

Program Complot
(Version 2021-1)

by

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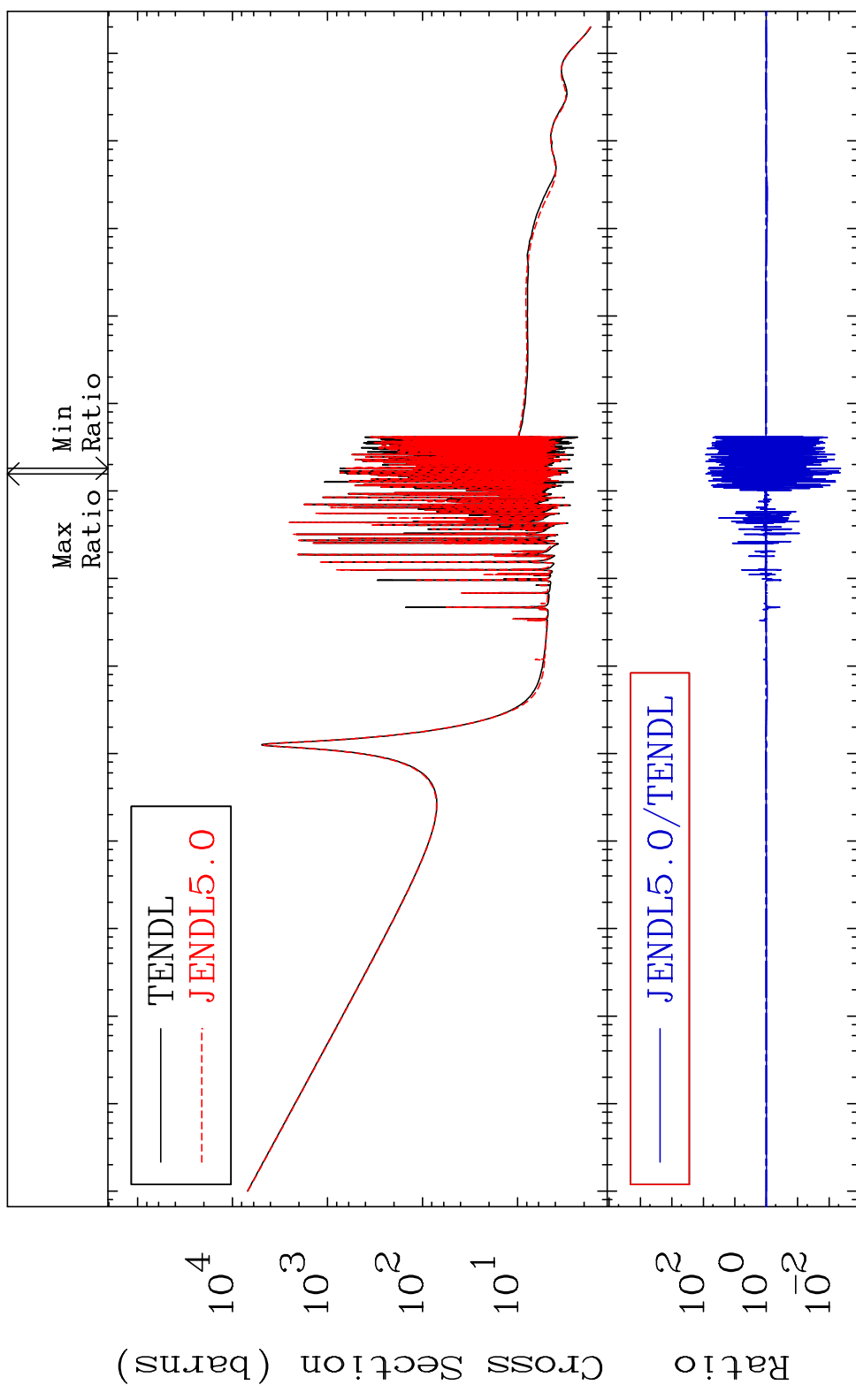
Press Mouse Button to Start

MAT 4525

Total

45-Rh-103

Cross Section -99.56 To 8268. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

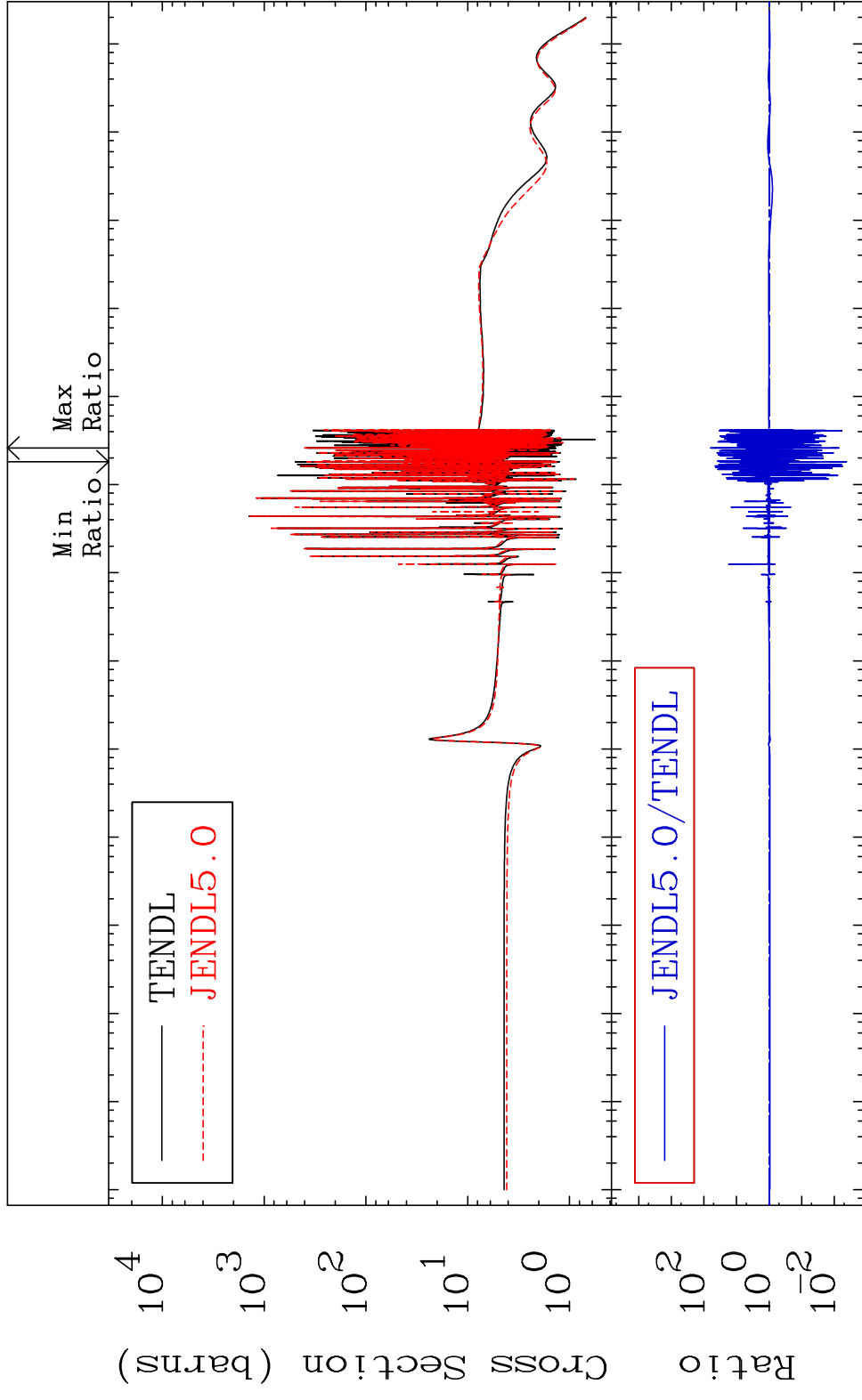
45-Rh-103

MAT 4525

Elastic

45-Rh-103

Cross Section -99.57 To 6081. %



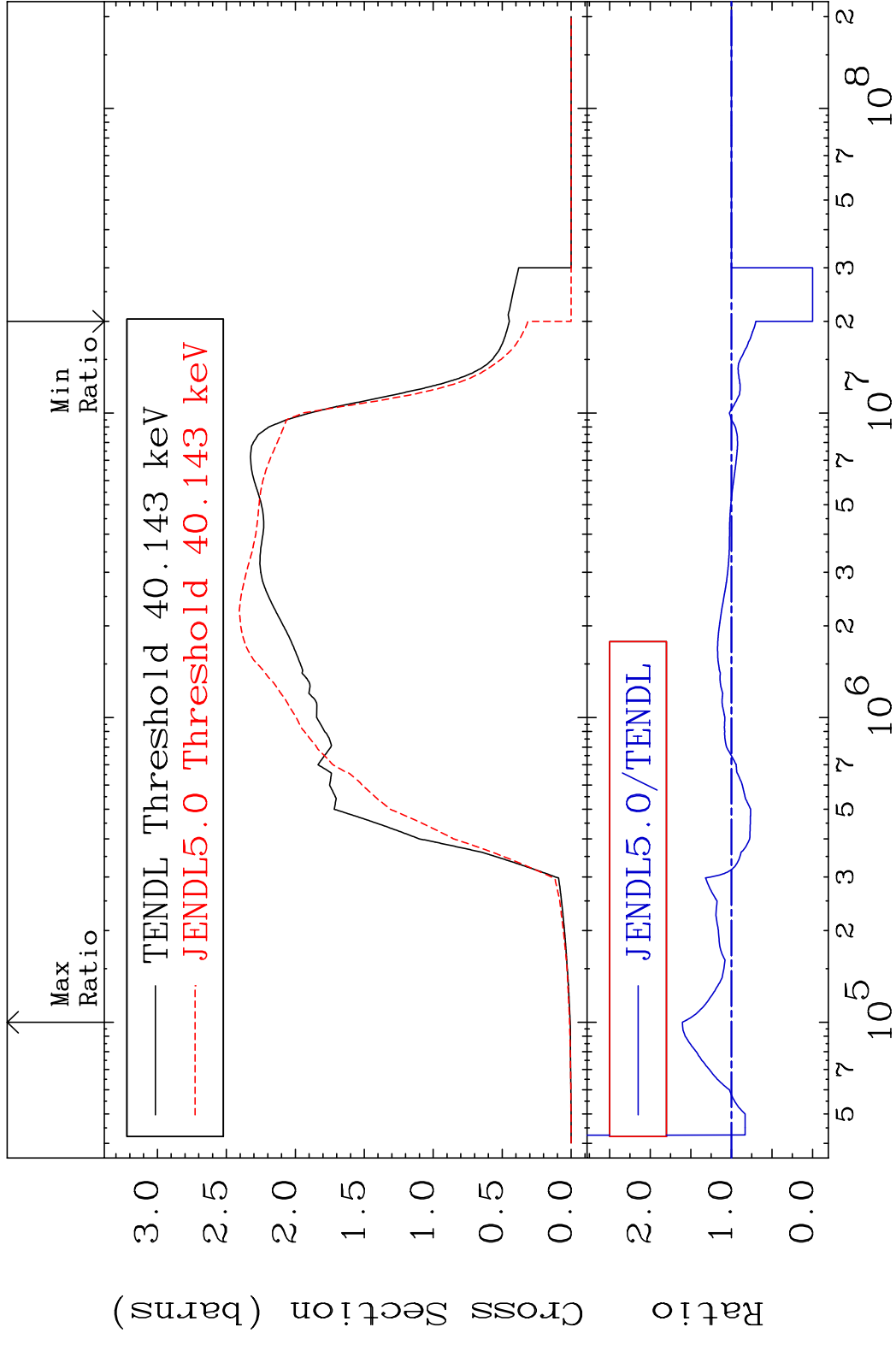
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

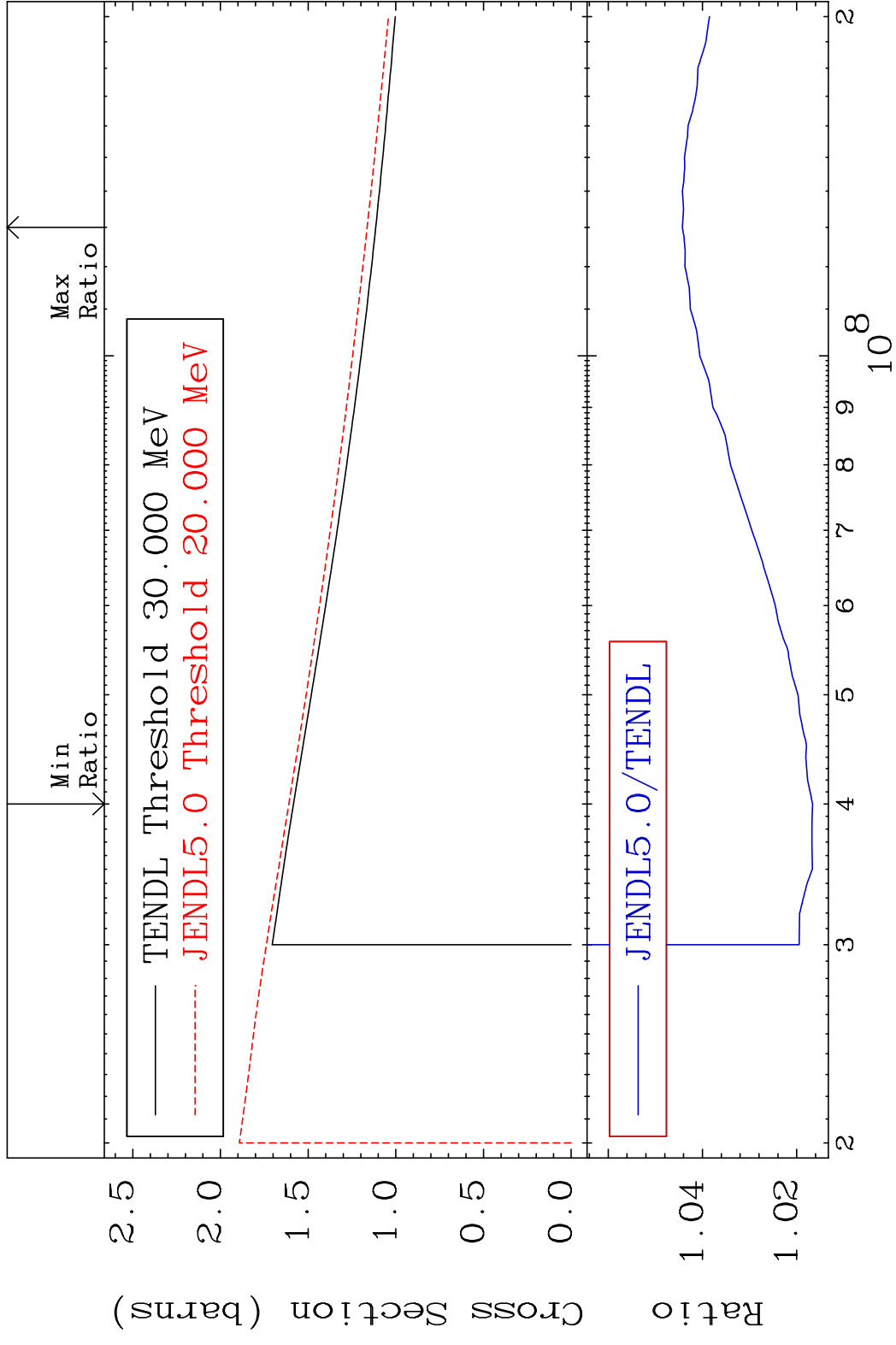
Incident Energy (eV)

45-Rh-103

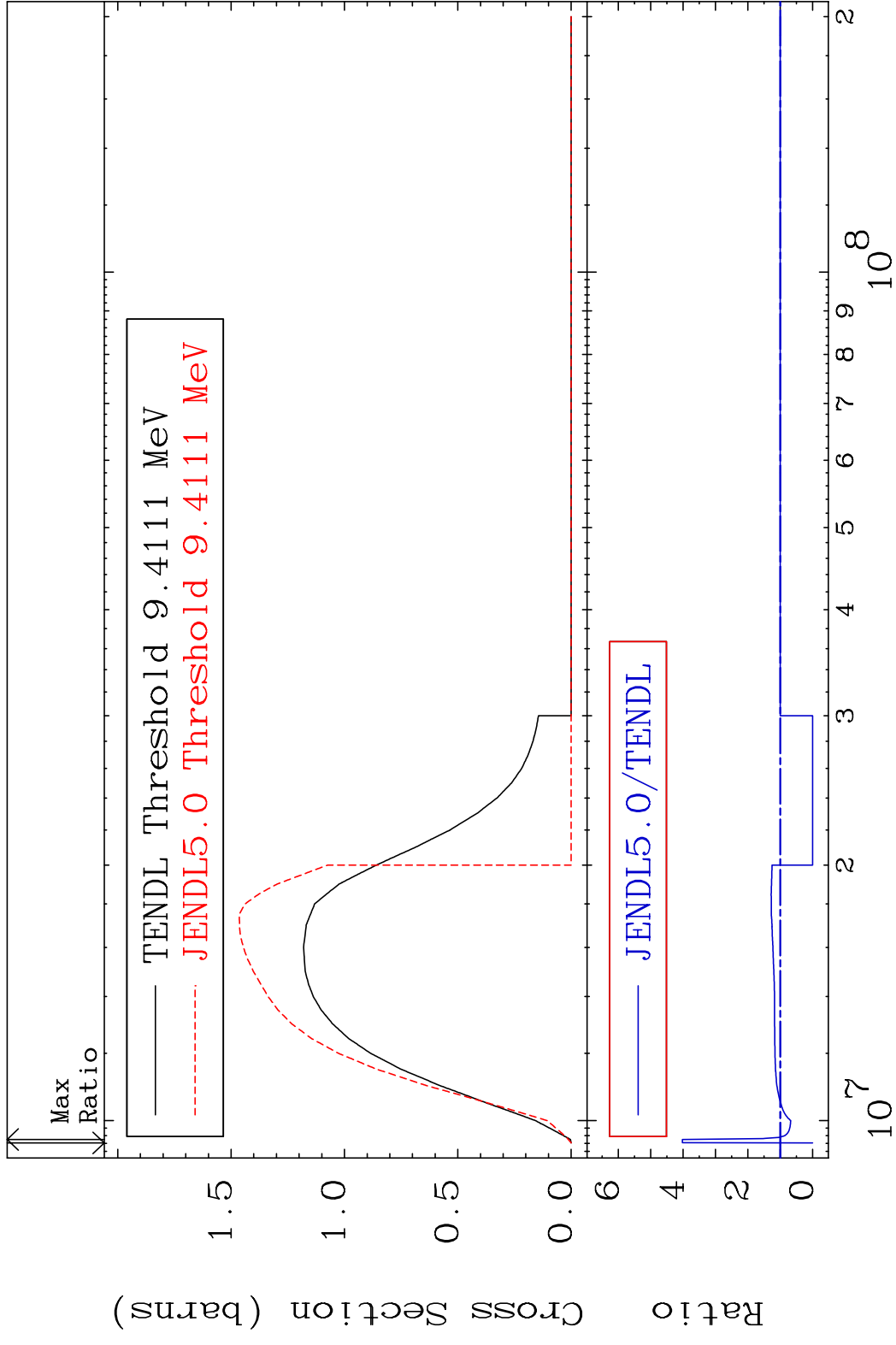
MAT 4525 Inelastic Cross Section -100.0 To 60.42 % 45-Rh-103



MAT 4525 (n, remainder) 45-Rh-103
 Cross Section 1.665 To 4.427 %

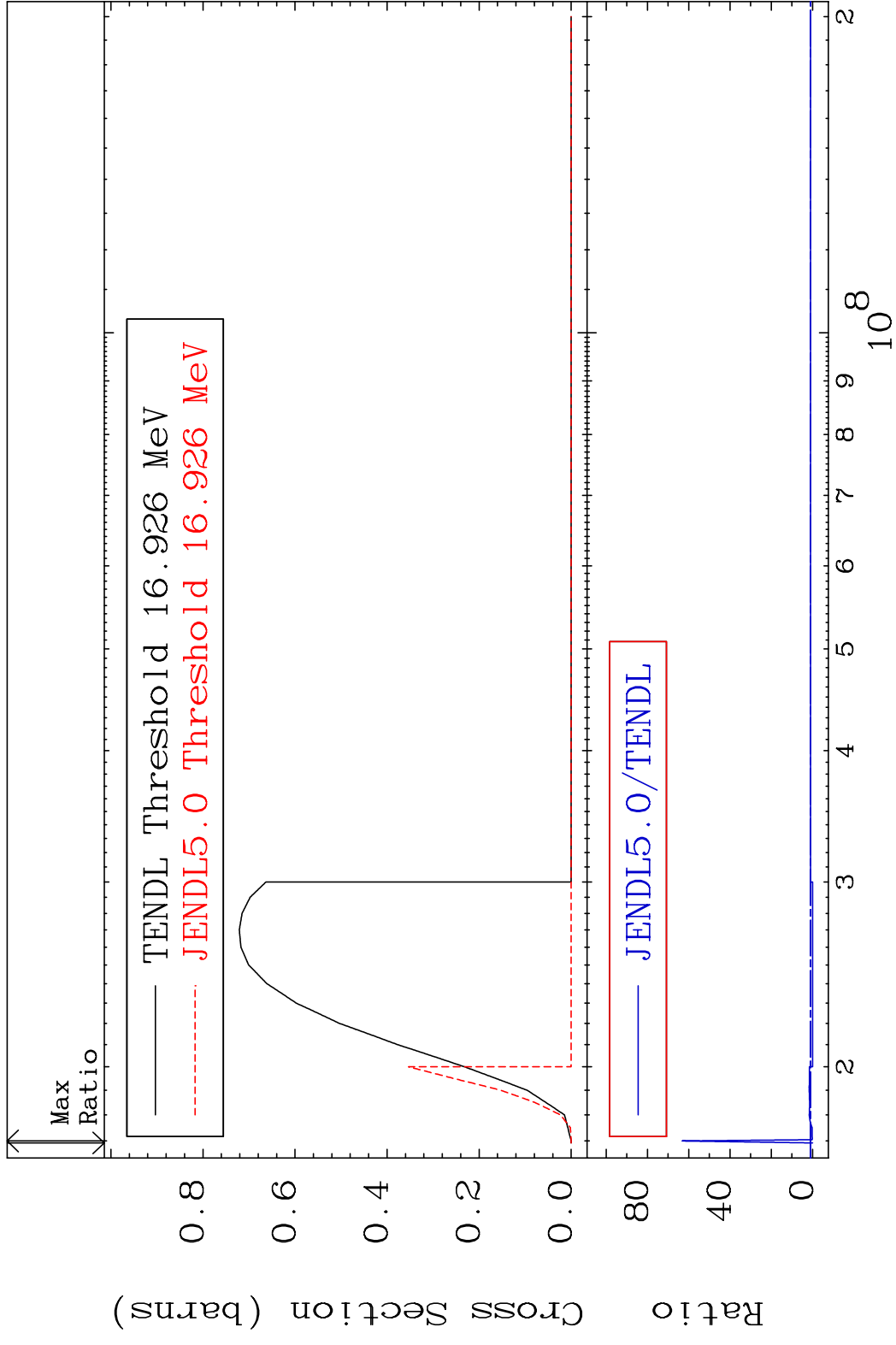


MAT 4525 (n,2n) 45-Rh-103
 Cross Section -100.0 To 302.0 %

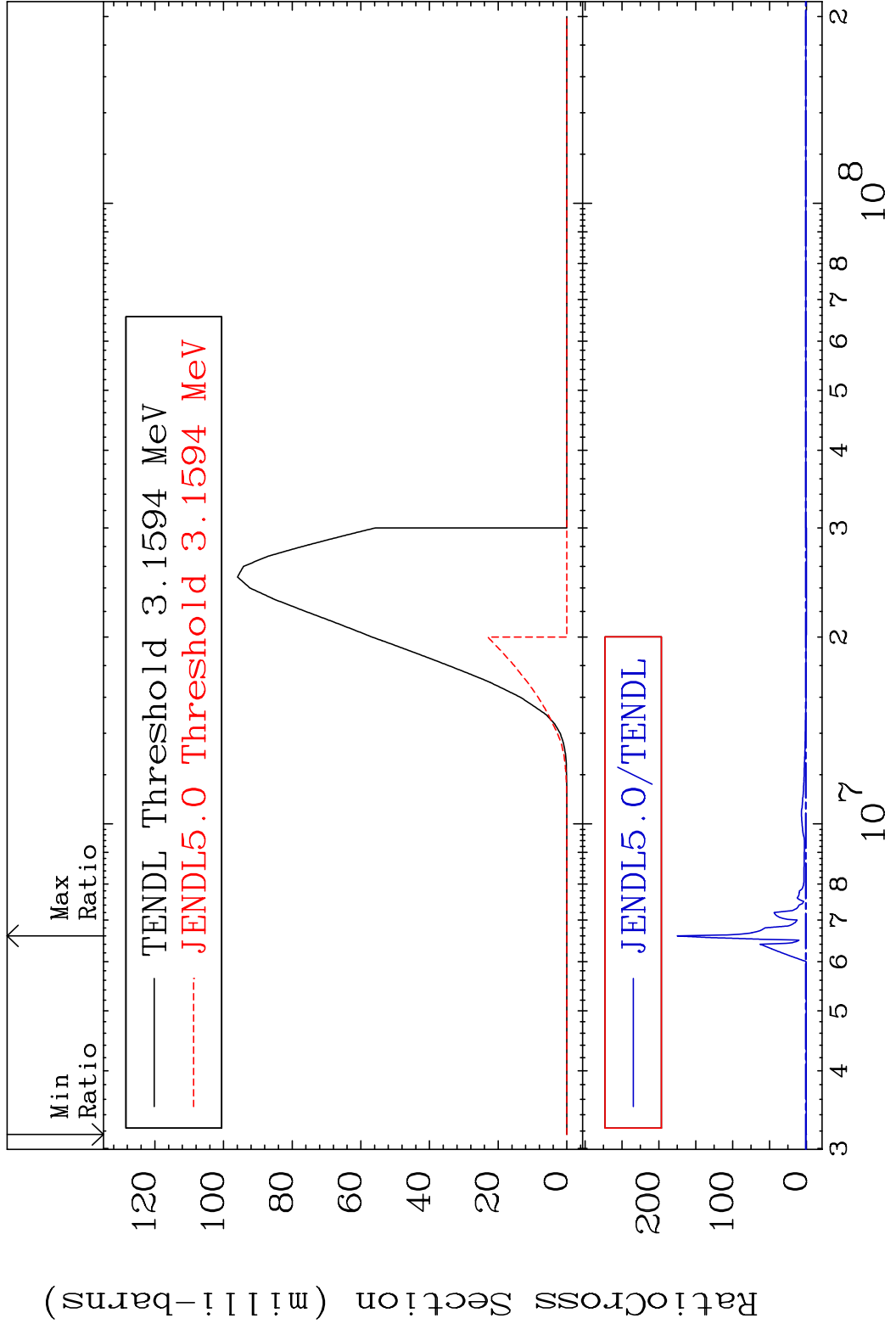


5 Incident Energy (eV) 45-Rh-103

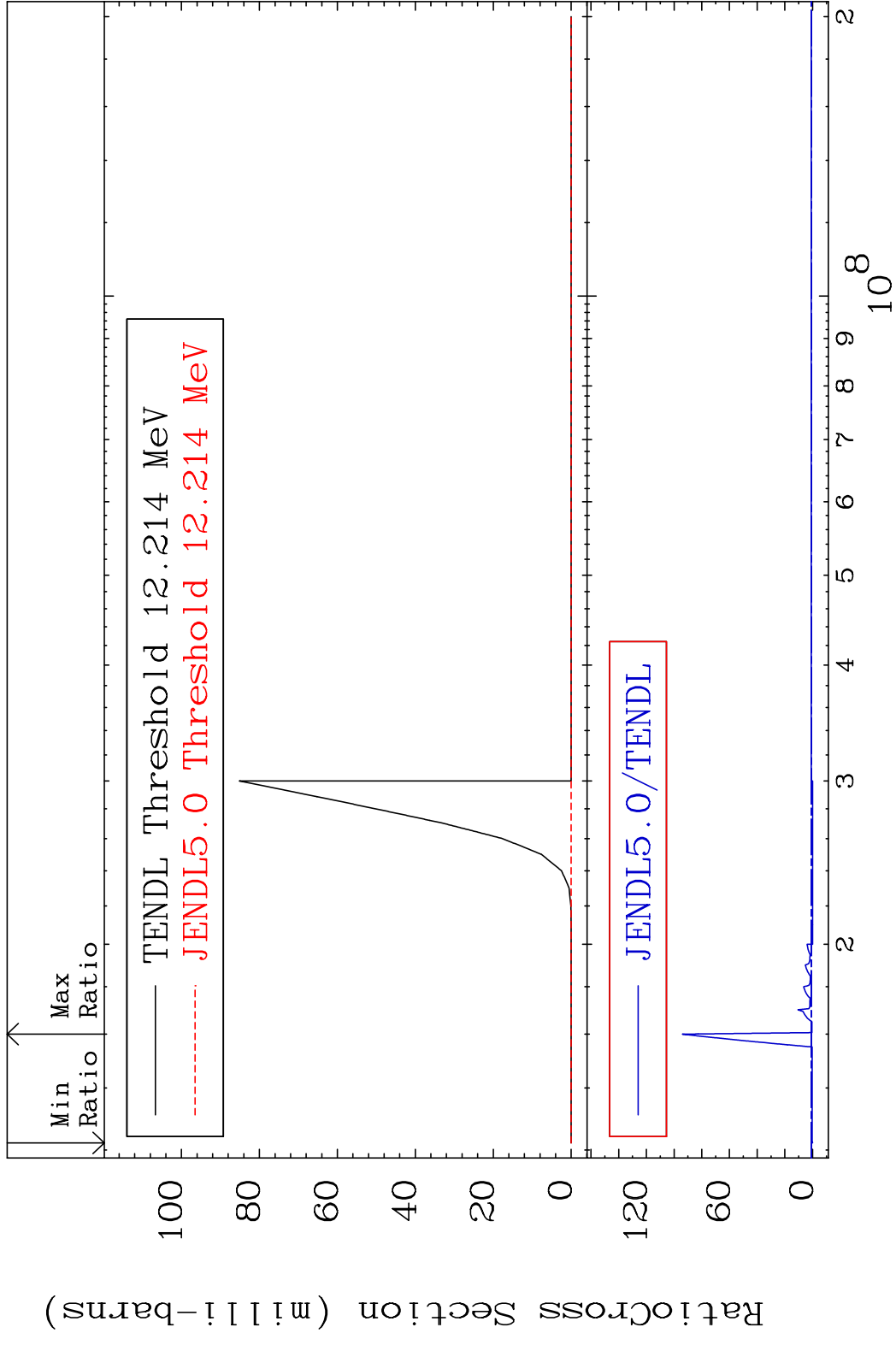
MAT 4525 (n,3n) 45-Rh-103
 Cross Section -100.0 To 6210. %



MAT 4525 (n, n') α 45-Rh-103
 Cross Section -100.0 To 9999. %

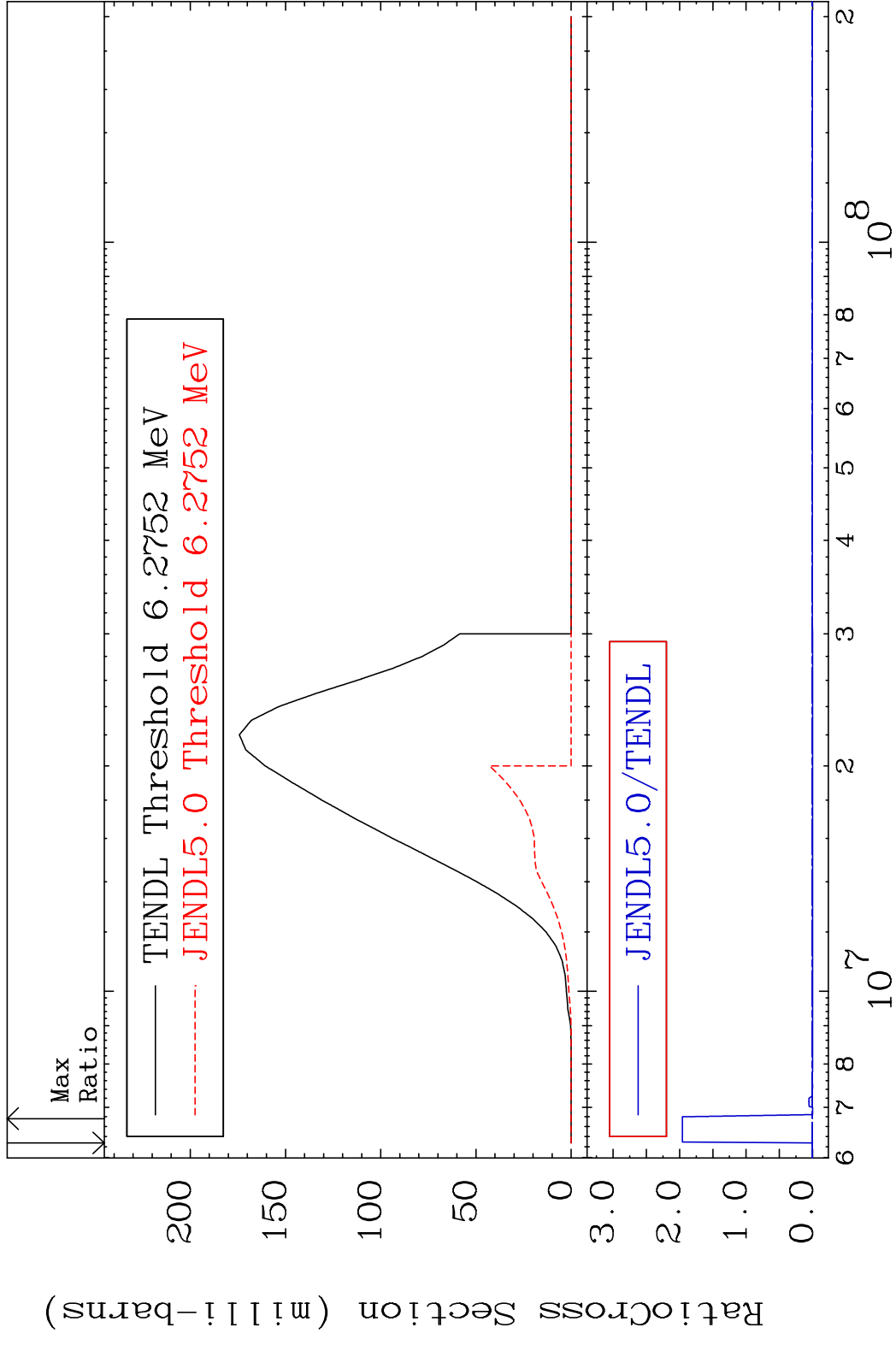


MAT 4525 (n,2n) α 45-Rh-103
 Cross Section -100.0 To 9302. %

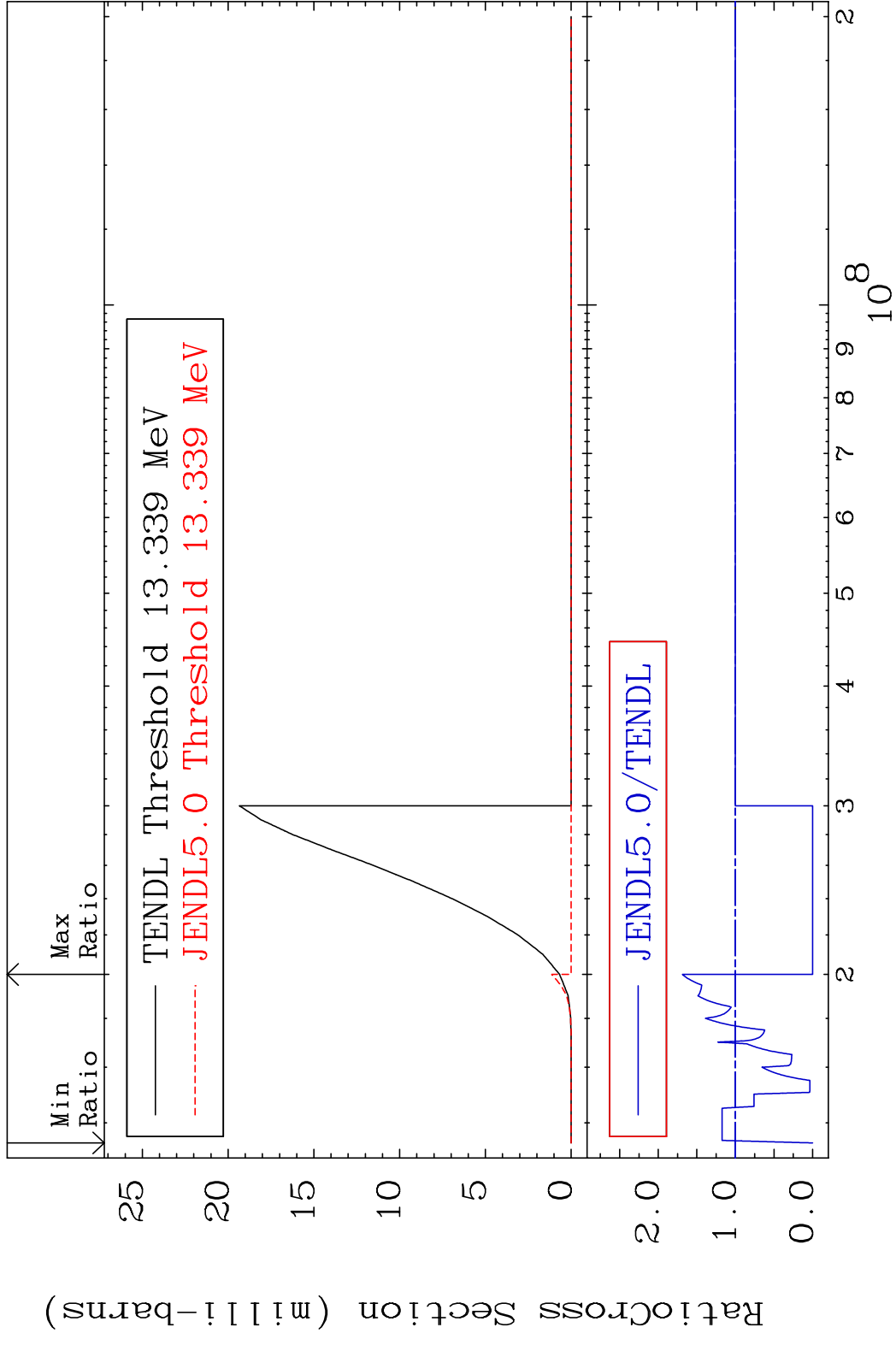


8 Incident Energy (eV) 45-Rh-103

MAT 4525 (n, n') p 45-Rh-103
 Cross Section -100.0 To 9999. %

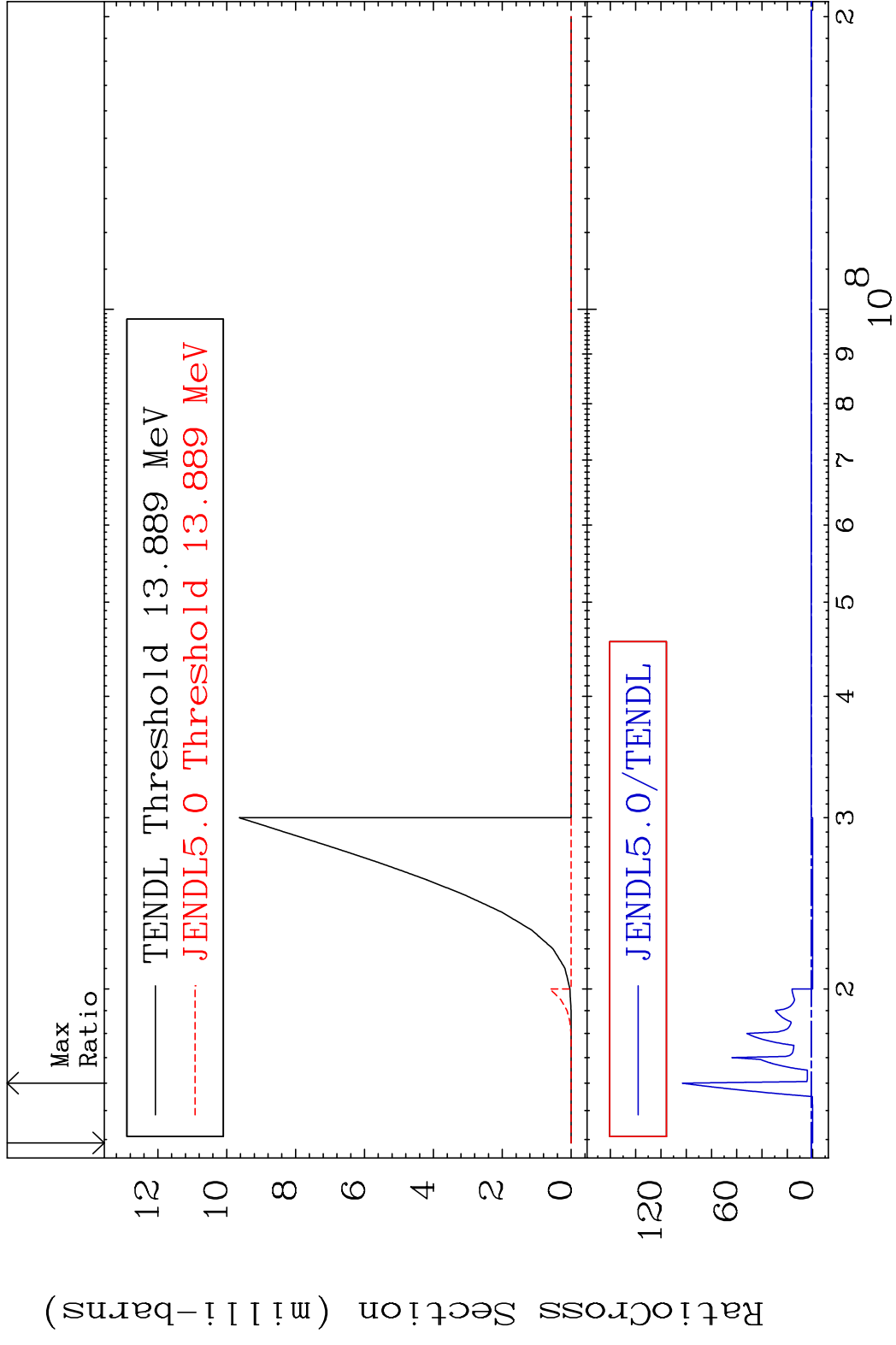


MAT 4525 (n, n') d 45-Rh-103
 Cross Section -100.0 To 68.74 %

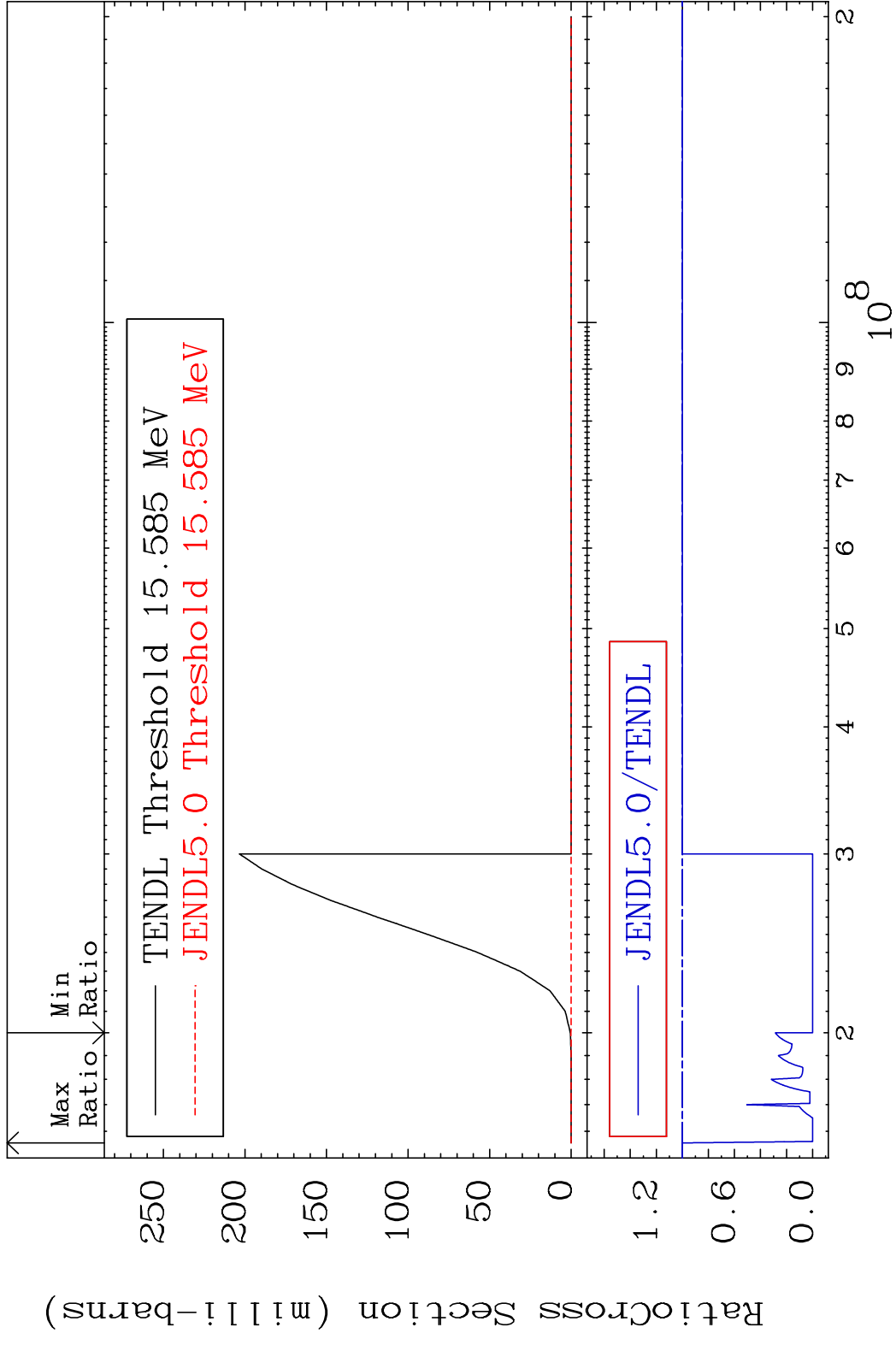


10 45-Rh-103

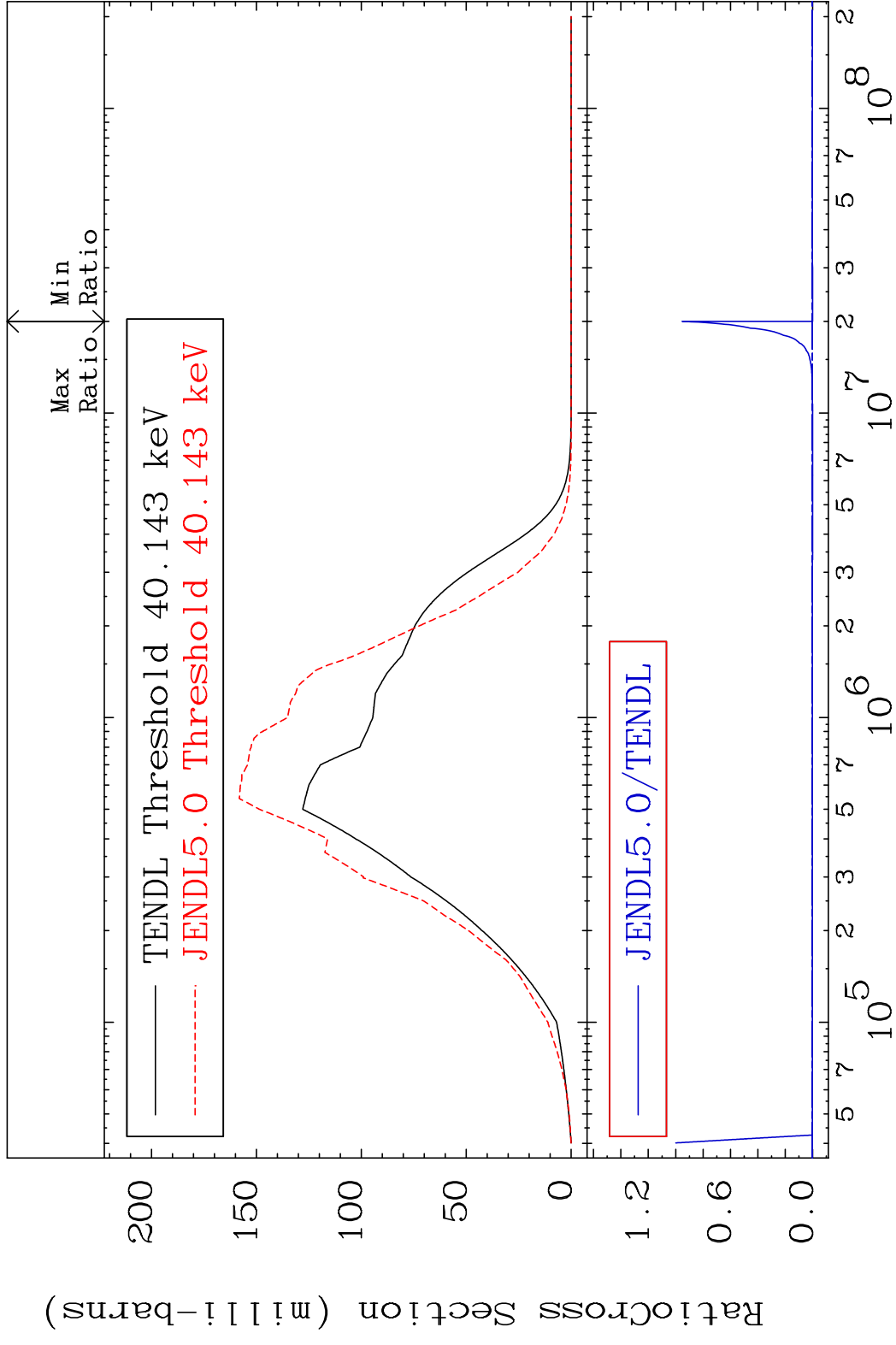
MAT 4525 (n, n') t 45-Rh-103
 Cross Section -100.0 To 9999. %



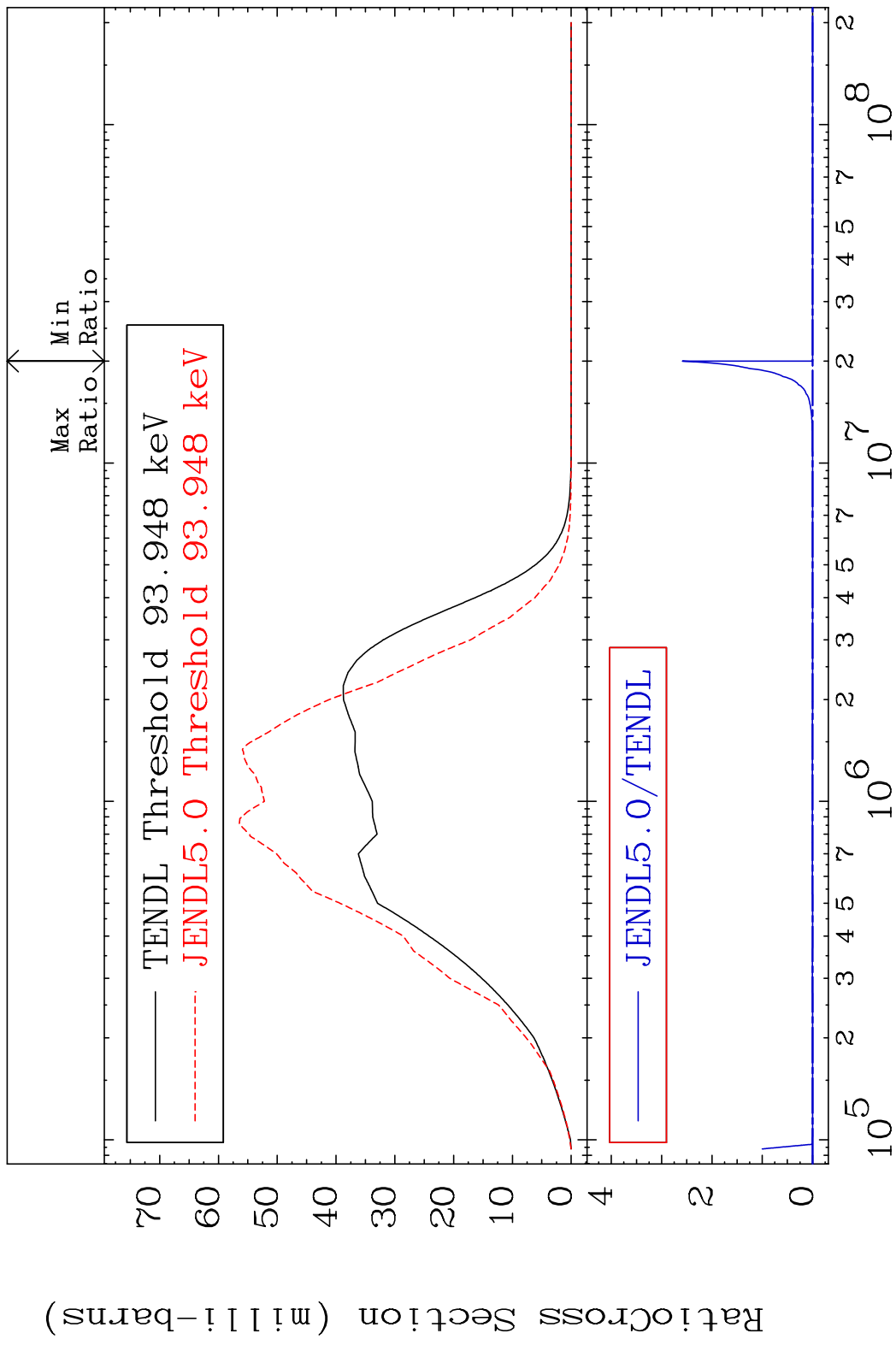
MAT 4525 (n,2n) p 45-Rh-103
 Cross Section -100.0 To 0.000 %



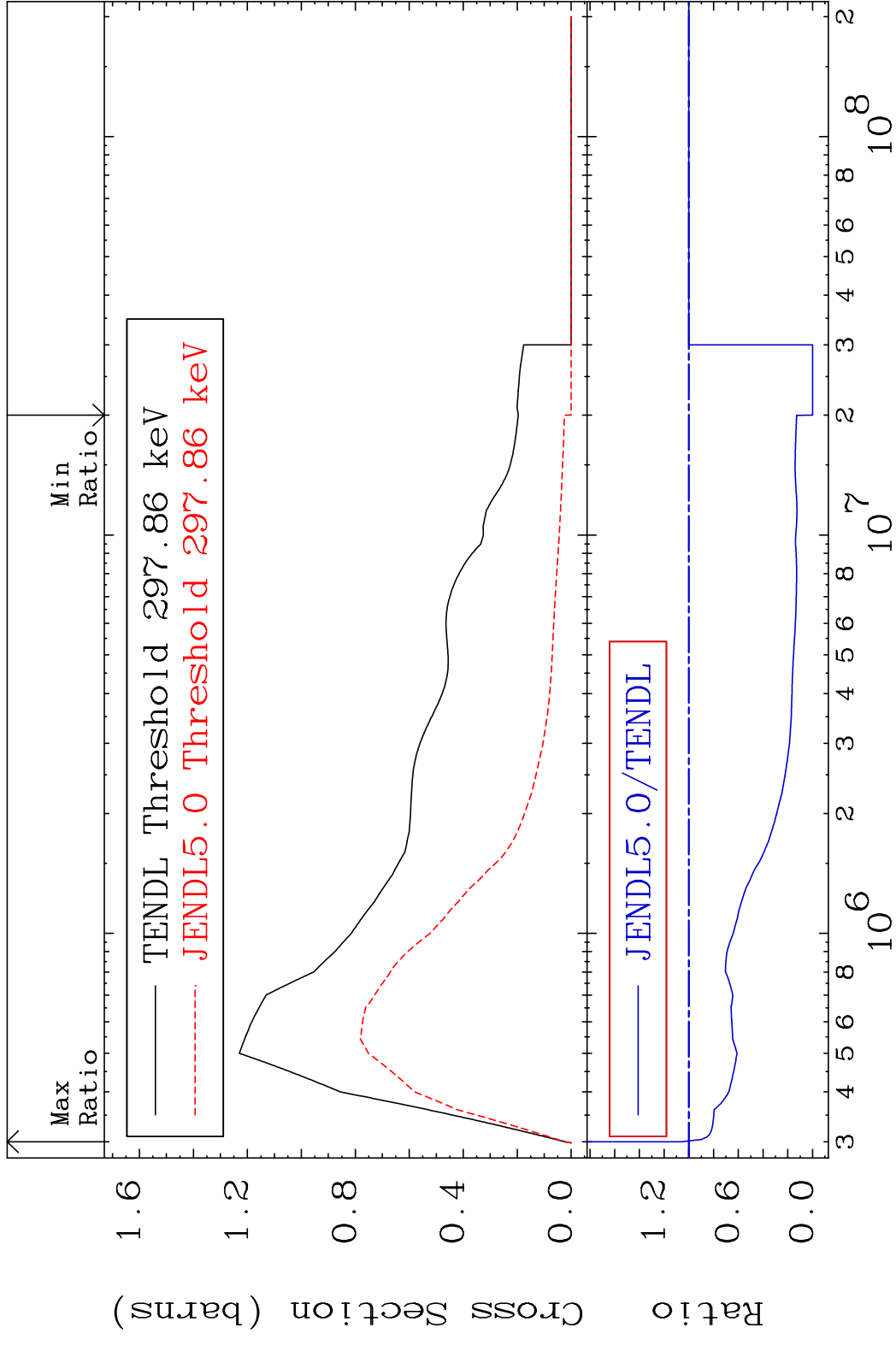
MAT 4525 MT= 51 (n,n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



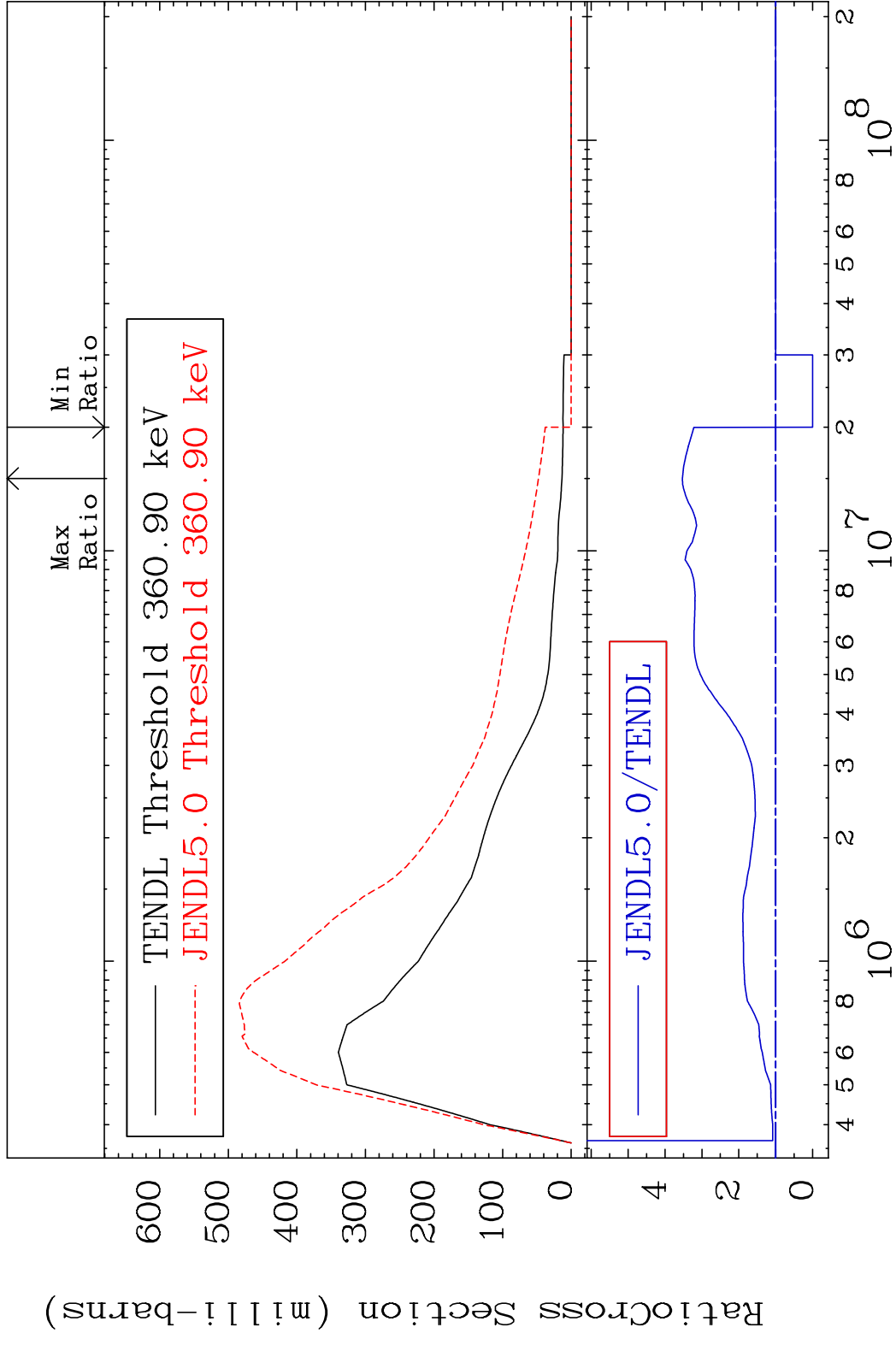
MAT 4525 MT= 52 (n,n') Level 45-Rh-103
Cross Section -100.0 To 9999. %



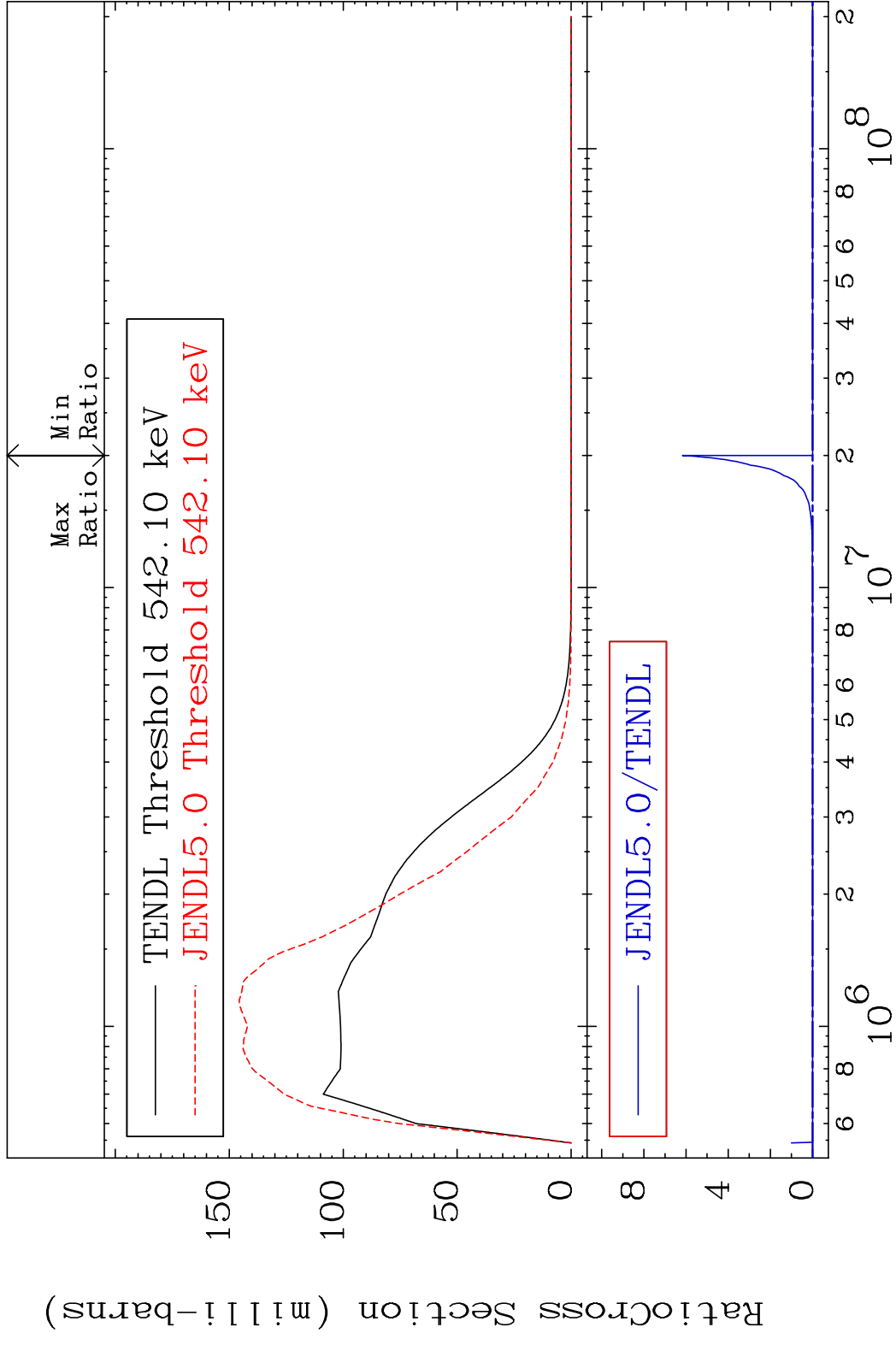
MAT 4525 MT= 53 (n,n') Level 45-Rh-103
 Cross Section -100.0 To 5.267 %



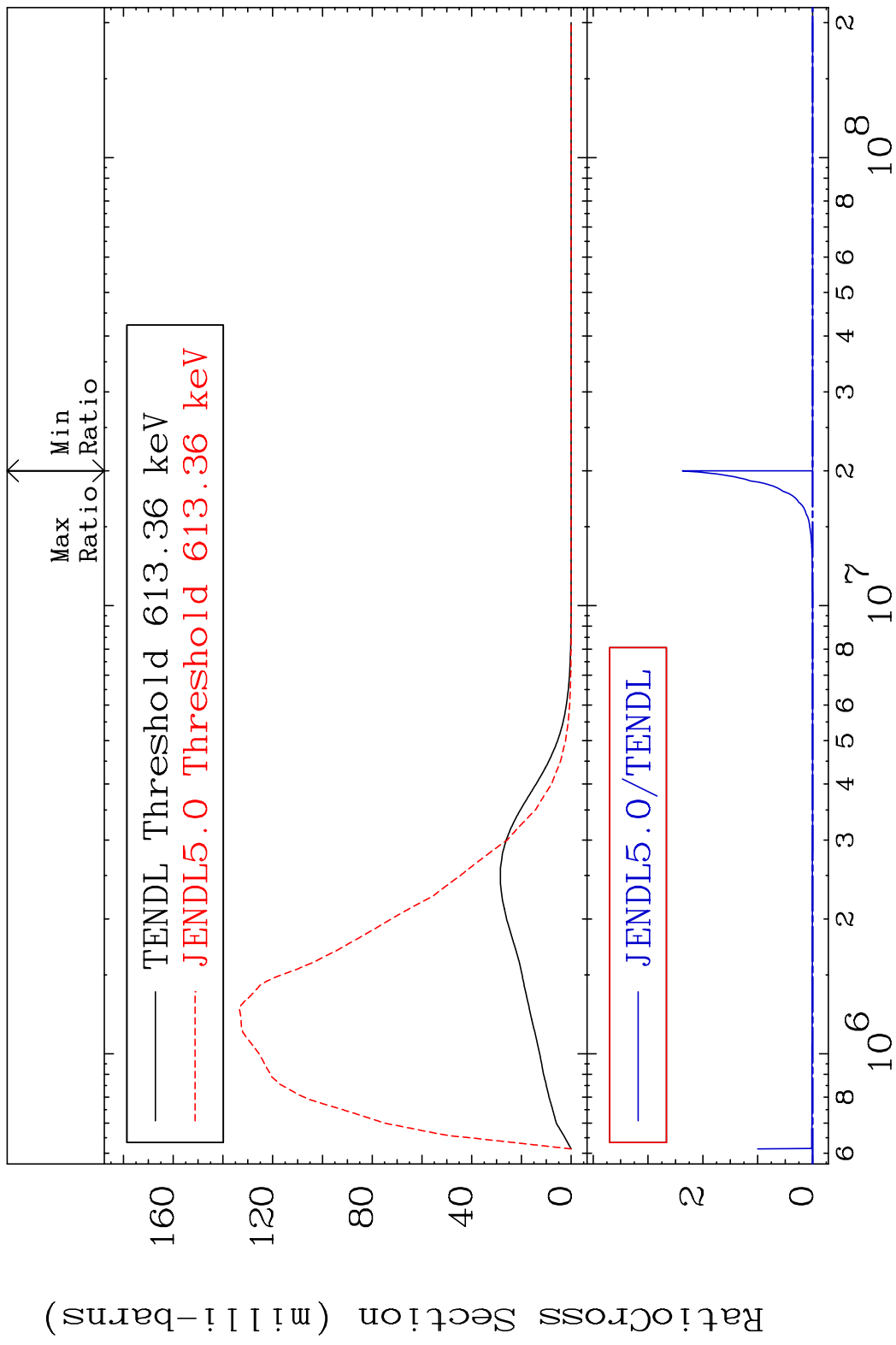
MAT 4525 MT= 54 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 253.0 %



MAT 4525 MT= 55 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

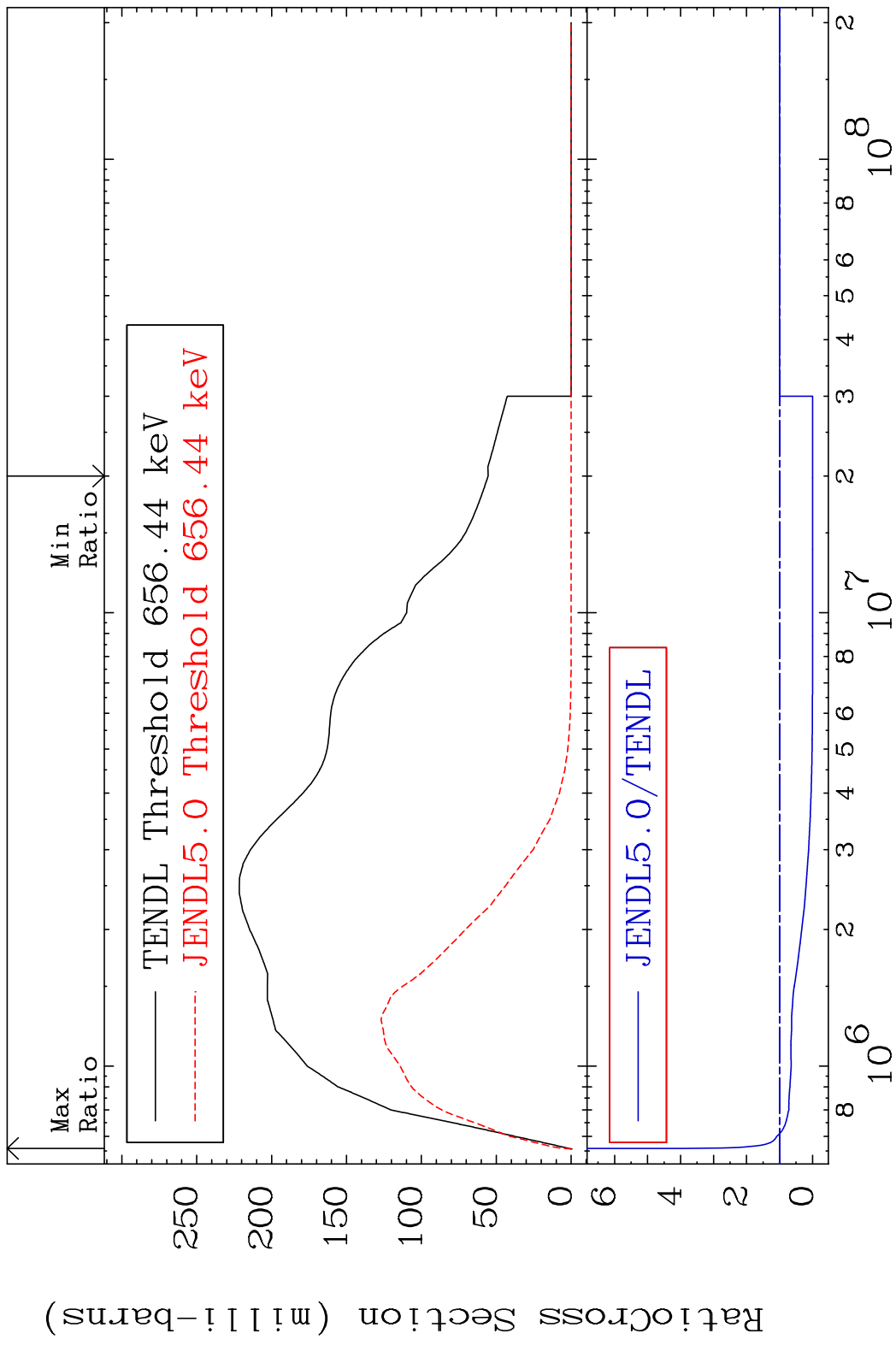


MAT 4525 MT= 56 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

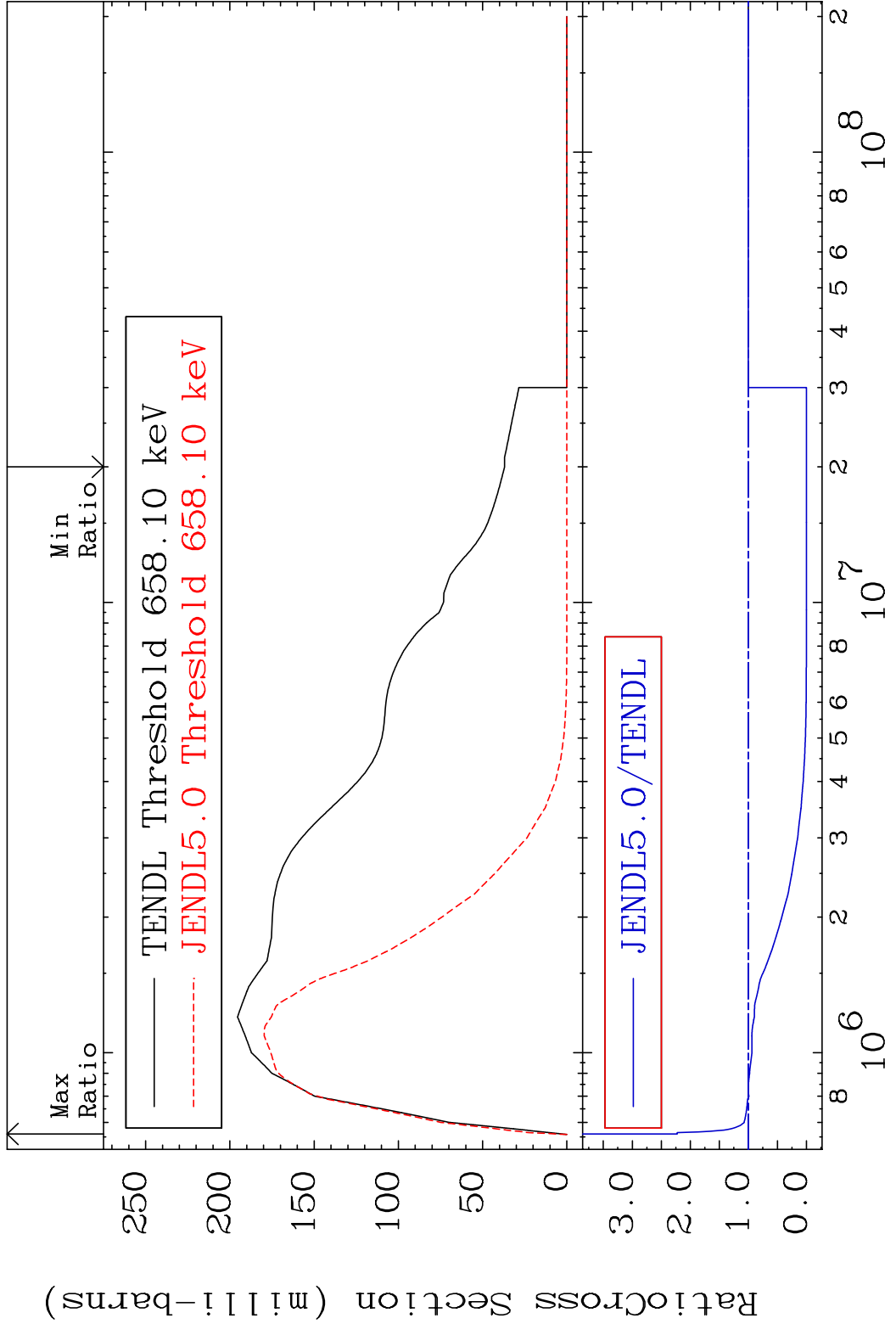


18 Incident Energy (eV) 45-Rh-103

MAT 4525 MT= 57 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 294.6 %

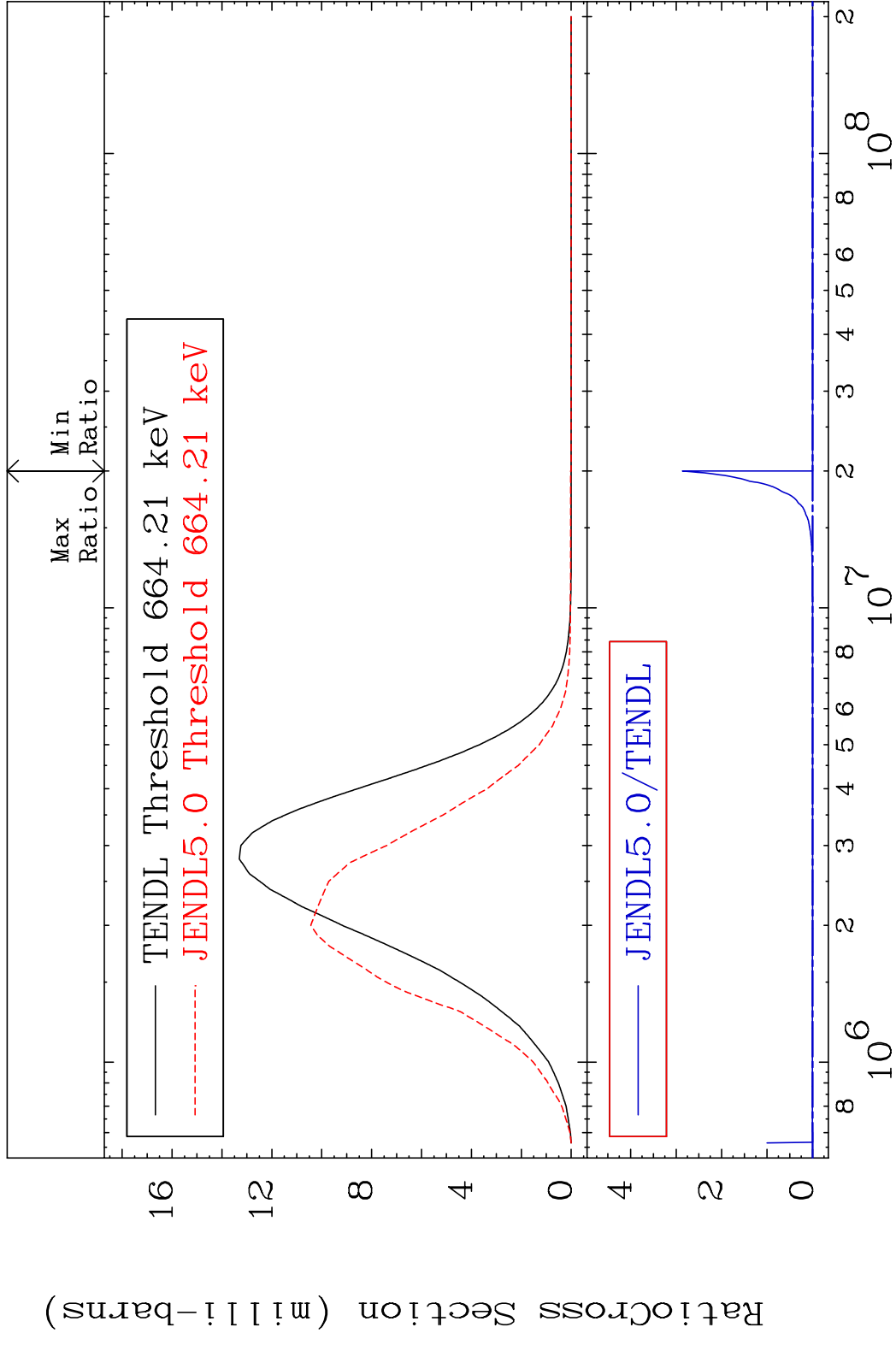


MAT 4525 MT= 58 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 122.7 %

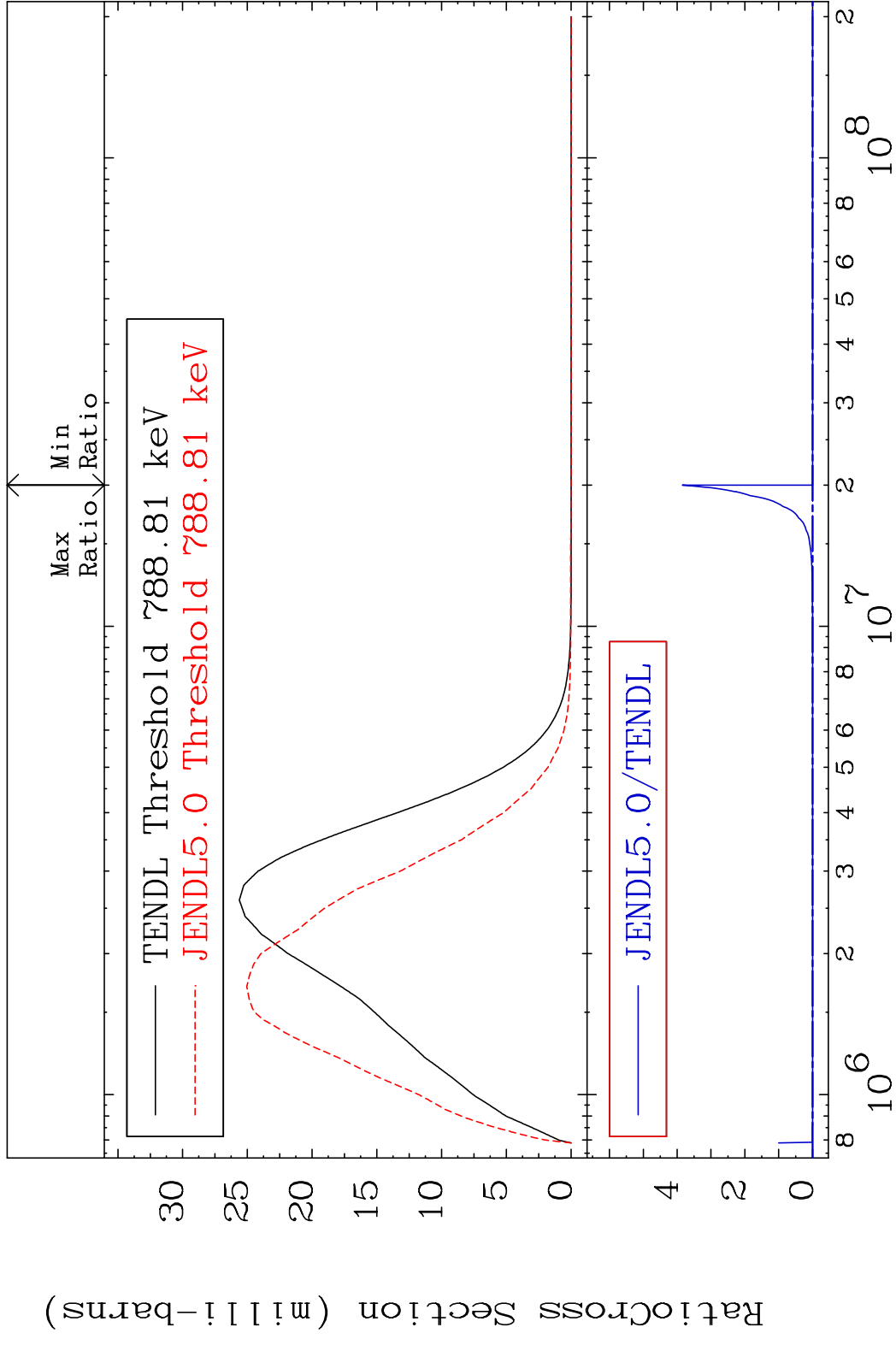


20 Incident Energy (eV) 45-Rh-103

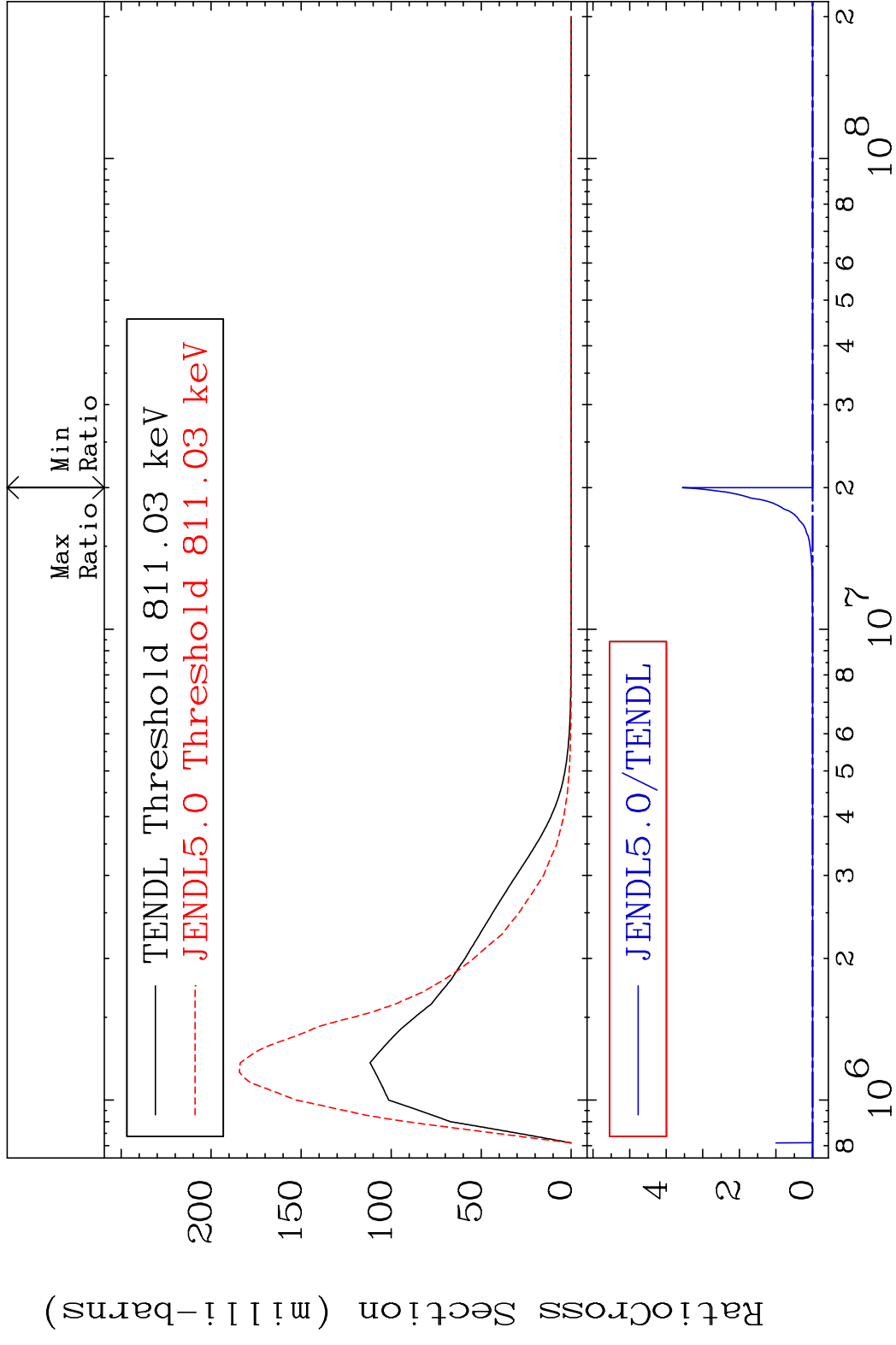
MAT 4525 MT= 59 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



MAT 4525 MT= 60 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

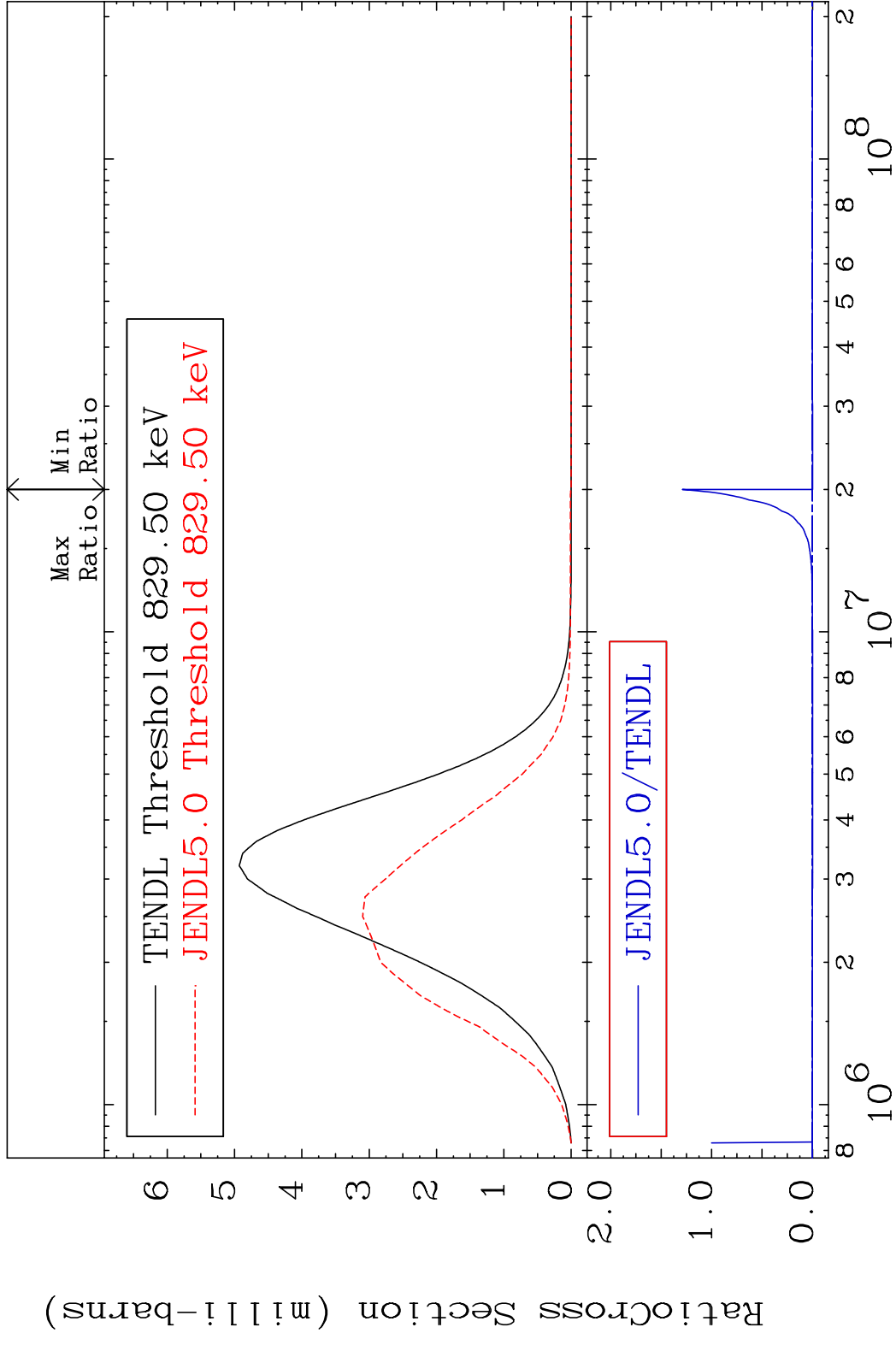


MAT 4525 MT= 61 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

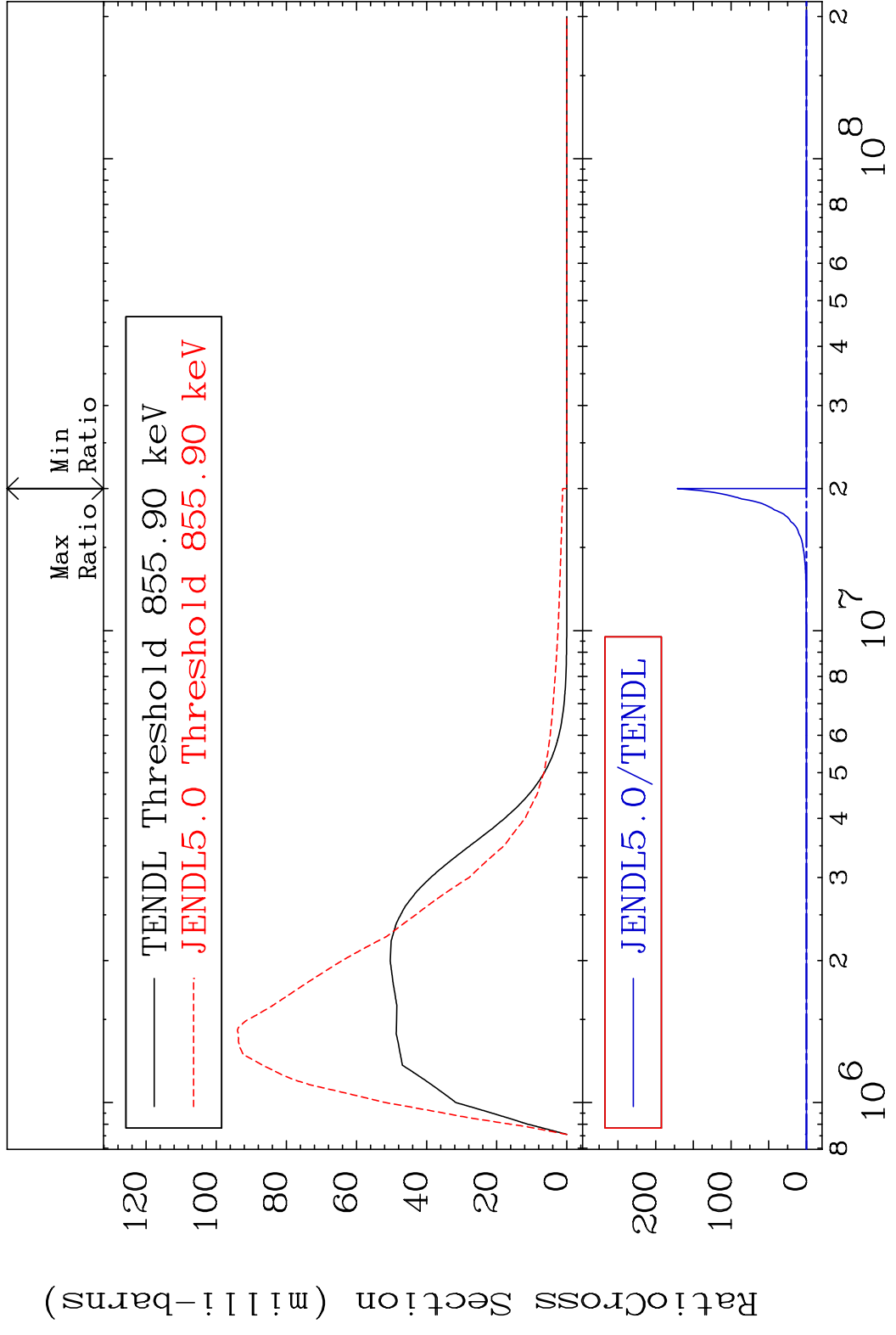


23 Incident Energy (eV) 45-Rh-103

MAT 4525 MT= 62 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

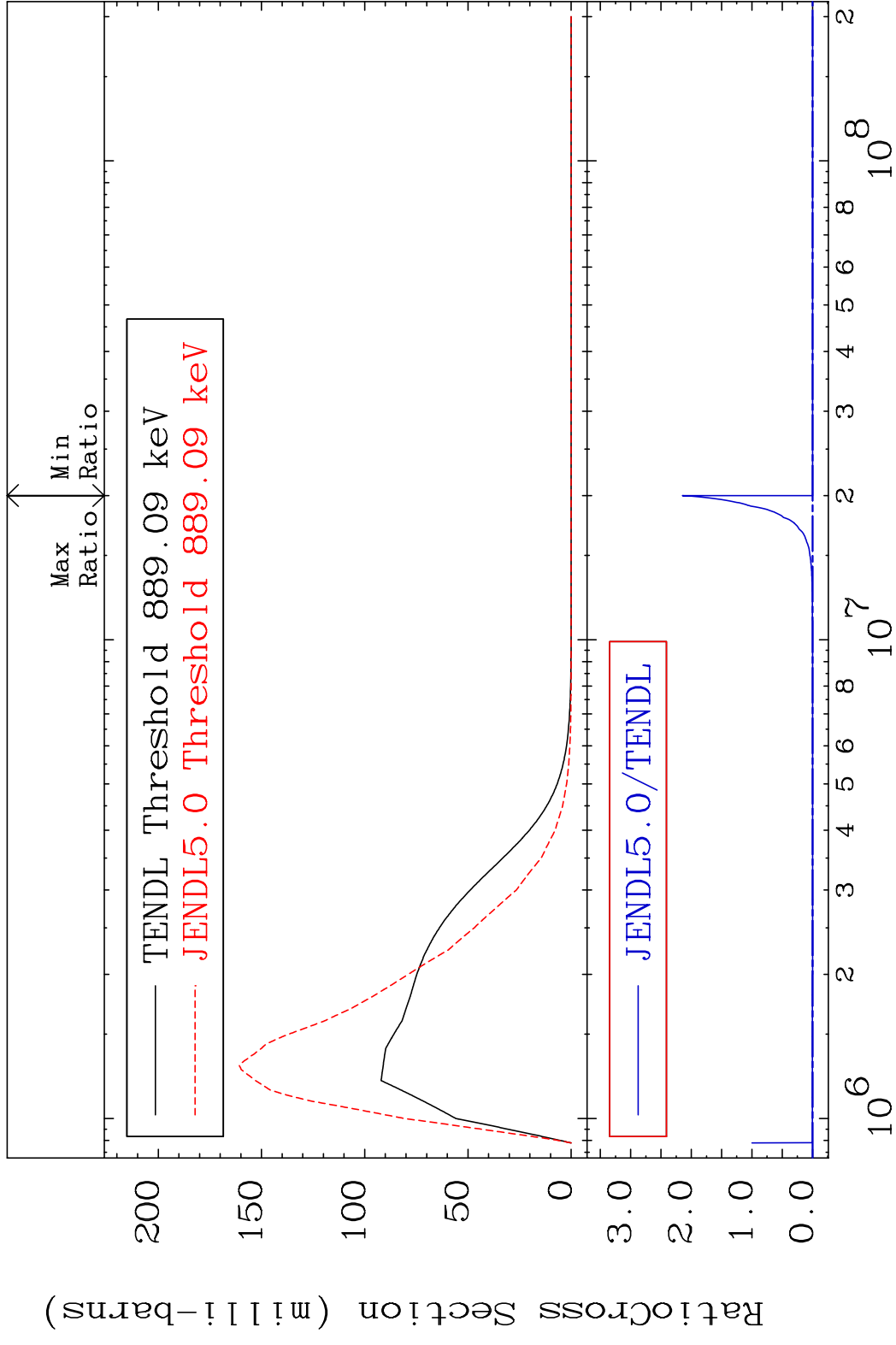


MAT 4525 MT= 63 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

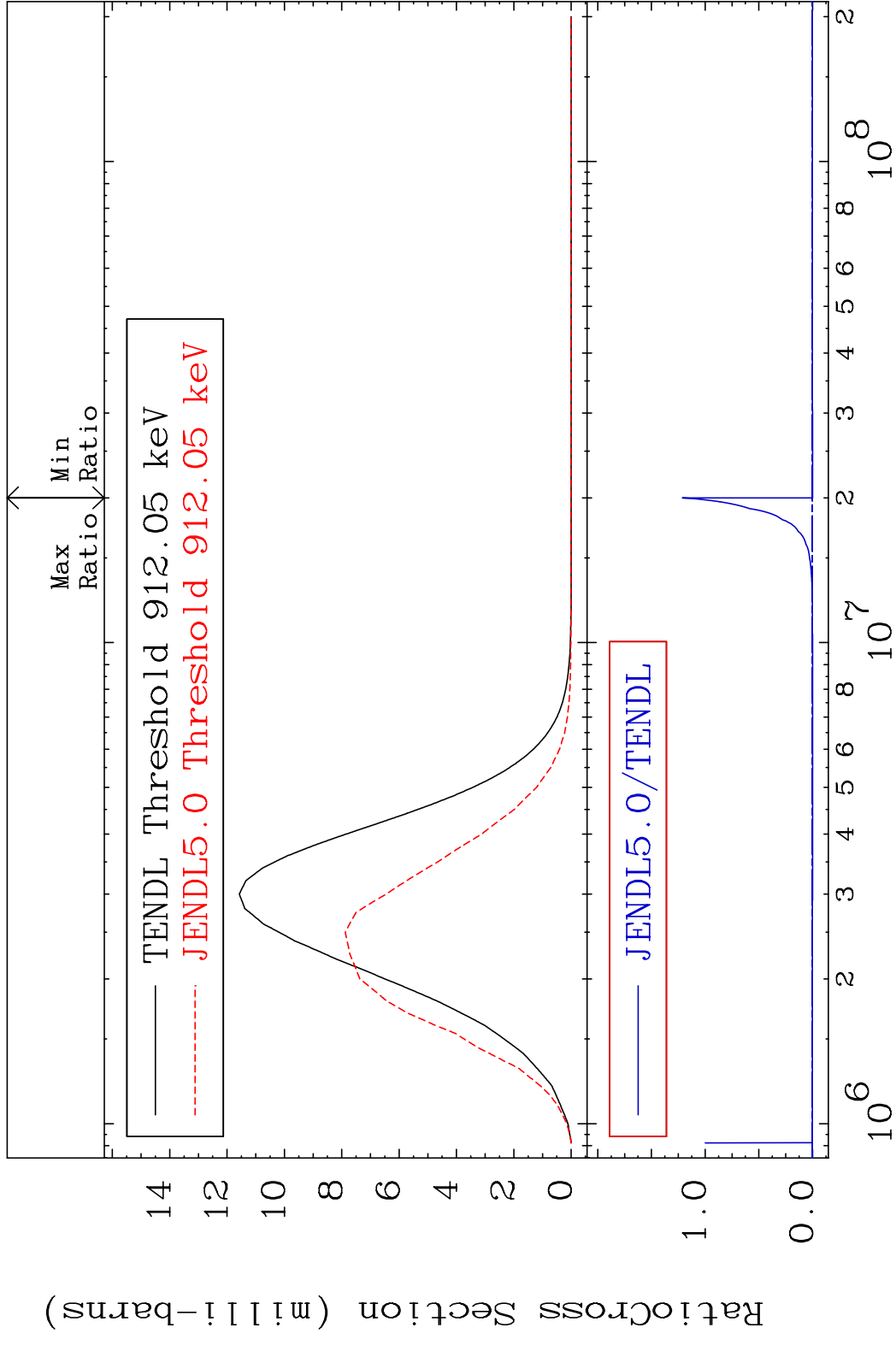


25 Incident Energy (eV) 45-Rh-103

MAT 4525 MT= 64 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

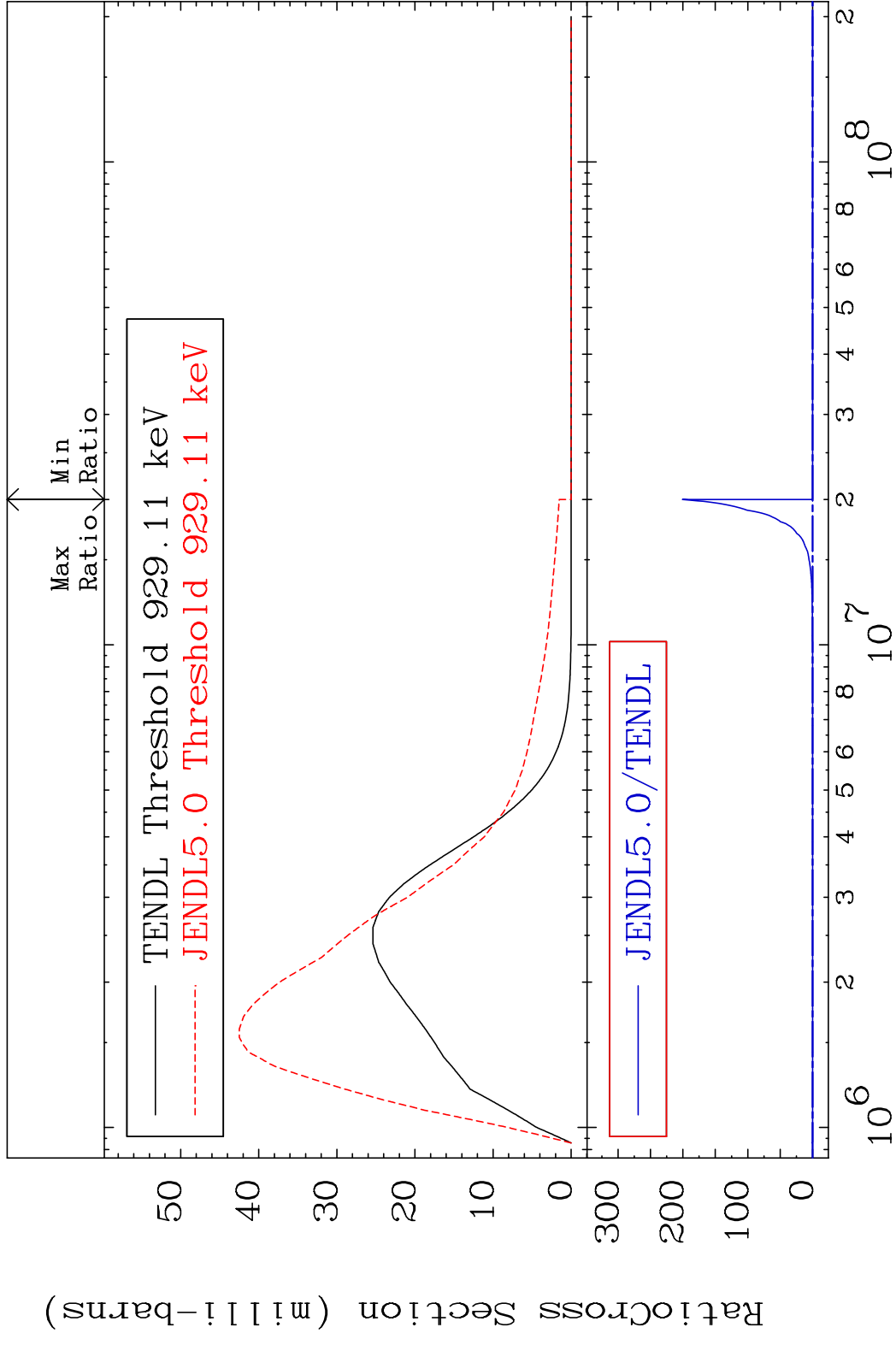


MAT 4525 MT= 65 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



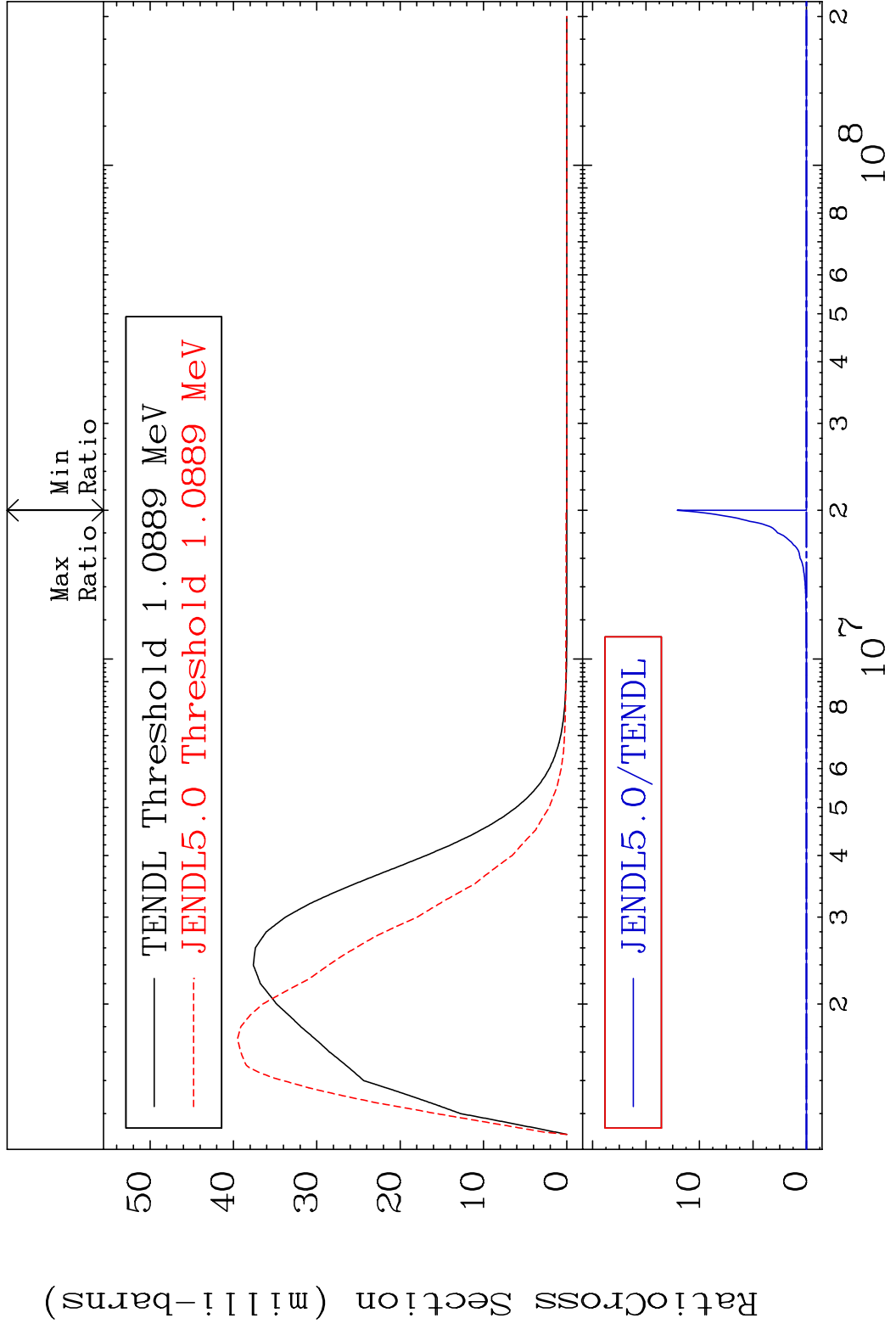
27 Incident Energy (eV) 45-Rh-103

MAT 4525 MT= 66 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

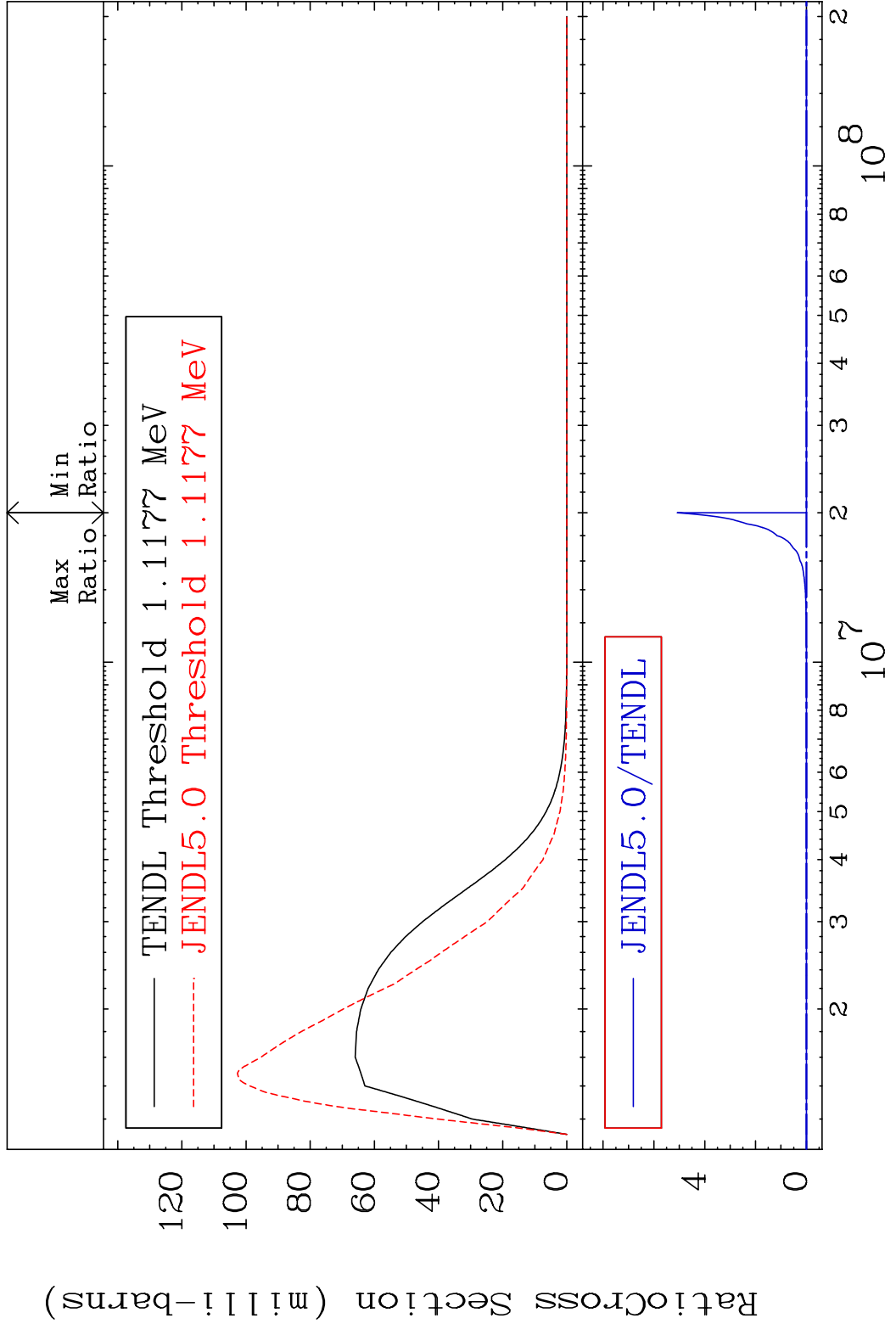


28 Incident Energy (eV) 45-Rh-103

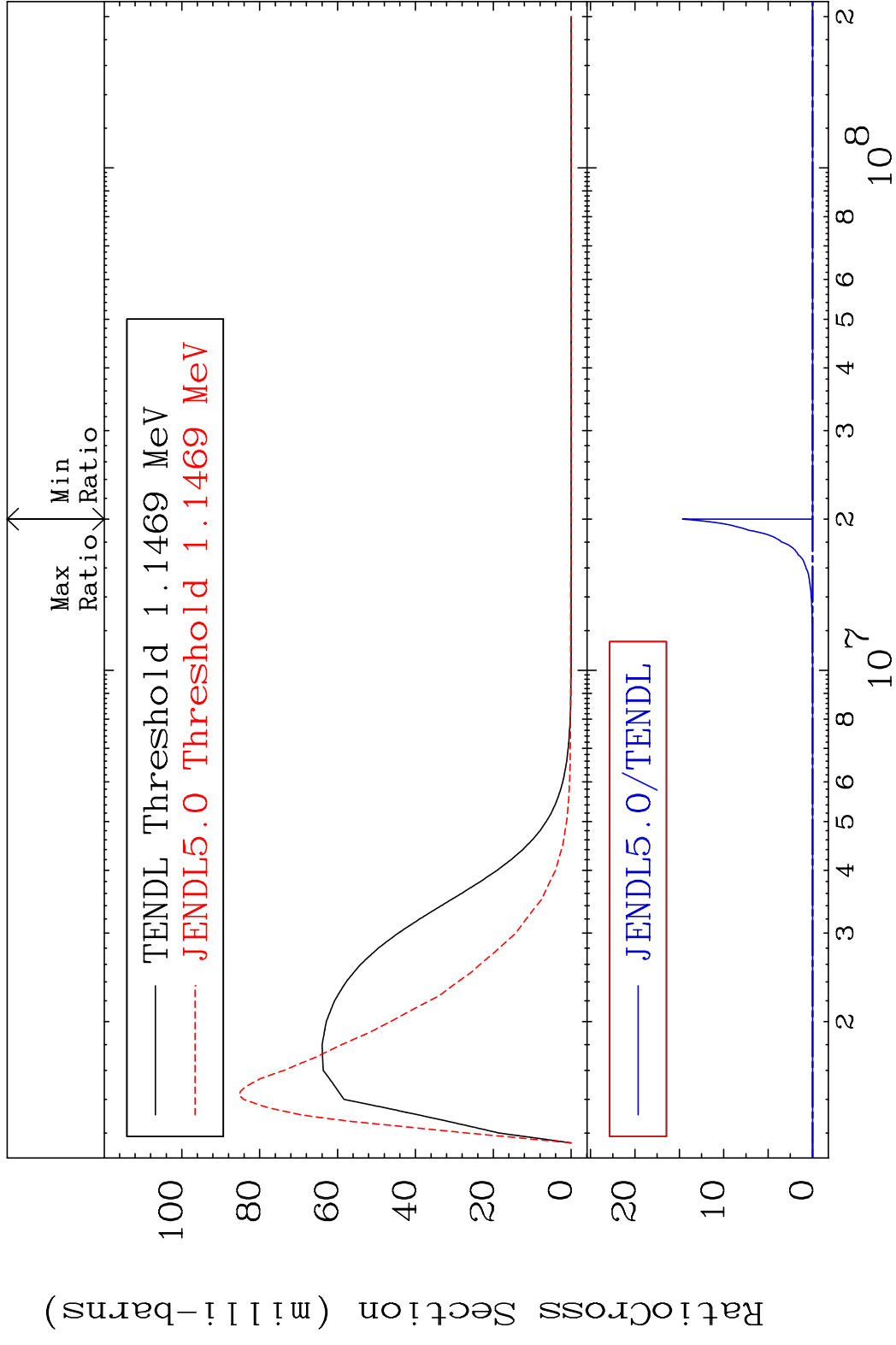
MAT 4525 MT= 67 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



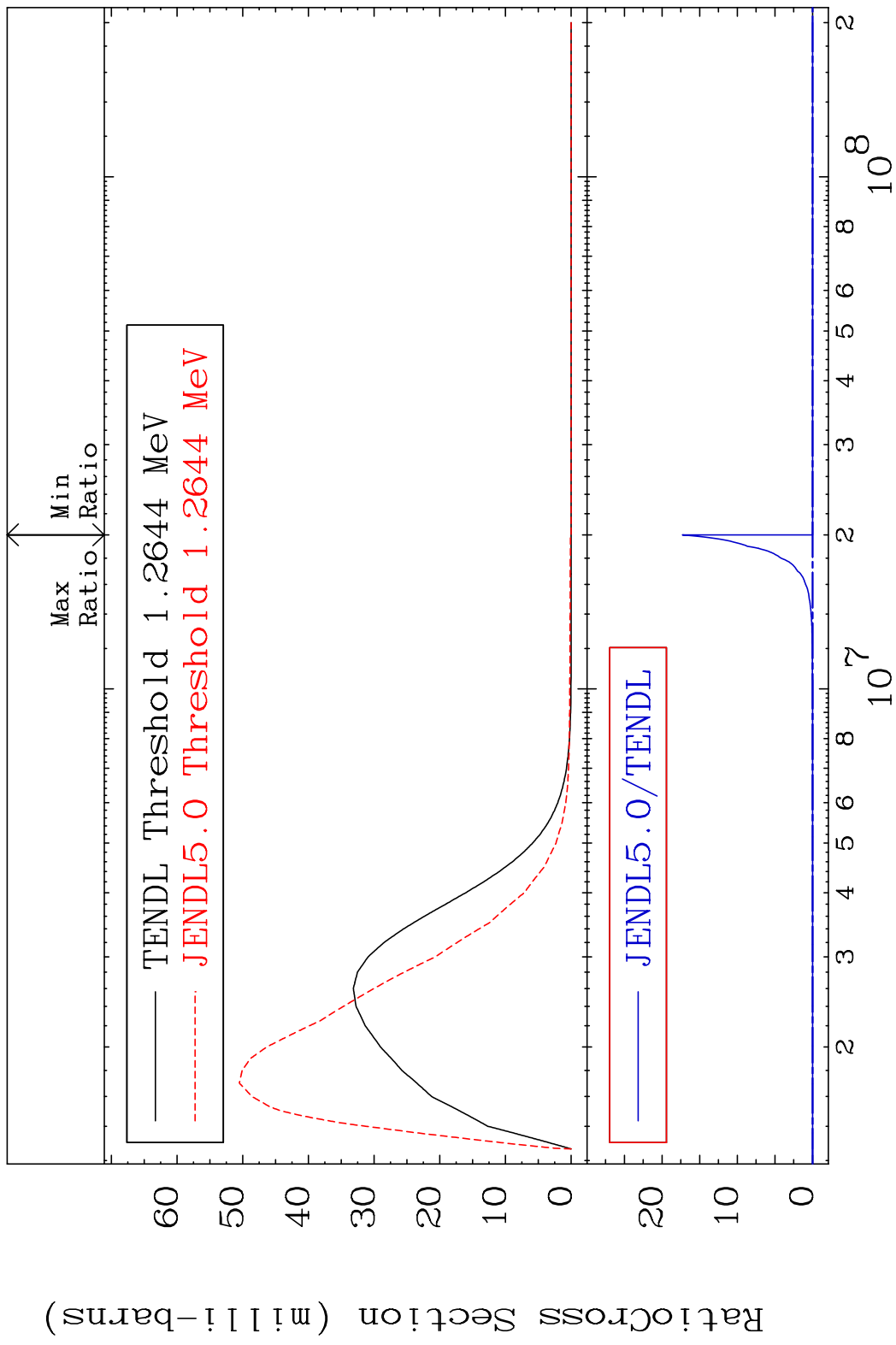
MAT 4525 MT= 68 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



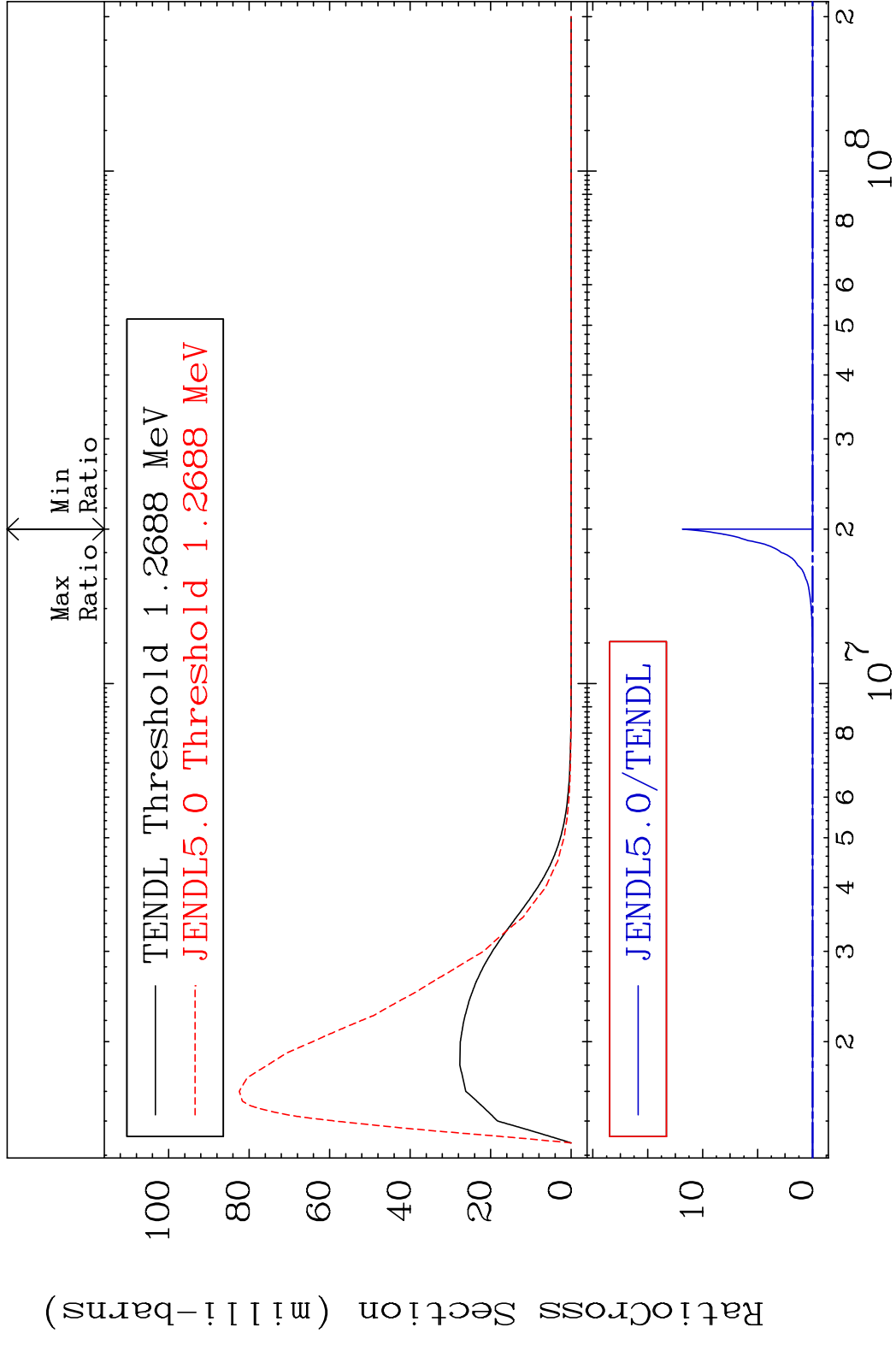
MAT 4525 MT= 69 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



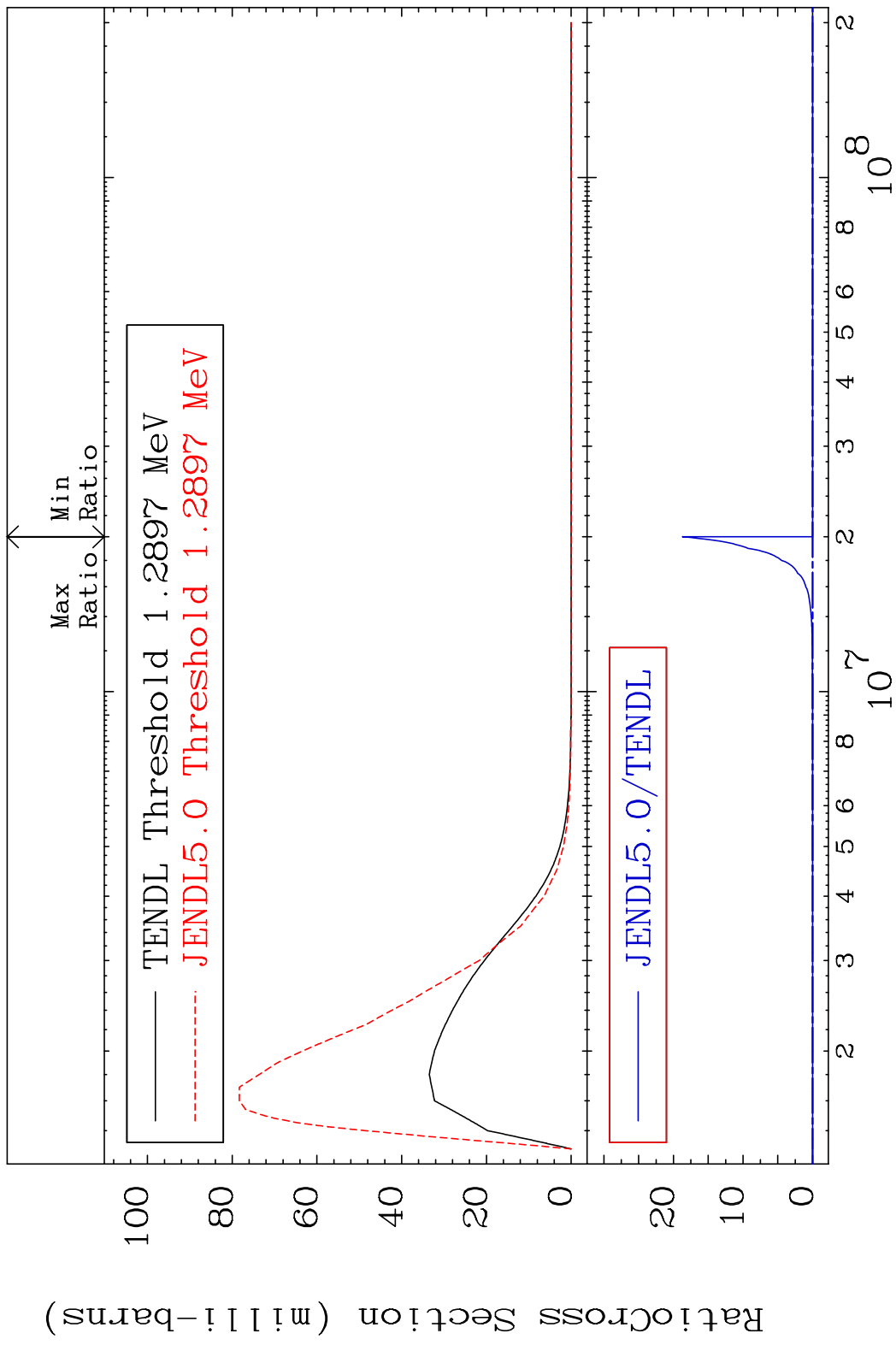
MAT 4525 MT= 70 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



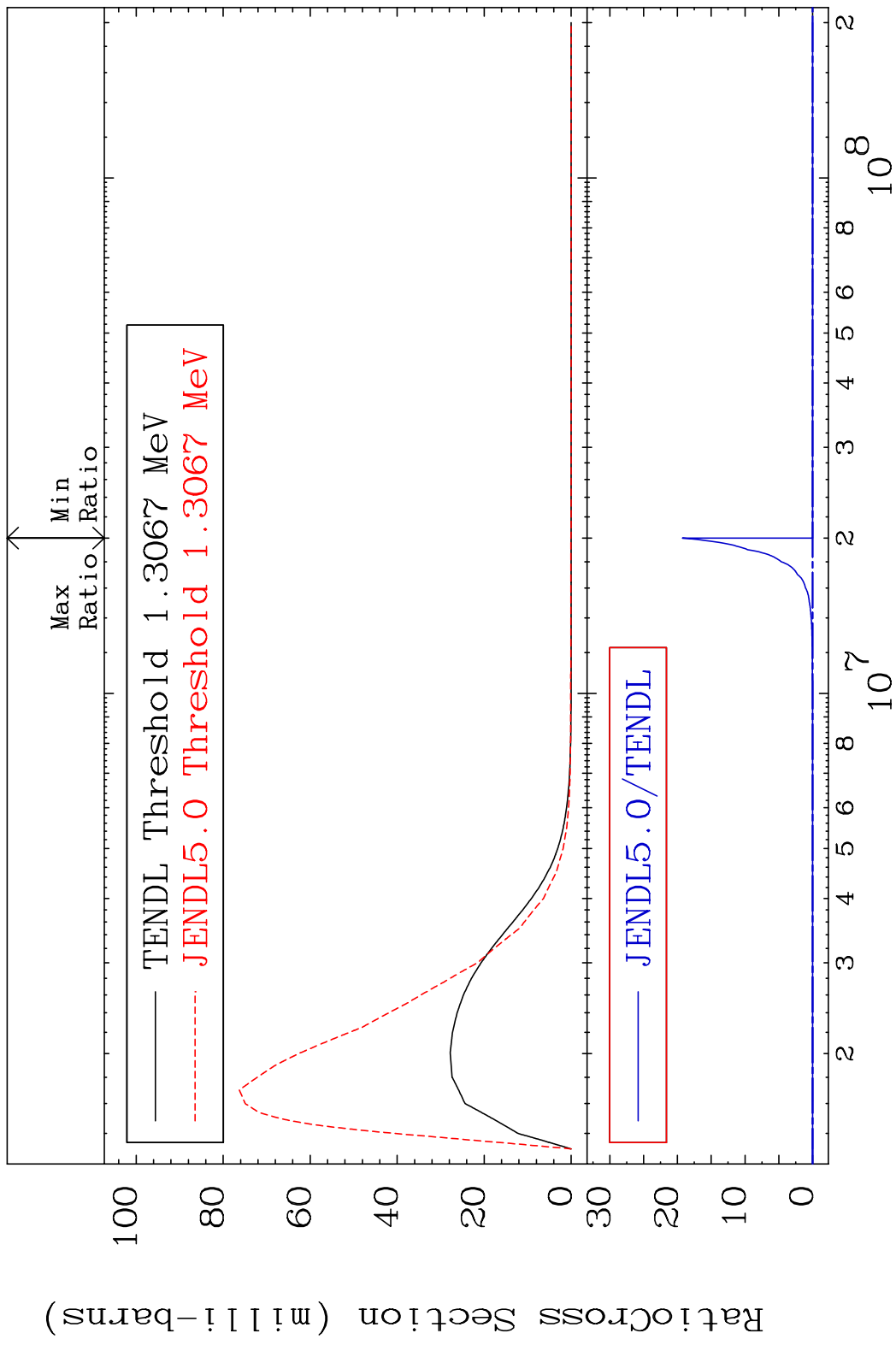
MAT 4525 MT= 71 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



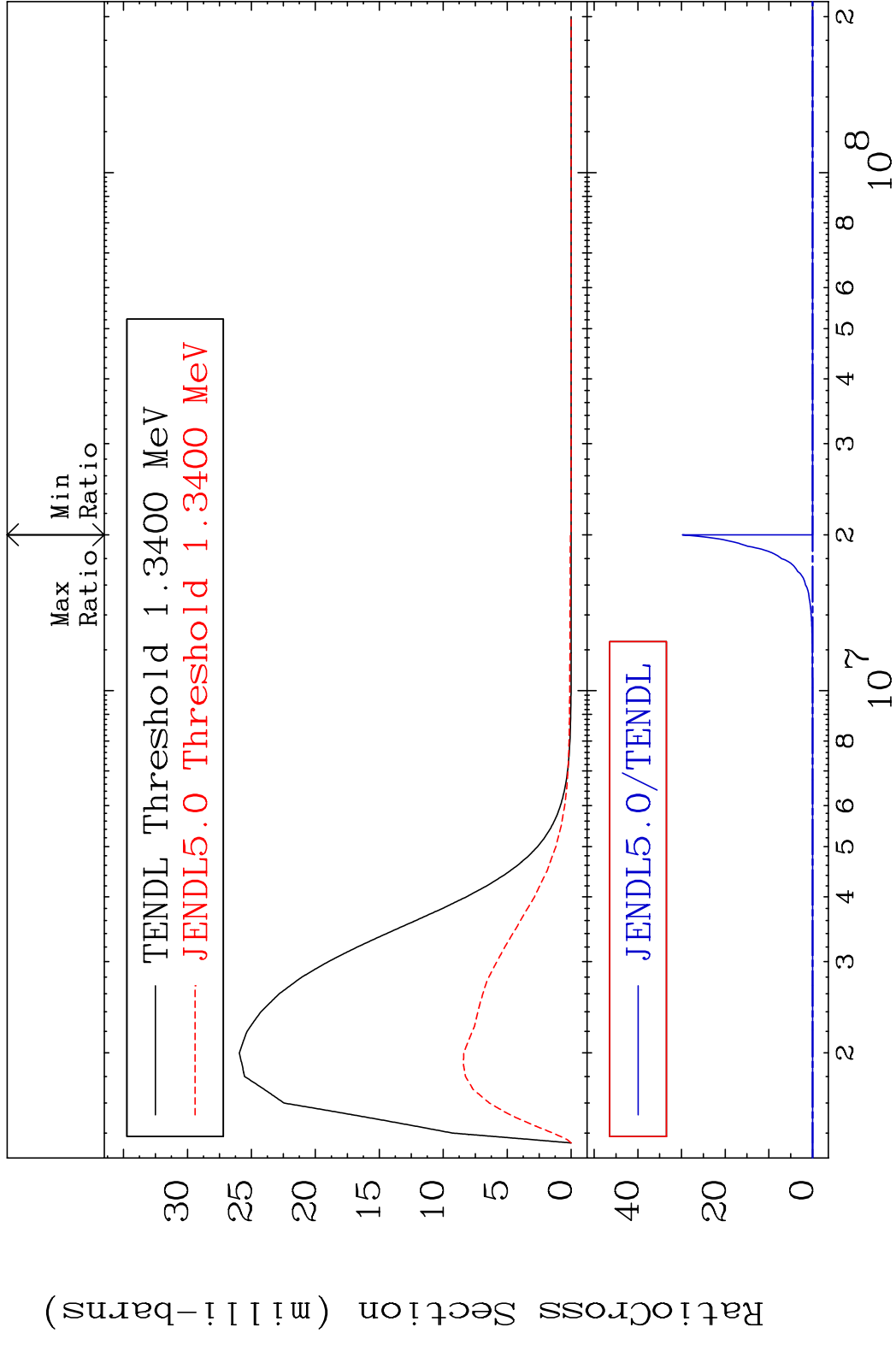
MAT 4525 MT= 72 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



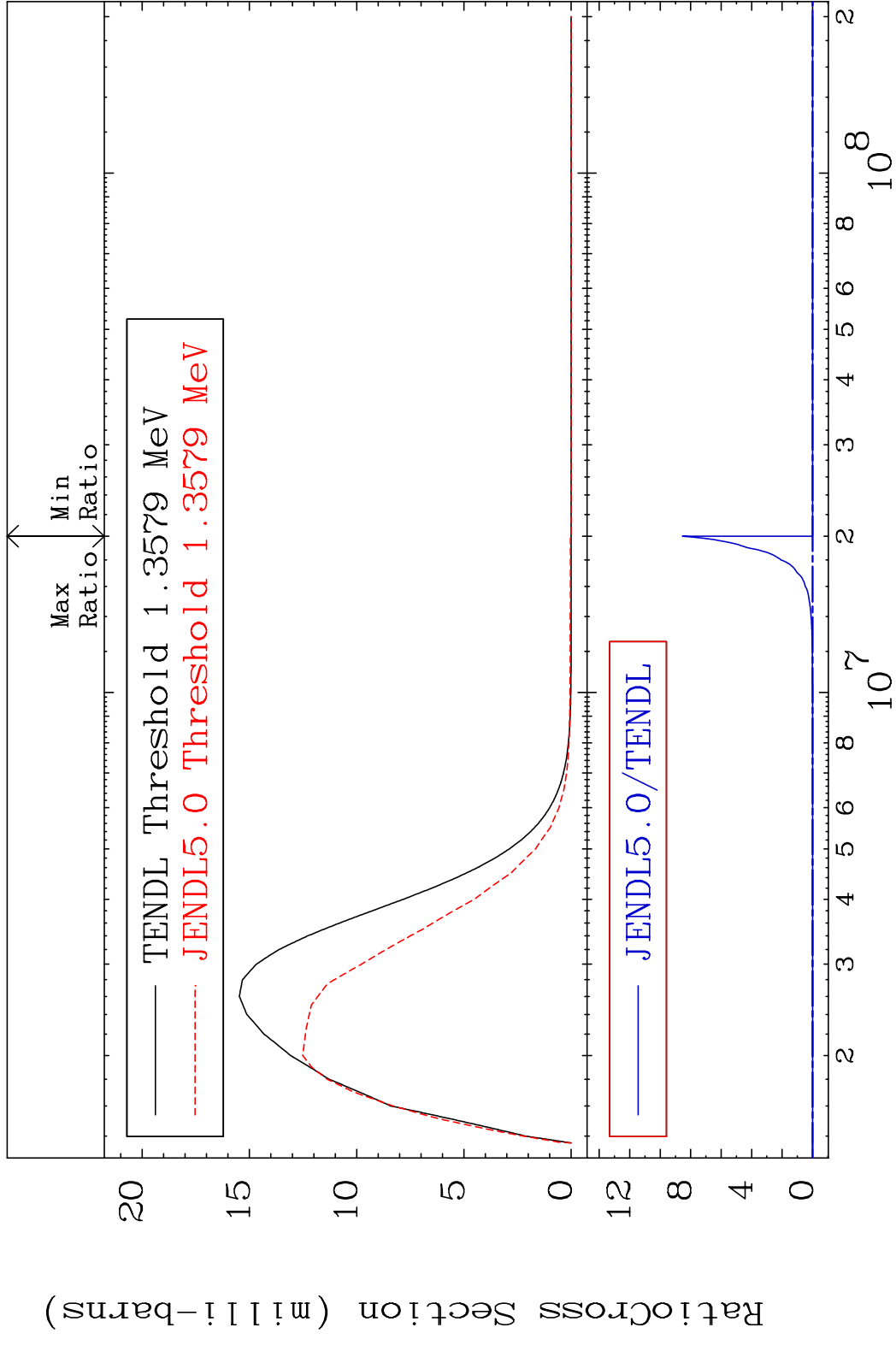
MAT 4525 MT= 73 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



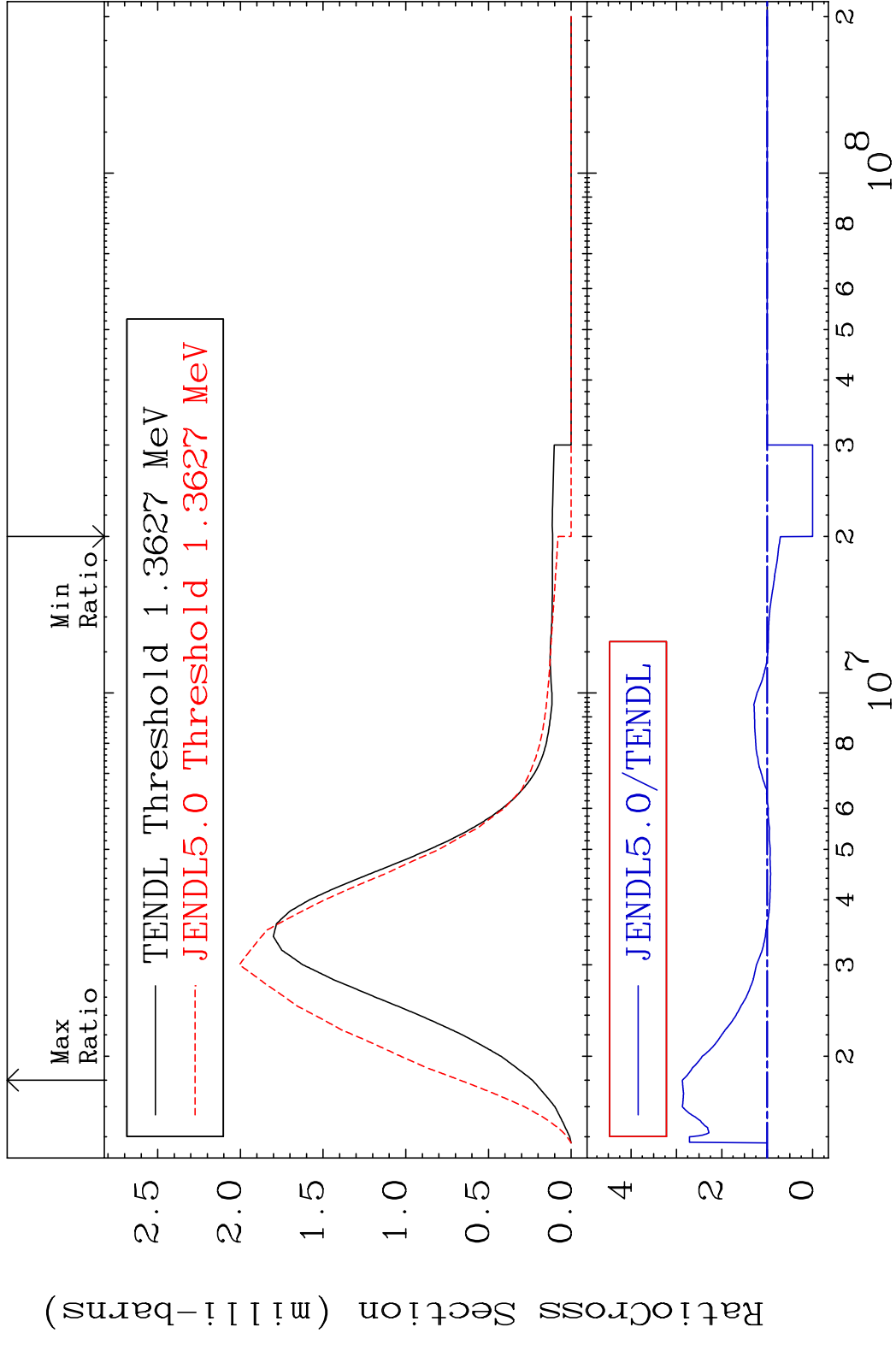
MAT 4525 MT= 74 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



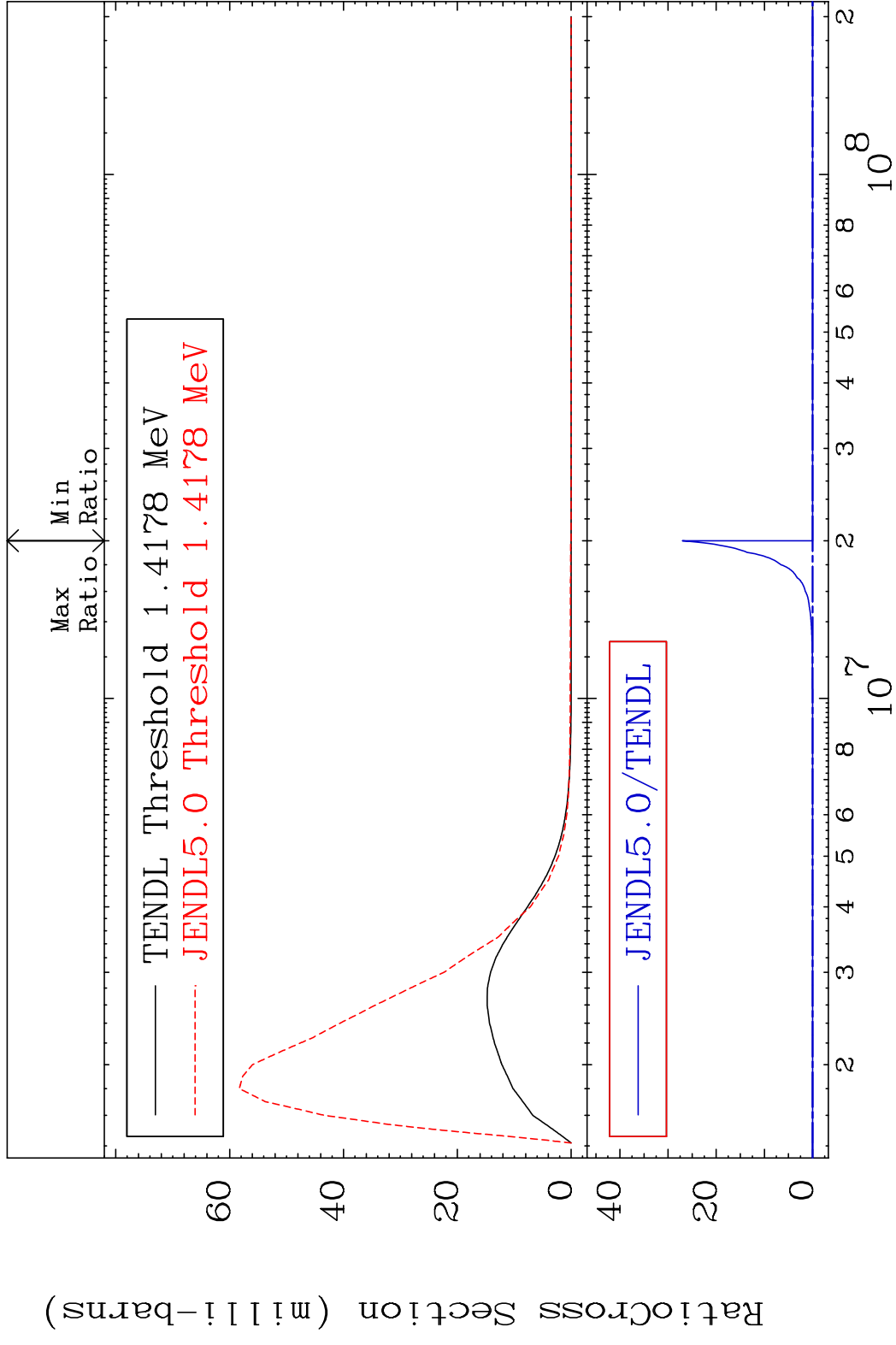
MAT 4525 MT= 75 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



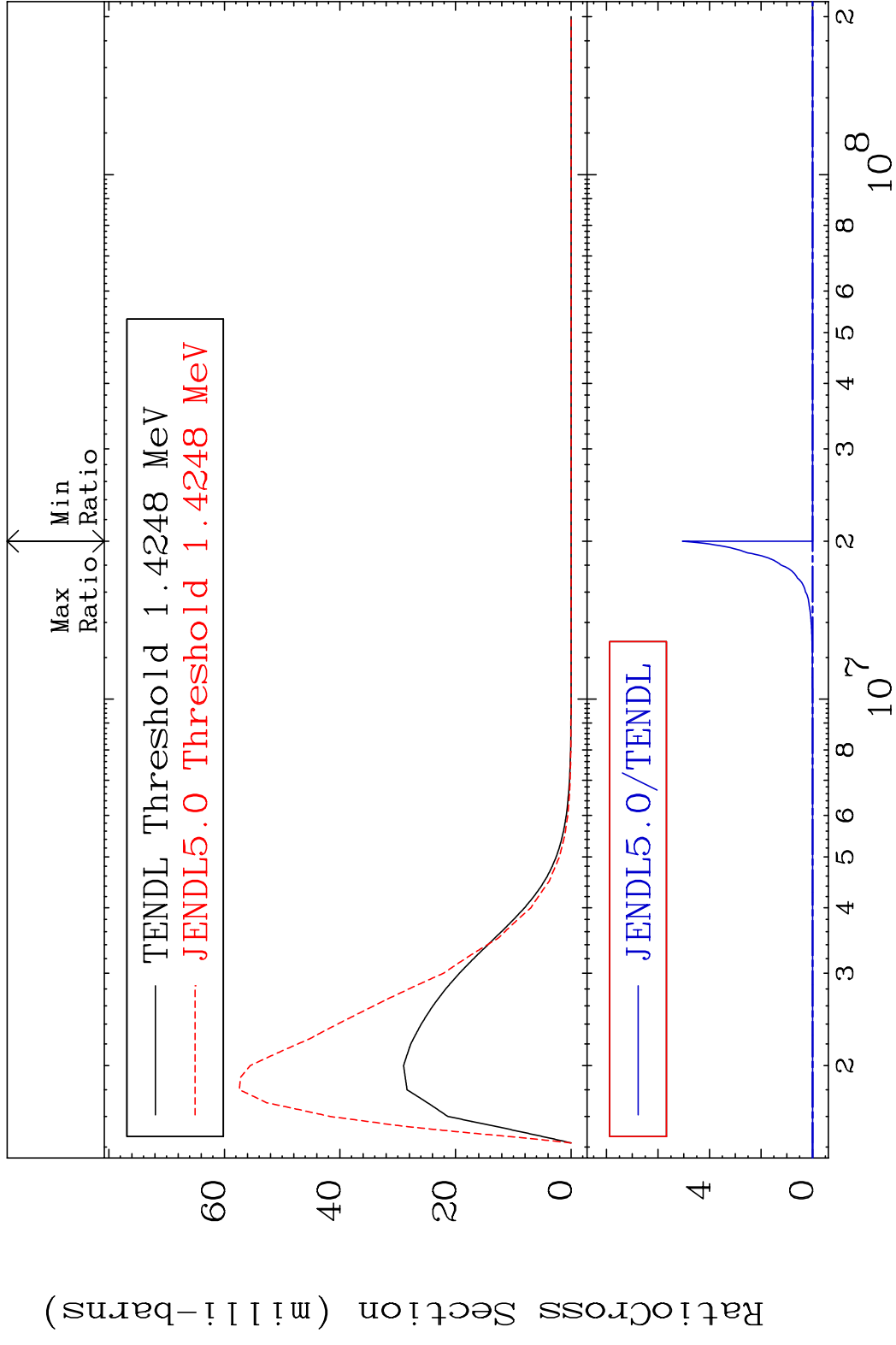
MAT 4525 MT= 76 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 186.8 %



MAT 4525 MT= 77 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

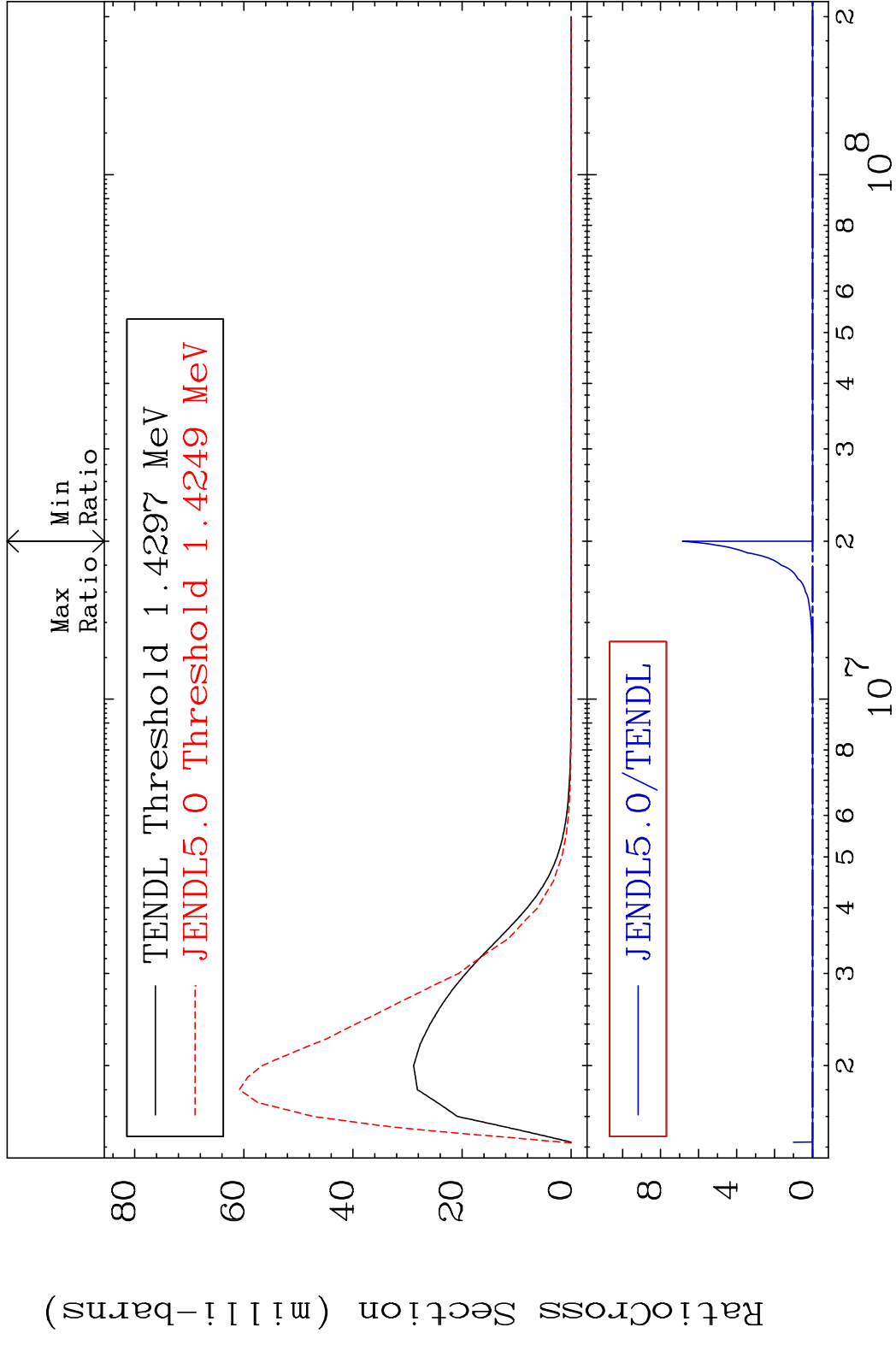


MAT 4525 MT= 78 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

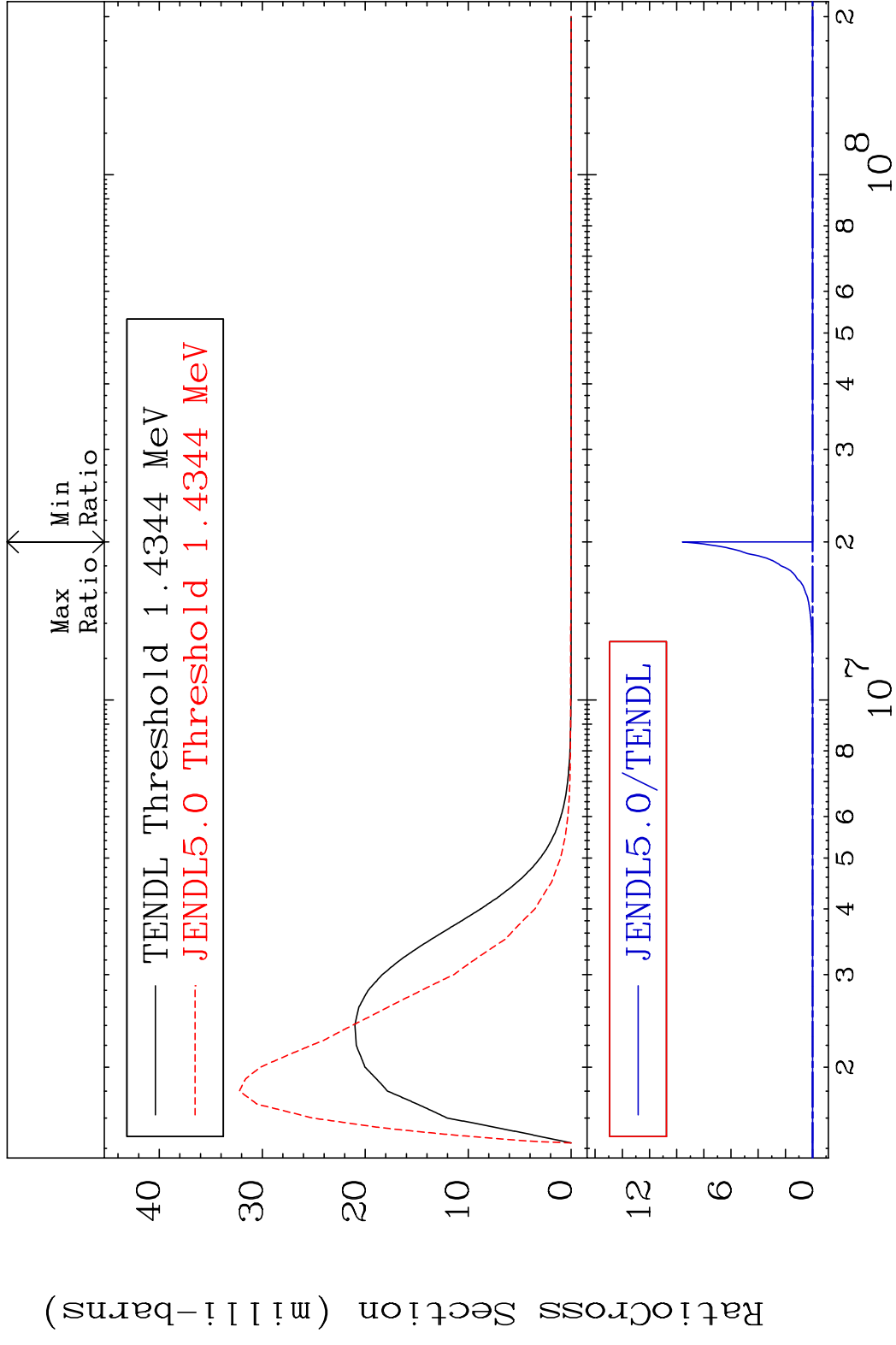


40 Incident Energy (eV) 45-Rh-103

MAT 4525 MT= 79 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %

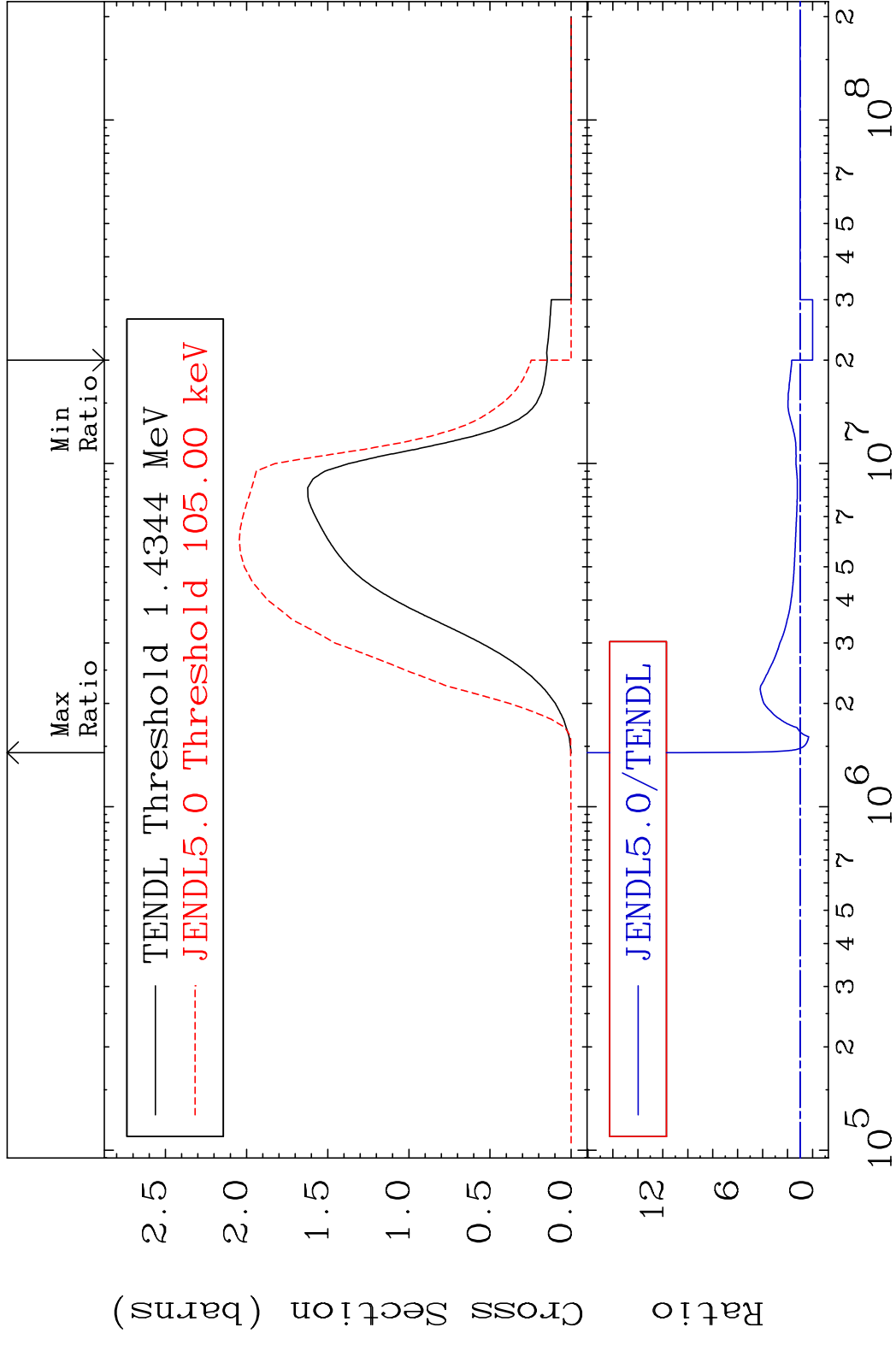


MAT 4525 MT= 80 (n, n') Level 45-Rh-103
 Cross Section -100.0 To 9999. %



42 45-Rh-103

MAT 4525 (n, n') Continuum 45-Rh-103
 Cross Section -100.0 To 943.2 %



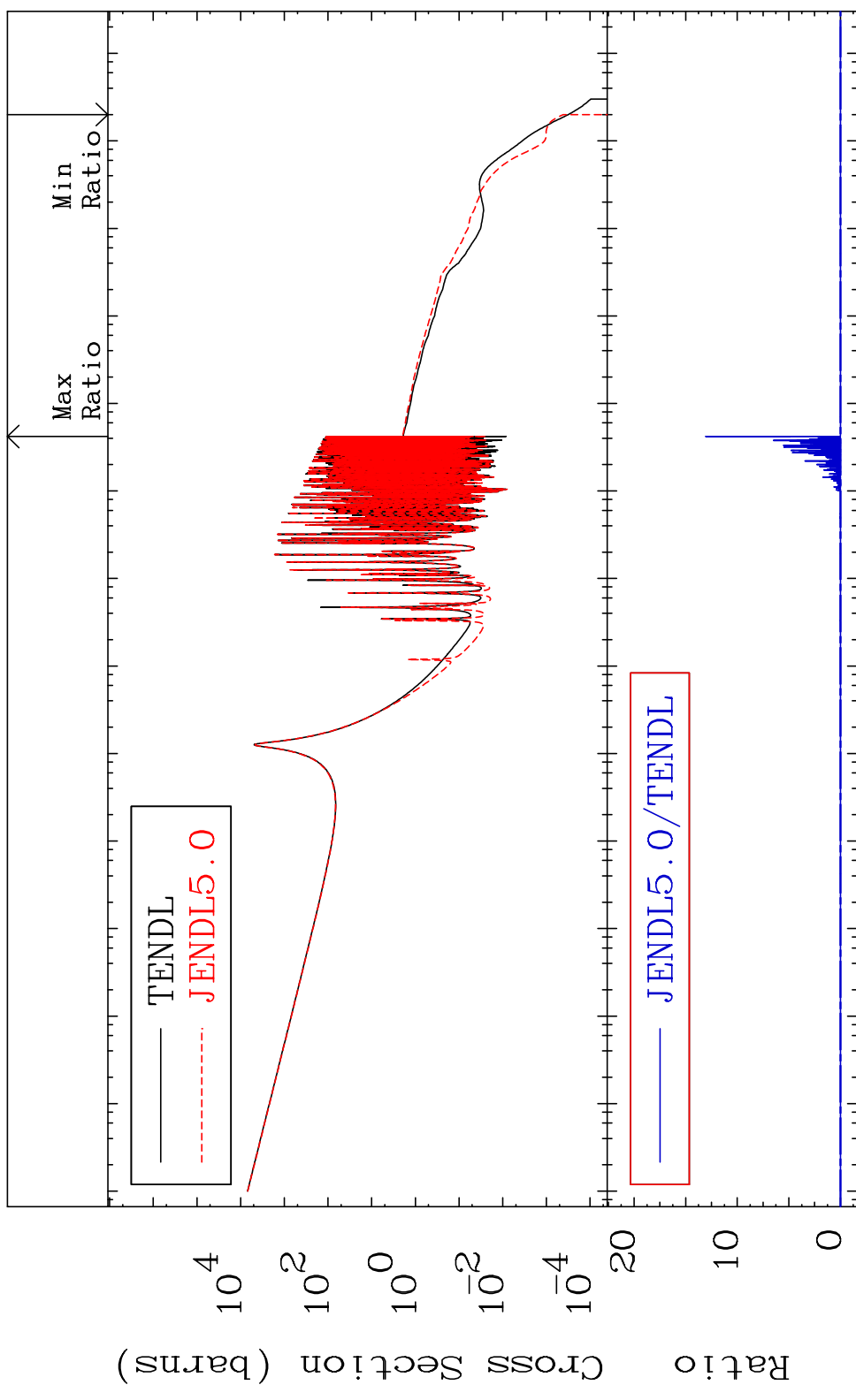
43 Incident Energy (eV) 45-Rh-103

MAT 4525

(n, γ)

45-Rh-103

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

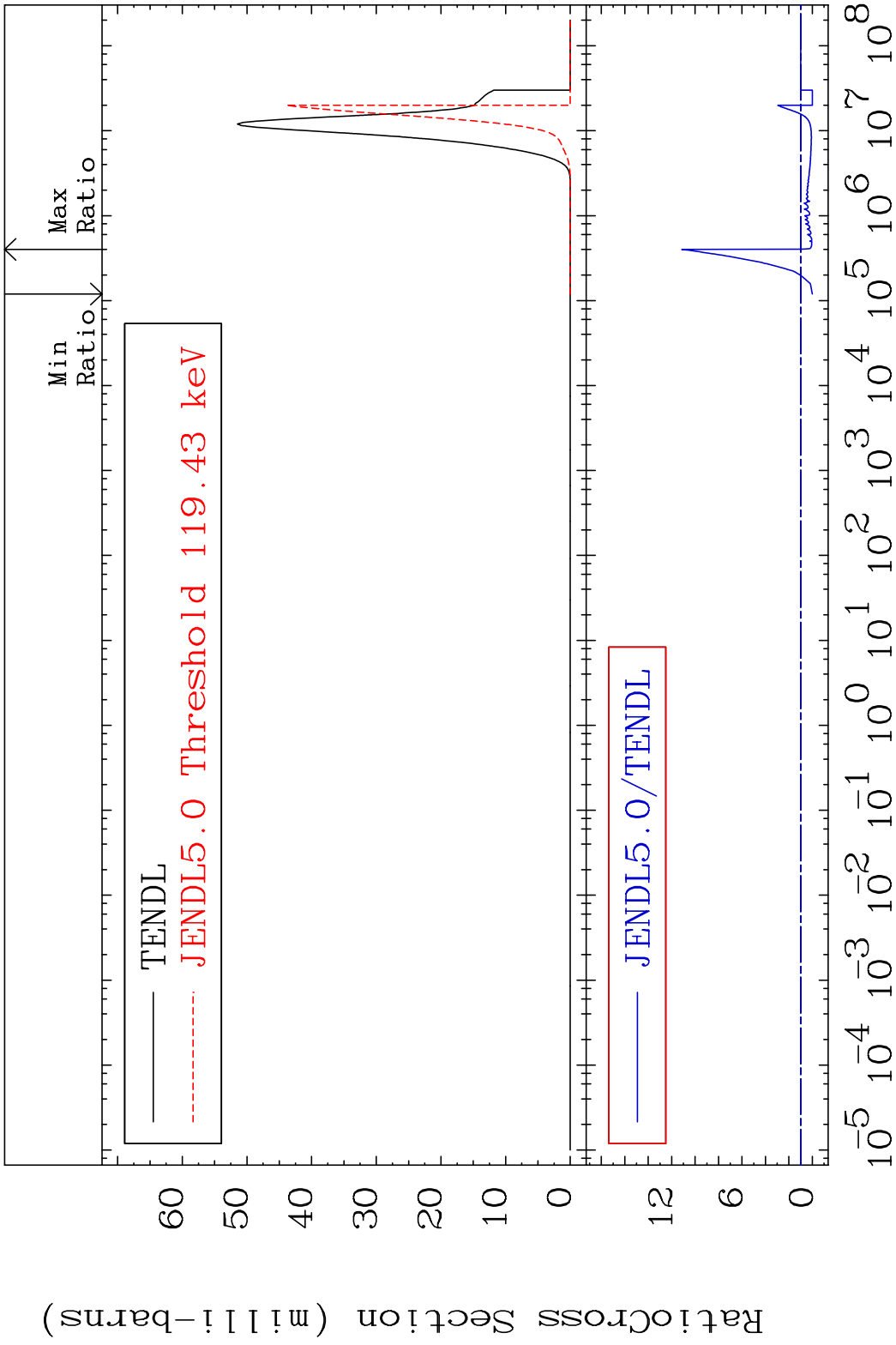
45-Rh-103

MAT 4525

(n, p)

45-Rh-103

Cross Section -100.0 To 1014. %

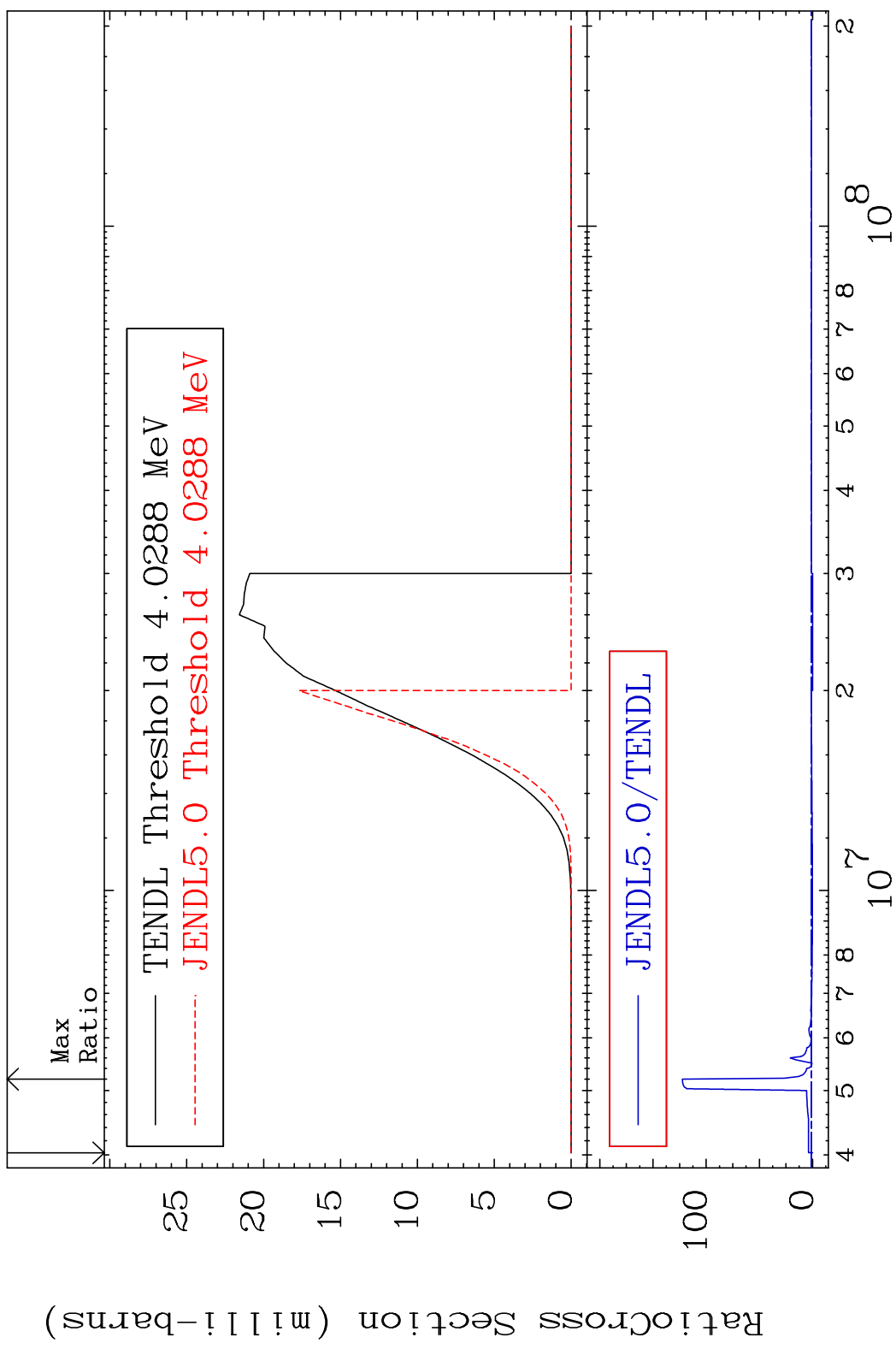


MAT 4525

(n,d)

45-Rh-103

Cross Section -100.0 To 9999. %

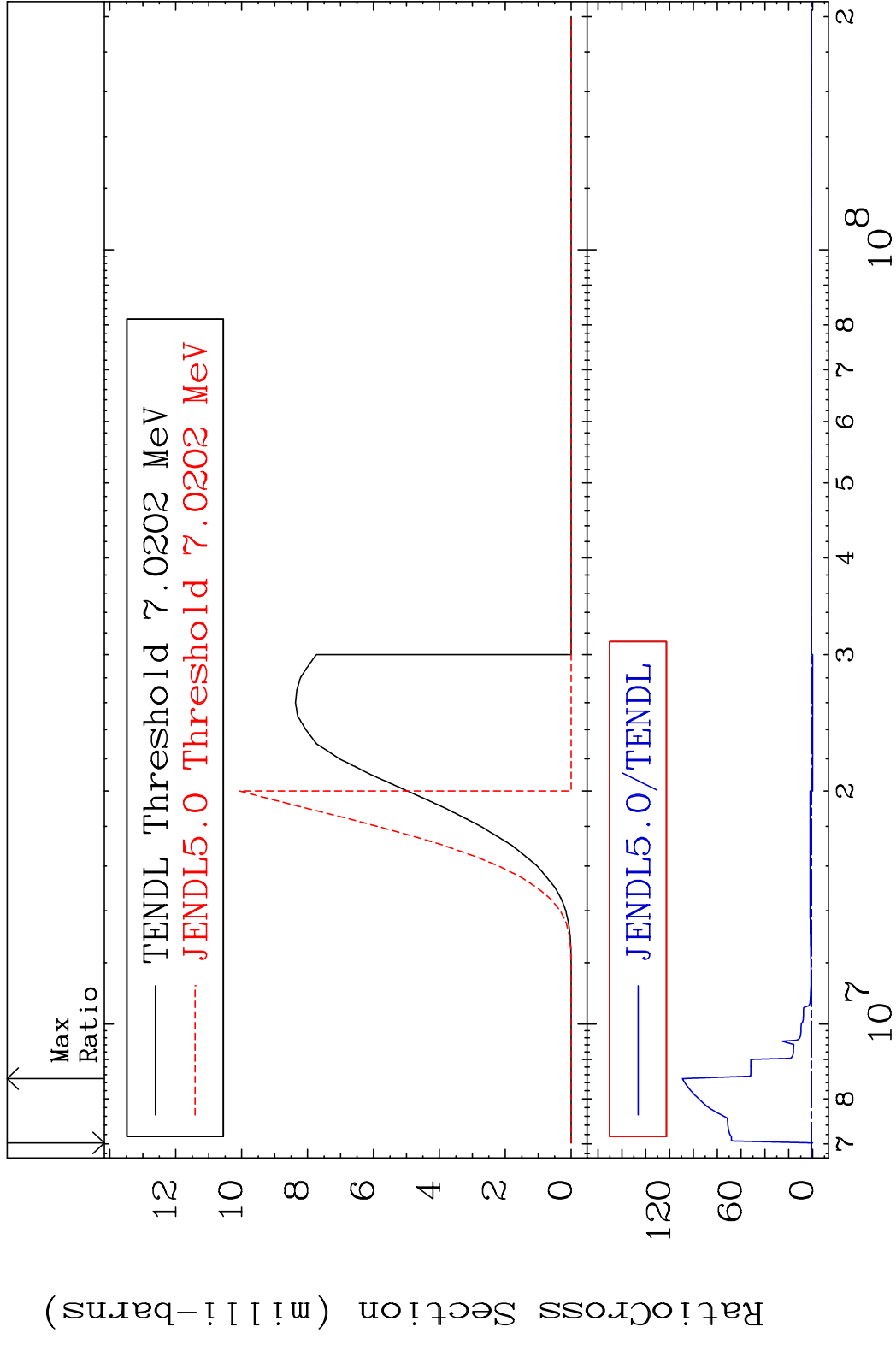


46

Incident Energy (eV)

45-Rh-103

MAT 4525 (n, t) 45-Rh-103
 Cross Section -100.0 To 9999. %

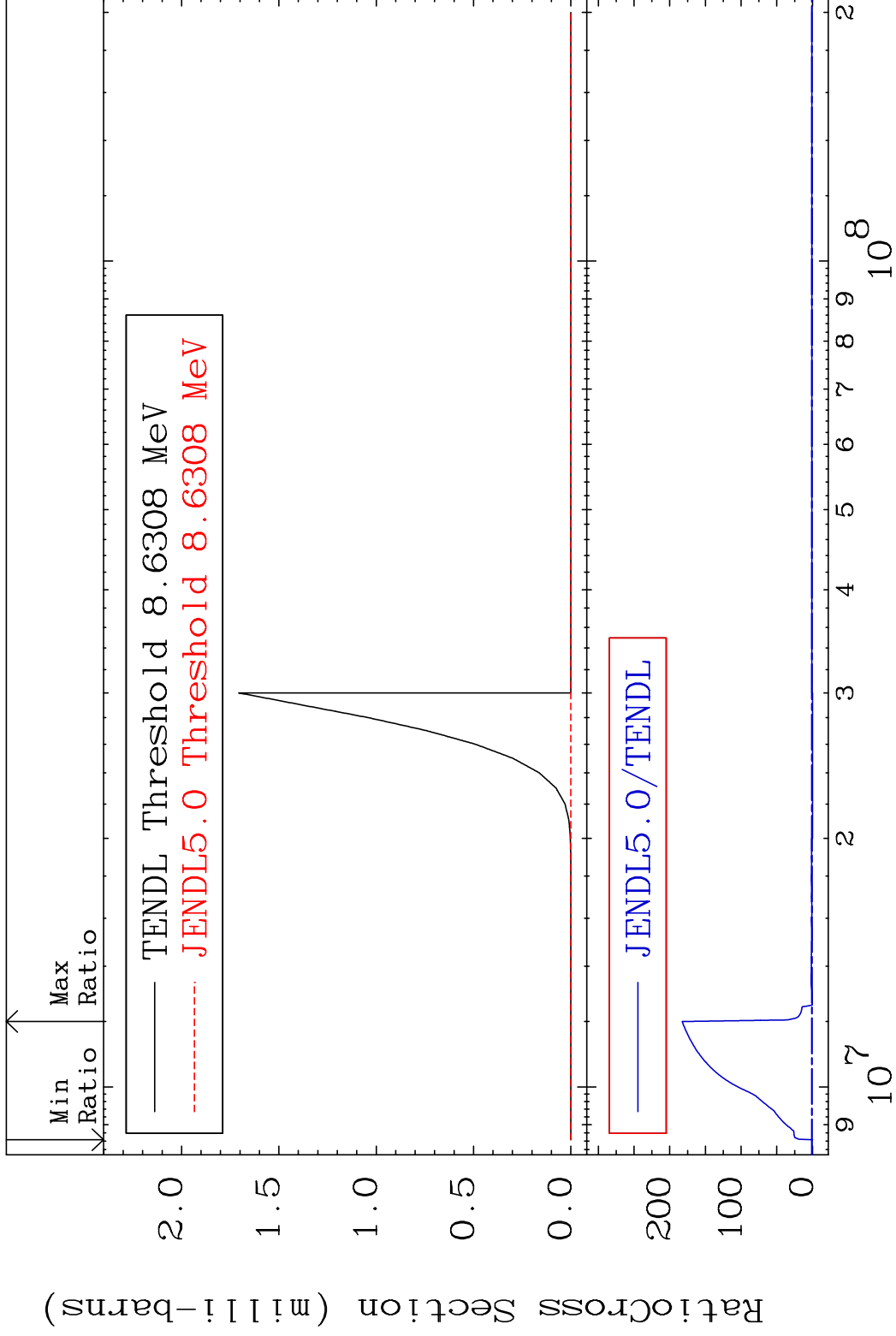


MAT 4525

(n, He-3)

45-Rh-103

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

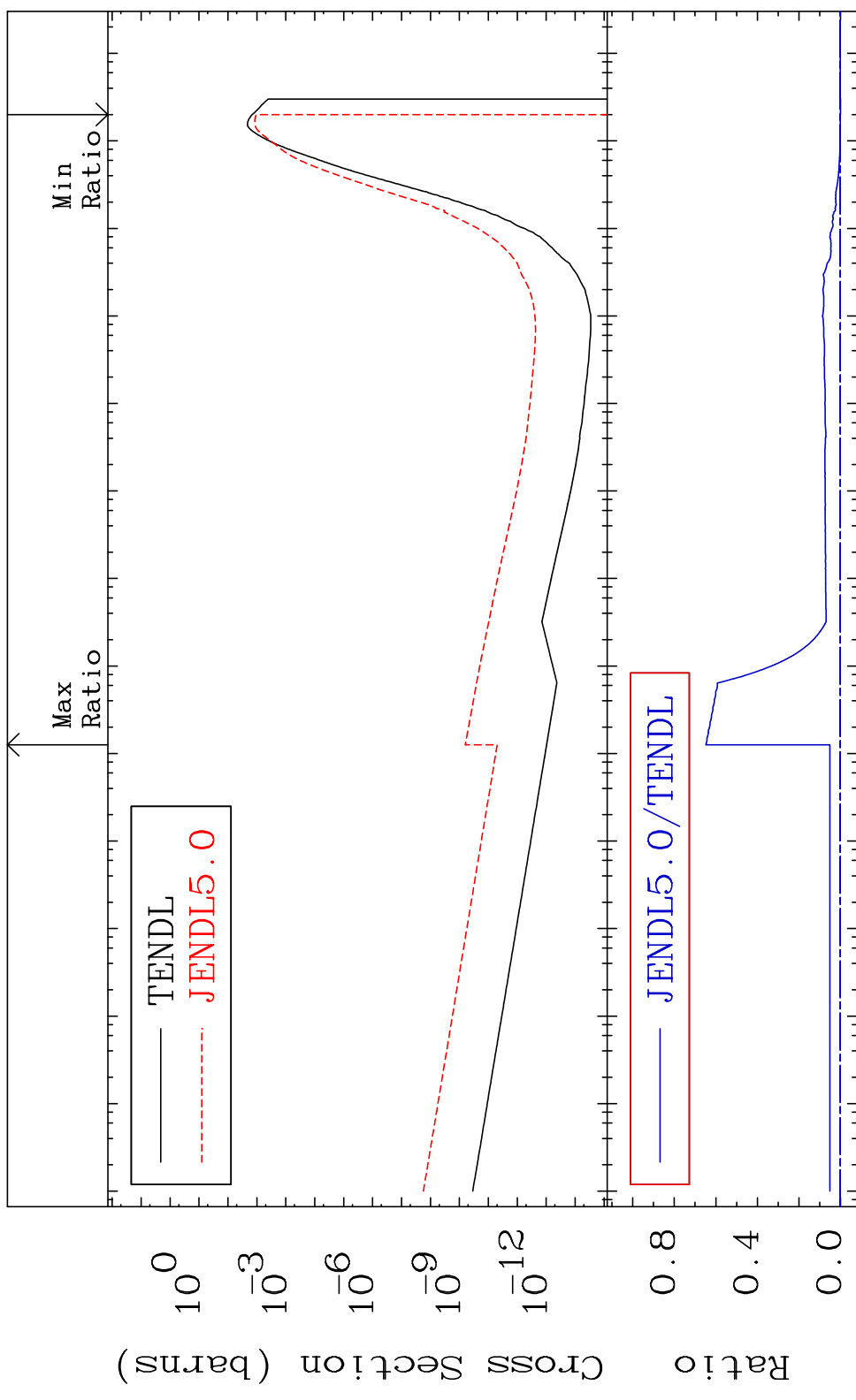
45-Rh-103

MAT 4525

(n, α)

45-Rh-103

Cross Section -100.0 To 9999. %



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

49

Incident Energy (eV)

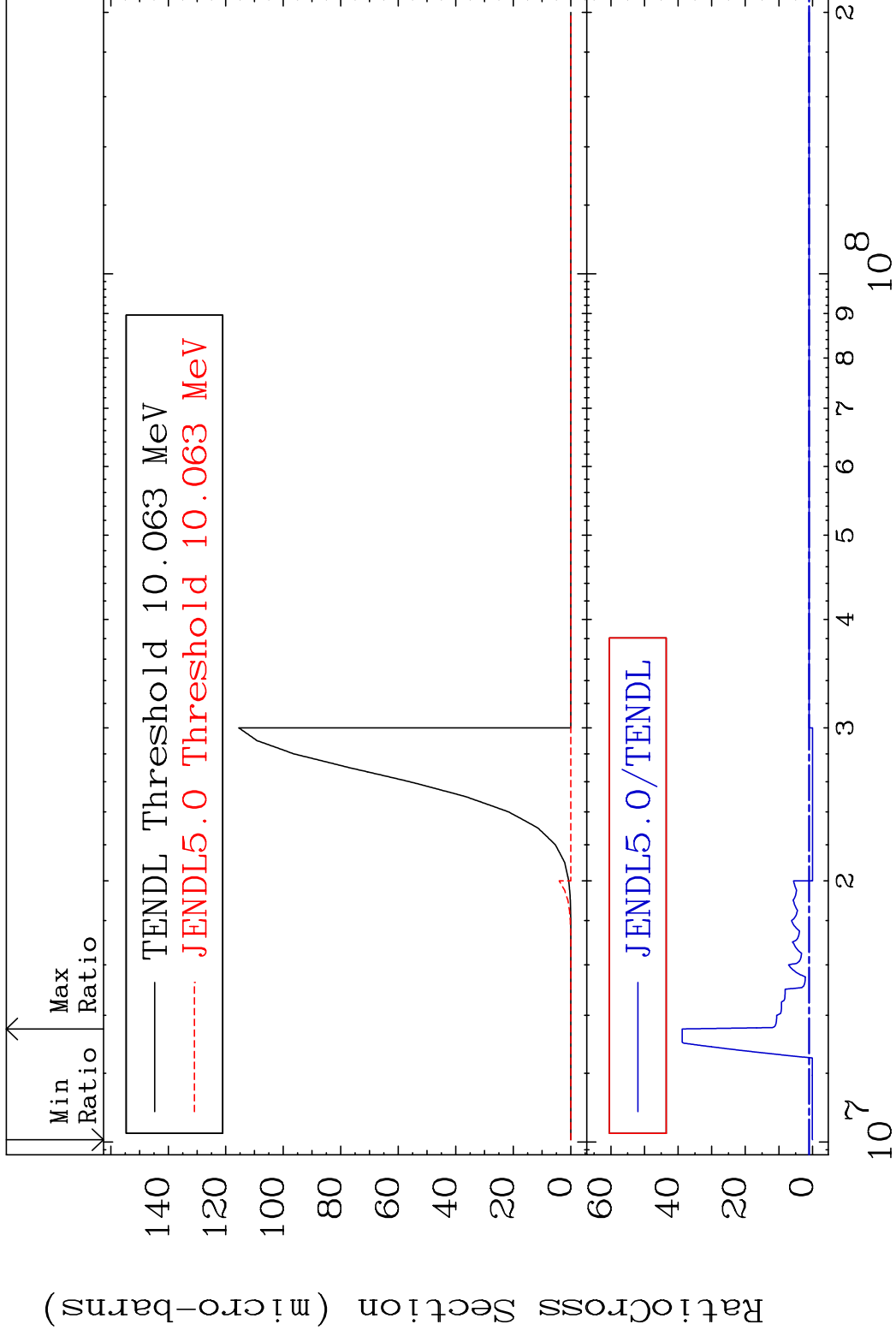
45-Rh-103

MAT 4525

(n,2p)

45-Rh-103

Cross Section -100.0 To 3779. %

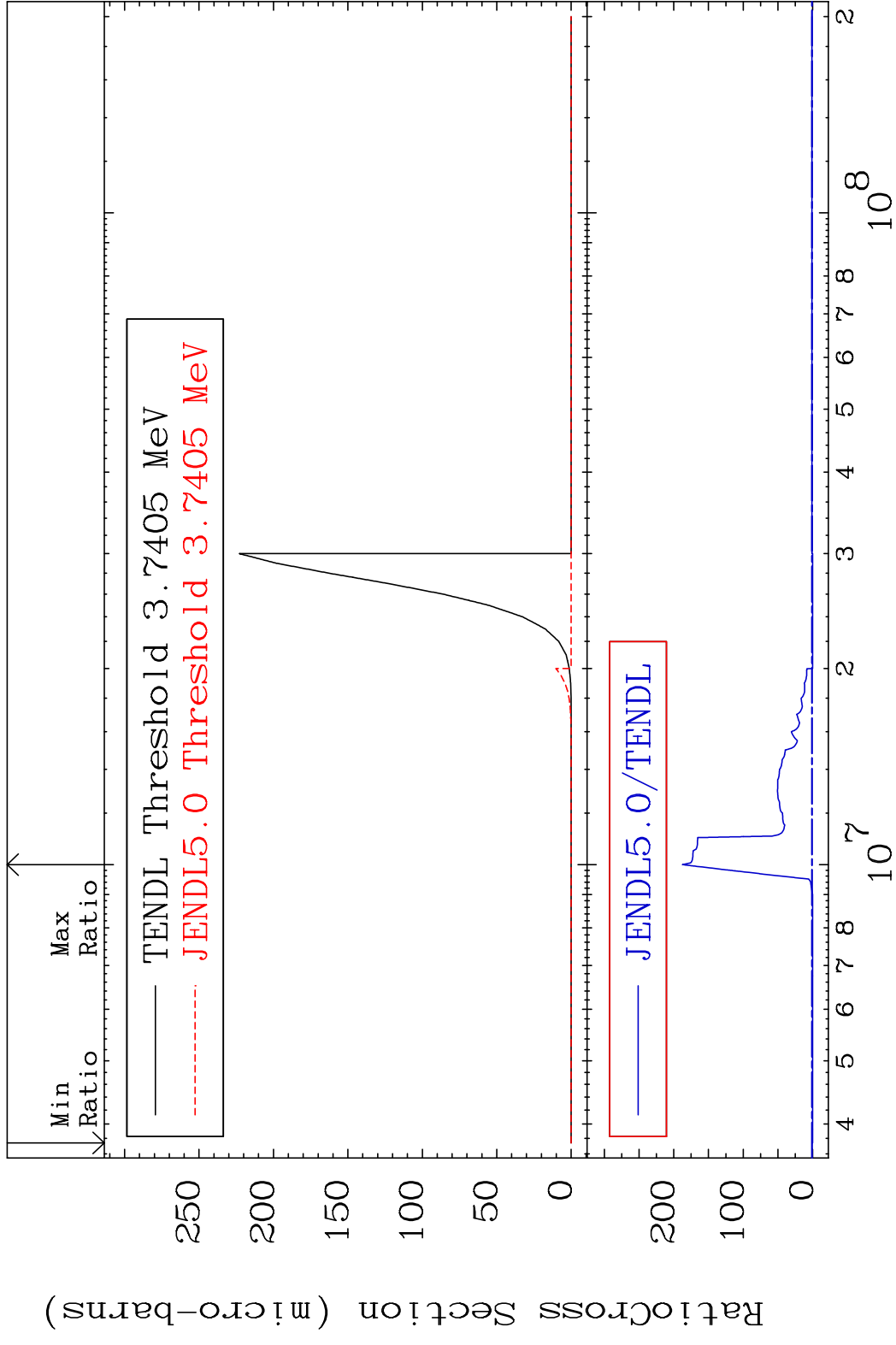


50

Incident Energy (eV)

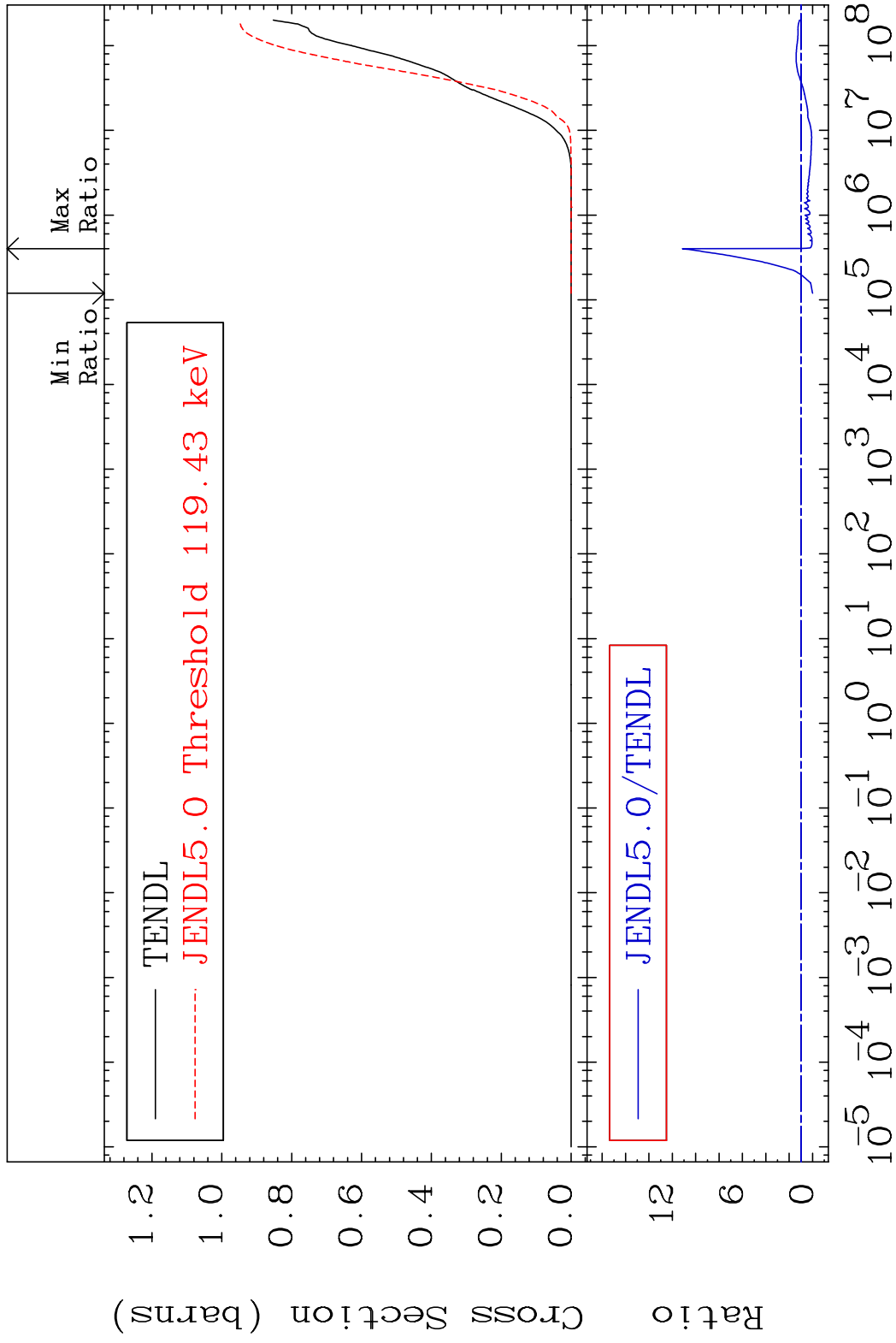
45-Rh-103

MAT 4525 (n,p) α 45-Rh-103
 Cross Section -100.0 To 9999. %



MAT 4525

Hydrogen Production 45-Rh-103
Cross Section -100.0 To 1014. %

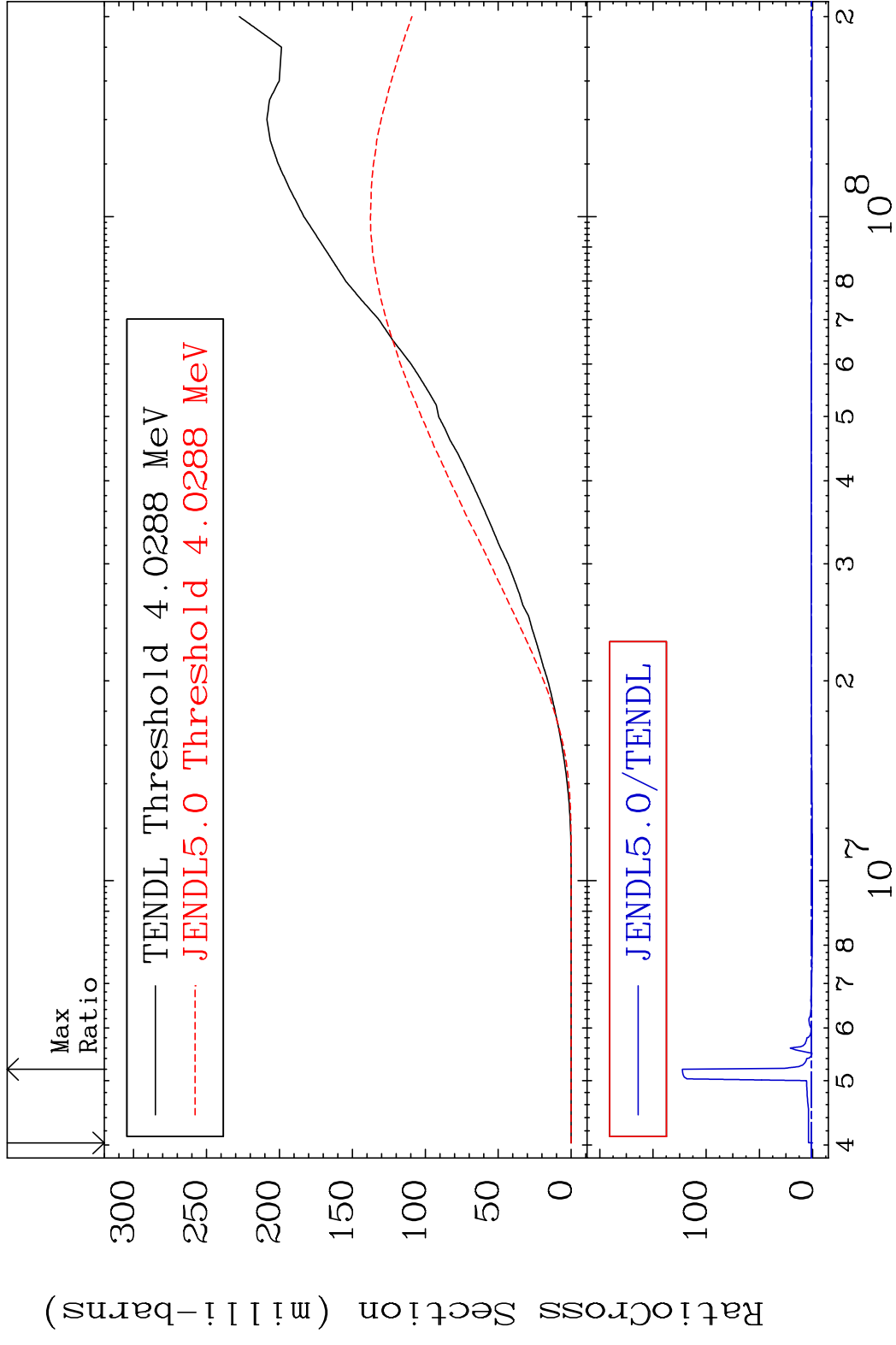


52

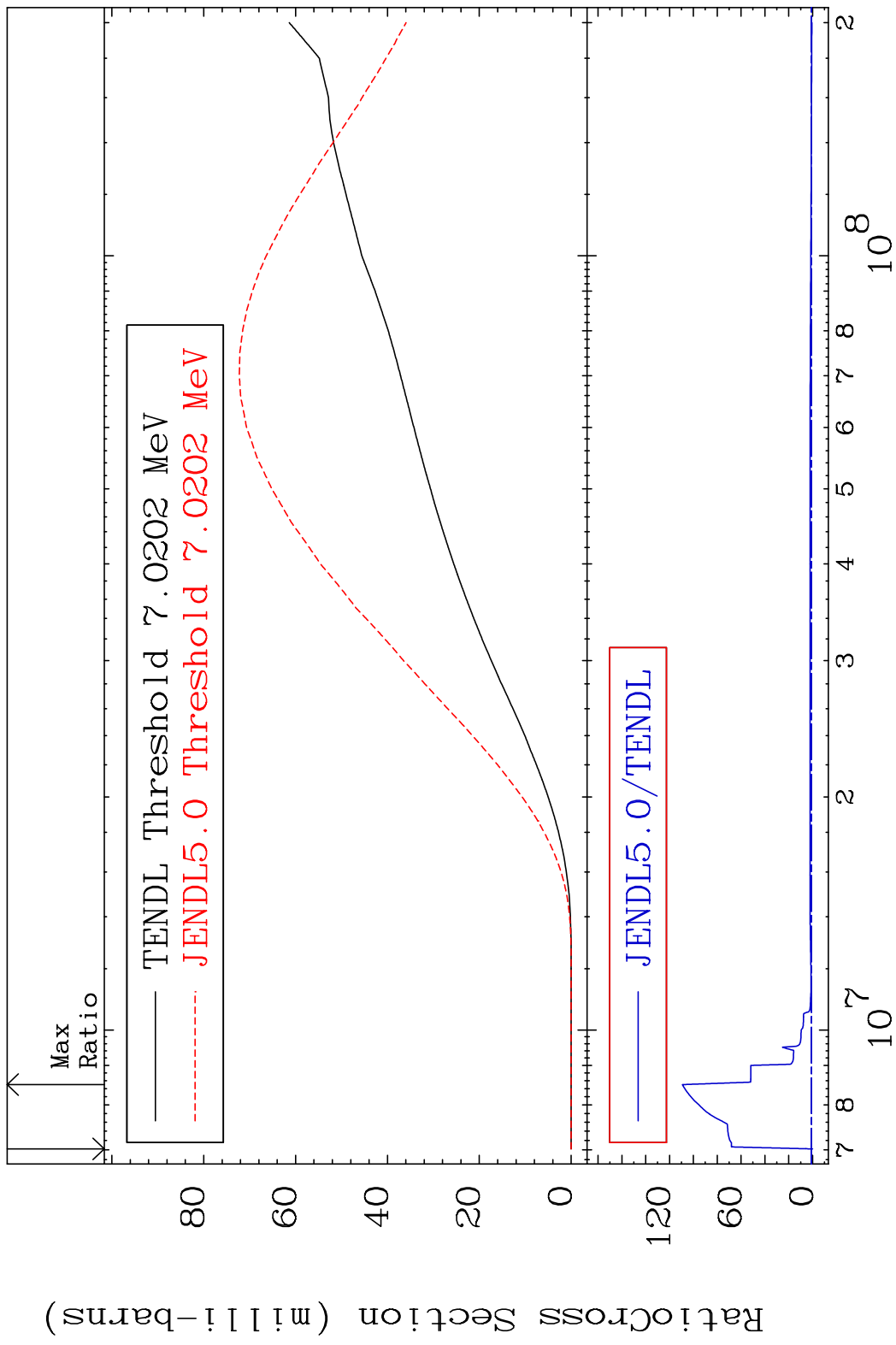
Incident Energy (eV)

45-Rh-103

MAT 4525 Deuterium Production 45-Rh-103
 Cross Section -100.0 To 9999. %



MAT 4525 Tritium Production 45-Rh-103
 Cross Section -100.0 To 9999. %

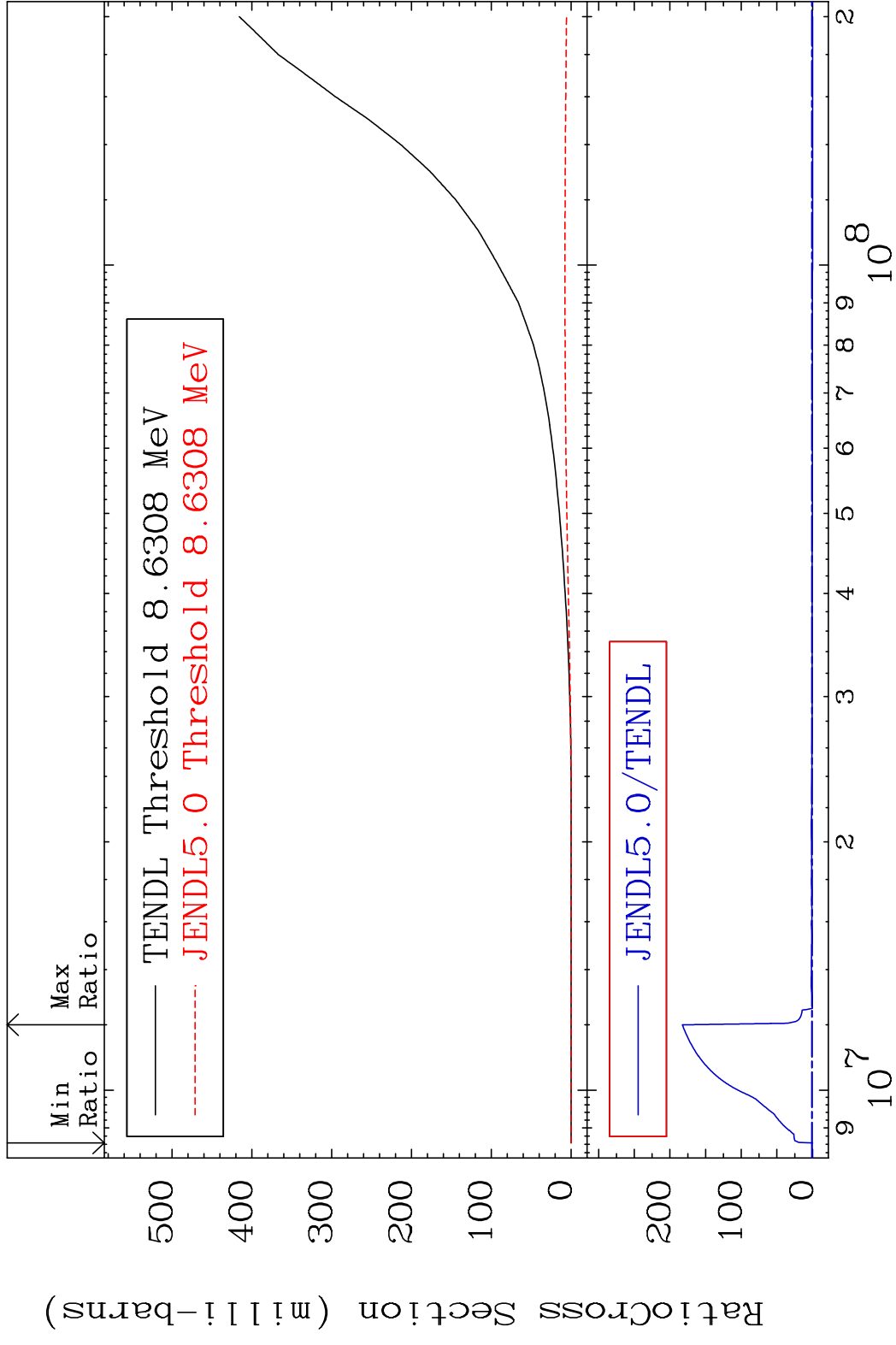


MAT 4525

He-3 Production

45-Rh-103

Cross Section -100.0 To 9999. %

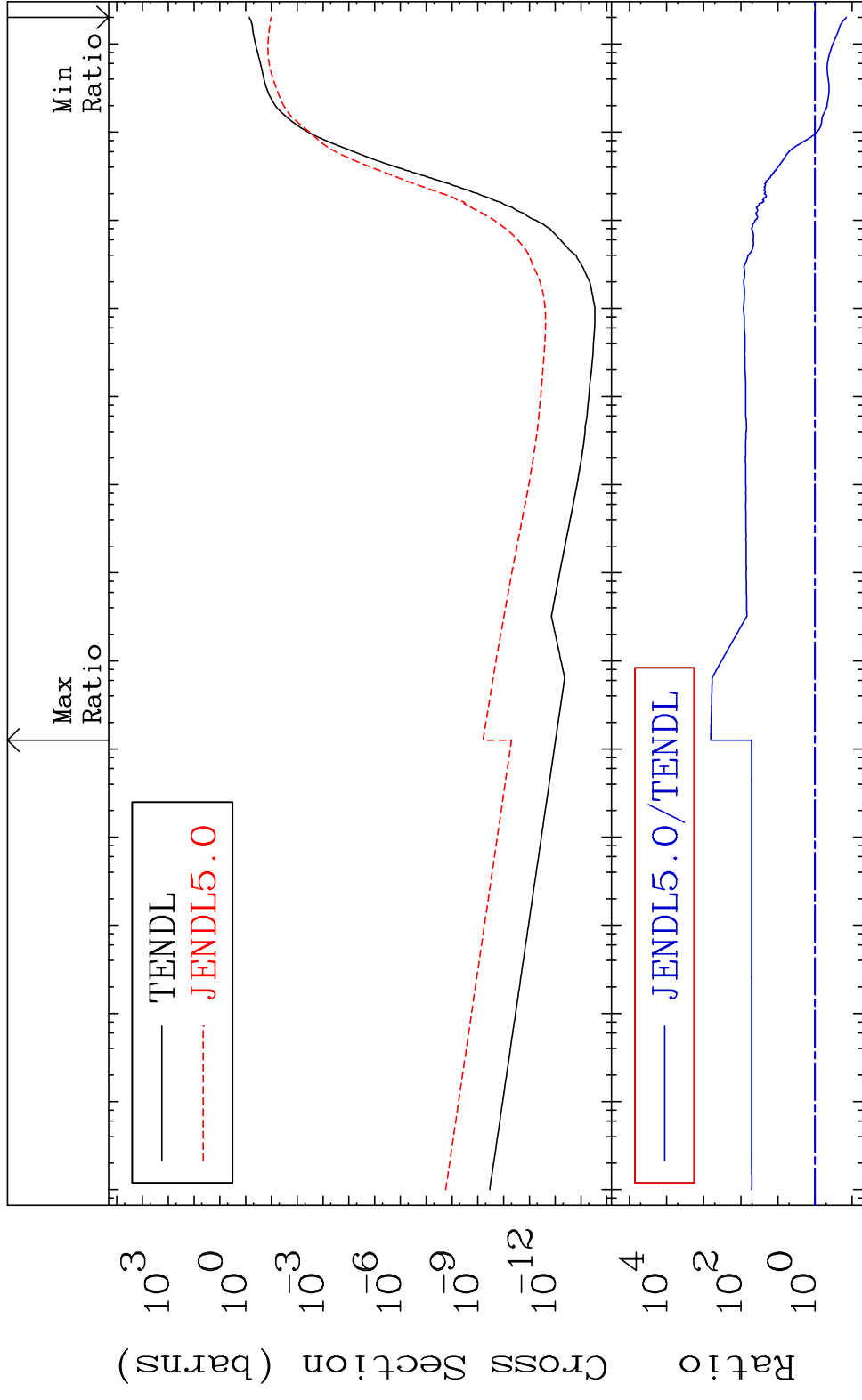


55

Incident Energy (eV)

45-Rh-103

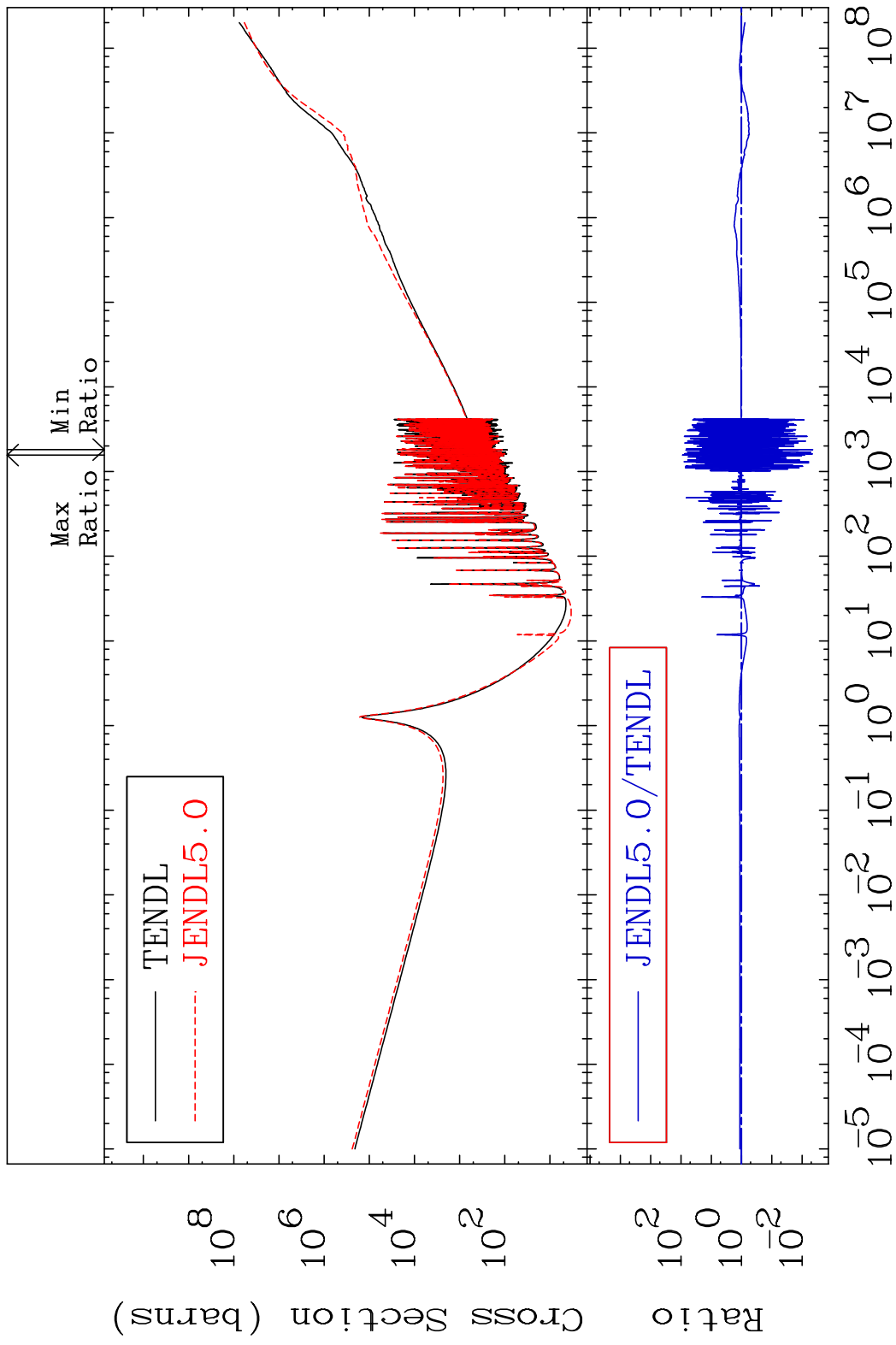
MAT 4525 He-4 Production 45-Rh-103
 Cross Section -85.75 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

56 Incident Energy (eV) 45-Rh-103

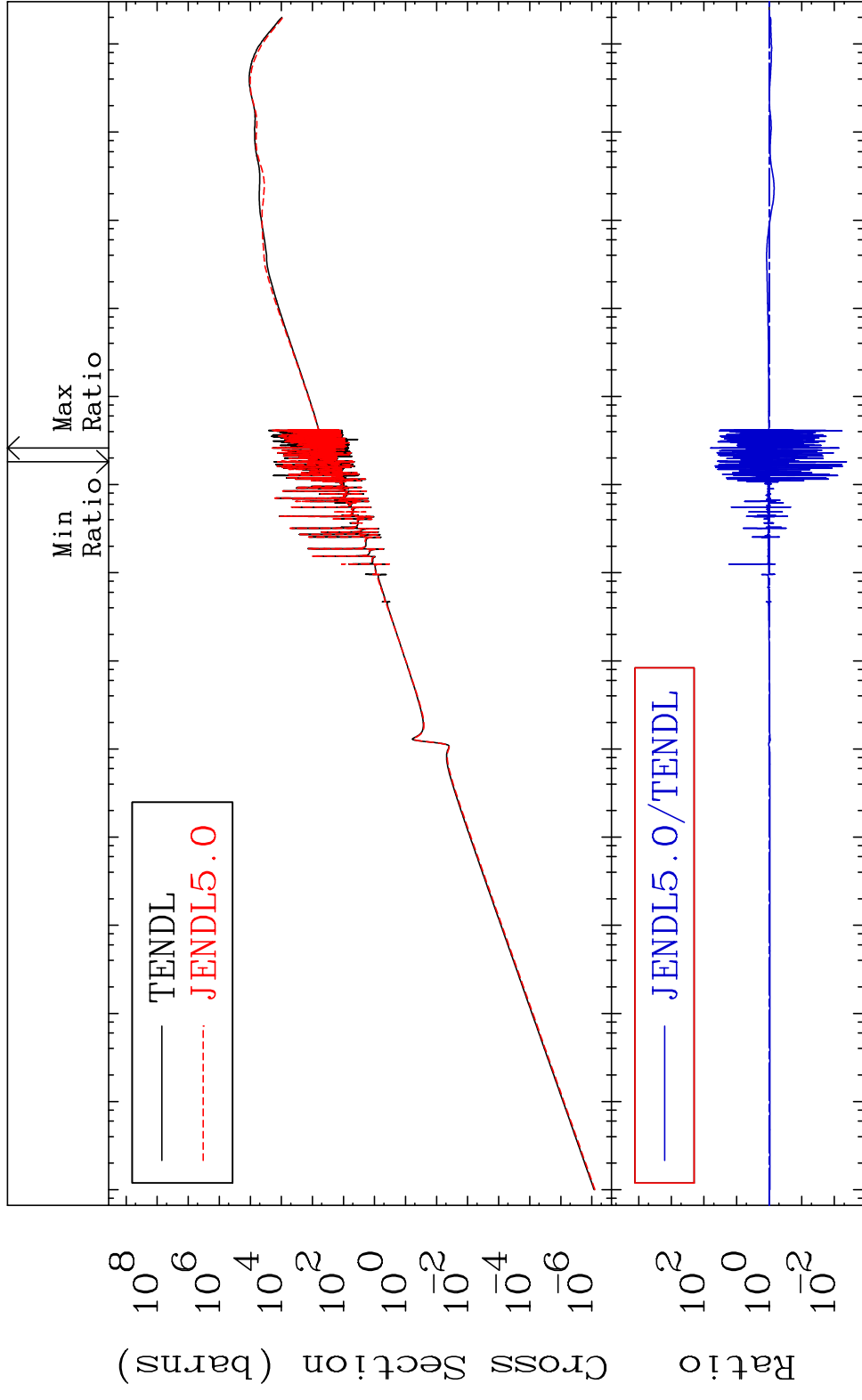
MAT 4525 Kerma total (eV-barns) 45-Rh-103
 Cross Section -99.54 To 8867. %



MAT 4525

Kerma elastic
Cross Section

45-Rh-103
-99.57 To 6098. %



10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^{-8}

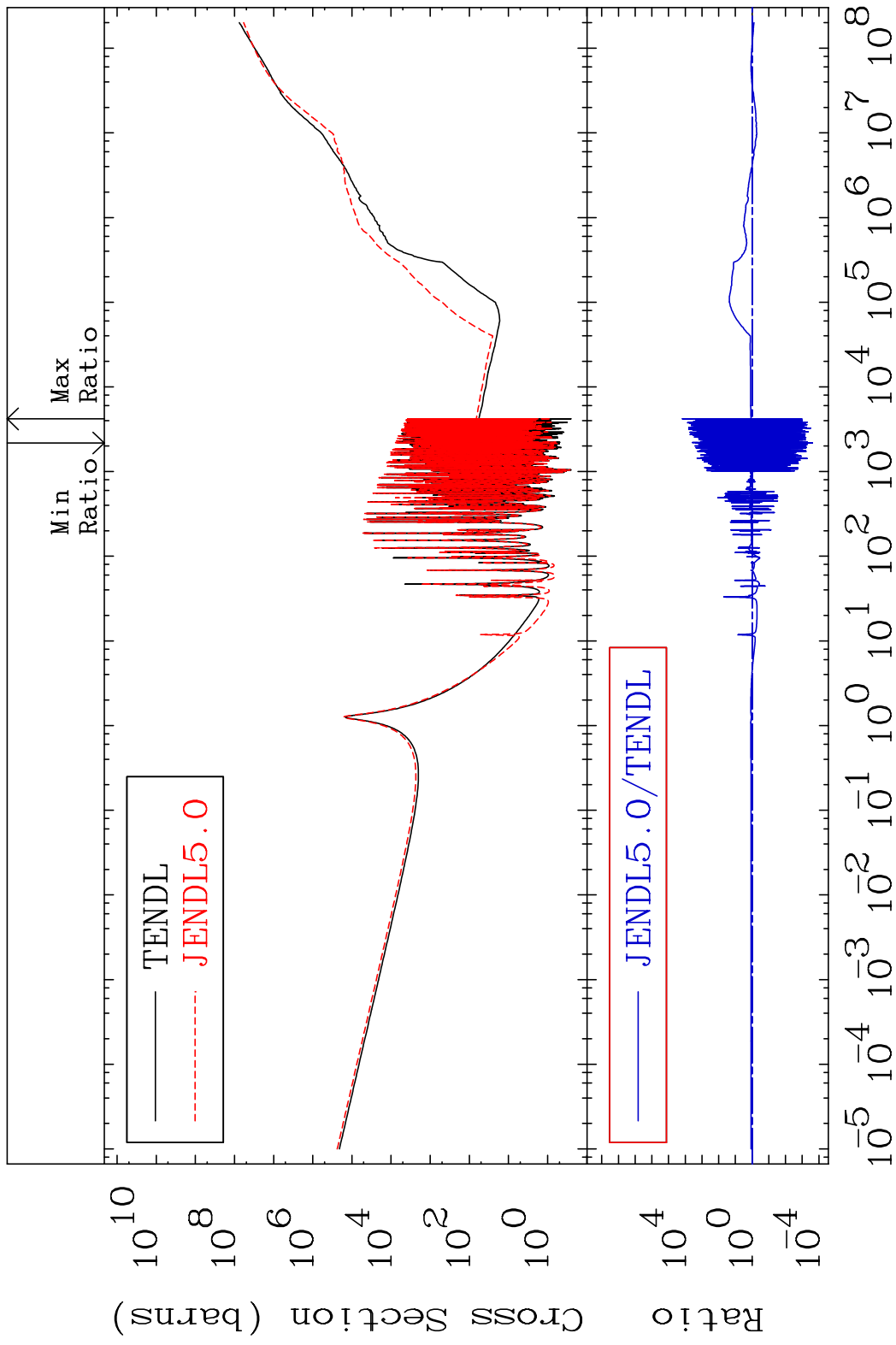
Cross Section (barns)

Ratio
 10^2
 10^0
 10^{-2}

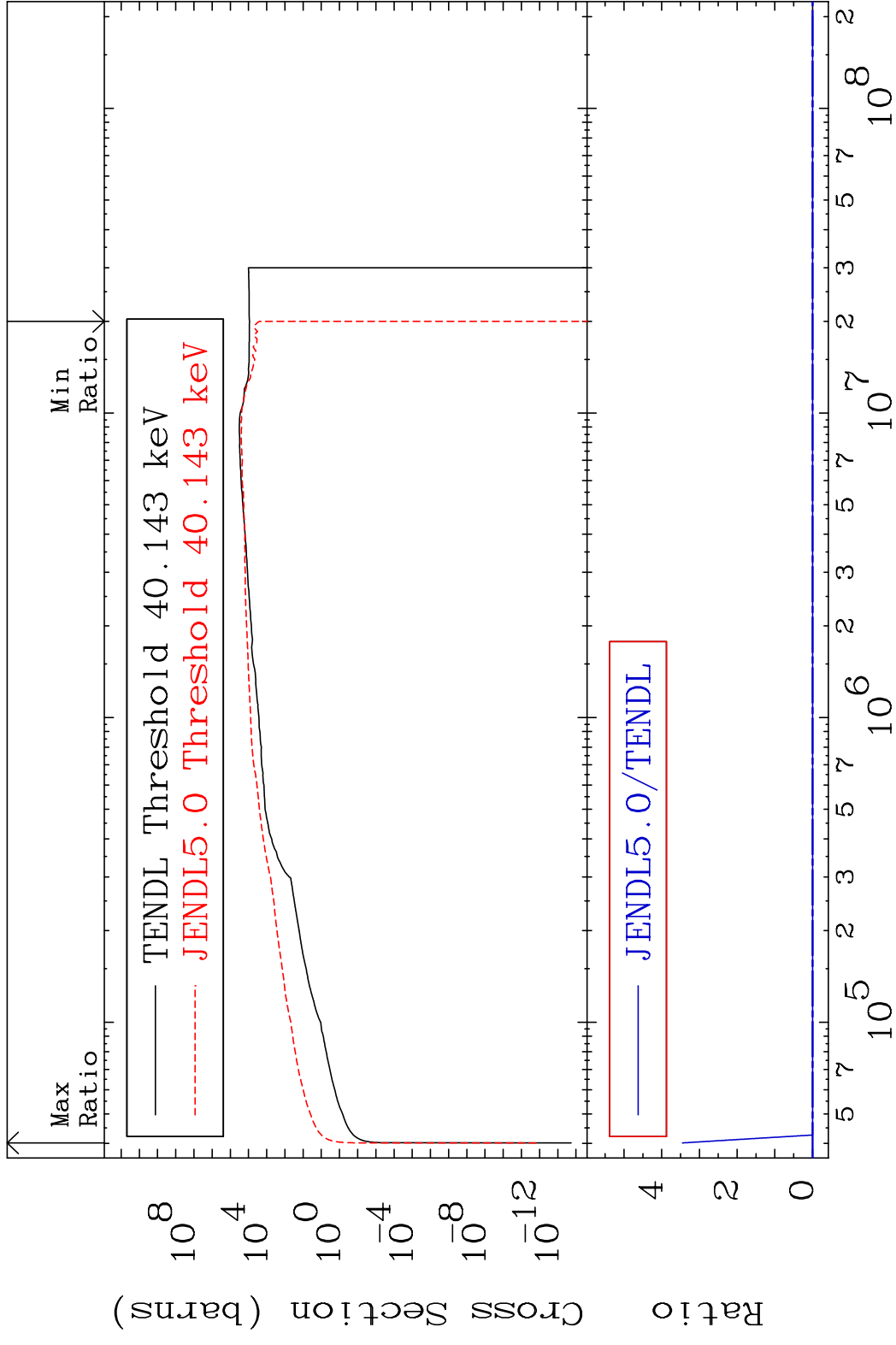
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

Incident Energy (eV)

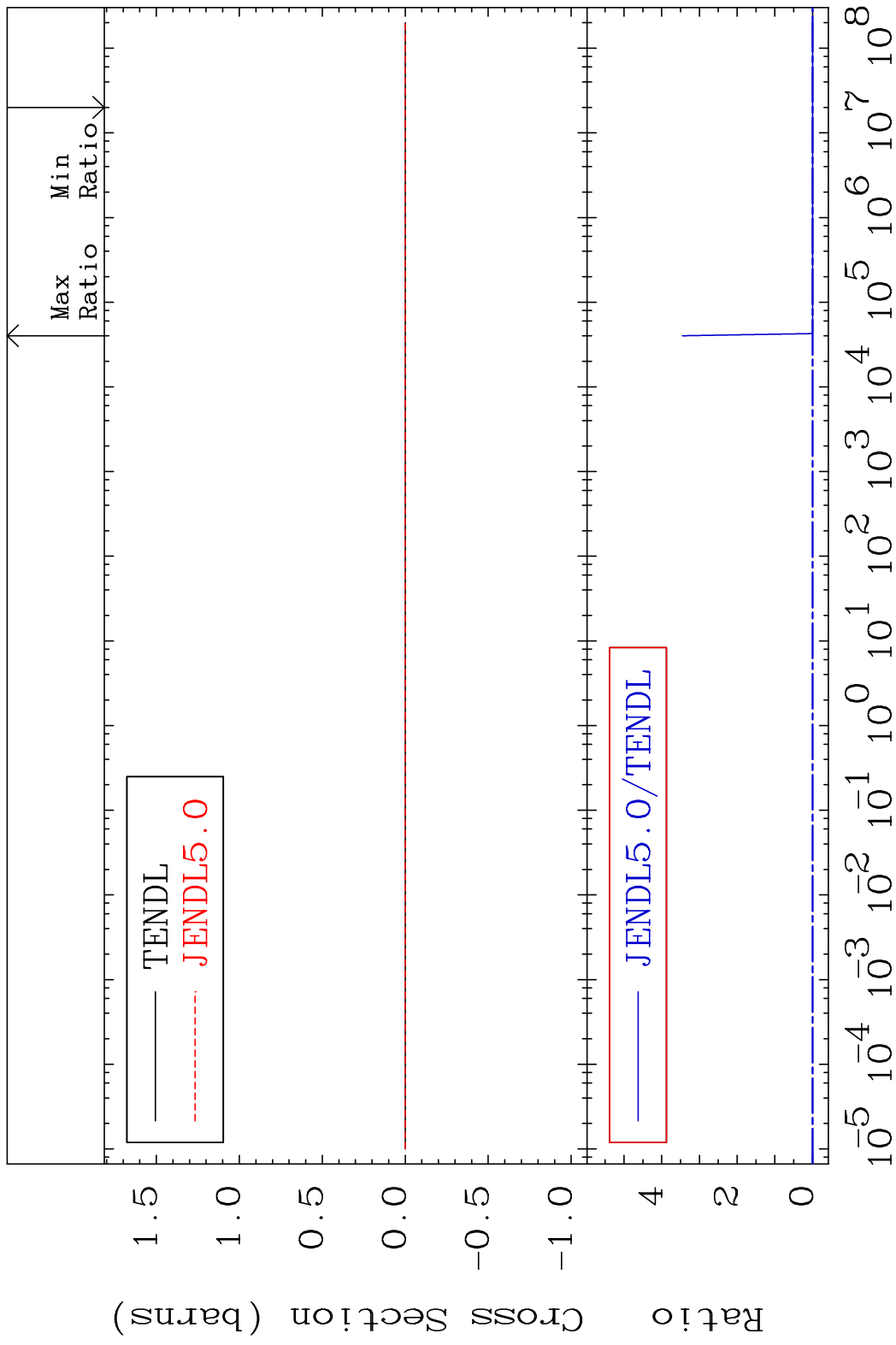
MAT 4525 Kerma non-elastic (all but mt2) 45-Rh-103
 Cross Section -99.98 To 9999. %



MAT 4525 Kerma inelastic (mt51-91) 45-Rh-103
 Cross Section -100.0 To 9999. %



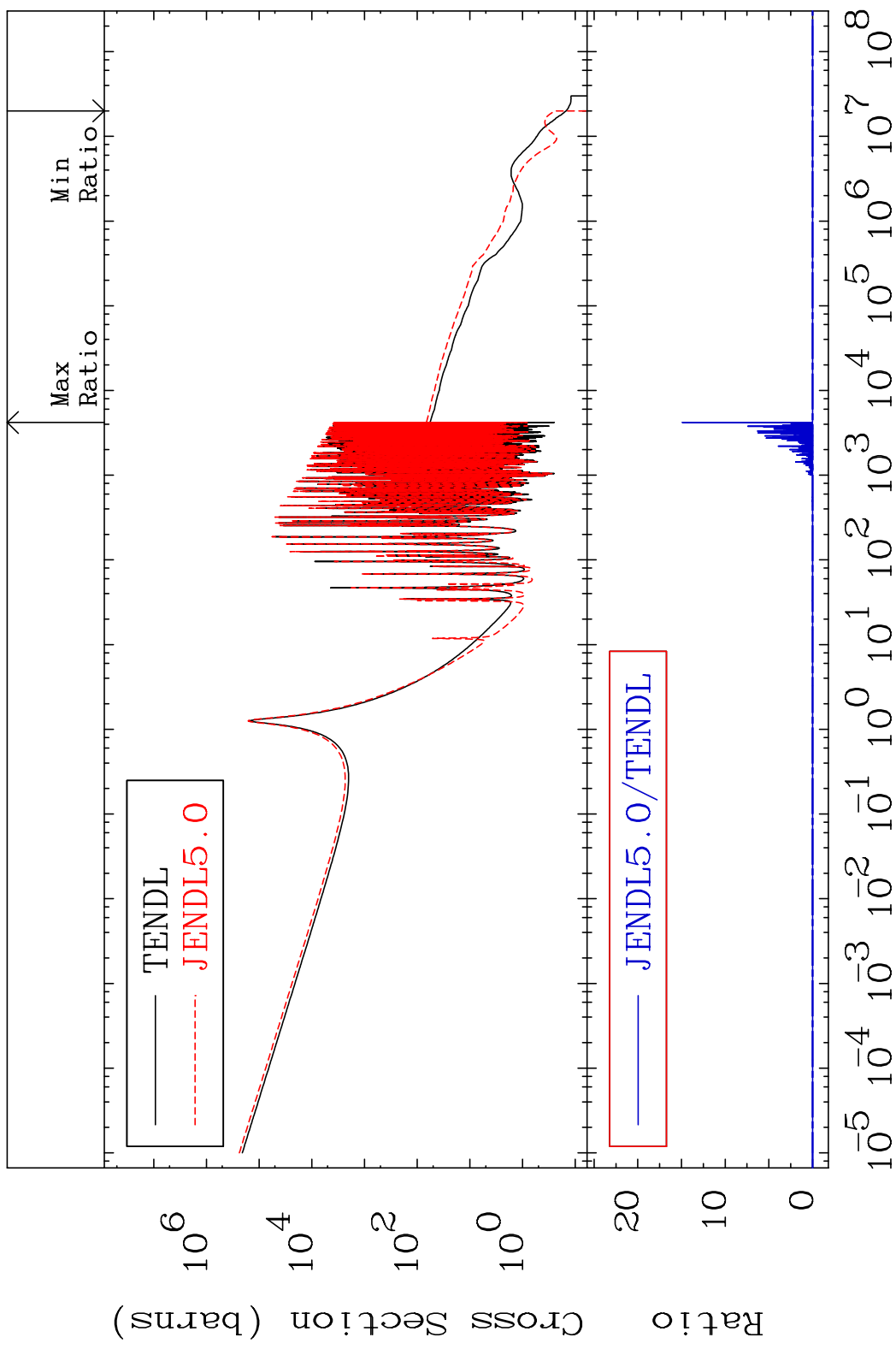
MAT 4525 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-103
 Cross Section -100.0 To 9999. %



MAT 4525

Kerma capture (mt102) 45-Rh-103

Cross Section -100.0 To 9999. %

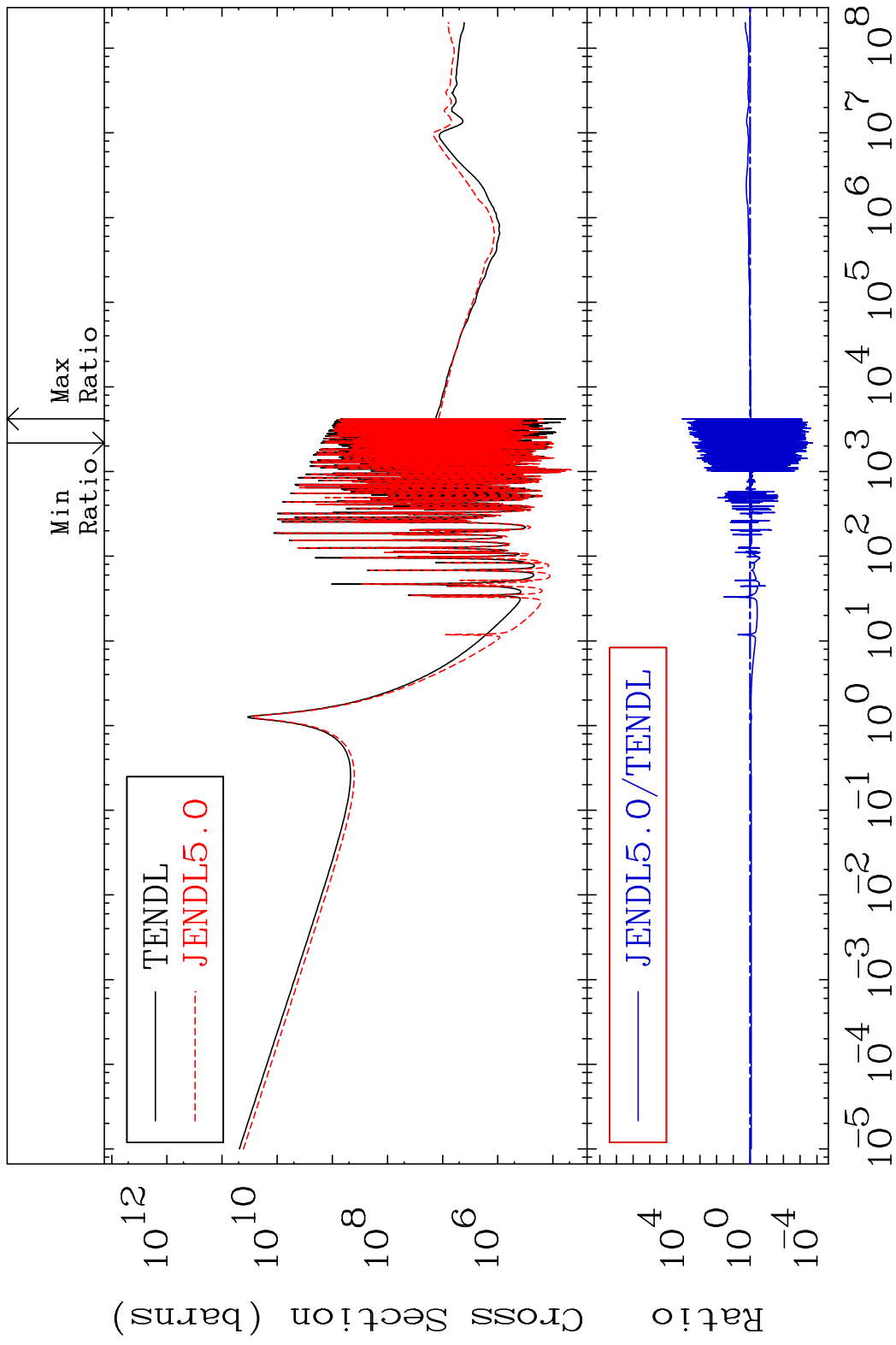


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Incident Energy (eV)

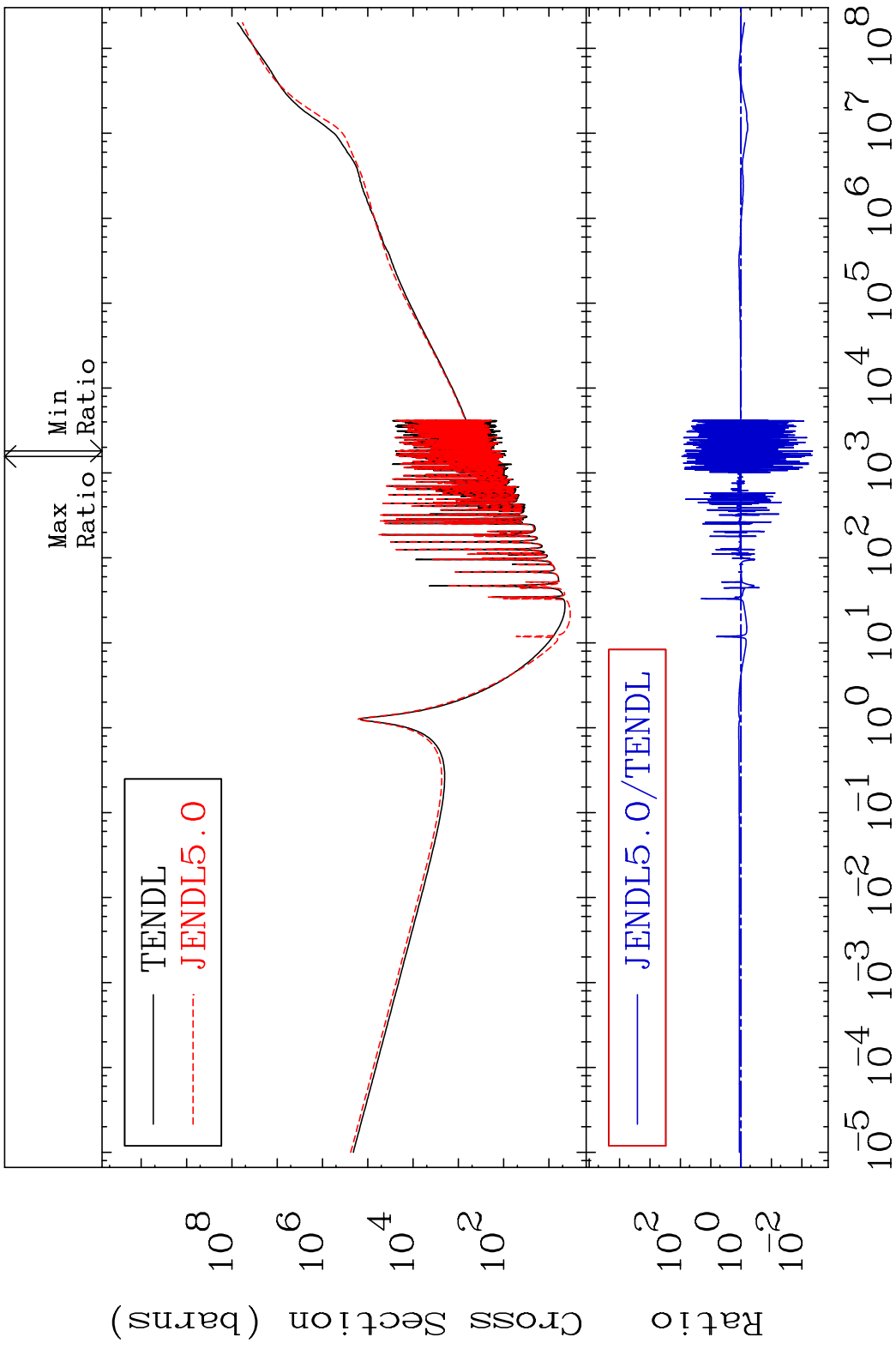
45-Rh-103

MAT 4525 Total photon (eV-barns) 45-Rh-103
 Cross Section -99.98 To 9999. %

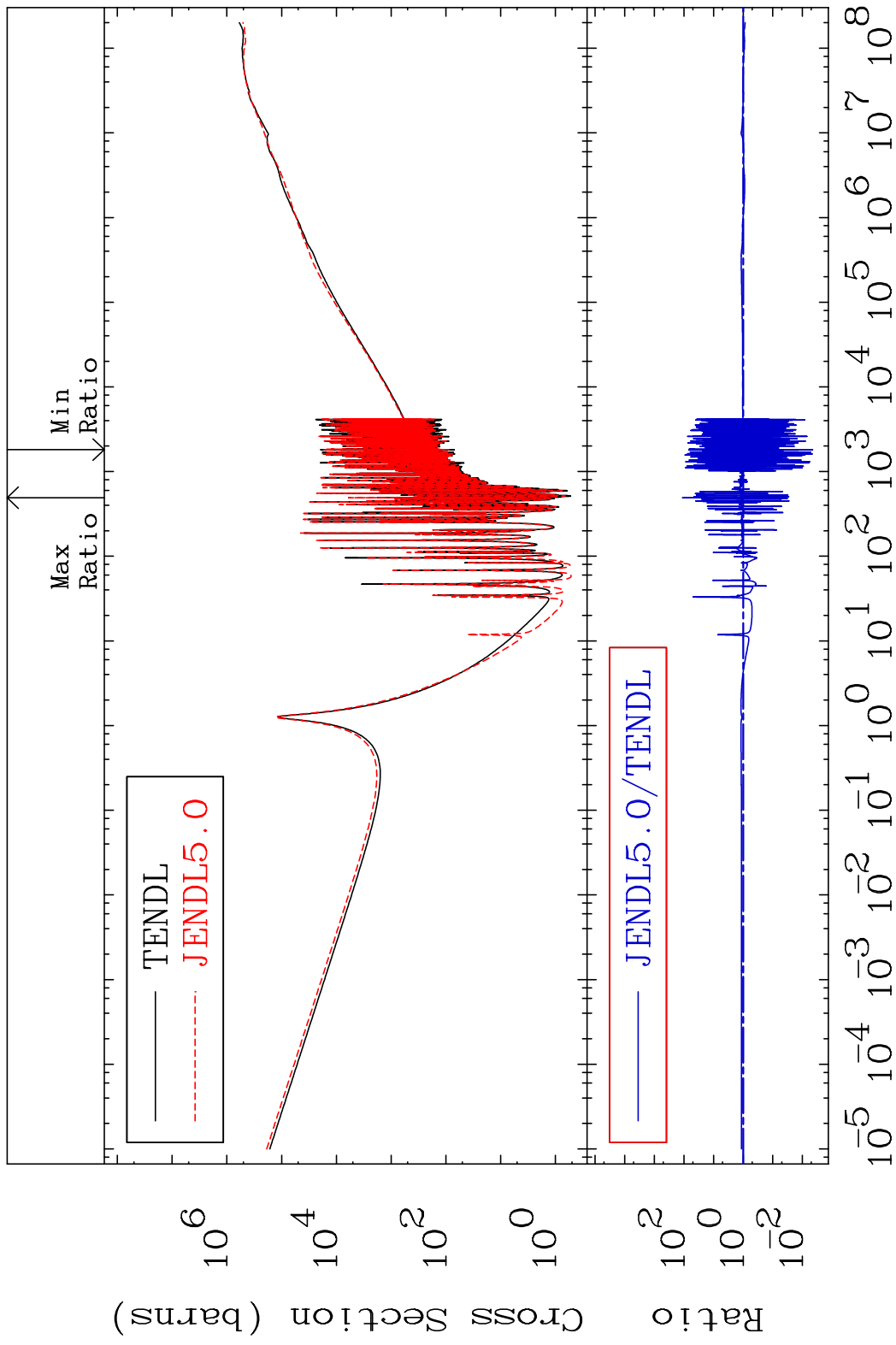


63 Incident Energy (eV) 45-Rh-103

MAT 4525 Total kinematic kerma (high limit) 45-Rh-103
Cross Section -99.54 To 8867. %



MAT 4525 Dpa total (eV-barns) 45-Rh-103
 Cross Section -99.54 To 9999. %



65 Incident Energy (eV) 45-Rh-103

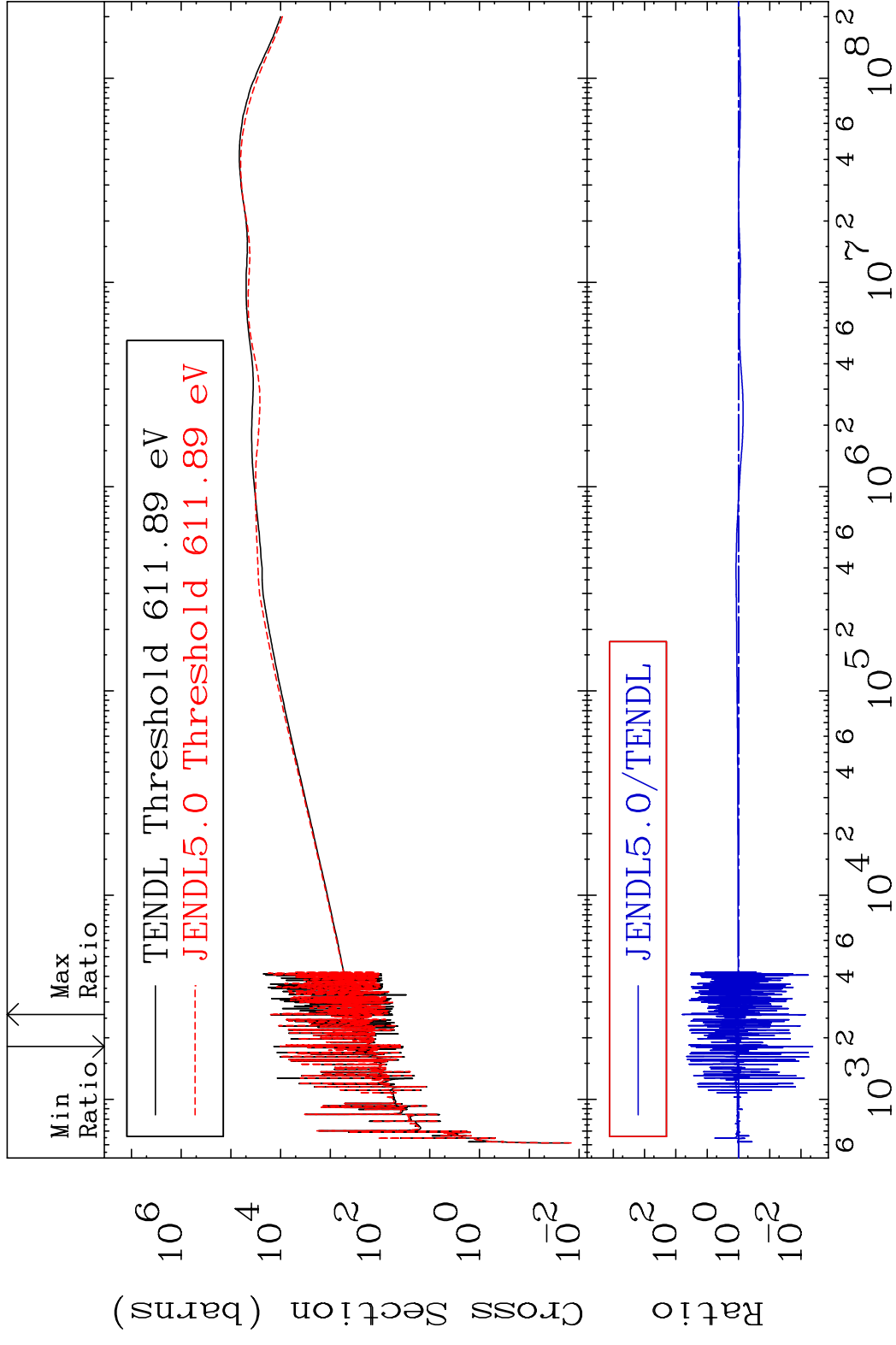
MAT 4525

Dpa elastic (mt2)

45-Rh-103

Cross Section

-99.57 To 6101. %

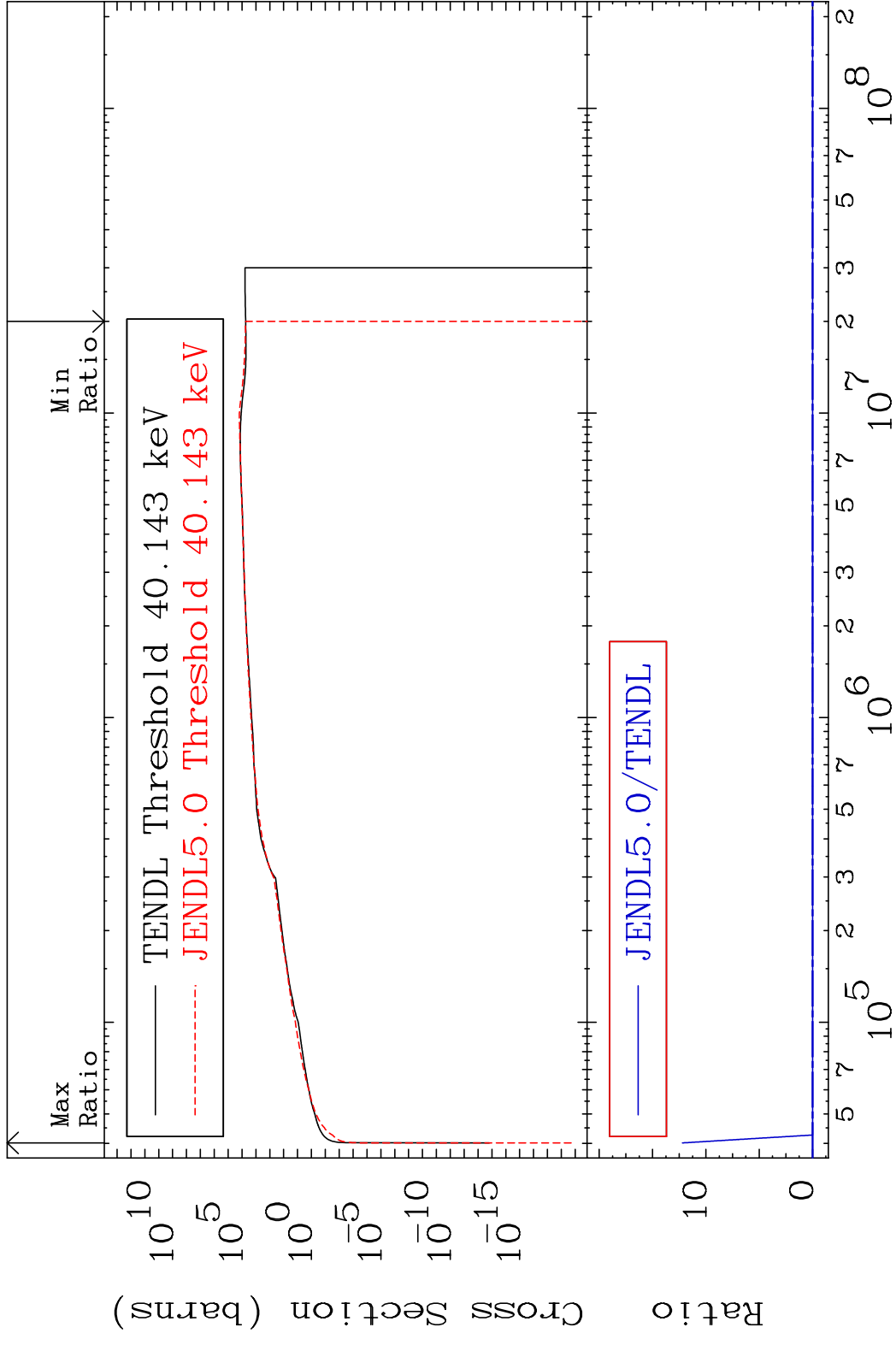


66

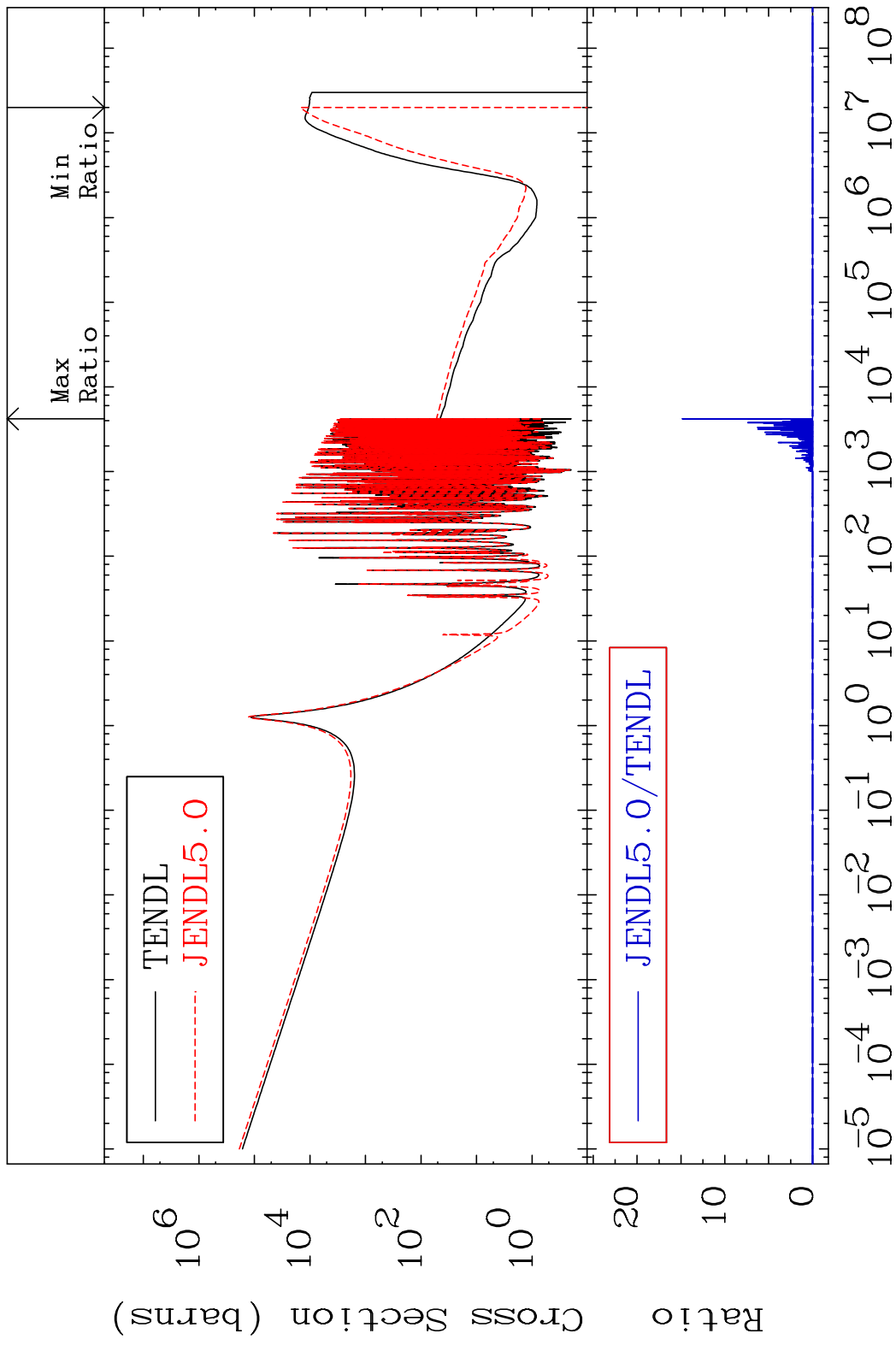
Incident Energy (eV)

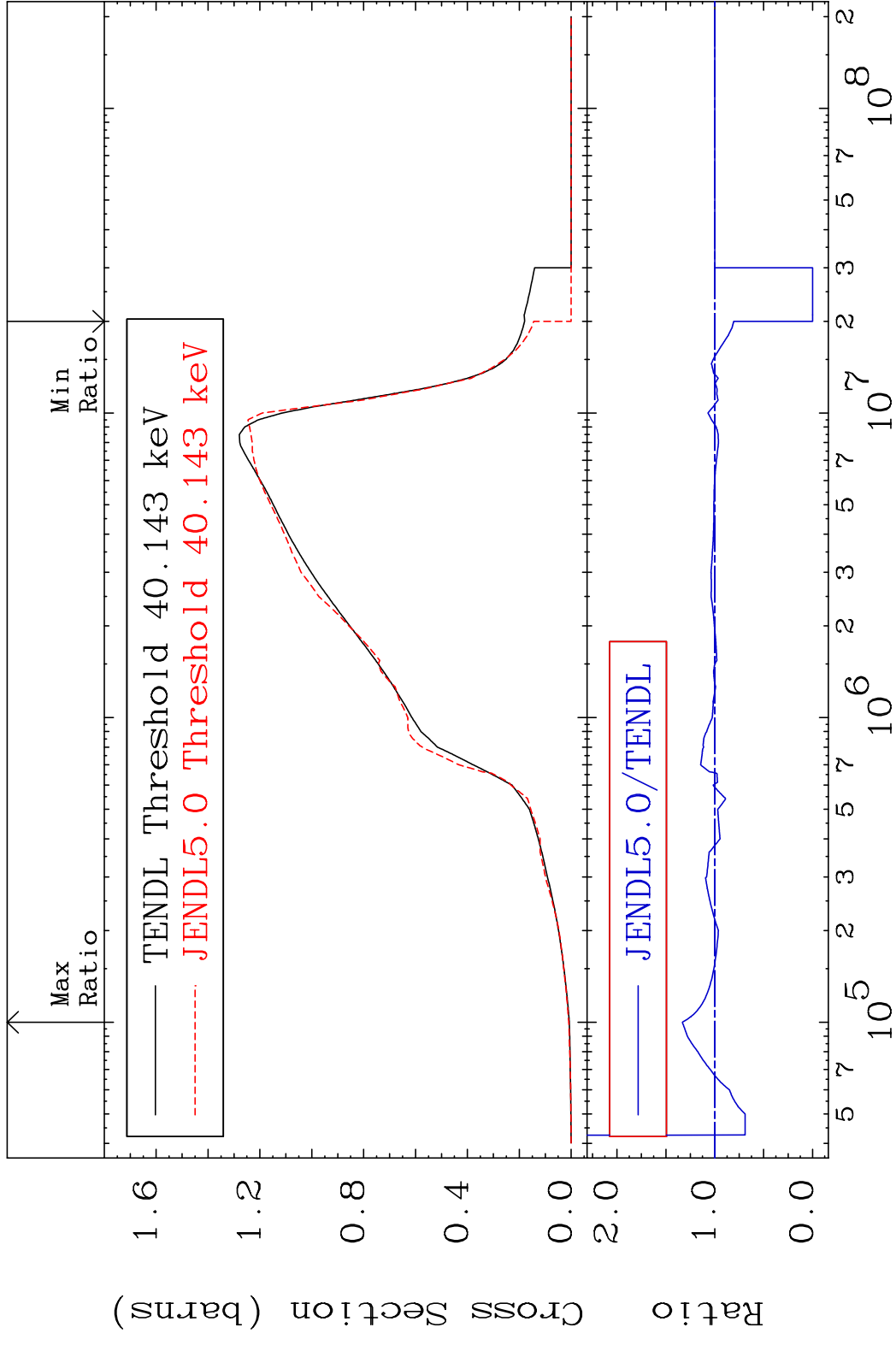
45-Rh-103

MAT 4525 Dpa inelastic (mt51-91) 45-Rh-103
 Cross Section -100.0 To 9999. %

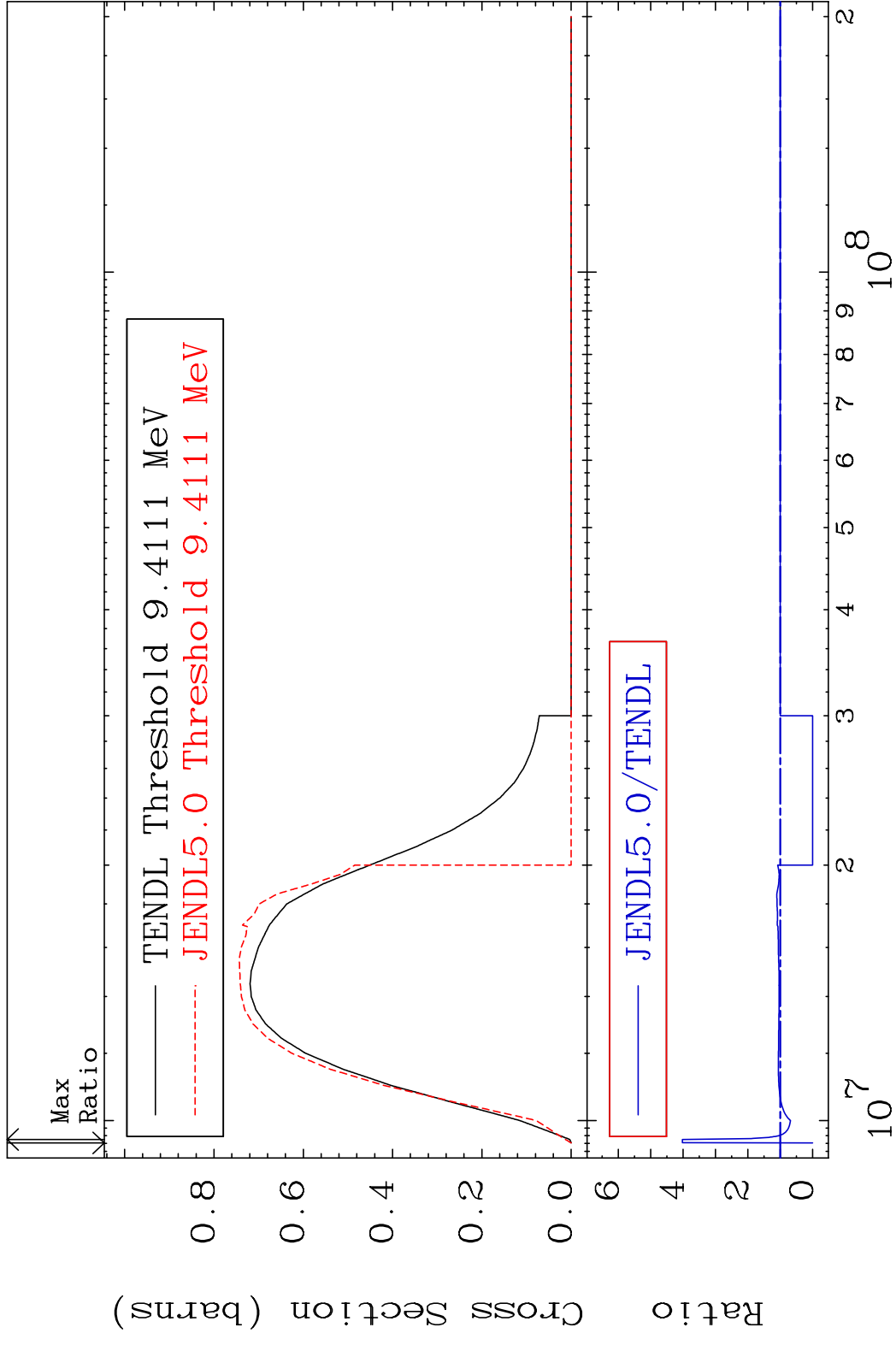


MAT 4525 Dpa disappearance (mt102 -120) 45-Rh-103
 Cross Section -100.0 To 9999. %



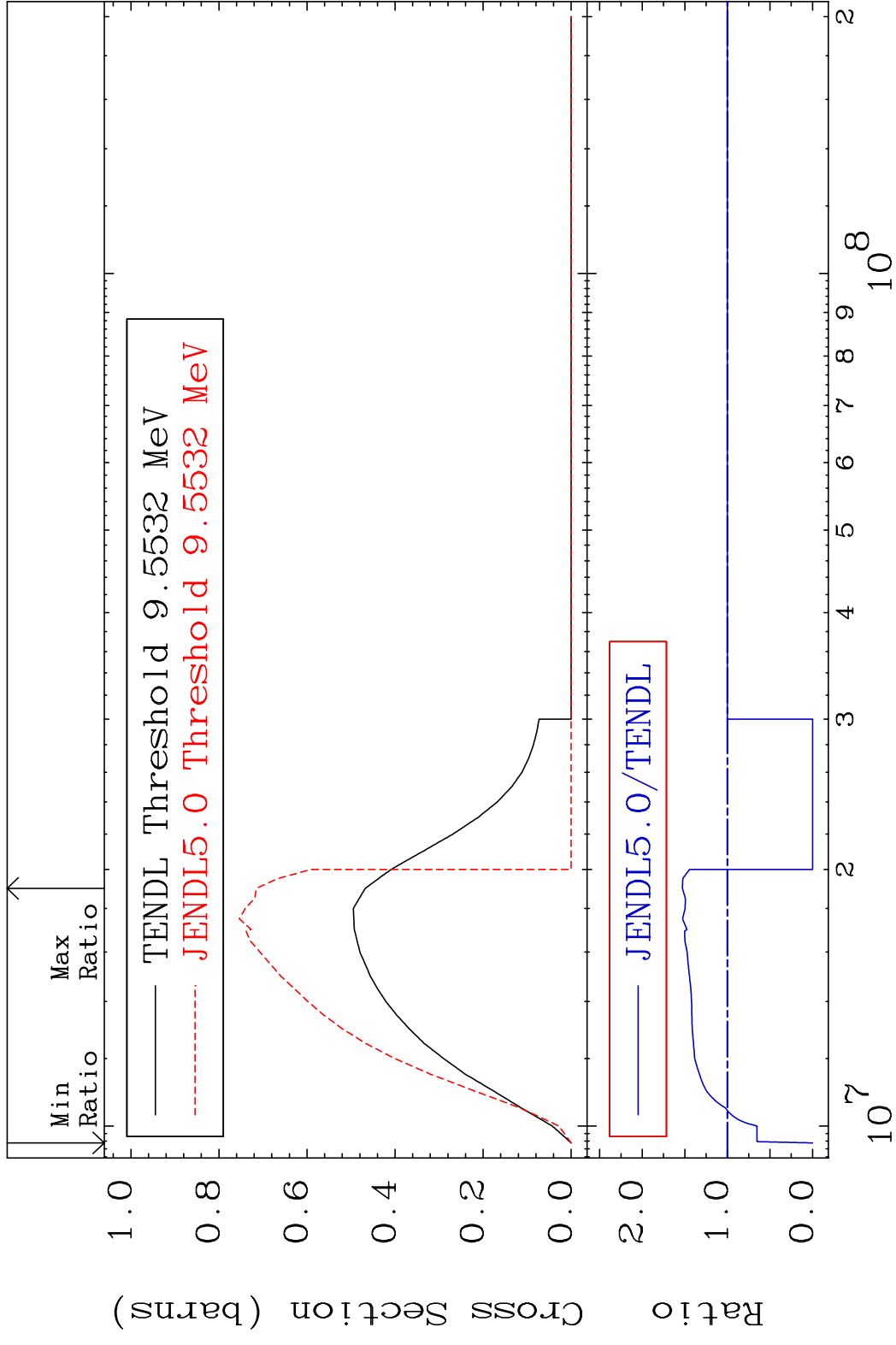


MAT 4525 (n,2n):45-Rh-102g 45-Rh-103
 Radionuclide Production Cross Section 180.0 dth 302.0 %



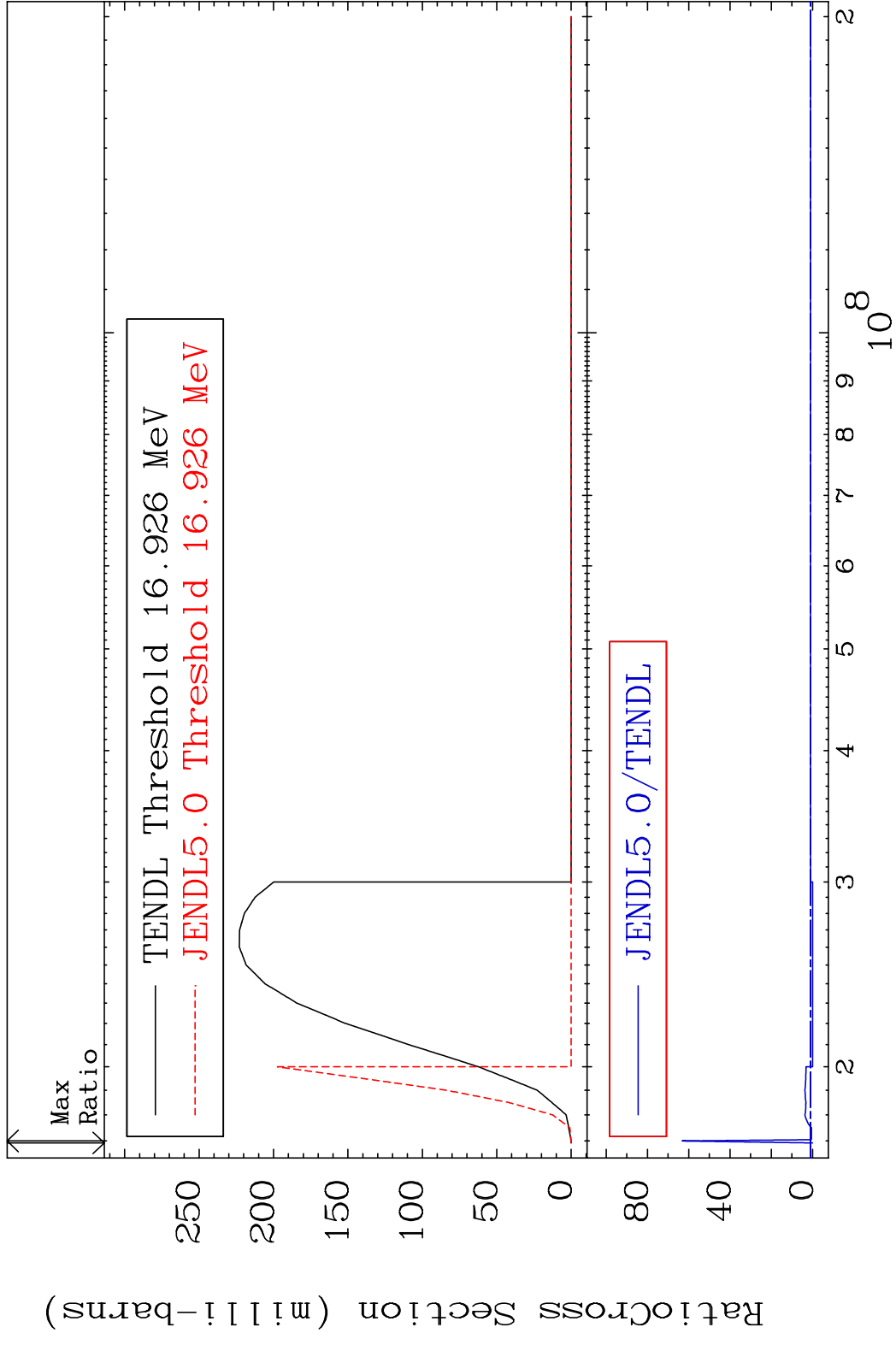
70 Incident Energy (eV) 45-Rh-103

MAT 4525 (n, 2n) : 45-Rh-102m5 45-Rh-103
 Radionuclide Production Cross Section 52.89 %

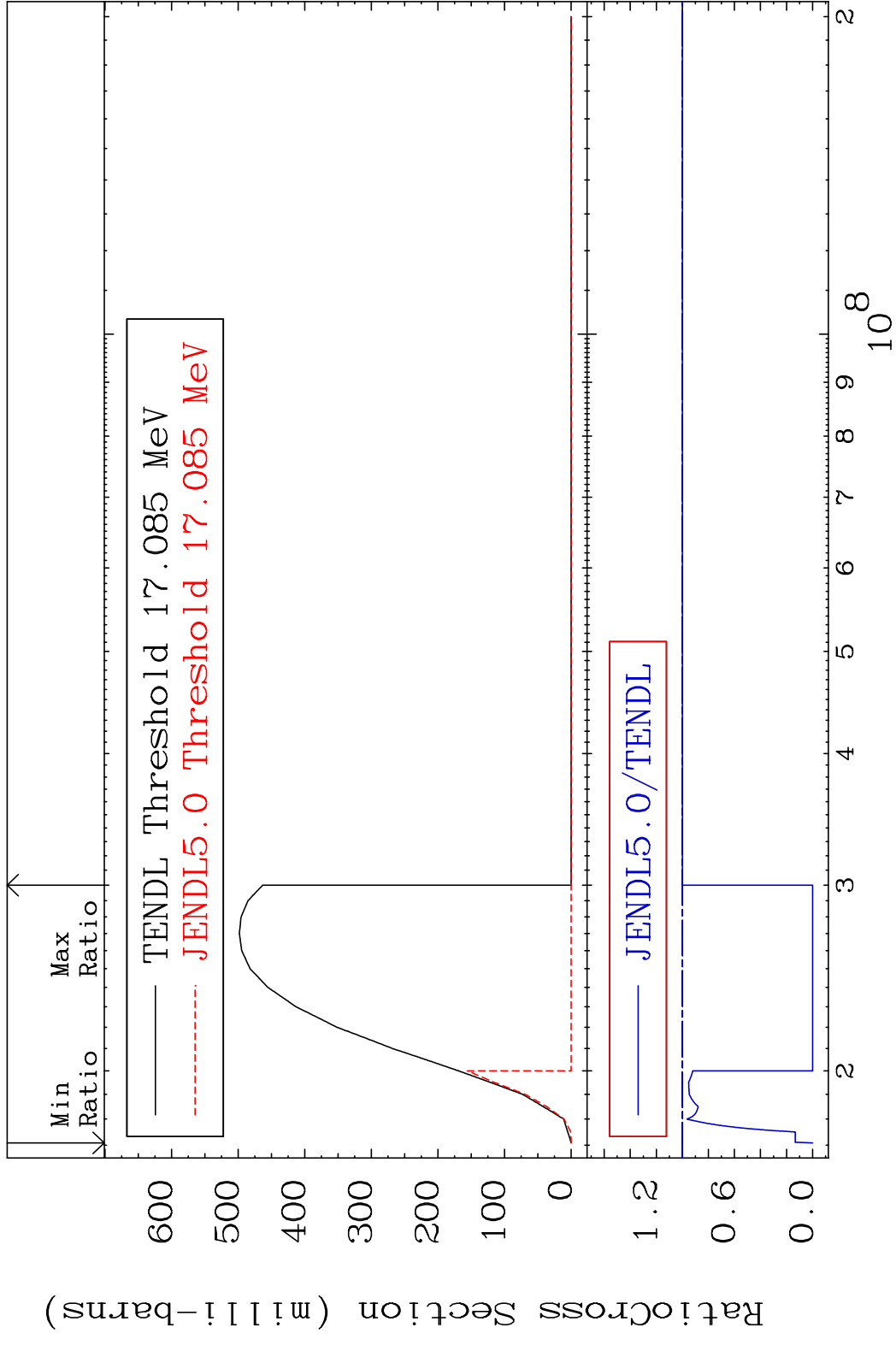


71 Incident Energy (eV) 45-Rh-103

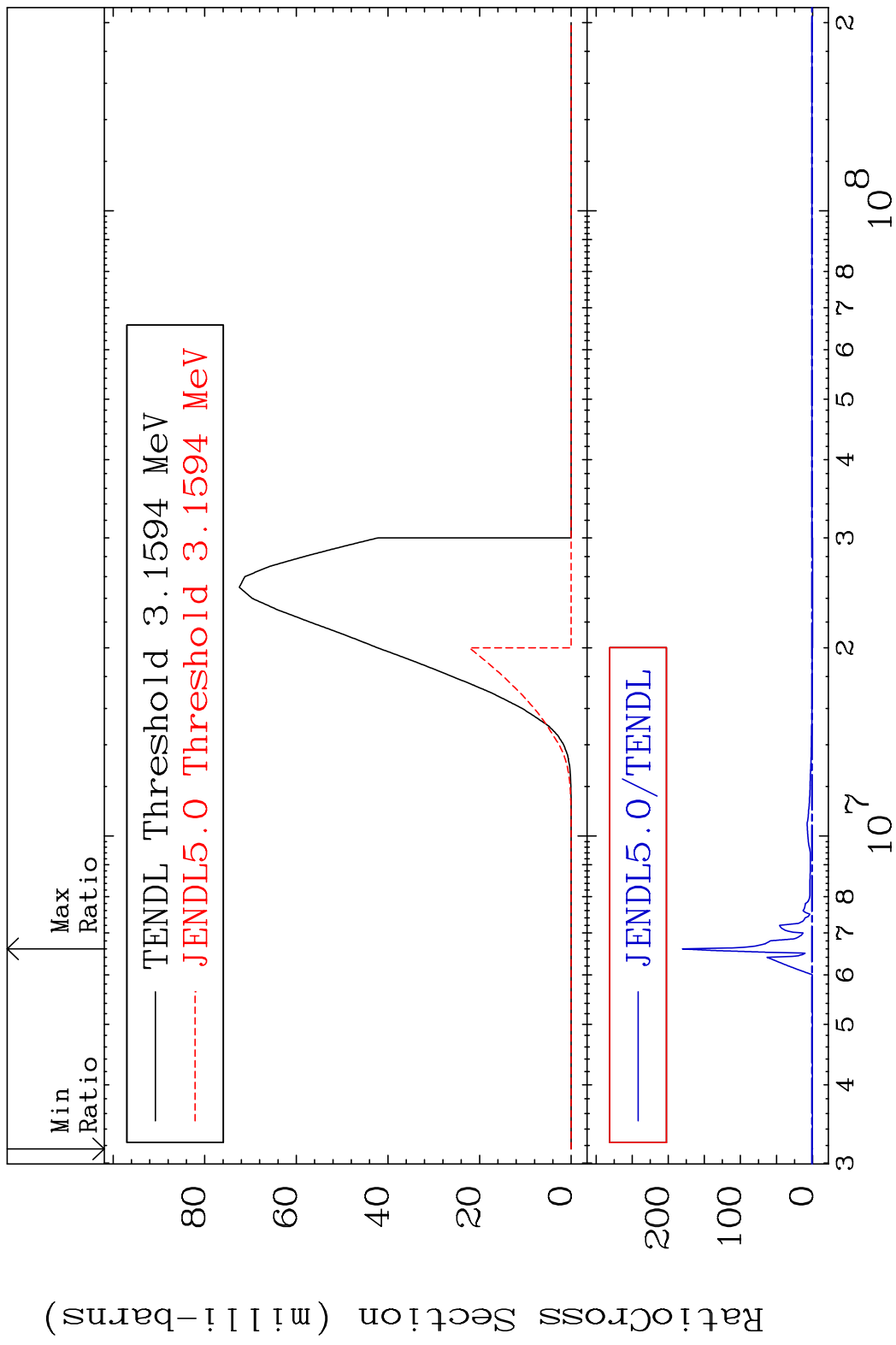
MAT 4525 (n,3n):45-Rh-101g 45-Rh-103
 Radionuclide Production Cross Section Ratio 6210. %



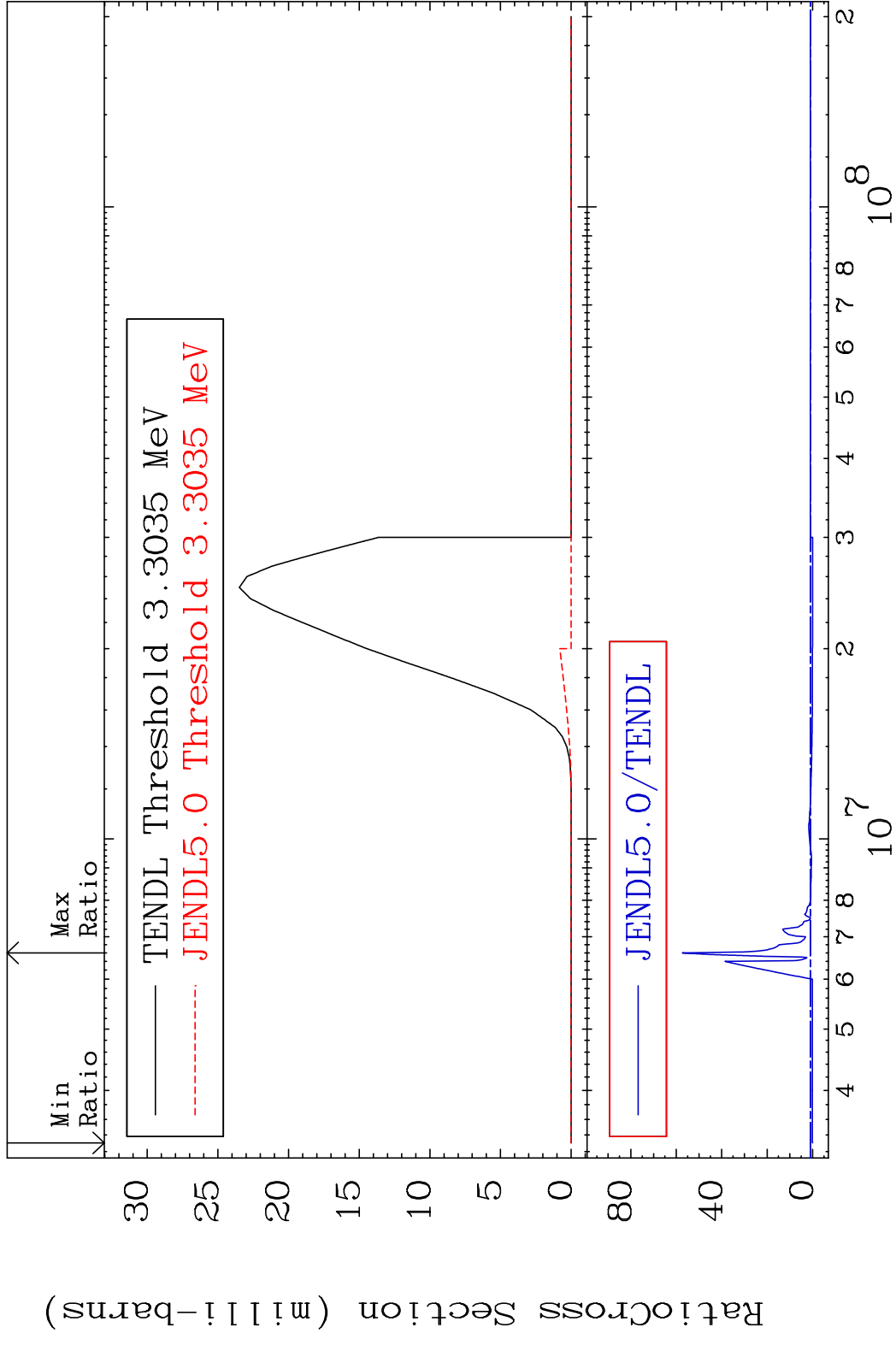
MAT 4525 (n, 3n) : 45-Rh-101m1 45-Rh-103
 Radionuclide Production Cross Section 0.000 %



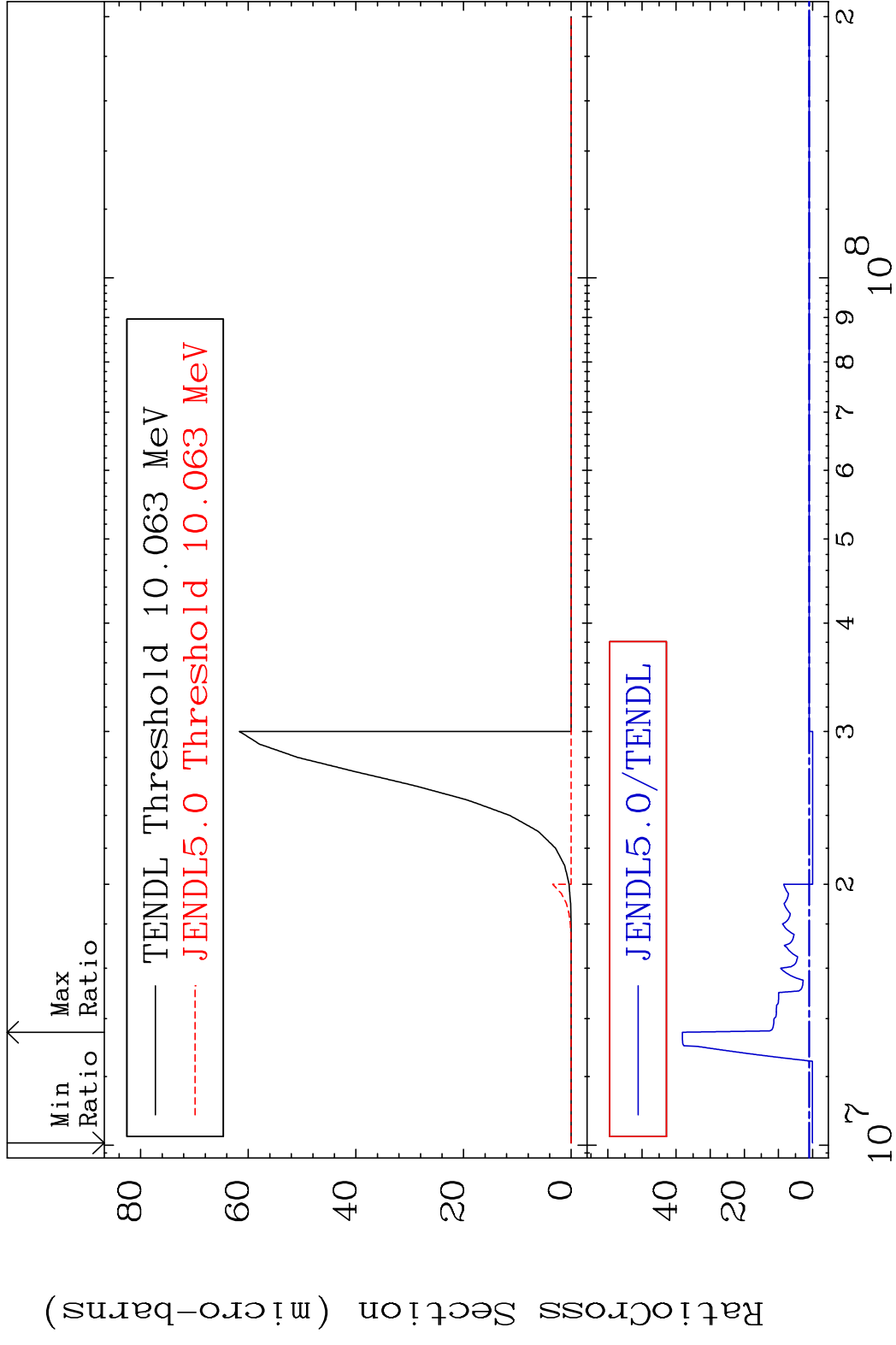
MAT 4525 (n, n') α :43-Tc-99g 45-Rh-103
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4525 (n, n') α :43-Tc-99m2 45-Rh-103
 Radionuclide Production Cross Section Ratio 5633. %

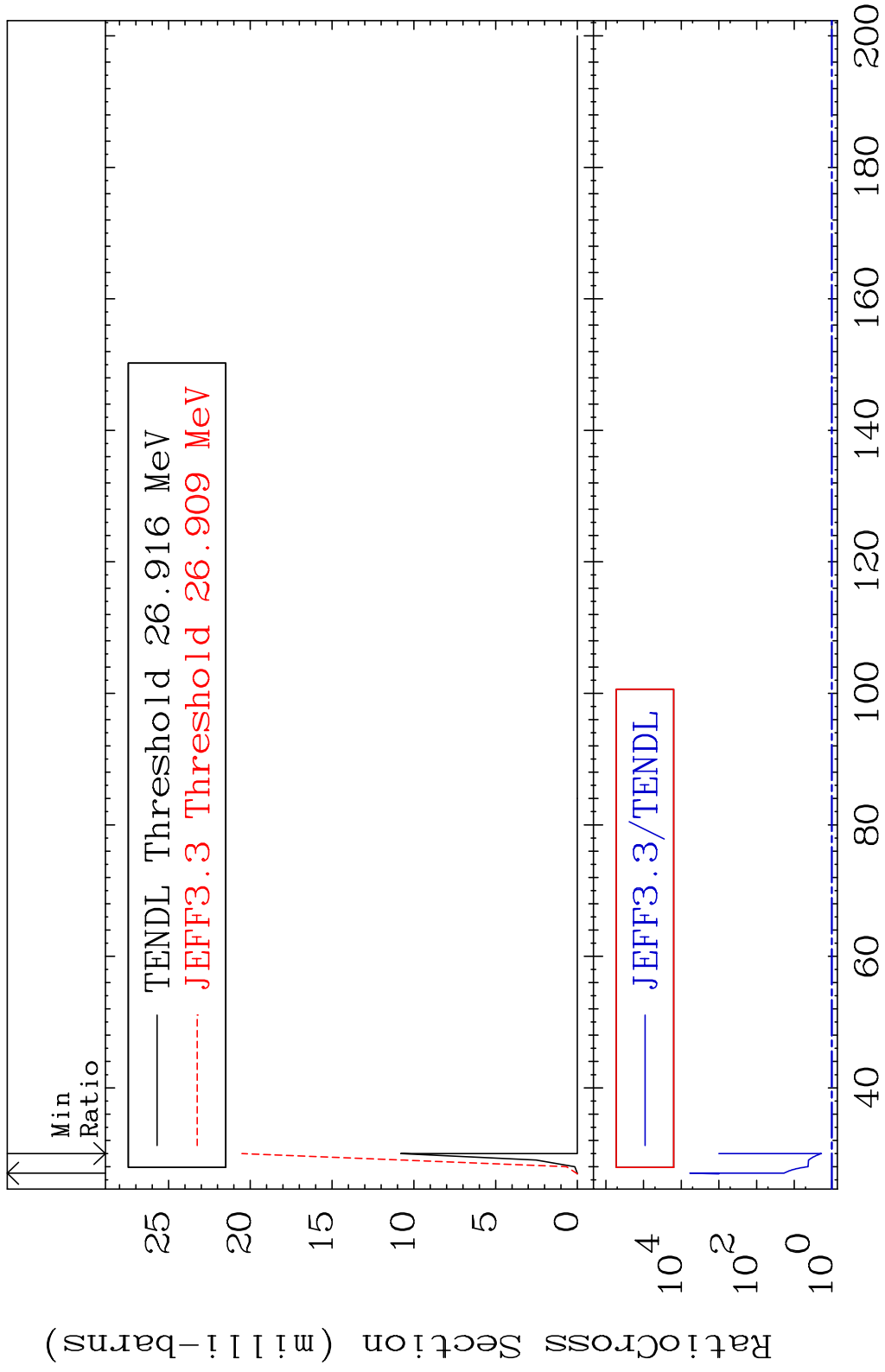


MAT 4525 (n,2p):43-Tc-102g 45-Rh-103
 Radionuclide Production Cross Section 180.01 dth 3717. %

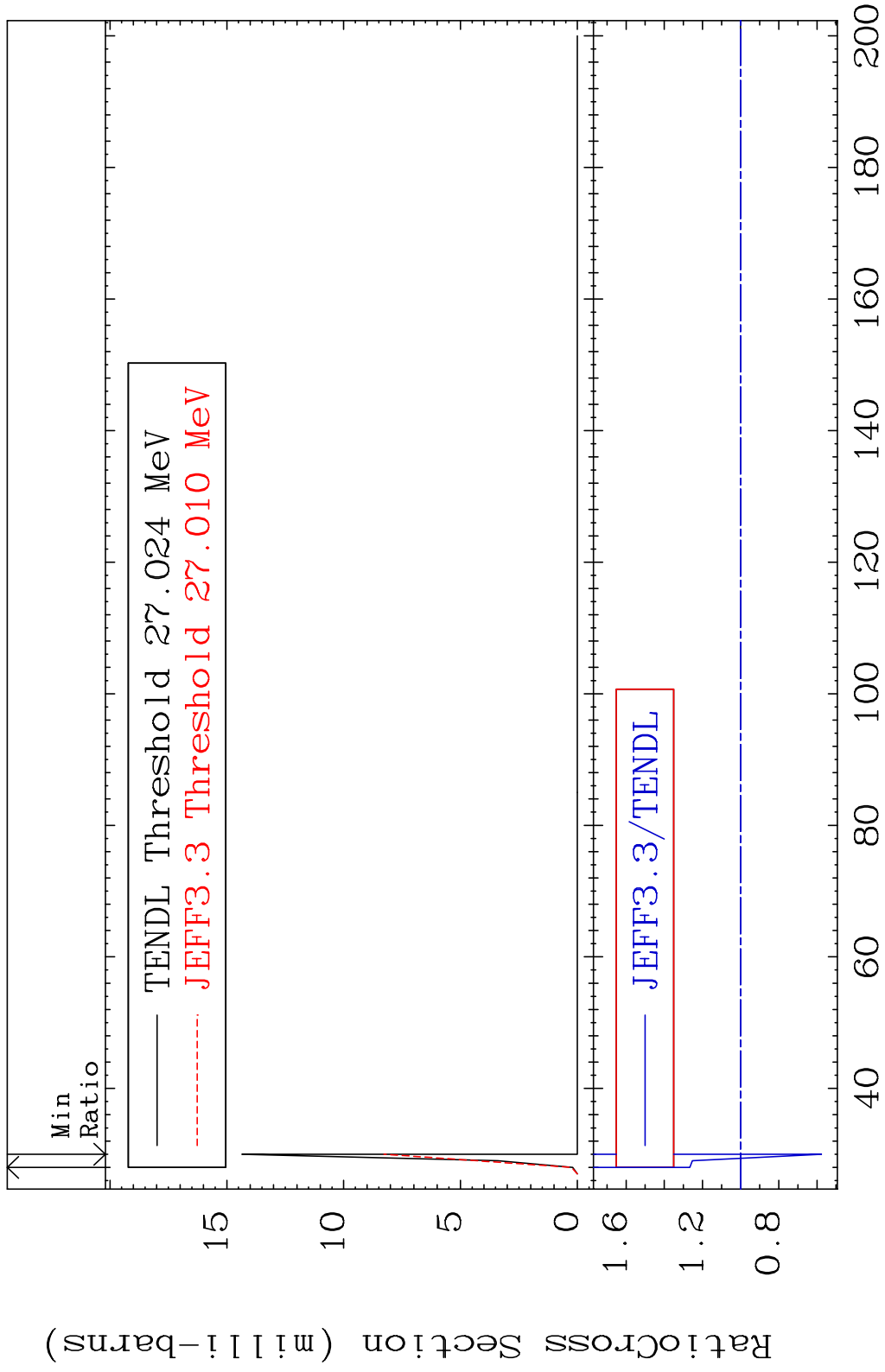


76 Incident Energy (eV) 45-Rh-103

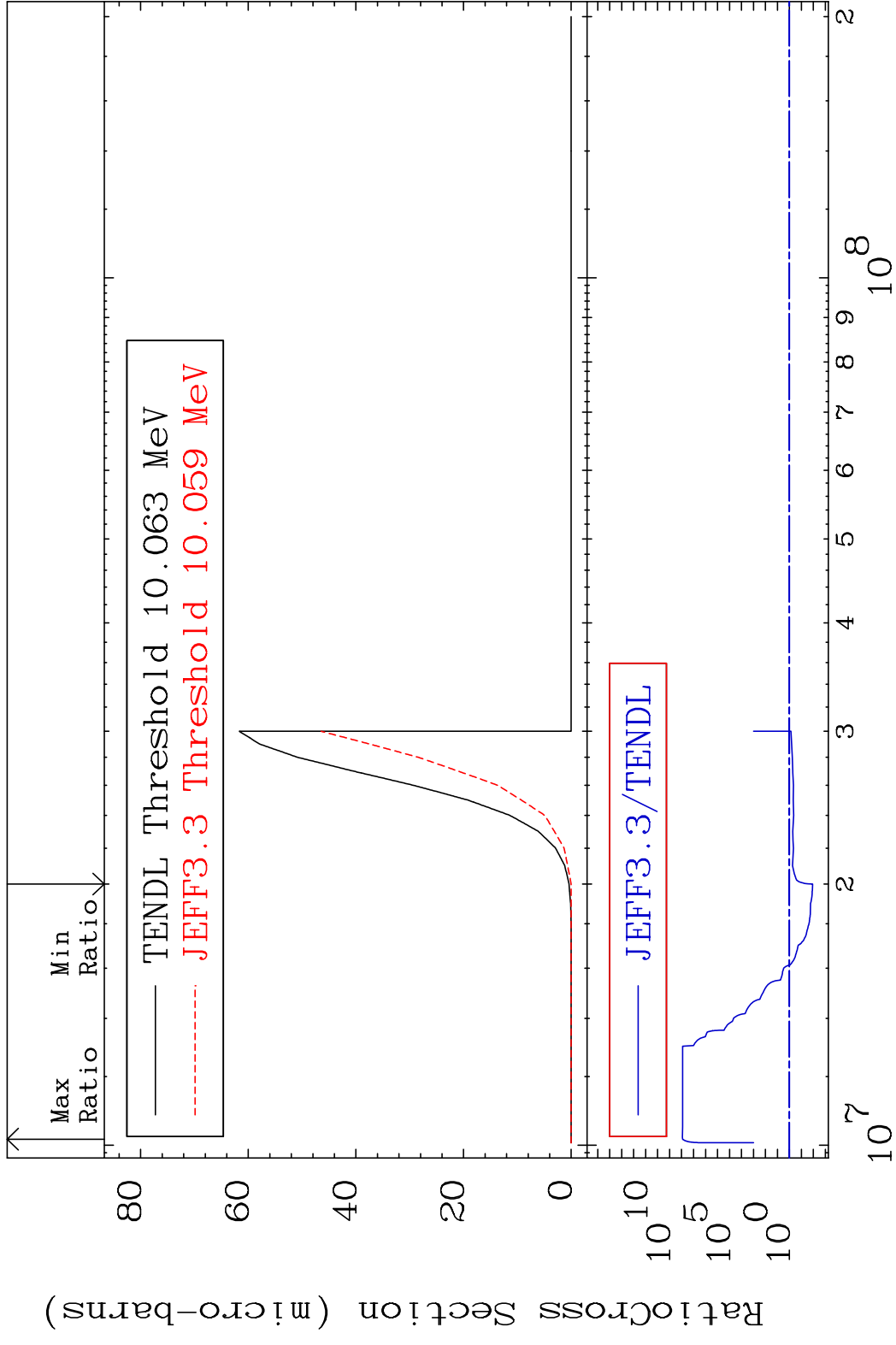
MAT 4525 (n,4n):45-Rh-100g 45-Rh-103
 Radionuclide Production Cross-Section to 9999. %



MAT 4525 (n, 4n) : 45-Rh-100m4 45-Rh-103
 Radionuclide Production Cross Section Ratio 26.64 %



MAT 4525 (n,2p):43-Tc-102g 45-Rh-103
 Radionuclide Production Cross Section 98641 d10 9999. %



79 Incident Energy (eV) 45-Rh-103

