

Program Complot
(Version 2021-1)

by

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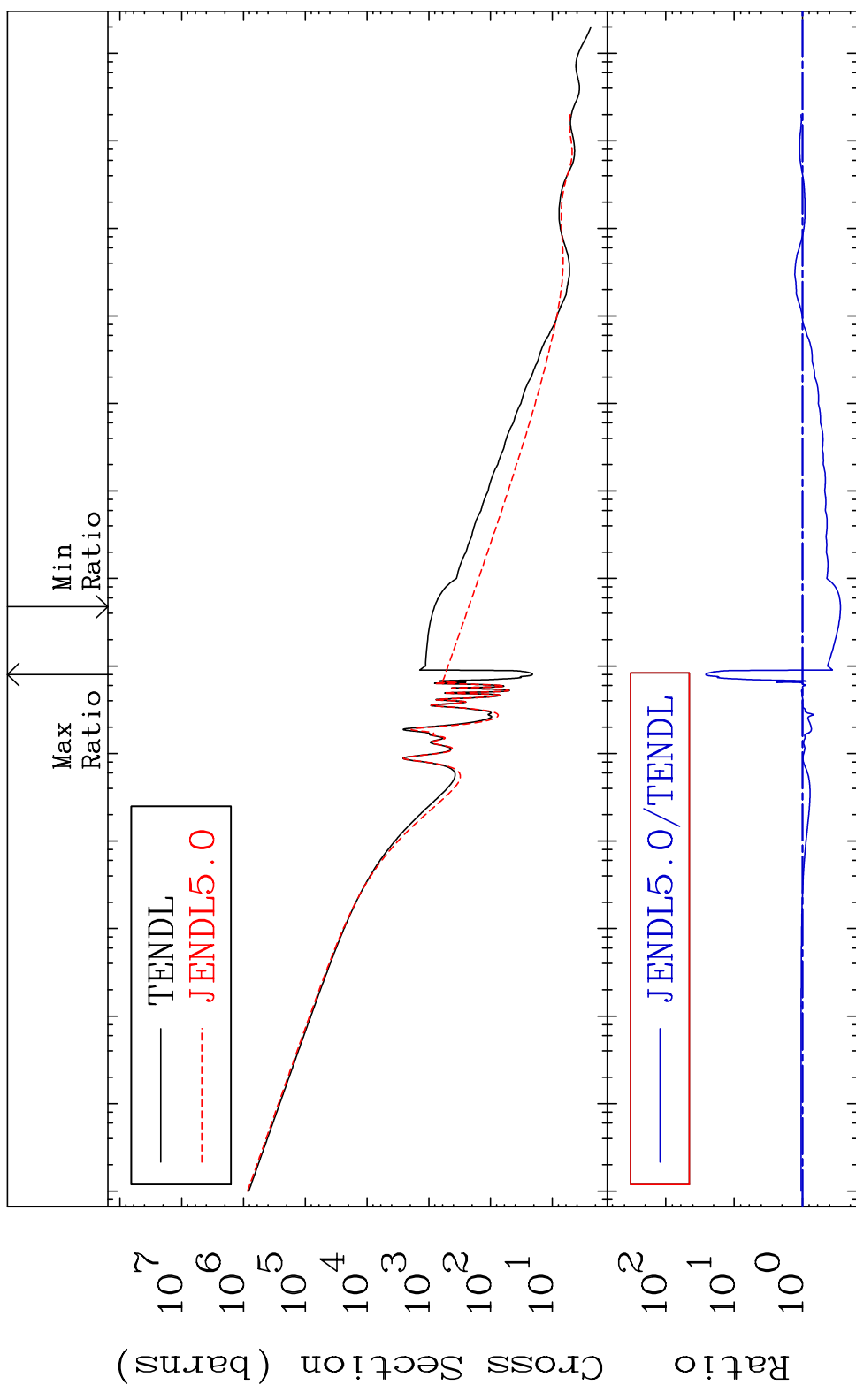
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6328

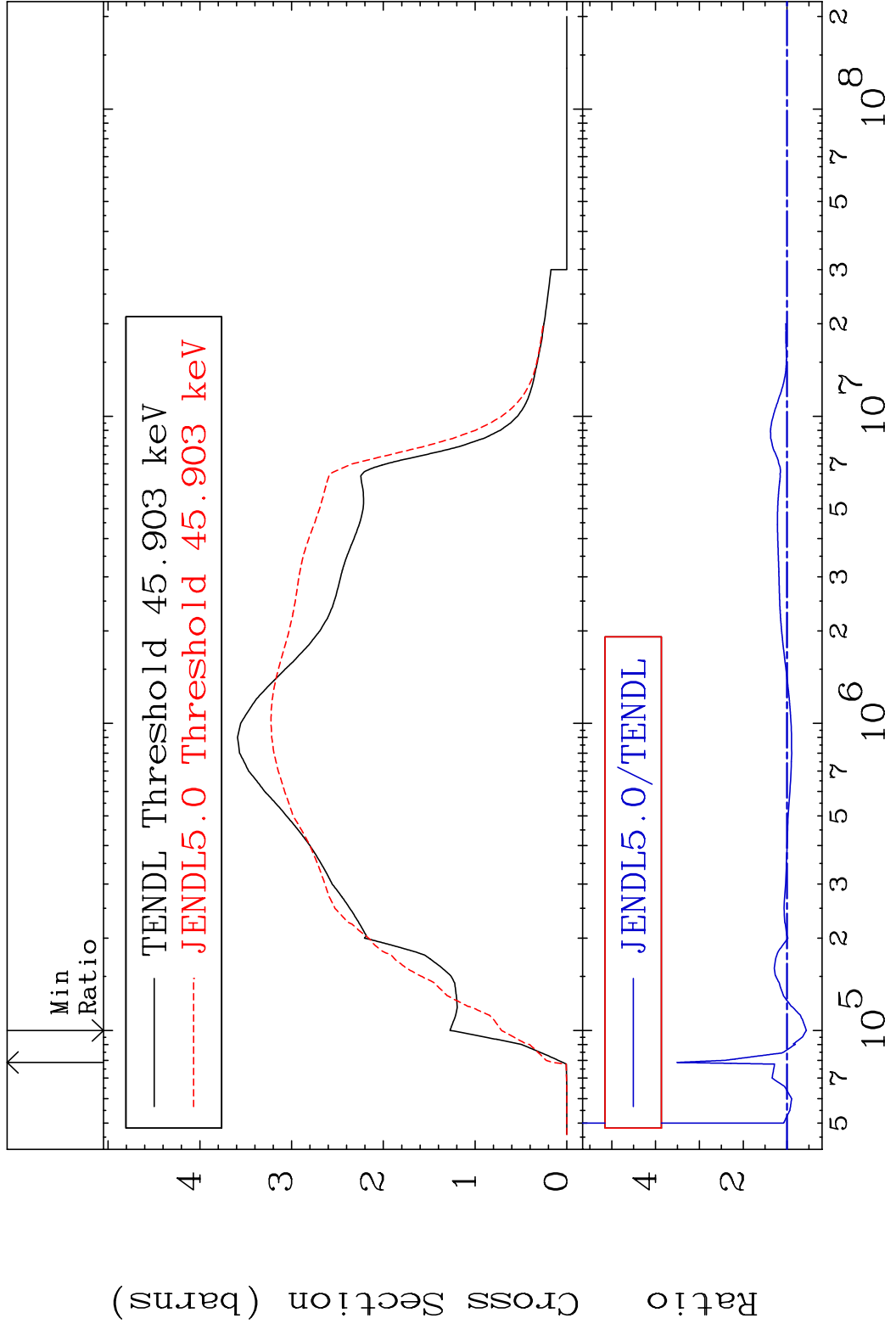
Total Cross Section -72.11 To 2496. %

63-Eu-152

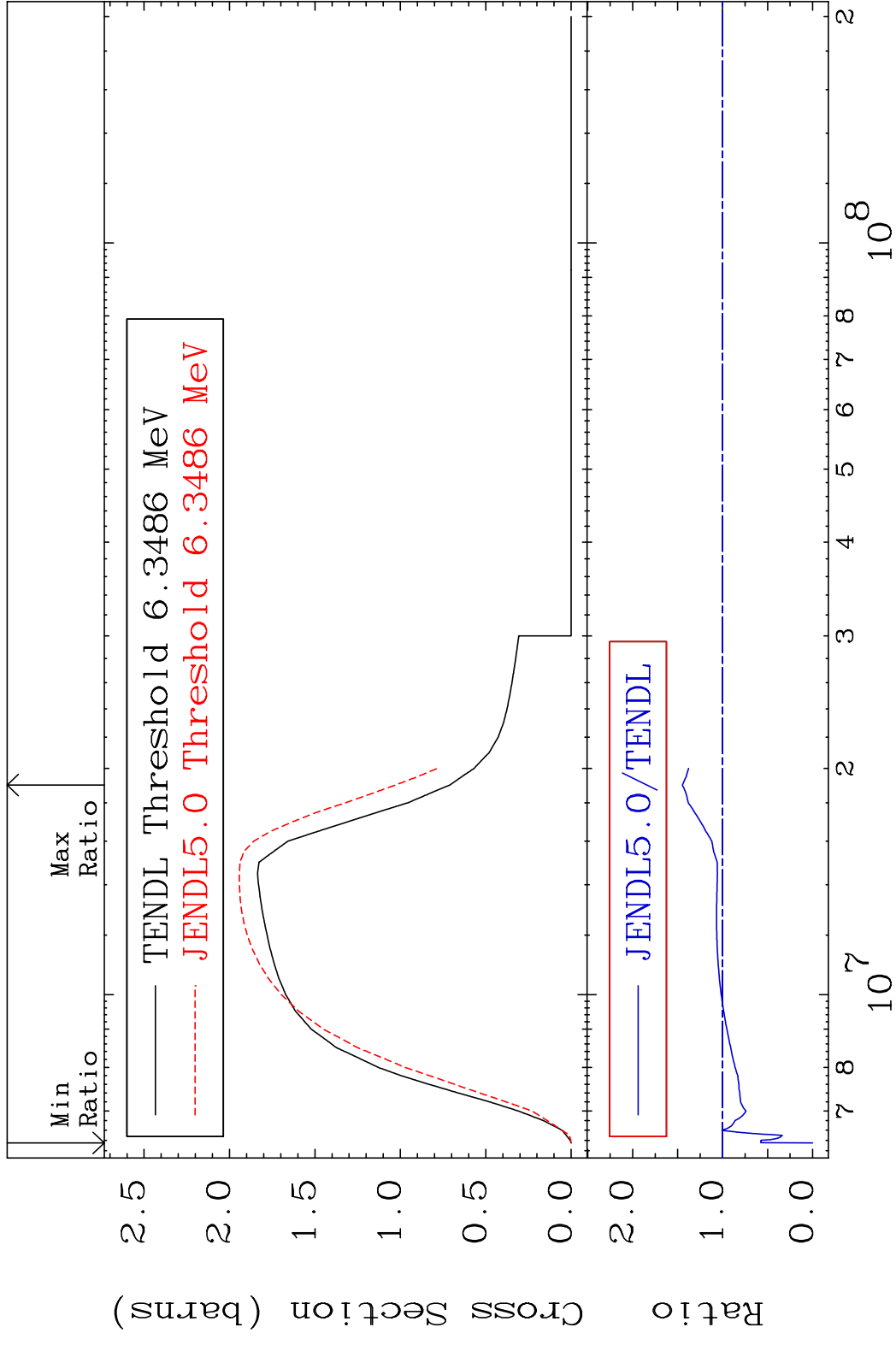


1 Incident Energy (eV) 63-Eu-152

MAT 6328 Inelastic 63-Eu-152
 Cross Section -44.18 To 250.6 %



MAT 6328 (n,2n) 63-Eu-152
 Cross Section -100.0 To 44.78 %

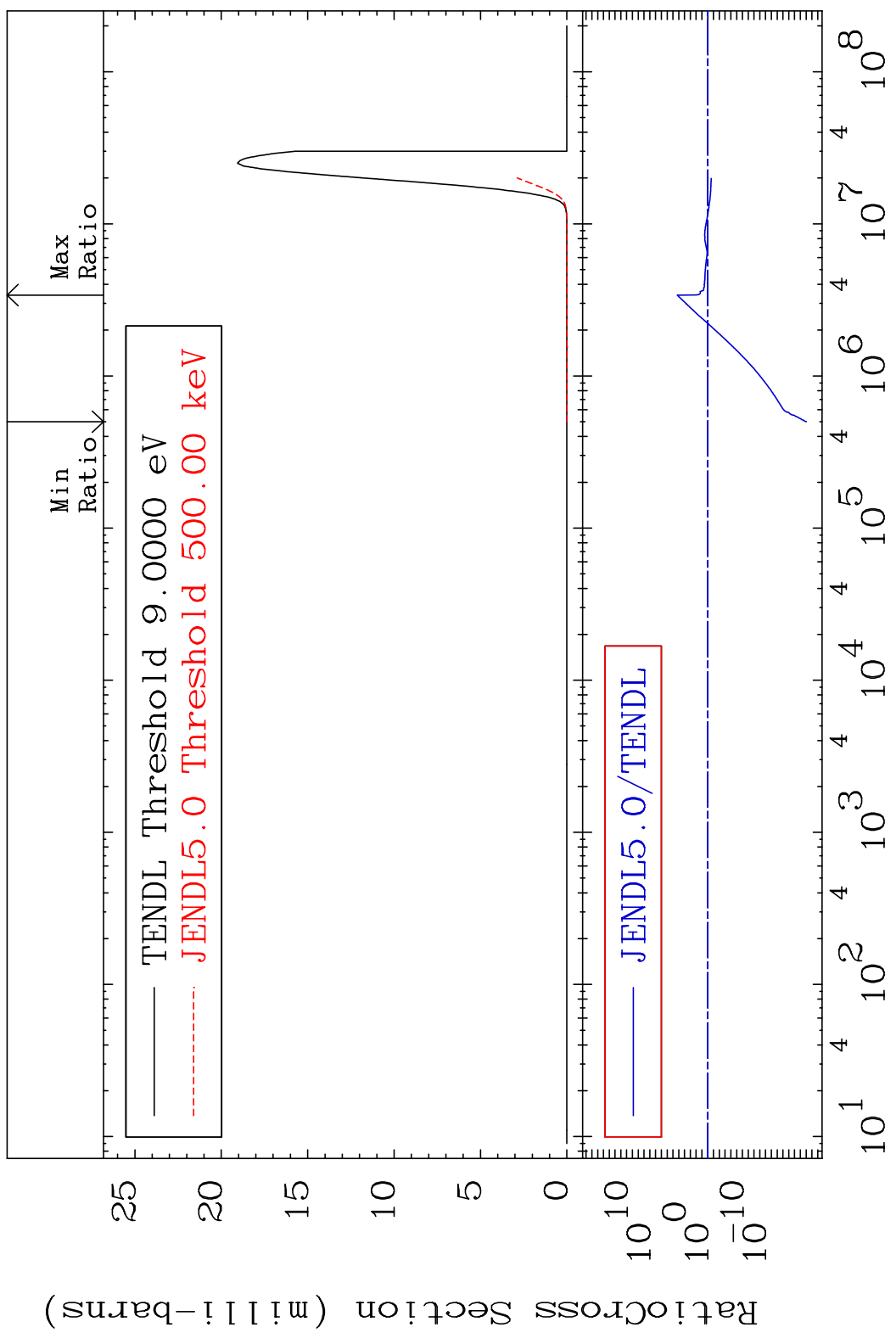


MAT 6328

(n, n') α

63-Eu-152

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

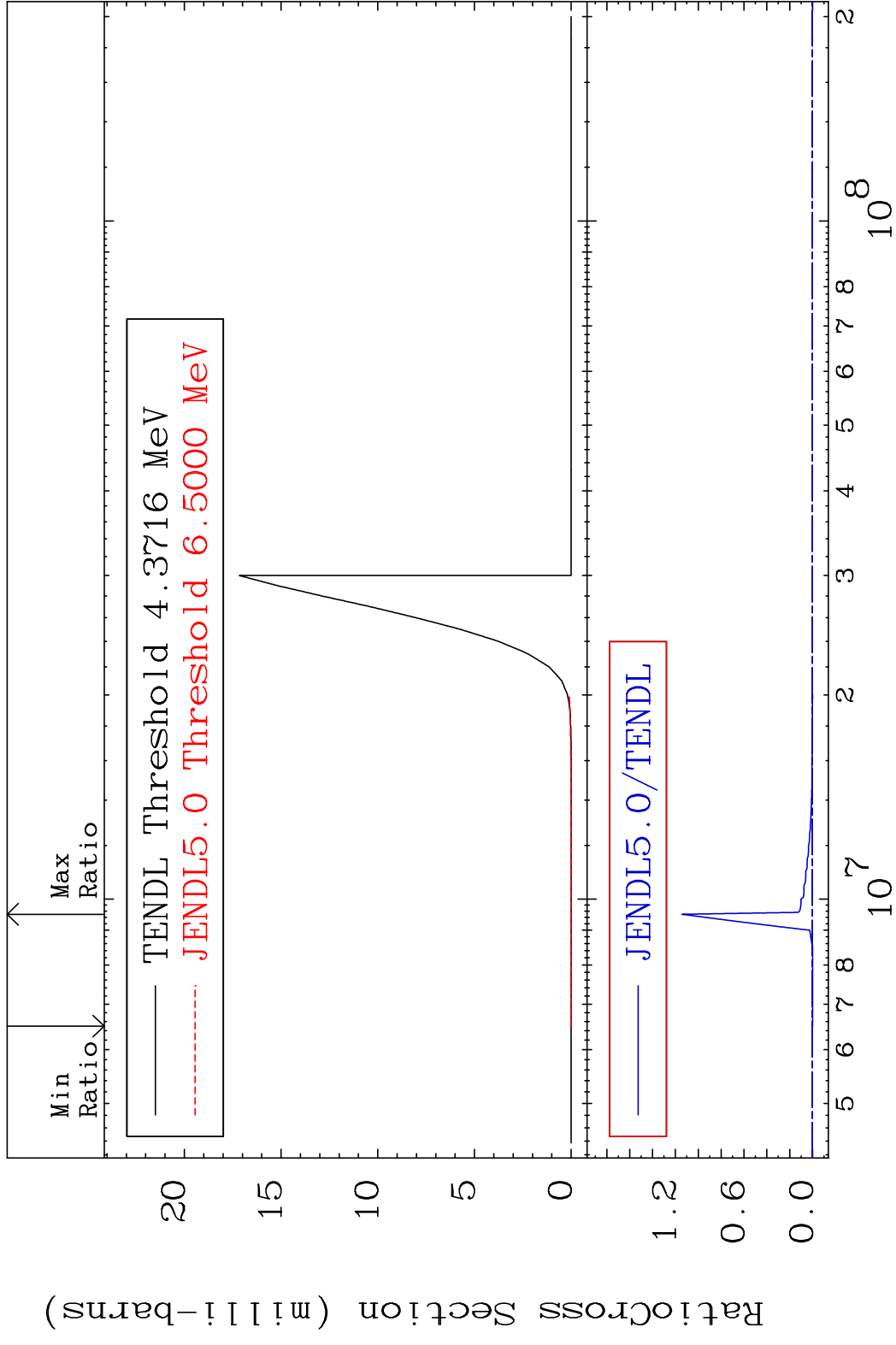
63-Eu-152

MAT 6328

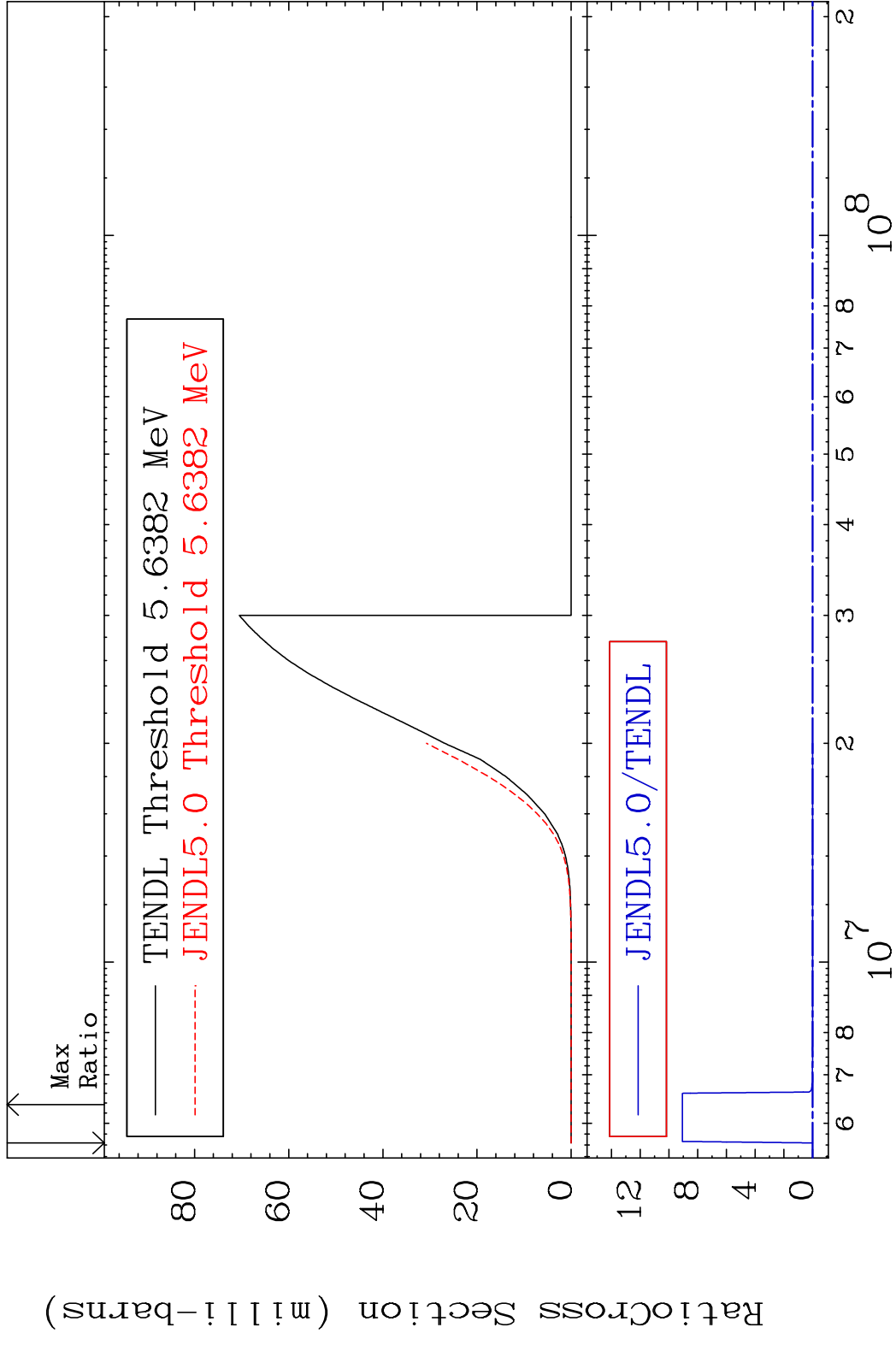
(n,2n) α

63-Eu-152

Cross Section -100.0 To 9999. %



MAT 6328 (n, n') p 63-Eu-152
 Cross Section -100.0 To 9999. %

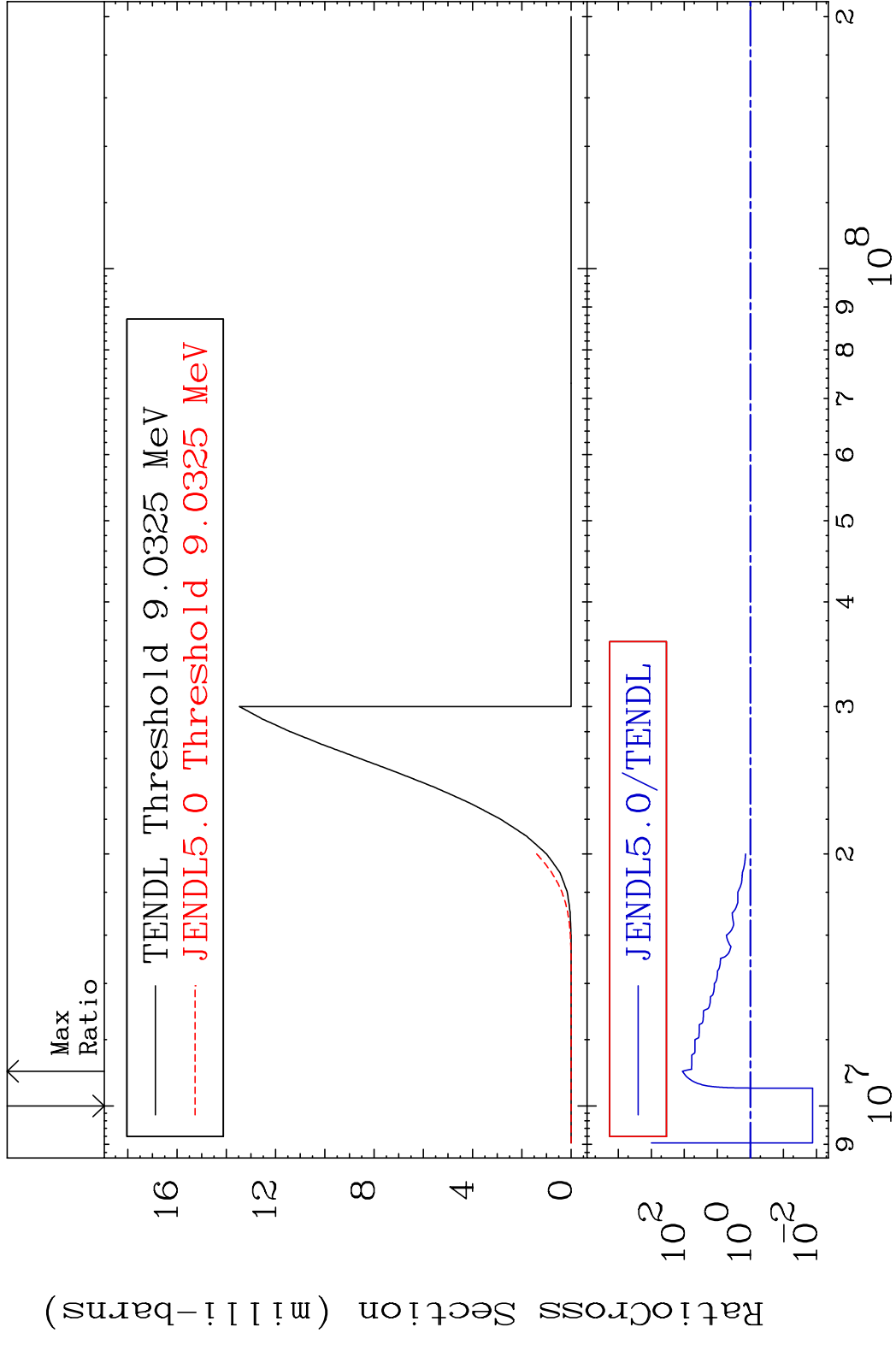


MAT 6328

(n, n') d

63-Eu-152

Cross Section -98.70 To 9999. %



9

Incident Energy (eV)

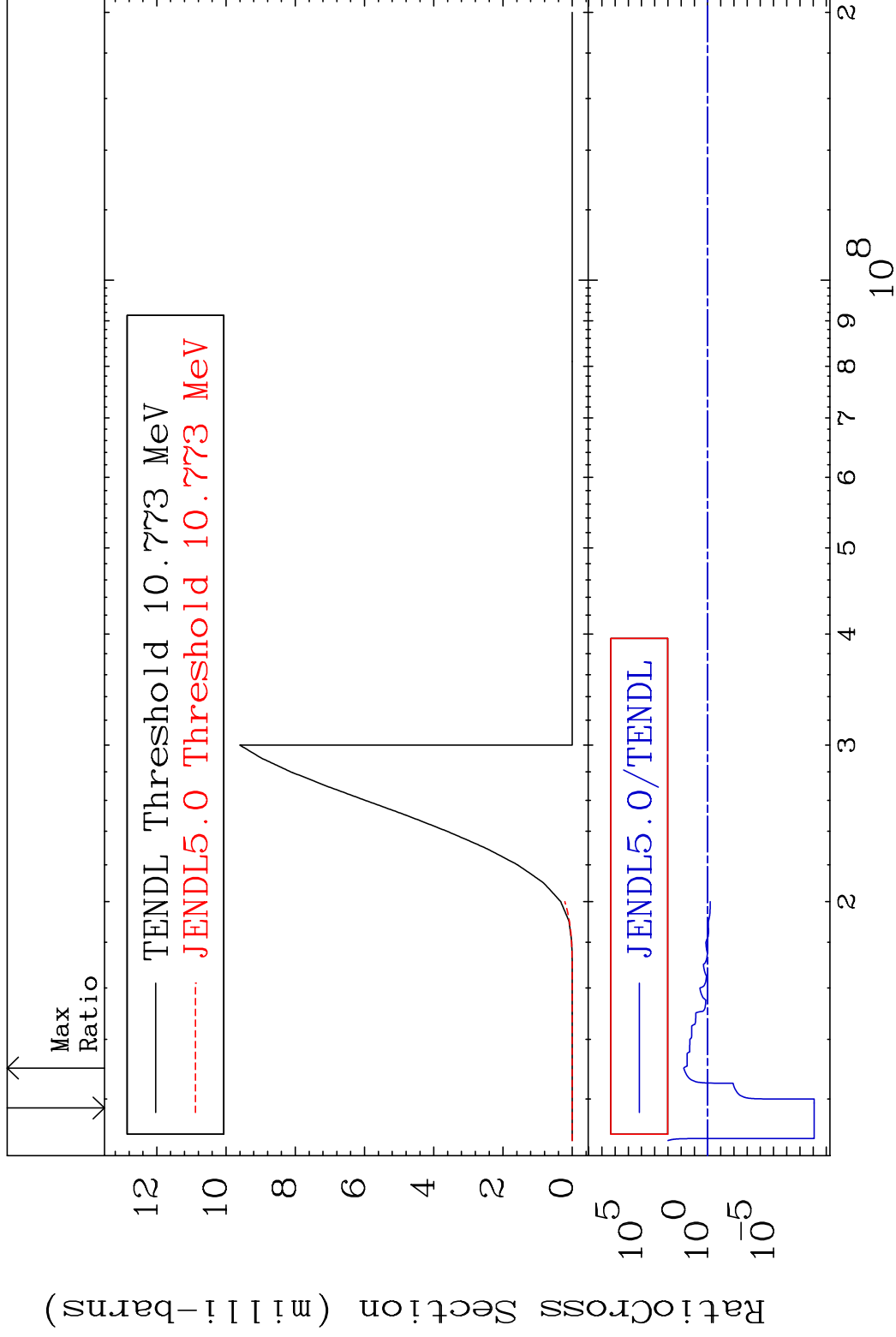
63-Eu-152

MAT 6328

(n, n') t

63-Eu-152

Cross Section -100.0 To 6335. %



10

Incident Energy (eV)

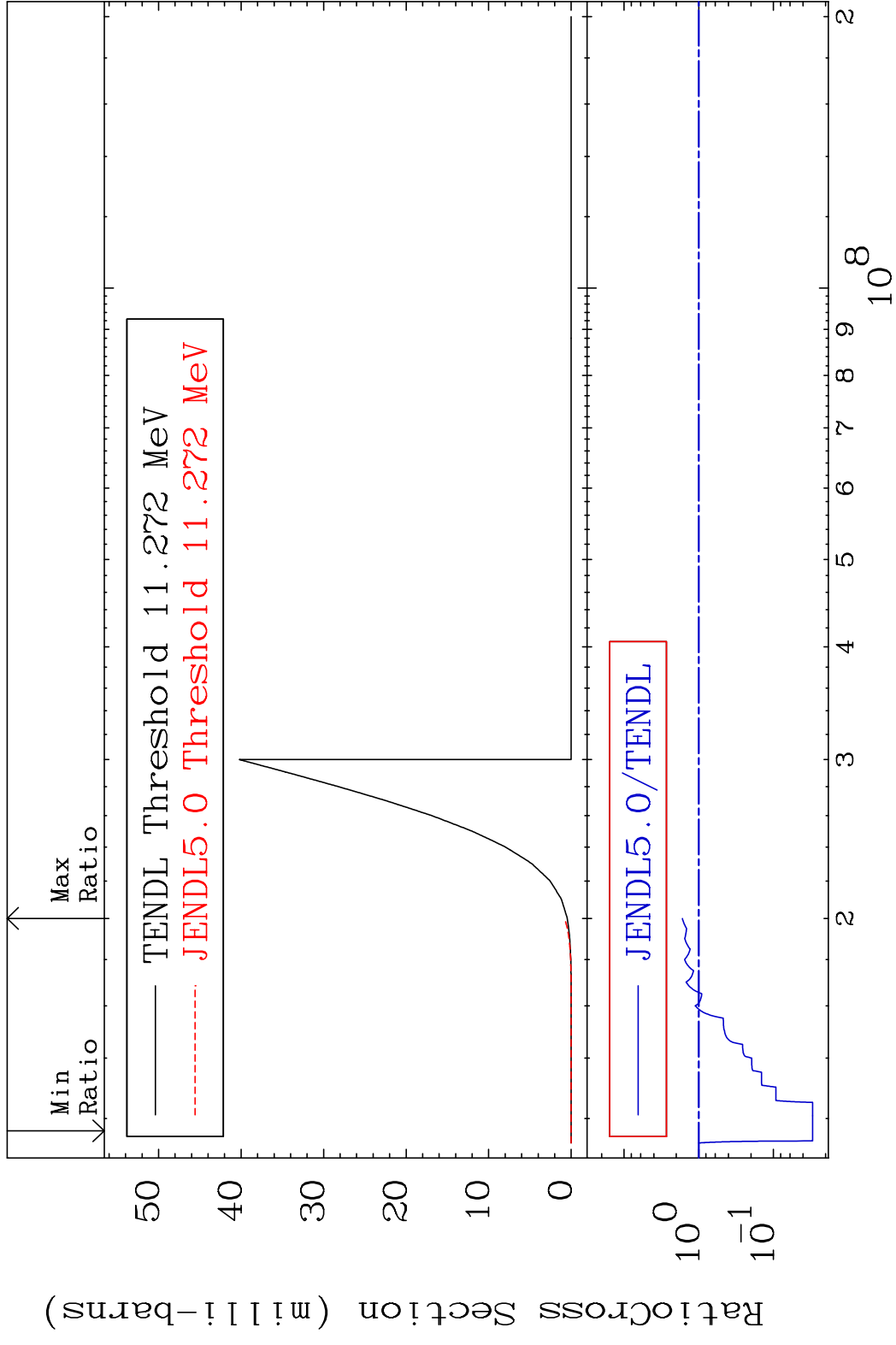
63-Eu-152

MAT 6328

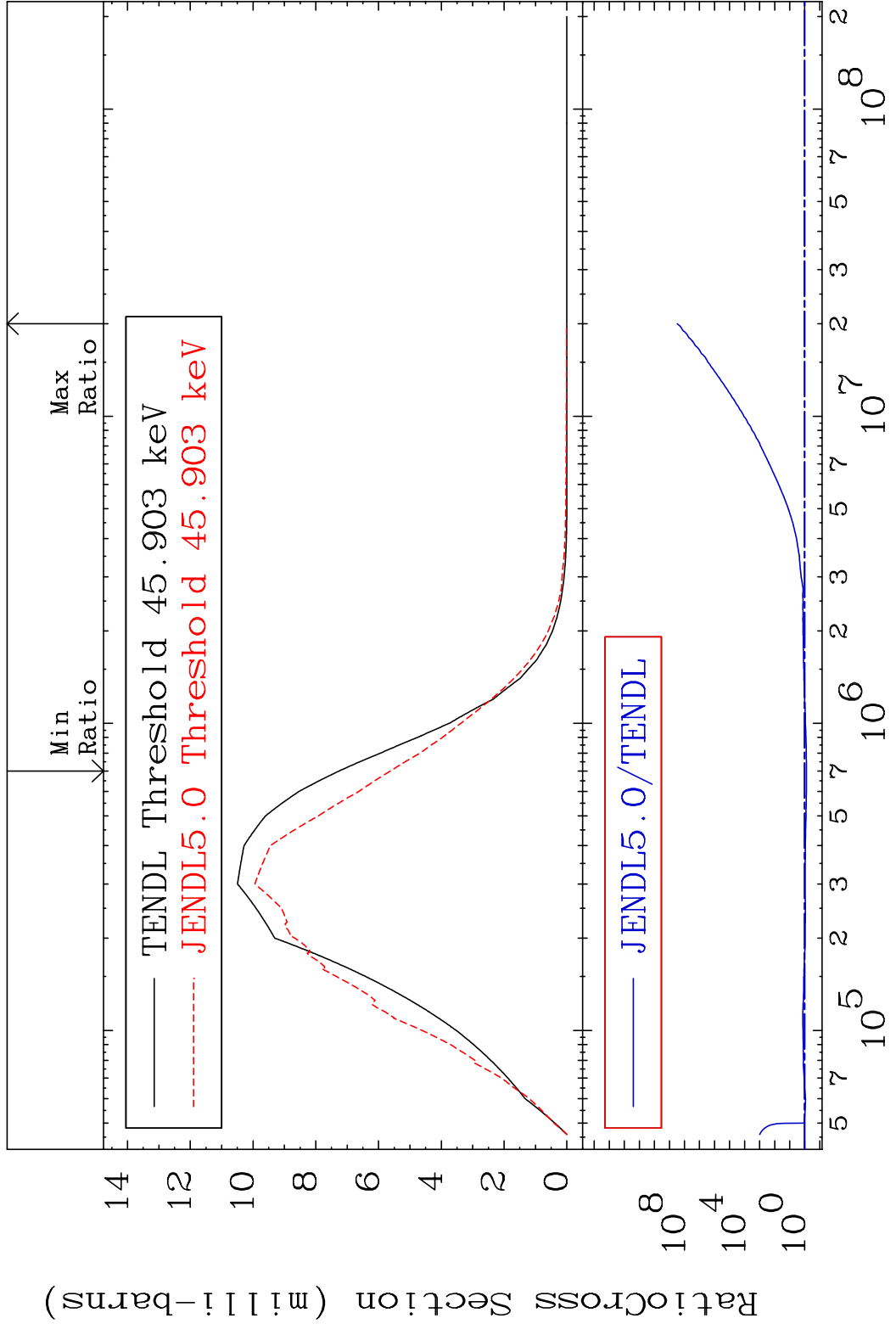
(n,2n) p

63-Eu-152

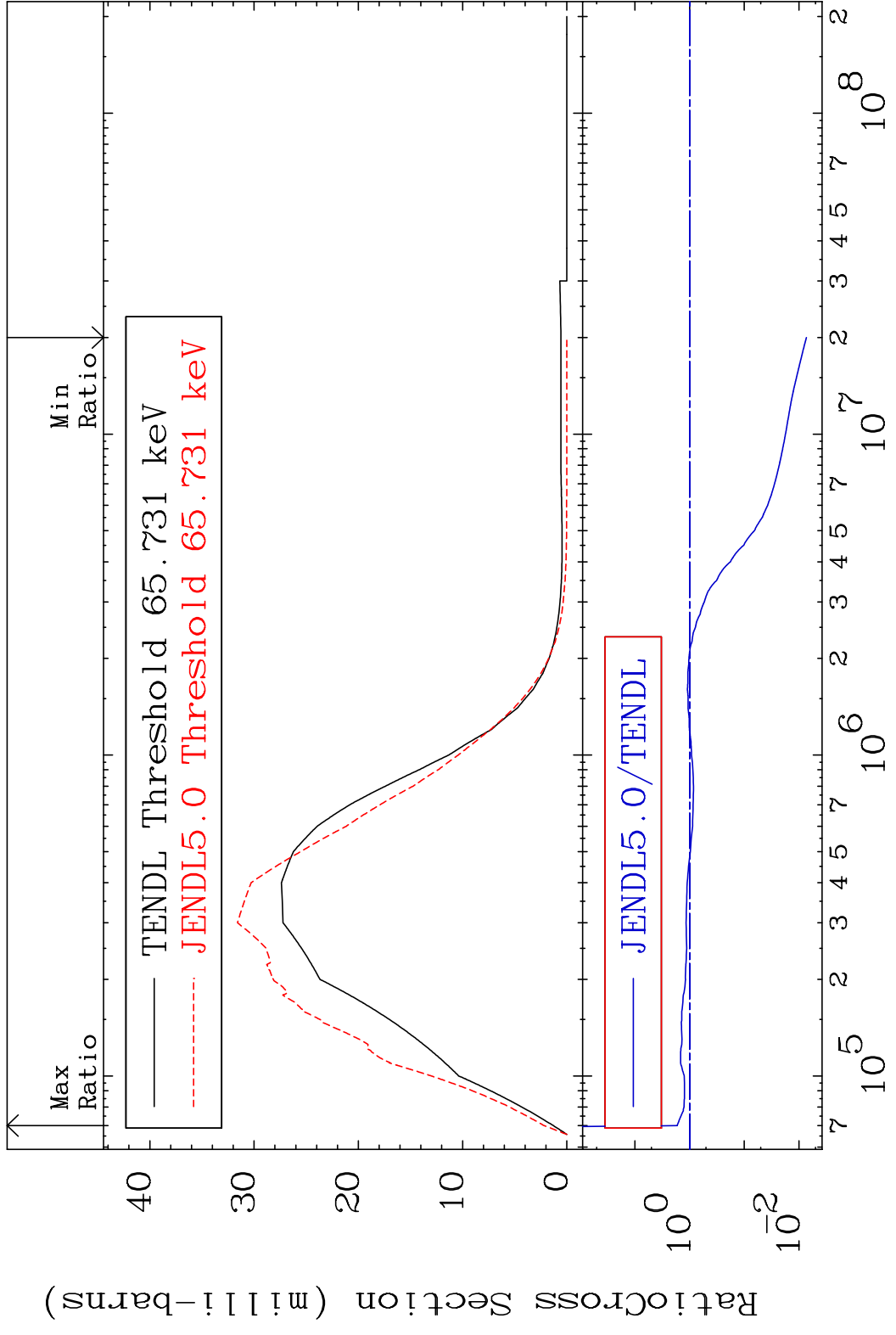
Cross Section -97.01 To 65.74 %



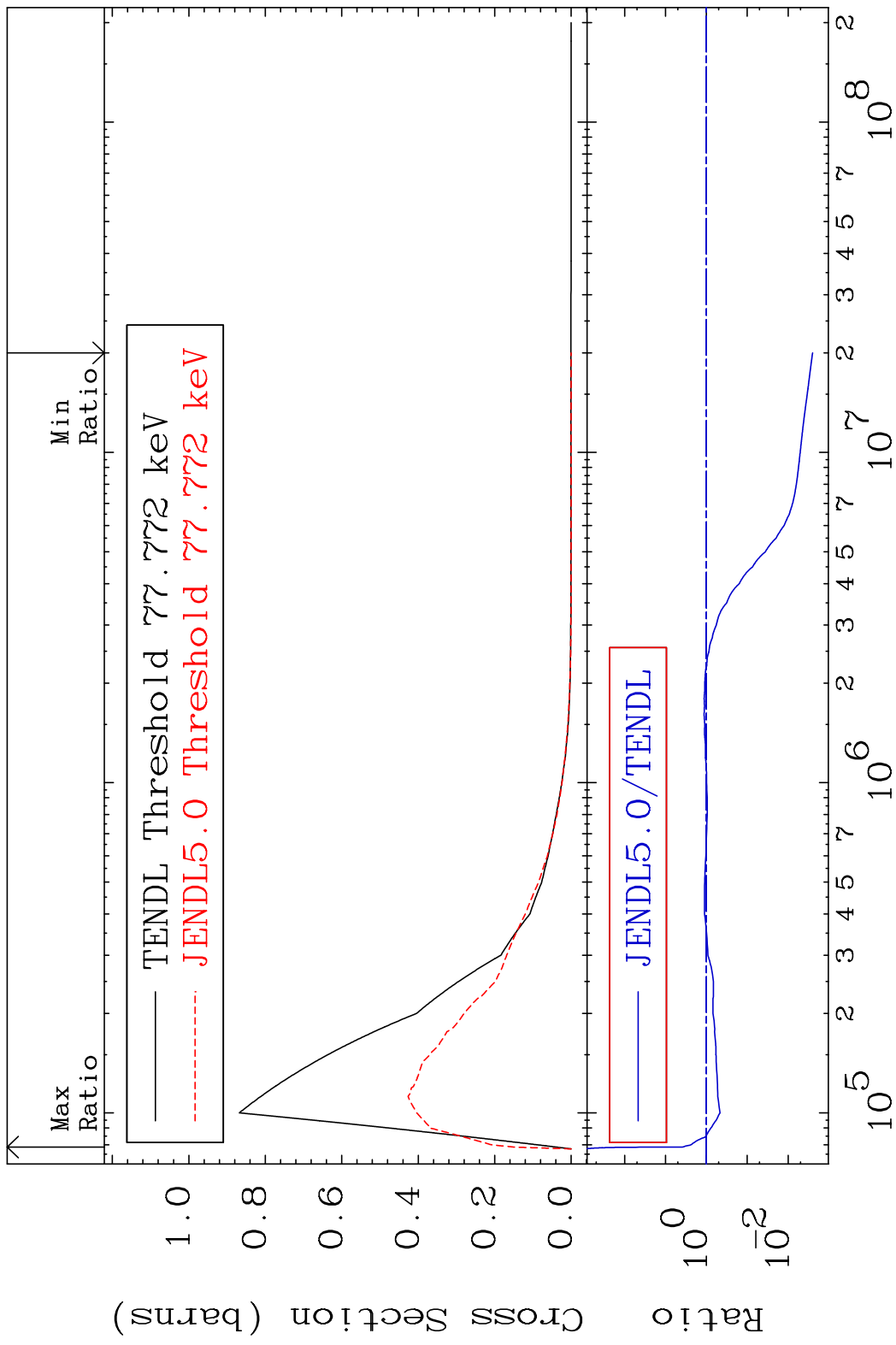
MAT 6328 MT= 51 (n, n') Level 63-Eu-152
 Cross Section -22.50 To 9999. %



MAT 6328 MT= 52 (n, n') Level 63-Eu-152
 Cross Section -99.27 To 68.49 %

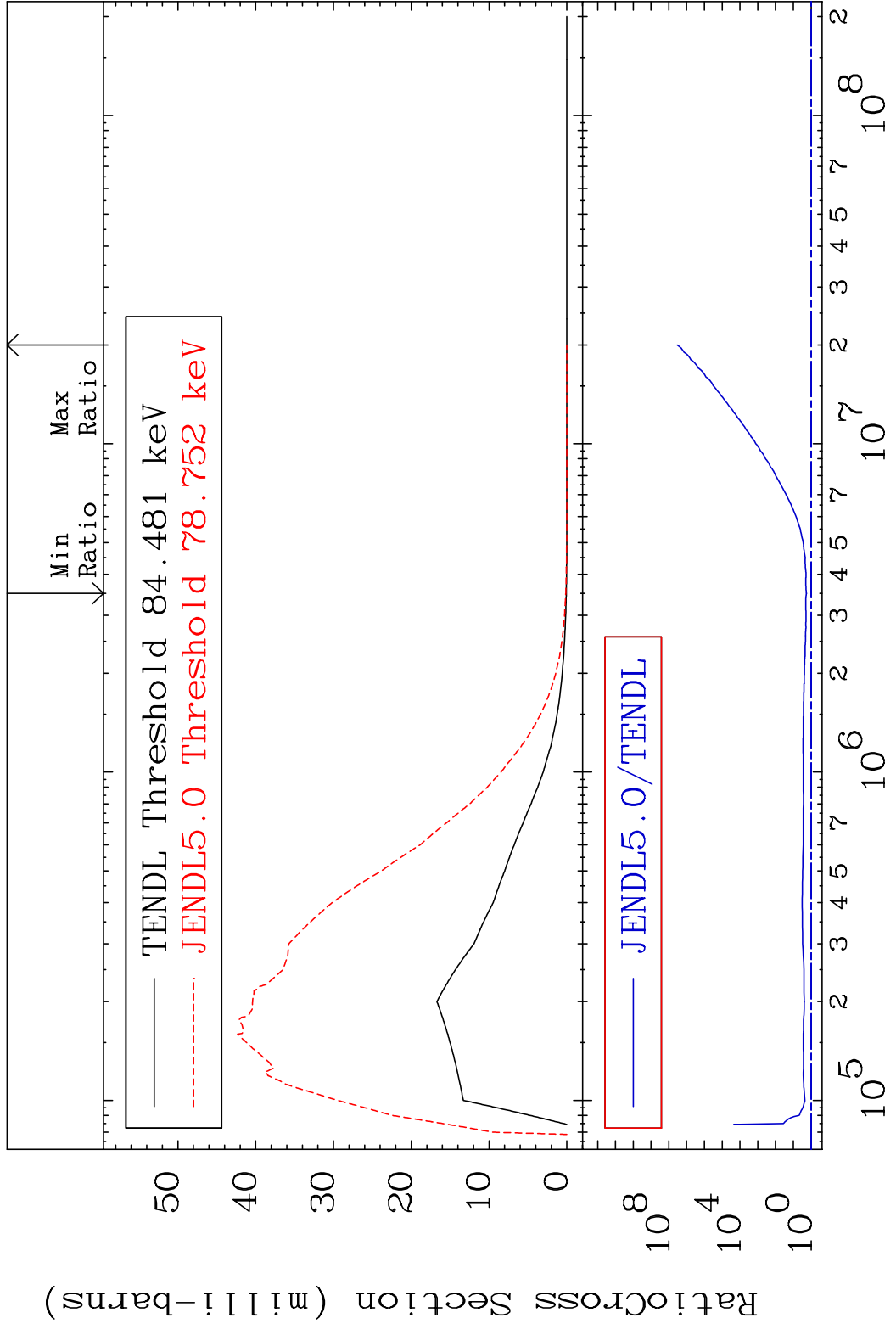


MAT 6328 MT= 53 (n,n') Level 63-Eu-152
 Cross Section -99.75 To 287.2 %



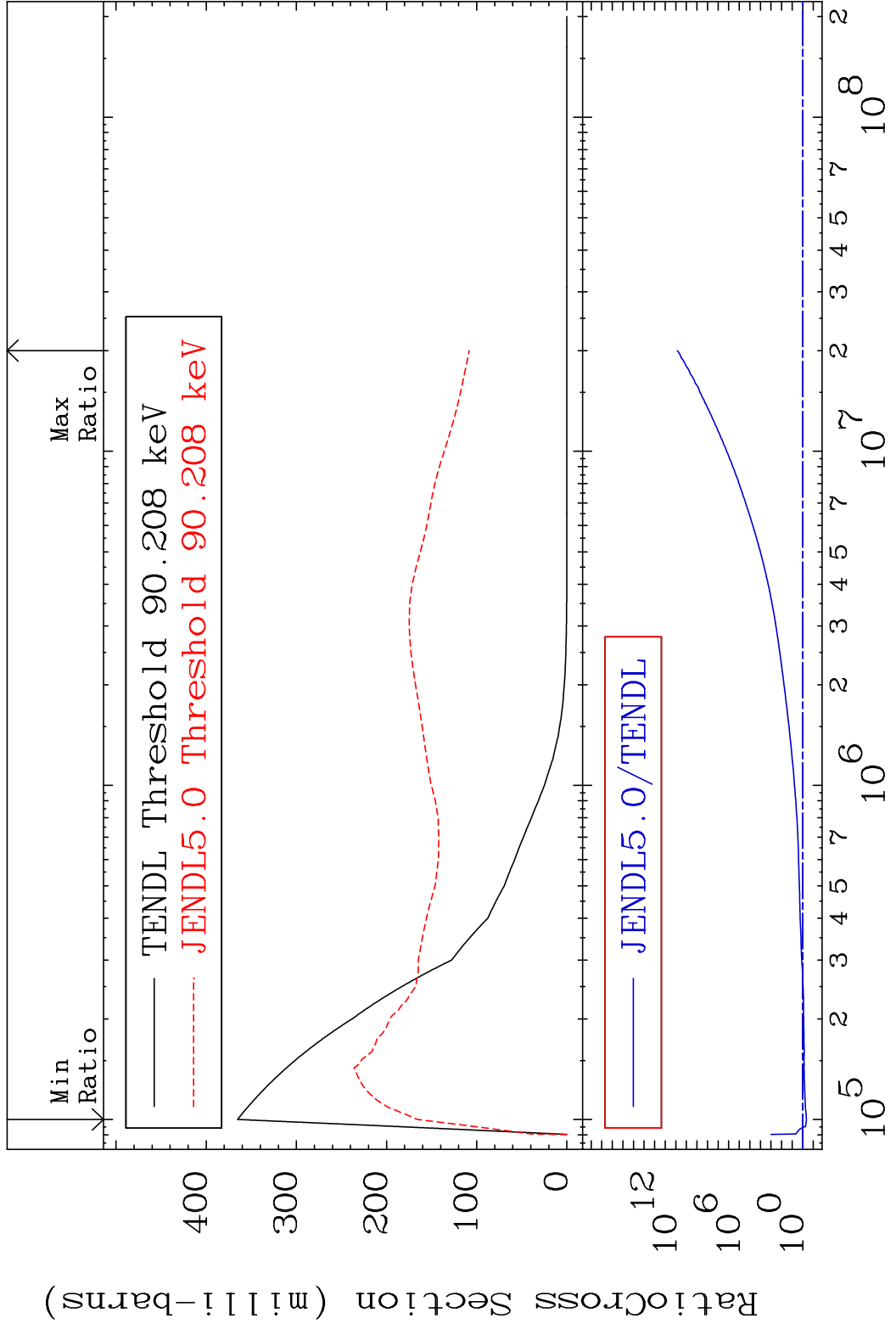
14 Incident Energy (eV) 63-Eu-152

MAT 6328 MT= 54 (n,n') Level 63-Eu-152
 Cross Section 84.23 To 9999. %



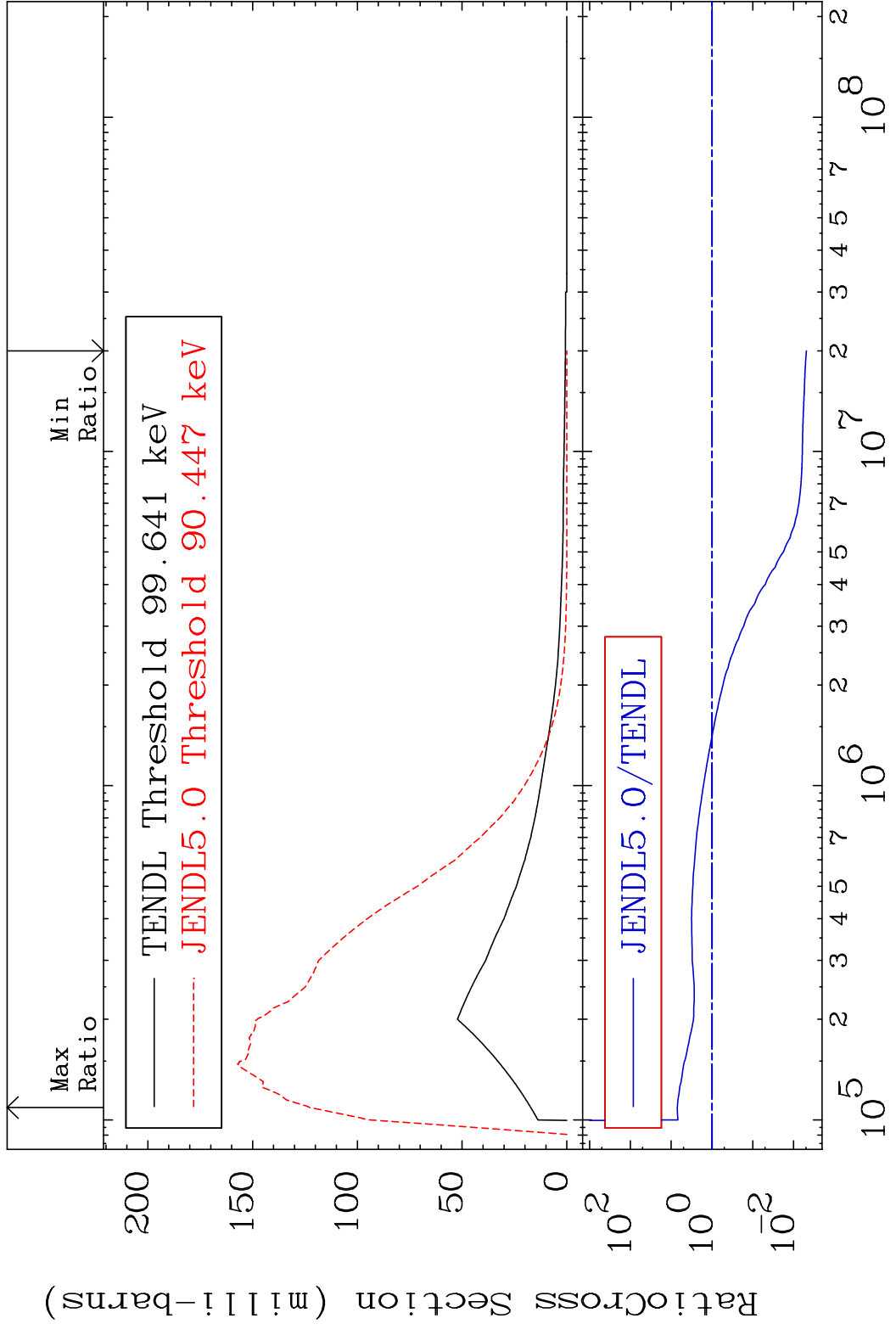
15 Incident Energy (eV) 63-Eu-152

MAT 6328 MT= 55 (n,n') Level 63-Eu-152
 Cross Section -54.67 To 9999. %



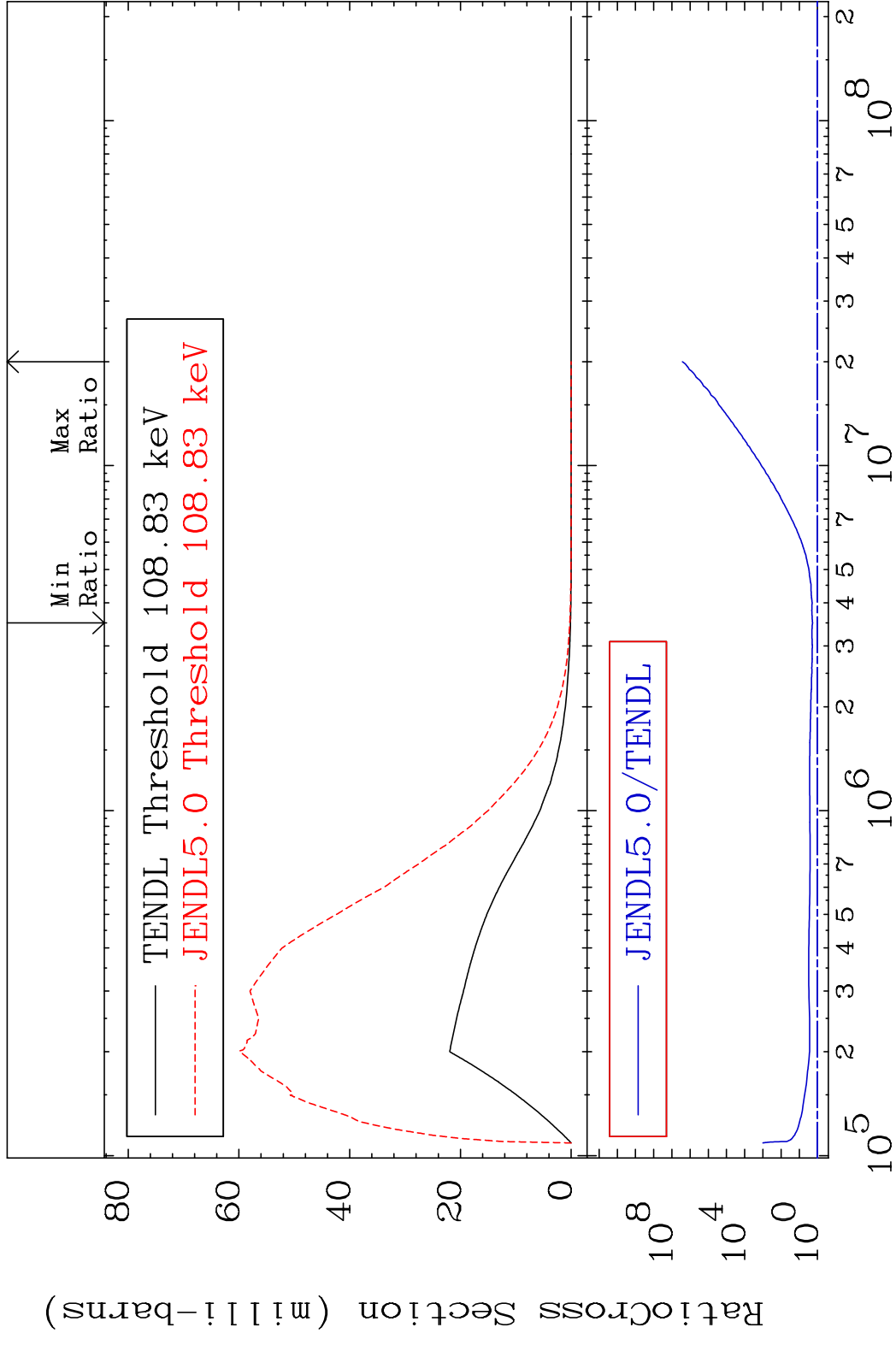
16 Incident Energy (eV) 63-Eu-152

MAT 6328 MT= 56 (n,n') Level 63-Eu-152
 Cross Section -99.51 To 613.1 %



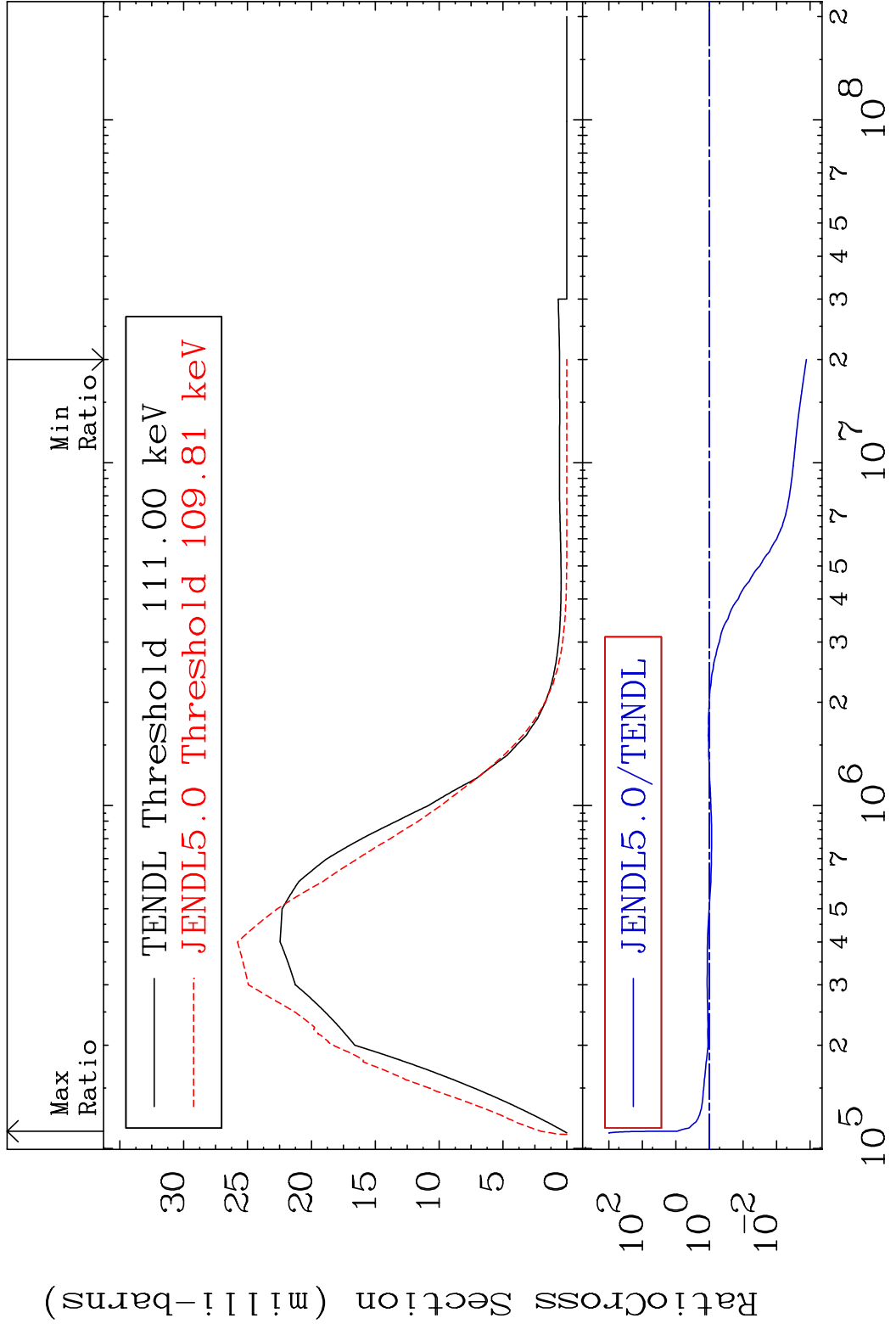
17 Incident Energy (eV) 63-Eu-152

MAT 6328 MT= 57 (n, n') Level 63-Eu-152
 Cross Section 86.66 To 9999. %



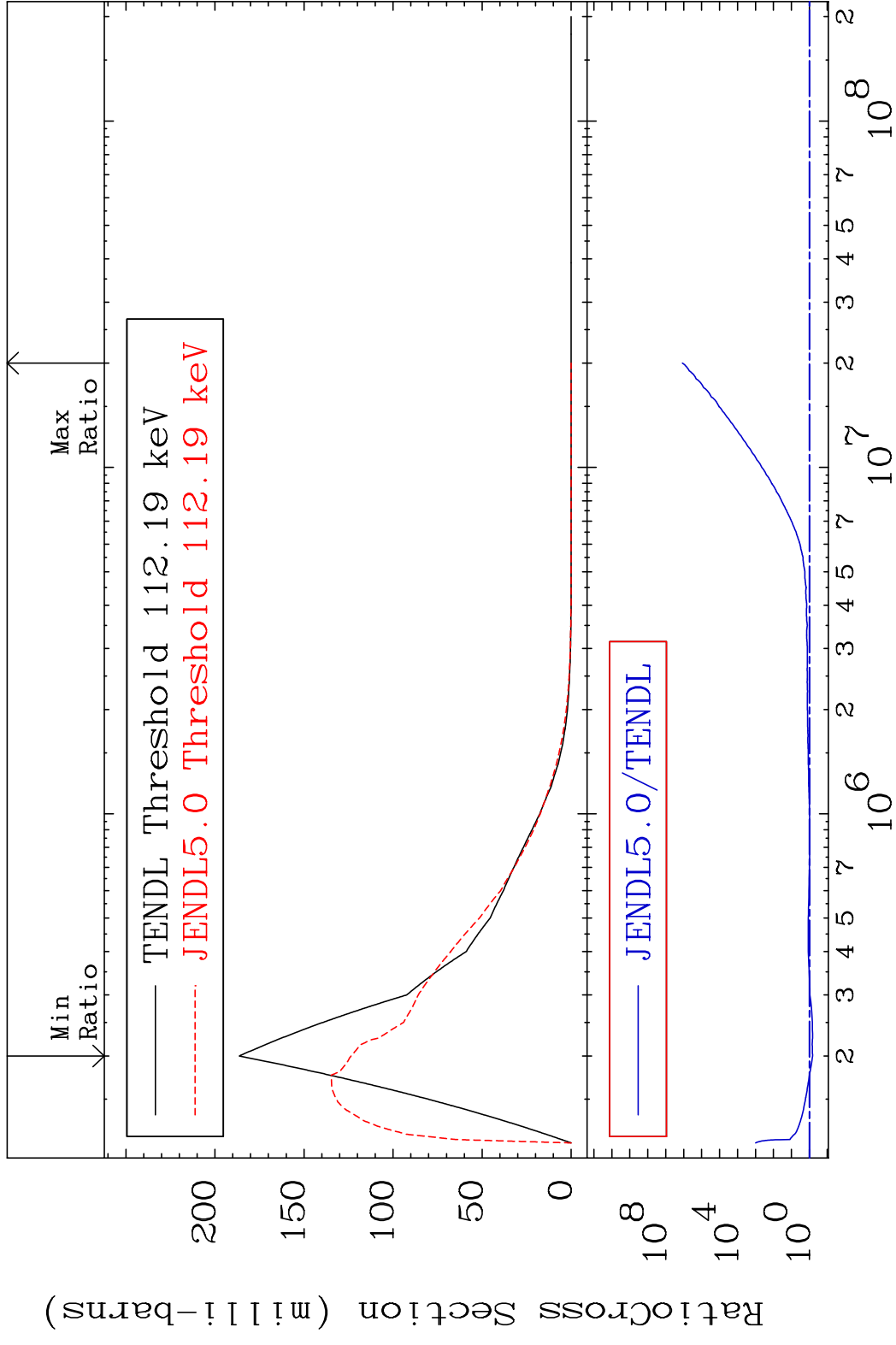
18 Incident Energy (eV) 63-Eu-152

MAT 6328 MT= 58 (n,n') Level 63-Eu-152
 Cross Section -99.87 To 816.1 %

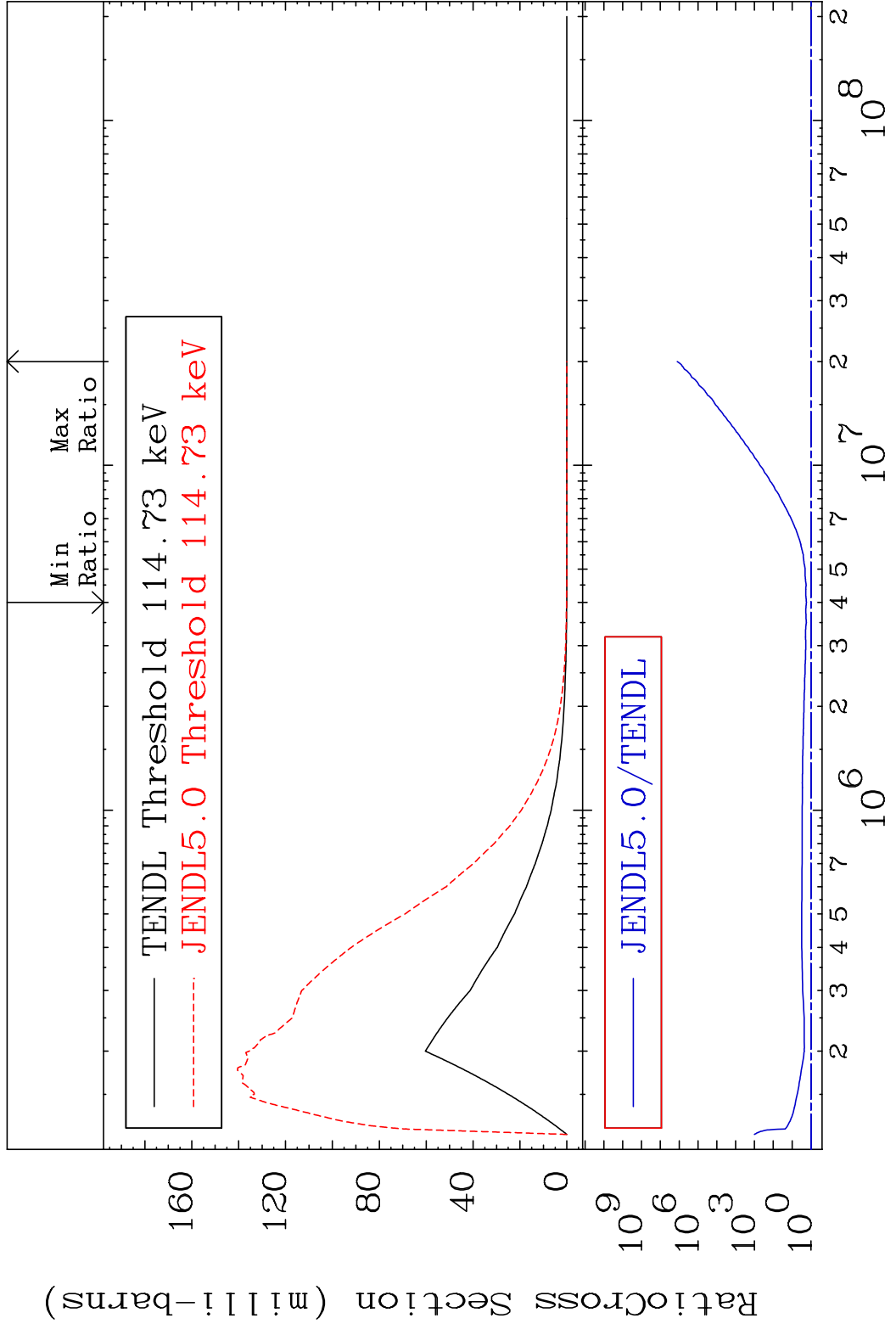


19 Incident Energy (eV) 63-Eu-152

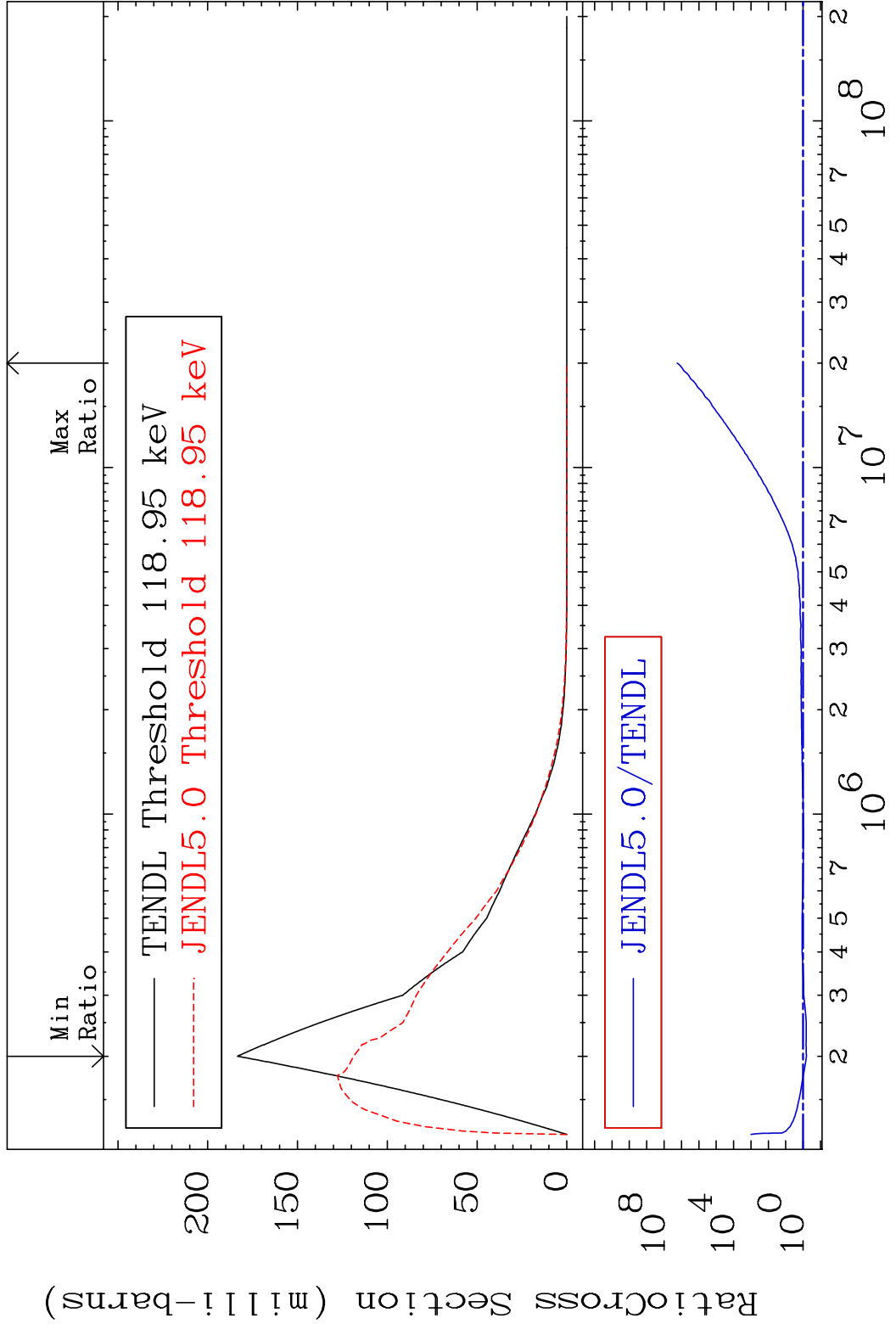
MAT 6328 MT= 59 (n,n') Level 63-Eu-152
 Cross Section -33.73 To 9999. %



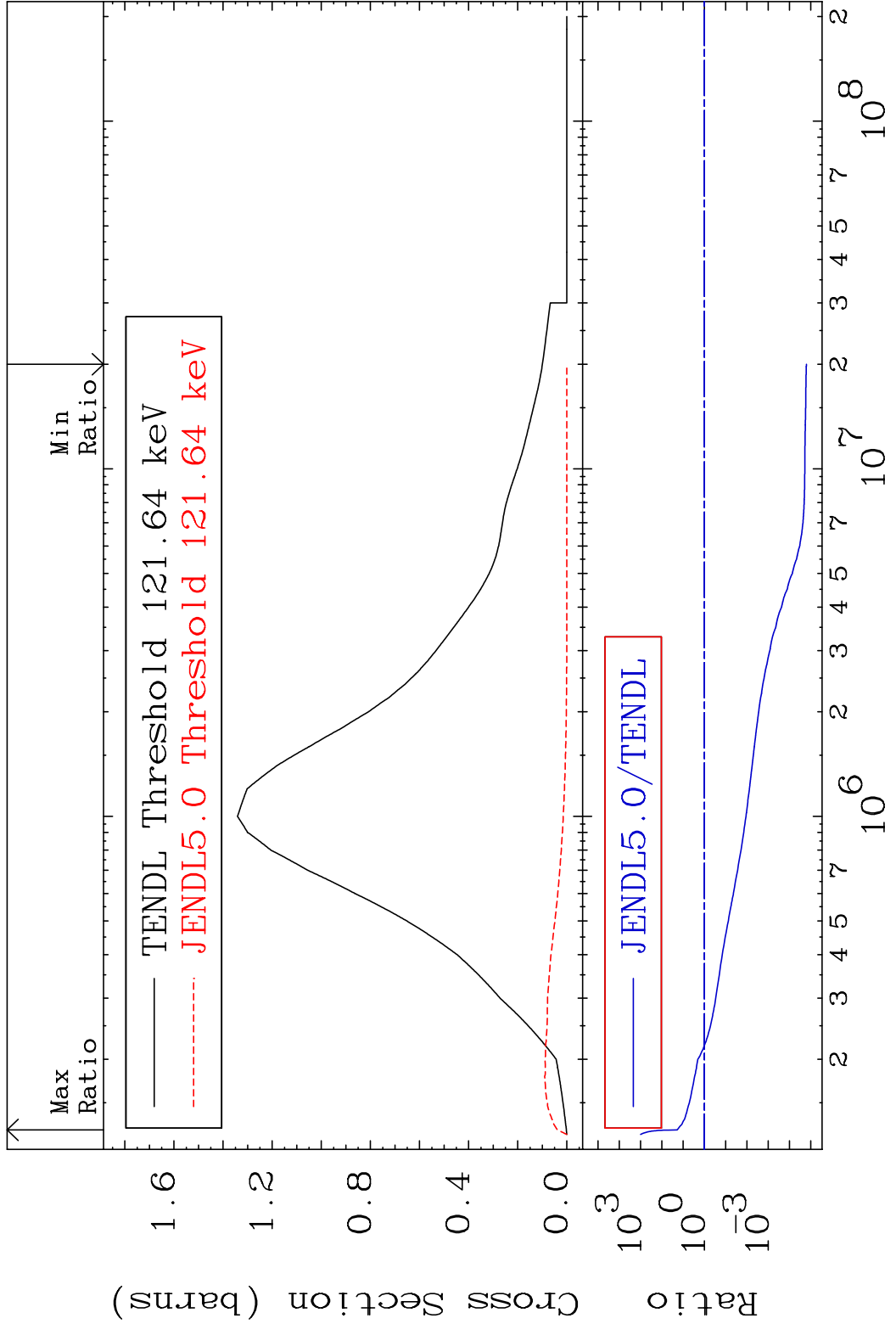
MAT 6328 MT= 60 (n, n') Level 63-Eu-152
 Cross Section 73.85 To 9999. %



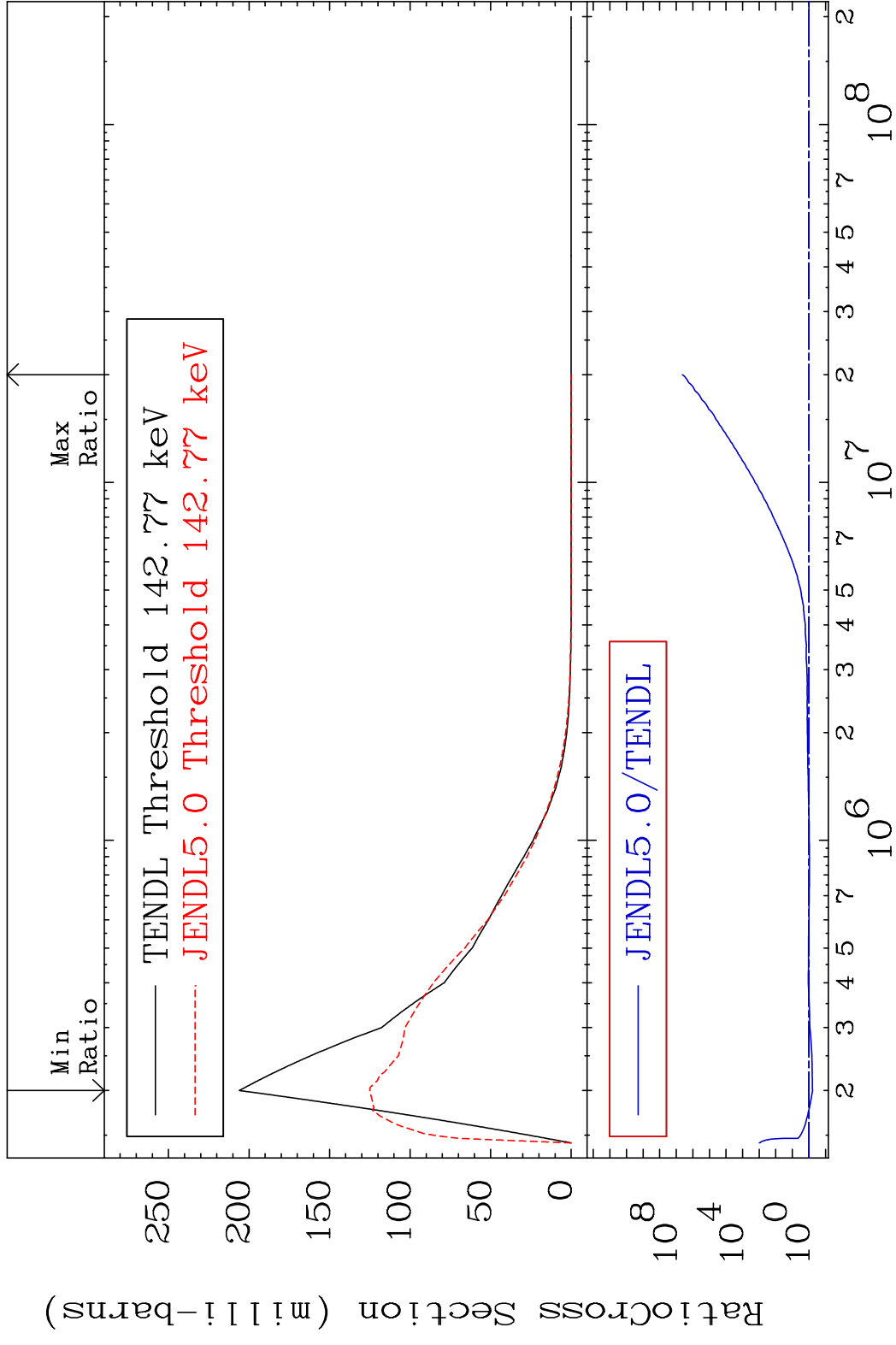
MAT 6328 MT= 61 (n, n') Level 63-Eu-152
 Cross Section -35.34 To 9999. %



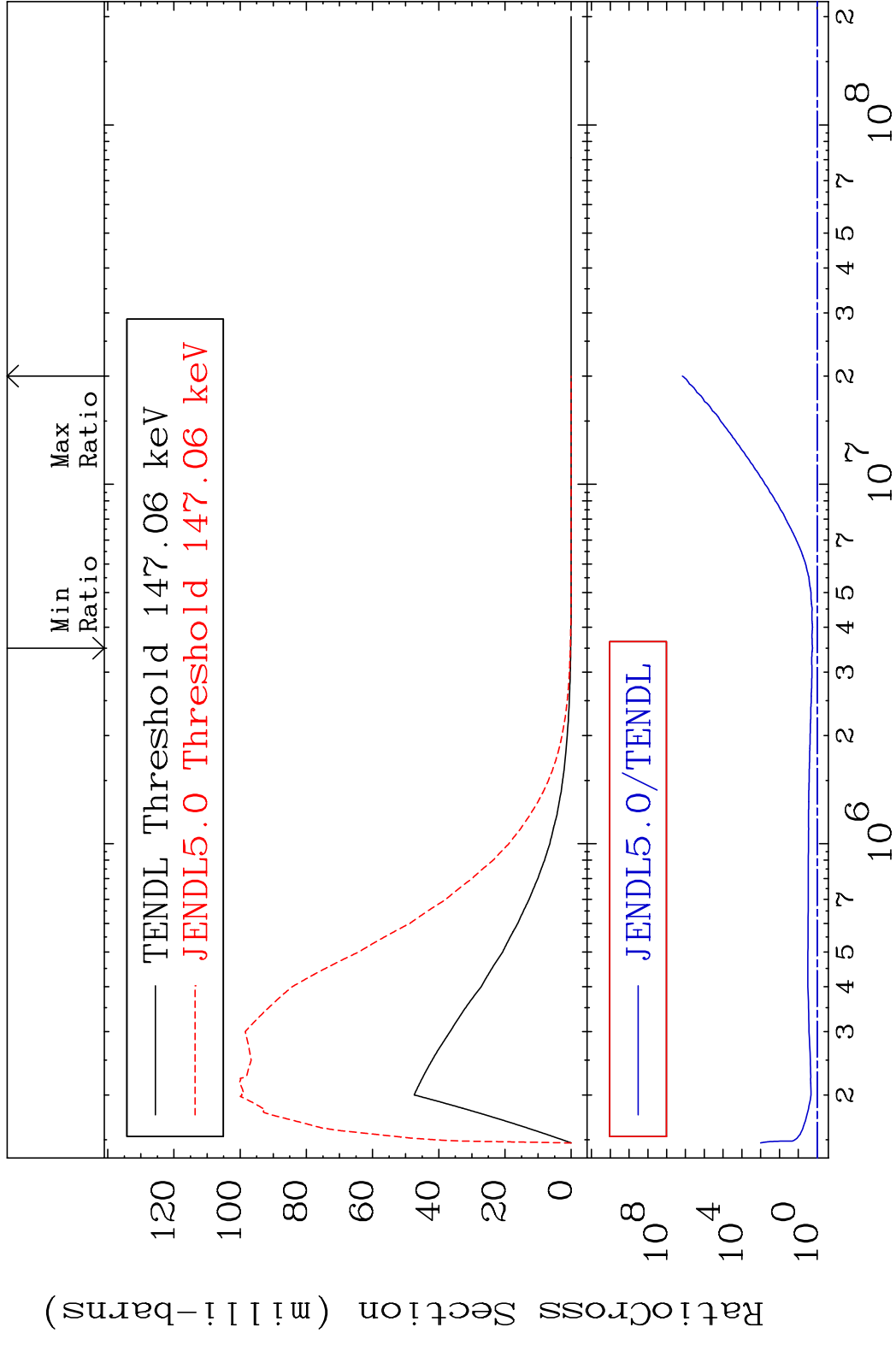
MAT 6328 MT= 62 (n, n') Level 63-Eu-152
 Cross Section -100.0 To 1783. %



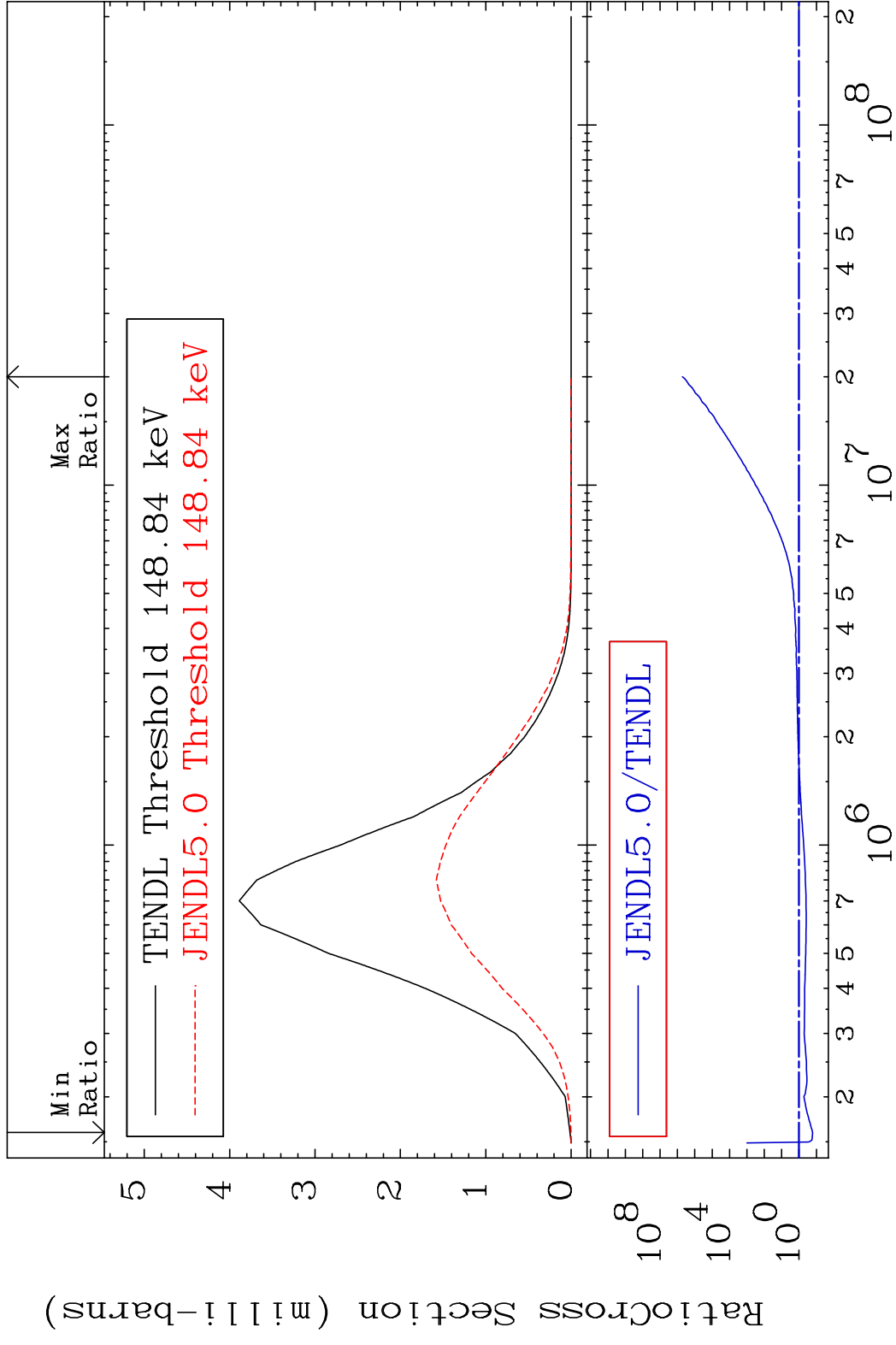
MAT 6328 MT= 64 (n,n') Level 63-Eu-152
 Cross Section -39.35 To 9999. %



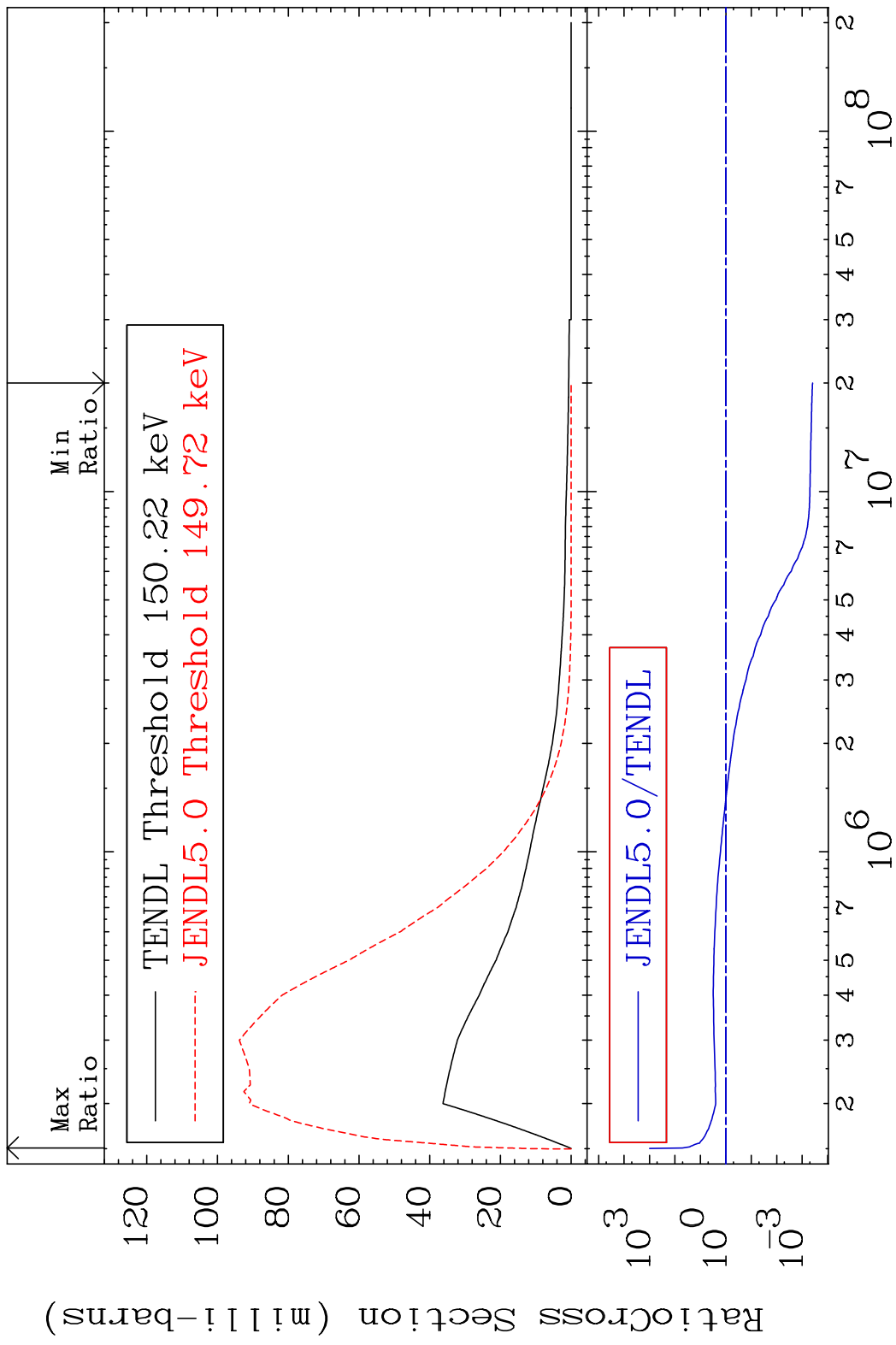
MAT 6328 MT= 65 (n, n') Level 63-Eu-152
 Cross Section 75.42 To 9999. %



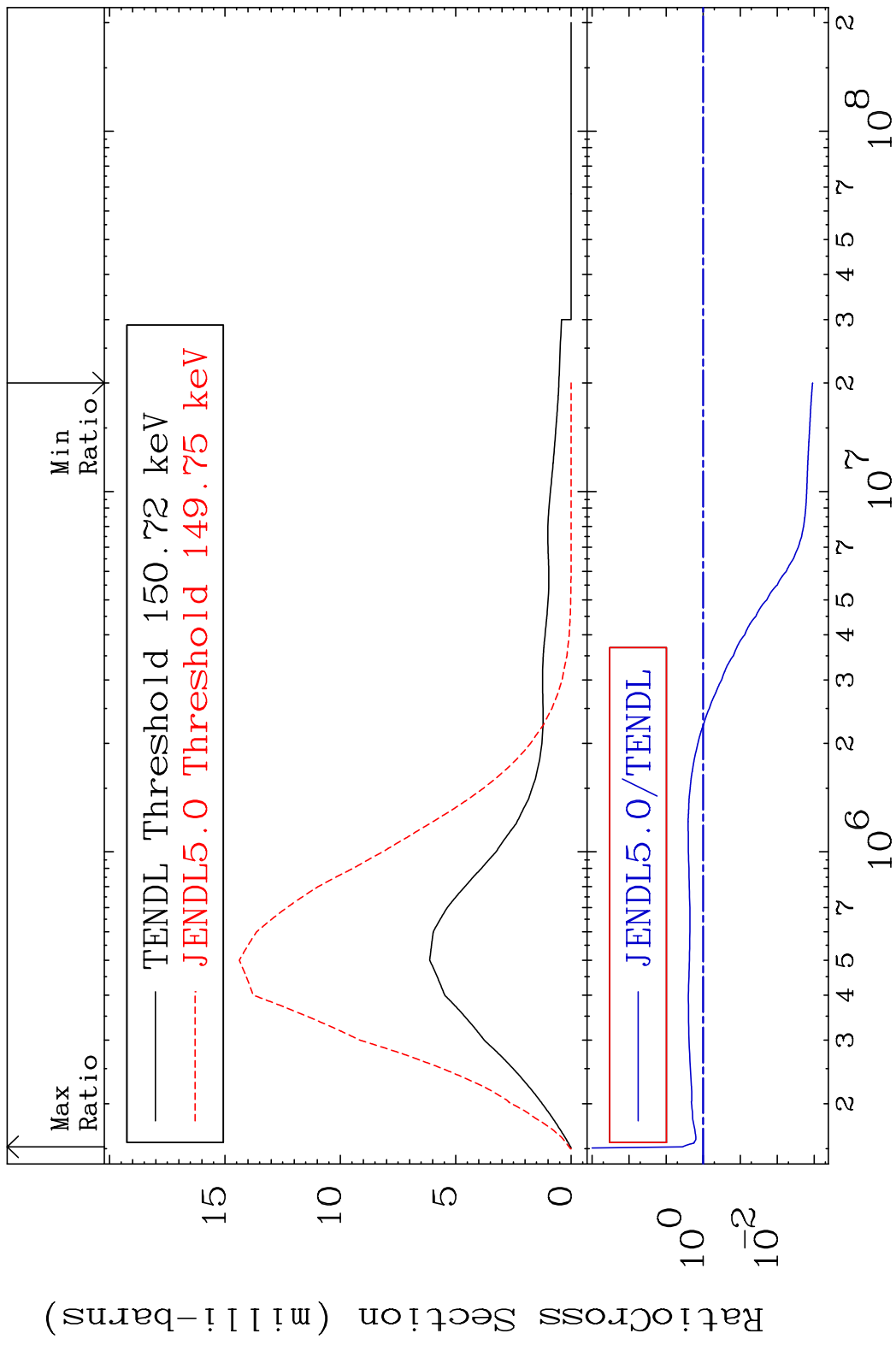
MAT 6328 MT= 66 (n,n') Level 63-Eu-152
 Cross Section -83.41 To 9999. %



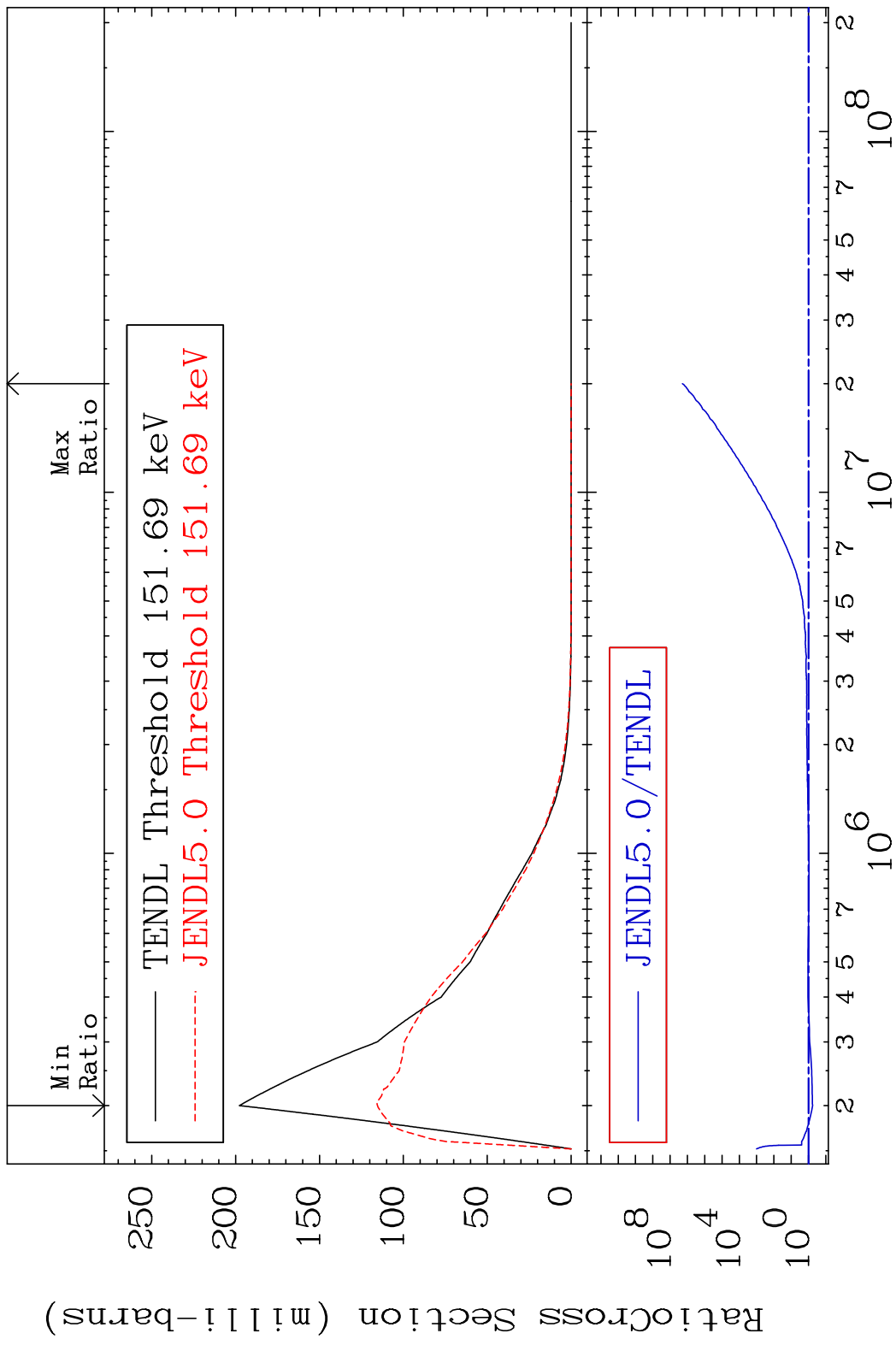
MAT 6328 MT= 67 (n,n') Level 63-Eu-152
 Cross Section -99.96 To 5015. %



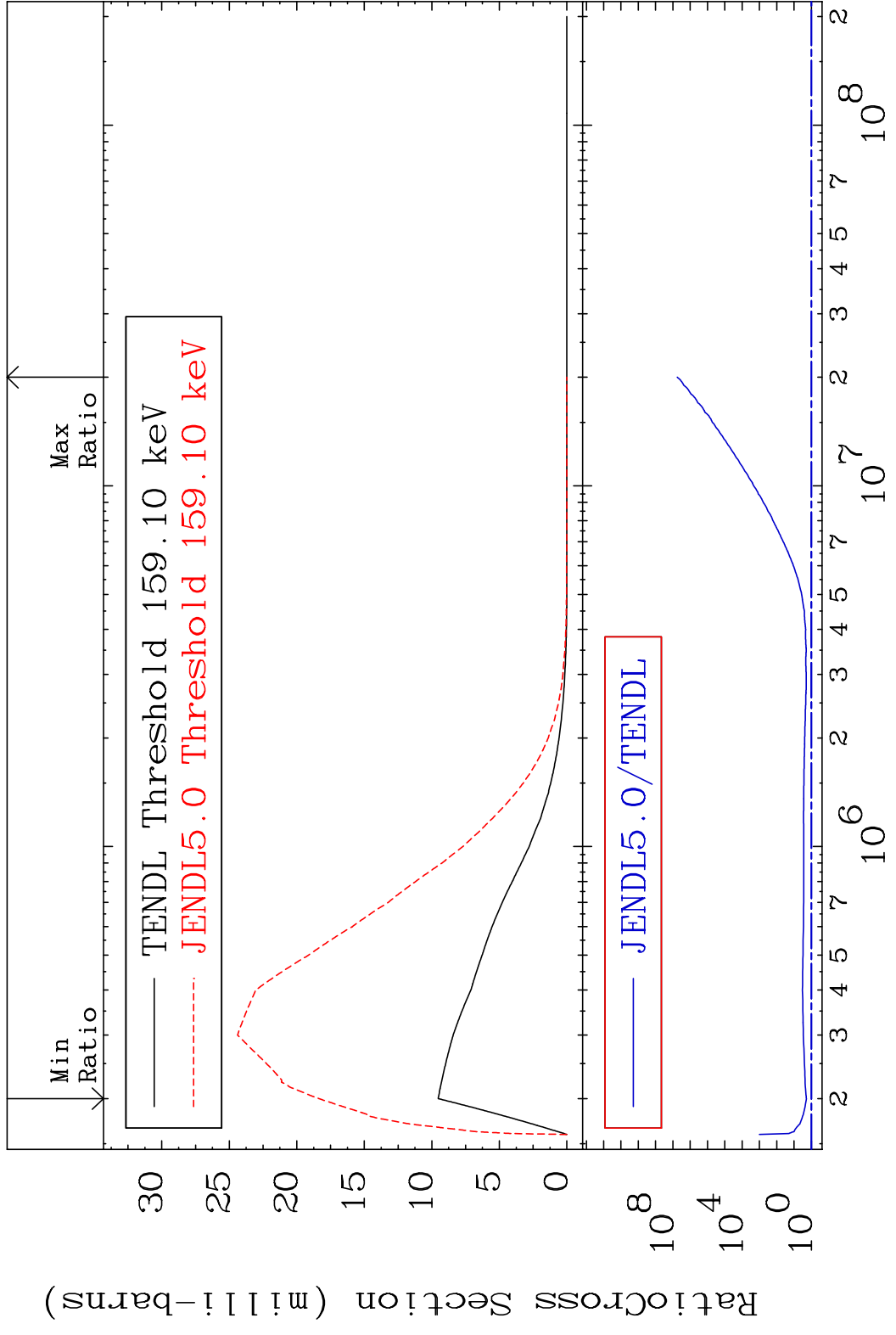
MAT 6328 MT= 68 (n, n') Level 63-Eu-152
 Cross Section -99.89 To 264.9 %



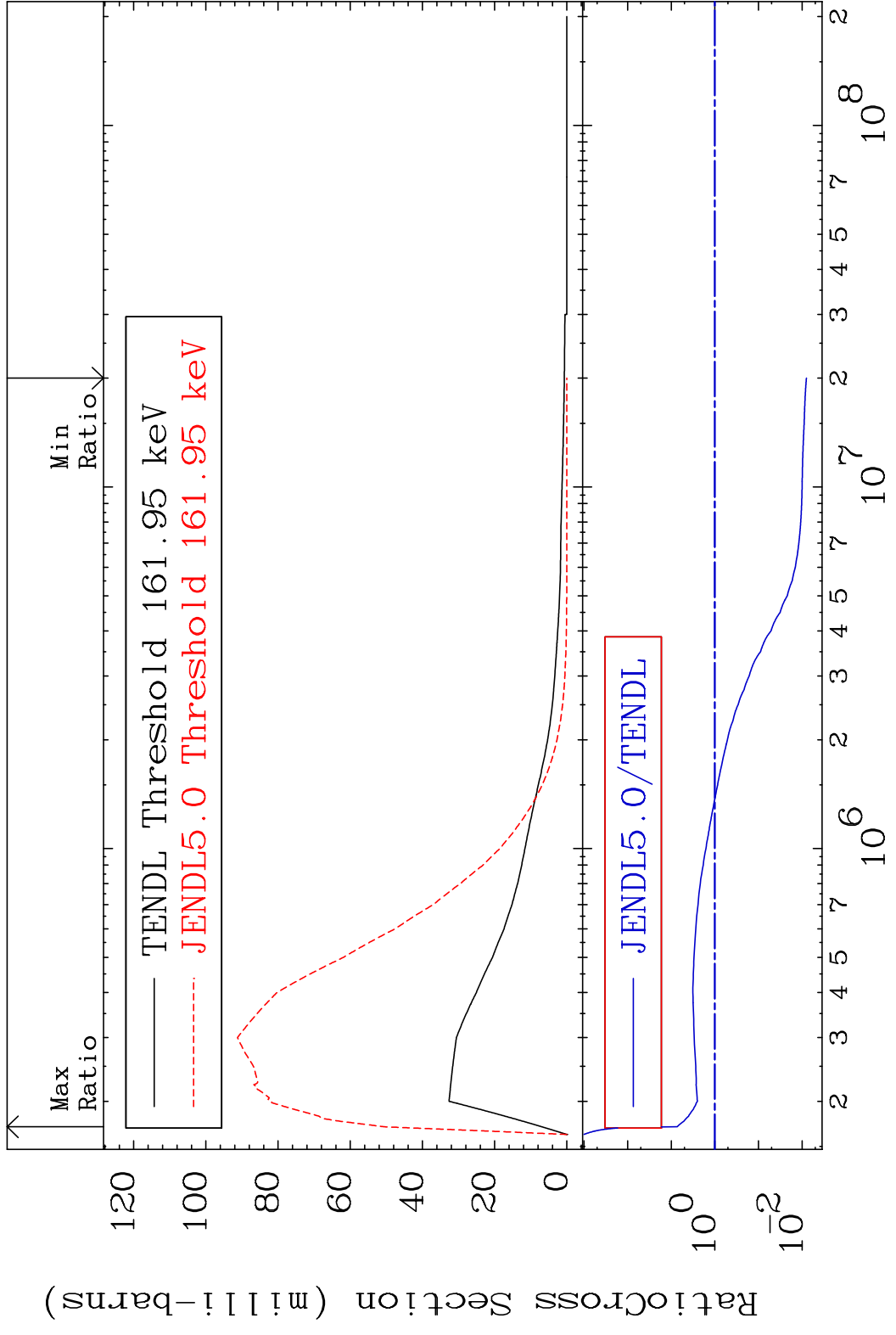
MAT 6328 MT= 69 (n,n') Level 63-Eu-152
 Cross Section -41.64 To 9999. %



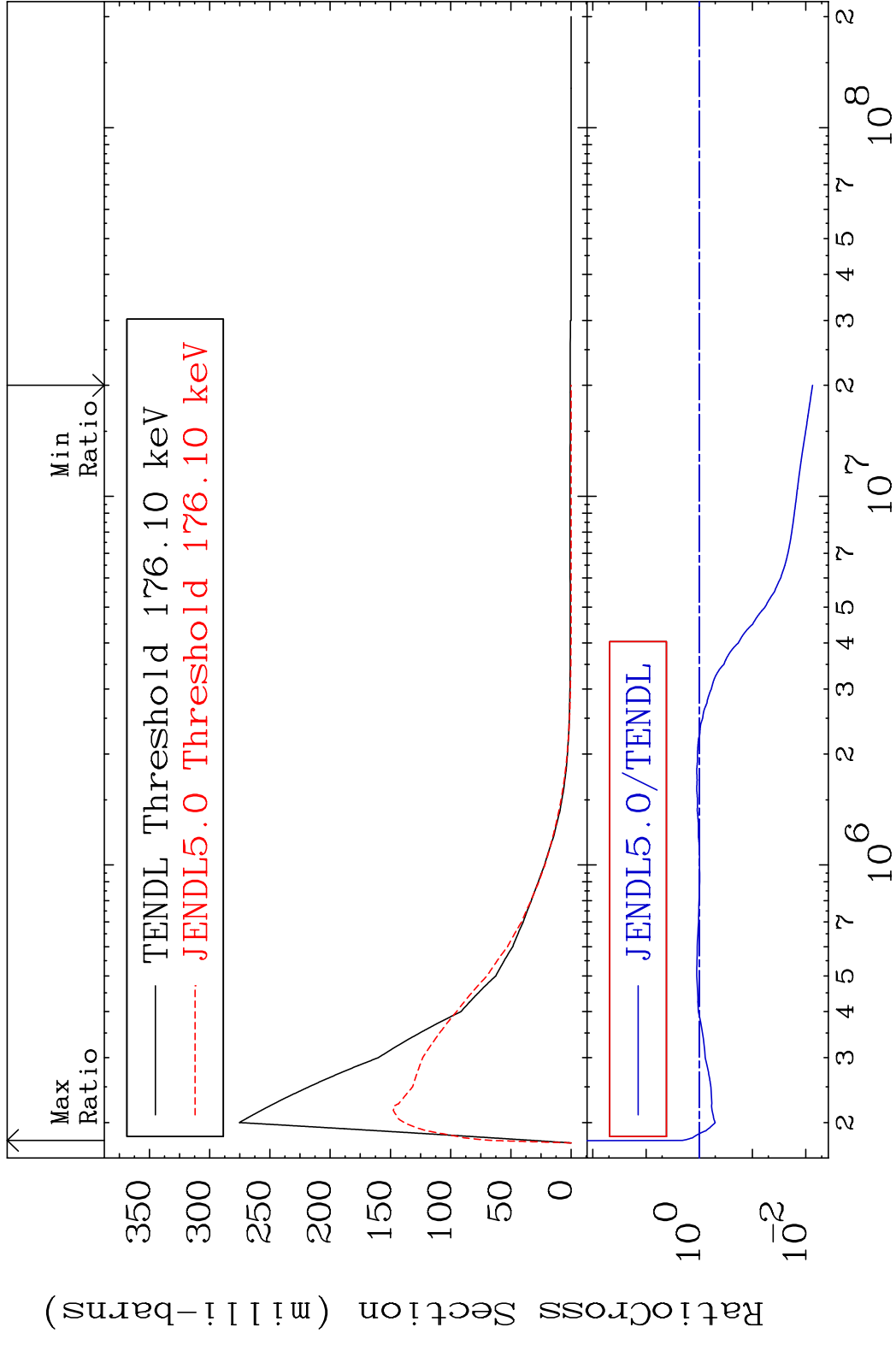
MAT 6328 MT= 70 (n,n') Level 63-Eu-152
 Cross Section 92.57 To 9999. %



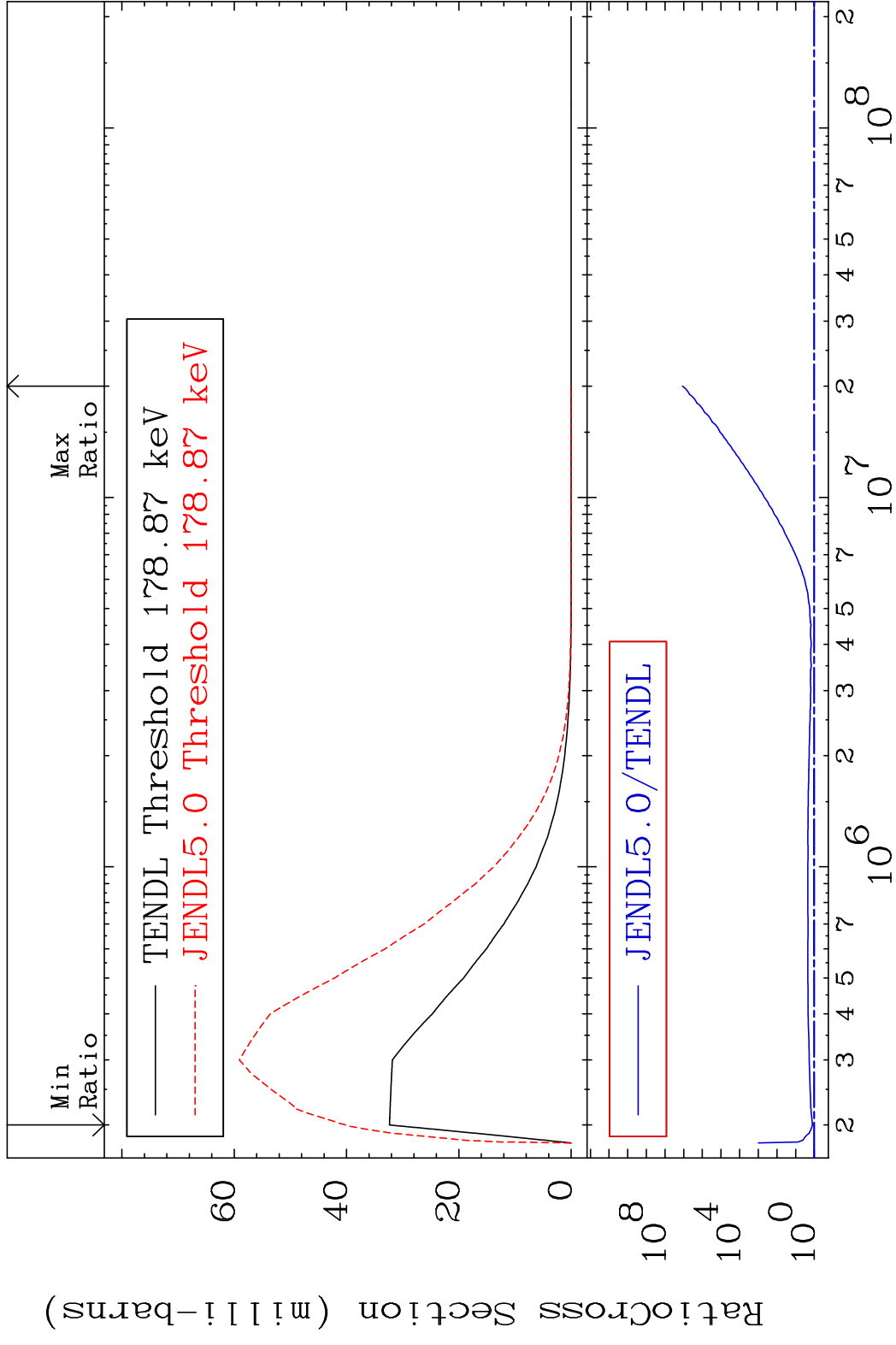
MAT 6328 MT= 71 (n,n') Level 63-Eu-152
 Cross Section -99.20 To 630.4 %



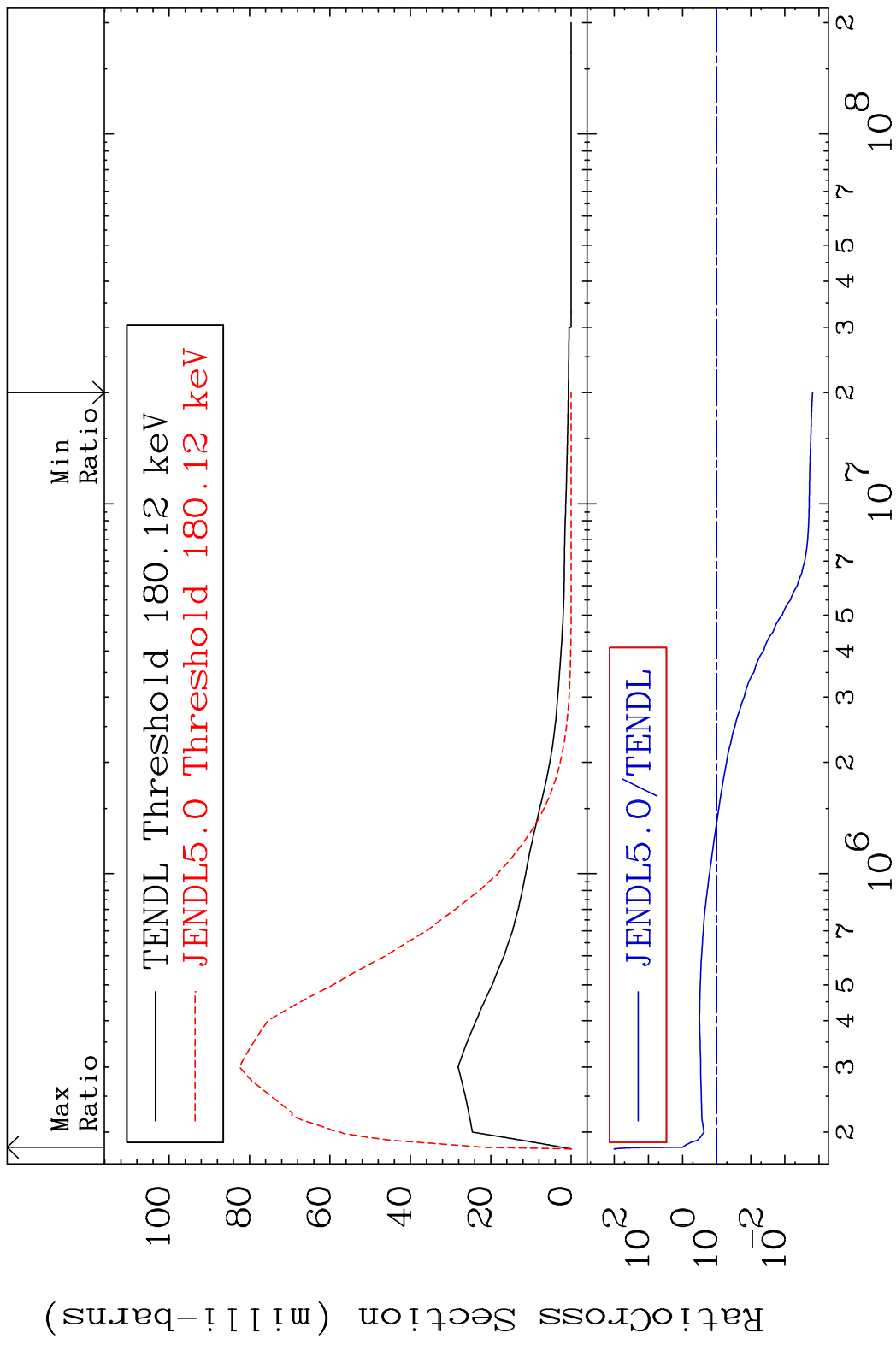
MAT 6328 MT= 72 (n, n') Level 63-Eu-152
 Cross Section -99.26 To 107.7 %



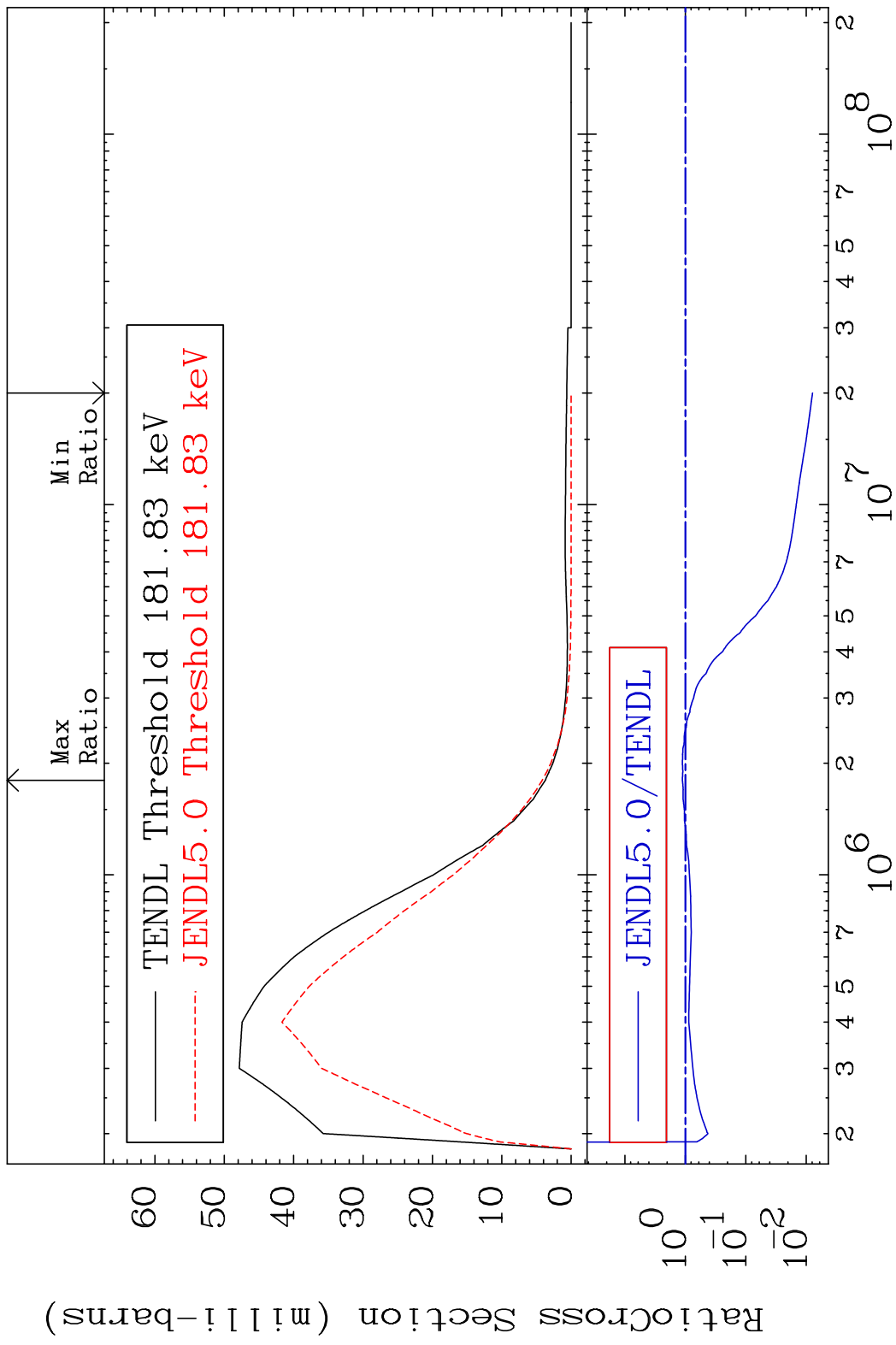
MAT 6328 MT= 73 (n, n') Level 63-Eu-152
 Cross Section 23.77 To 9999. %



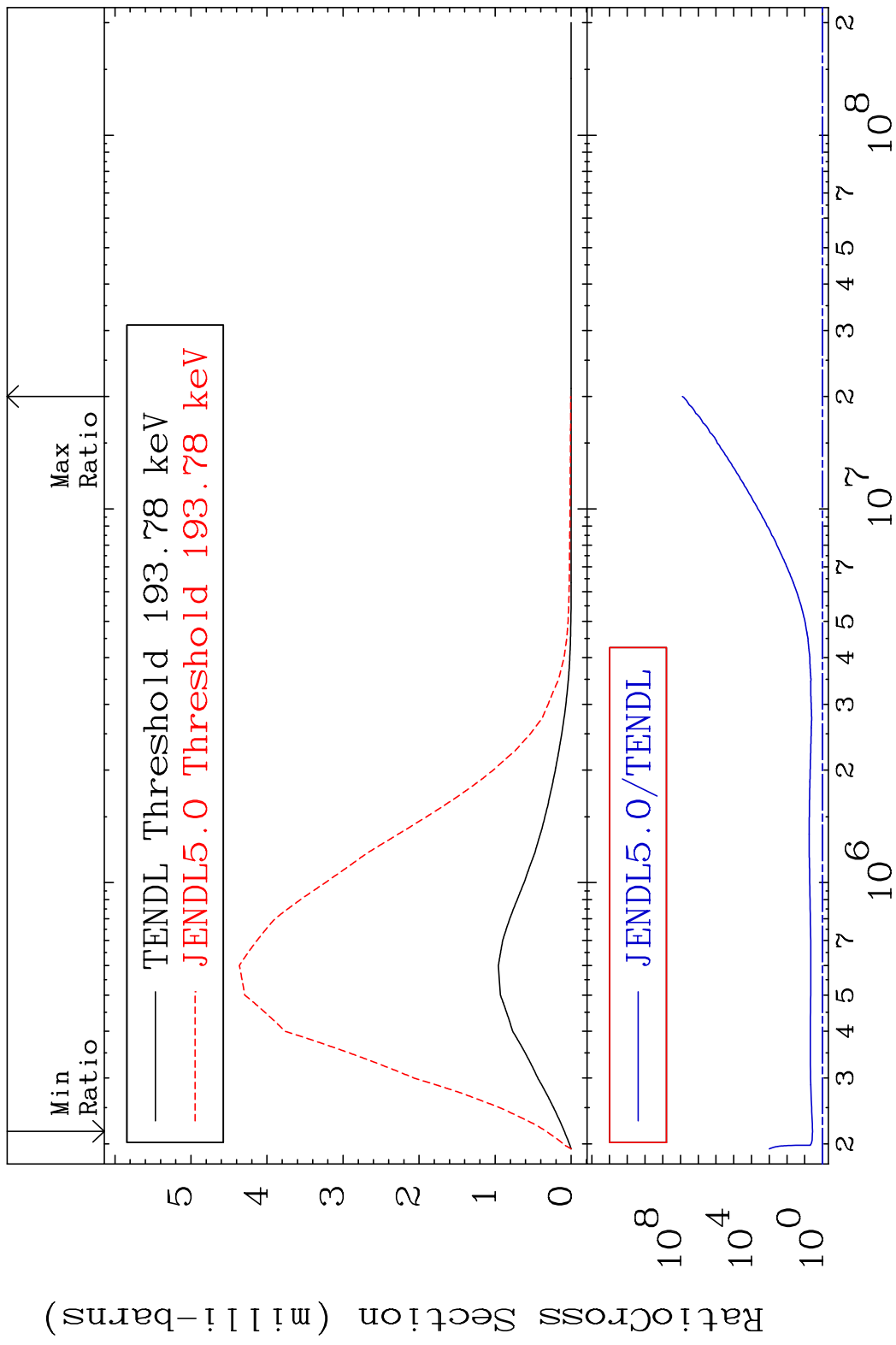
MAT 6328 MT= 74 (n,n') Level 63-Eu-152
 Cross Section -99.85 To 911.4 %



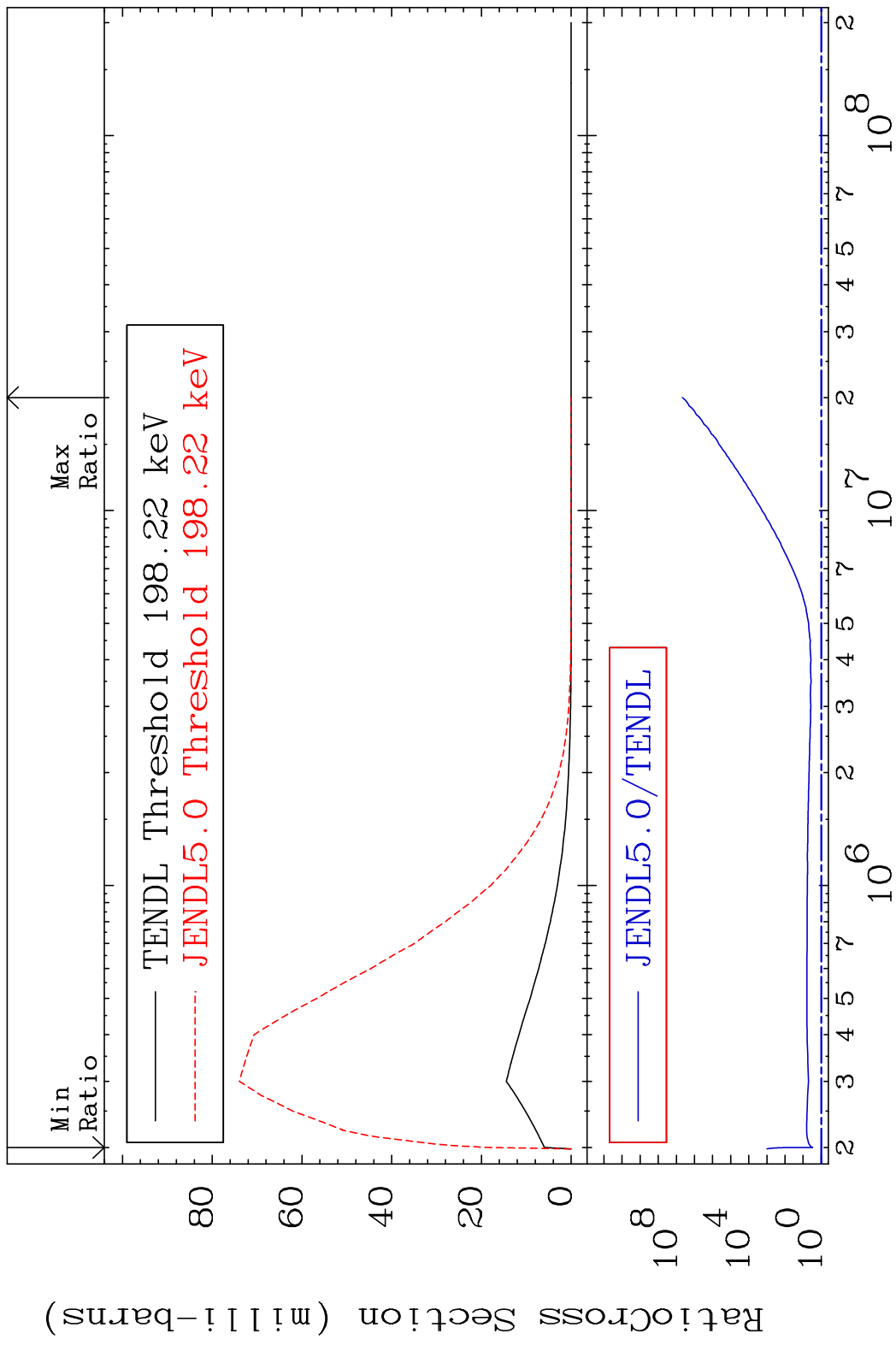
MAT 6328 MT= 75 (n,n') Level 63-Eu-152
 Cross Section -99.21 To 11.82 %



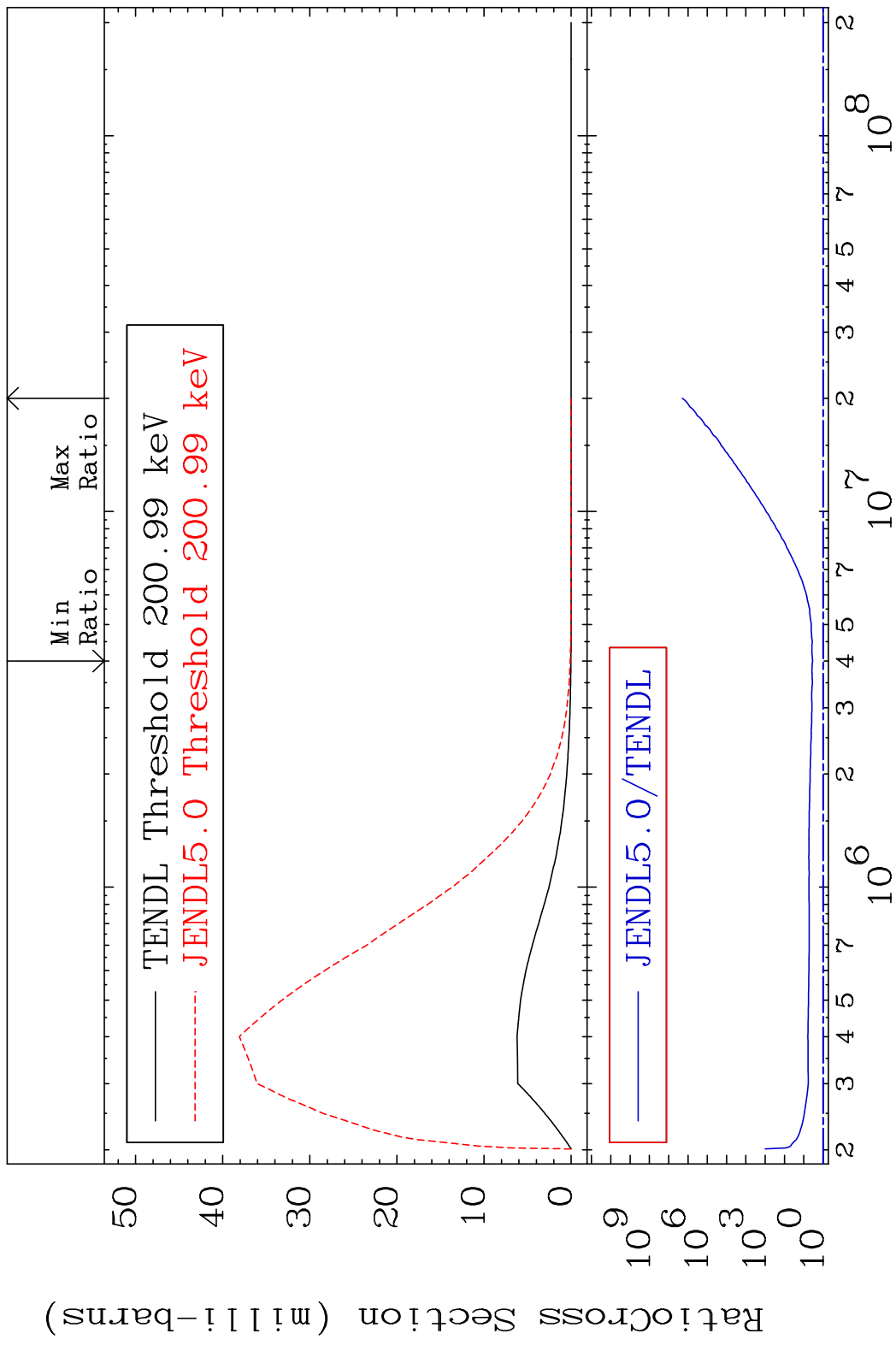
MAT 6328 MT= 76 (n,n') Level 63-Eu-152
 Cross Section 260.9 To 9999. %



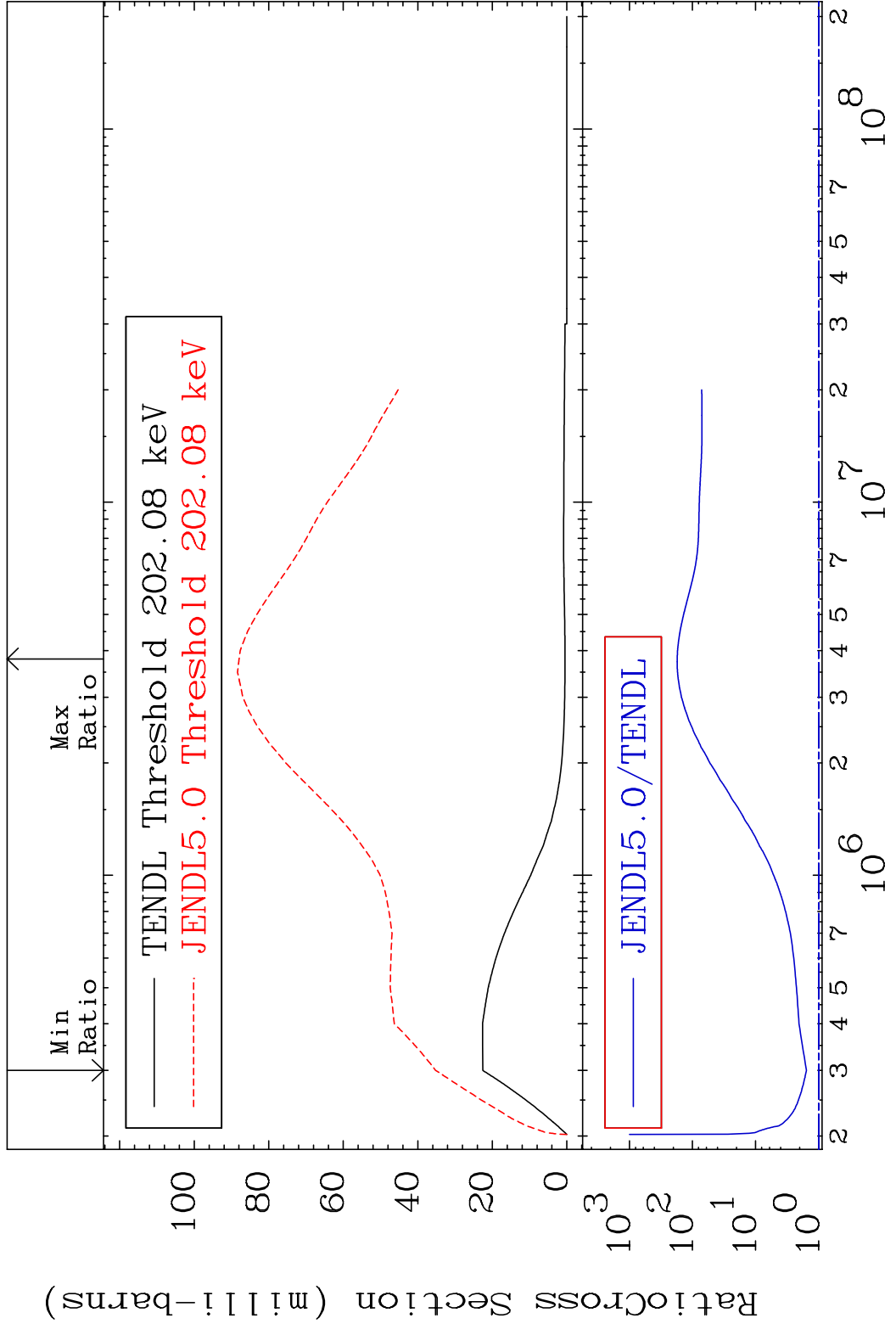
MAT 6328 MT= 77 (n,n') Level 63-Eu-152
 Cross Section 201.6 To 9999. %



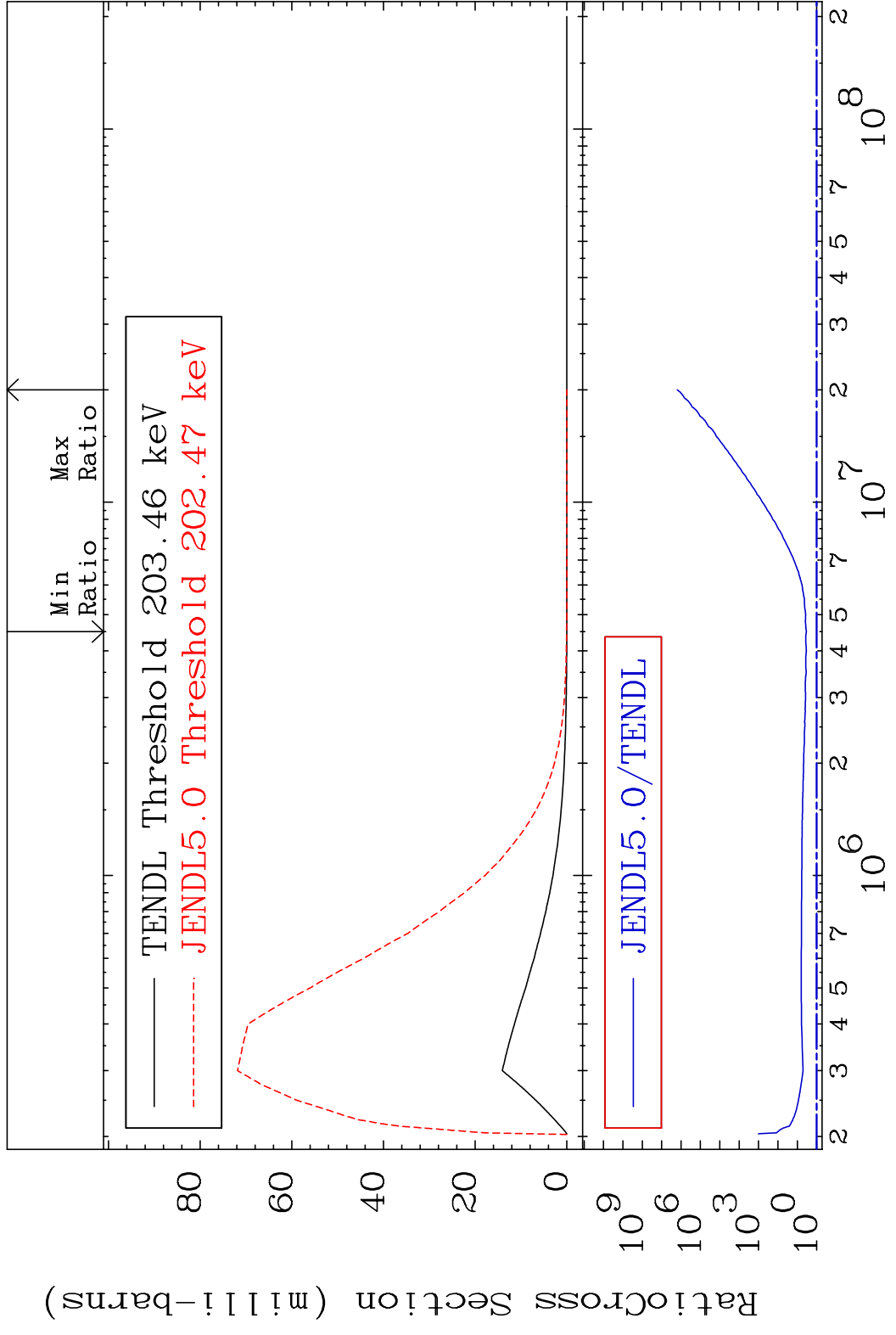
MAT 6328 MT= 78 (n, n') Level 63-Eu-152
 Cross Section 251.7 To 9999. %



MAT 6328 MT= 79 (n, n') Level 63-Eu-152
 Cross Section 56.13 To 9999. %



MAT 6328 MT= 80 (n, n') Level 63-Eu-152
 Cross Section 238.5 To 9999. %

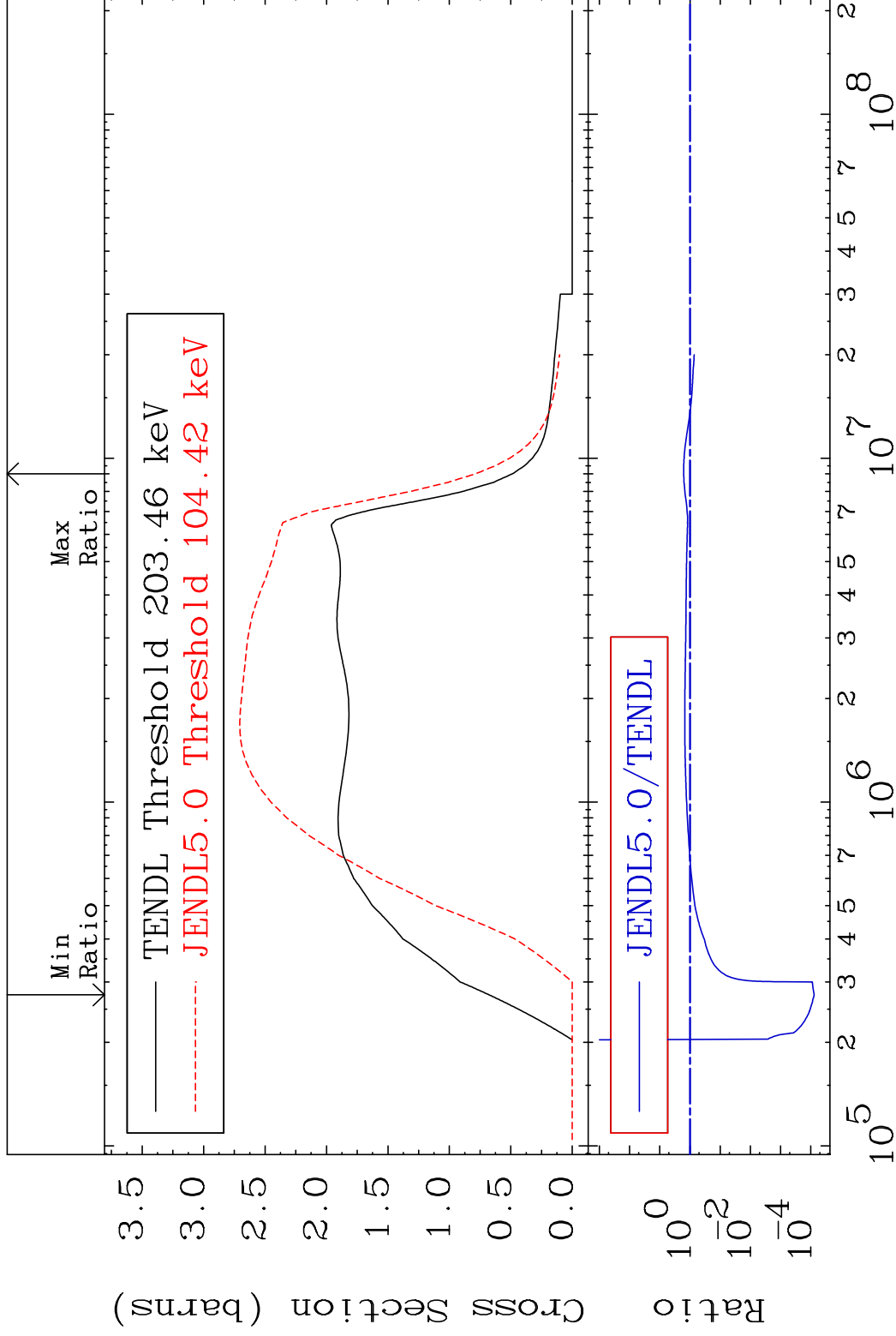


MAT 6328

(n, n') Continuum

63-Eu-152

Cross Section -99.99 To 61.86 %



42

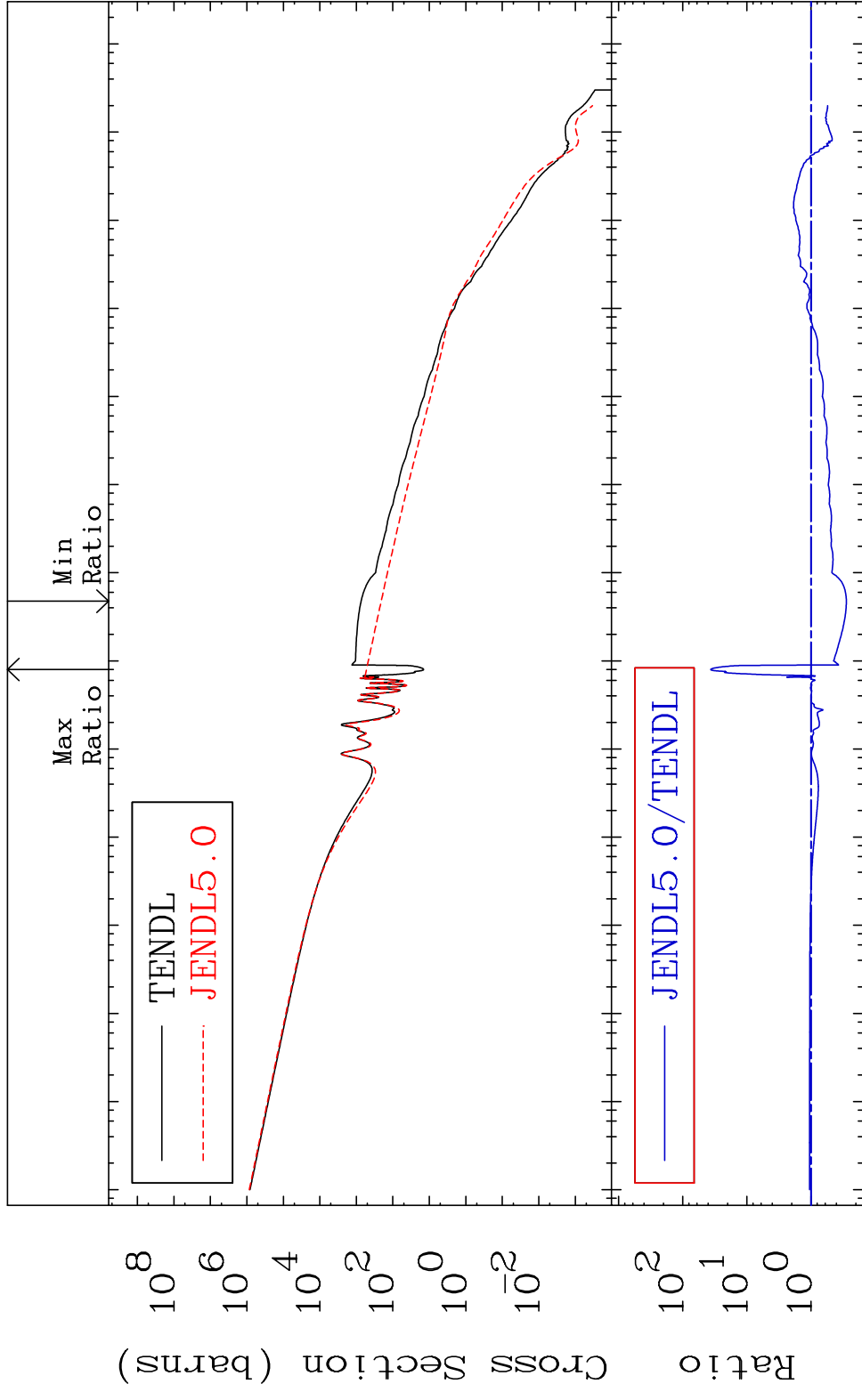
Incident Energy (eV)

63-Eu-152

MAT 6328

(n, γ)
Cross Section -71.89 To 3556. %

63-Eu-152



Cross Section (barns)
 10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}

Ratio
 10^2
 10^1
 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

43

63-Eu-152

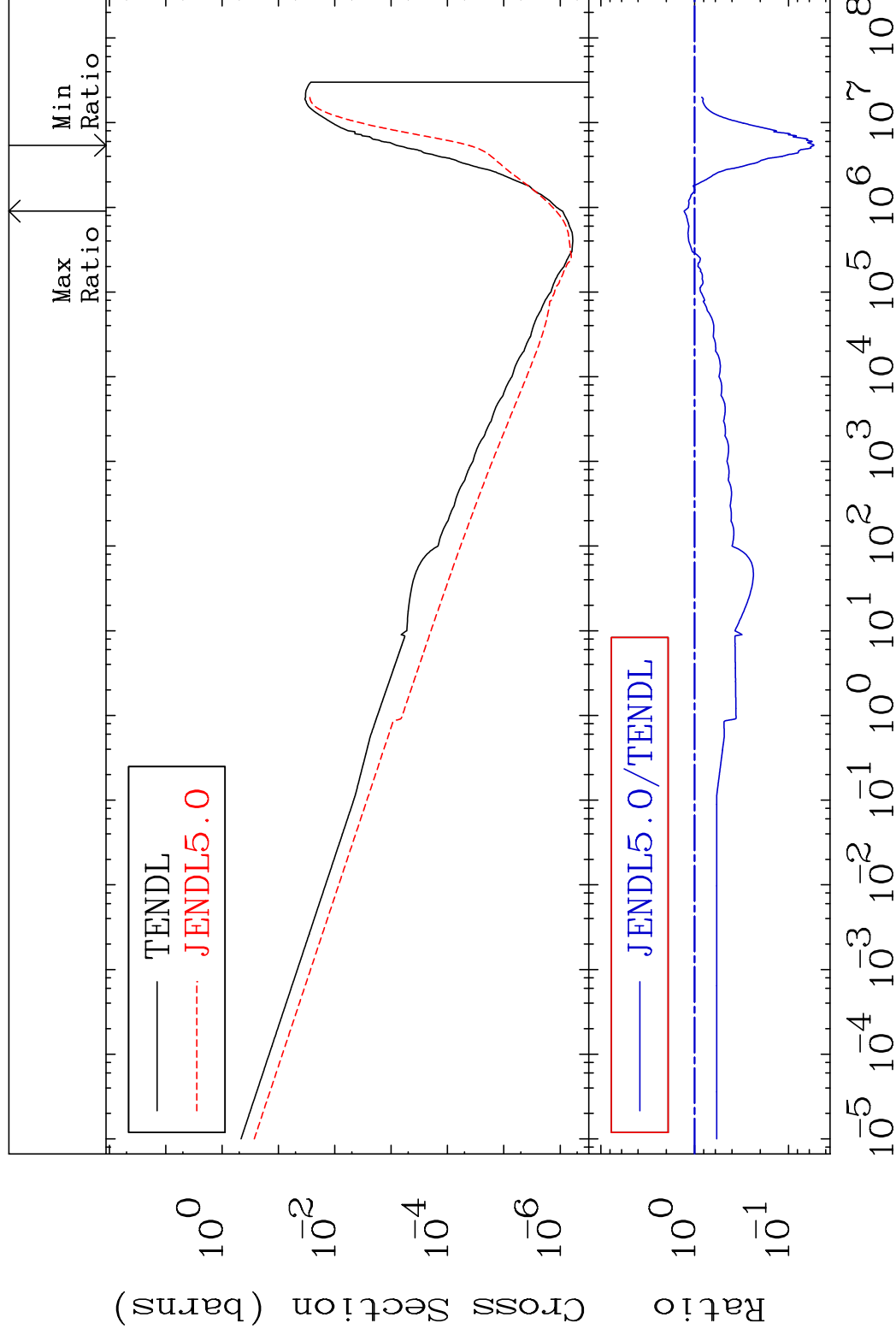
MAT 6328

(n, p)

63-Eu-152

Cross Section

-94.69 To 29.58 %



44

Incident Energy (eV)

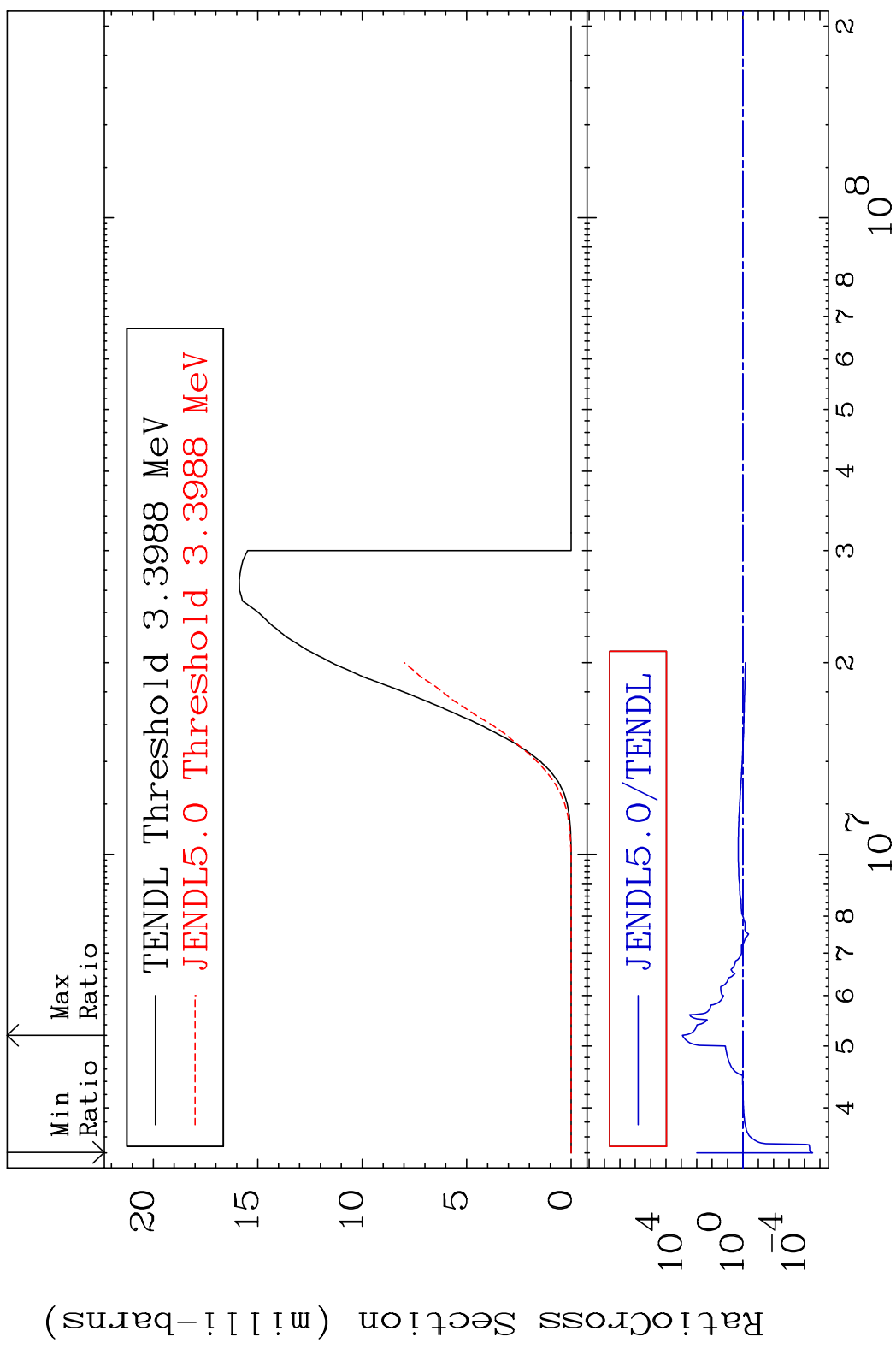
63-Eu-152

MAT 6328

(n,d)

63-Eu-152

Cross Section -100.0 To 9999. %

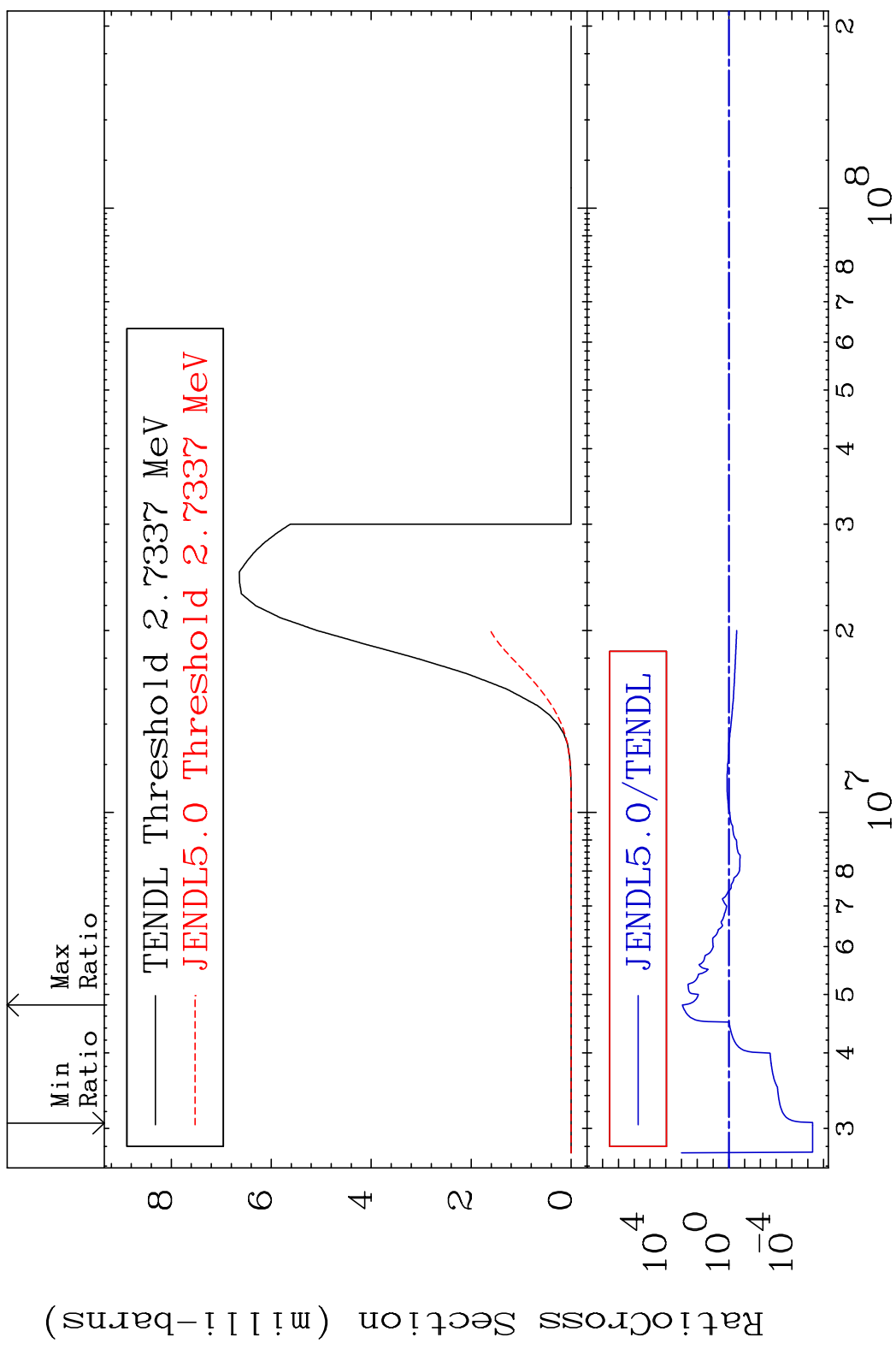


MAT 6328

(n, t)

63-Eu-152

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

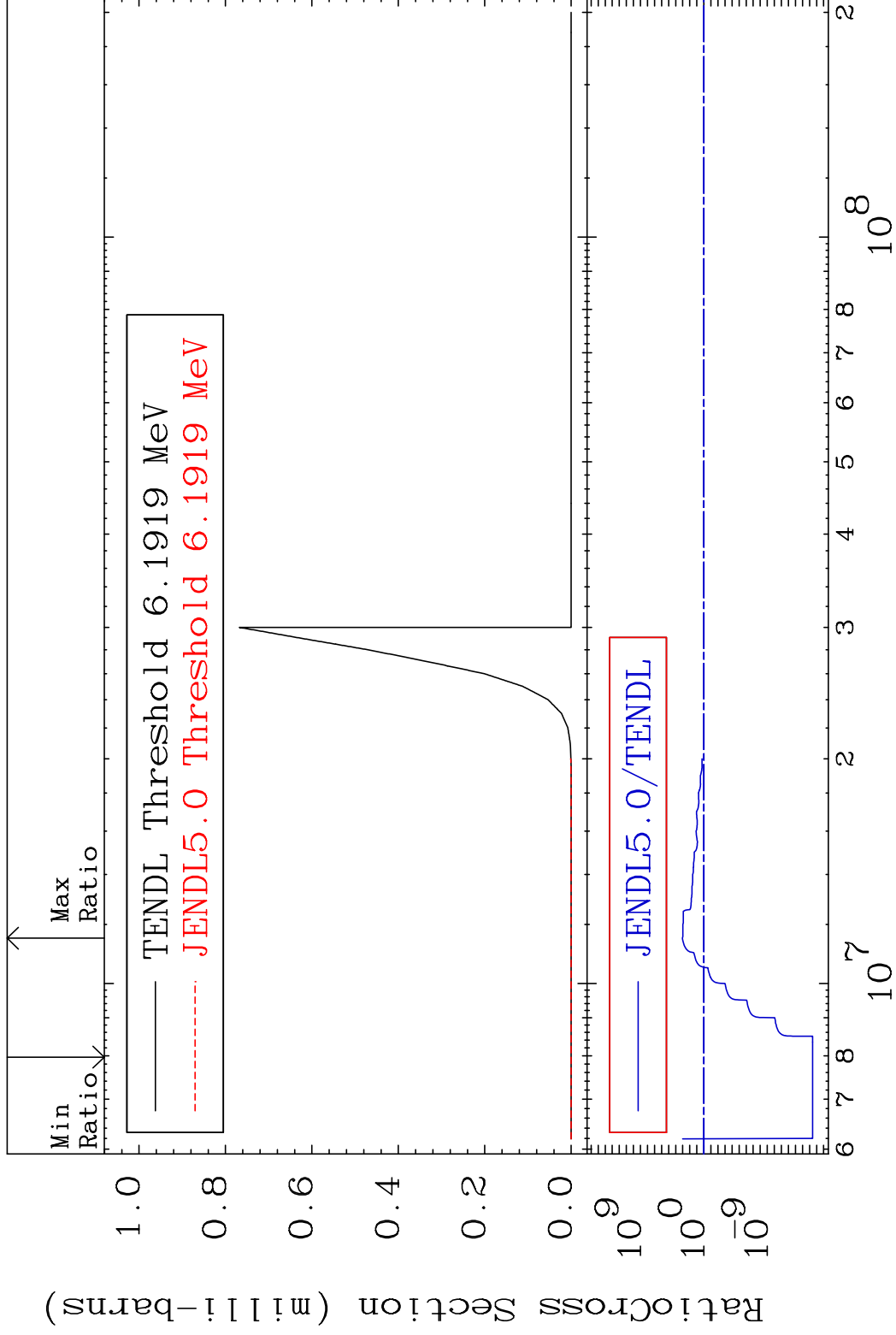
63-Eu-152

MAT 6328

(n, He-3)

63-Eu-152

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

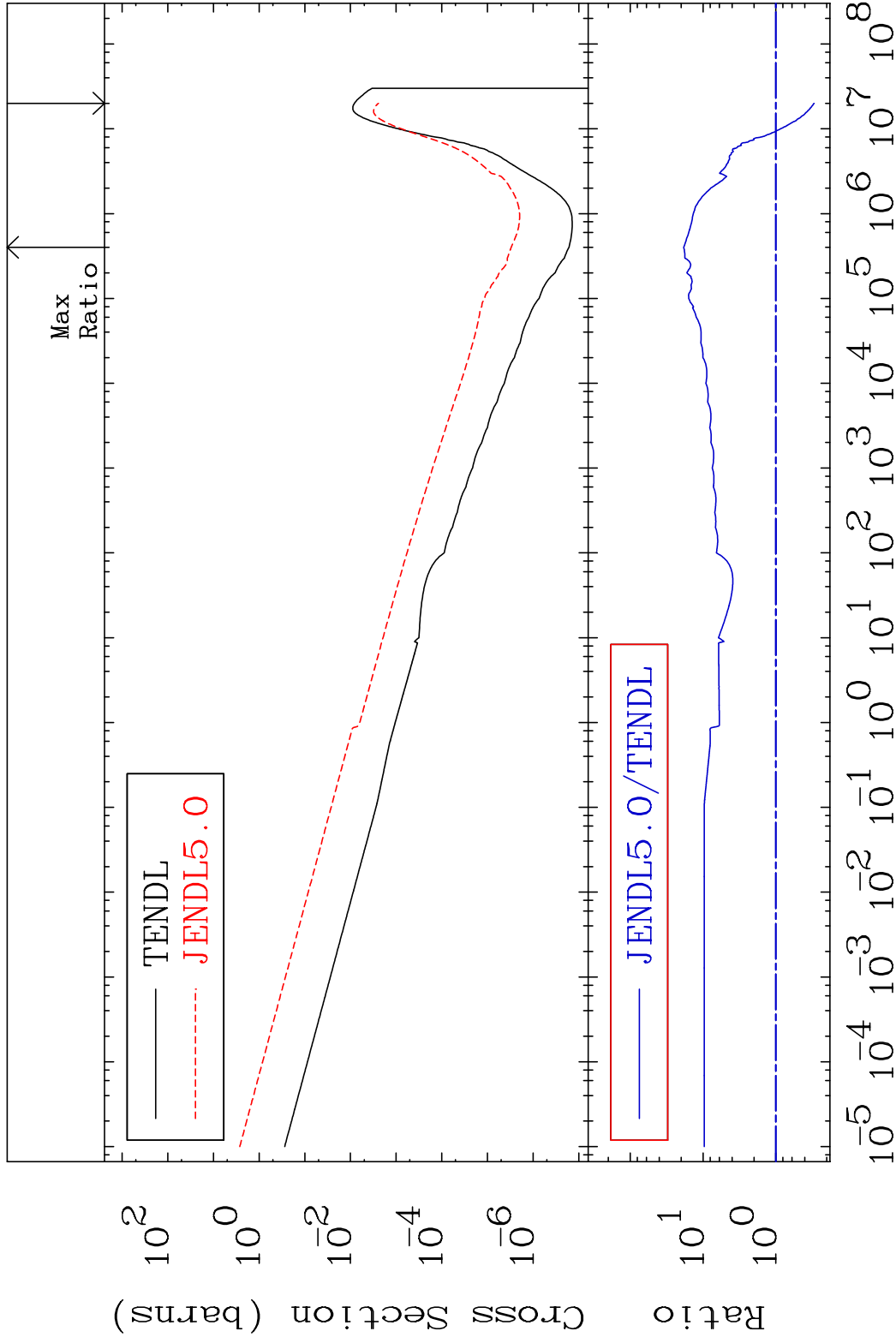
63-Eu-152

MAT 6328

(n, α)

63-Eu-152

Cross Section -70.16 To 1749. %



48

Incident Energy (eV)

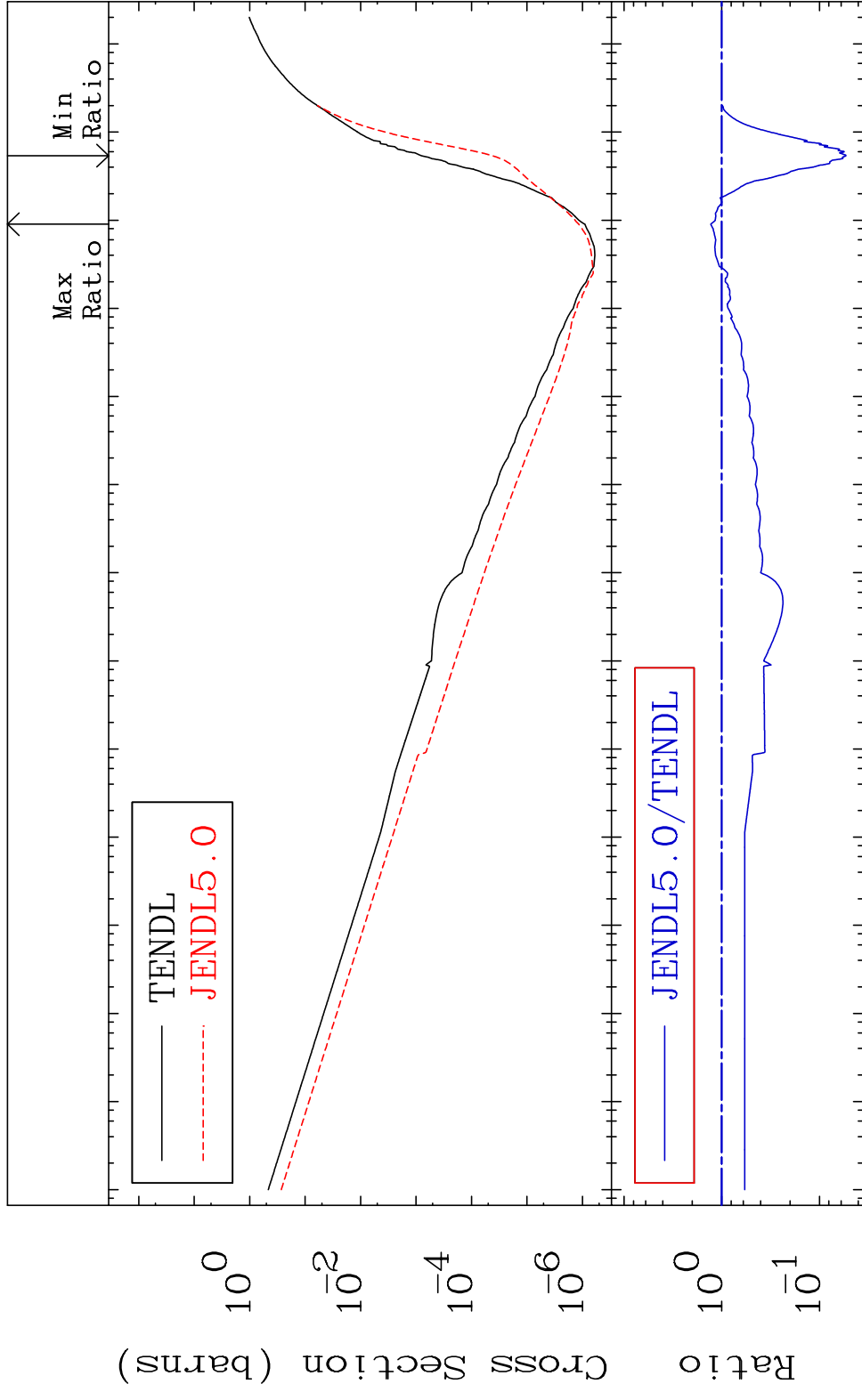
63-Eu-152

MAT 6328

Hydrogen Production

63-Eu-152

Cross Section -94.69 To 29.58 %



49

Incident Energy (eV)

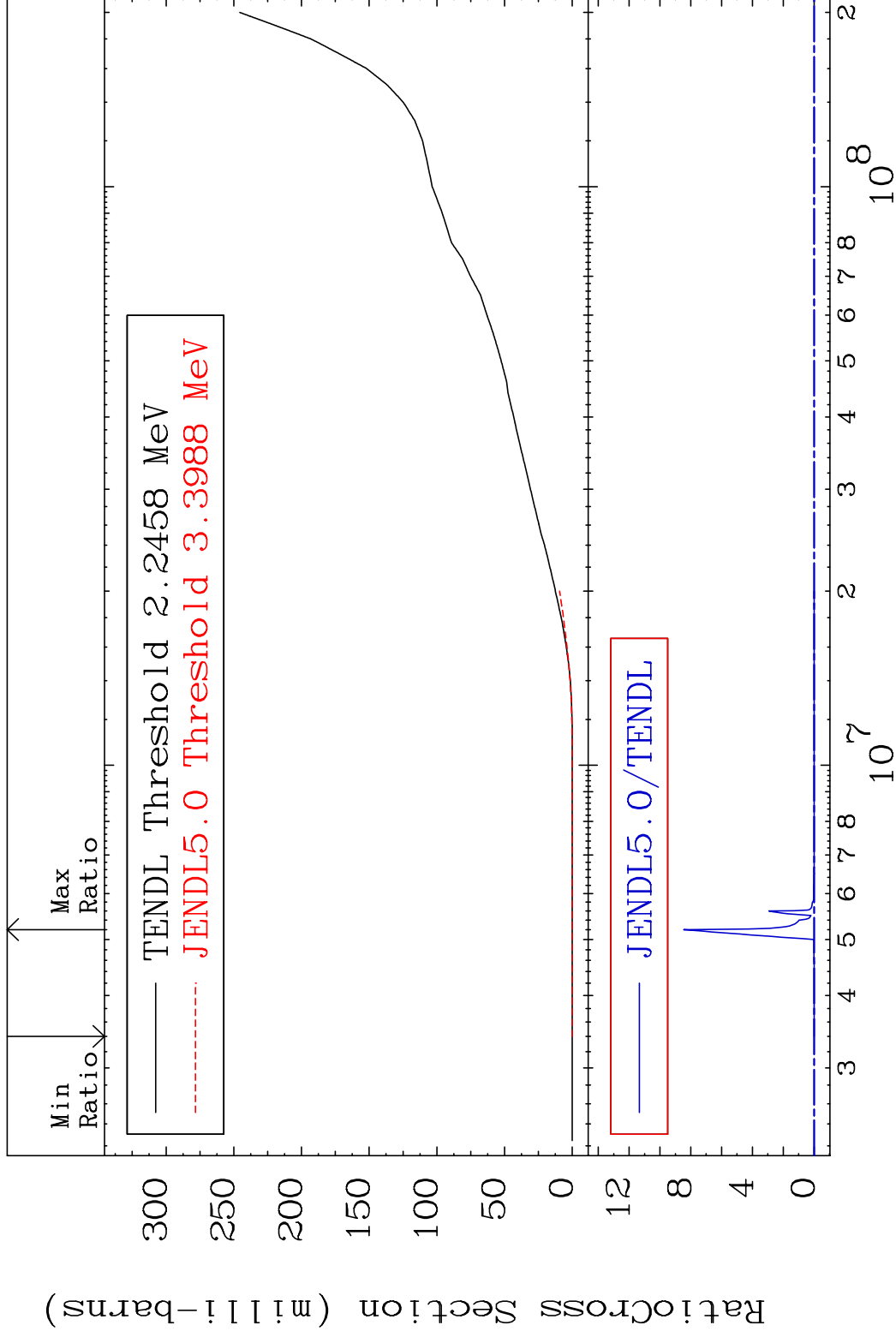
63-Eu-152

MAT 6328

Deuterium Production

63-Eu-152

Cross Section -100.0 To 9999. %

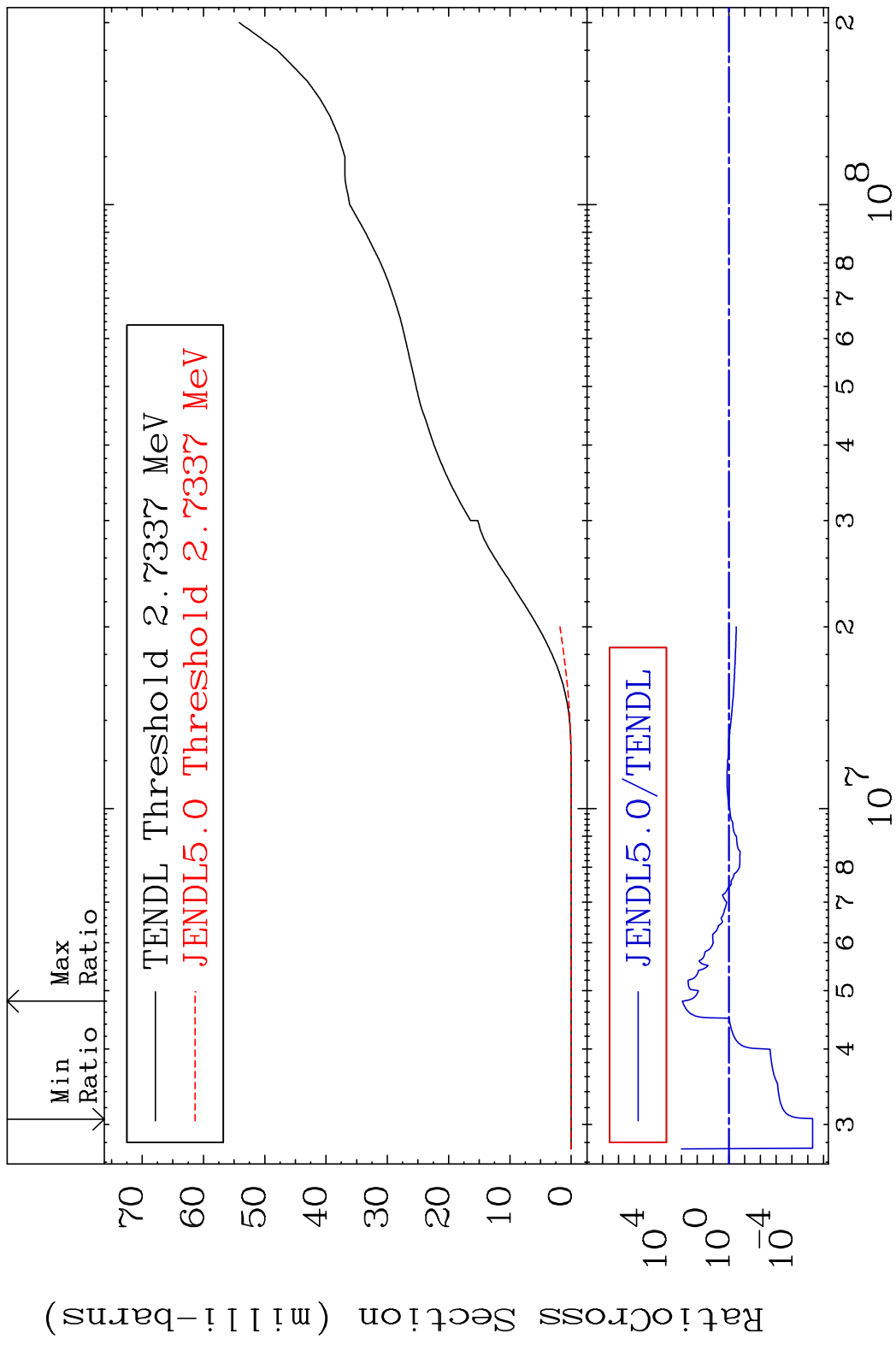


50

Incident Energy (eV)

63-Eu-152

MAT 6328 Tritium Production 63-Eu-152
 Cross Section -100.0 To 9999. %

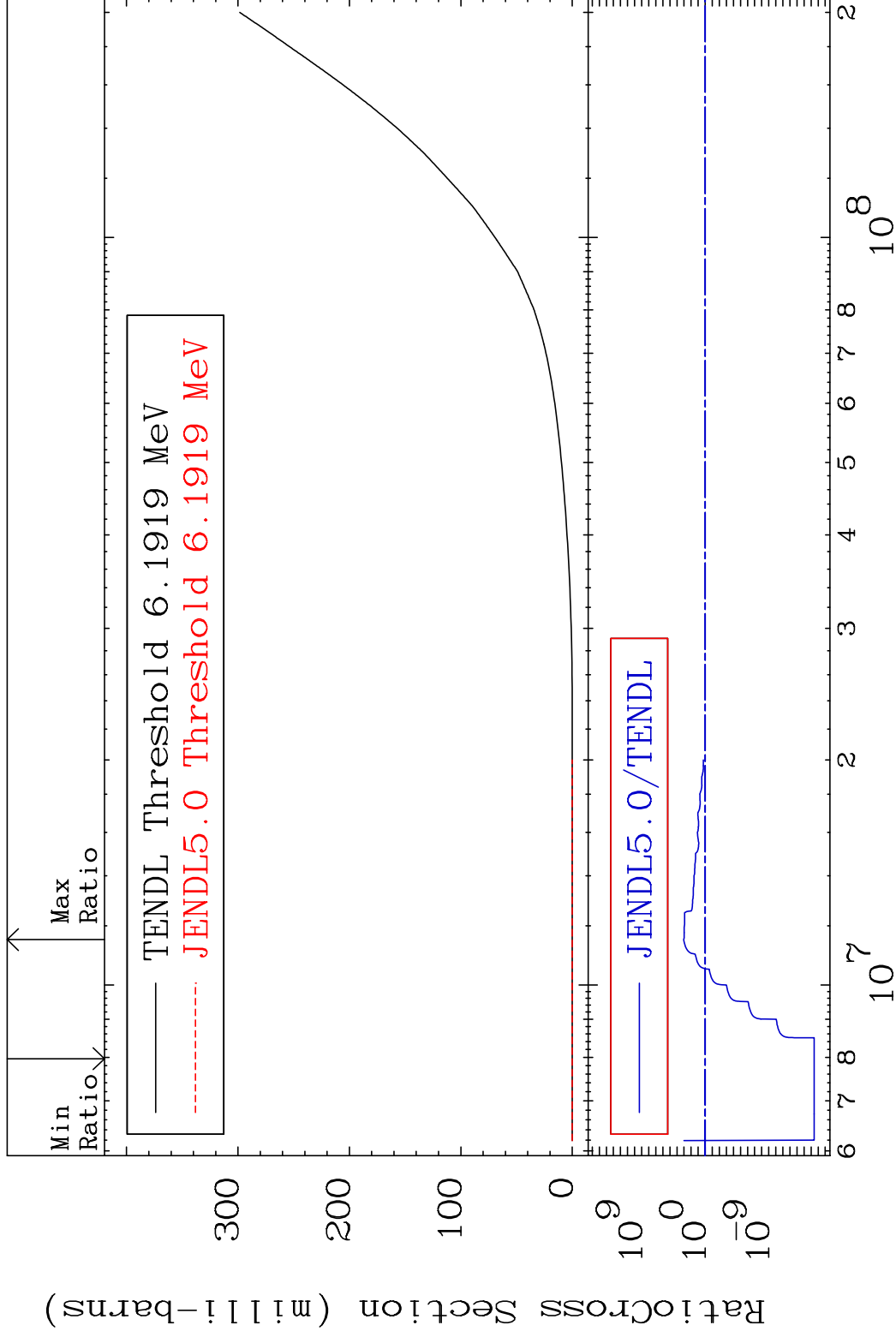


MAT 6328

He-3 Production

63-Eu-152

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

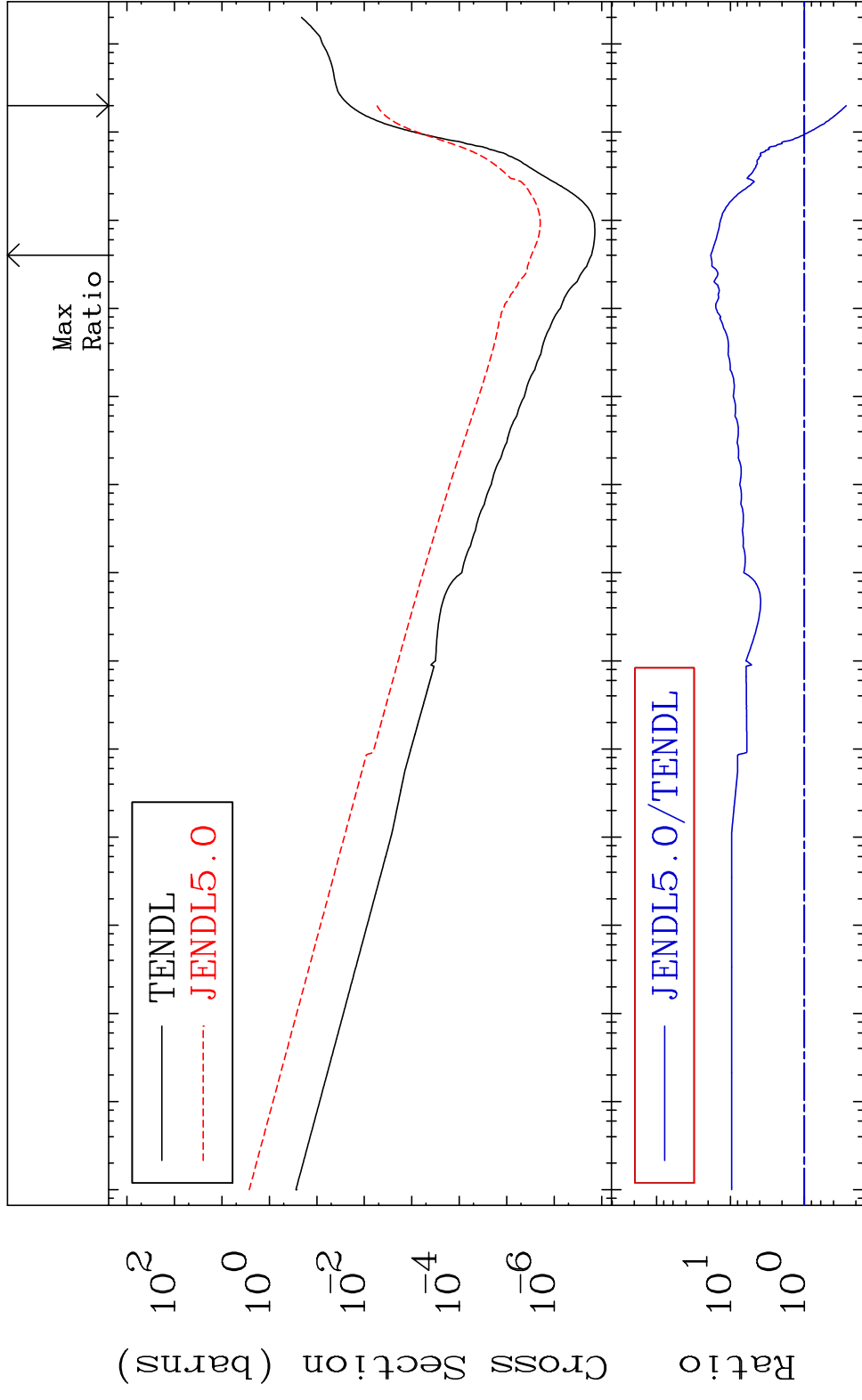
63-Eu-152

MAT 6328

He-4 Production

63-Eu-152

Cross Section -73.09 To 1749. %

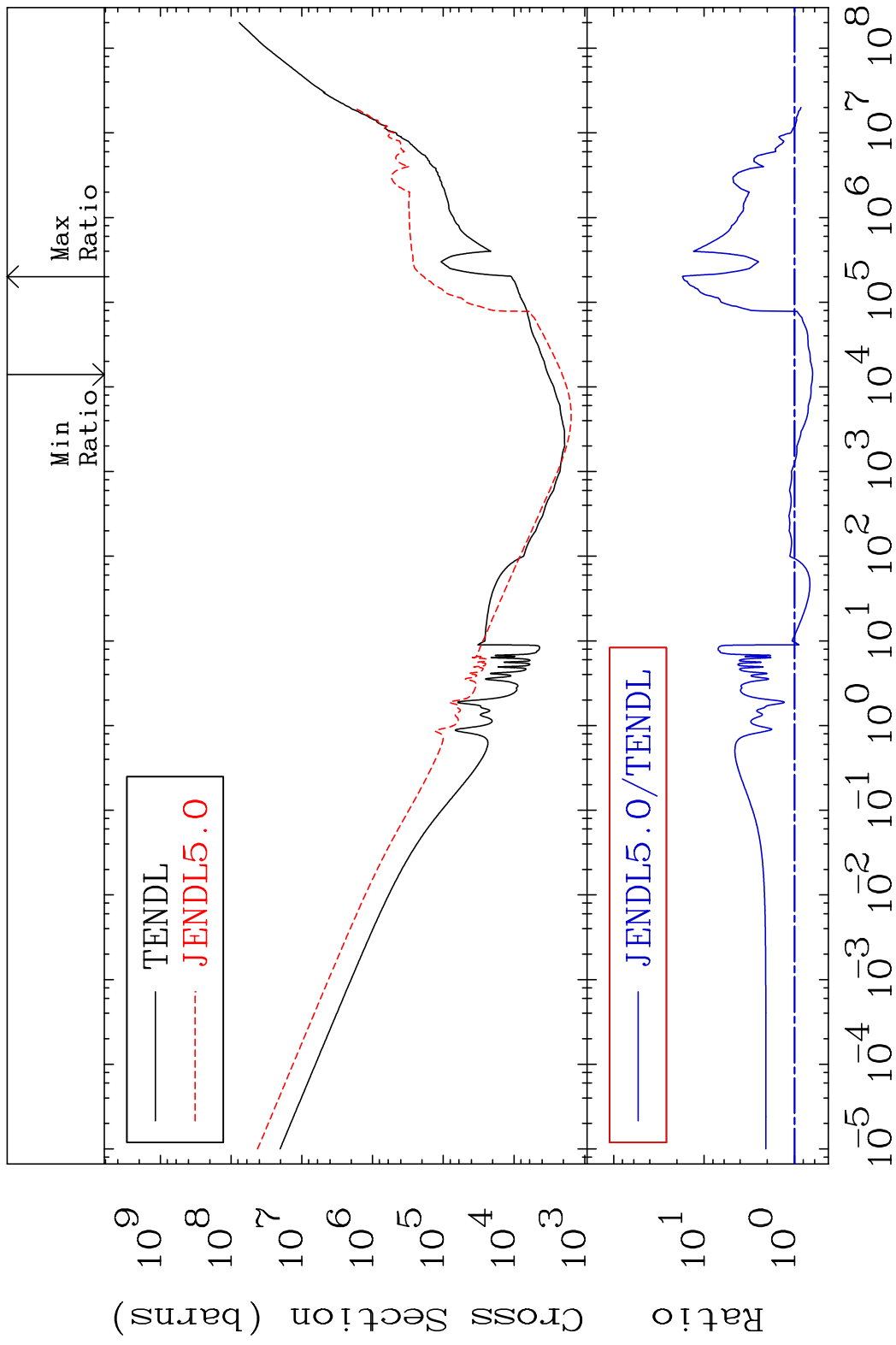


53

Incident Energy (eV)

63-Eu-152

MAT 6328 Kerma total (eV-barns) 63-Eu-152
 Cross Section -36.82 To 1641. %

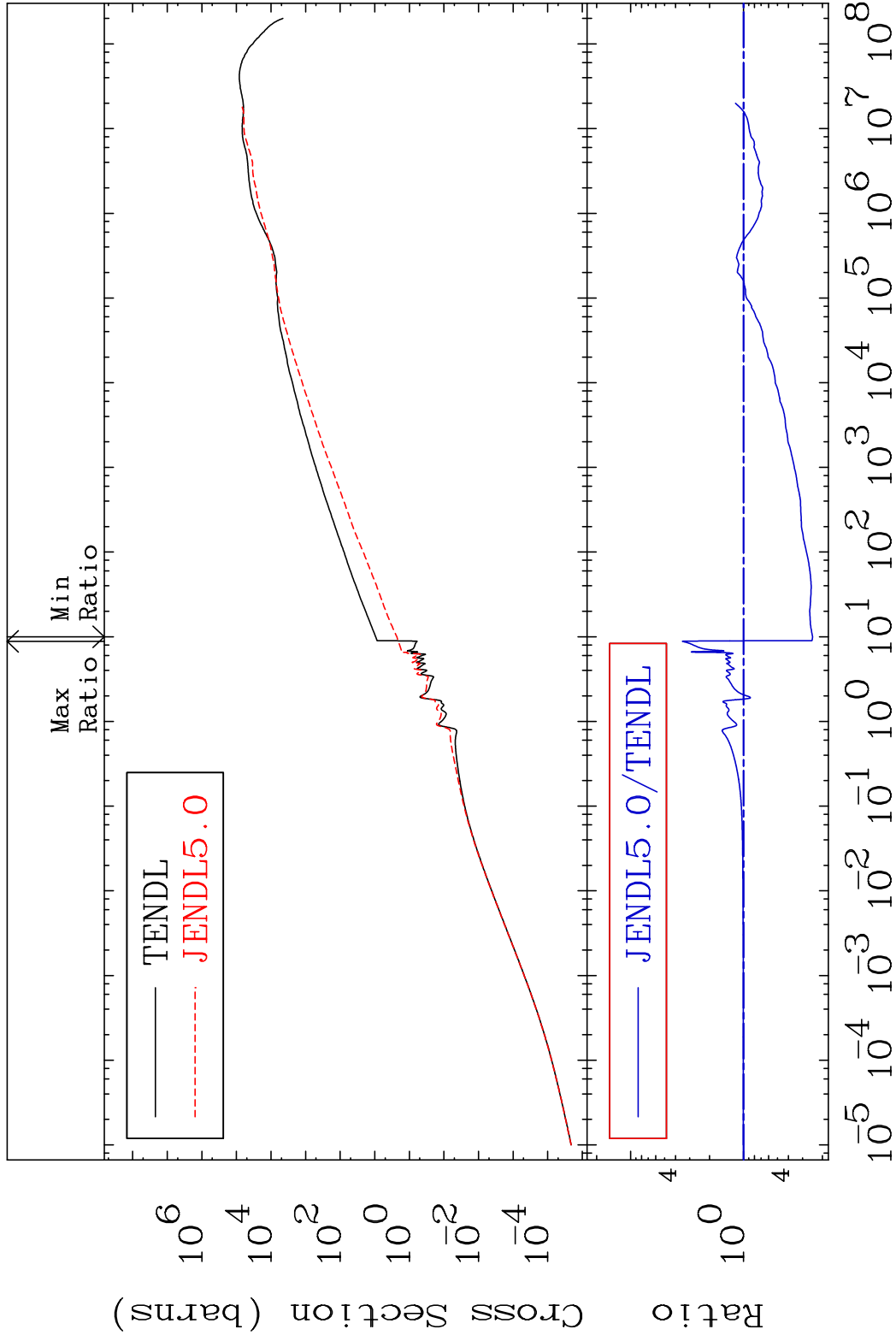


MAT 6328

Kerma elastic

63-Eu-152

Cross Section -75.51 To 248.4 %

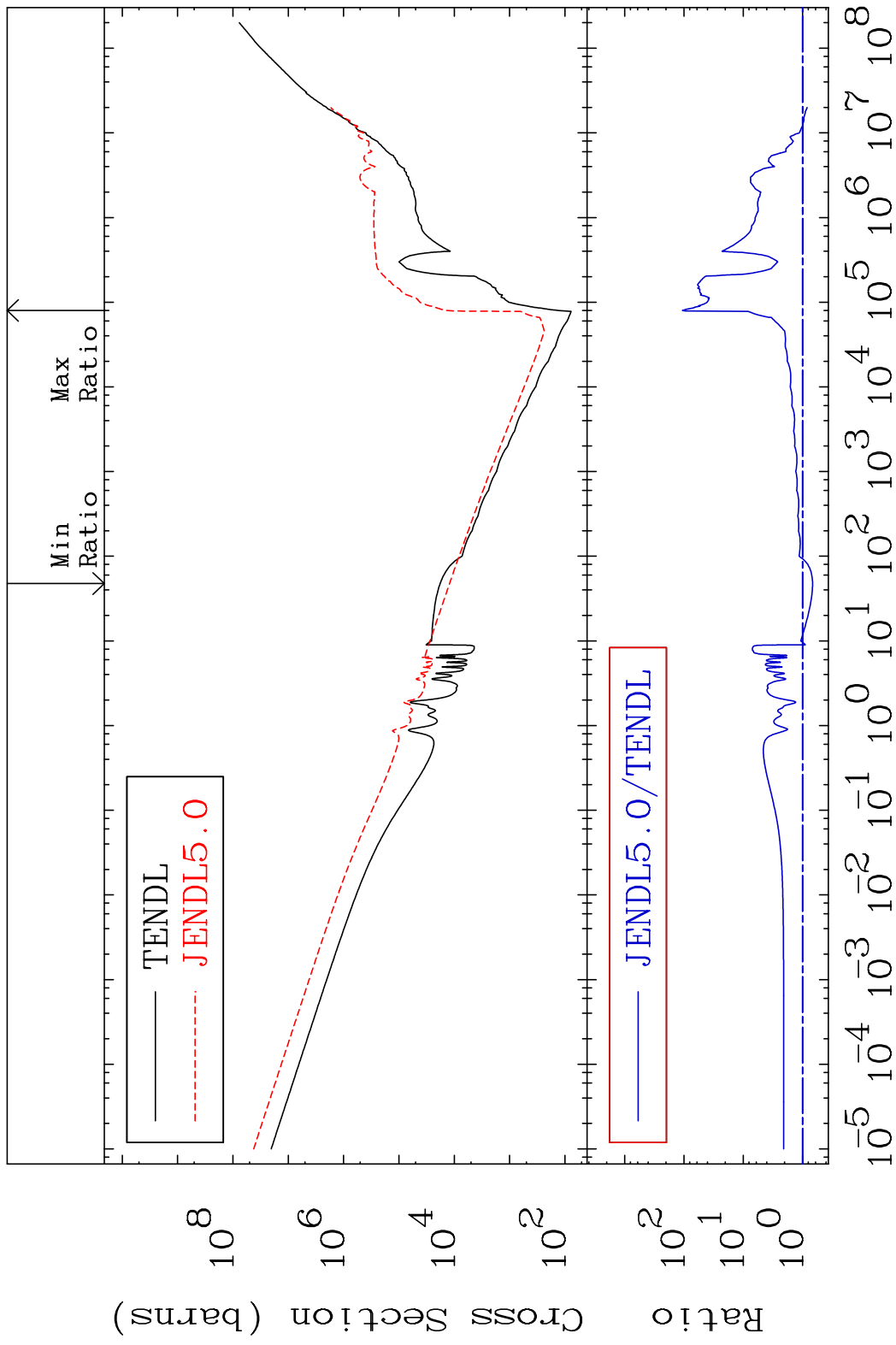


55

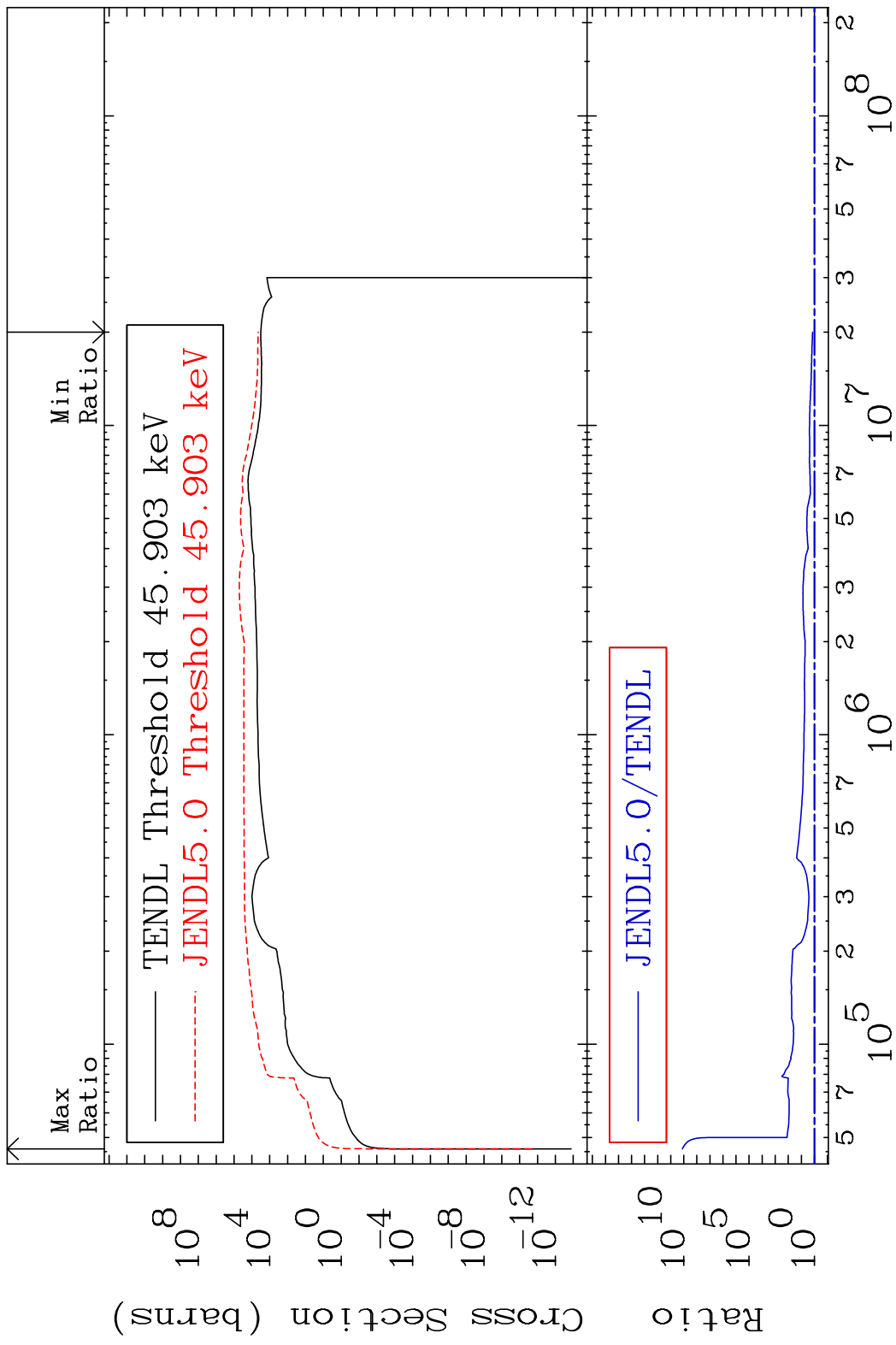
Incident Energy (eV)

63-Eu-152

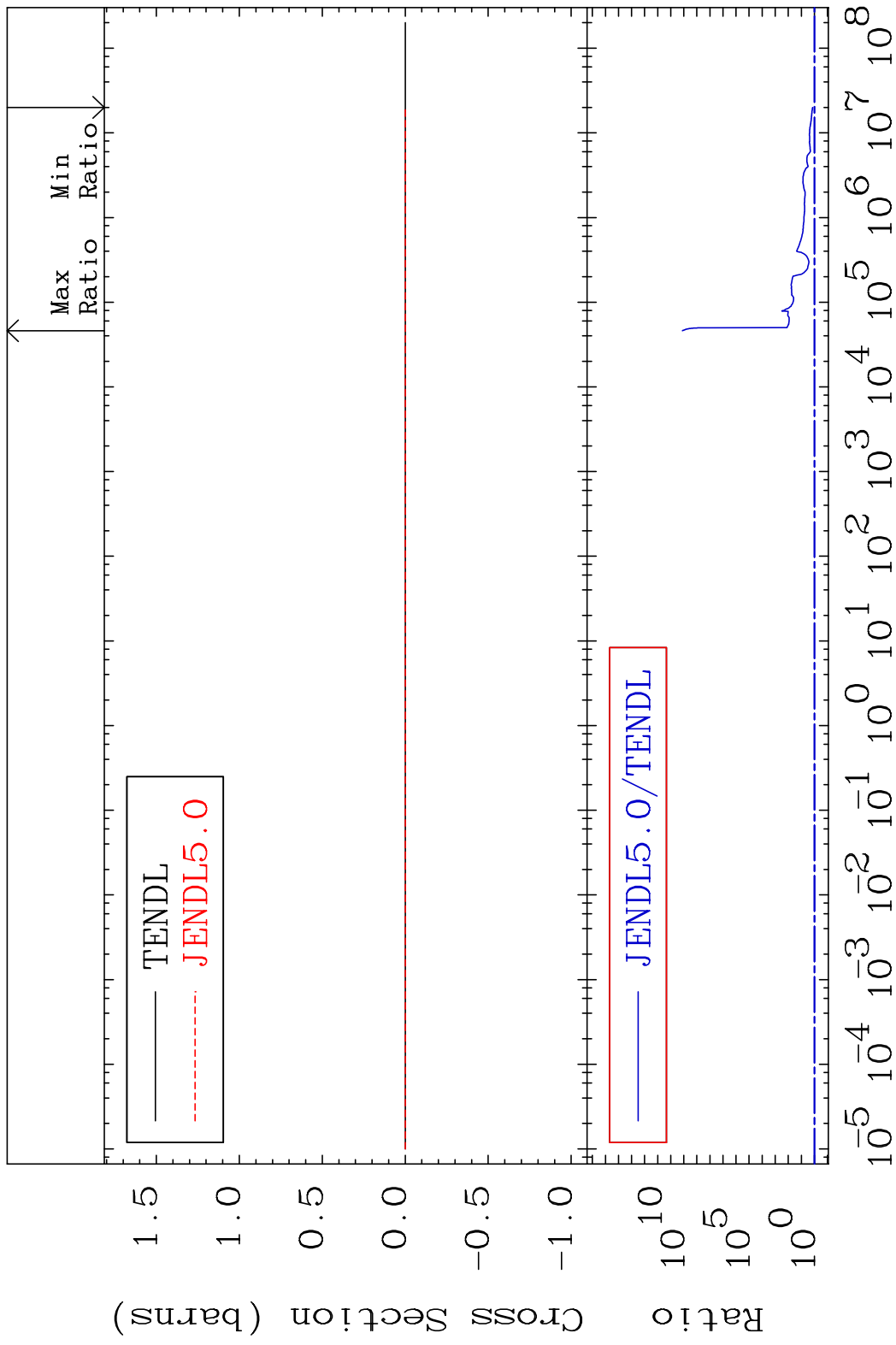
MAT 6328 Kerma non-elastic (all but mt2) 63-Eu-152
 Cross Section -32.36 To 9999. %



MAT 6328 Kerma inelastic (mt51-91) 63-Eu-152
 Cross Section 38.00 To 9999. %

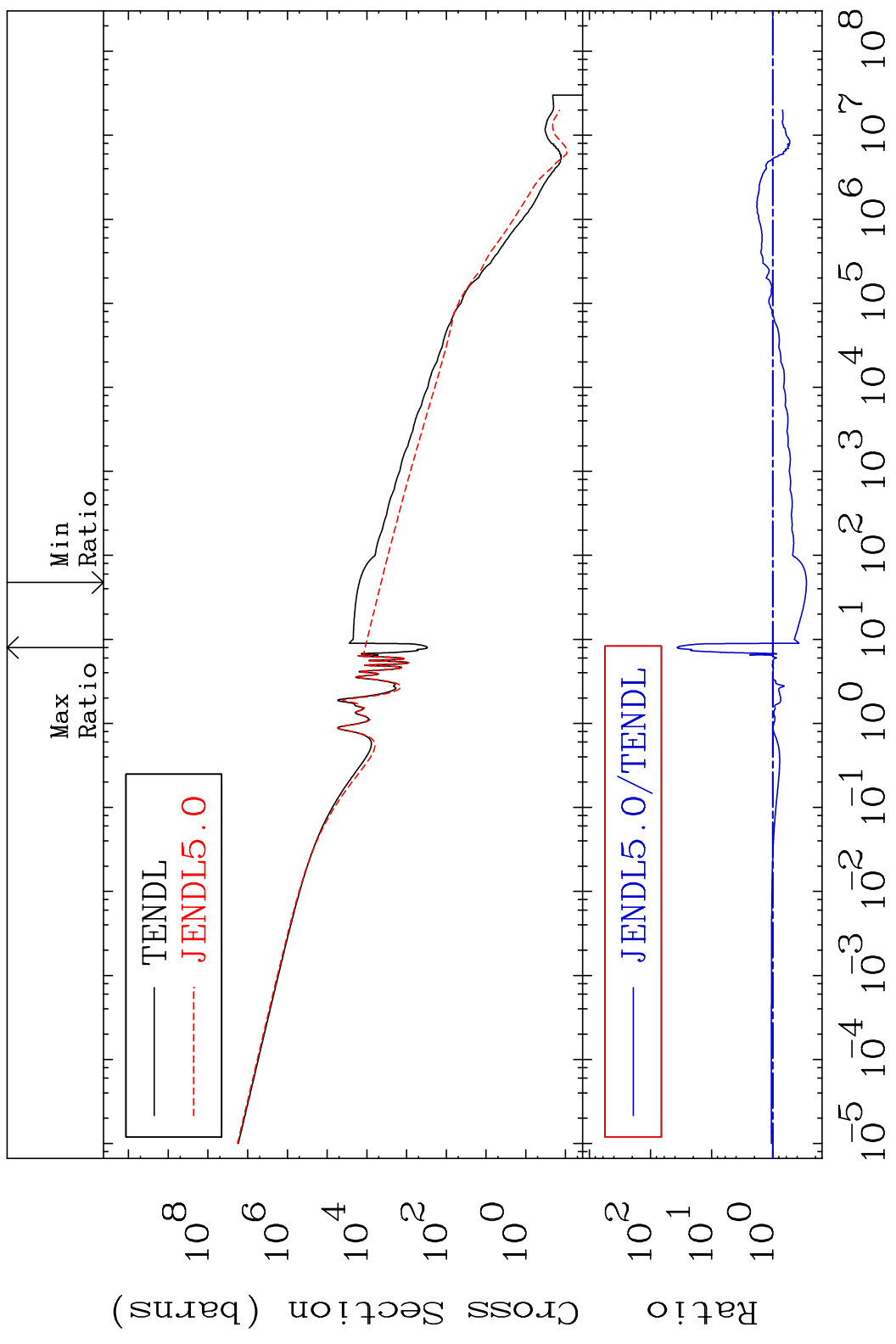


MAT 6328 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-152
 Cross Section 38.00 To 9999. %



MAT 6328

Kerma capture (mt102) 63-Eu-152
Cross Section -71.79 To 3569. %



59

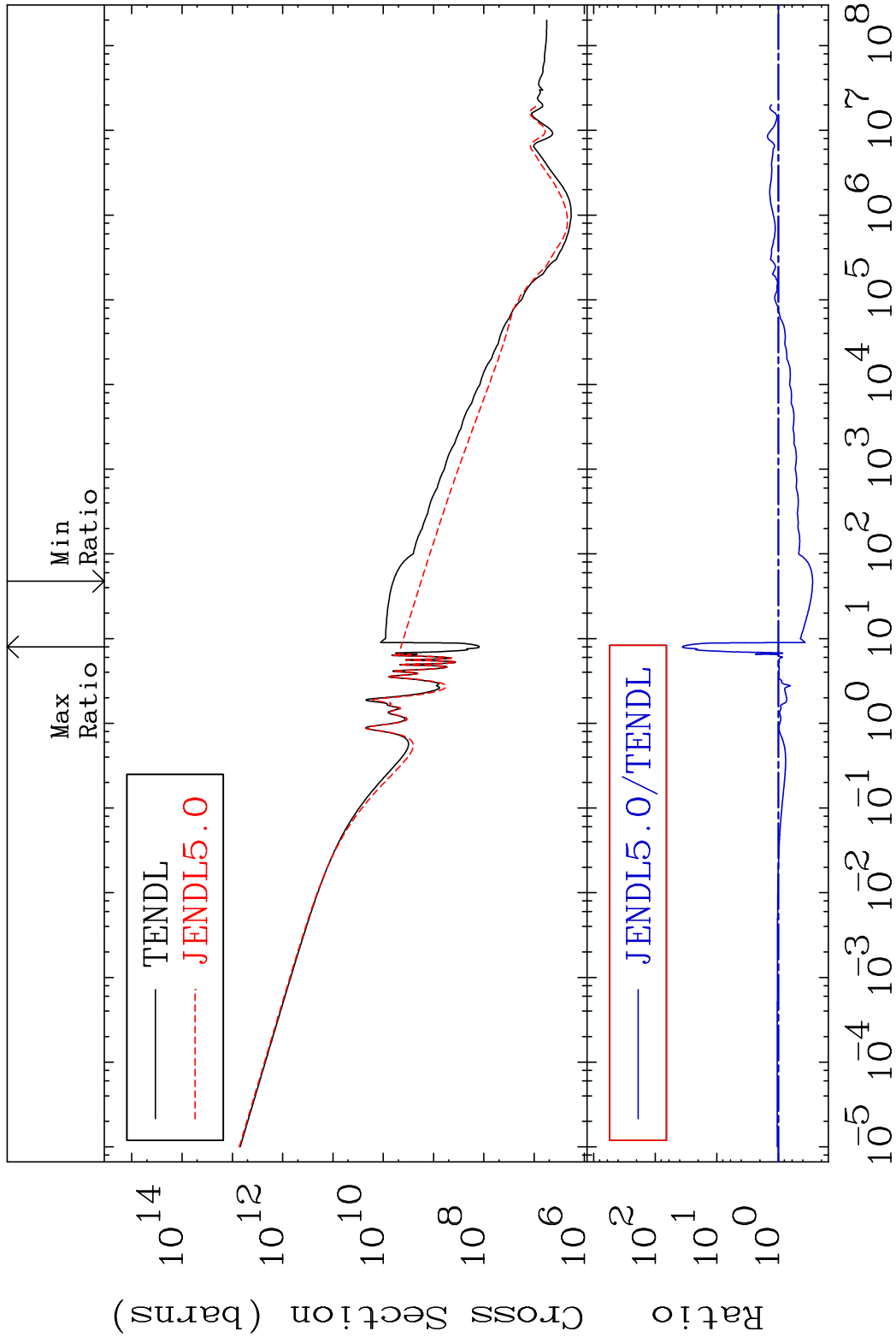
Incident Energy (eV) 63-Eu-152

MAT 6328

Total photon (eV-barns)

63-Eu-152

Cross Section -72.15 To 3522. %

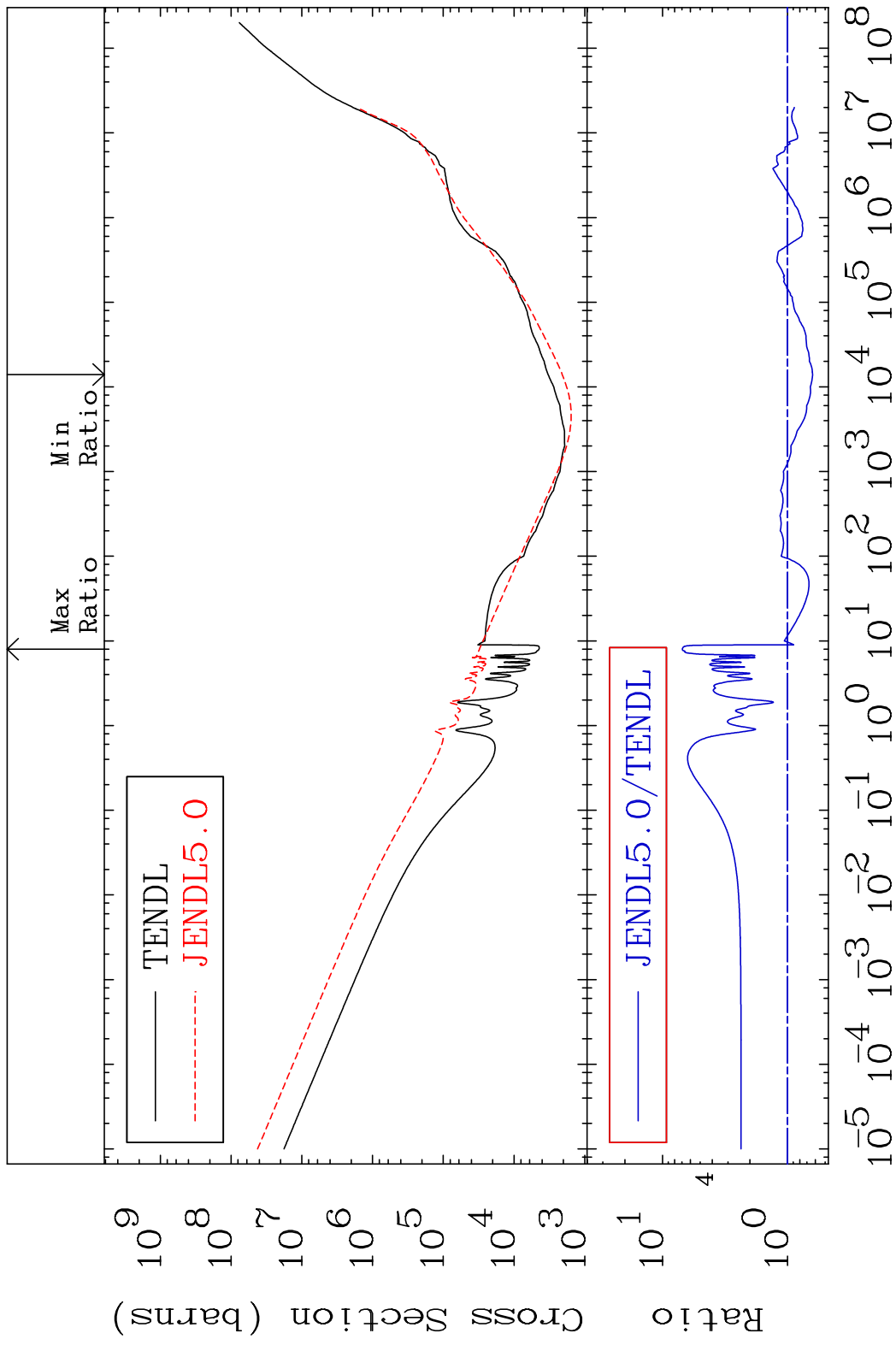


60

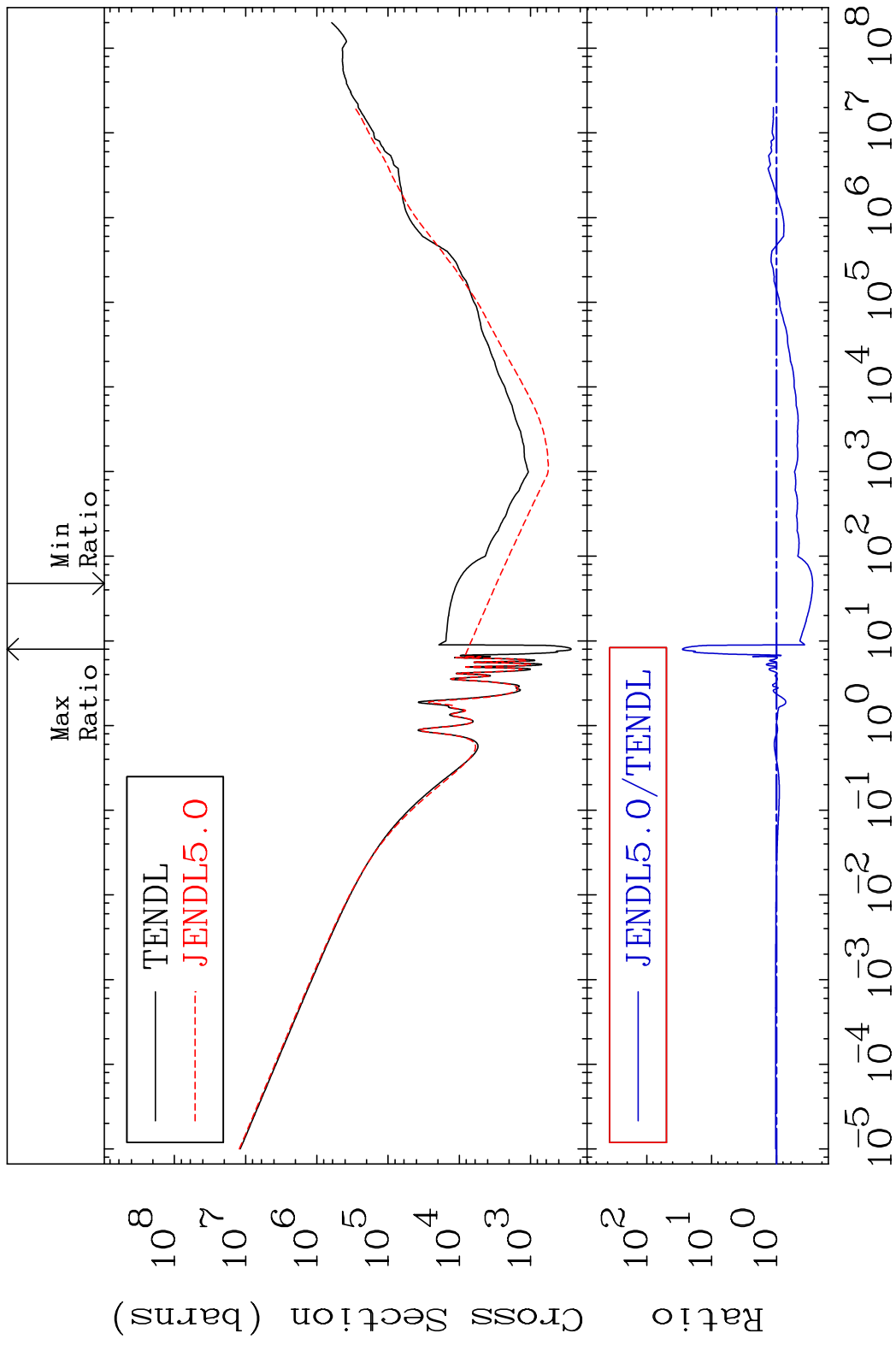
Incident Energy (eV)

63-Eu-152

MAT 6328 Total kinematic kerma (high limit) 63-Eu-152
 Cross Section -36.83 To 594.1 %



MAT 6328 Dpa total (eV-barns) 63-Eu-152
 Cross Section -72.08 To 2725. %



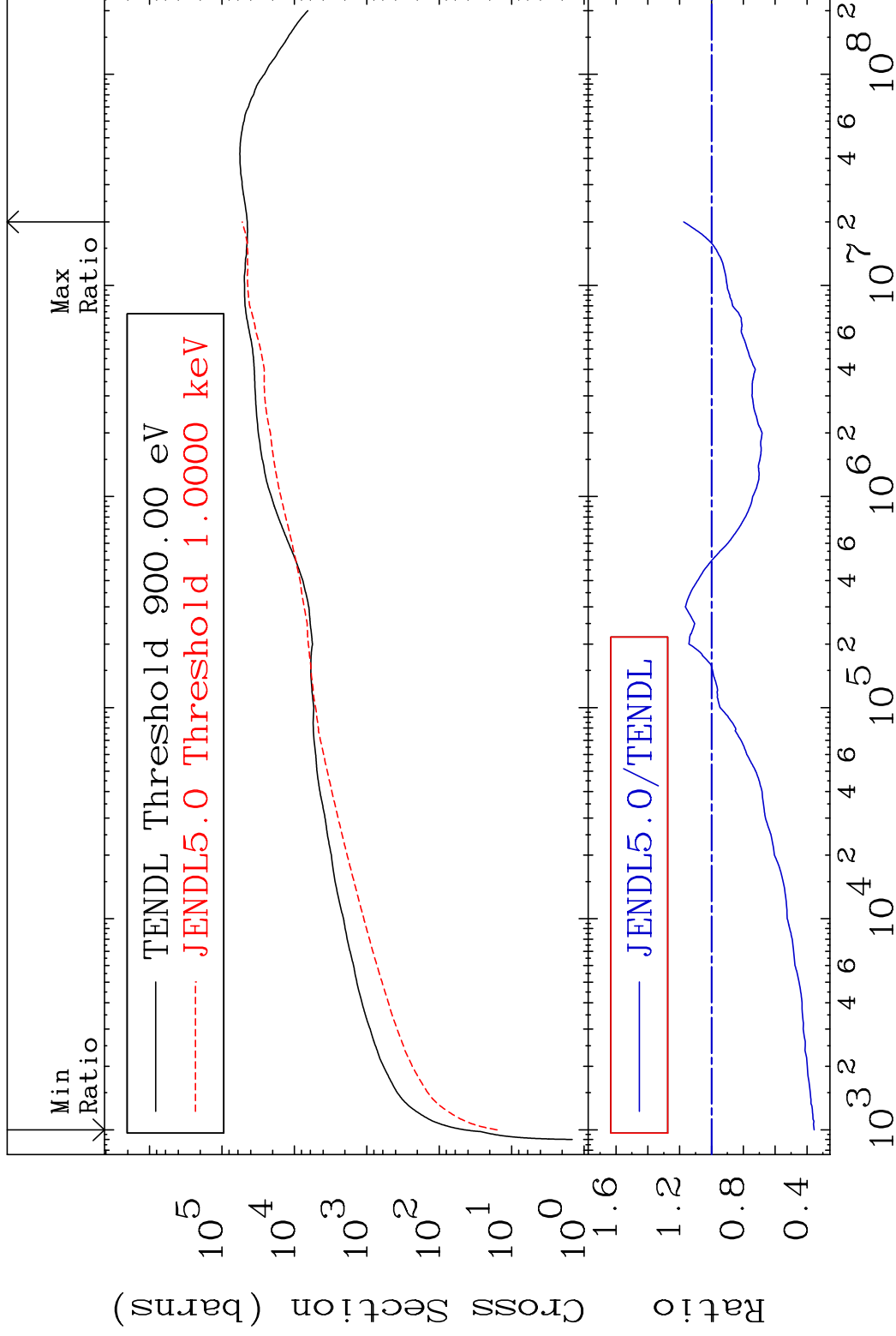
62 Incident Energy (eV) 63-Eu-152

MAT 6328

Dpa elastic (mt2)

63-Eu-152

Cross Section -64.48 To 17.49 %

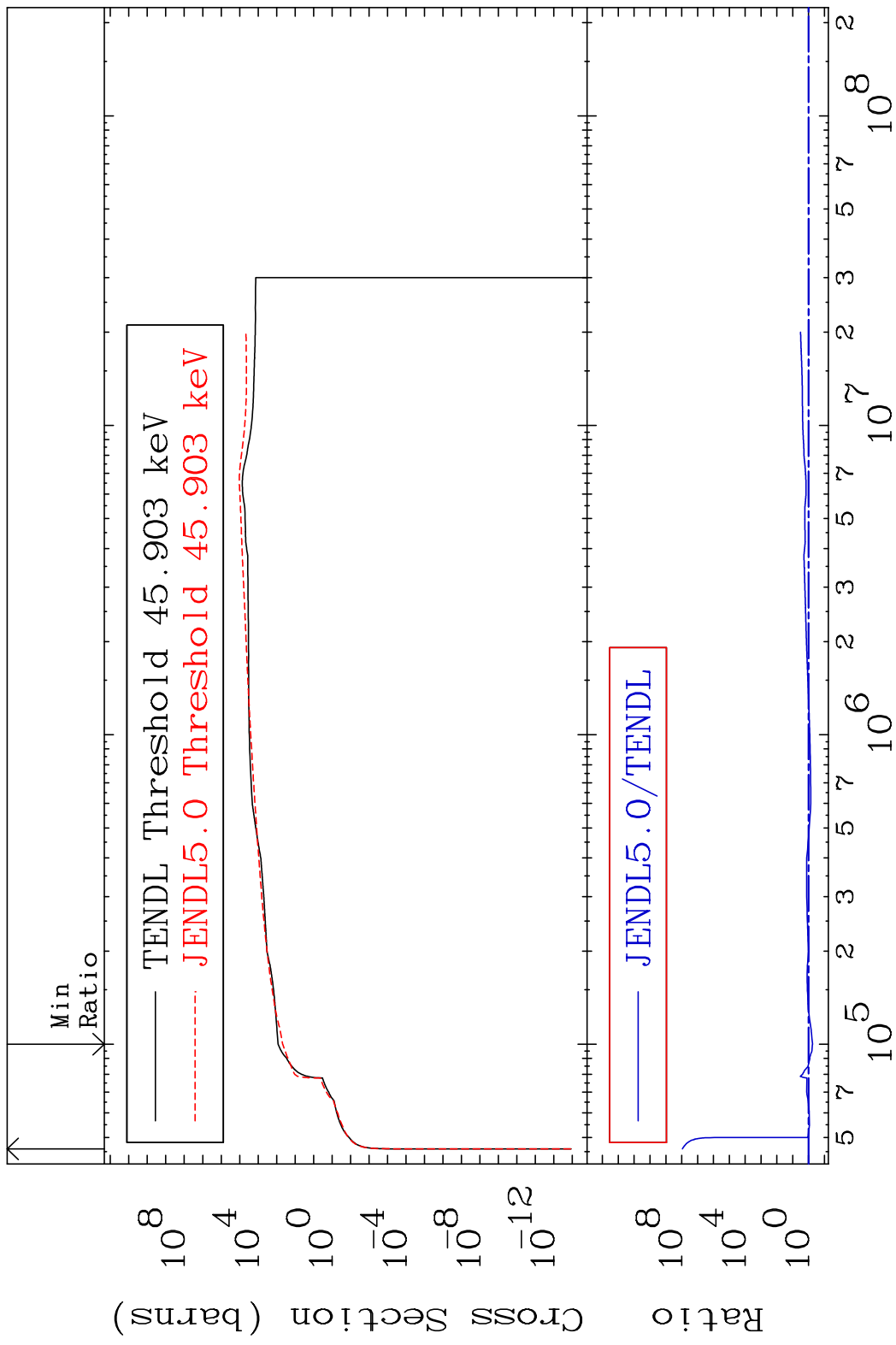


63

Incident Energy (eV)

63-Eu-152

MAT 6328 Dpa inelastic (mt51-91) 63-Eu-152
 Cross Section -44.41 To 9999. %



MAT 6328 Dpa disappearance (mt102 -120) 63-Eu-152
 Cross Section -76.72 To 2725. %

