

Program Complot
(Version 2021-1)

by

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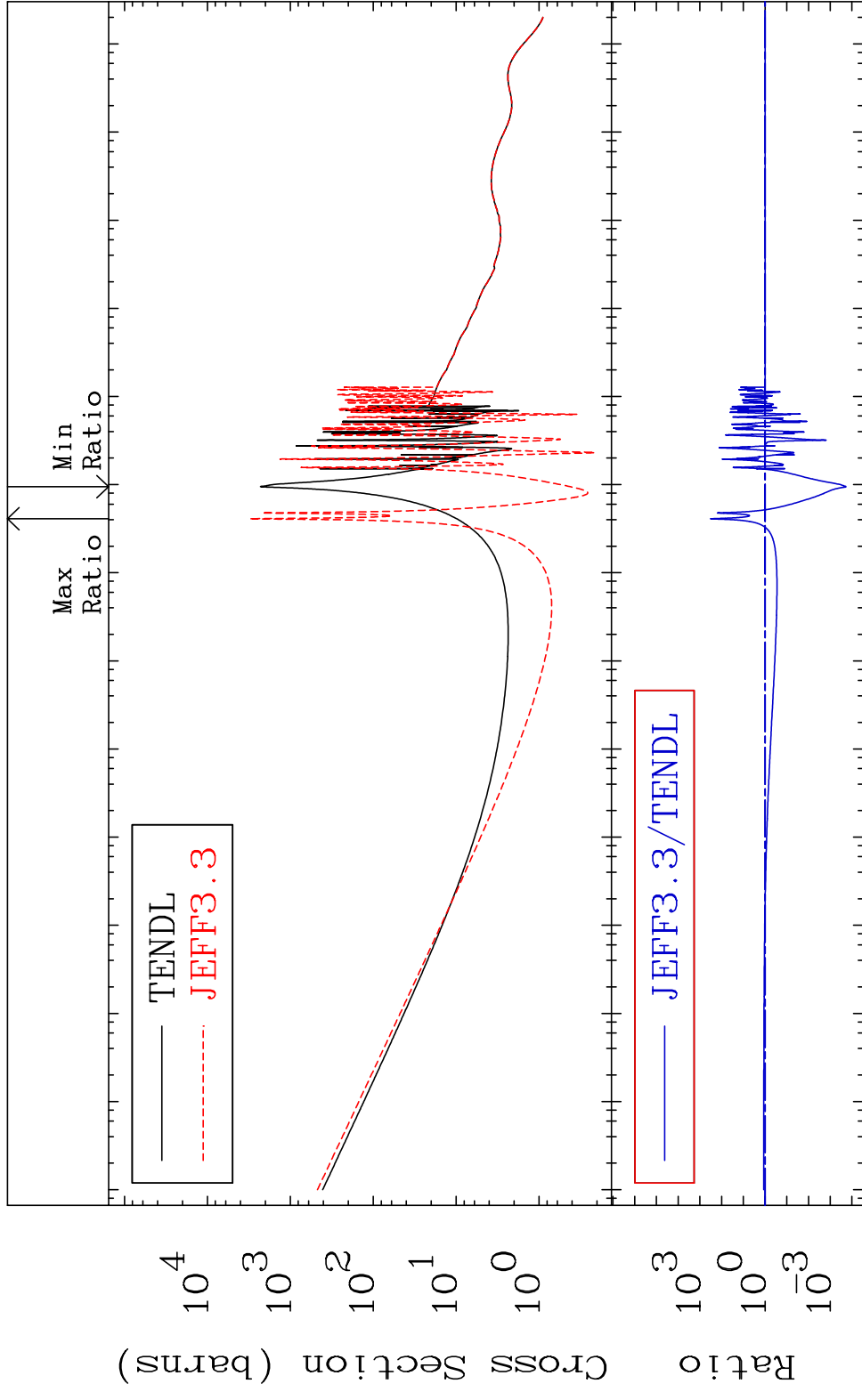
Press Mouse Button to Start

MAT 2128

21-Sc-46

Total

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

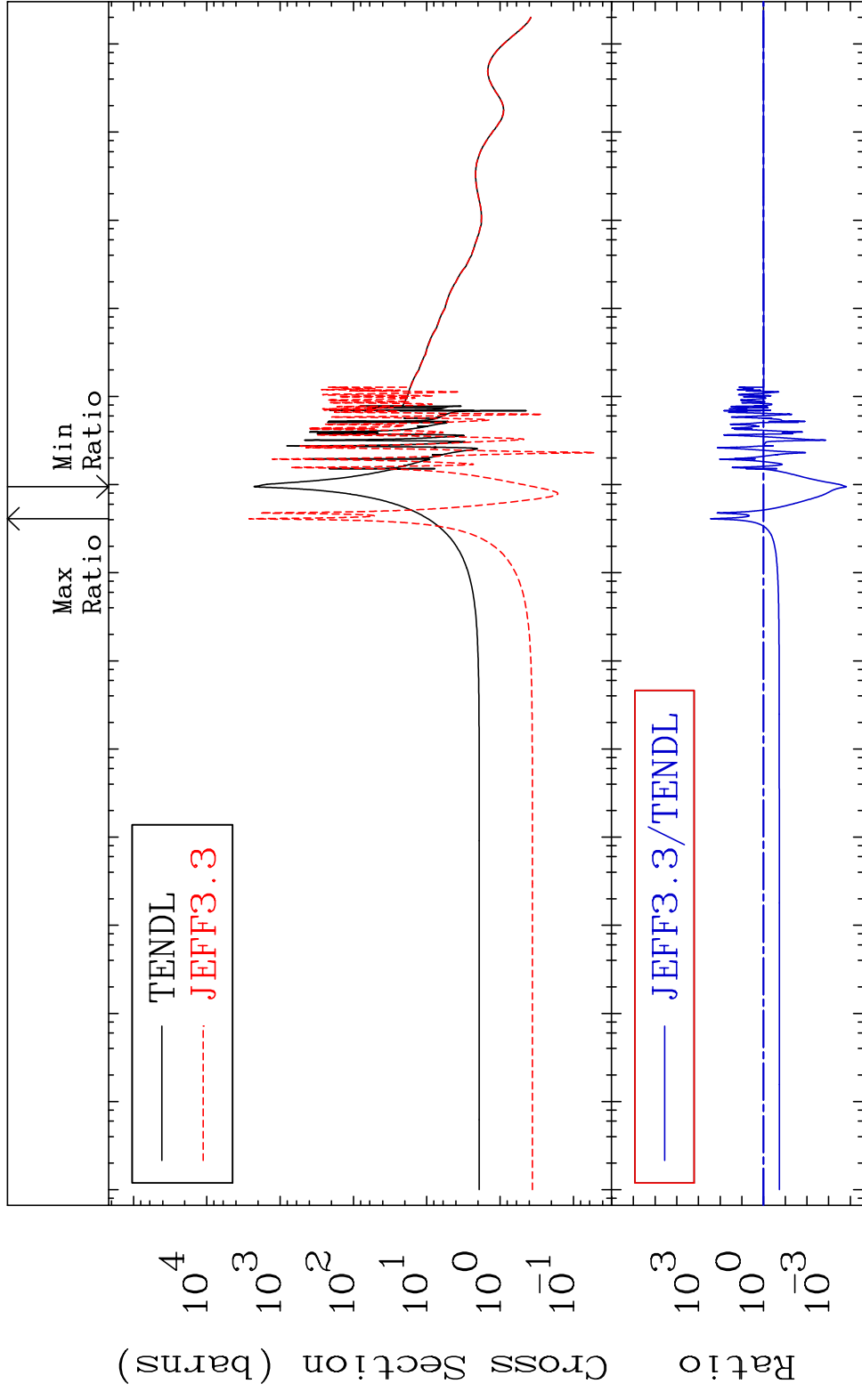
21-Sc-46

MAT 2128

21-Sc-46

Elastic

Cross Section -99.98 To 9999. %



2

Incident Energy (eV)

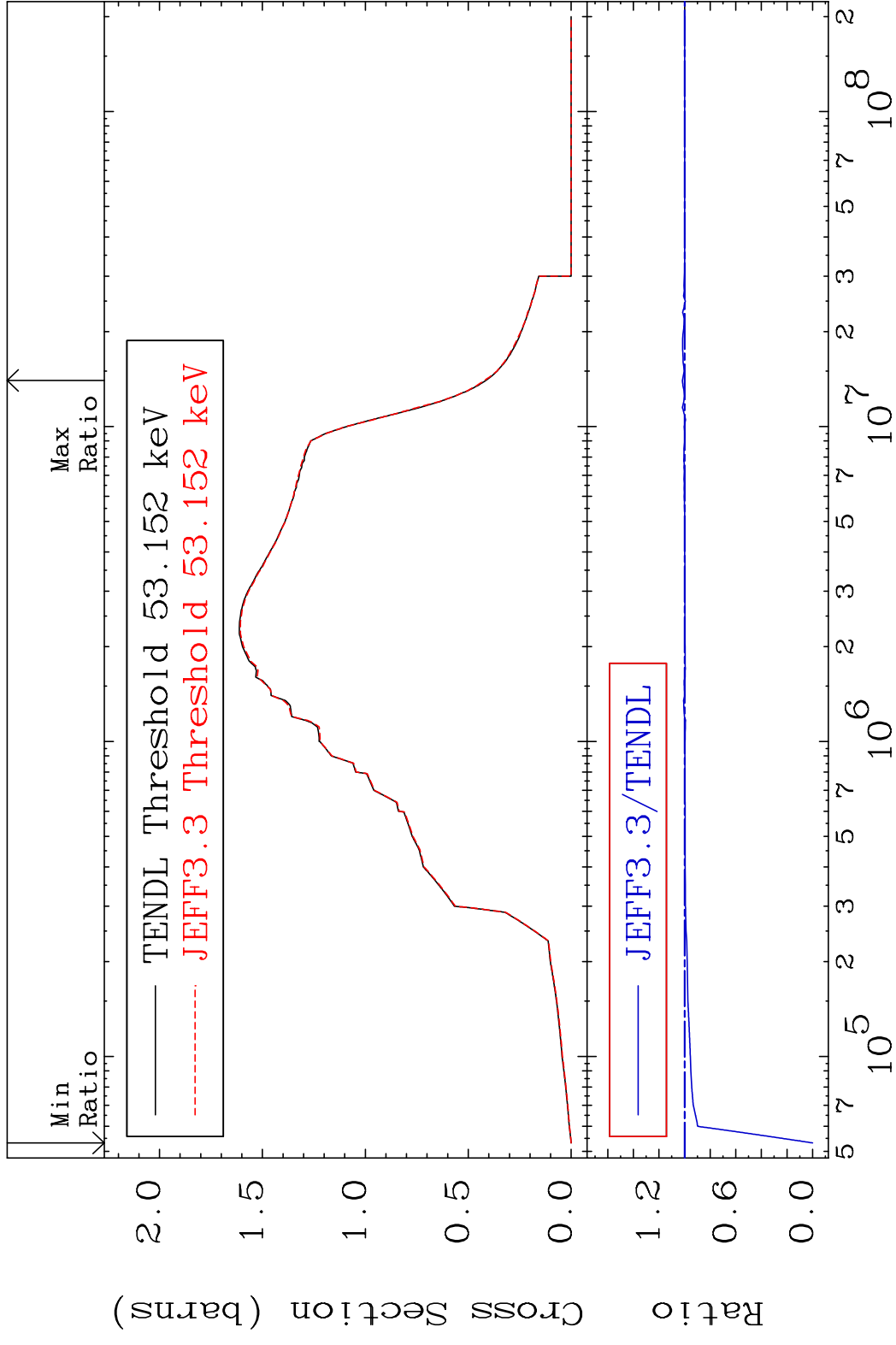
21-Sc-46

MAT 2128

Inelastic

21-Sc-46

Cross Section -100.0 To 1.720 %

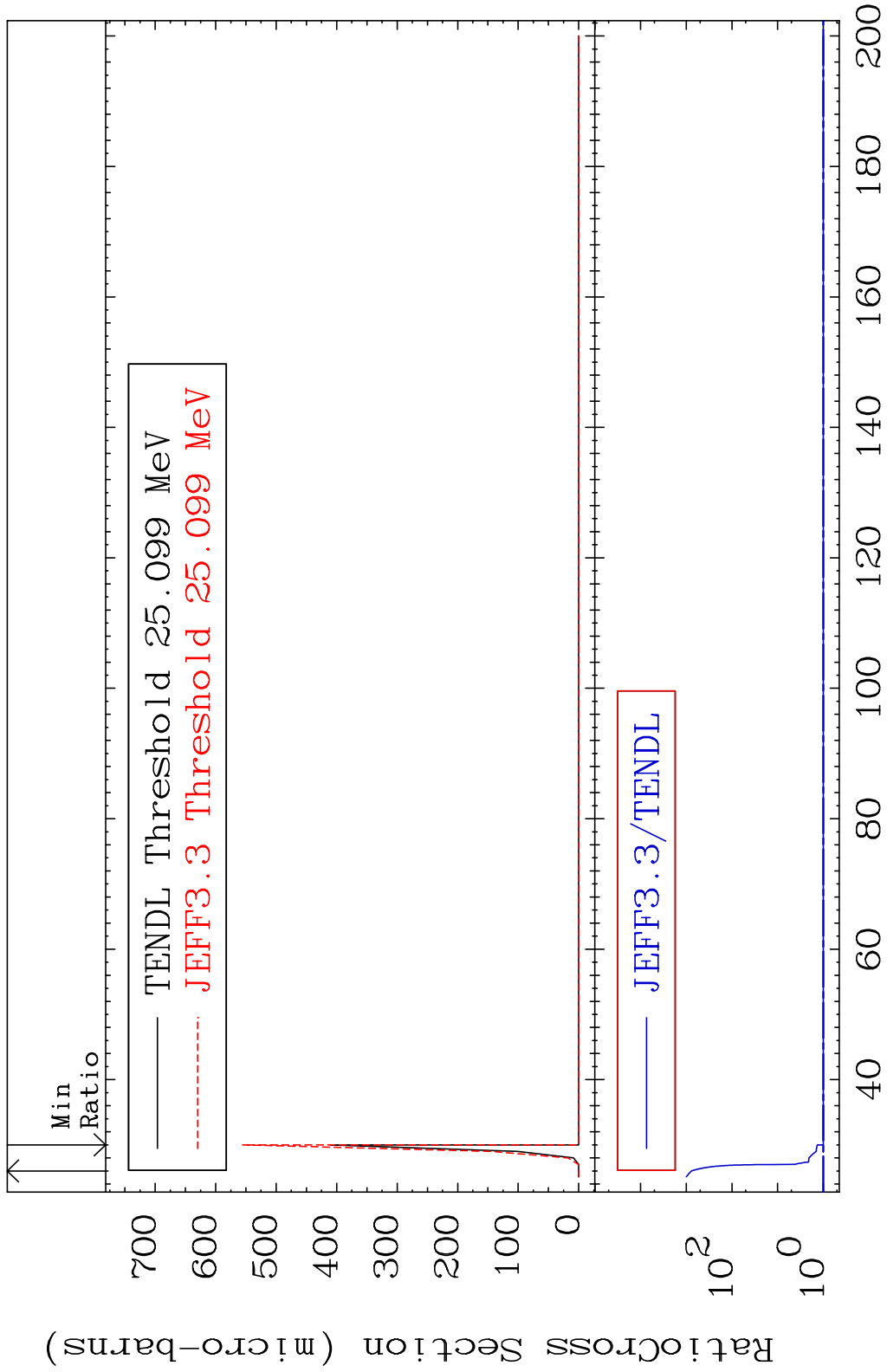


3

Incident Energy (eV)

21-Sc-46

MAT 2128 (n,2n) d 21-Sc-46
 Cross Section 0.000 To 9999. %

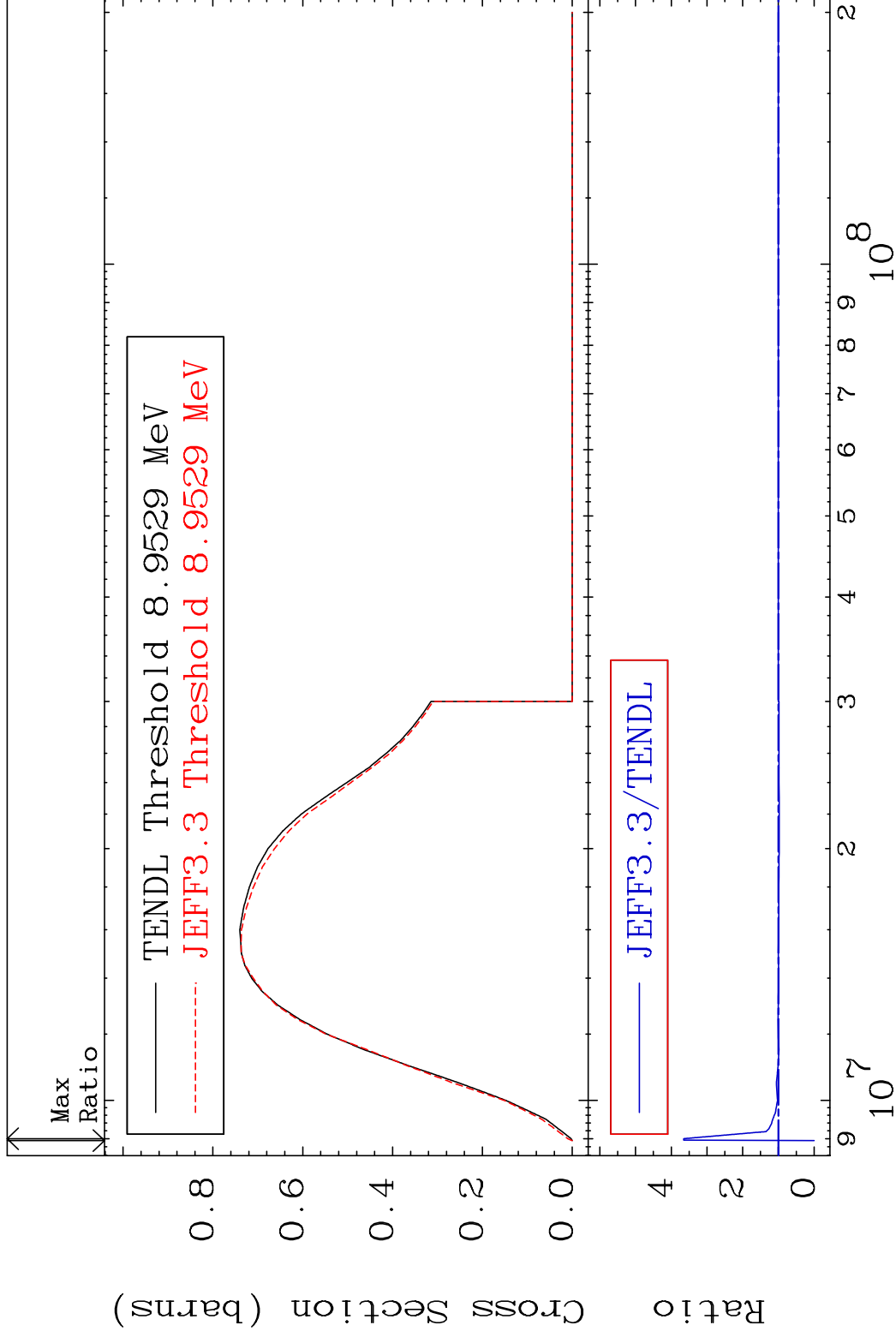


MAT 2128

(n,2n)

21-Sc-46

Cross Section -100.0 To 265.3 %



5

Incident Energy (eV)

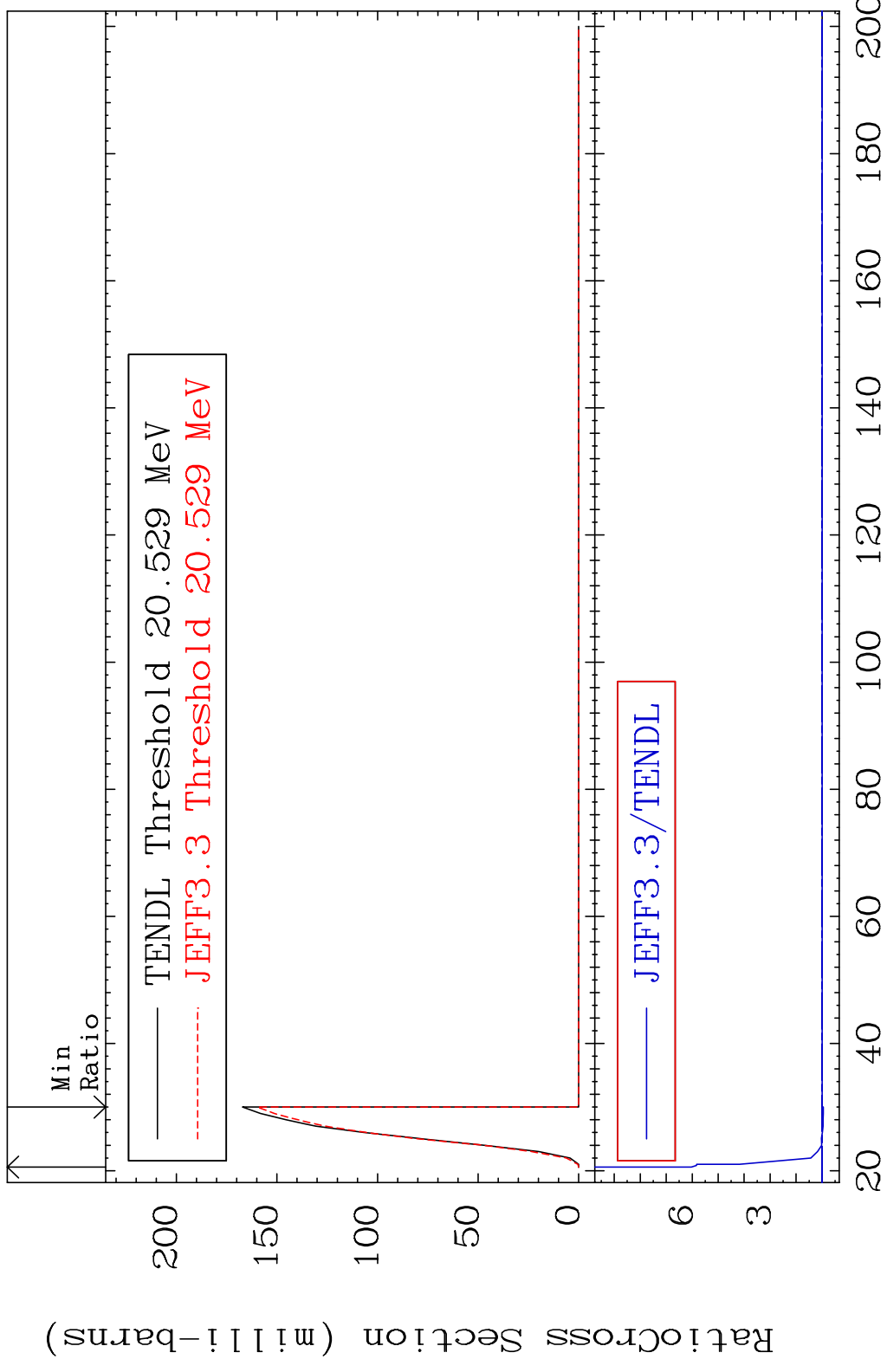
21-Sc-46

MAT 2128

(n,3n)

21-Sc-46

Cross Section -4.428 To 503.3 %



6

Incident Energy (MeV)

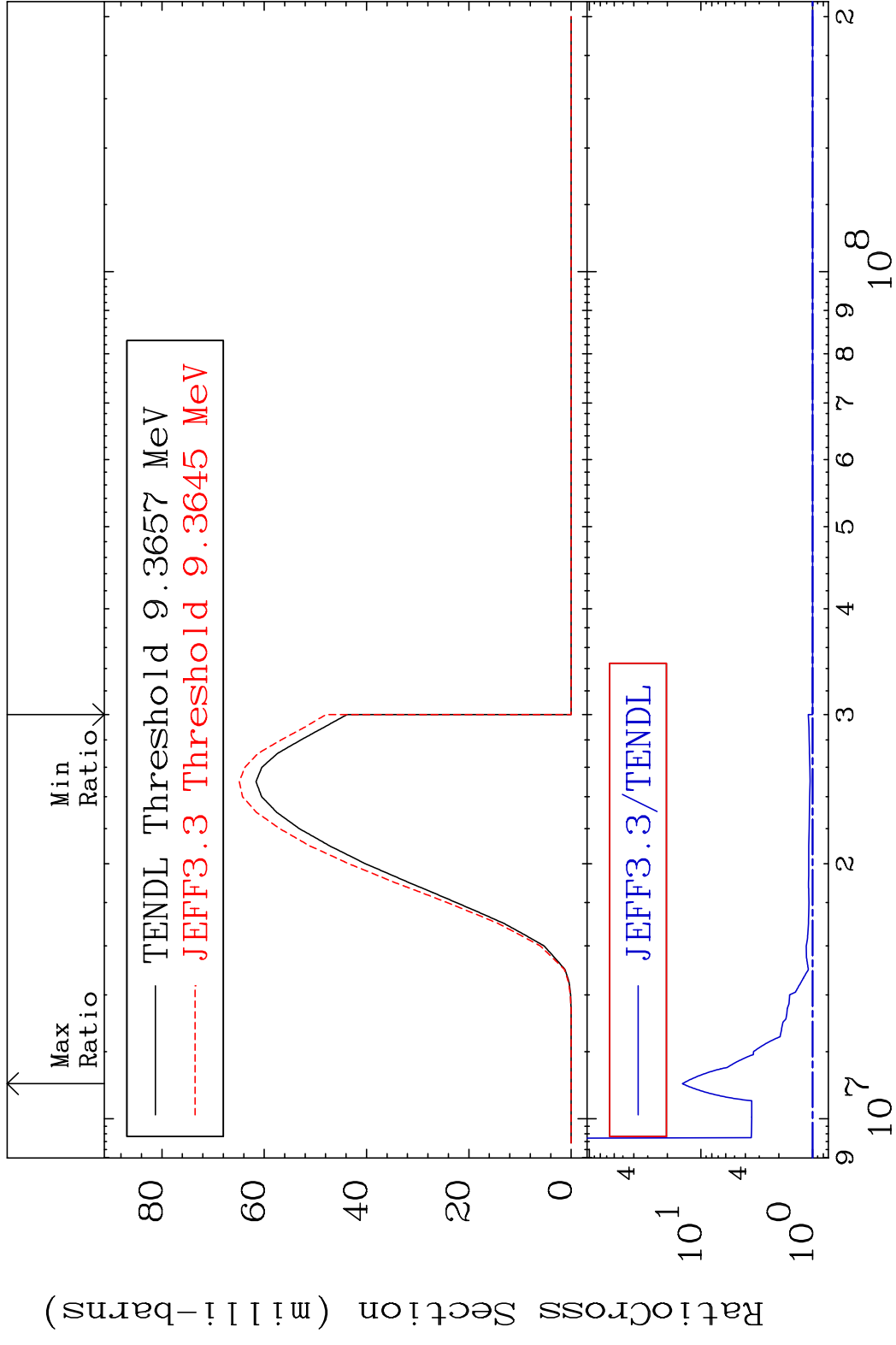
21-Sc-46

MAT 2128

(n, n') α

21-Sc-46

Cross Section 0.000 To 1368. %



7

Incident Energy (eV)

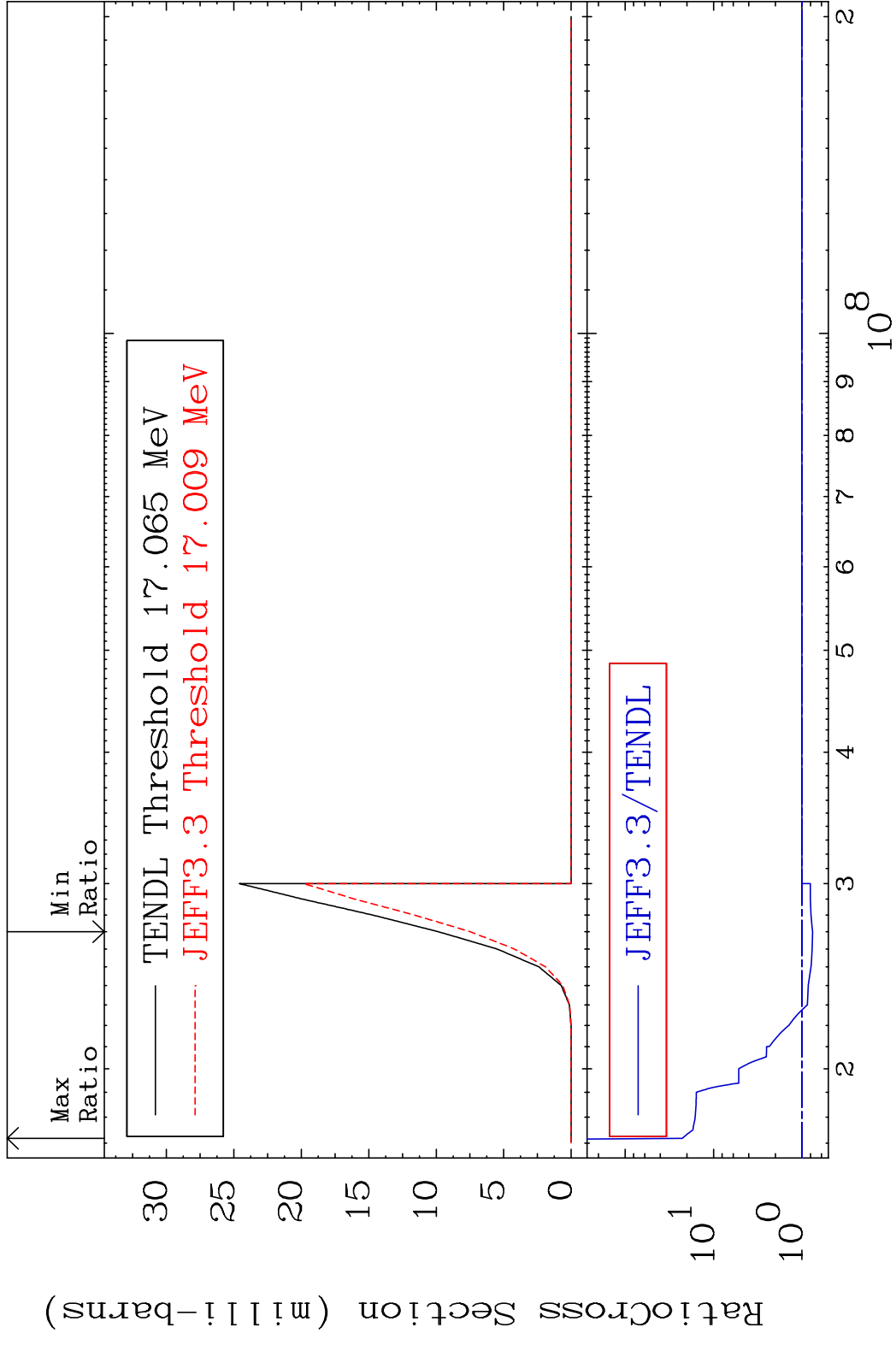
21-Sc-46

MAT 2128

(n,2n) α

21-Sc-46

Cross Section -24.08 To 2152. %



8

Incident Energy (eV)

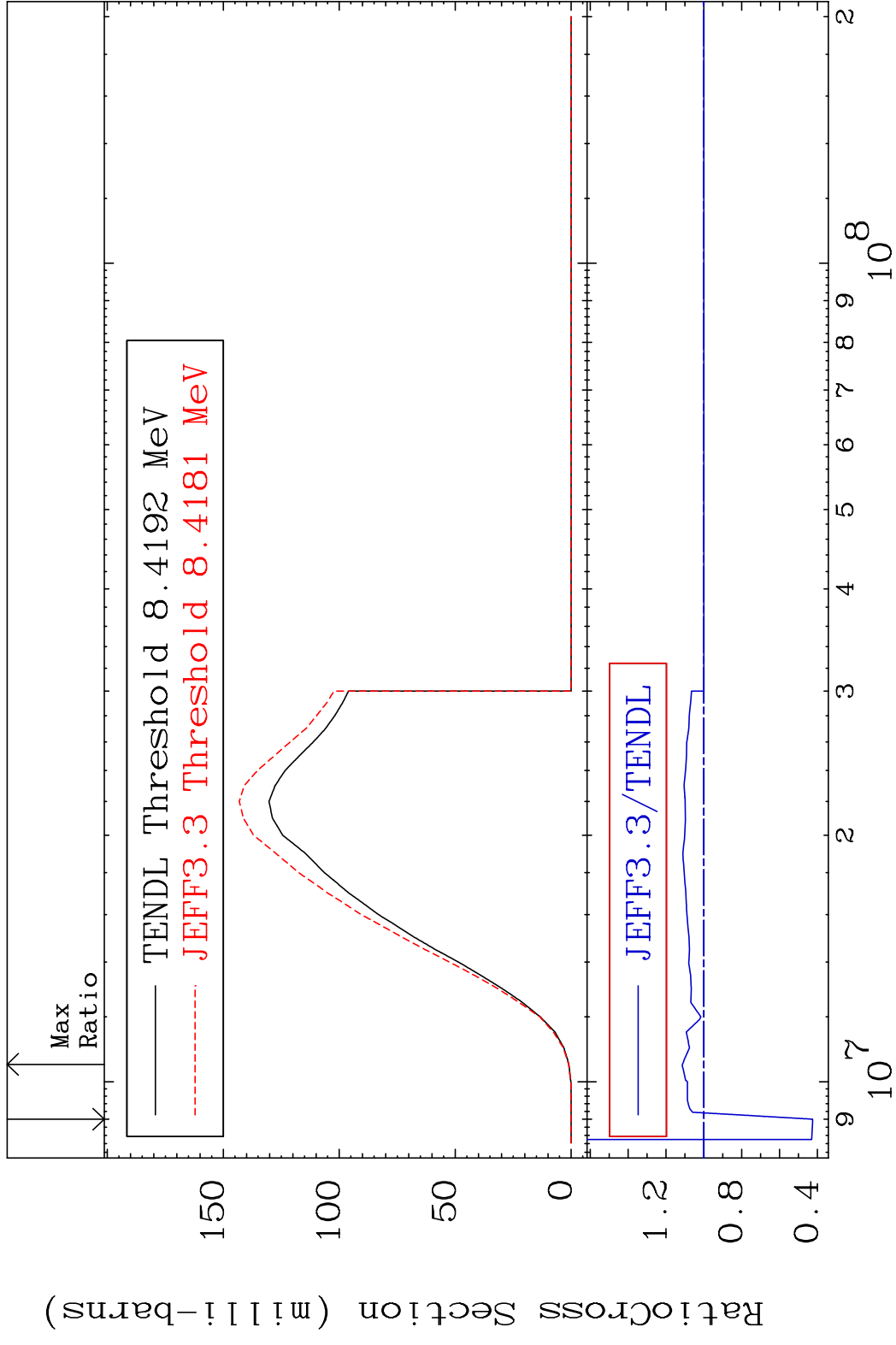
21-Sc-46

MAT 2128

(n, n') p

21-Sc-46

Cross Section -57.46 To 11.34 %



9

Incident Energy (eV)

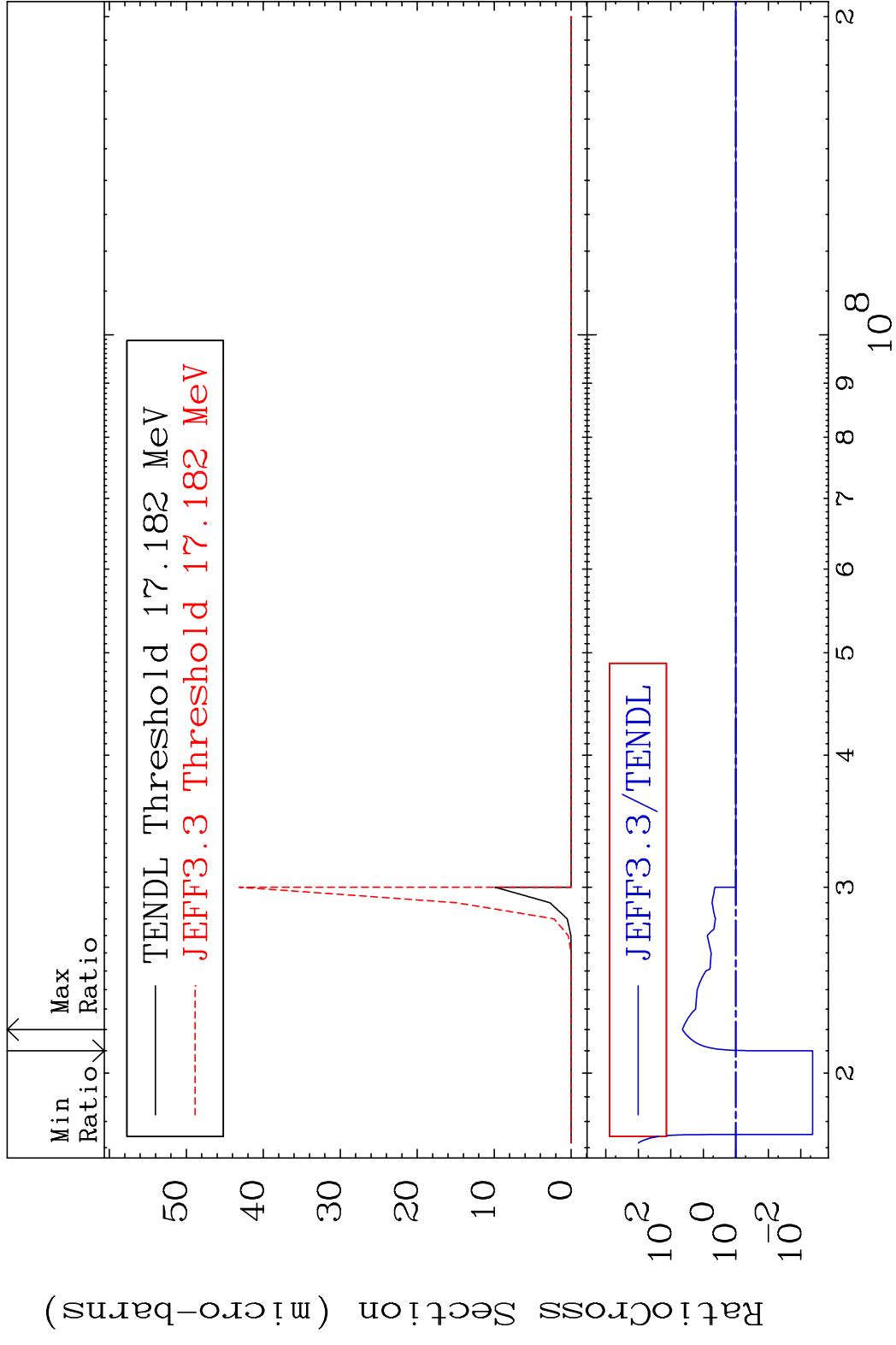
21-Sc-46

MAT 2128

(n, n') 2 α

21-Sc-46

Cross Section -99.56 To 4326. %



10

Incident Energy (eV)

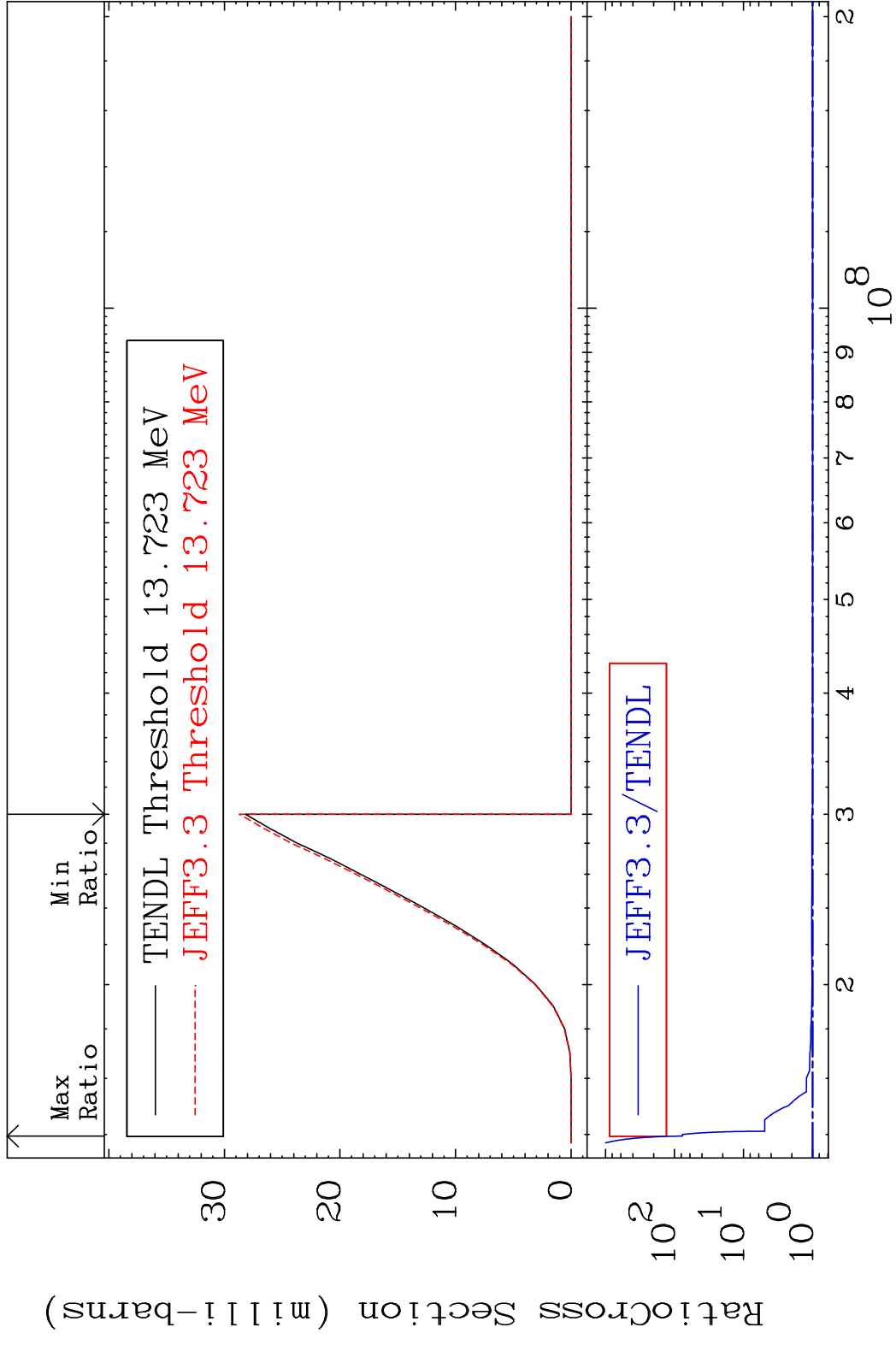
21-Sc-46

MAT 2128

(n, n') d

21-Sc-46

Cross Section 0.000 To 7598. %

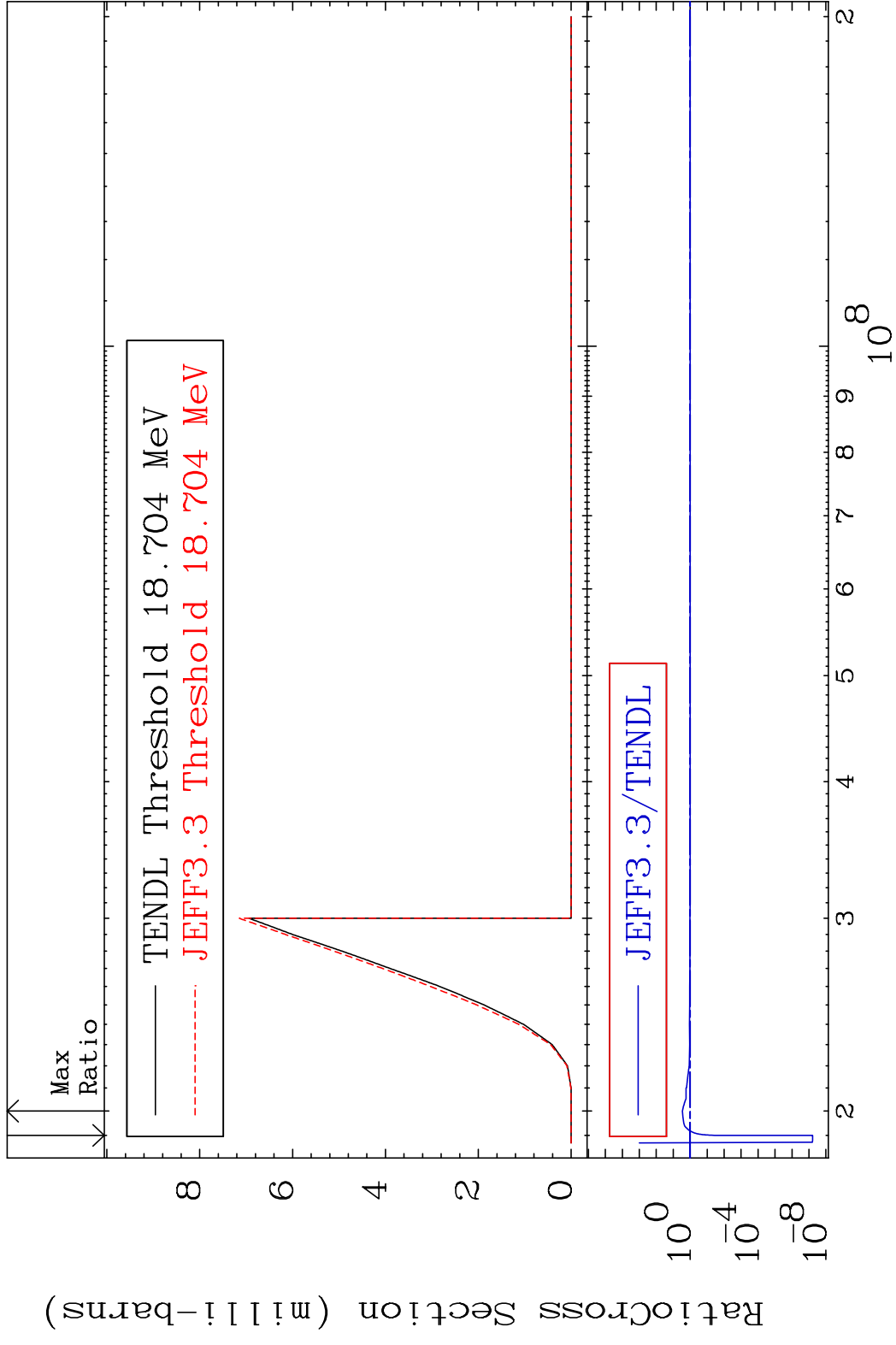


MAT 2128

(n, n') t

21-Sc-46

Cross Section -100.0 To 189.1 %

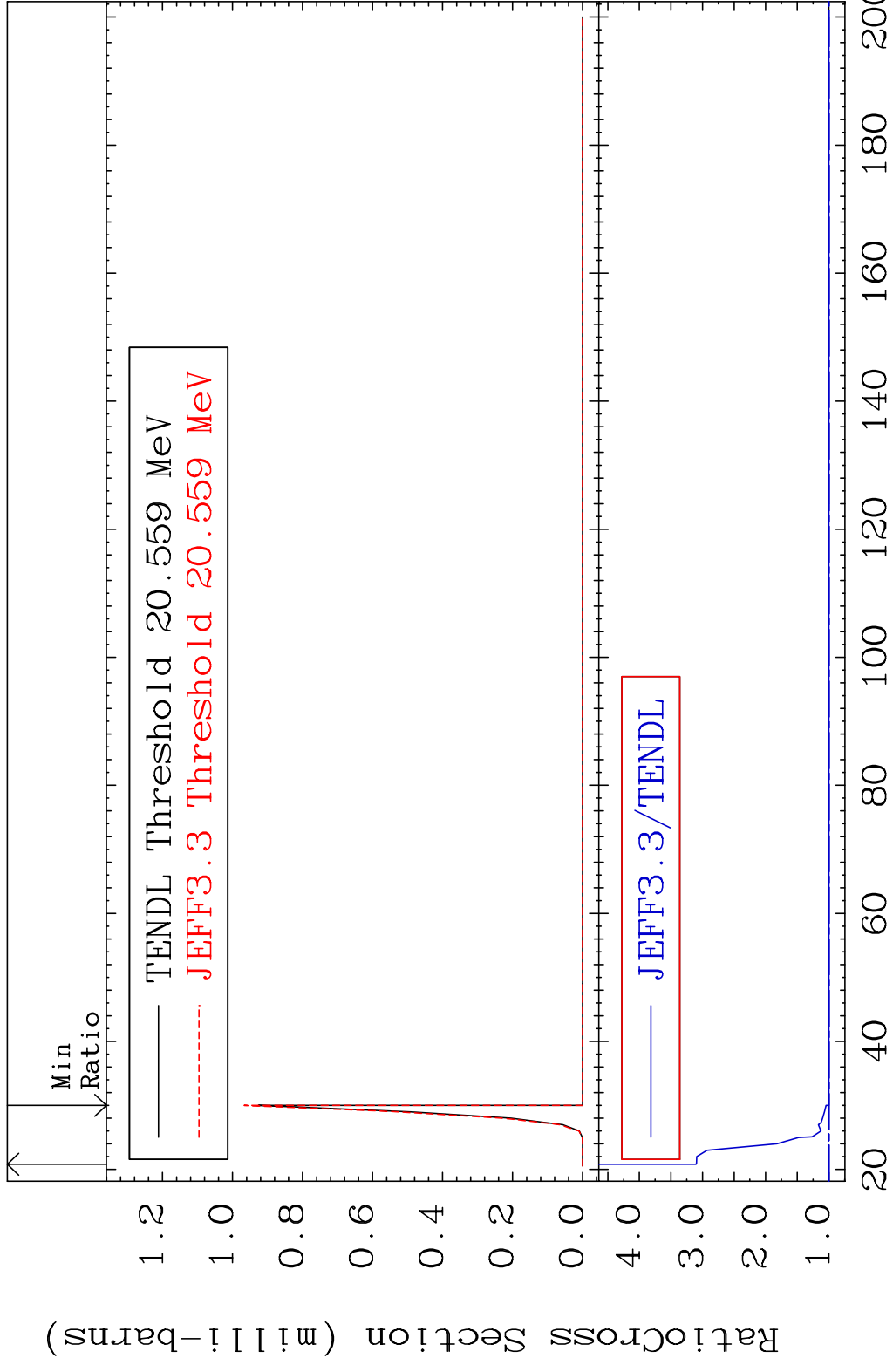


12

Incident Energy (eV)

21-Sc-46

MAT 2128 (n,n') He-3 21-Sc-46
 Cross Section 0.000 To 210.3 %

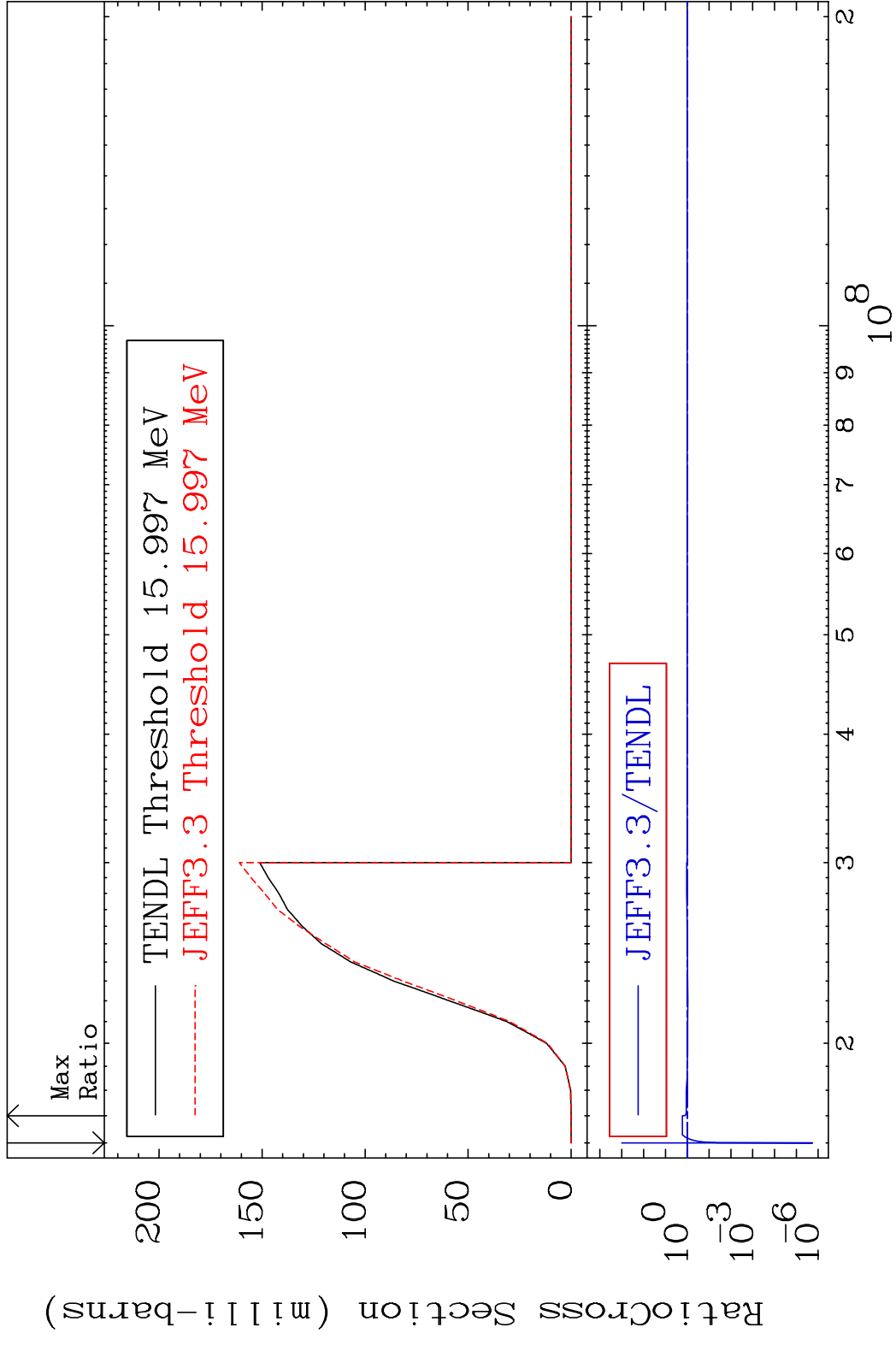


MAT 2128

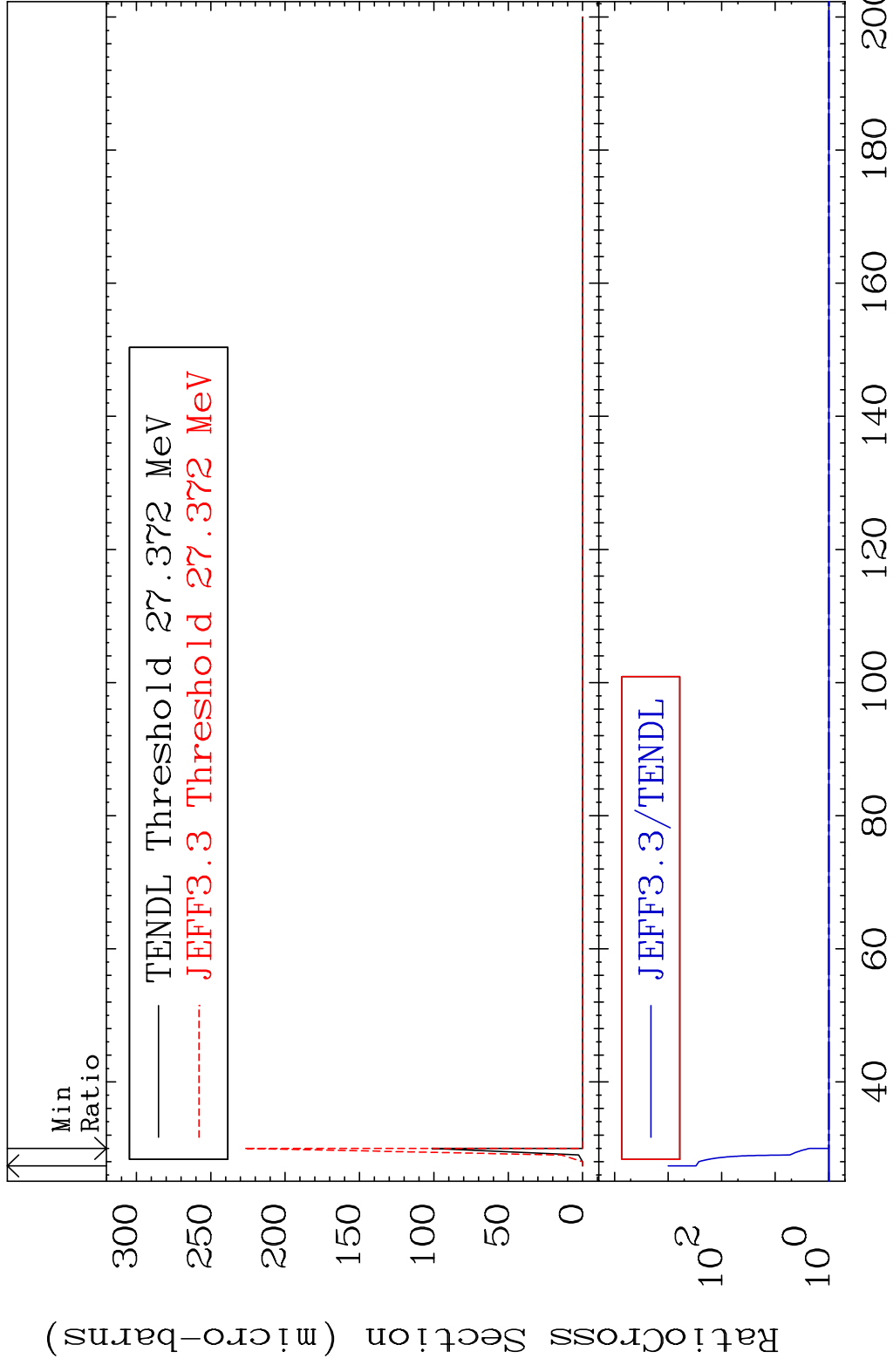
(n,2n) p

21-Sc-46

Cross Section -100.0 To 67.28 %



MAT 2128 (n,3n) p 21-Sc-46
 Cross Section 0.000 To 9999. %



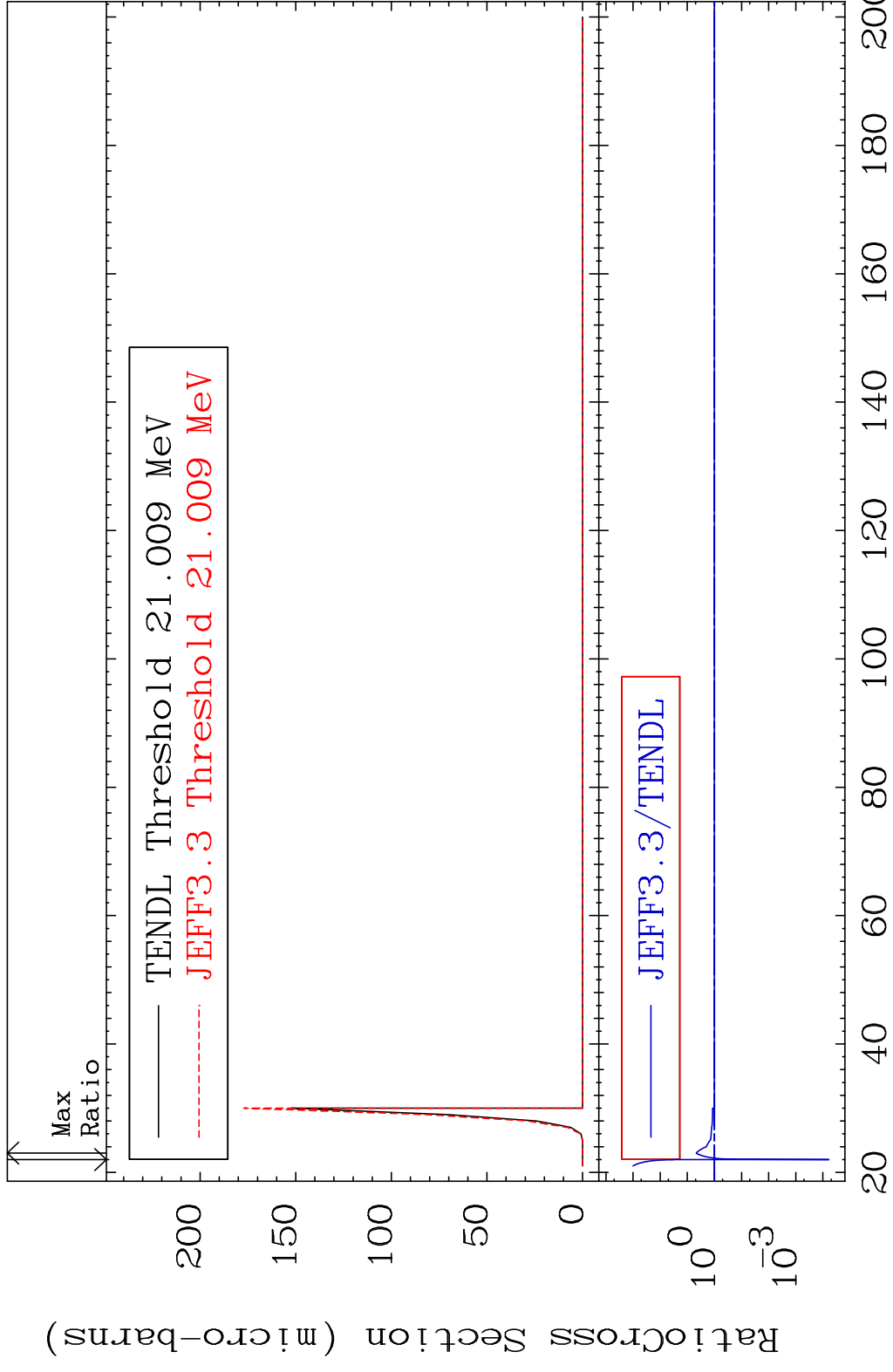
MAT 2128

(n,2n) p

21-Sc-46

Cross Section

-99.99 To 377.7 %

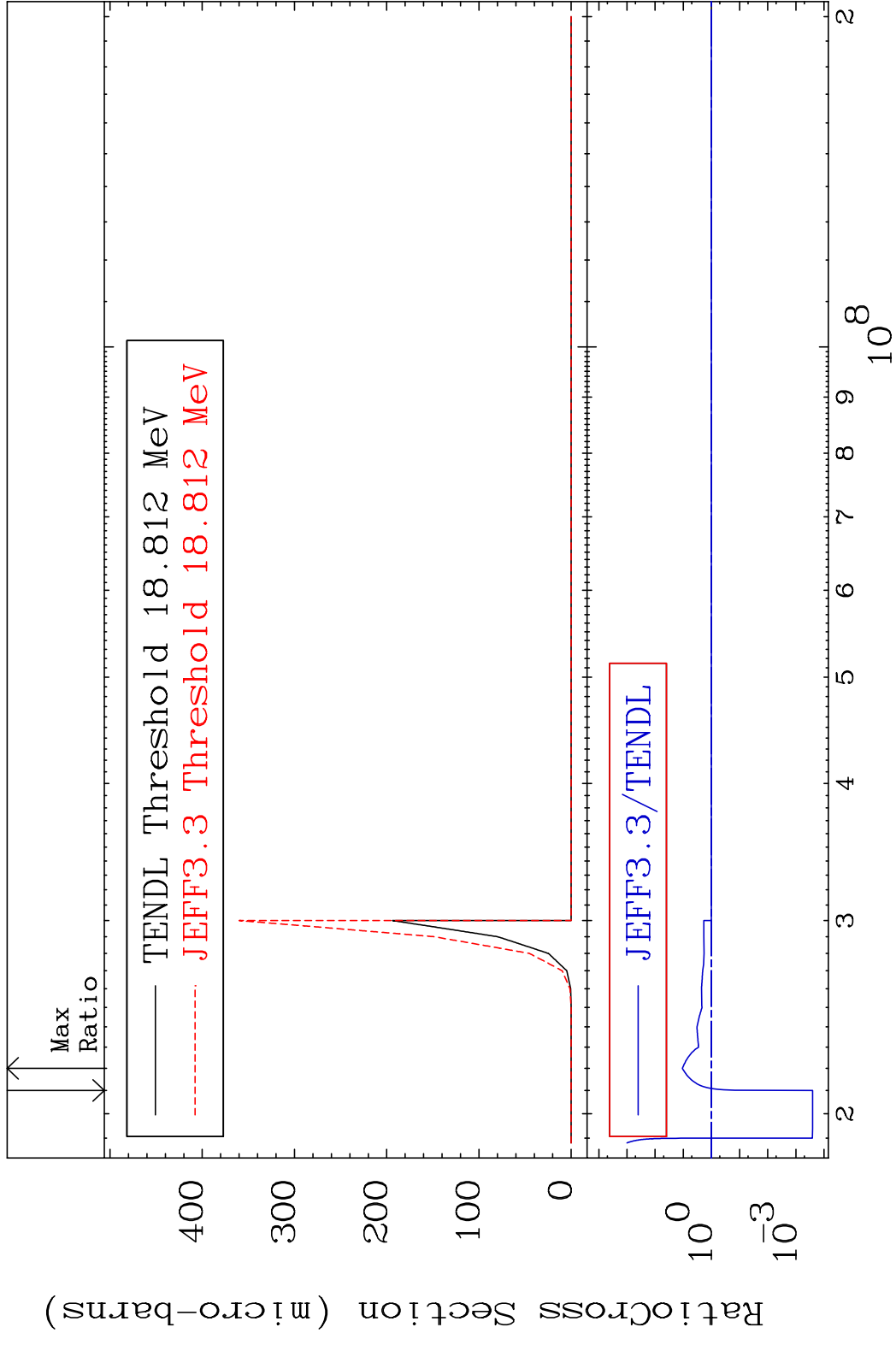


MAT 2128

(n,n') p α

21-Sc-46

Cross Section -99.97 To 977.7 %

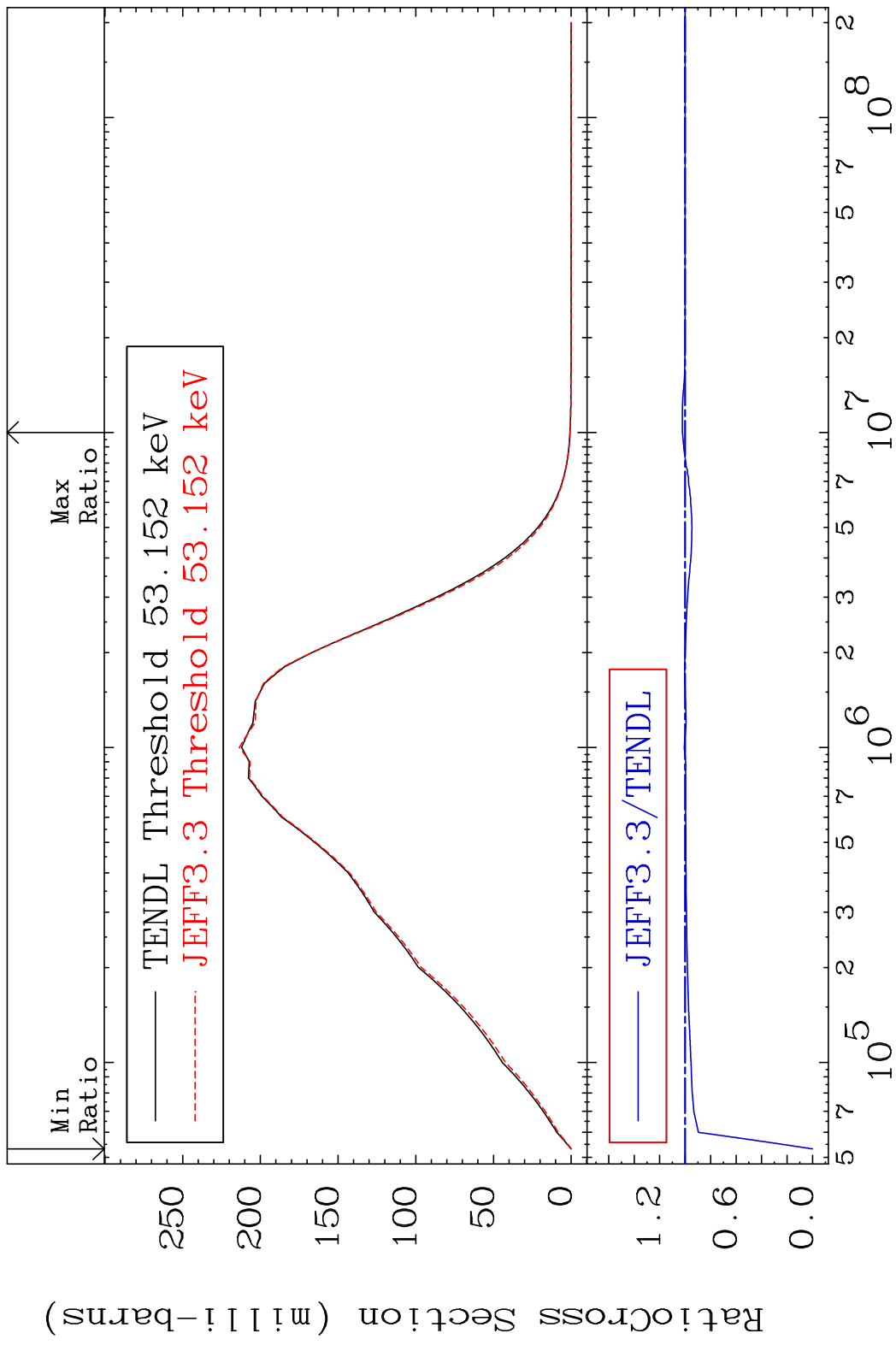


17

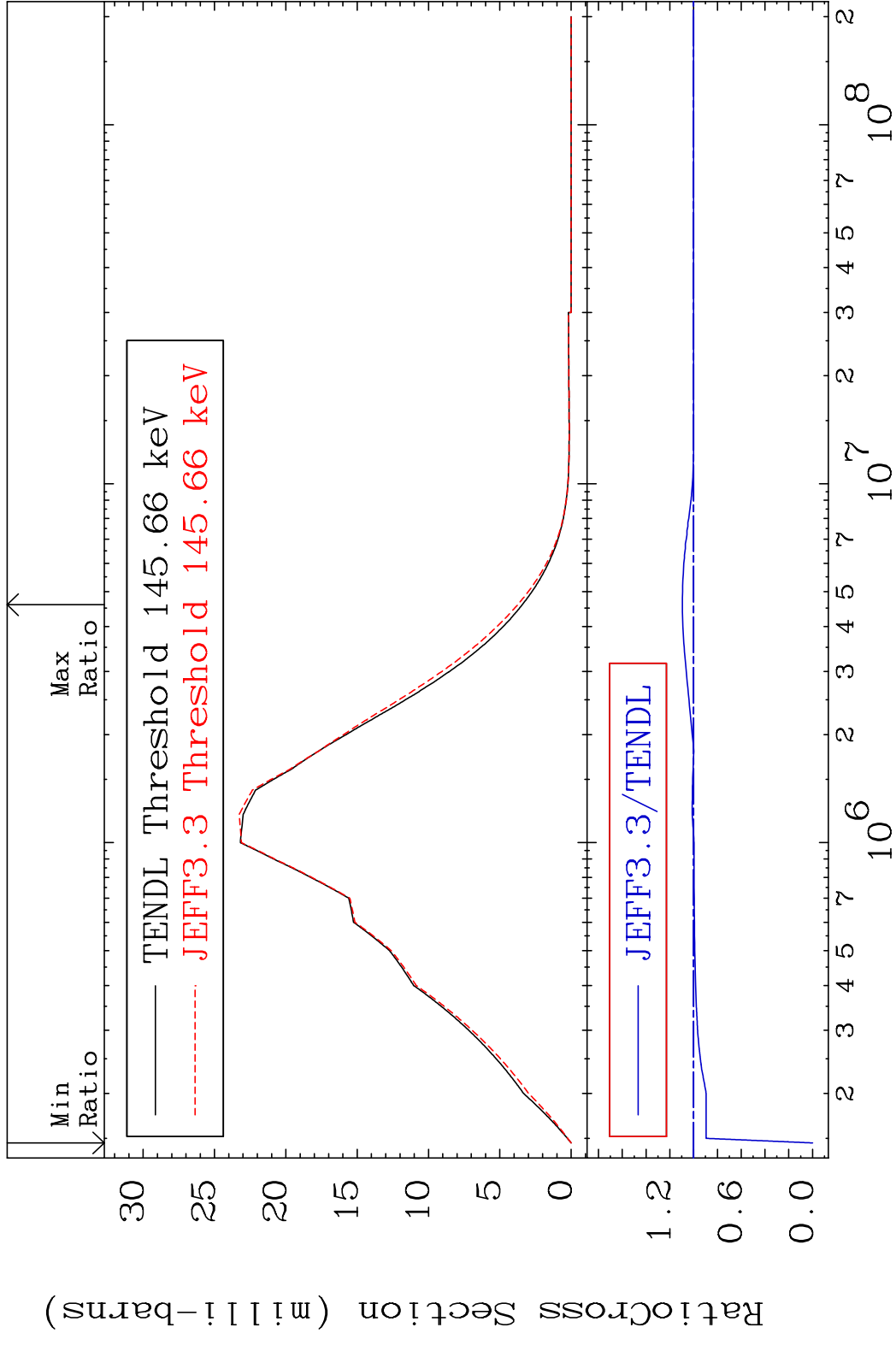
Incident Energy (eV)

21-Sc-46

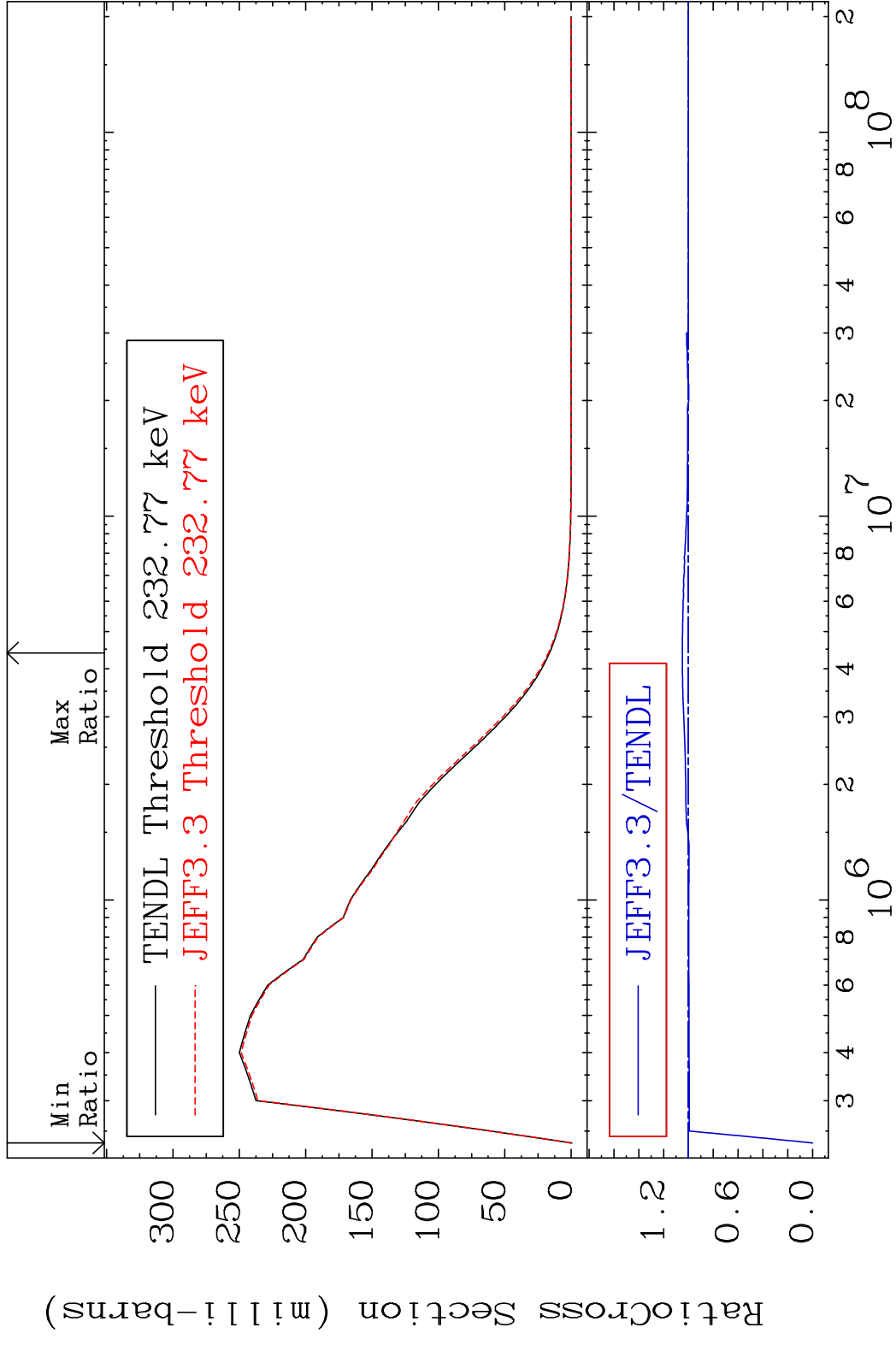
MAT 2128 MT= 51 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 2.205 %



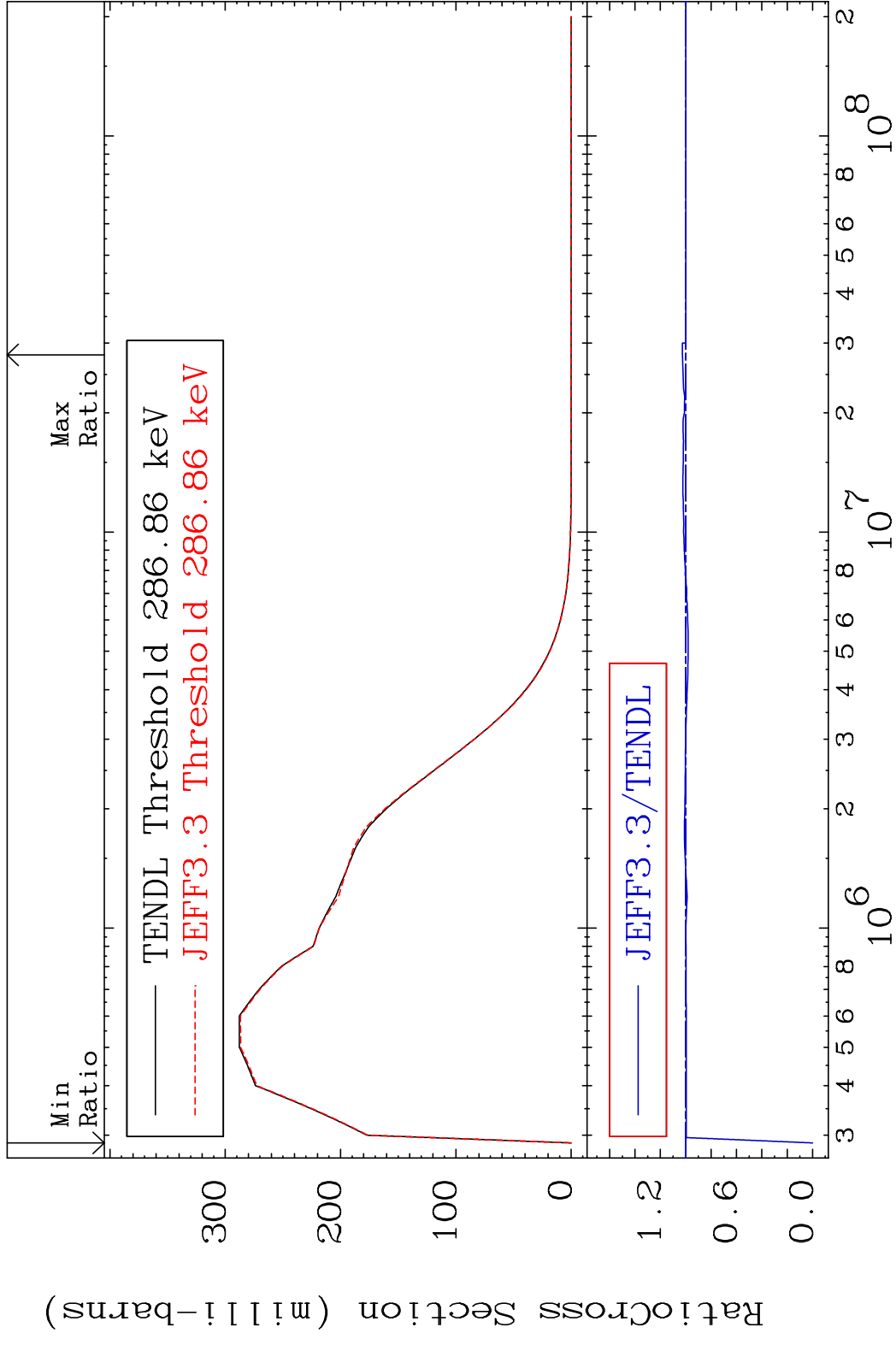
MAT 2128 MT= 52 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 9.482 %



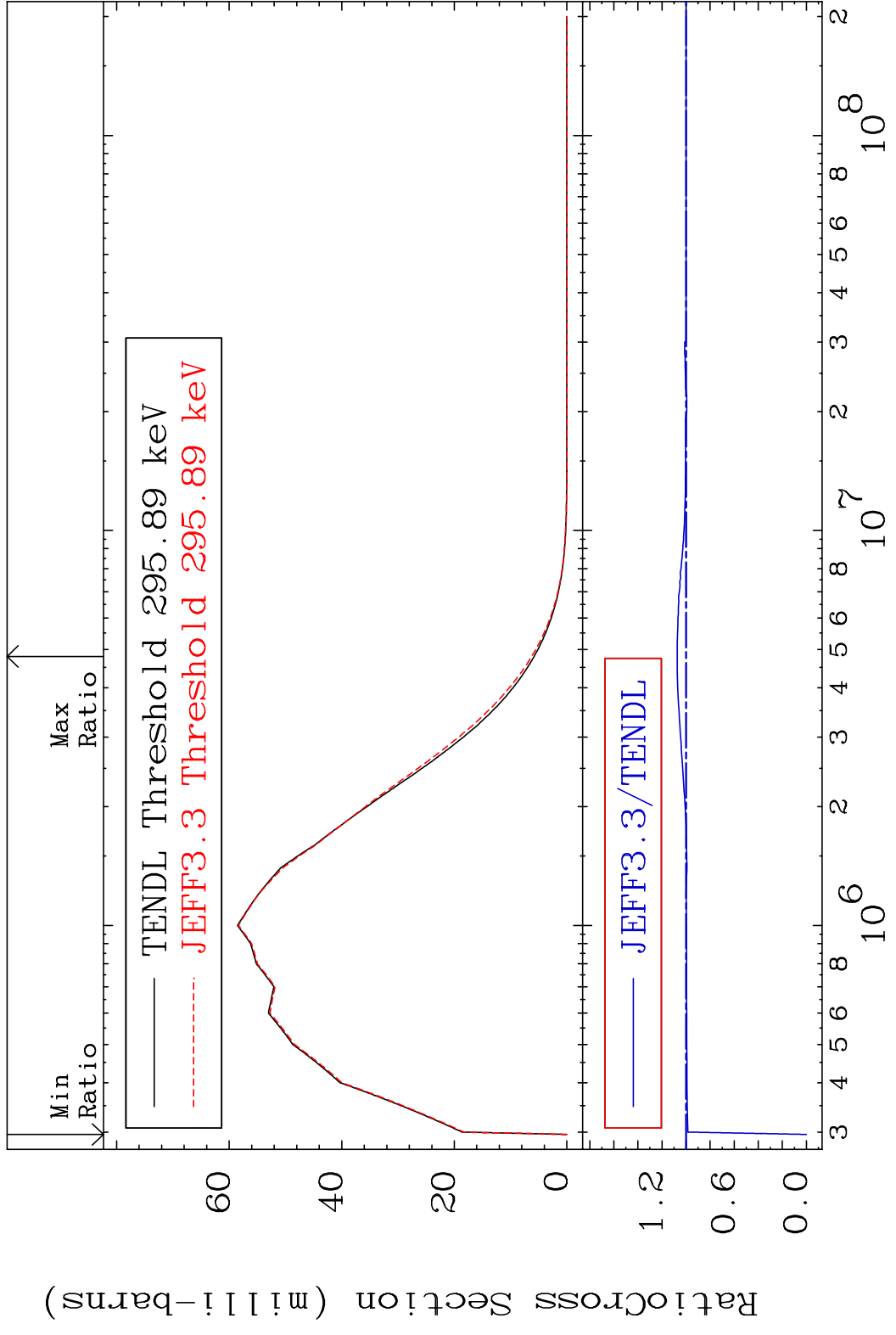
MAT 2128 MT= 53 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 4.880 %



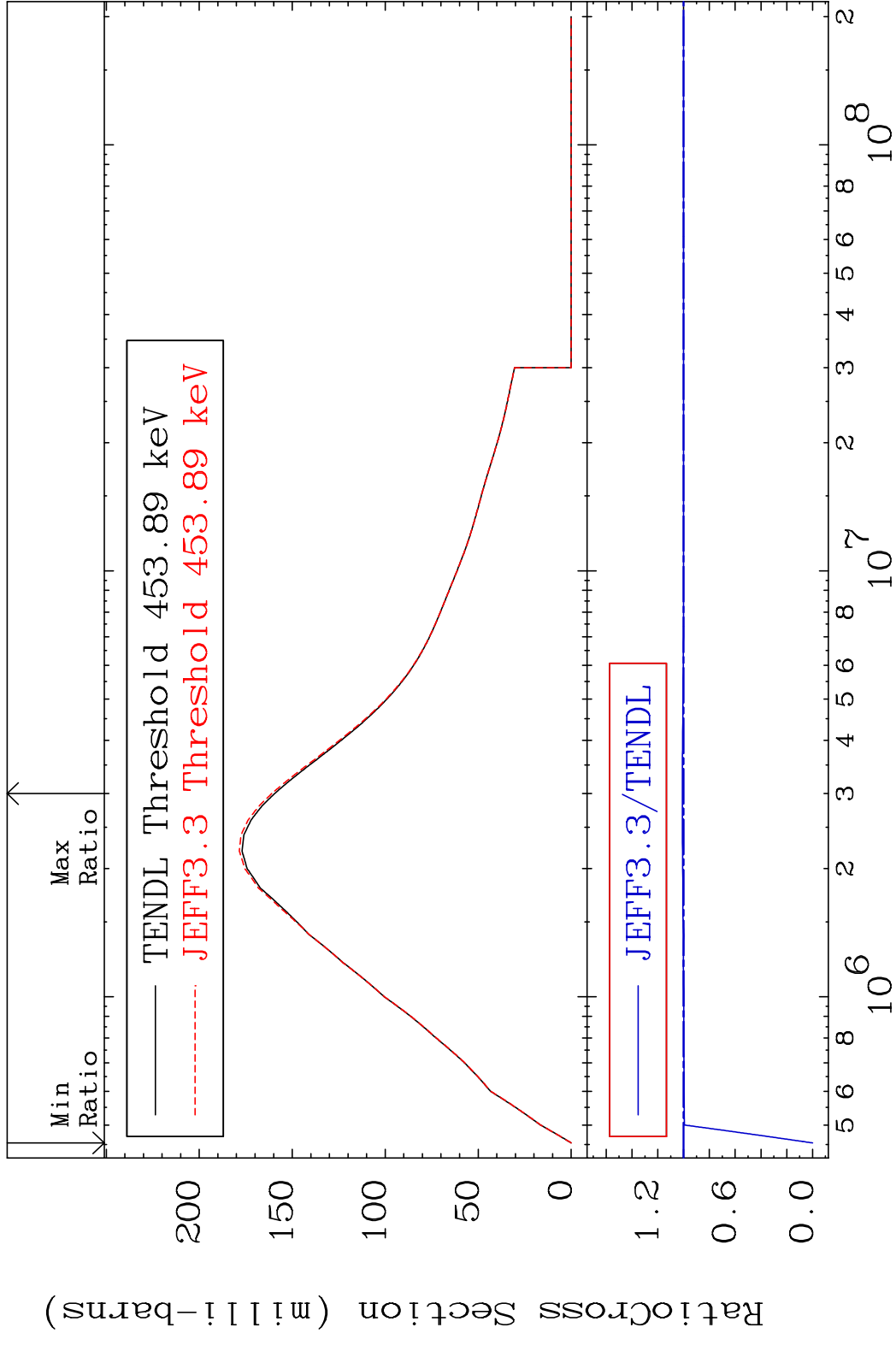
MAT 2128 MT= 54 (n,n') Level 21-Sc-46
 Cross Section -100.0 To 2.666 %



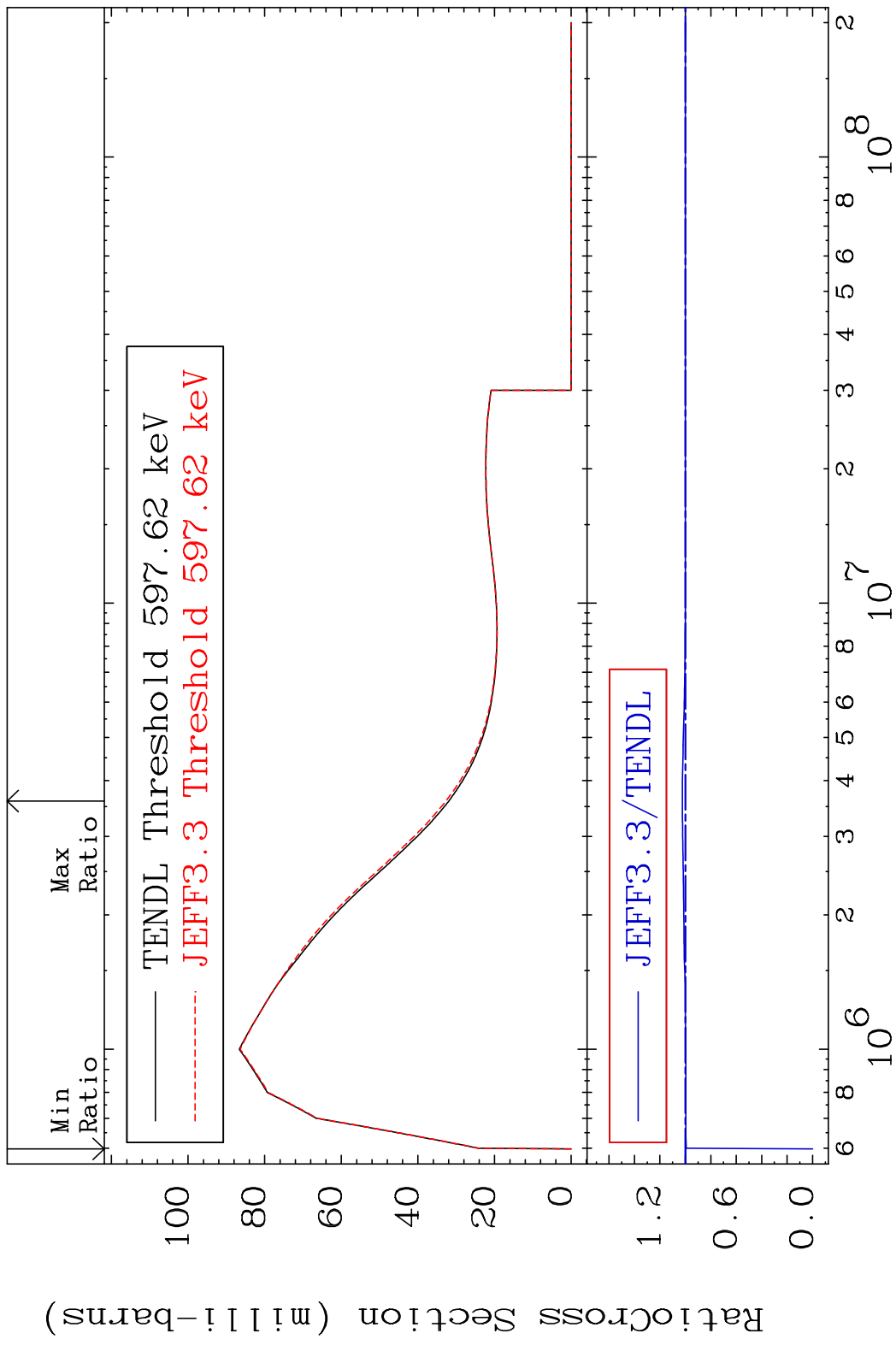
MAT 2128 MT= 55 (n,n') Level 21-Sc-46
 Cross Section -100.0 To 7.360 %



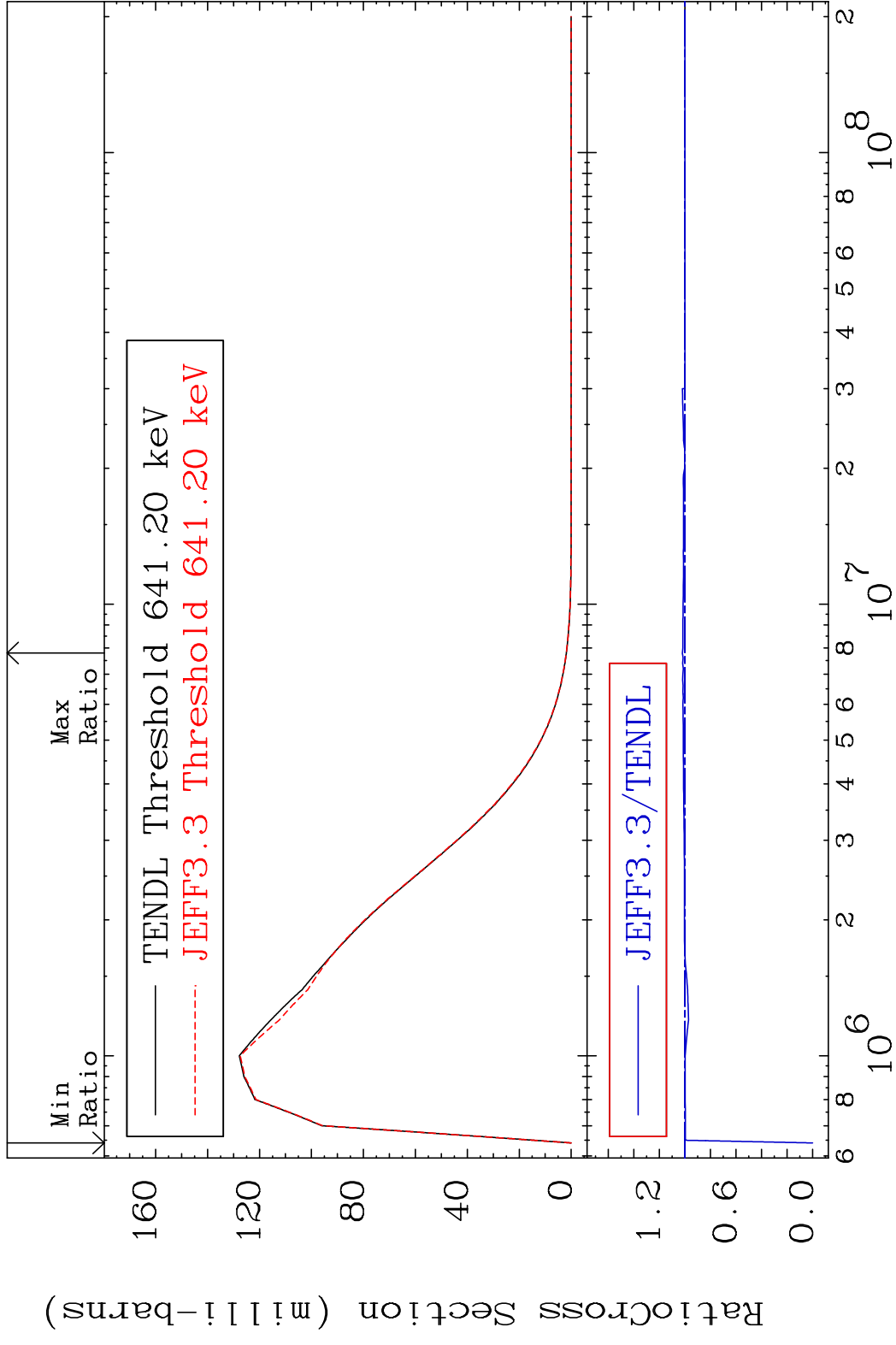
MAT 2128 MT= 56 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 0.956 %



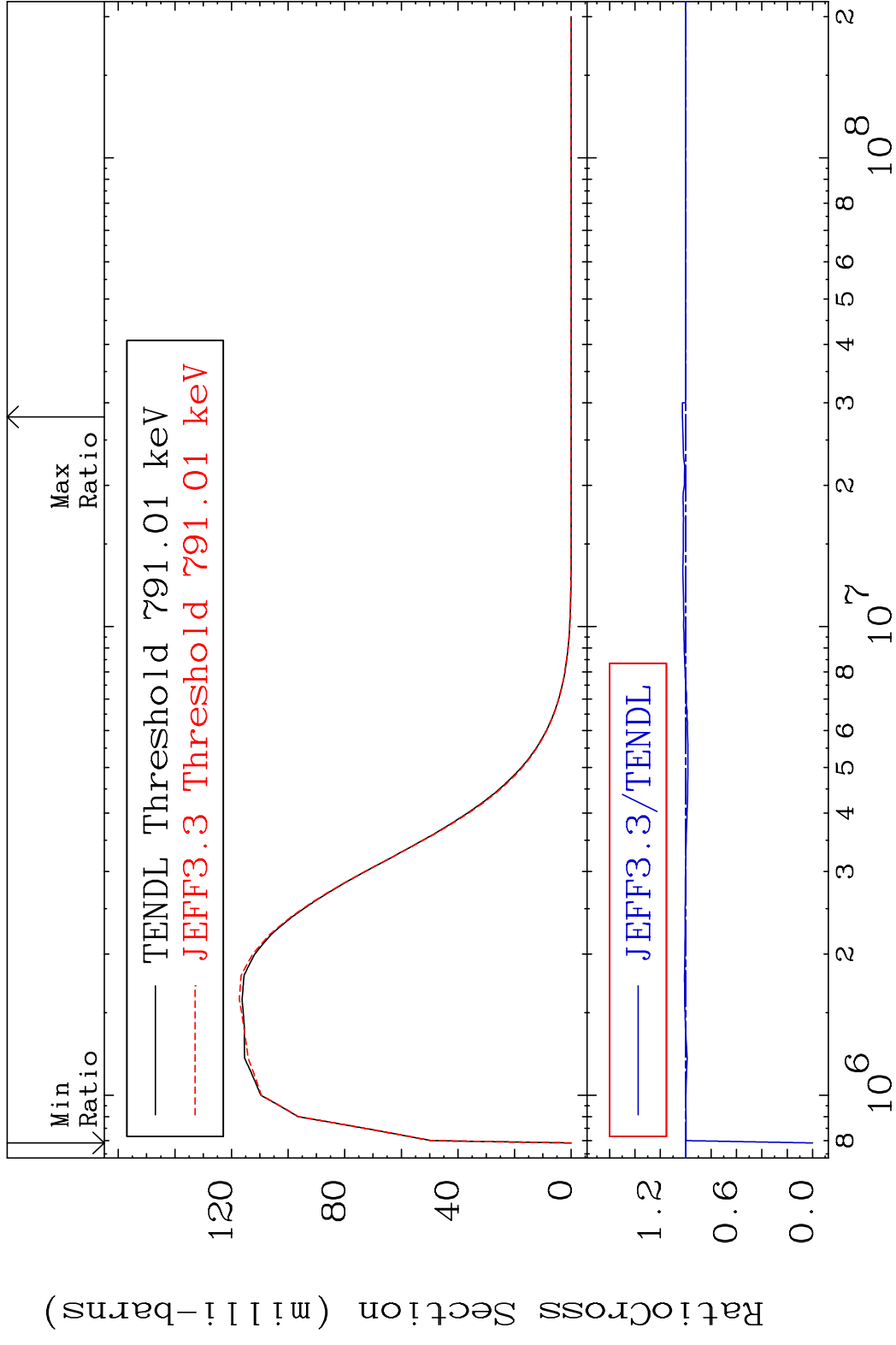
MAT 2128 MT= 57 (n,n') Level 21-Sc-46
 Cross Section -100.0 To 2.365 %



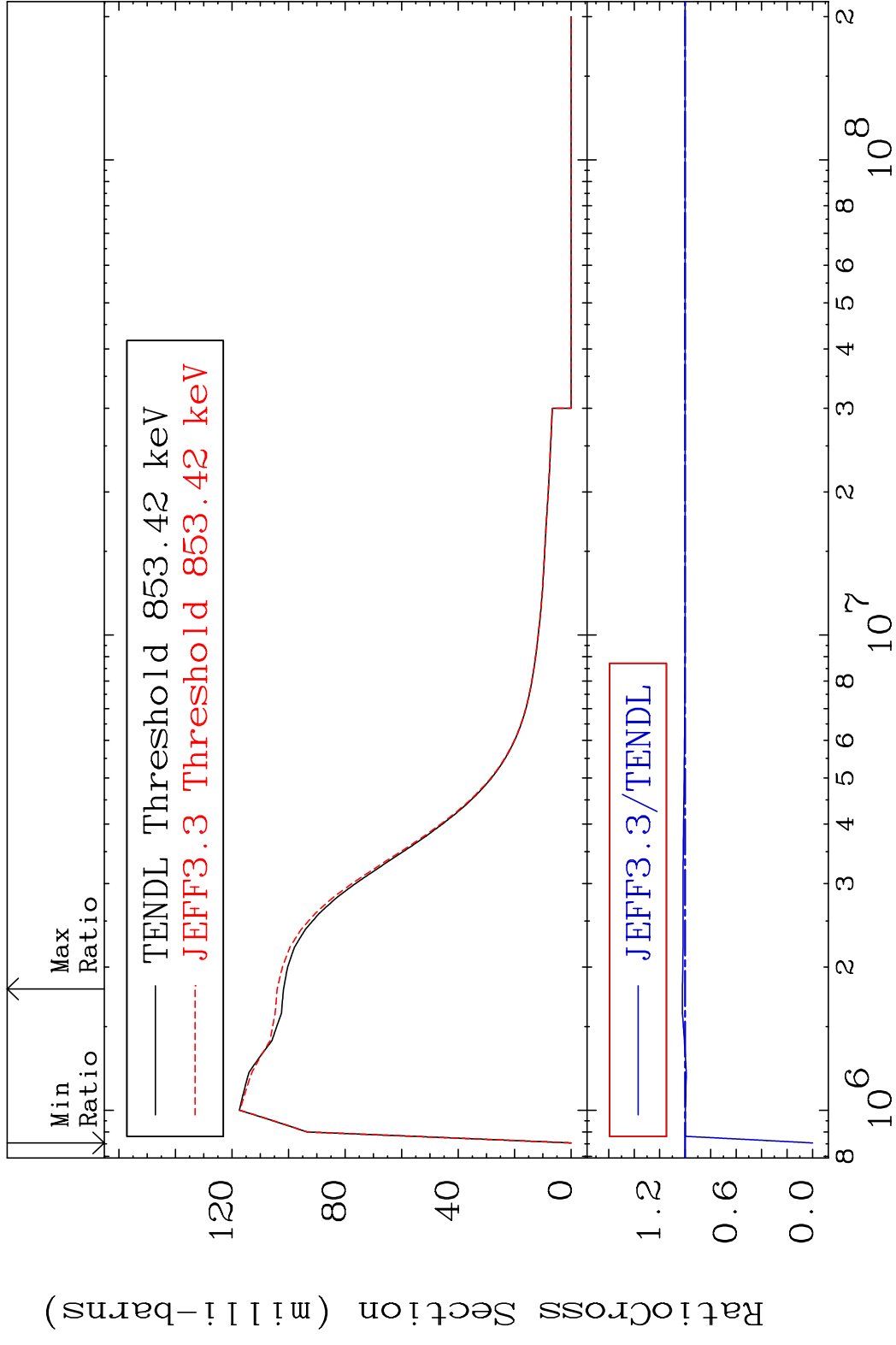
MAT 2128 MT= 58 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 1.950 %



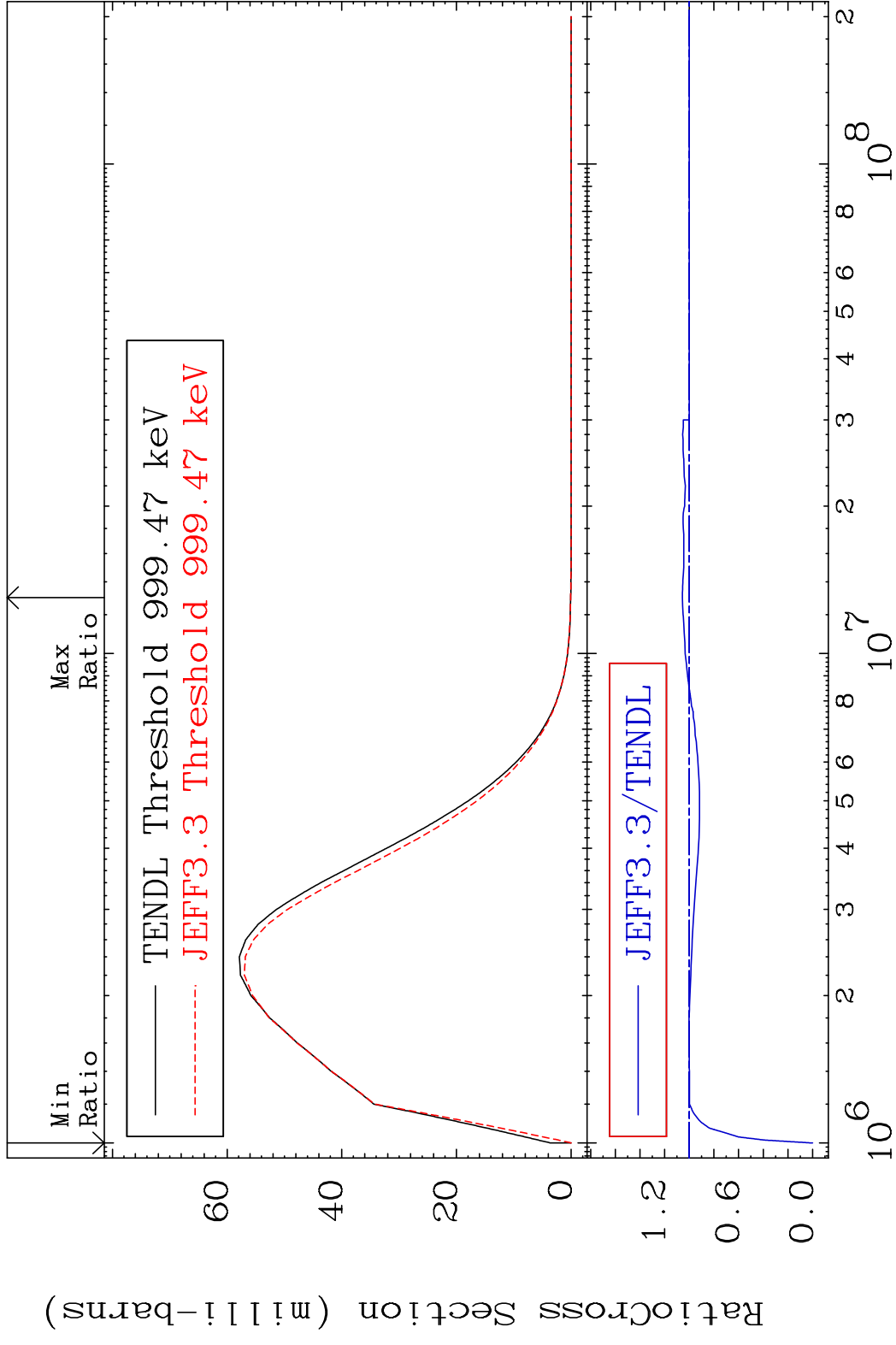
MAT 2128 MT= 59 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 2.624 %



MAT 2128 MT= 60 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 2.208 %

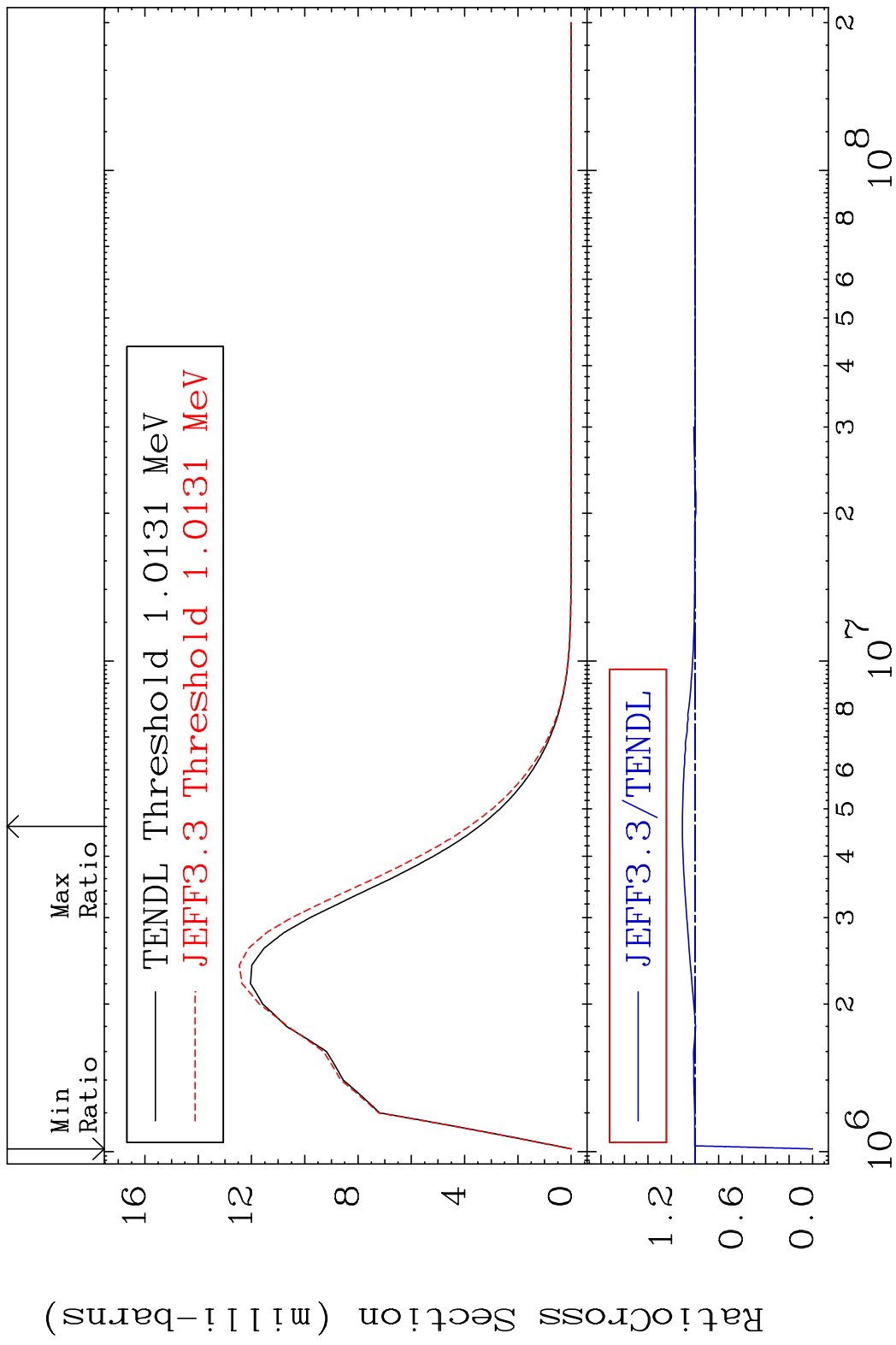


MAT 2128 MT= 61 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 5.606 %



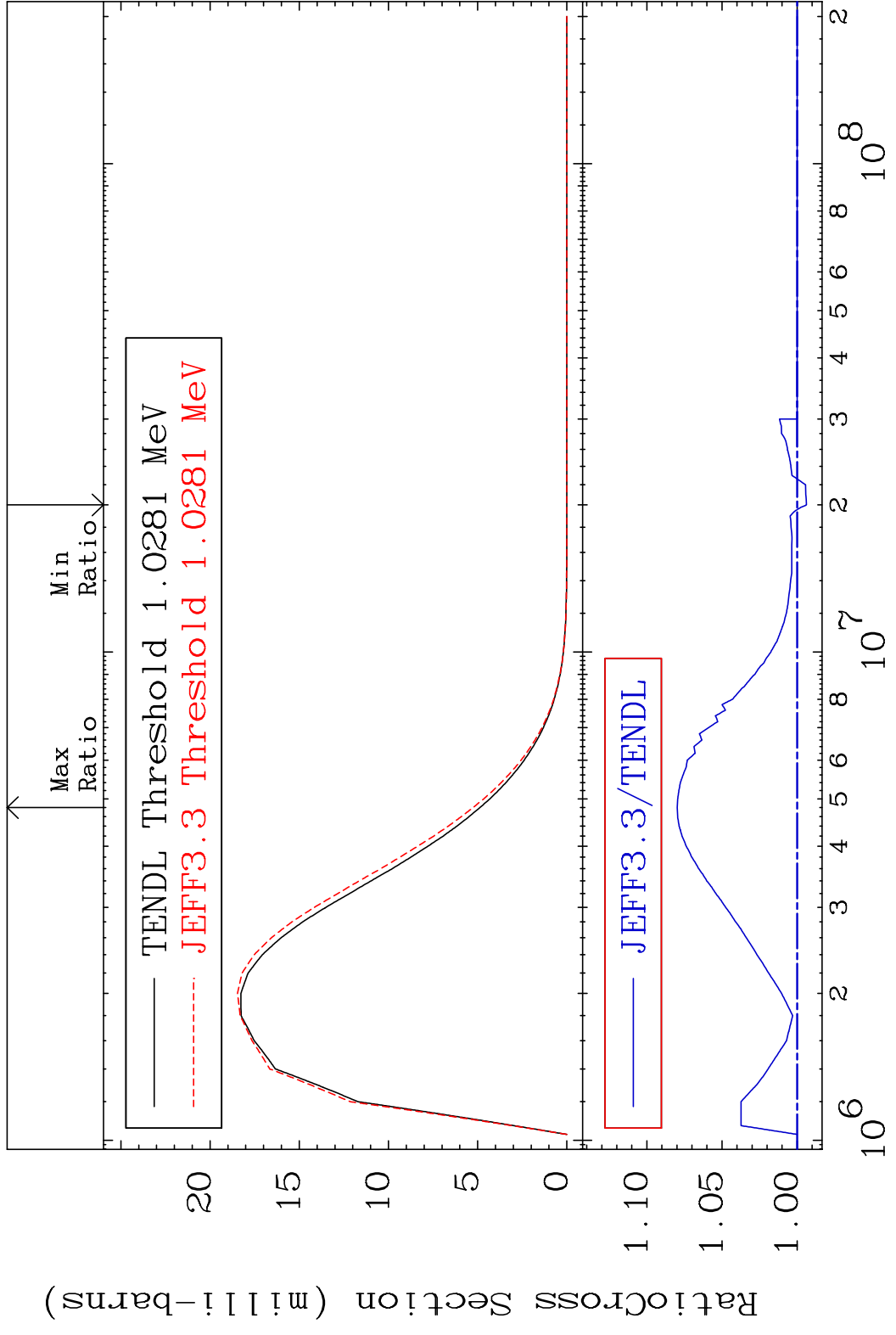
28 Incident Energy (eV) 21-Sc-46

MAT 2128 MT= 62 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 10.80 %



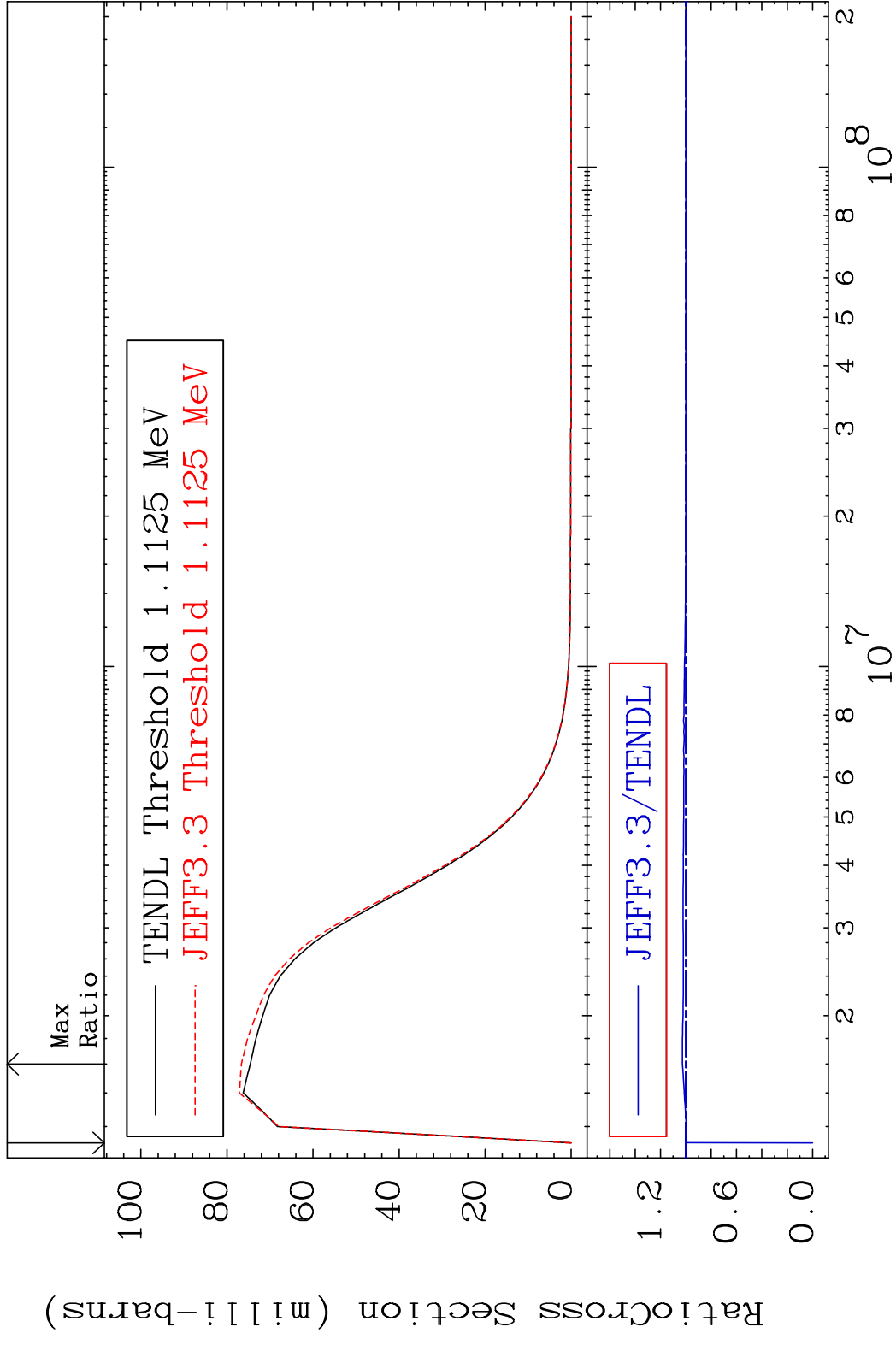
29 Incident Energy (eV) 21-Sc-46

MAT 2128 MT= 63 (n, n') Level 21-Sc-46
 Cross Section -0.617 To 7.982 %

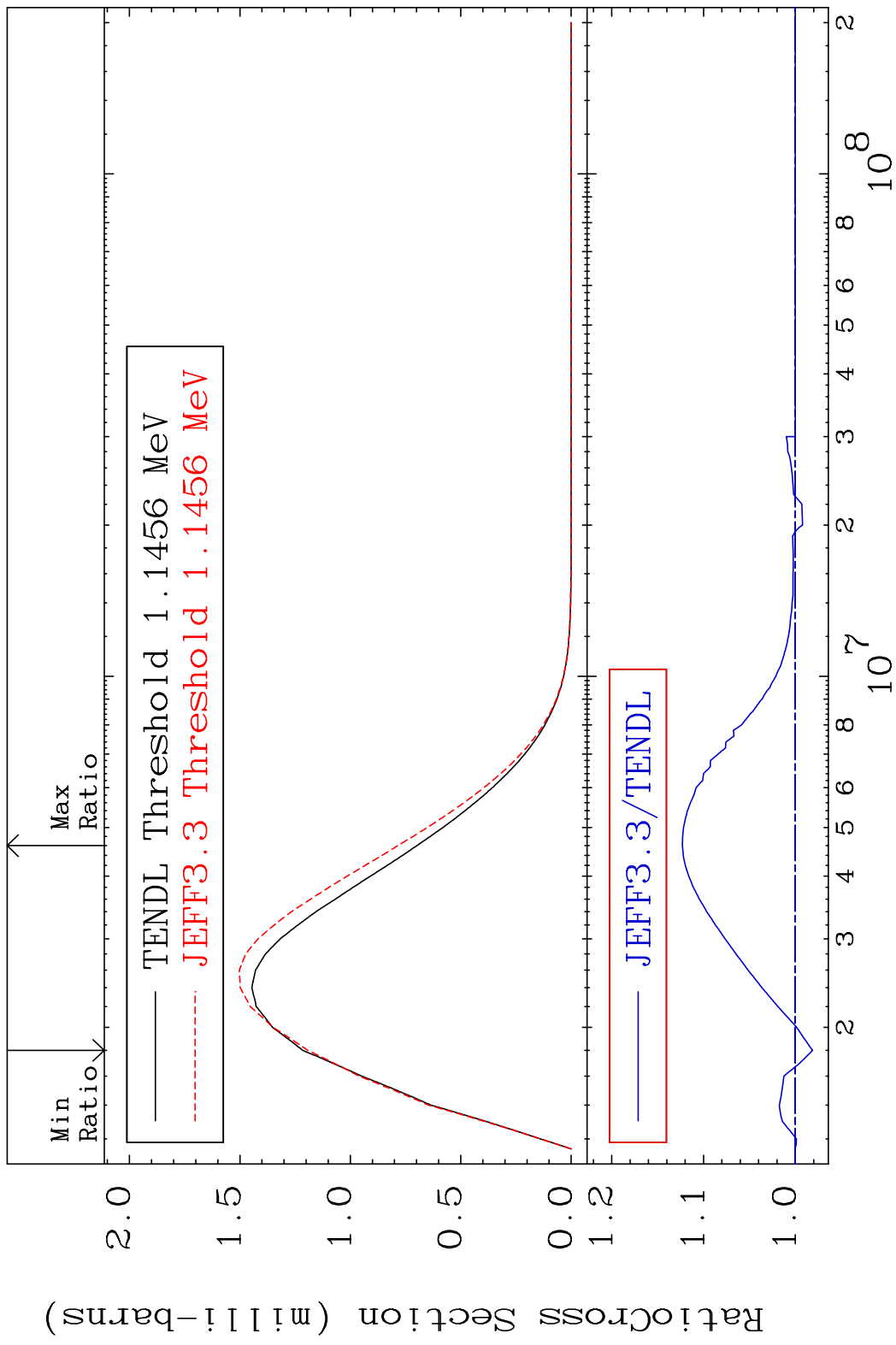


30 Incident Energy (eV) 21-Sc-46

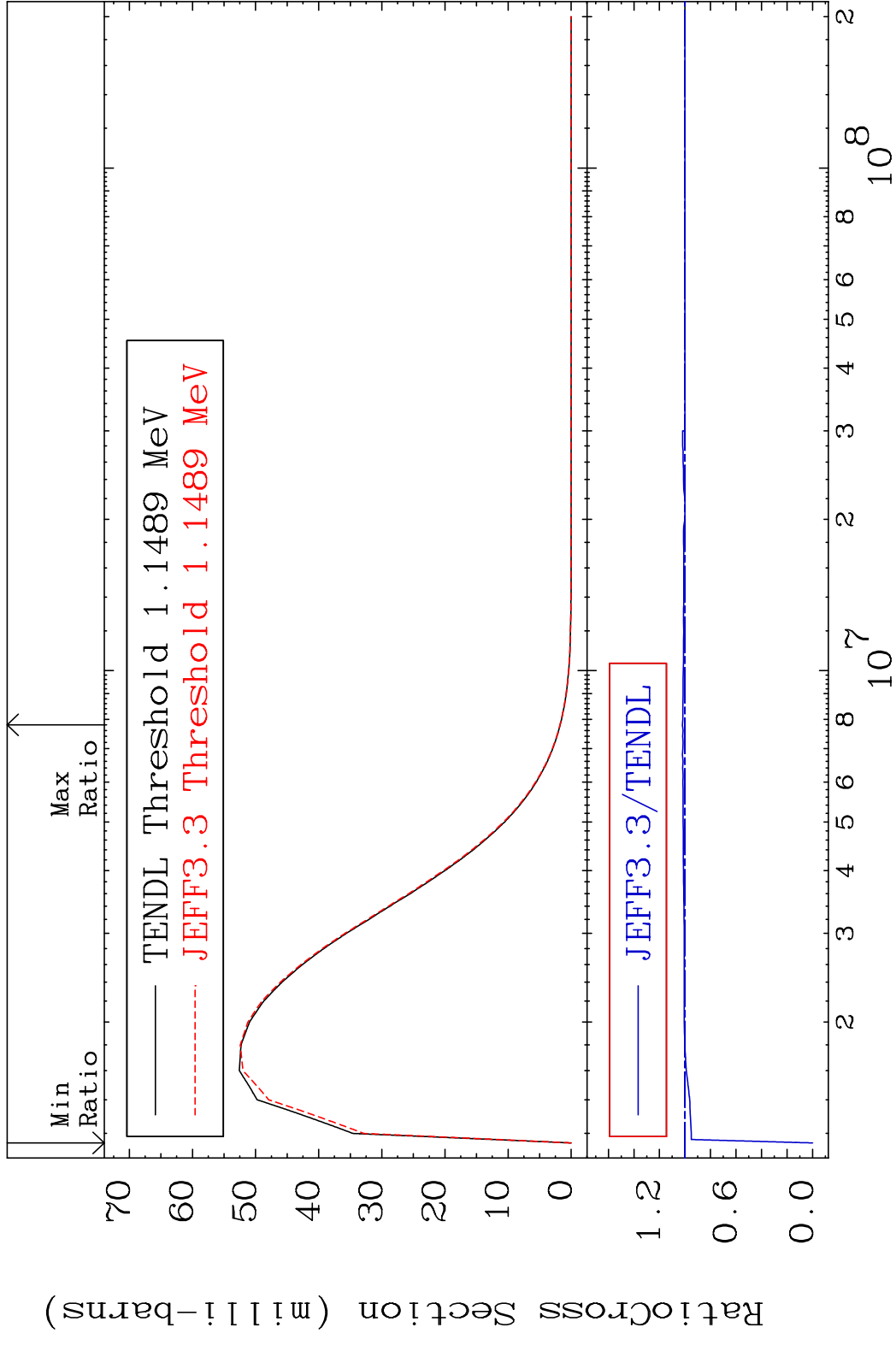
MAT 2128 MT= 64 (n,n') Level 21-Sc-46
 Cross Section -100.0 To 2.738 %



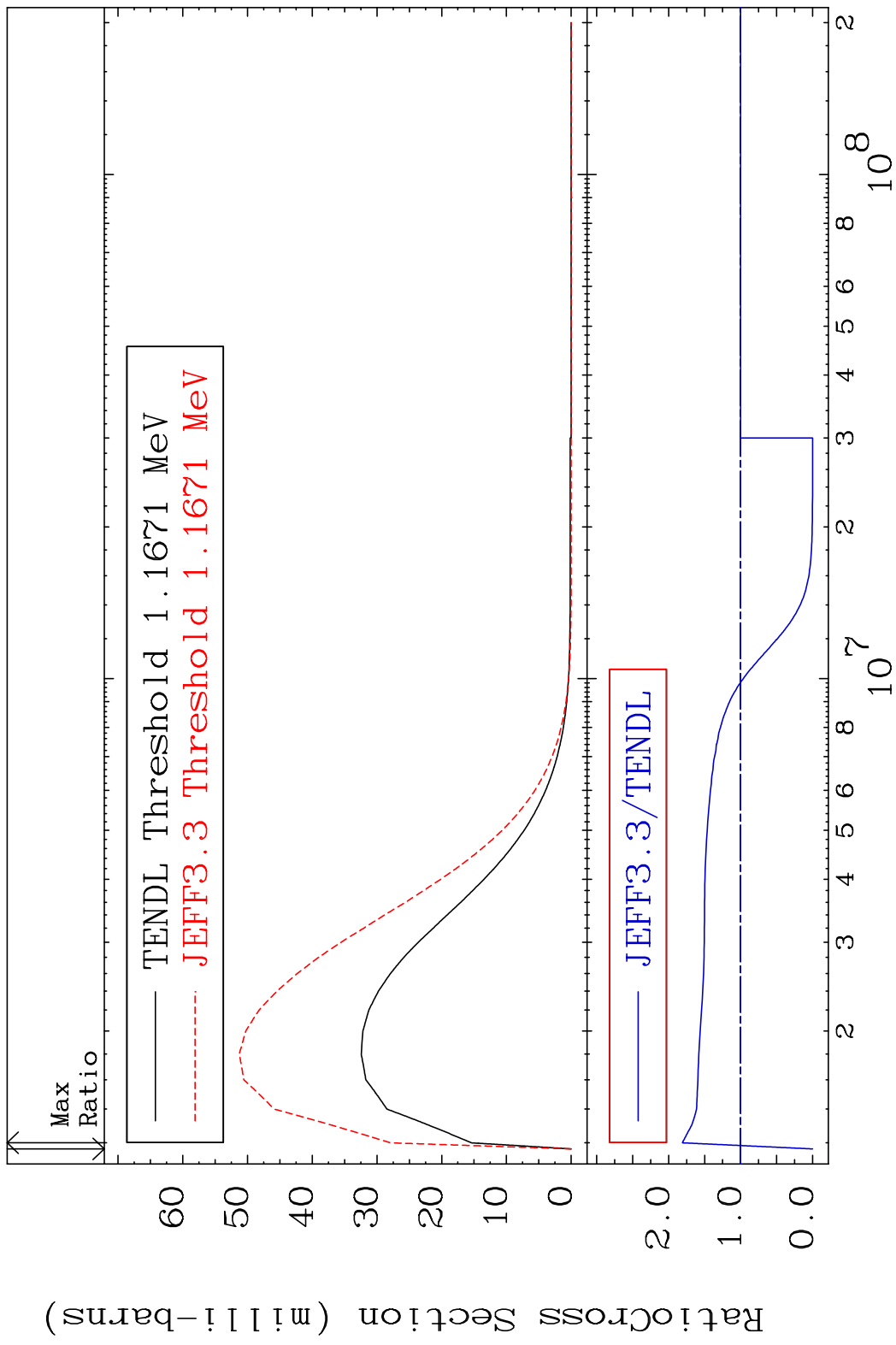
MAT 2128 MT= 65 (n,n') Level 21-Sc-46
 Cross Section -1.881 To 12.30 %



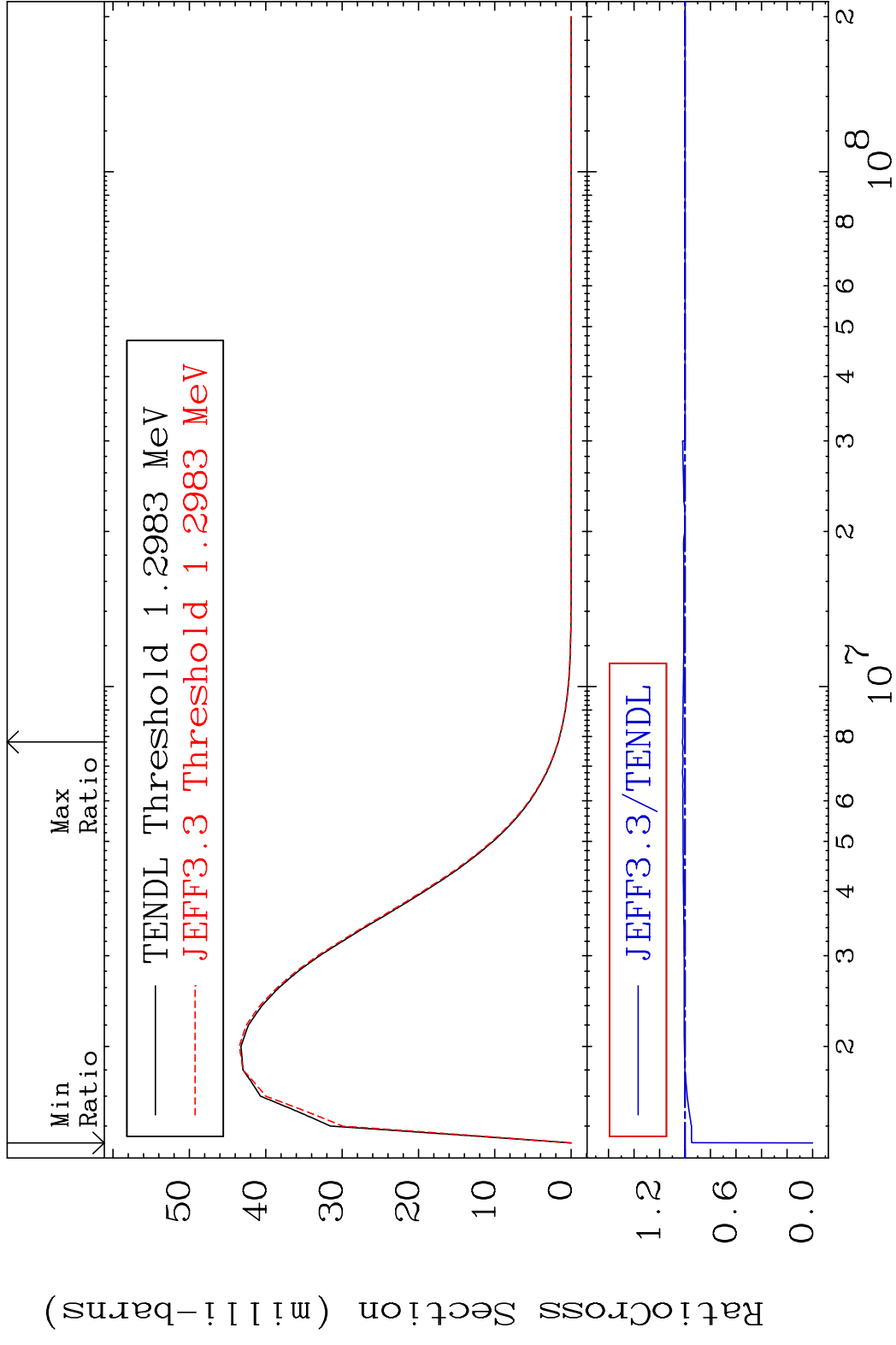
MAT 2128 MT= 66 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 2.057 %



MAT 2128 MT= 67 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 80.96 %



MAT 2128 MT= 68 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 2.091 %

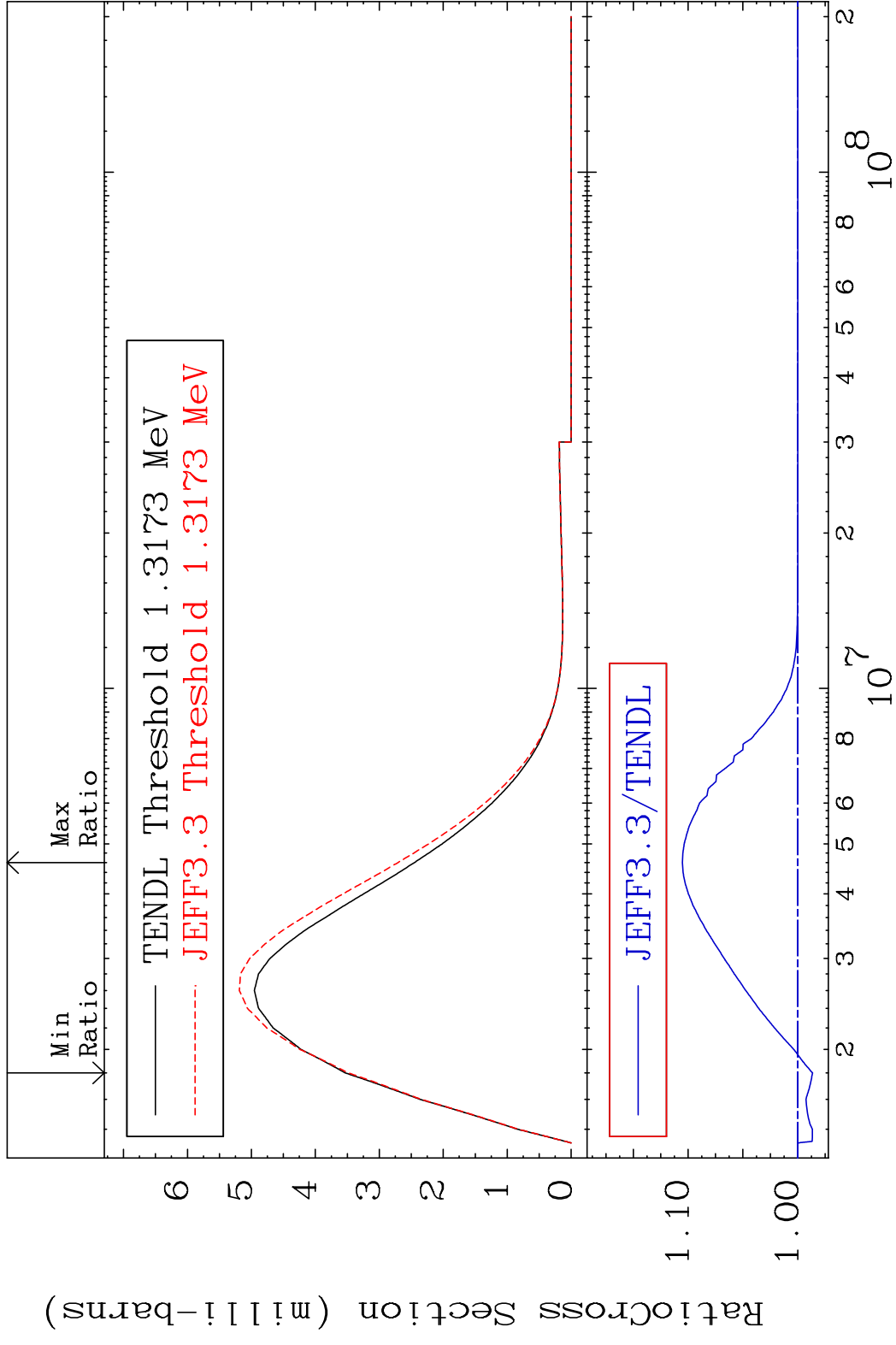


MAT 2128

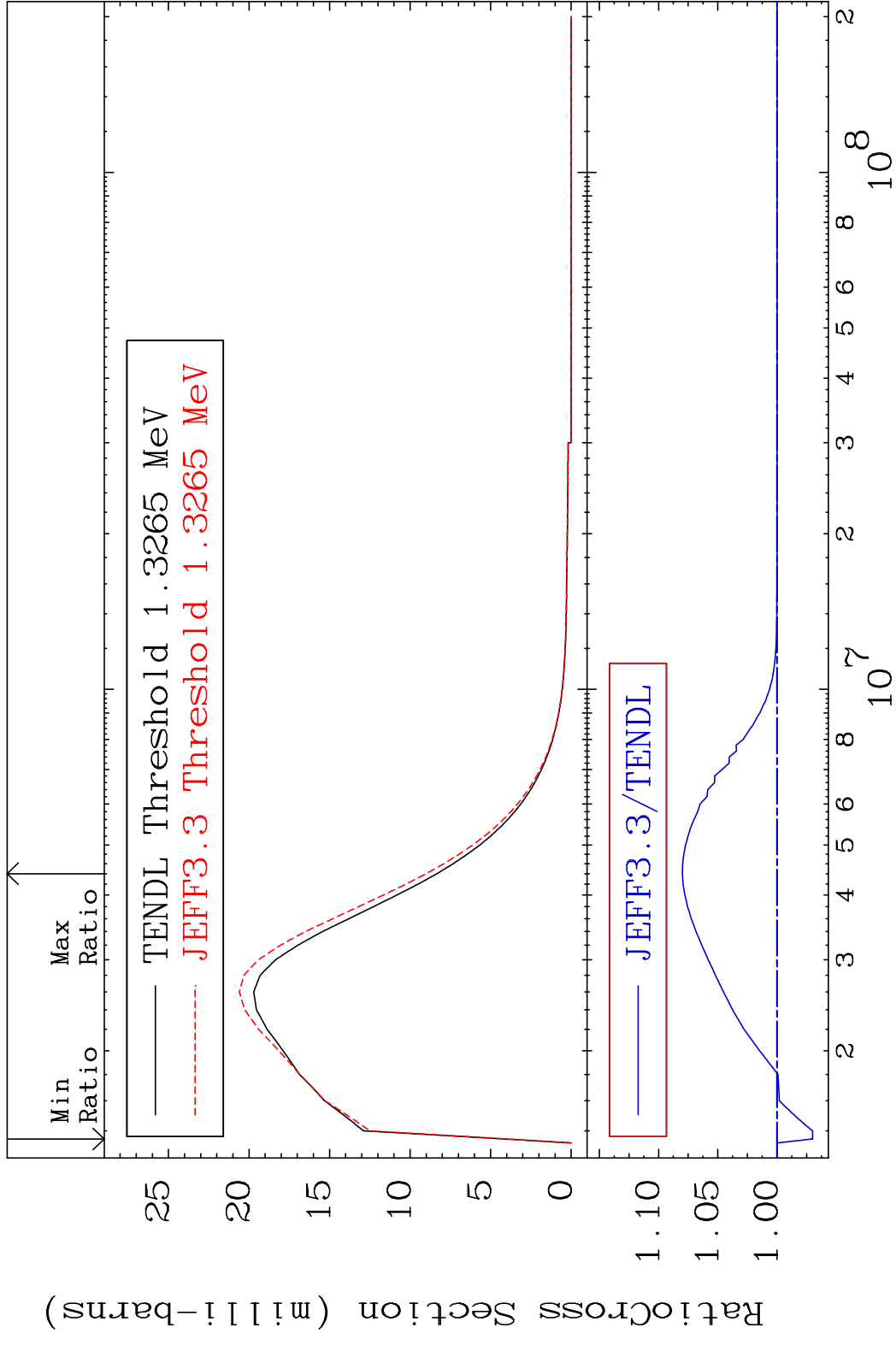
MT= 69 (n,n') Level

21-Sc-46

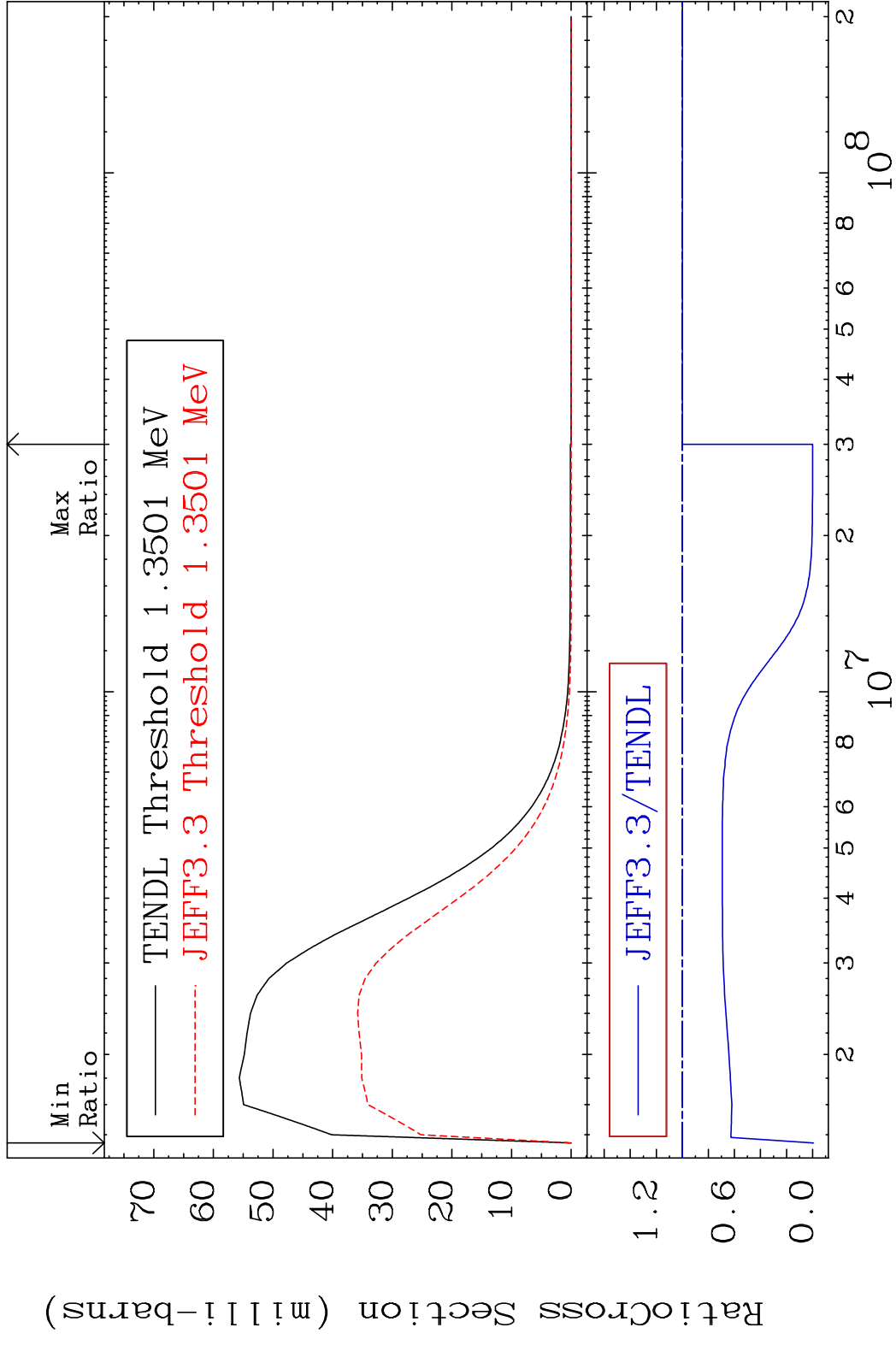
Cross Section -1.355 To 10.53 %



MAT 2128 MT= 70 (n,n') Level 21-Sc-46
 Cross Section -3.002 To 7.992 %



MAT 2128 MT= 71 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 0.000 %

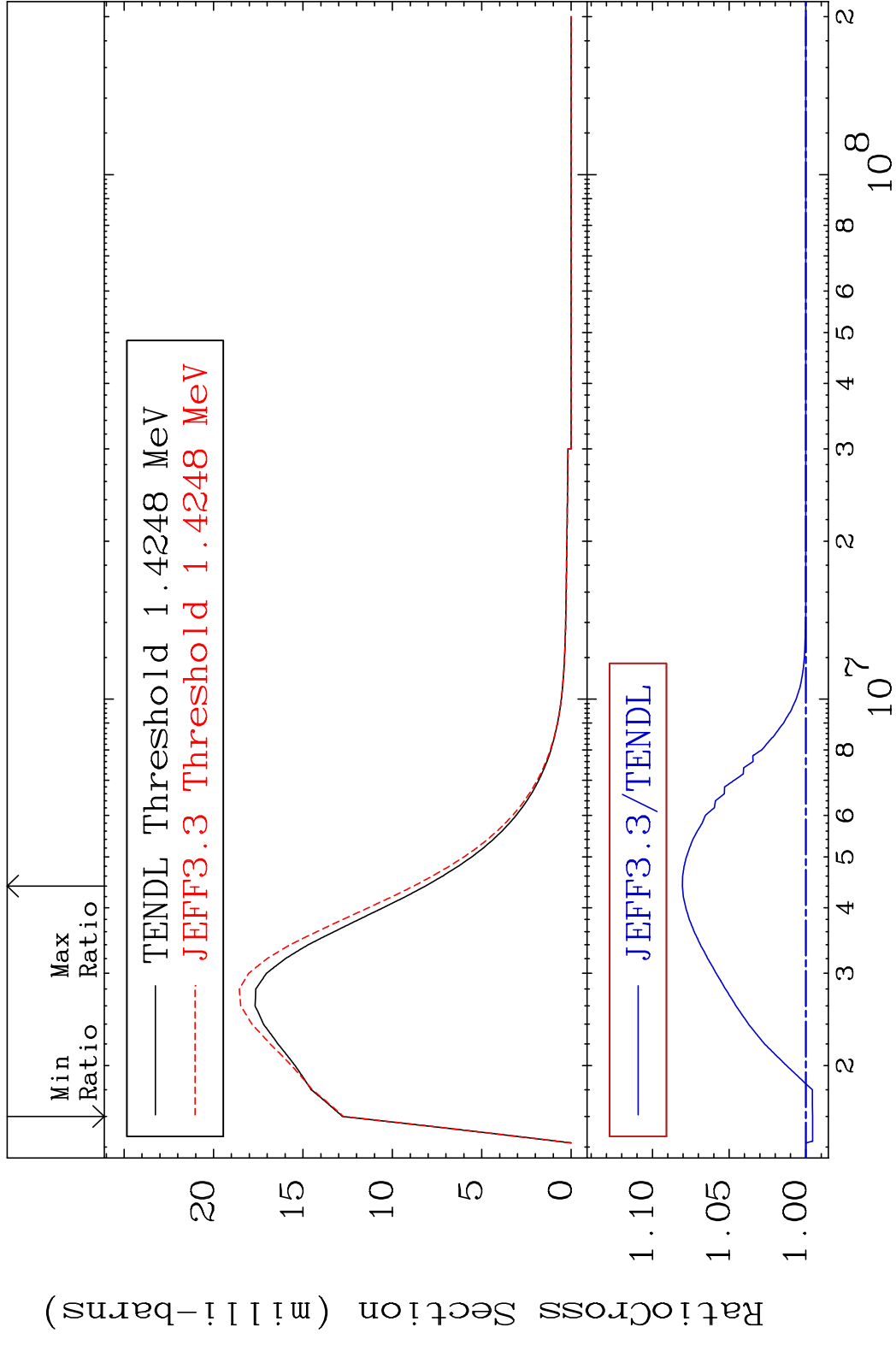


MAT 2128

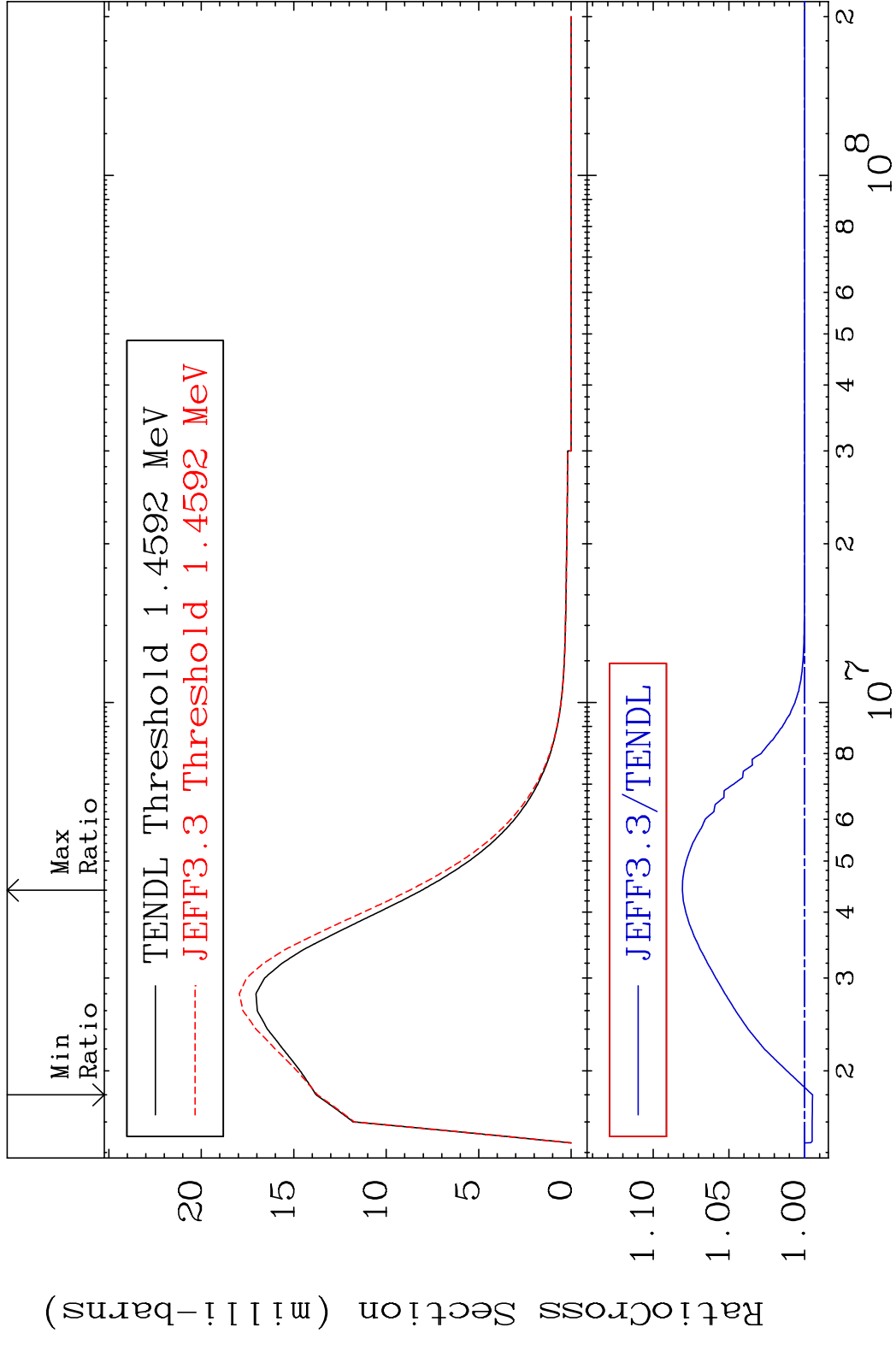
MT= 72 (n,n') Level

21-Sc-46

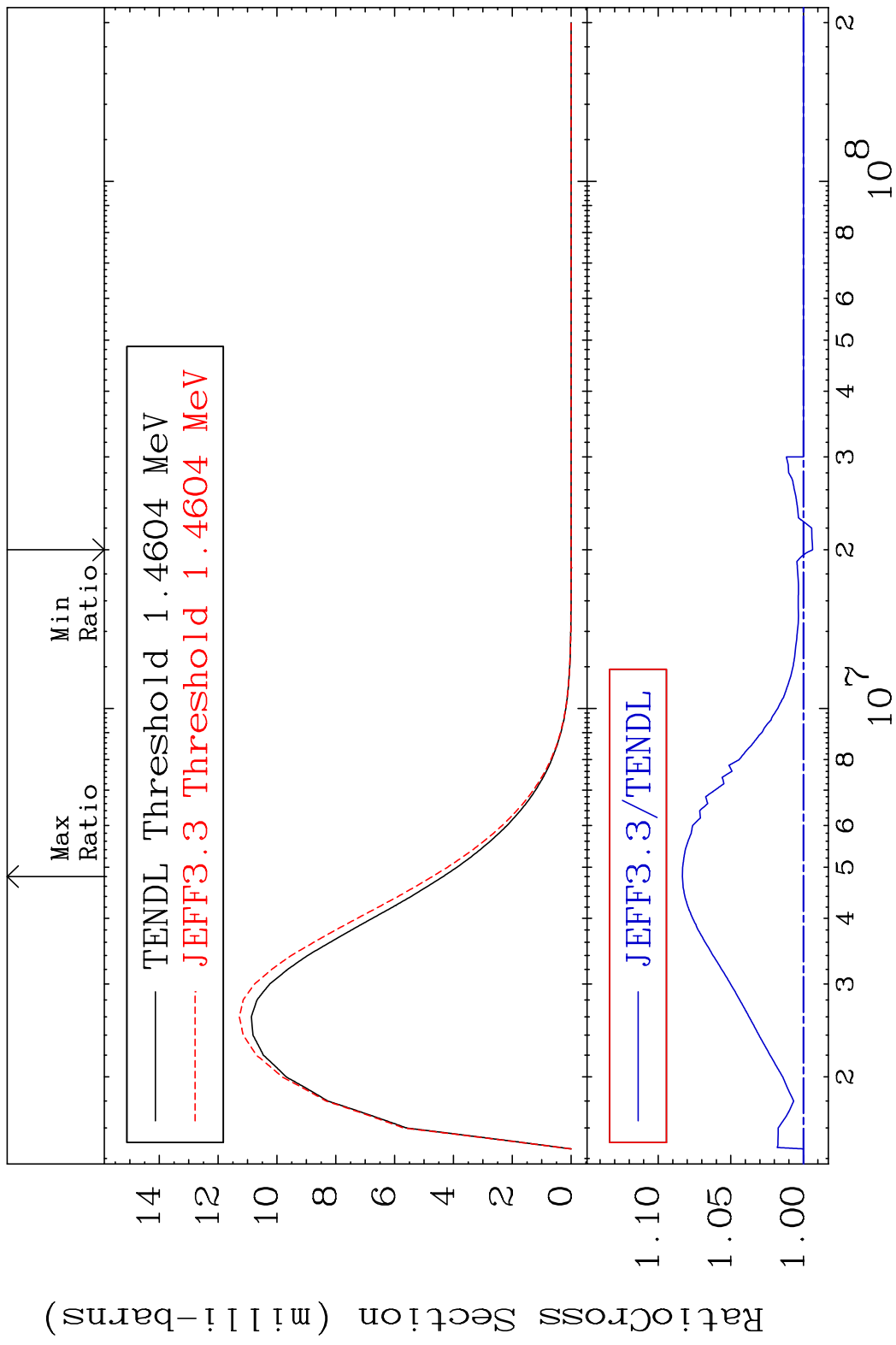
Cross Section -0.438 To 8.050 %



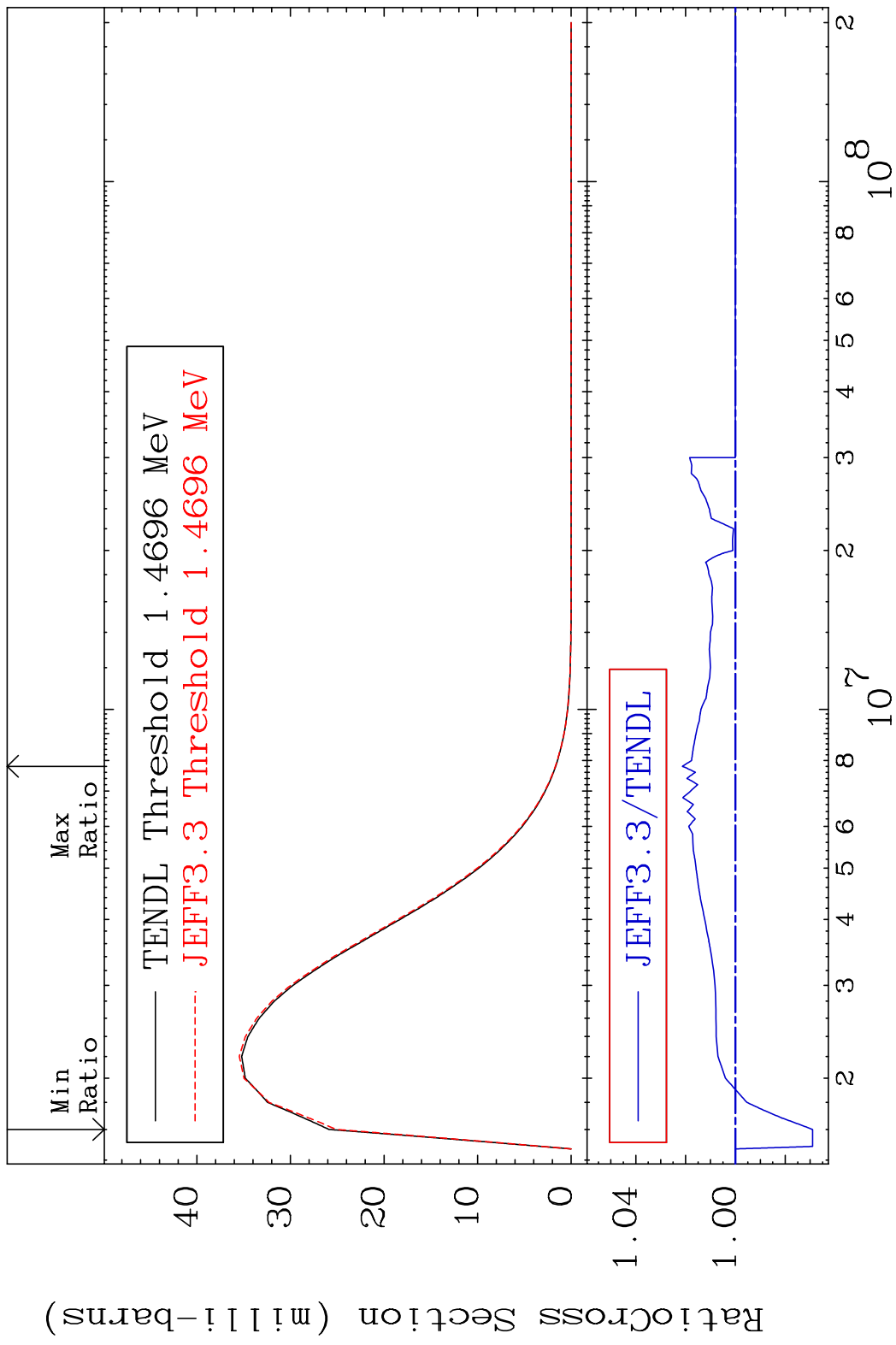
MAT 2128 MT= 73 (n, n') Level 21-Sc-46
 Cross Section -0.530 To 8.070 %



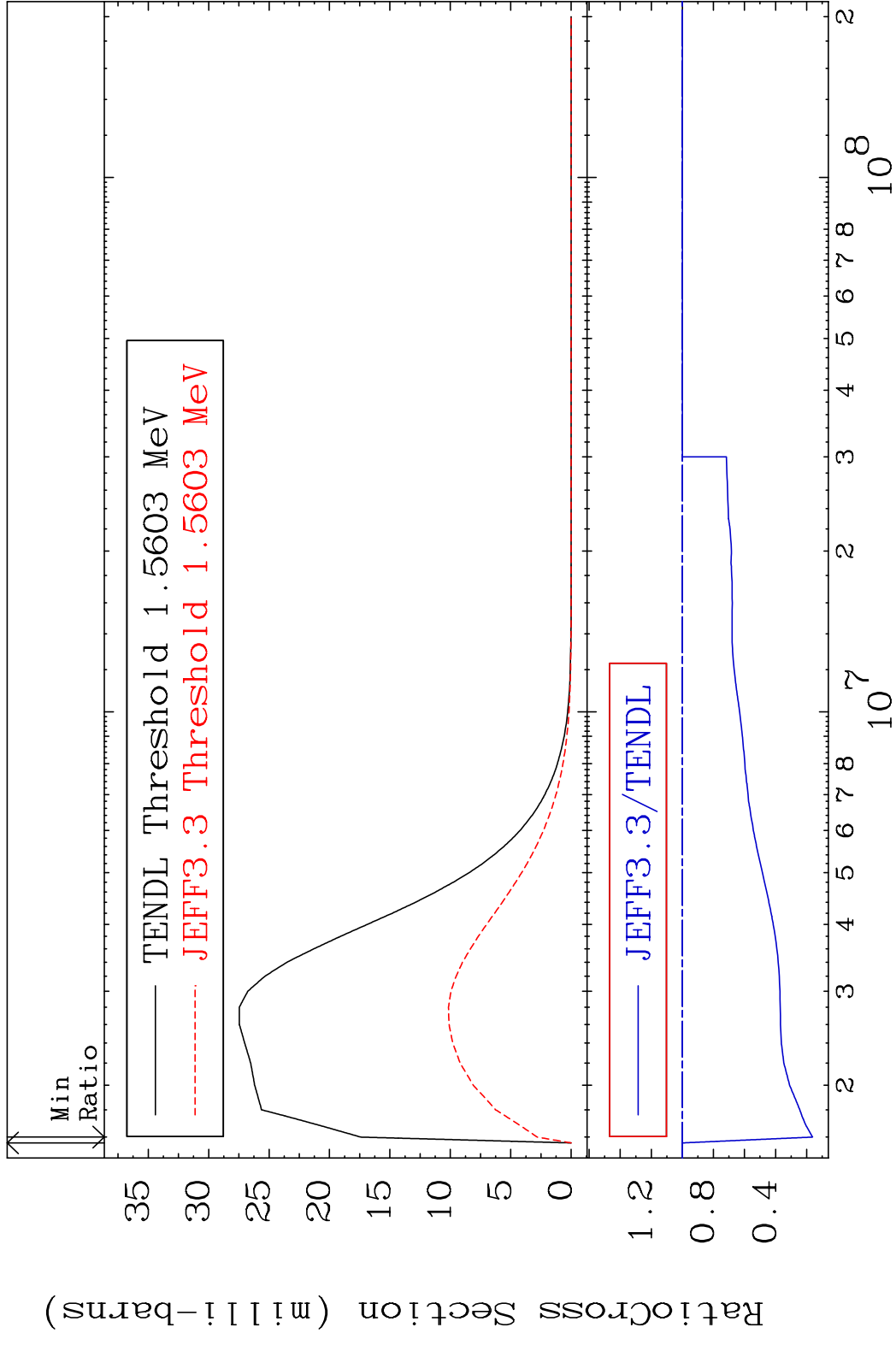
MAT 2128 MT= 74 (n,n') Level 21-Sc-46
 Cross Section -0.629 To 8.337 %



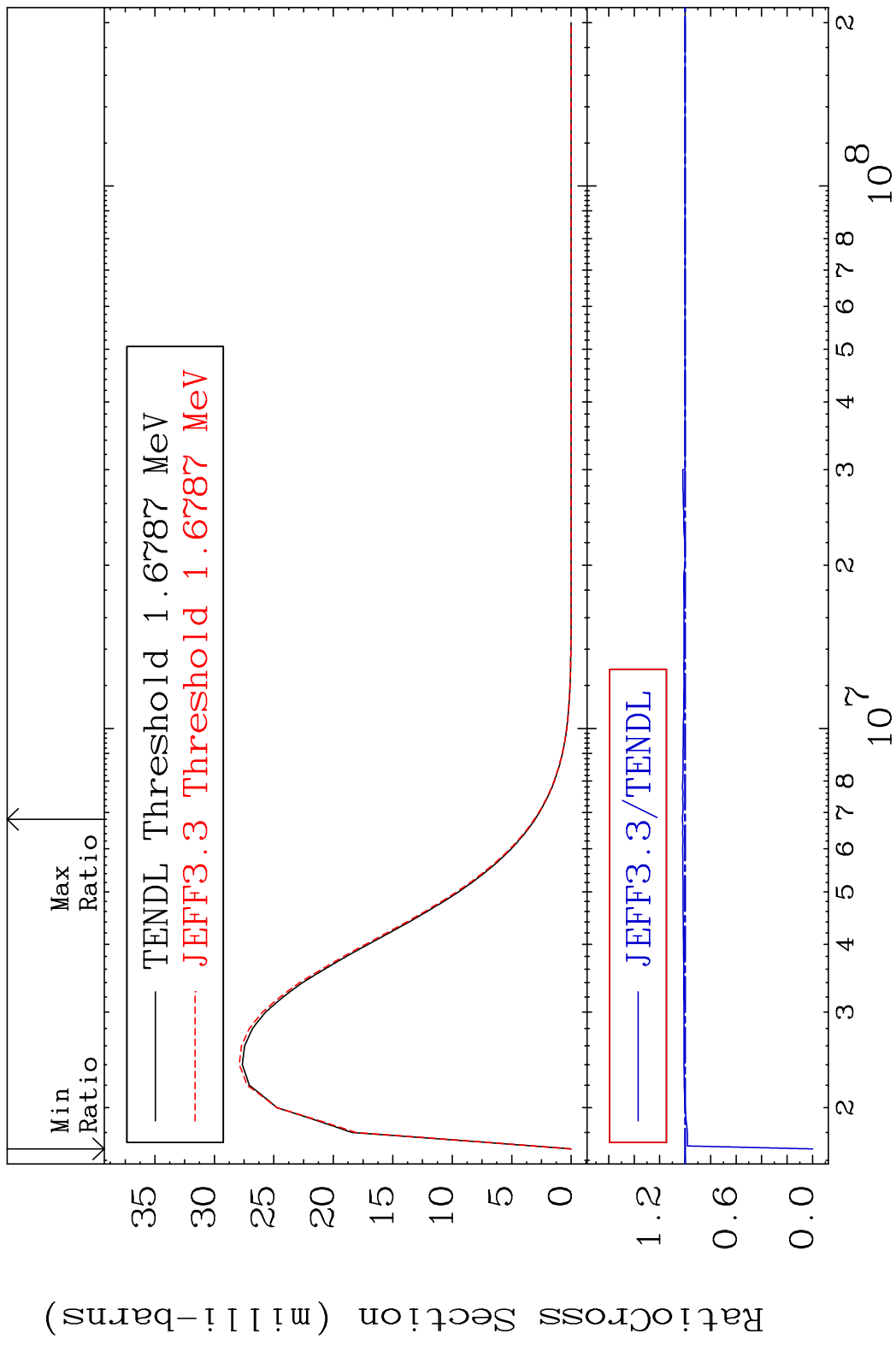
MAT 2128 MT= 75 (n, n') Level 21-Sc-46
 Cross Section -3.098 To 2.130 %



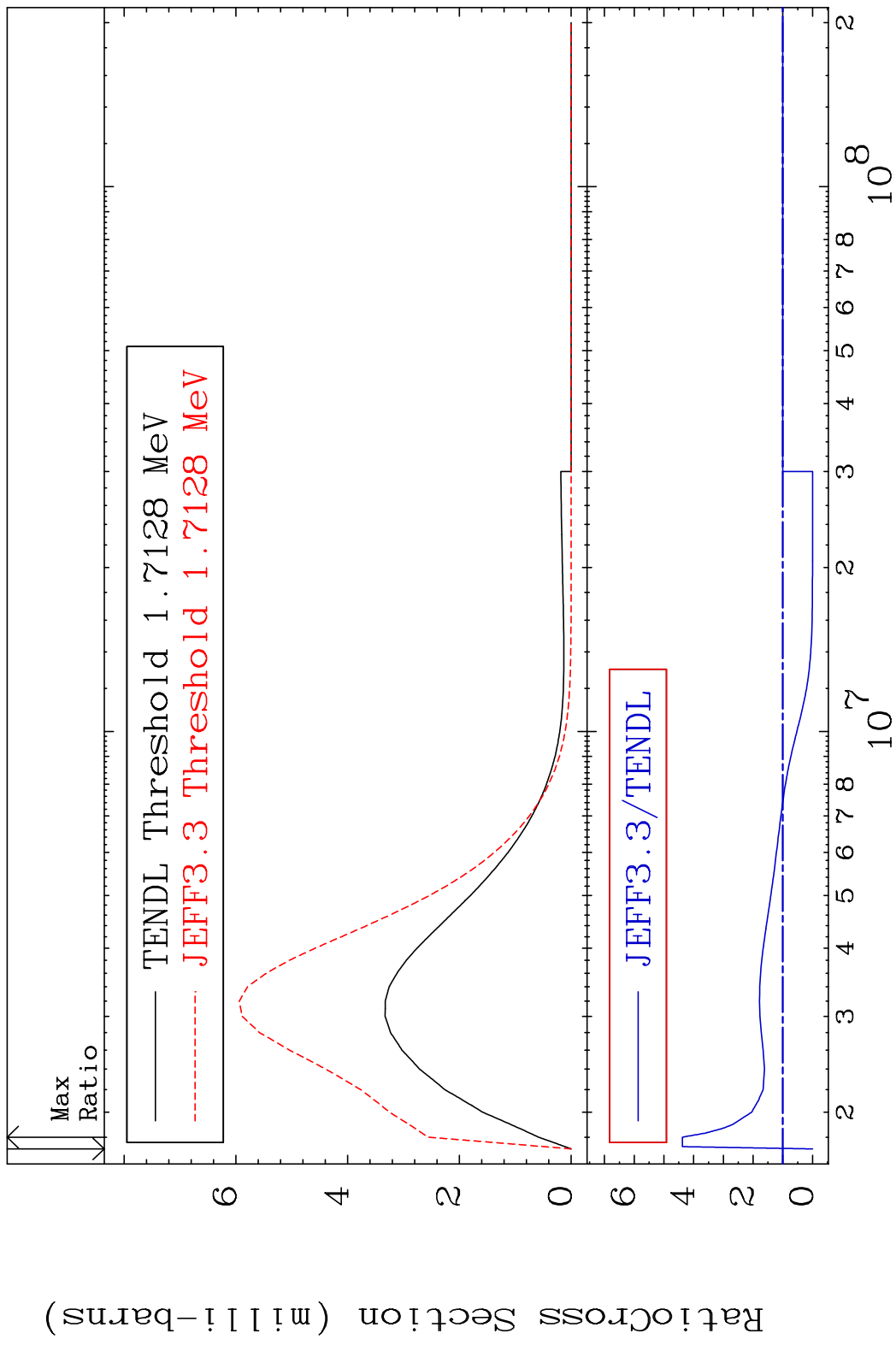
MAT 2128 MT= 76 (n,n') Level 21-Sc-46
 Cross Section -83.82 To 0.000 %



MAT 2128 MT= 77 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 2.199 %

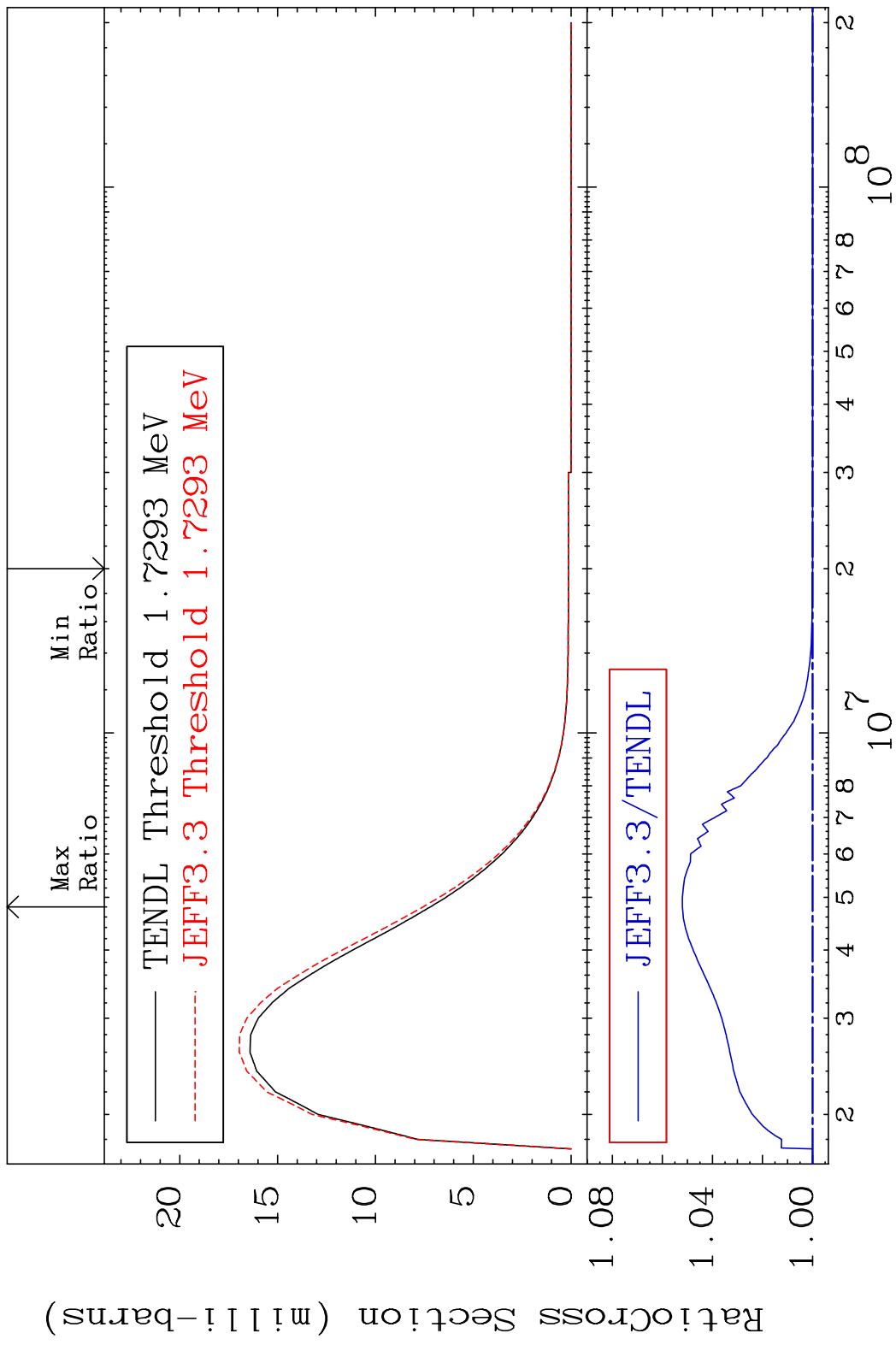


MAT 2128 MT= 78 (n, n') Level 21-Sc-46
 Cross Section -100.0 To 338.0 %



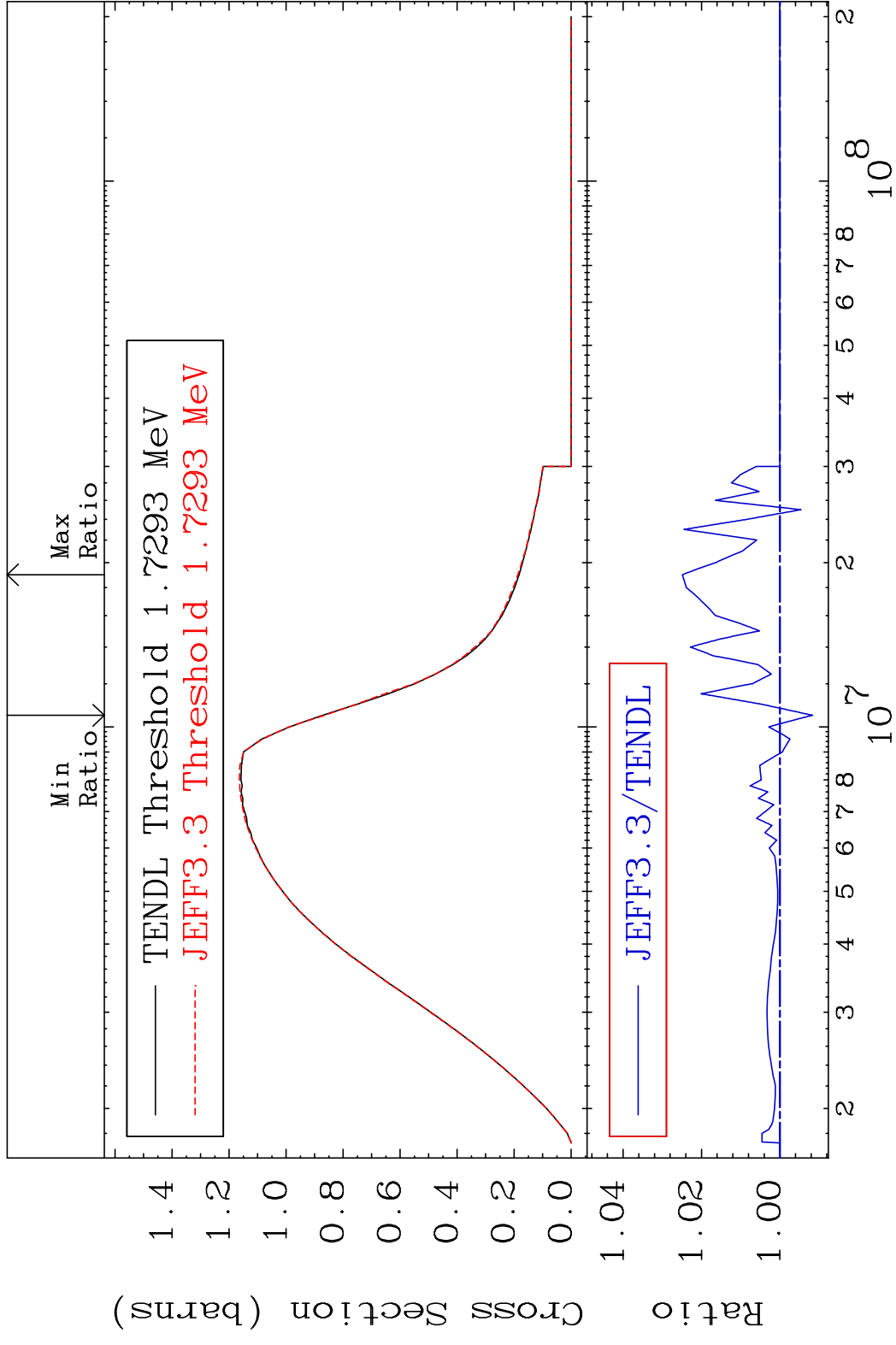
45 Incident Energy (eV) 21-Sc-46

MAT 2128 MT= 79 (n,n') Level 21-Sc-46
 Cross Section 0.000 To 5.202 %



46 Incident Energy (eV) 21-Sc-46

MAT 2128 (n, n') Continuum 21-Sc-46
 Cross Section -0.835 To 2.488 %

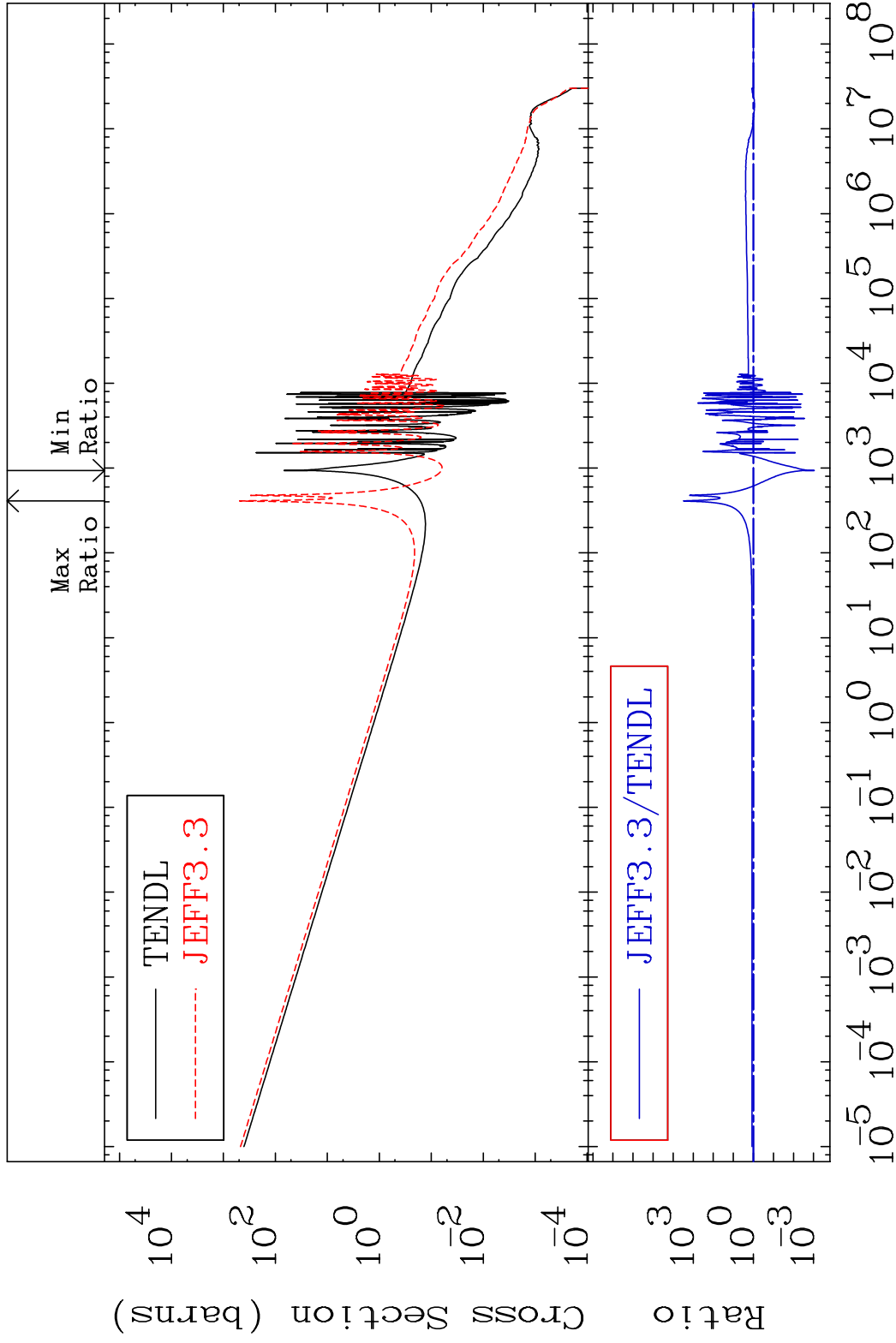


MAT 2128

(n, γ)

21-Sc-46

Cross Section -99.91 To 9999. %



48

Incident Energy (eV)

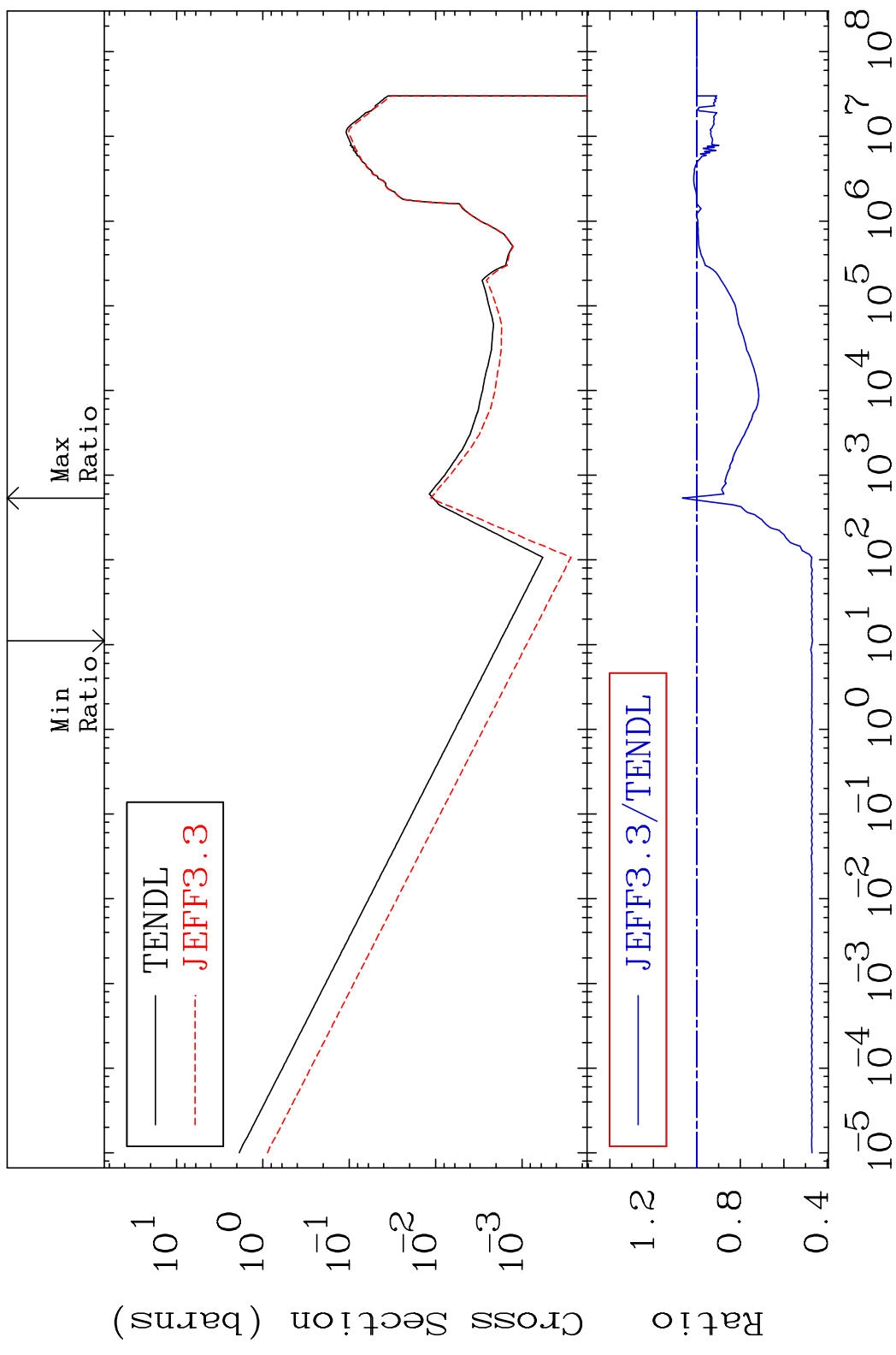
21-Sc-46

MAT 2128

(n, p)

21-Sc-46

Cross Section -53.22 To 6.677 %



49

Incident Energy (eV)

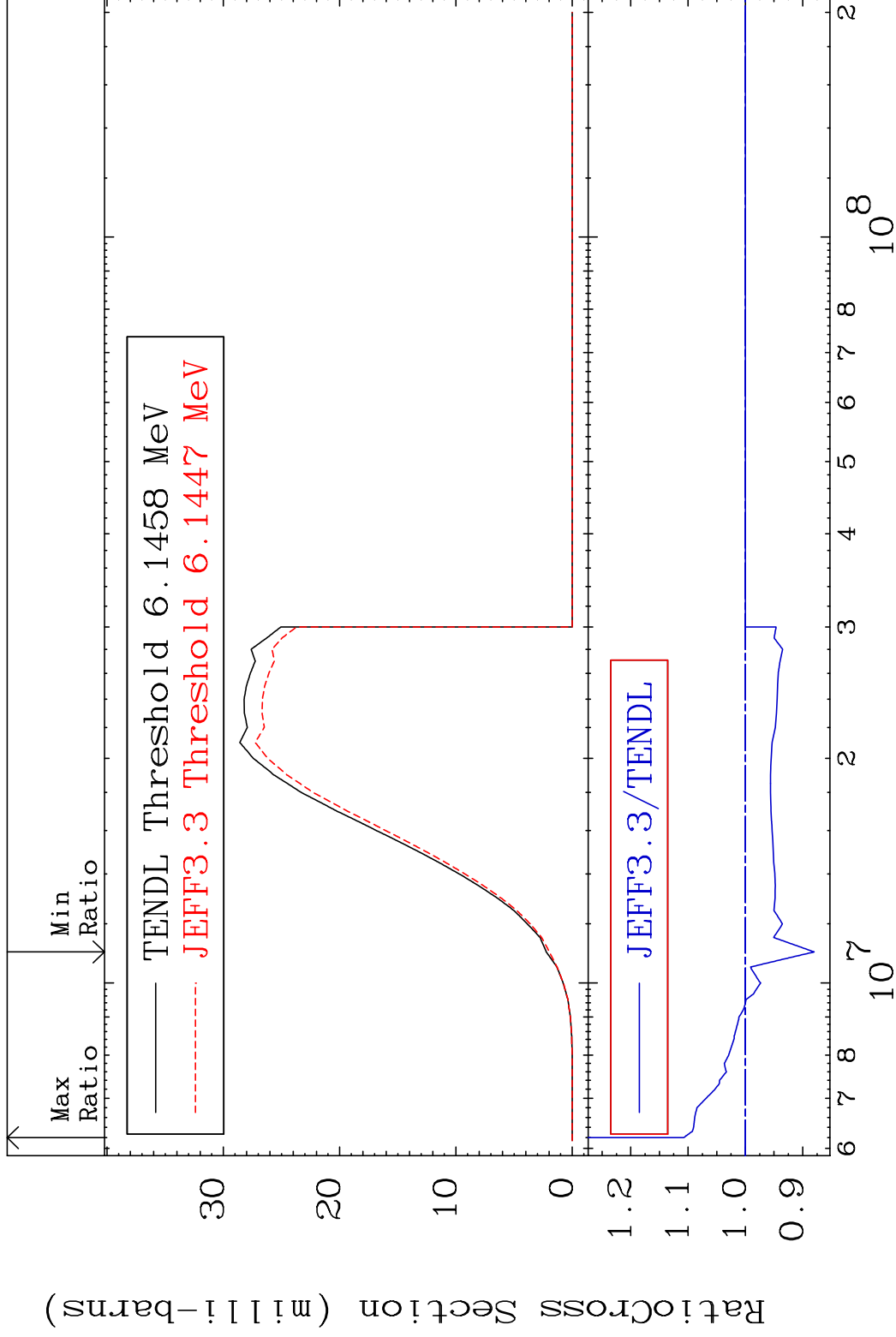
21-Sc-46

MAT 2128

(n, d)

21-Sc-46

Cross Section -11.99 To 10.77 %



50

Incident Energy (eV)

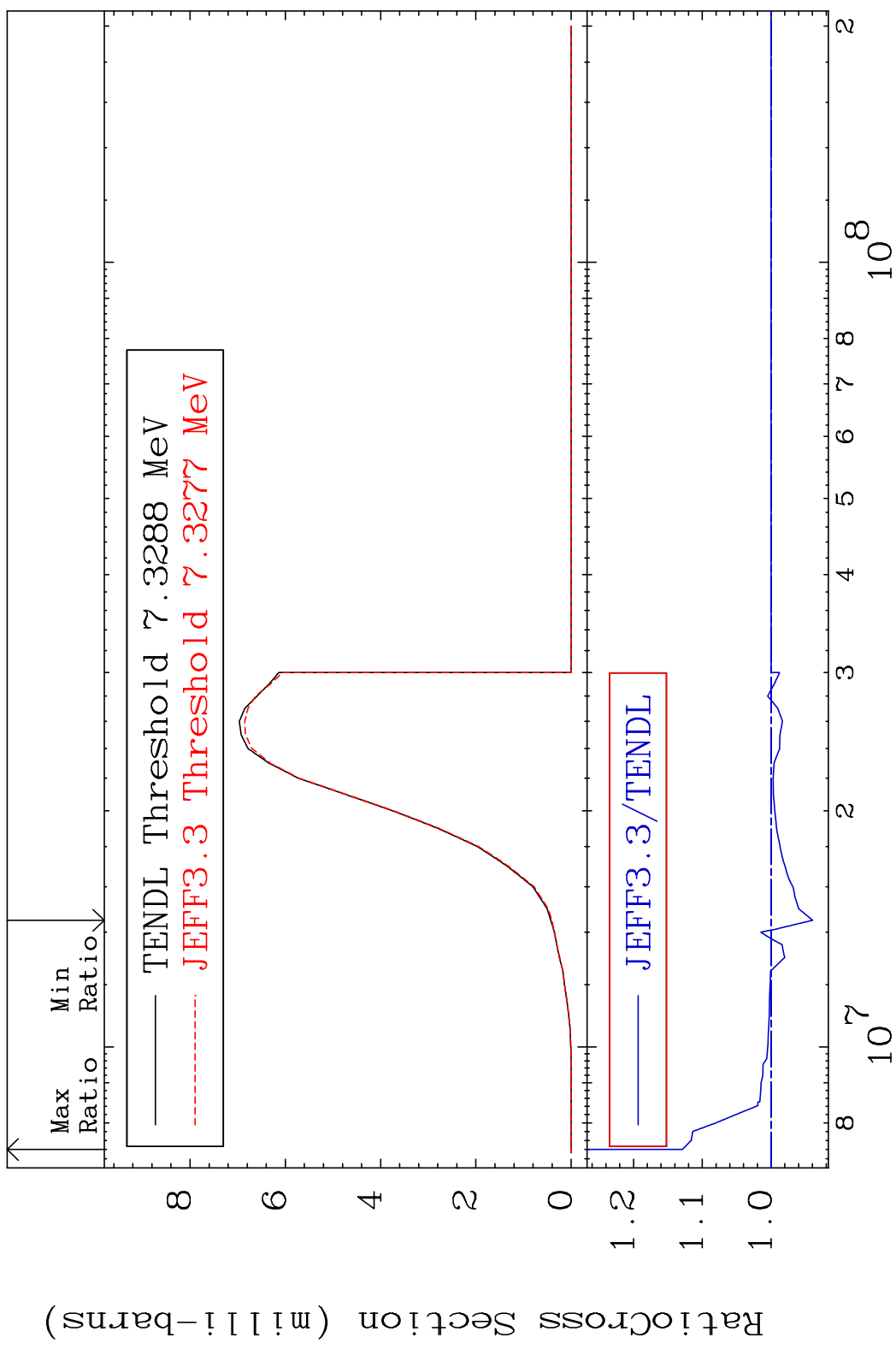
21-Sc-46

MAT 2128

(n, t)

21-Sc-46

Cross Section -6.021 To 12.90 %

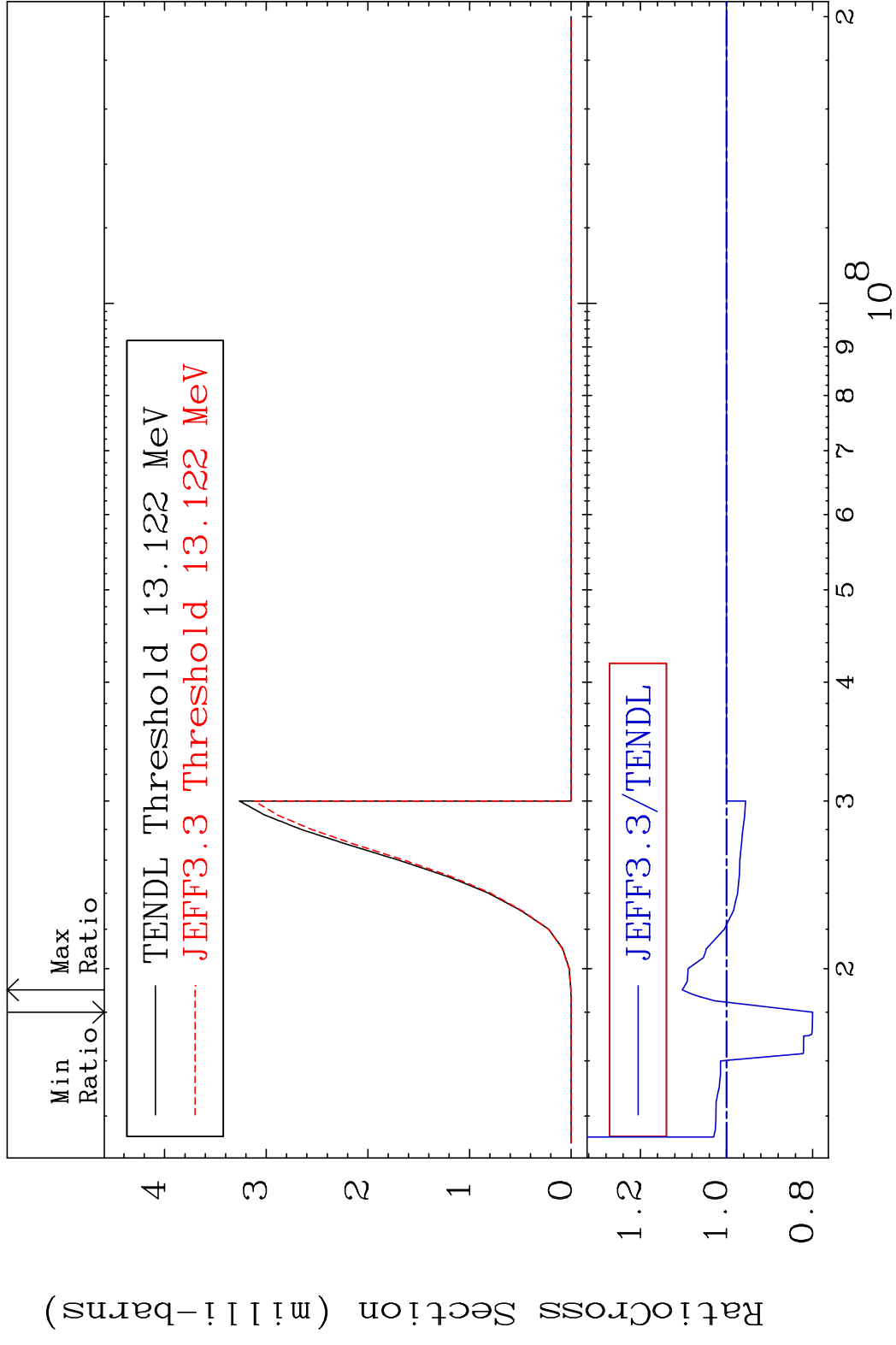


MAT 2128

(n, He-3)

21-Sc-46

Cross Section -19.98 To 10.25 %



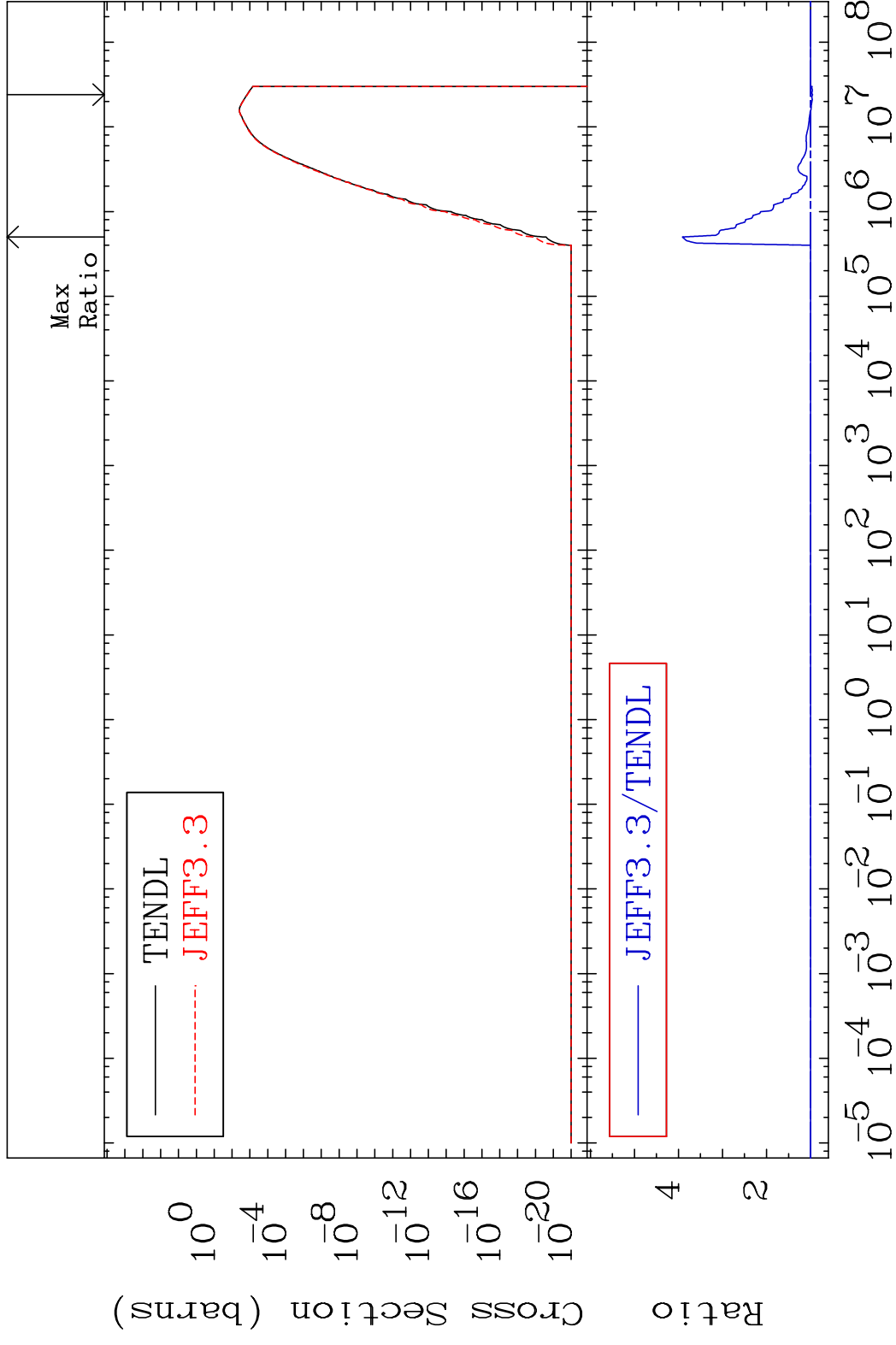
MAT 2128

(n, α)

21-Sc-46

Cross Section

-4.472 To 291.2 %

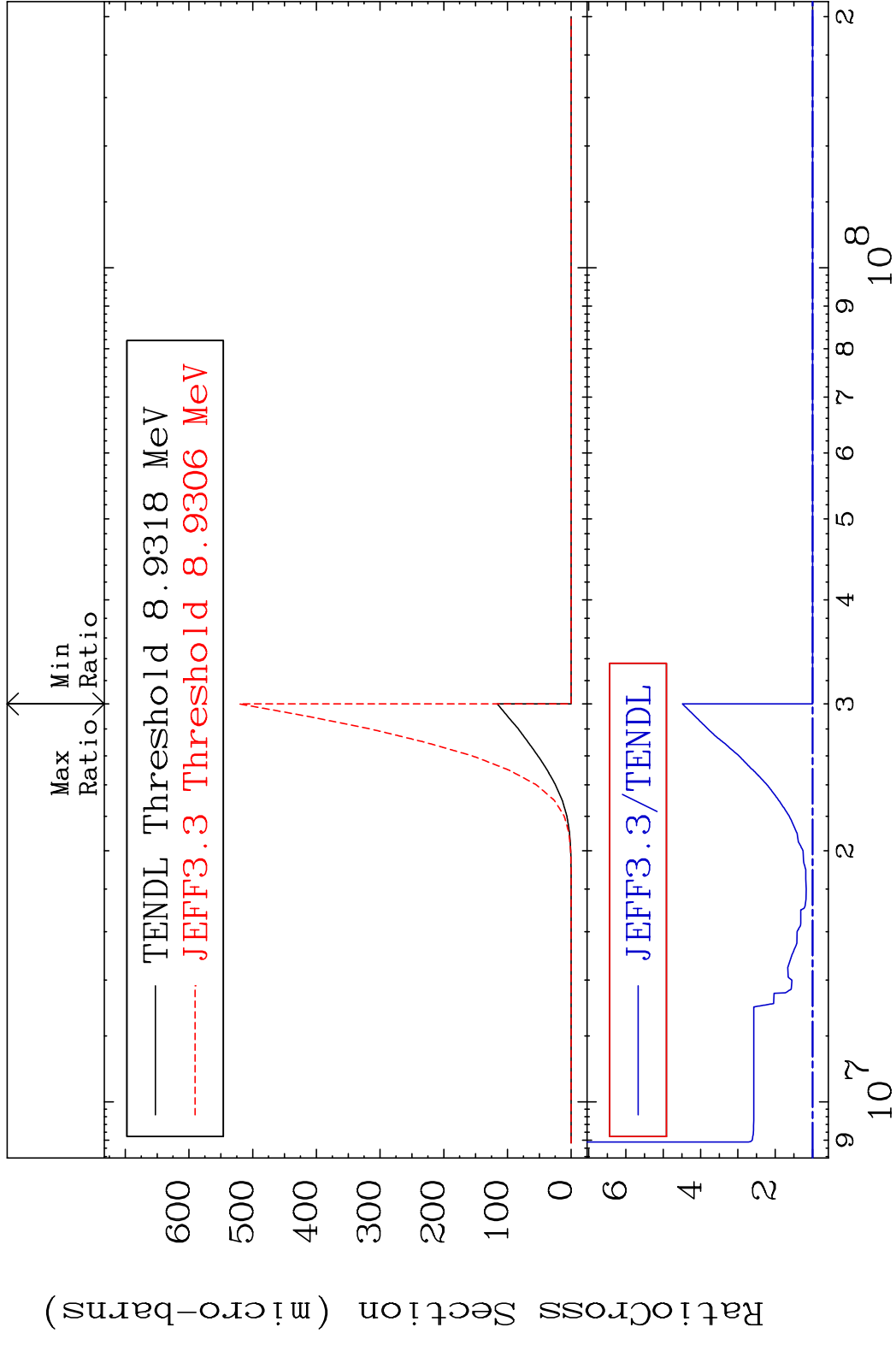


MAT 2128

(n, 2α)

21-Sc-46

Cross Section 0.000 To 348.9 %

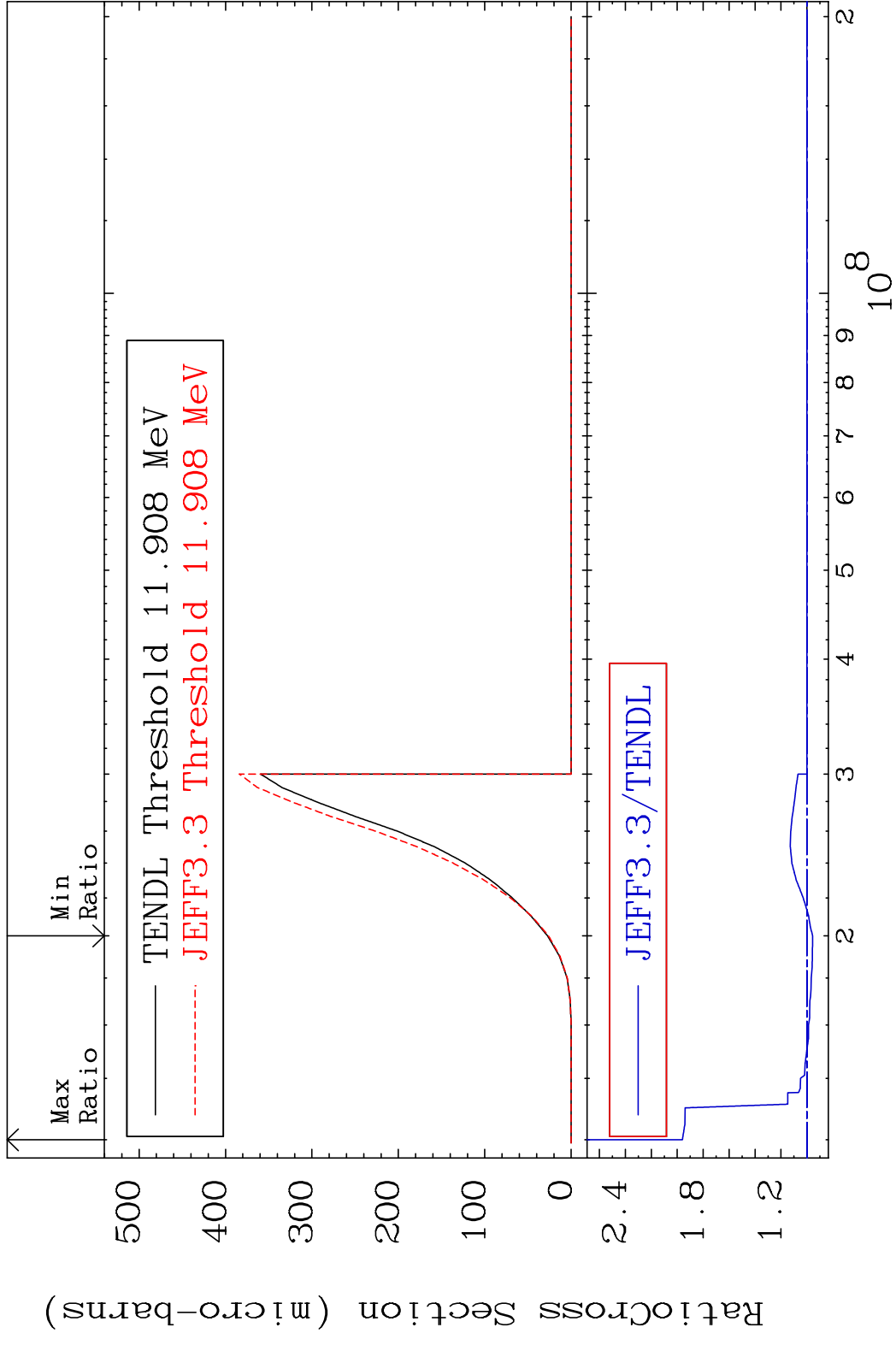


MAT 2128

(n,2p)

21-Sc-46

Cross Section -4.323 To 96.06 %

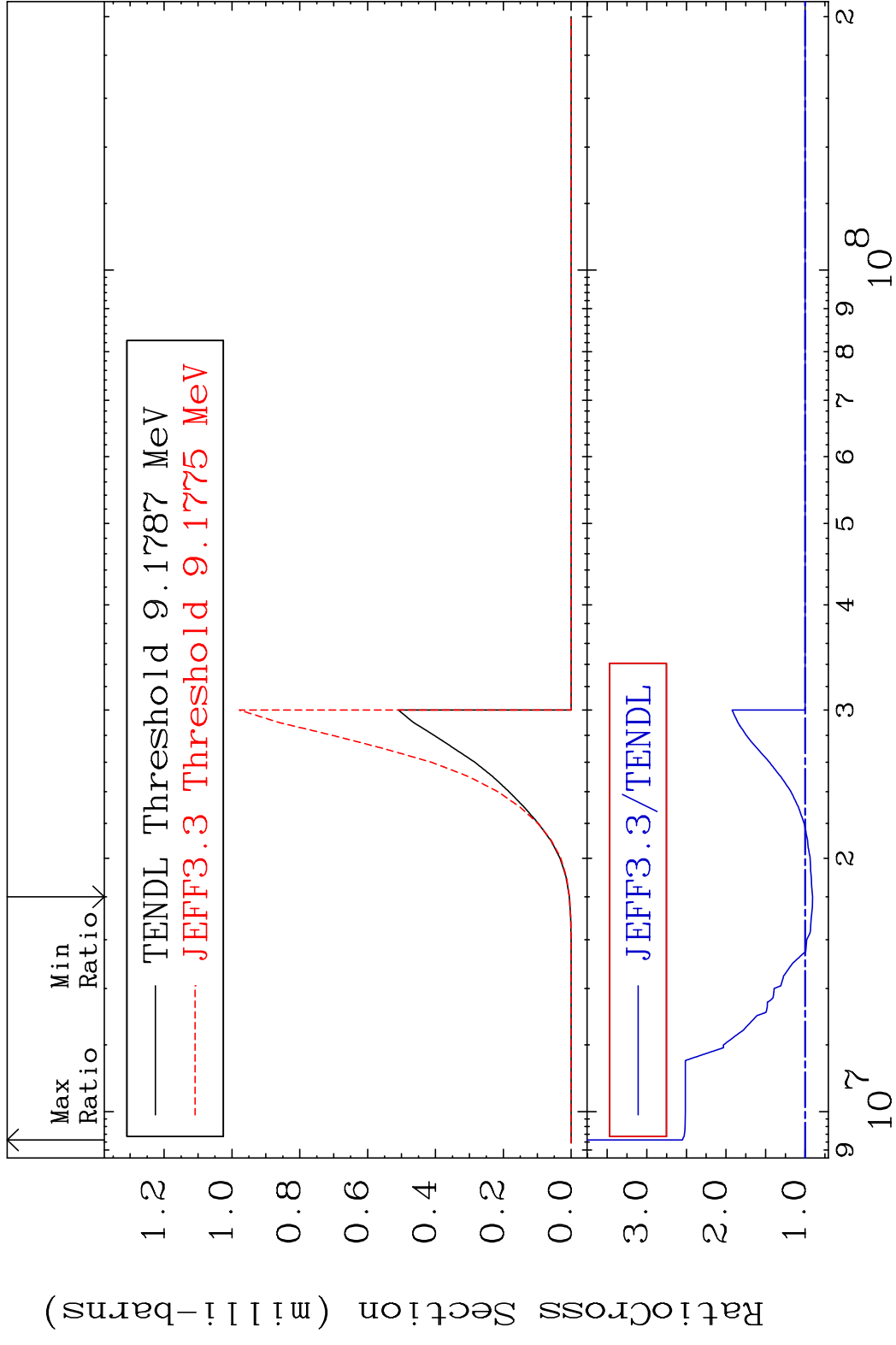


MAT 2128

(n,p) α

21-Sc-46

Cross Section -9.326 To 155.1 %



56

Incident Energy (eV)

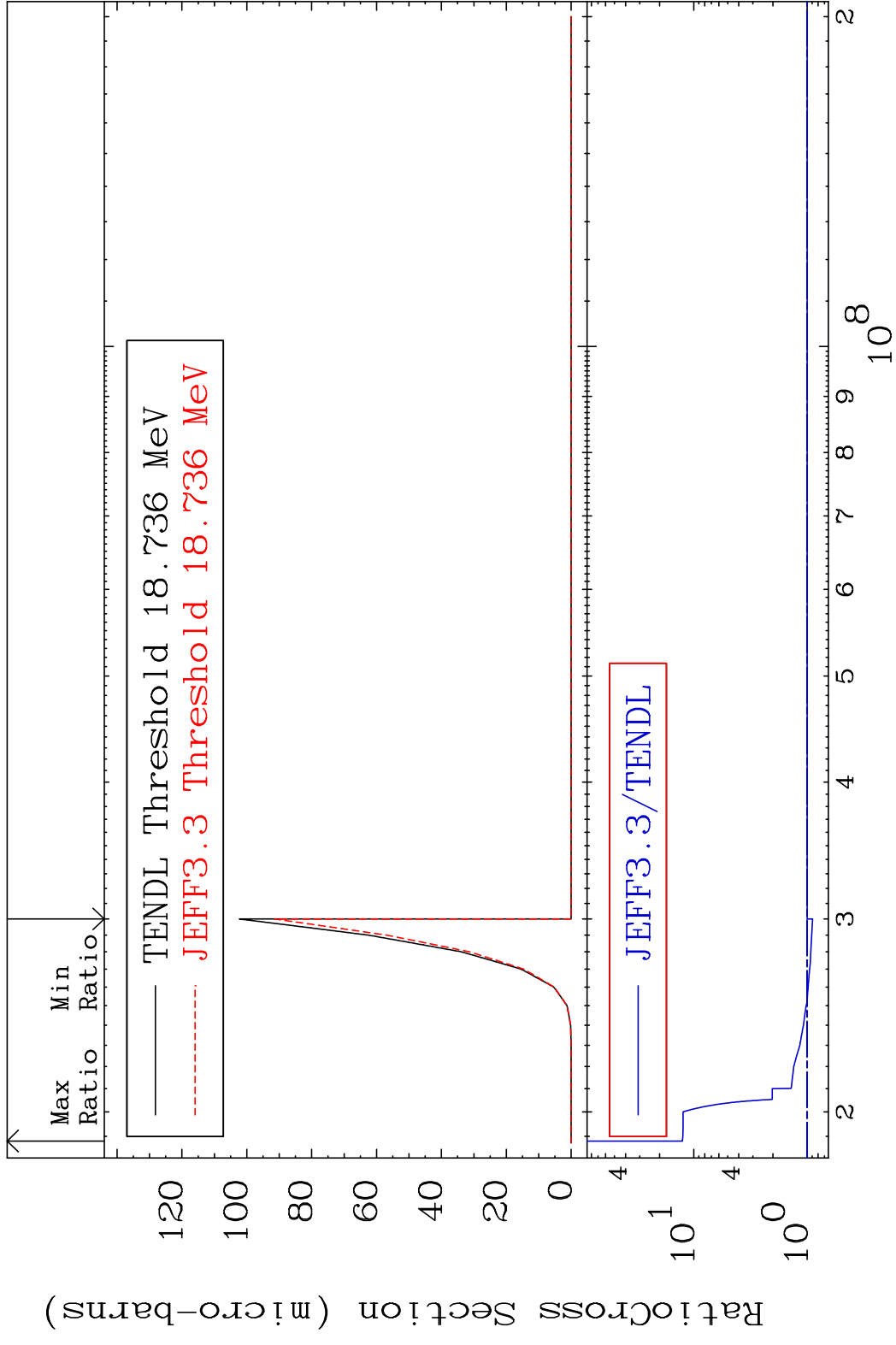
21-Sc-46

MAT 2128

(n,p) d

21-Sc-46

Cross Section -10.64 To 1160. %

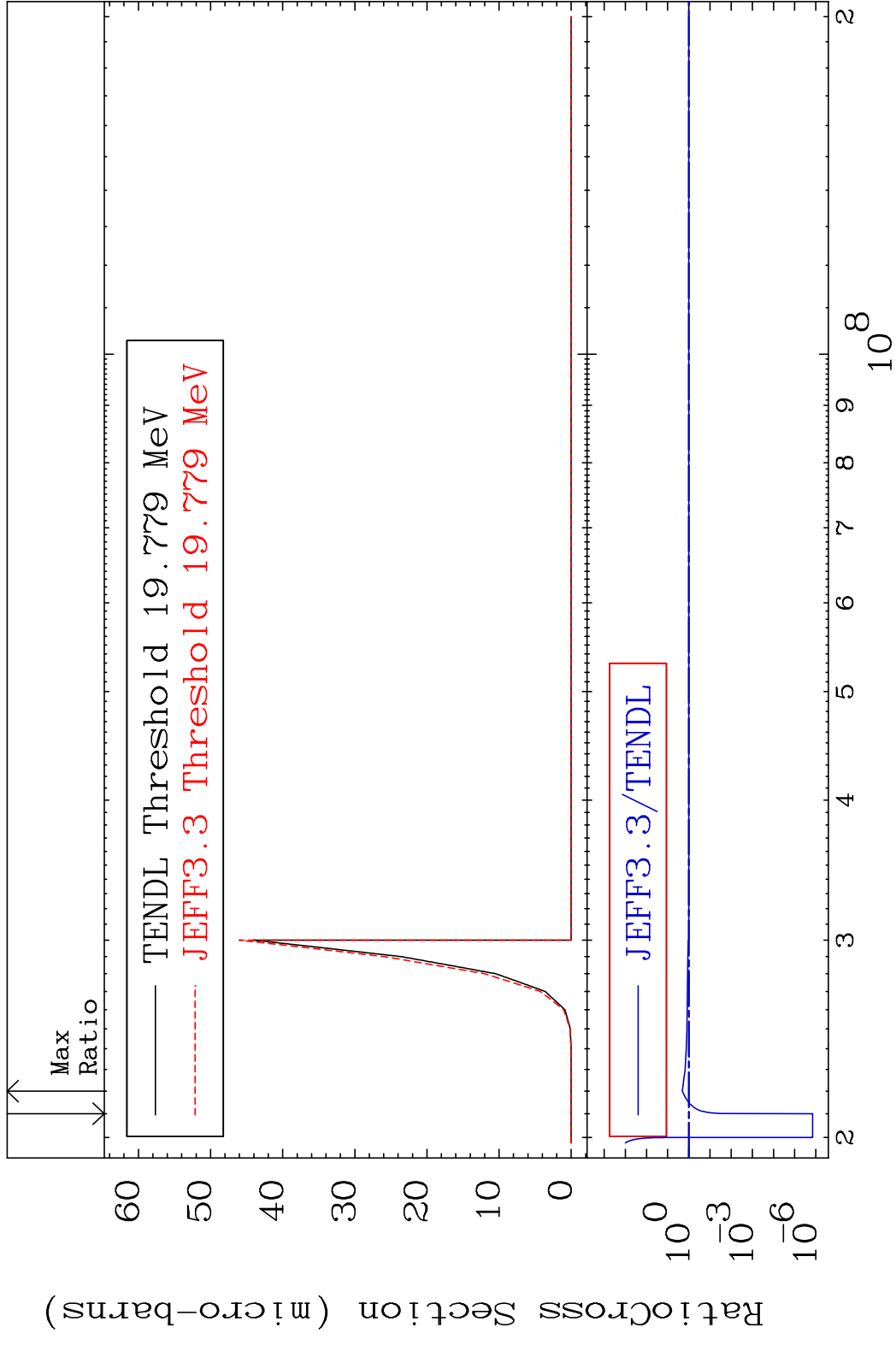


MAT 2128

(n,p) t

21-Sc-46

Cross Section -100.0 To 102.1 %

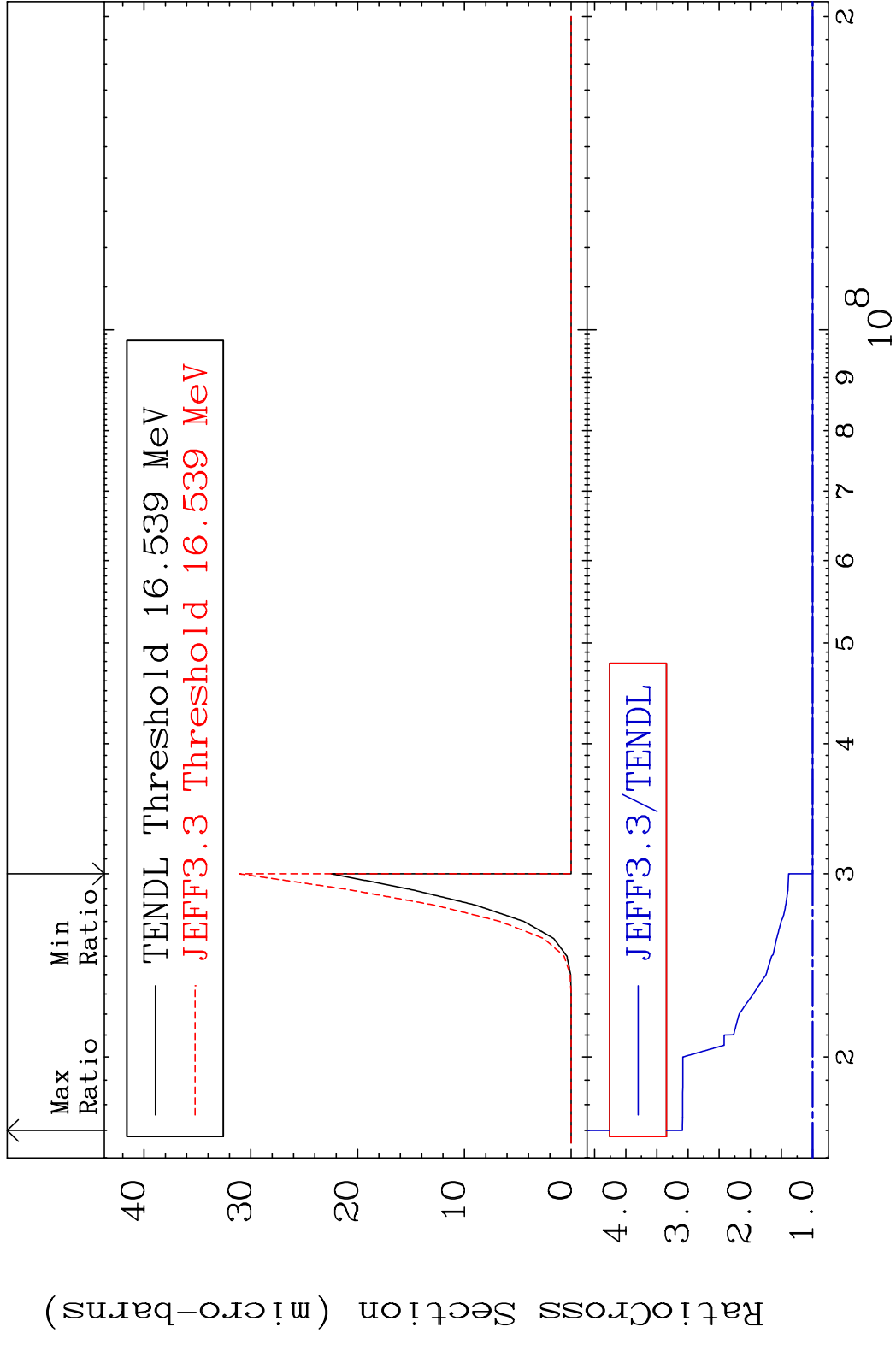


MAT 2128

(n,d) α

21-Sc-46

Cross Section 0.000 To 209.2 %

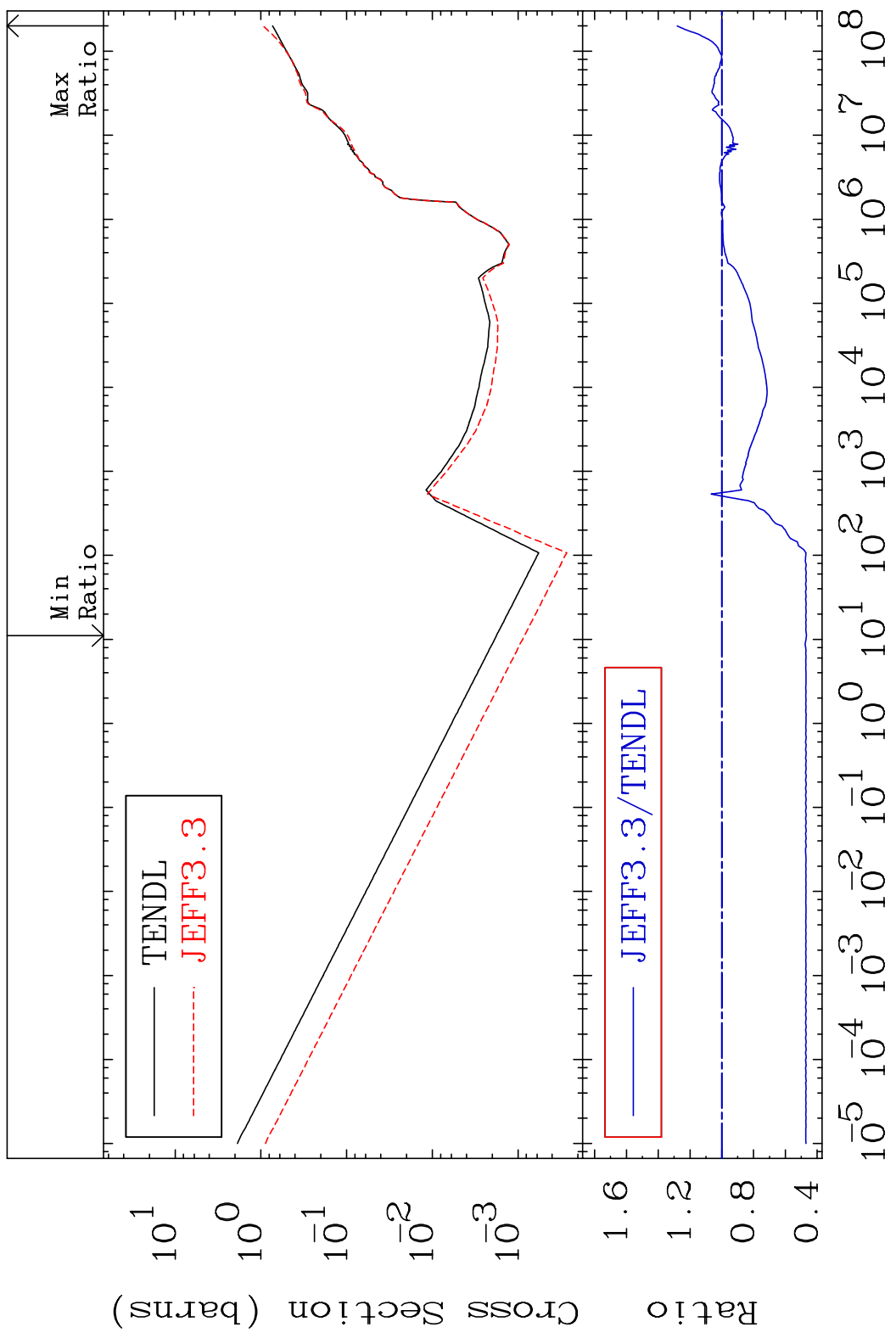


MAT 2128

Hydrogen Production

21-Sc-46

Cross Section -53.22 To 28.08 %

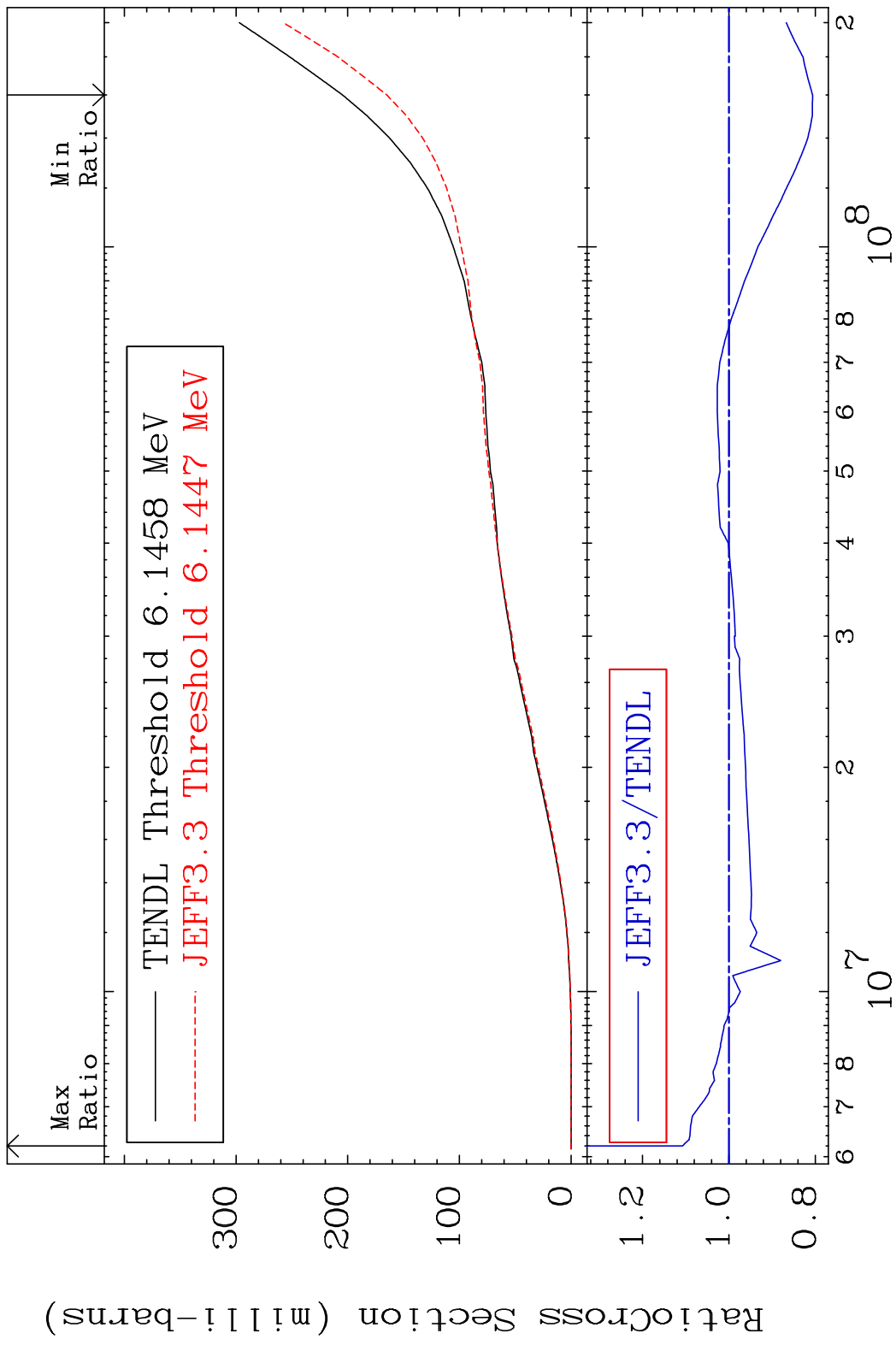


60

Incident Energy (eV)

21-Sc-46

MAT 2128 Deuterium Production 21-Sc-46
 Cross Section -19.37 To 10.77 %

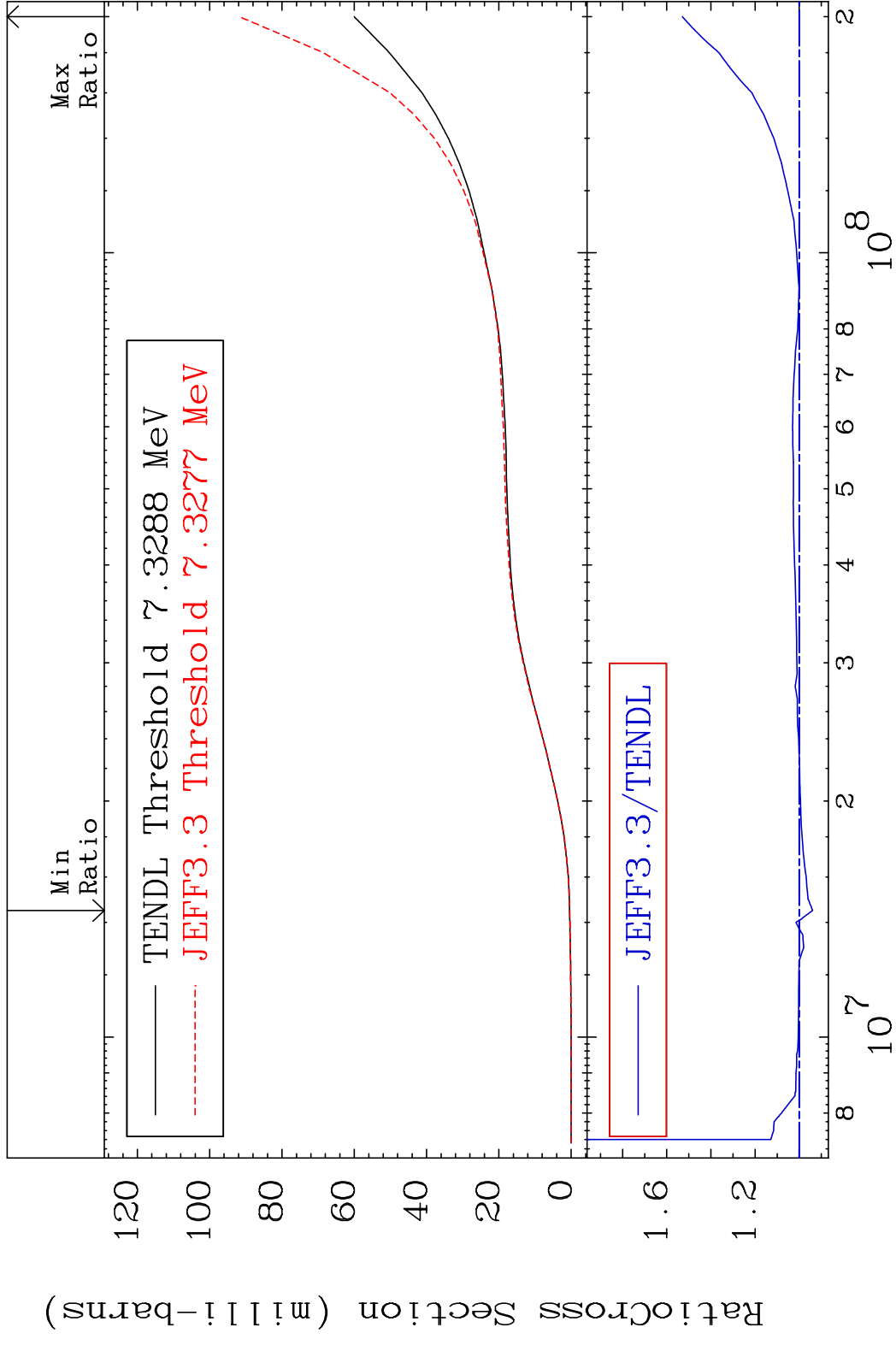


MAT 2128

Tritium Production

21-Sc-46

Cross Section -6.021 To 52.93 %

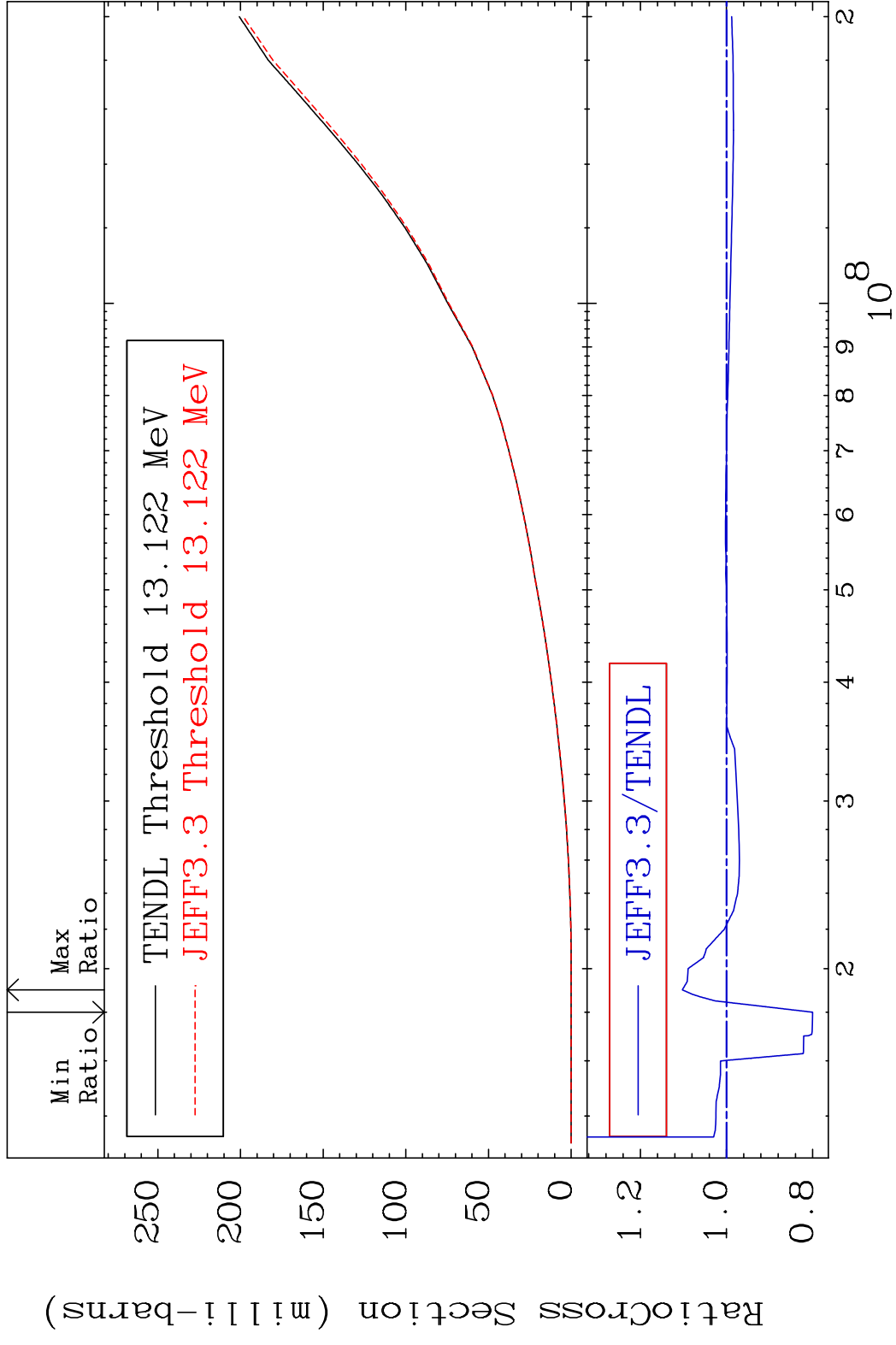


62

Incident Energy (eV)

21-Sc-46

Cross Section -19.98 To 10.25 %

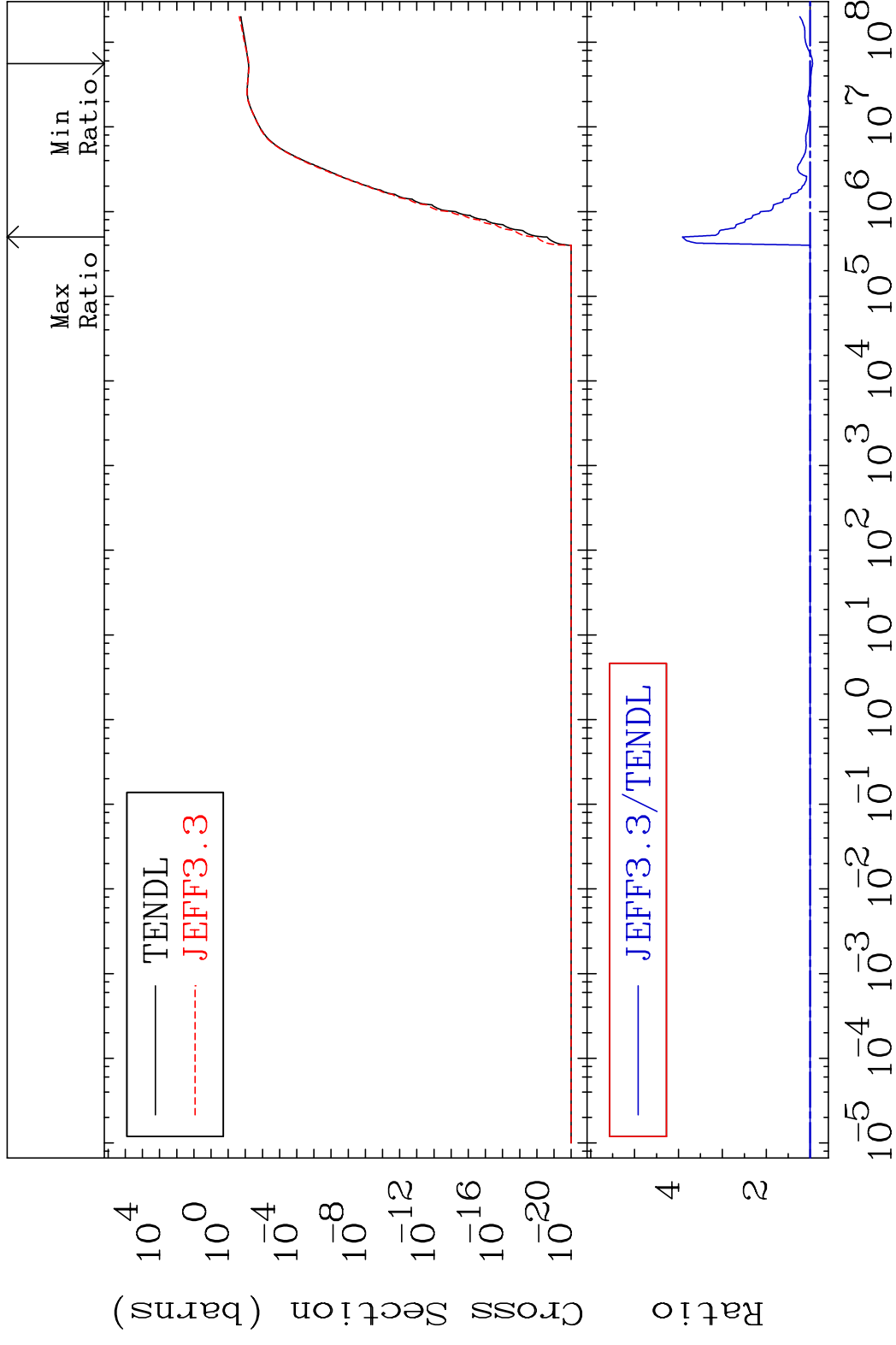


MAT 2128

He-4 Production

21-Sc-46

Cross Section -5.432 To 291.2 %

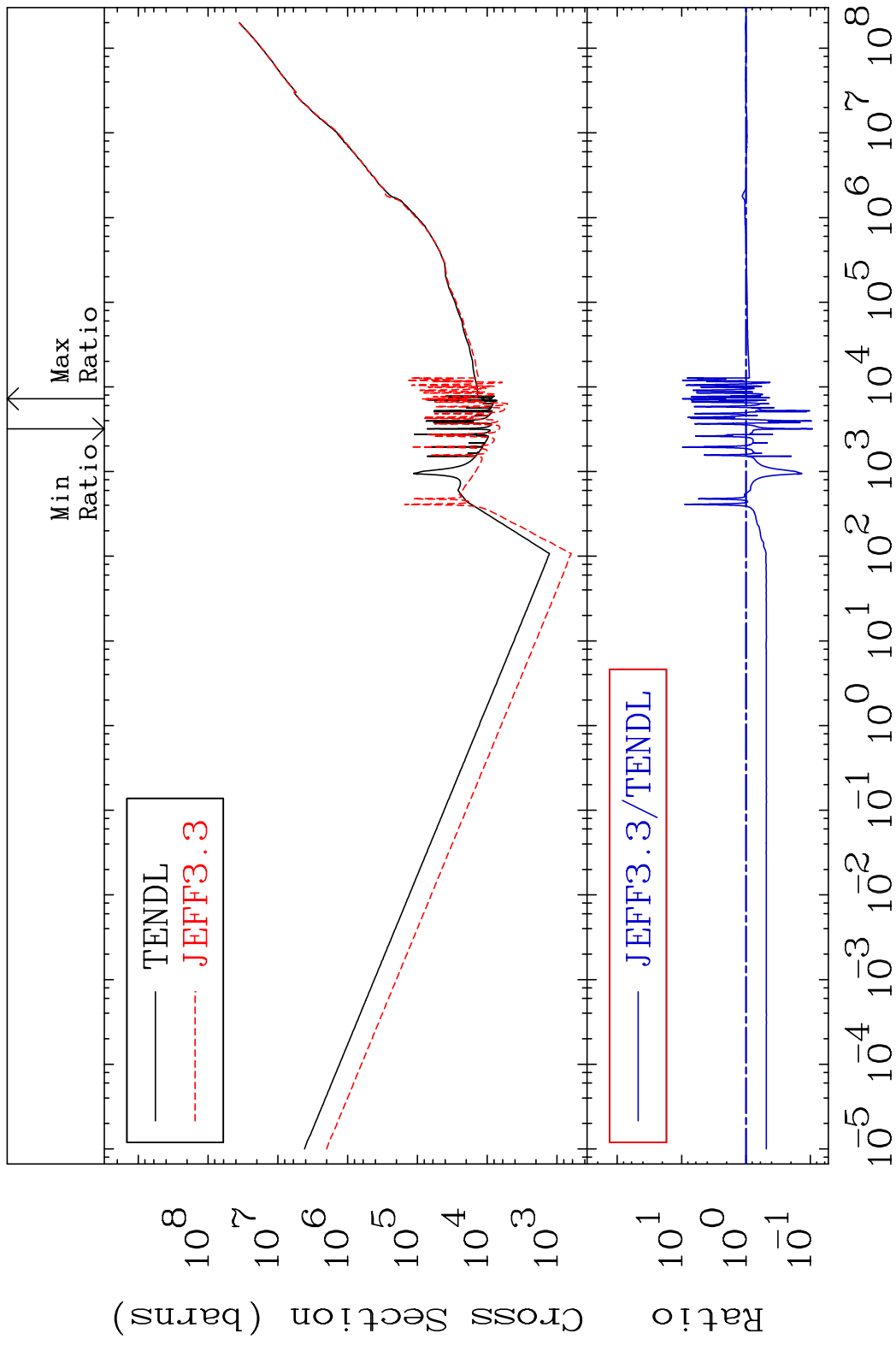


64

Incident Energy (eV)

21-Sc-46

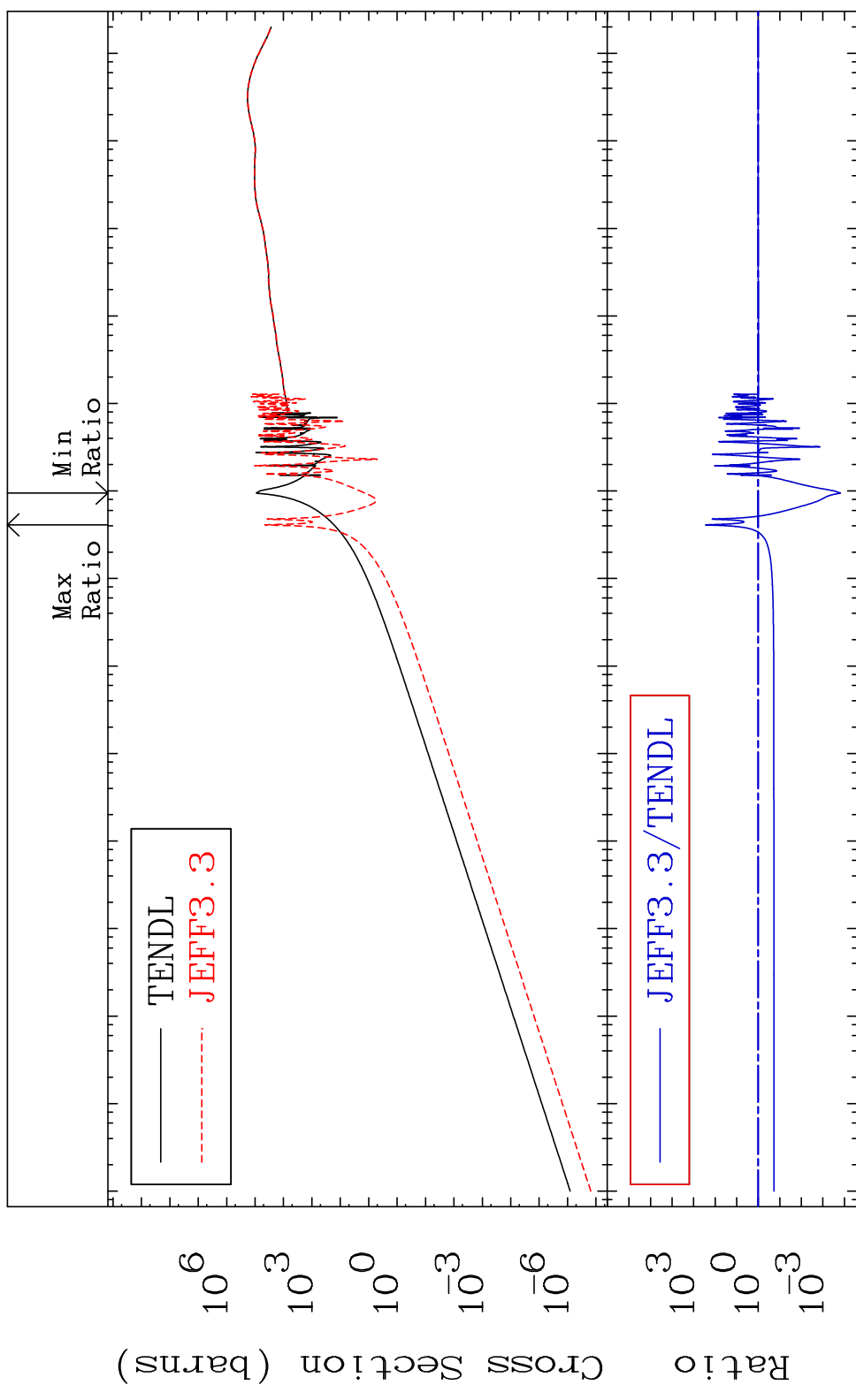
MAT 2128 Kerma total (eV-barns) 21-Sc-46
 Cross Section -90.74 To 874.9 %



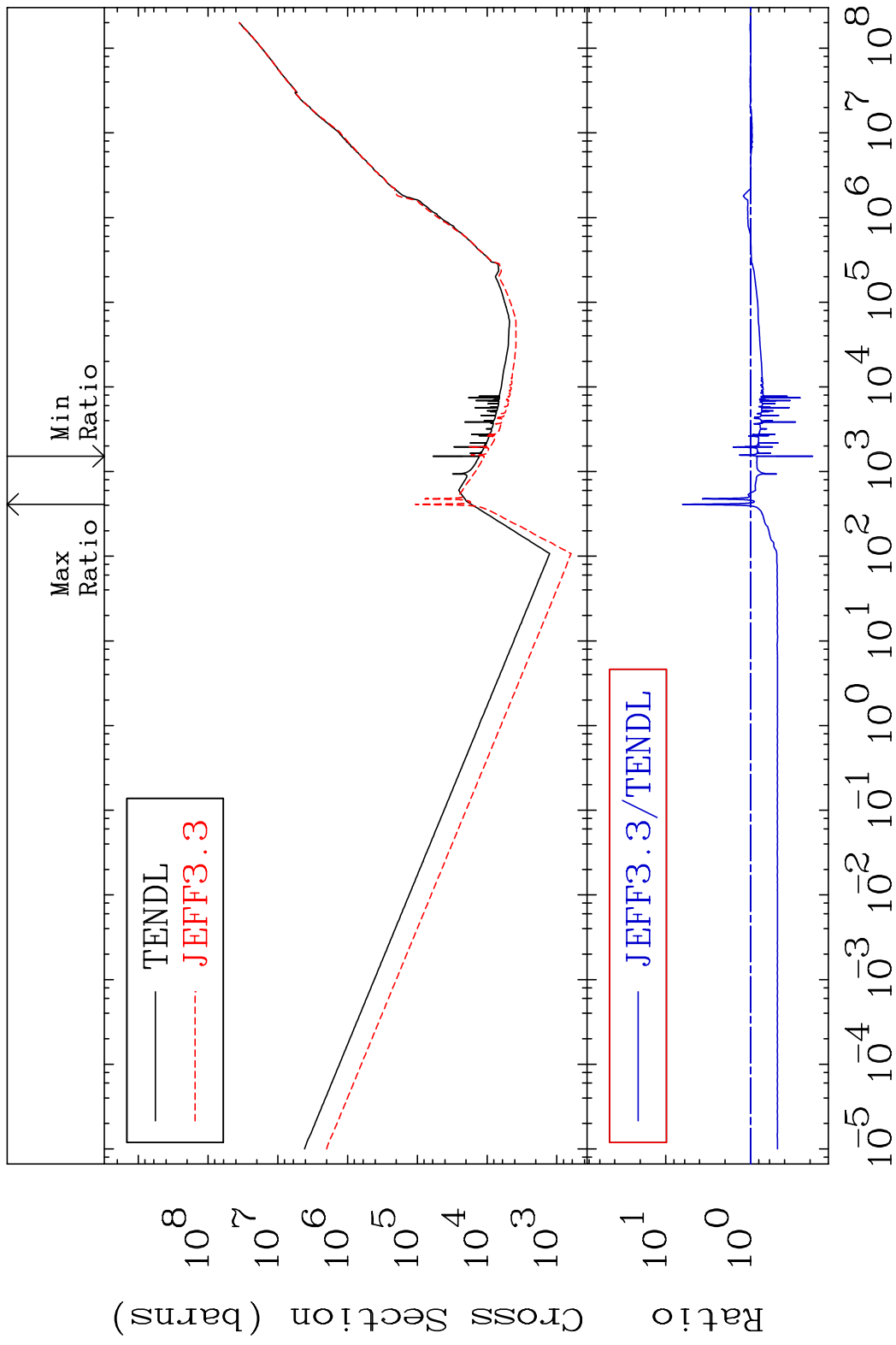
65 Incident Energy (eV) 21-Sc-46

MAT 2128

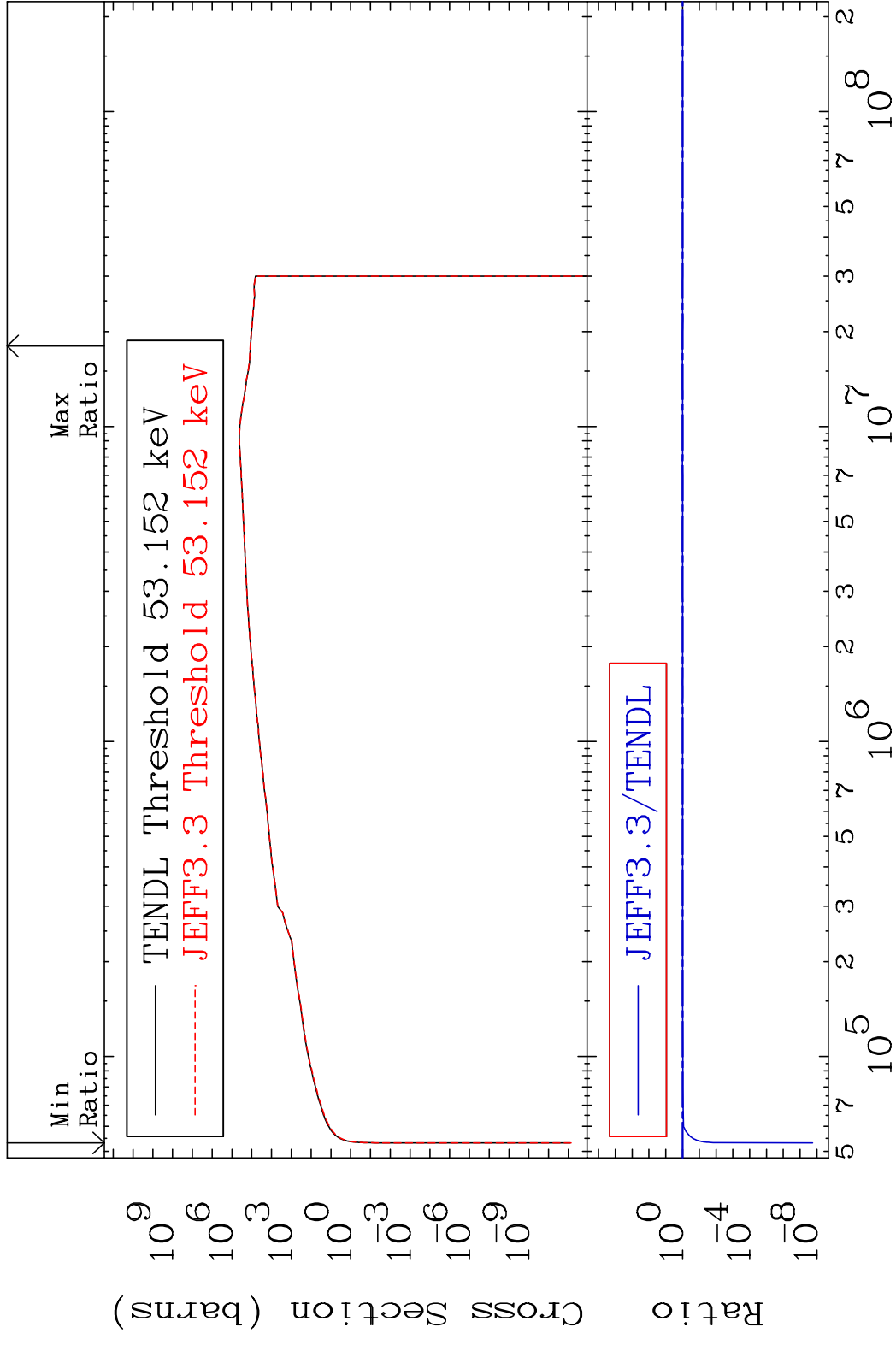
Kerma elastic Cross Section -99.98 To 9999. %
21-Sc-46



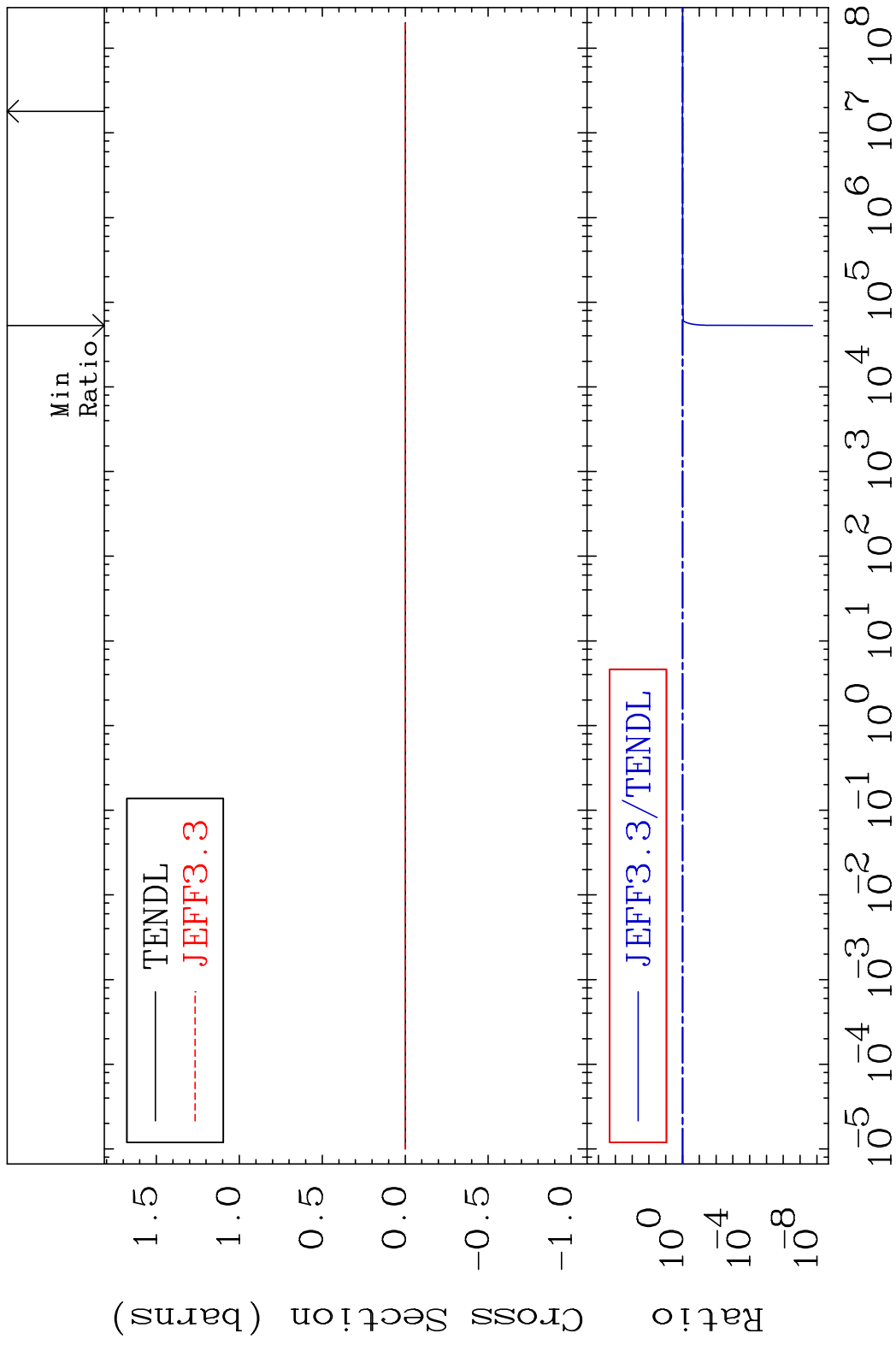
MAT 2128 Kerma non-elastic (all but mt2) 21-Sc-46
 Cross Section -81.34 To 538.0 %



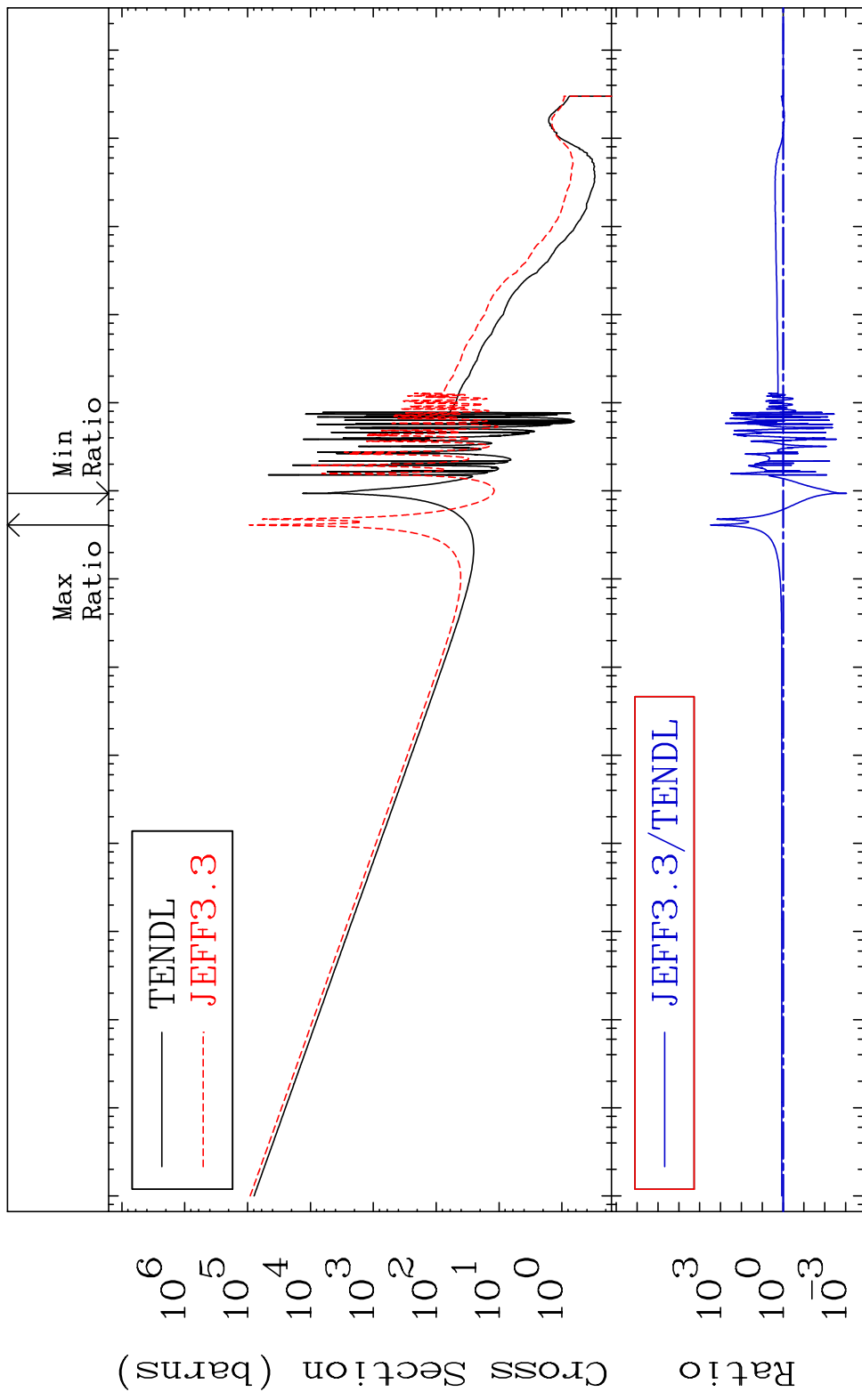
MAT 2128 Kerma inelastic (mt51-91) 21-Sc-46
 Cross Section -100.0 To 2.353 %



MAT 2128 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-46
 Cross Section -100.0 To 2.353 %

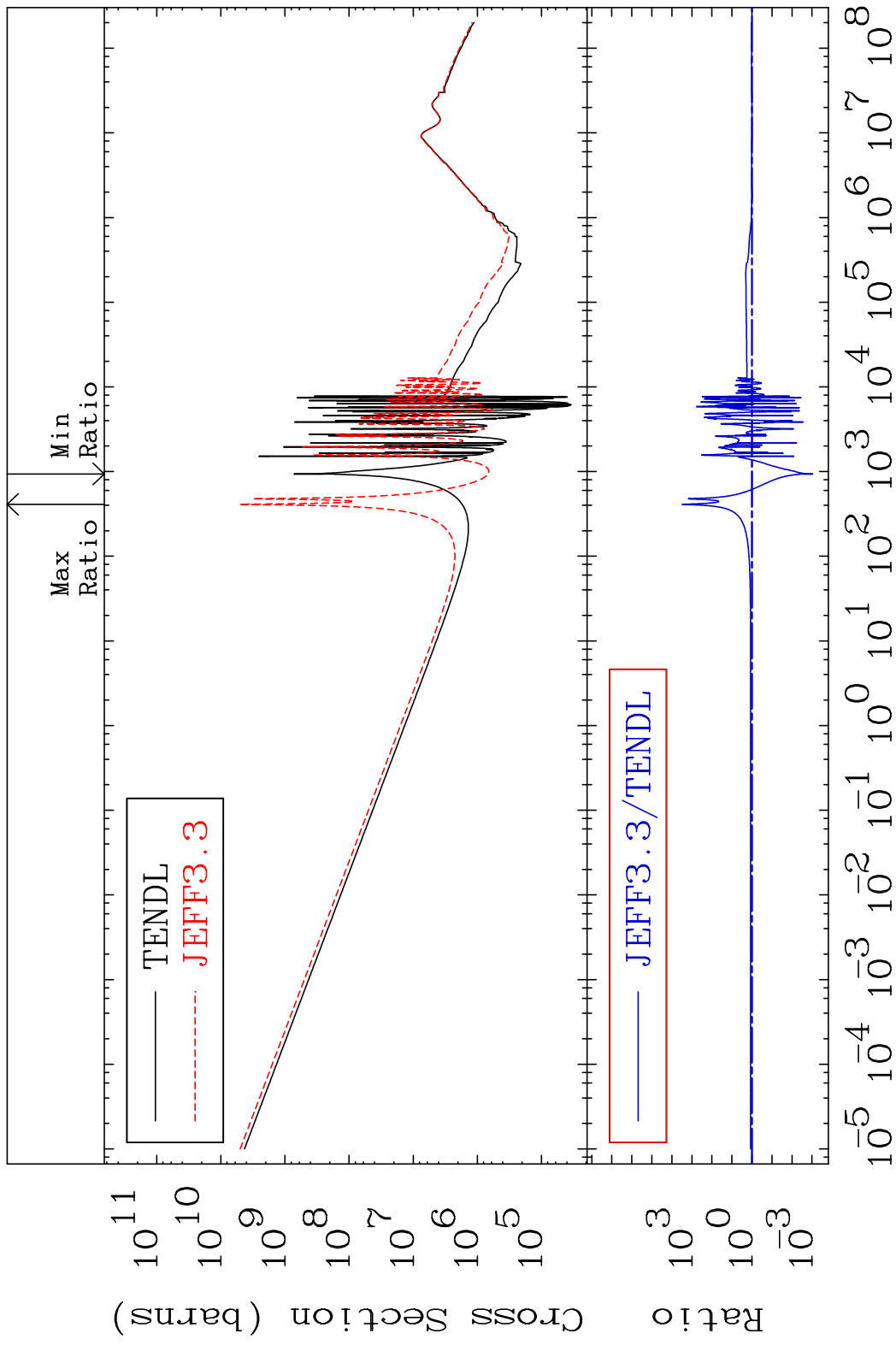


MAT 2128 Kerma capture (mt102) 21-Sc-46
 Cross Section -99.91 To 9999. %



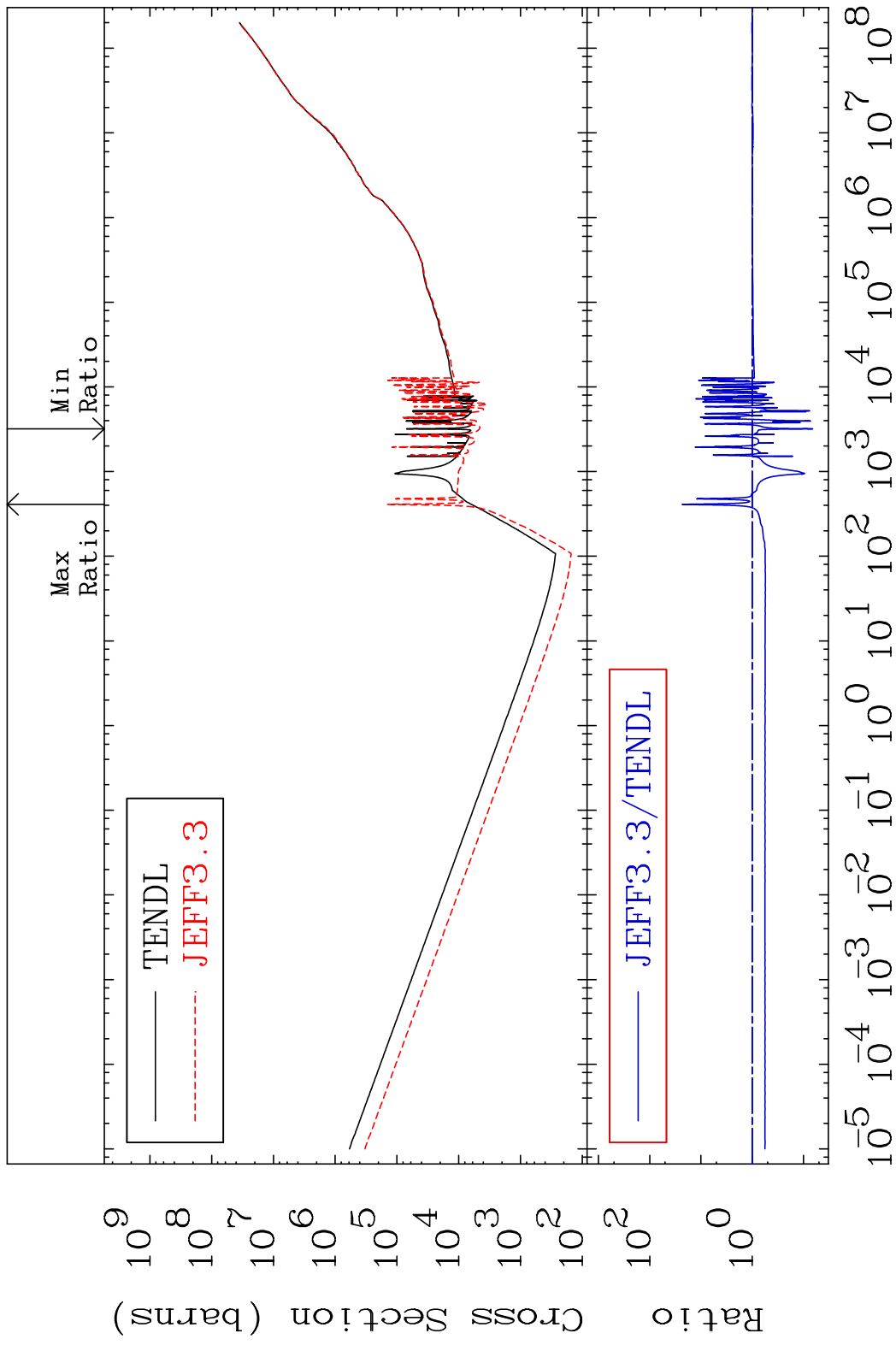
70 Incident Energy (eV) 21-Sc-46

MAT 2128 Total photon (eV-barns) 21-Sc-46
 Cross Section -99.91 To 9999. %

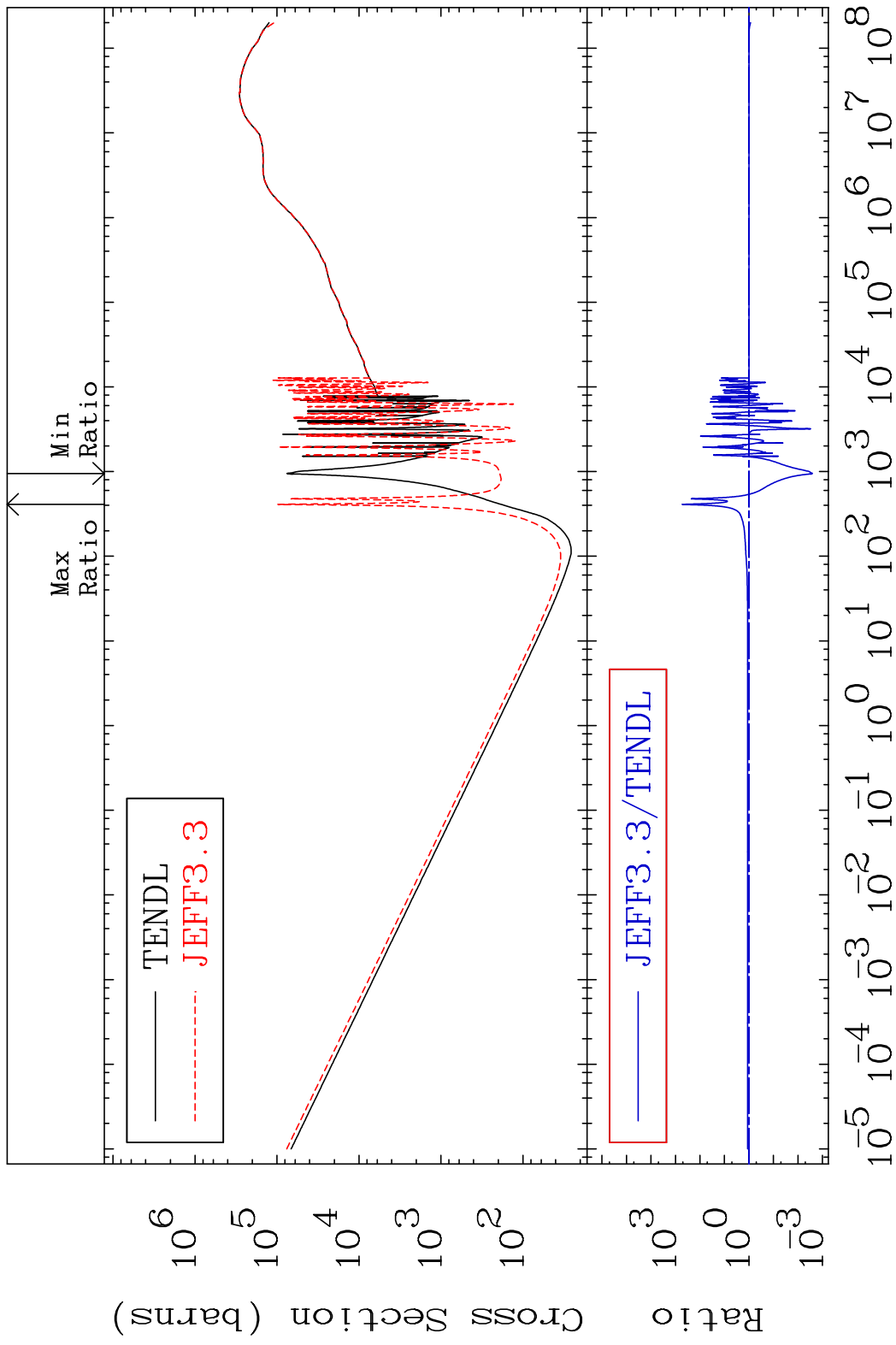


71 Incident Energy (eV) 21-Sc-46

MAT 2128 Total kinematic kerma (high limit) 21-Sc-46
 Cross Section -93.36 To 2208. %



MAT 2128 Dpa total (eV-barns) 21-Sc-46
 Cross Section -99.75 To 9999. %



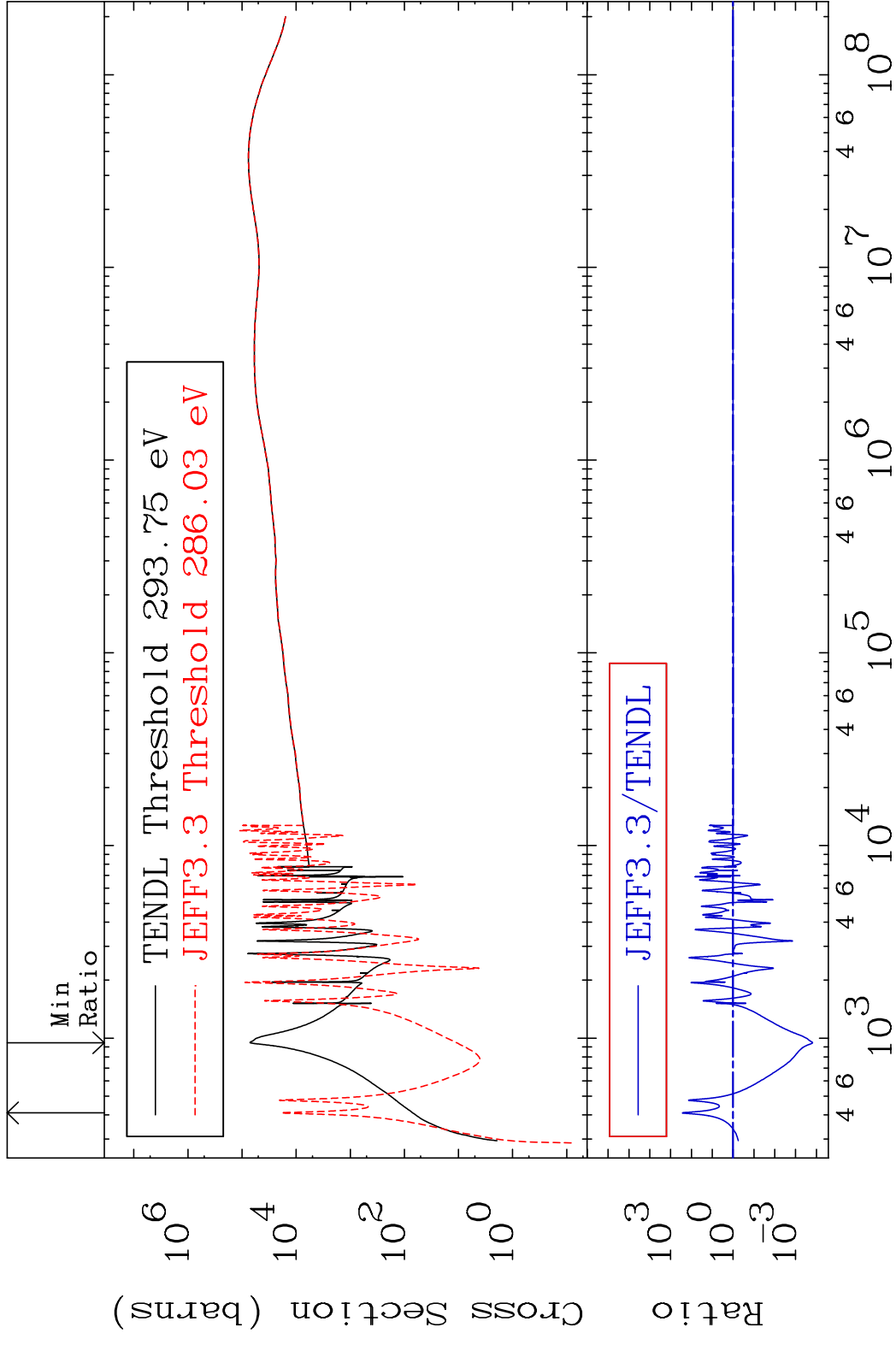
73 Incident Energy (eV) 21-Sc-46

MAT 2128

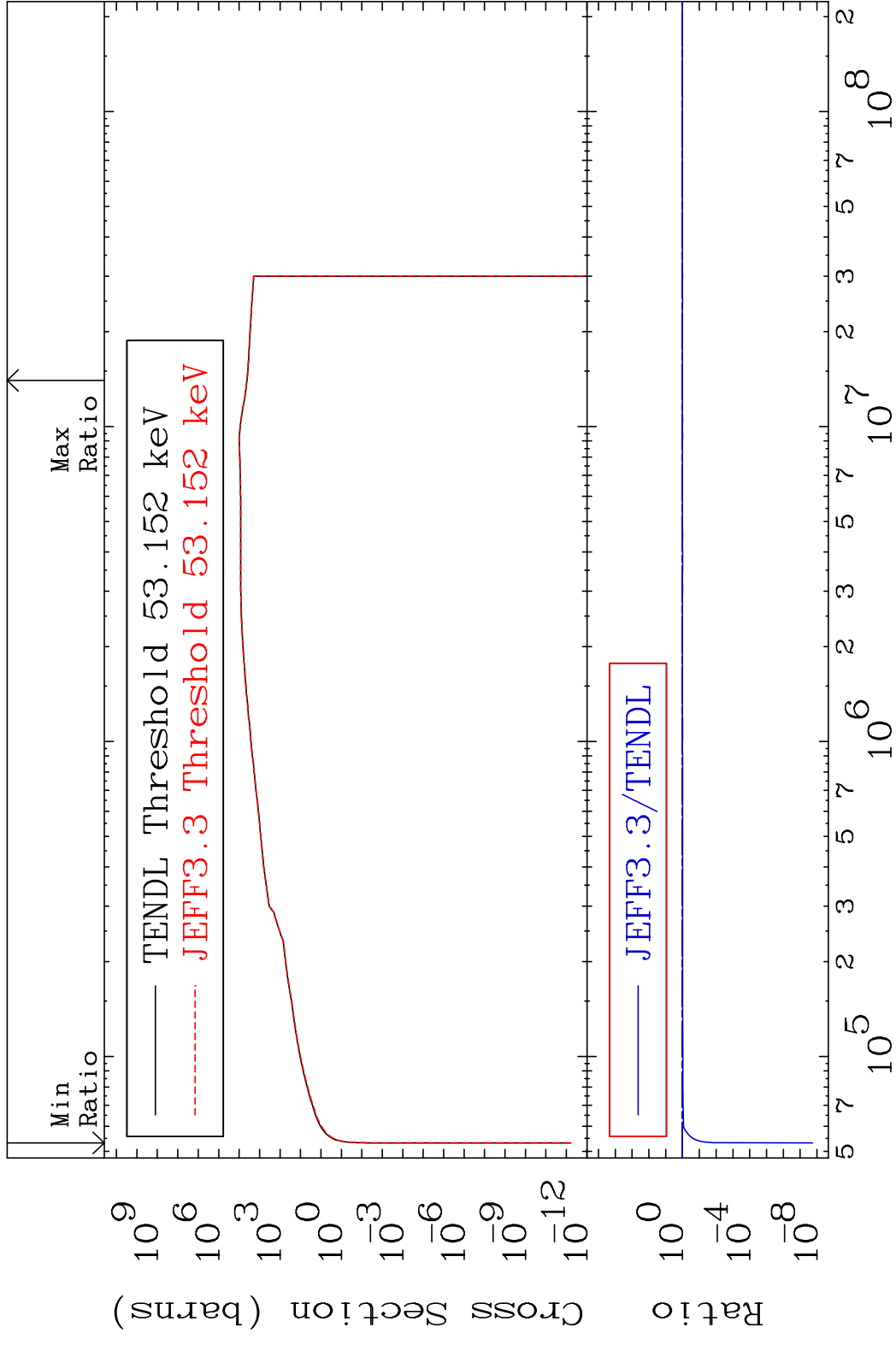
Dpa elastic (mt2)

21-Sc-46

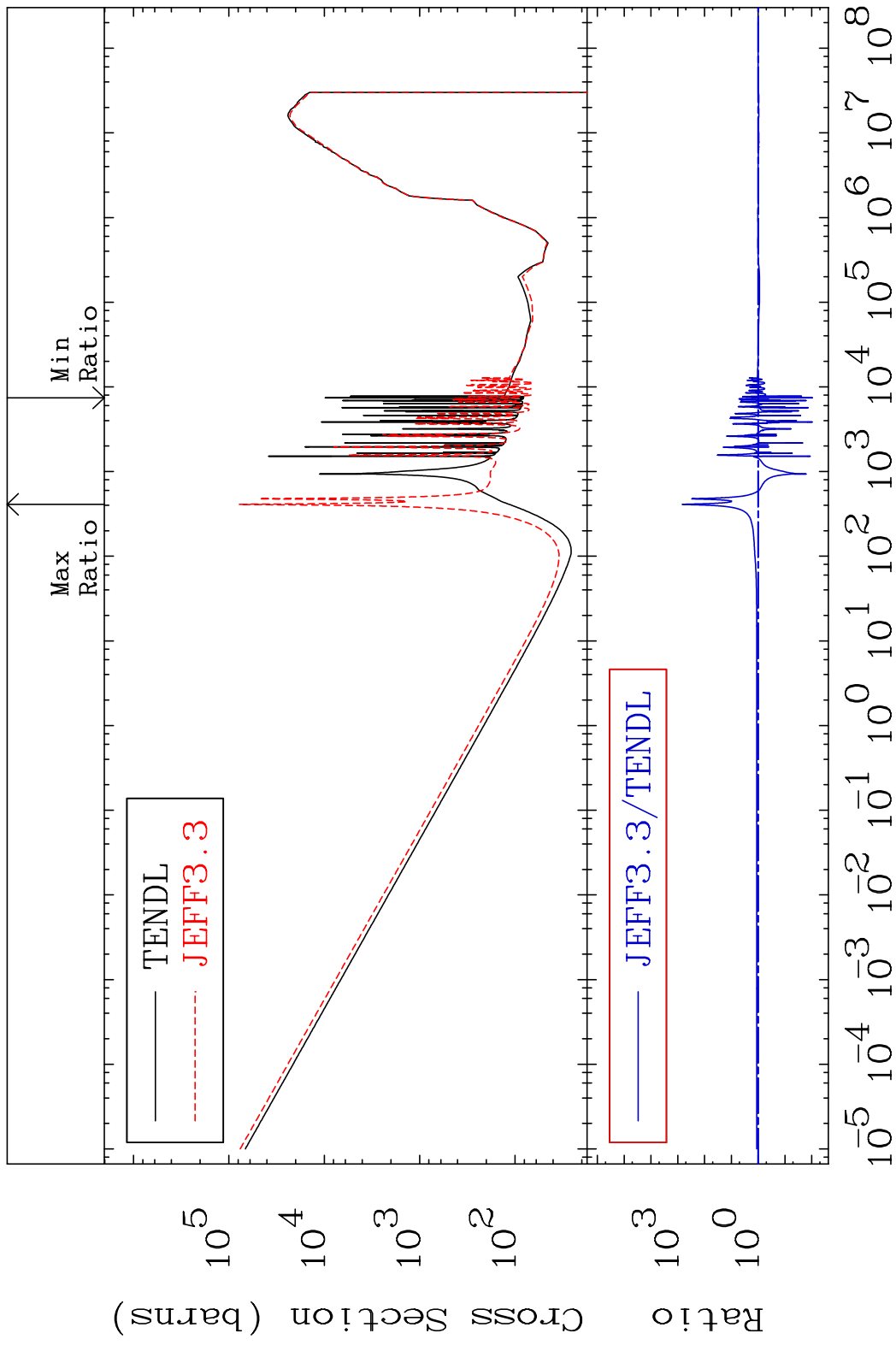
Cross Section -99.98 To 9999. %

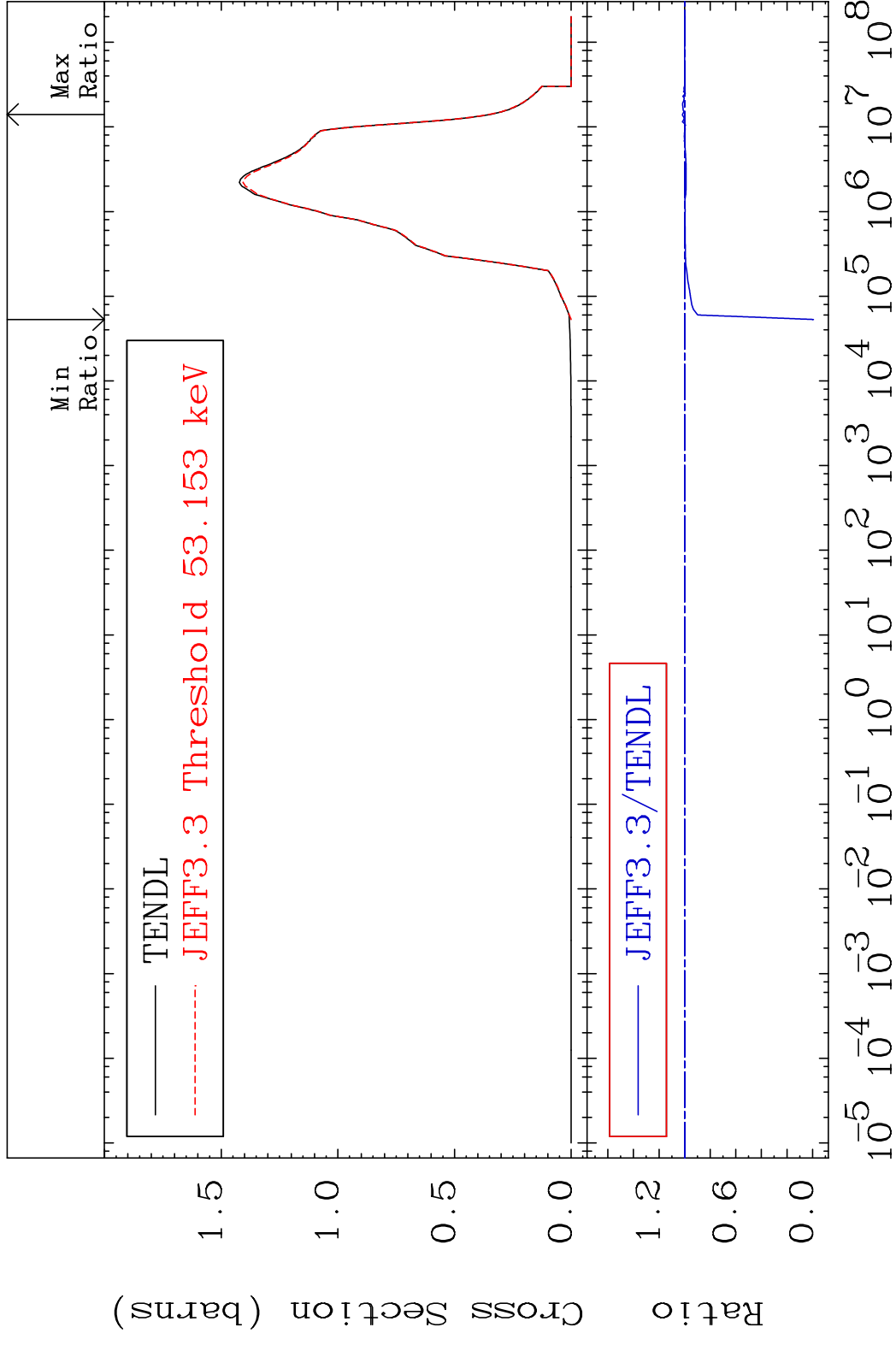


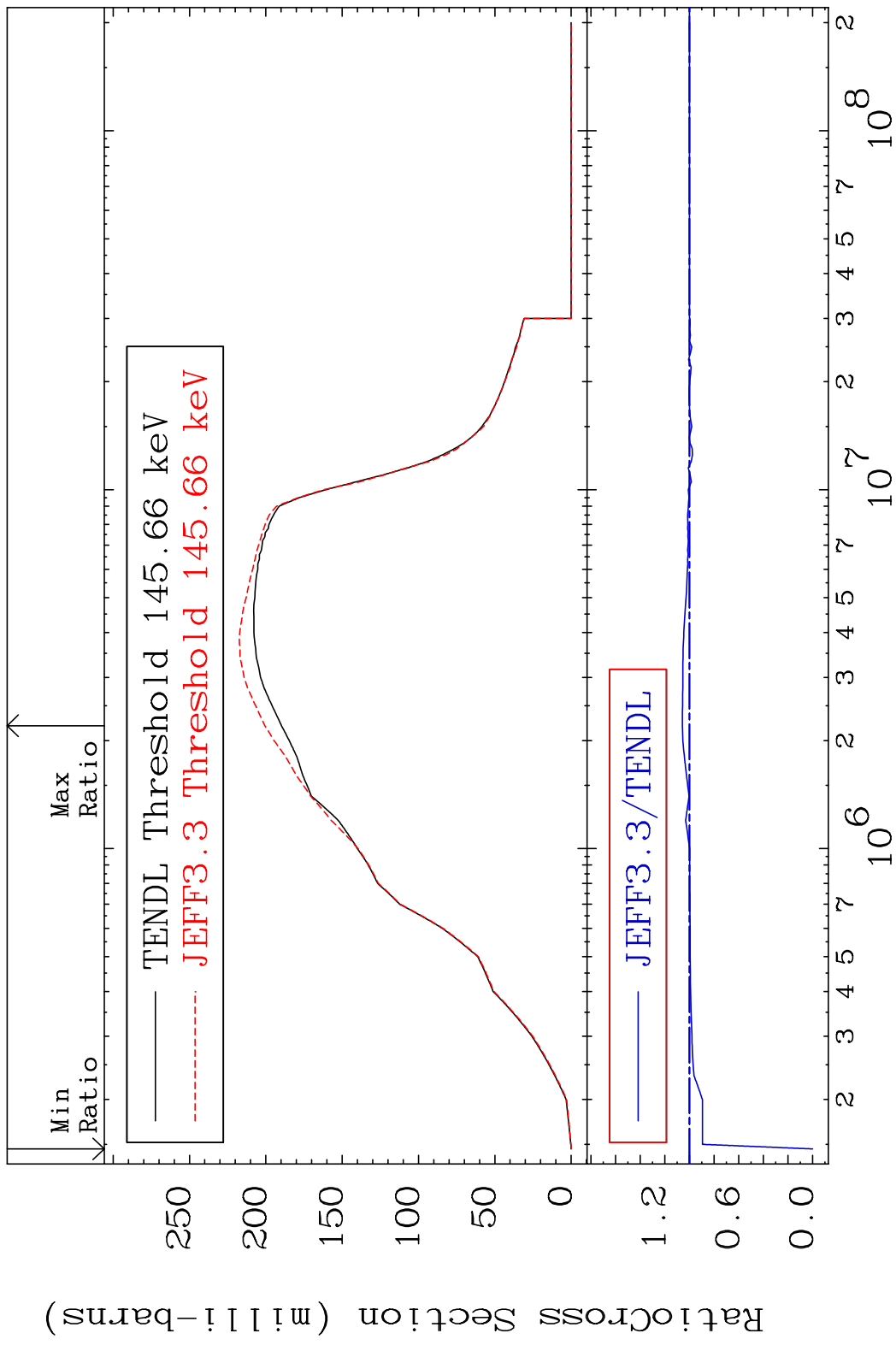
MAT 2128 Dpa inelastic (mt51-91) 21-Sc-46
 Cross Section -100.0 To 1.847 %

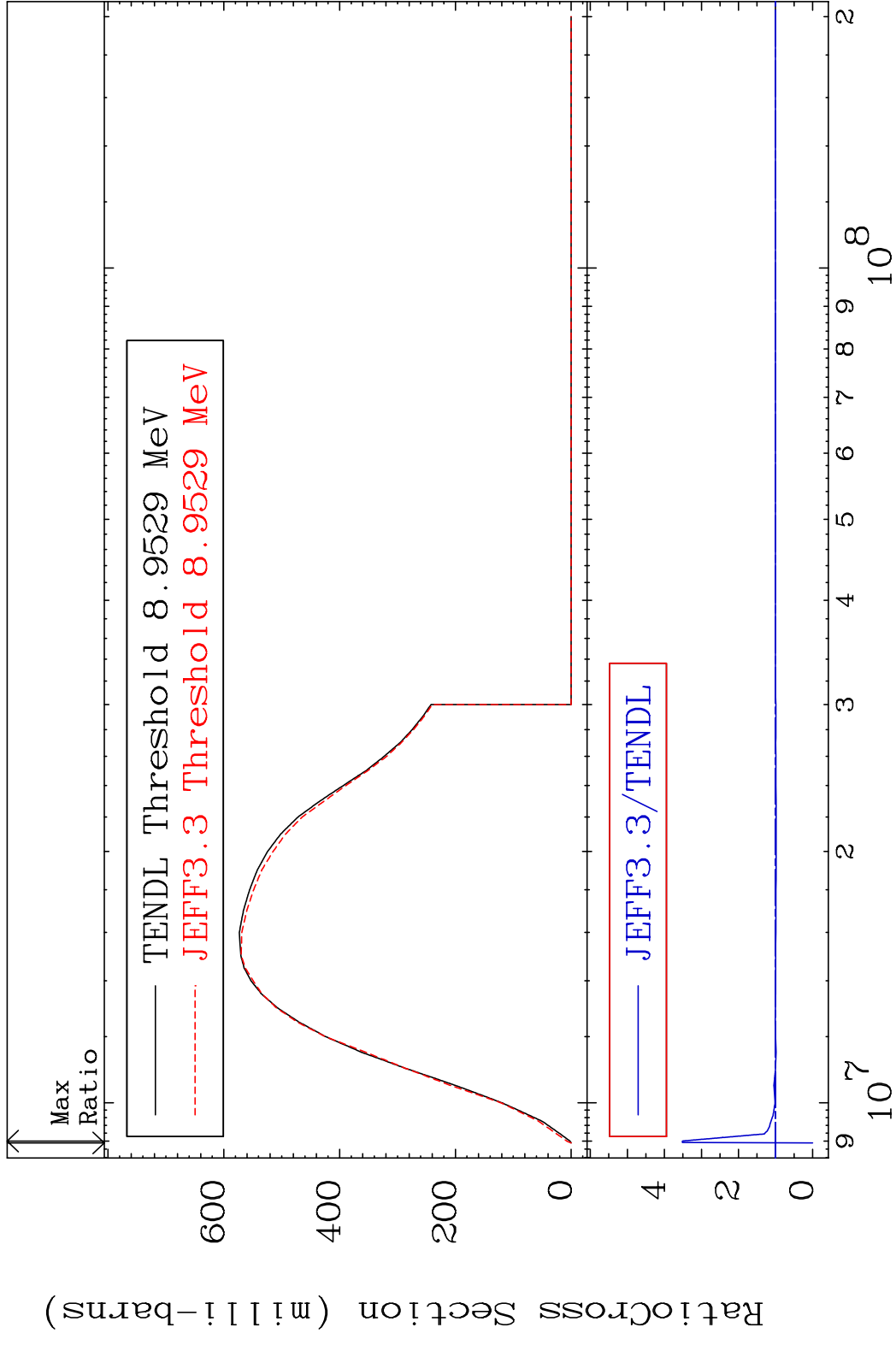


MAT 2128 Dpa disappearance (mt102 -120) 21-Sc-46
 Cross Section -99.06 To 9999. %

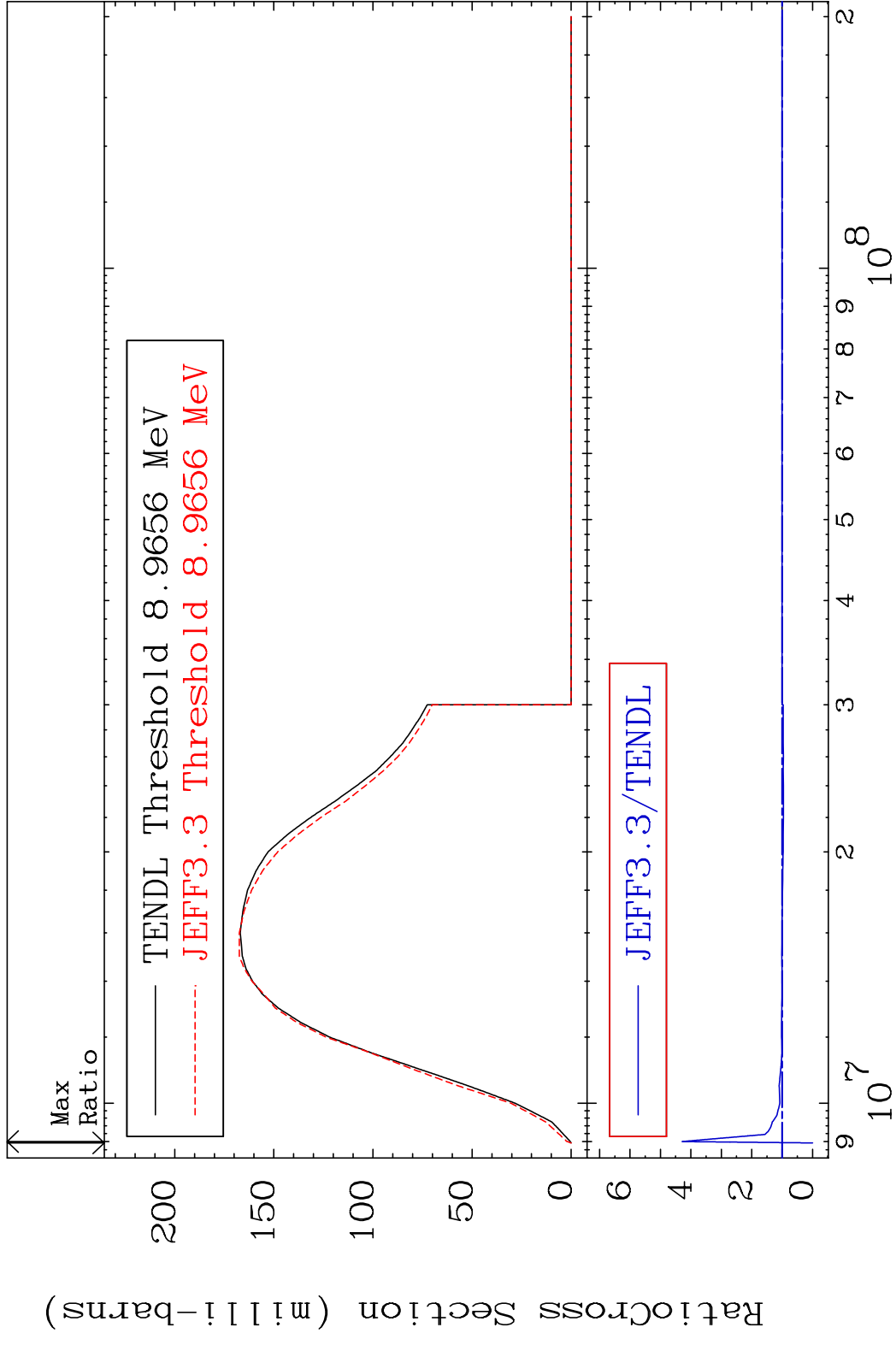




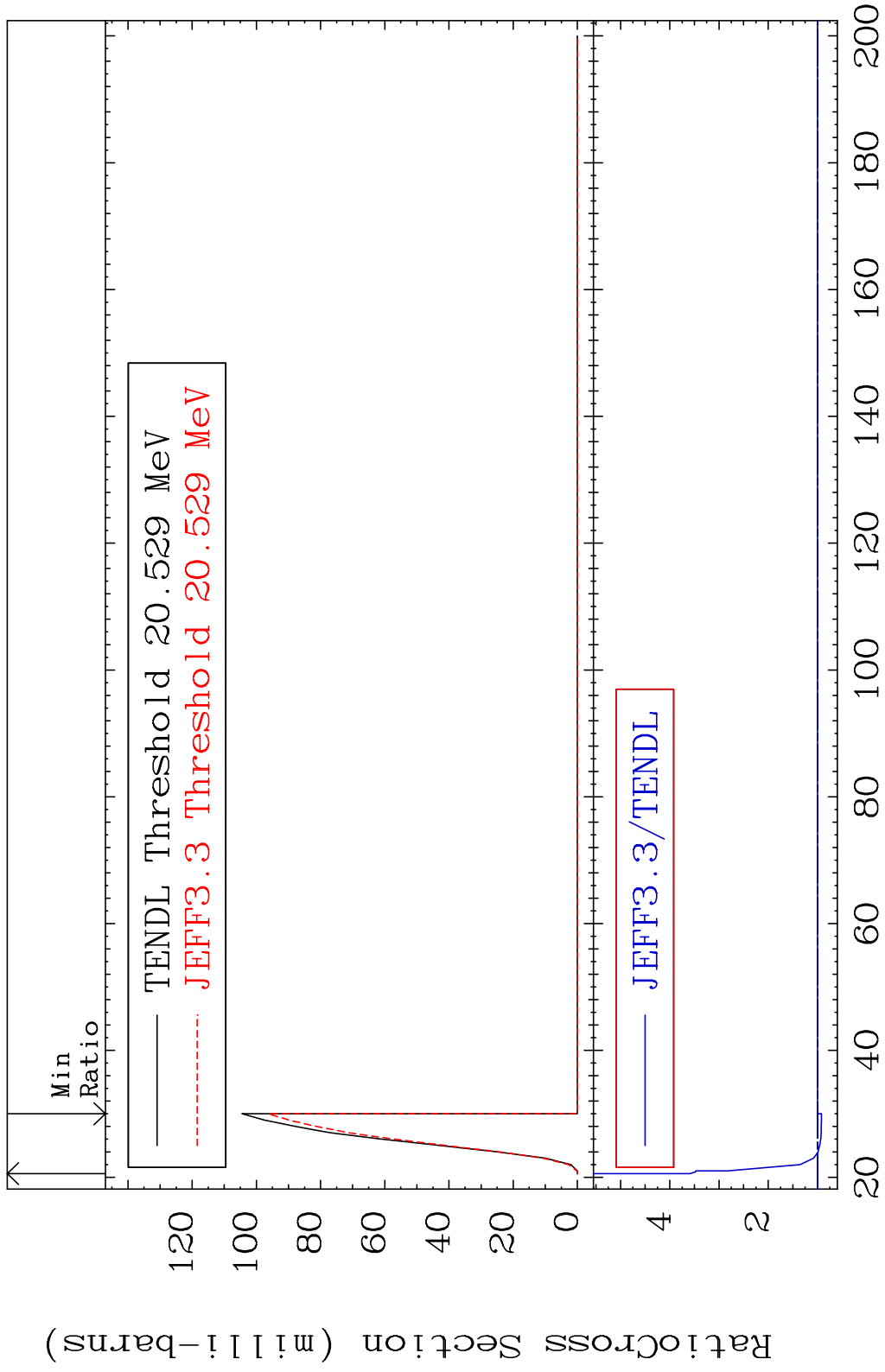




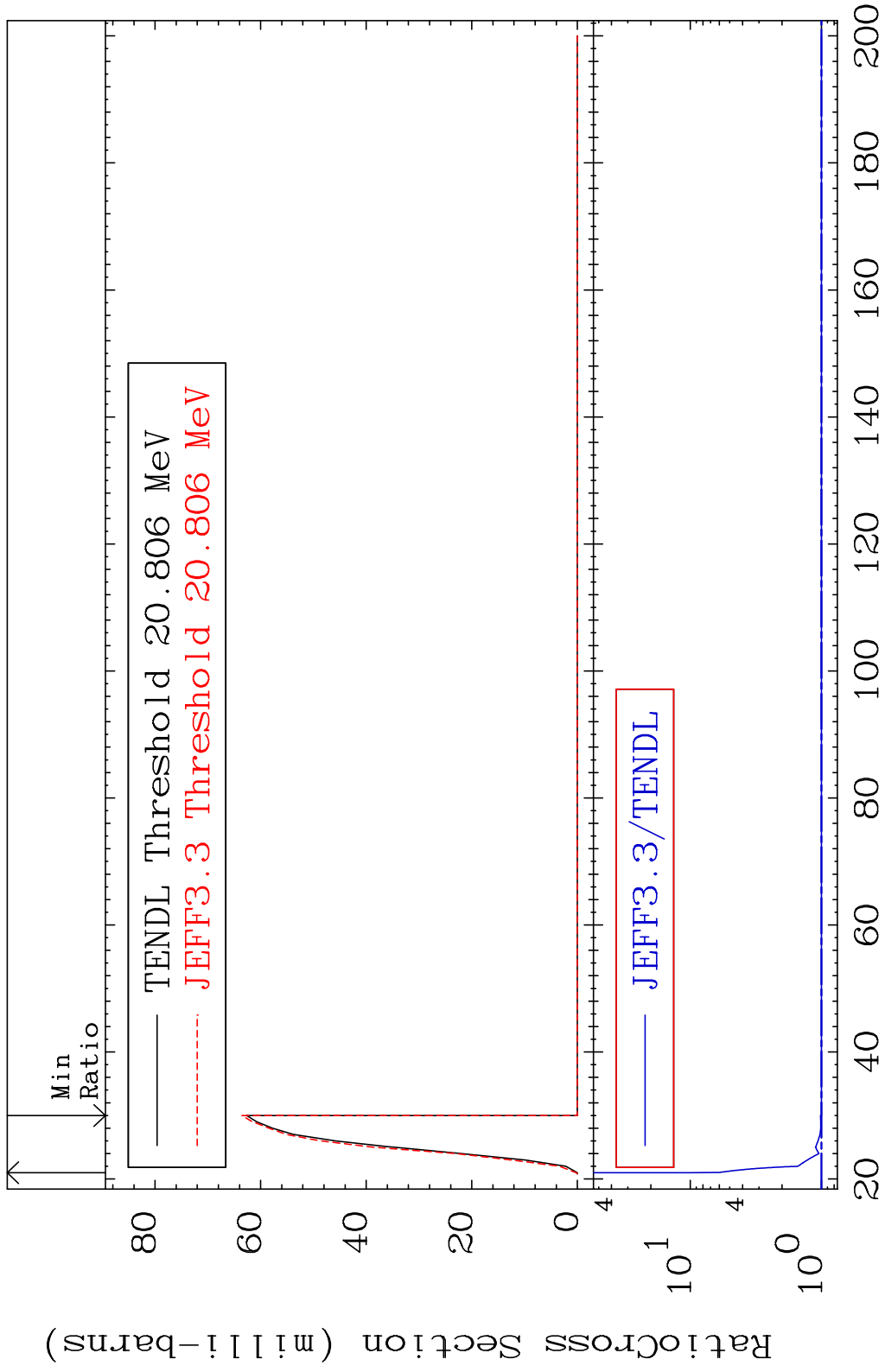
MAT 2128 (n,2n):21-Sc-45m1 21-Sc-46
 Radionuclide Production Cross Section Ratio 327.9 %



80 Incident Energy (eV) 21-Sc-46



MAT 2128 (n,3n):21-Sc-44m4 21-Sc-46
 Radionuclide Production Cross Section 910.3 %



82 Incident Energy (MeV) 21-Sc-46

