

Program Complot
(Version 2021-1)

by

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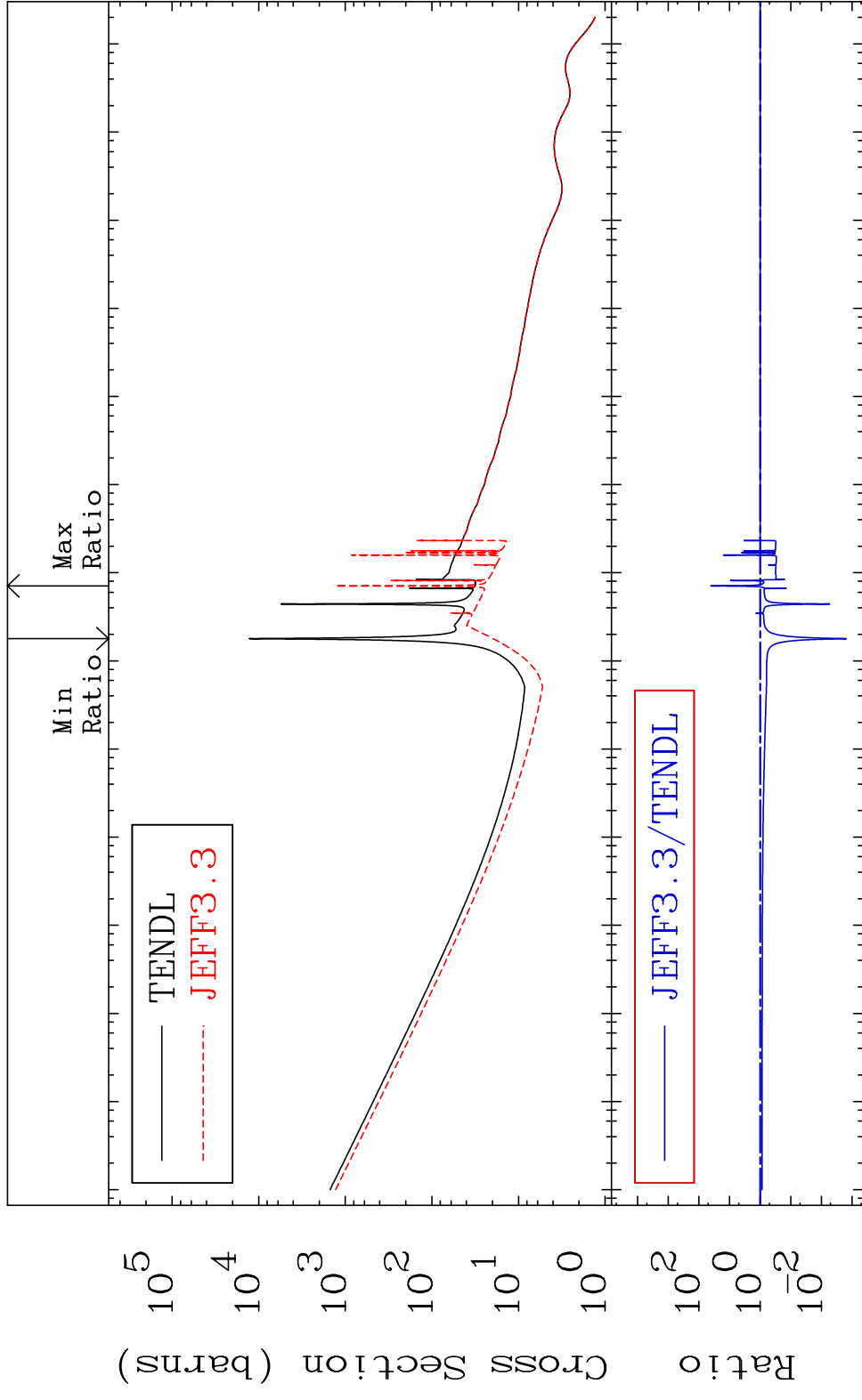
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3313

Total Cross Section -99.85 To 4008. %

33-As-71



1

Incident Energy (eV)

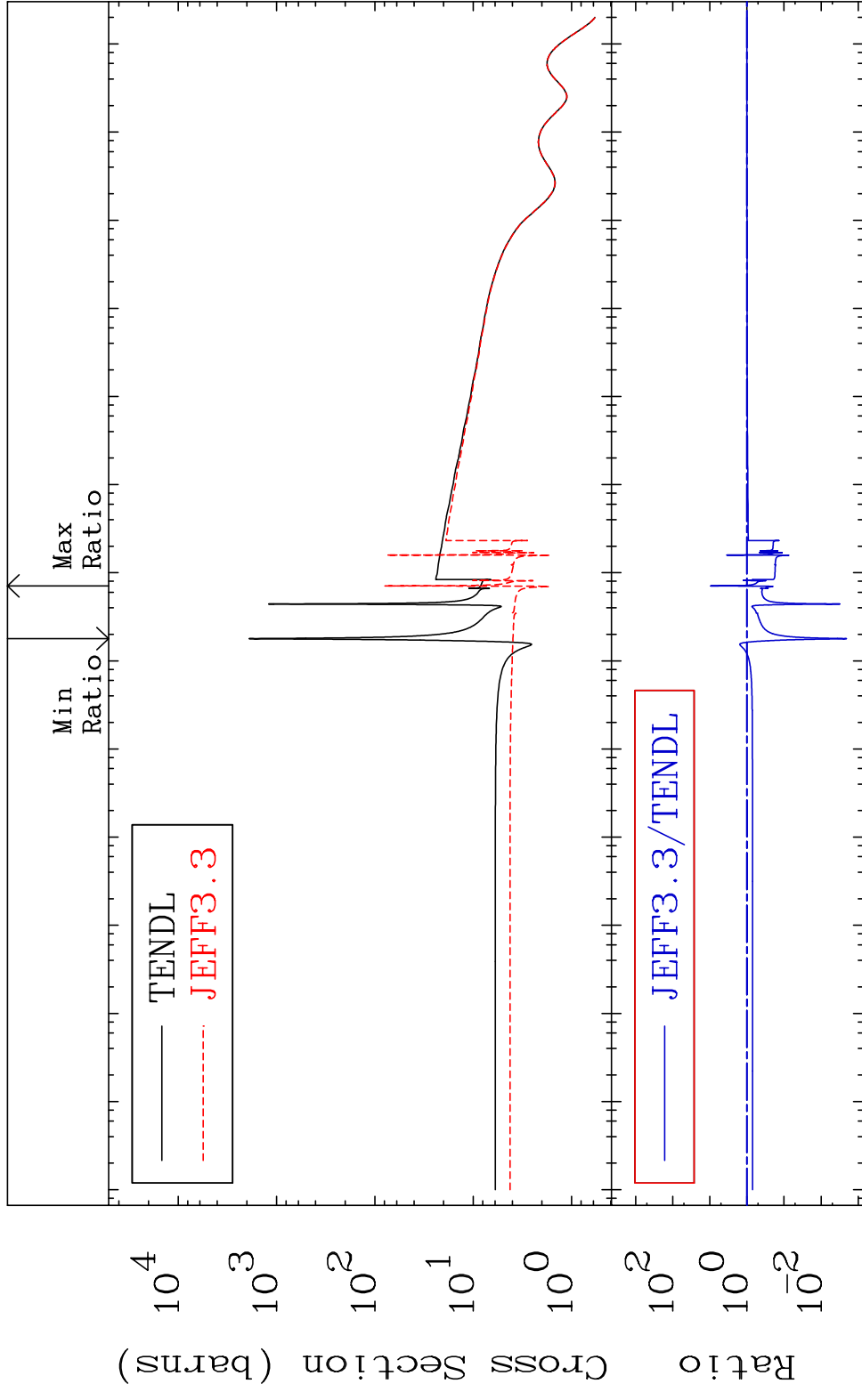
33-As-71

MAT 3313

Elastic

33-As-71

Cross Section -99.79 To 849.8 %

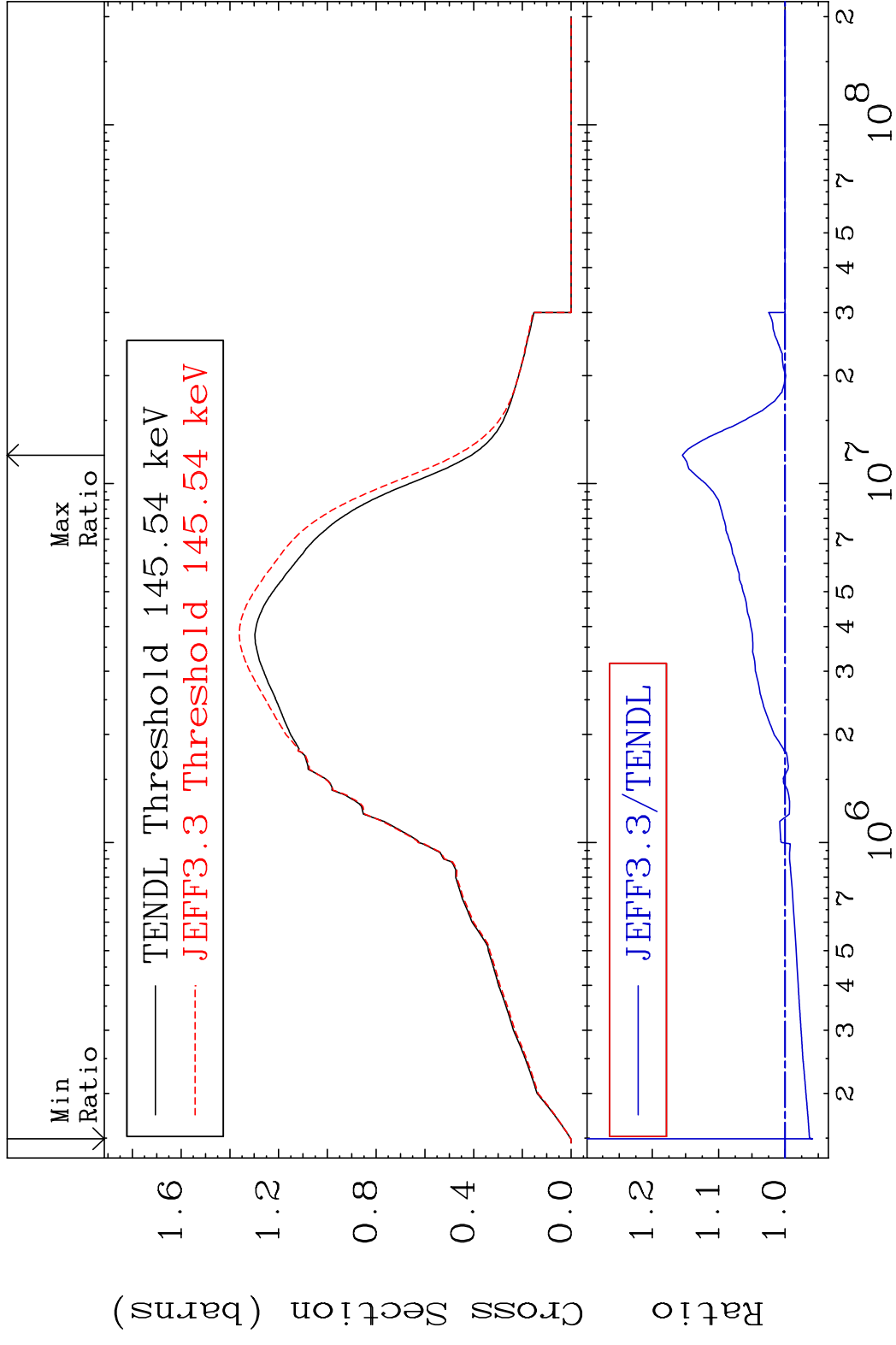


2

Incident Energy (eV)

33-As-71

MAT 3313 Inelastic 33-As-71
 Cross Section -4.141 To 15.48 %

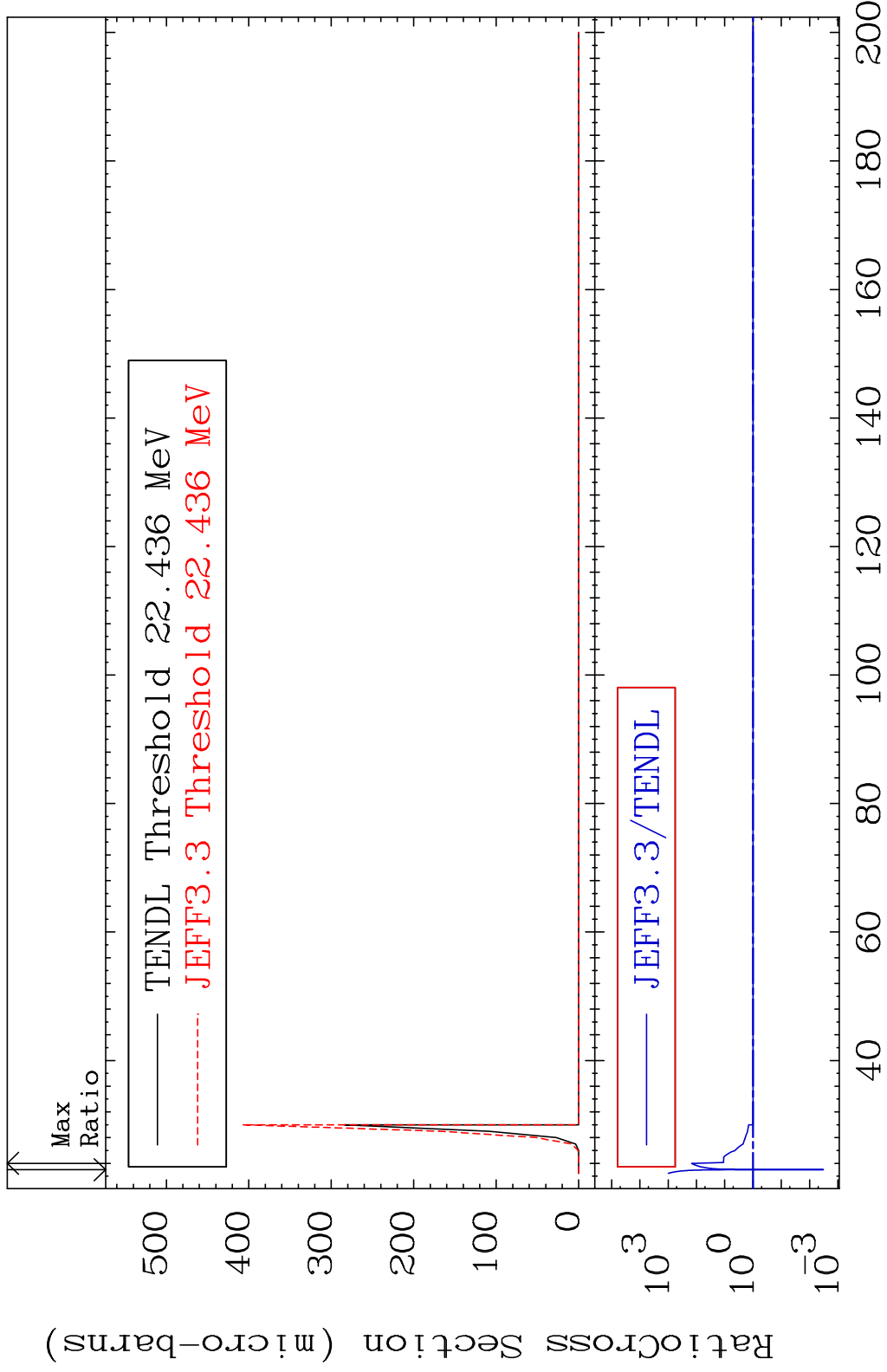


MAT 3313

(n,2n) d

33-As-71

Cross Section -99.67 To 9999. %

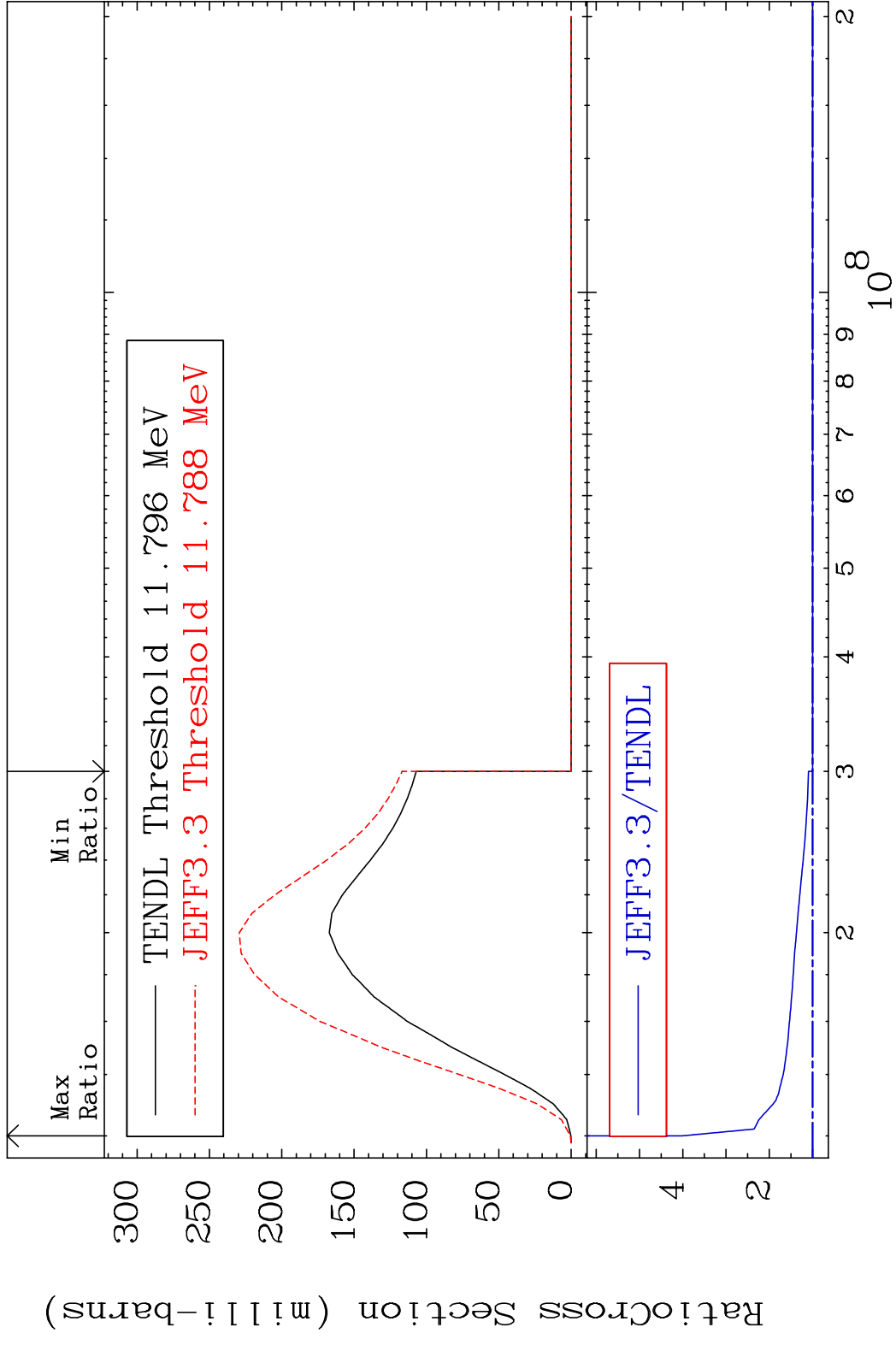


MAT 3313

(n,2n)

33-As-71

Cross Section 0.000 To 300.9 %

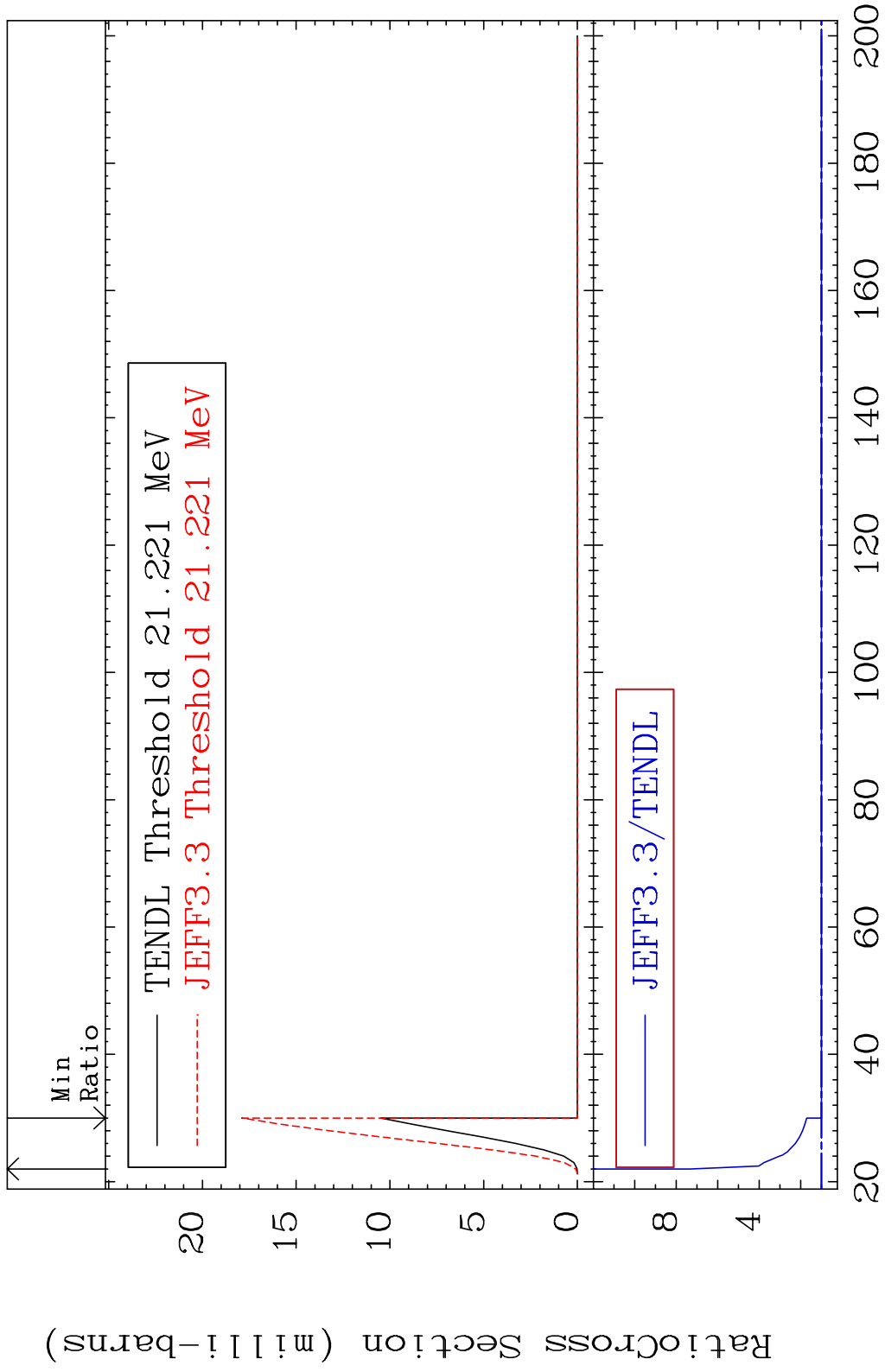


MAT 3313

(n,3n)

33-As-71

Cross Section 0.000 To 634.8 %

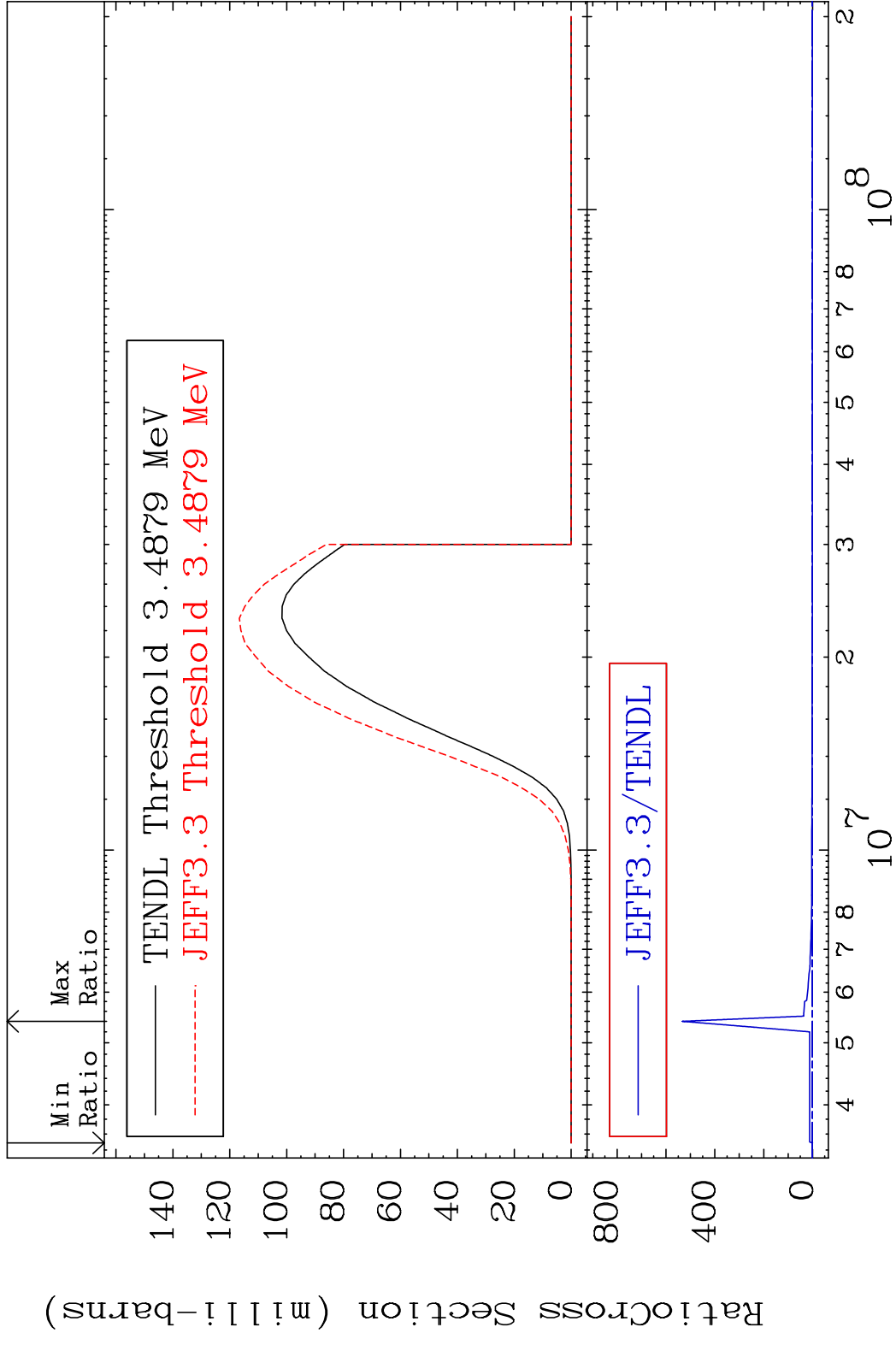


MAT 3313

(n, n') α

33-As-71

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

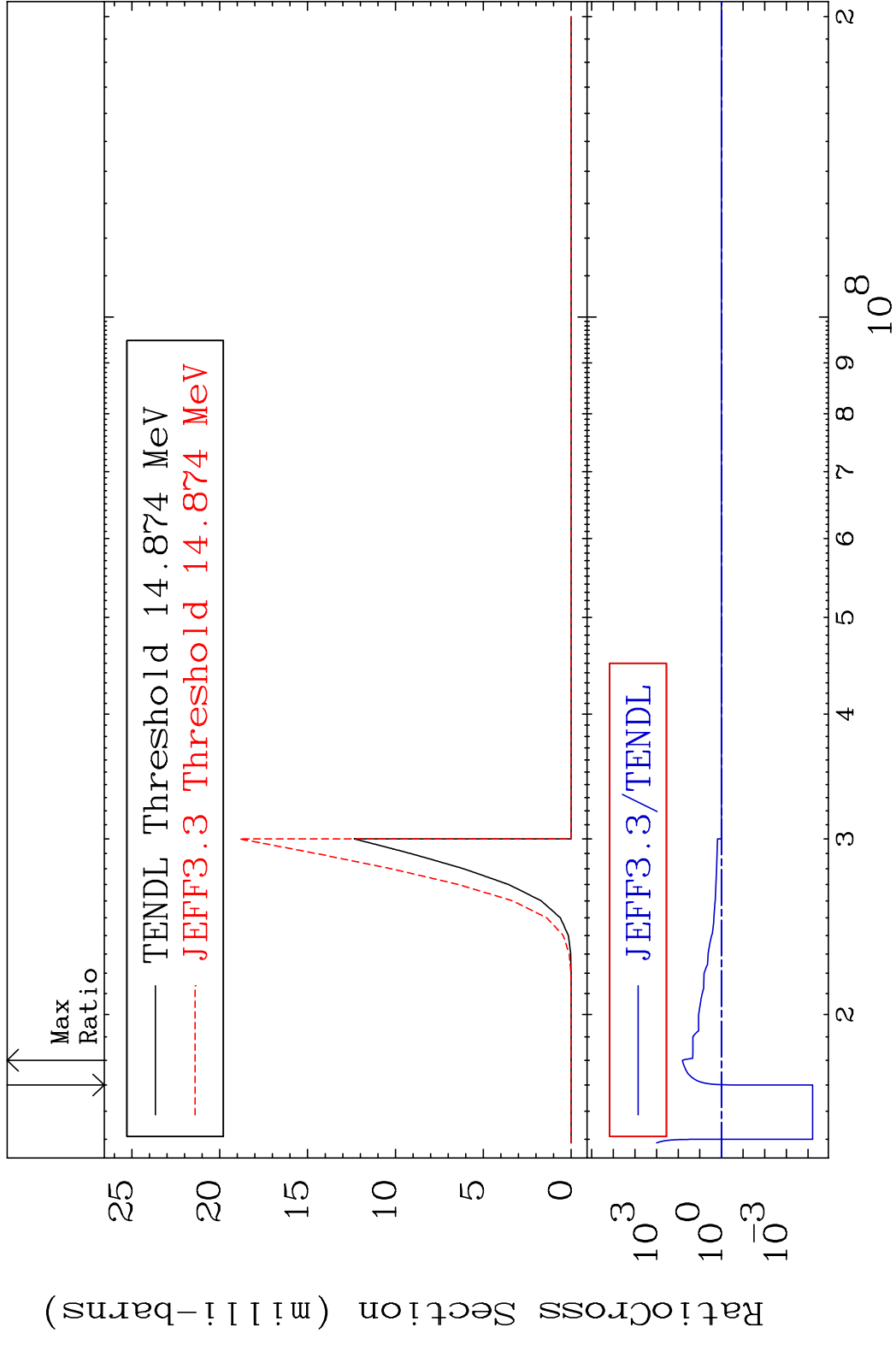
33-As-71

MAT 3313

(n,2n) α

33-As-71

Cross Section -99.99 To 6312. %

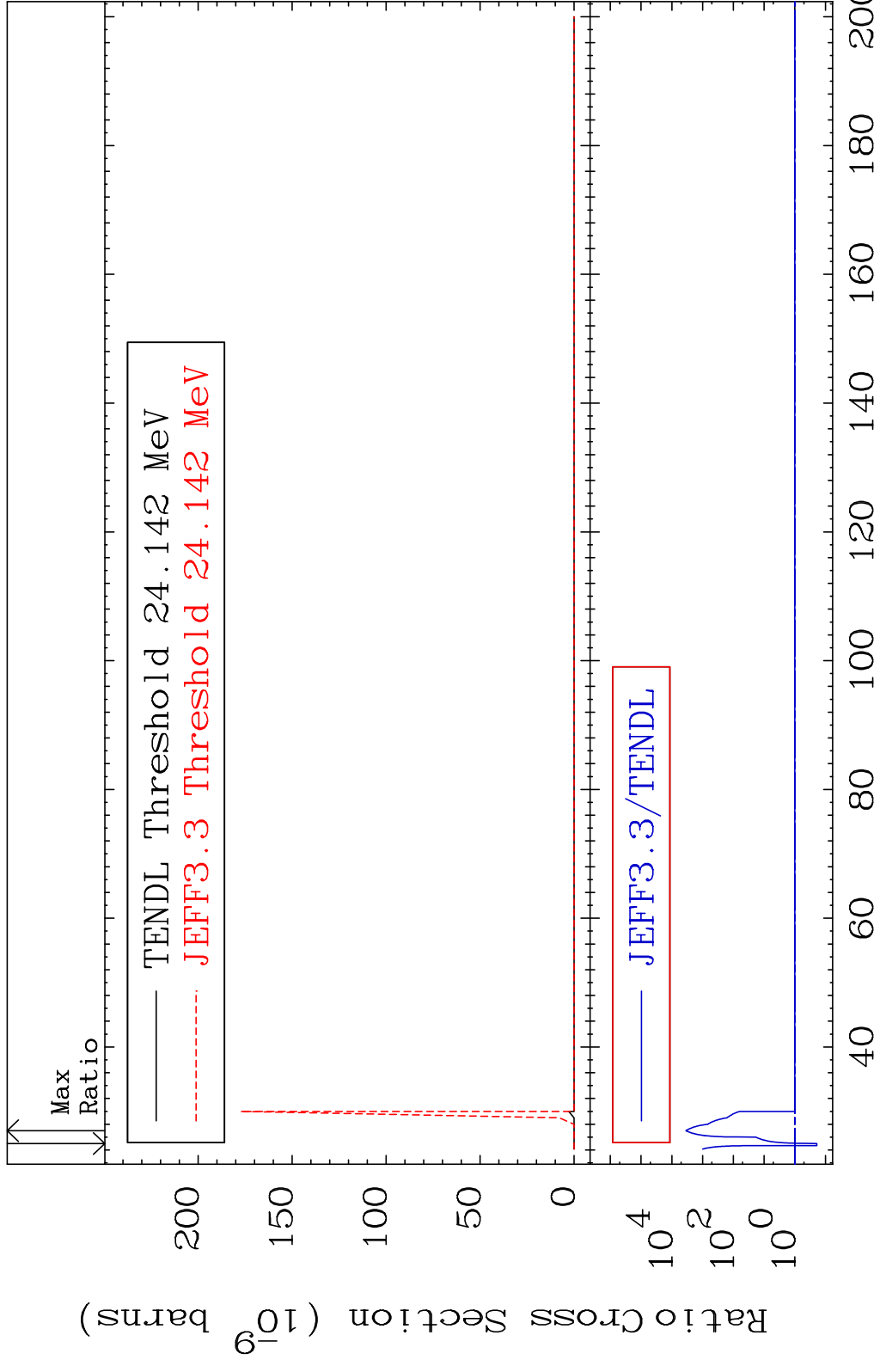


MAT 3313

(n,3n) α

33-As-71

Cross Section -80.77 To 9999. %

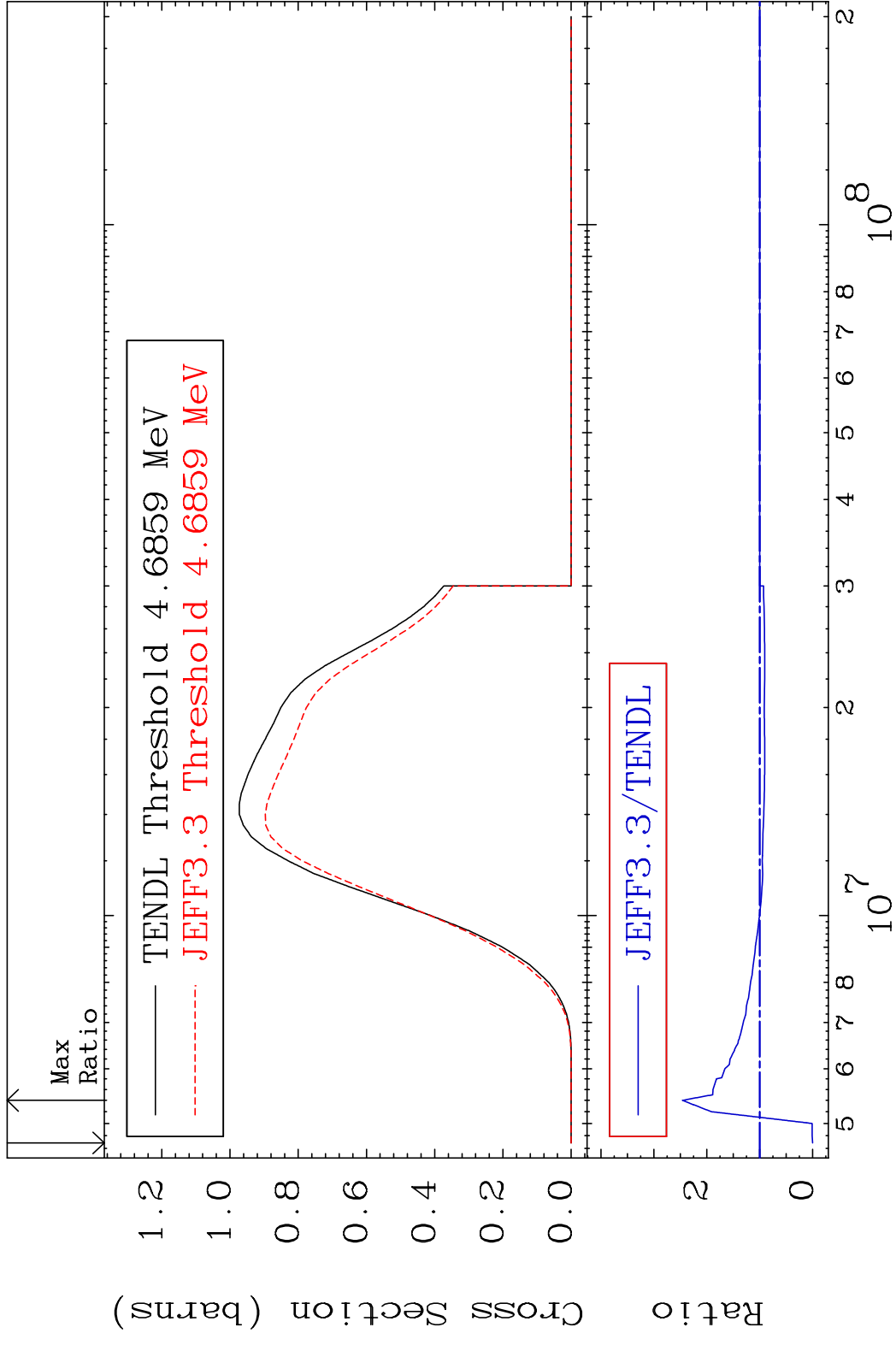


MAT 3313

(n, n') p

33-As-71

Cross Section -100.0 To 146.3 %

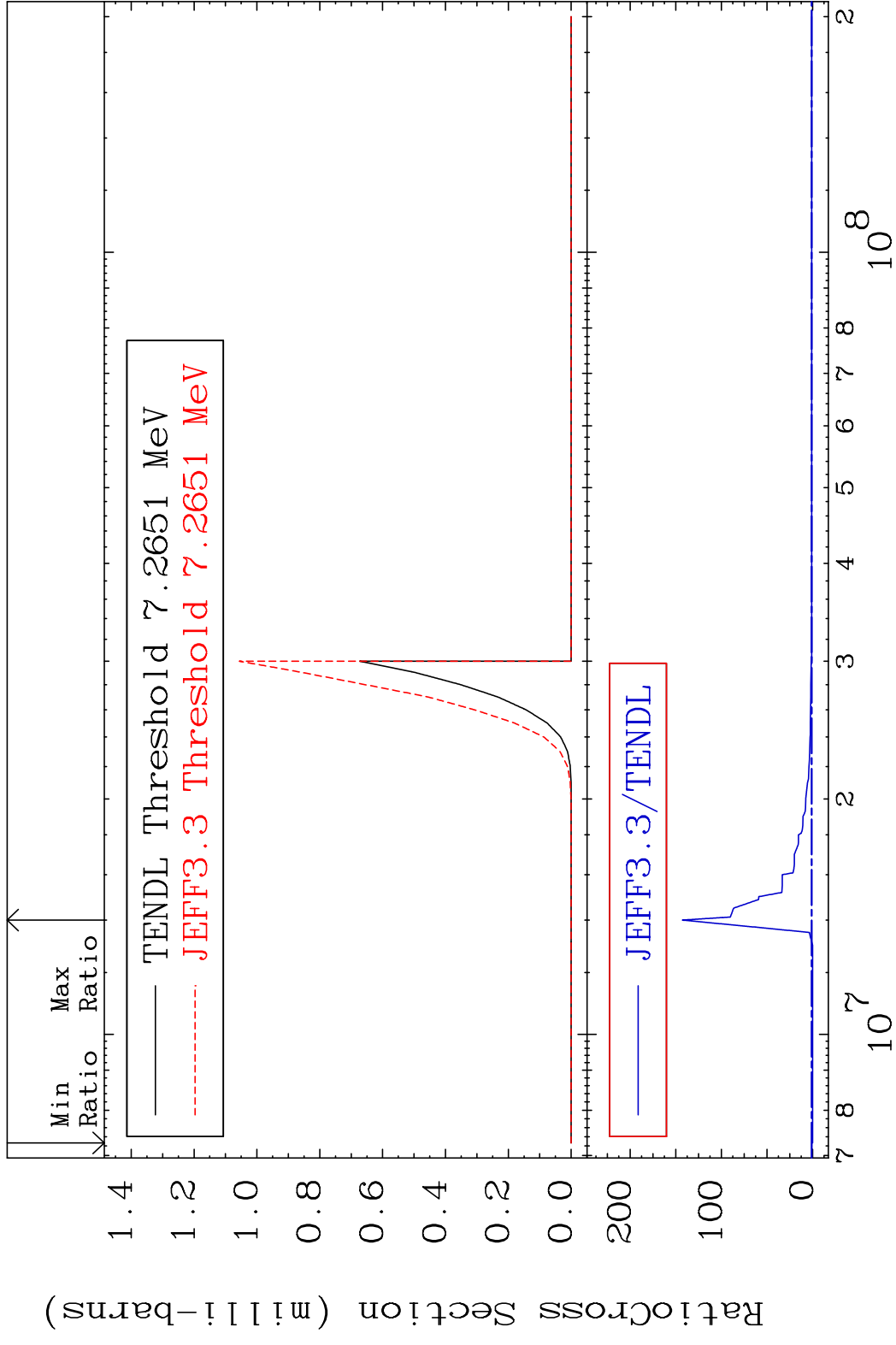


10

Incident Energy (eV)

33-As-71

MAT 3313 (n, n') 2α 33-As-71
 Cross Section -100.0 To 9999. %

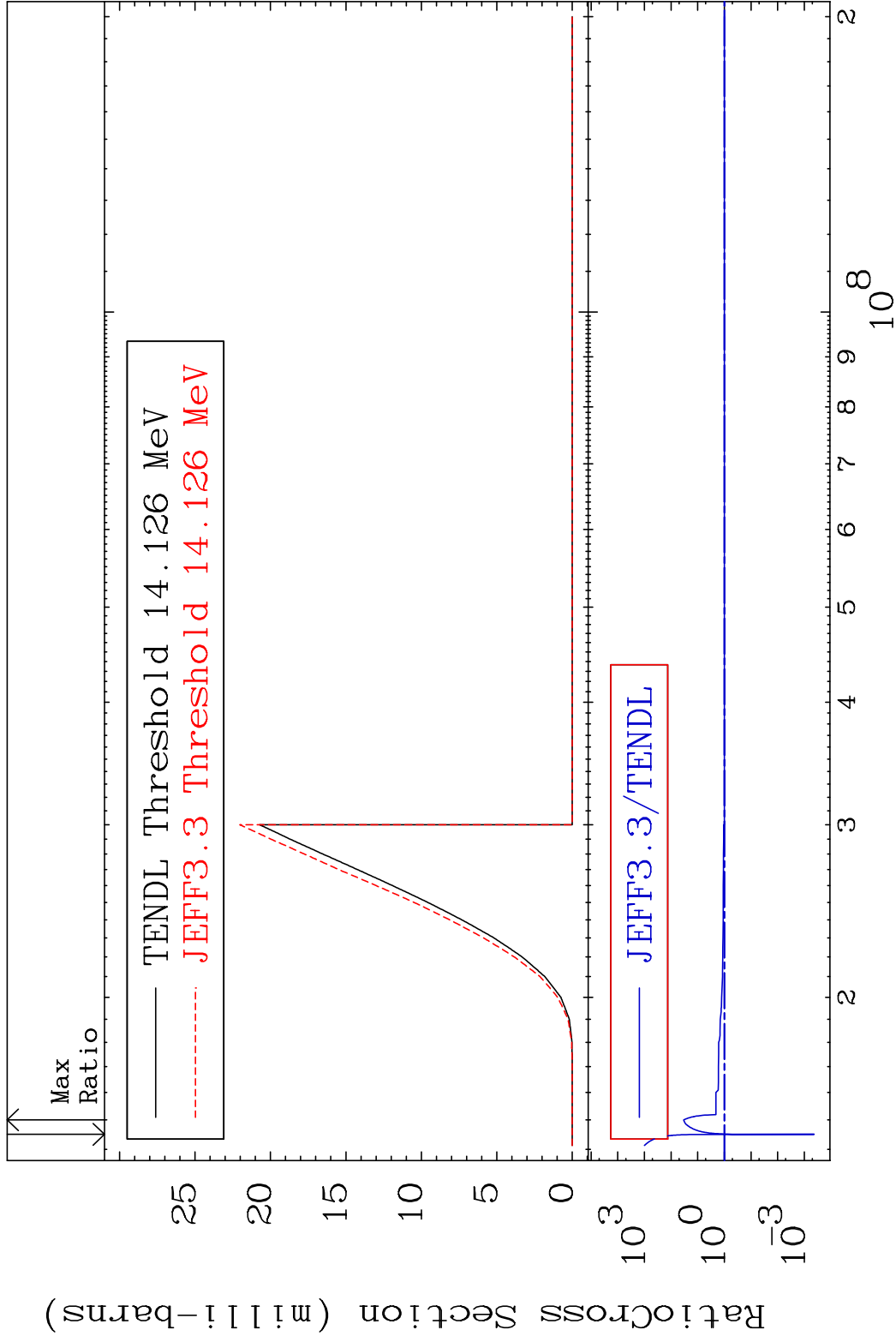


MAT 3313

(n, n') d

33-As-71

Cross Section -99.96 To 3264. %



12

Incident Energy (eV)

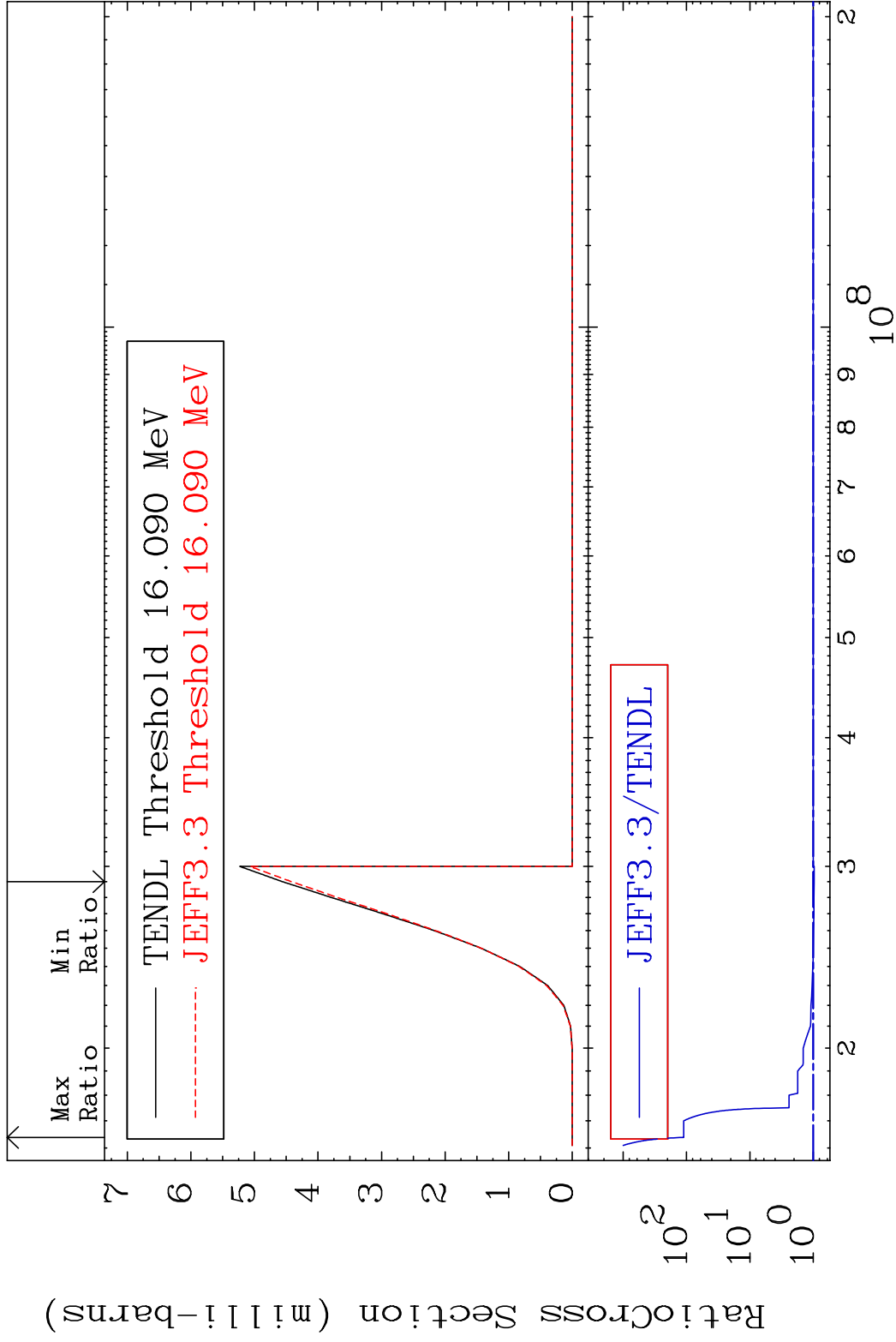
33-As-71

MAT 3313

(n, n') t

33-As-71

Cross Section -3.093 To 9999. %

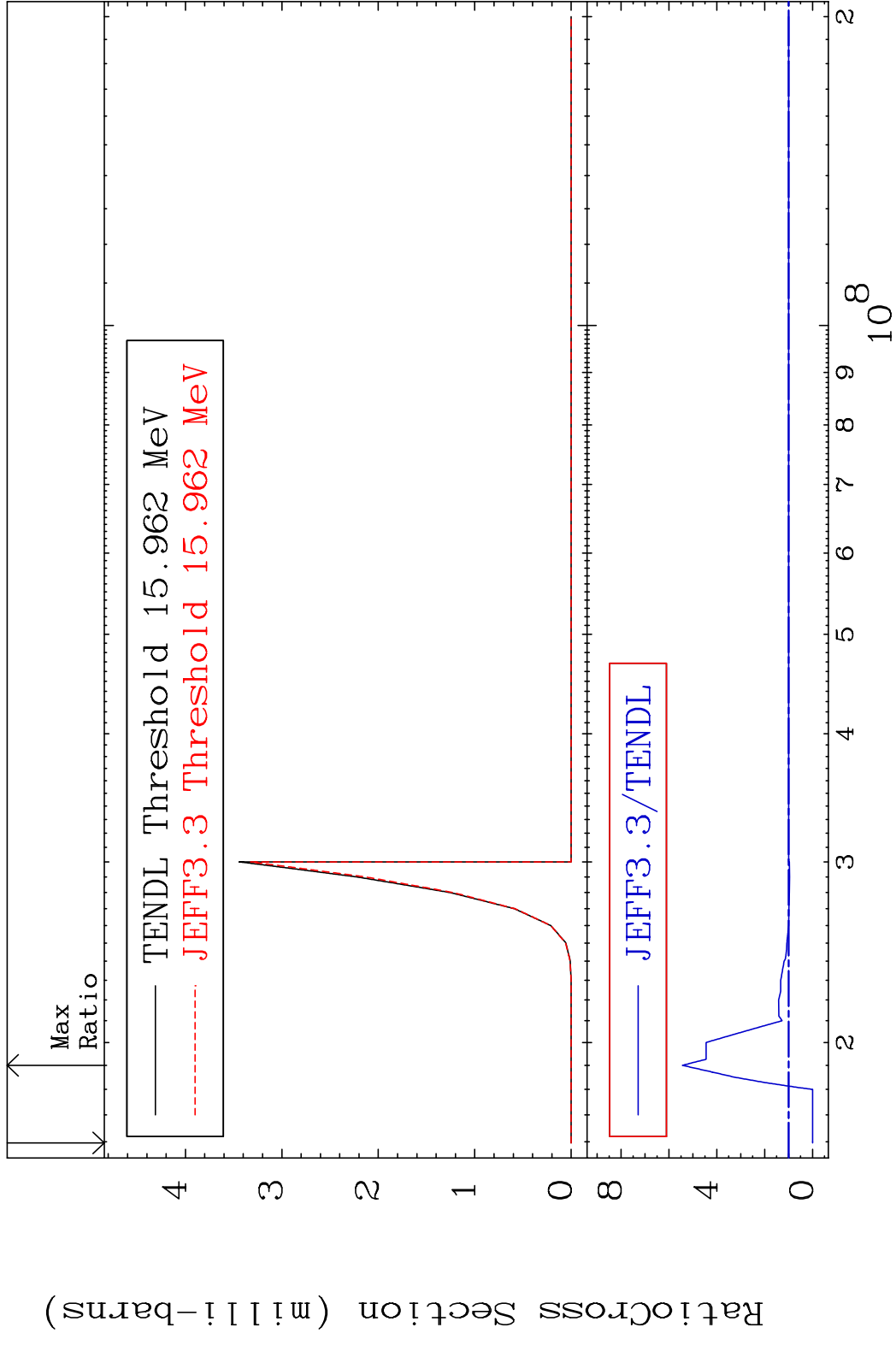


MAT 3313

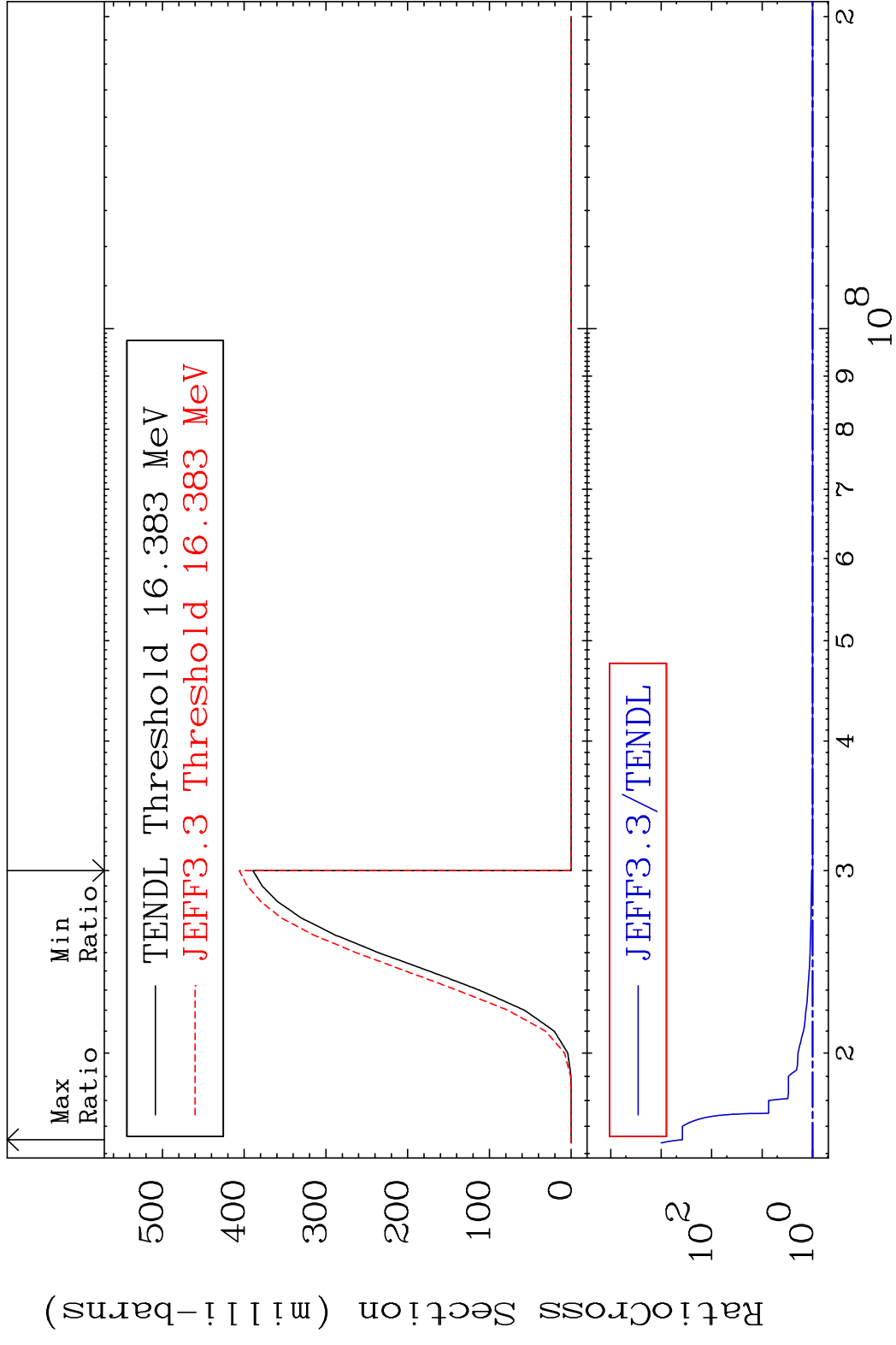
(n,n') He-3

33-As-71

Cross Section -100.0 To 444.0 %



MAT 3313 (n,2n) p 33-As-71
 Cross Section 0.000 To 9999. %

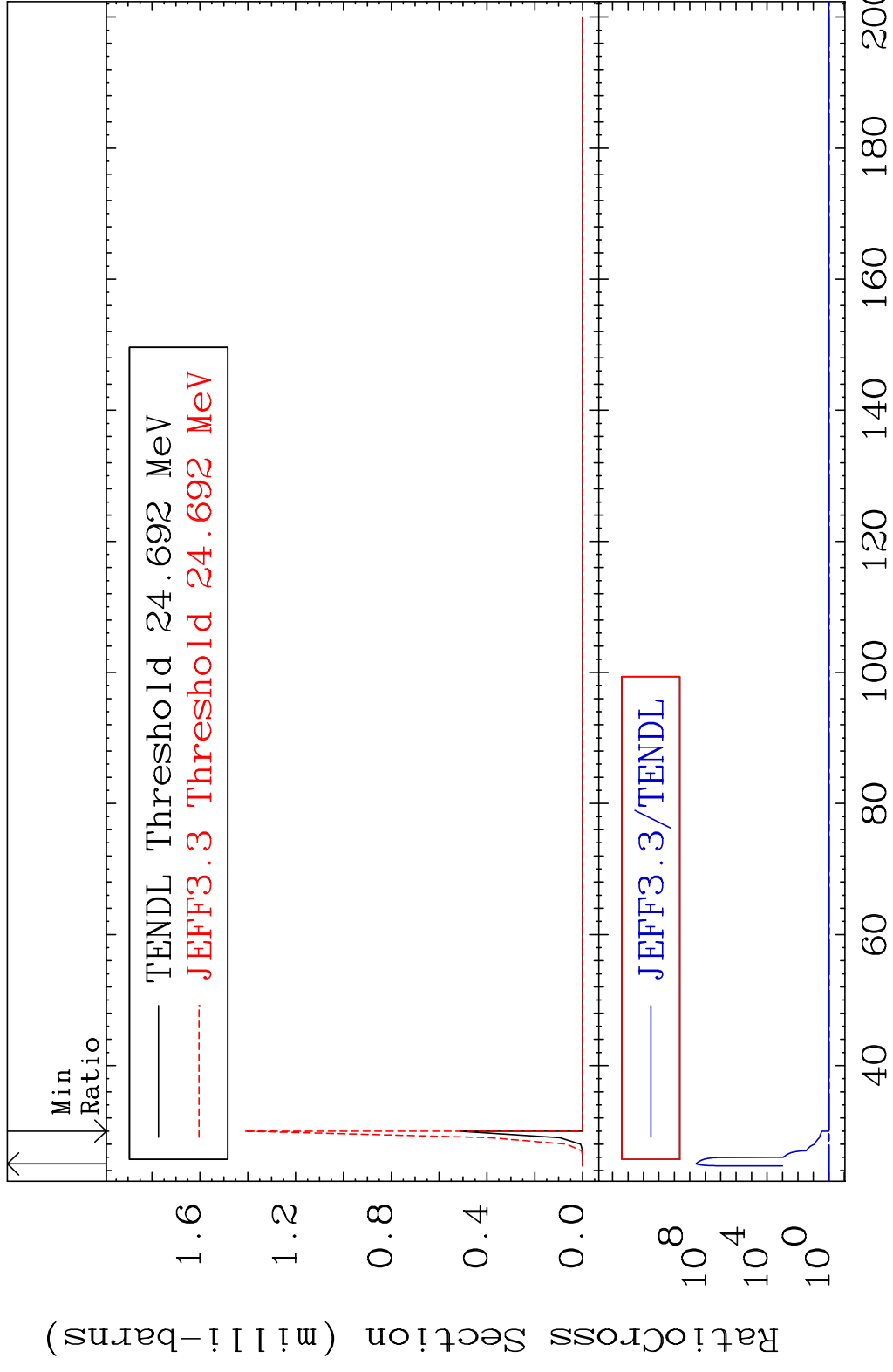


MAT 3313

(n,3n) p

33-As-71

Cross Section 0.000 To 9999. %

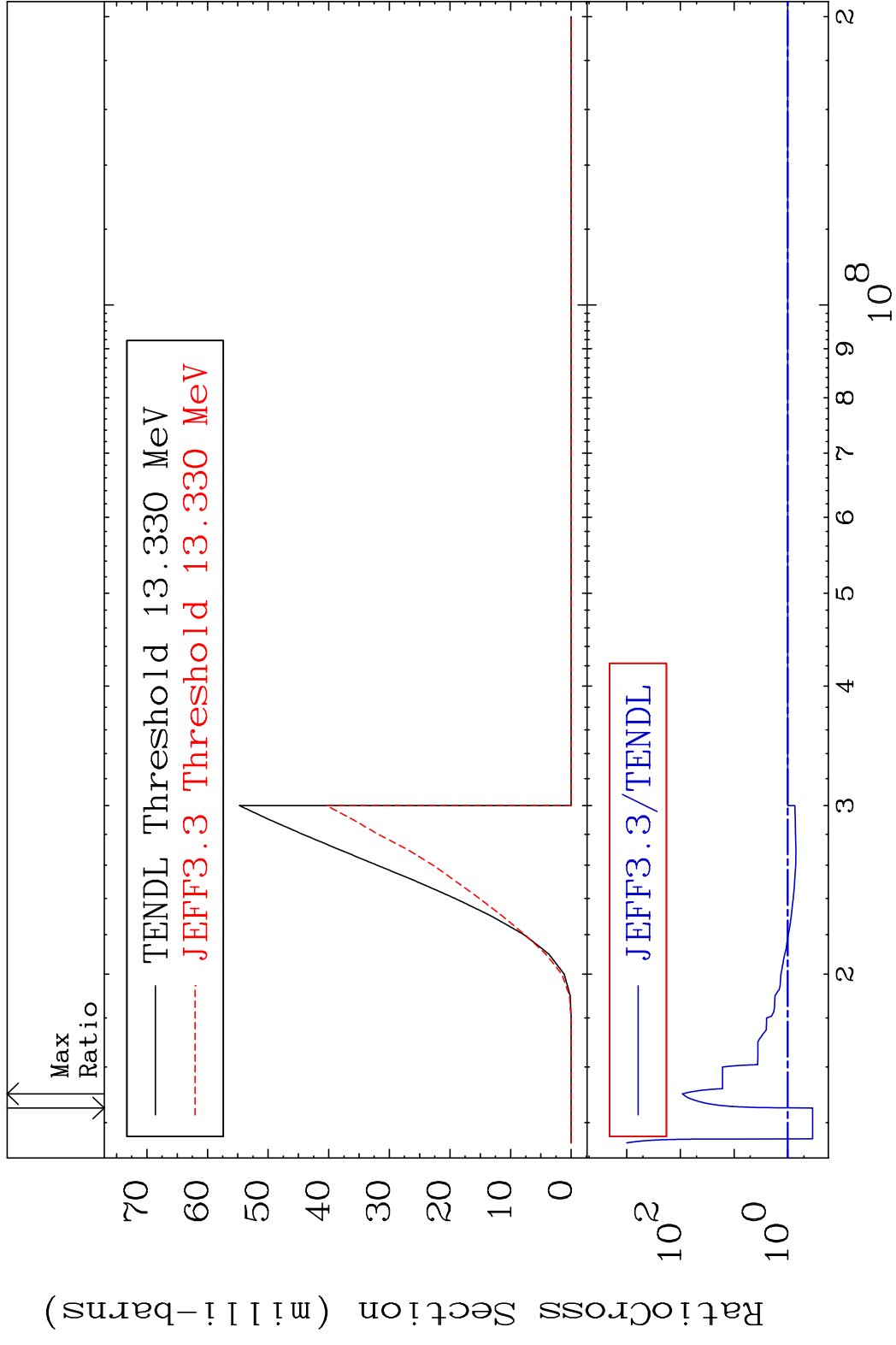


MAT 3313

(n,2n) p

33-As-71

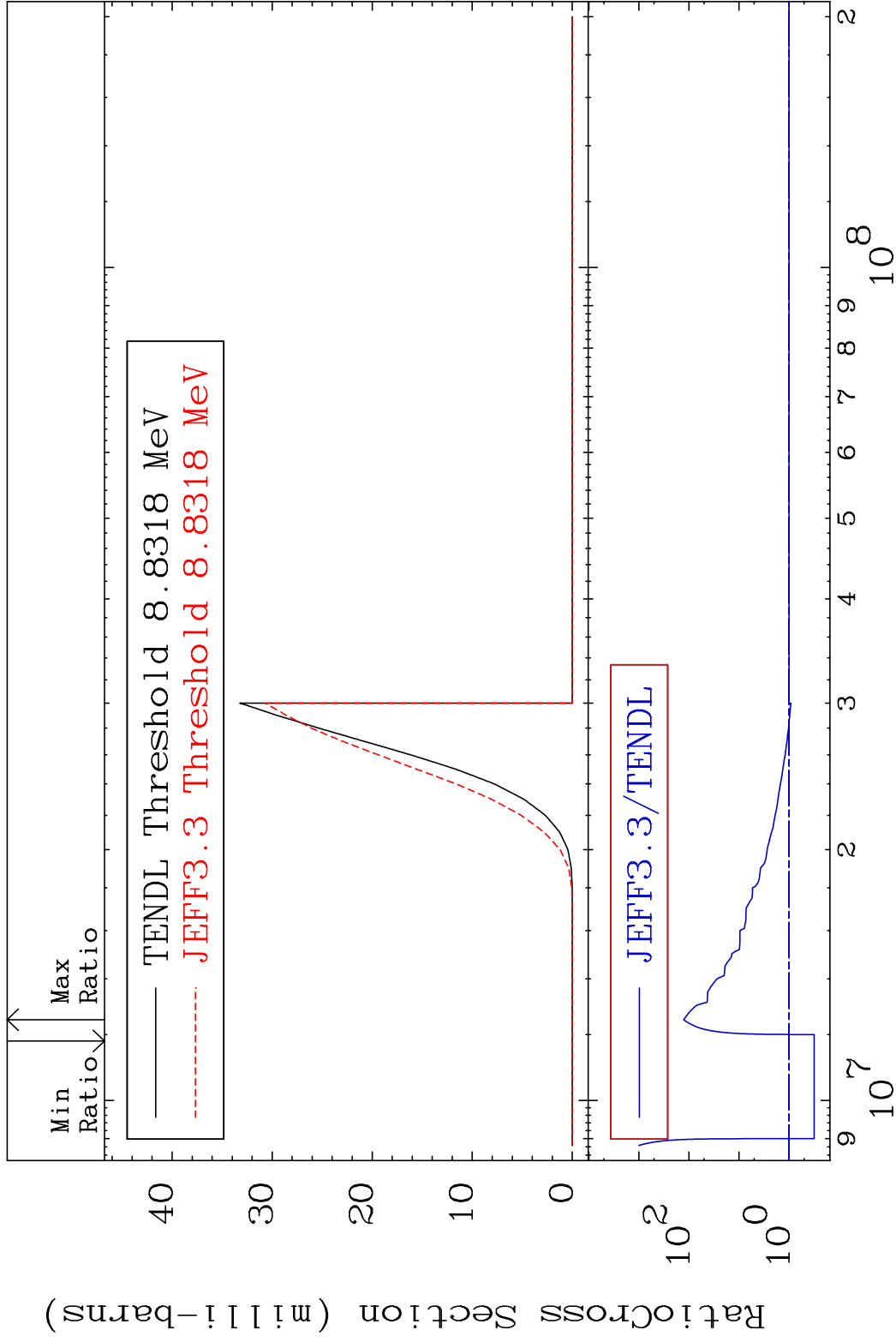
Cross Section -65.46 To 9086. %



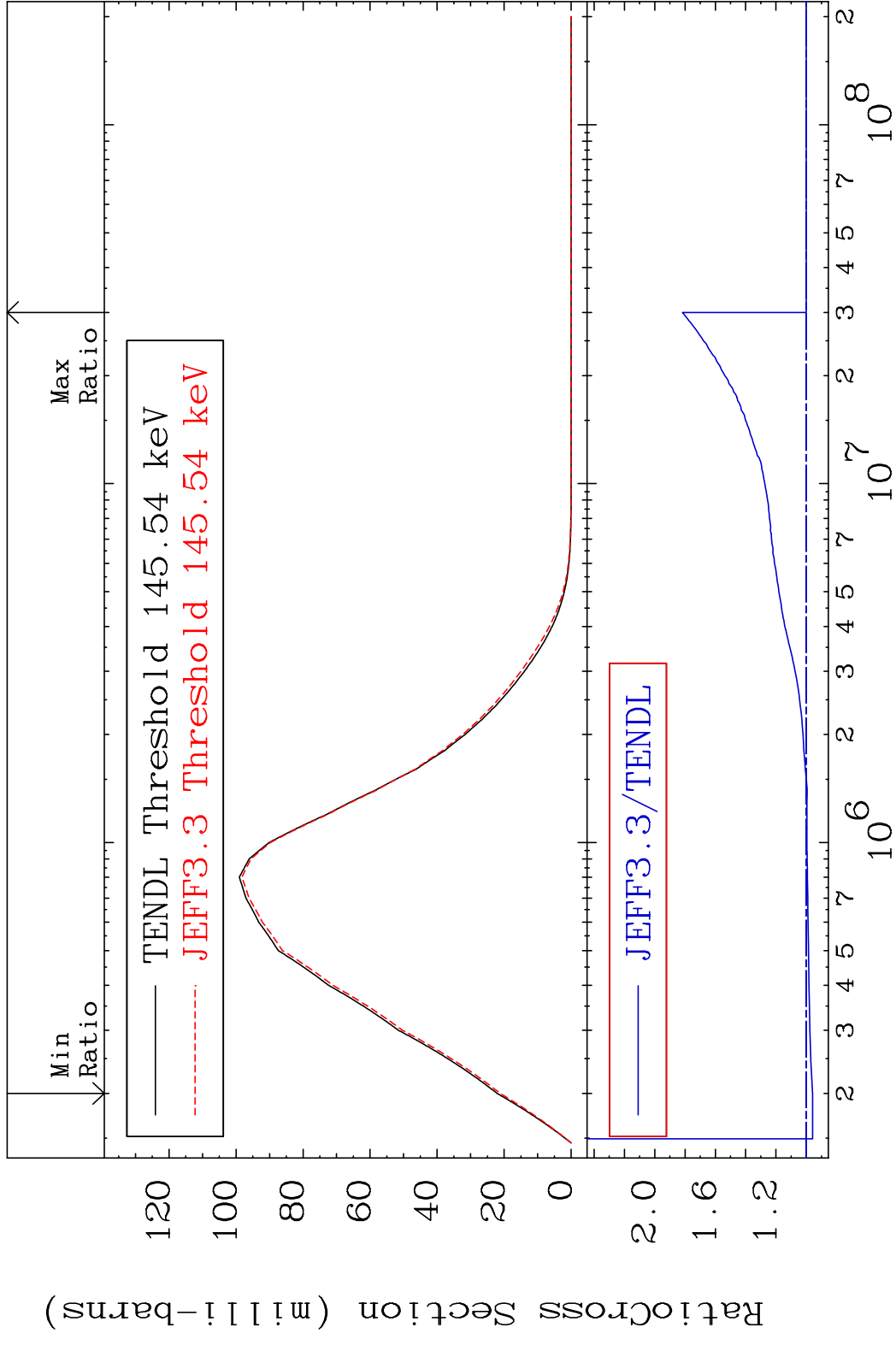
MAT 3313

(n,n') p α 33-As-71

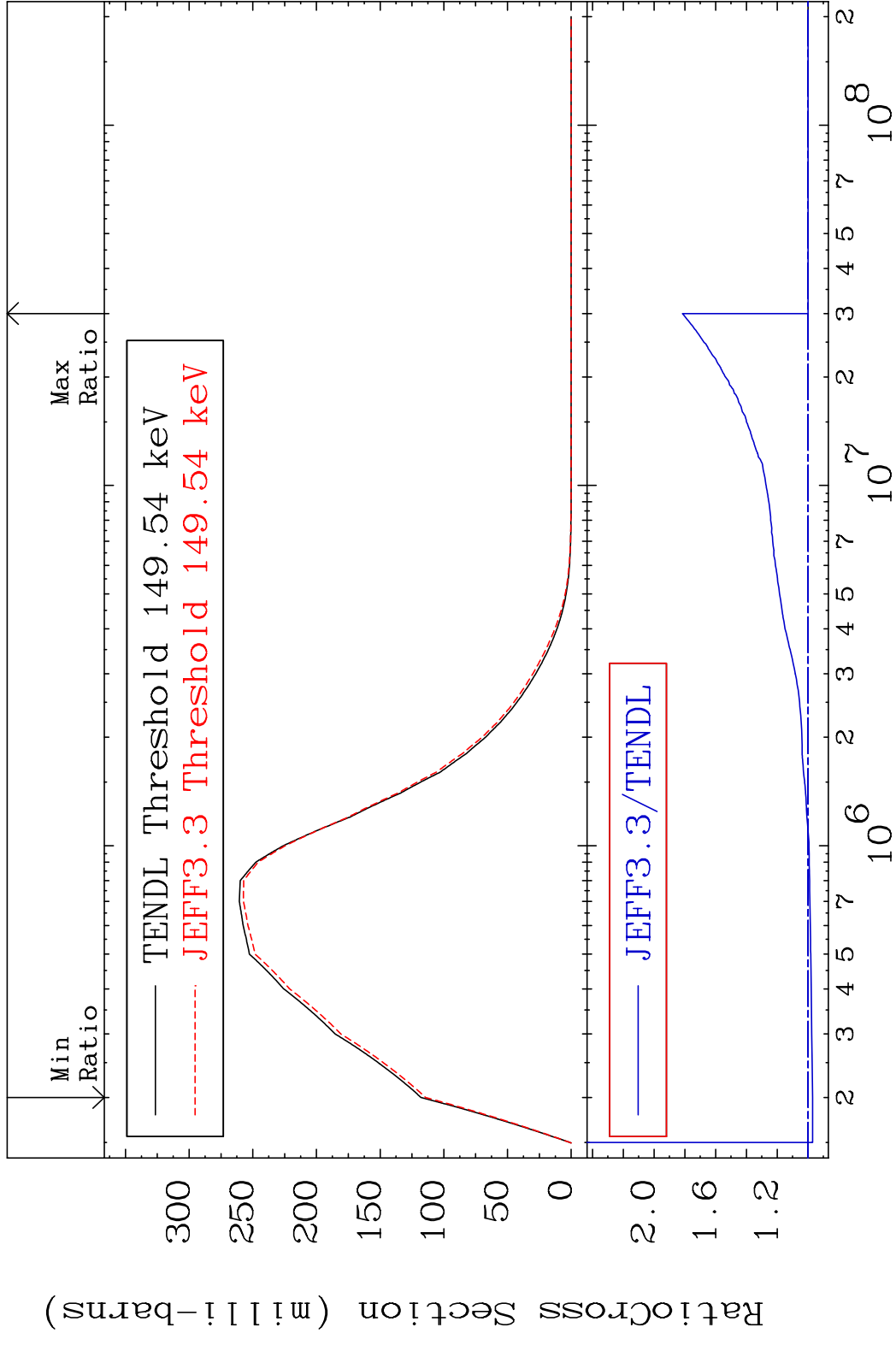
Cross Section -68.37 To 9999. %



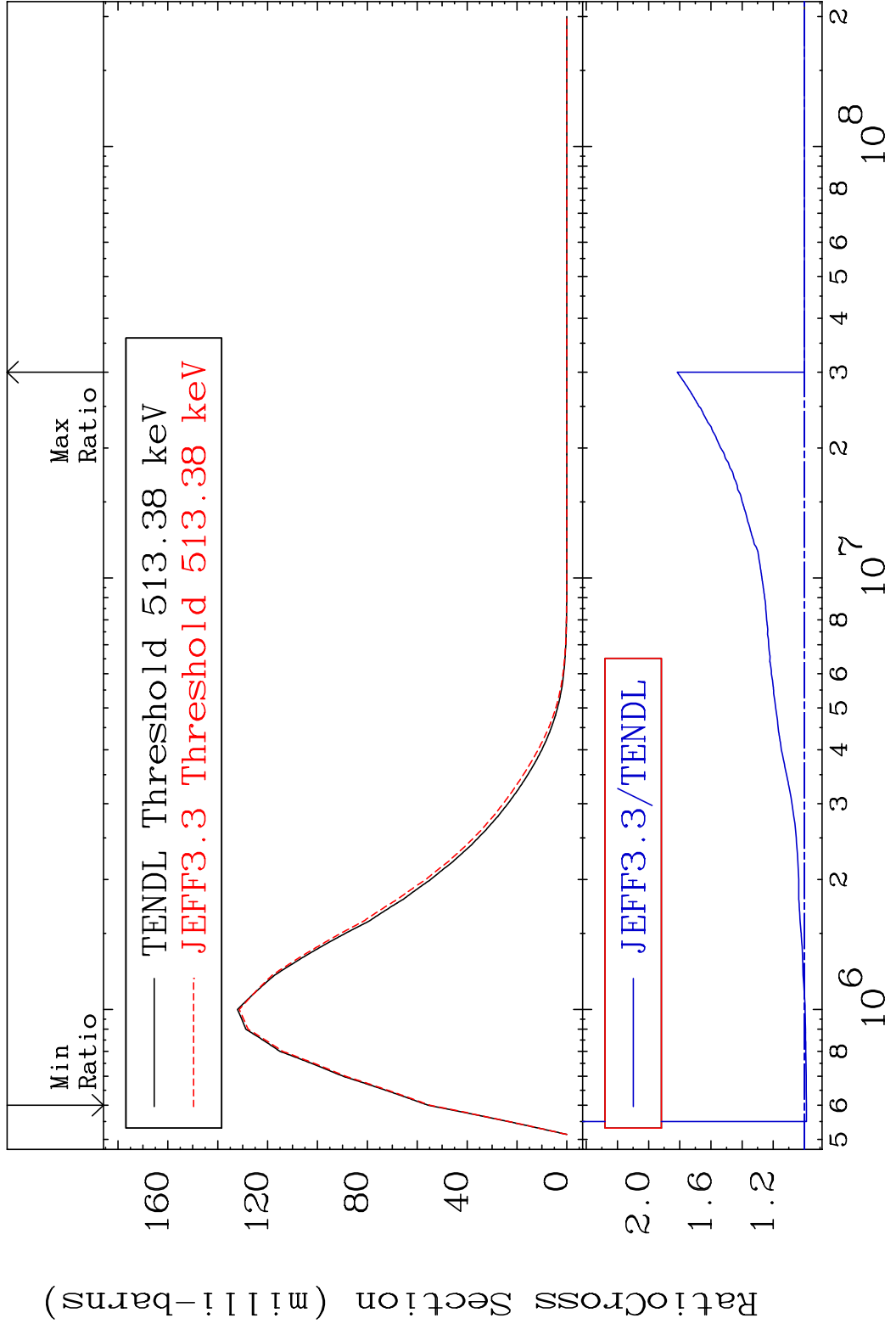
MAT 3313 MT= 51 (n,n') Level 33-As-71
 Cross Section -4.143 To 81.78 %



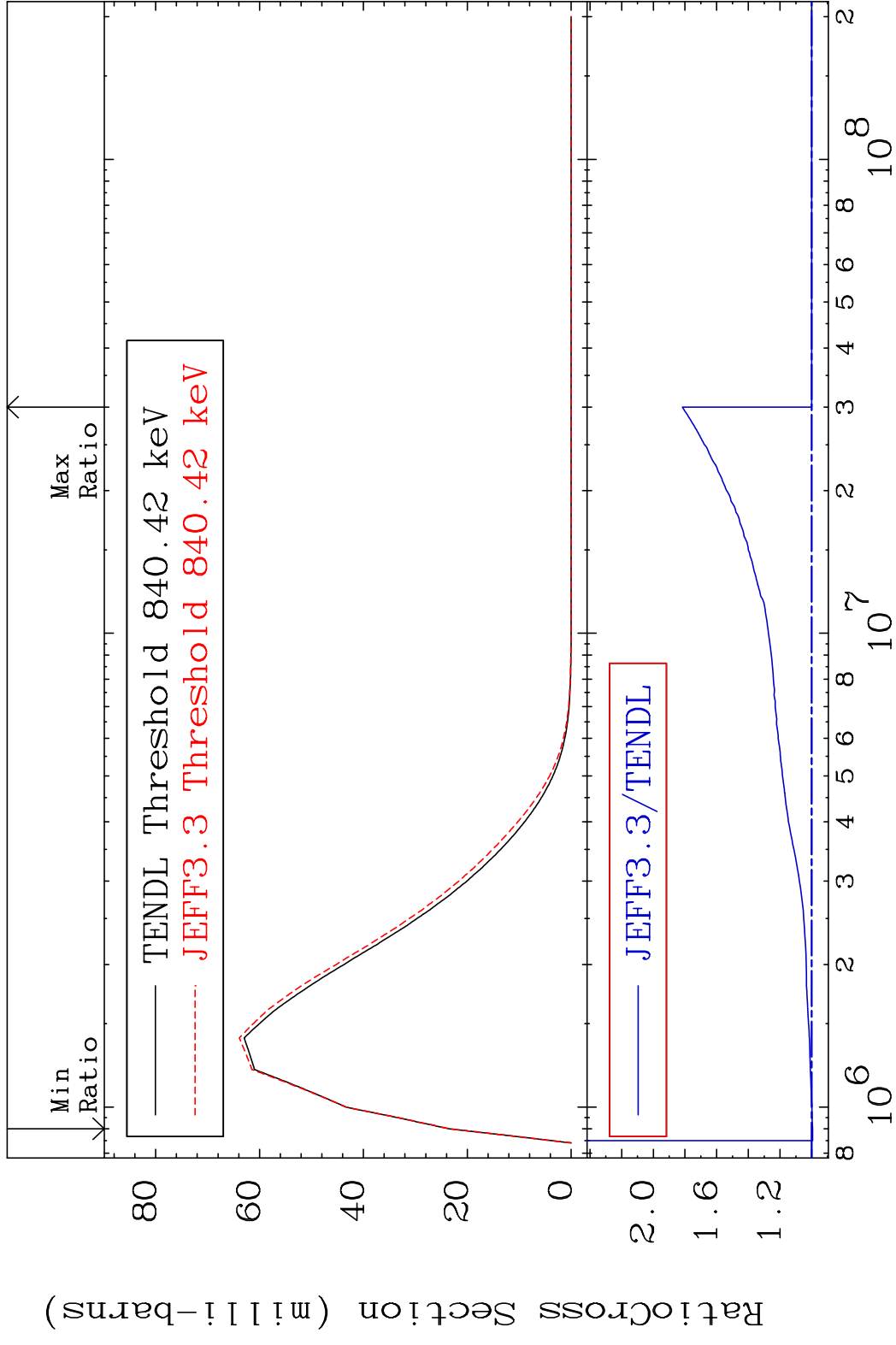
MAT 3313 MT= 52 (n, n') Level 33-As-71
 Cross Section -2.956 To 81.64 %



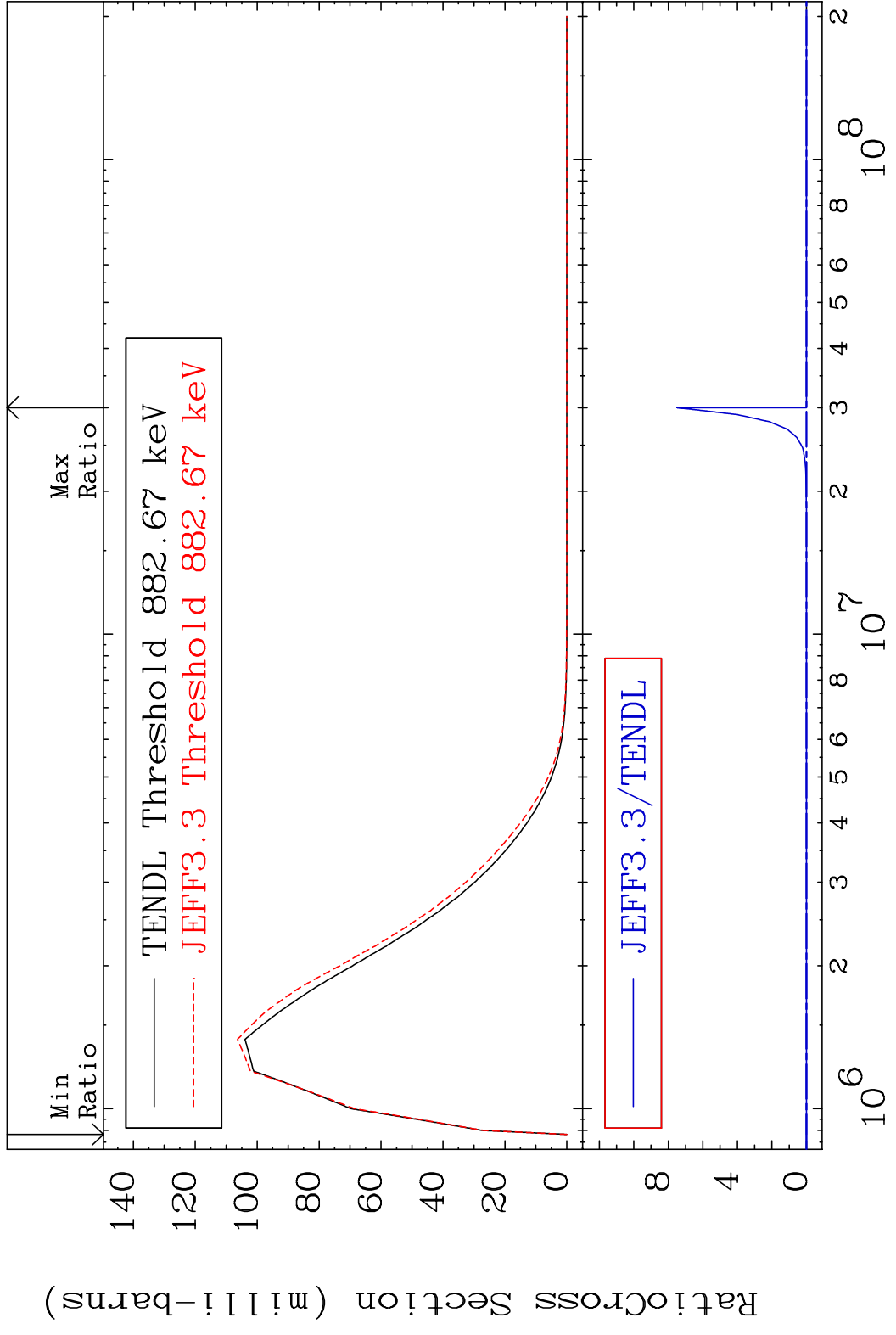
MAT 3313 MT= 53 (n,n') Level 33-As-71
 Cross Section -1.299 To 81.66 %



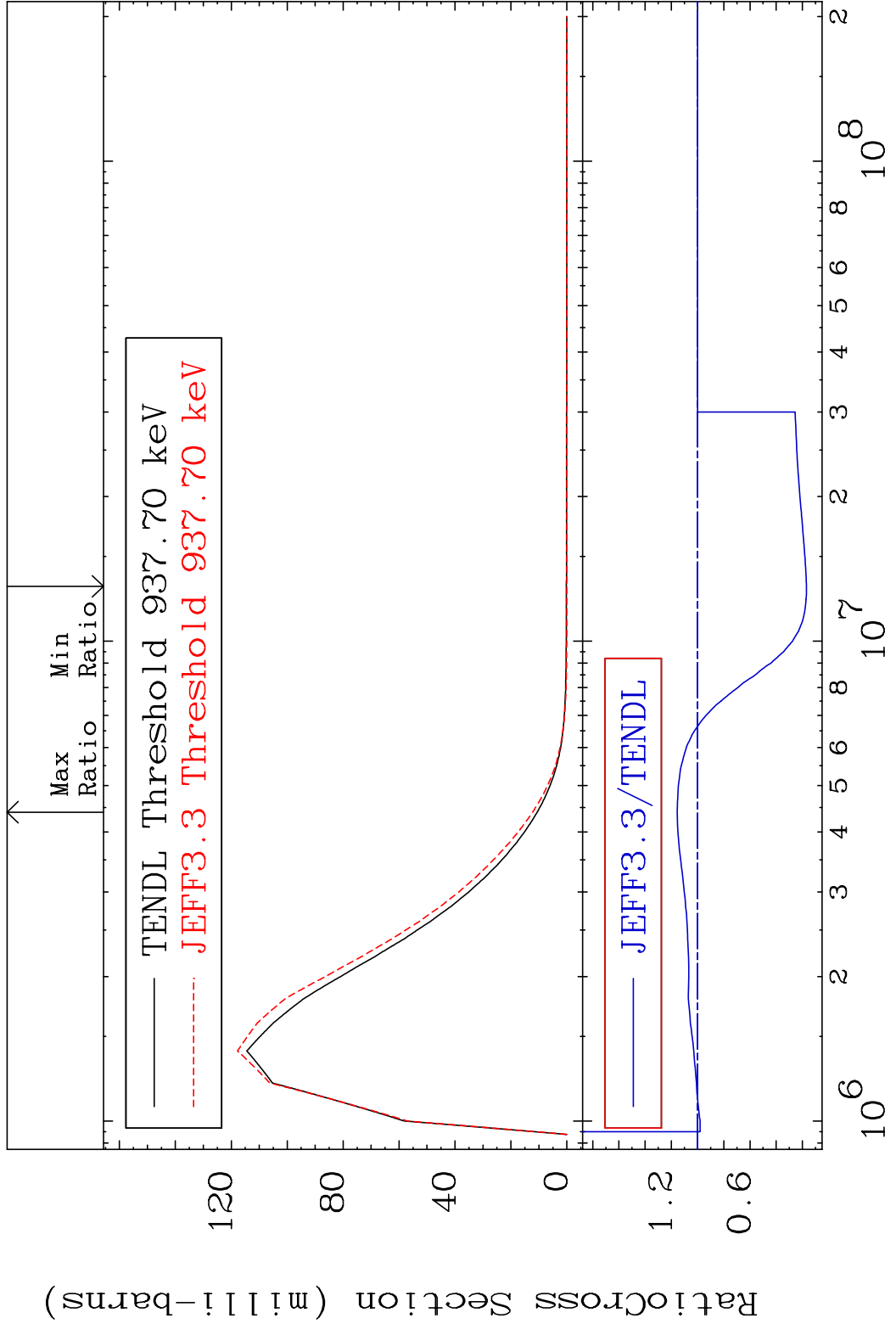
MAT 3313 MT= 54 (n,n') Level 33-As-71
 Cross Section -0.548 To 81.68 %



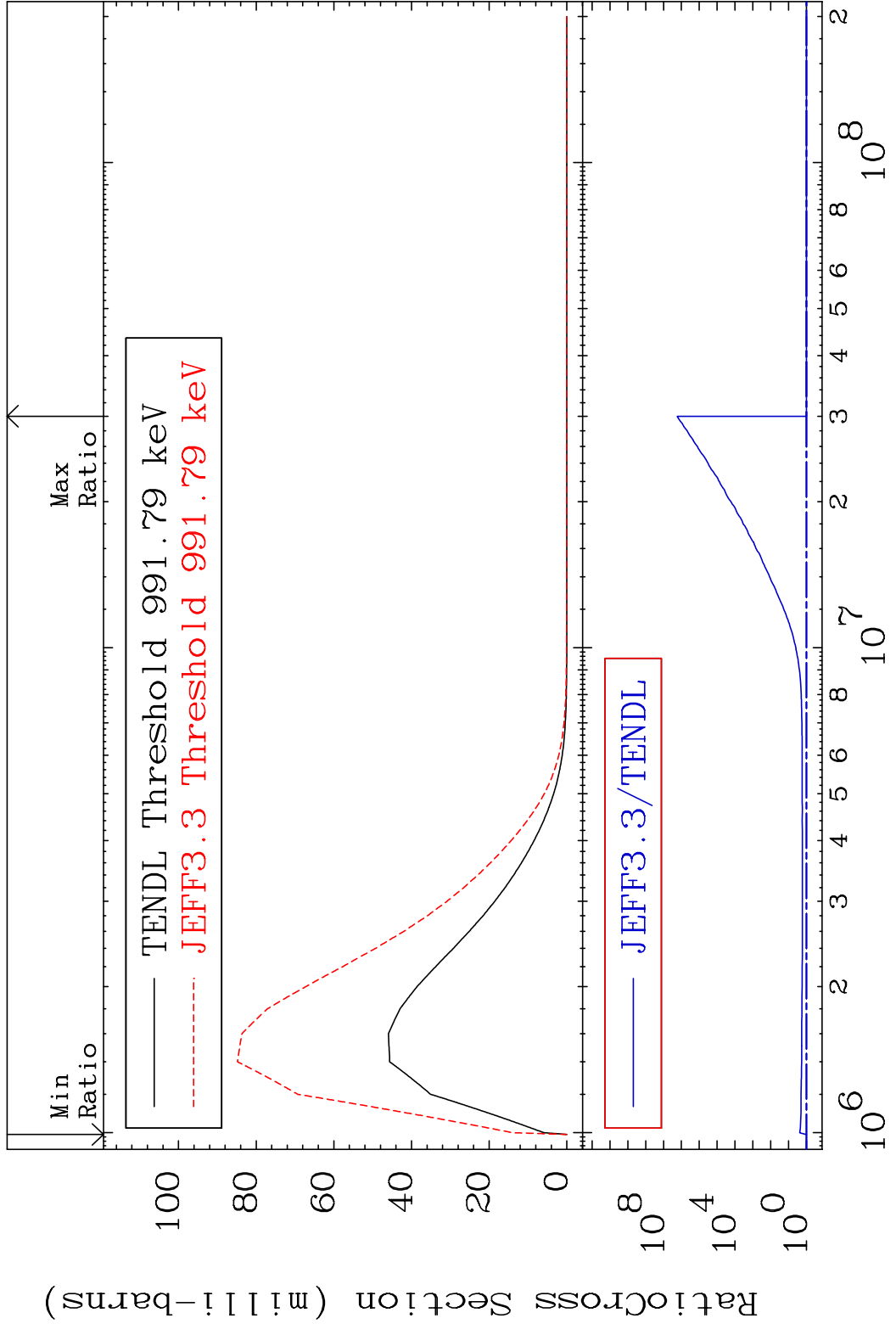
MAT 3313 MT= 55 (n, n') Level 33-As-71
 Cross Section -100.0 To 9999. %



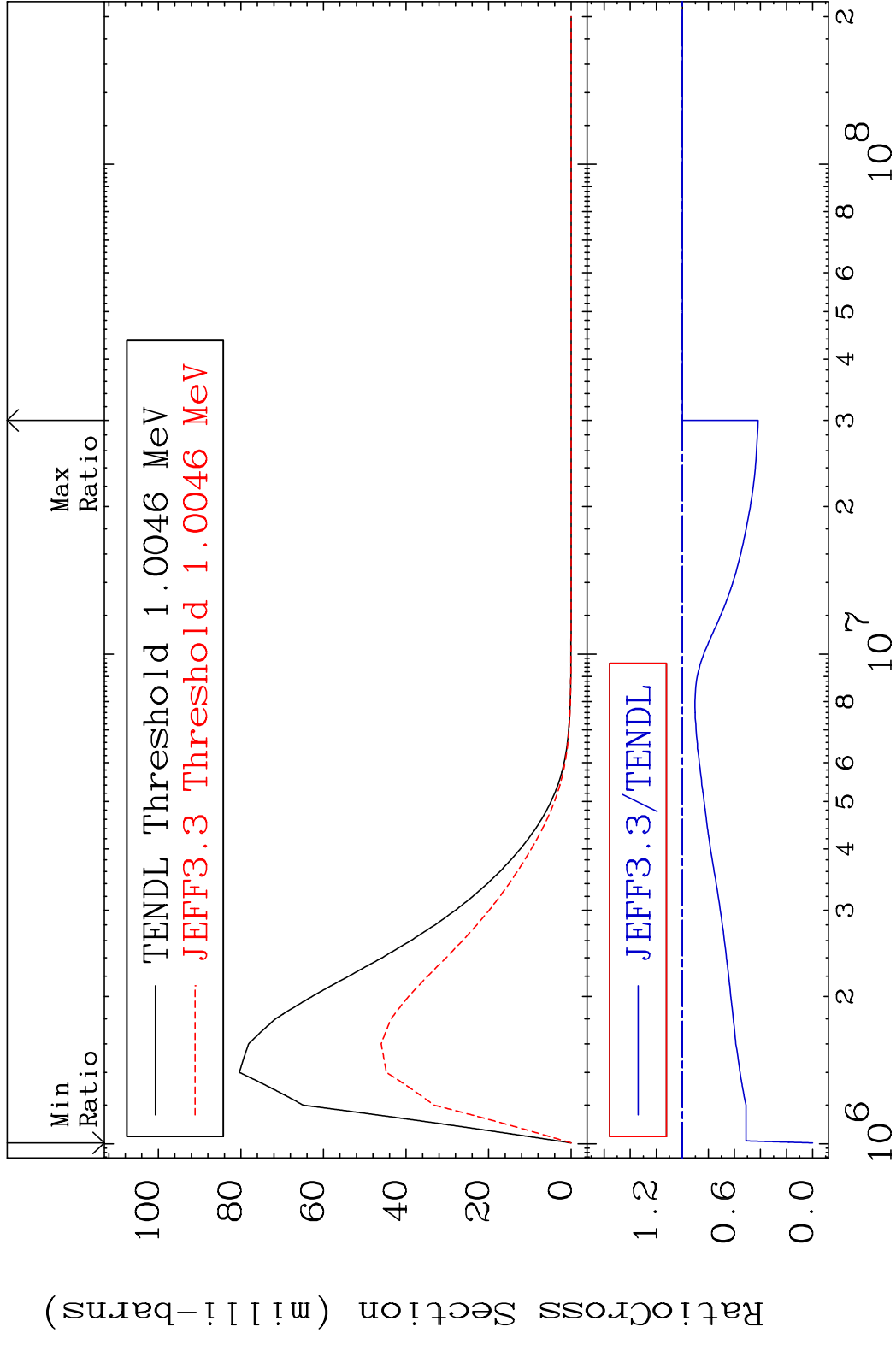
MAT 3313 MT= 56 (n,n') Level 33-As-71
 Cross Section -83.04 To 15.55 %



MAT 3313 MT= 57 (n,n') Level 33-As-71
 Cross Section 0.000 To 9999. %

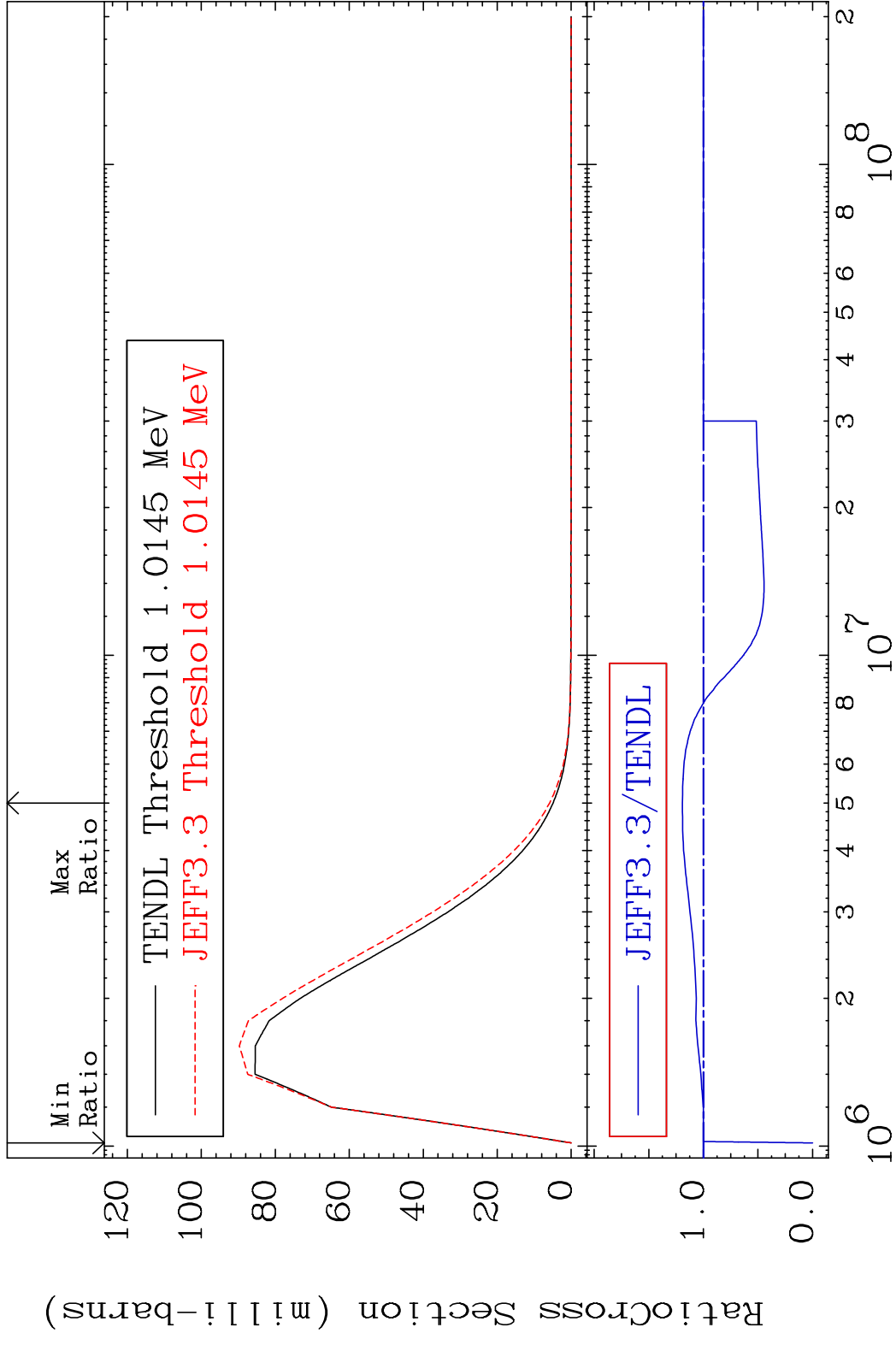


MAT 3313 MT= 58 (n, n') Level 33-As-71
 Cross Section -100.0 To 0.000 %

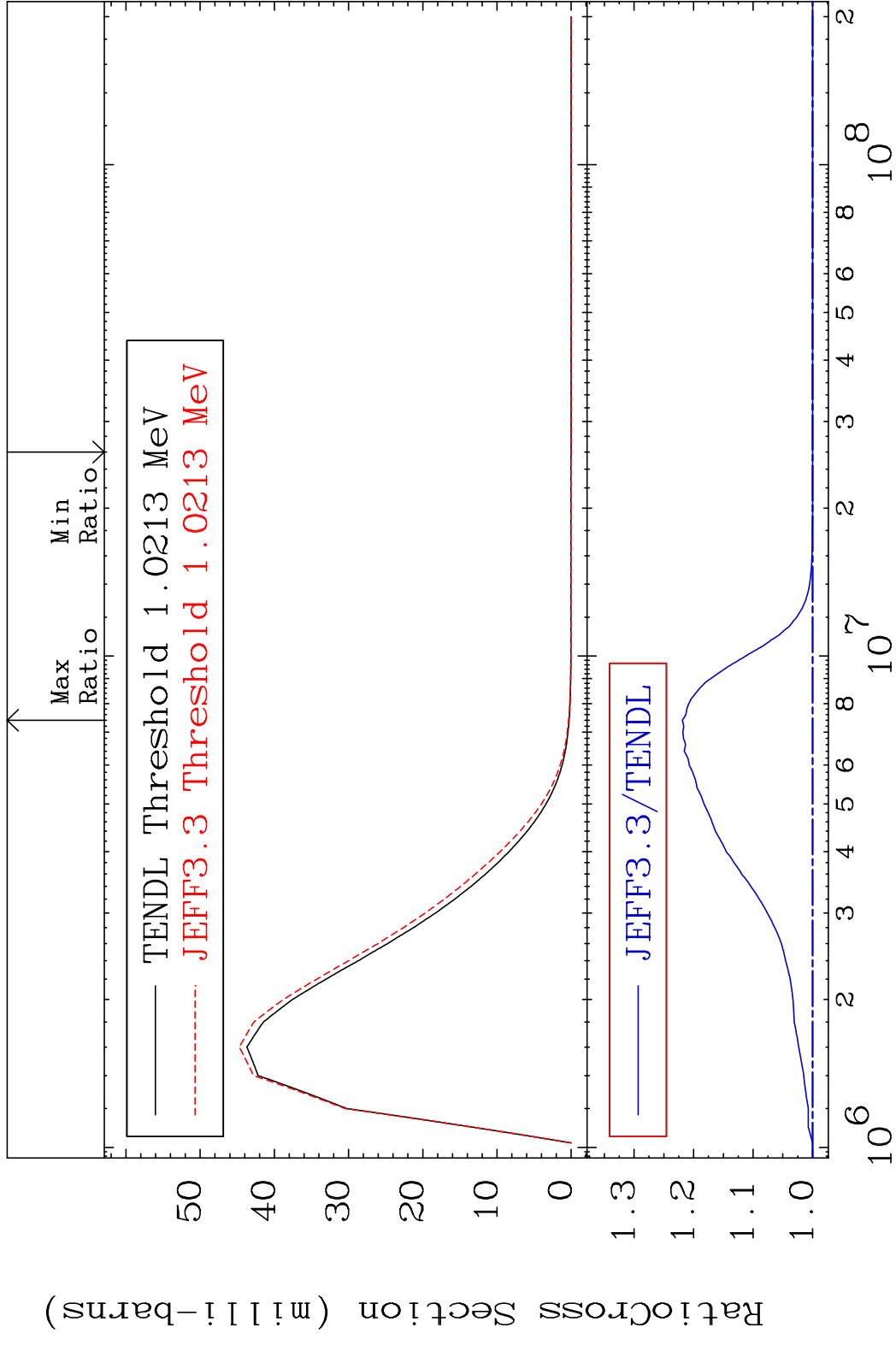


26 Incident Energy (eV) 33-As-71

MAT 3313 MT= 59 (n,n') Level 33-As-71
 Cross Section -100.0 To 19.24 %

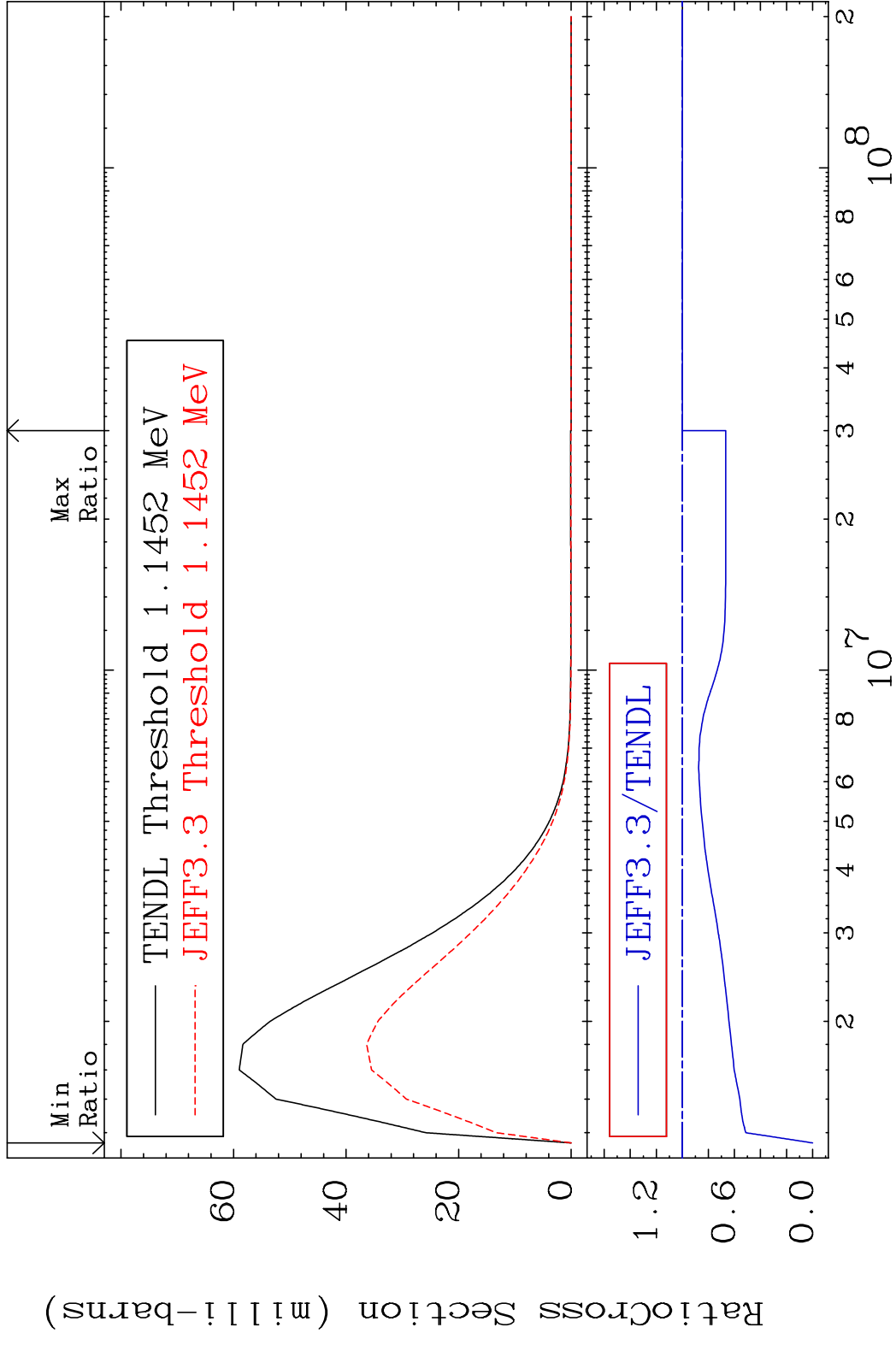


MAT 3313 MT= 60 (n, n') Level 33-As-71
 Cross Section 0.000 To 21.89 %

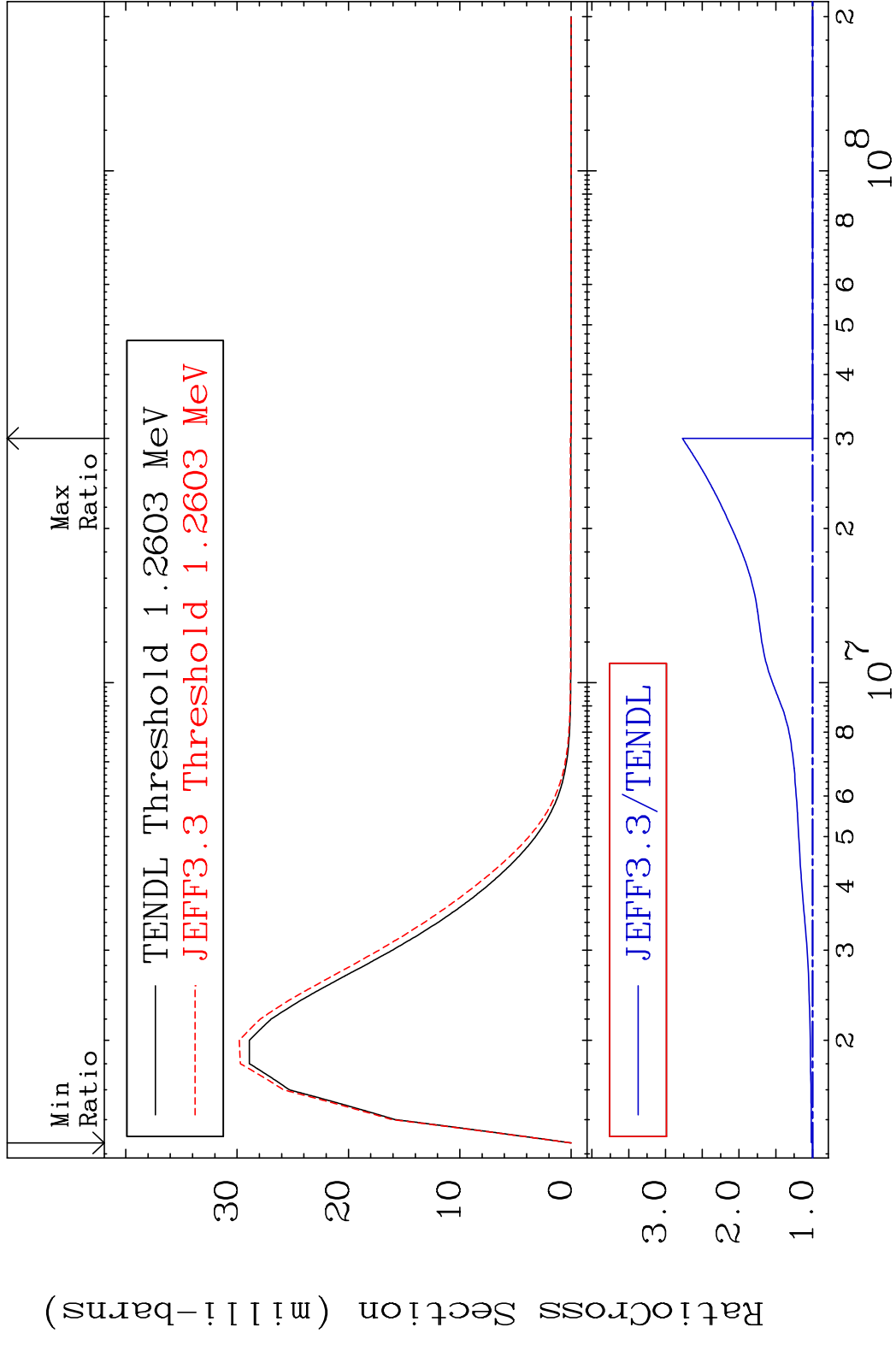


28 Incident Energy (eV) 33-As-71

MAT 3313 MT= 61 (n, n') Level 33-As-71
 Cross Section -100.0 To 0.000 %

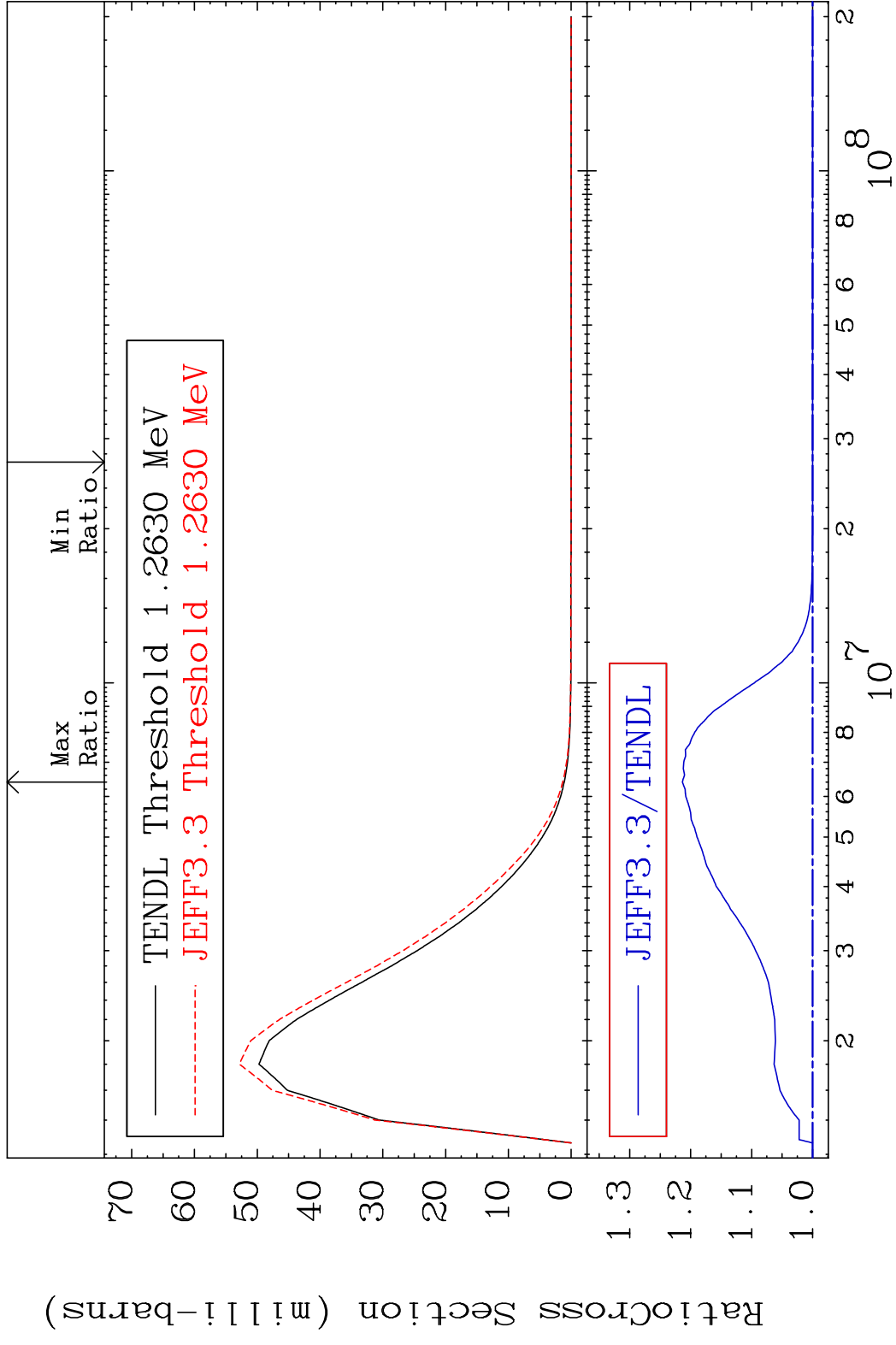


MAT 3313 MT= 62 (n, n') Level 33-As-71
 Cross Section 0.000 To 177.0 %

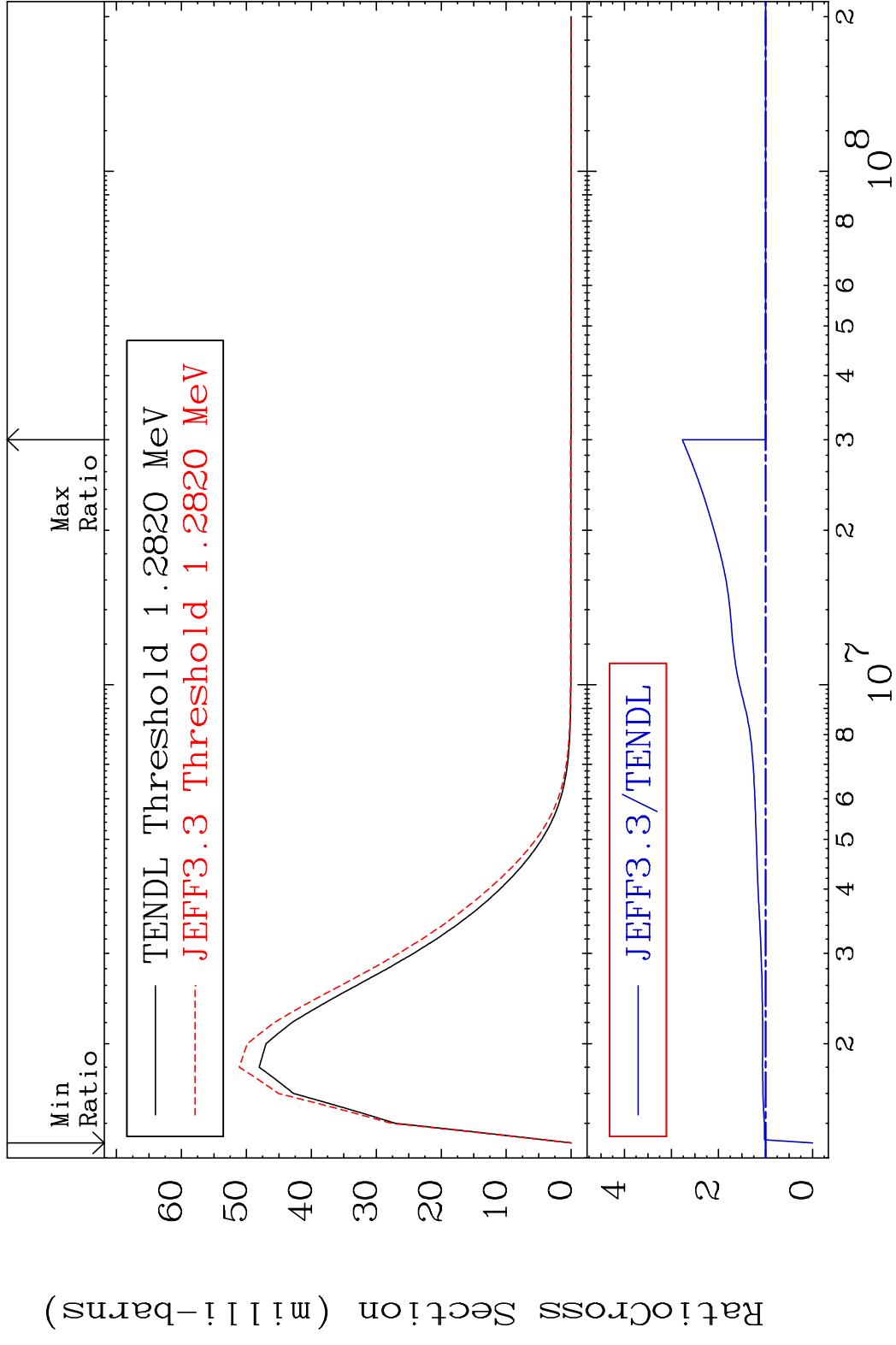


30 Incident Energy (eV) 33-As-71

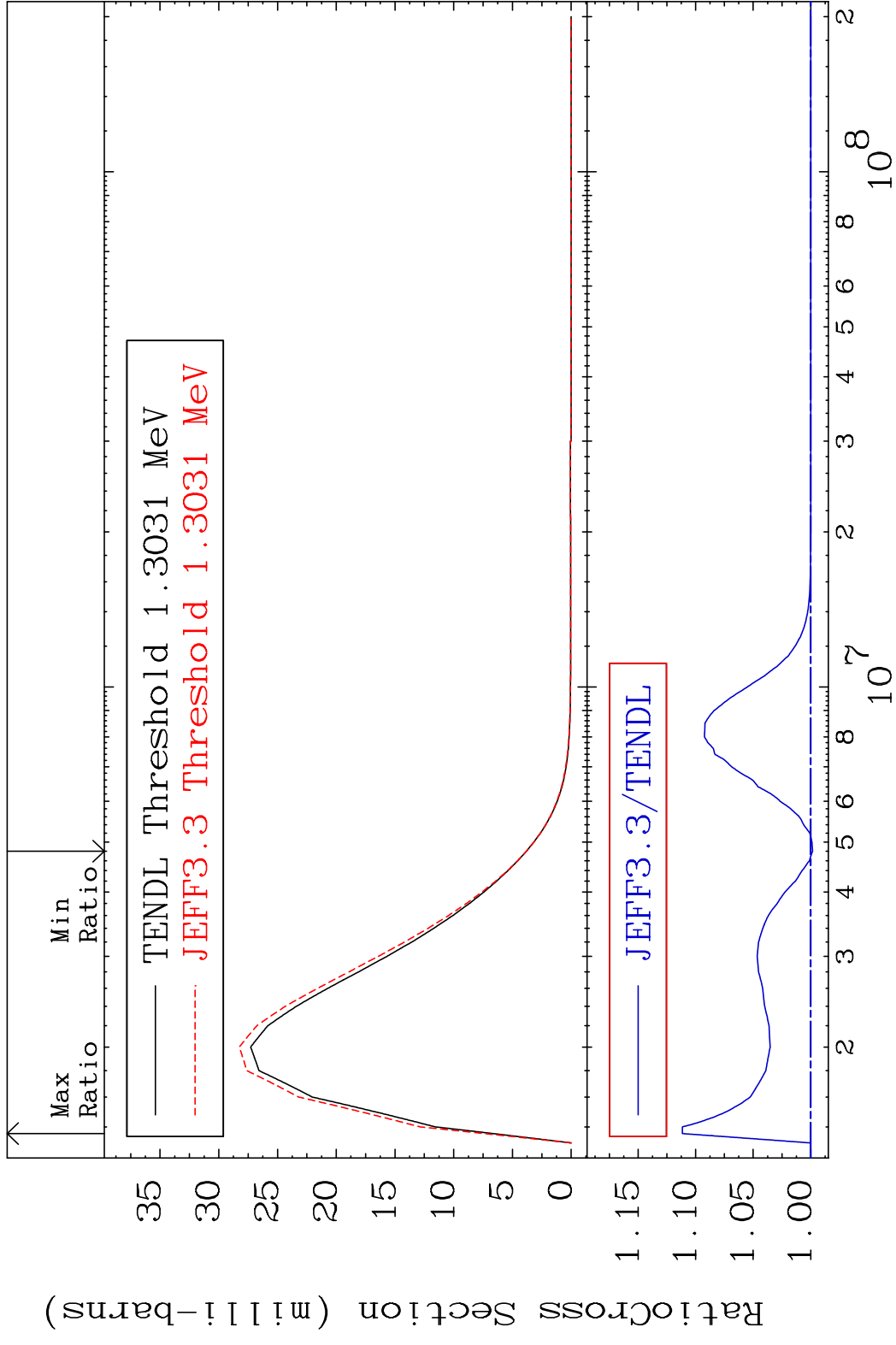
MAT 3313 MT= 63 (n, n') Level 33-As-71
 Cross Section 0.000 To 21.37 %



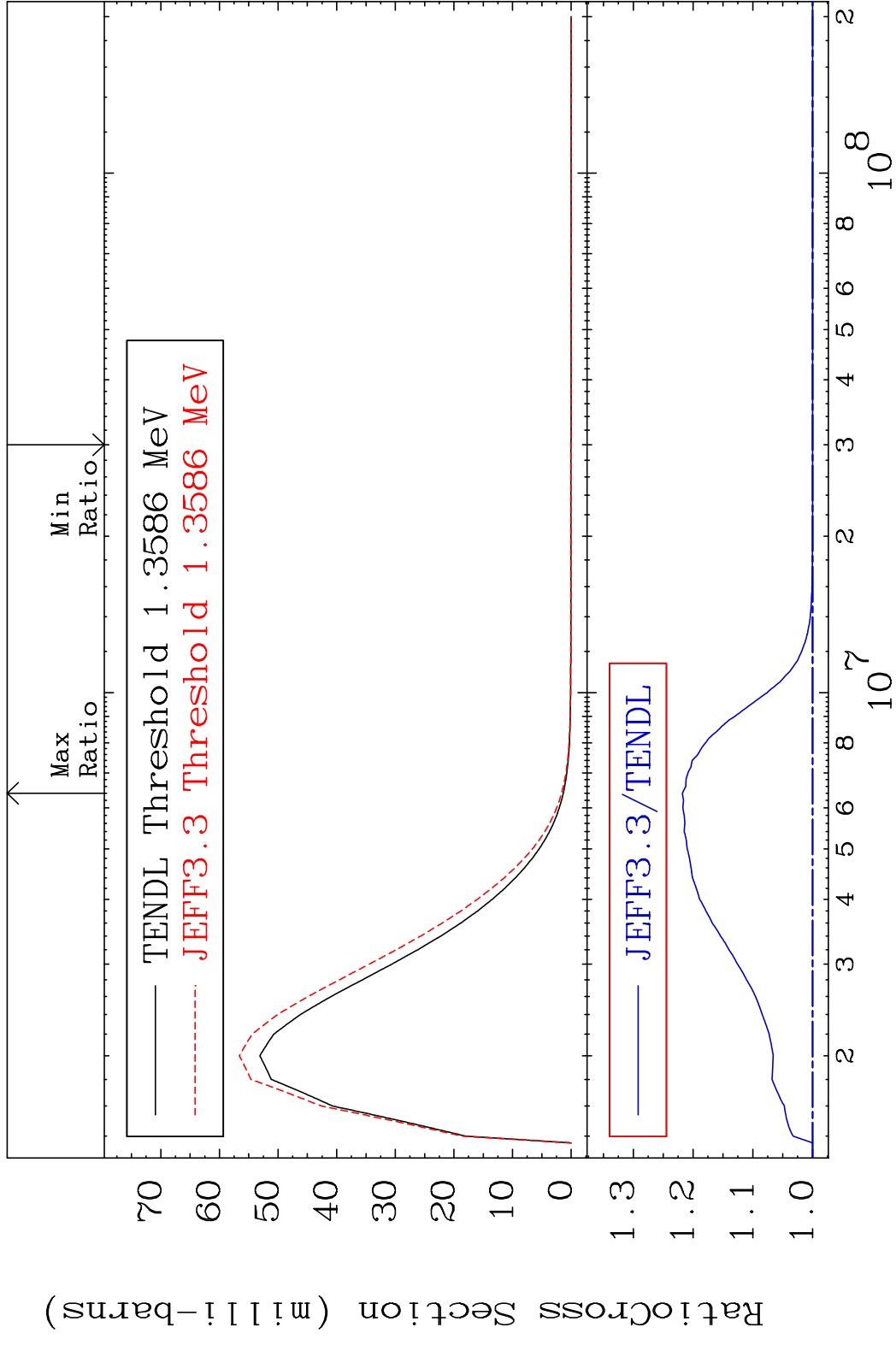
MAT 3313 MT= 64 (n, n') Level 33-As-71
 Cross Section -100.0 To 176.8 %



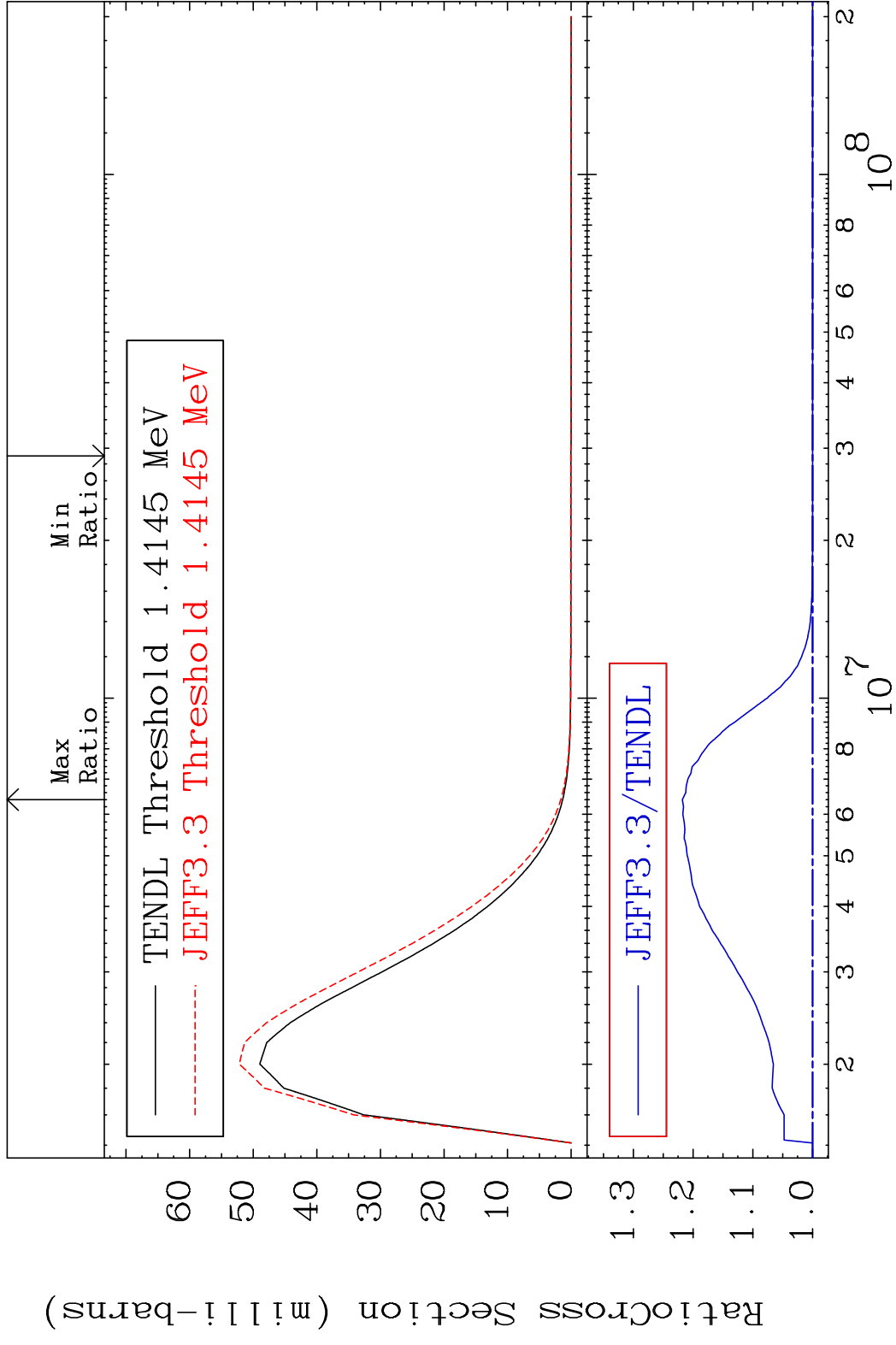
MAT 3313 MT= 65 (n,n') Level 33-As-71
 Cross Section -0.162 To 11.16 %



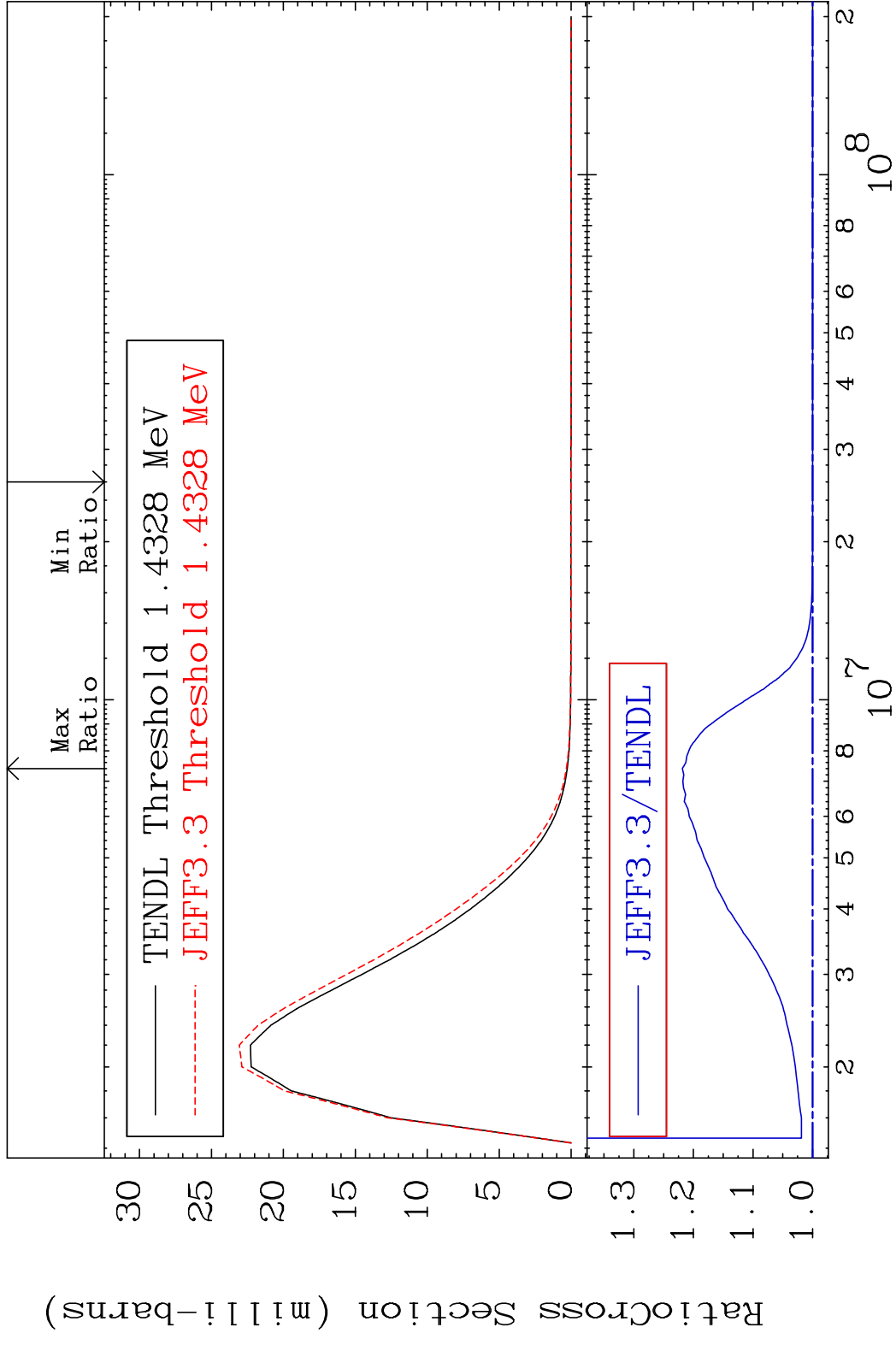
MAT 3313 MT= 66 (n, n') Level 33-As-71
 Cross Section 0.000 To 21.79 %



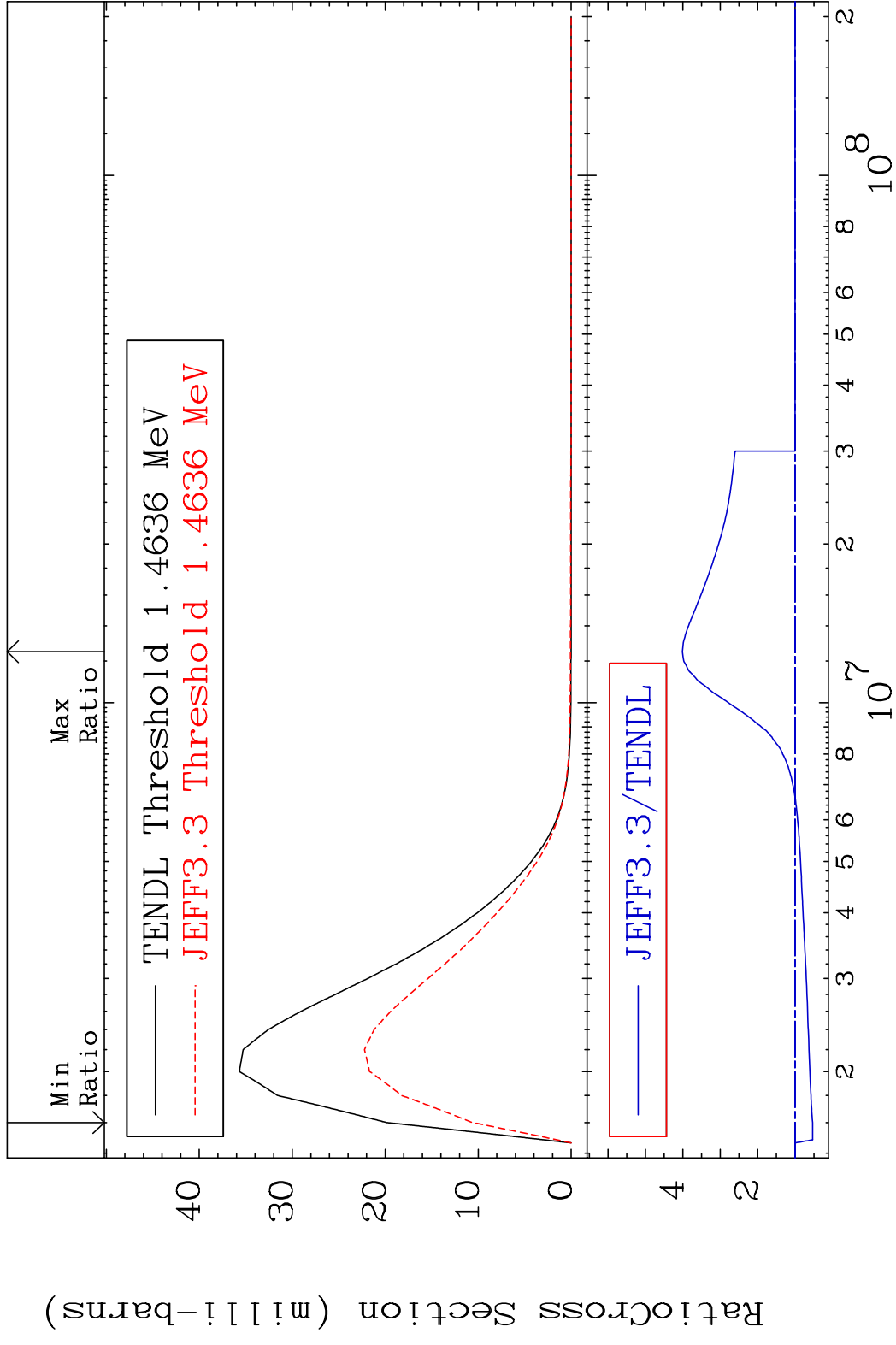
MAT 3313 MT= 67 (n, n') Level 33-As-71
 Cross Section 0.000 To 21.79 %



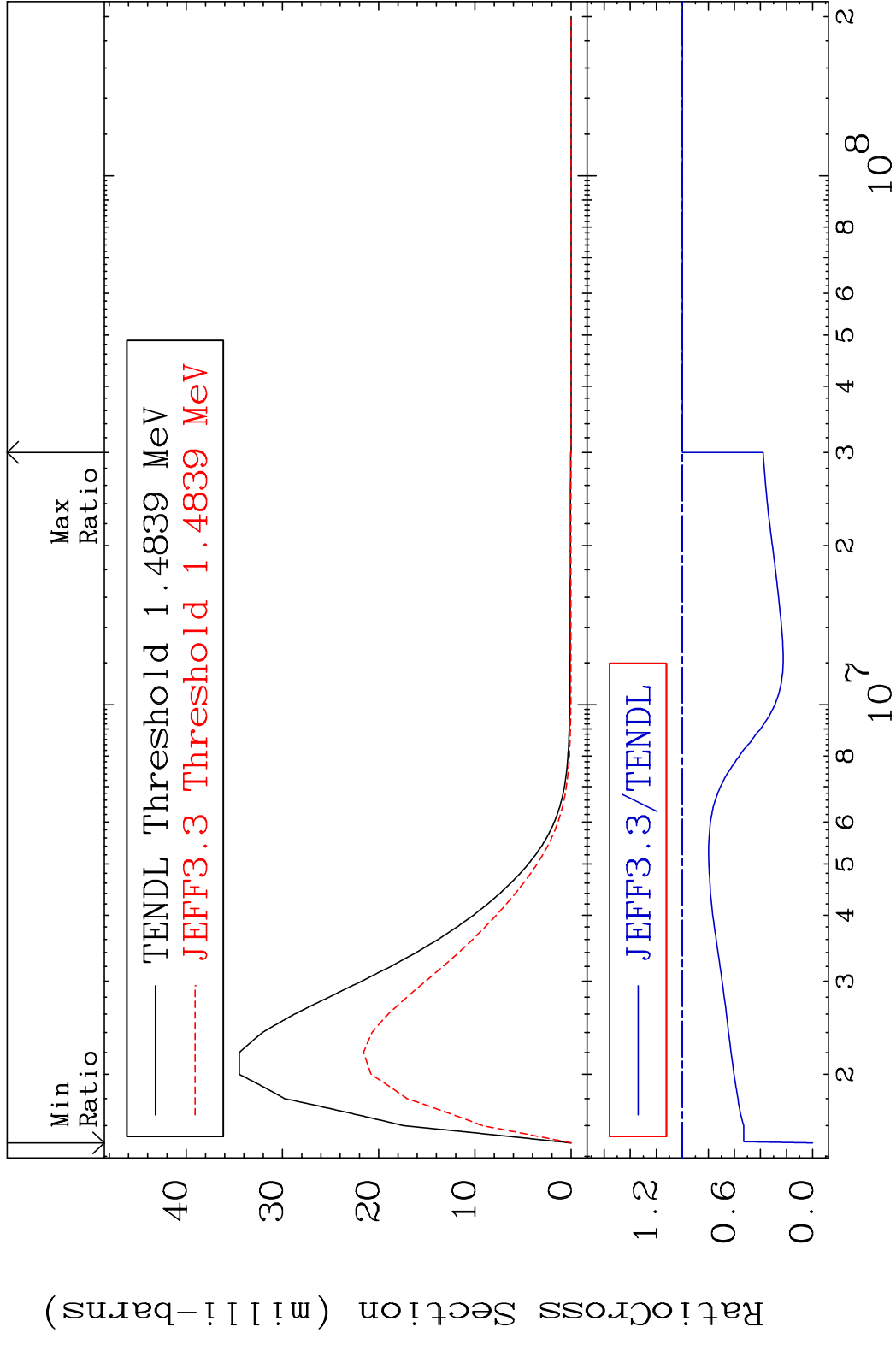
MAT 3313 MT= 68 (n, n') Level 33-As-71
 Cross Section 0.000 To 21.85 %



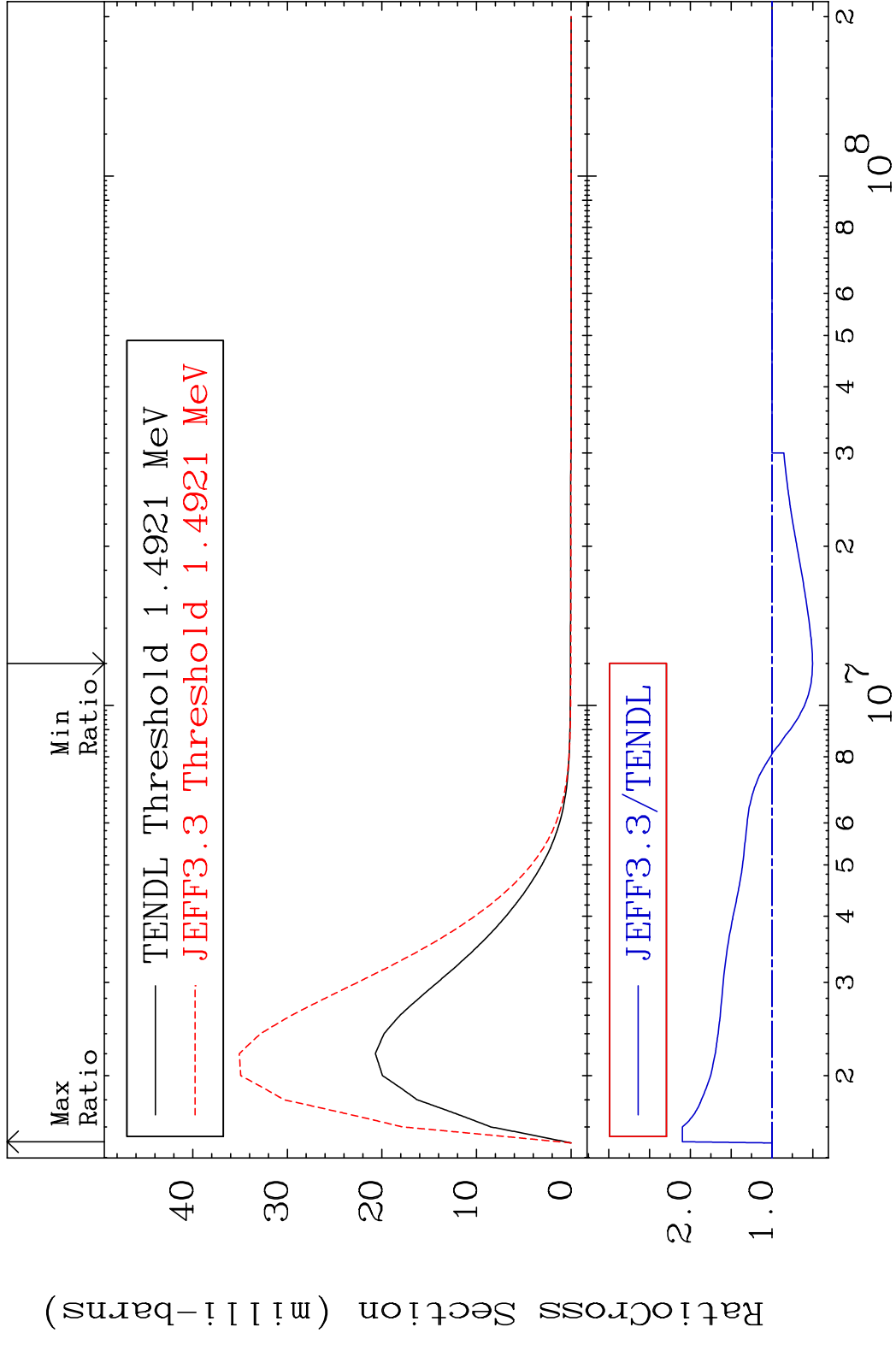
MAT 3313 MT= 69 (n, n') Level 33-As-71
 Cross Section -46.51 To 301.3 %



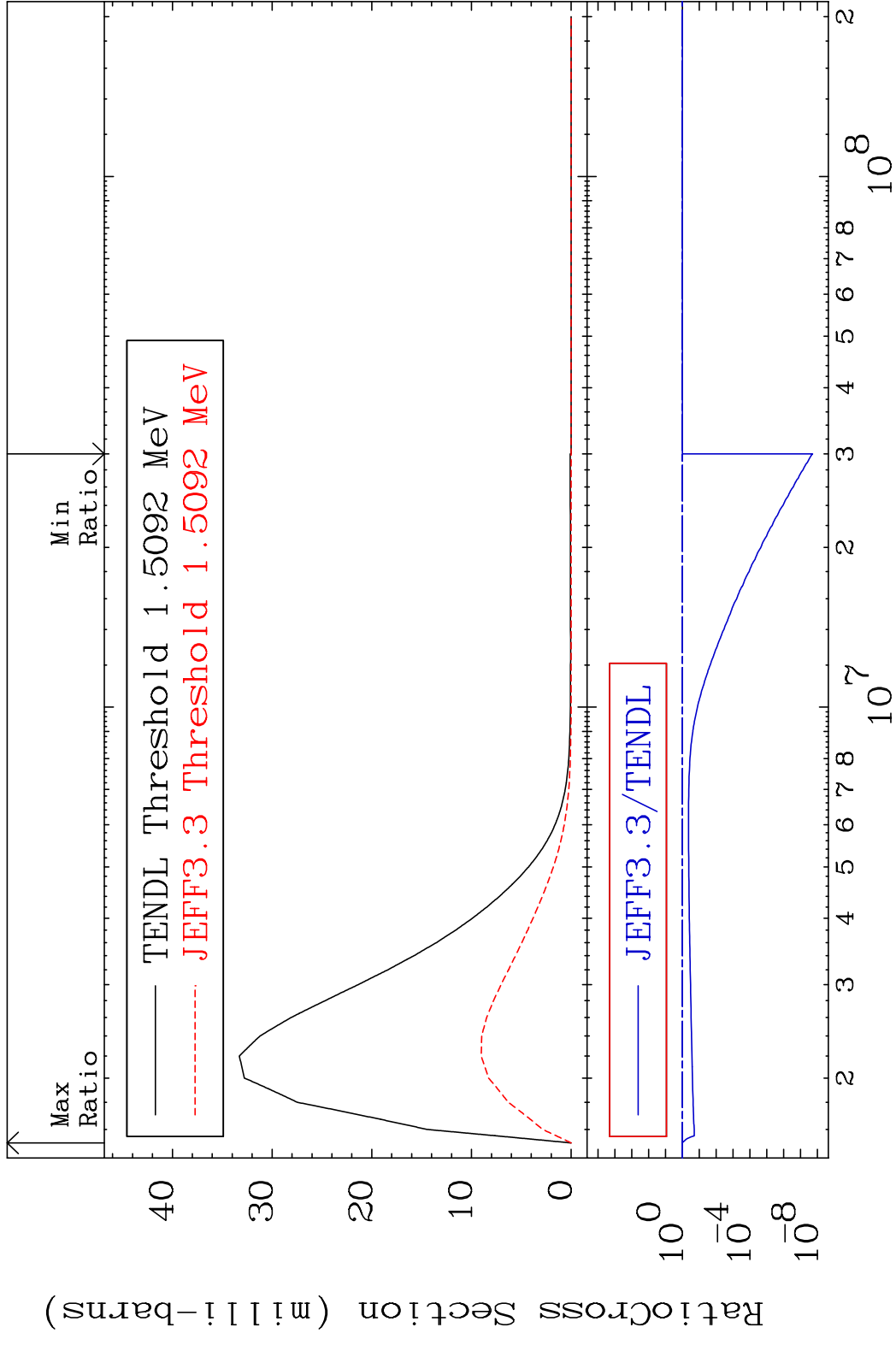
MAT 3313 MT= 70 (n, n') Level 33-As-71
 Cross Section -100.0 To 0.000 %



MAT 3313 MT= 71 (n,n') Level 33-As-71
 Cross Section -49.72 To 109.8 %

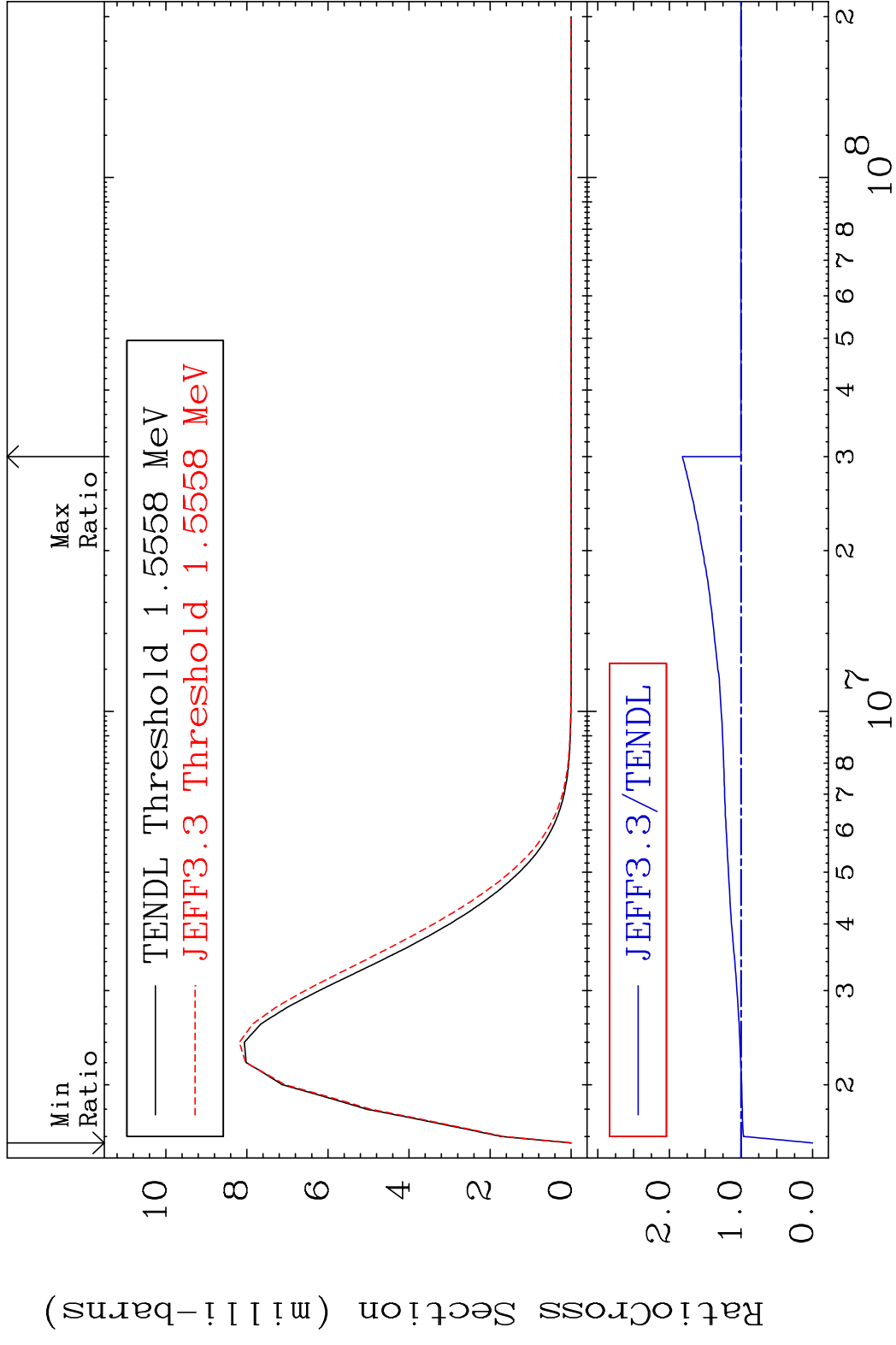


MAT 3313 MT= 72 (n, n') Level 33-As-71
 Cross Section -100.0 To 0.000 %

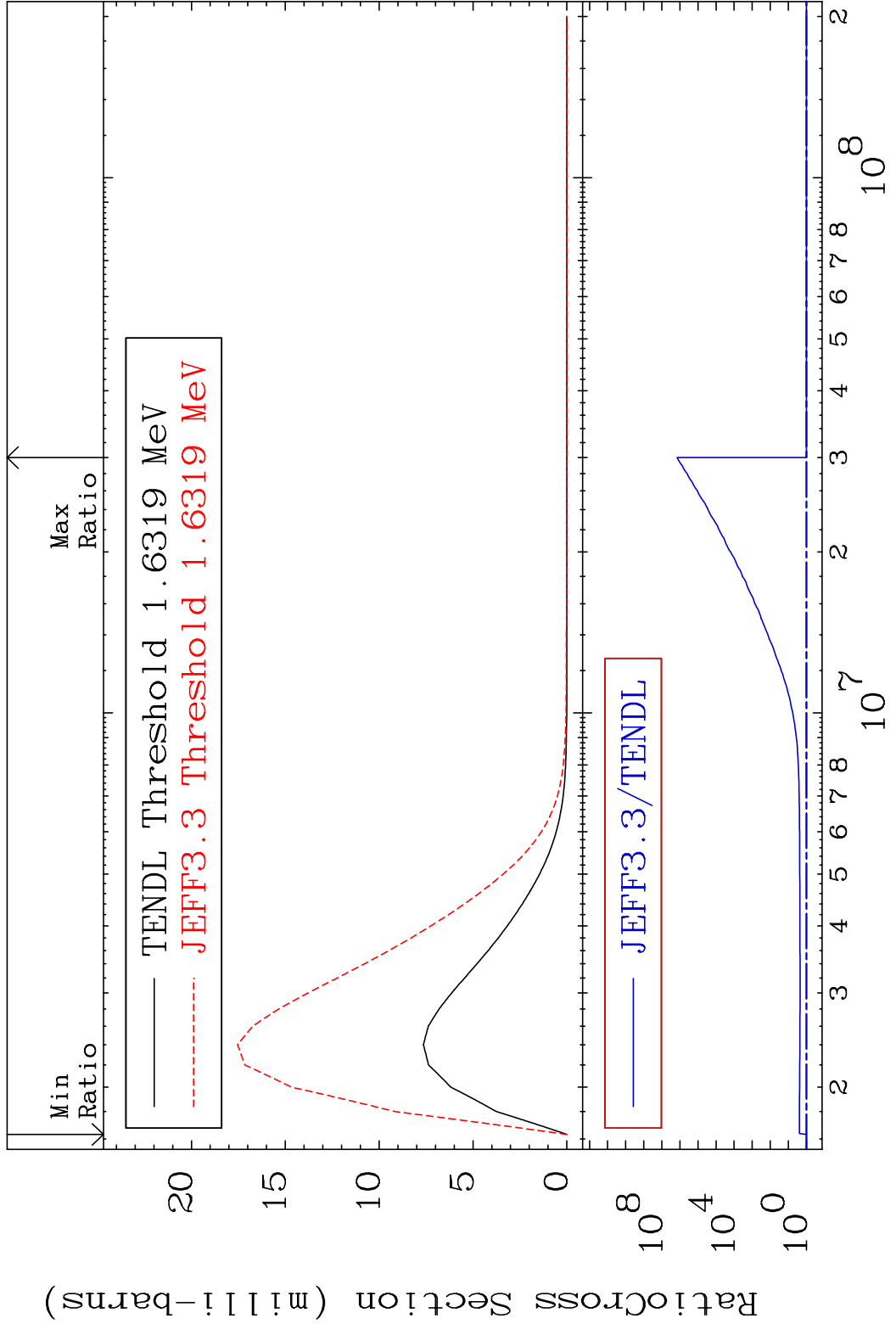


40 Incident Energy (eV) 33-As-71

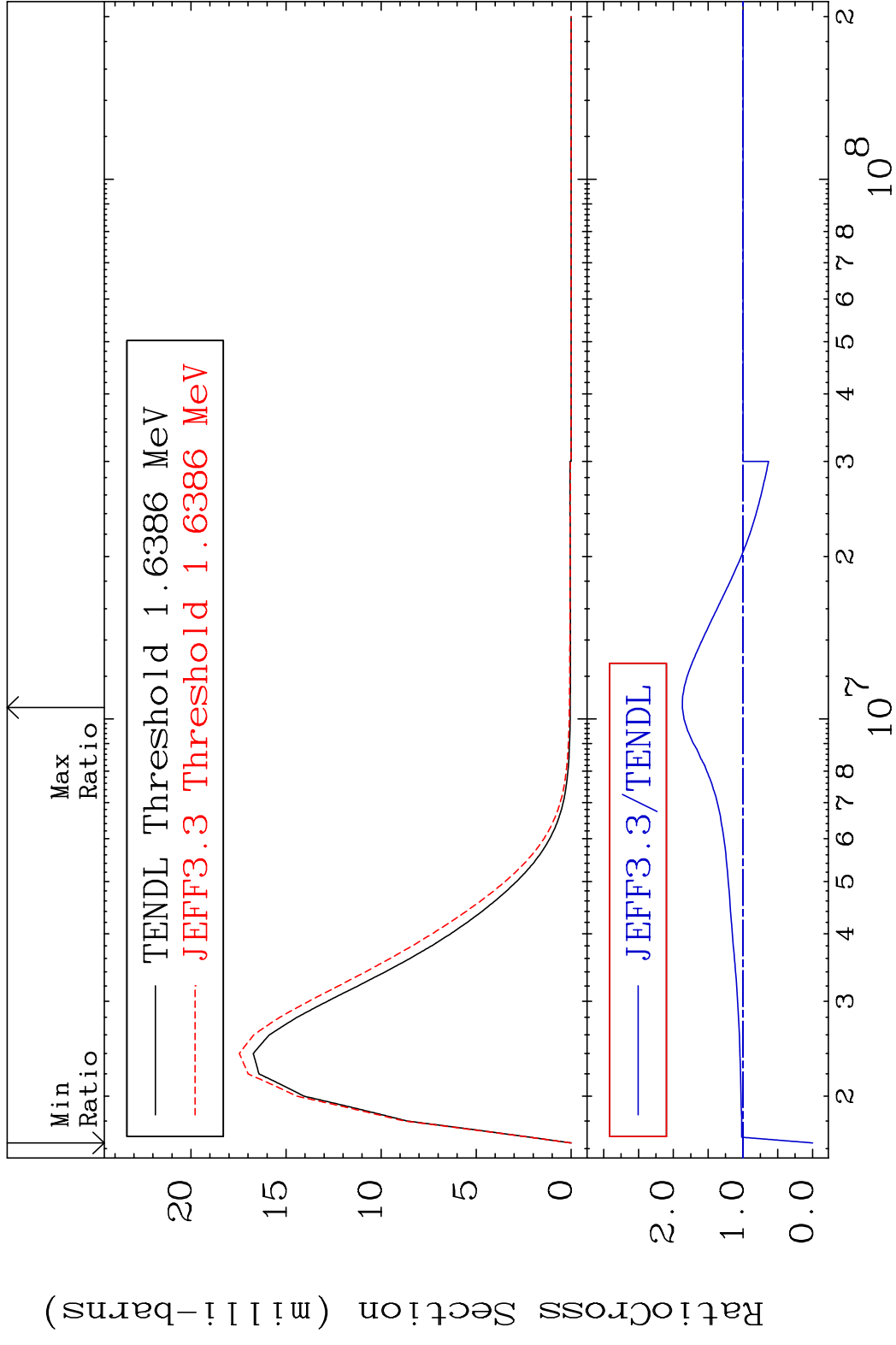
MAT 3313 MT= 73 (n, n') Level 33-As-71
 Cross Section -100.0 To 81.87 %



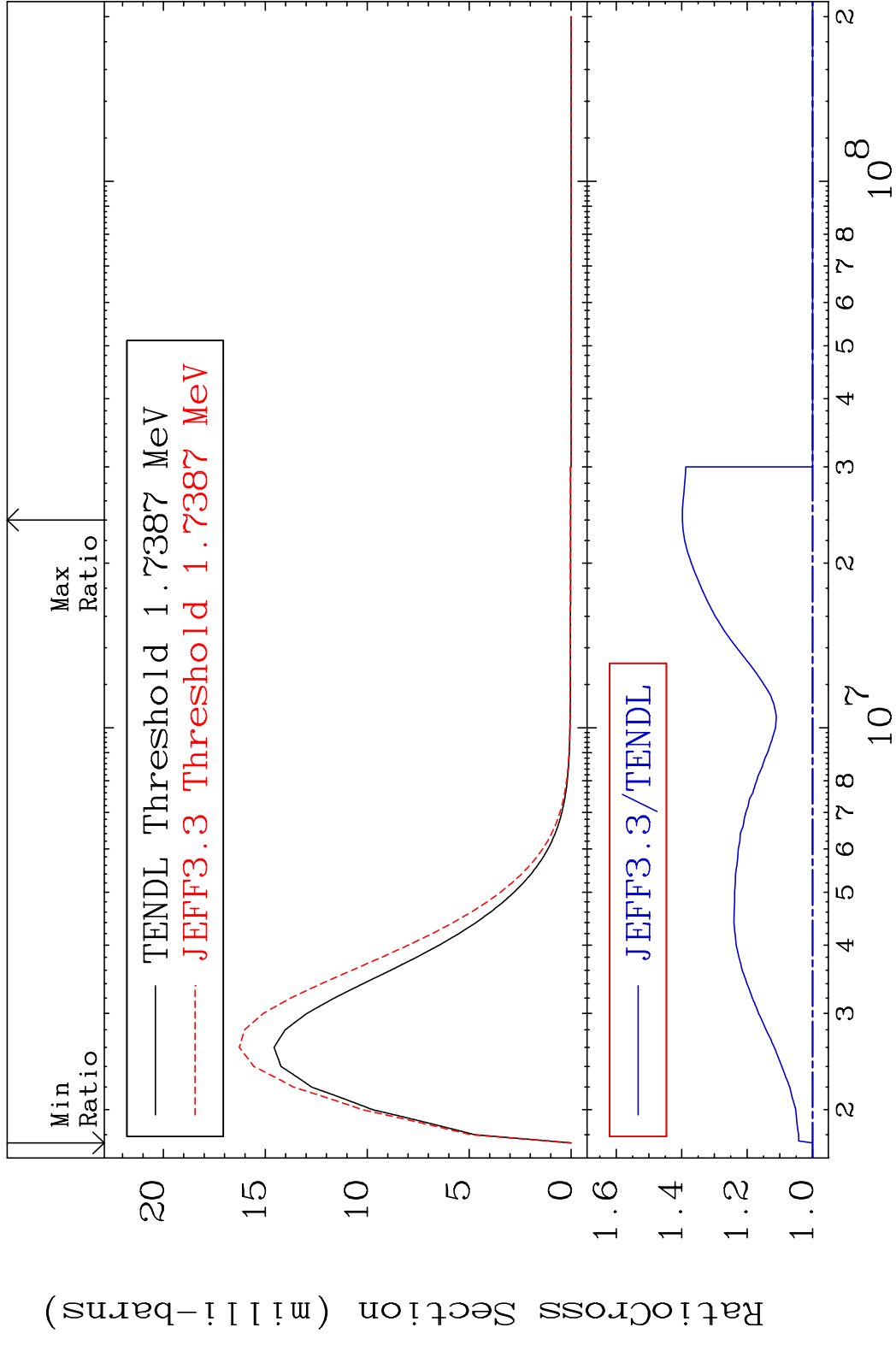
MAT 3313 MT= 74 (n,n') Level 33-As-71
 Cross Section 0.000 To 9999. %



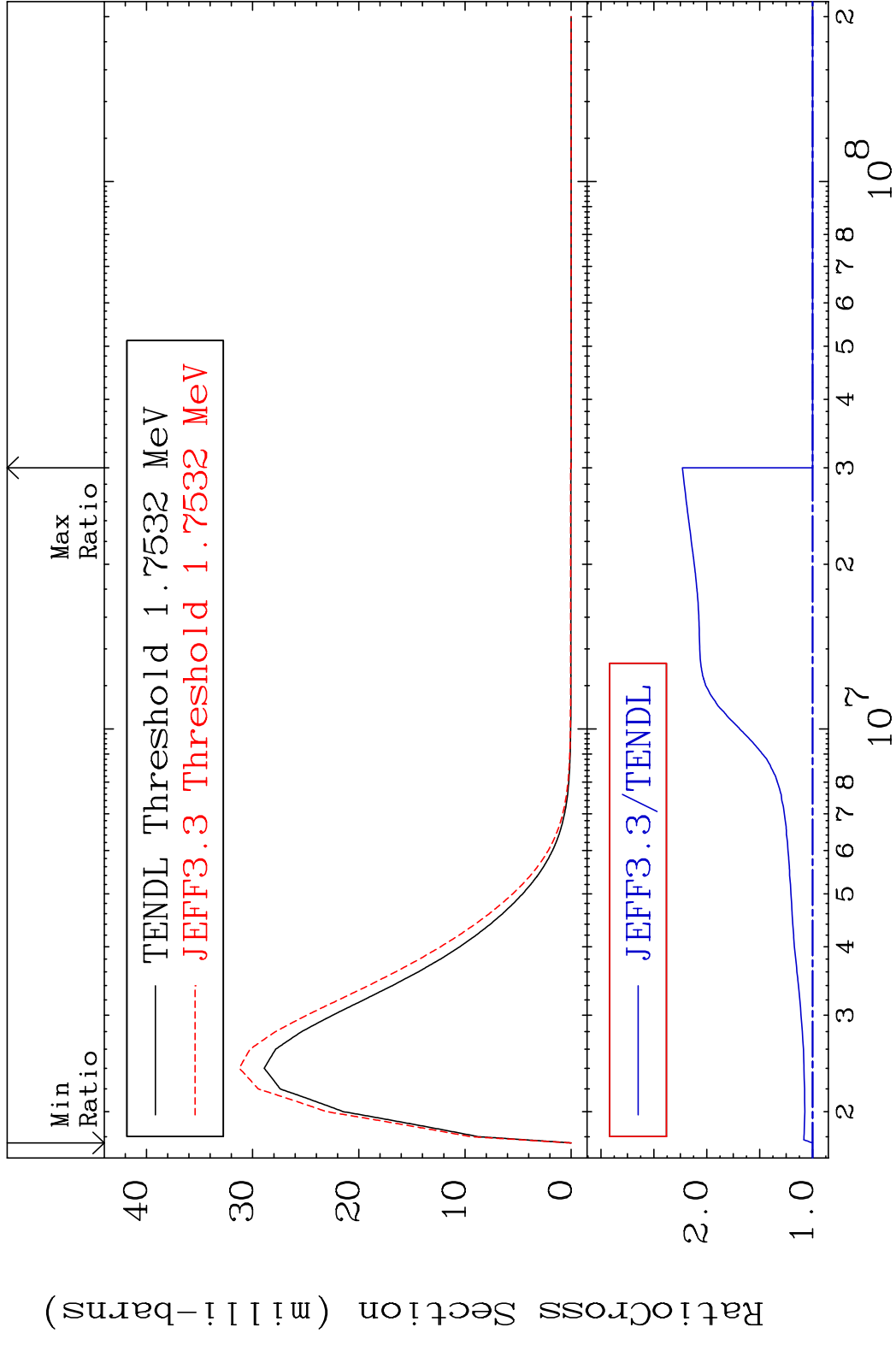
MAT 3313 MT= 75 (n,n') Level 33-As-71
 Cross Section -100.0 To 87.03 %



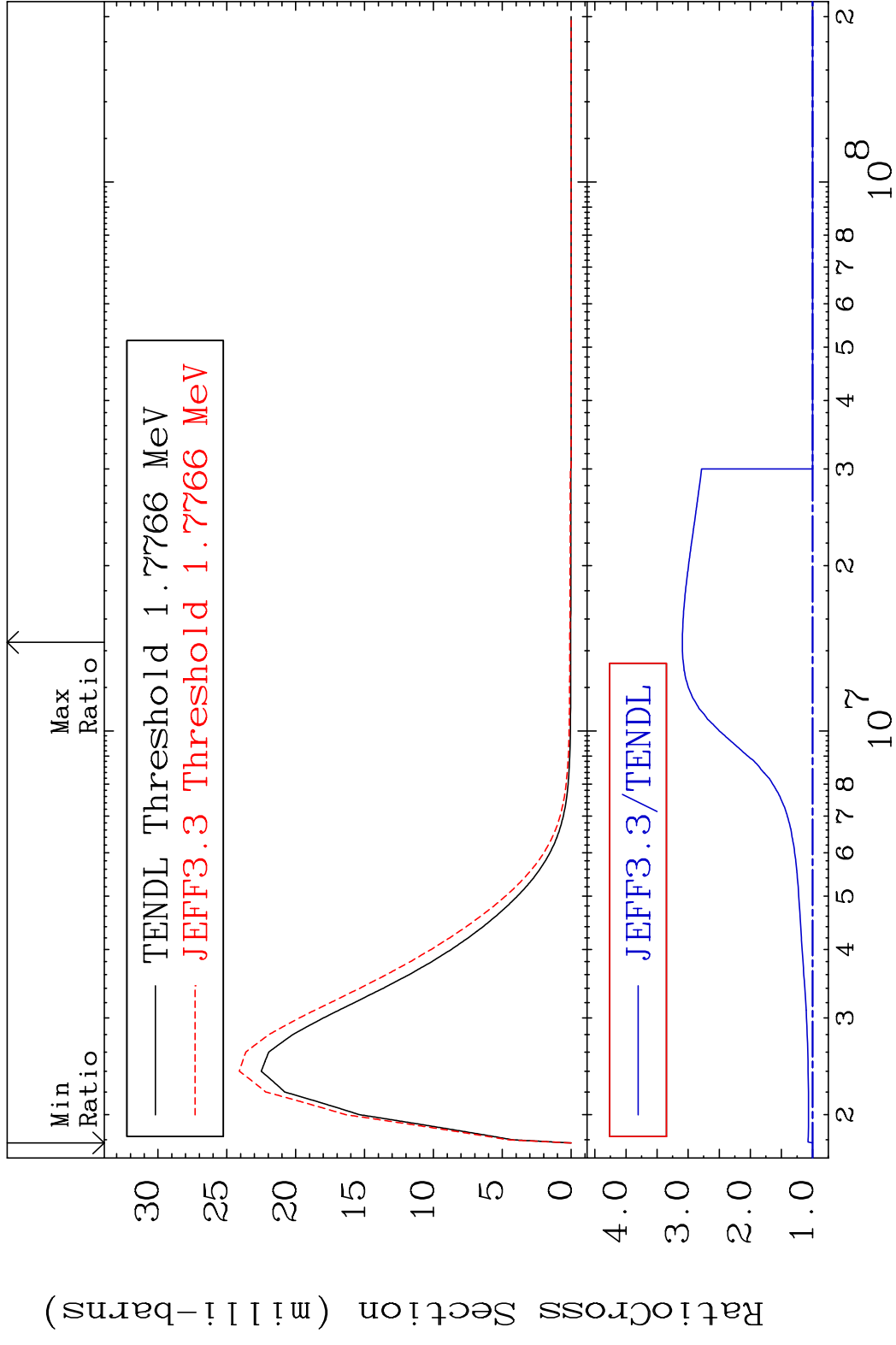
MAT 3313 MT= 76 (n, n') Level 33-As-71
 Cross Section 0.000 To 39.80 %



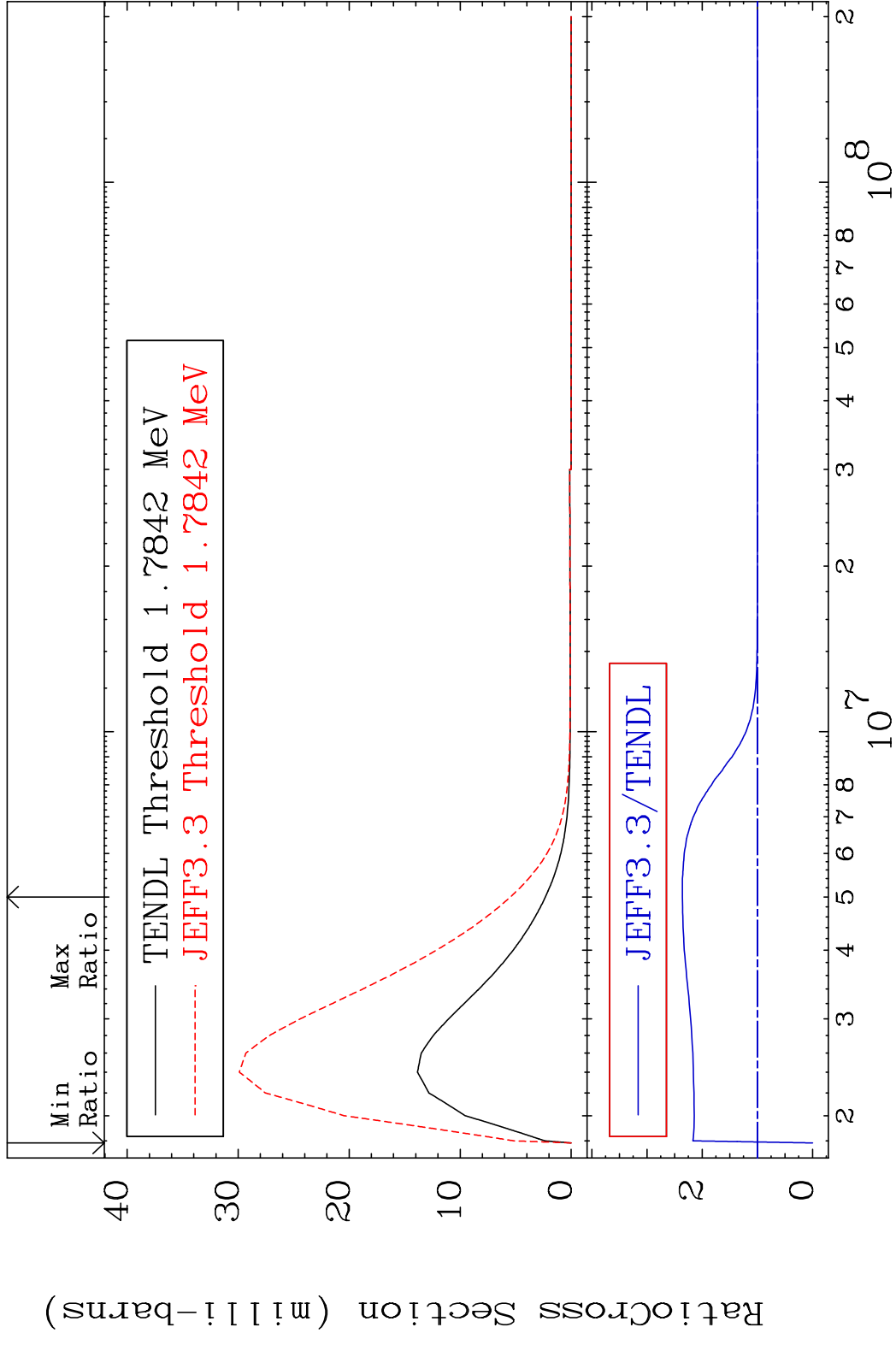
MAT 3313 MT= 77 (n, n') Level 33-As-71
 Cross Section 0.000 To 123.1 %



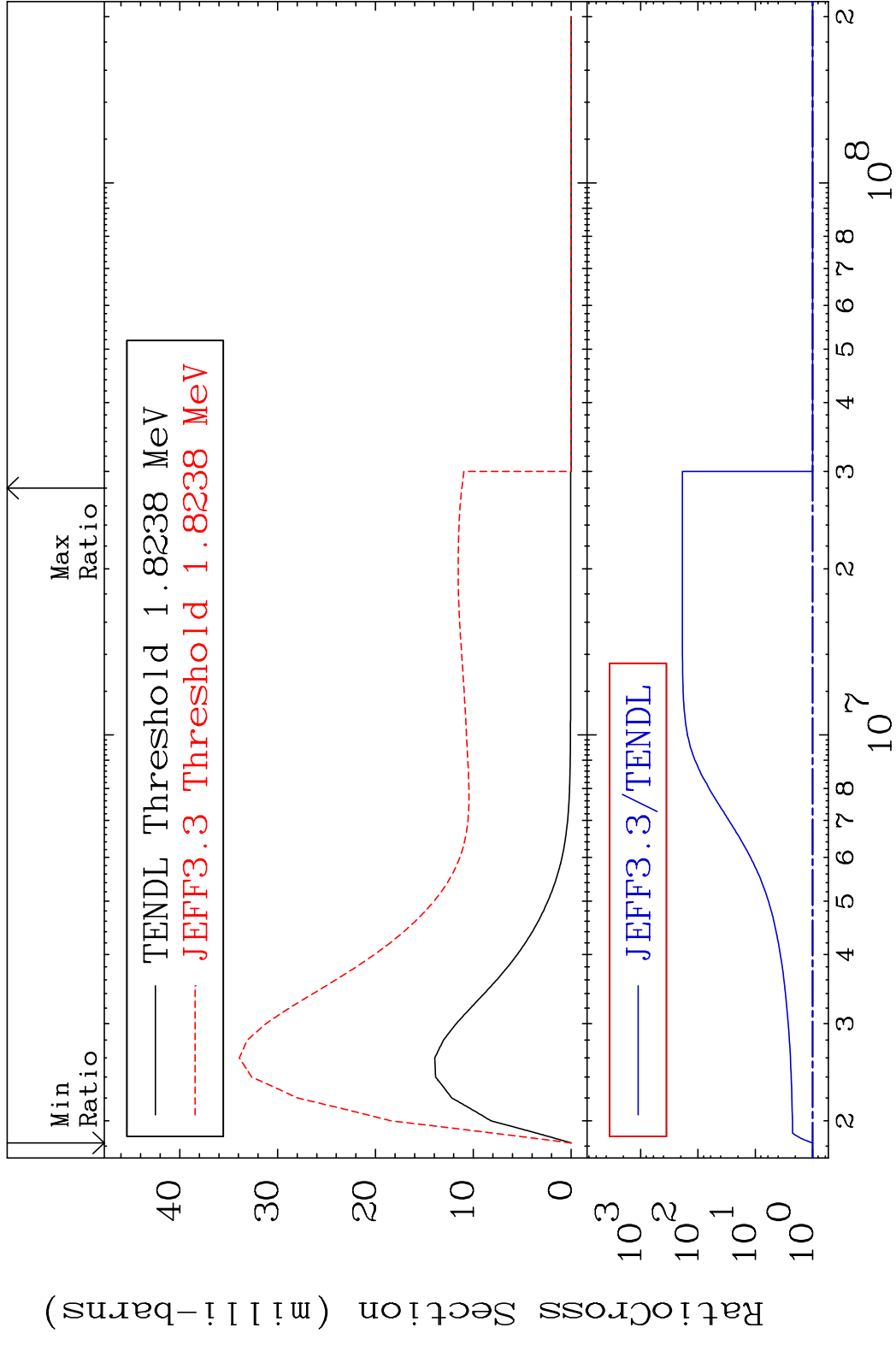
MAT 3313 MT= 78 (n, n') Level 33-As-71
 Cross Section 0.000 To 209.3 %



MAT 3313 MT= 79 (n,n') Level 33-As-71
 Cross Section -100.0 To 135.9 %



MAT 3313 MT= 80 (n, n') Level 33-As-71
 Cross Section 0.000 To 9999. %

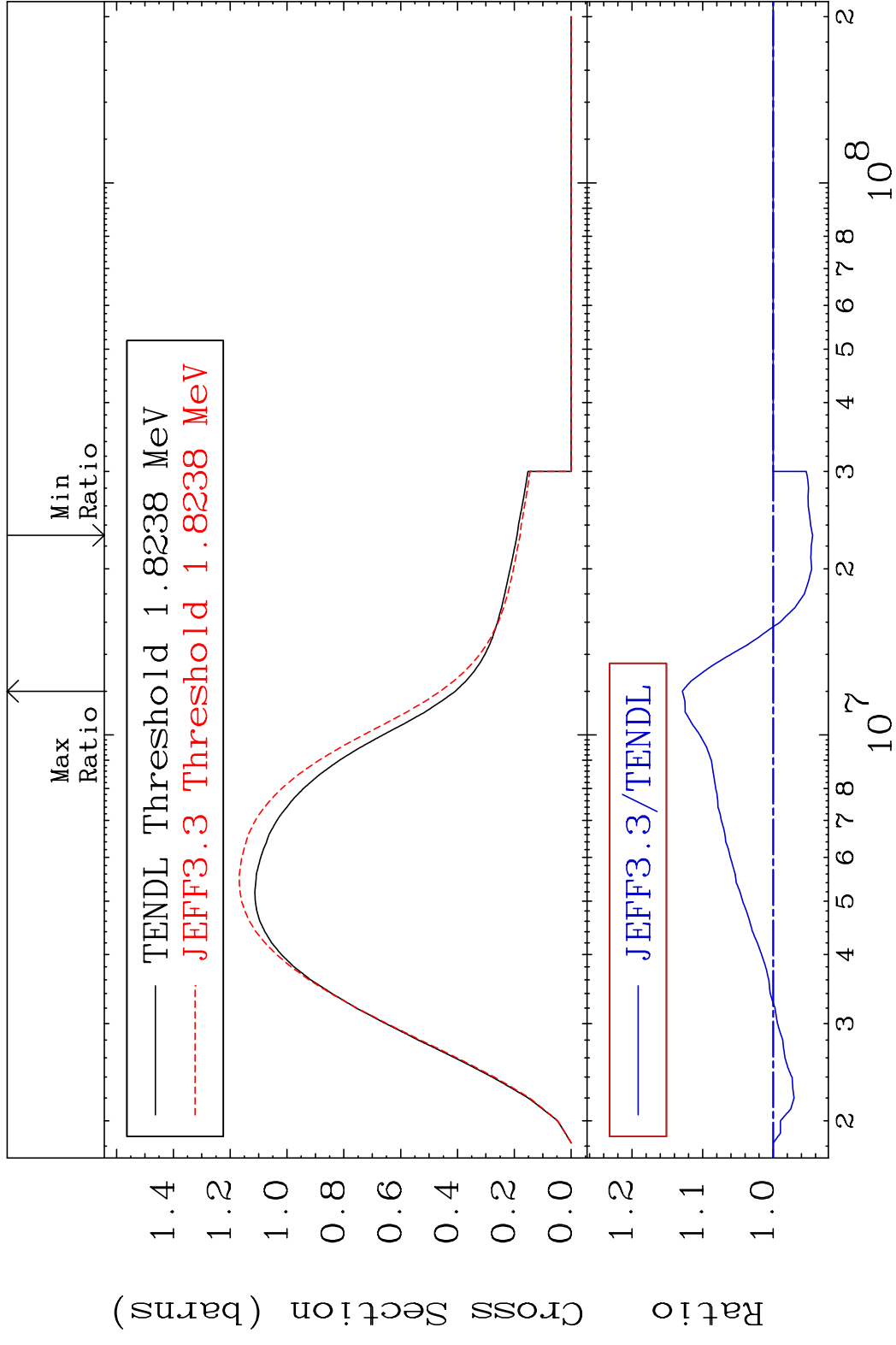


MAT 3313

(n, n') Continuum

33-As-71

Cross Section -5.564 To 12.87 %



49

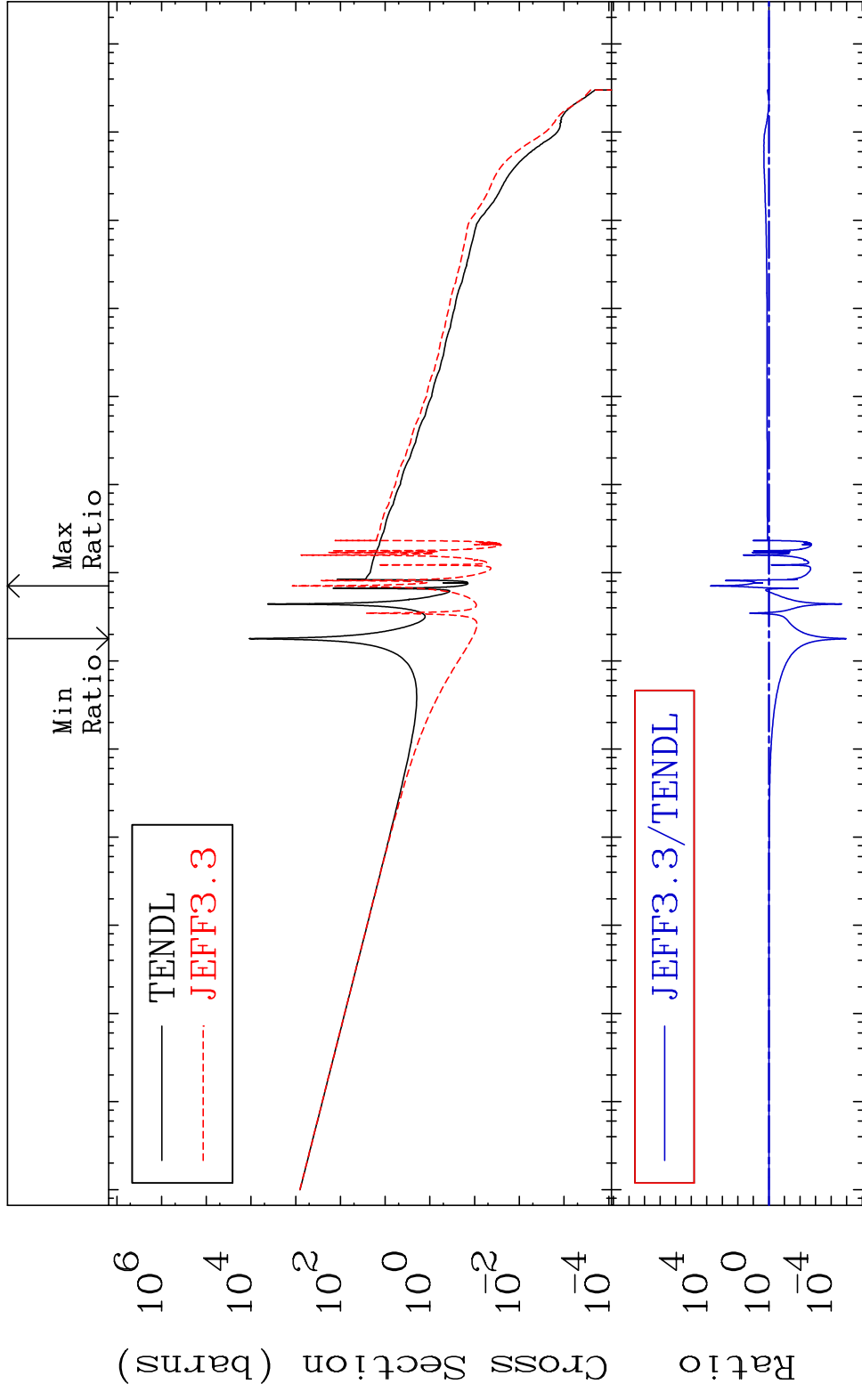
Incident Energy (eV)

33-As-71

MAT 3313

(n, γ)
Cross Section -100.0 To 9999. %

33-As-71

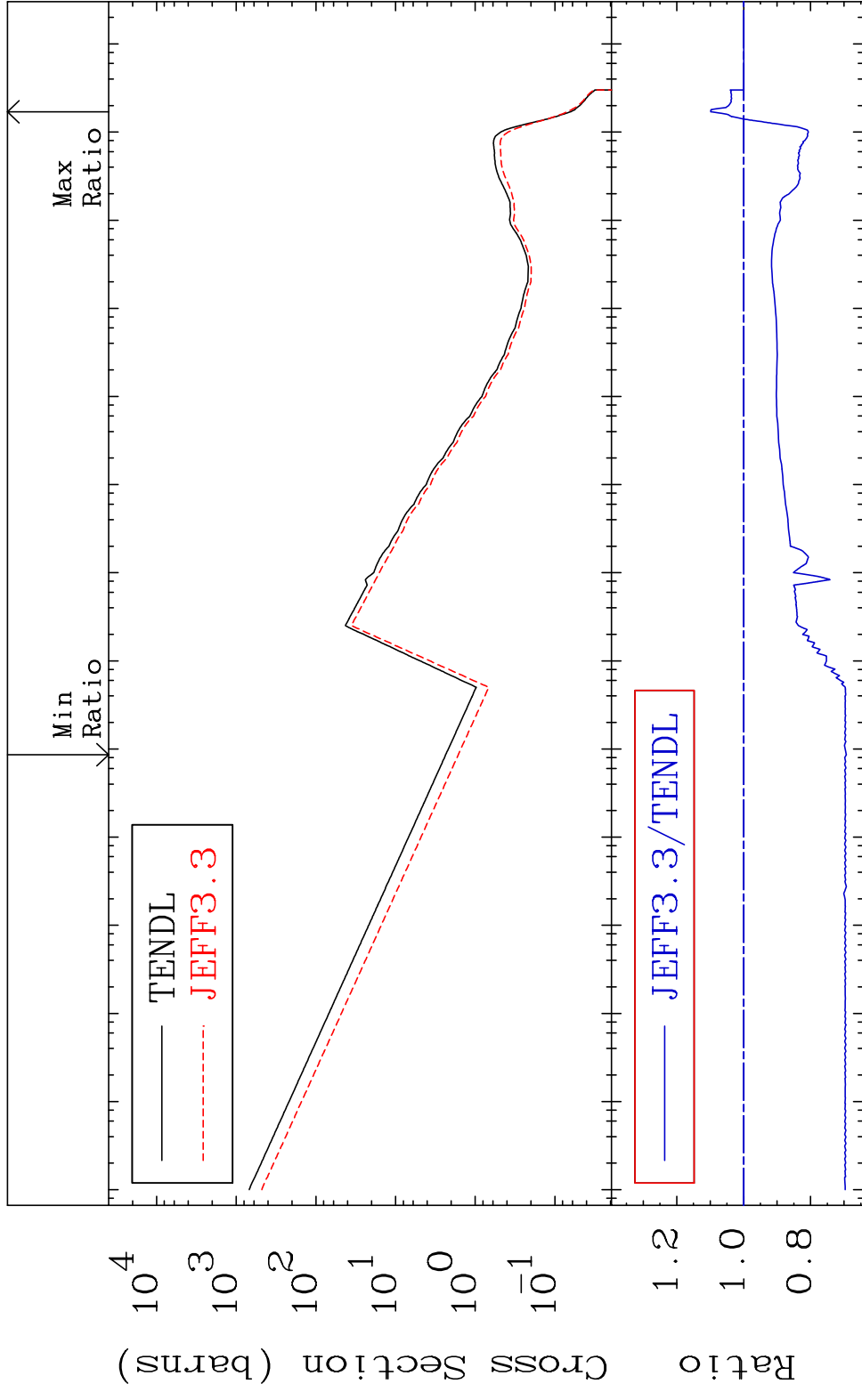


MAT 3313

(n, p)

33-As-71

Cross Section -30.67 To 9.840 %



Min Ratio

Max Ratio

10^4

10^3

10^2

10^1

10^0

10^{-1}

1.2

1.0

0.8

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

51

Incident Energy (eV)

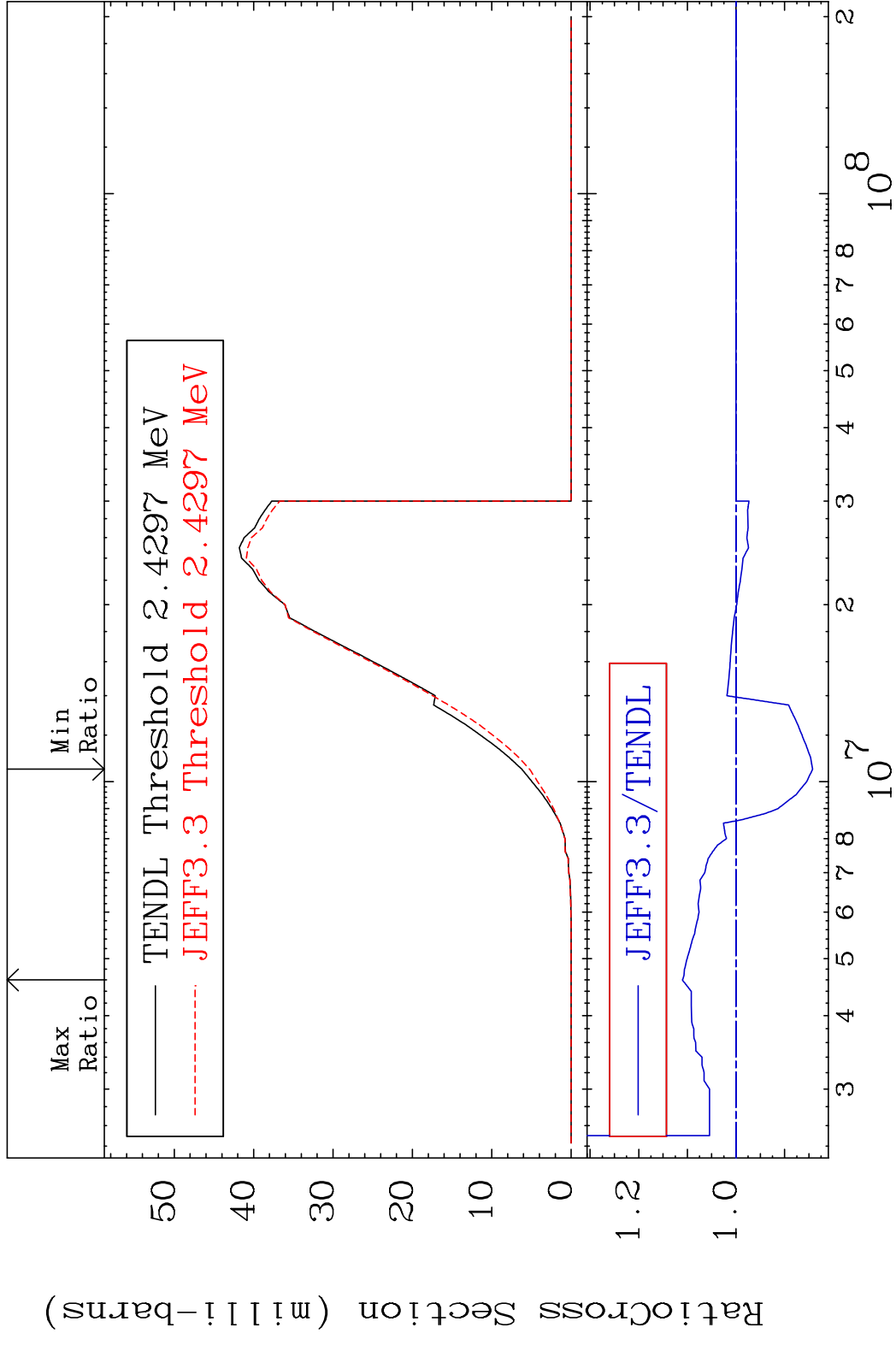
33-As-71

MAT 3313

(n, d)

33-As-71

Cross Section -15.74 To 11.03 %

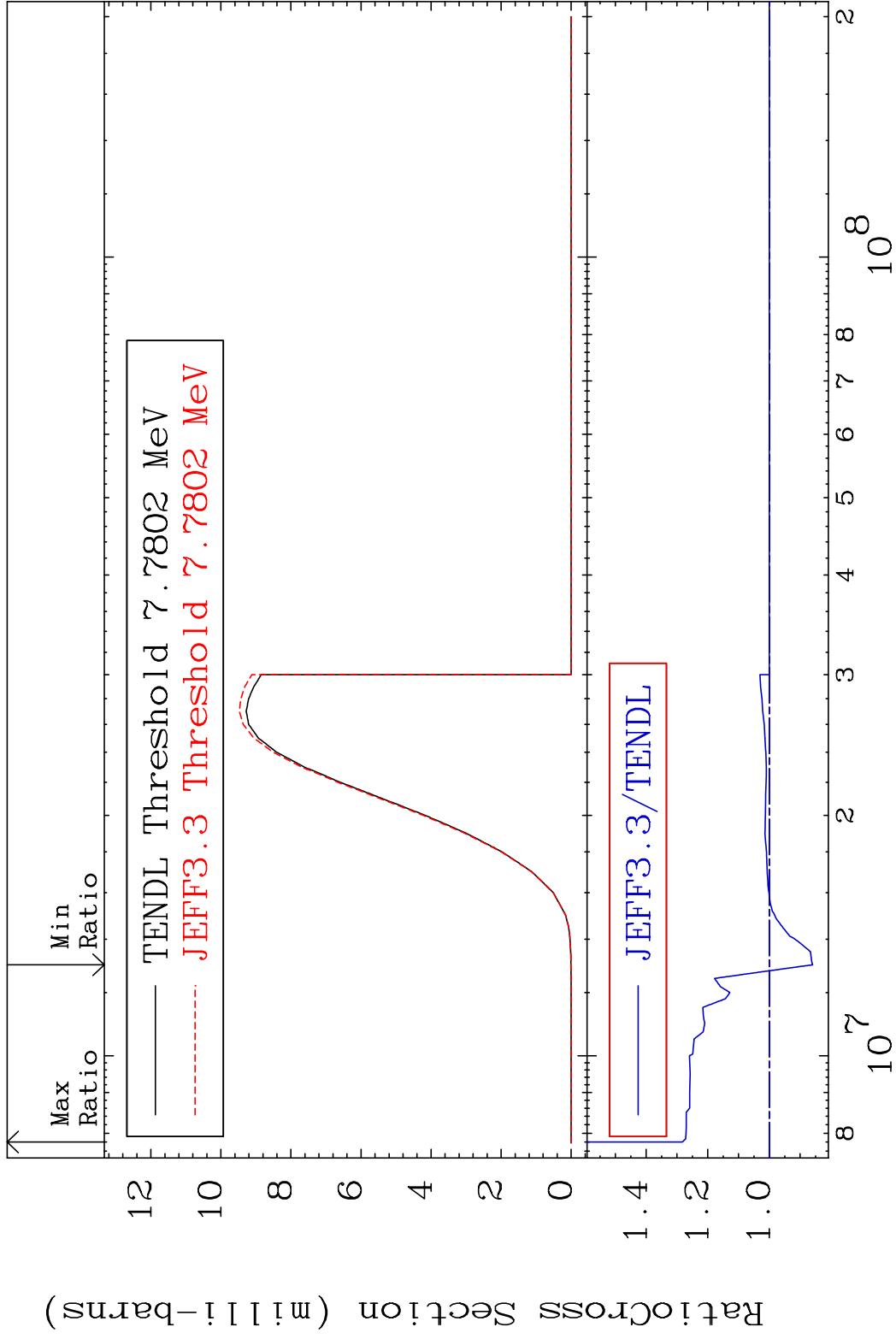


MAT 3313

(n, t)

33-As-71

Cross Section -14.04 To 28.25 %



53

Incident Energy (eV)

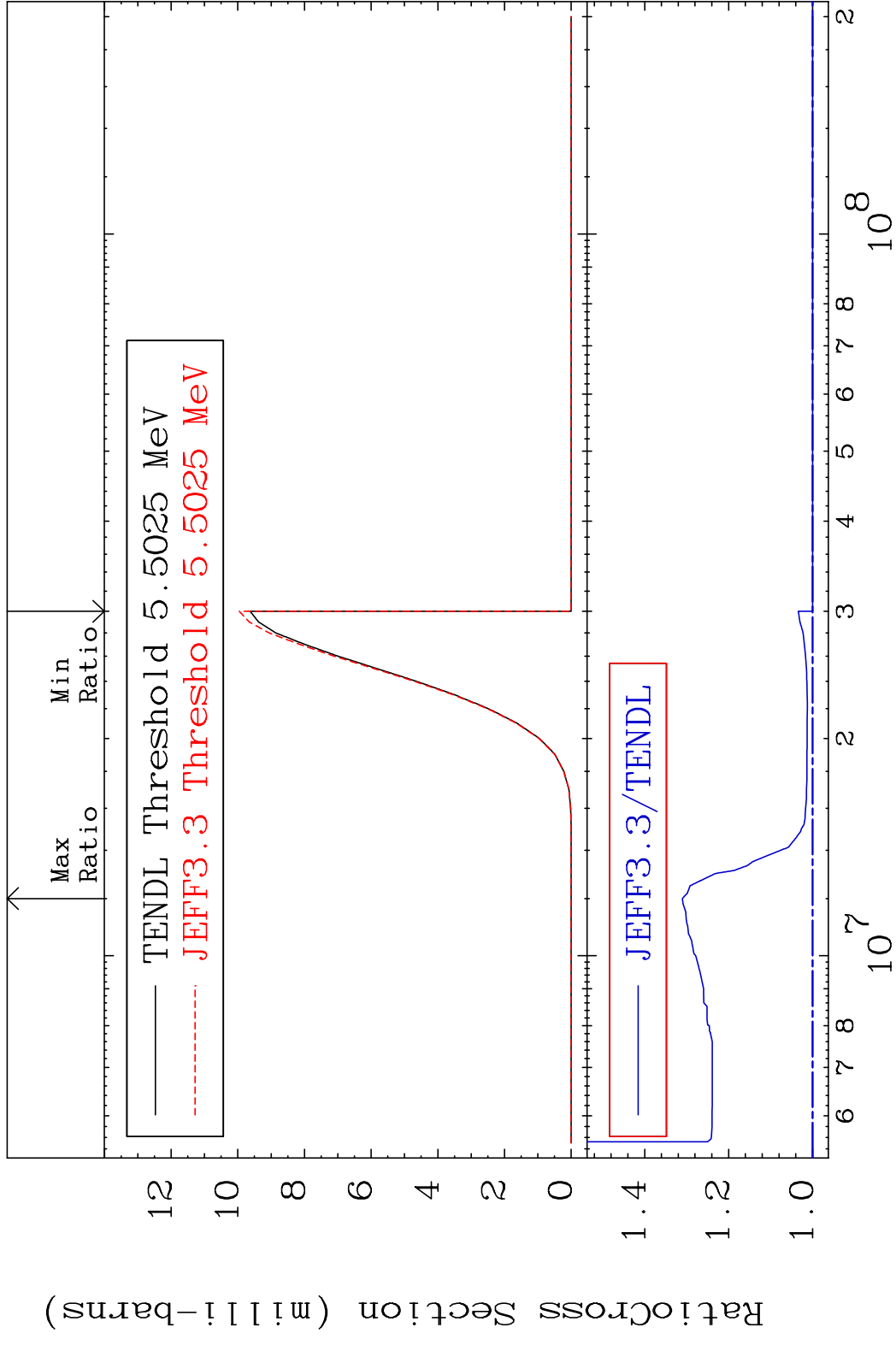
33-As-71

MAT 3313

(n, He-3)

33-As-71

Cross Section 0.000 To 31.02 %

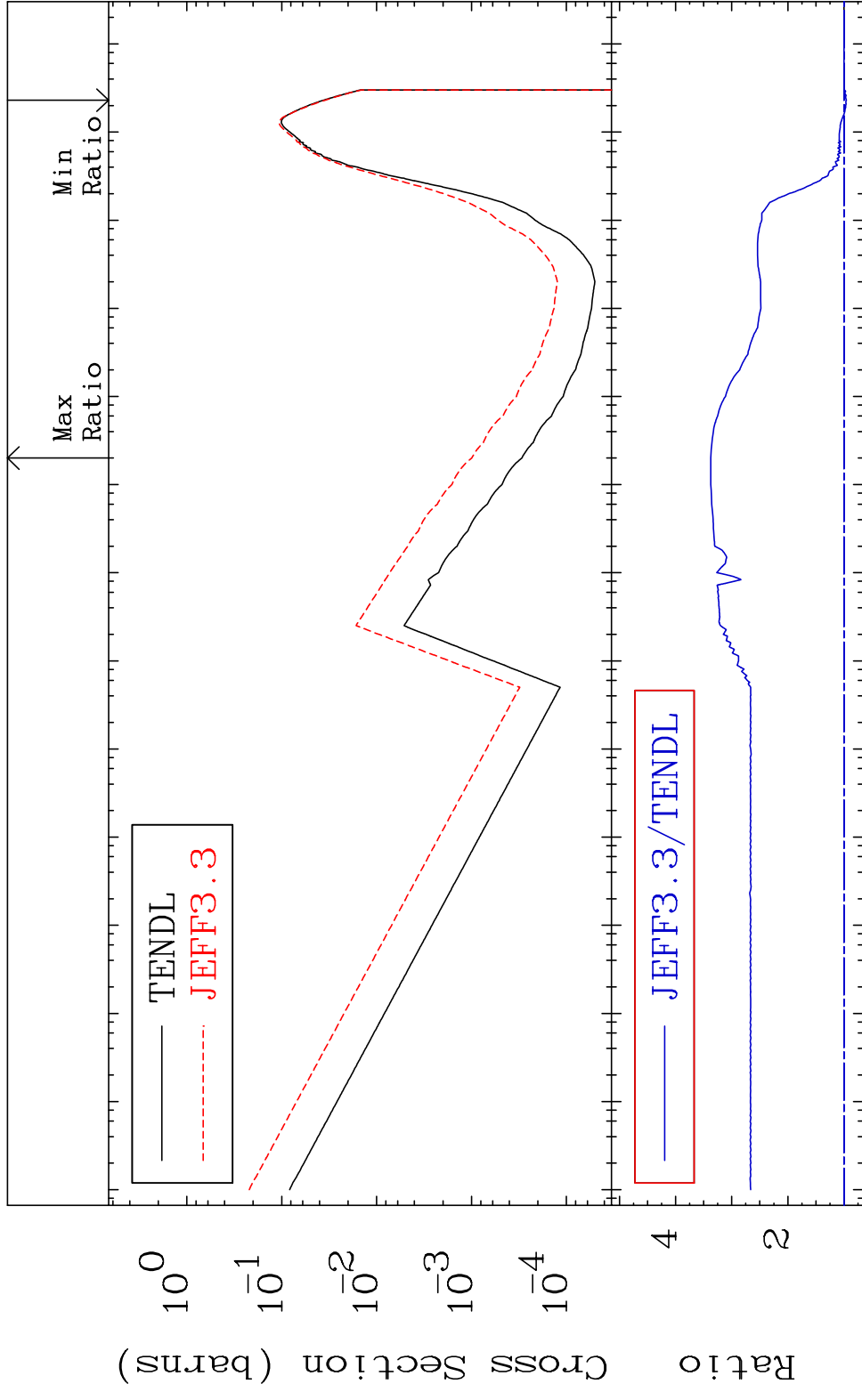


MAT 3313

(n, α)

33-As-71

Cross Section -4.168 To 237.4 %



Ratio

4

2

10⁰

10⁻¹

10⁻²

10⁻³

10⁻⁴

10⁻⁵

10⁻⁴

10⁻³

10⁻²

10⁻¹

10⁰

10¹

10²

10³

10⁴

10⁵

10⁶

10⁷

10⁸

55

Incident Energy (eV)

33-As-71

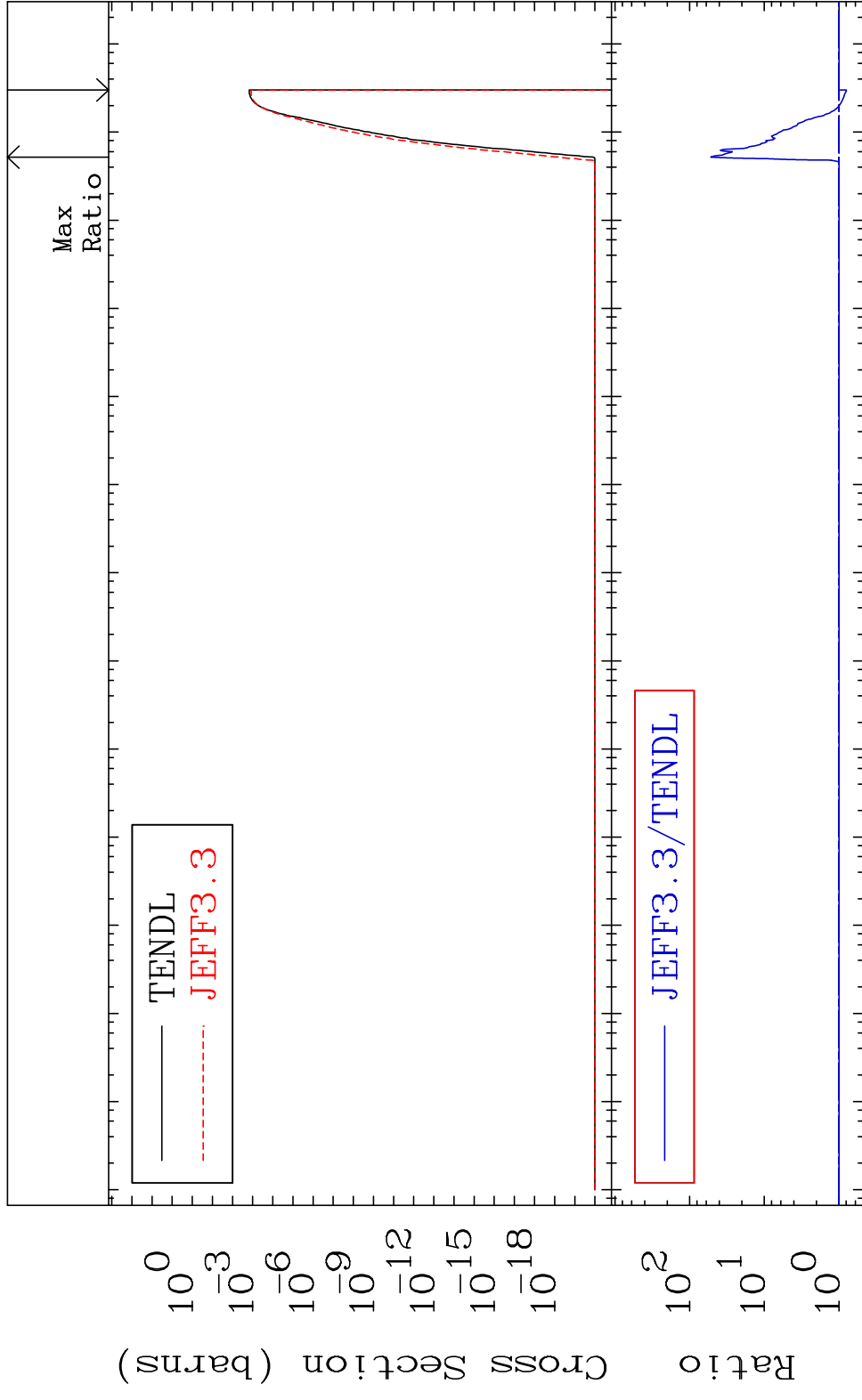
MAT 3313

(n, 2α)

33-AS-71

Cross Section

-20.48 To 5131. %

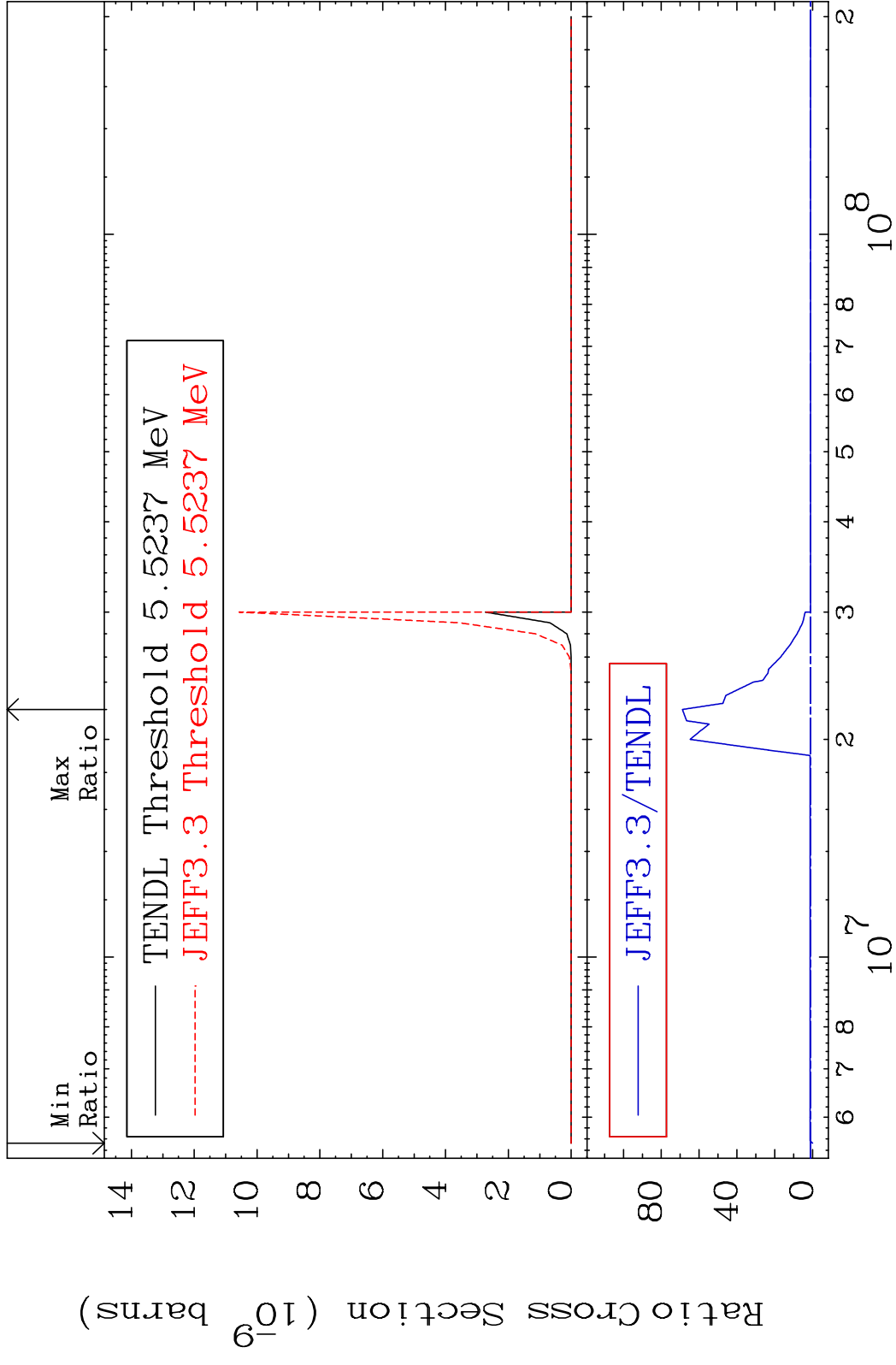


MAT 3313

(n,3α)

33-AS-71

Cross Section -100.0 To 6786. %

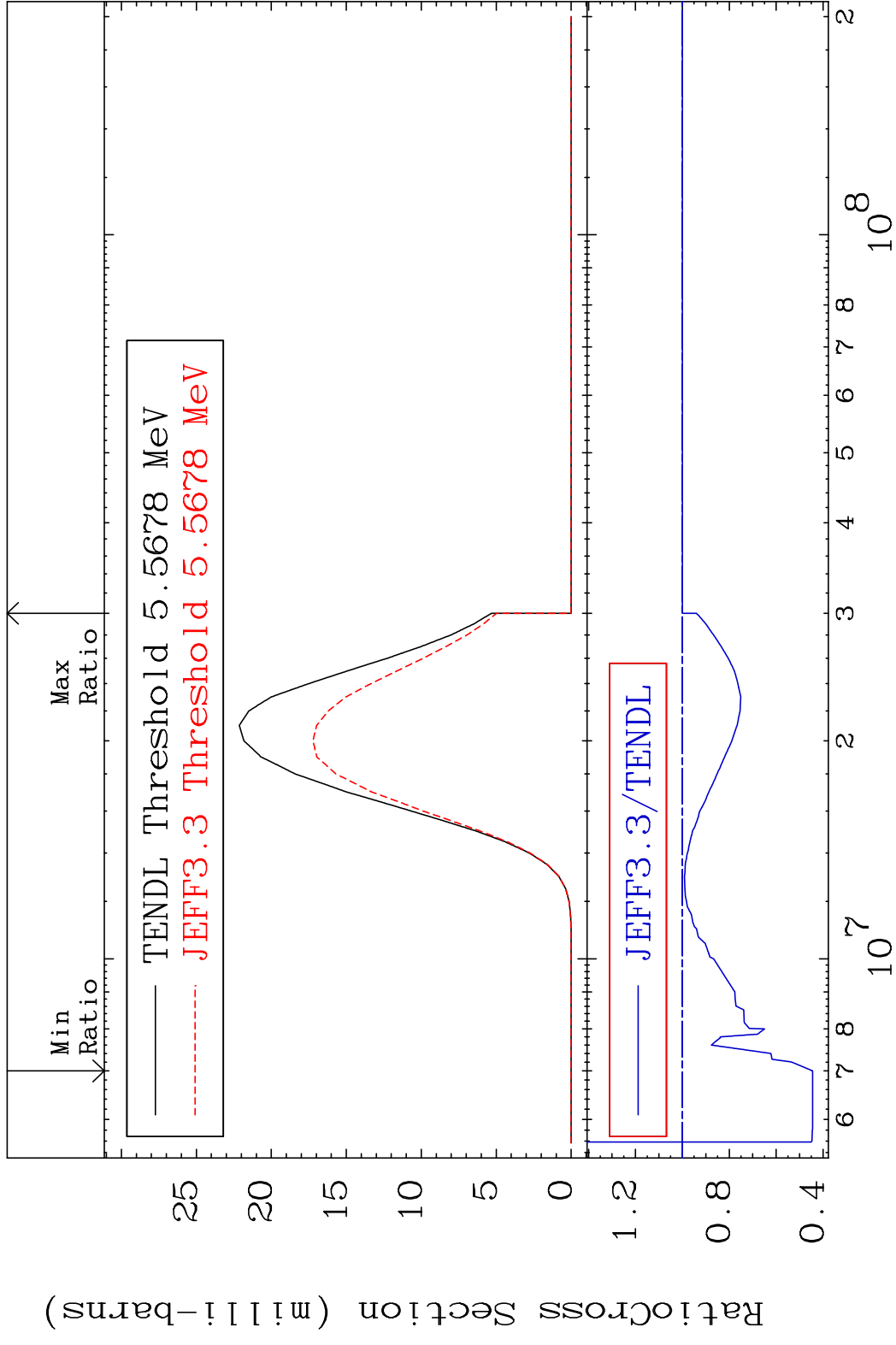


MAT 3313

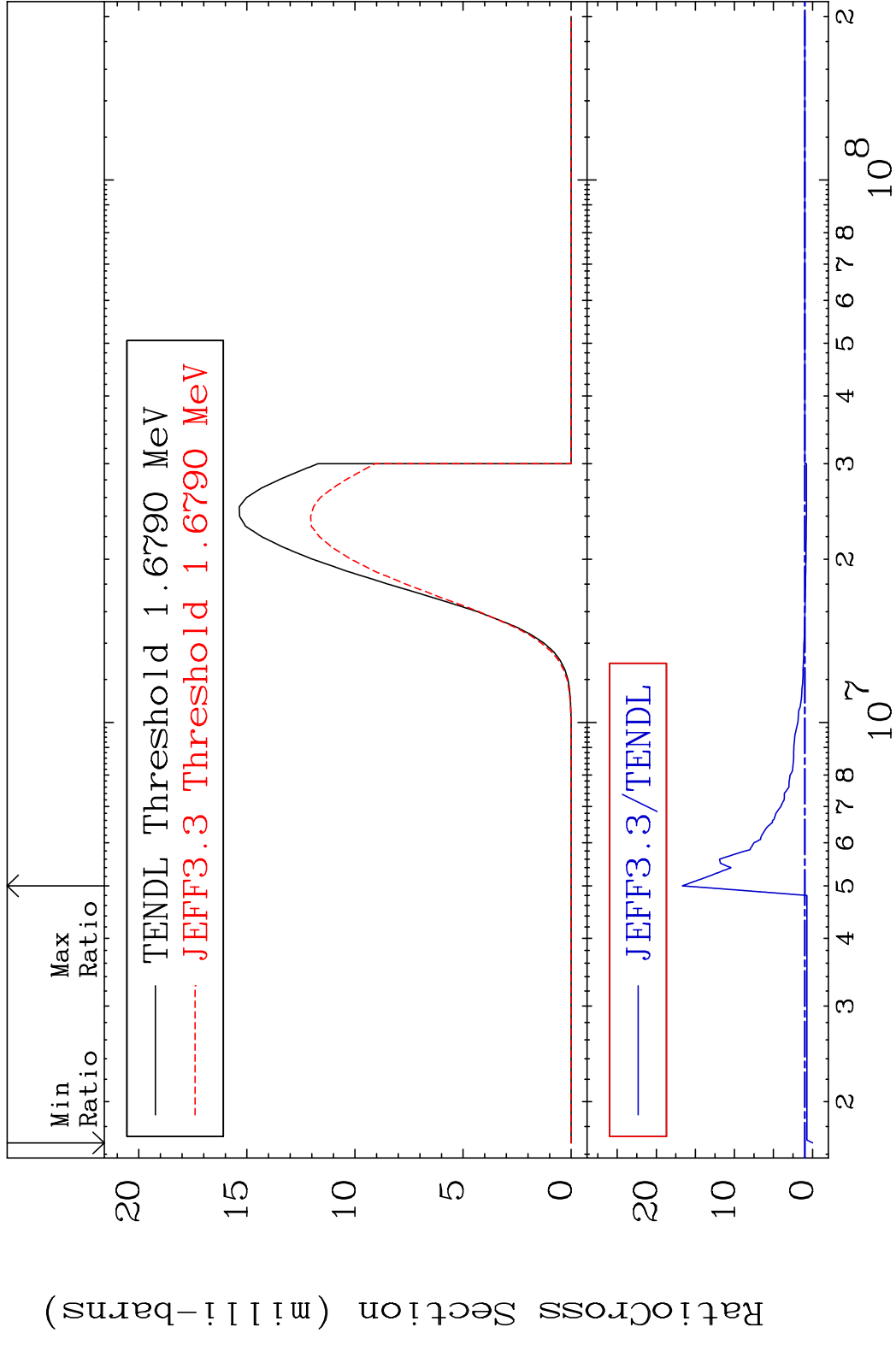
(n,2p)

33-As-71

Cross Section -55.52 To 0.000 %



MAT 3313 (n,p) α 33-As-71
 Cross Section -100.0 To 1566. %

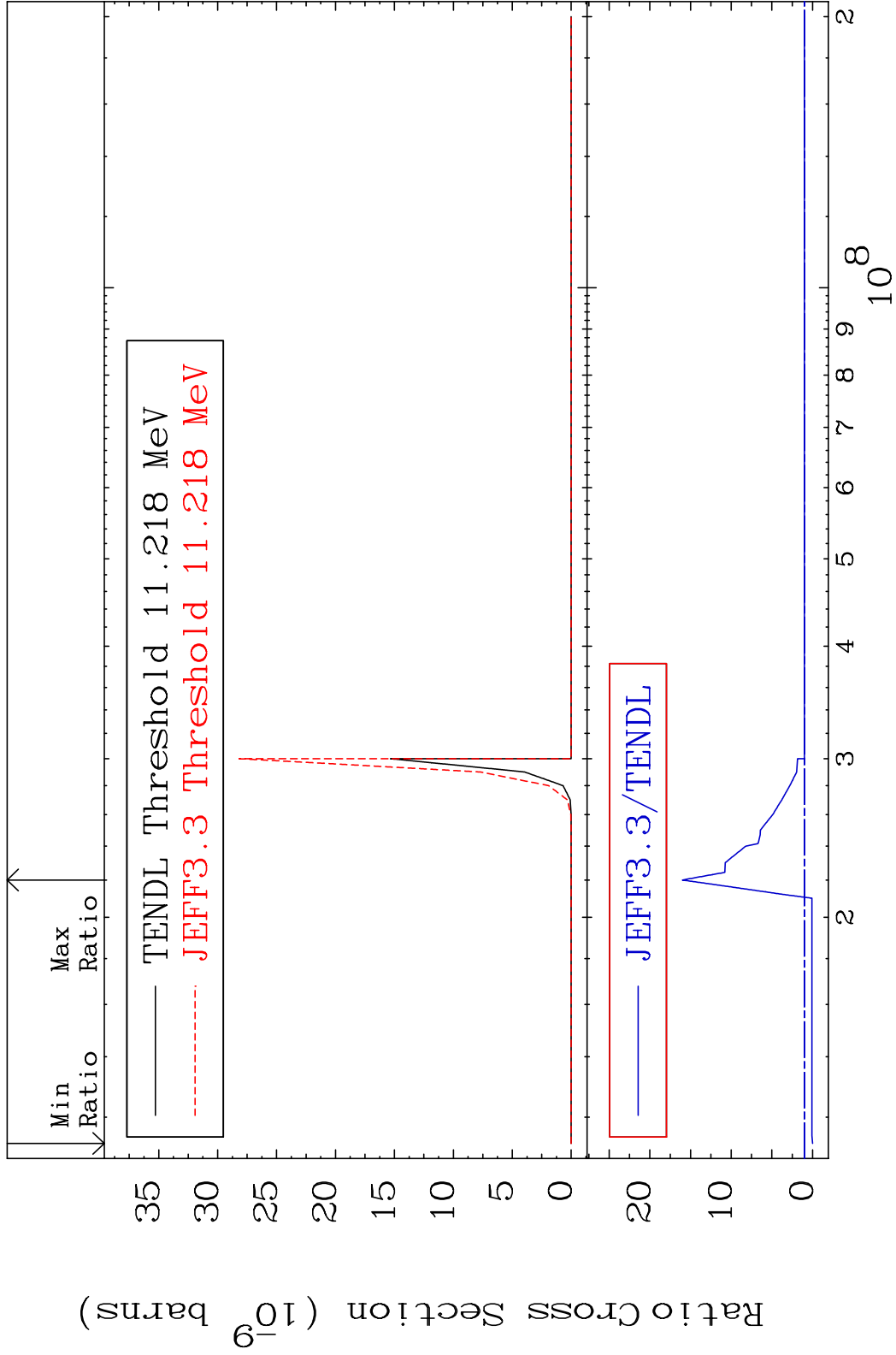


MAT 3313

(n, d) 2α

33-AS-71

Cross Section -100.0 To 1501. %



60

Incident Energy (eV)

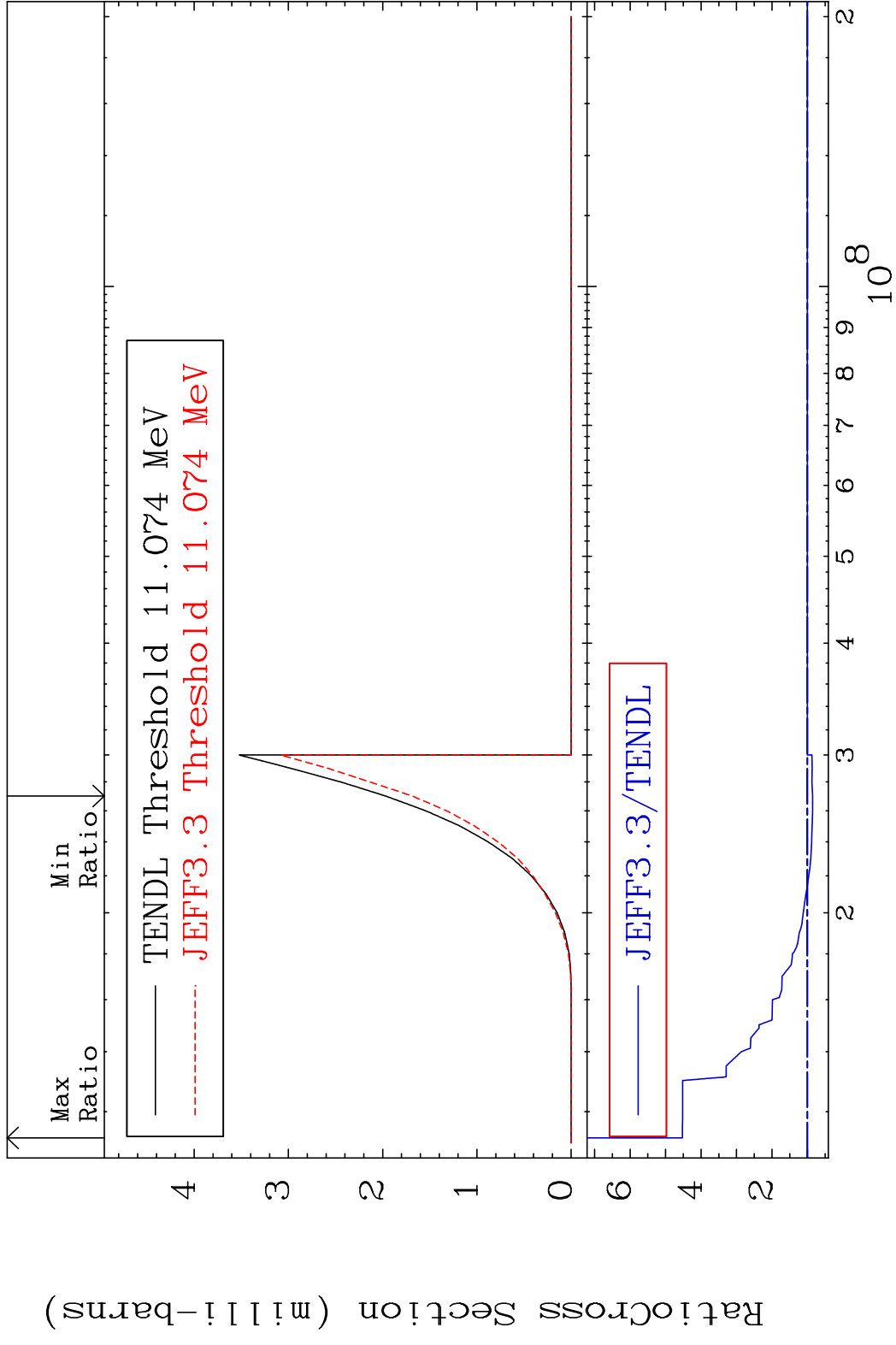
33-AS-71

MAT 3313

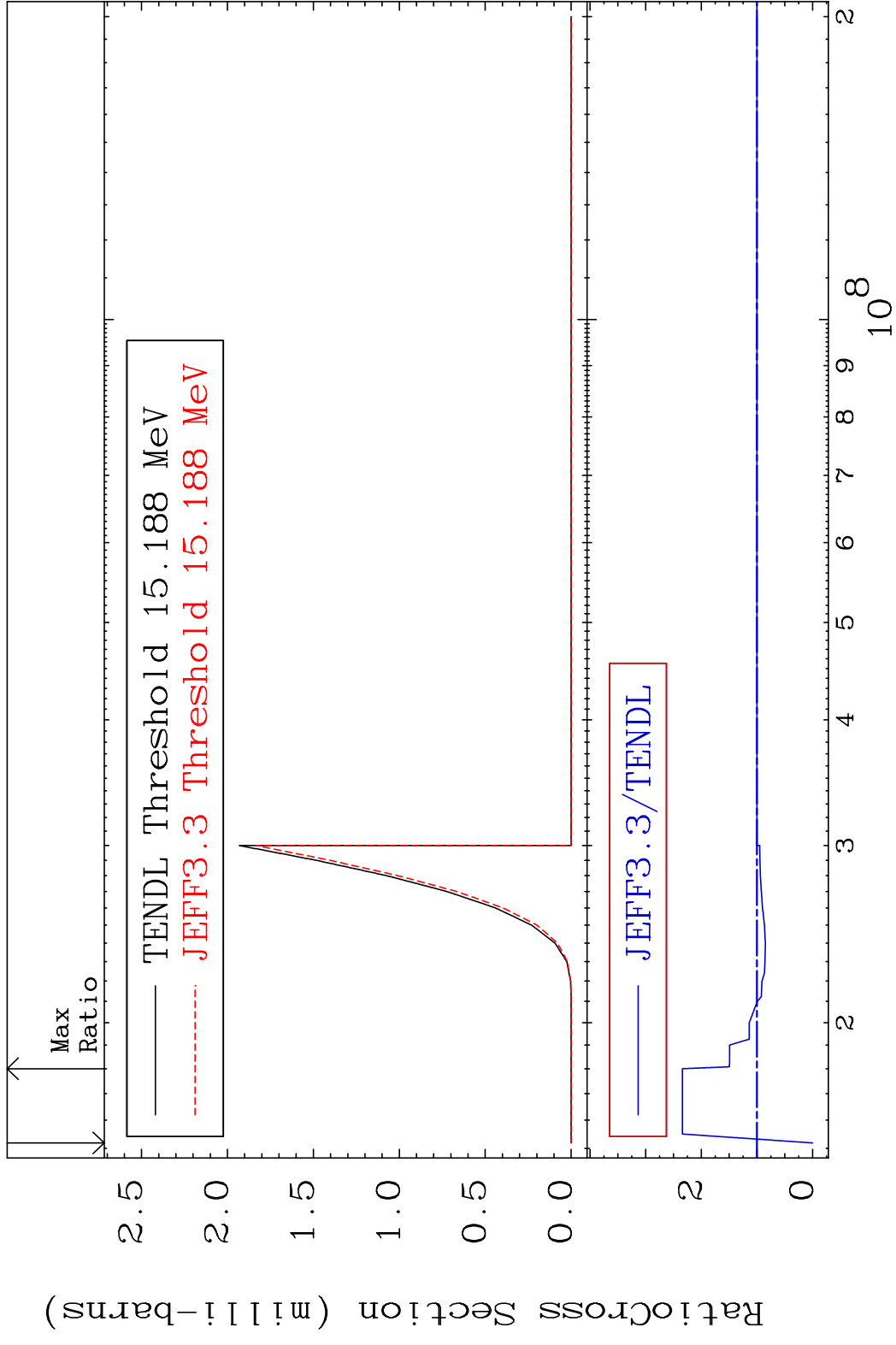
(n,p) d

33-As-71

Cross Section -14.37 To 352.7 %



MAT 3313 (n,p) t 33-As-71
 Cross Section -100.0 To 134.1 %

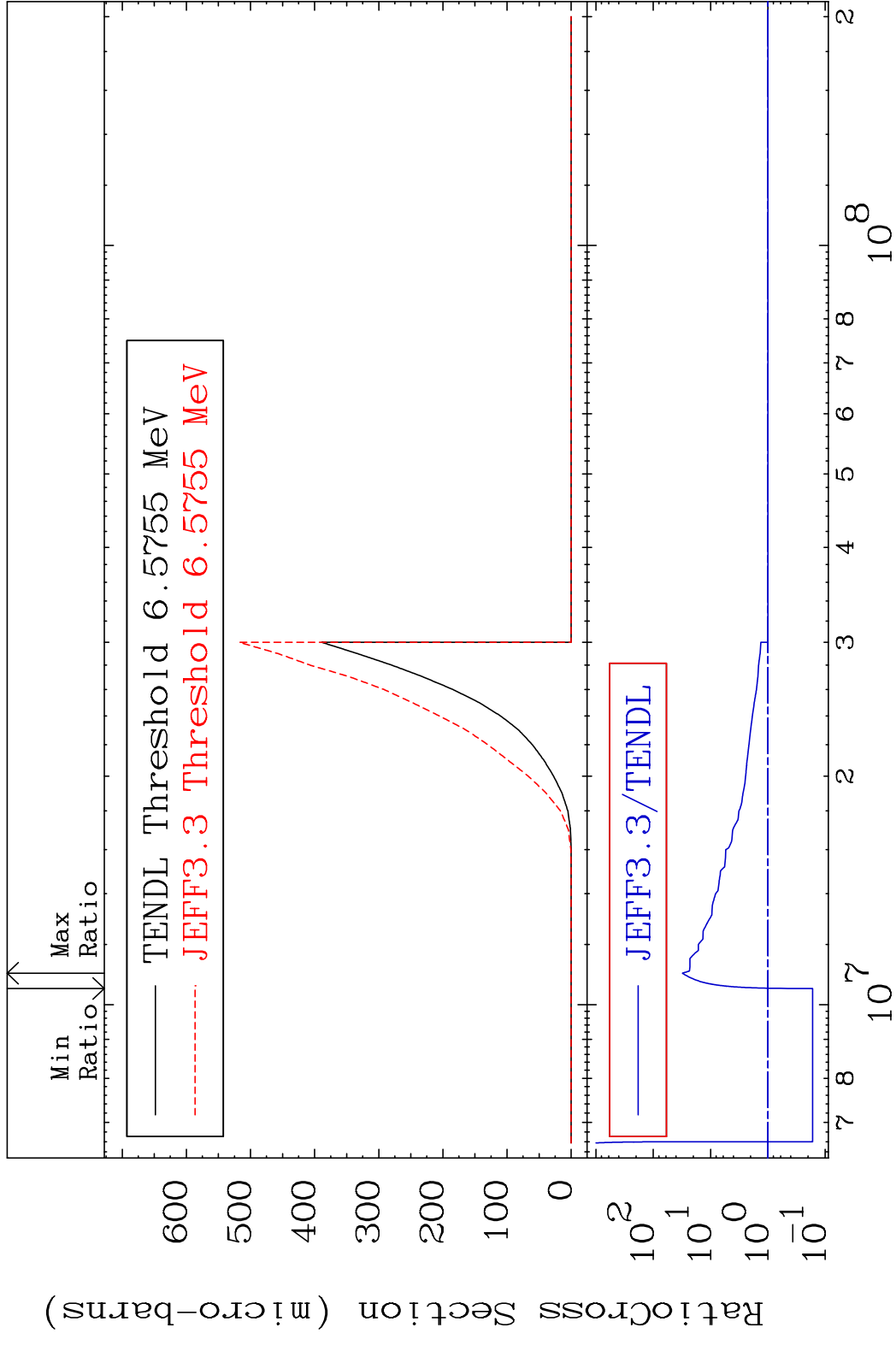


MAT 3313

(n,d) α

33-As-71

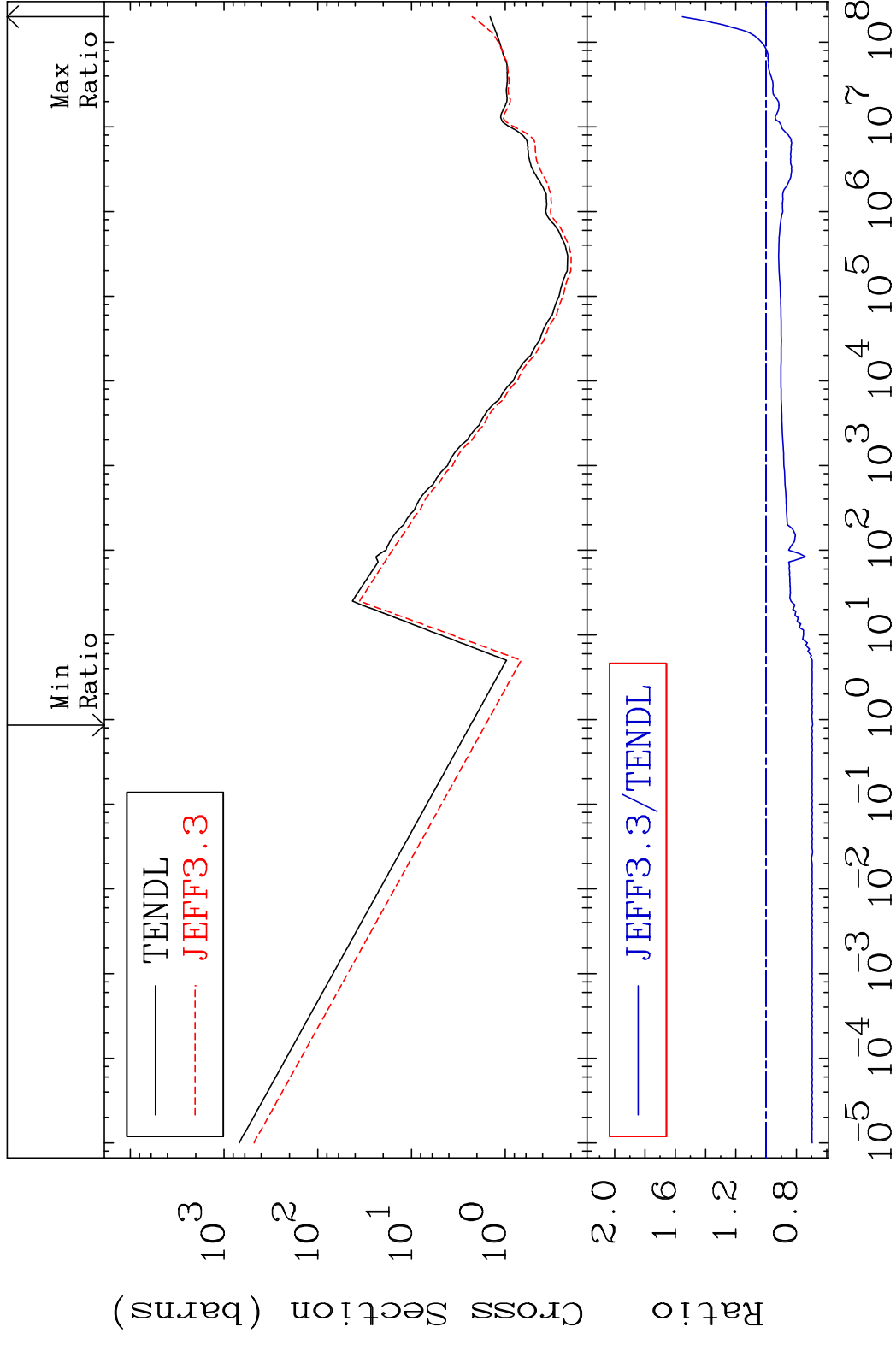
Cross Section -83.36 To 3008. %



MAT 3313

Hydrogen Production
Cross Section -30.67 To 55.32 %

33-As-71



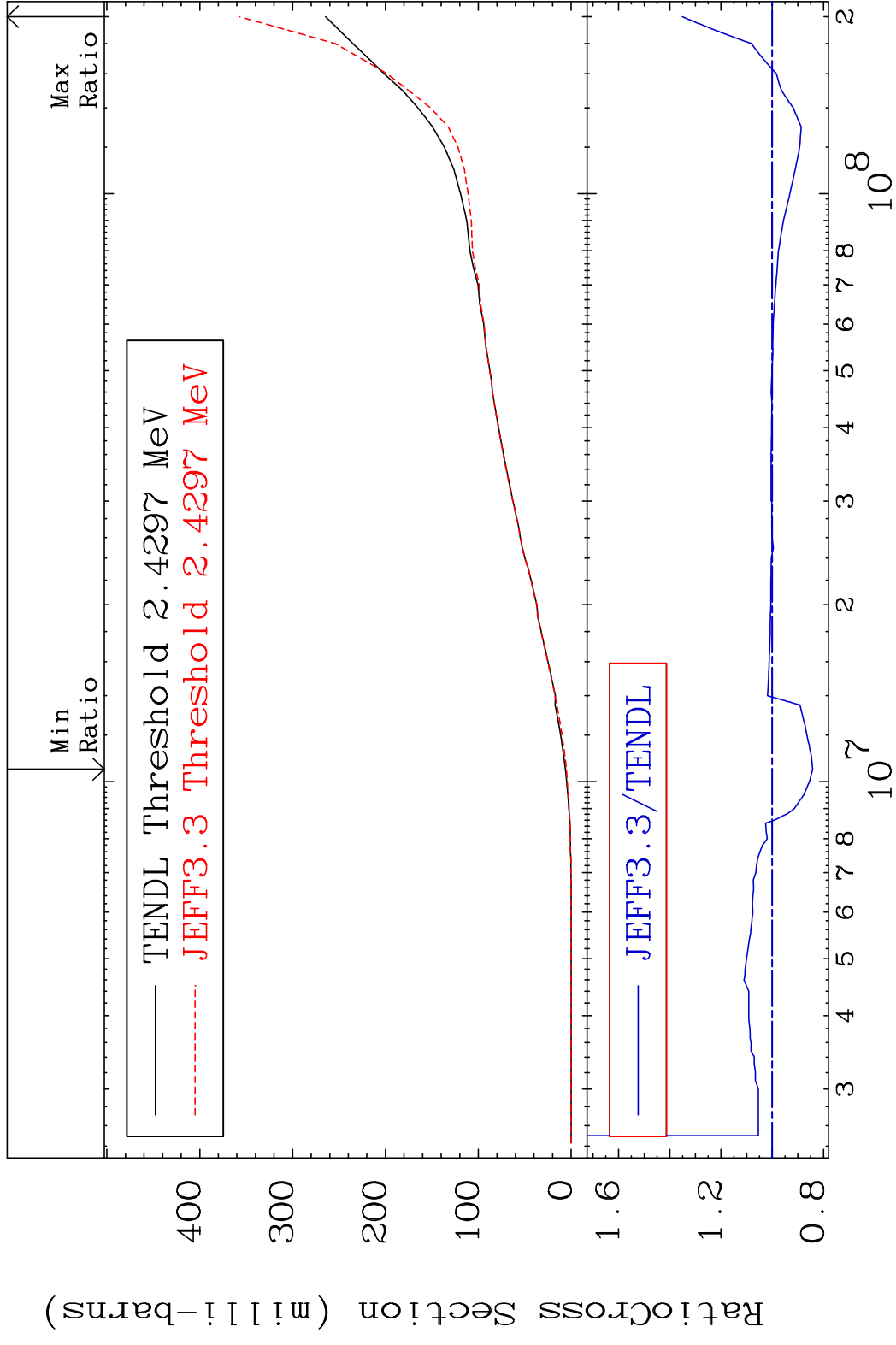
64

Incident Energy (eV)

33-As-71

MAT 3313

Deuterium Production 33-As-71
Cross Section -15.74 To 35.11 %



65

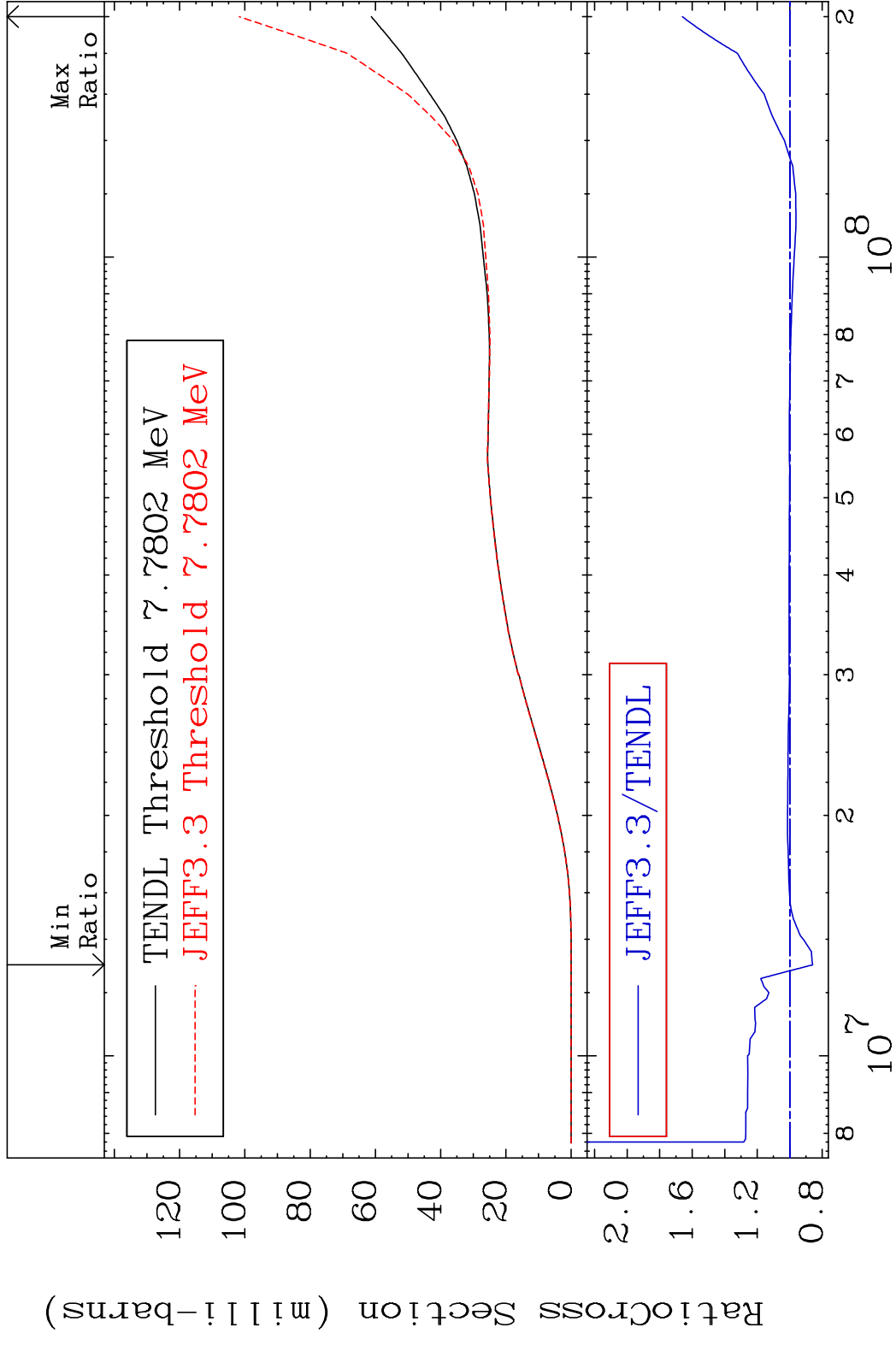
Incident Energy (eV) 33-As-71

MAT 3313

Tritium Production

33-As-71

Cross Section -14.04 To 66.06 %

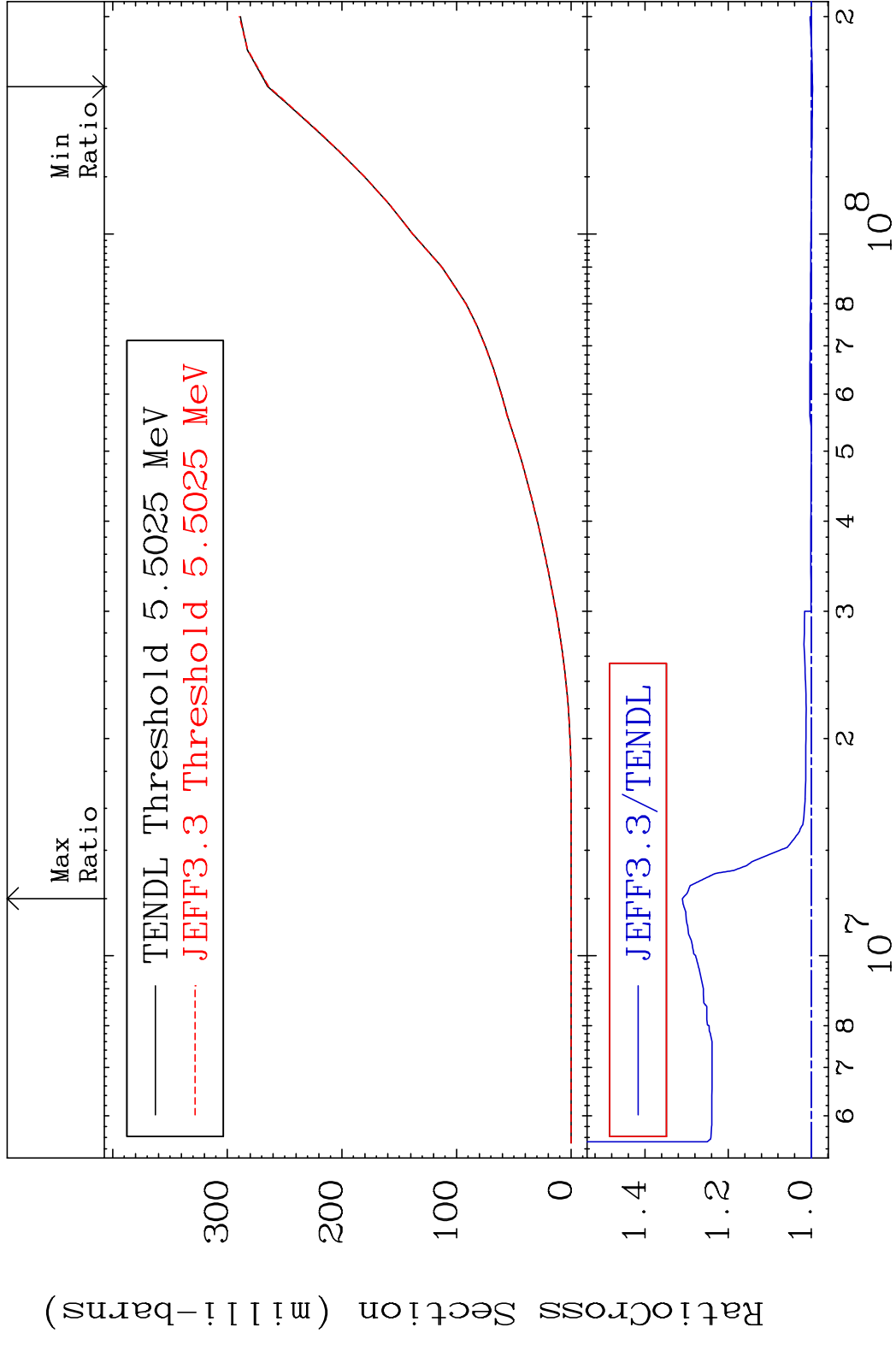


MAT 3313

He-3 Production

33-As-71

Cross Section -0.301 To 31.02 %



67

Incident Energy (eV)

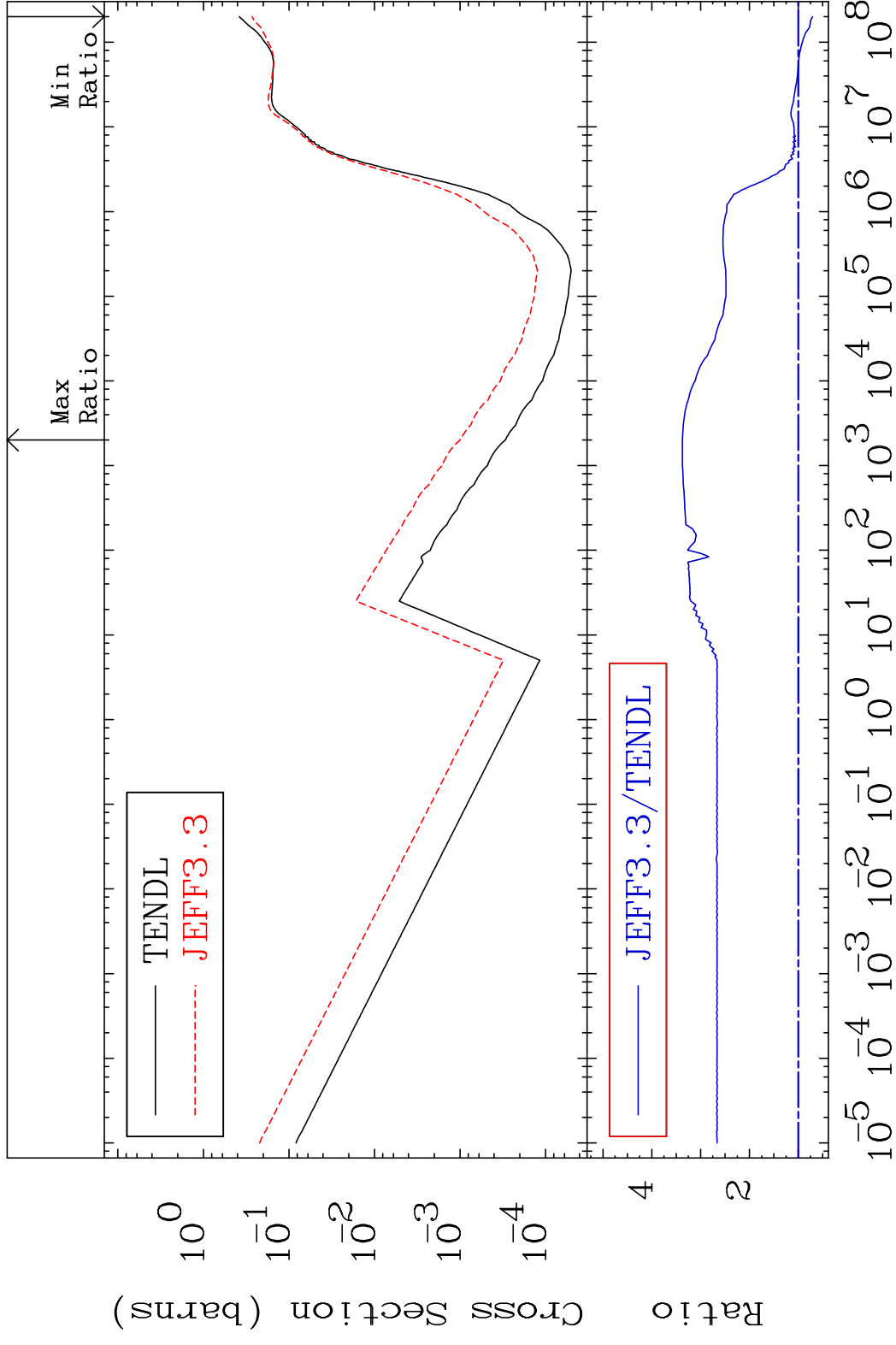
33-As-71

MAT 3313

He-4 Production

33-As-71

Cross Section -29.23 To 237.4 %

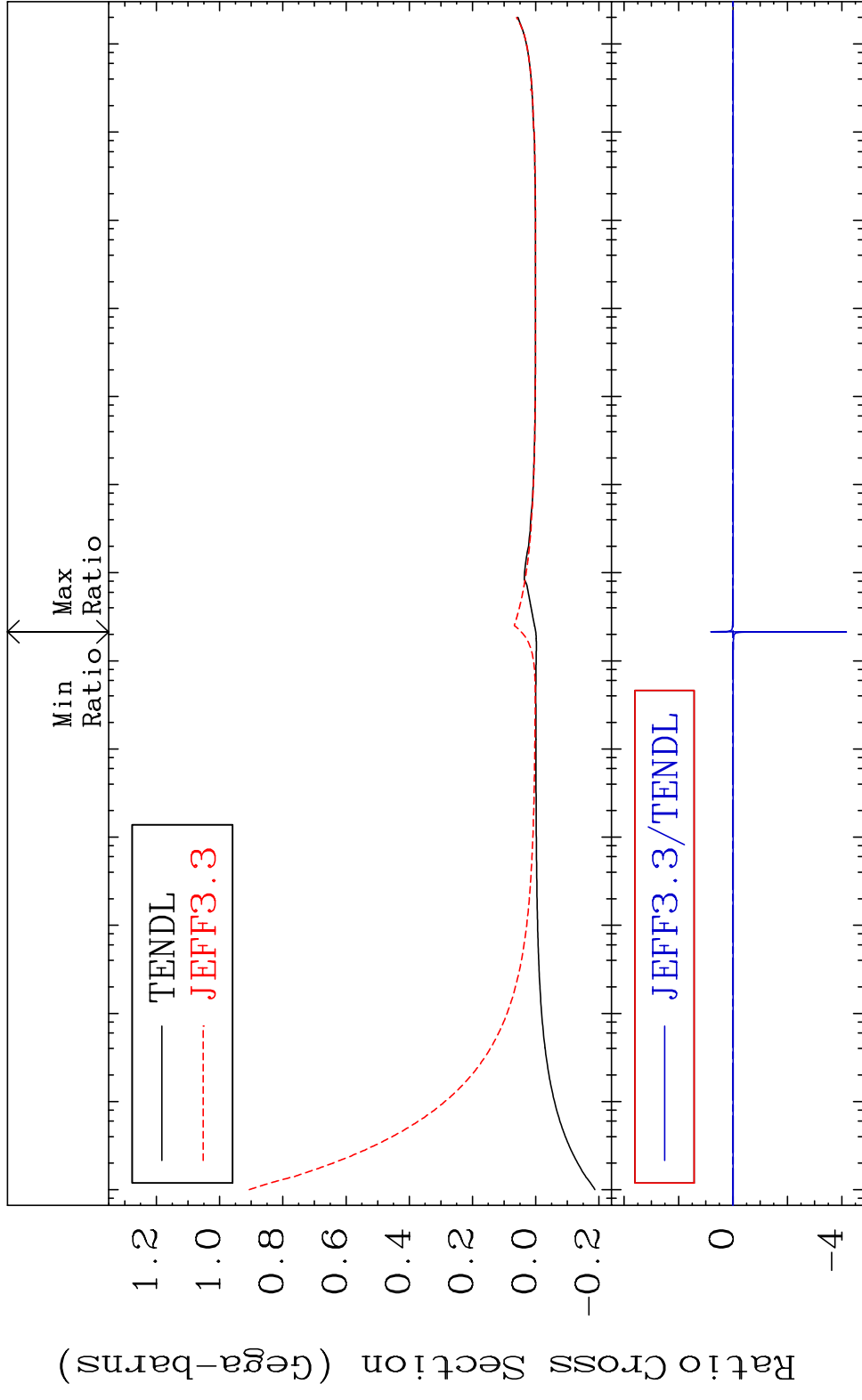


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Incident Energy (eV)

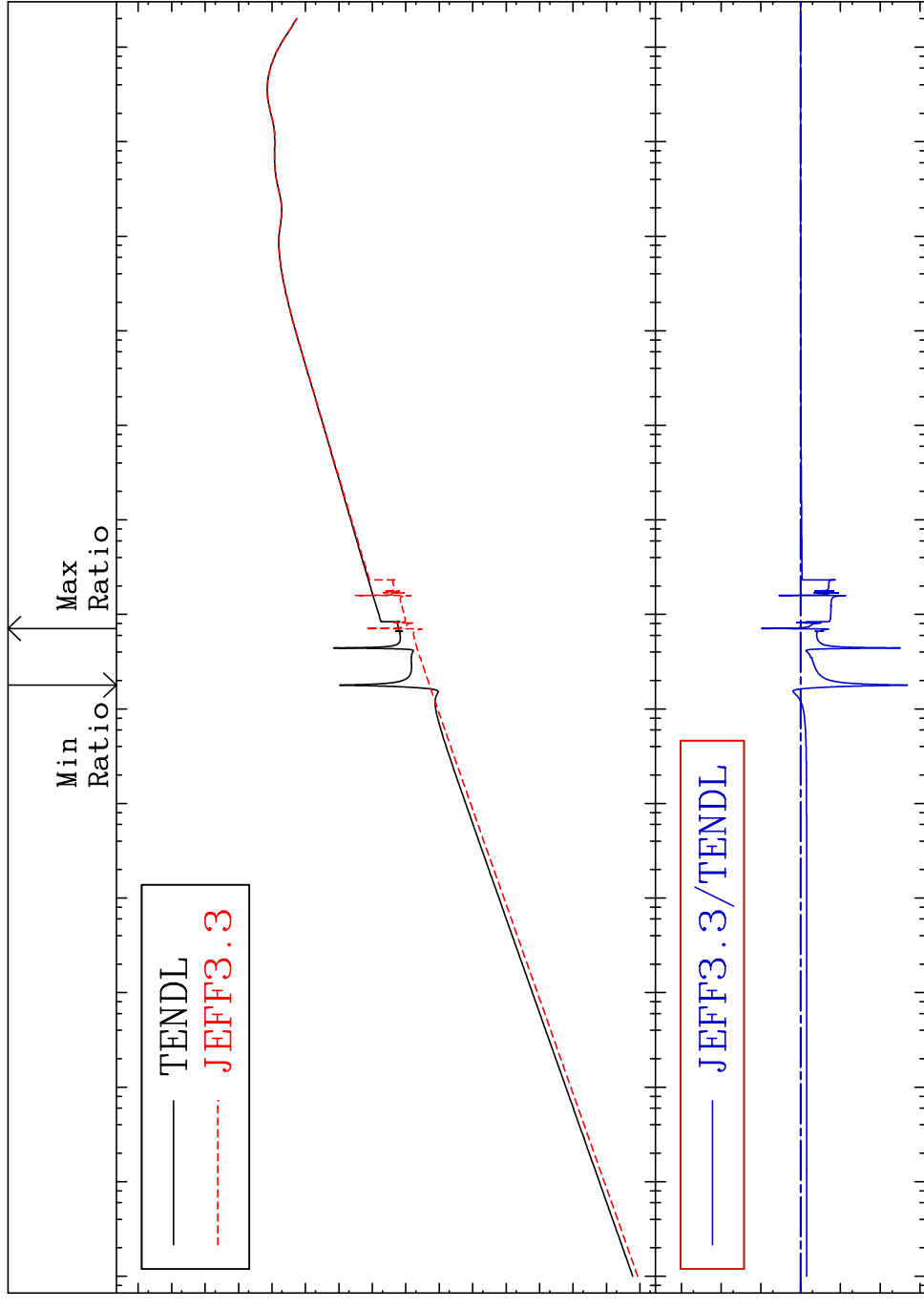
33-As-71

MAT 3313 Kerma total (eV-barns) 33-As-71
 Cross Section -9999. To 9999. %



MAT 3313

Kerma elastic Cross Section -99.79 To 849.8 %
33-As-71

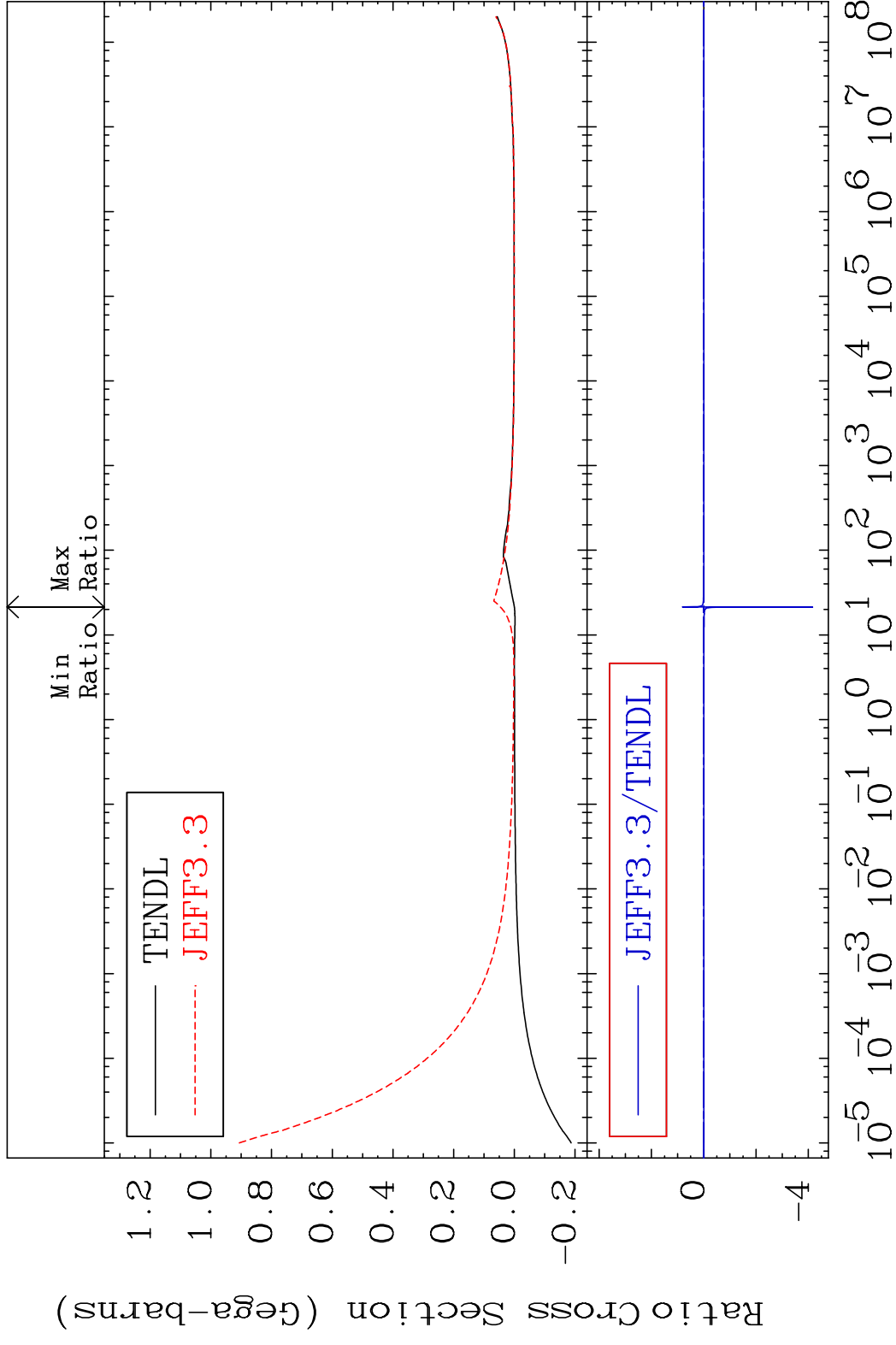


Incident Energy (eV)

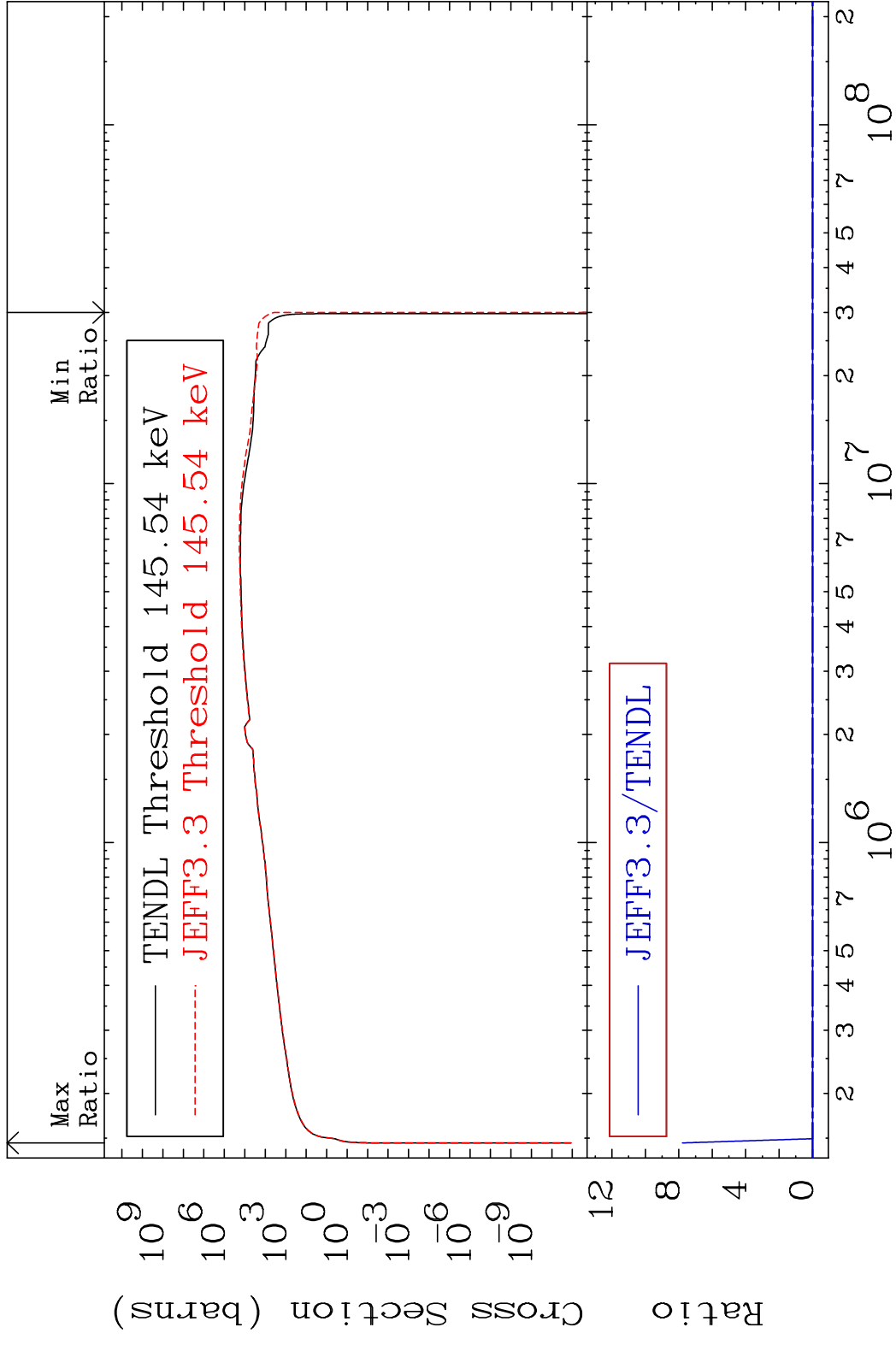
70

33-As-71

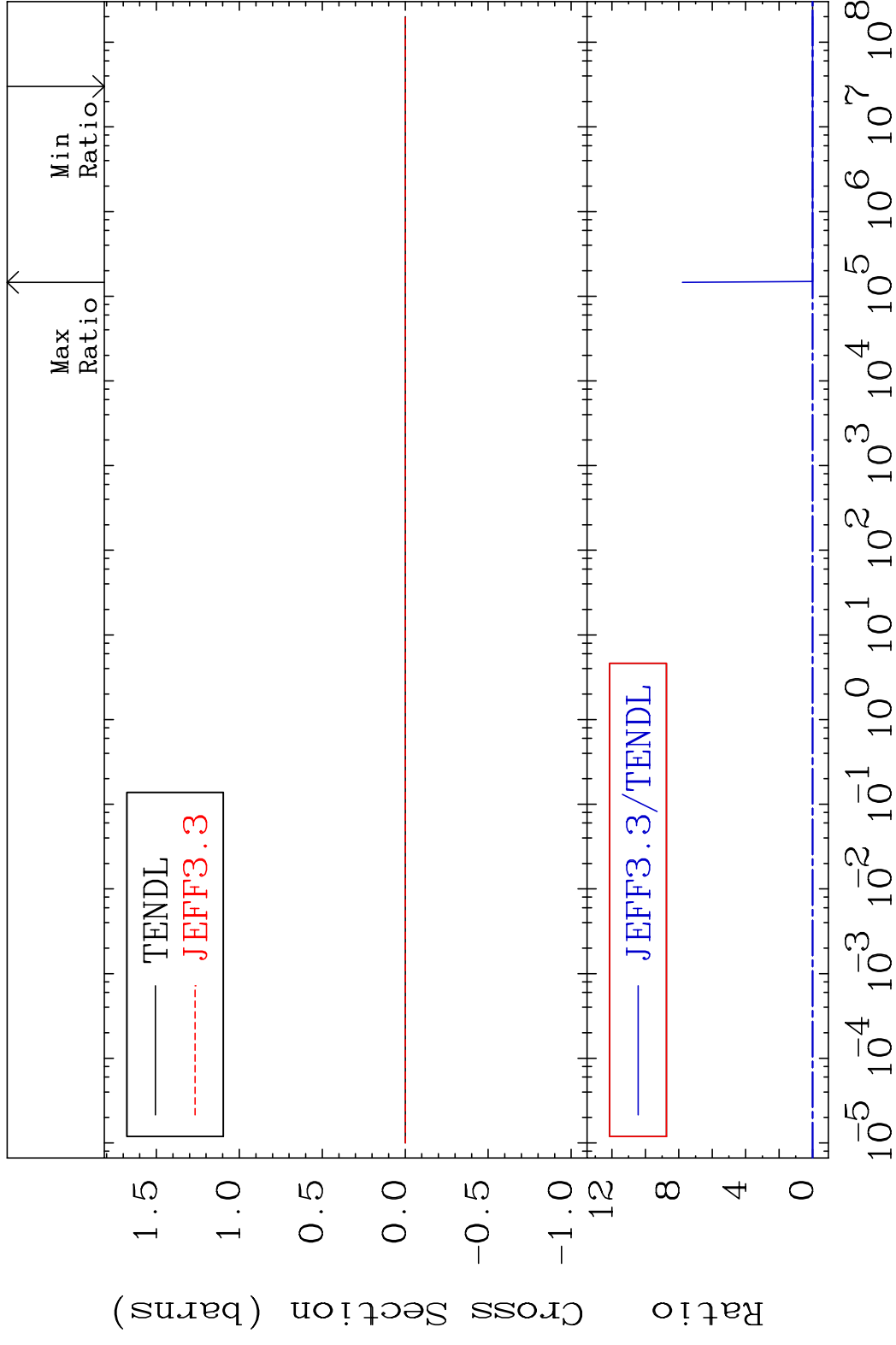
MAT 3313 Kerma non-elastic (all but mt2) 33-As-71
 Cross Section -9999. To 9999. %



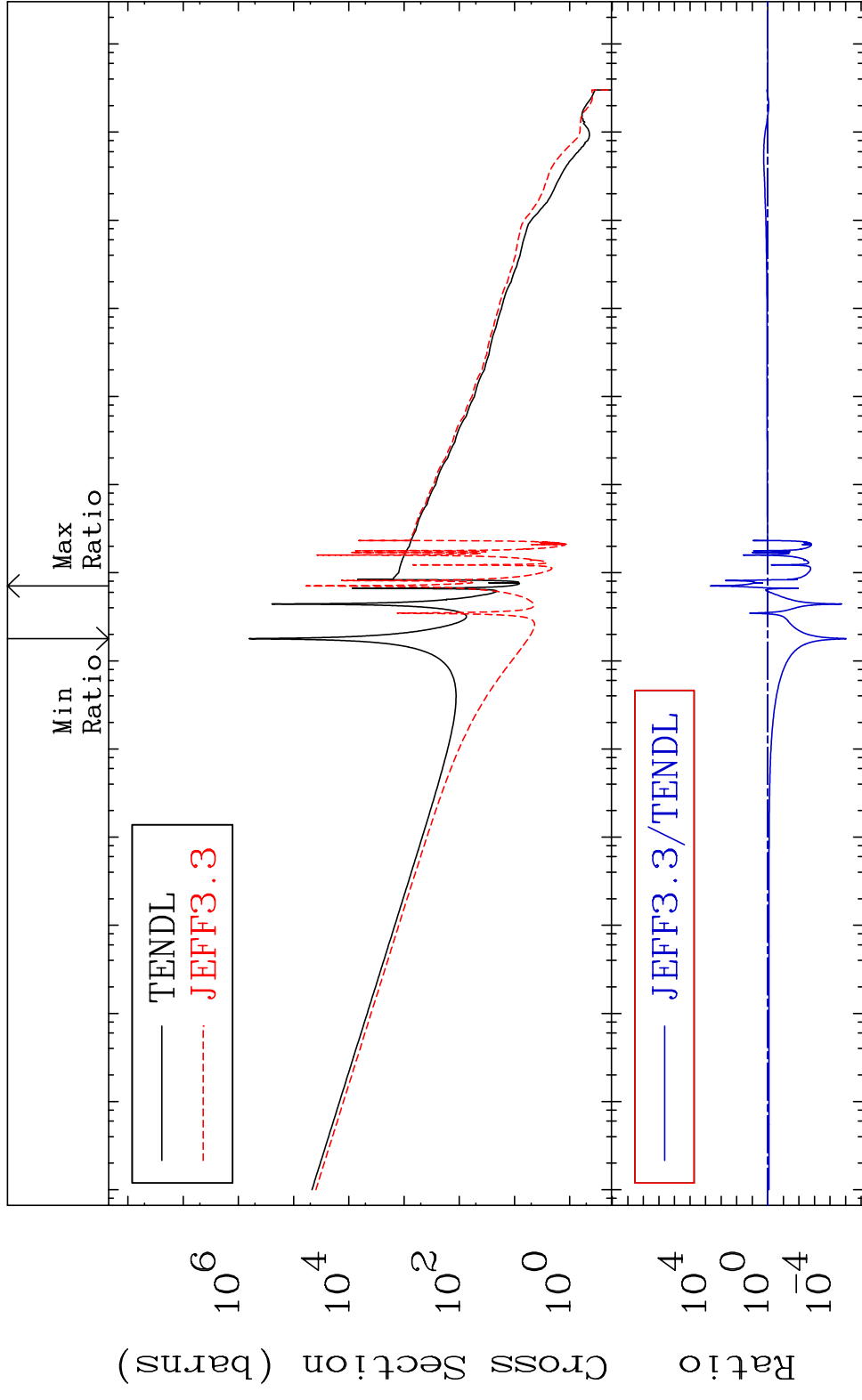
MAT 3313 Kerma inelastic (mt51-91) 33-As-71
 Cross Section -488.5 To 9999. %



MAT 3313 Kerma fission (mt18 or mt19-20-21-38) 33-As-71
 Cross Section -488.5 To 9999. %

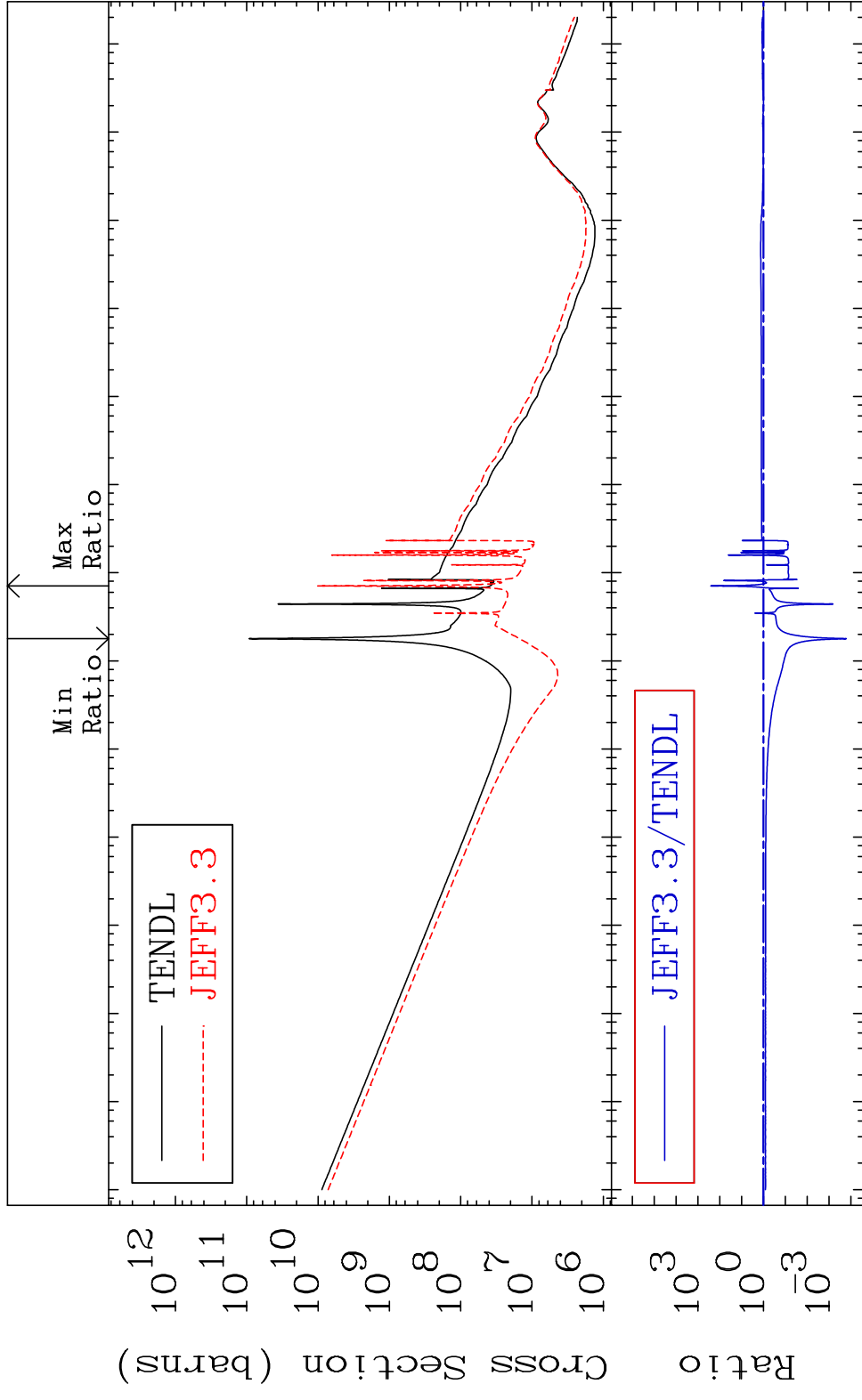


MAT 3313 Kerma capture (mt102) 33-As-71
 Cross Section -100.0 To 9999. %



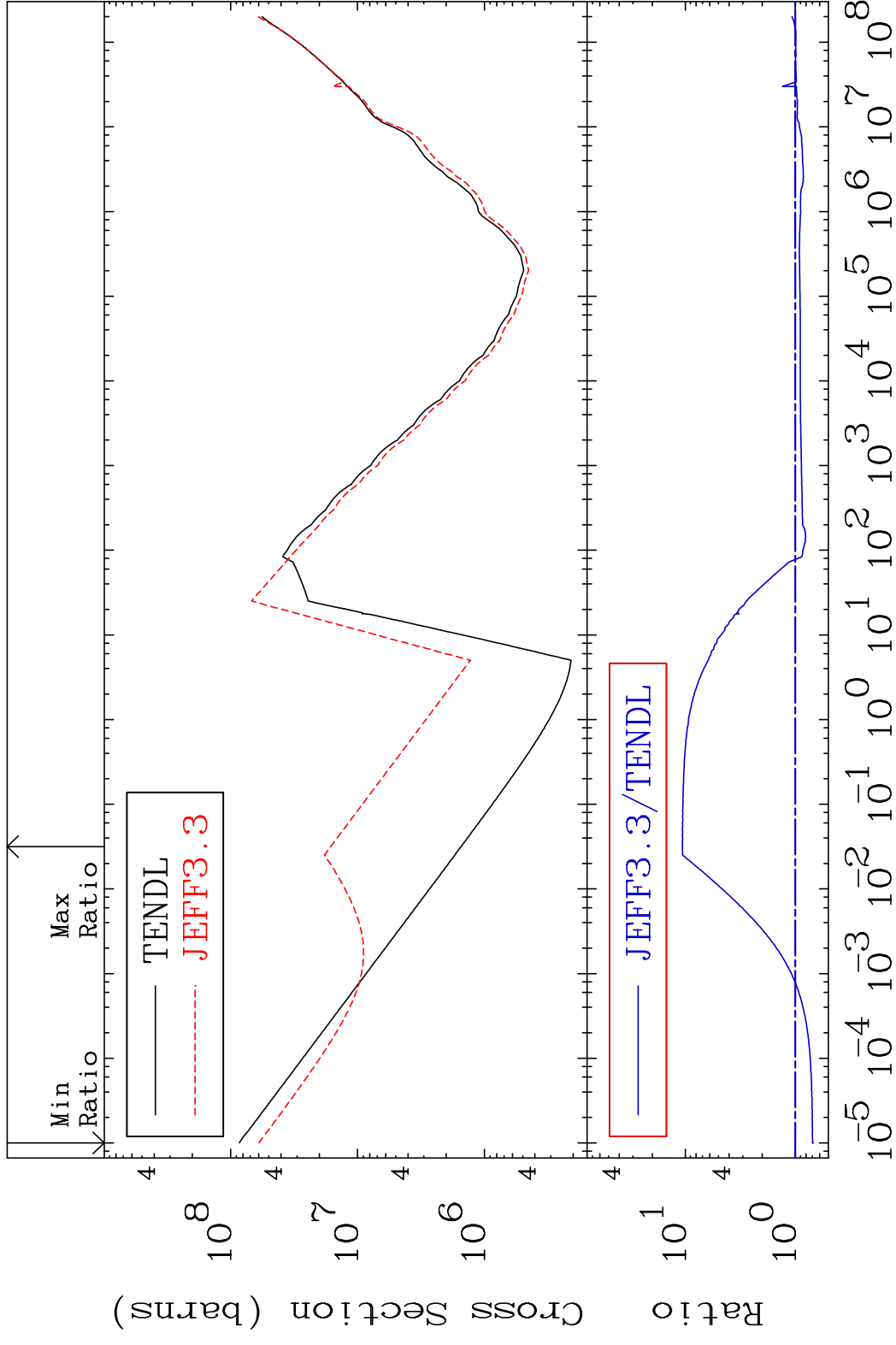
74 Incident Energy (eV) 33-As-71

MAT 3313 Total photon (eV-barns) 33-As-71
 Cross Section -99.98 To 9999. %

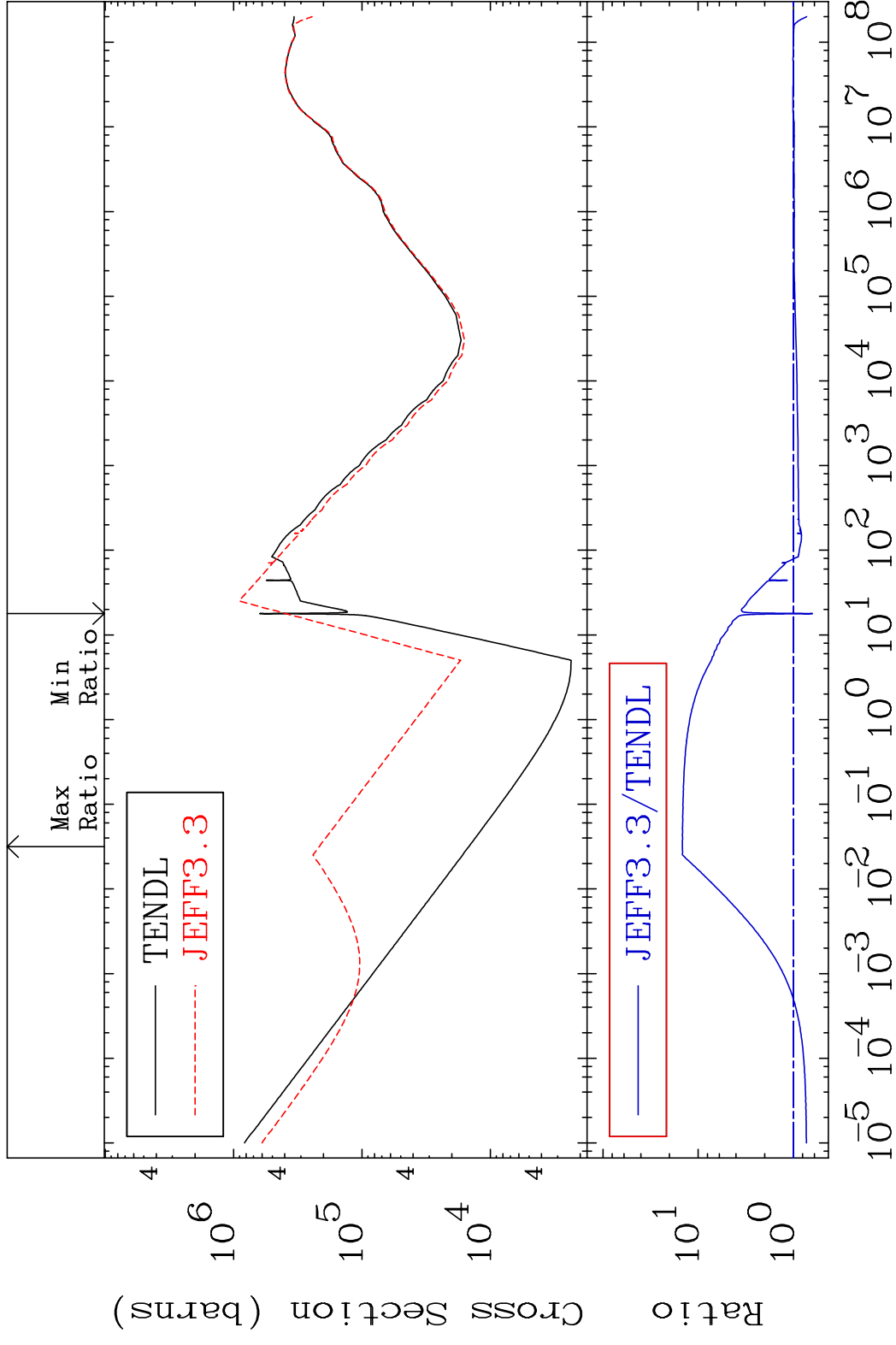


75 Incident Energy (eV) 33-As-71

MAT 3313 Total kinematic kerma (high limit) 33-As-71
 Cross Section -30.20 To 966.2 %



MAT 3313 Dpa total (eV-barns) 33-As-71
 Cross Section -37.11 To 1365. %

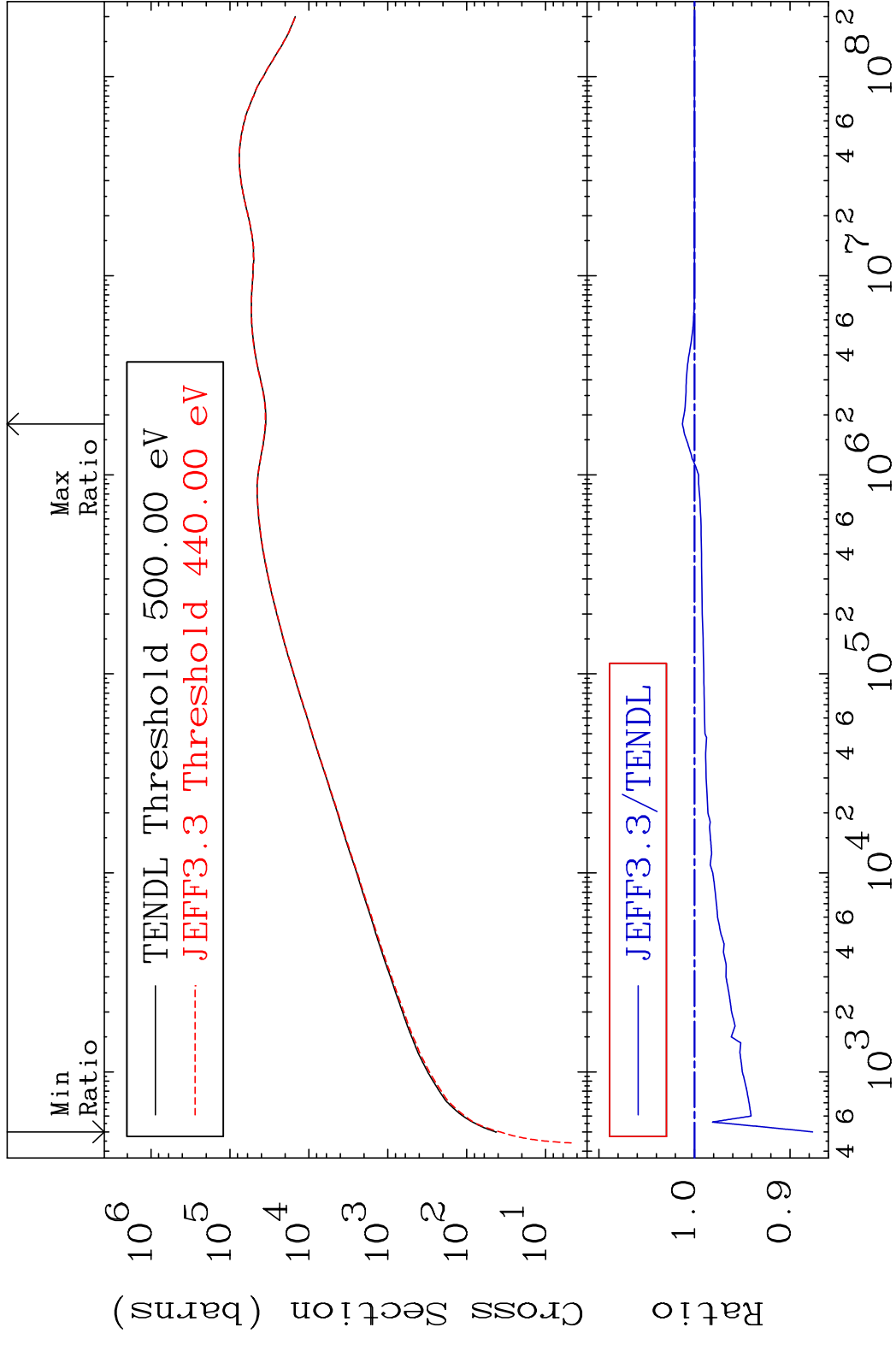


MAT 3313

Dpa elastic (mt2)

33-As-71

Cross Section -12.36 To 1.272 %

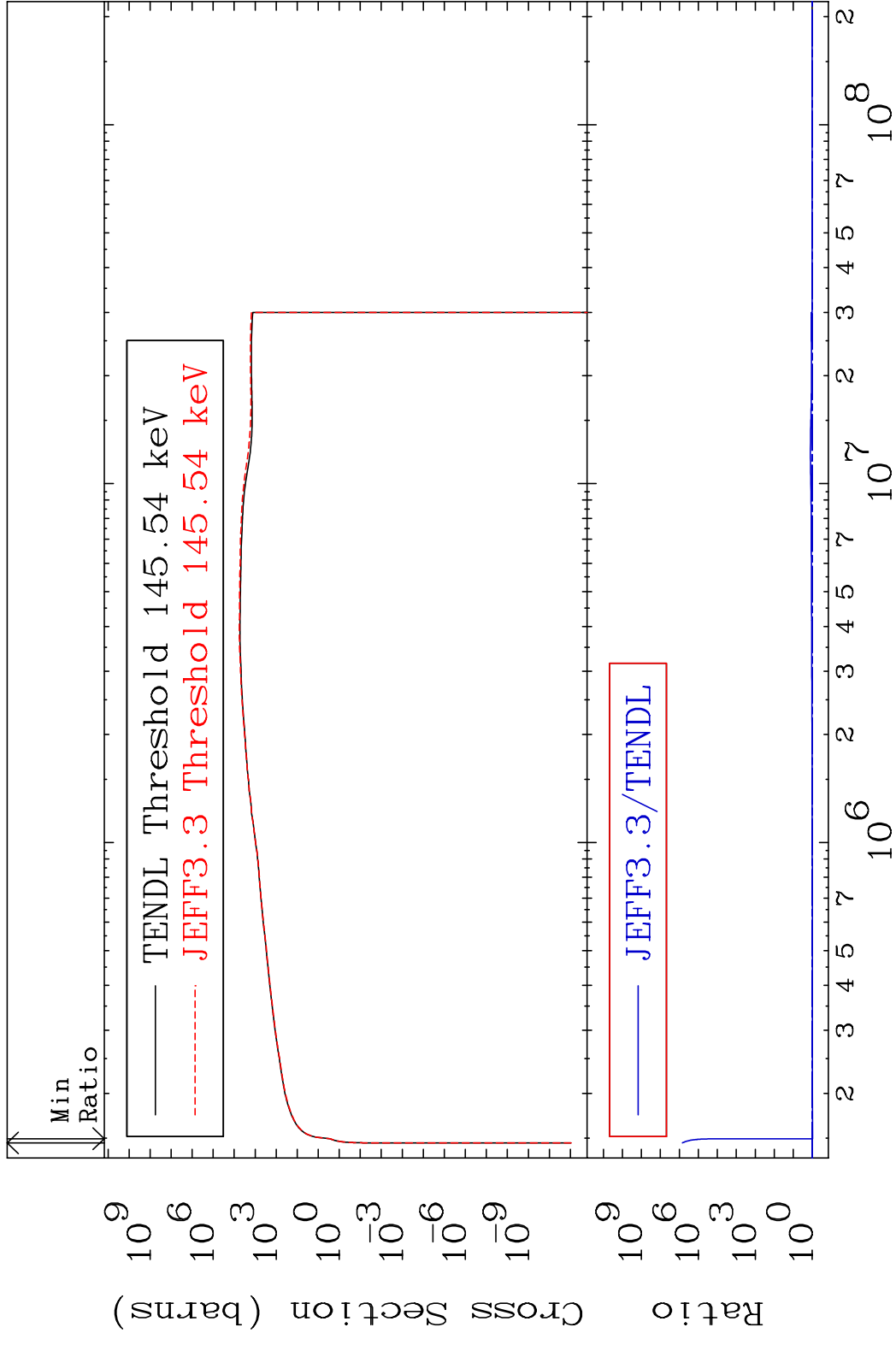


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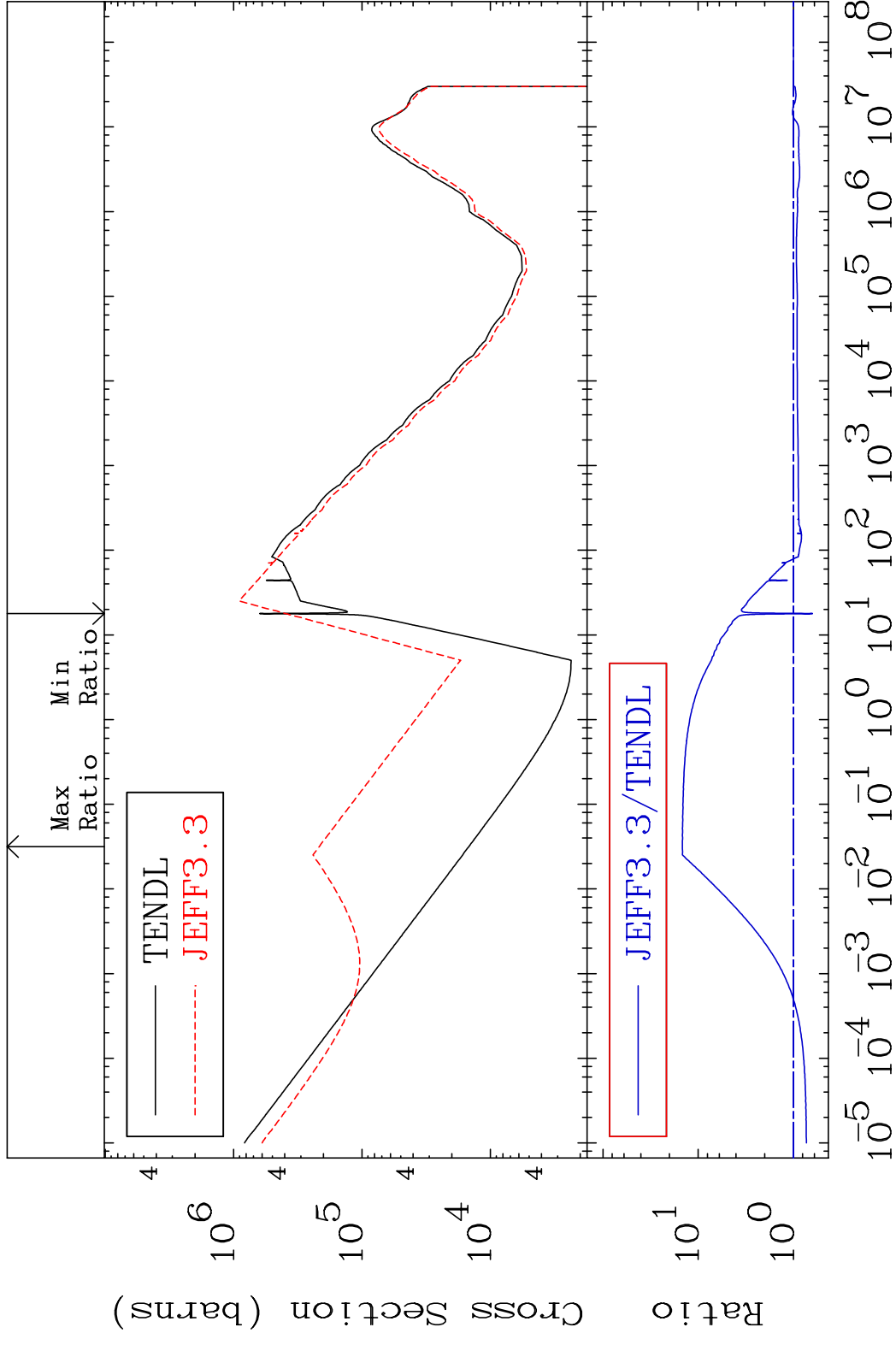
Incident Energy (eV)

33-As-71

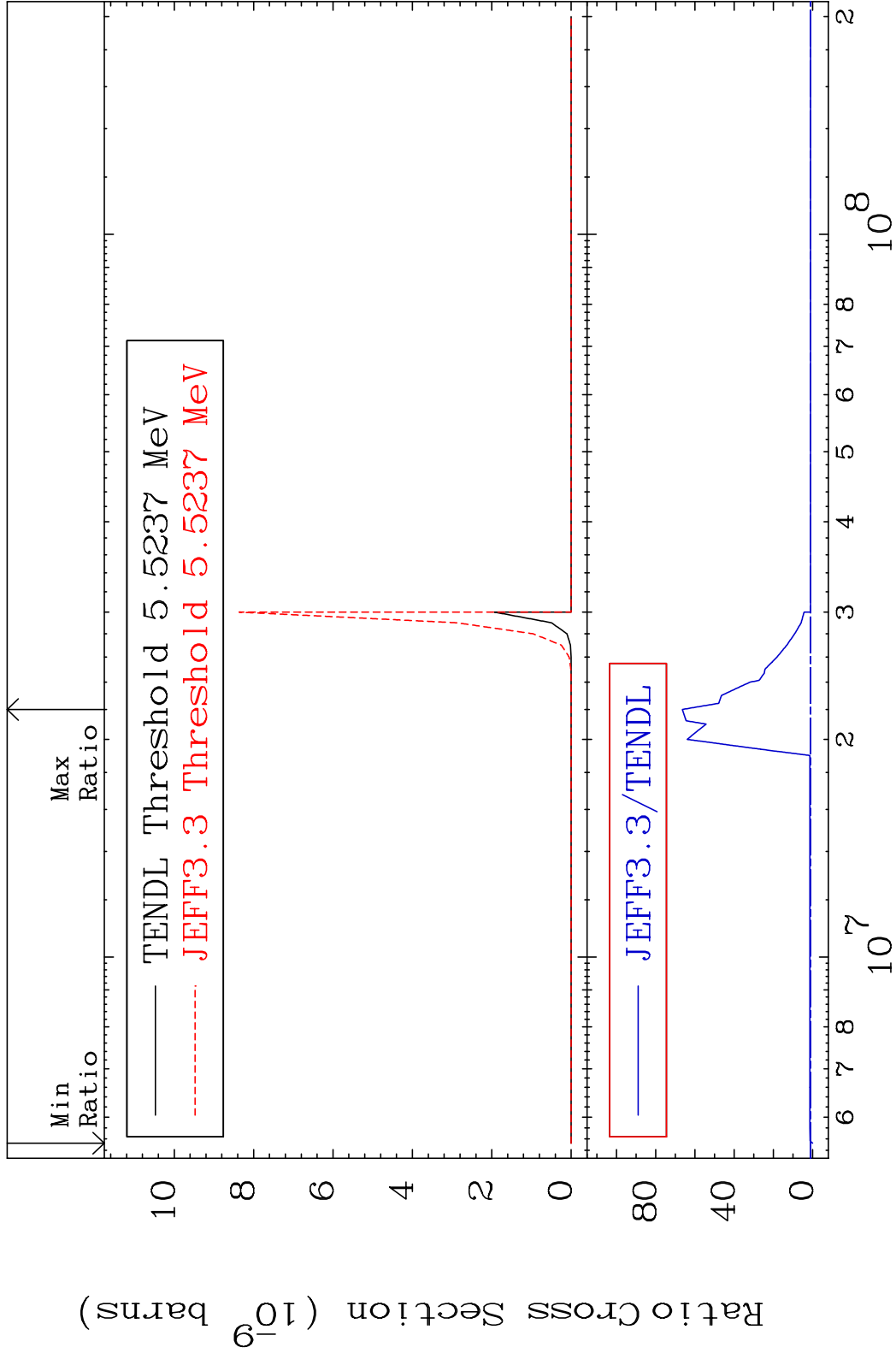
MAT 3313 Dpa inelastic (mt51-91) 33-As-71
 Cross Section -4.141 To 9999. %



MAT 3313 Dpa disappearance (mt102 -120) 33-As-71
 Cross Section -37.11 To 1365. %



MAT 3313 (n,3α):27-Co-60g 33-As-71
 Radionuclide Production Cross Section Ratio 6542. %



MAT 3313 (n, 3α) : 27-Co-60m1 33-As-71
 Radionuclide Production Cross Section Ratio 9999. %

