

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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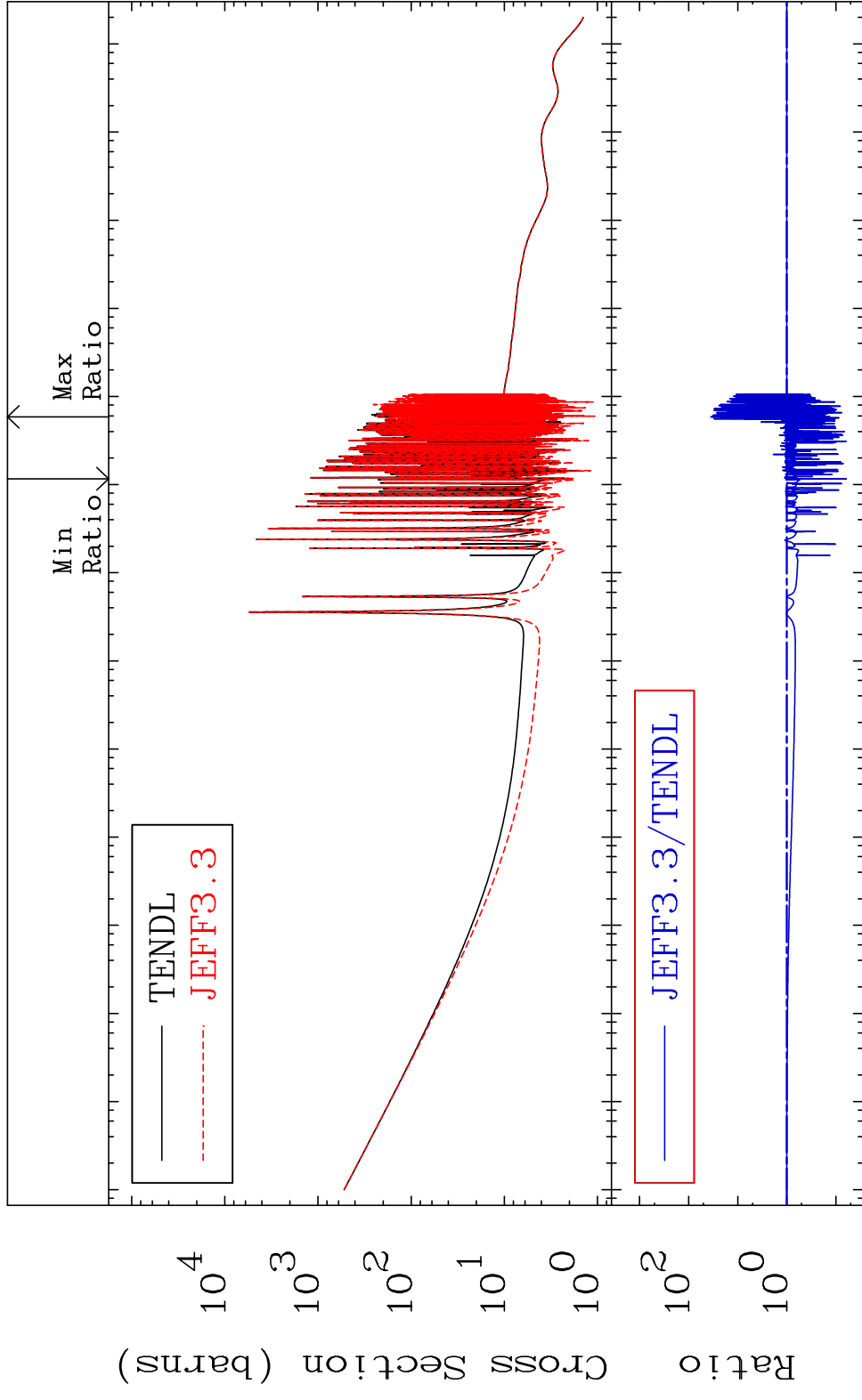
Press Mouse Button to Start

MAT 3525

35-Br-79

Total

Cross Section -93.89 To 3453. %



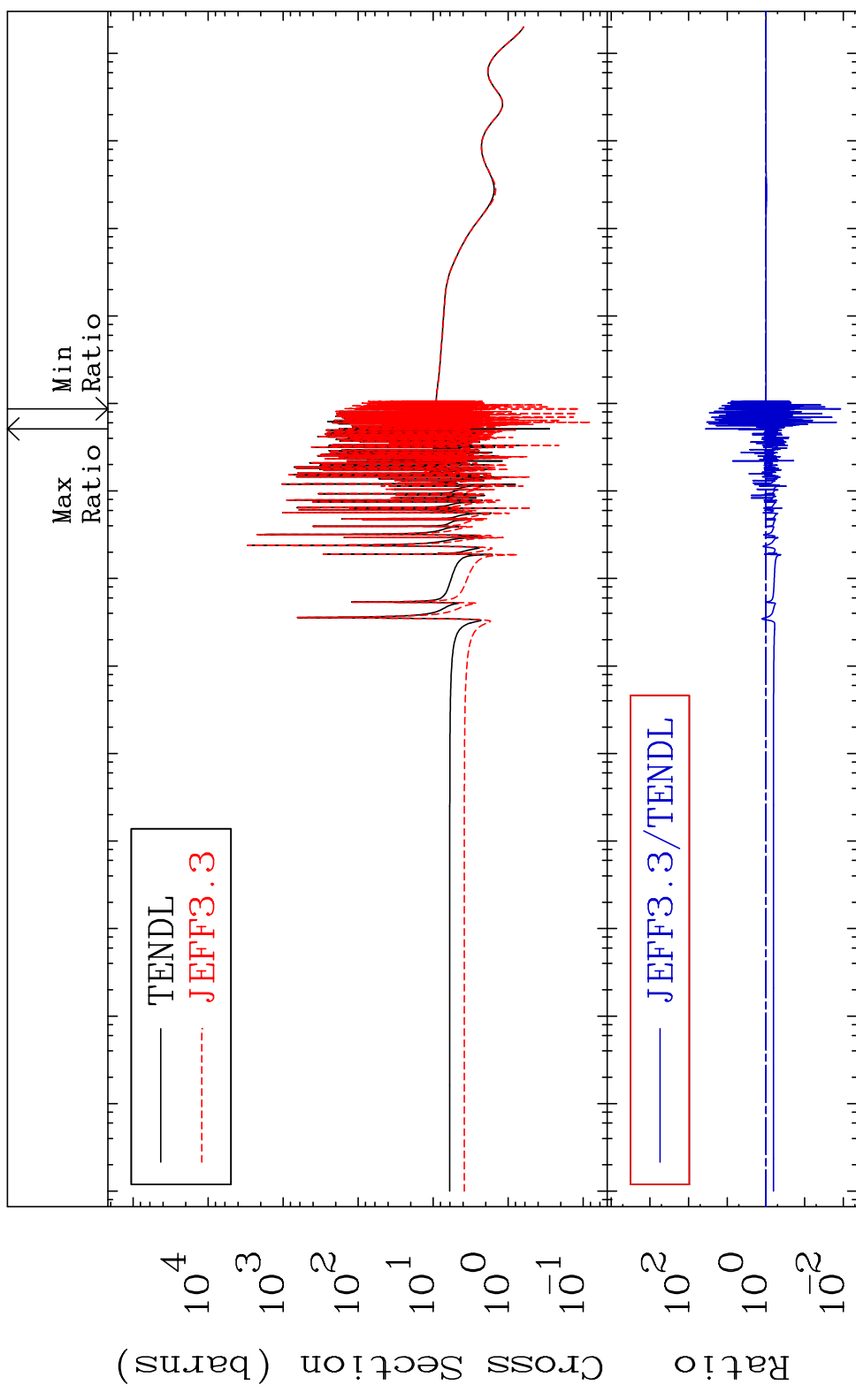
1

Incident Energy (eV)

35-Br-79

MAT 3525

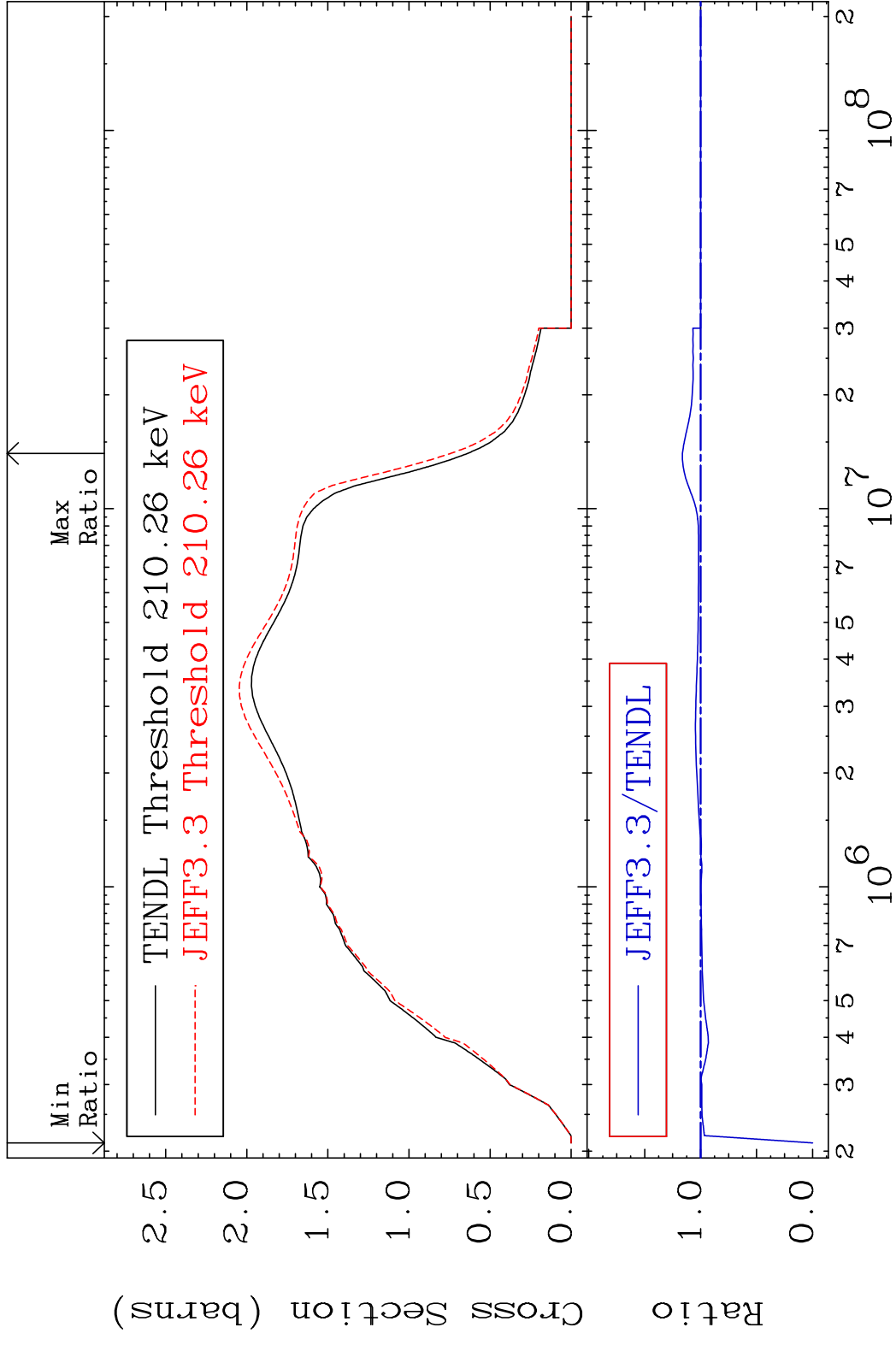
Elastic Cross Section -98.81 To 3494. %
35-Br-79



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

2 Incident Energy (eV) 35-Br-79

MAT 3525 Inelastic Cross Section -100.0 To 16.34 % 35-Br-79

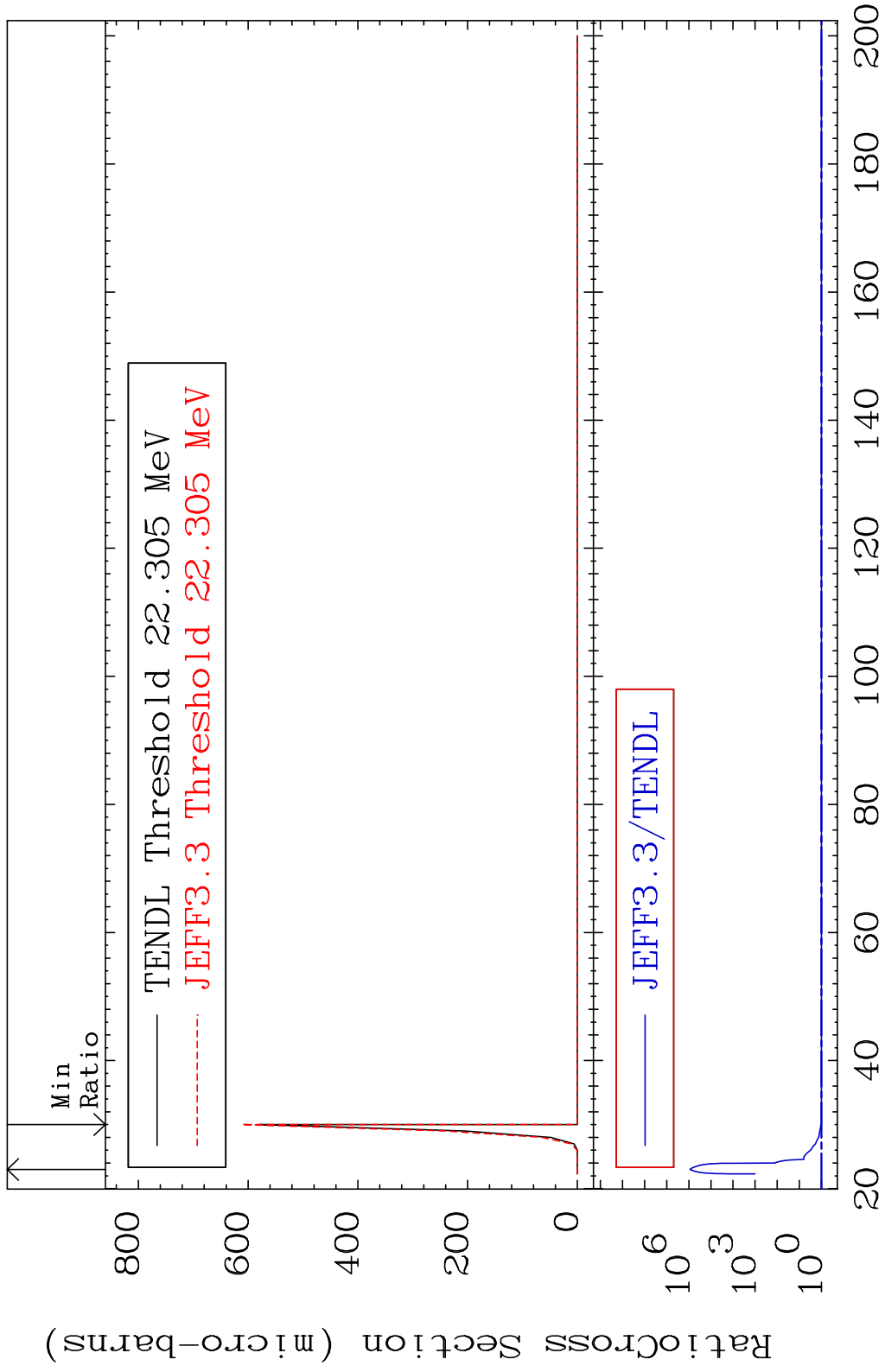


MAT 3525

(n,2n) d

35-Br-79

Cross Section 0.000 To 9999. %

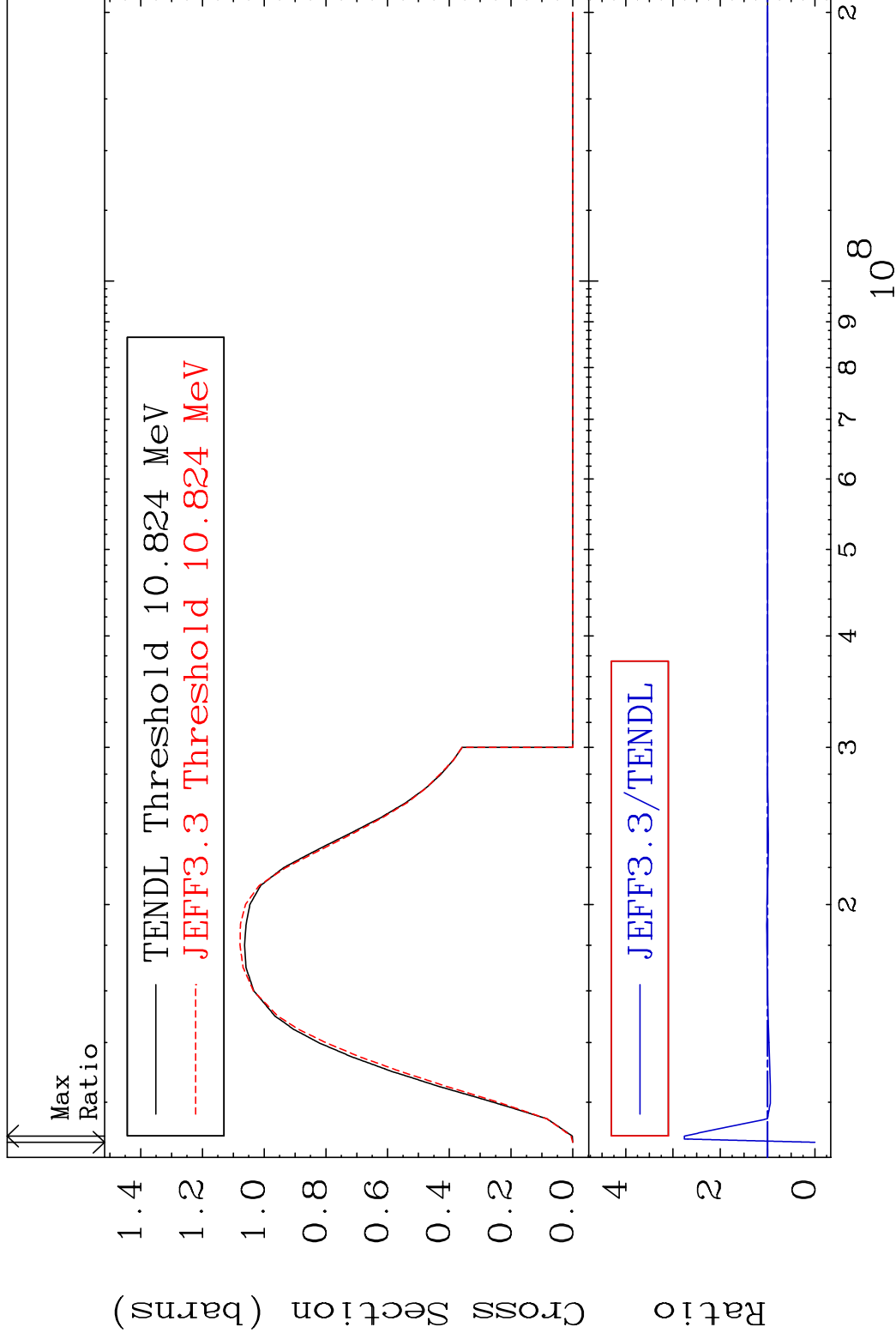


MAT 3525

(n,2n)

35-Br-79

Cross Section -100.0 To 176.1 %

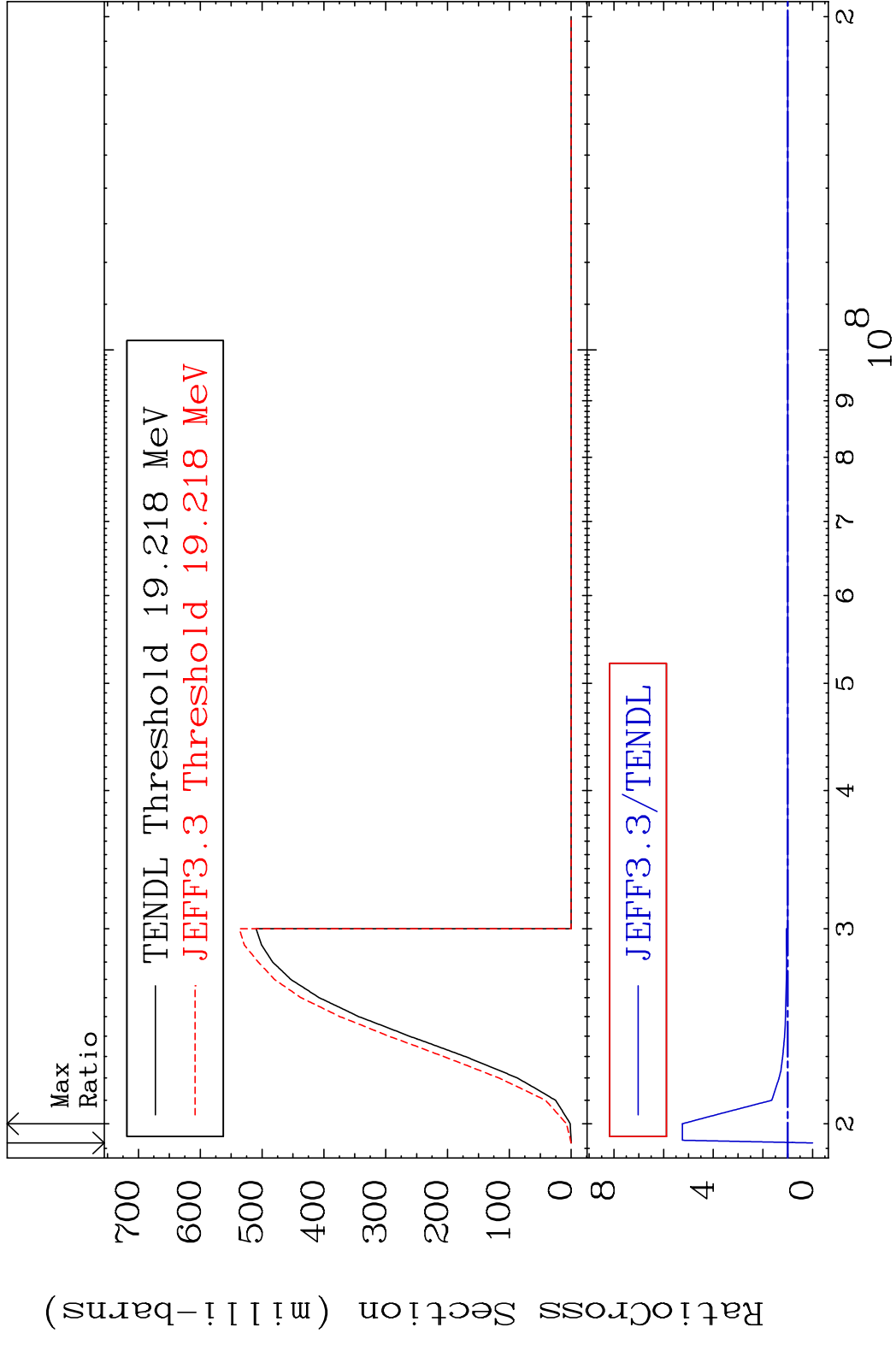


5

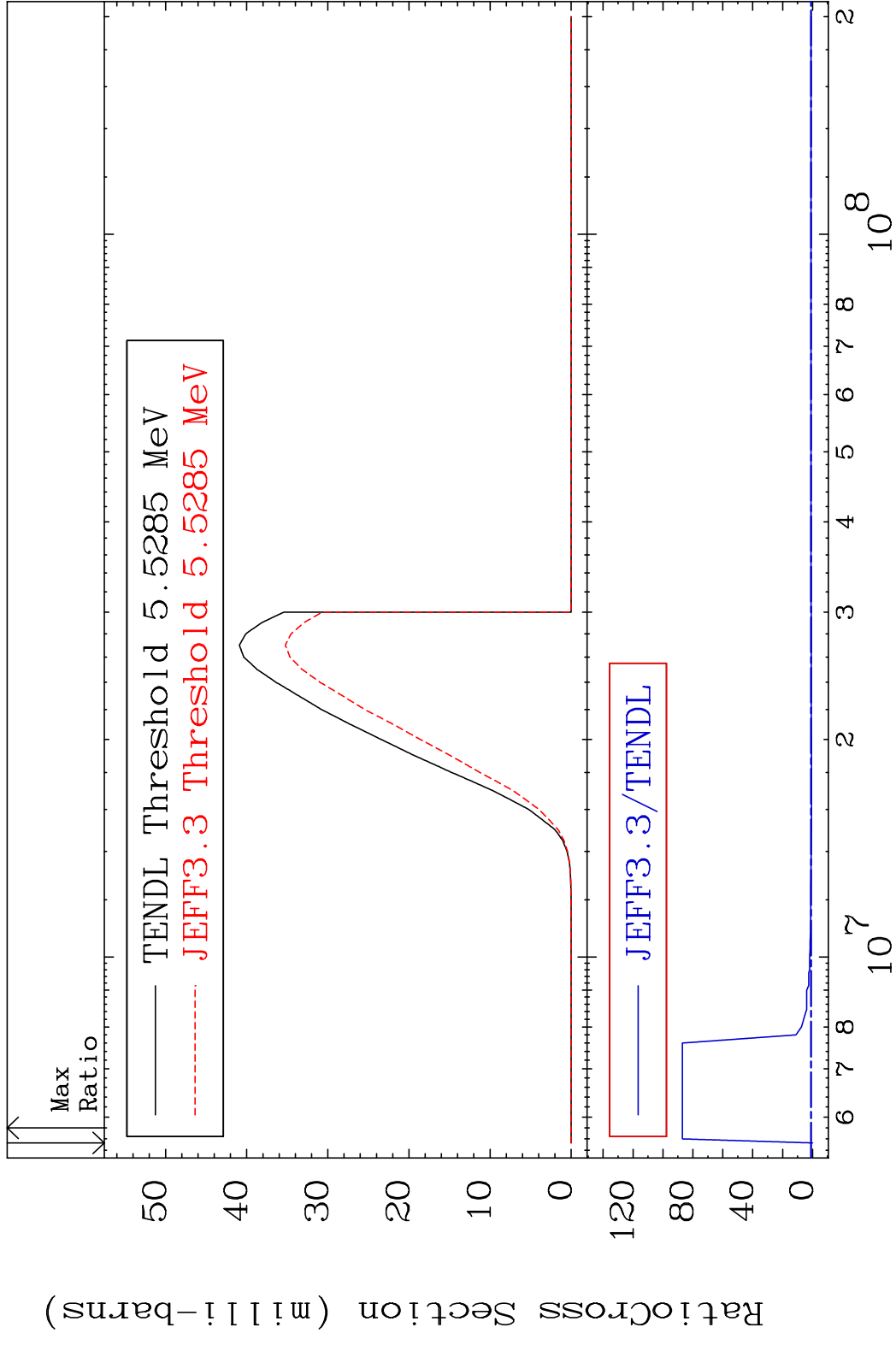
Incident Energy (eV)

35-Br-79

MAT 3525 (n,3n) 35-Br-79
 Cross Section -100.0 To 424.6 %



MAT 3525 (n, n') α 35-Br-79
 Cross Section -100.0 To 8604. %



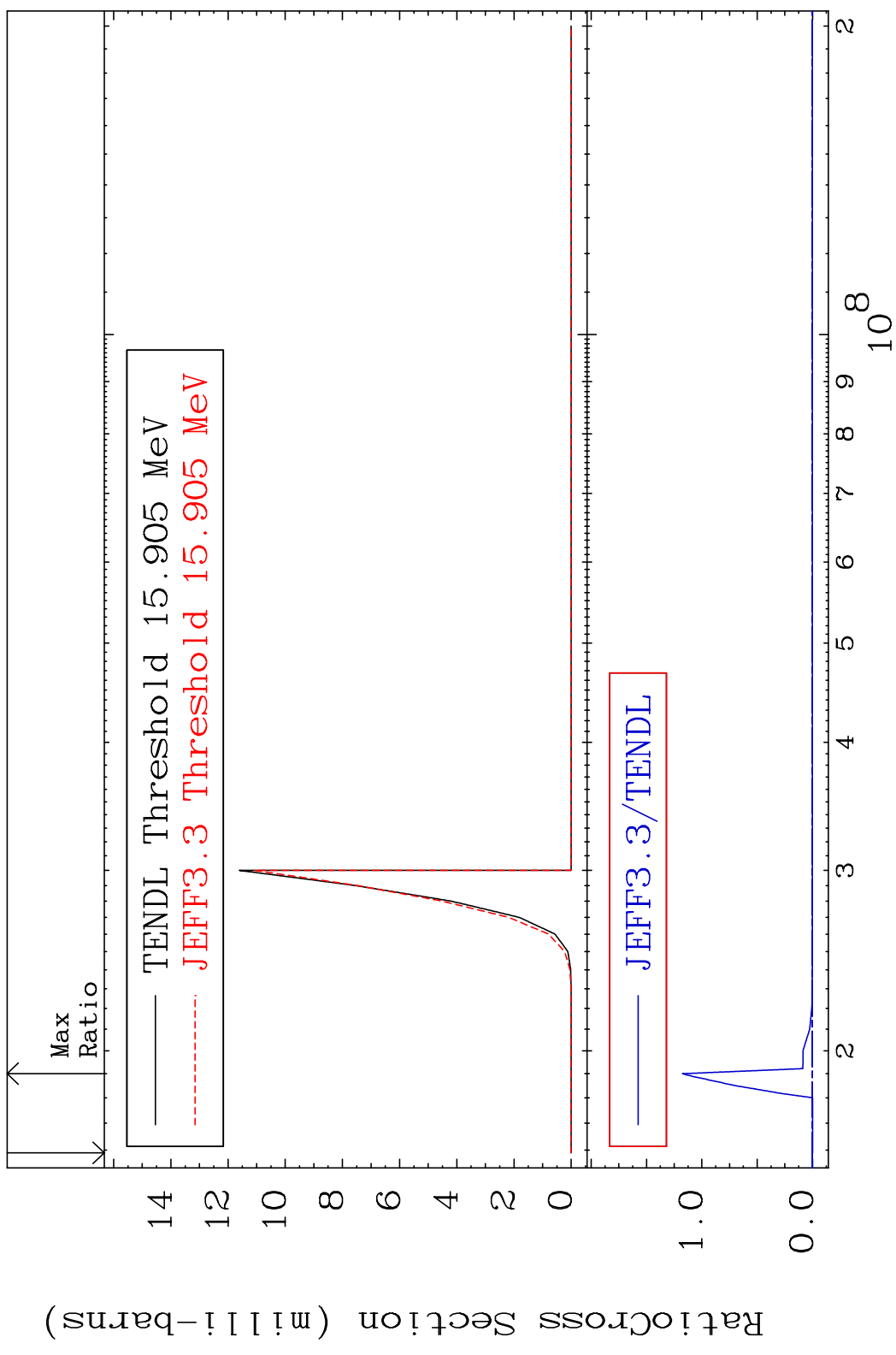
7 Incident Energy (eV) 35-Br-79

MAT 3525

(n,2n) α

35-Br-79

Cross Section -100.0 To 9999. %

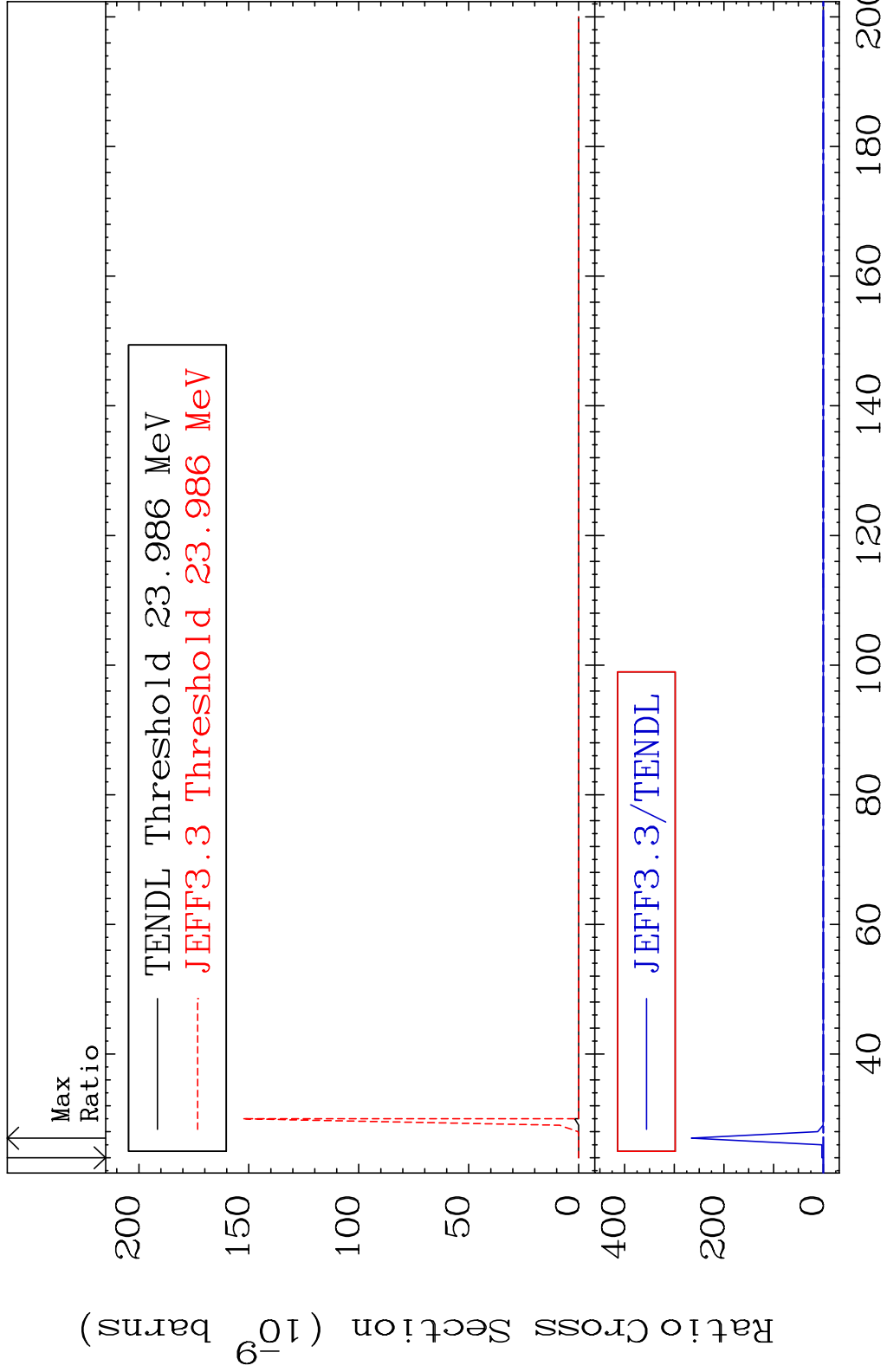


8

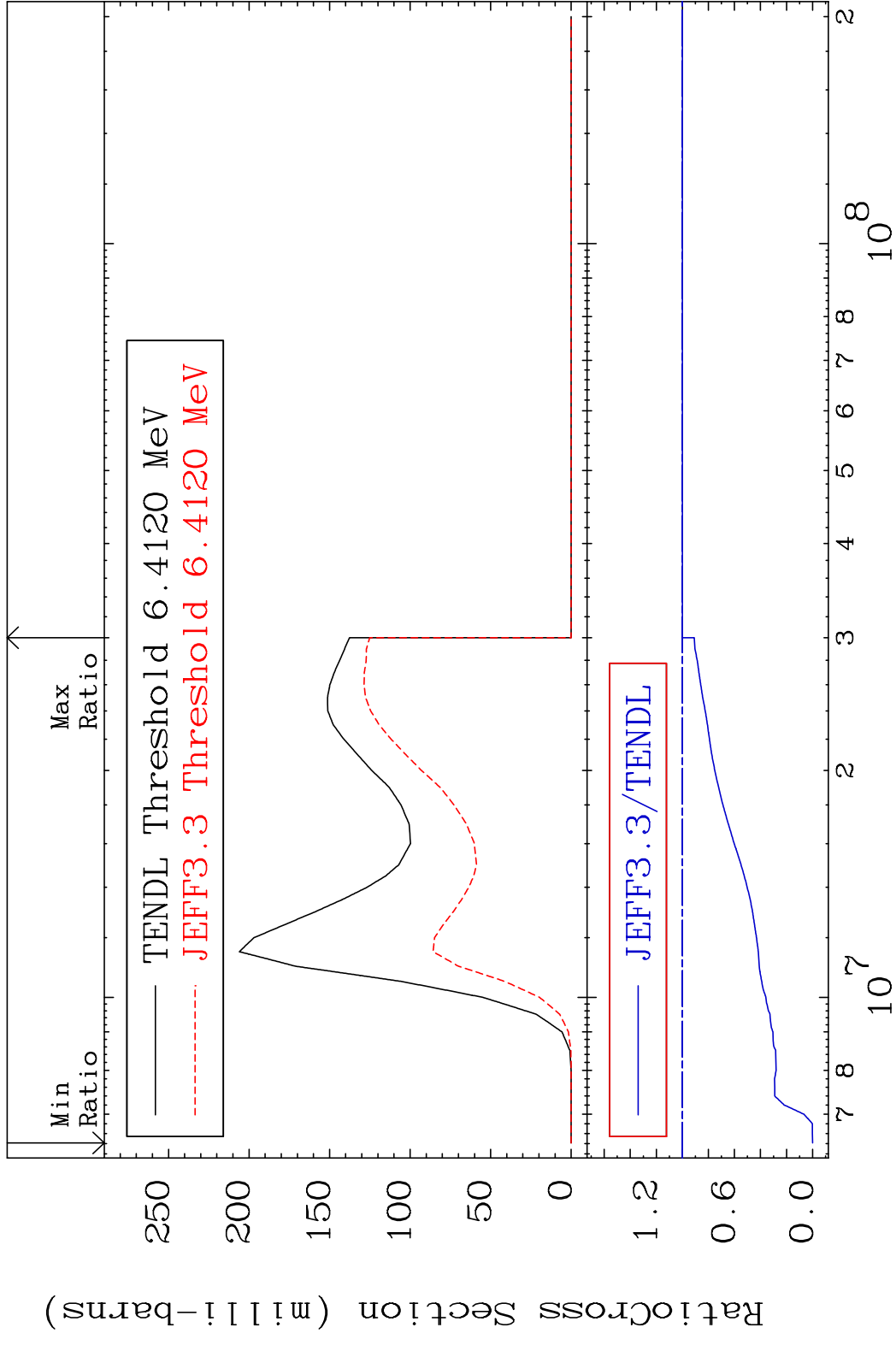
Incident Energy (eV)

35-Br-79

MAT 3525 (n,3n) α 35-Br-79
 Cross Section -100.0 To 9999. %

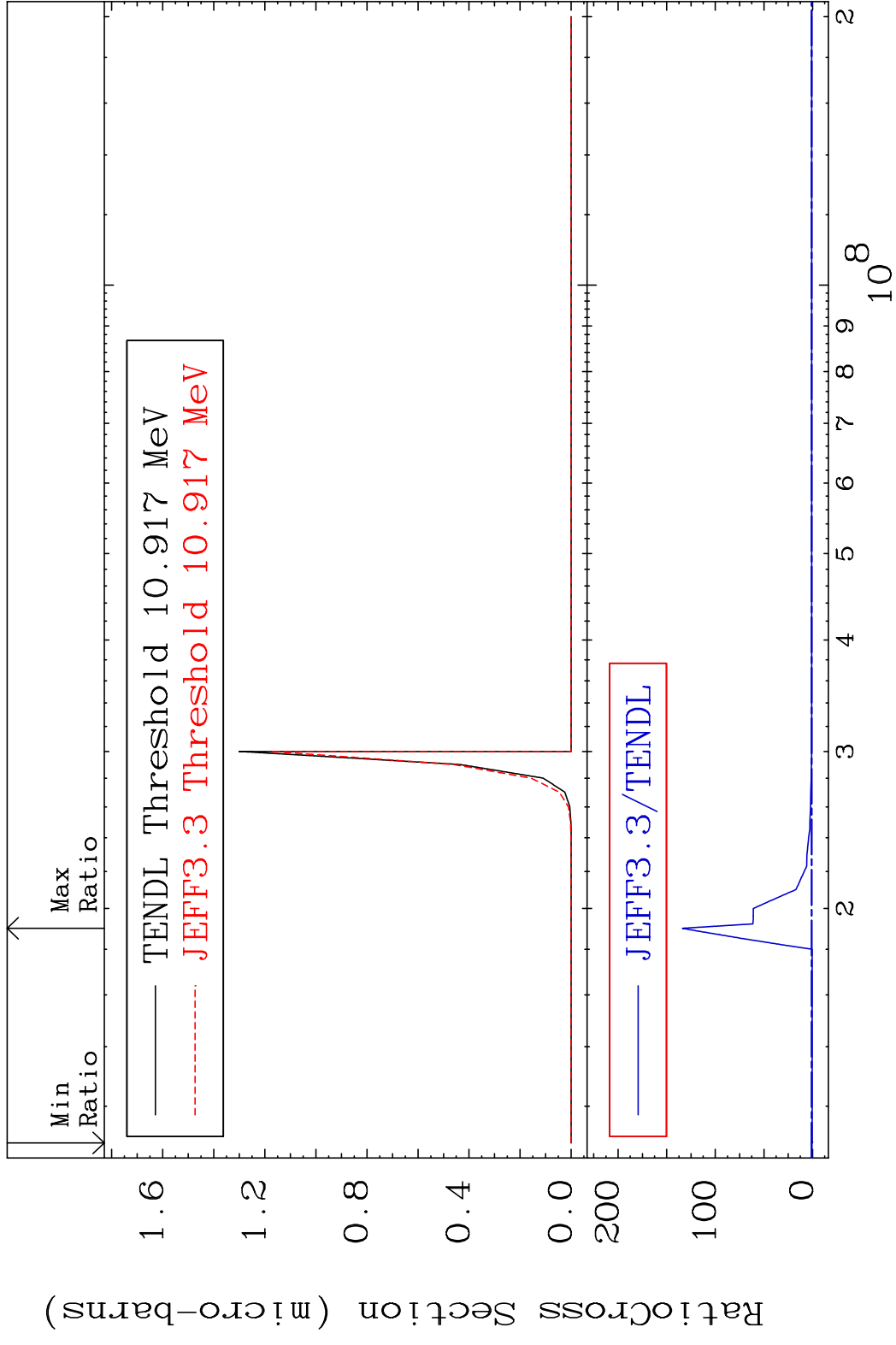


MAT 3525 (n, n') p 35-Br-79
Cross Section -100.0 To 0.000 %

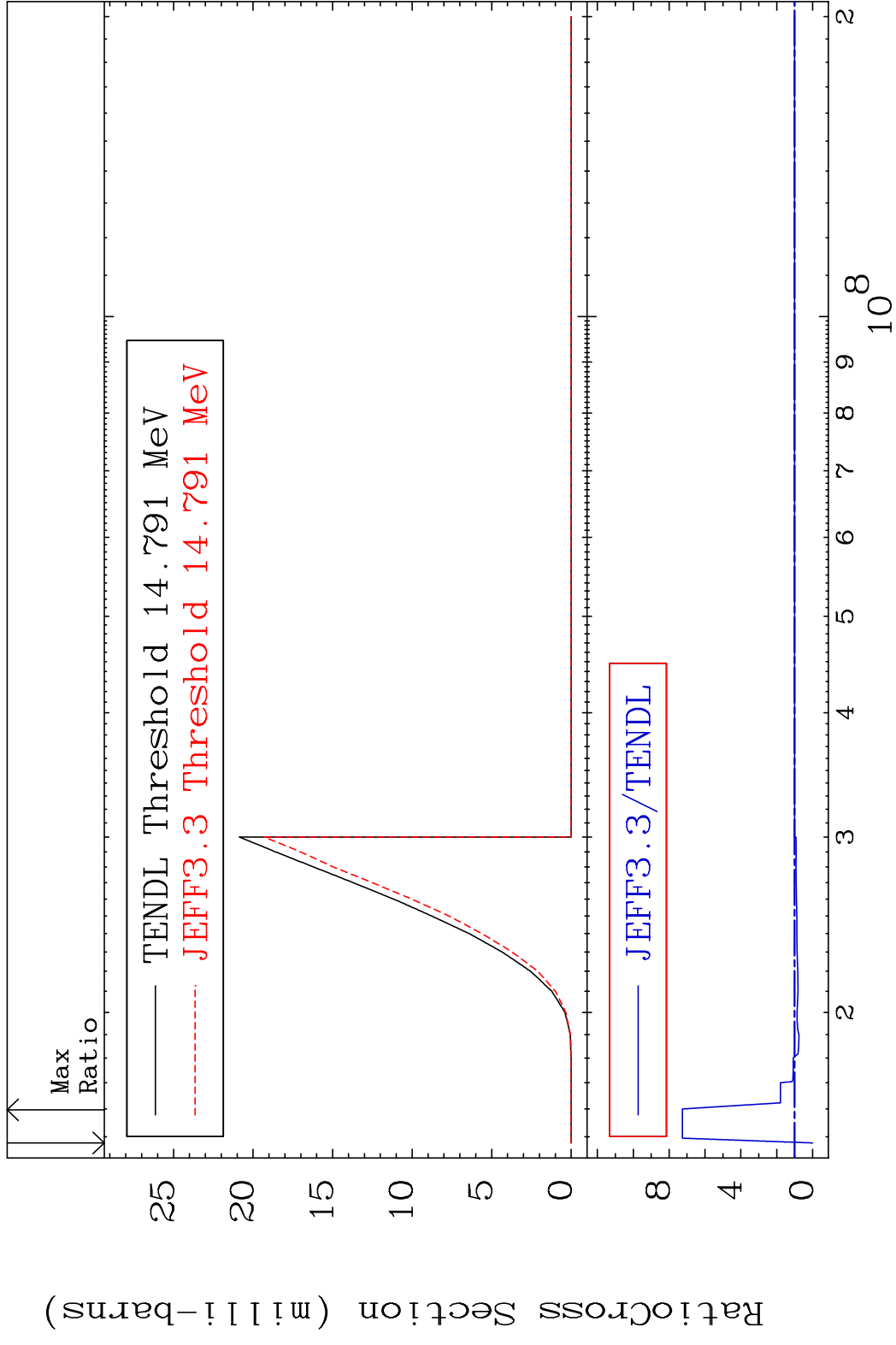


10 Incident Energy (eV) 35-Br-79

MAT 3525 (n, n') 2α 35-Br-79
 Cross Section -100.0 To 9999. %



MAT 3525 (n, n') d 35-Br-79
 Cross Section -100.0 To 626.3 %

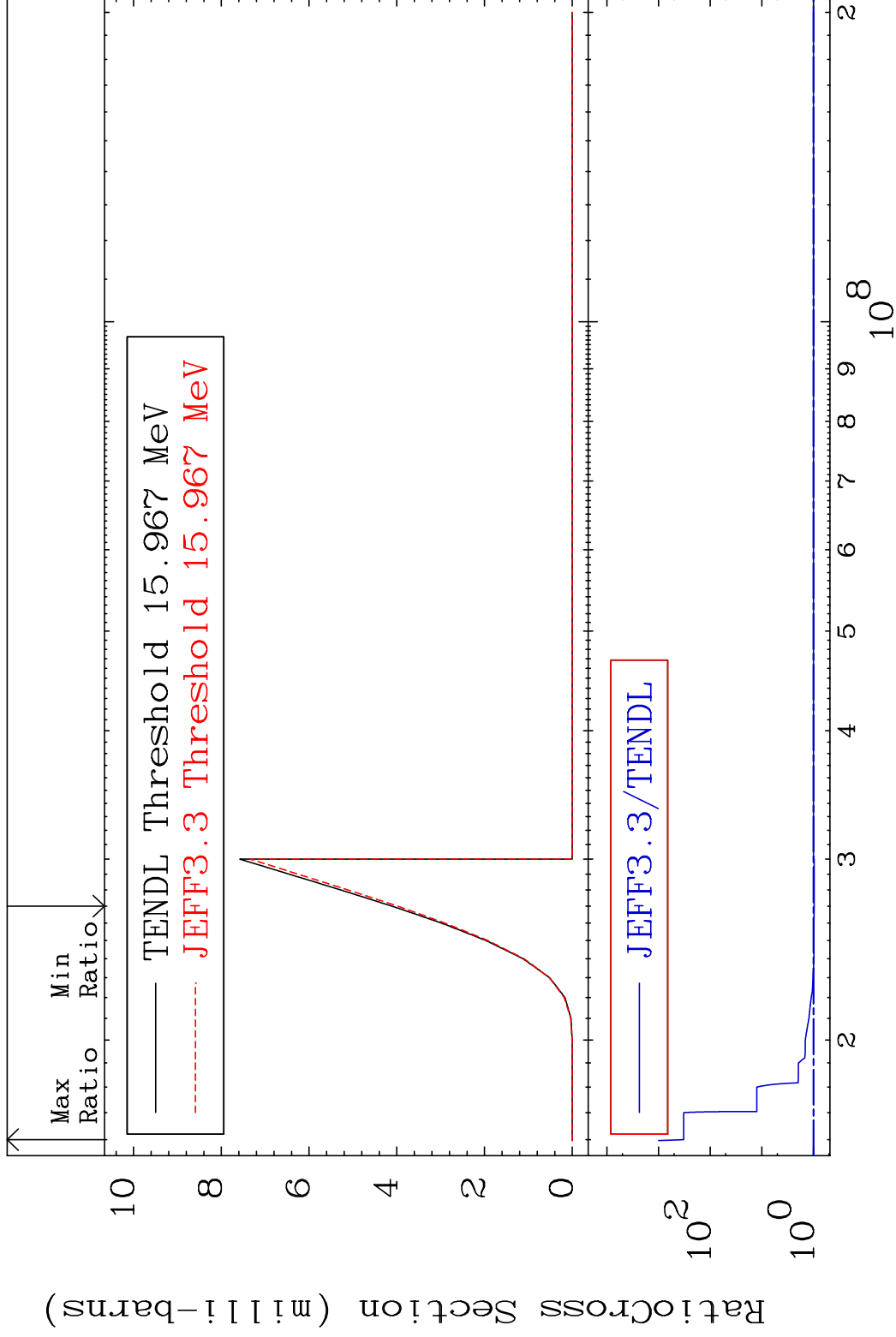


MAT 3525

(n, n') t

35-Br-79

Cross Section -3.229 To 9999. %



13

Incident Energy (eV)

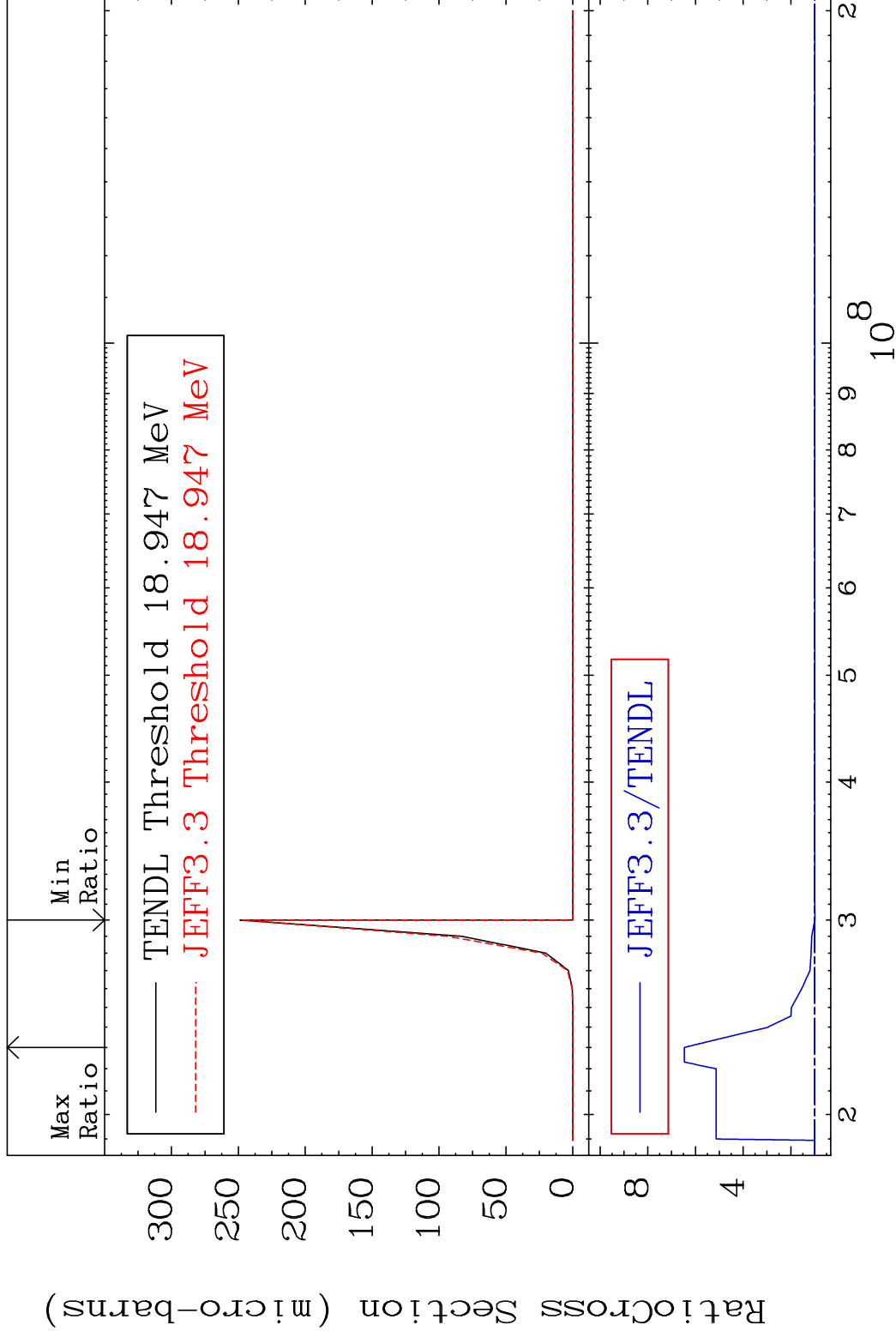
35-Br-79

MAT 3525

(n,n') He-3

35-Br-79

Cross Section -0.811 To 546.8 %

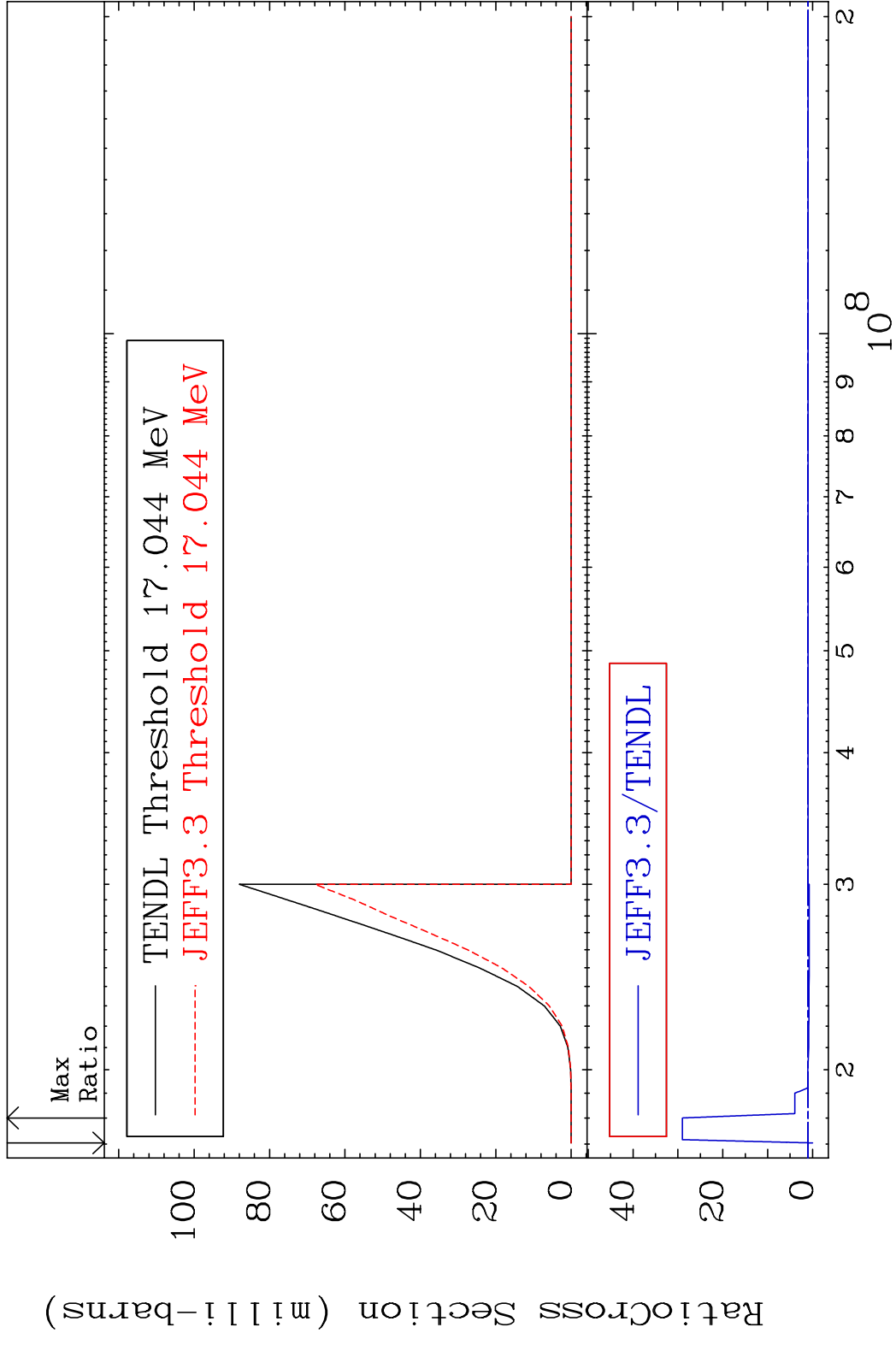


14

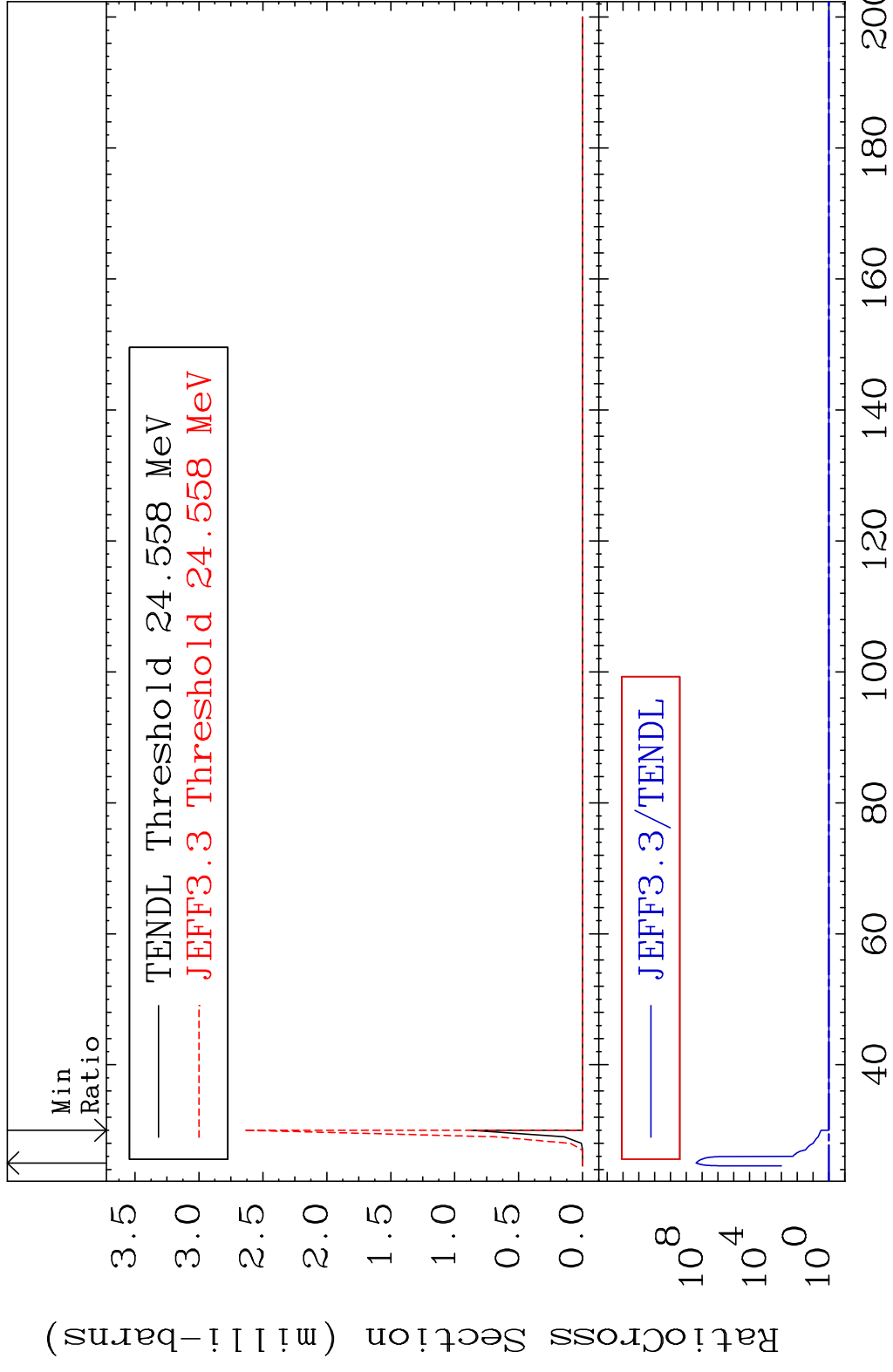
Incident Energy (eV)

35-Br-79

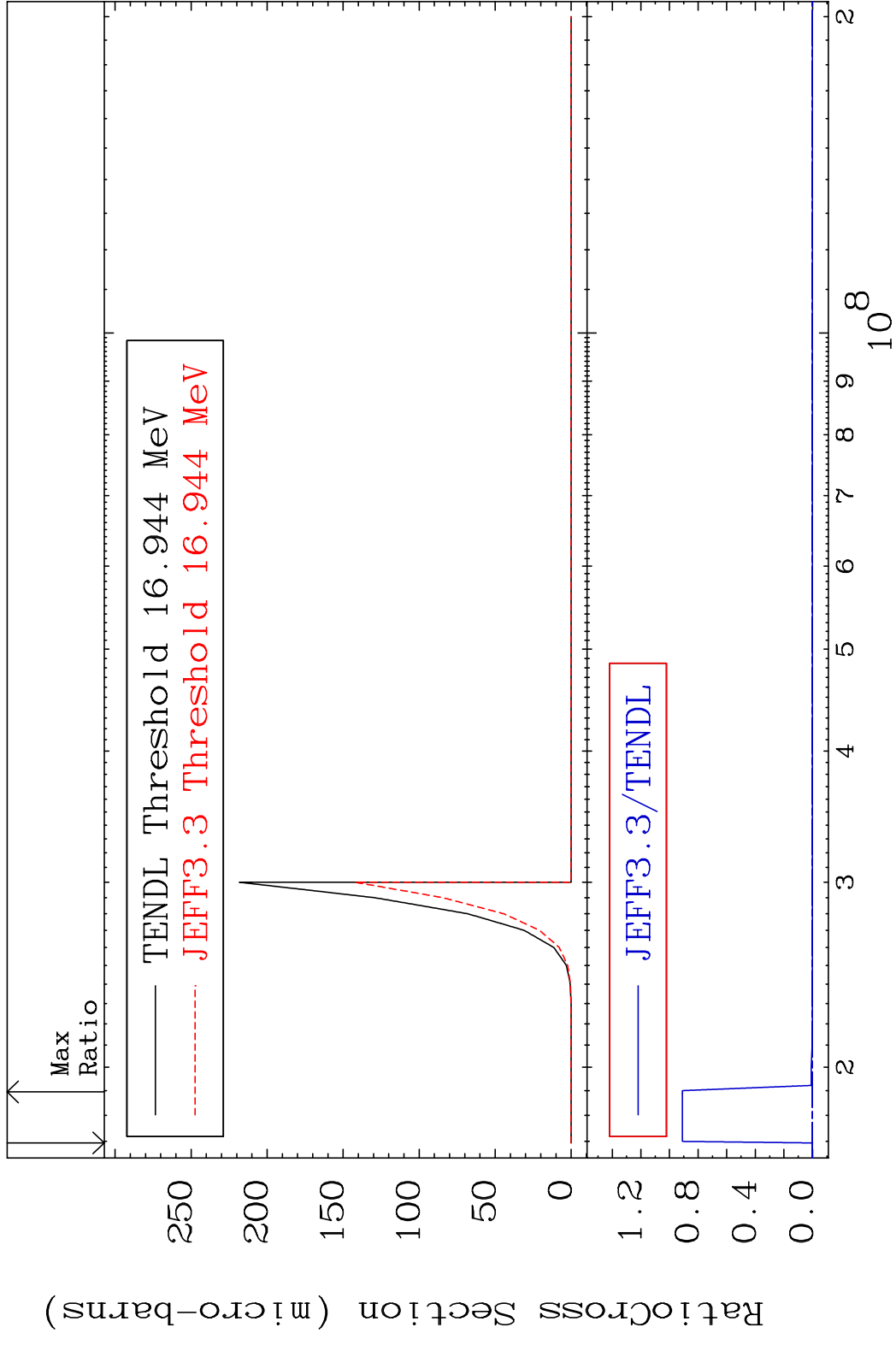
MAT 3525 (n,2n) p 35-Br-79
 Cross Section -100.0 To 2801. %



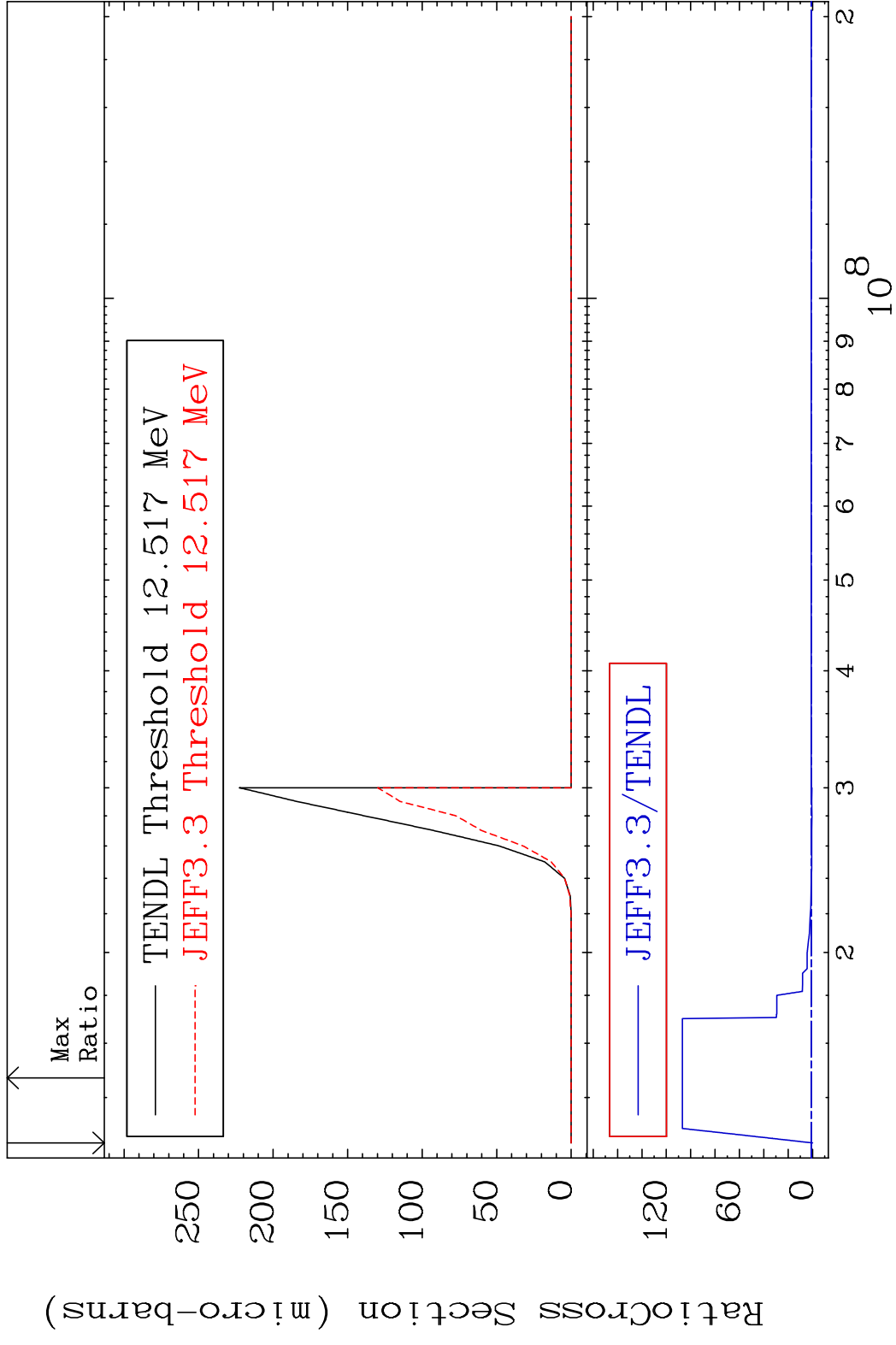
MAT 3525 (n,3n) p 35-Br-79
 Cross Section 0.000 To 9999. %



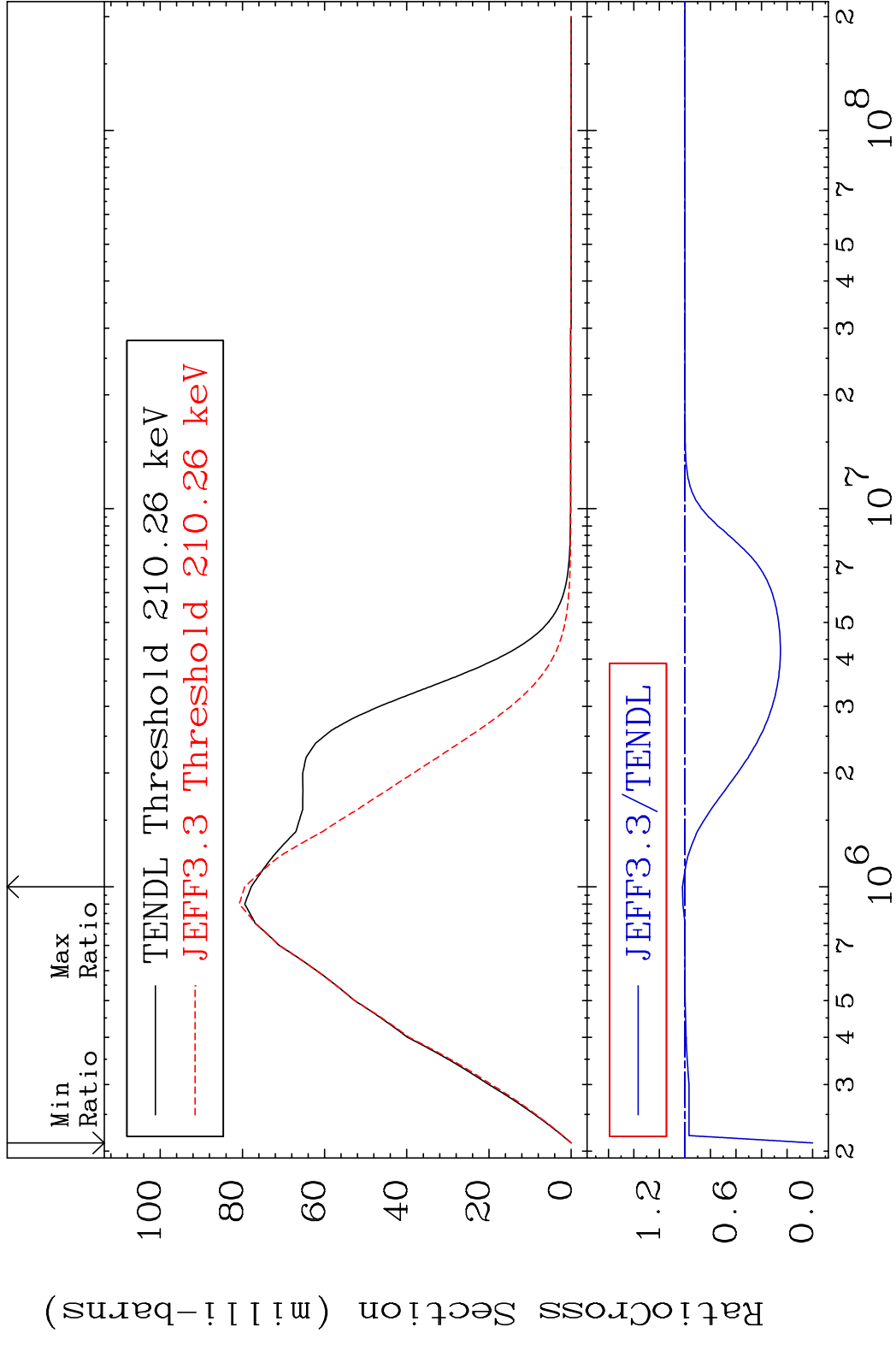
MAT 3525 (n,2n) p 35-Br-79
 Cross Section -100.0 To 9999. %



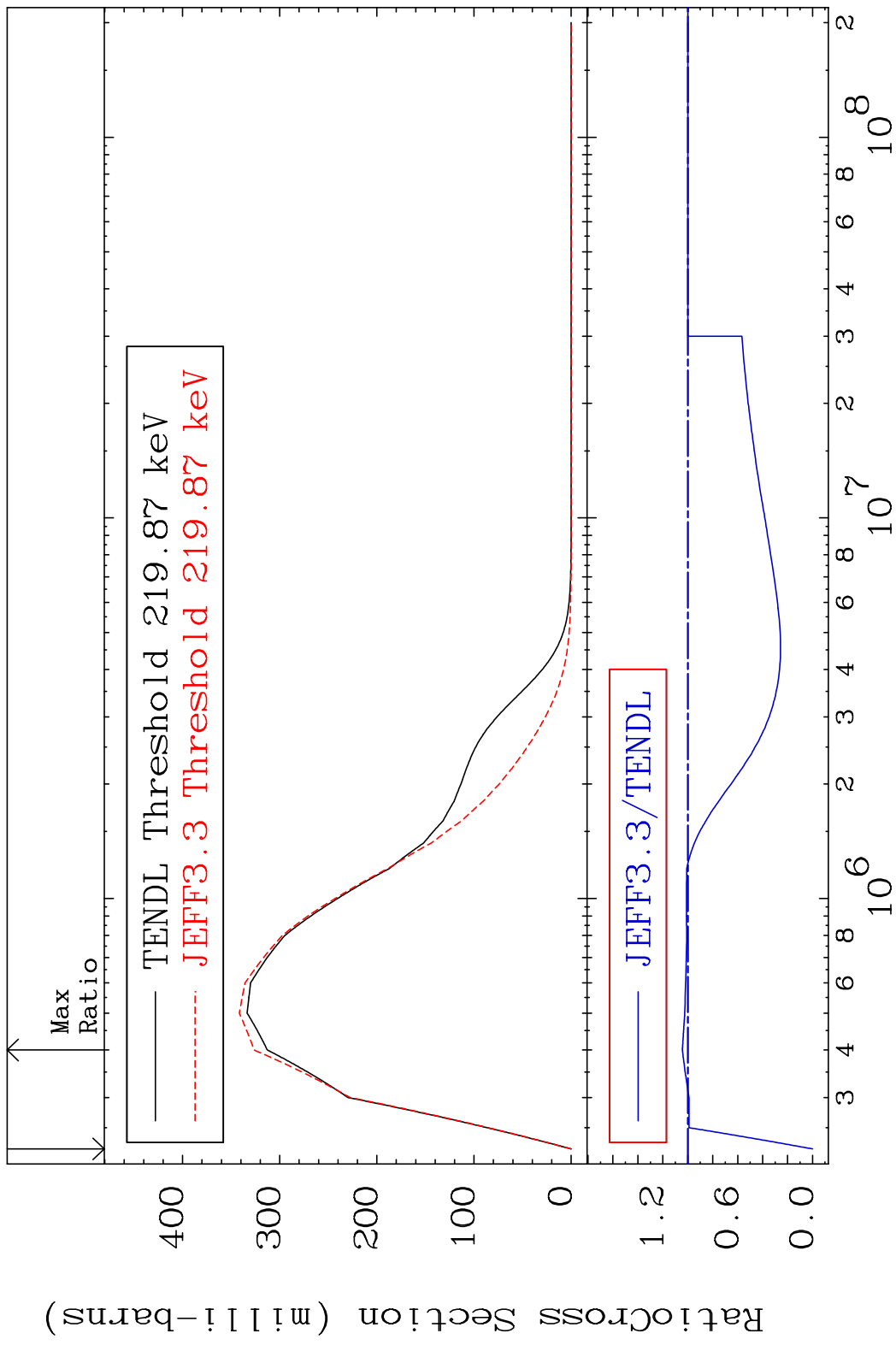
MAT 3525 (n,n') p α 35-Br-79
 Cross Section -100.0 To 9999. %



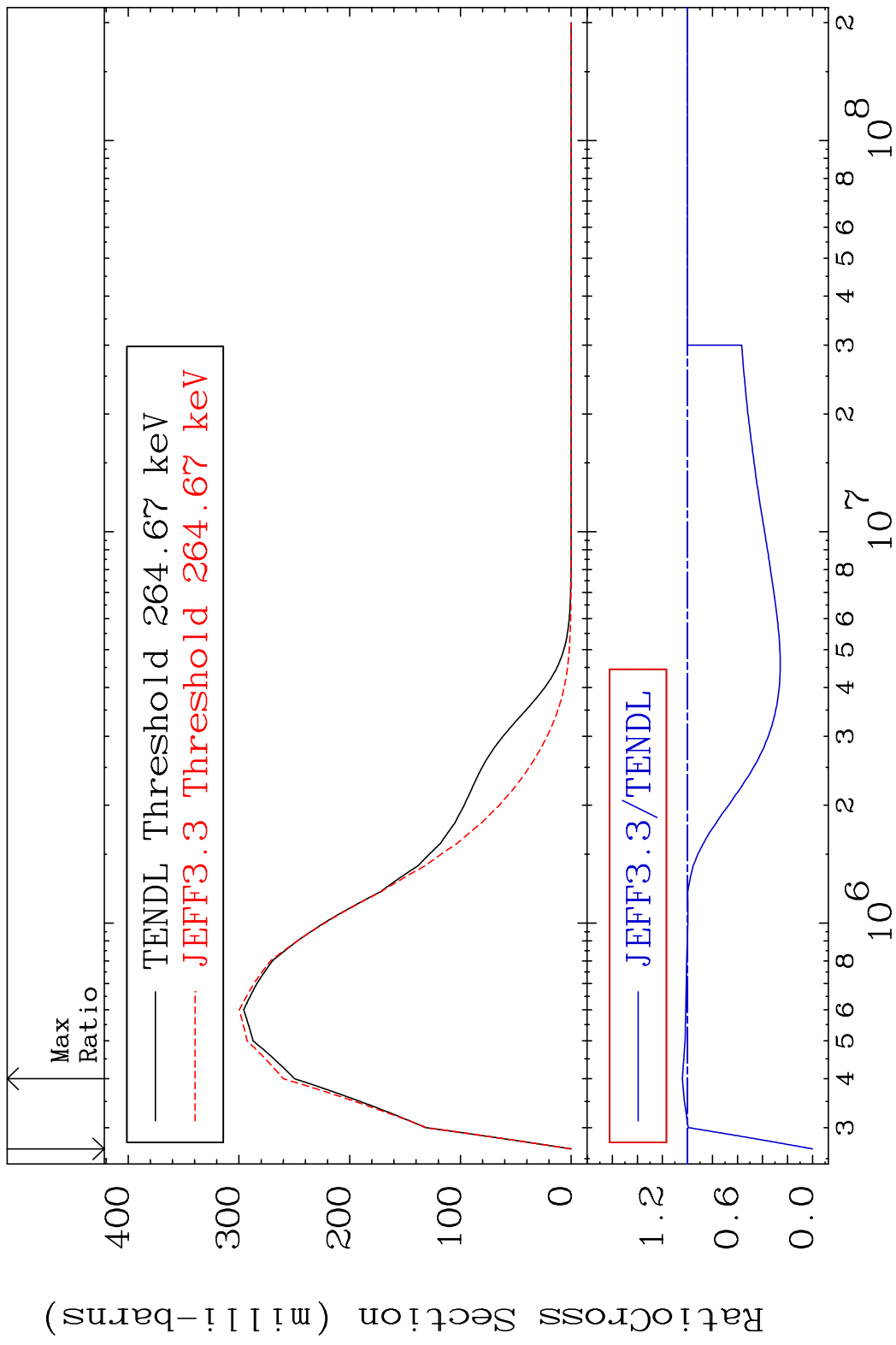
MAT 3525 MT= 51 (n, n') Level 35-Br-79
 Cross Section -100.0 To 2.039 %



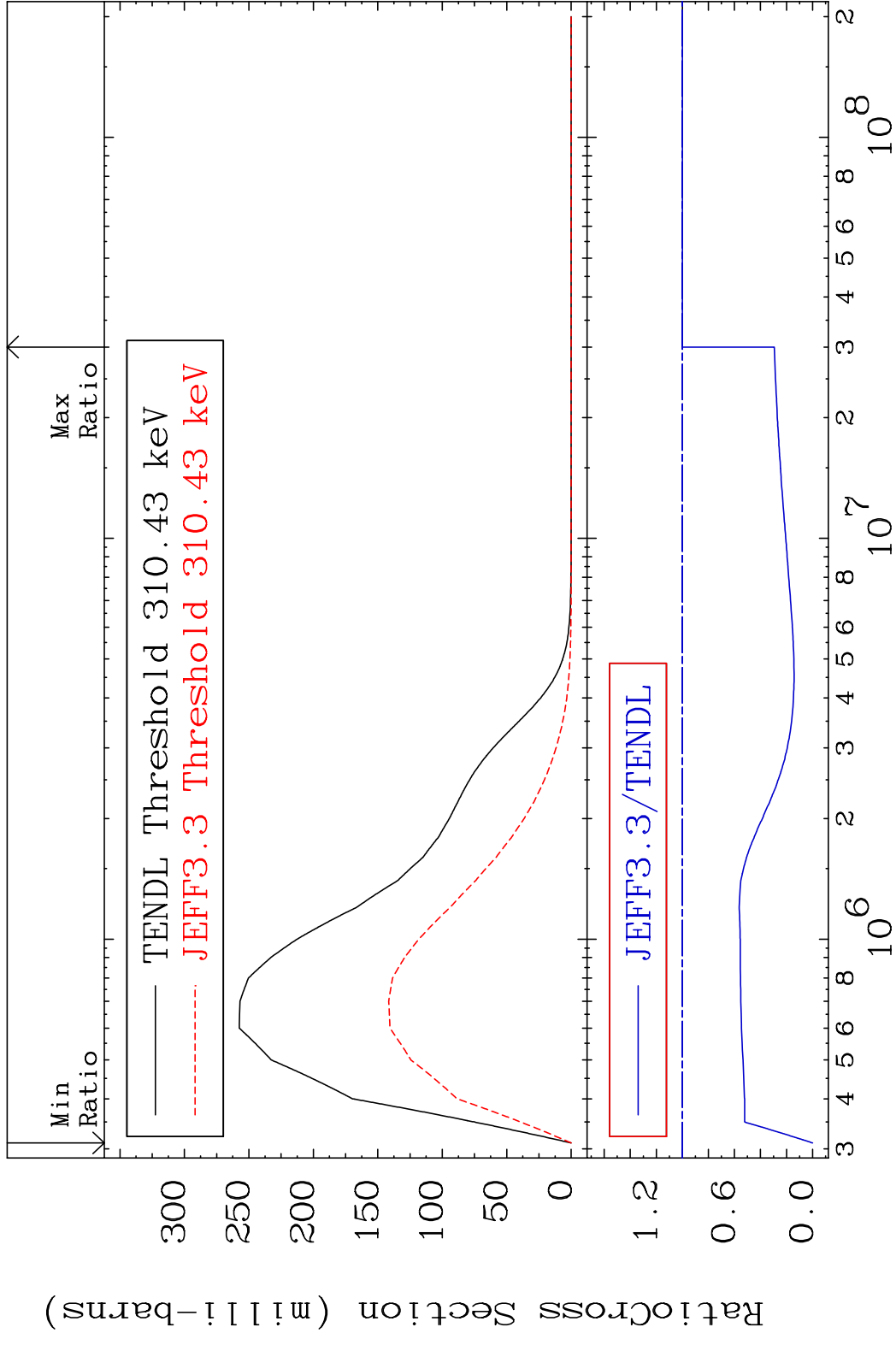
MAT 3525 MT= 52 (n, n') Level 35-Br-79
 Cross Section -100.0 To 4.358 %



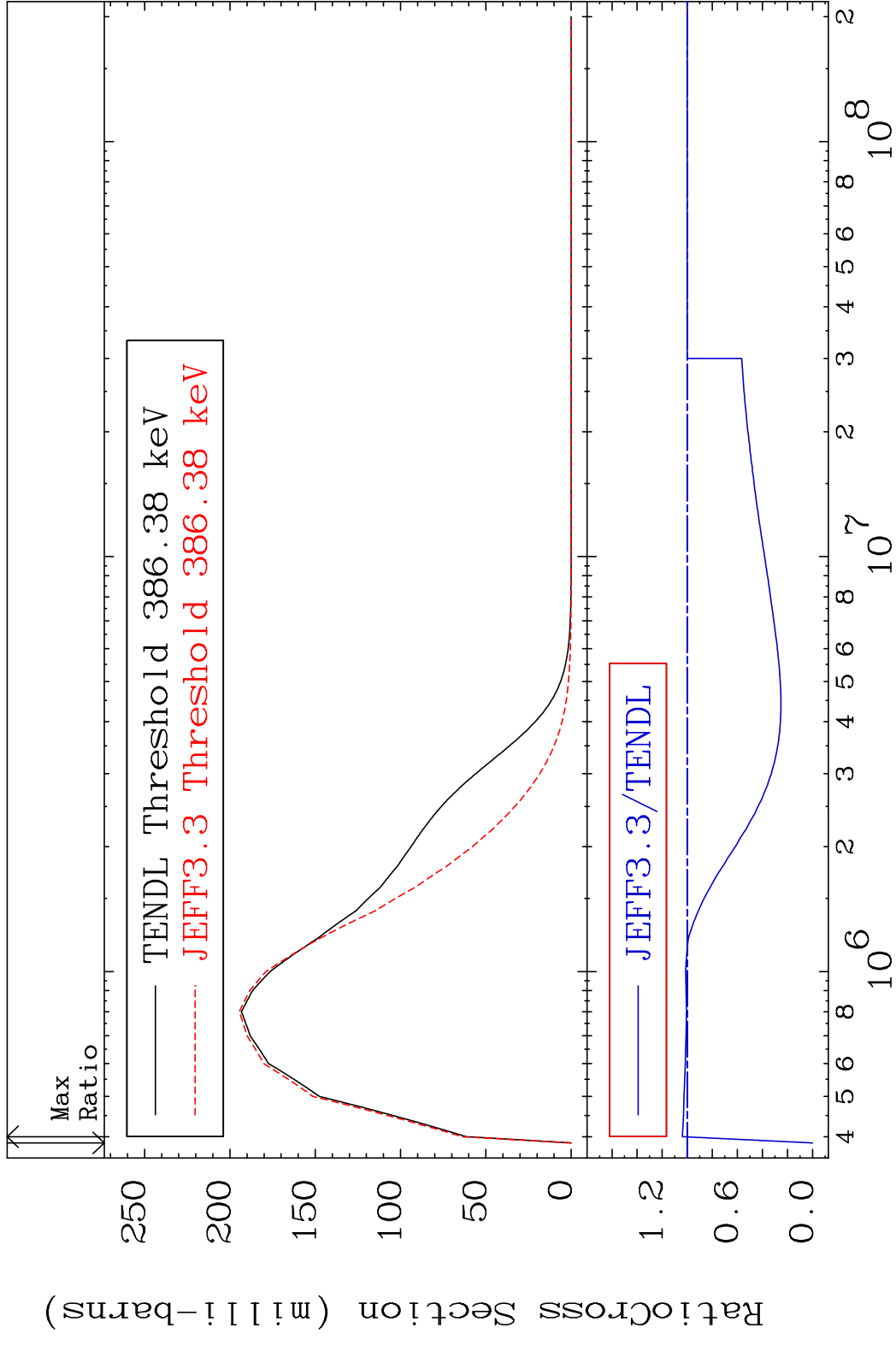
MAT 3525 MT= 53 (n,n') Level 35-Br-79
 Cross Section -100.0 To 4.071 %



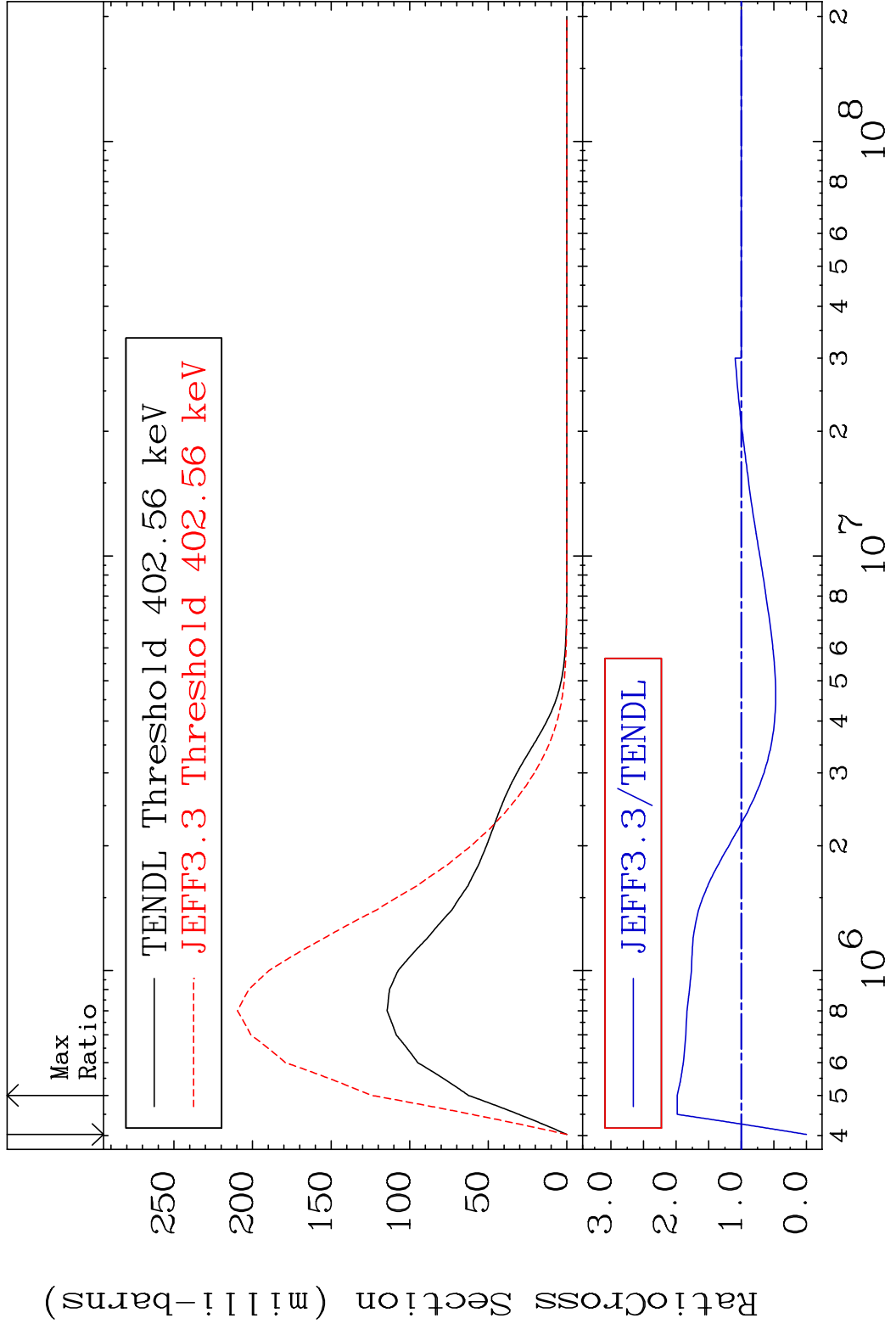
MAT 3525 MT= 54 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.000 %



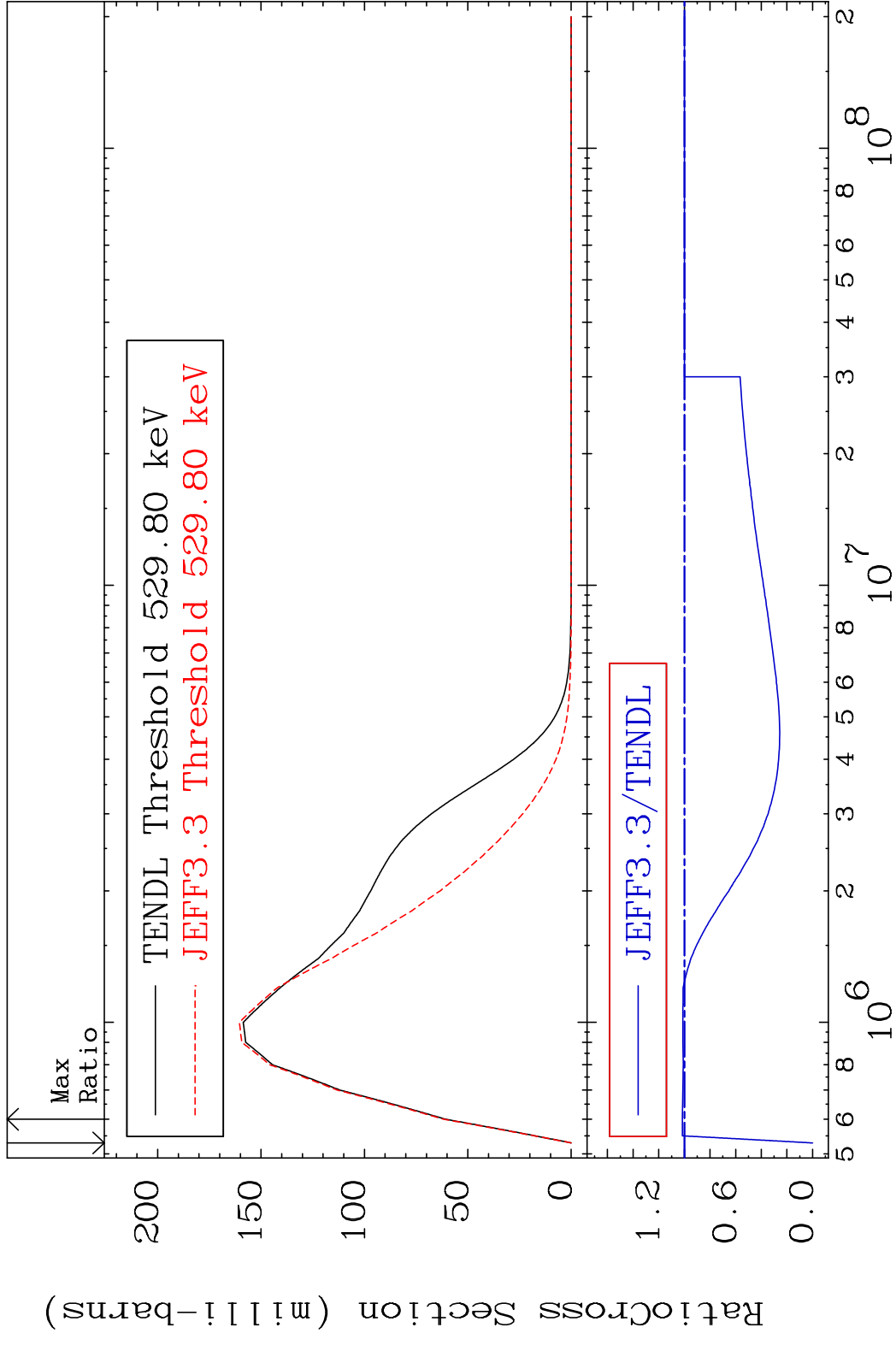
MAT 3525 MT= 55 (n, n') Level 35-Br-79
 Cross Section -100.0 To 3.895 %



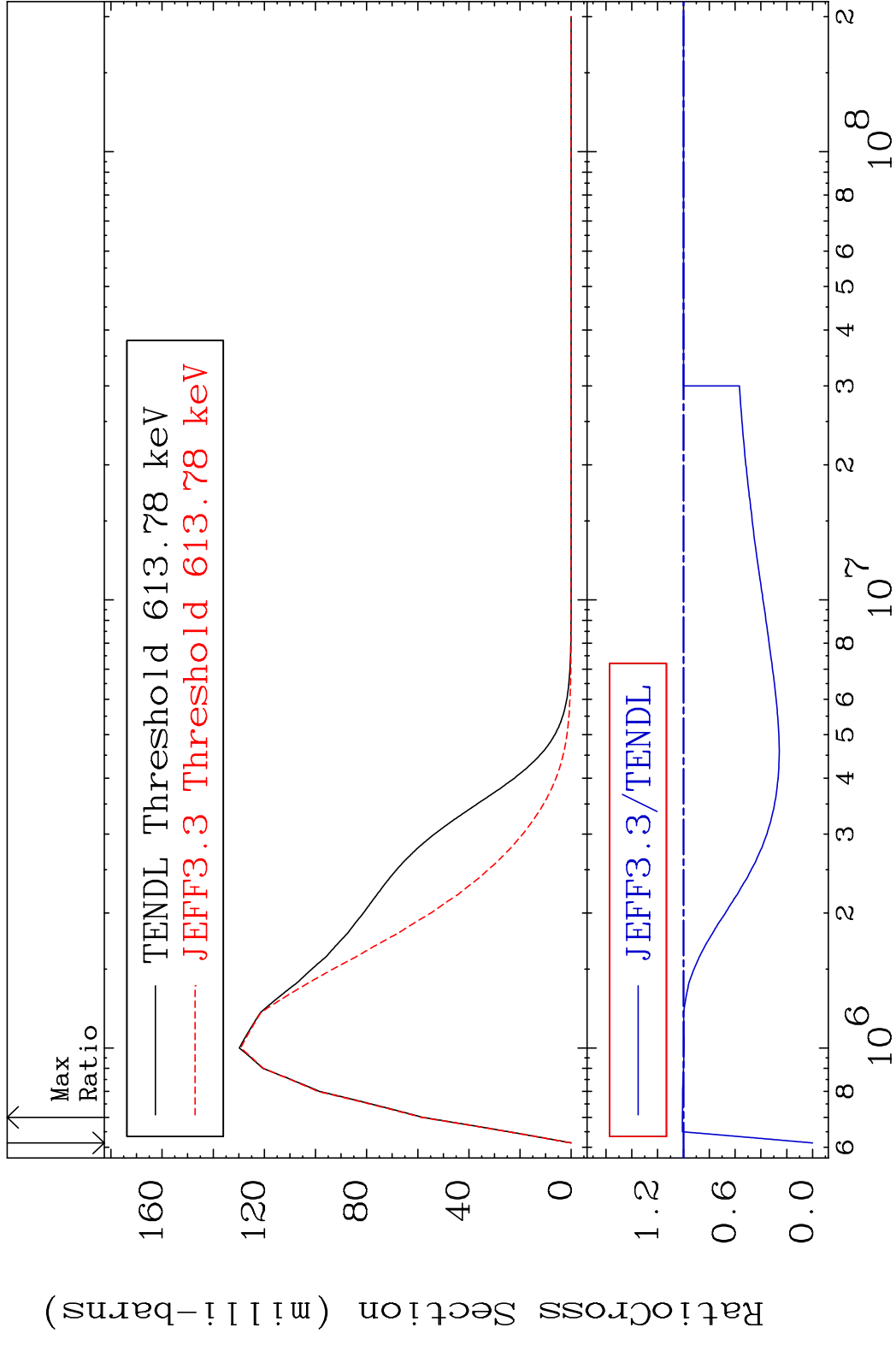
MAT 3525 MT= 56 (n,n') Level 35-Br-79
 Cross Section -100.0 To 98.29 %



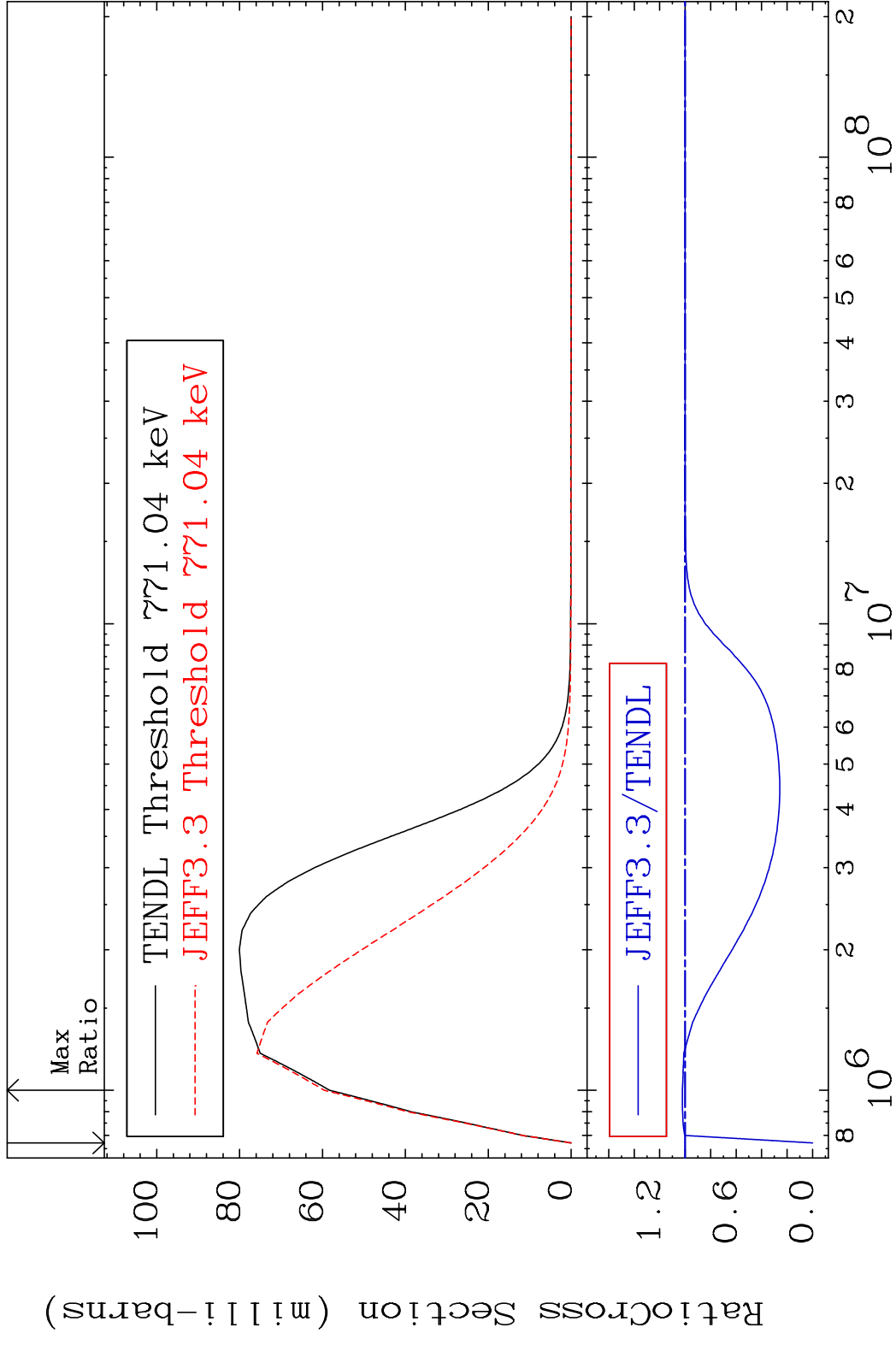
MAT 3525 MT= 57 (n, n') Level 35-Br-79
 Cross Section -100.0 To 1.577 %



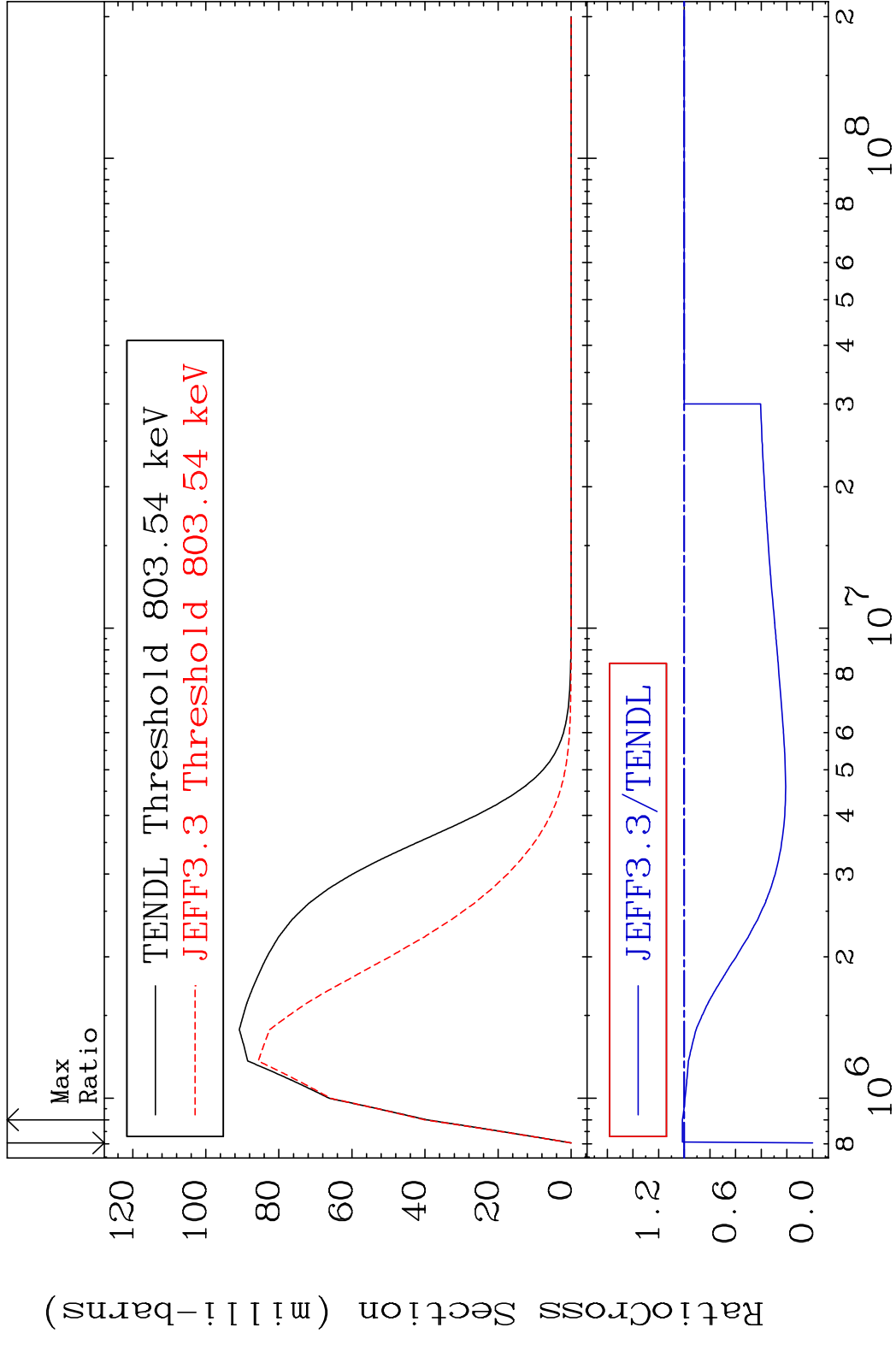
MAT 3525 MT= 58 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.847 %



MAT 3525 MT= 59 (n, n') Level 35-Br-79
 Cross Section -100.0 To 2.196 %

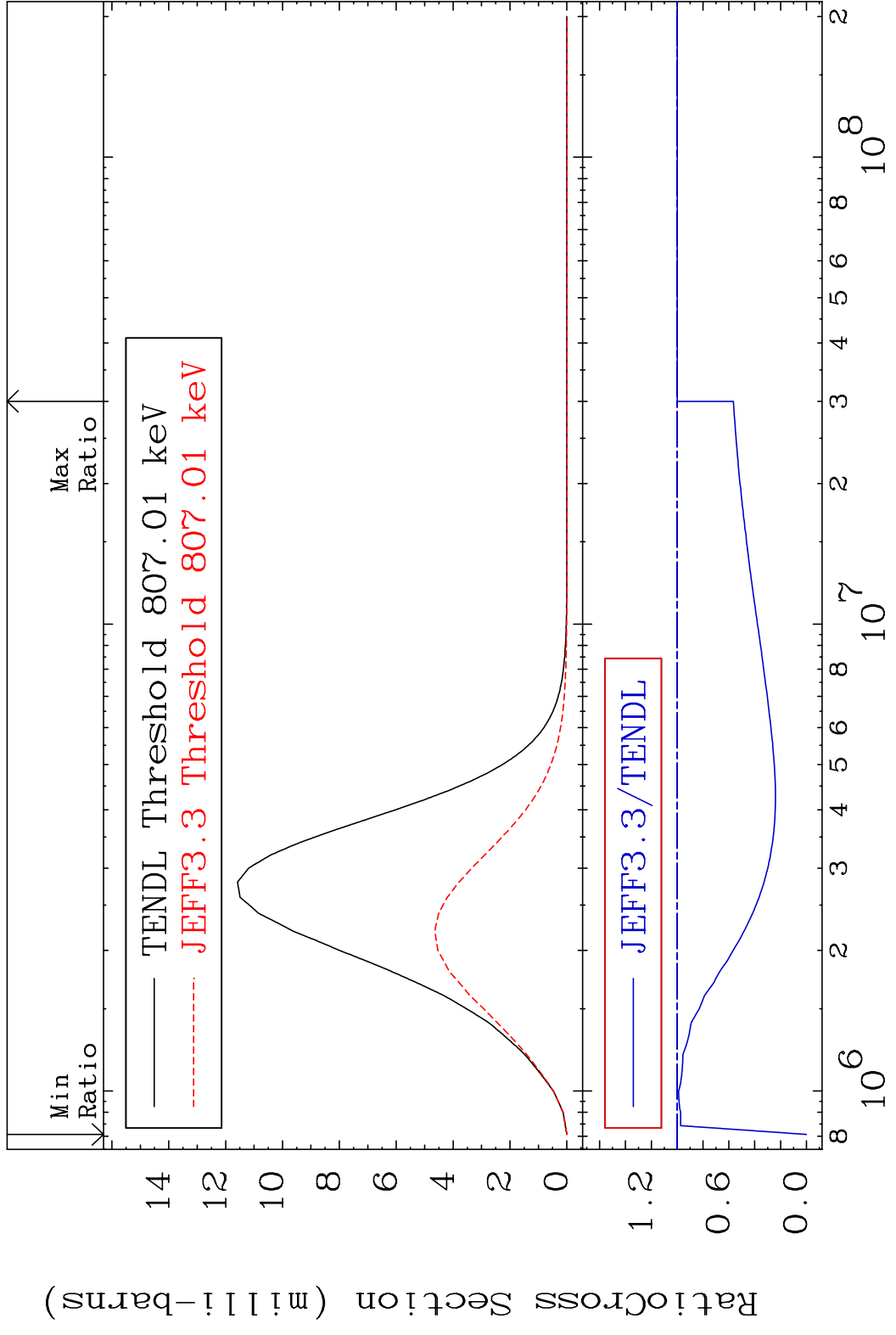


MAT 3525 MT= 60 (n, n') Level 35-Br-79
 Cross Section -100.0 To 1.485 %

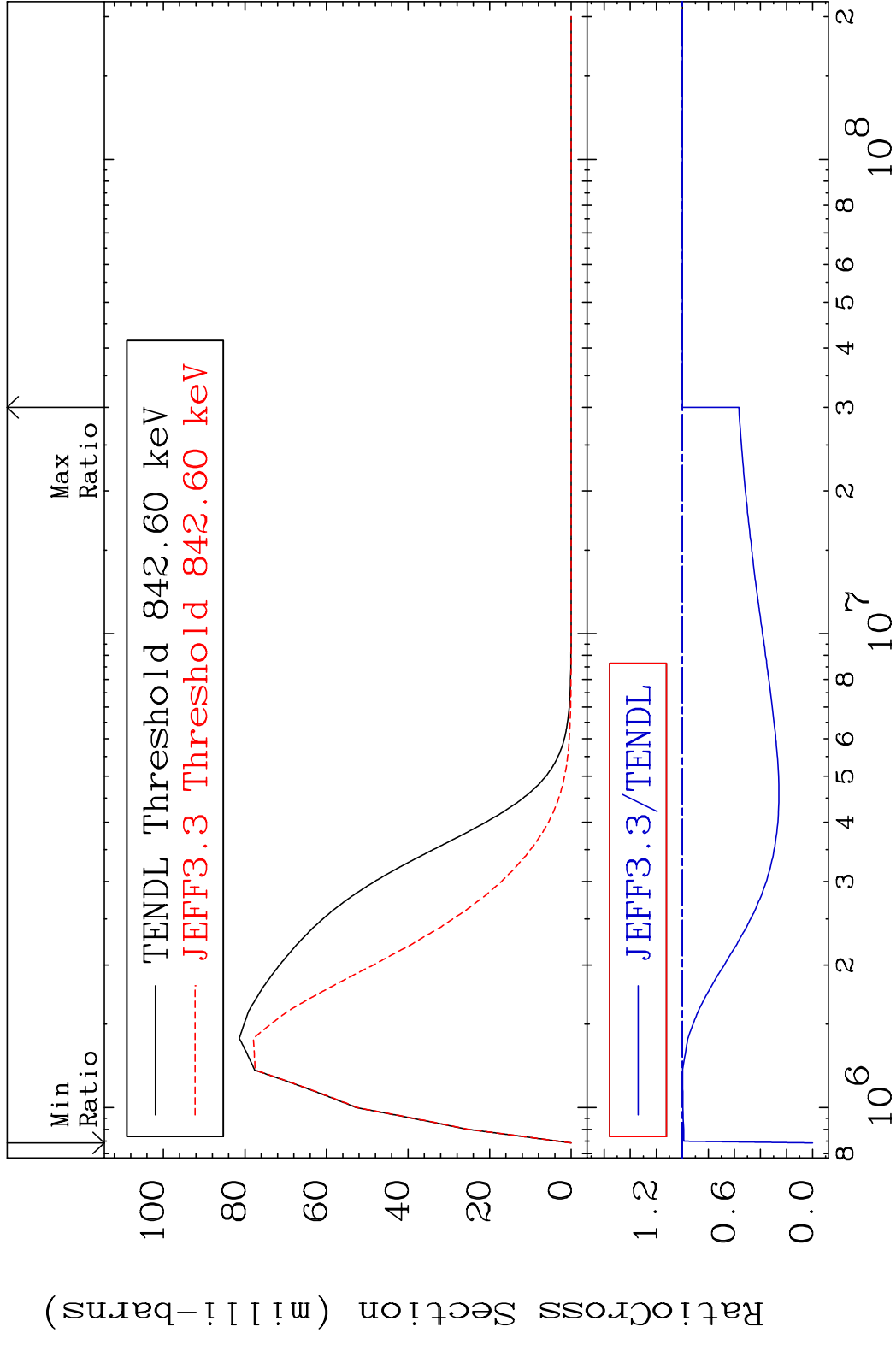


28 Incident Energy (eV) 35-Br-79

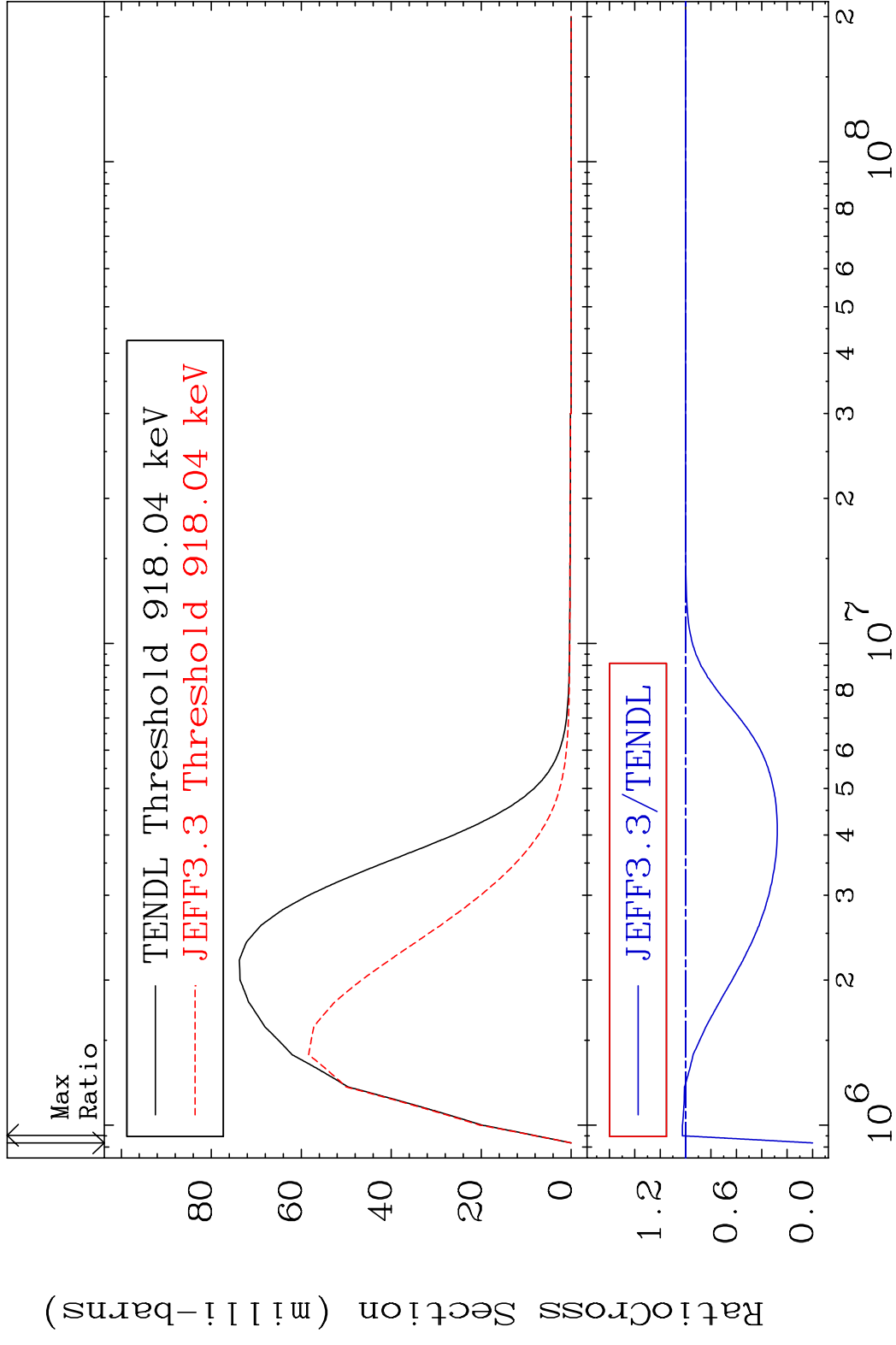
MAT 3525 MT= 61 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.000 %



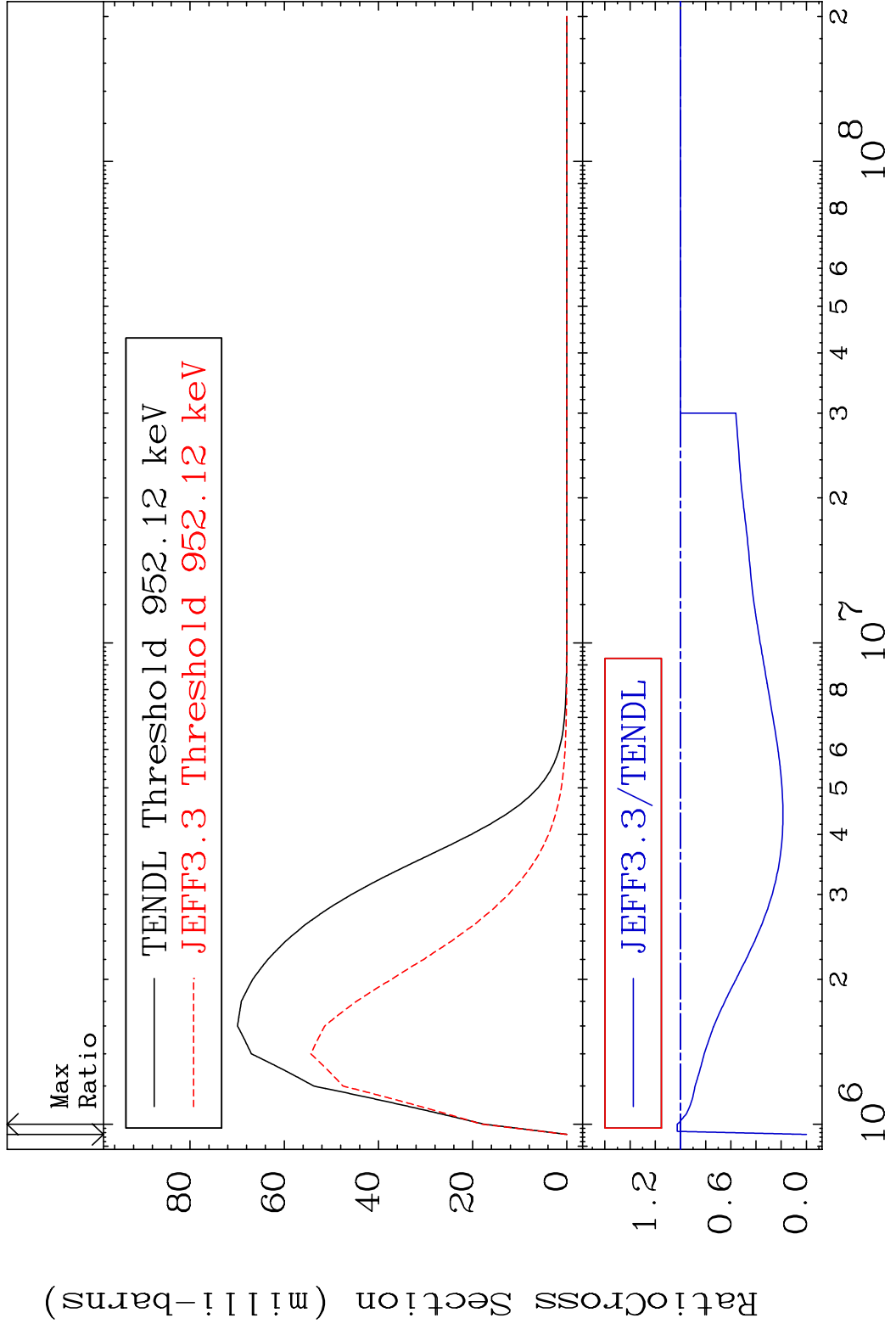
MAT 3525 MT= 62 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.000 %



MAT 3525 MT= 63 (n, n') Level 35-Br-79
 Cross Section -100.0 To 2.547 %

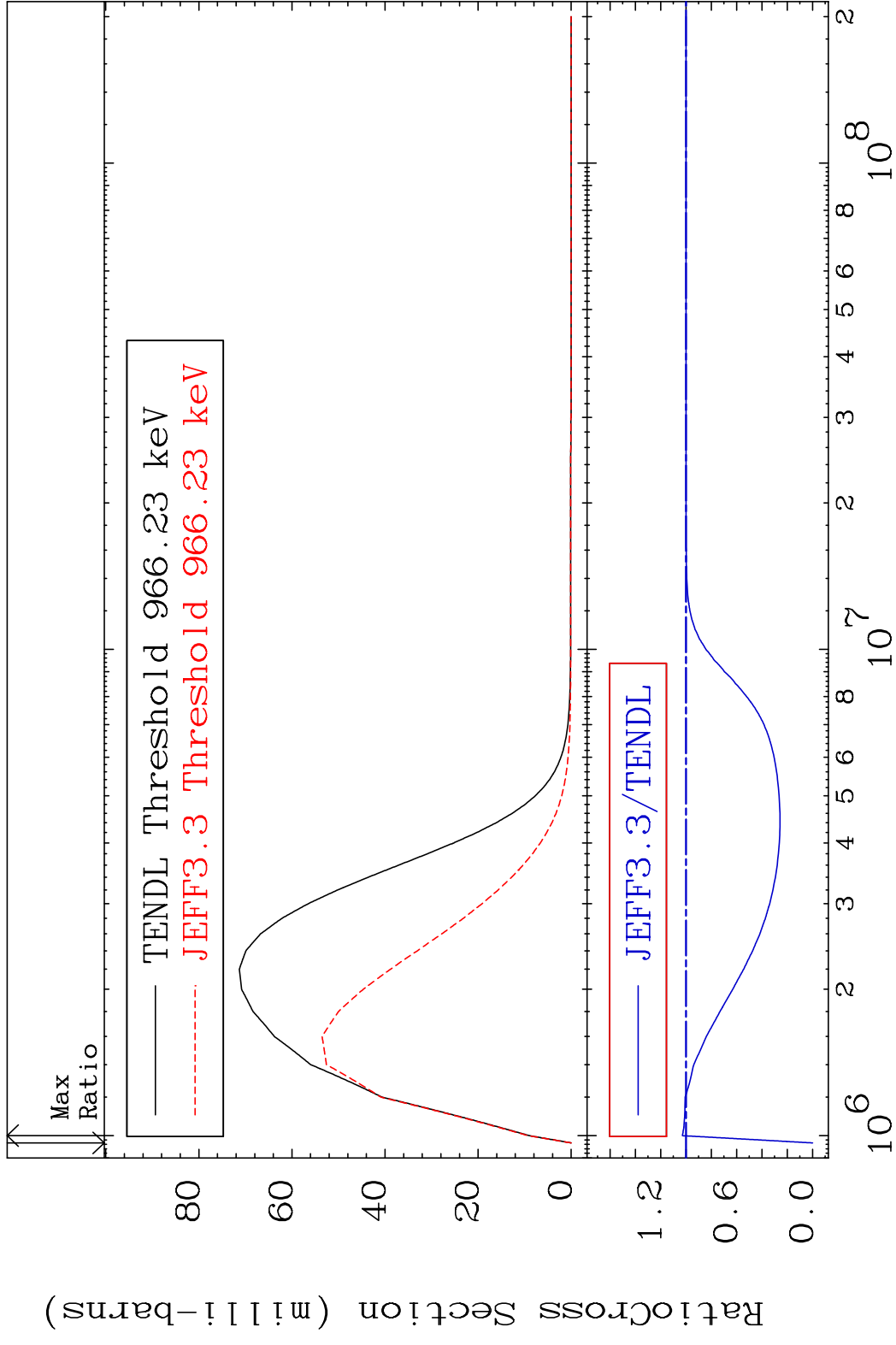


MAT 3525 MT= 64 (n, n') Level 35-Br-79
 Cross Section -100.0 To 2.599 %



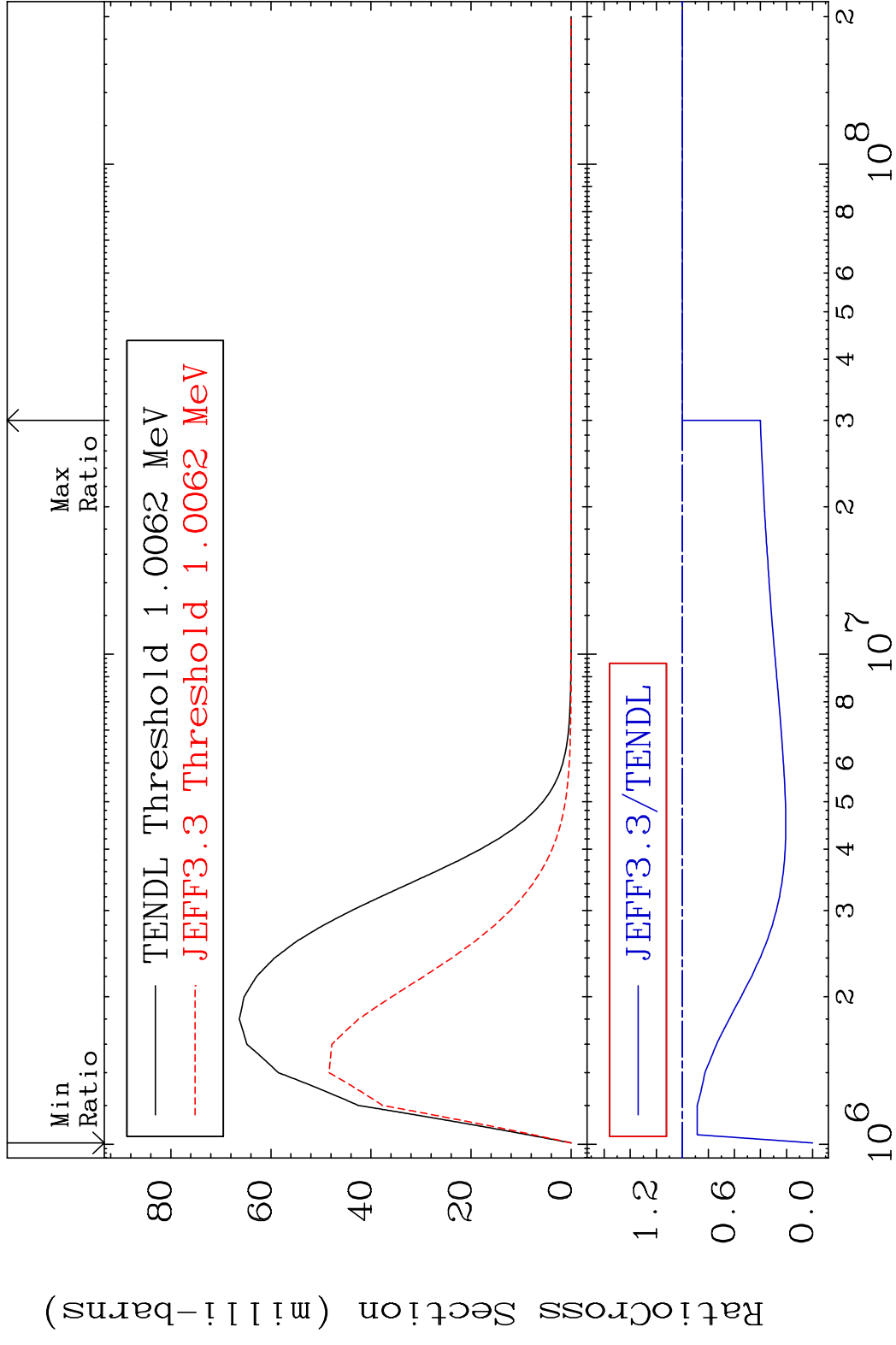
32 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 65 (n,n') Level 35-Br-79
 Cross Section -100.0 To 2.895 %



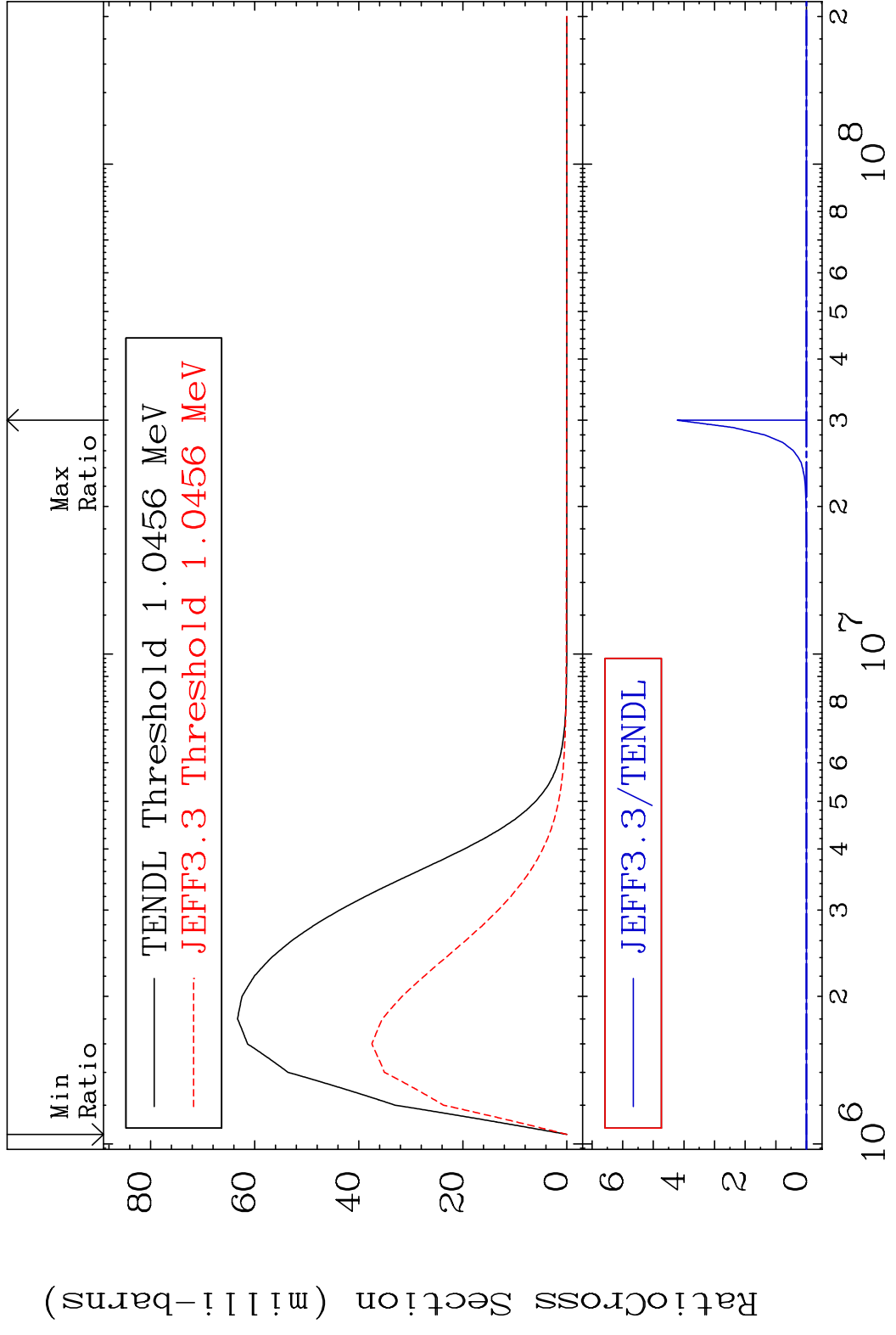
33 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 66 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.000 %



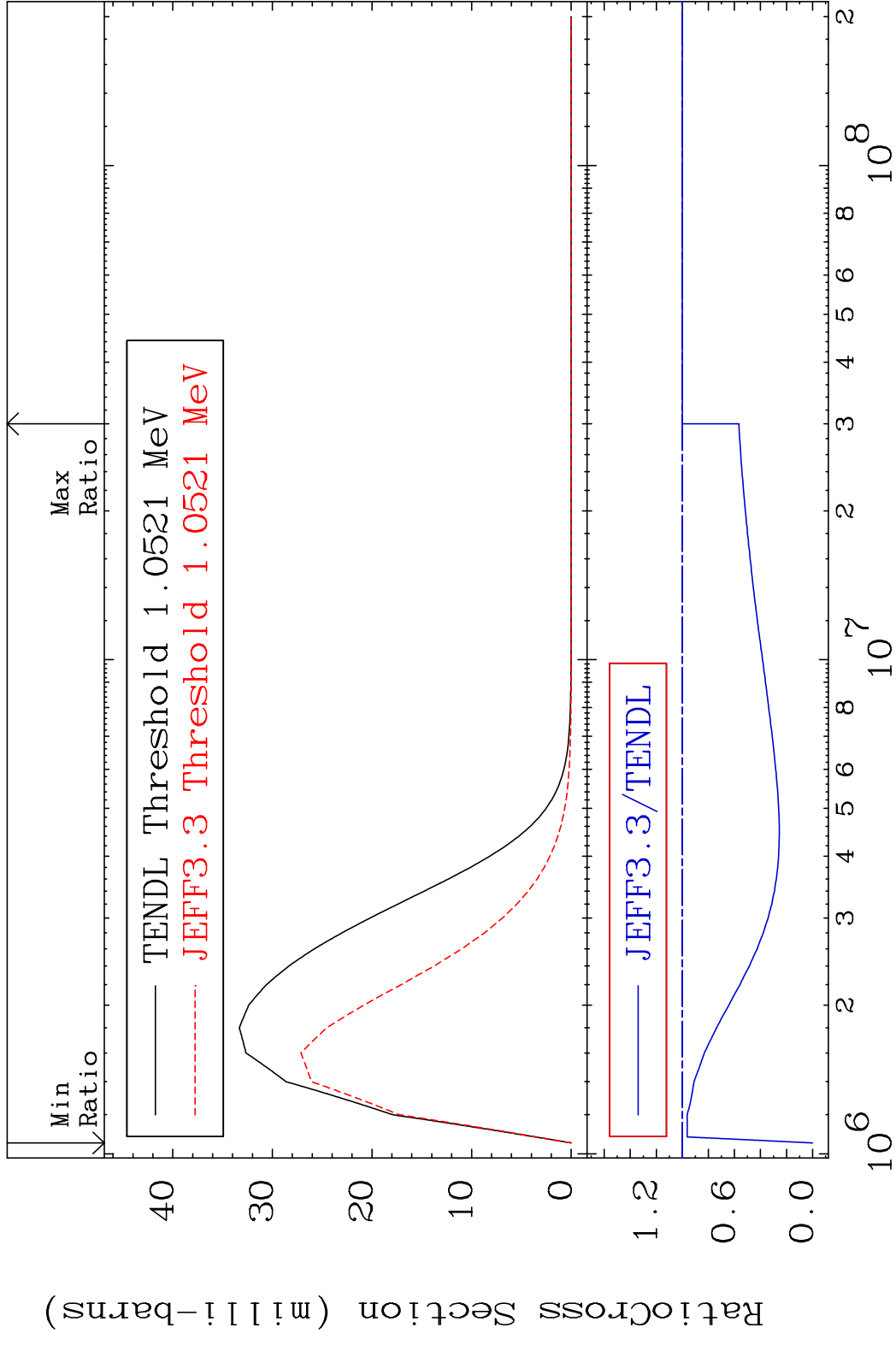
34 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 67 (n, n') Level 35-Br-79
 Cross Section -100.0 To 9999. %



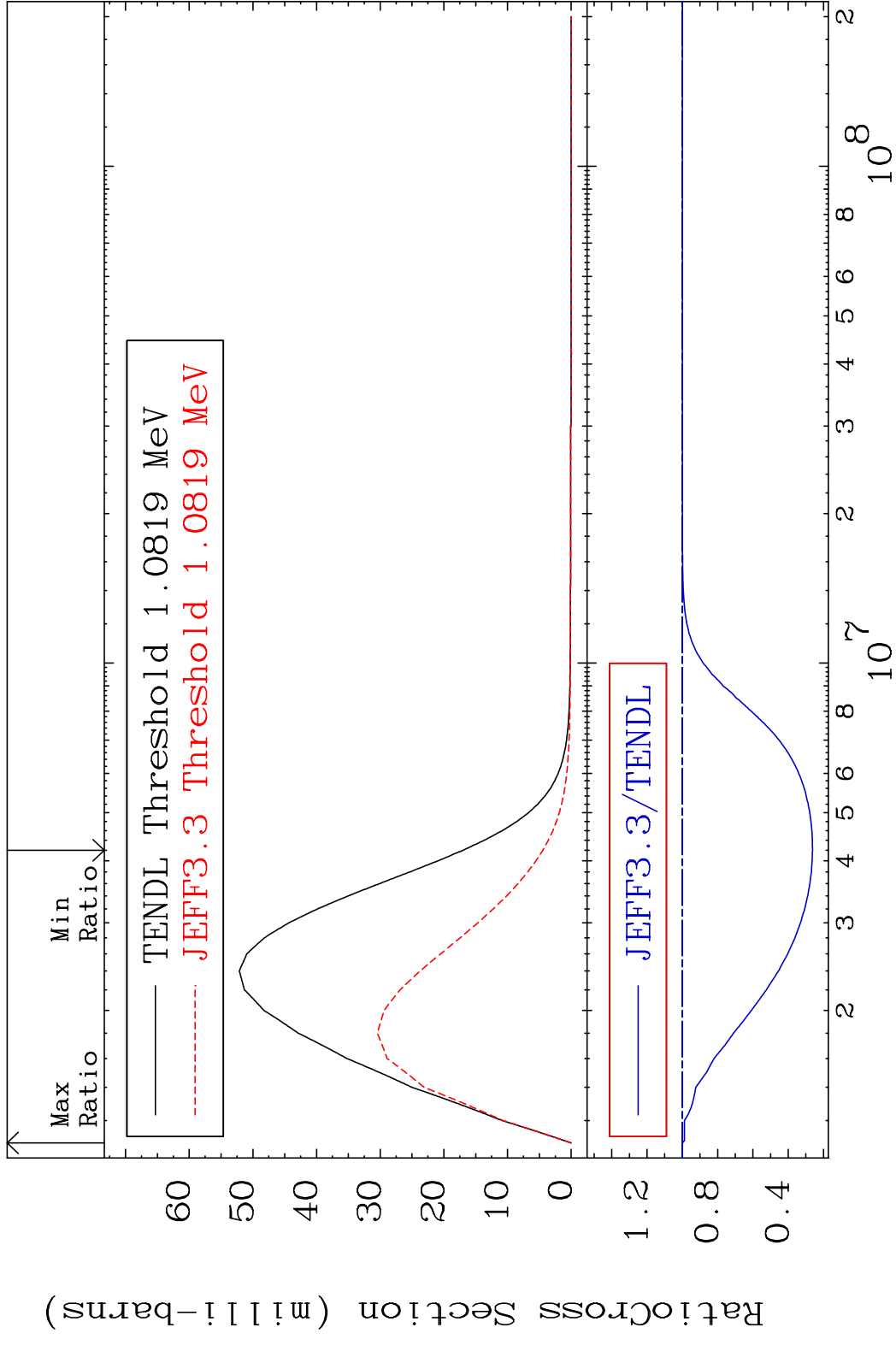
35 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 68 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.000 %

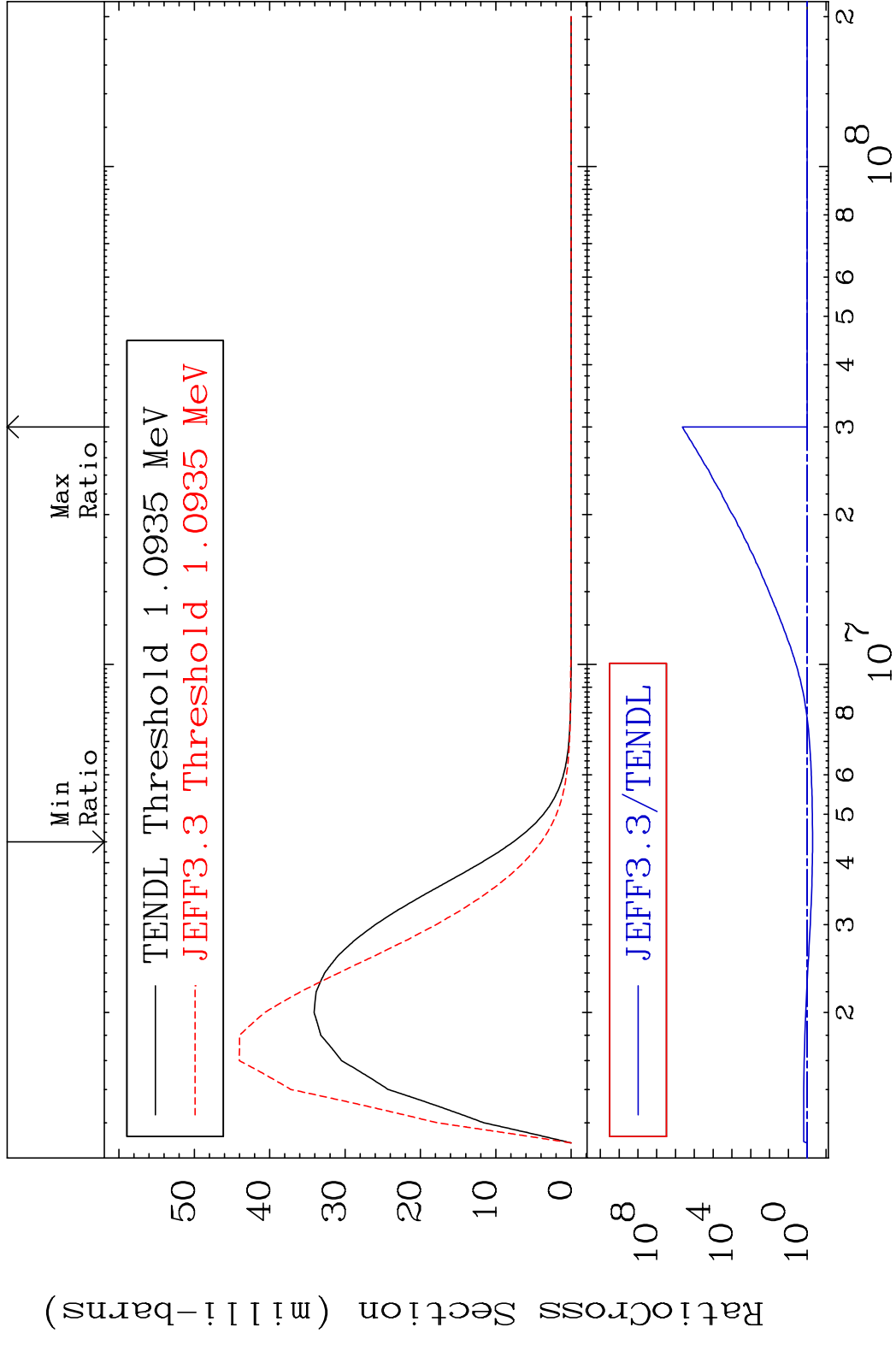


36 Incident Energy (eV) 35-Br-79

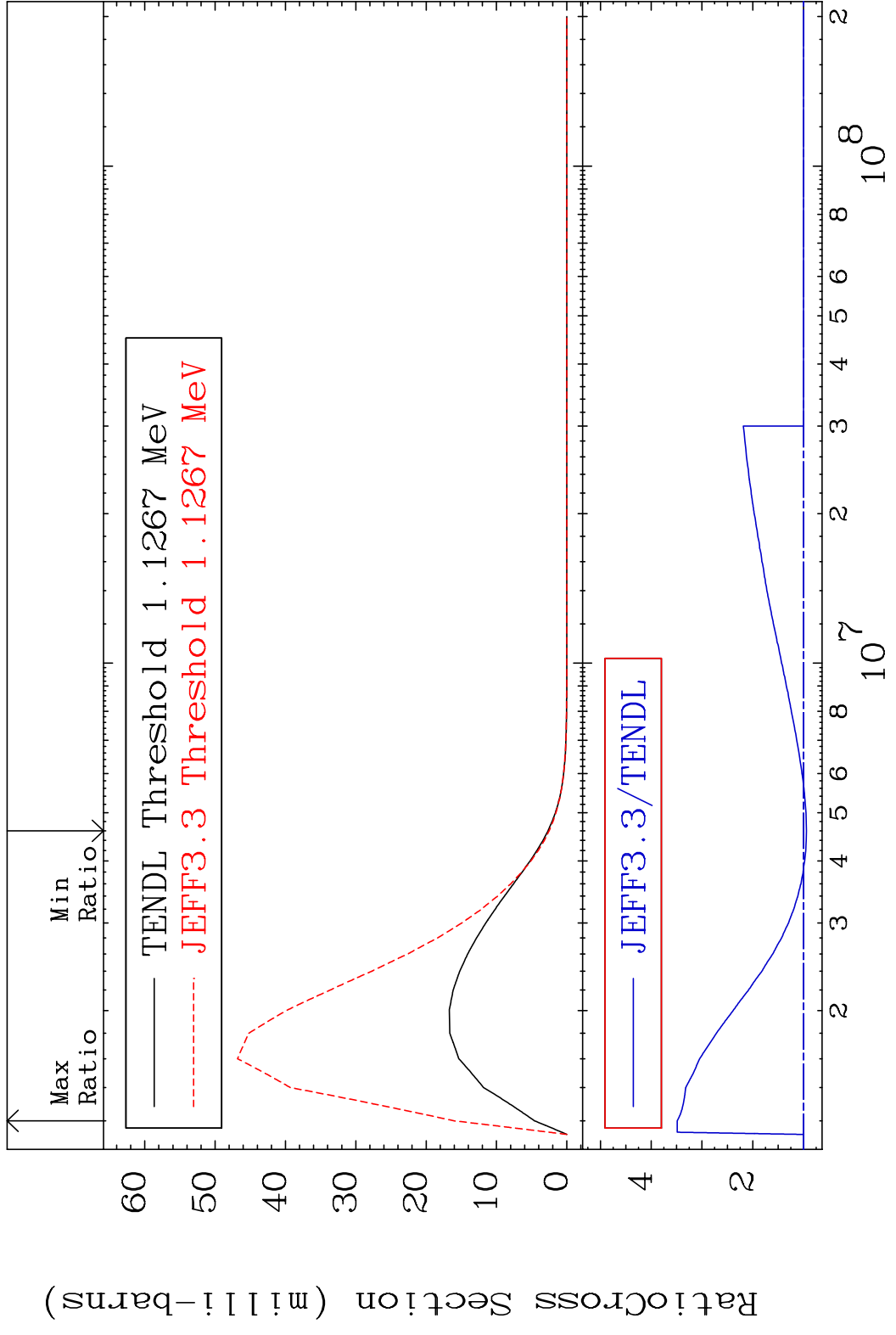
MAT 3525 MT= 69 (n,n') Level 35-Br-79
 Cross Section -73.79 To 0.000 %



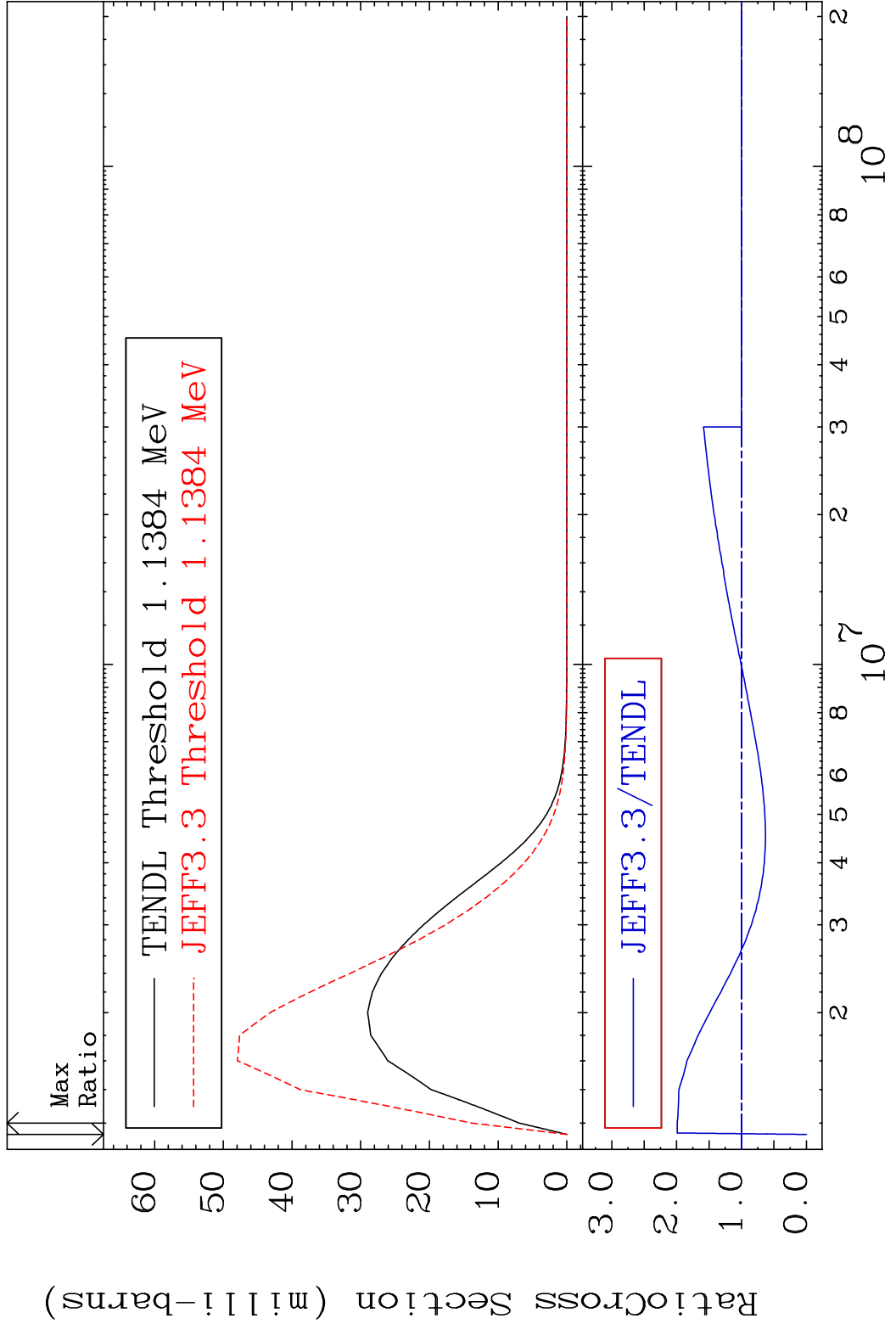
MAT 3525 MT= 70 (n, n') Level 35-Br-79
 Cross Section -48.09 To 9999. %



MAT 3525 MT= 71 (n, n') Level 35-Br-79
 Cross Section -5.680 To 248.8 %

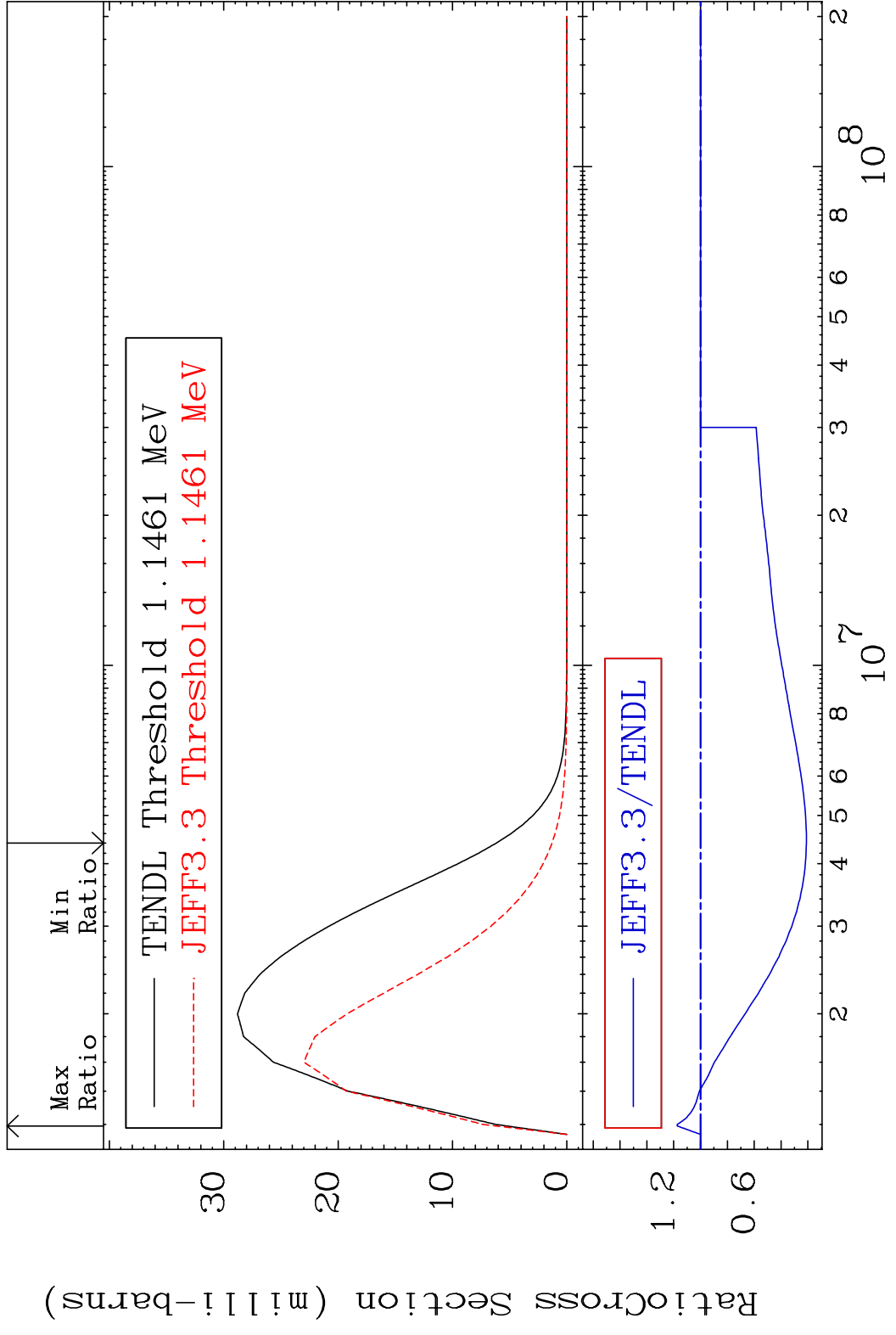


MAT 3525 MT= 72 (n, n') Level 35-Br-79
 Cross Section -100.0 To 99.12 %

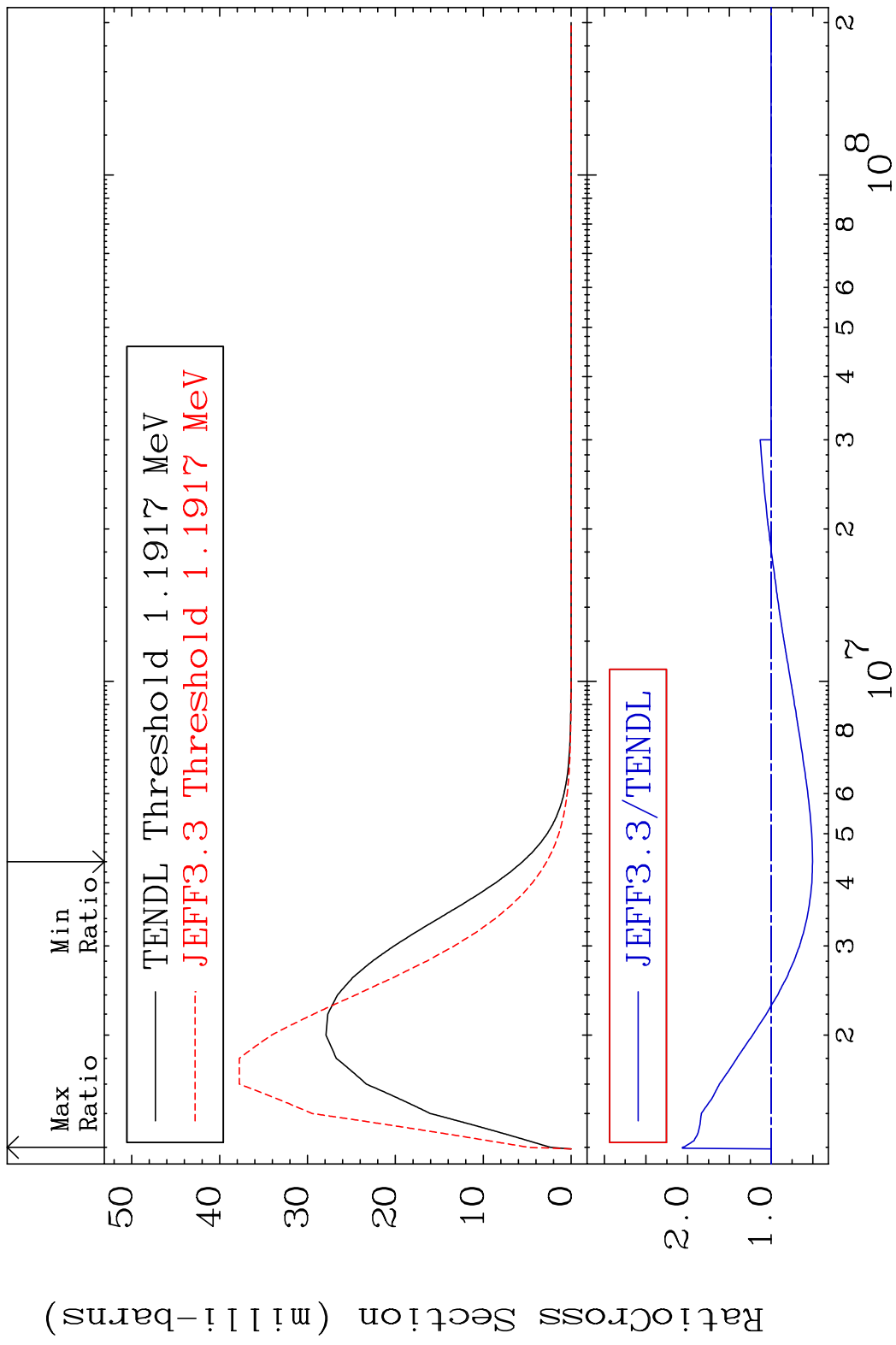


40 Incident Energy (eV) 35-Br-79

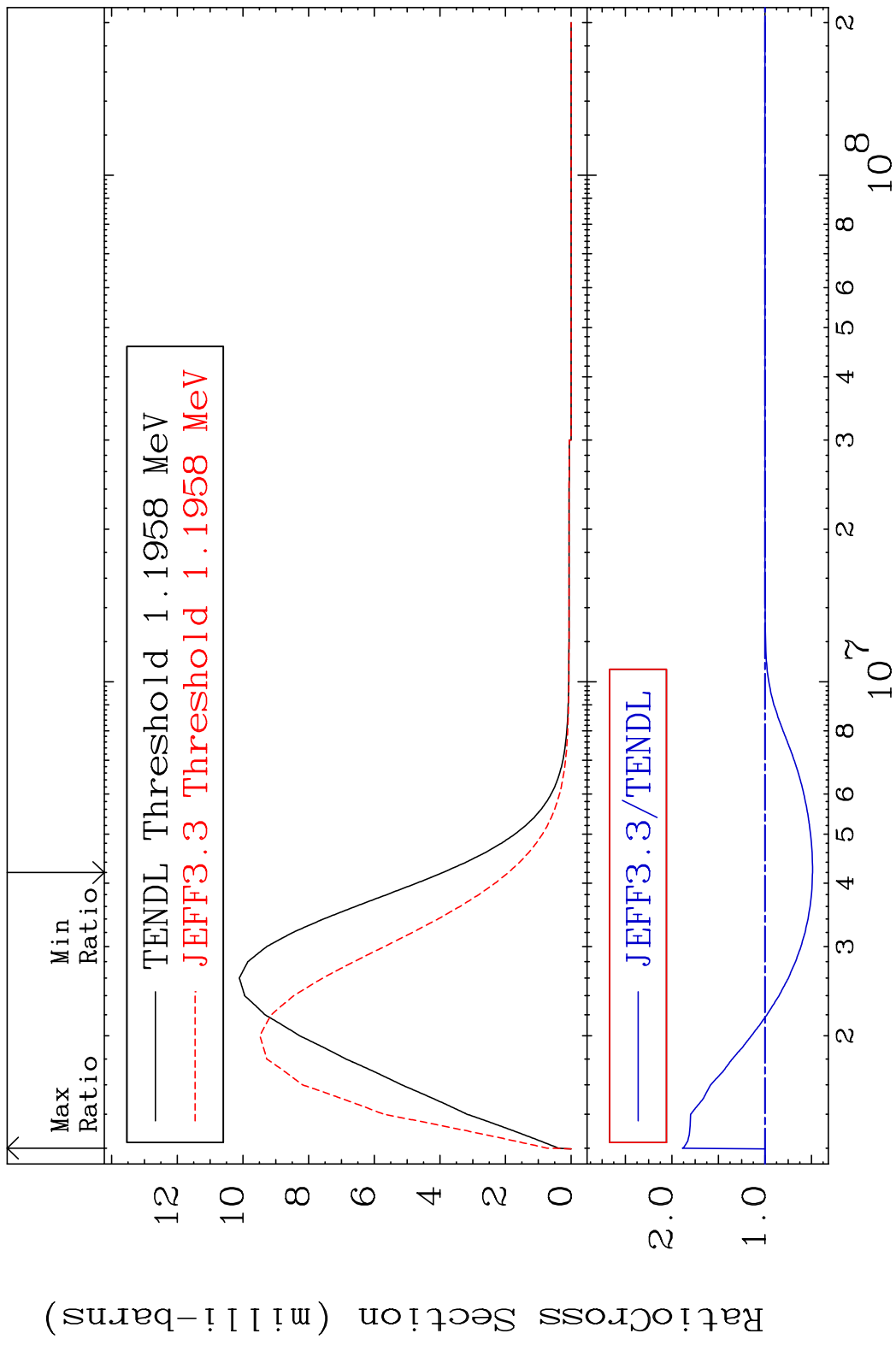
MAT 3525 MT= 73 (n, n') Level 35-Br-79
 Cross Section -78.91 To 17.40 %



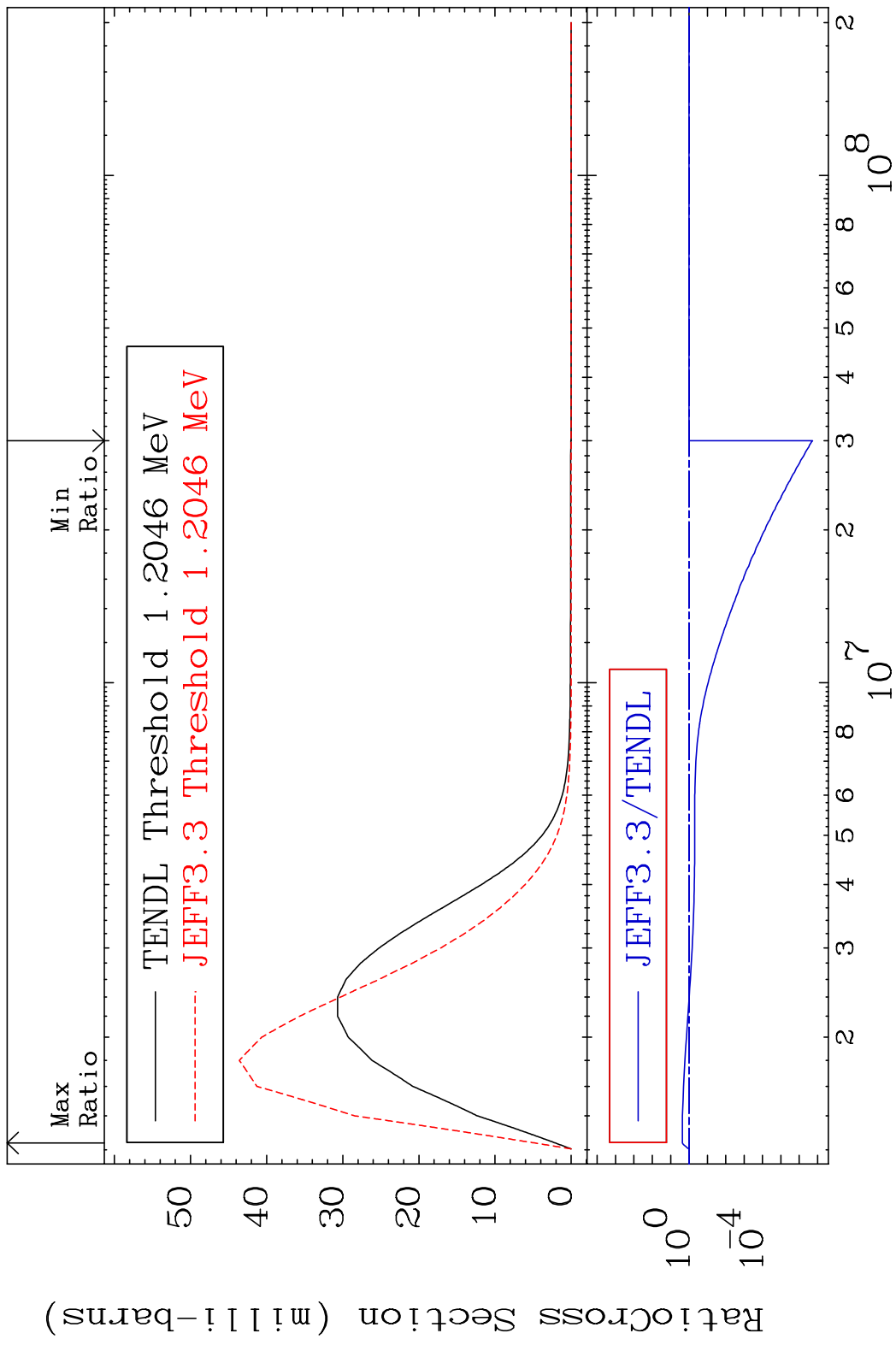
MAT 3525 MT= 74 (n,n') Level 35-Br-79
 Cross Section -49.56 To 106.5 %



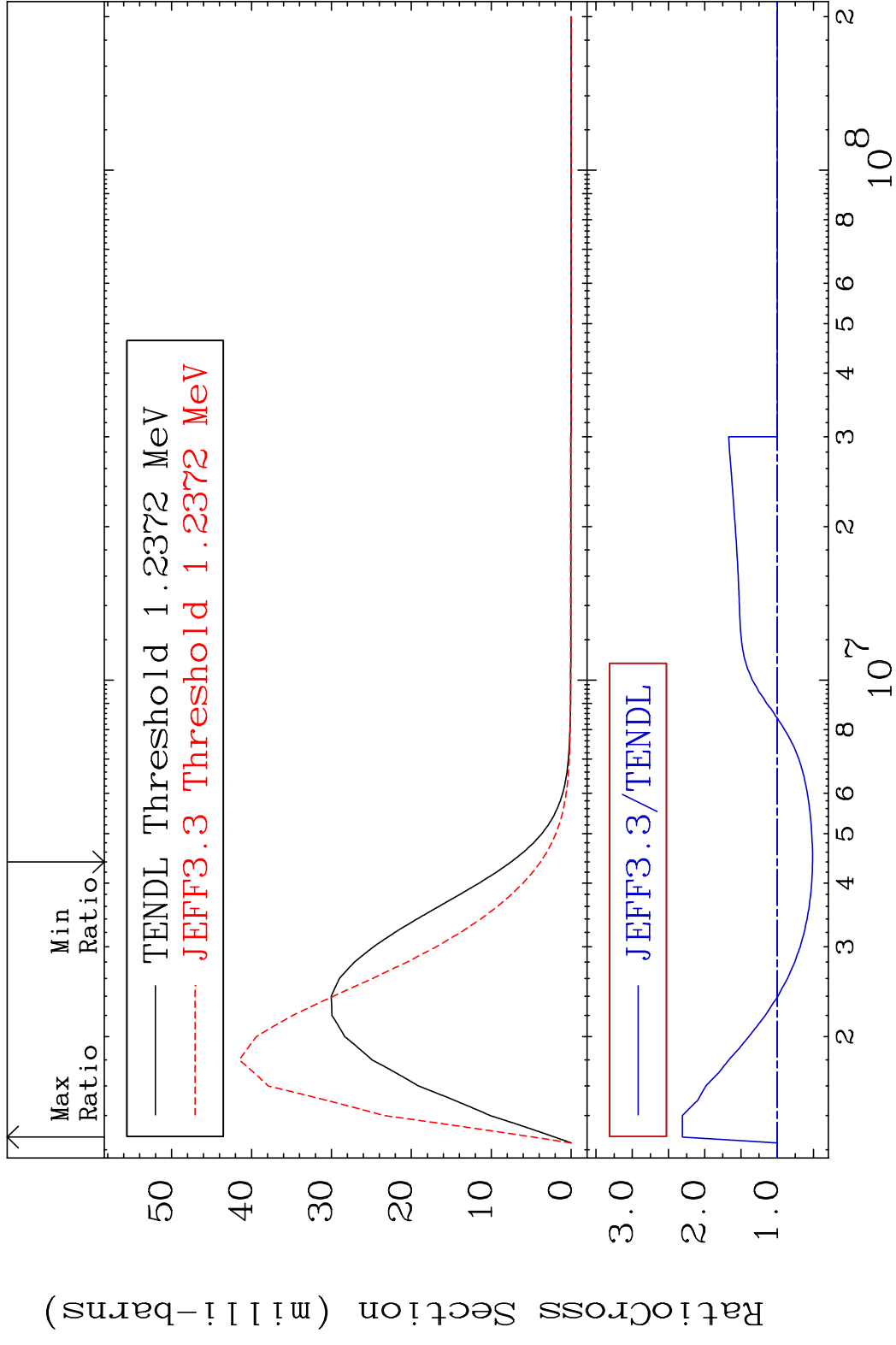
MAT 3525 MT= 75 (n, n') Level 35-Br-79
 Cross Section -51.08 To 88.78 %



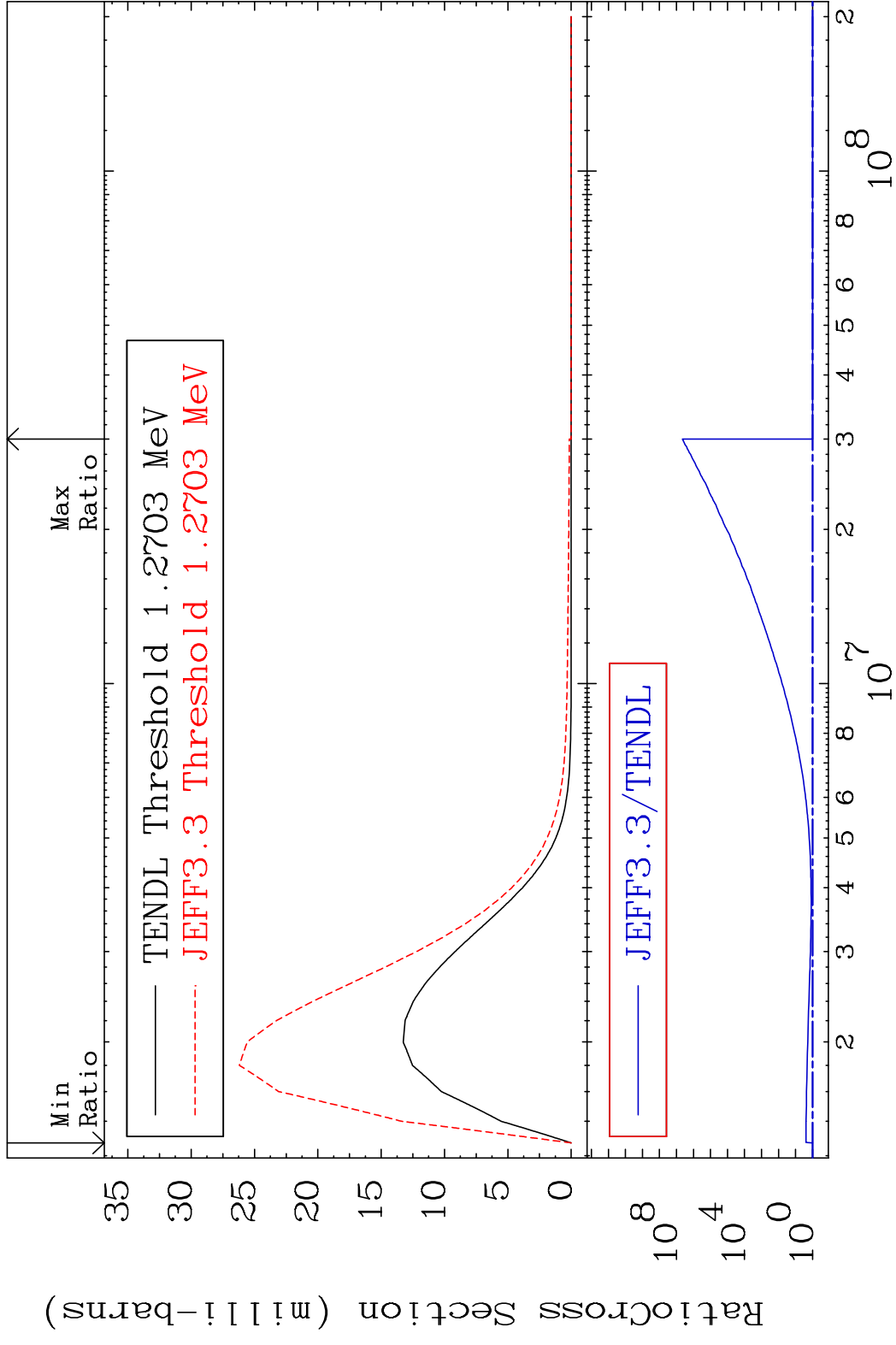
MAT 3525 MT= 76 (n, n') Level 35-Br-79
 Cross Section -100.0 To 130.7 %



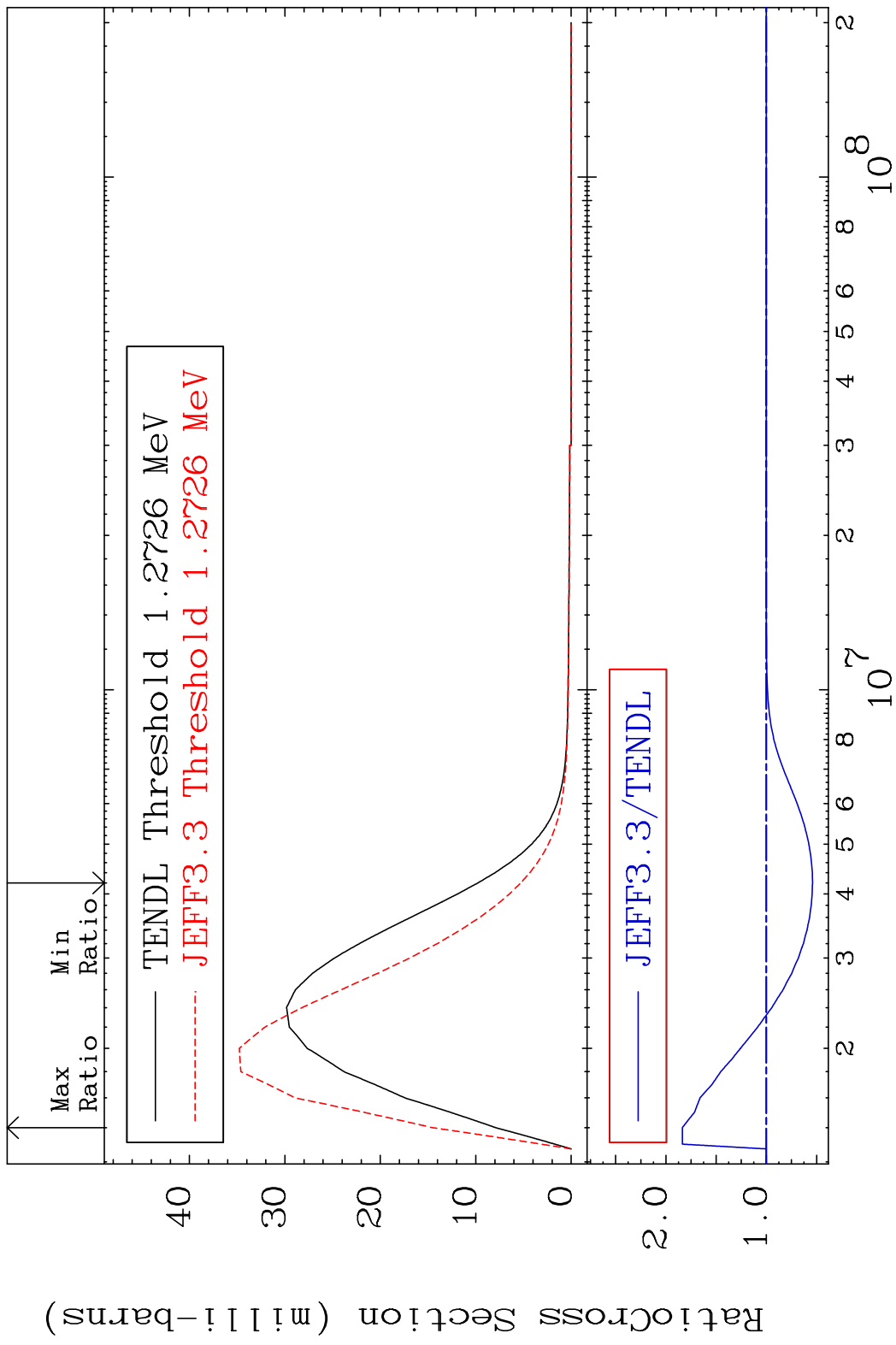
MAT 3525 MT= 77 (n, n') Level 35-Br-79
 Cross Section -48.82 To 130.9 %



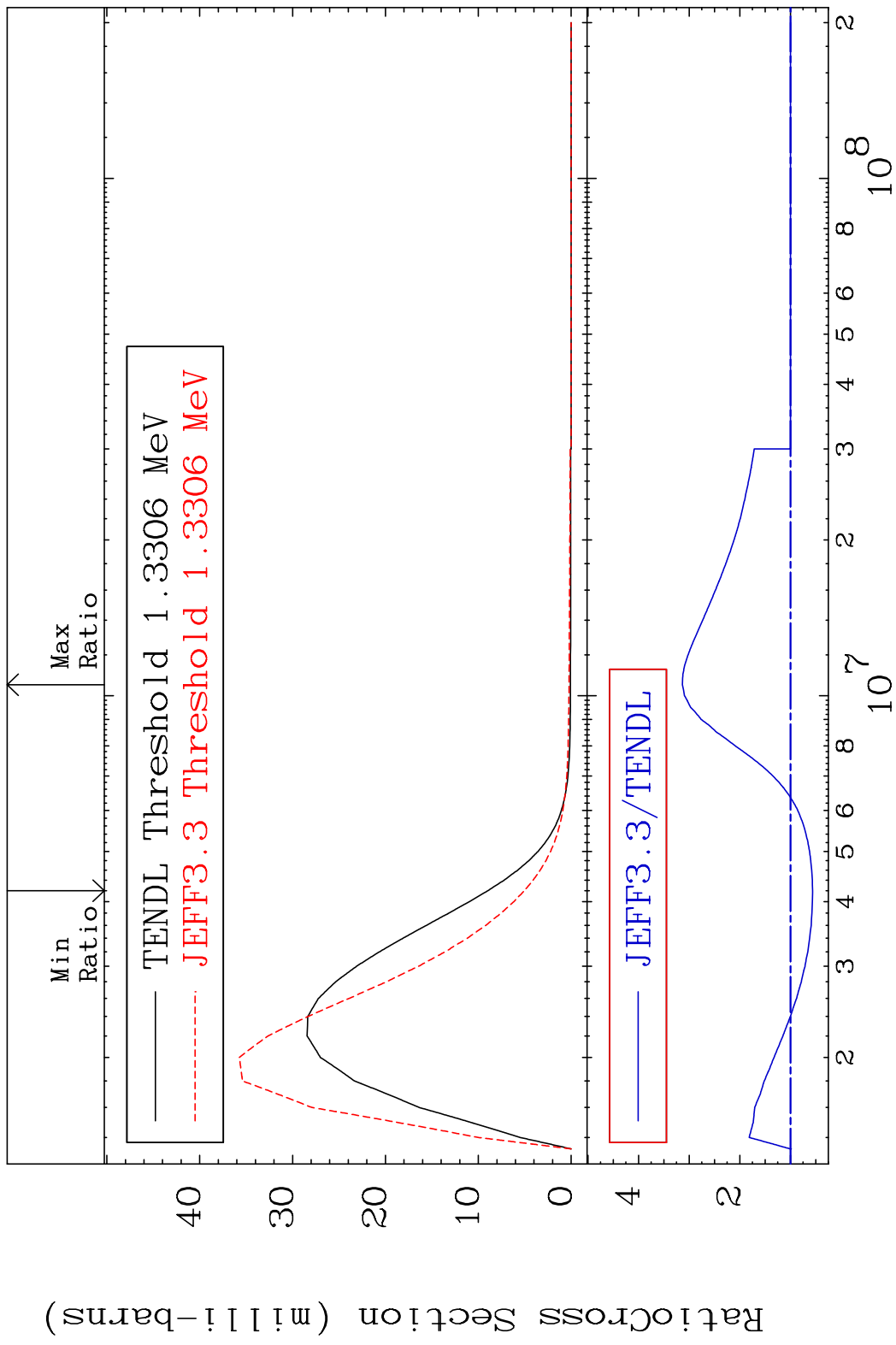
MAT 3525 MT= 78 (n, n') Level 35-Br-79
 Cross Section 0.000 To 9999. %



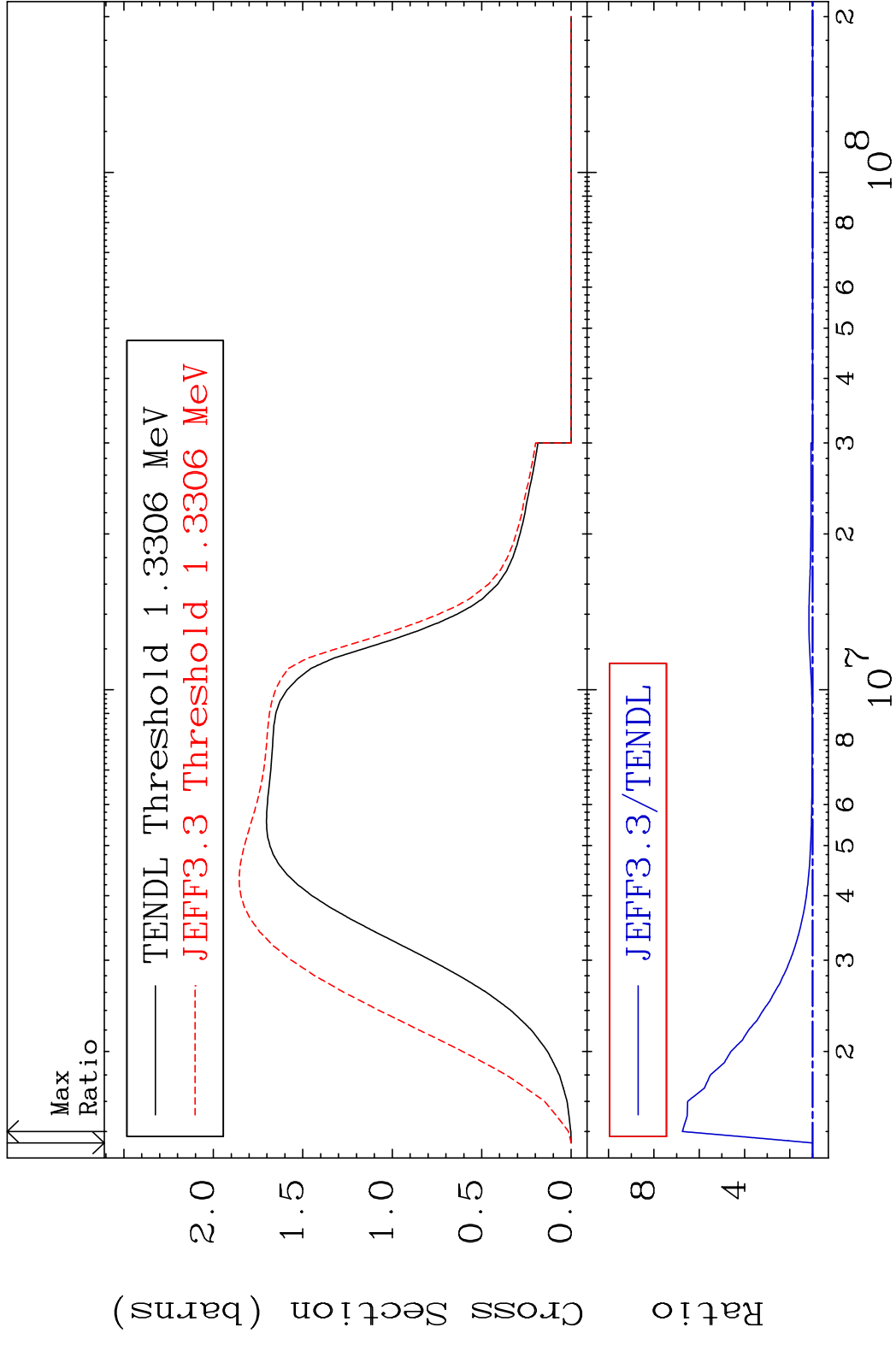
MAT 3525 MT= 79 (n, n') Level 35-Br-79
 Cross Section -45.97 To 83.62 %



MAT 3525 MT= 80 (n, n') Level 35-Br-79
 Cross Section -43.82 To 213.5 %



MAT 3525 (n, n') Continuum 35-Br-79
 Cross Section 0.000 To 574.5 %

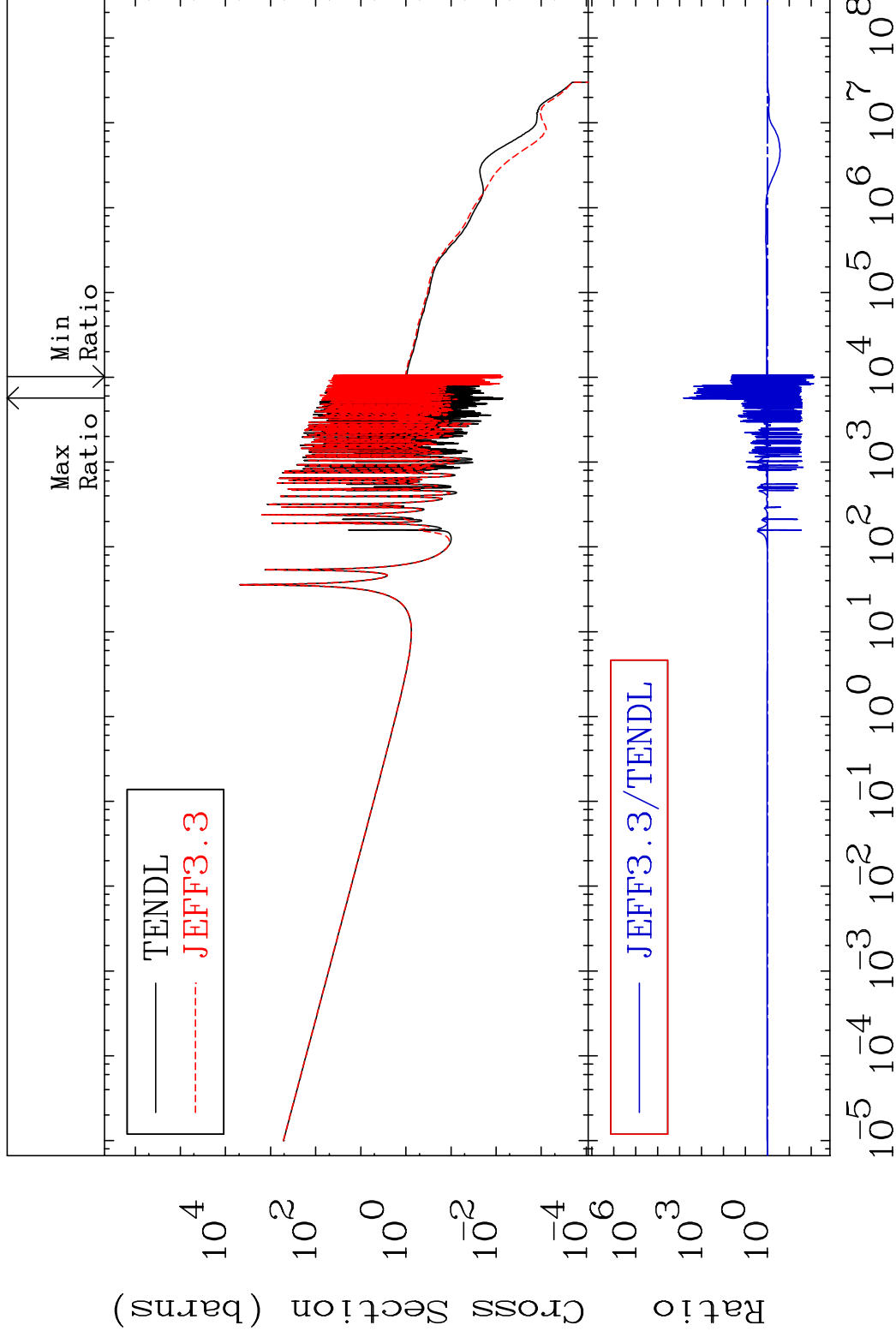


MAT 3525

(n, γ)

35-Br-79

Cross Section -99.27 To 9999. %



50

Incident Energy (eV)

35-Br-79

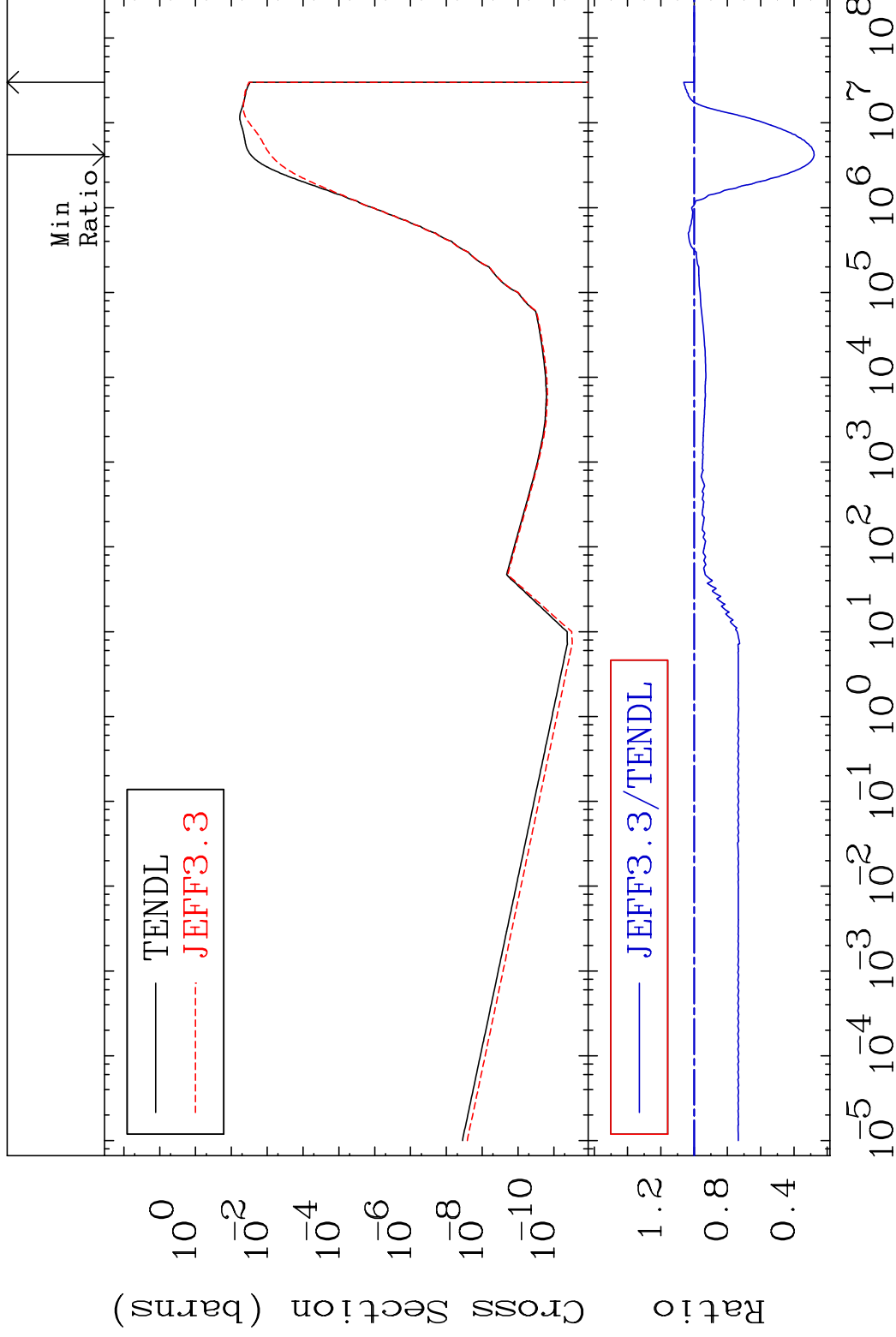
MAT 3525

(n, p)

35-Br-79

Cross Section

-72.09 To 6.295 %

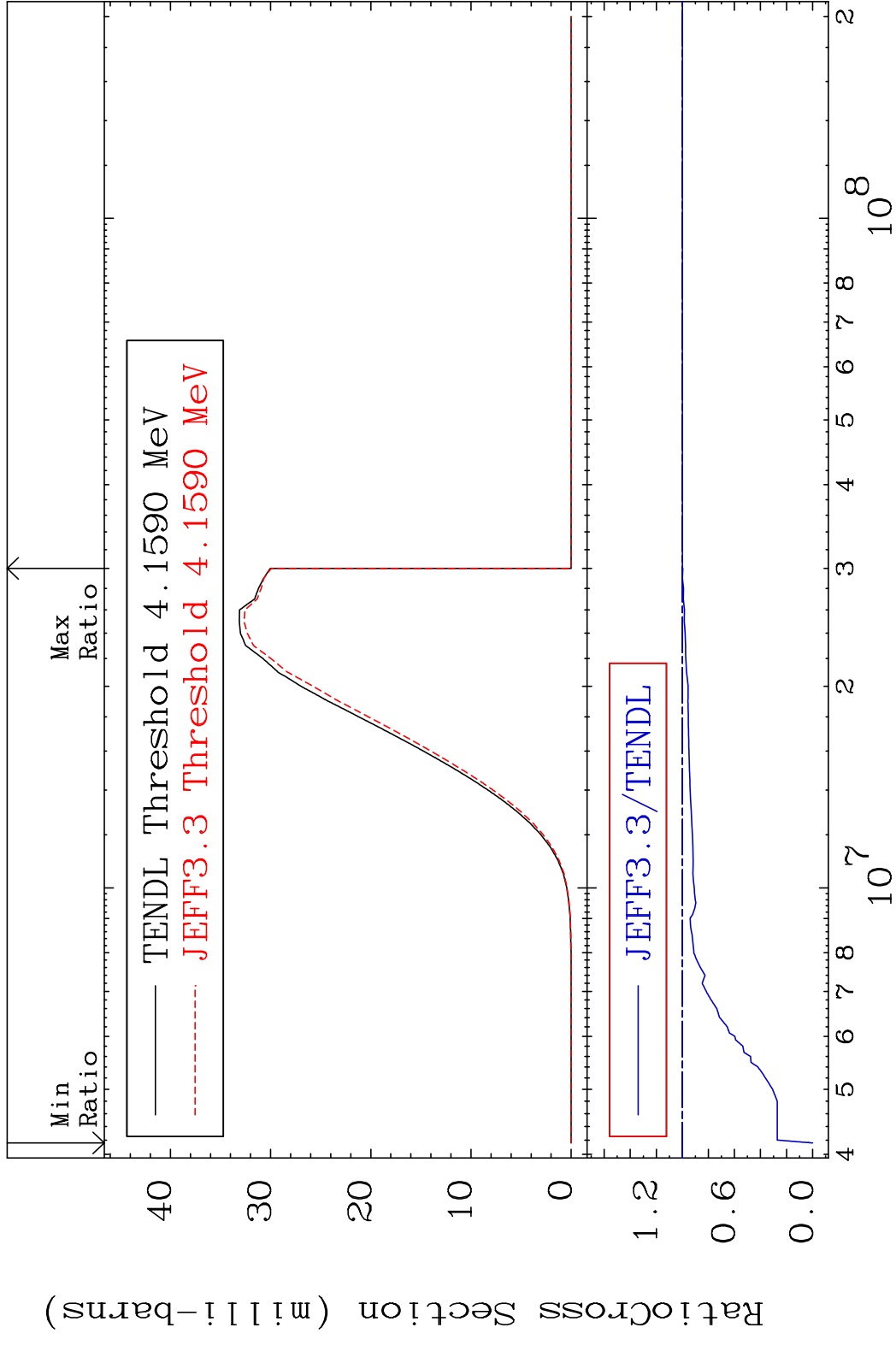


51

Incident Energy (eV)

35-Br-79

MAT 3525 (n, d) 35-Br-79
 Cross Section -100.0 To 0.000 %

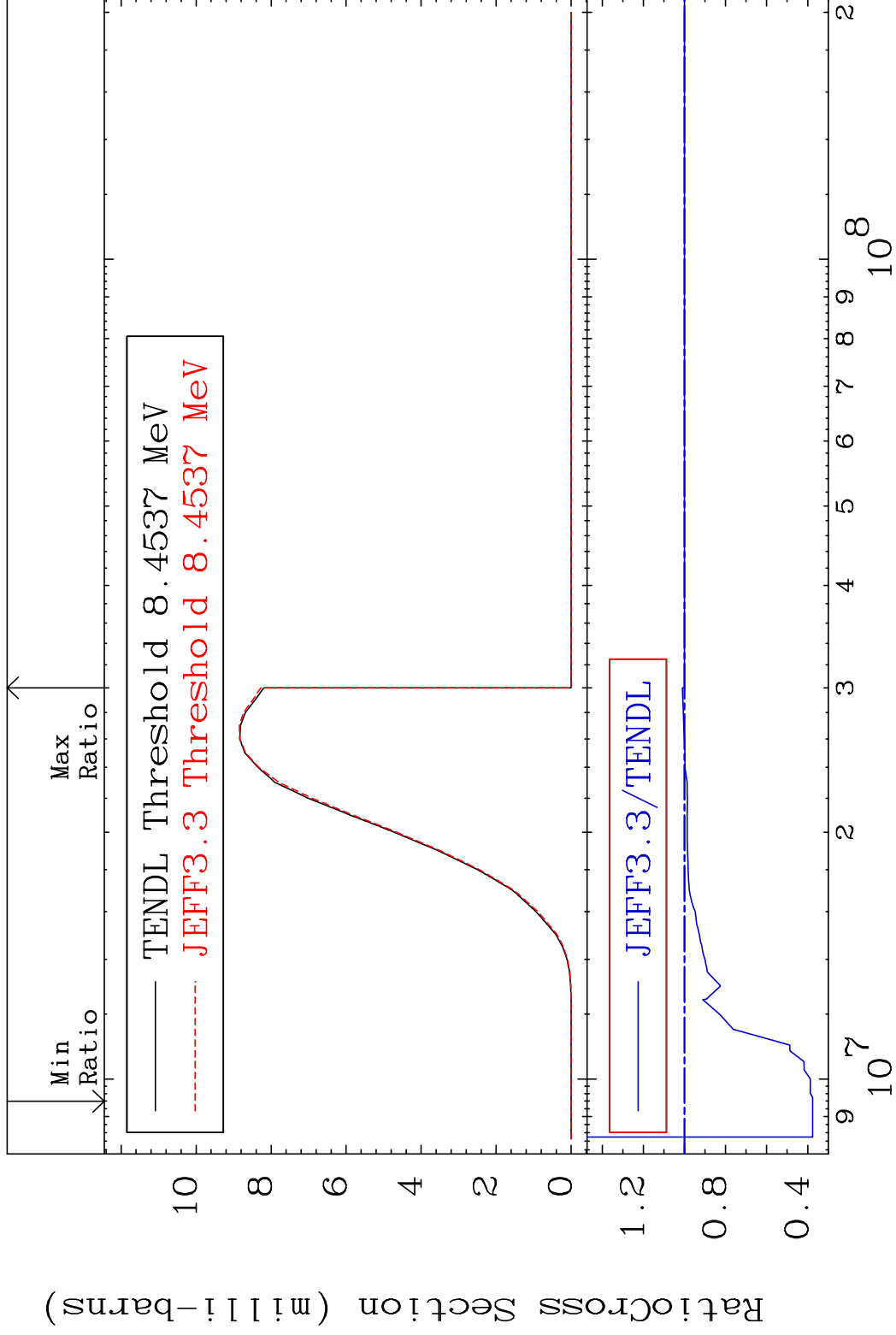


MAT 3525

(n, t)

35-Br-79

Cross Section -62.35 To 1.011 %



53

Incident Energy (eV)

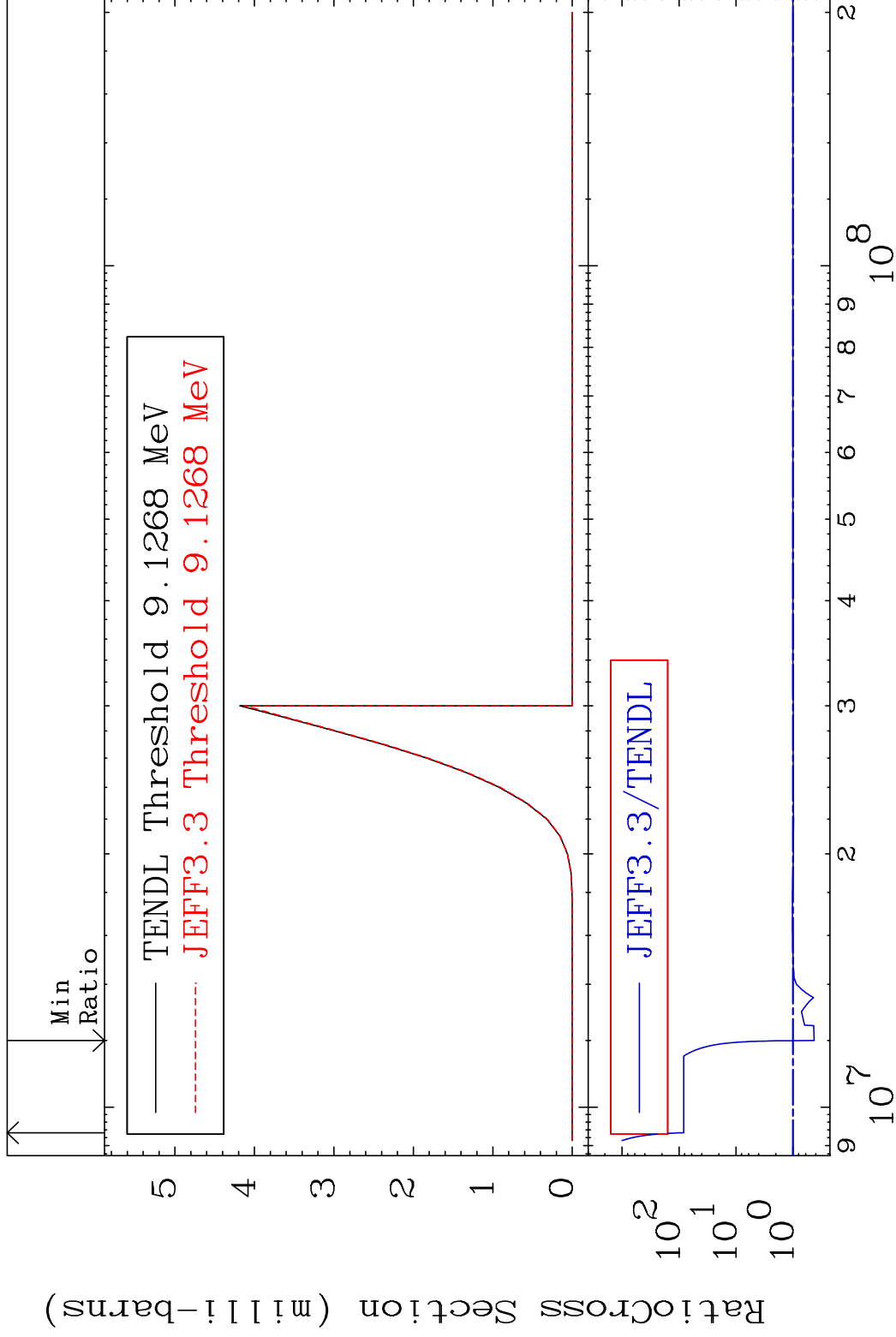
35-Br-79

MAT 3525

(n, He-3)

35-Br-79

Cross Section -57.39 To 8203. %



54

Incident Energy (eV)

35-Br-79

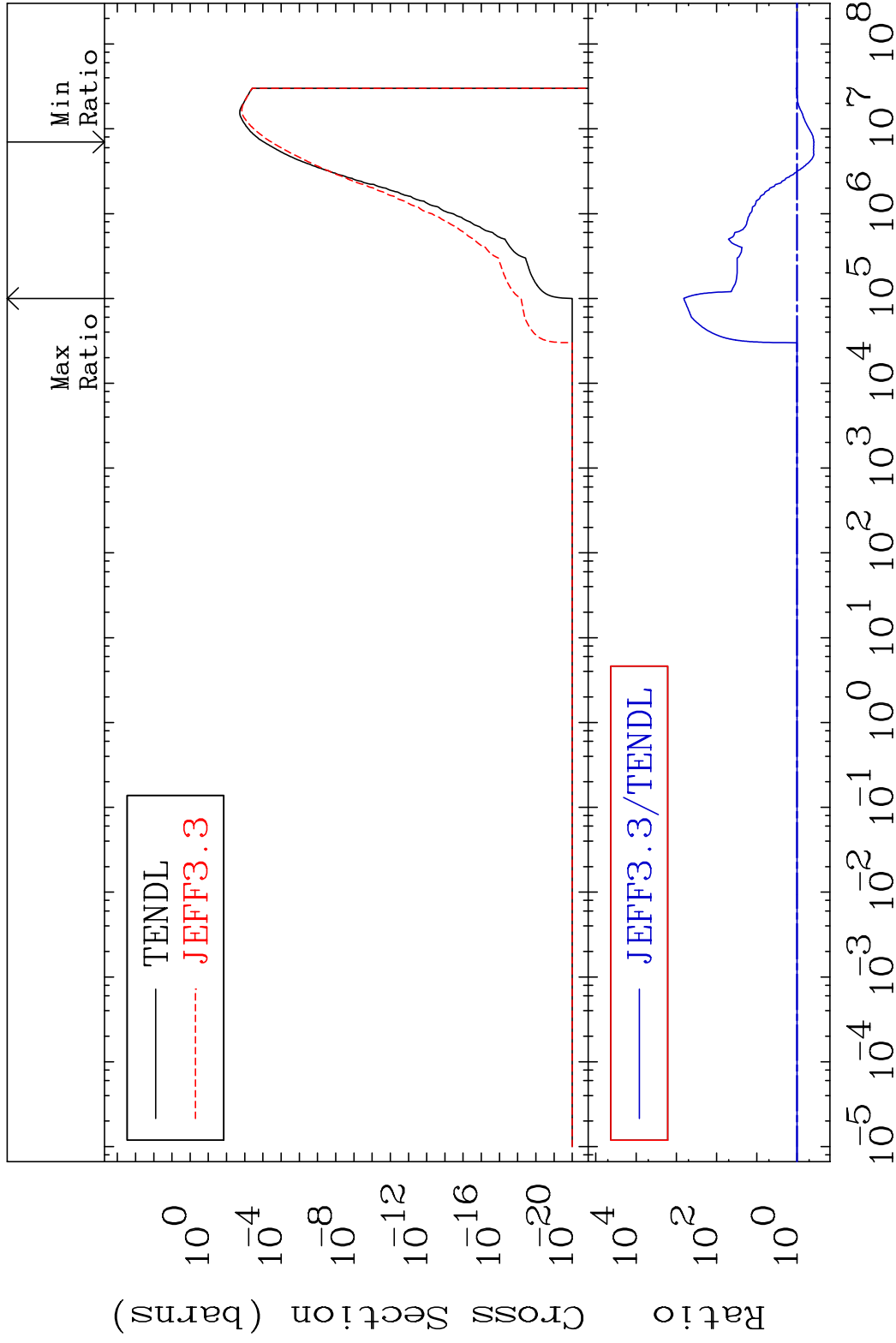
MAT 3525

(n, α)

35-Br-79

Cross Section

-62.47 To 9999. %

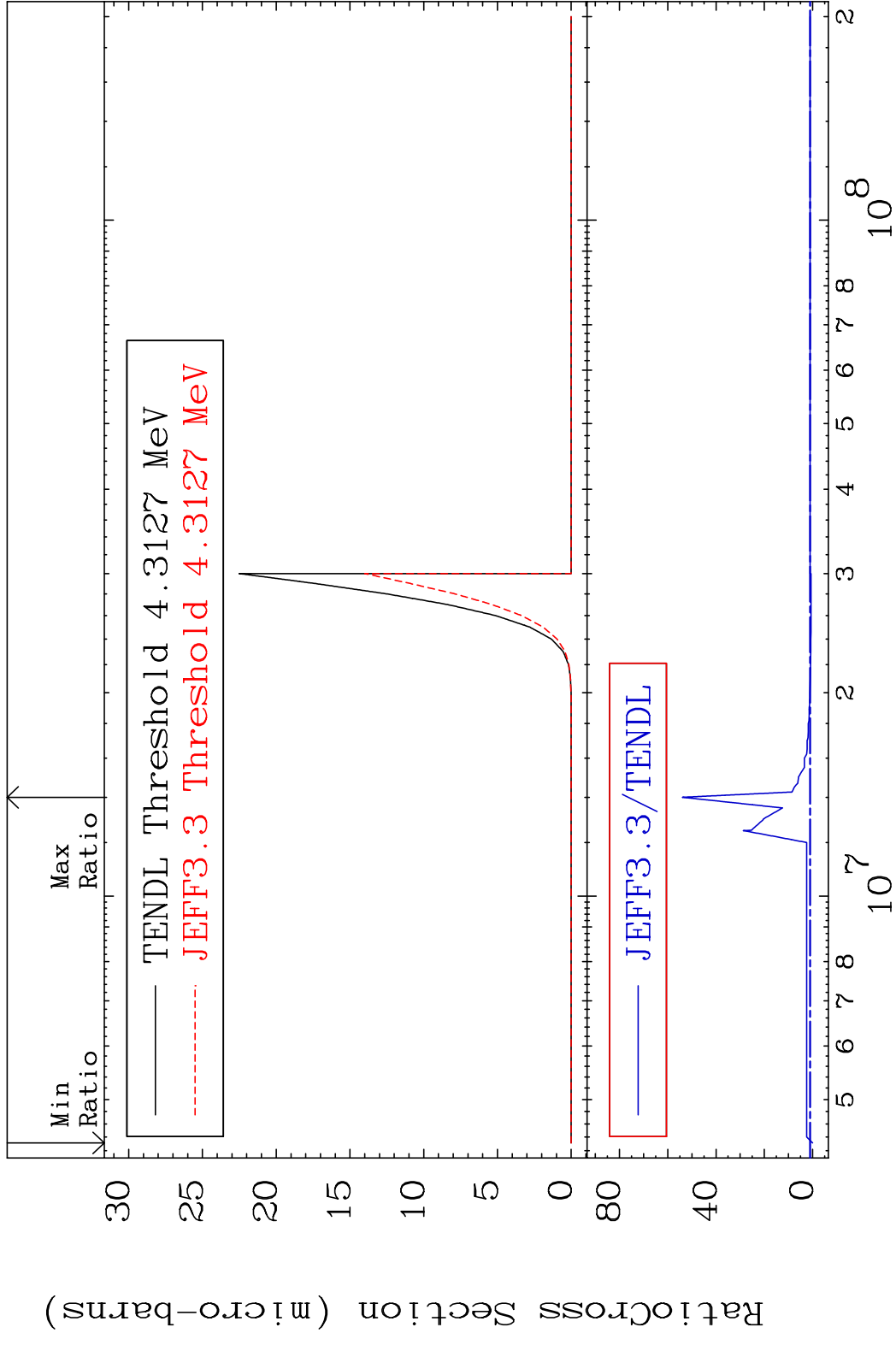


55

Incident Energy (eV)

35-Br-79

MAT 3525 (n,2α) 35-Br-79
 Cross Section -100.0 To 5296. %

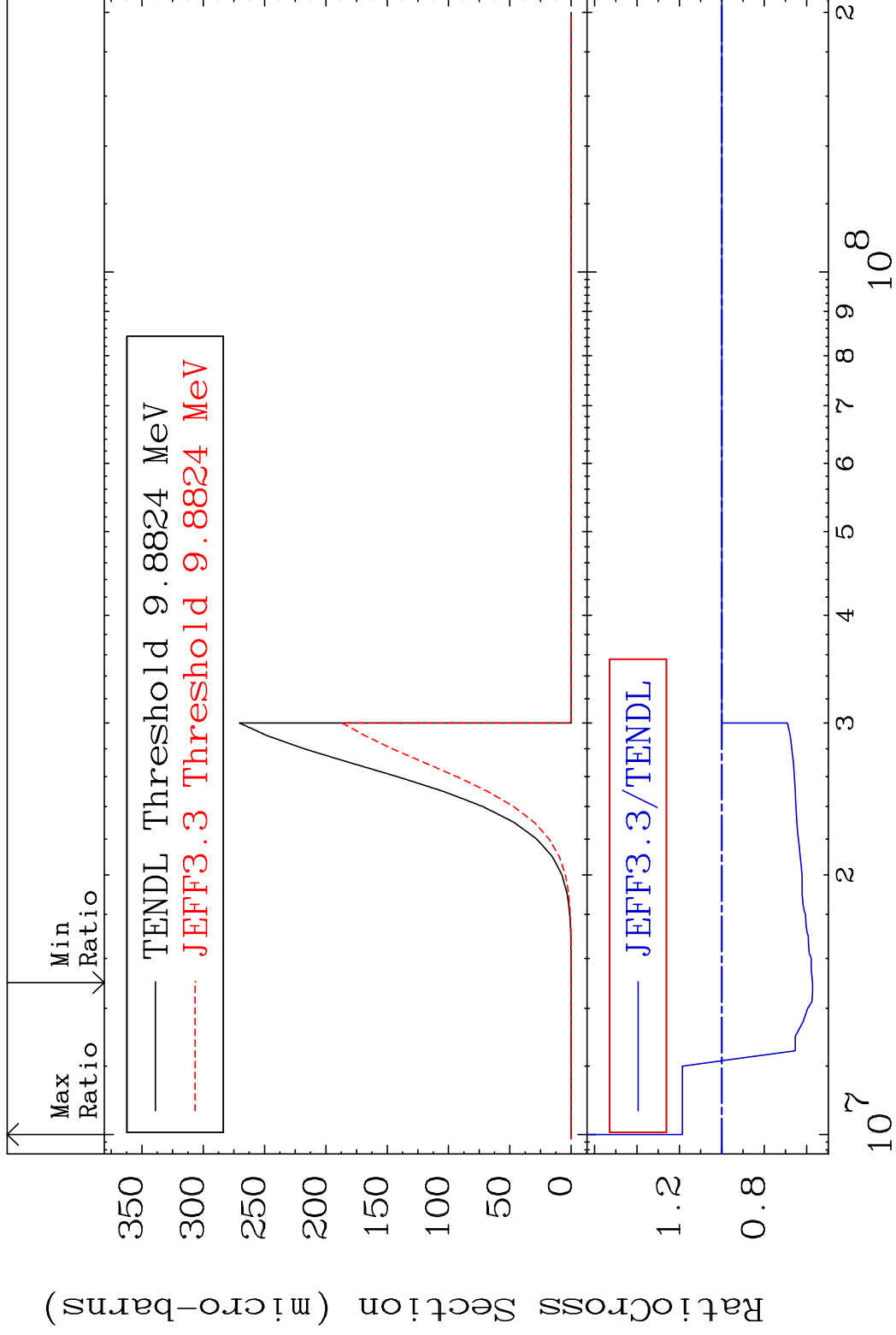


MAT 3525

(n,2p)

35-Br-79

Cross Section -42.77 To 18.64 %

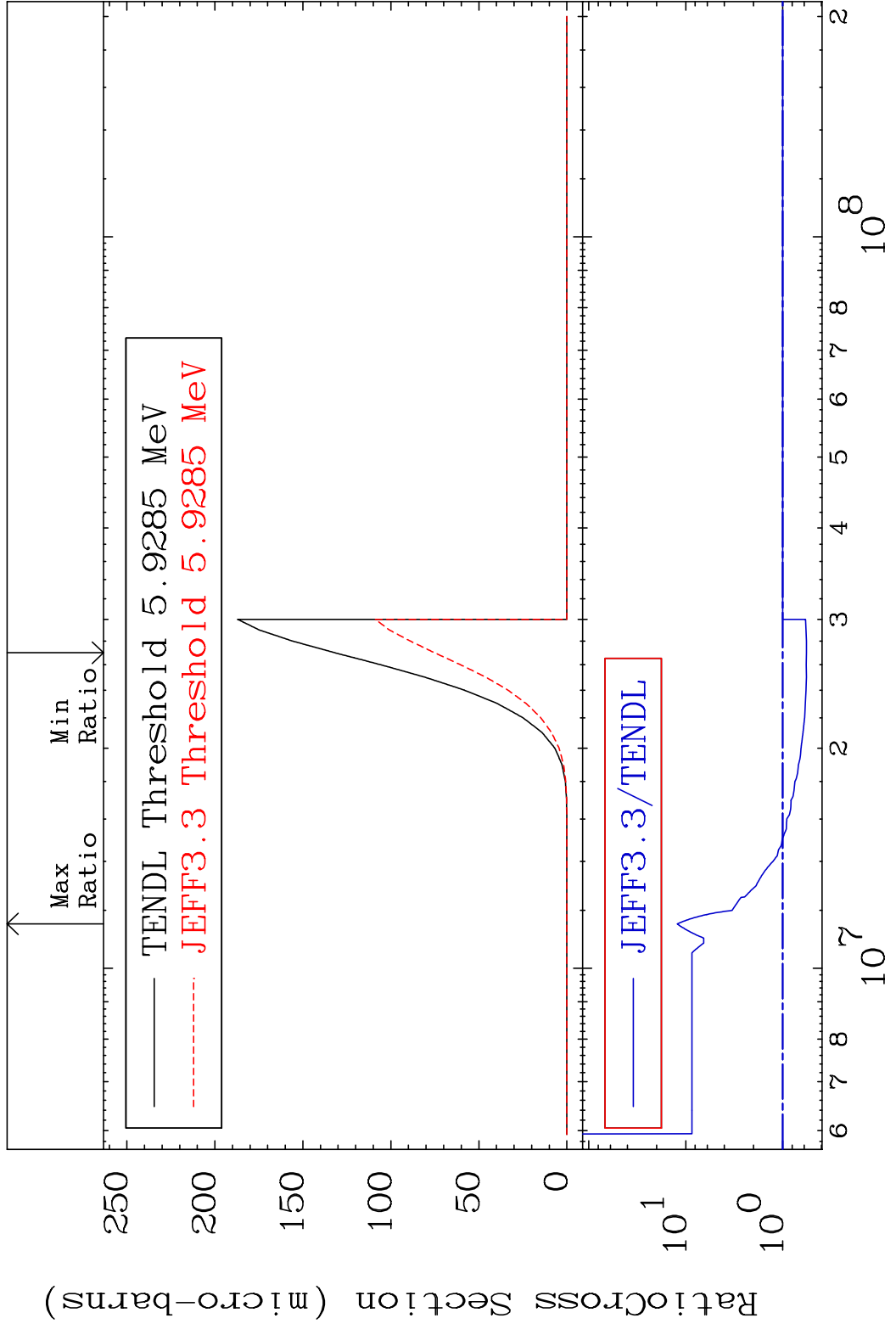


57

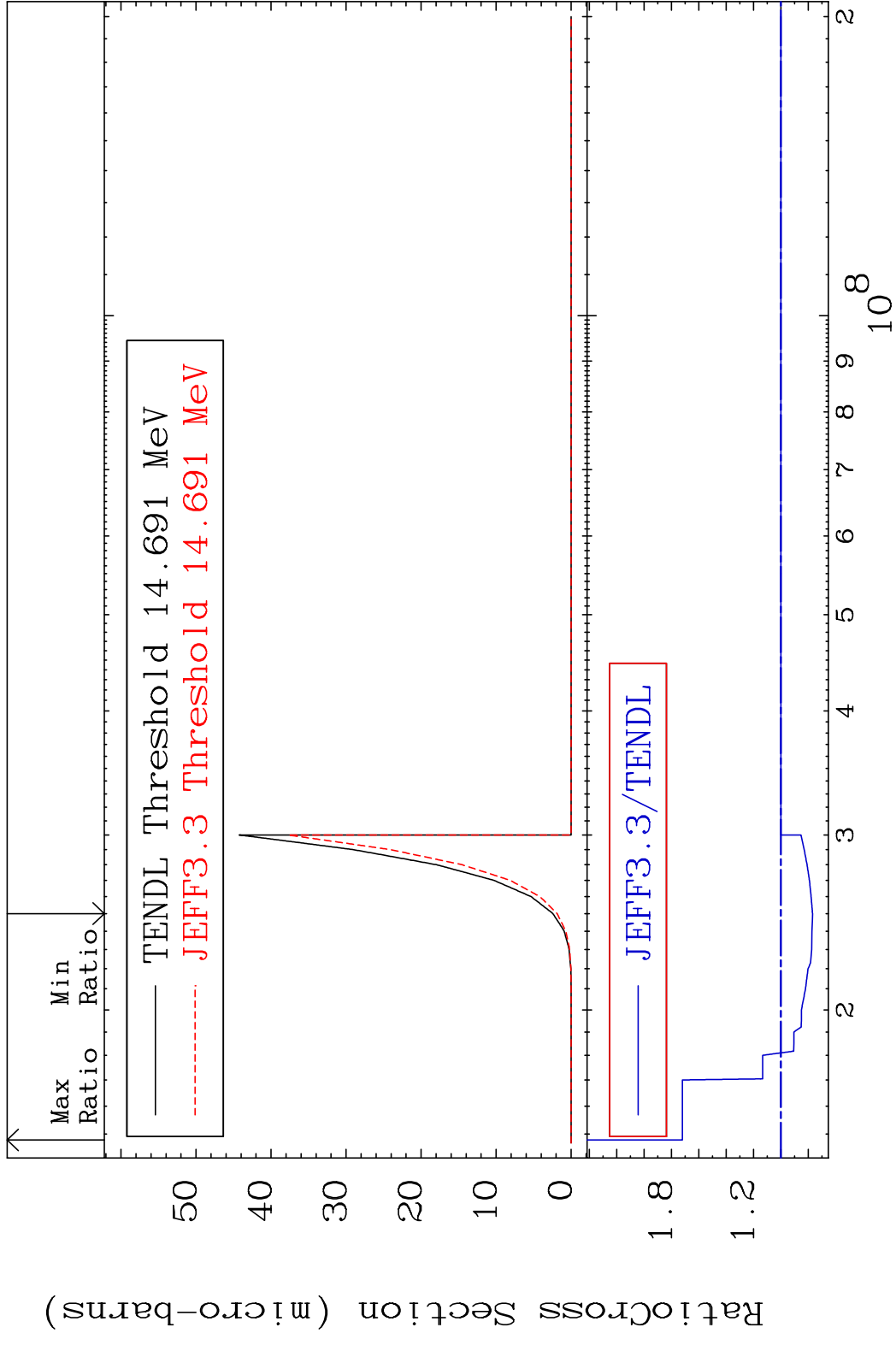
Incident Energy (eV)

35-Br-79

MAT 3525 (n,p) α 35-Br-79
 Cross Section -42.96 To 1127. %



MAT 3525 (n,p) d 35-Br-79
 Cross Section -23.11 To 72.00 %

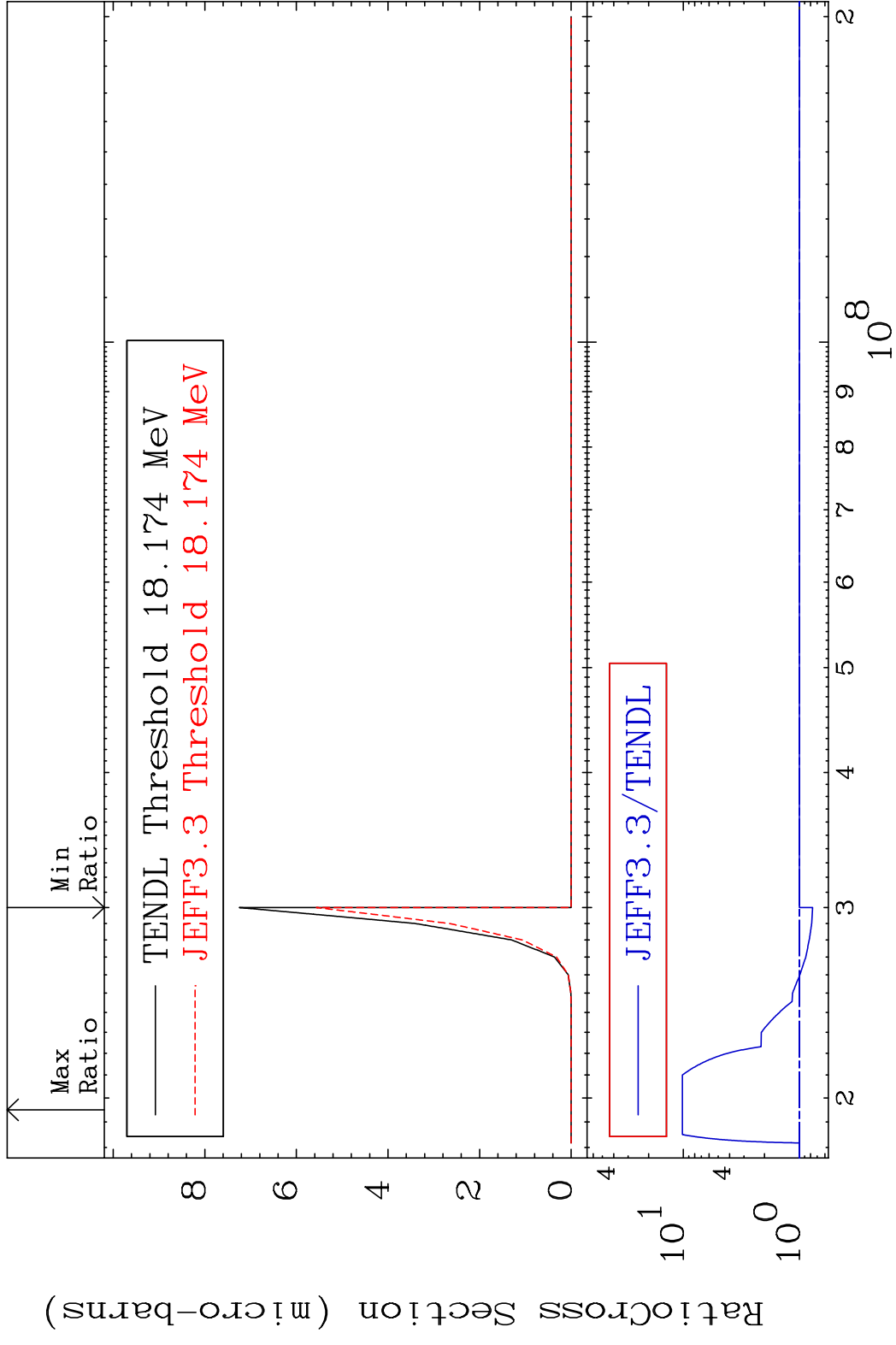


MAT 3525

(n,p) t

35-Br-79

Cross Section -23.20 To 921.2 %

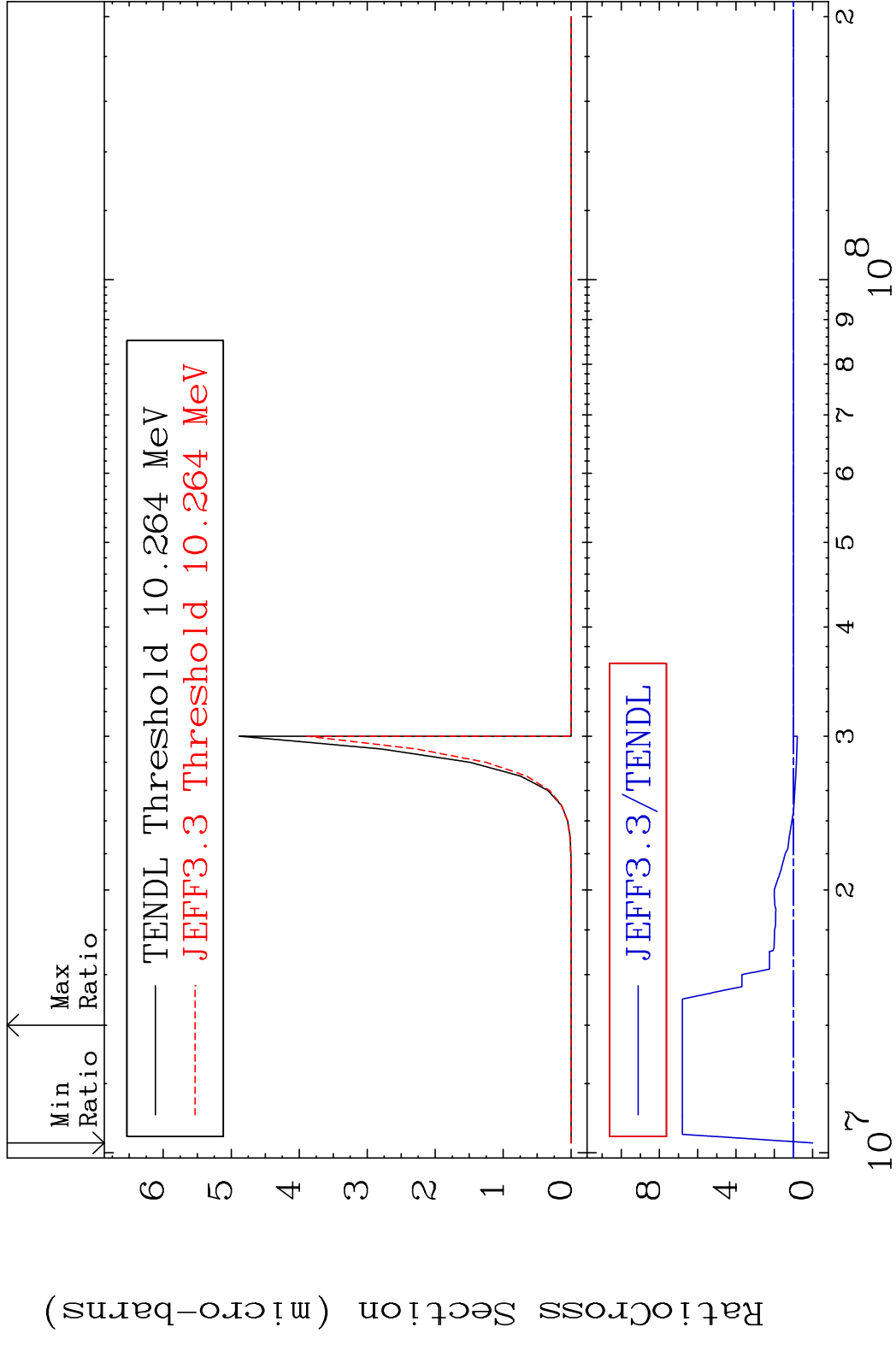


60

Incident Energy (eV)

35-Br-79

MAT 3525 (n,d) α 35-Br-79
 Cross Section -100.0 To 580.4 %

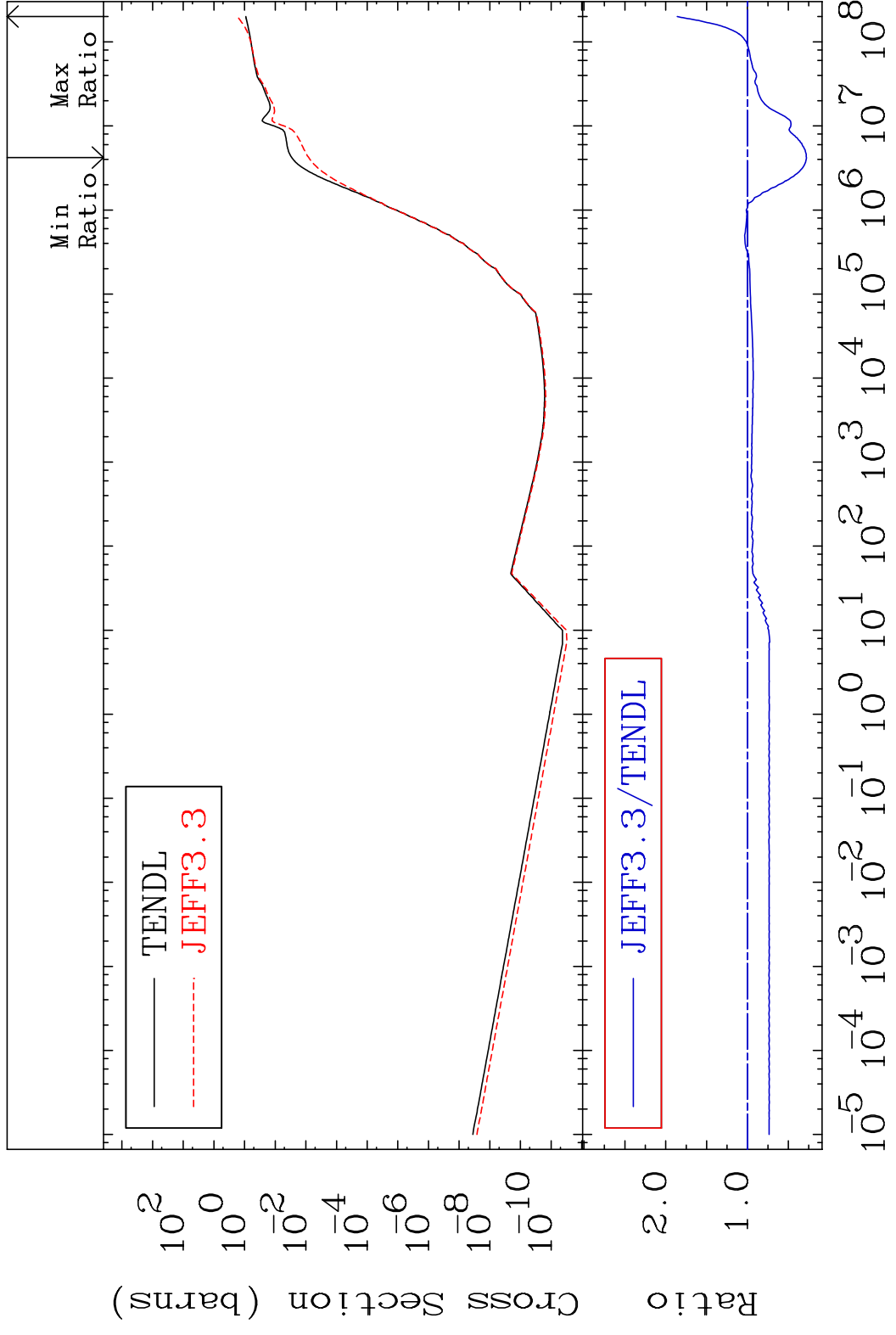


61 Incident Energy (eV) 35-Br-79

MAT 3525

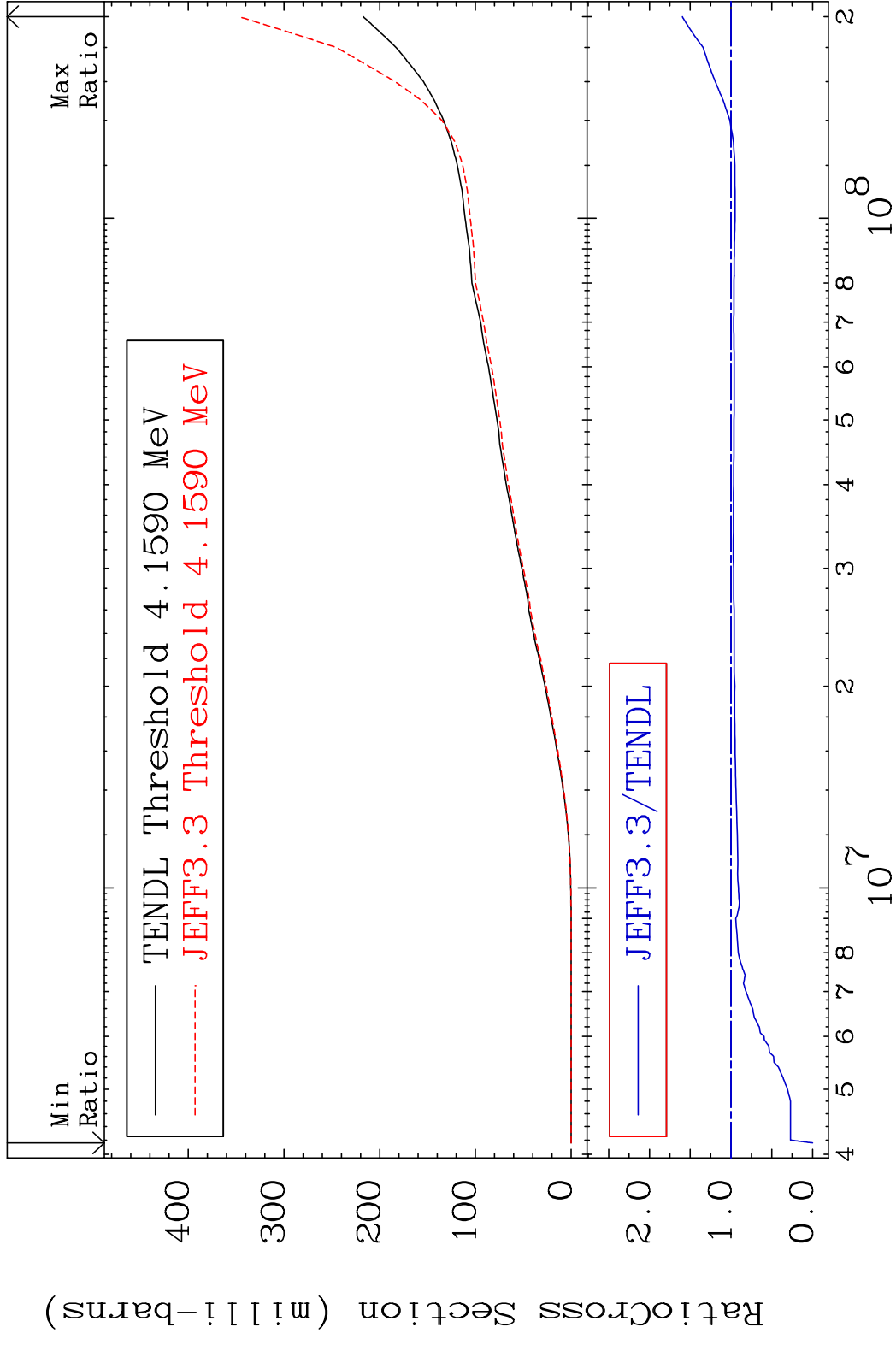
Hydrogen Production
Cross Section -72.09 To 86.00 %

35-Br-79



MAT 3525

Deuterium Production 35-Br-79
Cross Section -100.0 To 59.66 %



63

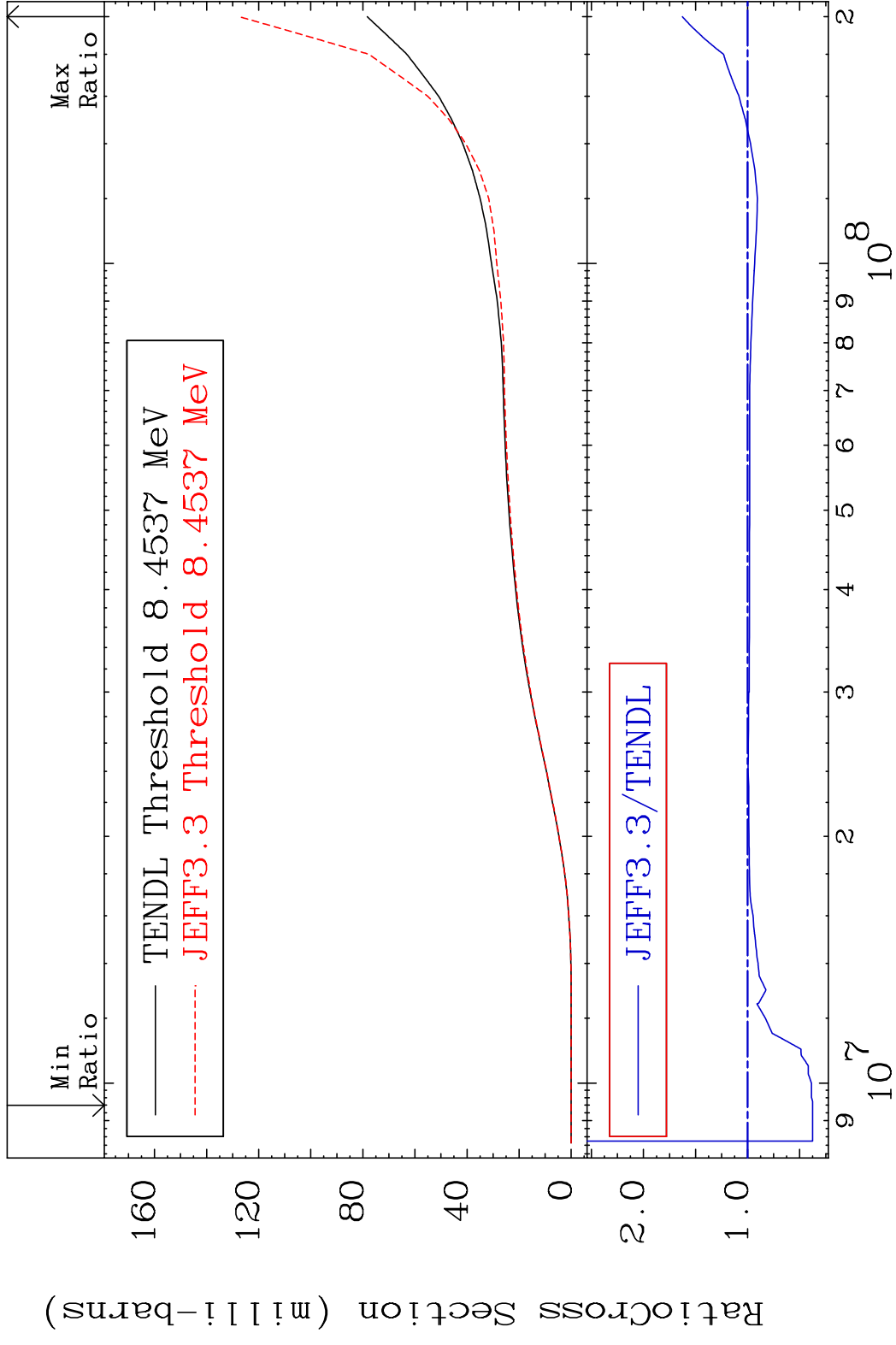
Incident Energy (eV) 35-Br-79

MAT 3525

Tritium Production

35-Br-79

Cross Section -62.35 To 62.69 %



64

Incident Energy (eV)

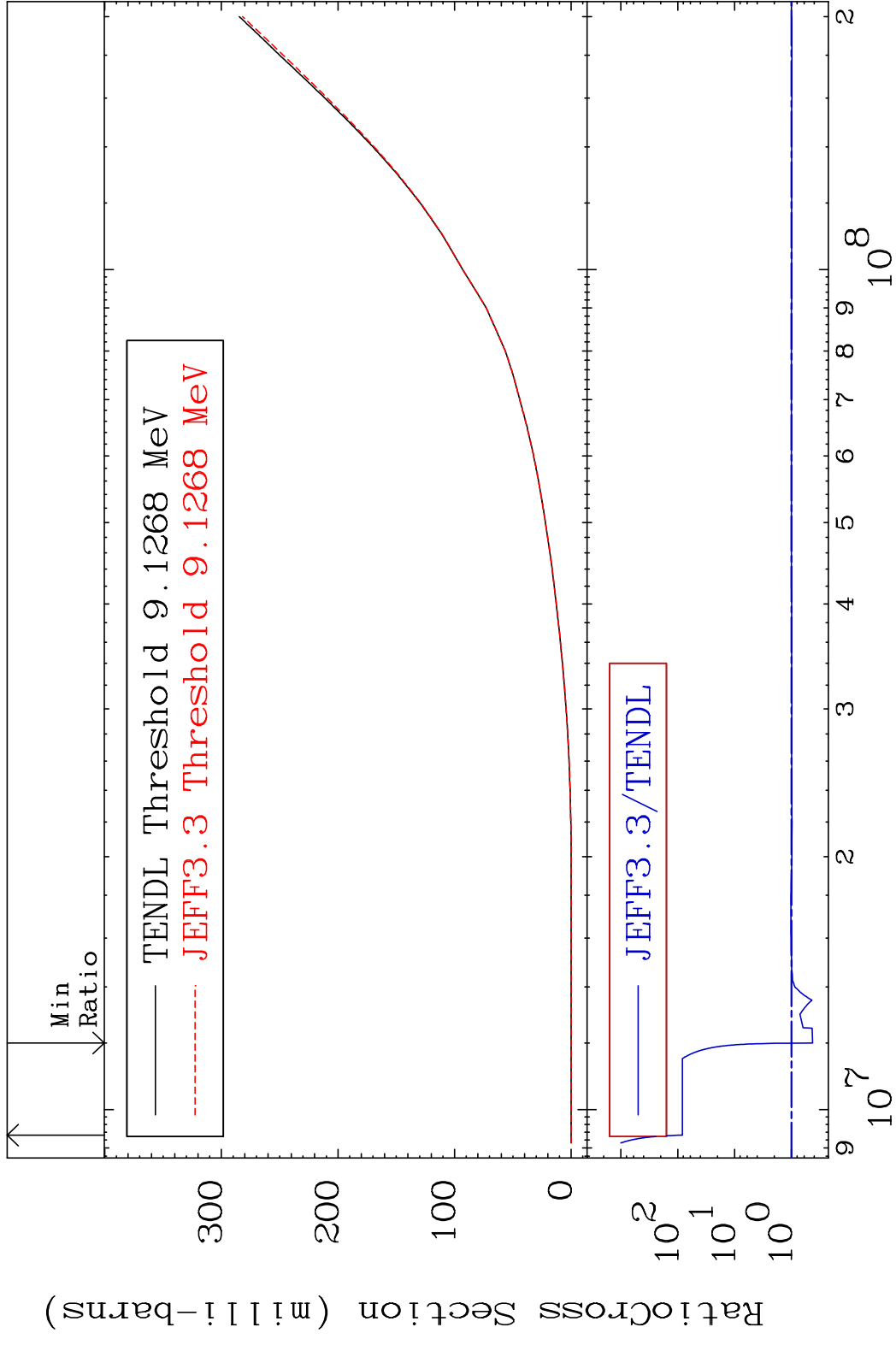
35-Br-79

MAT 3525

He-3 Production

35-Br-79

Cross Section -57.39 To 8203. %



65

Incident Energy (eV)

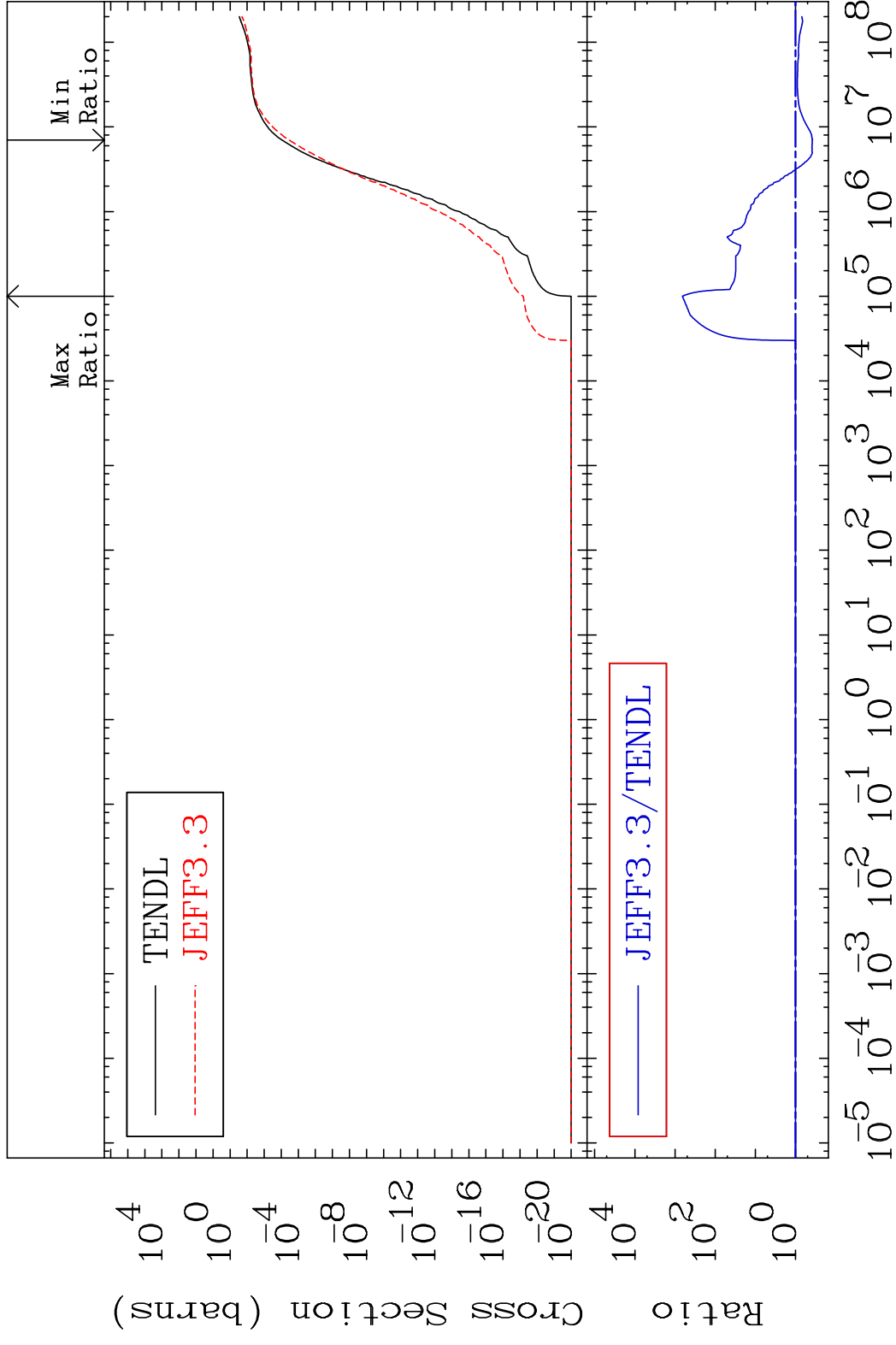
35-Br-79

MAT 3525

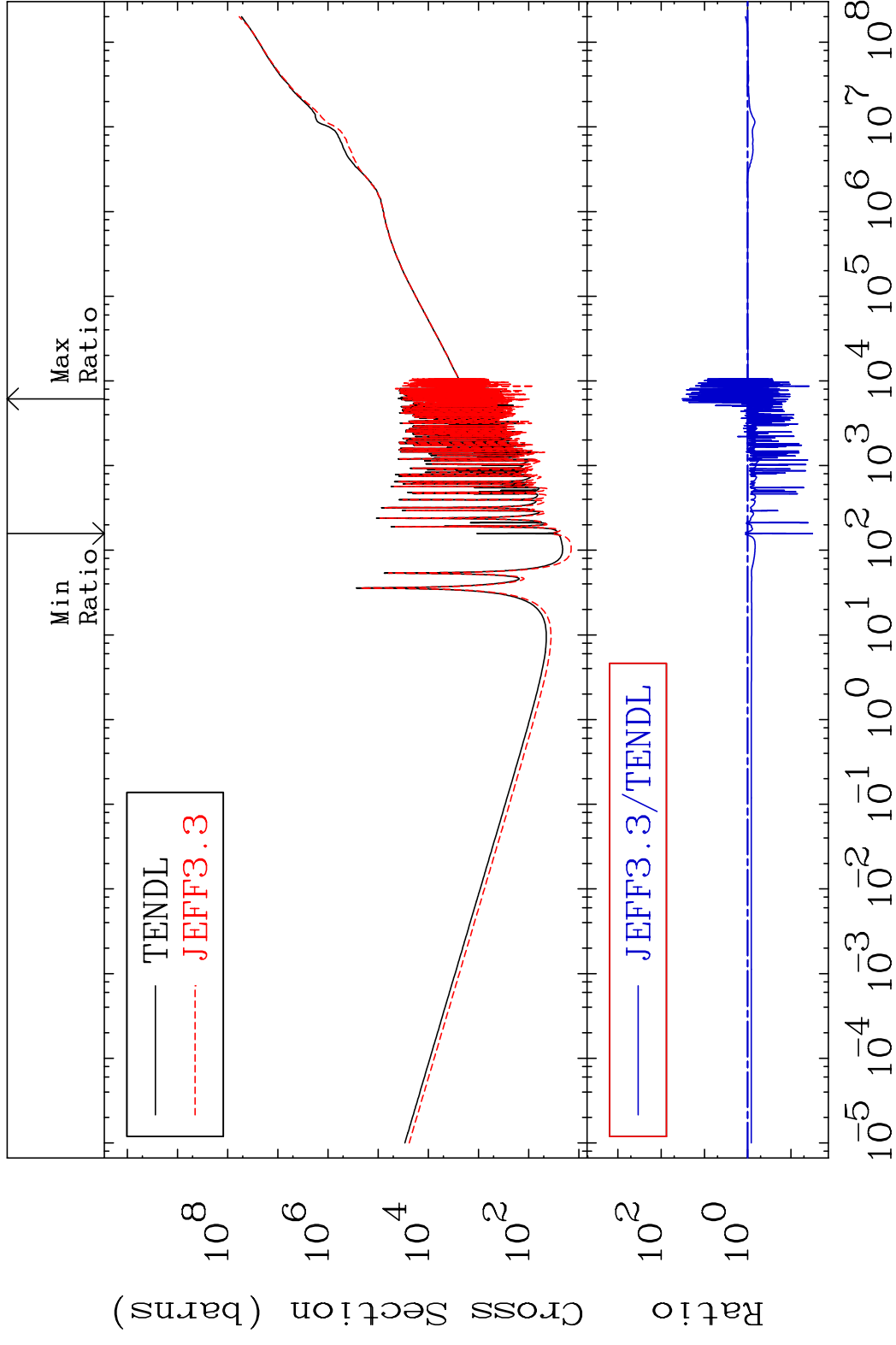
He-4 Production

35-Br-79

Cross Section -62.47 To 9999. %



MAT 3525 Kerma total (eV-barns) 35-Br-79
 Cross Section -96.85 To 3136. %



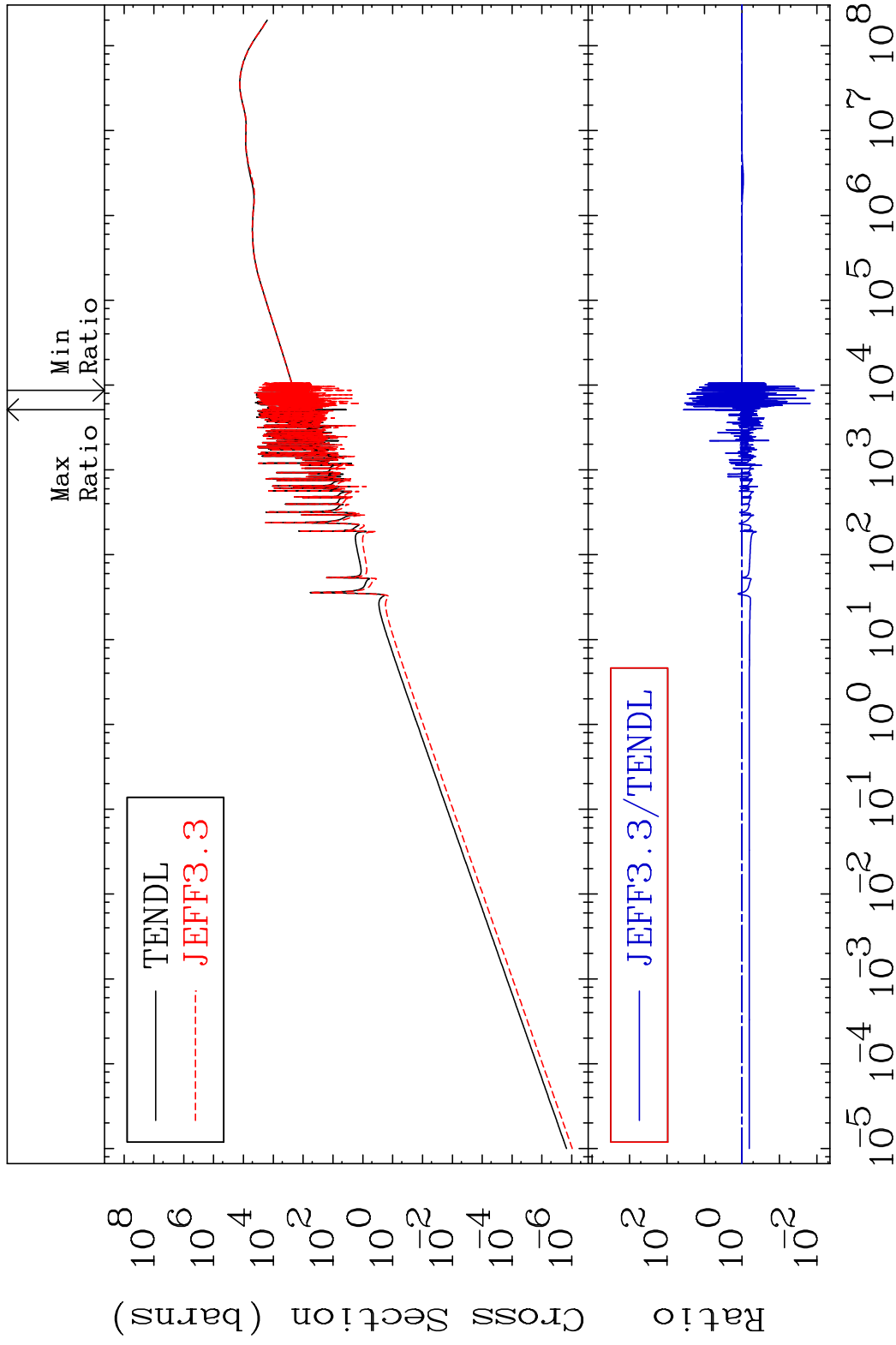
MAT 3525

Kerma elastic

35-Br-79

Cross Section

-98.81 To 3494. %

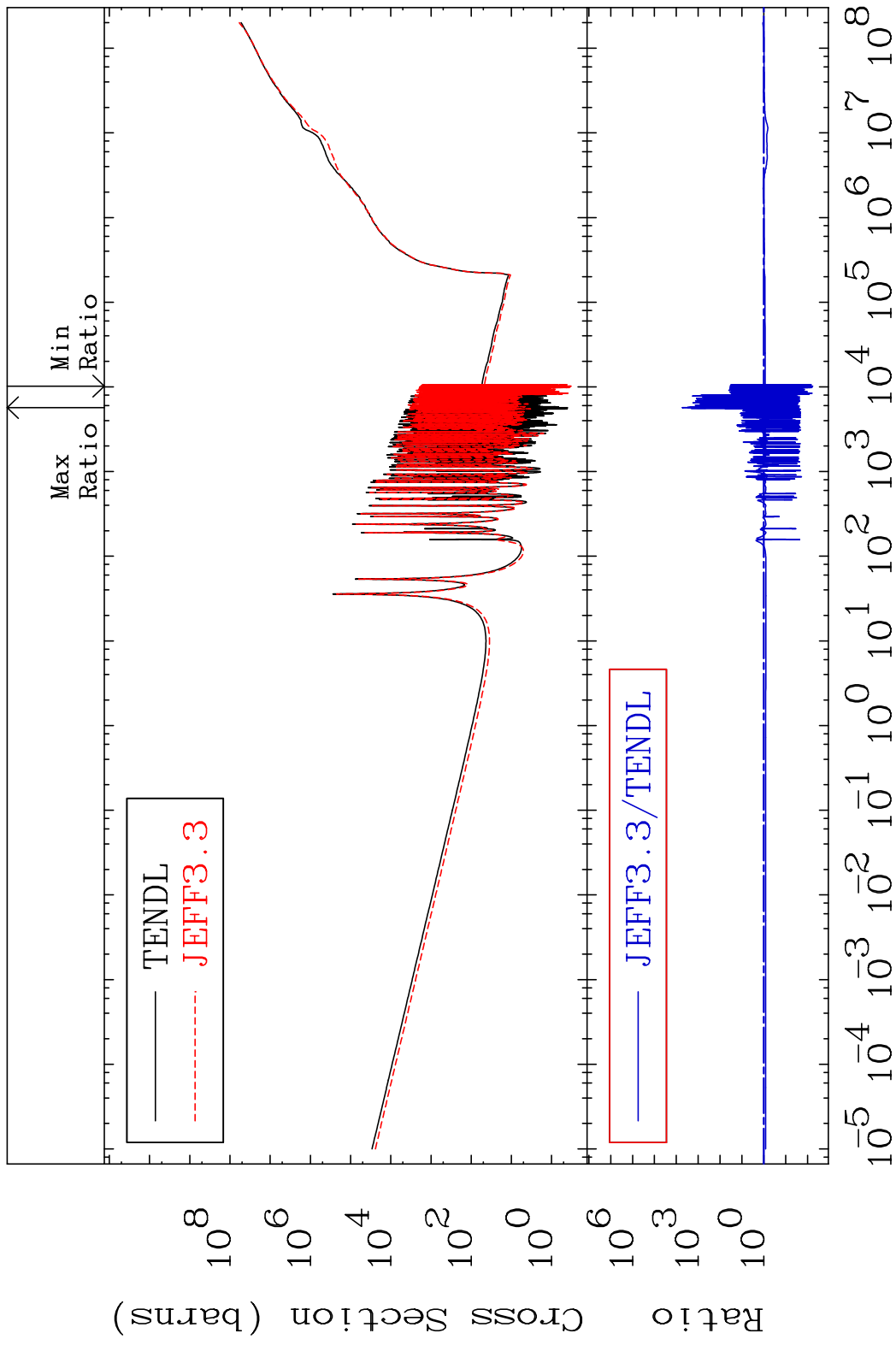


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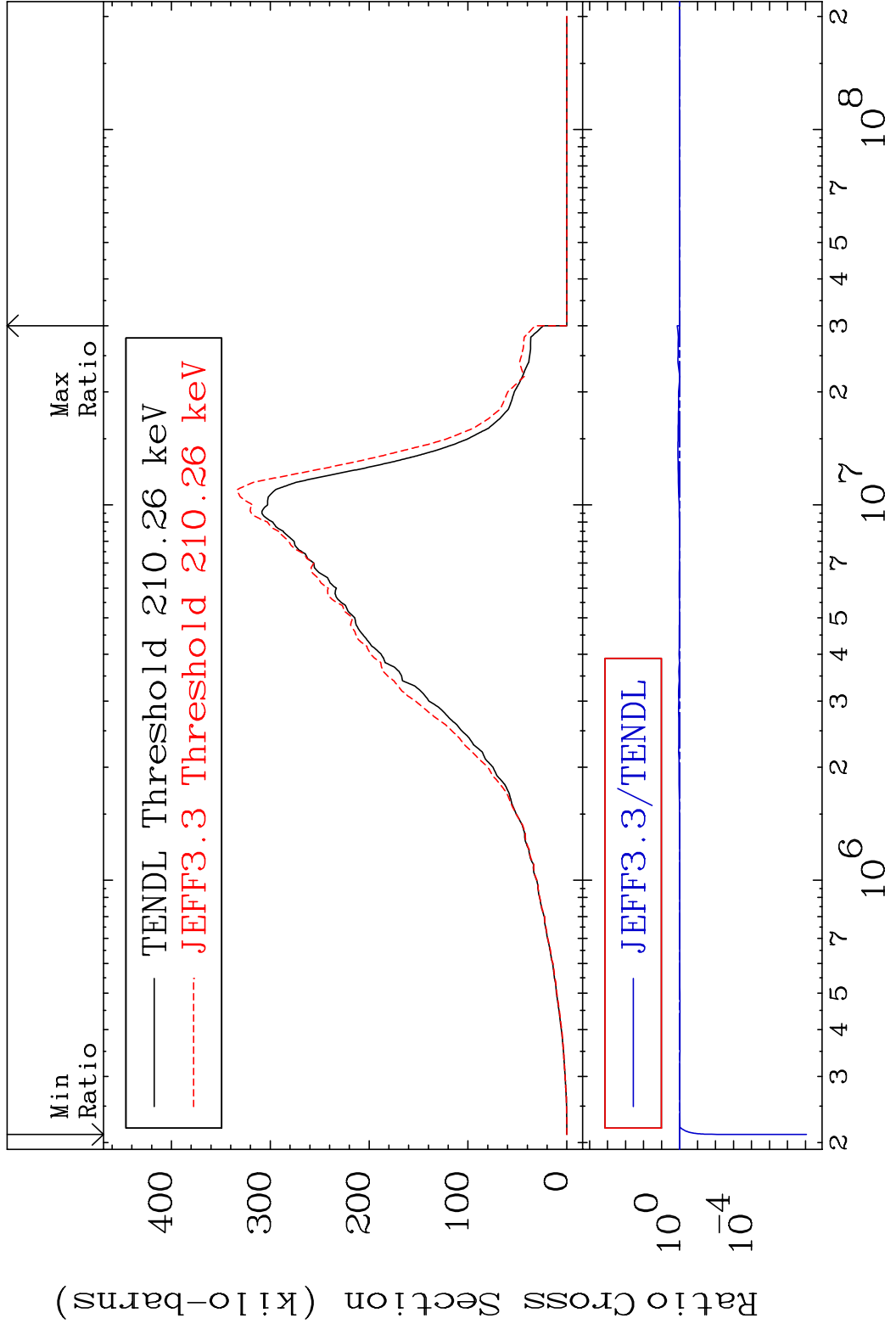
Incident Energy (eV)

35-Br-79

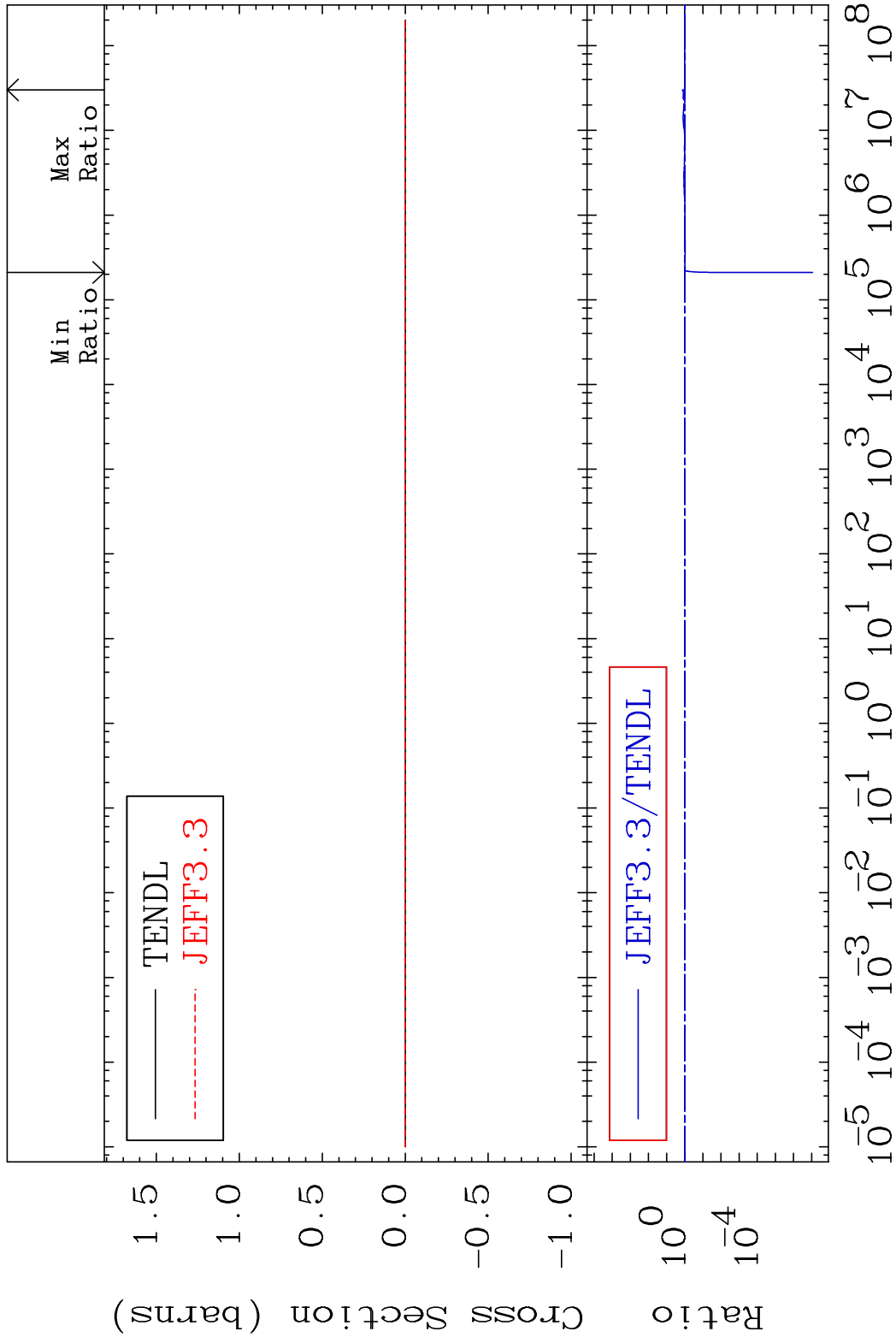
MAT 3525 Kerma non-elastic (all but mt2) 35-Br-79
 Cross Section -99.40 To 9999. %



MAT 3525 Kerma inelastic (mt51-91) 35-Br-79
 Cross Section -100.0 To 35.66 %



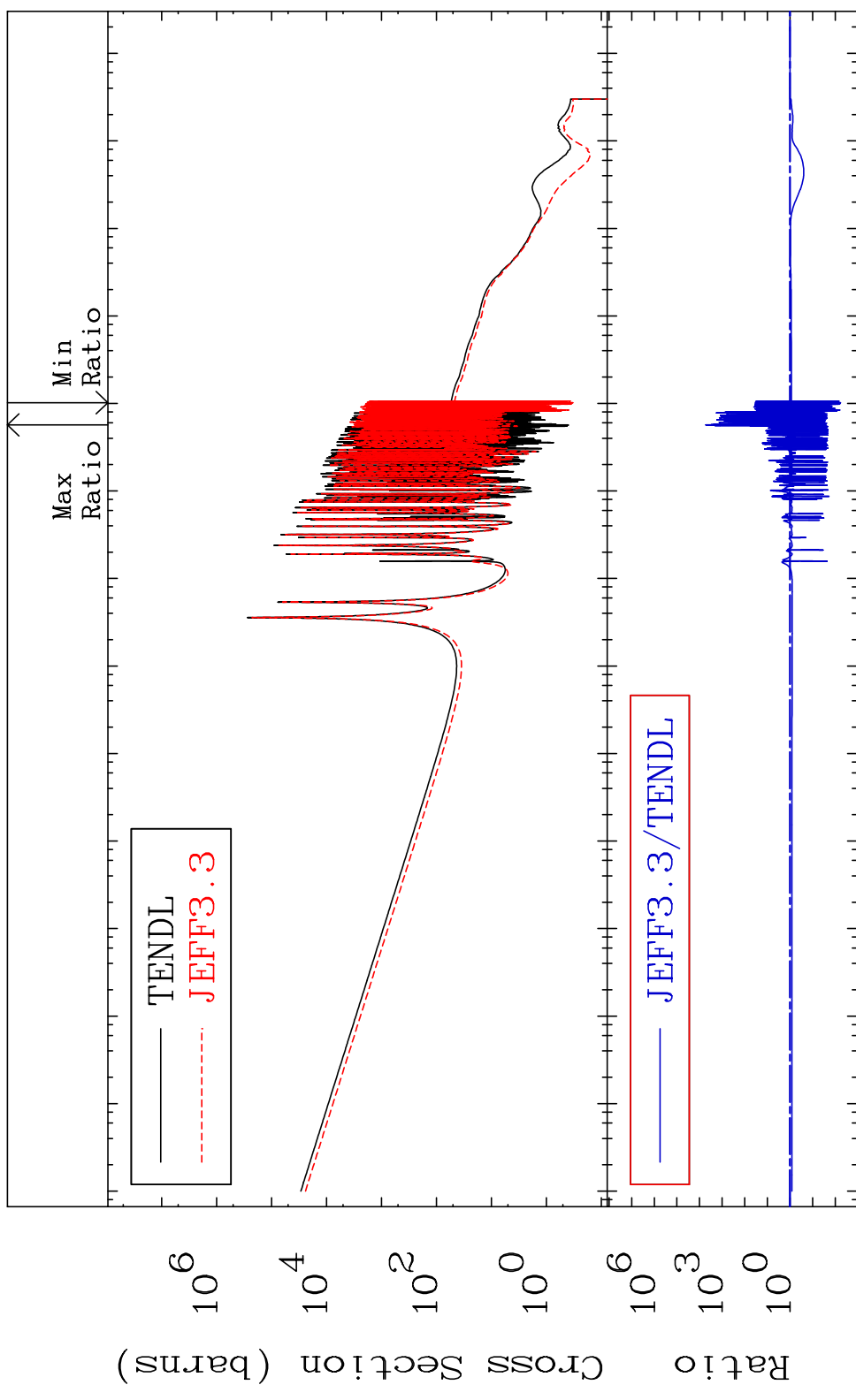
MAT 3525 Kerma fission (mt18 or mt19-20-21-38) 35-Br-79
 Cross Section -100.0 To 35.66 %



MAT 3525

Kerma capture (mt102) 35-Br-79

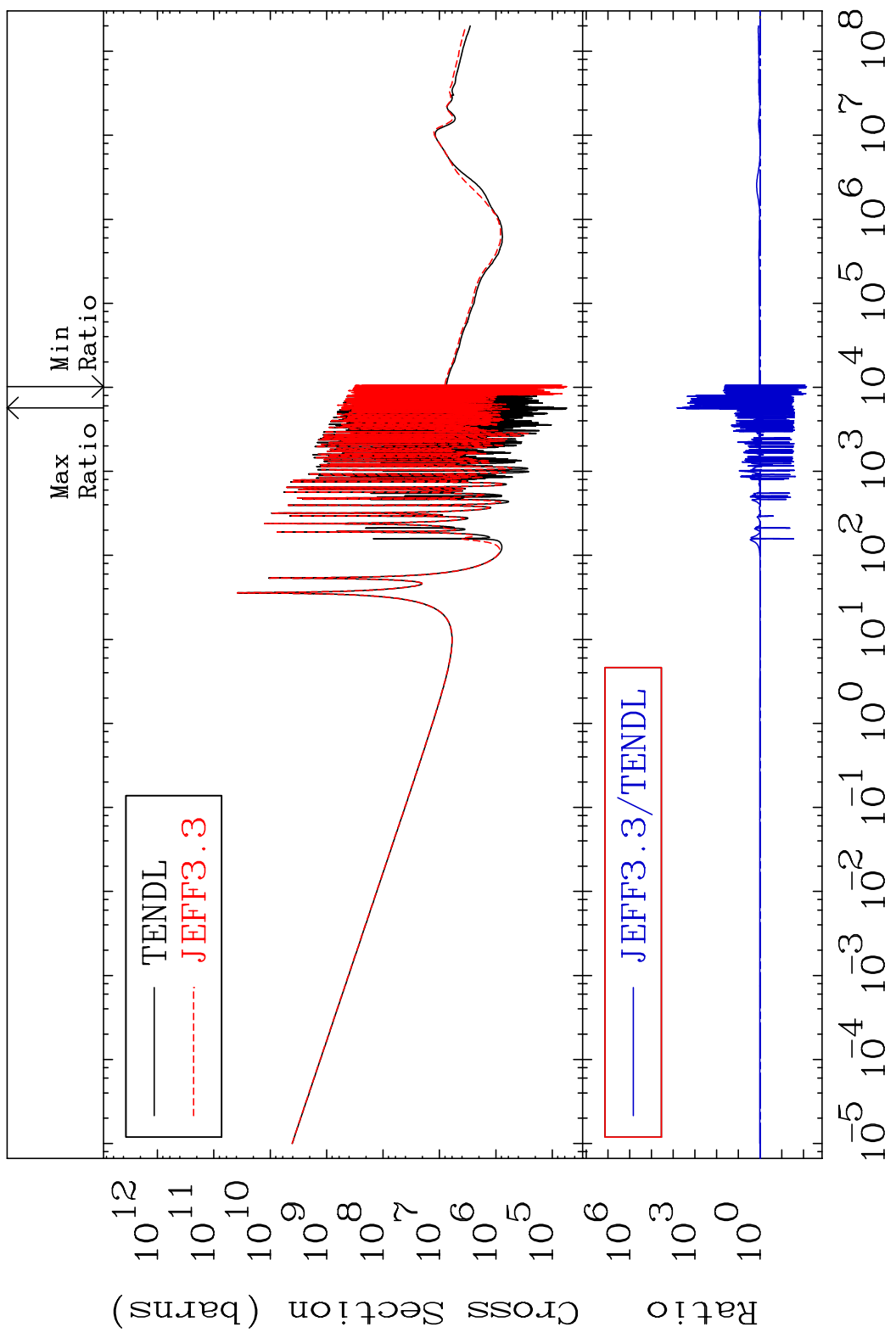
Cross Section -99.40 To 9999. %



Incident Energy (eV) 35-Br-79

MAT 3525

Total photon (eV-barns) 35-Br-79
Cross Section -99.27 To 9999. %

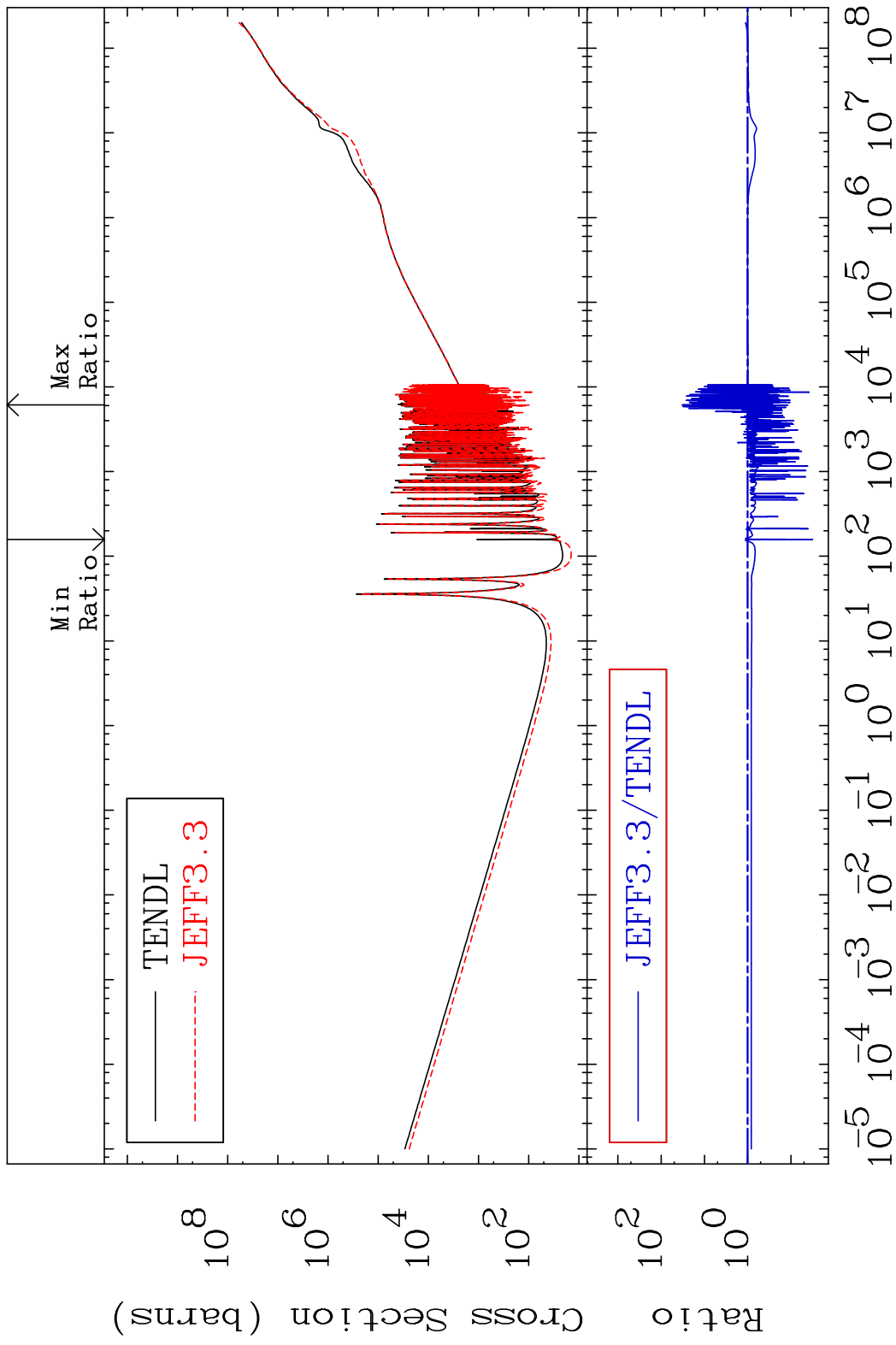


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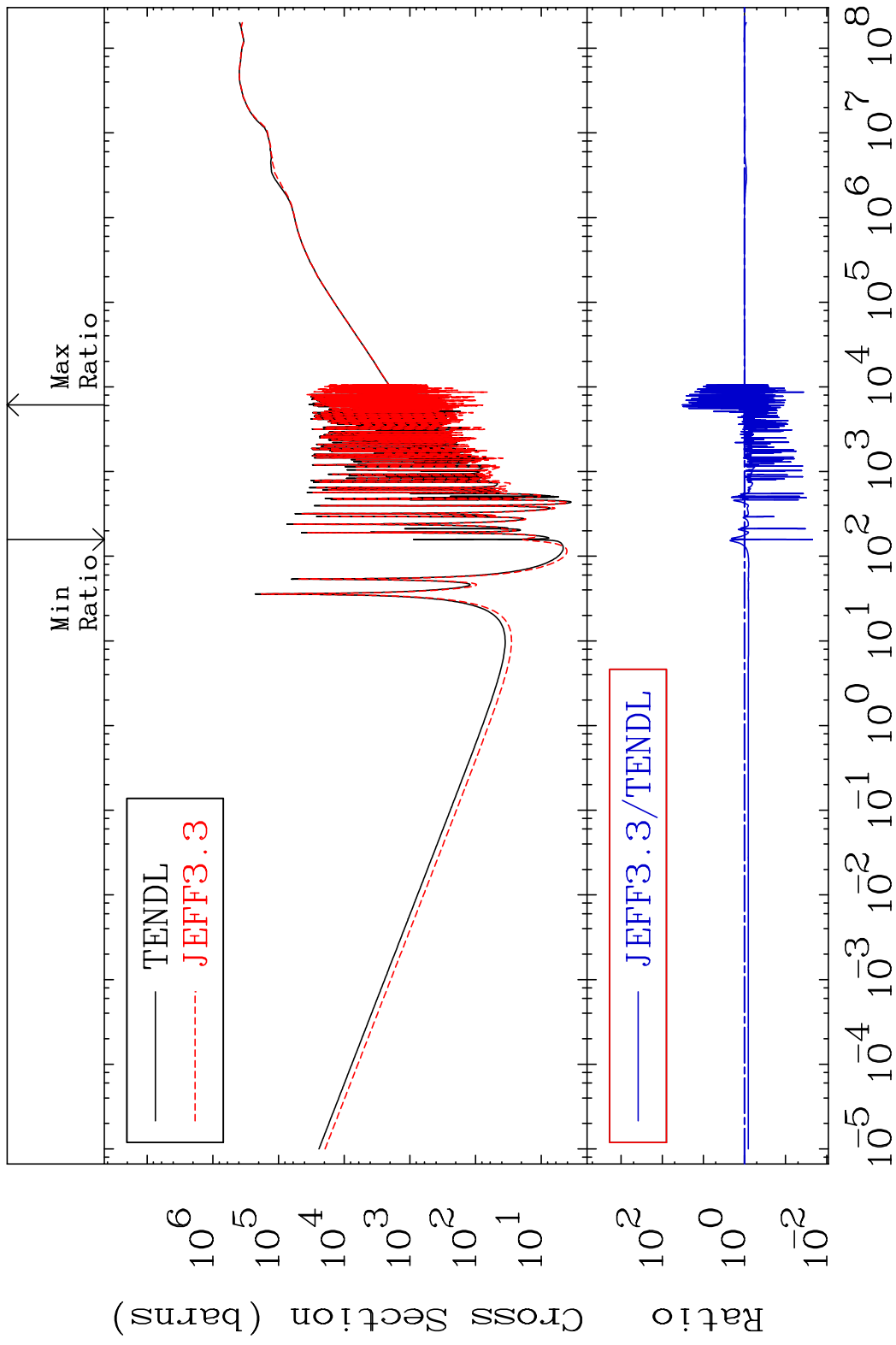
Incident Energy (eV)

35-Br-79

MAT 3525 Total kinematic kerma (high limit) 35-Br-79
 Cross Section -96.85 To 3136. %



MAT 3525 Dpa total (eV-barns) 35-Br-79
Cross Section -97.79 To 3138. %



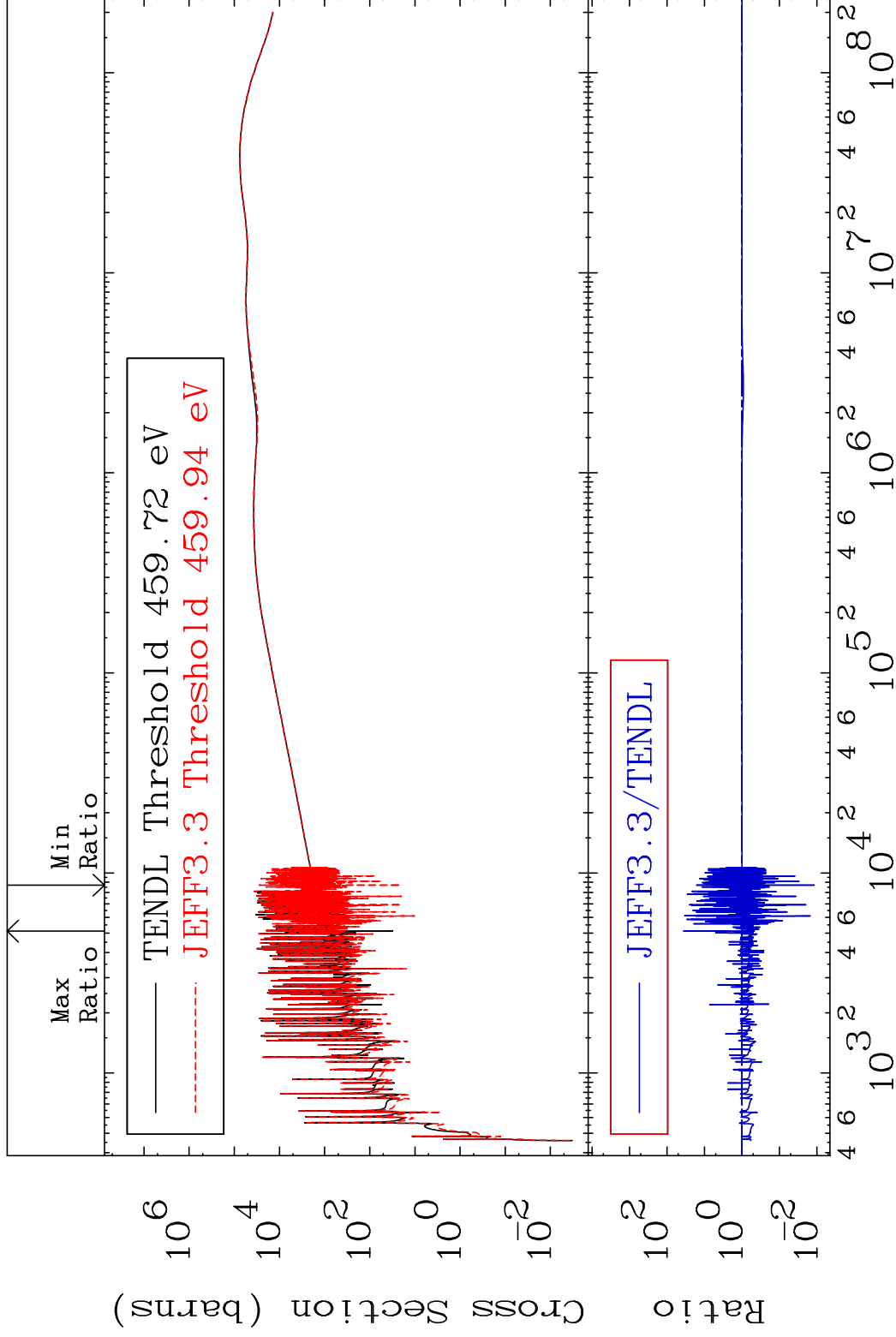
75 Incident Energy (eV) 35-Br-79

MAT 3525

Dpa elastic (mt2)

35-Br-79

Cross Section -98.81 To 3494. %

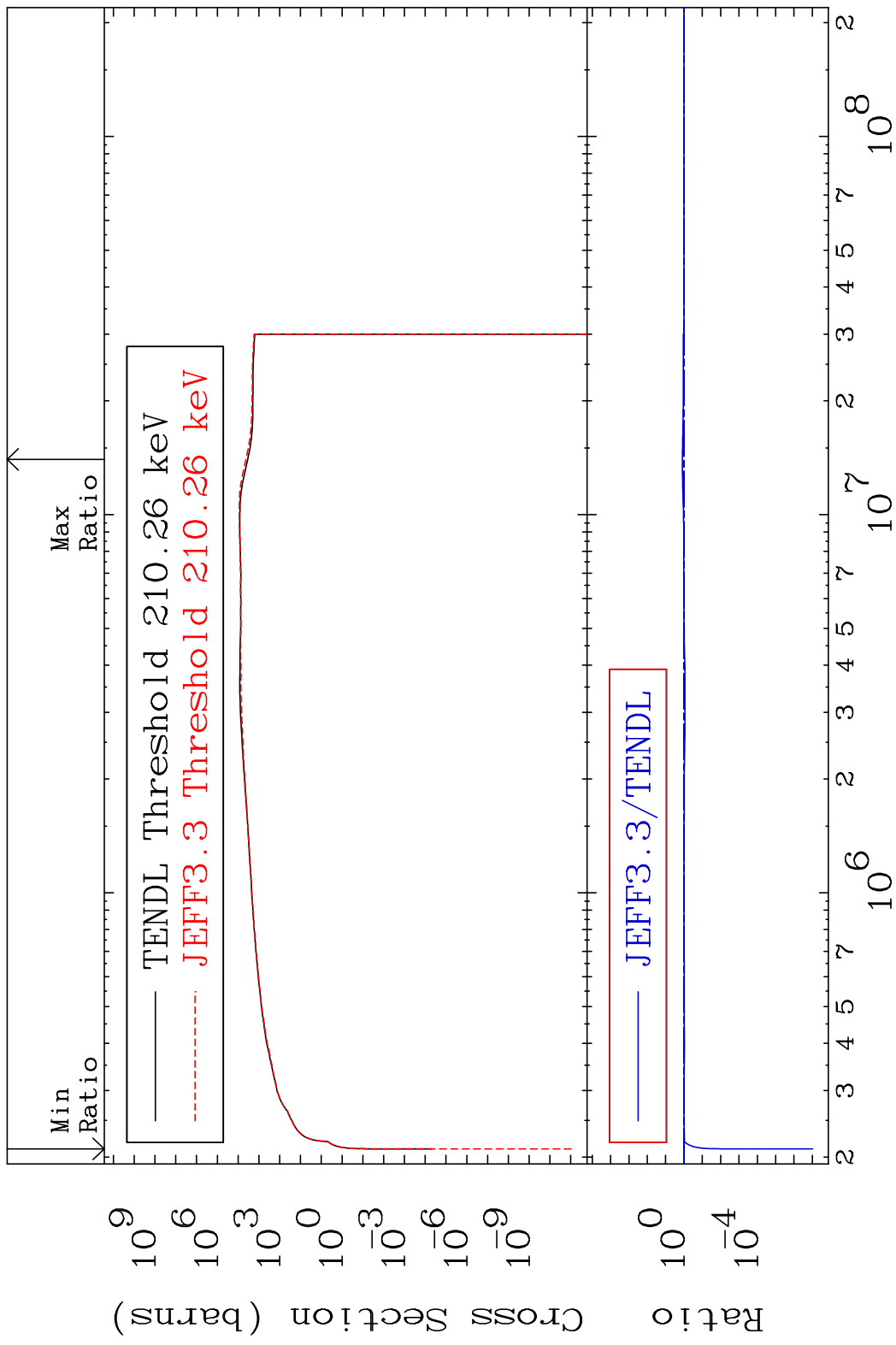


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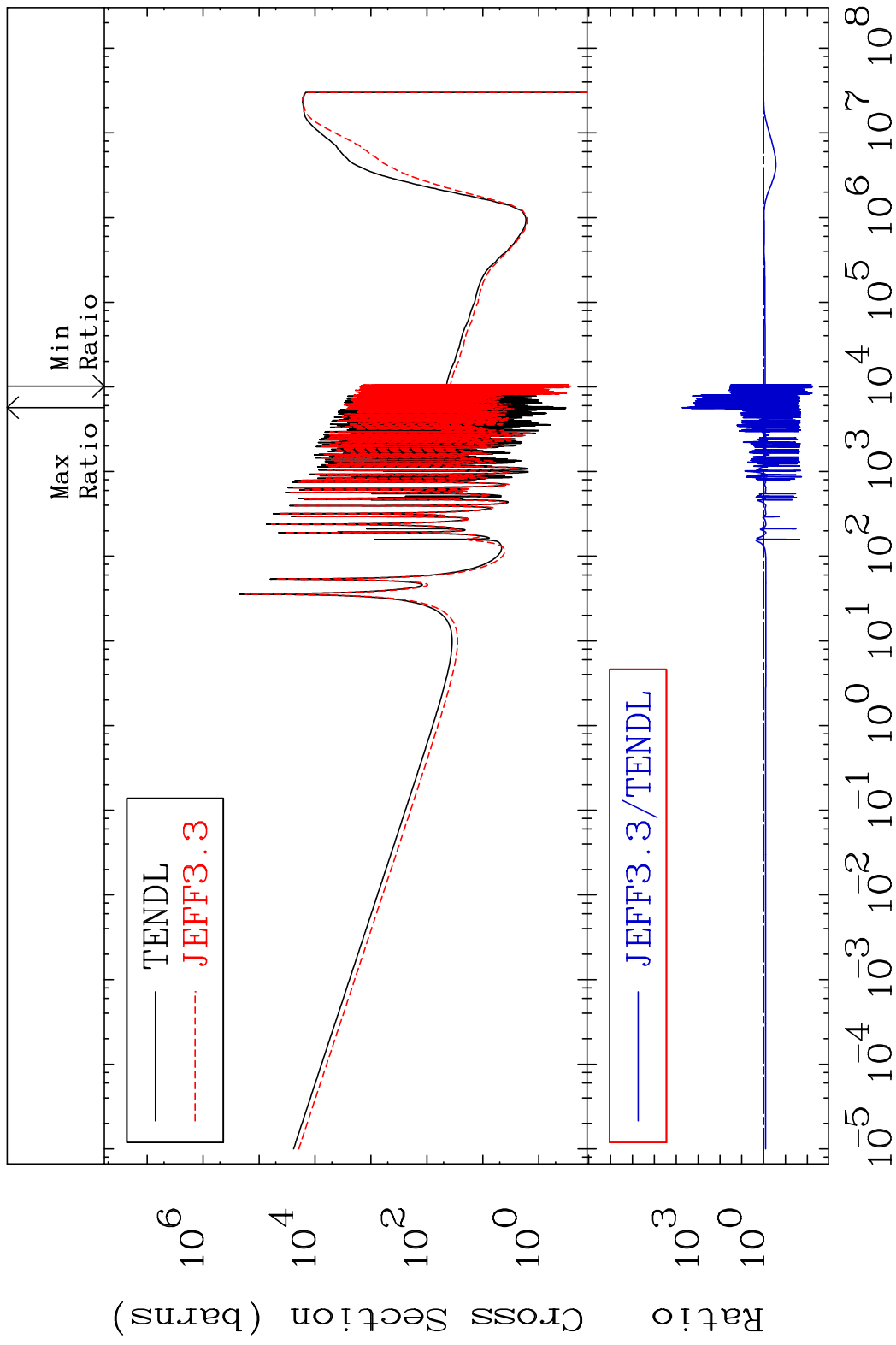
Incident Energy (eV)

35-Br-79

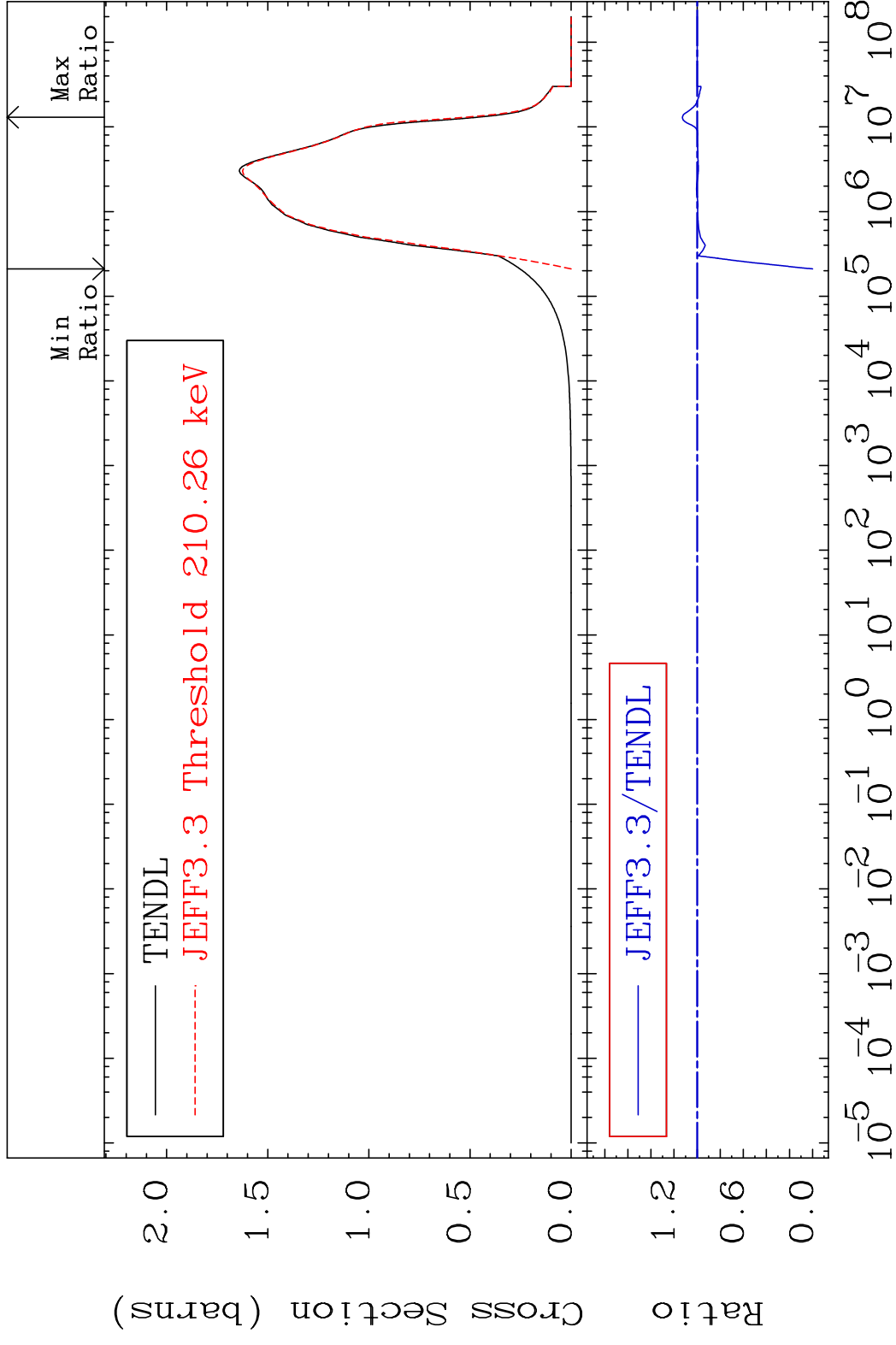
MAT 3525 Dpa inelastic (mt51-91) 35-Br-79
 Cross Section -100.0 To 22.41 %



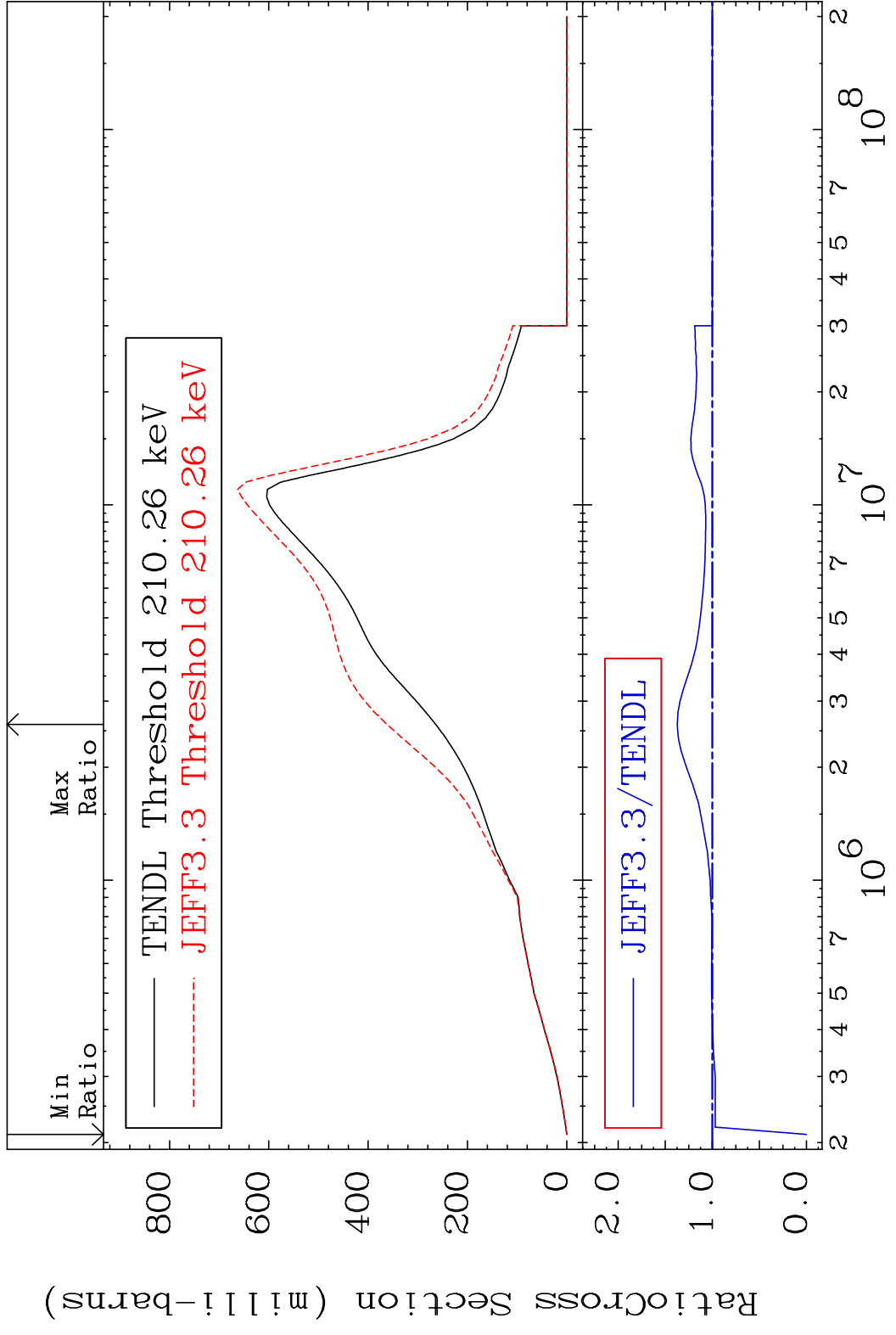
MAT 3525 Dpa disappearance (mt102 -120) 35-Br-79
 Cross Section -99.42 To 9999. %



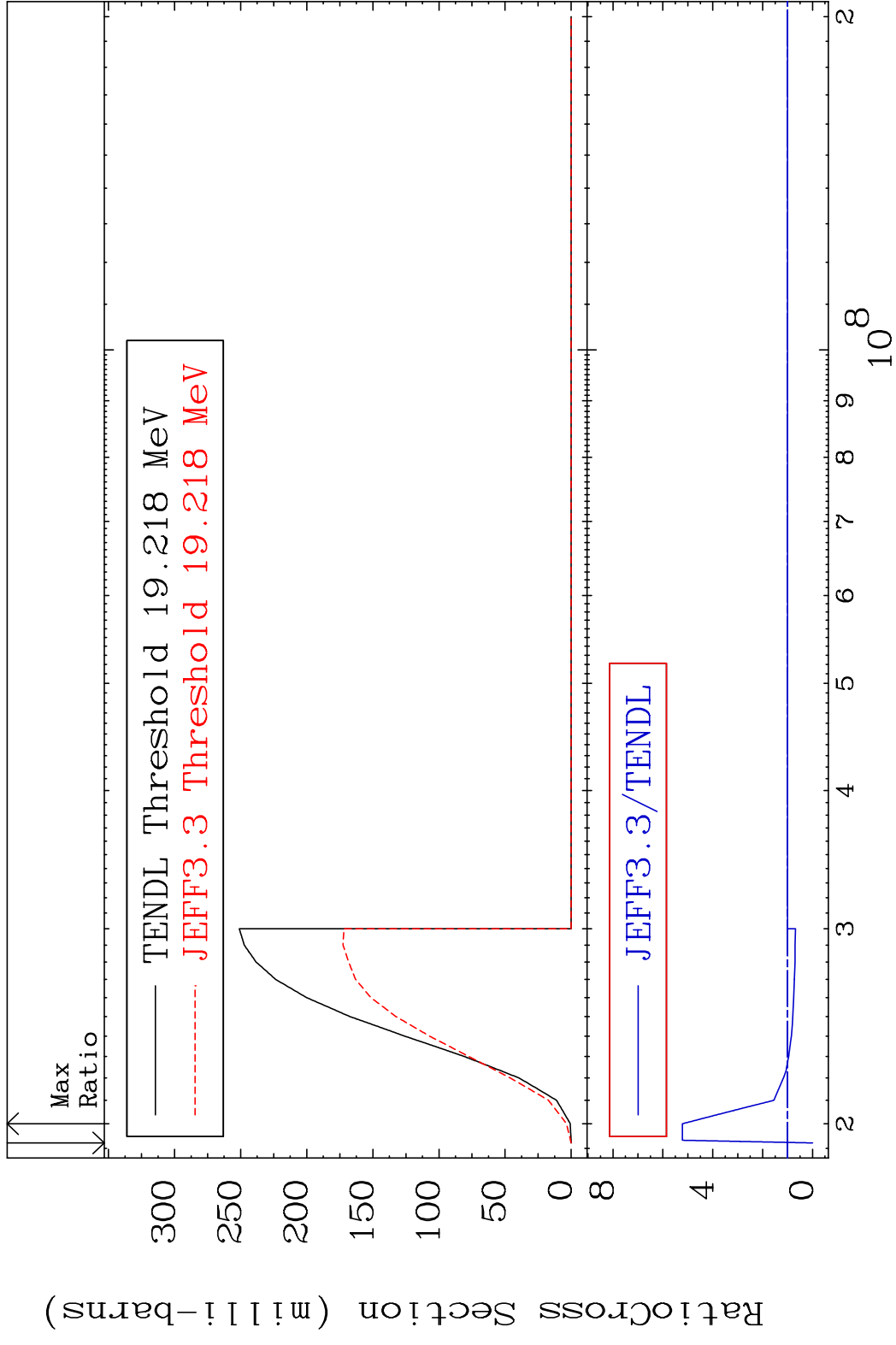
MAT 3525 Inelastic:35-Br-79g 35-Br-79
 Radionuclide Production Cross Section 180.01 dth 12.80 %



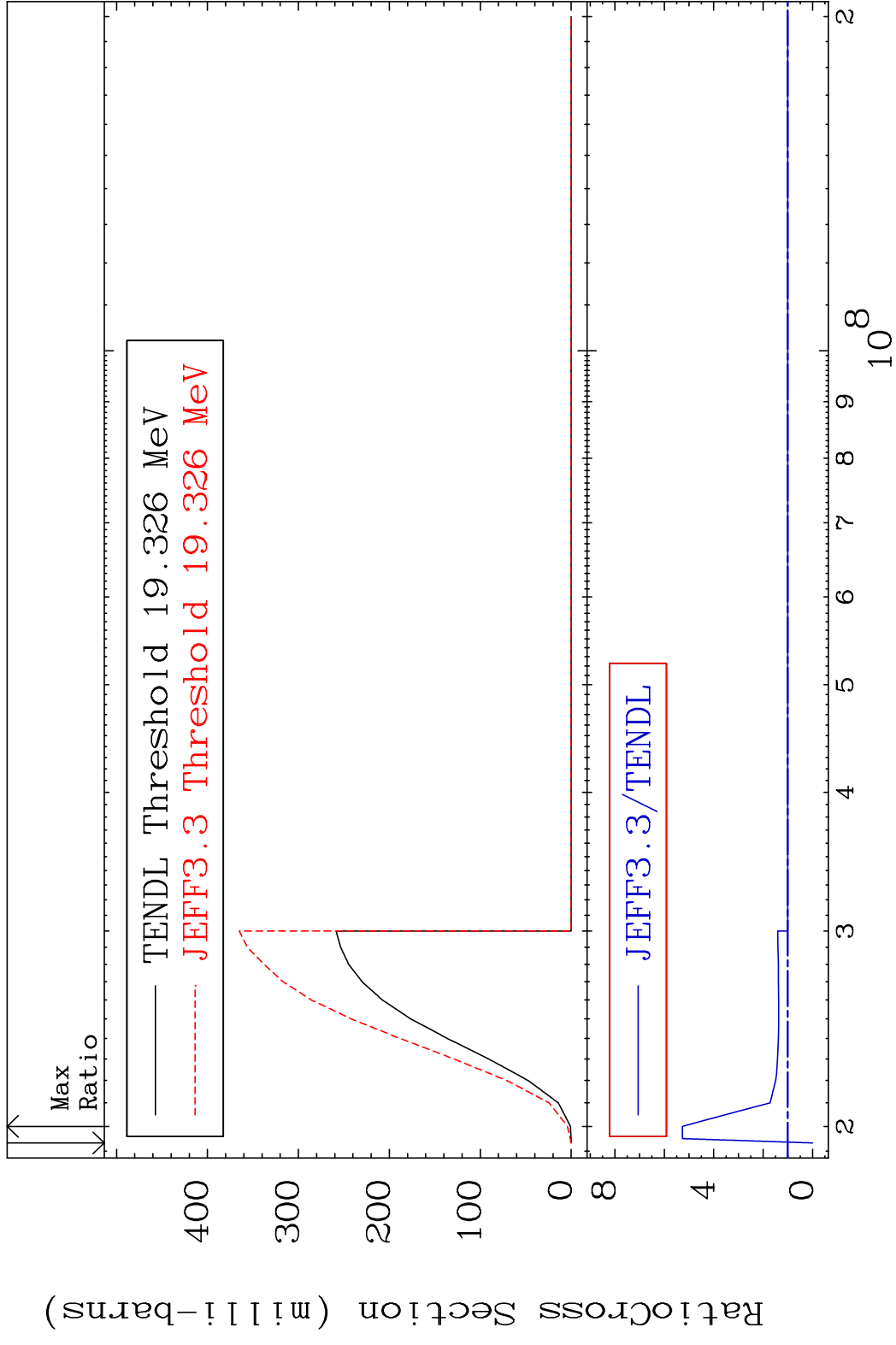
79 Incident Energy (eV) 35-Br-79



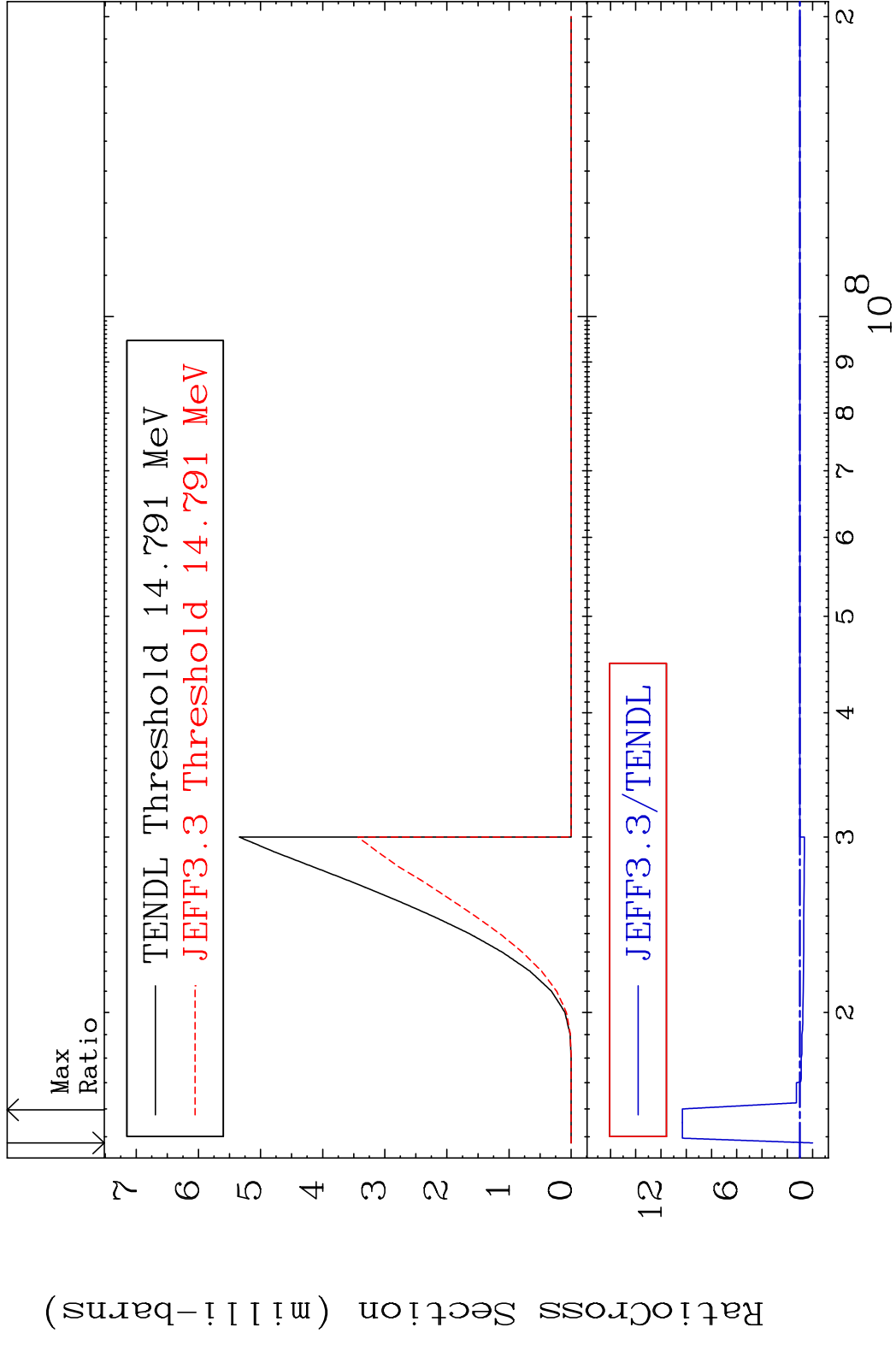
MAT 3525 (n,3n):35-Br-77g 35-Br-79
 Radionuclide Production Cross Section 180.01 dth 421.9 %

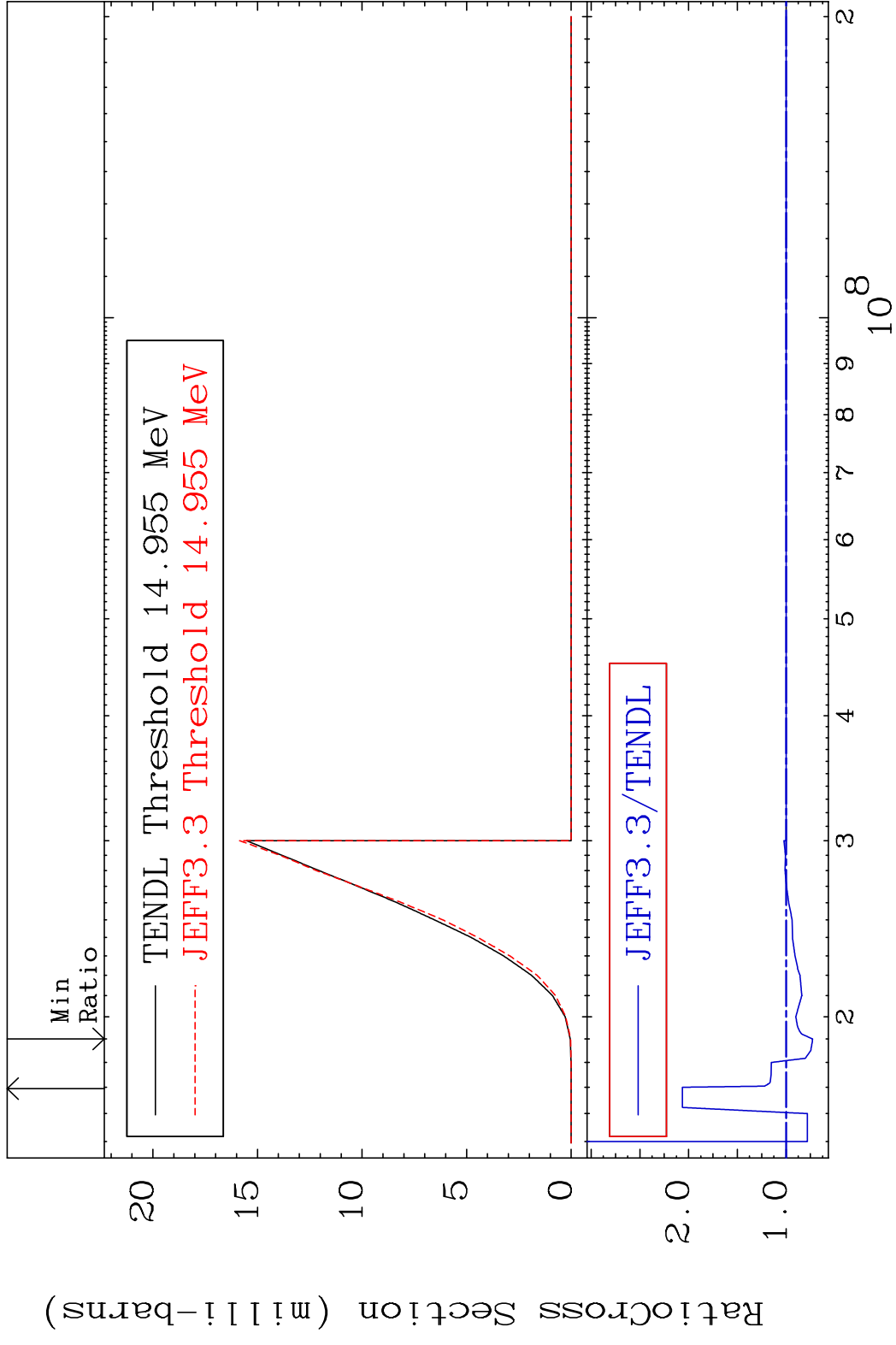


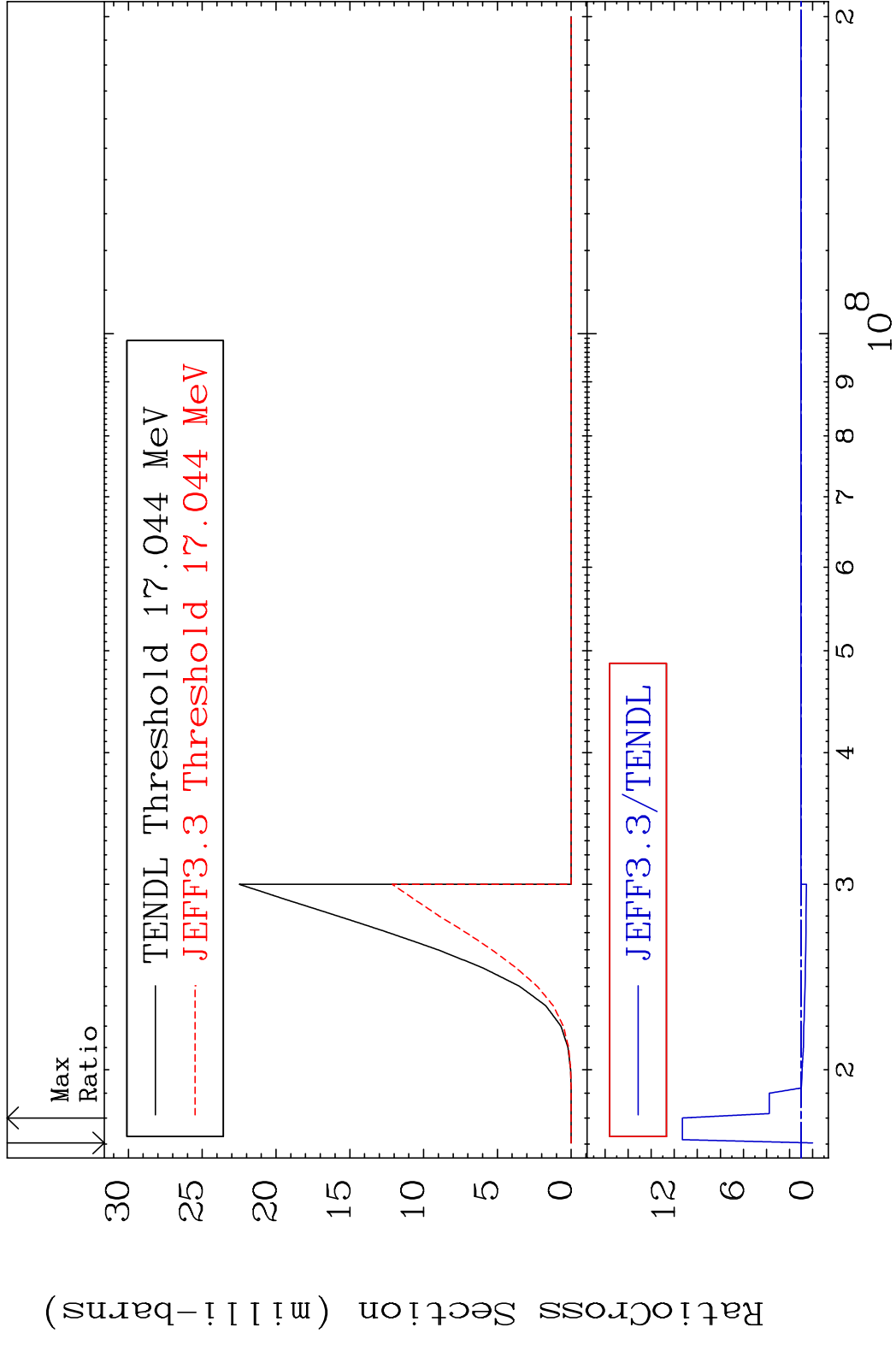
MAT 3525 (n, 3n) : 35-Br-77m1 35-Br-79
 Radionuclide Production Cross Section 180.0 dth 426.9 %

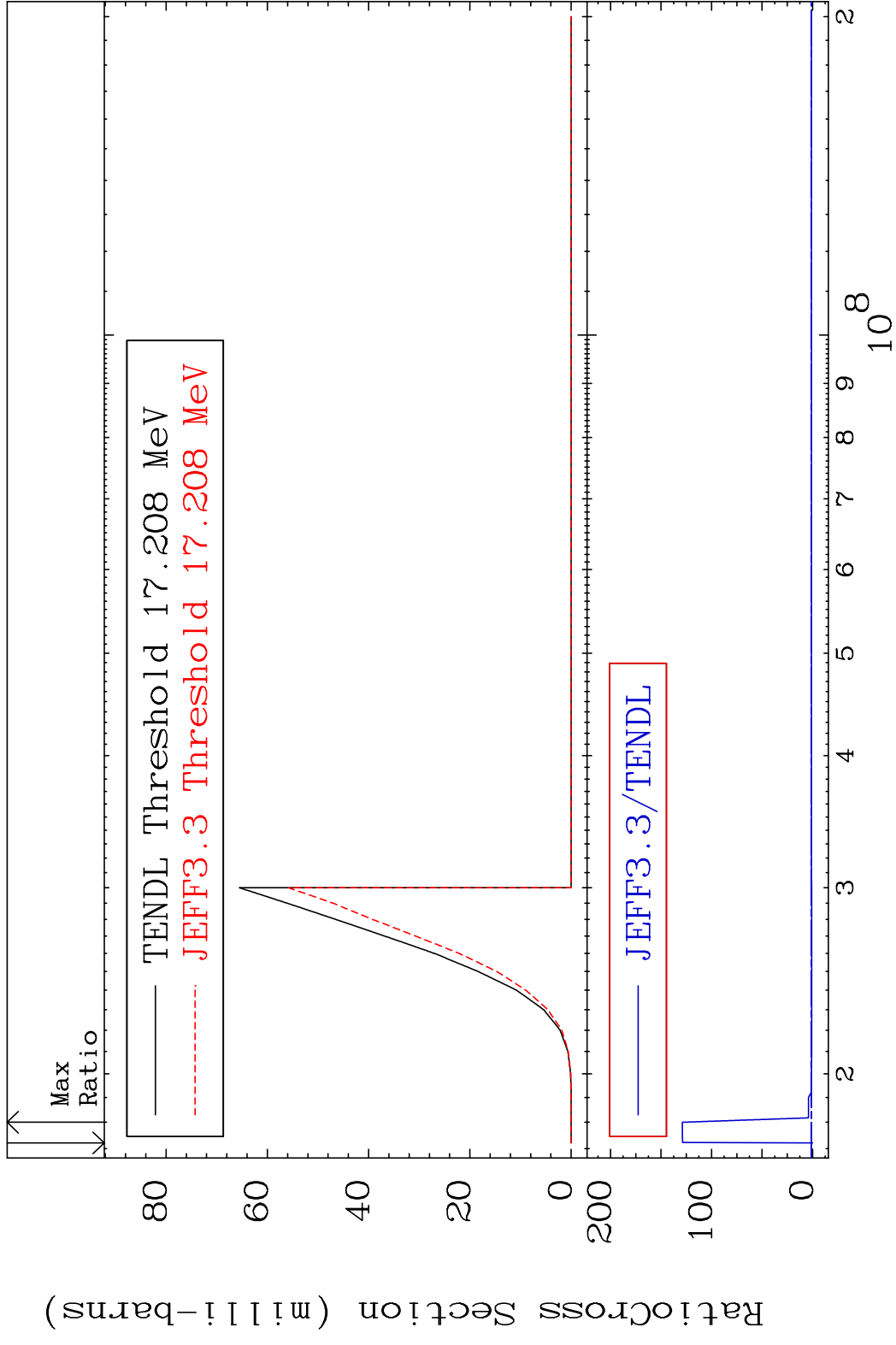


MAT 3525 (n, n') d:34-Se-77g 35-Br-79
 Radionuclide Production Cross Section 180.0 dno 930.8 %

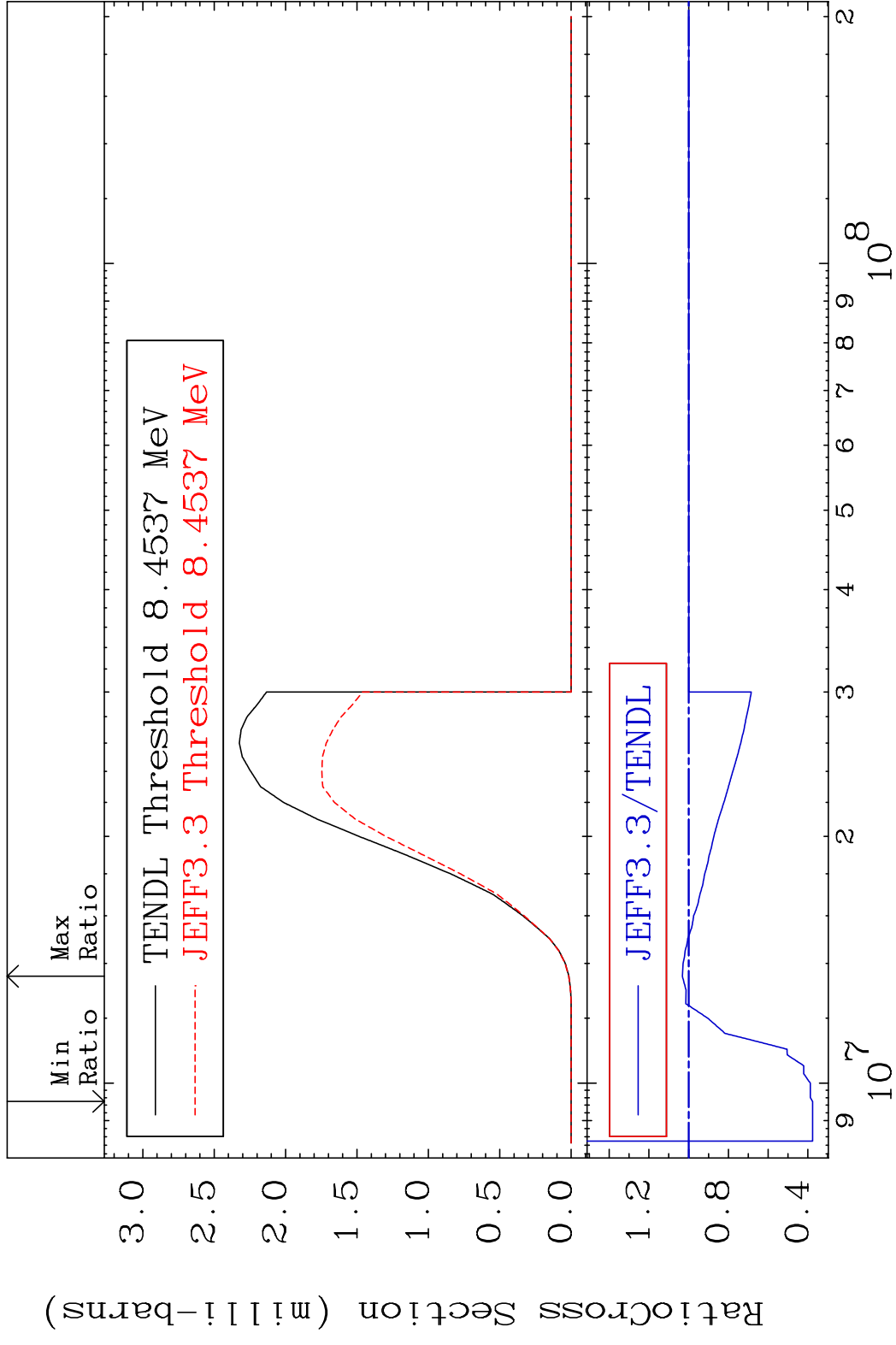




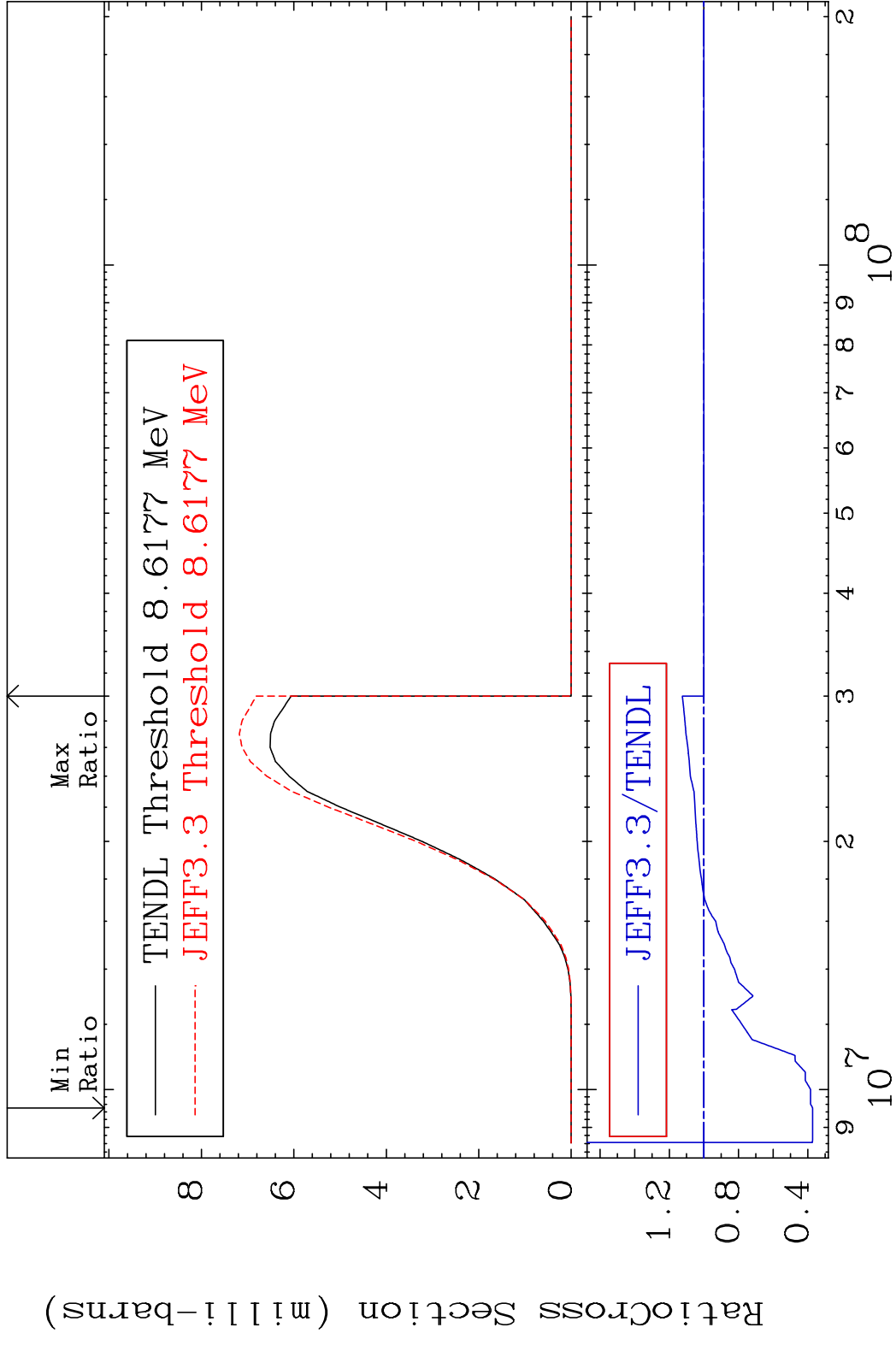




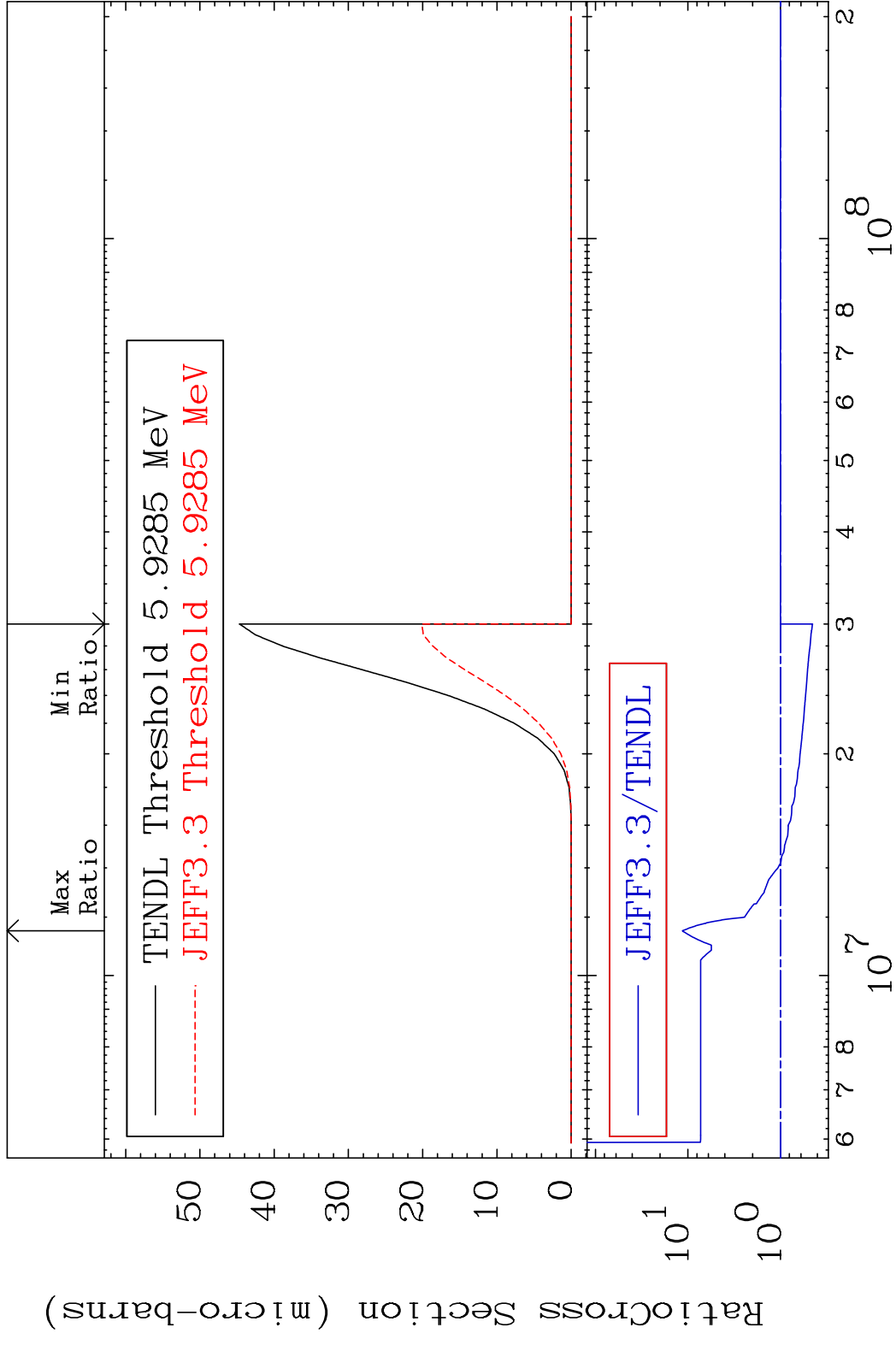
MAT 3525 (n, t):34-Se-77g 35-Br-79
 Radionuclide Production Cross Section 3.182 %



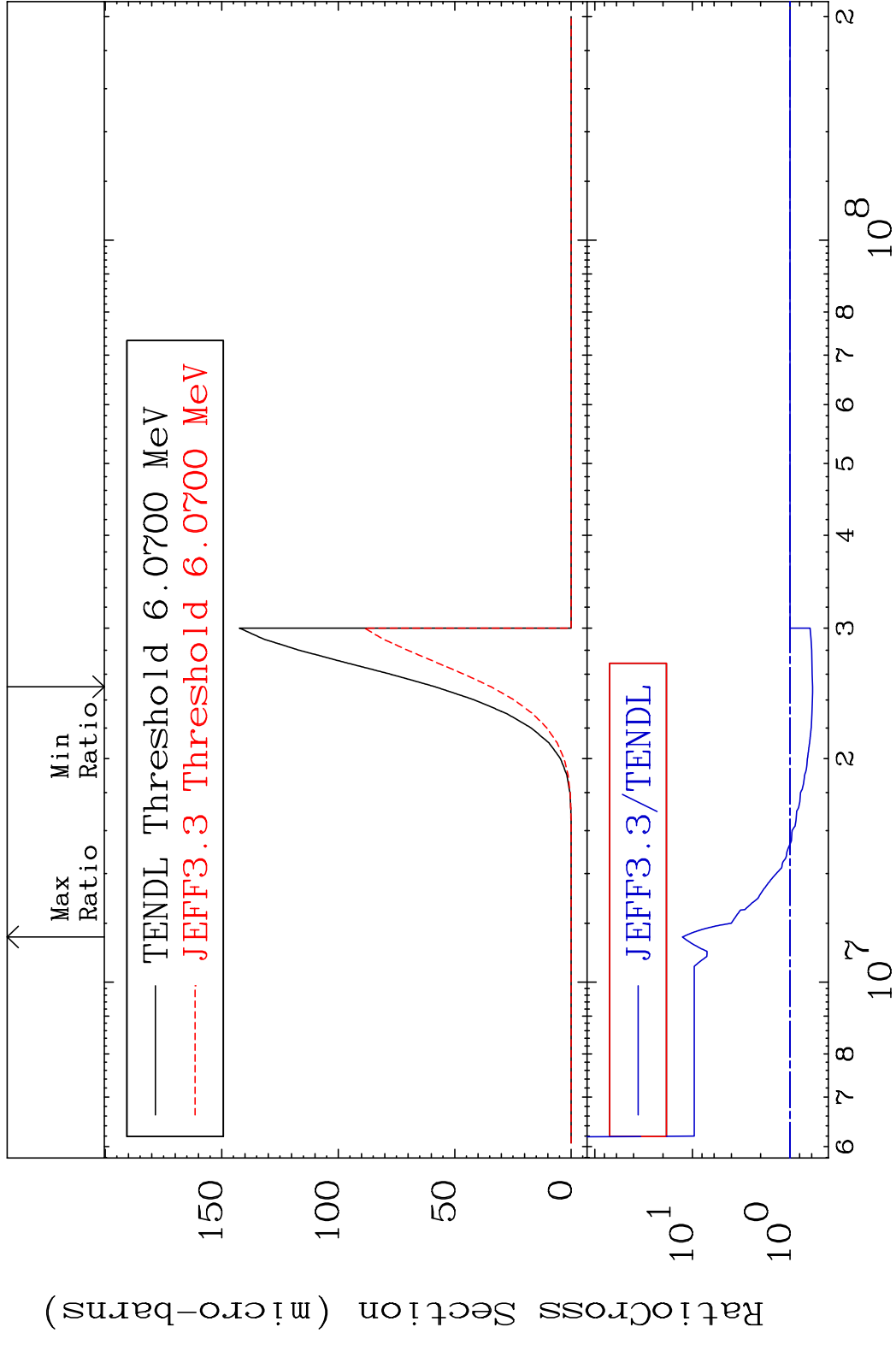
MAT 3525 (n, t):34-Se-77m1 35-Br-79
 Radionuclide Production Cross Section 12.46 %



MAT 3525 (n, p) α :32-Ge-75g 35-Br-79
 Radionuclide Production Cross Section 1050. %



MAT 3525 (n, p) α :32-Ge-75m2 35-Br-79
 Radionuclide Production Cross Section 1170. %



90 Incident Energy (eV) 35-Br-79