

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

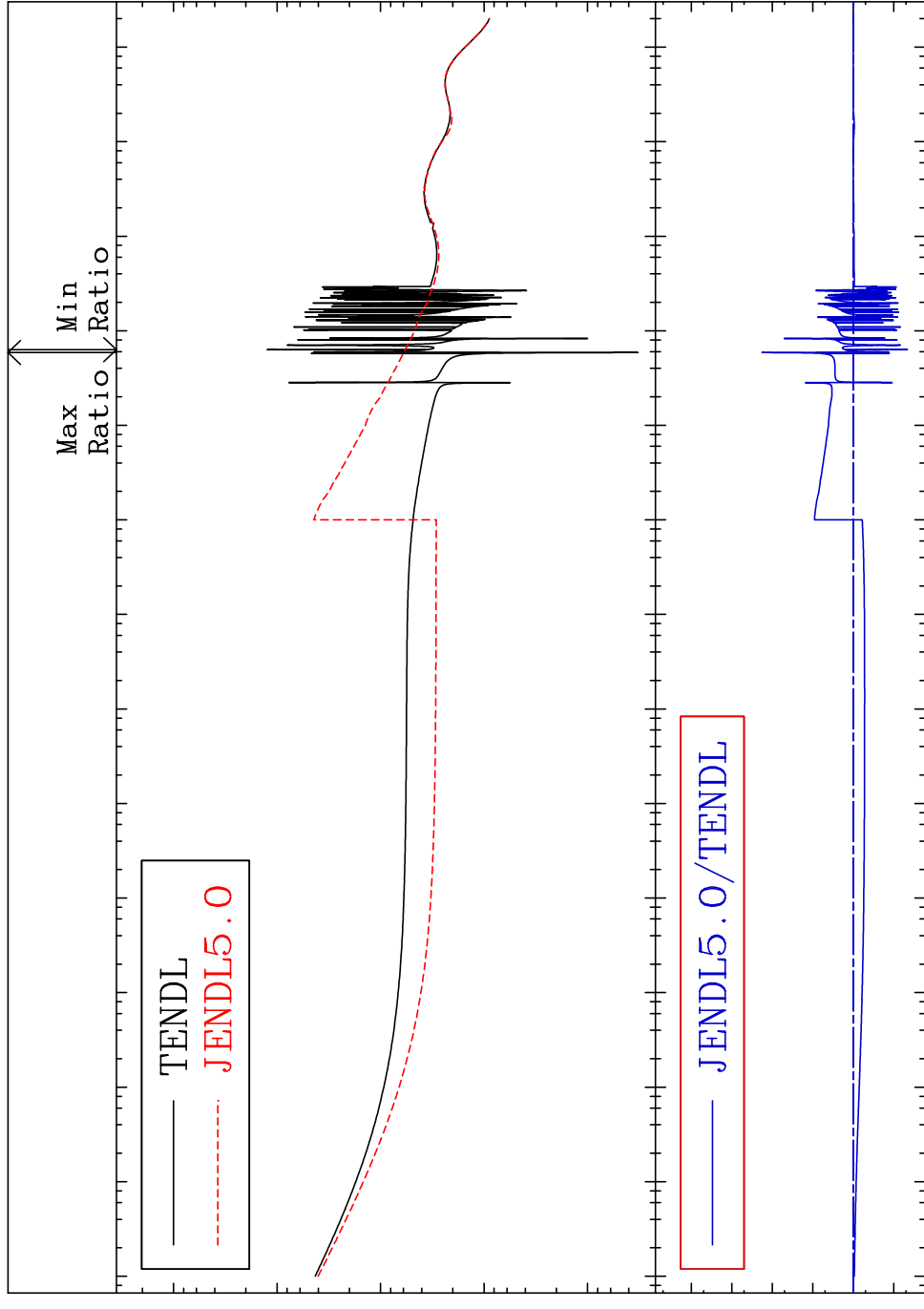
MAT 2043

Total

20-Ca-46

Cross Section

-95.36 To 9999. %



10³
10²
10¹
10⁰
10⁻¹

Cross Section (barns)

10²
10⁰

Ratio

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

1

Incident Energy (eV)

20-Ca-46

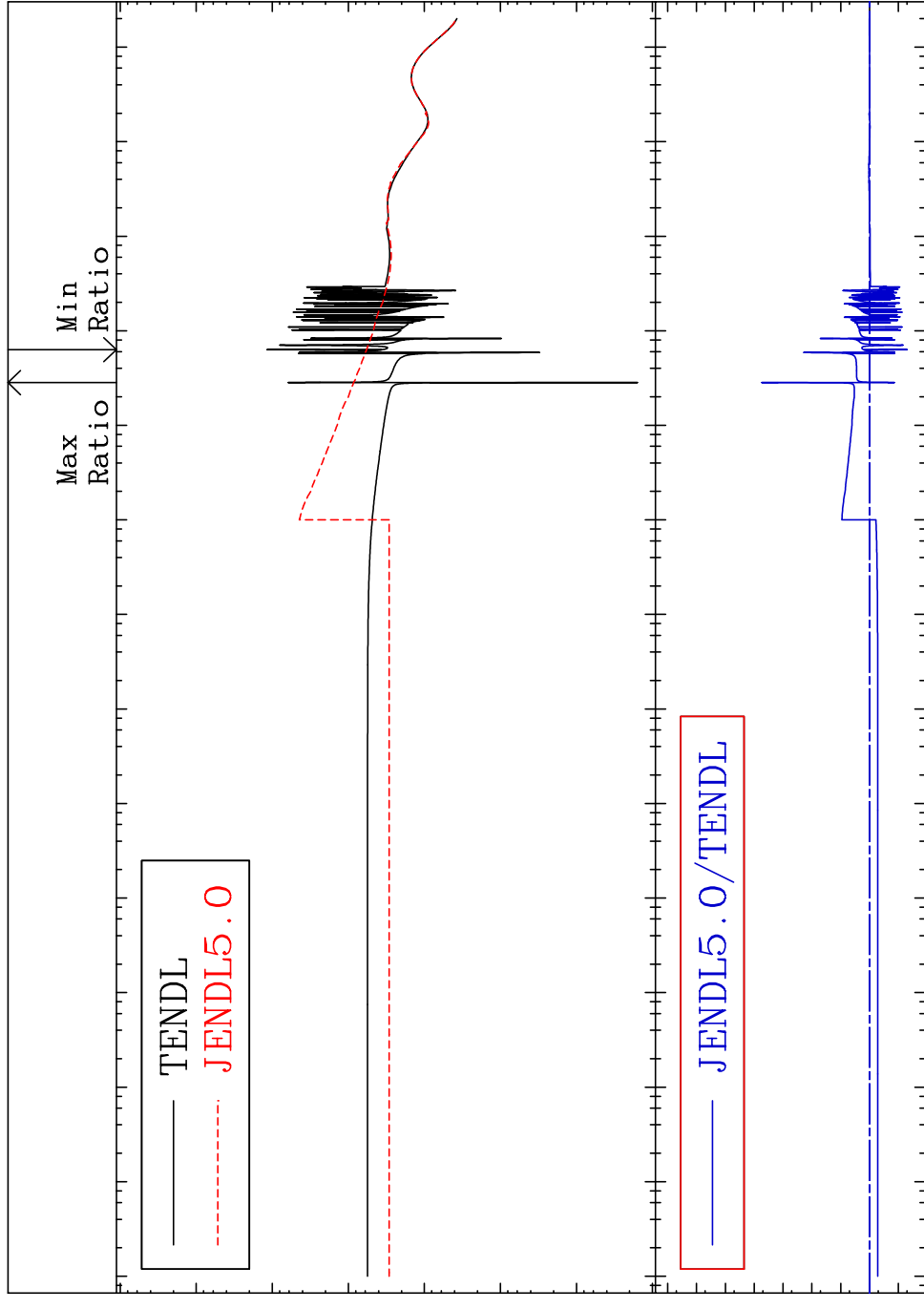
MAT 2043

Elastic

20-Ca-46

Cross Section

-95.06 To 9999. %



Cross Section (barns)

10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}
 10^{-3}

Ratio

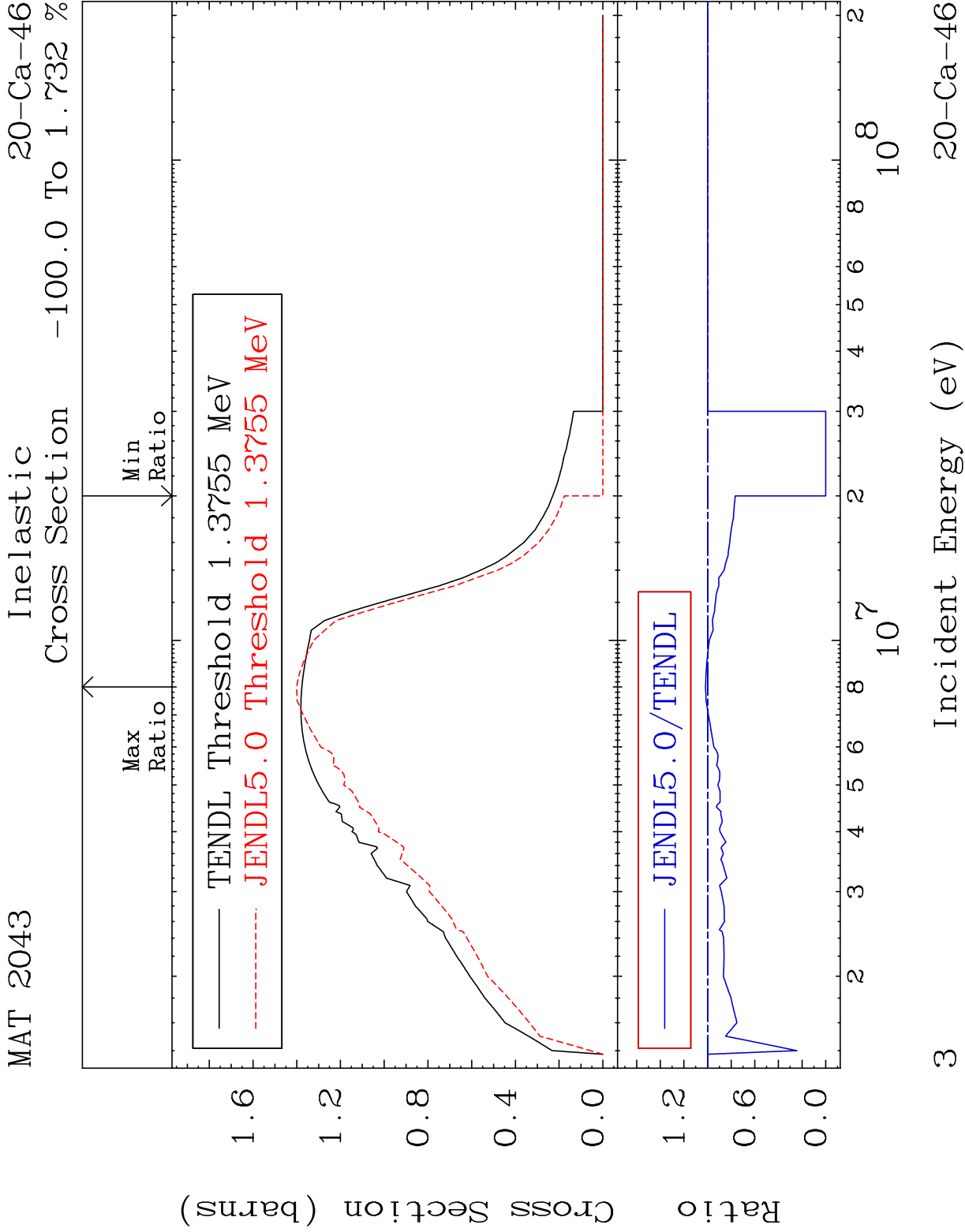
10^3
 10^0

Incident Energy (eV)

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

2

20-Ca-46

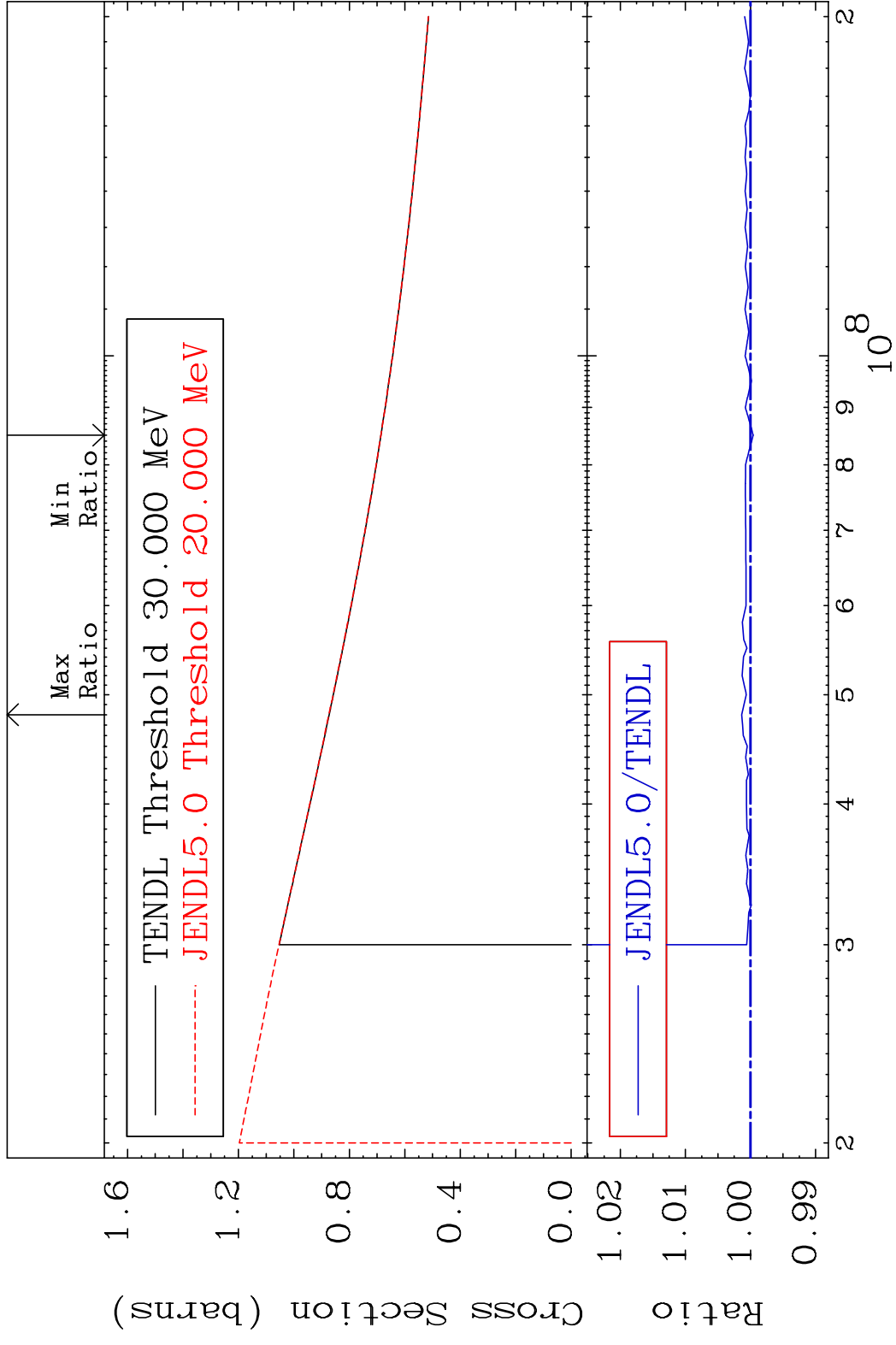


MAT 2043

(n, remainder)

20-Ca-46

Cross Section -0.042 To 0.135 %

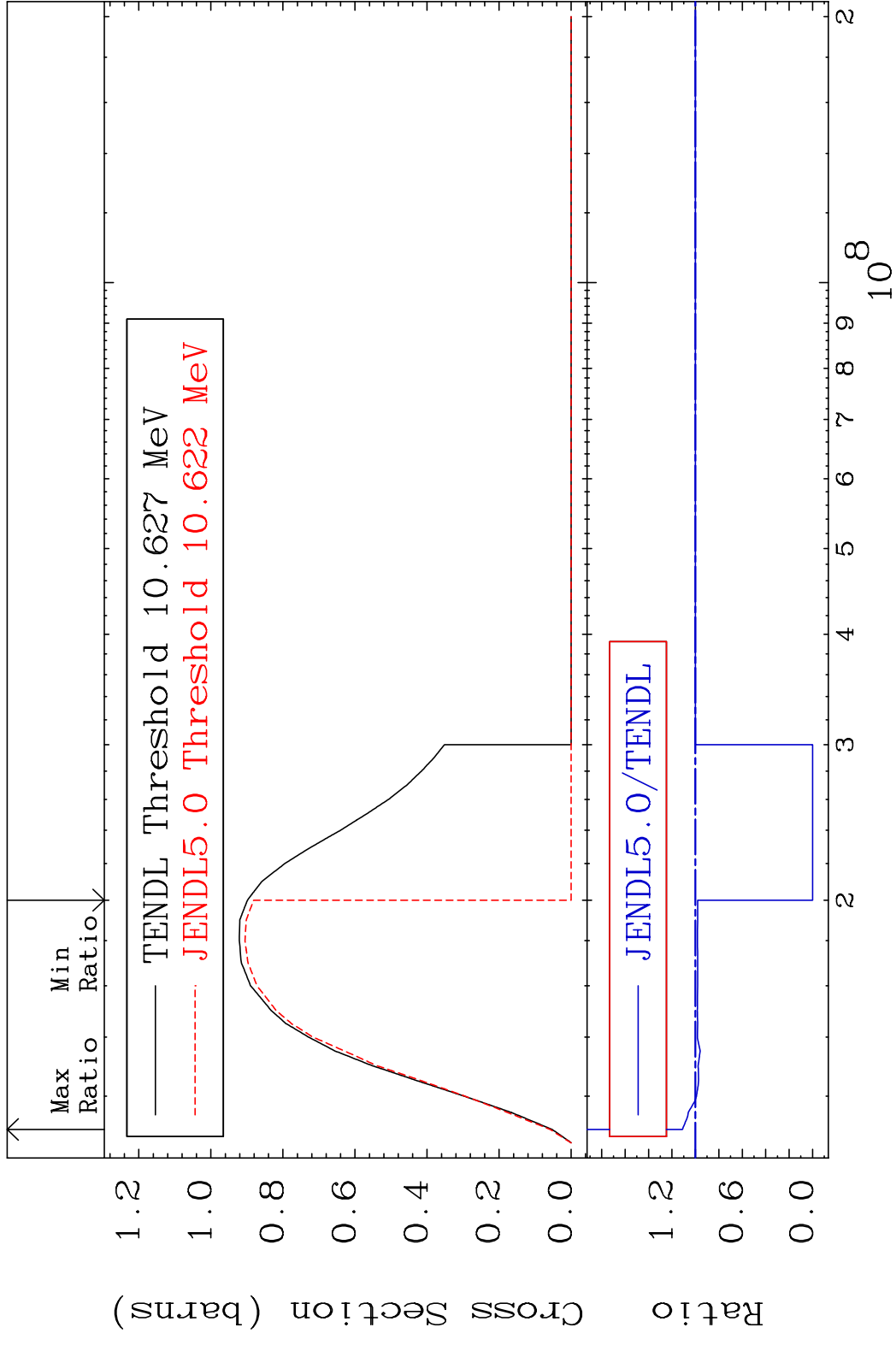


4

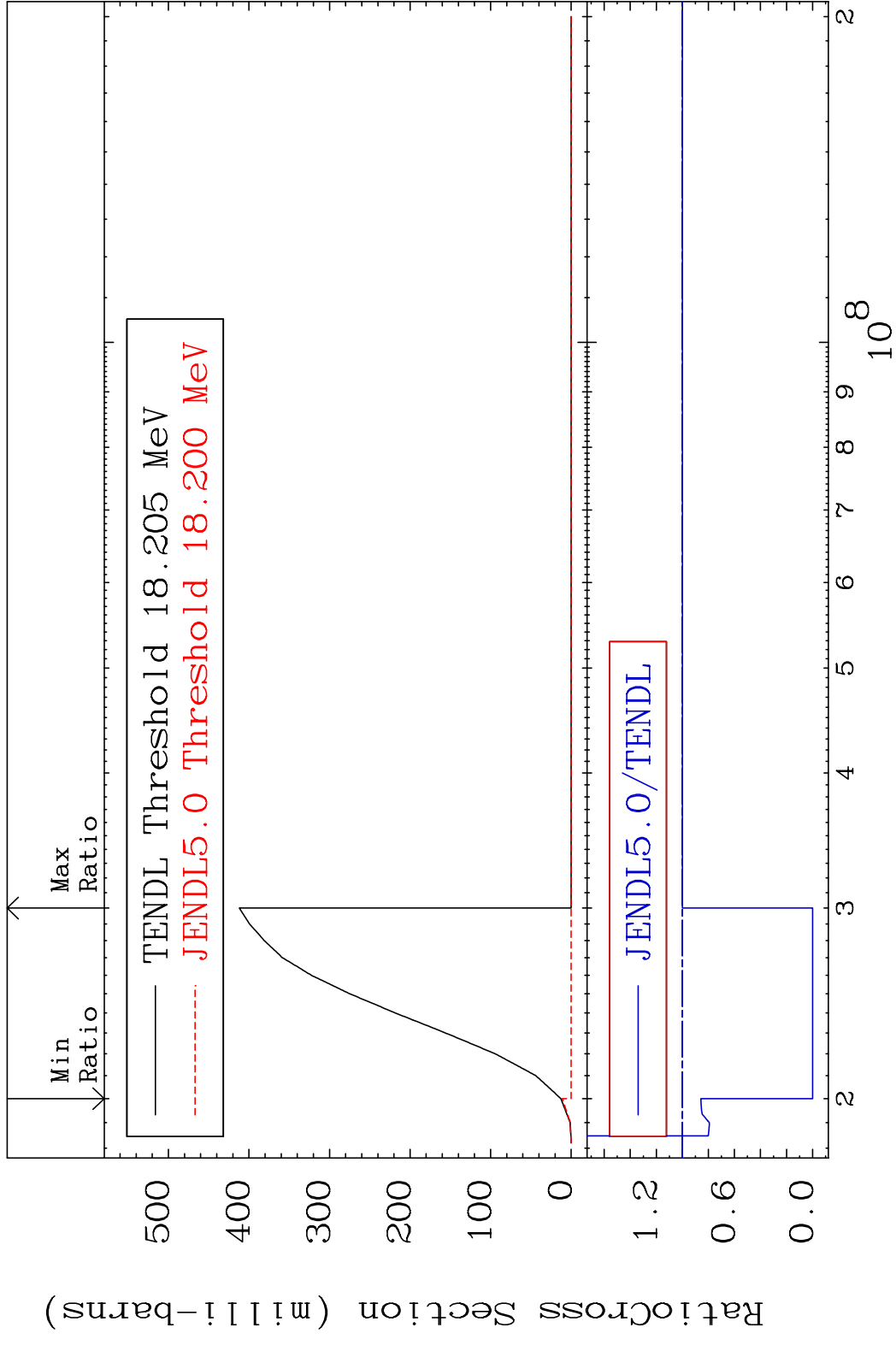
Incident Energy (eV)

20-Ca-46

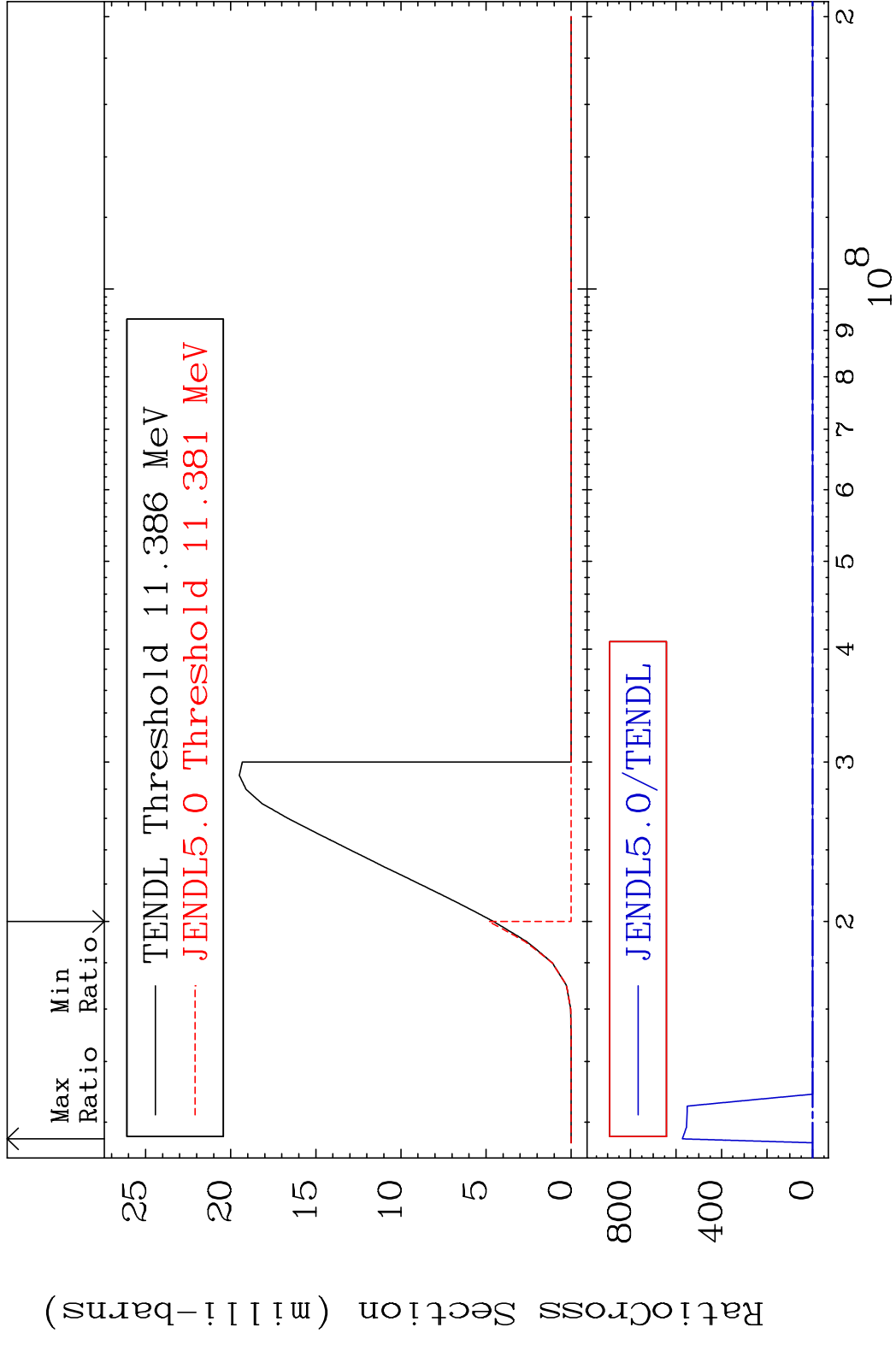
MAT 2043 (n,2n) 20-Ca-46
 Cross Section -100.0 To 11.15 %



MAT 2043 (n,3n) 20-Ca-46
 Cross Section -100.0 To 0.000 %

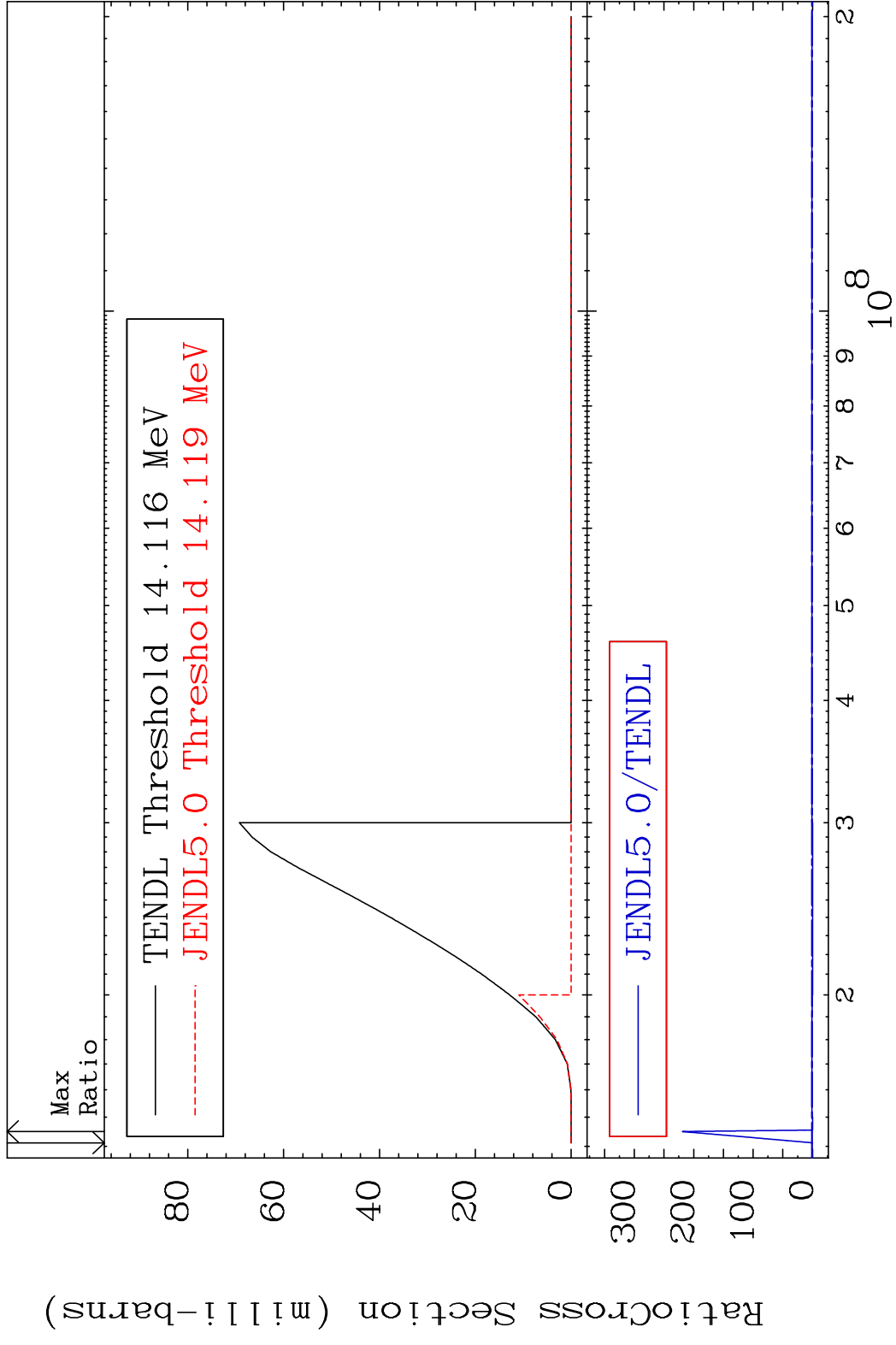


MAT 2043 (n, n') α 20-Ca-46
 Cross Section -100.0 To 9999. %

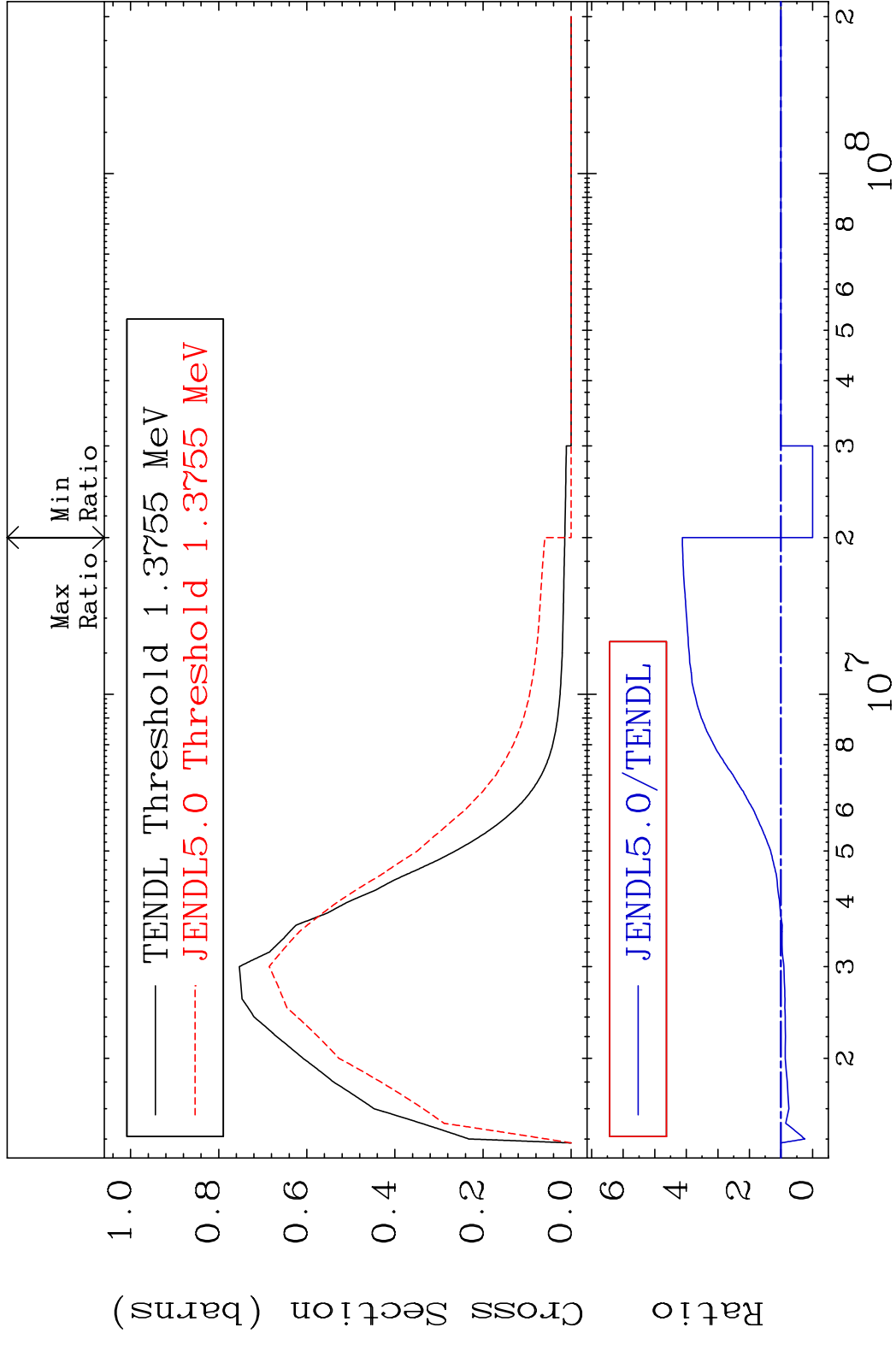


7 Incident Energy (eV) 20-Ca-46

MAT 2043 (n, n') p 20-Ca-46
 Cross Section -100.0 To 9999. %

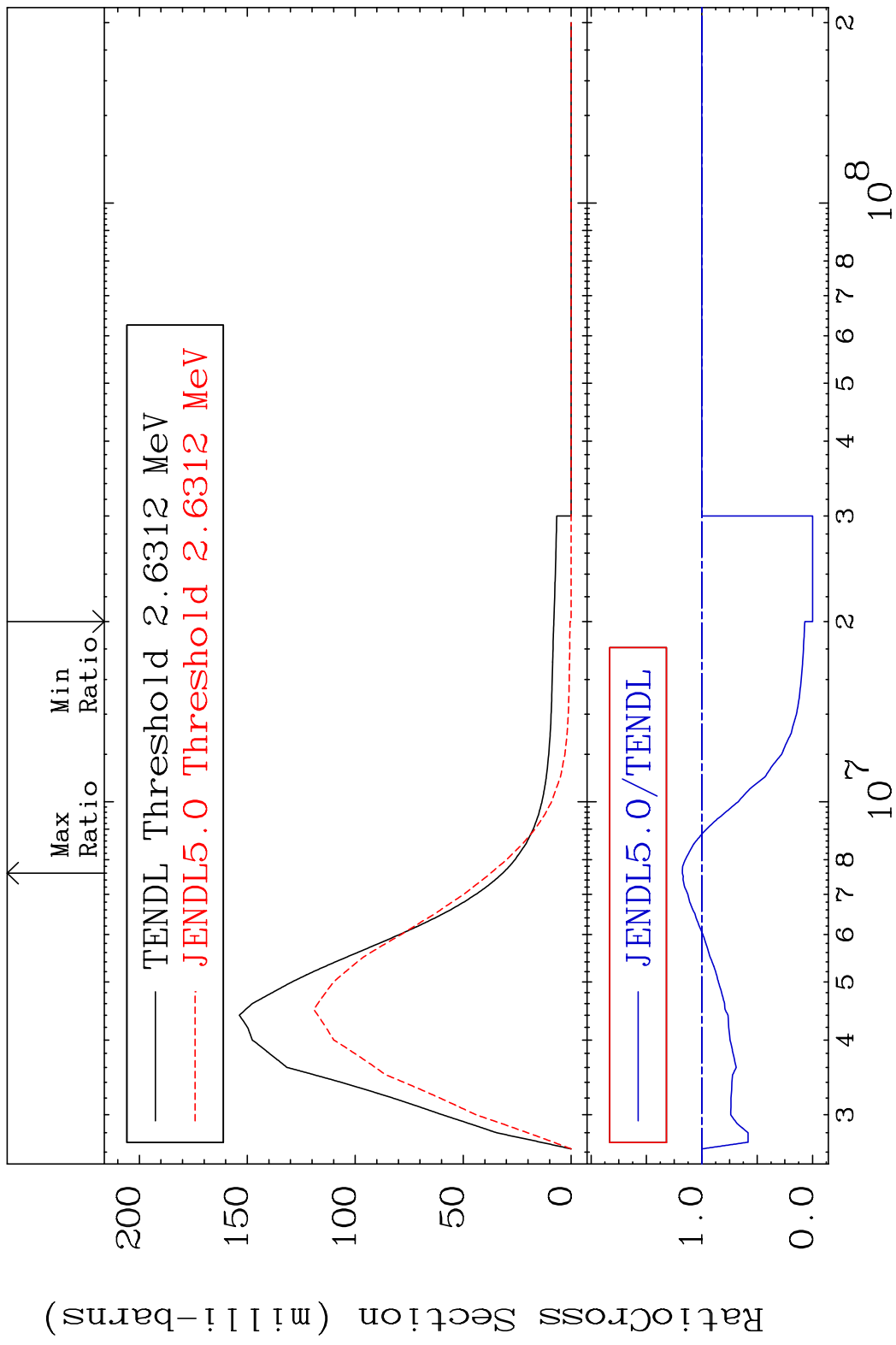


MAT 2043 MT= 51 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 312.5 %

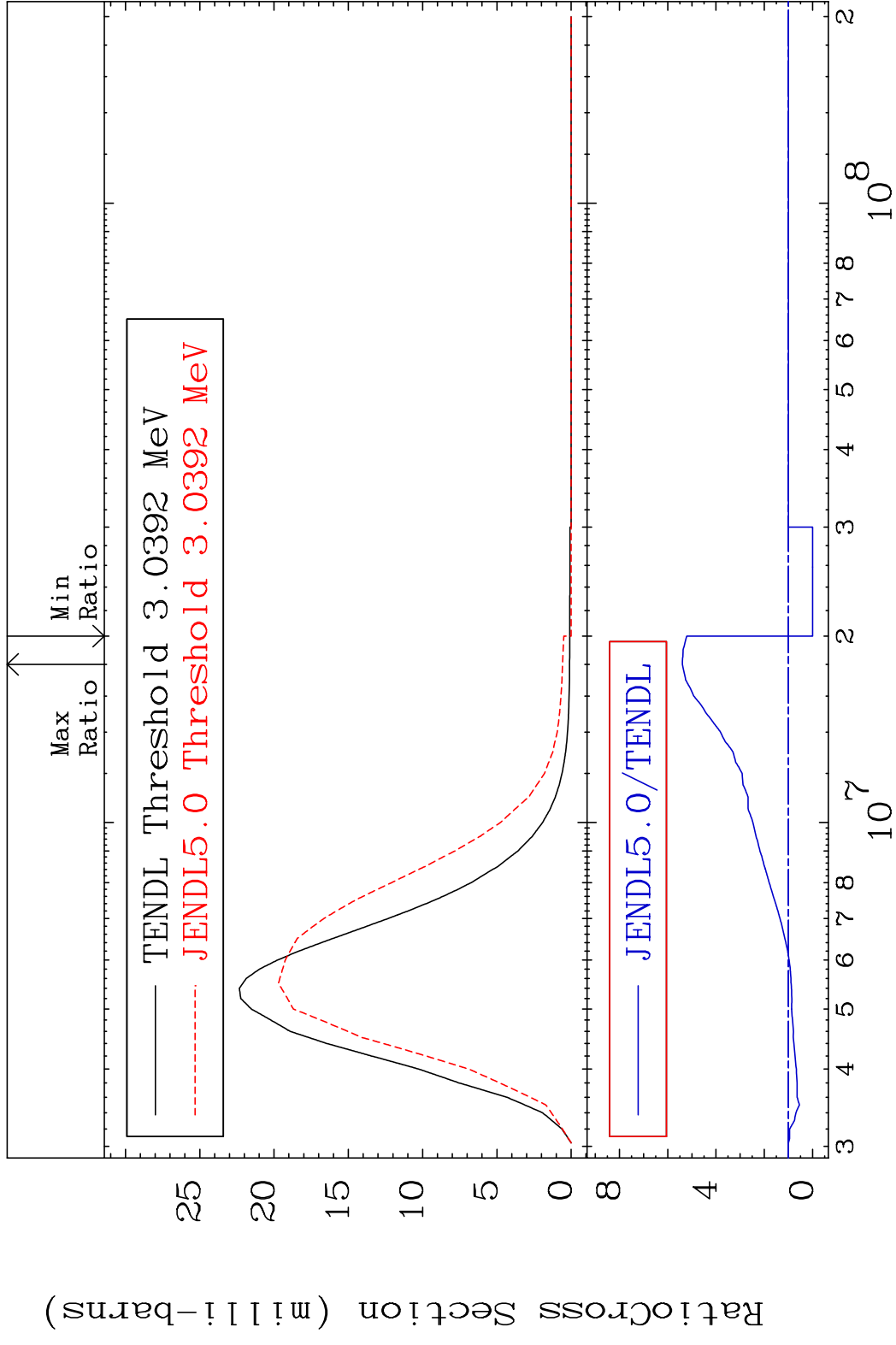


9 Incident Energy (eV) 20-Ca-46

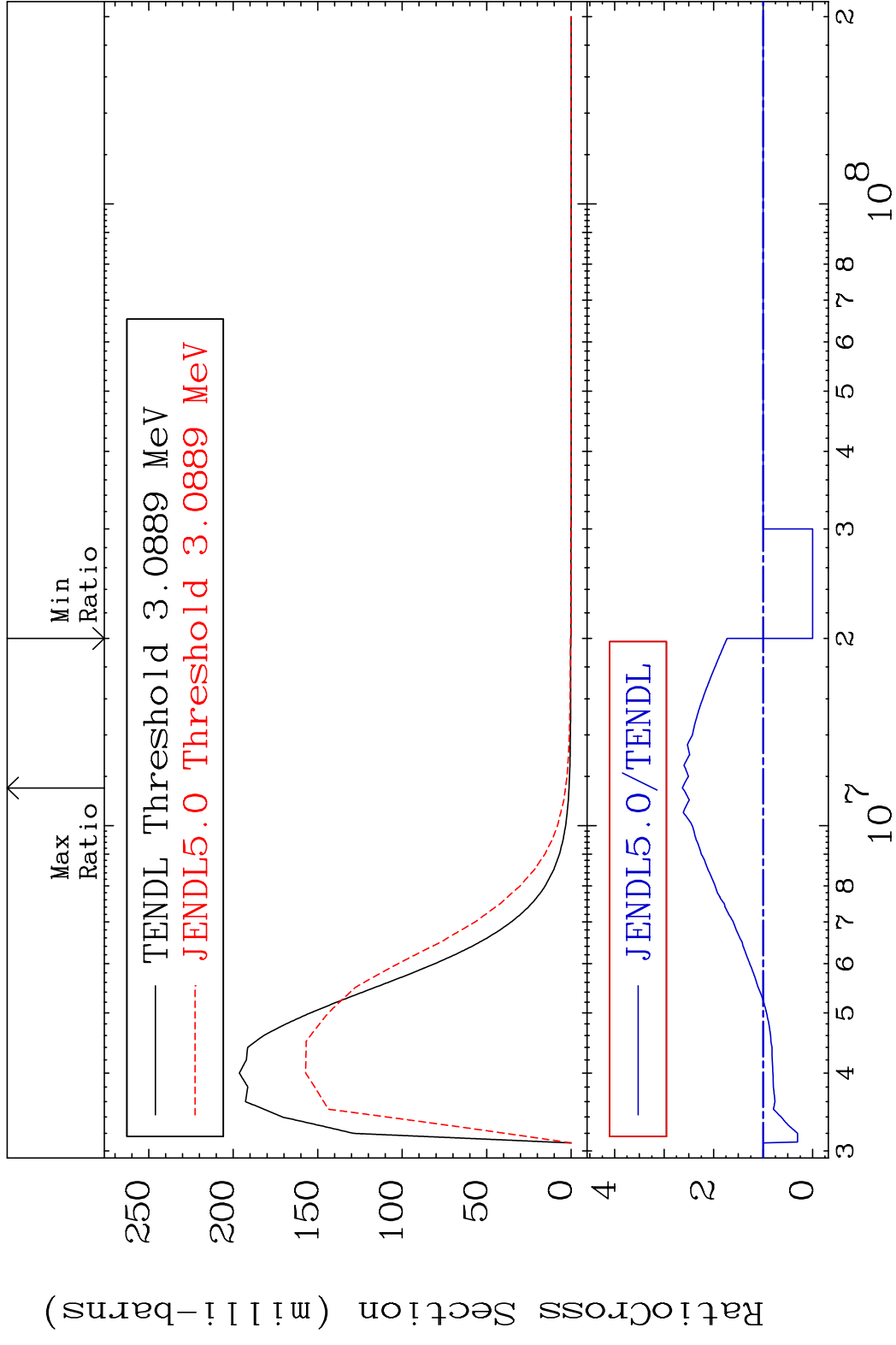
MAT 2043 MT= 53 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 17.59 %



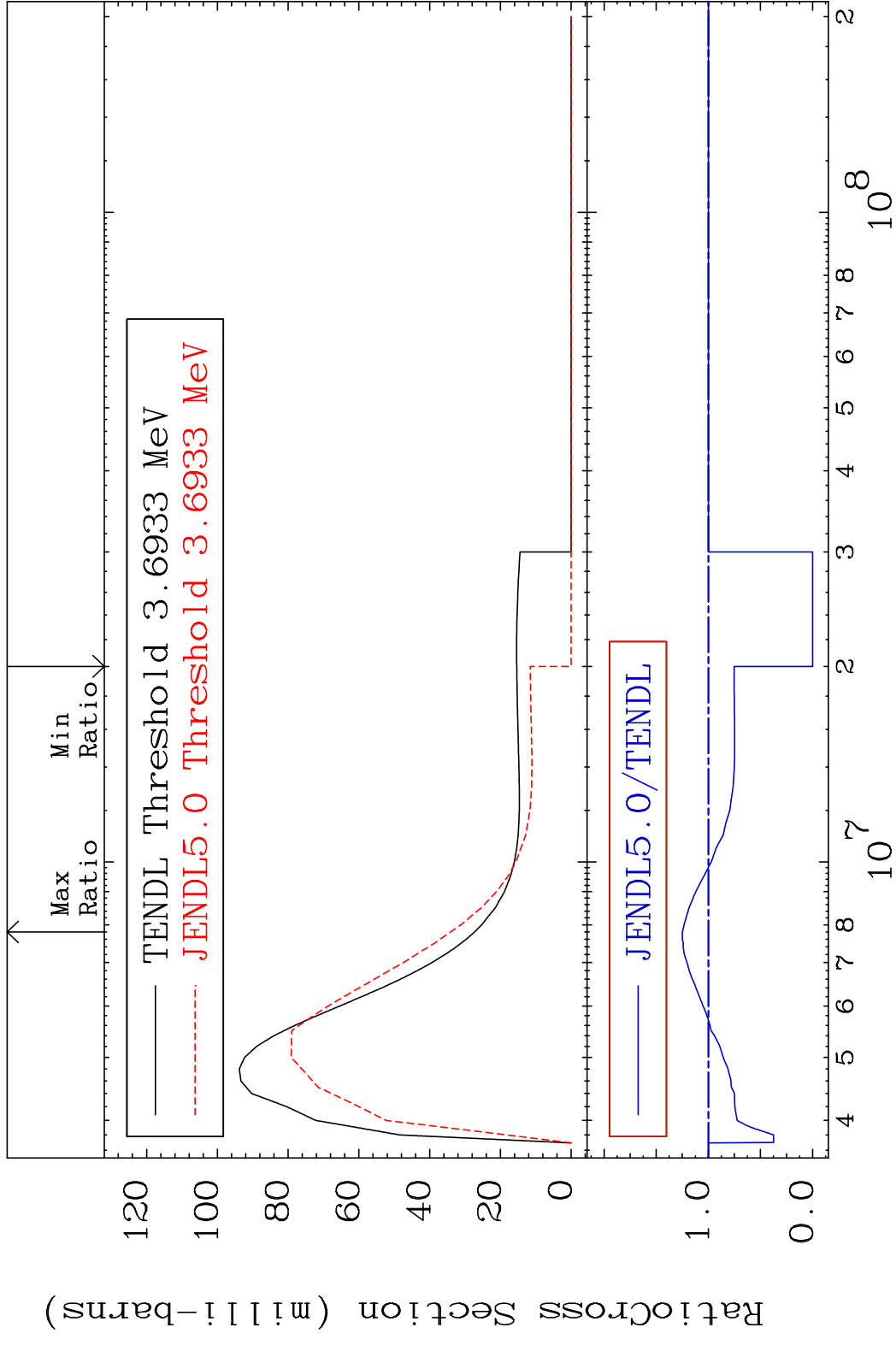
MAT 2043 MT= 54 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 439.5 %



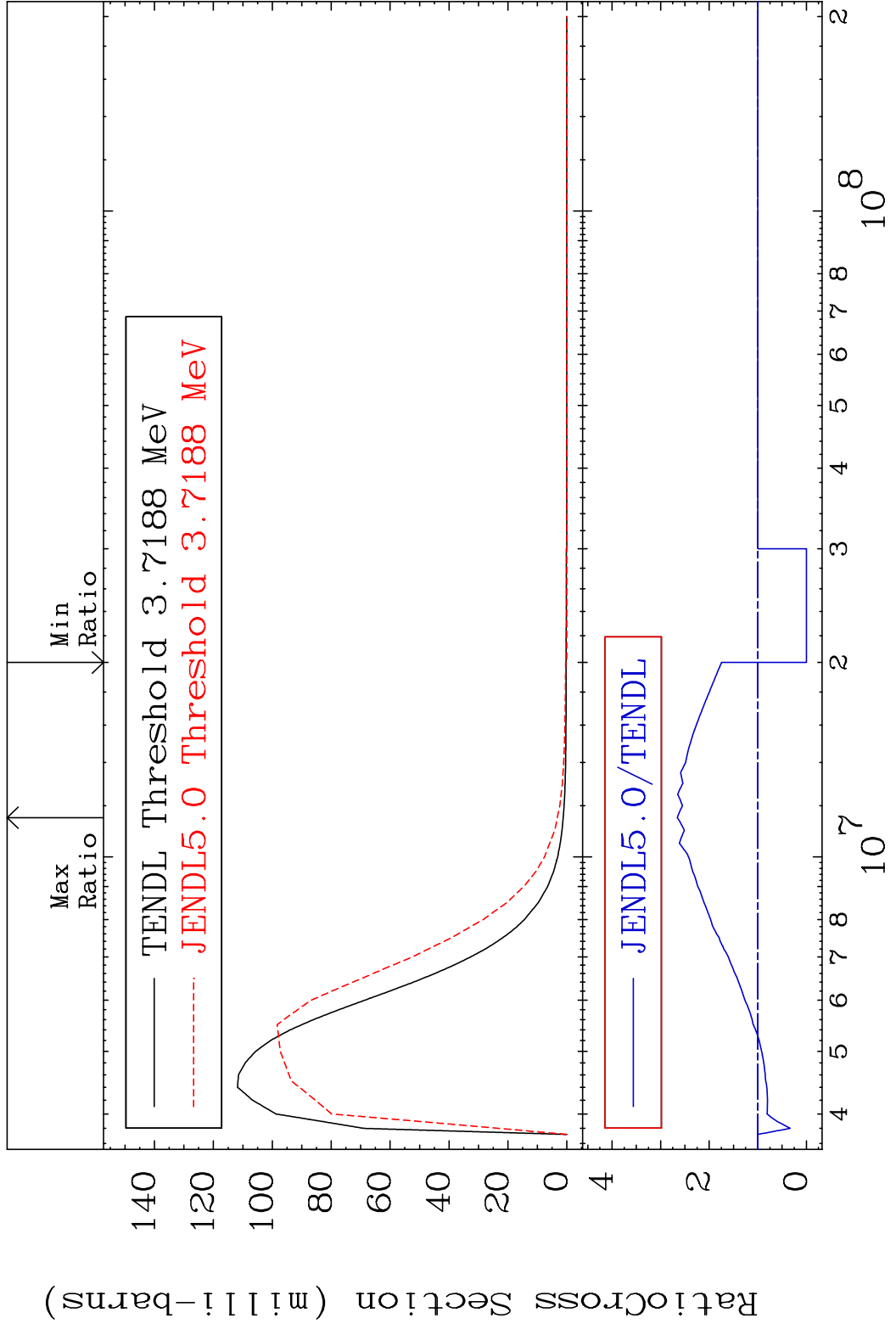
MAT 2043 MT= 55 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 163.1 %



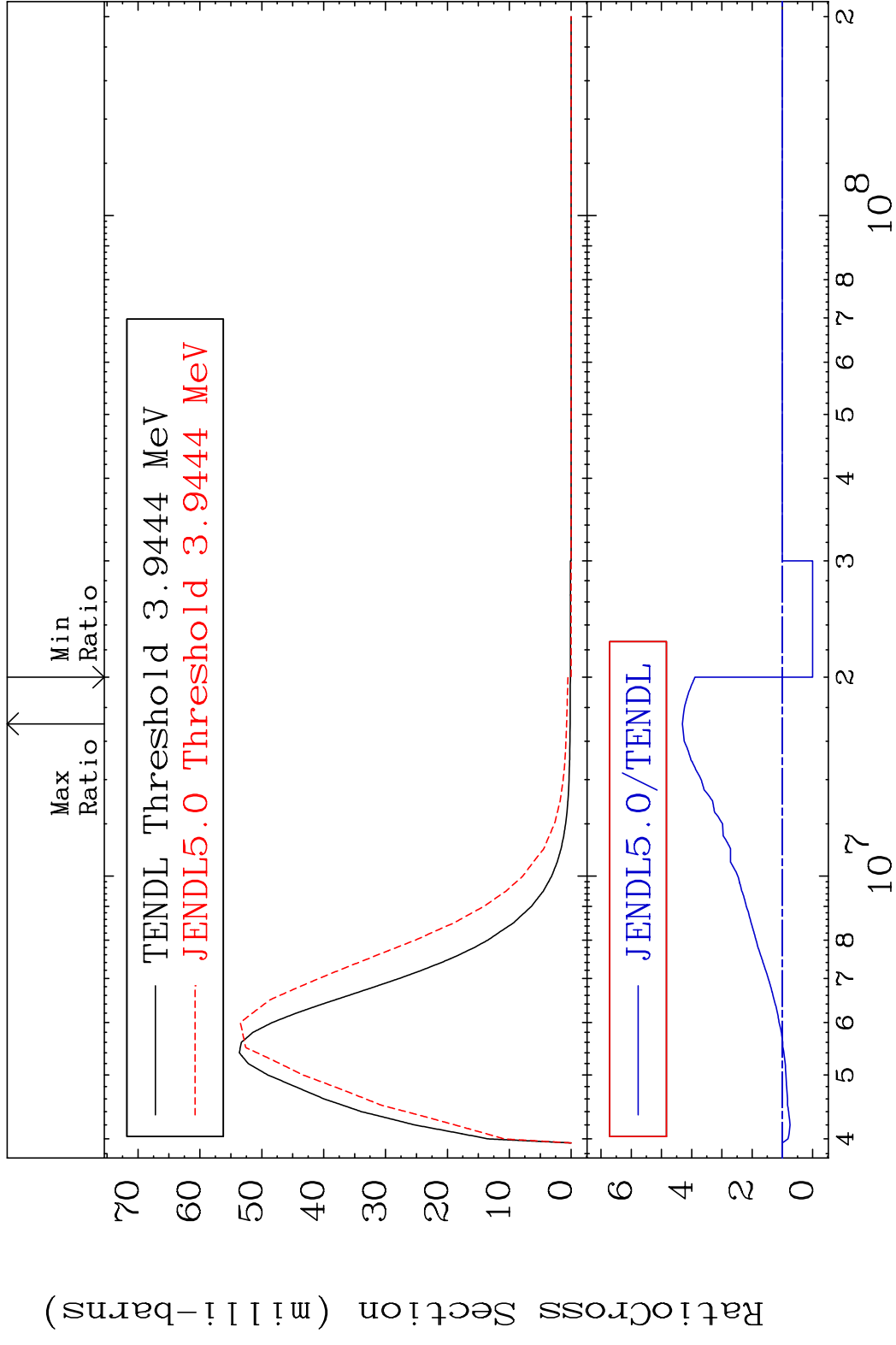
MAT 2043 MT= 56 (n,n') Level 20-Ca-46
 Cross Section -100.0 To 24.92 %



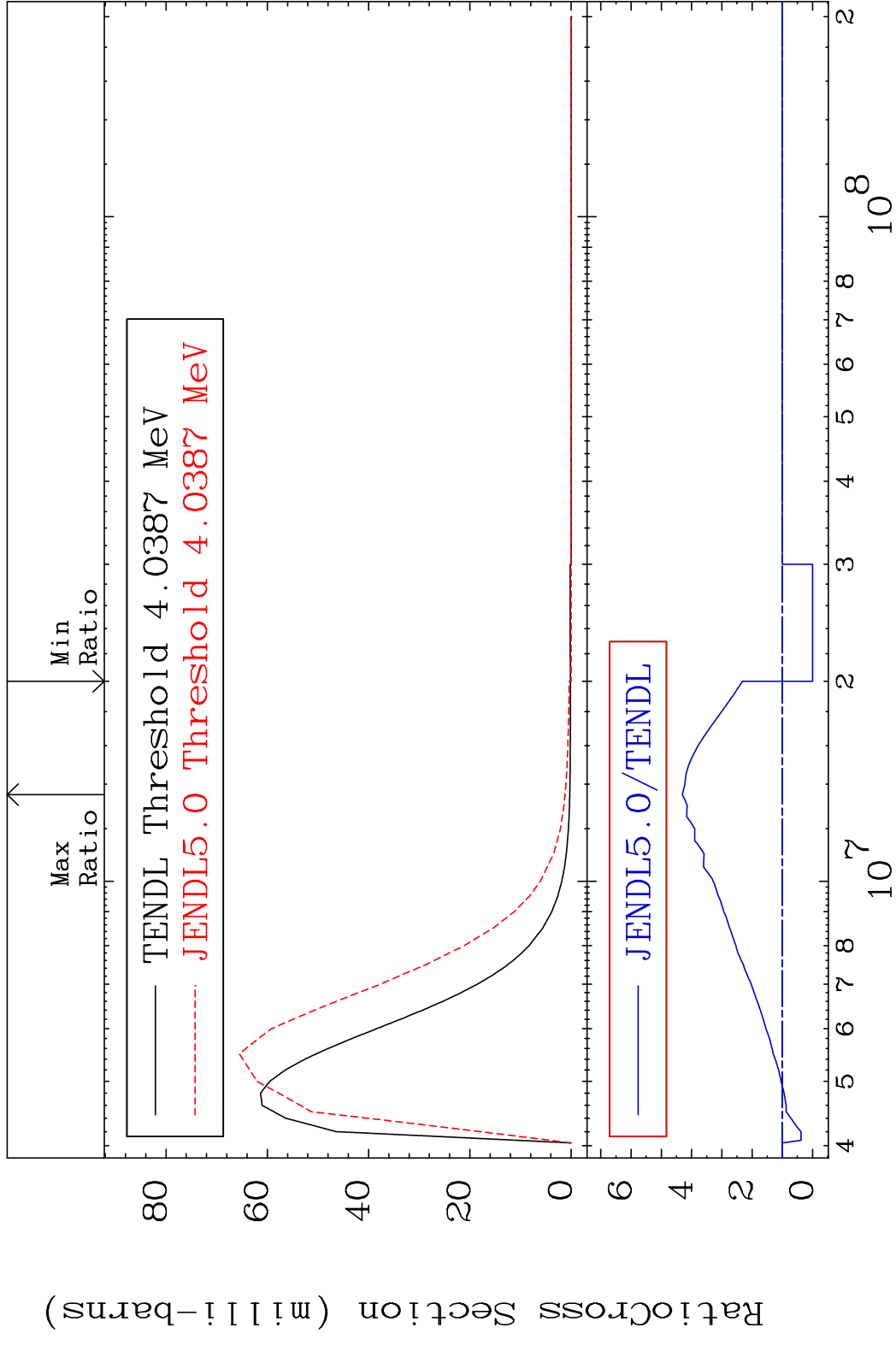
MAT 2043 MT= 57 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 165.9 %



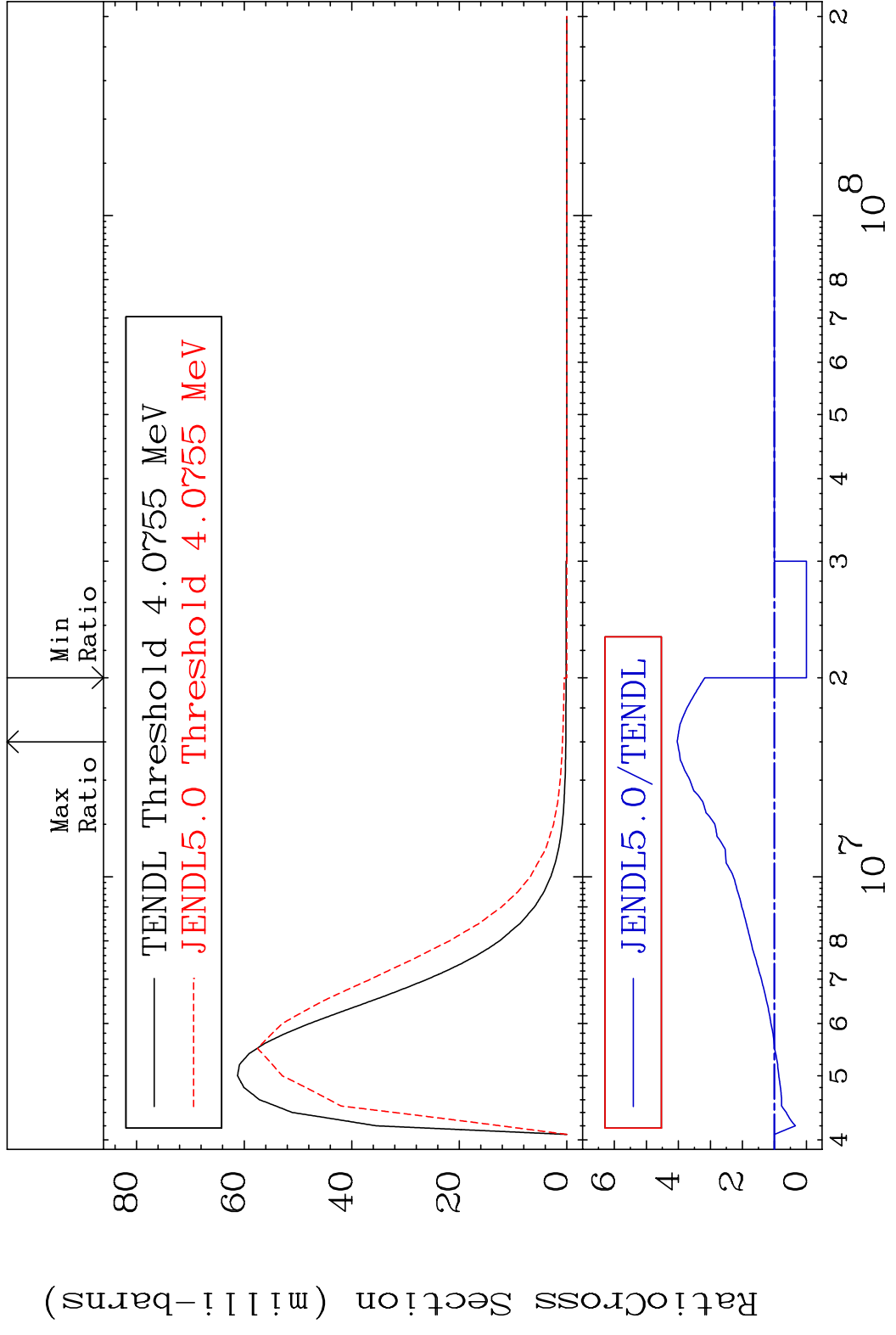
MAT 2043 MT= 58 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 330.9 %



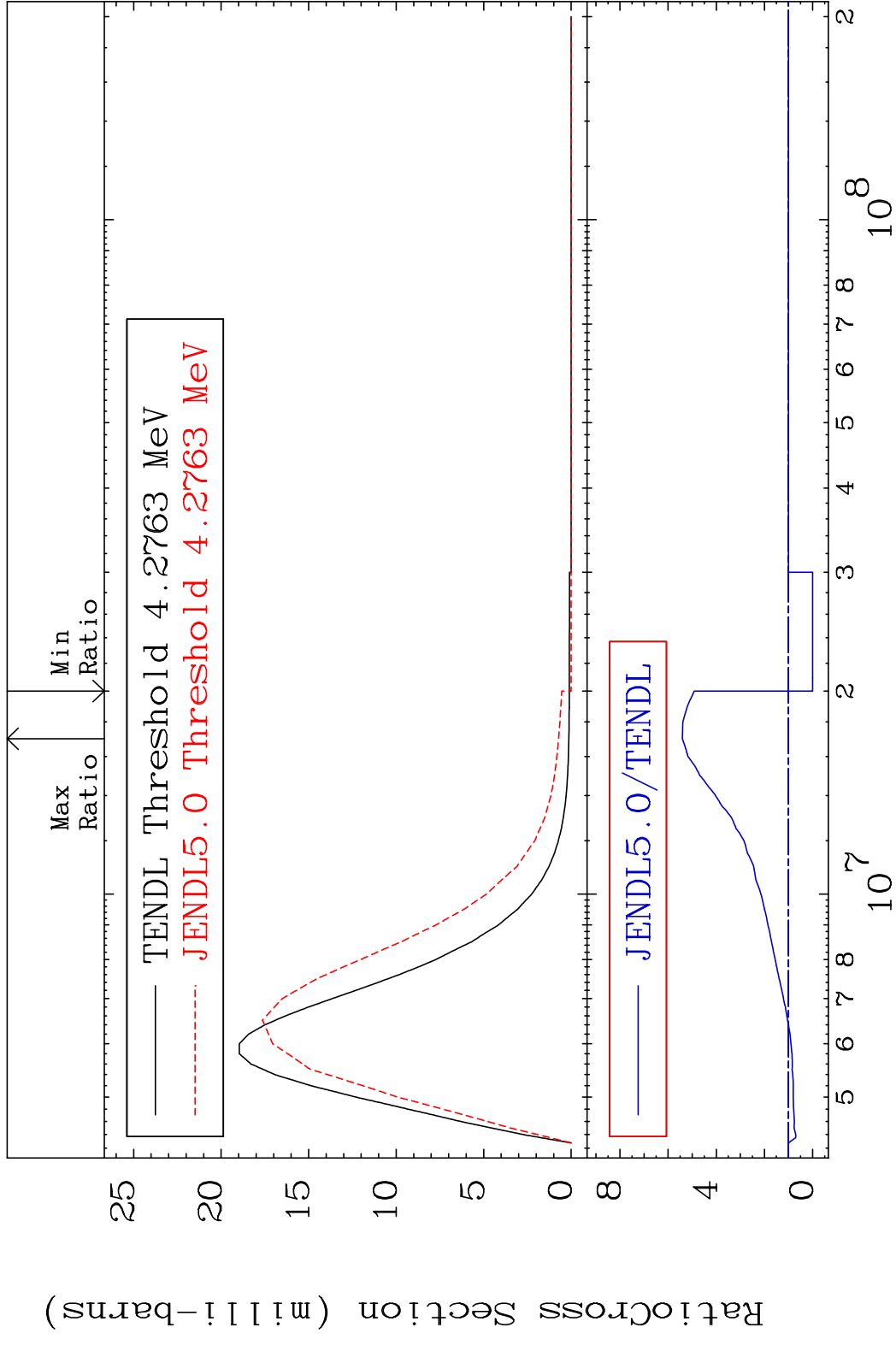
MAT 2043 MT= 59 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 330.5 %



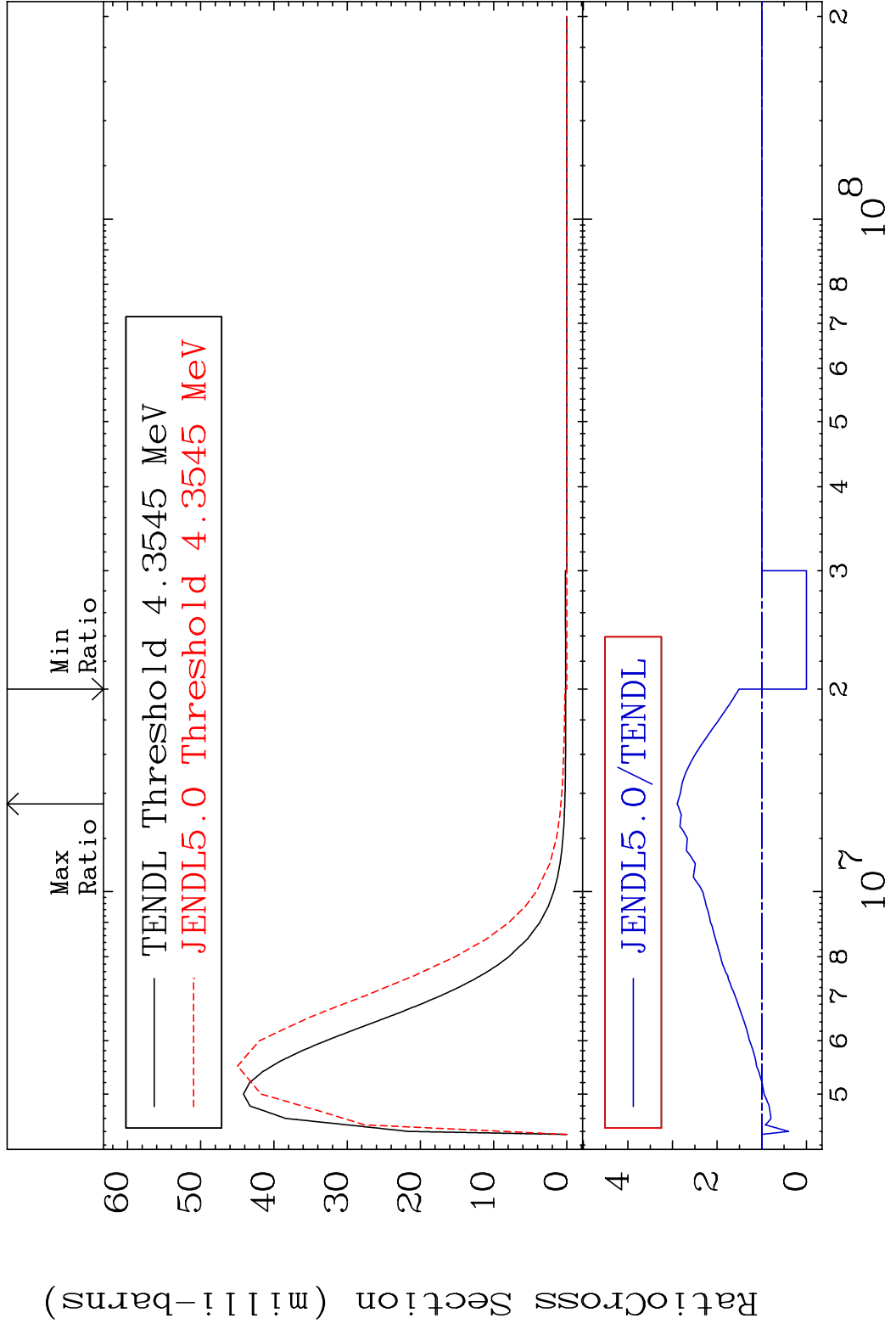
MAT 2043 MT= 60 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 303.7 %



MAT 2043 MT= 61 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 440.9 %

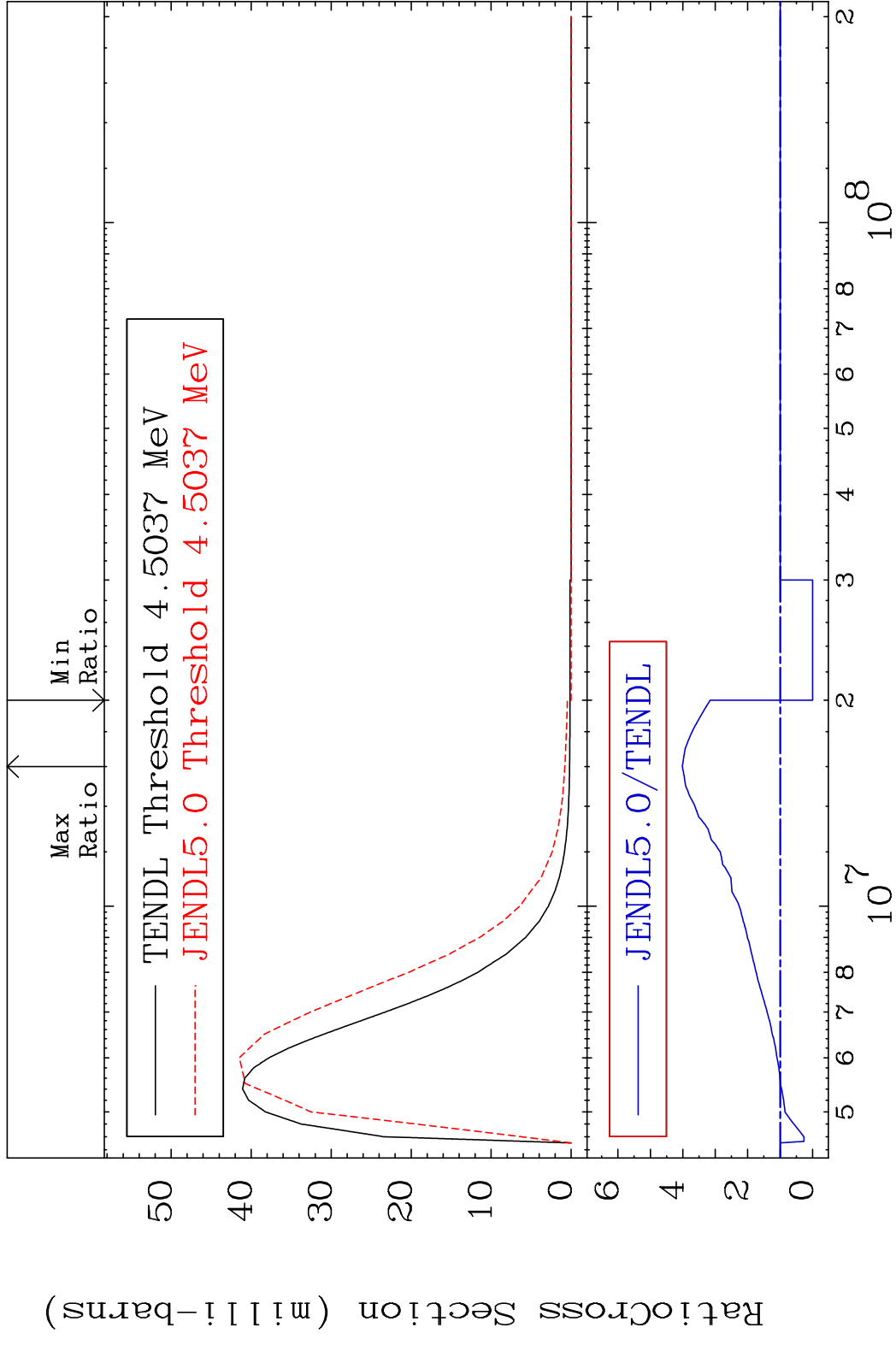


MAT 2043 MT= 62 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 189.6 %

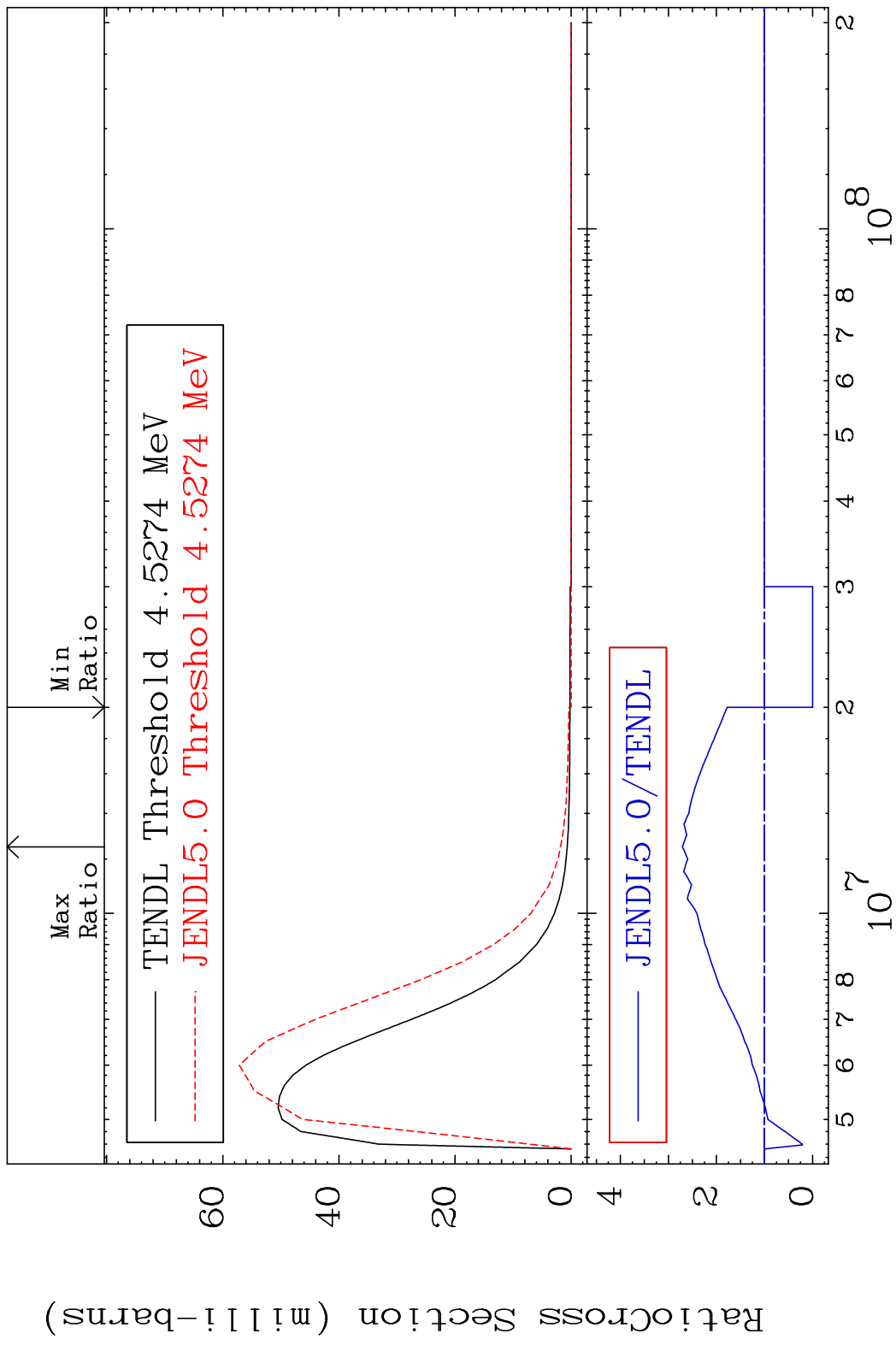


20 Incident Energy (eV) 20-Ca-46

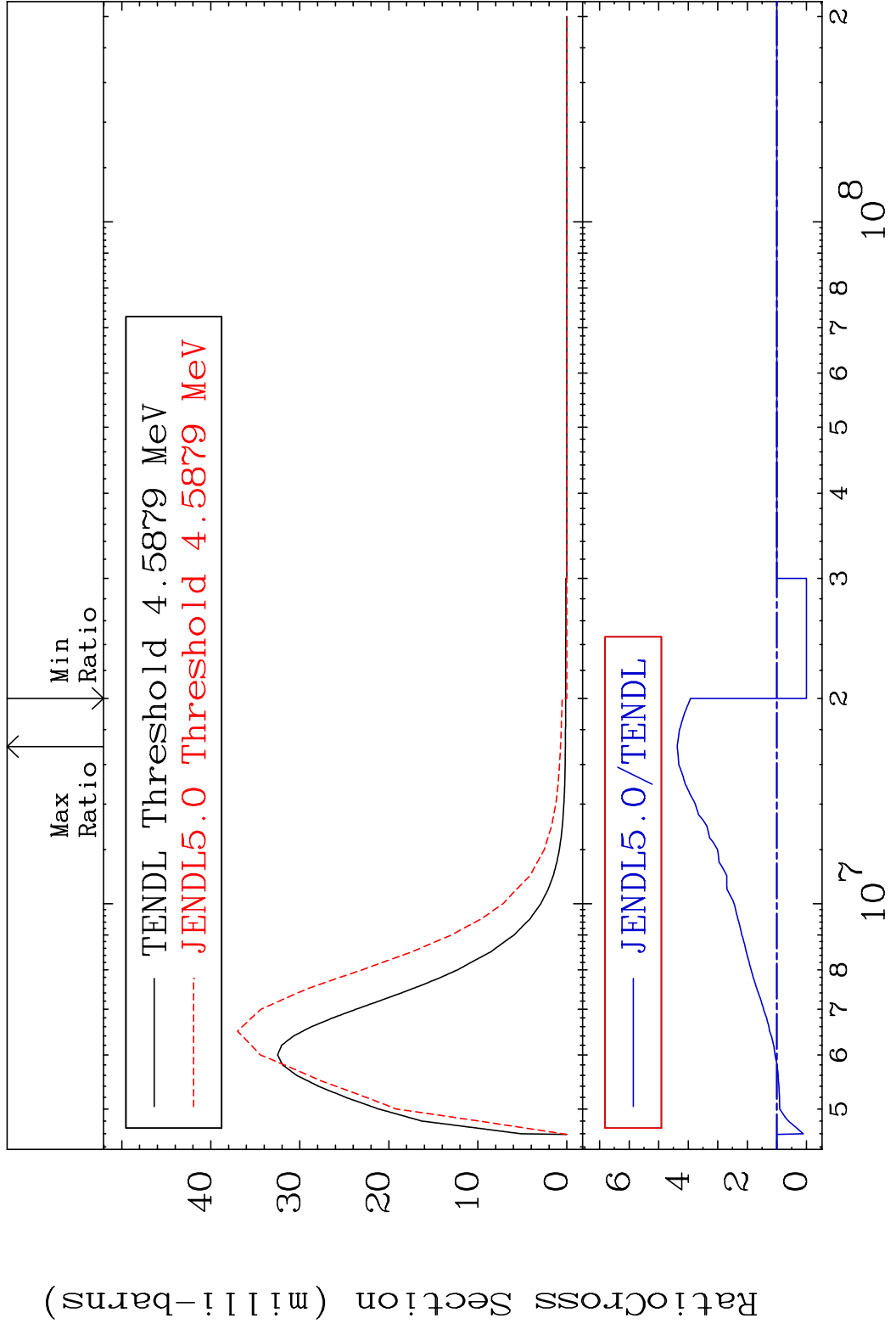
MAT 2043 MT= 63 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 301.4 %



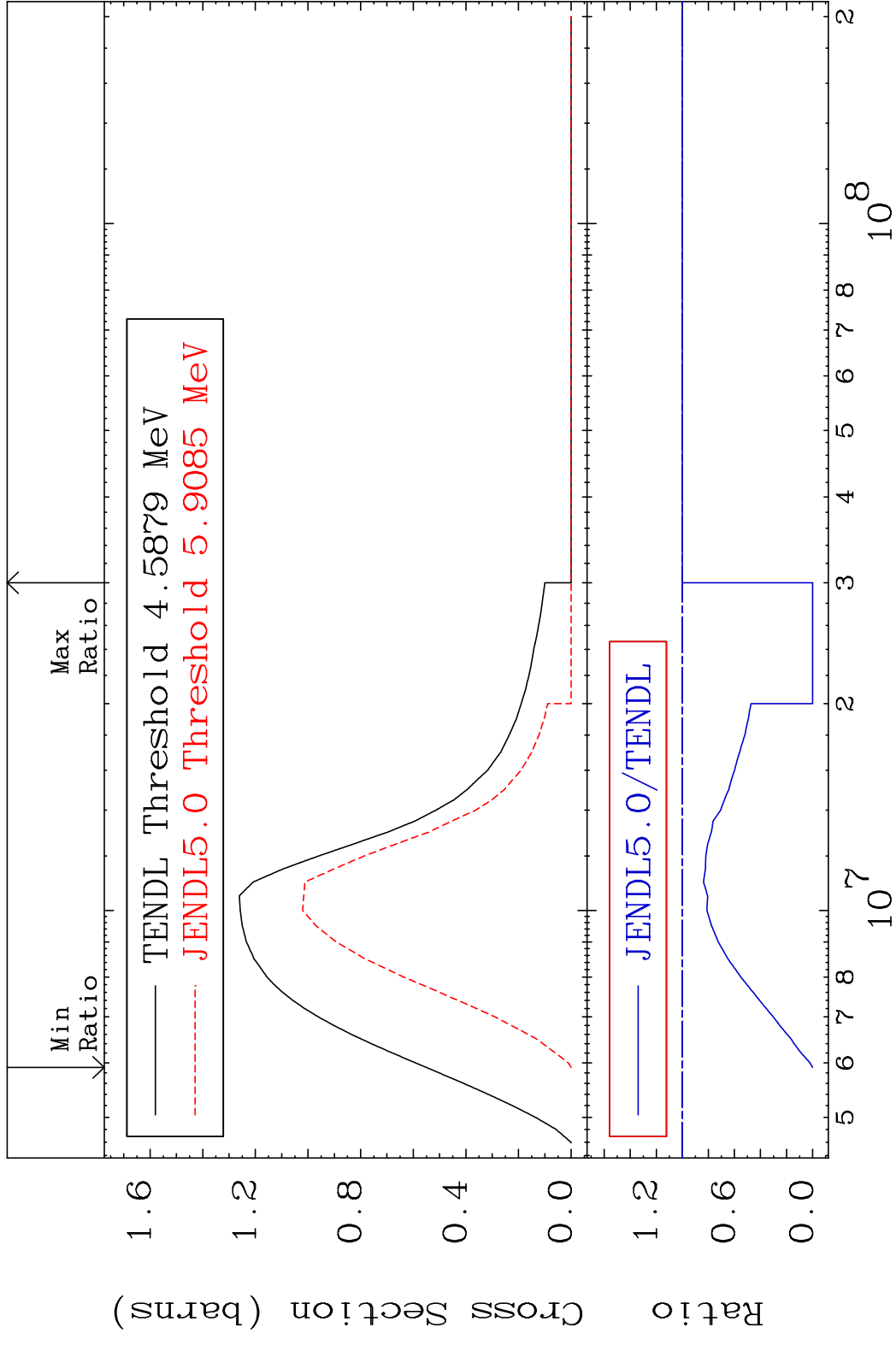
MAT 2043 MT= 64 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 170.9 %



MAT 2043 MT= 65 (n, n') Level 20-Ca-46
 Cross Section -100.0 To 337.3 %



MAT 2043 (n, n') Continuum 20-Ca-46
 Cross Section -100.0 To 0.000 %



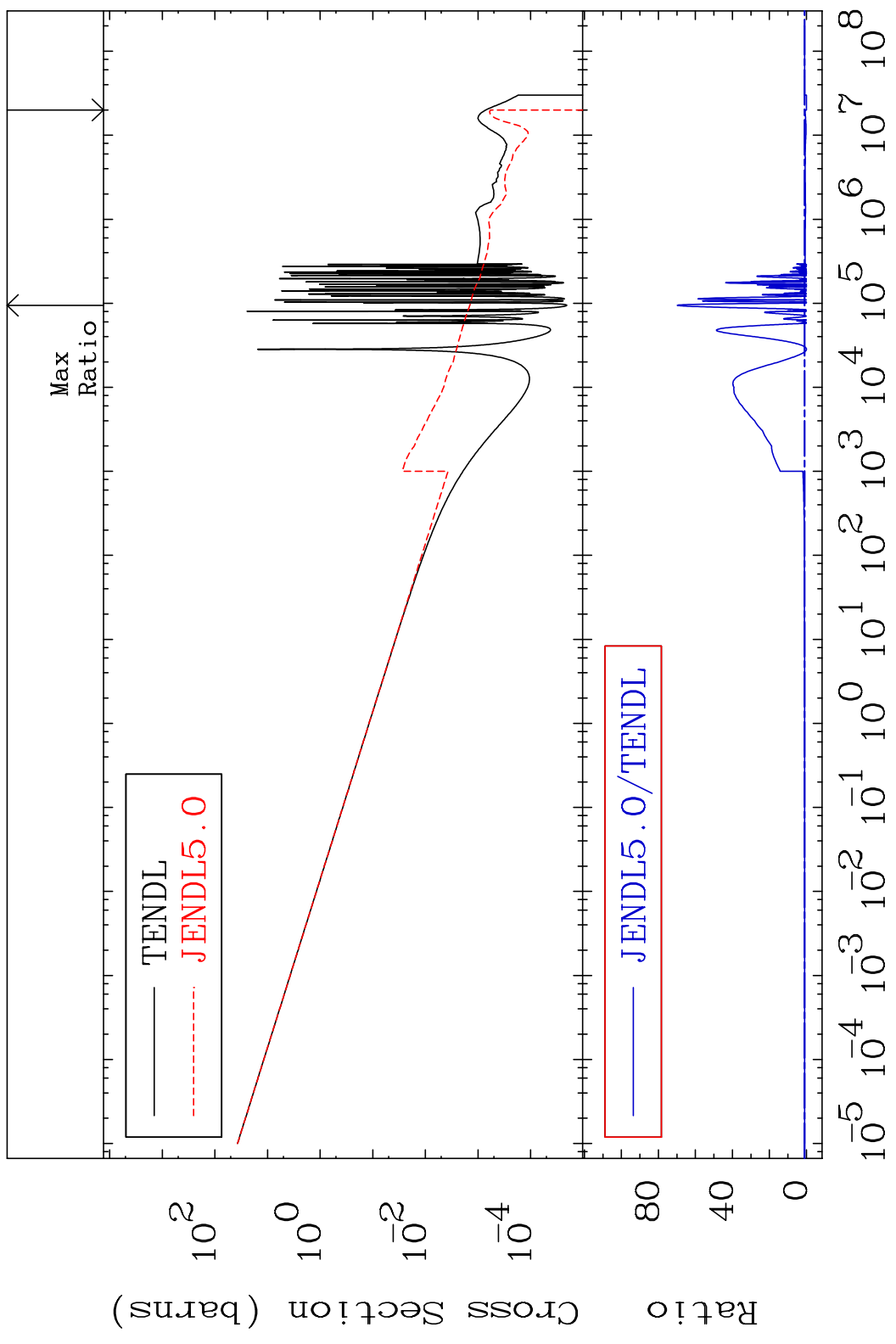
24 Incident Energy (eV) 20-Ca-46

MAT 2043

(n, γ)

20-Ca-46

Cross Section -100.0 To 6885. %

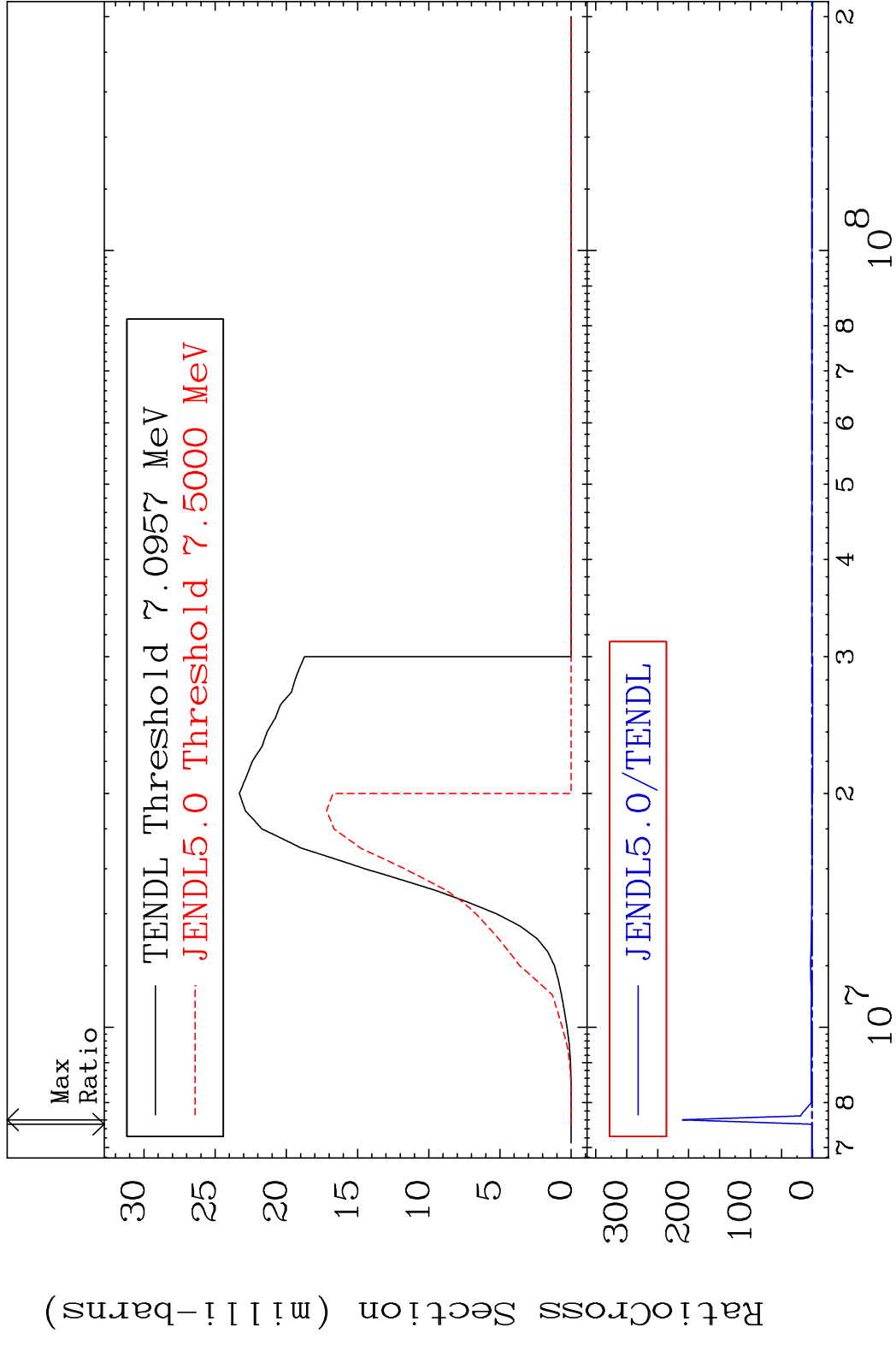


25

Incident Energy (eV)

20-Ca-46

MAT 2043 (n,p) 20-Ca-46
 Cross Section -100.0 To 9999. %

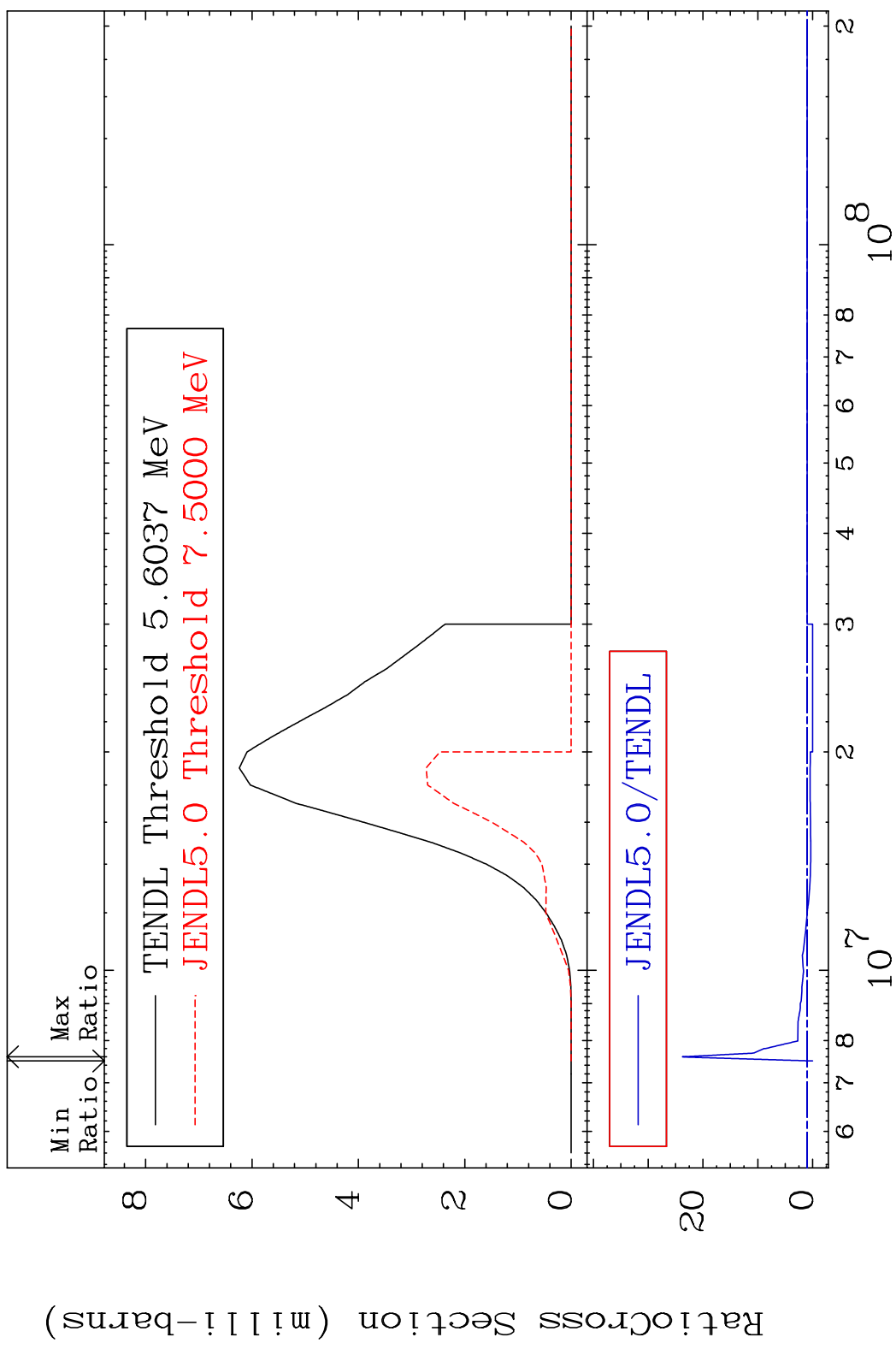


MAT 2043

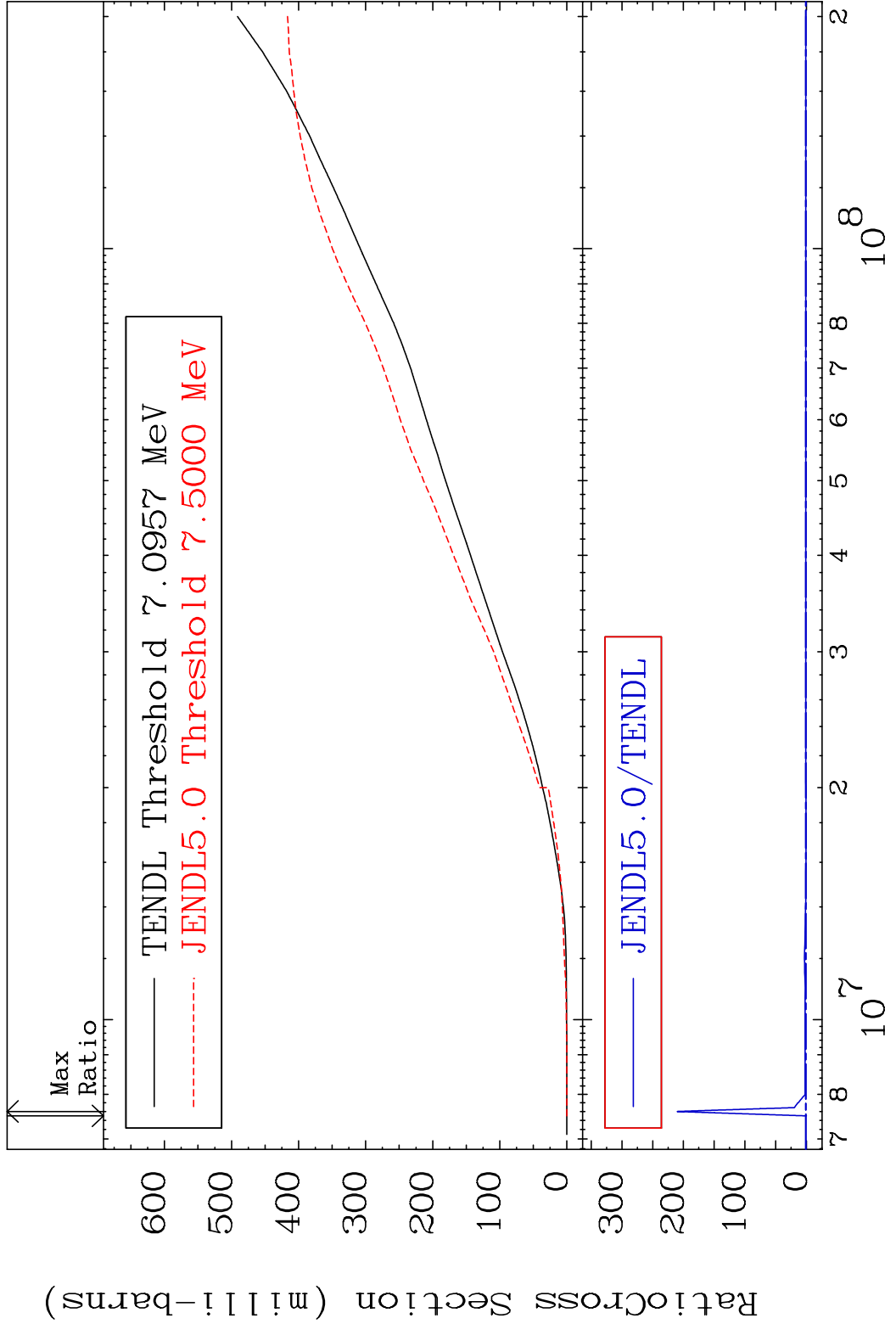
(n, α)

20-Ca-46

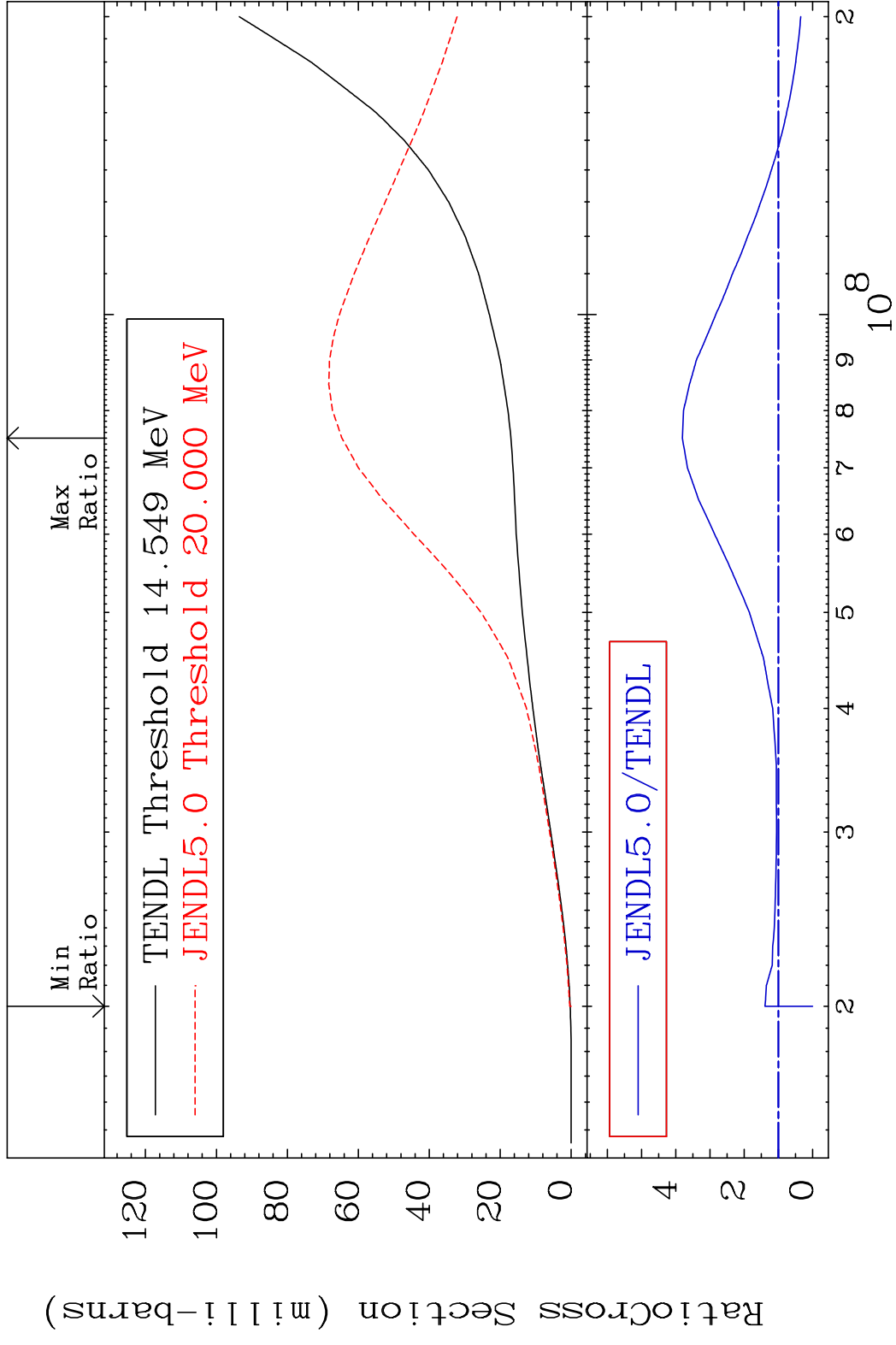
Cross Section -100.0 To 2276. %



MAT 2043 Hydrogen Production 20-Ca-46
Cross Section -100.0 To 9999. %



MAT 2043 Tritium Production 20-Ca-46
 Cross Section -100.0 To 280.9 %

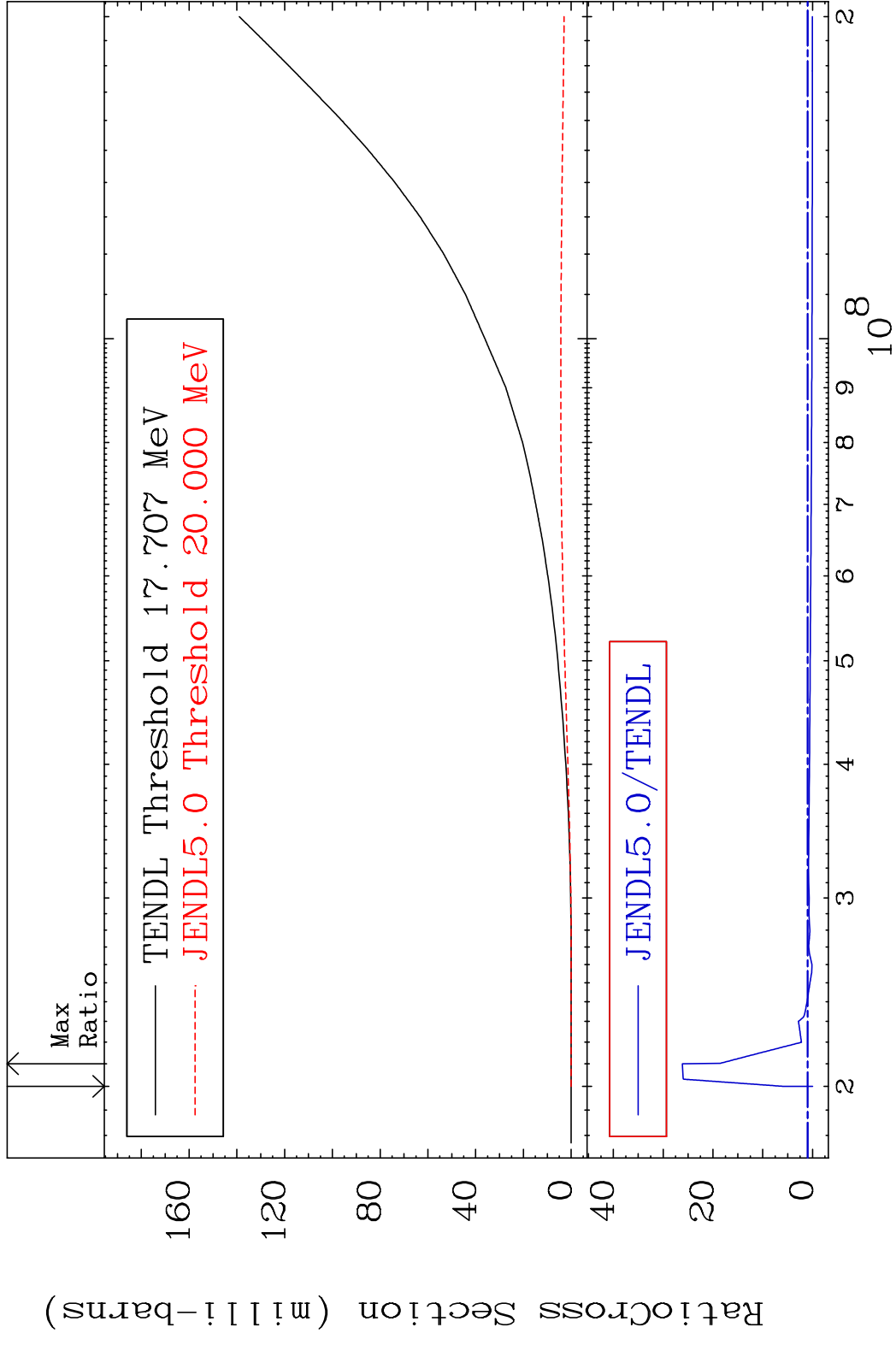


MAT 2043

He-3 Production

20-Ca-46

Cross Section -100.0 To 2514. %

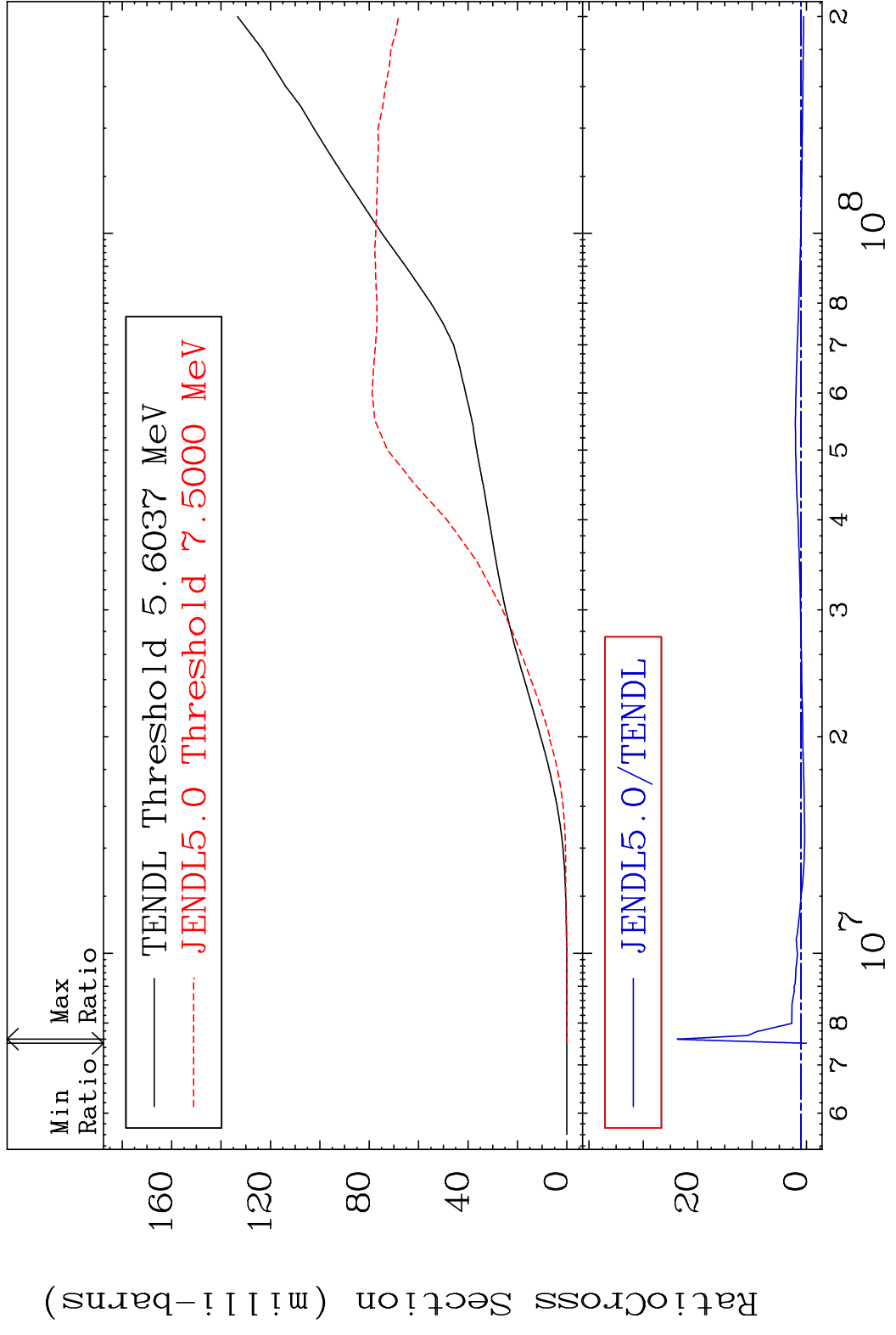


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Incident Energy (eV)

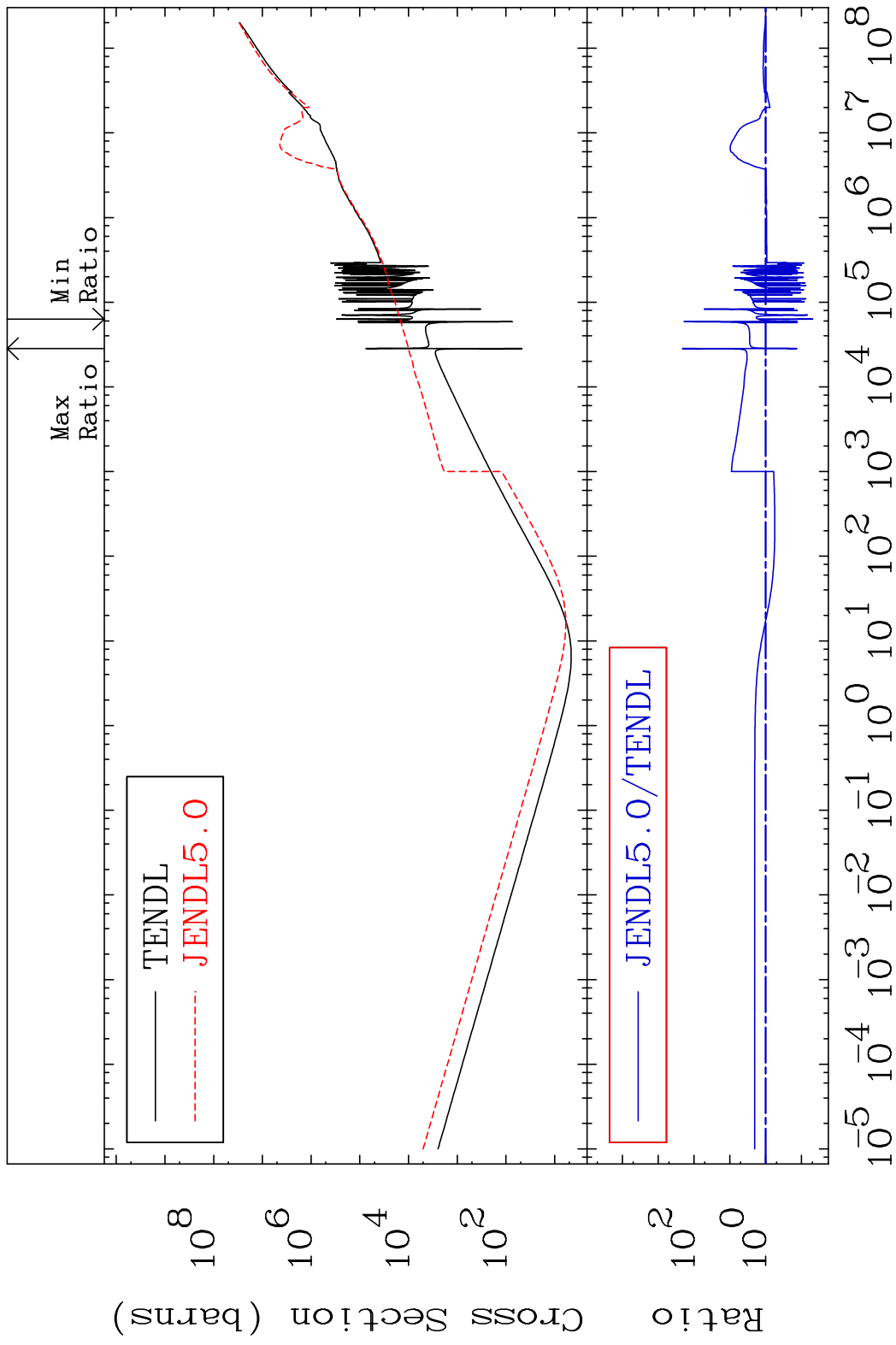
20-Ca-46

MAT 2043 He-4 Production 20-Ca-46
 Cross Section -100.0 To 2276. %



32 20-Ca-46

MAT 2043 Kerma total (eV-barns) 20-Ca-46
 Cross Section -95.08 To 9999. %

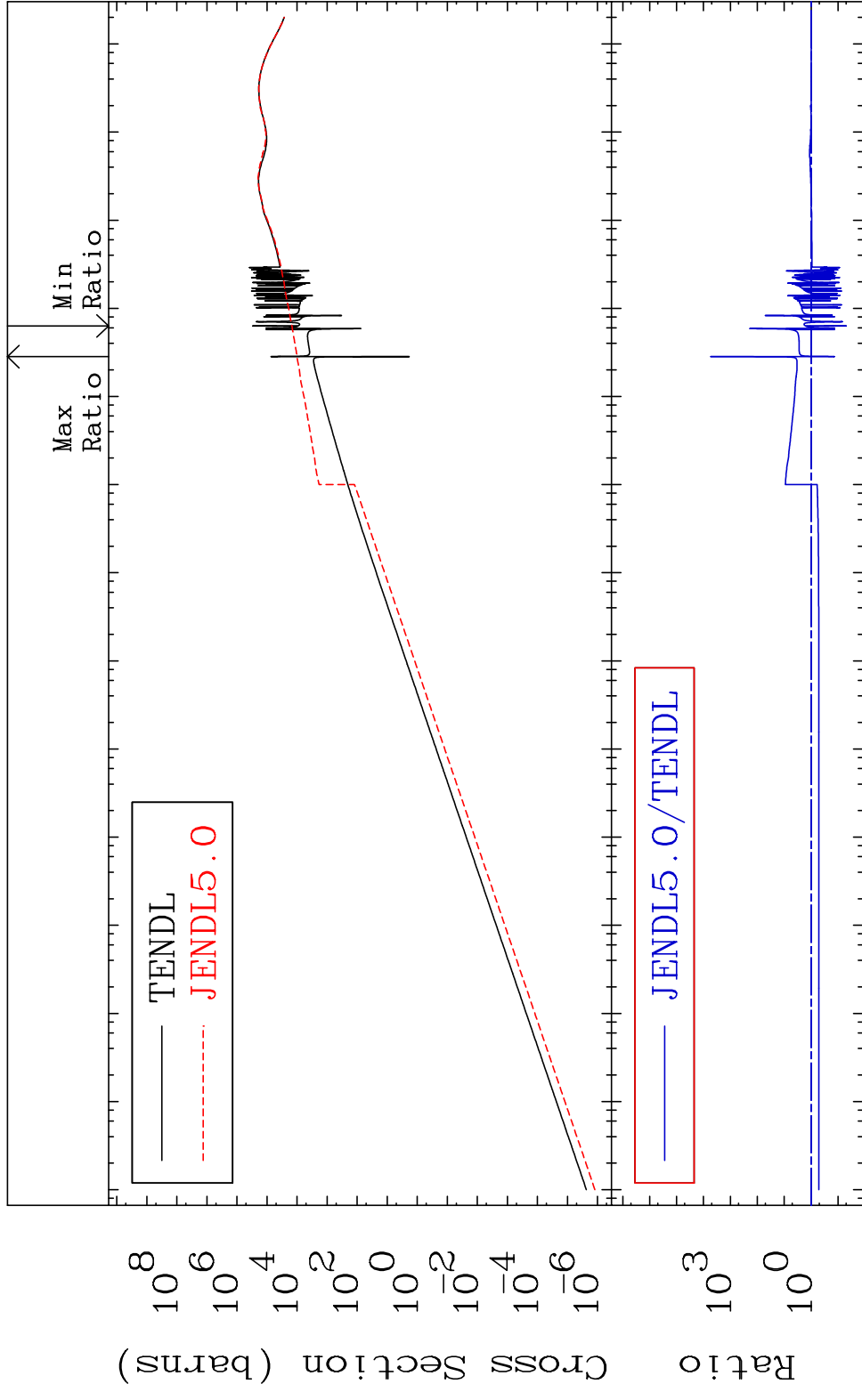


33 Incident Energy (eV) 20-Ca-46

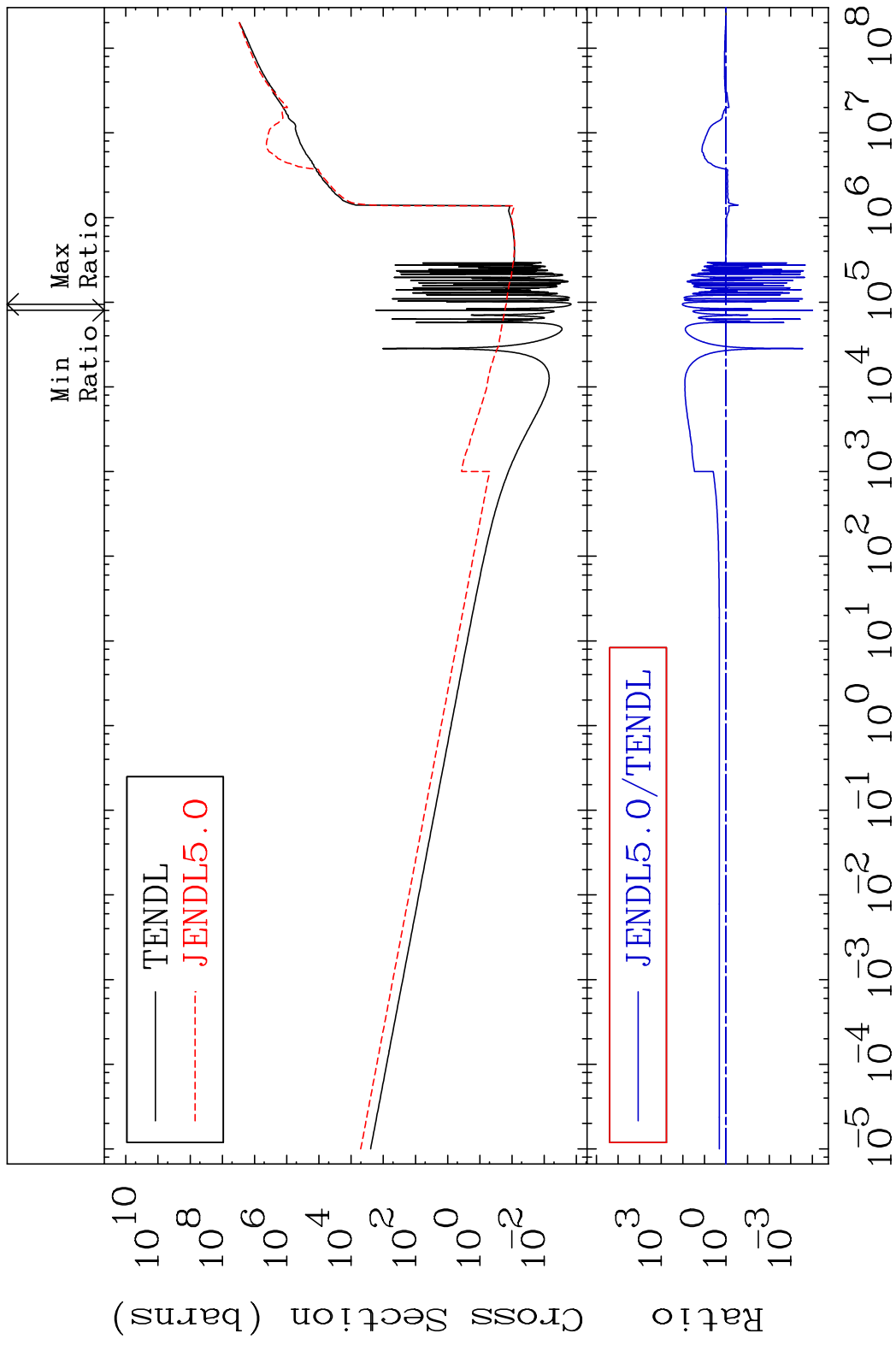
MAT 2043

Kerma elastic
Cross Section -95.07 To 9999. %

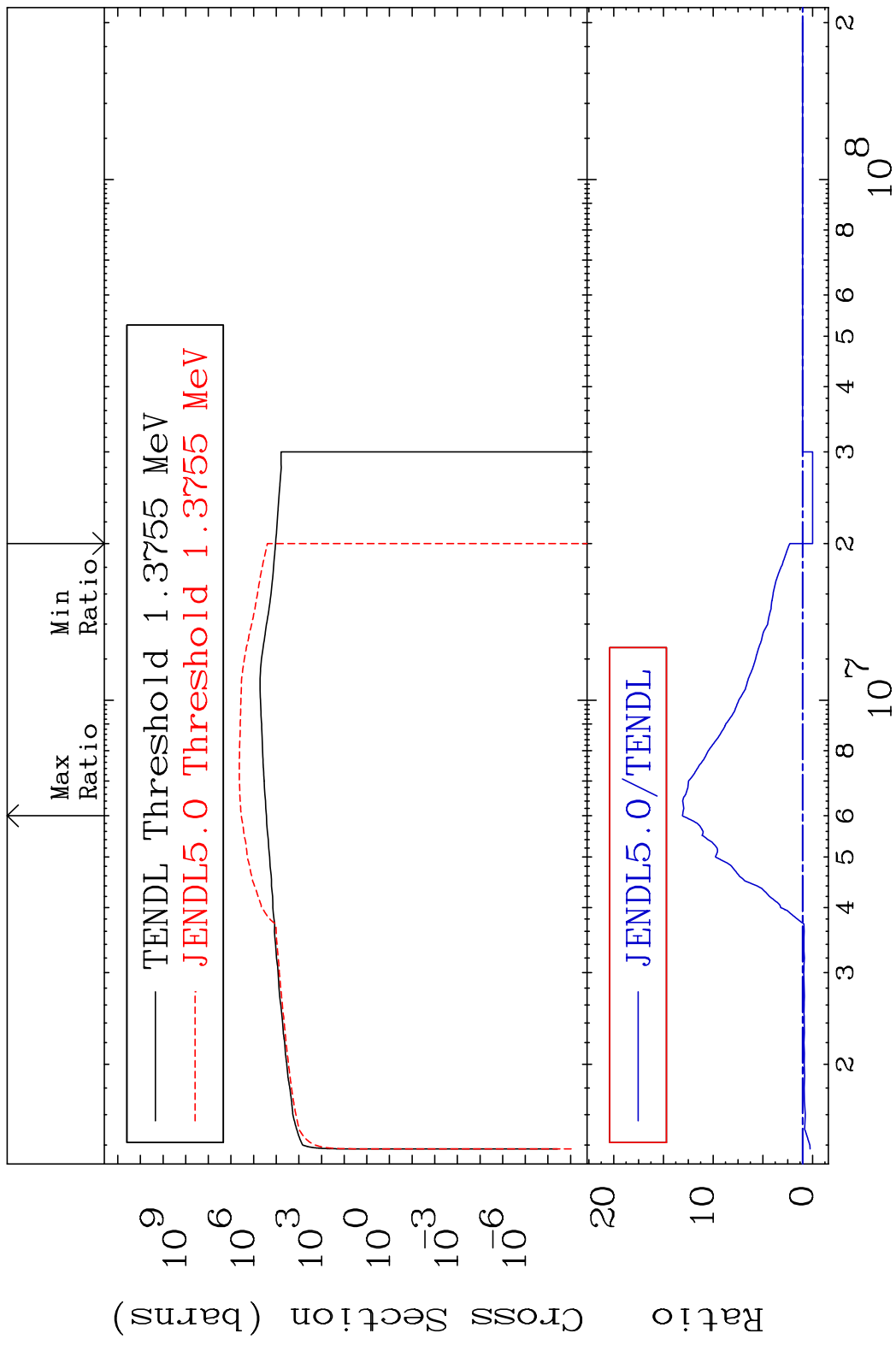
20-Ca-46



MAT 2043 Kerma non-elastic (all but mt2) 20-Ca-46
 Cross Section -99.99 To 9999. %

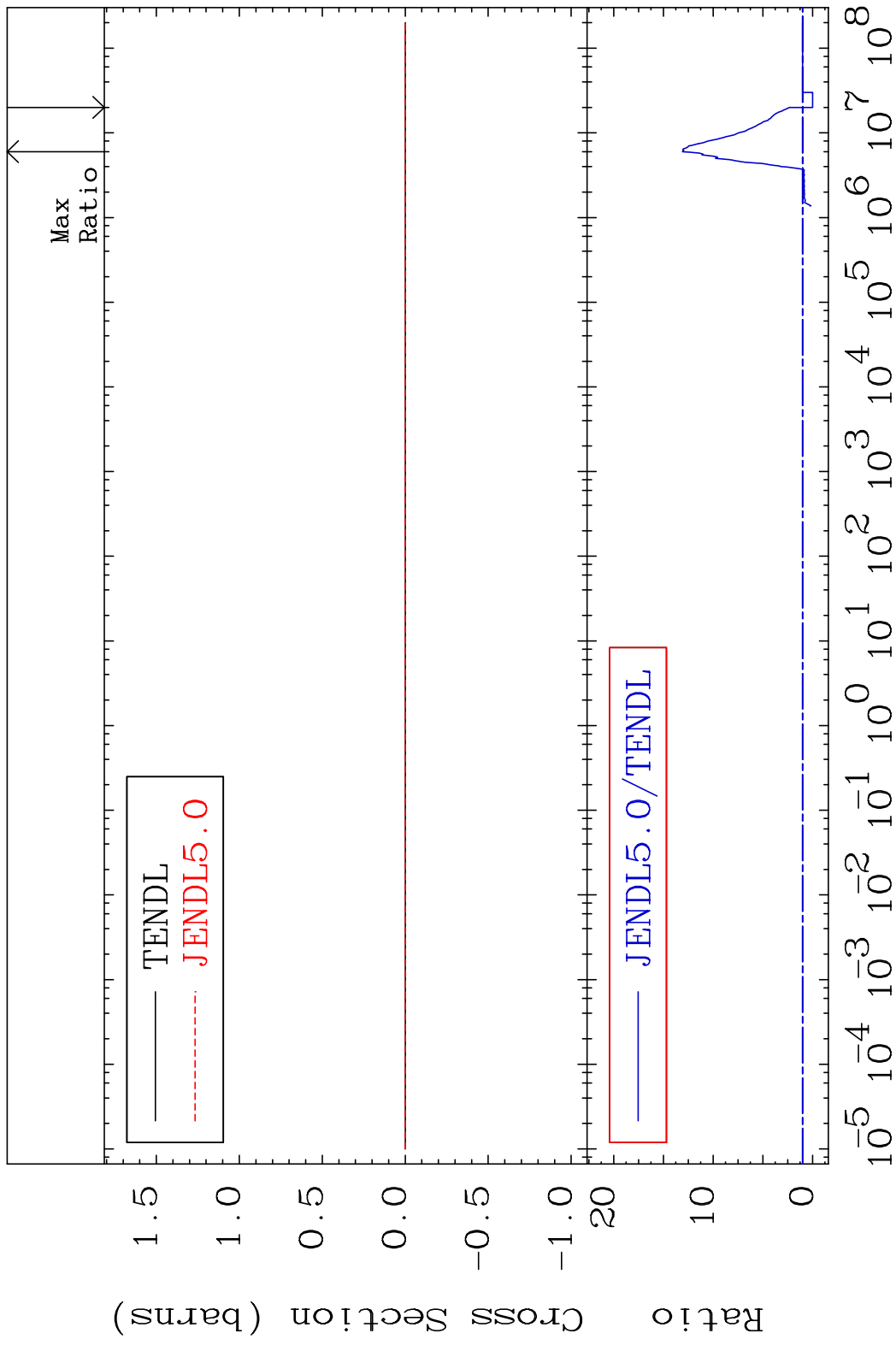


MAT 2043 Kerma inelastic (mt51-91) 20-Ca-46
 Cross Section -100.0 To 1209. %

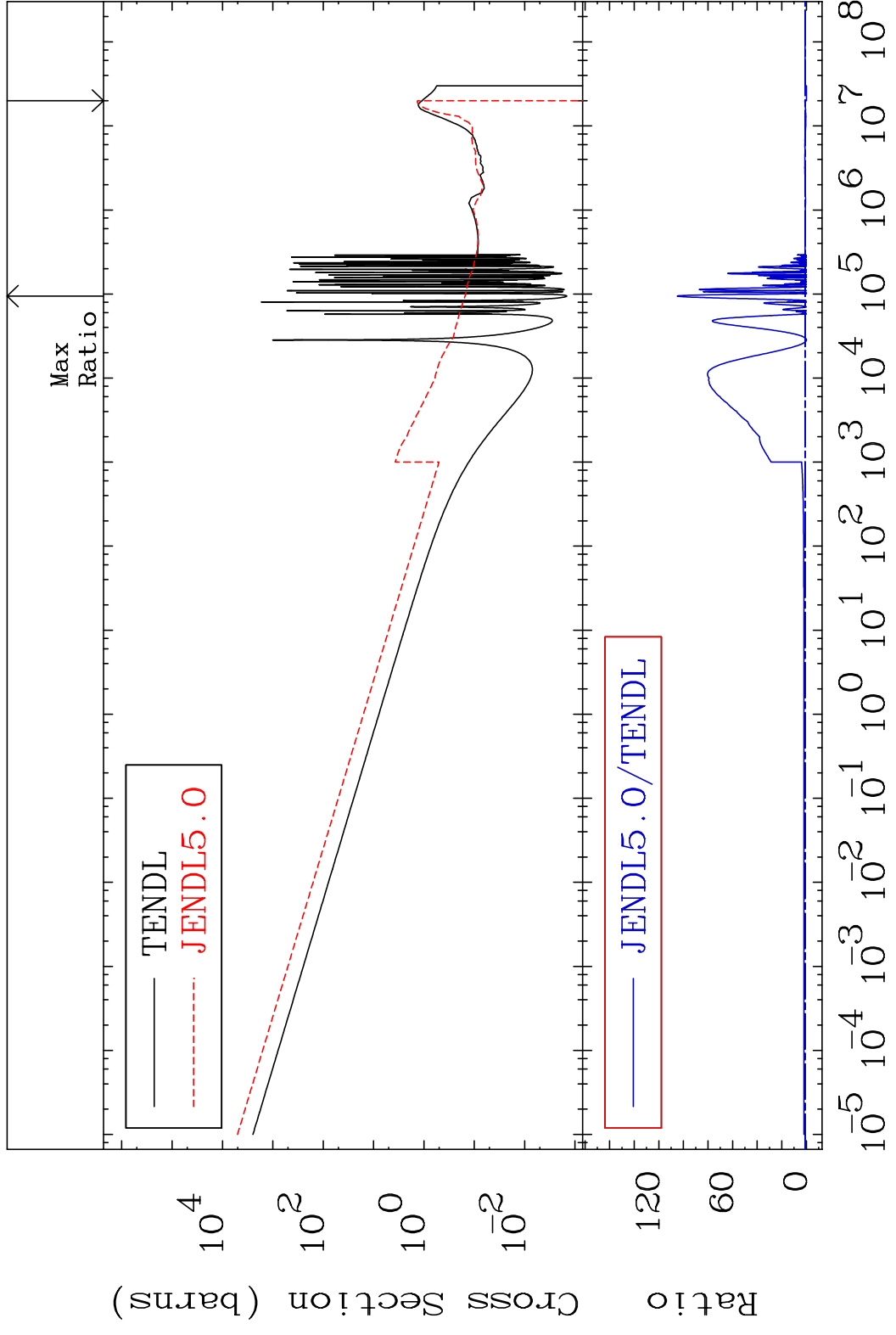


36 Incident Energy (eV) 20-Ca-46

MAT 2043 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-46
 Cross Section -100.0 To 1209. %

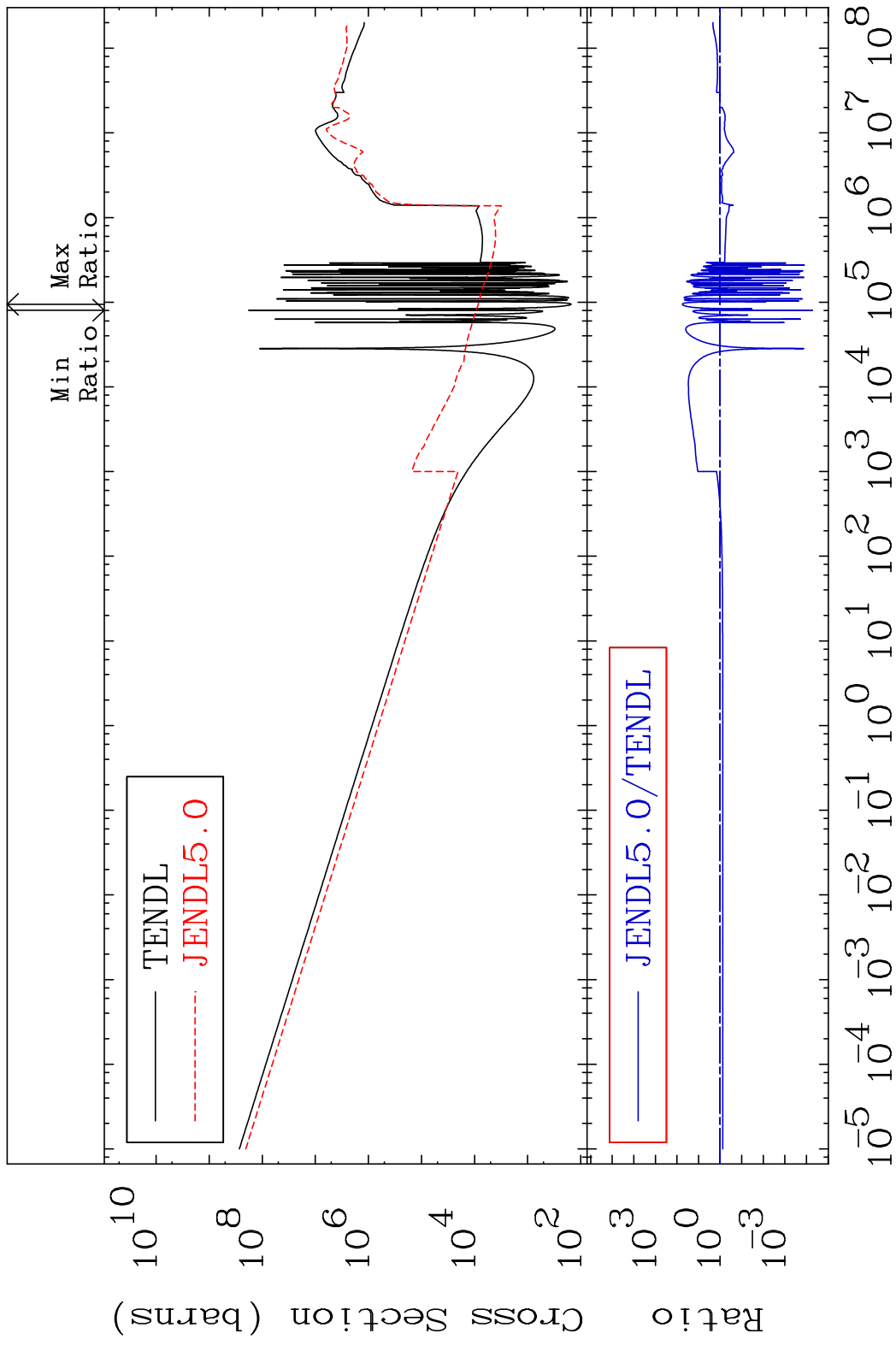


MAT 2043 Kerma capture (mt102) 20-Ca-46
 Cross Section -100.0 To 9999. %



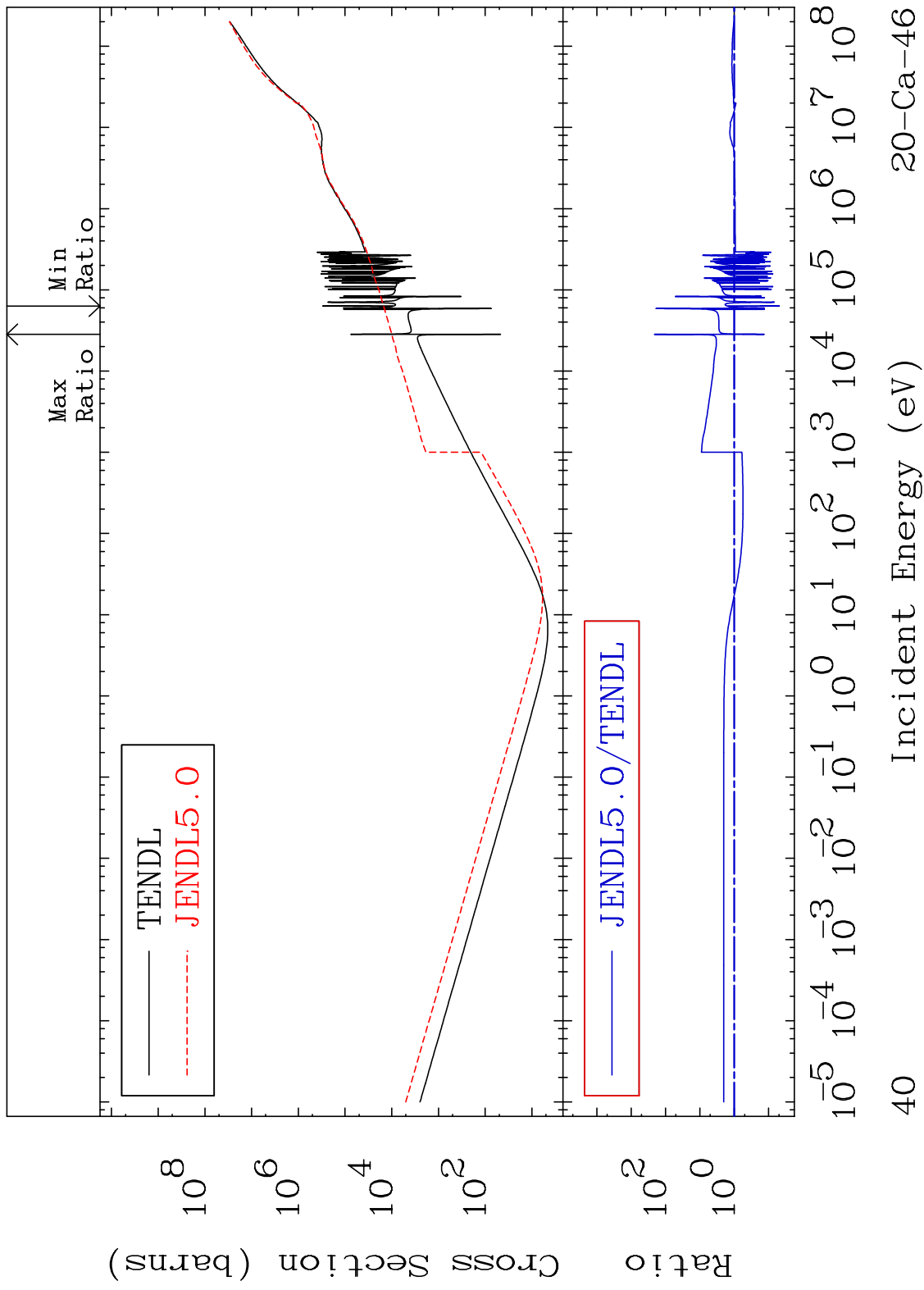
38 Incident Energy (eV) 20-Ca-46

MAT 2043 Total photon (eV-barns) 20-Ca-46
 Cross Section -99.99 To 5533. %



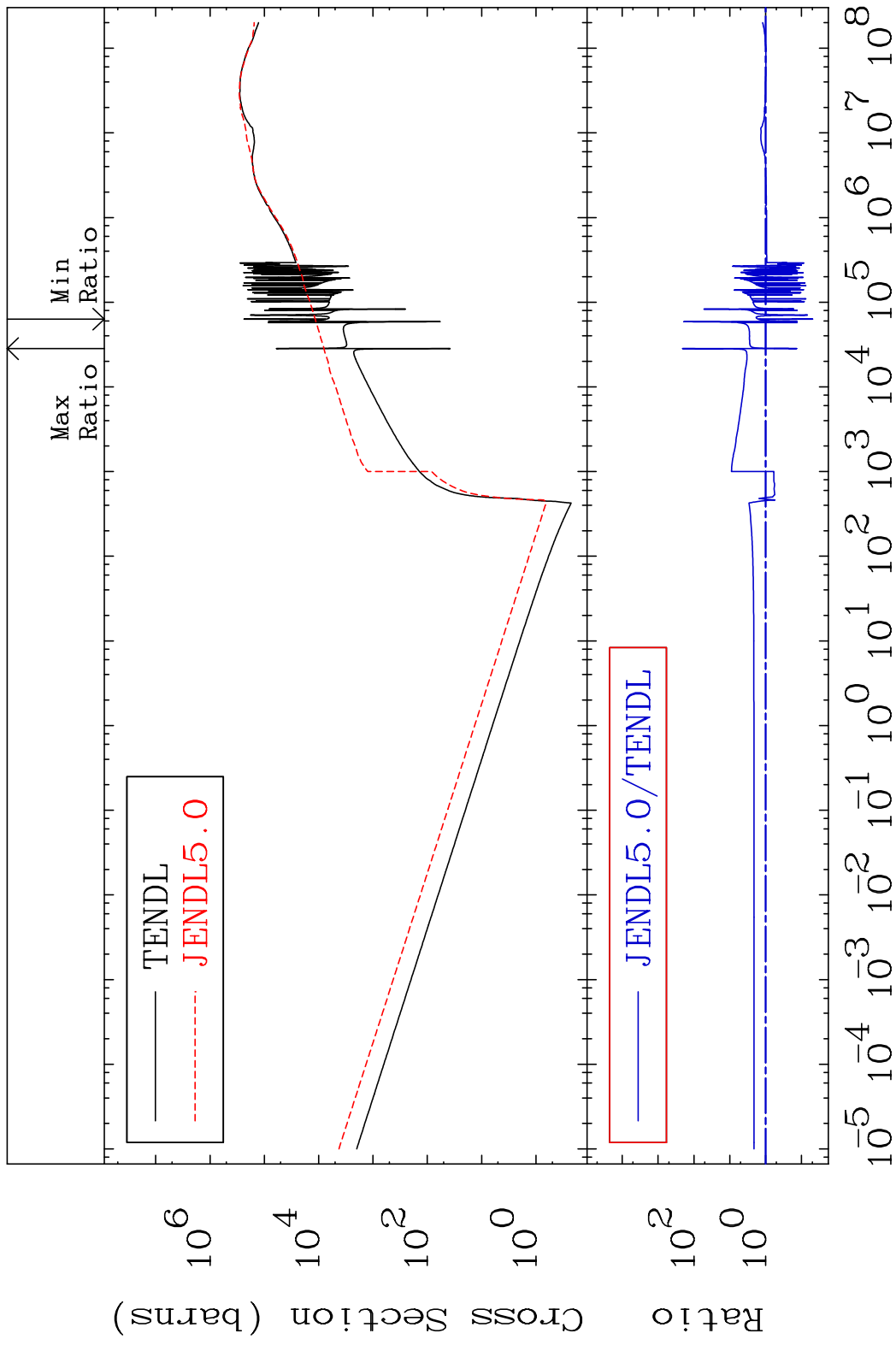
39 Incident Energy (eV) 20-Ca-46

MAT 2043 Total kinematic kerma (high limit) 20-Ca-46
Cross Section -95.08 To 9999. %

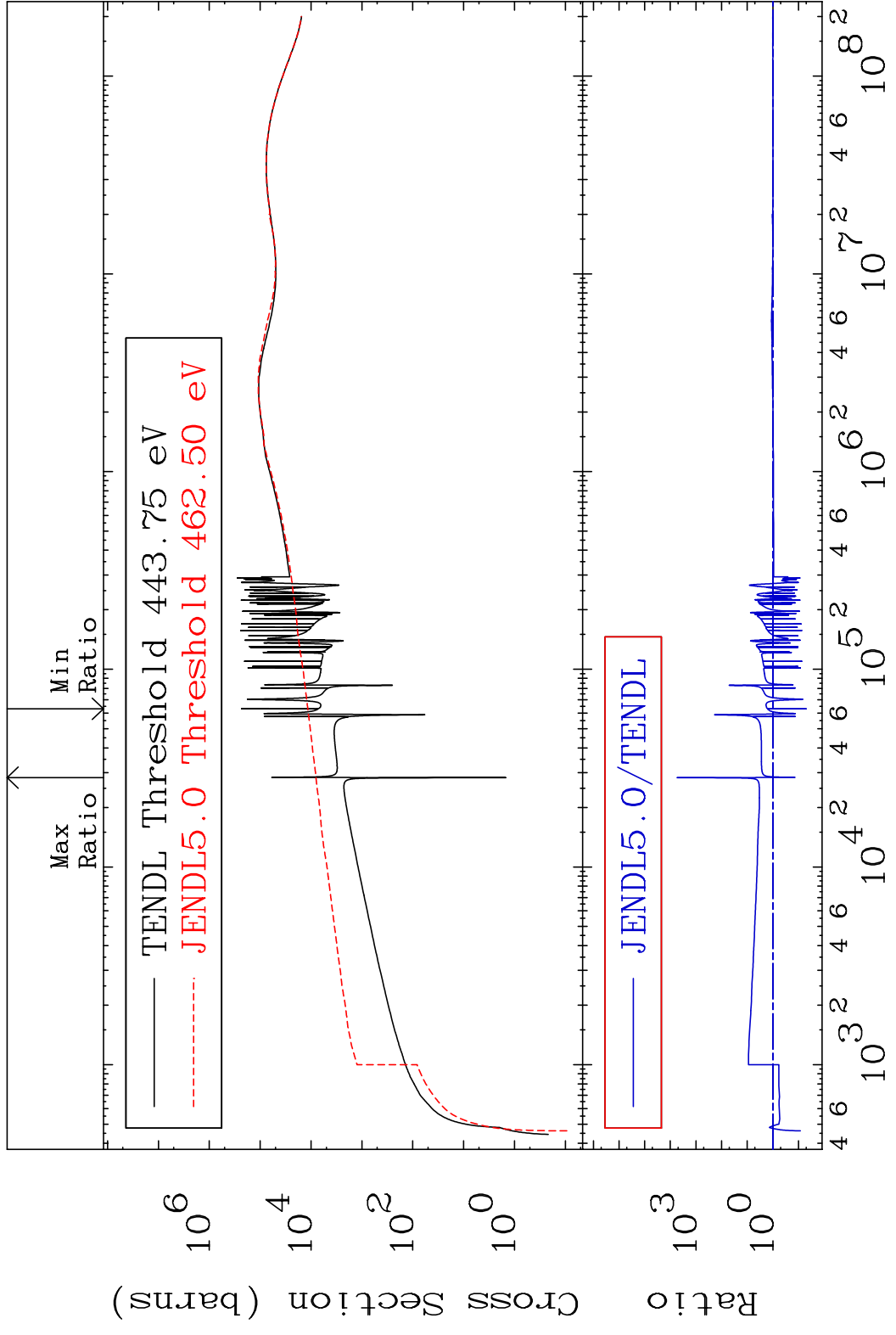


40 Incident Energy (eV) 20-Ca-46

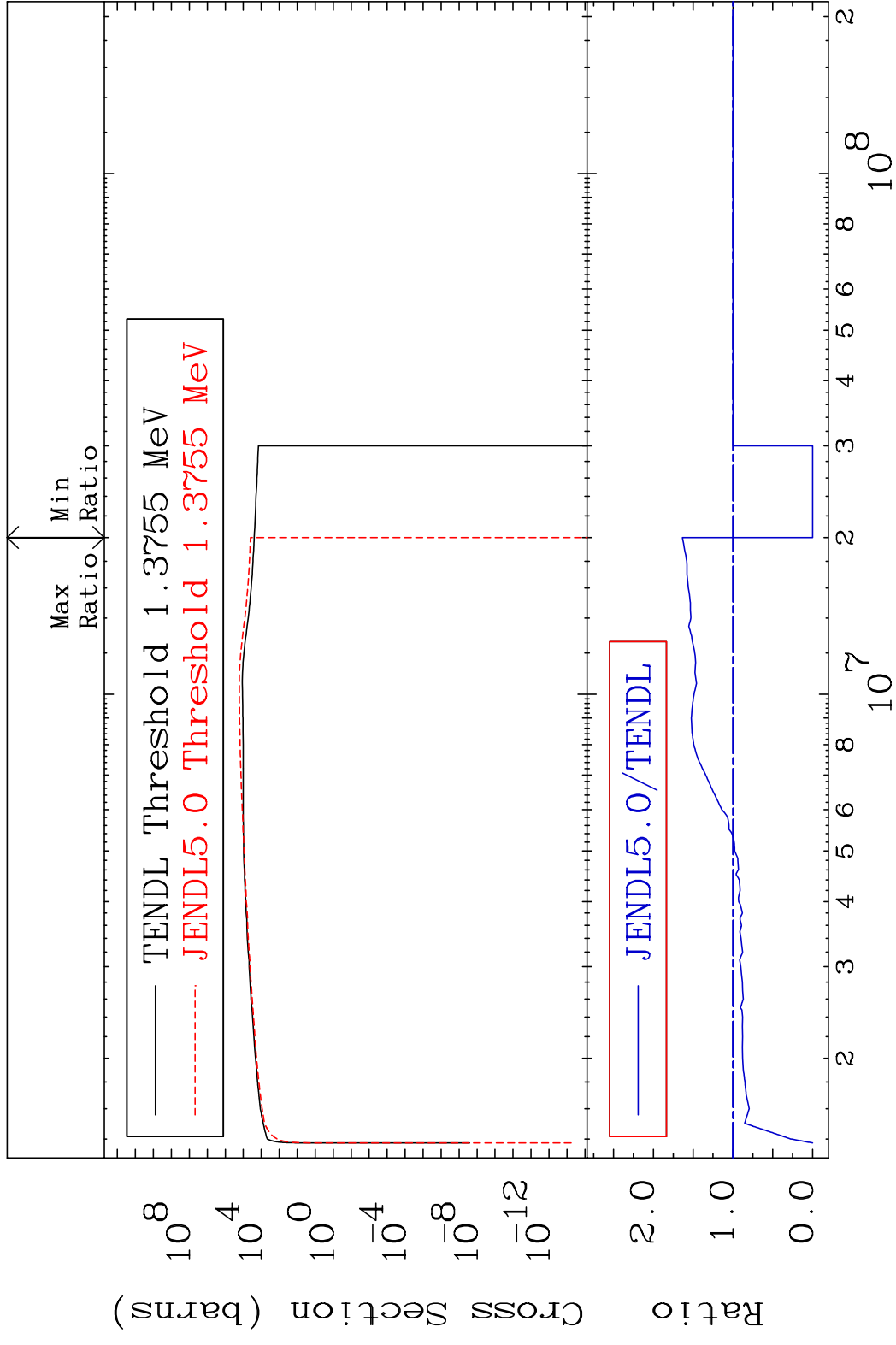
MAT 2043 Dpa total (eV-barns) 20-Ca-46
 Cross Section -95.08 To 9999. %



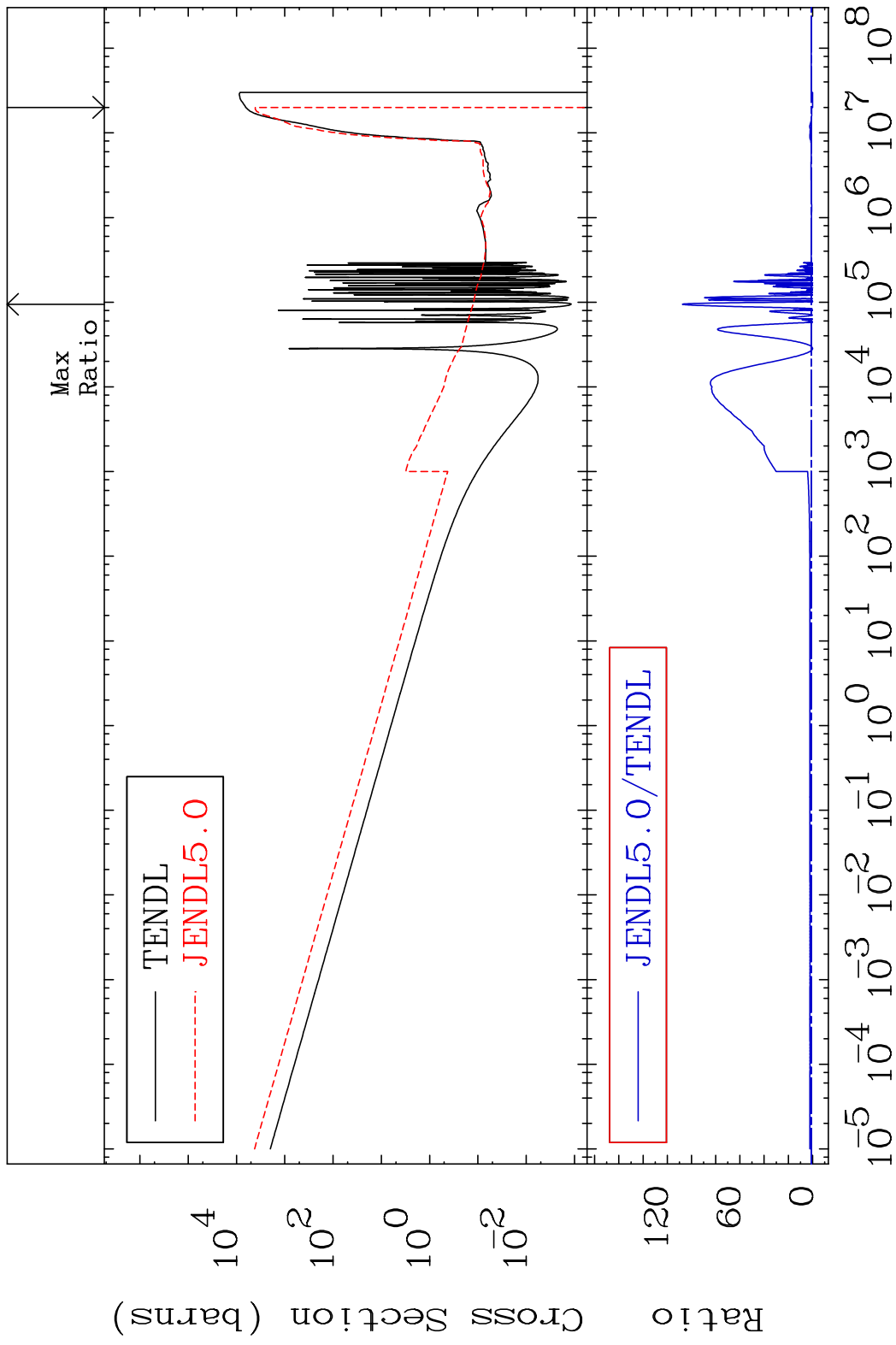
MAT 2043 Dpa elastic (mt2) 20-Ca-46
 Cross Section -95.07 To 9999. %



MAT 2043 Dpa inelastic (mt51-91) 20-Ca-46
 Cross Section -100.0 To 63.53 %



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



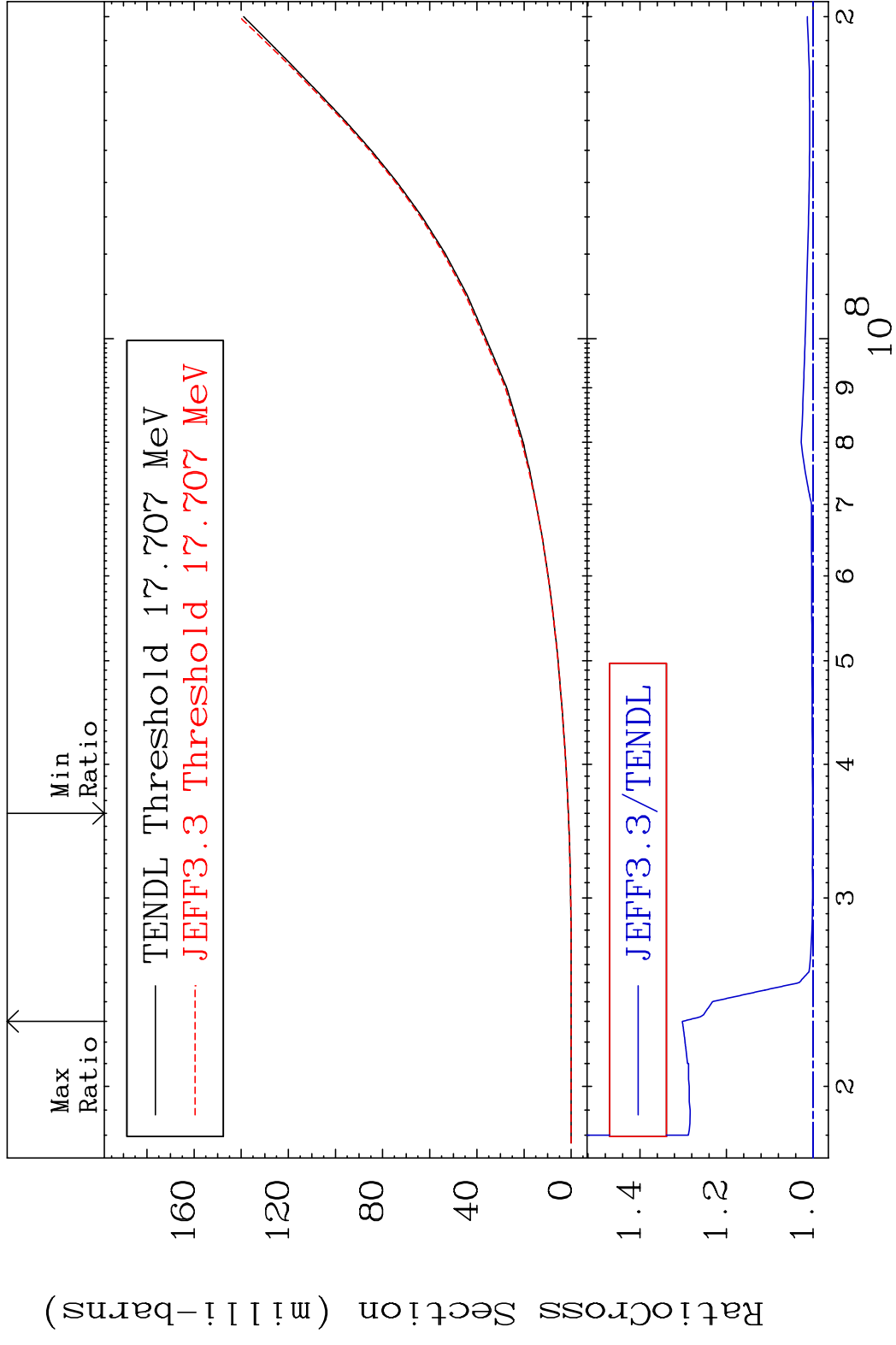
44 Incident Energy (eV) 20-Ca-46

MAT 2043

He-3 Production

20-Ca-46

Cross Section 0.106 To 30.19 %



45

Incident Energy (eV)

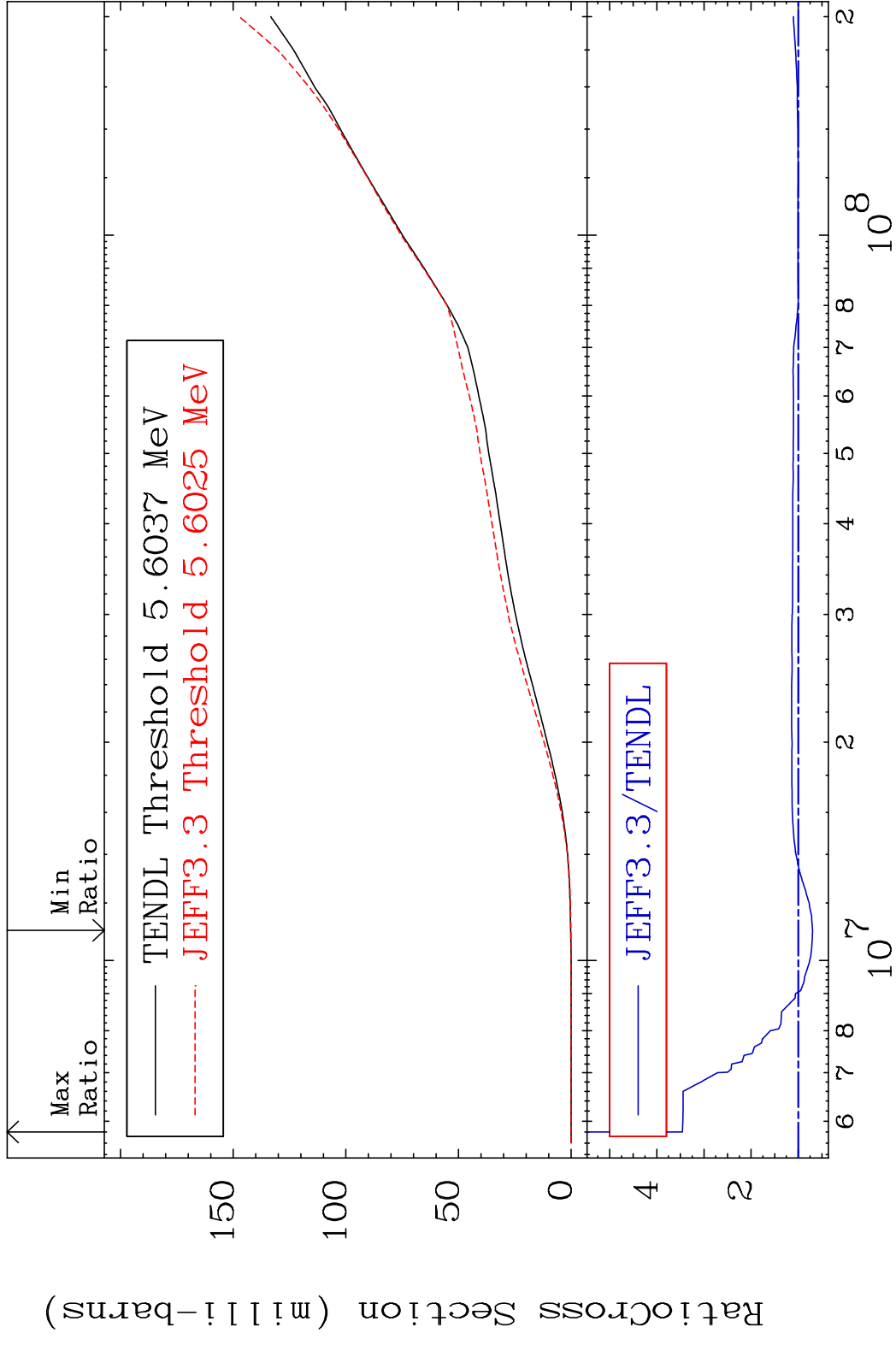
20-Ca-46

MAT 2043

He-4 Production

20-Ca-46

Cross Section -30.28 To 245.8 %

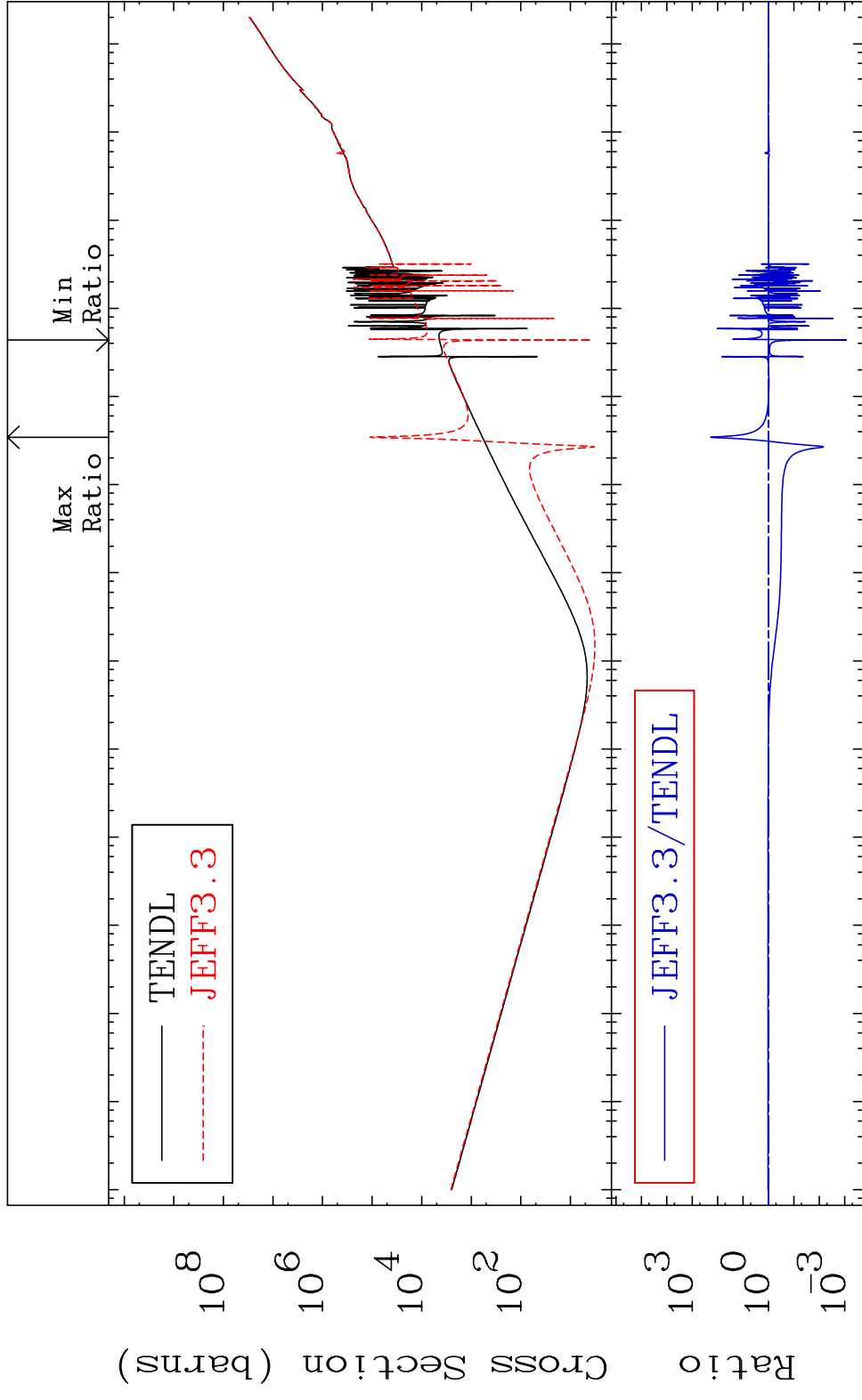


46

Incident Energy (eV)

20-Ca-46

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



Ratio
 Cross Section (barns)

10⁸
 10⁶
 10⁴
 10²

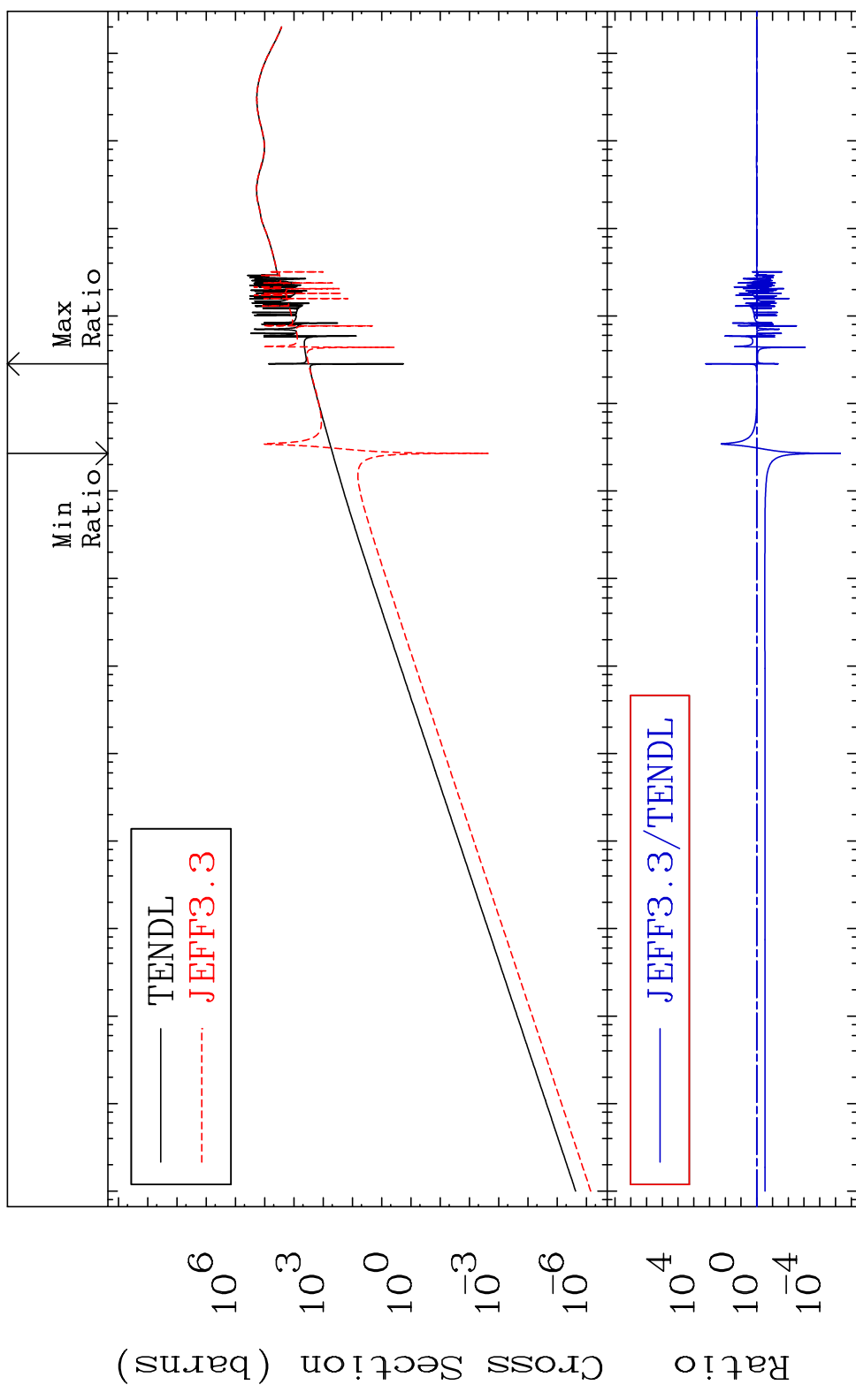
10³
 10⁰
 10⁻³

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

47 Incident Energy (eV) 20-Ca-46

MAT 2043

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

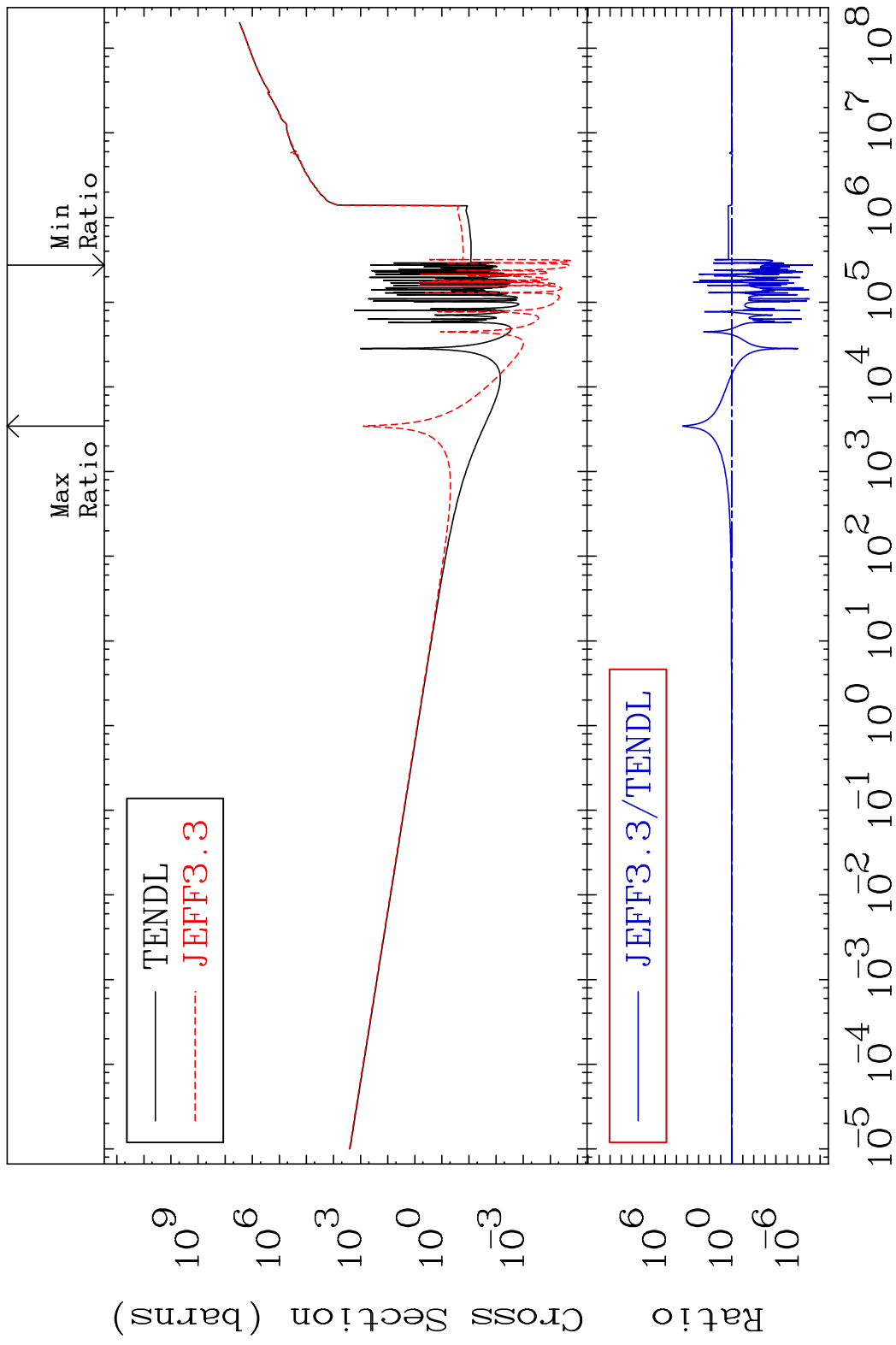


48

Incident Energy (eV)

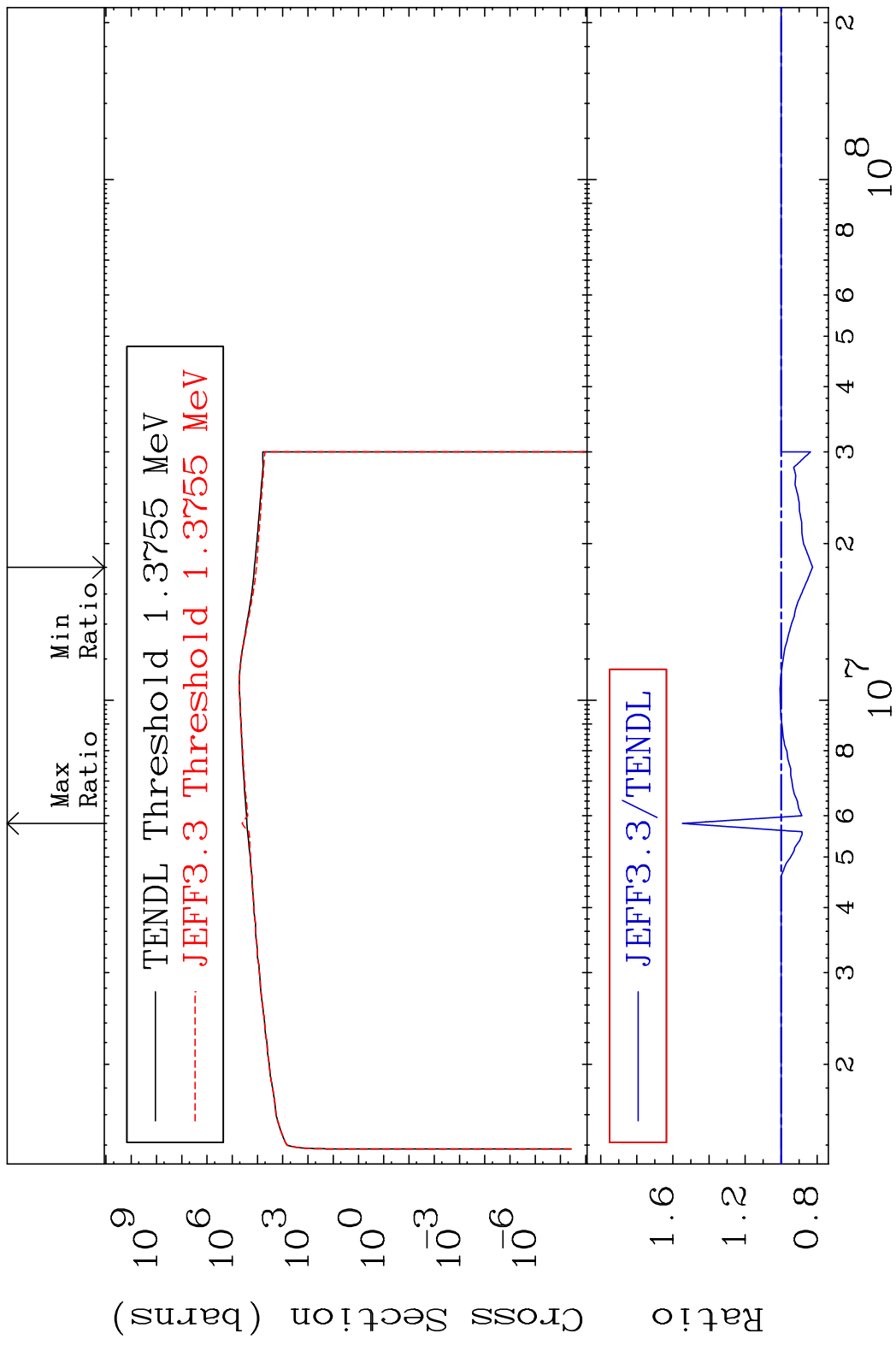
20-Ca-46

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

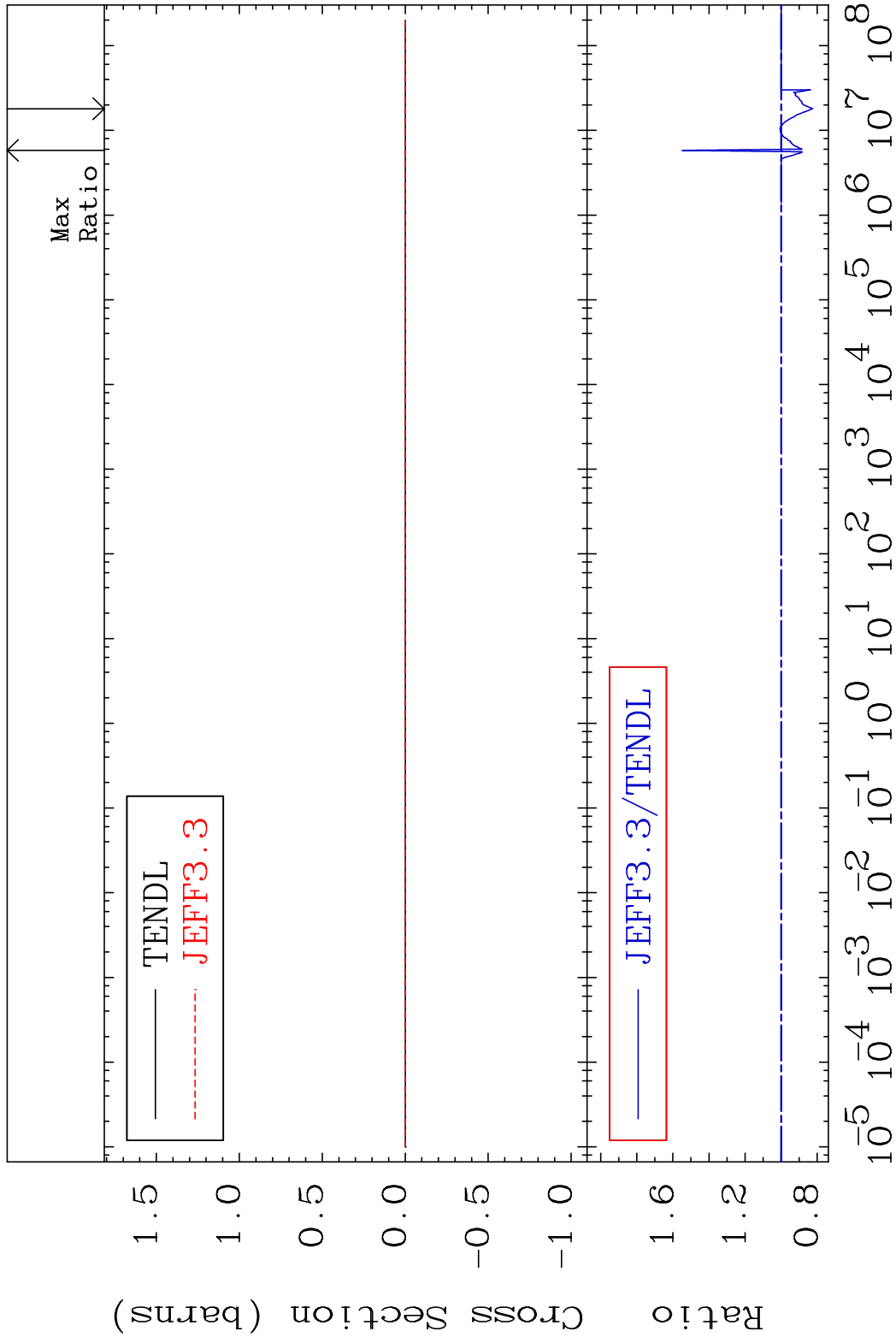


49 Incident Energy (eV) 20-Ca-46

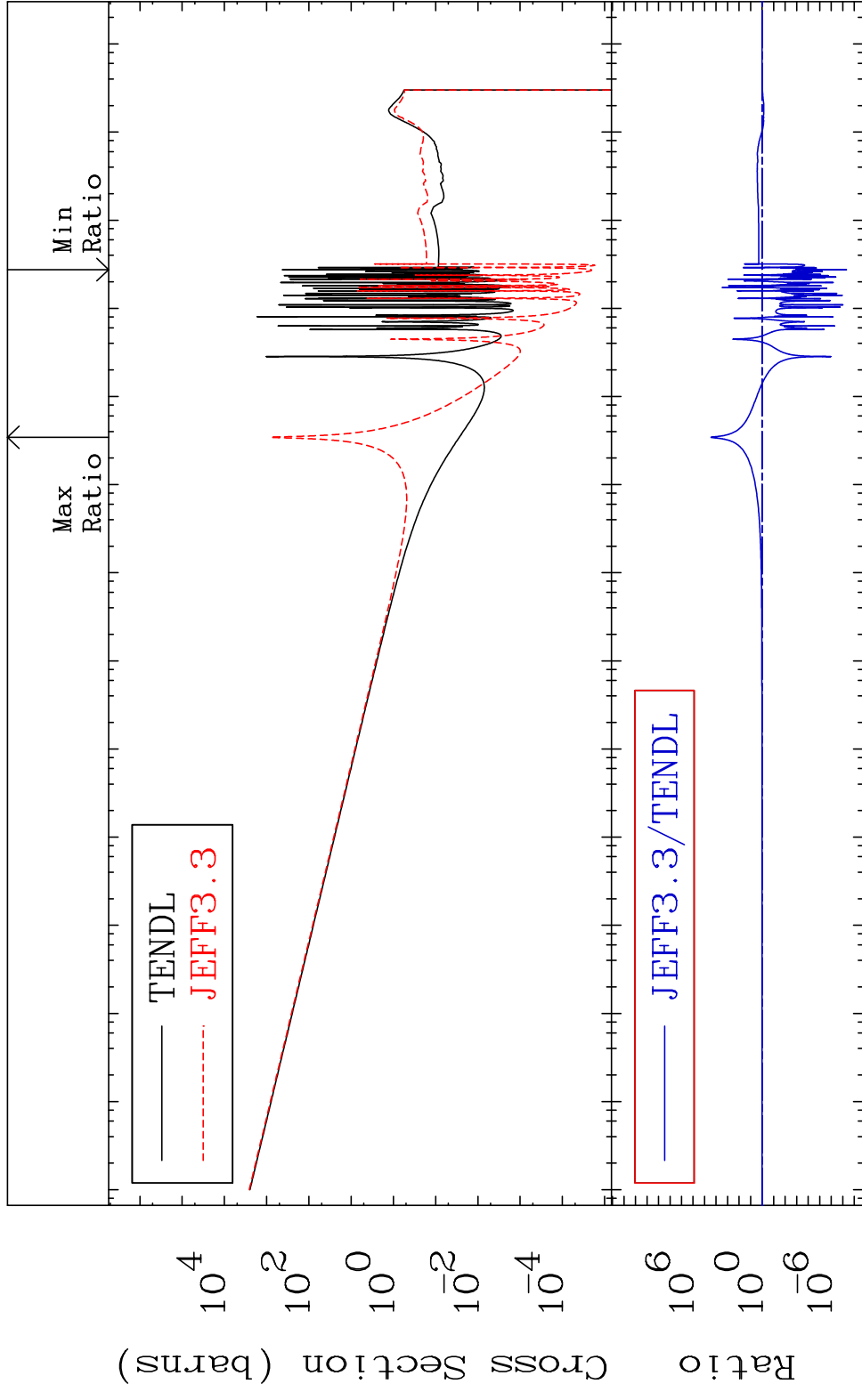
MAT 2043 Kerma inelastic (mt51-91) 20-Ca-46
 Cross Section -17.49 To 54.76 %



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

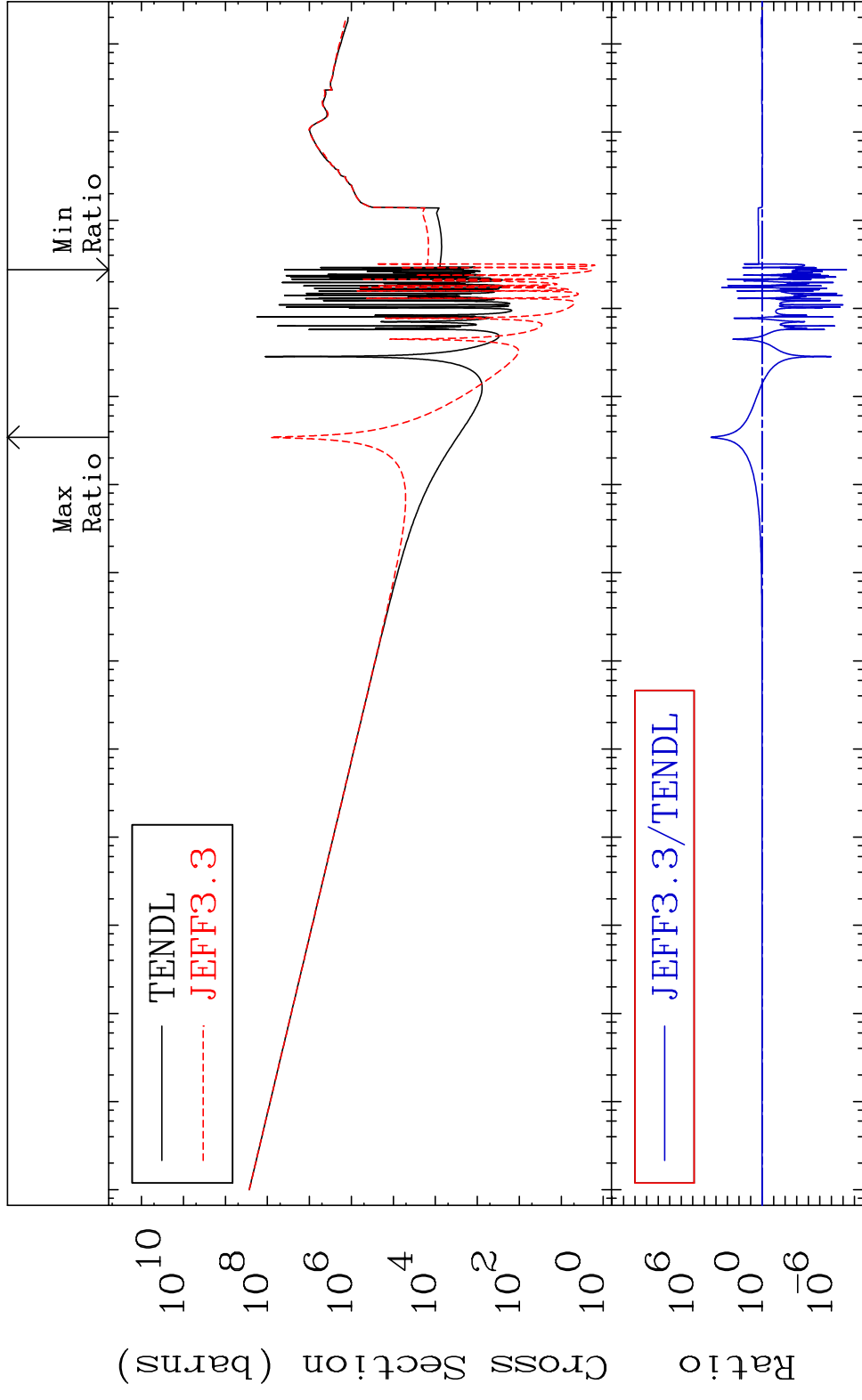


MAT 2043 Kerma capture (mt102) 20-Ca-46
 Cross Section -100.0 To 9999. %

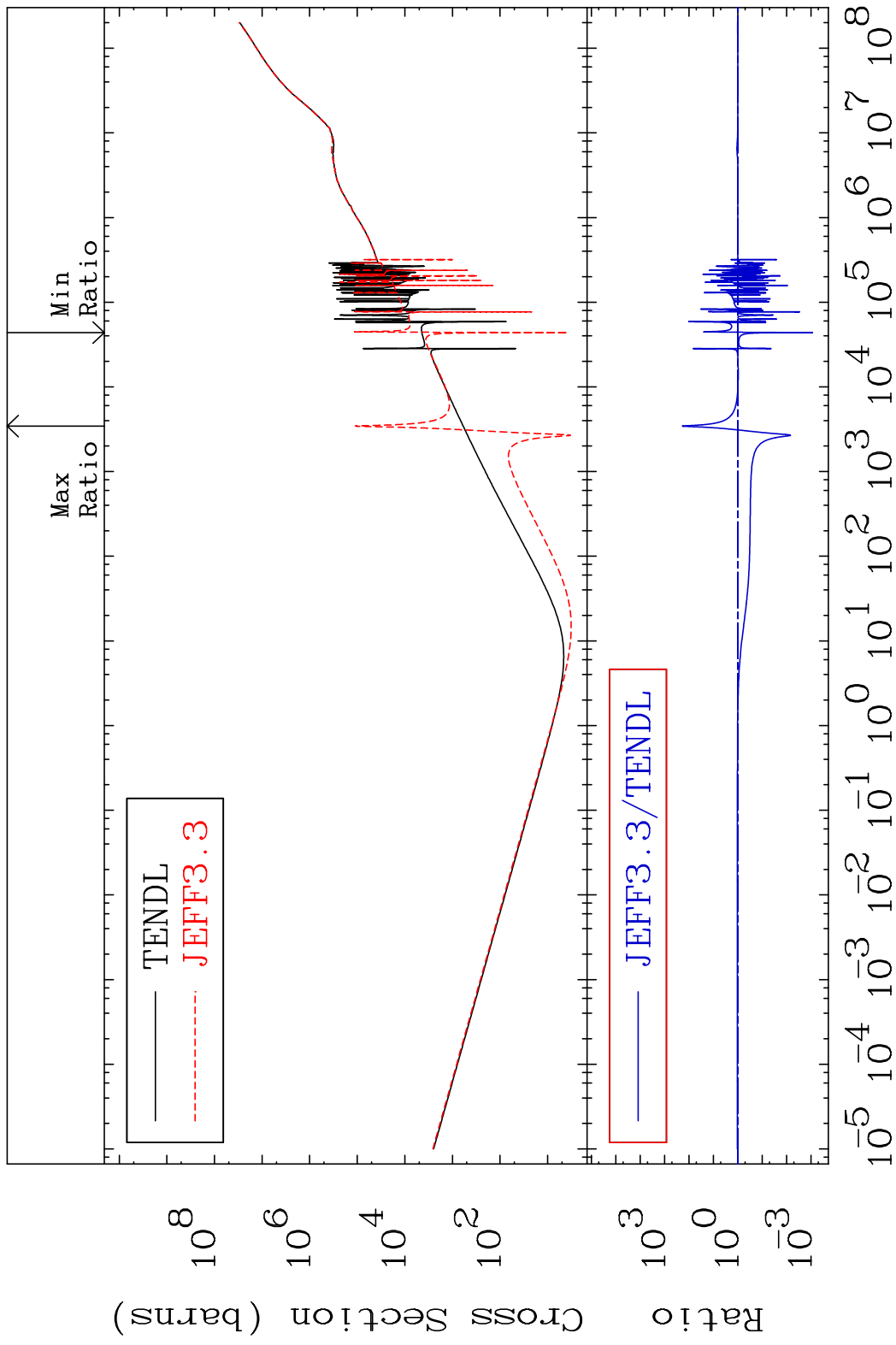


52 Incident Energy (eV) 20-Ca-46

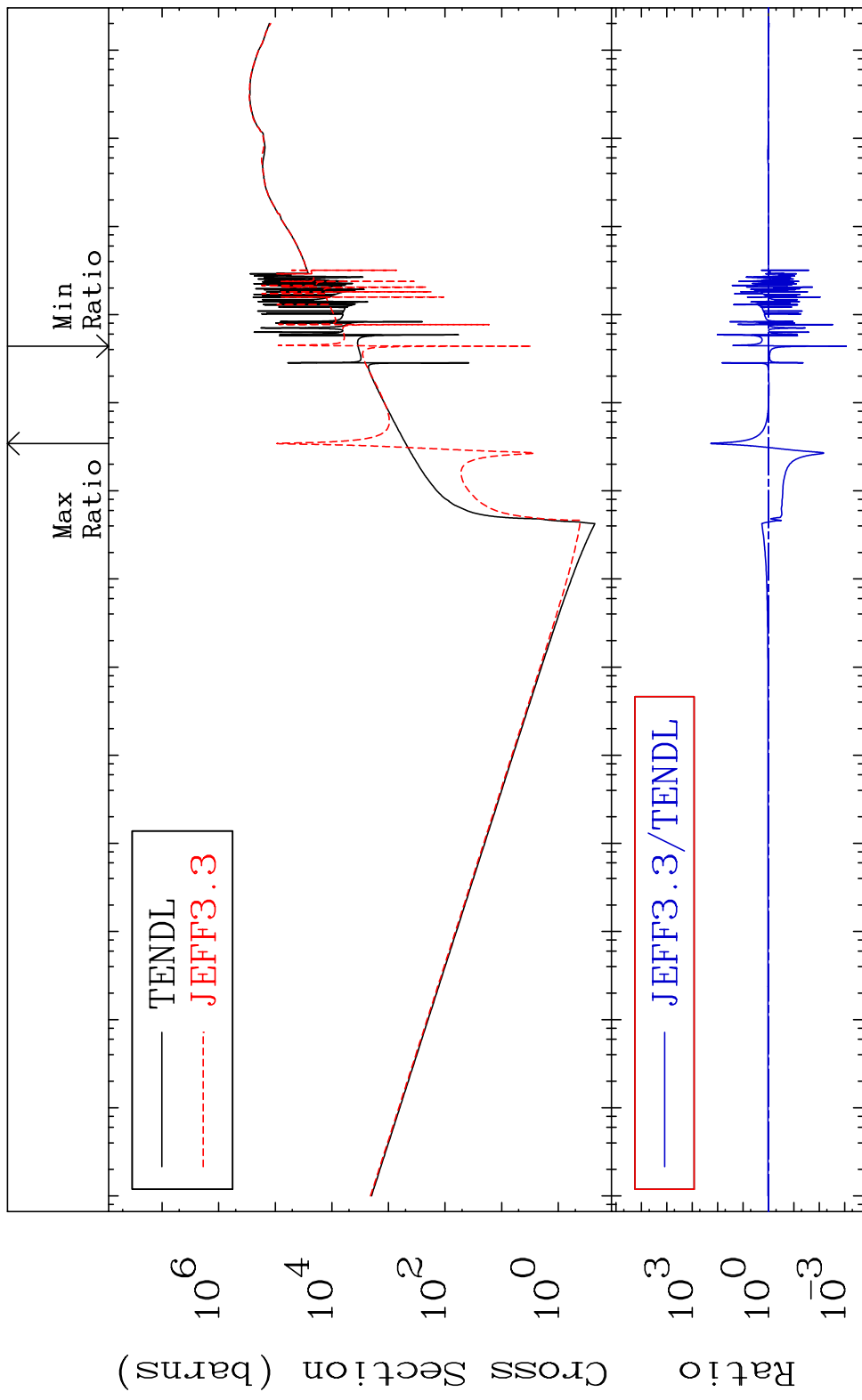
MAT 2043 Total photon (eV-barns) 20-Ca-46
 Cross Section -100.0 To 9999. %



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

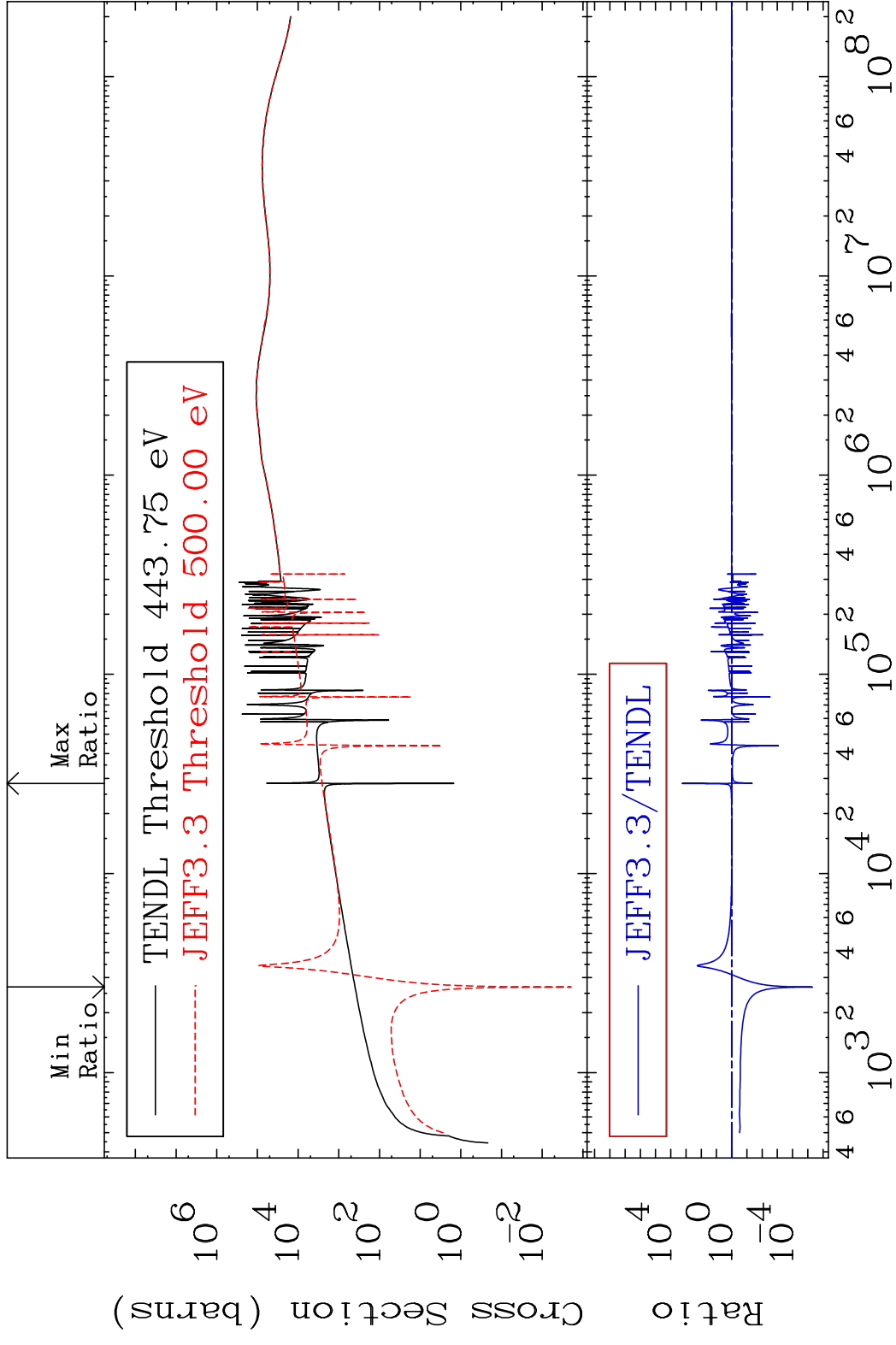


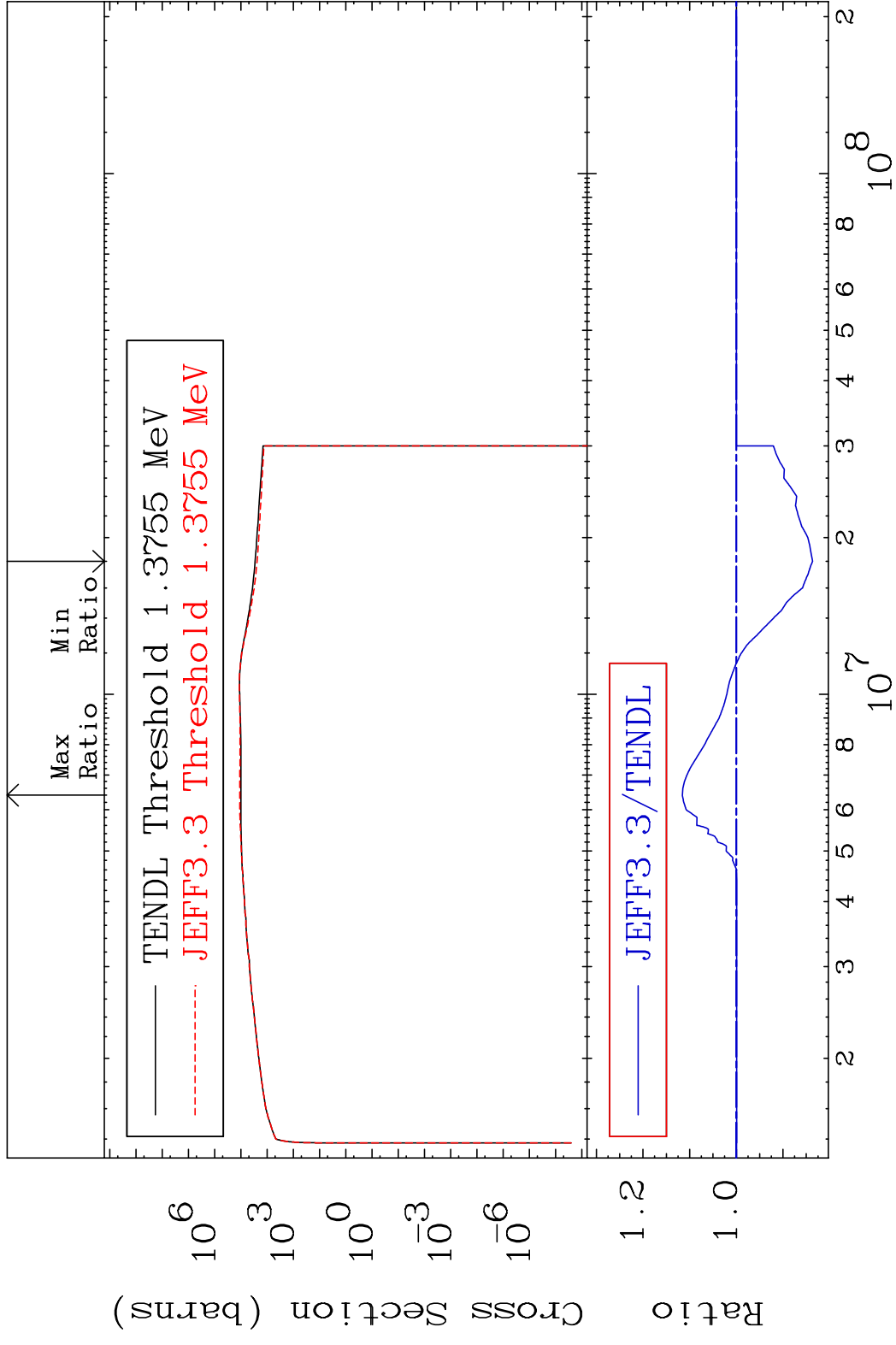
MAT 2043 Dpa total (eV-barns) 20-Ca-46
 Cross Section -99.91 To 9999. %



55 Incident Energy (eV) 20-Ca-46

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. %

