

Program Complot
(Version 2021-1)

by

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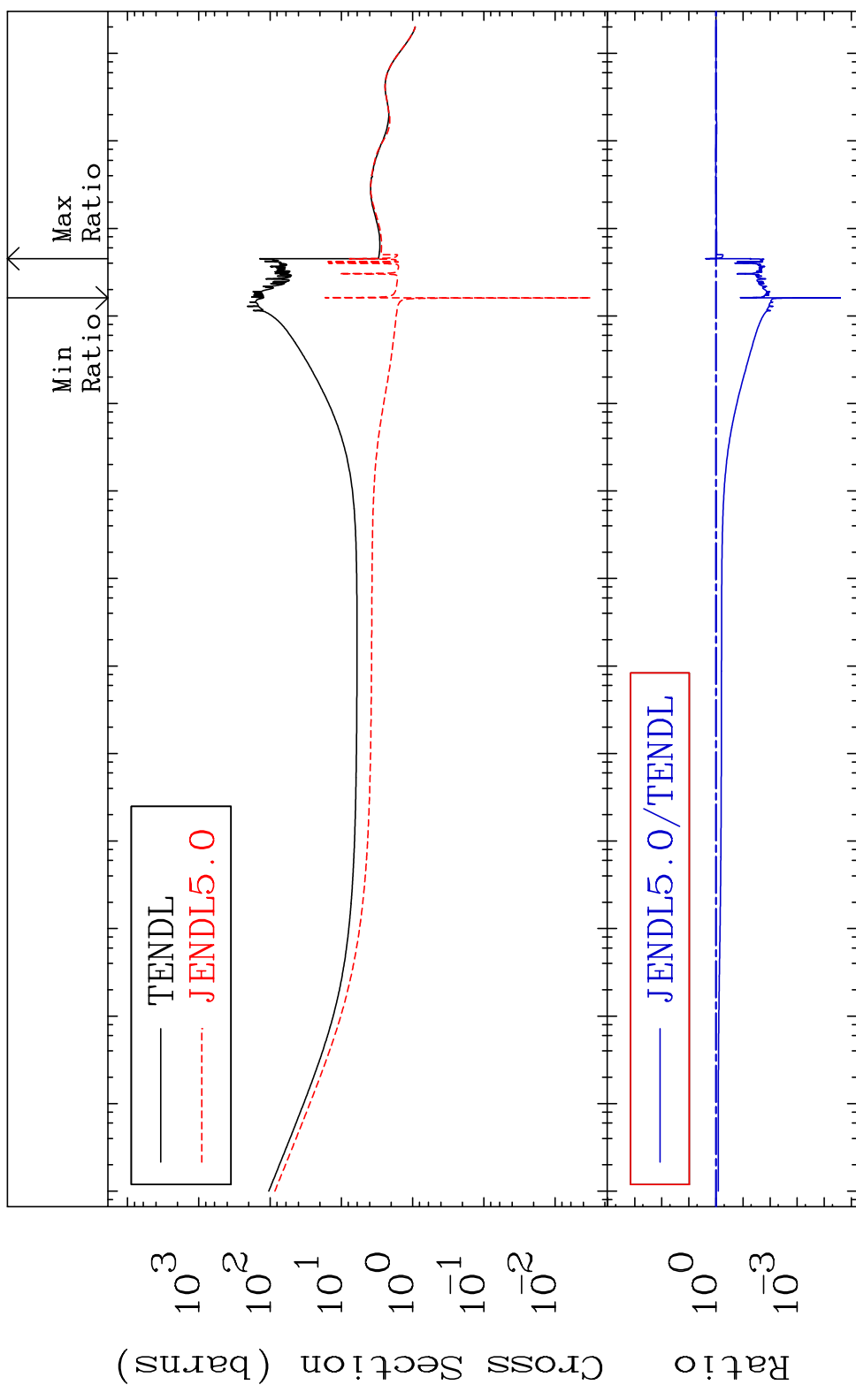
Press Mouse Button to Start

MAT 2049

Total

20-Ca-48

Cross Section -100.0 To 137.7 %



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

Incident Energy (eV)

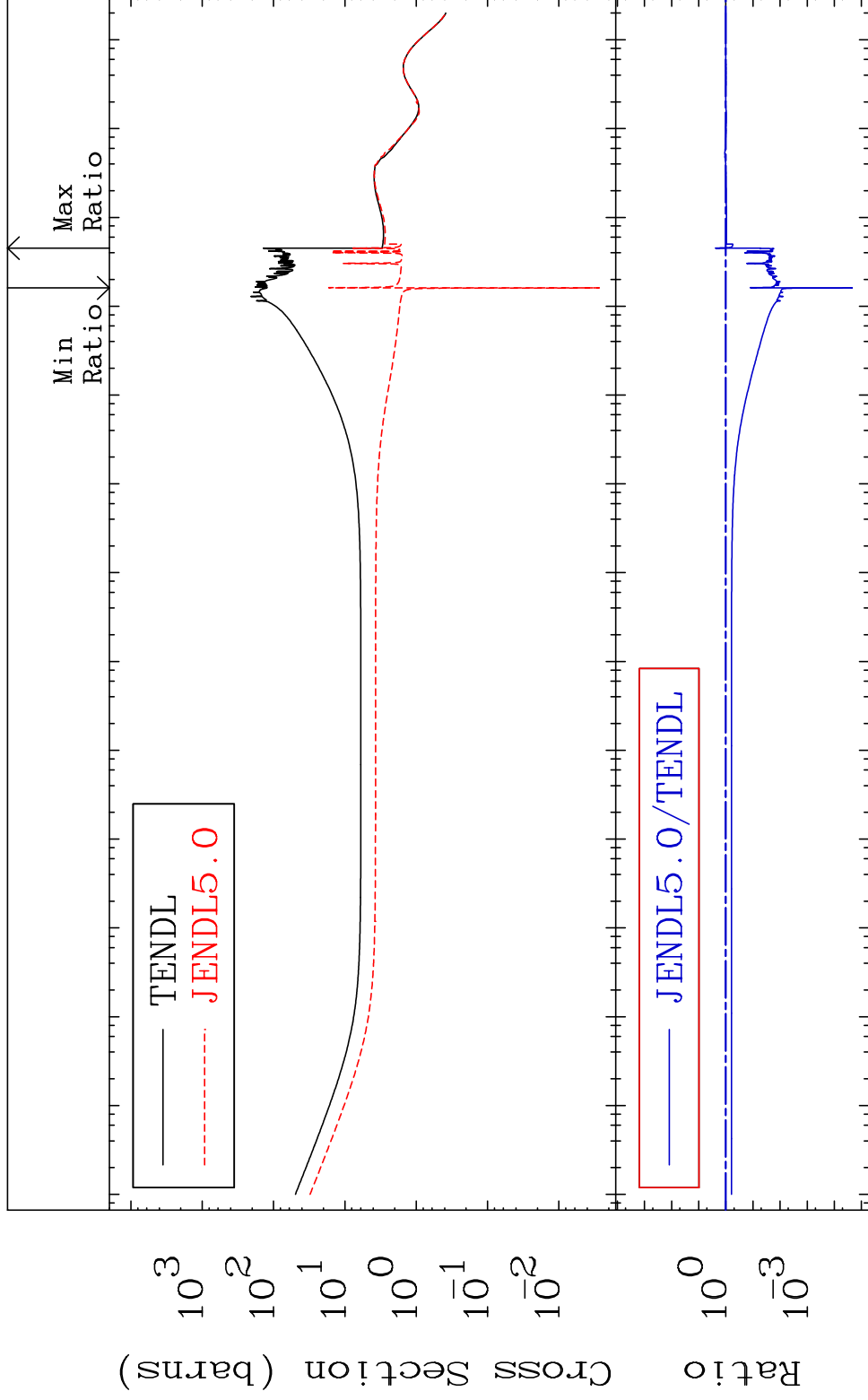
20-Ca-48

MAT 2049

Elastic

20-Ca-48

Cross Section -100.0 To 137.6 %

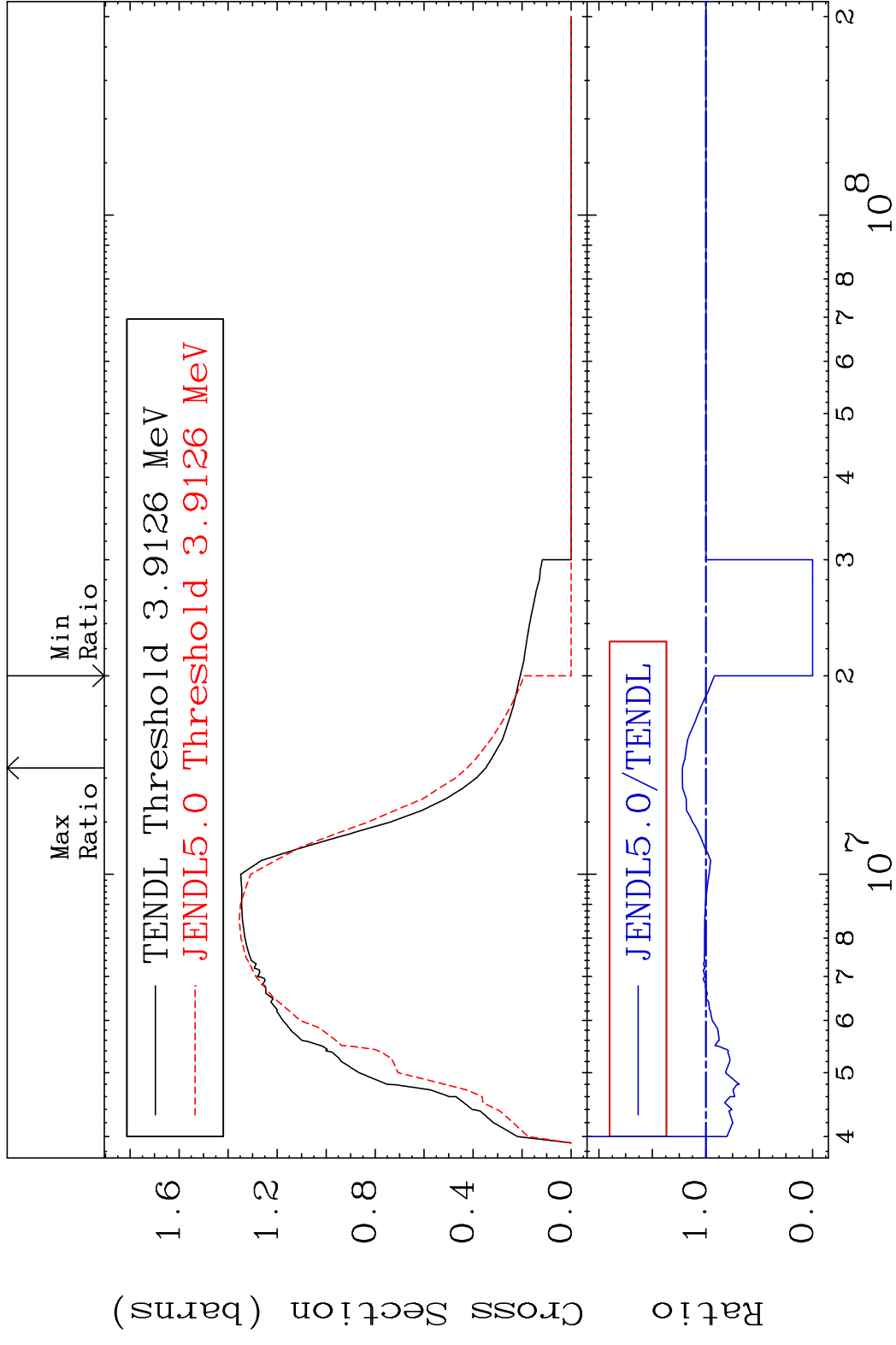


2

Incident Energy (eV)

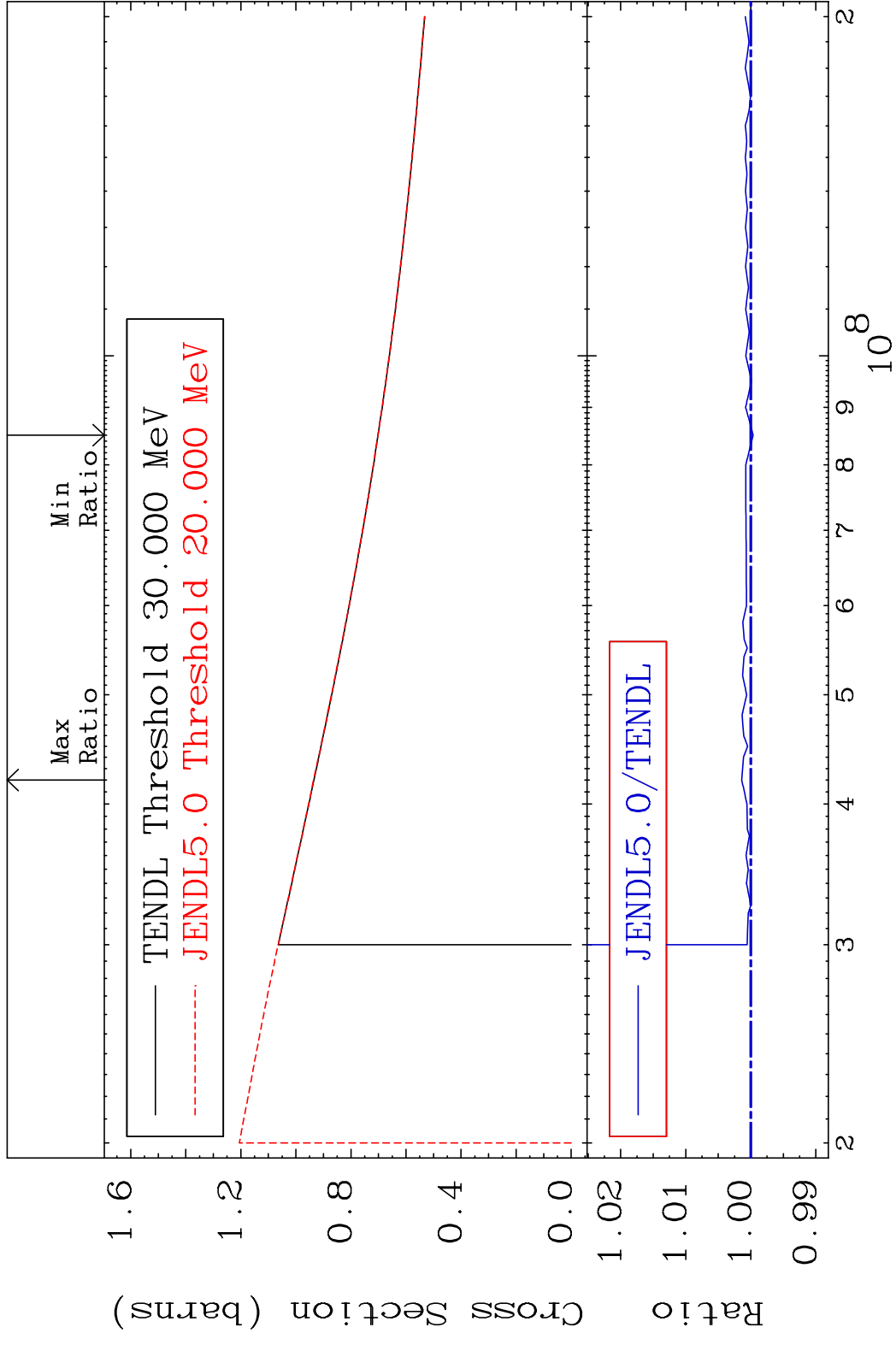
20-Ca-48

MAT 2049 Inelastic Cross Section -100.0 To 21.94 % 20-Ca-48



3 Incident Energy (eV) 20-Ca-48

MAT 2049 (n, remainder) 20-Ca-48
 Cross Section -0.036 To 0.139 %



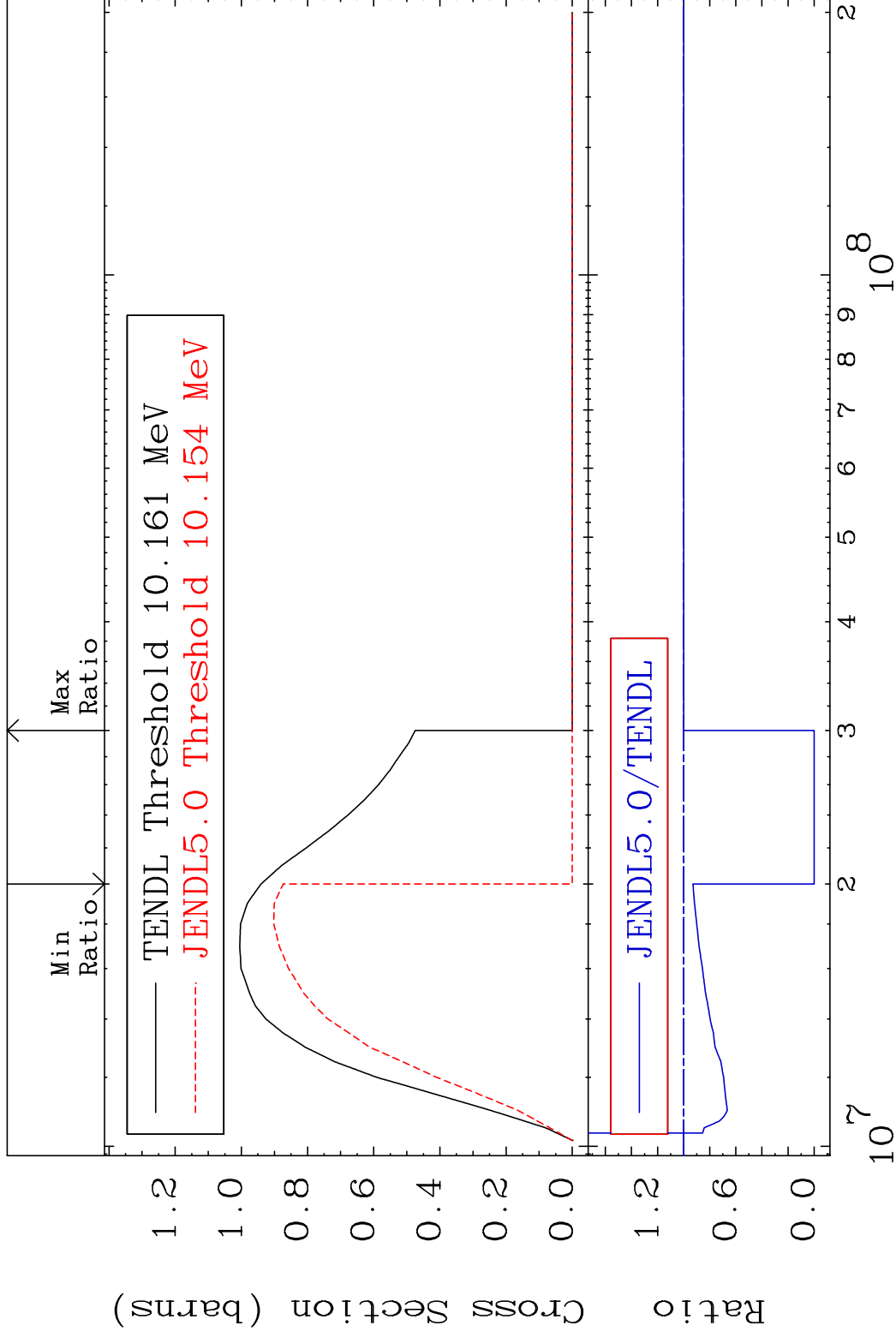
4 Incident Energy (eV) 20-Ca-48

MAT 2049

(n,2n)

20-Ca-48

Cross Section -100.0 To 0.000 %

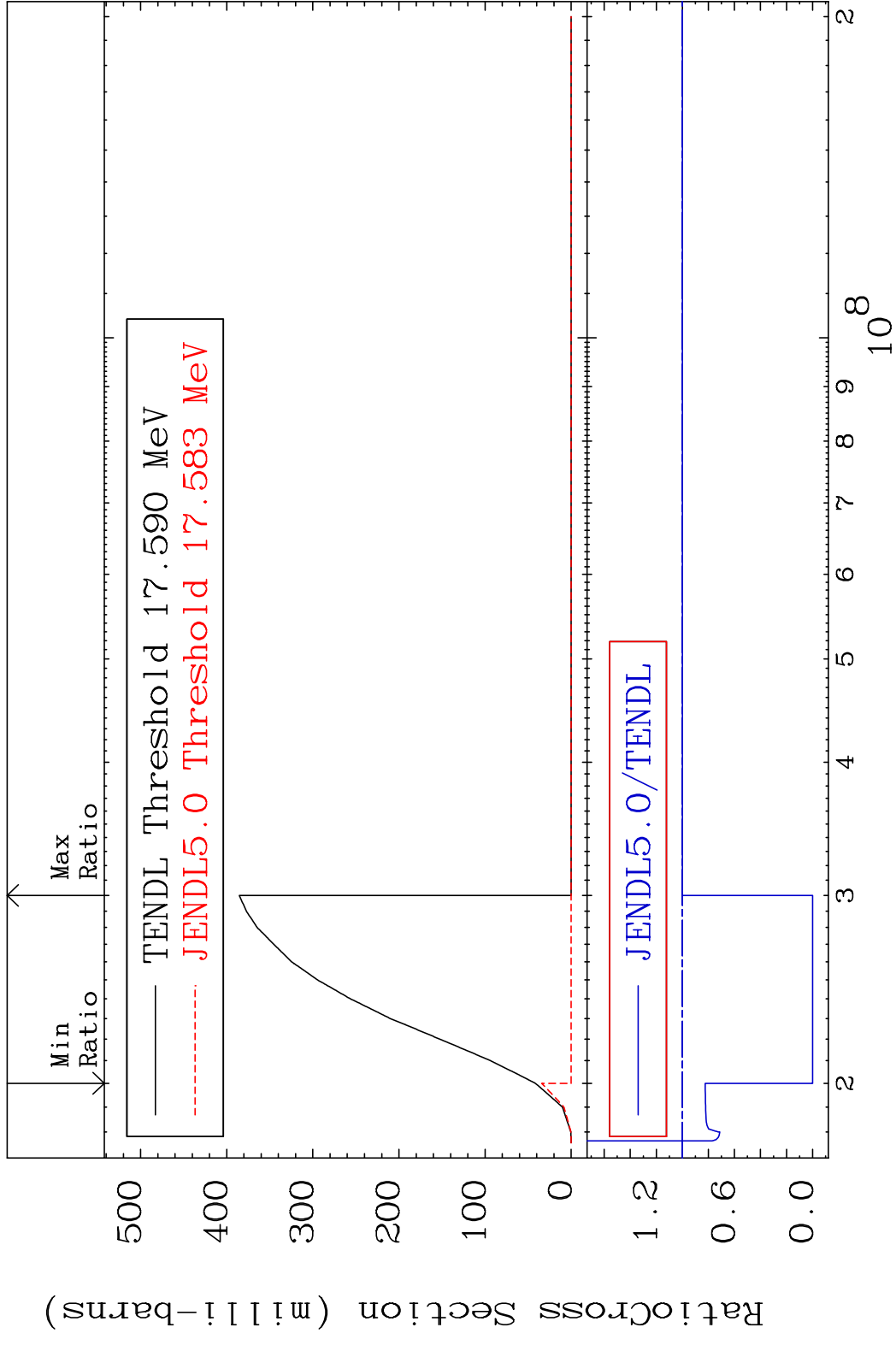


5

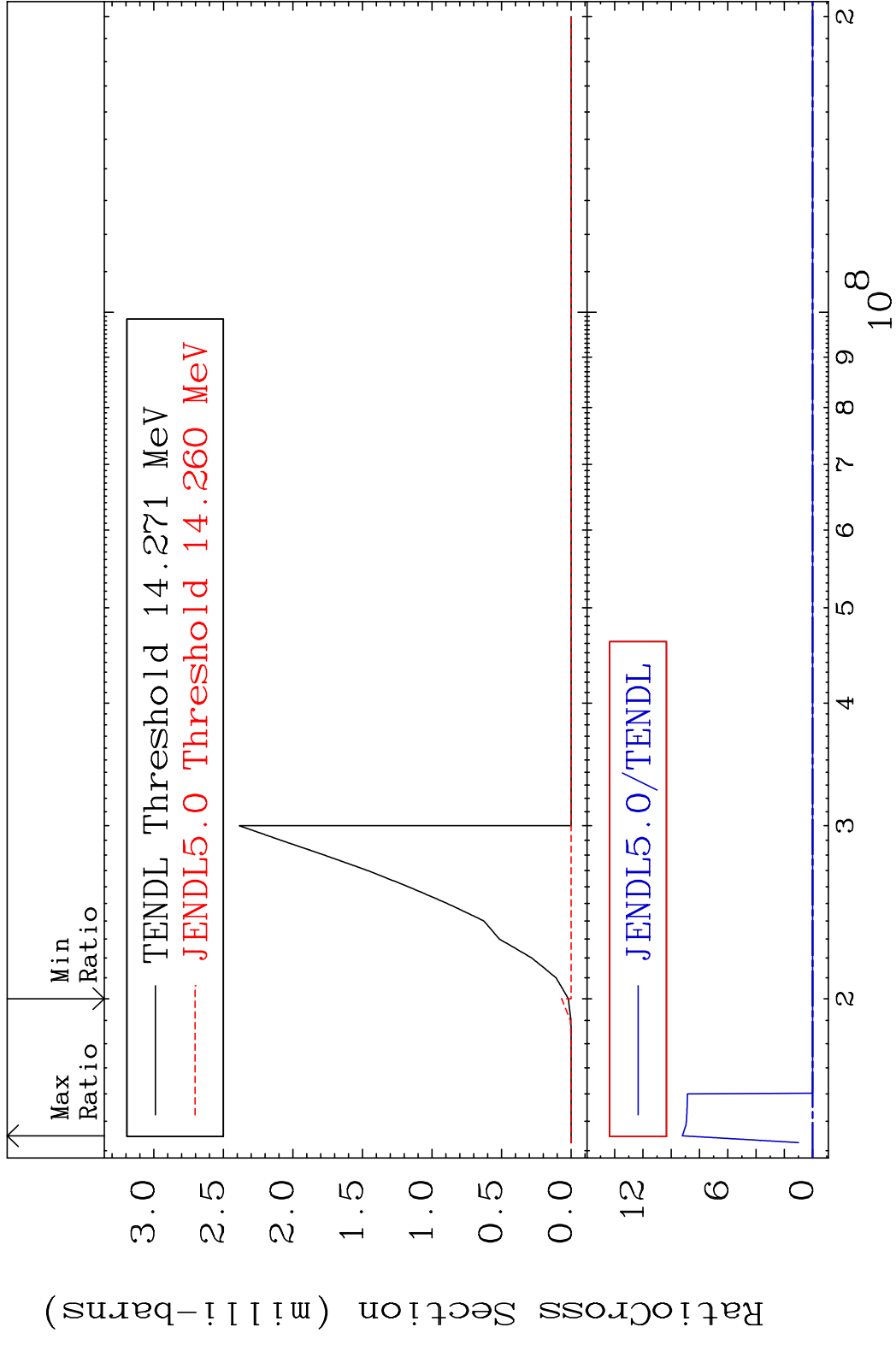
Incident Energy (eV)

20-Ca-48

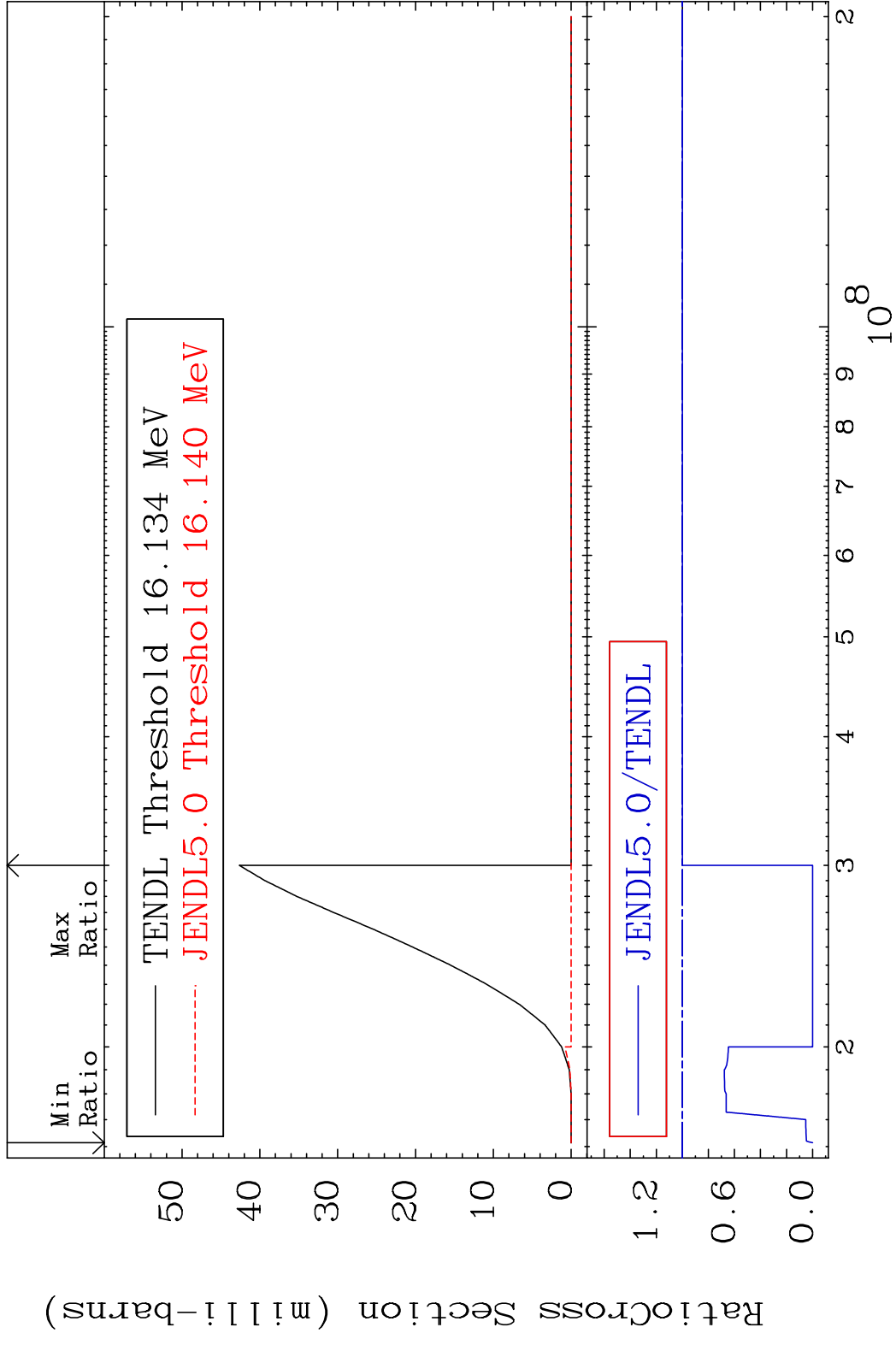
MAT 2049 (n,3n) 20-Ca-48
 Cross Section -100.0 To 0.000 %



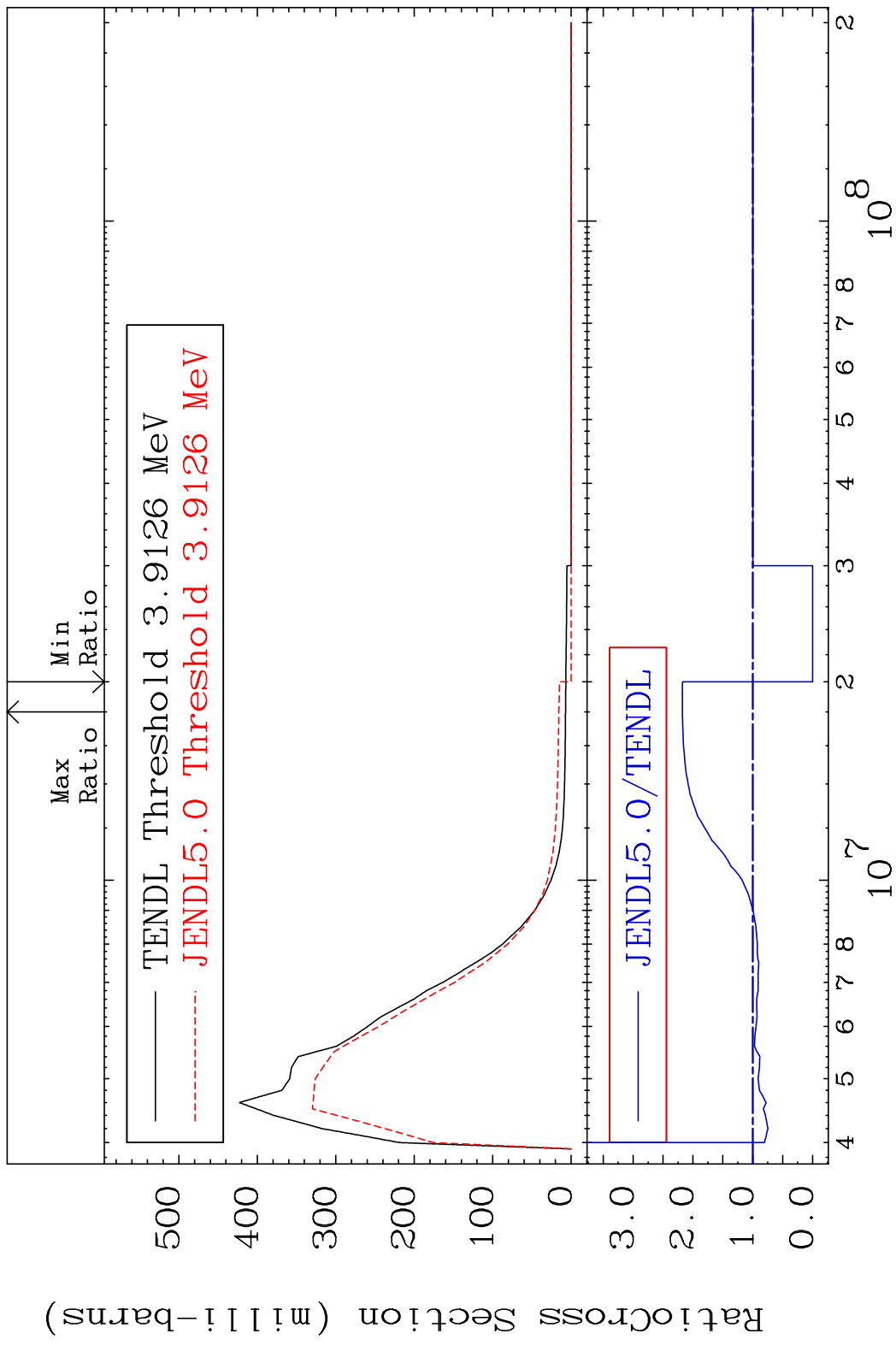
MAT 2049 (n, n') α 20-Ca-48
 Cross Section -100.0 To 9999. %



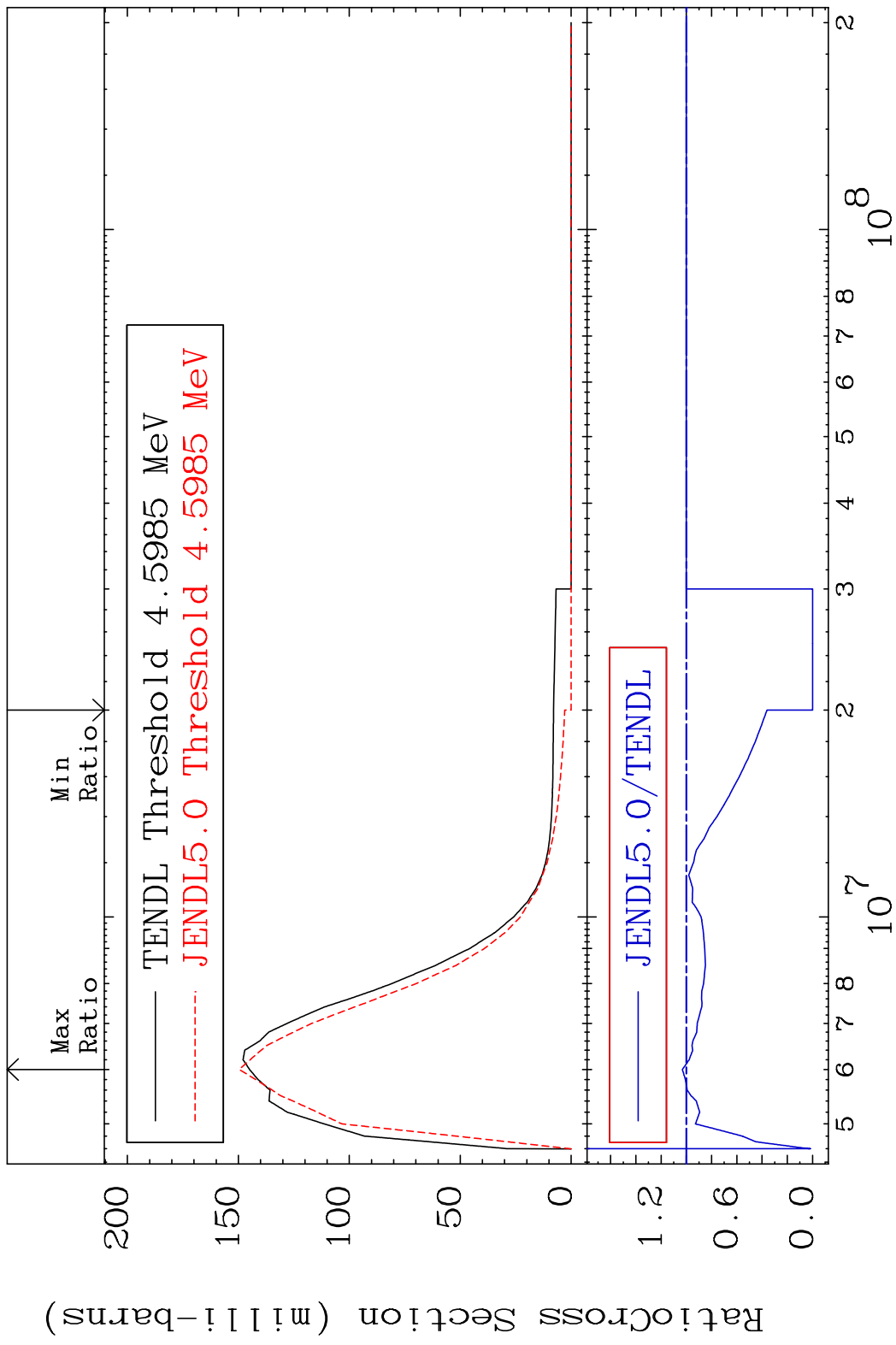
MAT 2049 (n, n') p 20-Ca-48
 Cross Section -100.0 To 0.000 %



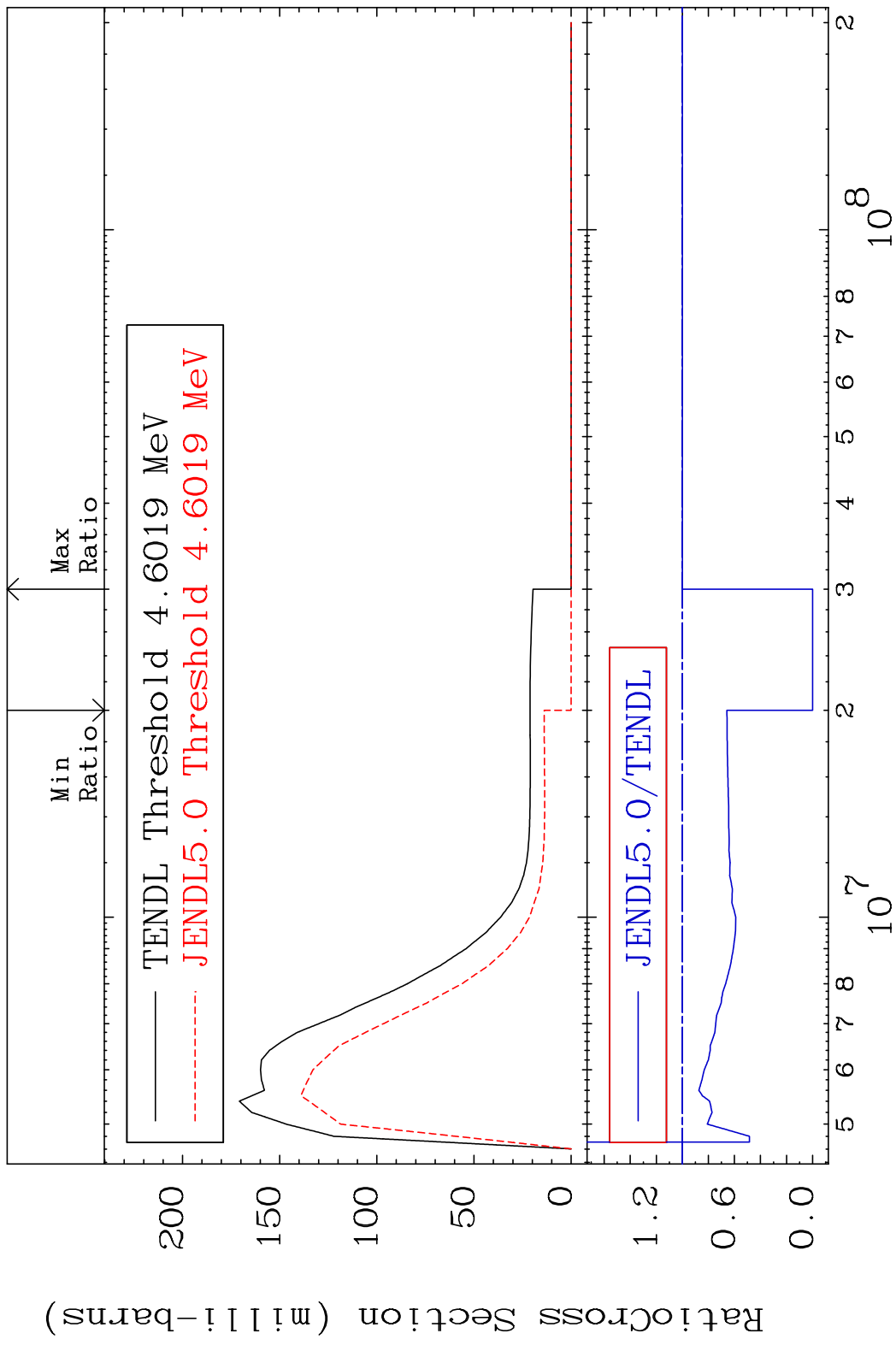
MAT 2049 MT= 51 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 117.7 %



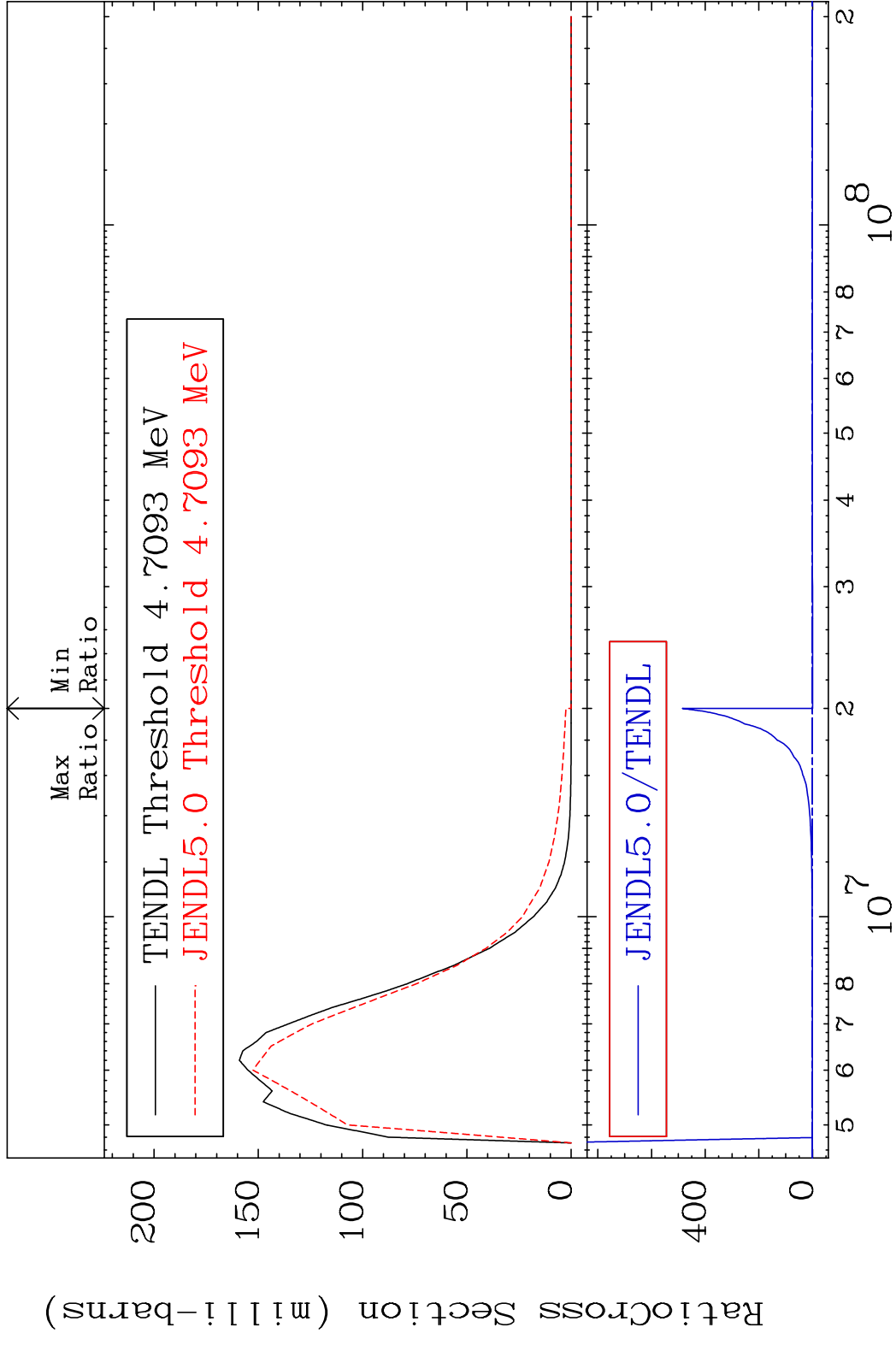
MAT 2049 MT= 53 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 3.177 %



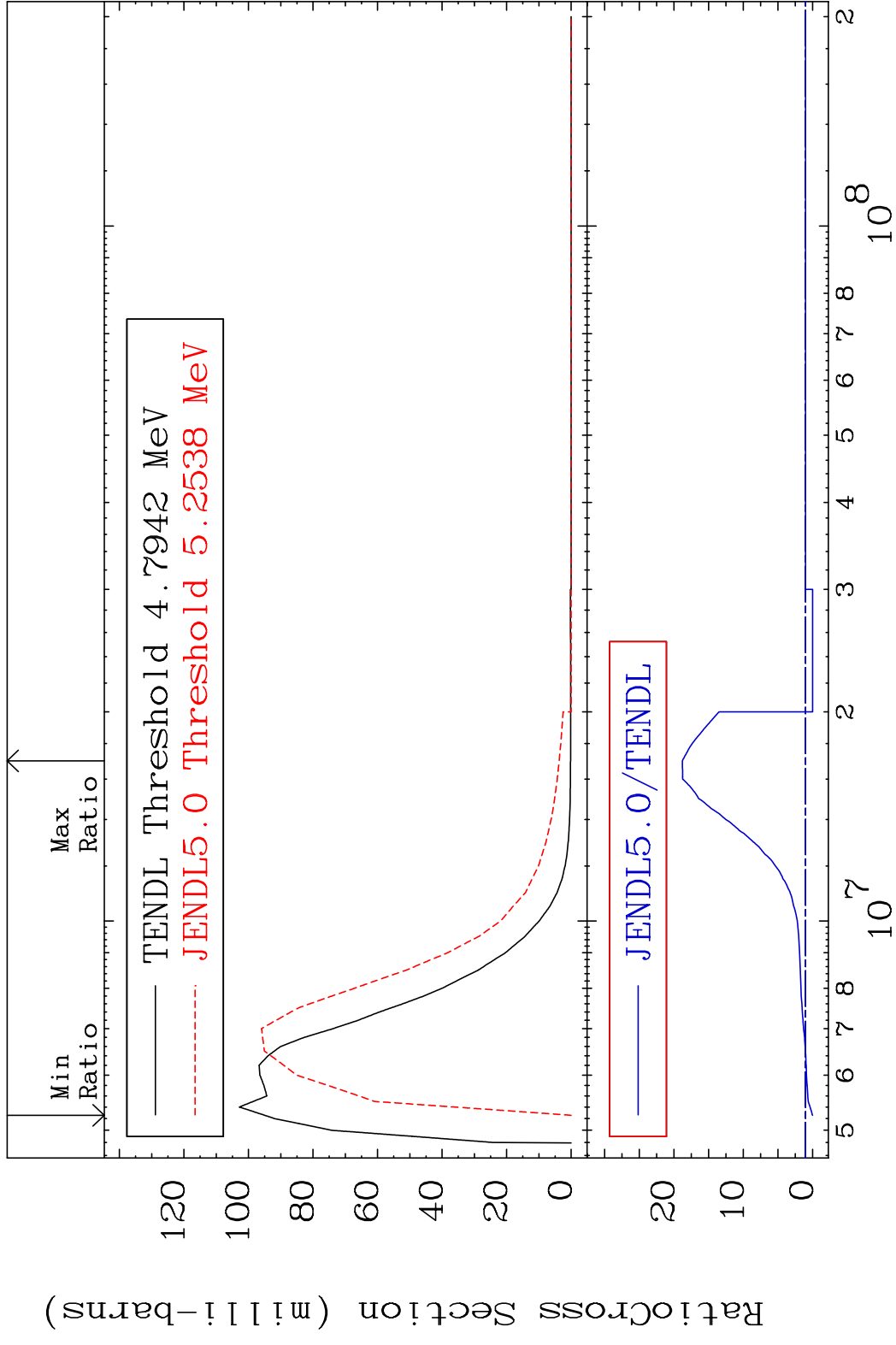
MAT 2049 MT= 54 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 0.000 %



MAT 2049 MT= 55 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %

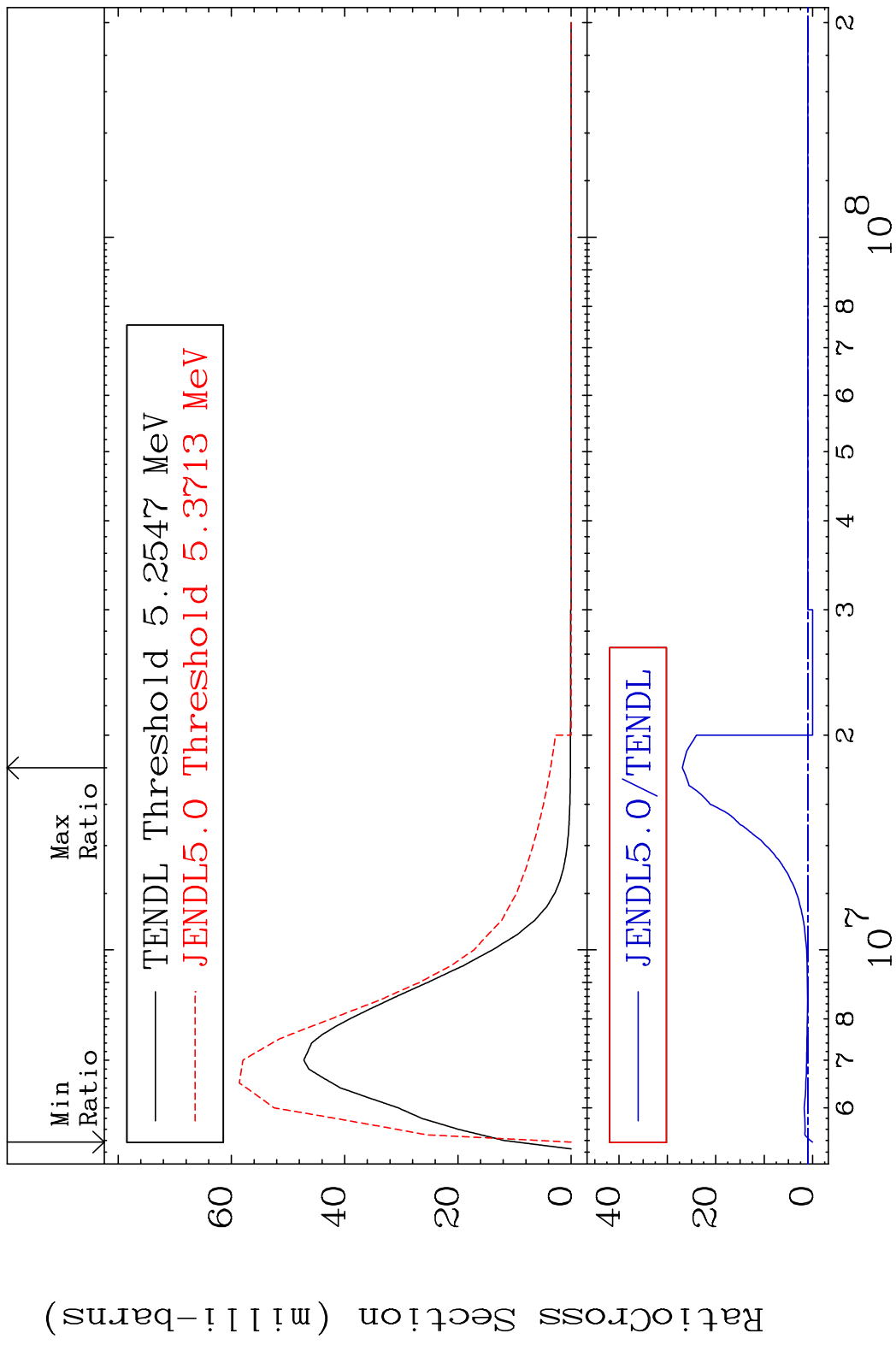


MAT 2049 MT= 56 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1778. %



14 Incident Energy (eV) 20-Ca-48

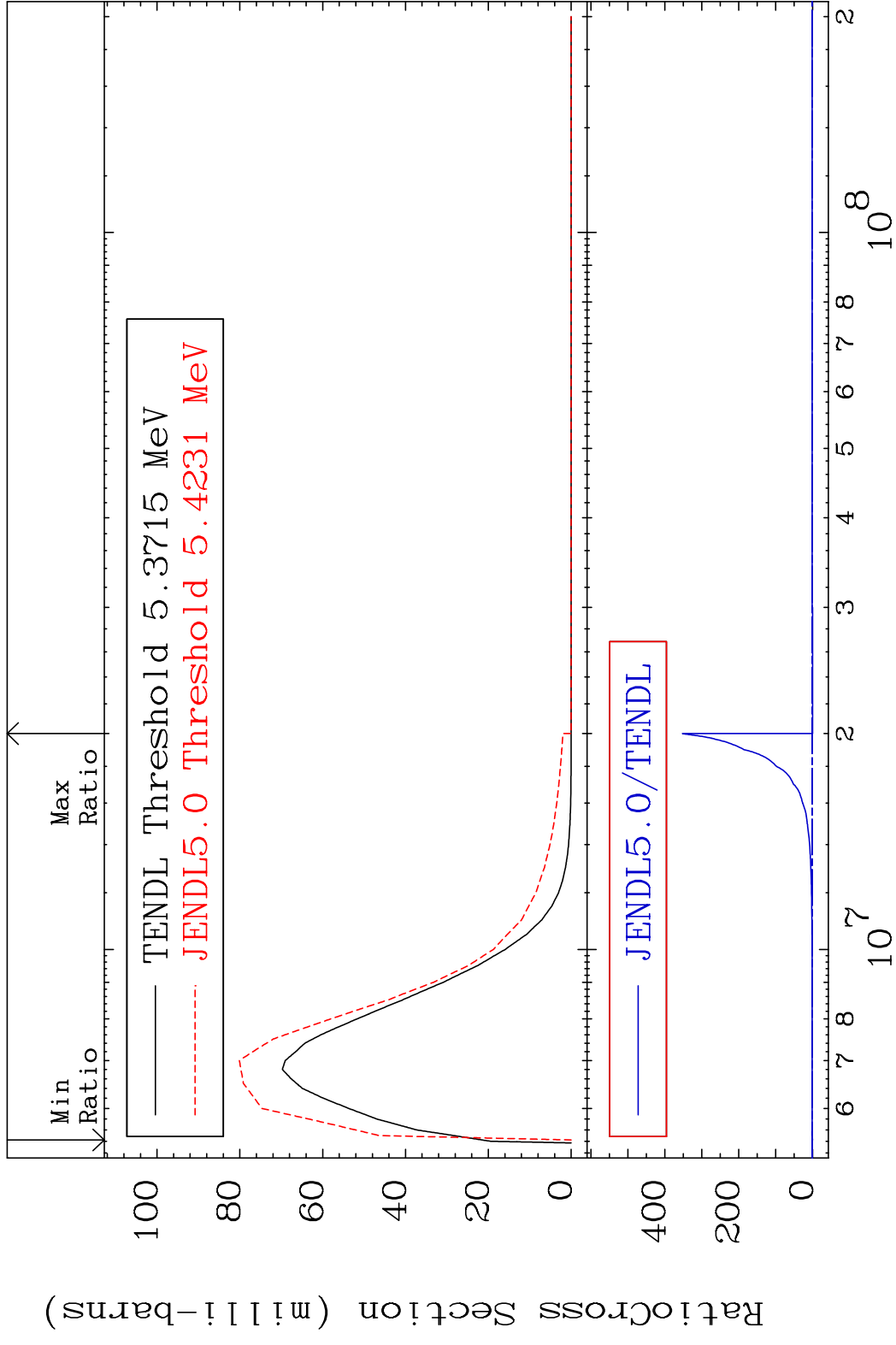
MAT 2049 MT= 57 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 2591. %



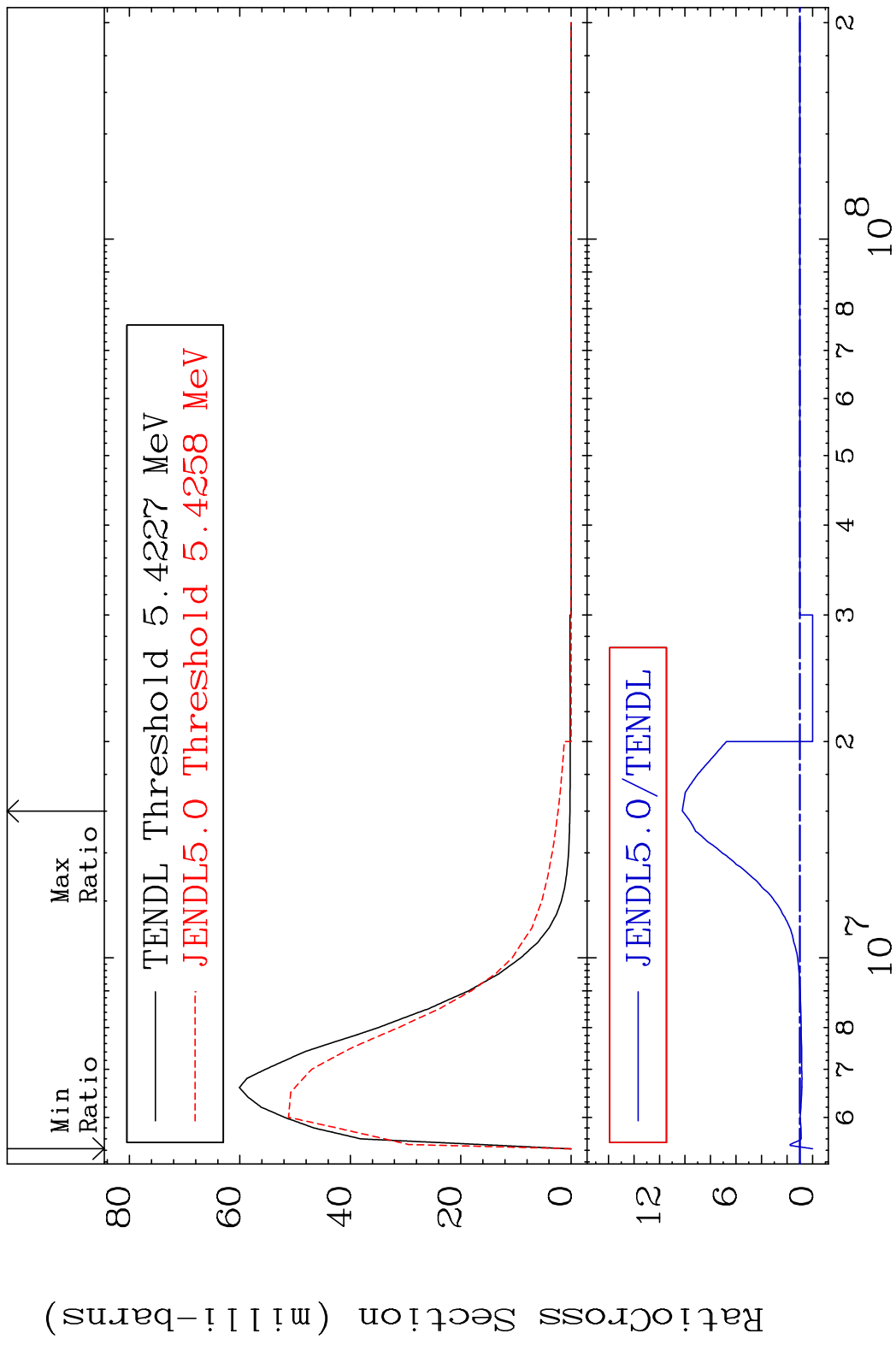
15

Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 58 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %

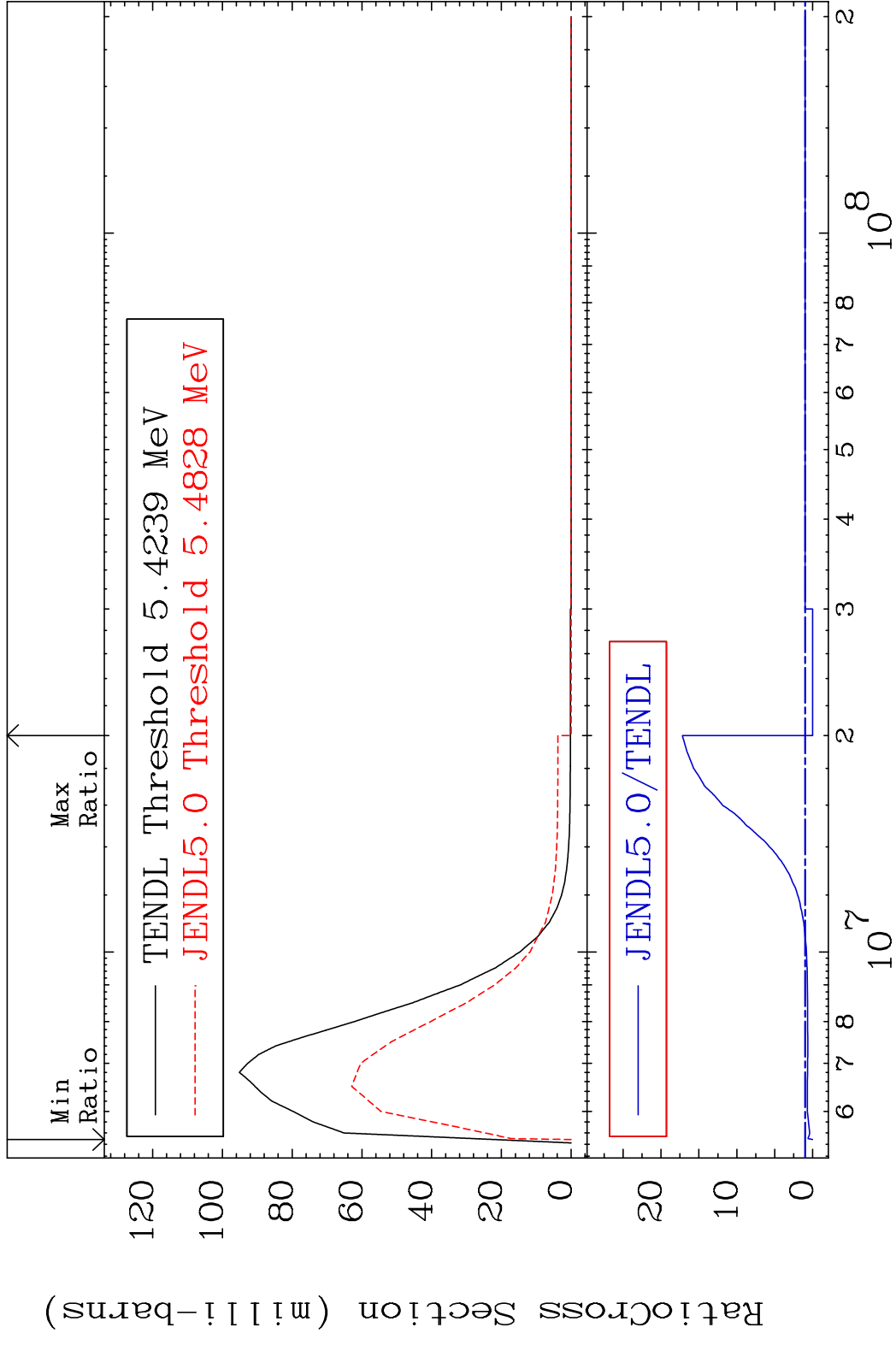


MAT 2049 MT= 59 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 920.7 %



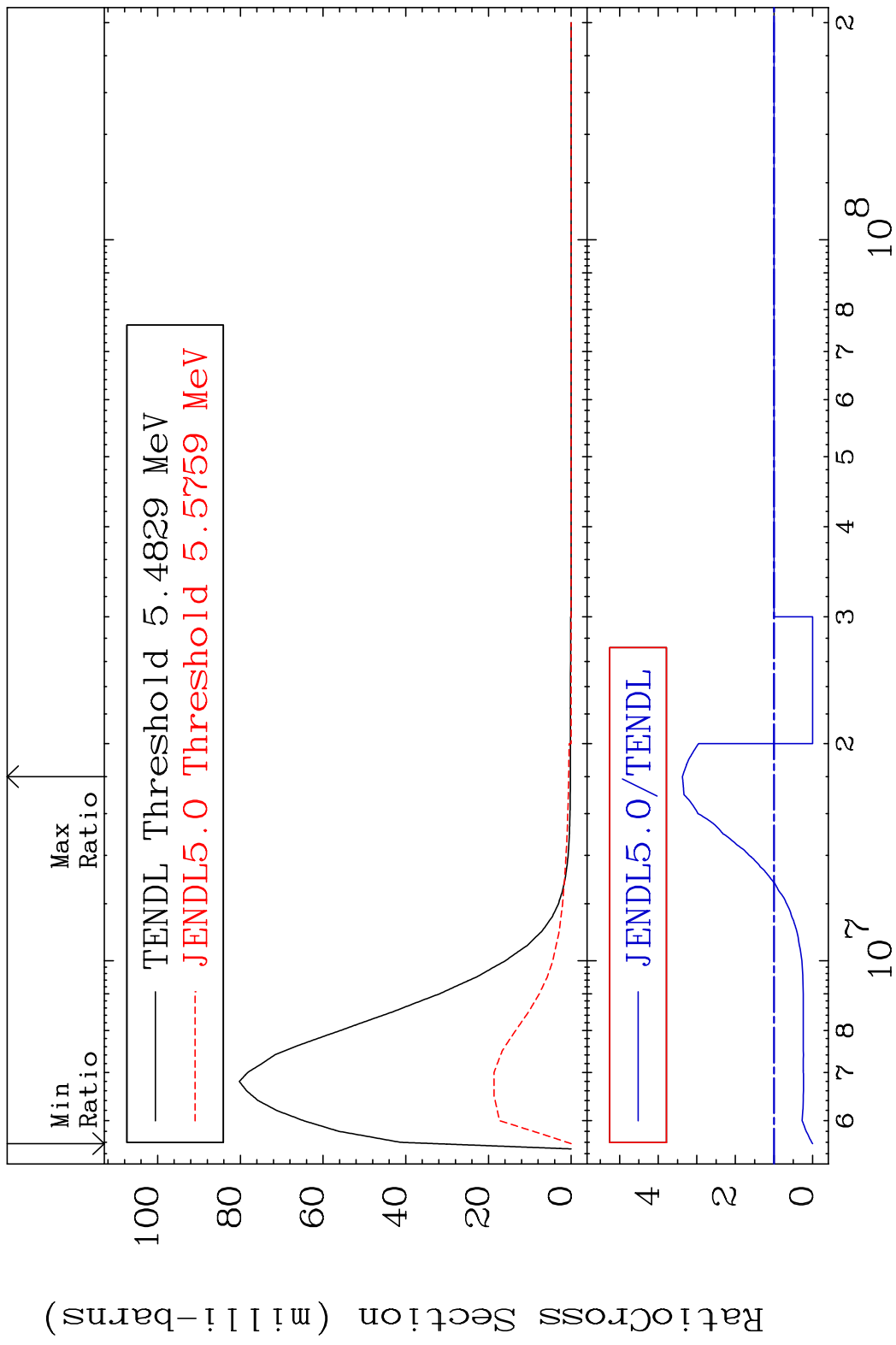
17 20-Ca-48

MAT 2049 MT= 60 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1619. %



18 20-Ca-48

MAT 2049 MT= 61 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 237.4 %

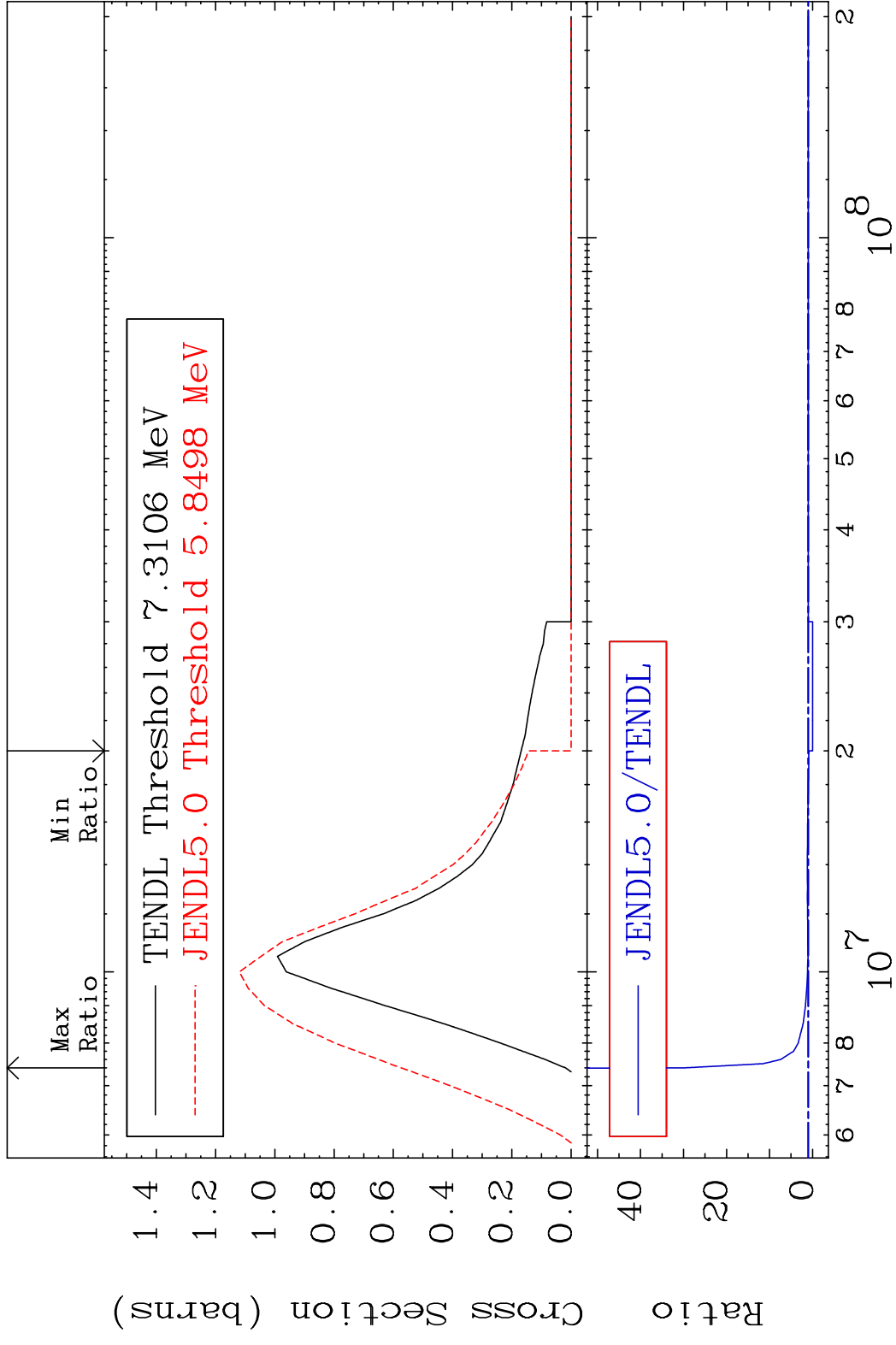


MAT 2049

(n,n') Continuum

20-Ca-48

Cross Section -100.0 To 2927. %



20

Incident Energy (eV)

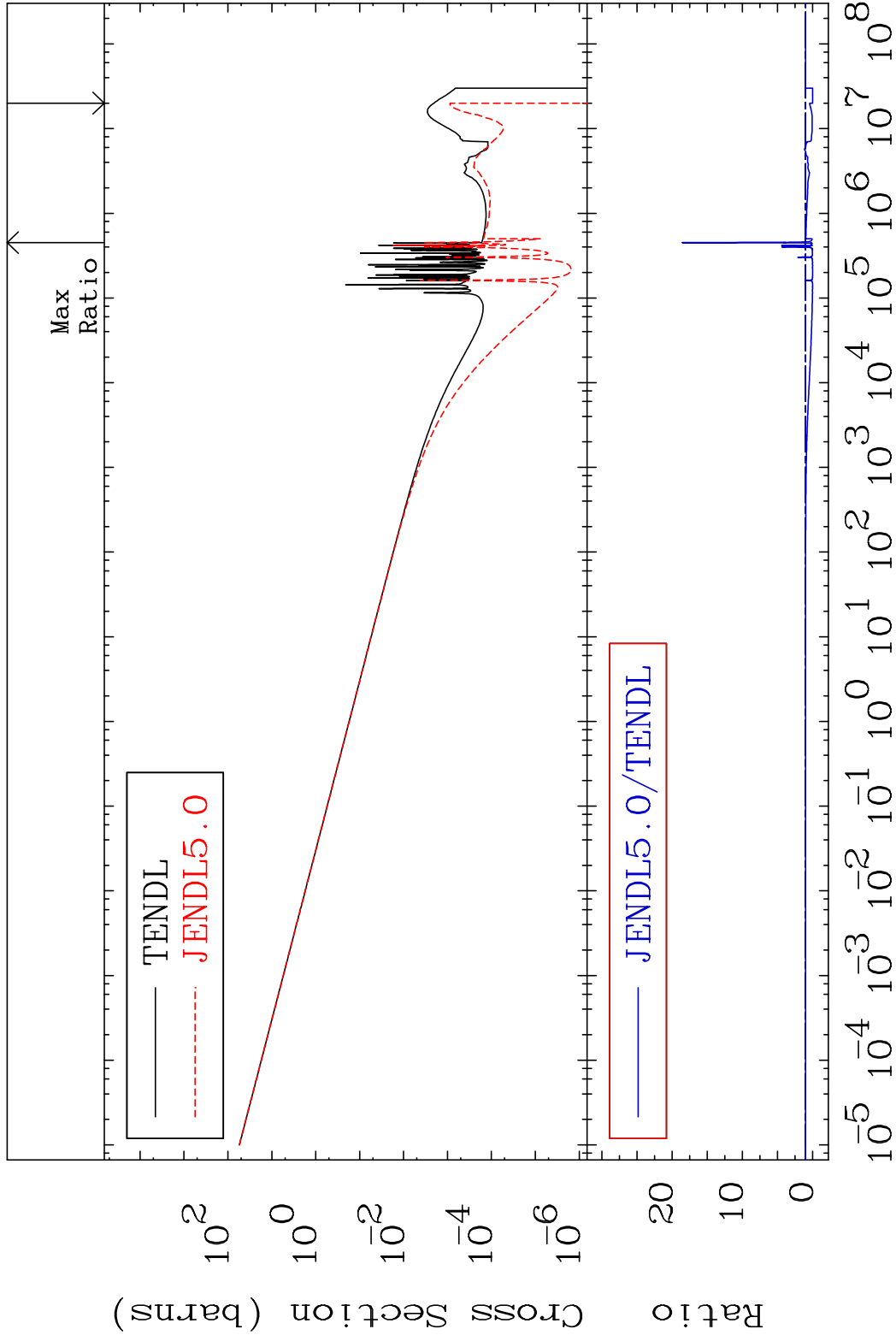
20-Ca-48

MAT 2049

(n, γ)

20-Ca-48

Cross Section -100.0 To 1755. %

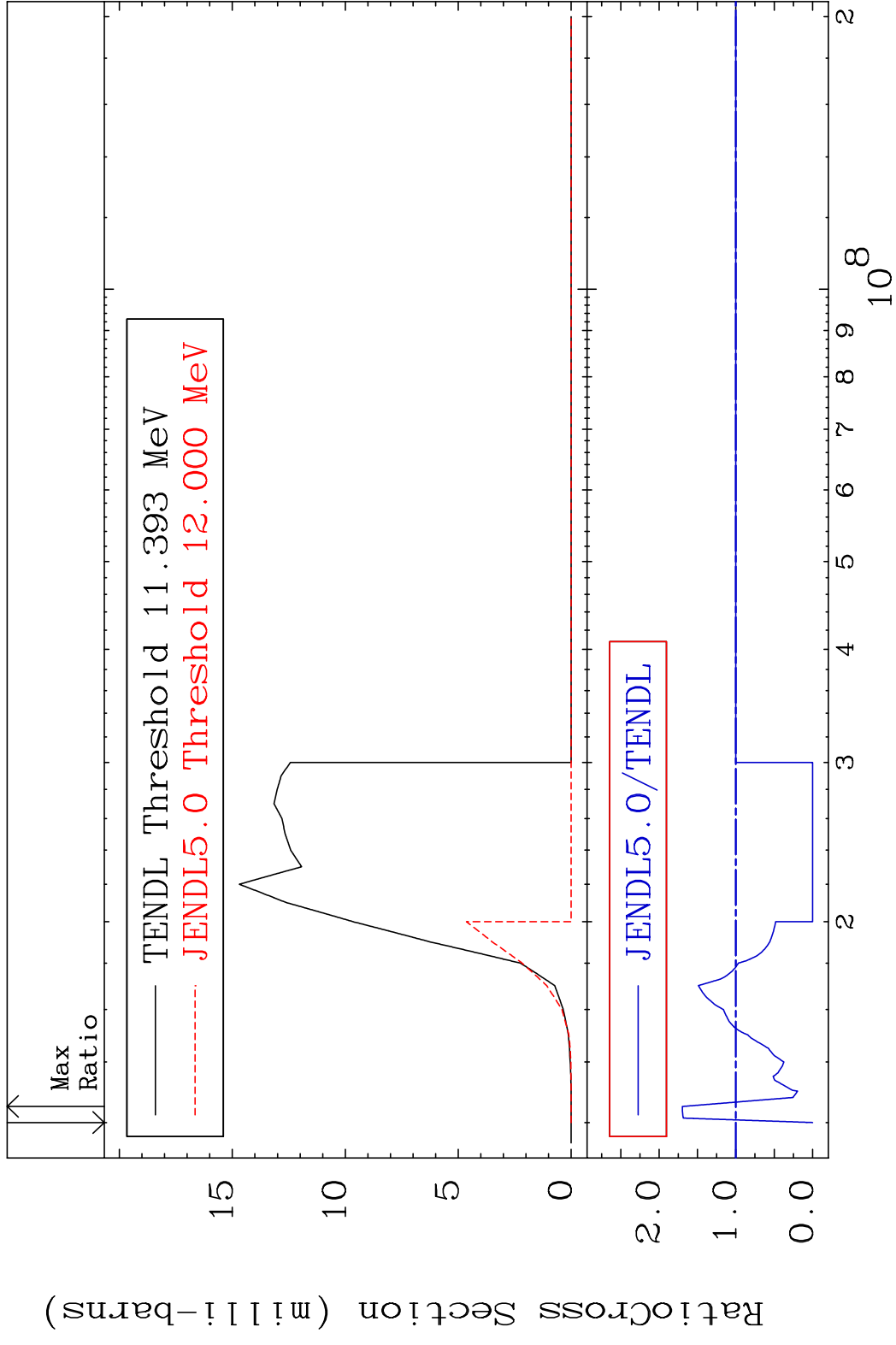


21

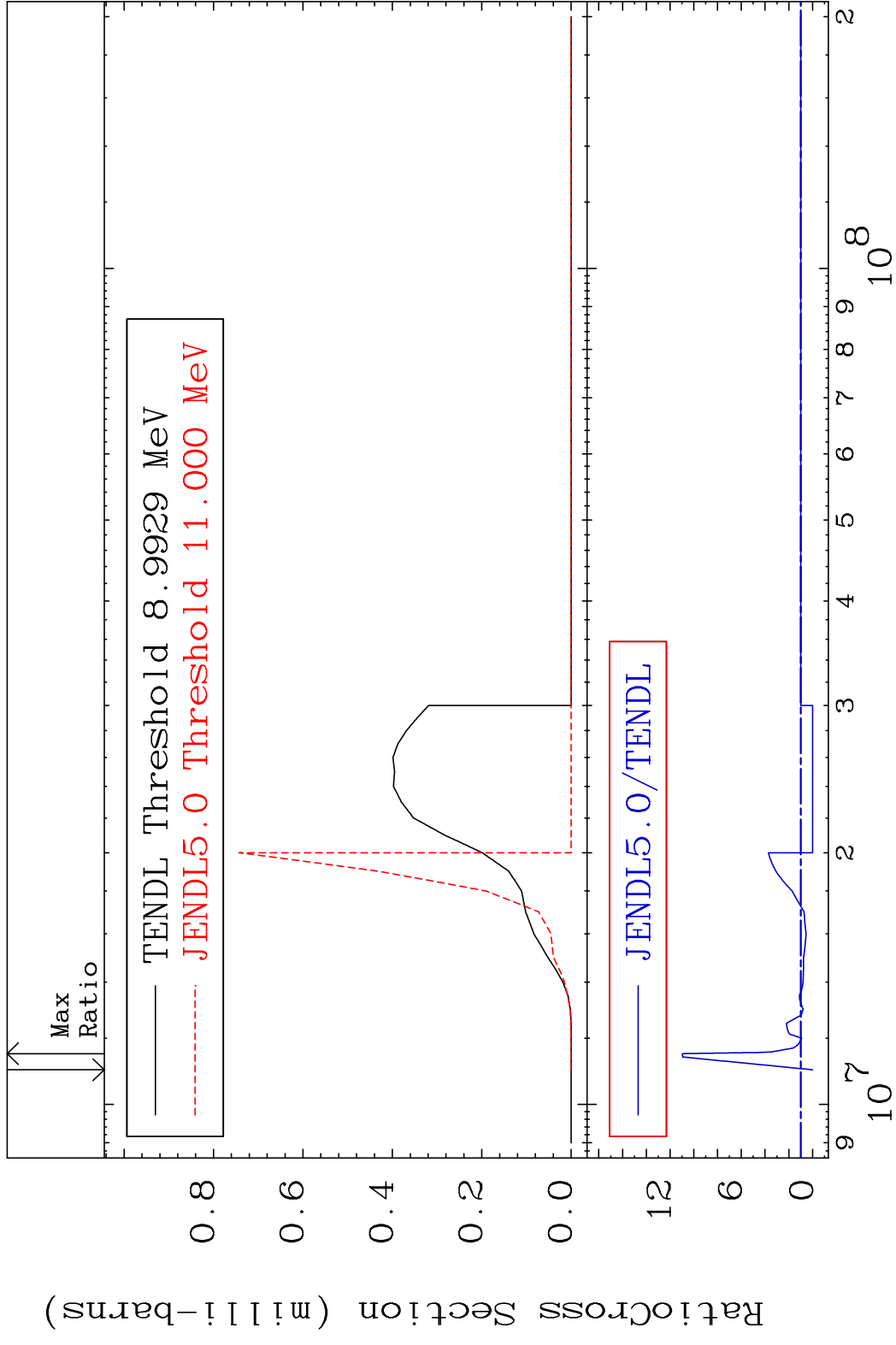
Incident Energy (eV)

20-Ca-48

MAT 2049 (n,p) 20-Ca-48
 Cross Section -100.0 To 69.70 %

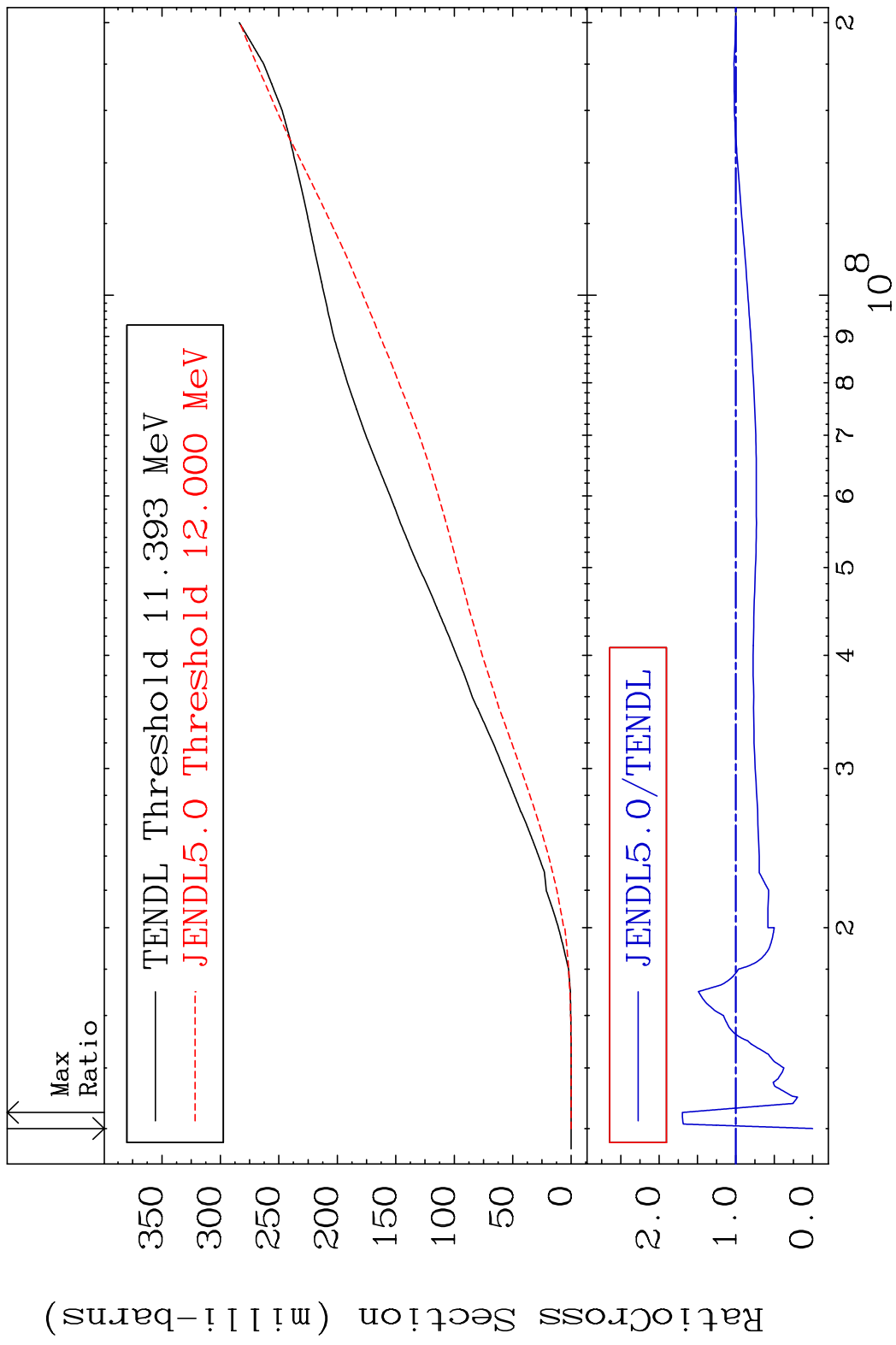


MAT 2049 (n, α) 20-Ca-48
 Cross Section -100.0 To 996.4 %

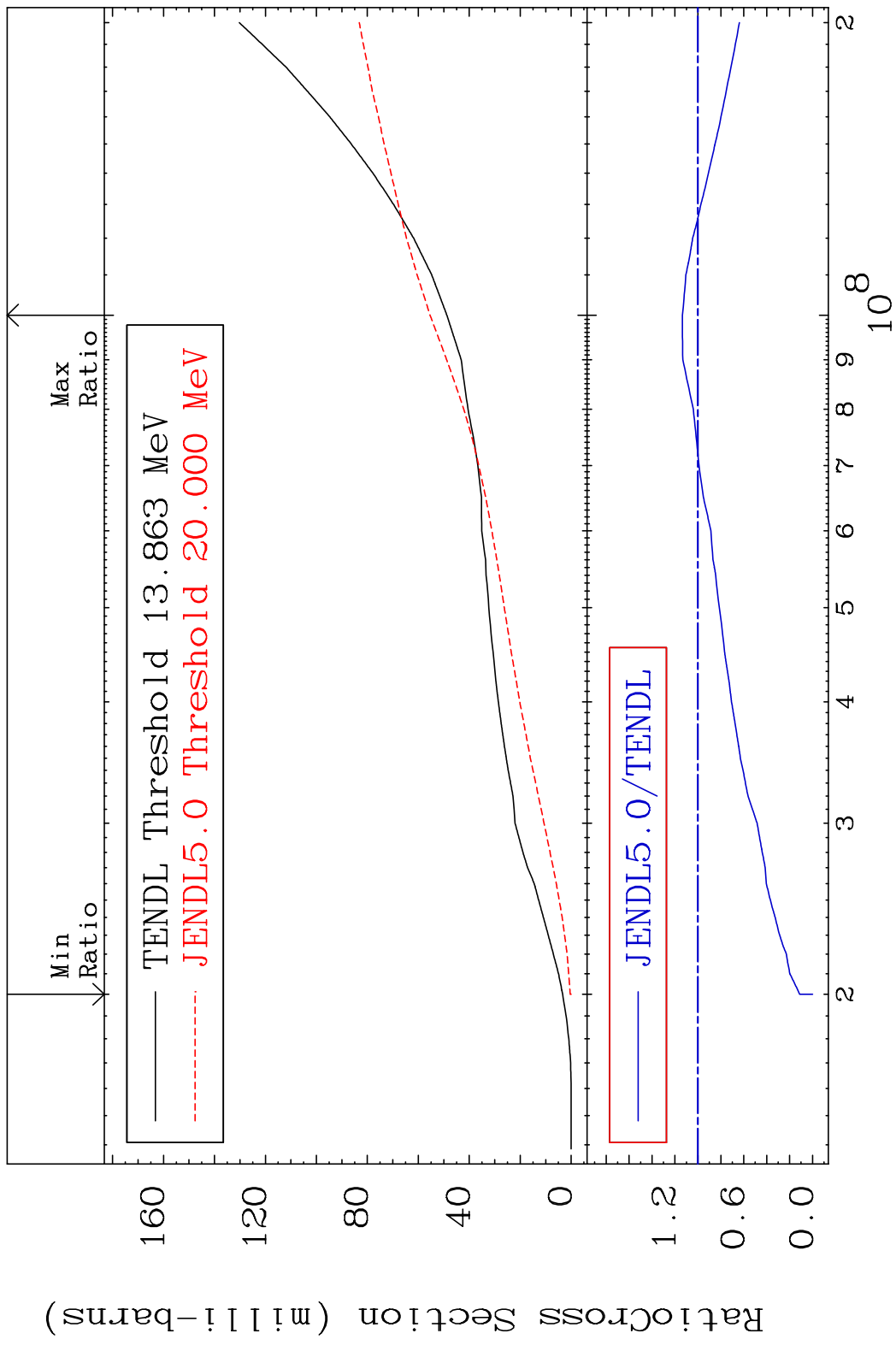


23 20-Ca-48

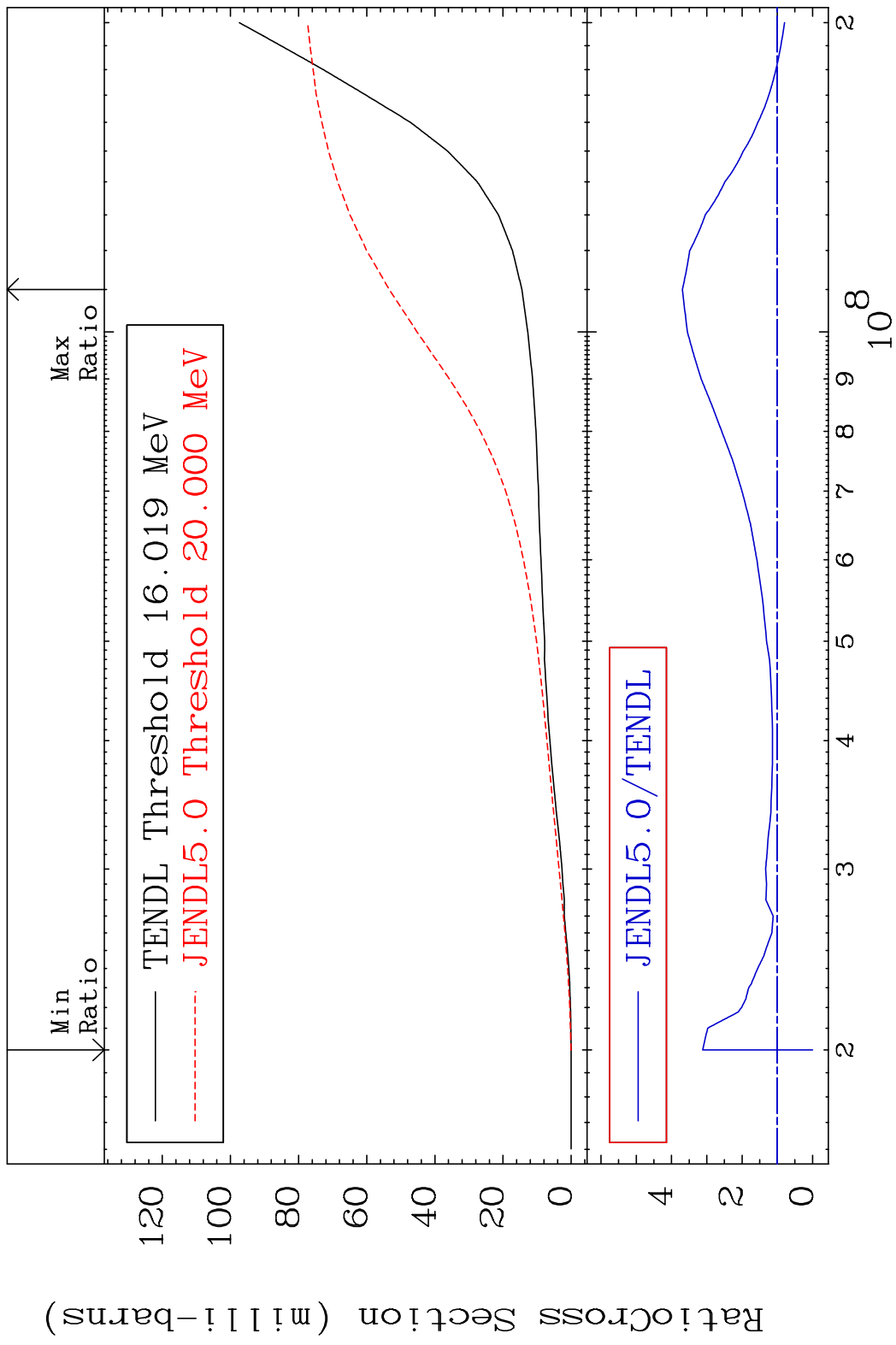
MAT 2049 Hydrogen Production 20-Ca-48
 Cross Section -100.0 To 69.70 %



MAT 2049 Deuterium Production 20-Ca-48
 Cross Section -100.0 To 13.54 %



MAT 2049 Tritium Production 20-Ca-48
 Cross Section -100.0 To 269.2 %

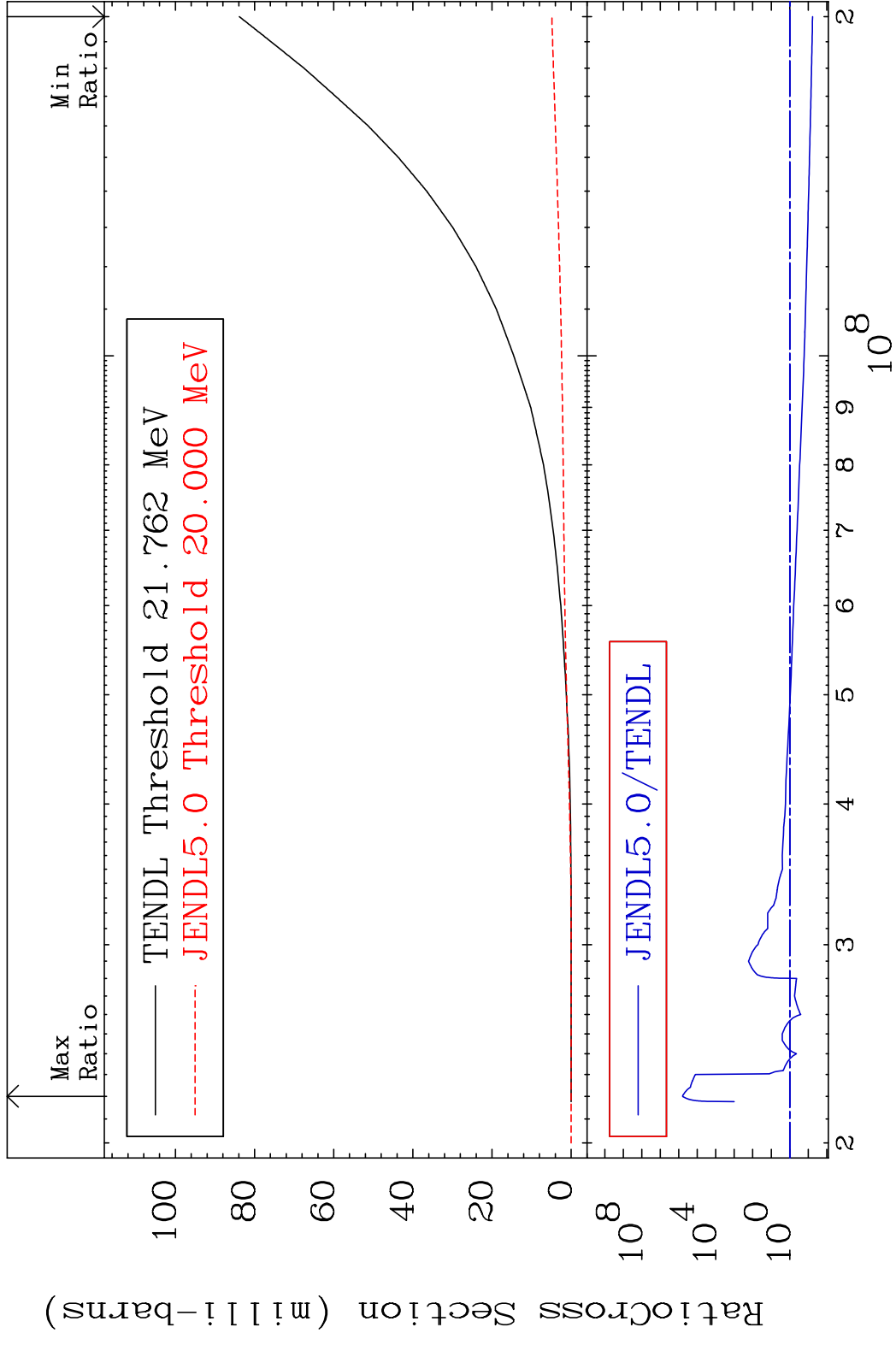


MAT 2049

He-3 Production

20-Ca-48

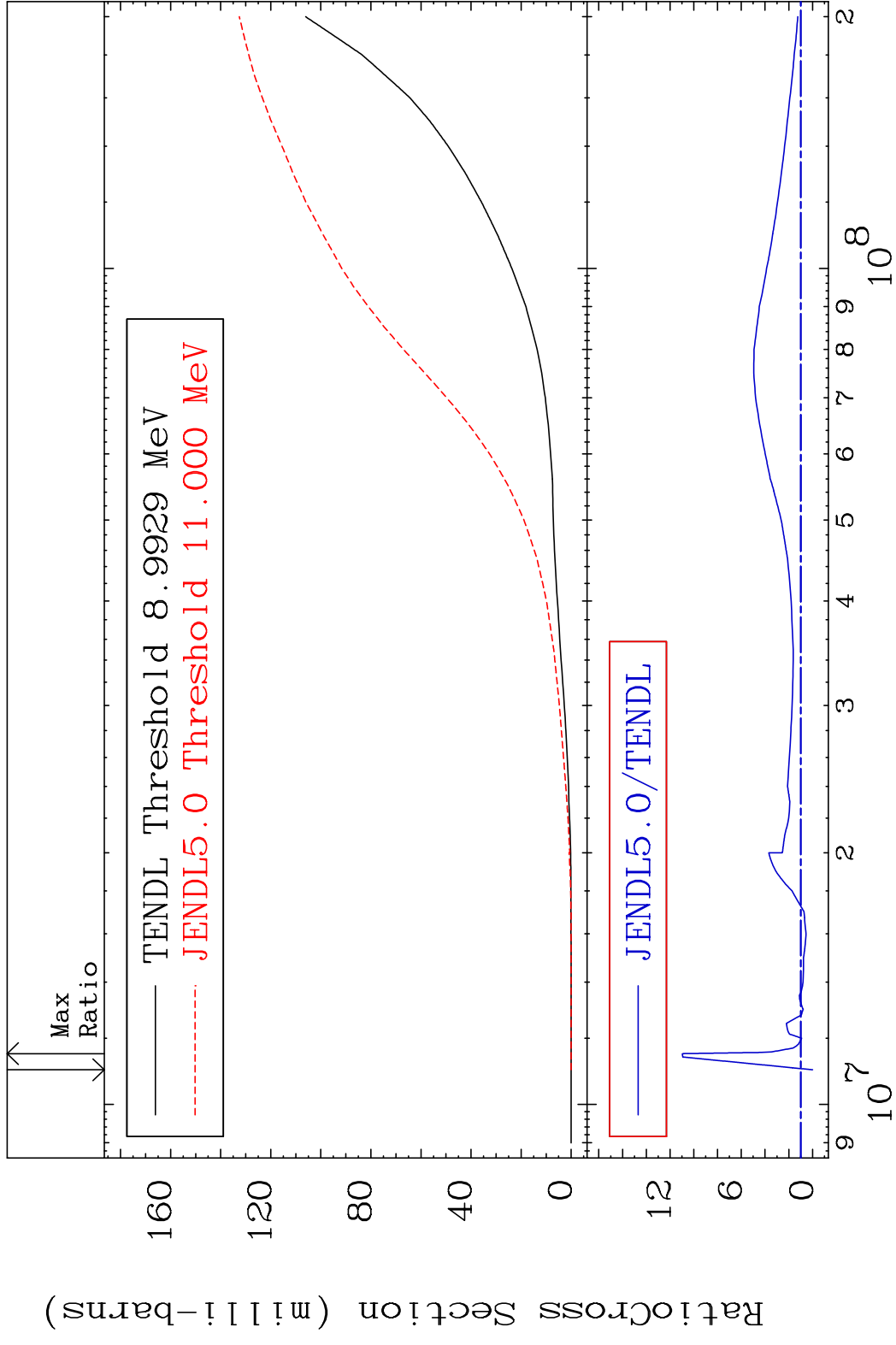
Cross Section -94.16 To 9999. %



27

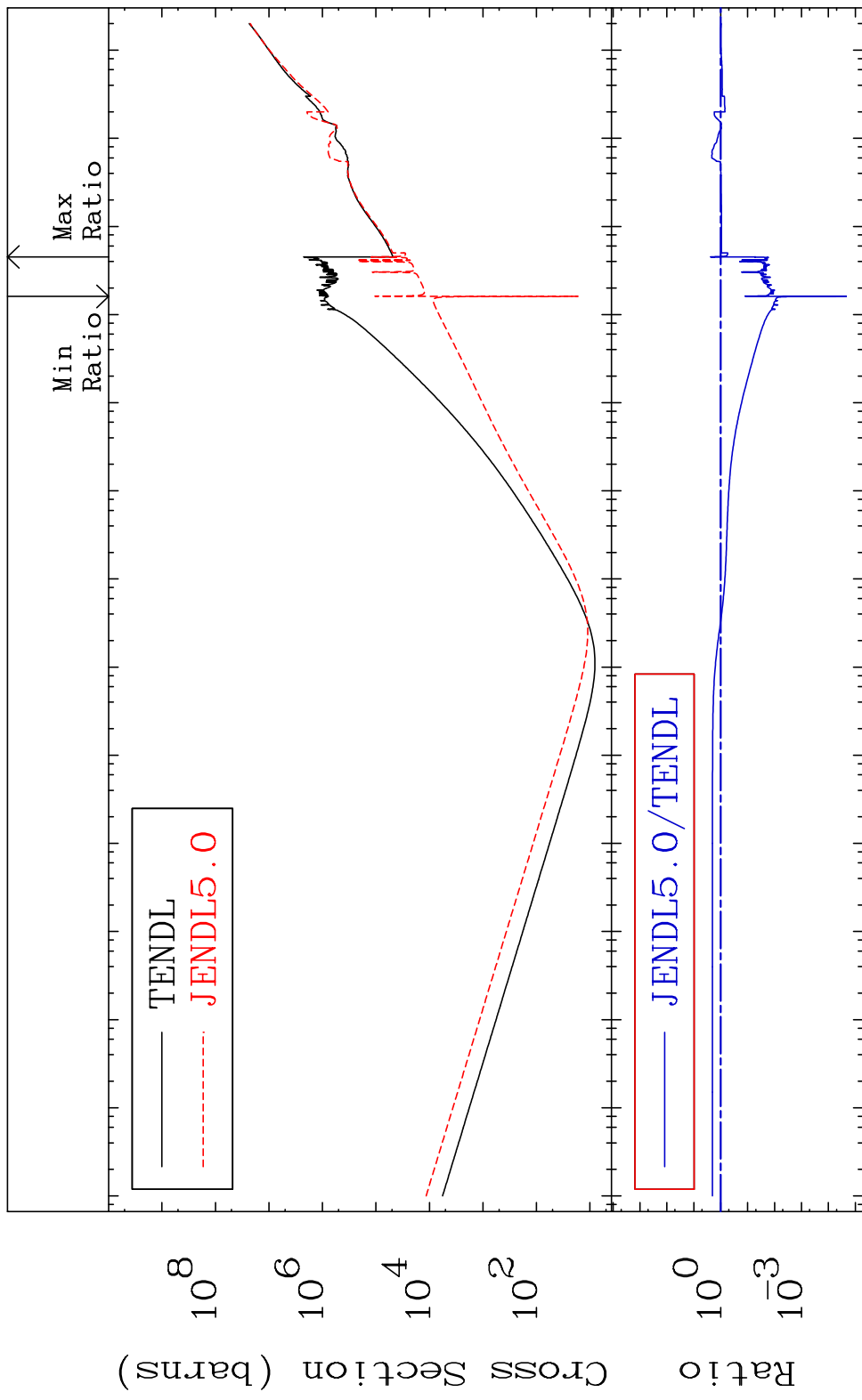
Incident Energy (eV) 20-Ca-48

MAT 2049 He-4 Production 20-Ca-48
 Cross Section -100.0 To 996.4 %



28 20-Ca-48

MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 135.8 %

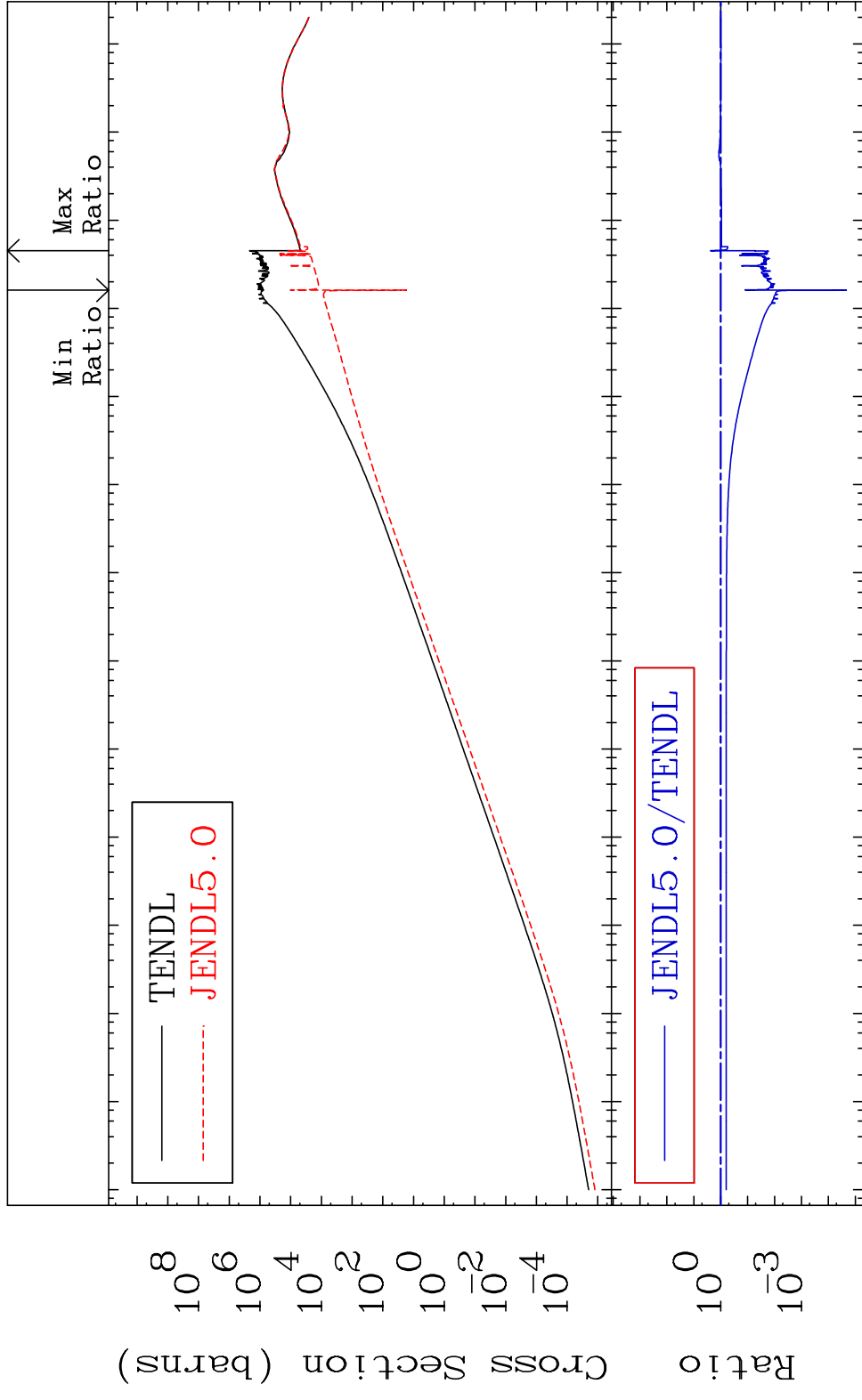


29 Incident Energy (eV) 20-Ca-48

MAT 2049

Kerma elastic
Cross Section

20-Ca-48
-100.0 To 135.8 %

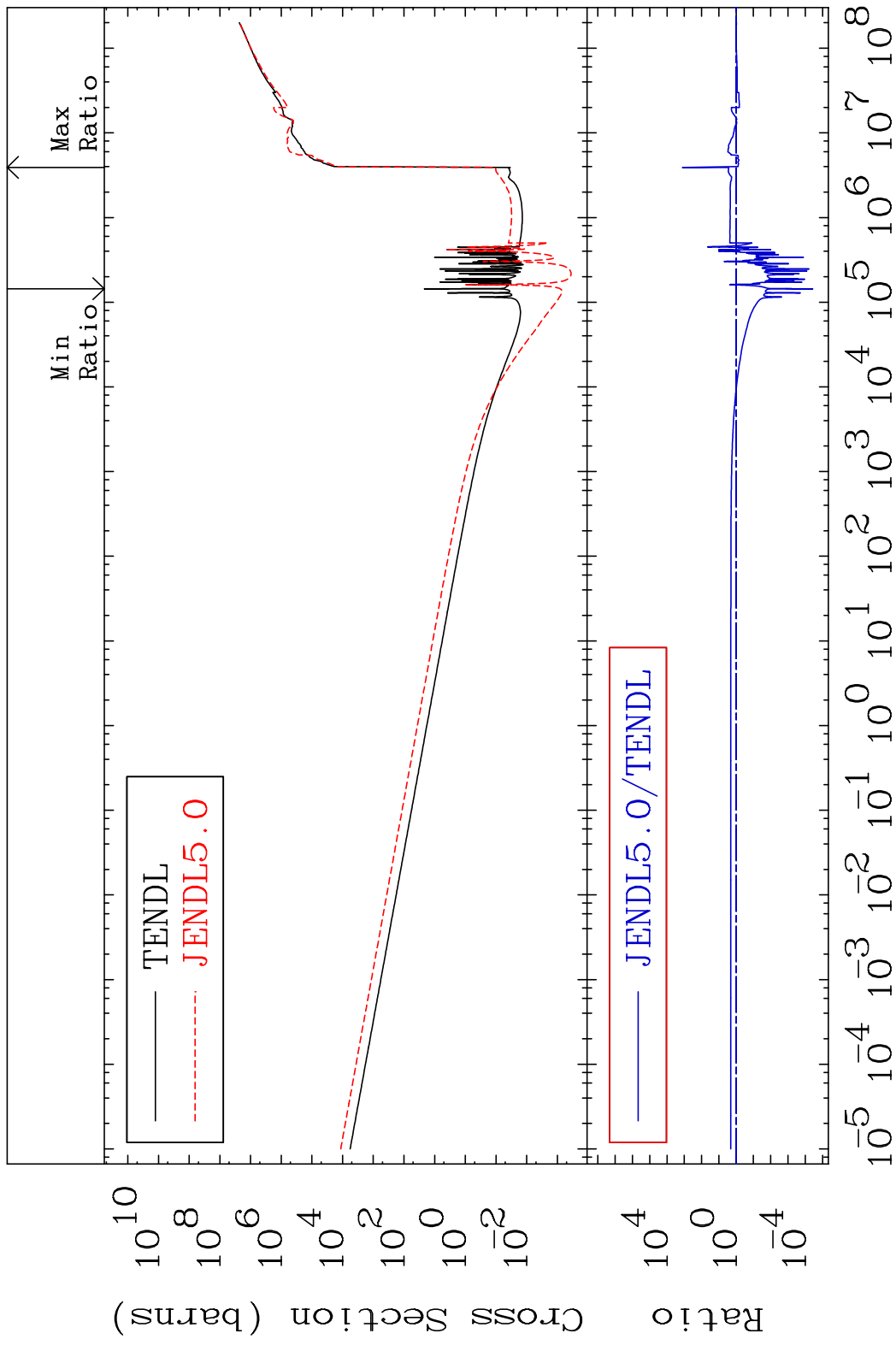


30

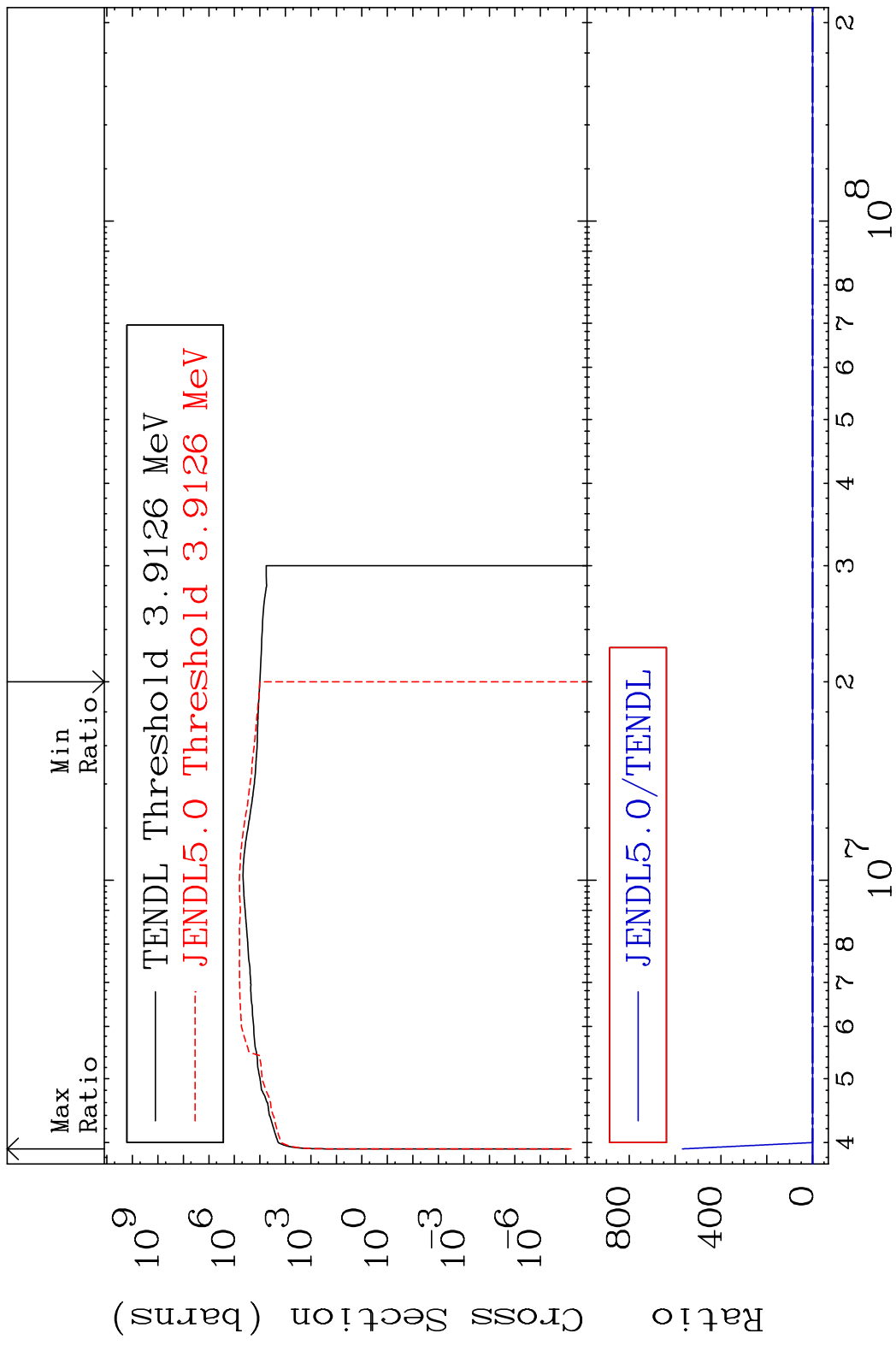
Incident Energy (eV)

20-Ca-48

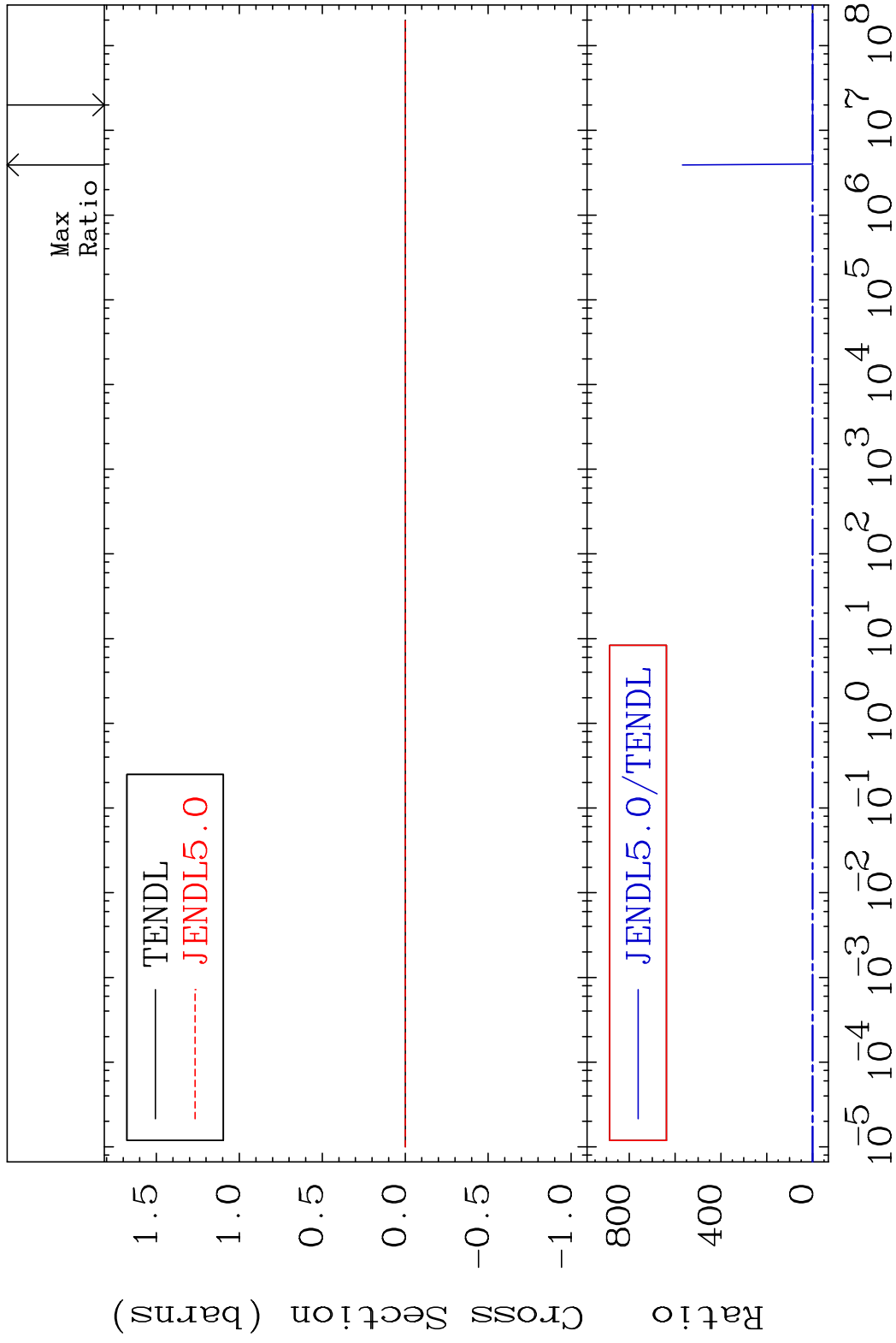
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -100.0 To 9999. %



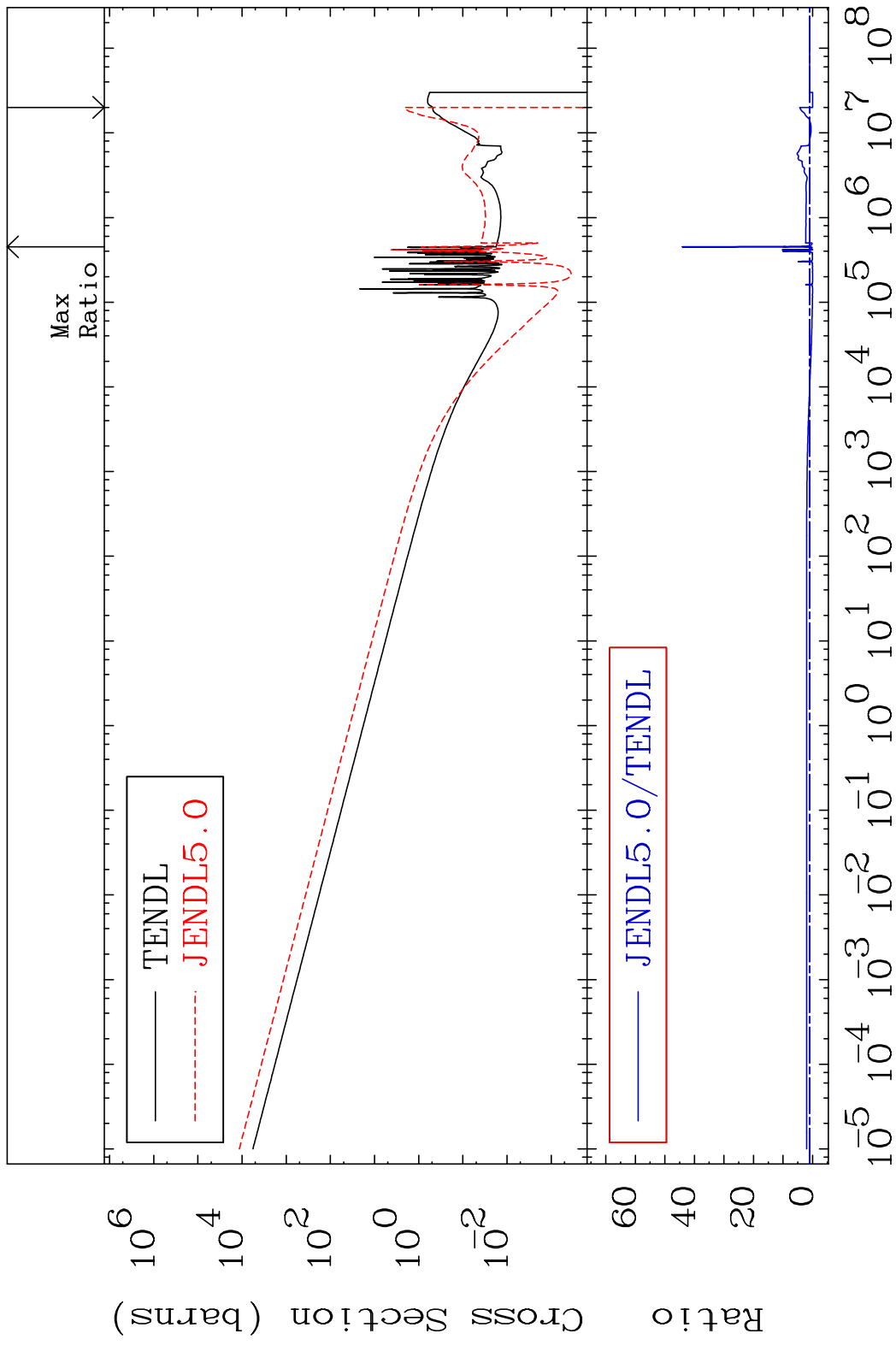
MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -100.0 To 9999. %



MAT 2049 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-48
 Cross Section -100.0 To 9999. %

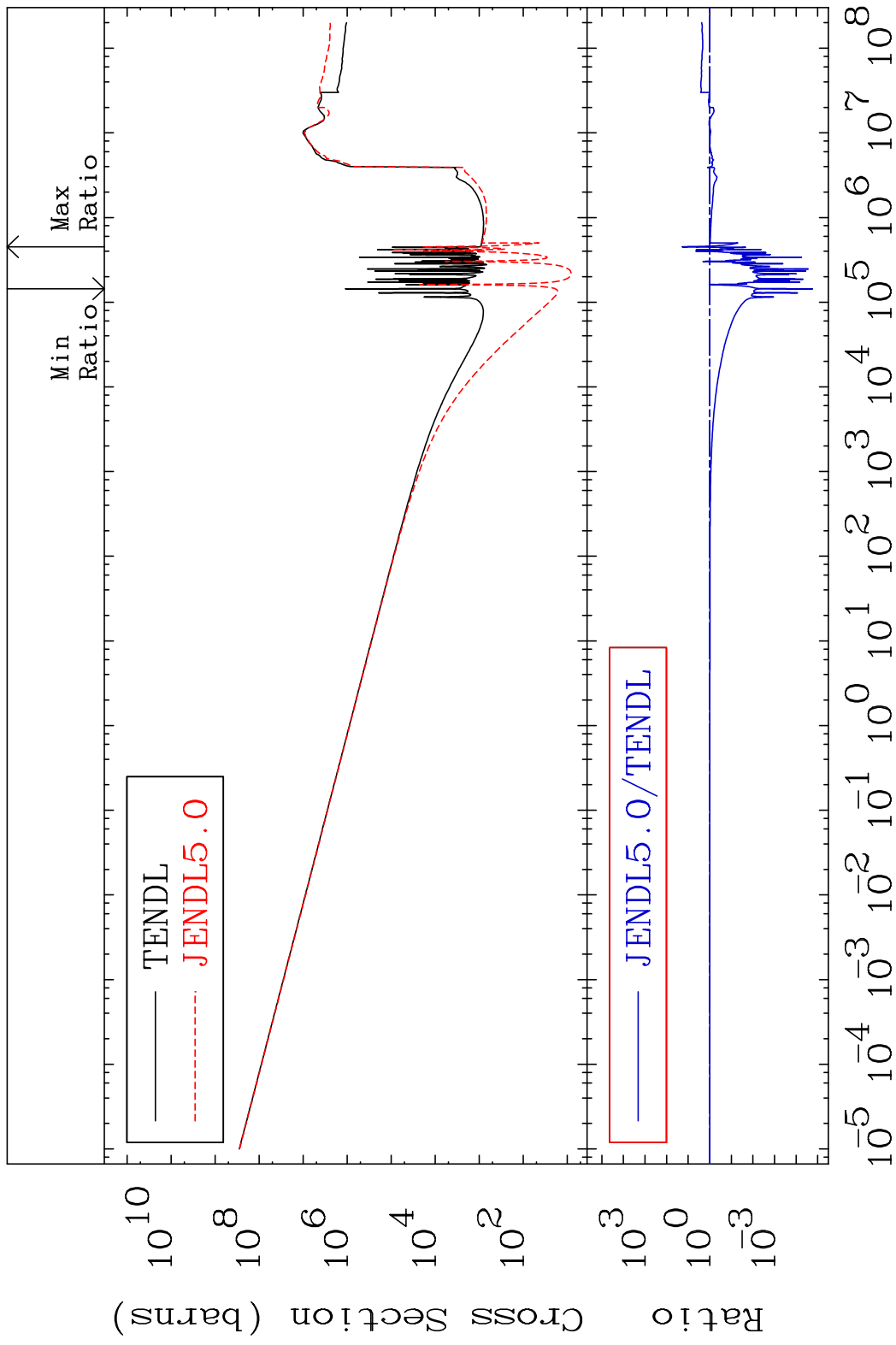


MAT 2049 Kerma capture (mt102) 20-Ca-48
 Cross Section -100.0 To 4308. %



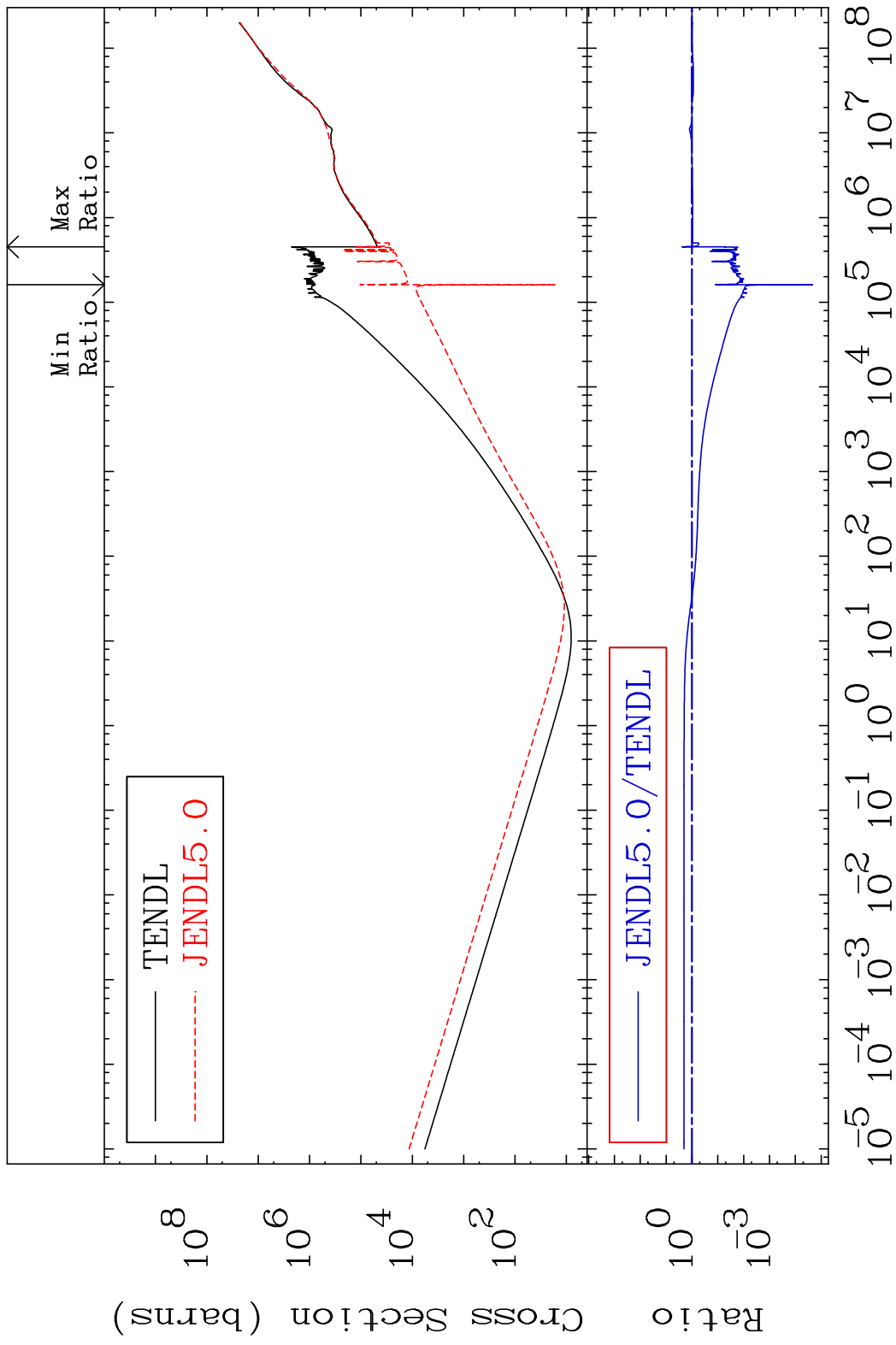
34 Incident Energy (eV) 20-Ca-48

MAT 2049 Total photon (eV-barns) 20-Ca-48
Cross Section -100.0 To 1760. %

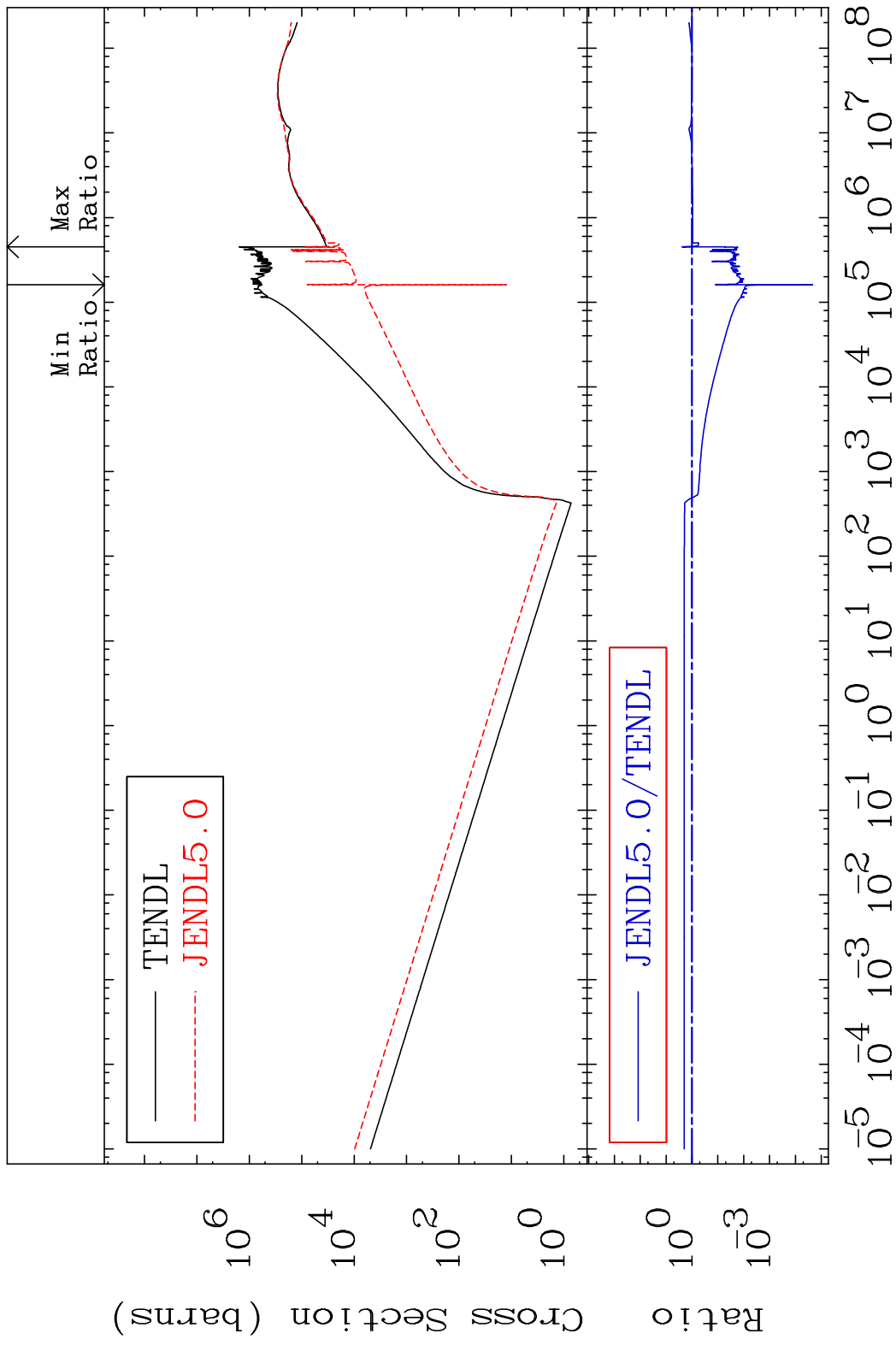


35 Incident Energy (eV) 20-Ca-48

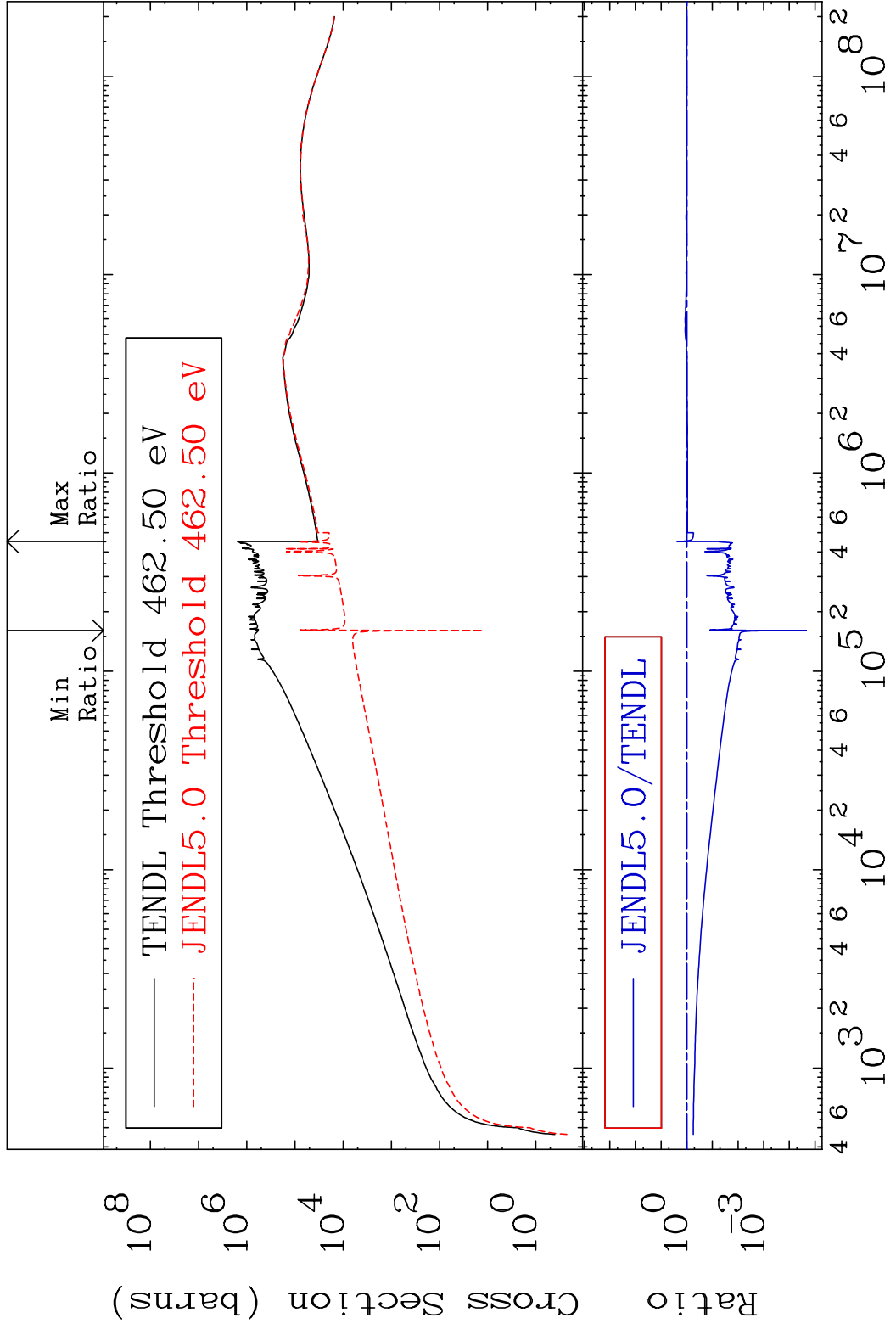
MAT 2049 Total kinematic kerma (high limit) 20-Ca-48
 Cross Section -100.0 To 135.8 %



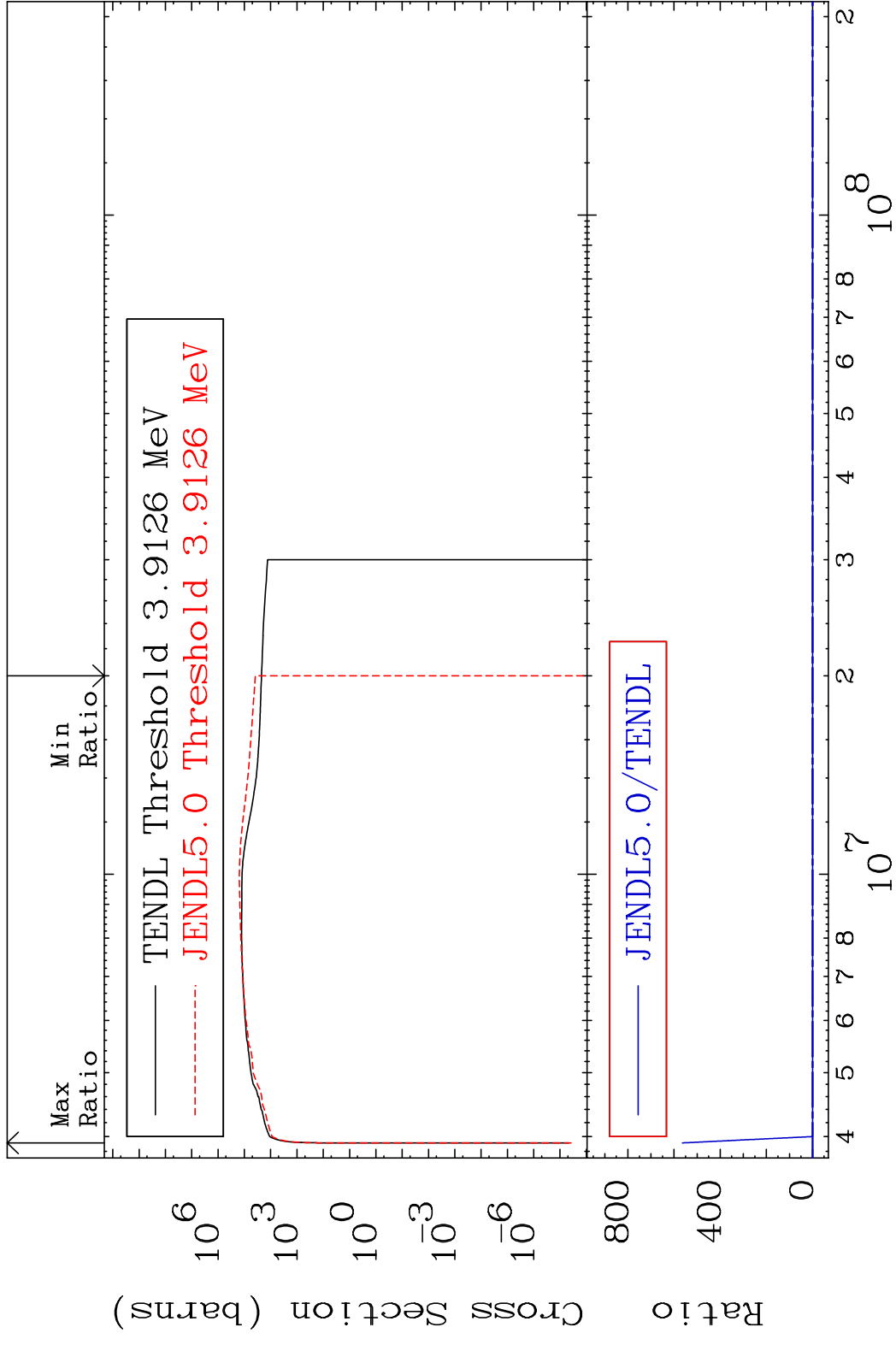
MAT 2049 Dpa total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 135.8 %



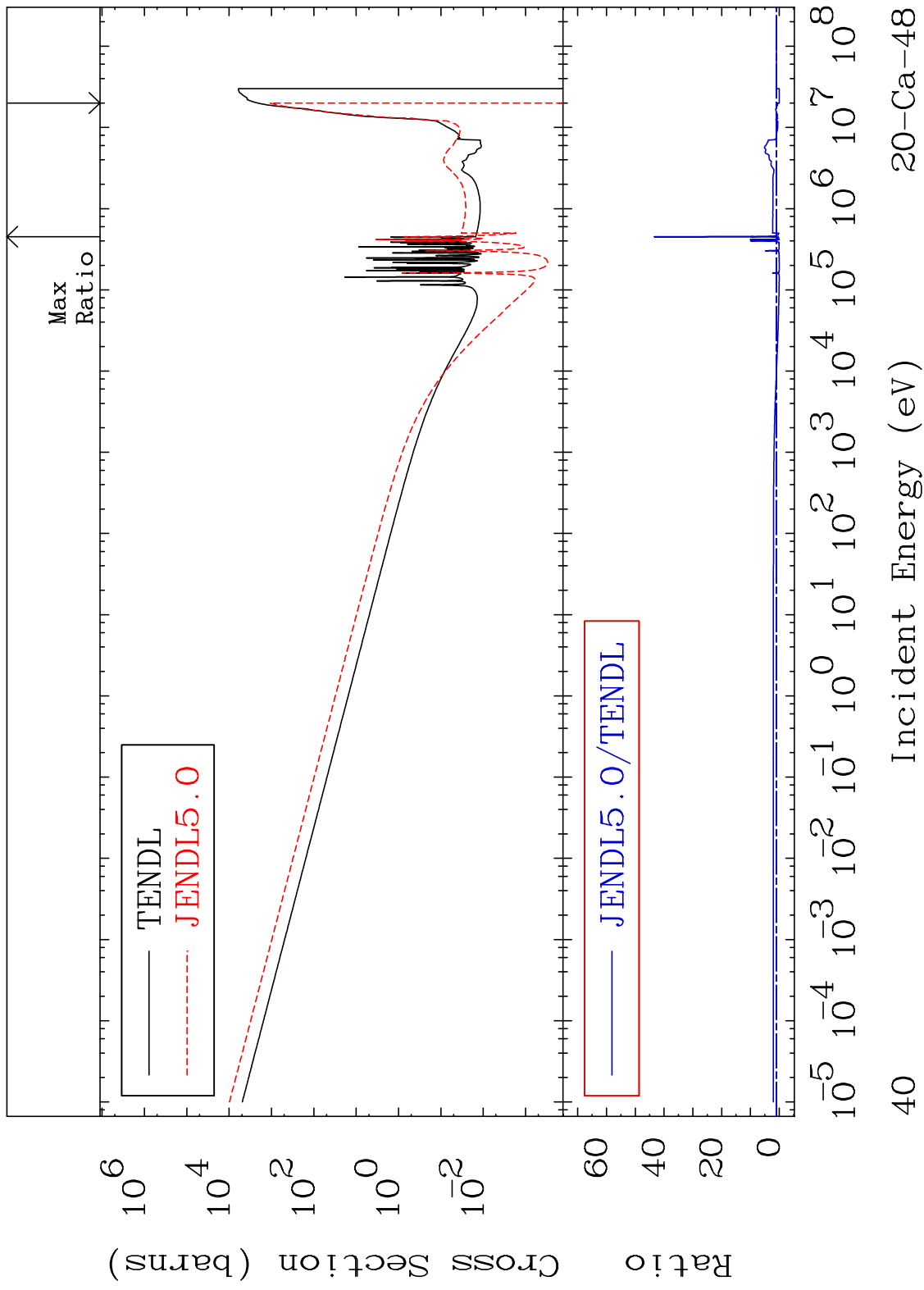
MAT 2049 Dpa elastic (mt2) 20-Ca-48
 Cross Section -100.0 To 135.8 %



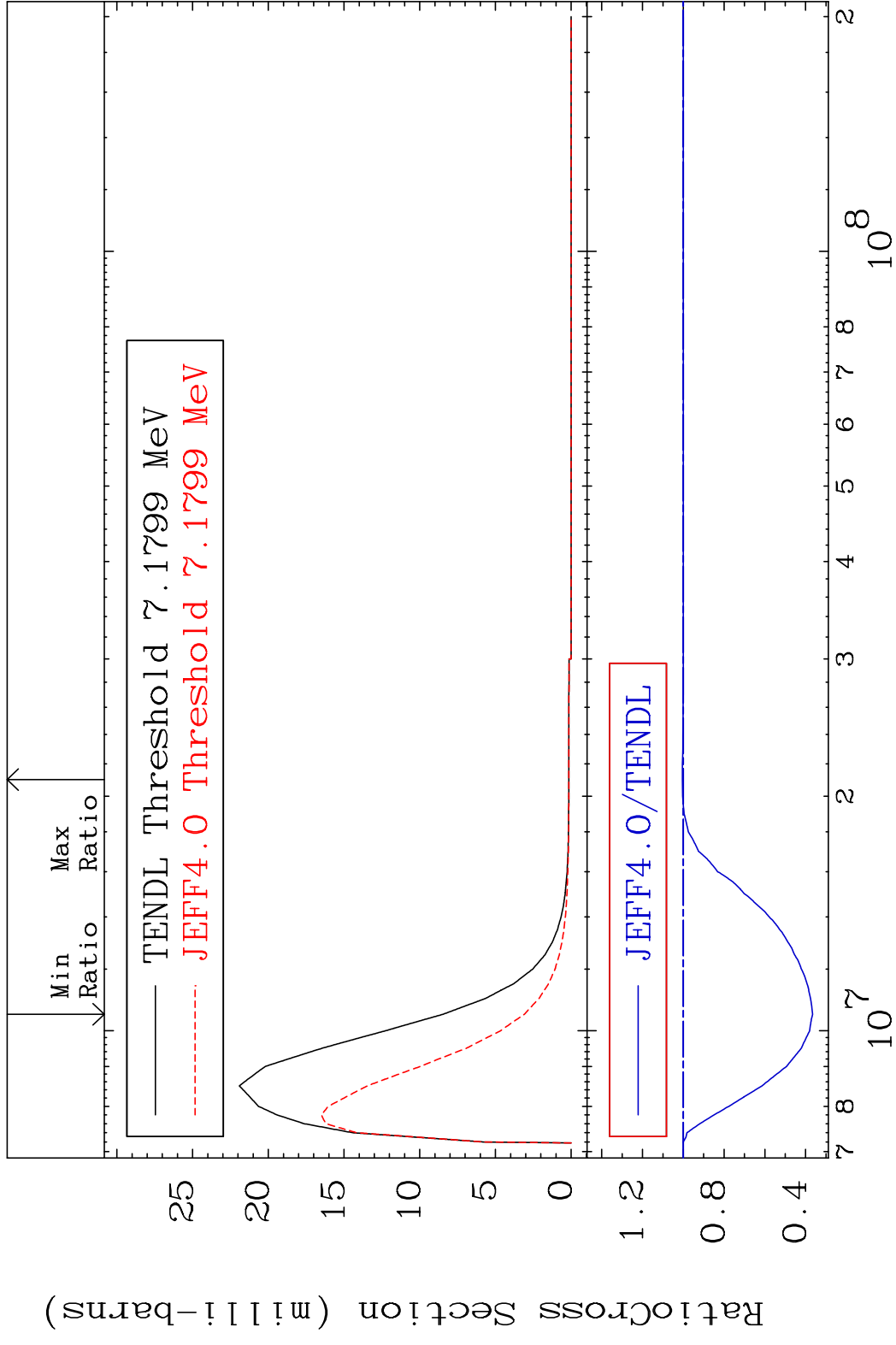
MAT 2049 Dpa inelastic (mt51-91) 20-Ca-48
 Cross Section -100.0 To 9999. %



MAT 2049 Dpa disappearance (mt102 -120) 20-Ca-48
Cross Section -100.0 To 4238. %



MAT 2049 MT= 79 (n,n') Level 20-Ca-48
 Cross Section -63.40 To 0.463 %

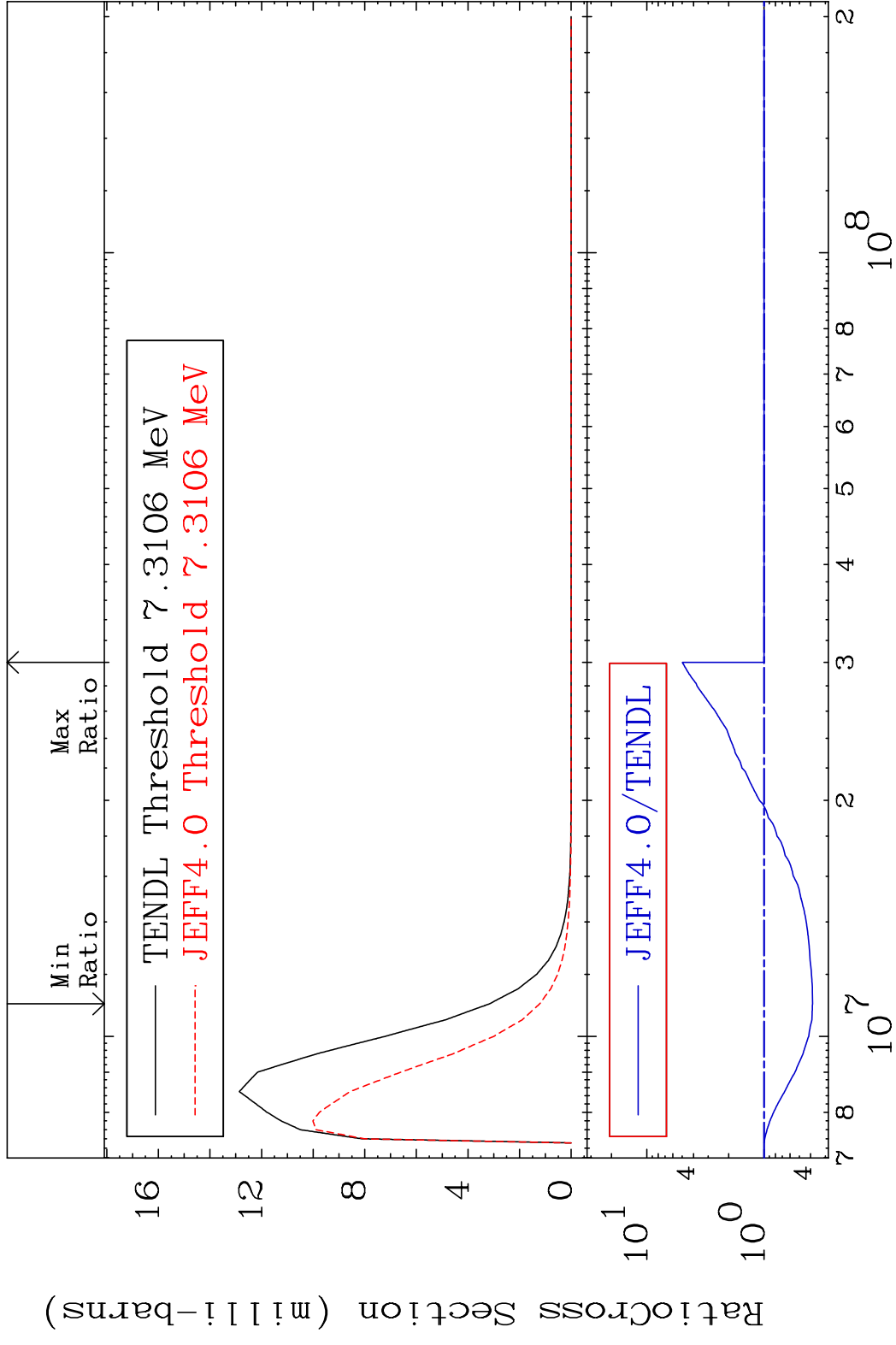


MAT 2049

MT= 80 (n, n') Level

20-Ca-48

Cross Section -61.47 To 397.7 %

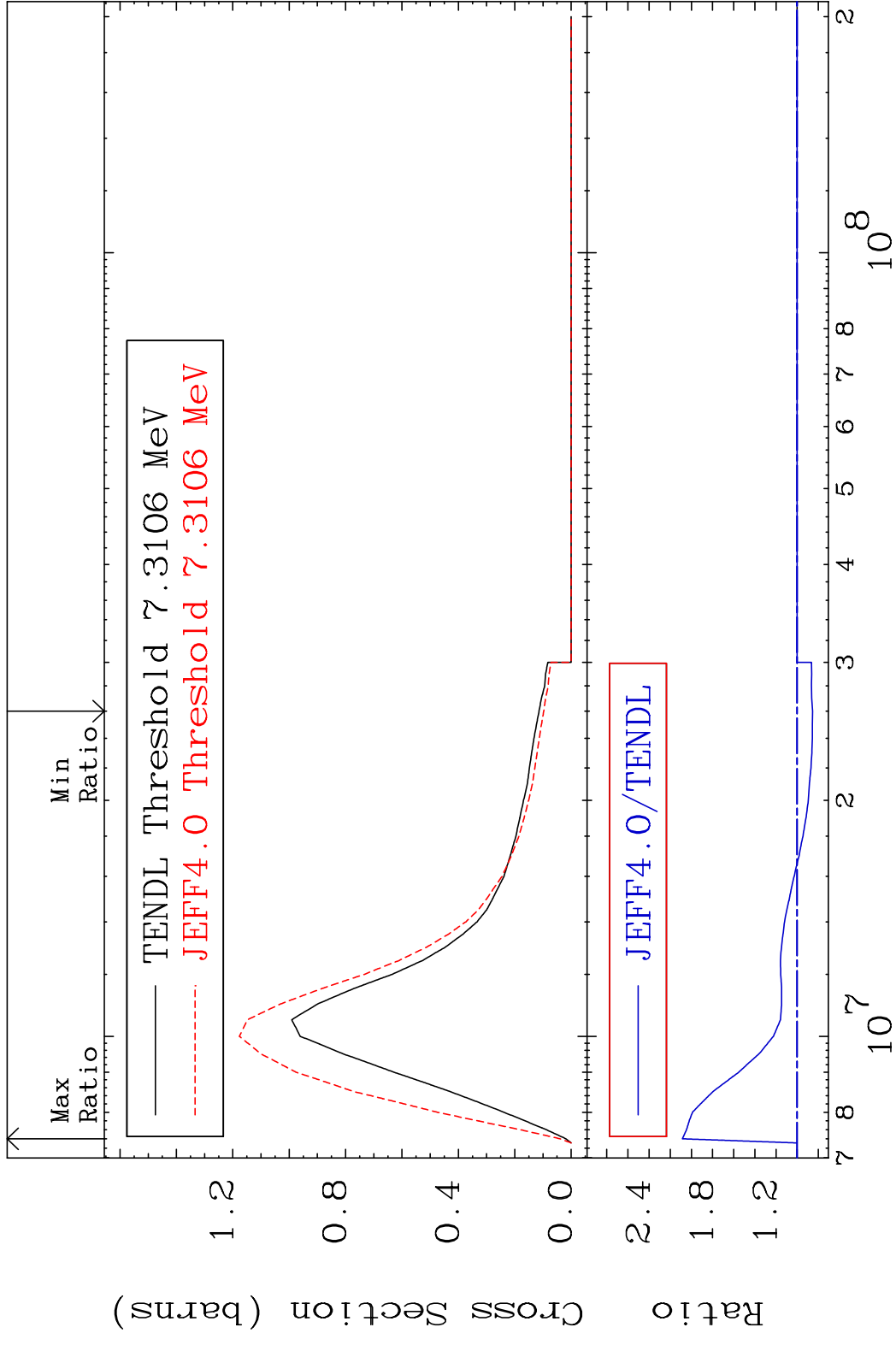


42

Incident Energy (eV)

20-Ca-48

MAT 2049 (n,n') Continuum 20-Ca-48
 Cross Section -14.53 To 108.6 %



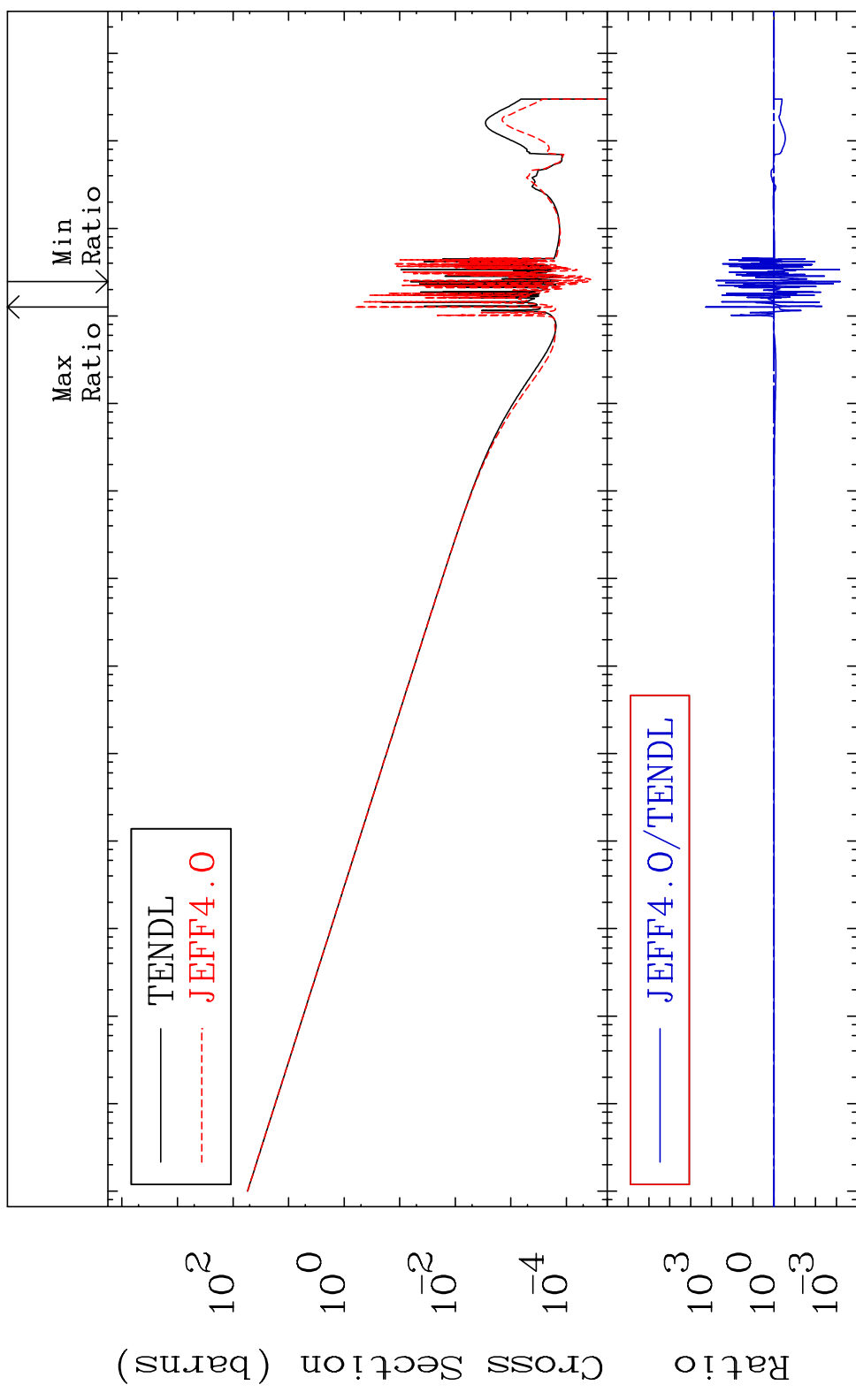
43 20-Ca-48

MAT 2049

(n, γ)

20-Ca-48

Cross Section -99.94 To 9999. %

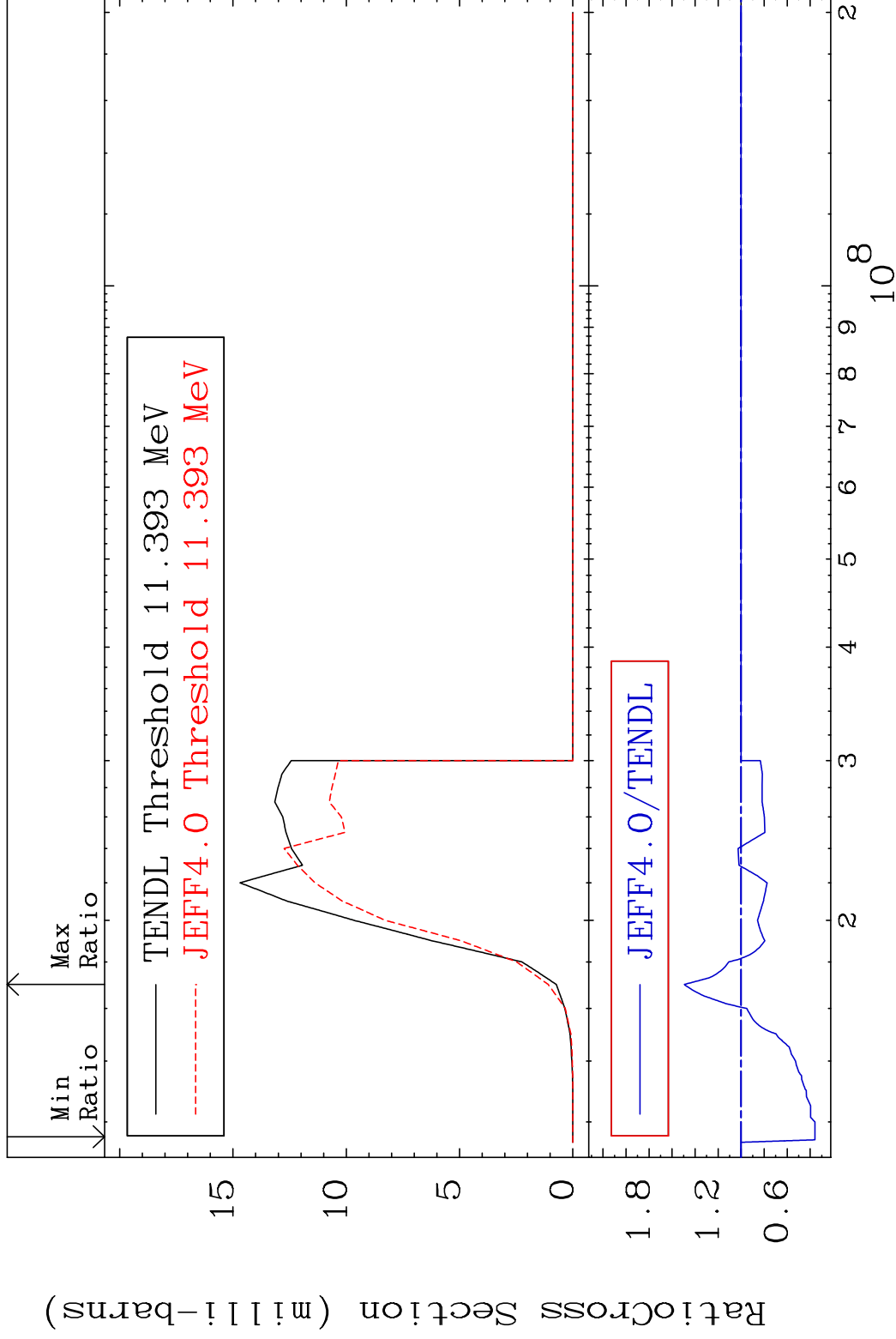


MAT 2049

(n, p)

20-Ca-48

Cross Section -64.07 To 49.37 %



45

Incident Energy (eV)

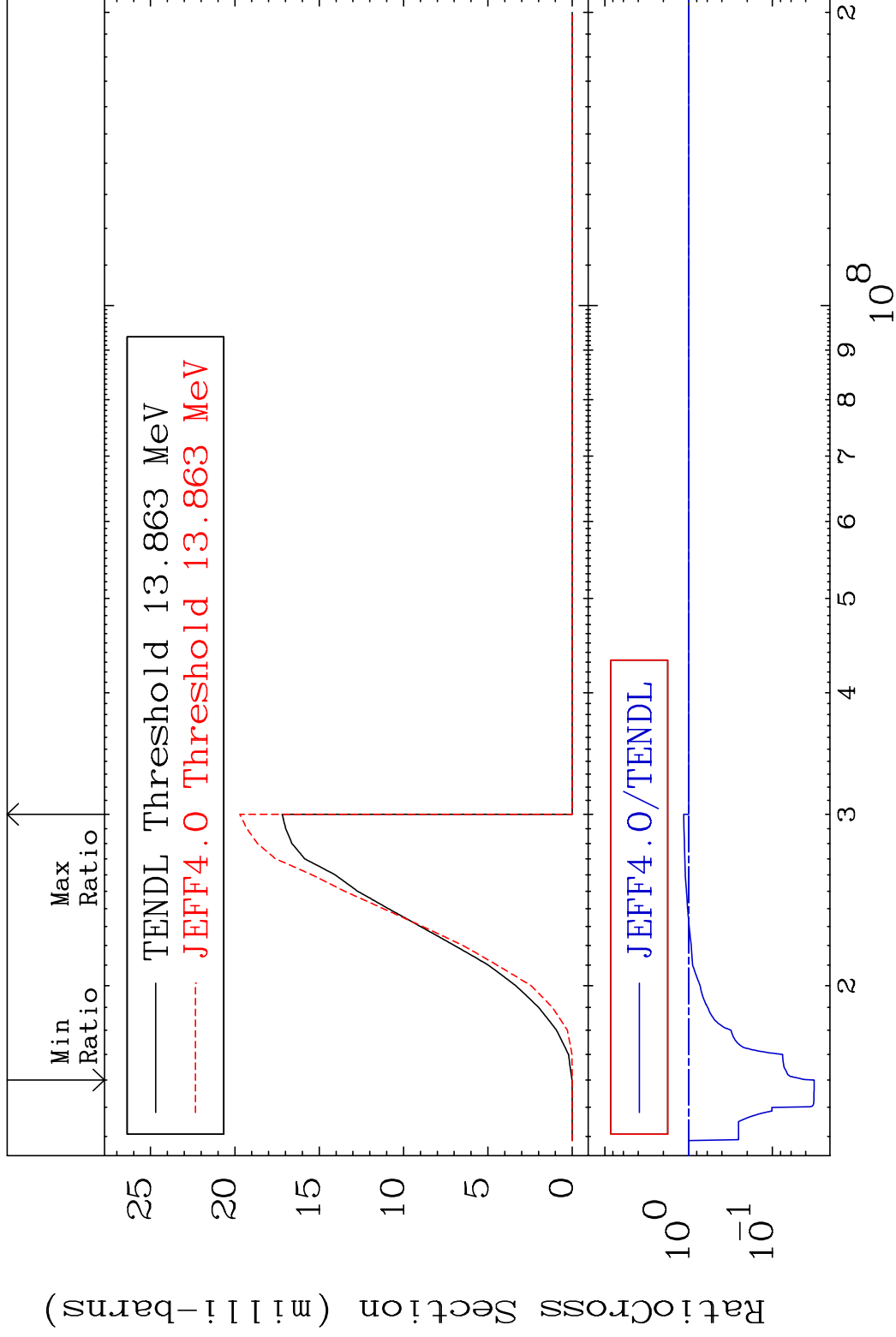
20-Ca-48

MAT 2049

(n, d)

20-Ca-48

Cross Section -96.82 To 14.60 %



46

Incident Energy (eV)

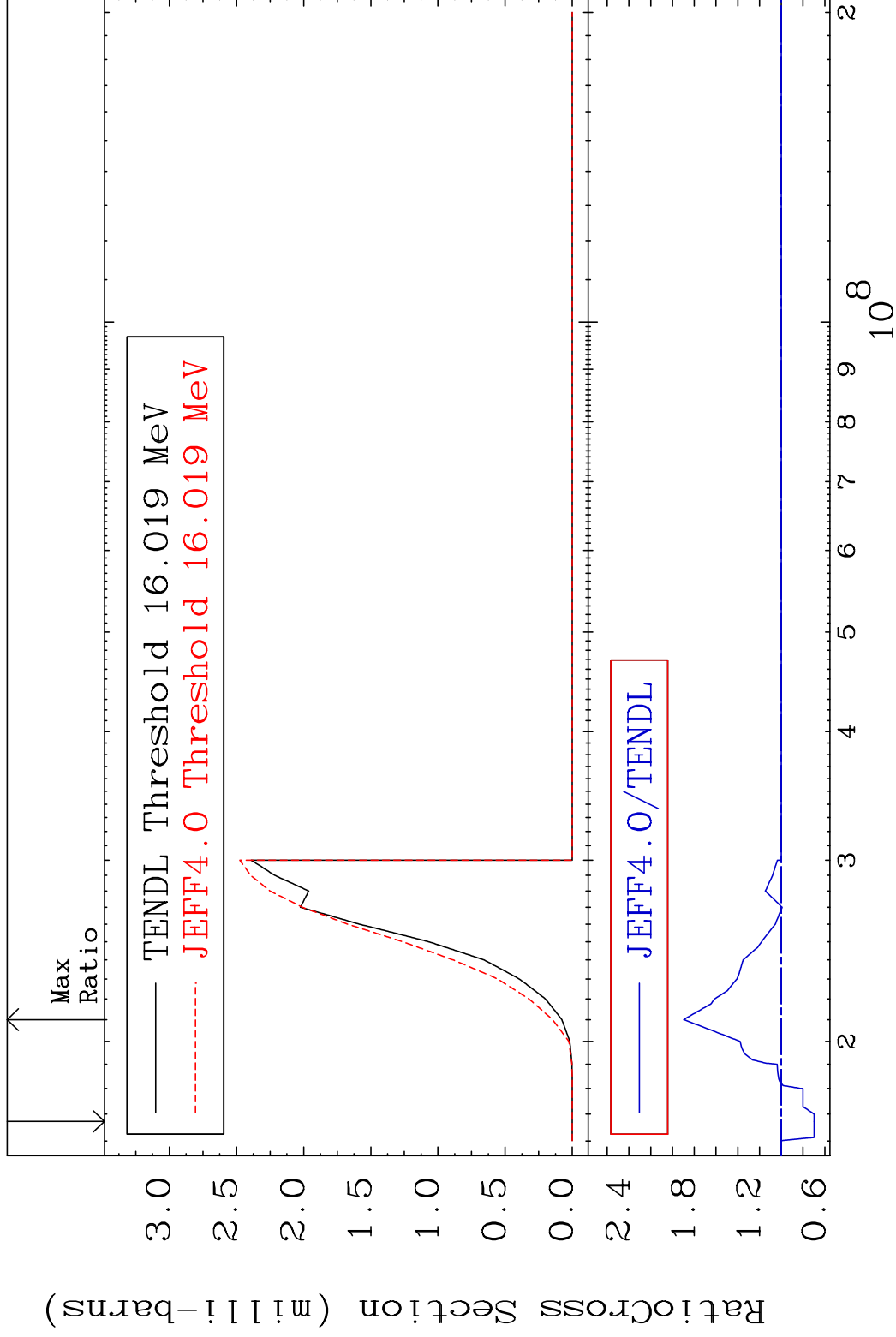
20-Ca-48

MAT 2049

(n, t)

20-Ca-48

Cross Section -30.17 To 89.71 %



47

Incident Energy (eV)

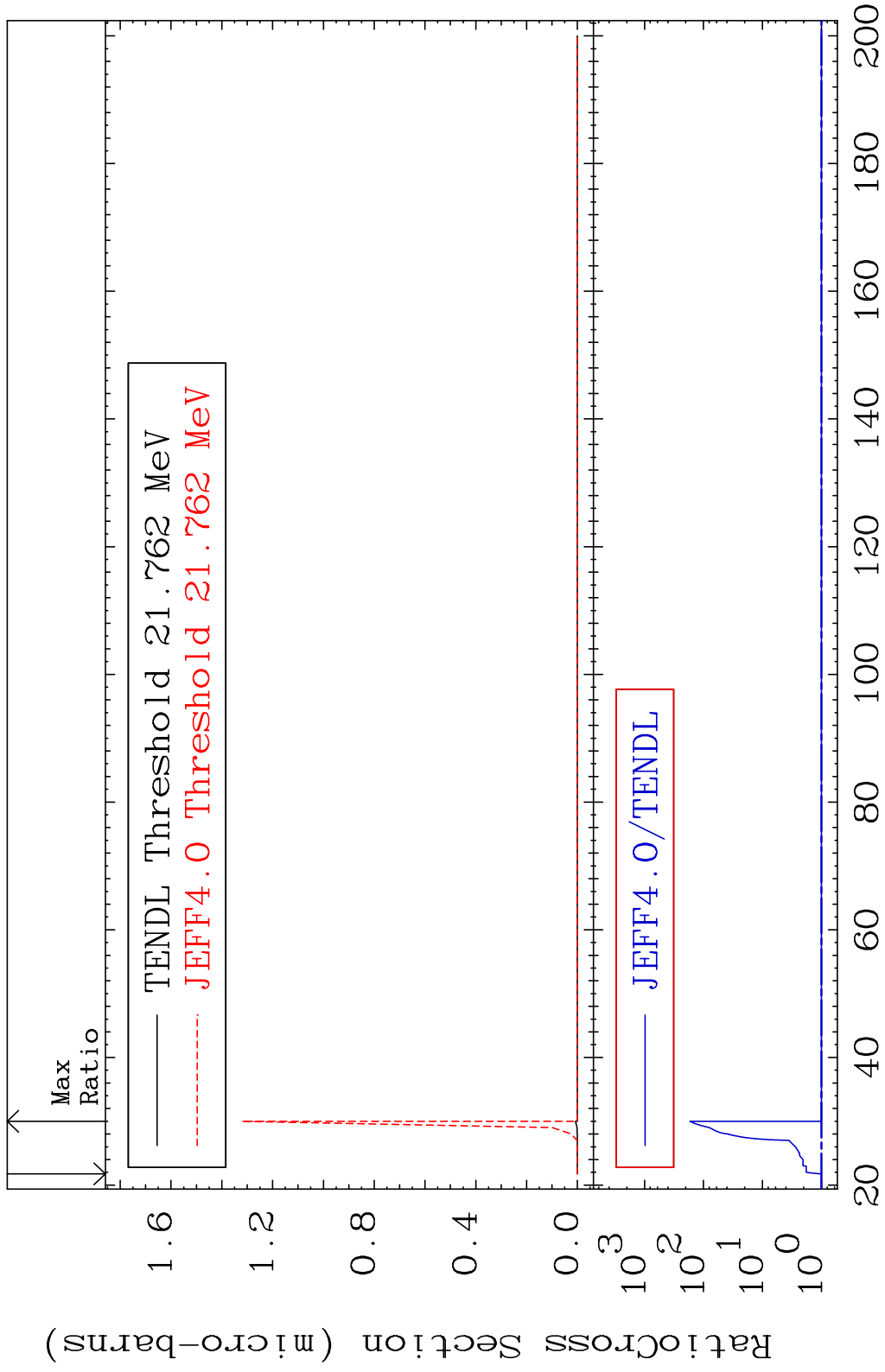
20-Ca-48

MAT 2049

(n, He-3)

20-Ca-48

Cross Section 0.000 To 9999. %



48

Incident Energy (MeV)

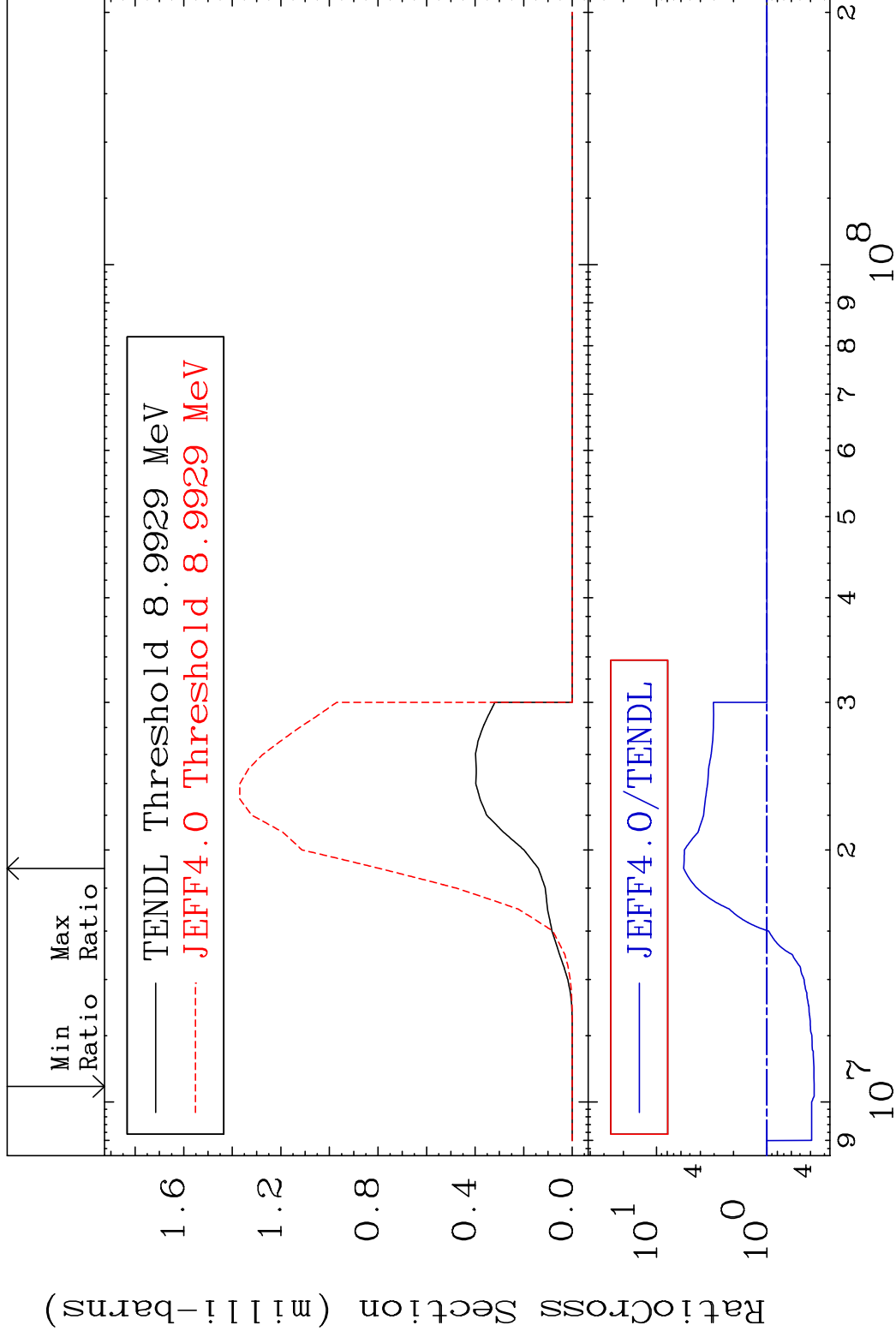
20-Ca-48

MAT 2049

(n, α)

20-Ca-48

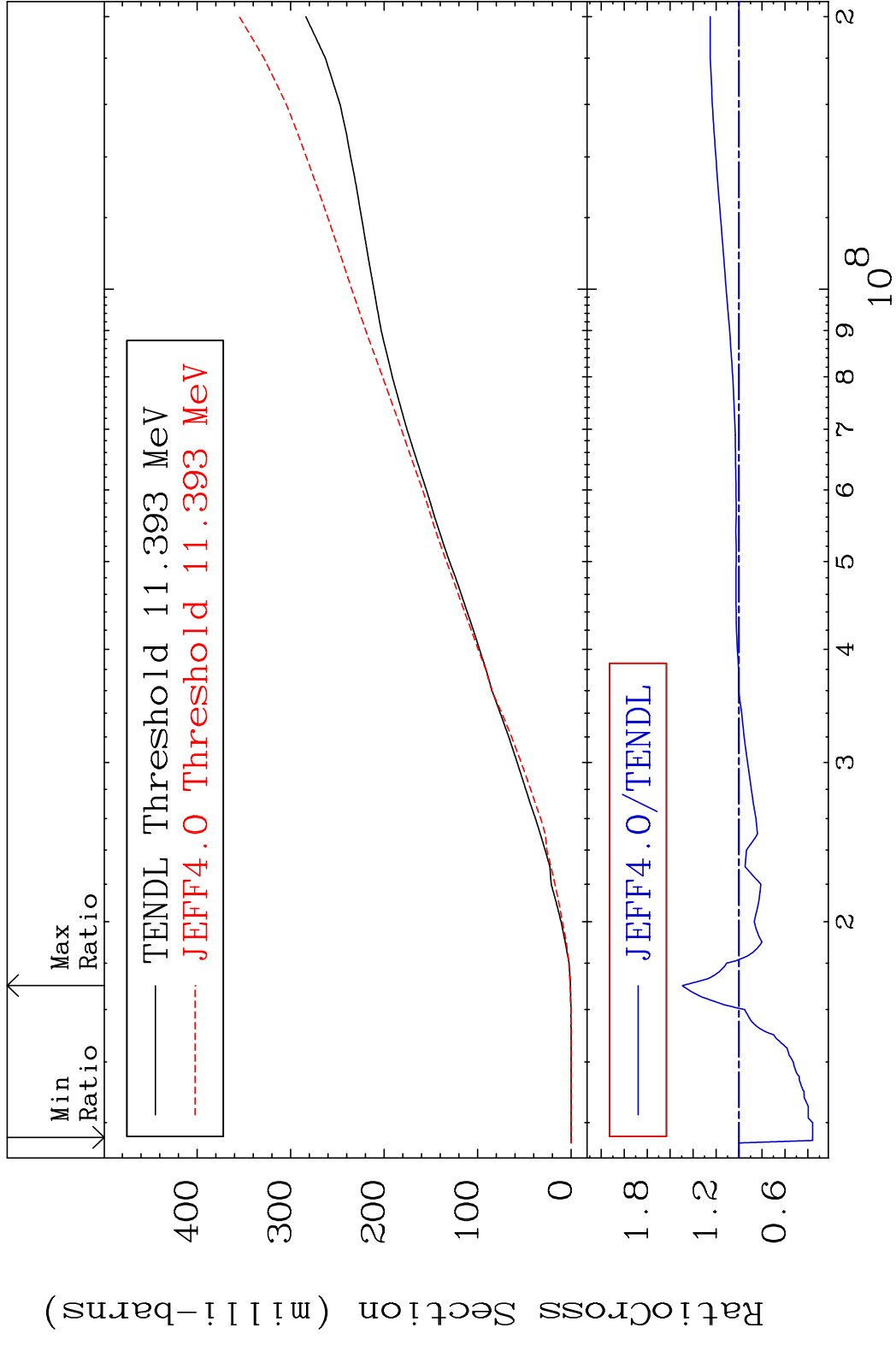
Cross Section -62.82 To 467.9 %



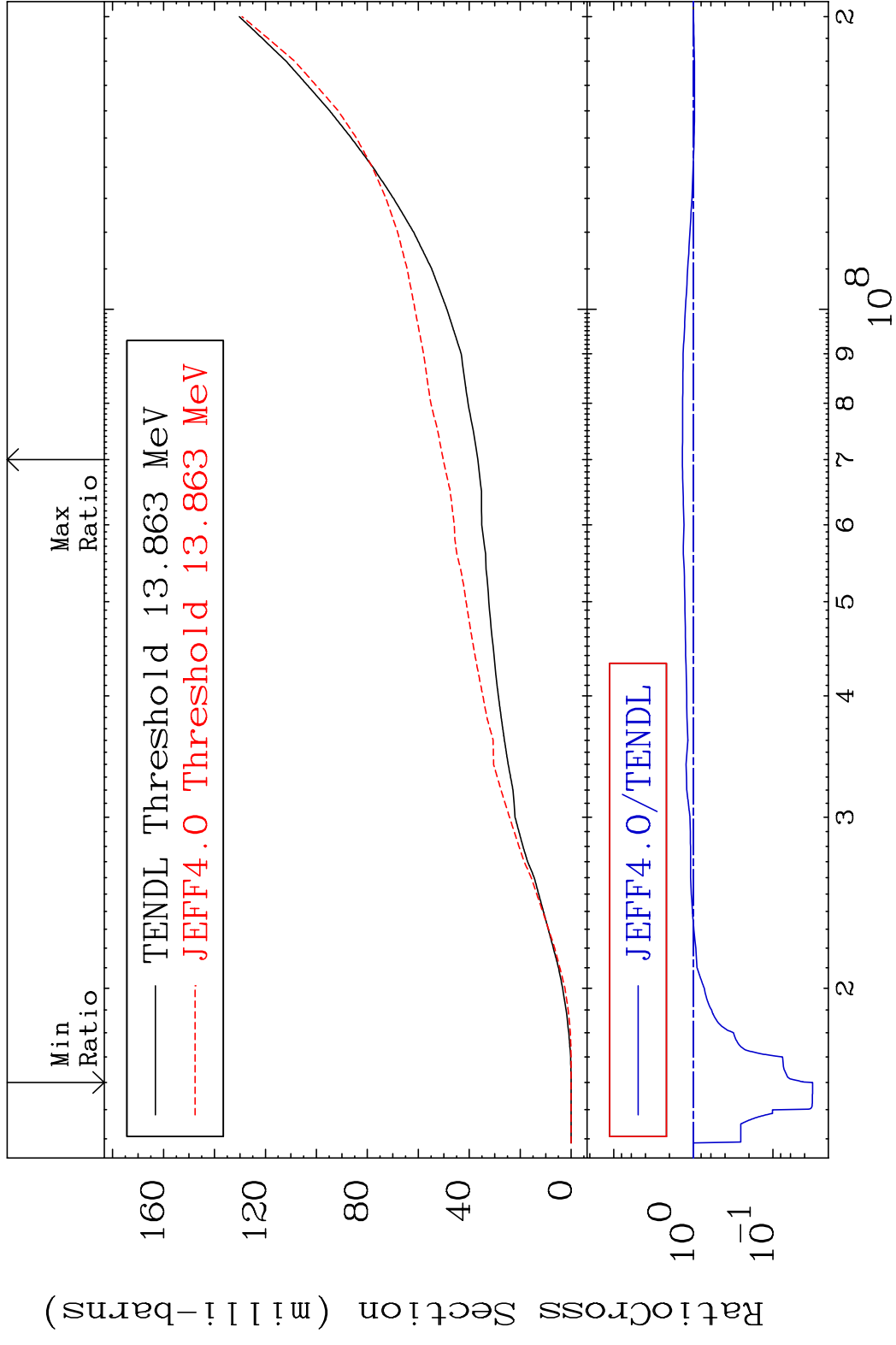
49

Incident Energy (eV)

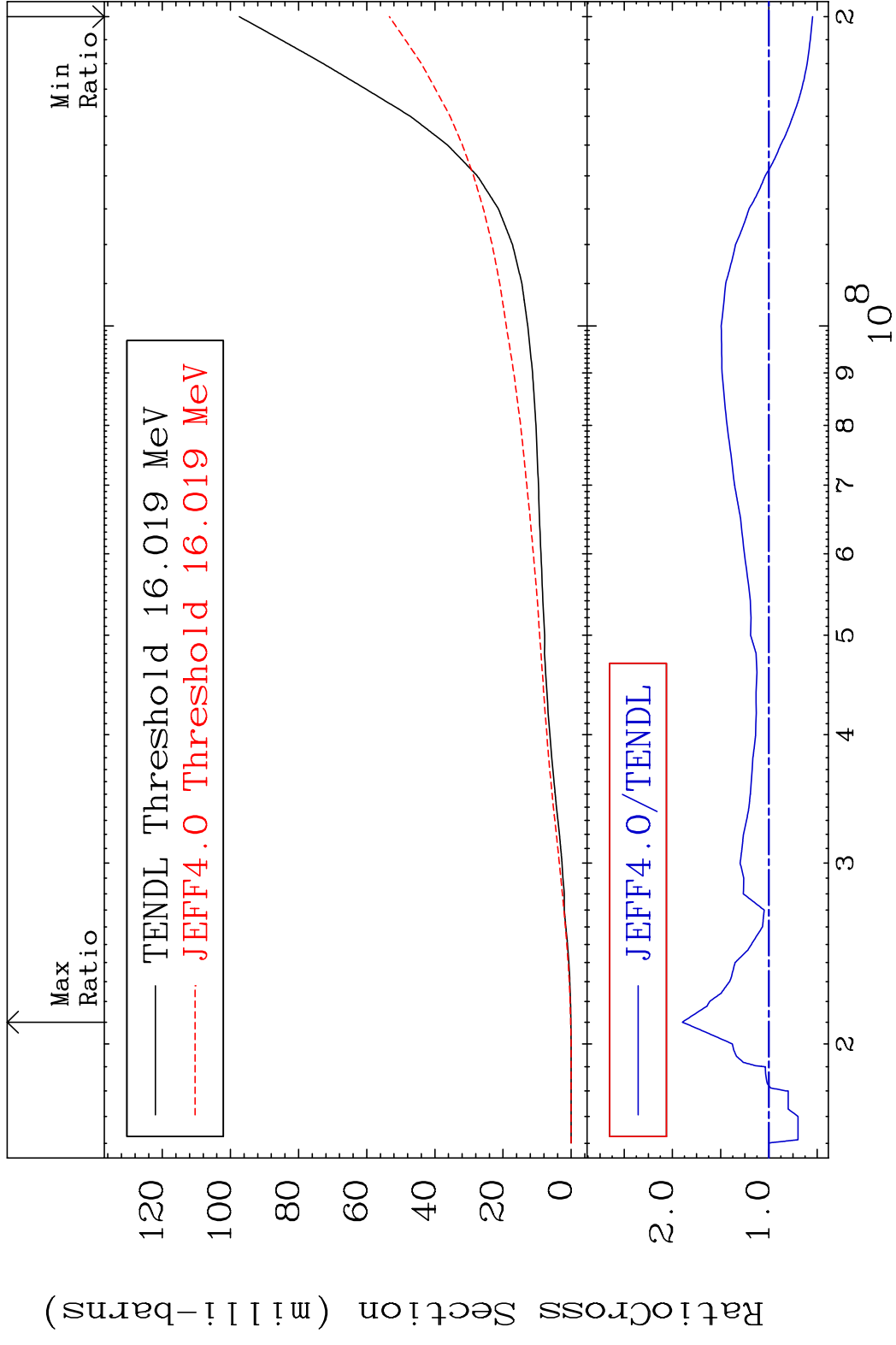
20-Ca-48



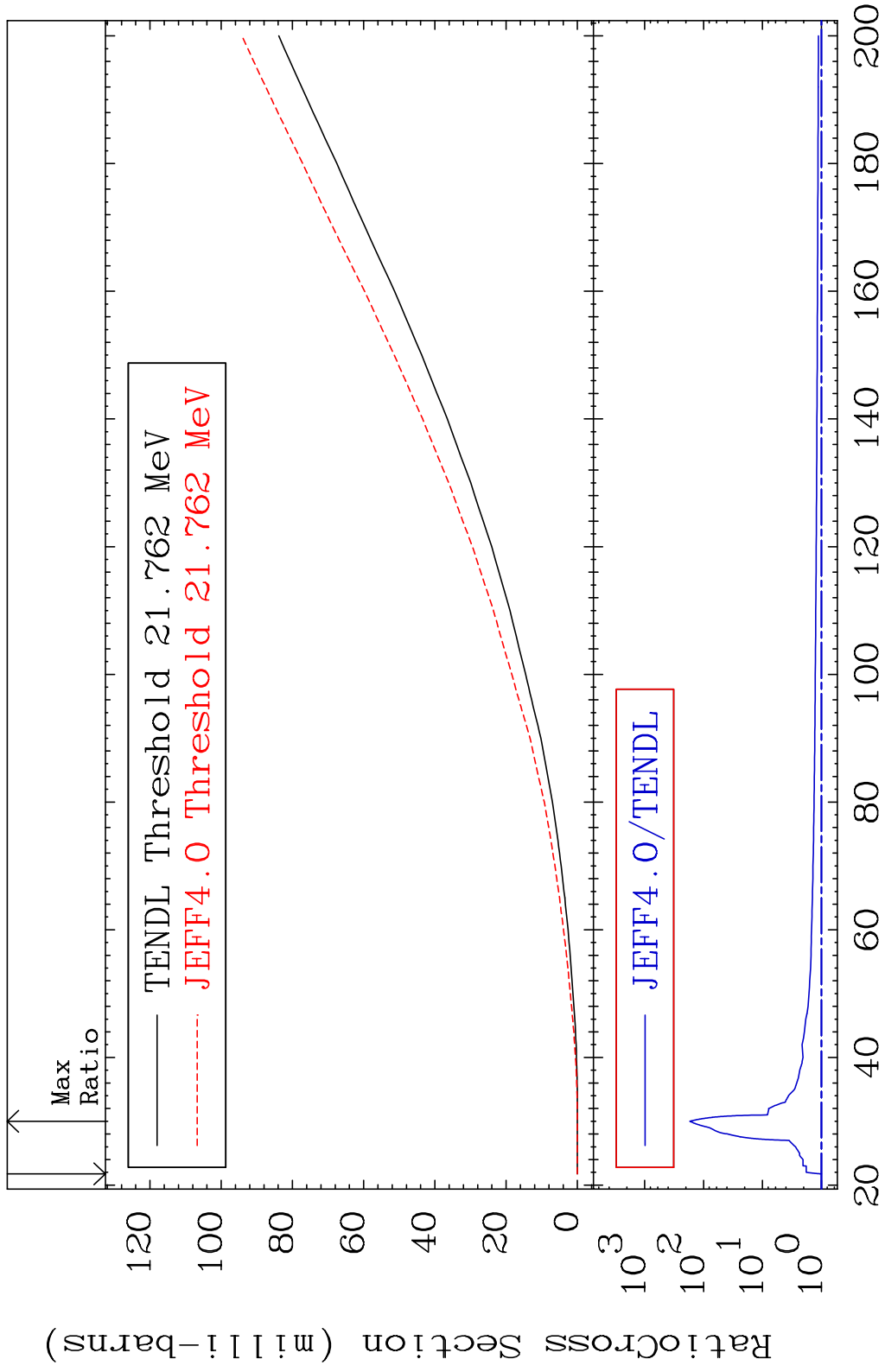
Cross Section -96.82 To 37.25 %



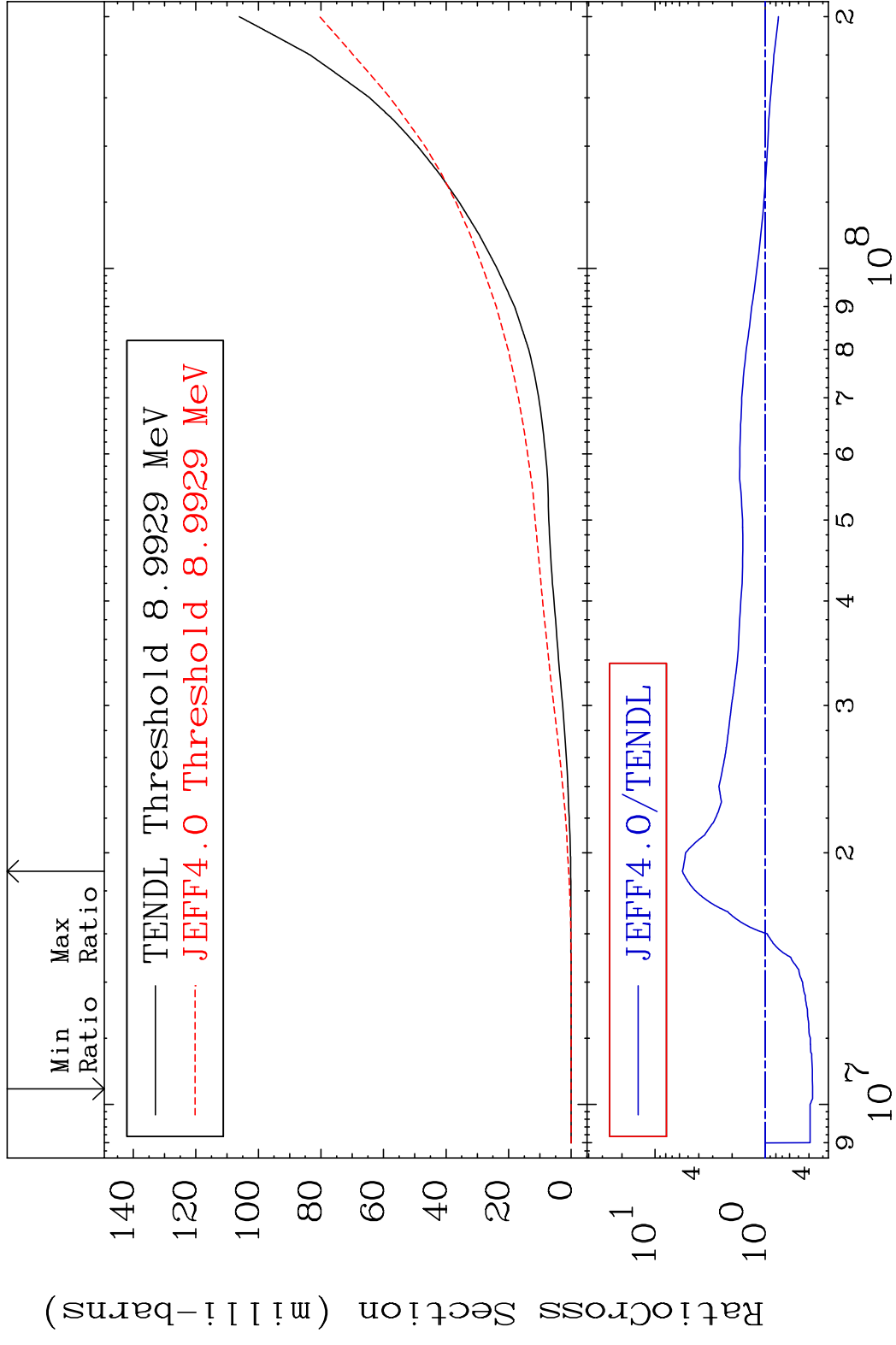
MAT 2049 Tritium Production 20-Ca-48
 Cross Section -45.21 To 89.71 %



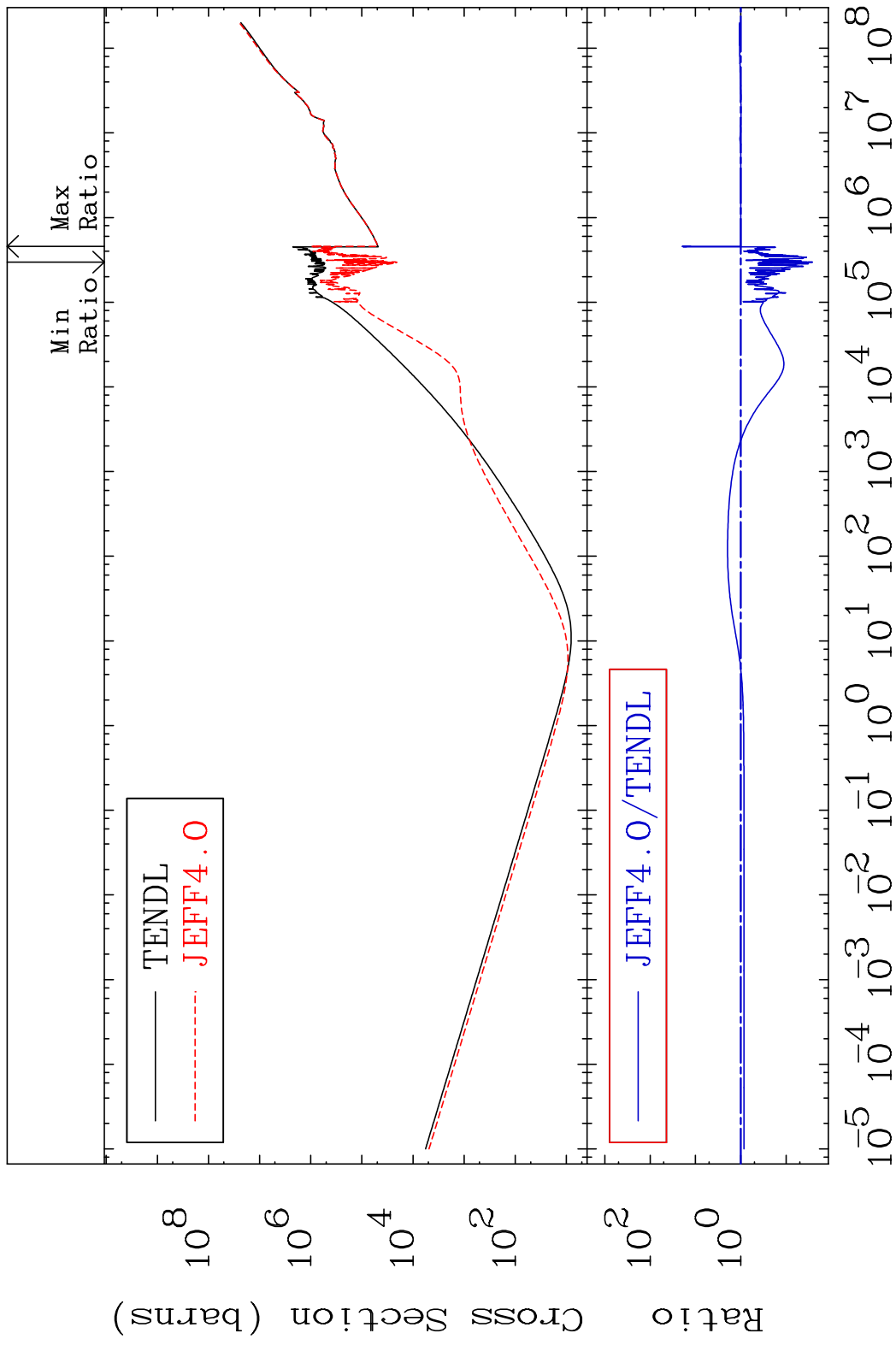
MAT 2049 He-3 Production 20-Ca-48
 Cross Section 0.000 To 9999. %



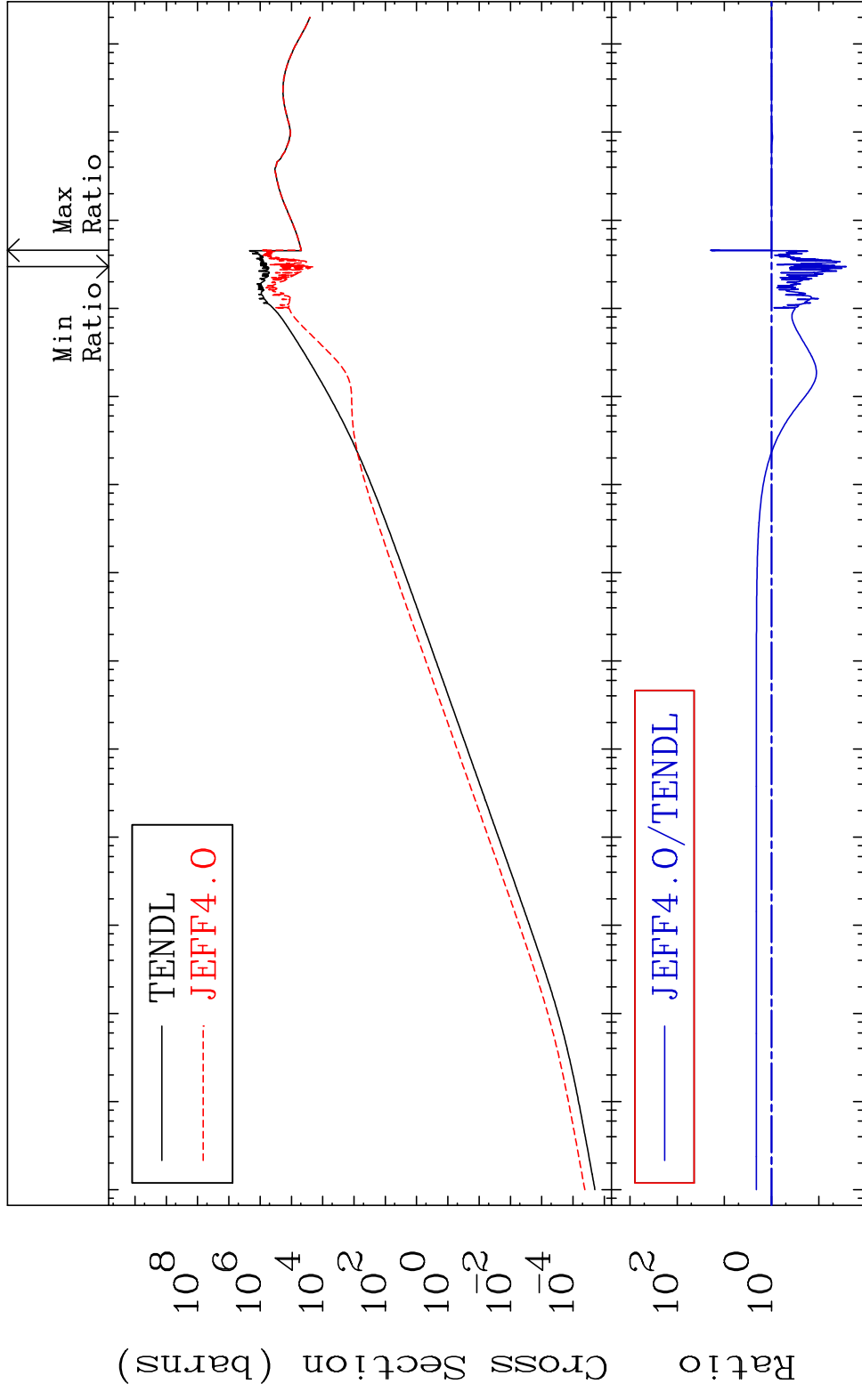
Cross Section -62.82 To 464.9 %



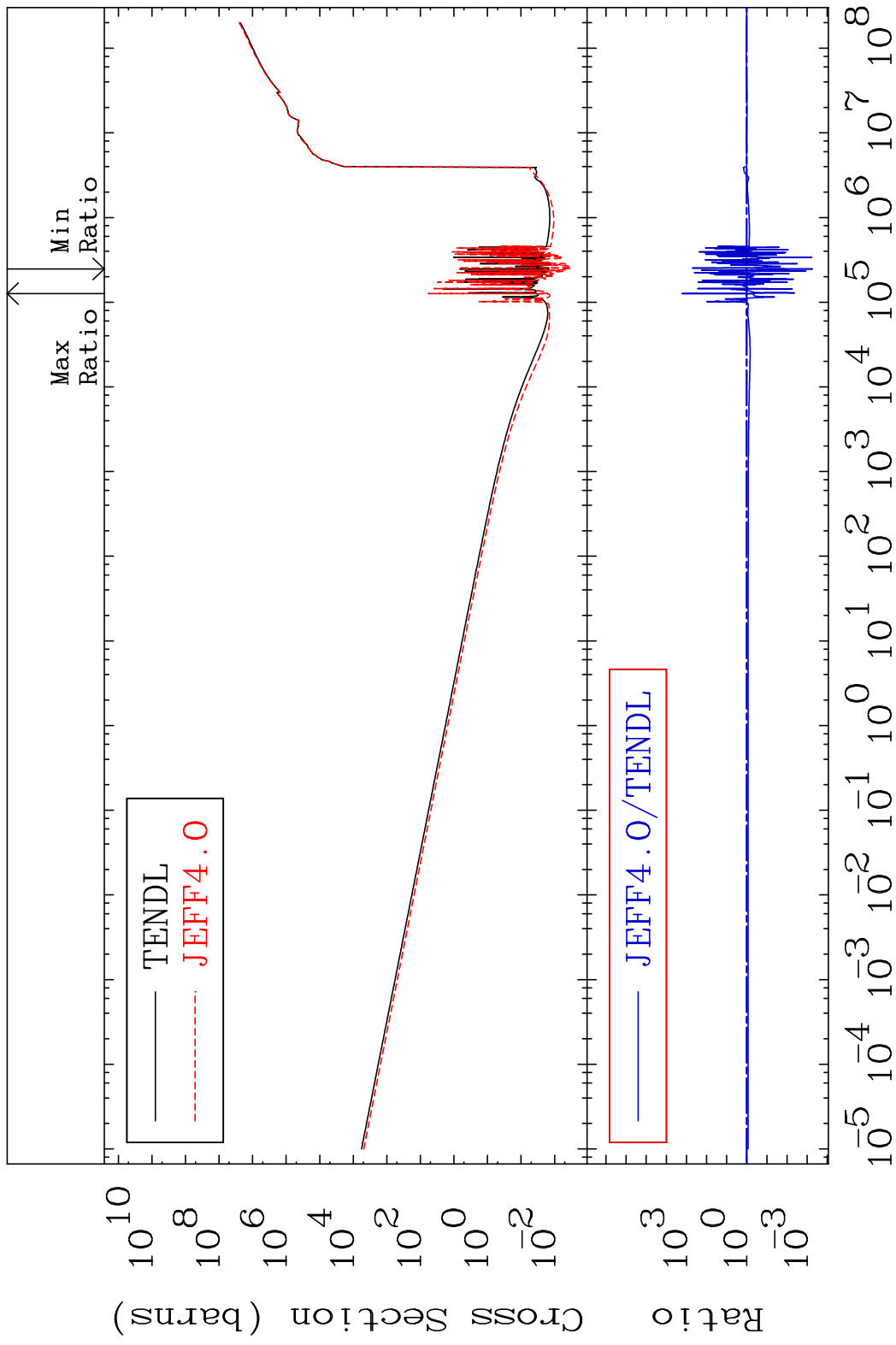
MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -97.38 To 1849. %



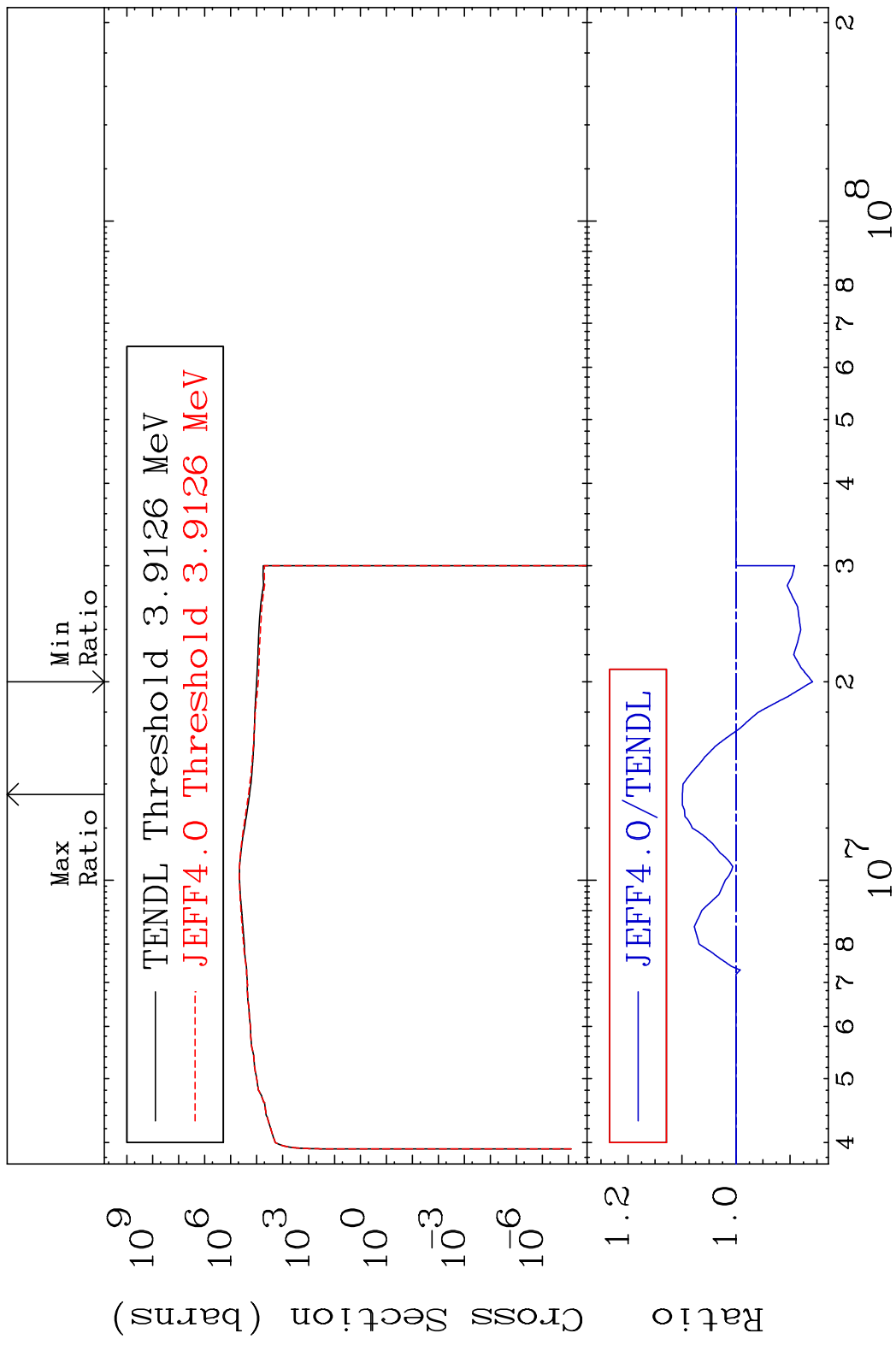
MAT 2049 Kerma elastic 20-Ca-48
 Cross Section -97.38 To 1849. %



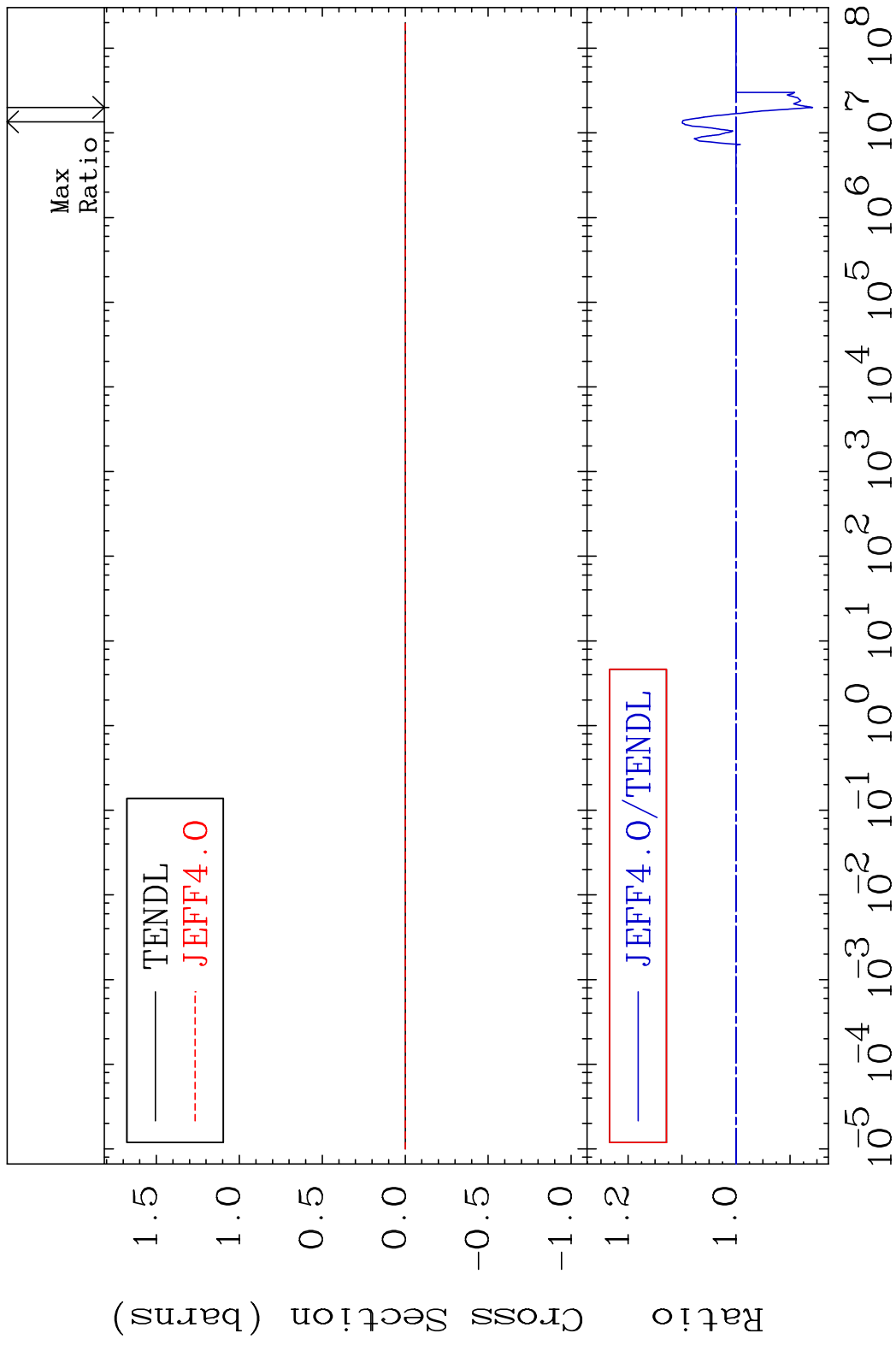
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -99.95 To 9999. %



MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -14.20 To 9.937 %

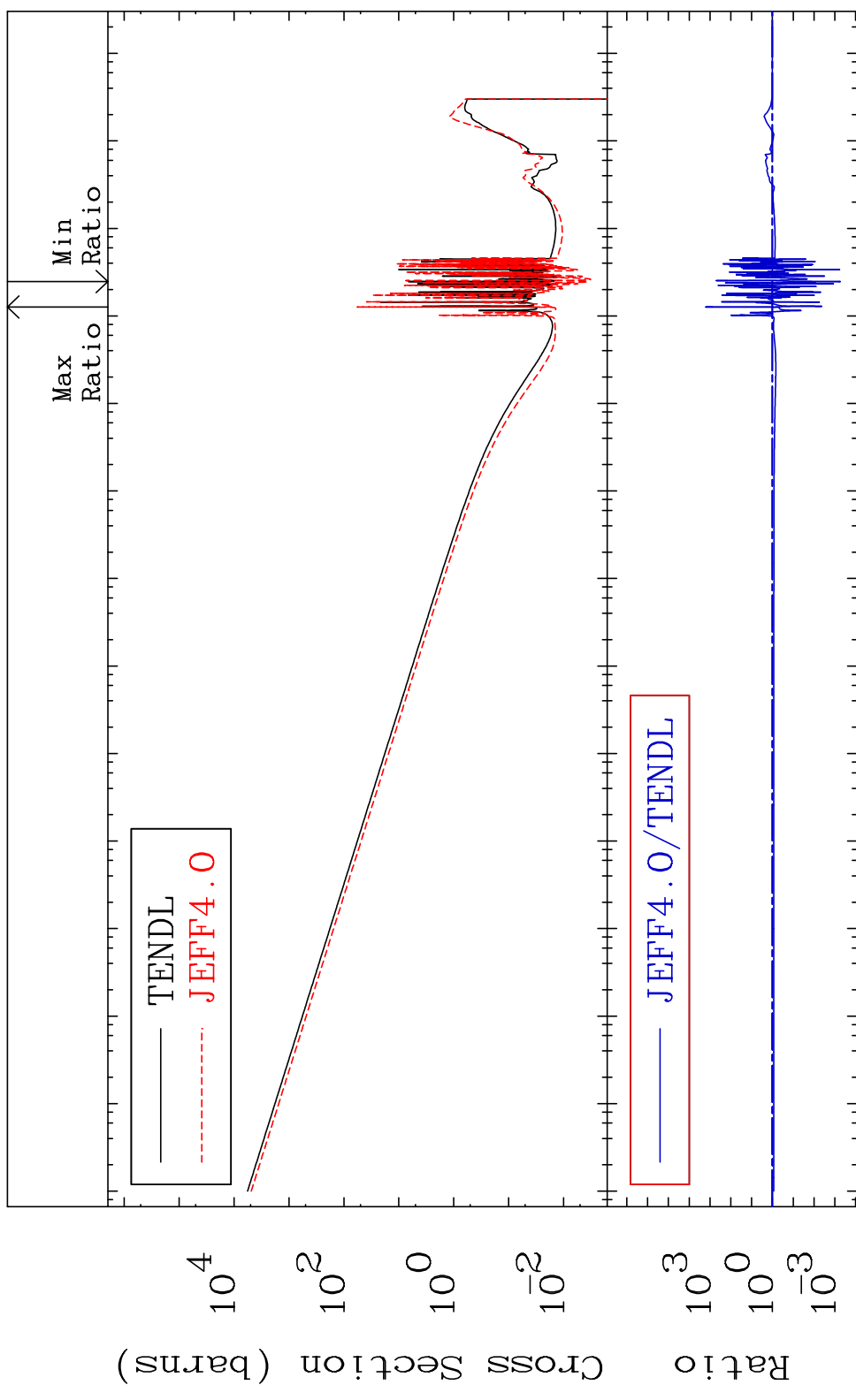


MAT 2049 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-48
 Cross Section -14.20 To 9.937 %



MAT 2049

Kerma capture (mt102) 20-Ca-48
Cross Section -99.95 To 9999. %

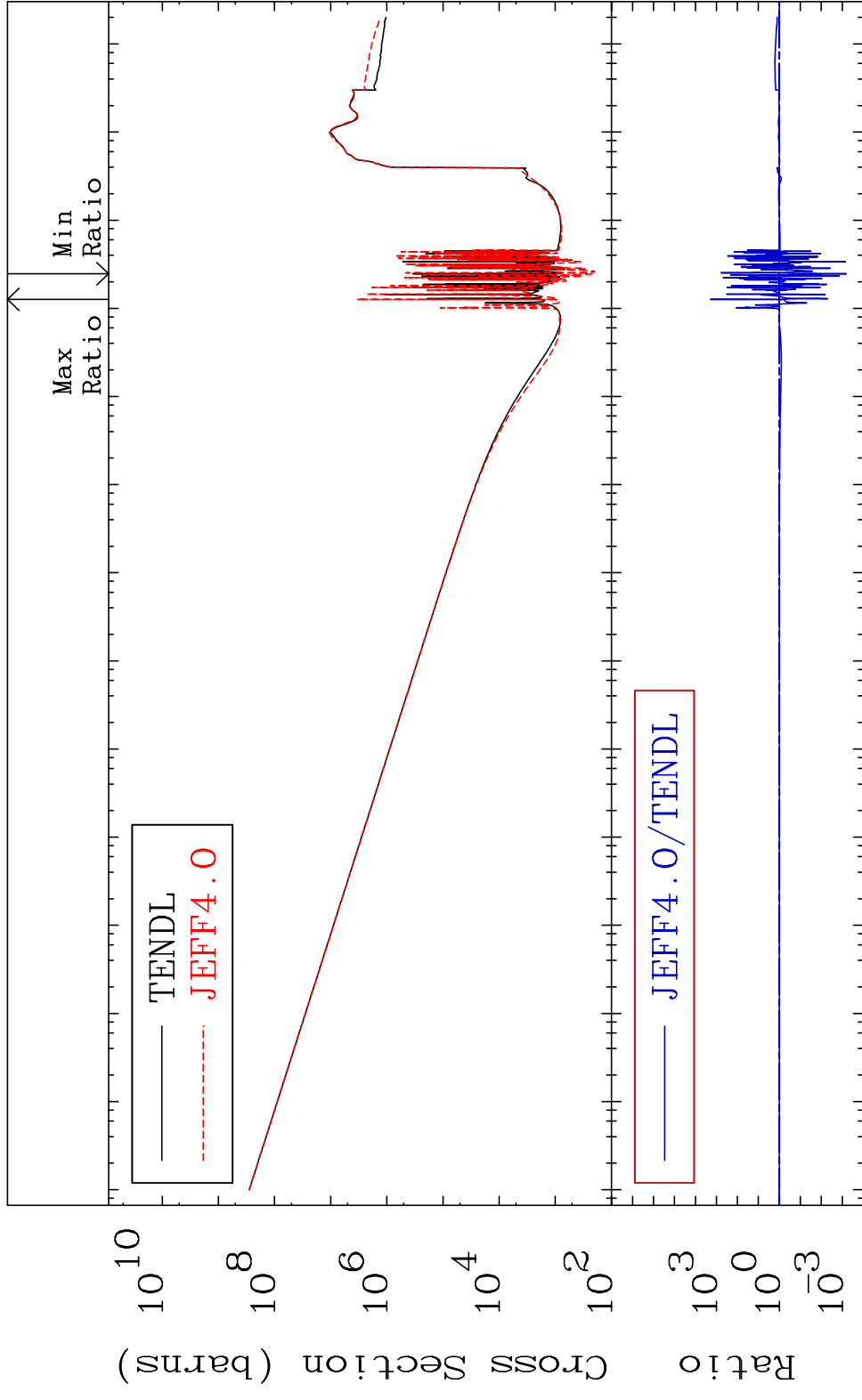


60

Incident Energy (eV) 20-Ca-48

MAT 2049

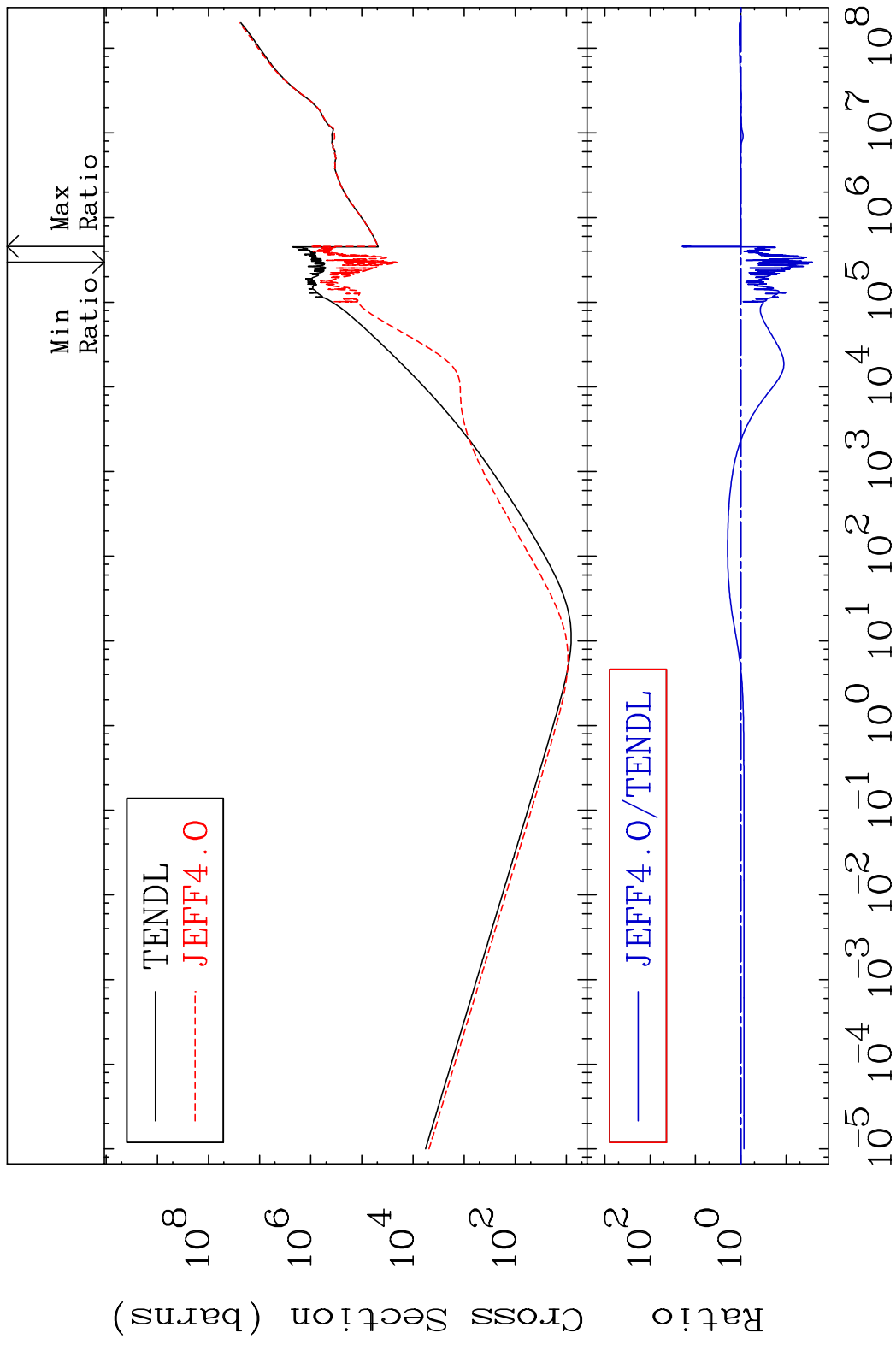
Total photon (eV-barns) 20-Ca-48
Cross Section -99.94 To 9999. %



61

Incident Energy (eV) 20-Ca-48

MAT 2049 Total kinematic kerma (high limit) 20-Ca-48
 Cross Section -97.38 To 1849. %



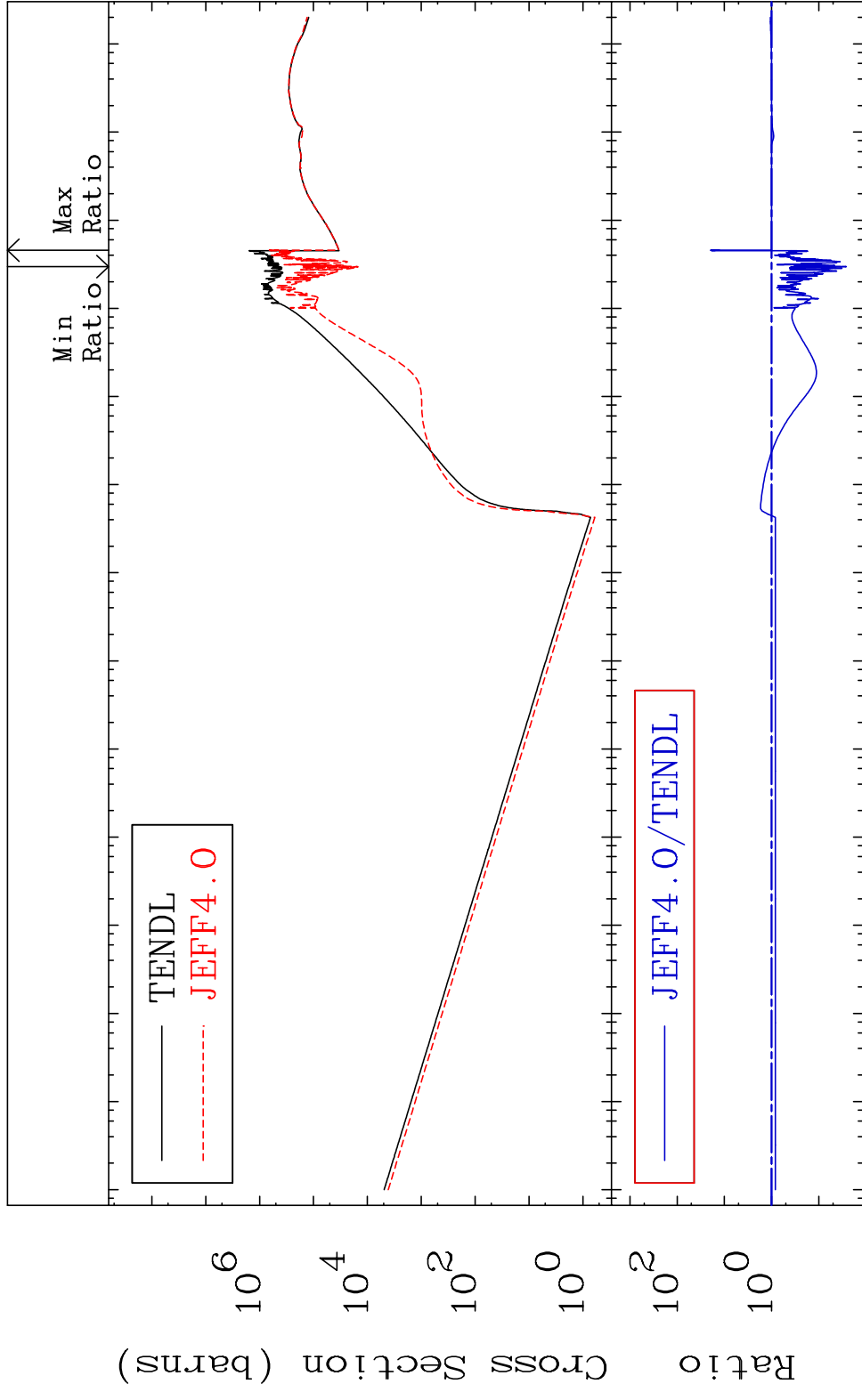
62 Incident Energy (eV) 20-Ca-48

MAT 2049

Dpa total (eV-barns)

20-Ca-48

Cross Section -97.38 To 1848. %



Ratio

10⁶

10⁴

10²

10⁰

10²

10⁰

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

63

Incident Energy (eV)

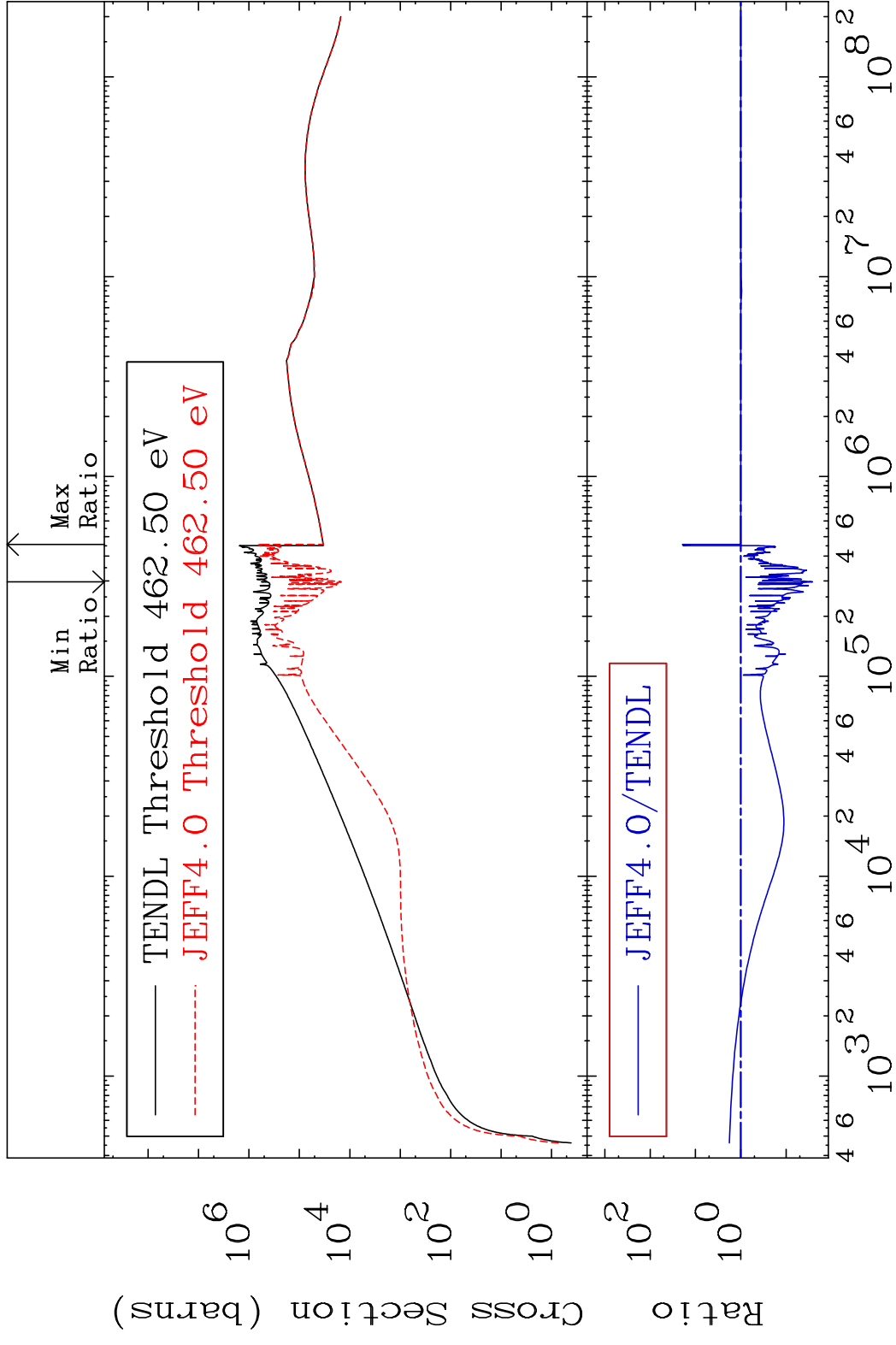
20-Ca-48

MAT 2049

Dpa elastic (mt2)

20-Ca-48

Cross Section -97.38 To 1848. %

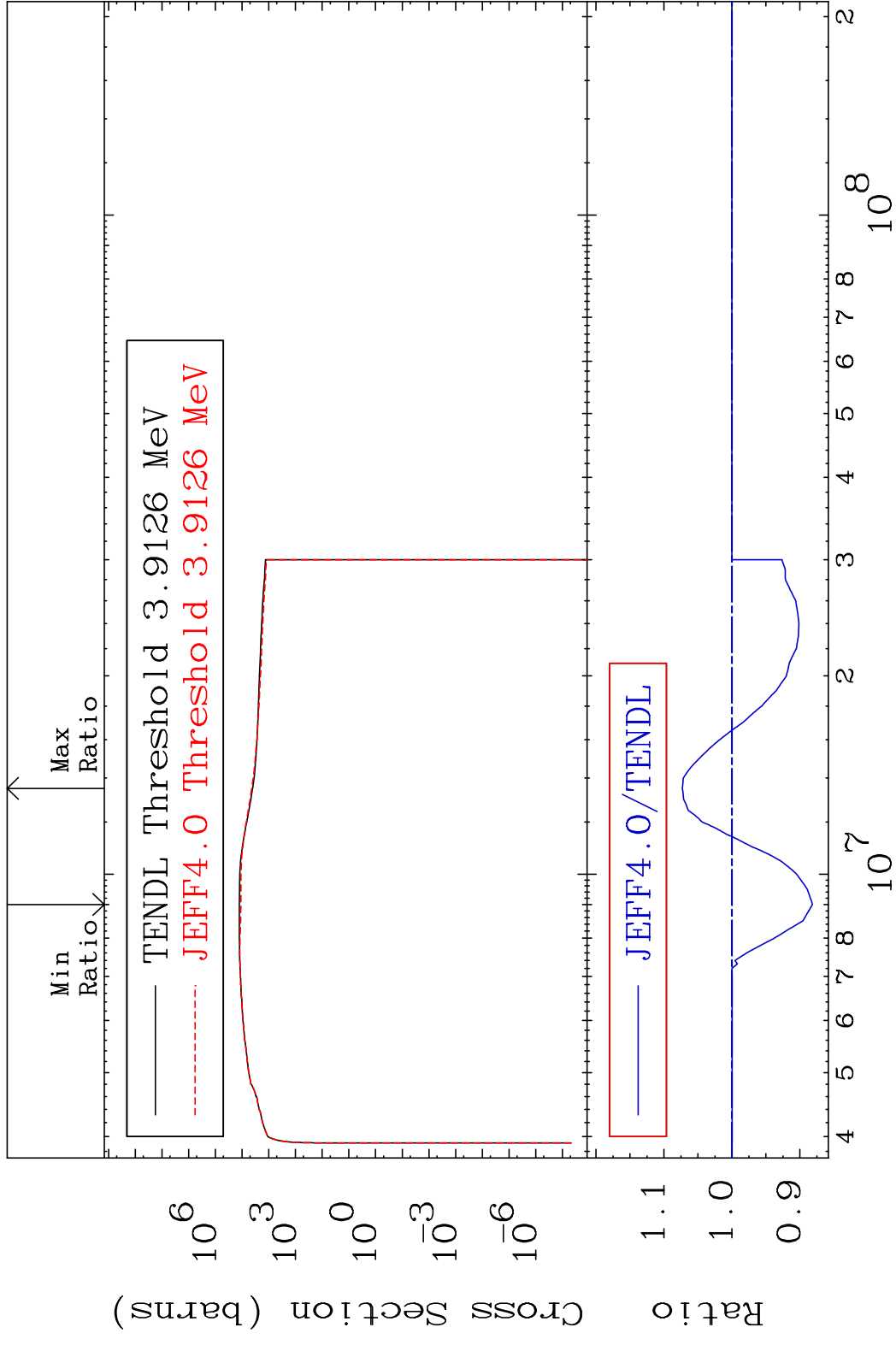


64

Incident Energy (eV)

20-Ca-48

MAT 2049 Dpa inelastic (mt51-91) 20-Ca-48
 Cross Section -11.86 To 7.301 %



MAT 2049 Dpa disappearance (mt102 -120) 20-Ca-48
 Cross Section -99.95 To 9999. %

