

Program Complot
(Version 2021-1)

by

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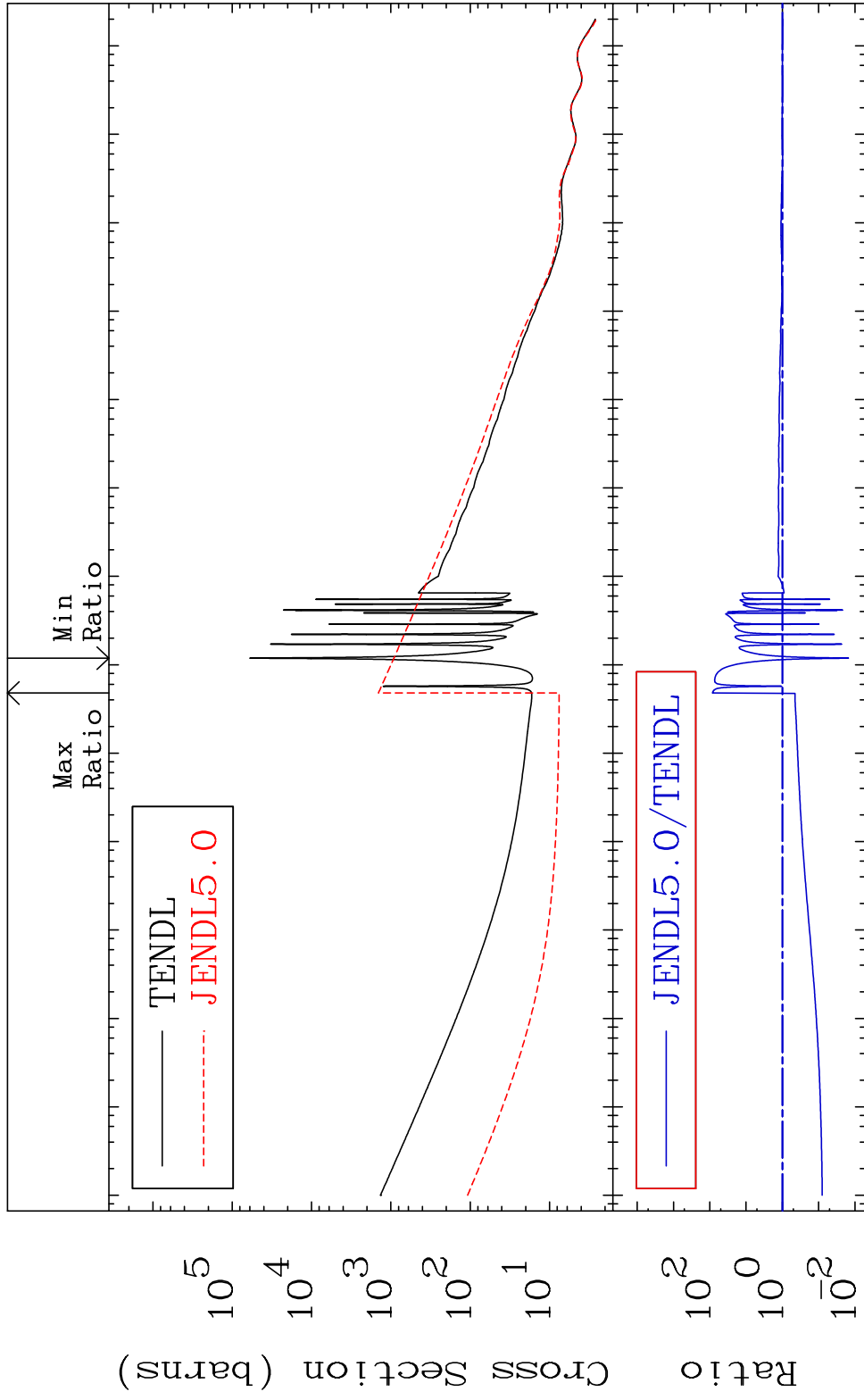
Press Mouse Button to Start

MAT 7046

Total

70-Yb-175

Cross Section -98.47 To 8388. %



1

Incident Energy (eV)

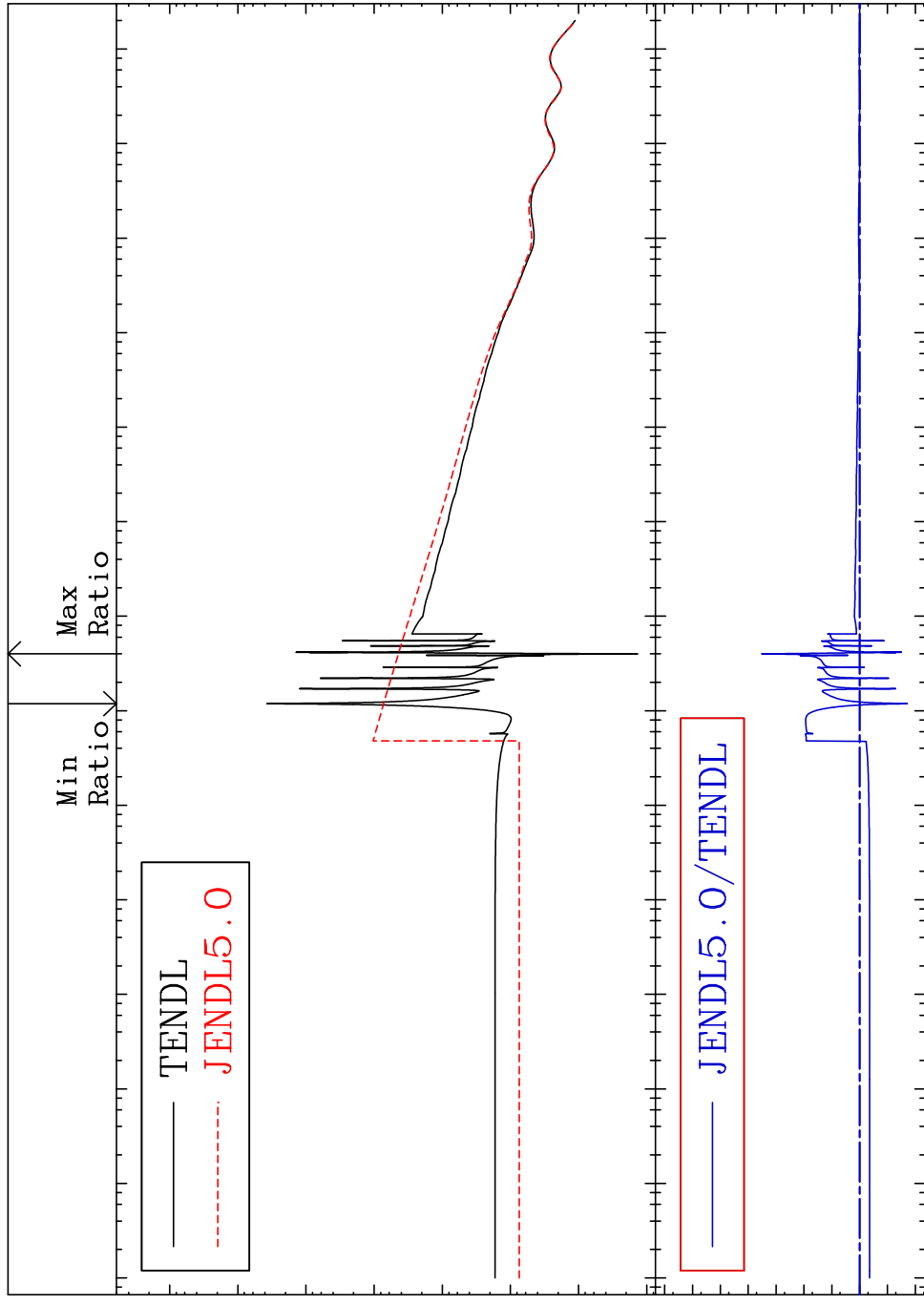
70-Yb-175

MAT 7046

Elastic

70-Yb-175

Cross Section -98.04 To 9999. %



Cross Section (barns)

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

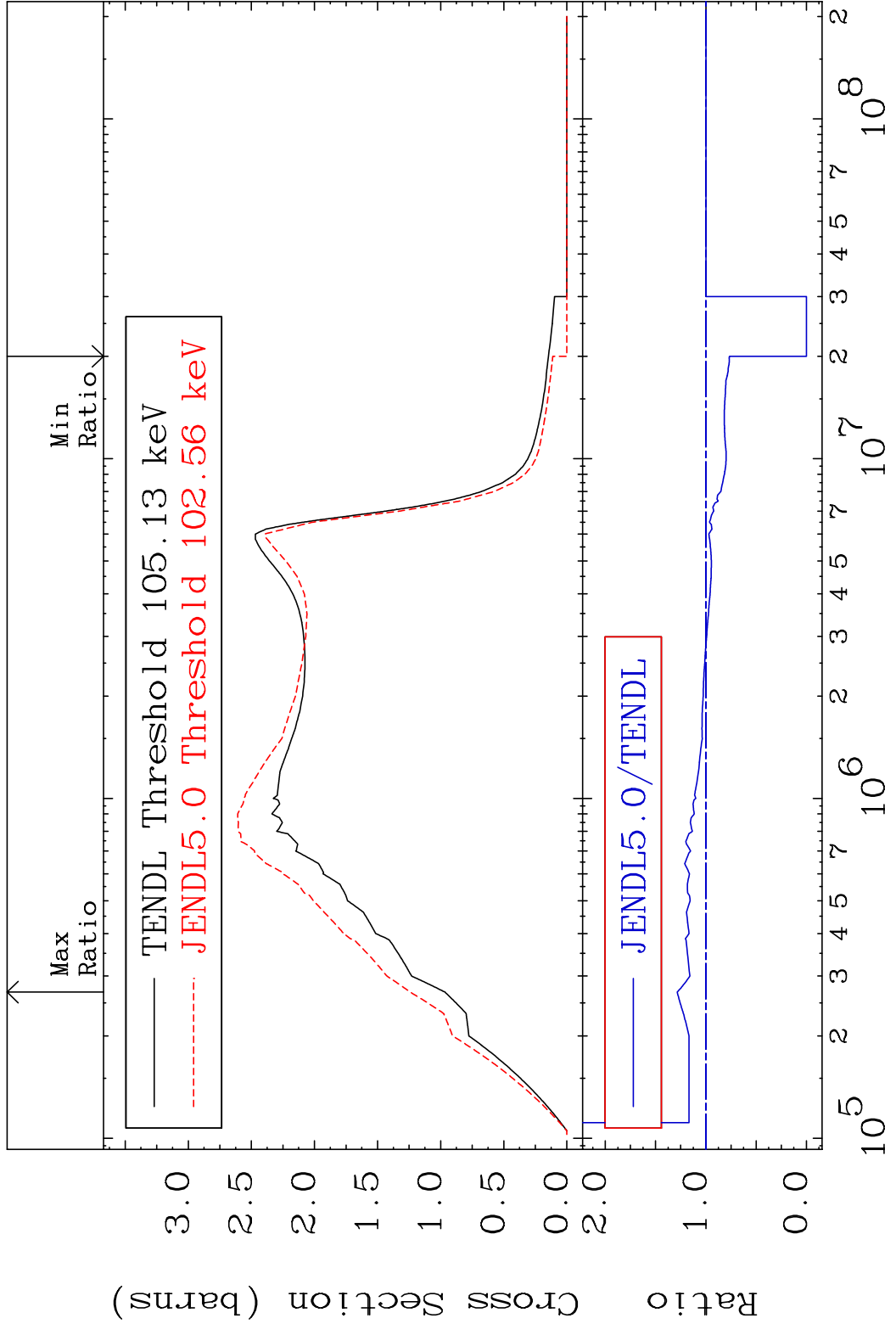
Ratio

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

MAT 7046 Inelastic Cross Section -100.0 To 28.51 % 70-Yb-175



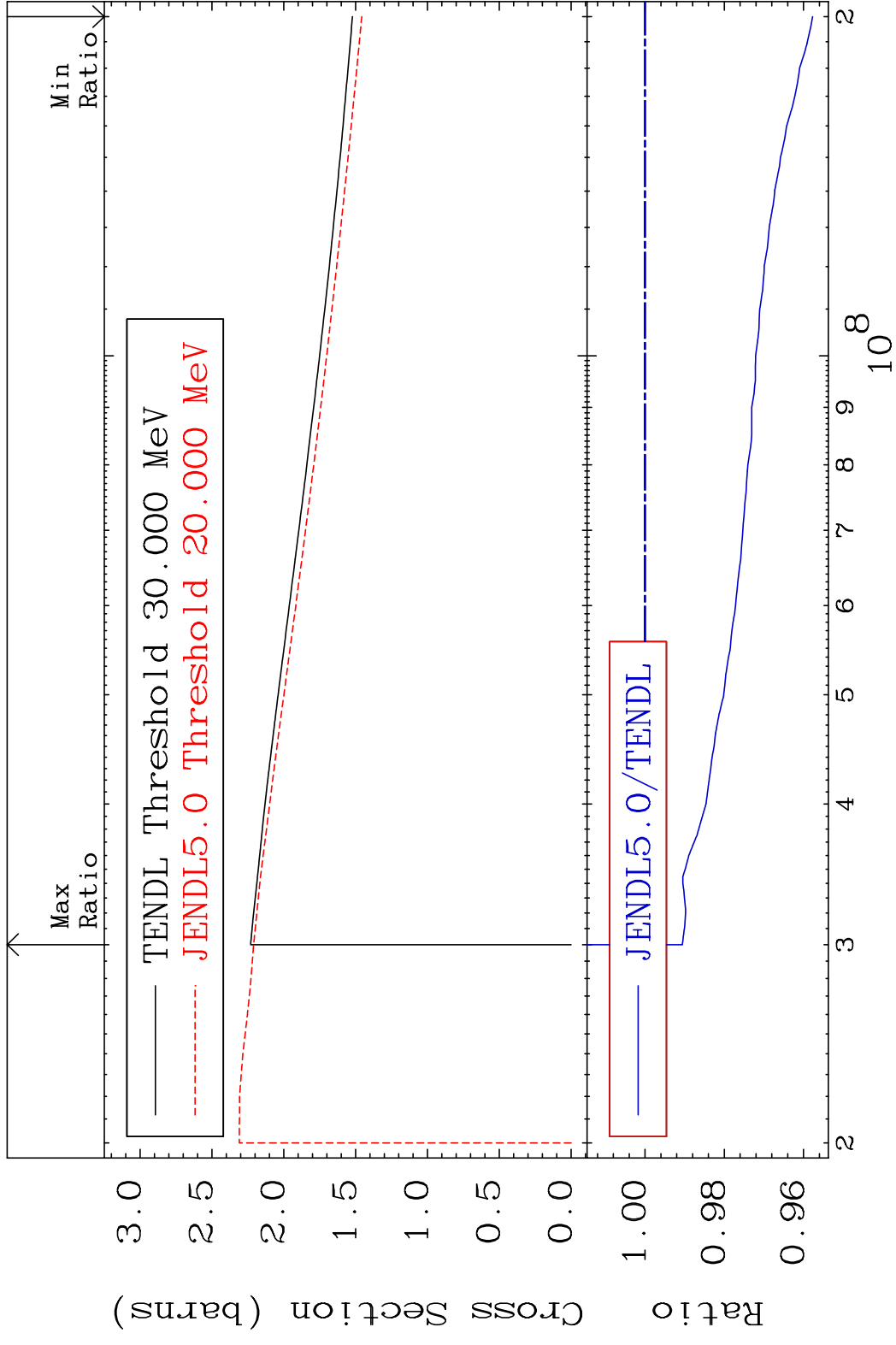
3 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 2 70-Yb-175

MAT 7046

(n, remainder)

70-Yb-175

Cross Section -4.226 To -0.942%

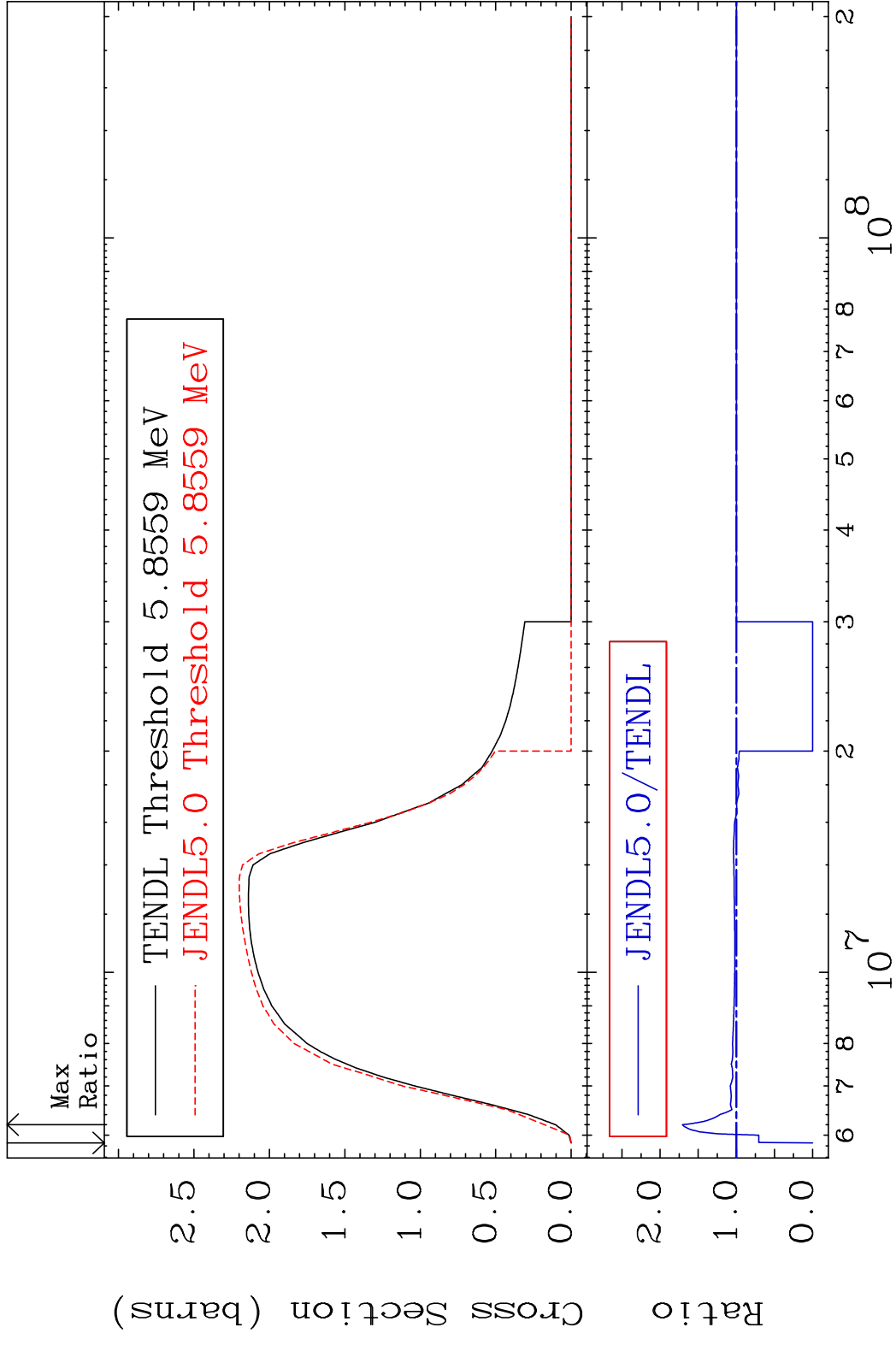


4

Incident Energy (eV)

70-Yb-175

MAT 7046 (n,2n) 70-Yb-175
 Cross Section -100.0 To 70.83 %



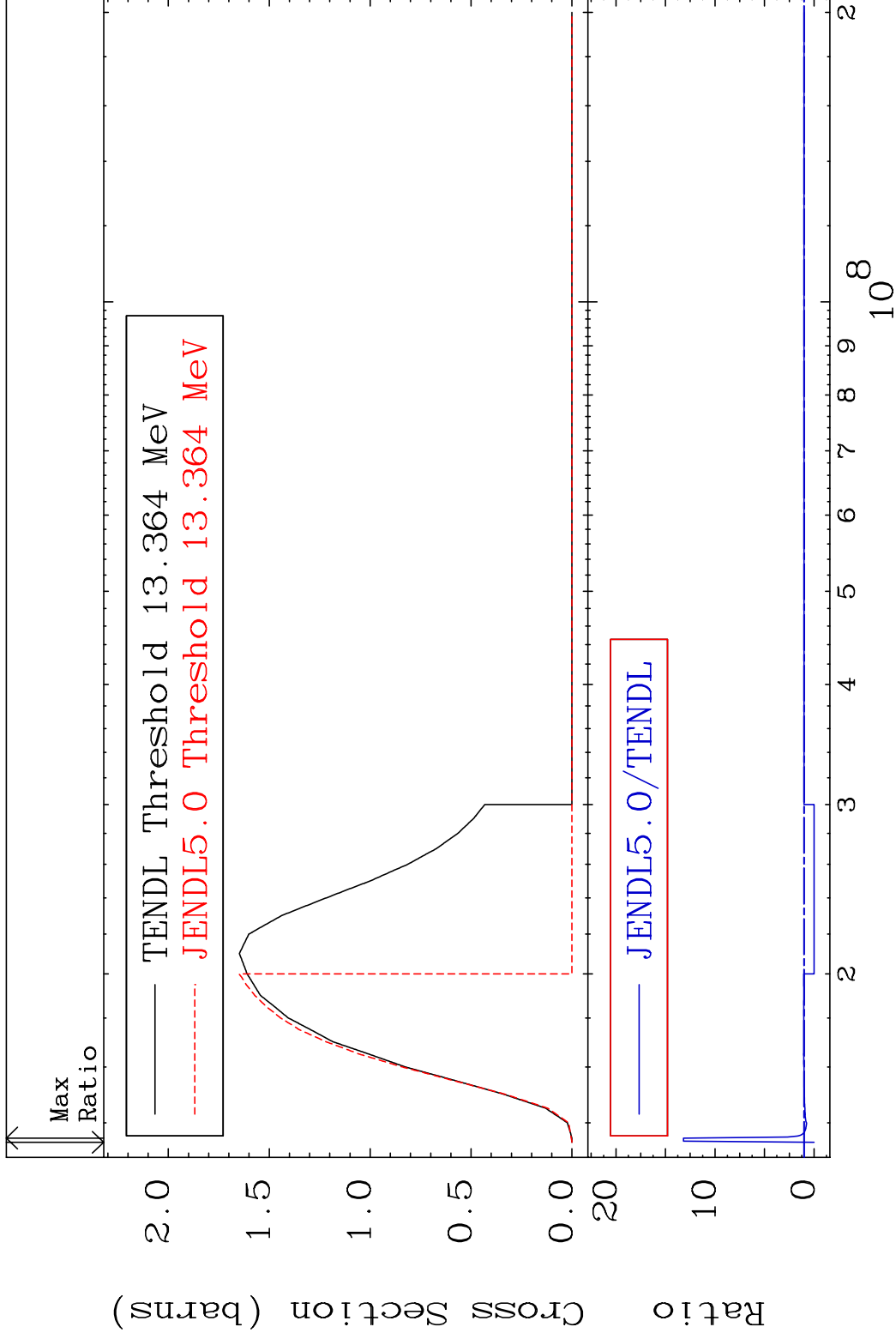
5 Incident Energy (eV) 70-Yb-175

MAT 7046

(n,3n)

70-Yb-175

Cross Section -100.0 To 1218. %



6

Incident Energy (eV)

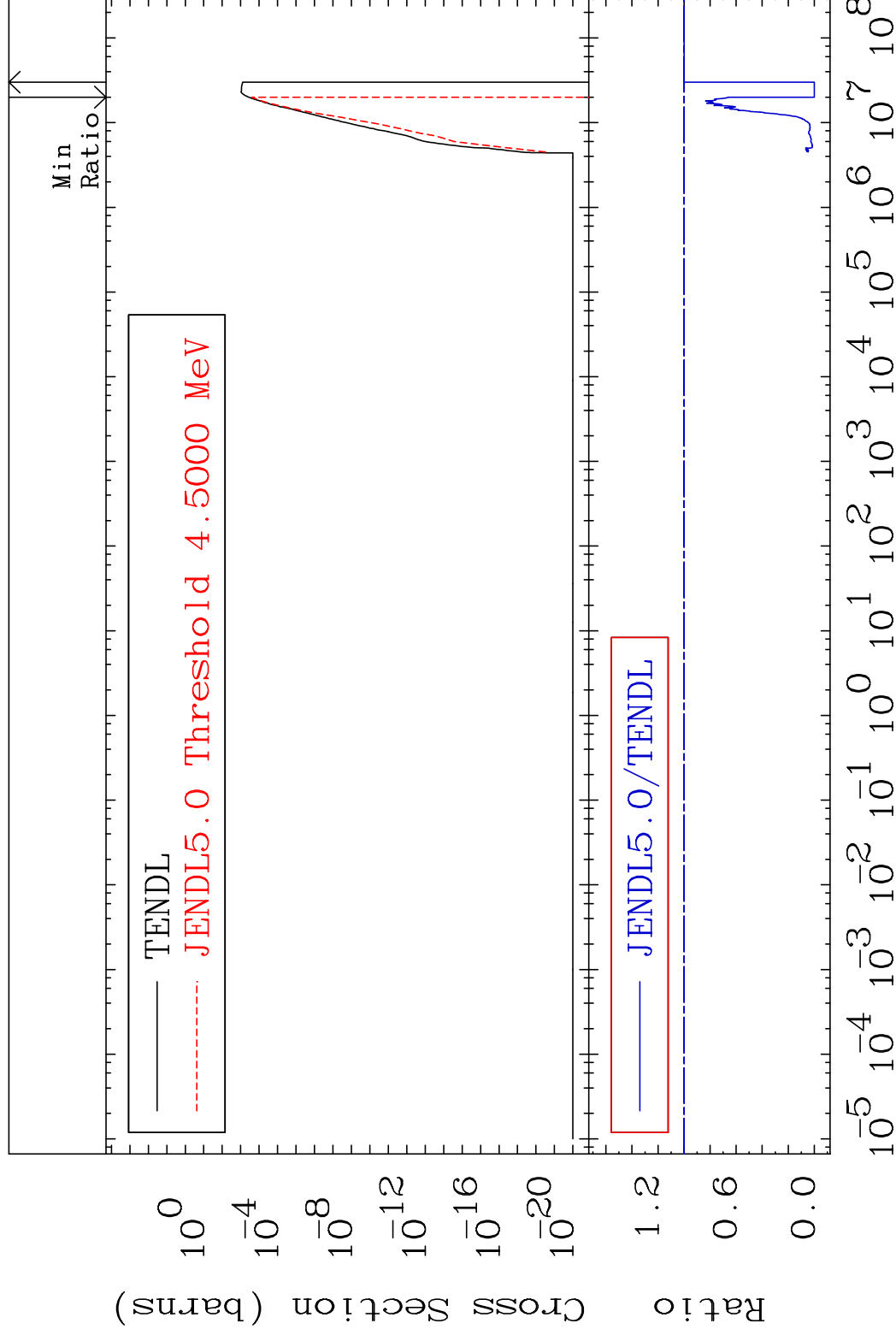
70-Yb-175

MAT 7046

(n, n') α

70-Yb-175

Cross Section -100.0 To 0.000 %

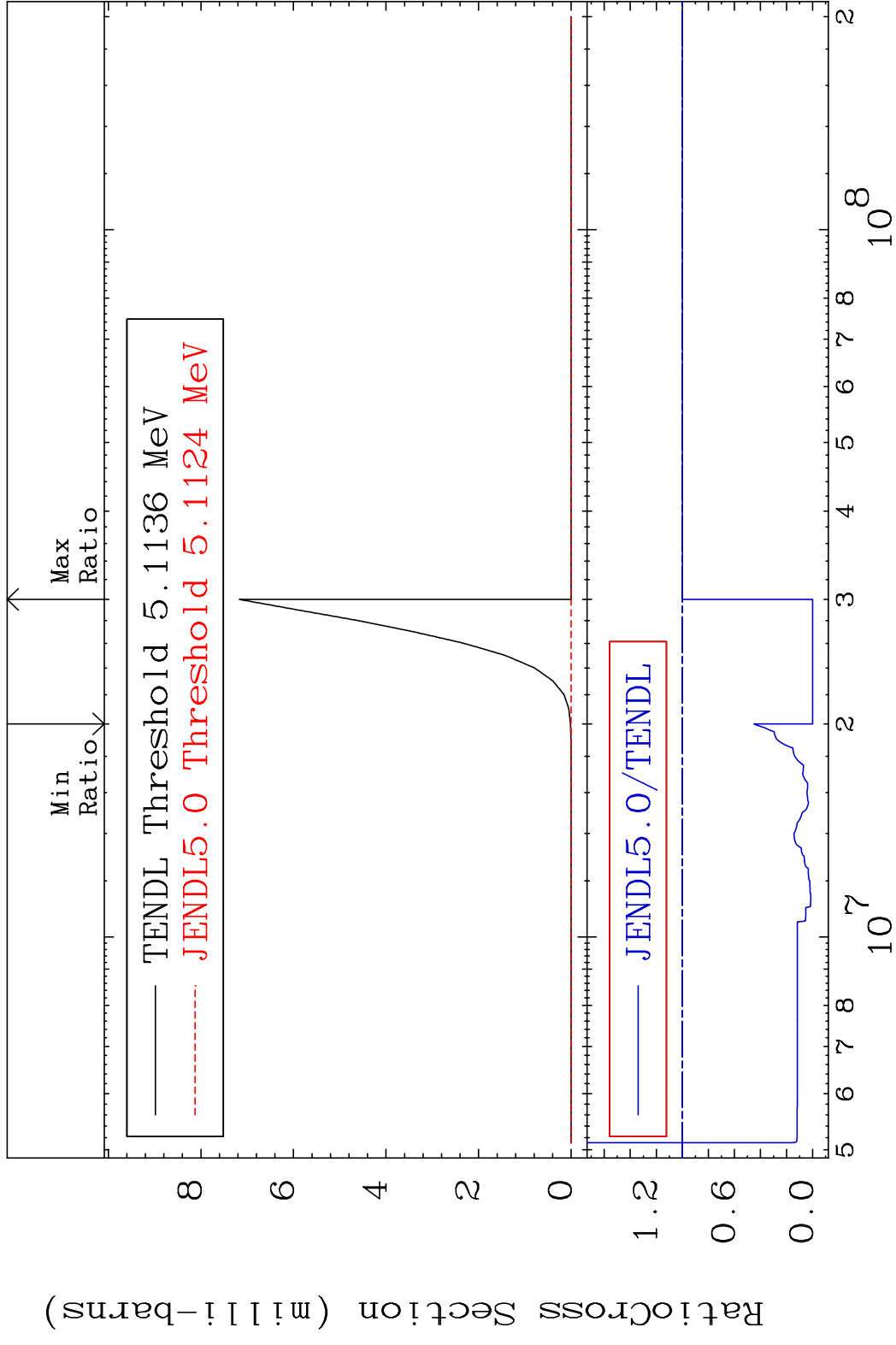


7

Incident Energy (eV)

70-Yb-175

MAT 7046 (n,2n) α 70-Yb-175
 Cross Section -100.0 To 0.000 %



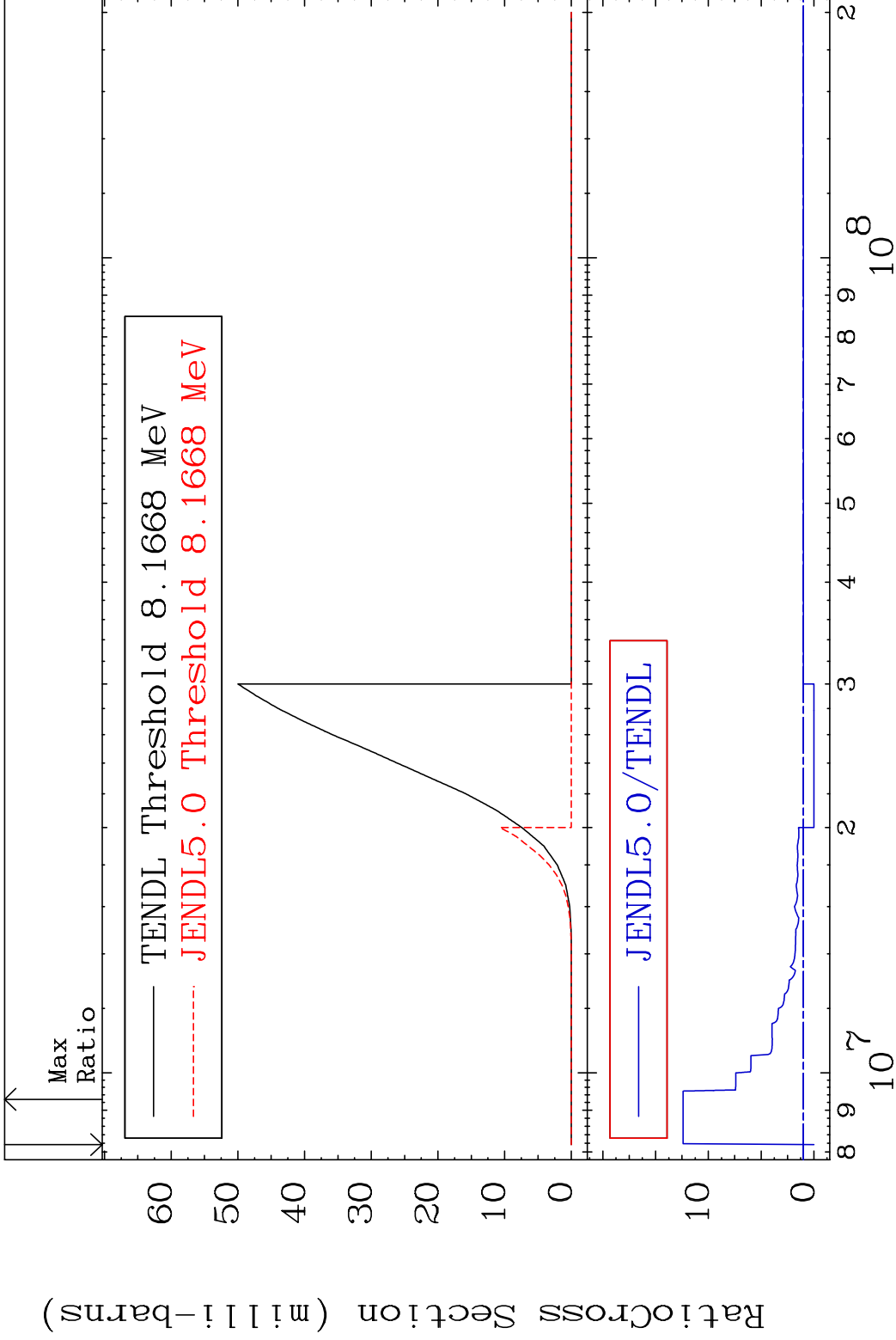
8 Incident Energy (eV) 70-Yb-175

MAT 7046

(n, n') p

70-Yb-175

Cross Section -100.0 To 1140. %



9

Incident Energy (eV)

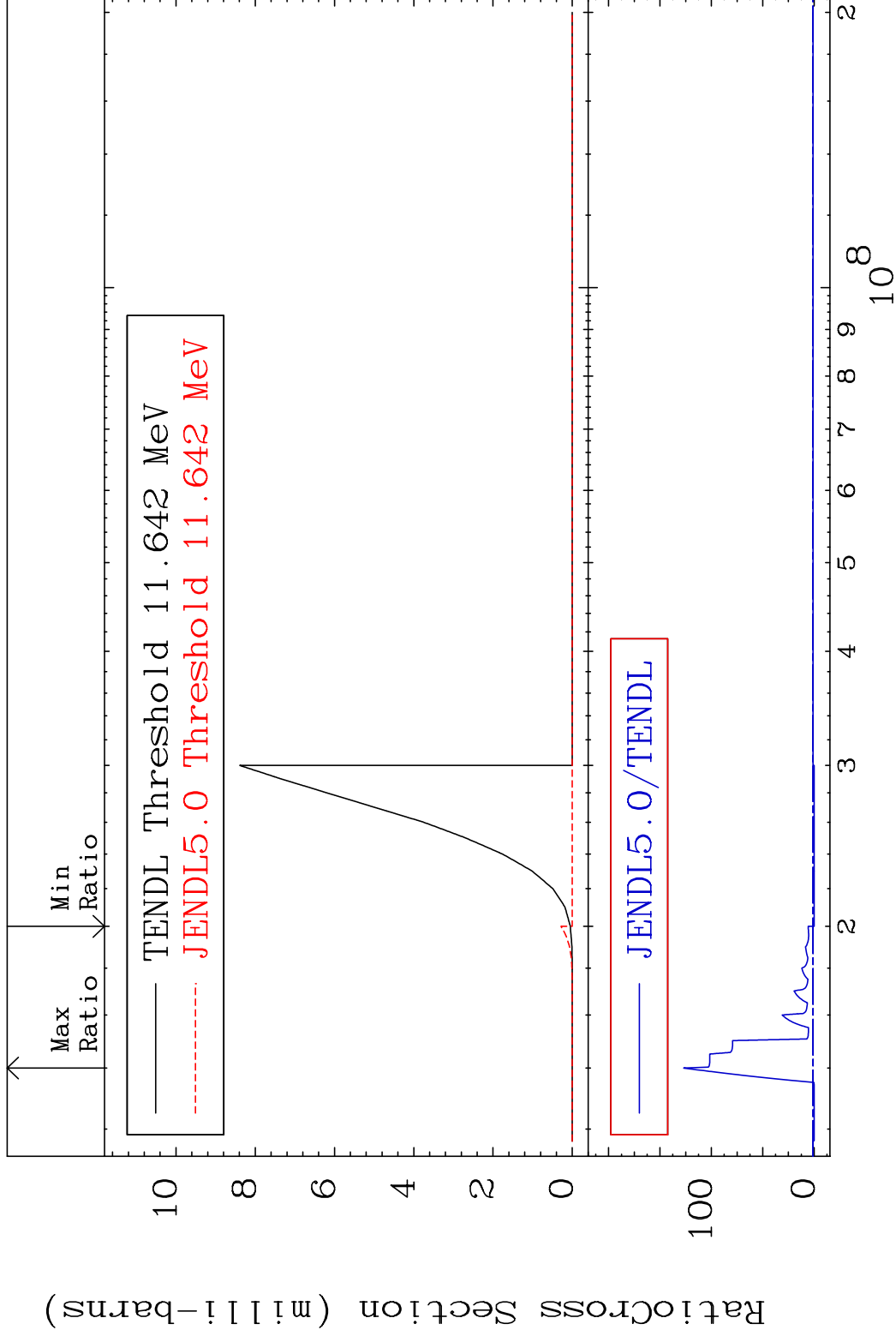
70-Yb-175

MAT 7046

(n, n') d

70-Yb-175

Cross Section -100.0 To 9999. %

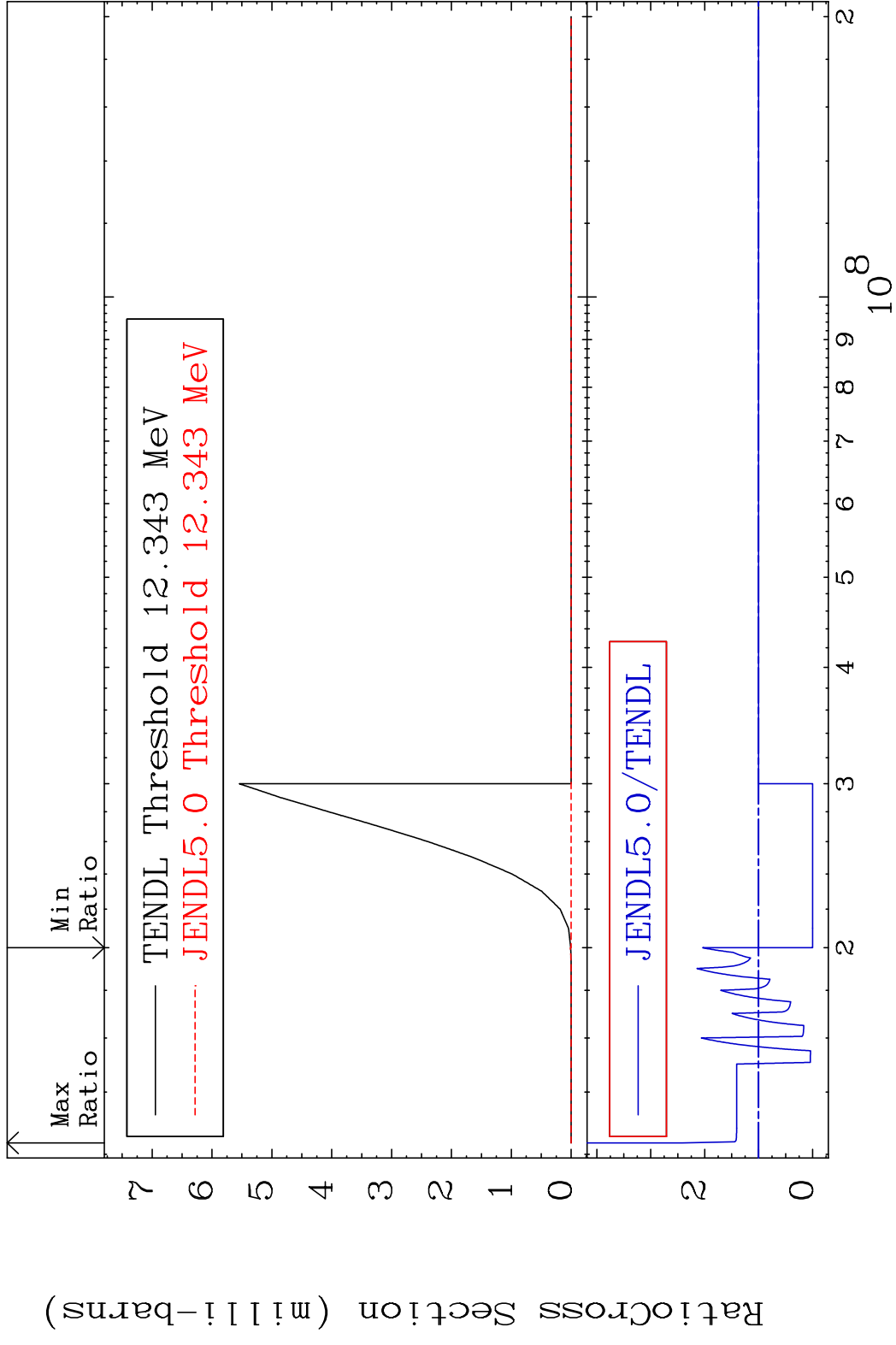


10

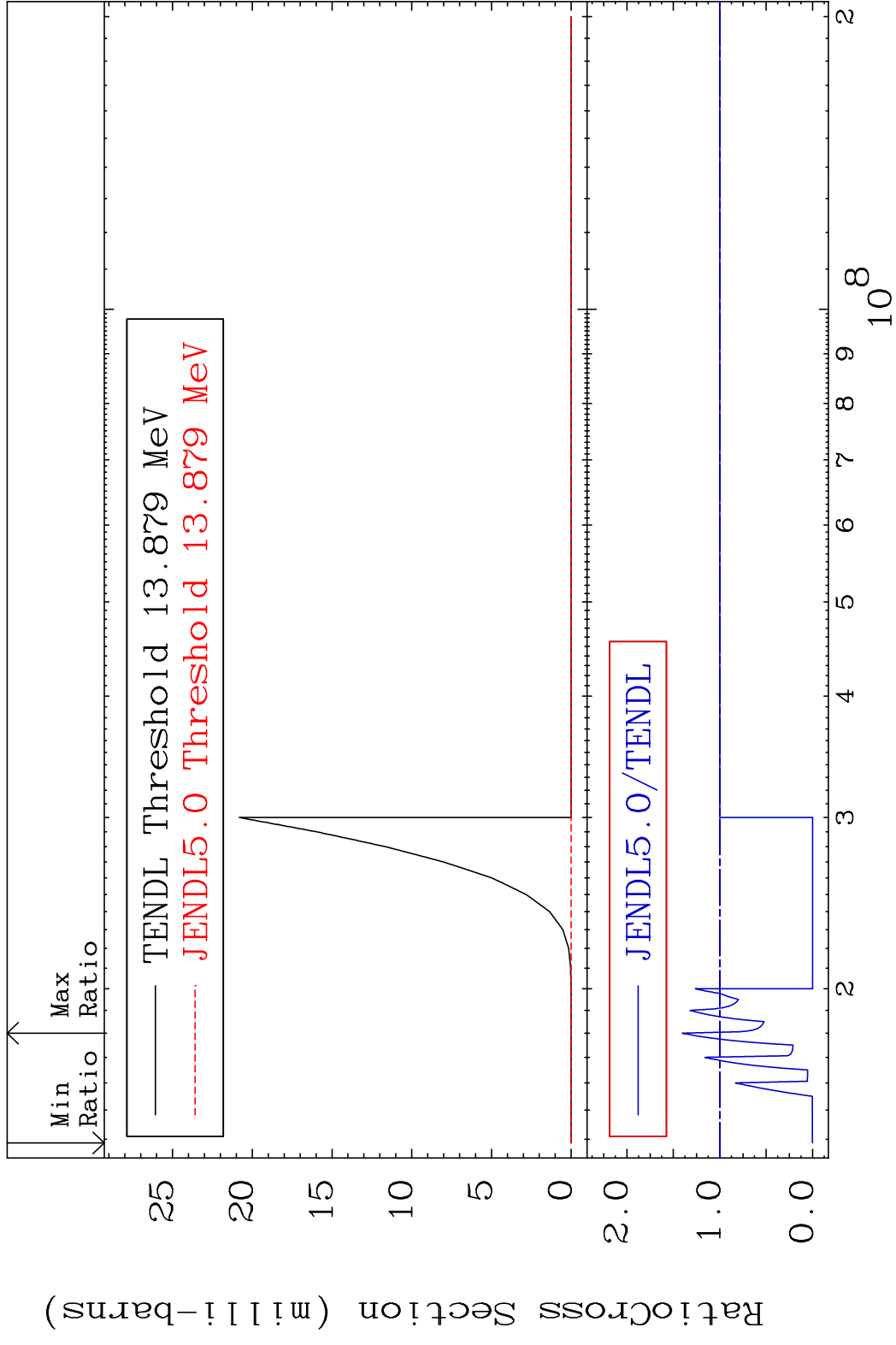
Incident Energy (eV)

70-Yb-175

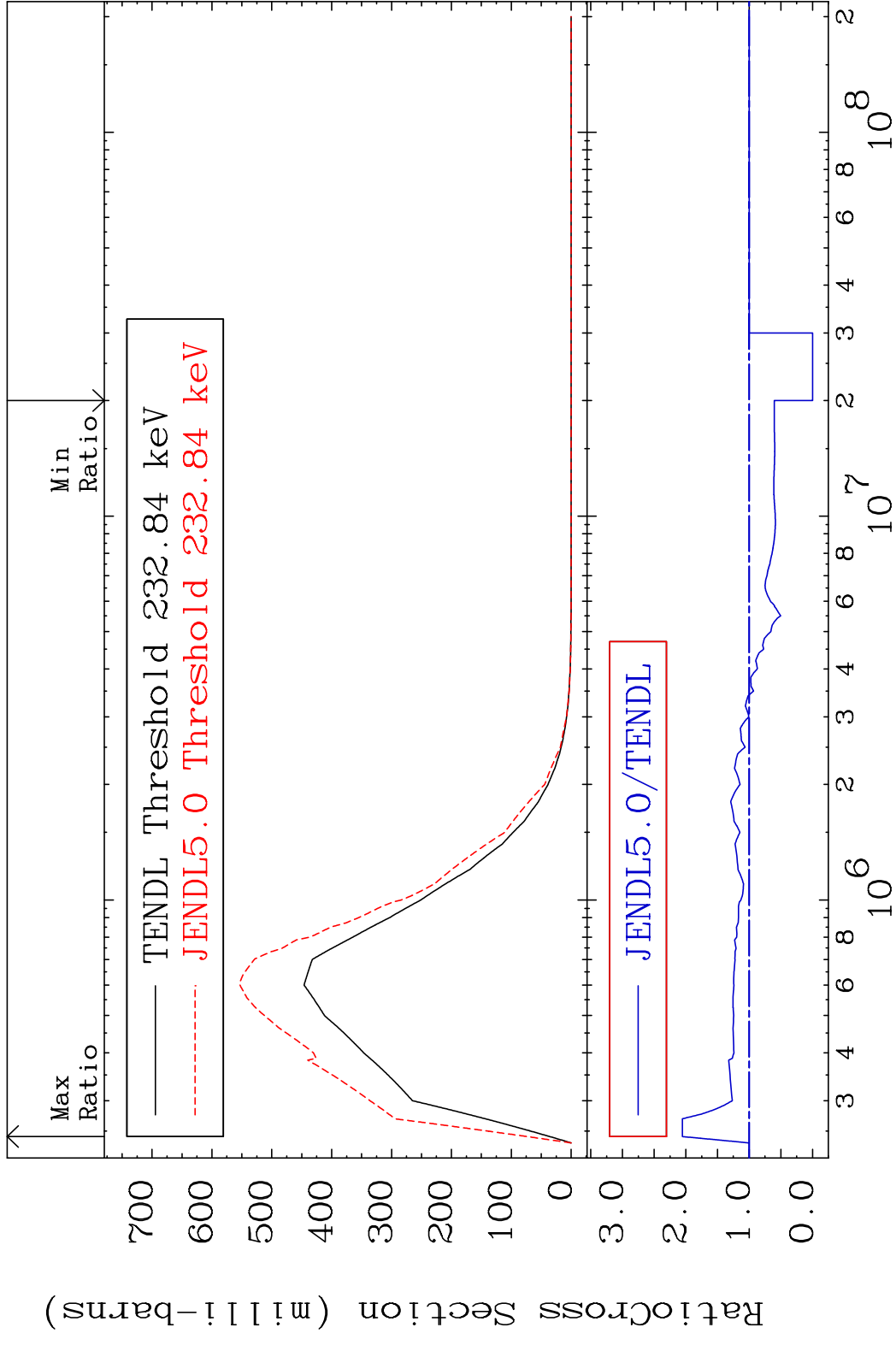
MAT 7046 (n, n') t 70-Yb-175
 Cross Section -100.0 To 141.4 %



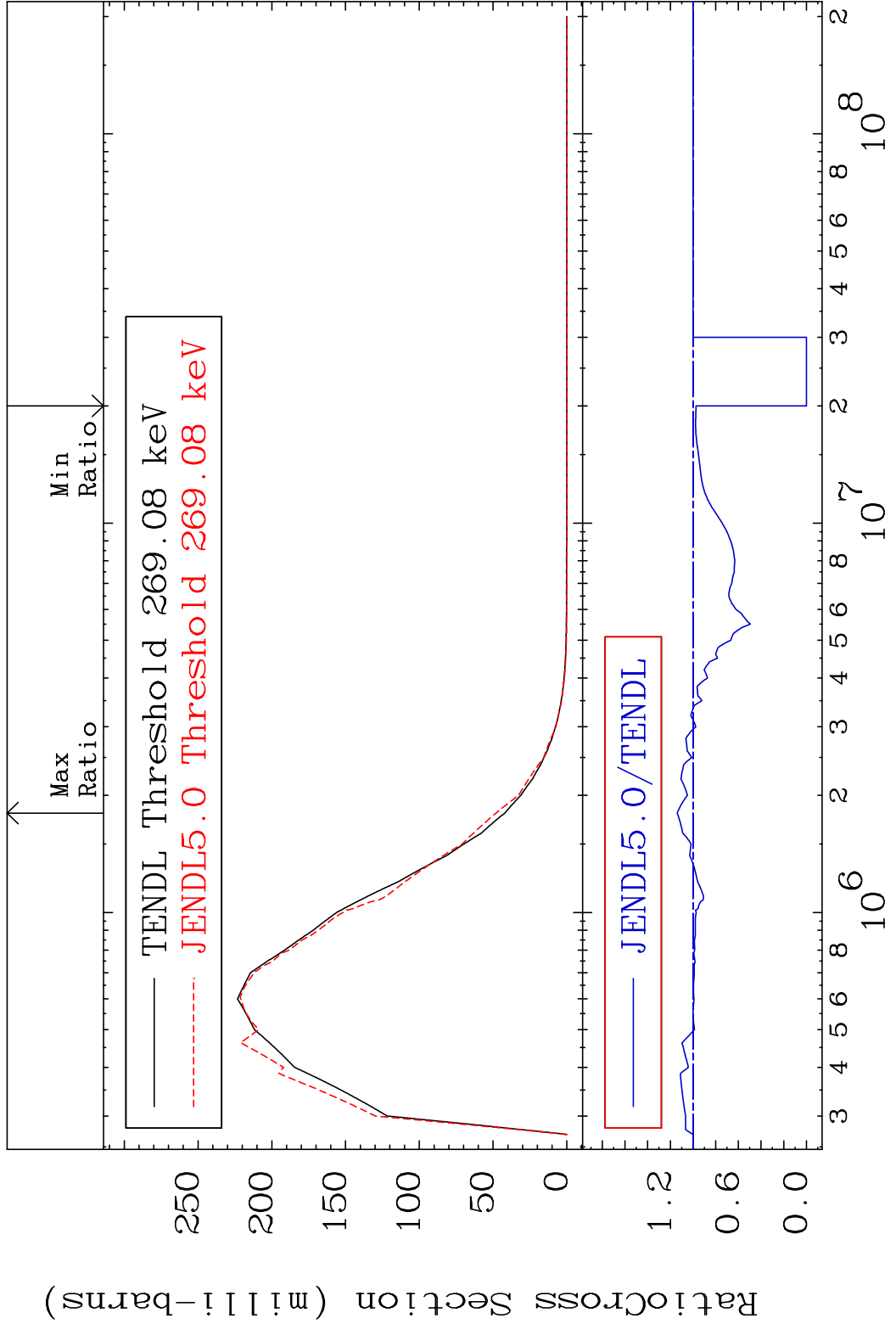
MAT 7046 (n,2n) p 70-Yb-175
 Cross Section -100.0 To 40.27 %



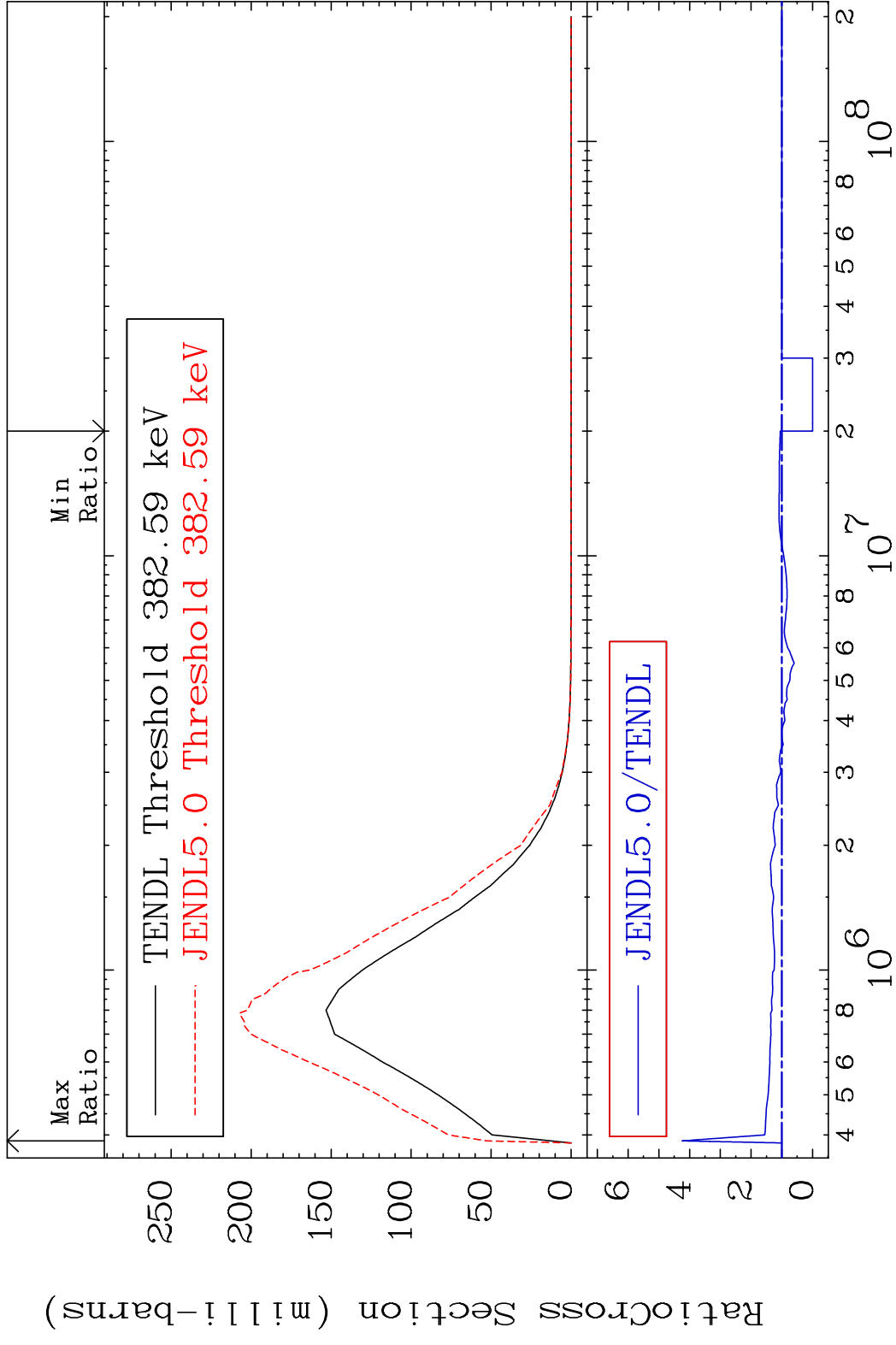
MAT 7046 MT= 52 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 105.5 %



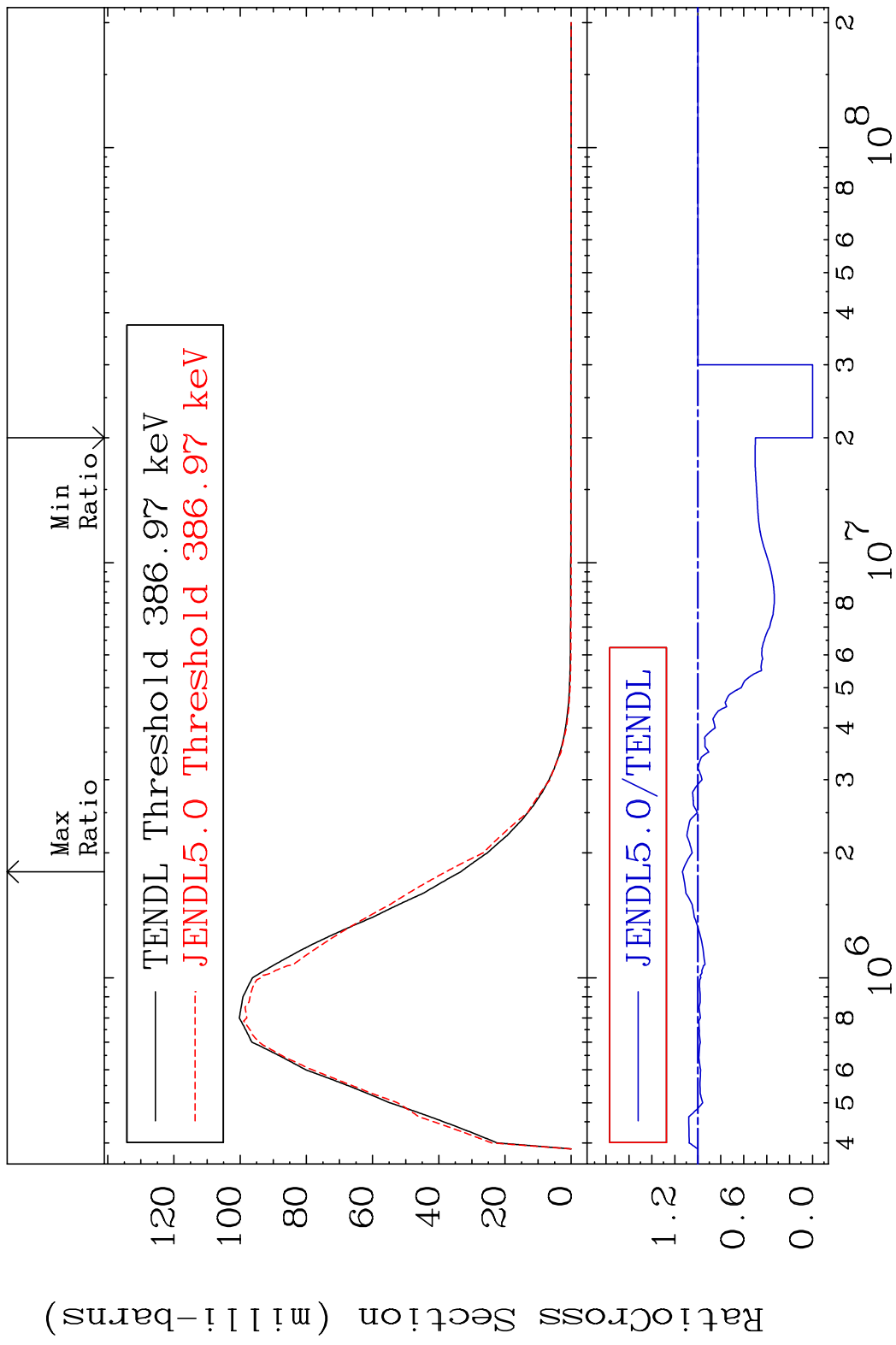
MAT 7046 MT= 53 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 13.95 %



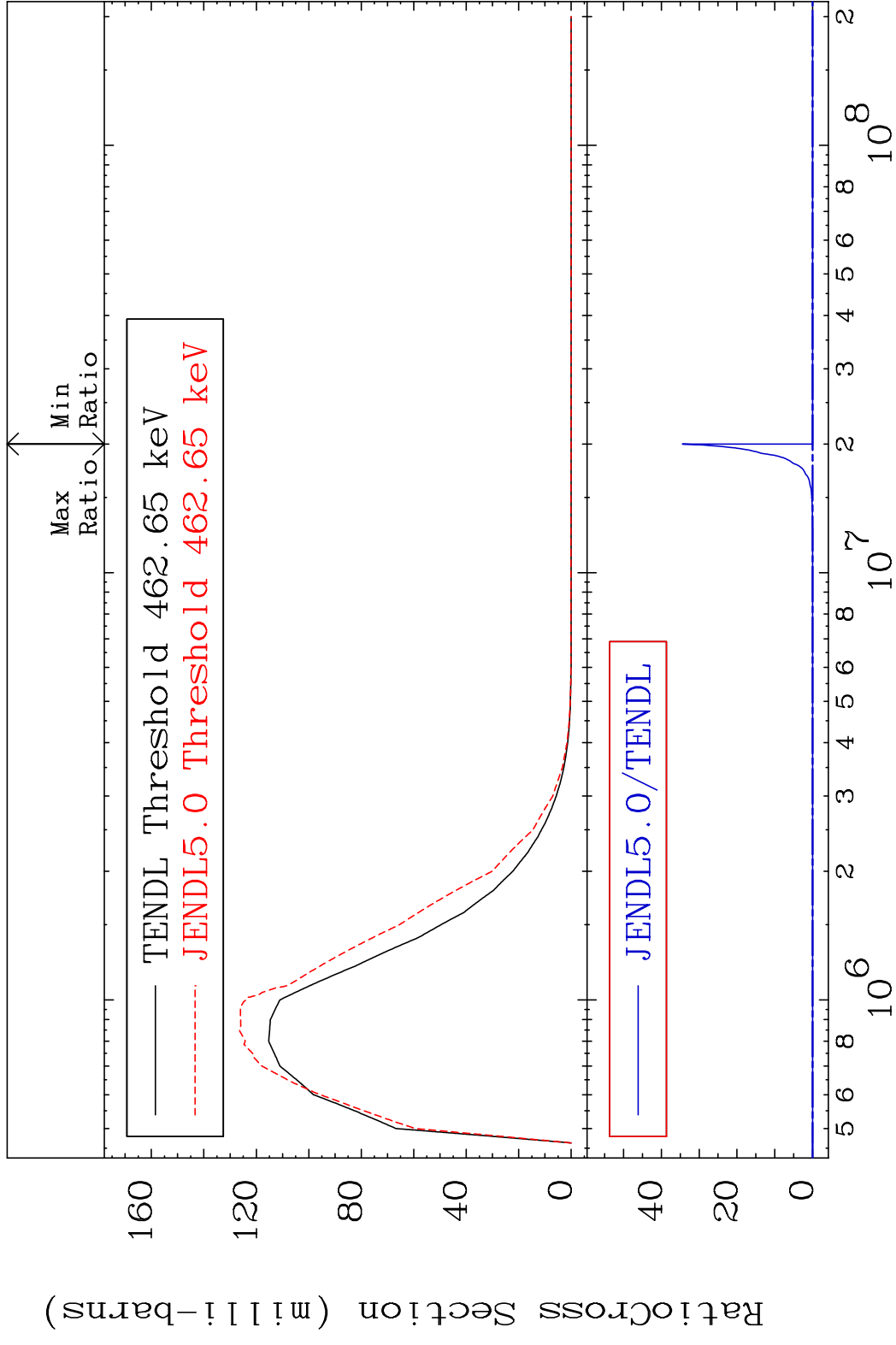
MAT 7046 MT= 54 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 323.5 %



MAT 7046 MT= 55 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 13.46 %

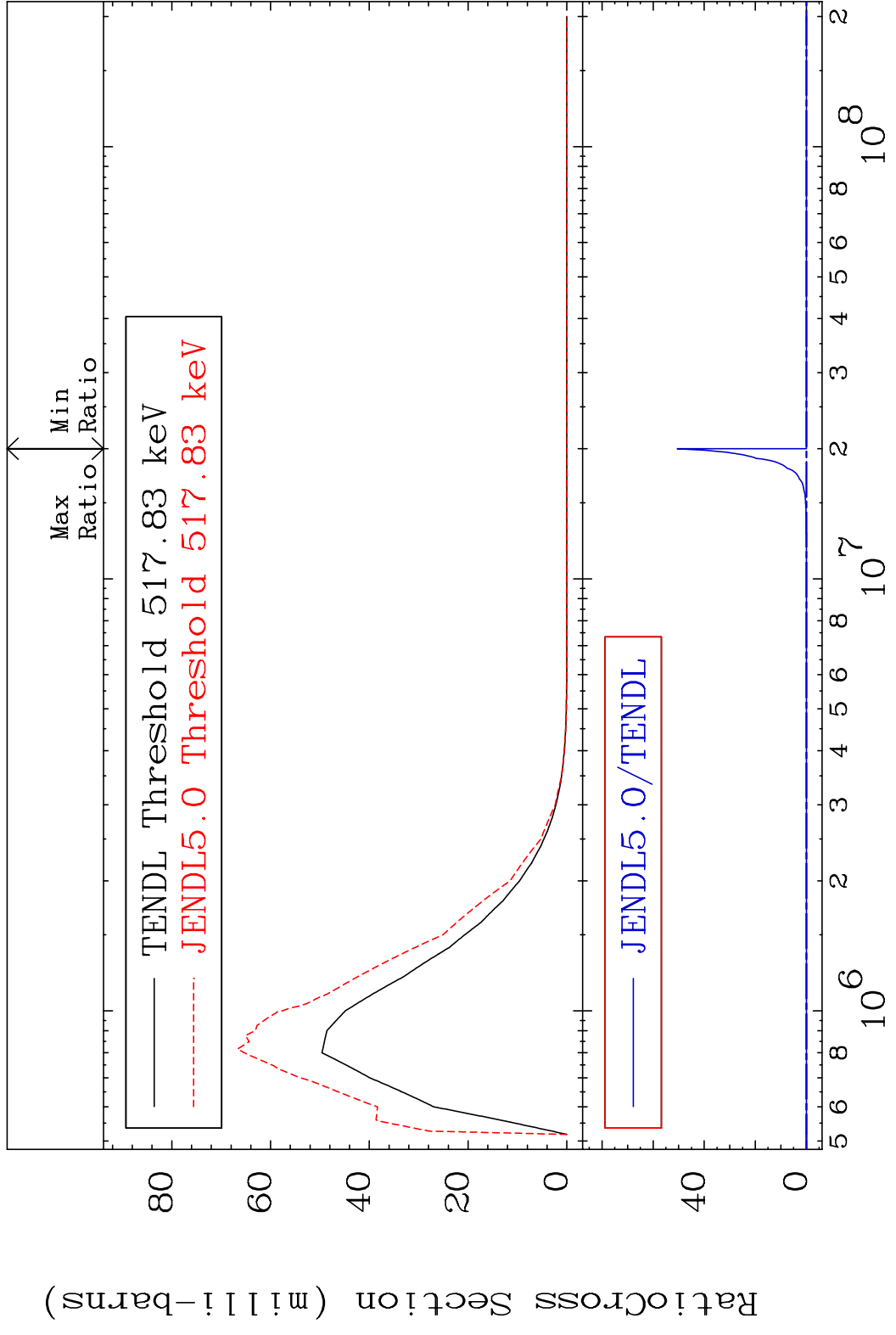


MAT 7046 MT= 56 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %

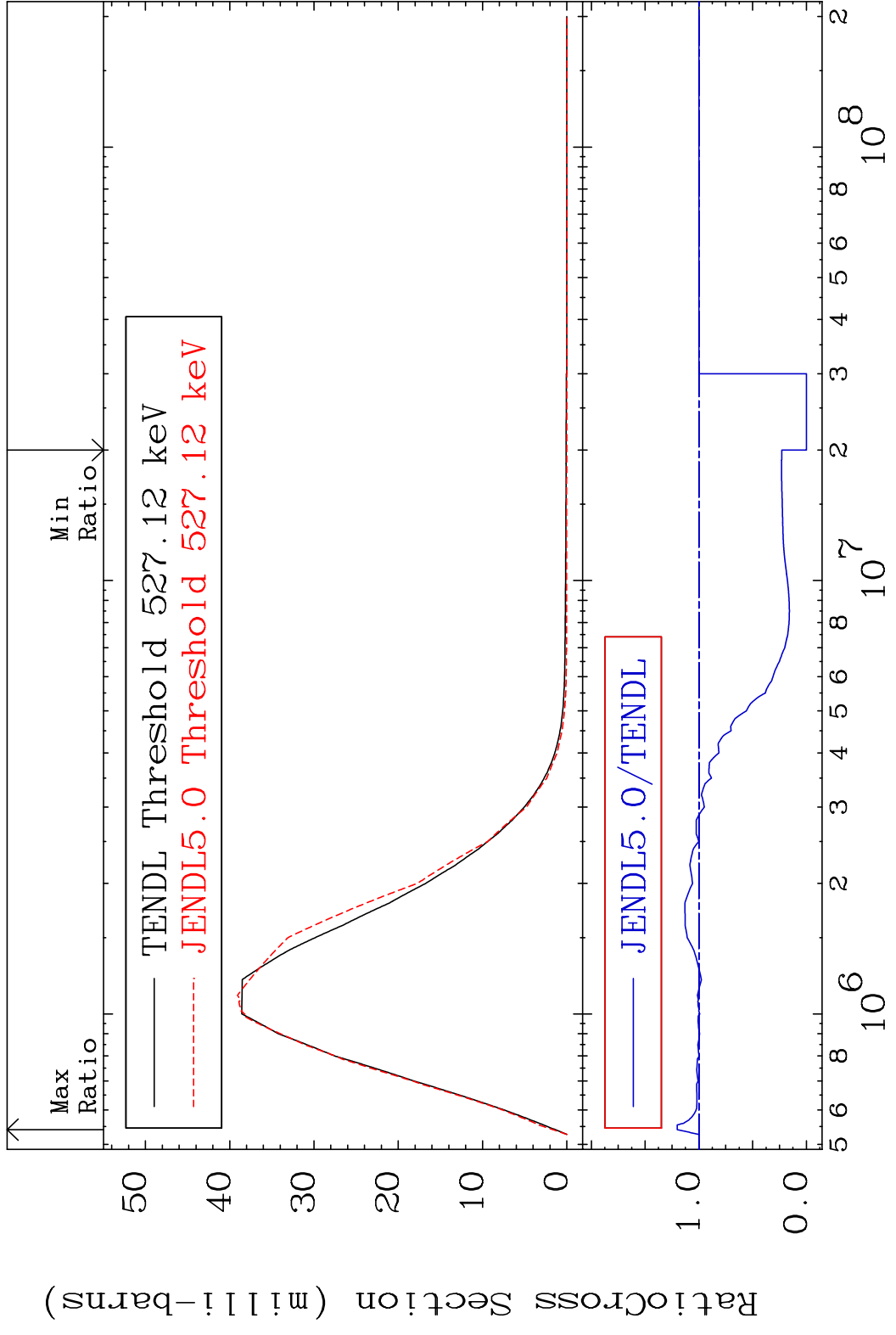


18 Incident Energy (eV) 70-Yb-175

MAT 7046 MT= 57 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %

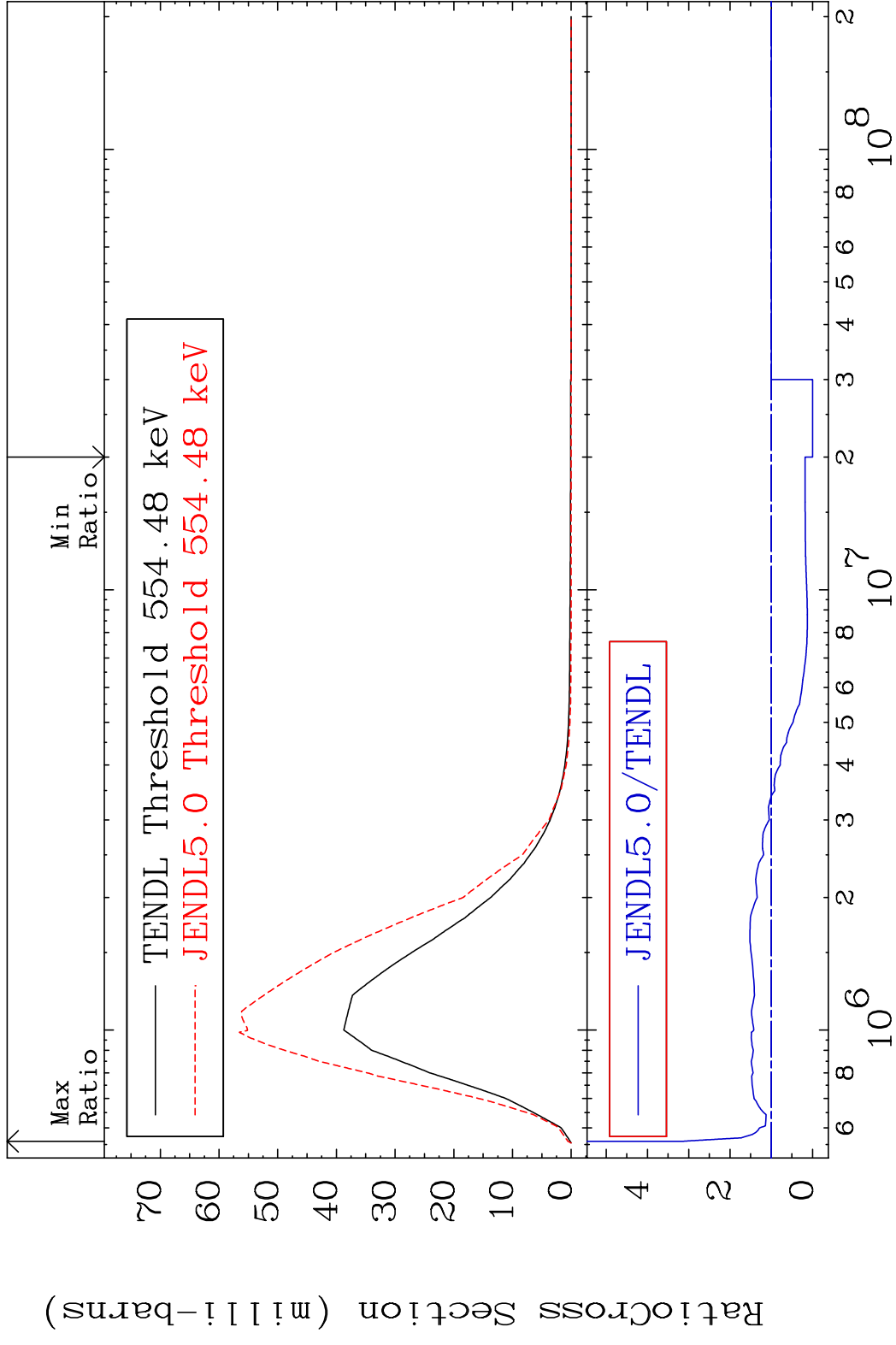


MAT 7046 MT= 58 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 20.17 %

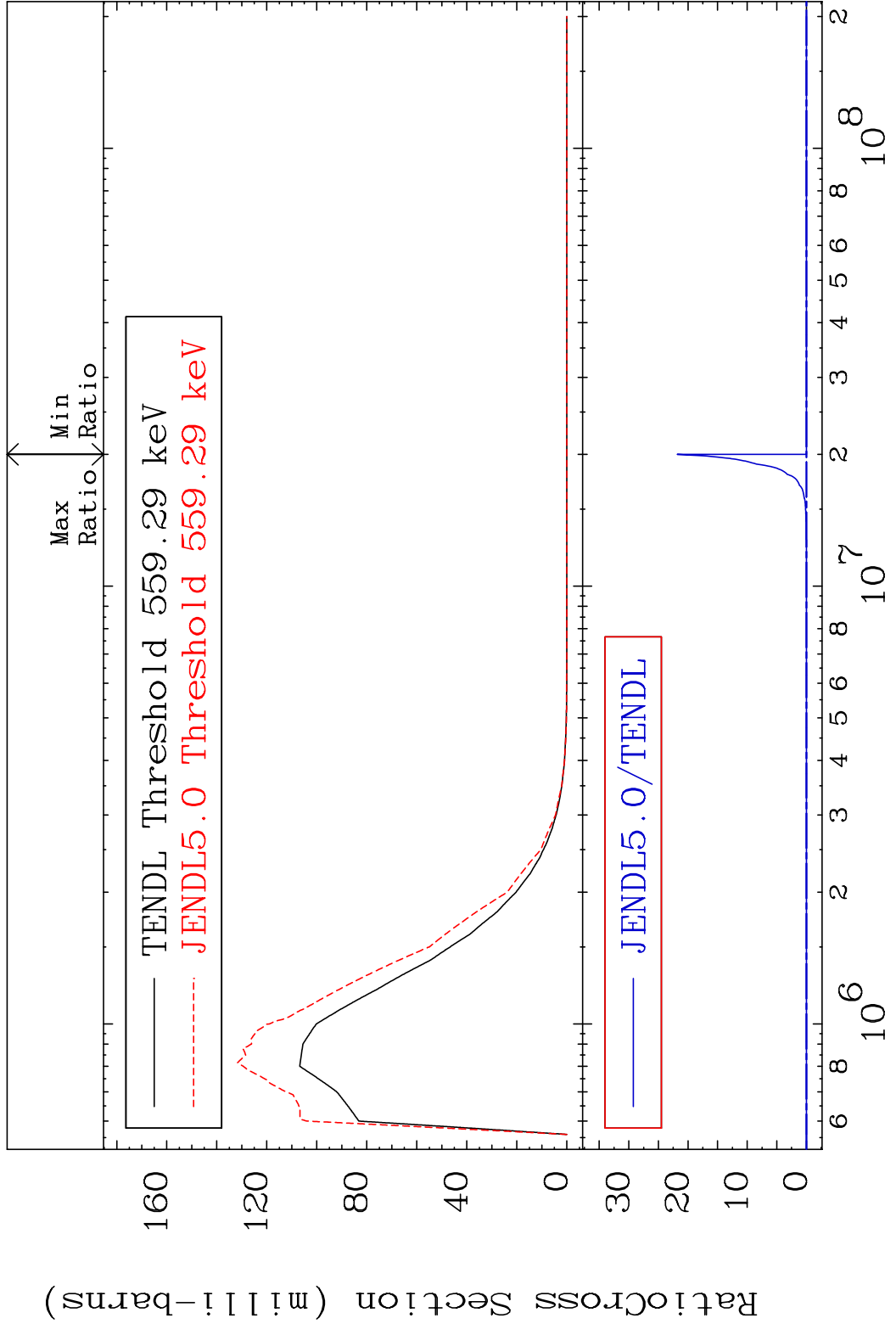


20 100 200

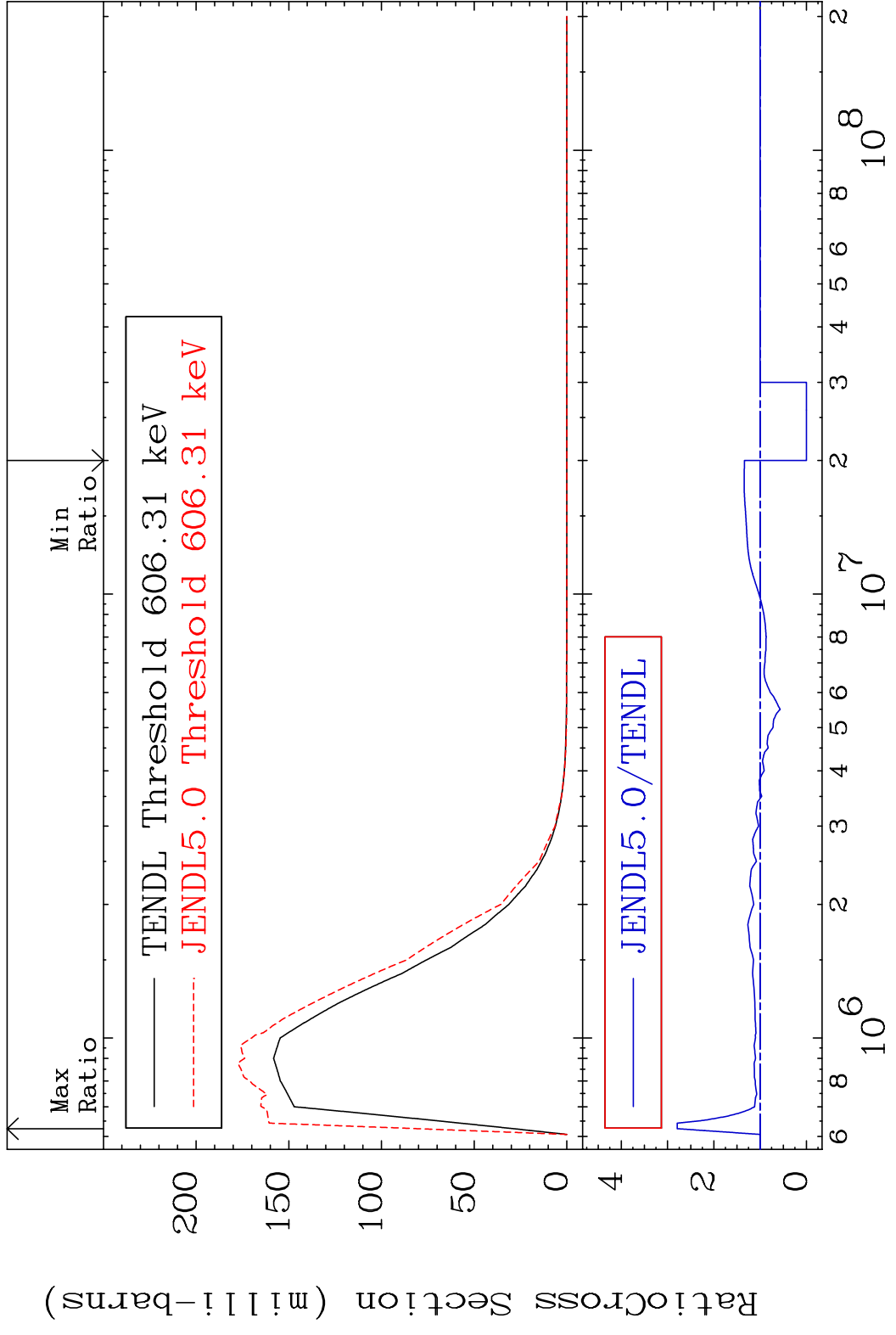
MAT 7046 MT= 59 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 215.4 %



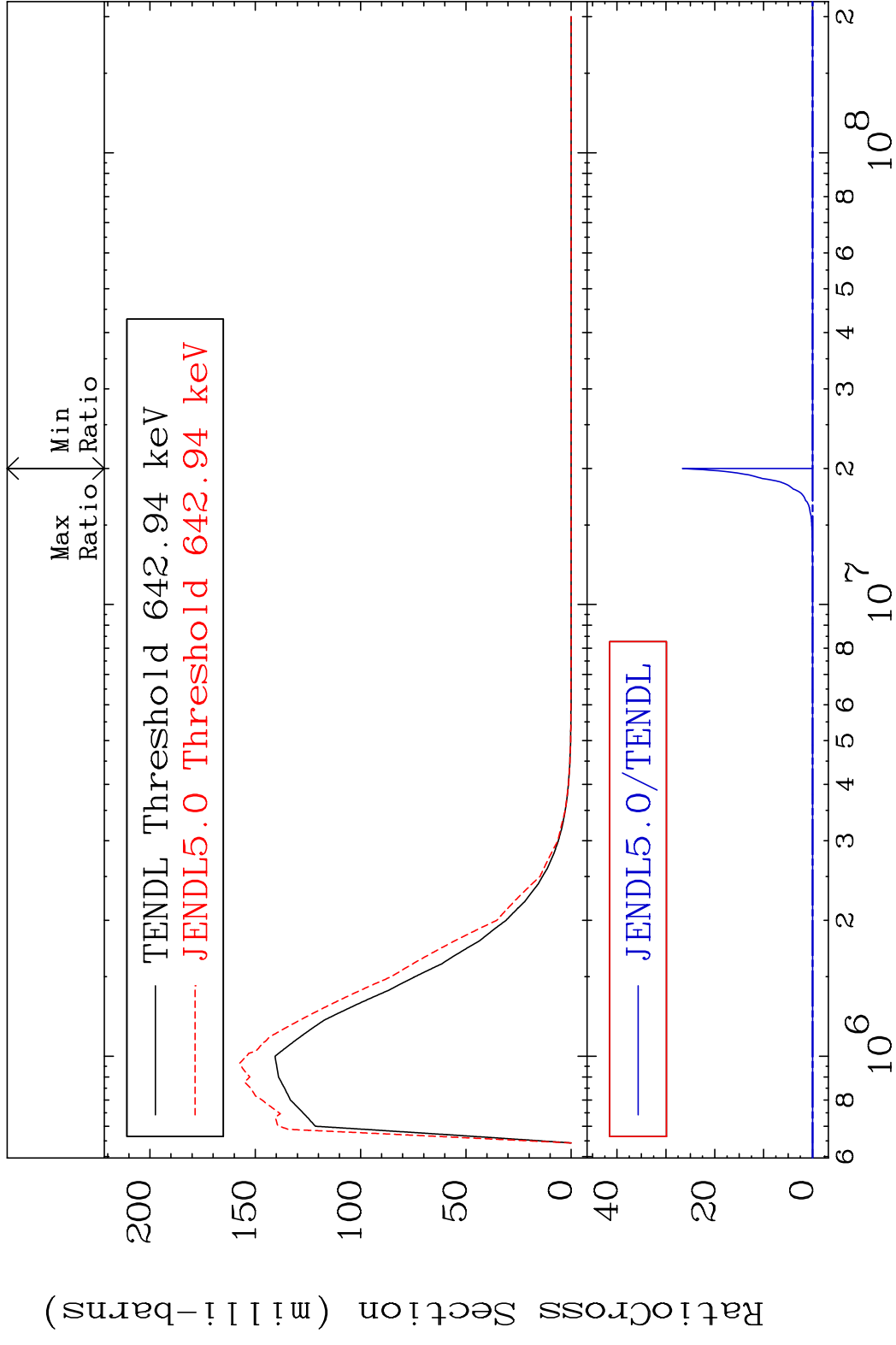
MAT 7046 MT= 60 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %



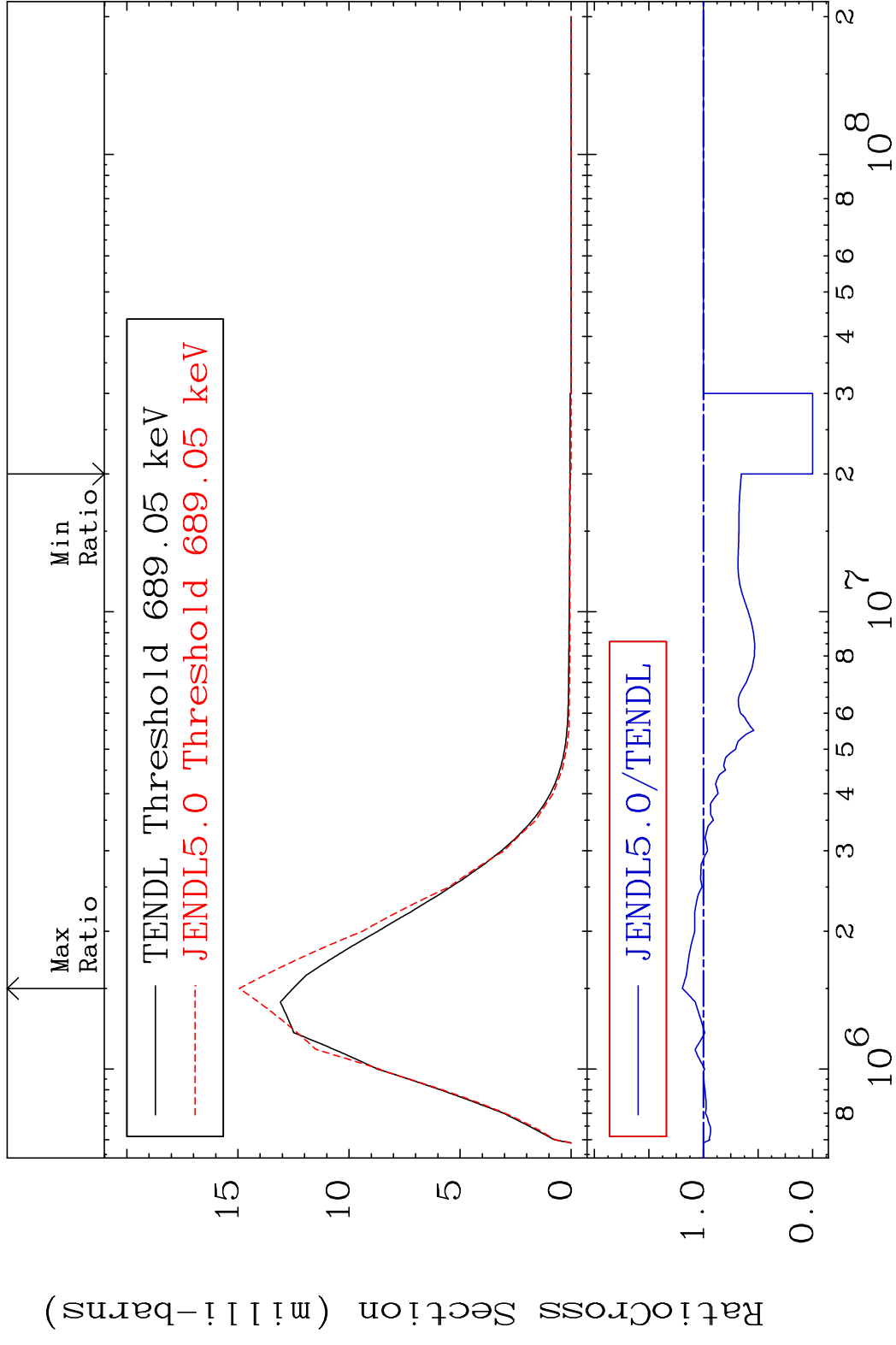
MAT 7046 MT= 61 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 179.3 %



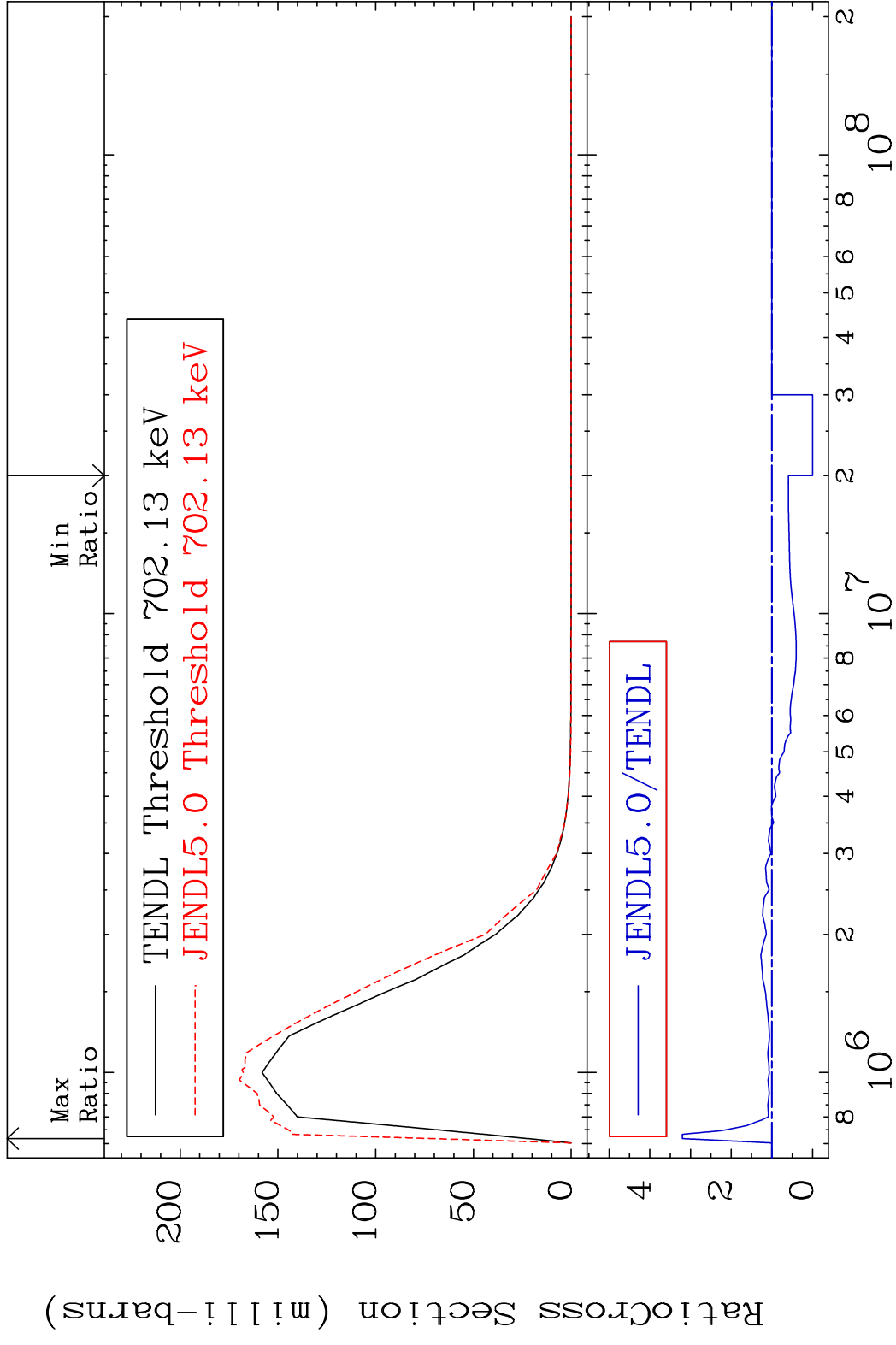
MAT 7046 MT= 62 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %



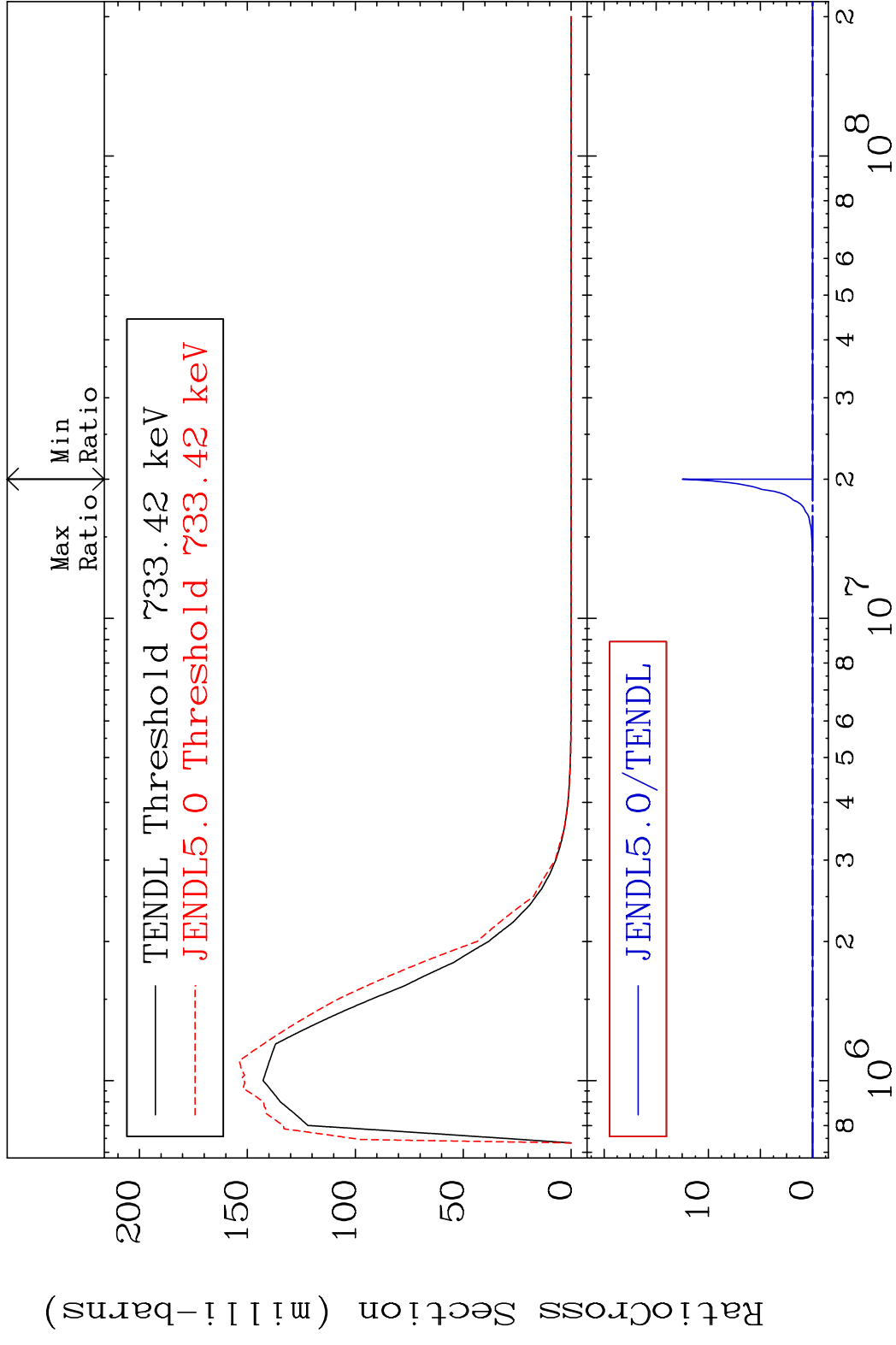
MAT 7046 MT= 63 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 19.34 %



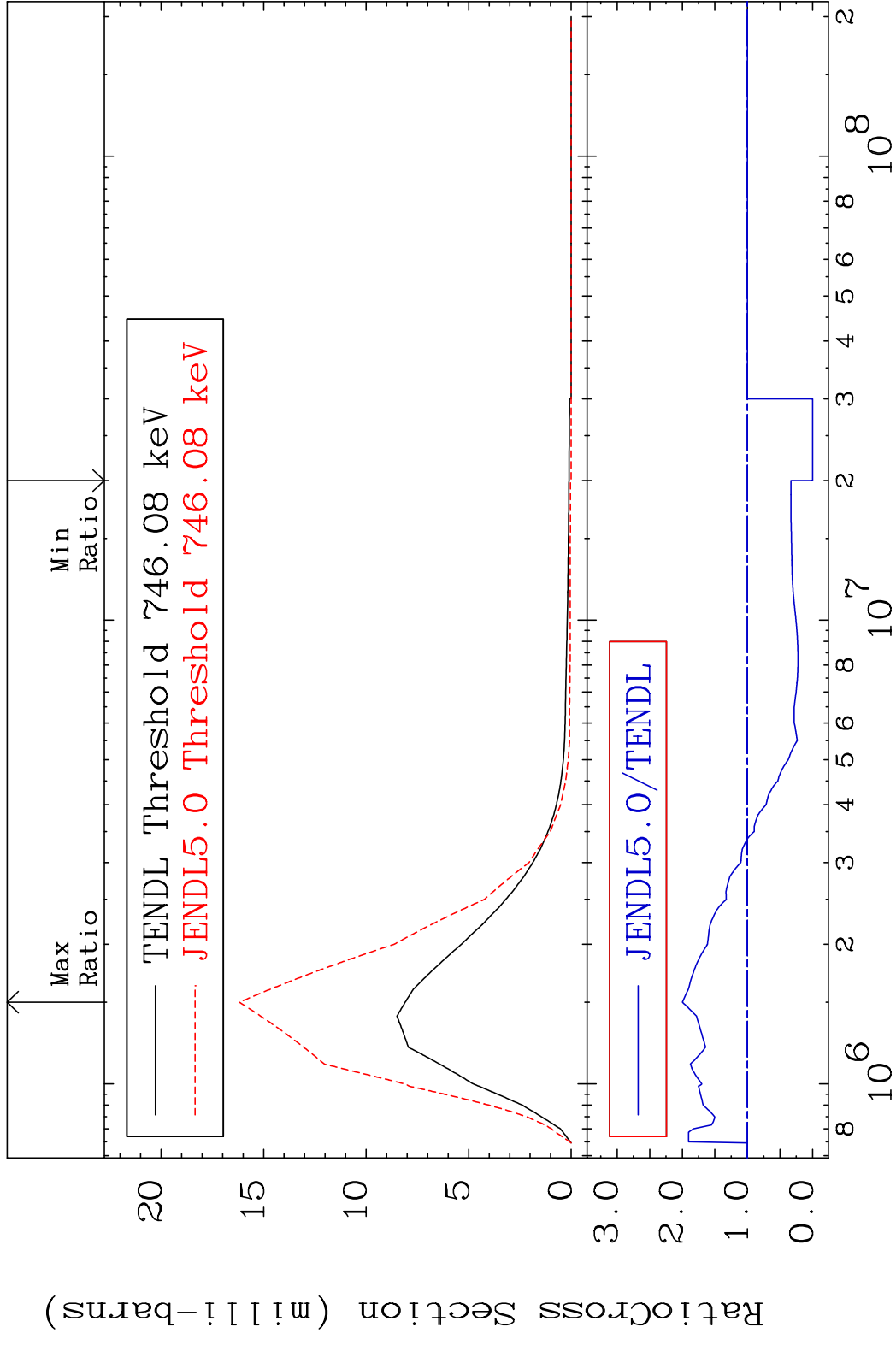
MAT 7046 MT= 64 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 220.1 %



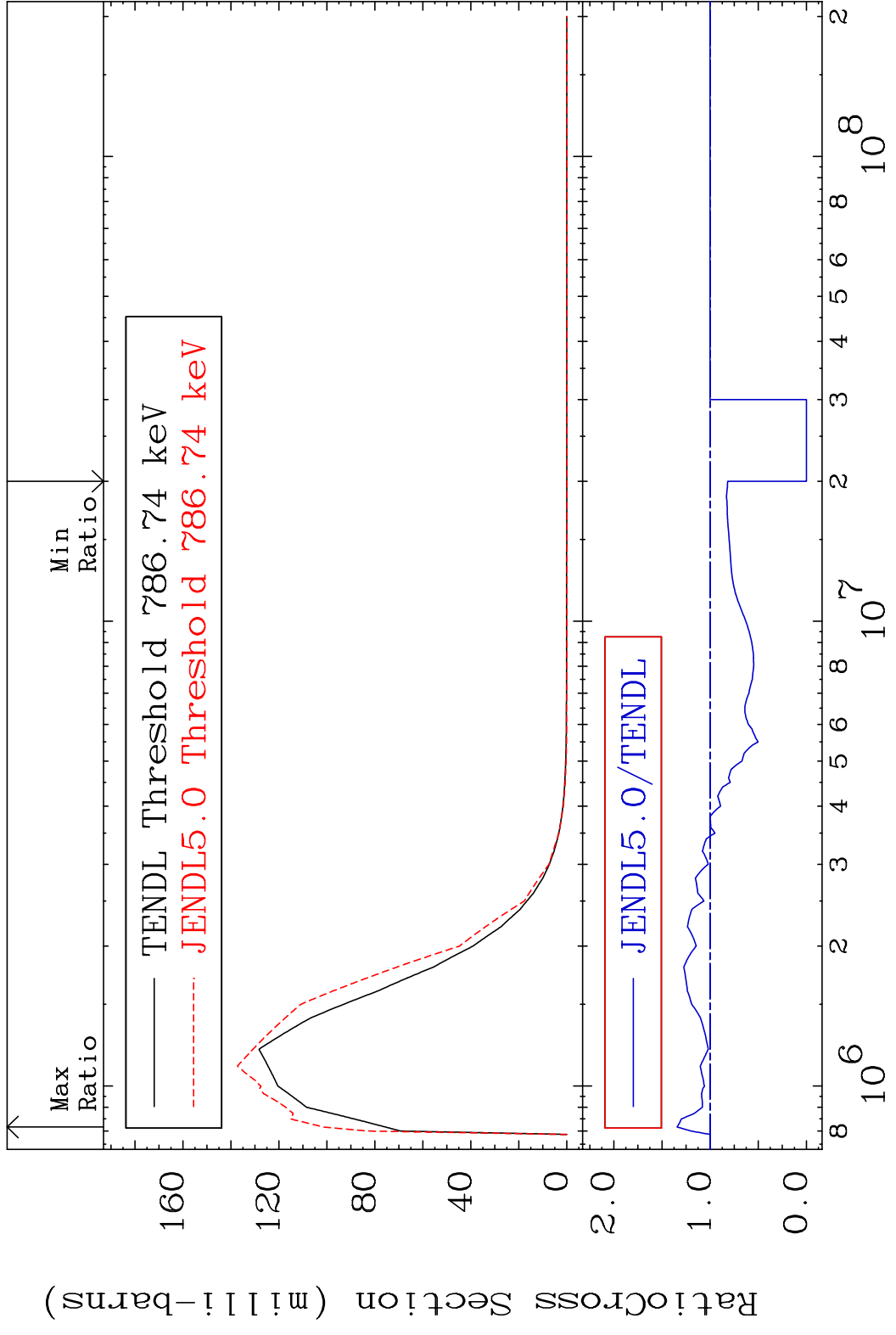
MAT 7046 MT= 65 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %



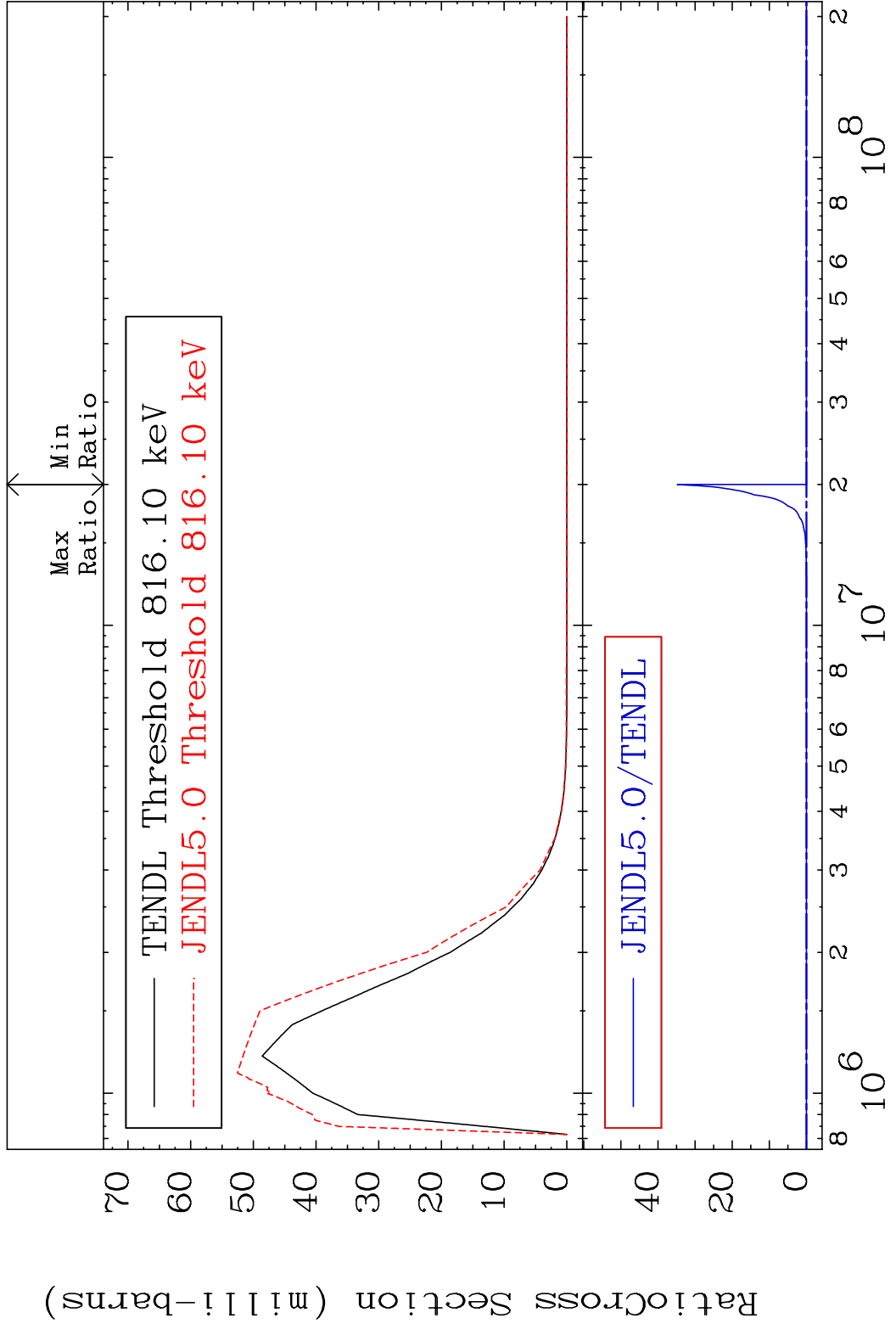
MAT 7046 MT= 66 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 99.89 %



MAT 7046 MT= 67 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 34.21 %

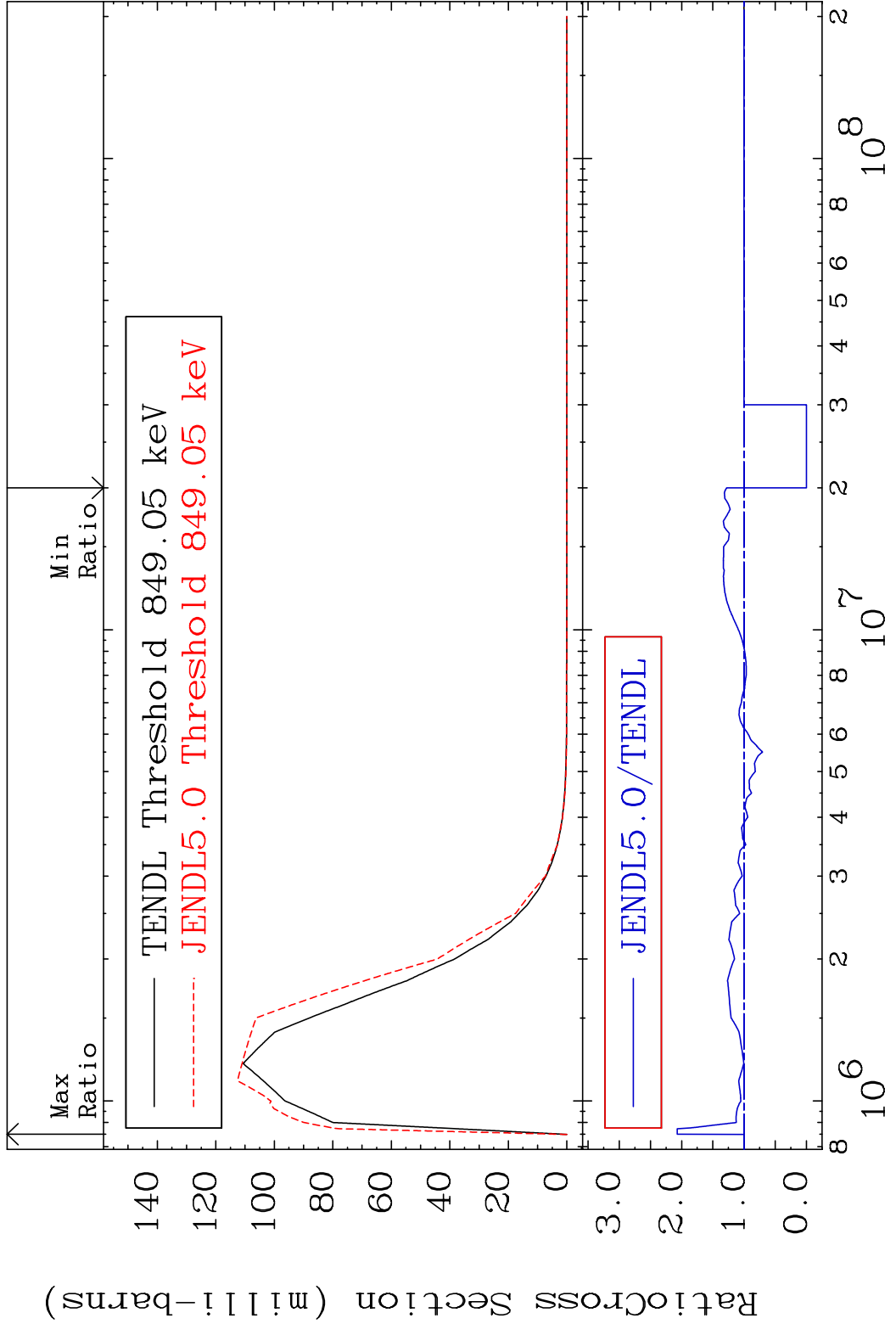


MAT 7046 MT= 68 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %

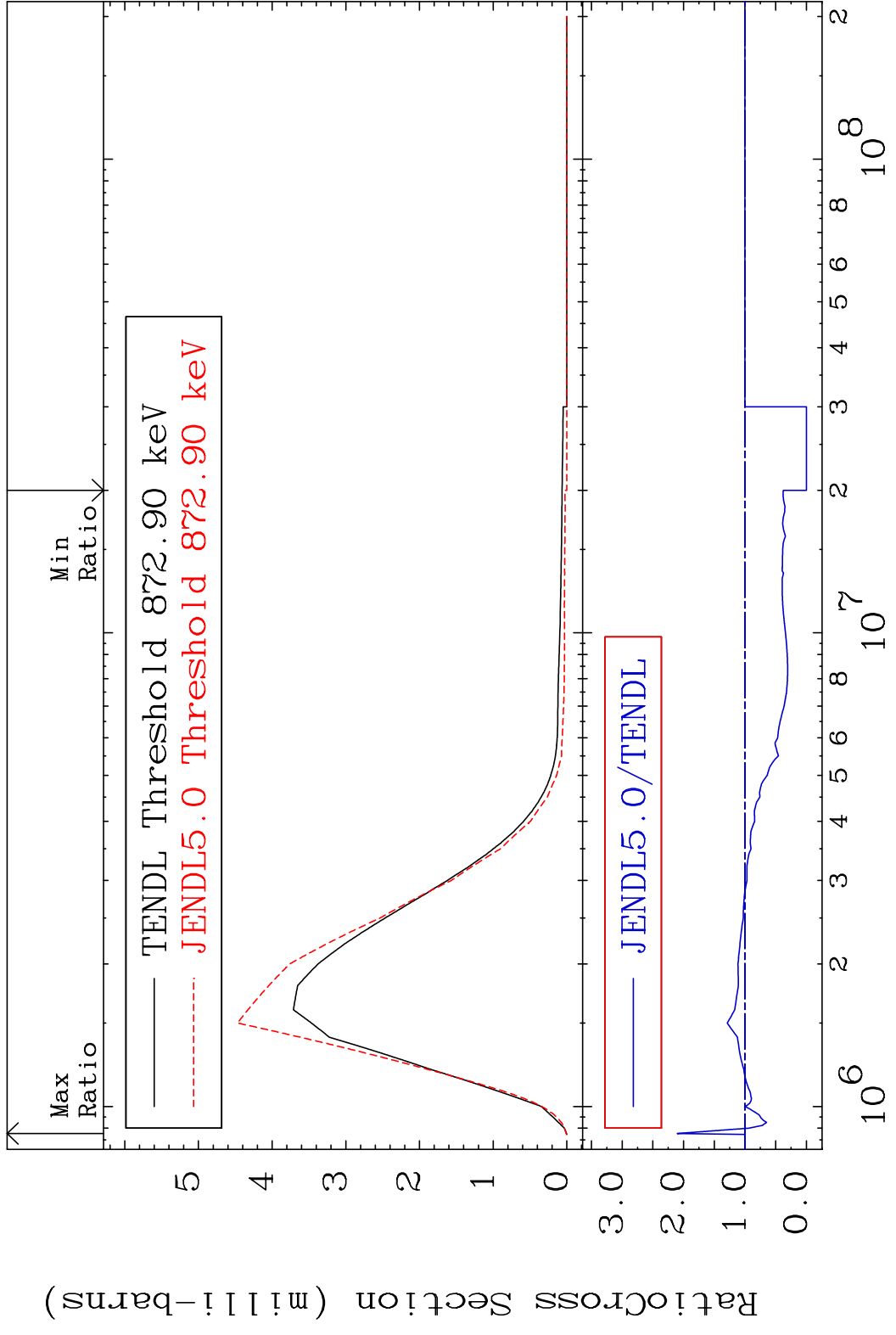


30 Incident Energy (eV) 70-Yb-175

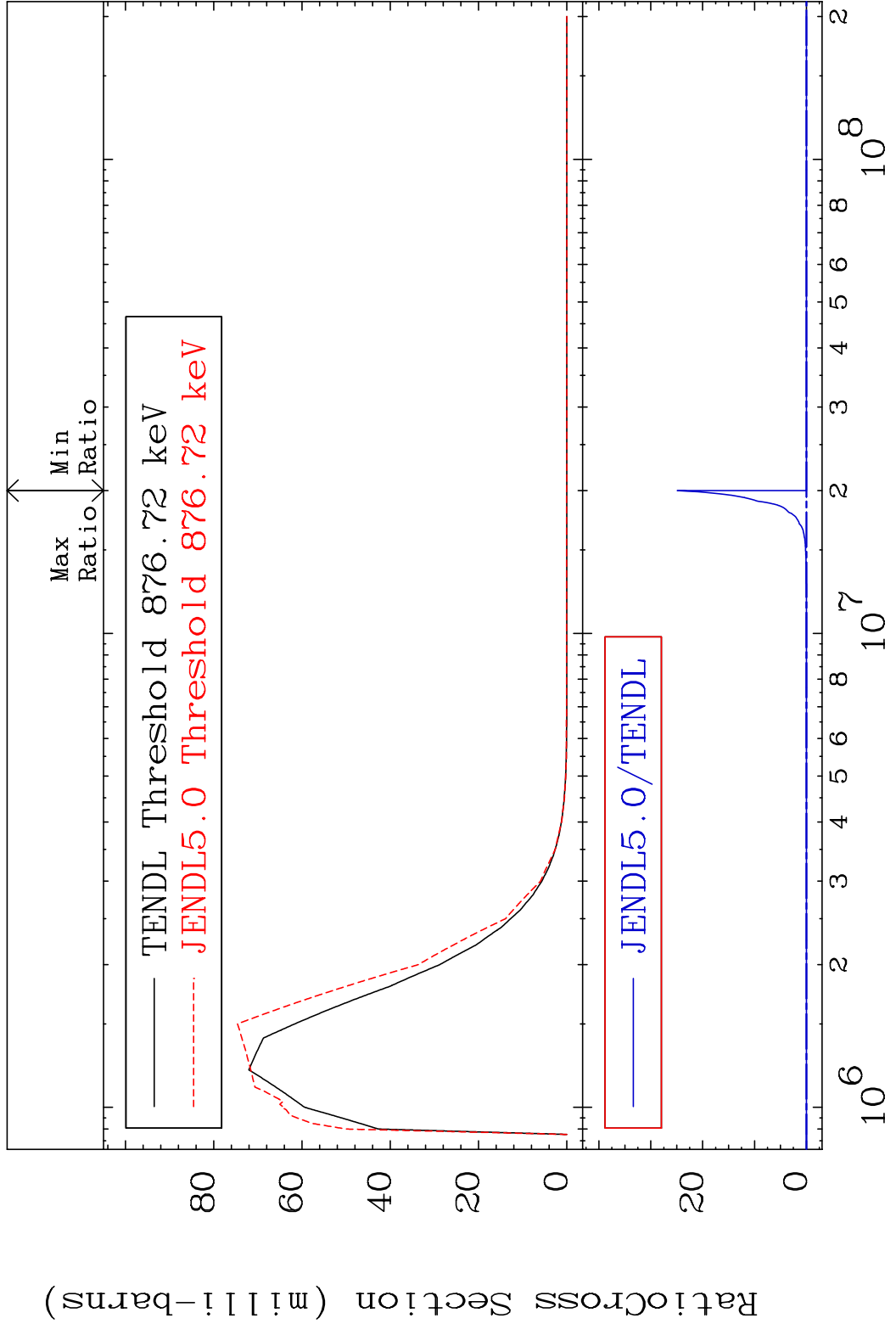
MAT 7046 MT= 69 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 107.1 %



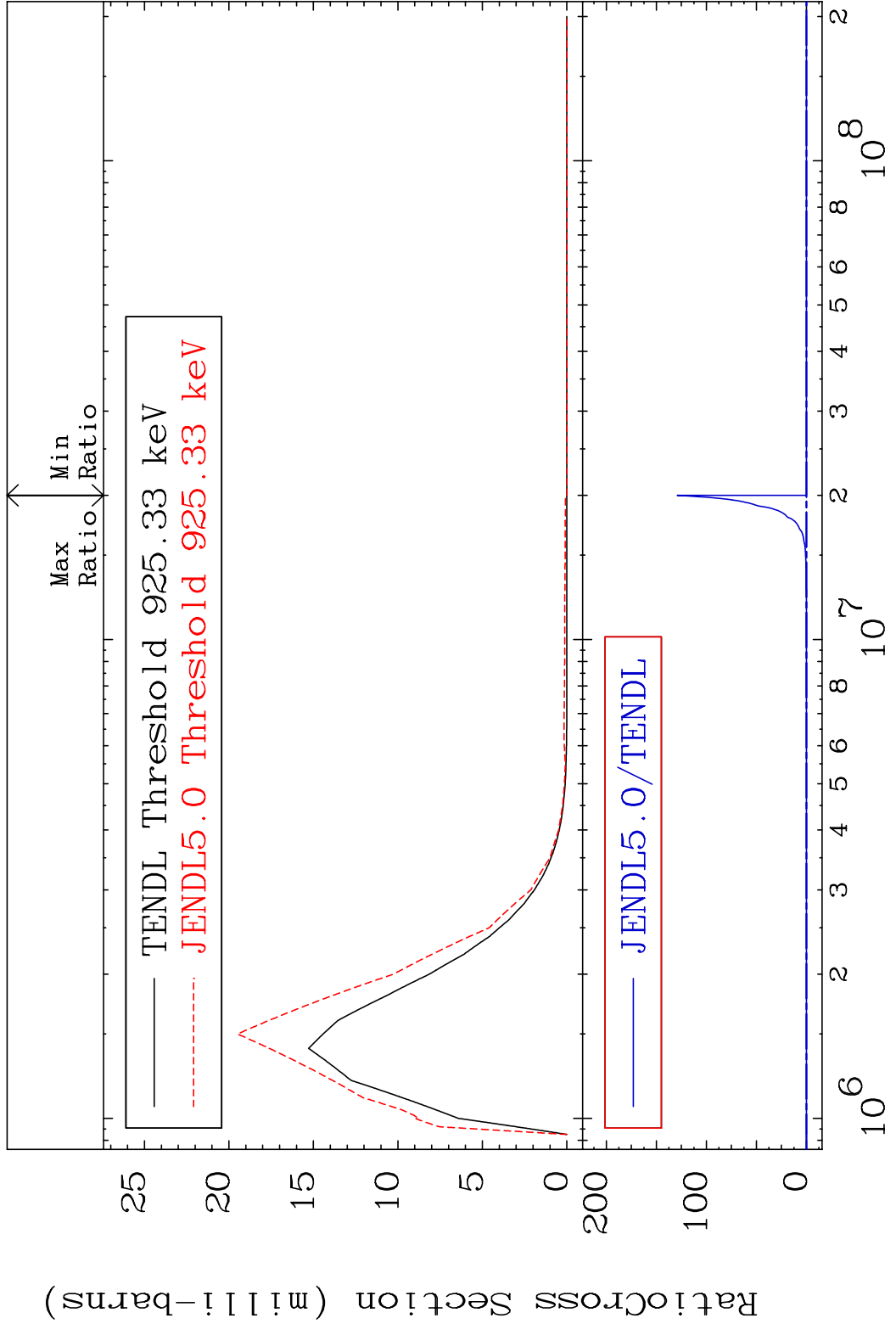
MAT 7046 MT= 70 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 110.4 %



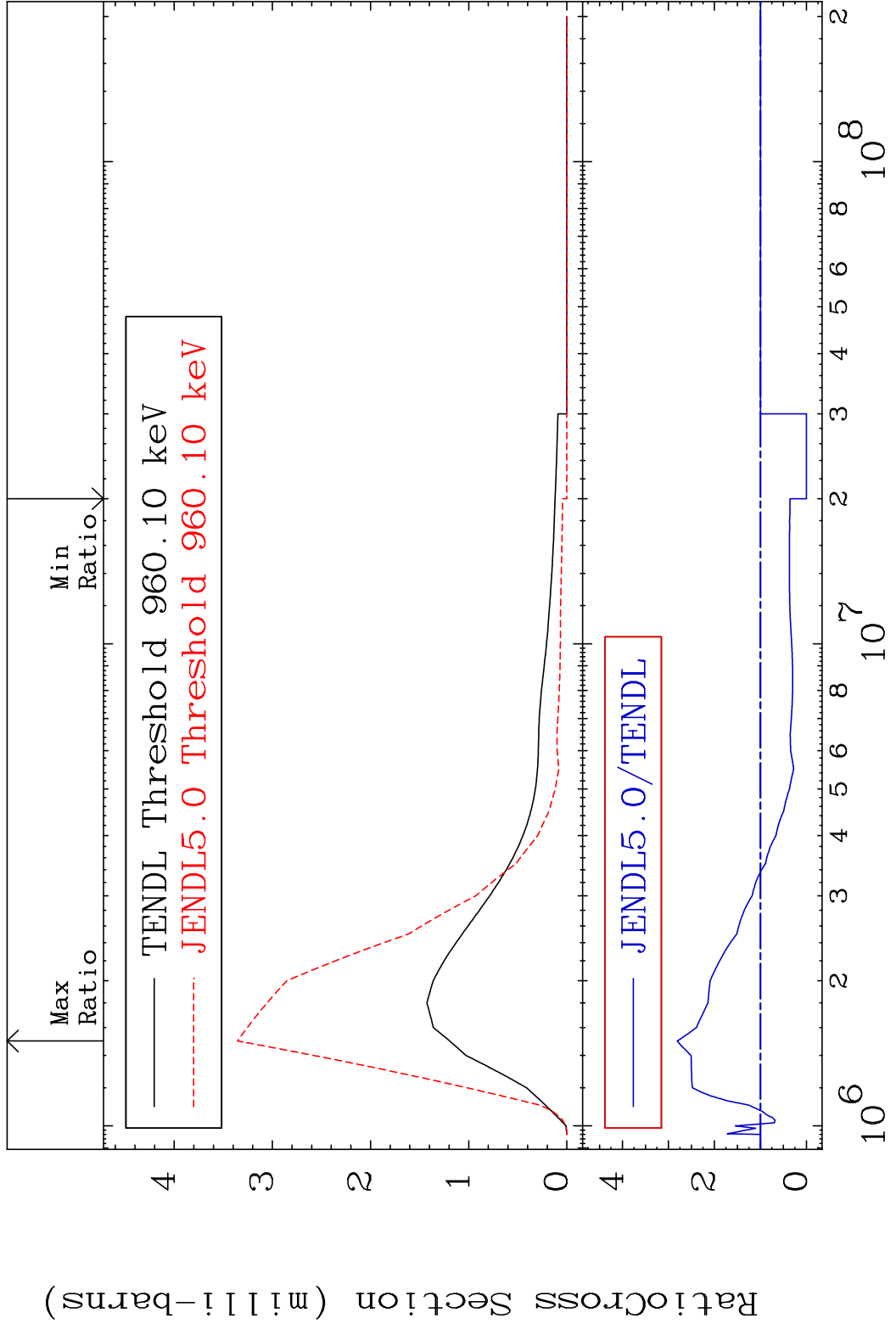
MAT 7046 MT= 71 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %



MAT 7046 MT= 72 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %

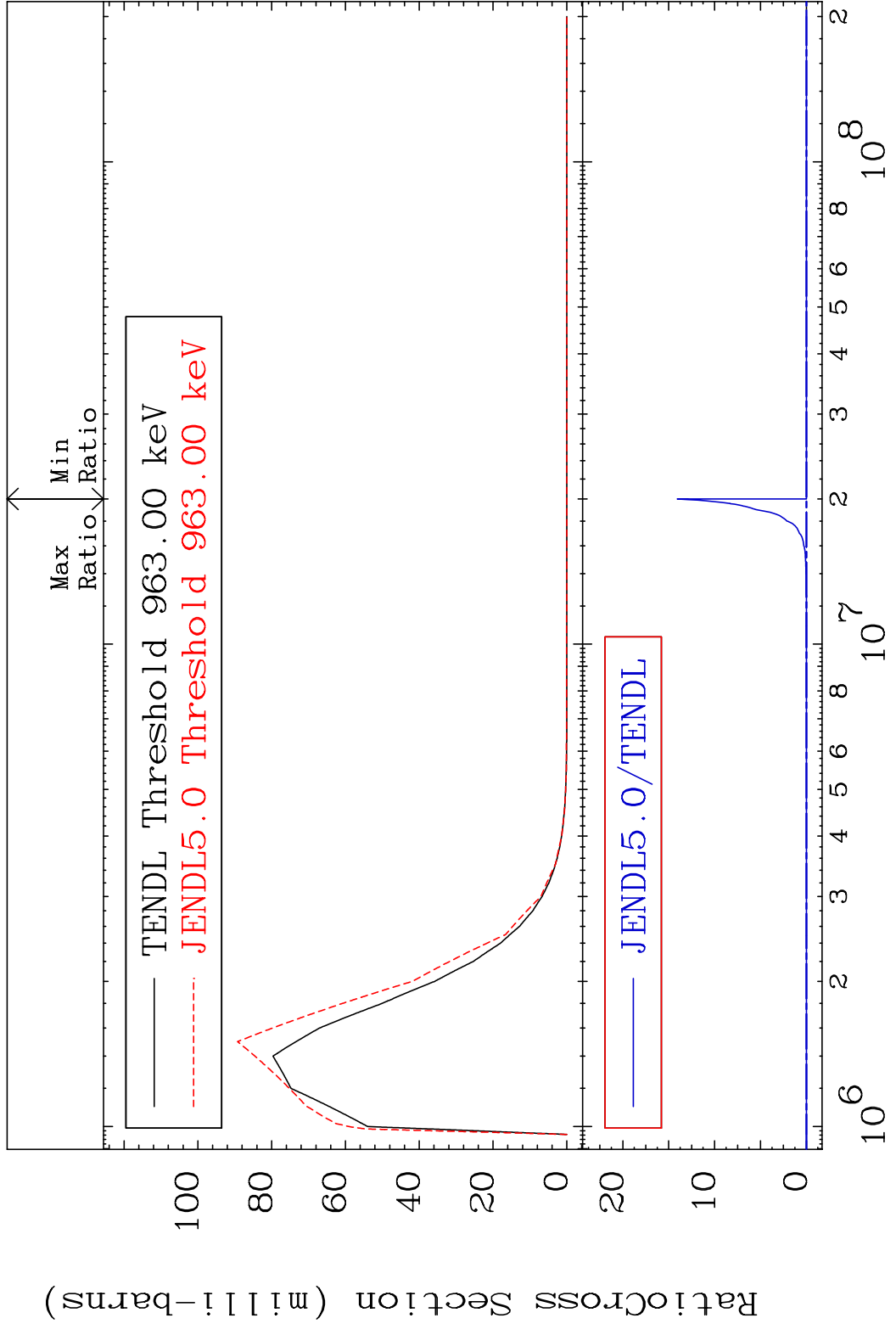


MAT 7046 MT= 73 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 181.0 %



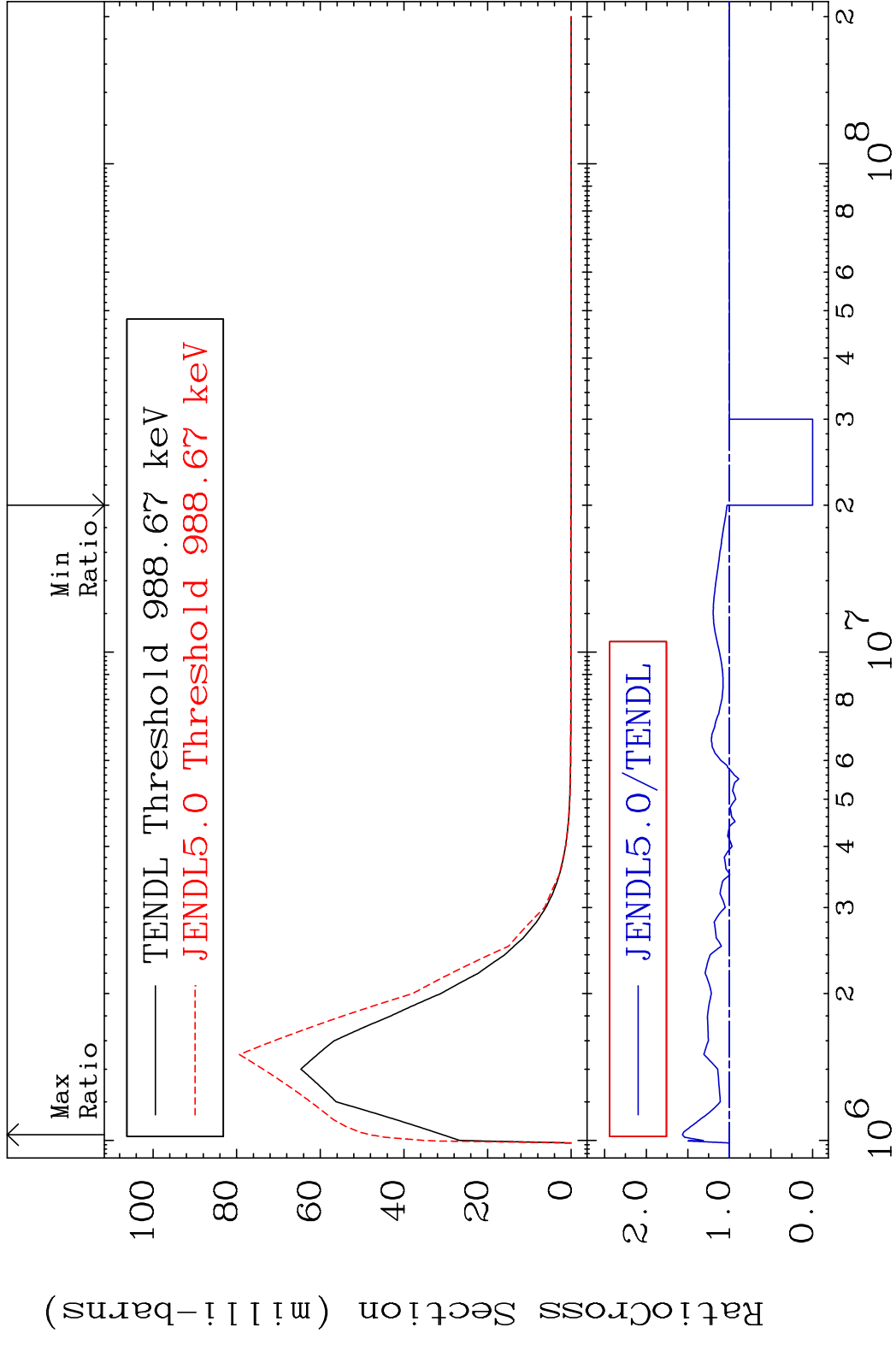
35 70-Yb-175

MAT 7046 MT= 74 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %

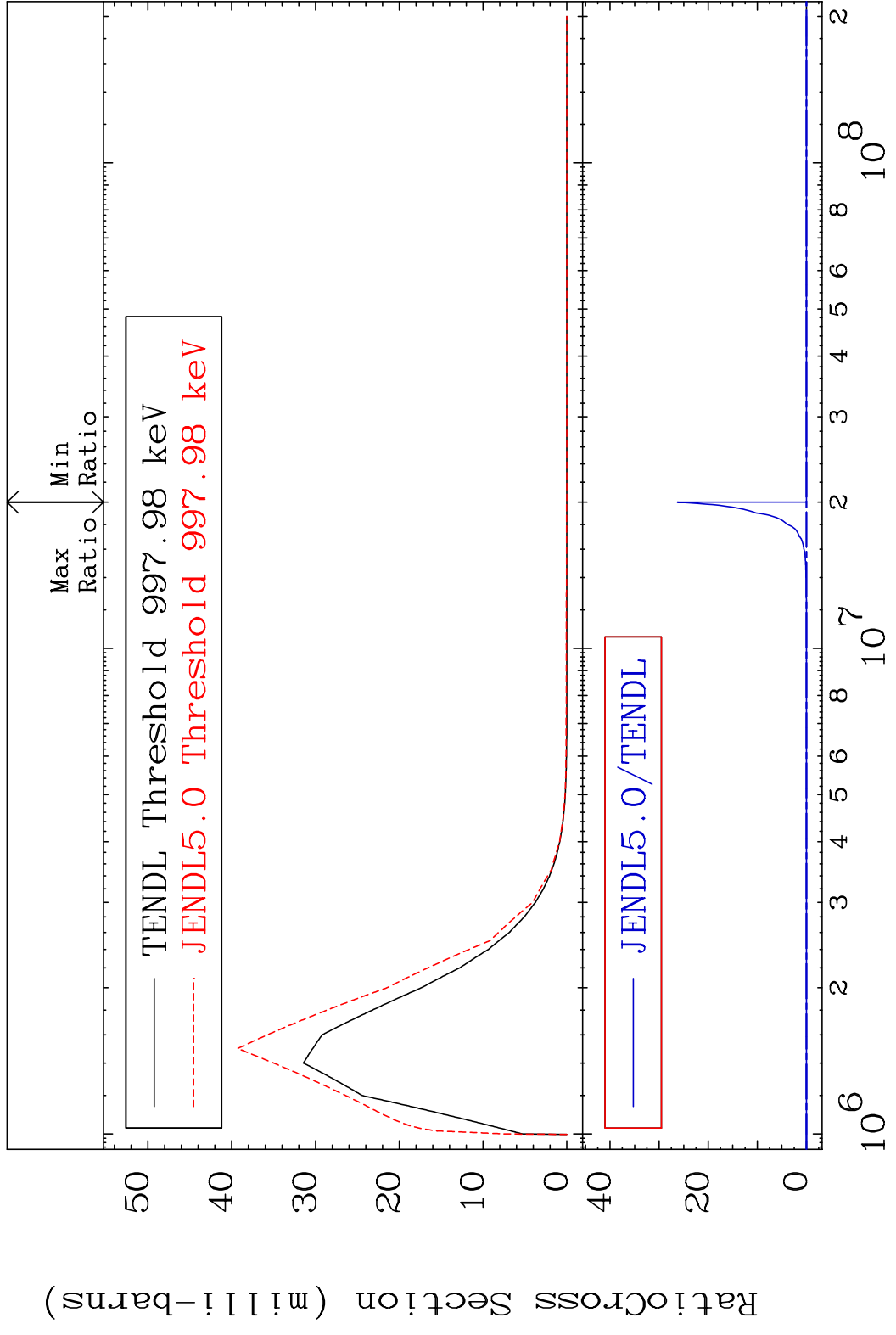


36 Incident Energy (eV) 70-Yb-175

MAT 7046 MT= 75 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 56.58 %

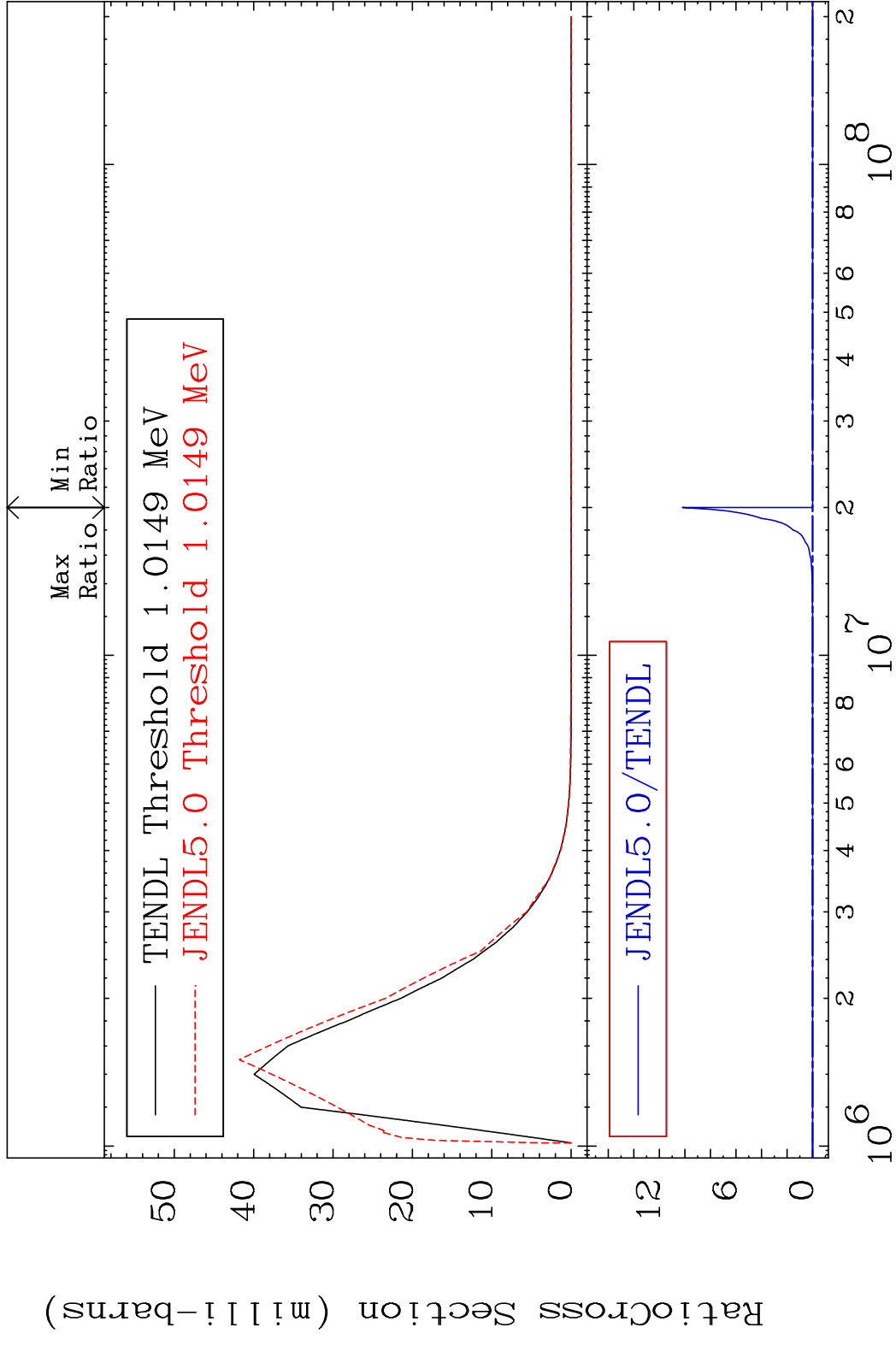


MAT 7046 MT= 76 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %



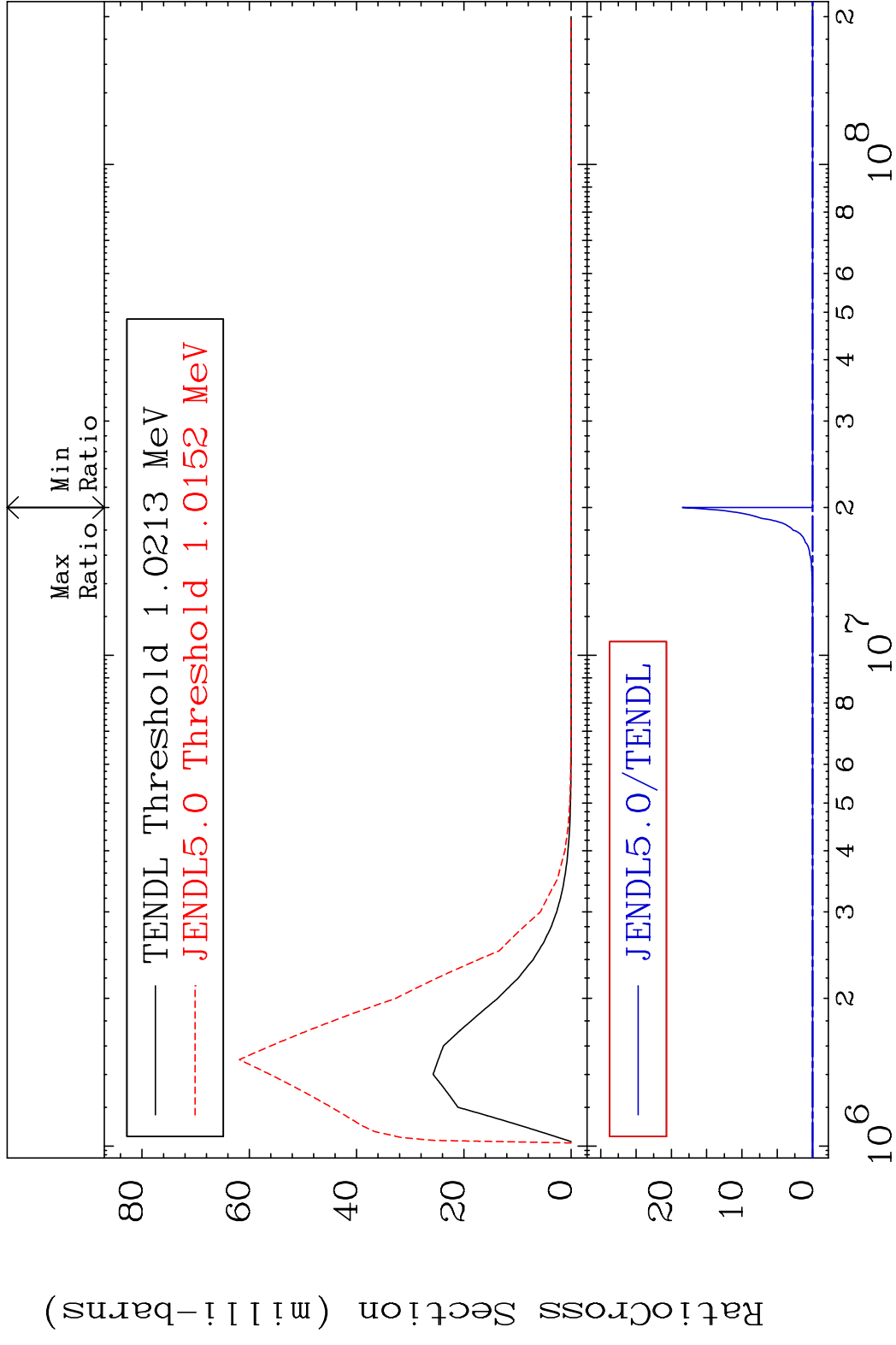
38 Incident Energy (eV) 70-Yb-175

MAT 7046 MT= 77 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %

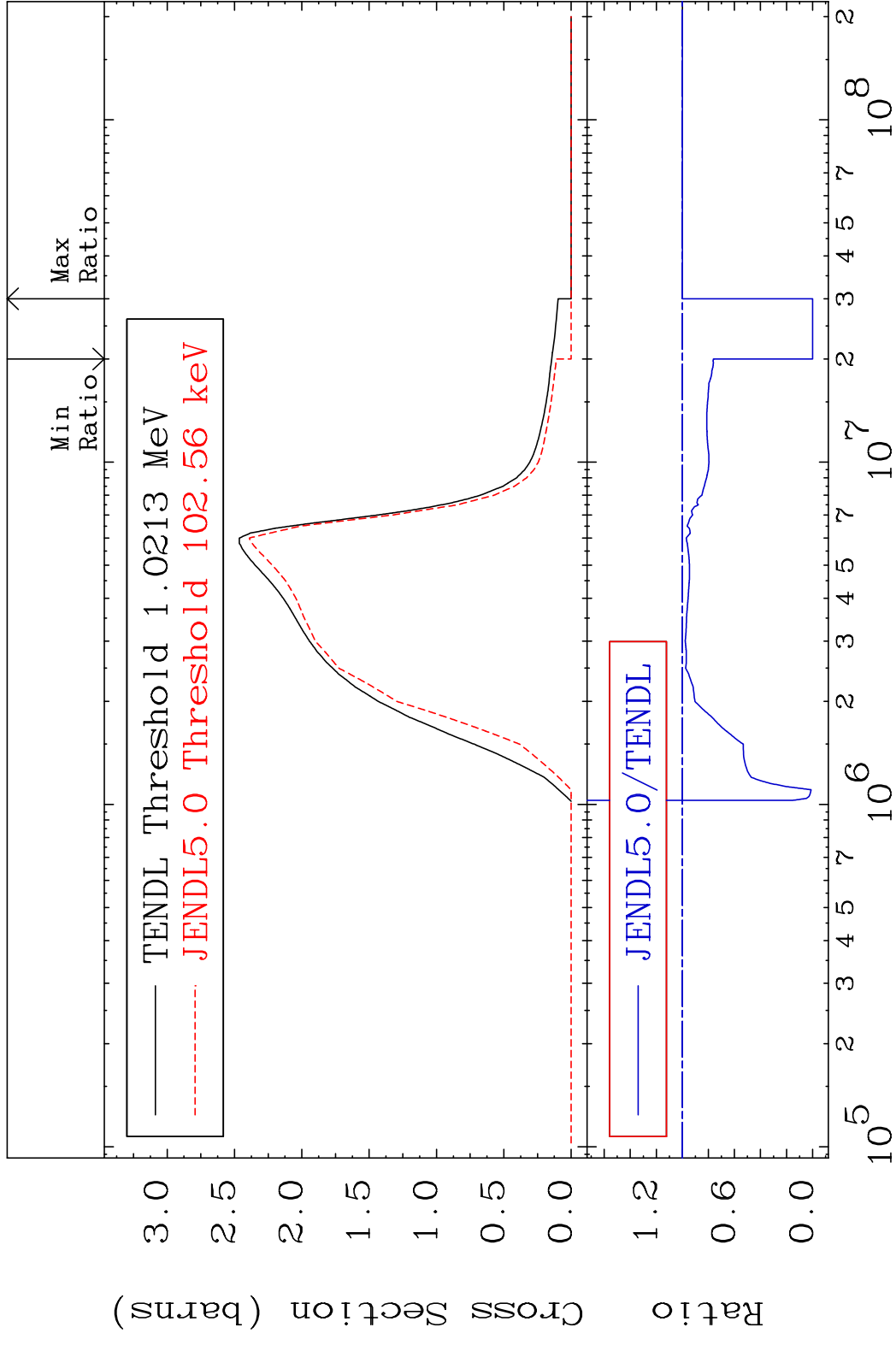


39 Incident Energy (eV) 70-Yb-175

MAT 7046 MT= 78 (n, n') Level 70-Yb-175
 Cross Section -100.0 To 9999. %



40 2 2 3 4 5 6 8 10⁸ 2

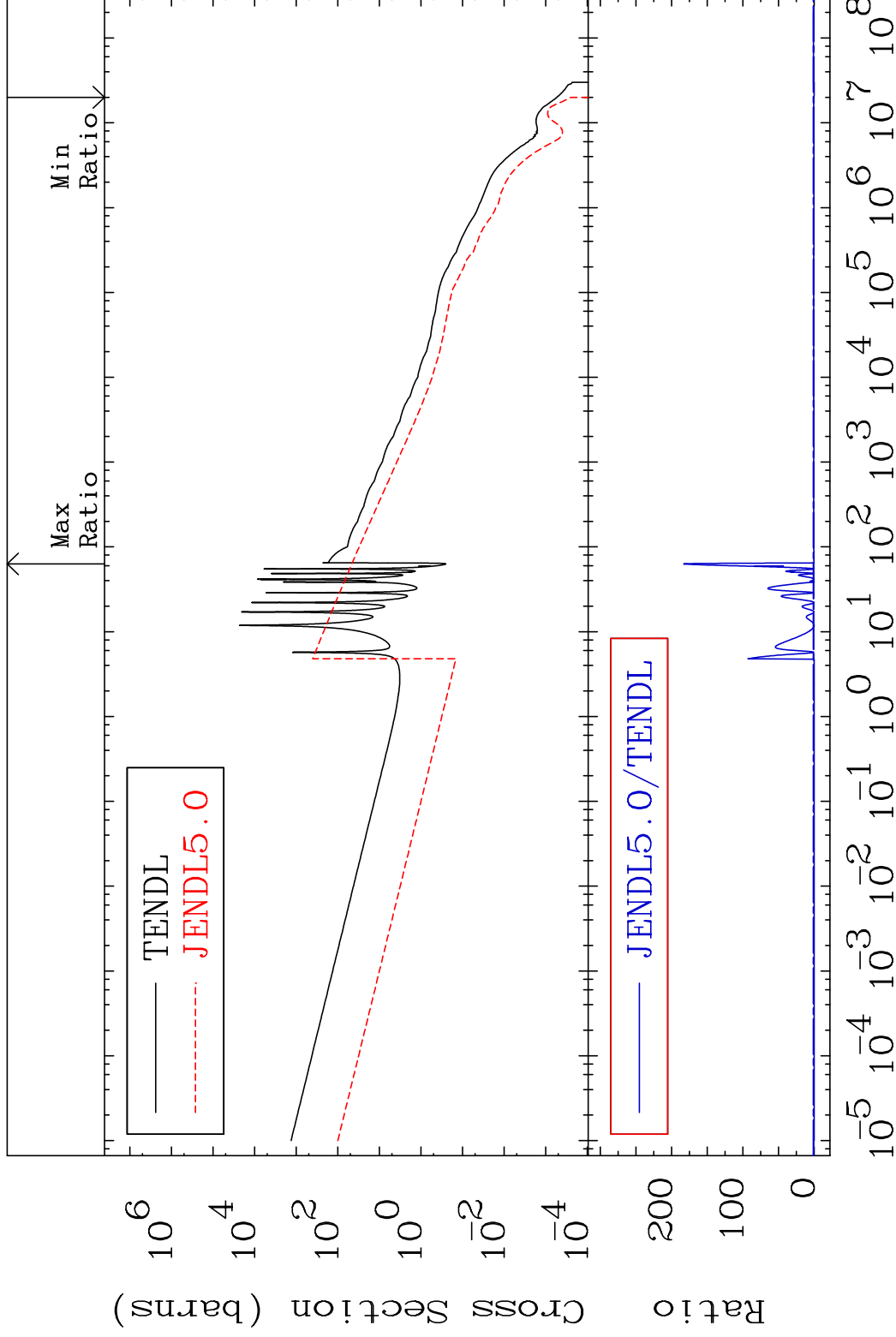


MAT 7046

(n, γ)

Cross Section -100.0 To 9999. %

70-Yb-175

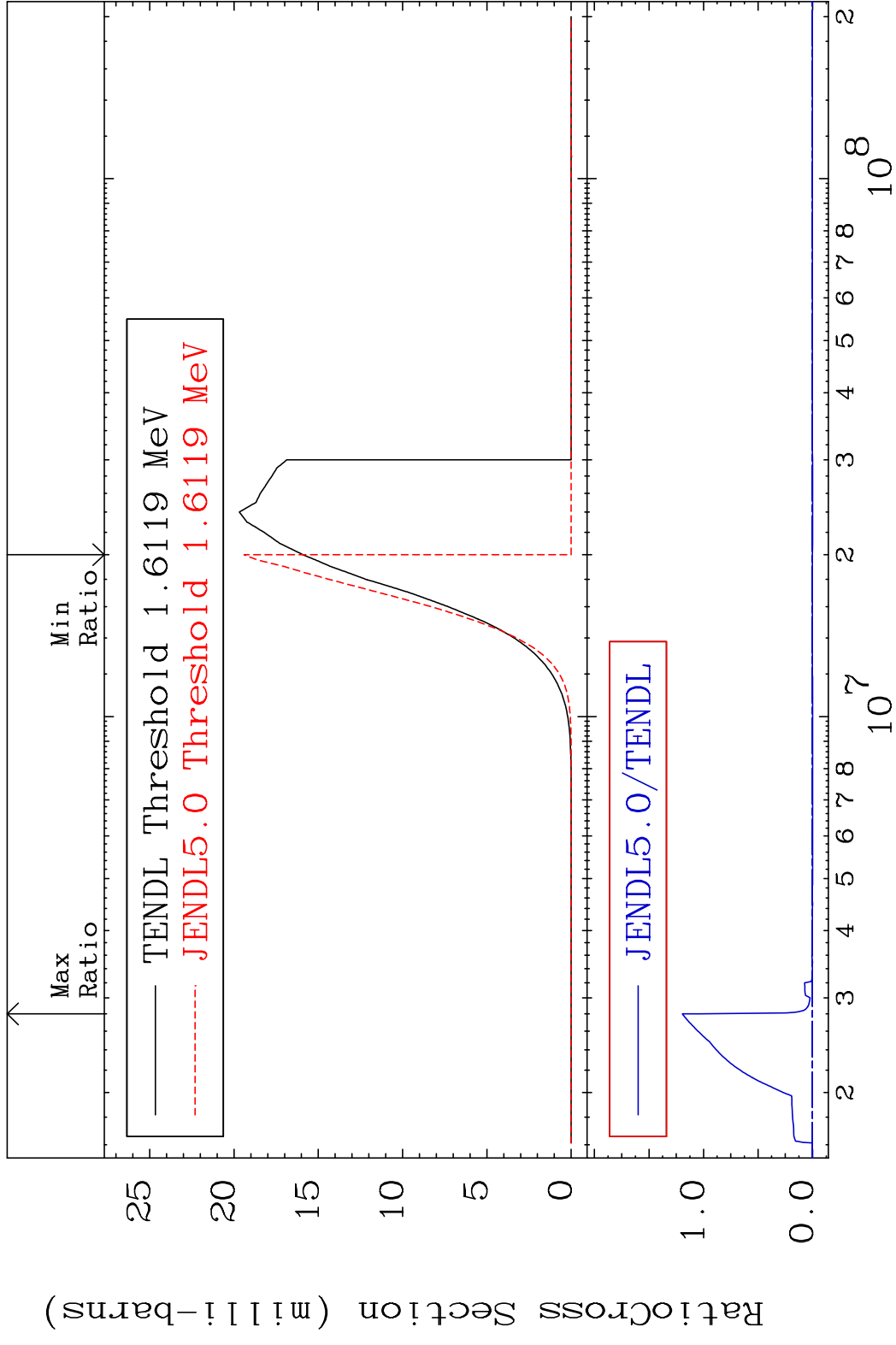


42

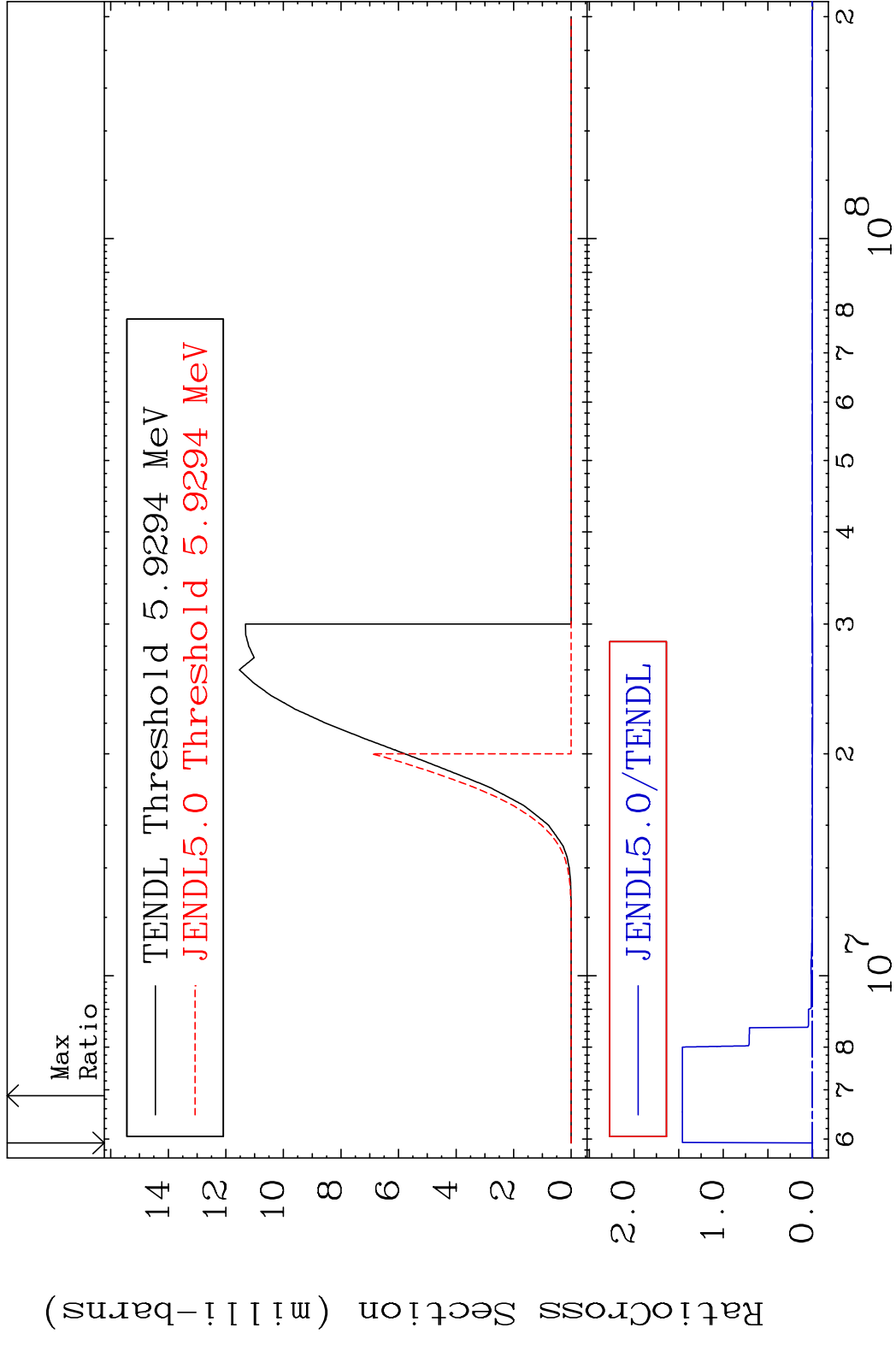
Incident Energy (eV)

70-Yb-175

MAT 7046 (n,p) 70-Yb-175
 Cross Section -100.0 To 9999. %



MAT 7046 (n,d) 70-Yb-175
 Cross Section -100.0 To 9999. %

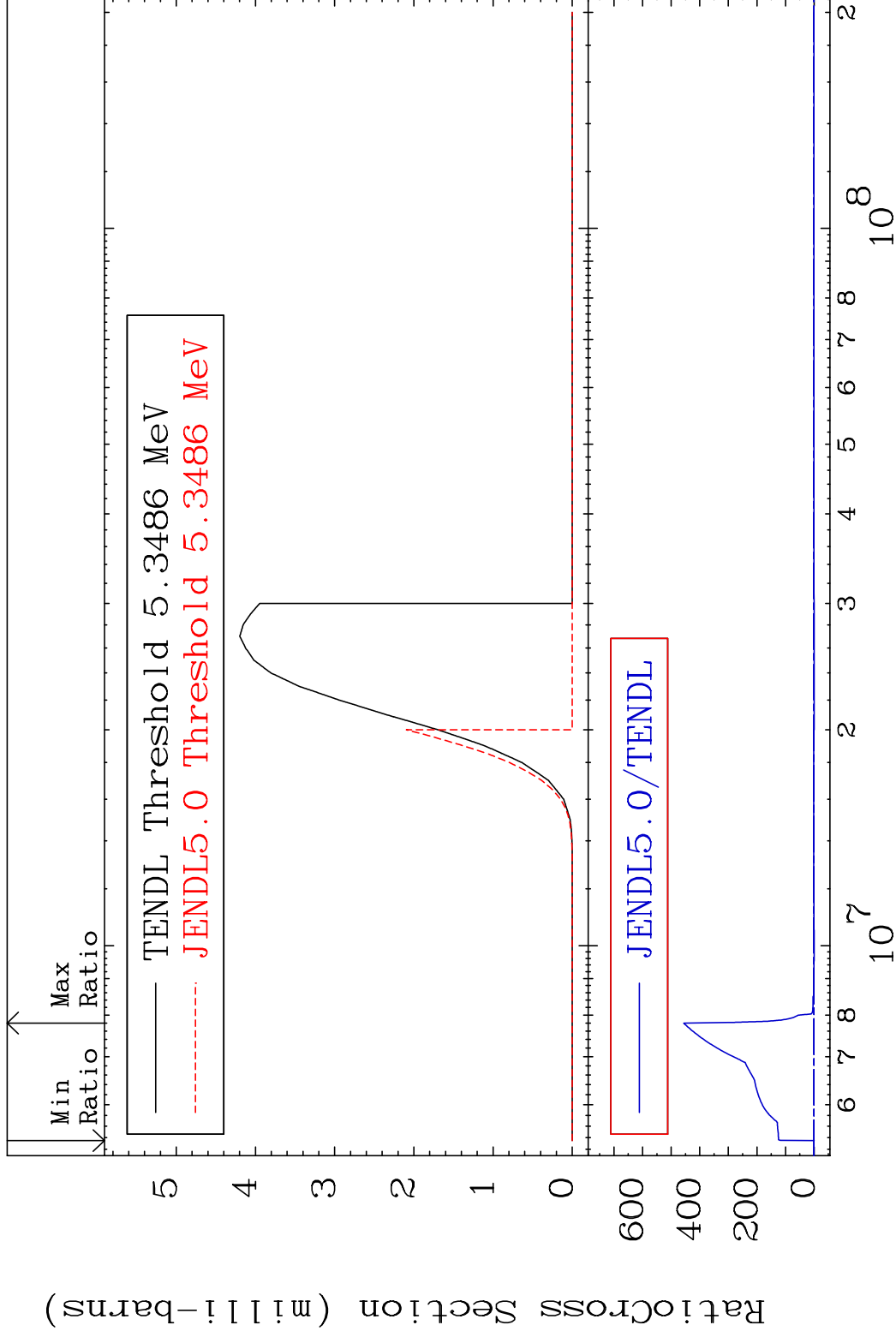


MAT 7046

(n, t)

70-Yb-175

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

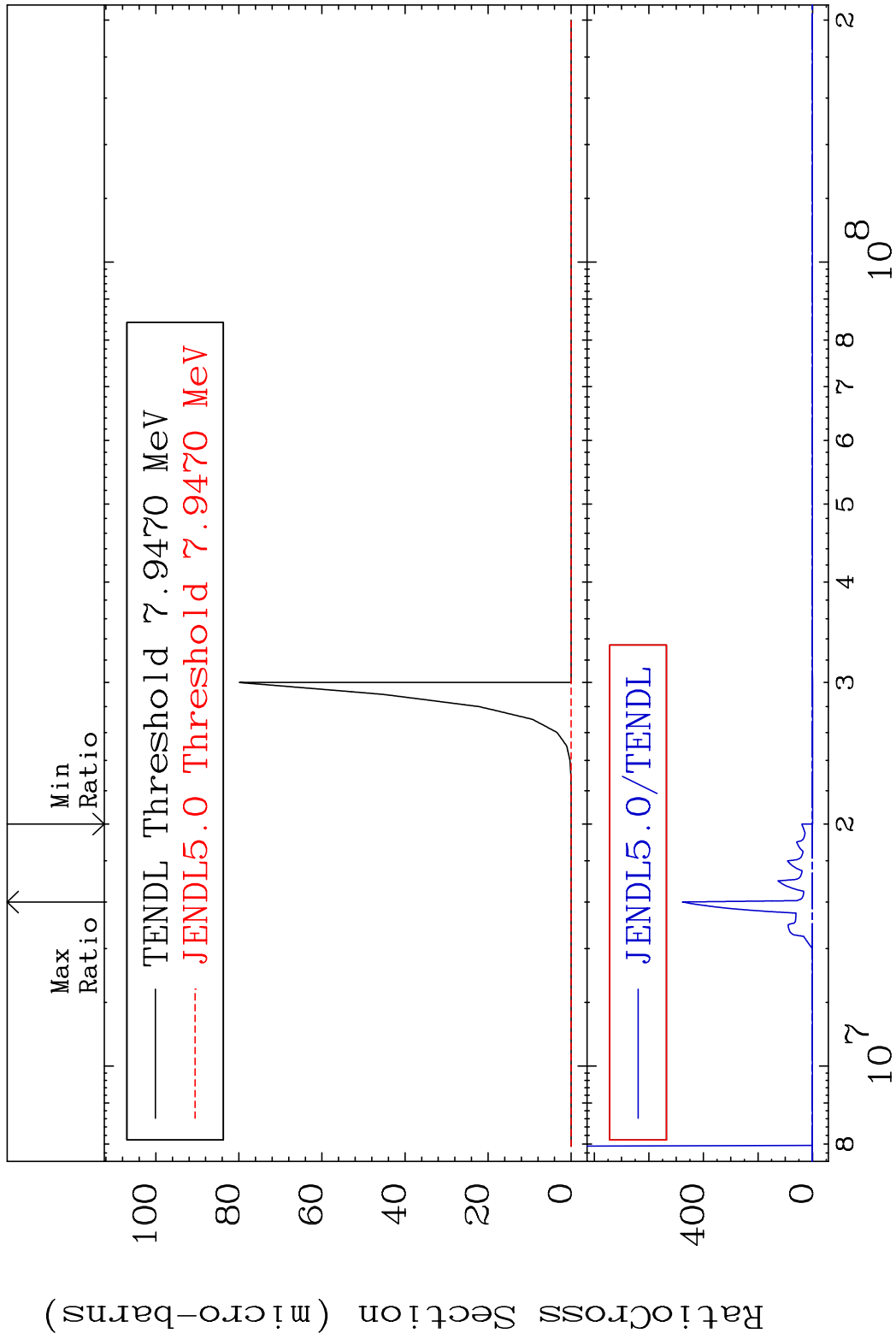
70-Yb-175

MAT 7046

(n, He-3)

70-Yb-175

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

70-Yb-175

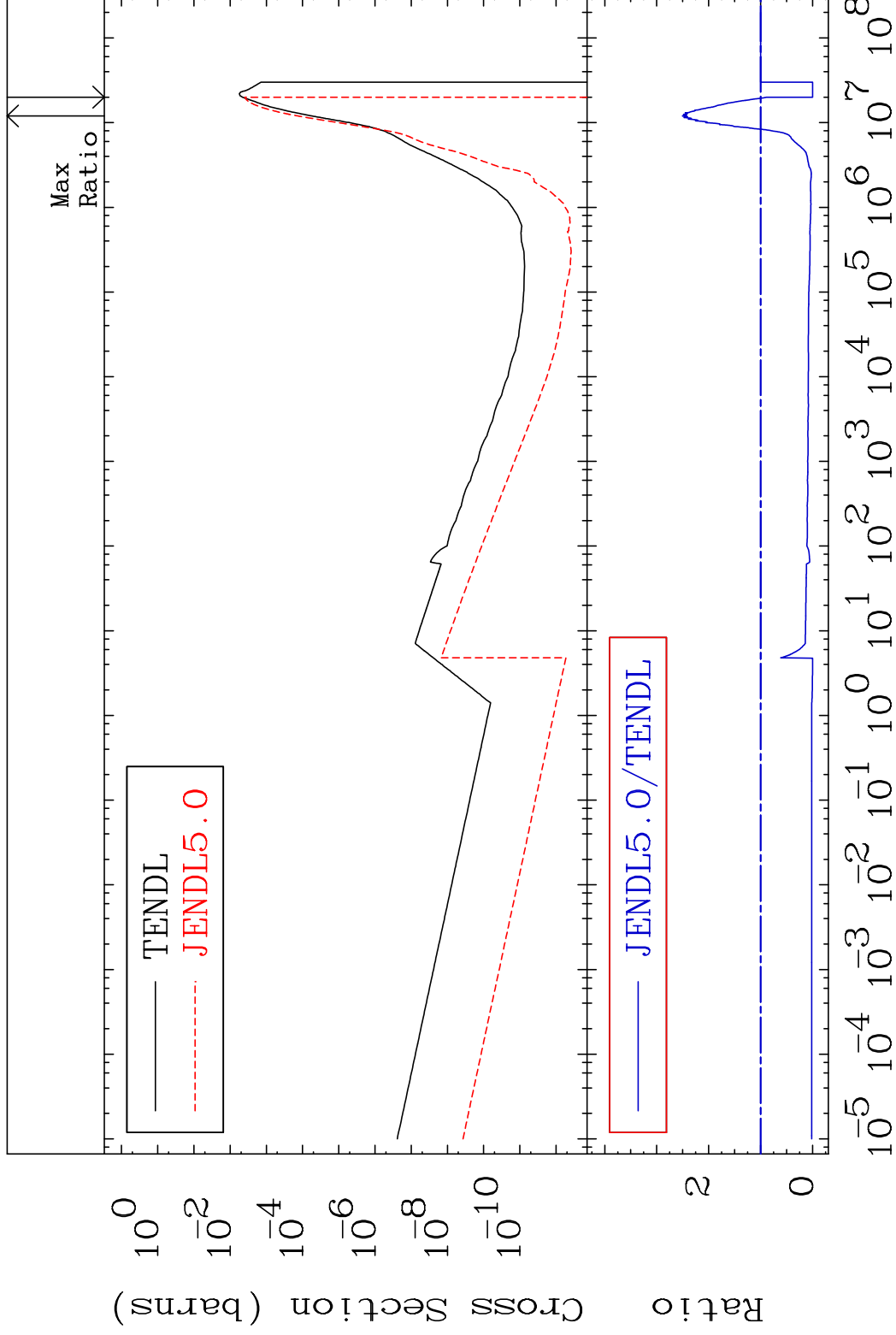
MAT 7046

(n, α)

70-Yb-175

Cross Section

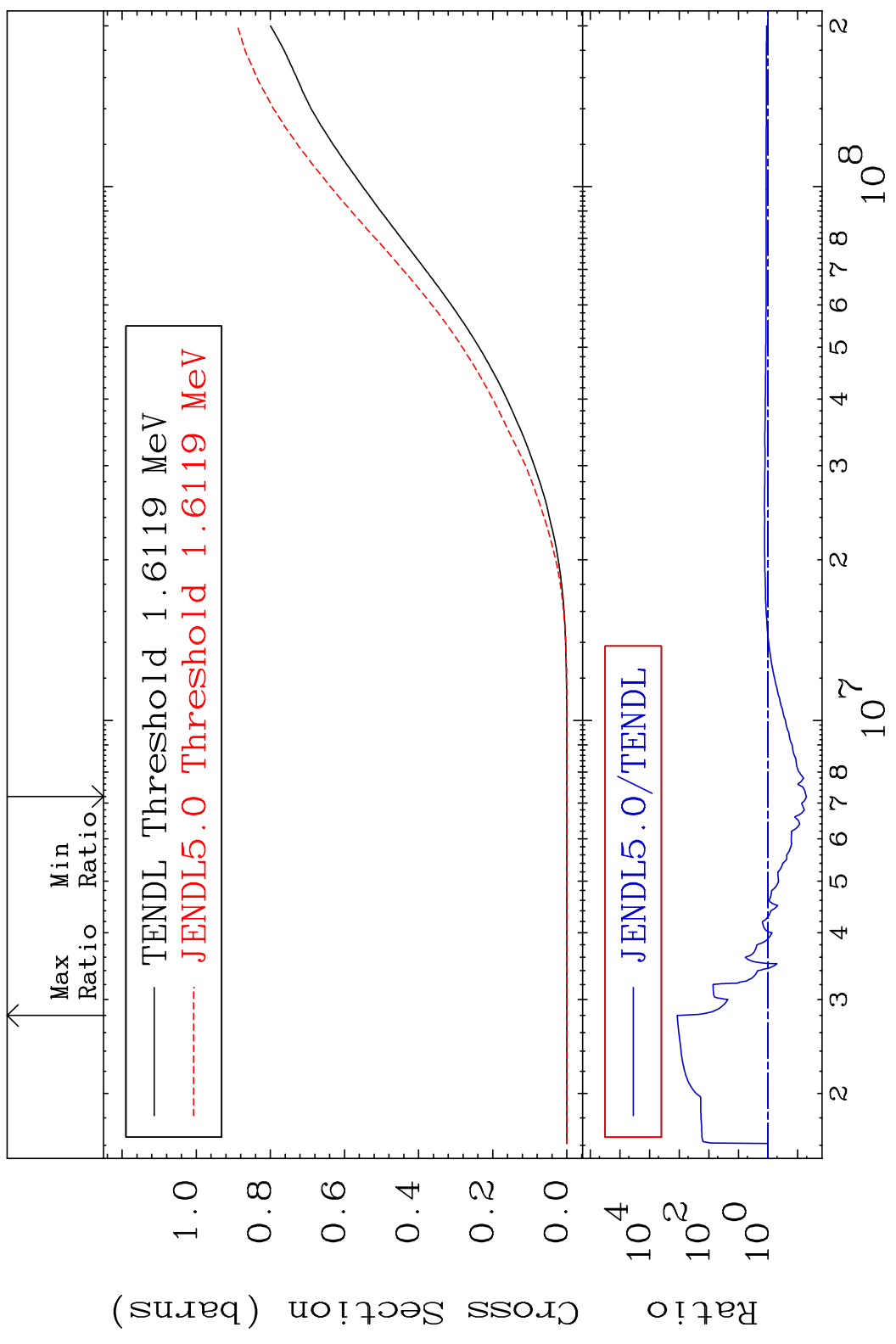
-100.0 To 150.6 %



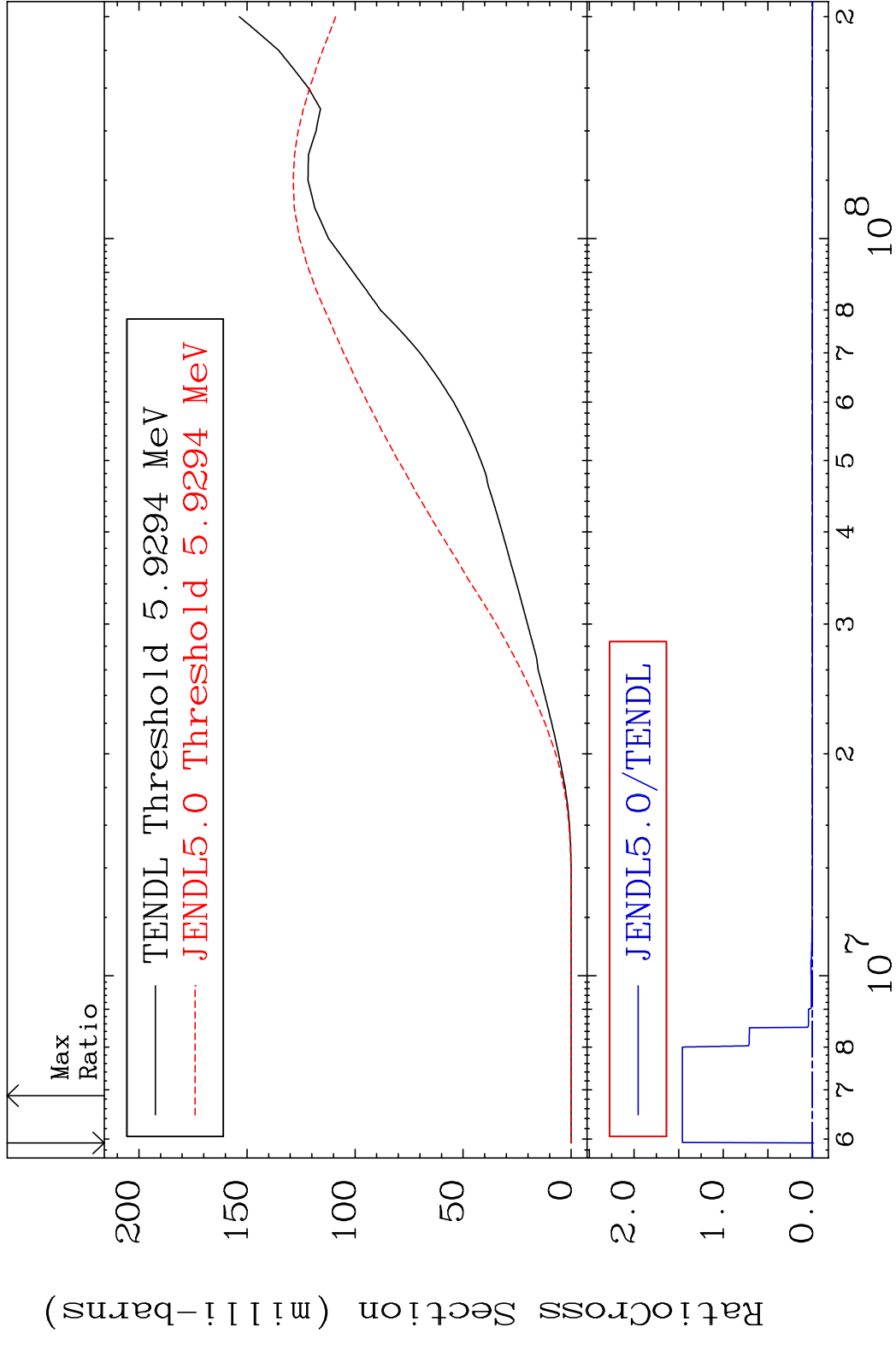
47

Incident Energy (eV)

70-Yb-175



MAT 7046 Deuterium Production 70-Yb-175
 Cross Section -100.0 To 9999. %

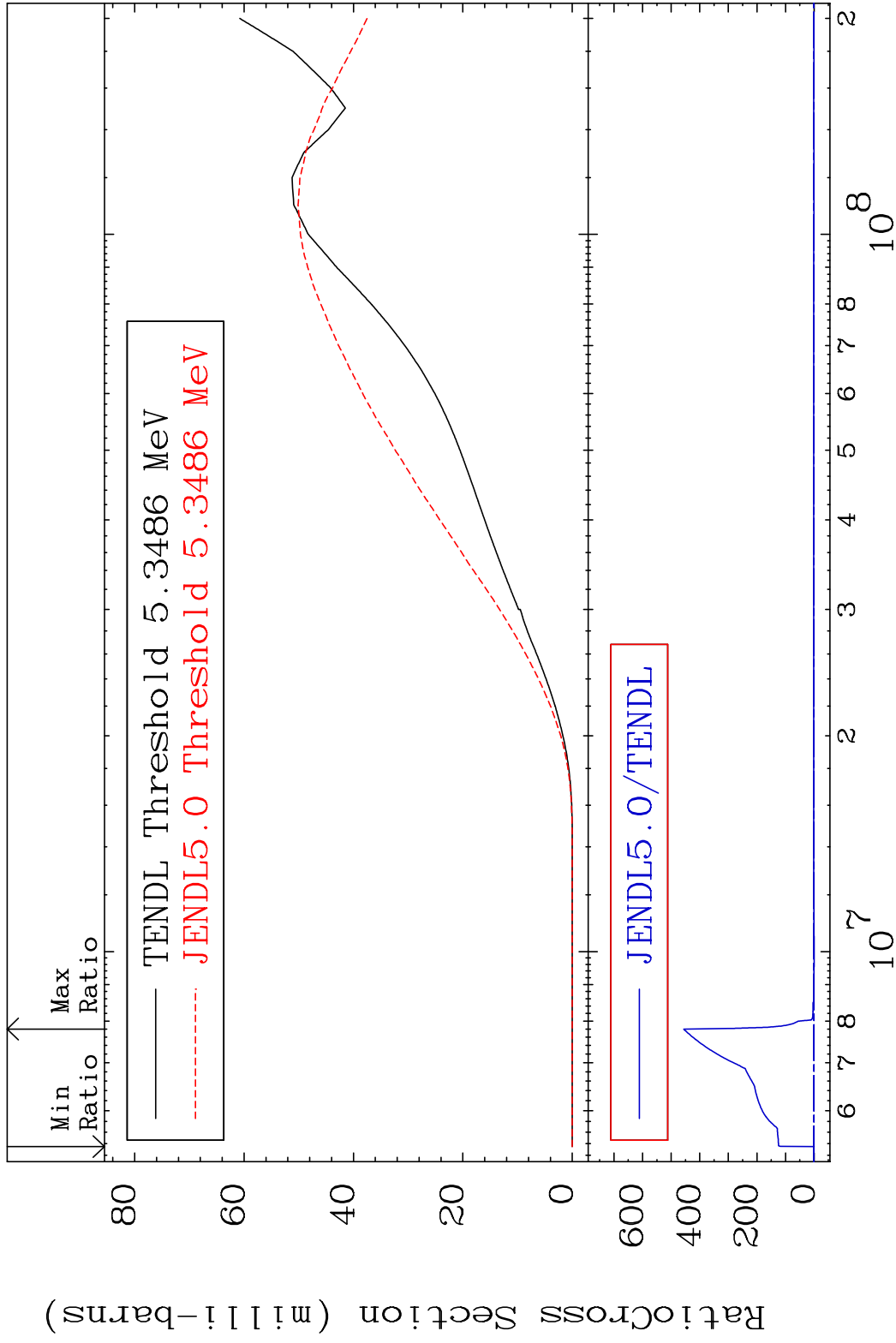


MAT 7046

Tritium Production

70-Yb-175

Cross Section -100.0 To 9999. %

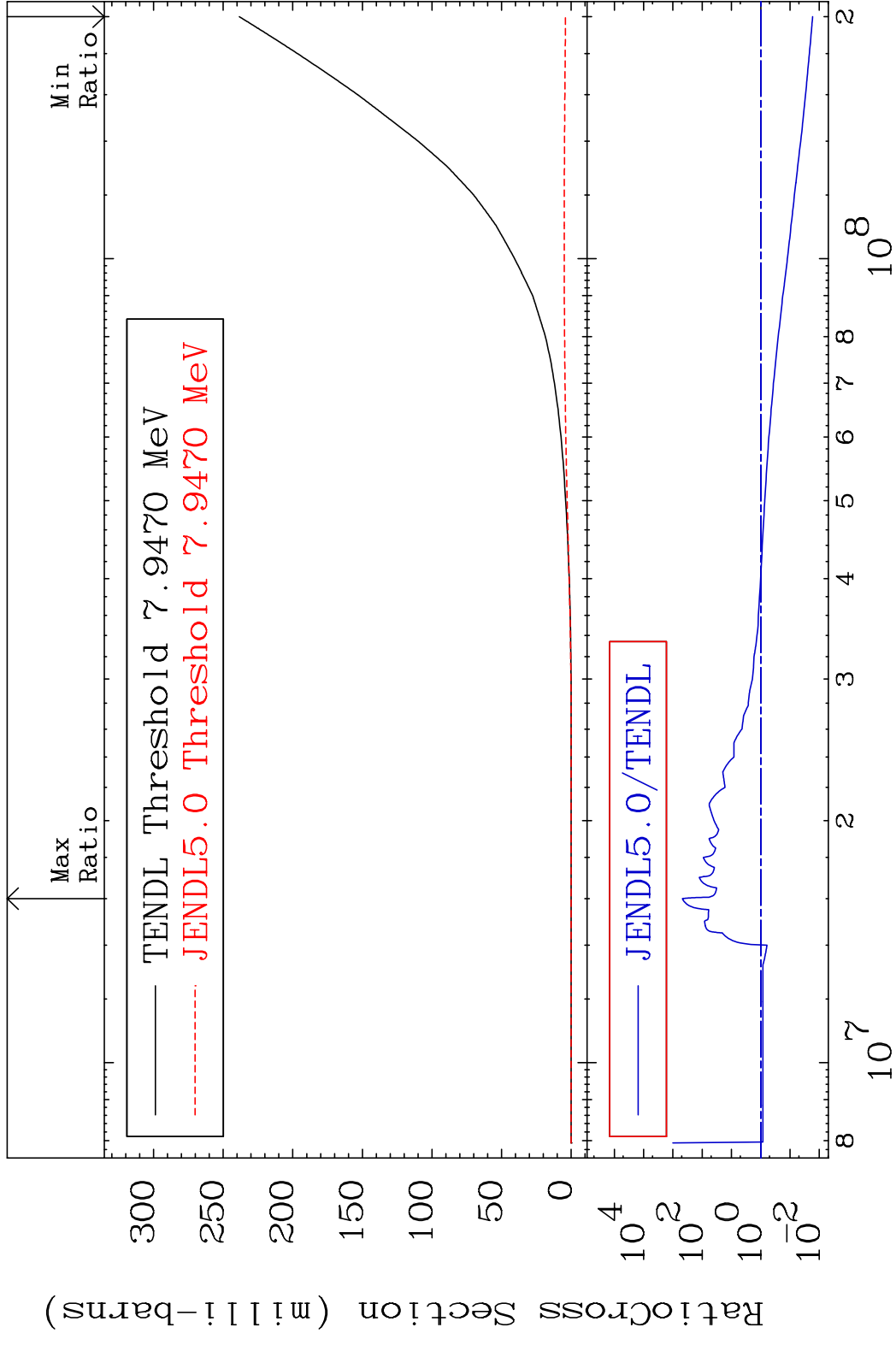


50

Incident Energy (eV)

70-Yb-175

MAT 7046 He-3 Production 70-Yb-175
 Cross Section -98.30 To 9999. %

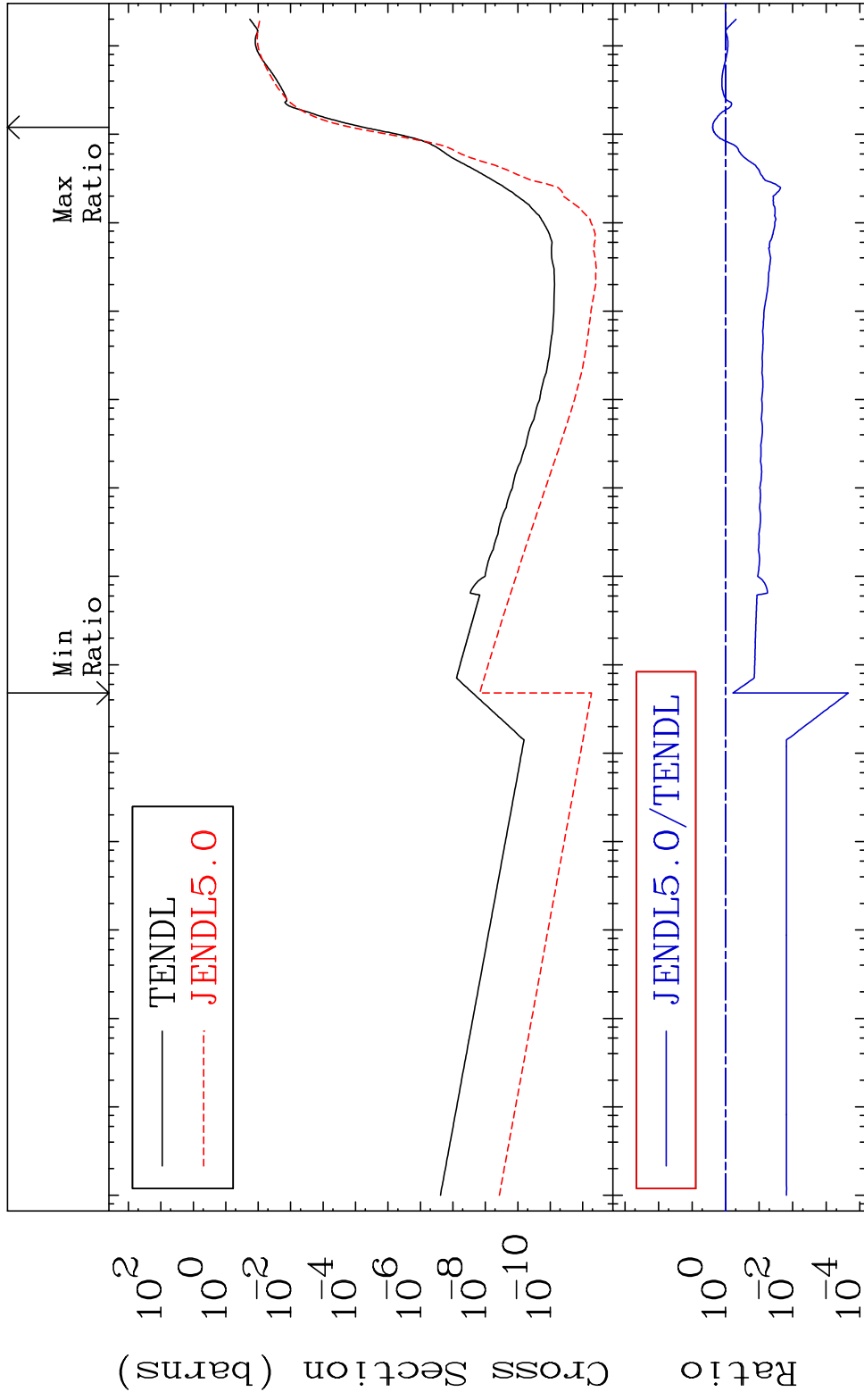


MAT 7046

He-4 Production

70-Yb-175

Cross Section -99.98 To 148.2 %

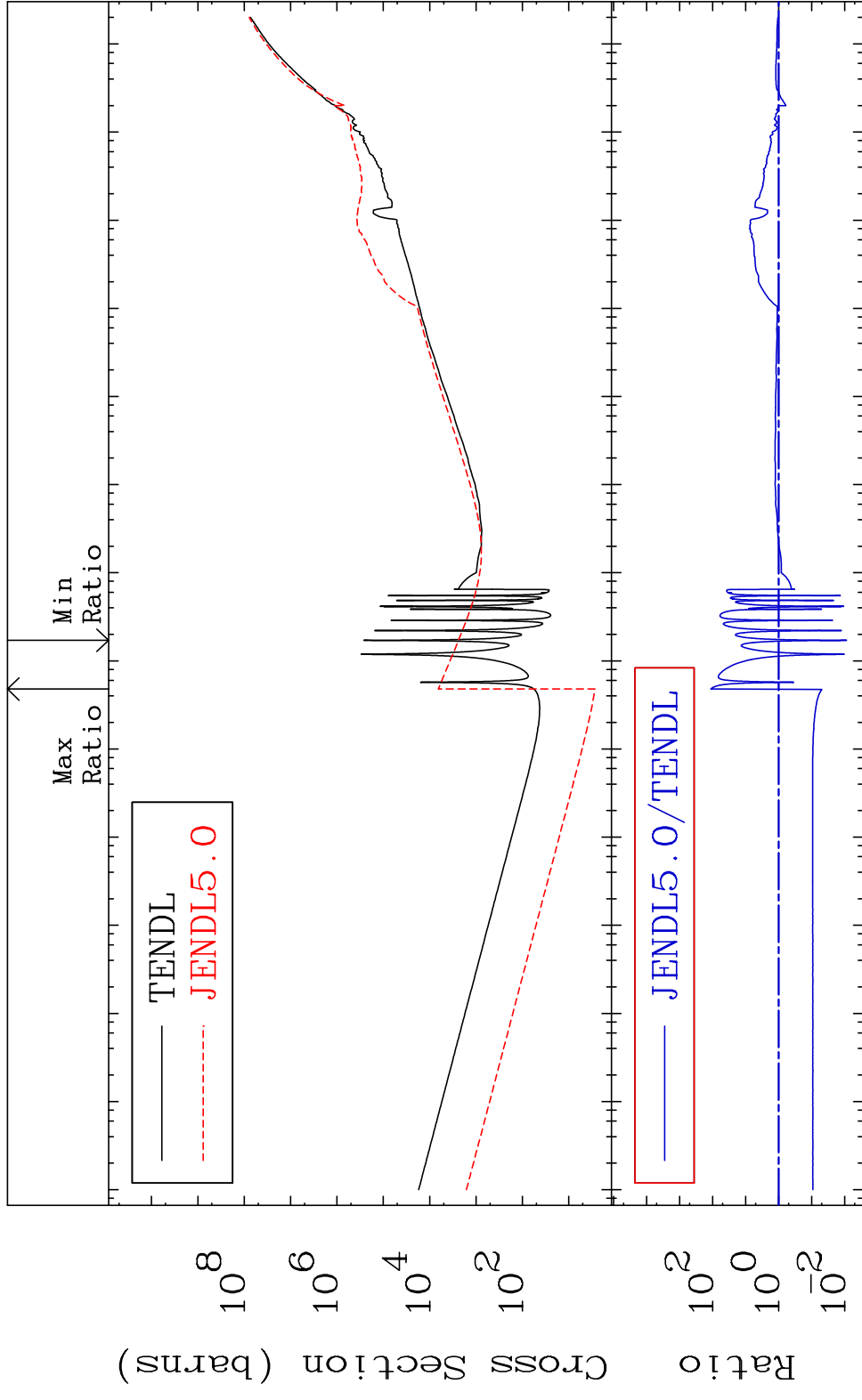


52

Incident Energy (eV)

70-Yb-175

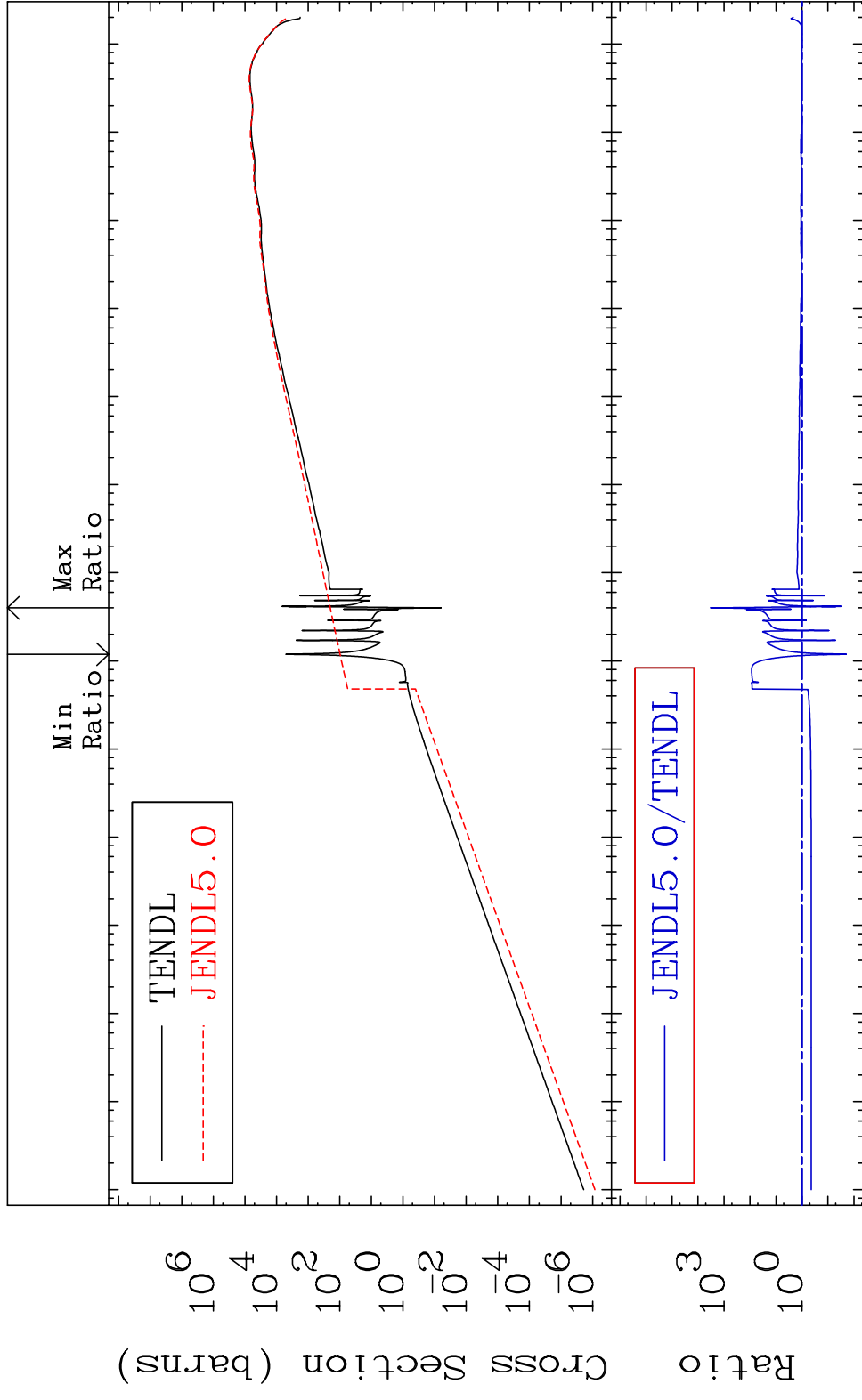
MAT 7046 Kerma total (eV-barns) 70-Yb-175
 Cross Section -99.10 To 9999. %



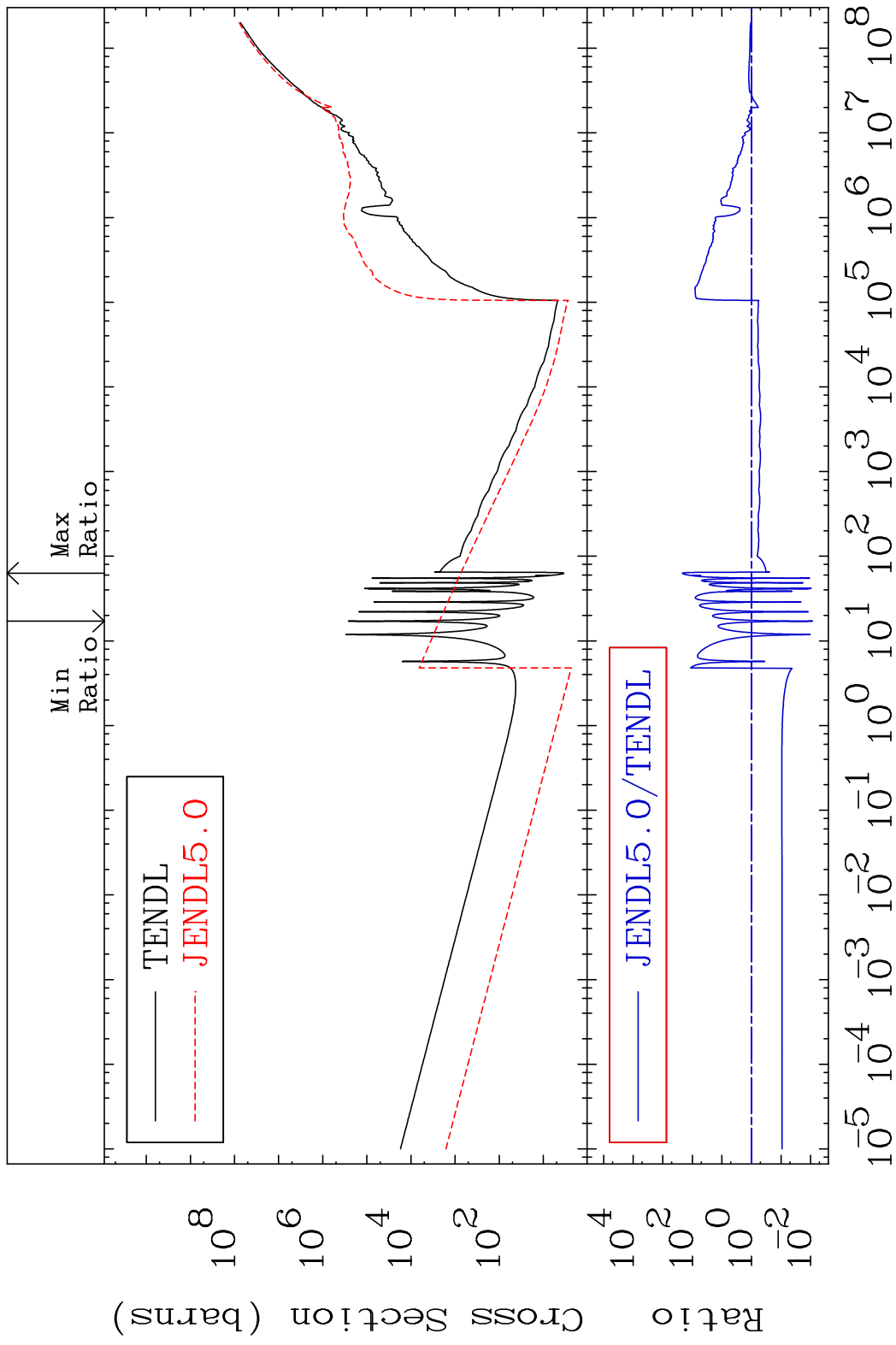
MAT 7046

Kerma elastic Cross Section -98.04 To 9999. %

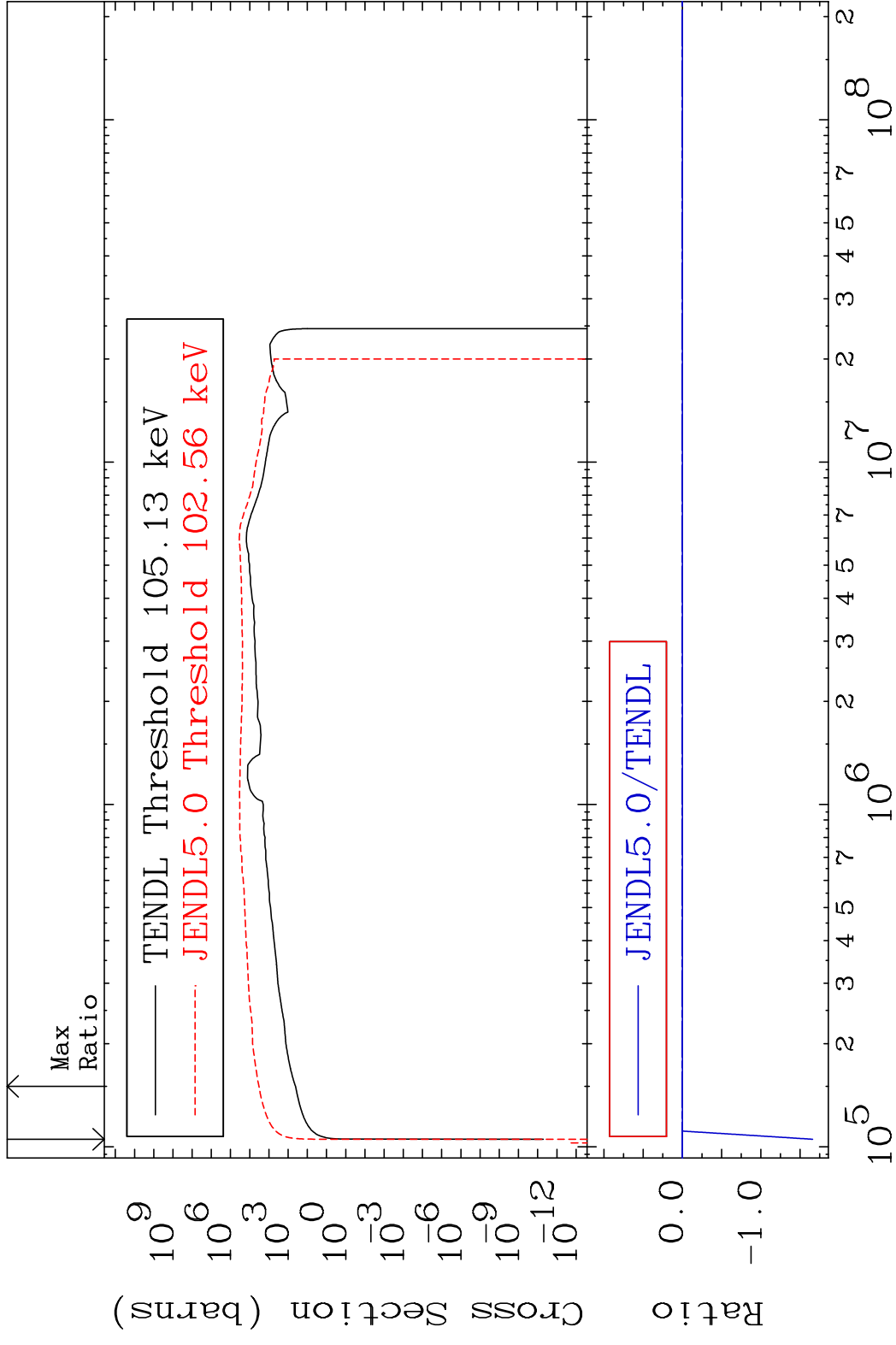
70-Yb-175



MAT 7046 Kerma non-elastic (all but mt2) 70-Yb-175
 Cross Section -99.14 To 9999. %

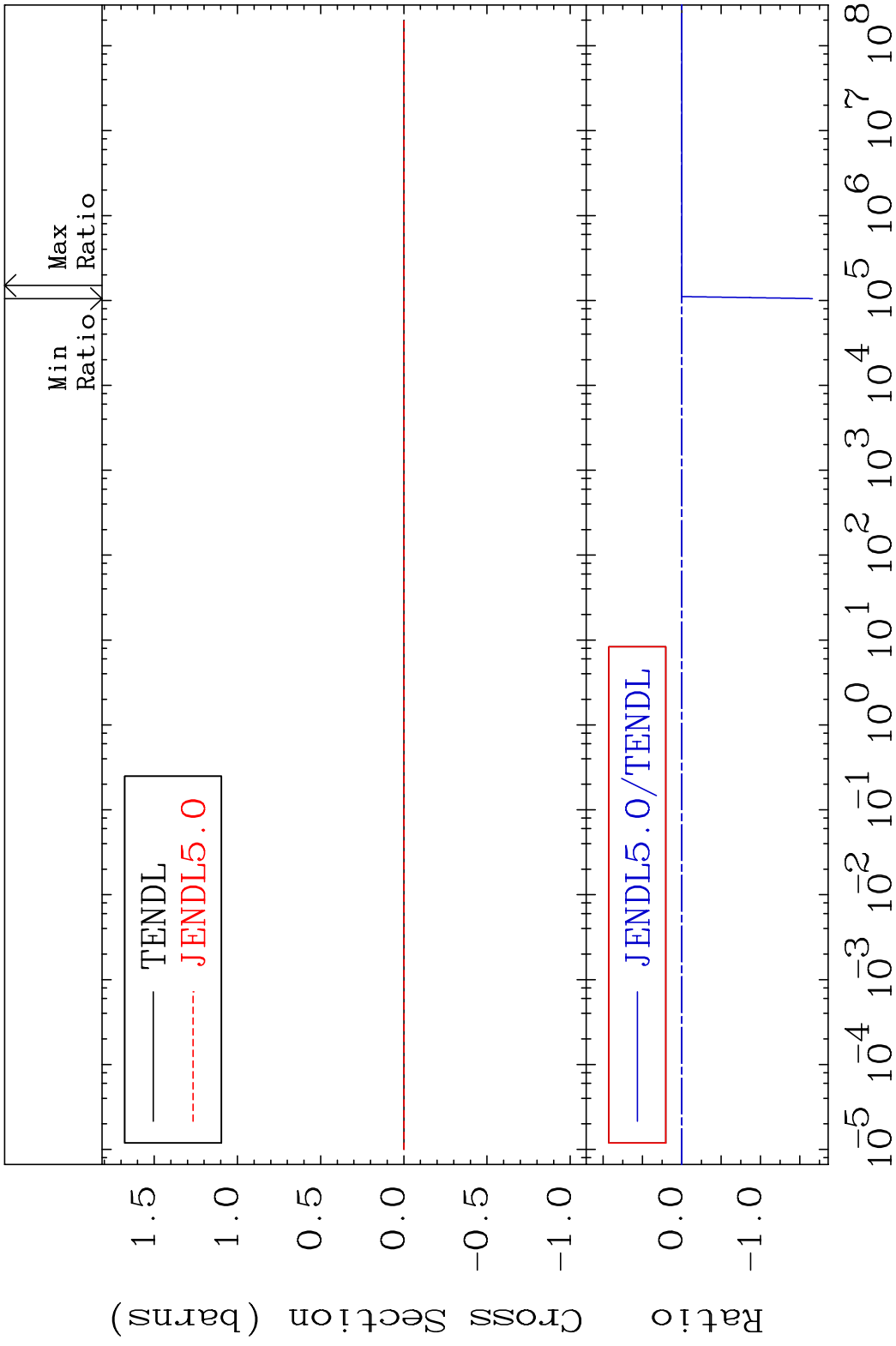


MAT 7046 Kerma inelastic (mt51-91) 70-Yb-175
 Cross Section -9999. To 8070. %



56 Incident Energy (eV) 70-Yb-175

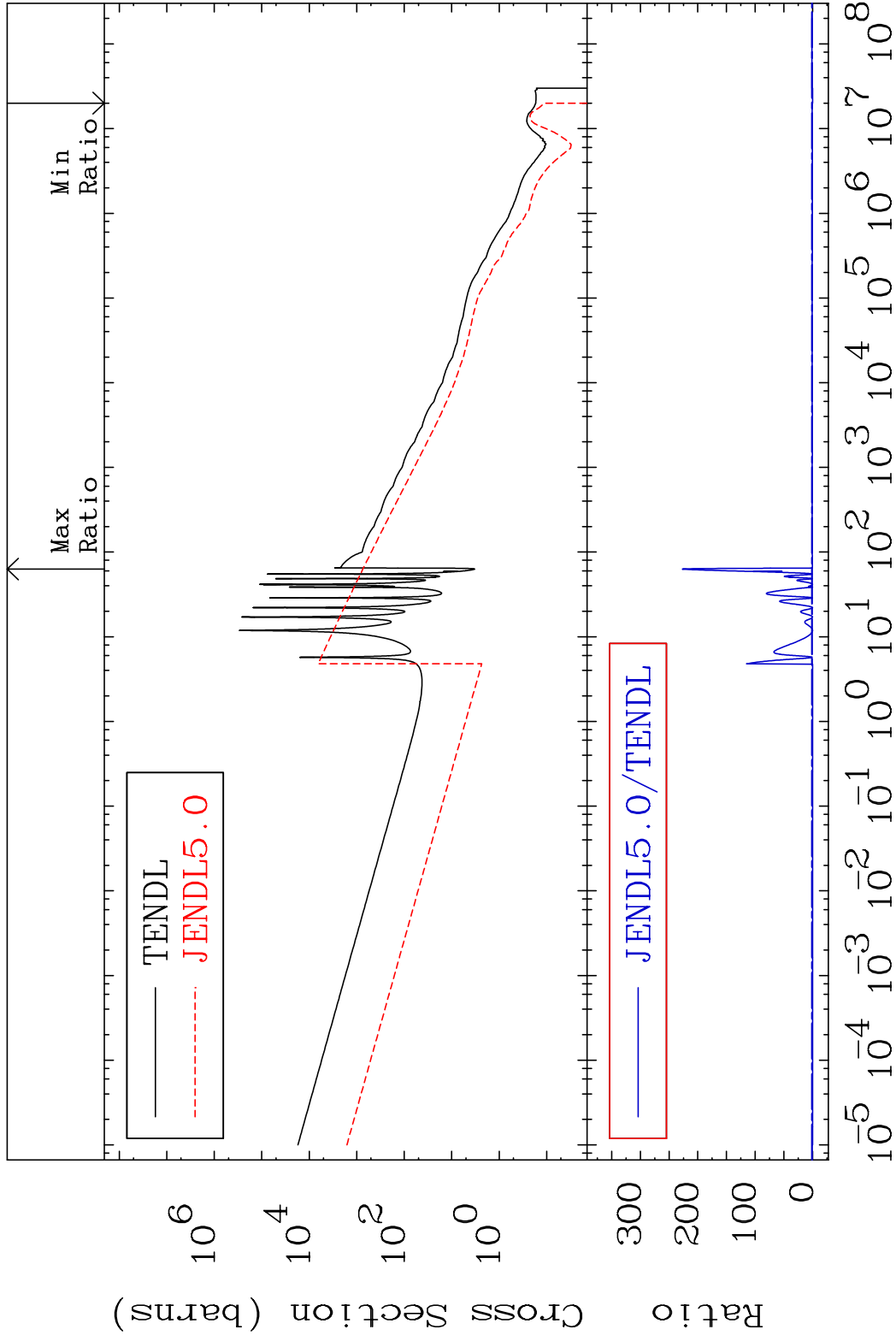
MAT 7046 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-175
 Cross Section -9999. To 8070. %



MAT 7046

Kerma capture (mt102) 70-Yb-175

Cross Section -100.0 To 9999. %

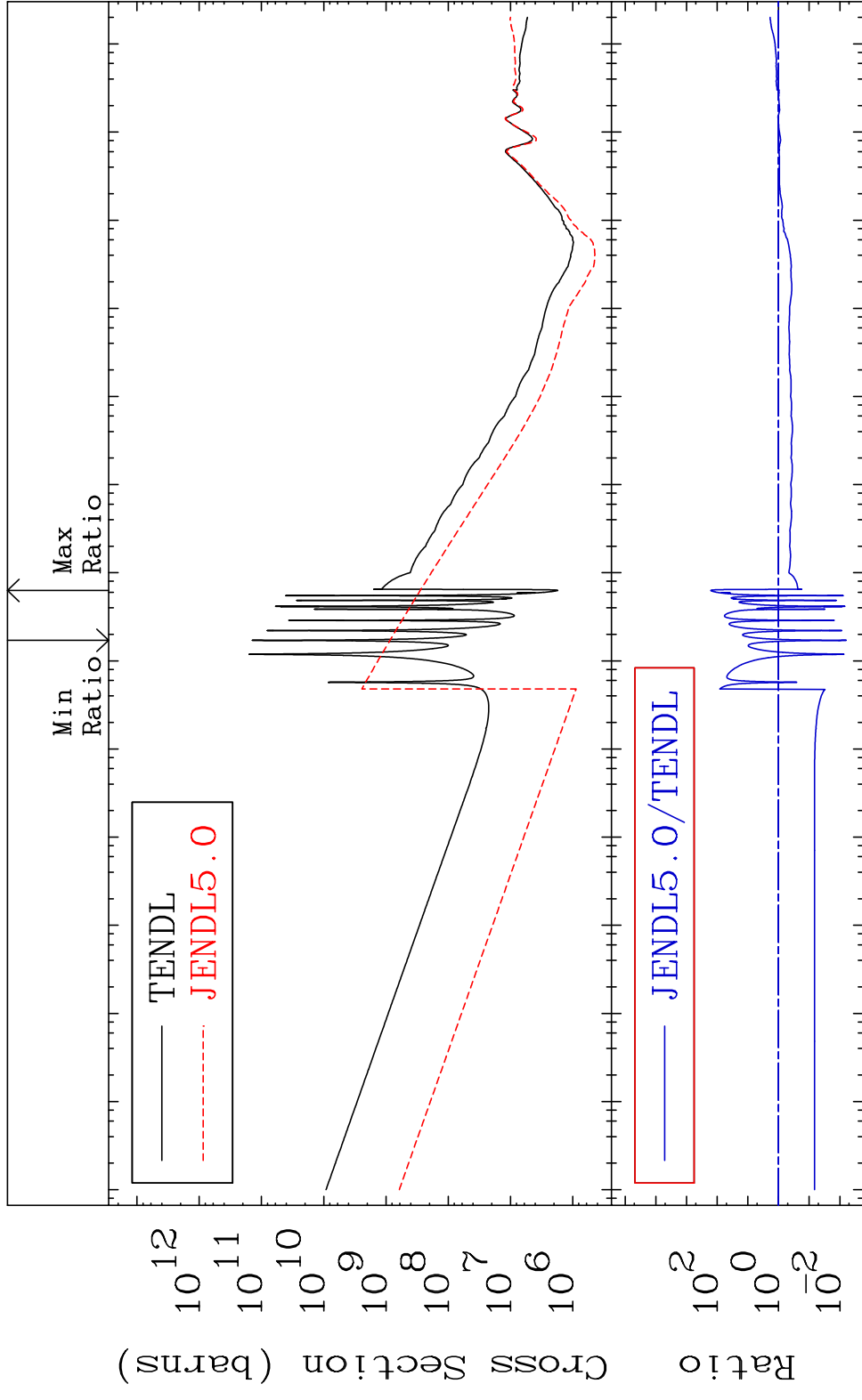


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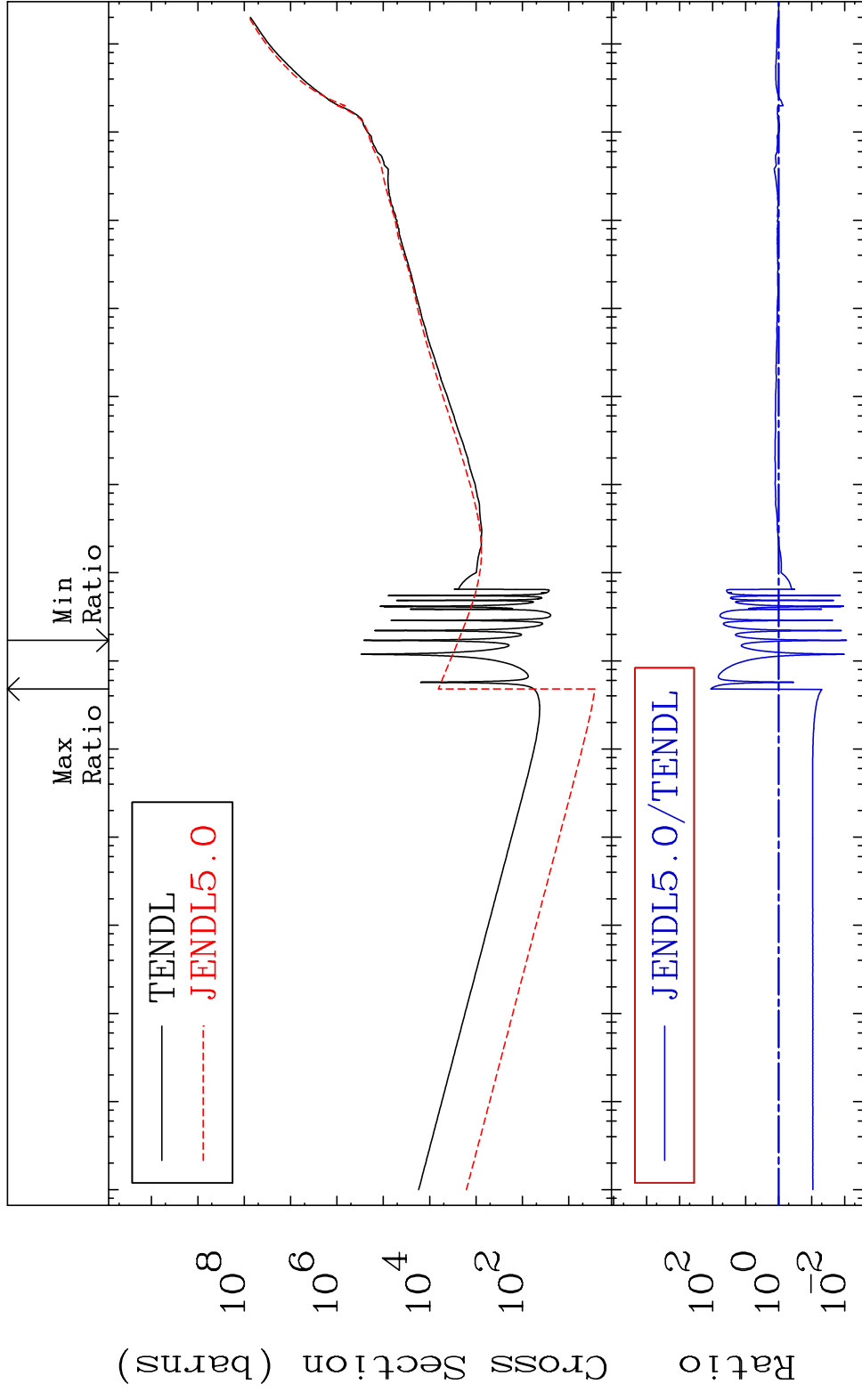
Incident Energy (eV)

70-Yb-175

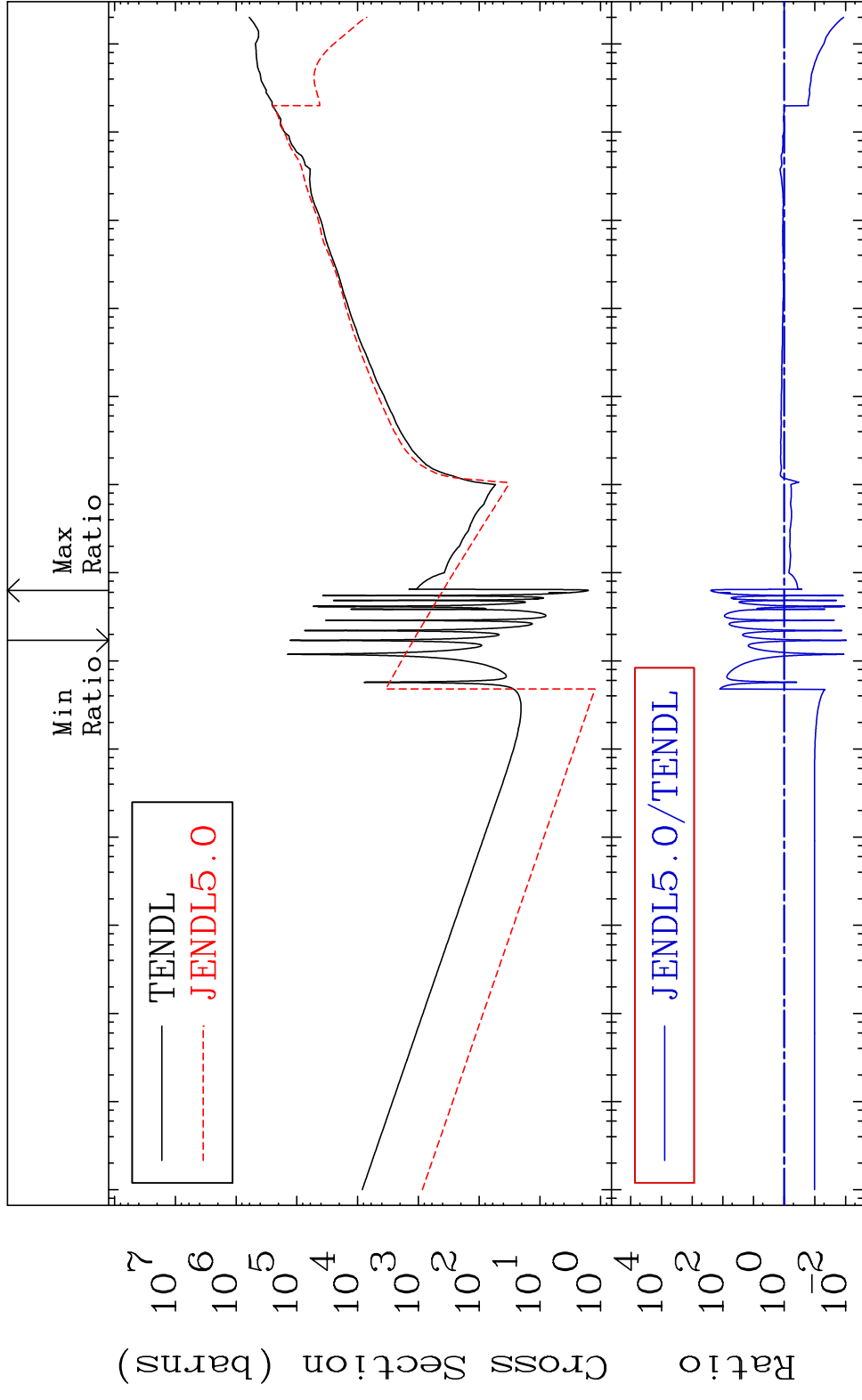
MAT 7046 Total photon (eV-barns) 70-Yb-175
 Cross Section -99.38 To 9999. %



MAT 7046 Total kinematic kerma (high limit) 70-Yb-175
 Cross Section -99.10 To 9999. %



MAT 7046 Dpa total (eV-barns) 70-Yb-175
 Cross Section -99.05 To 9999. %

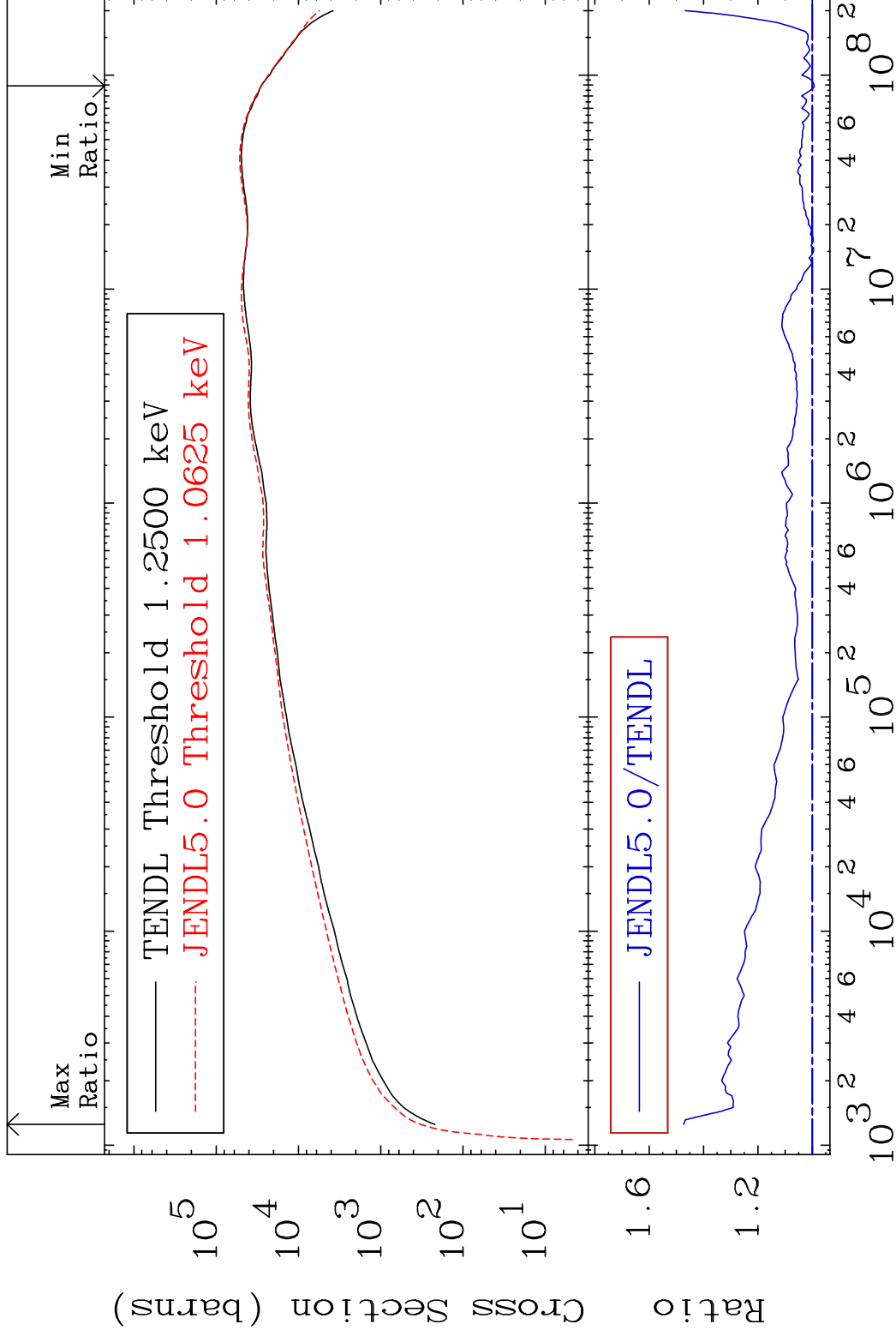


MAT 7046

Dpa elastic (mt2)

70-Yb-175

Cross Section -0.678 To 47.32 %

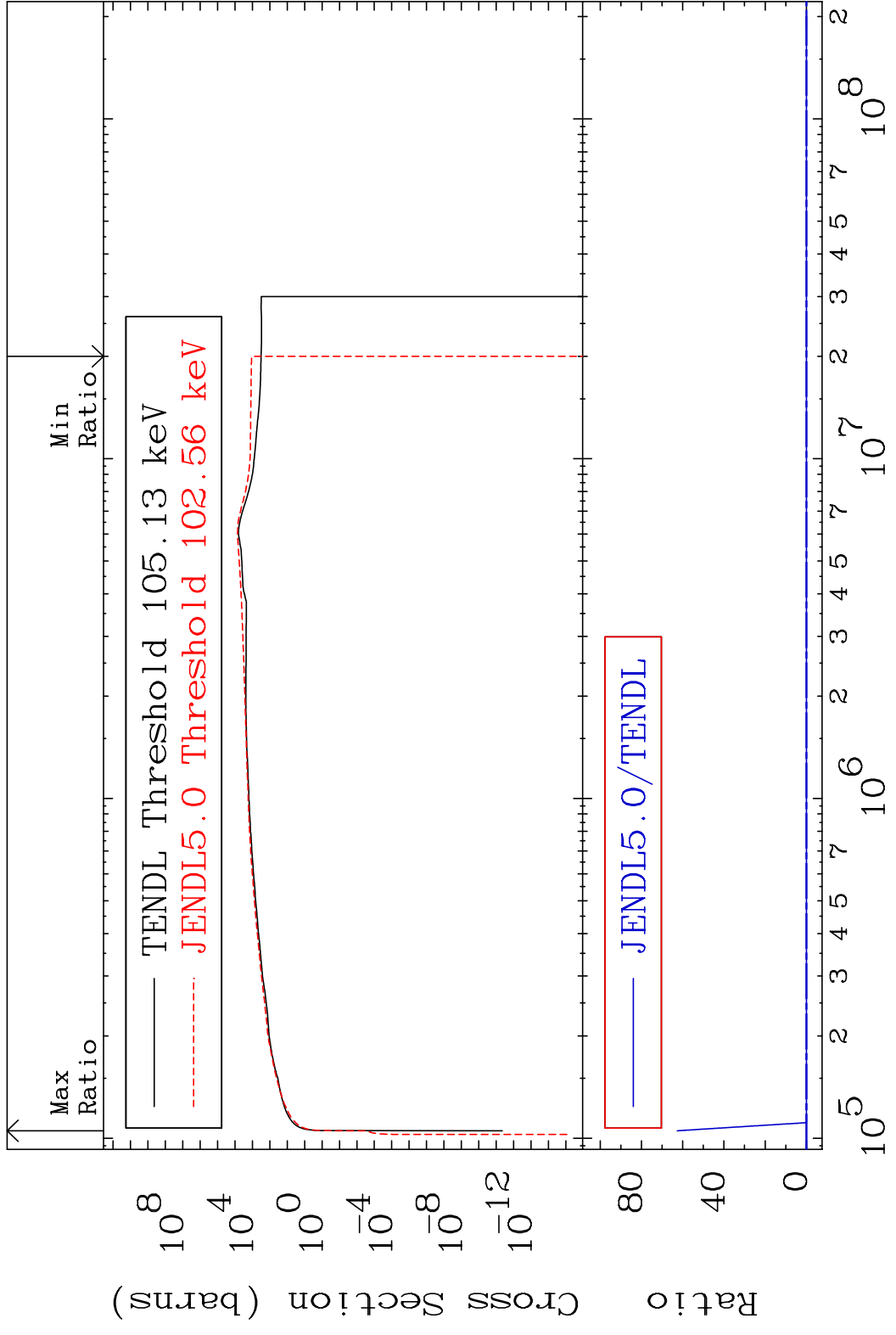


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Incident Energy (eV)

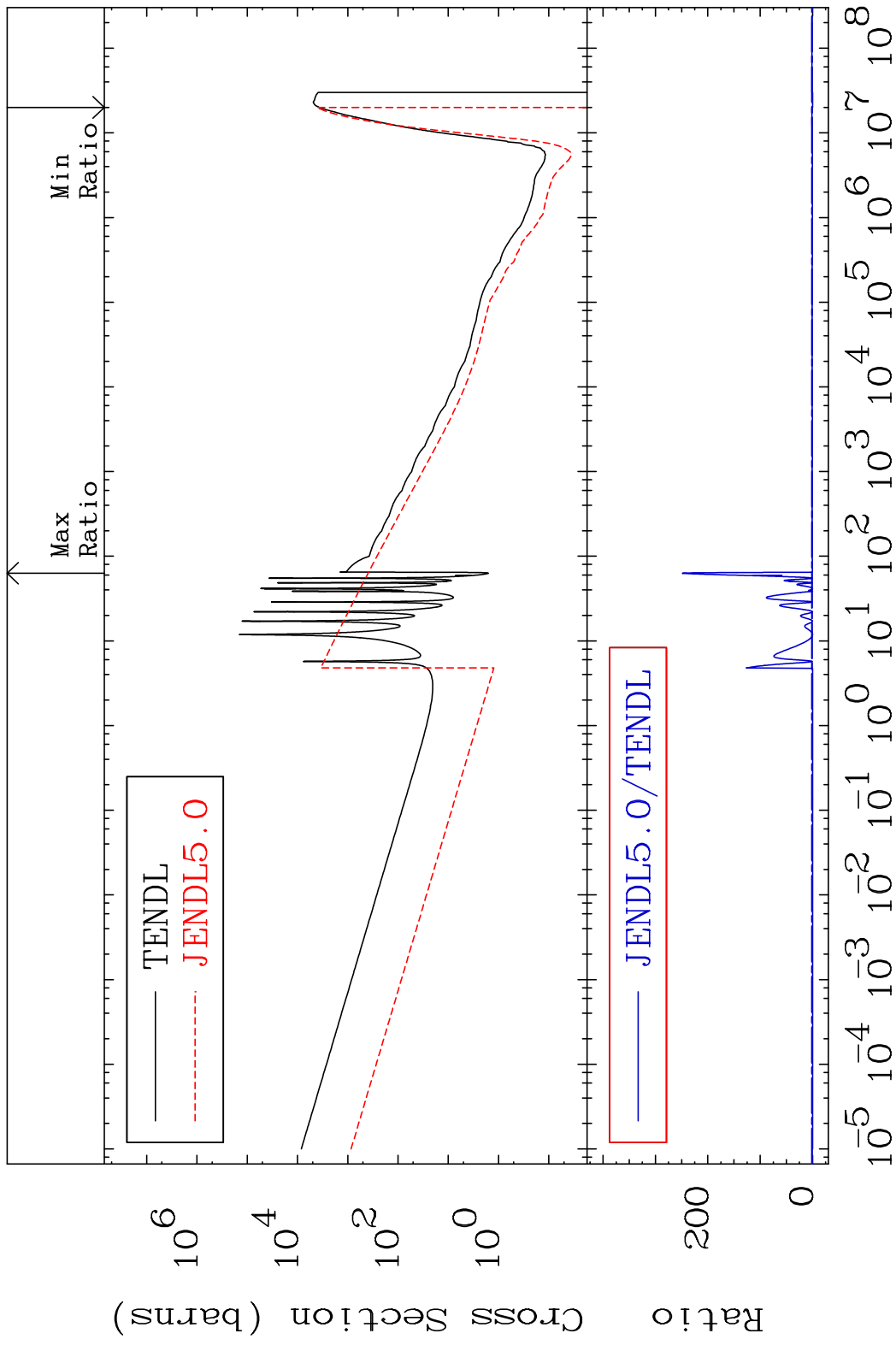
70-Yb-175

MAT 7046 Dpa inelastic (mt51-91) 70-Yb-175
 Cross Section -100.0 To 9999. %



63 Incident Energy (eV) 70-Yb-175

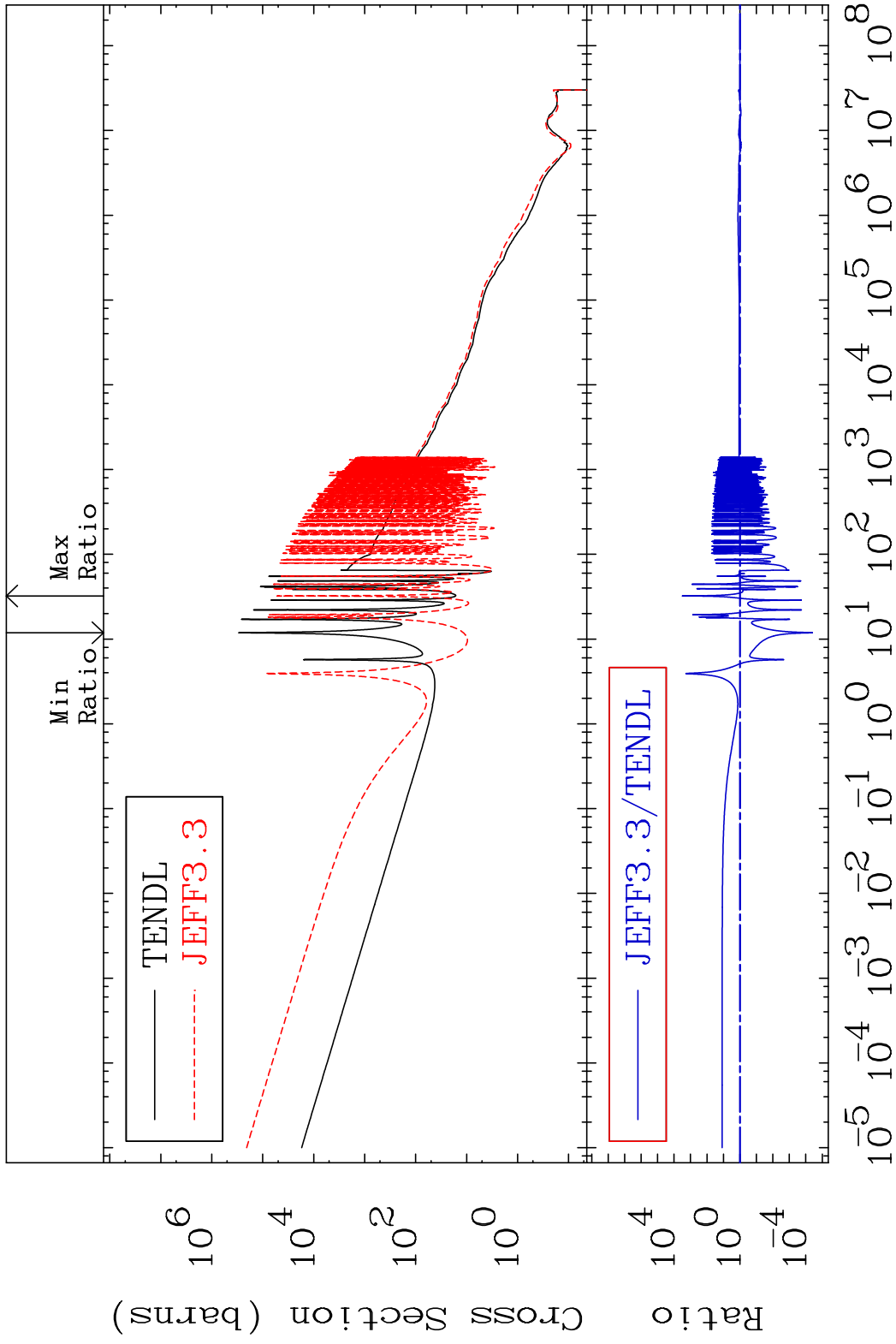
MAT 7046 Dpa disappearance (mt102 -120) 70-Yb-175
 Cross Section -100.0 To 9999. %



MAT 7046

Kerma capture (mt102) 70-Yb-175

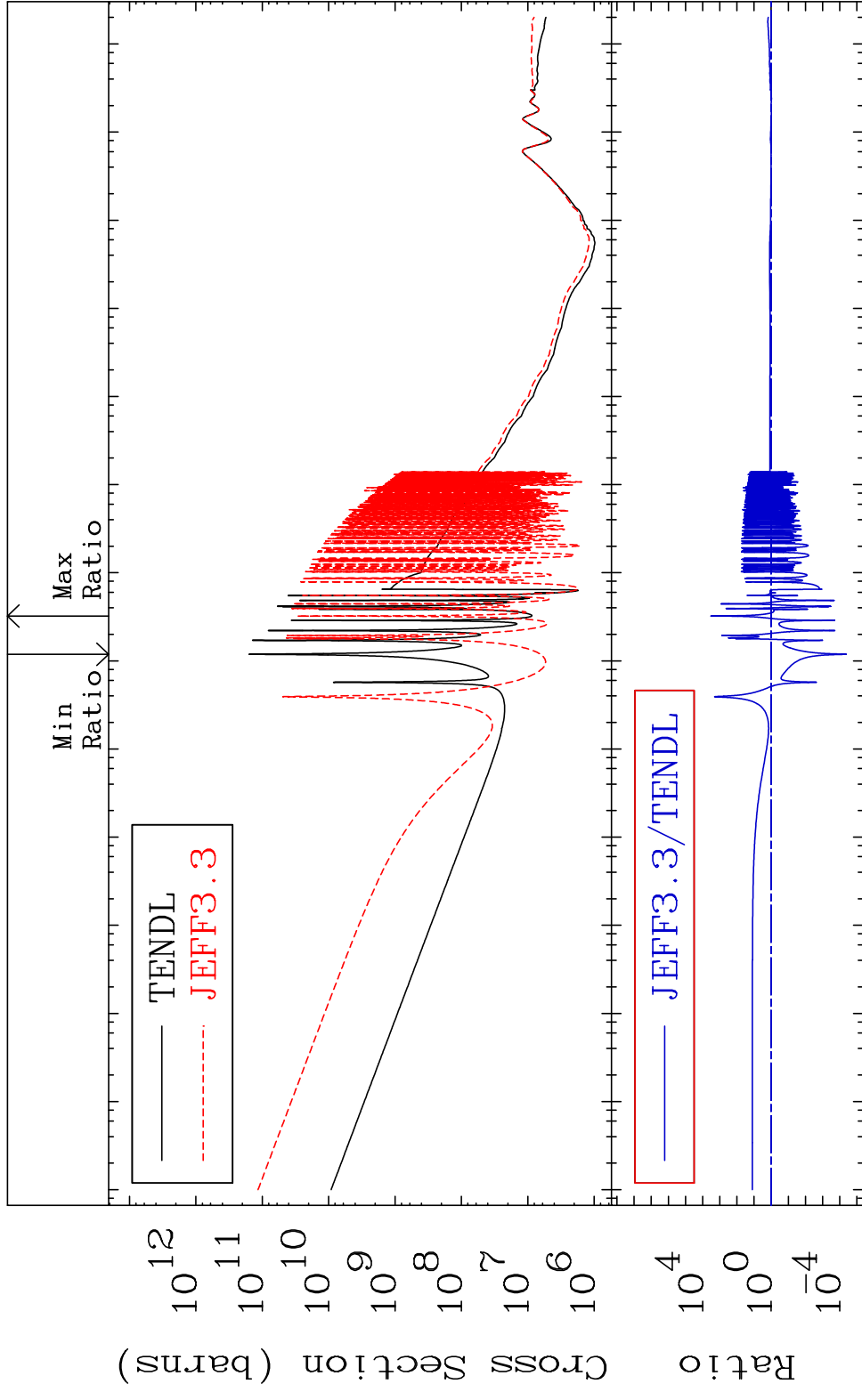
Cross Section -100.0 To 9999. %



65

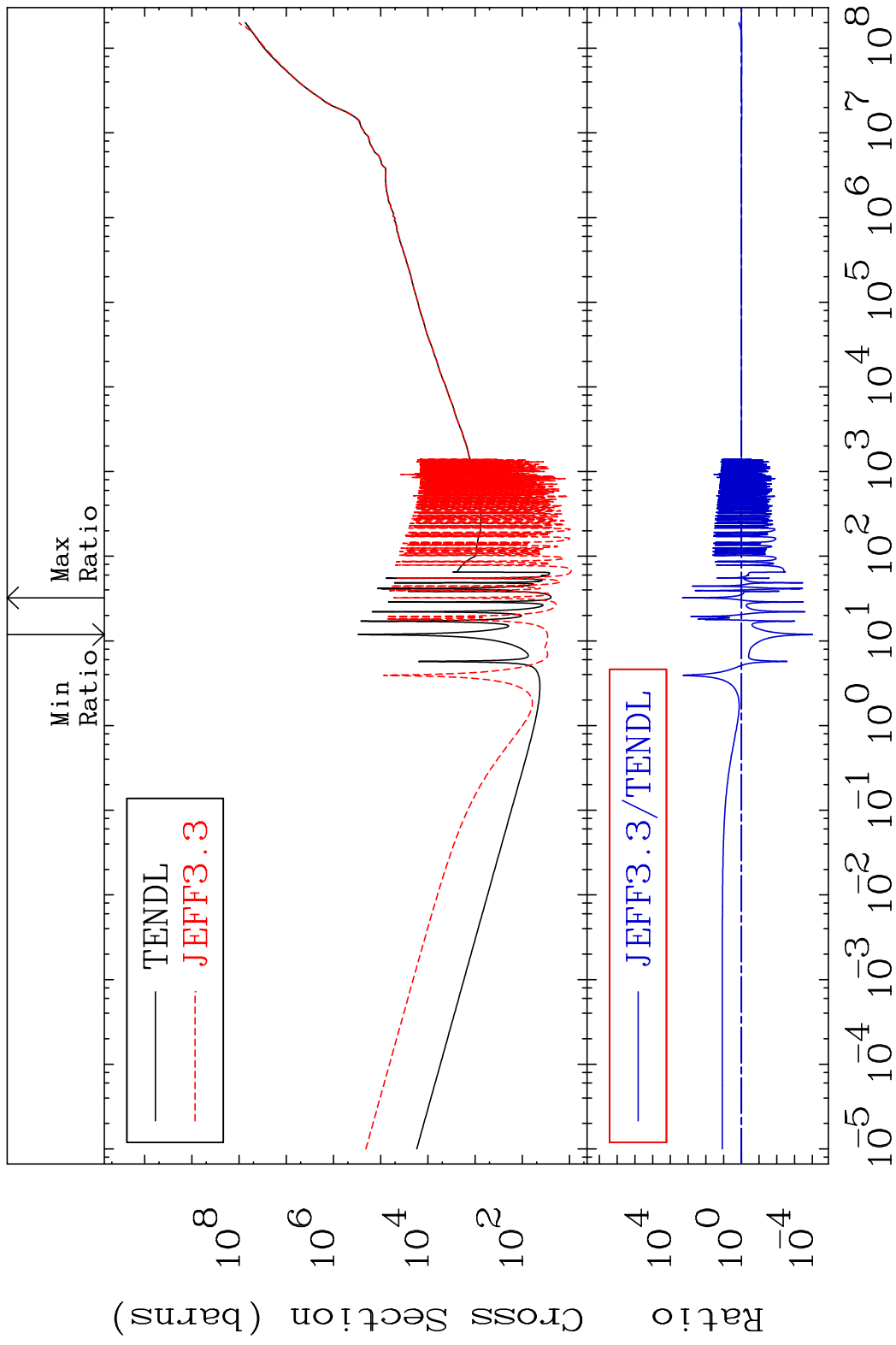
Incident Energy (eV) 70-Yb-175

MAT 7046 Total photon (eV-barns) 70-Yb-175
 Cross Section -100.0 To 9999. %

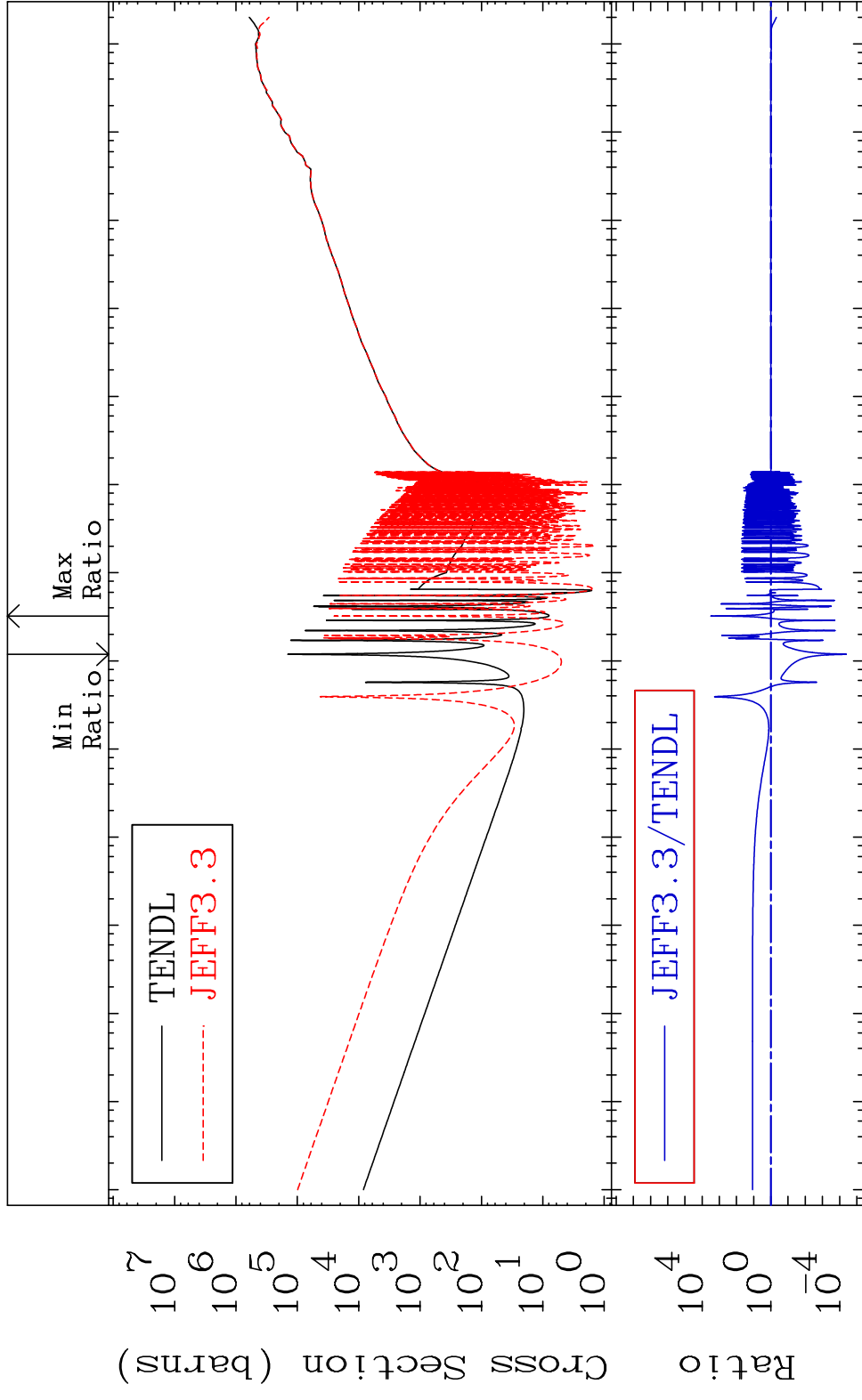


66 Incident Energy (eV) 70-Yb-175

MAT 7046 Total kinematic kerma (high limit) 70-Yb-175
 Cross Section -99.99 To 9999. %



MAT 7046 Dpa total (eV-barns) 70-Yb-175
 Cross Section -100.0 To 9999. %

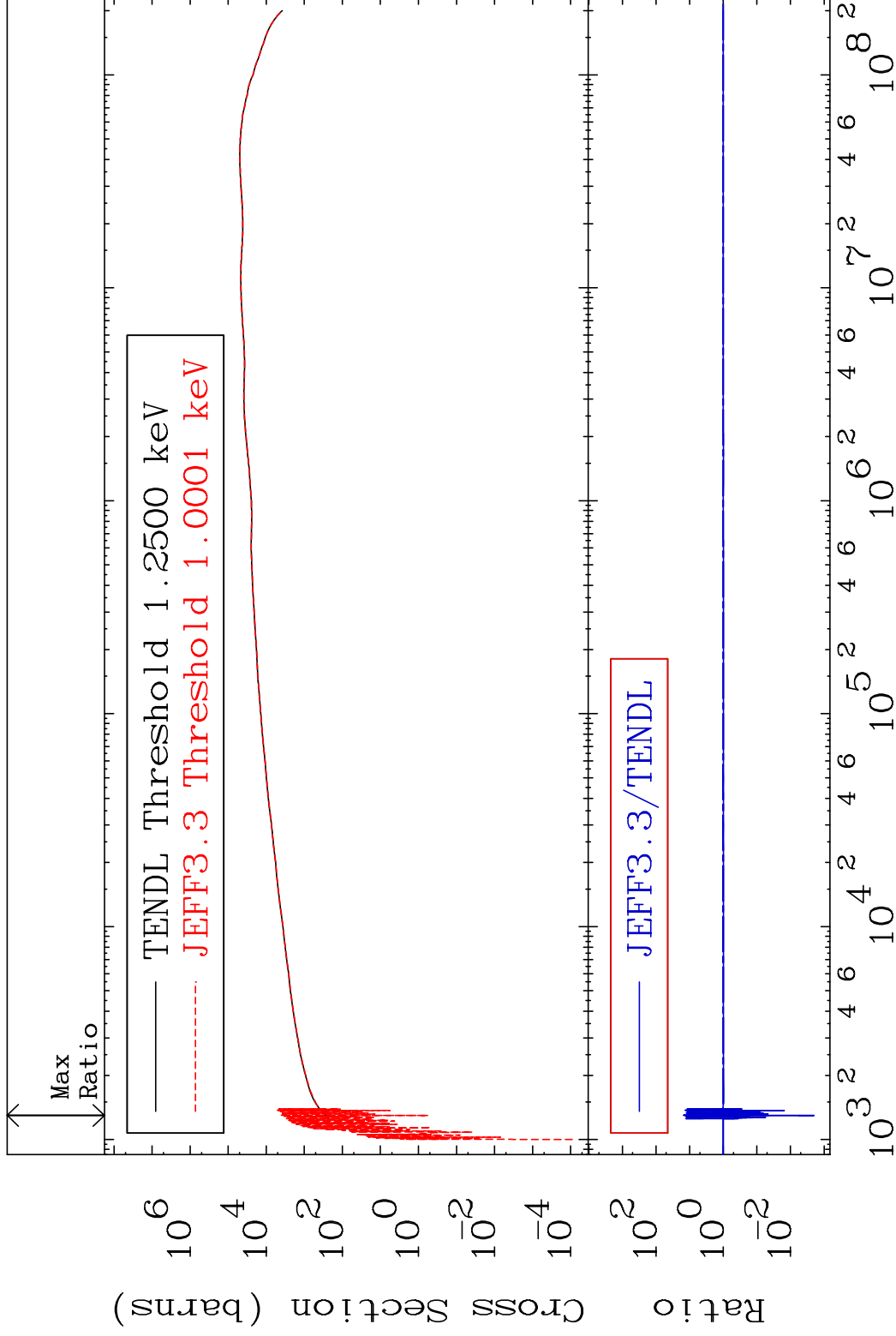


MAT 7046

Dpa elastic (mt2)

70-Yb-175

Cross Section -99.80 To 1413. %

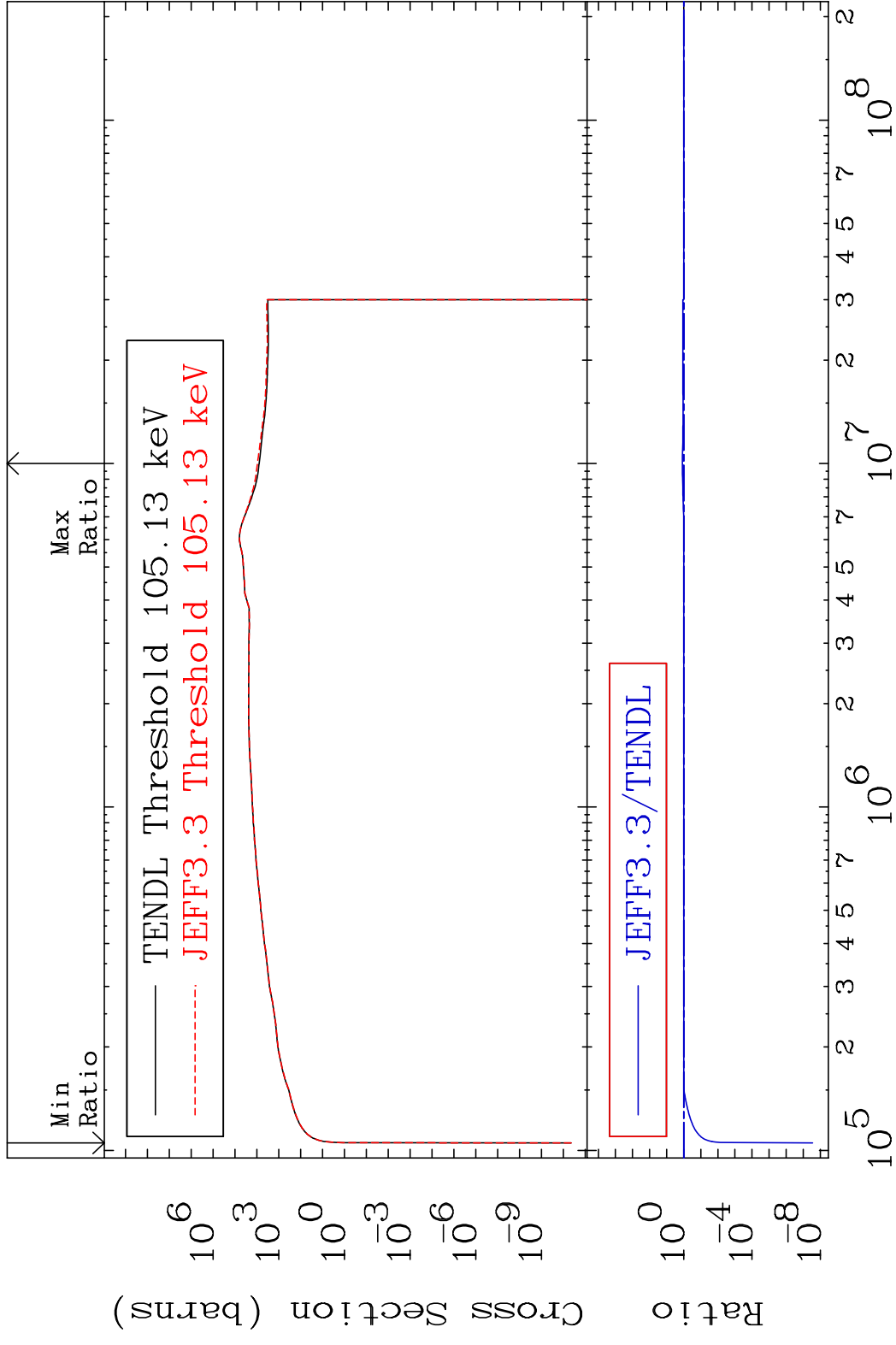


69

Incident Energy (eV)

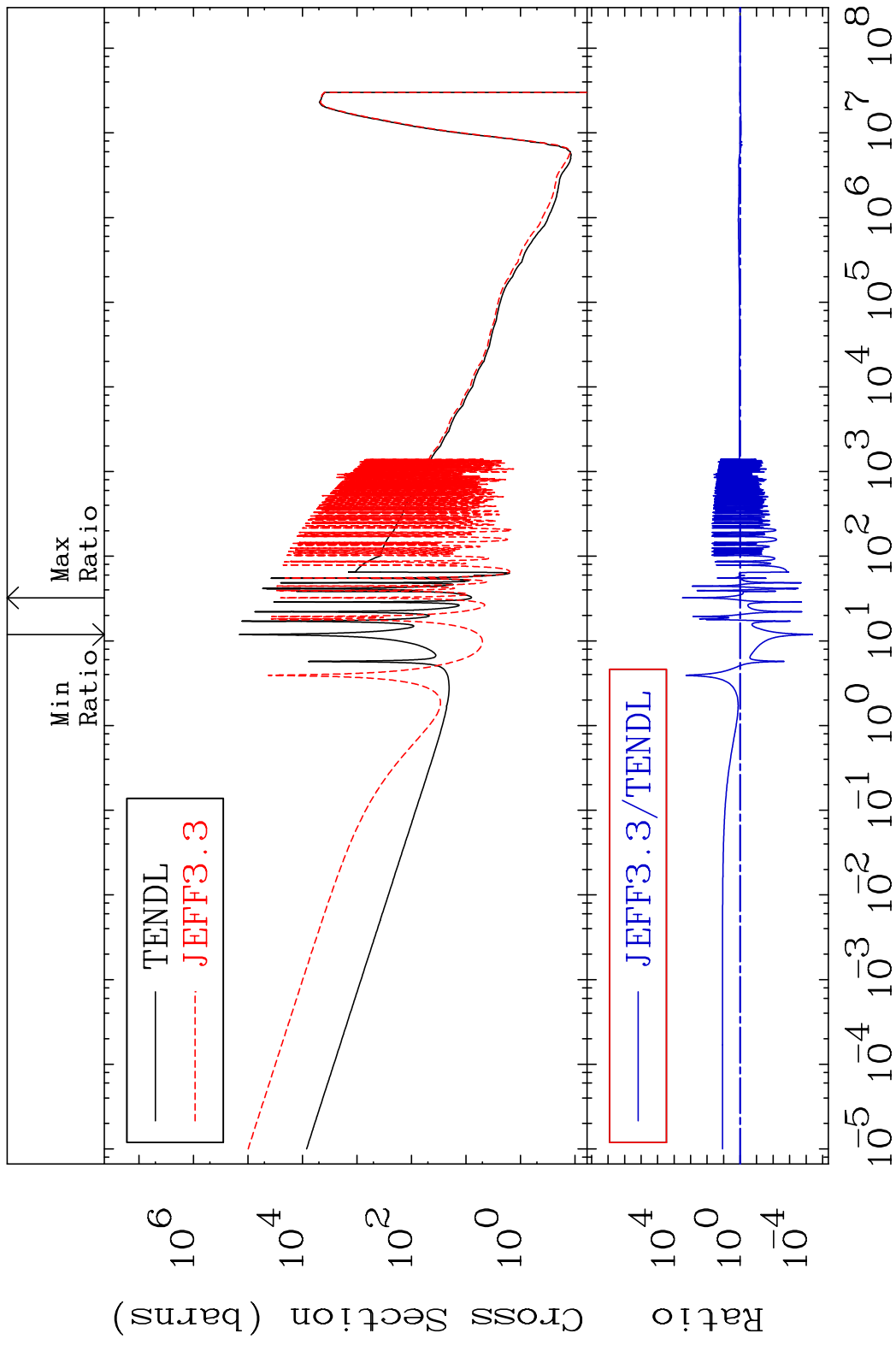
70-Yb-175

MAT 7046 Dpa inelastic (mt51-91) 70-Yb-175
 Cross Section -100.0 To 20.37 %



70 Incident Energy (eV) 70-Yb-175

MAT 7046 Dpa disappearance (mt102 -120) 70-Yb-175
 Cross Section -100.0 To 9999. %



71 Incident Energy (eV) 70-Yb-175