

Program Complot
(Version 2021-1)

by

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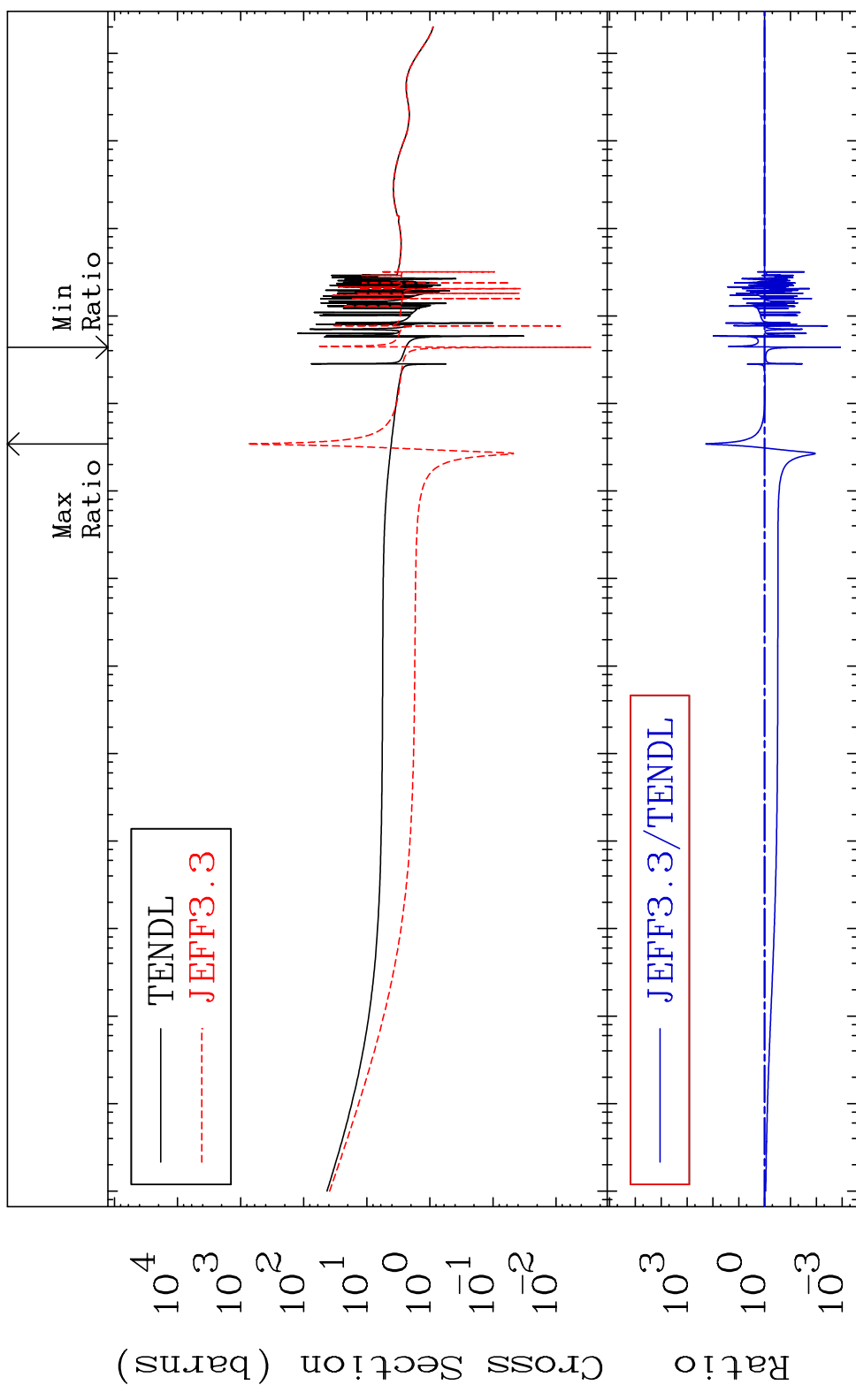
Press Mouse Button to Start

MAT 2043

Total

20-Ca-46

Cross Section -99.88 To 9999. %



Incident Energy (eV)

1

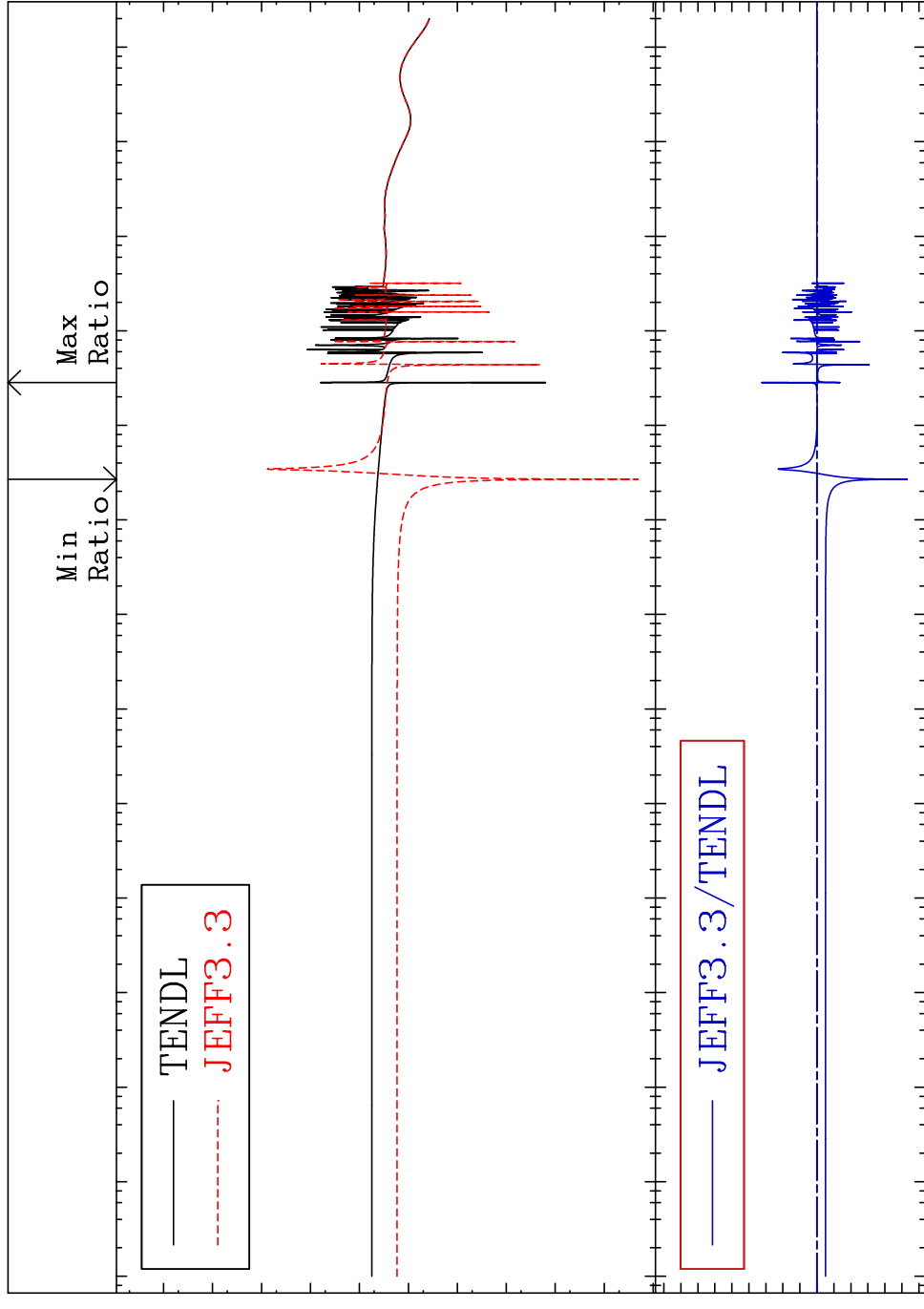
20-Ca-46

MAT 2043

20-Ca-46

Elastic

Cross Section -100.0 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

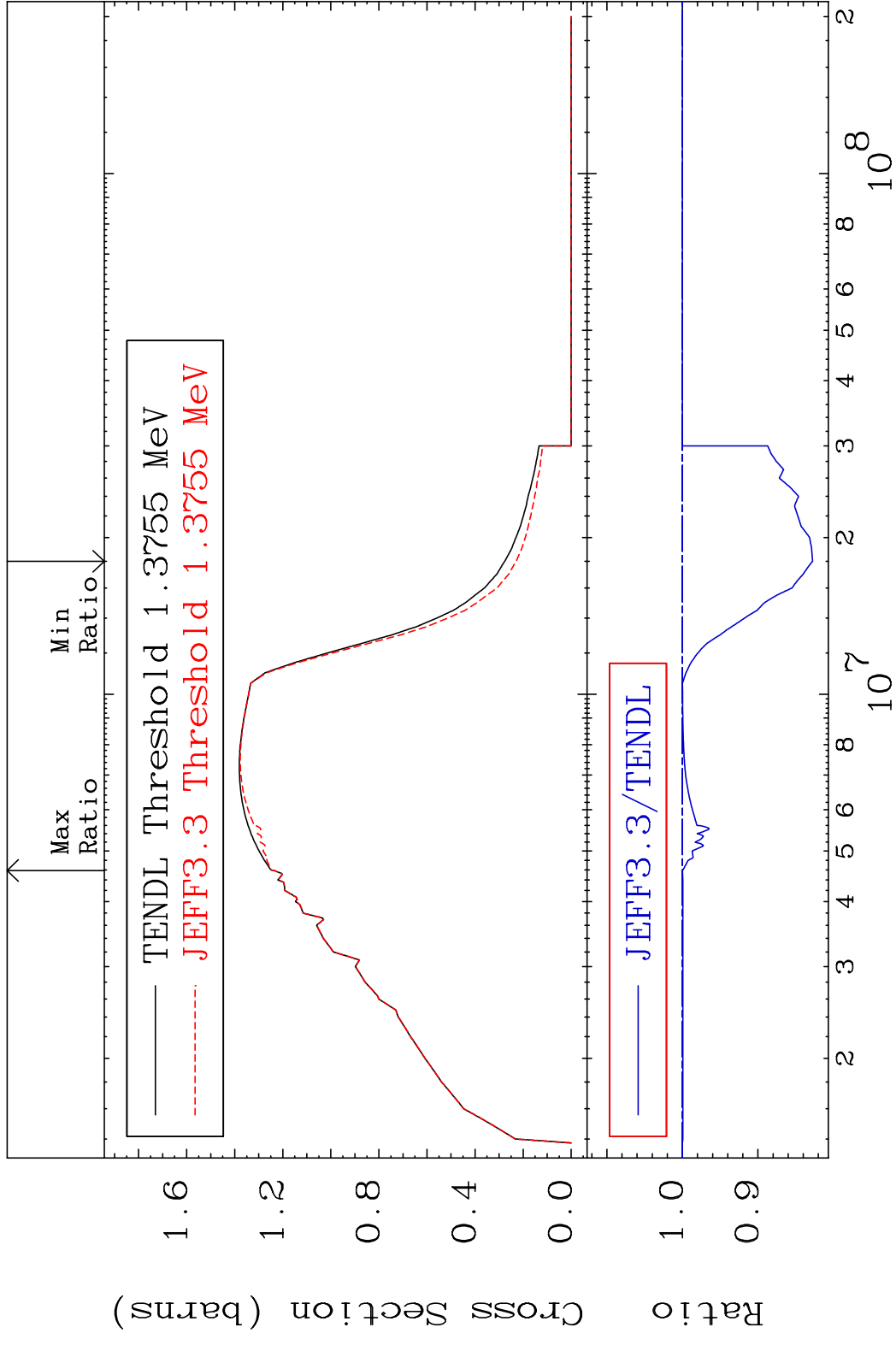
2

Incident Energy (eV)

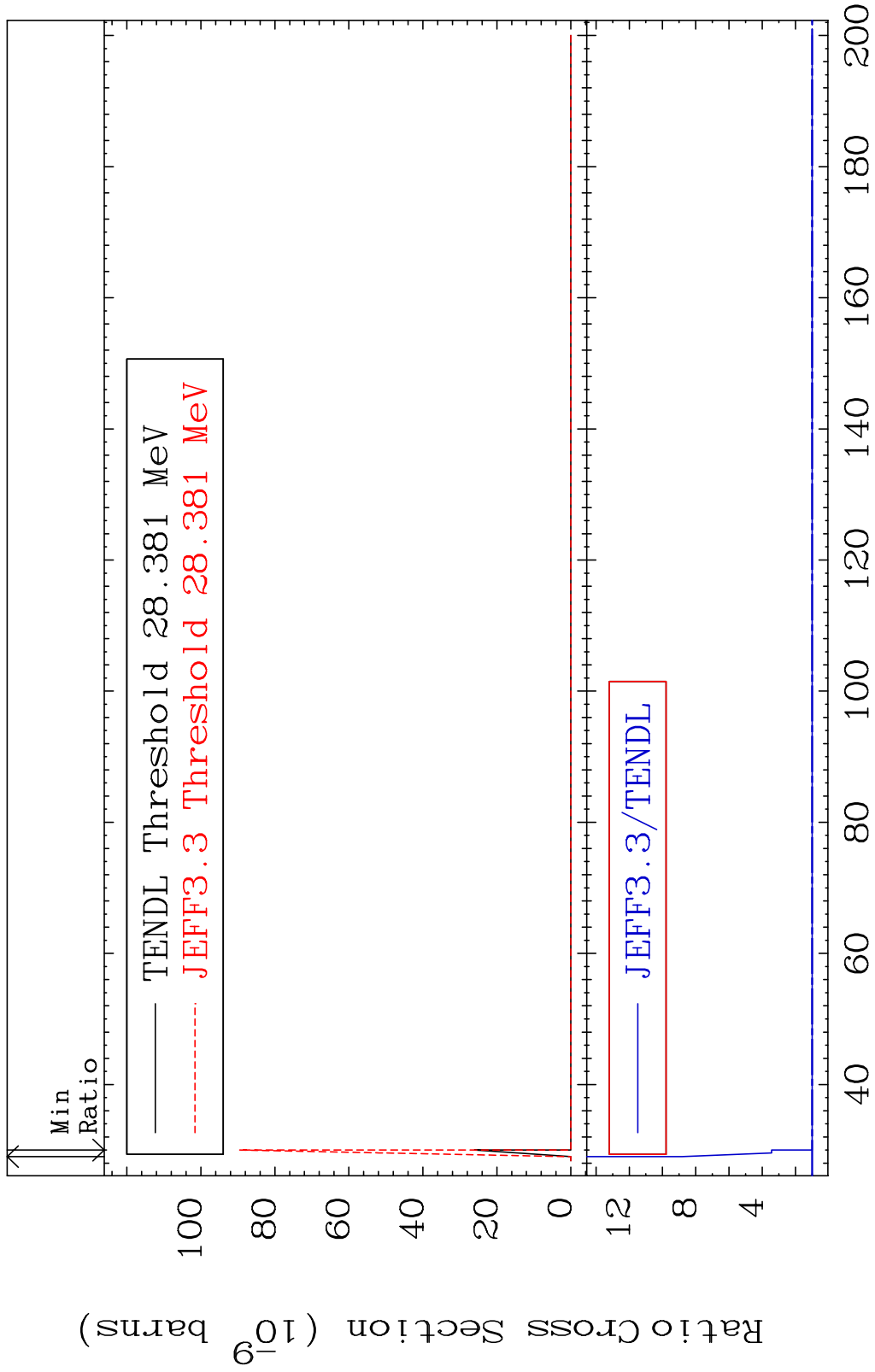
20-Ca-46

MAT 2043

Inelastic
Cross Section -17.22 To 0.008 %
20-Ca-46

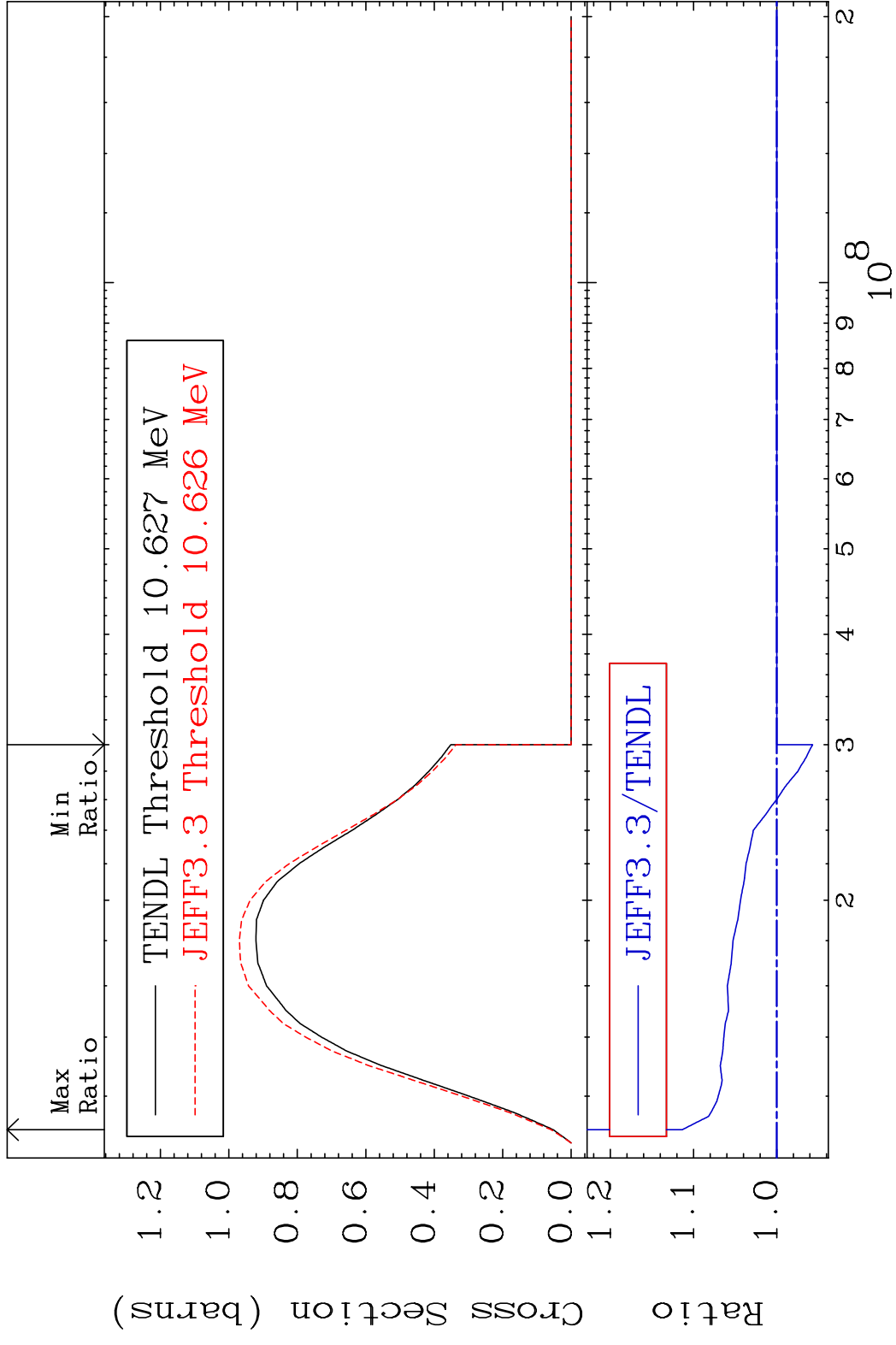


MAT 2043 (n,2n) d 20-Ca-46
Cross Section 0.000 To 782.8 %



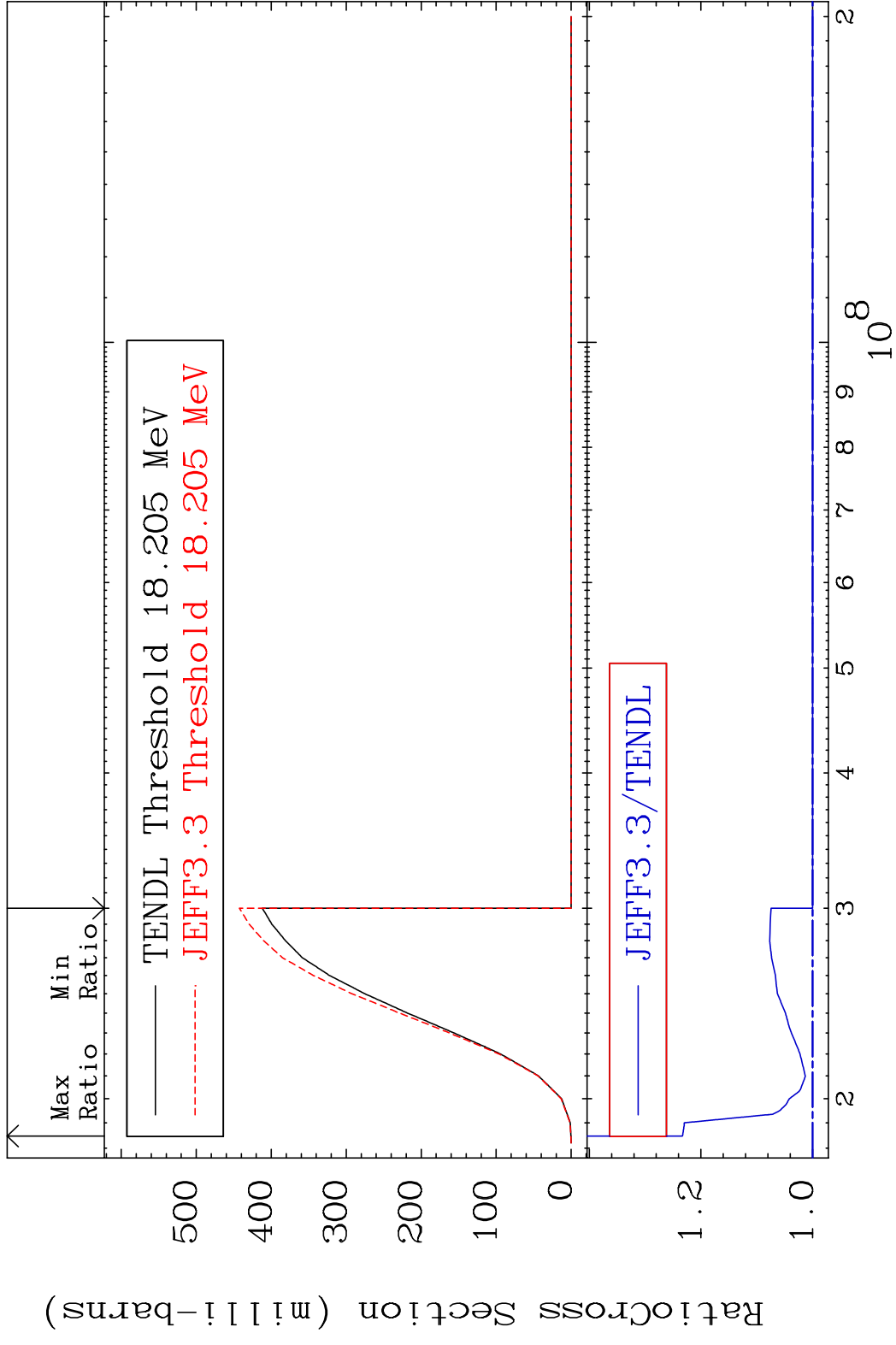
4 Incident Energy (MeV) 20-Ca-46

MAT 2043 (n,2n) 20-Ca-46
 Cross Section -4.310 To 11.35 %

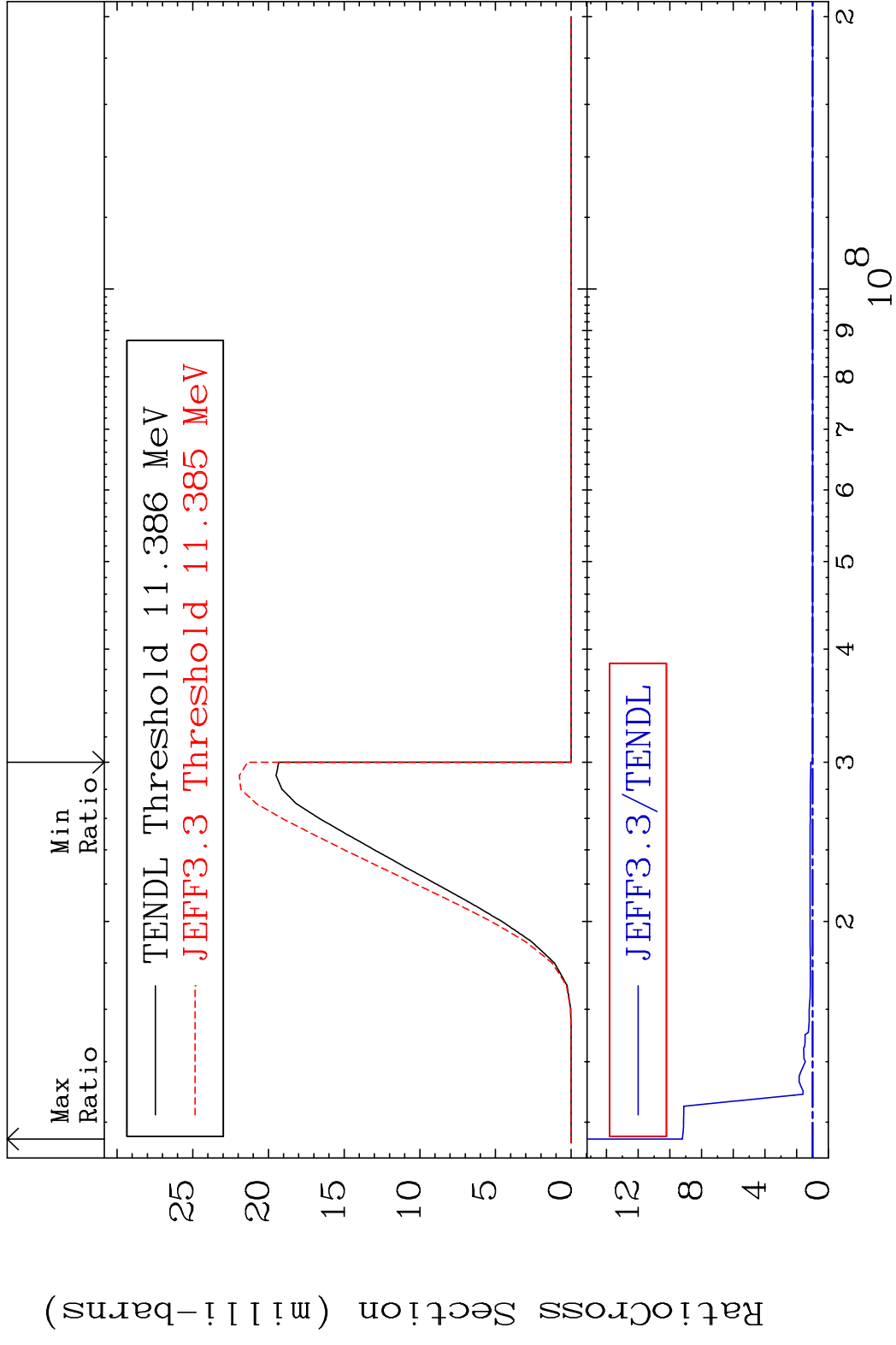


5 Incident Energy (eV) 20-Ca-46

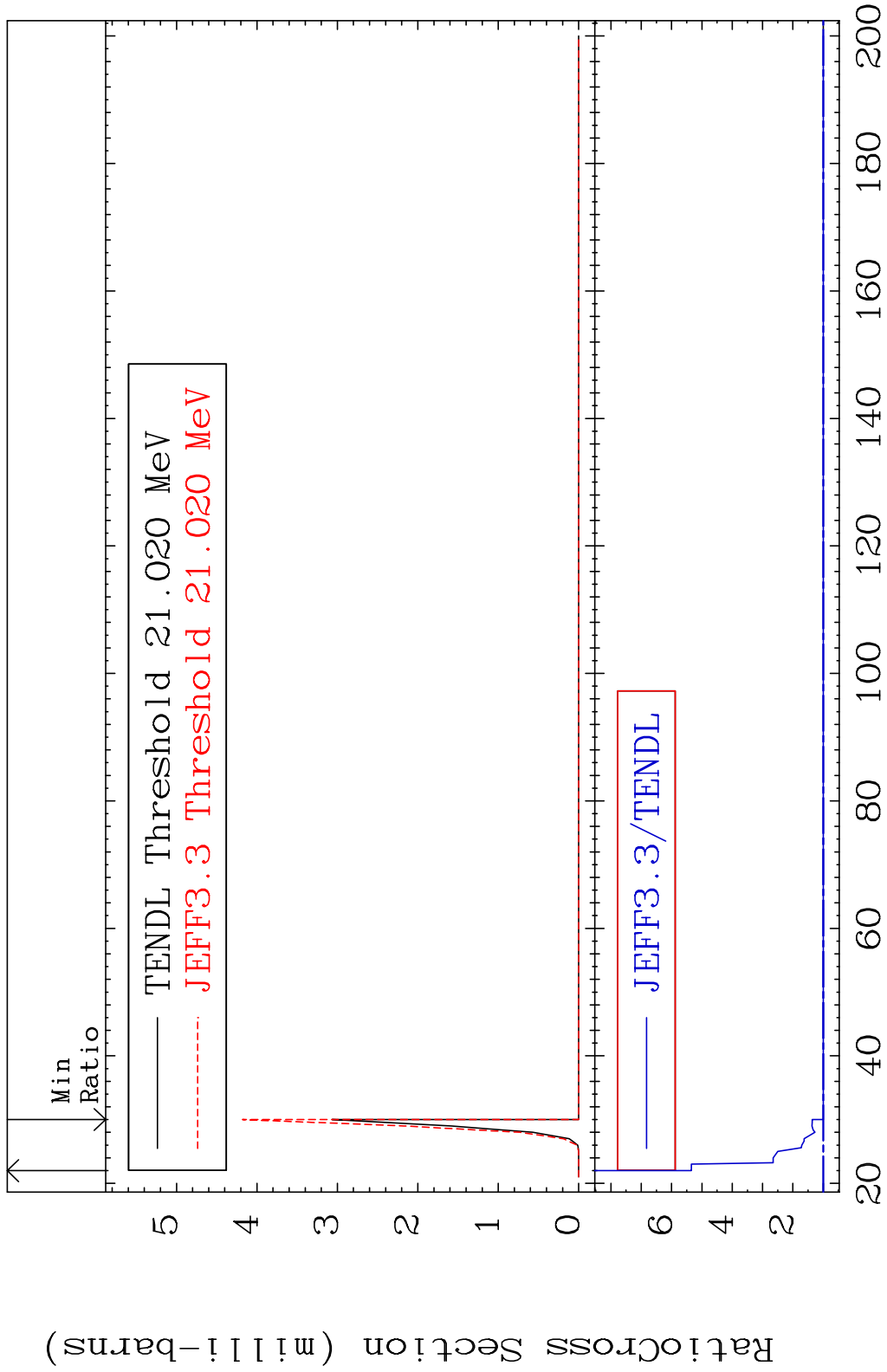
MAT 2043 (n,3n) 20-Ca-46
 Cross Section 0.000 To 23.33 %



MAT 2043 $(n, n') \alpha$ 20-Ca-46
 Cross Section 0.000 To 821.6 %



MAT 2043 (n,2n) α 20-Ca-46
 Cross Section 0.000 To 434.9 %

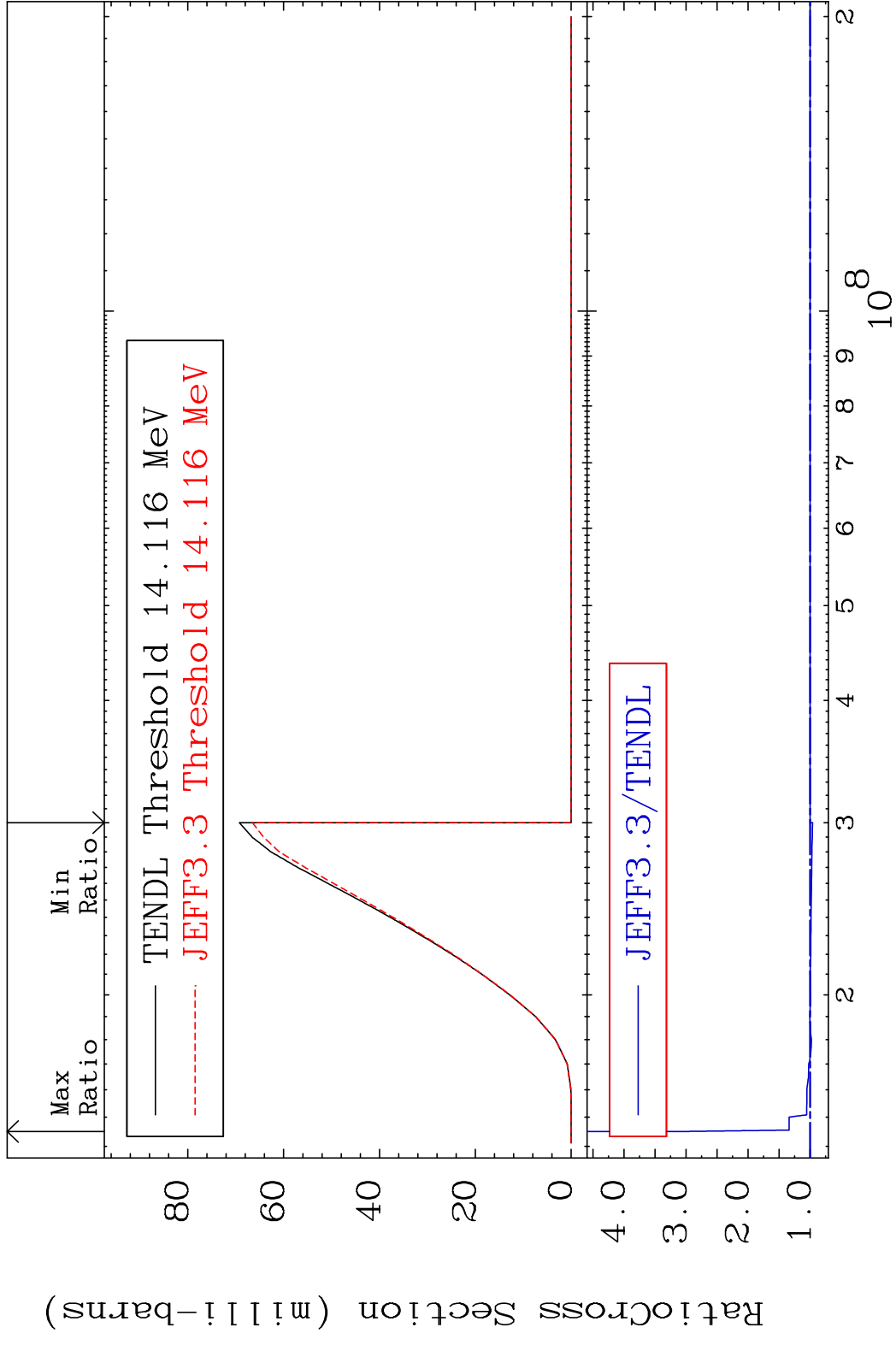


MAT 2043

(n, n') p

20-Ca-46

Cross Section -3.938 To 206.1 %



9

Incident Energy (eV)

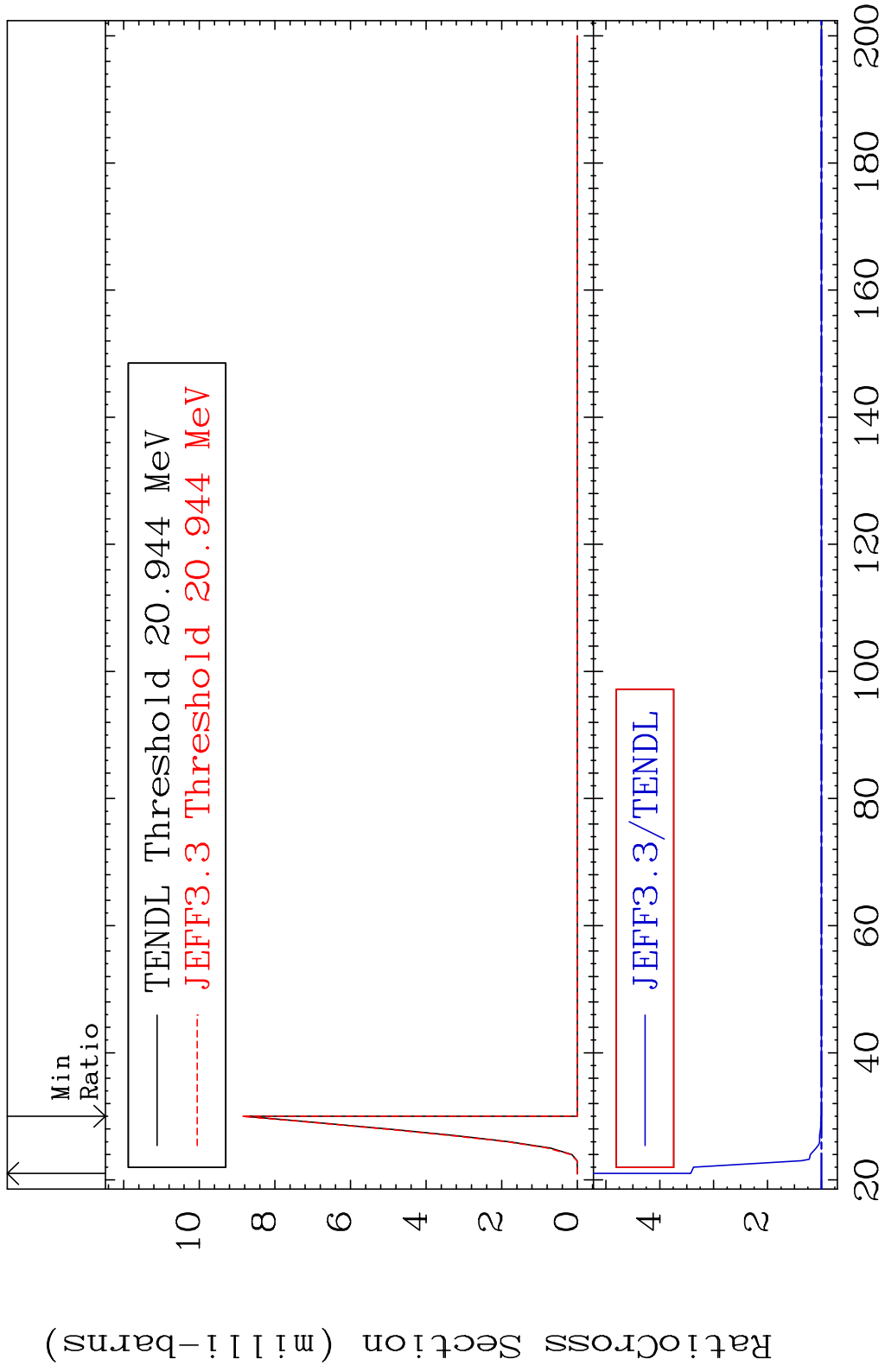
20-Ca-46

MAT 2043

(n, n') d

20-Ca-46

Cross Section 0.000 To 244.3 %

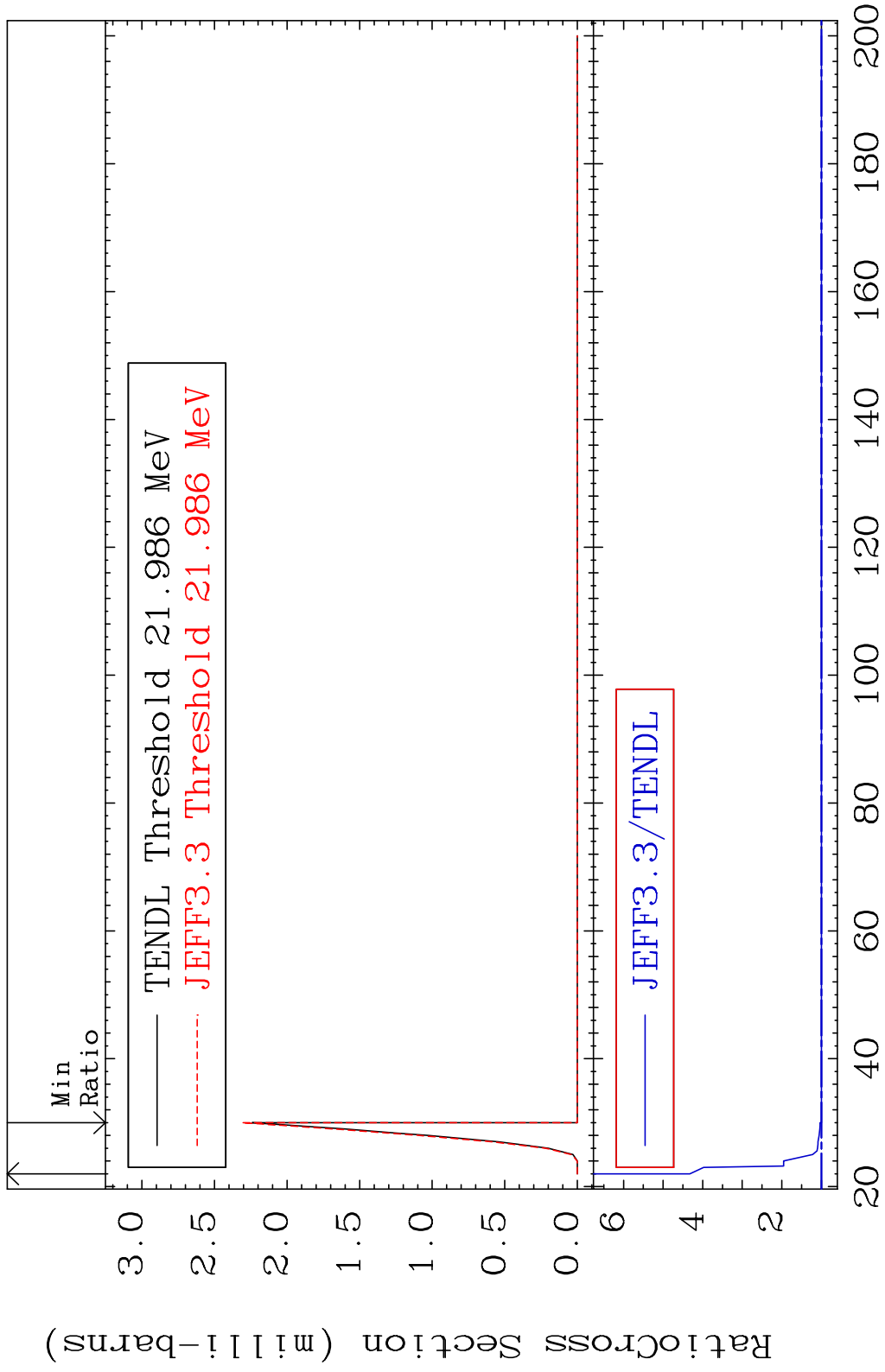


10

Incident Energy (MeV)

20-Ca-46

MAT 2043 (n, n') t 20-Ca-46
 Cross Section 0.000 To 332.6 %

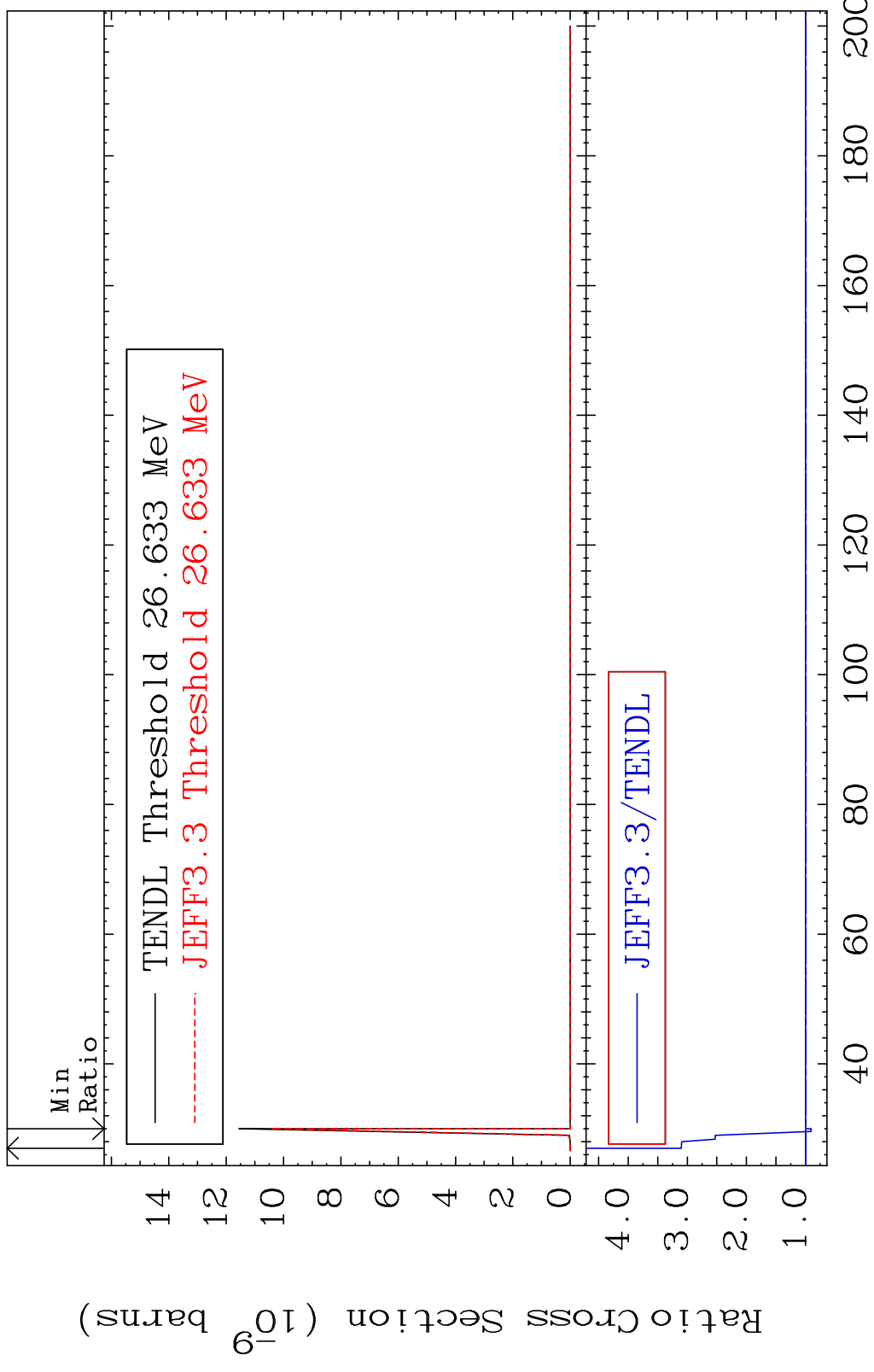


MAT 2043

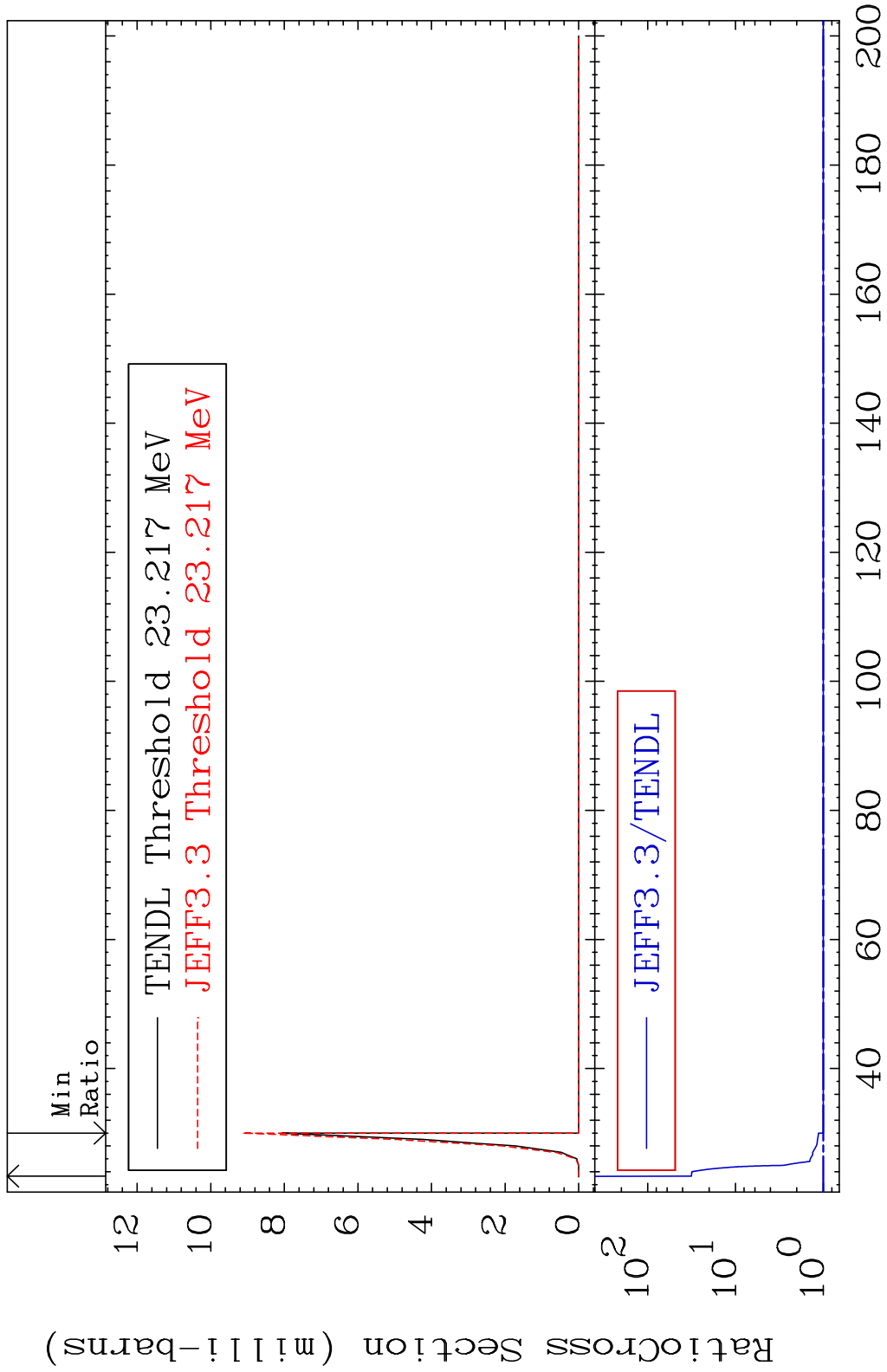
(n,n') He-3

20-Ca-46

Cross Section -9.699 To 210.3 %



MAT 2043 (n,2n) p 20-Ca-46
 Cross Section 0.000 To 3085. %

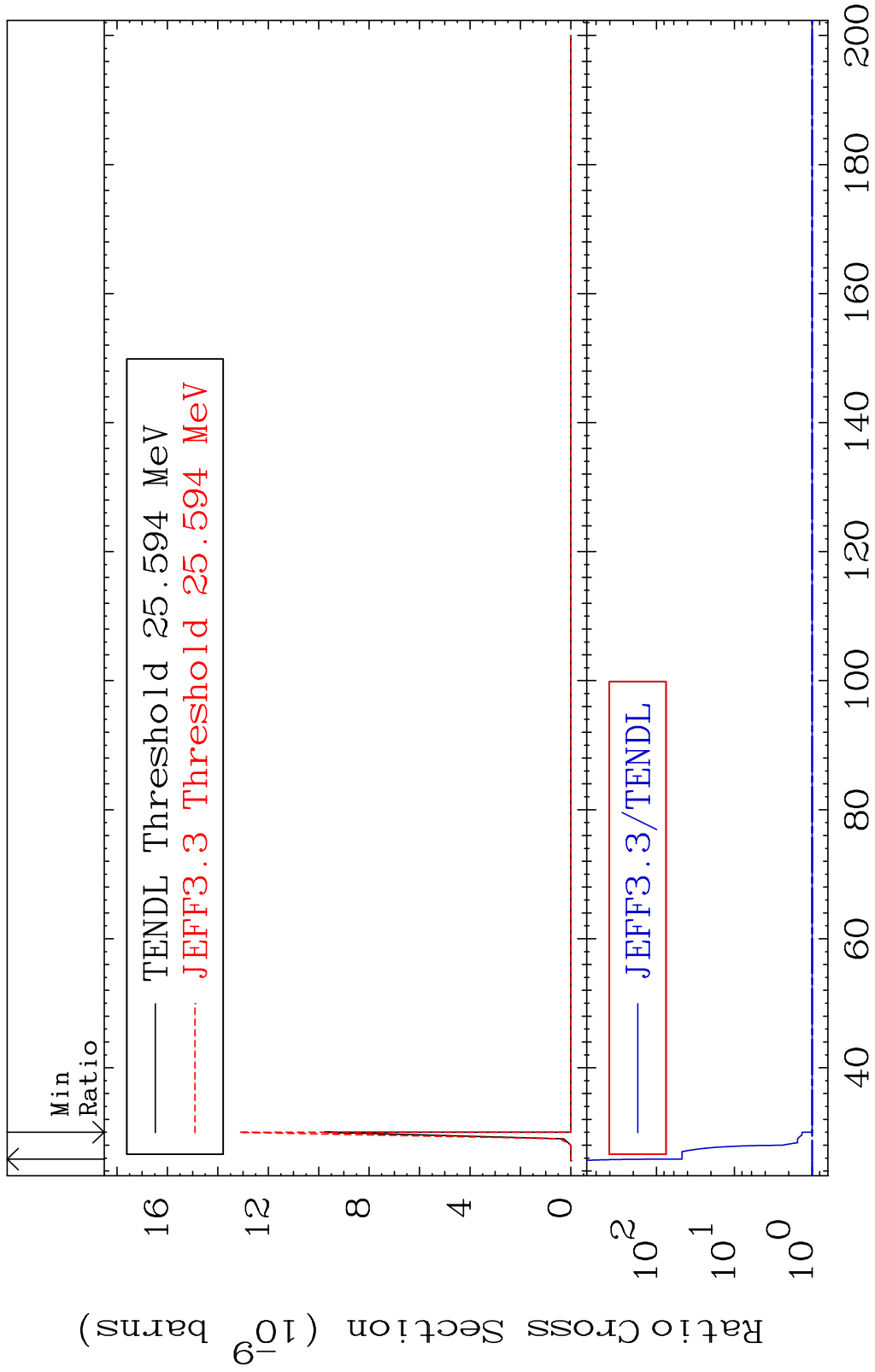


MAT 2043

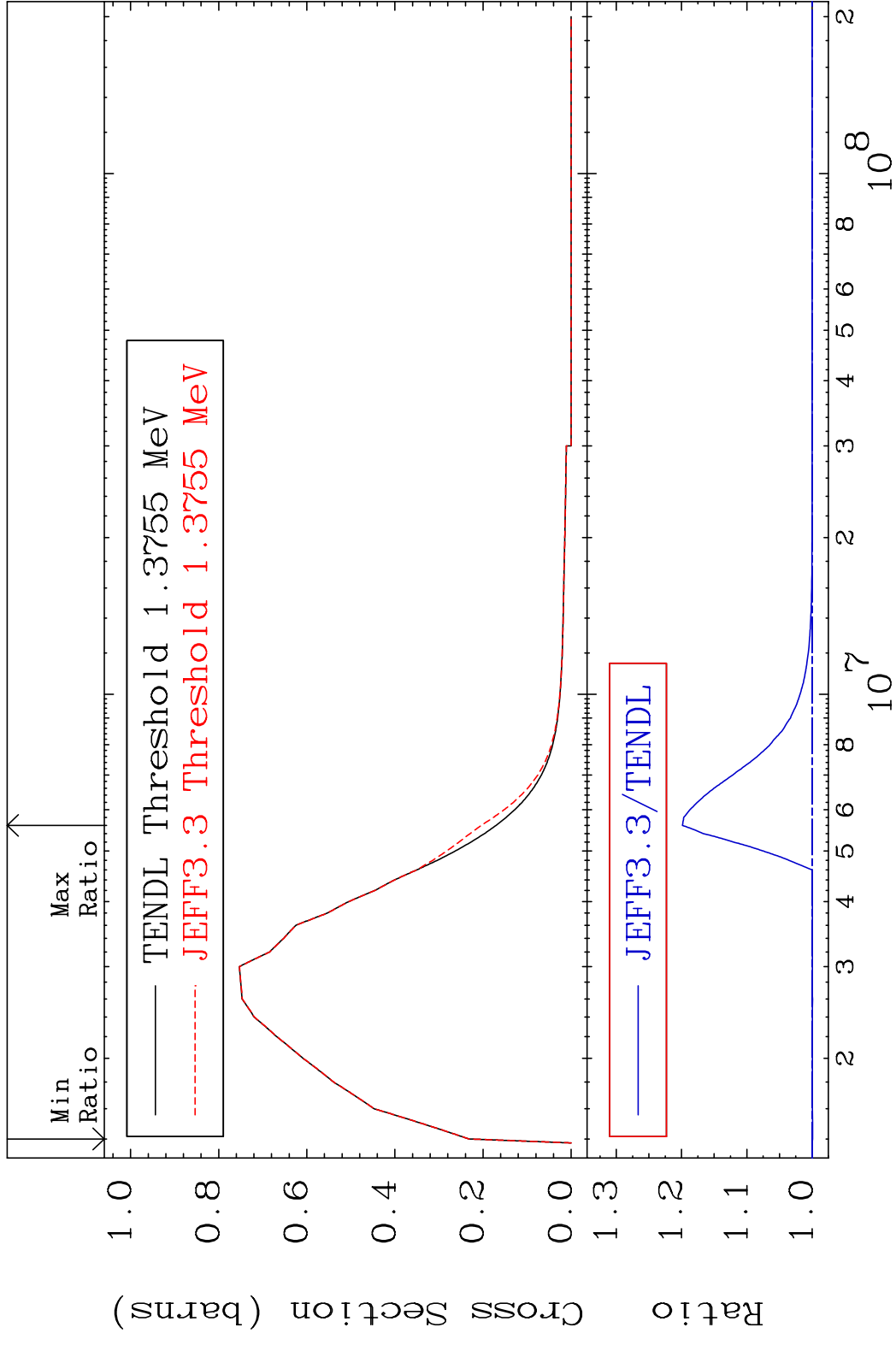
(n,2n) p

20-Ca-46

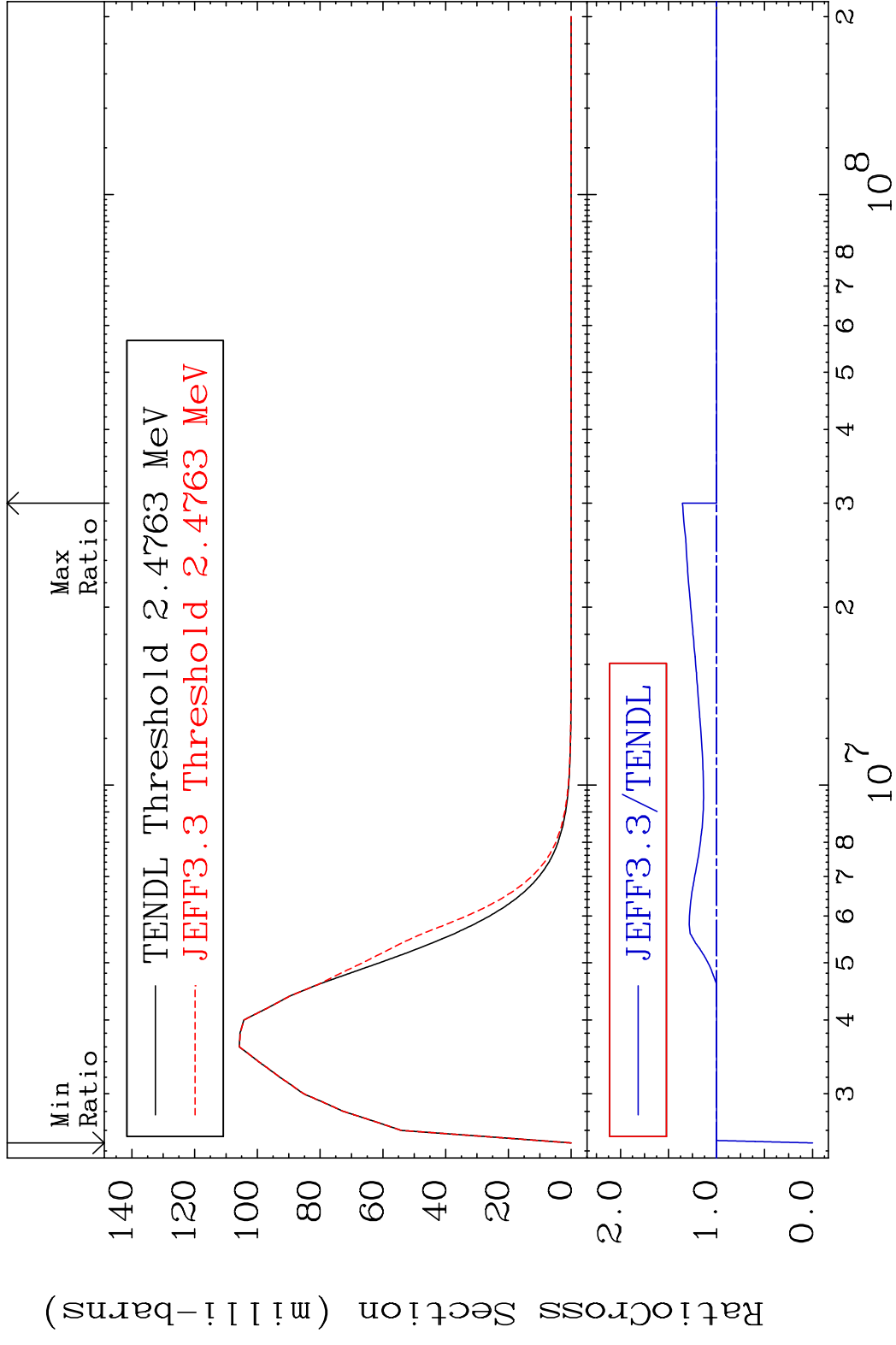
Cross Section 0.000 To 4614. %



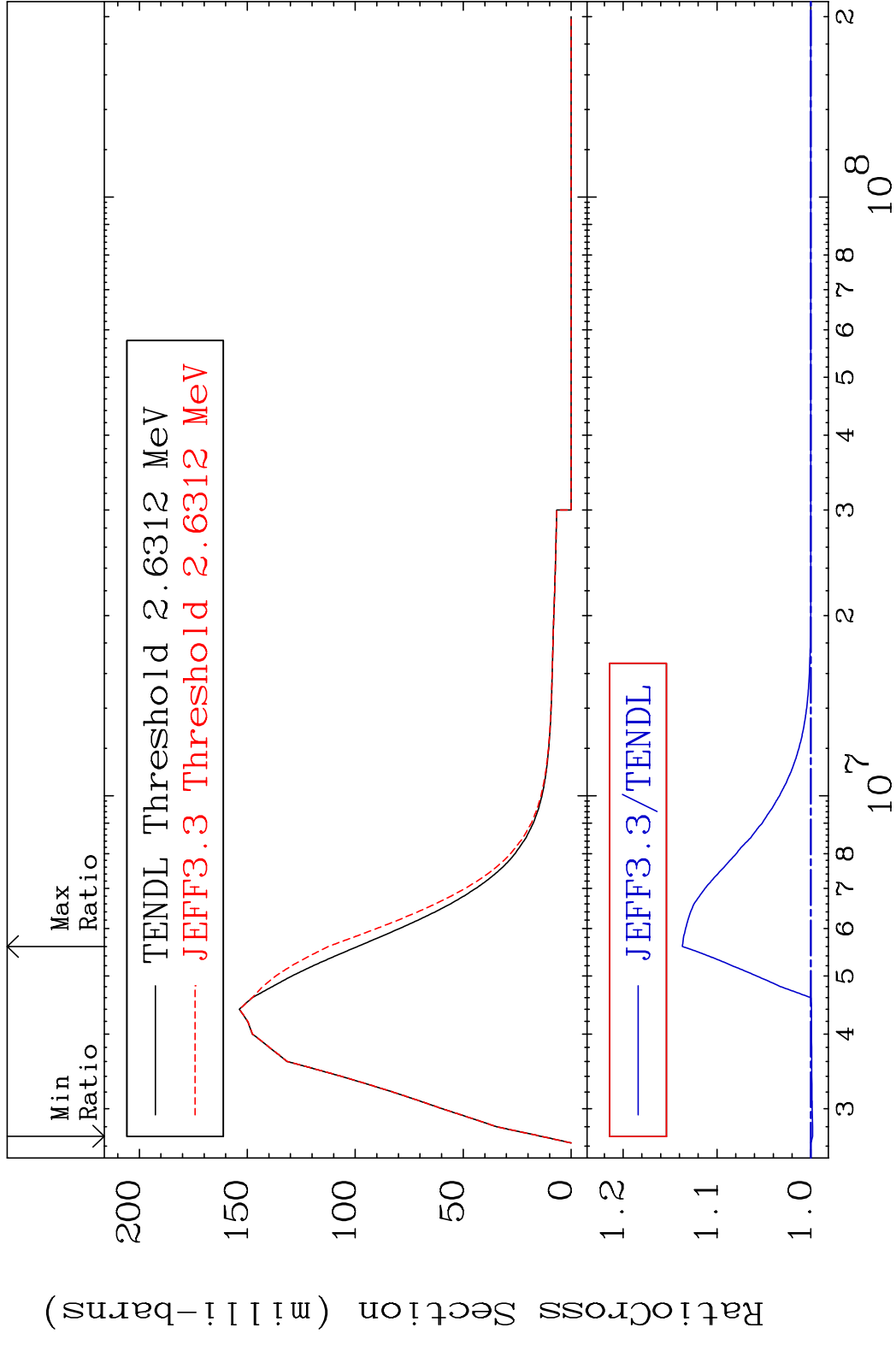
MAT 2043 MT= 51 (n, n') Level 20-Ca-46
 Cross Section -0.068 To 19.88 %



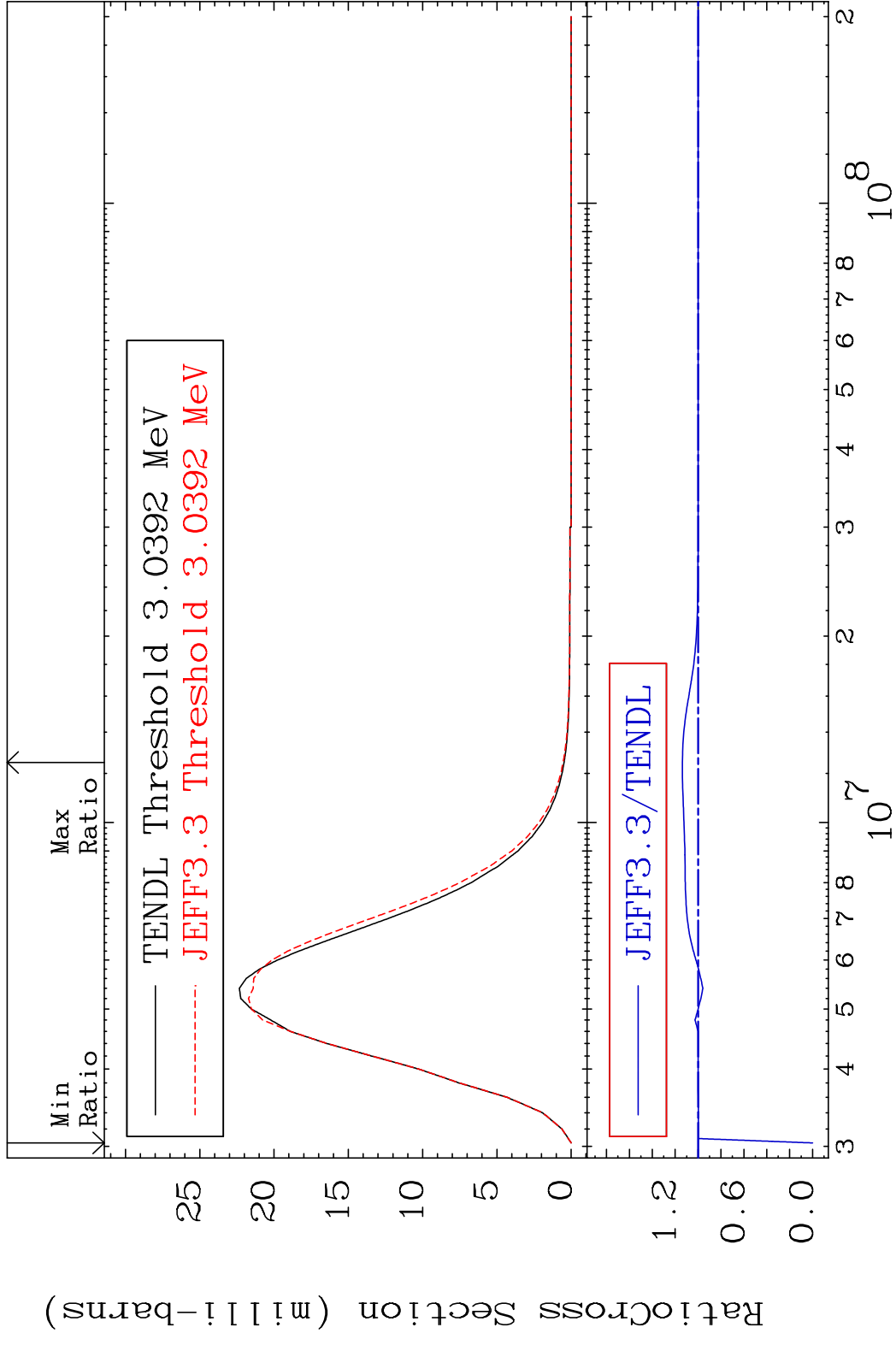
MAT 2043 MT= 52 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 35.59 %



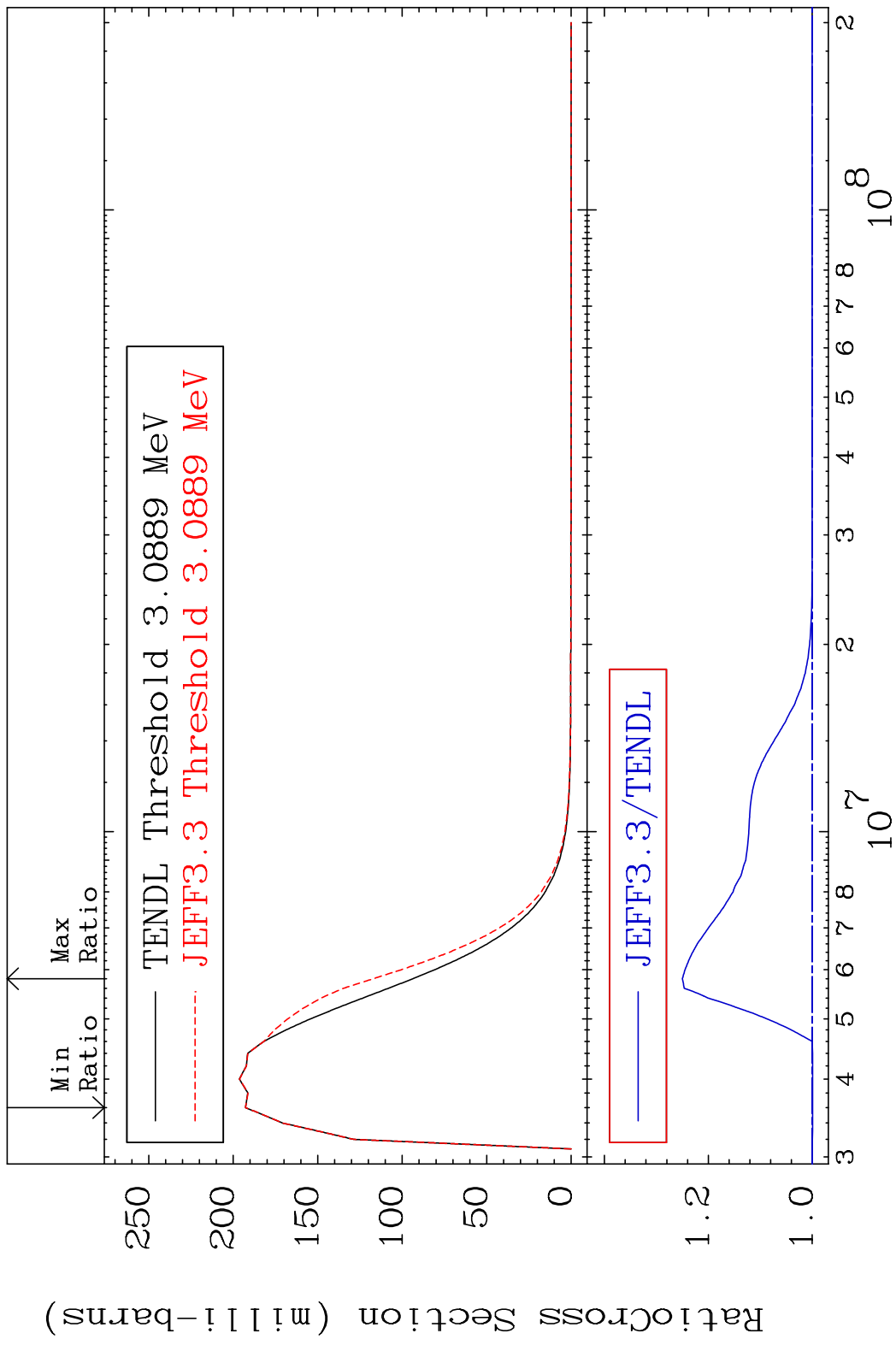
MAT 2043 MT= 53 (n, n') Level 20-Ca-46
 Cross Section -0.179 To 13.69 %



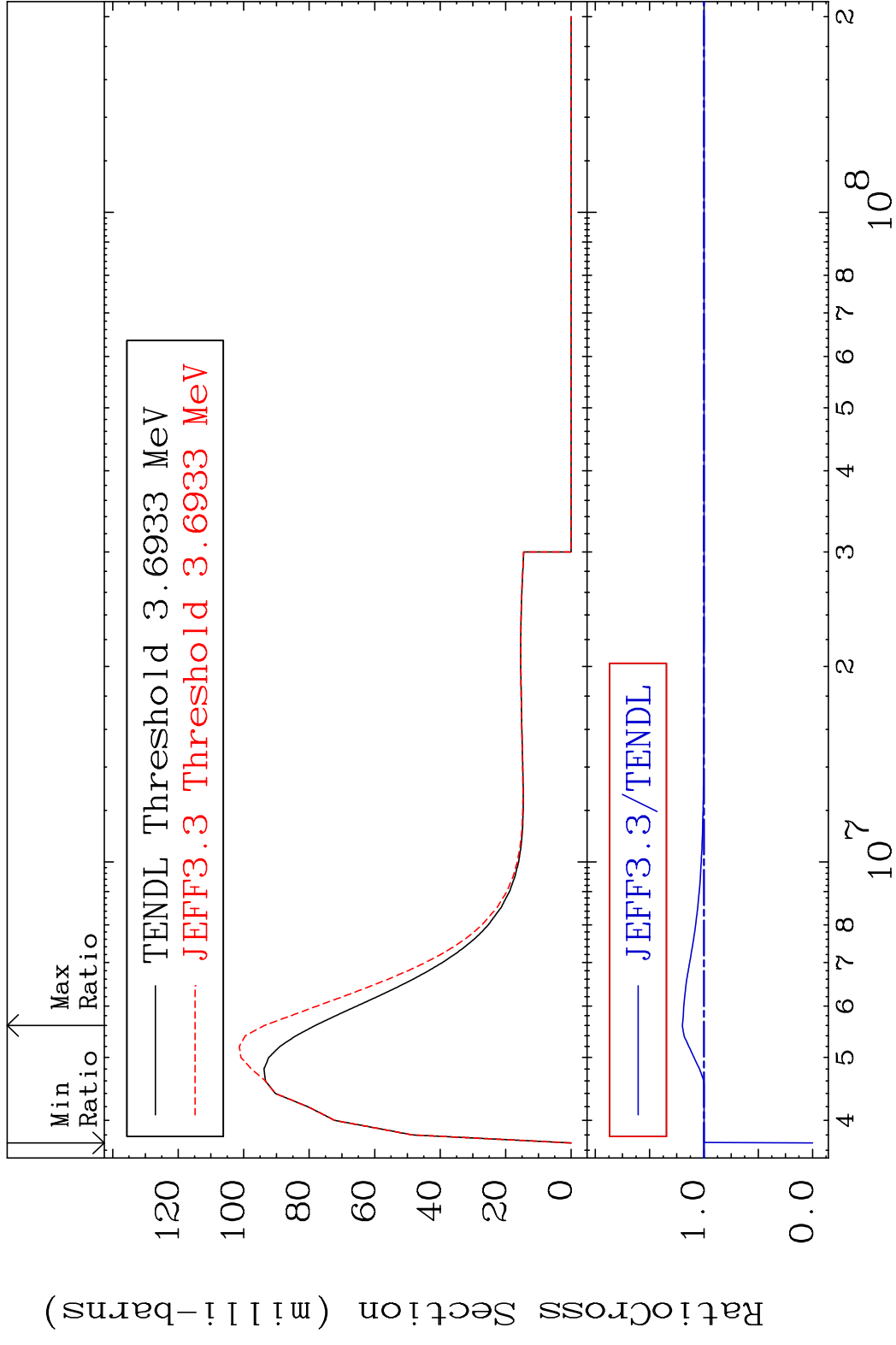
MAT 2043 MT= 54 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 13.74 %



MAT 2043 MT= 55 (n,n') Level 20-Ca-46
 Cross Section -0.060 To 25.00 %

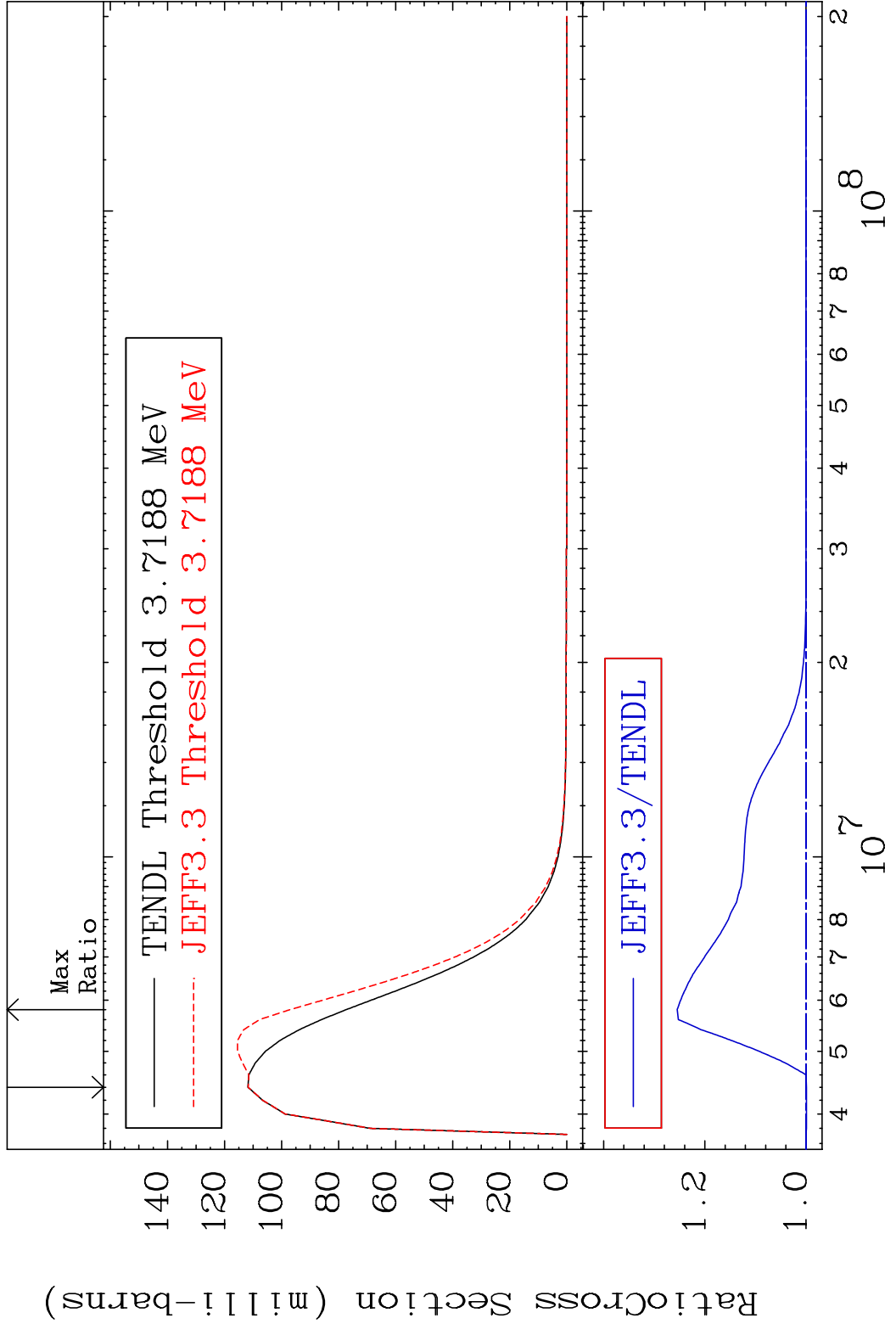


MAT 2043 MT= 56 (n,n') Level 20-Ca-46
 Cross Section -100.0 To 19.88 %

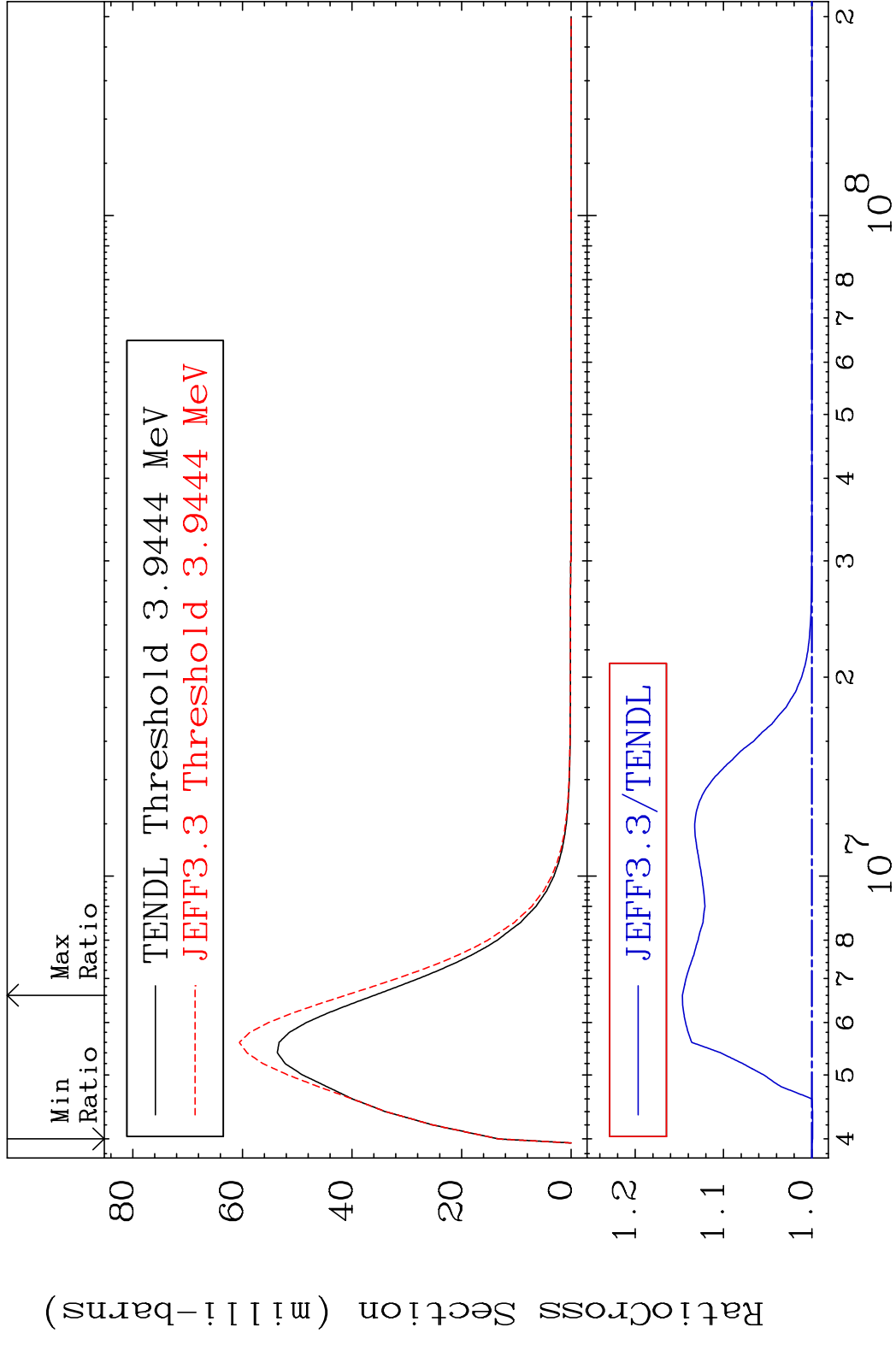


20 Incident Energy (eV) 20-Ca-46

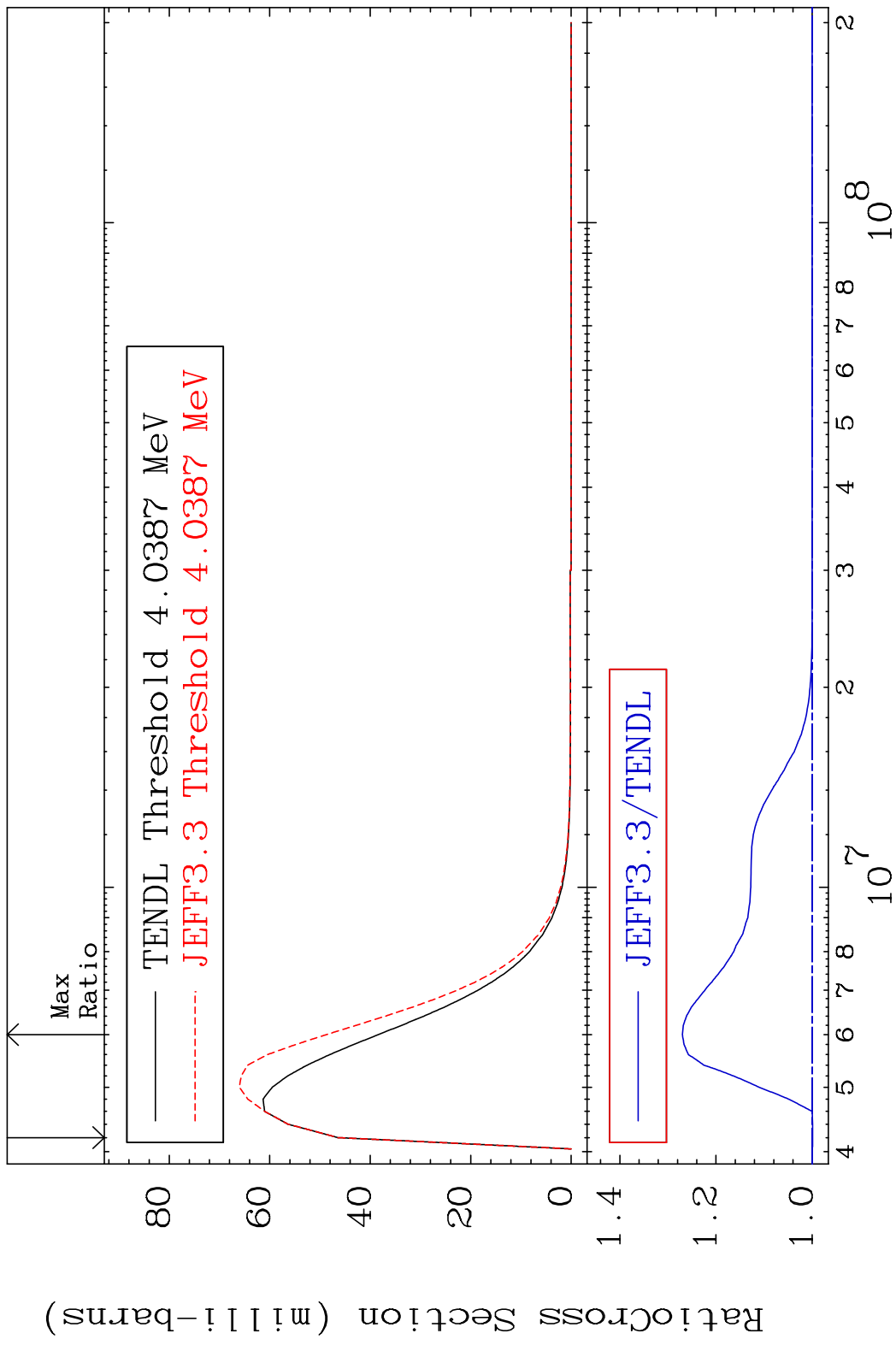
MAT 2043 MT= 57 (n,n') Level 20-Ca-46
 Cross Section -0.057 To 25.47 %



MAT 2043 MT= 58 (n, n') Level 20-Ca-46
 Cross Section -0.082 To 14.67 %

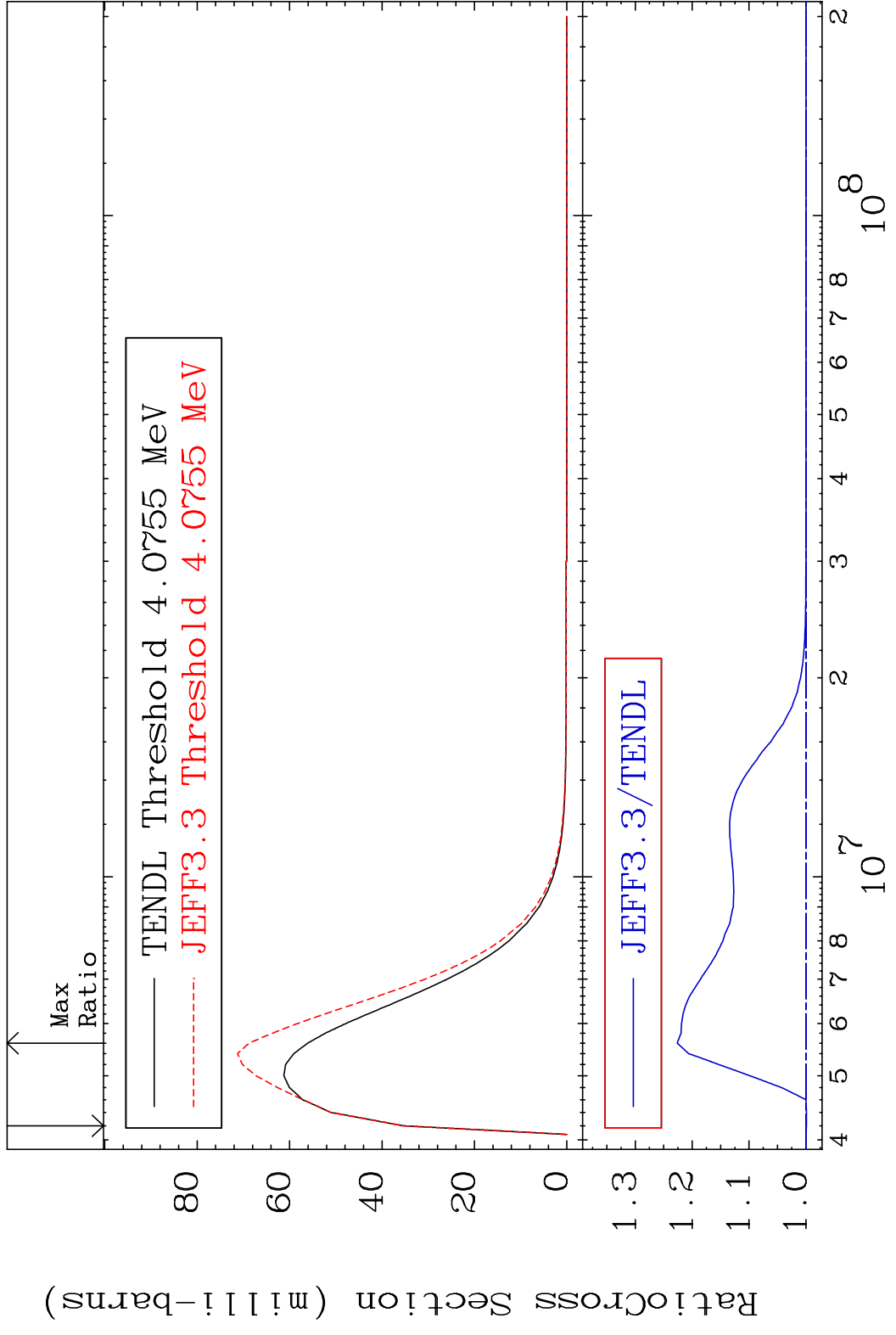


MAT 2043 MT= 59 (n, n') Level 20-Ca-46
 Cross Section -0.061 To 27.00 %

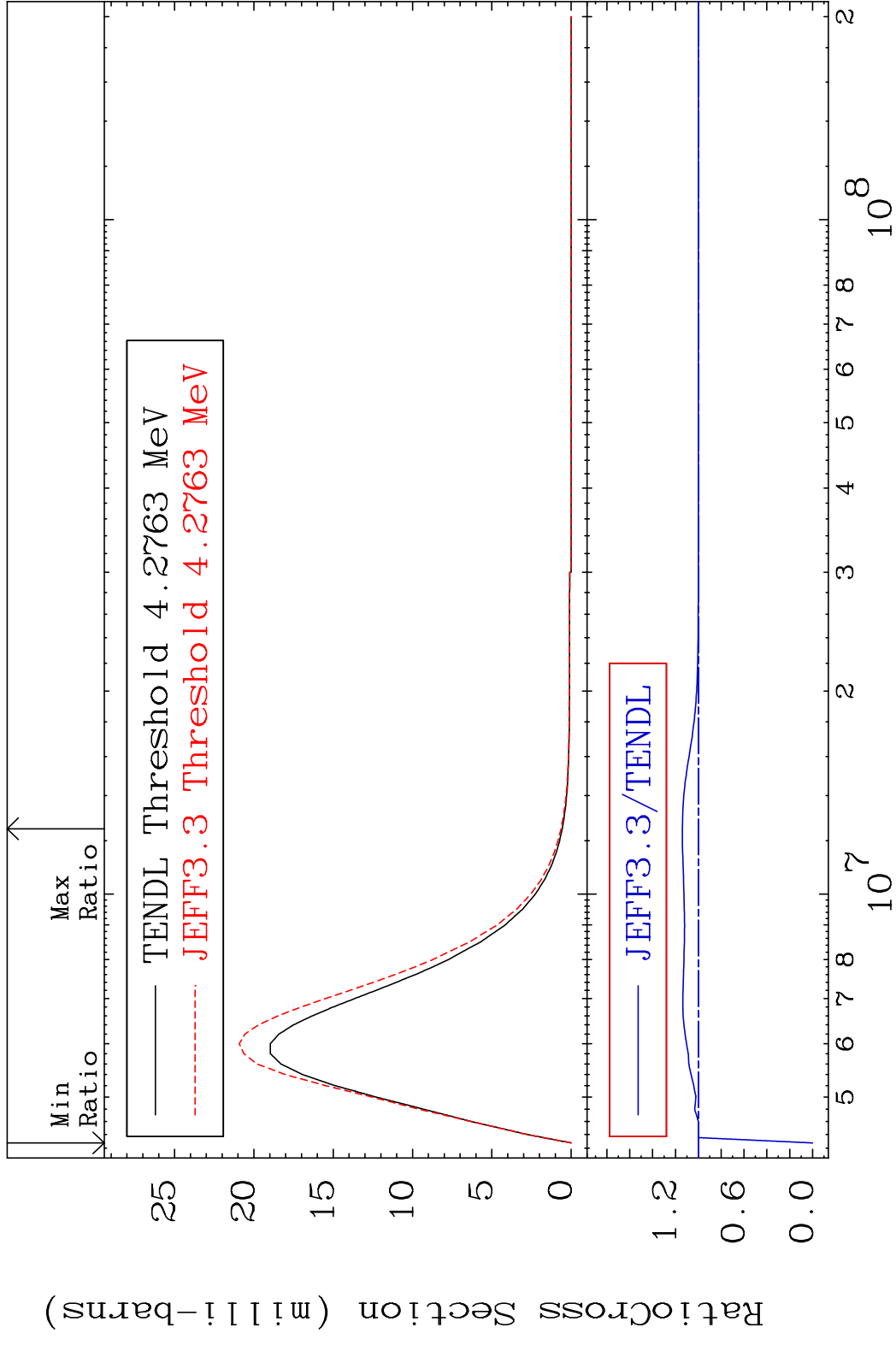


23 Incident Energy (eV) 20-Ca-46

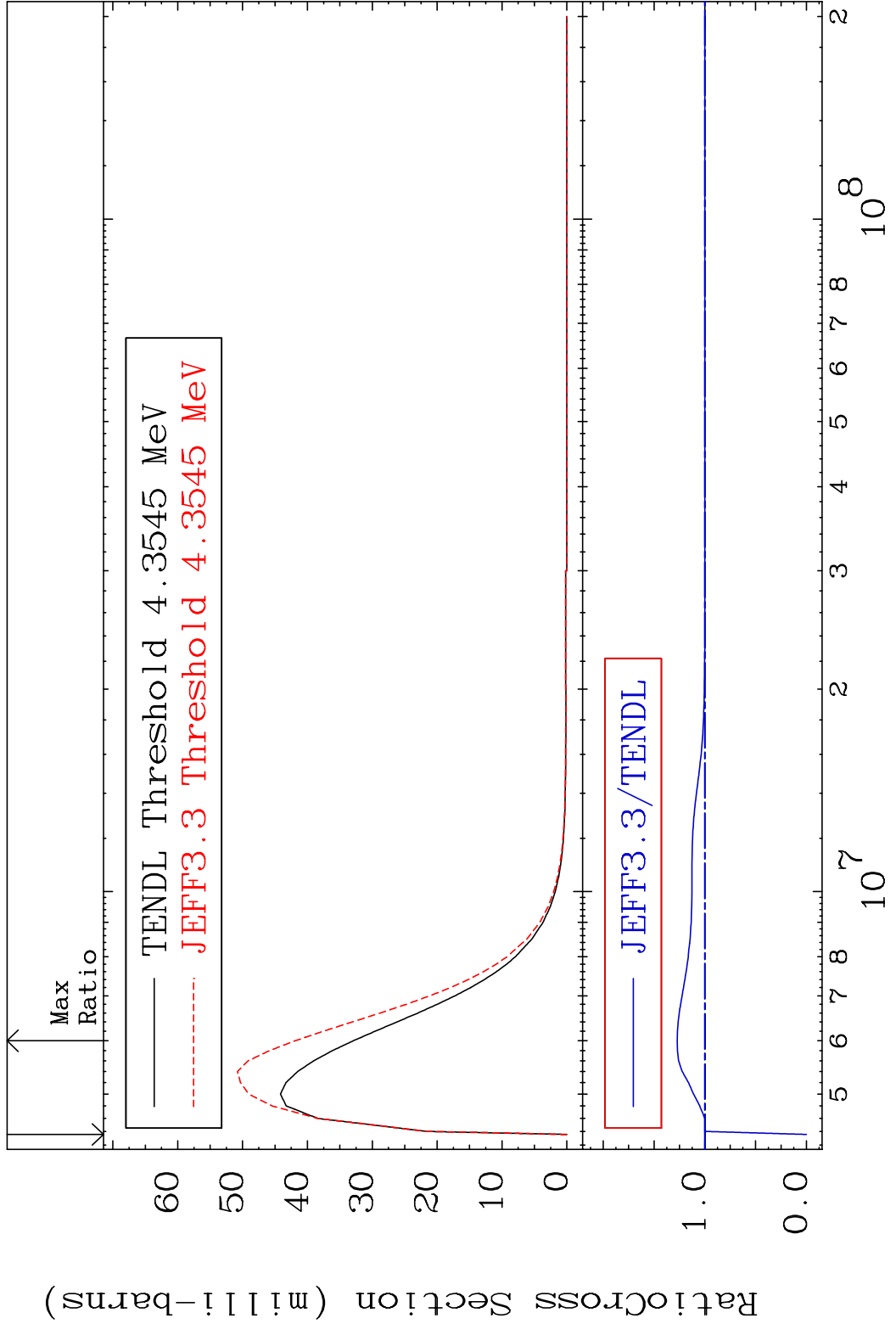
MAT 2043 MT= 60 (n, n') Level 20-Ca-46
 Cross Section -0.078 To 22.63 %



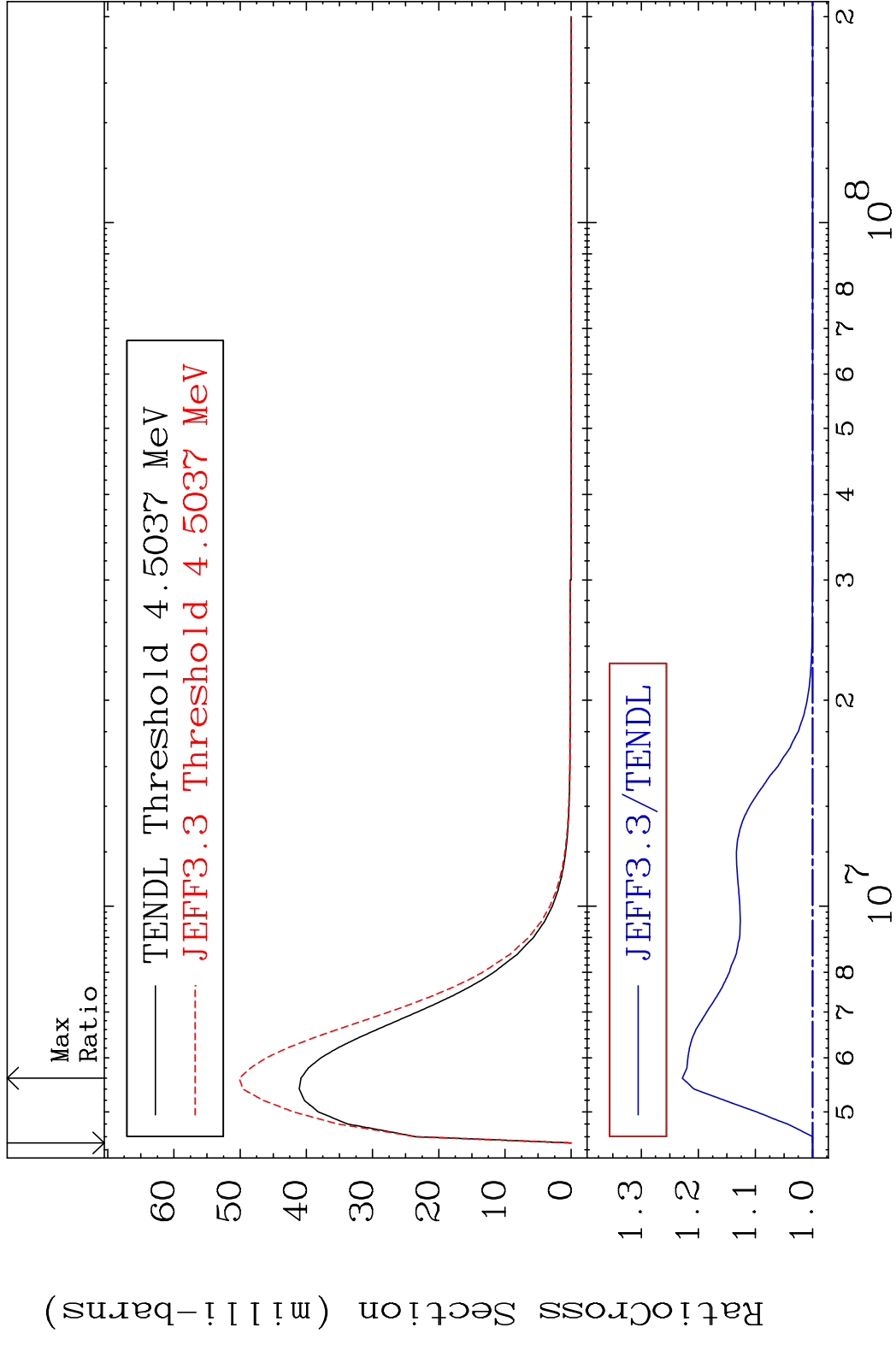
MAT 2043 MT= 61 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 13.96 %



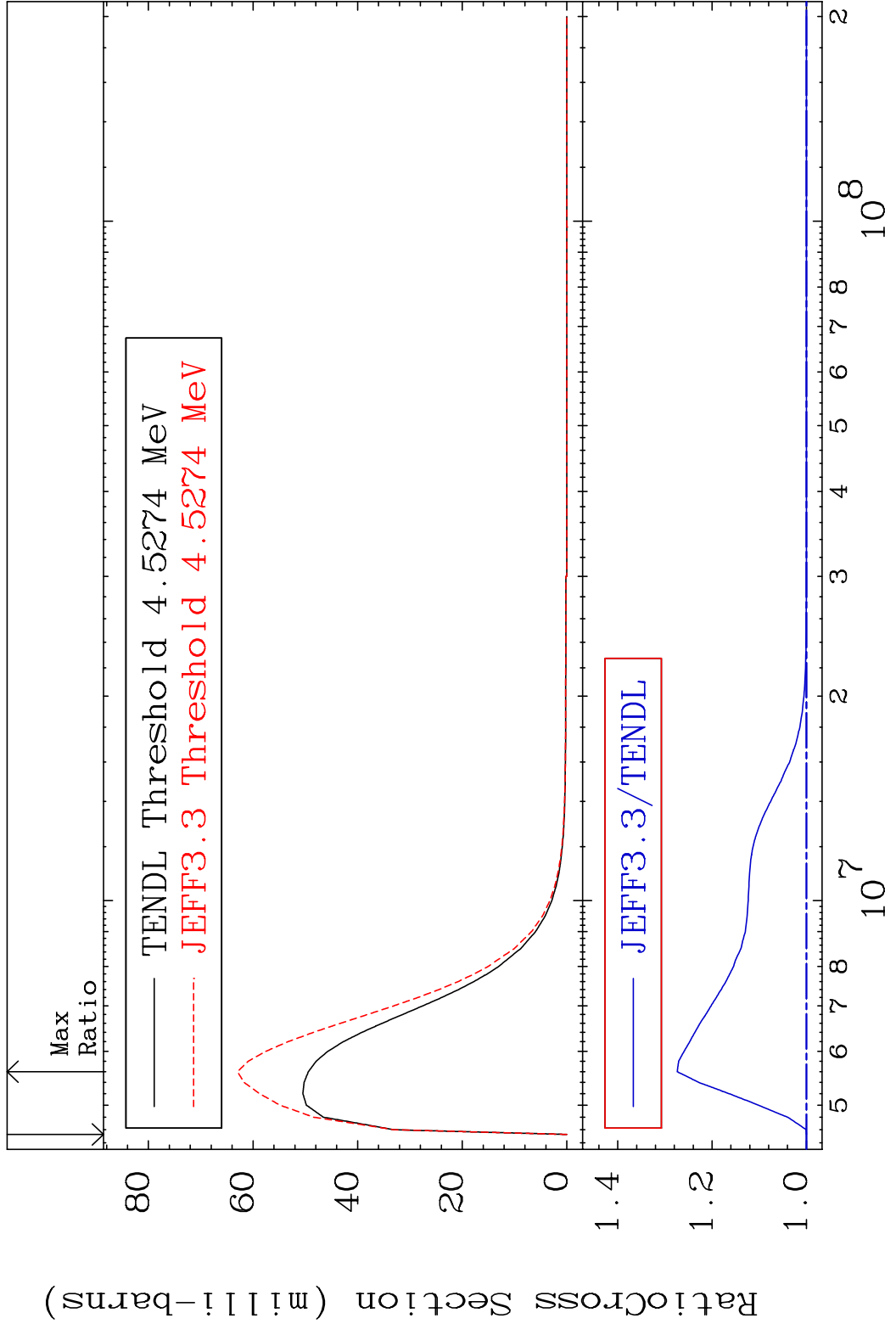
MAT 2043 MT= 62 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 27.23 %



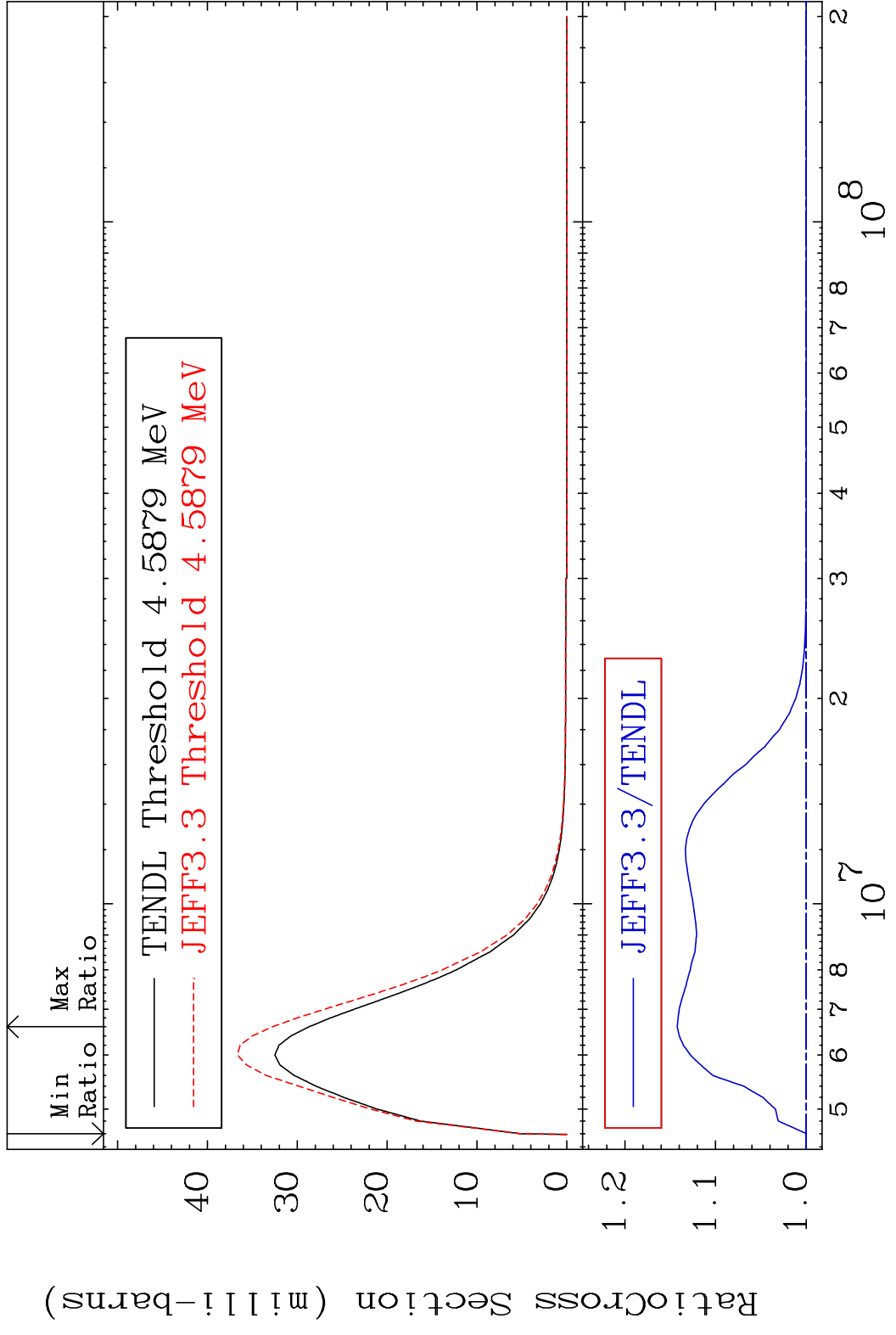
MAT 2043 MT= 63 (n, n') Level 20-Ca-46
 Cross Section 0.000 To 22.81 %



MAT 2043 MT= 64 (n,n') Level 20-Ca-46
 Cross Section 0.000 To 27.40 %



MAT 2043 MT= 65 (n,n') Level 20-Ca-46
 Cross Section -0.020 To 14.23 %



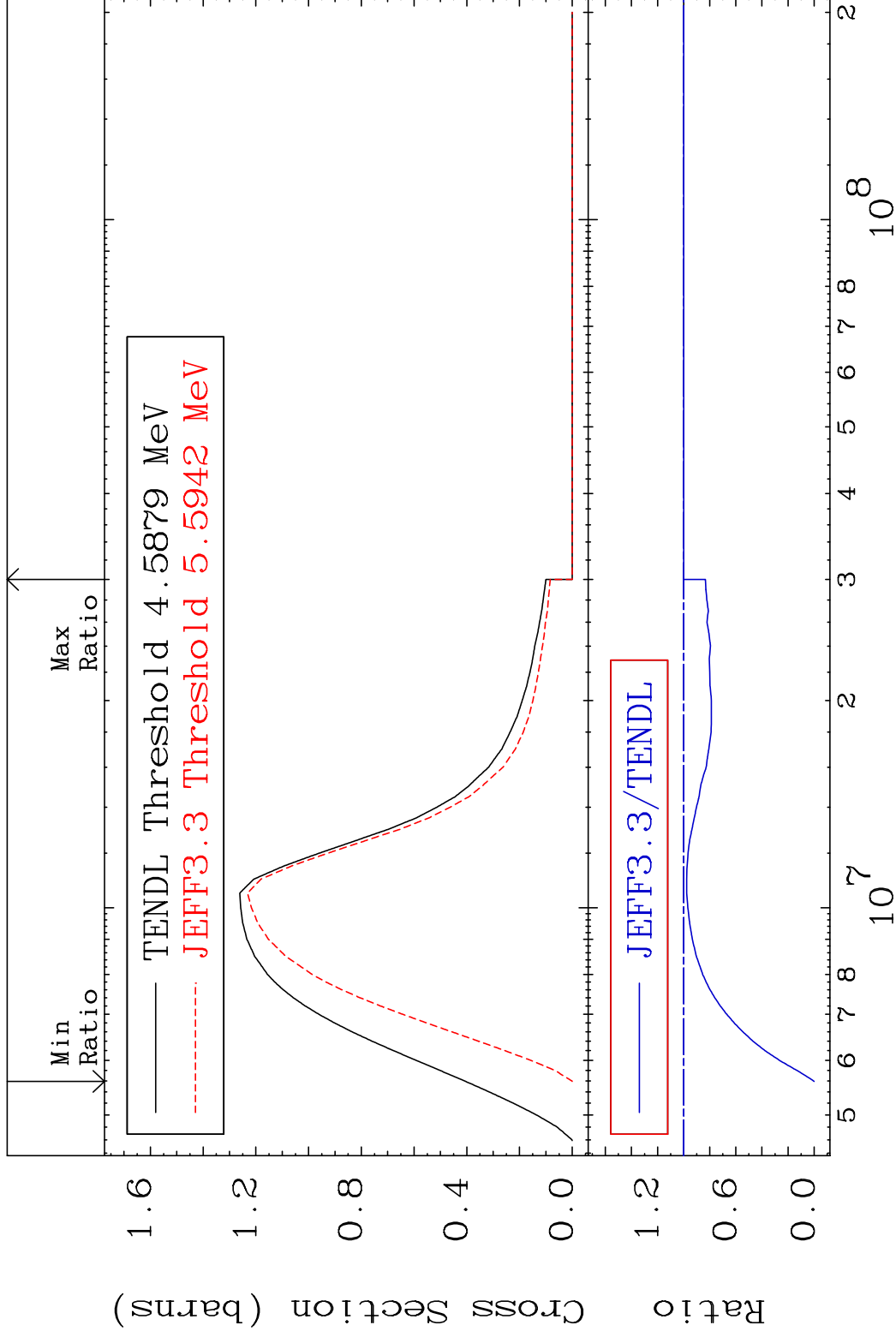
29 Incident Energy (eV) 20-Ca-46

MAT 2043

(n, n') Continuum

20-Ca-46

Cross Section -100.0 To 0.000 %



30

Incident Energy (eV)

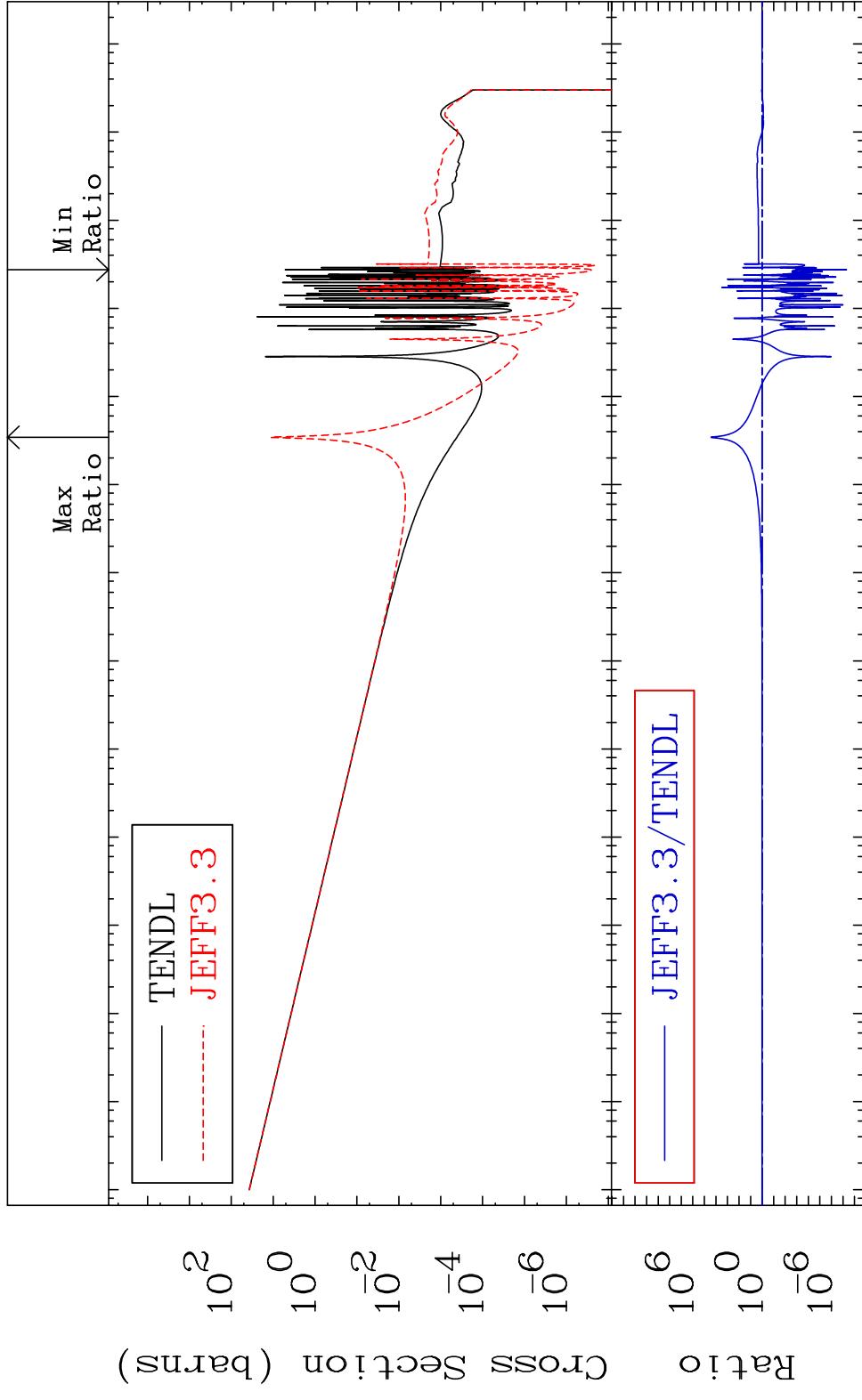
20-Ca-46

MAT 2043

20-Ca-46

(n, γ)

Cross Section -100.0 To 9999. %

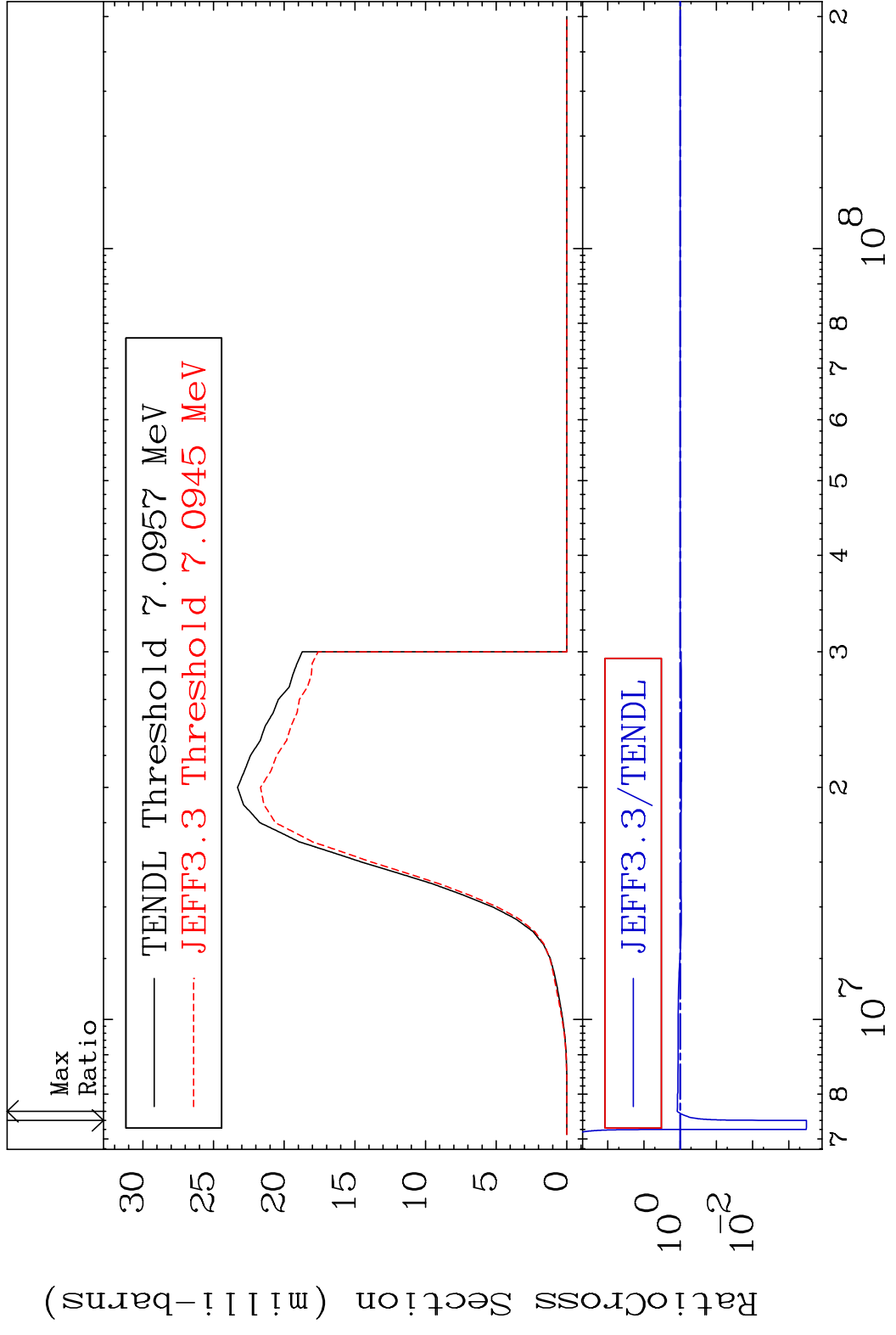


31

Incident Energy (eV)

20-Ca-46

MAT 2043 (n,p) 20-Ca-46
 Cross Section -99.97 To 21.17 %

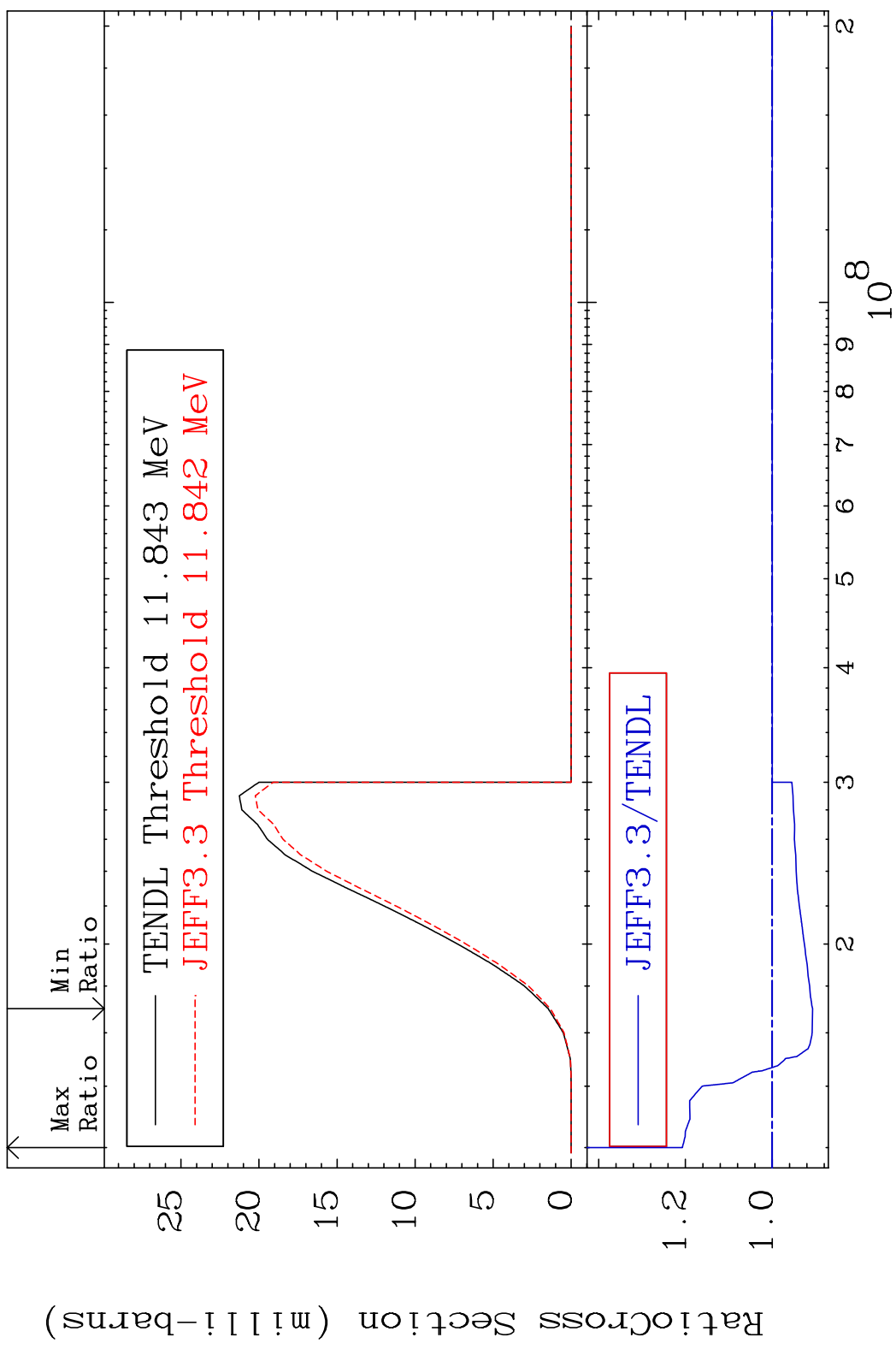


MAT 2043

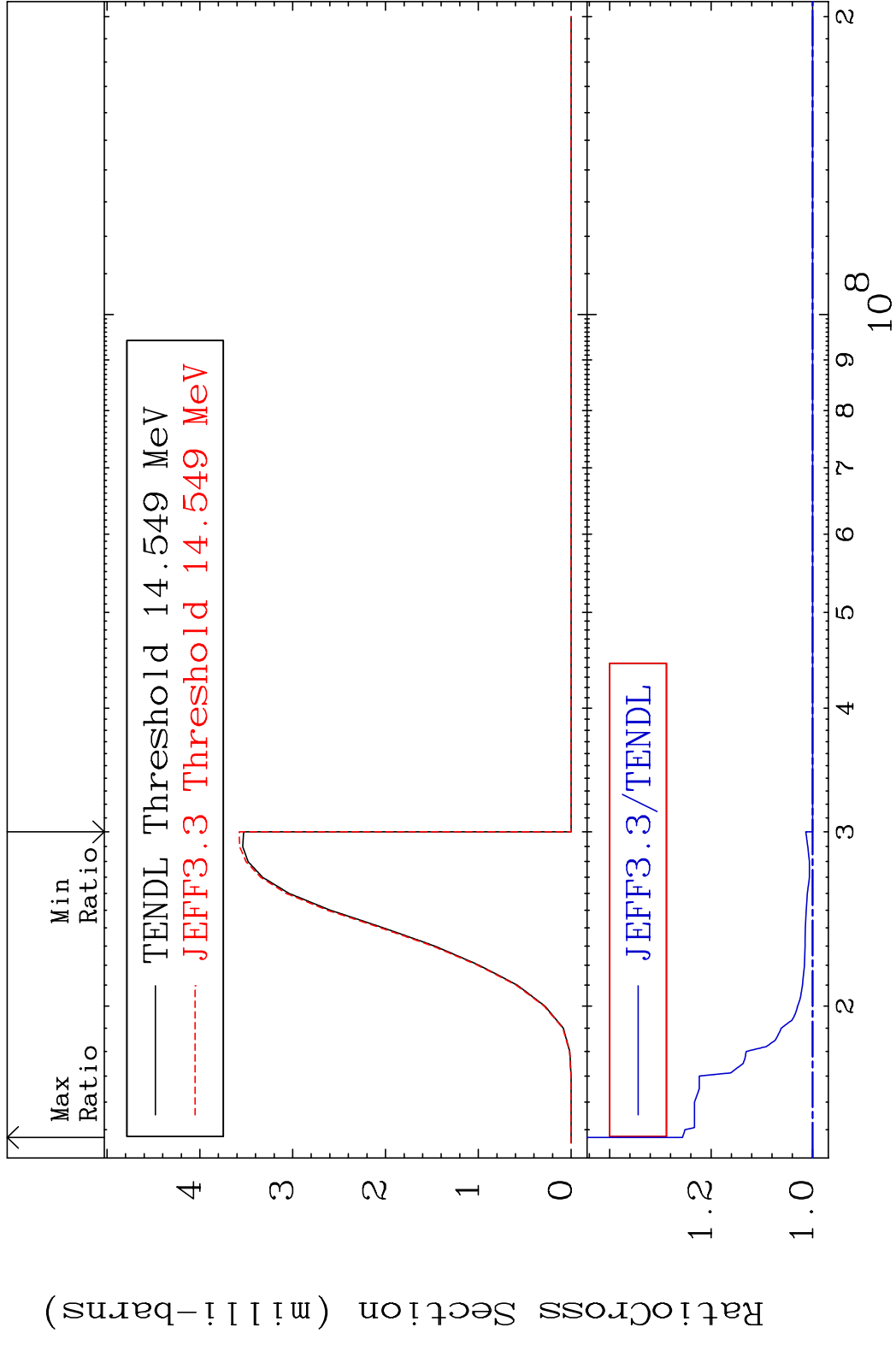
(n, d)

20-Ca-46

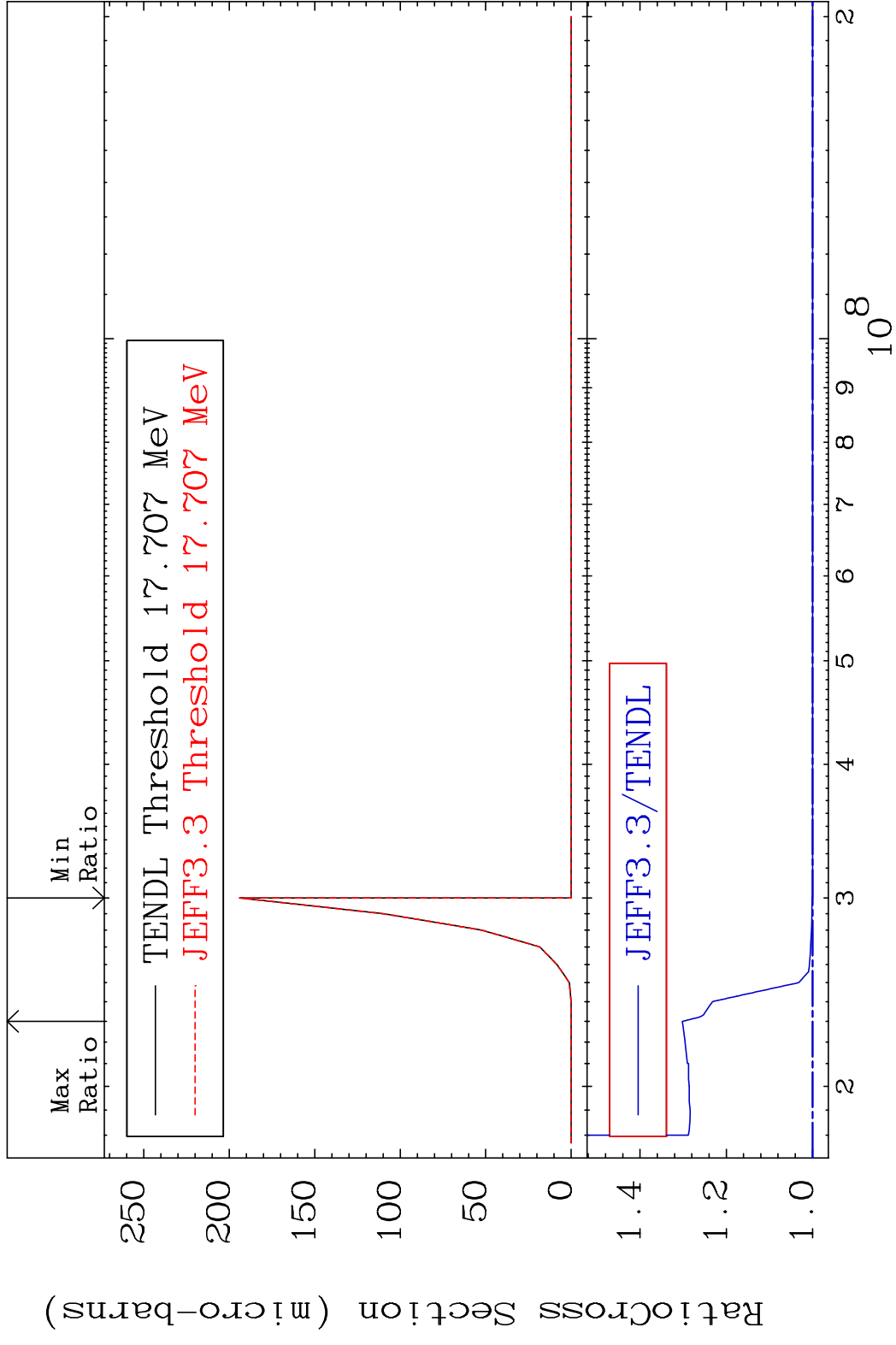
Cross Section -9.316 To 20.72 %



MAT 2043 (n, t) 20-Ca-46
 Cross Section 0.000 To 25.67 %



MAT 2043 (n, He-3) 20-Ca-46
 Cross Section 0.000 To 30.19 %

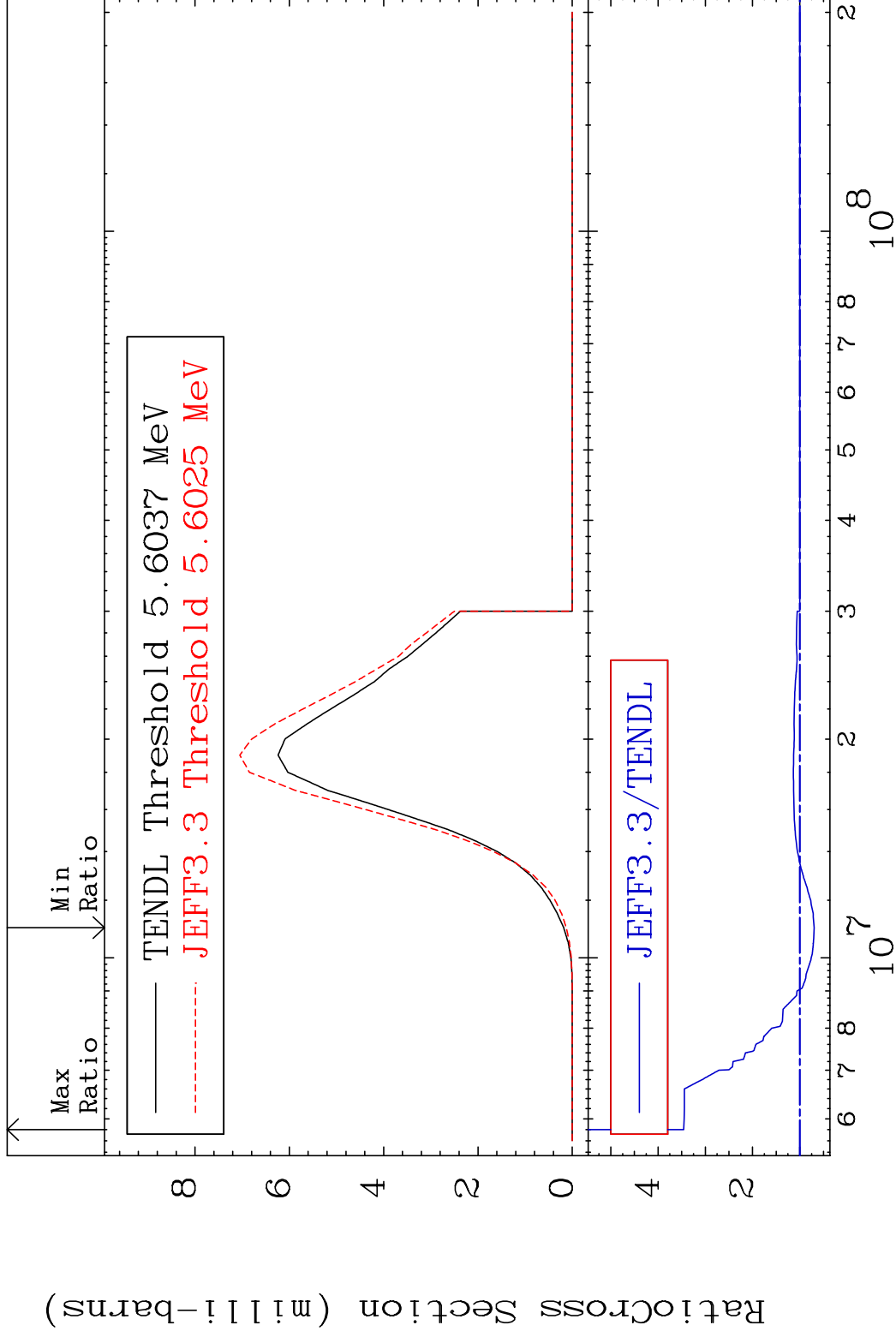


MAT 2043

(n, α)

20-Ca-46

Cross Section -30.28 To 245.8 %



36

Incident Energy (eV)

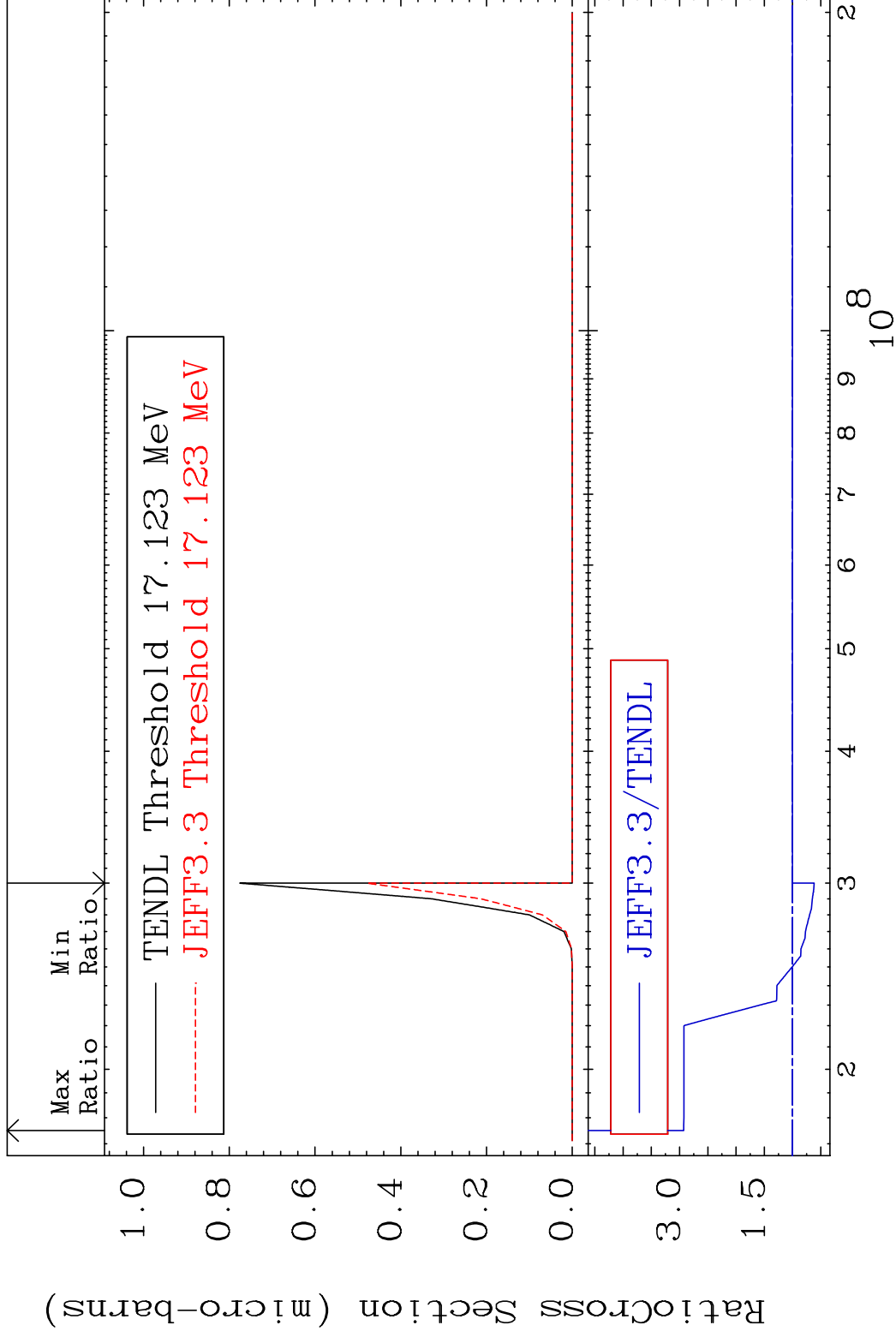
20-Ca-46

MAT 2043

(n,2α)

20-Ca-46

Cross Section -38.19 To 192.8 %

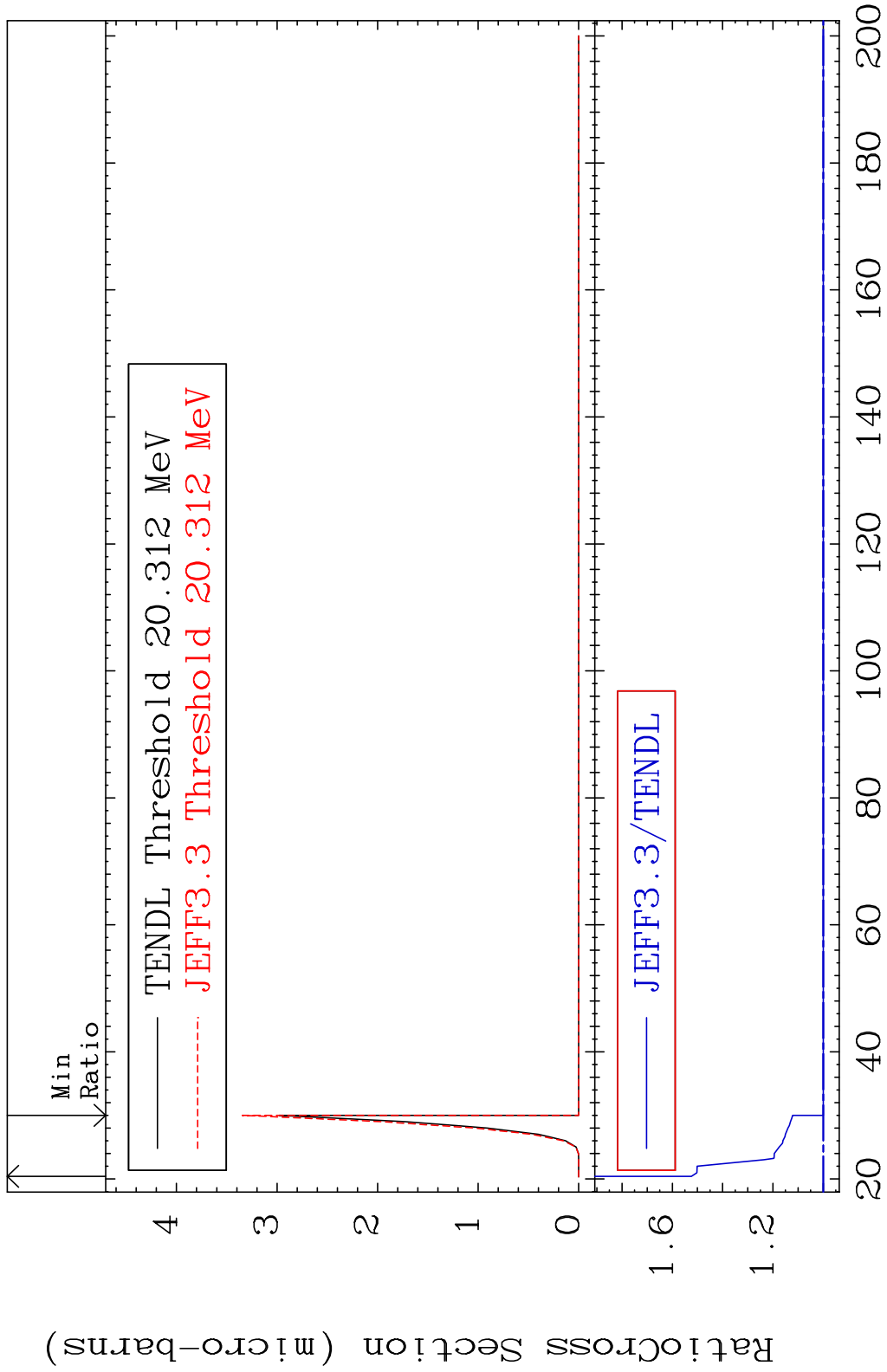


37

Incident Energy (eV)

20-Ca-46

MAT 2043 (n,2p) 20-Ca-46
 Cross Section 0.000 To 52.45 %

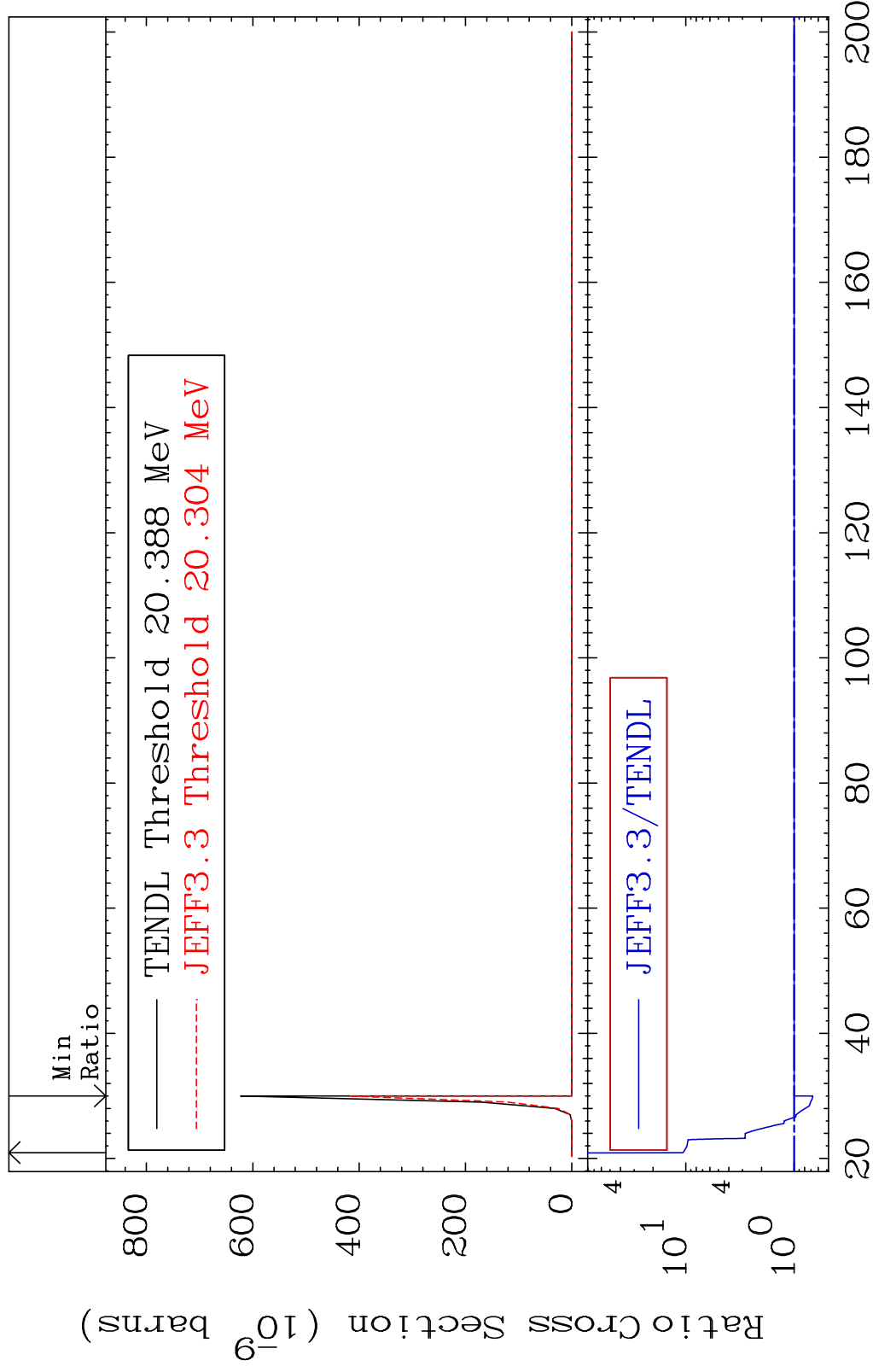


MAT 2043

(n,p) α

20-Ca-46

Cross Section -32.61 To 964.8 %

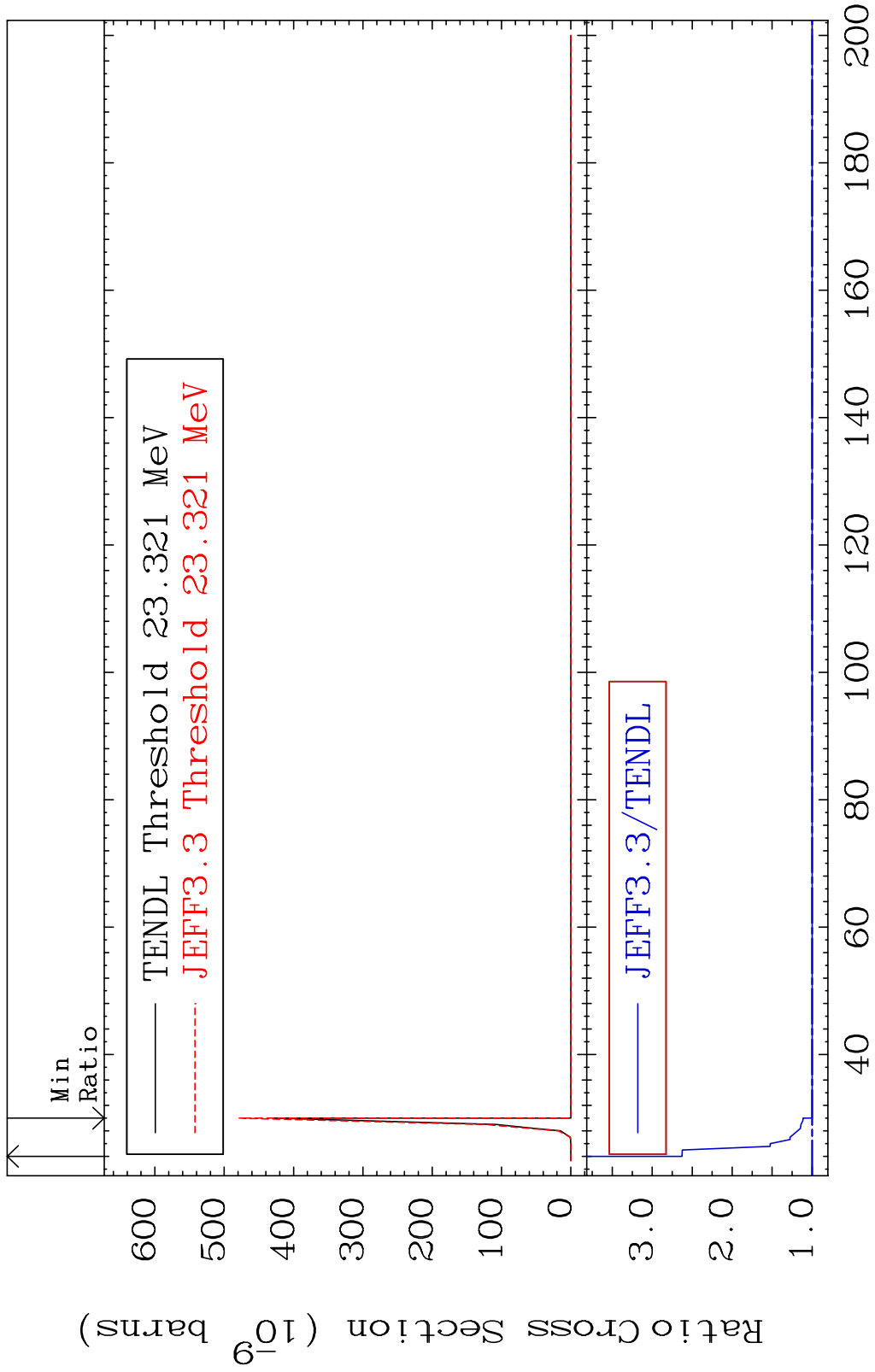


39

Incident Energy (MeV)

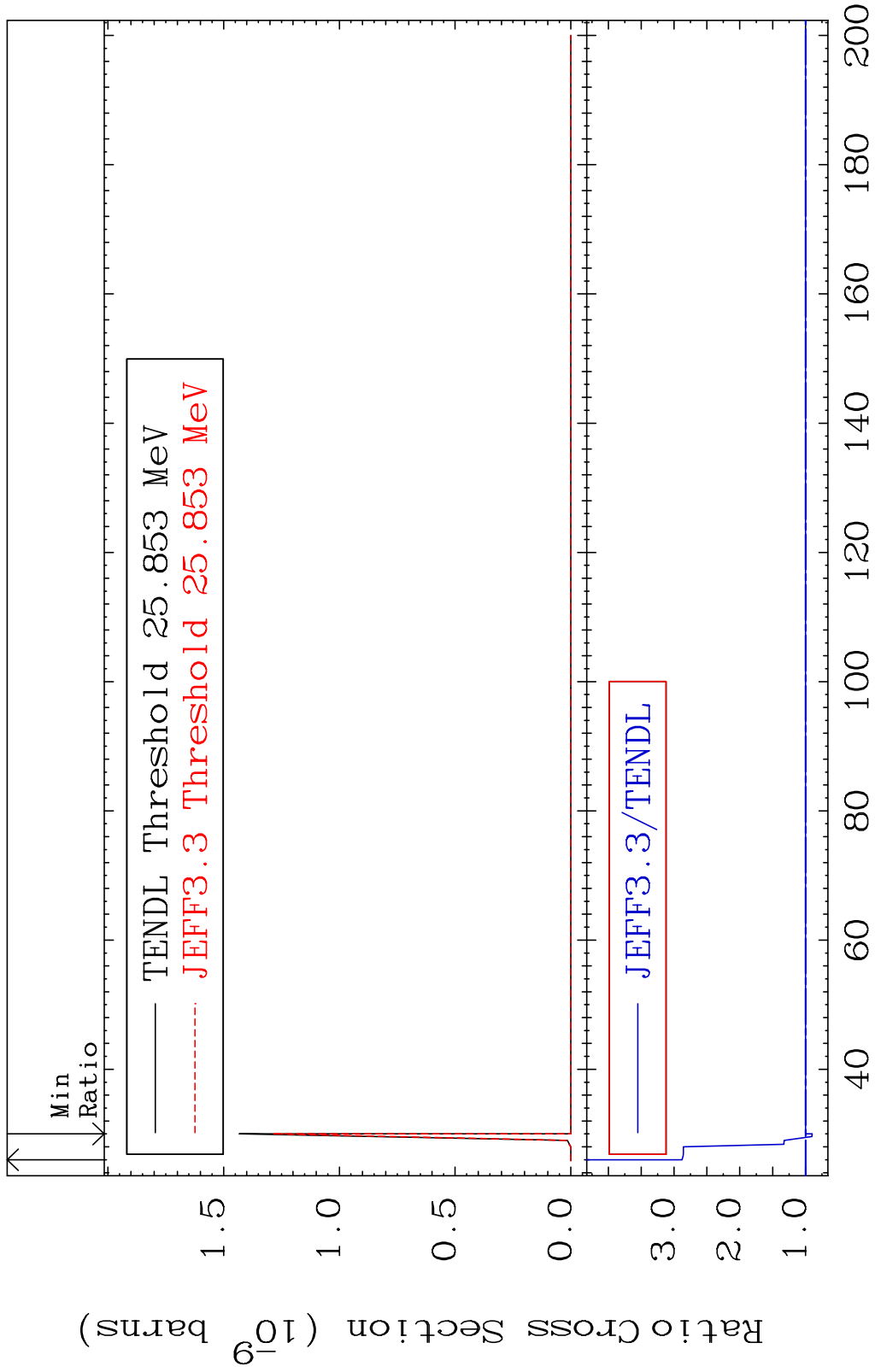
20-Ca-46

MAT 2043 (n,p) d 20-Ca-46
Cross Section 0.000 To 162.8 %



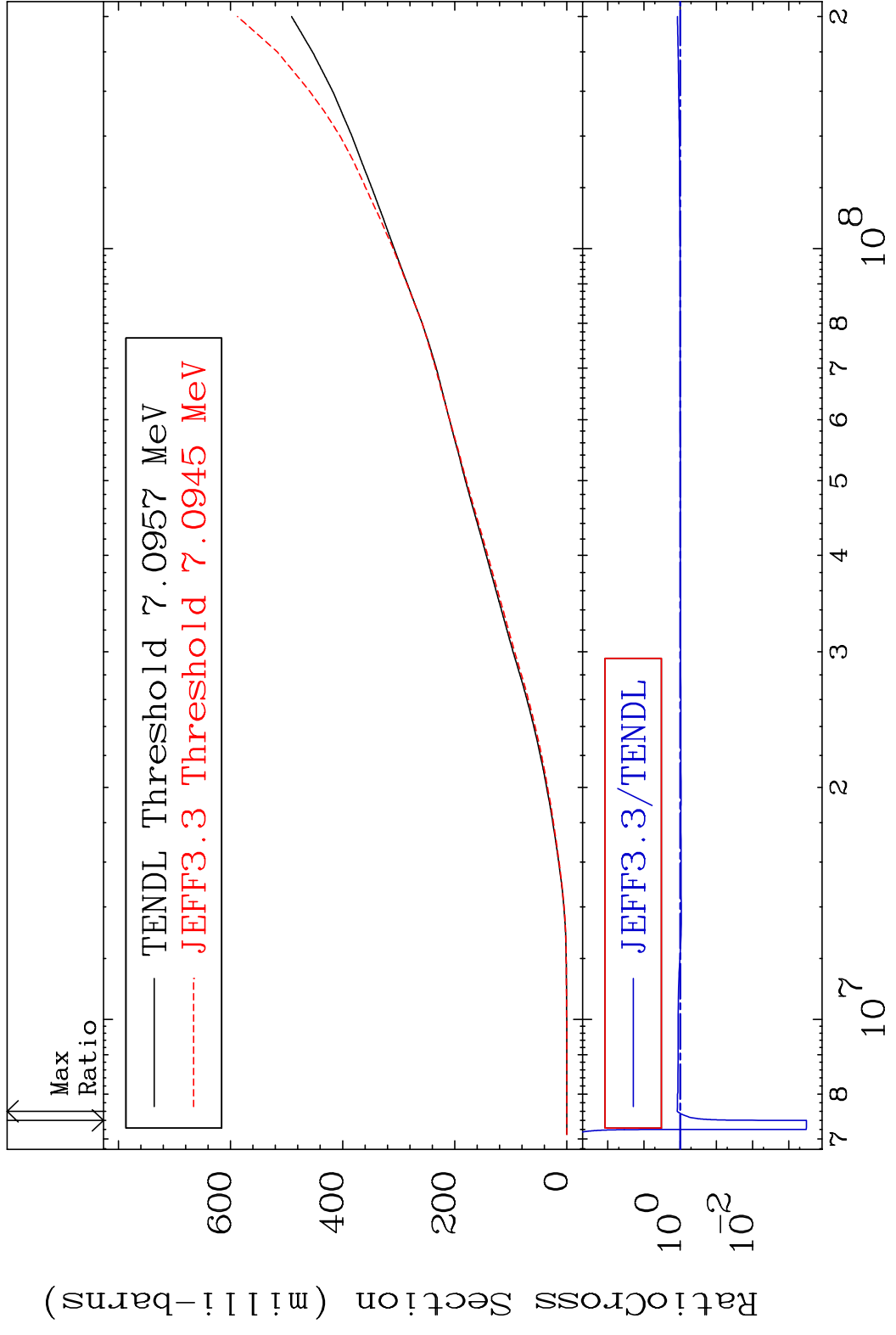
40 Incident Energy (MeV) 20-Ca-46

MAT 2043 (n,p) t 20-Ca-46
 Cross Section -10.09 To 188.0 %

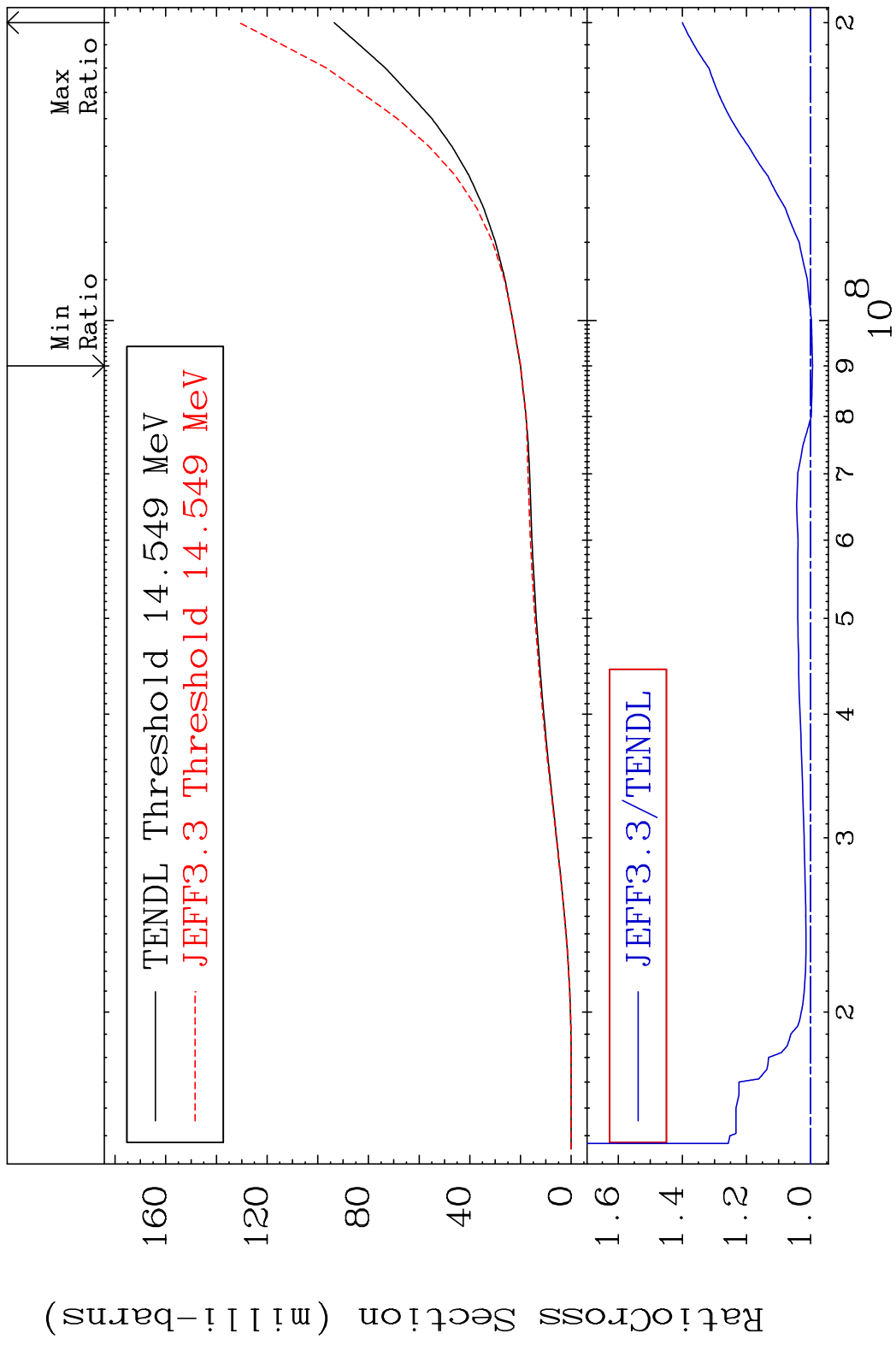


41 Incident Energy (MeV) 20-Ca-46

MAT 2043 Hydrogen Production 20-Ca-46
 Cross Section -99.97 To 21.17 %



MAT 2043 Tritium Production 20-Ca-46
 Cross Section -0.602 To 40.01 %

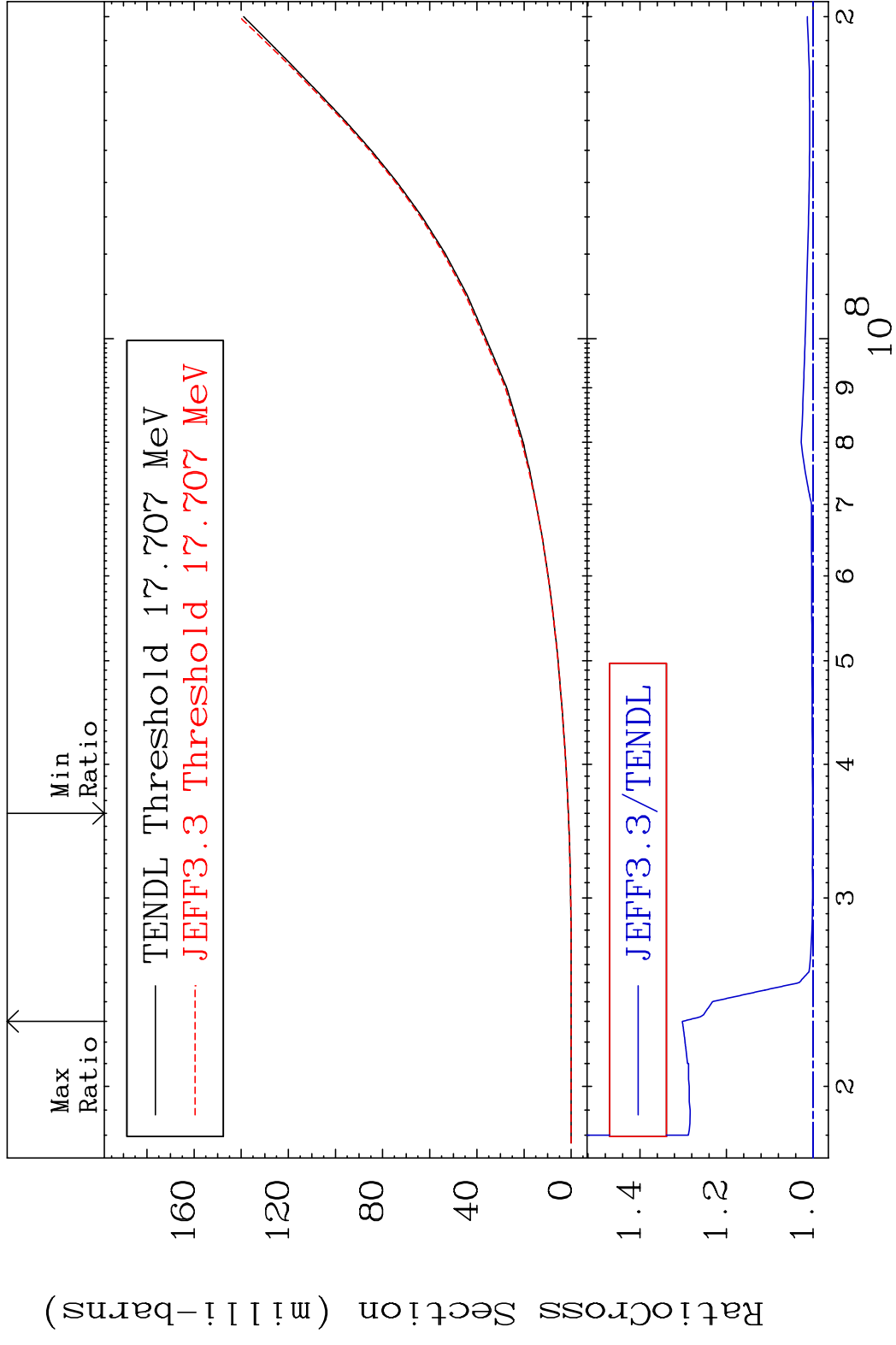


MAT 2043

He-3 Production

20-Ca-46

Cross Section 0.106 To 30.19 %



45

Incident Energy (eV)

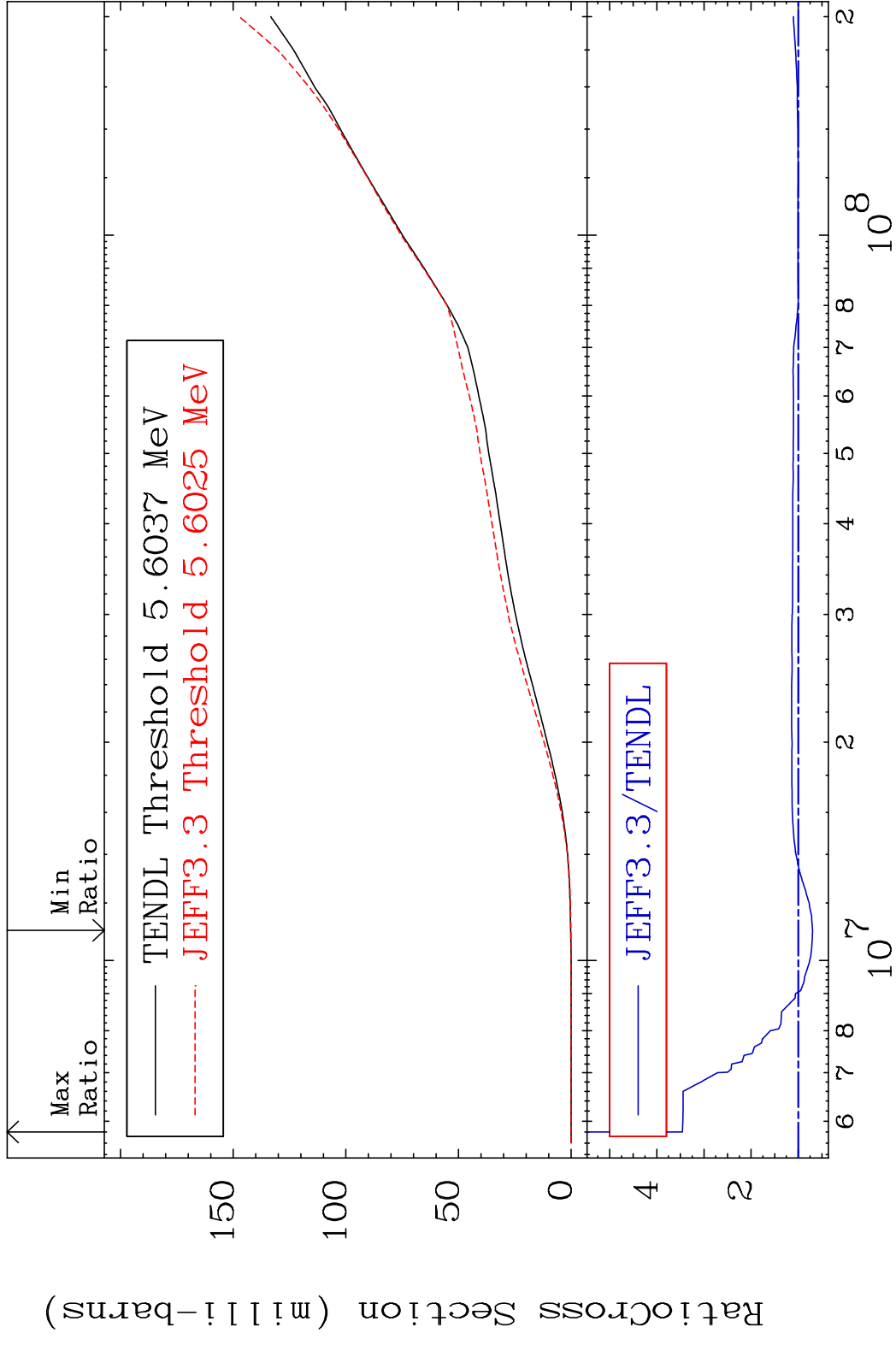
20-Ca-46

MAT 2043

He-4 Production

20-Ca-46

Cross Section -30.28 To 245.8 %

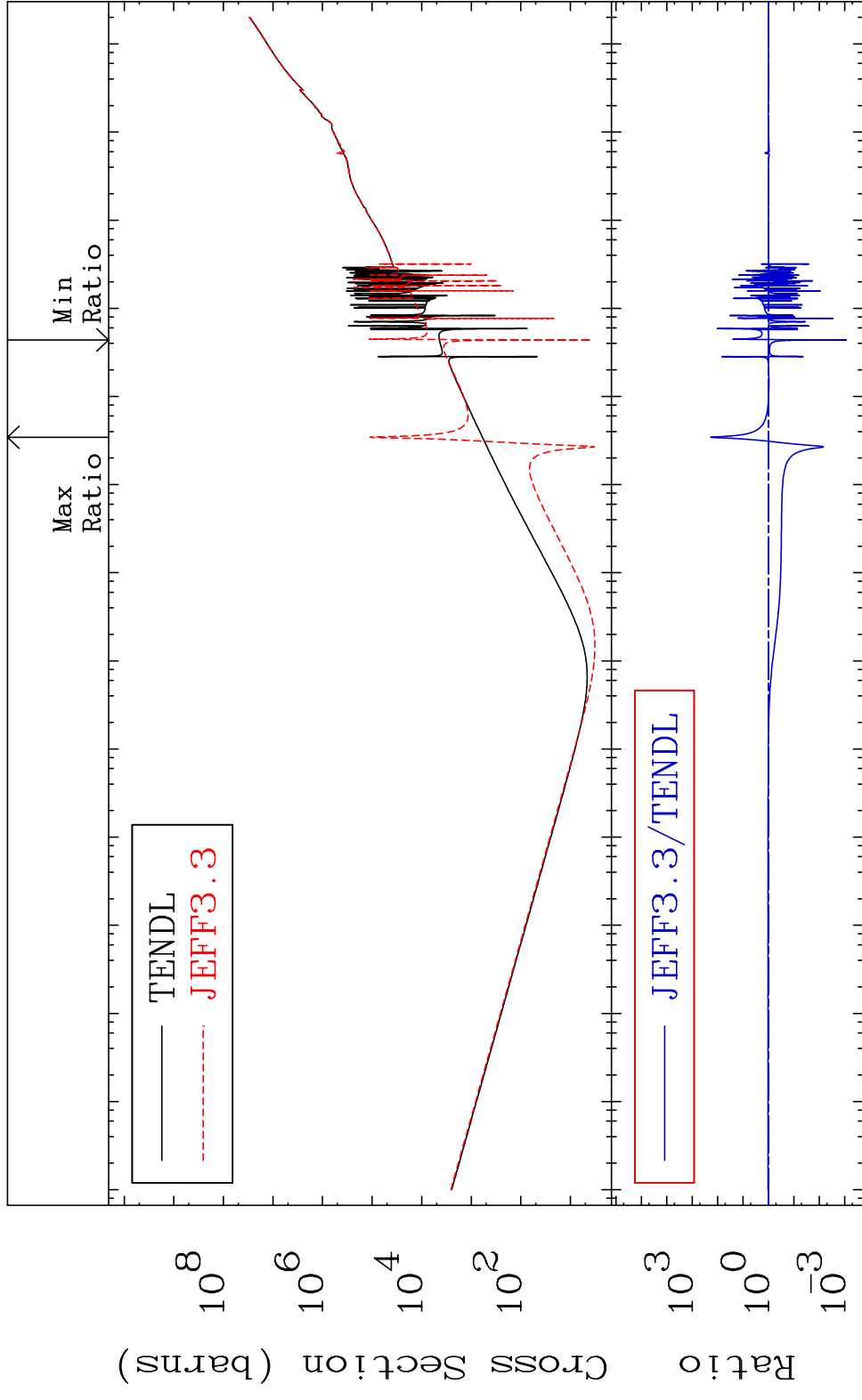


46

Incident Energy (eV)

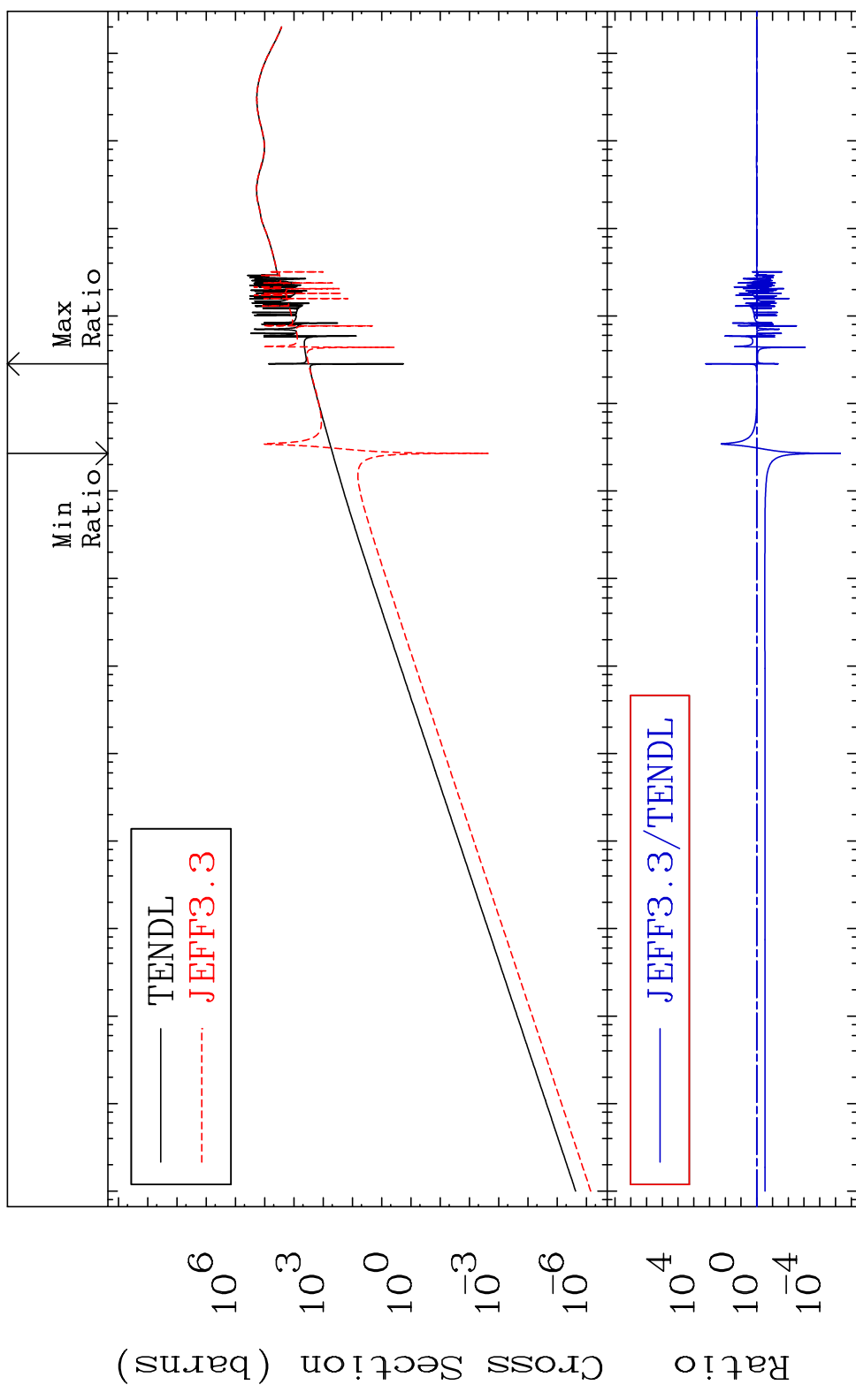
20-Ca-46

MAT 2043 Kerma total (eV-barns) 20-Ca-46
 Cross Section -99.91 To 9999. %



MAT 2043

Kerma elastic Cross Section -100.0 To 9999. %
20-Ca-46

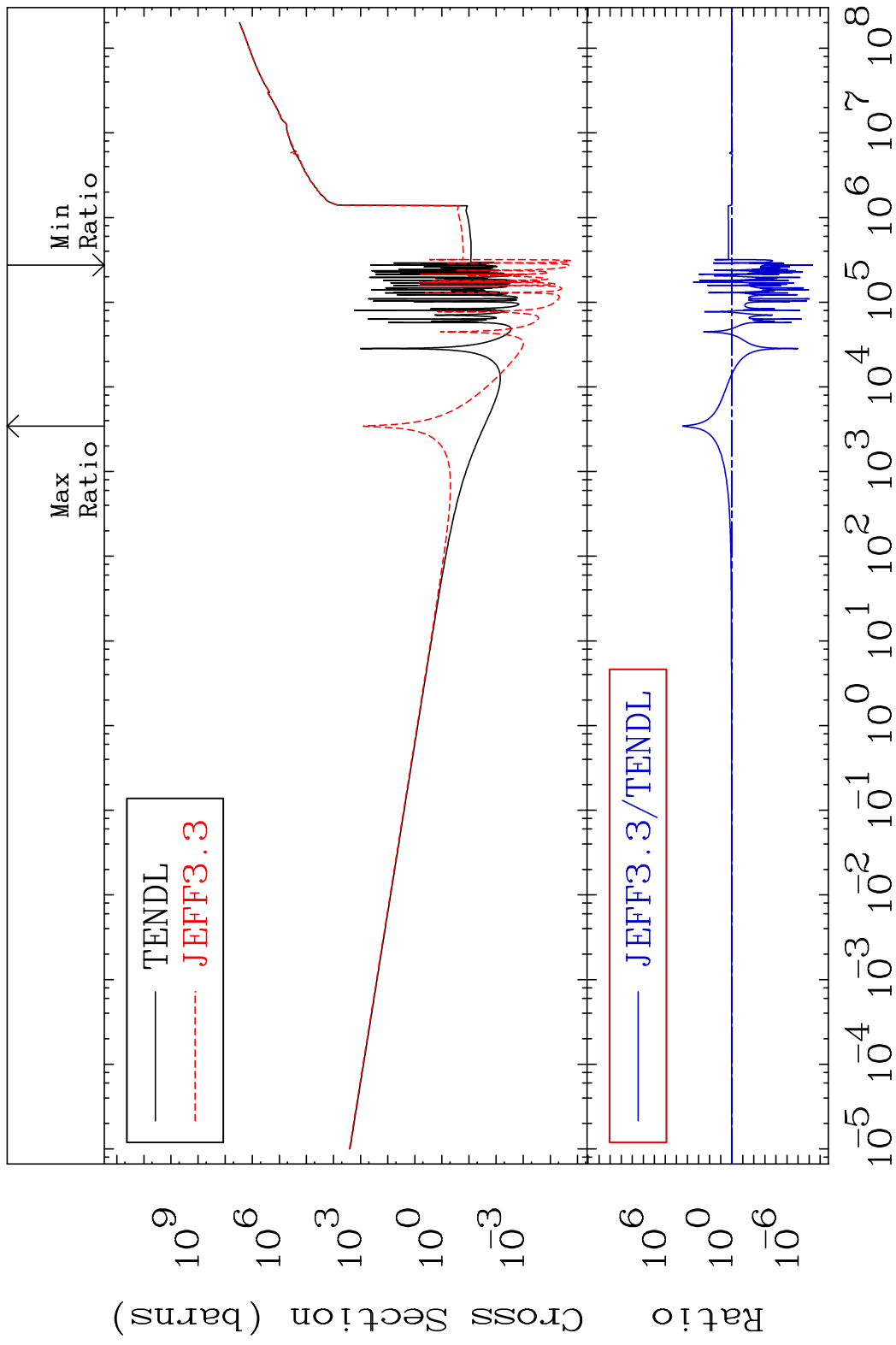


48

Incident Energy (eV)

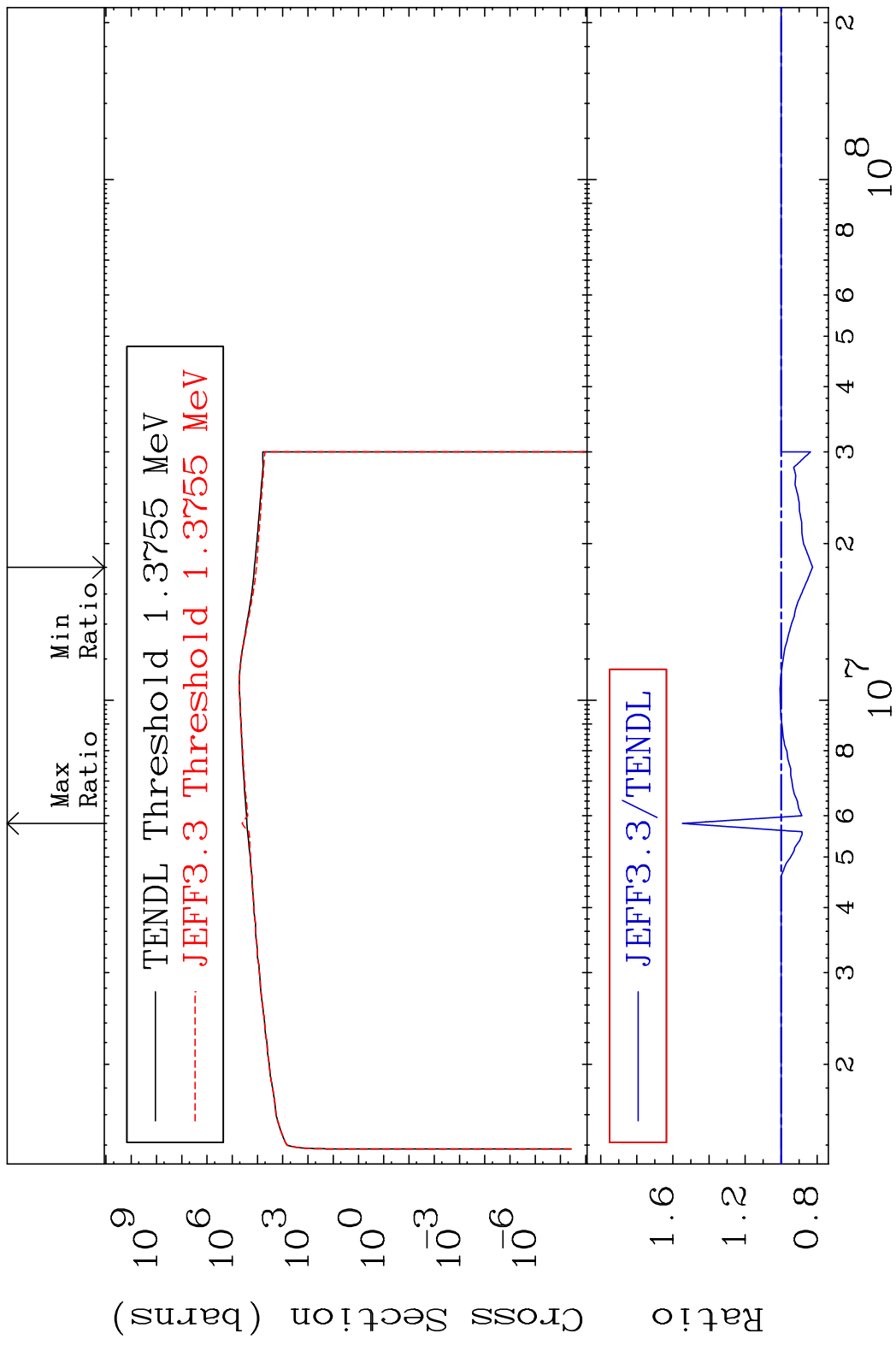
20-Ca-46

MAT 2043 Kerma non-elastic (all but mt2) 20-Ca-46
 Cross Section -100.0 To 9999. %

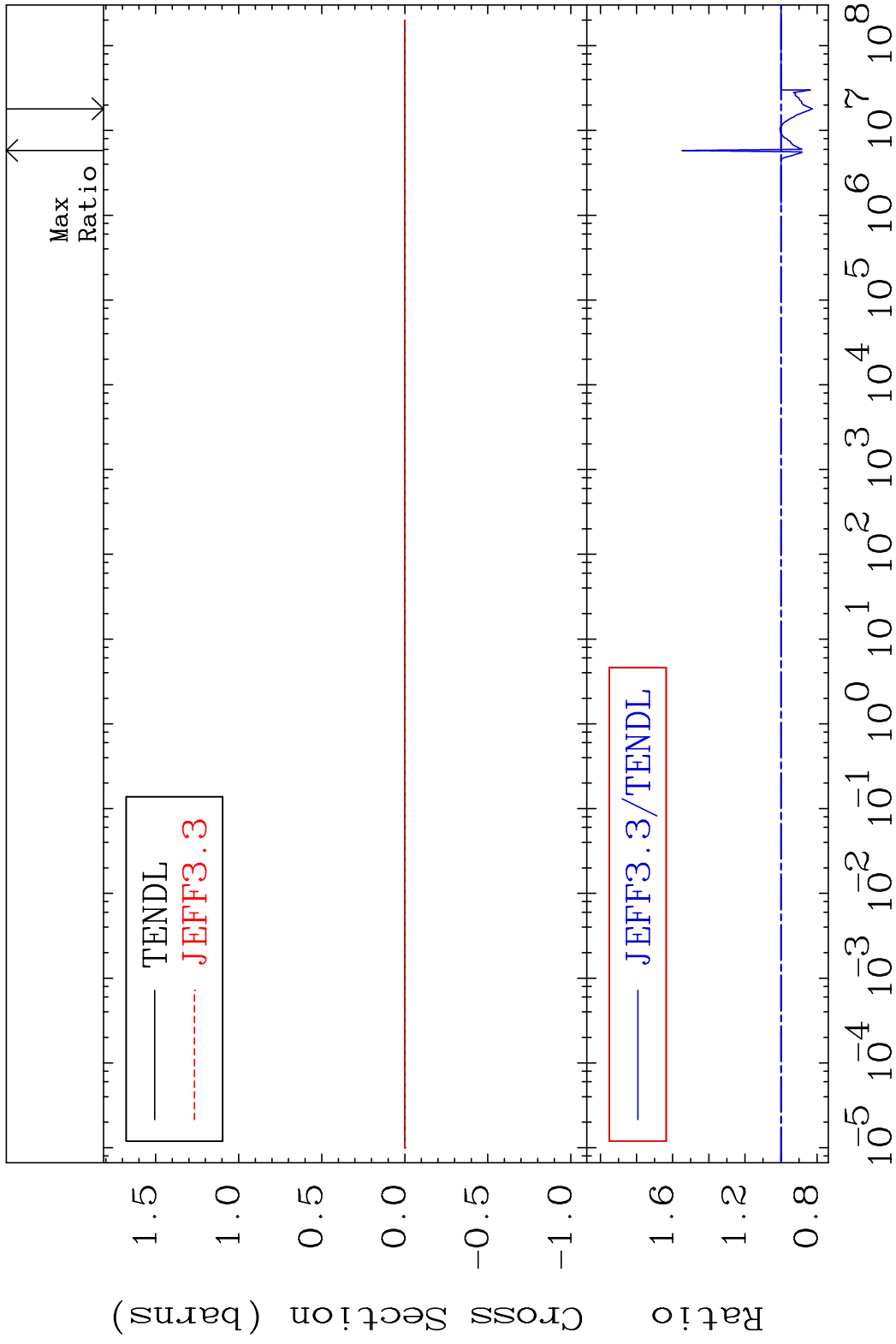


49 Incident Energy (eV) 20-Ca-46

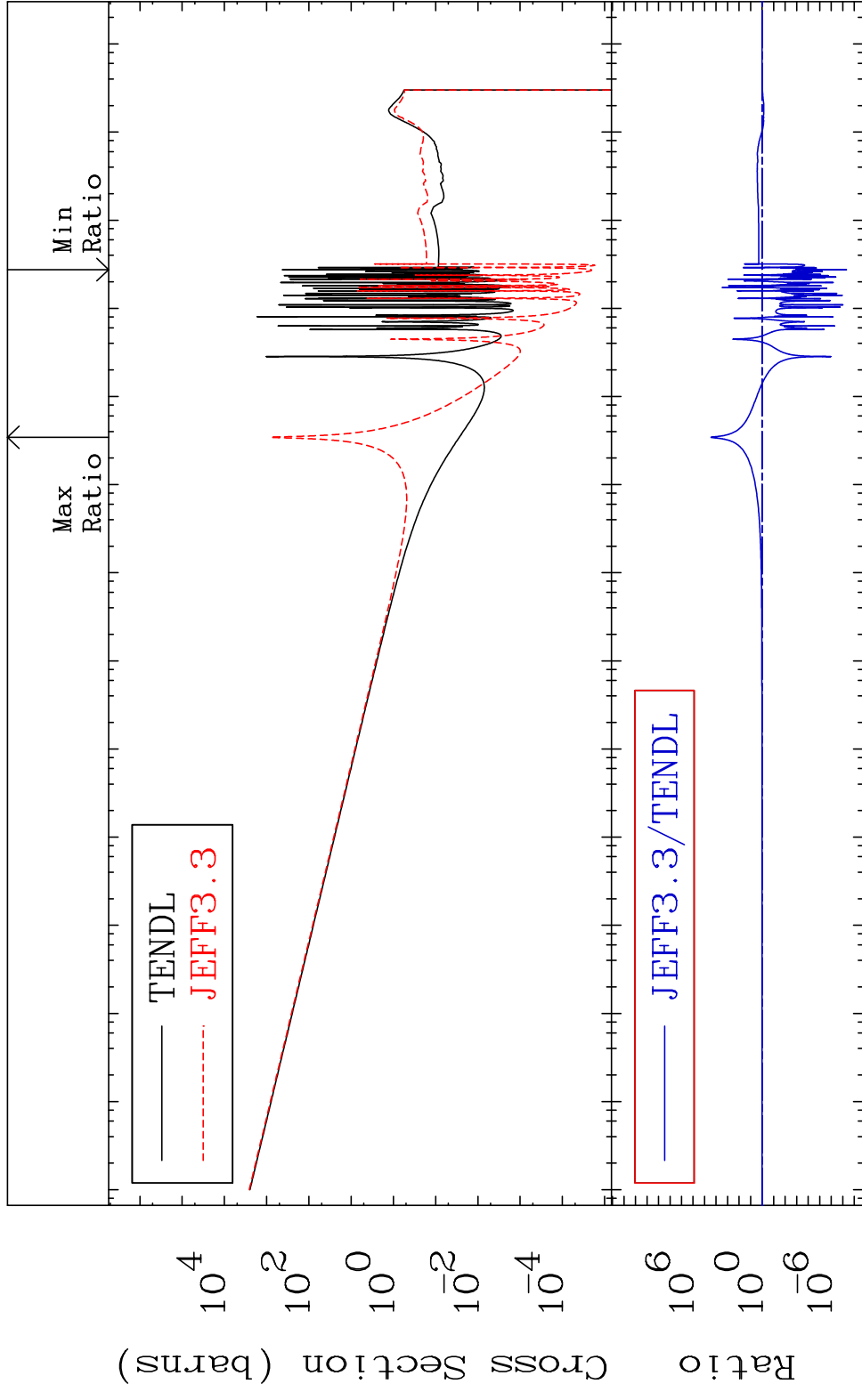
MAT 2043 Kerma inelastic (mt51-91) 20-Ca-46
 Cross Section -17.49 To 54.76 %



MAT 2043 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-46
 Cross Section -17.49 To 54.76 %



MAT 2043 Kerma capture (mt102) 20-Ca-46
 Cross Section -100.0 To 9999. %

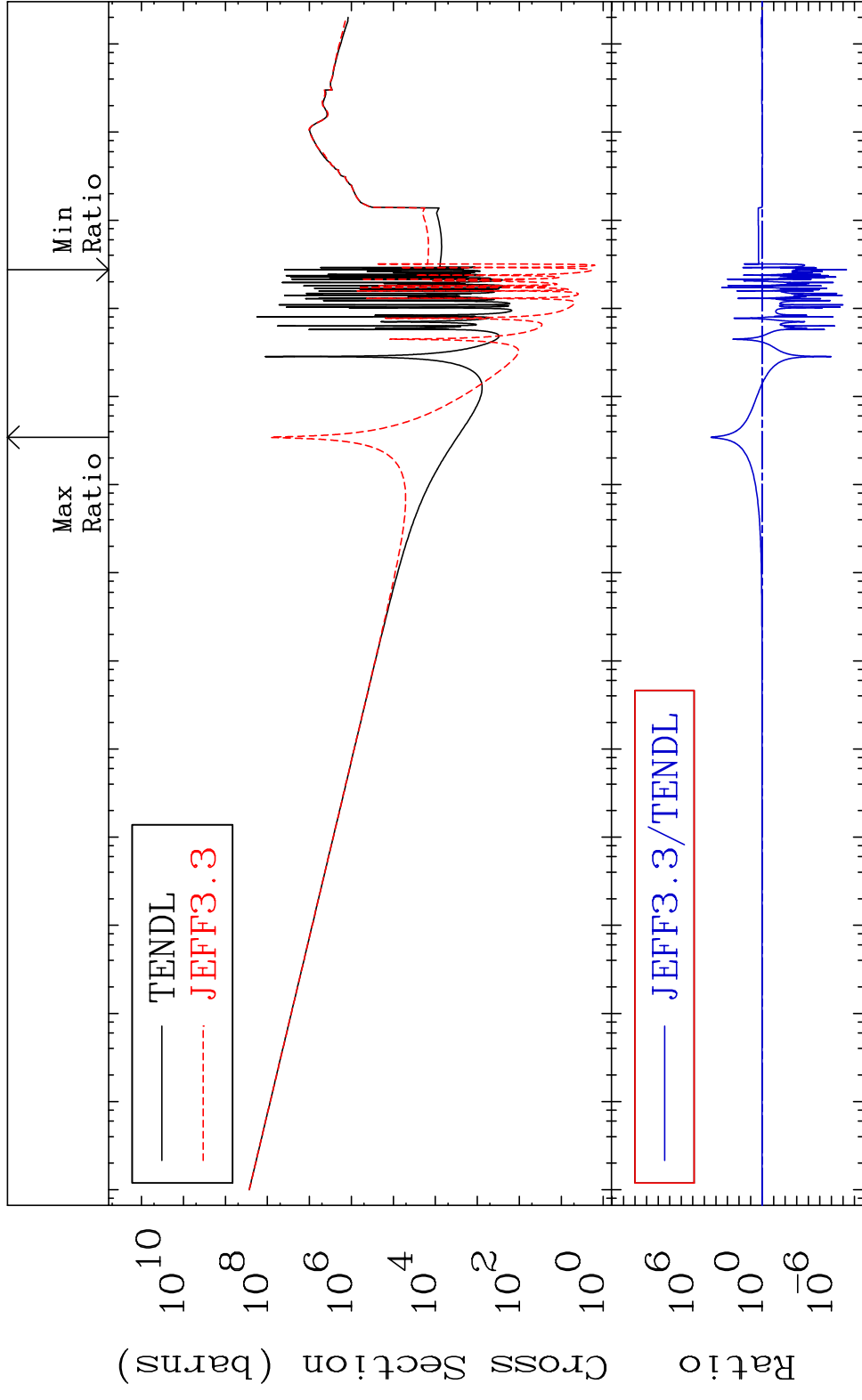


Ratio
 10⁶
 10⁰
 10⁻⁶

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

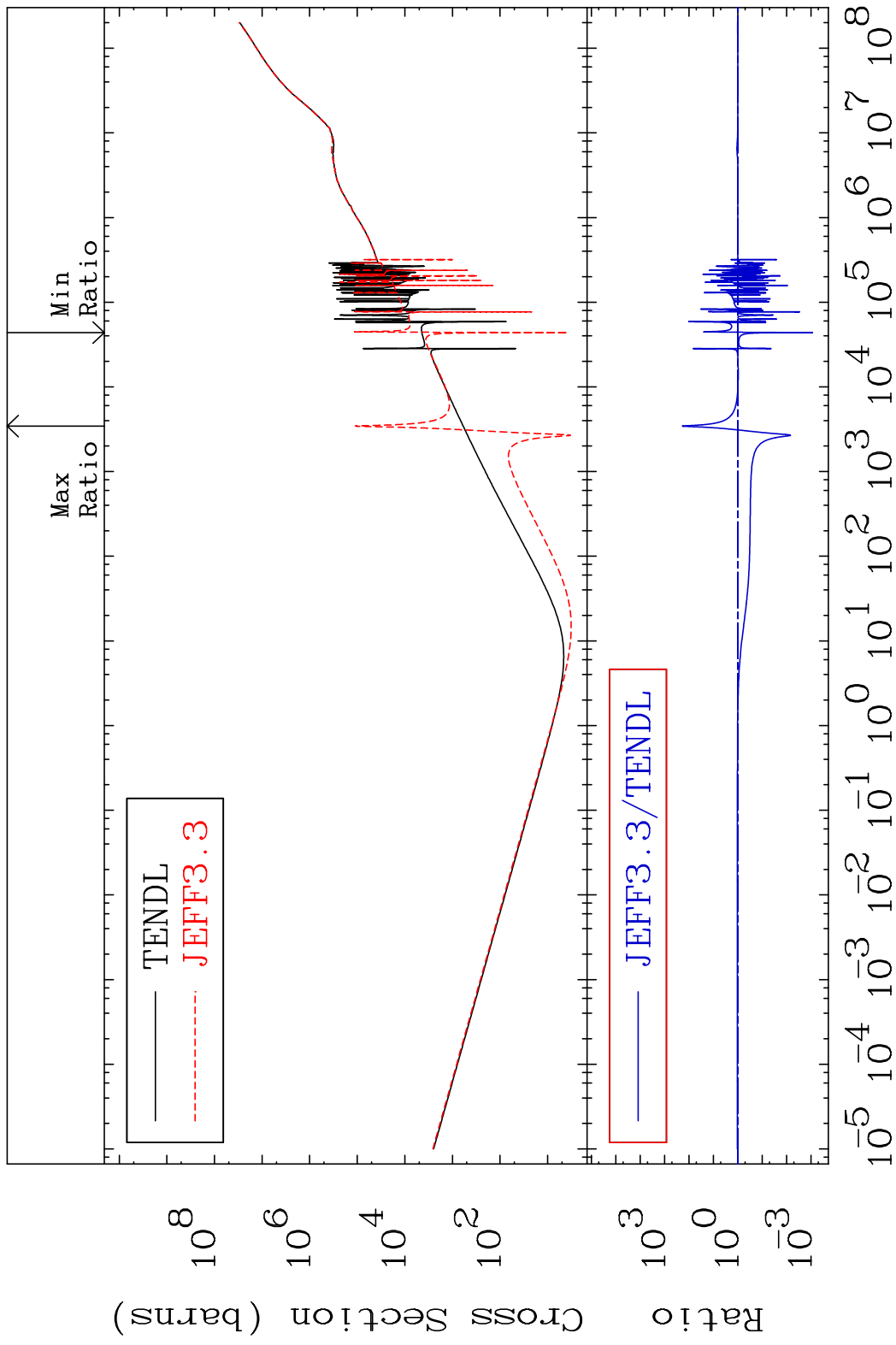
Incident Energy (eV) 20-Ca-46

MAT 2043 Total photon (eV-barns) 20-Ca-46
 Cross Section -100.0 To 9999. %

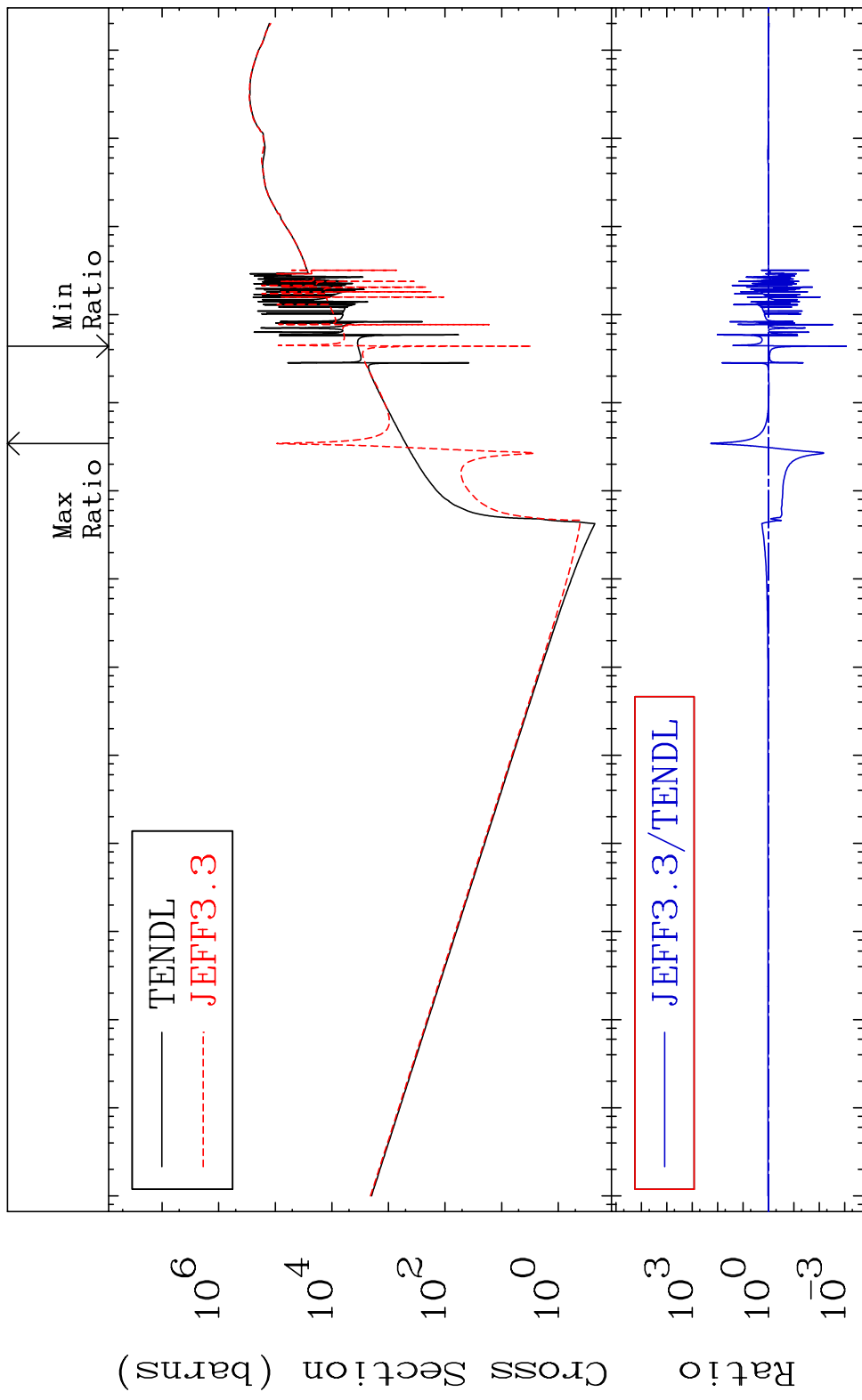


53 Incident Energy (eV) 20-Ca-46

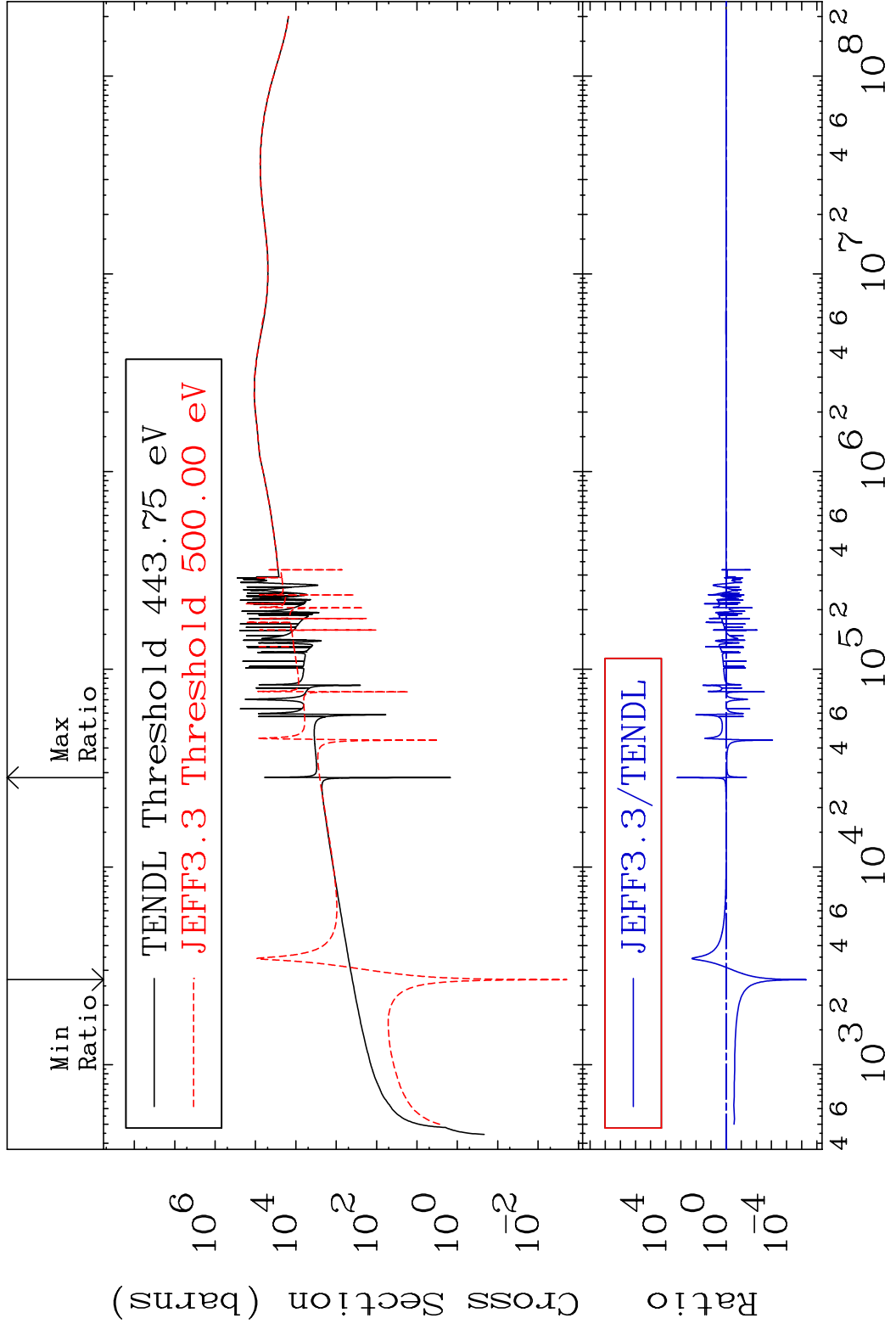
MAT 2043 Total kinematic kerma (high limit) 20-Ca-46
 Cross Section -99.91 To 9999. %

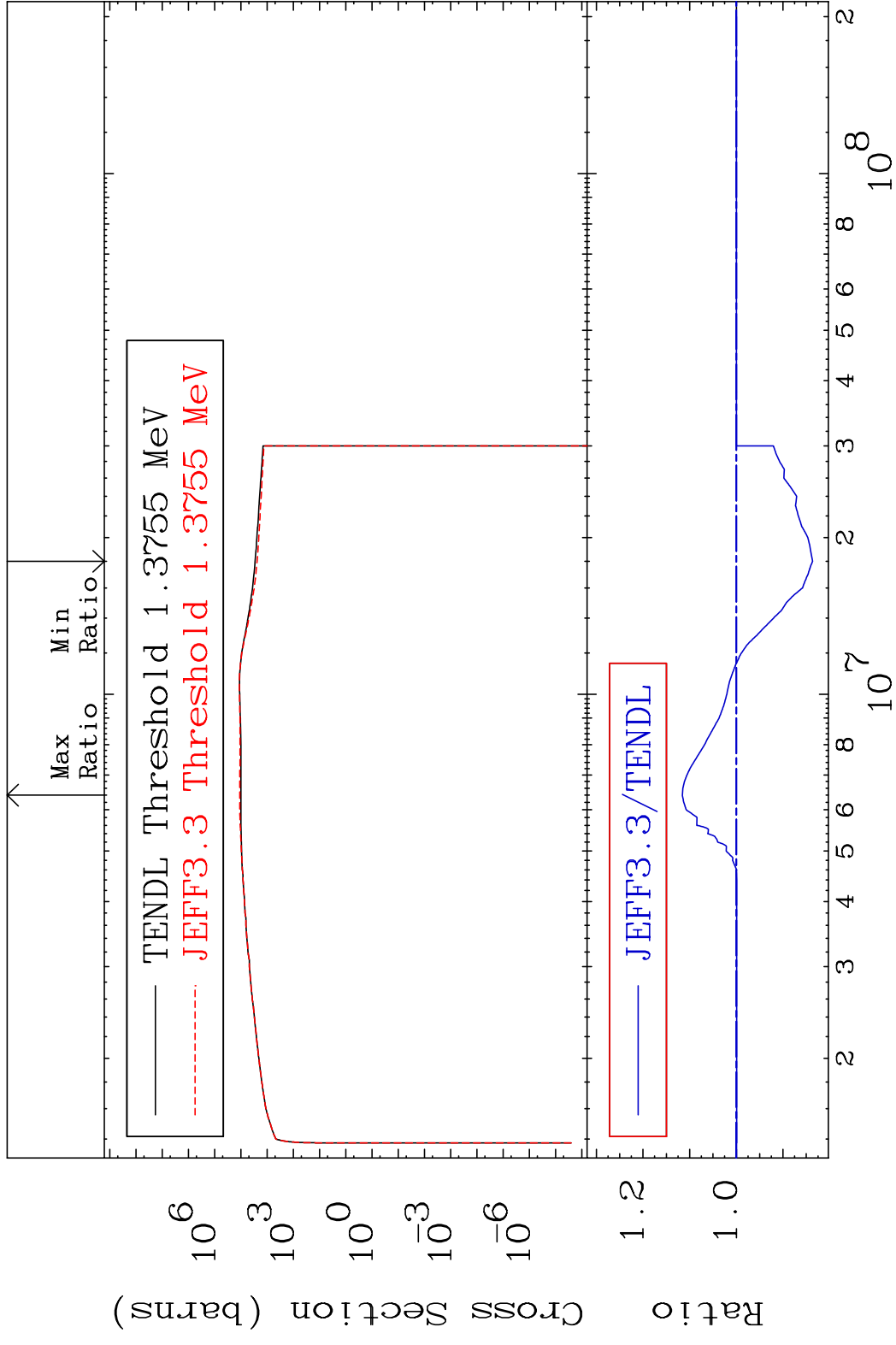


MAT 2043 Dpa total (eV-barns) 20-Ca-46
 Cross Section -99.91 To 9999. %



MAT 2043 Dpa elastic (mt2) 20-Ca-46
 Cross Section -100.0 To 9999. %





MAT 2043 Dpa disappearance (mt102 -120) 20-Ca-46
 Cross Section -100.0 To 9999. %

