

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

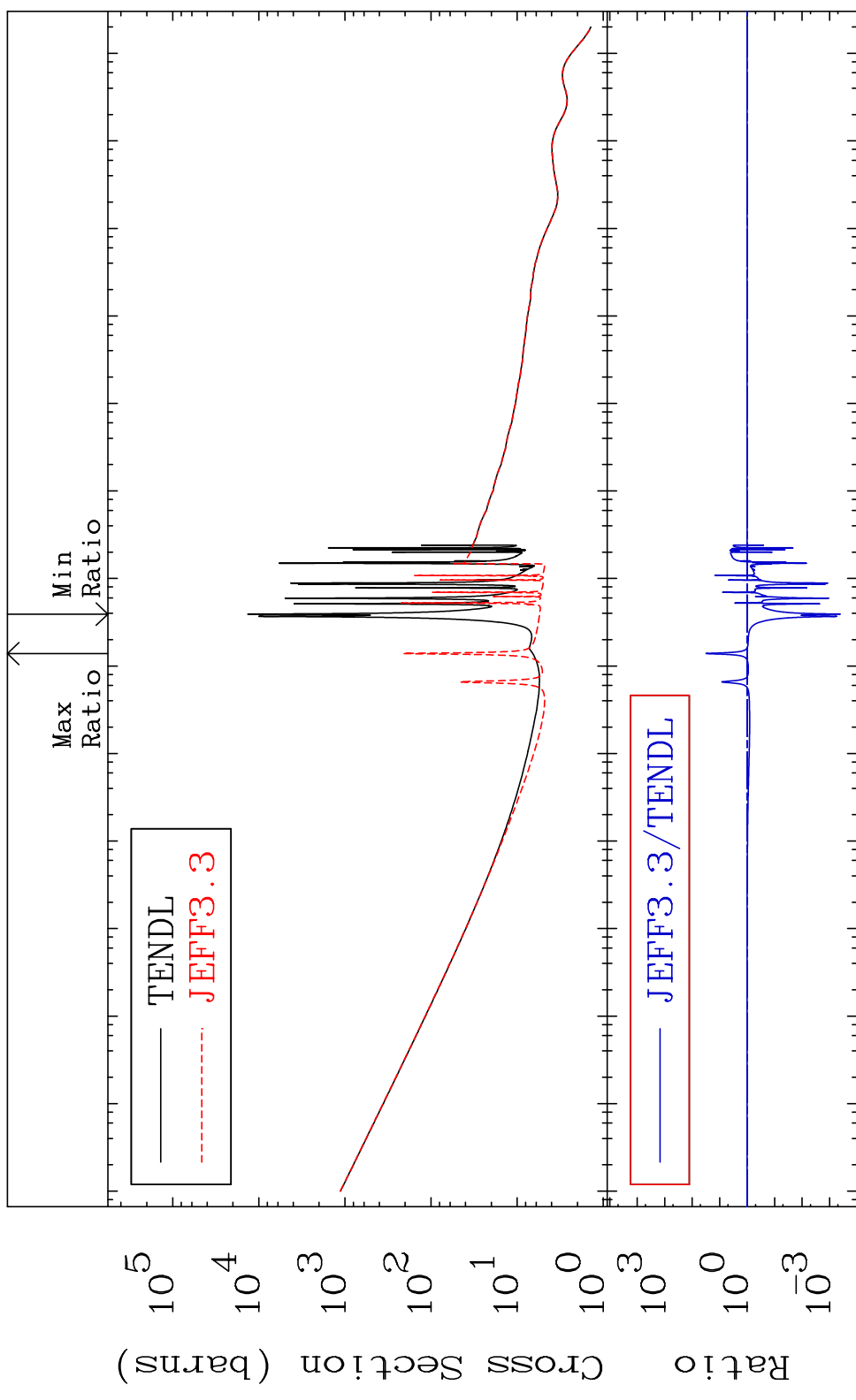
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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3519

Total
Cross Section -99.96 To 3114. %
35-Br-77



1

Incident Energy (eV)

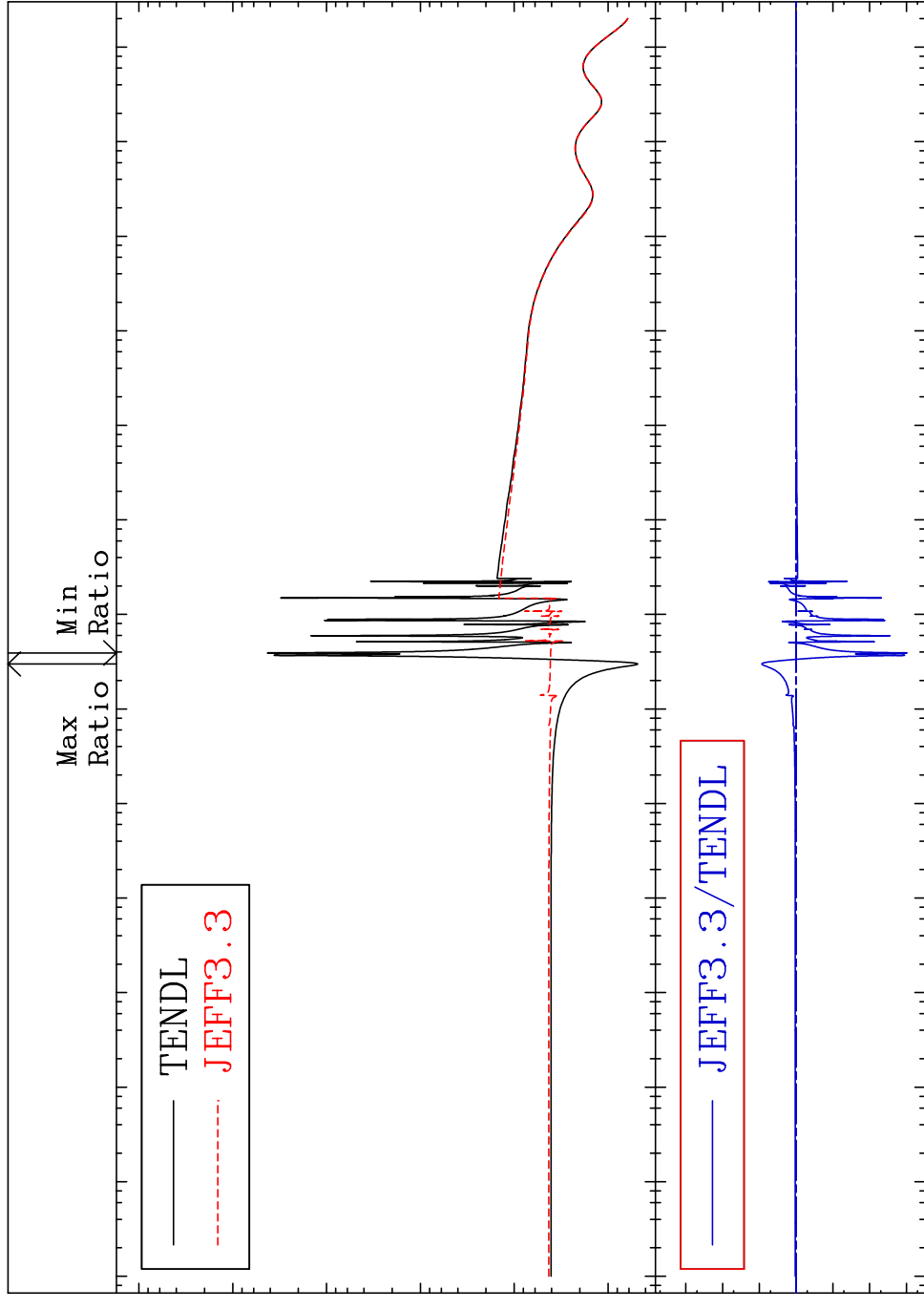
35-Br-77

MAT 3519

35-Br-77

Elastic

Cross Section -99.90 To 755.2 %



Cross Section (barns)

Ratio

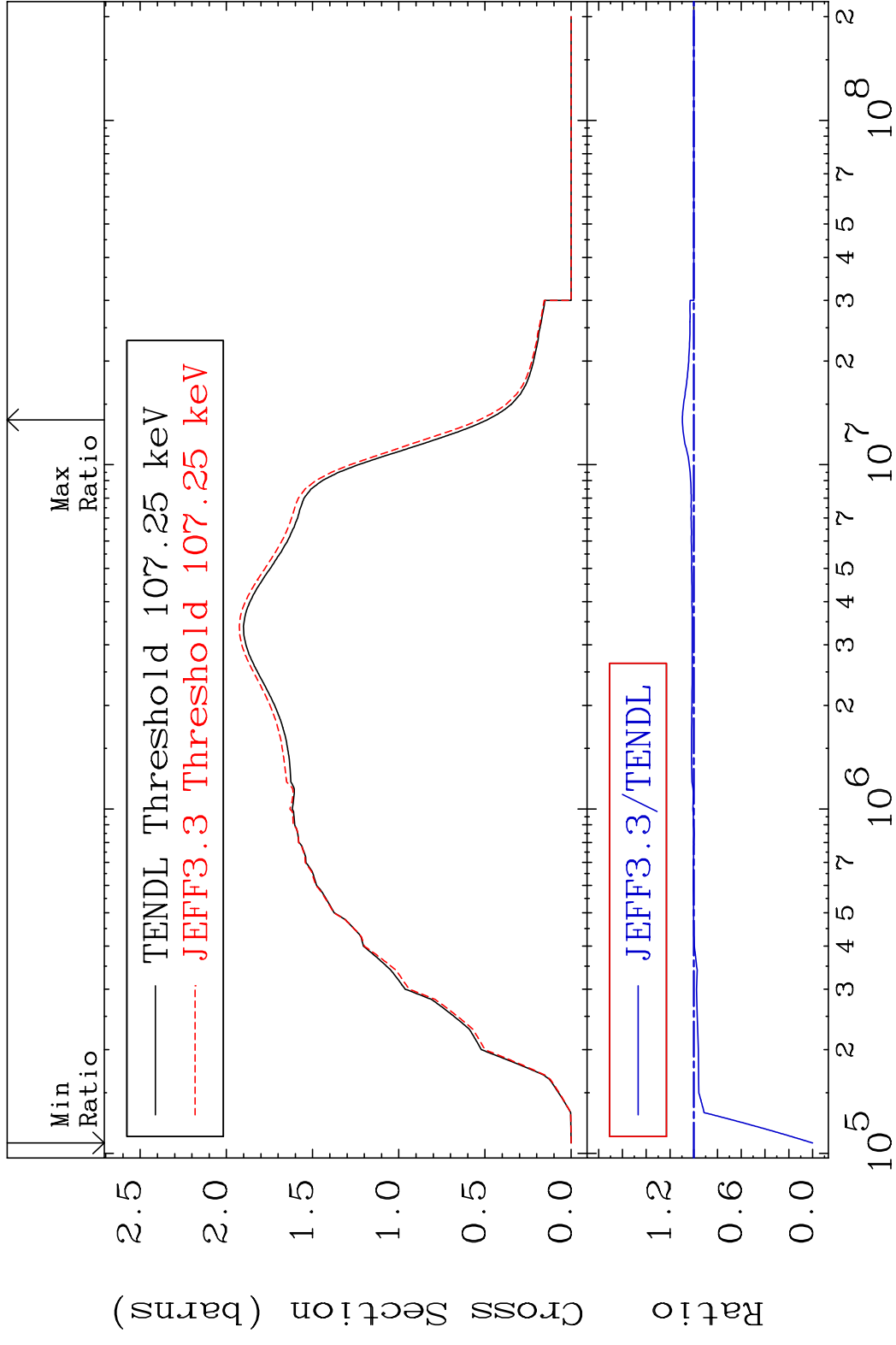
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

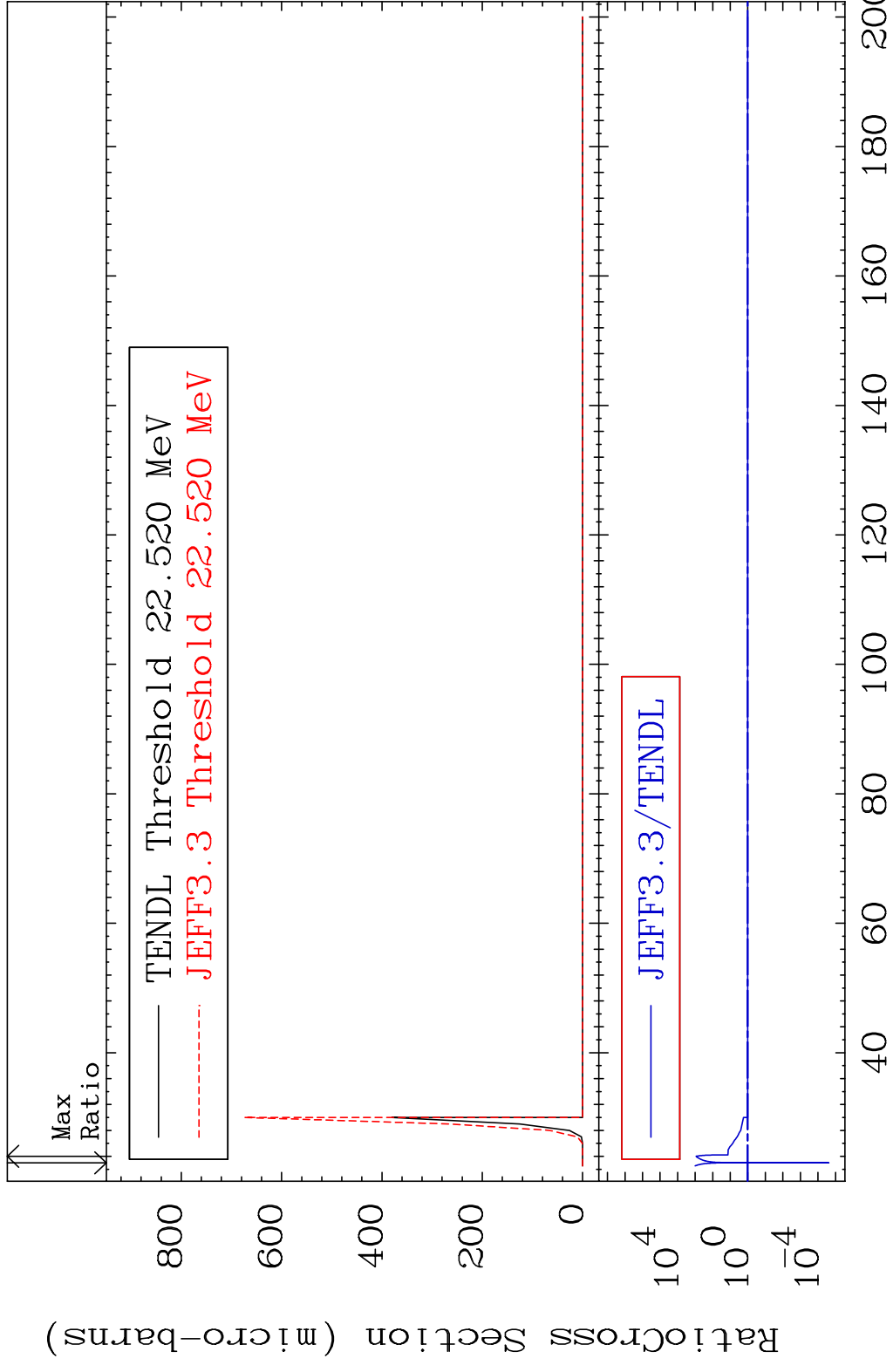
35-Br-77

MAT 3519 Inelastic Cross Section -100.0 To 9.588 % 35-Br-77



3 3 3 4 5 7 2 3 3 4 5 7 8 2 35-Br-77

MAT 3519 (n,2n) d 35-Br-77
 Cross Section -100.0 To 9999. %

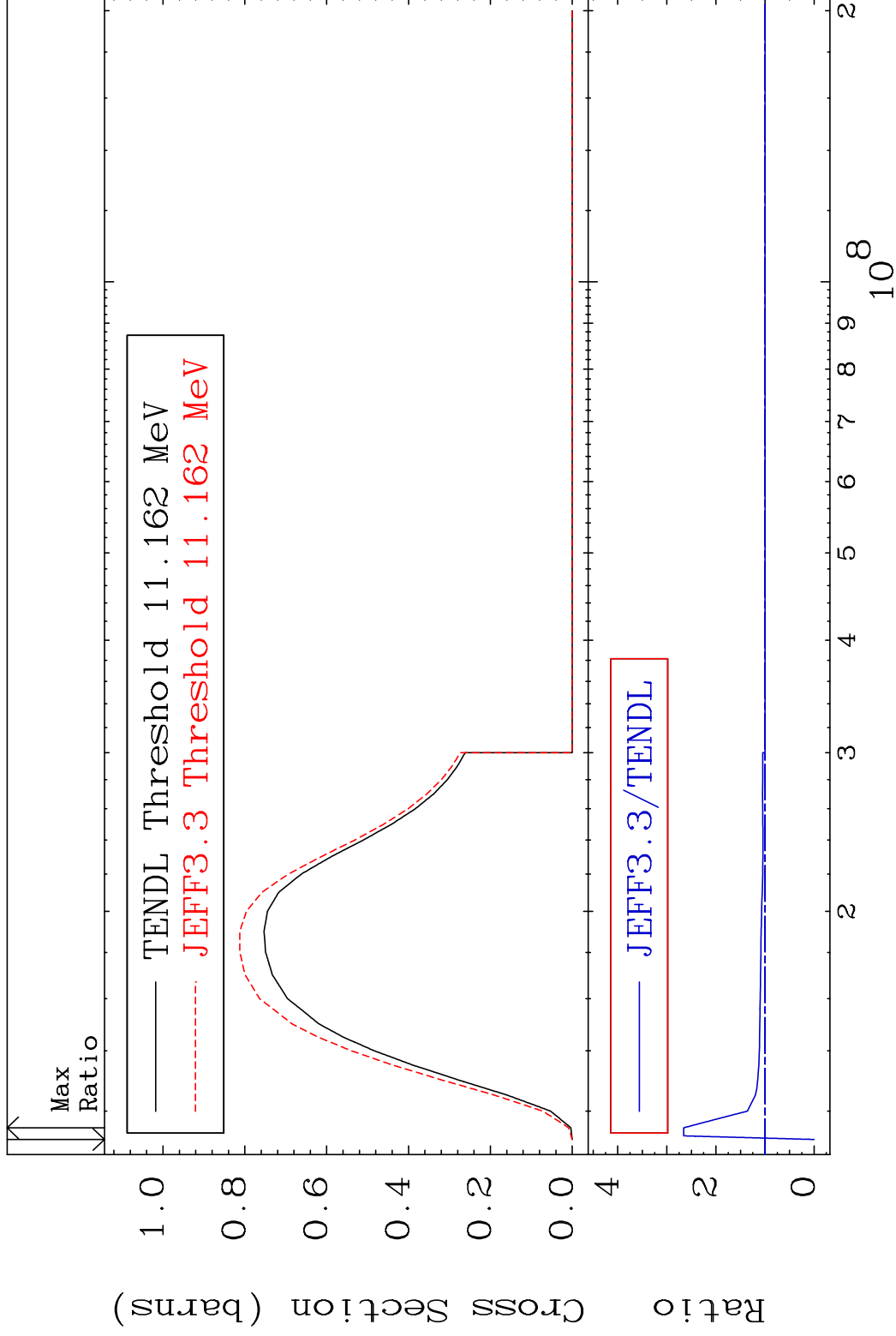


MAT 3519

(n,2n)

35-Br-77

Cross Section -100.0 To 165.8 %



5

Incident Energy (eV)

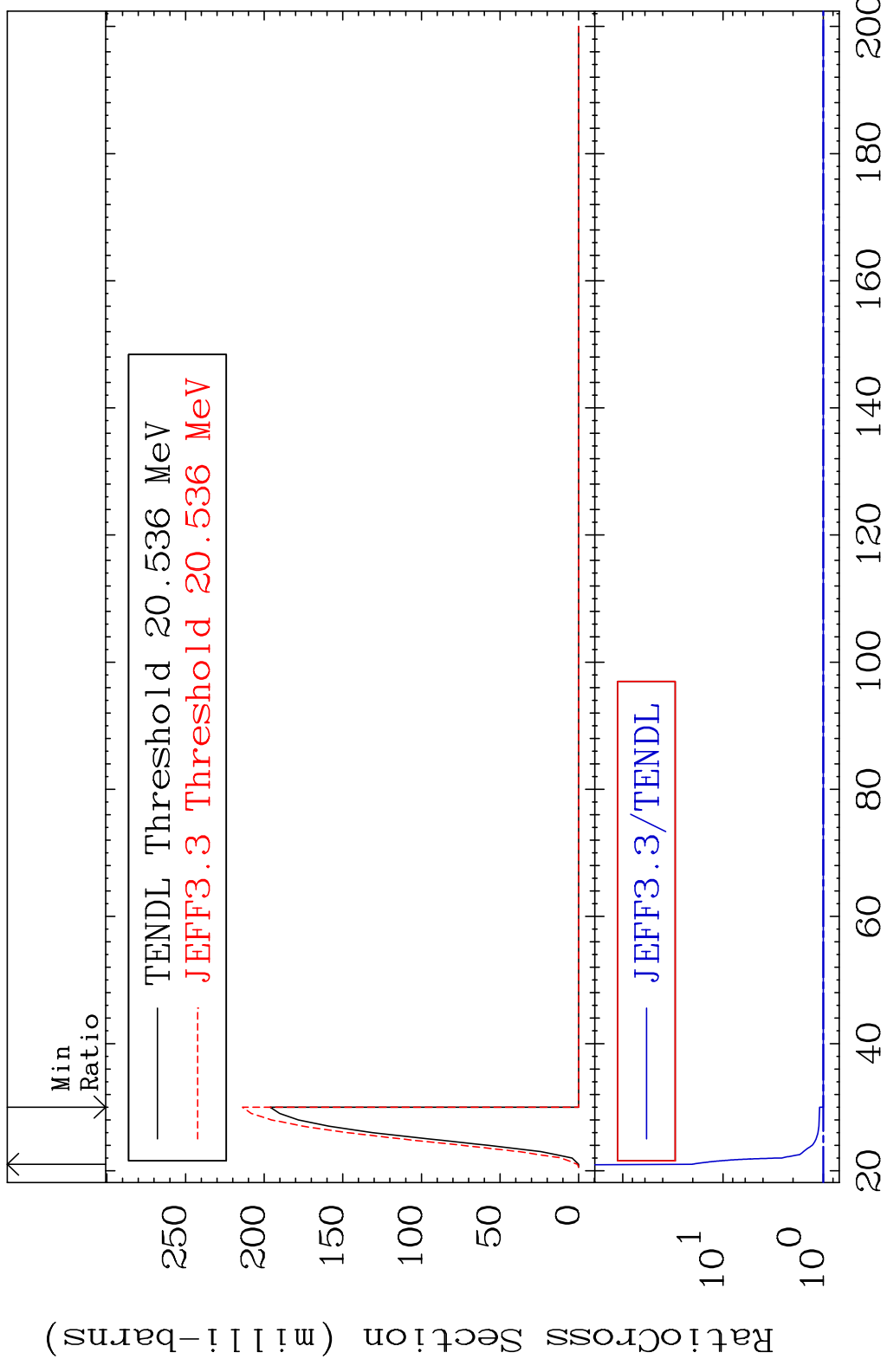
35-Br-77

MAT 3519

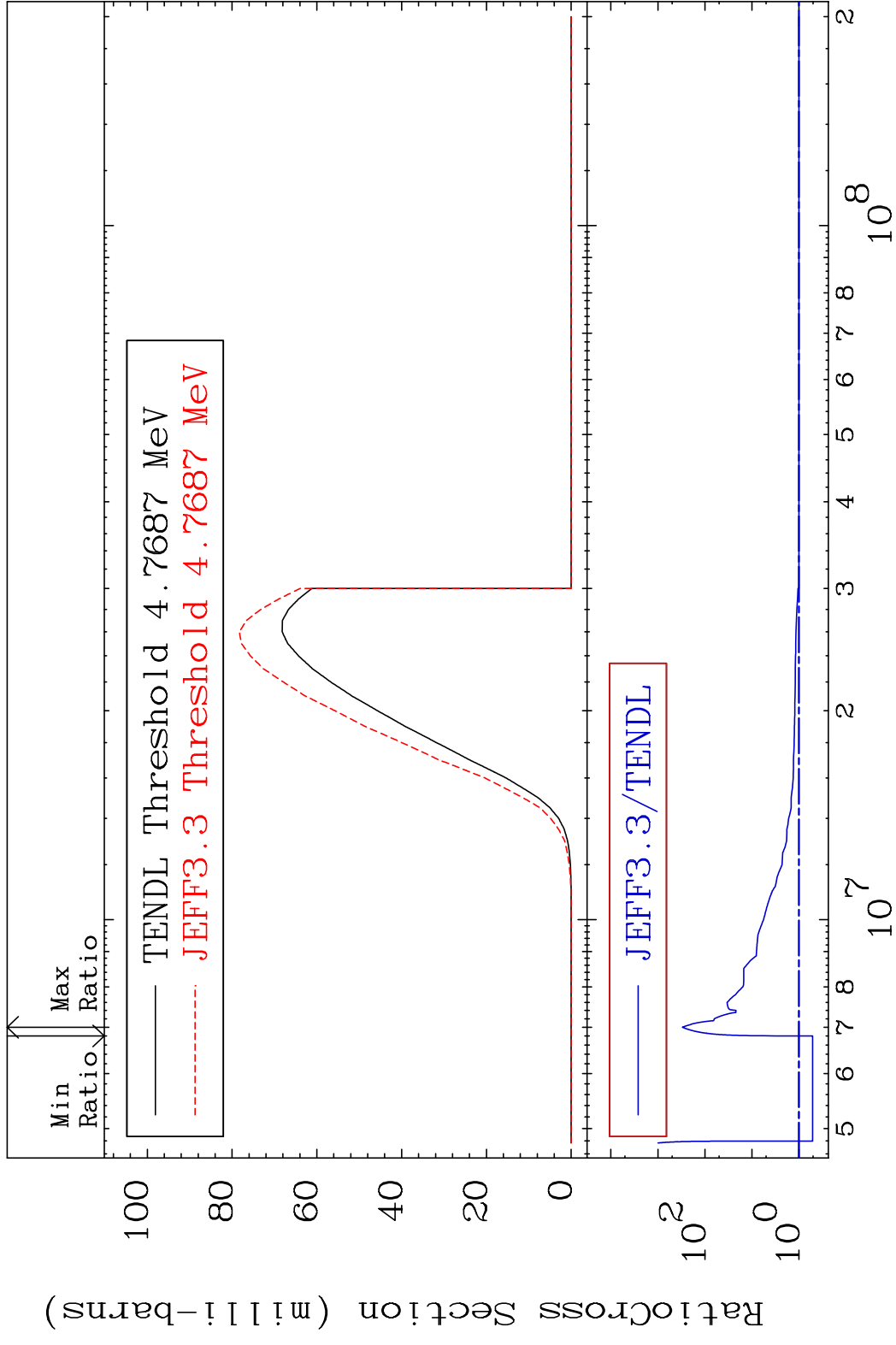
(n,3n)

35-Br-77

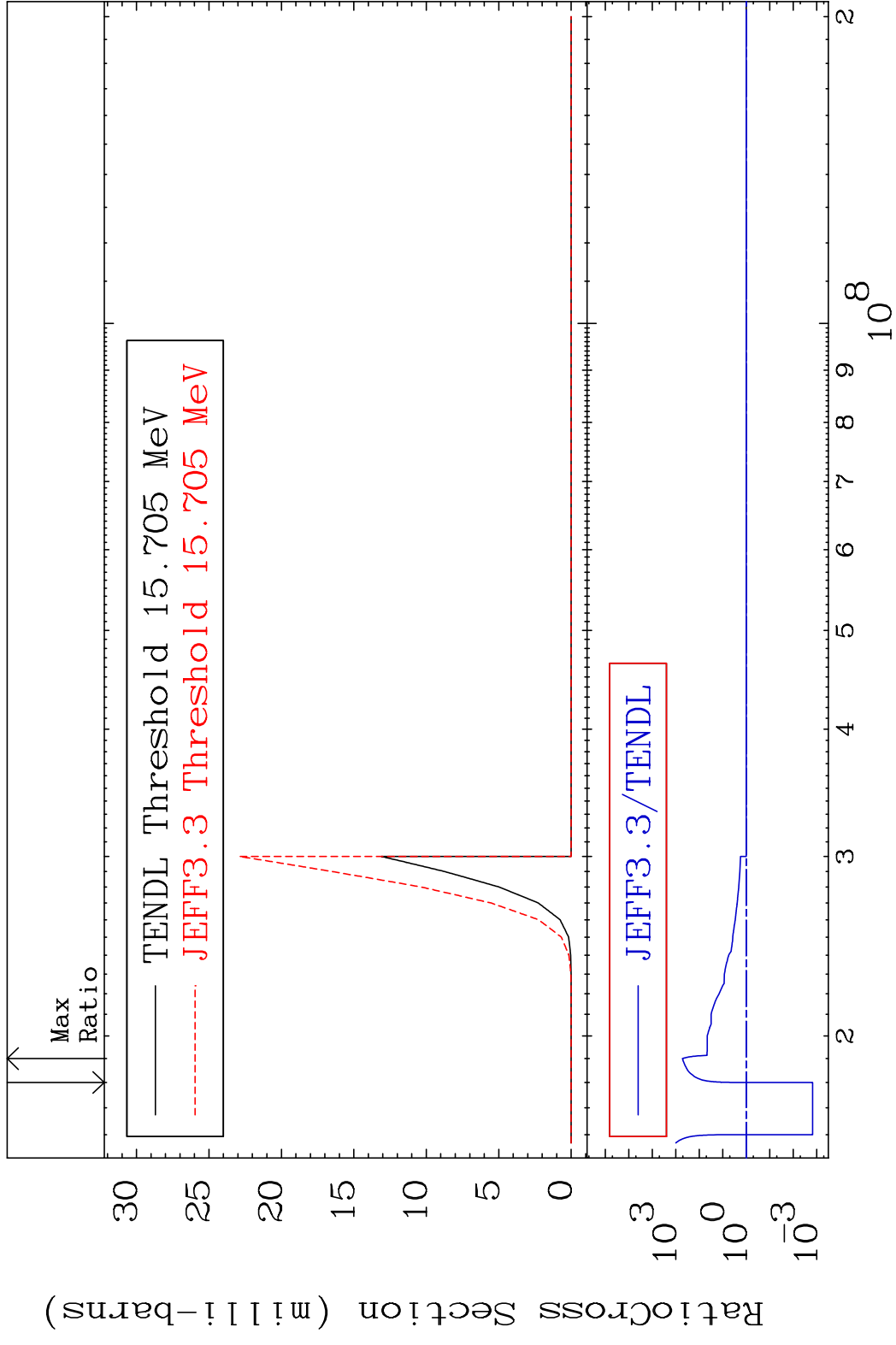
Cross Section 0.000 To 1969. %



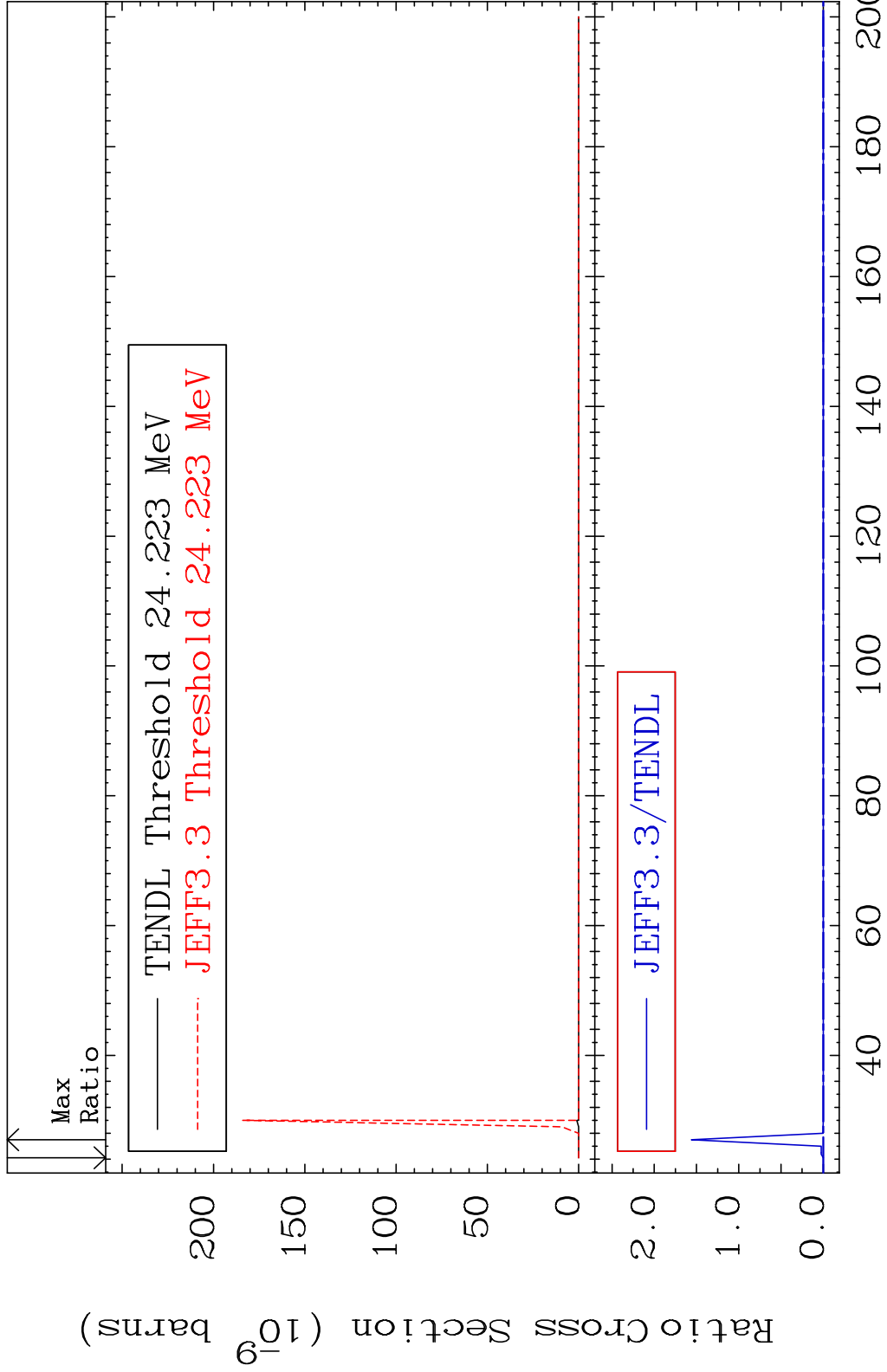
MAT 3519 (n, n') α 35-Br-77
 Cross Section -48.82 To 9999. %



MAT 3519 (n,2n) α 35-Br-77
 Cross Section -99.85 To 9999. %



MAT 3519 (n,3n) α 35-Br-77
 Cross Section -100.0 To 9999. %

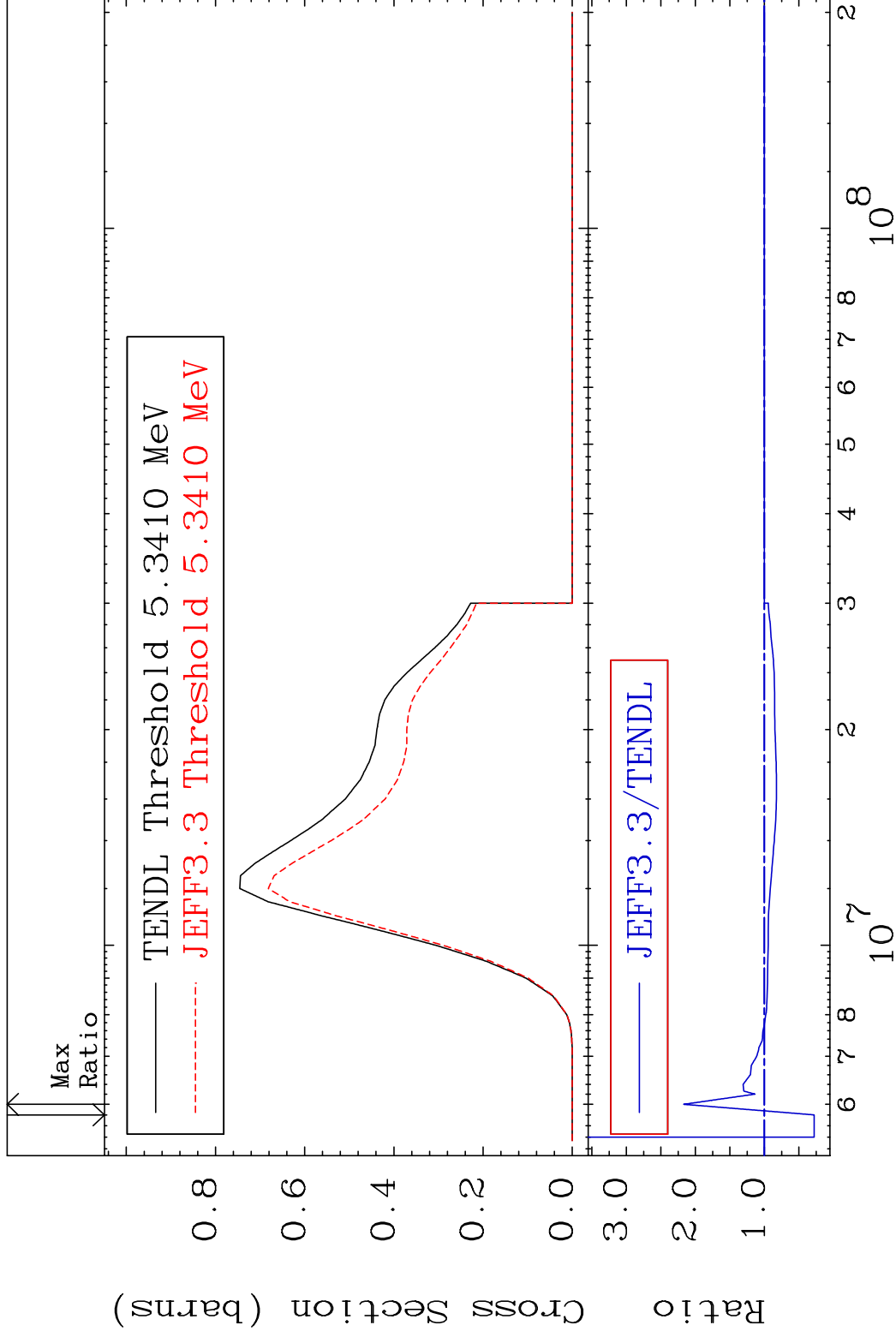


MAT 3519

(n, n') p

35-Br-77

Cross Section -72.10 To 117.0 %



10

Incident Energy (eV)

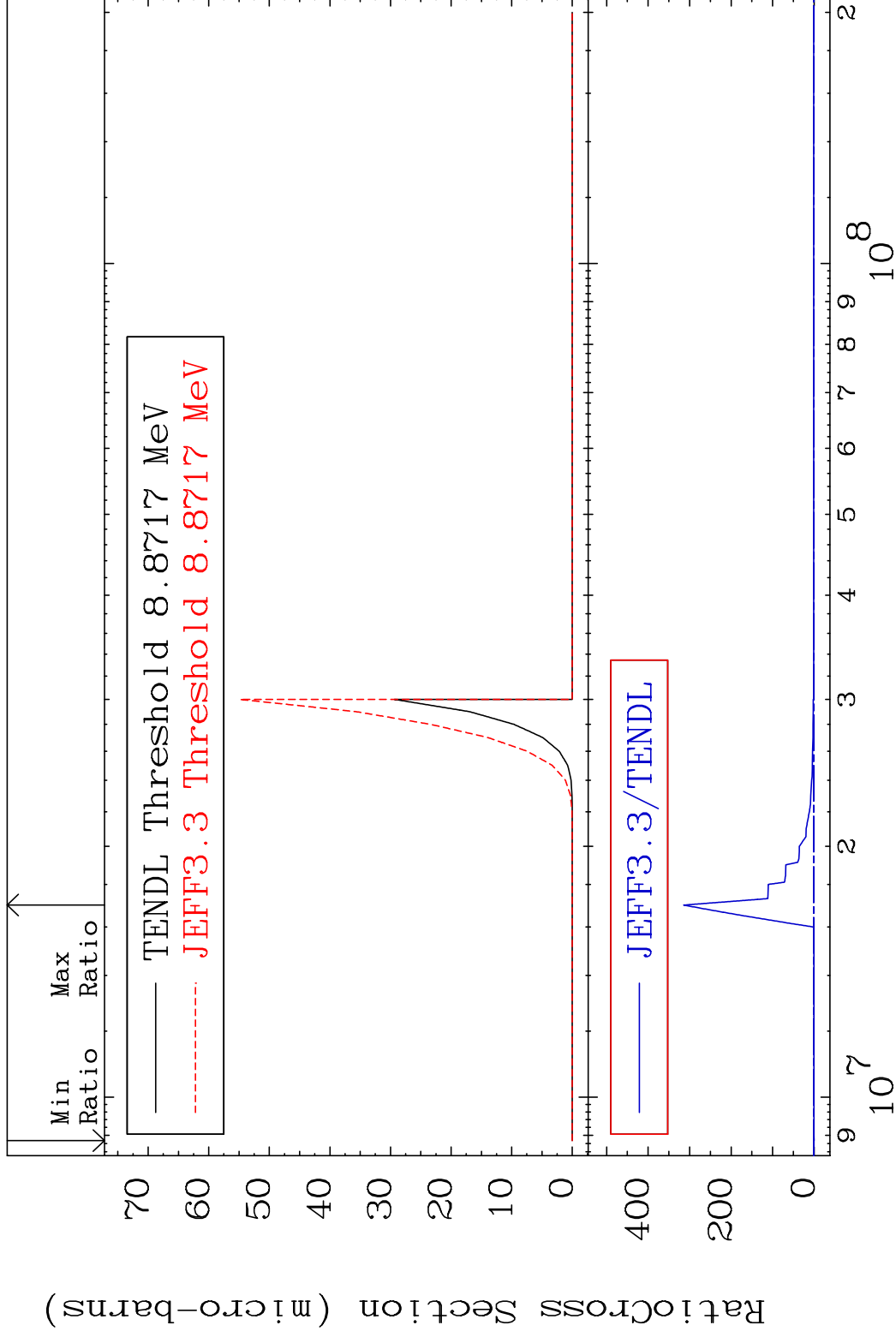
35-Br-77

MAT 3519

(n, n') 2α

35-Br-77

Cross Section -100.0 To 9999. %

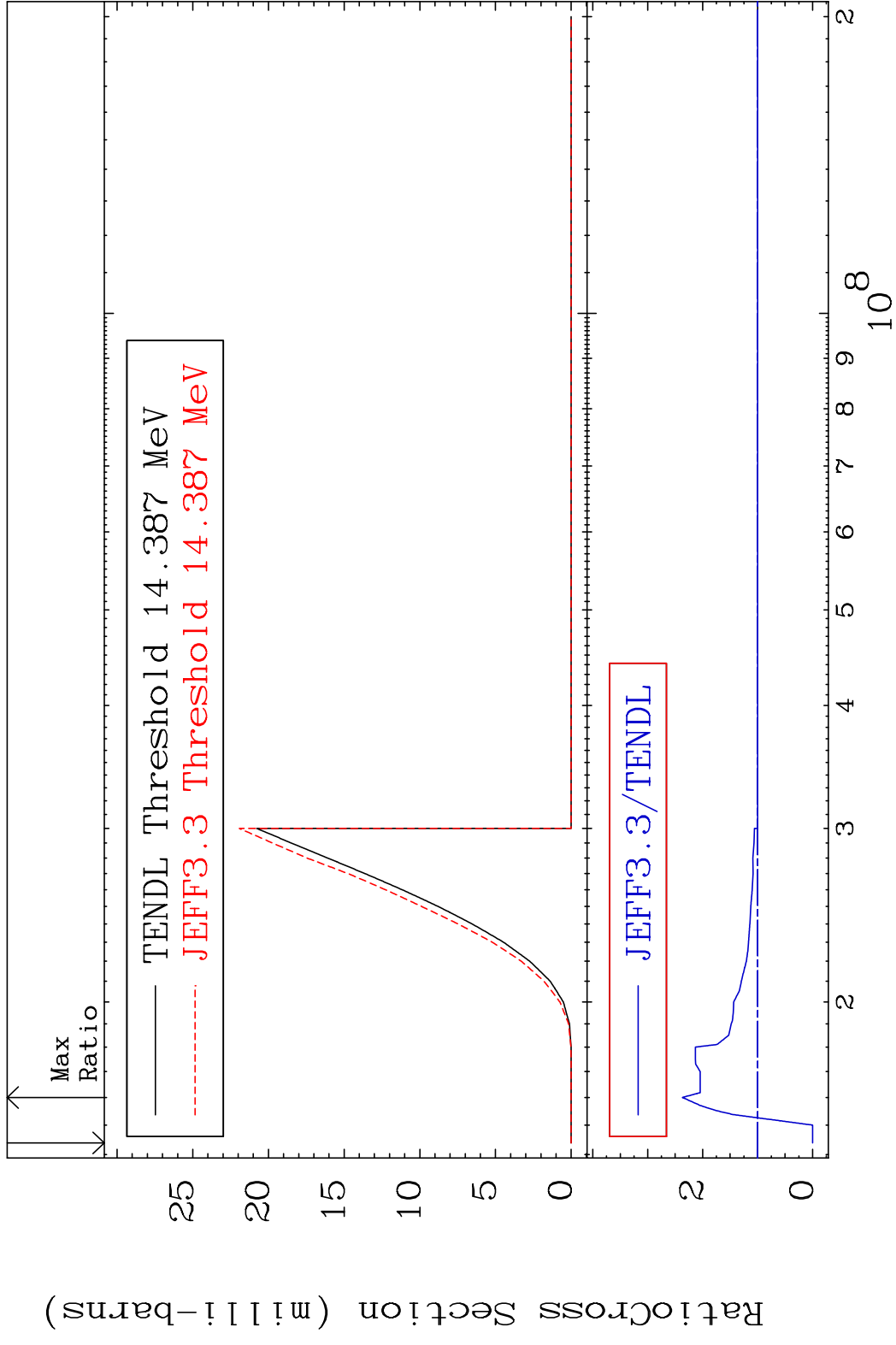


11

Incident Energy (eV)

35-Br-77

MAT 3519 (n, n') d 35-Br-77
 Cross Section -100.0 To 137.0 %



MAT 3519

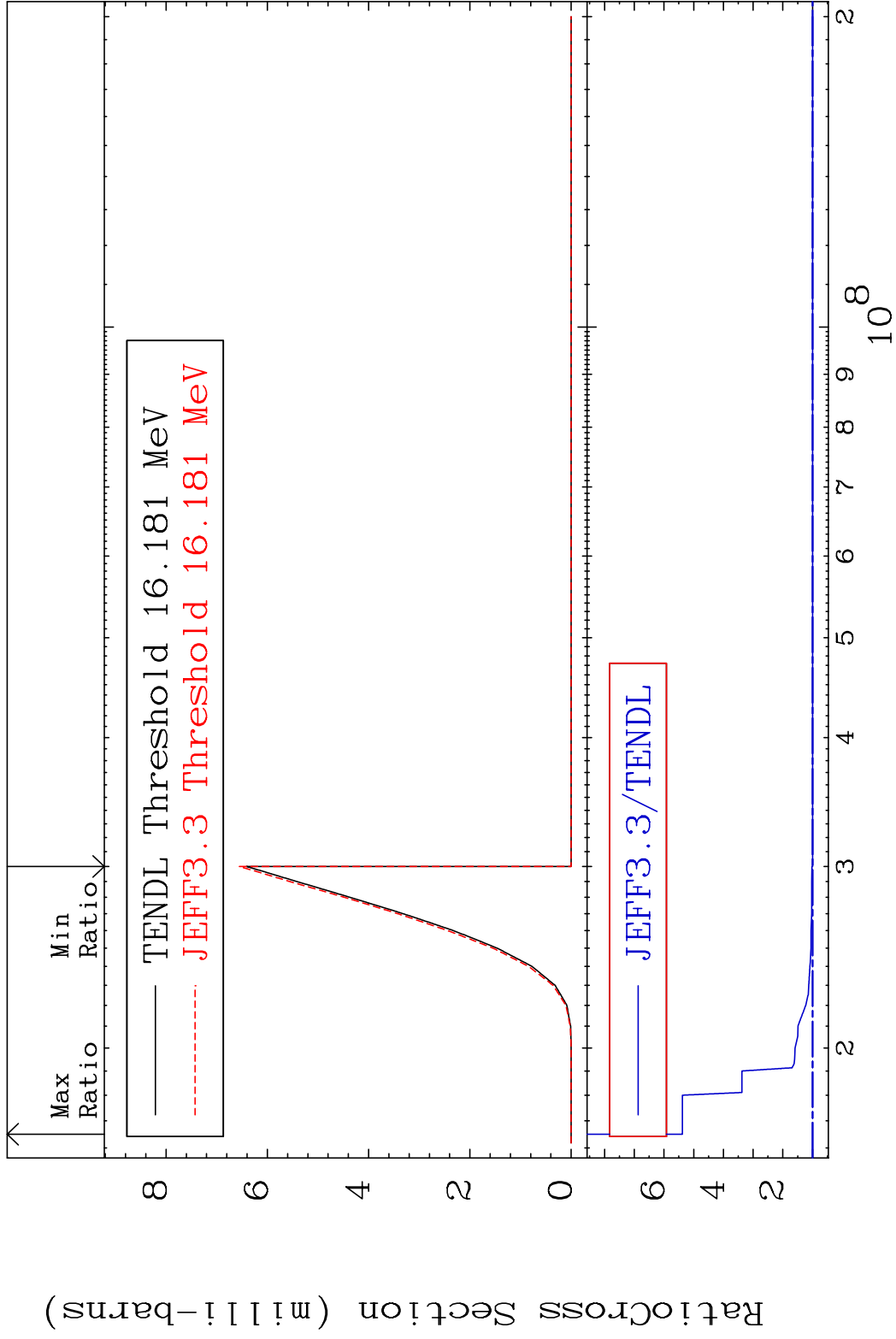
(n, n') t

35-Br-77

Cross Section

0.000

To 438.1 %

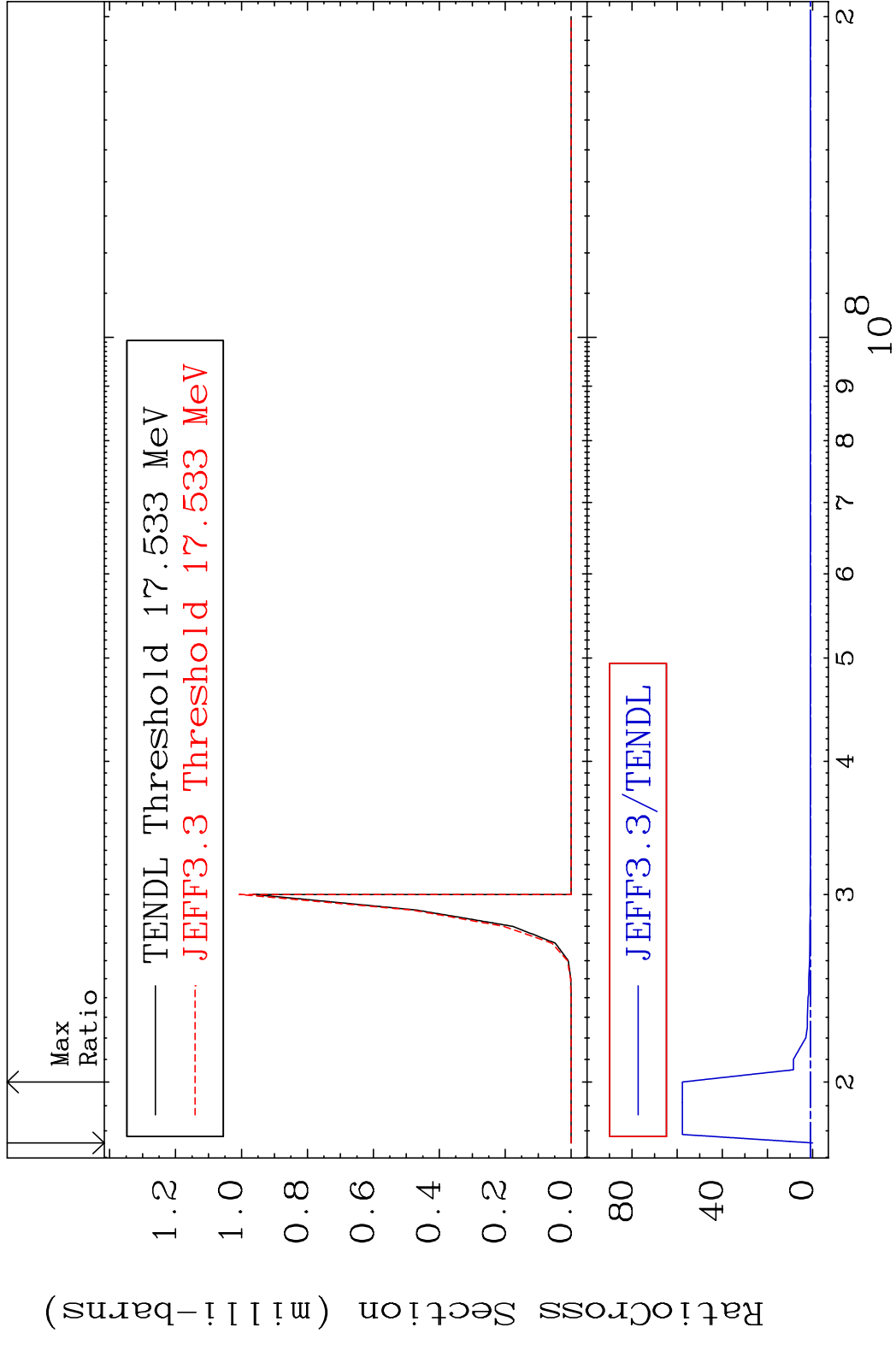


MAT 3519

(n,n') He-3

35-Br-77

Cross Section -100.0 To 5672. %



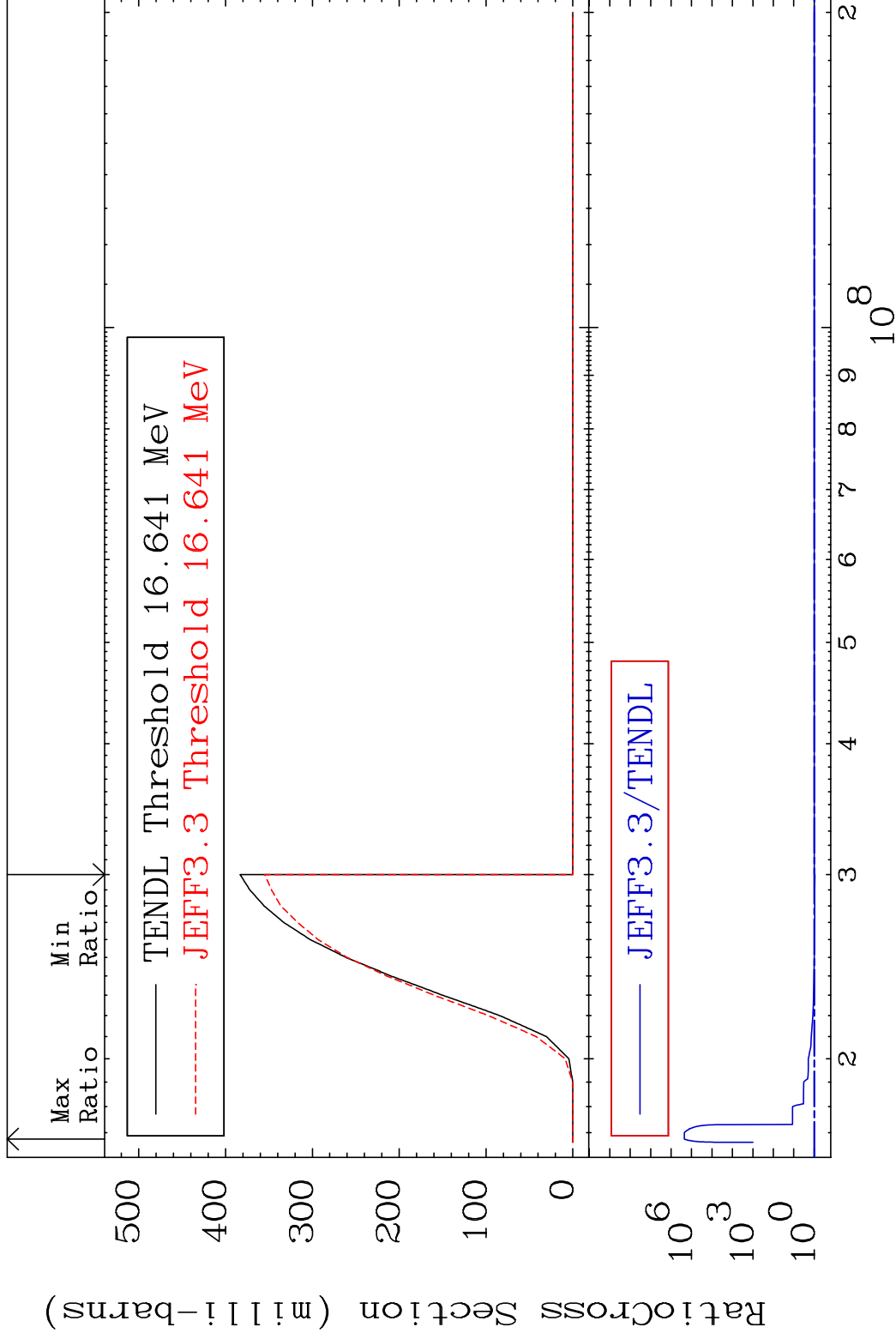
MAT 3519

(n,2n) p

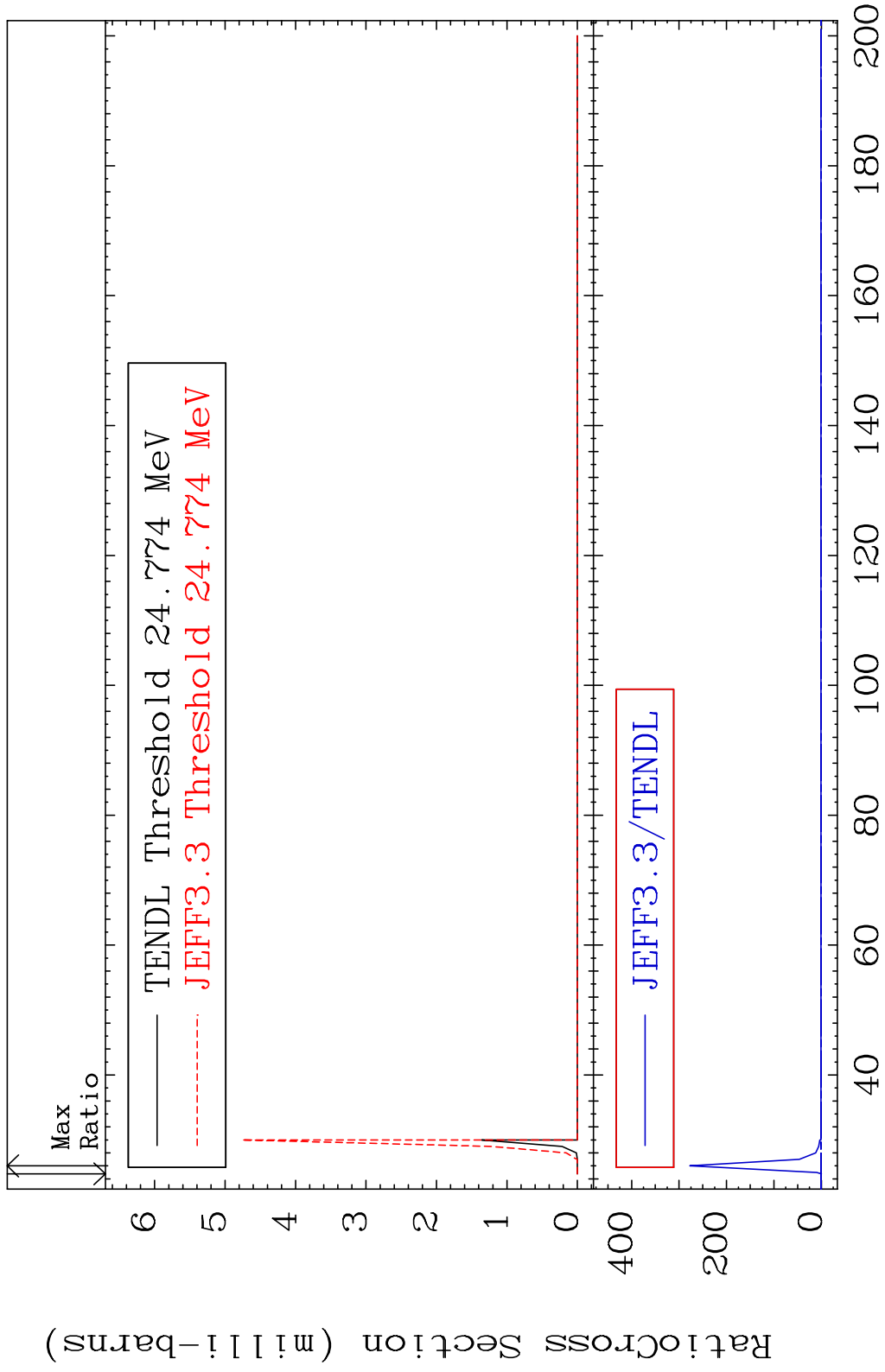
35-Br-77

Cross Section

-7.396 To 9999. %



MAT 3519 (n,3n) p 35-Br-77
 Cross Section -100.0 To 9999. %

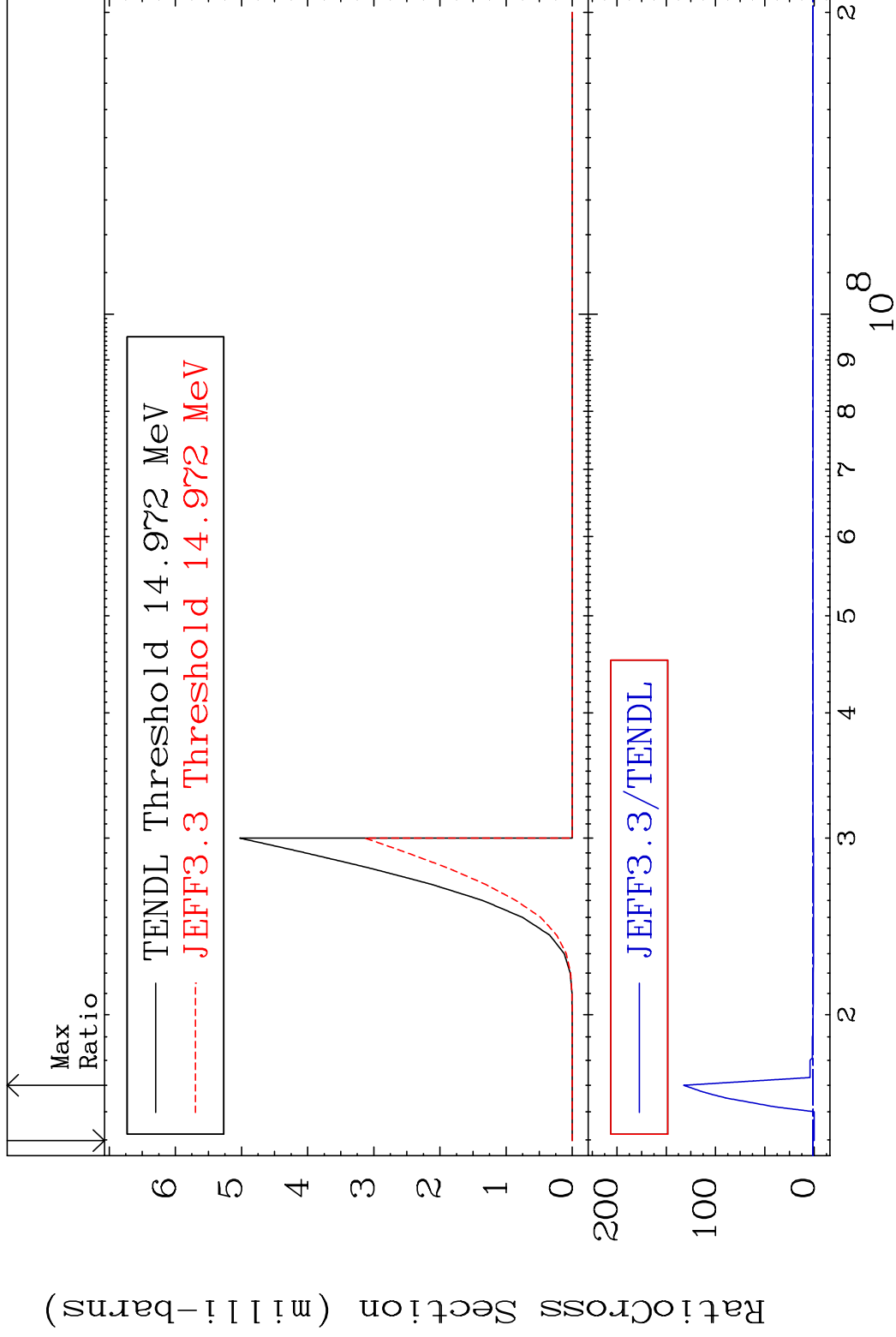


MAT 3519

(n,2n) p

35-Br-77

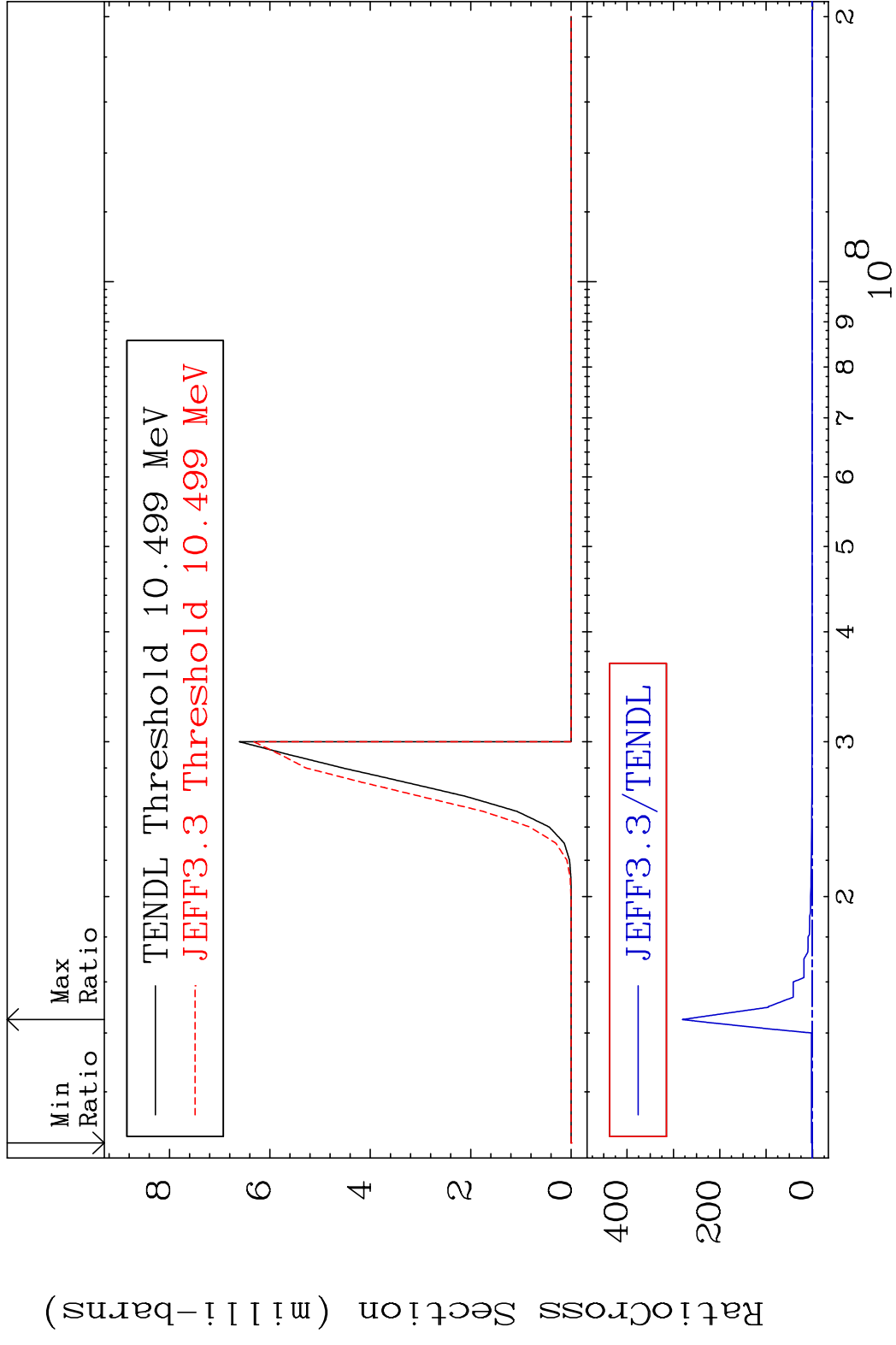
Cross Section -100.0 To 9999. %



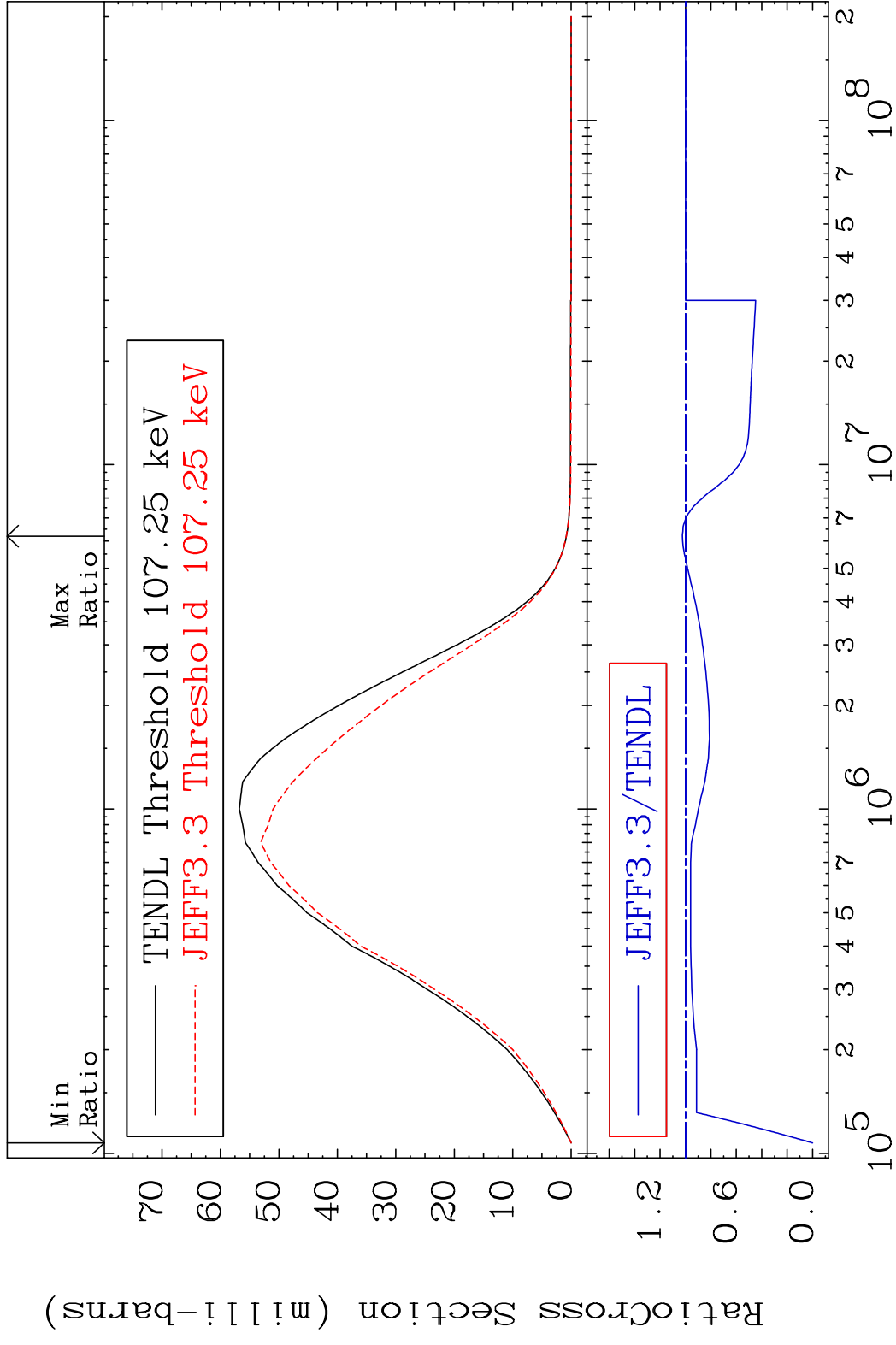
MAT 3519

(n, n') p α 35-Br-77

Cross Section -100.0 To 9999. %

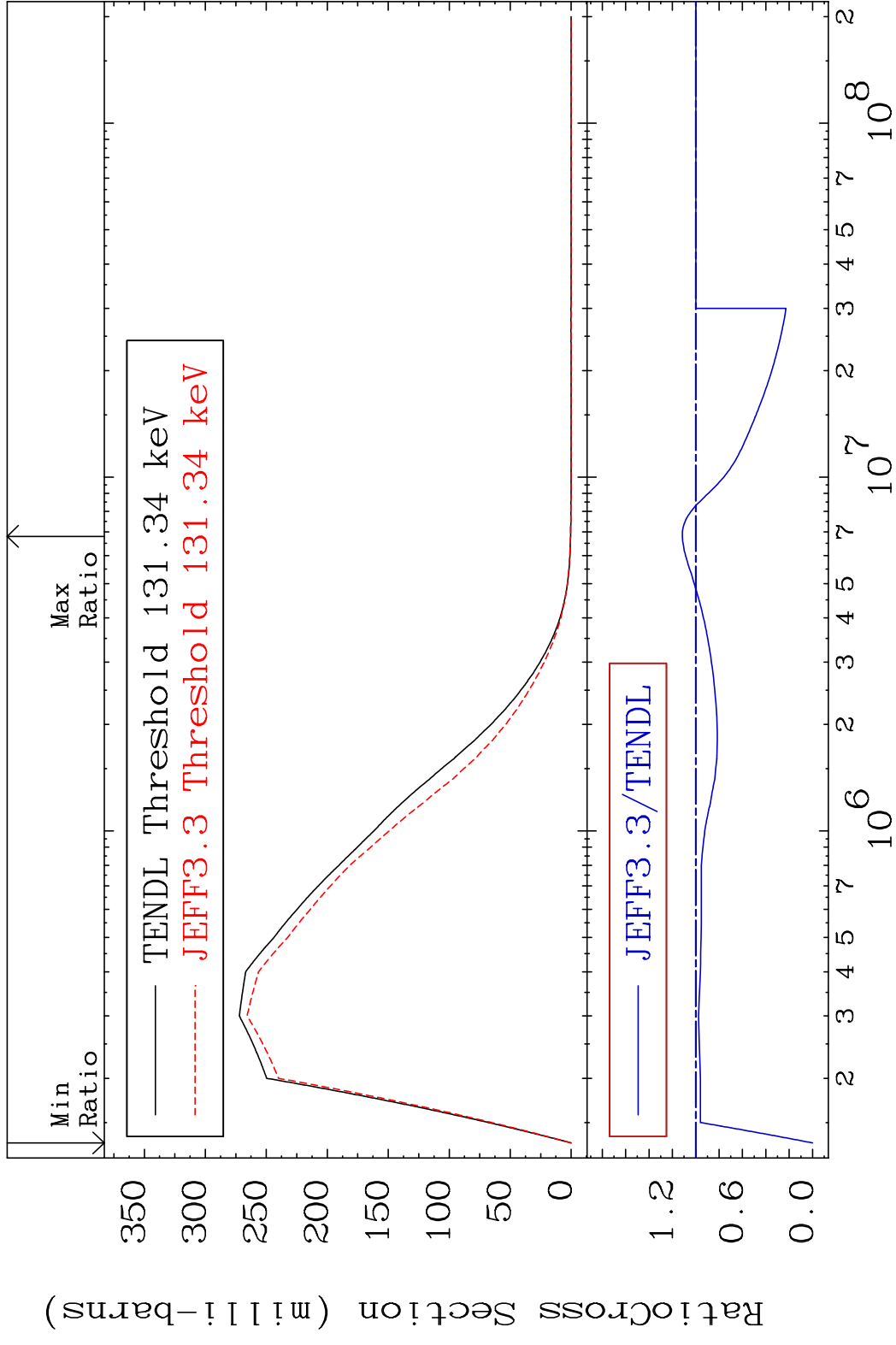


MAT 3519 MT= 51 (n, n') Level 35-Br-77
 Cross Section -100.0 To 2.461 %

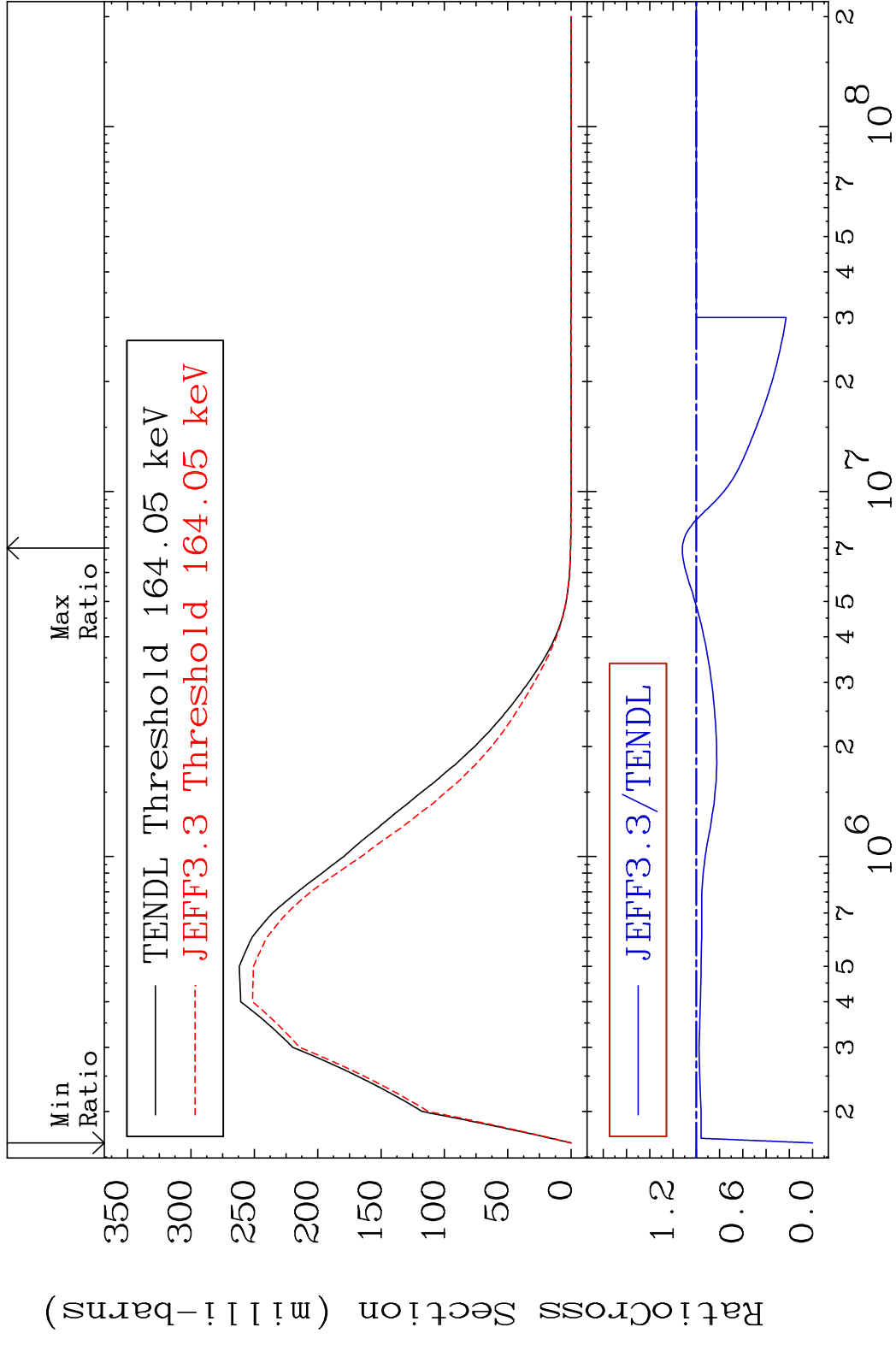


19 35-Br-77

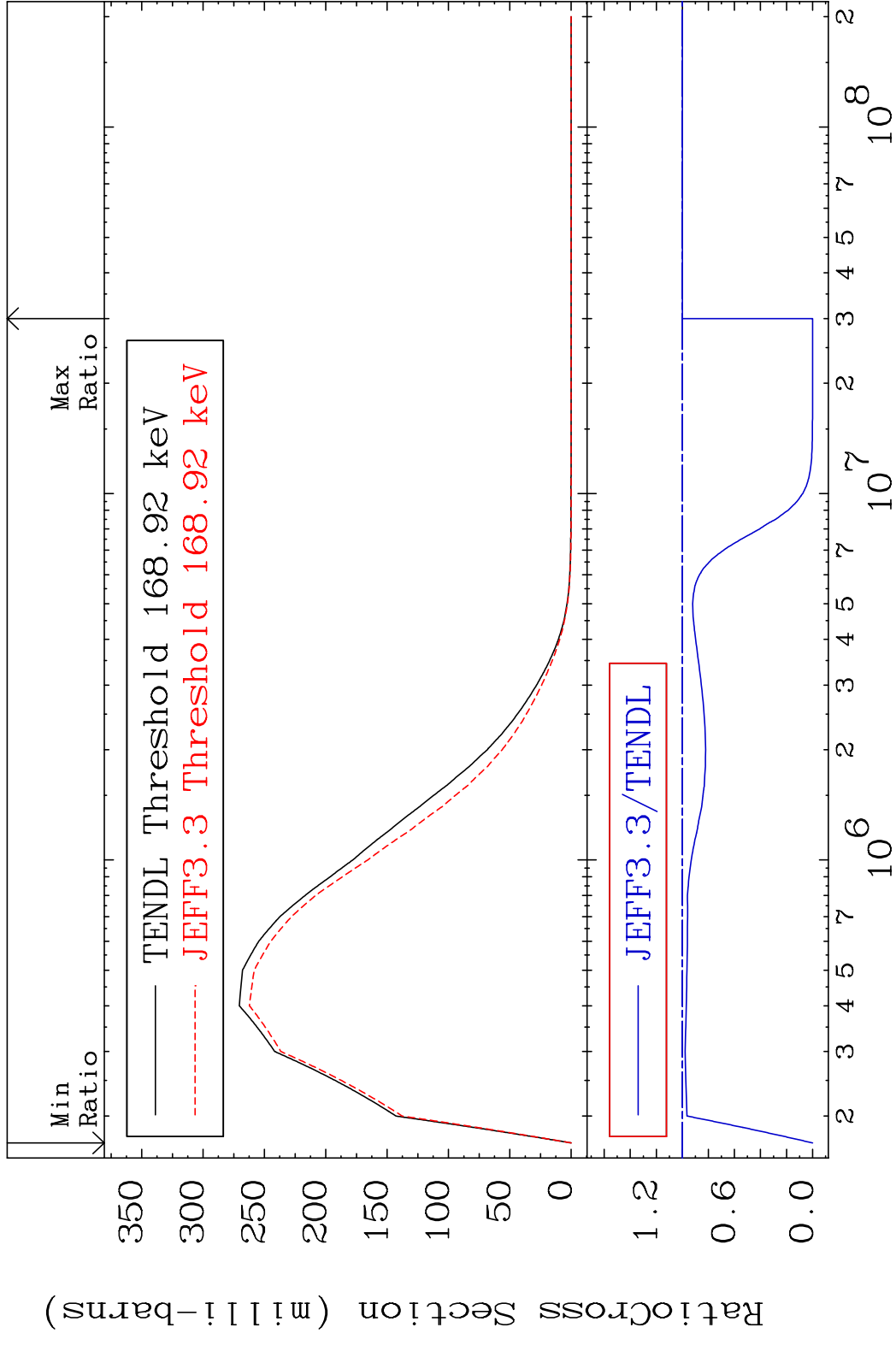
MAT 3519 MT= 52 (n, n') Level 35-Br-77
 Cross Section -100.0 To 11.46 %



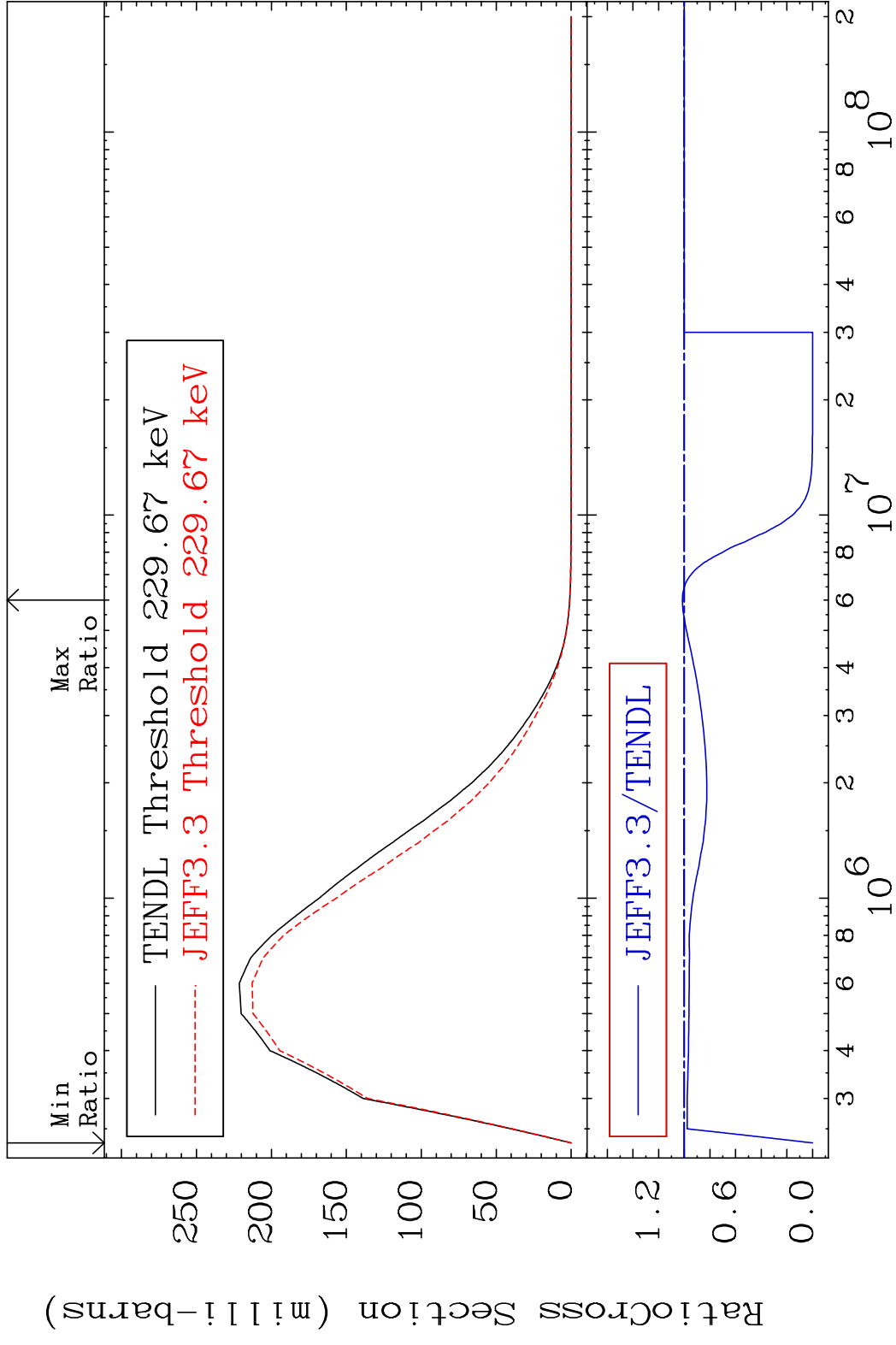
MAT 3519 MT= 53 (n, n') Level 35-Br-77
 Cross Section -100.0 To 11.92 %



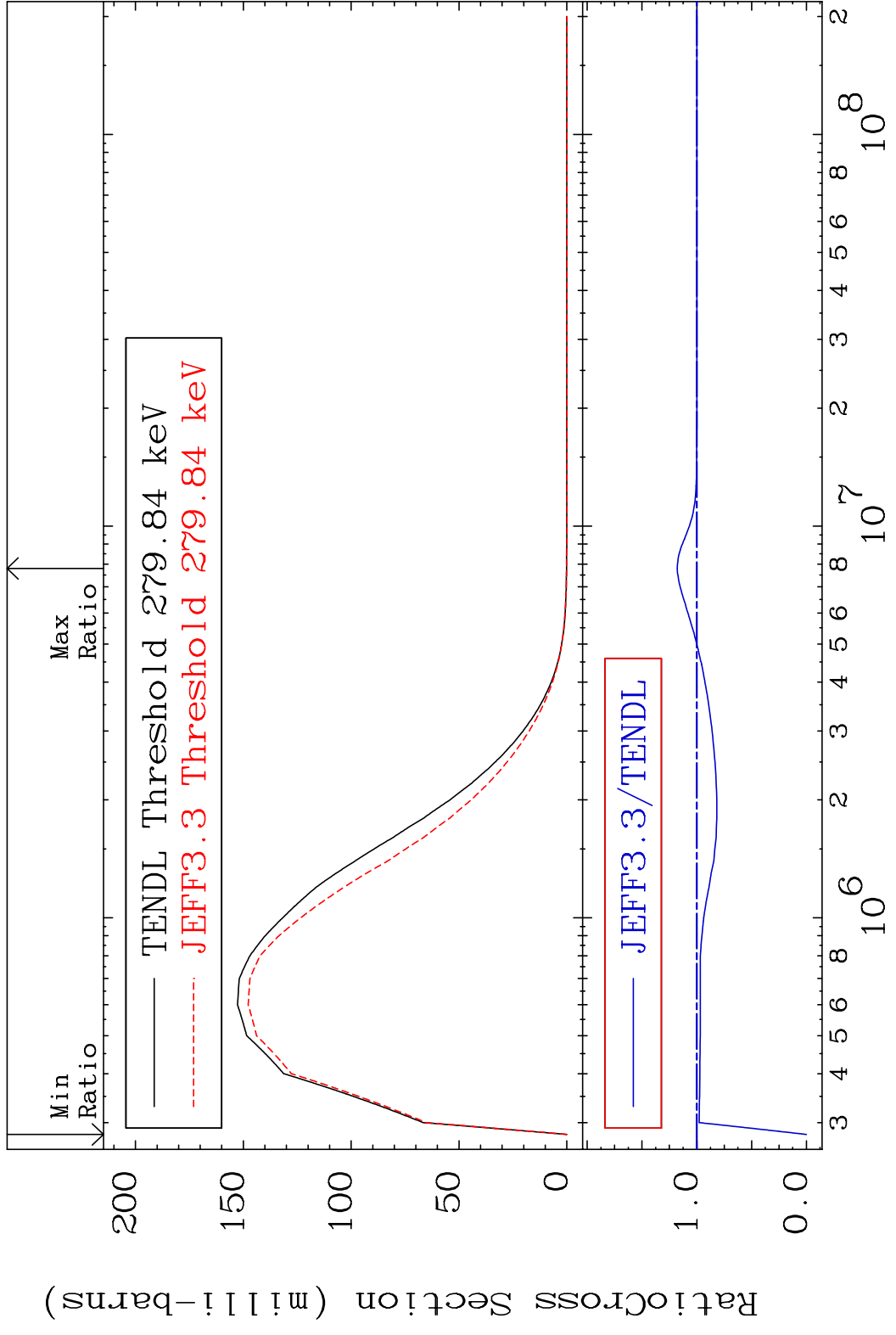
MAT 3519 MT= 54 (n,n') Level 35-Br-77
 Cross Section -100.0 To 0.000 %



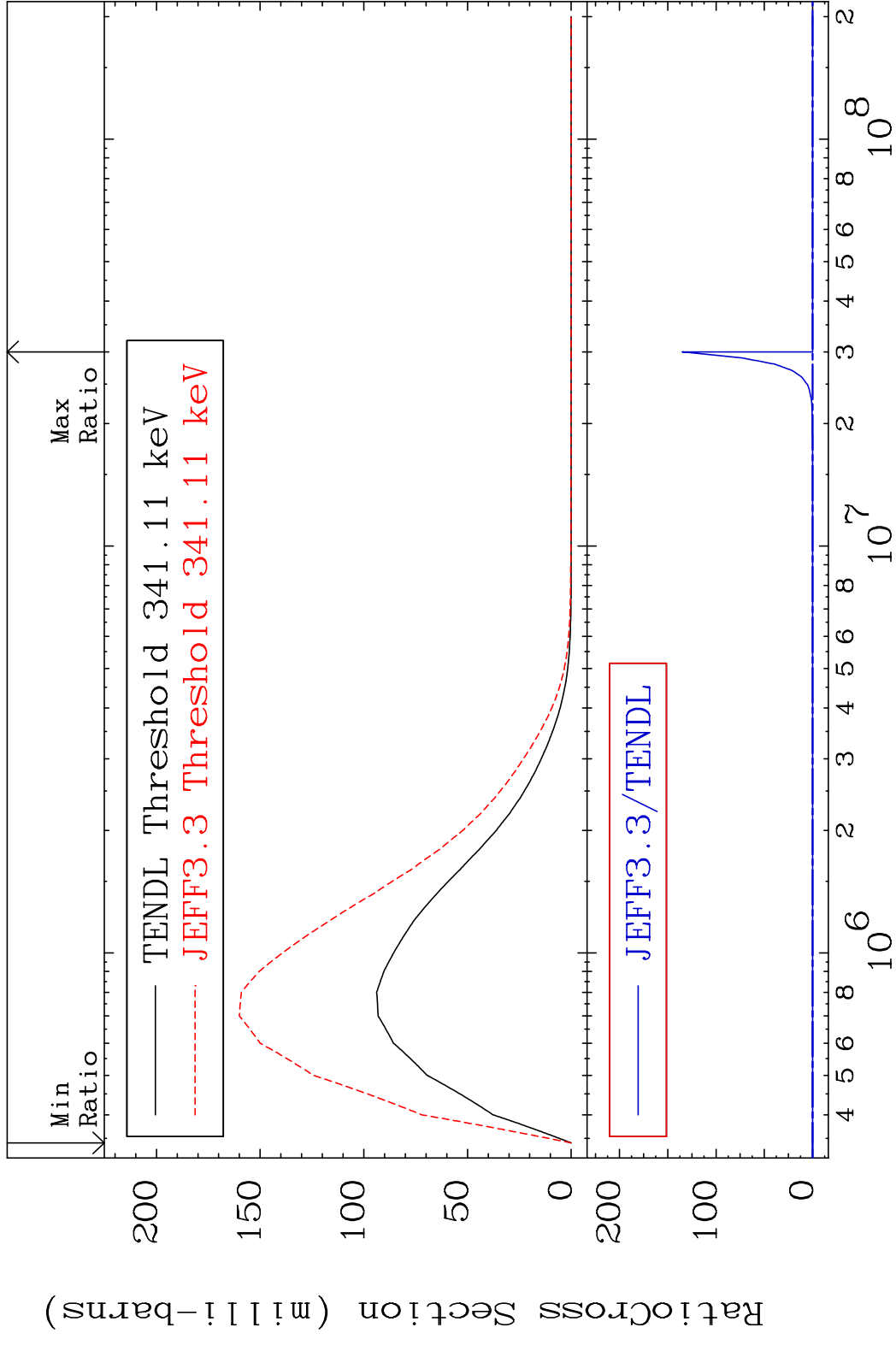
MAT 3519 MT= 55 (n, n') Level 35-Br-77
 Cross Section -100.0 To 1.523 %



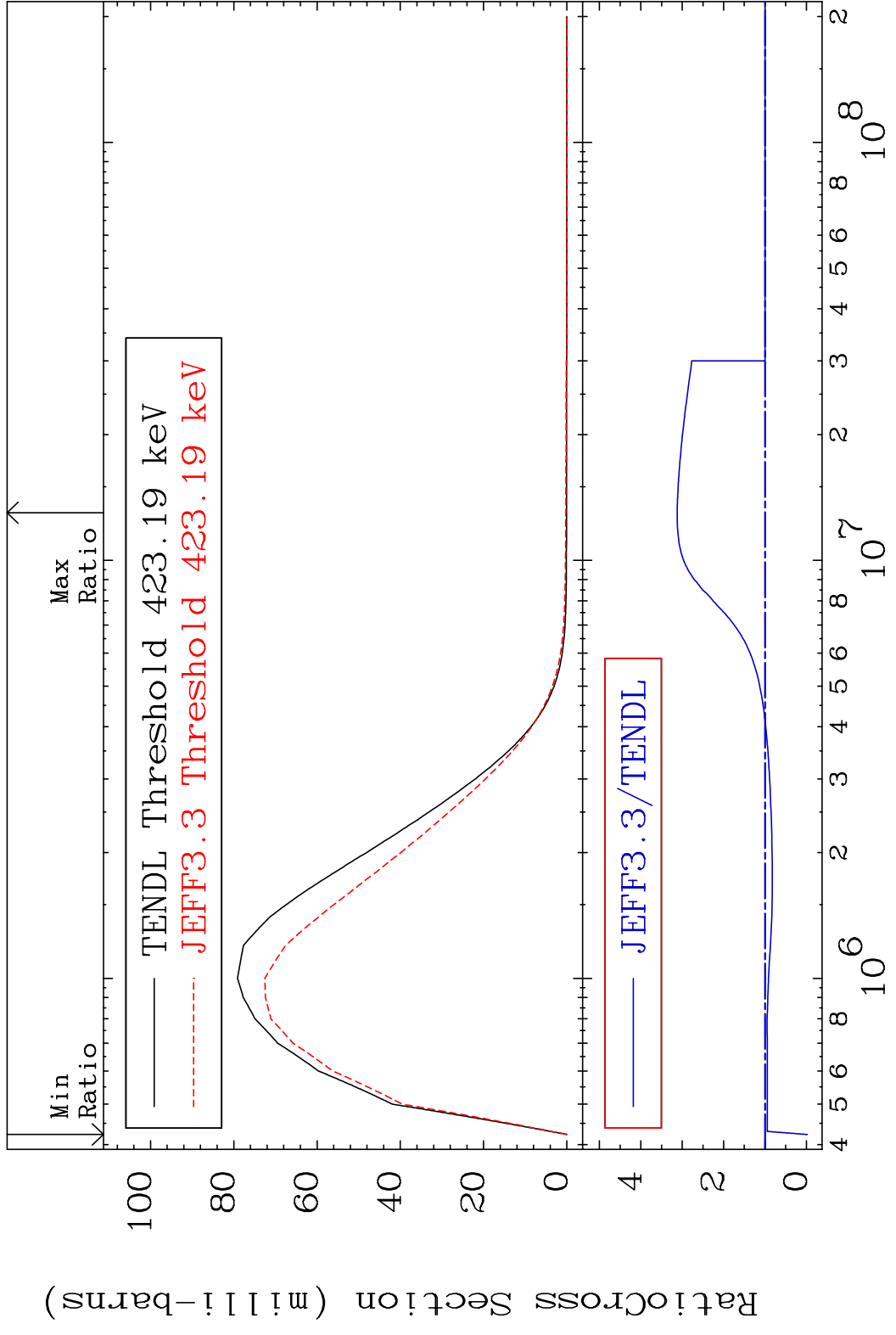
MAT 3519 MT= 56 (n, n') Level 35-Br-77
 Cross Section -100.0 To 17.90 %



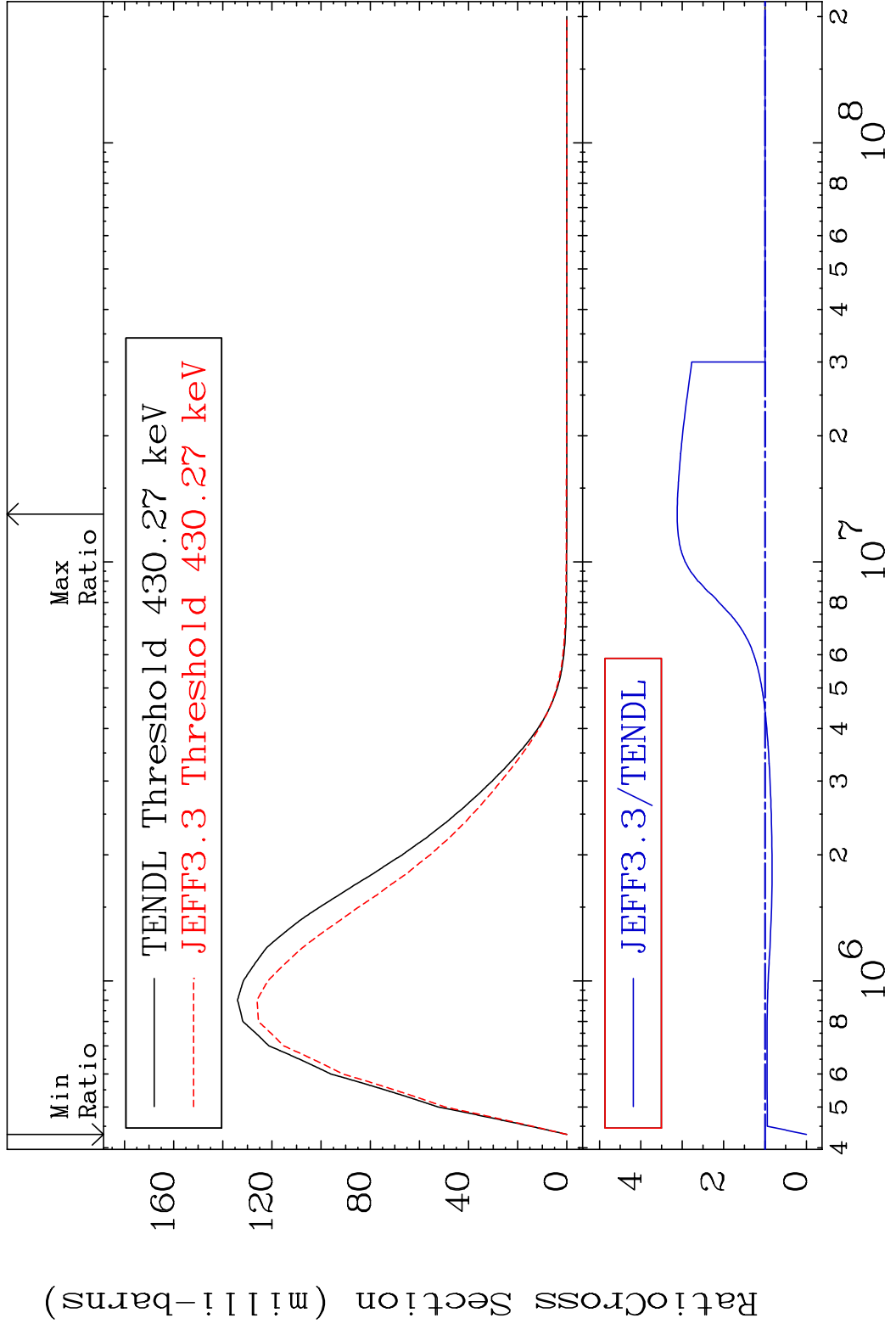
MAT 3519 MT= 57 (n, n') Level 35-Br-77
 Cross Section -100.0 To 9999. %



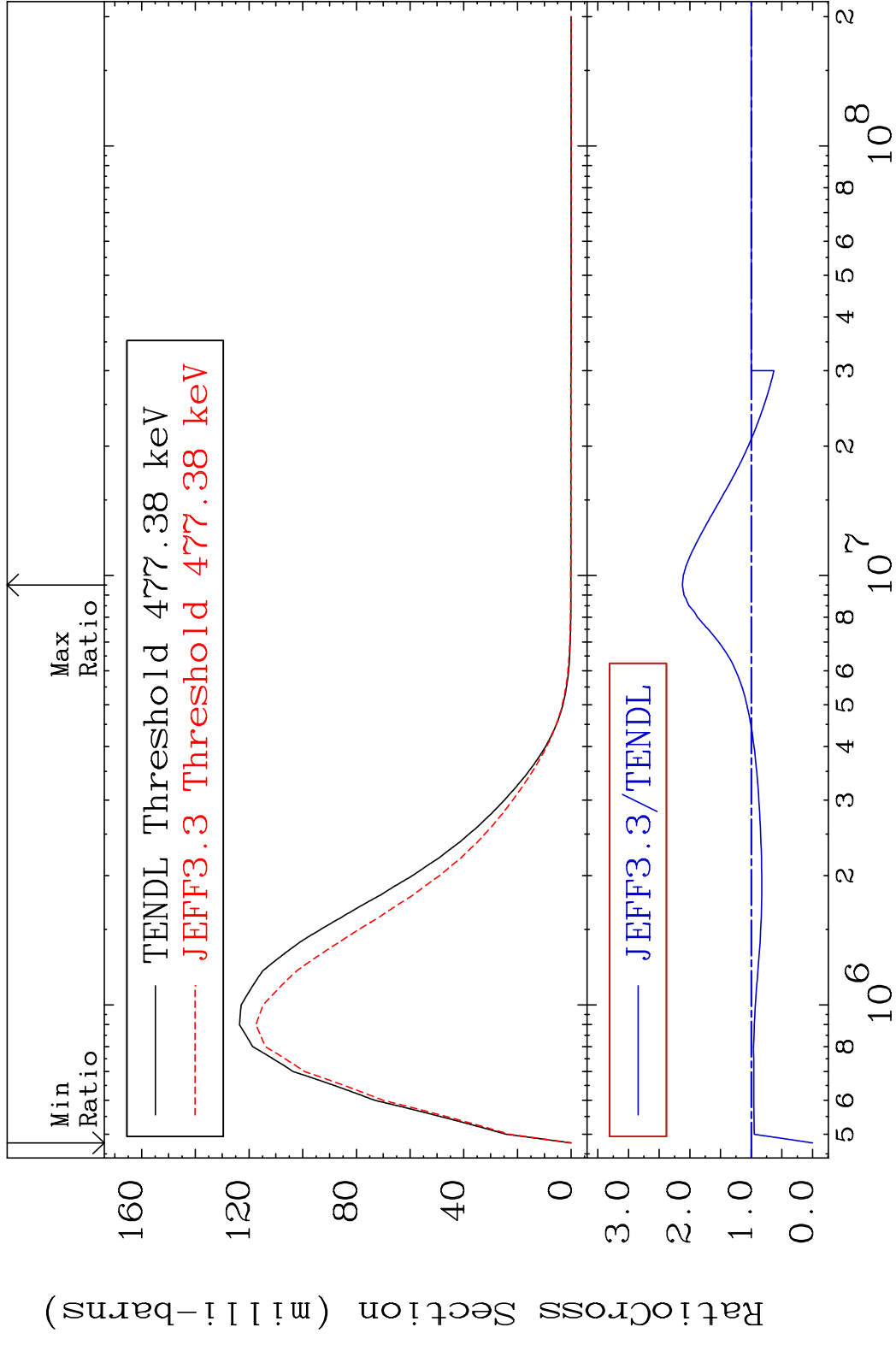
MAT 3519 MT= 58 (n, n') Level 35-Br-77
 Cross Section -100.0 To 212.2 %



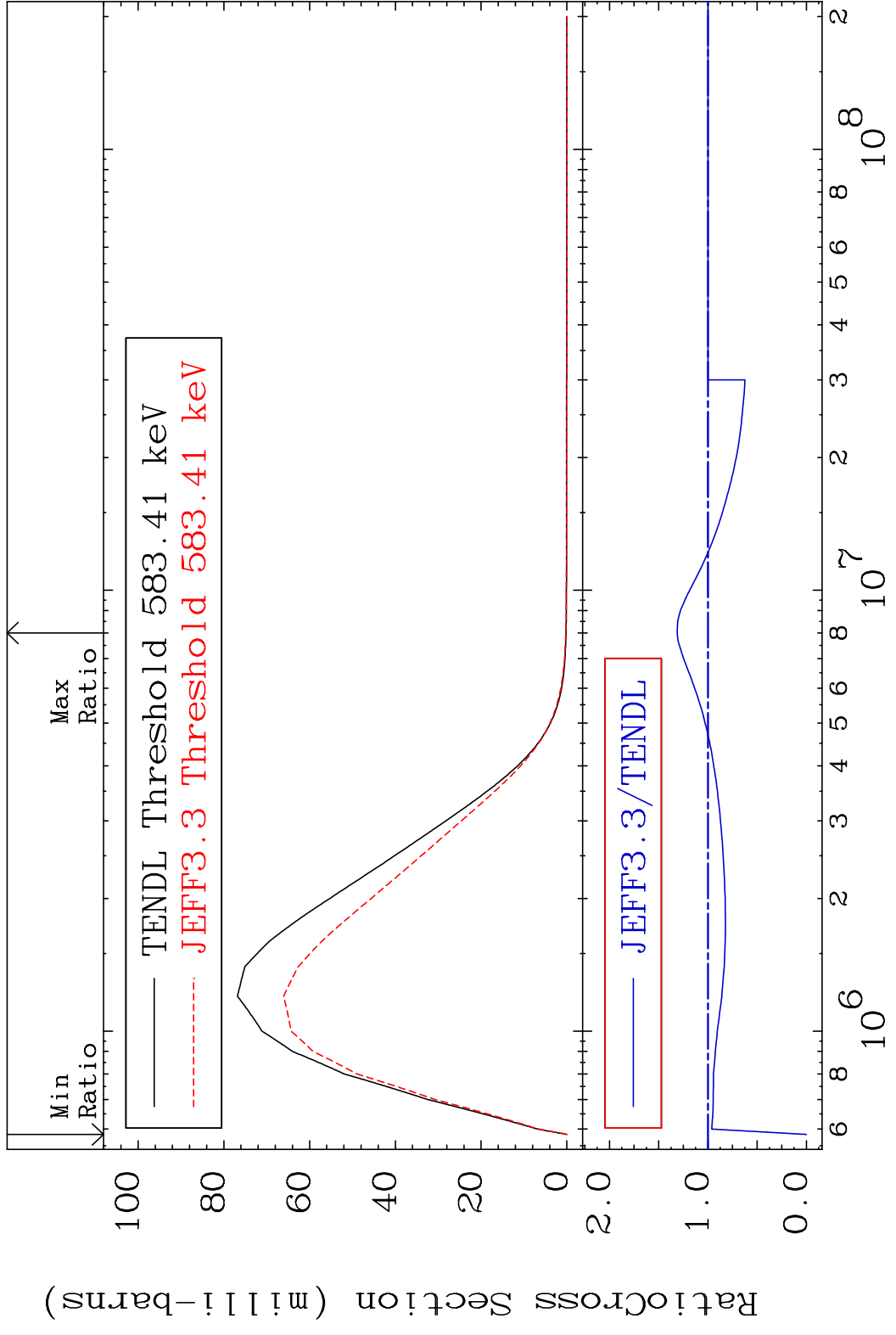
MAT 3519 MT= 59 (n, n') Level 35-Br-77
 Cross Section -100.0 To 212.2 %



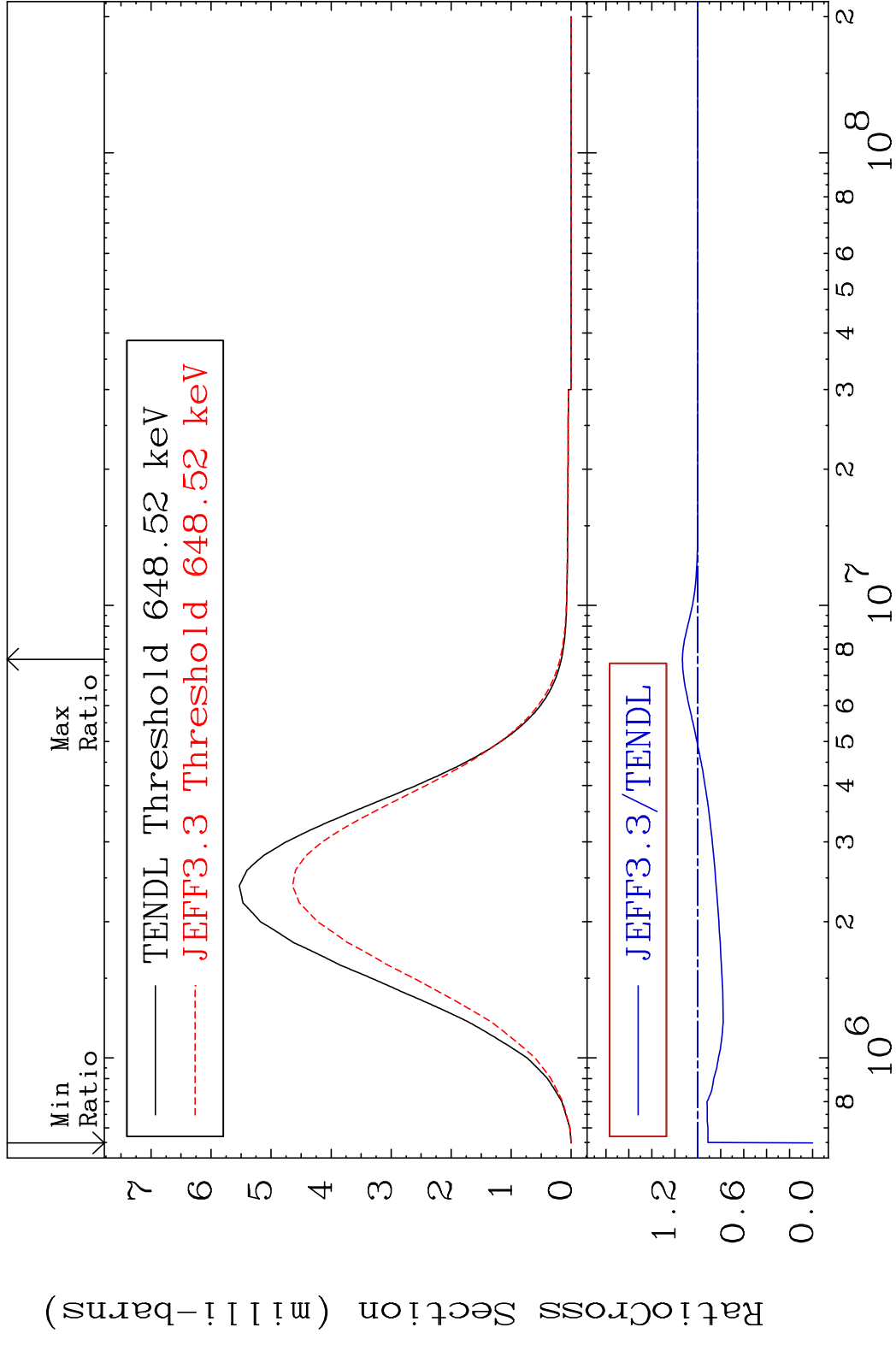
MAT 3519 MT= 60 (n, n') Level 35-Br-77
 Cross Section -100.0 To 112.3 %



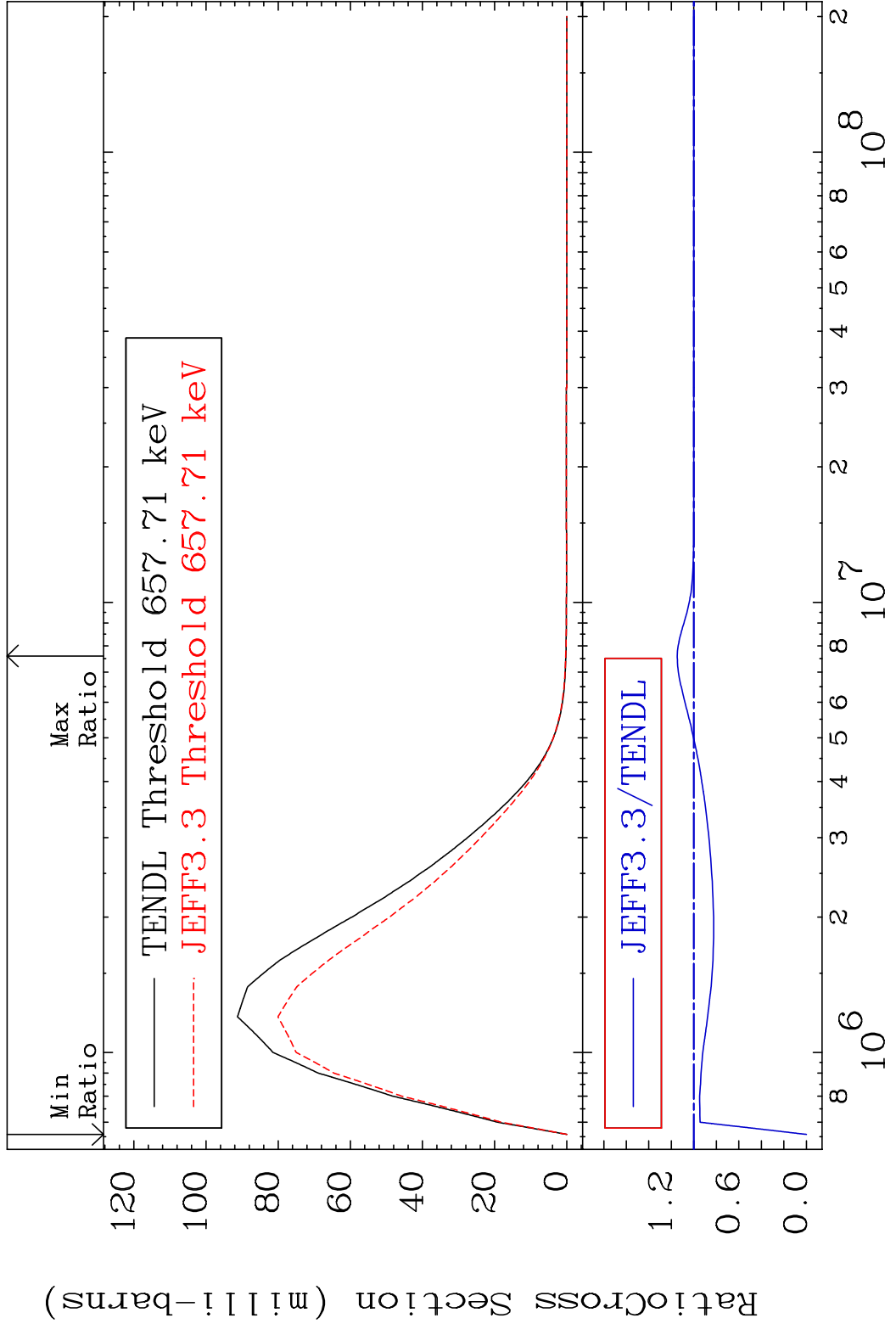
MAT 3519 MT= 61 (n, n') Level 35-Br-77
 Cross Section -100.0 To 31.22 %



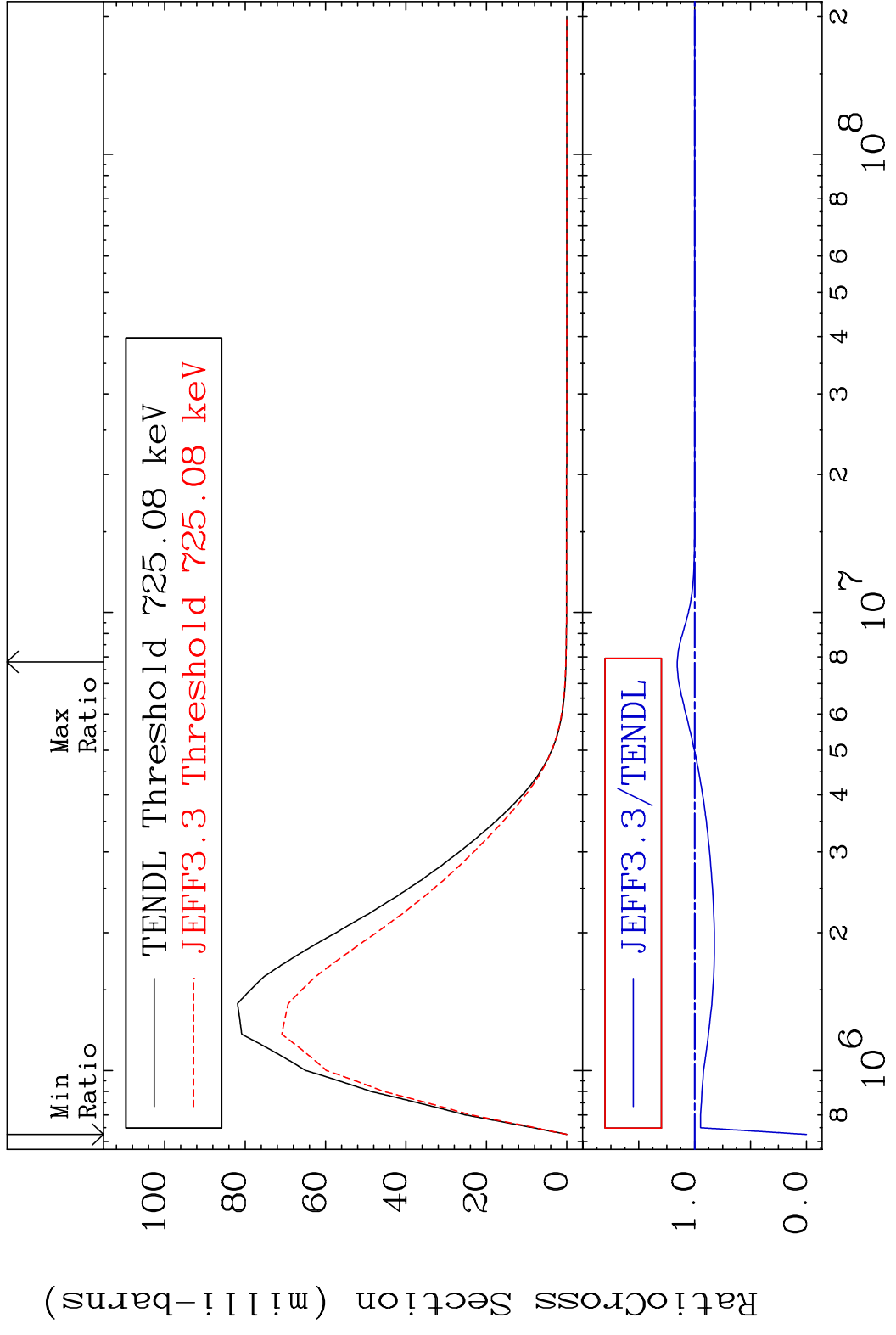
MAT 3519 MT= 62 (n, n') Level 35-Br-77
 Cross Section -100.0 To 13.43 %



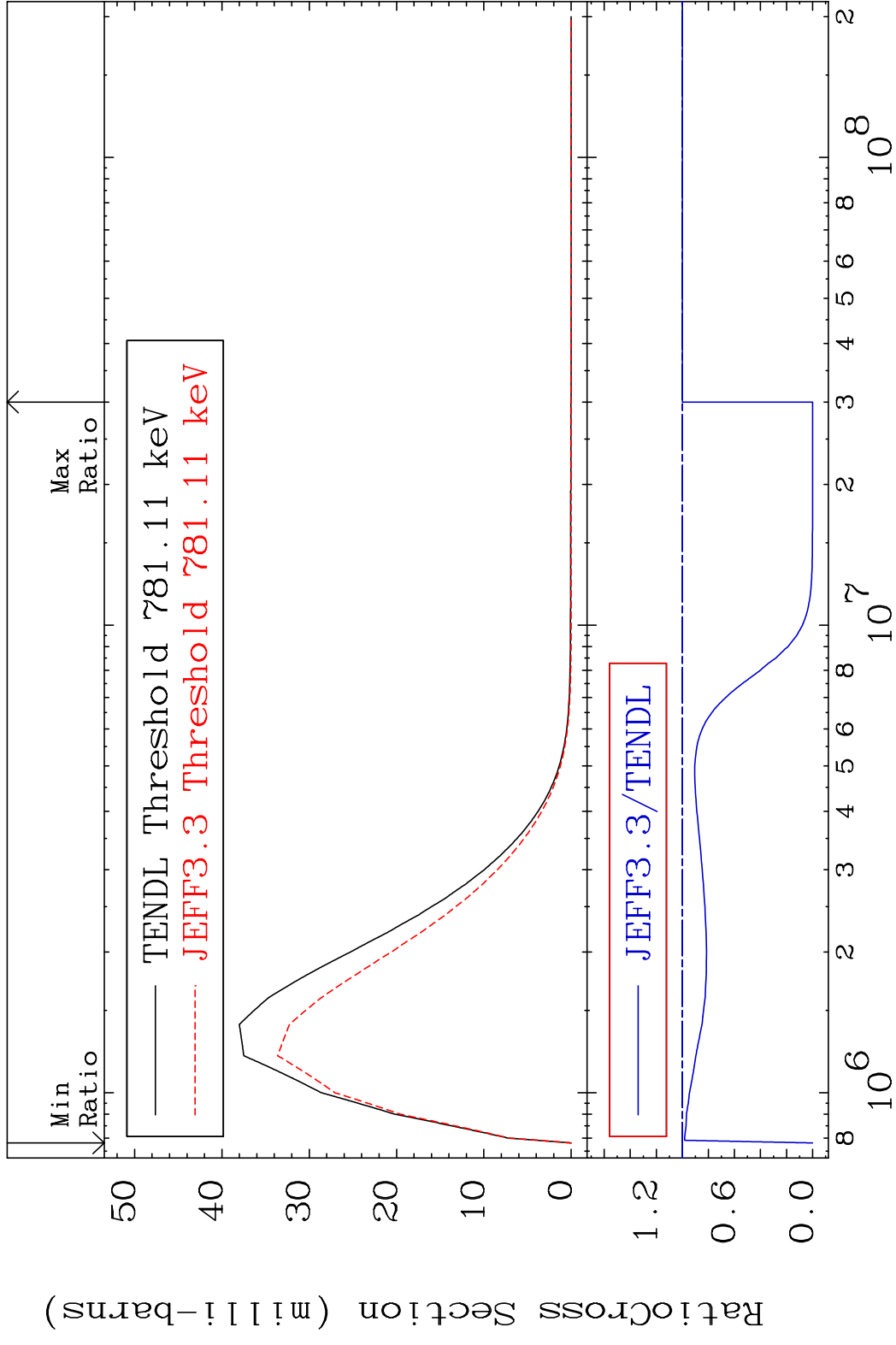
MAT 3519 MT= 63 (n, n') Level 35-Br-77
 Cross Section -100.0 To 14.79 %



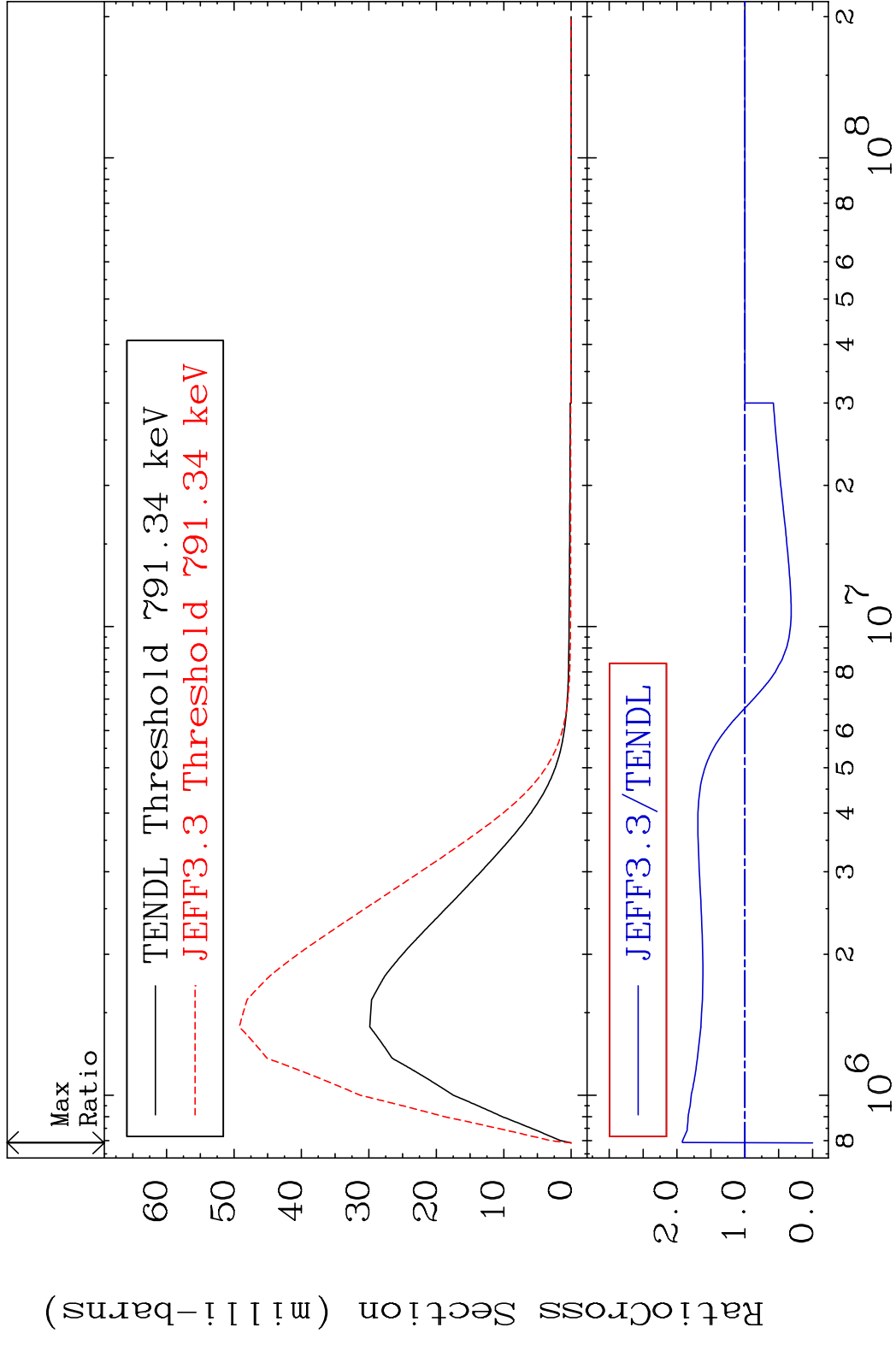
MAT 3519 MT= 64 (n, n') Level 35-Br-77
 Cross Section -100.0 To 15.67 %



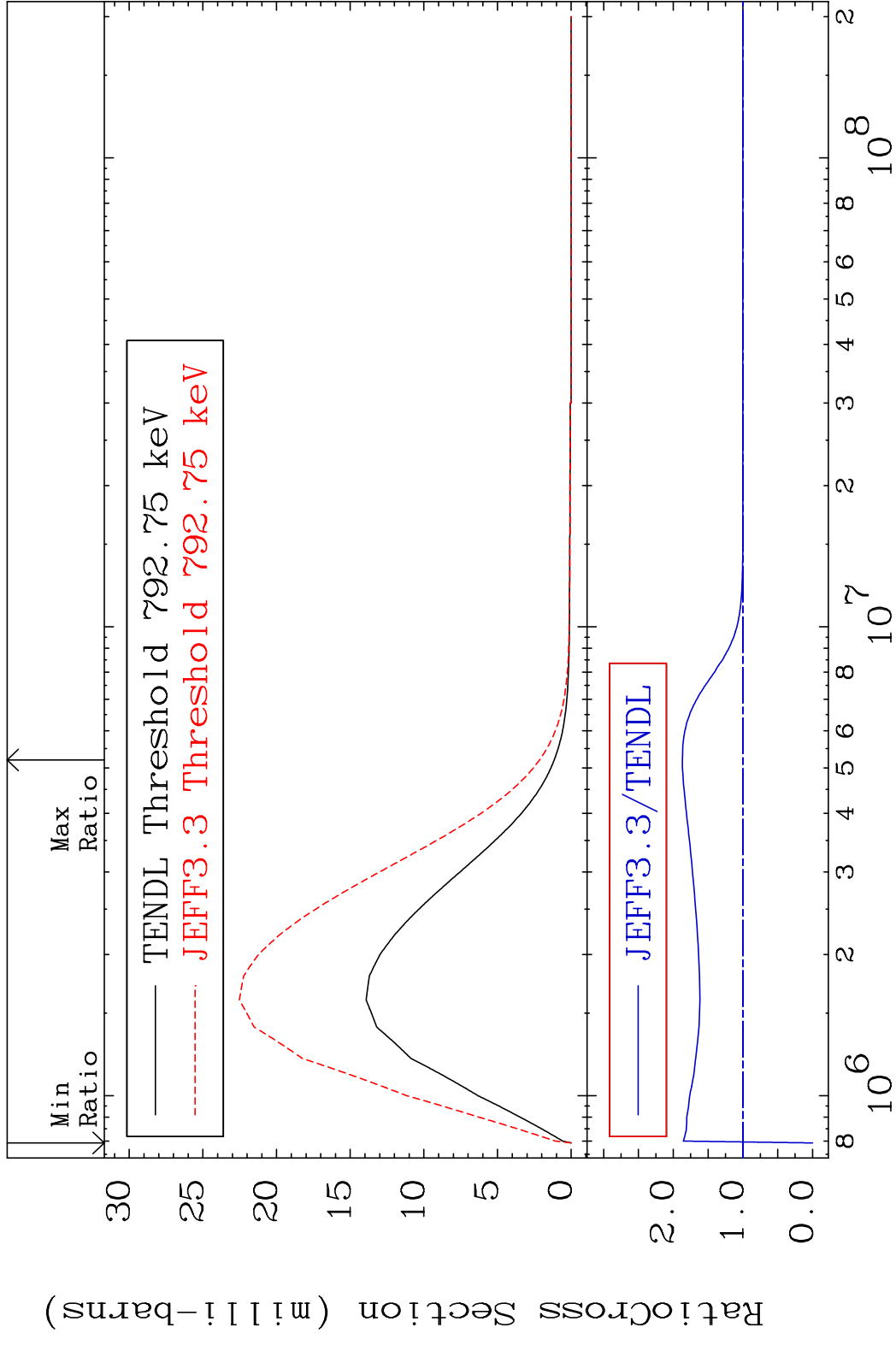
MAT 3519 MT= 65 (n, n') Level 35-Br-77
 Cross Section -100.0 To 0.000 %



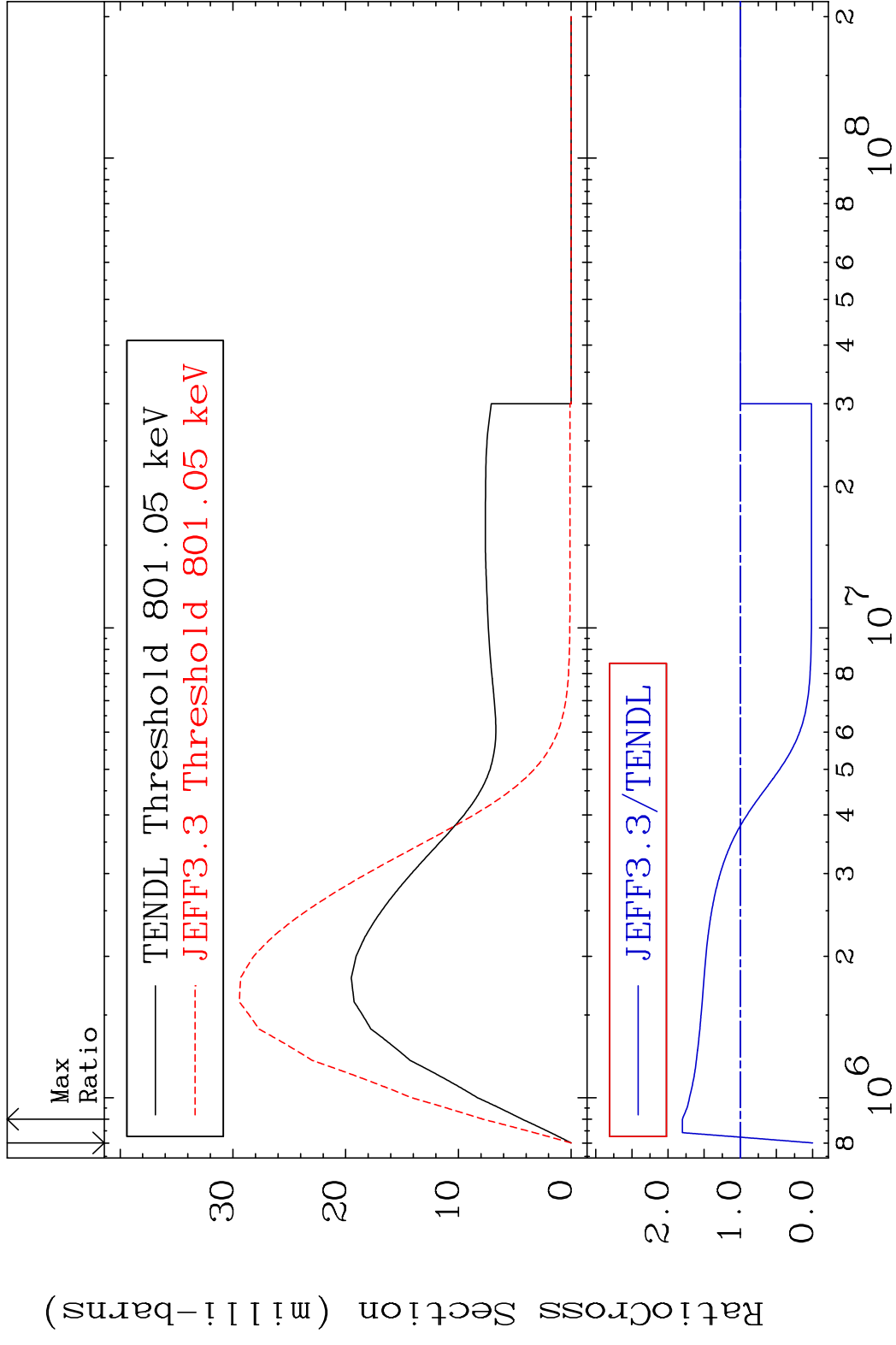
MAT 3519 MT= 66 (n,n') Level 35-Br-77
 Cross Section -100.0 To 92.07 %



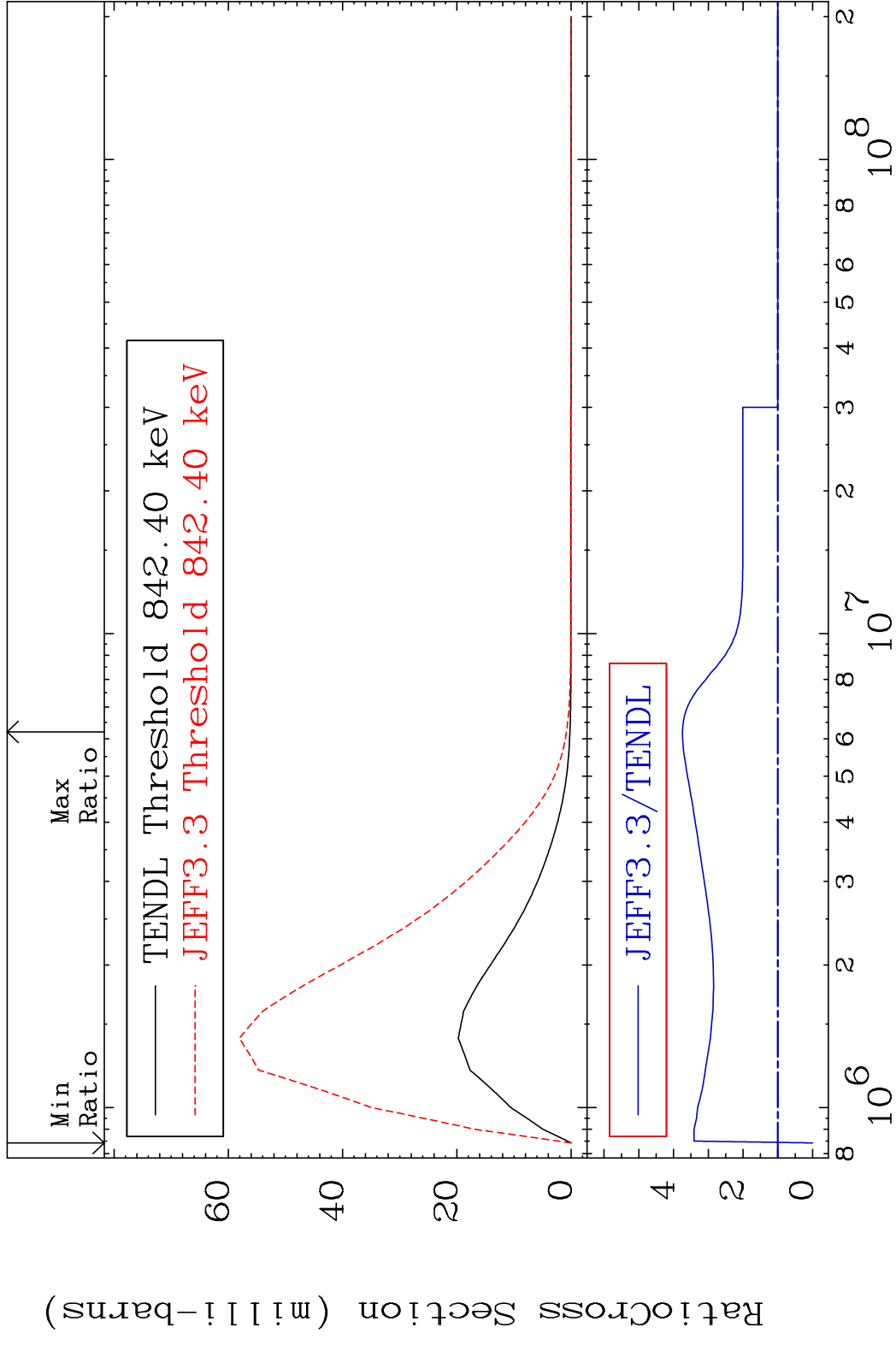
MAT 3519 MT= 67 (n, n') Level 35-Br-77
 Cross Section -100.0 To 86.93 %



MAT 3519 MT= 68 (n, n') Level 35-Br-77
 Cross Section -100.0 To 80.18 %

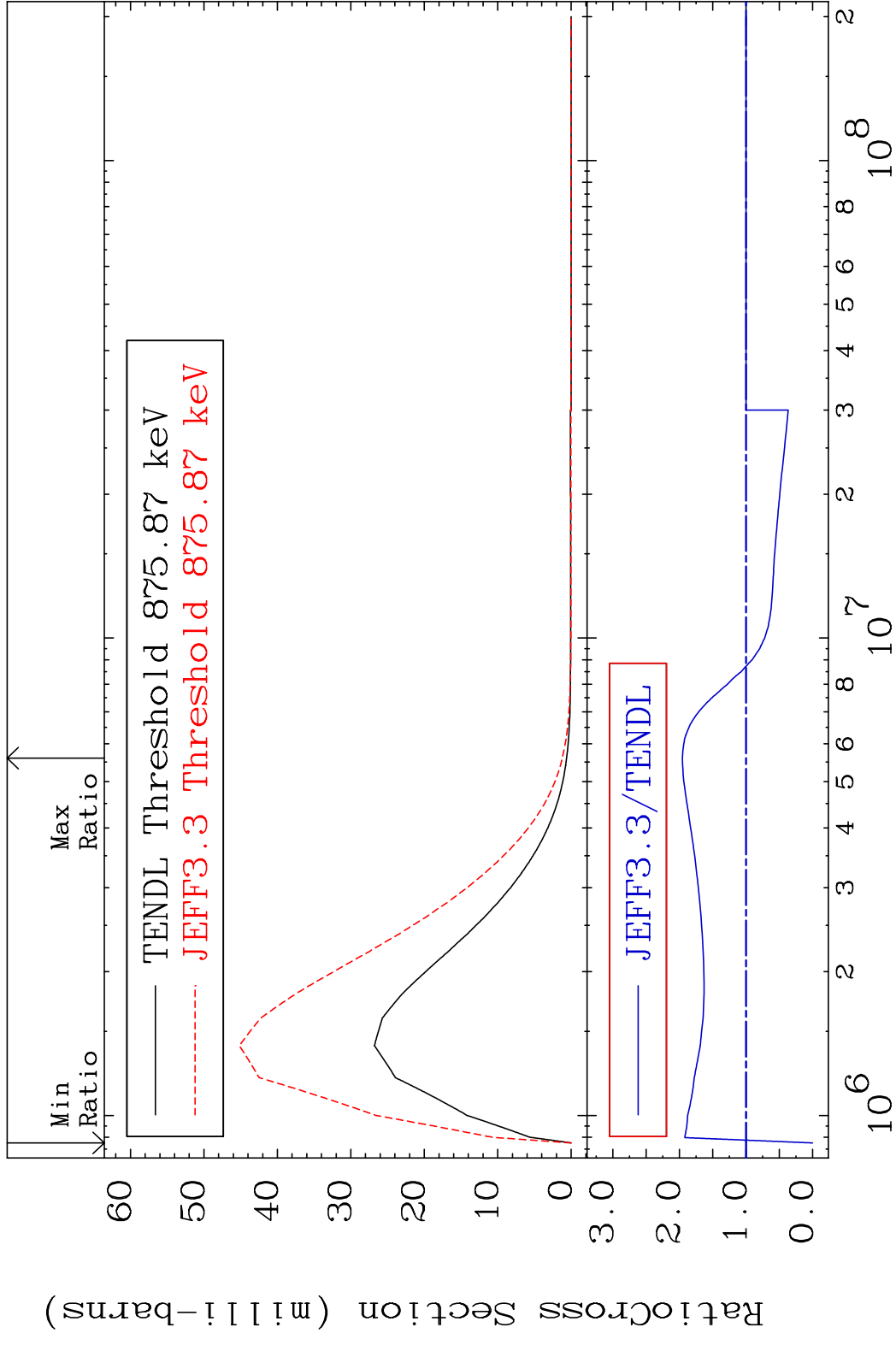


MAT 3519 MT= 69 (n, n') Level 35-Br-77
 Cross Section -100.0 To 274.6 %

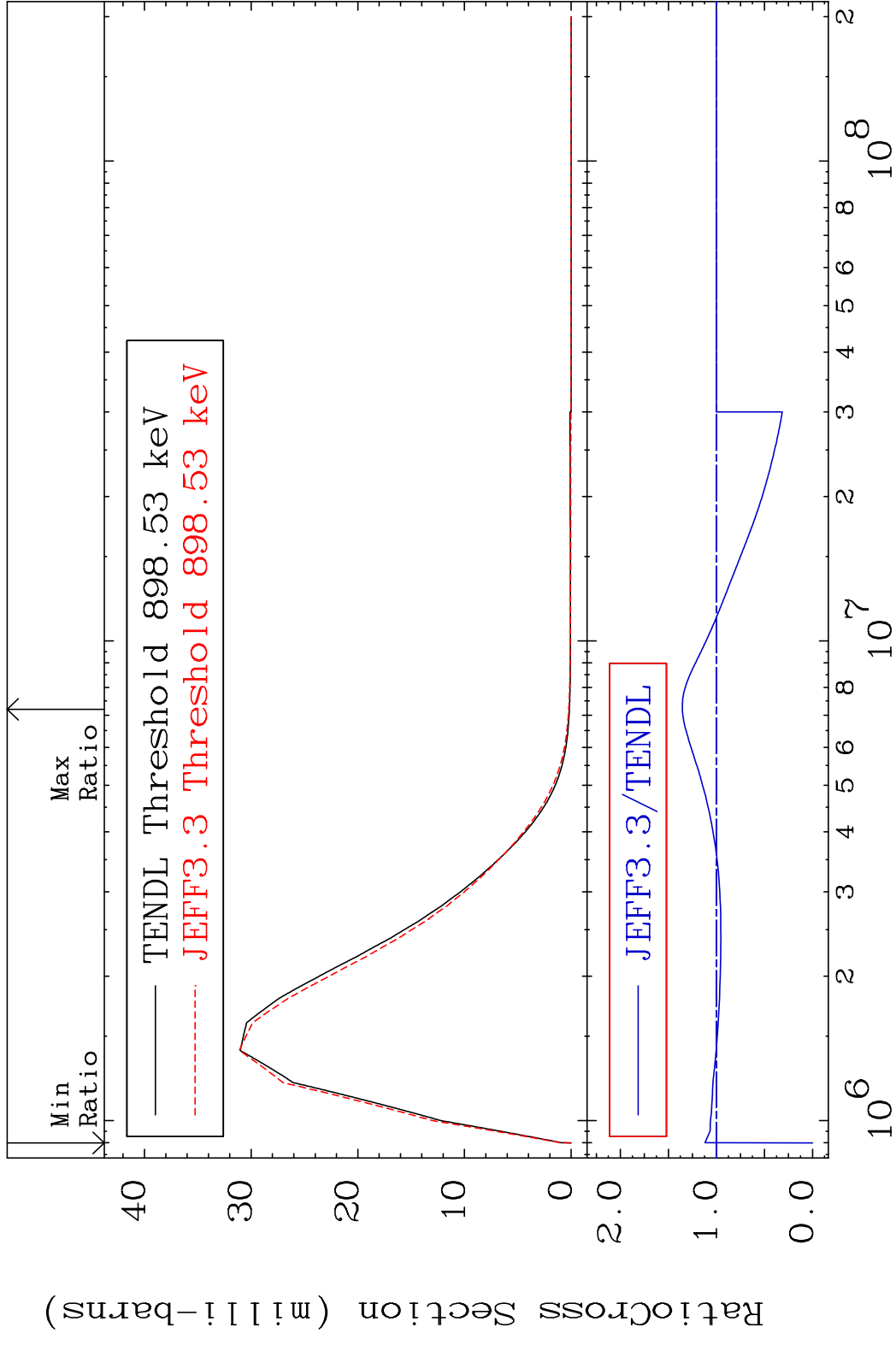


37 Incident Energy (eV) 35-Br-77

MAT 3519 MT= 70 (n, n') Level 35-Br-77
 Cross Section -100.0 To 95.48 %

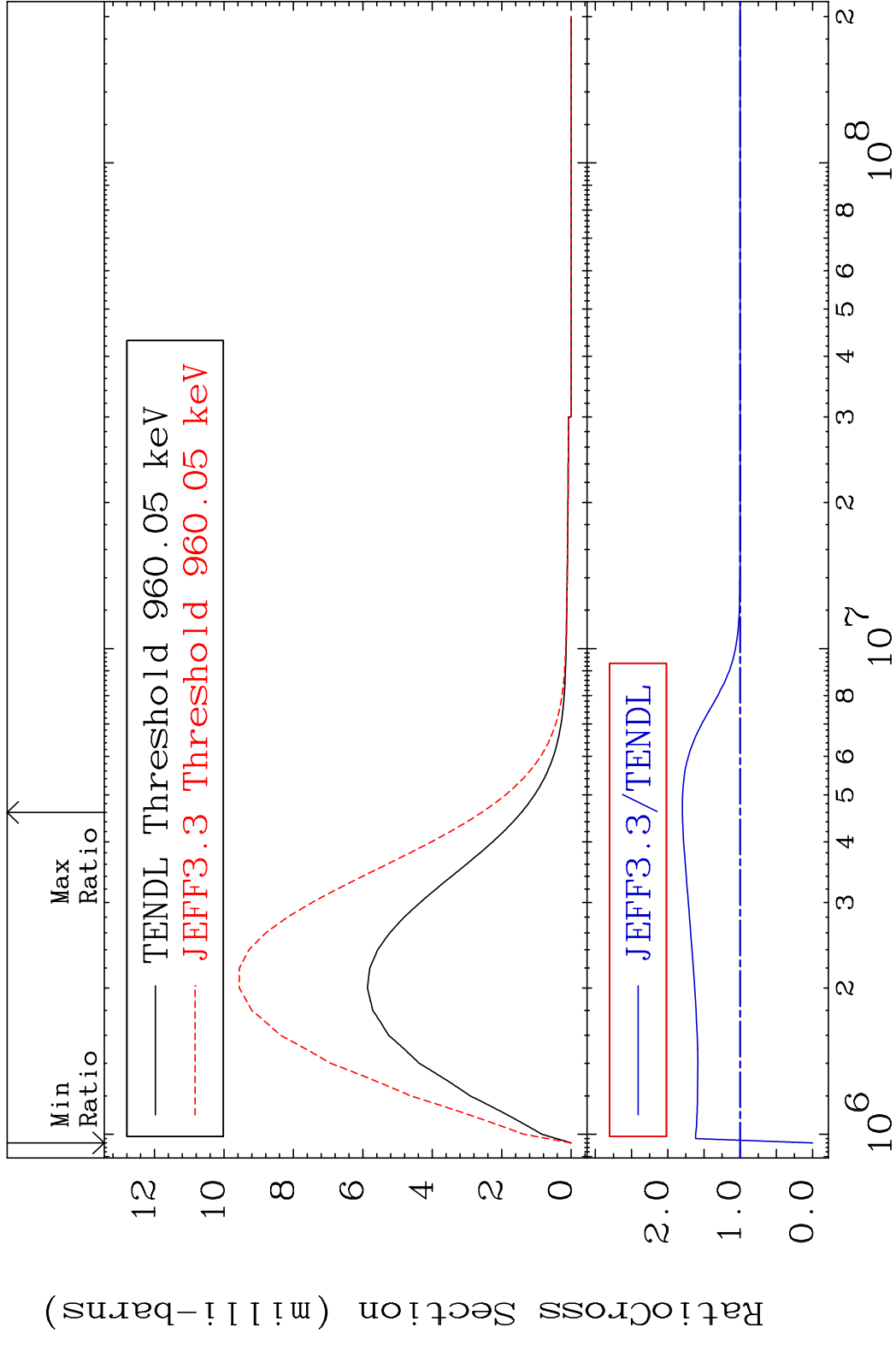


MAT 3519 MT= 71 (n,n') Level 35-Br-77
 Cross Section -100.0 To 35.49 %



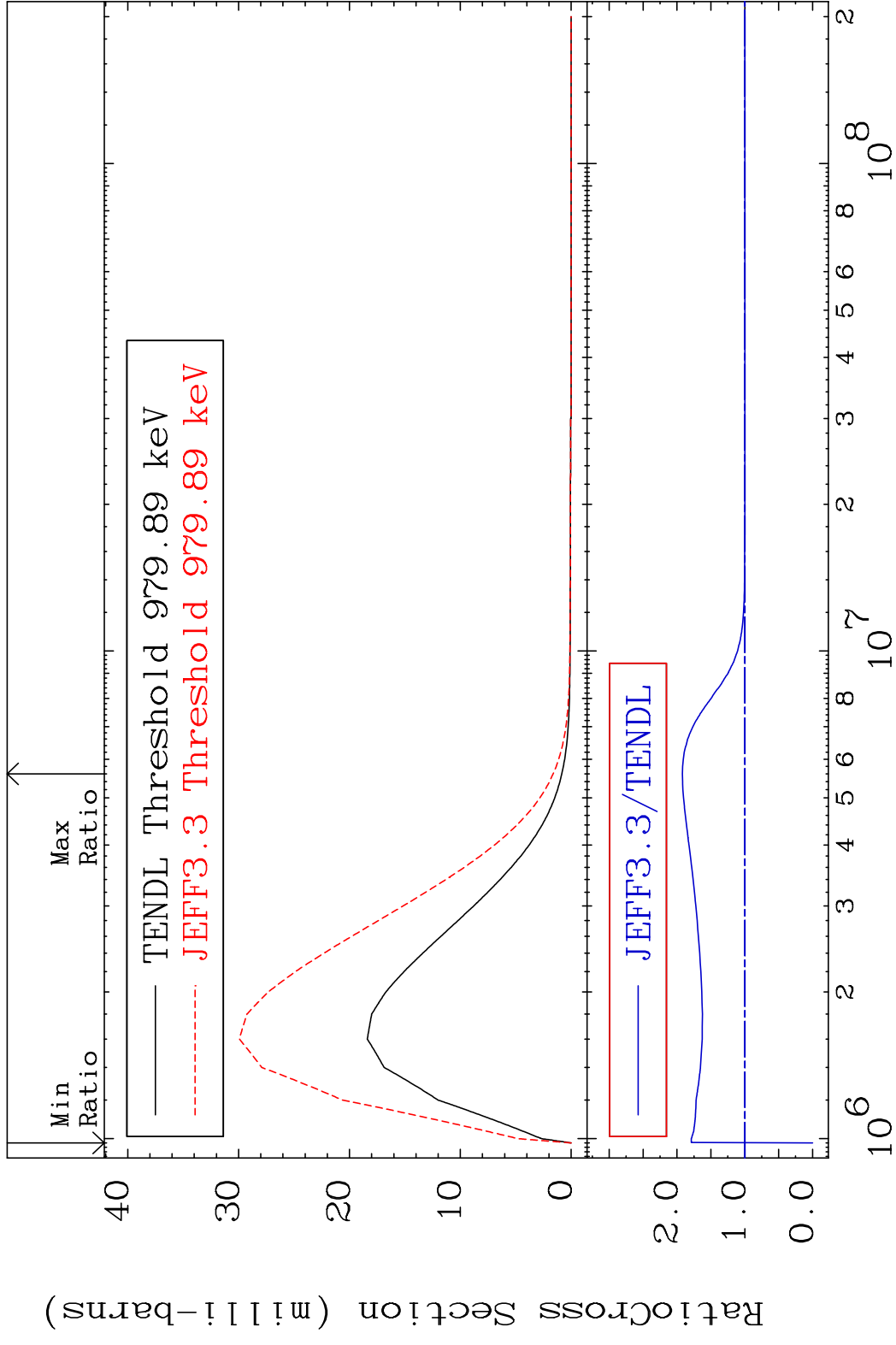
39 Incident Energy (eV) 35-Br-77

MAT 3519 MT= 72 (n, n') Level 35-Br-77
 Cross Section -100.0 To 79.82 %



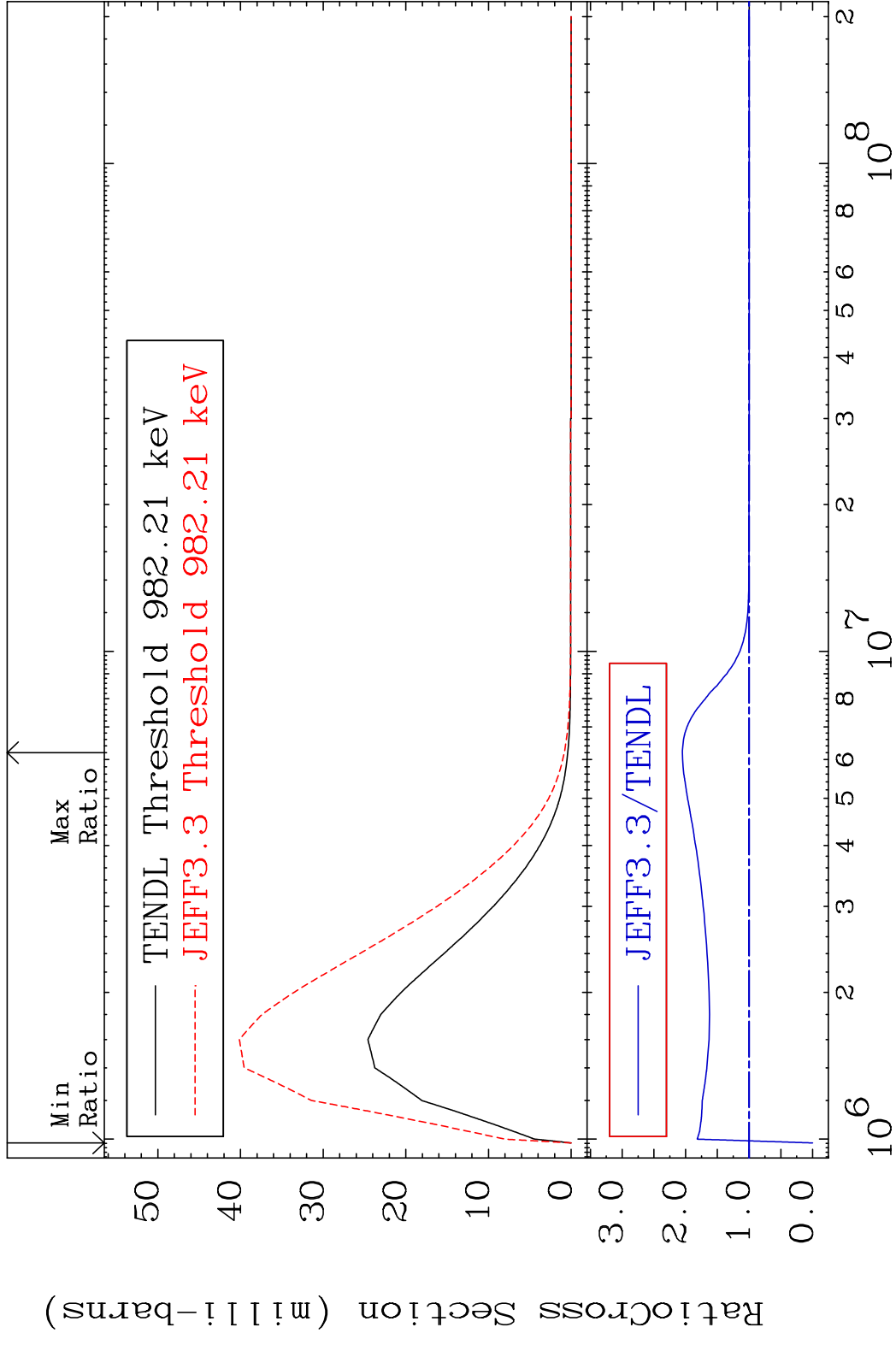
40 Incident Energy (eV) 35-Br-77

MAT 3519 MT= 73 (n, n') Level 35-Br-77
 Cross Section -100.0 To 92.11 %



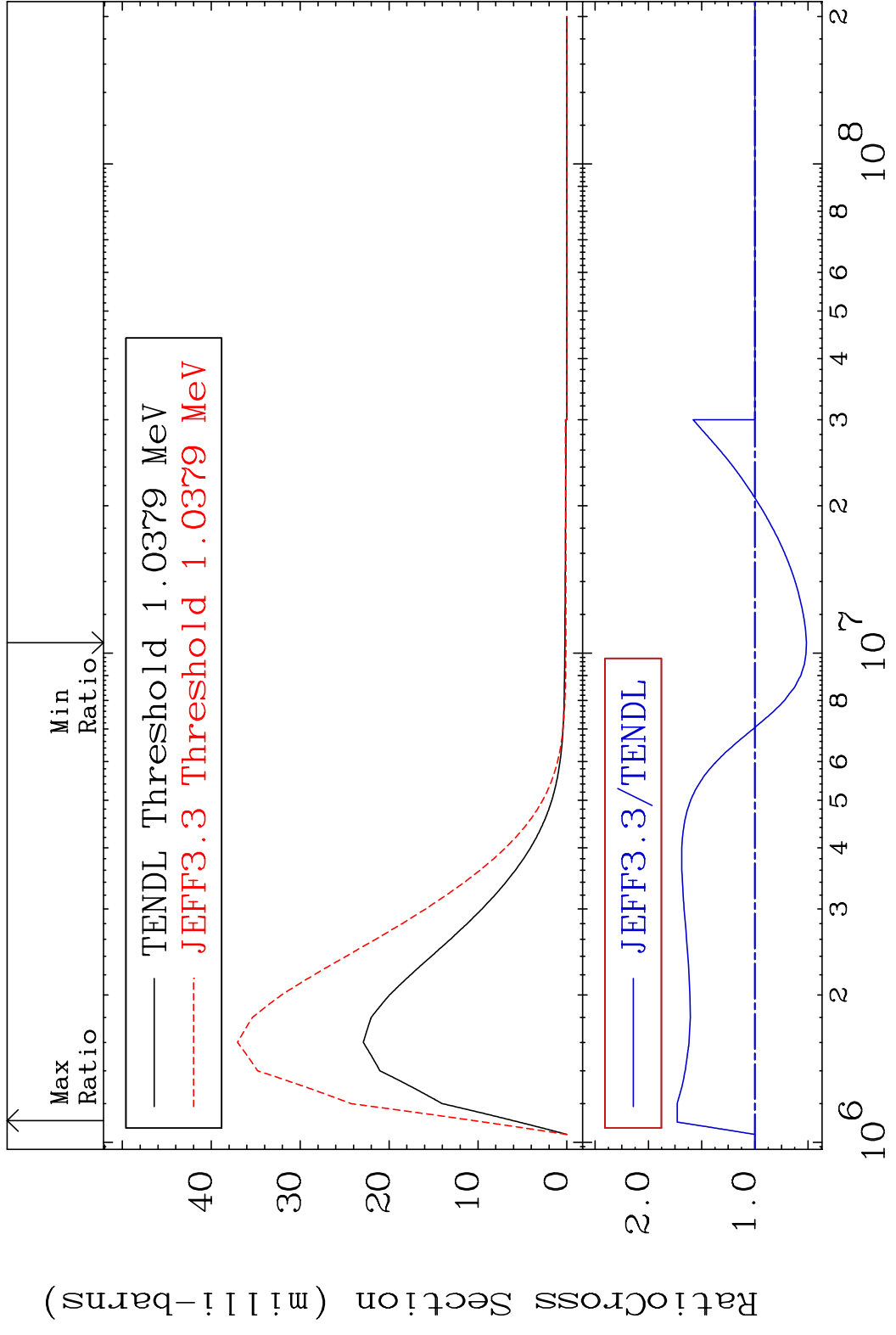
41 Incident Energy (eV) 35-Br-77

MAT 3519 MT= 74 (n, n') Level 35-Br-77
 Cross Section -100.0 To 105.2 %



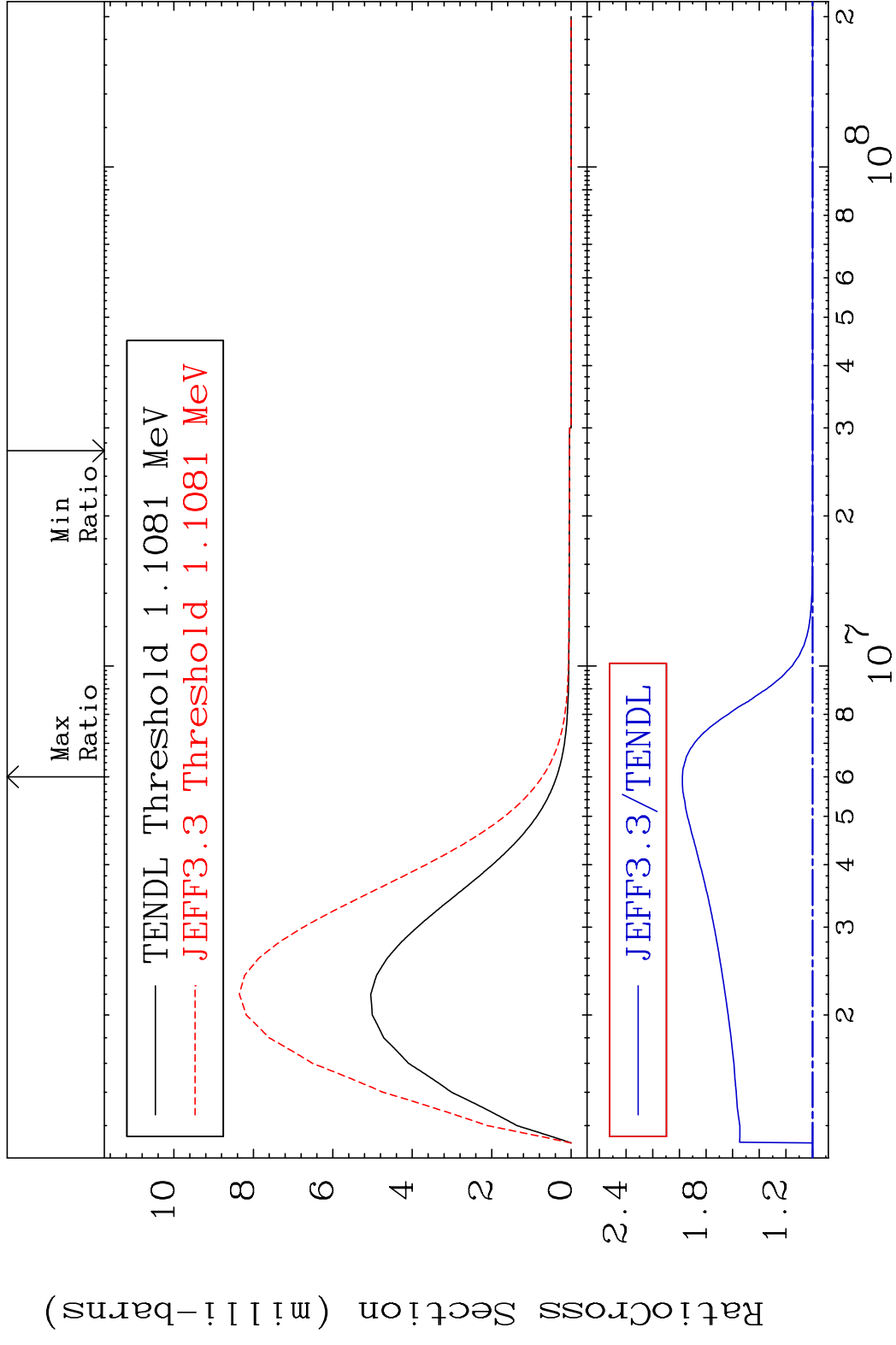
42 35-Br-77

MAT 3519 MT= 75 (n, n') Level 35-Br-77
 Cross Section -48.40 To 72.95 %

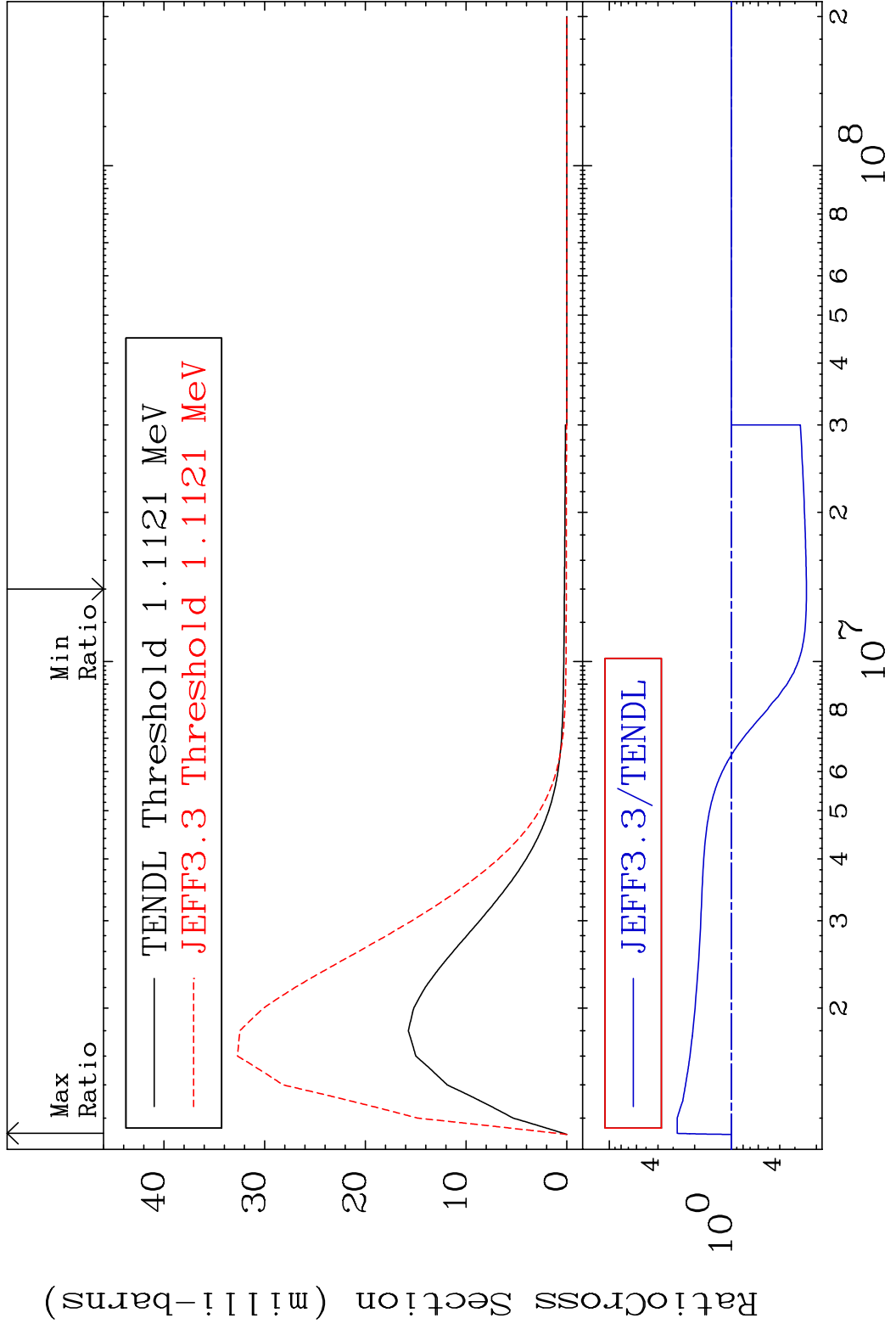


43 Incident Energy (eV) 35-Br-77

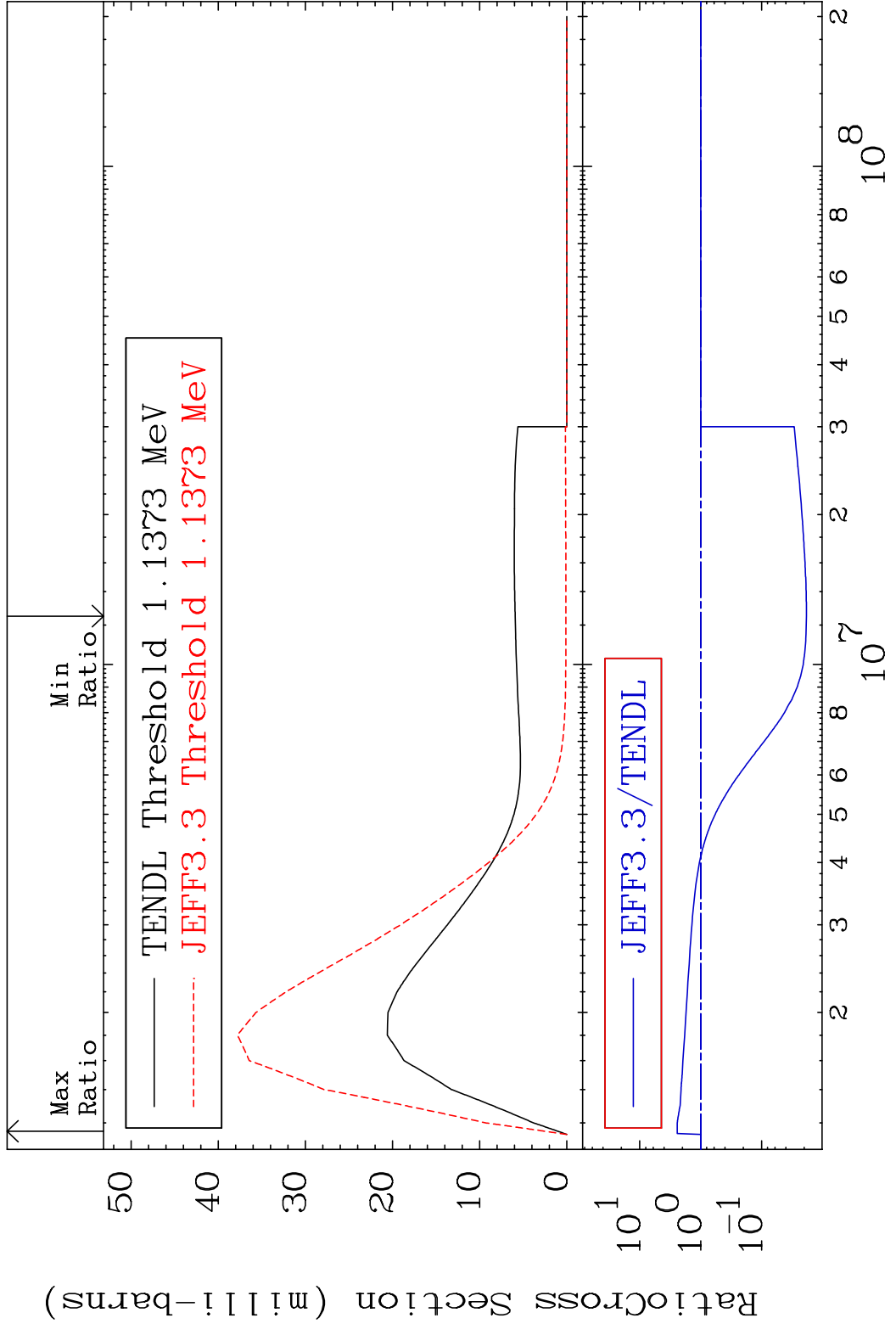
MAT 3519 MT= 76 (n, n') Level 35-Br-77
 Cross Section 0.000 To 97.75 %



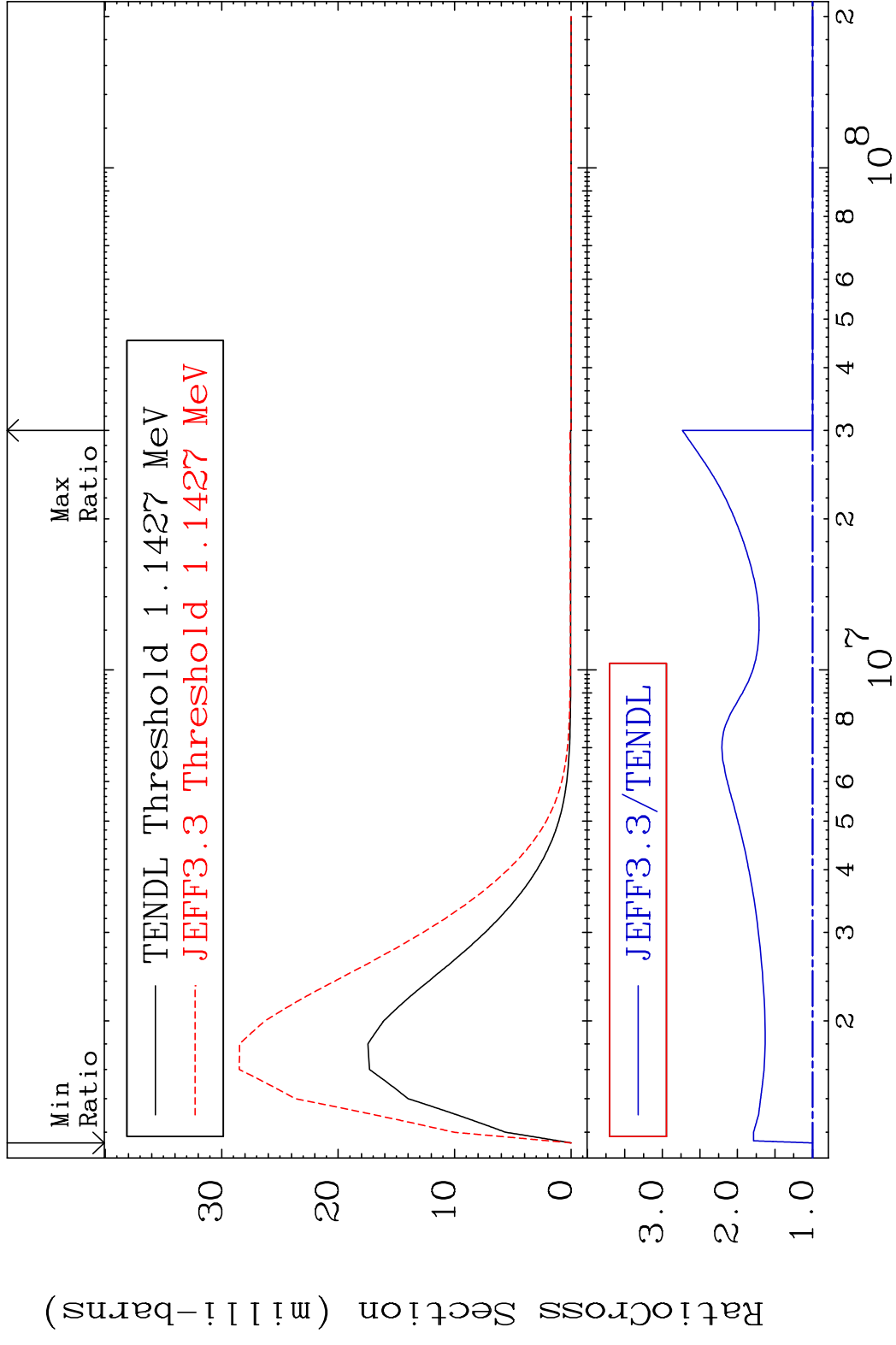
MAT 3519 MT= 77 (n, n') Level 35-Br-77
 Cross Section -75.84 To 177.7 %



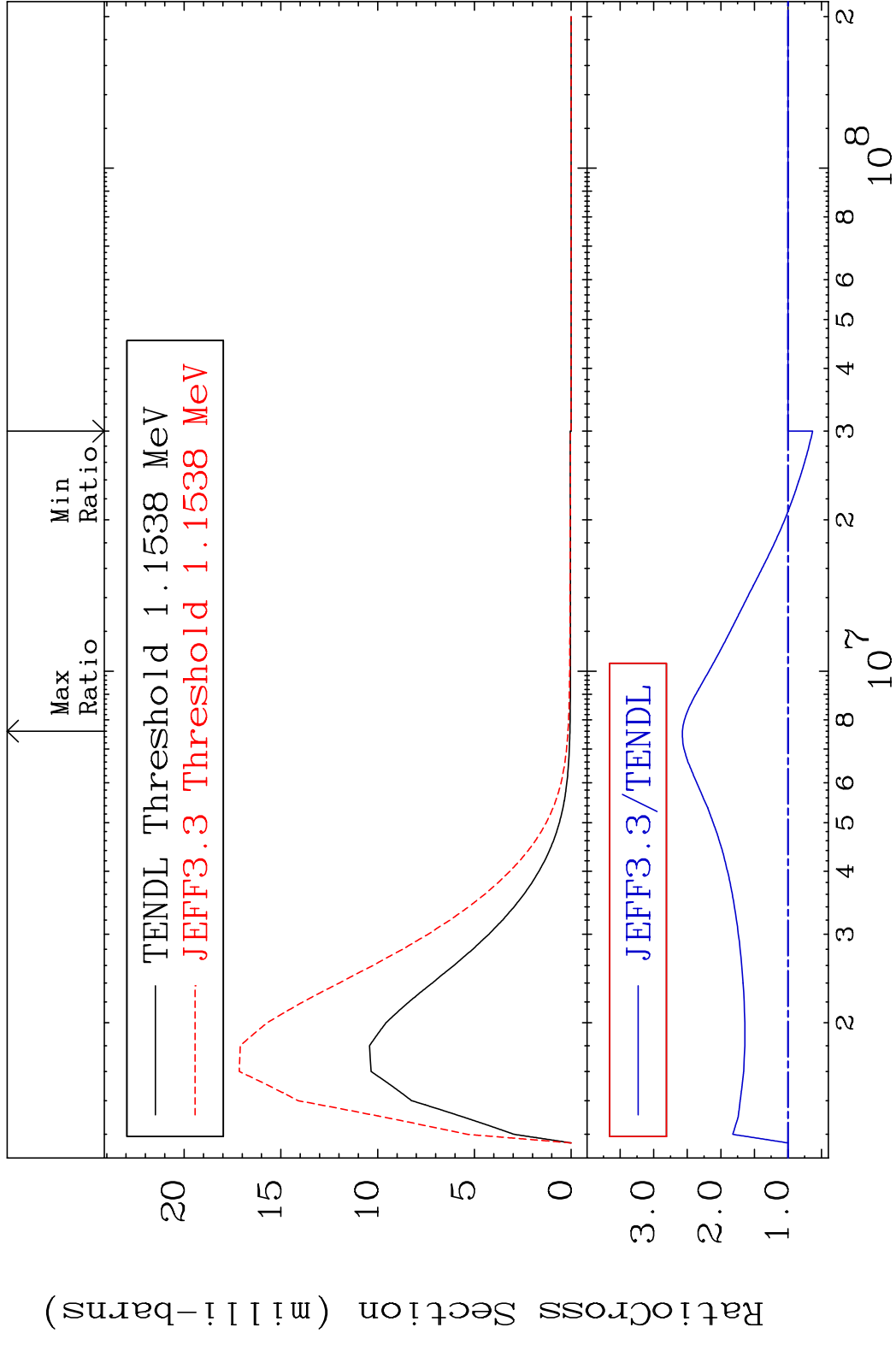
MAT 3519 MT= 78 (n, n') Level 35-Br-77
 Cross Section -98.17 To 142.8 %



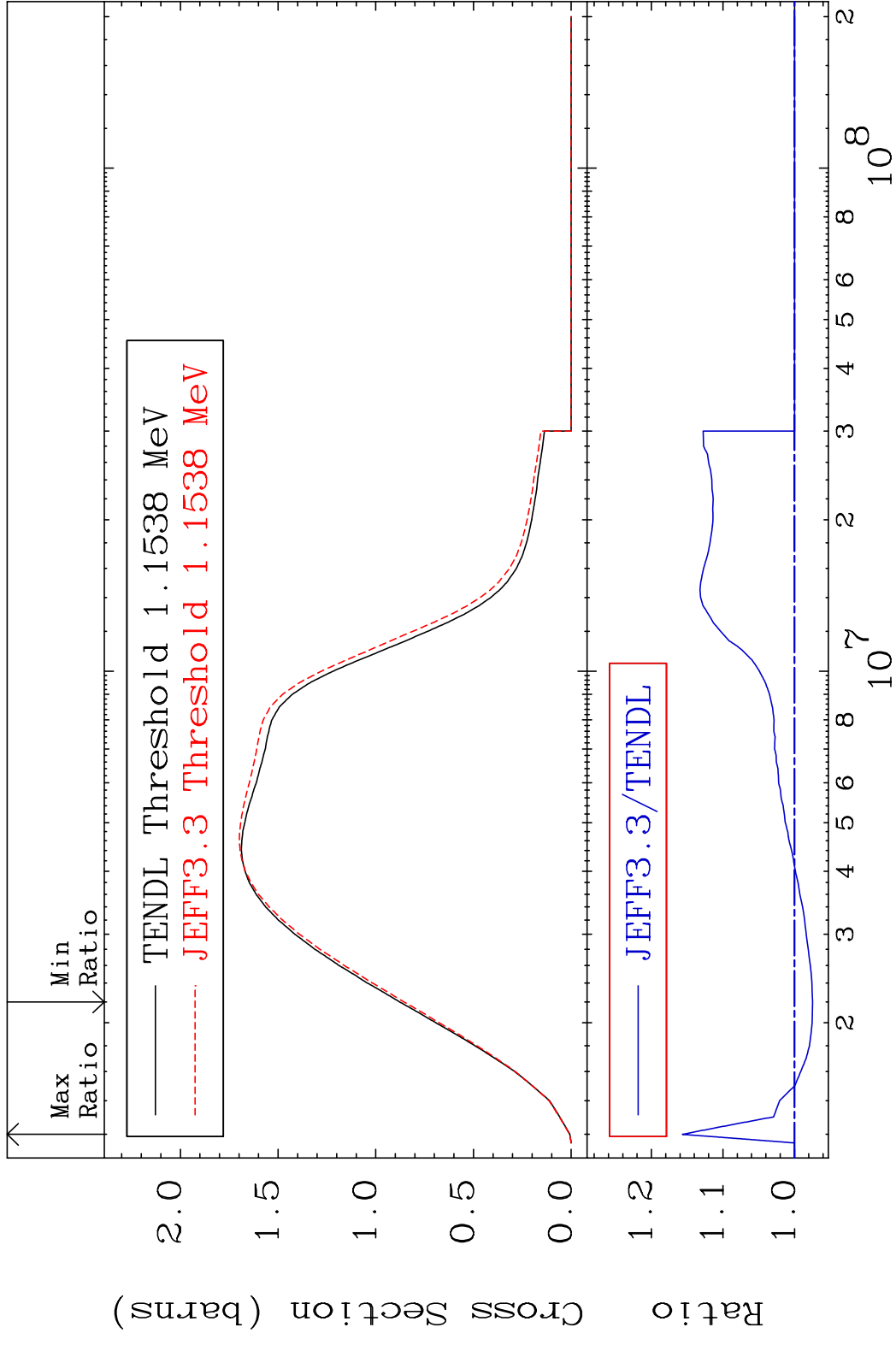
MAT 3519 MT= 79 (n, n') Level 35-Br-77
 Cross Section 0.000 To 173.4 %



MAT 3519 MT= 80 (n, n') Level 35-Br-77
 Cross Section -36.73 To 157.3 %



MAT 3519 (n, n') Continuum 35-Br-77
 Cross Section -2.522 To 15.67 %

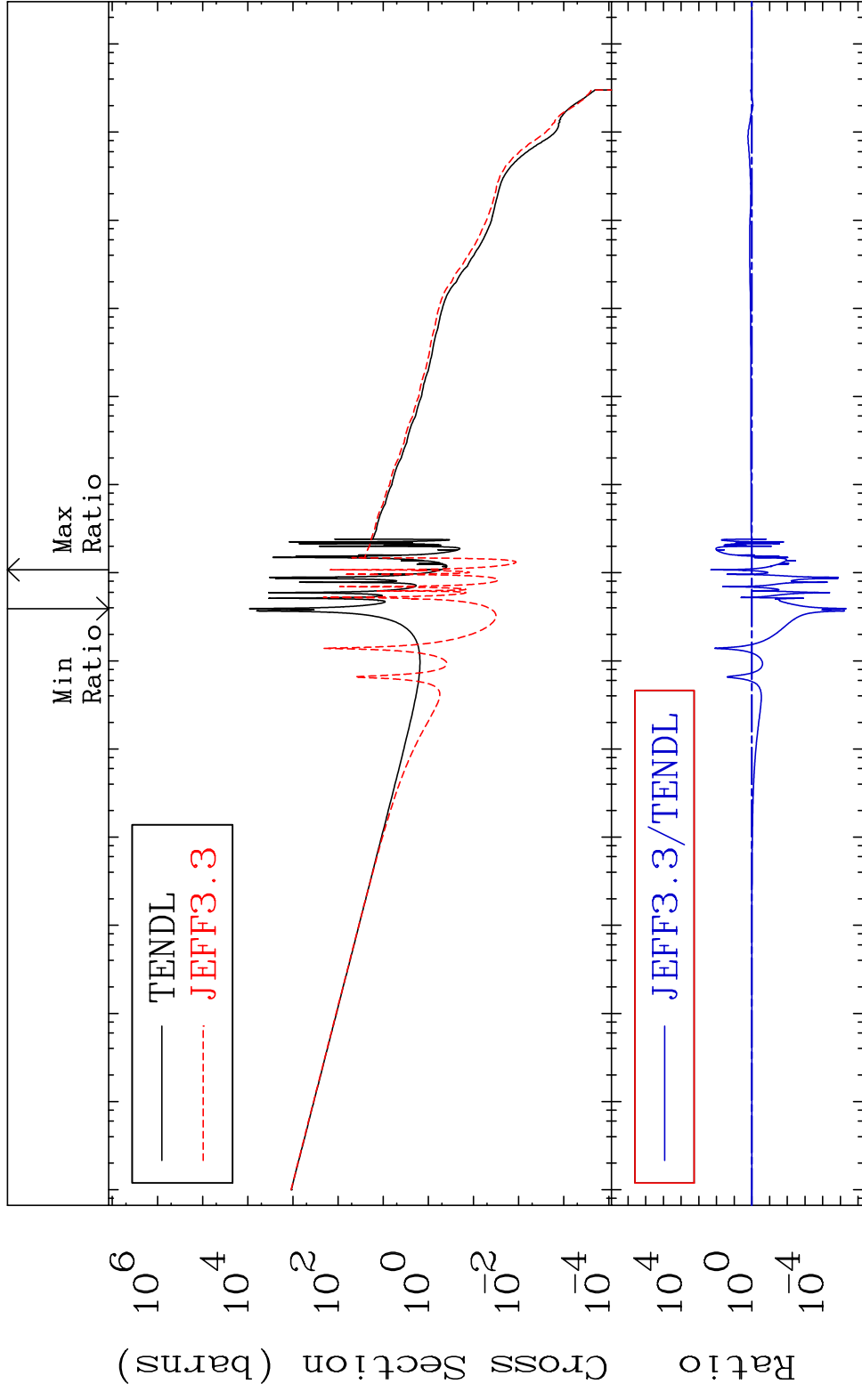


MAT 3519

35-Br-77

(n, γ)

Cross Section -100.0 To 9999. %

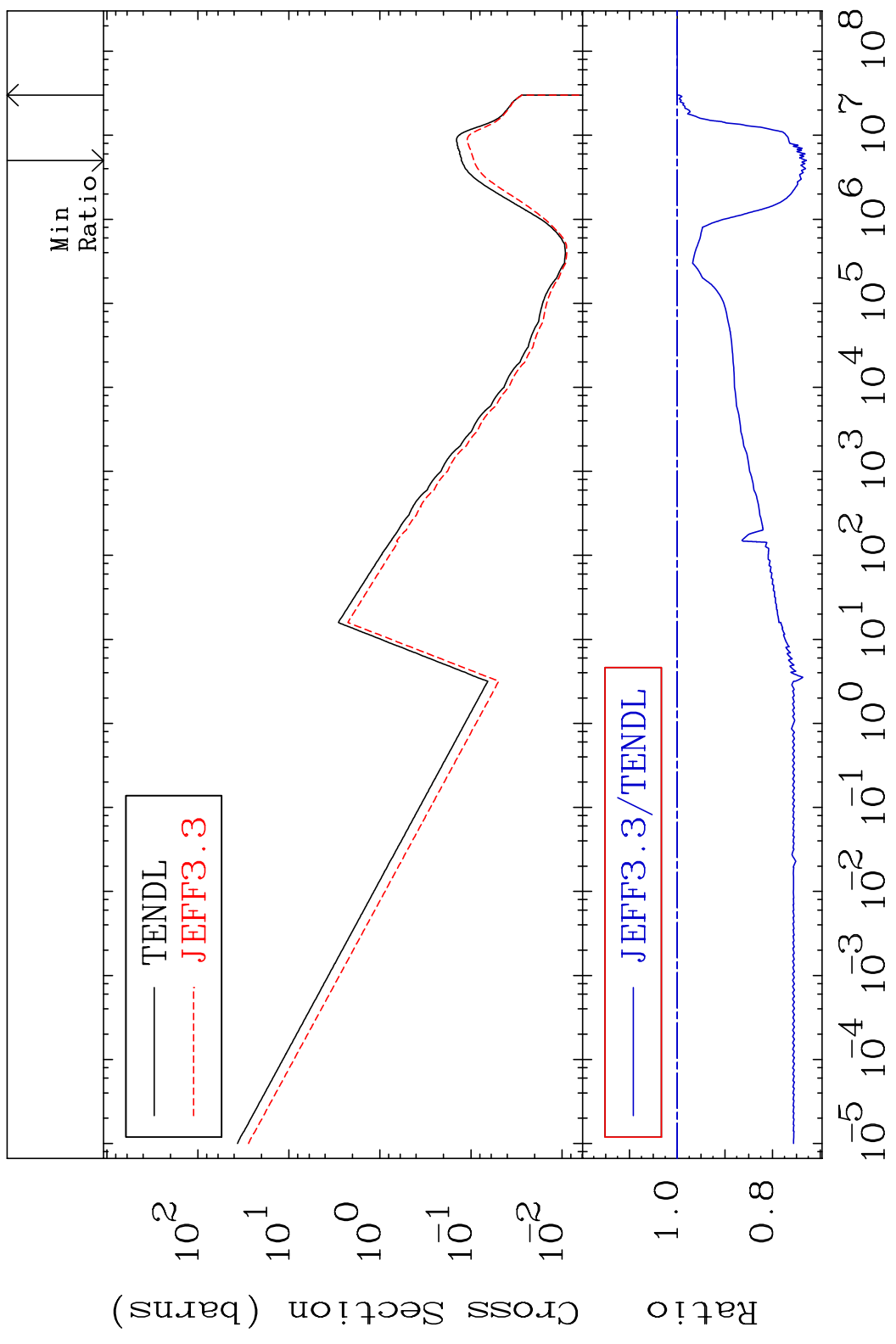


MAT 3519

(n, p)

35-Br-77

Cross Section -27.09 To 0.000 %



51

Incident Energy (eV)

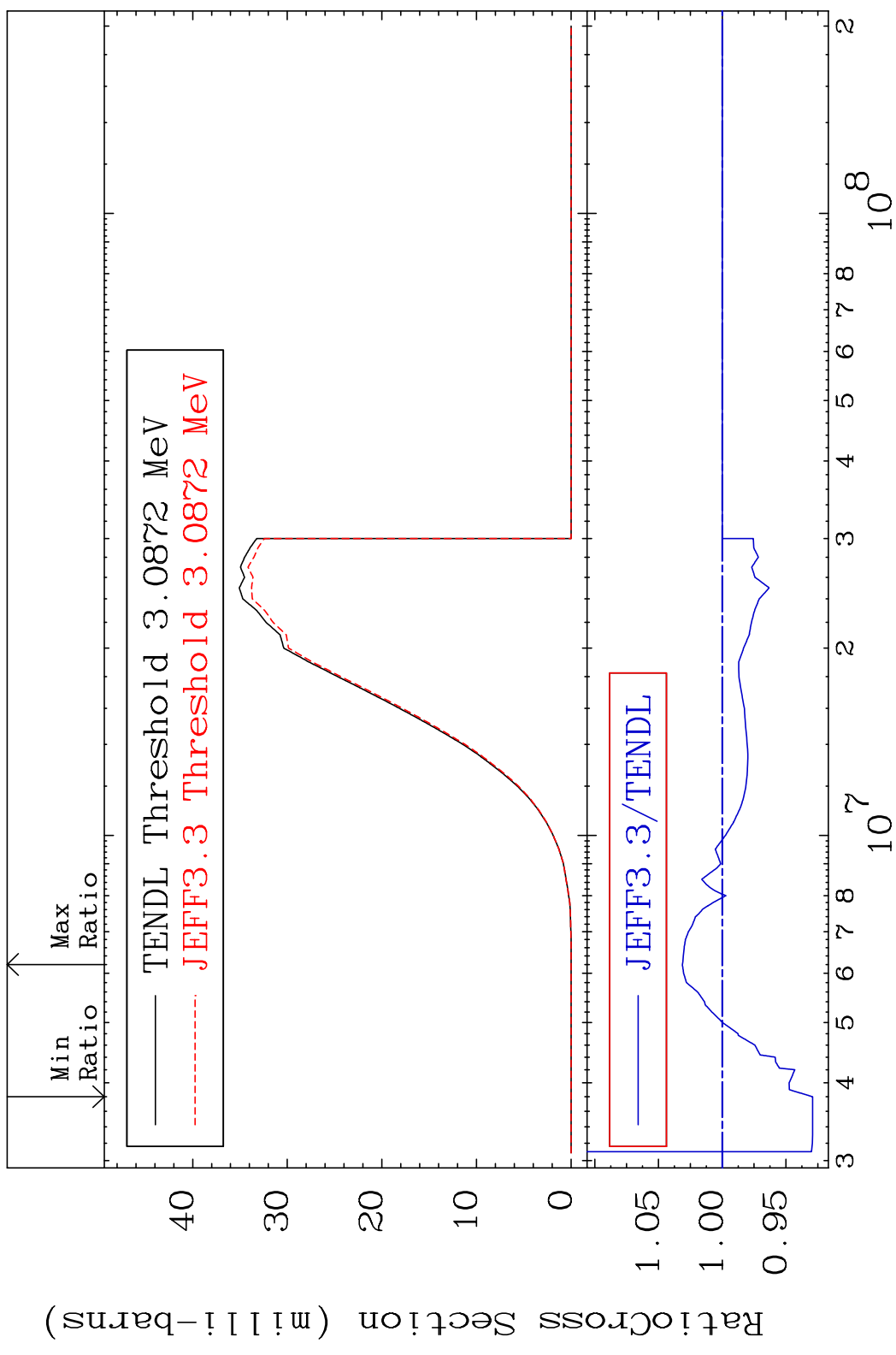
35-Br-77

MAT 3519

(n, d)

35-Br-77

Cross Section -7.086 To 3.127 %

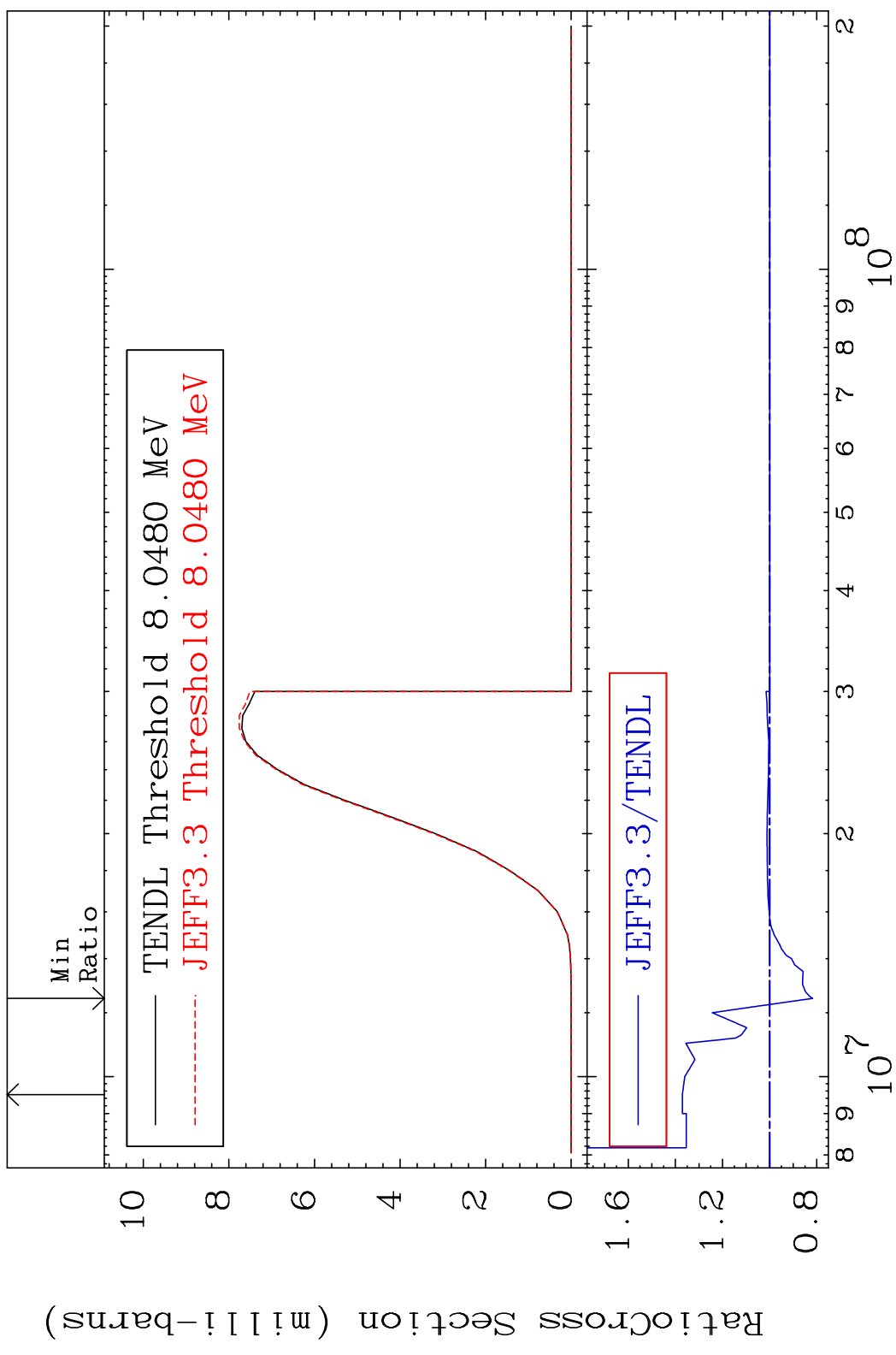


MAT 3519

(n, t)

35-Br-77

Cross Section -18.19 To 37.06 %

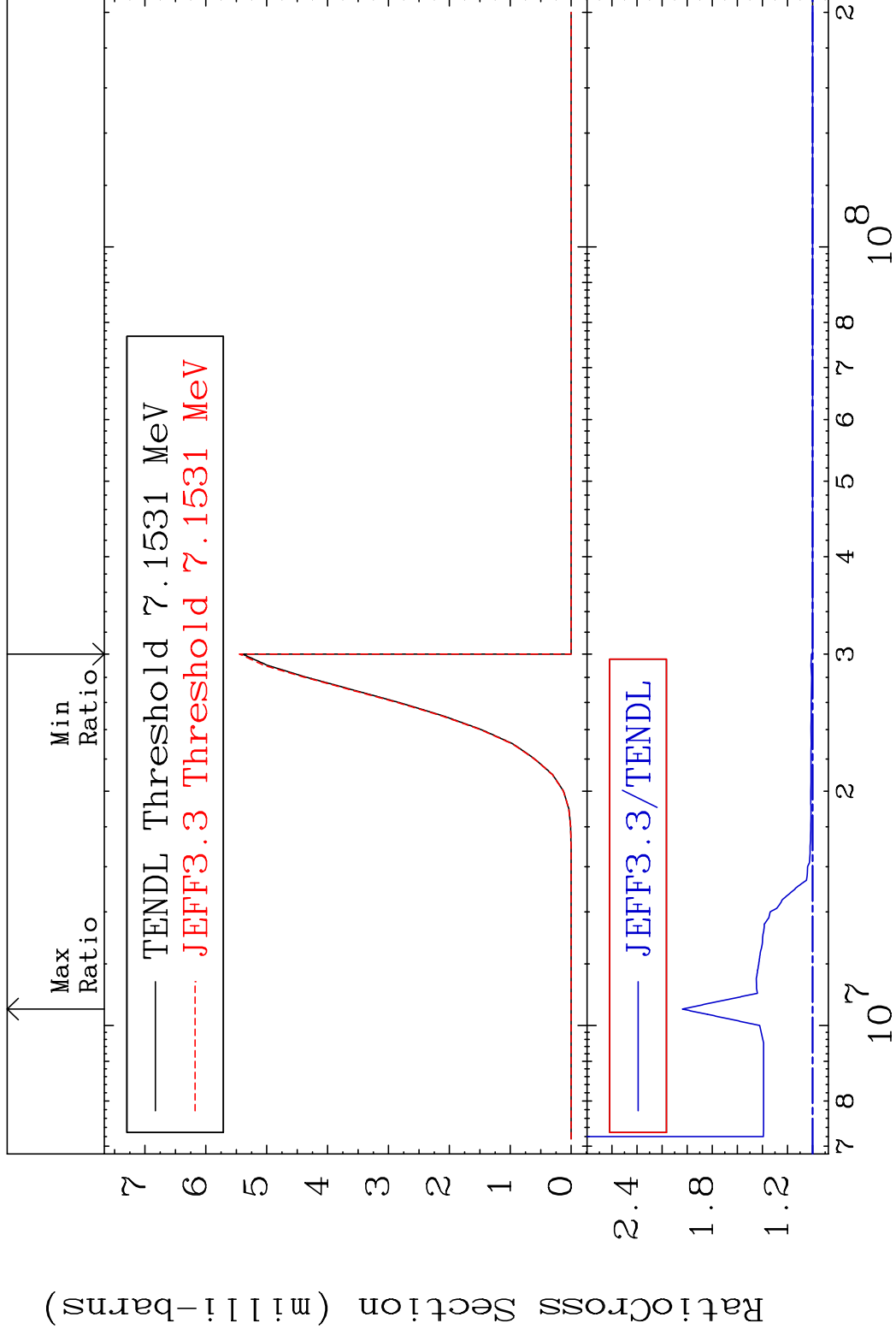


MAT 3519

(n, He-3)

35-Br-77

Cross Section 0.000 To 103.9 %



54

Incident Energy (eV)

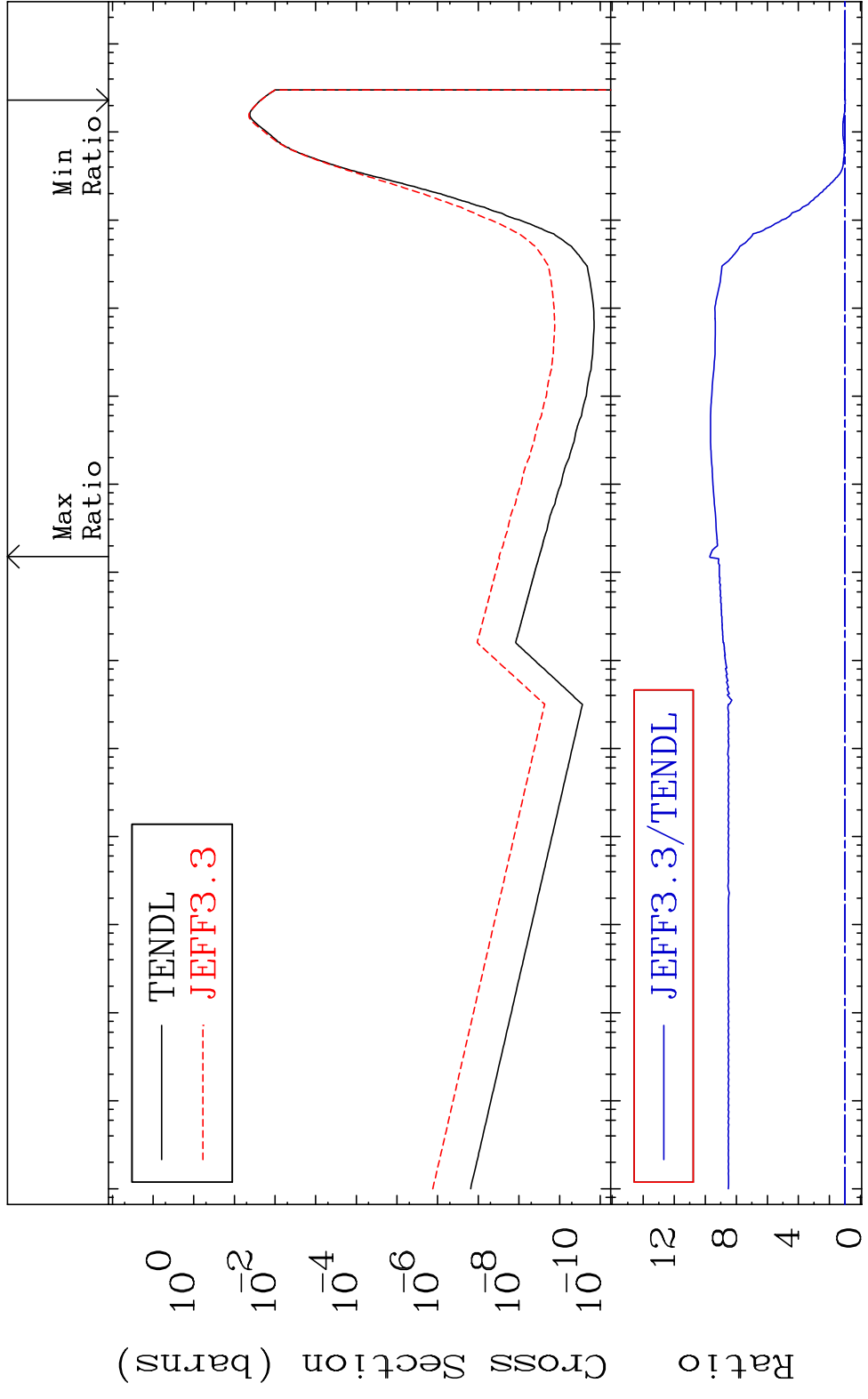
35-Br-77

MAT 3519

35-Br-77

(n, α)

Cross Section -1.797 To 871.0 %



55

Incident Energy (eV)

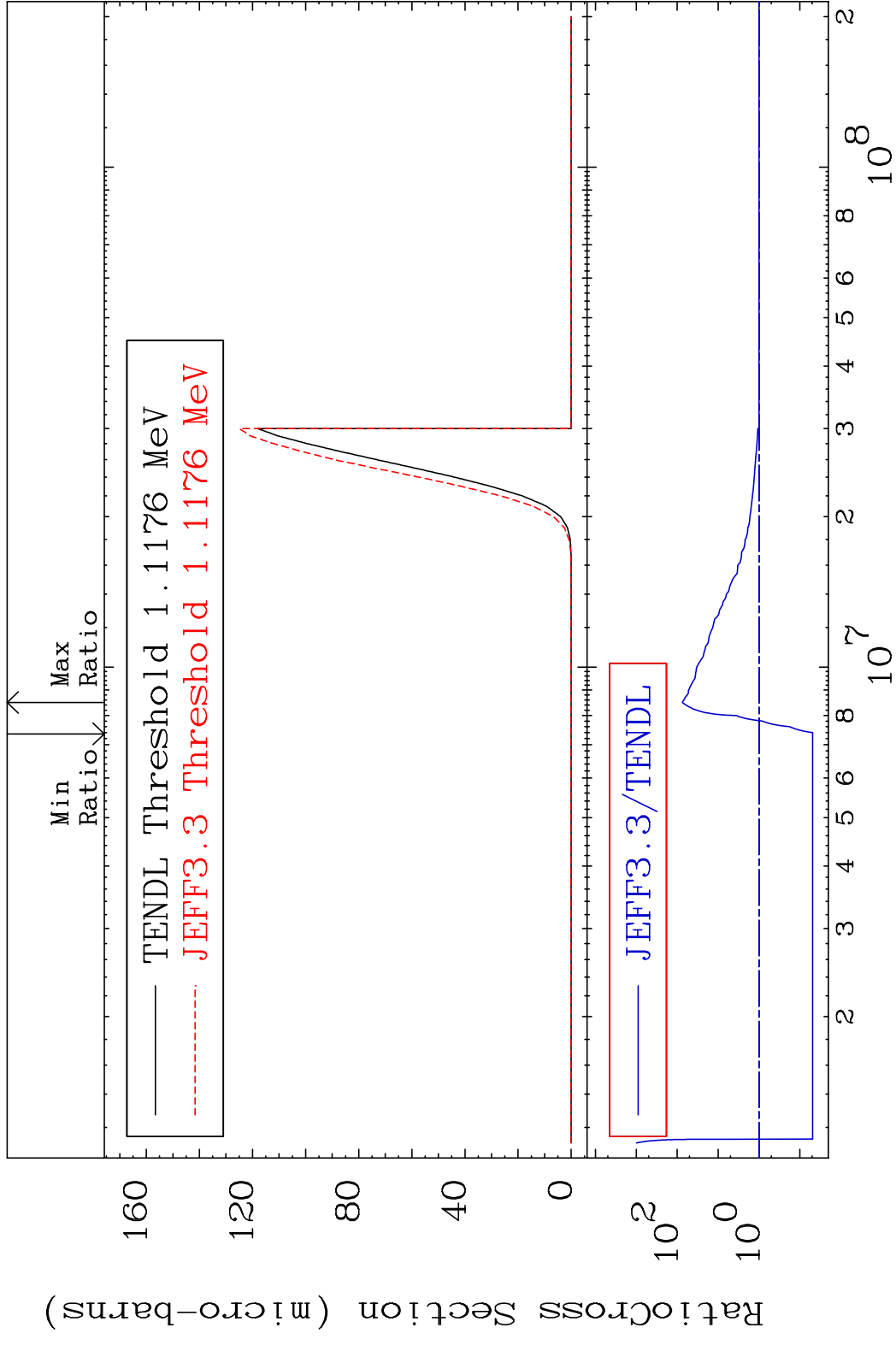
35-Br-77

MAT 3519

(n, 2α)

35-Br-77

Cross Section -95.11 To 7398. %

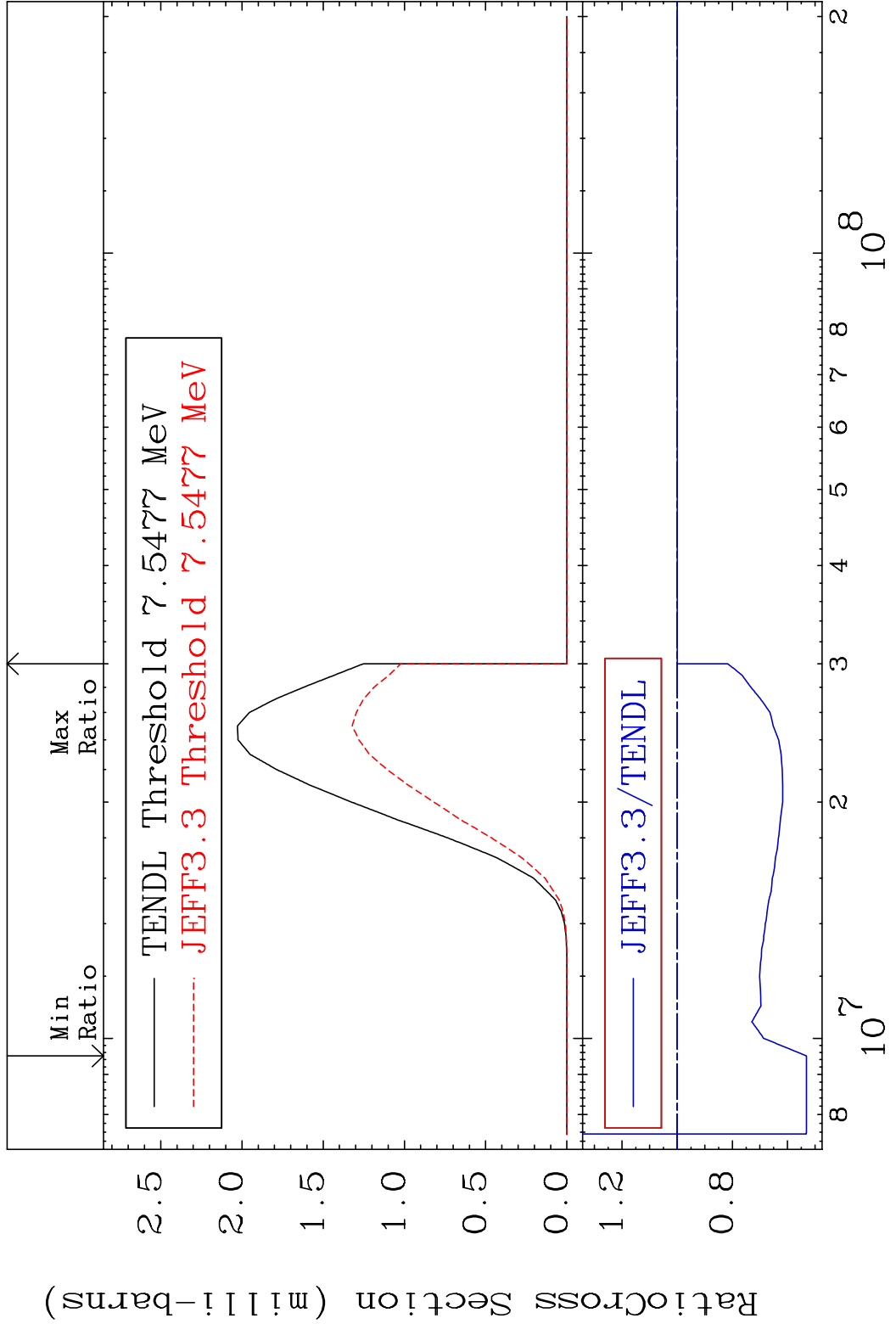


MAT 3519

(n,2p)

35-Br-77

Cross Section -46.85 To 0.000 %

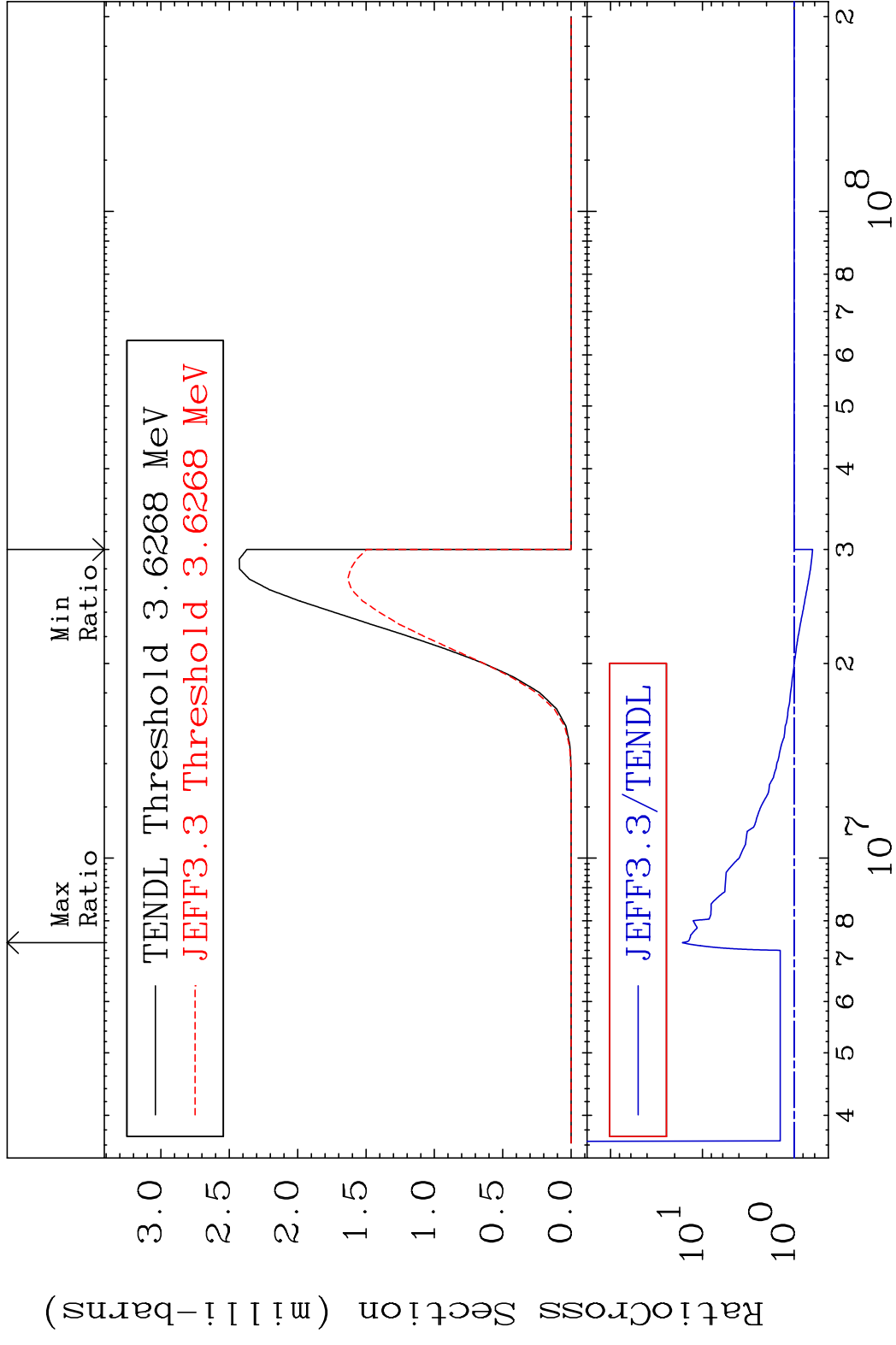


57

Incident Energy (eV)

35-Br-77

MAT 3519 (n,p) α 35-Br-77
 Cross Section -36.86 To 1551. %

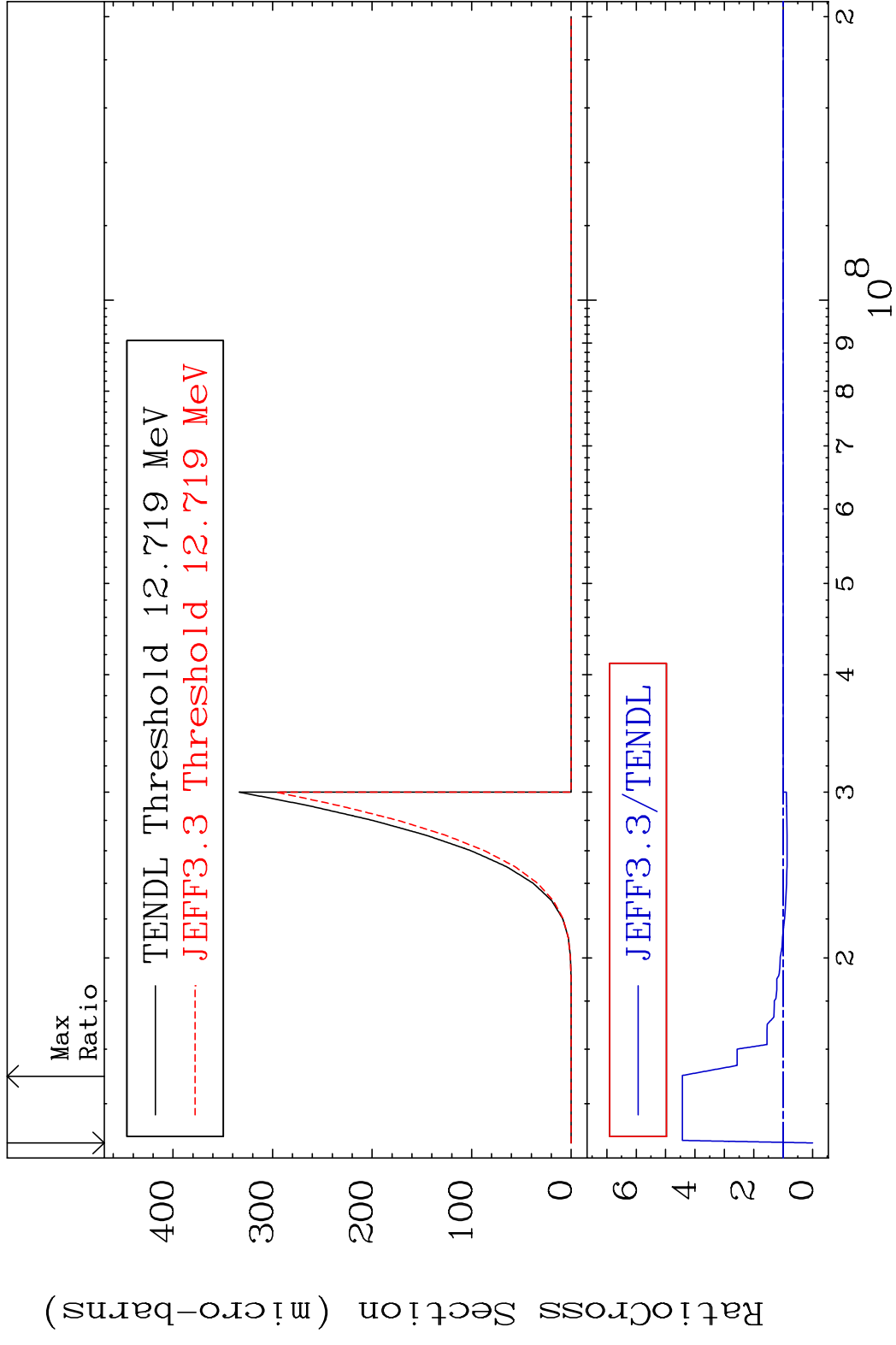


MAT 3519

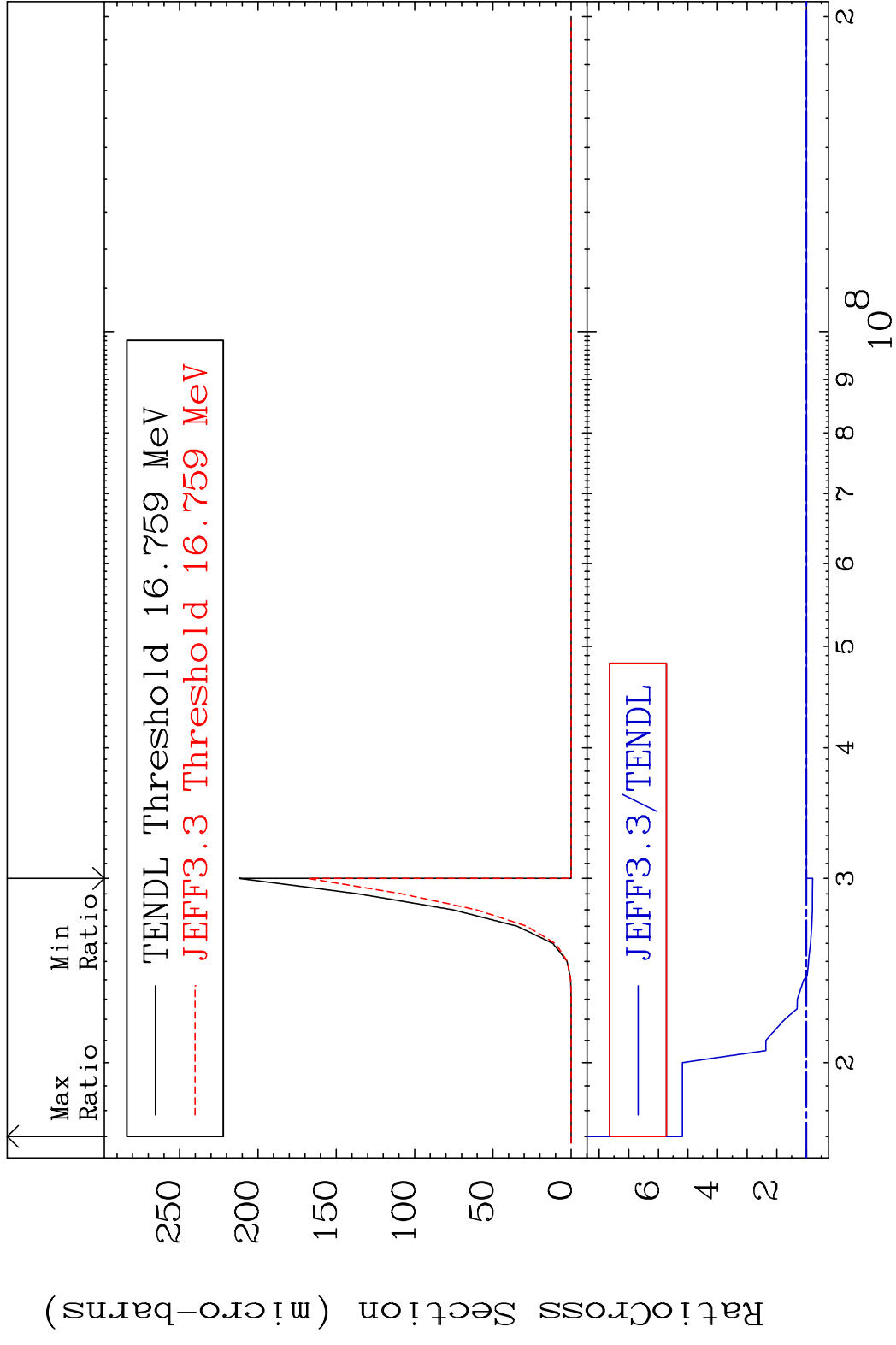
(n,p) d

35-Br-77

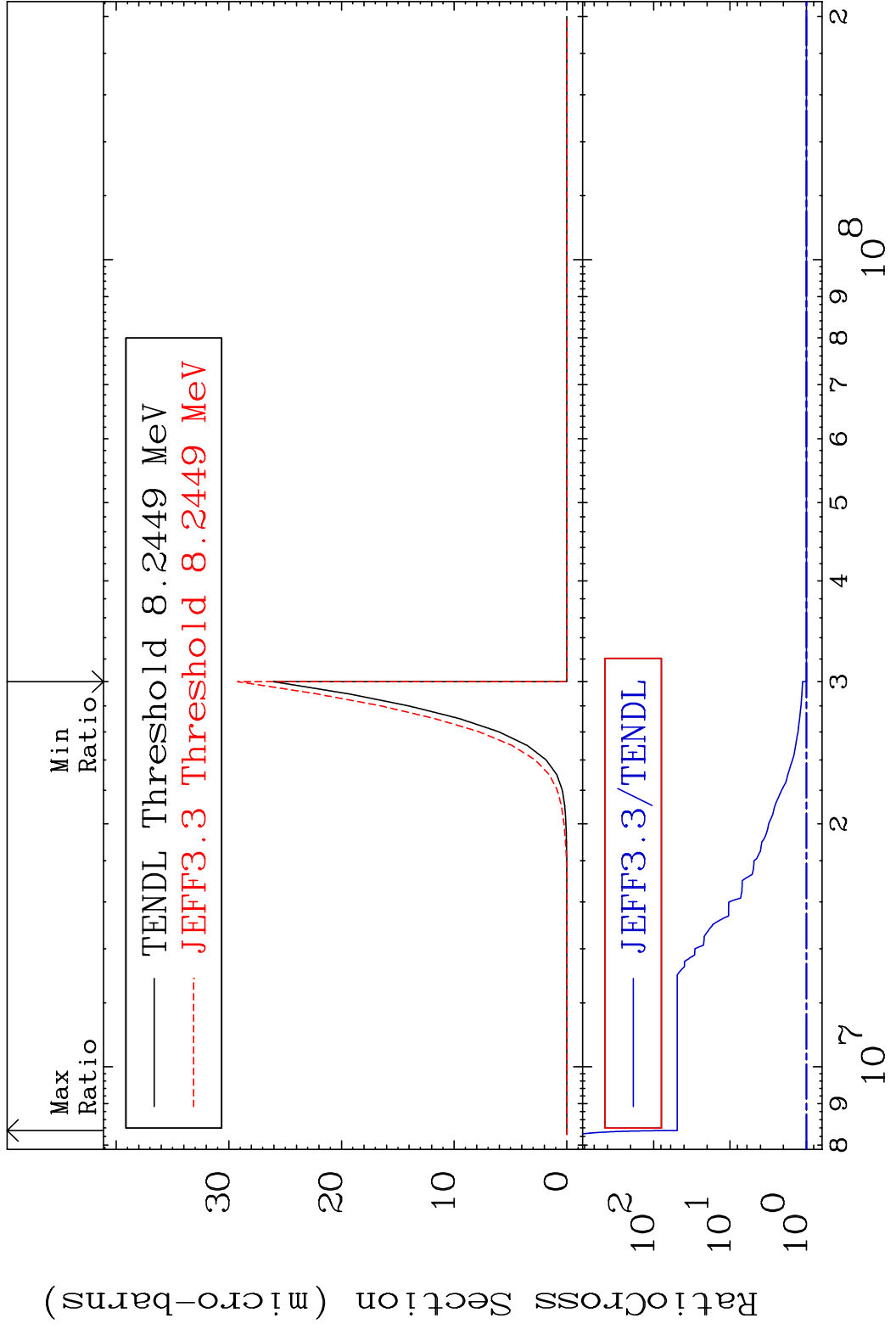
Cross Section -100.0 To 343.0 %



MAT 3519 (n,p) t 35-Br-77
 Cross Section -20.73 To 418.9 %



MAT 3519 (n,d) α 35-Br-77
 Cross Section 0.000 To 4814. %

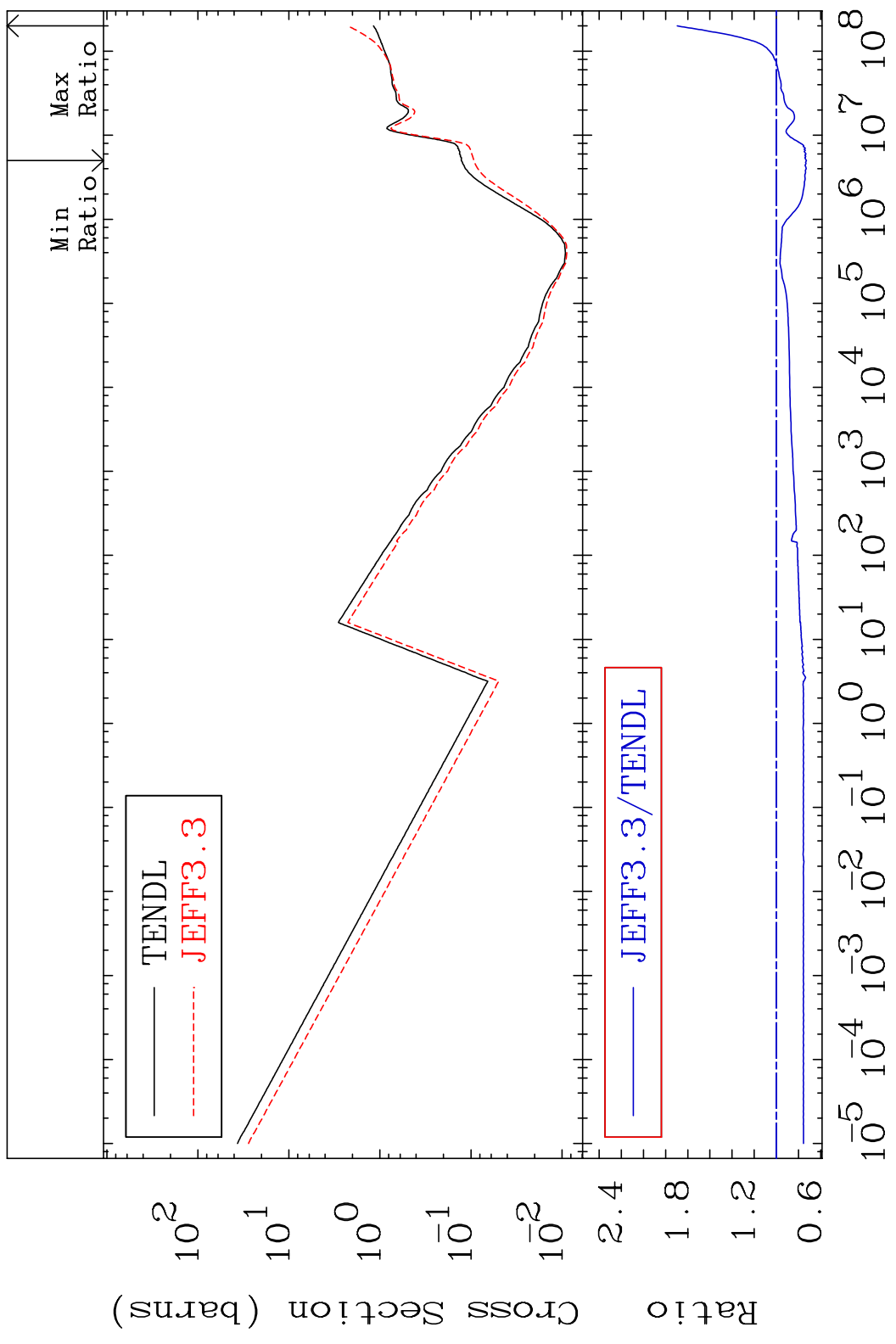


MAT 3519

Hydrogen Production

35-Br-77

Cross Section -27.09 To 89.55 %



62

Incident Energy (eV)

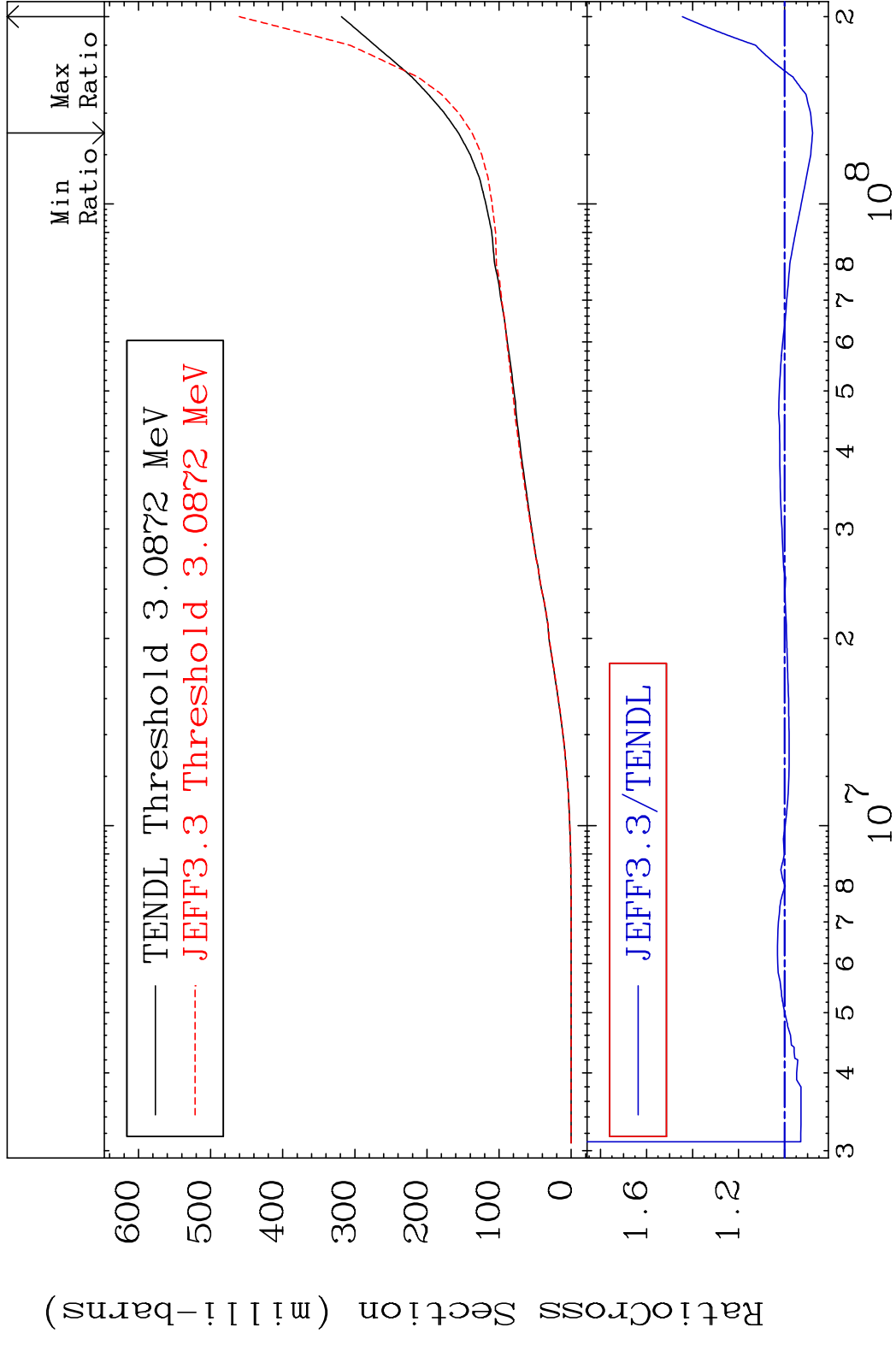
35-Br-77

MAT 3519

Deuterium Production

³⁵Br-77

Cross Section -12.16 To 44.43 %



63

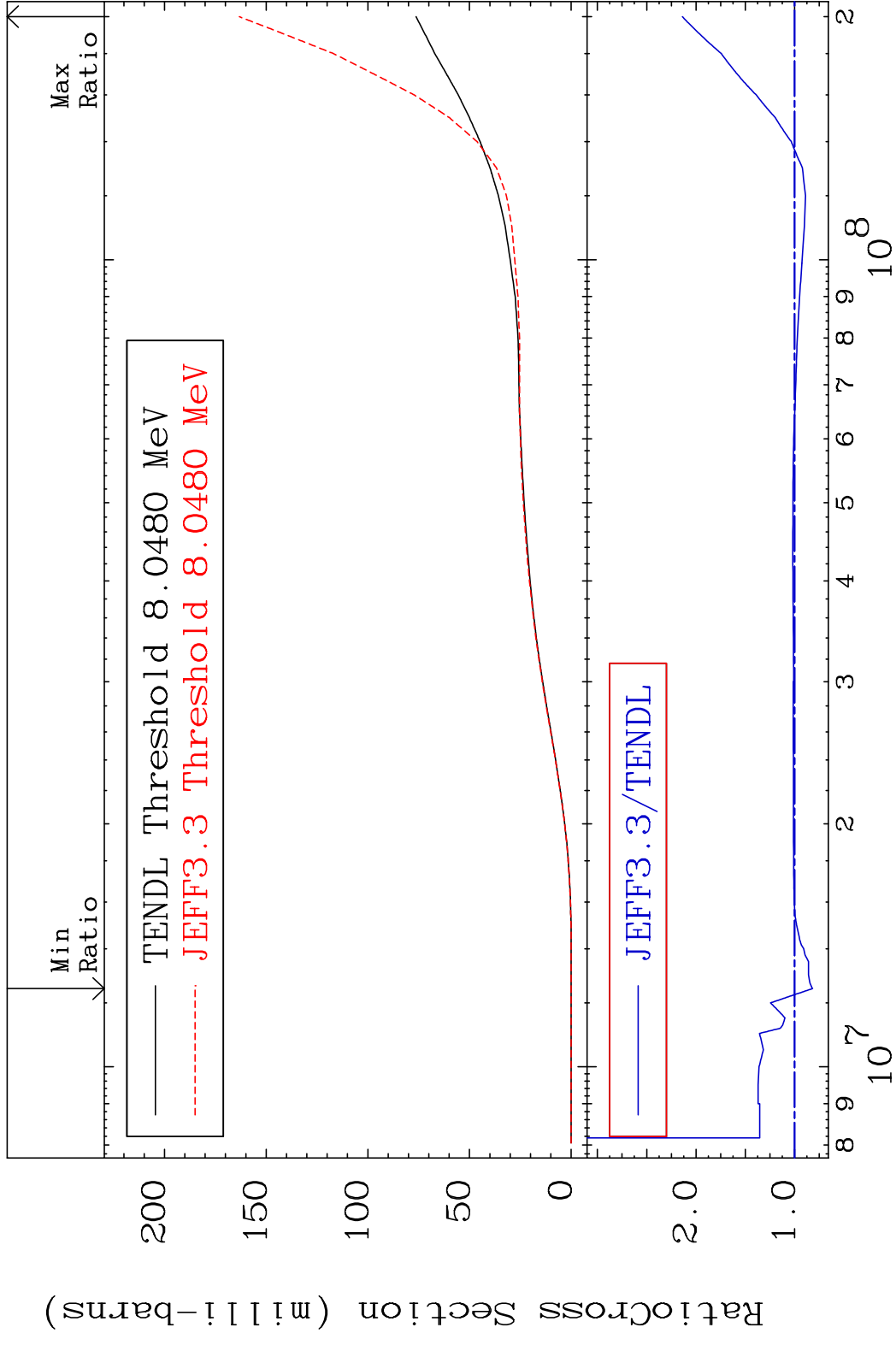
Incident Energy (eV)

³⁵Br-77

MAT 3519

Tritium Production
Cross Section -18.19 To 113.8 %

35-Br-77



64

Incident Energy (eV)

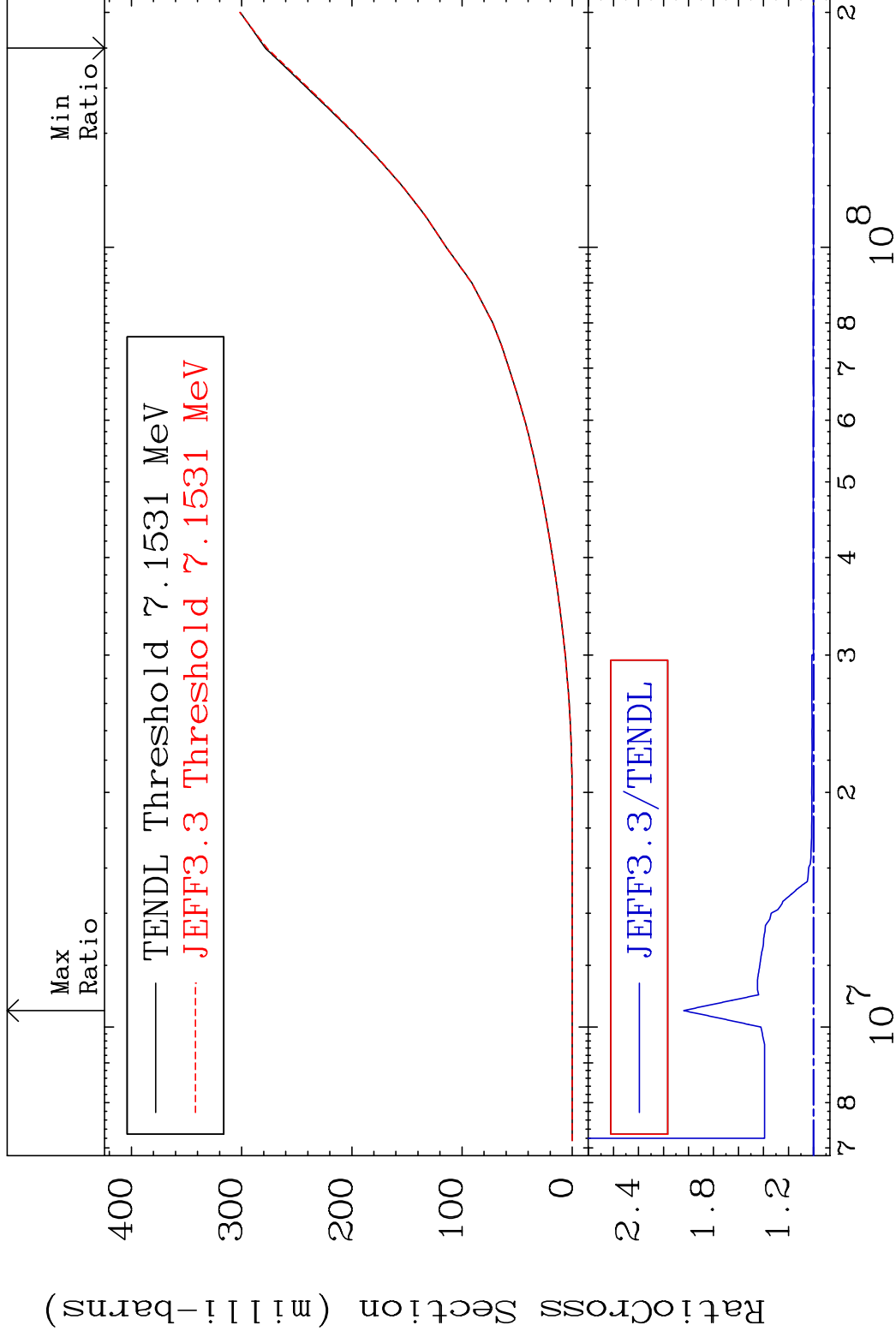
35-Br-77

MAT 3519

He-3 Production

35-Br-77

Cross Section -0.504 To 103.9 %



65

Incident Energy (eV)

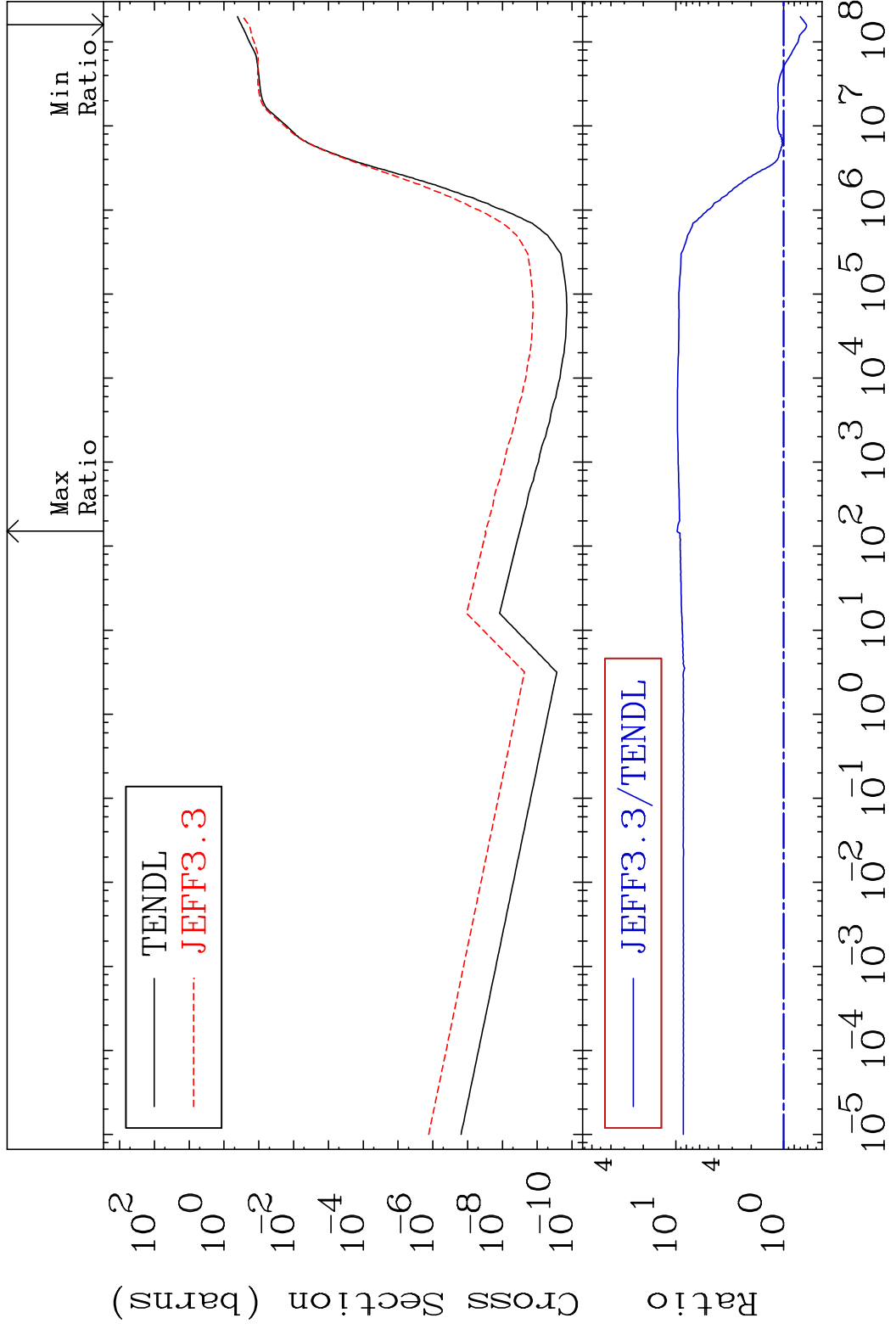
35-Br-77

MAT 3519

He-4 Production

35-Br-77

Cross Section -38.45 To 871.0 %

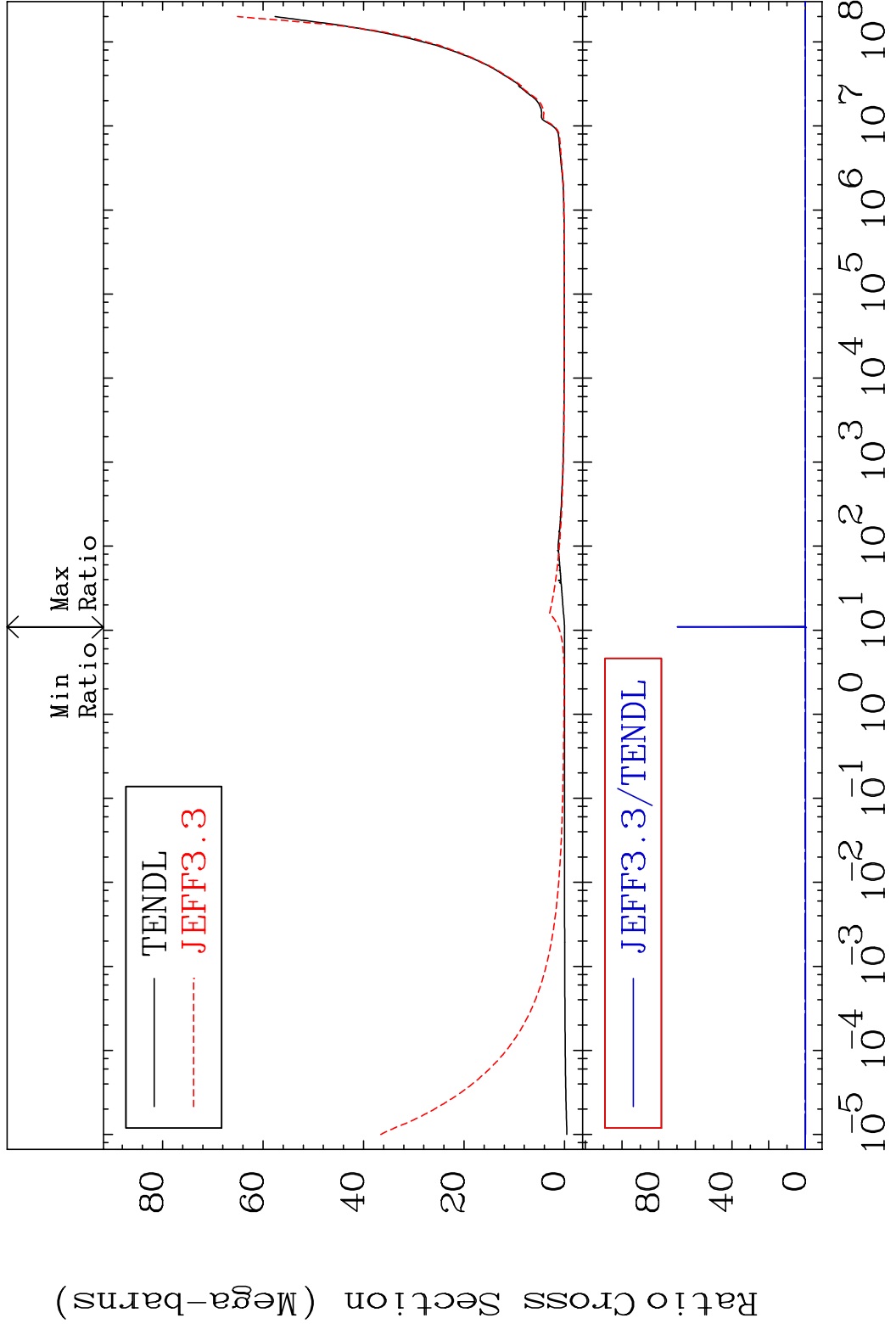


66

Incident Energy (eV)

35-Br-77

MAT 3519 Kerma total (eV-barns) 35-Br-77
 Cross Section -9999. To 9999. %

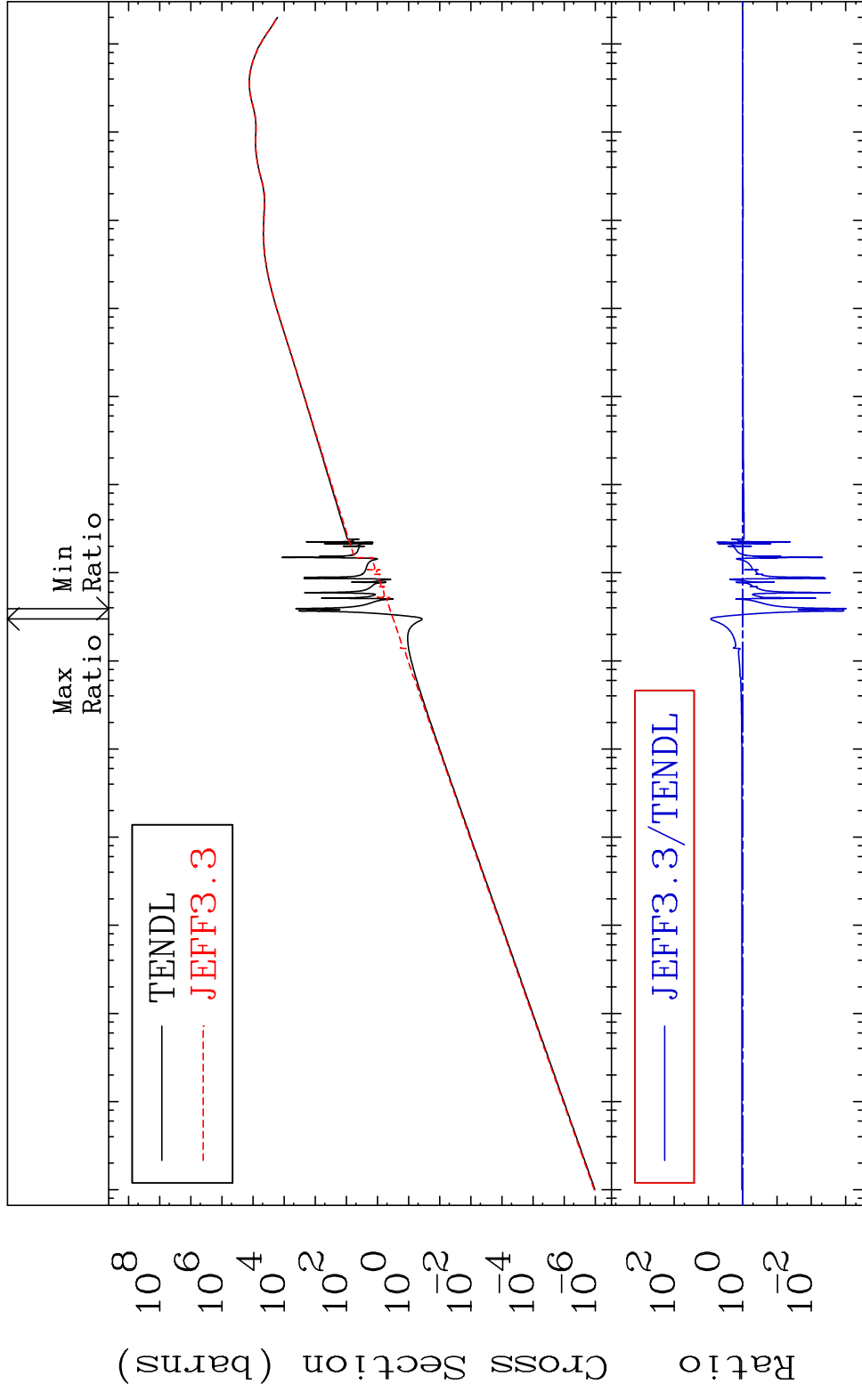


67 35-Br-77

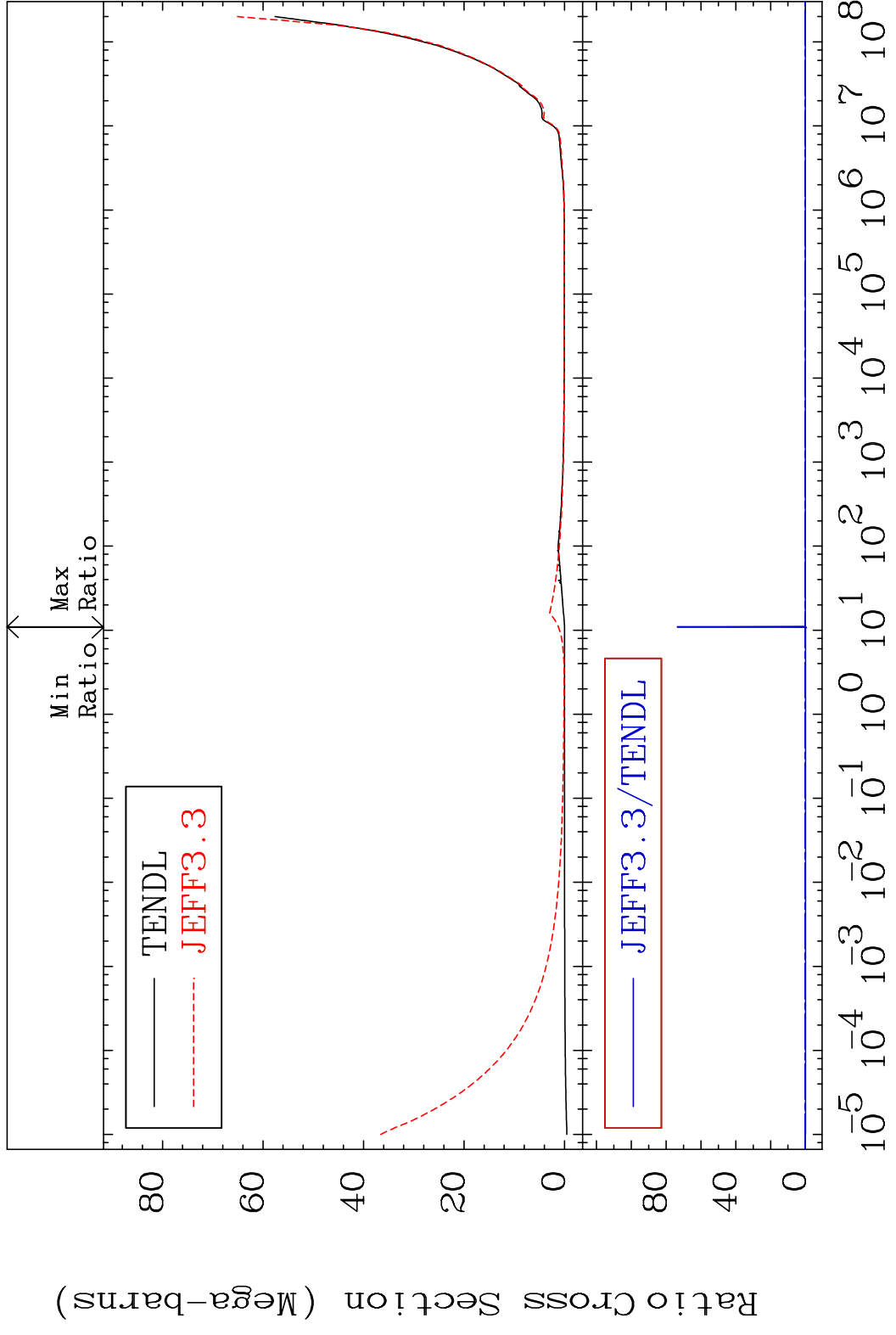
MAT 3519

Kerma elastic
Cross Section

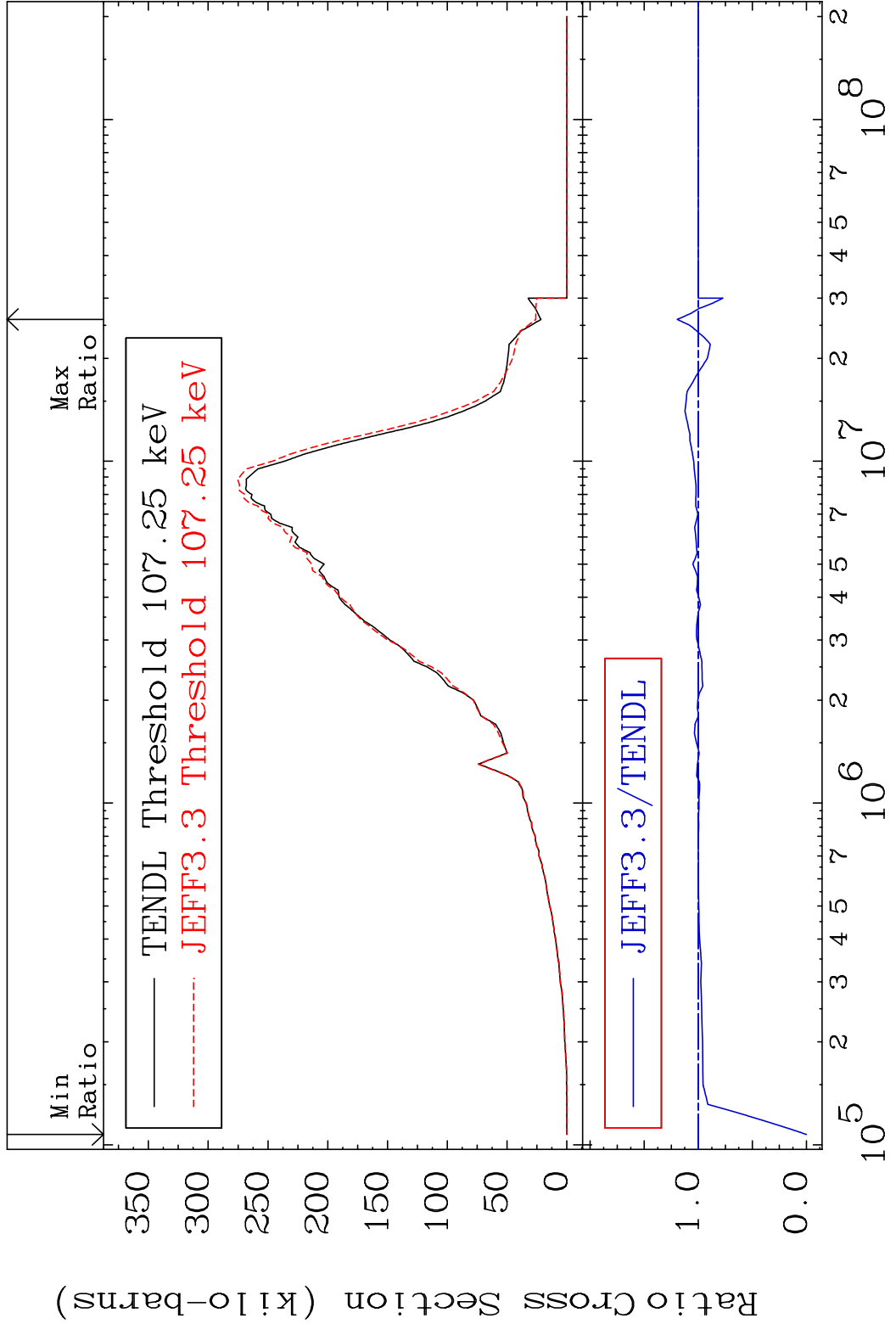
35-Br-77
-99.90 To 755.2 %



MAT 3519 Kerma non-elastic (all but mt2) 35-Br-77
 Cross Section -9999. To 9999. %

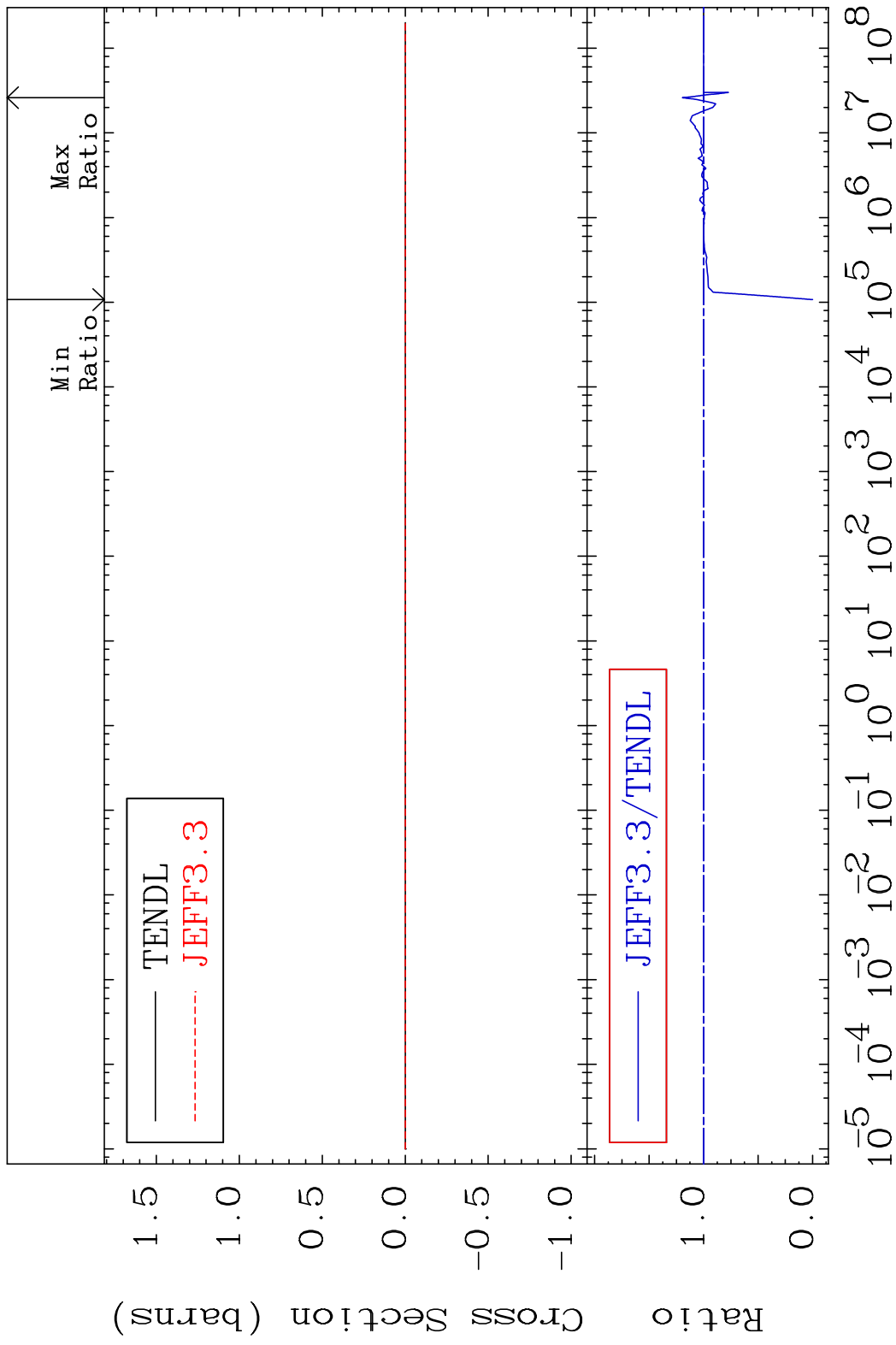


MAT 3519 Kerma inelastic (mt51-91) 35-Br-77
 Cross Section -100.0 To 19.53 %



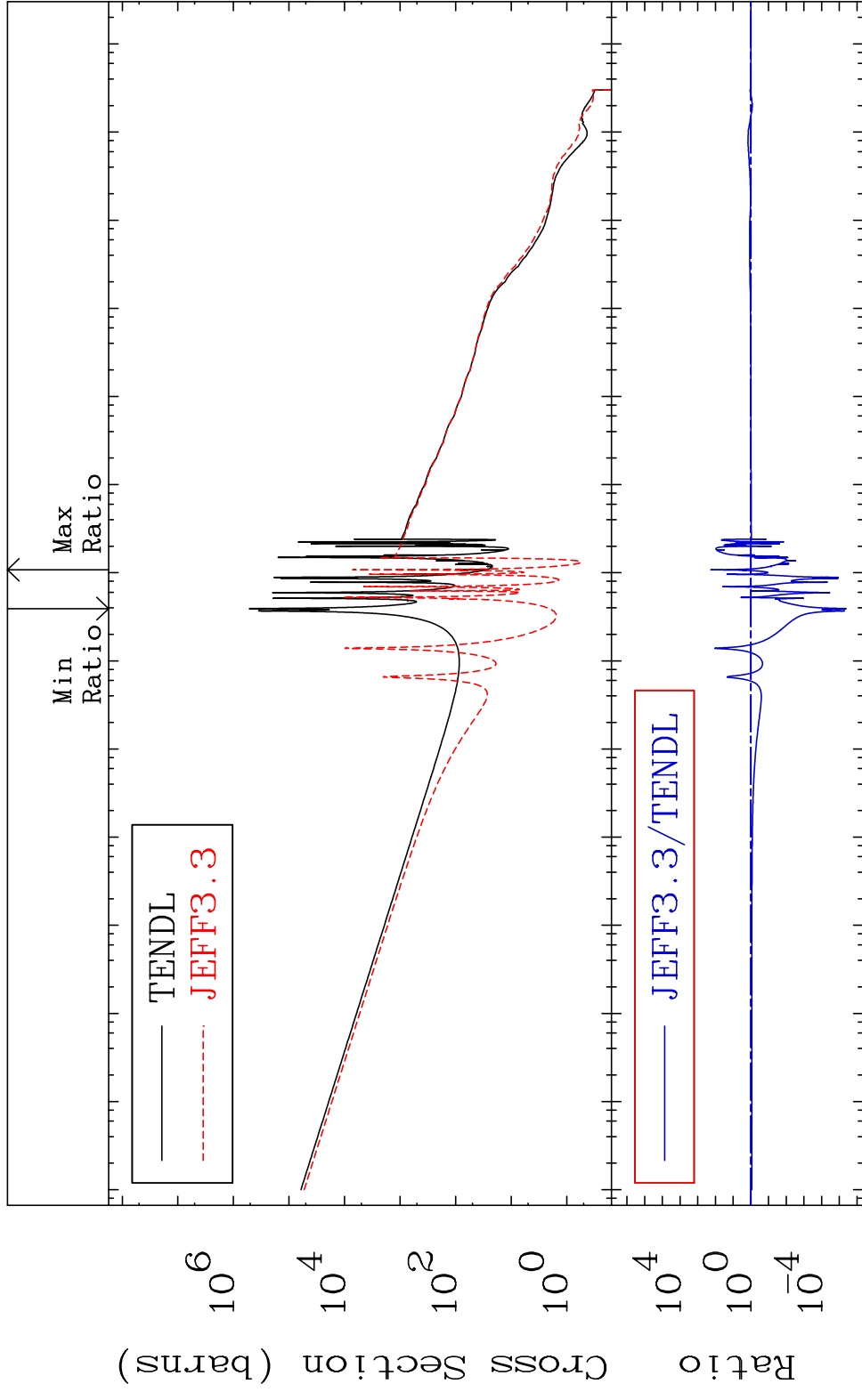
70 Incident Energy (eV) 35-Br-77

MAT 3519 Kerma fission (mt18 or mt19-20-21-38) 35-Br-77
 Cross Section -100.0 To 19.53 %

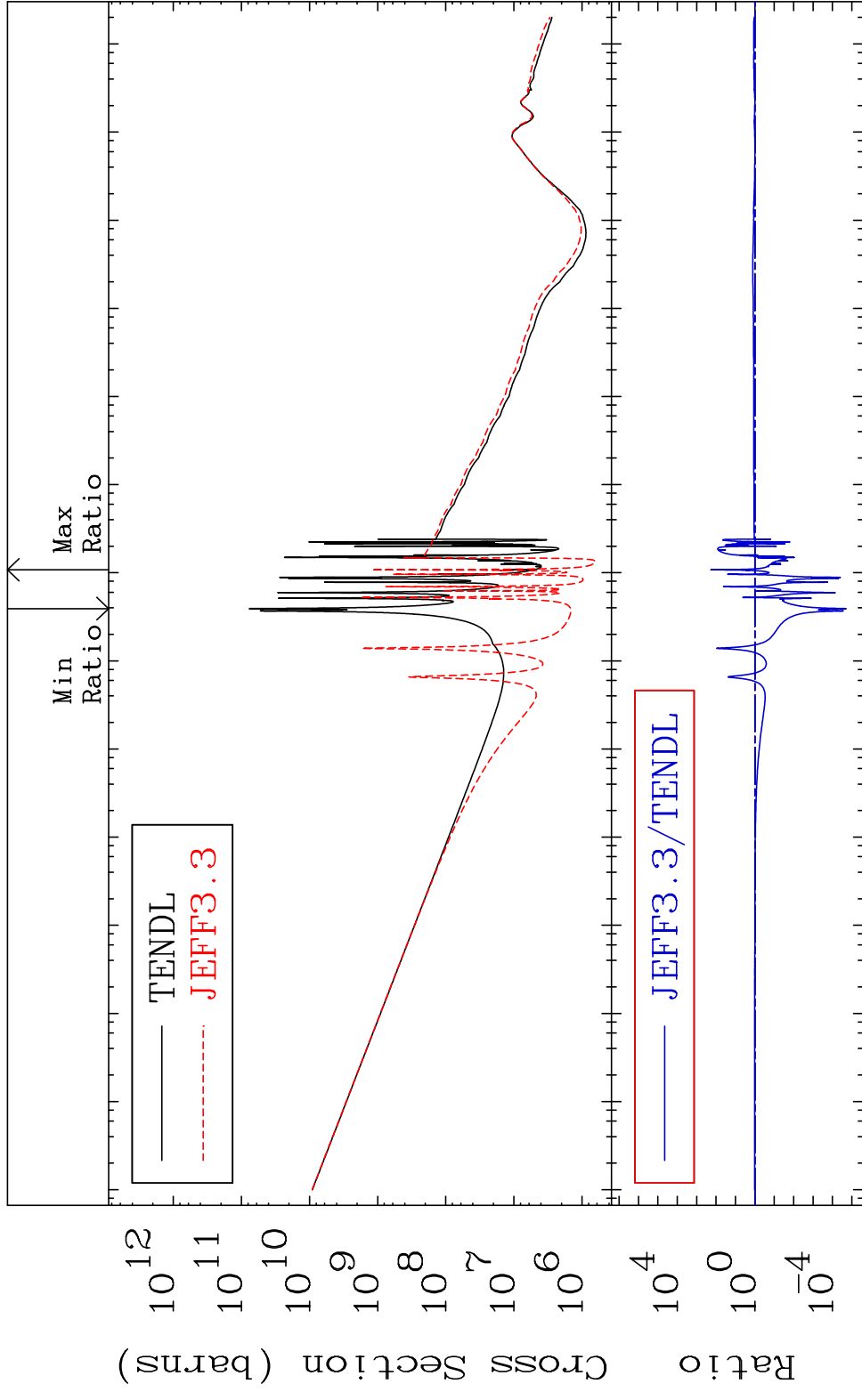


MAT 3519

Kerma capture (mt102) 35-Br-77
Cross Section -100.0 To 9999. %

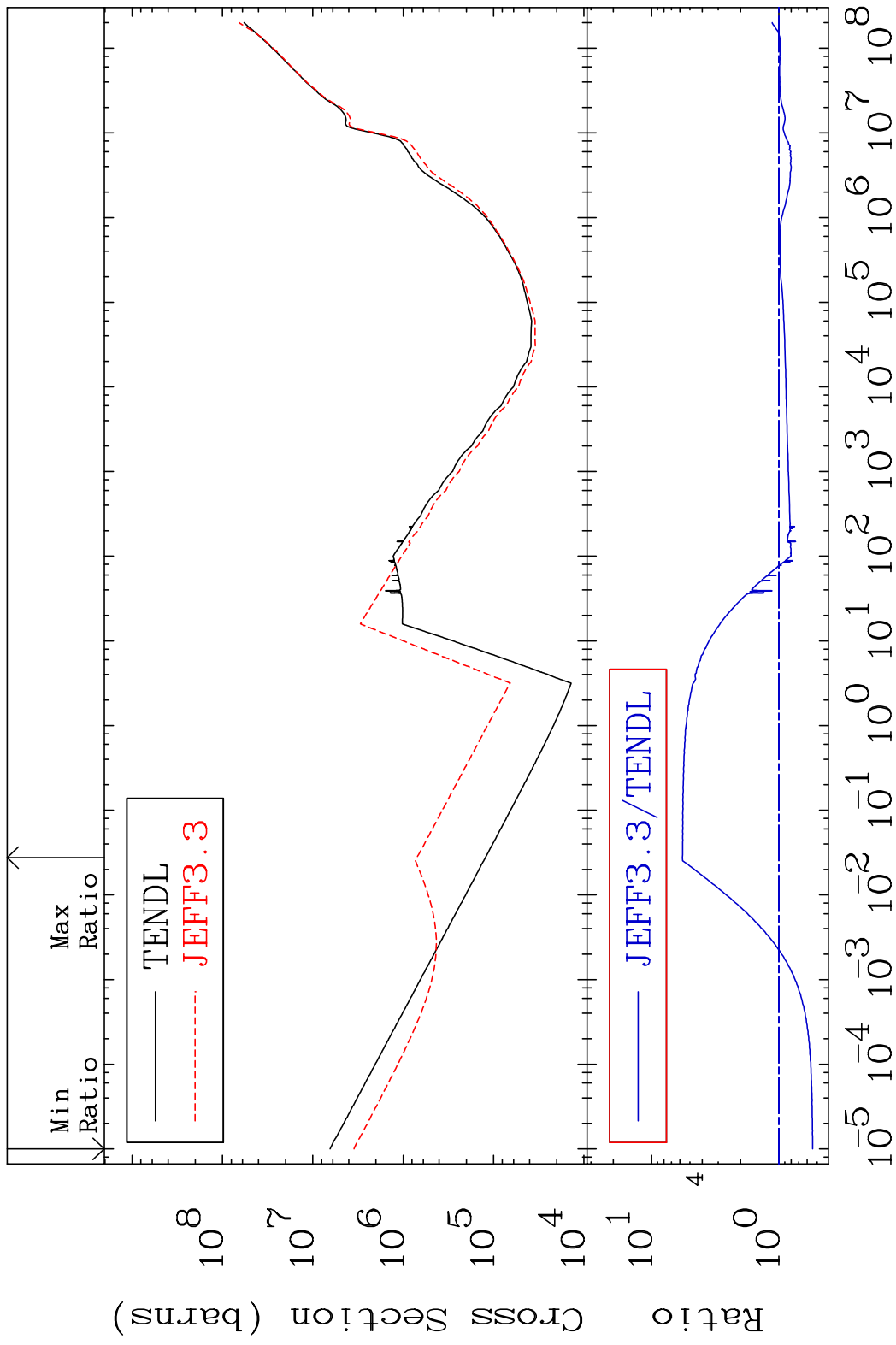


MAT 3519 Total photon (eV-barns) 35-Br-77
 Cross Section -100.0 To 9999. %



73 Incident Energy (eV) 35-Br-77

MAT 3519 Total kinematic kerma (high limit) 35-Br-77
 Cross Section -45.56 To 474.1 %

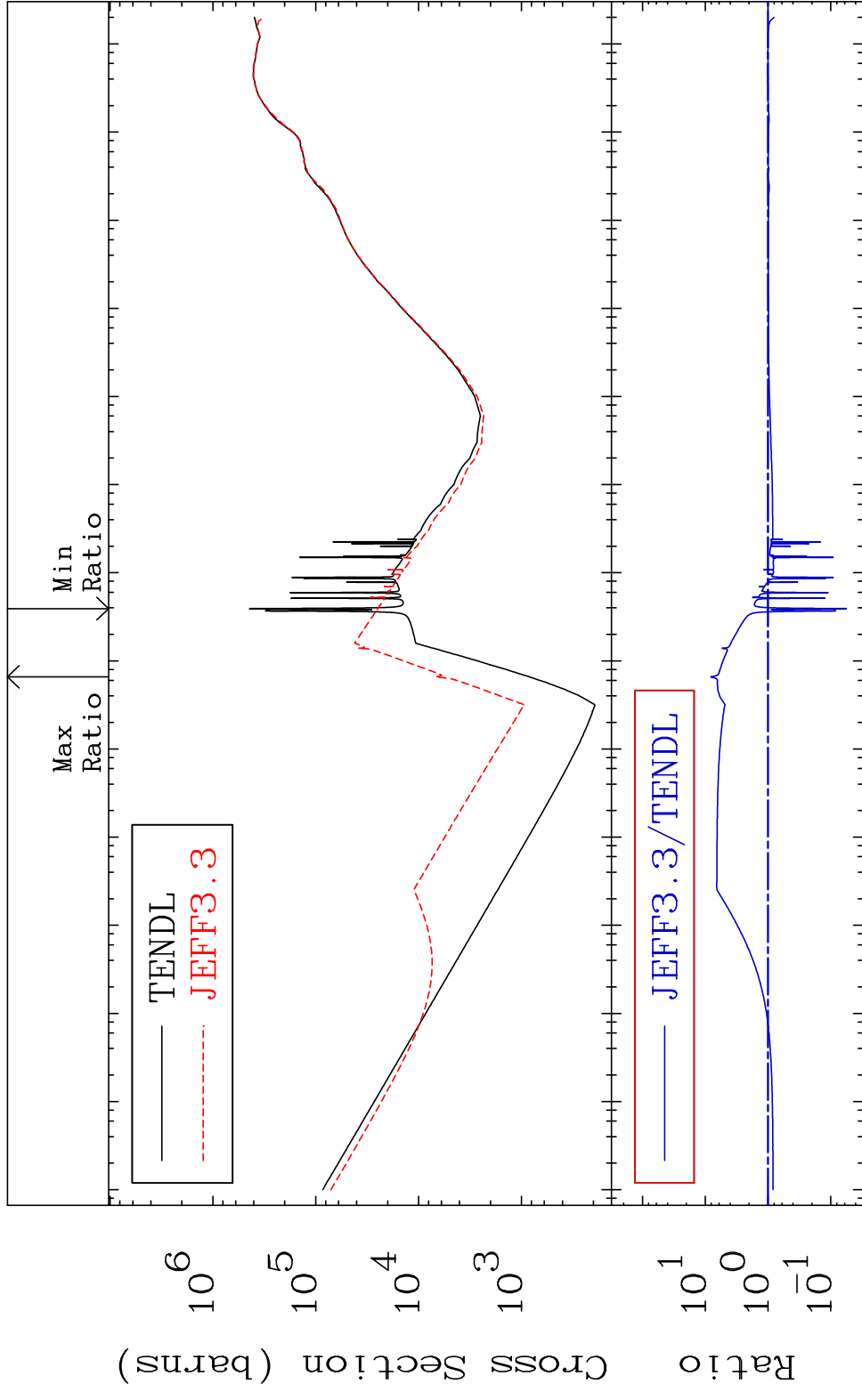


MAT 3519

Dpa total (eV-barns)

35-Br-77

Cross Section -94.36 To 718.1 %



75

Incident Energy (eV)

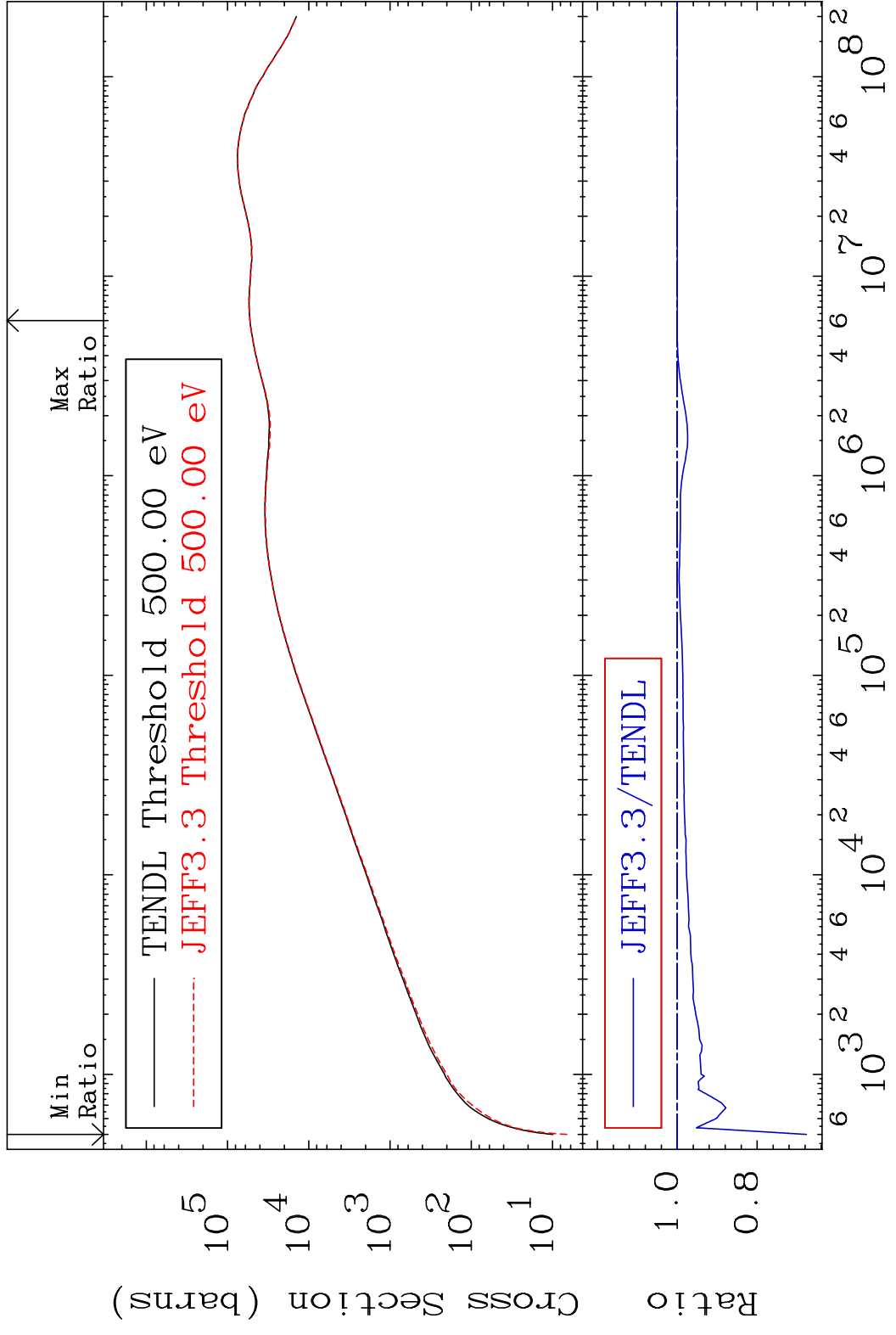
35-Br-77

MAT 3519

Dpa elastic (mt2)

35-Br-77

Cross Section -32.33 To 0.020 %



76

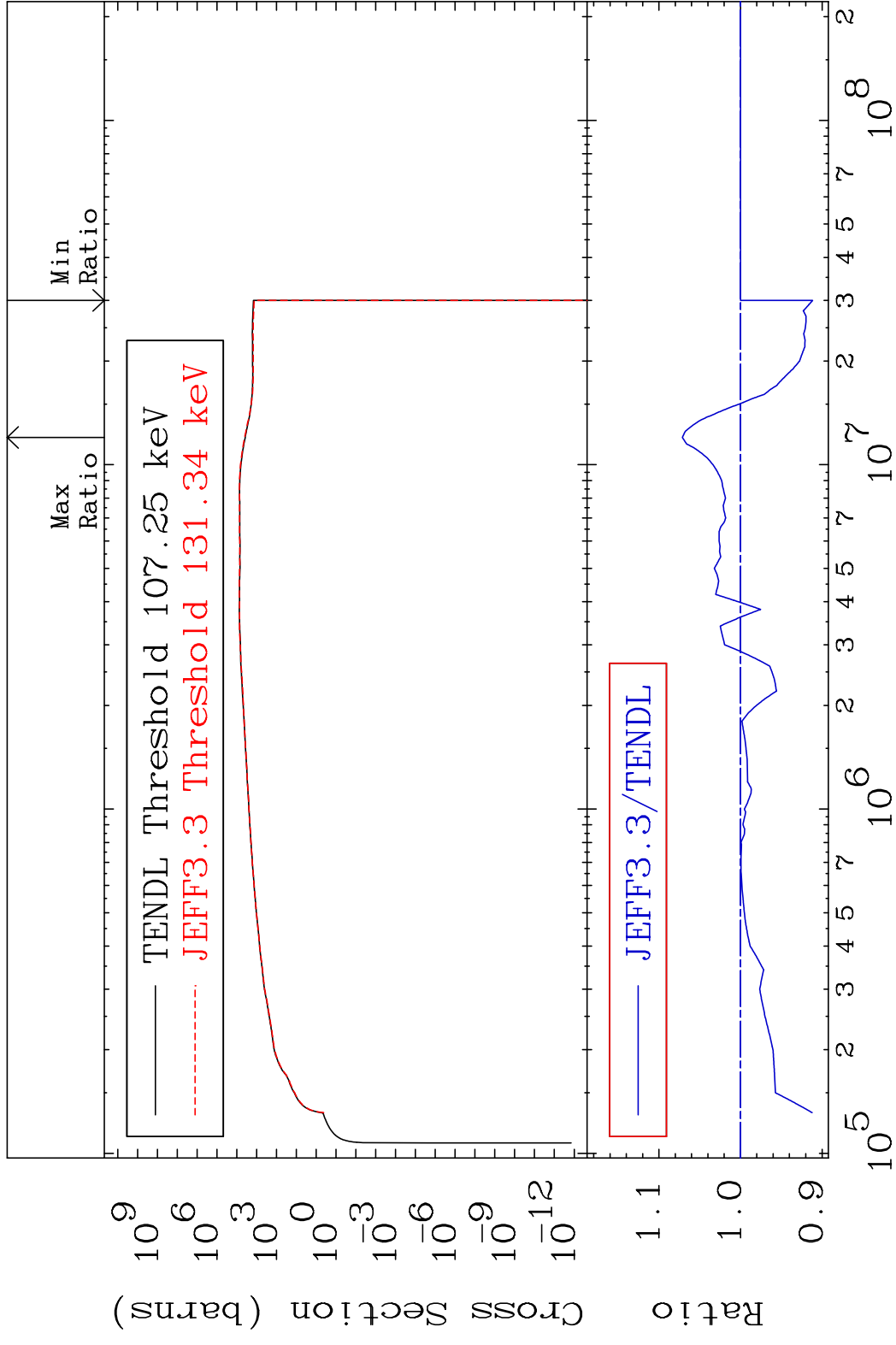
Incident Energy (eV)

35-Br-77

MAT 3519

Dpa inelastic (mt51-91) 35-Br-77

Cross Section -8.832 To 7.130 %

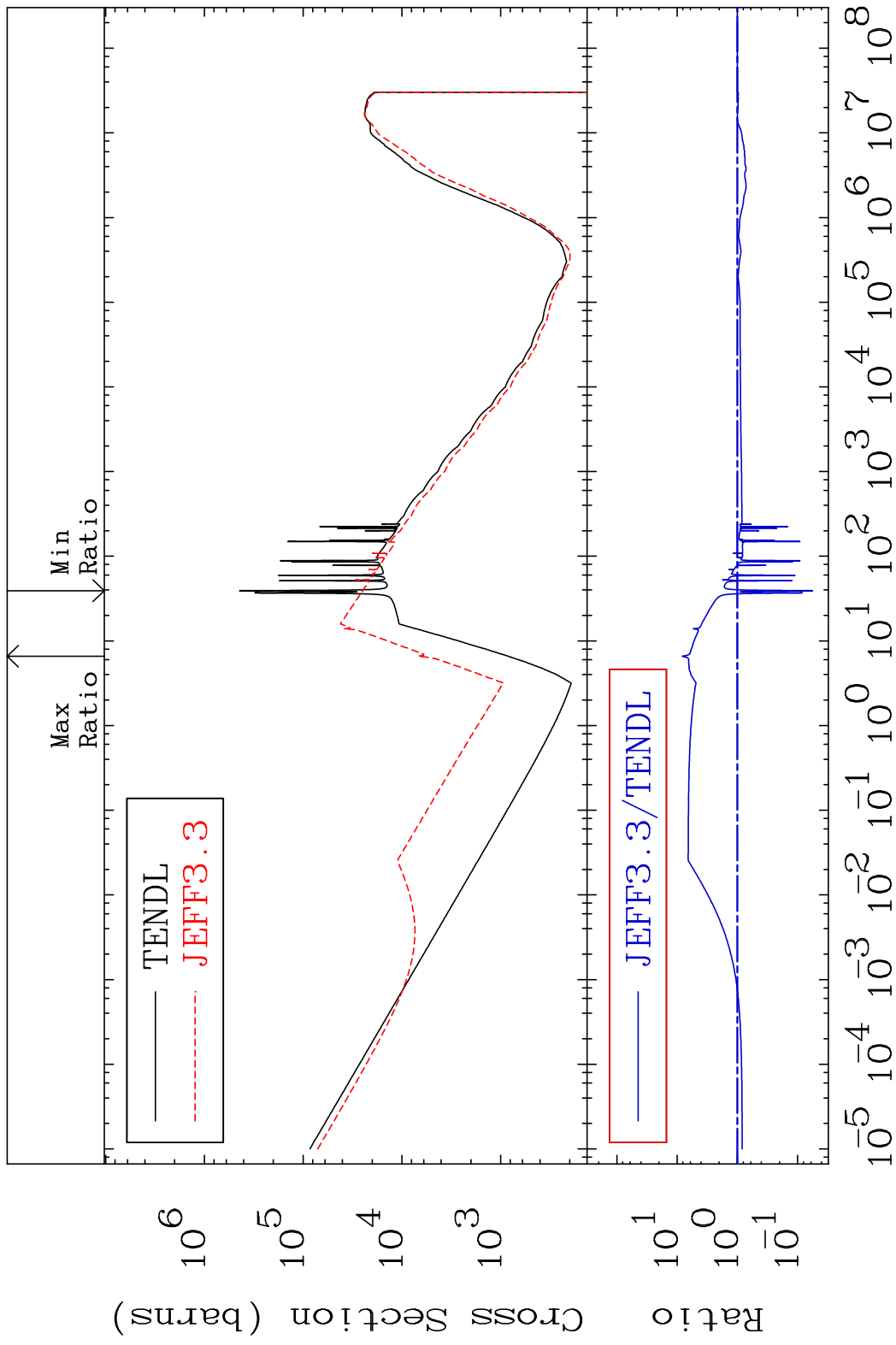


77

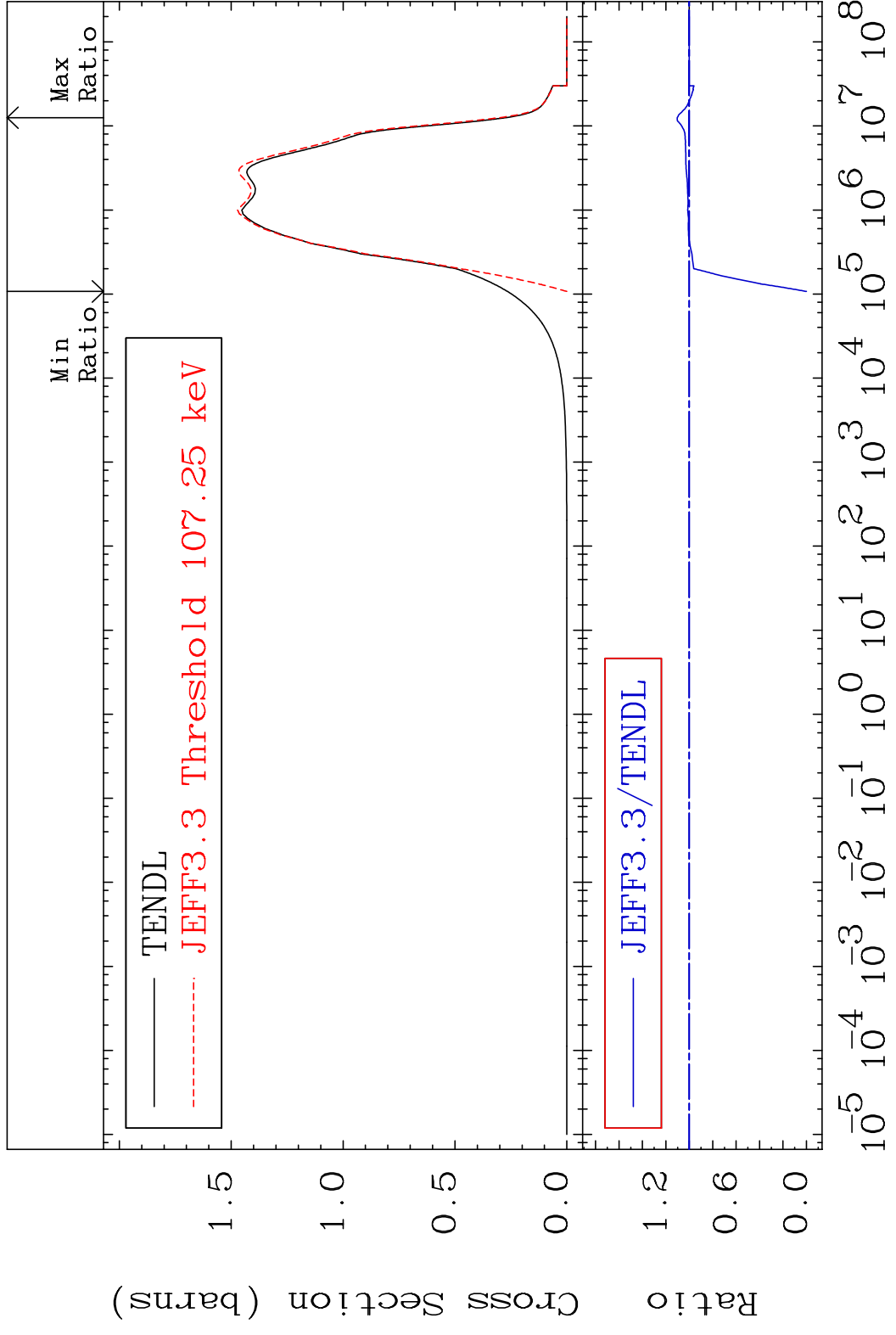
Incident Energy (eV)

35-Br-77

MAT 3519 Dpa disappearance (mt102 -120) 35-Br-77
 Cross Section -94.36 To 718.1 %

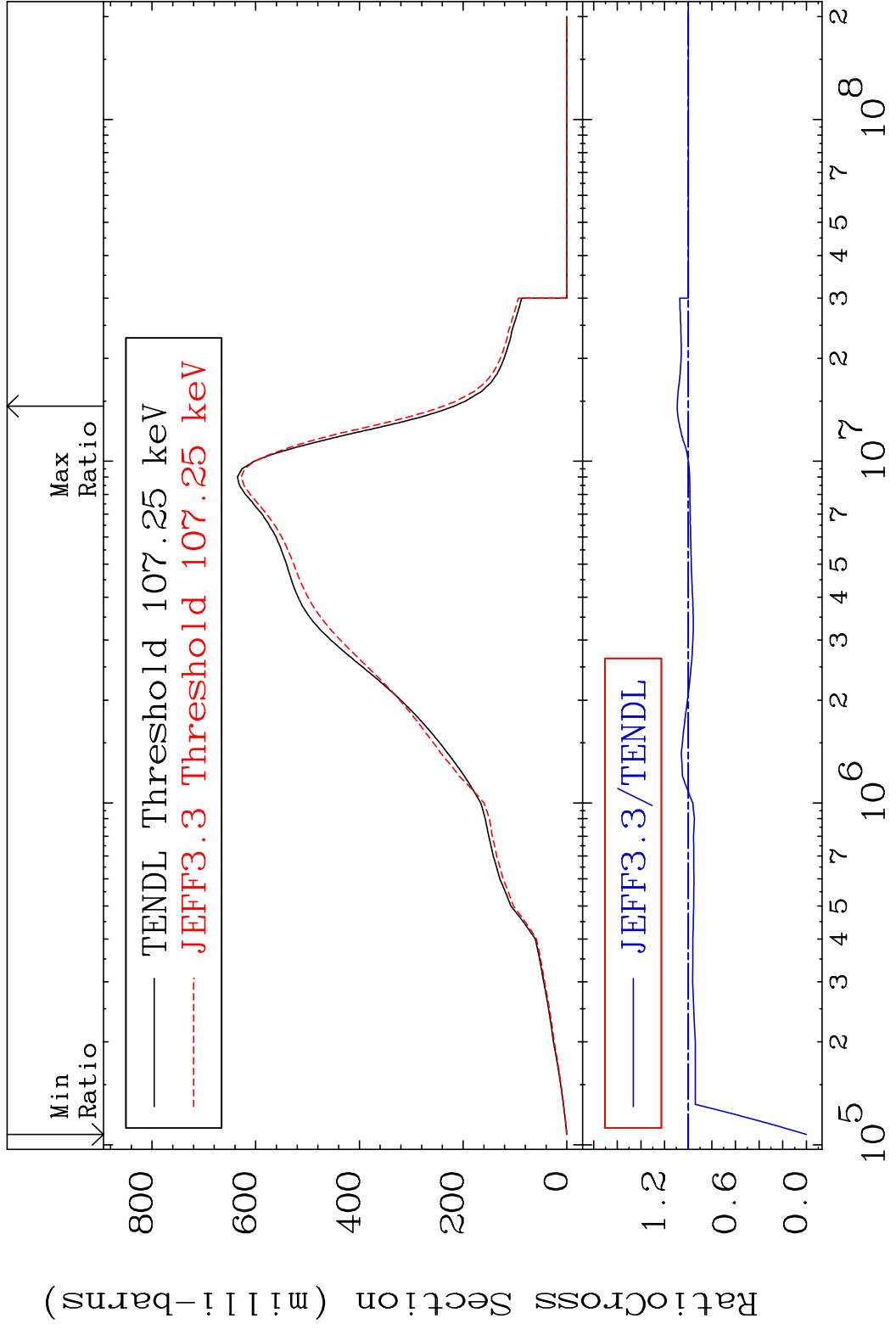


MAT 3519 Inelastic:35-Br-77g 35-Br-77
 Radionuclide Production Cross Section 100.0 dth 10.33 %



79 Incident Energy (eV) 35-Br-77

MAT 3519 Inelastic:35-Br-77m1 35-Br-77
 Radionuclide Production Cross Section Ratio 9.330 %



80 Incident Energy (eV) 35-Br-77

MAT 3519 (n,2n):35-Br-76g 35-Br-77
 Radionuclide Production Cross Section 180.0 dno 144.8 %

