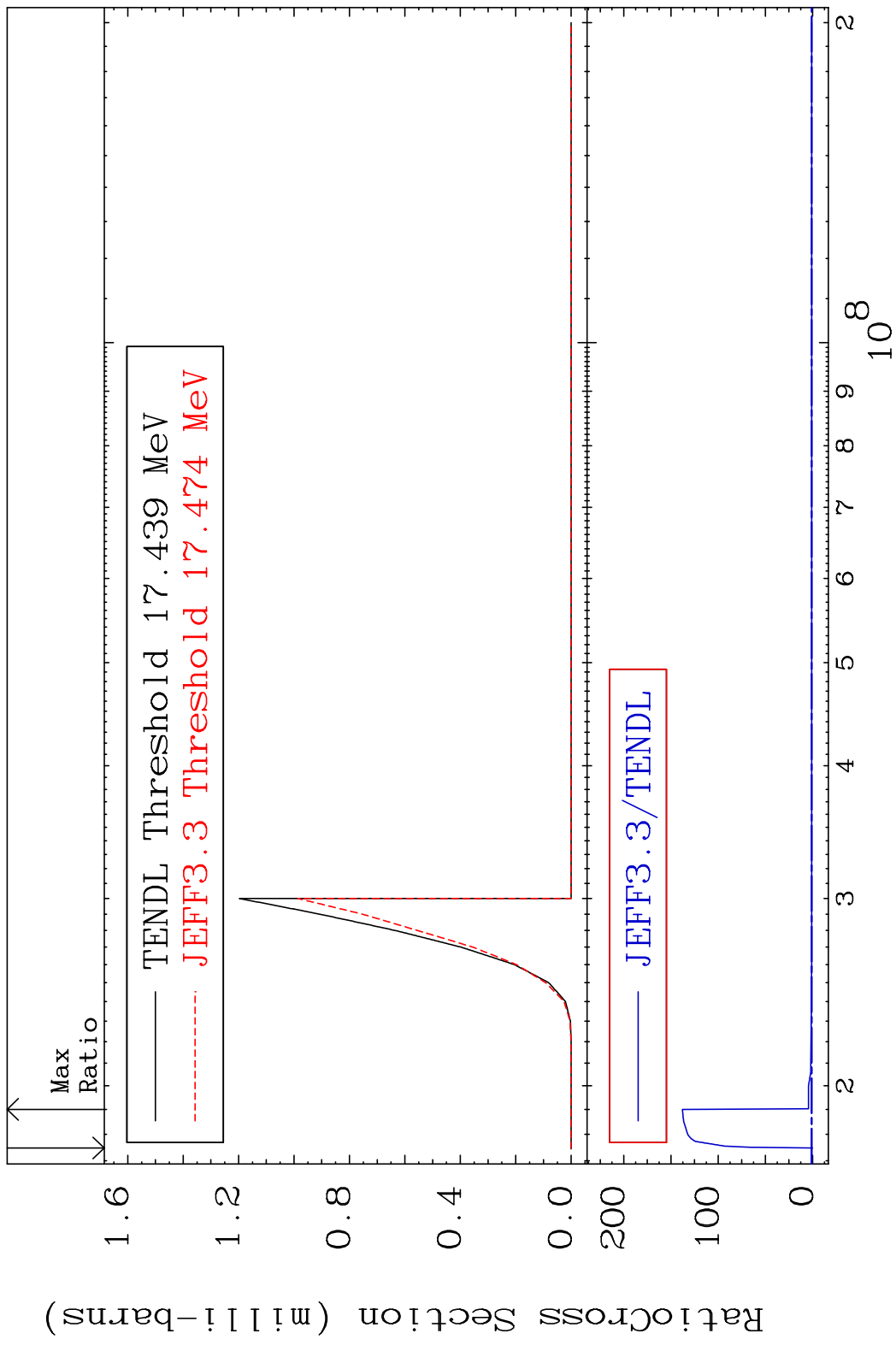


MAT 4625 (n, n') d:45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 1800 d to 3431 . %

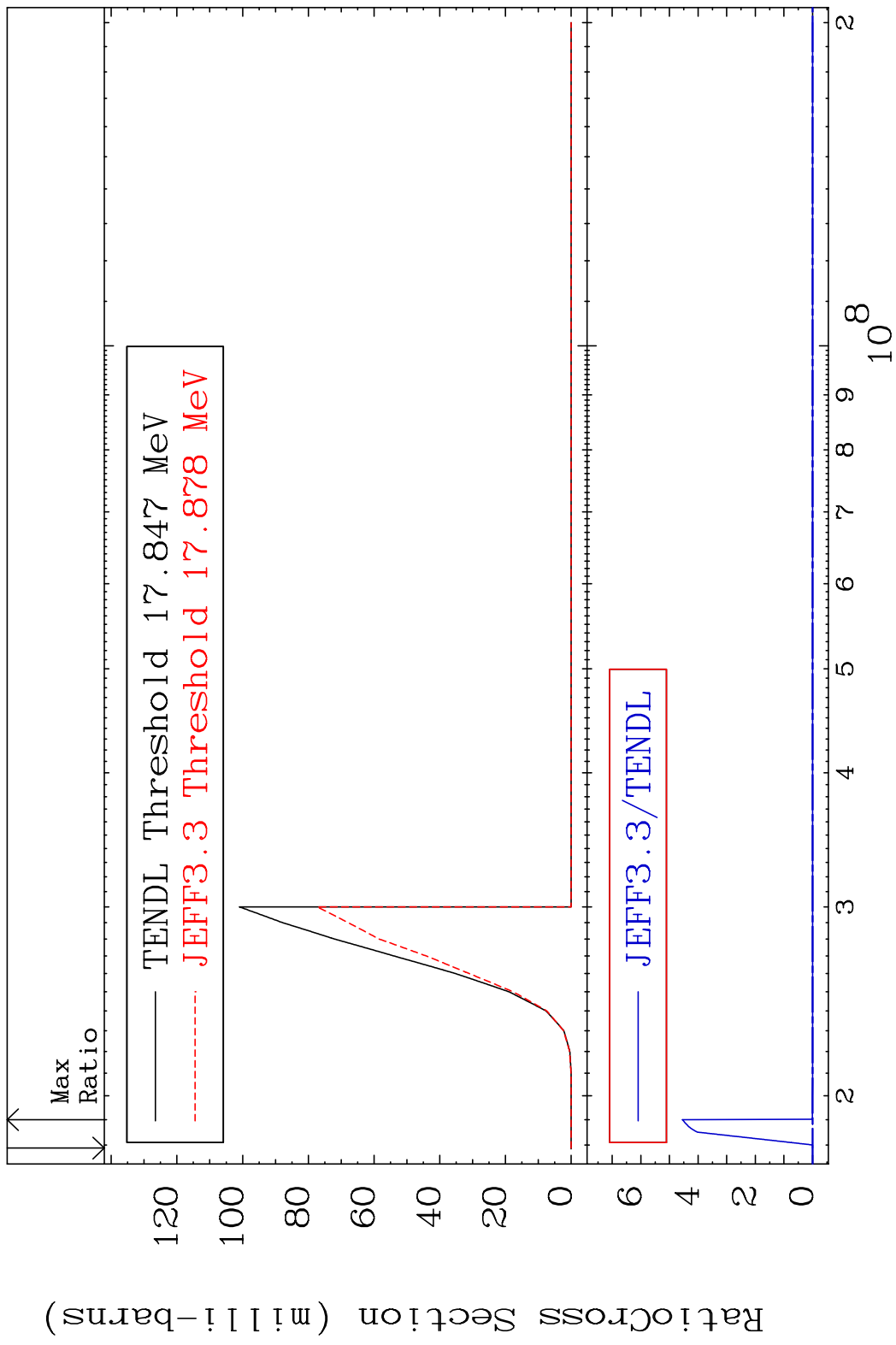


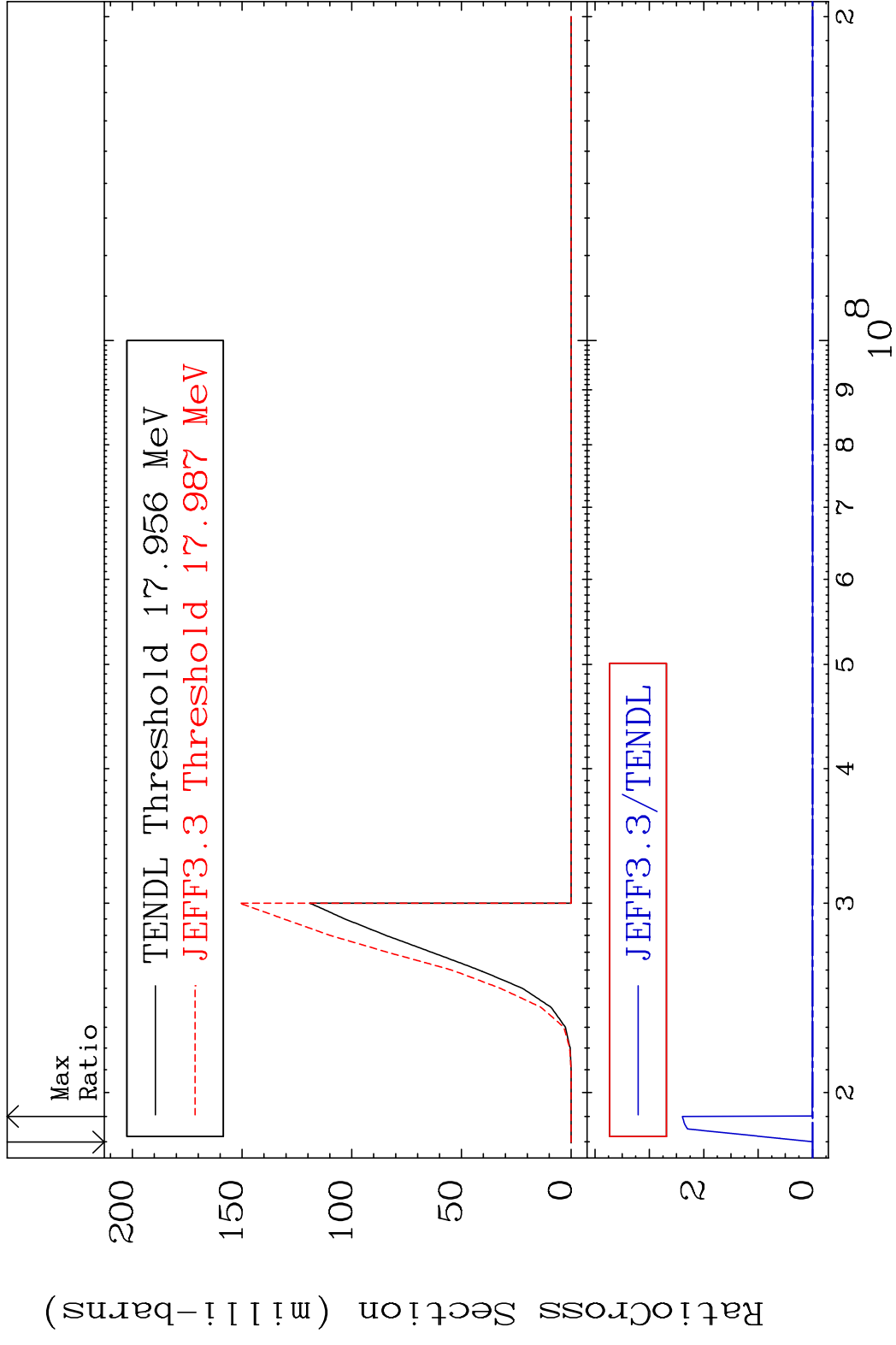
MAT 4625 (n, n') d:45-Rh-100m4 46-Pd-102
 Radionuclide Production Cross Section 100% to 9999. %

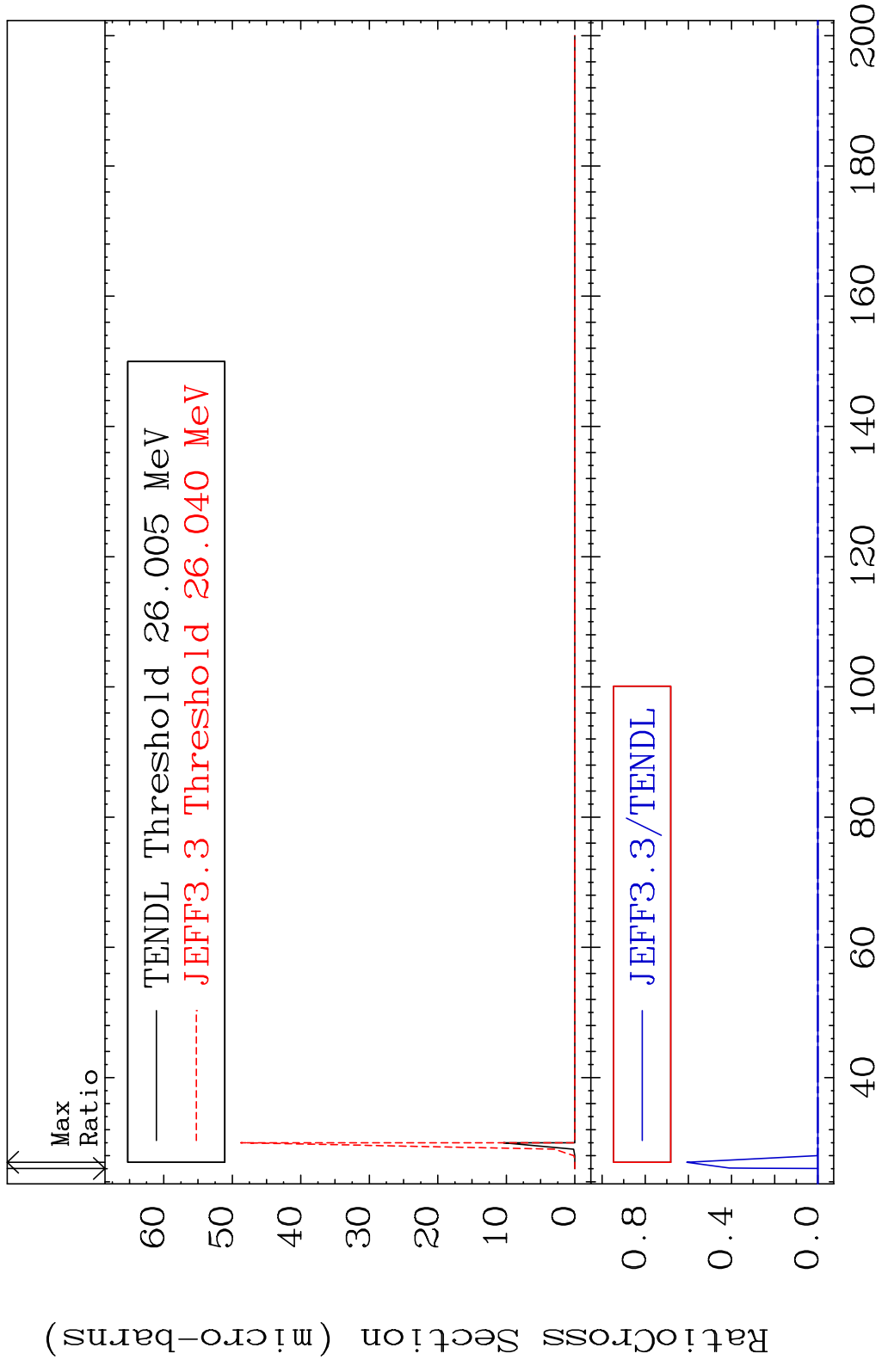




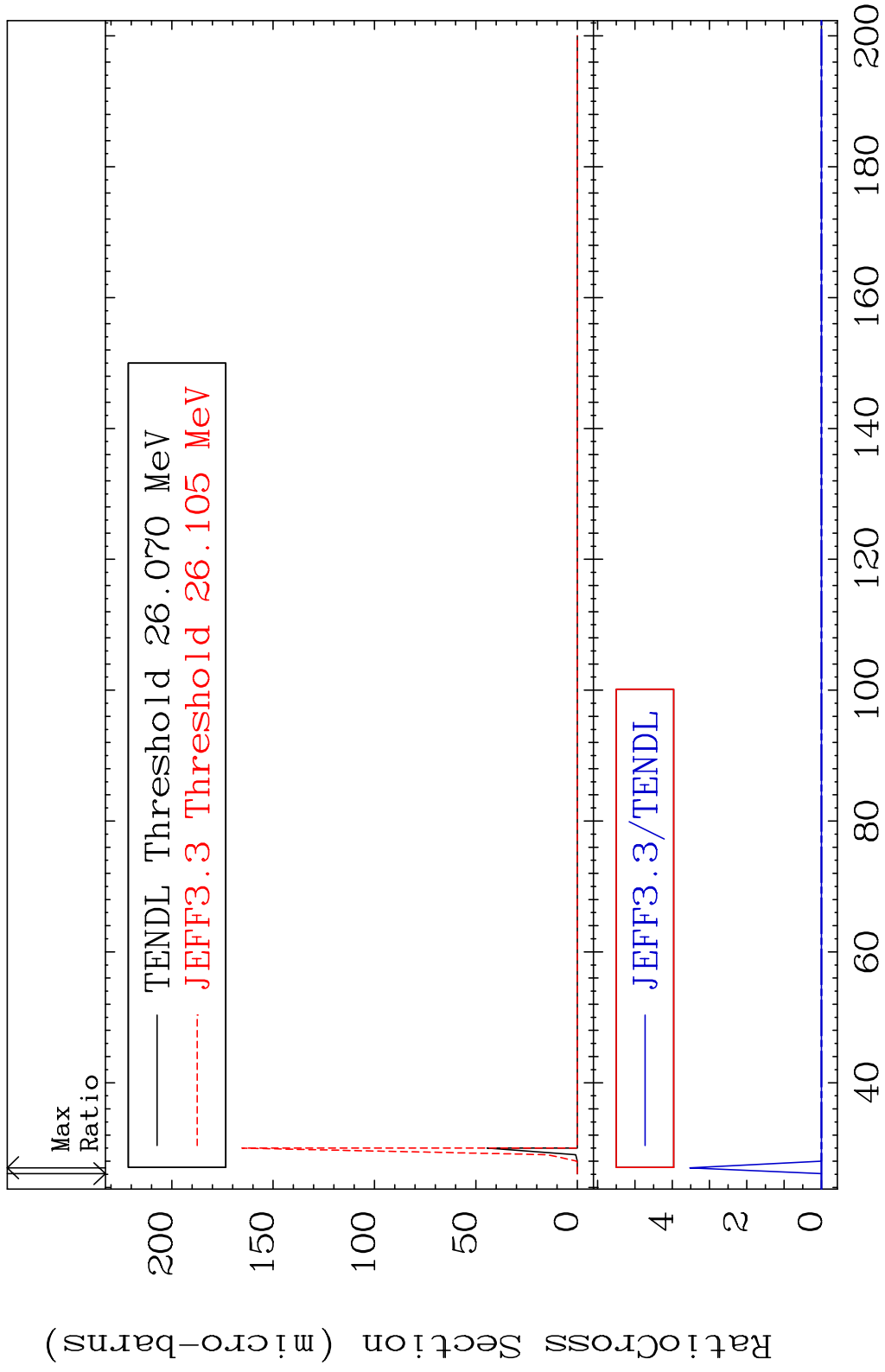
MAT 4625 (n,2n) p:45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 100.00000000000000 %

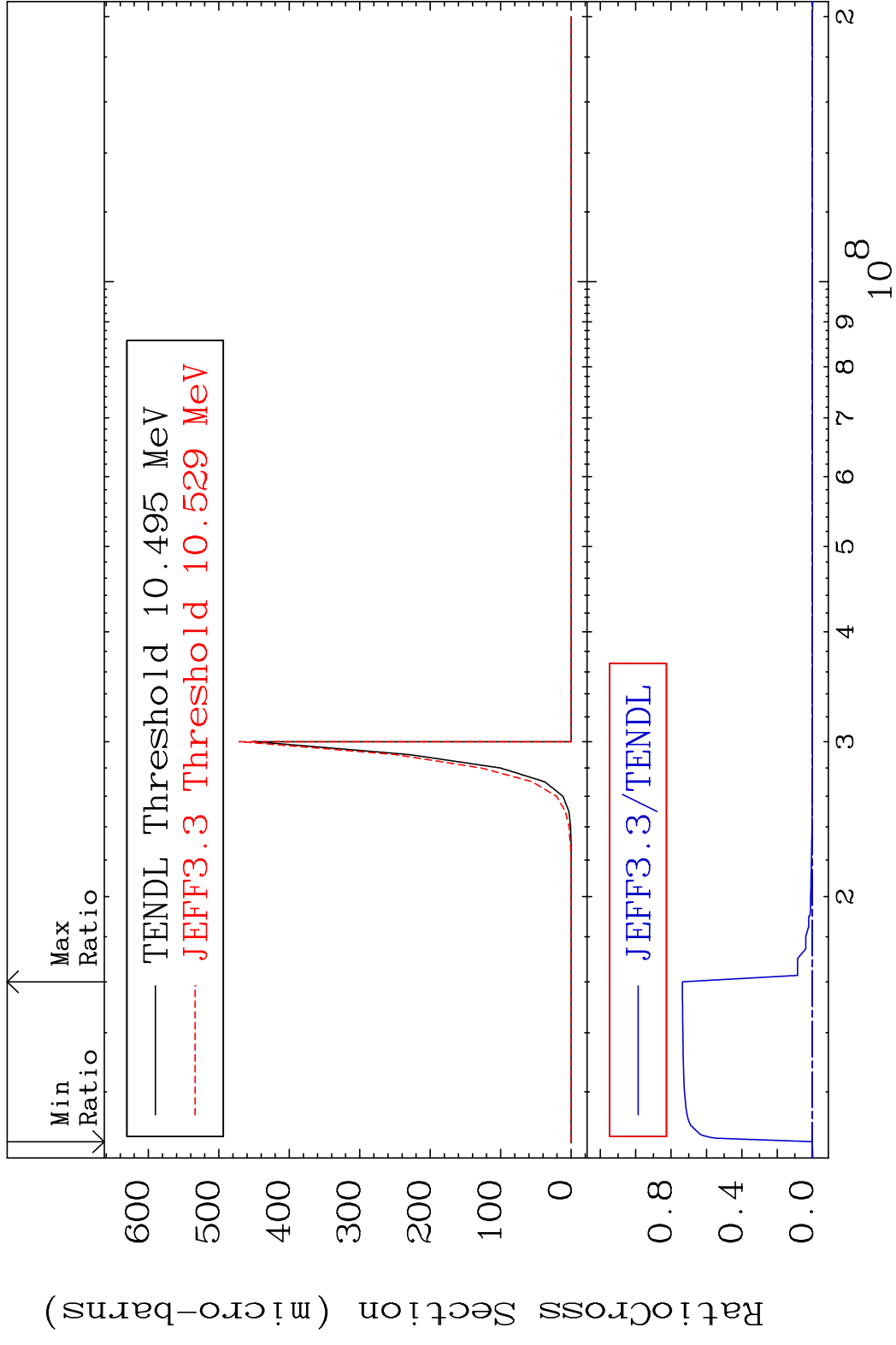


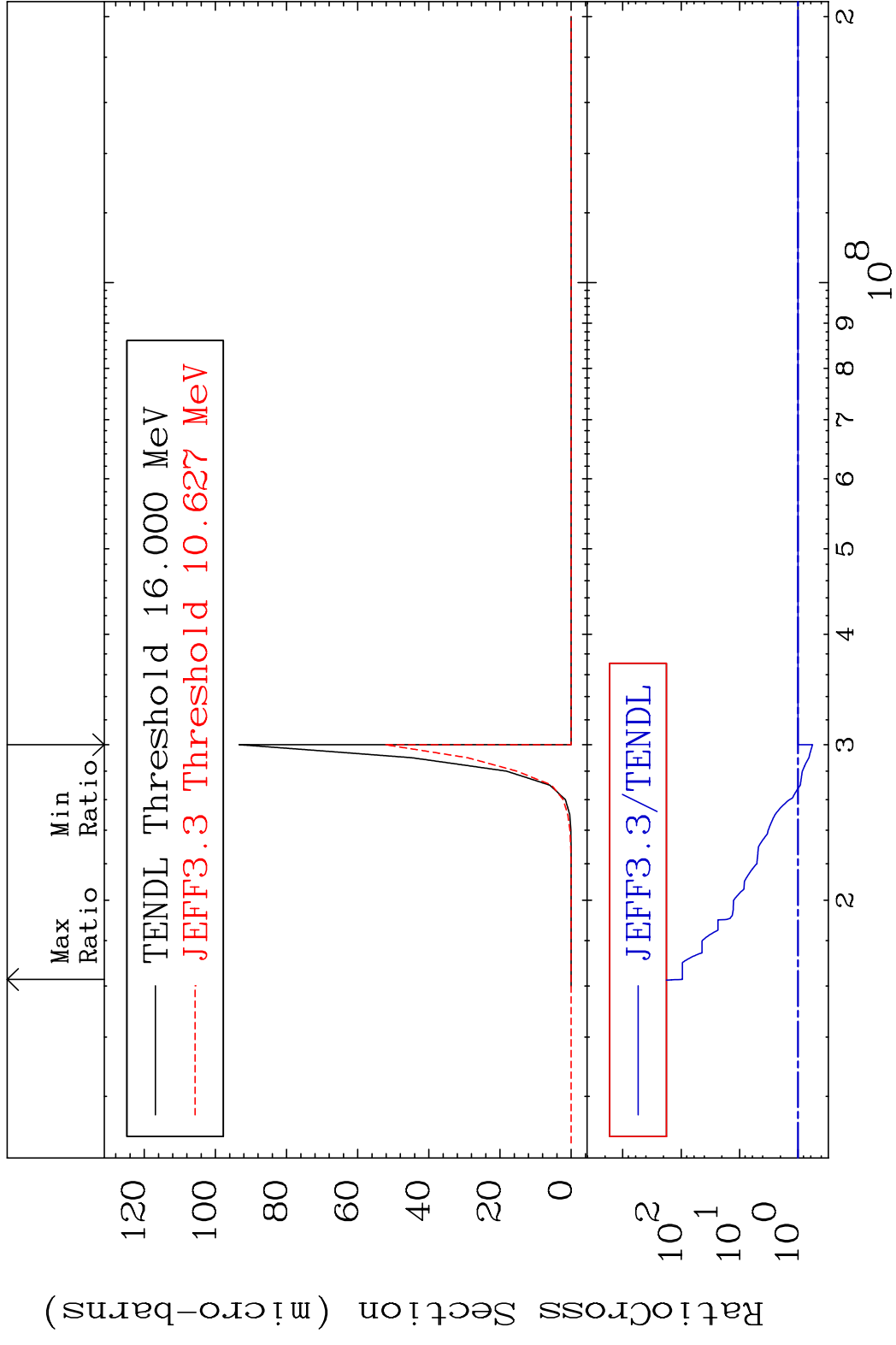




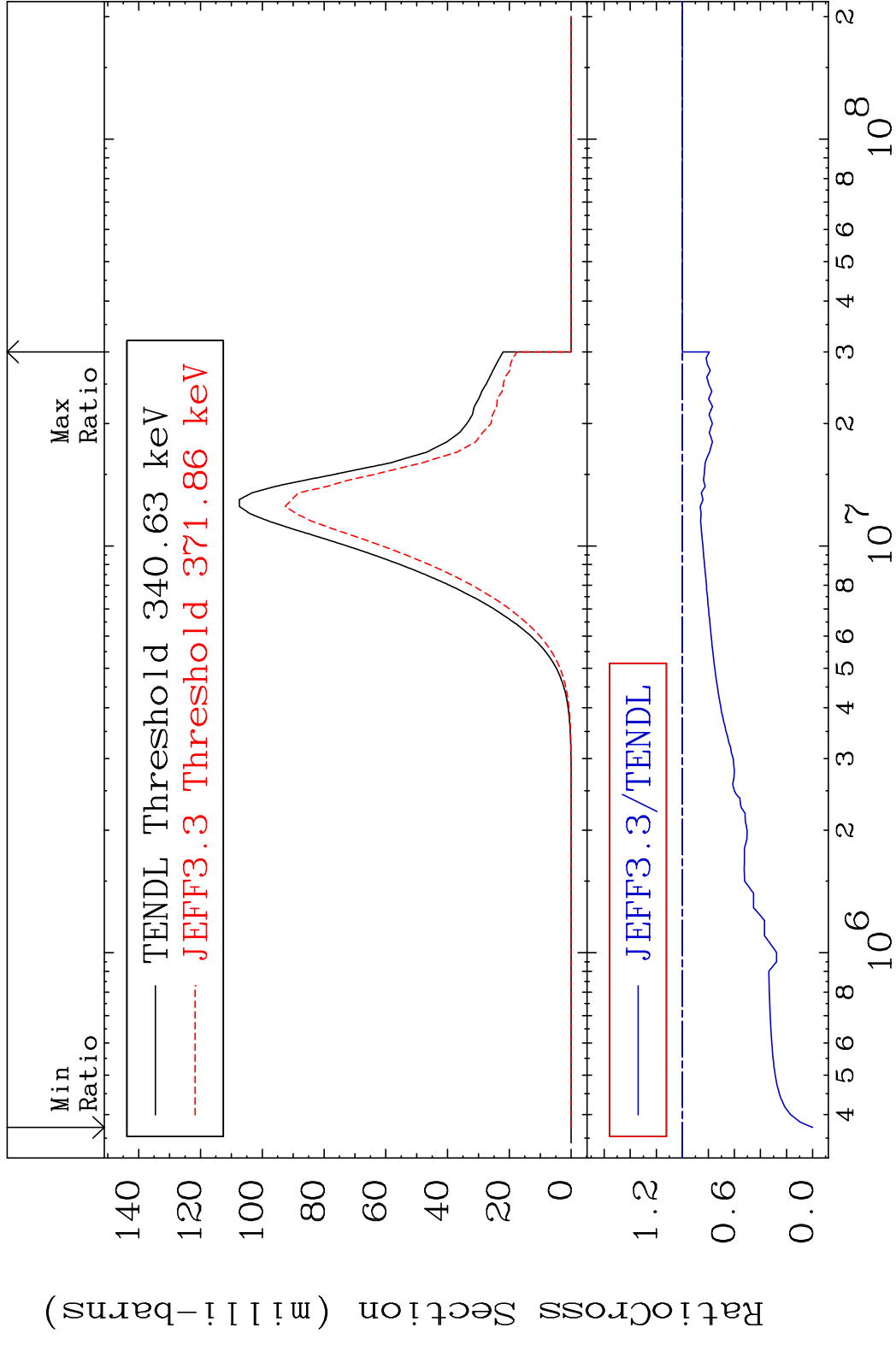
MAT 4625 (n,3n) p:45-Rh-99m1 46-Pd-102
 Radionuclide Production Cross Section Ratio 9999. %



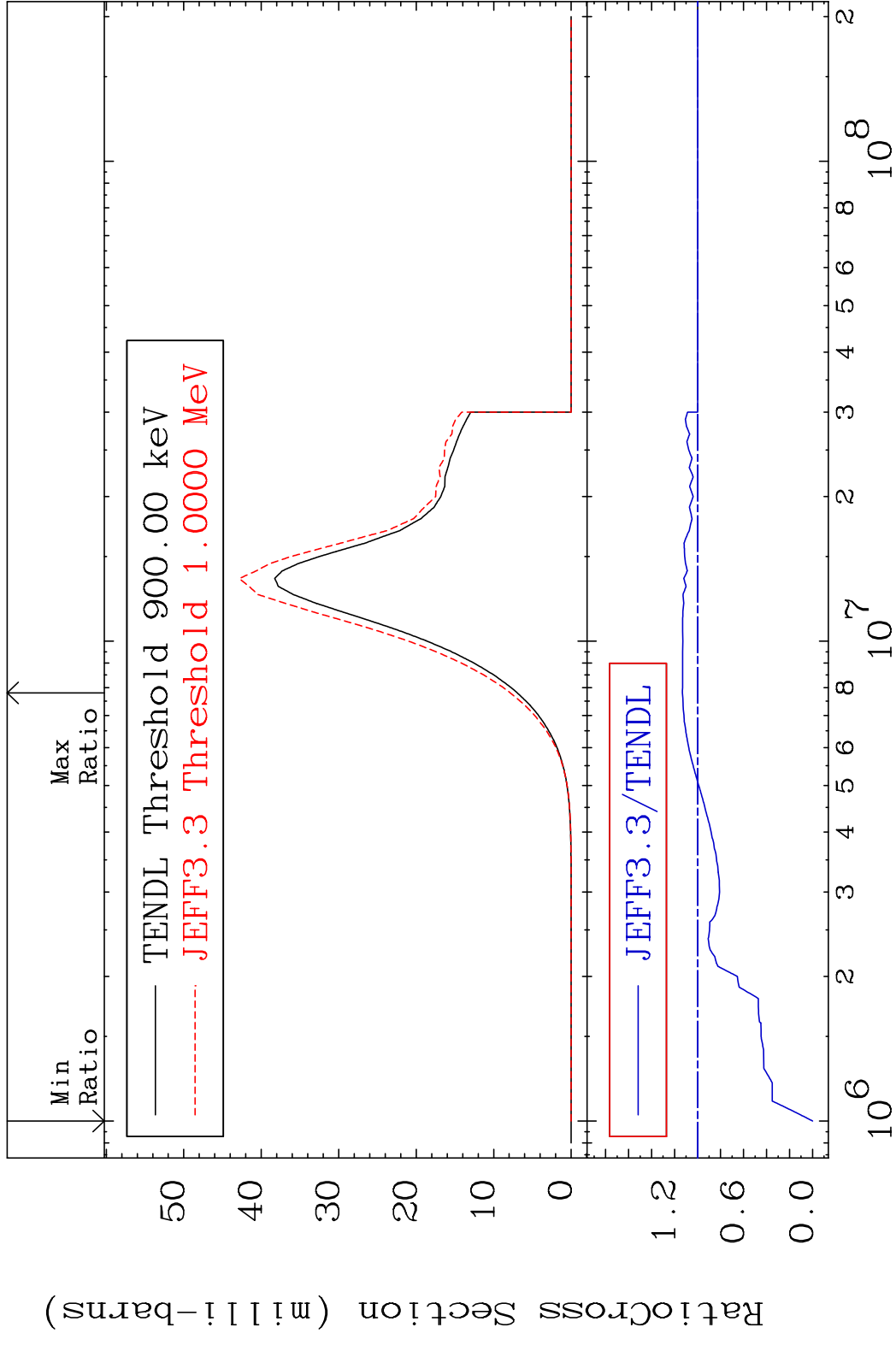




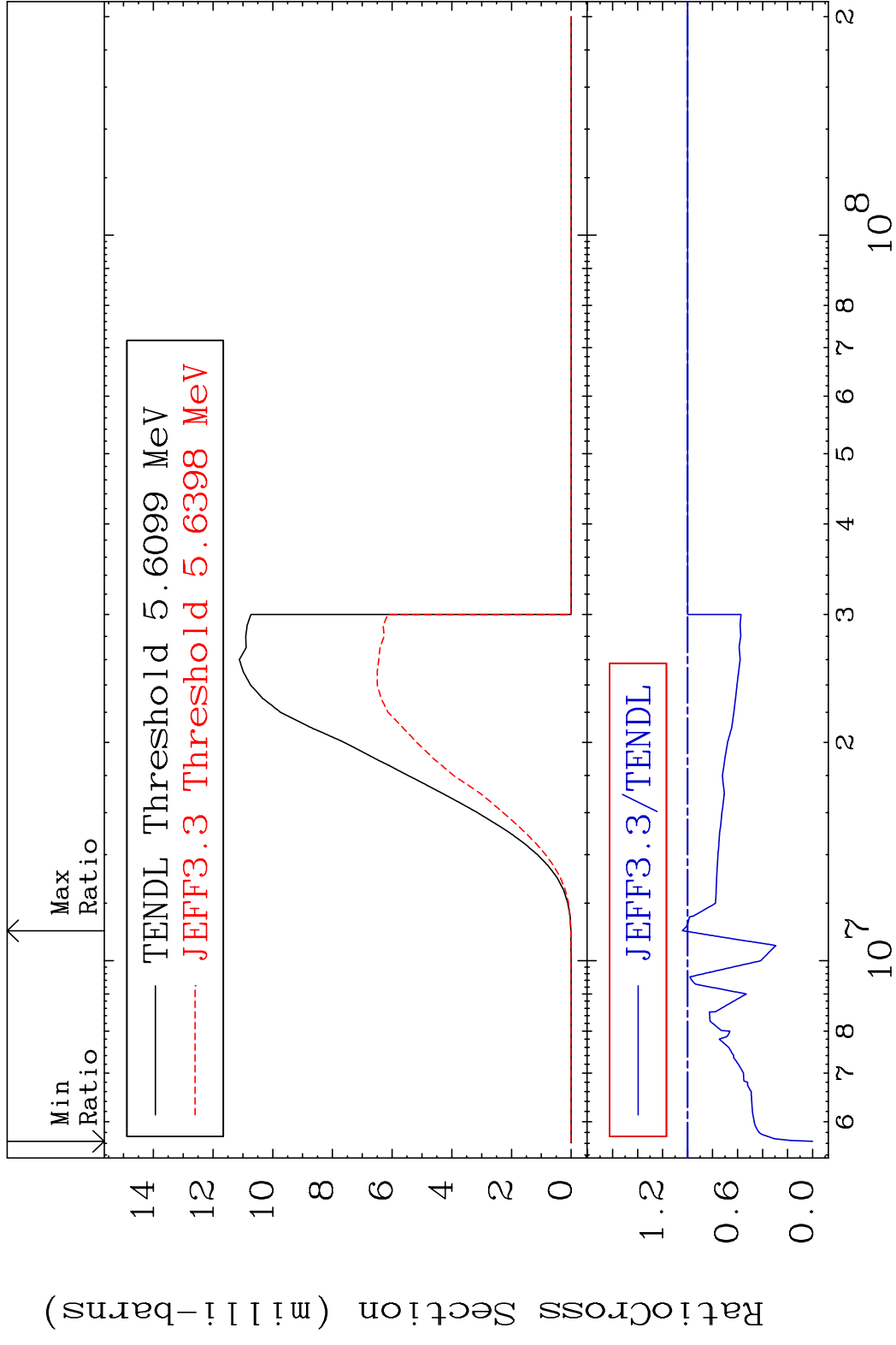
MAT 4625 (n,p):45-Rh-102g 46-Pd-102
 Radionuclide Production Cross Section 100.000 %
 0.000 %



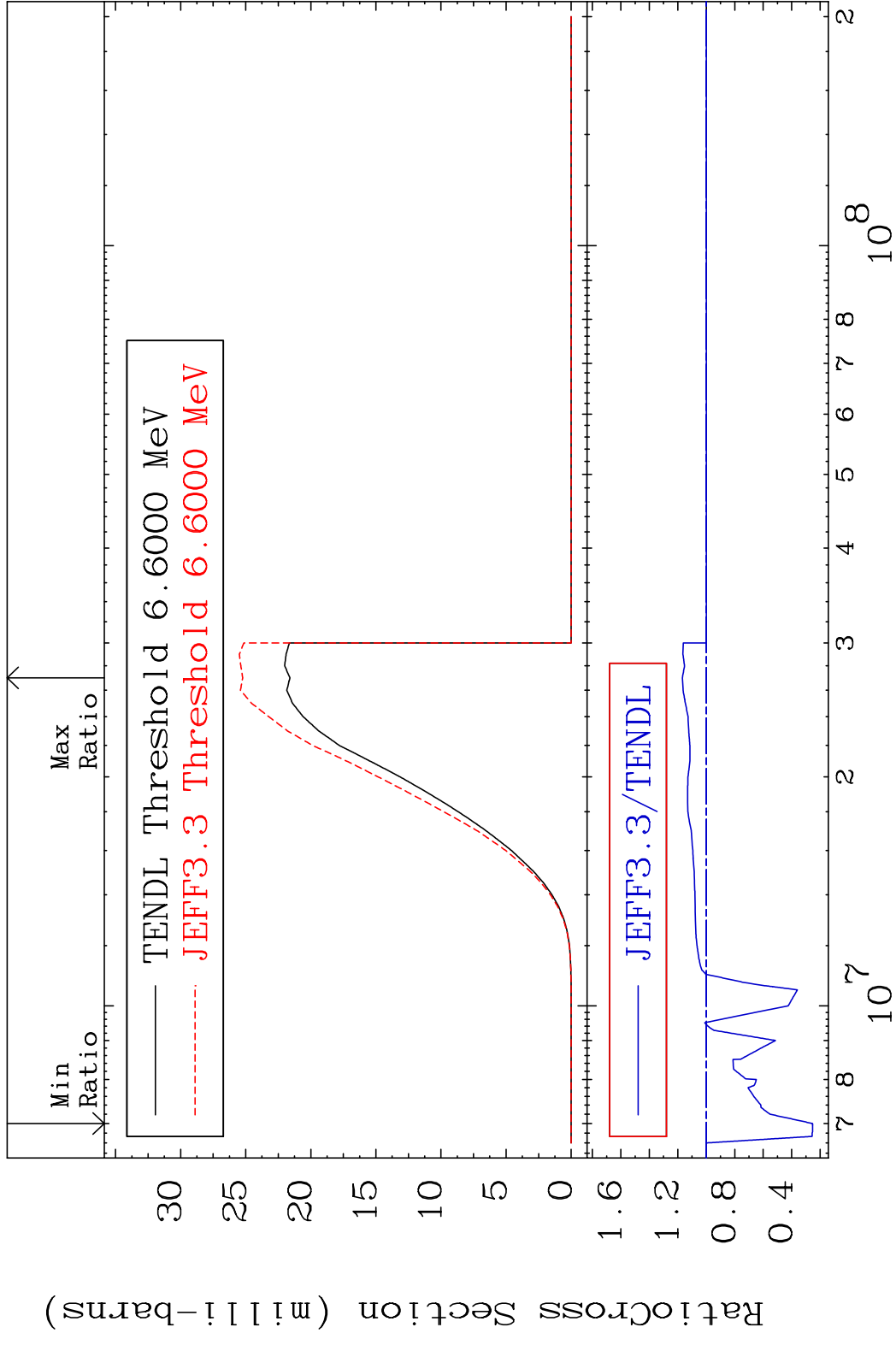
MAT 4625 (n, p): 45-Rh-102m5 46-Pd-102
 Radionuclide Production Cross Section 13.25 %



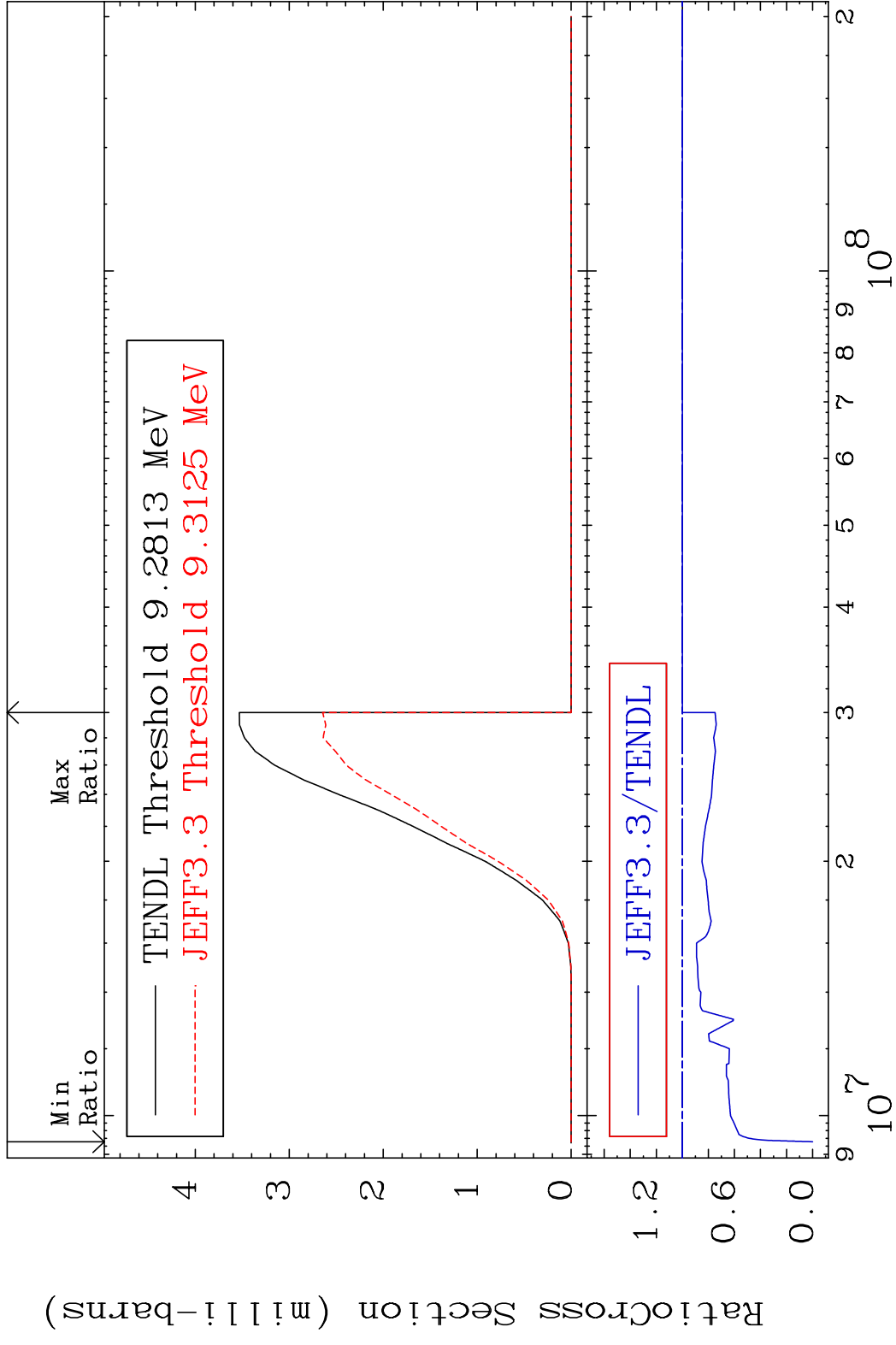
MAT 4625 (n, d) : 45-Rh-101g 46-Pd-102
 Radionuclide Production Cross Section Ratio 4.187 %



MAT 4625 (n, d): 45-Rh-101m1 46-Pd-102
 Radionuclide Production Cross Section 16.80 %

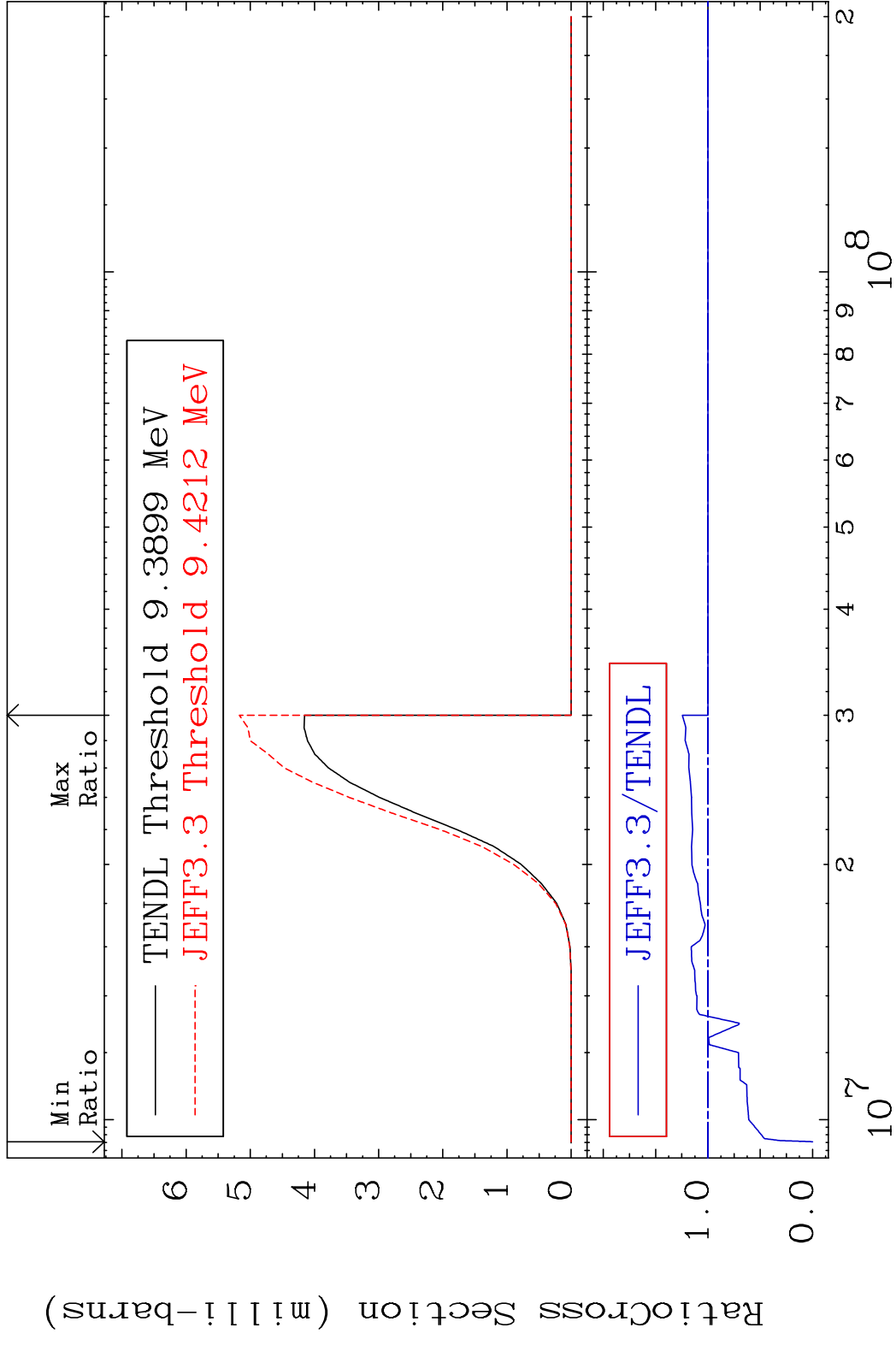


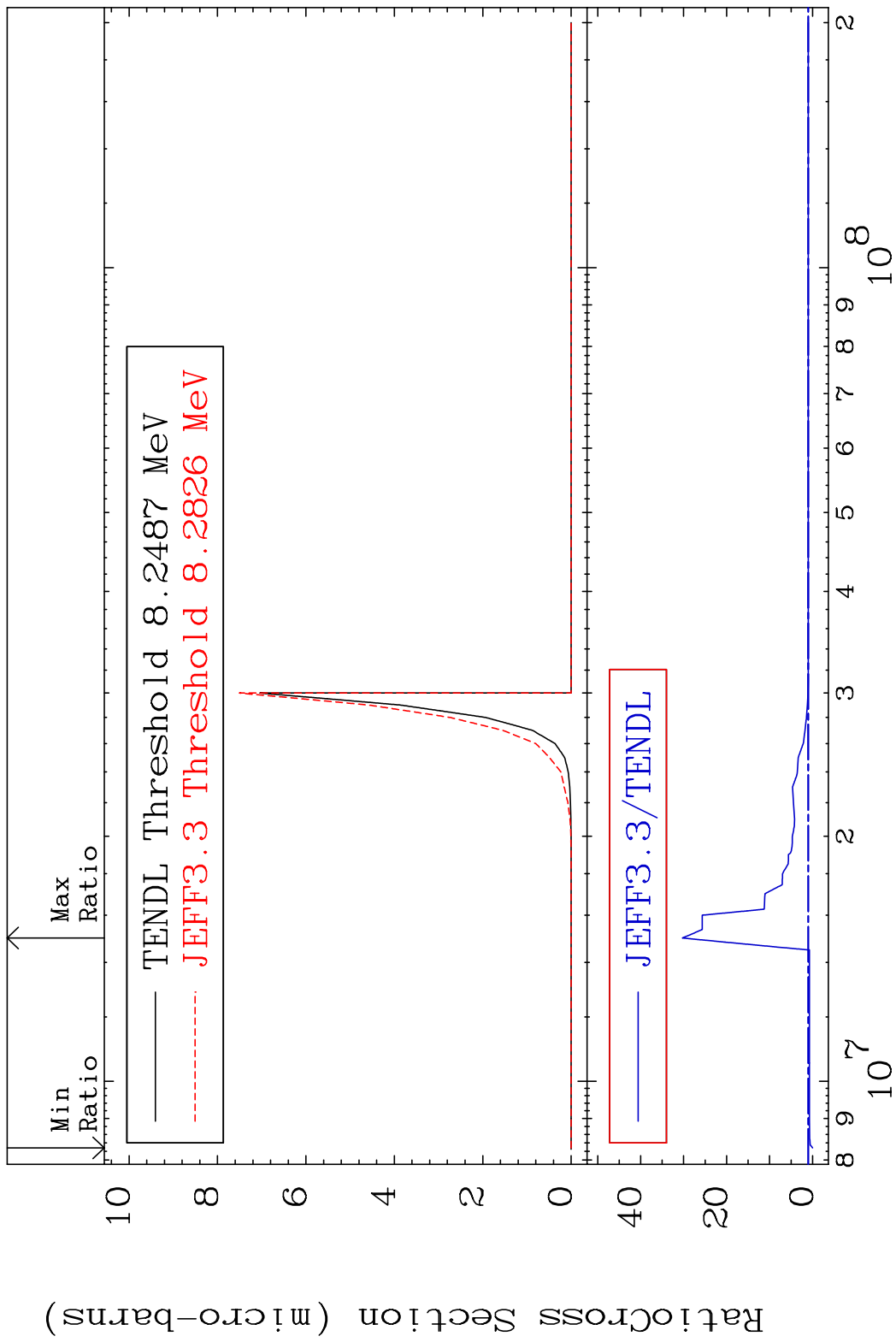
MAT 4625 (n, t): 45-Rh-100g 46-Pd-102
 Radionuclide Production Cross Section 1800 dth 0.000 %



86 Incident Energy (eV) 46-Pd-102

MAT 4625 (n, t): 45-Rh-100m4 46-Pd-102
 Radionuclide Production Cross Section Ratio 24.44 %





MAT 4625 (n, d) α :43-Tc-97m1 46-Pd-102
 Radionuclide Production Cross Section Ratio 2649. %

