

Program Complot
(Version 2021-1)

by

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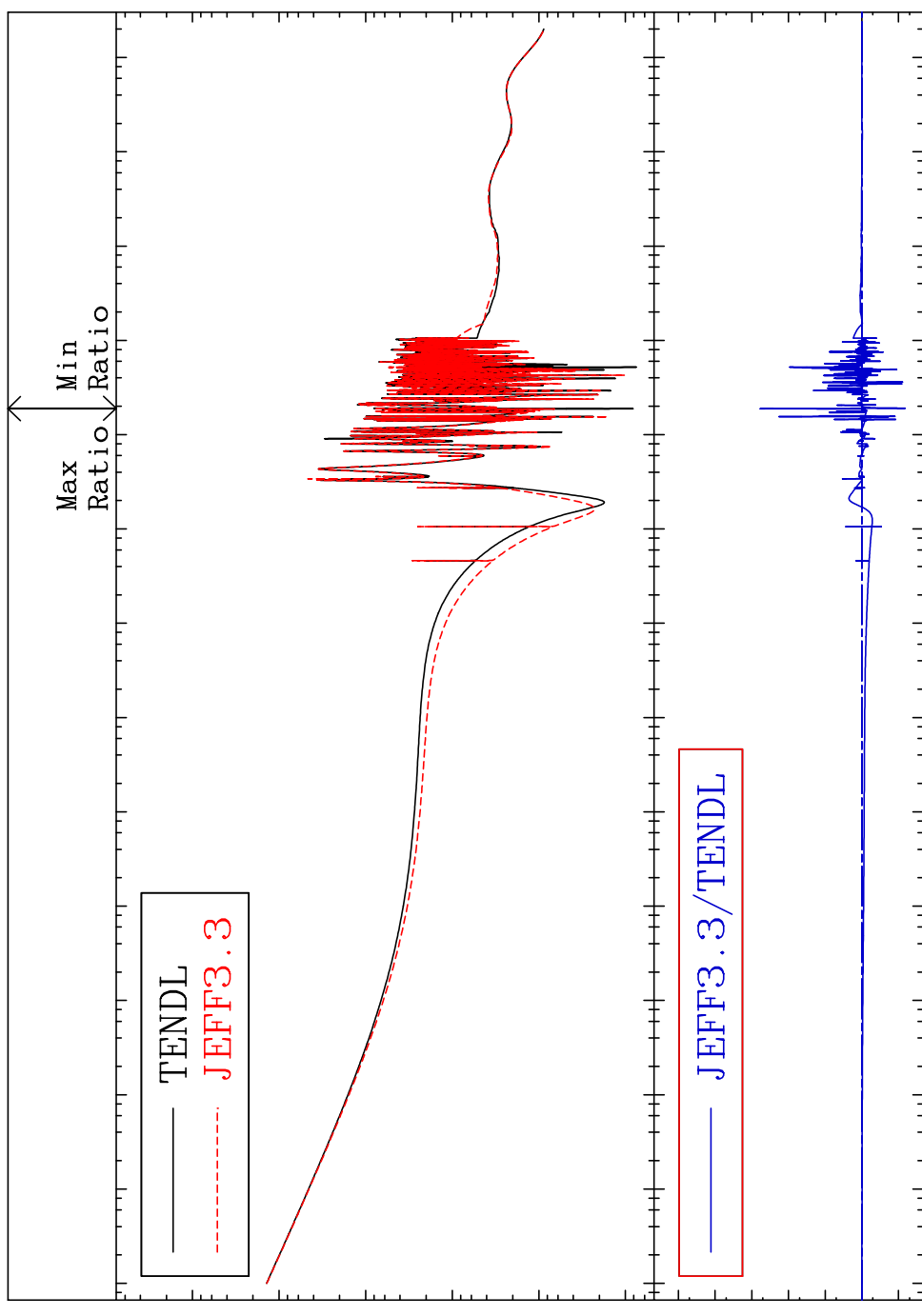
Press Mouse Button to Start

MAT 2125

Total

21-Sc-45

Cross Section -93.44 To 9999. %



1

Incident Energy (eV)

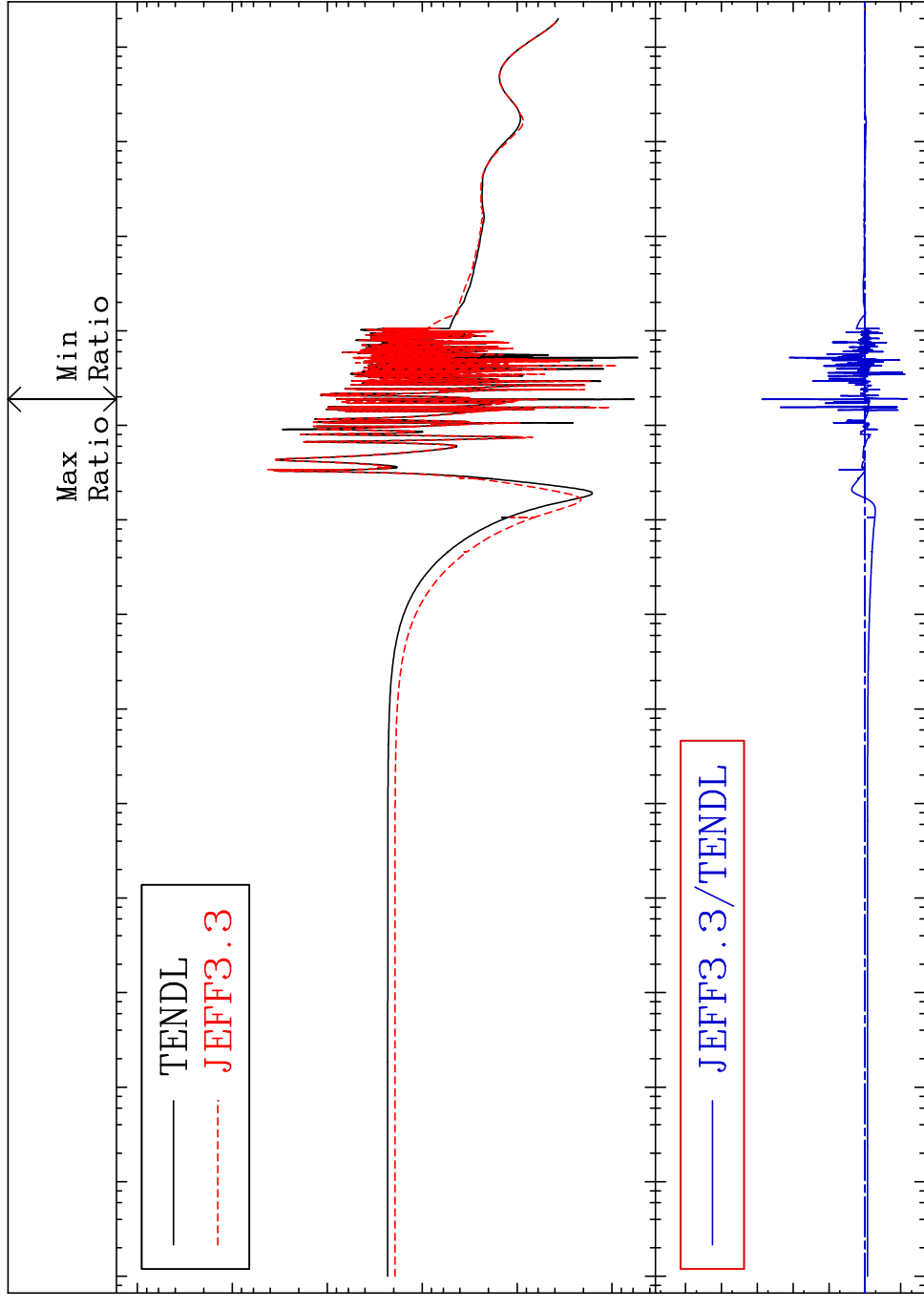
21-Sc-45

MAT 2125

Elastic

21-Sc-45

Cross Section -93.39 To 9999. %



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)

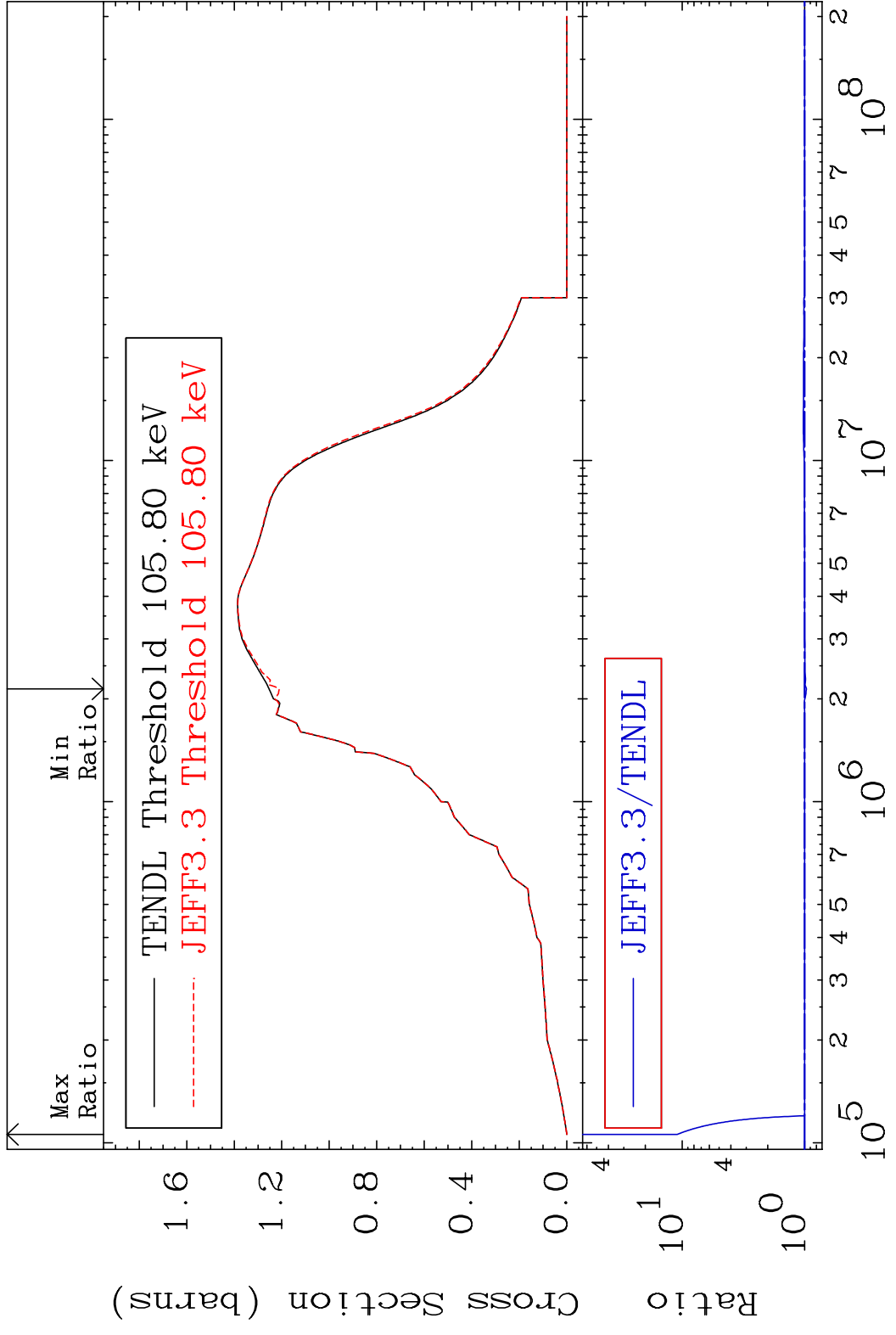
21-Sc-45

MAT 2125

Inelastic

21-Sc-45

Cross Section -3.358 To 998.1 %

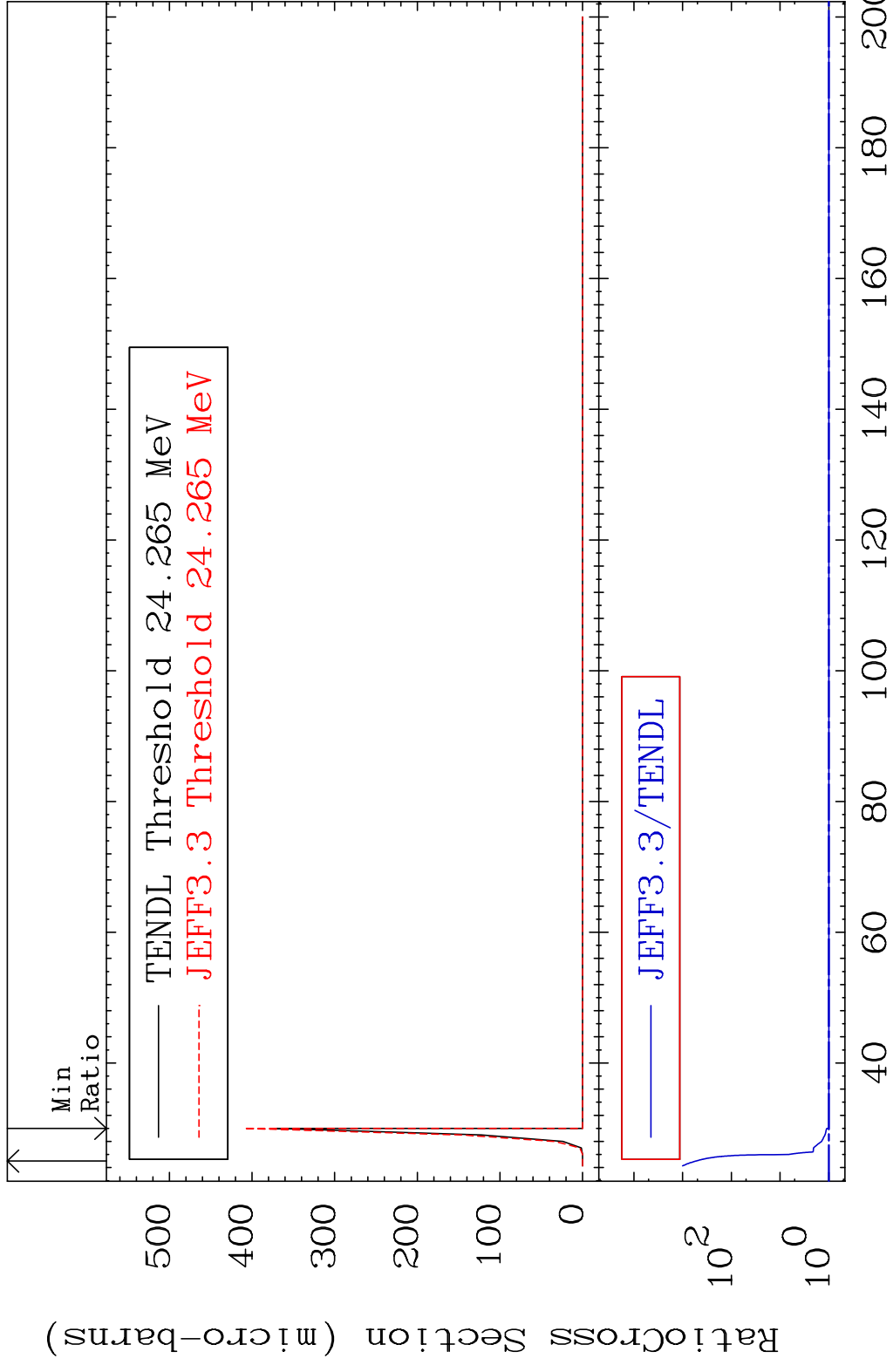


3

Incident Energy (eV)

21-Sc-45

MAT 2125 (n,2n) d 21-Sc-45
 Cross Section 0.000 To 9999. %

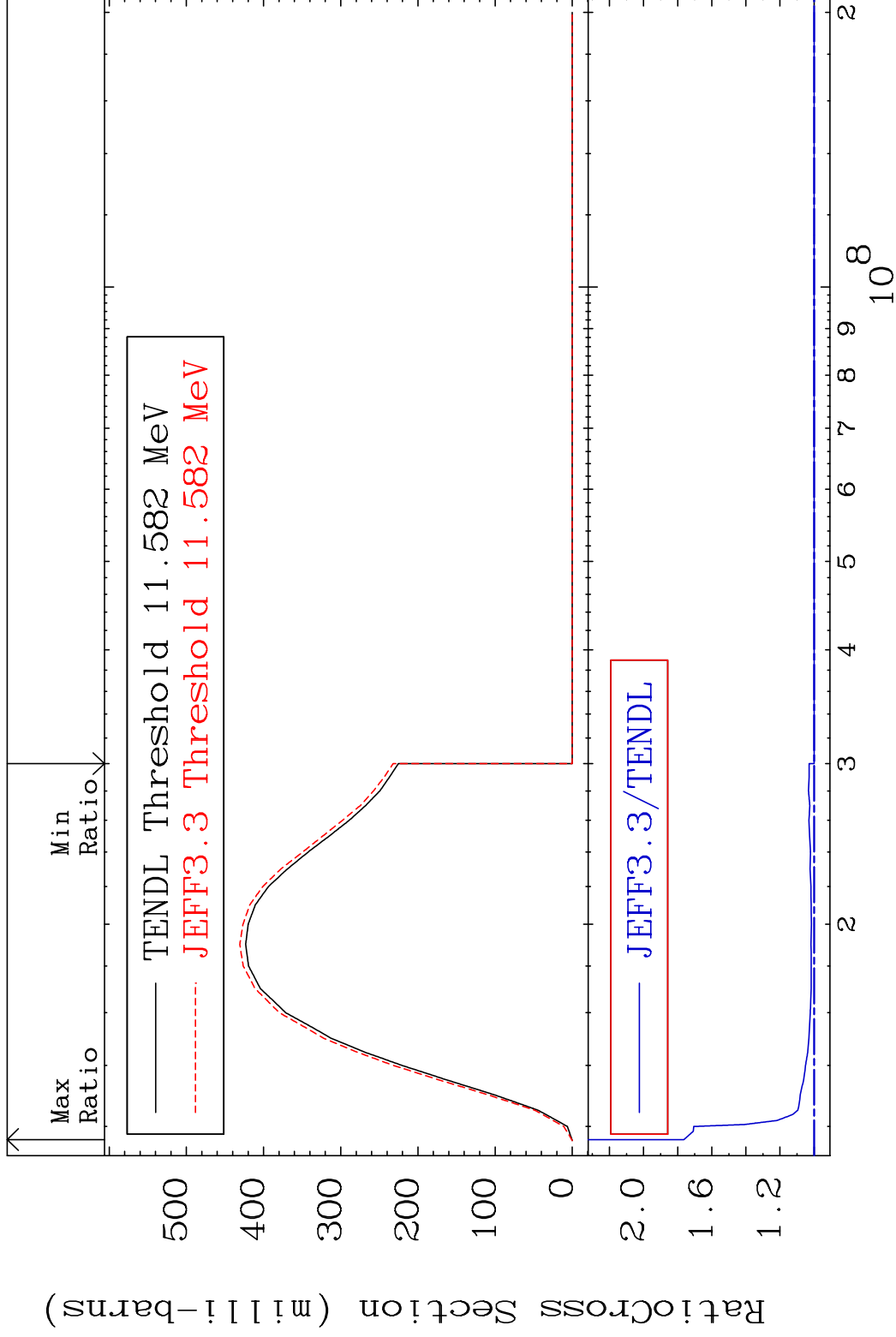


MAT 2125

(n,2n)

²¹Sc-45

Cross Section 0.000 To 76.48 %

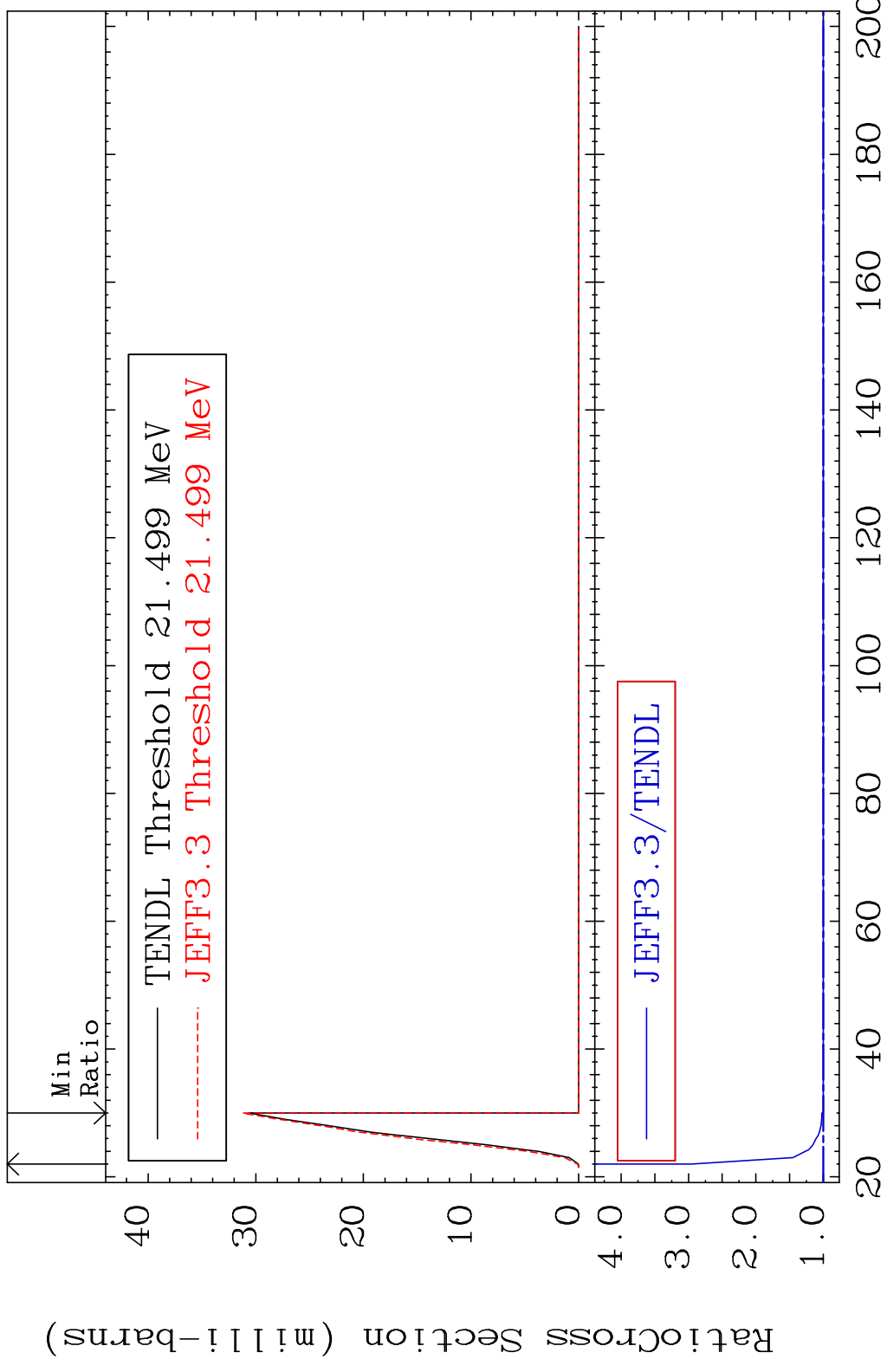


5

Incident Energy (eV)

²¹Sc-45

MAT 2125 (n,3n) 21-Sc-45
 Cross Section 0.000 To 195.8 %

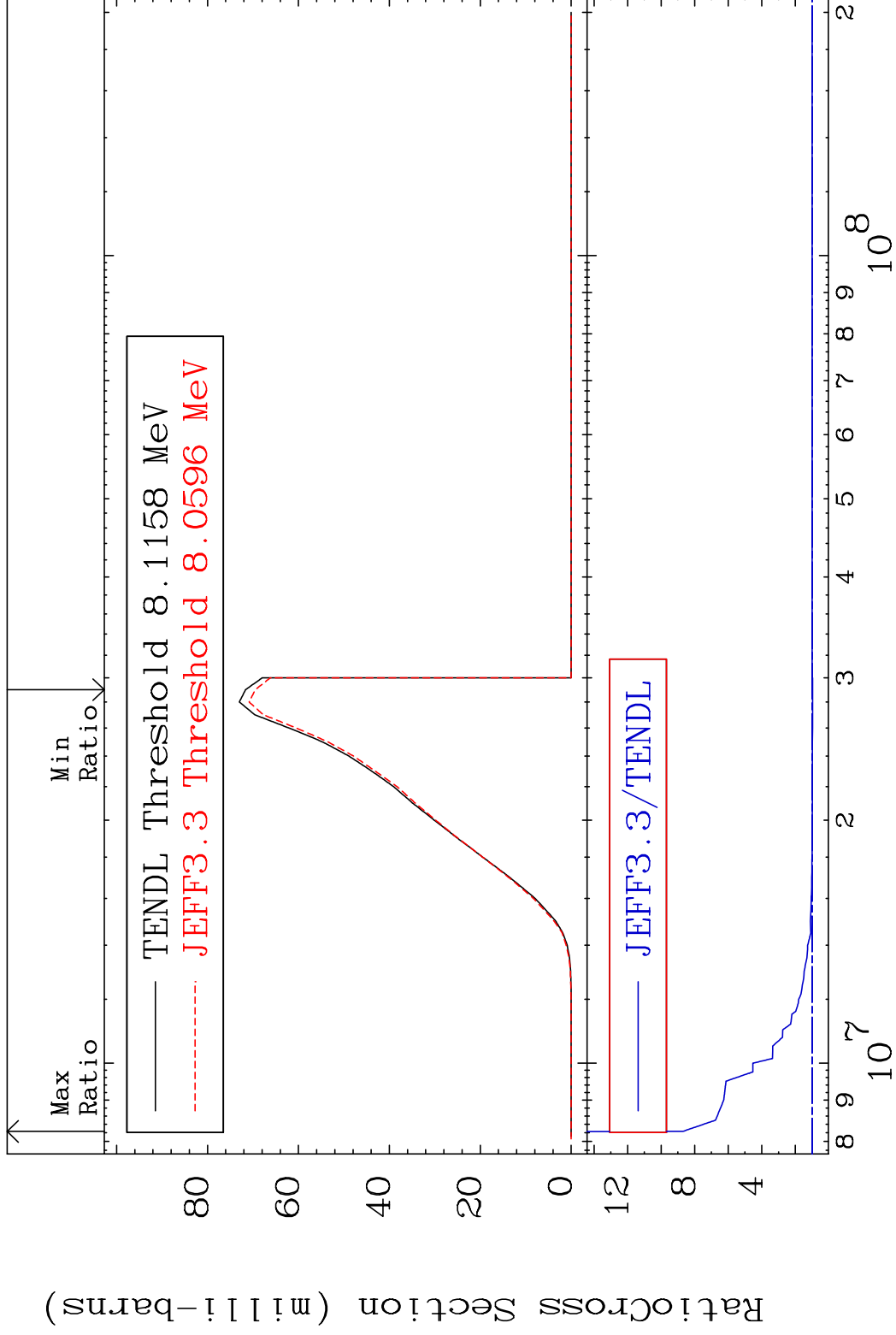


MAT 2125

(n, n') α

21-Sc-45

Cross Section -2.980 To 773.5 %

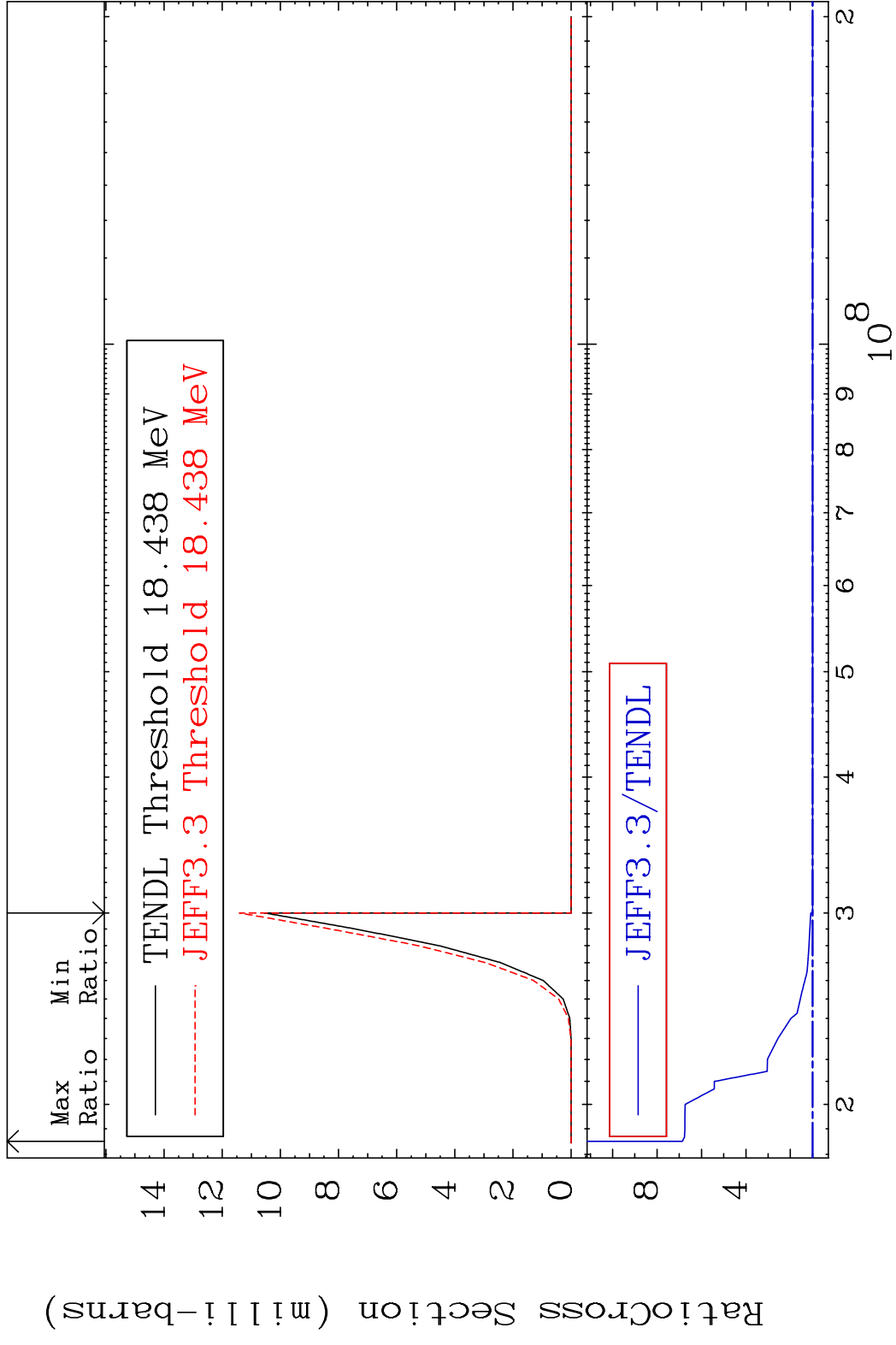


7

Incident Energy (eV)

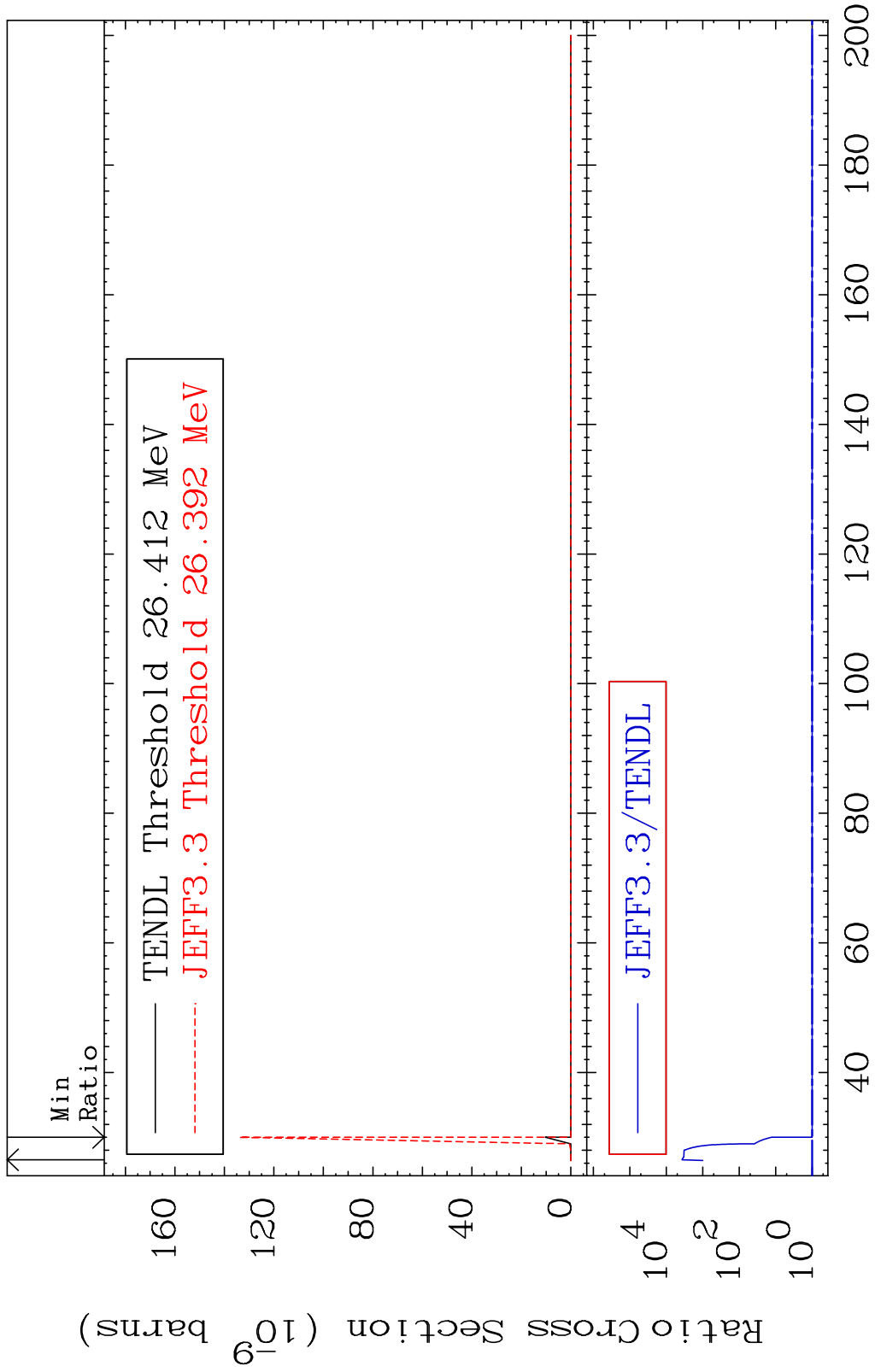
21-Sc-45

MAT 2125 (n,2n) α 21-Sc-45
 Cross Section 0.000 To 586.1 %



8 21-Sc-45

MAT 2125 (n,3n) α 21-Sc-45
 Cross Section 0.000 To 9999. %

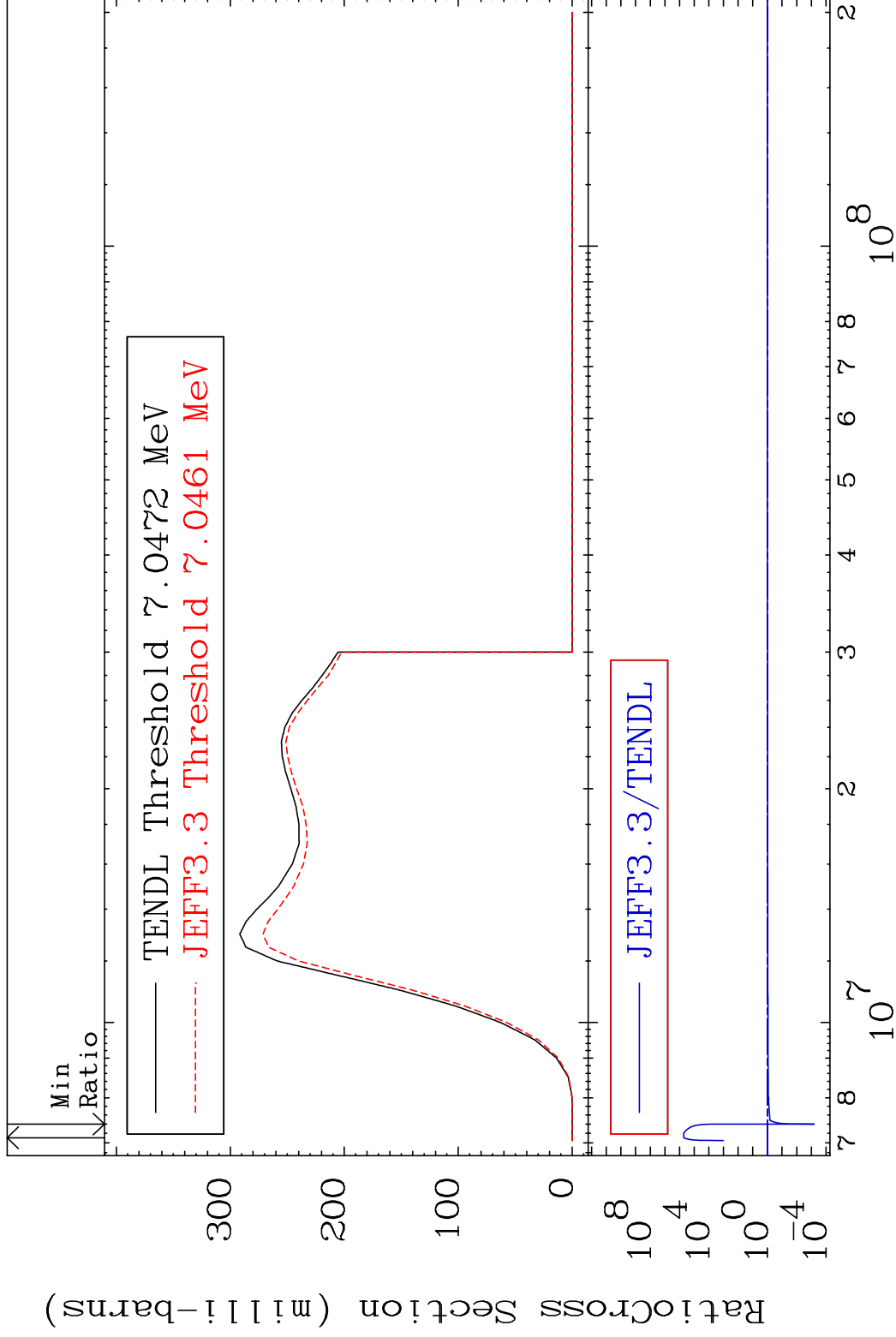


MAT 2125

(n, n') p

21-Sc-45

Cross Section -99.94 To 9999. %

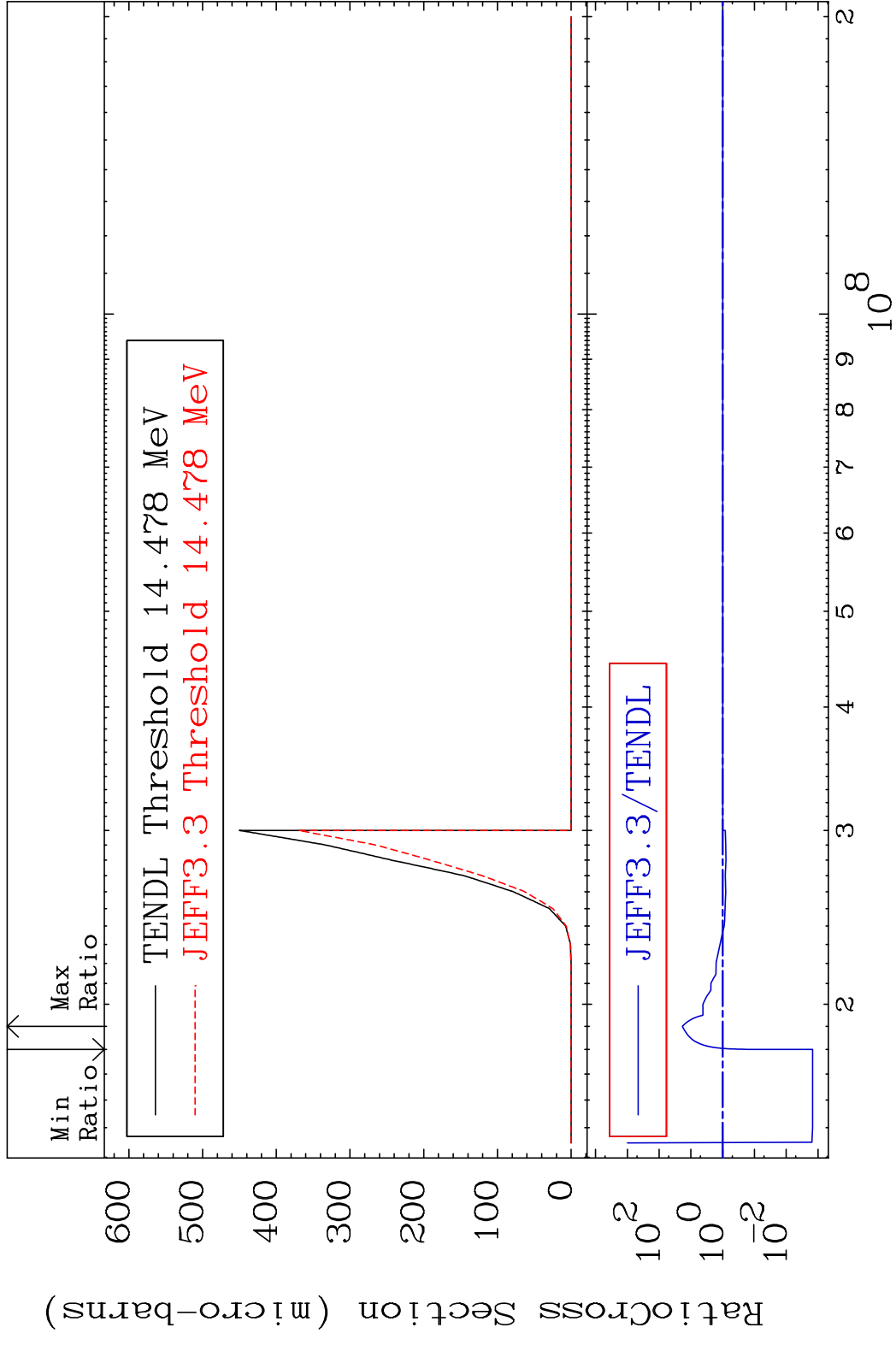


10

Incident Energy (eV)

21-Sc-45

MAT 2125 (n, n') 2α 21-Sc-45
 Cross Section -99.85 To 1756. %



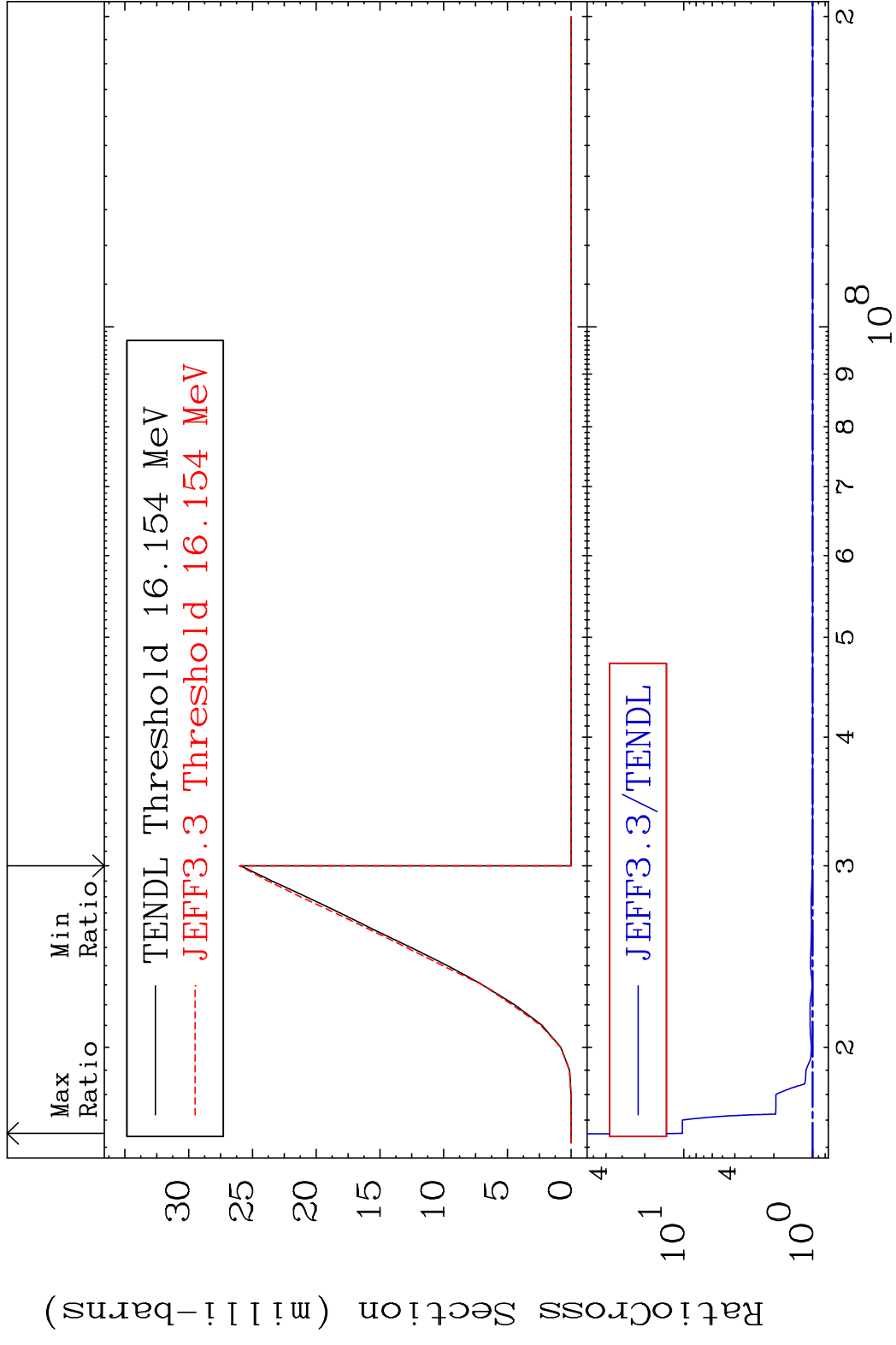
MAT 2125

(n, n') d

21-Sc-45

Cross Section 0.000

To 923.5 %



12

Incident Energy (eV)

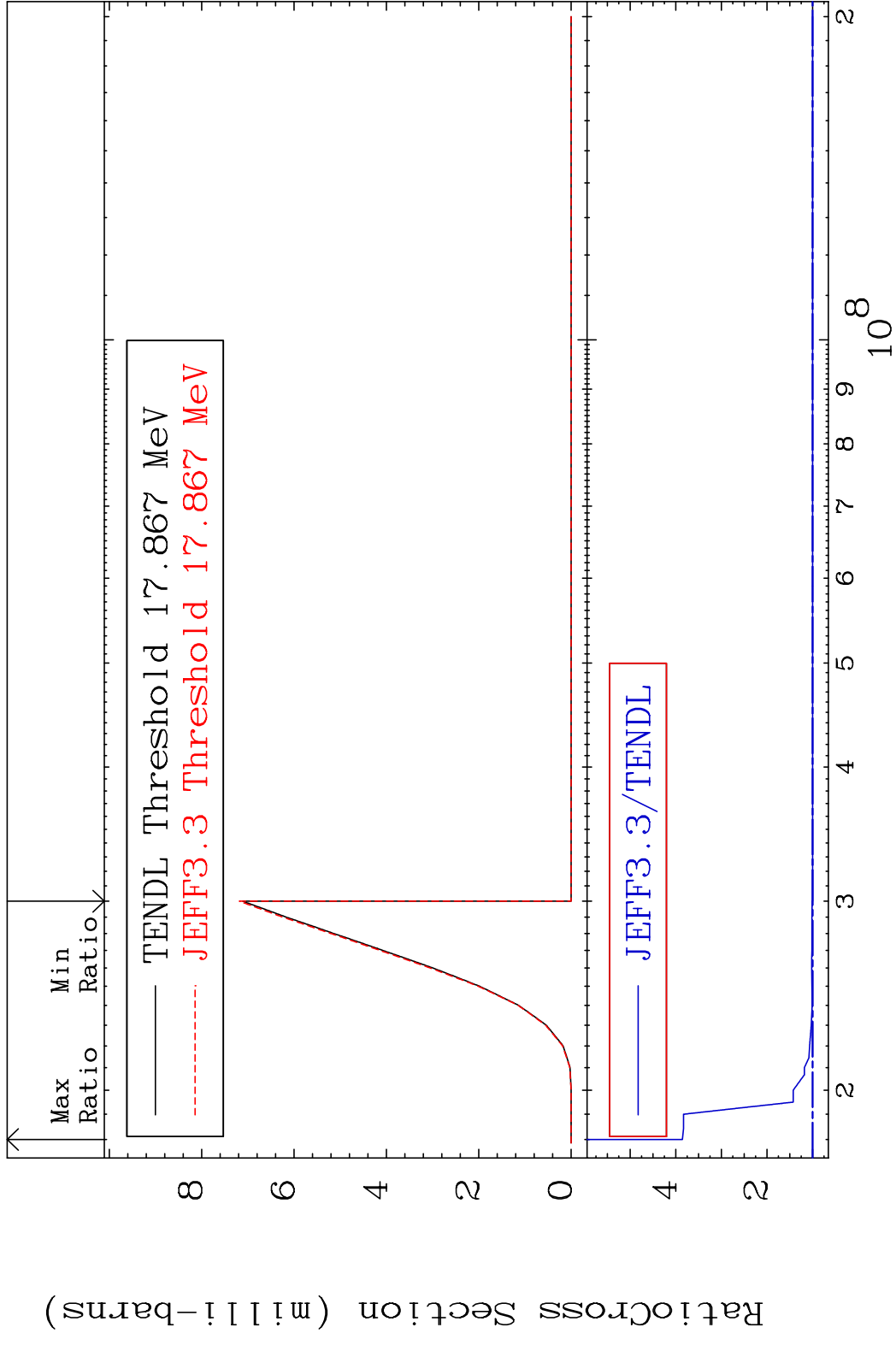
21-Sc-45

MAT 2125

(n, n') t

21-Sc-45

Cross Section 0.000 To 285.6 %



13

Incident Energy (eV)

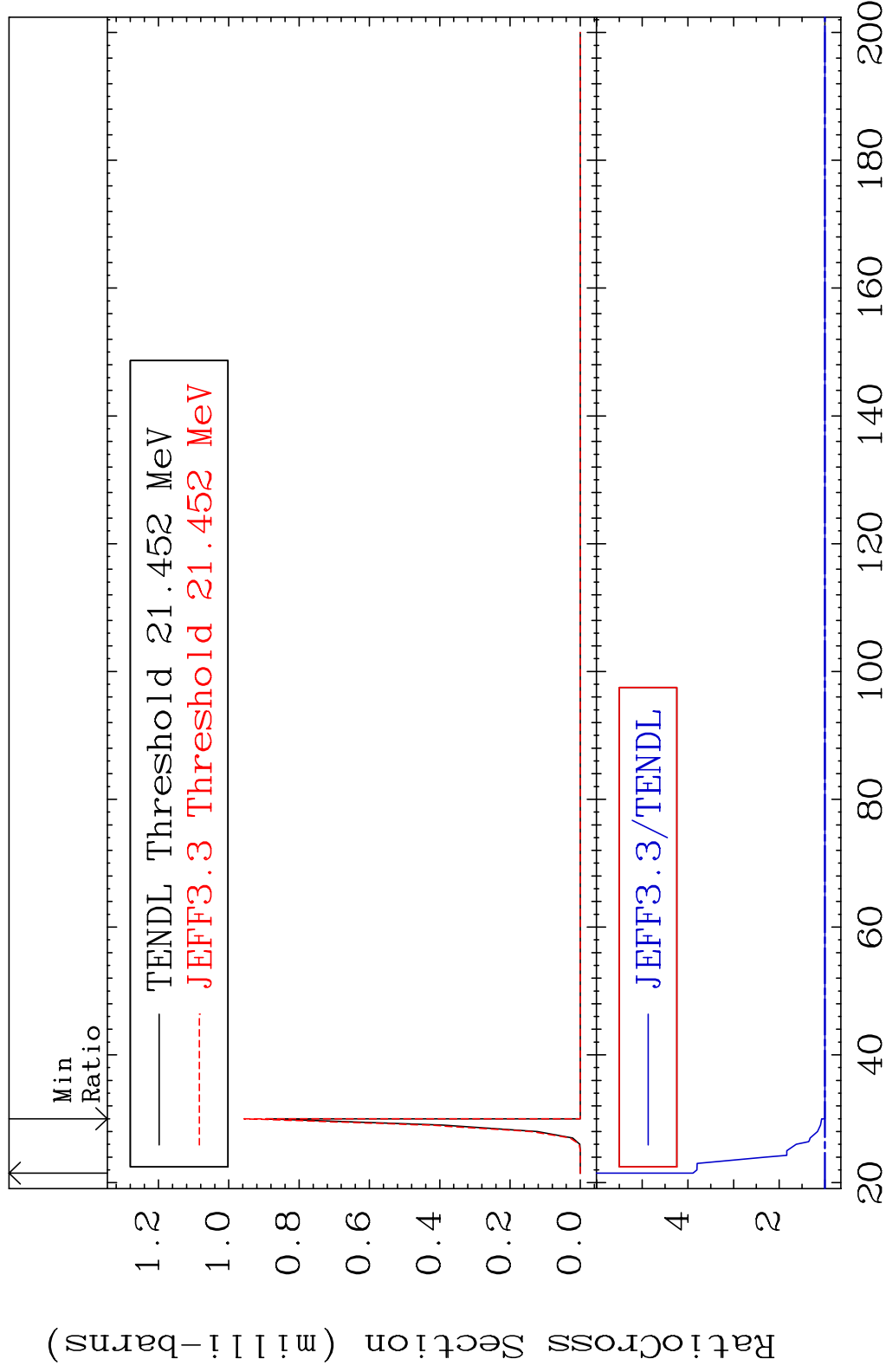
21-Sc-45

MAT 2125

(n,n') He-3

21-Sc-45

Cross Section 0.000 To 288.9 %



14

Incident Energy (MeV)

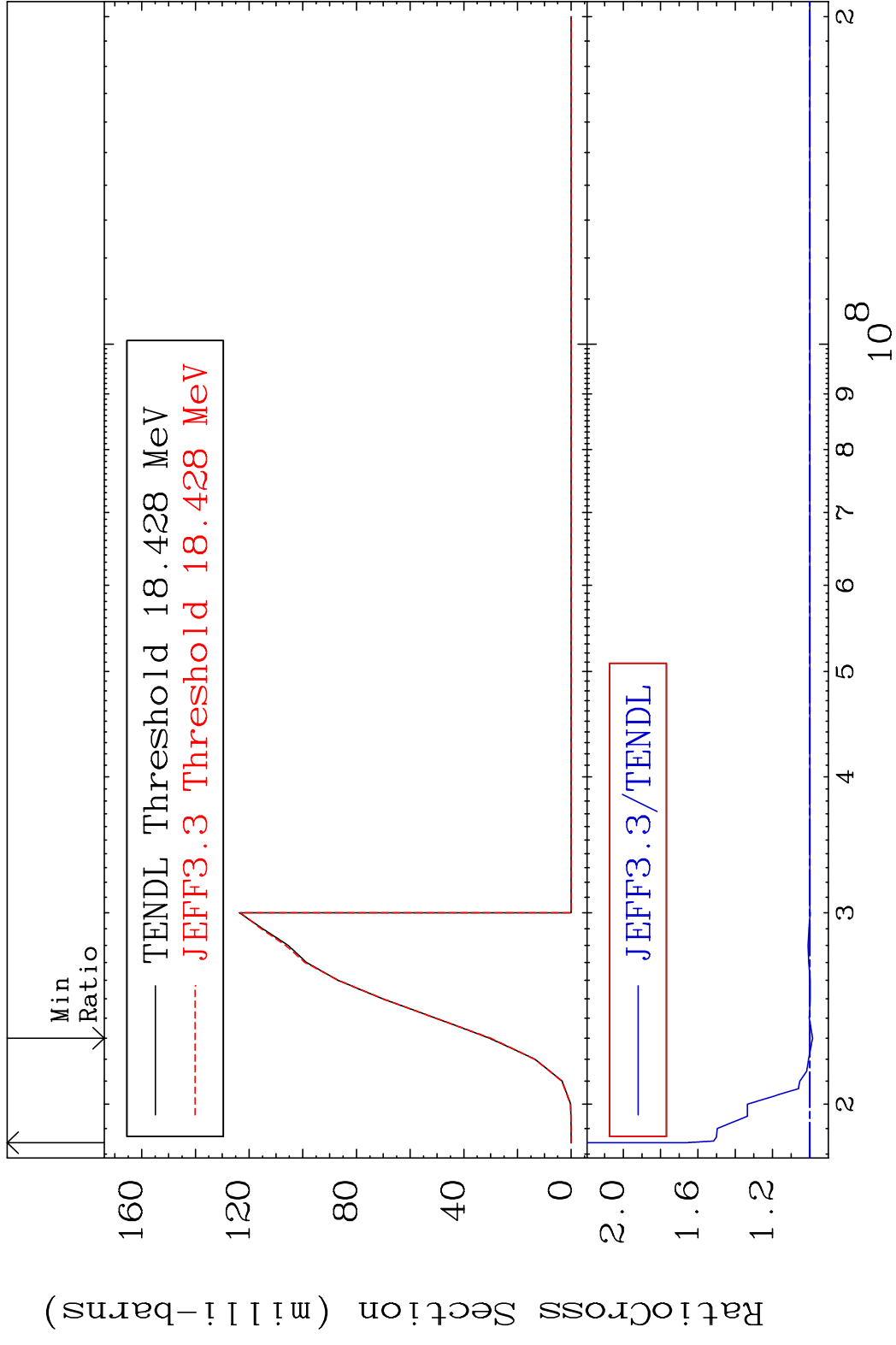
21-Sc-45

MAT 2125

(n,2n) p

21-Sc-45

Cross Section -1.469 To 68.34 %

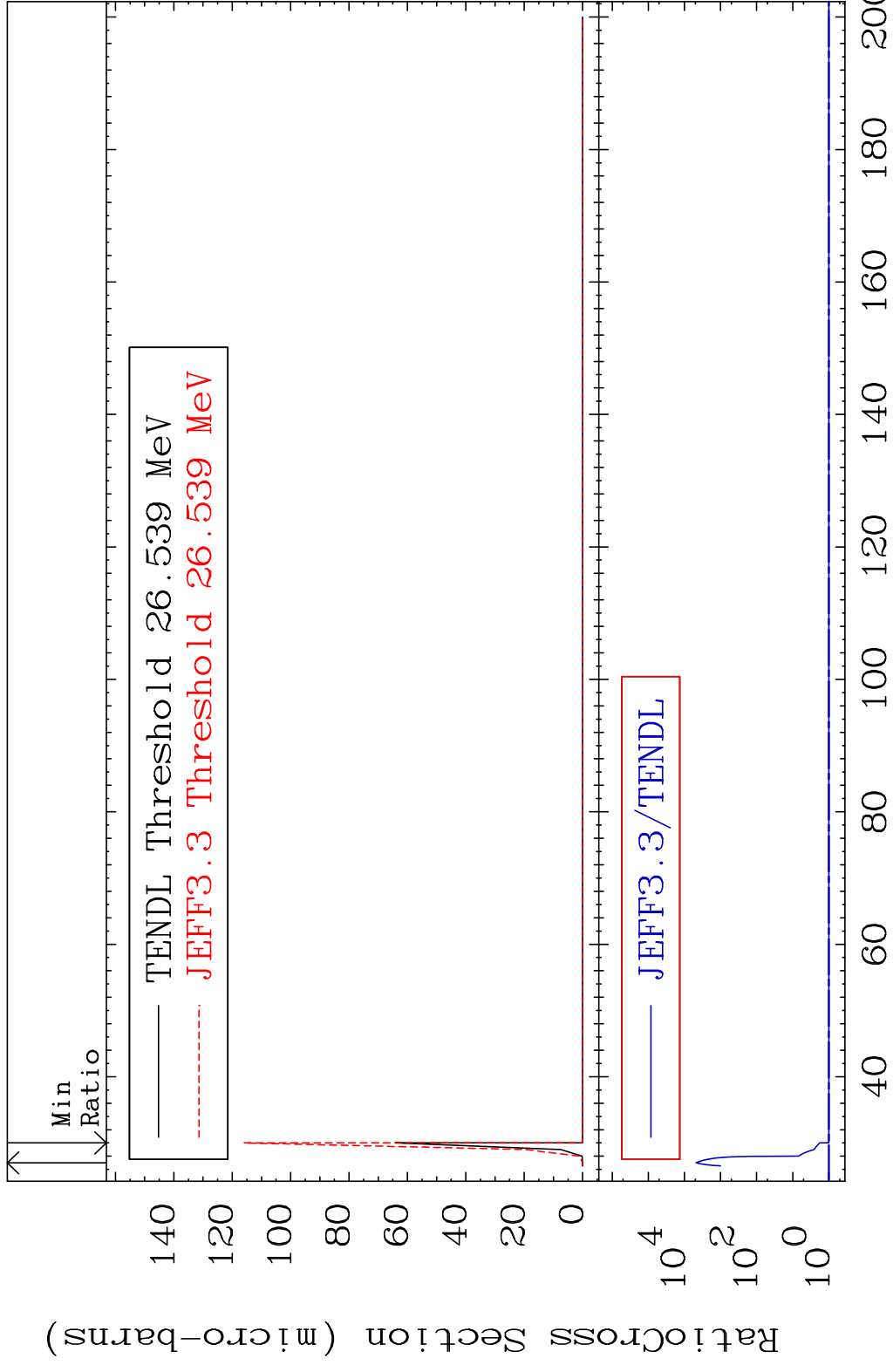


15

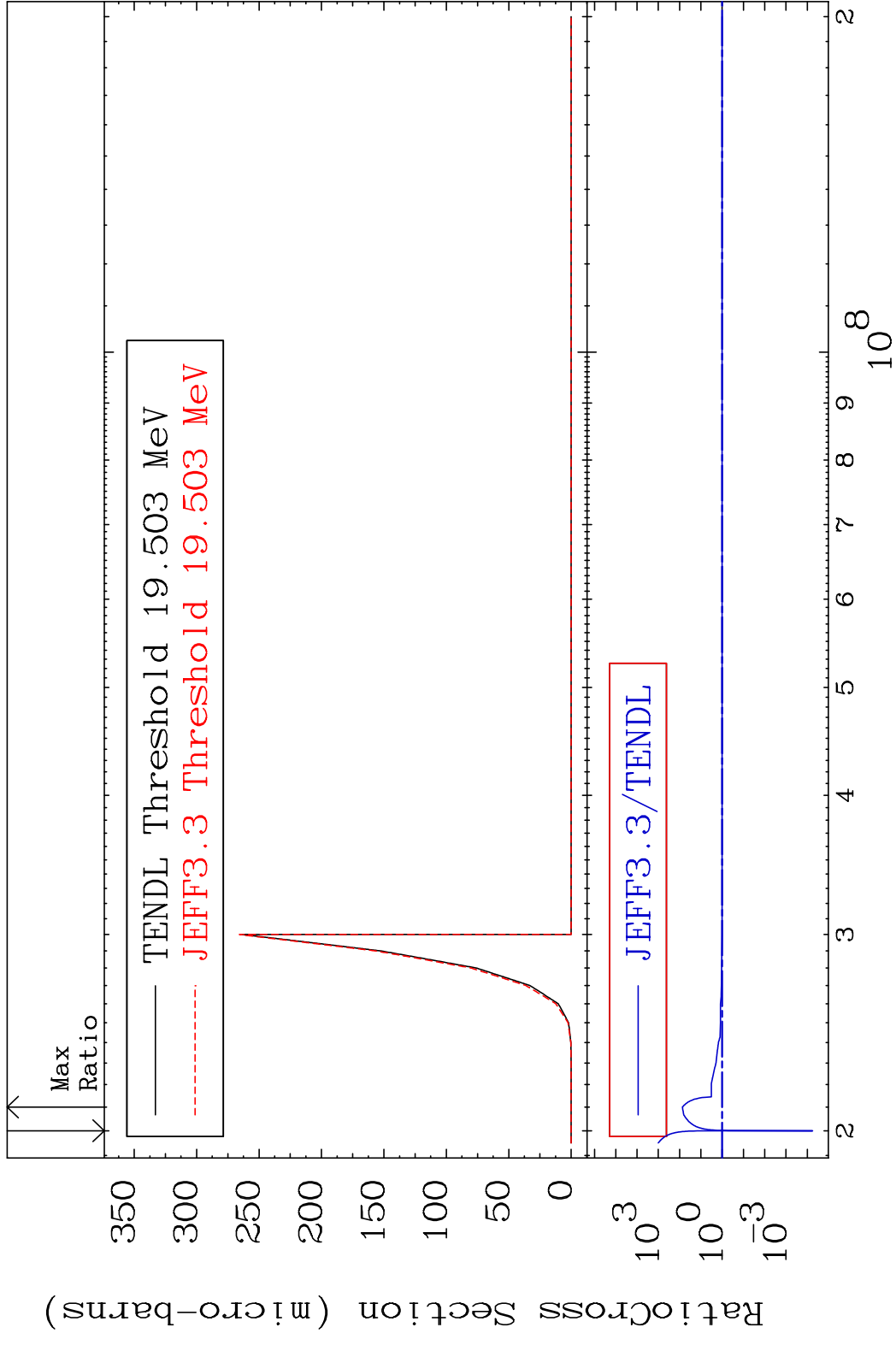
Incident Energy (eV)

21-Sc-45

MAT 2125 (n,3n) p 21-Sc-45
 Cross Section 0.000 To 9999. %



MAT 2125 (n,2n) p 21-Sc-45
 Cross Section -99.99 To 7325. %

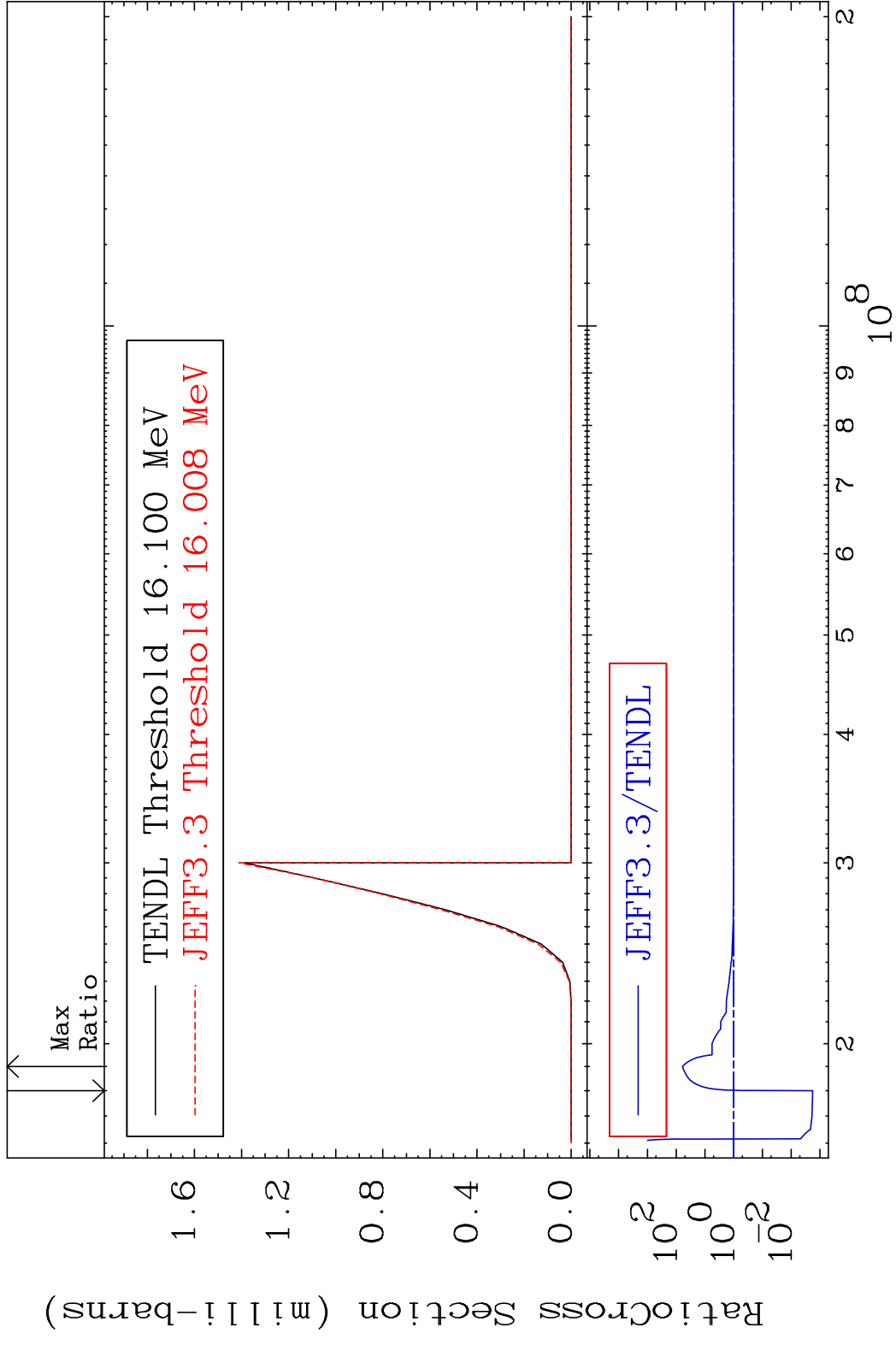


MAT 2125

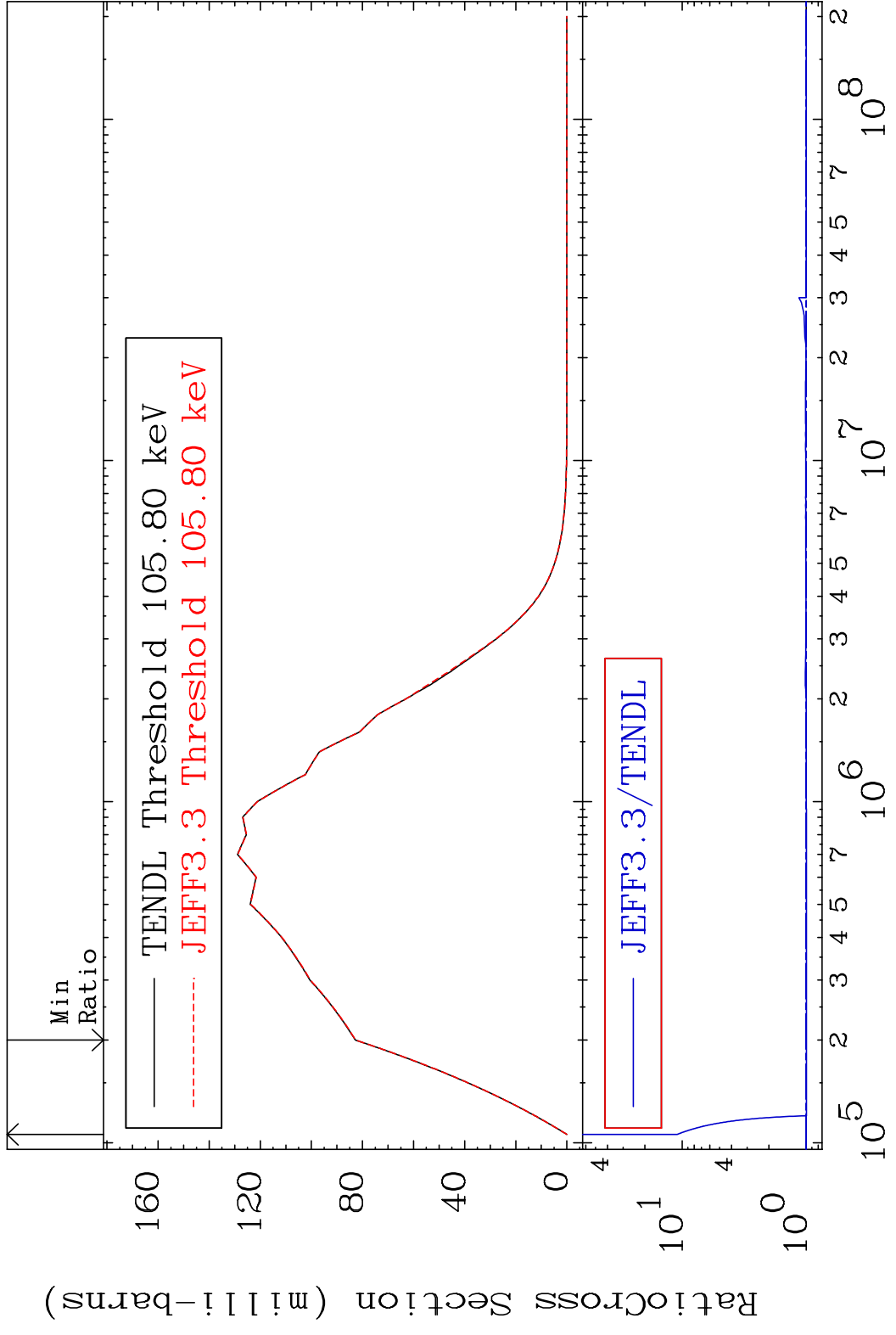
(n,n') p α

21-Sc-45

Cross Section -99.82 To 5984. %

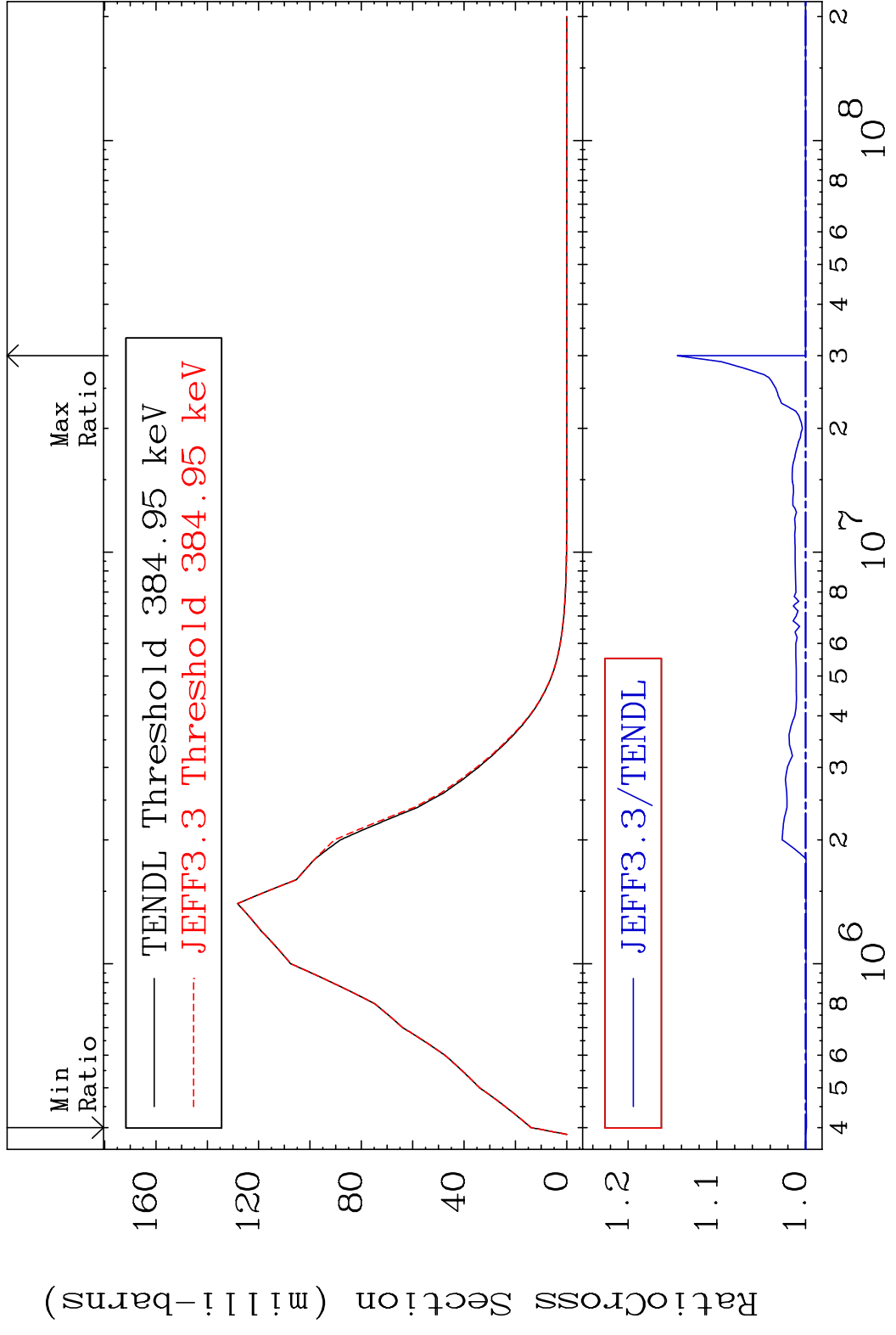


MAT 2125 MT= 51 (n,n') Level 21-Sc-45
 Cross Section -0.176 To 998.1 %

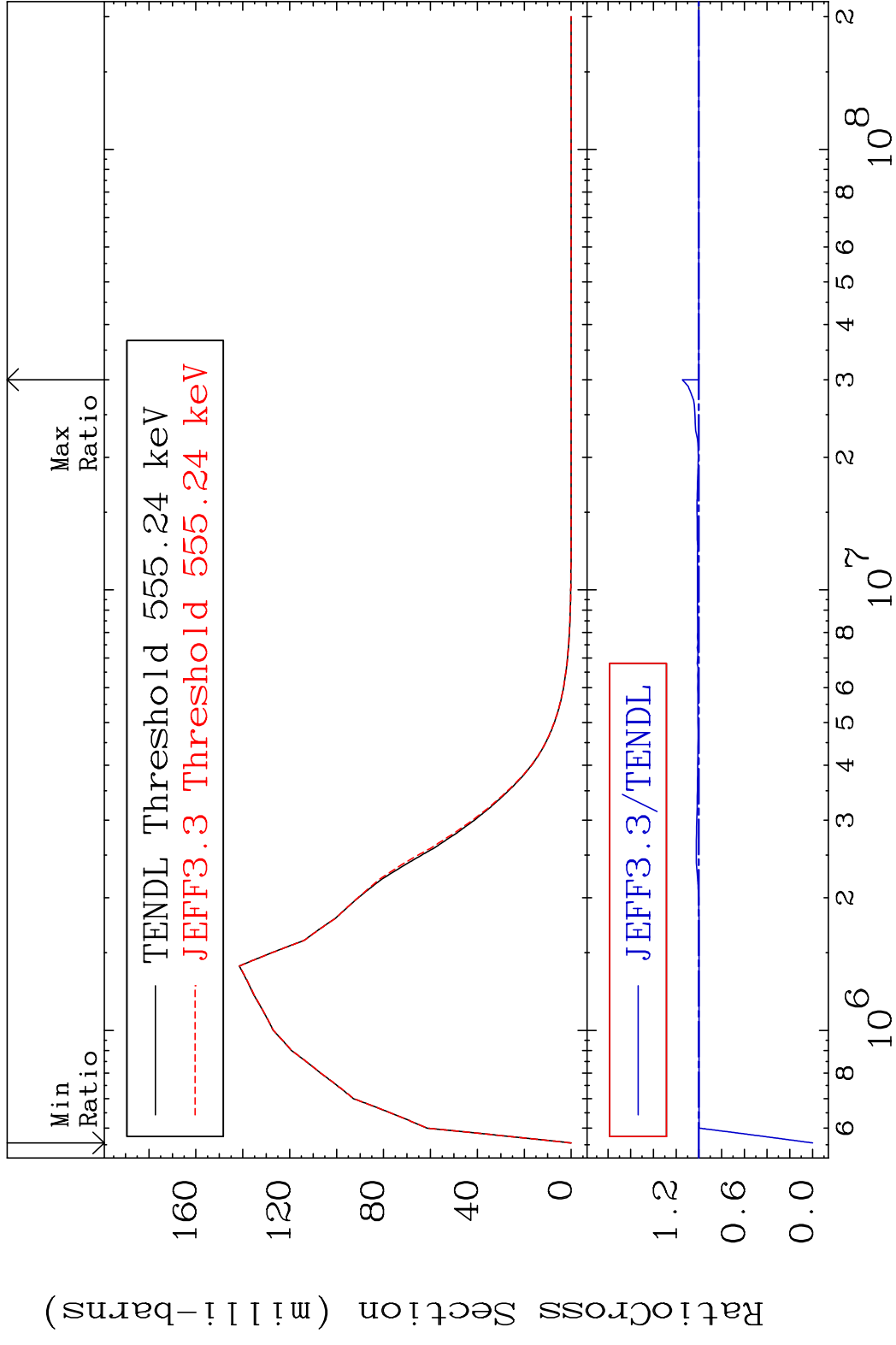


19 Incident Energy (eV) 21-Sc-45

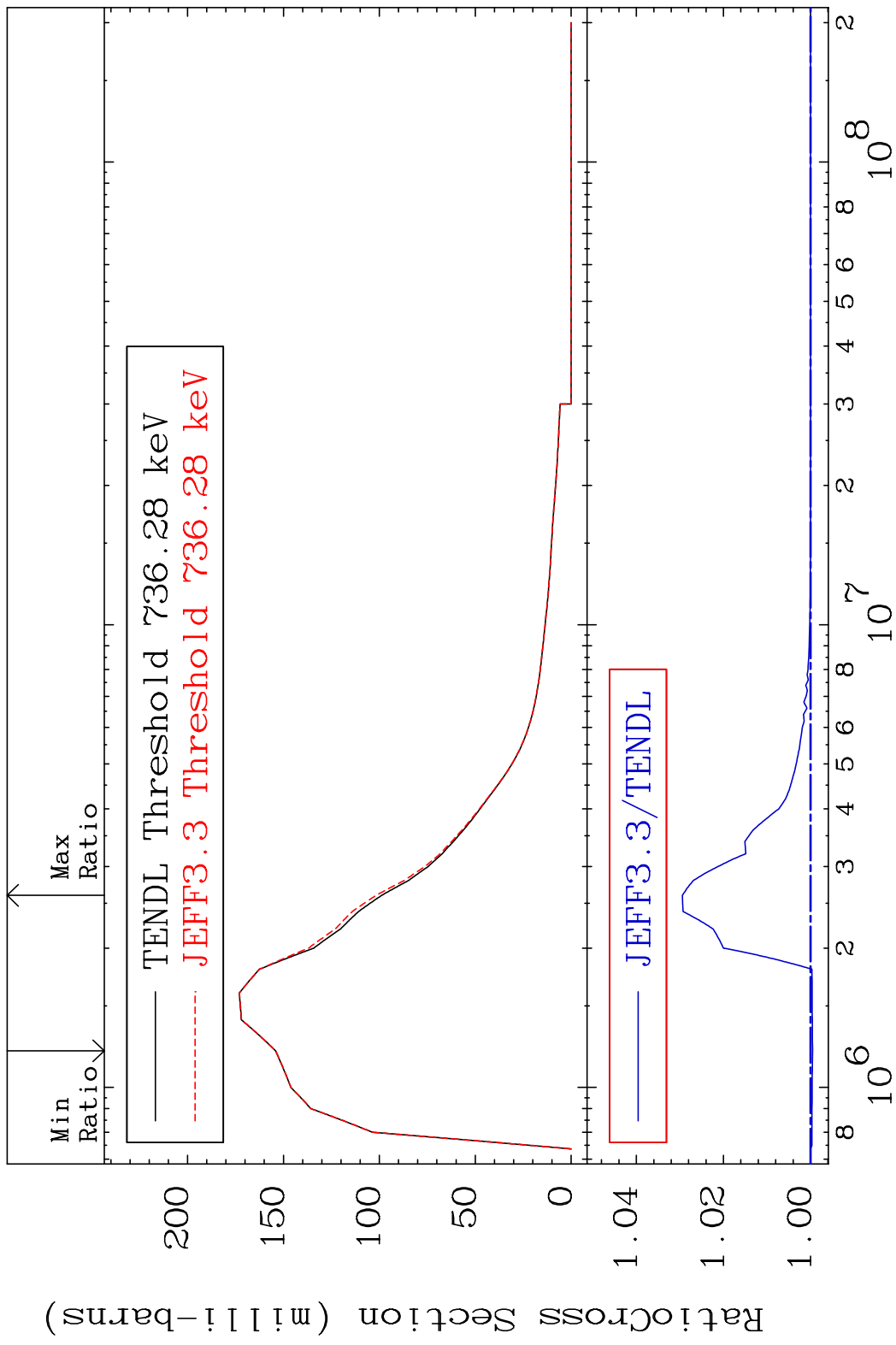
MAT 2125 MT= 52 (n, n') Level 21-Sc-45
 Cross Section -0.089 To 14.48 %



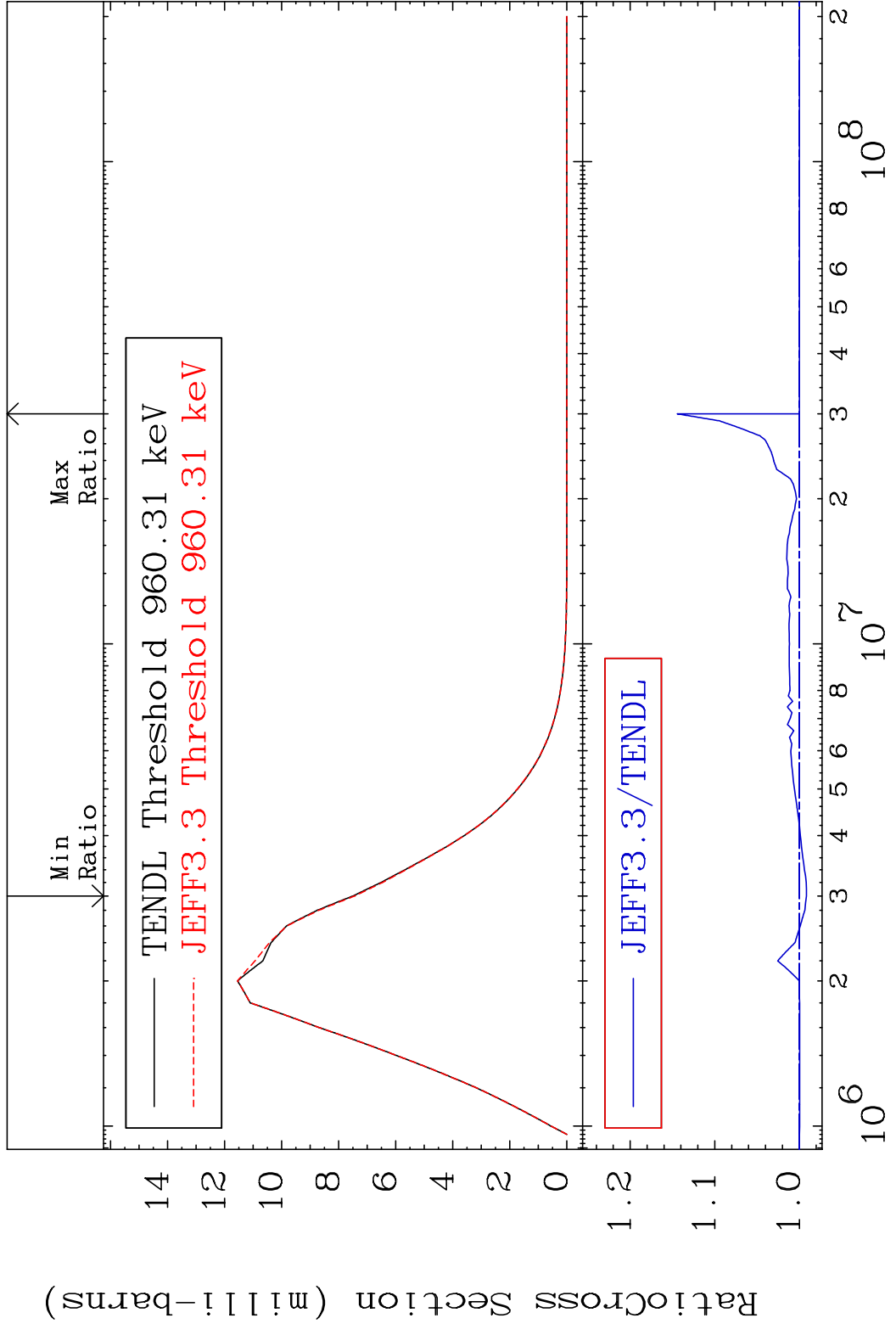
MAT 2125 MT= 53 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 14.55 %



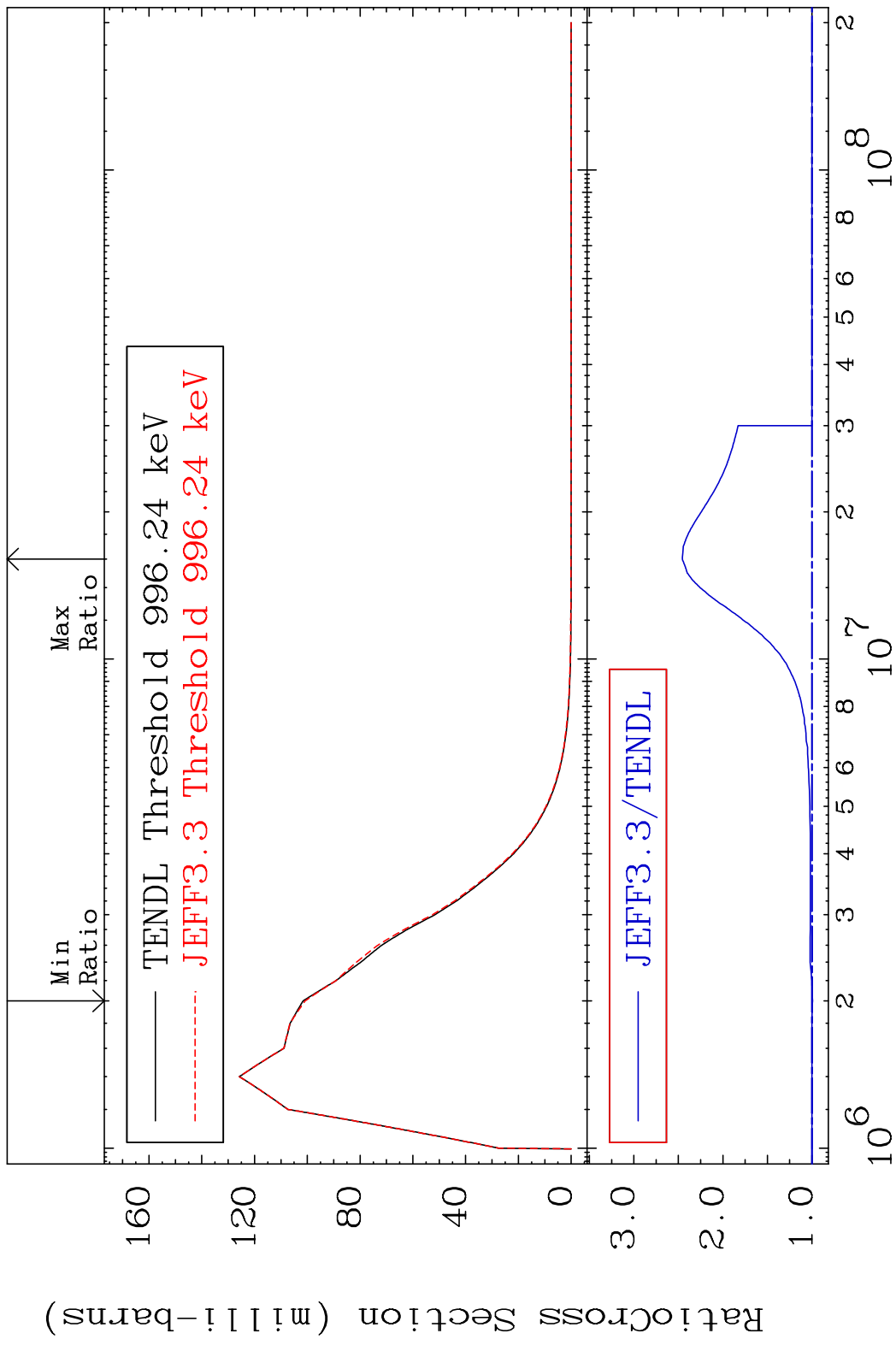
MAT 2125 MT= 54 (n,n') Level 21-Sc-45
 Cross Section -0.046 To 2.944 %



MAT 2125 MT= 55 (n, n') Level 21-Sc-45
 Cross Section -0.836 To 14.44 %

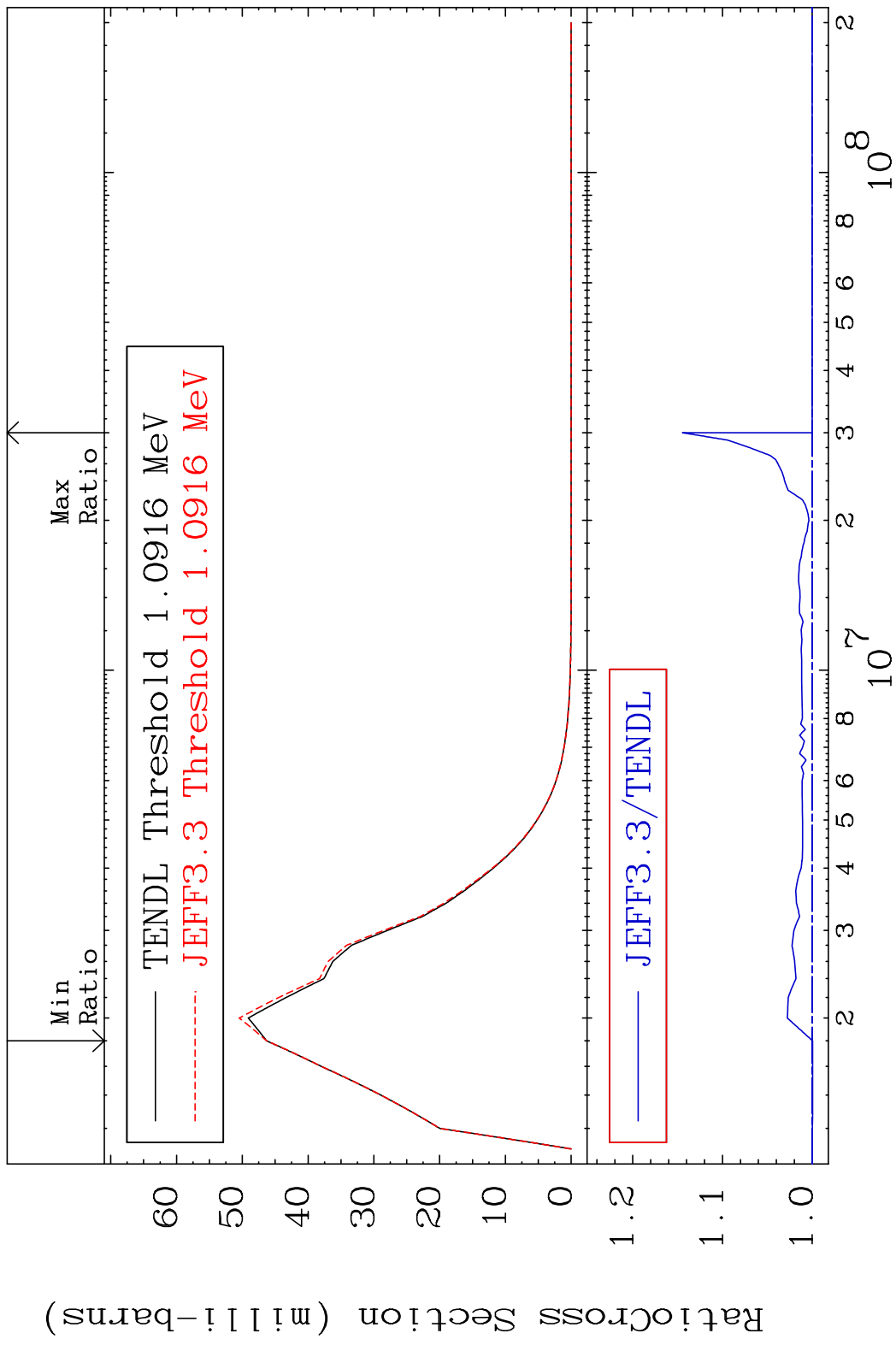


MAT 2125 MT= 56 (n, n') Level 21-Sc-45
 Cross Section -0.747 To 145.5 %

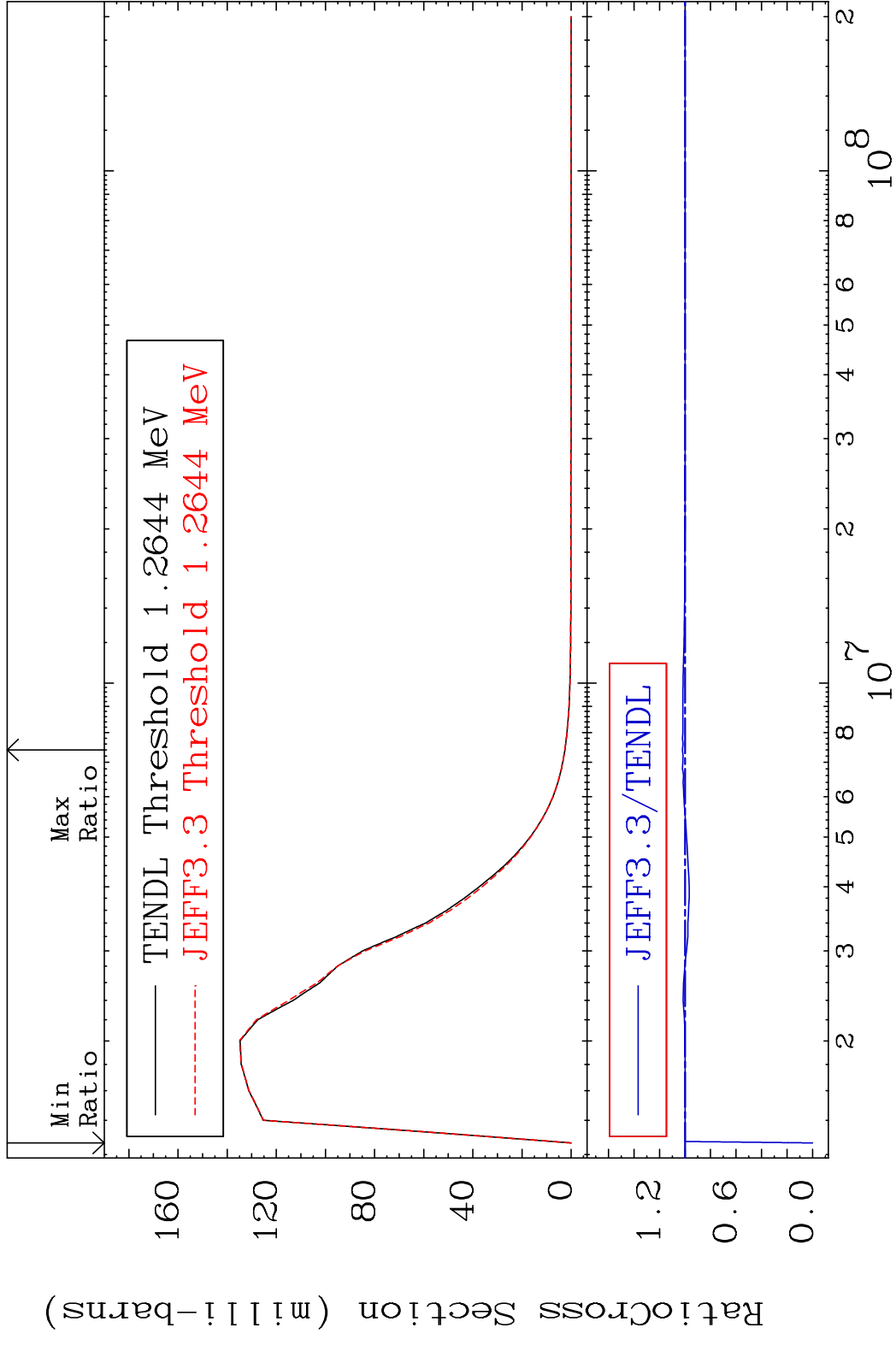


24 Incident Energy (eV) 21-Sc-45

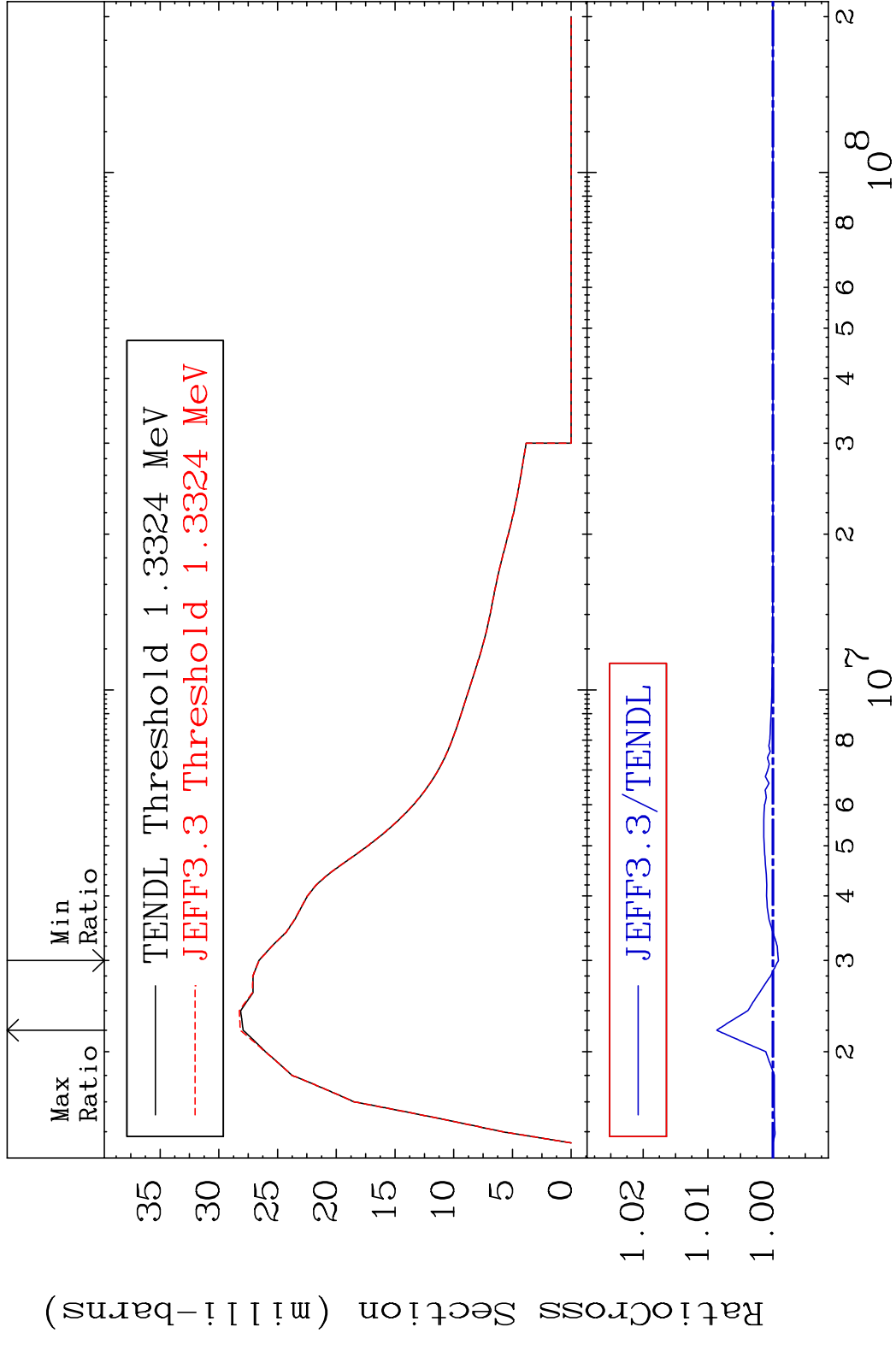
MAT 2125 MT= 57 (n, n') Level 21-Sc-45
 Cross Section -0.035 To 14.47 %



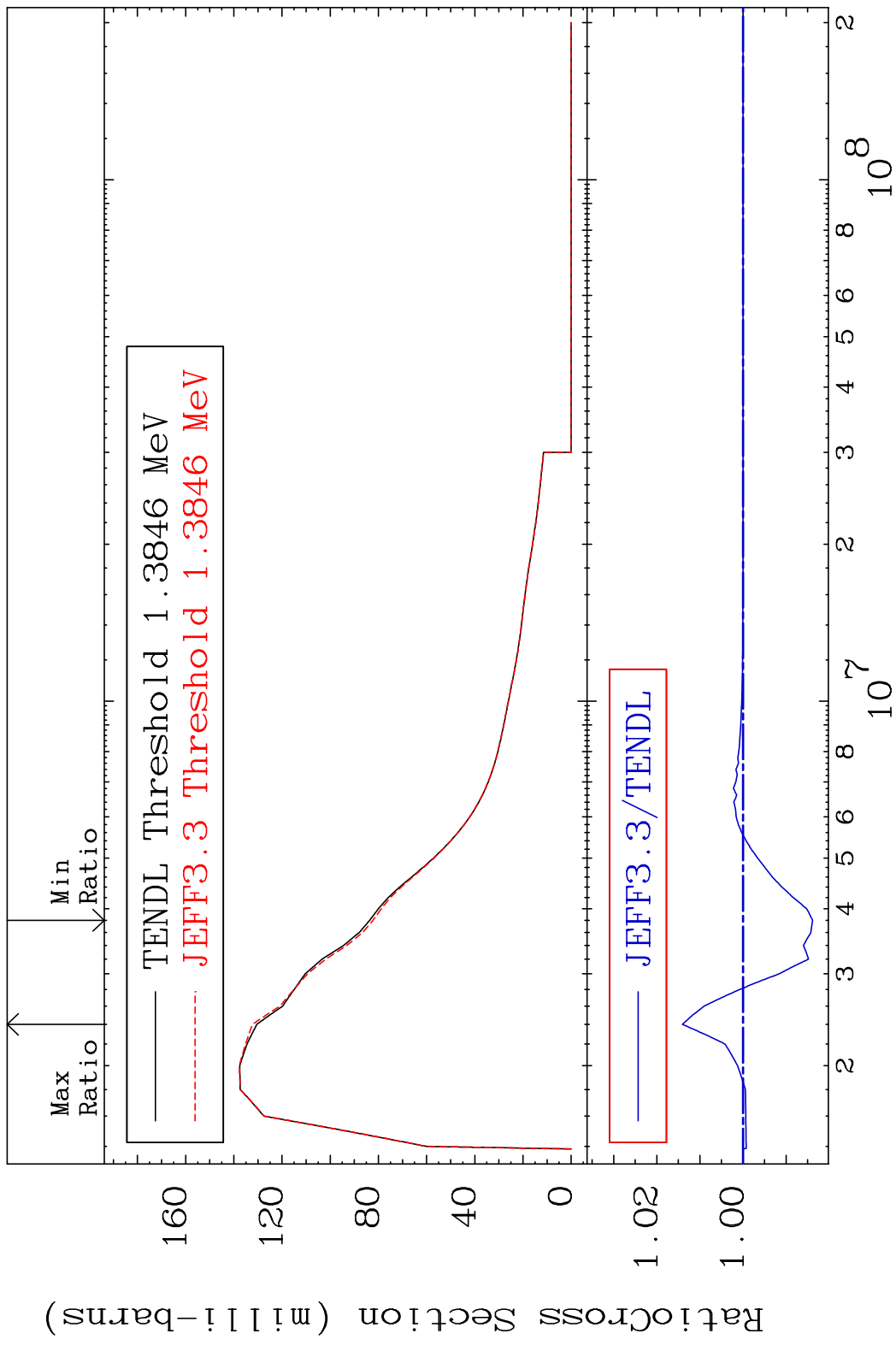
MAT 2125 MT= 58 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 2.097 %



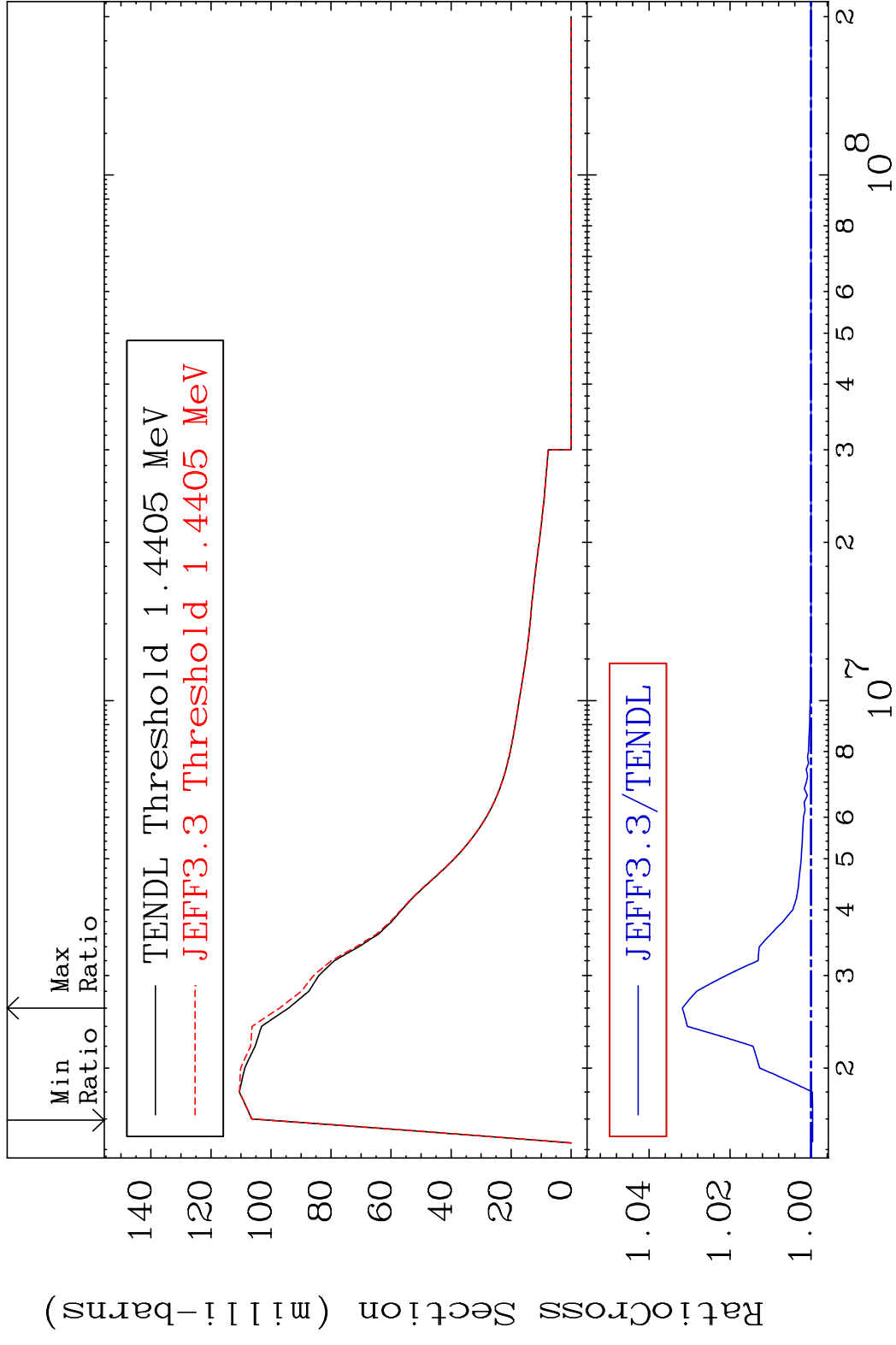
MAT 2125 MT= 59 (n, n') Level 21-Sc-45
 Cross Section -0.085 To 0.868 %



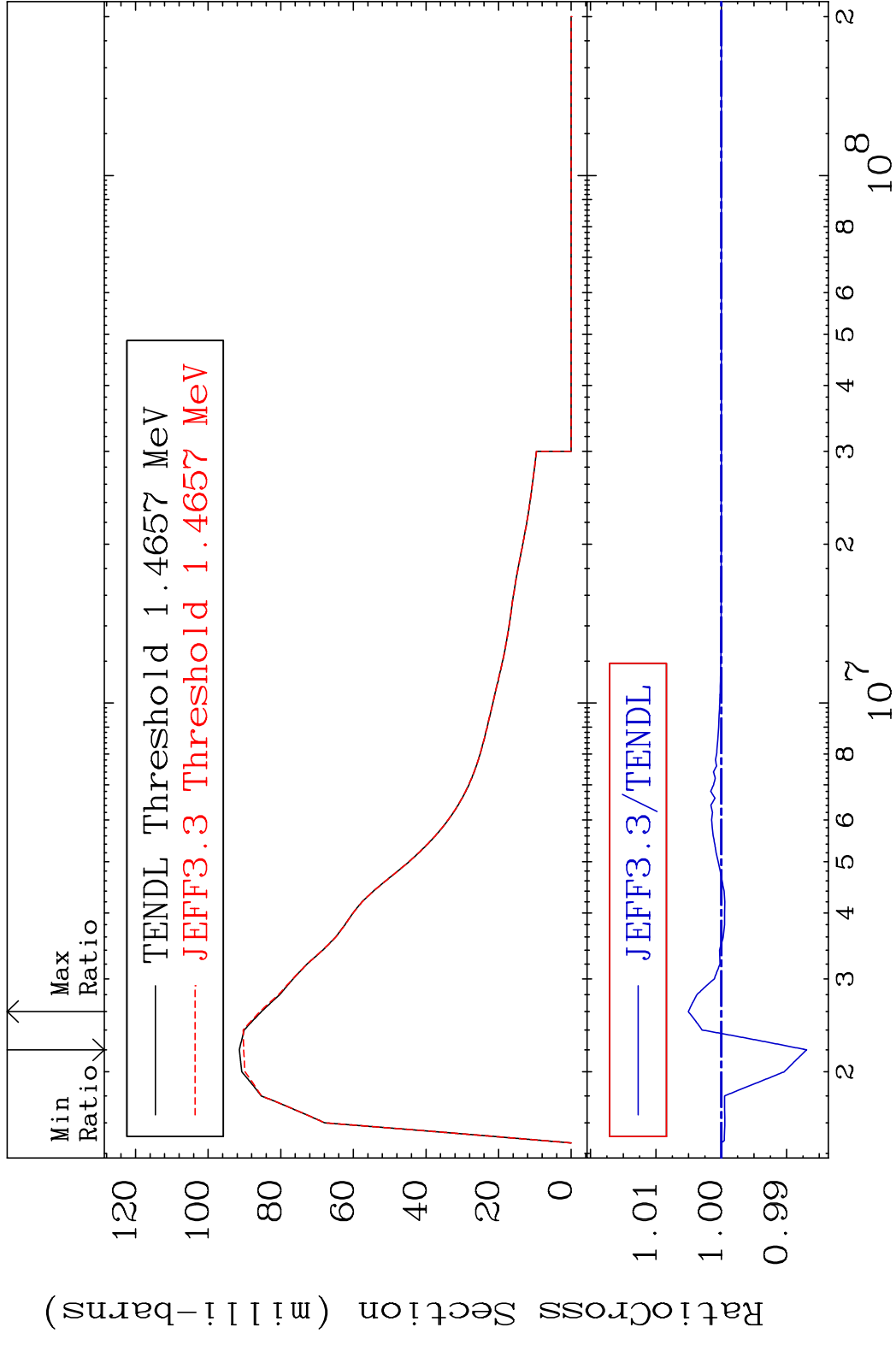
MAT 2125 MT= 60 (n, n') Level 21-Sc-45
 Cross Section -1.613 To 1.407 %



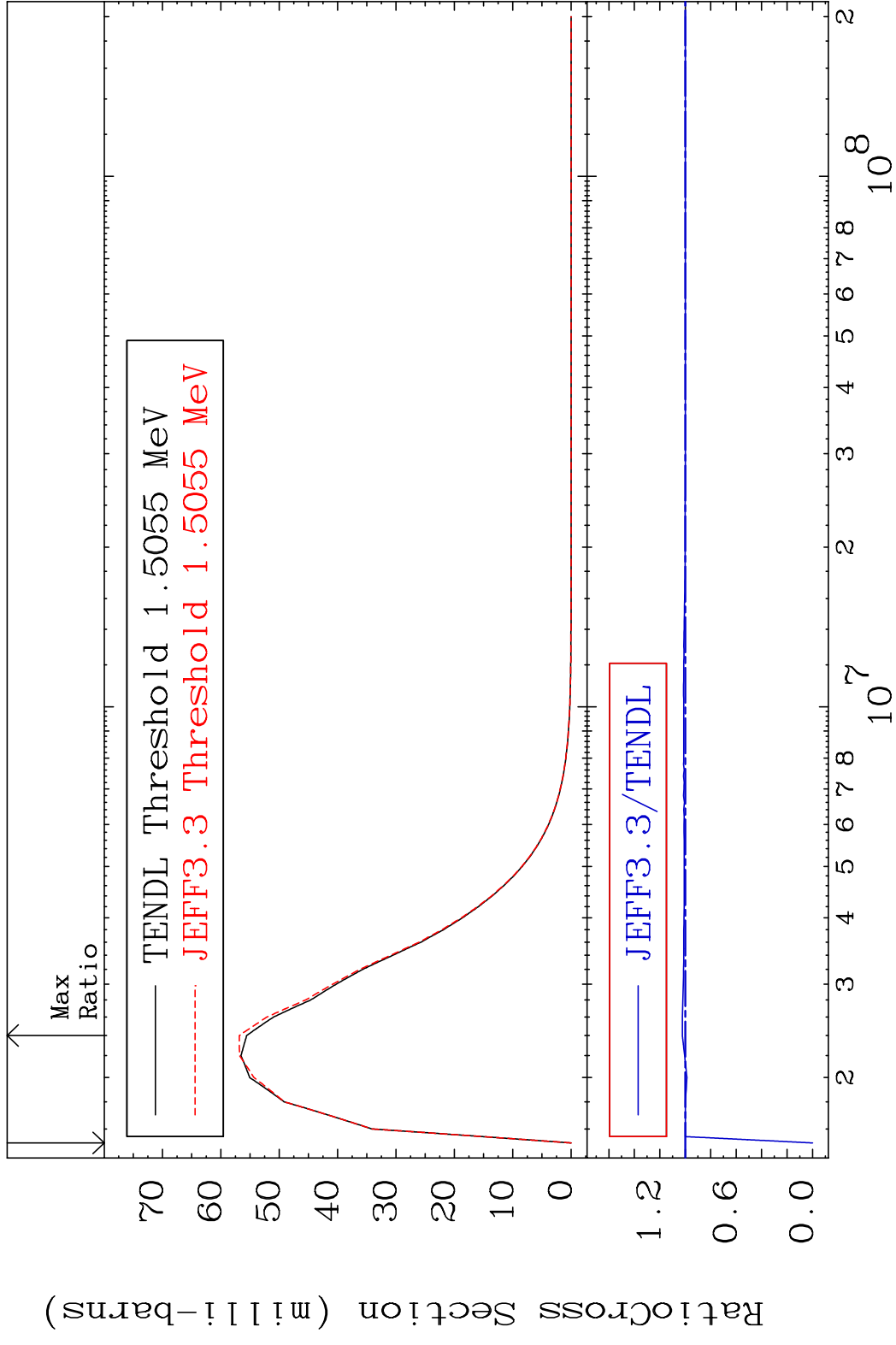
MAT 2125 MT= 61 (n,n') Level 21-Sc-45
 Cross Section -0.038 To 3.176 %



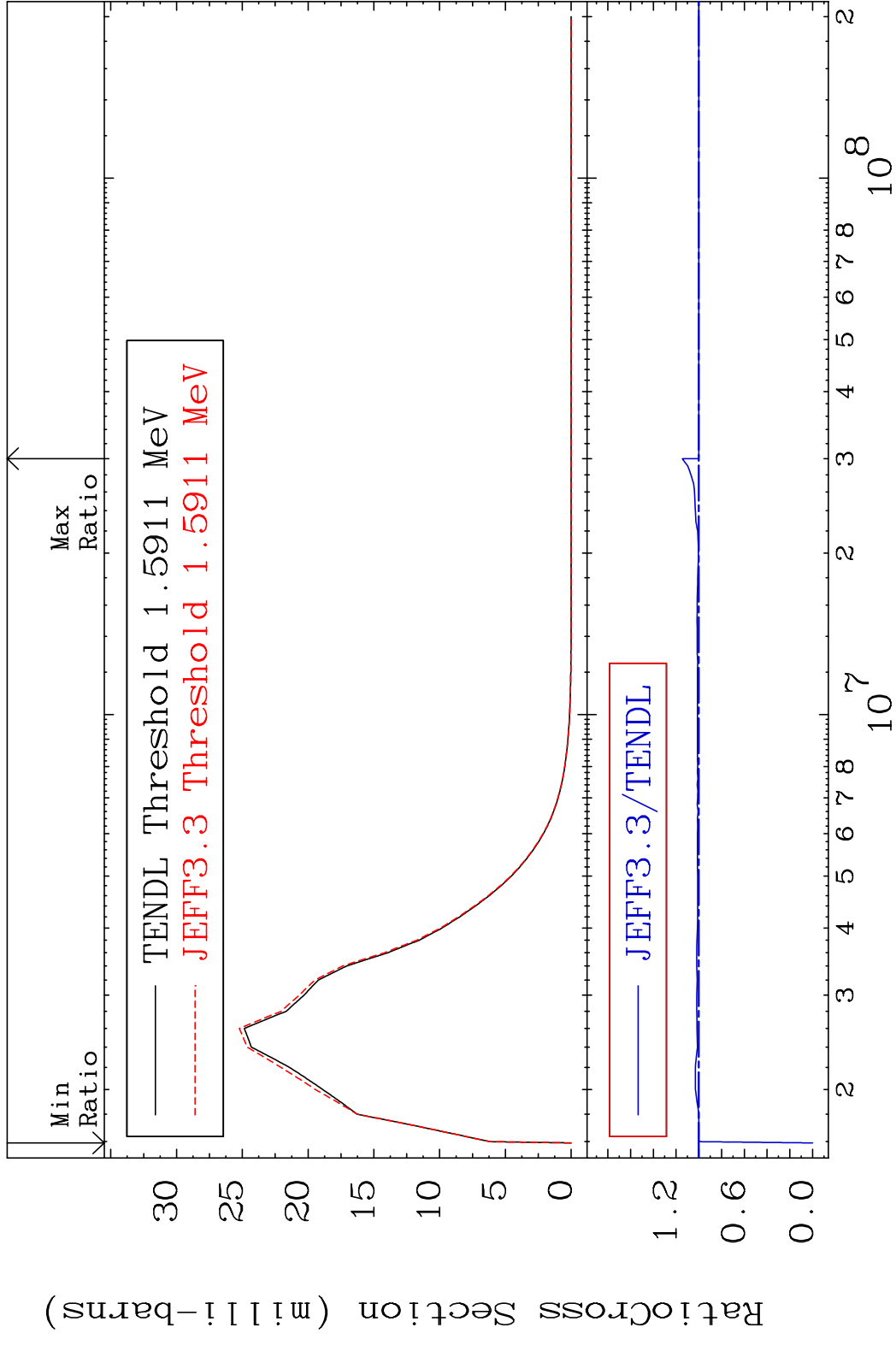
MAT 2125 MT= 62 (n, n') Level 21-Sc-45
 Cross Section -1.306 To 0.505 %



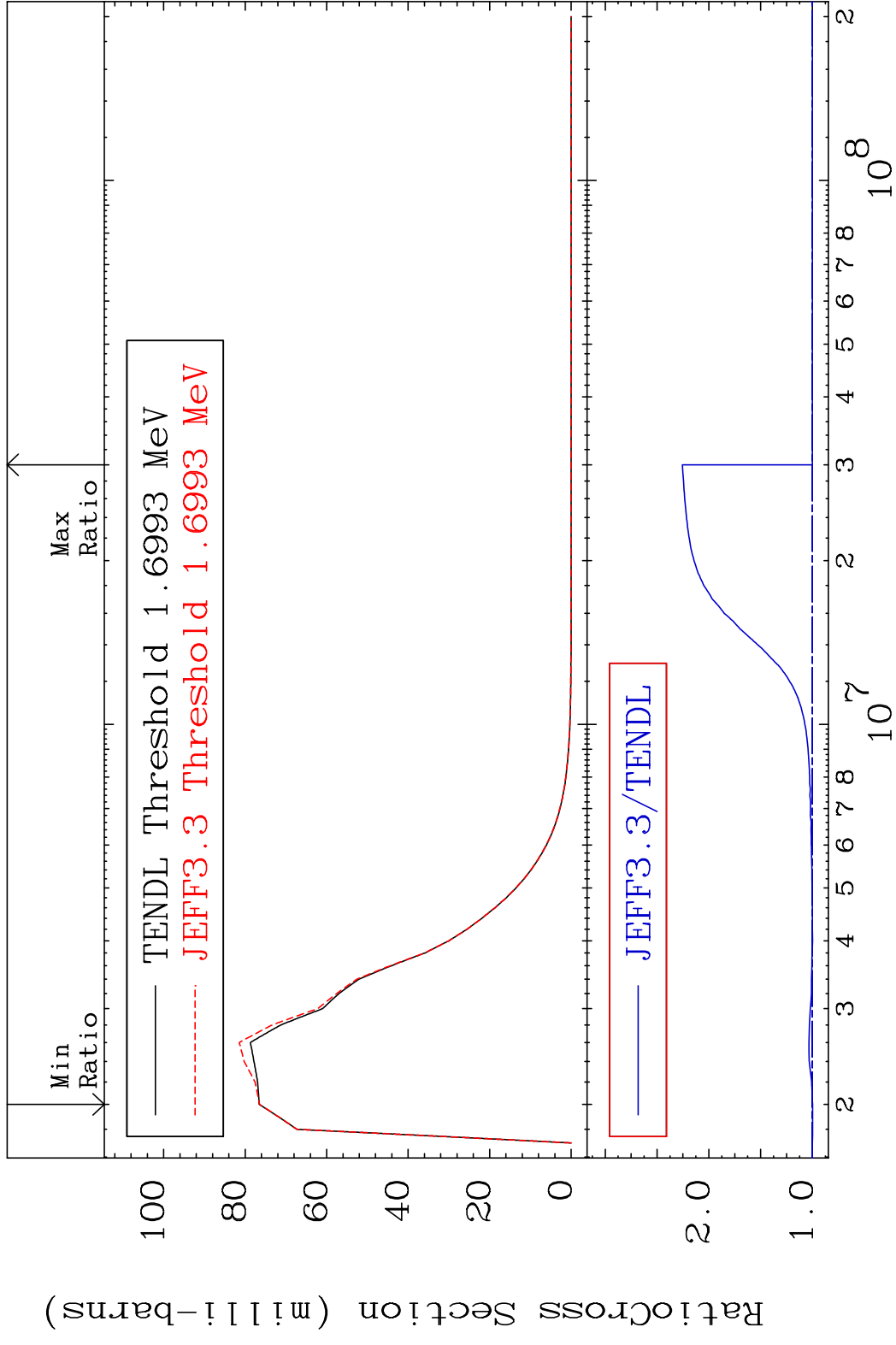
MAT 2125 MT= 63 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 2.277 %



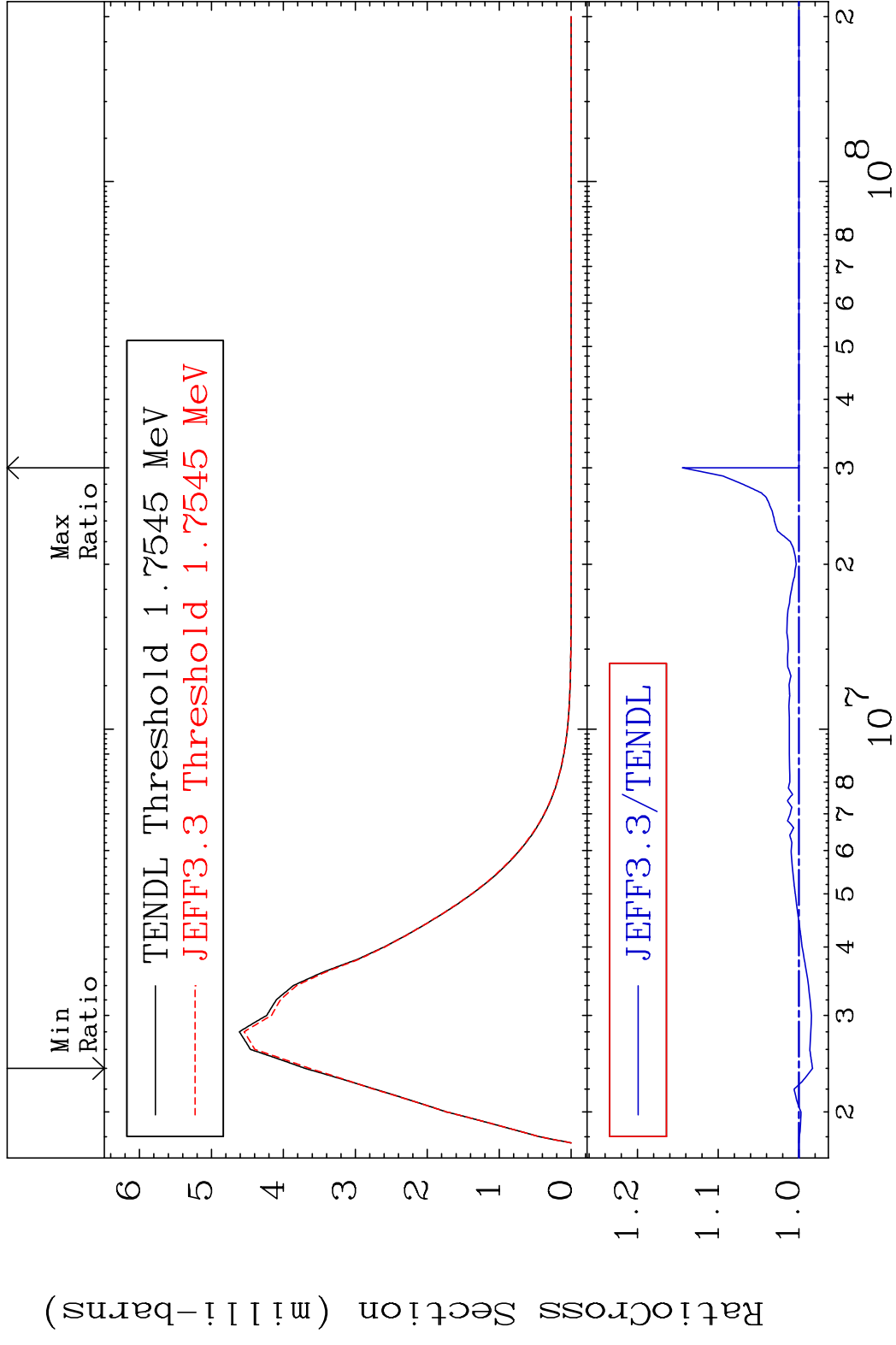
MAT 2125 MT= 64 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 14.47 %



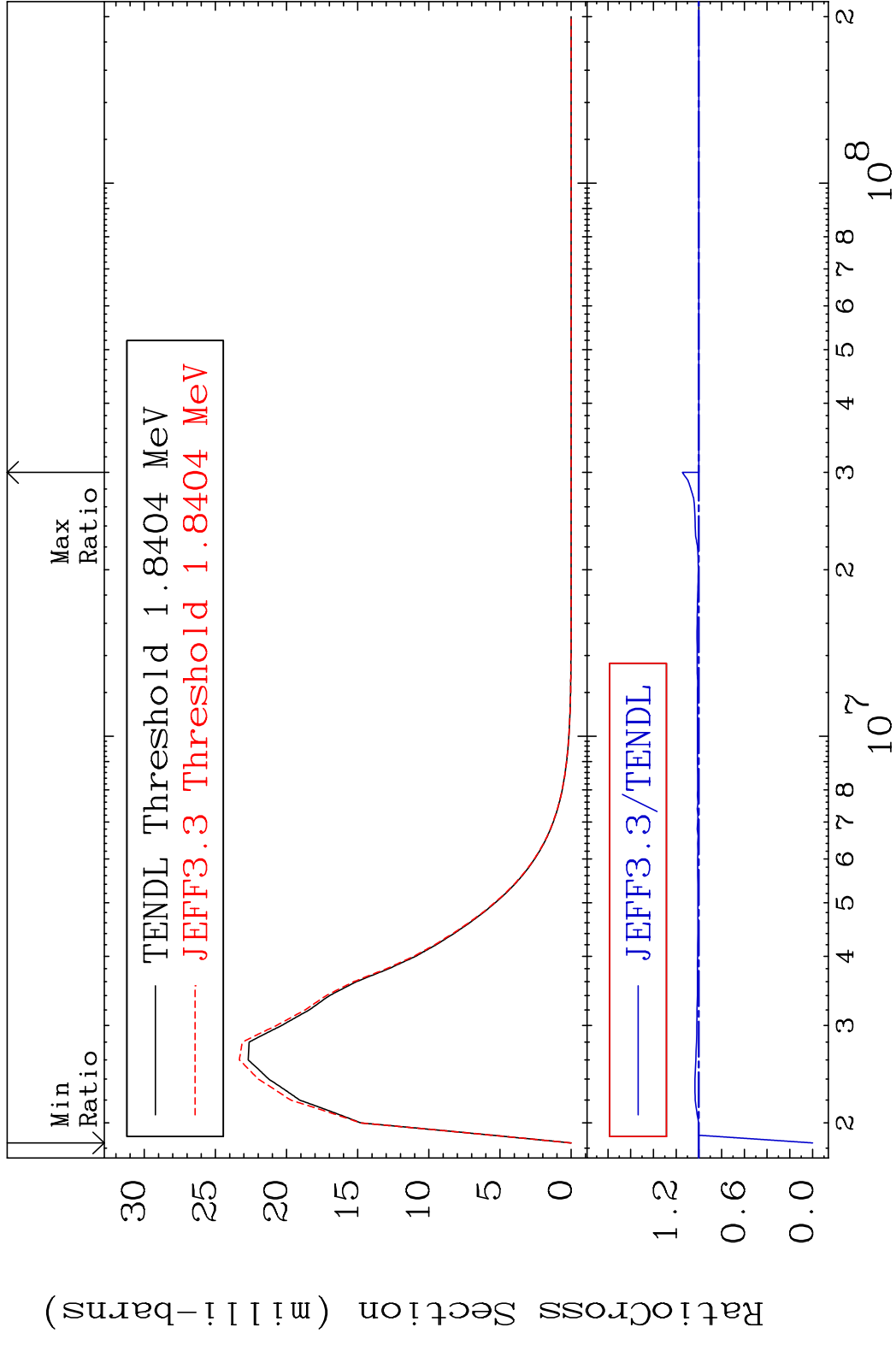
MAT 2125 MT= 65 (n, n') Level 21-Sc-45
 Cross Section -0.087 To 125.6 %



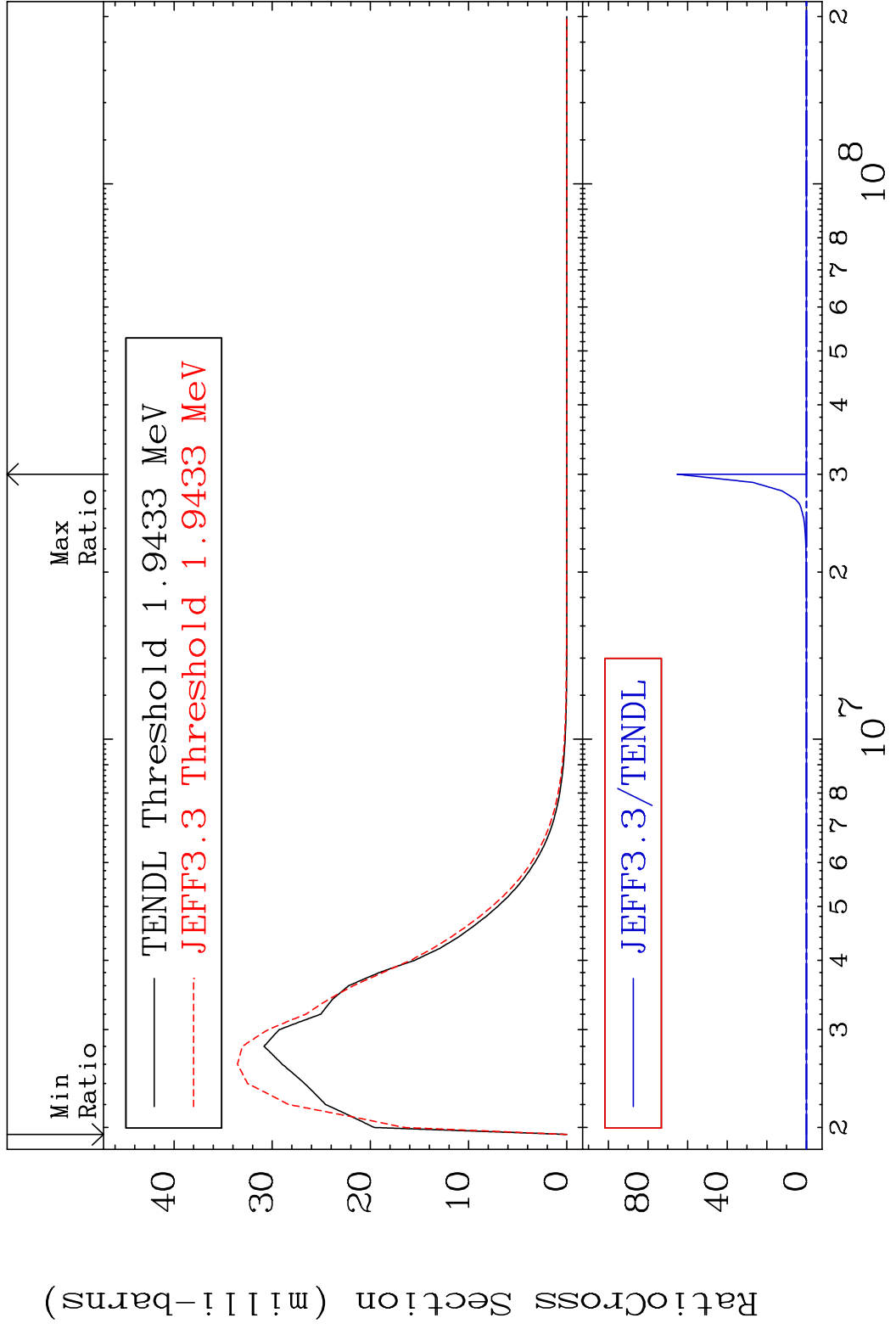
MAT 2125 MT= 66 (n, n') Level 21-Sc-45
 Cross Section -1.690 To 14.44 %



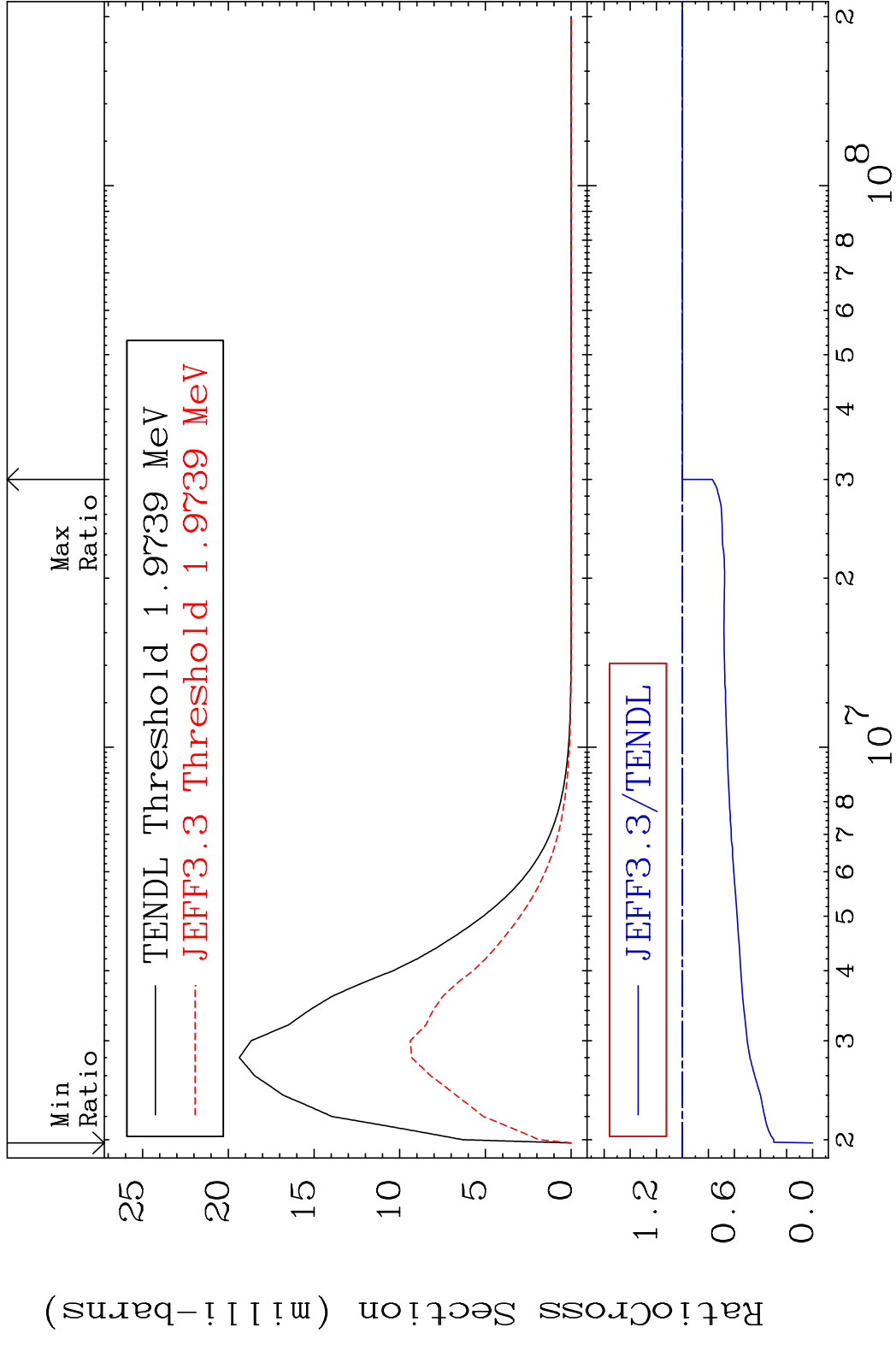
MAT 2125 MT= 67 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 14.54 %



MAT 2125 MT= 68 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 9999. %



MAT 2125 MT= 69 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 0.000 %

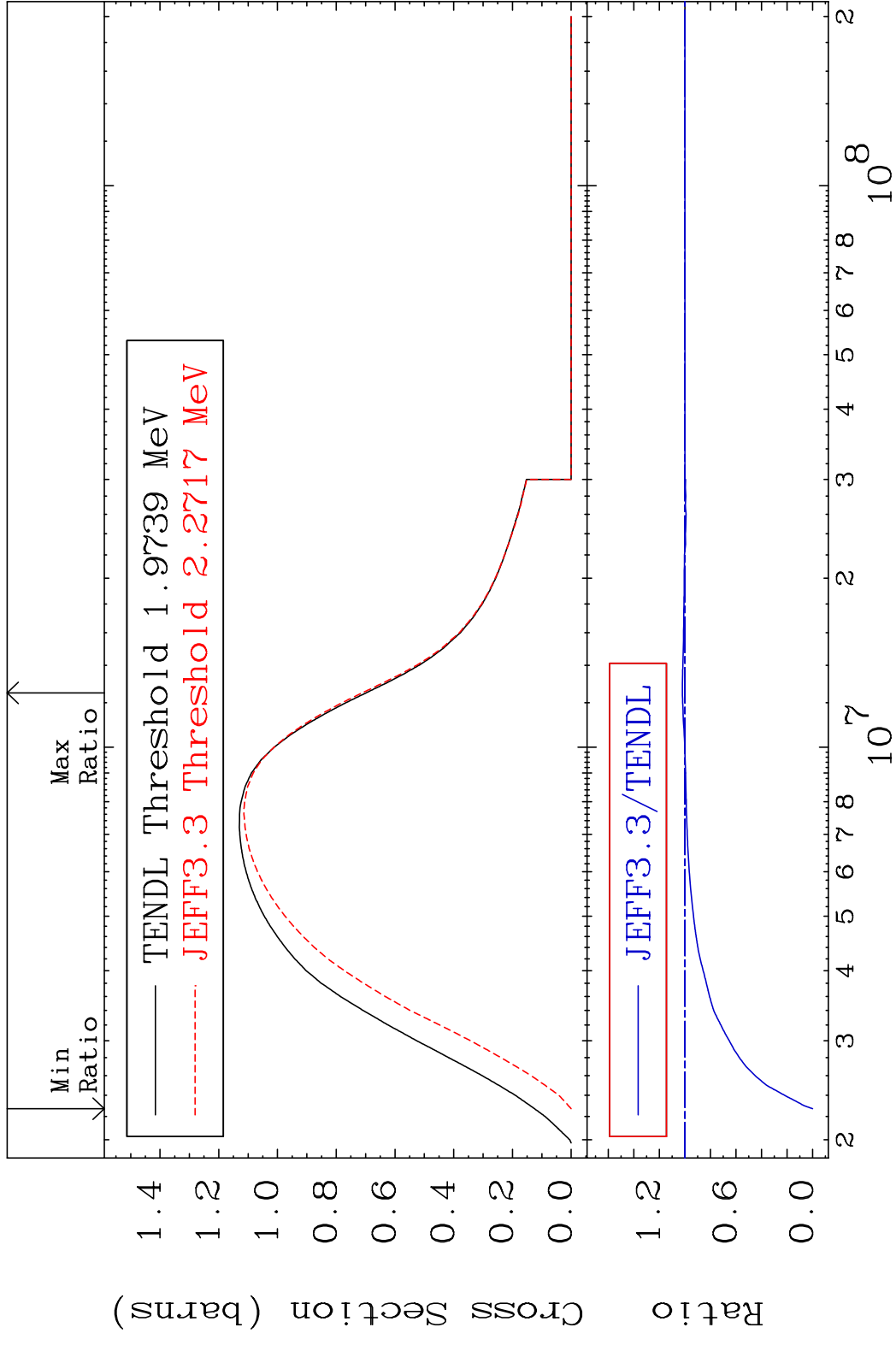


MAT 2125

(n, n') Continuum

21-Sc-45

Cross Section -100.0 To 1.941 %

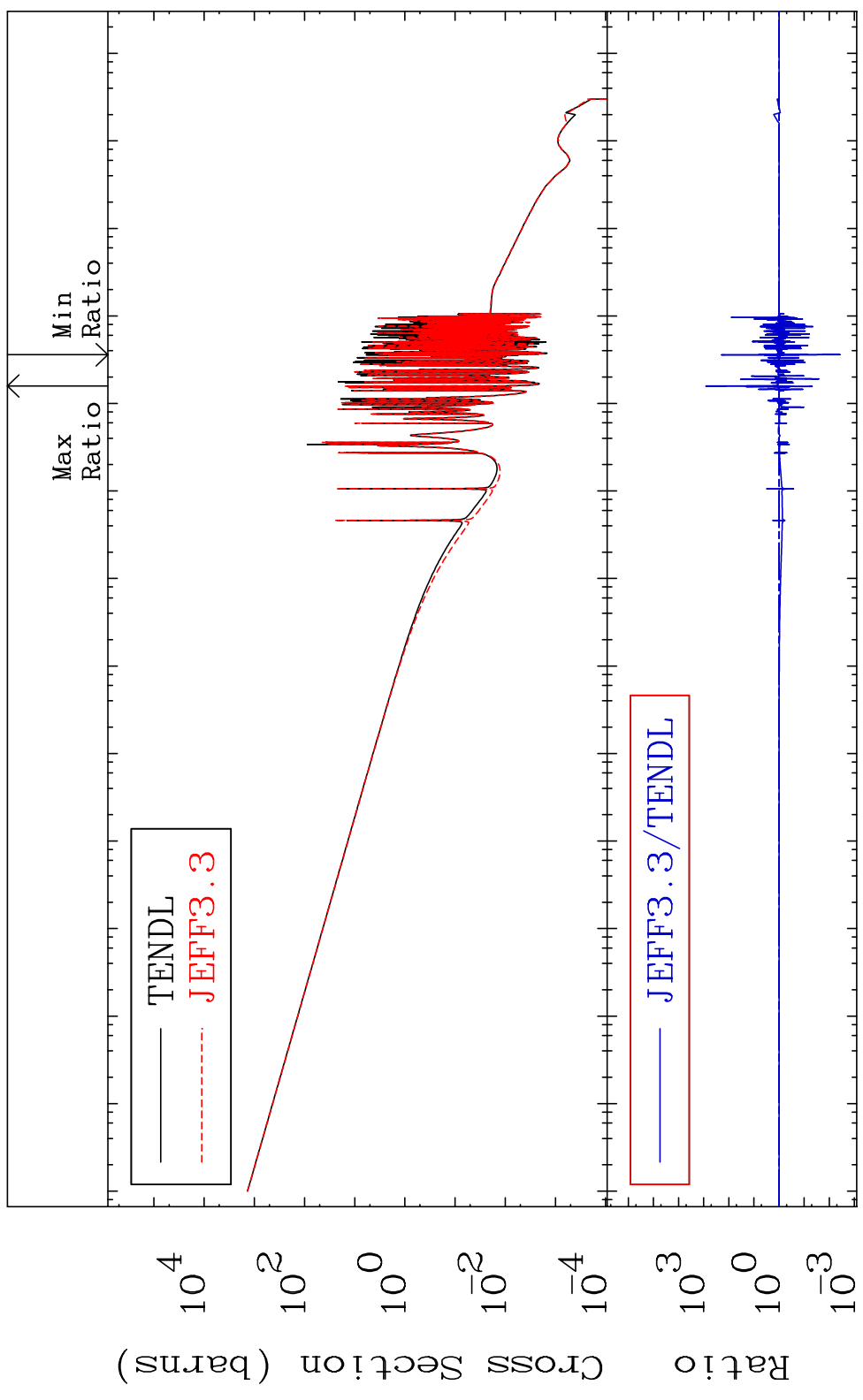


MAT 2125

(n, γ)

21-Sc-45

Cross Section -99.64 To 9999. %



39

Incident Energy (eV)

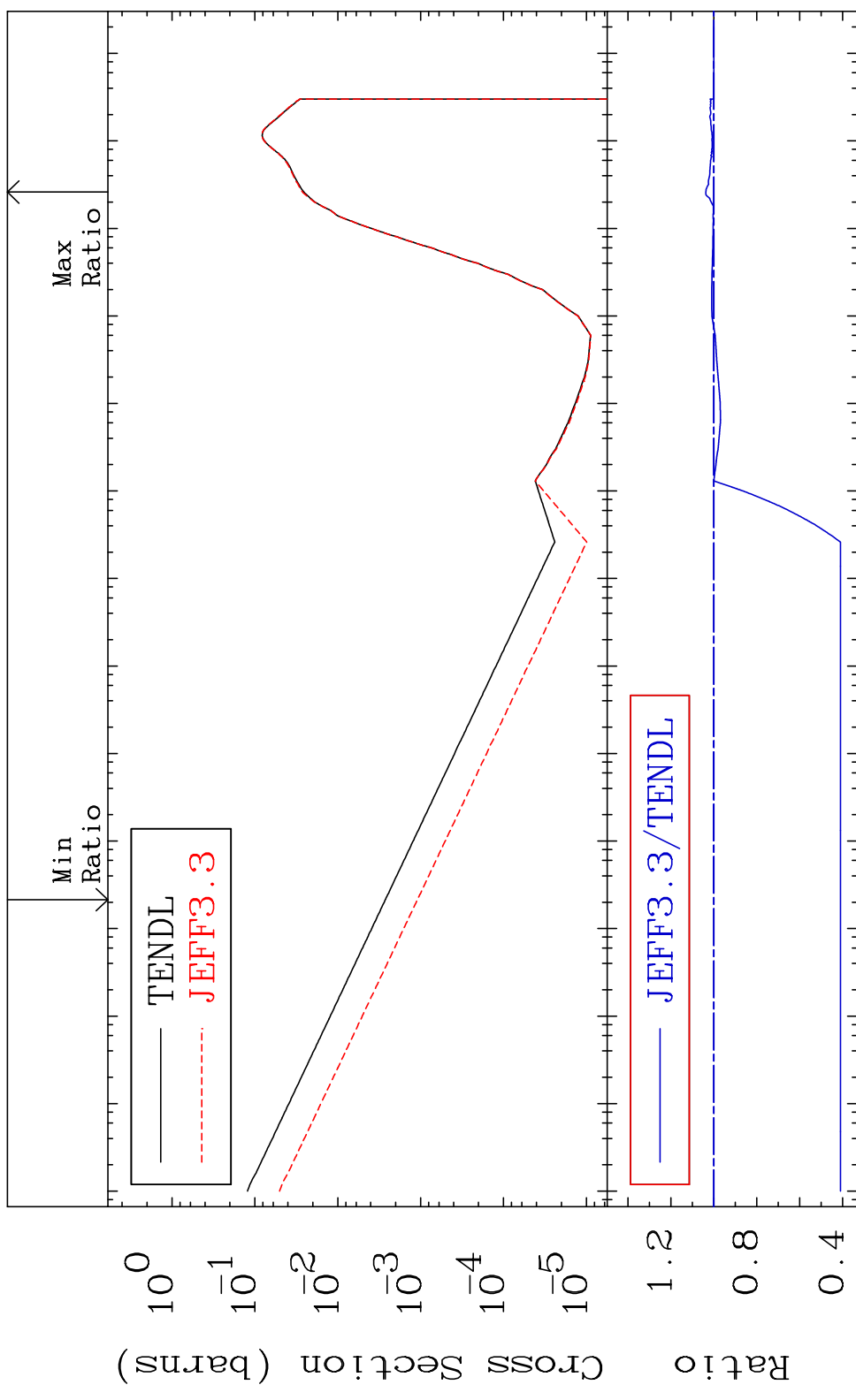
21-Sc-45

MAT 2125

(n, p)

21-Sc-45

Cross Section -58.94 To 3.763 %



40

Incident Energy (eV)

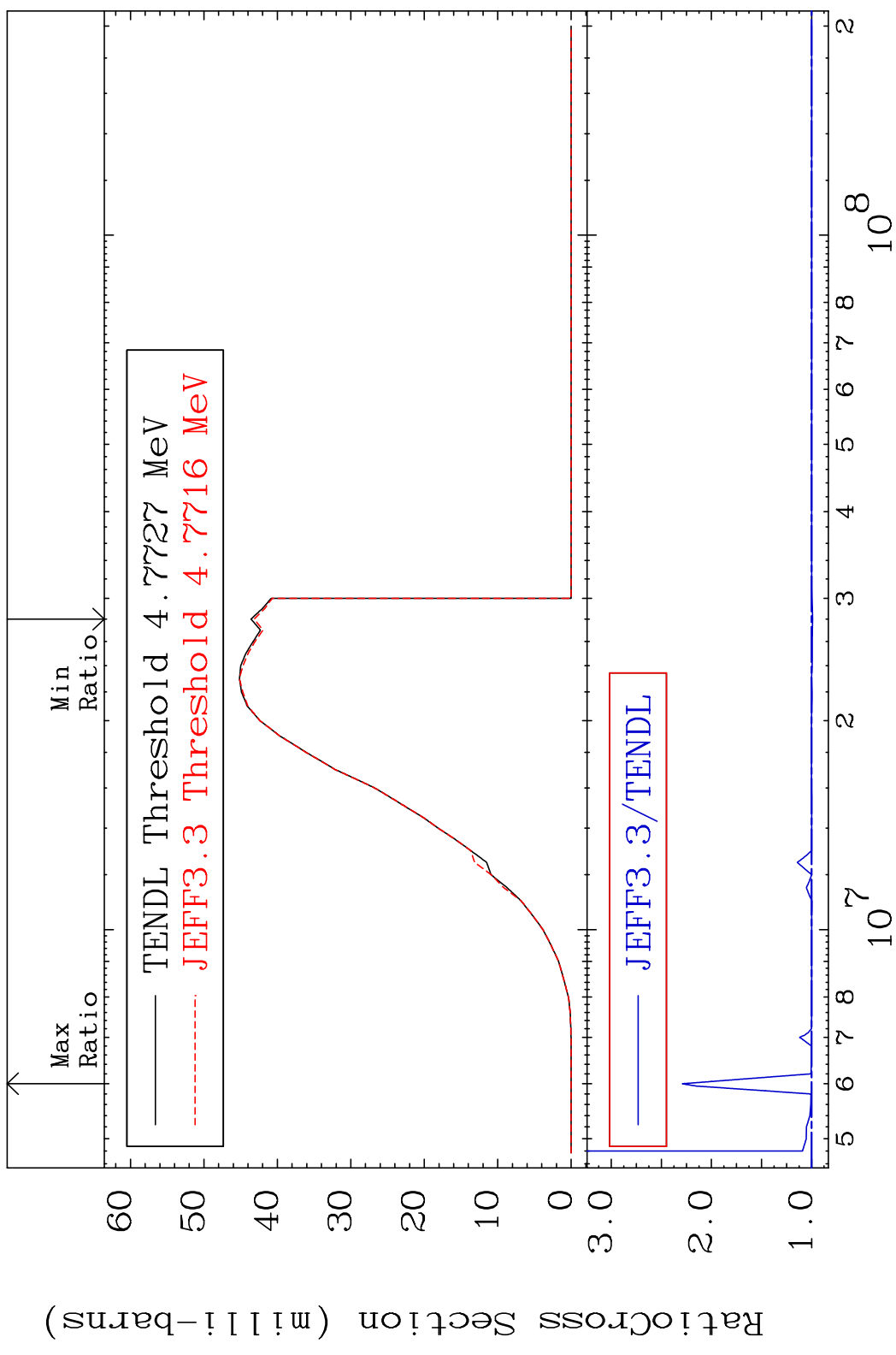
21-Sc-45

MAT 2125

(n, d)

²¹Sc-45

Cross Section -0.975 To 129.1 %

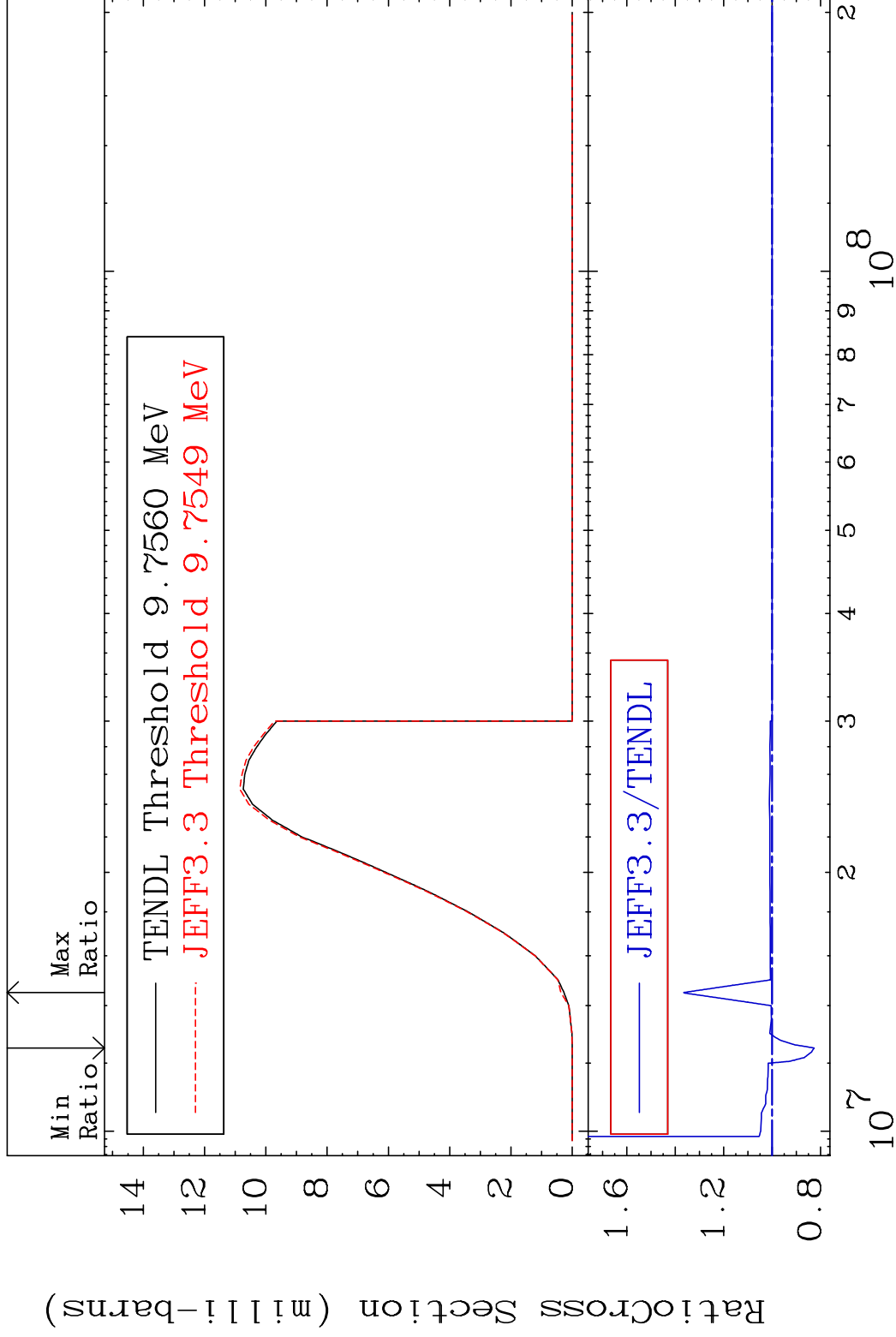


MAT 2125

(n, t)

21-Sc-45

Cross Section -17.32 To 36.54 %



42

Incident Energy (eV)

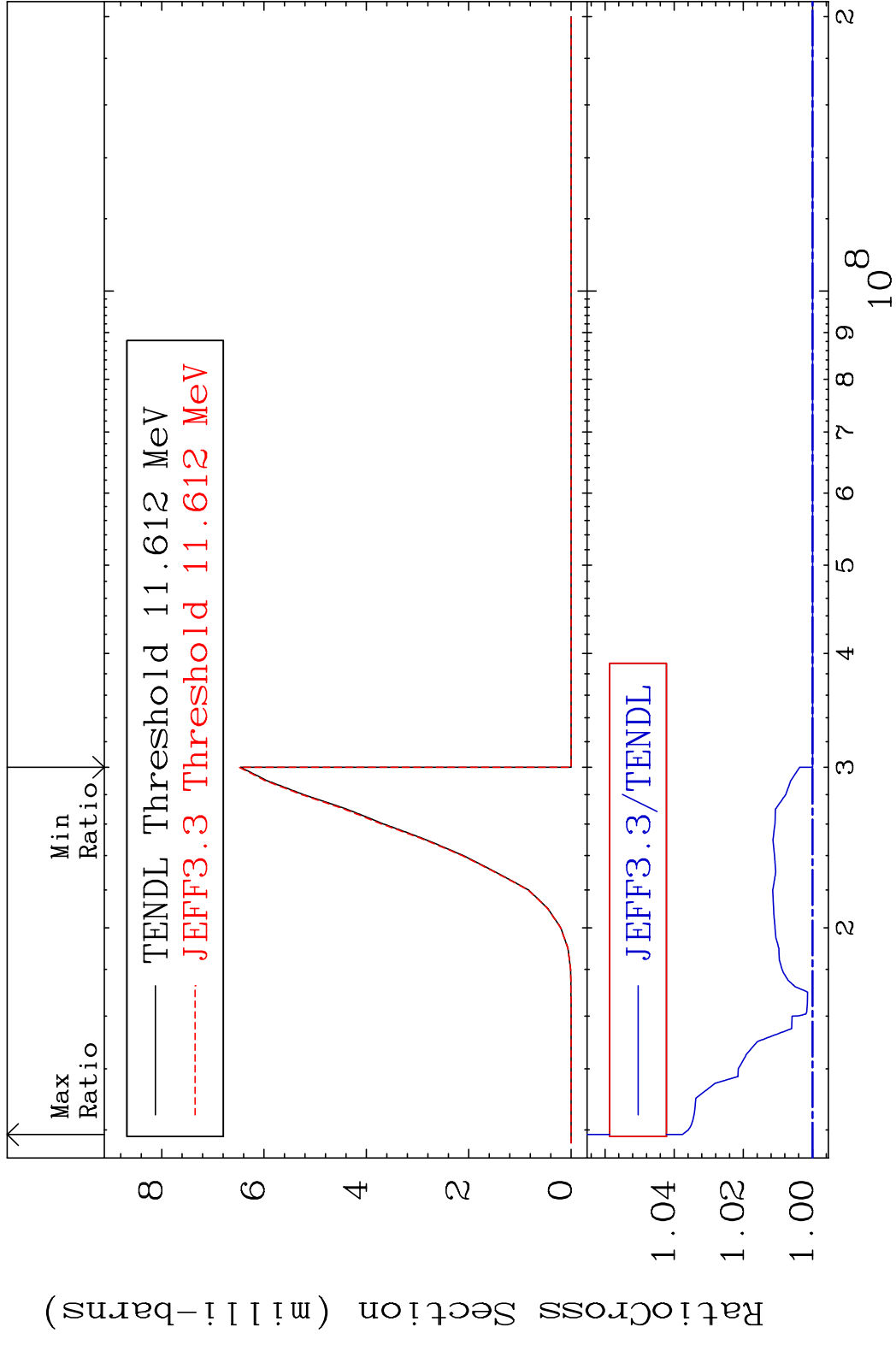
21-Sc-45

MAT 2125

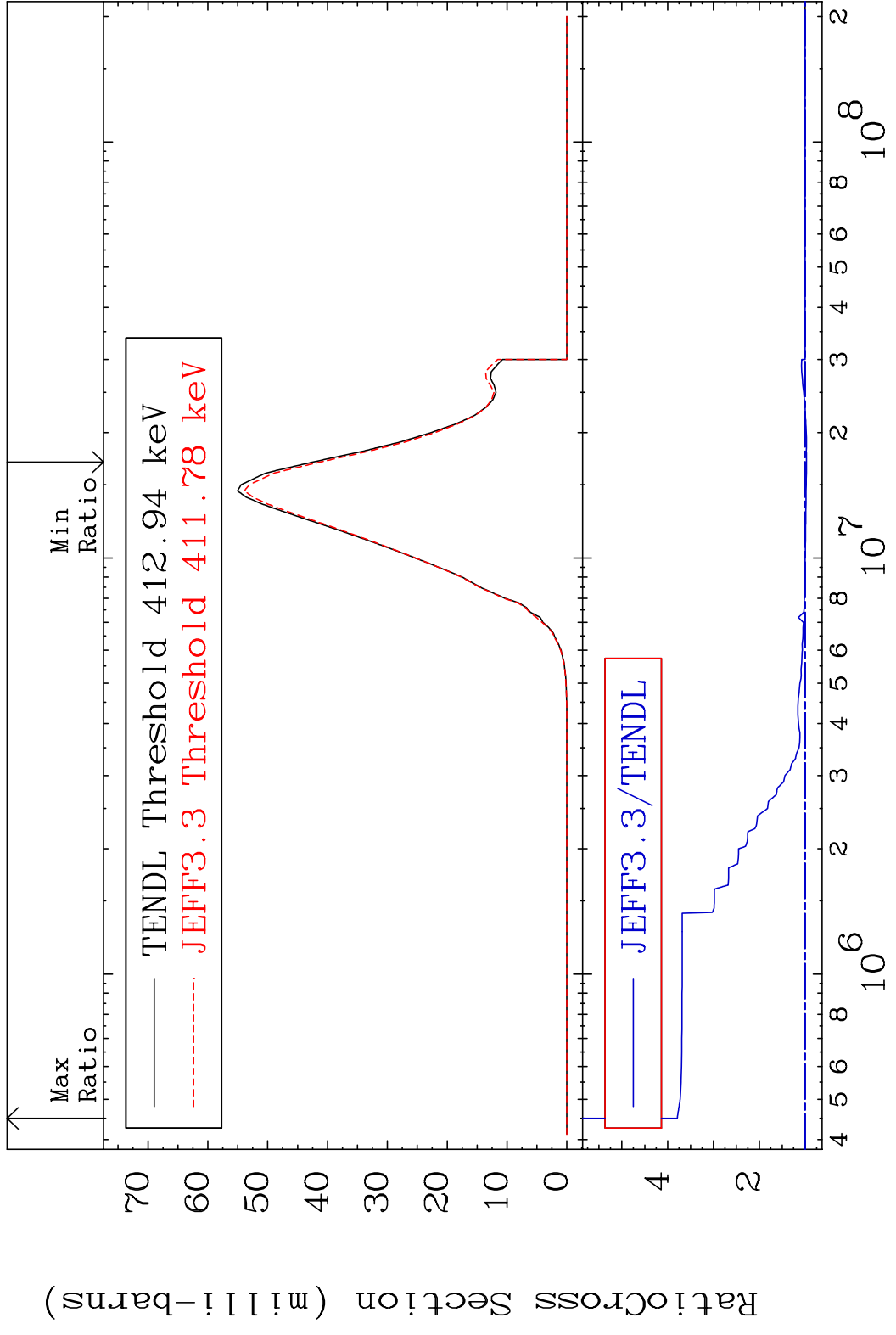
(n, He-3)

21-Sc-45

Cross Section 0.000 To 3.764 %



MAT 2125 (n, α) 21-Sc-45
 Cross Section -2.877 To 279.2 %



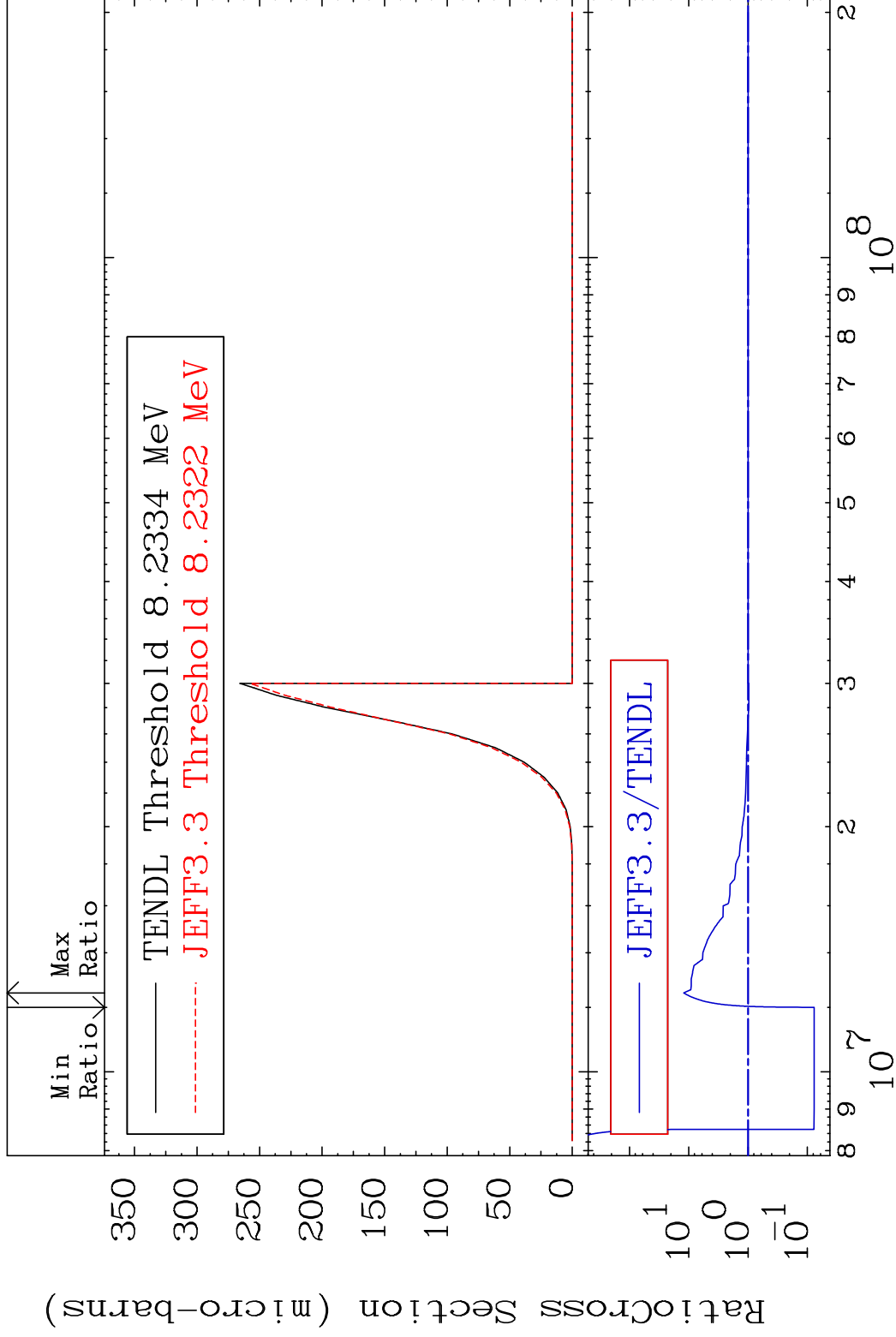
44 21-Sc-45

MAT 2125

(n,2α)

21-Sc-45

Cross Section -92.30 To 1119. %



45

Incident Energy (eV)

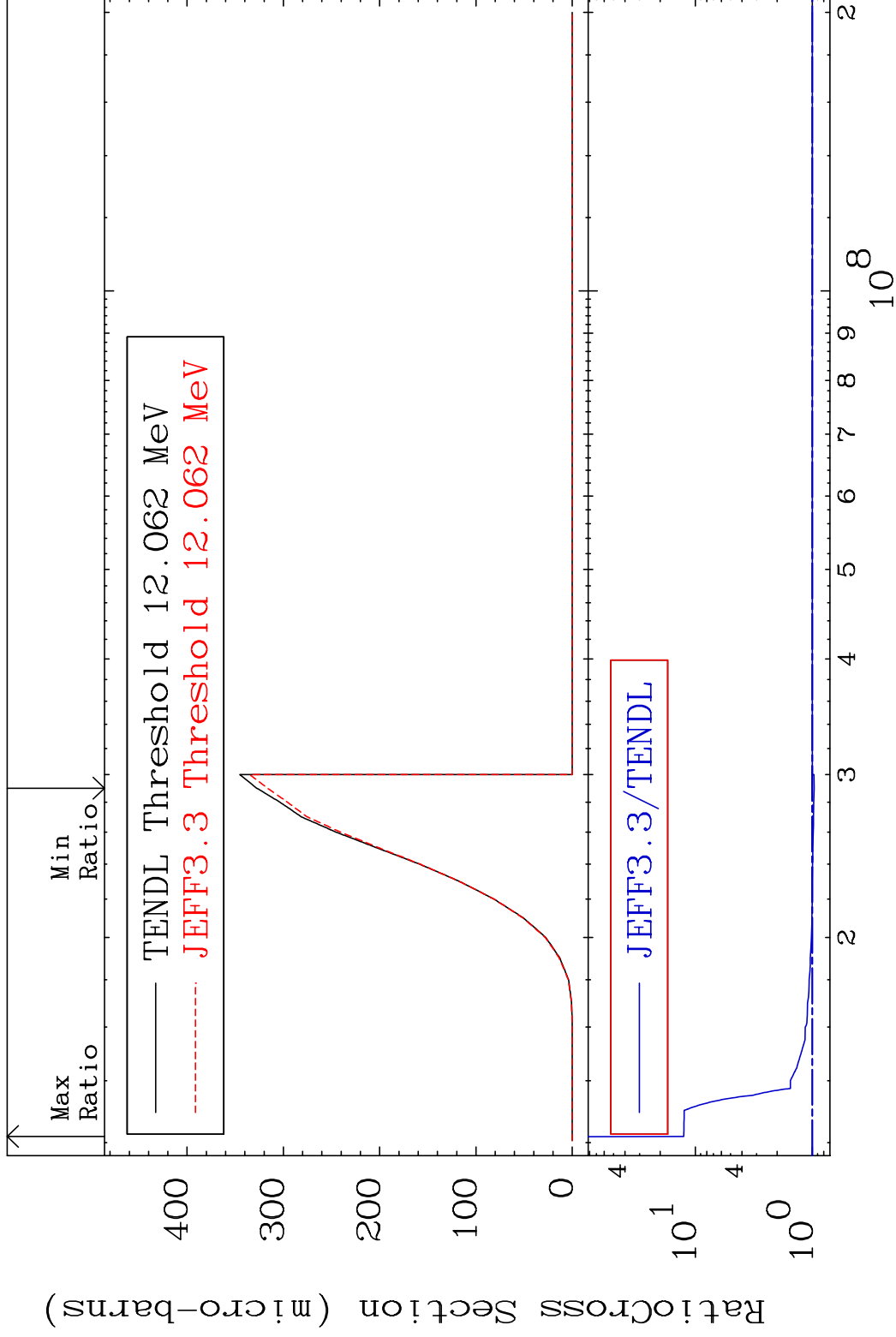
21-Sc-45

MAT 2125

(n,2p)

21-Sc-45

Cross Section -3.421 To 1158. %



46

Incident Energy (eV)

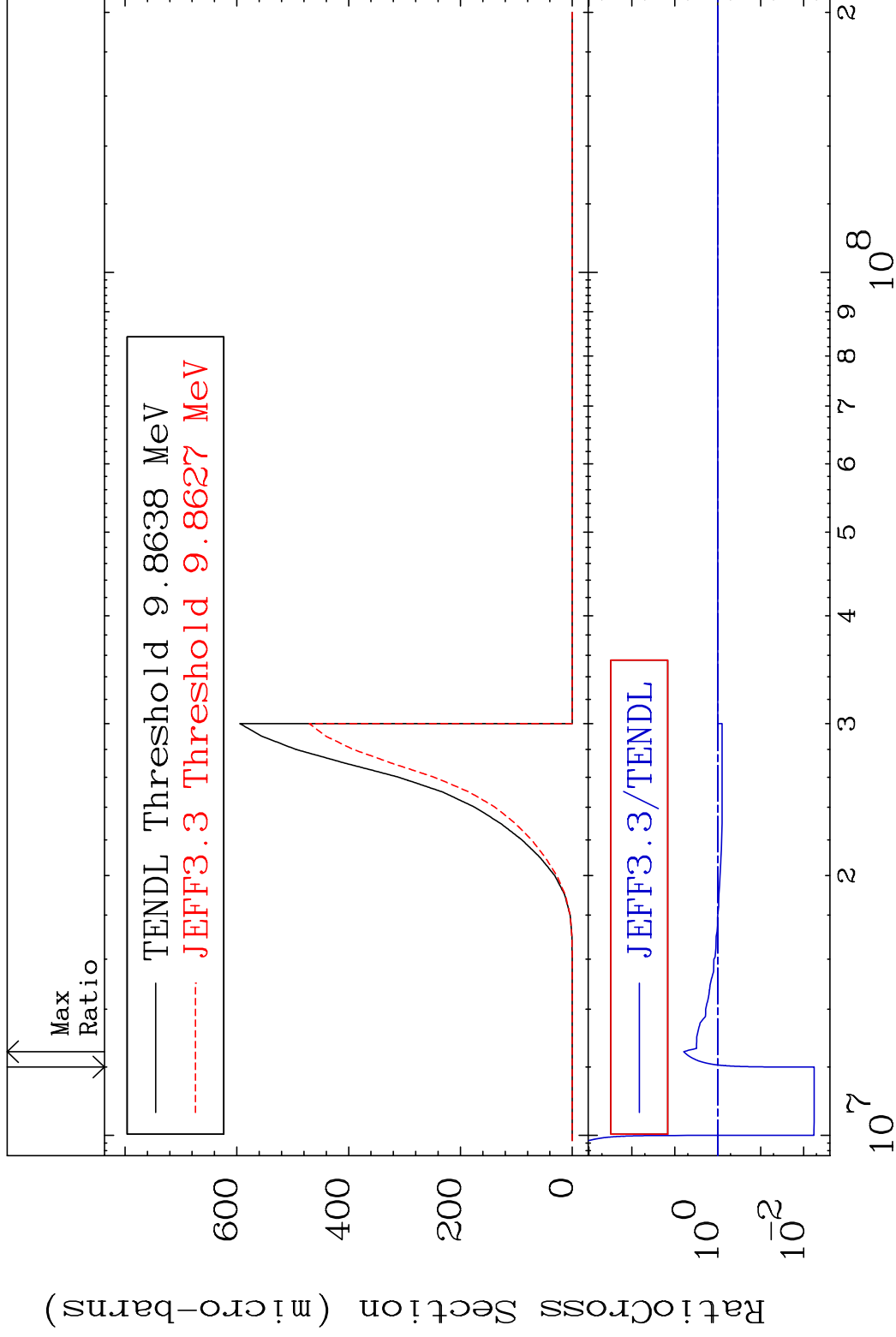
21-Sc-45

MAT 2125

(n,p) α

21-Sc-45

Cross Section -99.43 To 521.6 %



47

Incident Energy (eV)

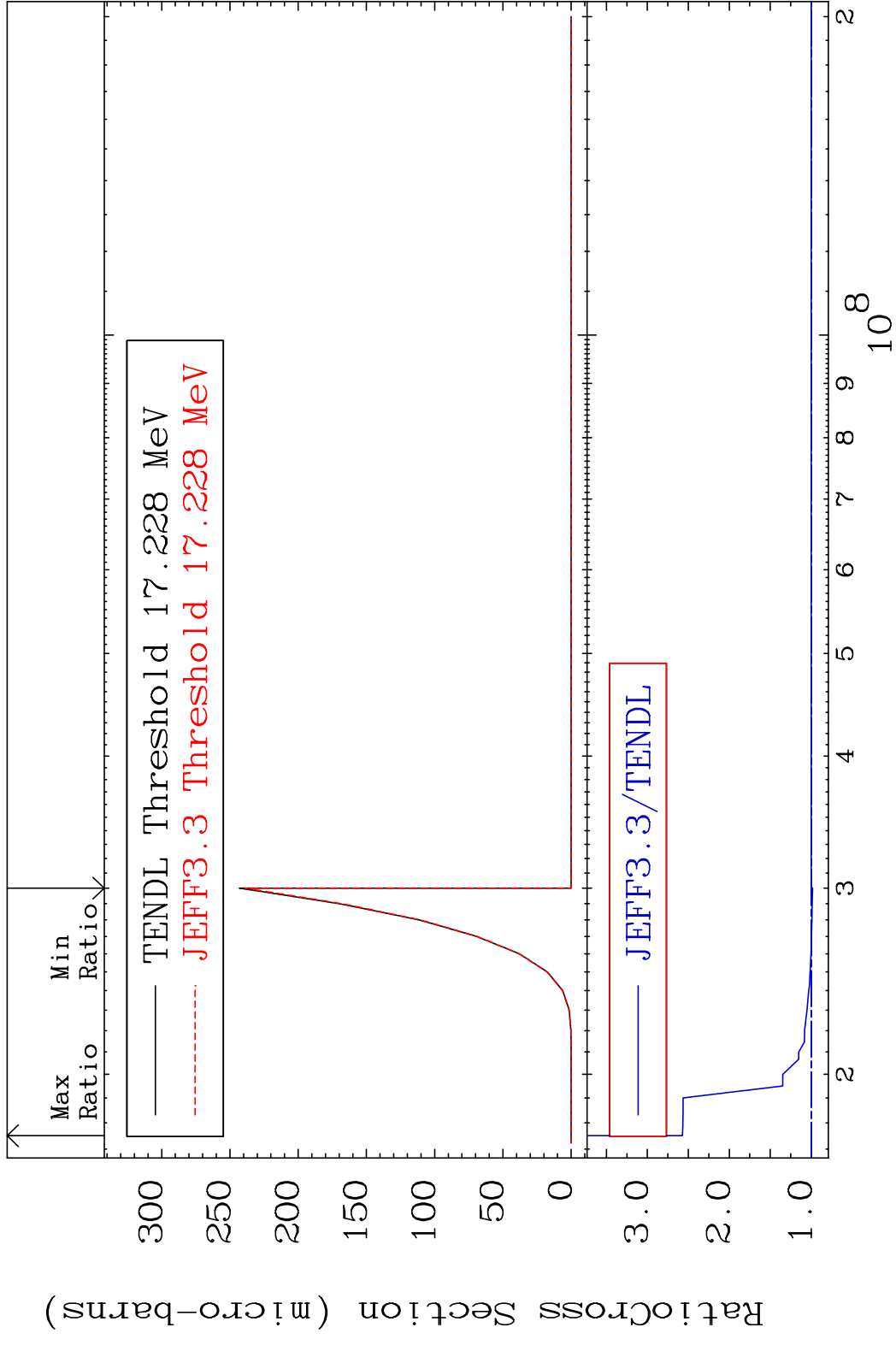
21-Sc-45

MAT 2125

(n,p) d

21-Sc-45

Cross Section -1.645 To 157.3 %

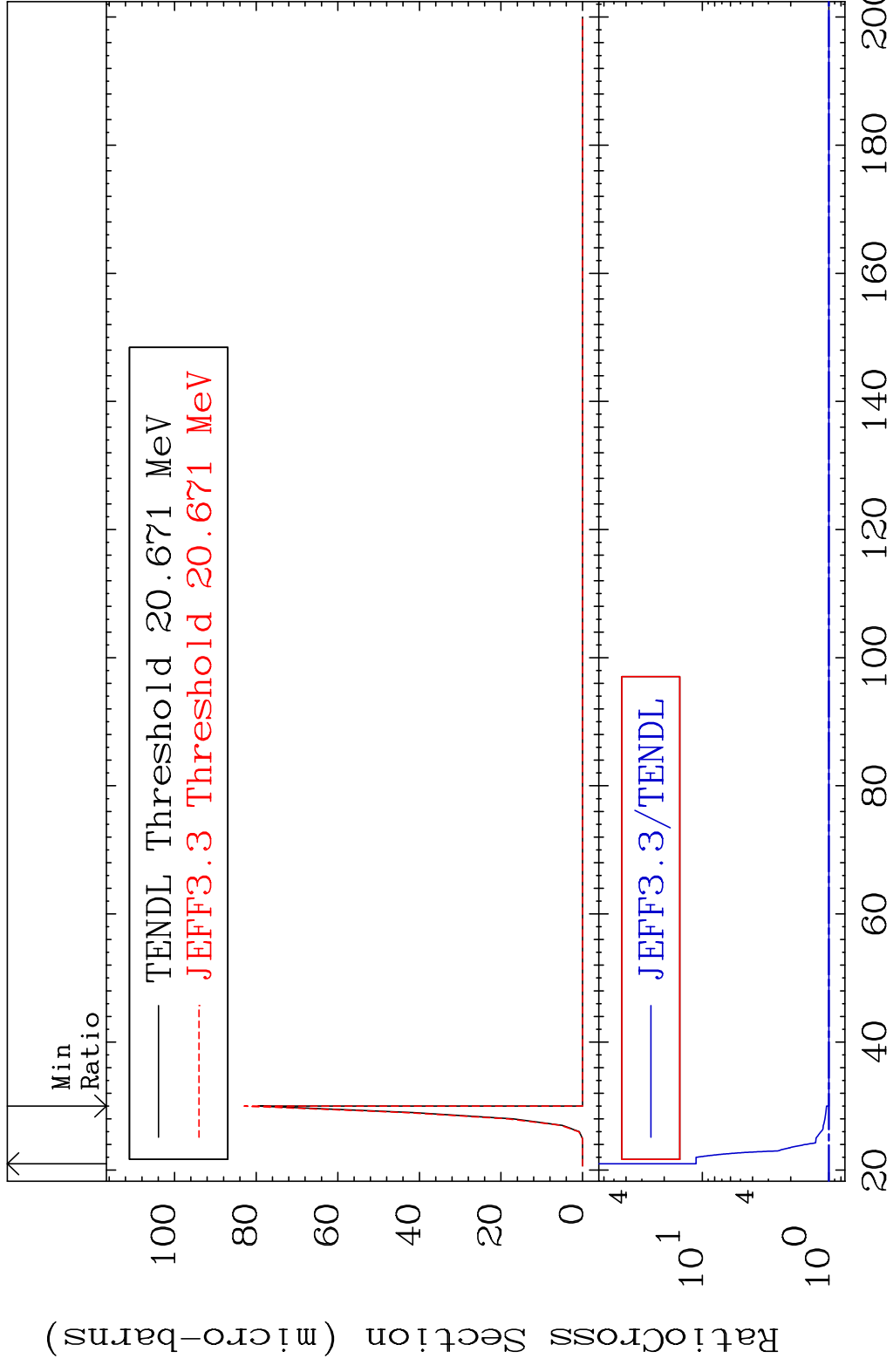


MAT 2125

(n,p) t

21-Sc-45

Cross Section 0.000 To 1021. %

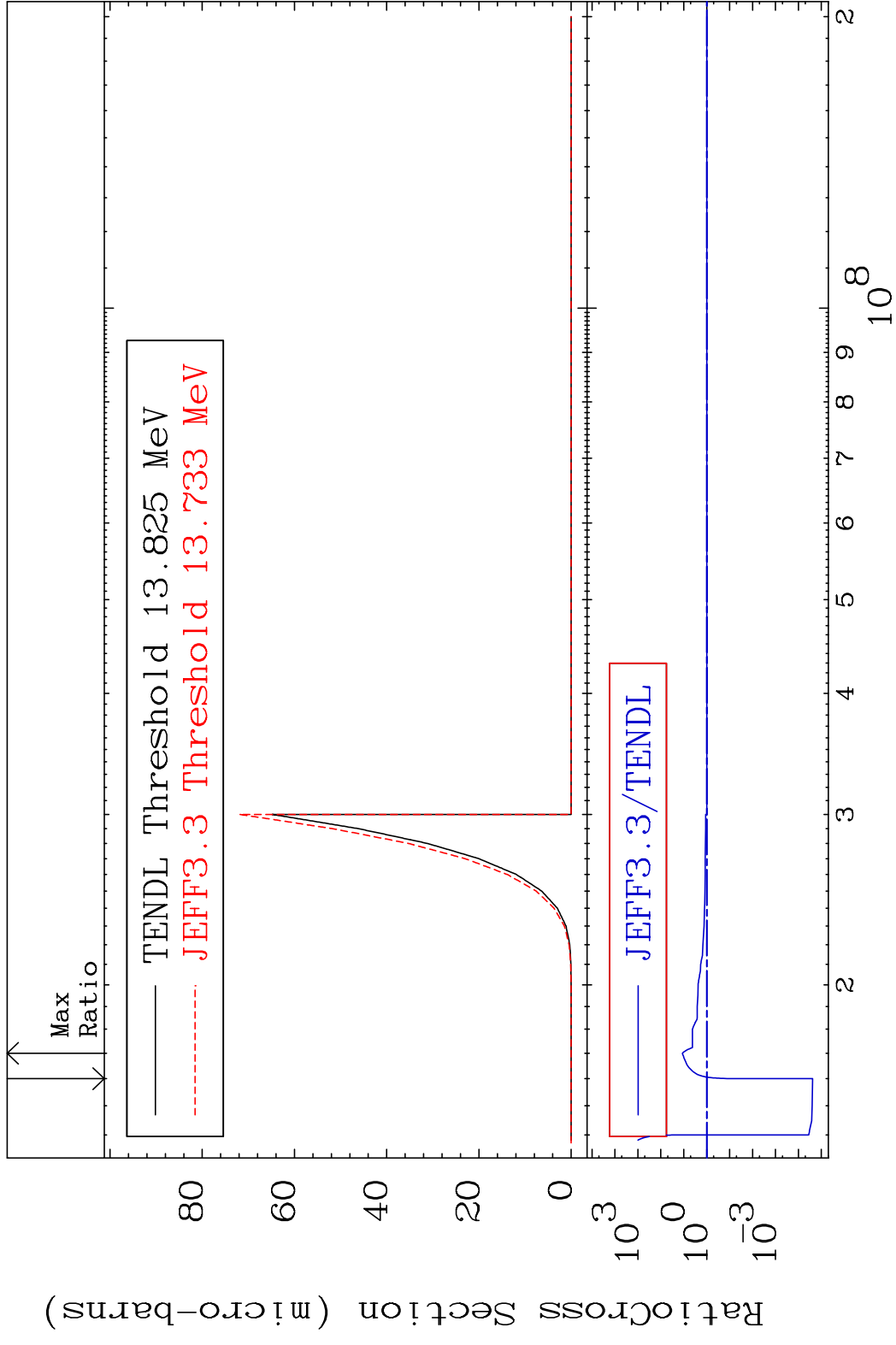


MAT 2125

(n,d) α

21-Sc-45

Cross Section -100.0 To 1050. %

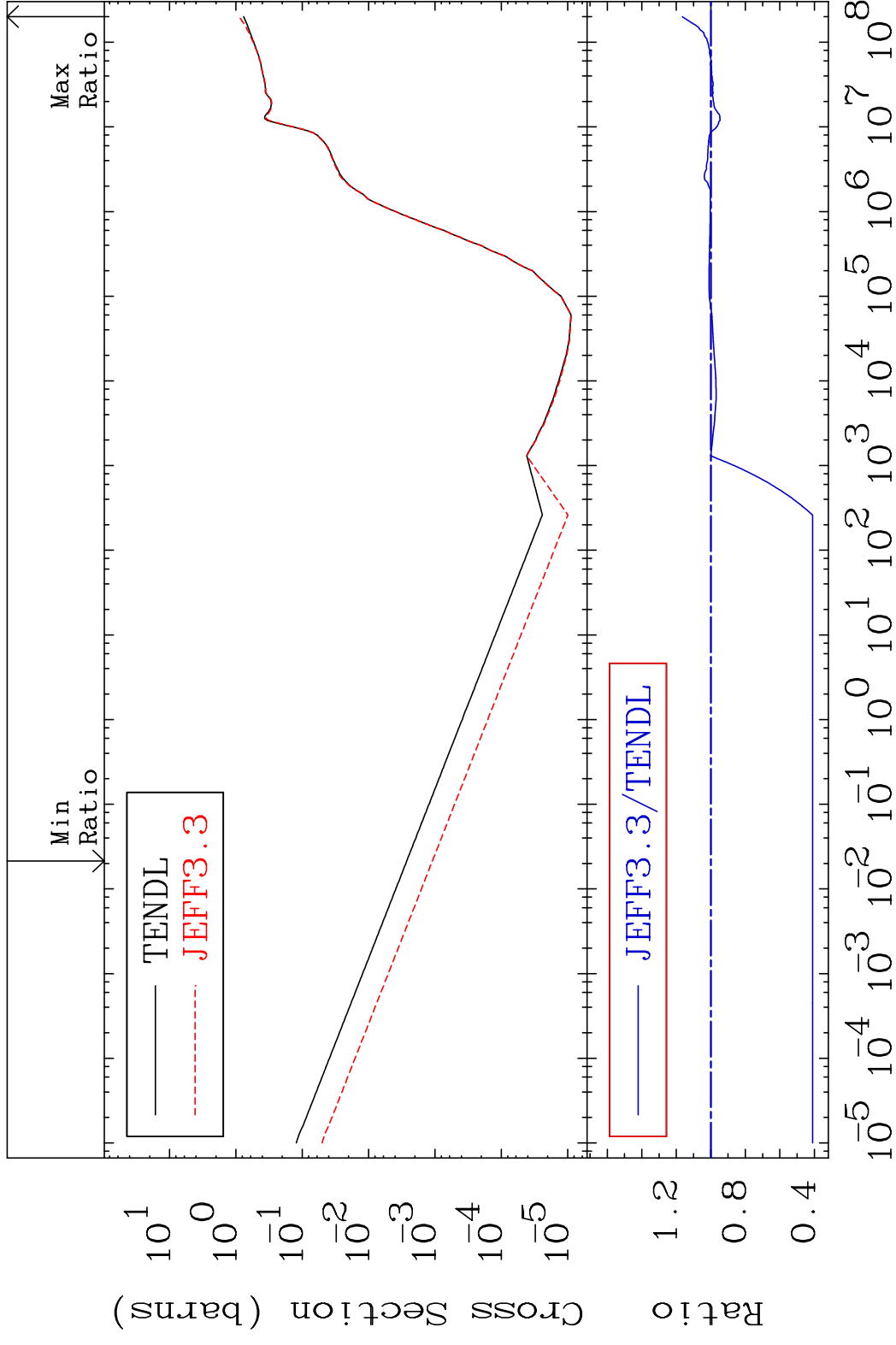


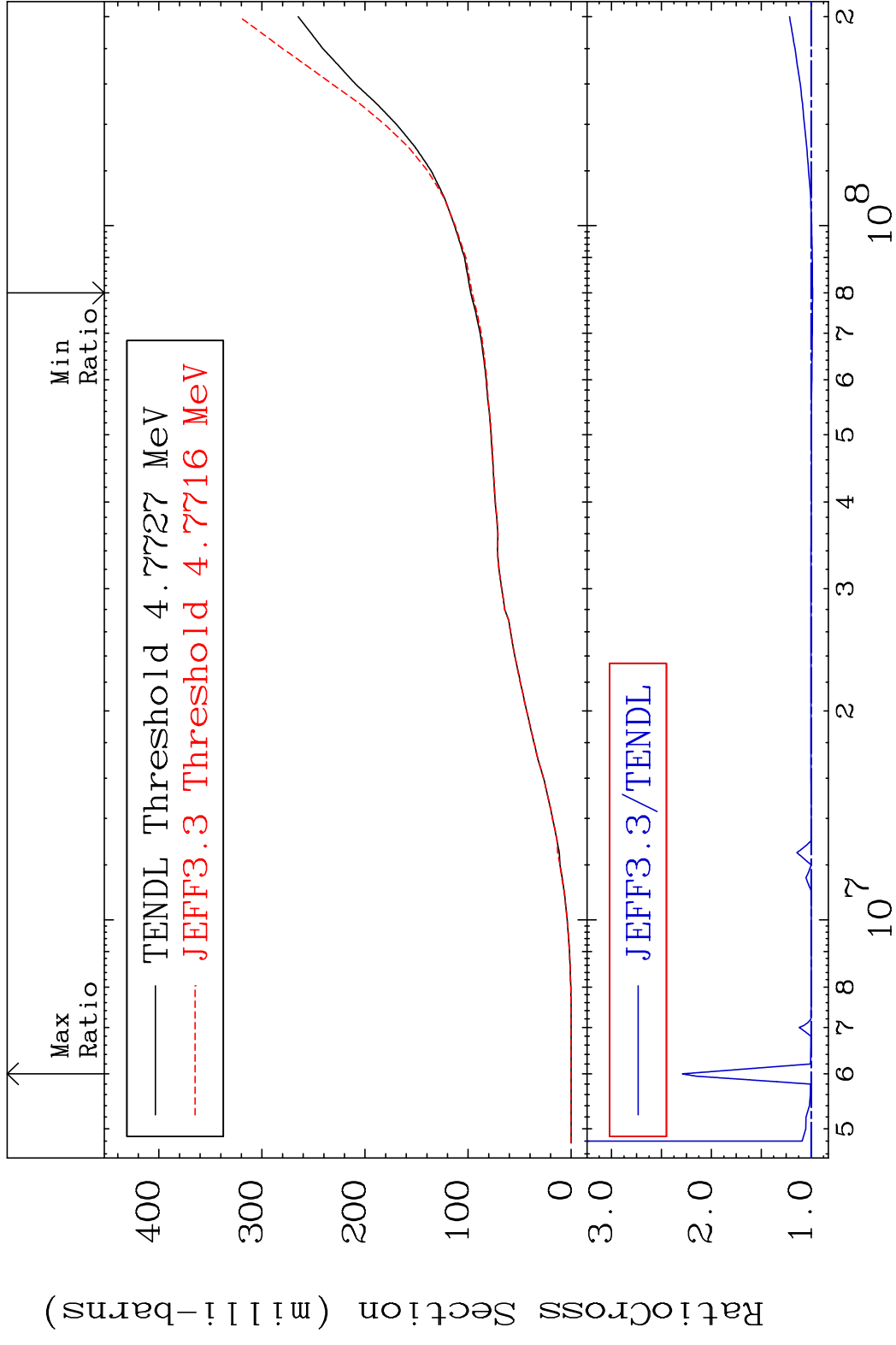
50

Incident Energy (eV)

21-Sc-45

MAT 2125 Hydrogen Production 21-Sc-45
 Cross Section -58.94 To 16.50 %



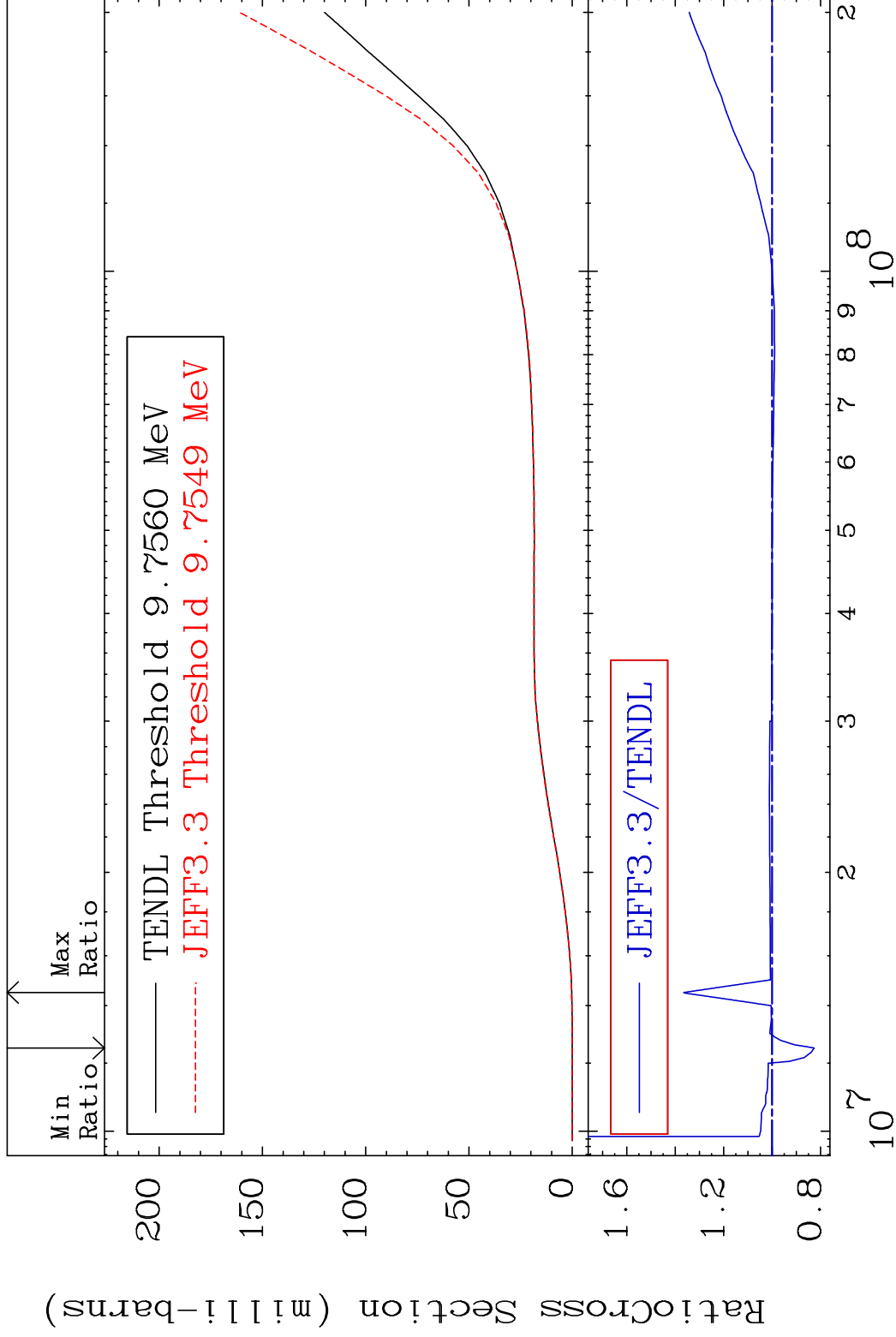


MAT 2125

Tritium Production

21-Sc-45

Cross Section -17.32 To 36.54 %



53

Incident Energy (eV)

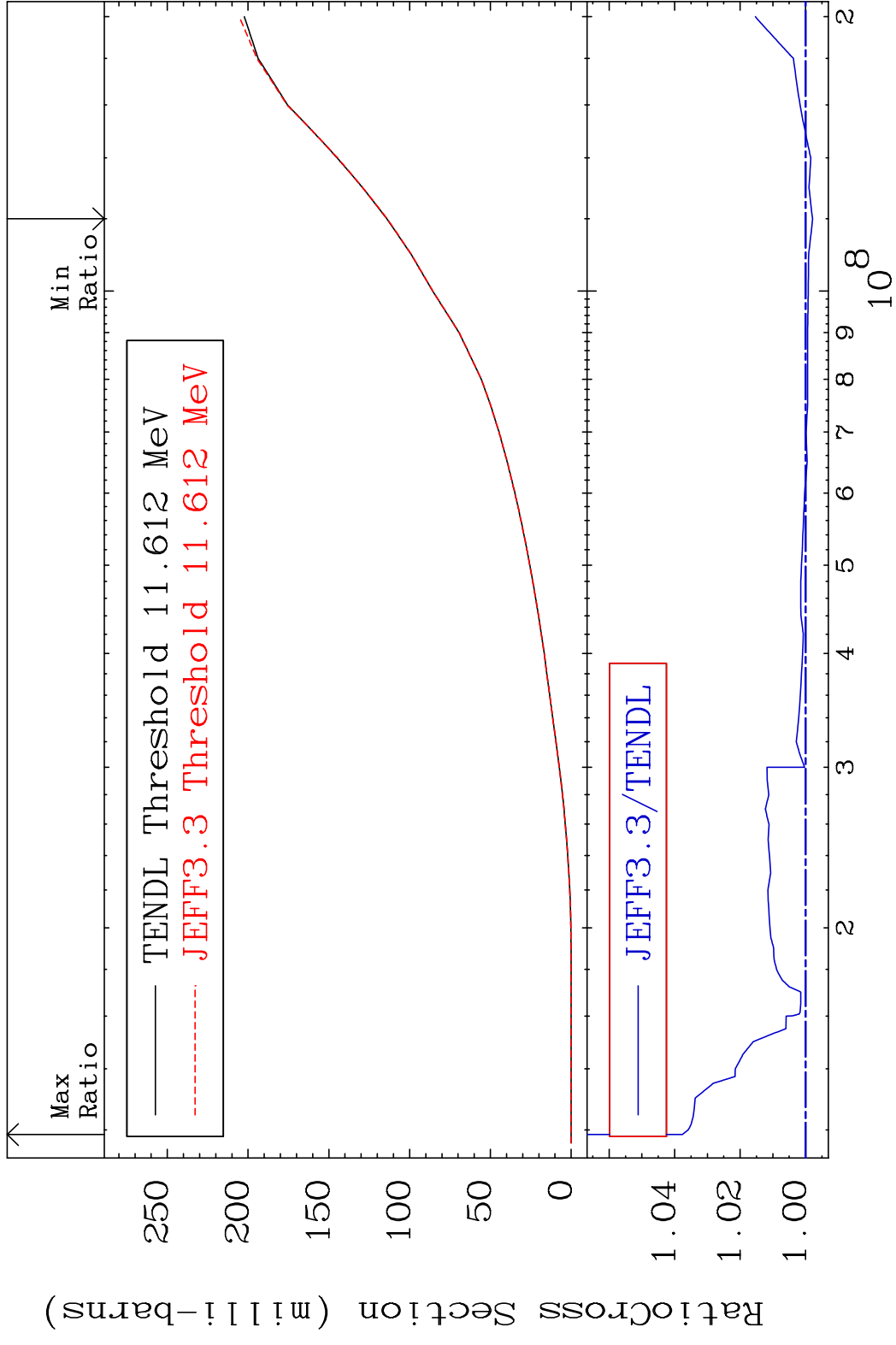
21-Sc-45

MAT 2125

He-3 Production

21-Sc-45

Cross Section -0.213 To 3.764 %

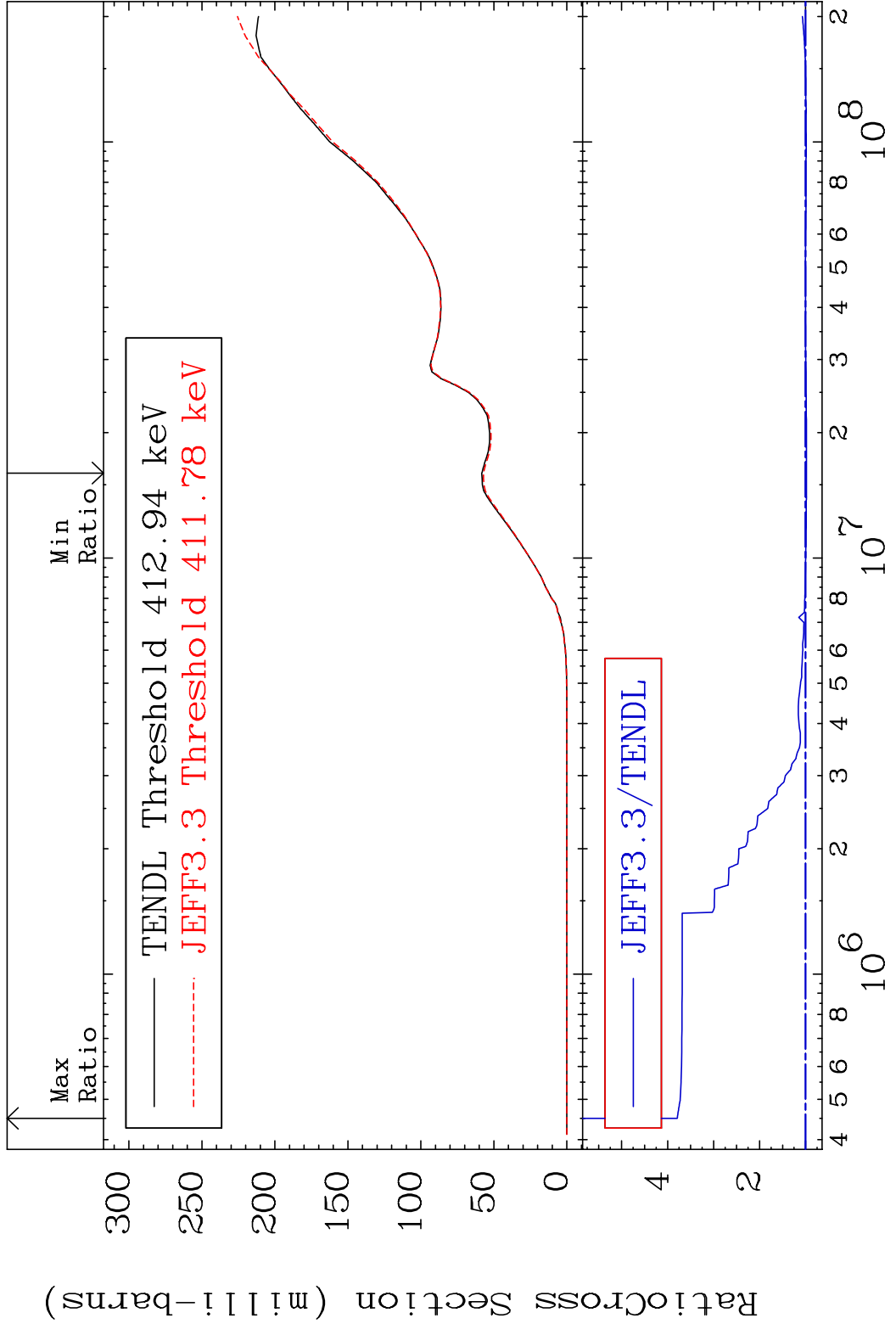


MAT 2125

He-4 Production

21-Sc-45

Cross Section -1.779 To 279.2 %

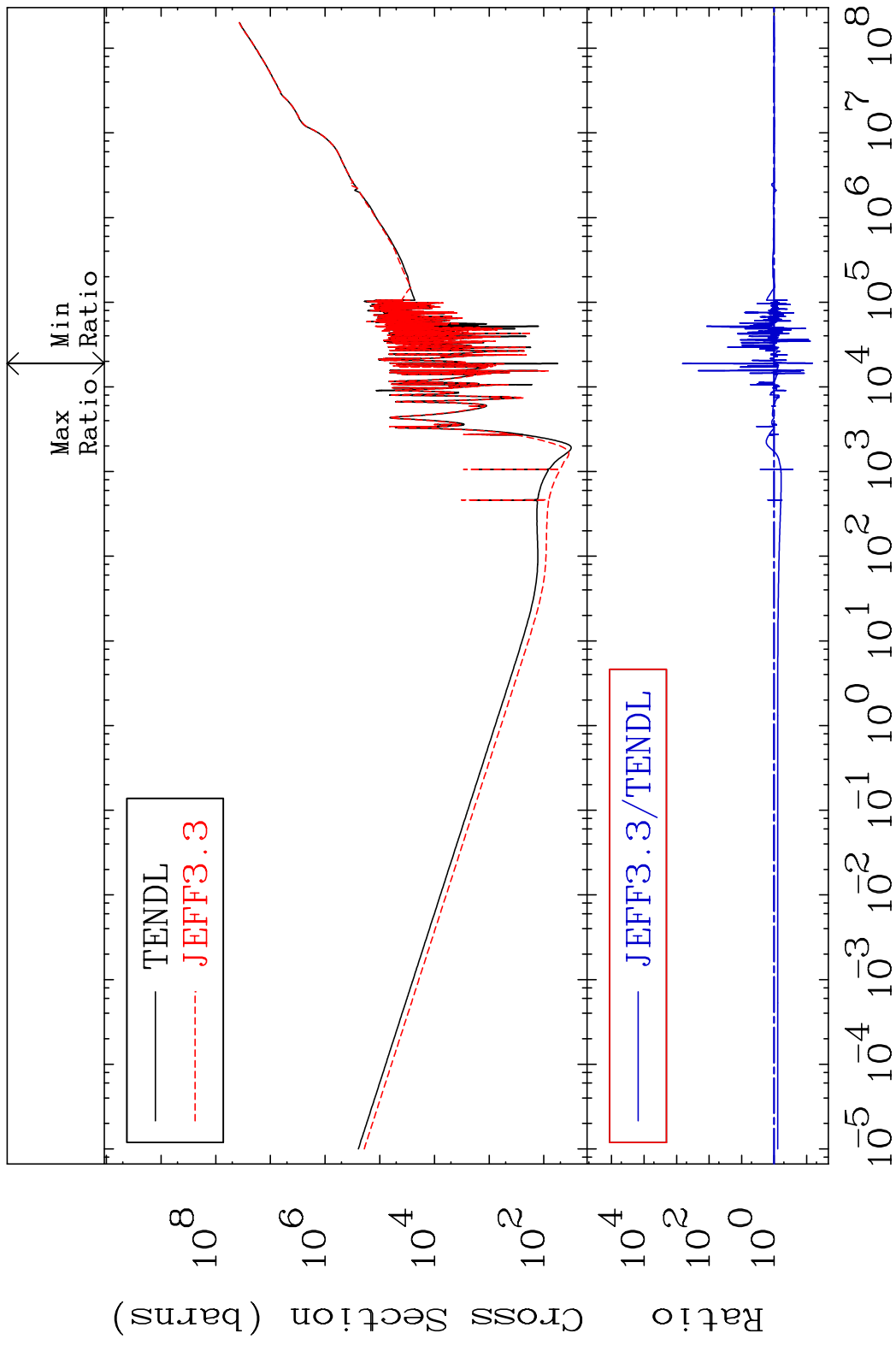


55

Incident Energy (eV)

21-Sc-45

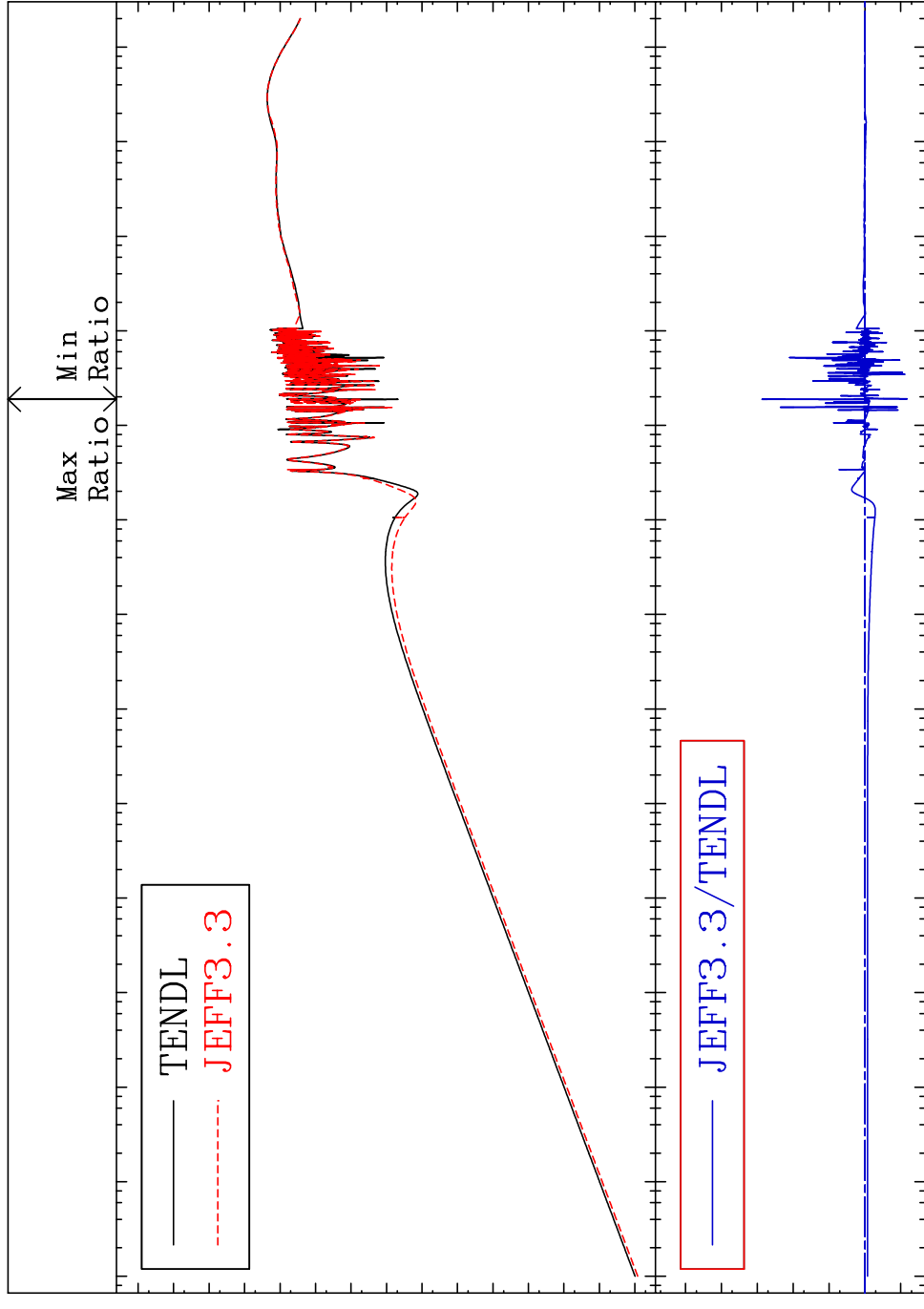
MAT 2125 Kerma total (eV-barns) 21-Sc-45
 Cross Section -93.39 To 9999. %



MAT 2125

Kerma elastic
Cross Section

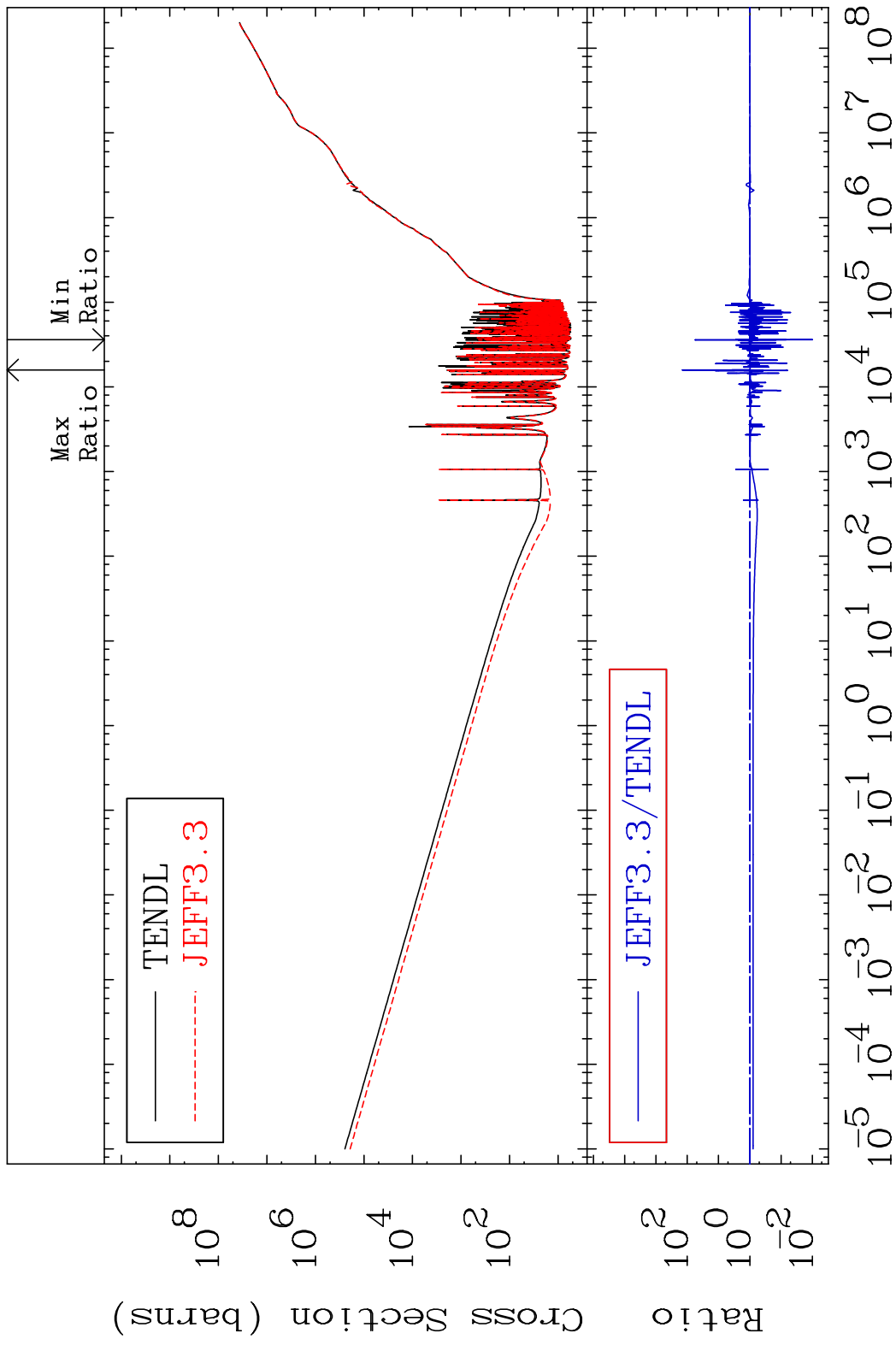
21-Sc-45
-93.39 To 9999. %



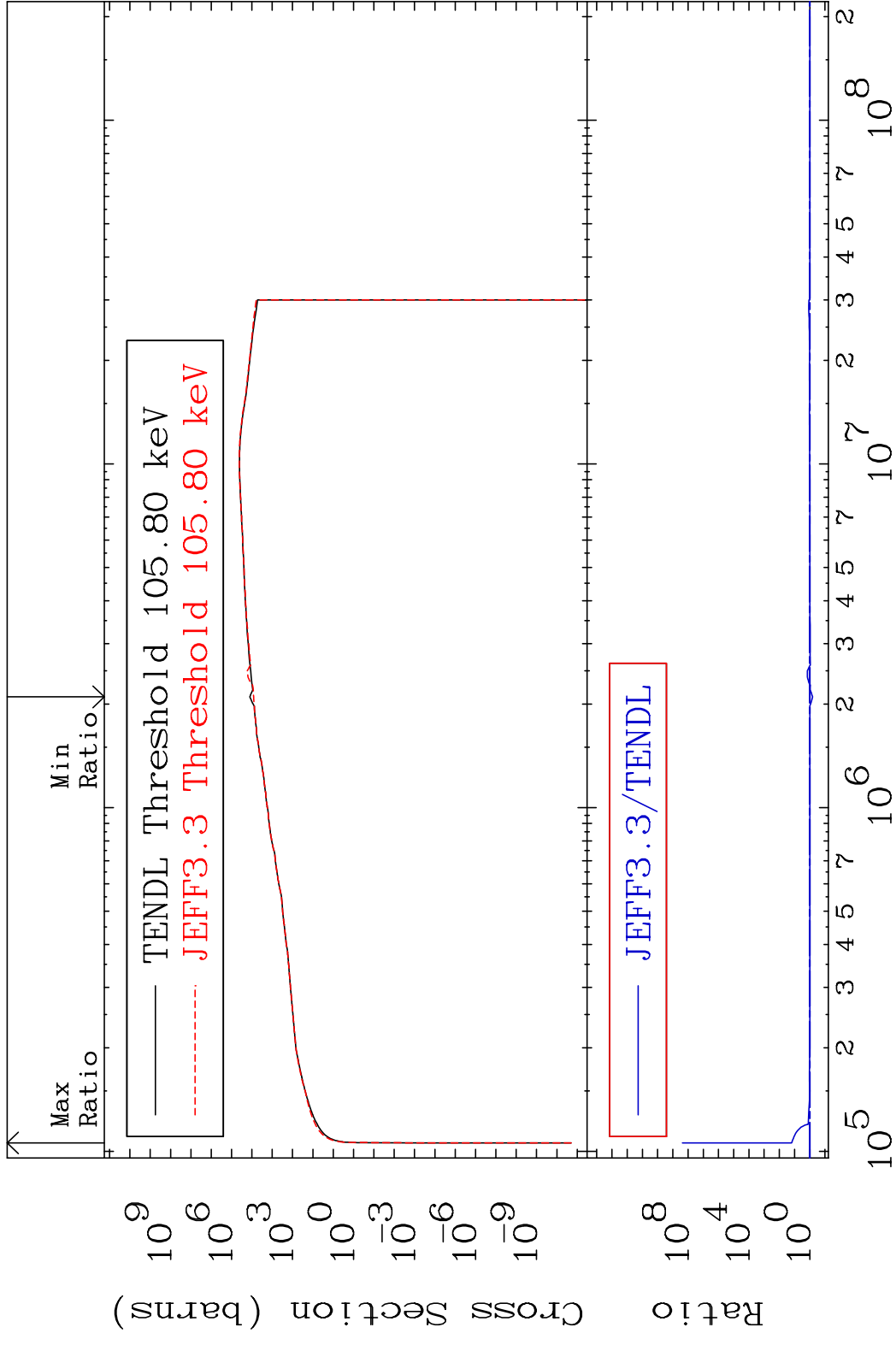
Cross Section (barns)
Ratio

Incident Energy (eV)

MAT 2125 Kerma non-elastic (all but mt2) 21-Sc-45
 Cross Section -99.02 To 9999. %

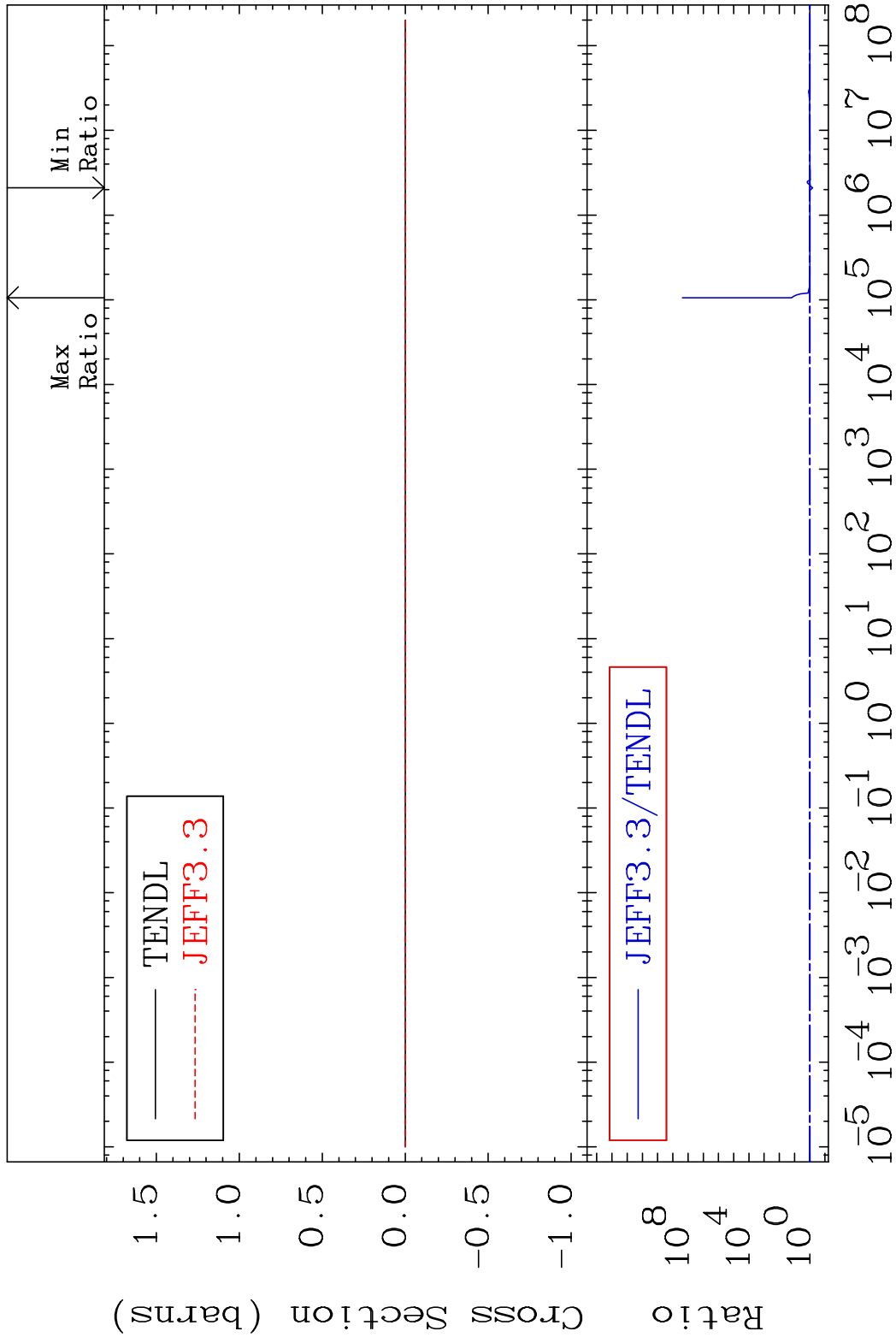


MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45
 Cross Section -34.13 To 9999. %

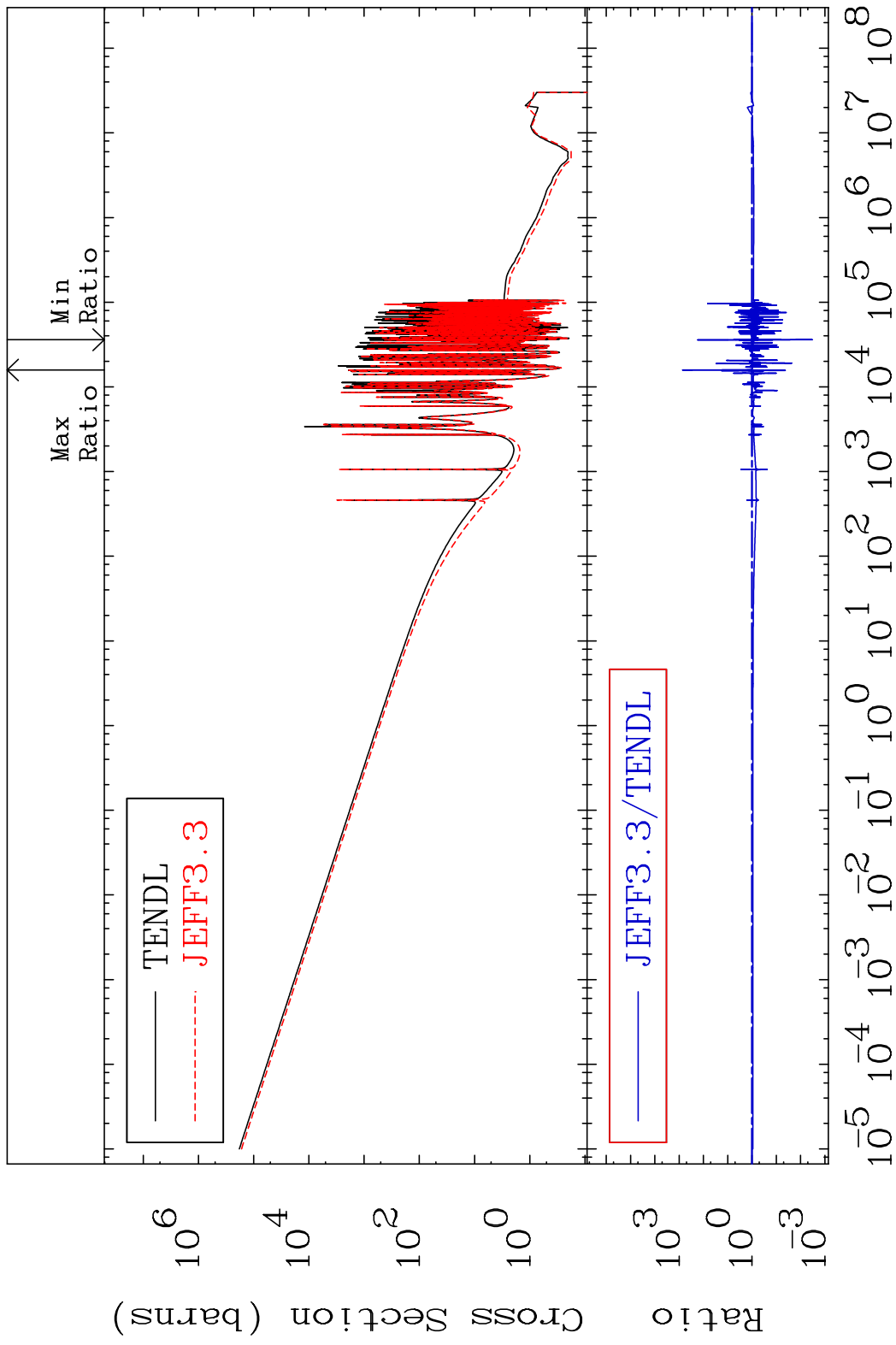


59 Incident Energy (eV) 21-Sc-45

MAT 2125 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-45
 Cross Section -34.13 To 9999. %

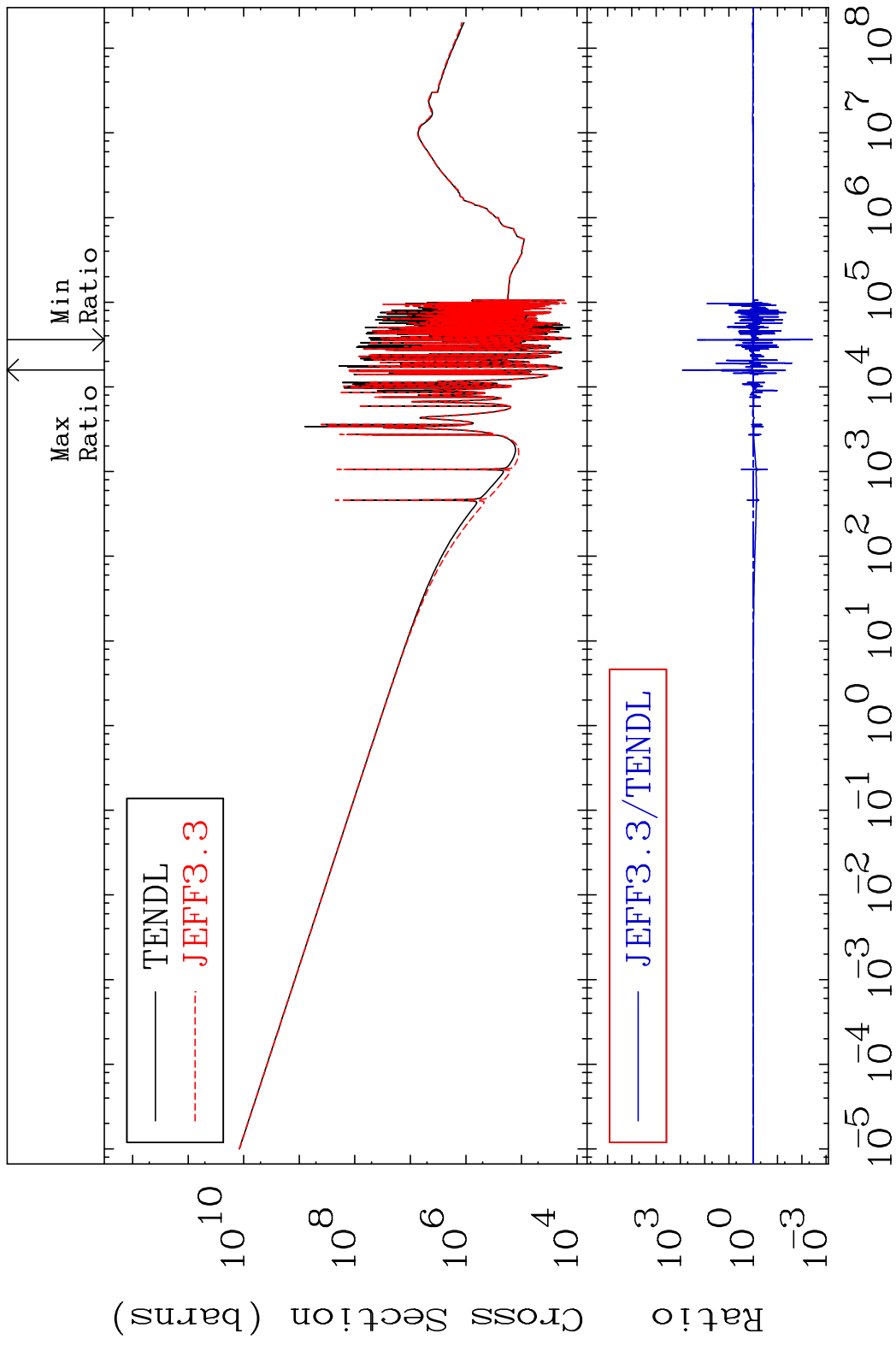


MAT 2125 Kerma capture (mt102) 21-Sc-45
 Cross Section -99.68 To 9999. %



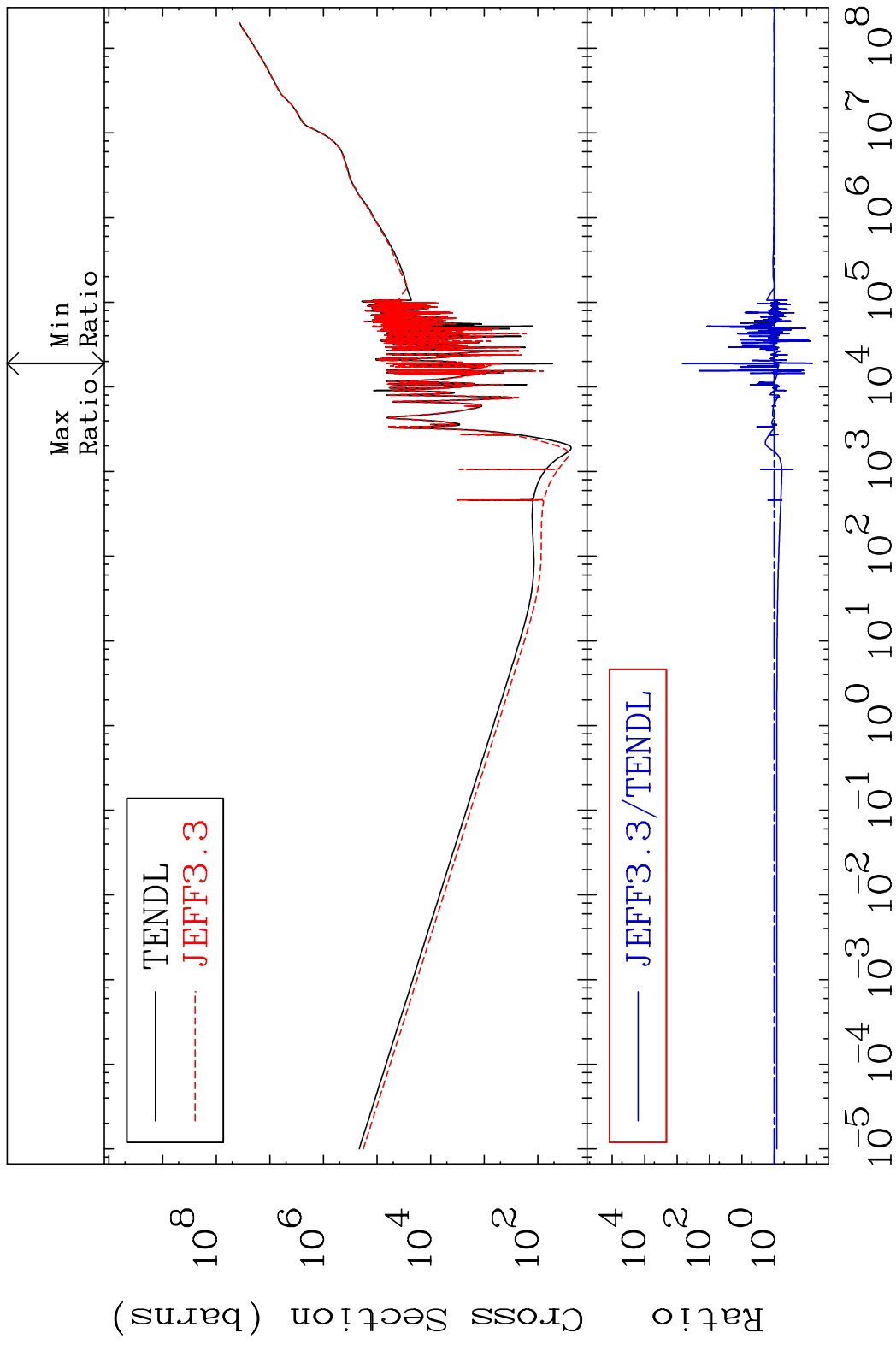
61 Incident Energy (eV) 21-Sc-45

MAT 2125 Total photon (eV-barns) 21-Sc-45
 Cross Section -99.64 To 9999. %



62 Incident Energy (eV) 21-Sc-45

MAT 2125 Total kinematic kerma (high limit) 21-Sc-45
 Cross Section -93.39 To 9999. %

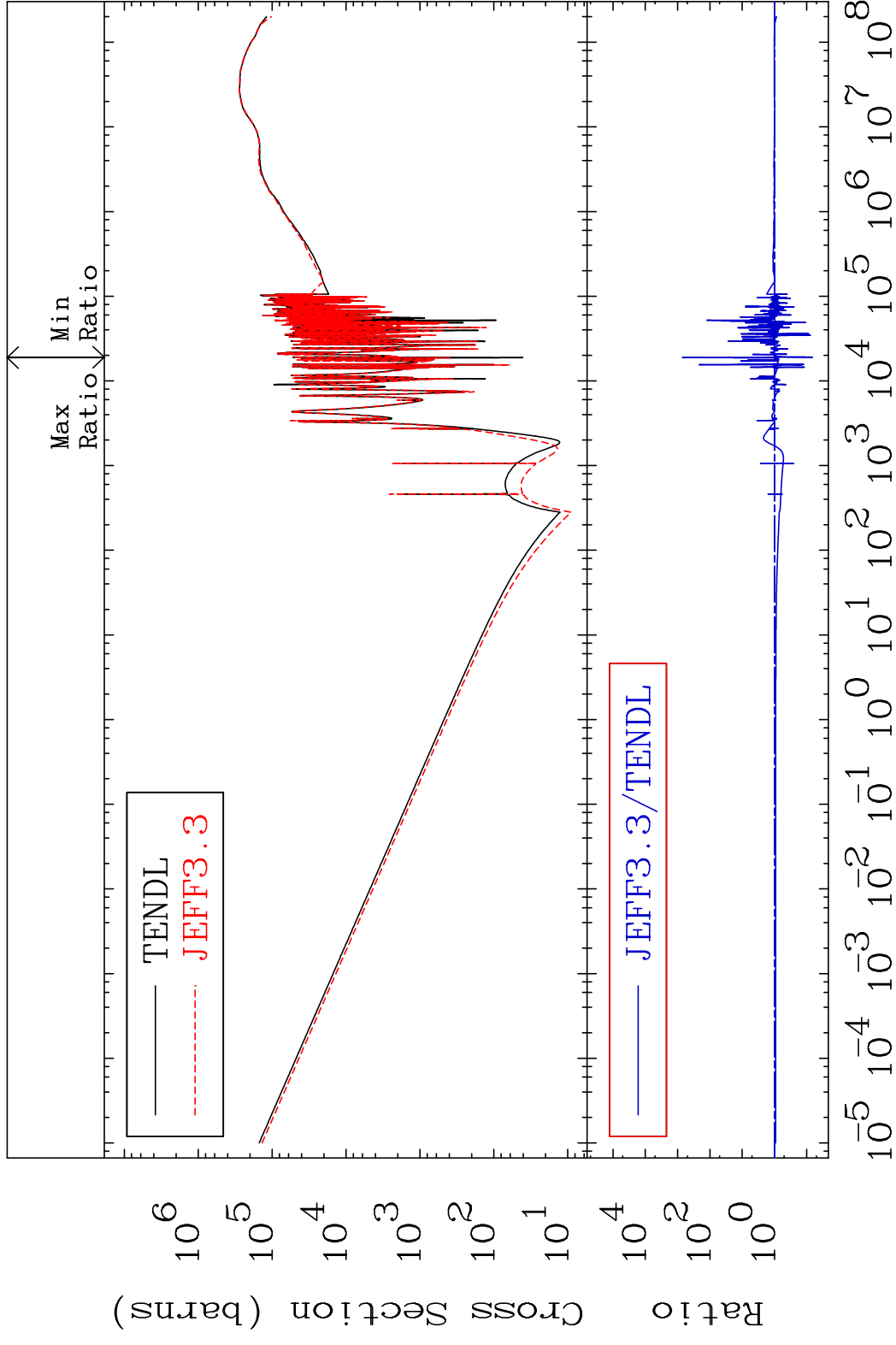


MAT 2125

Dpa total (eV-barns)

21-Sc-45

Cross Section -93.40 To 9999. %



64

Incident Energy (eV)

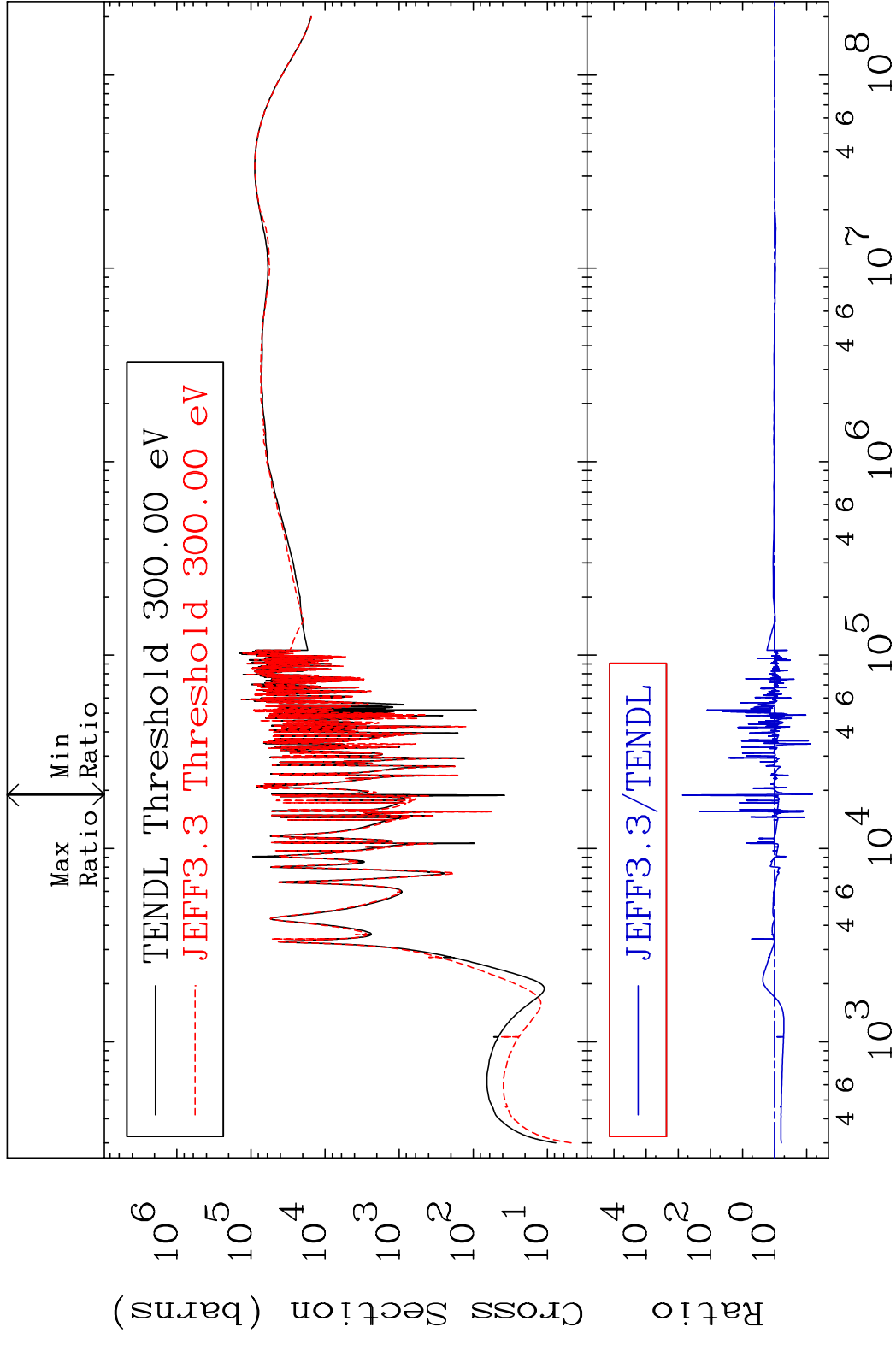
21-Sc-45

MAT 2125

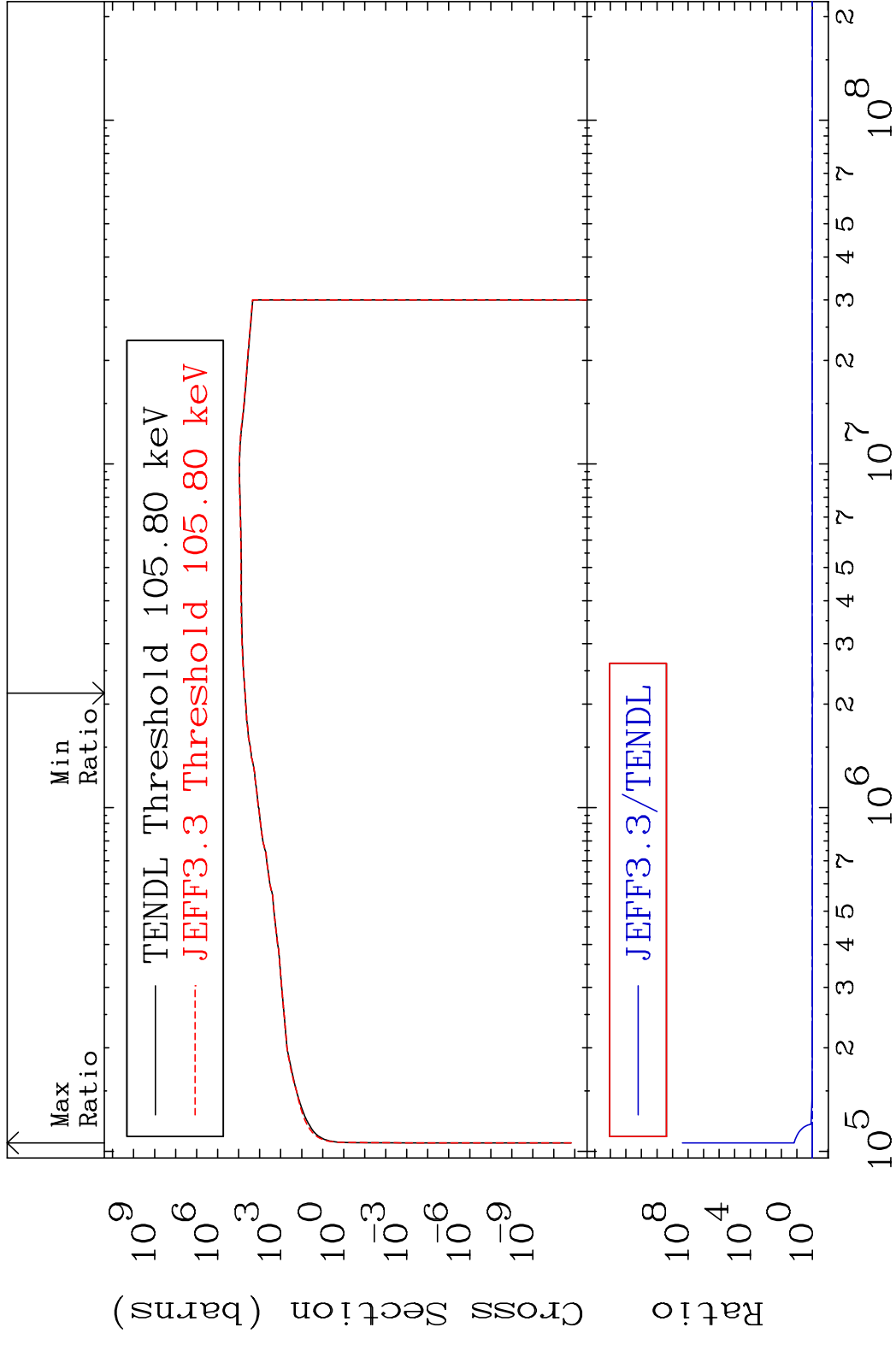
Dpa elastic (mt2)

21-Sc-45

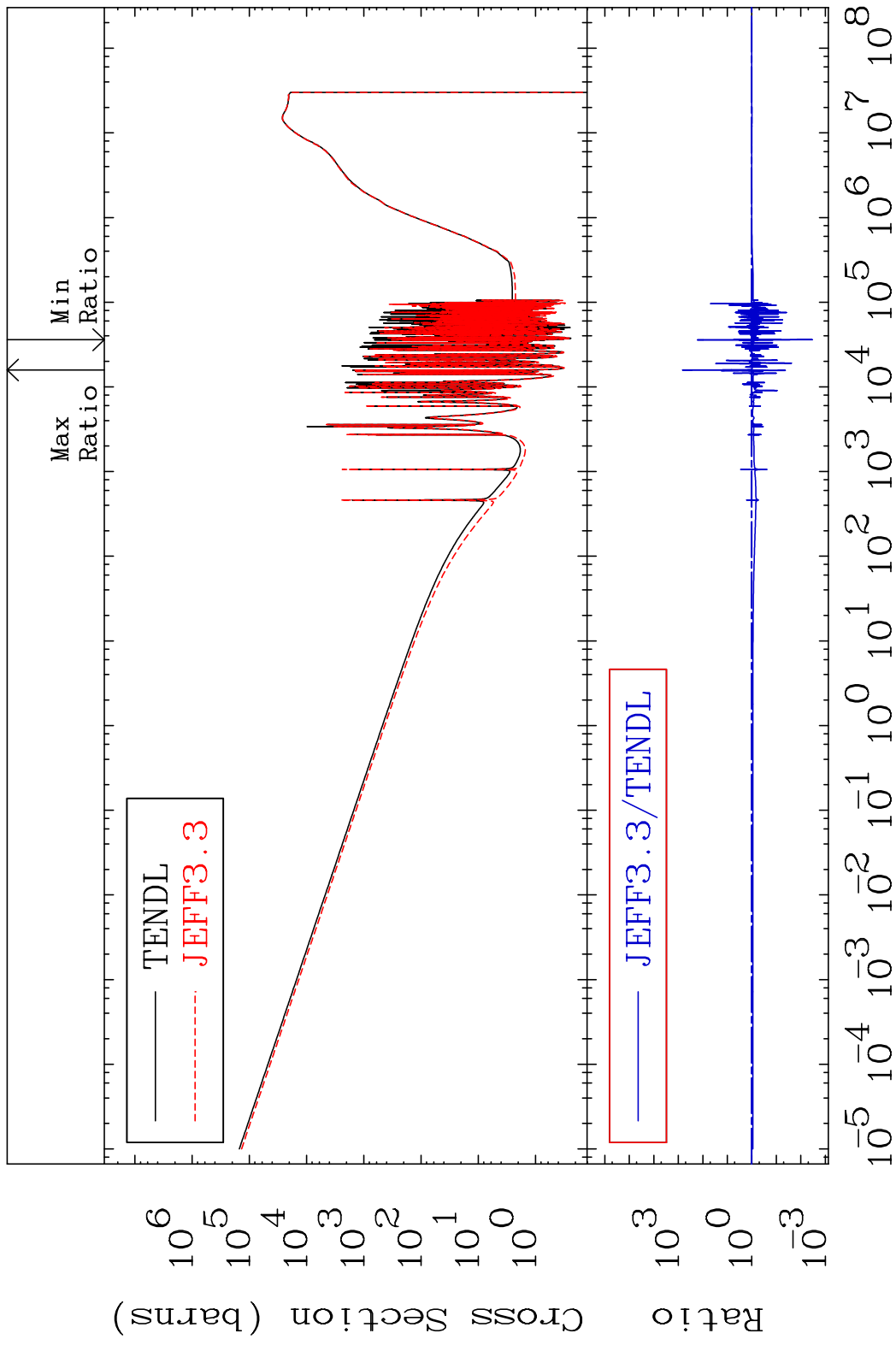
Cross Section -93.39 To 9999. %

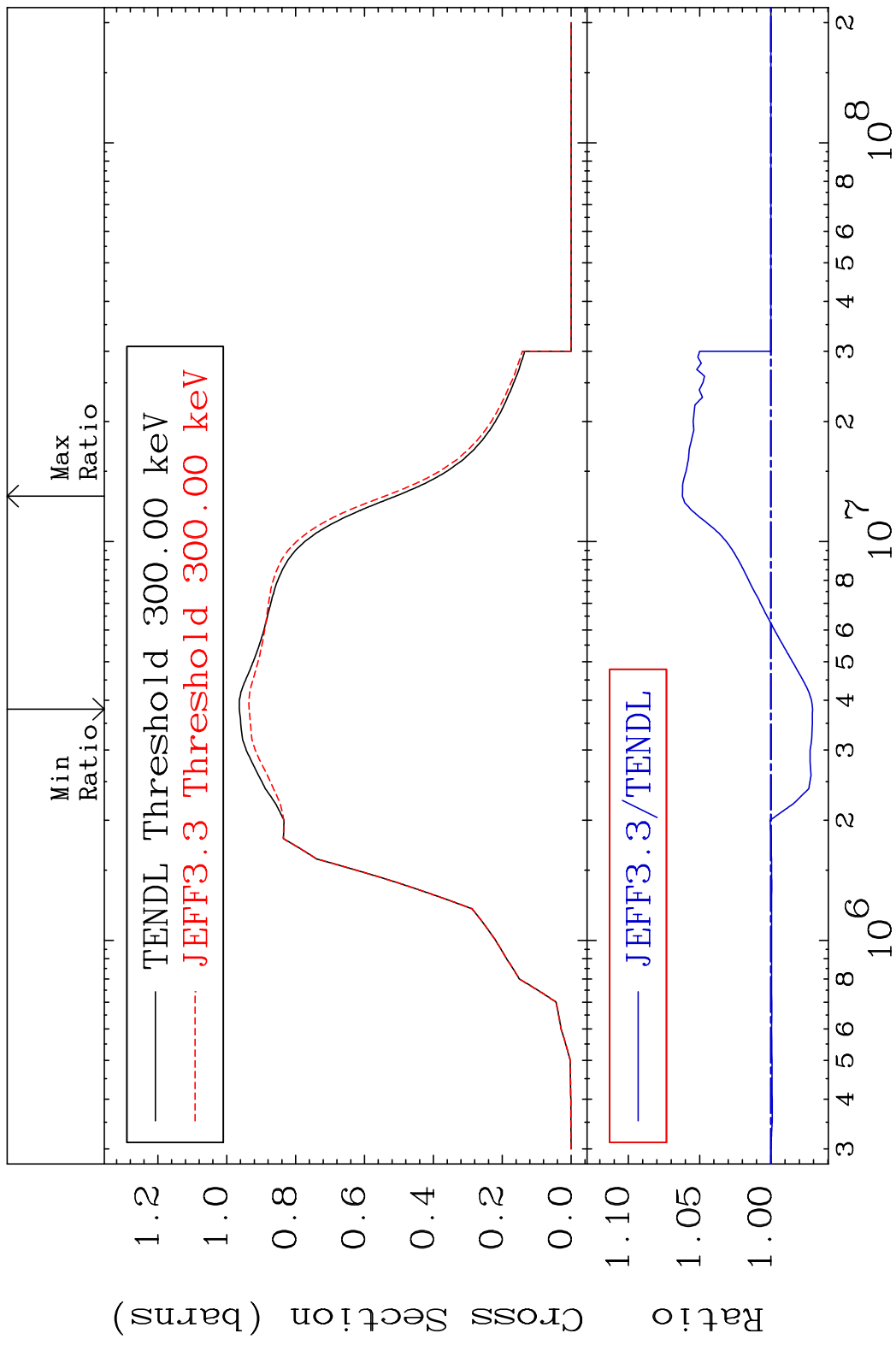


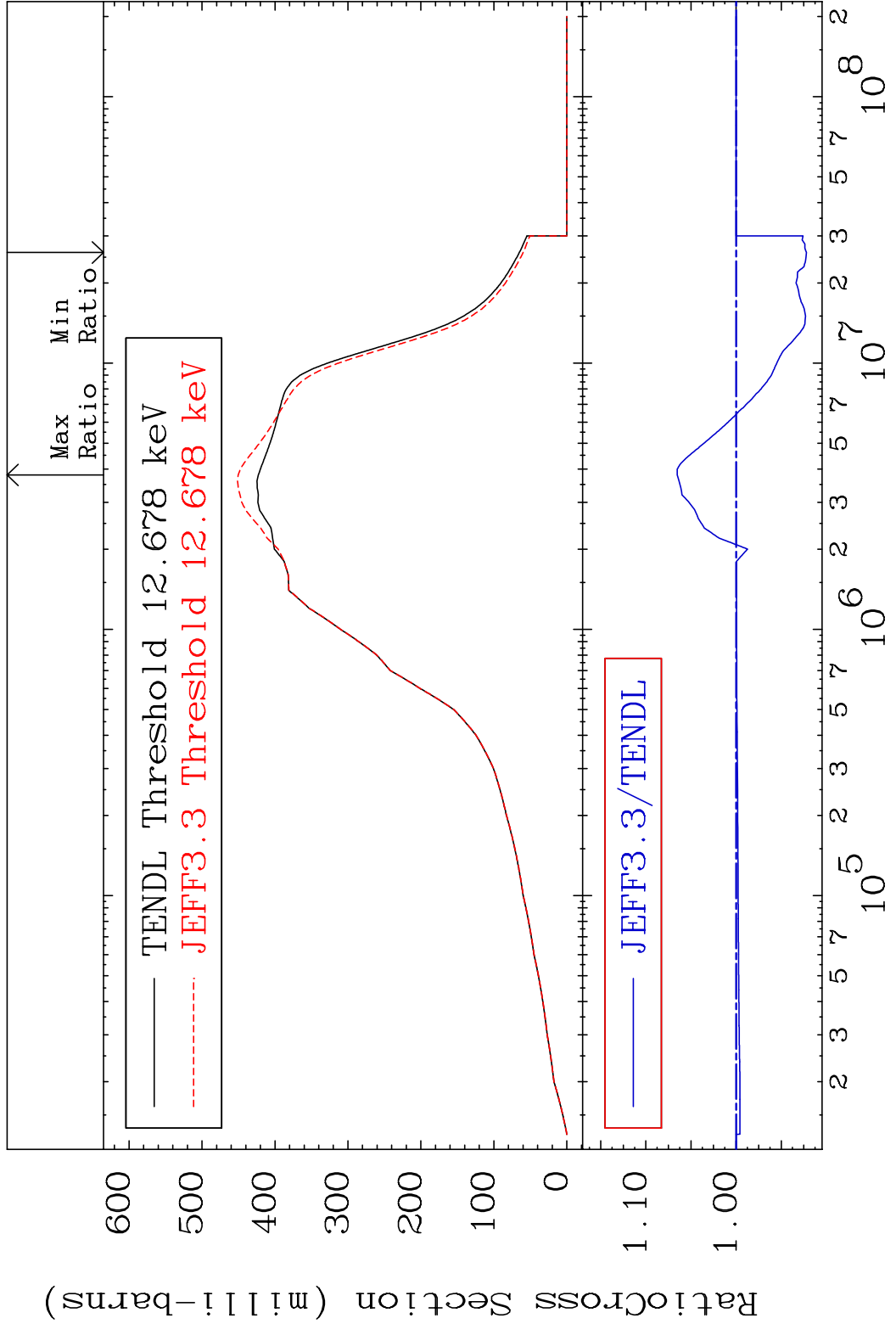
MAT 2125 Dpa inelastic (mt51-91) 21-Sc-45
 Cross Section -1.812 To 9999. %



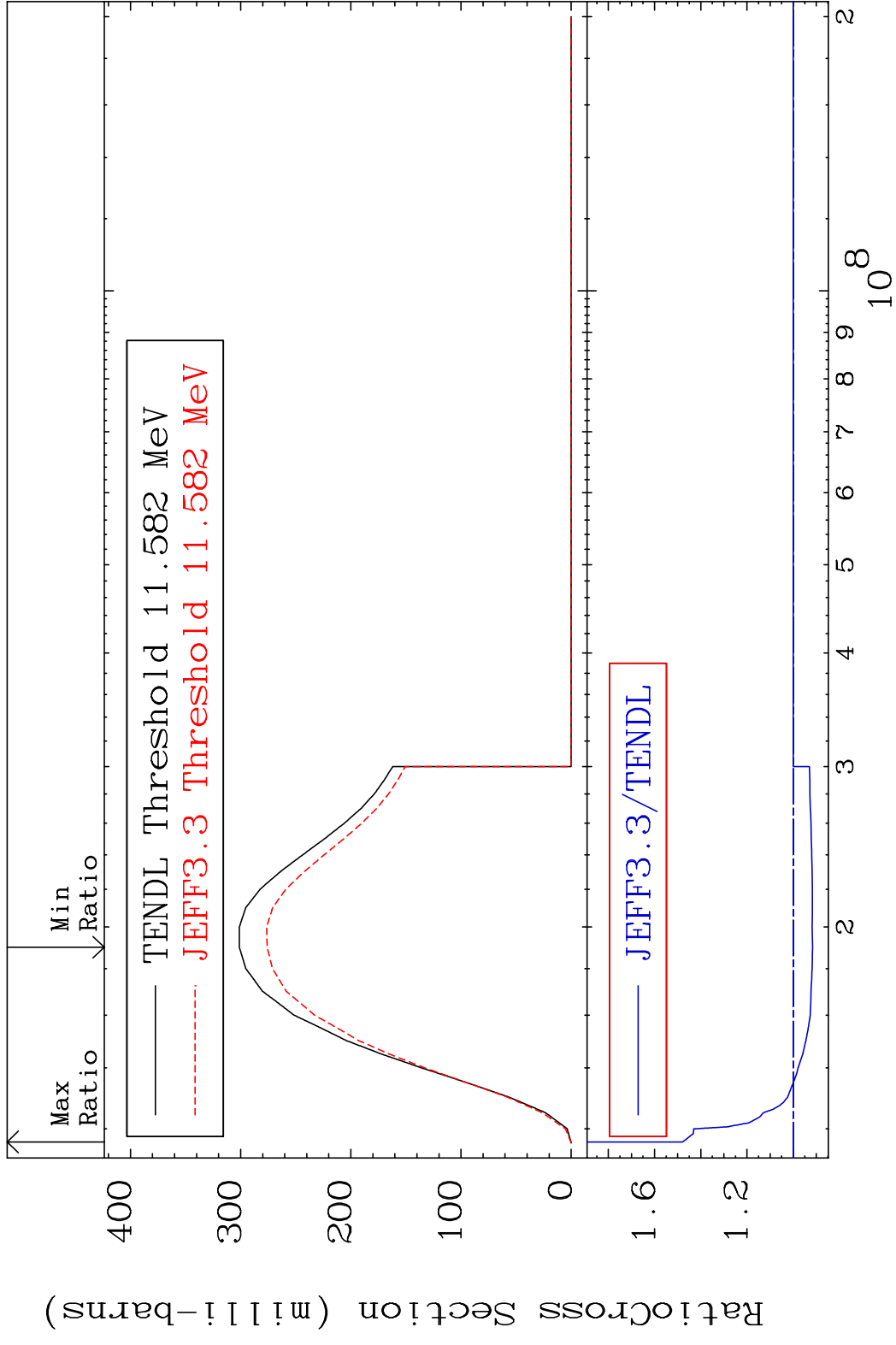
MAT 2125 Dpa disappearance (mt102 -120) 21-Sc-45
 Cross Section -99.67 To 9999. %







MAT 2125 (n,2n):21-Sc-44g 21-Sc-45
 Radionuclide Production Cross Section 47.98 %



70 Incident Energy (eV) 21-Sc-45

MAT 2125 (n,2n):21-Sc-44m4 21-Sc-45
 Radionuclide Production Cross Section 105.9 %

