

Program Complot
(Version 2021-1)

by

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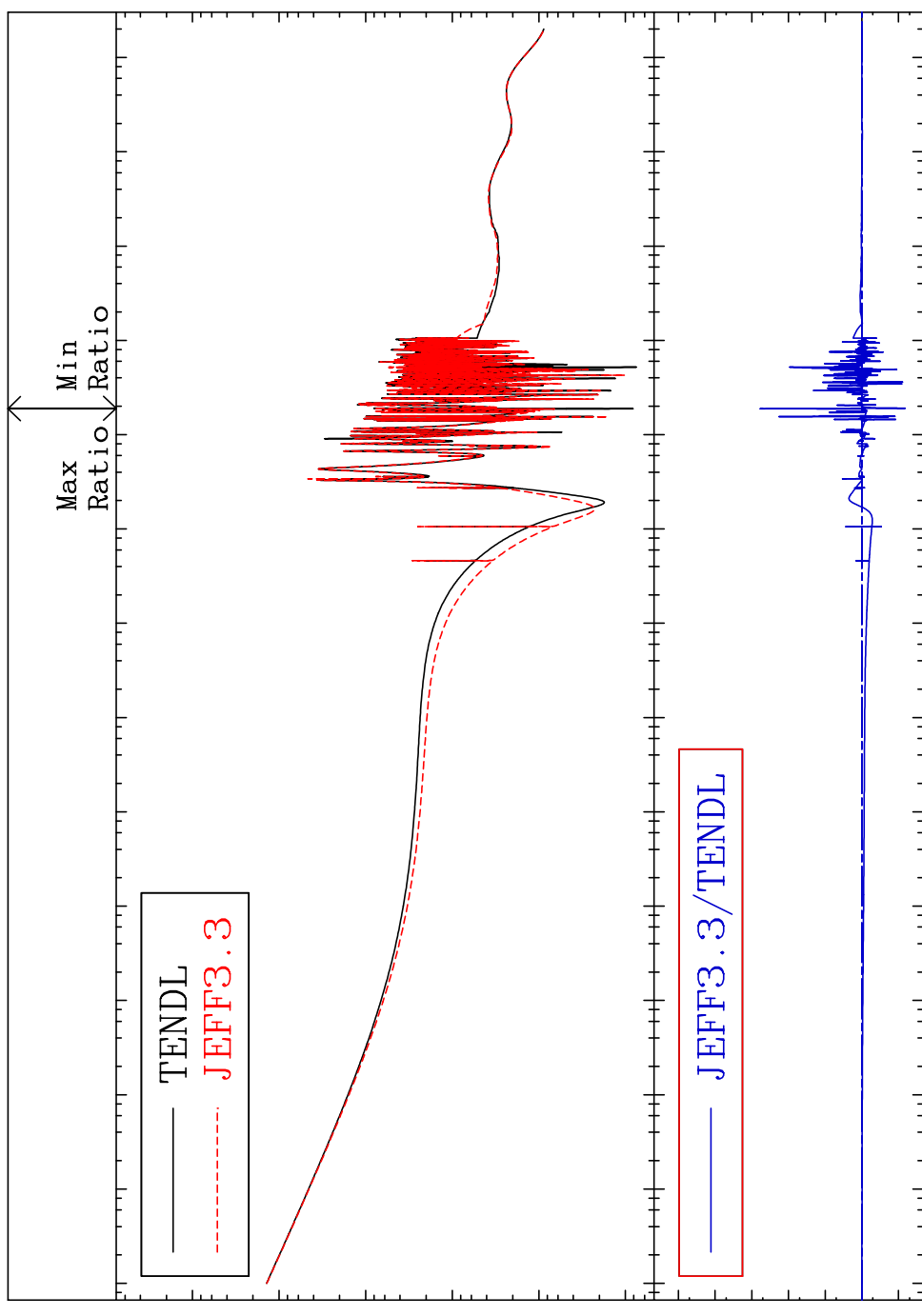
Press Mouse Button to Start

MAT 2125

Total

21-Sc-45

Cross Section -93.44 To 9999. %



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

Incident Energy (eV)

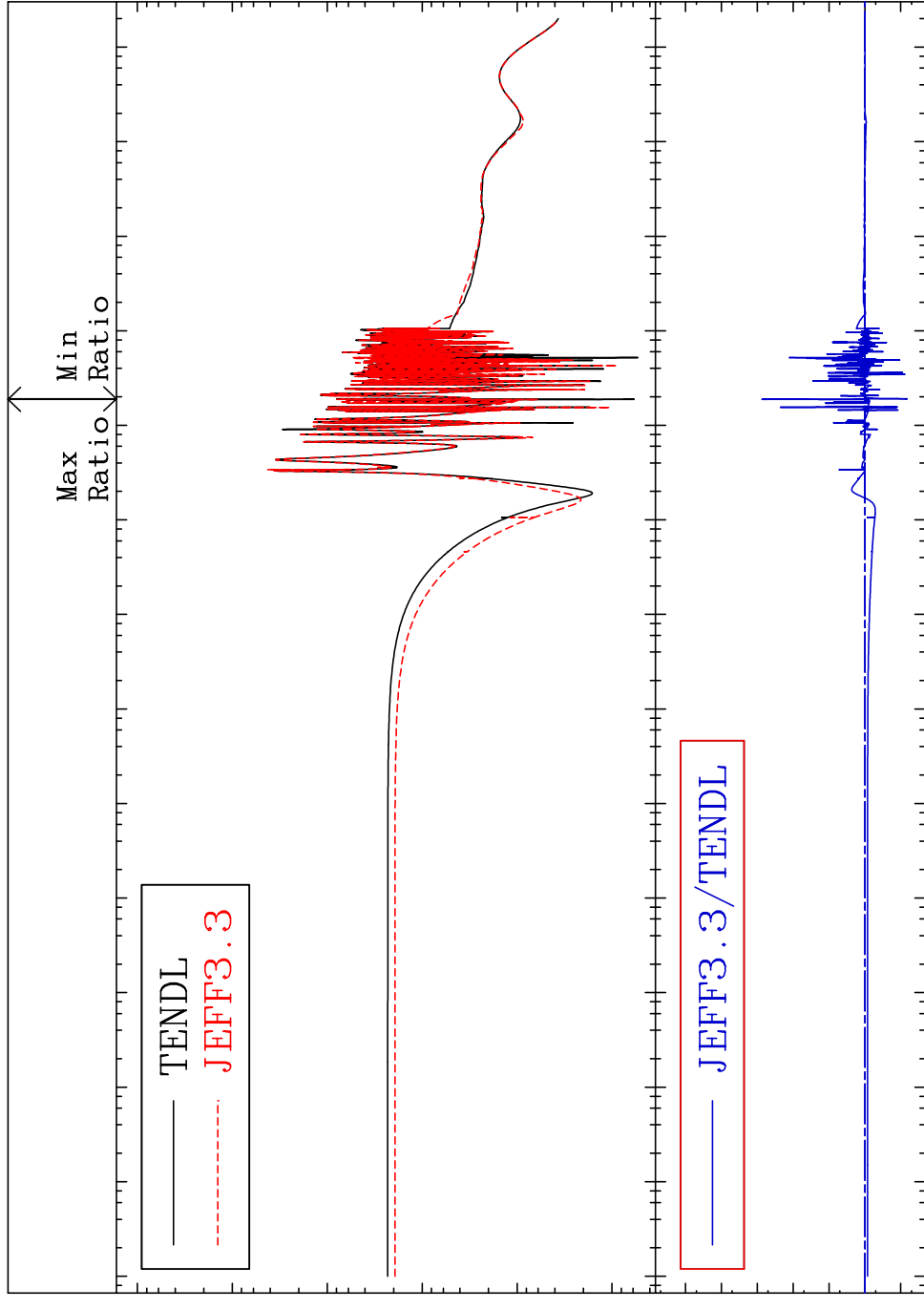
21-Sc-45

MAT 2125

Elastic

21-Sc-45

Cross Section -93.39 To 9999. %



Cross Section (barns)
Ratio

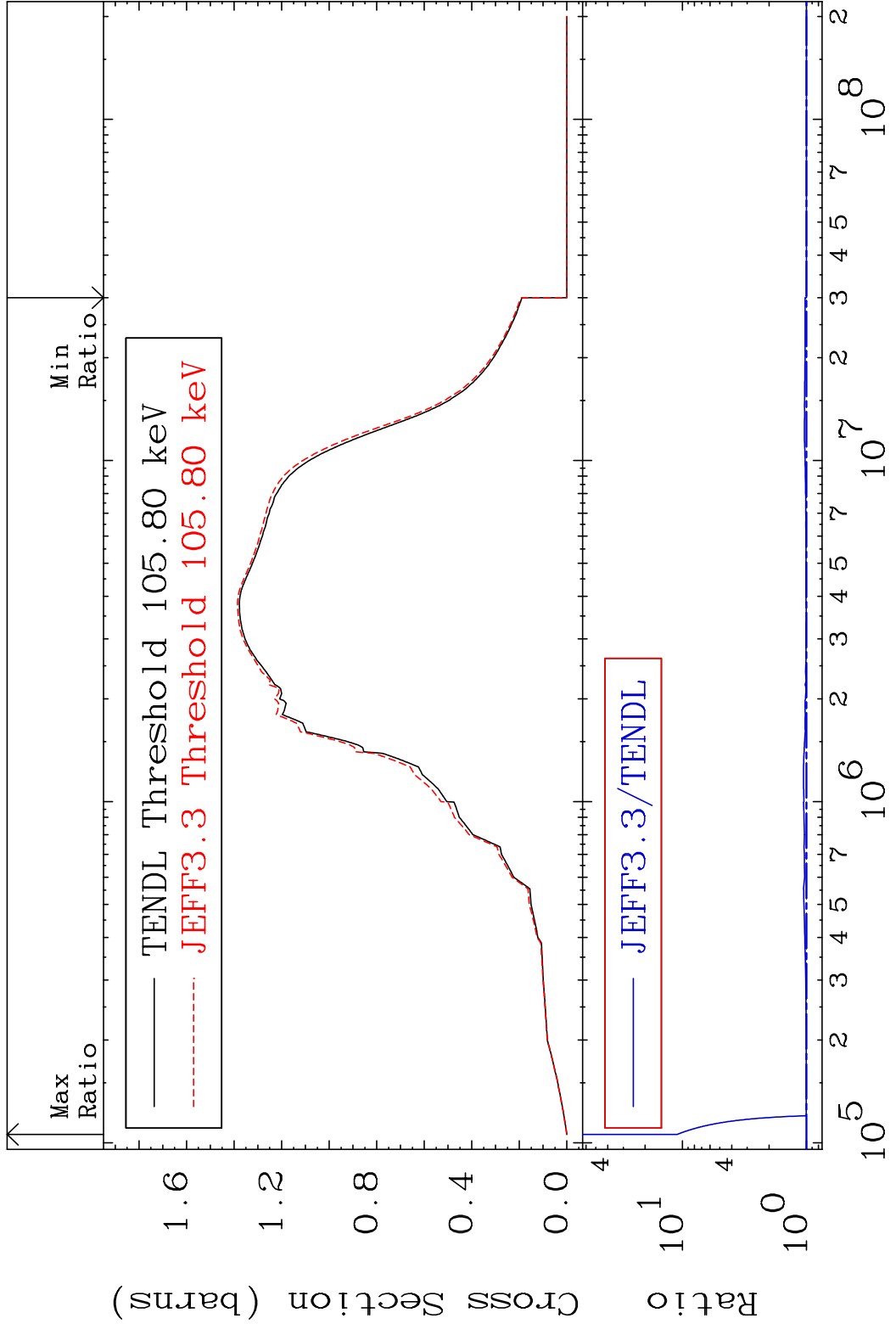
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

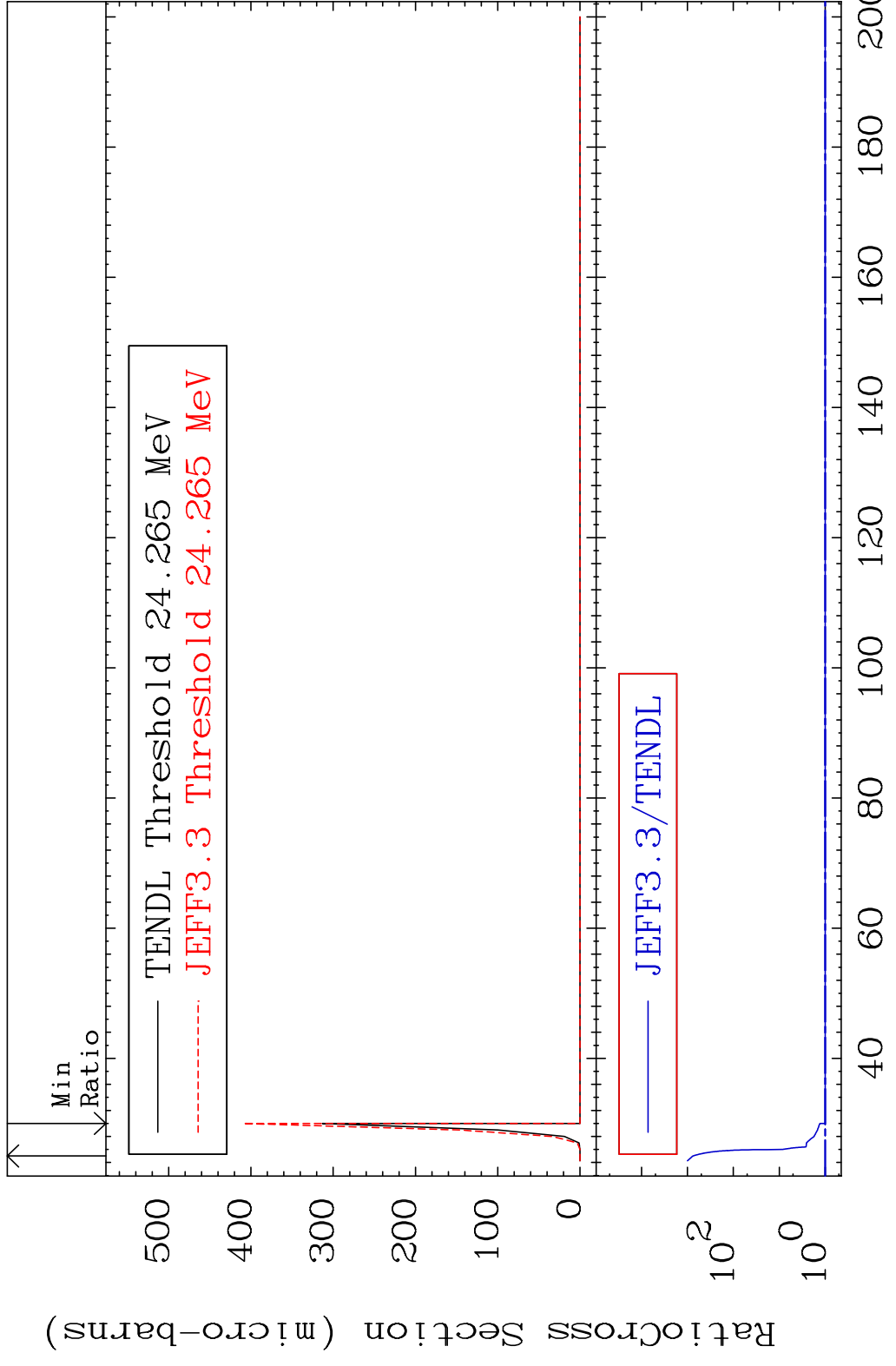
21-Sc-45

MAT 2125 Inelastic 21-Sc-45
 Cross Section 0.000 To 1003. %

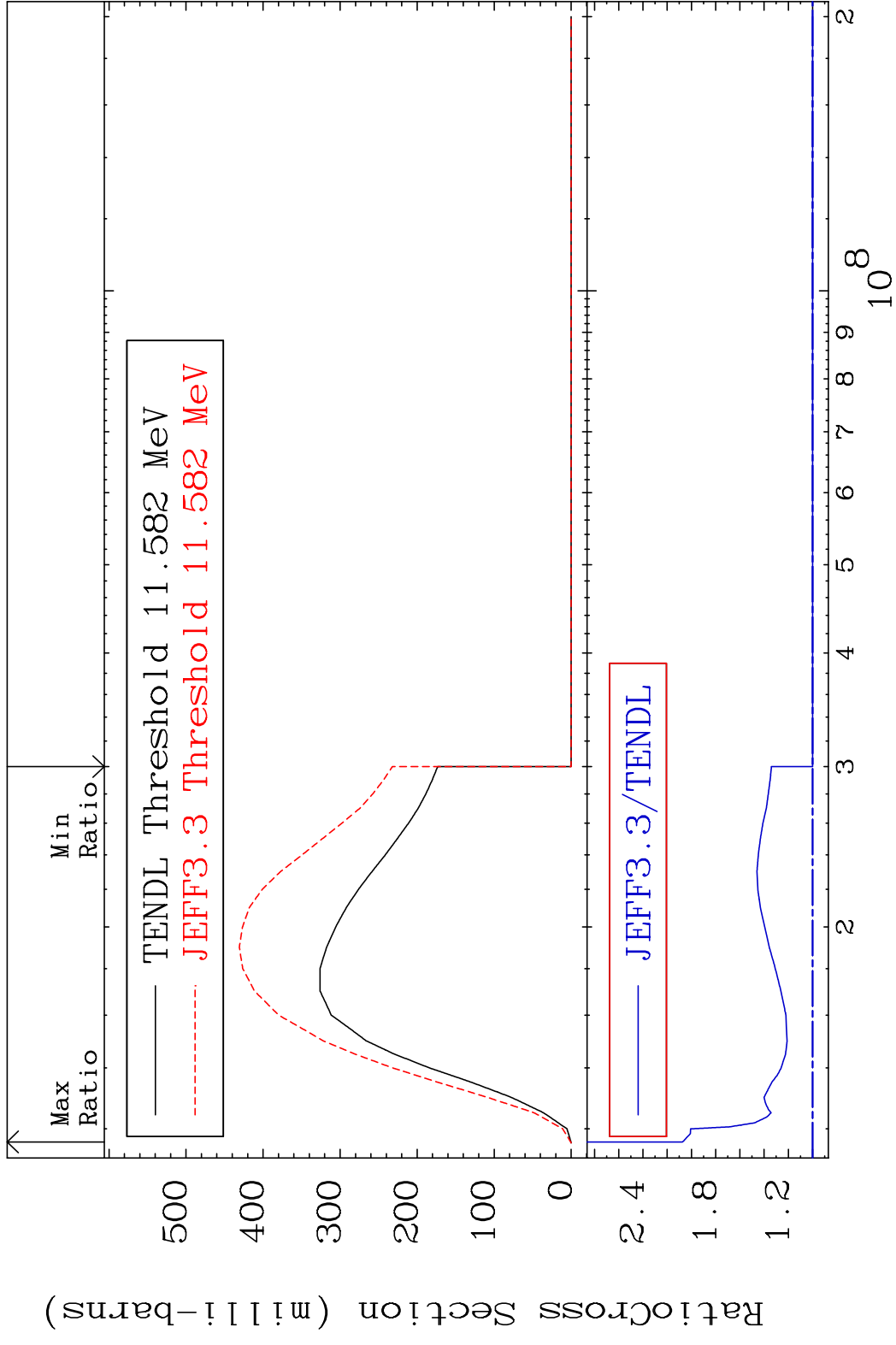


3 Incident Energy (eV) 21-Sc-45

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



MAT 2125 (n,2n) 21-Sc-45
 Cross Section 0.000 To 107.5 %

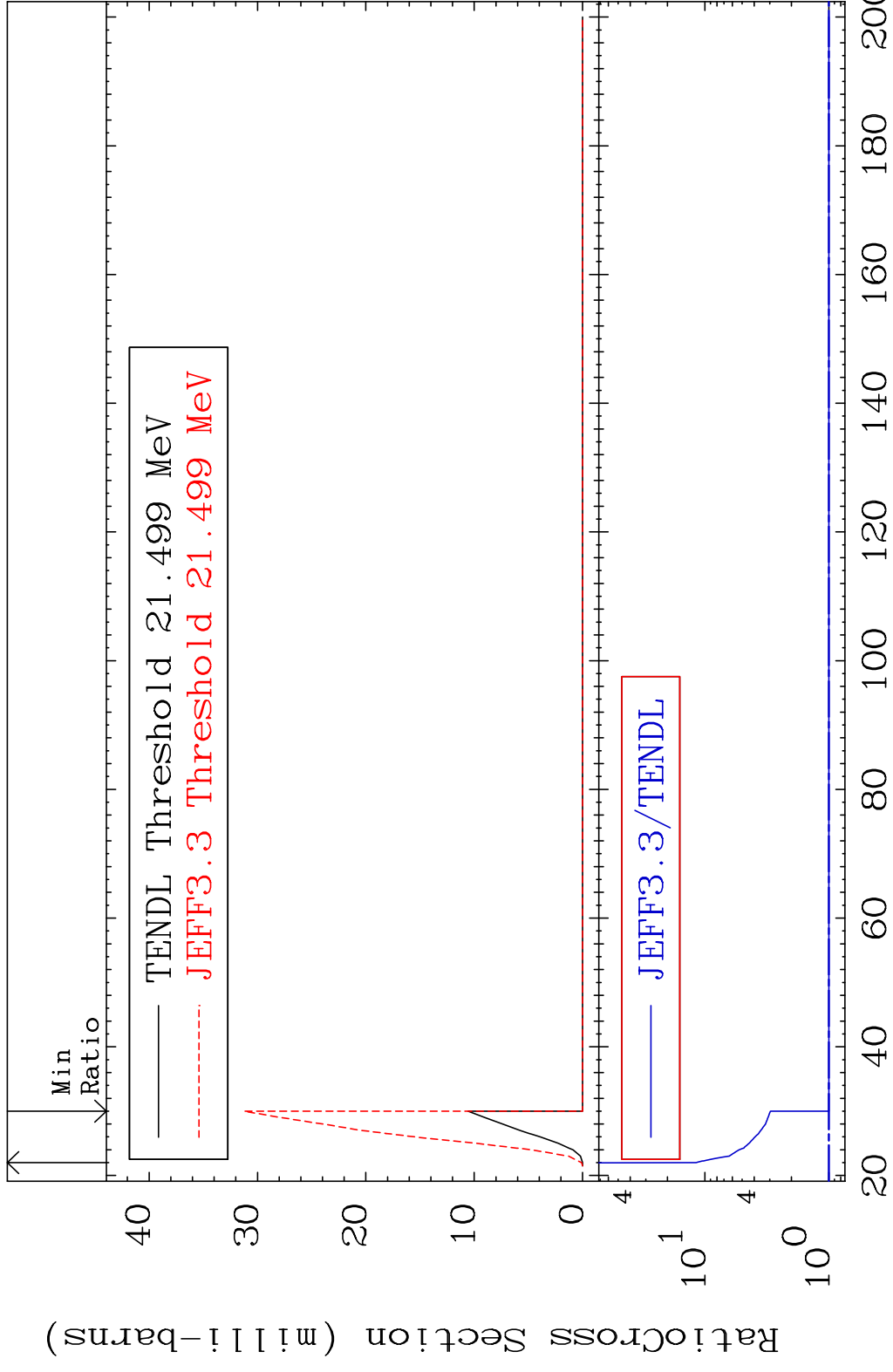


MAT 2125

(n,3n)

21-Sc-45

Cross Section 0.000 To 1079. %

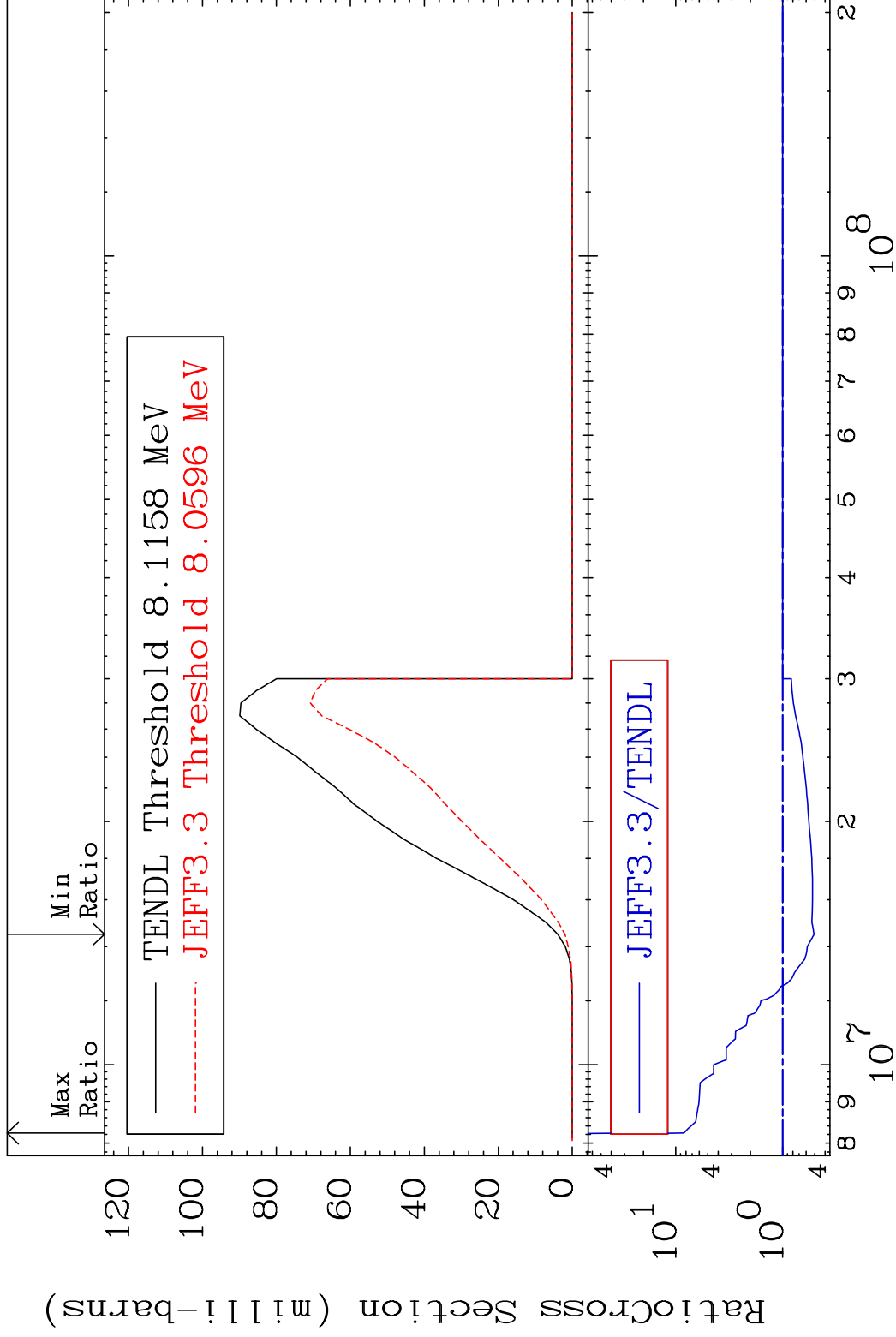


MAT 2125

(n, n') α

21-Sc-45

Cross Section -49.35 To 740.8 %

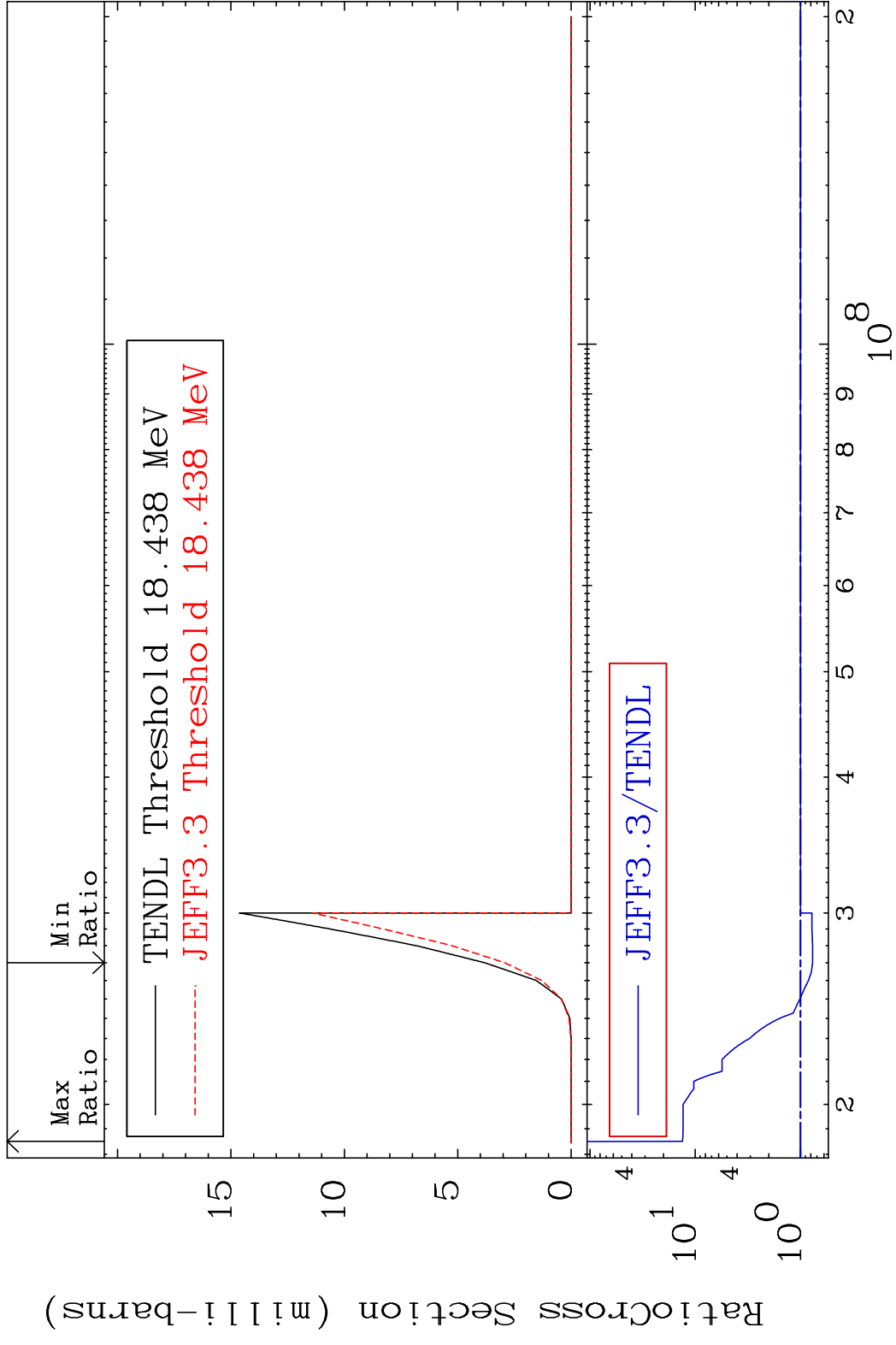


7

Incident Energy (eV)

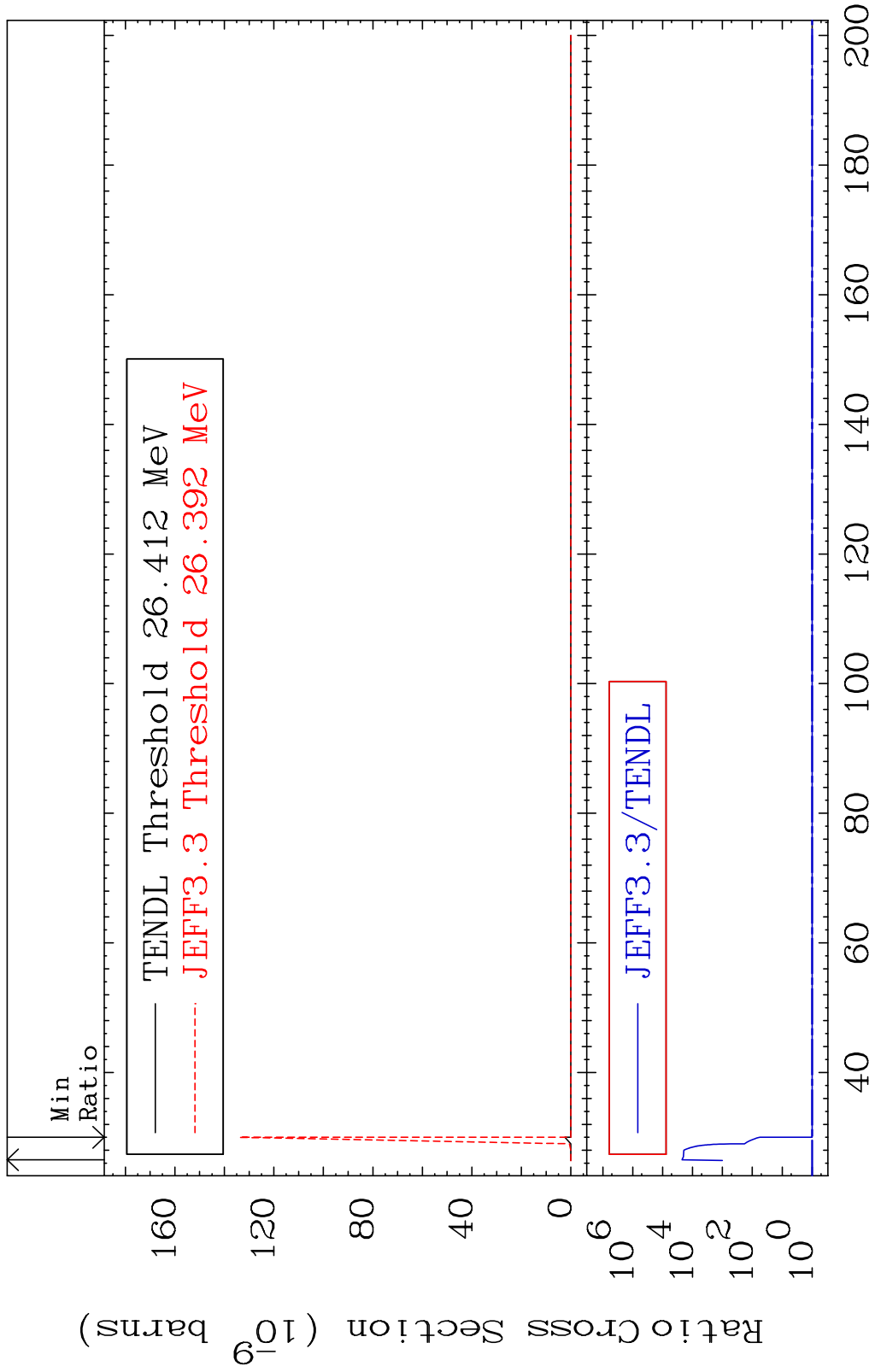
21-Sc-45

MAT 2125 (n,2n) α 21-Sc-45
 Cross Section -23.05 To 1226. %



8 8 Incident Energy (eV) 21-Sc-45

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

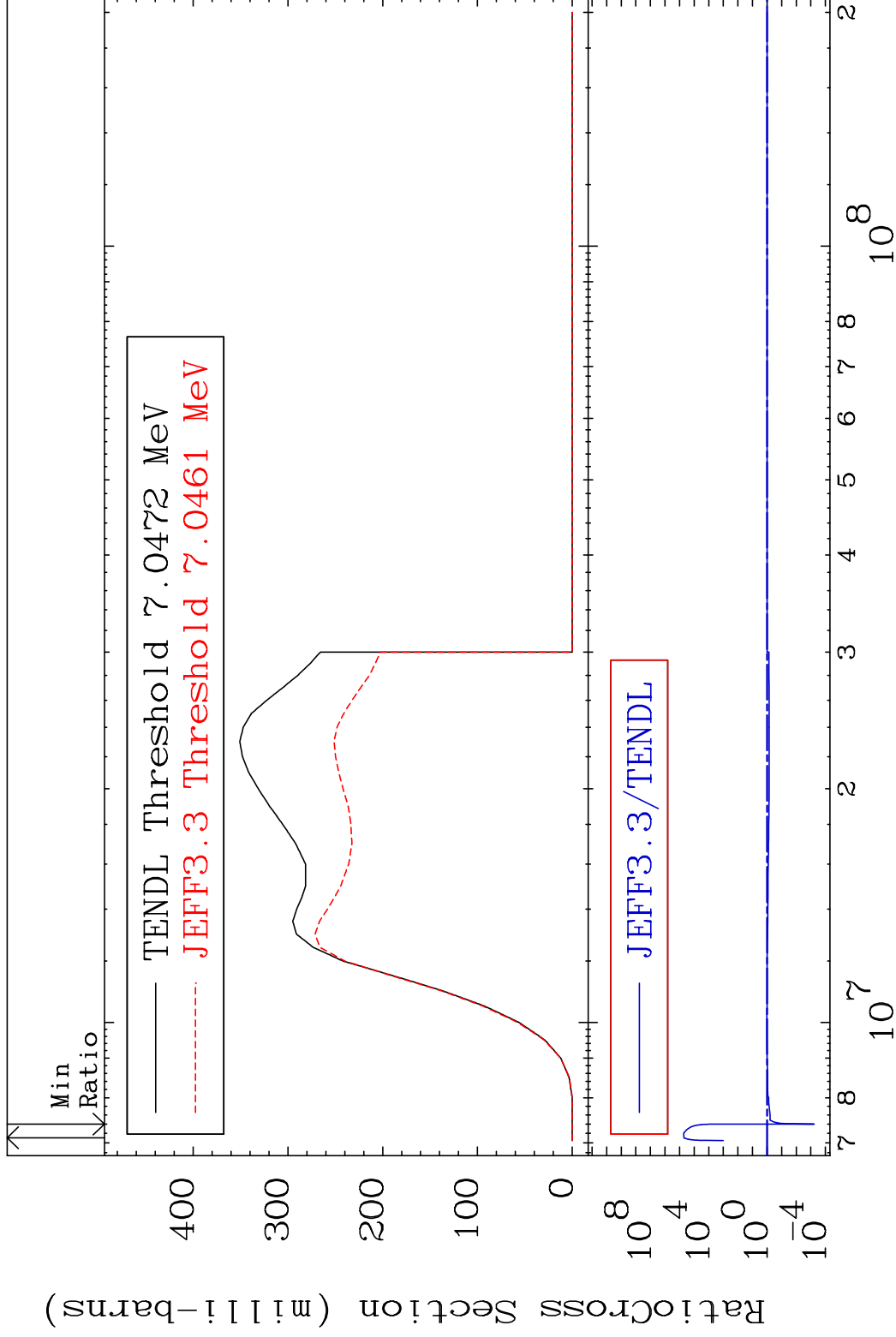


MAT 2125

(n, n') p

21-Sc-45

Cross Section -99.94 To 9999. %

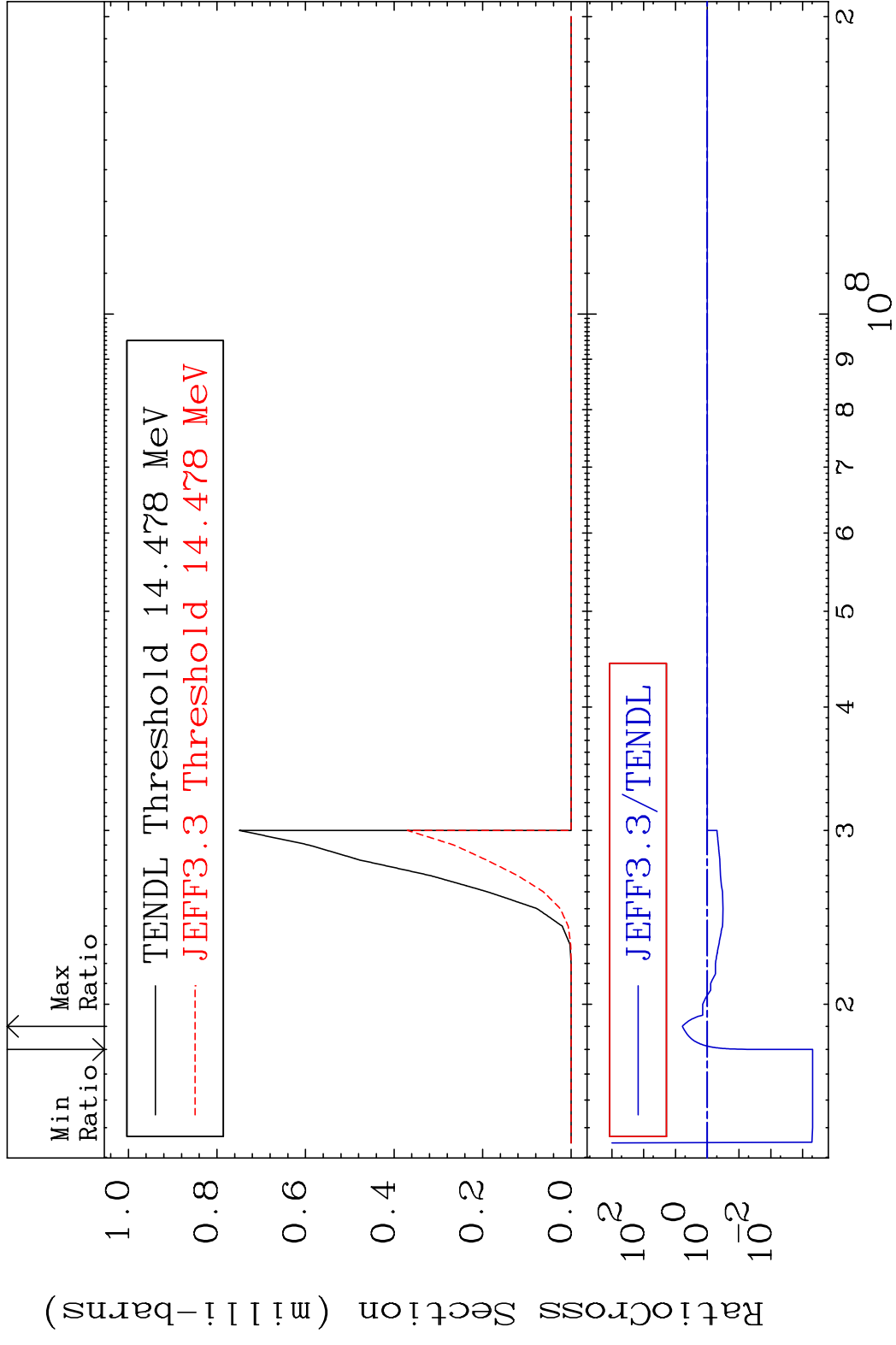


10

Incident Energy (eV)

21-Sc-45

MAT 2125 (n, n') 2α 21-Sc-45
 Cross Section -99.95 To 506.8 %

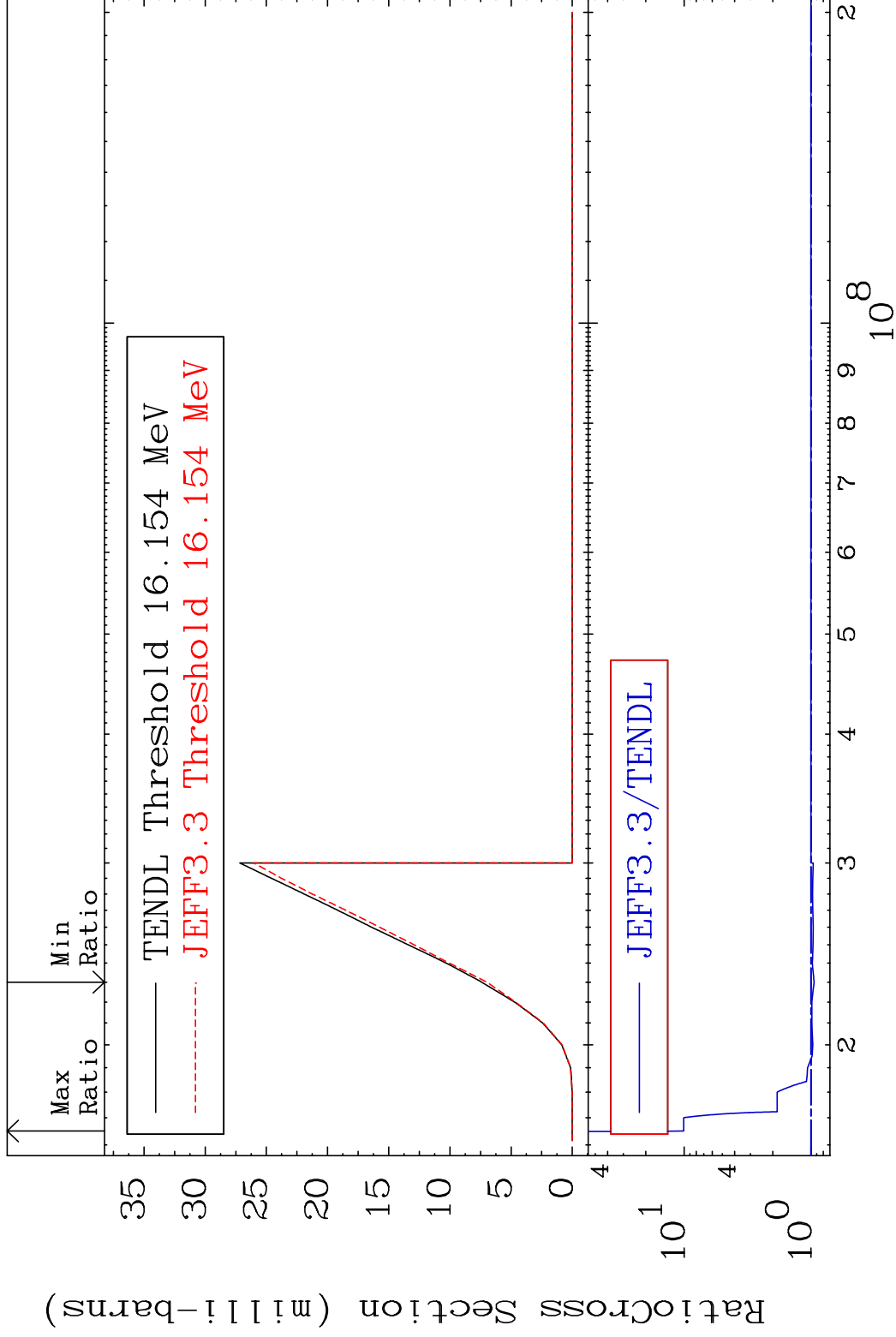


MAT 2125

(n, n') d

21-Sc-45

Cross Section -5.540 To 907.0 %



12

Incident Energy (eV)

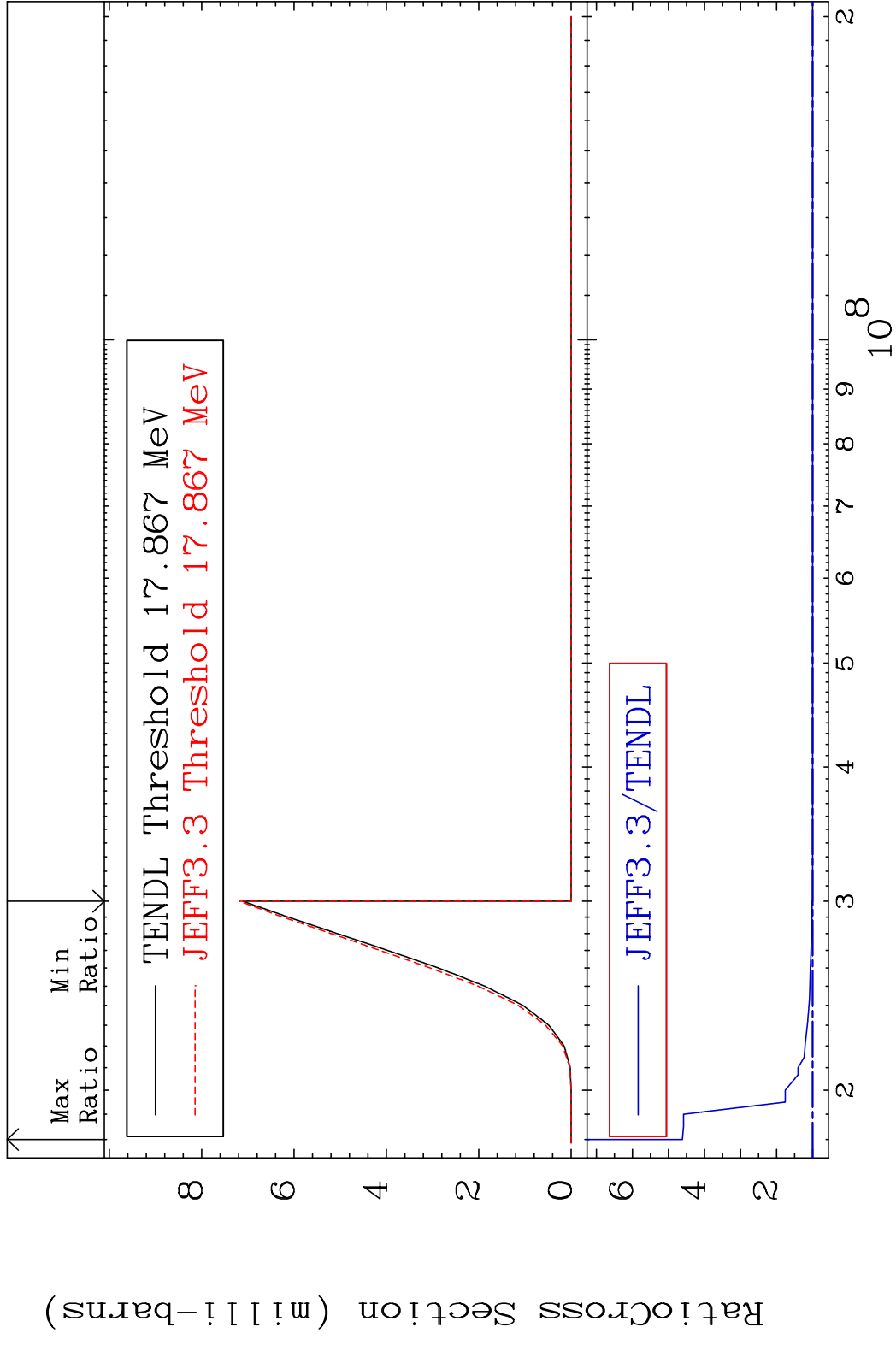
21-Sc-45

MAT 2125

(n, n') t

21-Sc-45

Cross Section 0.000 To 361.2 %

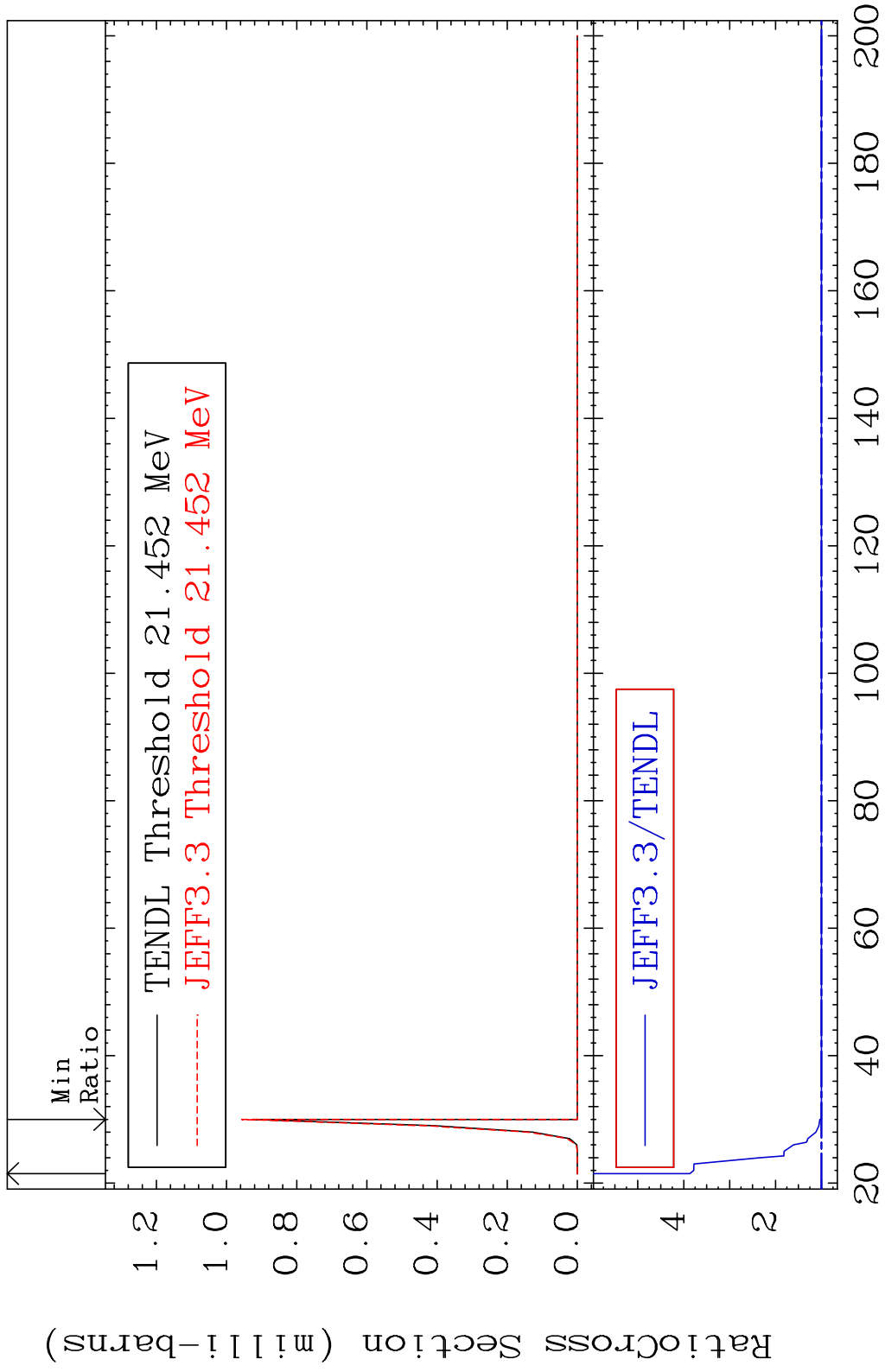


13

Incident Energy (eV)

21-Sc-45

MAT 2125 (n,n') He-3 21-Sc-45
 Cross Section 0.000 To 286.8 %



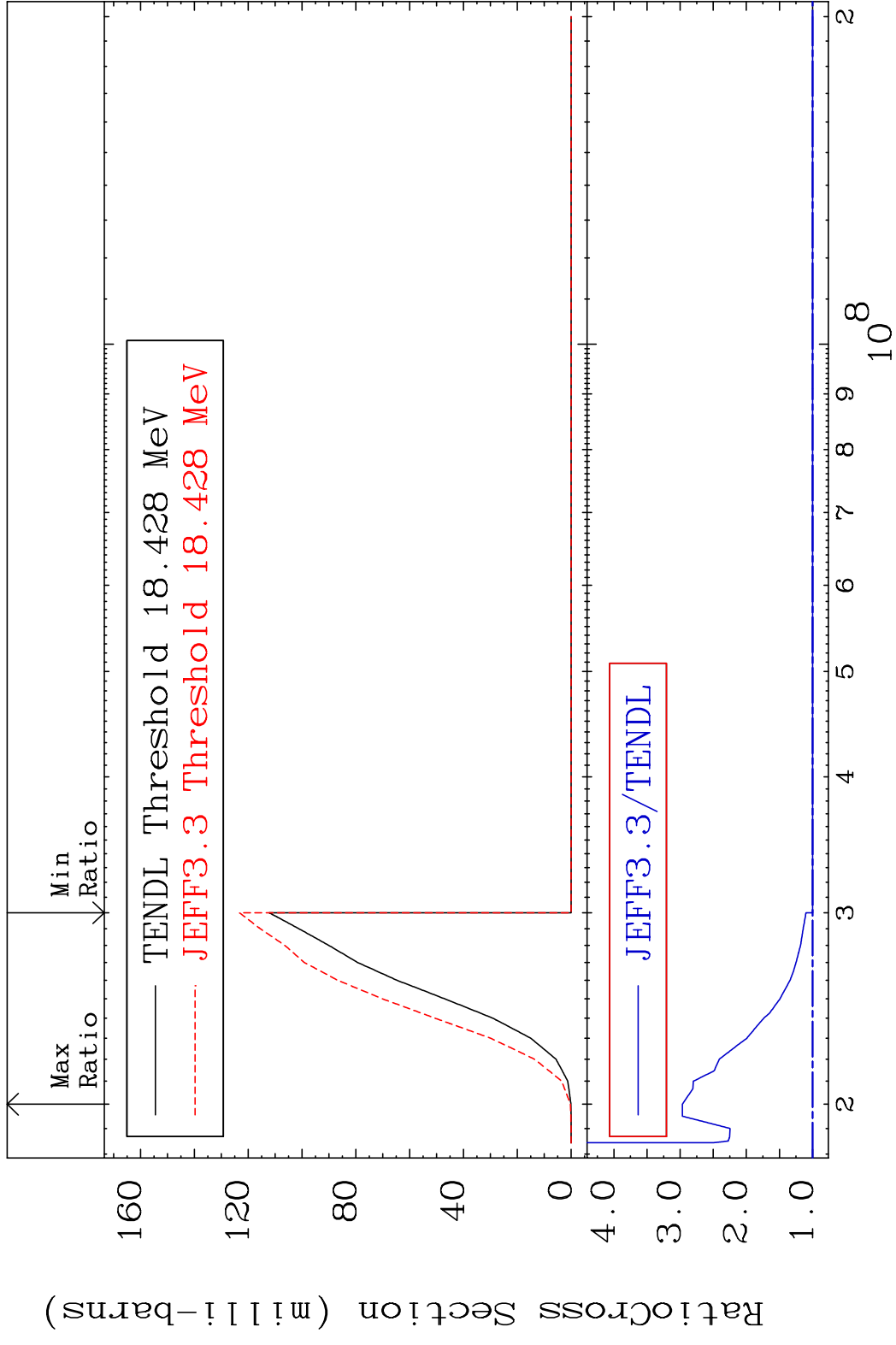
14 Incident Energy (MeV) 21-Sc-45

MAT 2125

(n,2n) p

21-Sc-45

Cross Section 0.000 To 196.7 %

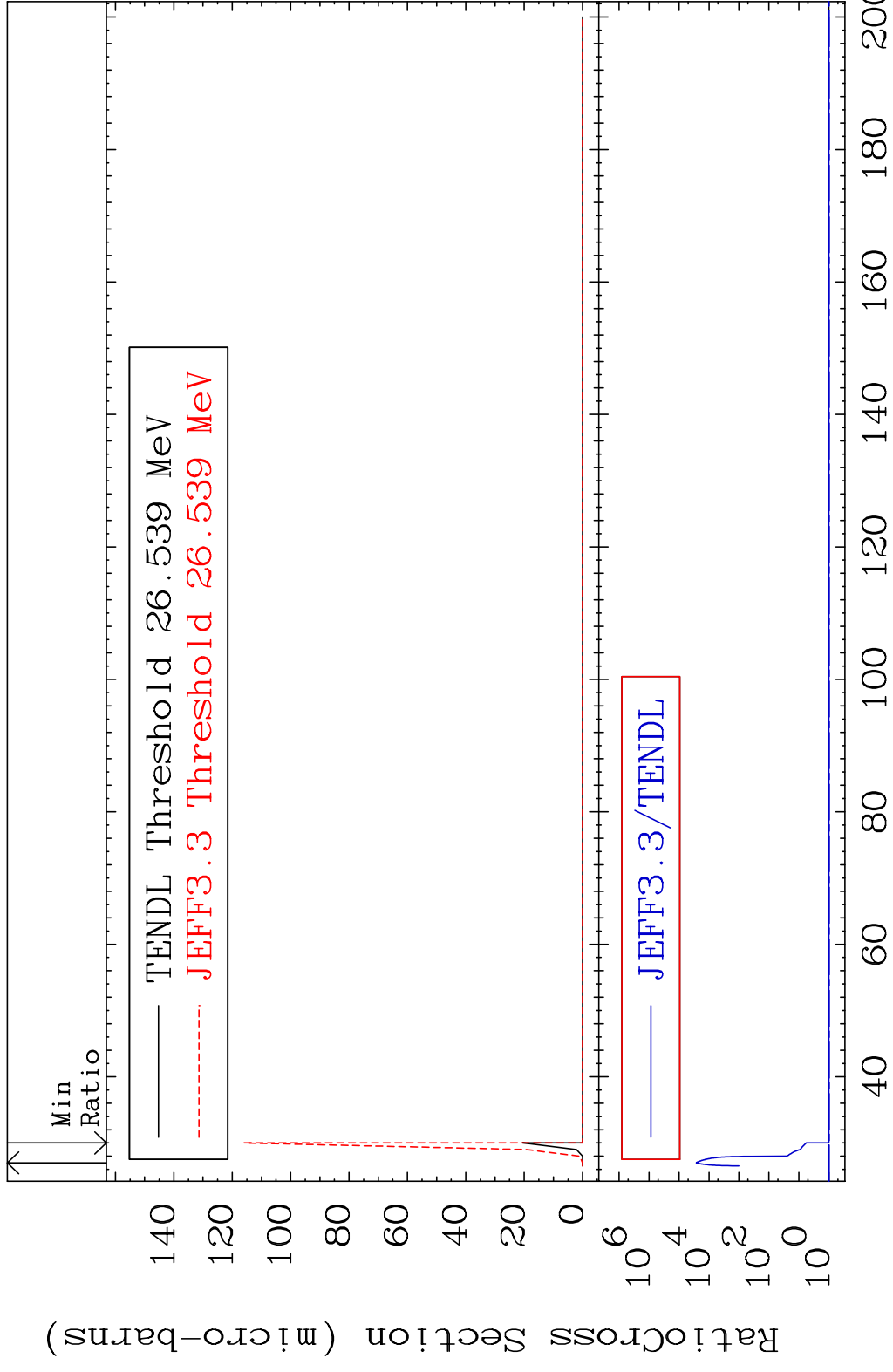


15

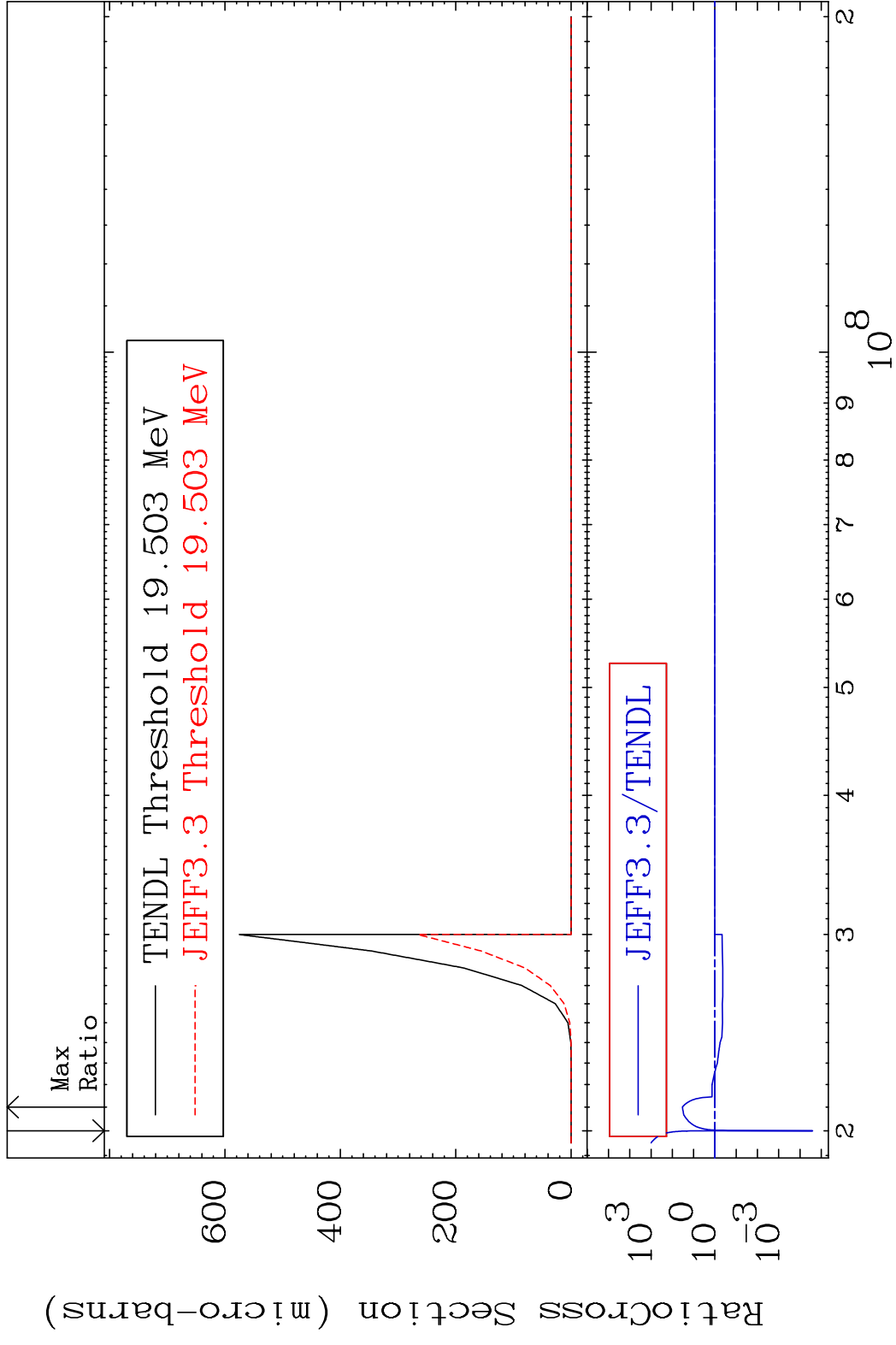
Incident Energy (eV)

21-Sc-45

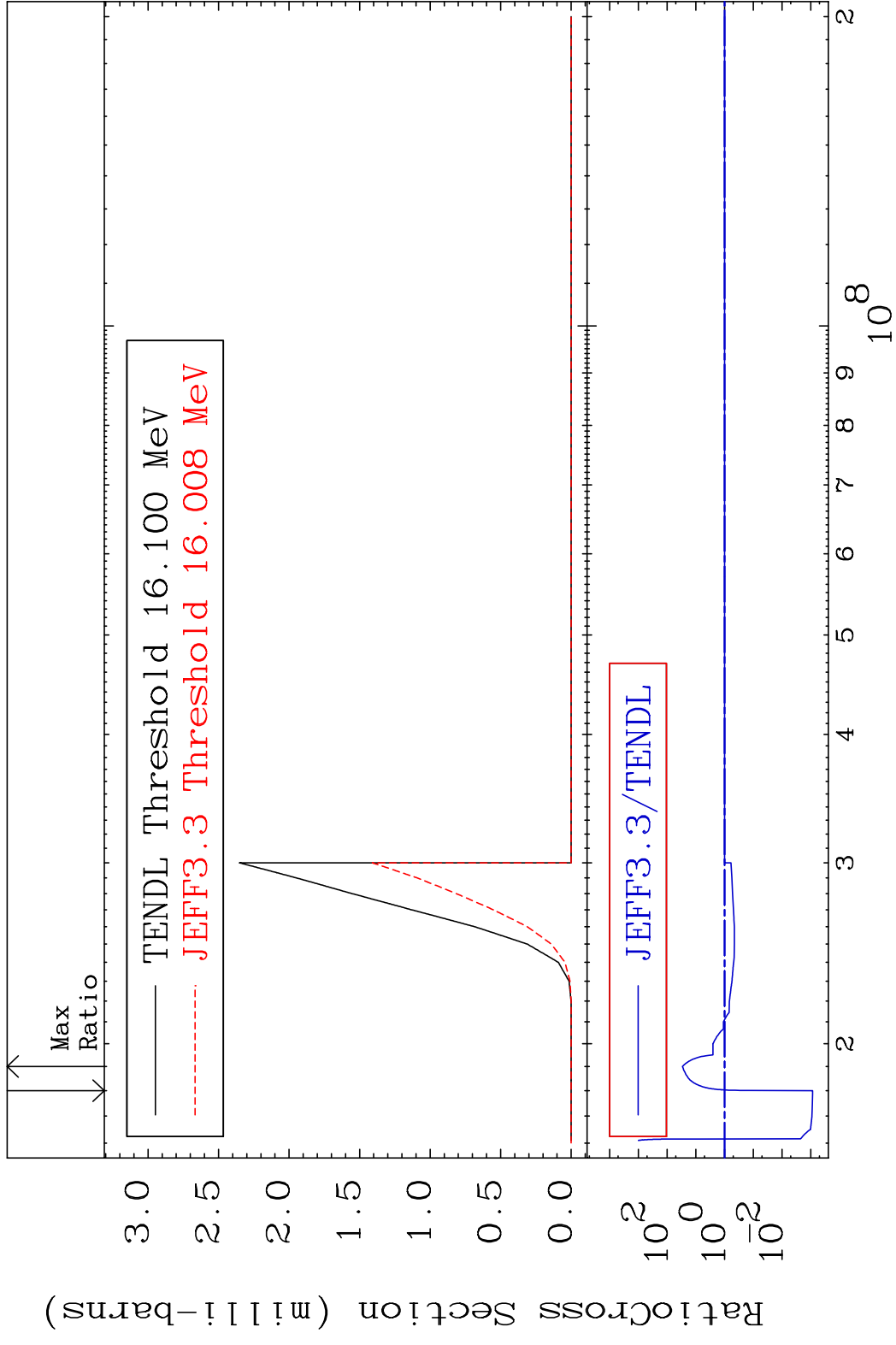
MAT 2125 (n,3n) p 21-Sc-45
 Cross Section 0.000 To 9999. %



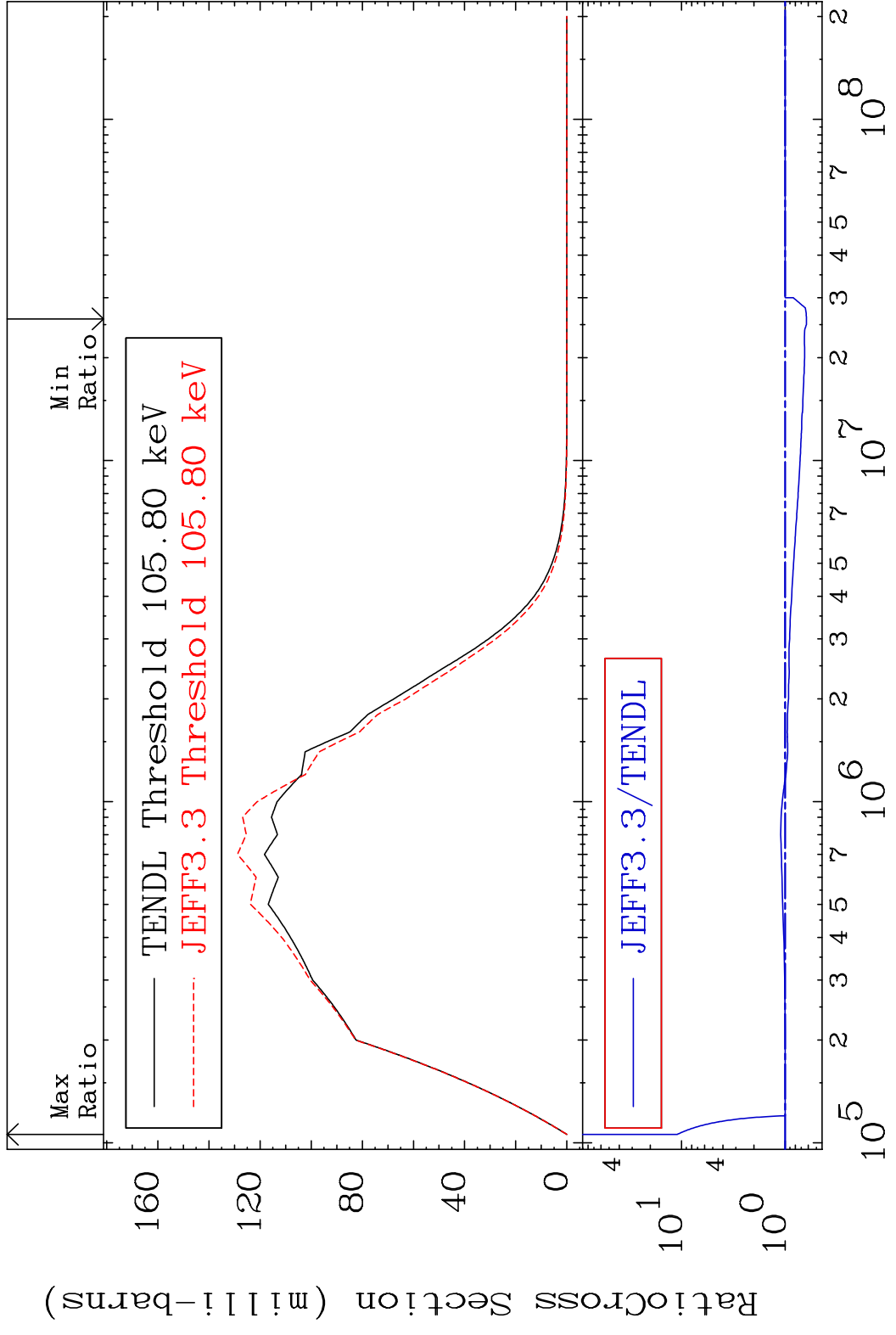
MAT 2125 (n,2n) p 21-Sc-45
 Cross Section -100.0 To 3273. %



MAT 2125 (n,n') p α 21-Sc-45
 Cross Section -99.91 To 2837. %

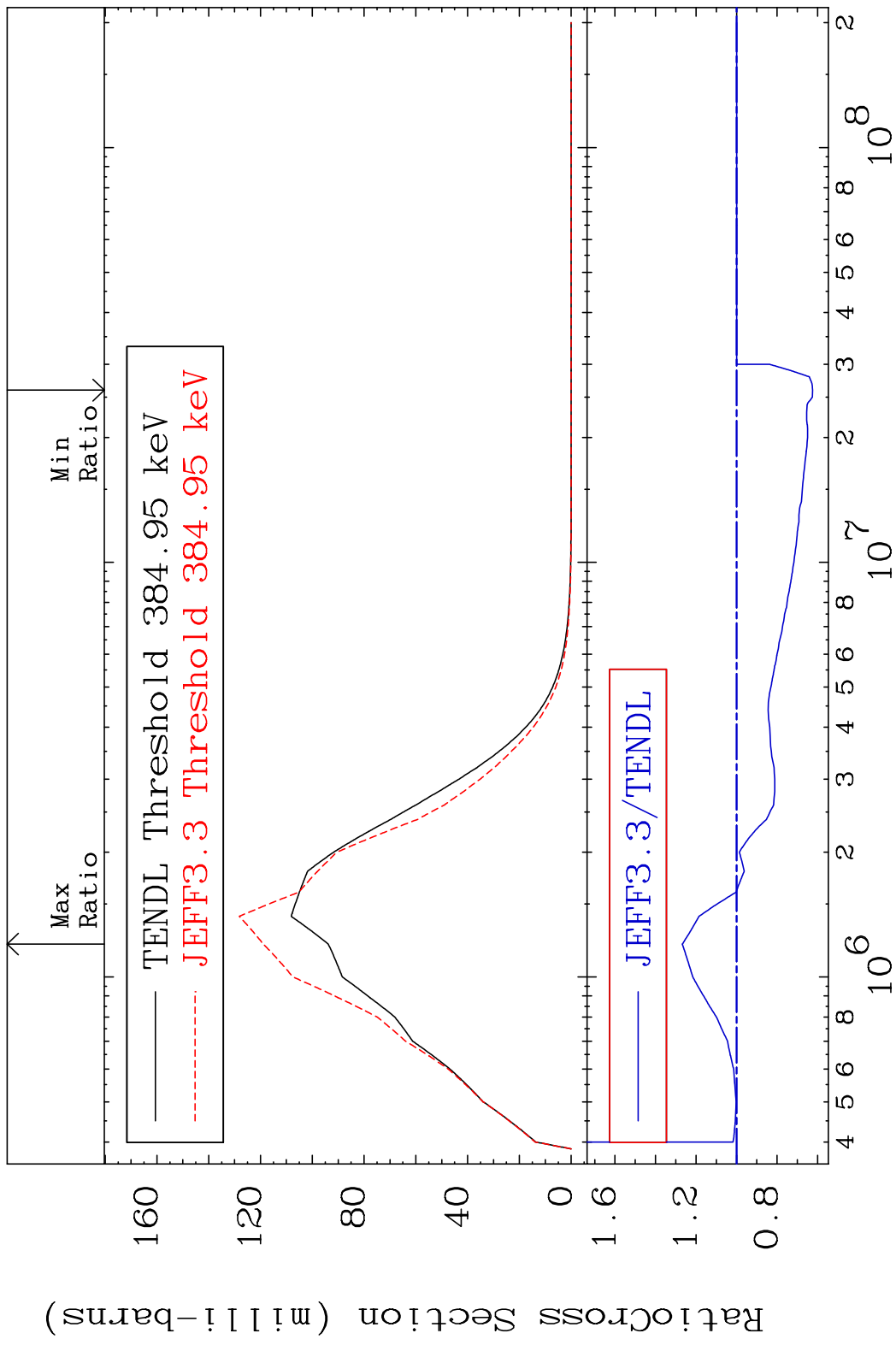


MAT 2125 MT= 51 (n,n') Level 21-Sc-45
 Cross Section -37.49 To 1003. %

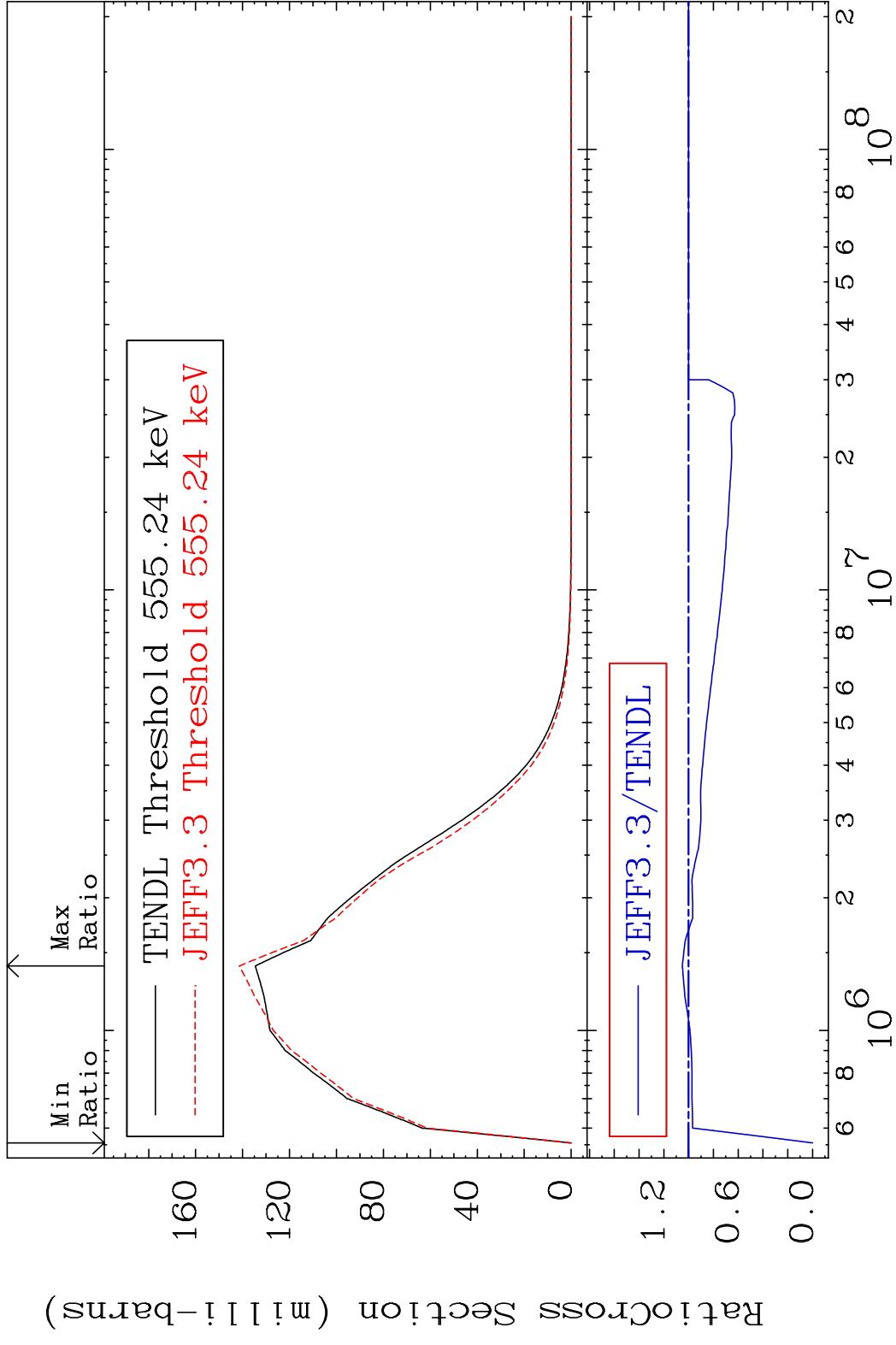


19 19 Incident Energy (eV) 21-Sc-45

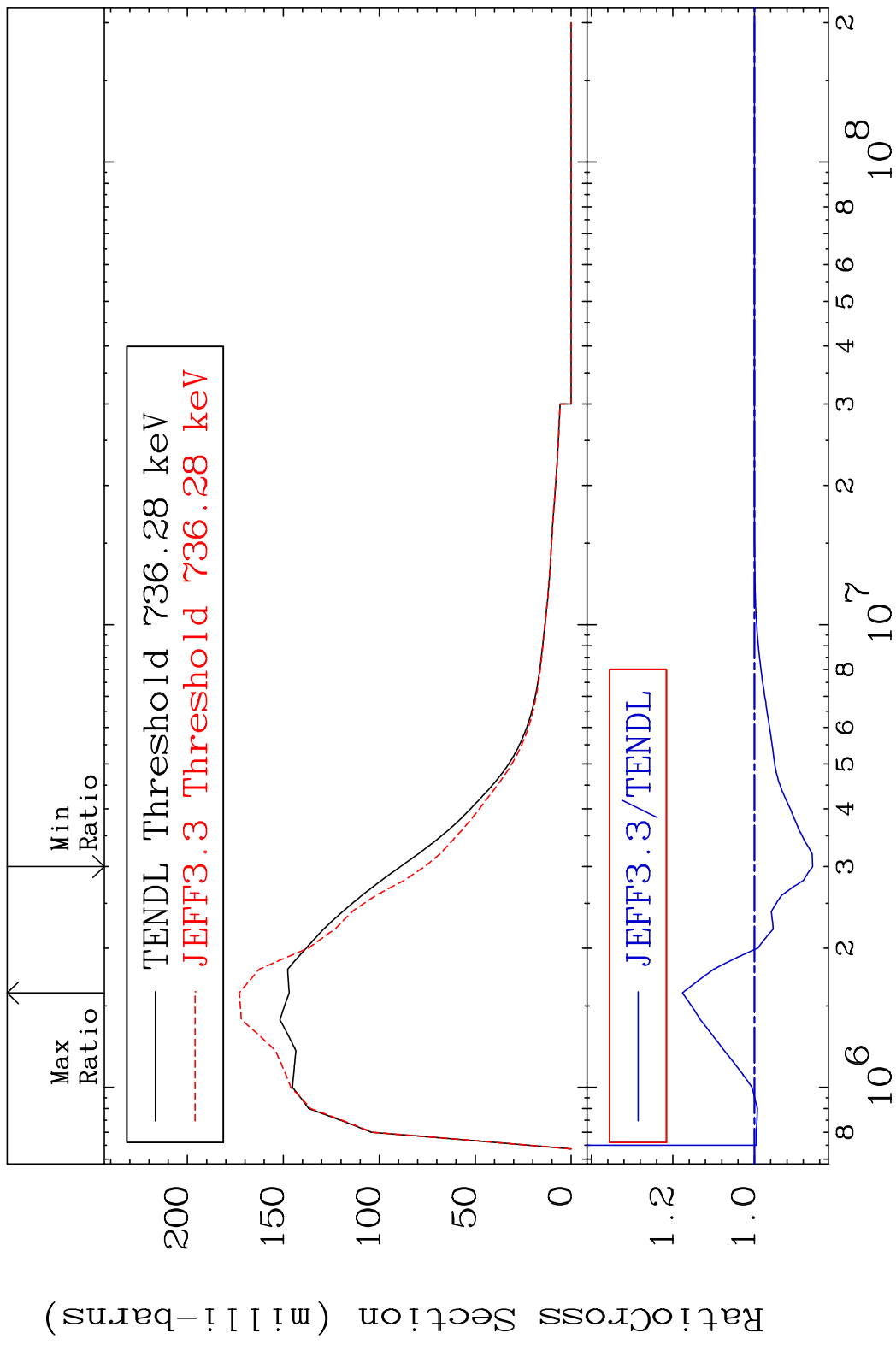
MAT 2125 MT= 52 (n, n') Level 21-Sc-45
 Cross Section -37.51 To 26.75 %



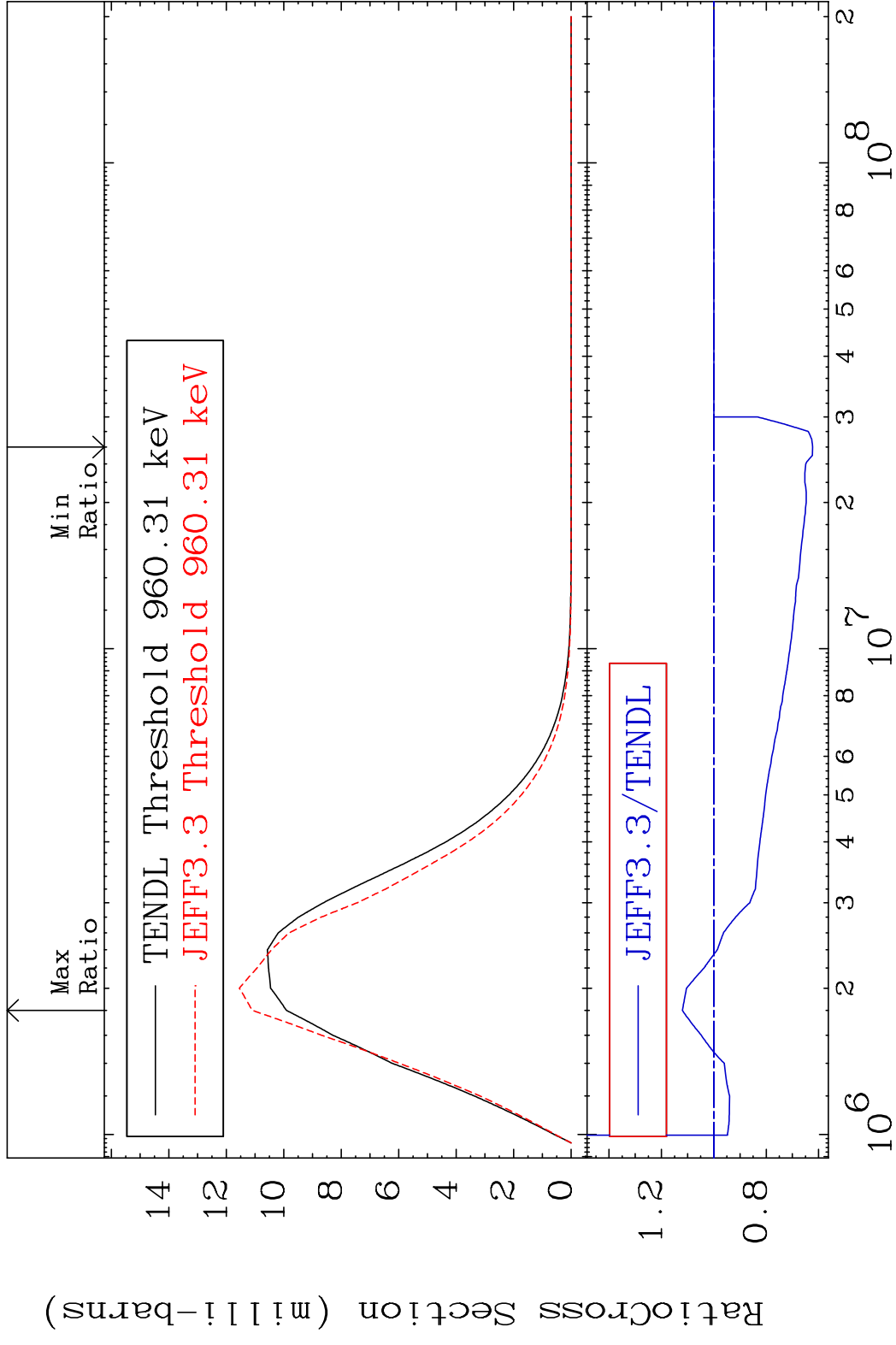
MAT 2125 MT= 53 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 5.051 %



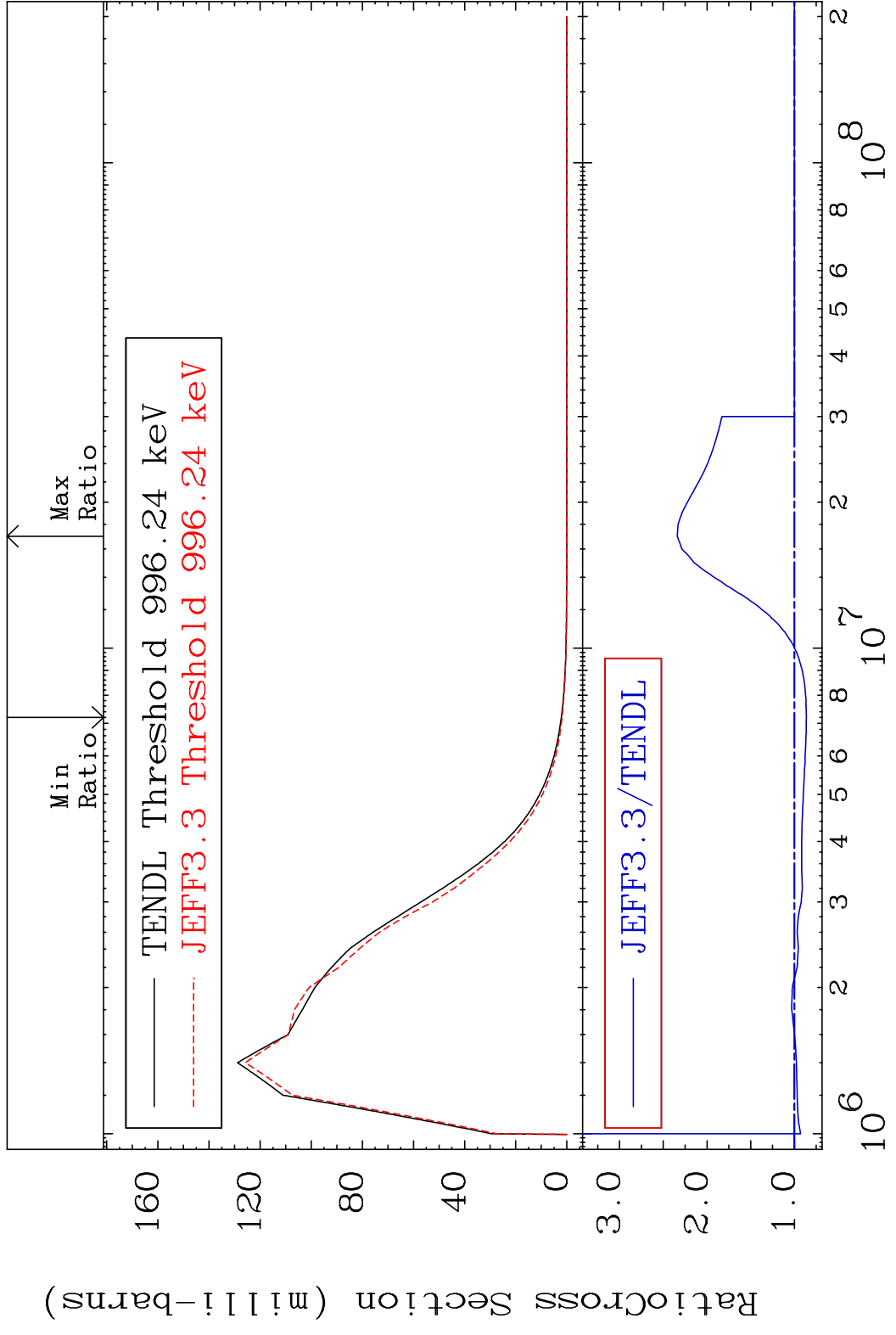
MAT 2125 MT= 54 (n,n') Level 21-Sc-45
 Cross Section -14.27 To 17.68 %



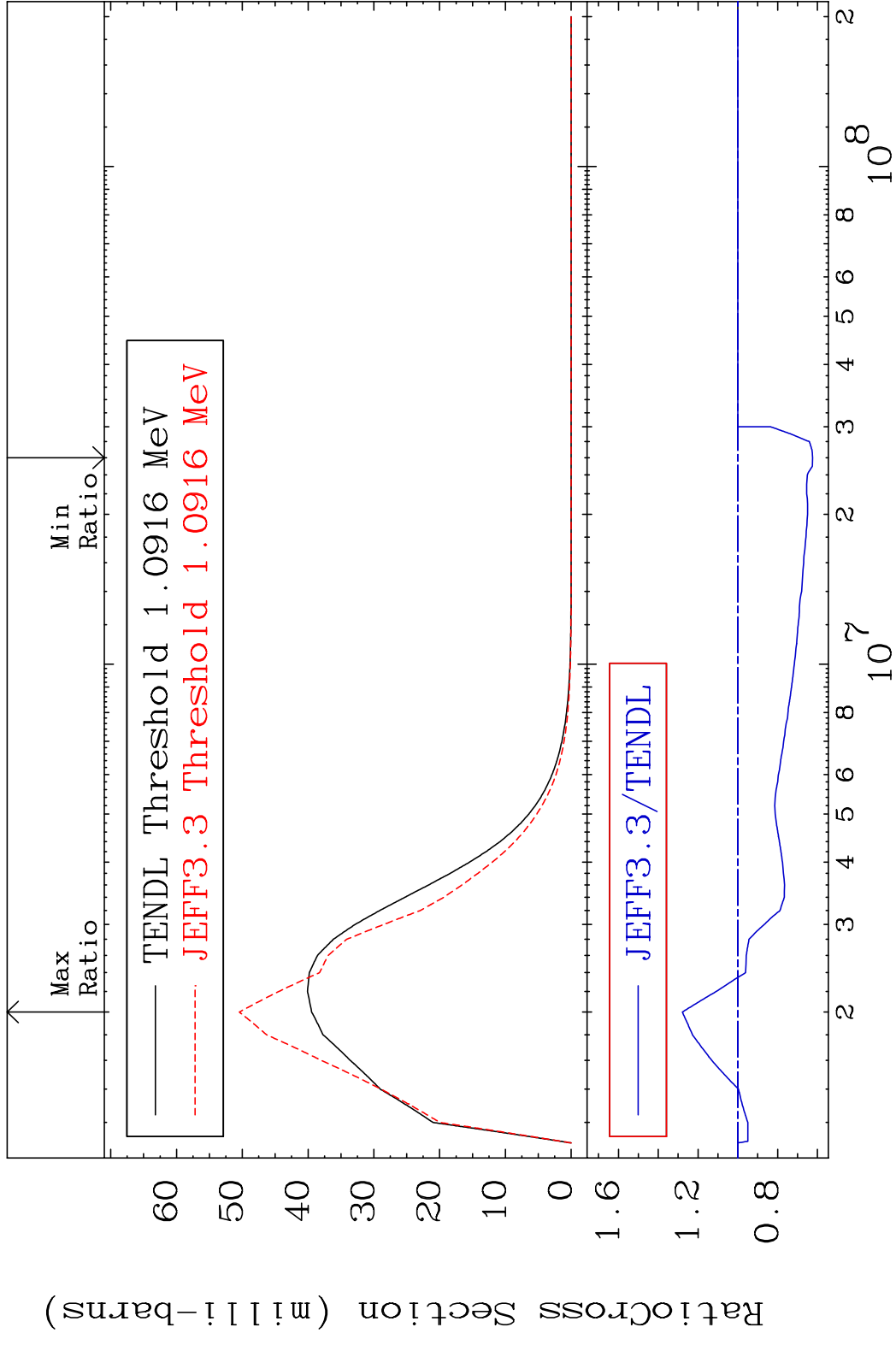
MAT 2125 MT= 55 (n,n') Level 21-Sc-45
 Cross Section -37.69 To 12.02 %



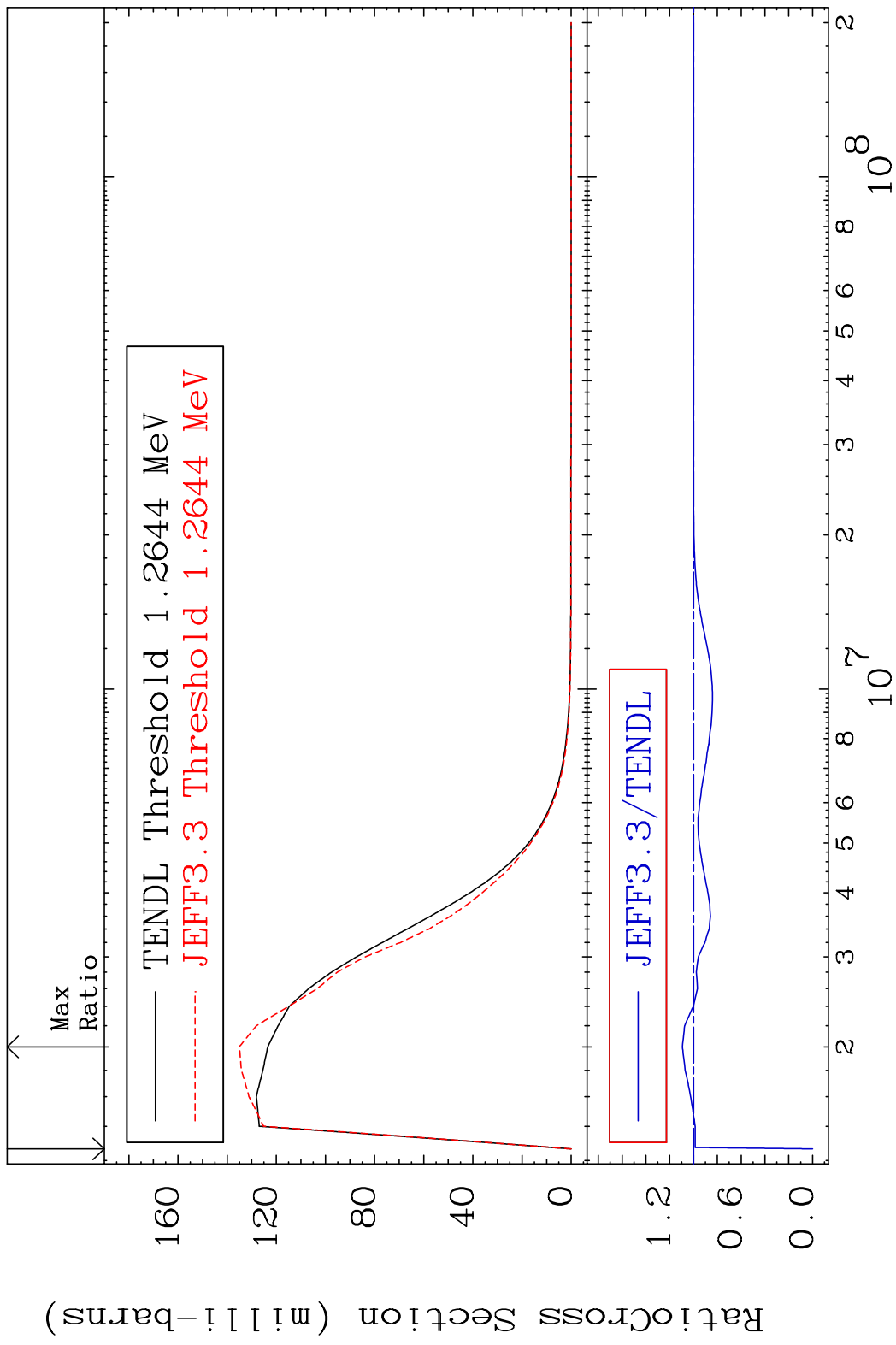
MAT 2125 MT= 56 (n, n') Level 21-Sc-45
 Cross Section -13.79 To 134.1 %



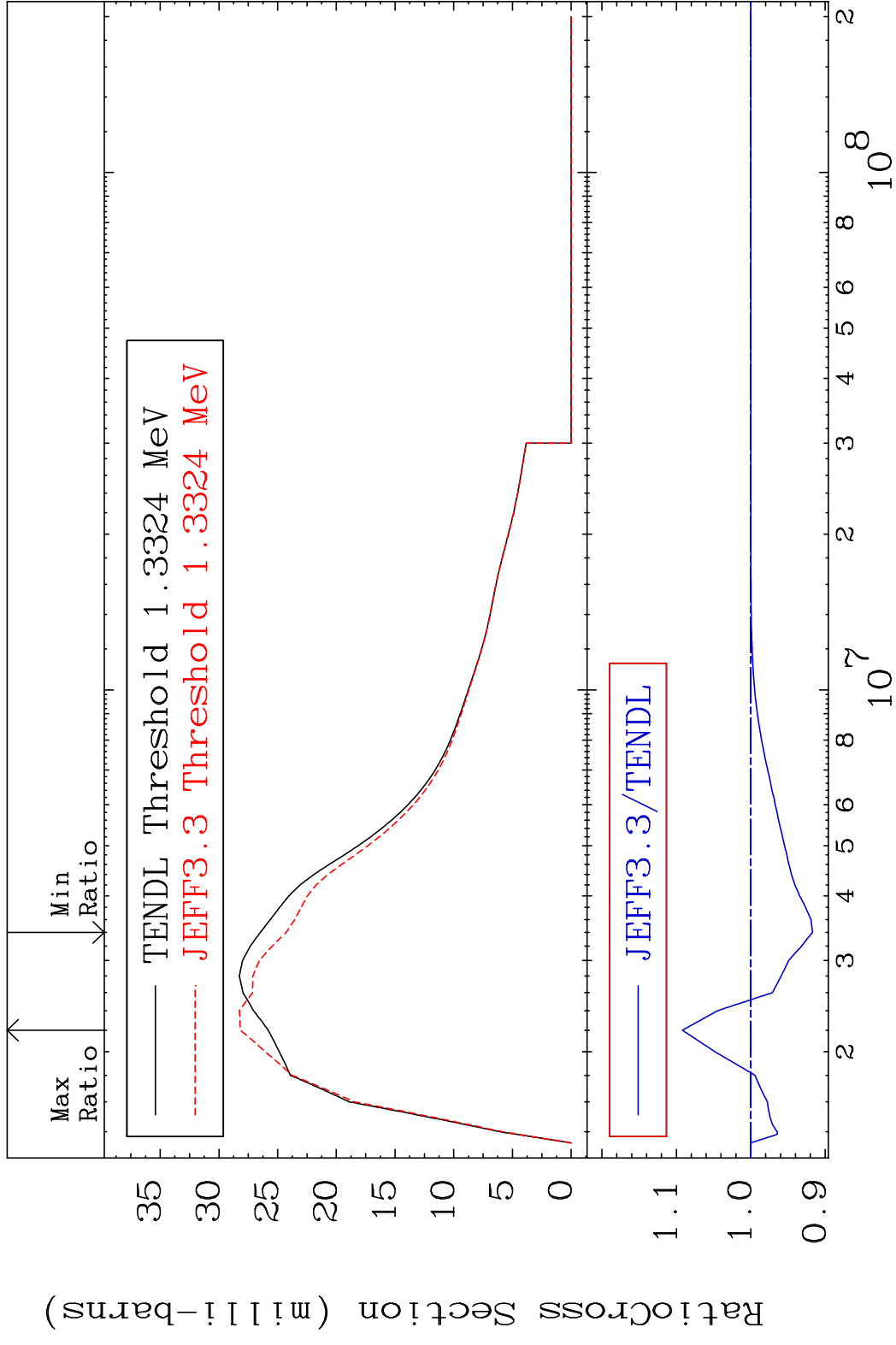
MAT 2125 MT= 57 (n, n') Level 21-Sc-45
 Cross Section -37.54 To 27.89 %



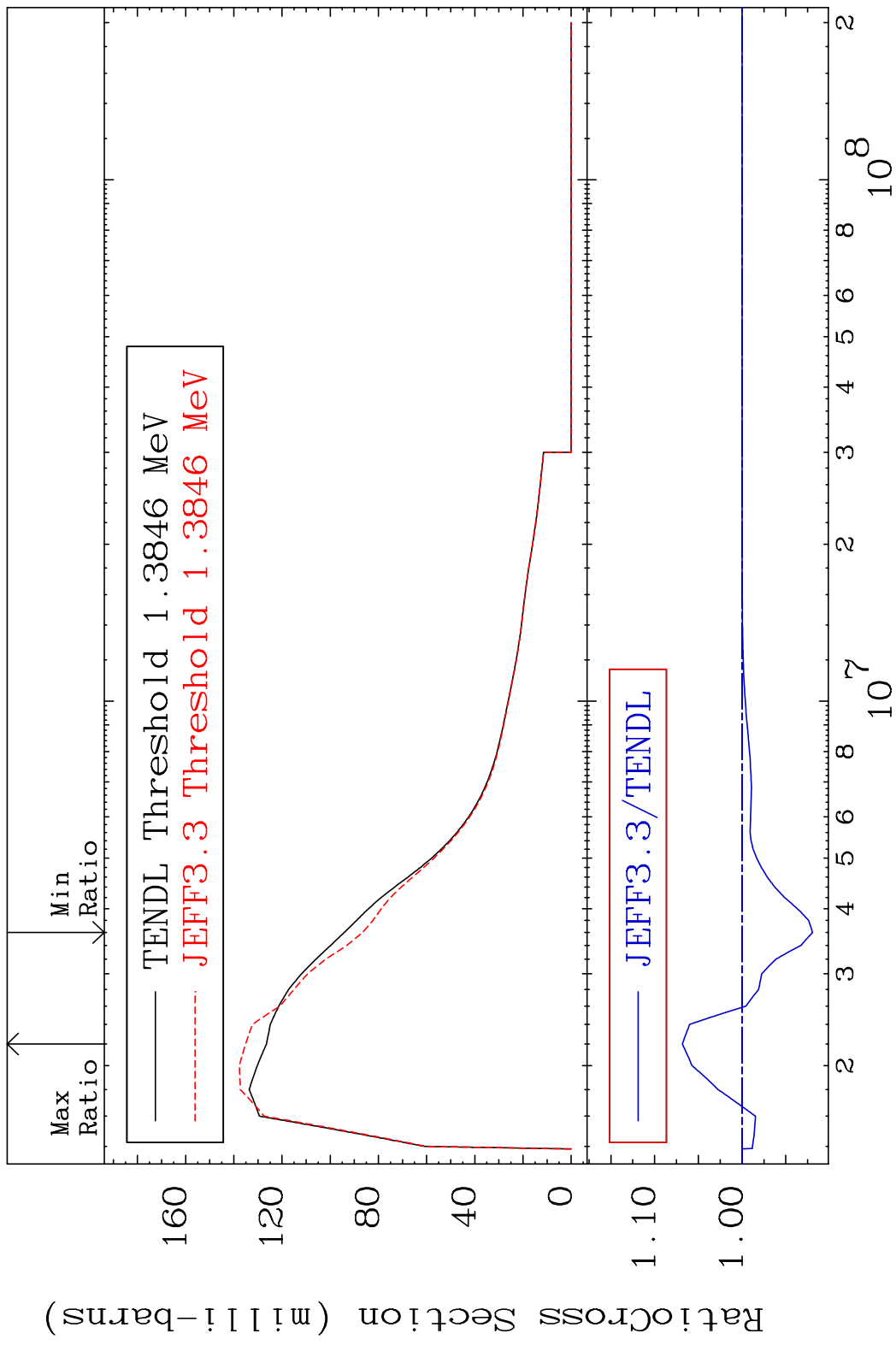
MAT 2125 MT= 58 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 9.367 %



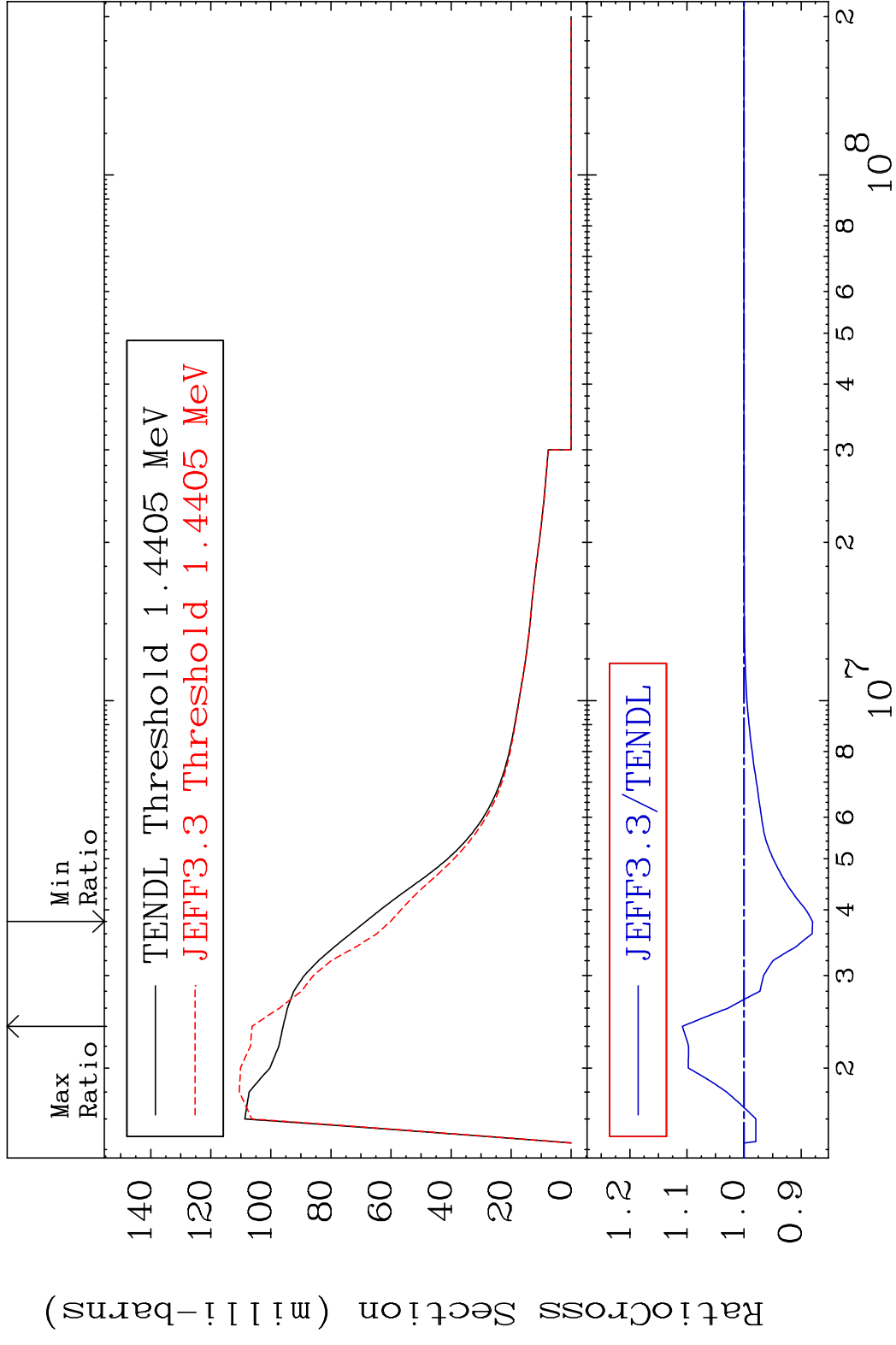
MAT 2125 MT= 59 (n, n') Level 21-Sc-45
 Cross Section -8.298 To 9.194 %



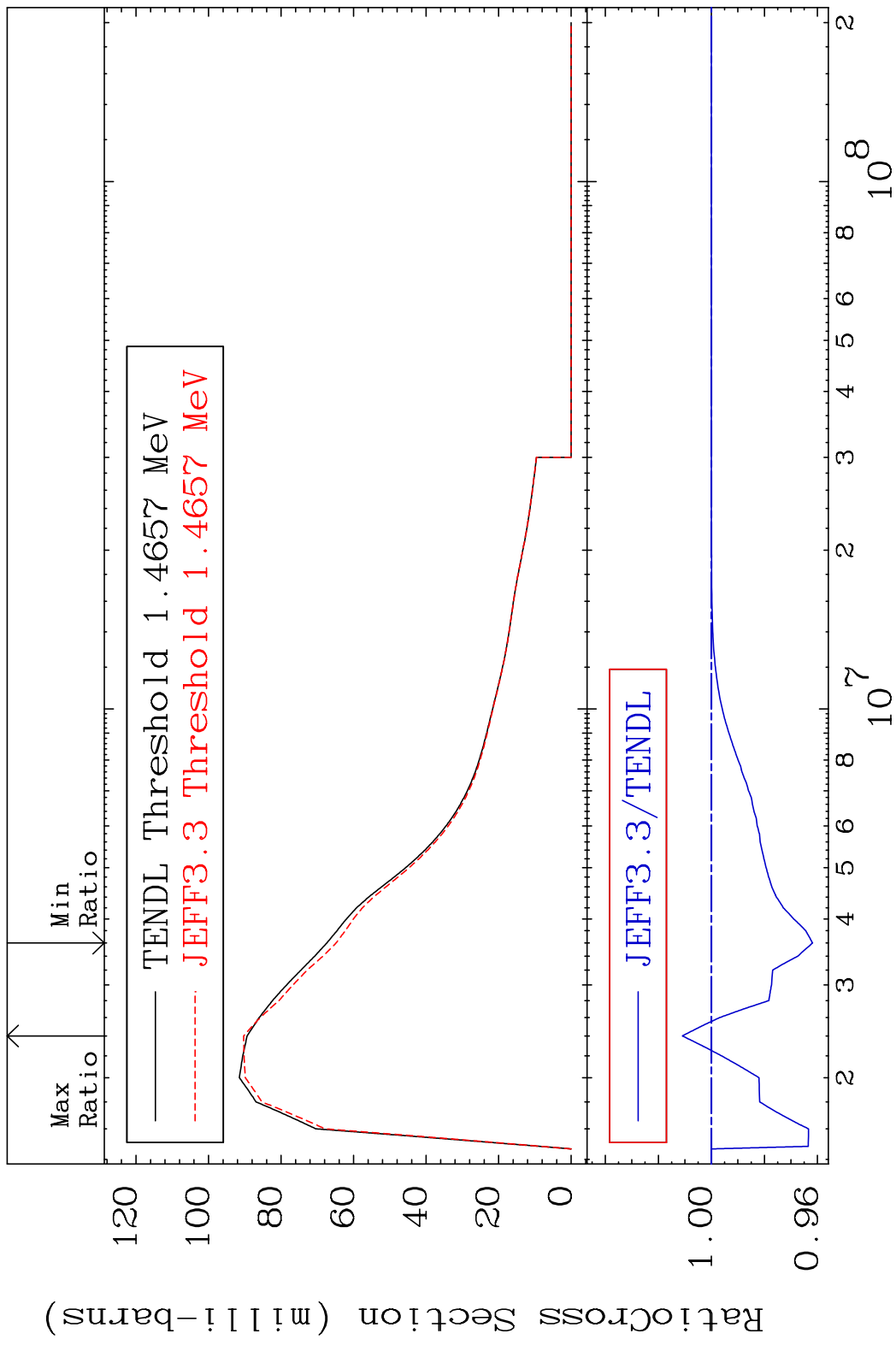
MAT 2125 MT= 60 (n,n') Level 21-Sc-45
 Cross Section -8.062 To 6.829 %



MAT 2125 MT= 61 (n, n') Level 21-Sc-45
 Cross Section -12.00 To 10.80 %

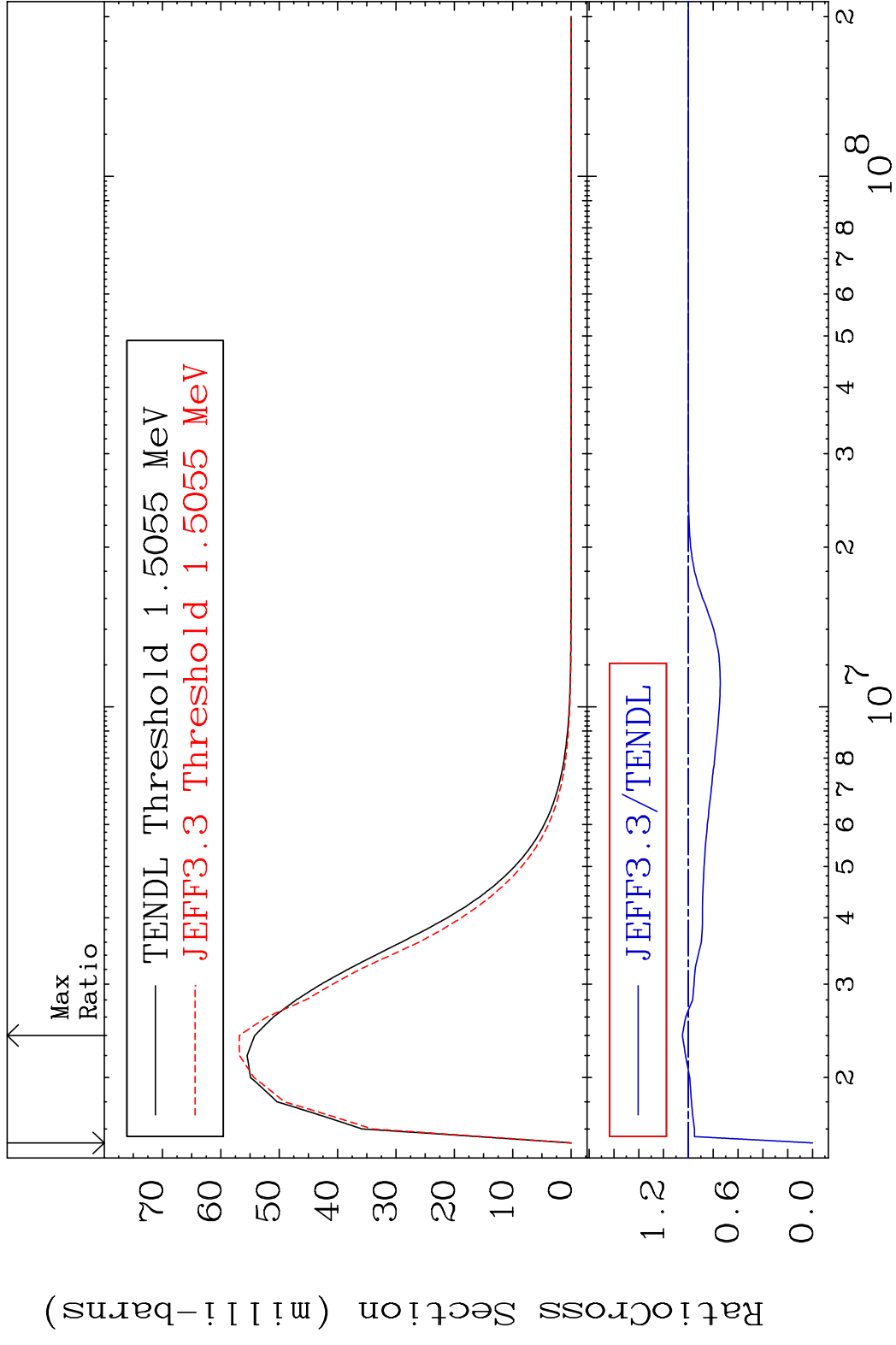


MAT 2125 MT= 62 (n,n') Level 21-Sc-45
 Cross Section -3.814 To 1.095 %

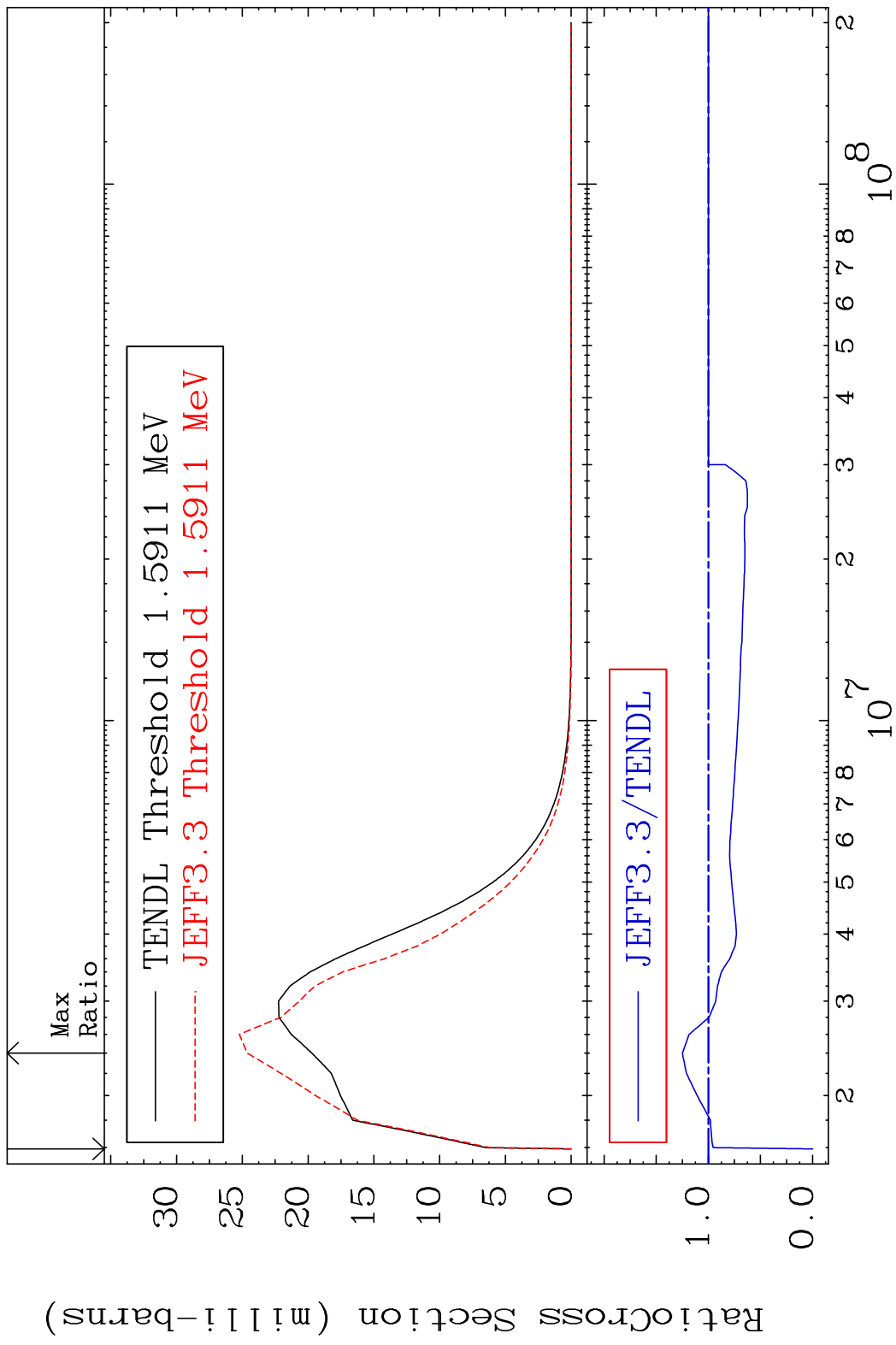


30 Incident Energy (eV) 21-Sc-45

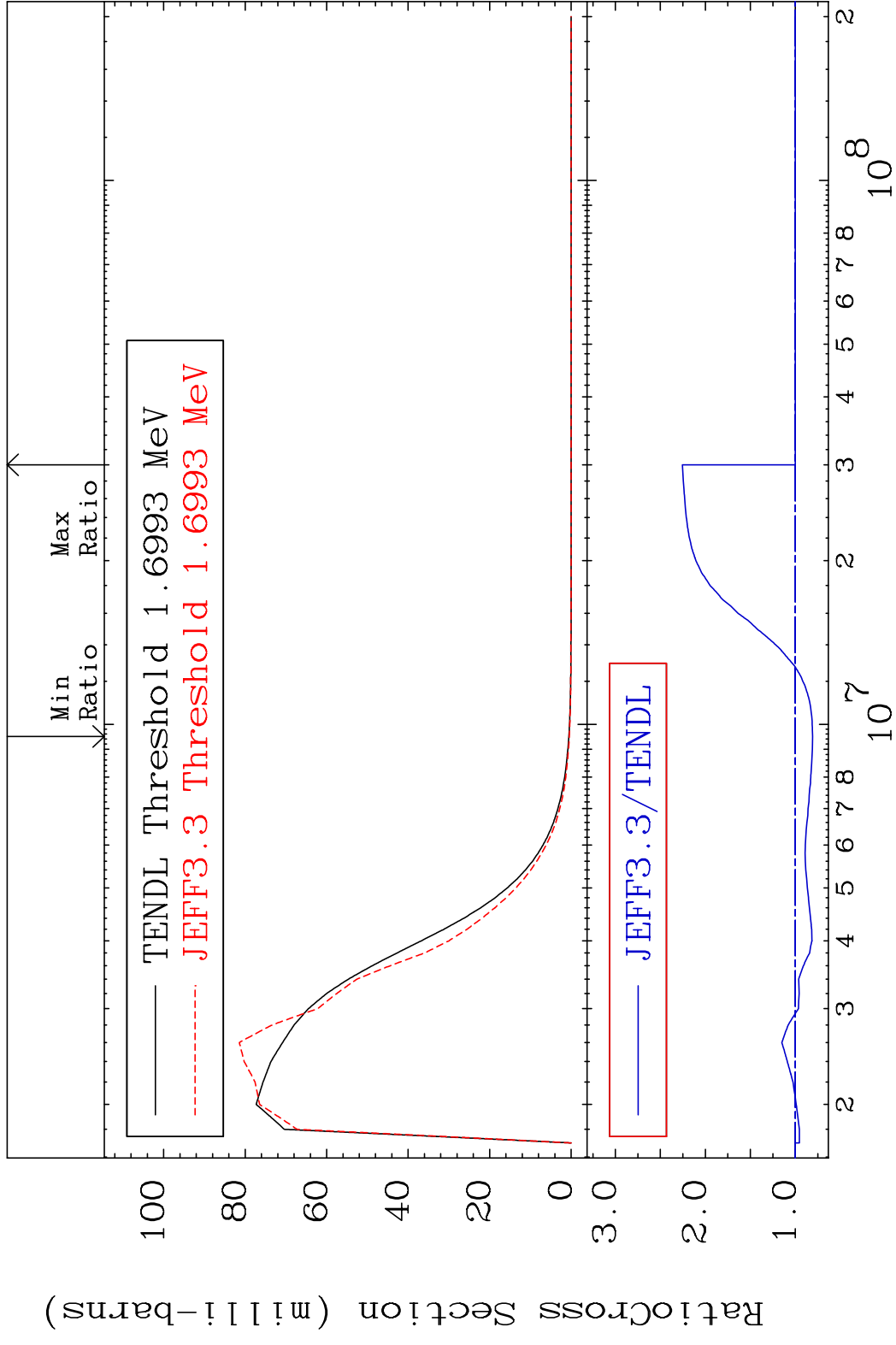
MAT 2125 MT= 63 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 4.873 %



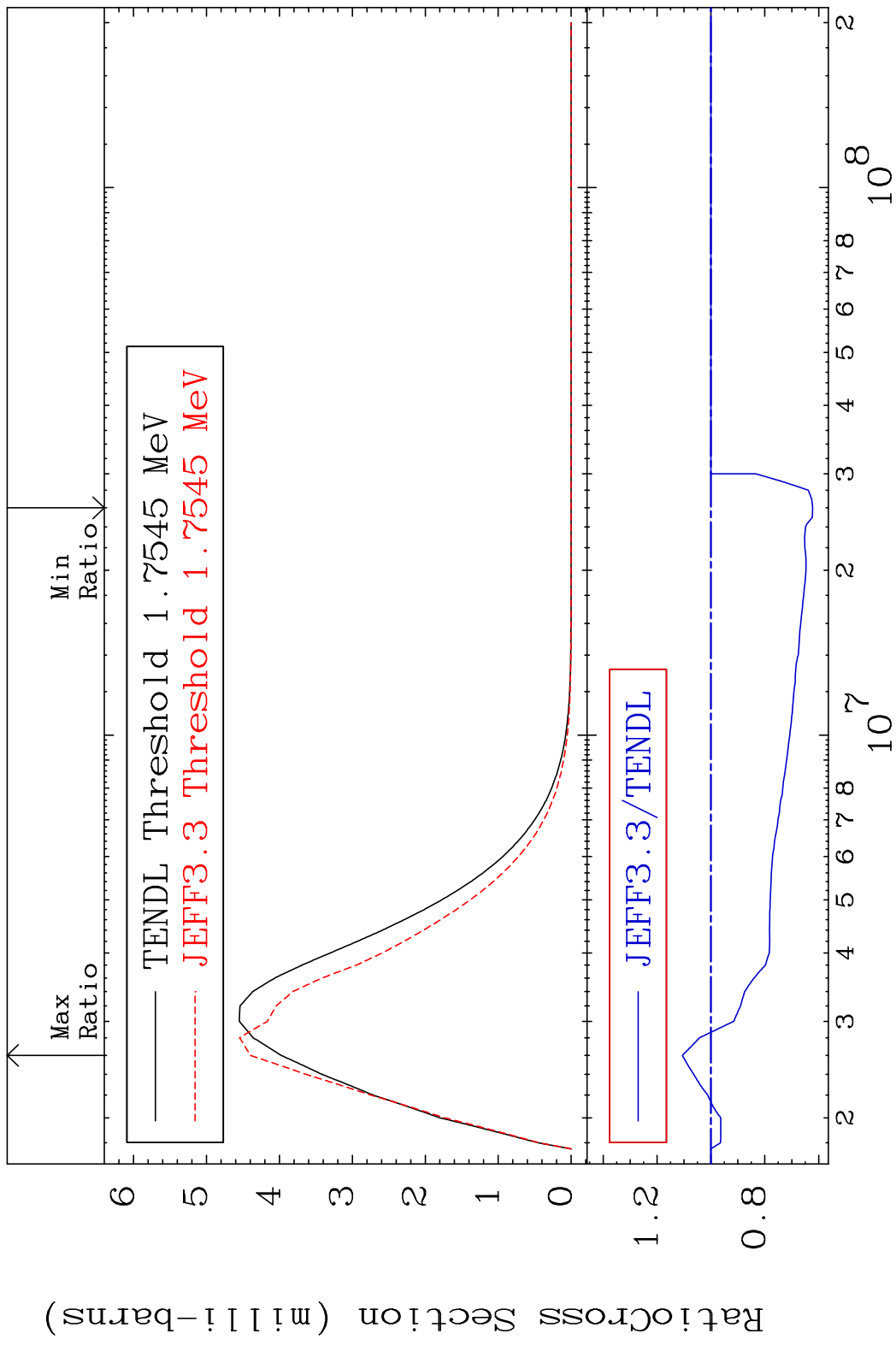
MAT 2125 MT= 64 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 24.95 %



MAT 2125 MT= 65 (n, n') Level 21-Sc-45
 Cross Section -19.15 To 125.6 %

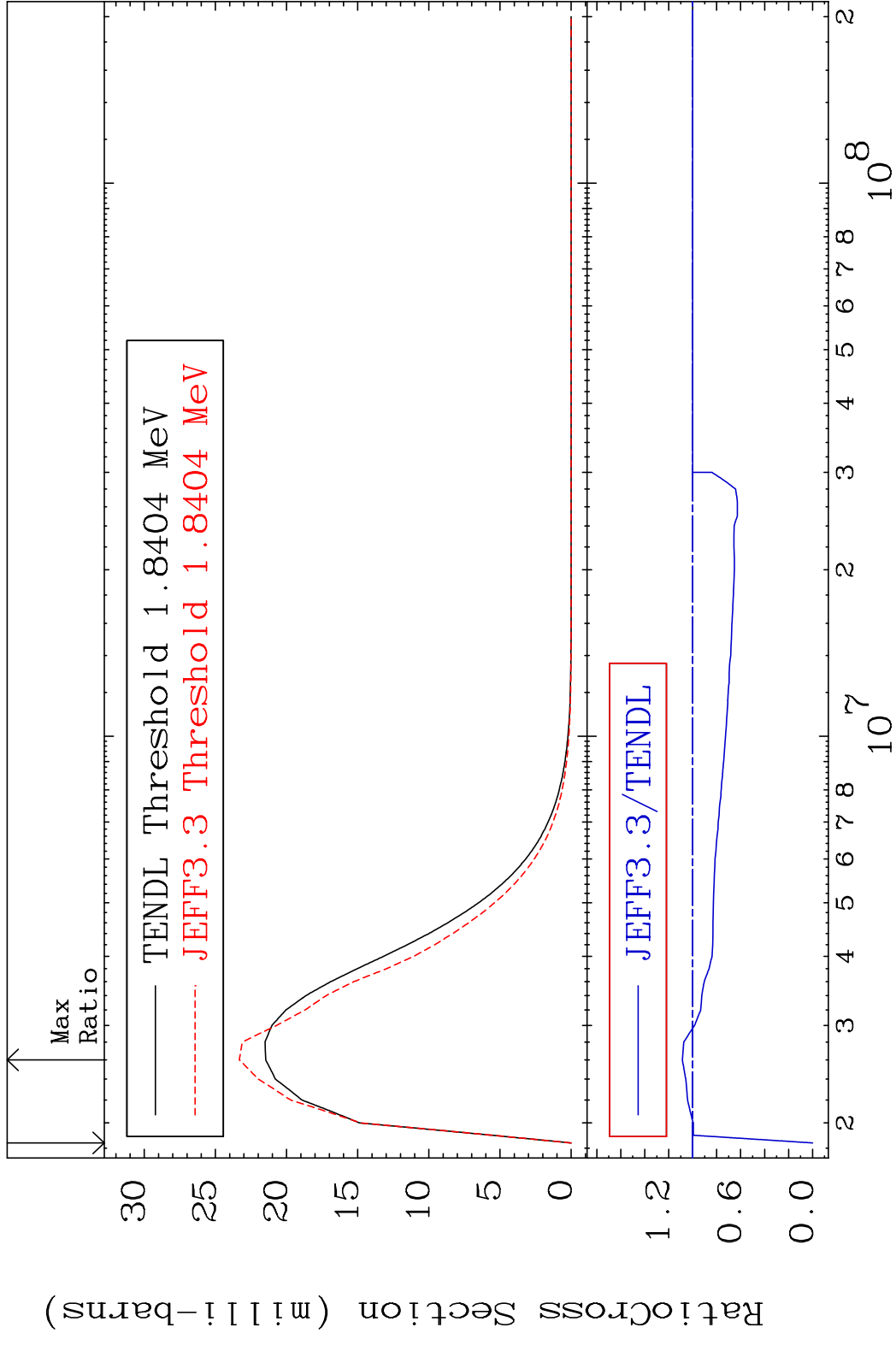


MAT 2125 MT= 66 (n, n') Level 21-Sc-45
 Cross Section -37.72 To 10.60 %

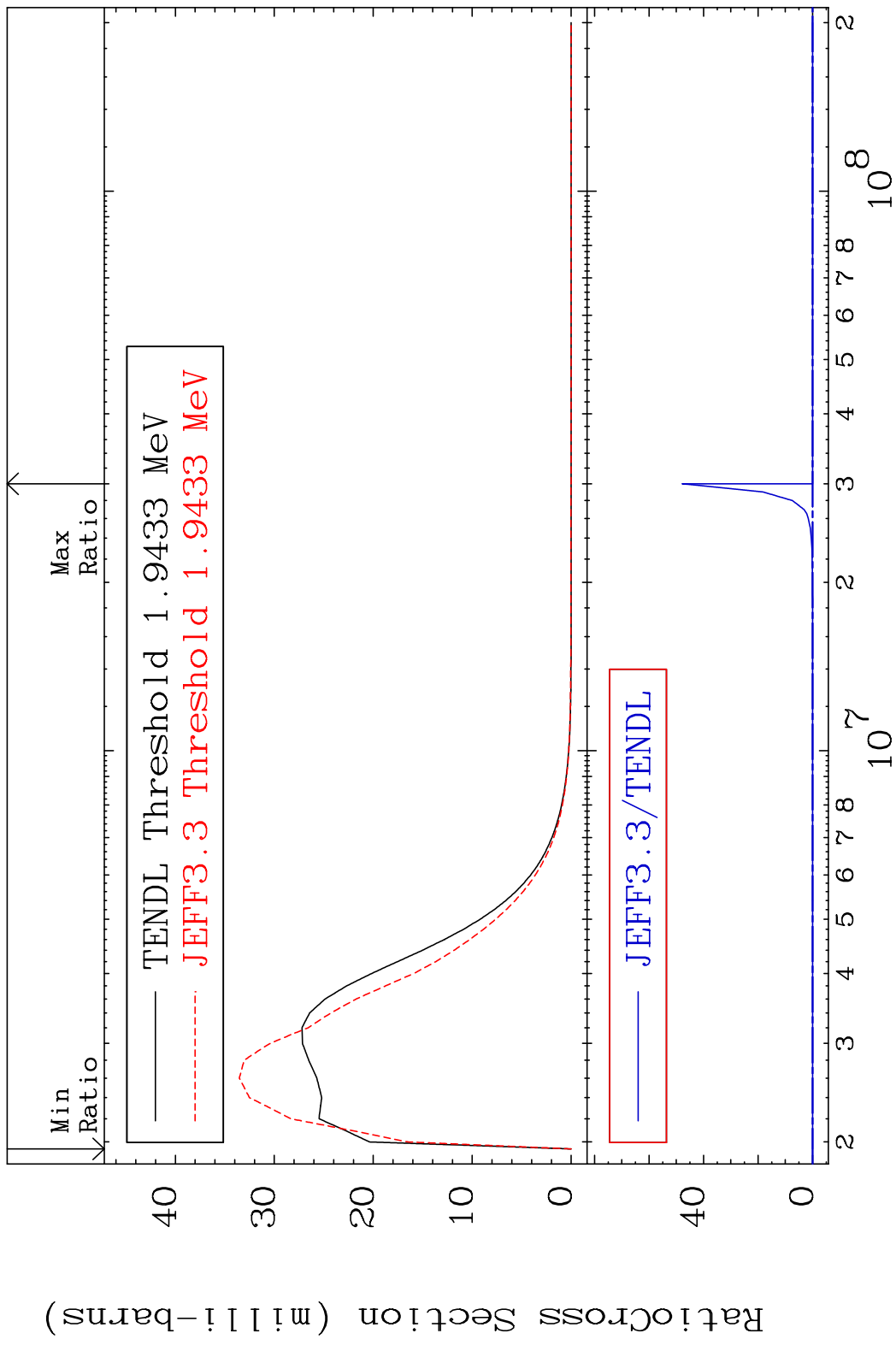


34 Incident Energy (eV) 21-Sc-45

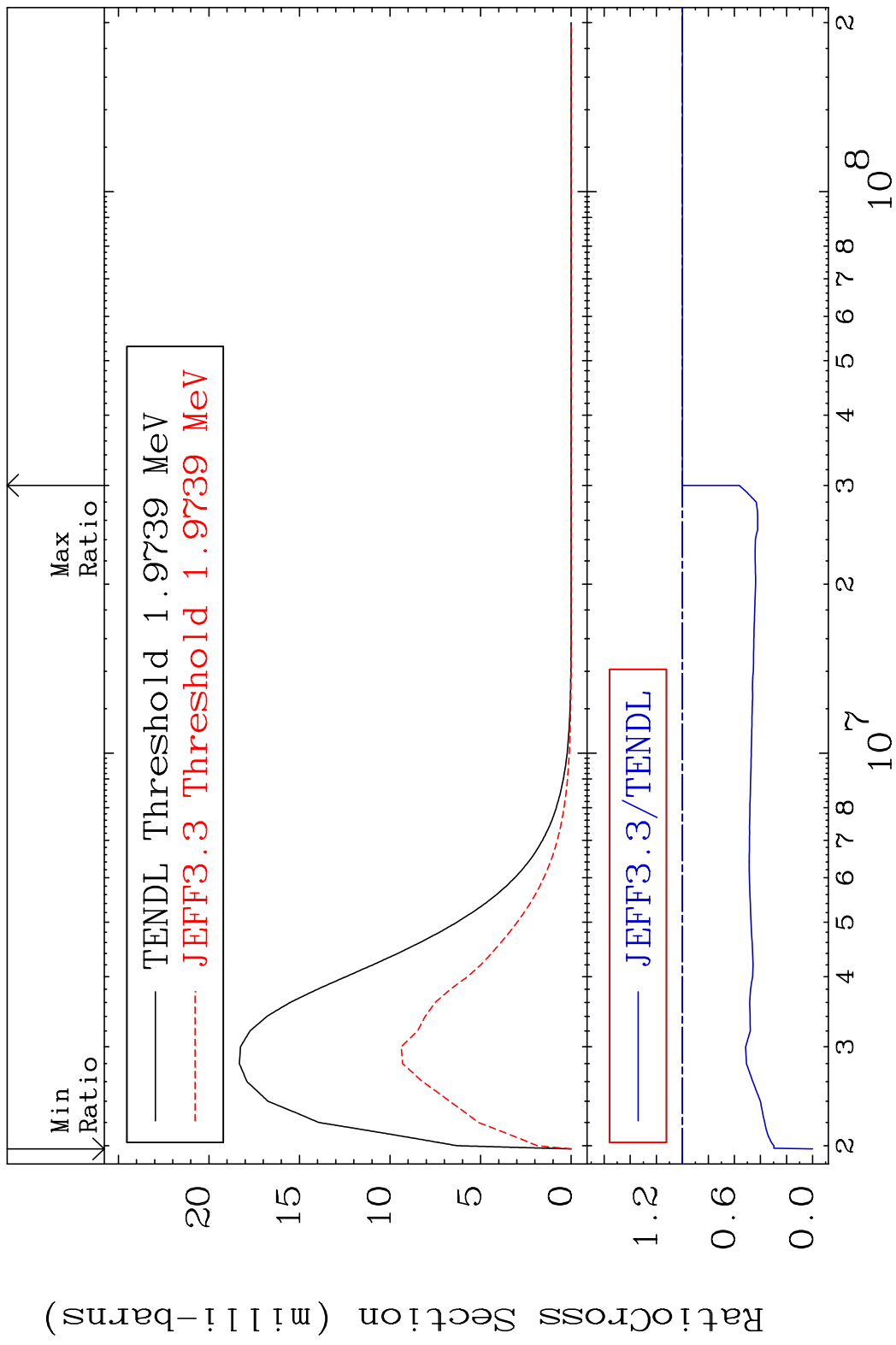
MAT 2125 MT= 67 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 8.627 %



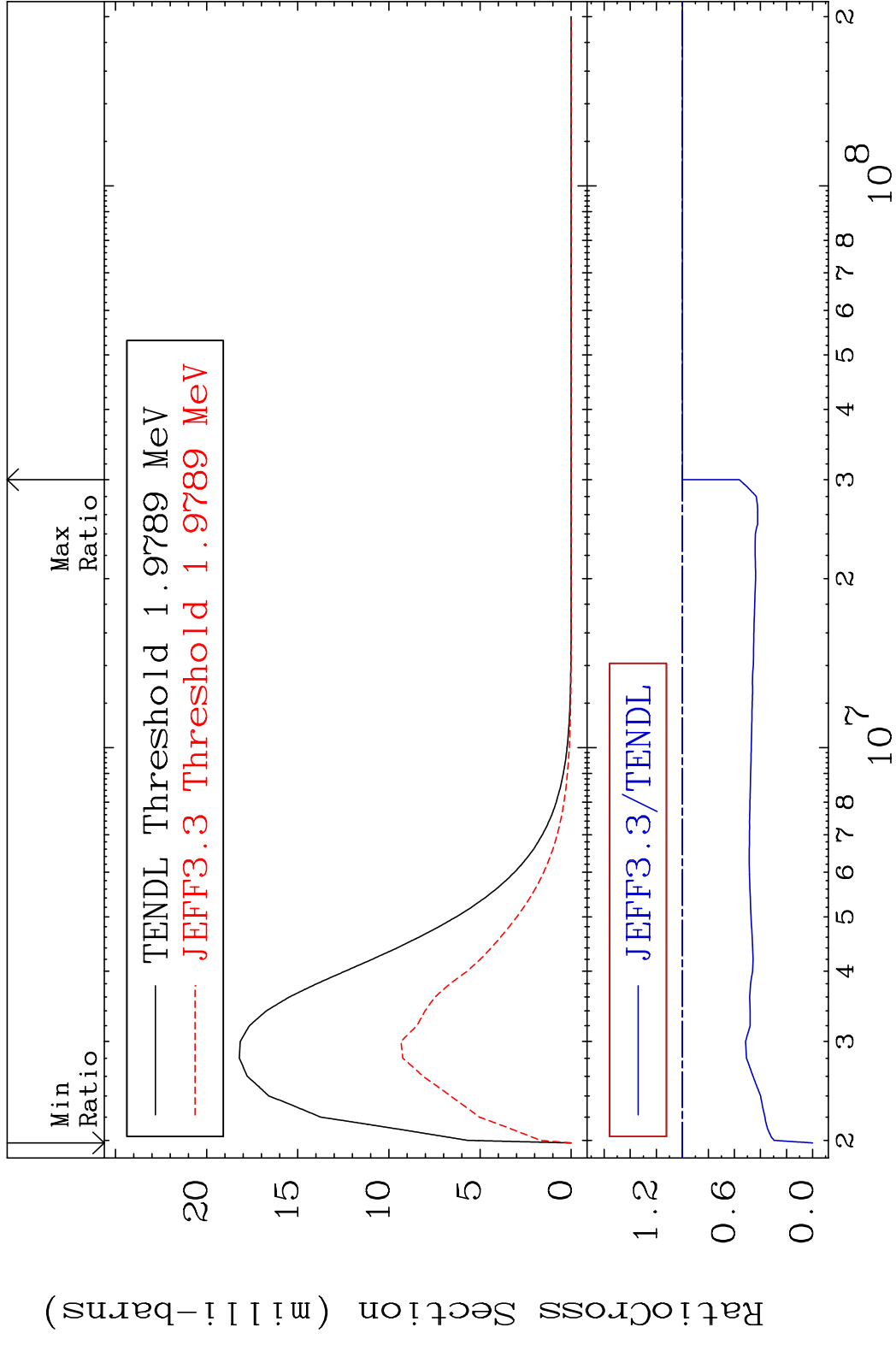
MAT 2125 MT= 68 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 9999. %



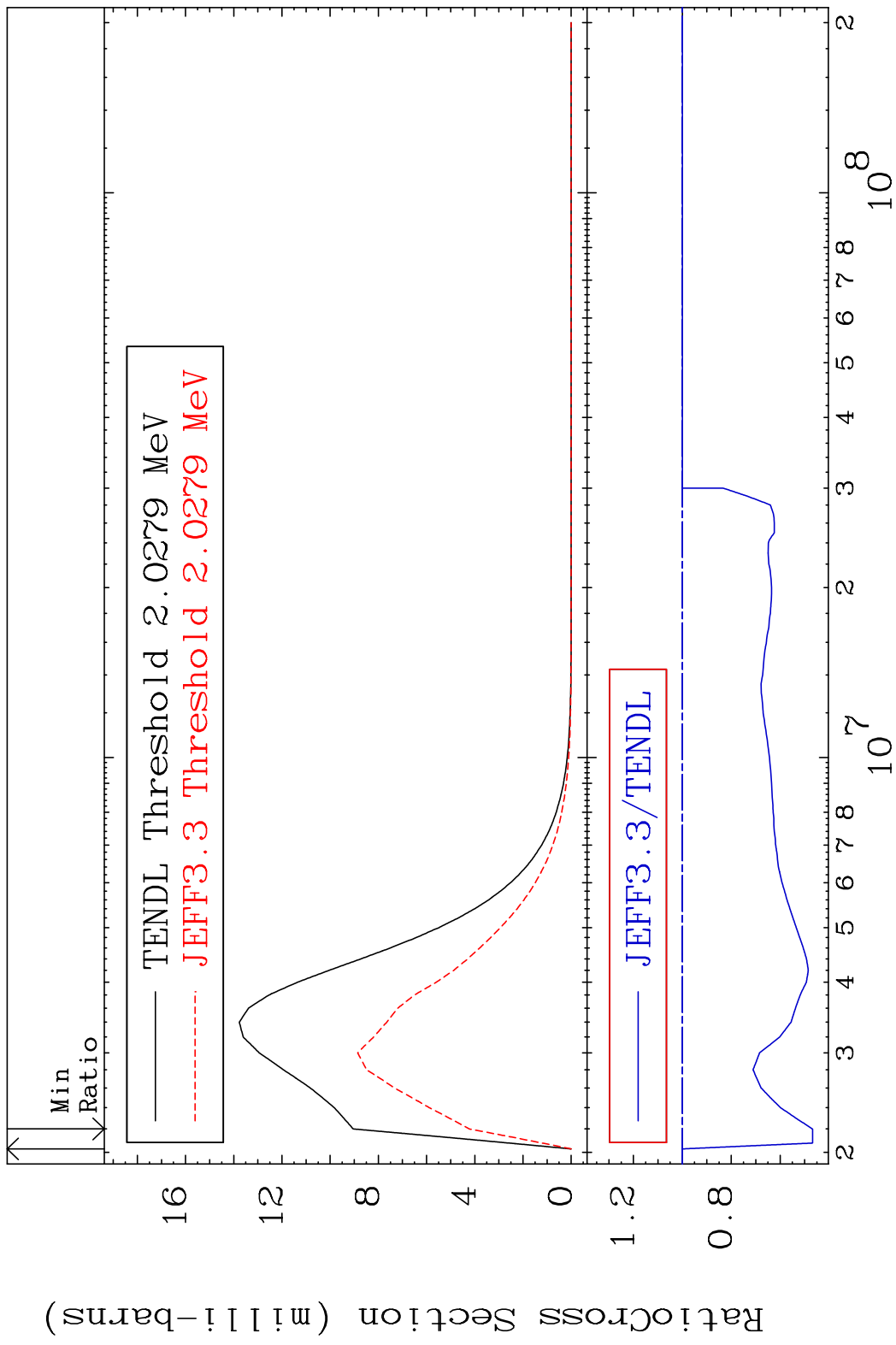
MAT 2125 MT= 69 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 0.000 %



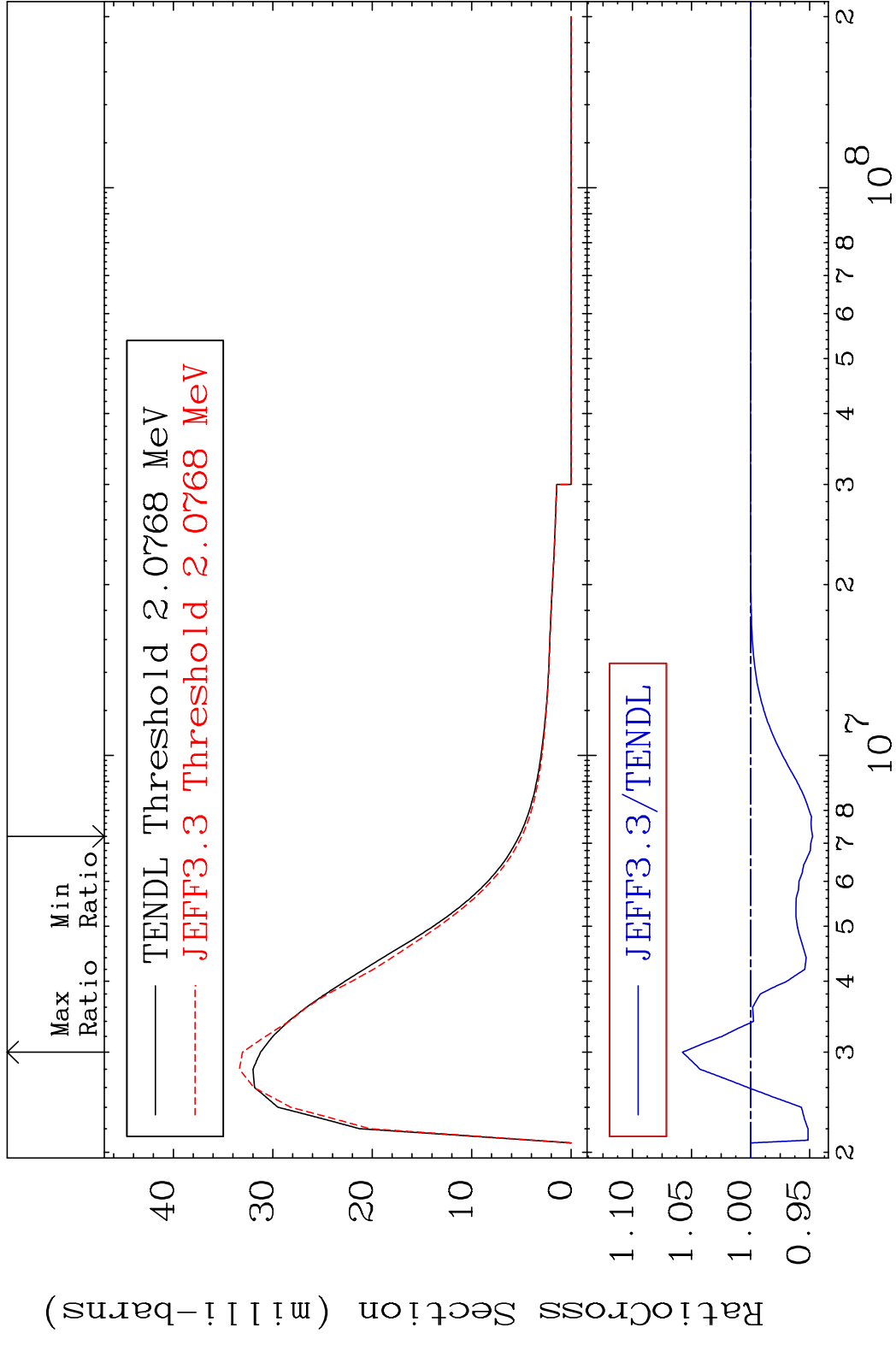
MAT 2125 MT= 70 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 0.000 %



MAT 2125 MT= 71 (n, n') Level 21-Sc-45
 Cross Section -53.23 To 0.000 %

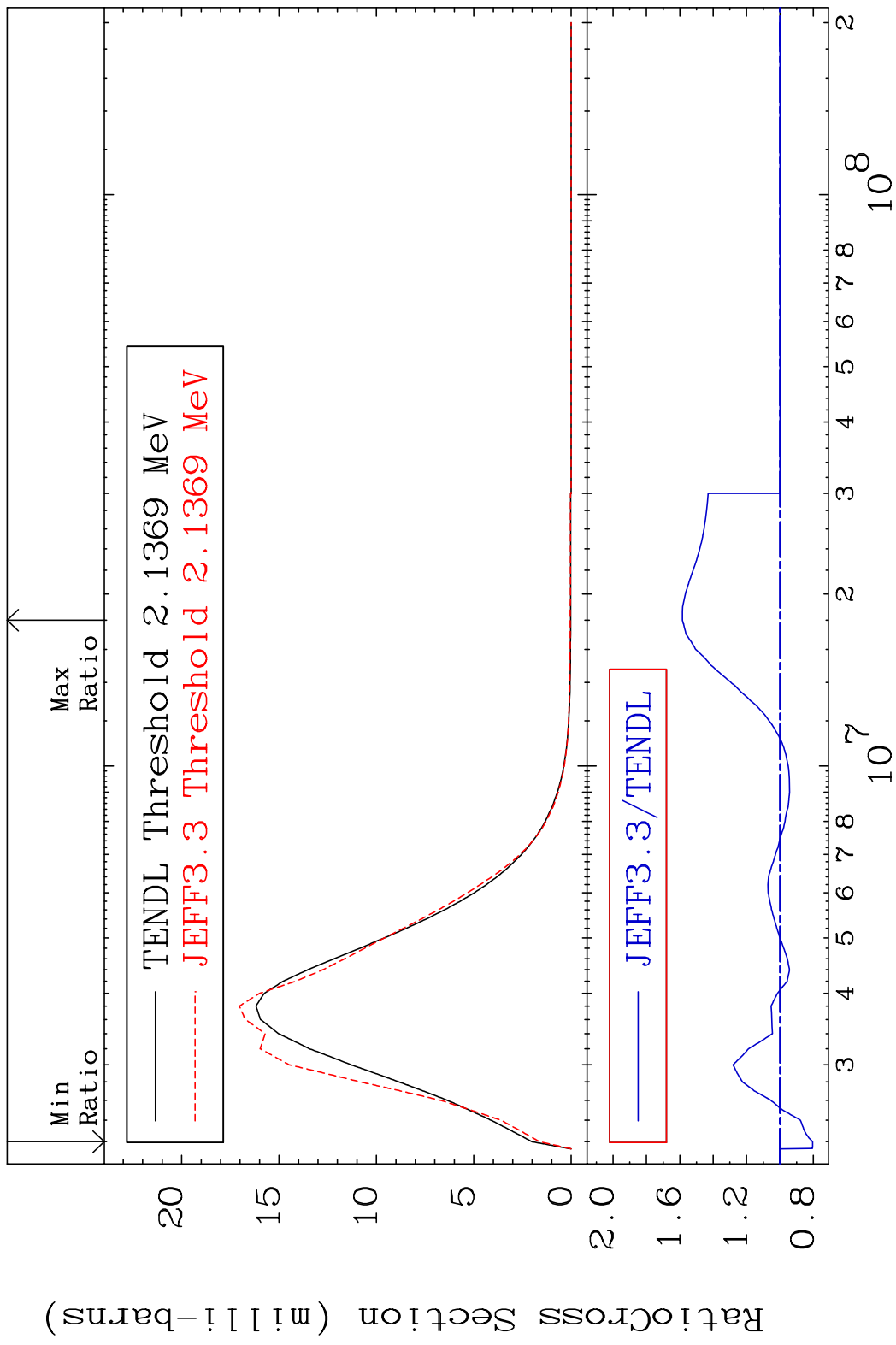


MAT 2125 MT= 72 (n, n') Level 21-Sc-45
 Cross Section -5.243 To 5.778 %

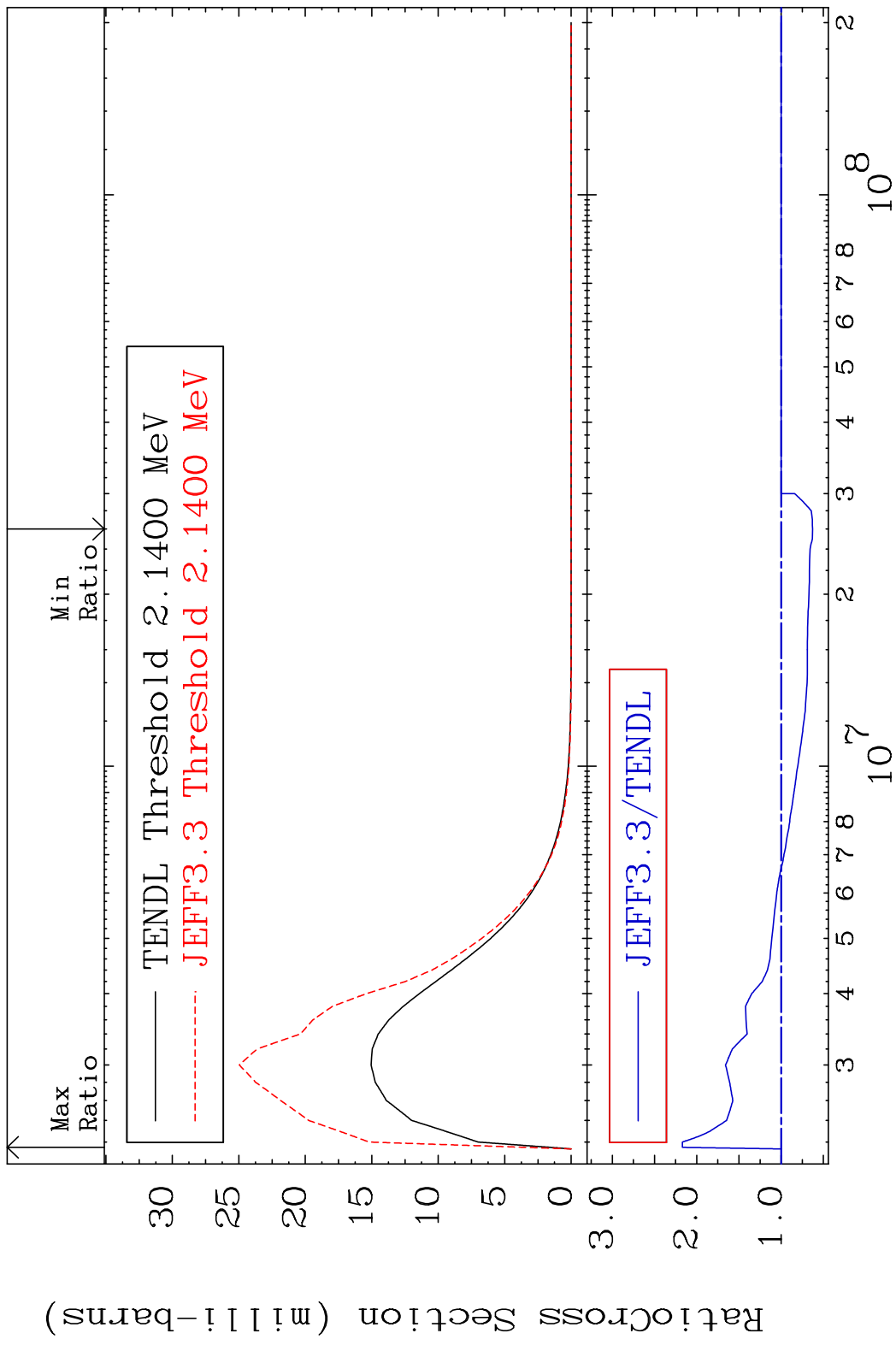


40 Incident Energy (eV) 21-Sc-45

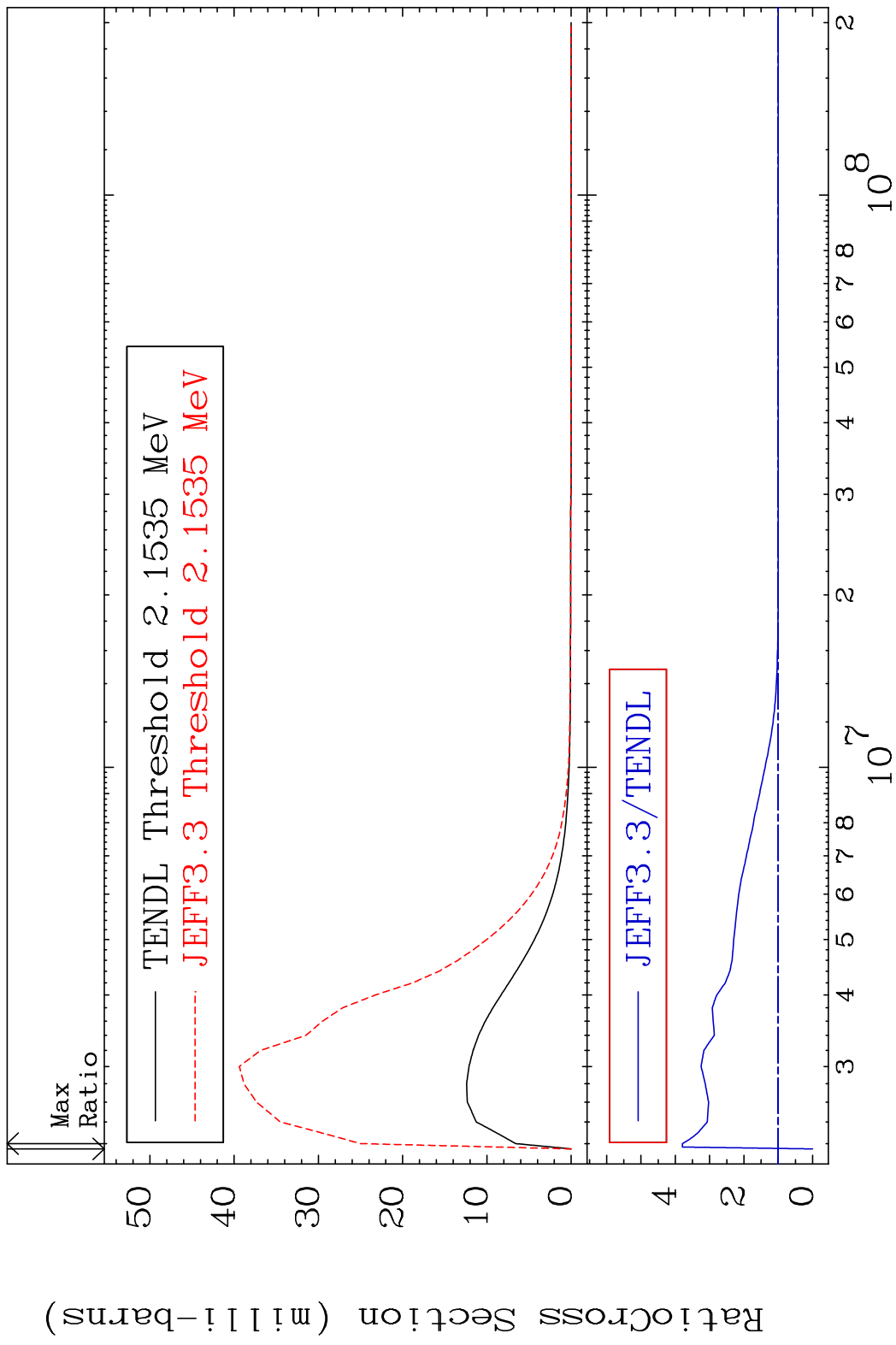
MAT 2125 MT= 73 (n, n') Level 21-Sc-45
 Cross Section -19.52 To 58.48 %



MAT 2125 MT= 74 (n, n') Level 21-Sc-45
 Cross Section -37.19 To 117.0 %

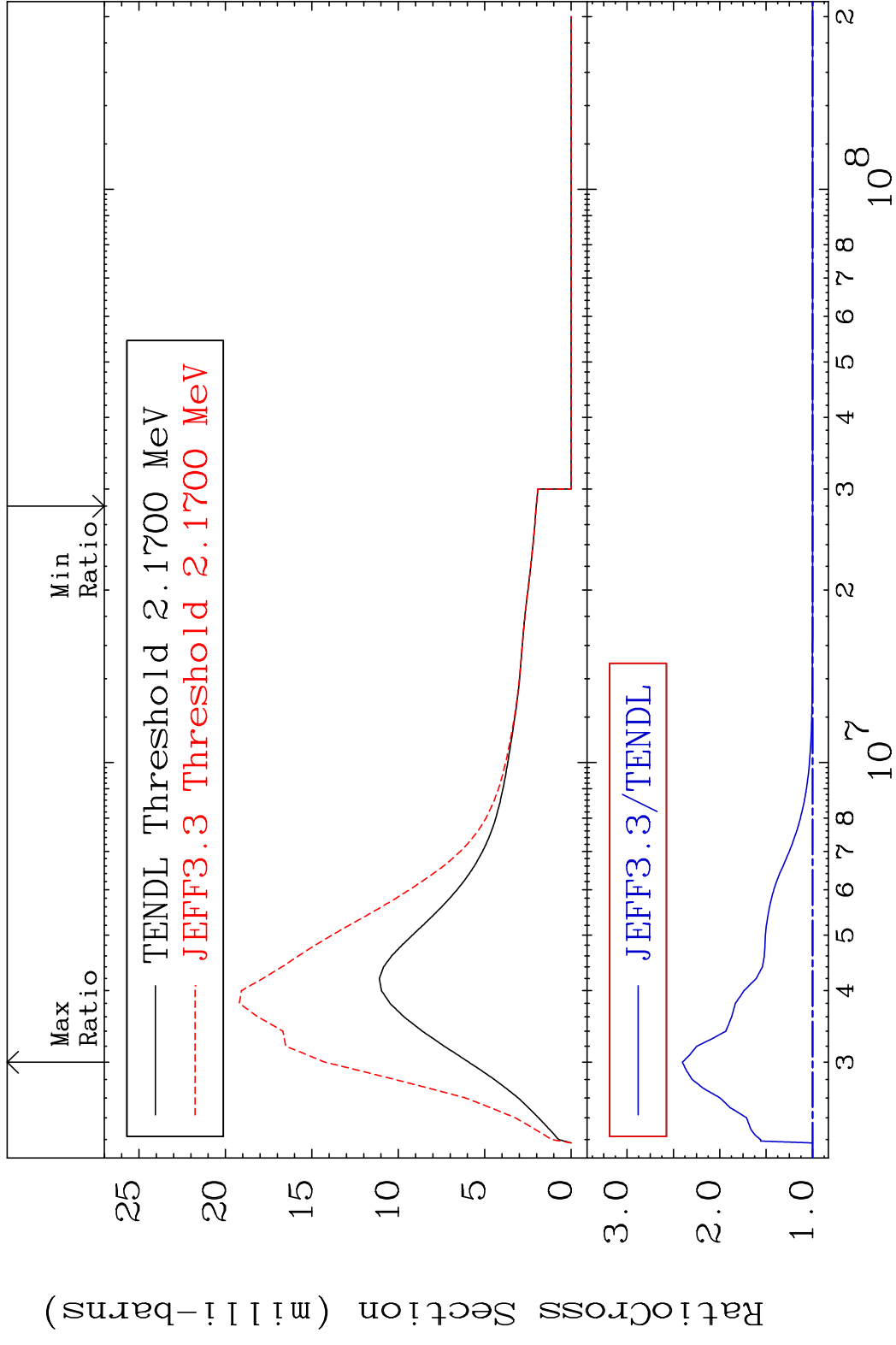


MAT 2125 MT= 75 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 279.4 %

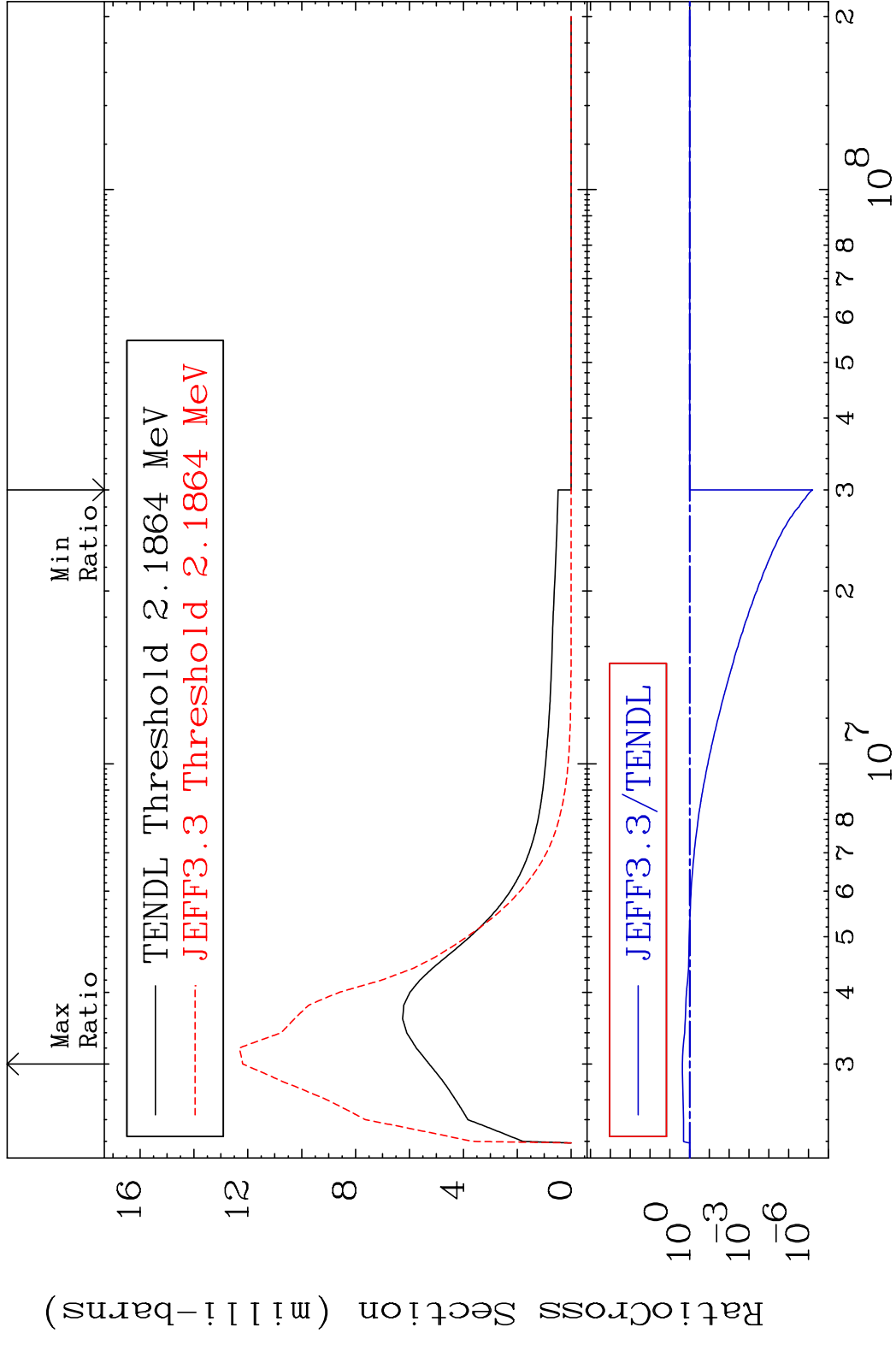


43 21-Sc-45

MAT 2125 MT= 76 (n, n') Level 21-Sc-45
 Cross Section 0.000 To 140.3 %

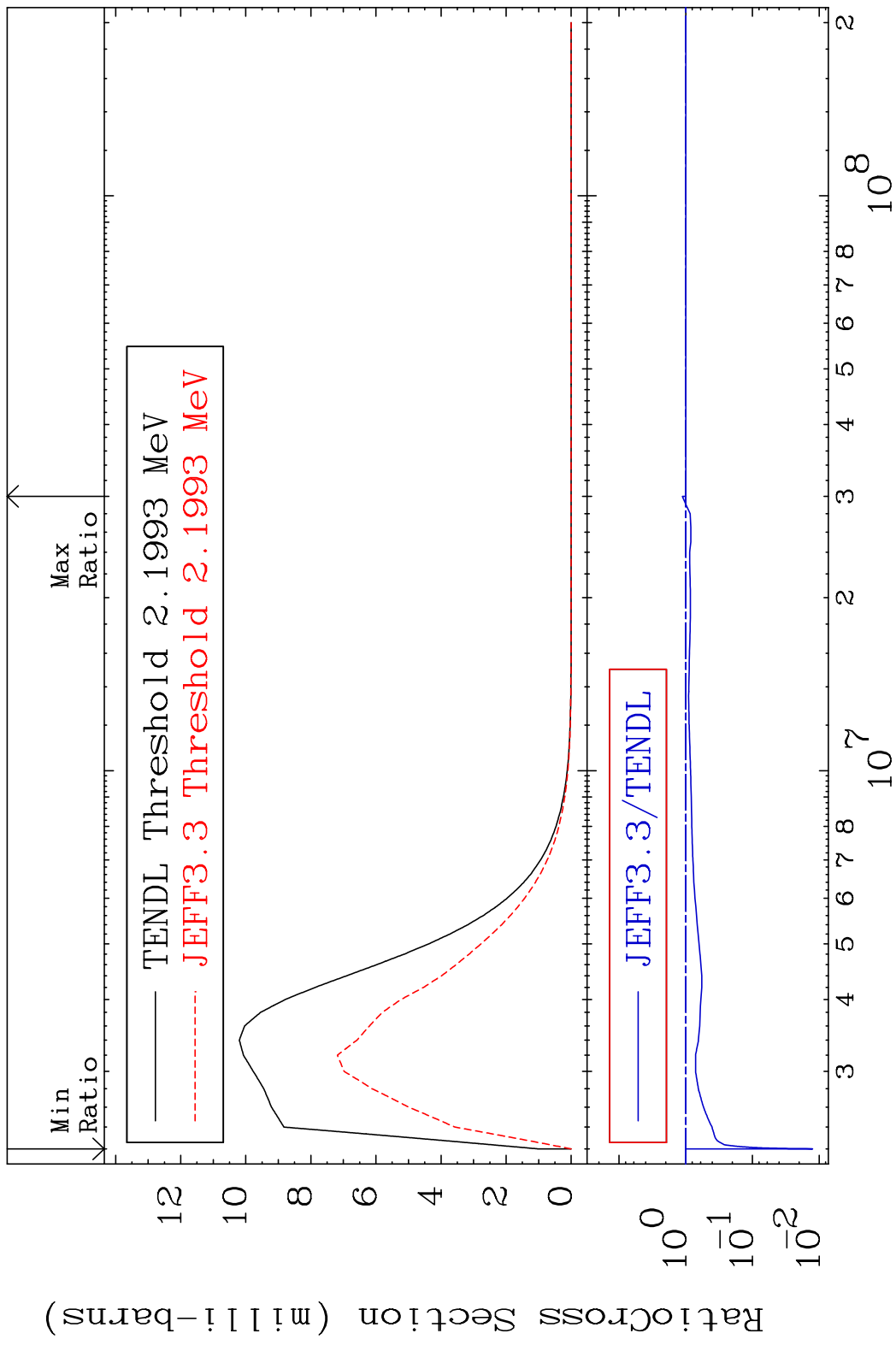


MAT 2125 MT= 77 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 131.2 %

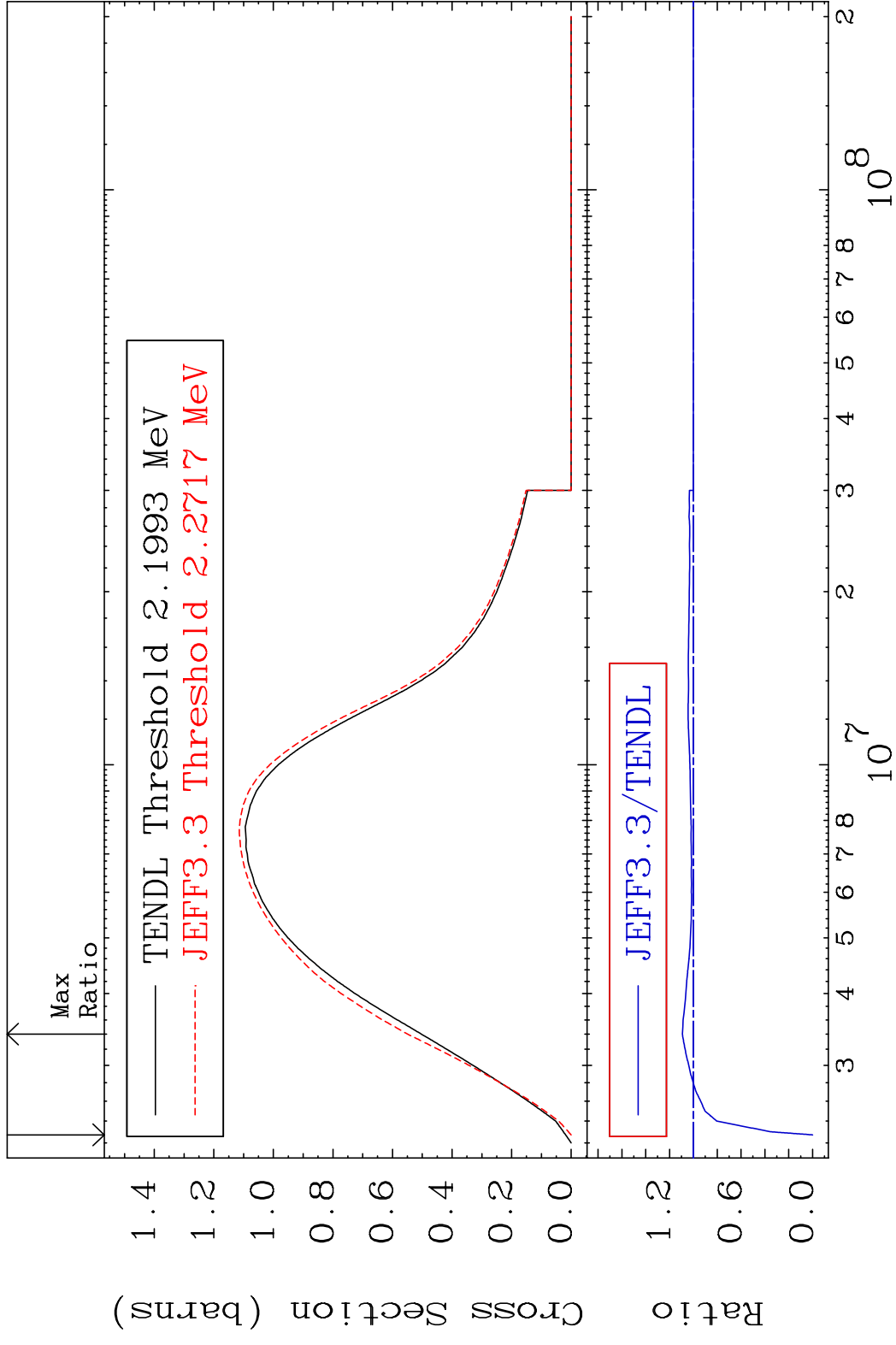


45 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 78 (n, n') Level 21-Sc-45
 Cross Section -98.74 To 12.56 %



MAT 2125 (n,n') Continuum 21-Sc-45
 Cross Section -100.0 To 9.244 %

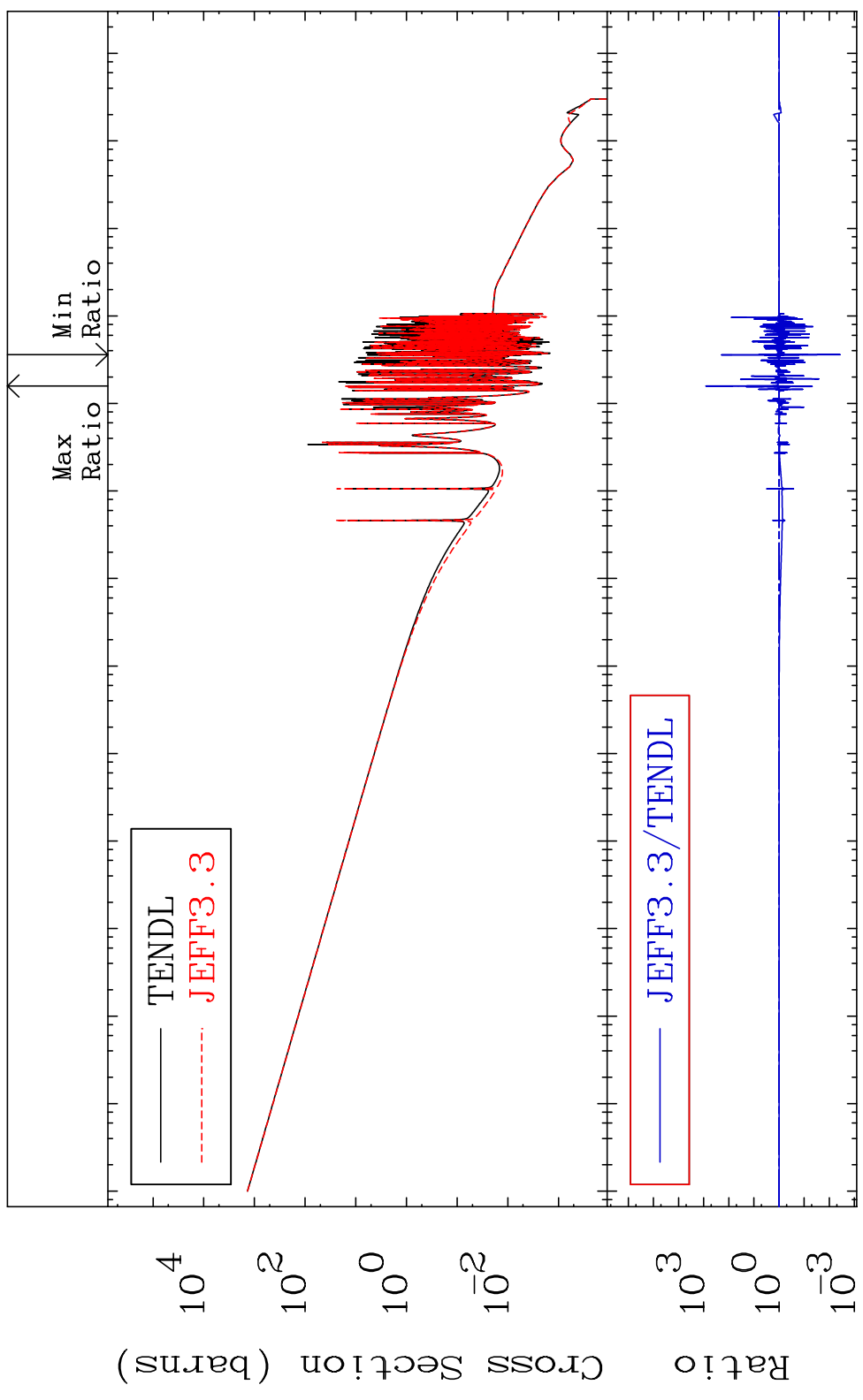


MAT 2125

(n, γ)

21-Sc-45

Cross Section -99.64 To 9999. %



48

Incident Energy (eV)

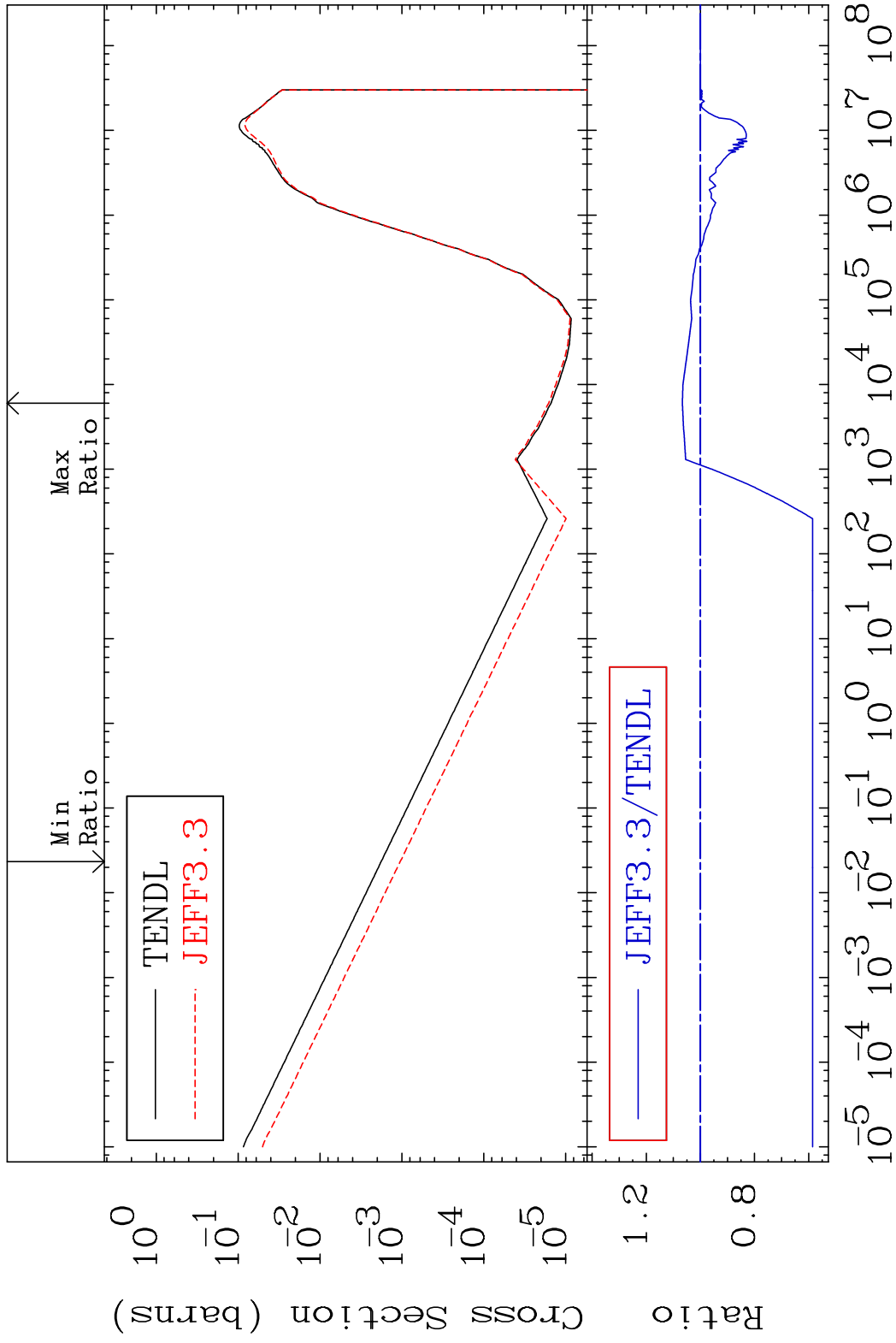
21-Sc-45

MAT 2125

(n, p)

21-Sc-45

Cross Section -41.44 To 6.677 %



49

Incident Energy (eV)

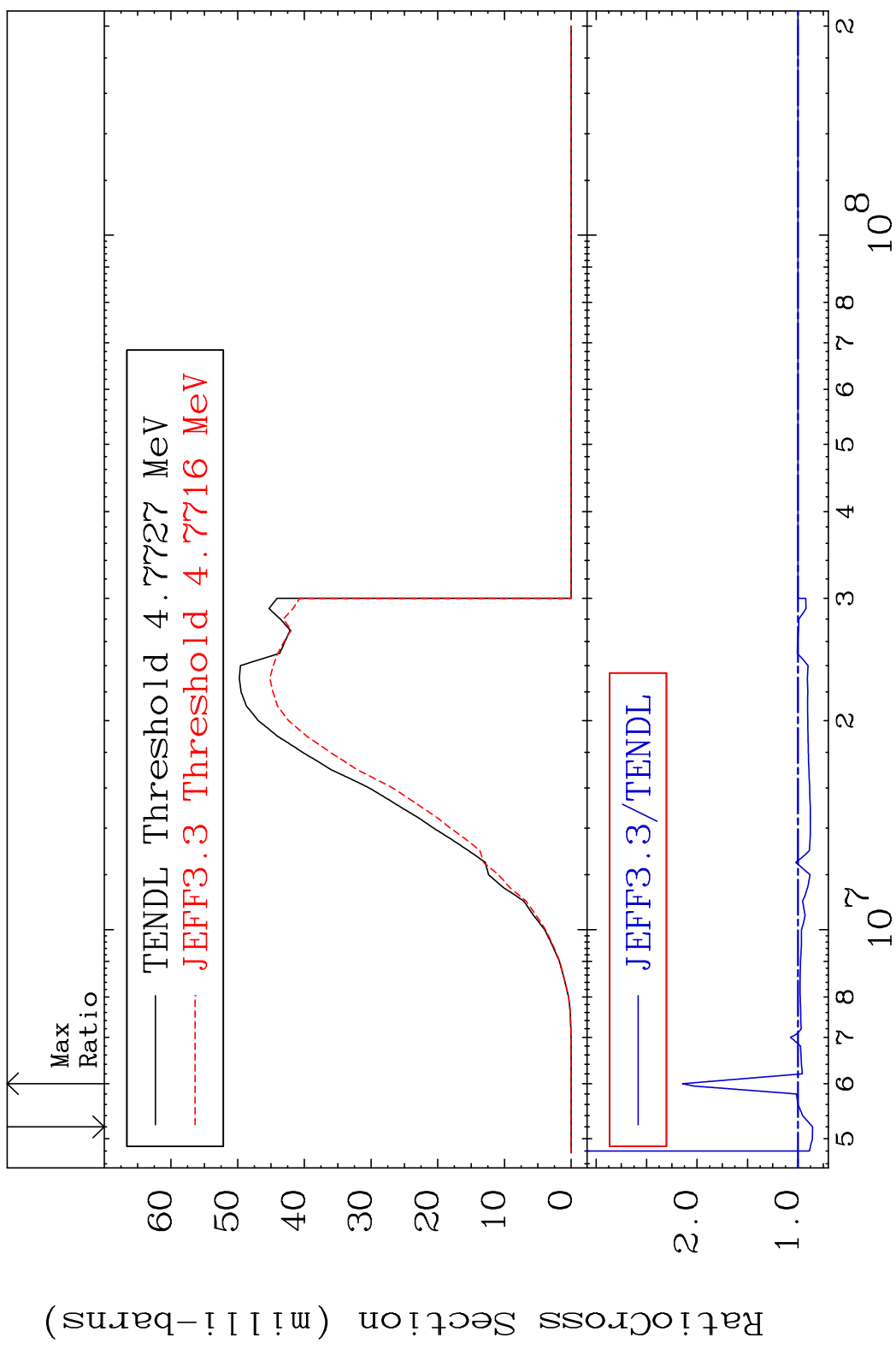
21-Sc-45

MAT 2125

(n, d)

21-Sc-45

Cross Section -14.44 To 114.5 %



50

Incident Energy (eV)

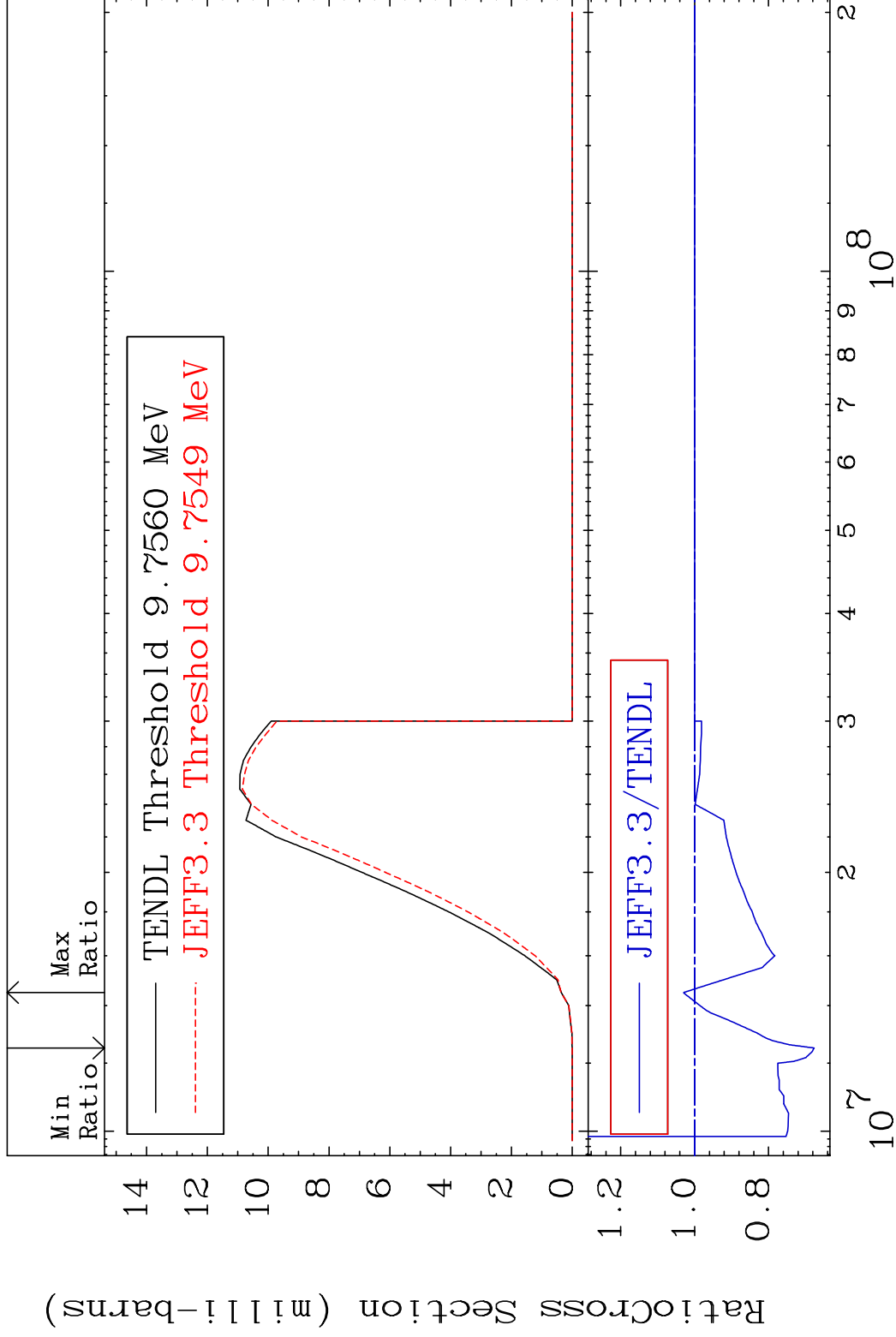
21-Sc-45

MAT 2125

(n, t)

21-Sc-45

Cross Section -32.34 To 2.968 %



51

Incident Energy (eV)

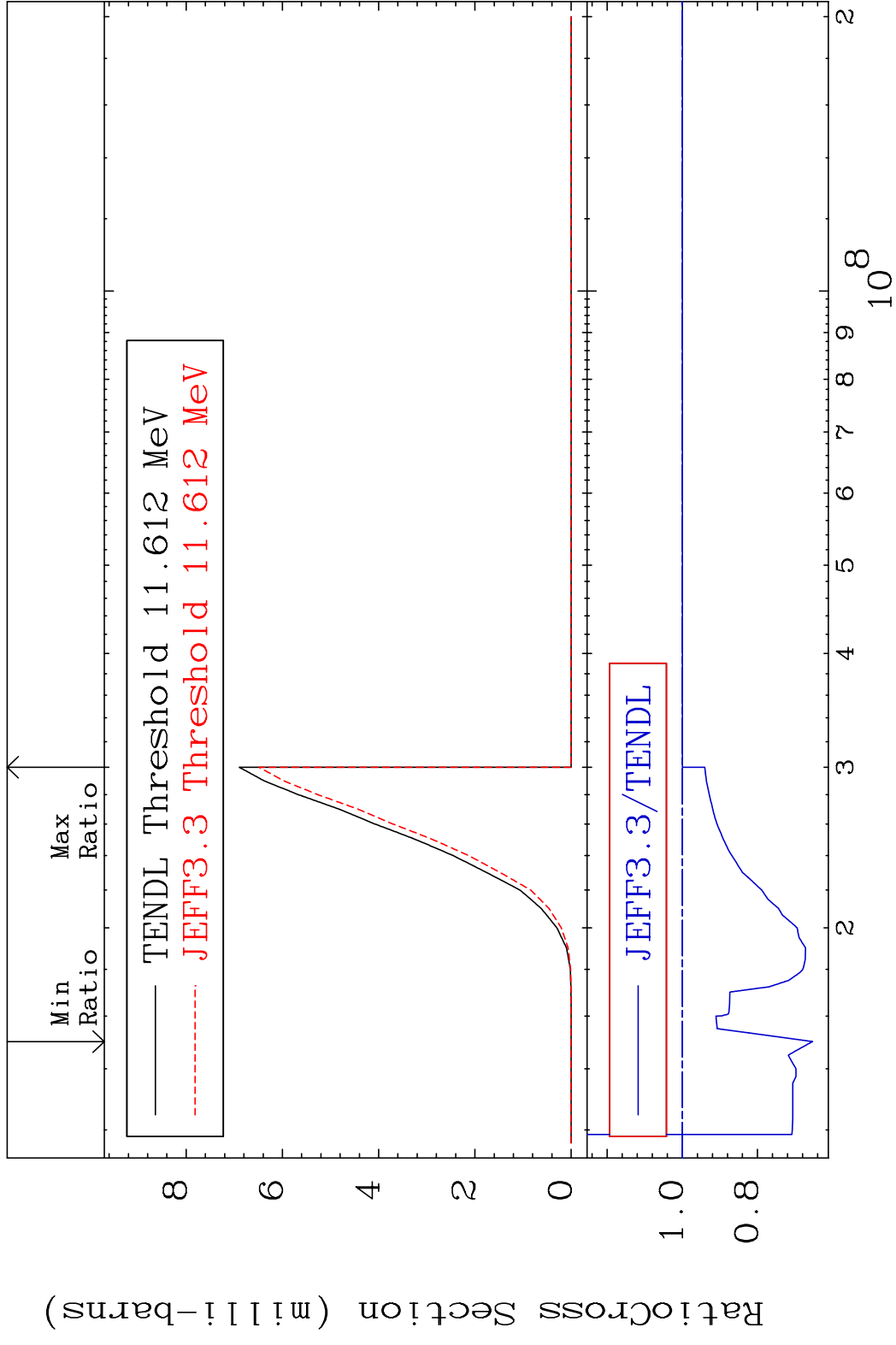
21-Sc-45

MAT 2125

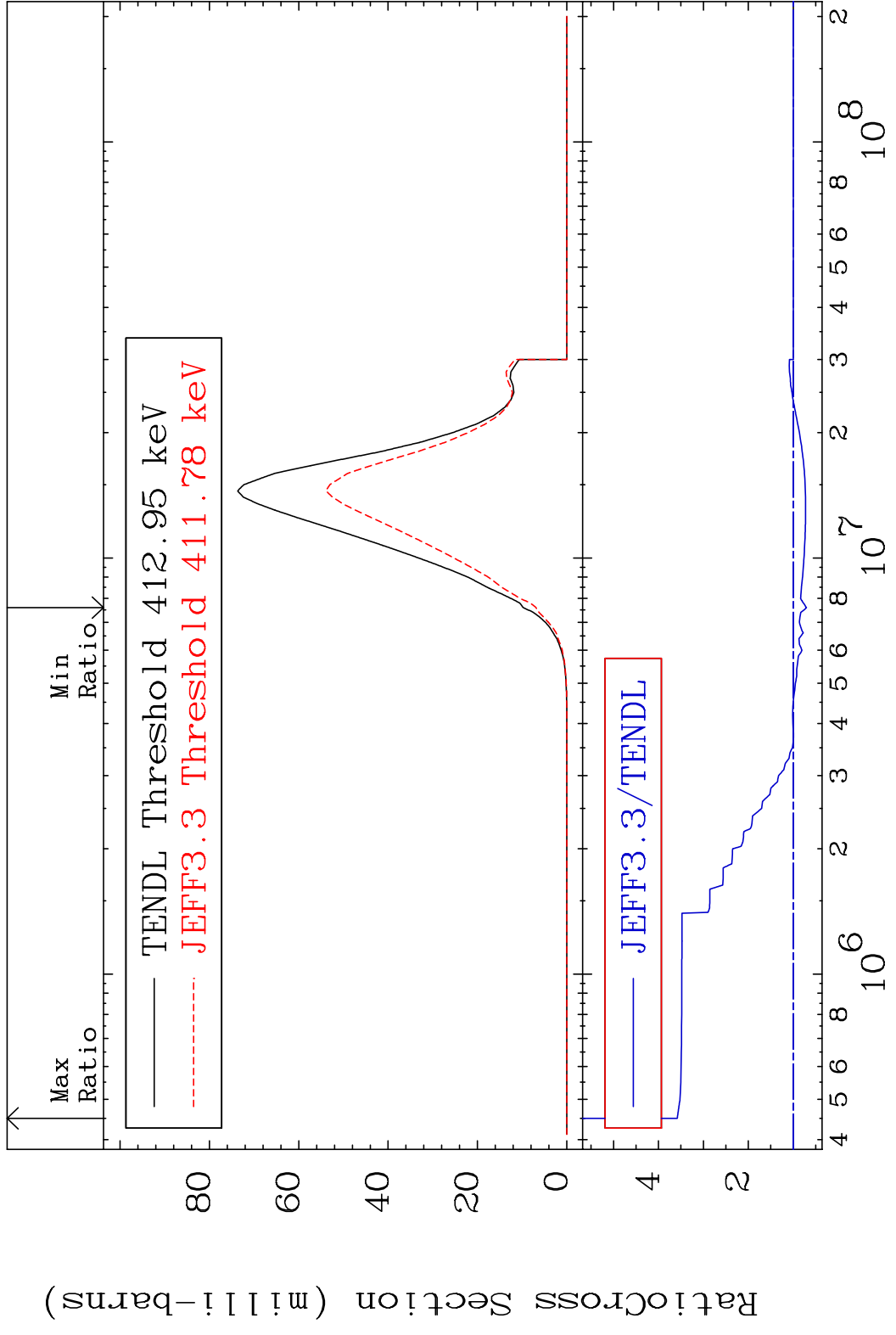
(n, He-3)

21-Sc-45

Cross Section -34.65 To 0.000 %



MAT 2125 (n, α) 21-Sc-45
 Cross Section -29.28 To 258.3 %

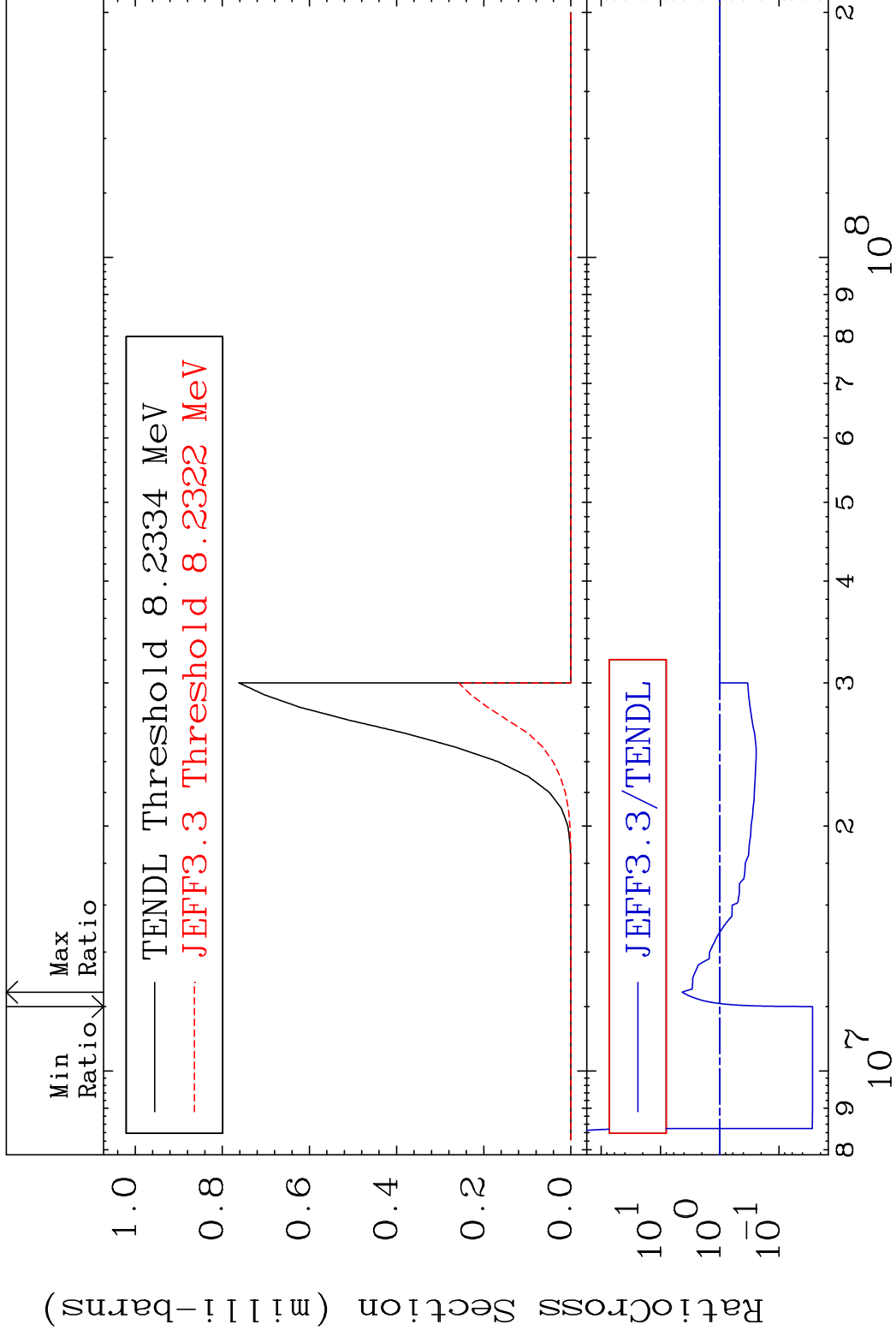


MAT 2125

(n,2α)

21-Sc-45

Cross Section -97.28 To 330.9 %



54

Incident Energy (eV)

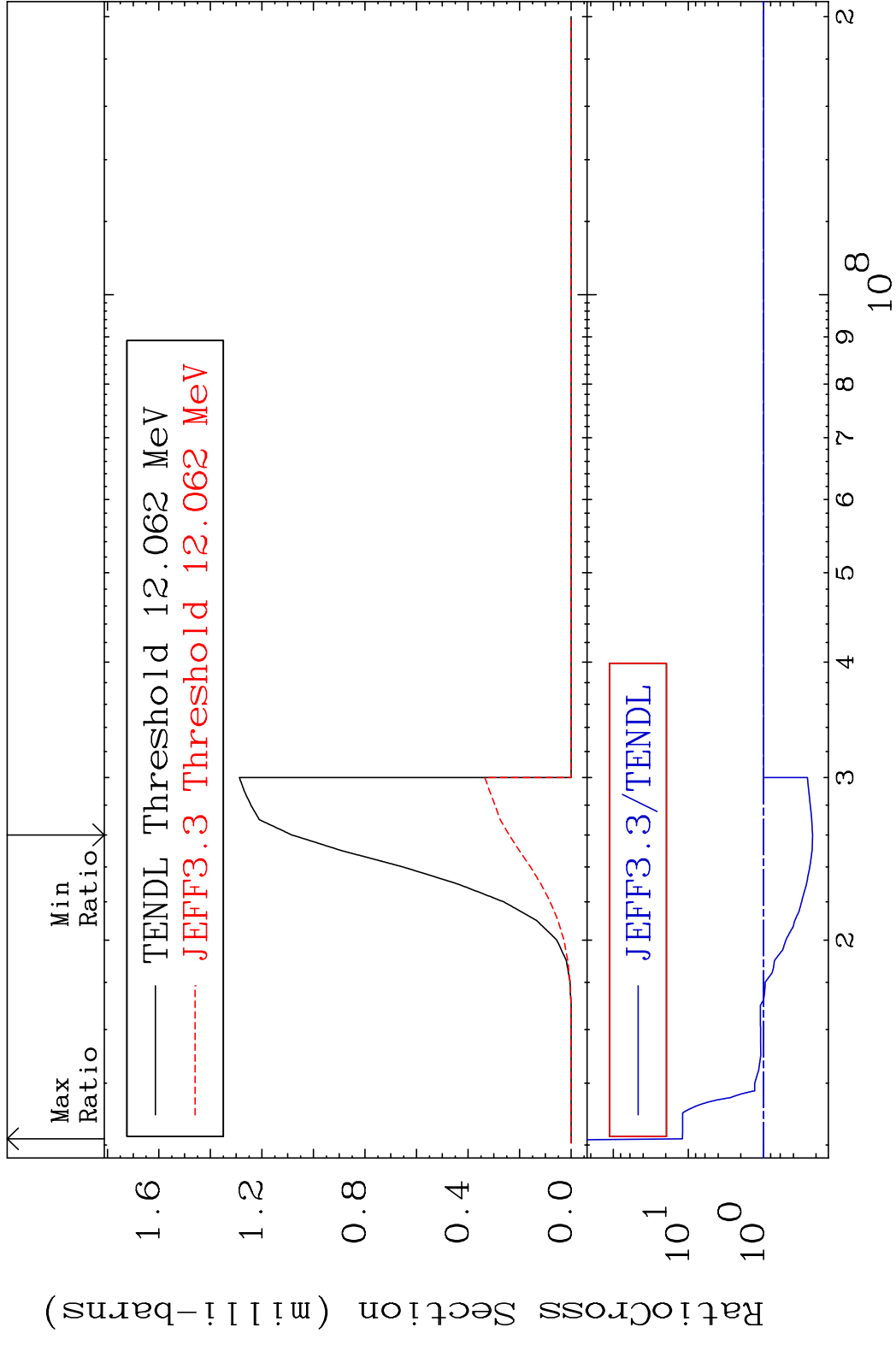
21-Sc-45

MAT 2125

(n,2p)

21-Sc-45

Cross Section -77.79 To 1103. %

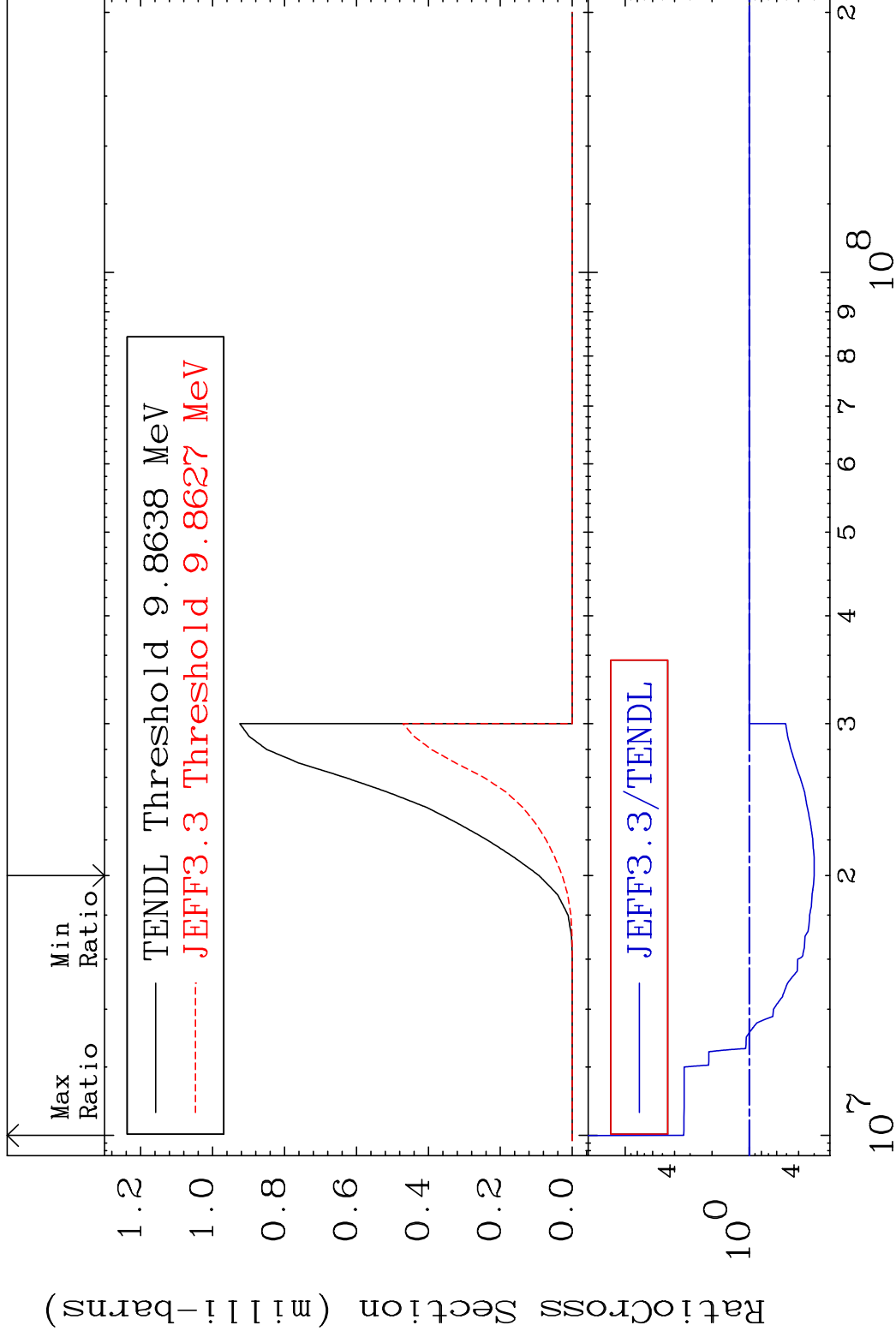


MAT 2125

(n,p) α

21-Sc-45

Cross Section -69.99 To 237.9 %



56

Incident Energy (eV)

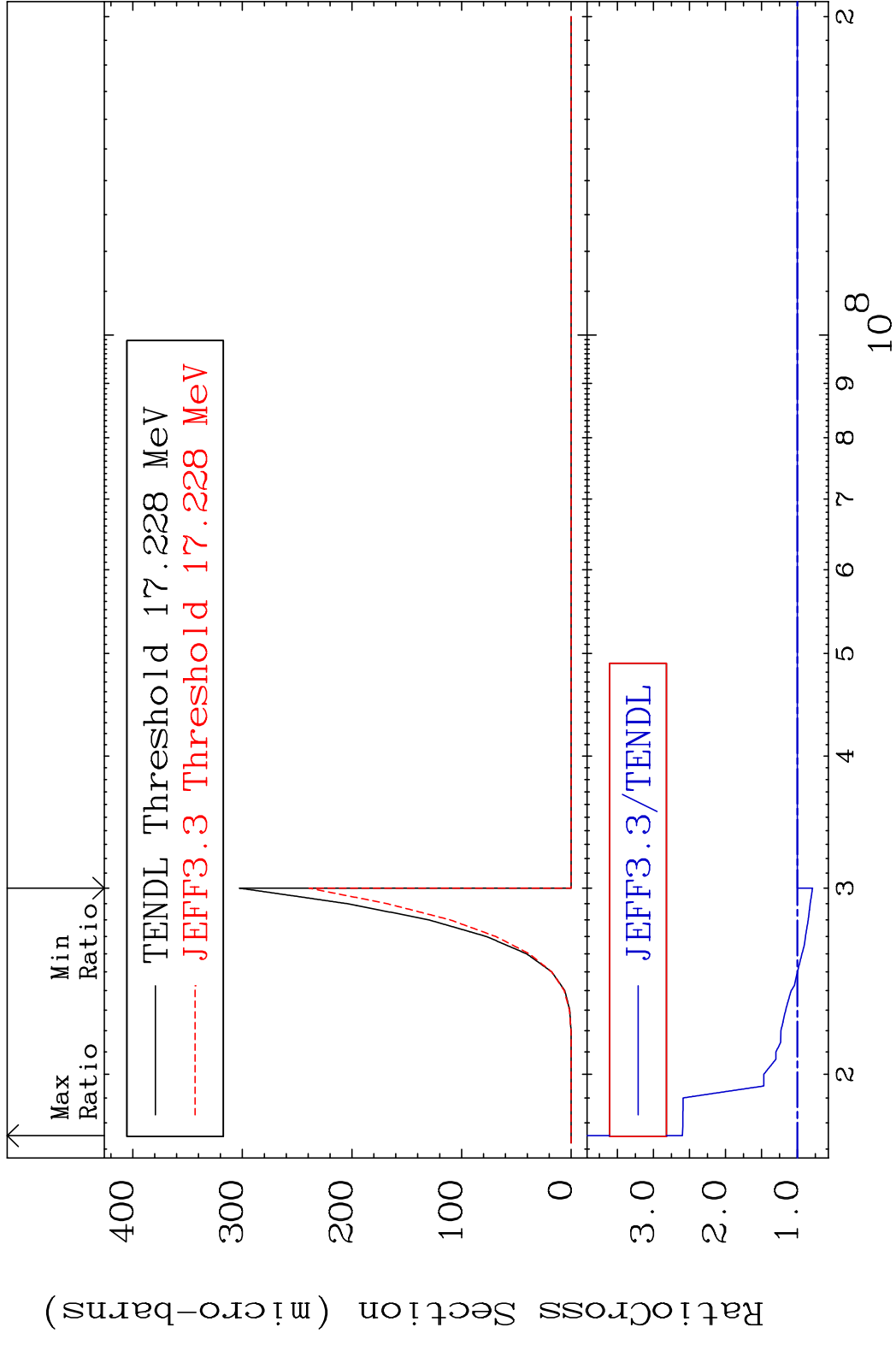
21-Sc-45

MAT 2125

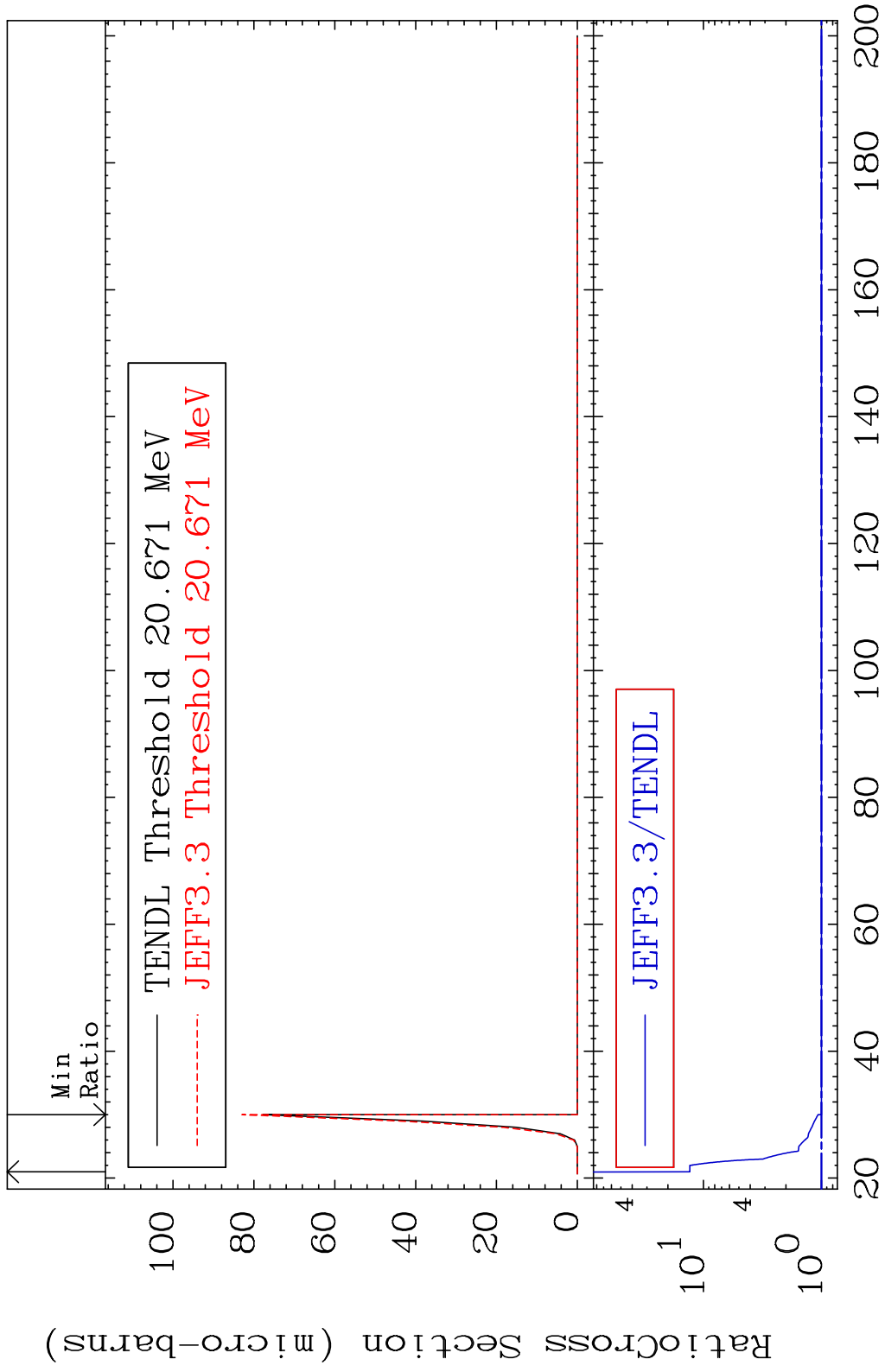
(n,p) d

21-Sc-45

Cross Section -21.02 To 159.9 %



MAT 2125 (n,p) t 21-Sc-45
 Cross Section 0.000 To 1203. %

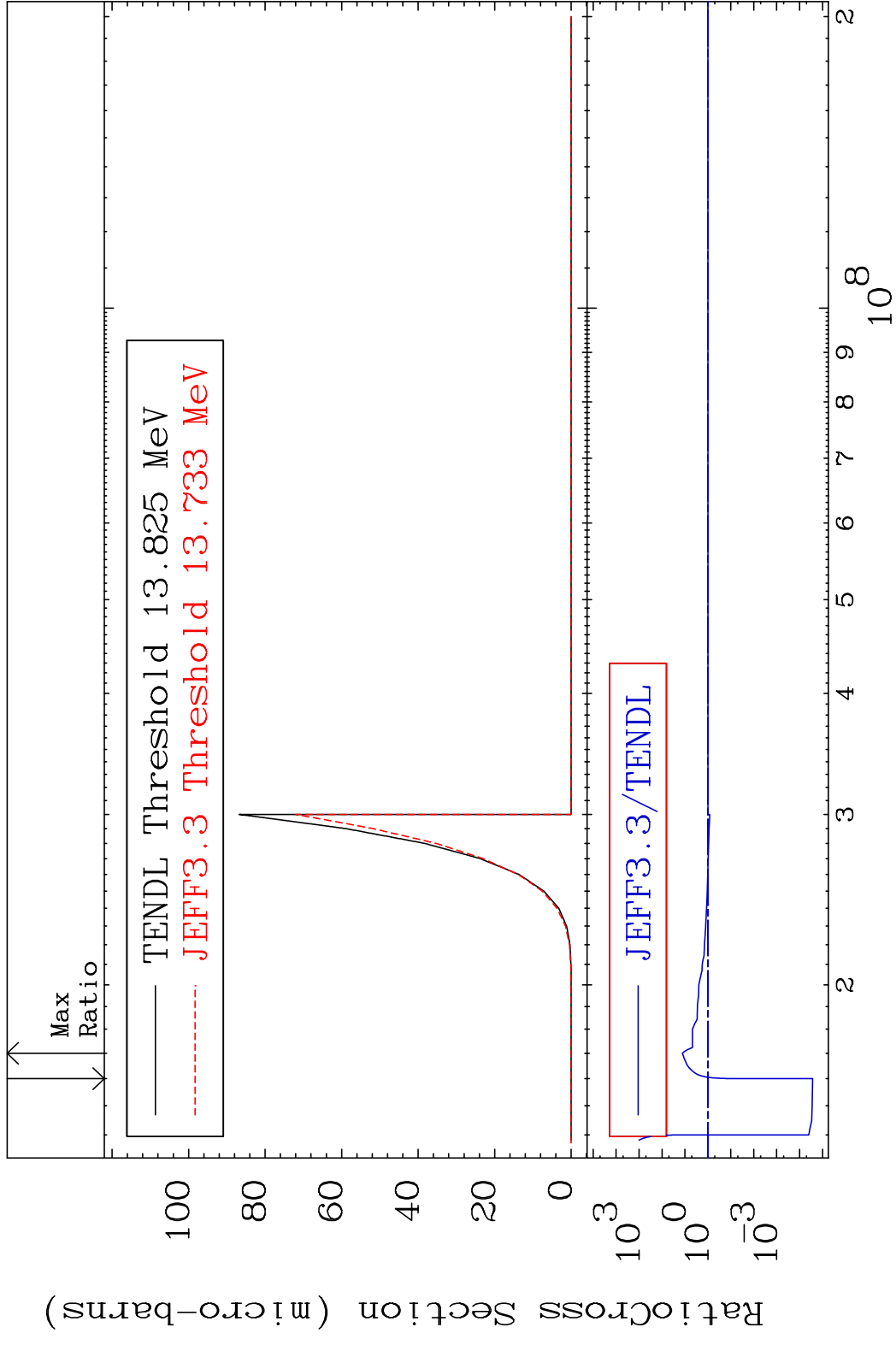


MAT 2125

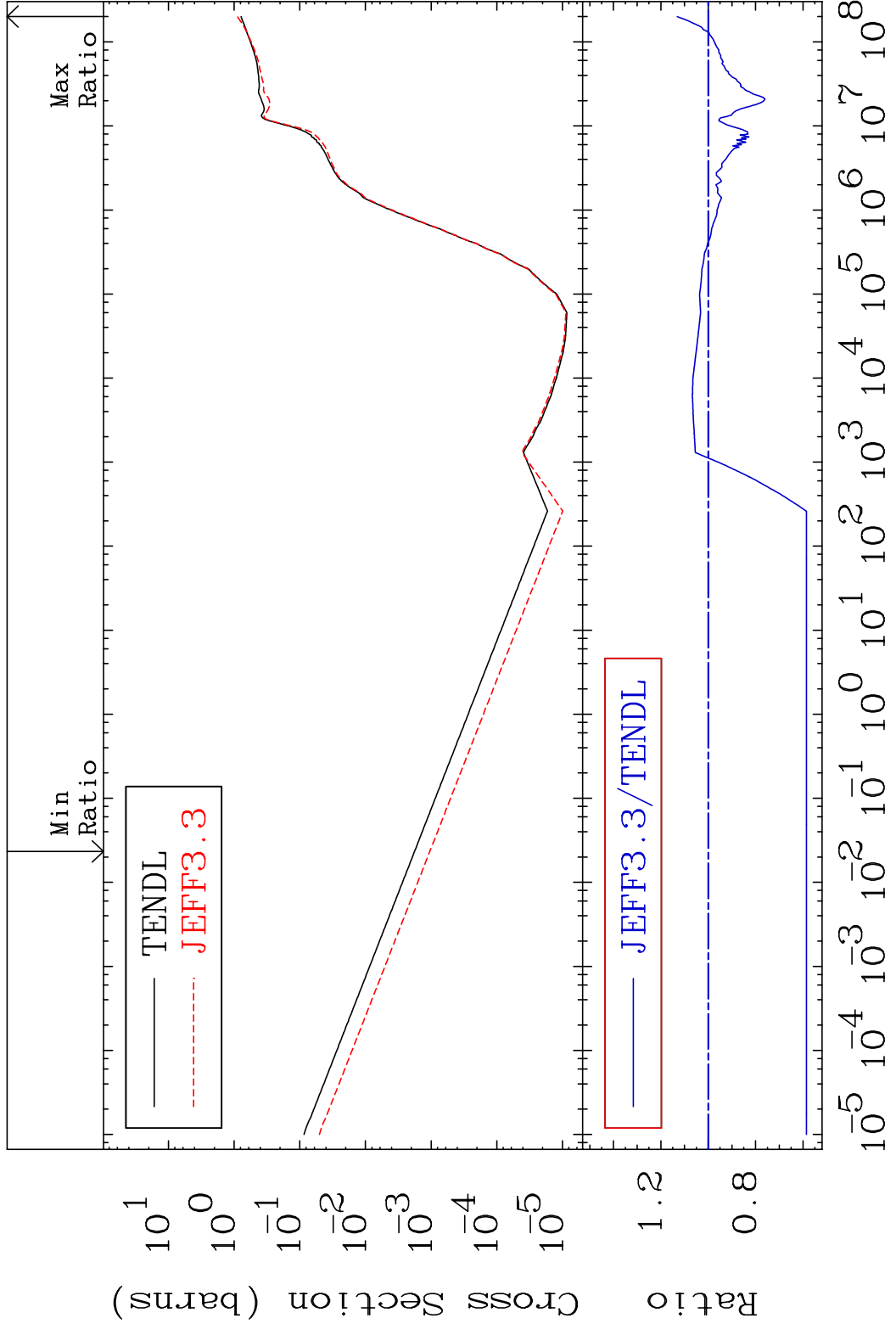
(n,d) α

21-Sc-45

Cross Section -100.0 To 1194. %



MAT 2125 Hydrogen Production 21-Sc-45
 Cross Section -41.44 To 13.11 %



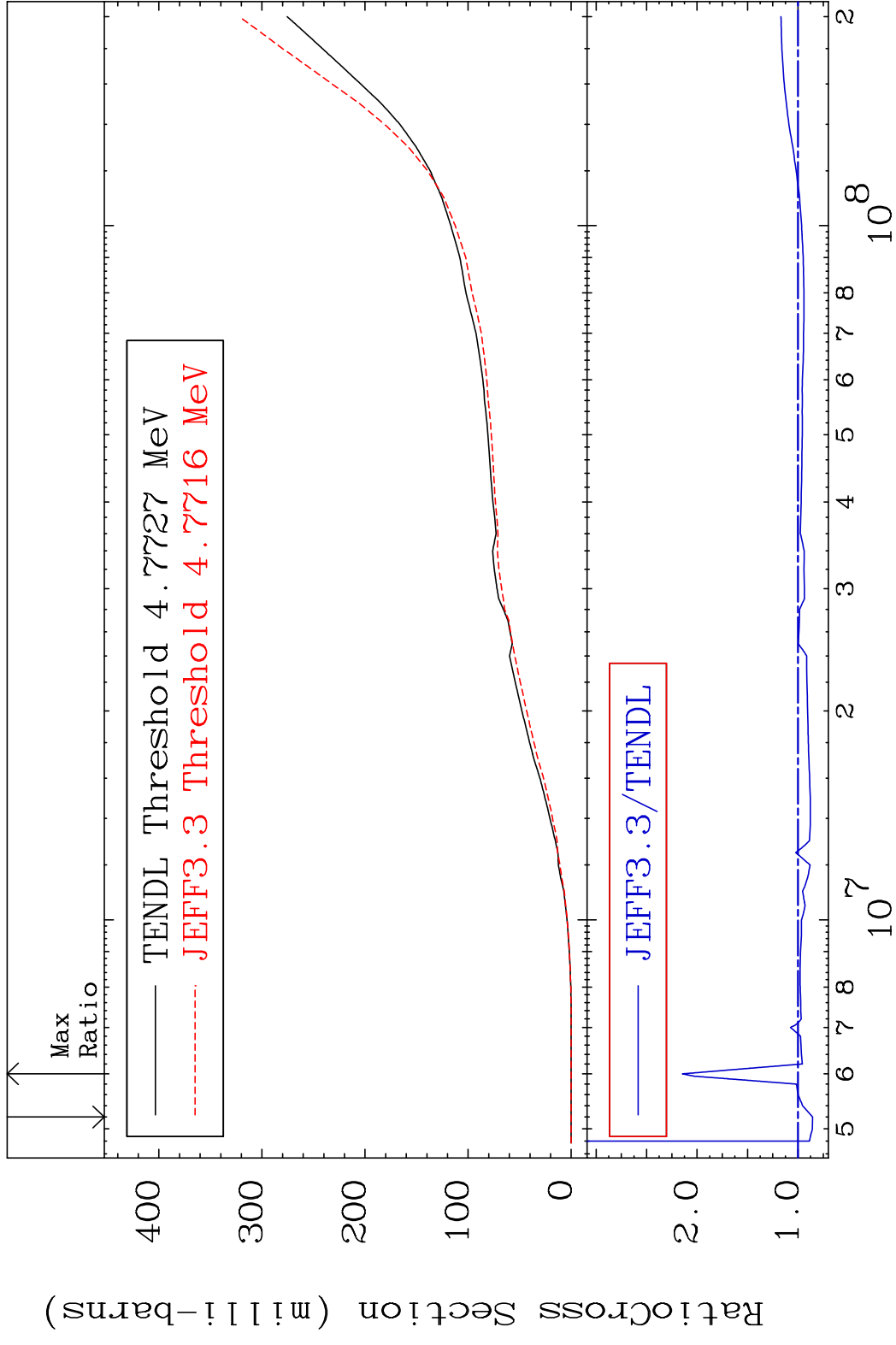
60 Incident Energy (eV) 21-Sc-45

MAT 2125

Deuterium Production

21-Sc-45

Cross Section -14.44 To 114.5 %



61

Incident Energy (eV)

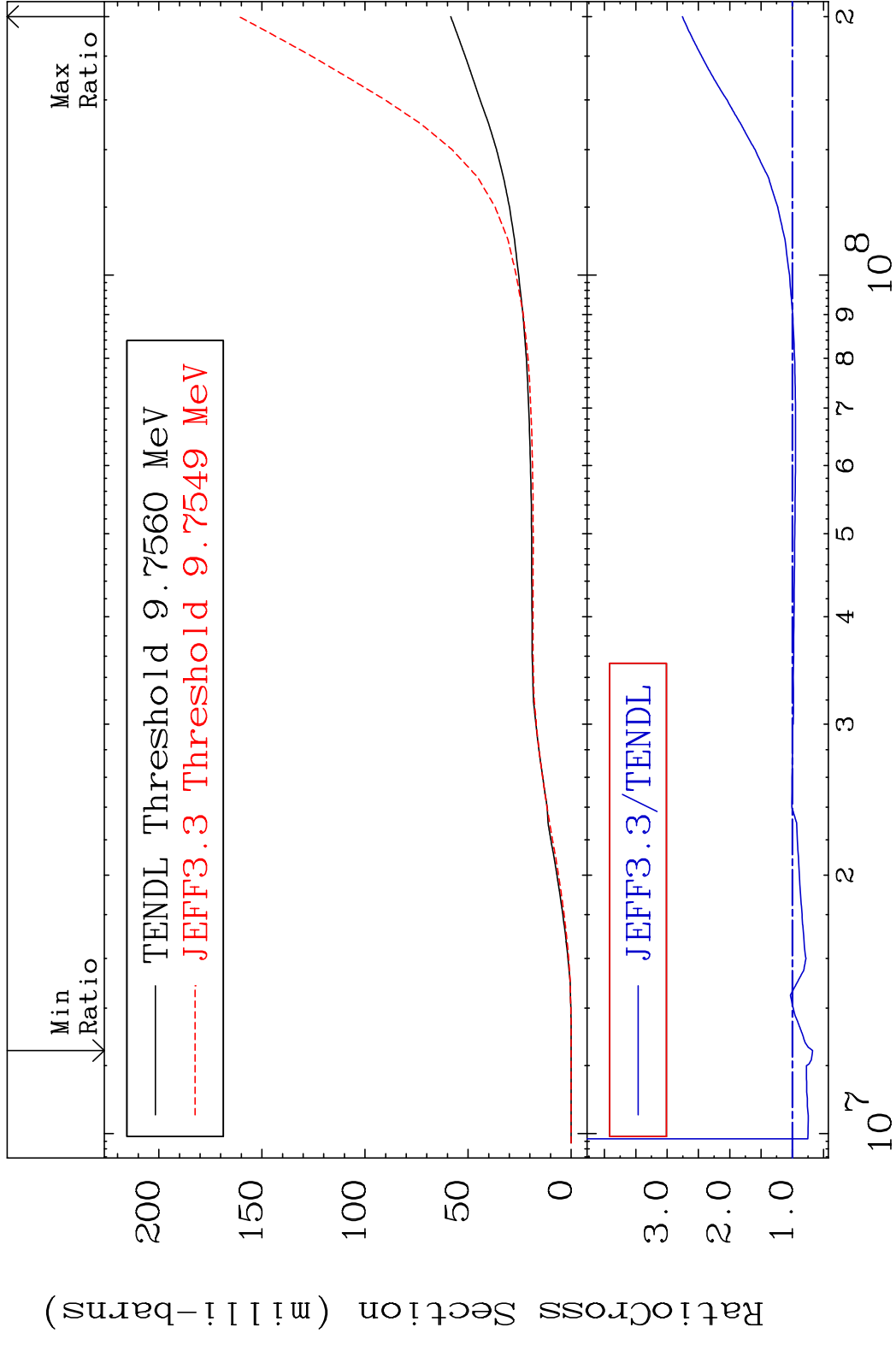
21-Sc-45

MAT 2125

Tritium Production

21-Sc-45

Cross Section -32.34 To 175.6 %



62

Incident Energy (eV)

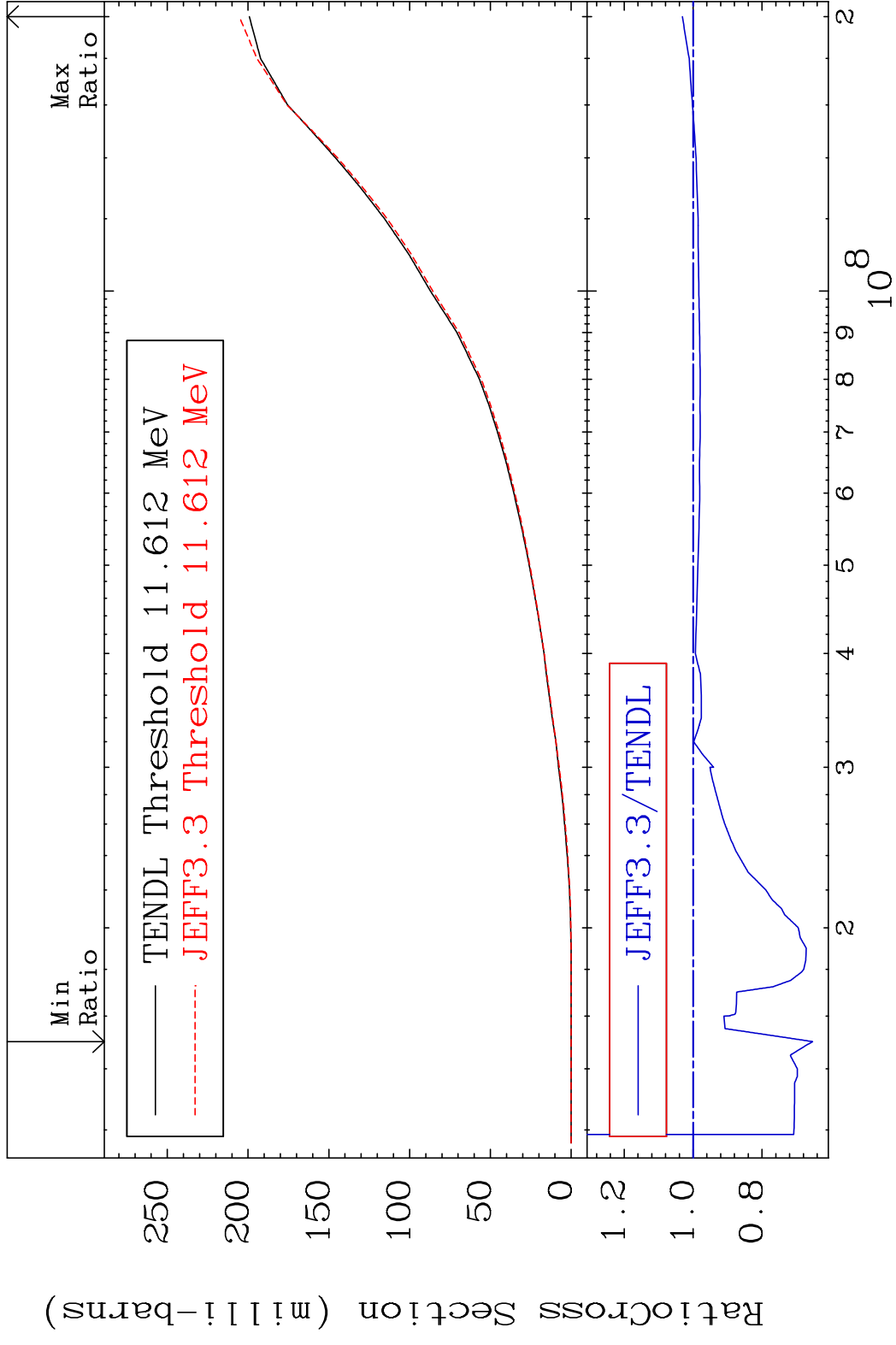
21-Sc-45

MAT 2125

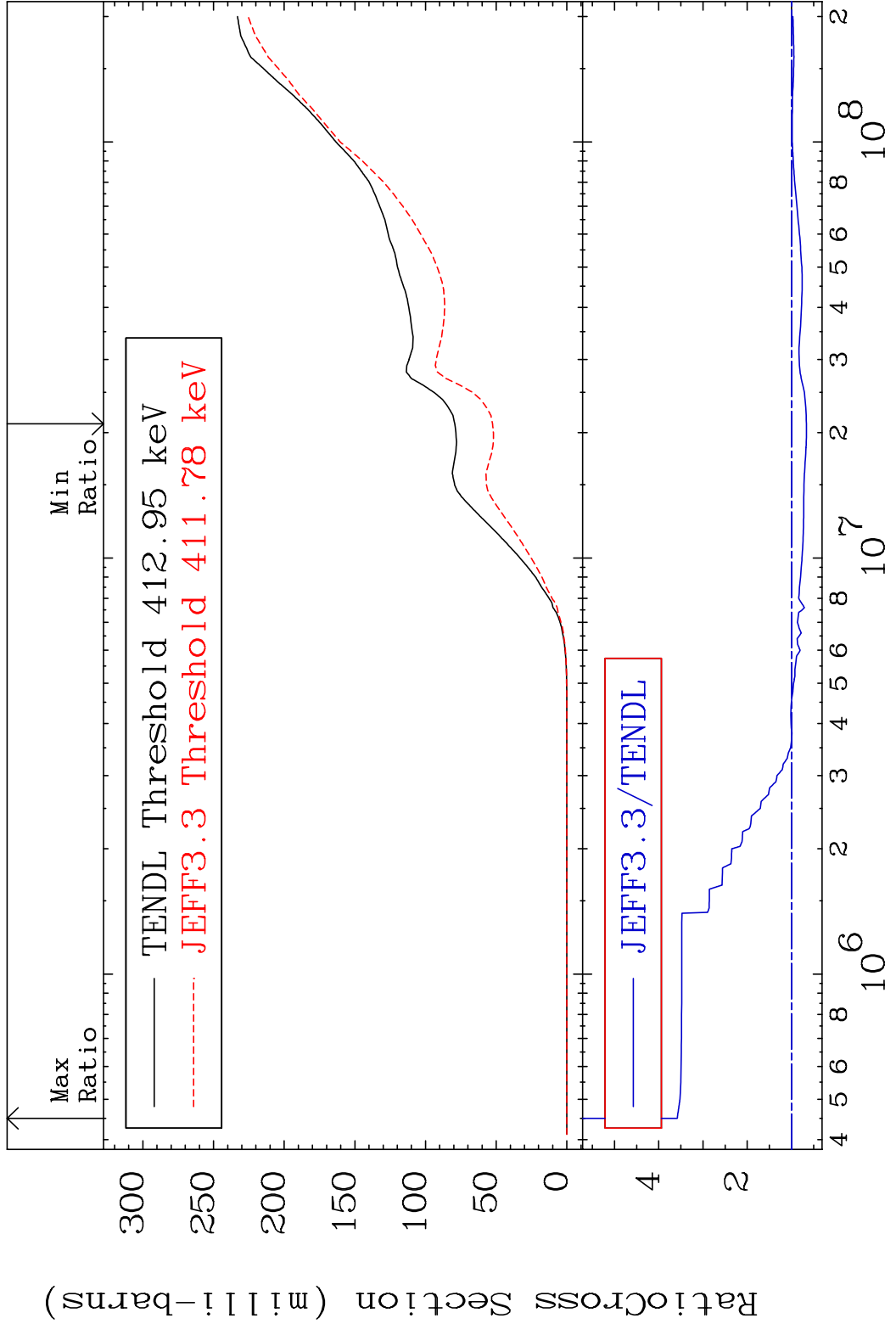
He-3 Production

21-Sc-45

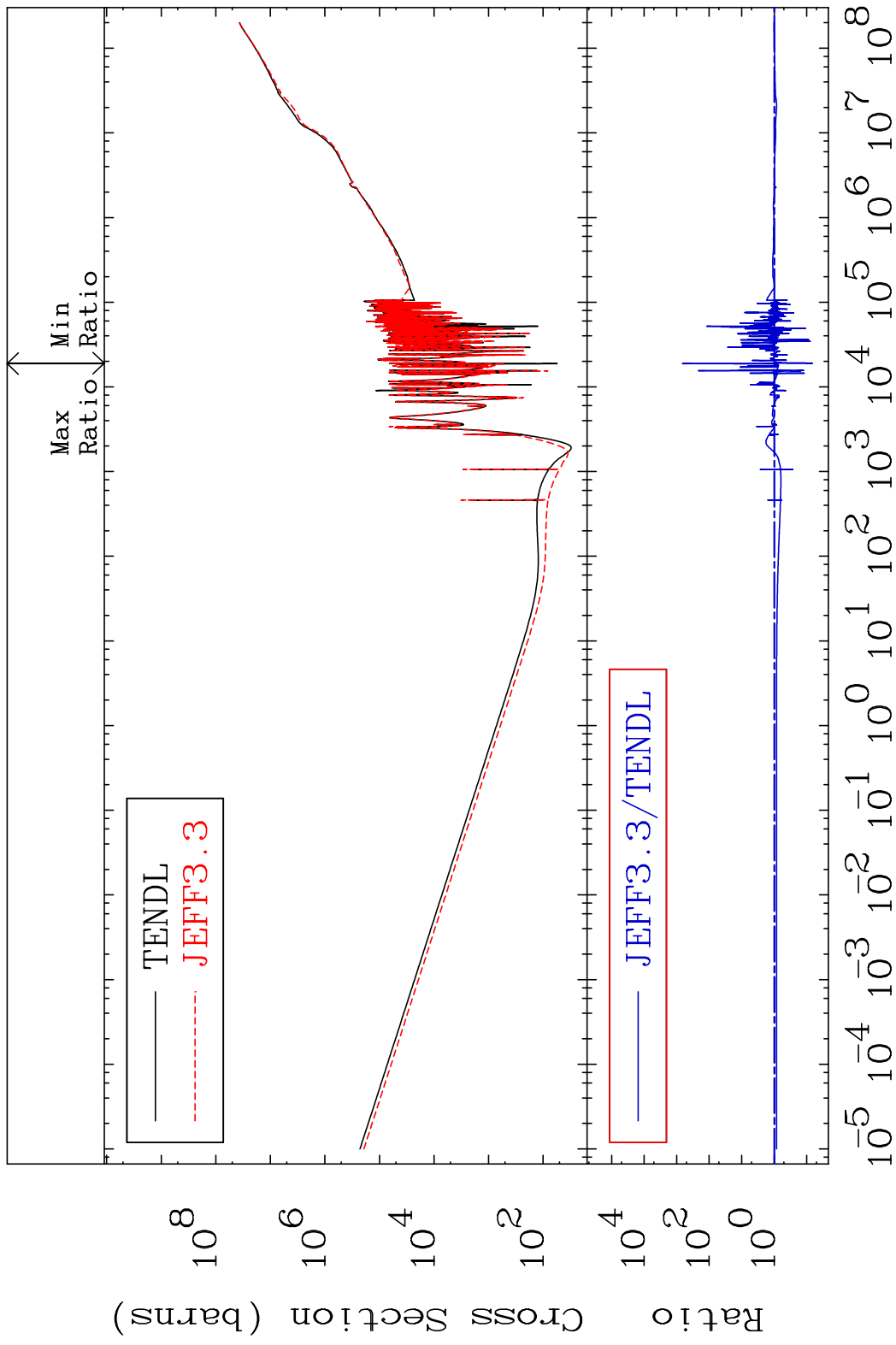
Cross Section -34.65 To 3.120 %



MAT 2125 He-4 Production 21-Sc-45
 Cross Section -33.73 To 258.3 %



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

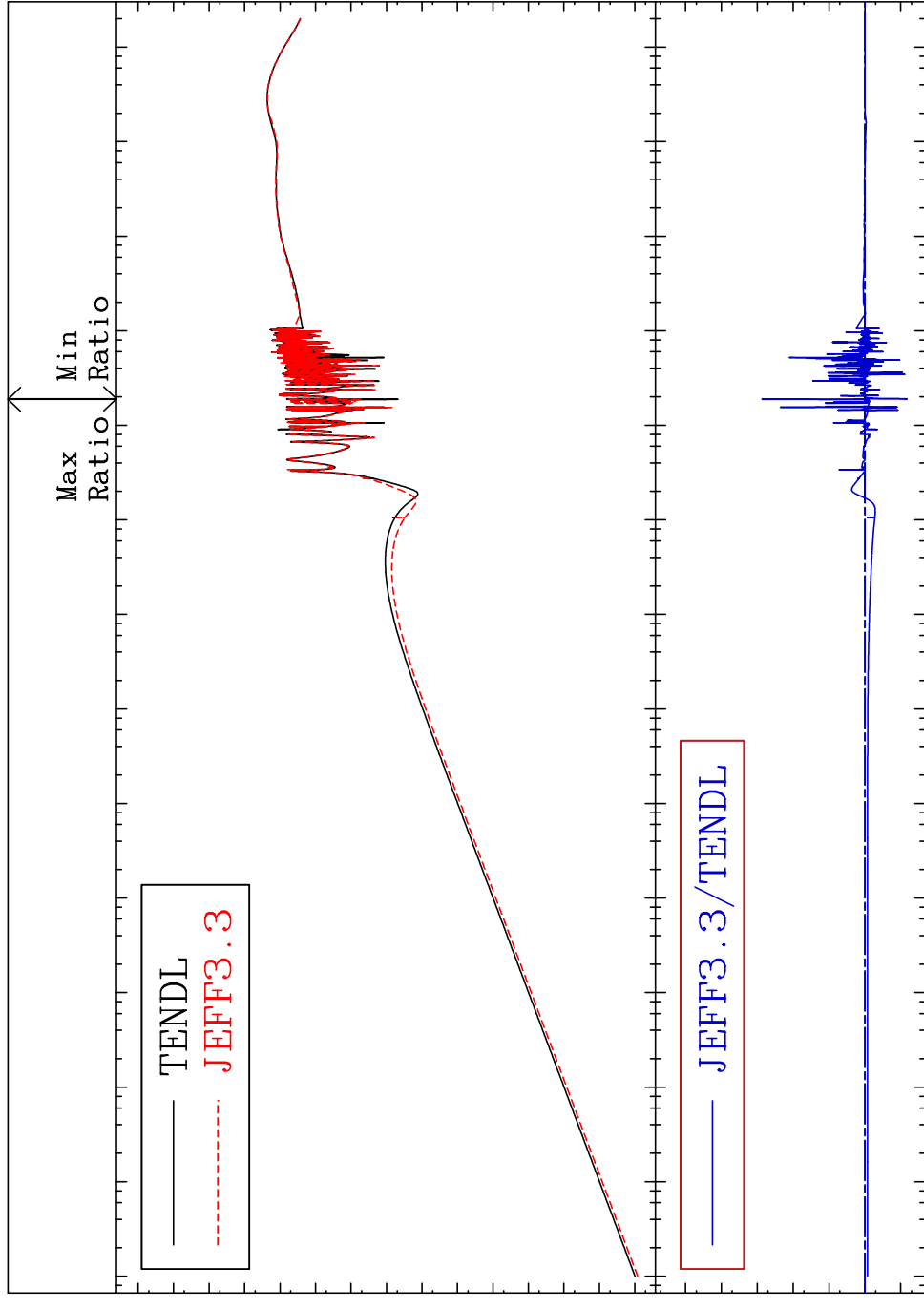


65 Incident Energy (eV) 21-Sc-45

MAT 2125

Kerma elastic
Cross Section

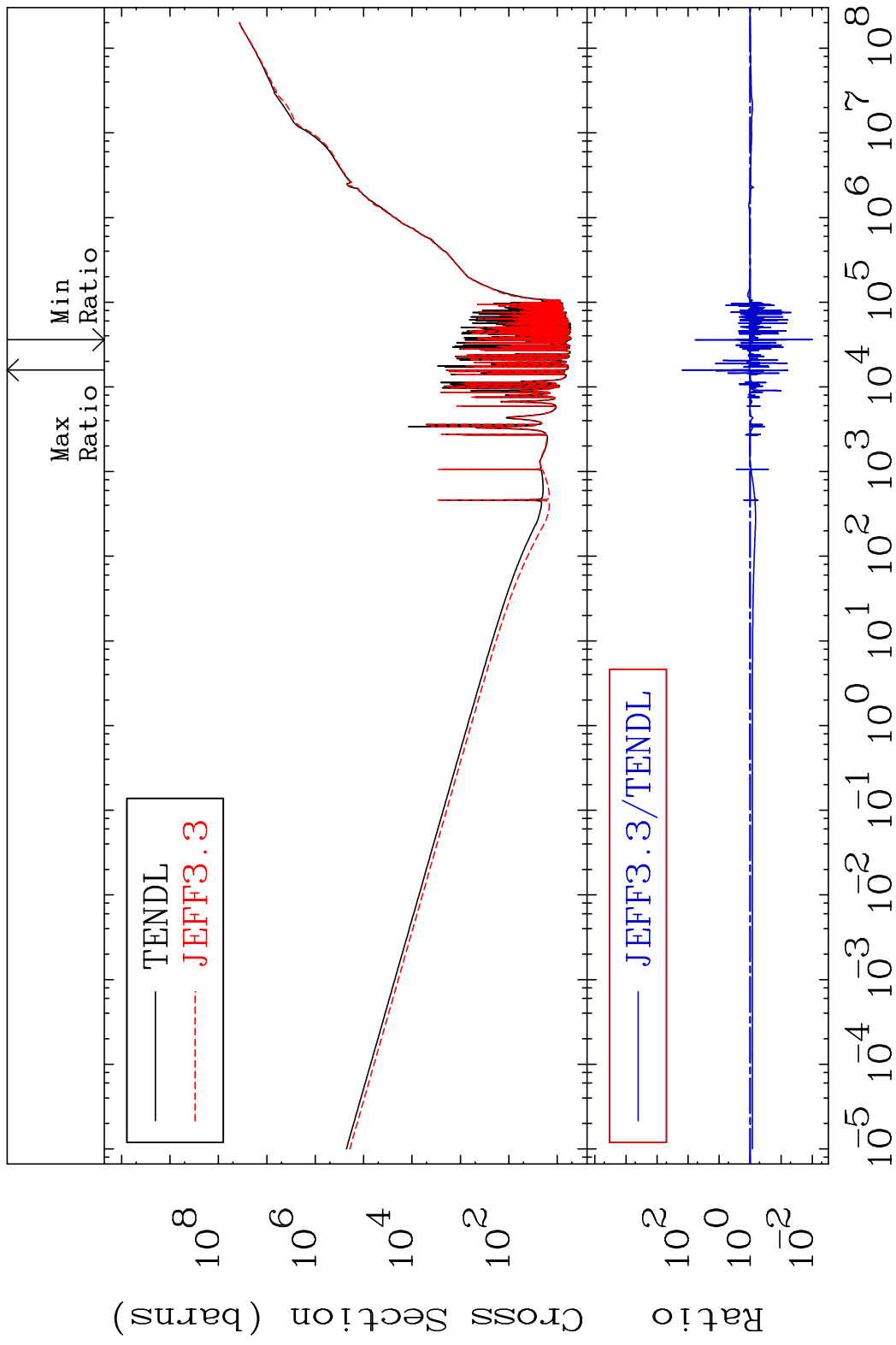
21-Sc-45
-93.39 To 9999. %



Cross Section (barns)
Ratio

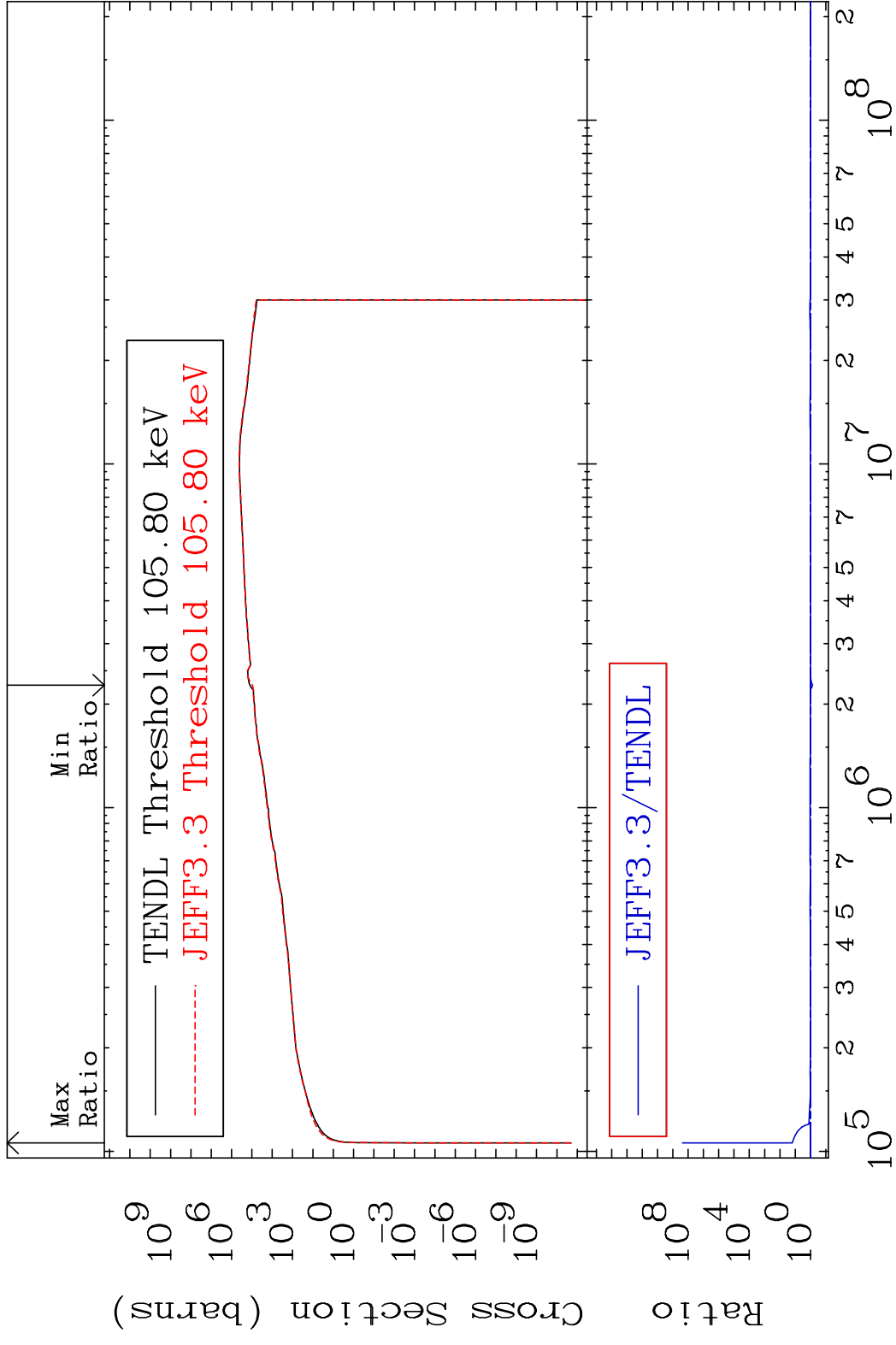
Incident Energy (eV)

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

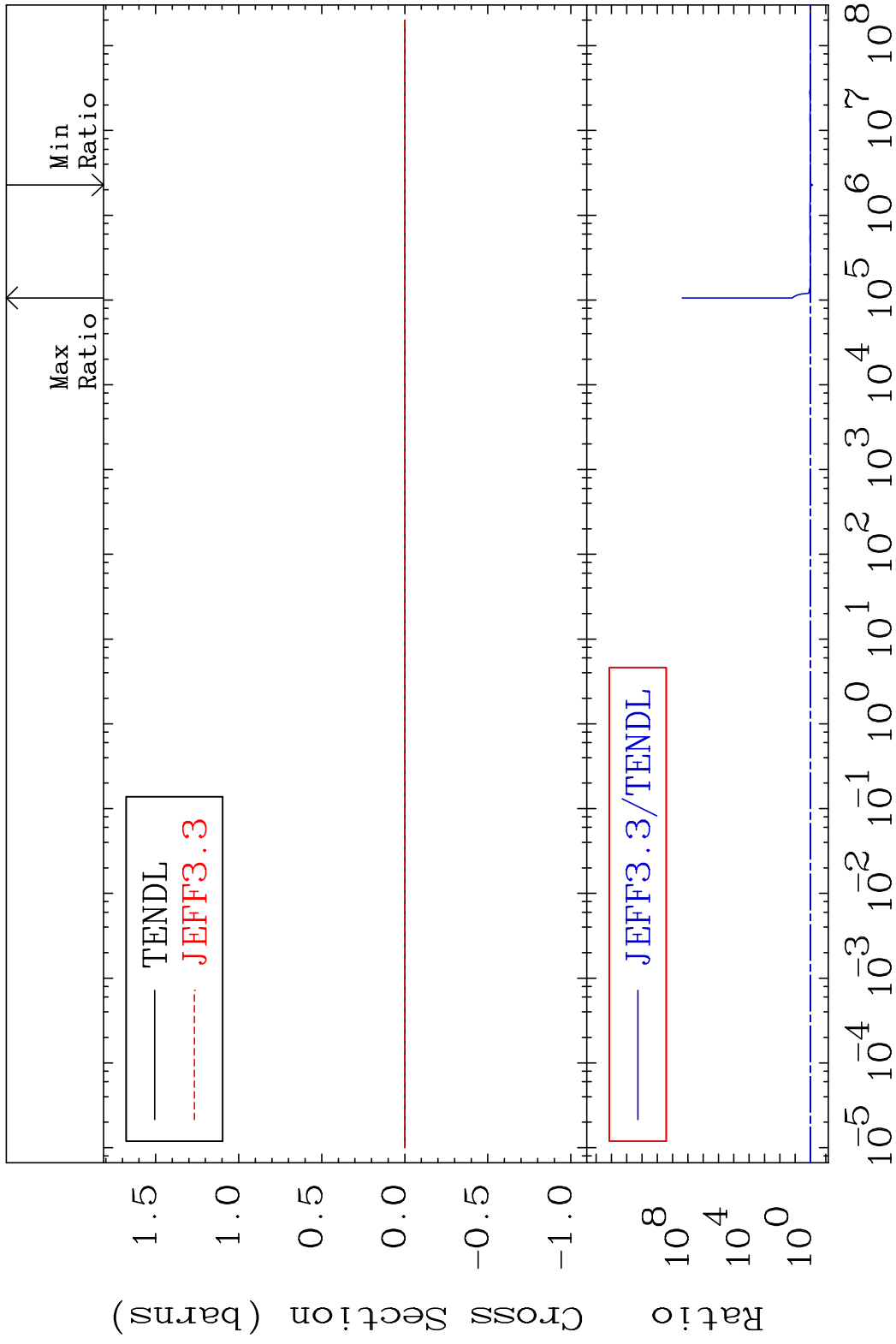


67 Incident Energy (eV) 21-Sc-45

MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45
 Cross Section -26.45 To 9999. %



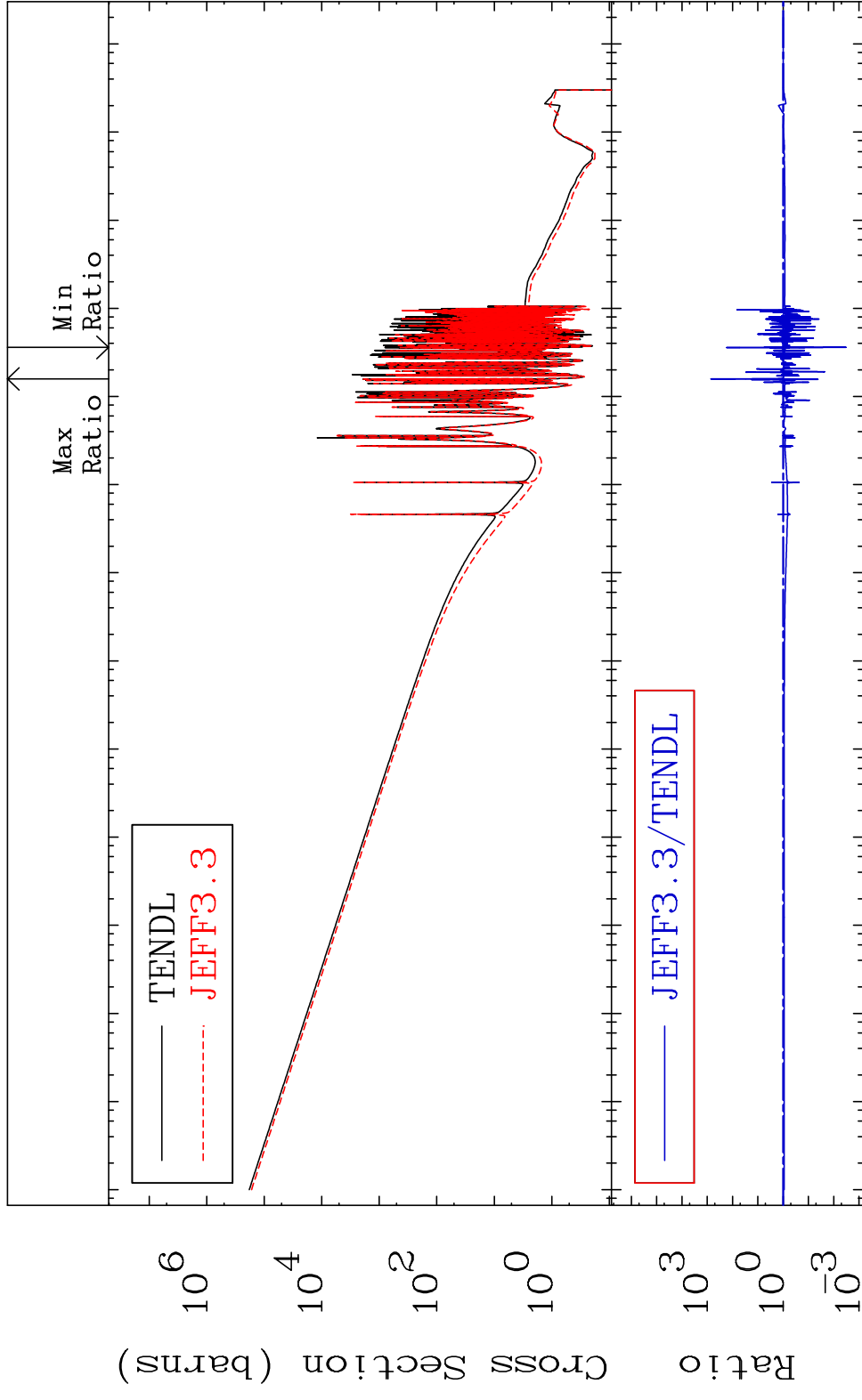
MAT 2125 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-45
 Cross Section -26.45 To 9999. %



MAT 2125

Kerma capture (mt102) 21-Sc-45

Cross Section -99.68 To 9999. %

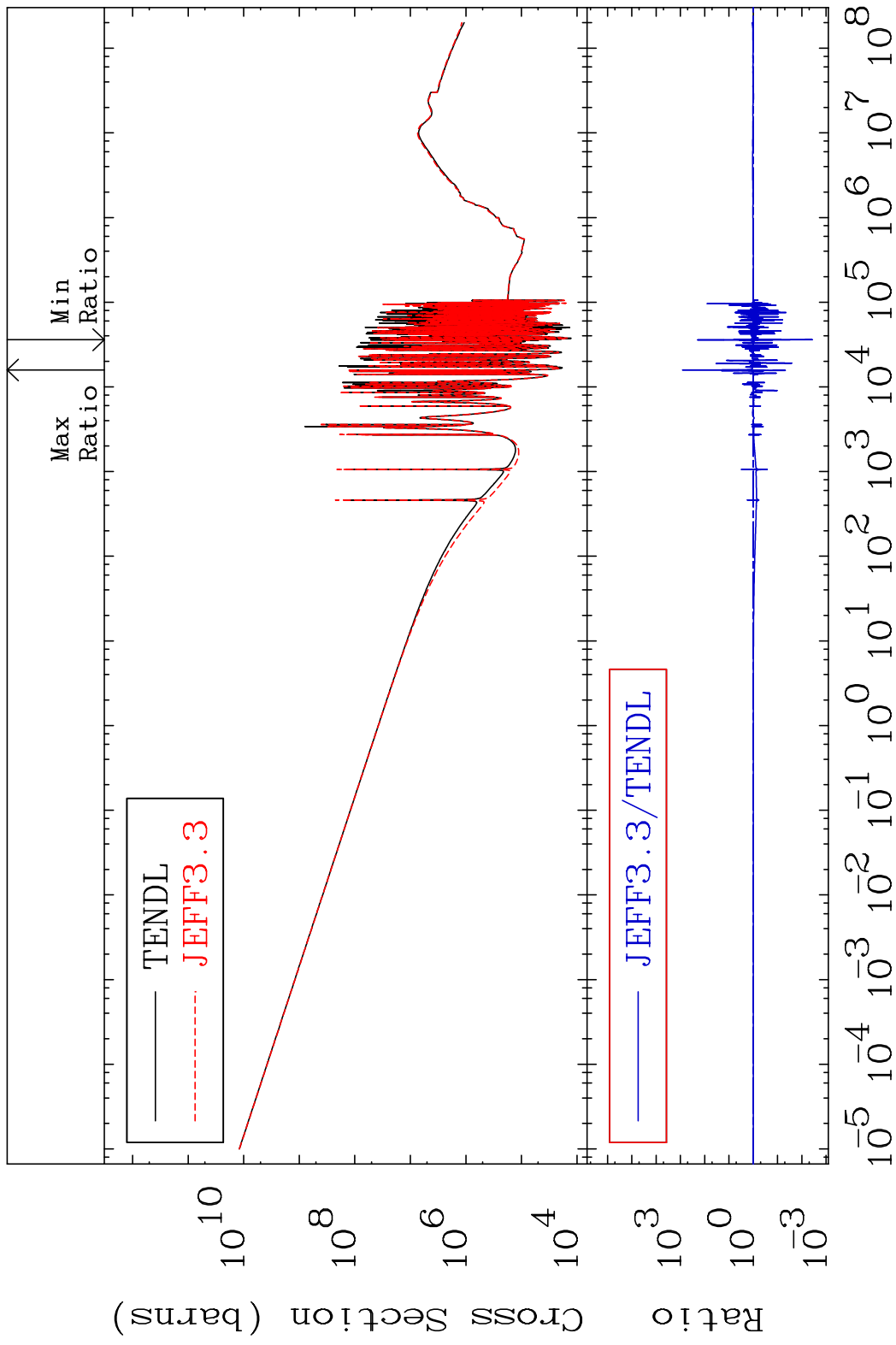


70

Incident Energy (eV)

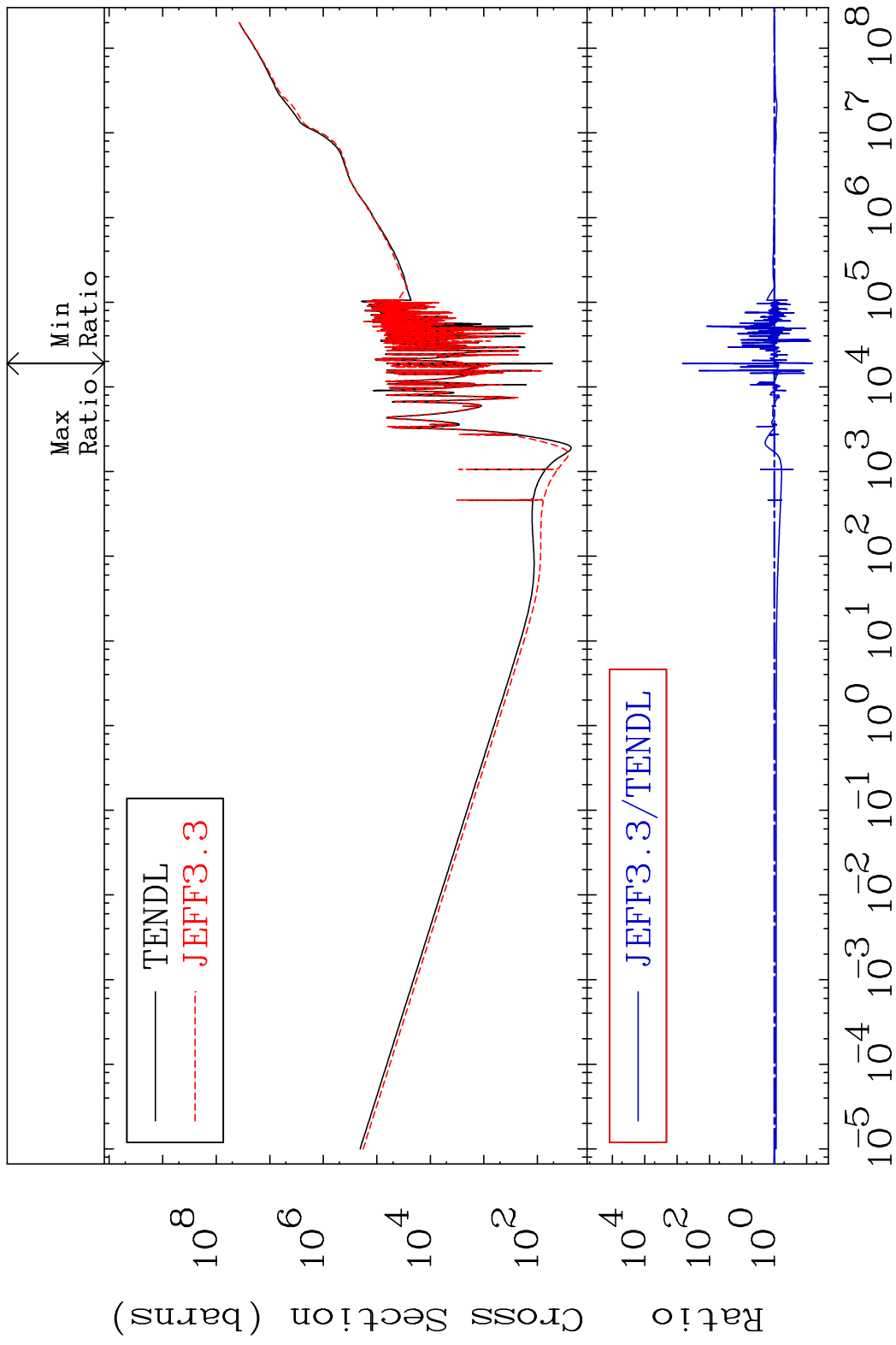
21-Sc-45

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



71 Incident Energy (eV) 21-Sc-45

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

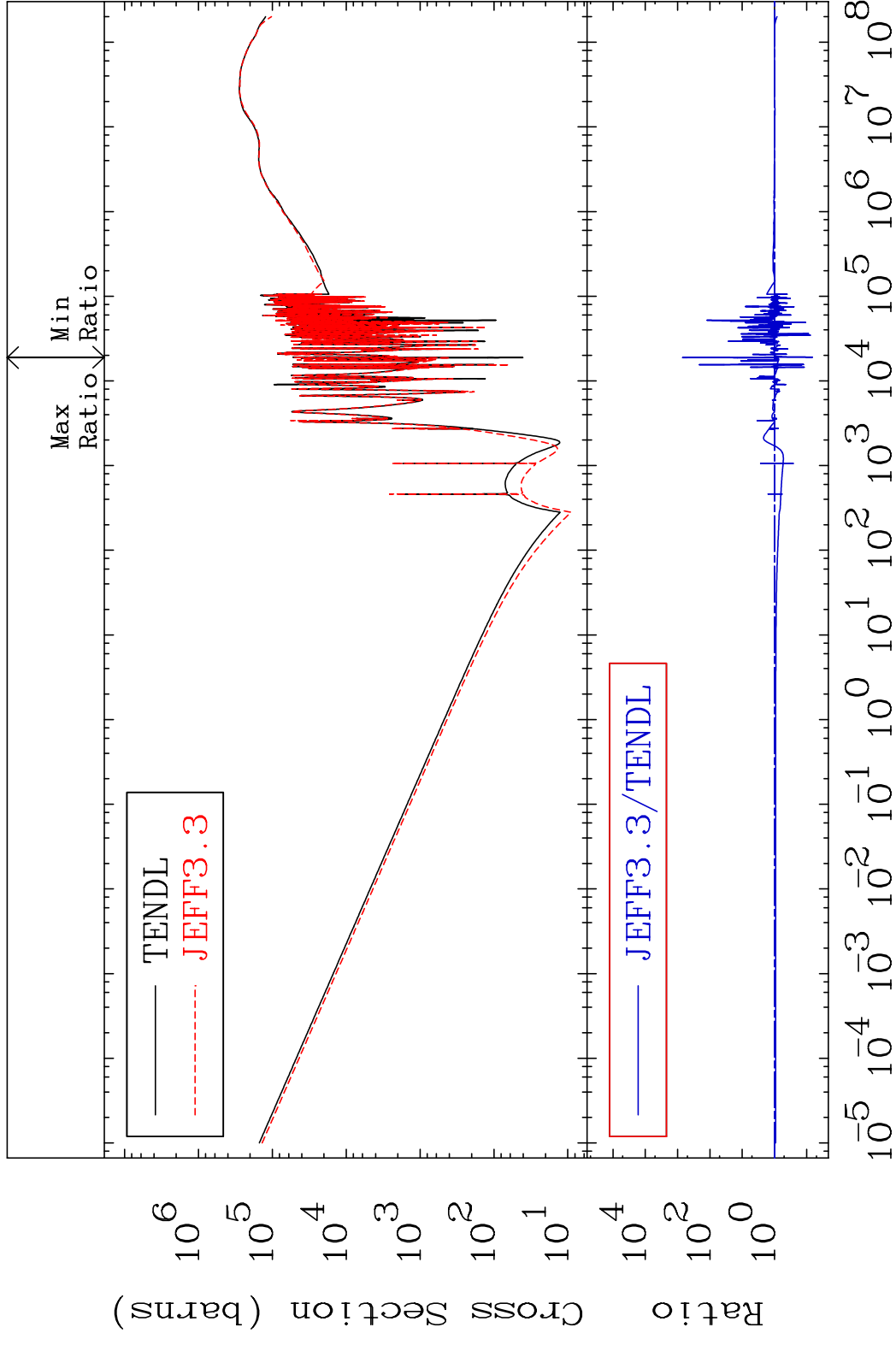


MAT 2125

Dpa total (eV-barns)

21-Sc-45

Cross Section -93.40 To 9999. %

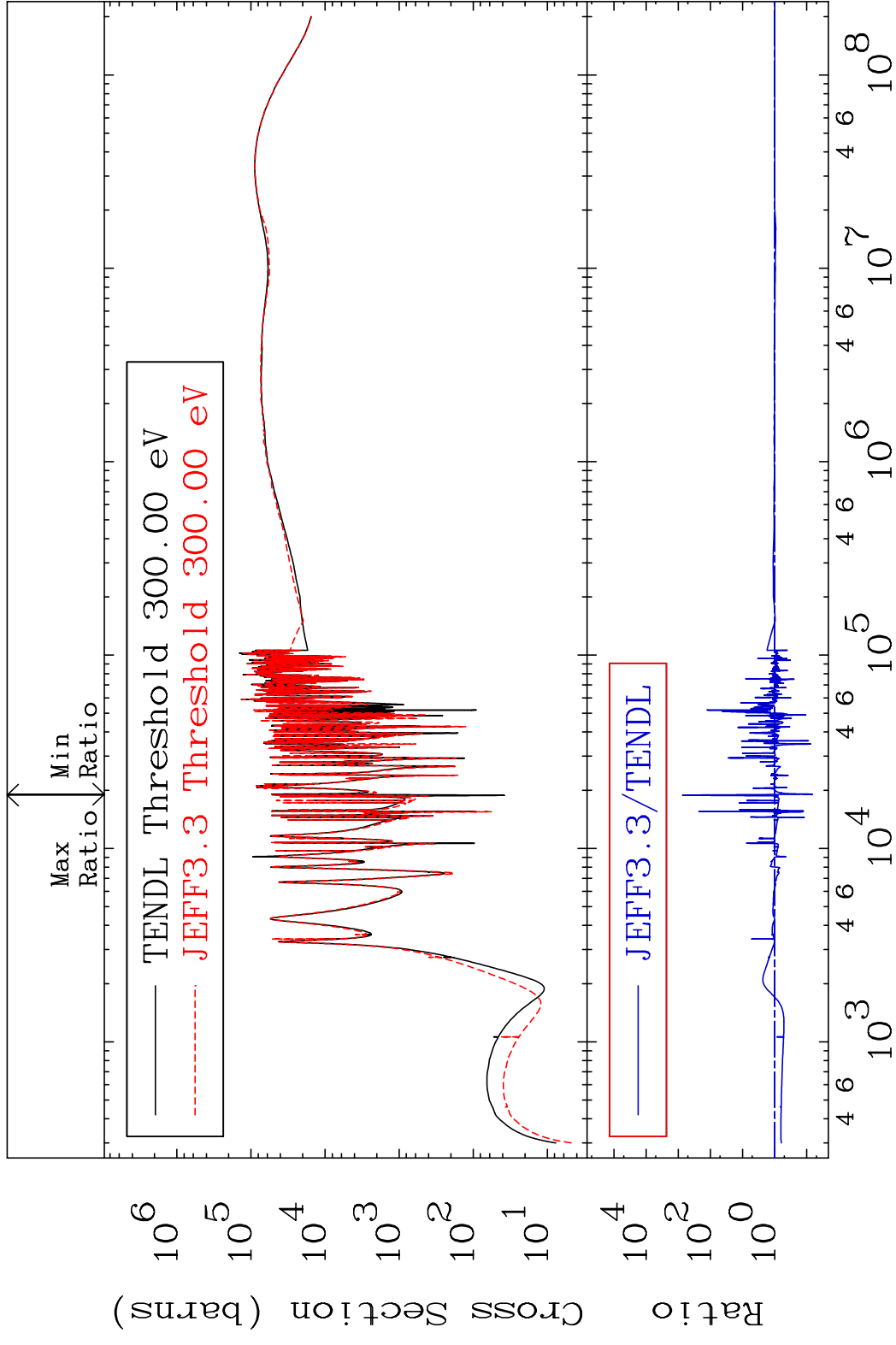


73

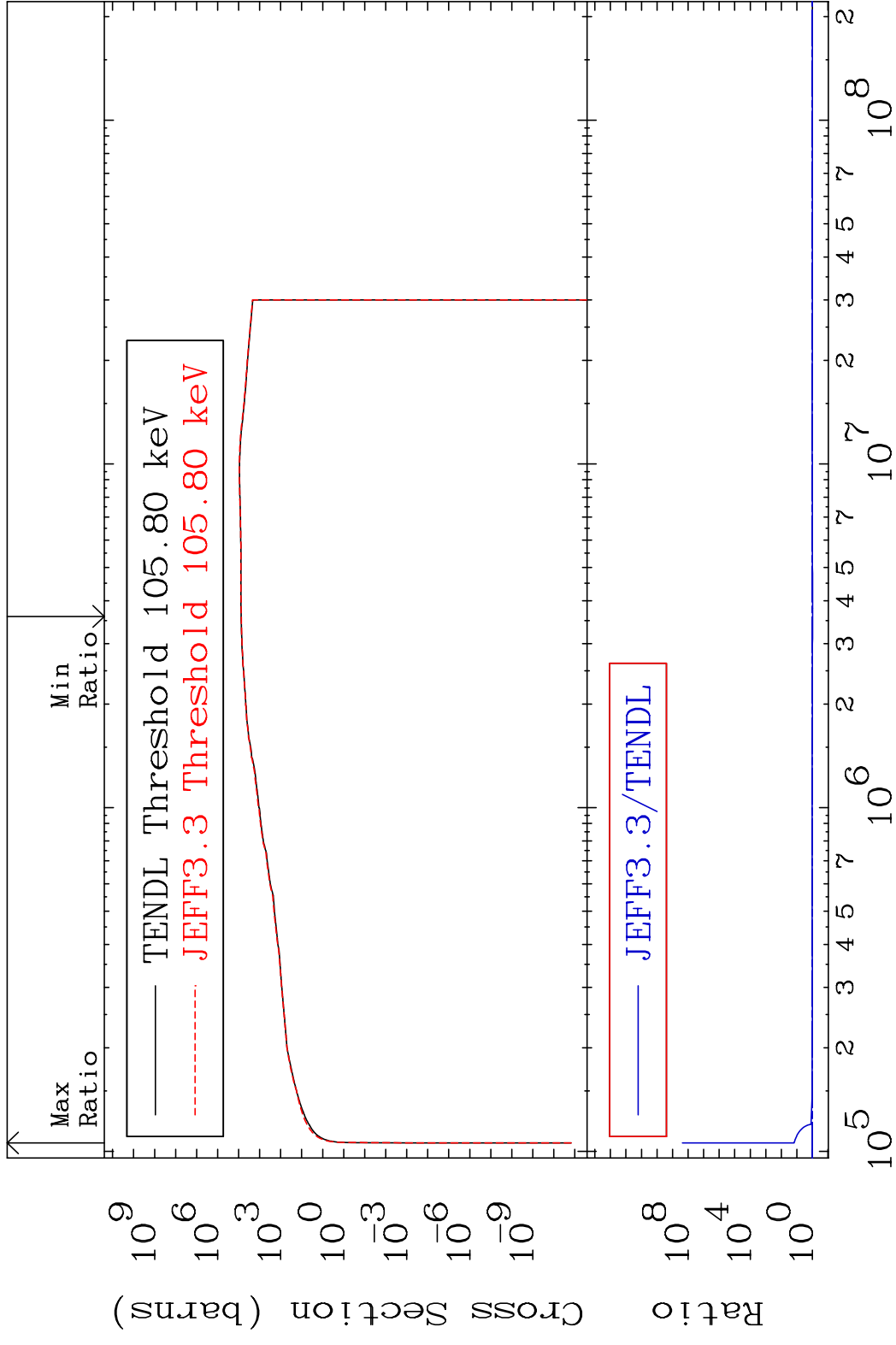
Incident Energy (eV)

21-Sc-45

MAT 2125 Dpa elastic (mt2) 21-Sc-45
 Cross Section -93.39 To 9999. %

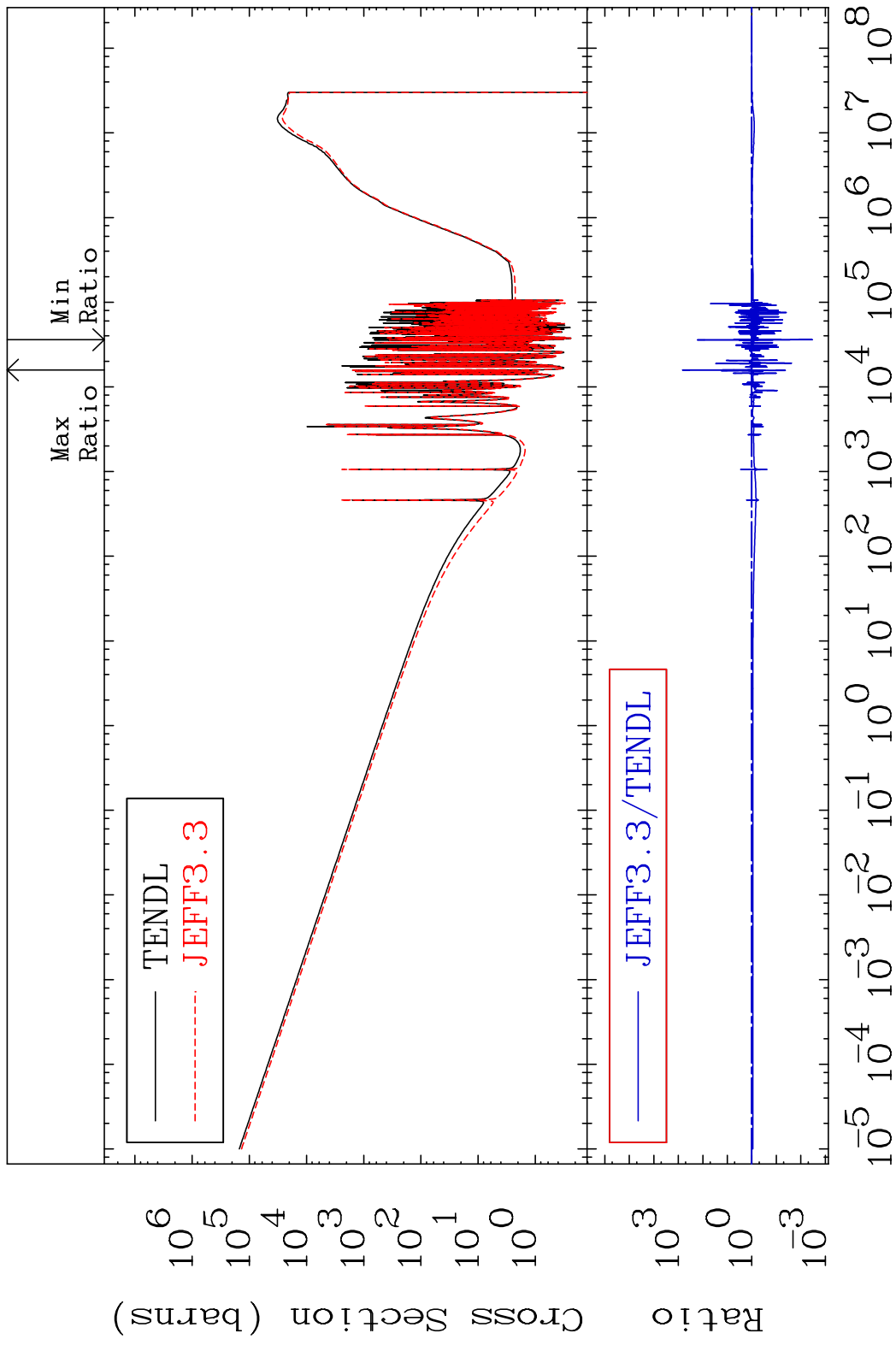


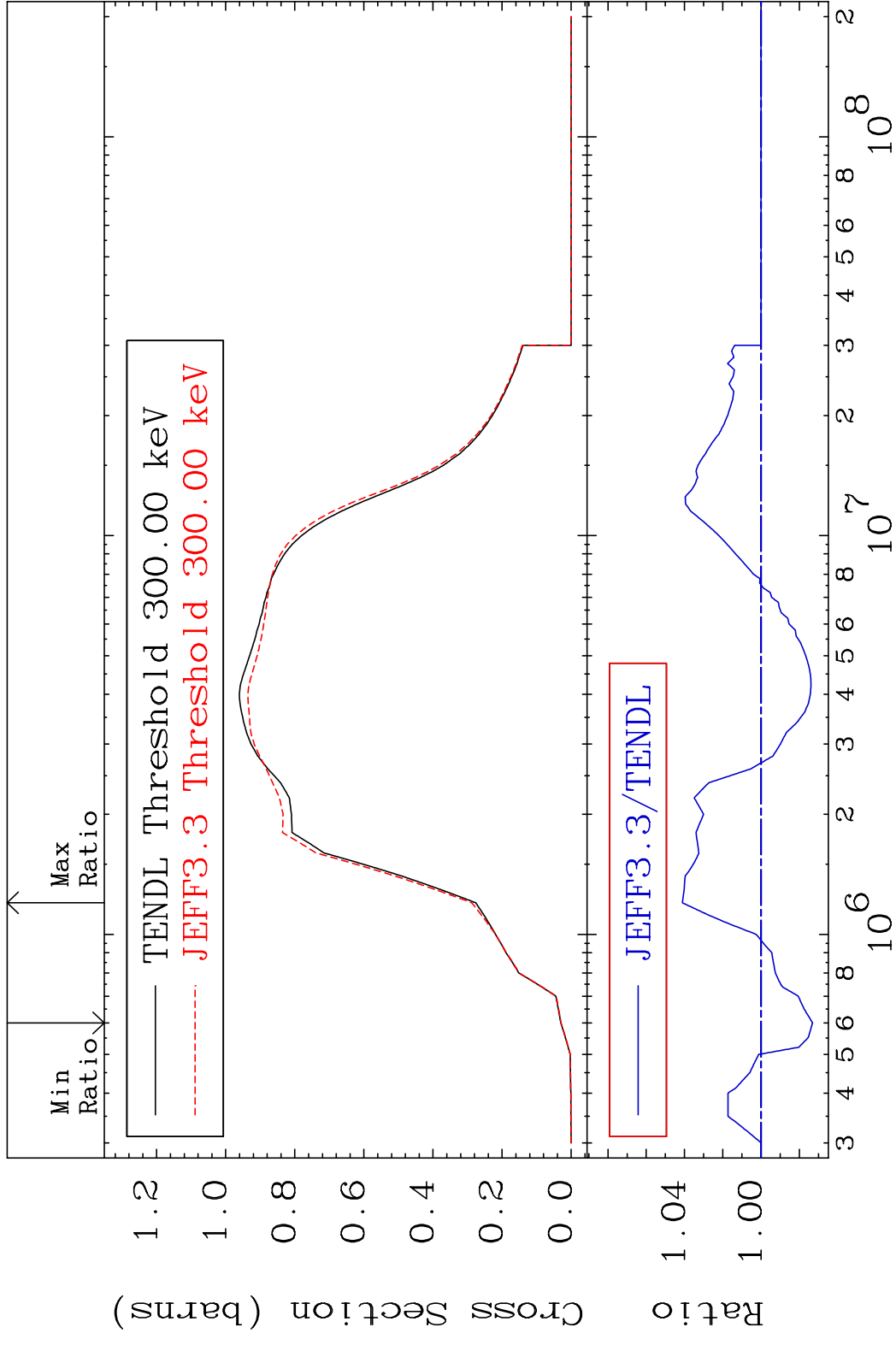
MAT 2125 Dpa inelastic (mt51-91) 21-Sc-45
 Cross Section -1.812 To 9999. %

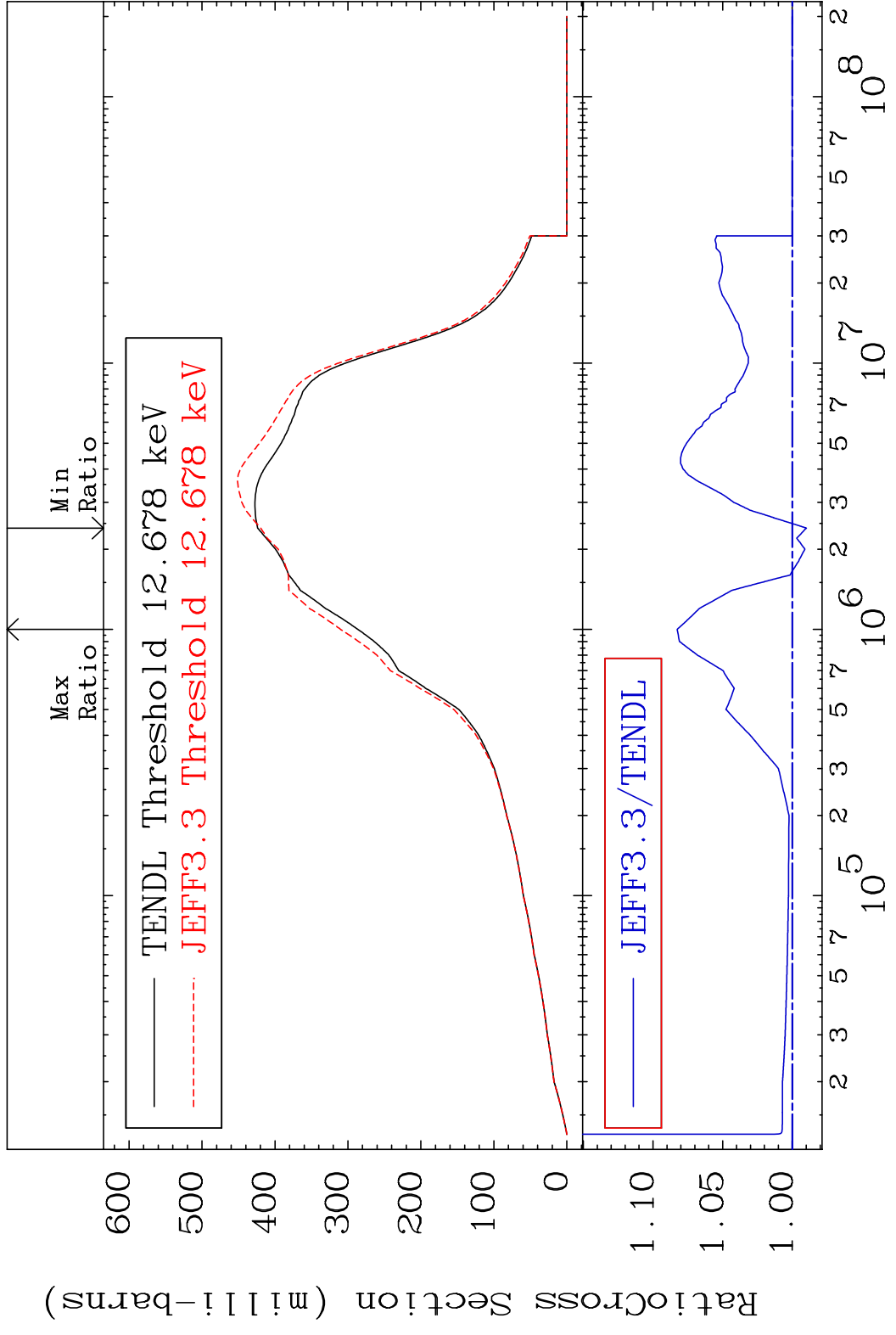


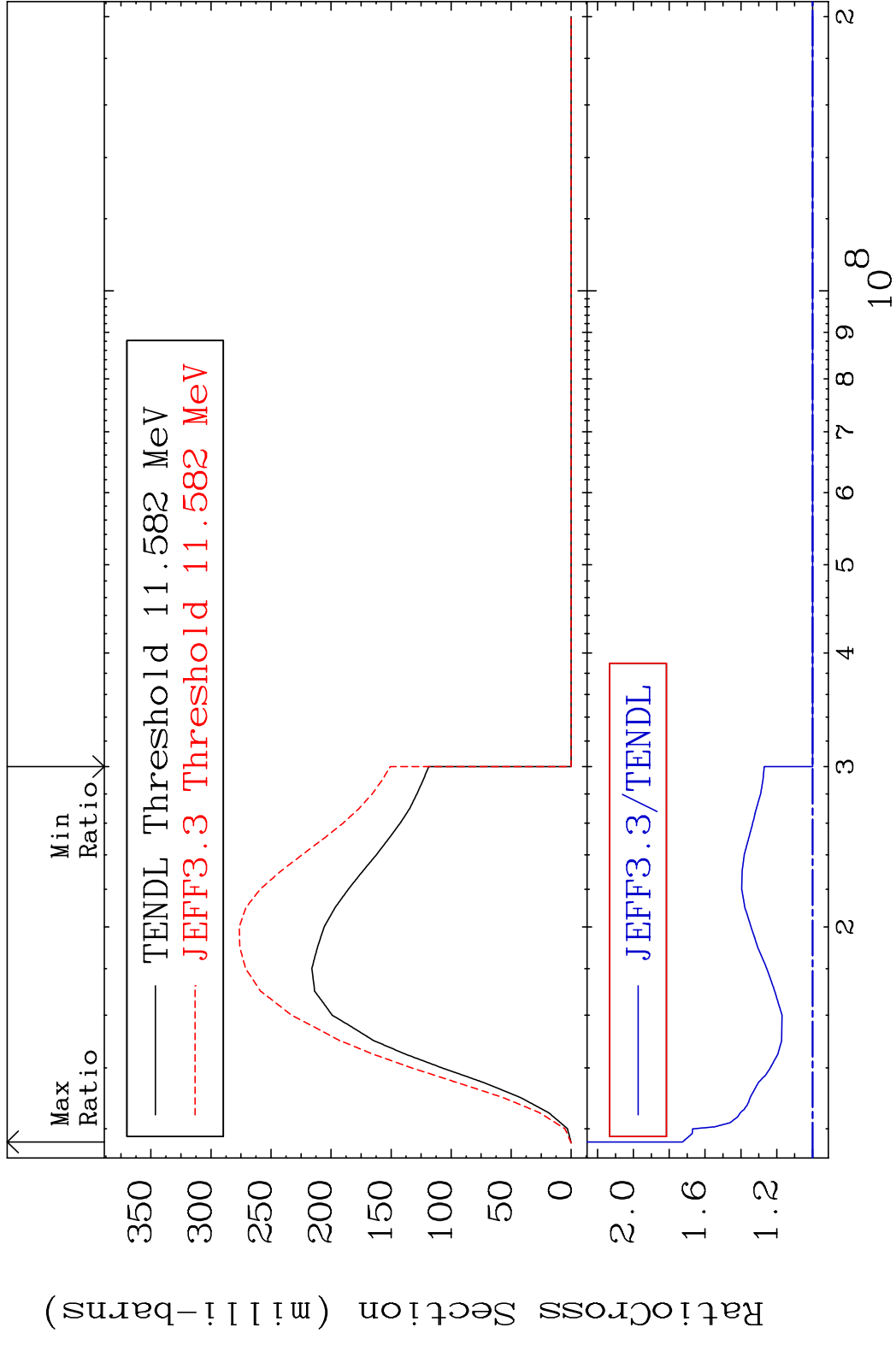
75 Incident Energy (eV) 21-Sc-45

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

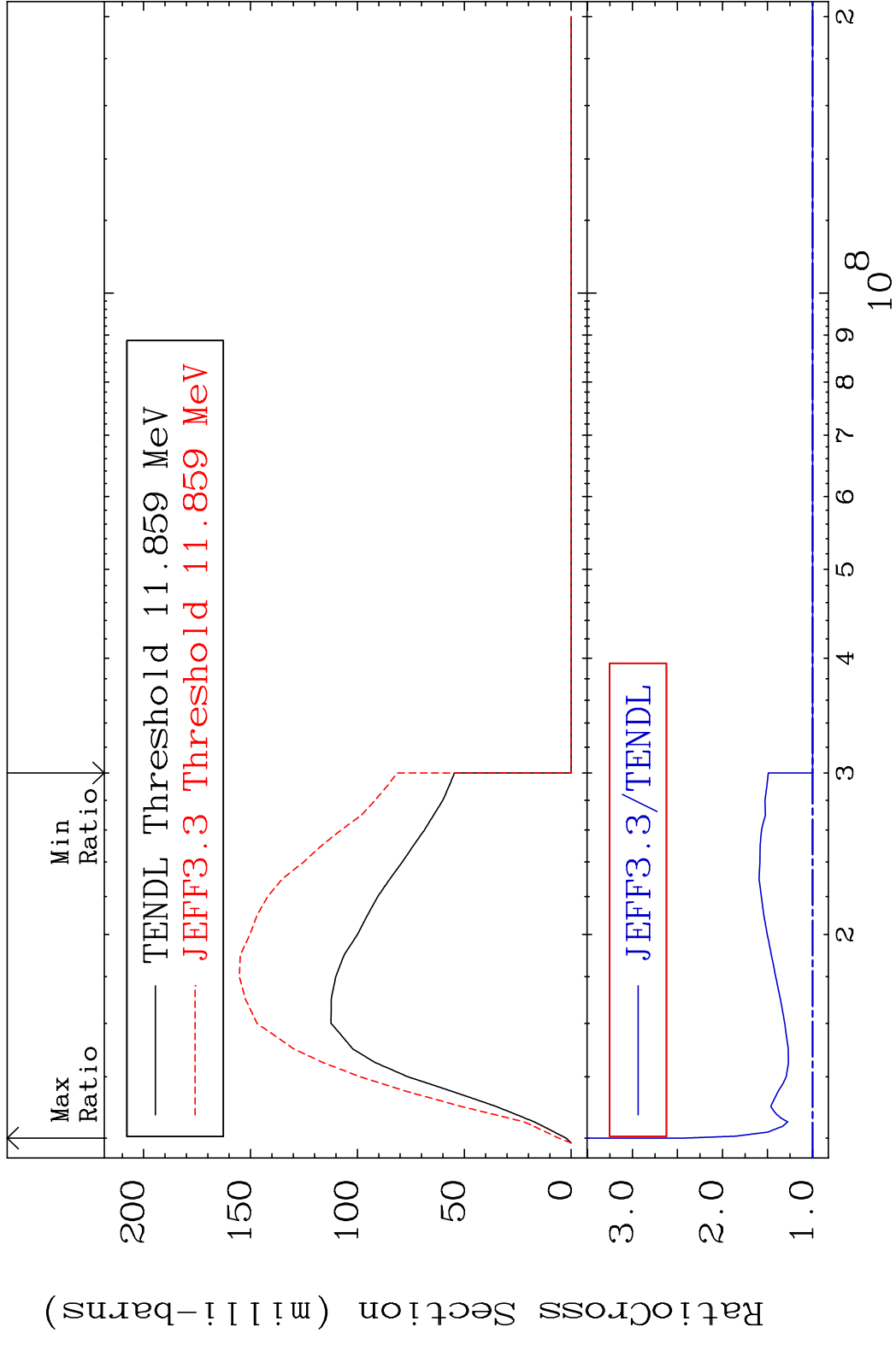








MAT 2125 (n,2n):21-Sc-44m4 21-Sc-45
 Radionuclide Production Cross Section 144.6 %



80 21-Sc-45

