

Program Complot
(Version 2021-1)

by

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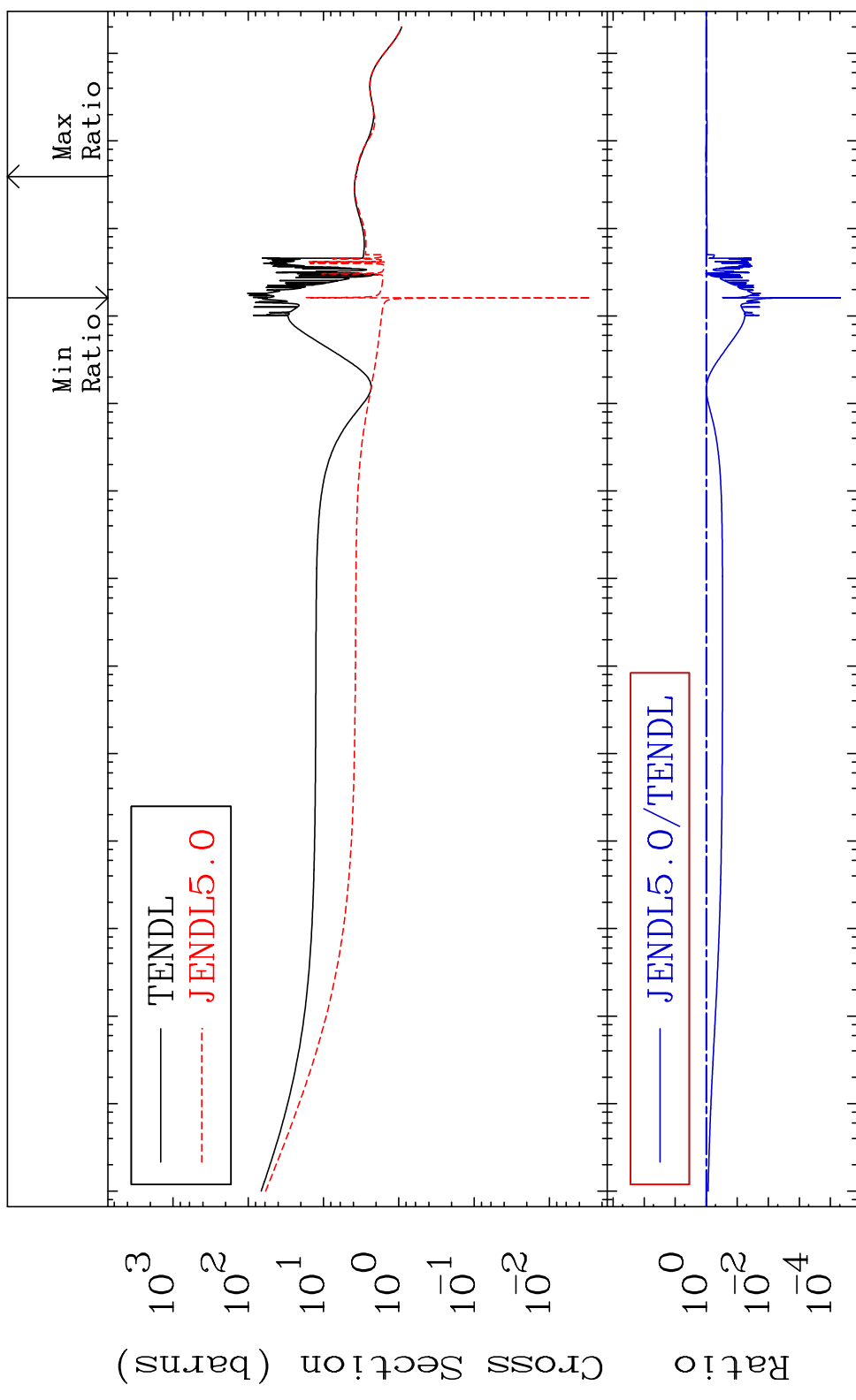
Press Mouse Button to Start

MAT 2049

Total

20-Ca-48

Cross Section -100.0 To 3.575 %



1

Incident Energy (eV)

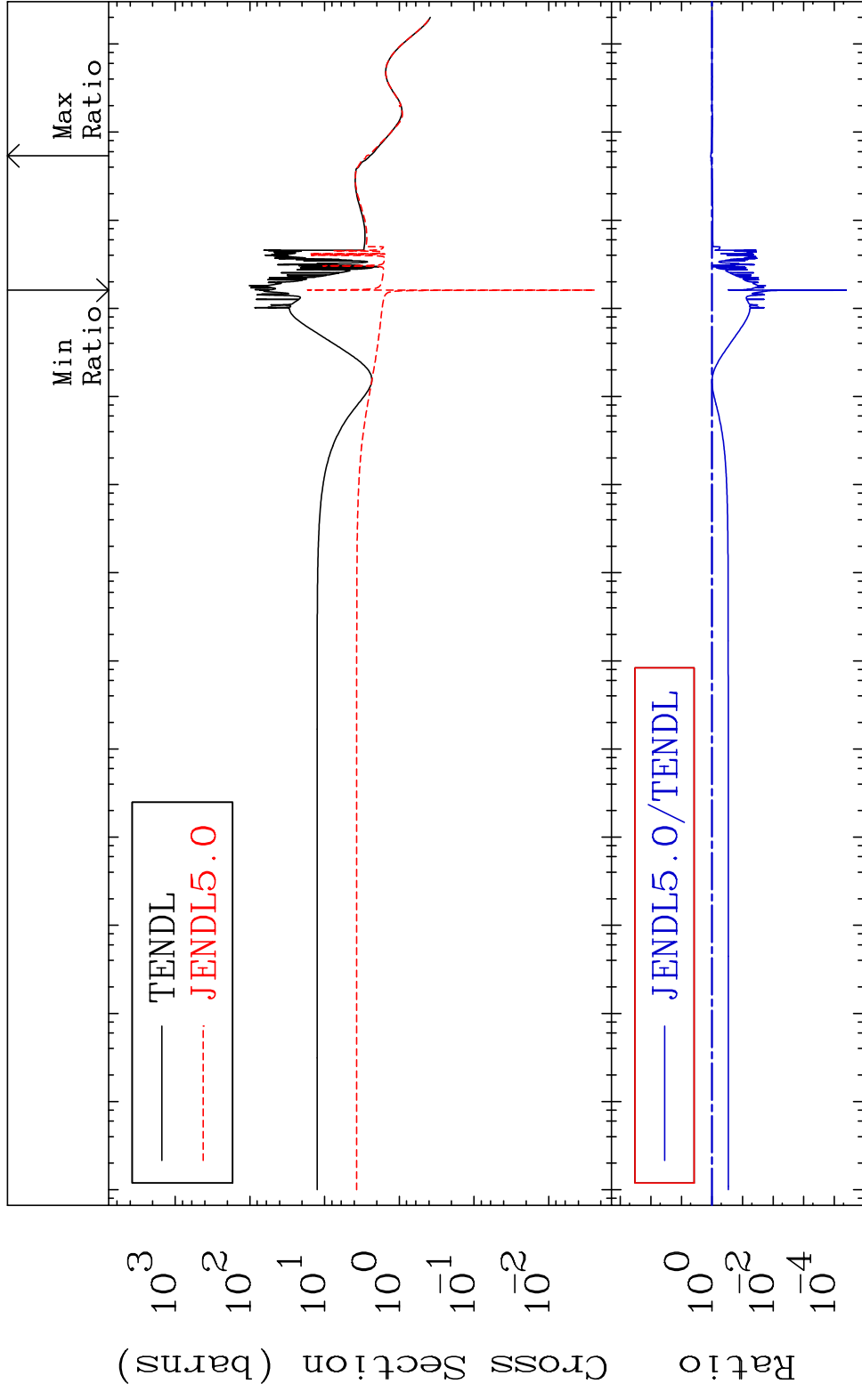
20-Ca-48

MAT 2049

Elastic

20-Ca-48

Cross Section -100.0 To 10.36 %

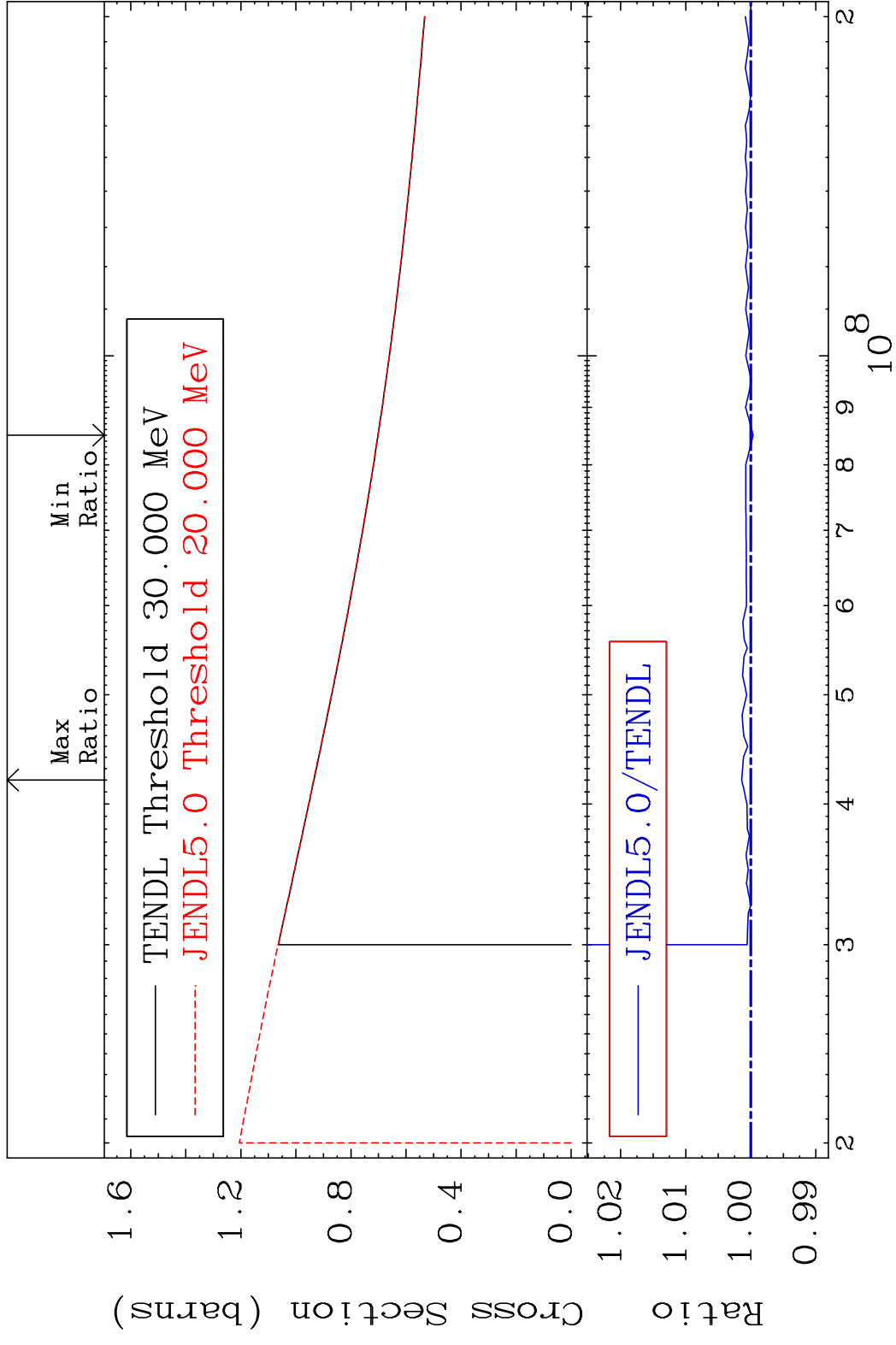


2

Incident Energy (eV)

20-Ca-48

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



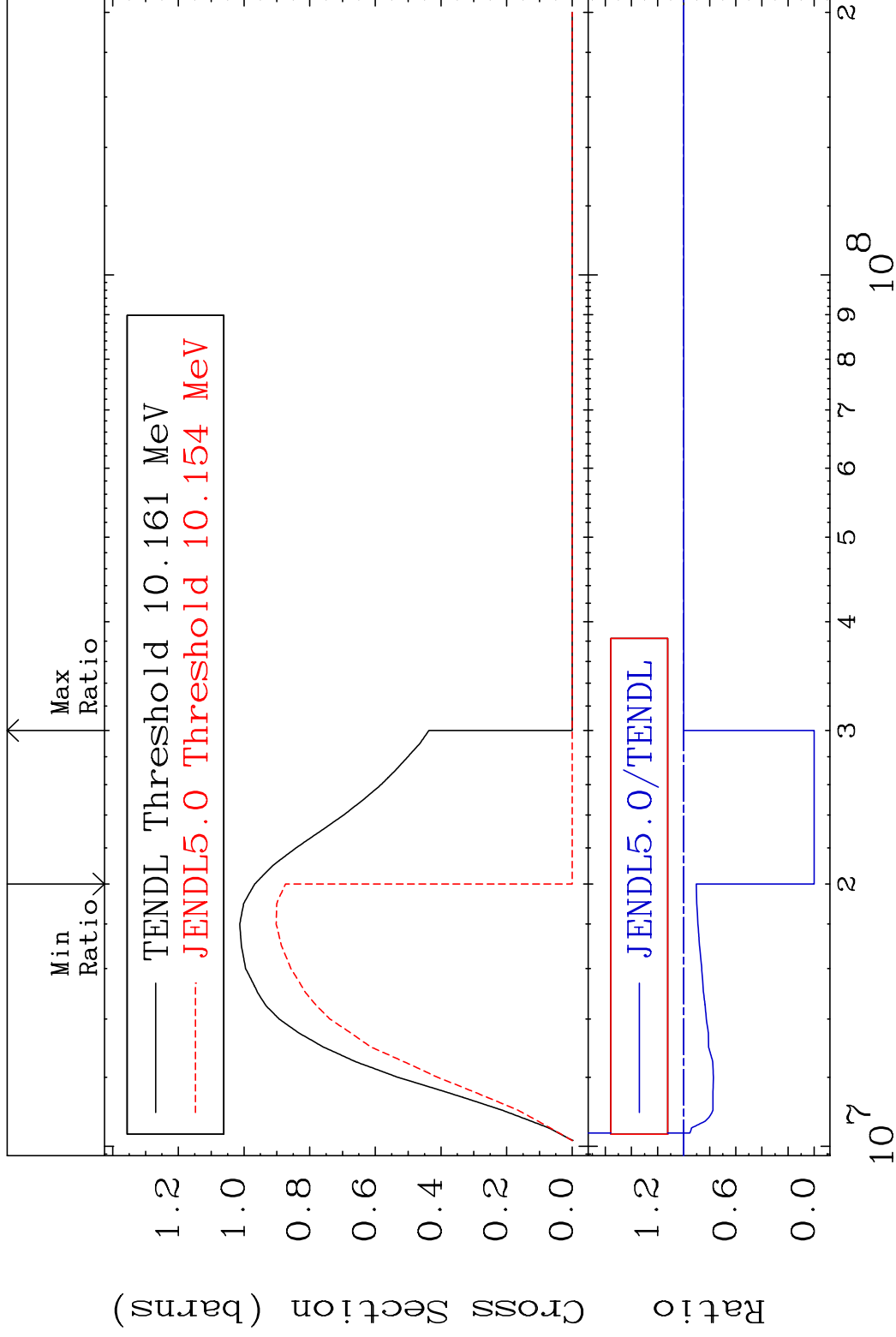
4 Incident Energy (eV) 20-Ca-48

MAT 2049

(n,2n)

20-Ca-48

Cross Section -100.0 To 0.000 %

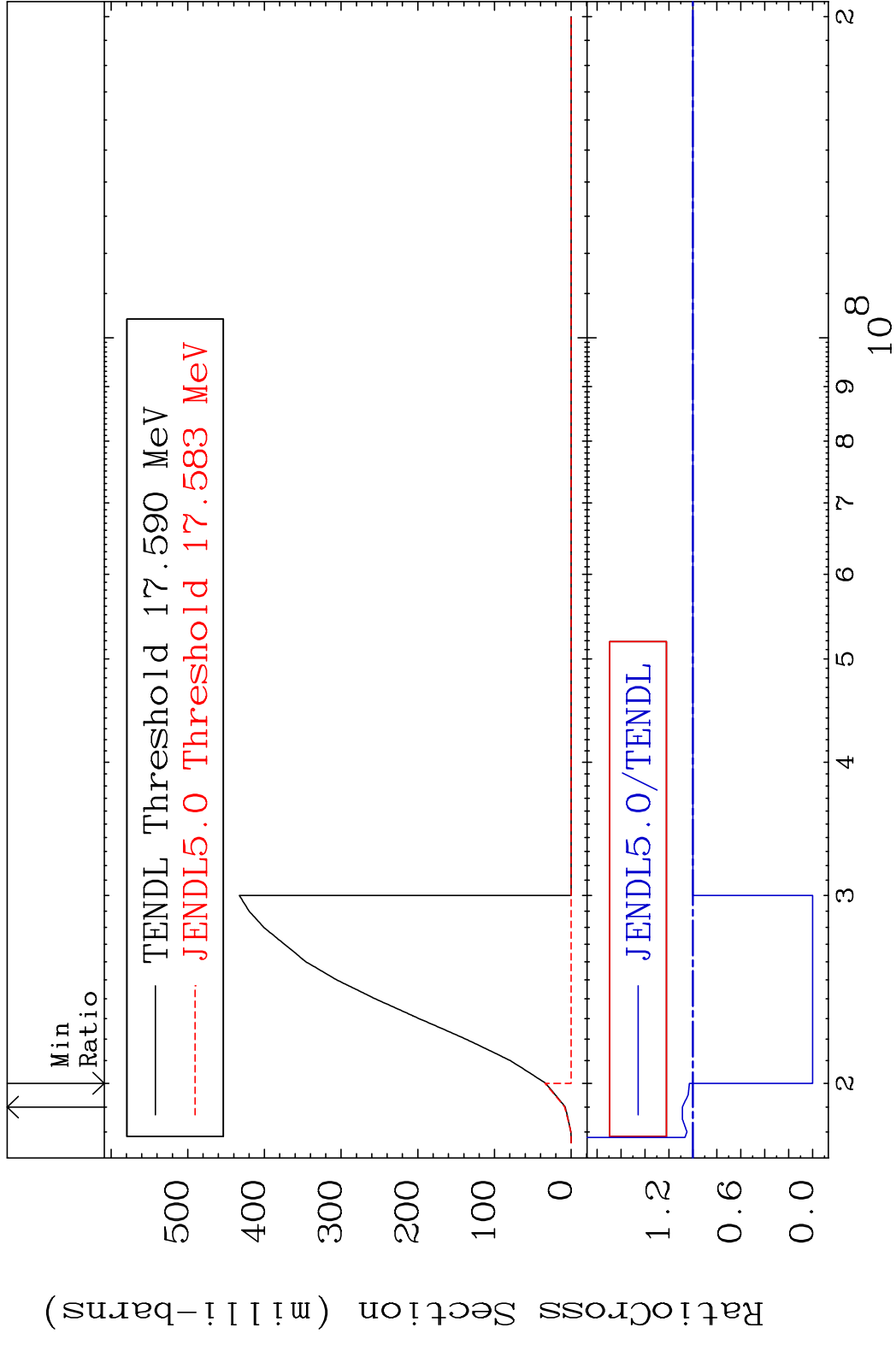


5

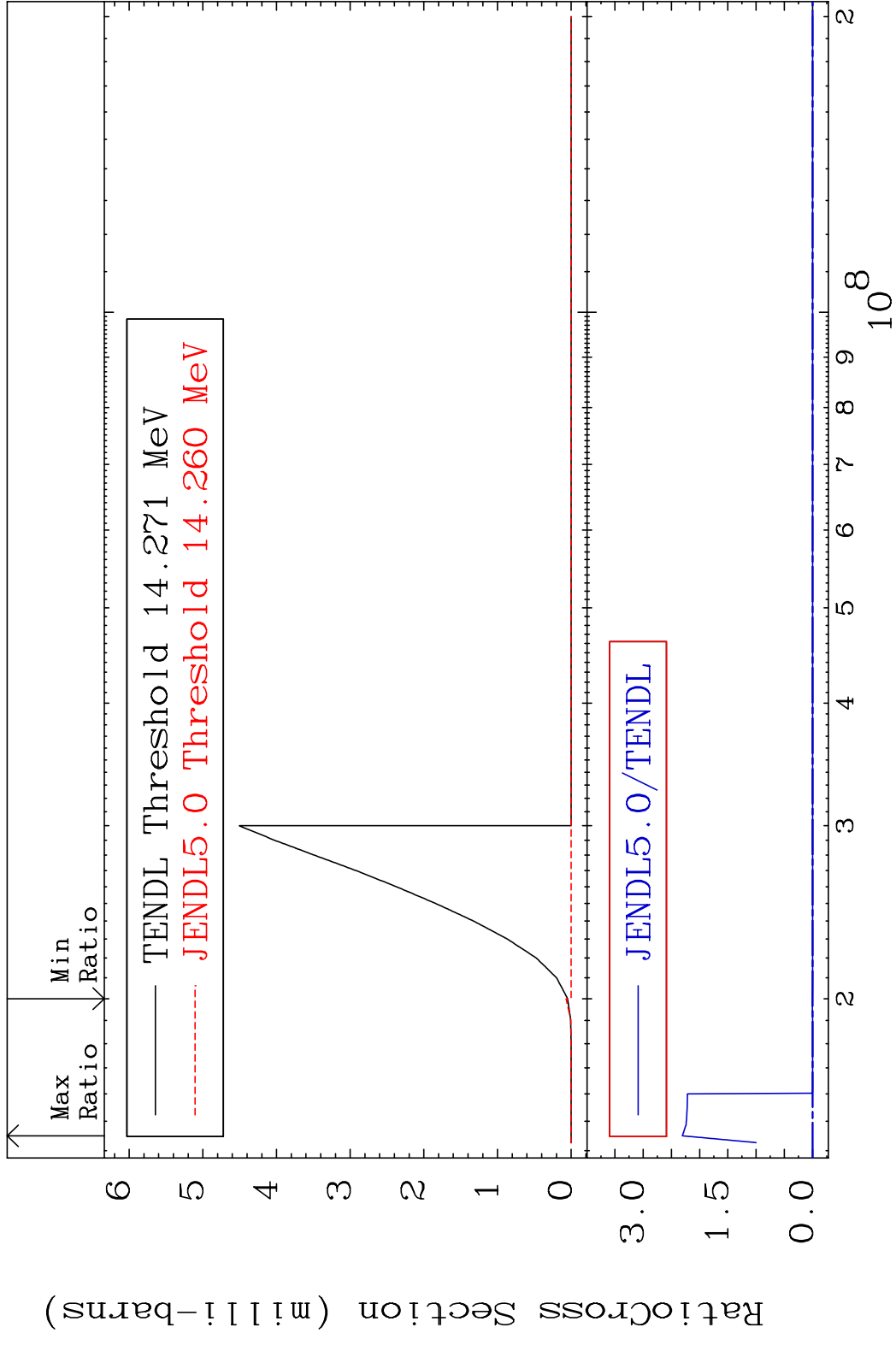
Incident Energy (eV)

20-Ca-48

MAT 2049 (n,3n) 20-Ca-48
 Cross Section -100.0 To 8.724 %

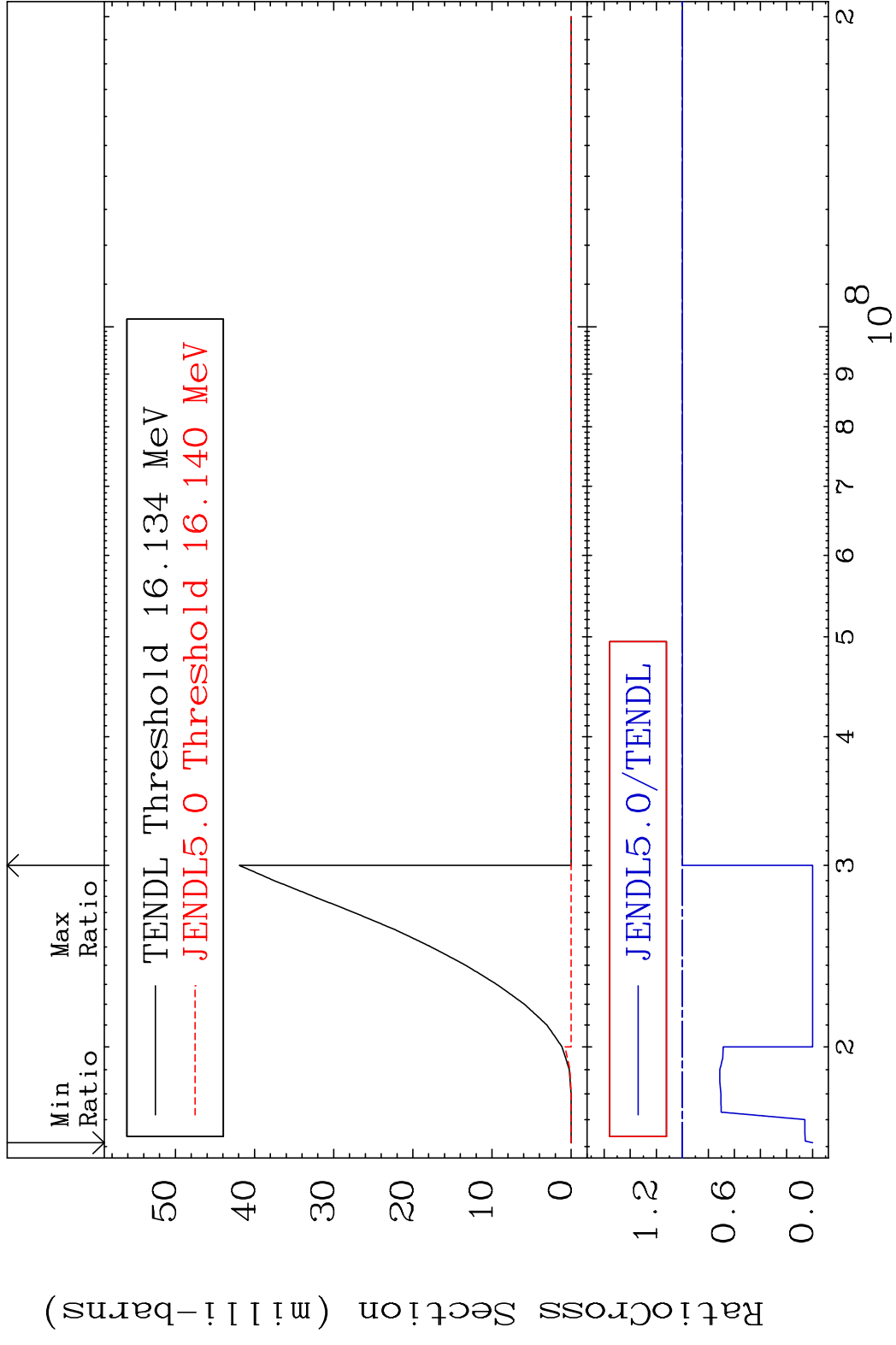


MAT 2049 (n, n') α 20-Ca-48
 Cross Section -100.0 To 9999. %

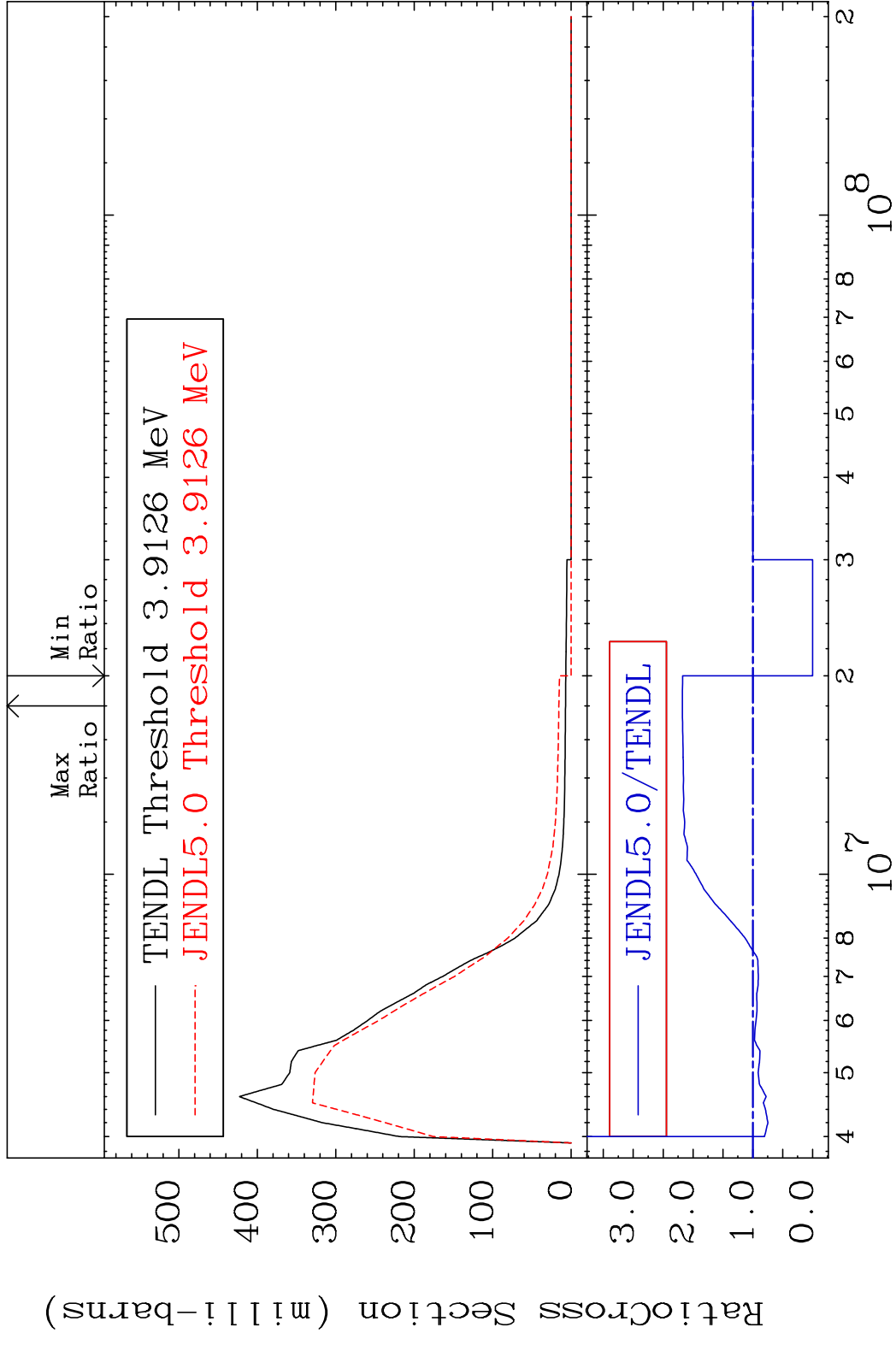


7 Incident Energy (eV) 20-Ca-48

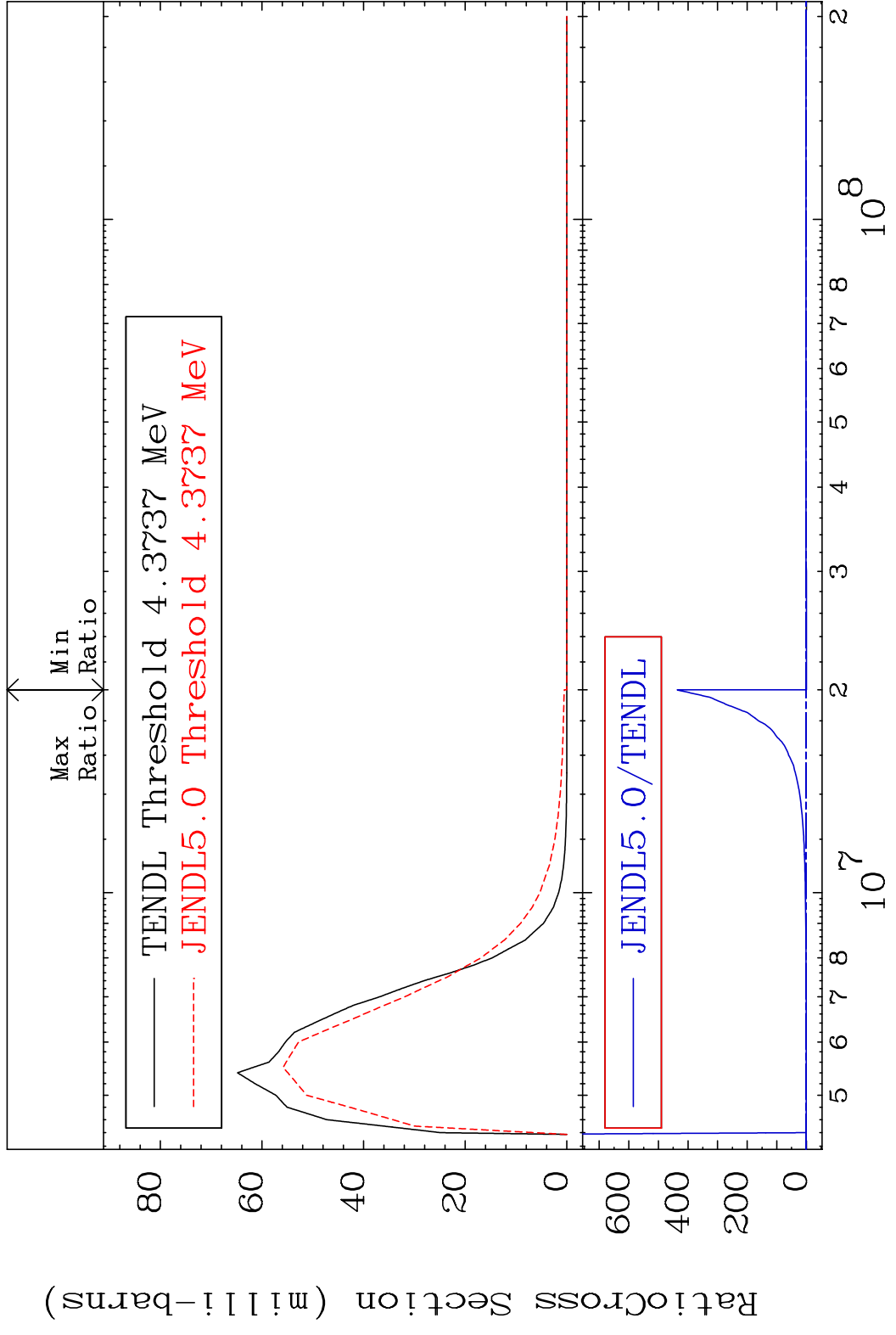
MAT 2049 (n, n') p 20-Ca-48
 Cross Section -100.0 To 0.000 %



MAT 2049 MT= 51 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 117.8 %

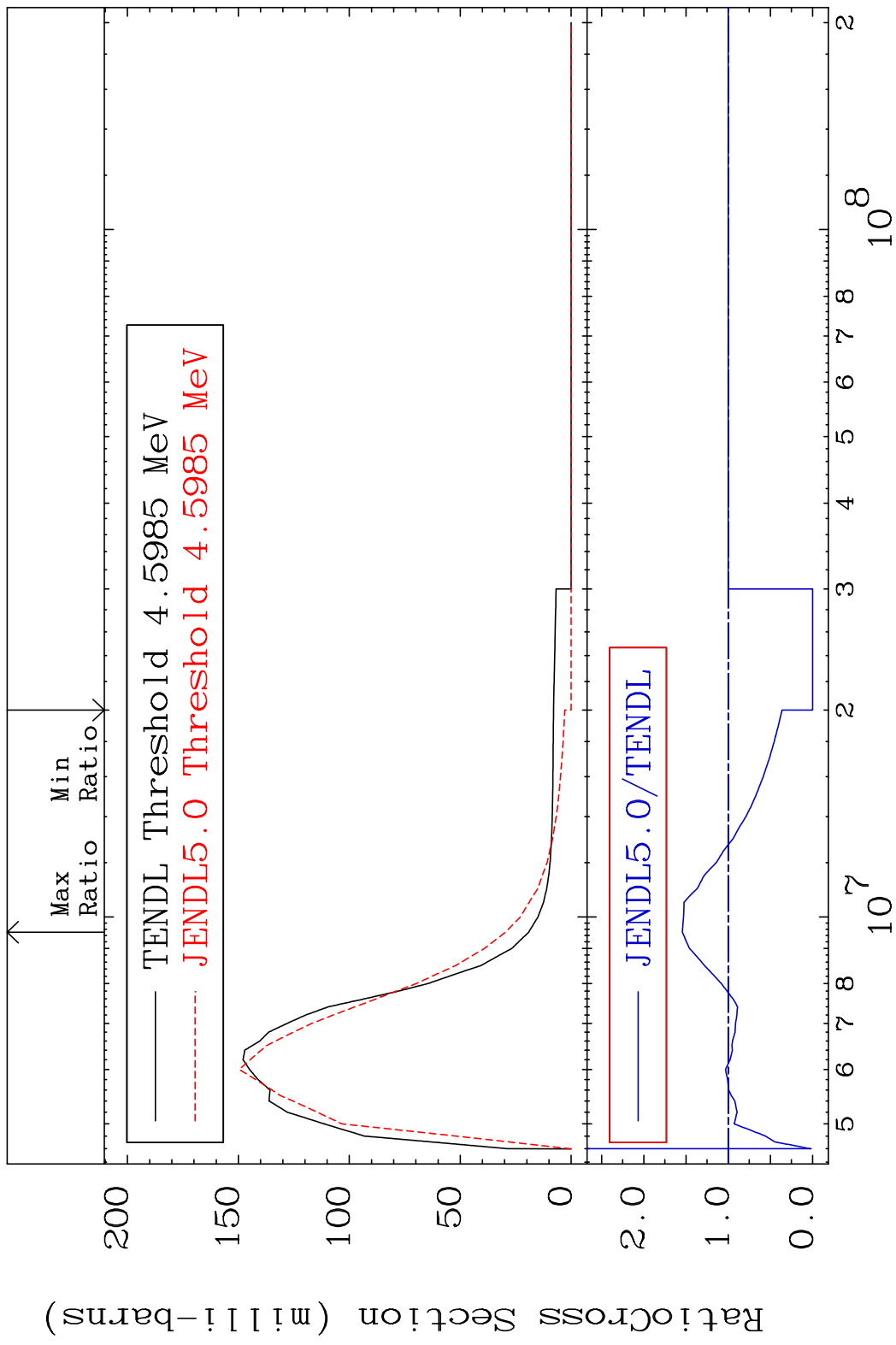


MAT 2049 MT= 52 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %

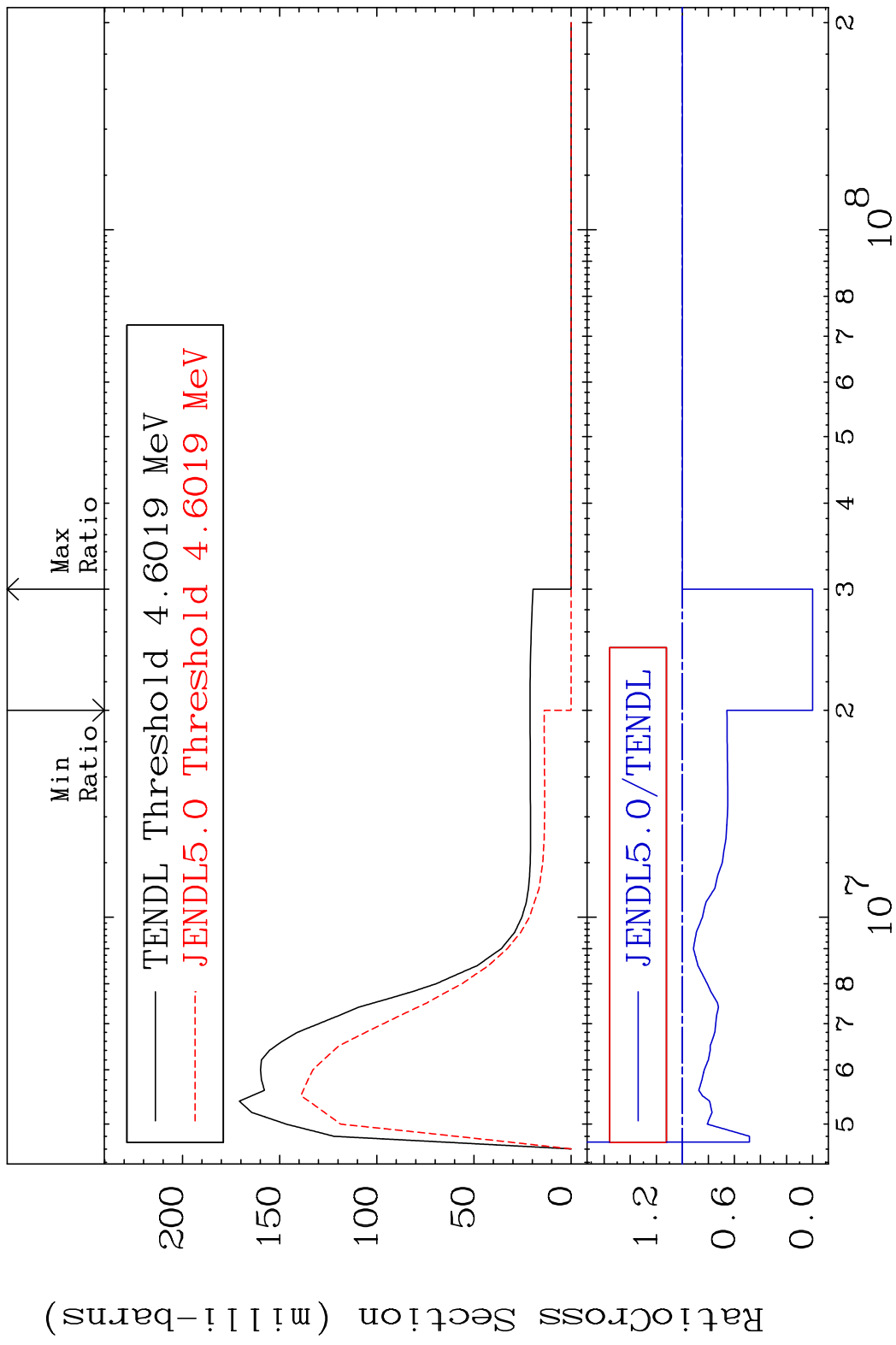


10 10 20-Ca-48

MAT 2049 MT= 53 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 54.29 %

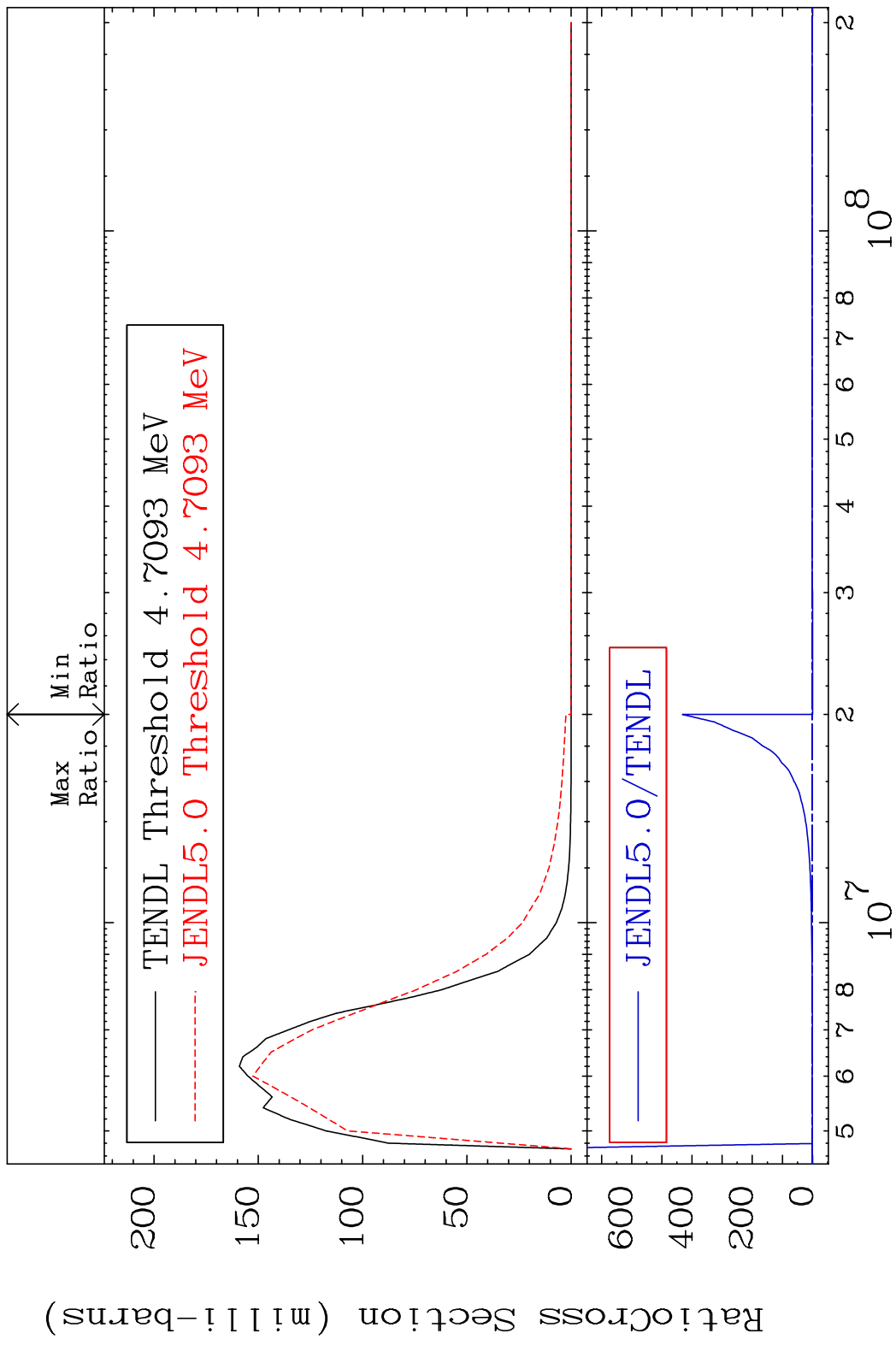


MAT 2049 MT= 54 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 0.000 %

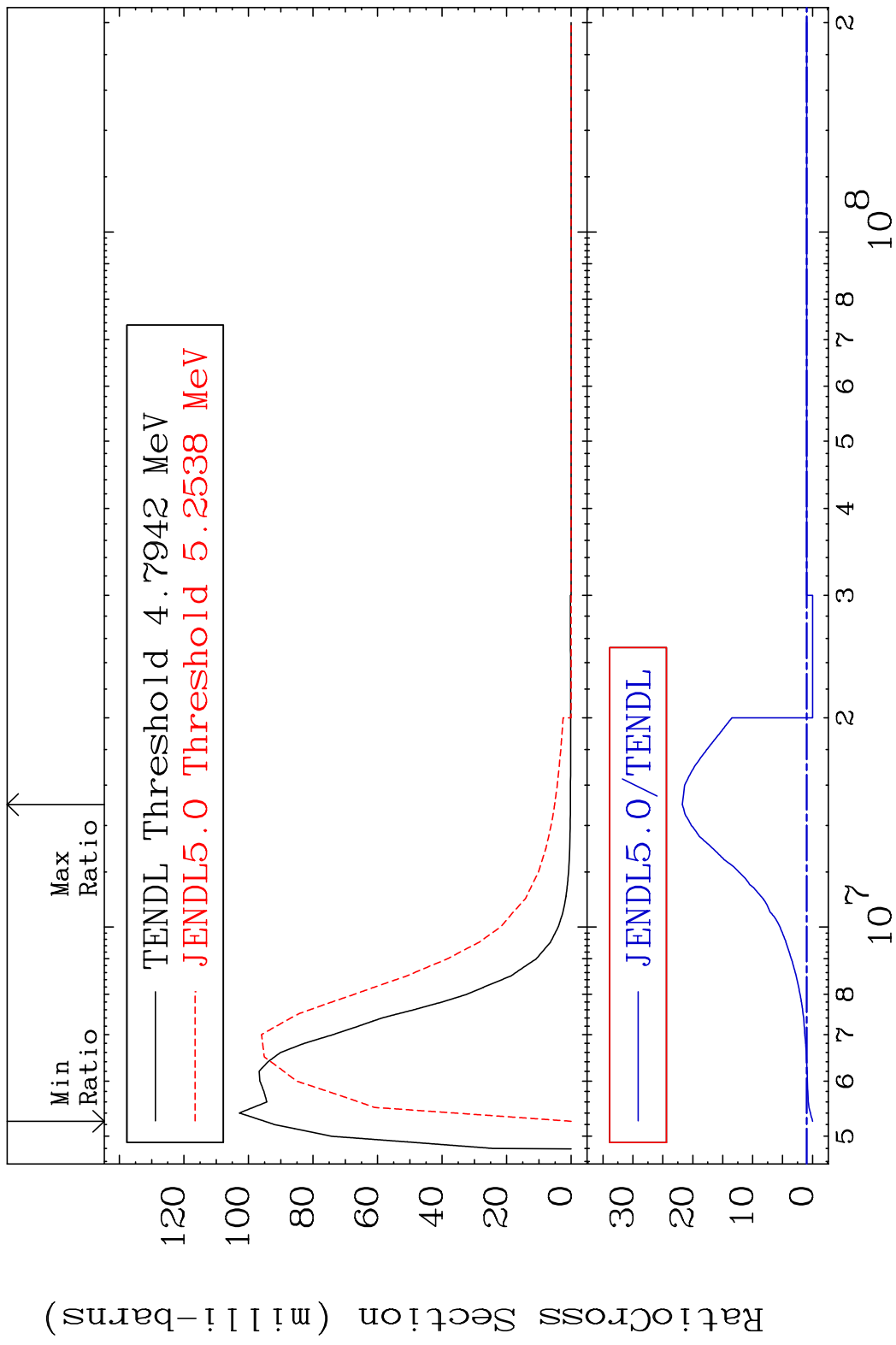


12 Incident Energy (eV) 20-Ca-48

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

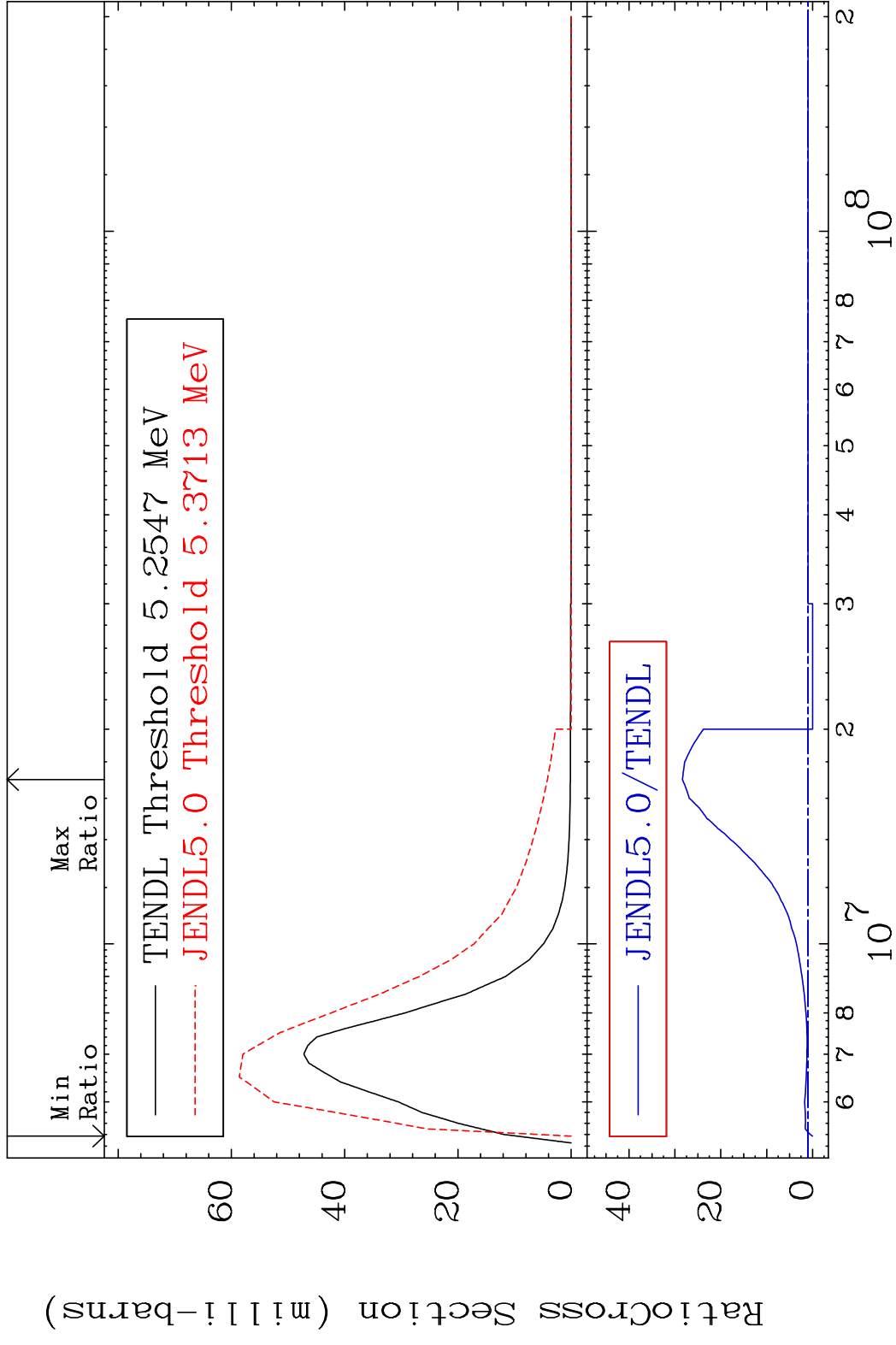


MAT 2049 MT= 56 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 2074. %

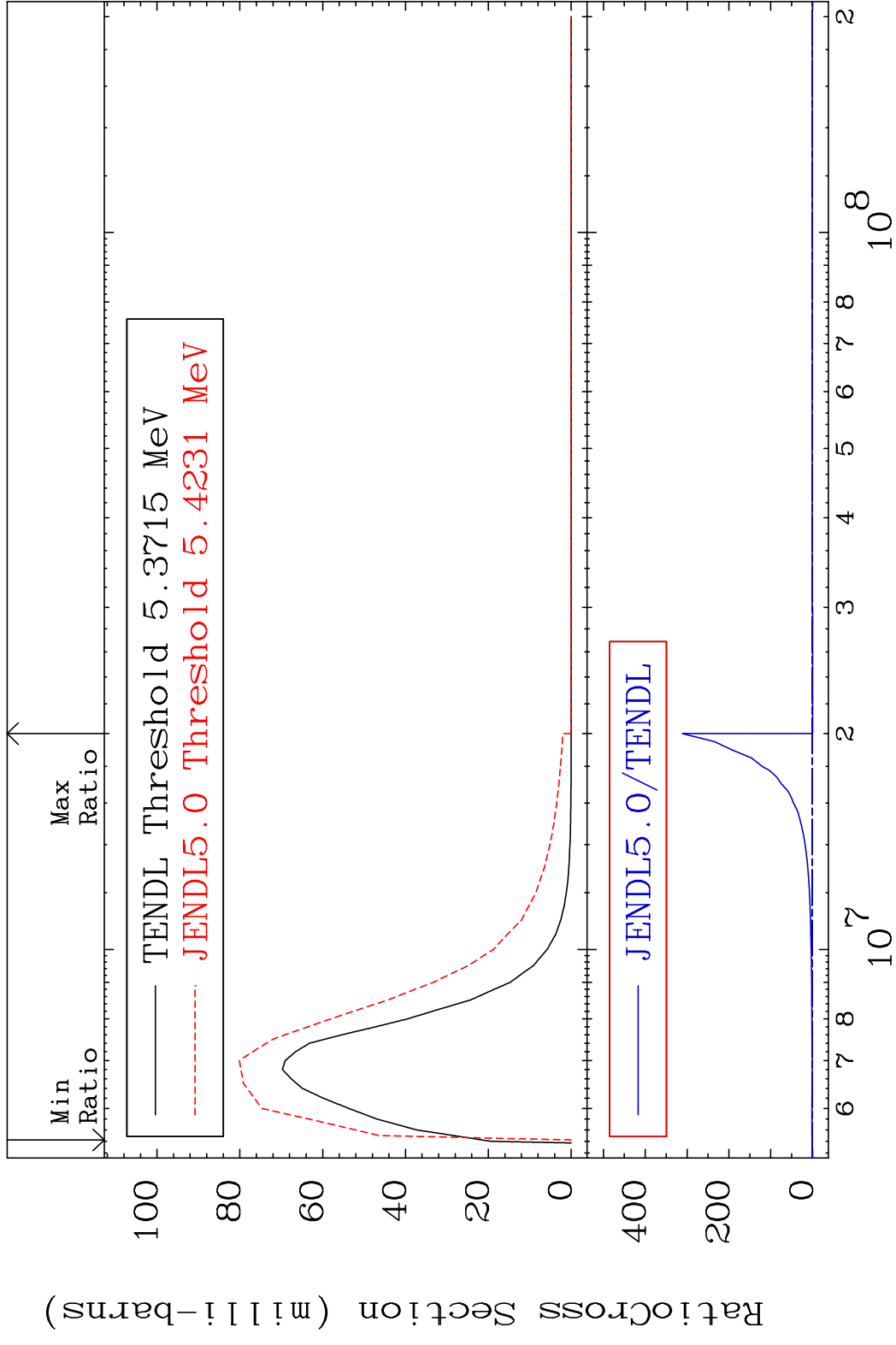


14 Incident Energy (eV) 20-Ca-48

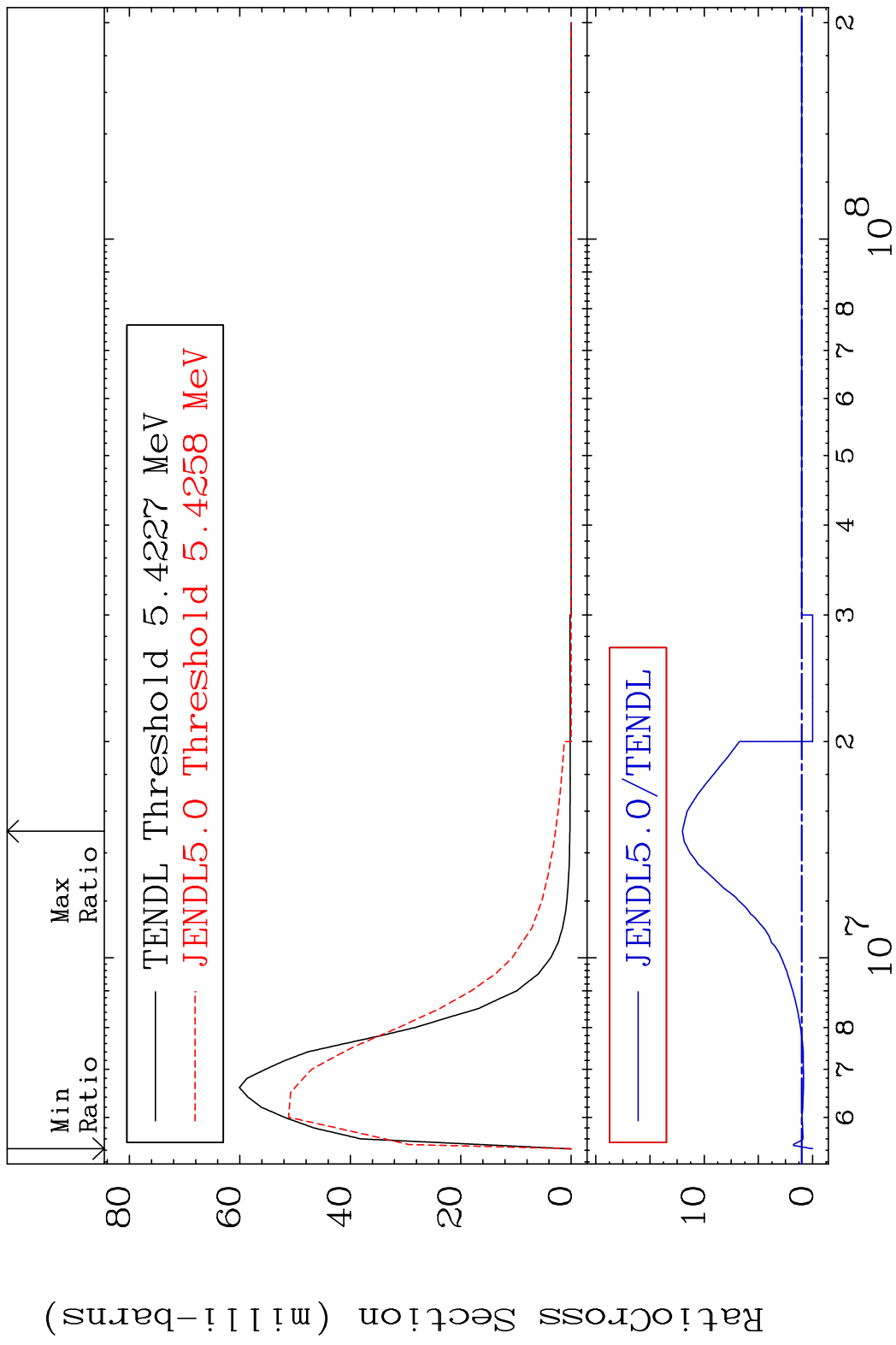
MAT 2049 MT= 57 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 2738. %



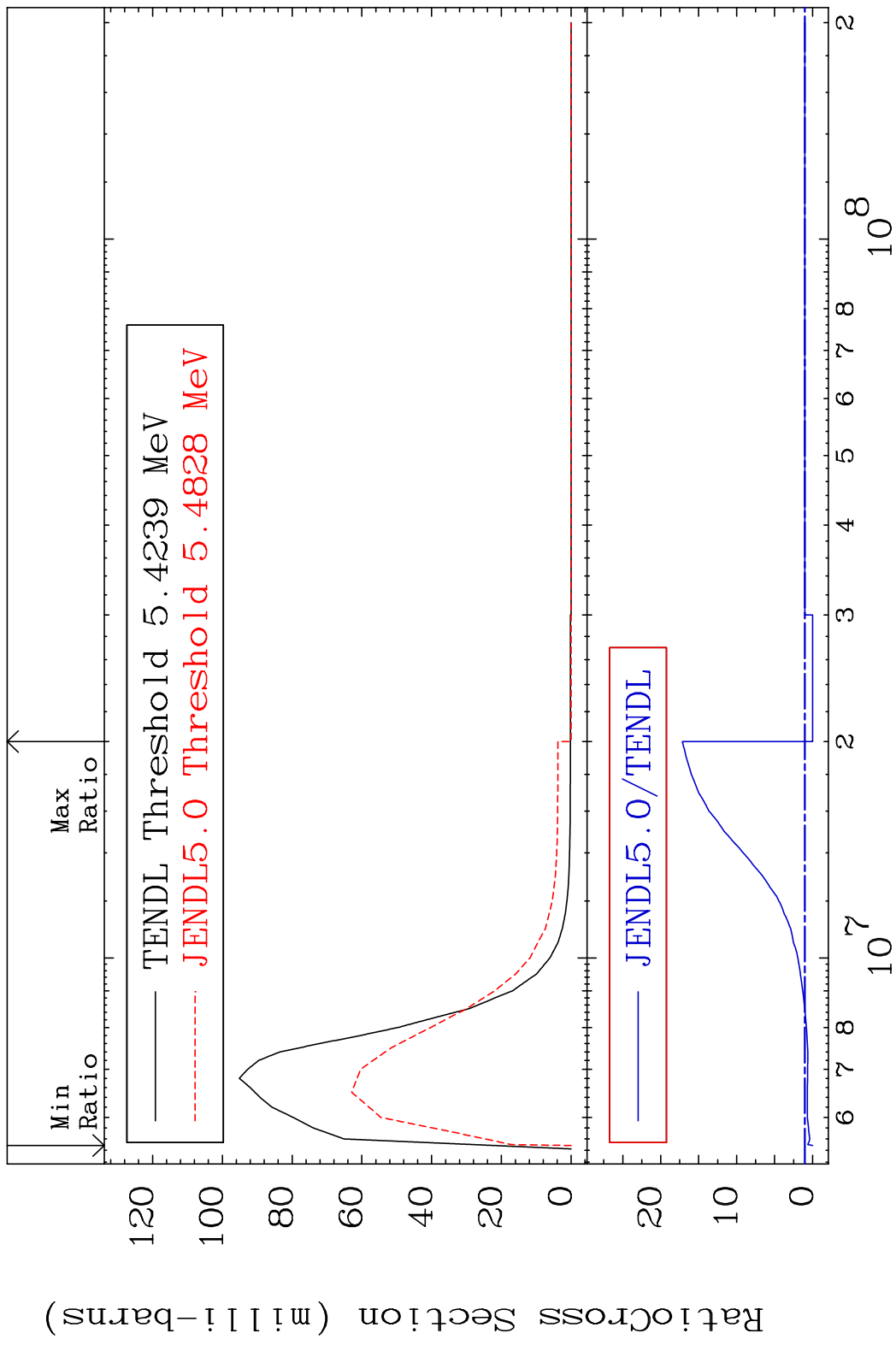
MAT 2049 MT= 58 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %



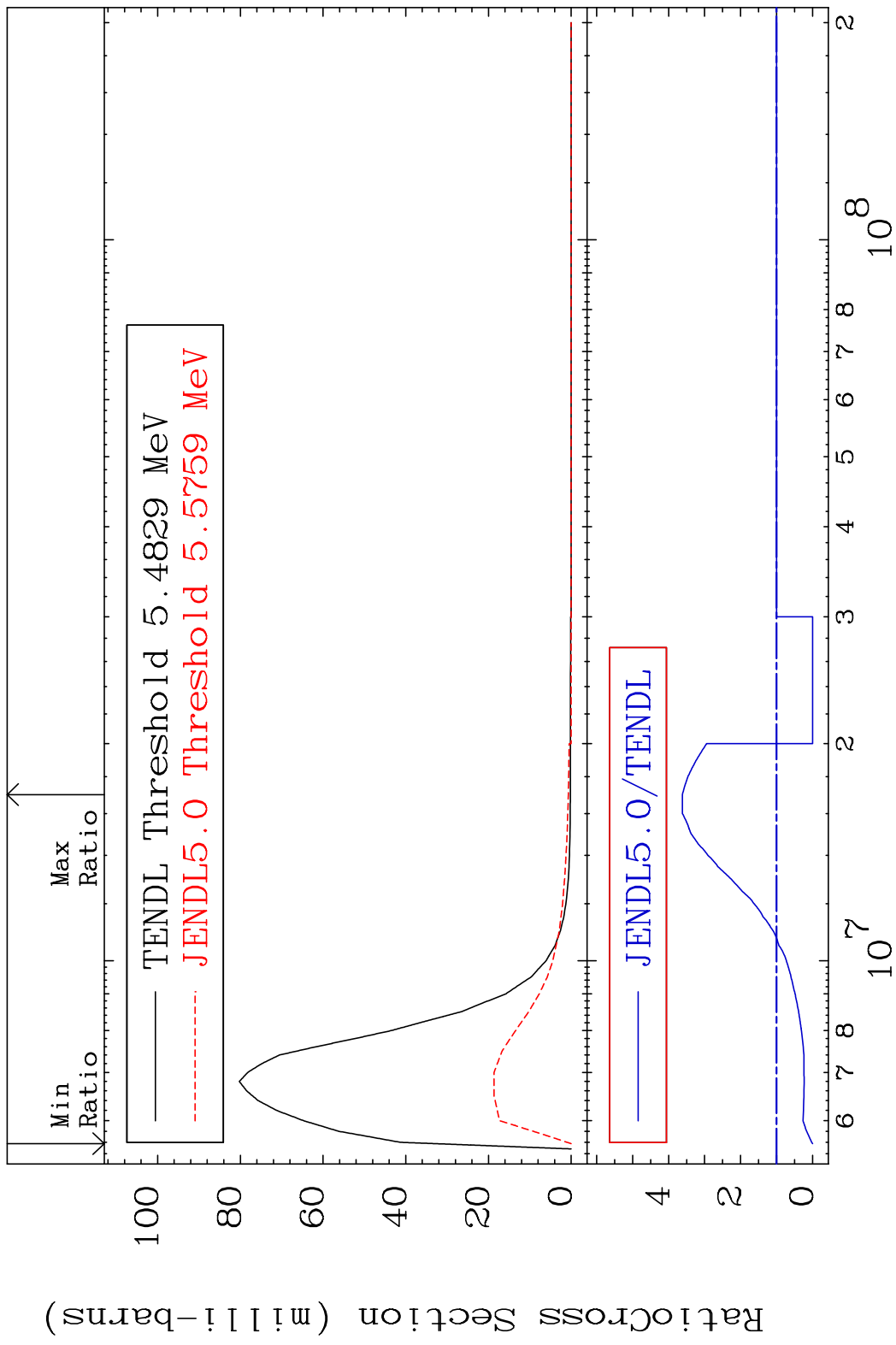
MAT 2049 MT= 59 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1102. %



MAT 2049 MT= 60 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1615. %



MAT 2049 MT= 61 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 261.9 %



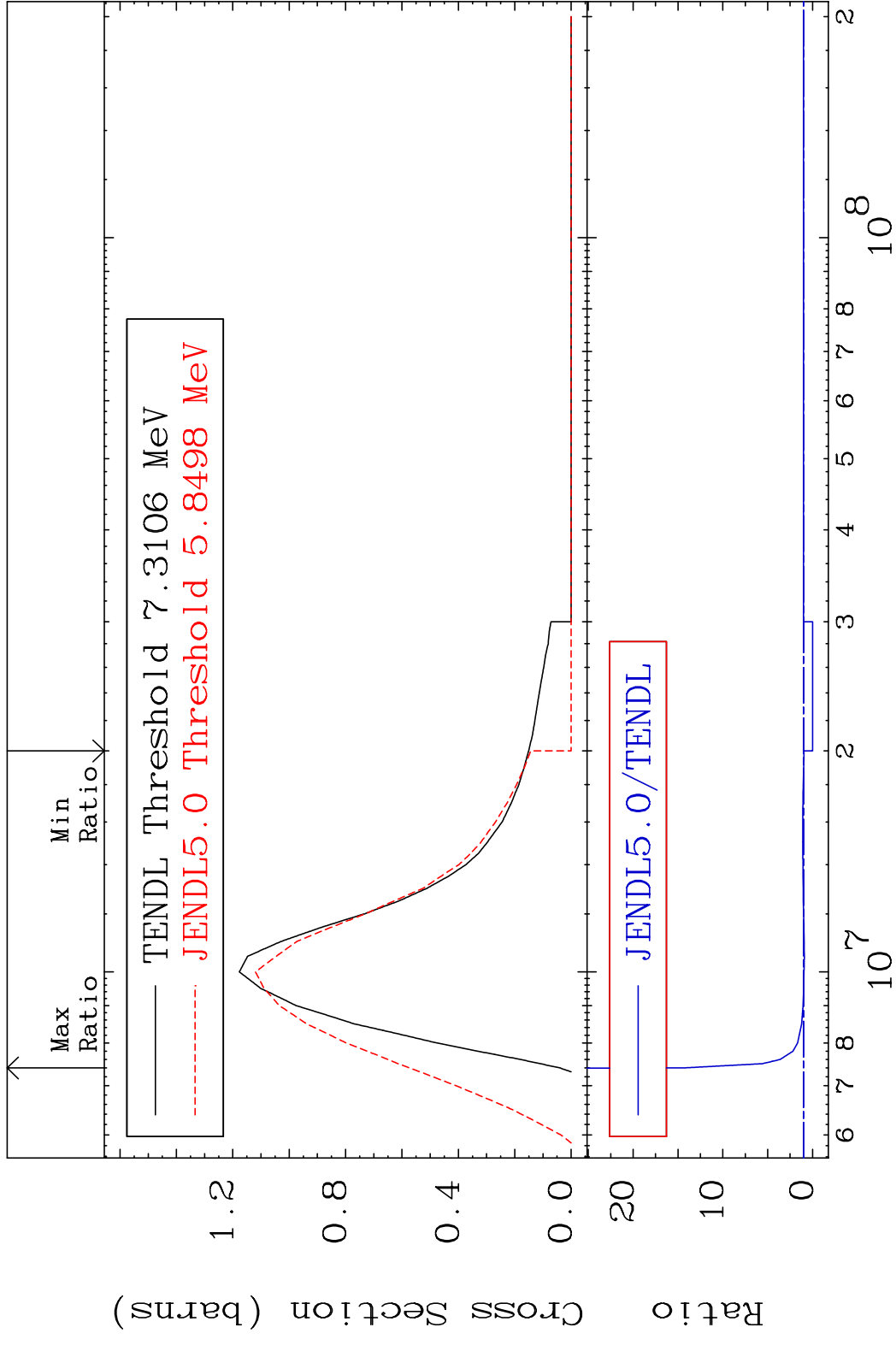
19 20-Ca-48

MAT 2049

(n,n') Continuum

20-Ca-48

Cross Section -100.0 To 1352. %



20

Incident Energy (eV)

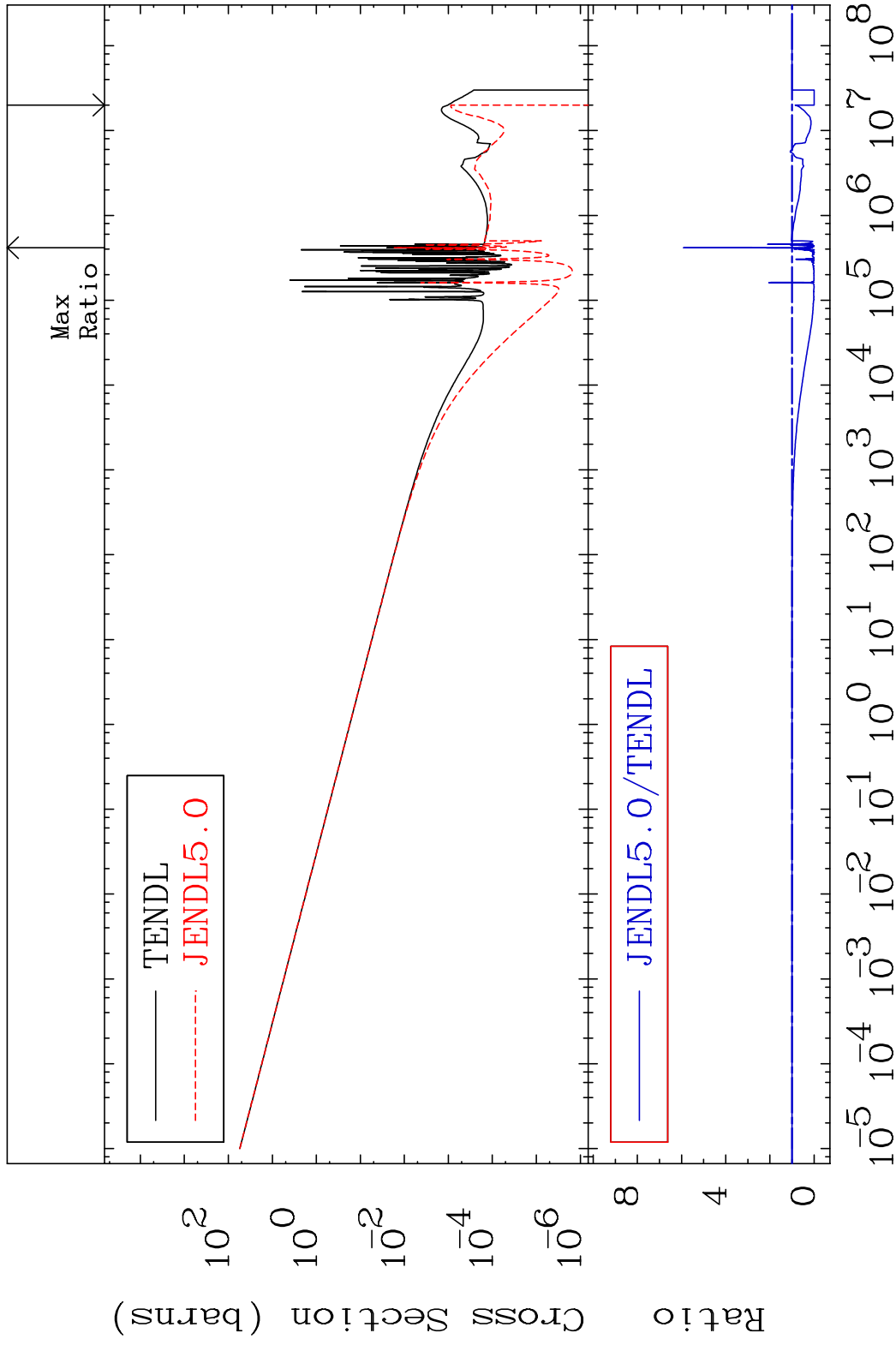
20-Ca-48

MAT 2049

(n, γ)

20-Ca-48

Cross Section -100.0 To 490.5 %

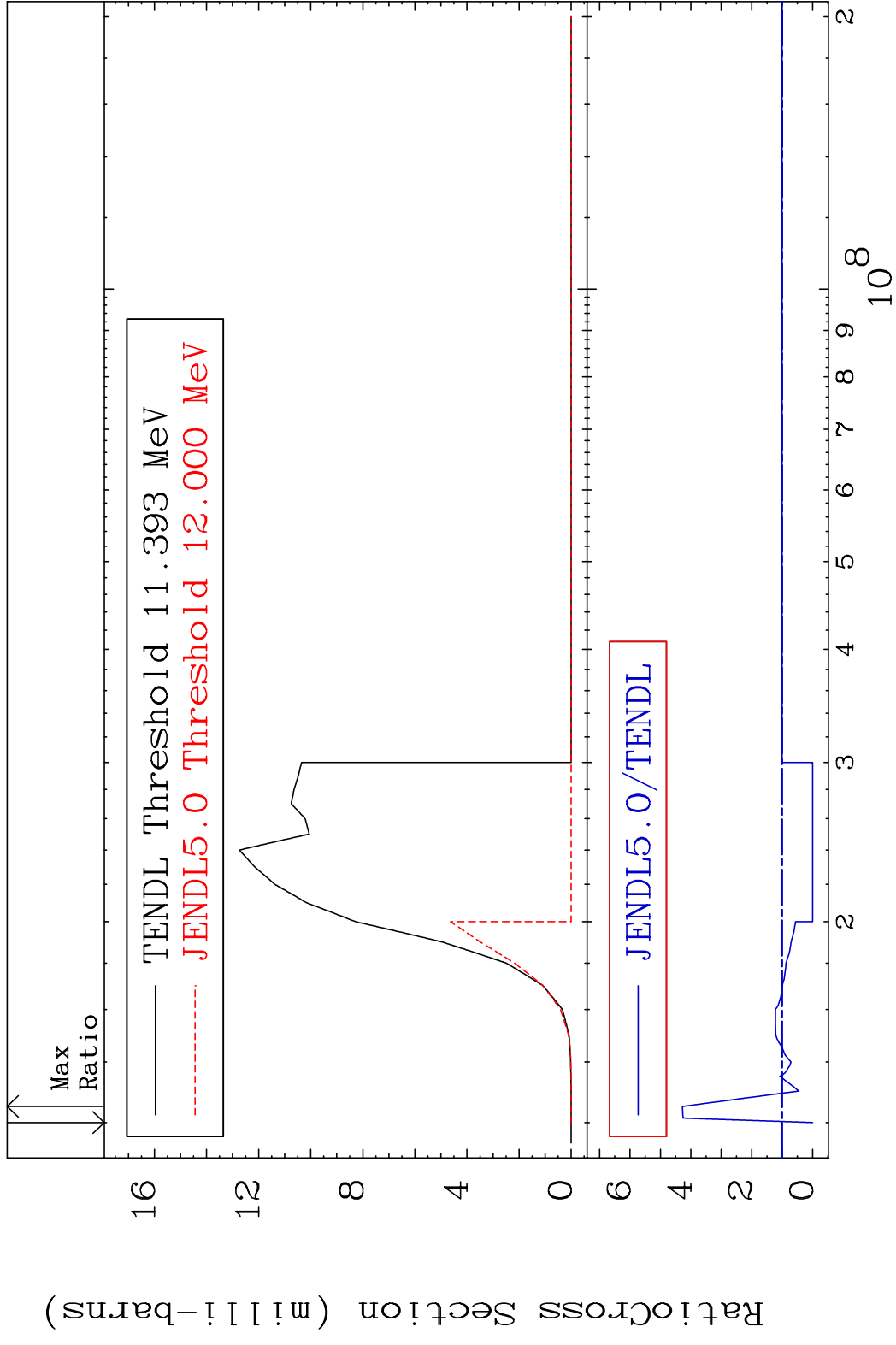


21

Incident Energy (eV)

20-Ca-48

MAT 2049 (n,p) 20-Ca-48
 Cross Section -100.0 To 327.8 %

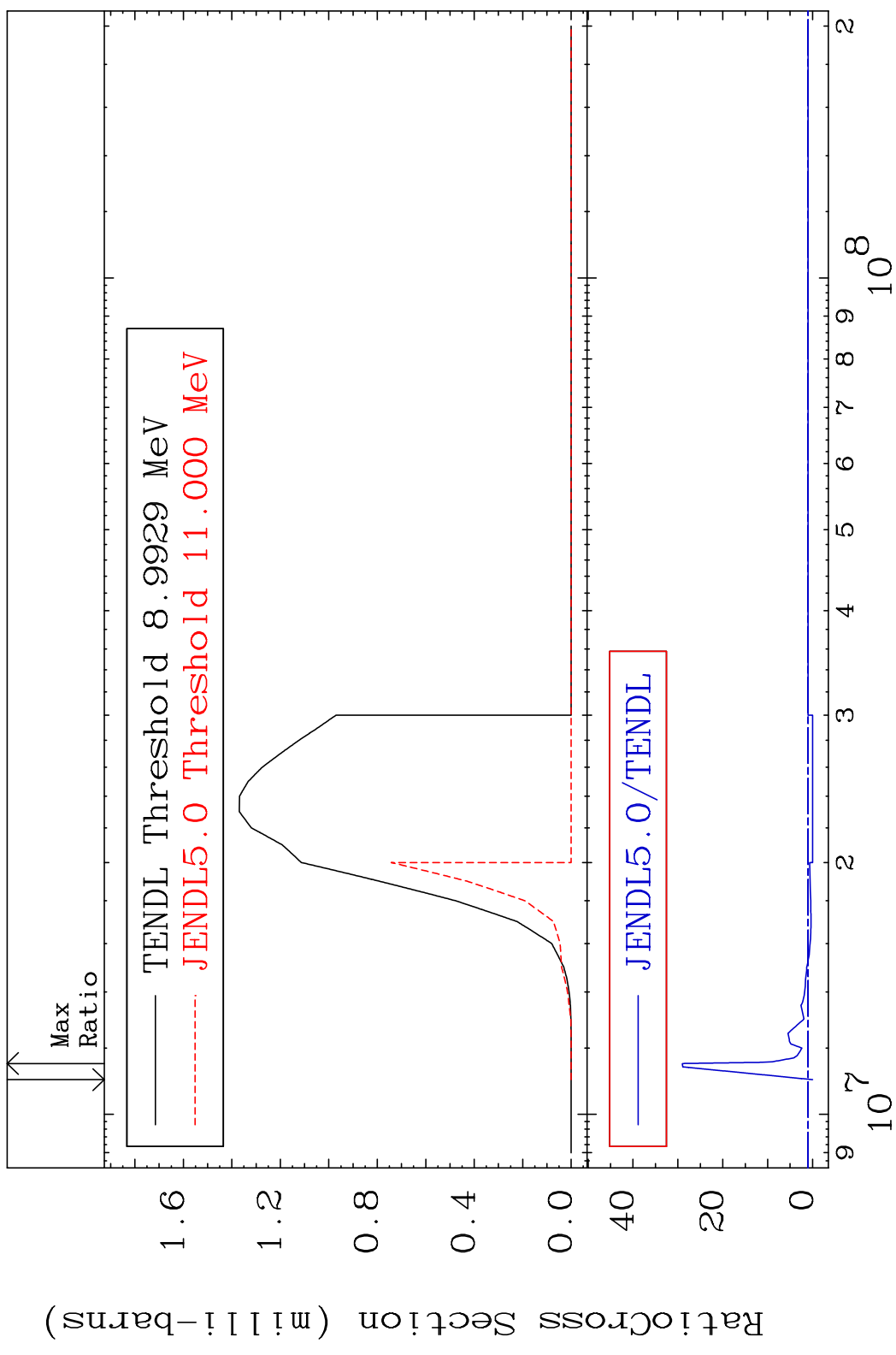


MAT 2049

(n, α)

20-Ca-48

Cross Section -100.0 To 2800. %

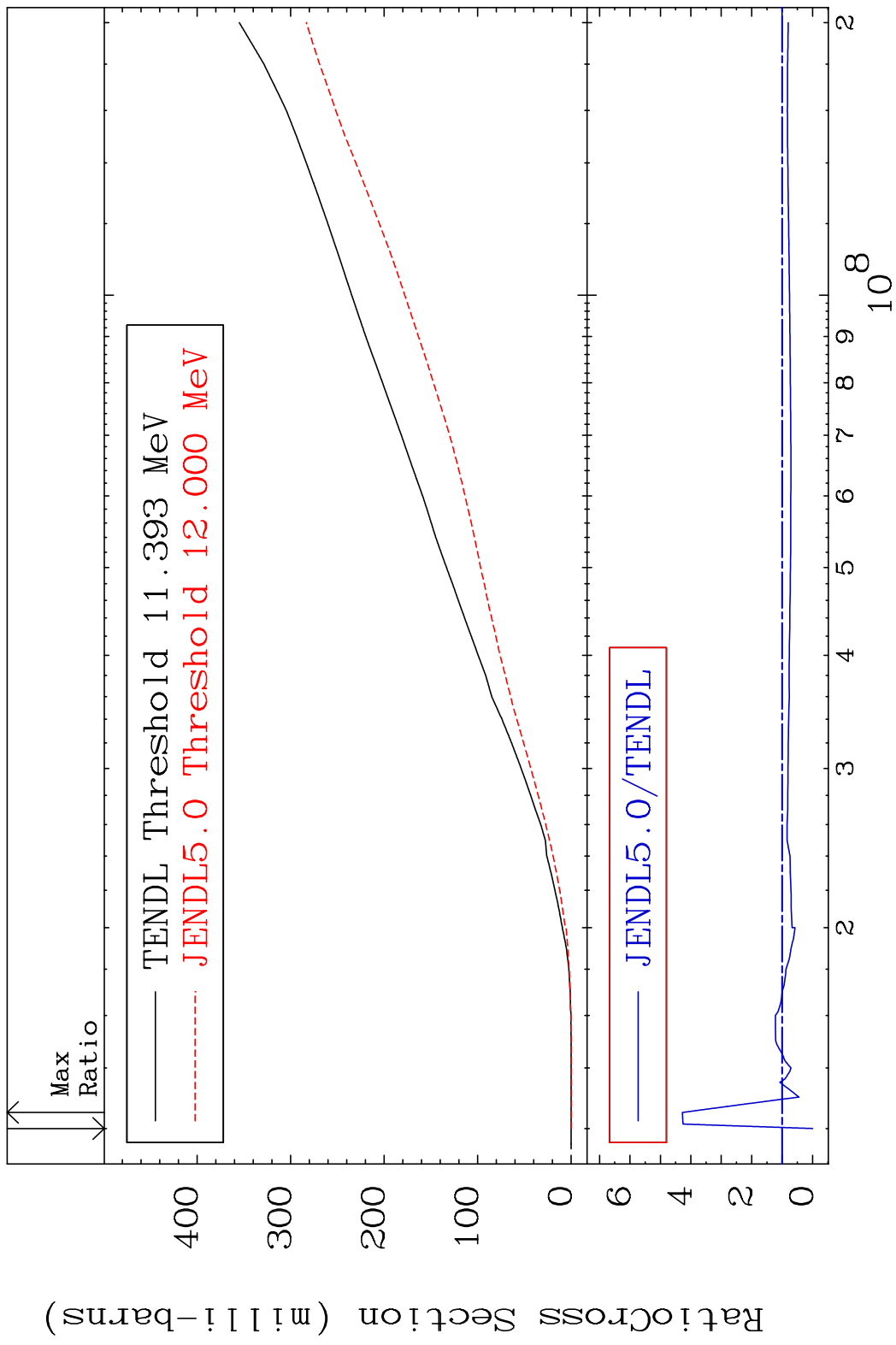


23

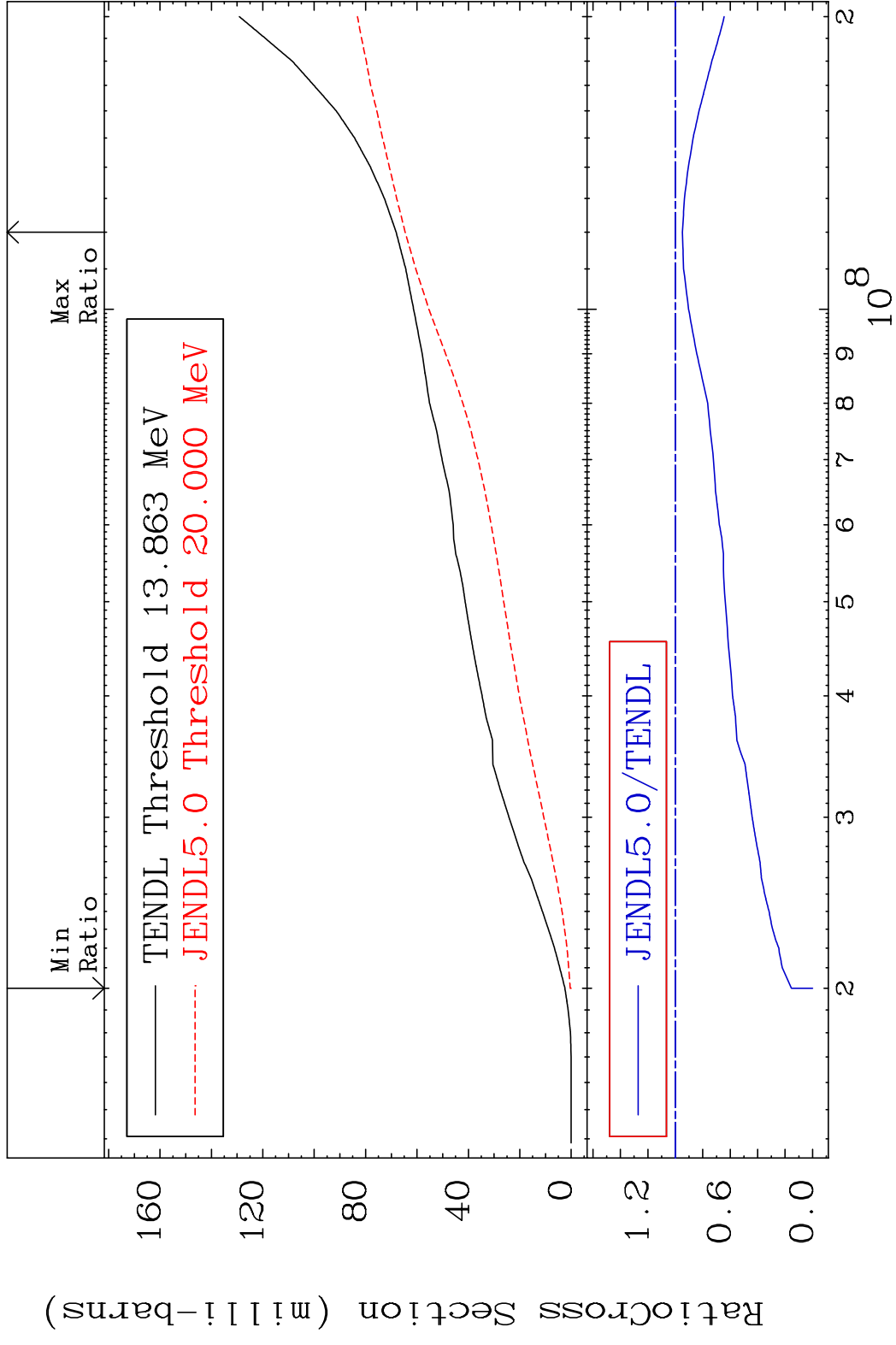
Incident Energy (eV)

20-Ca-48

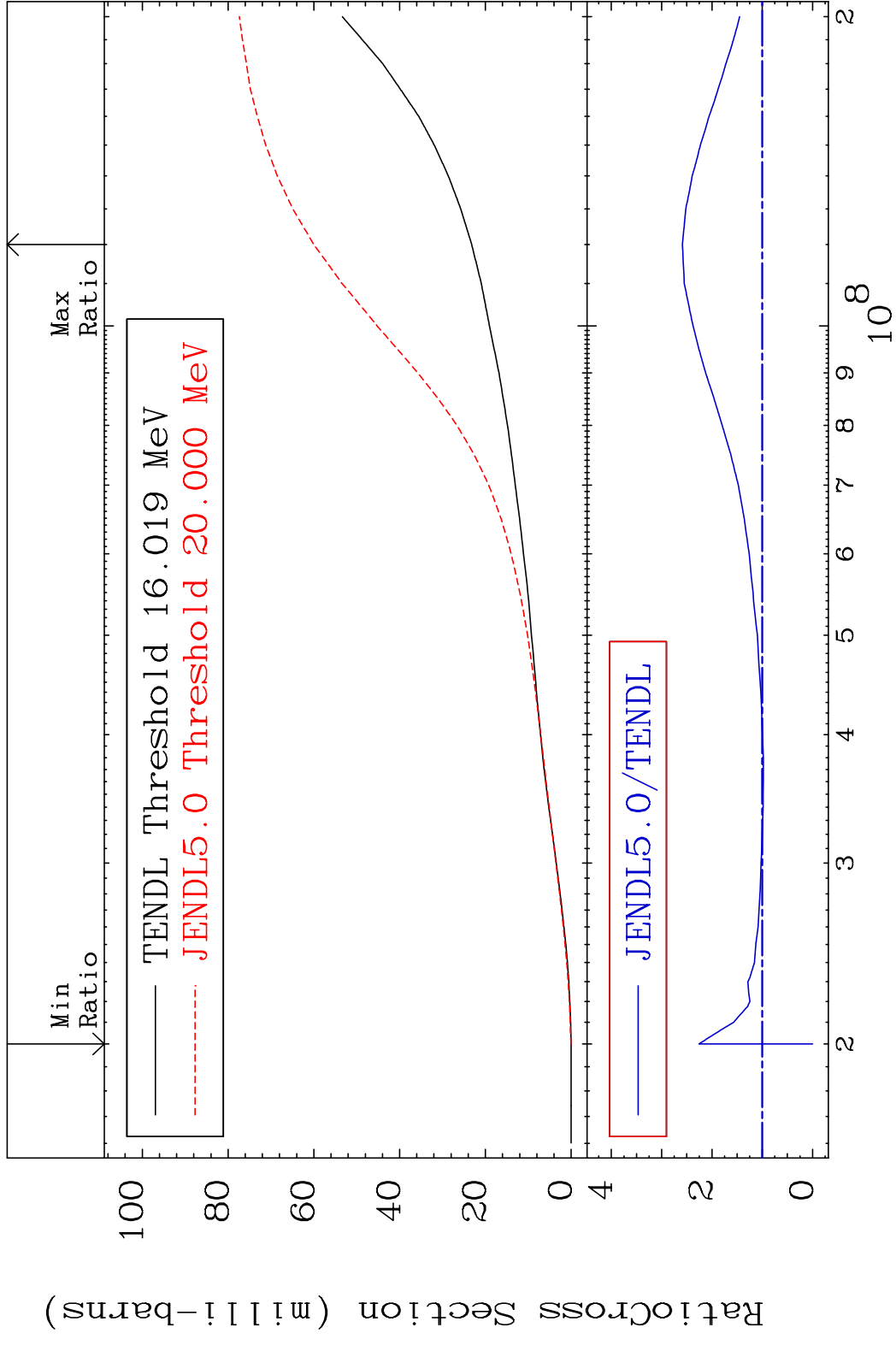
MAT 2049 Hydrogen Production 20-Ca-48
 Cross Section -100.0 To 327.8 %



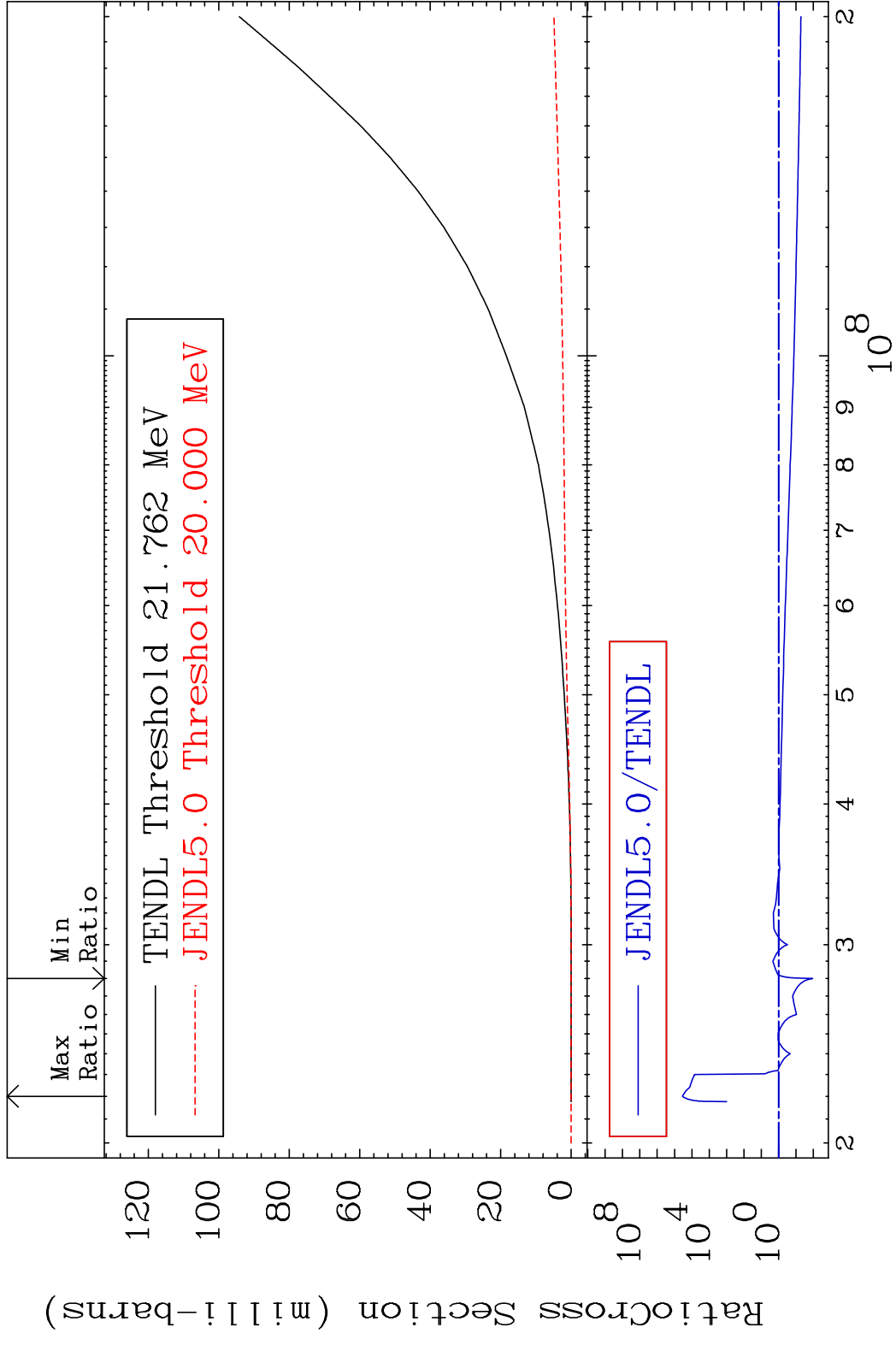
MAT 2049 Deuterium Production 20-Ca-48
 Cross Section -100.0 To -5.127%



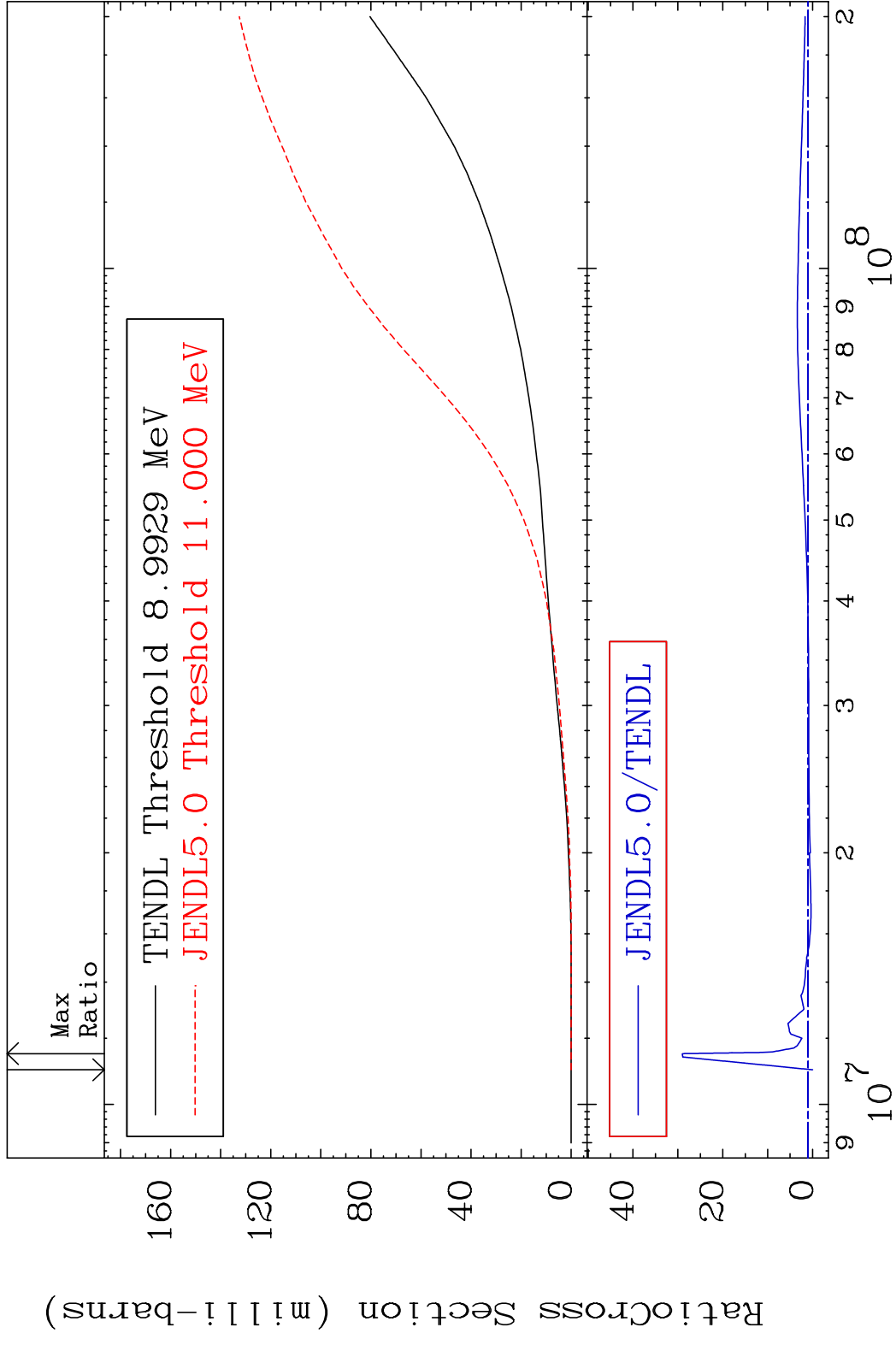
MAT 2049 Tritium Production 20-Ca-48
 Cross Section -100.0 To 158.8 %



MAT 2049 He-3 Production 20-Ca-48
 Cross Section -98.90 To 9999. %

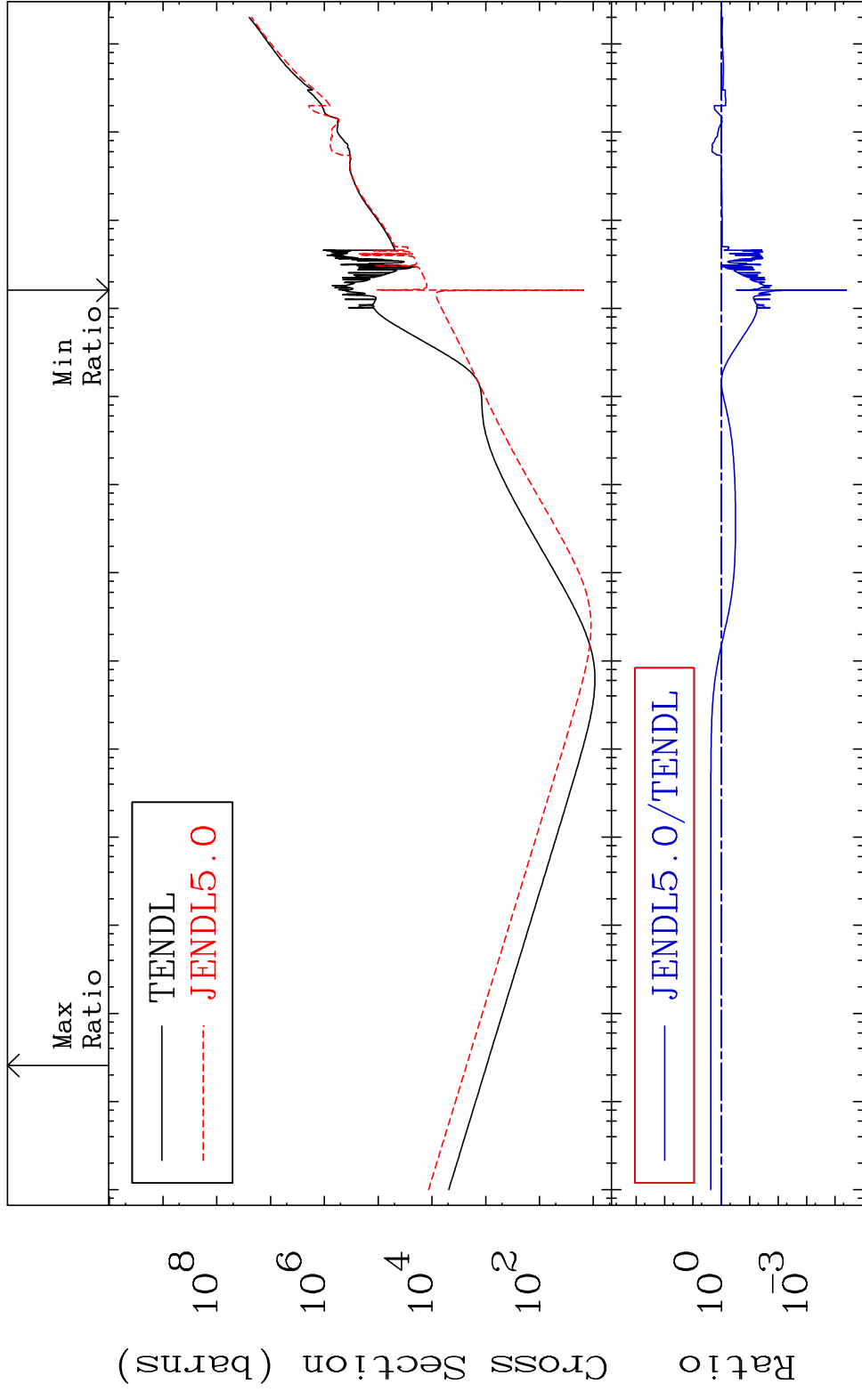


MAT 2049 He-4 Production 20-Ca-48
Cross Section -100.0 To 2800. %



28

MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 137.3 %



Ratio
 10⁸
 10⁶
 10⁴
 10²
 10⁰
 10⁻³

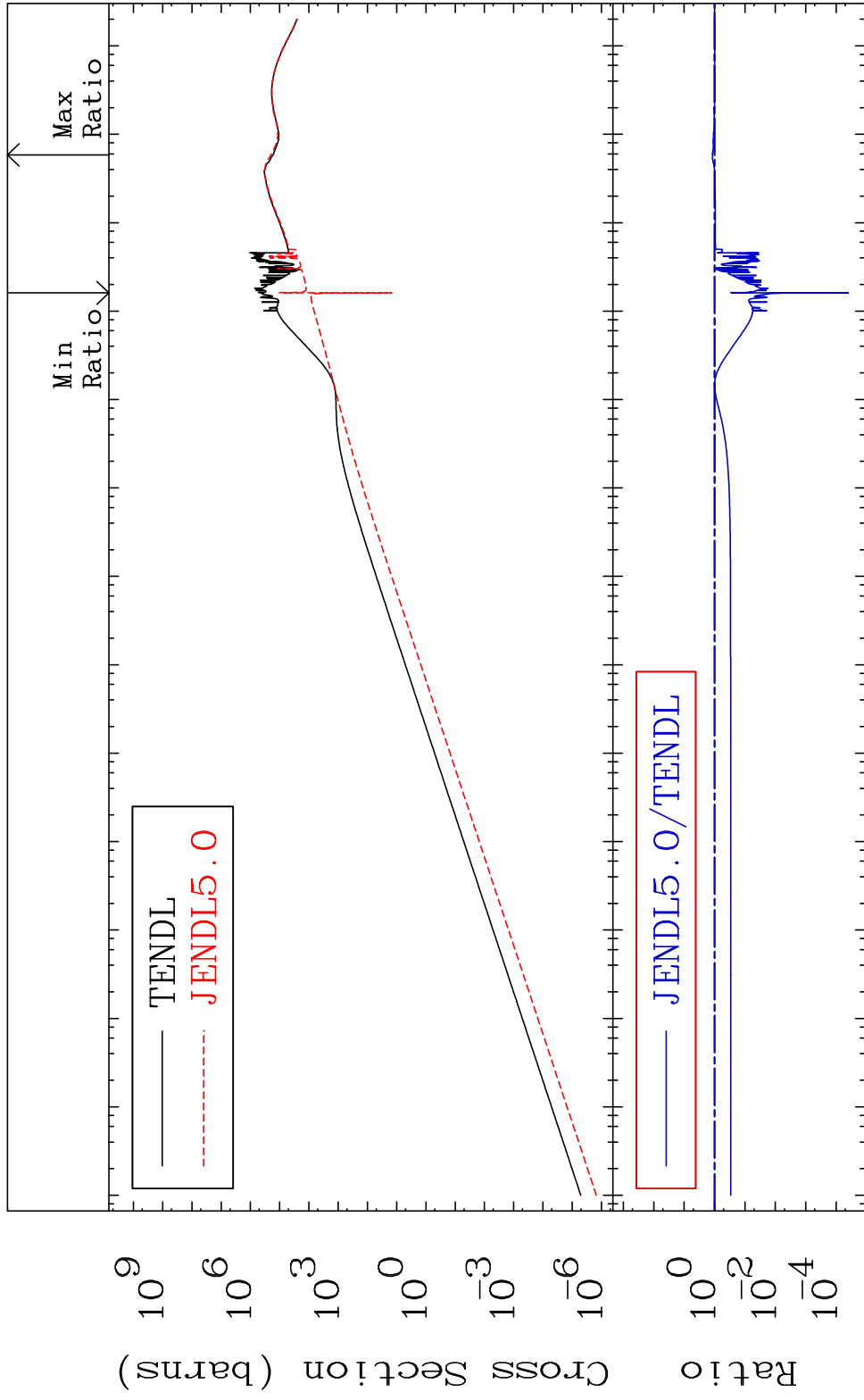
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

29 Incident Energy (eV) 20-Ca-48

MAT 2049

Kerma elastic
Cross Section

20-Ca-48
-100.0 To 17.77 %

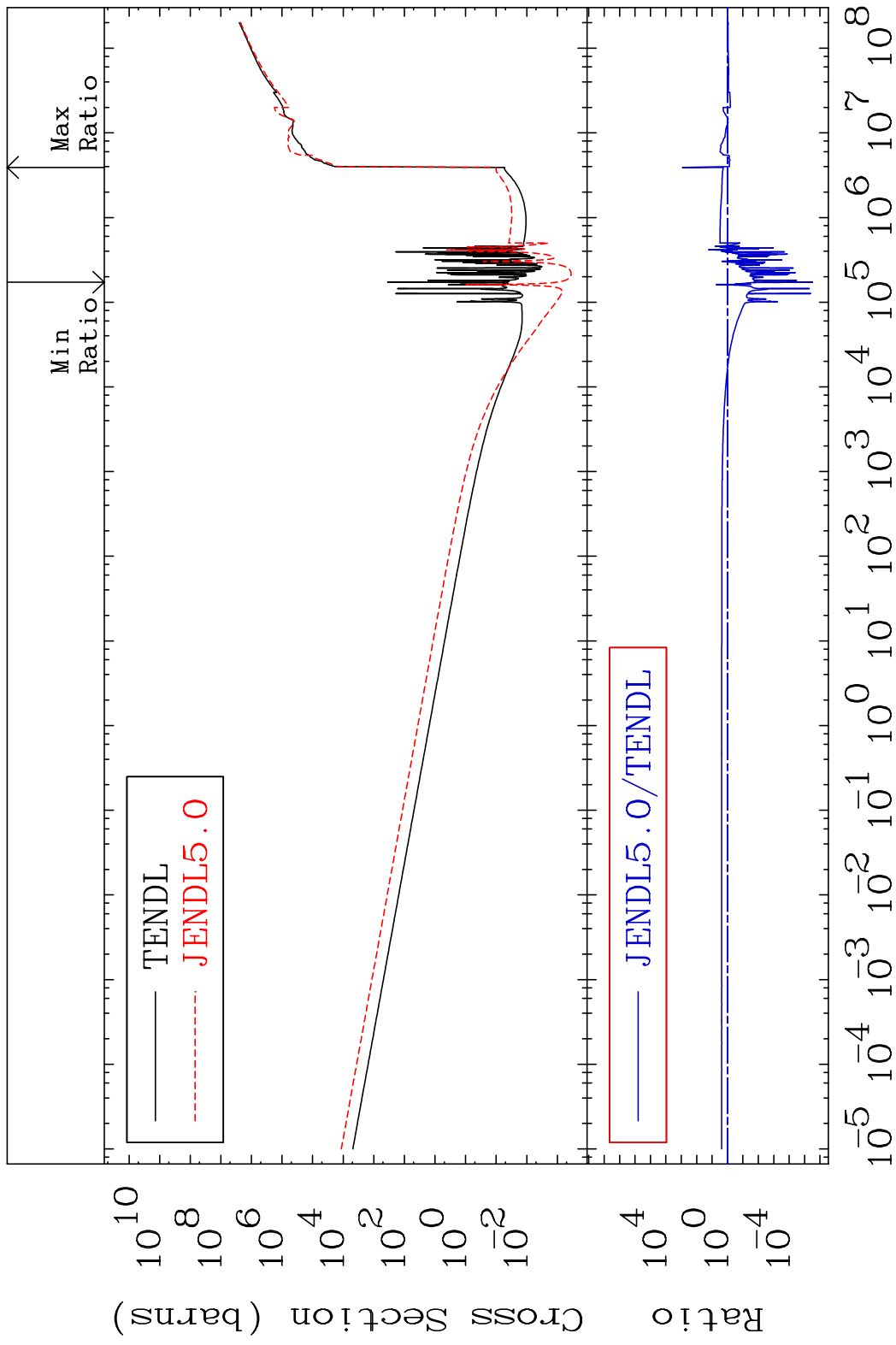


30

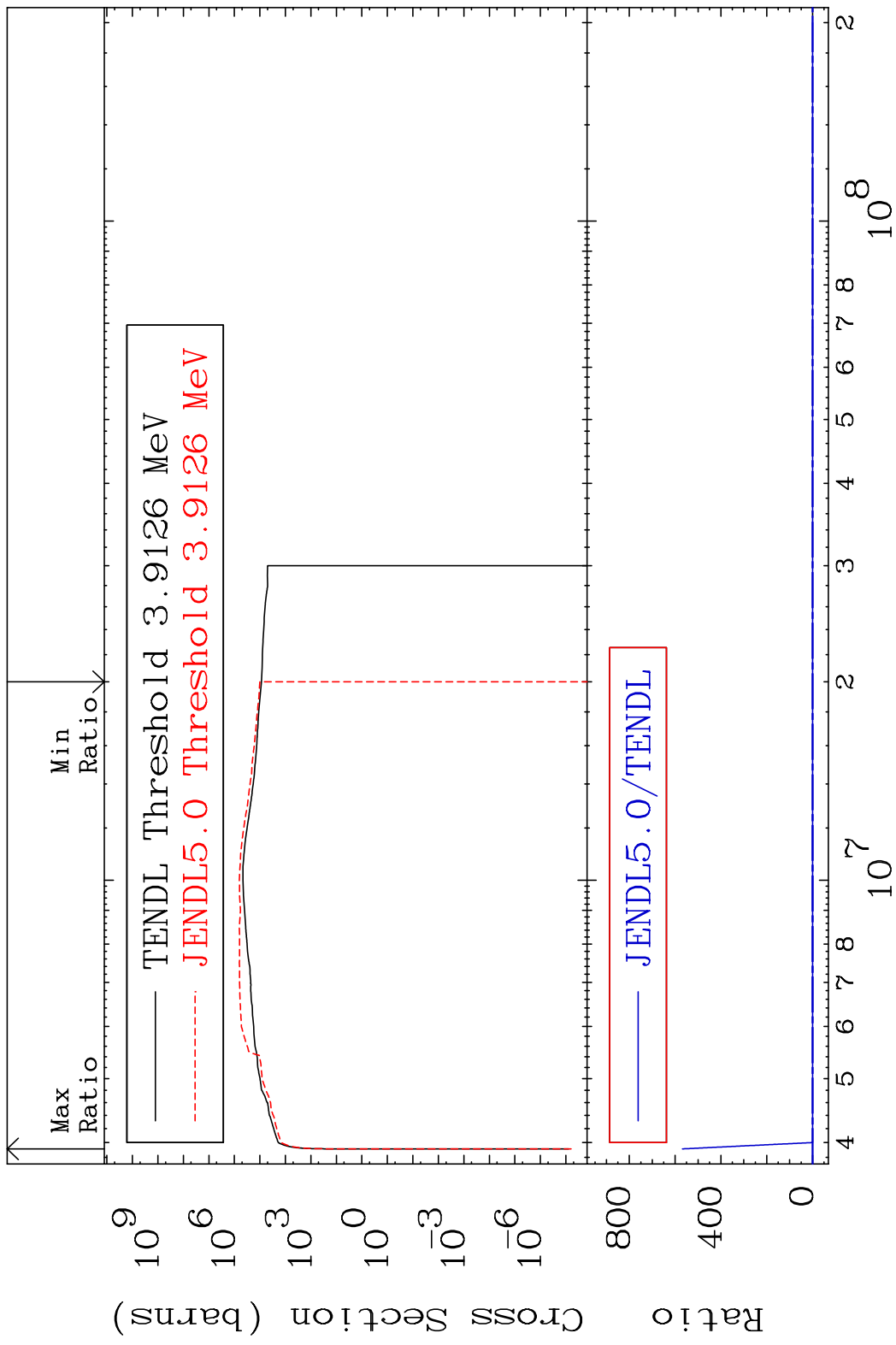
Incident Energy (eV)

20-Ca-48

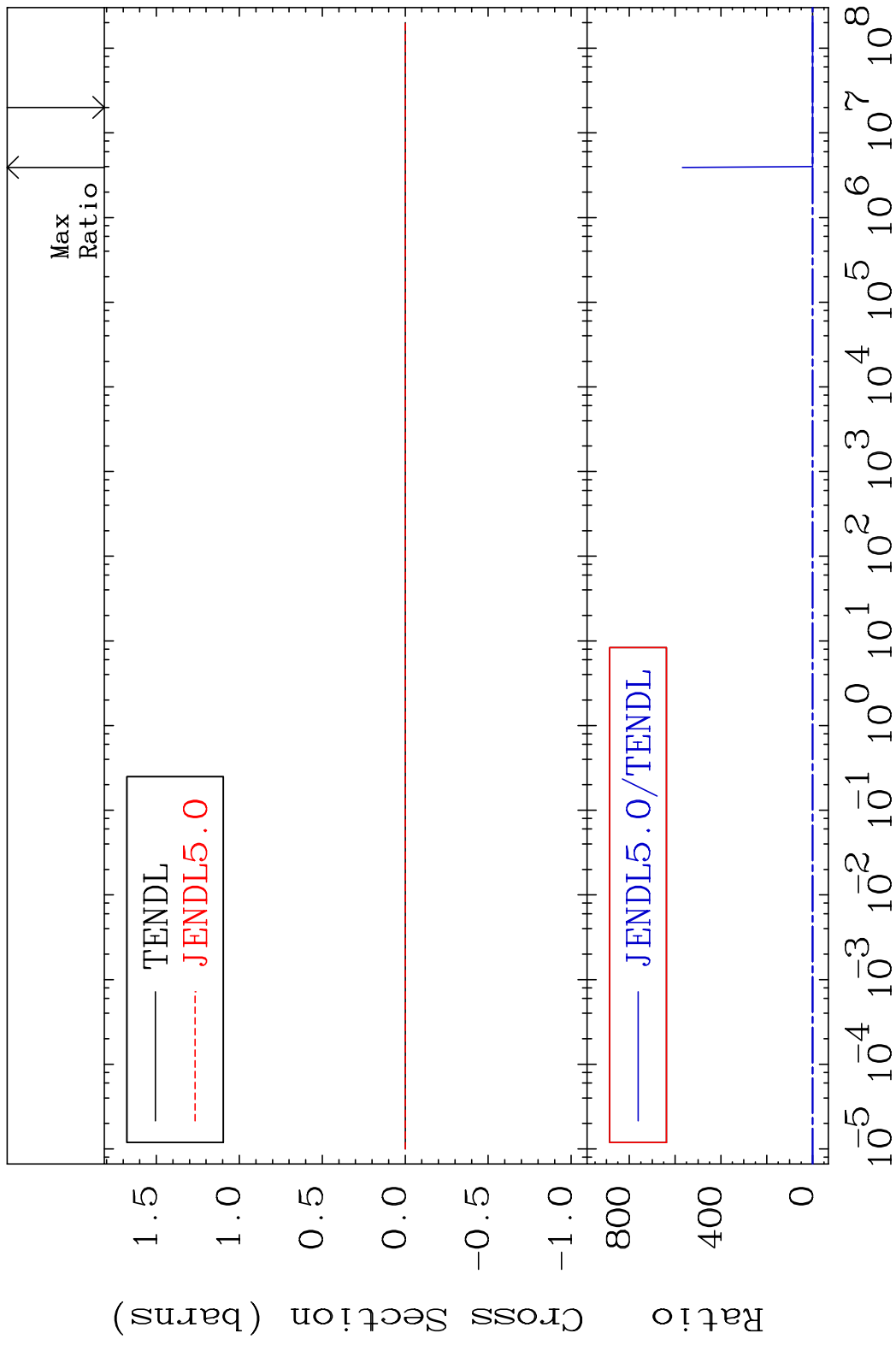
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -100.0 To 9999. %



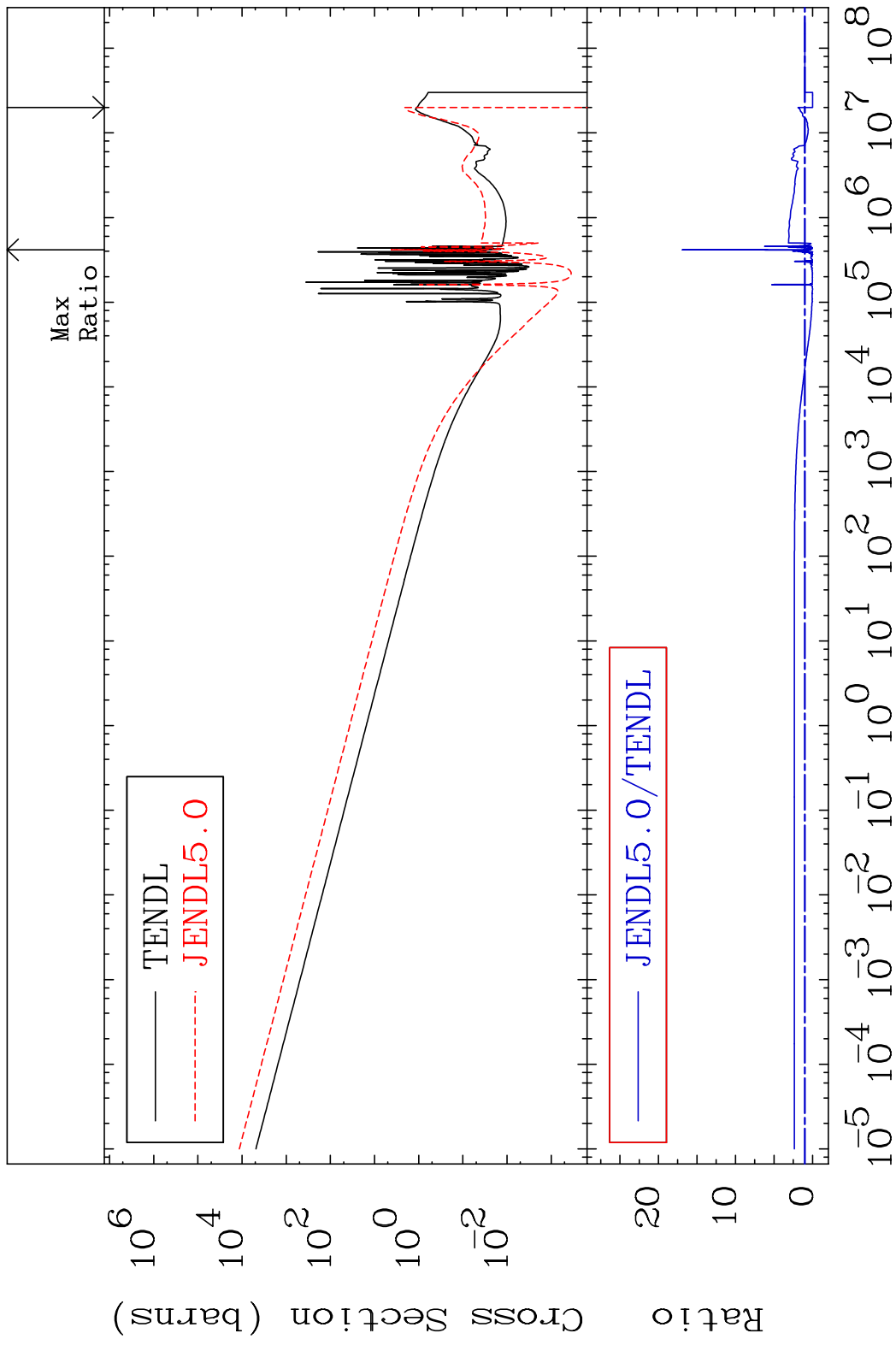
MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -100.0 To 9999. %



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

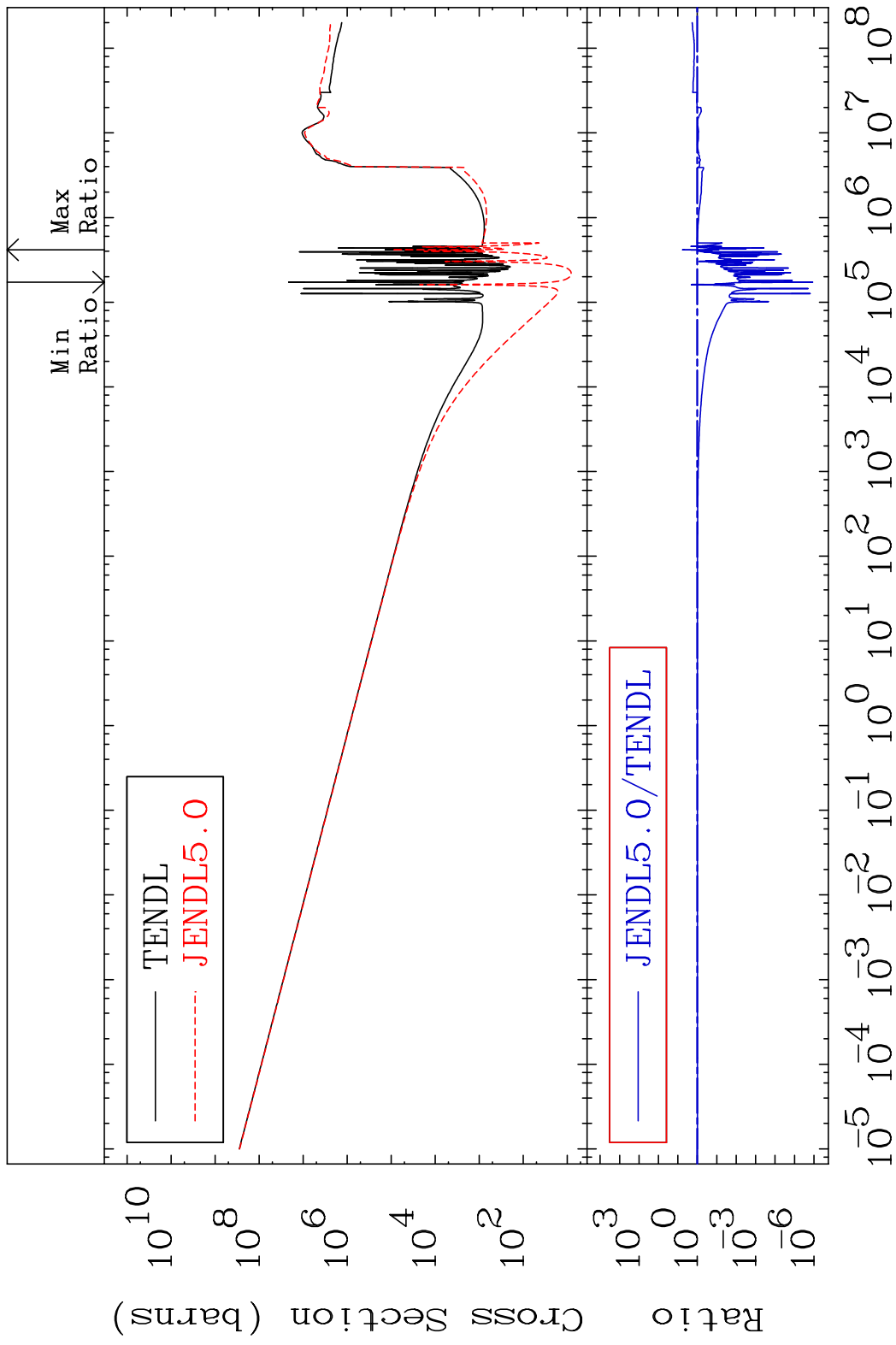


MAT 2049 Kerma capture (mt102) 20-Ca-48
 Cross Section -100.0 To 1590. %



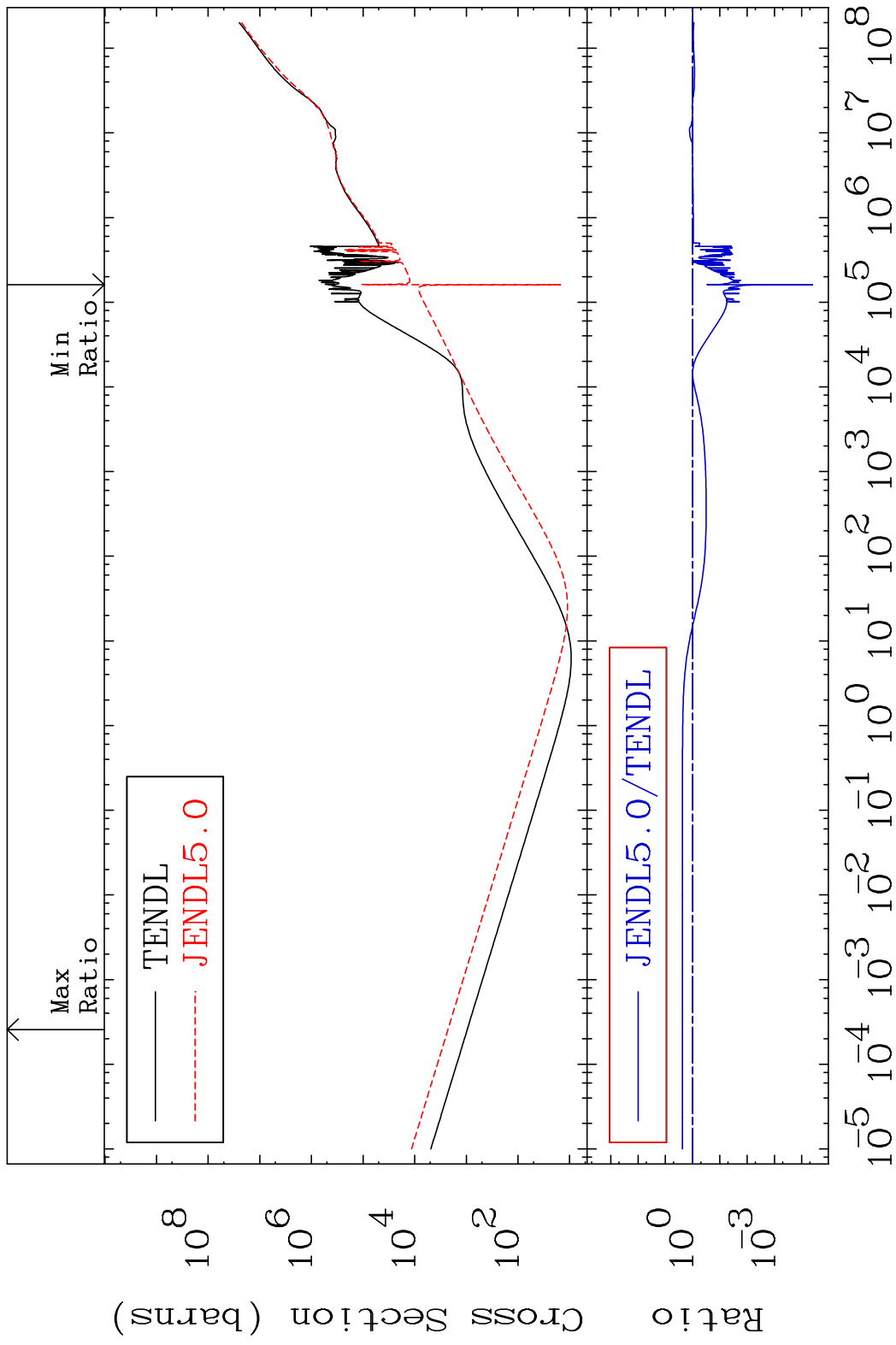
34 Incident Energy (eV) 20-Ca-48

MAT 2049 Total photon (eV-barns) 20-Ca-48
 Cross Section -100.0 To 488.5 %

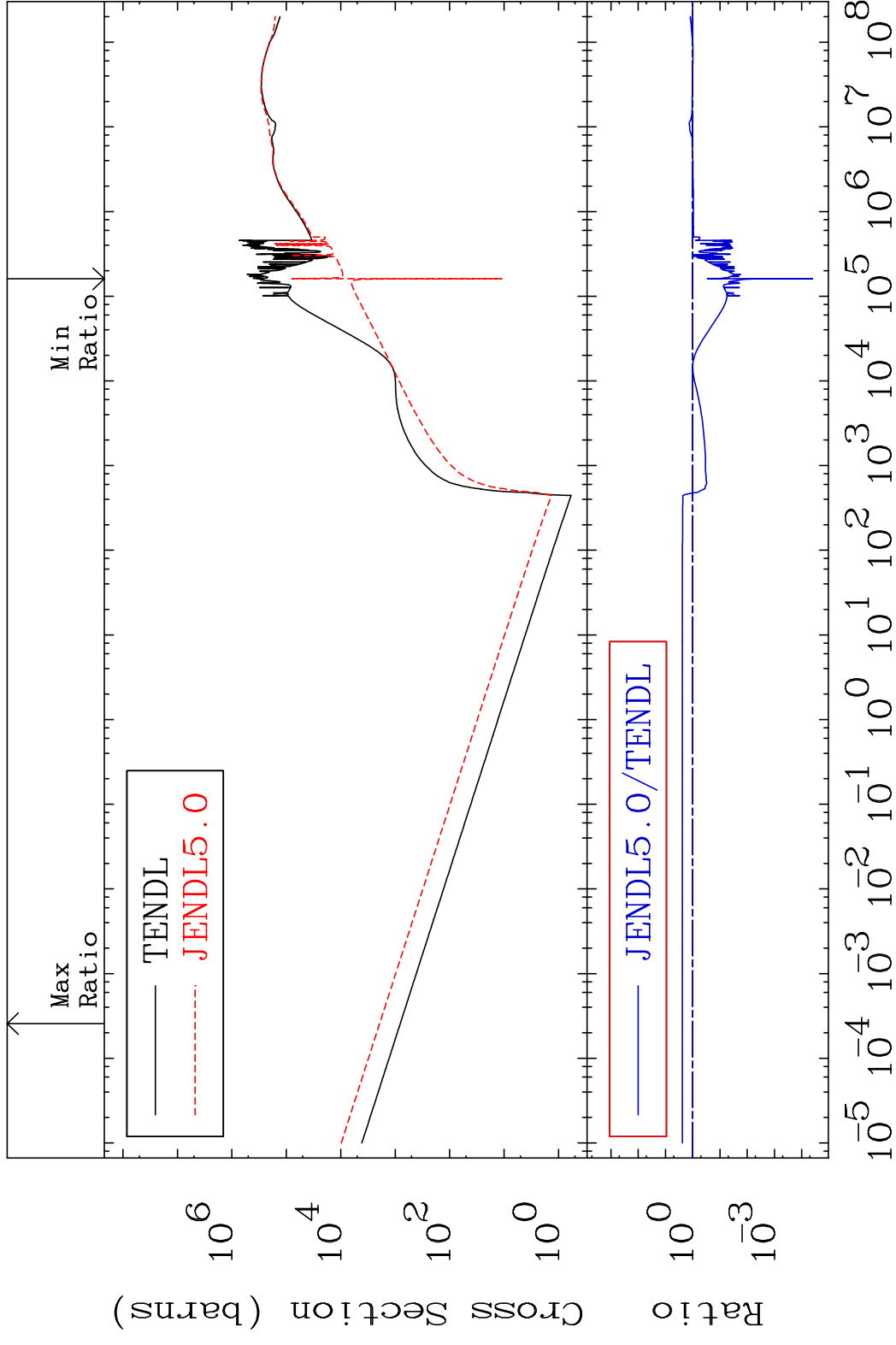


35 Incident Energy (eV) 20-Ca-48

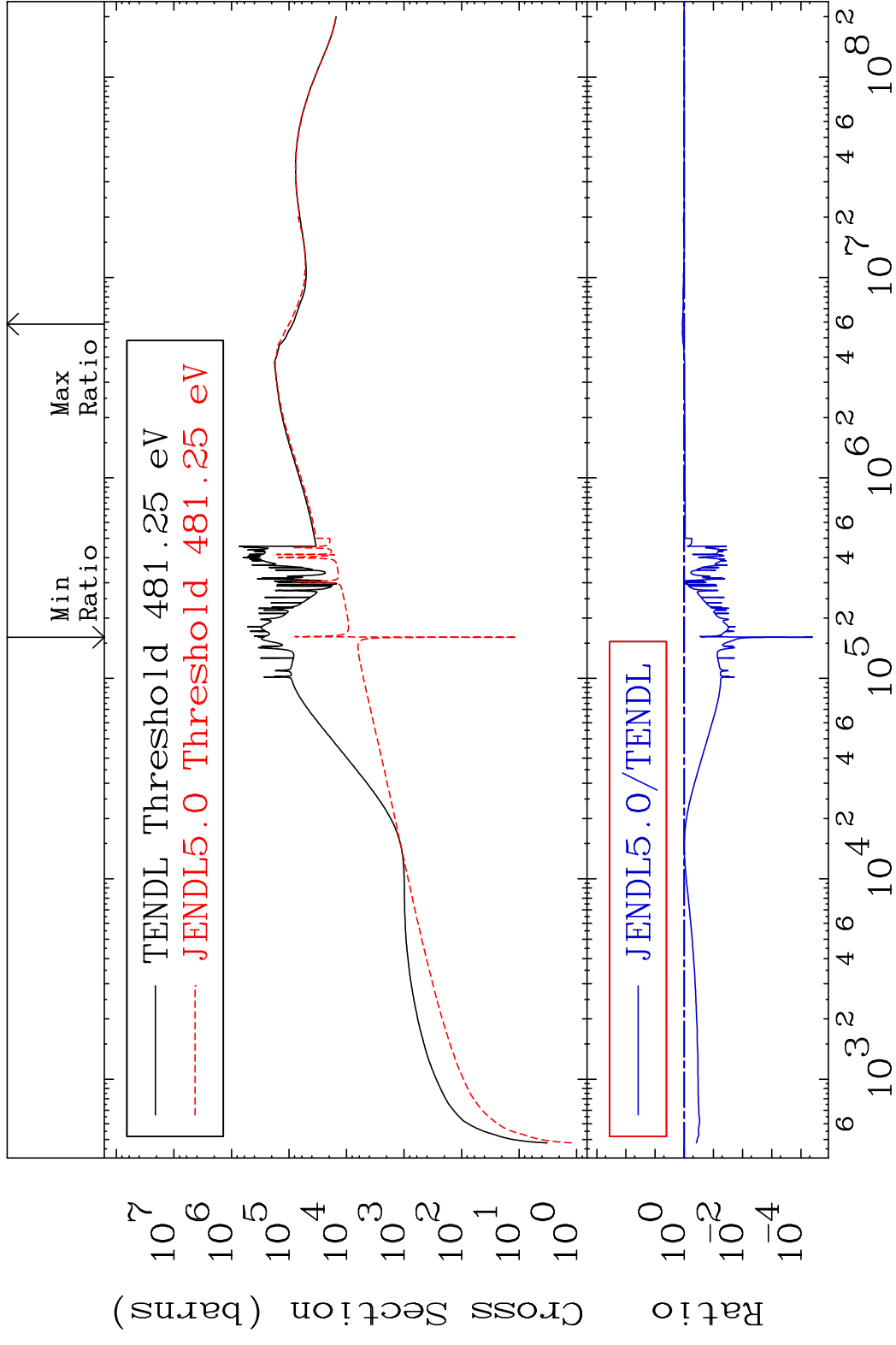
MAT 2049 Total kinematic kerma (high limit) 20-Ca-48
 Cross Section -100.0 To 137.3 %



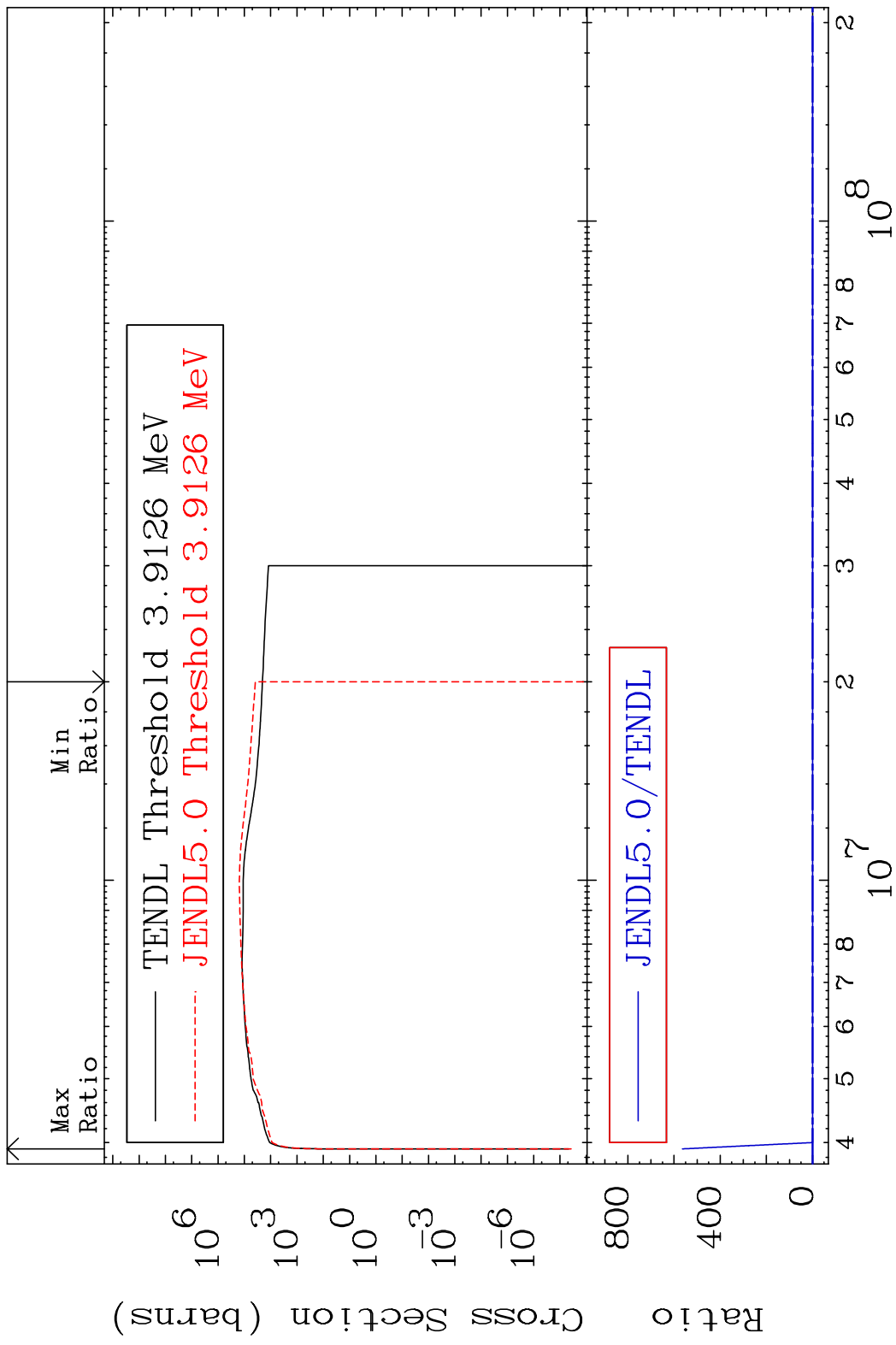
MAT 2049 Dpa total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 139.6 %



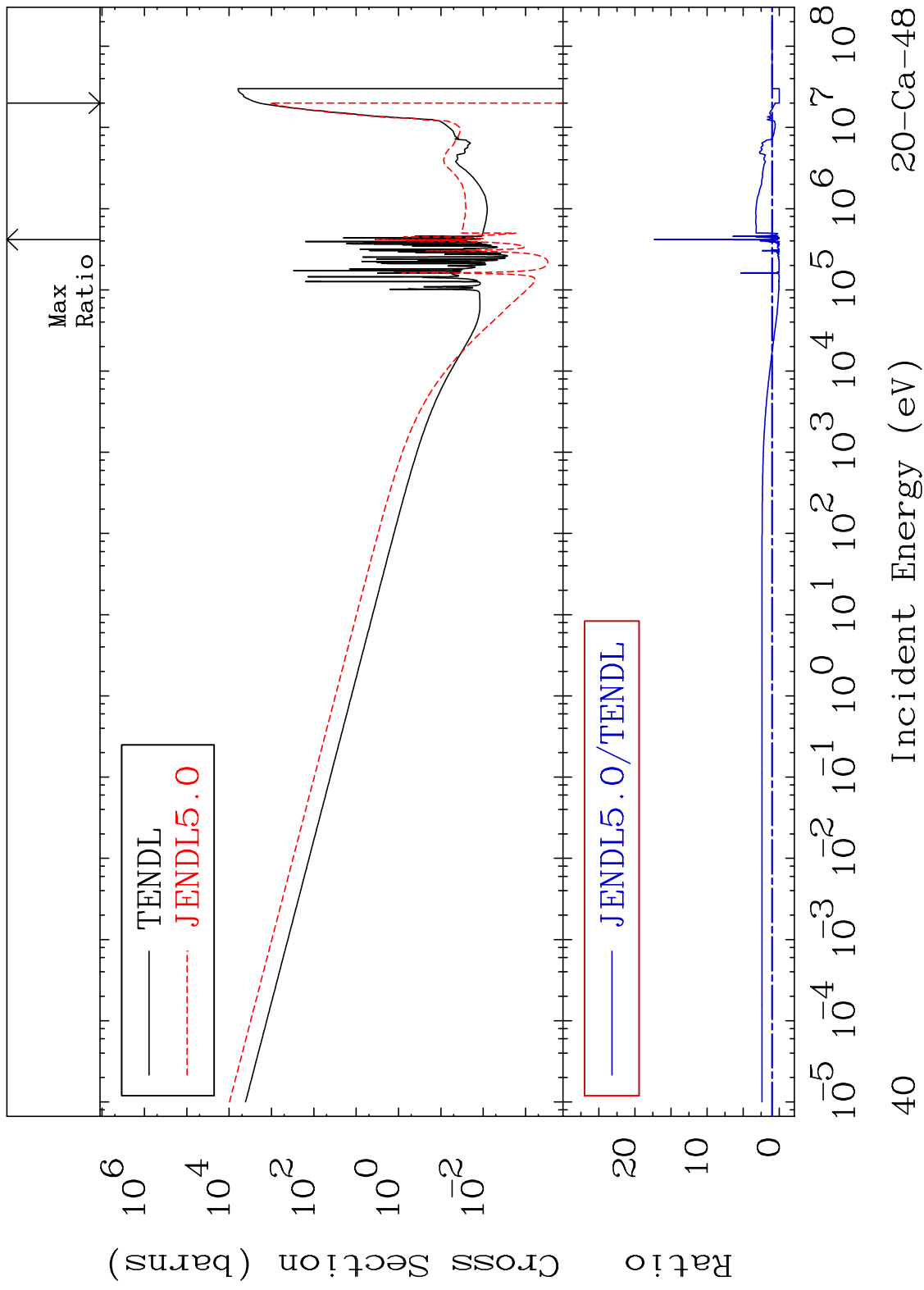
MAT 2049 Dpa elastic (mt2) 20-Ca-48
 Cross Section -100.0 To 16.05 %



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

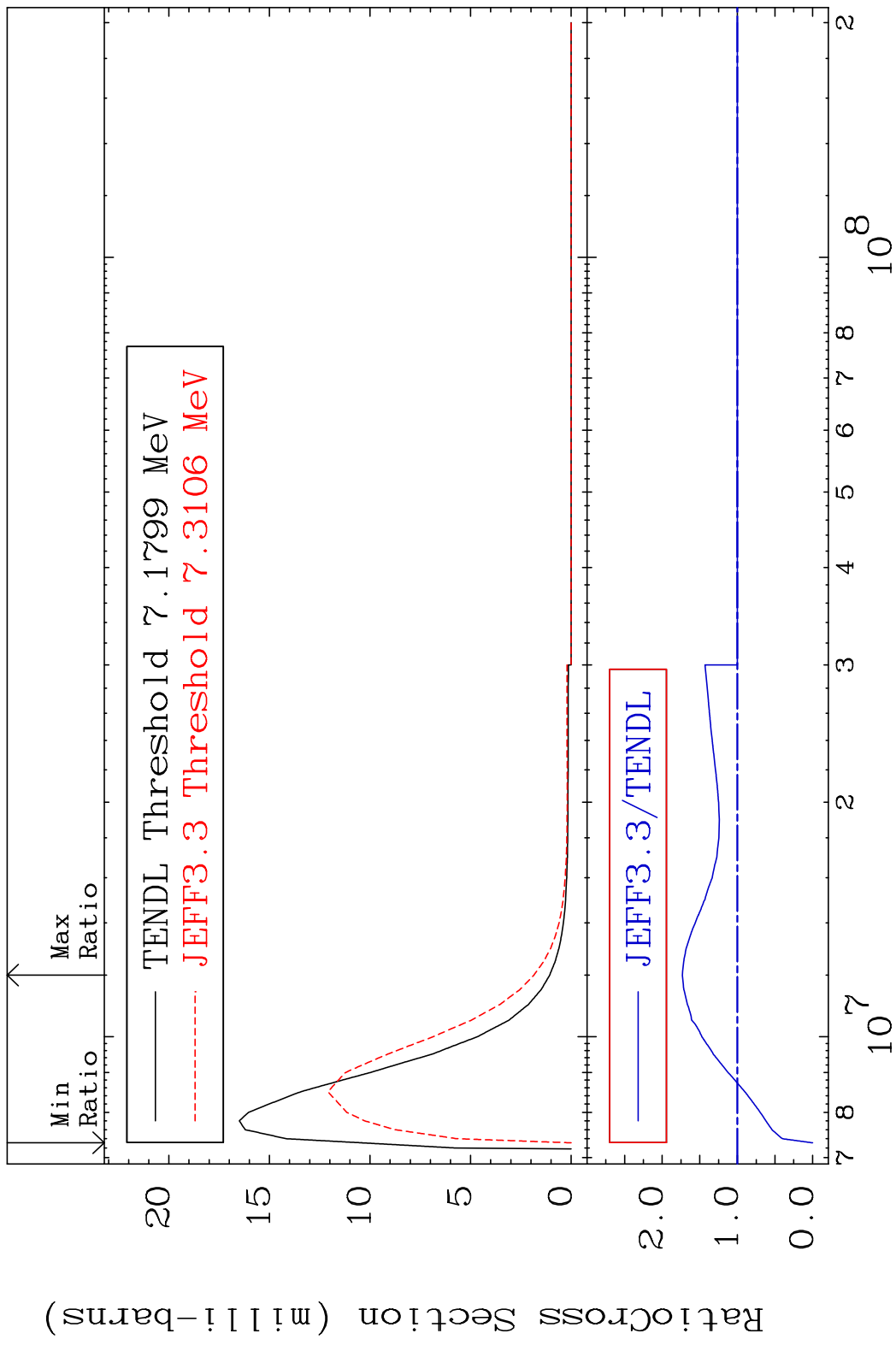


MAT 2049 Dpa disappearance (mt102 -120) 20-Ca-48
 Cross Section -100.0 To 1631. %



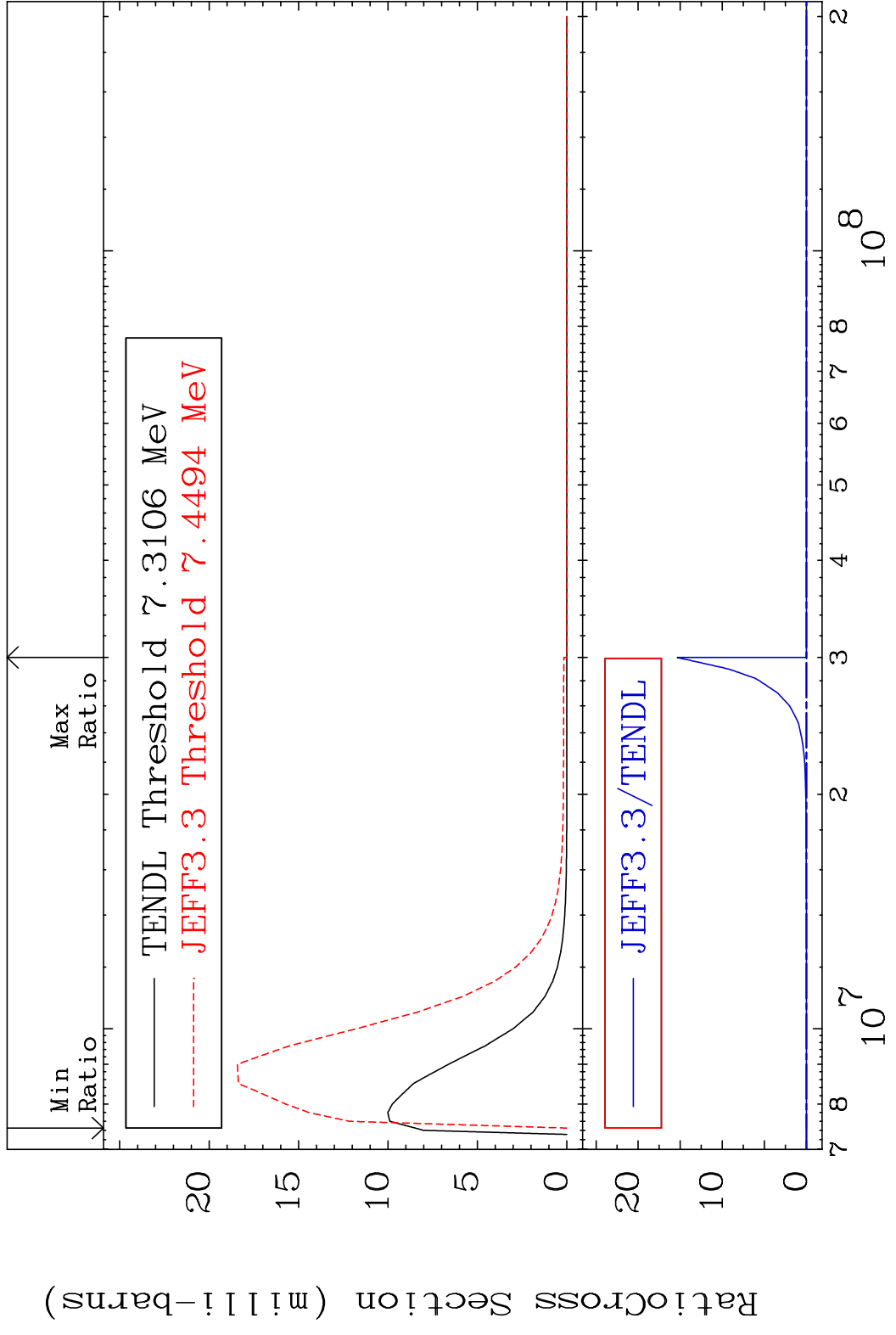
40 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 79 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 73.18 %



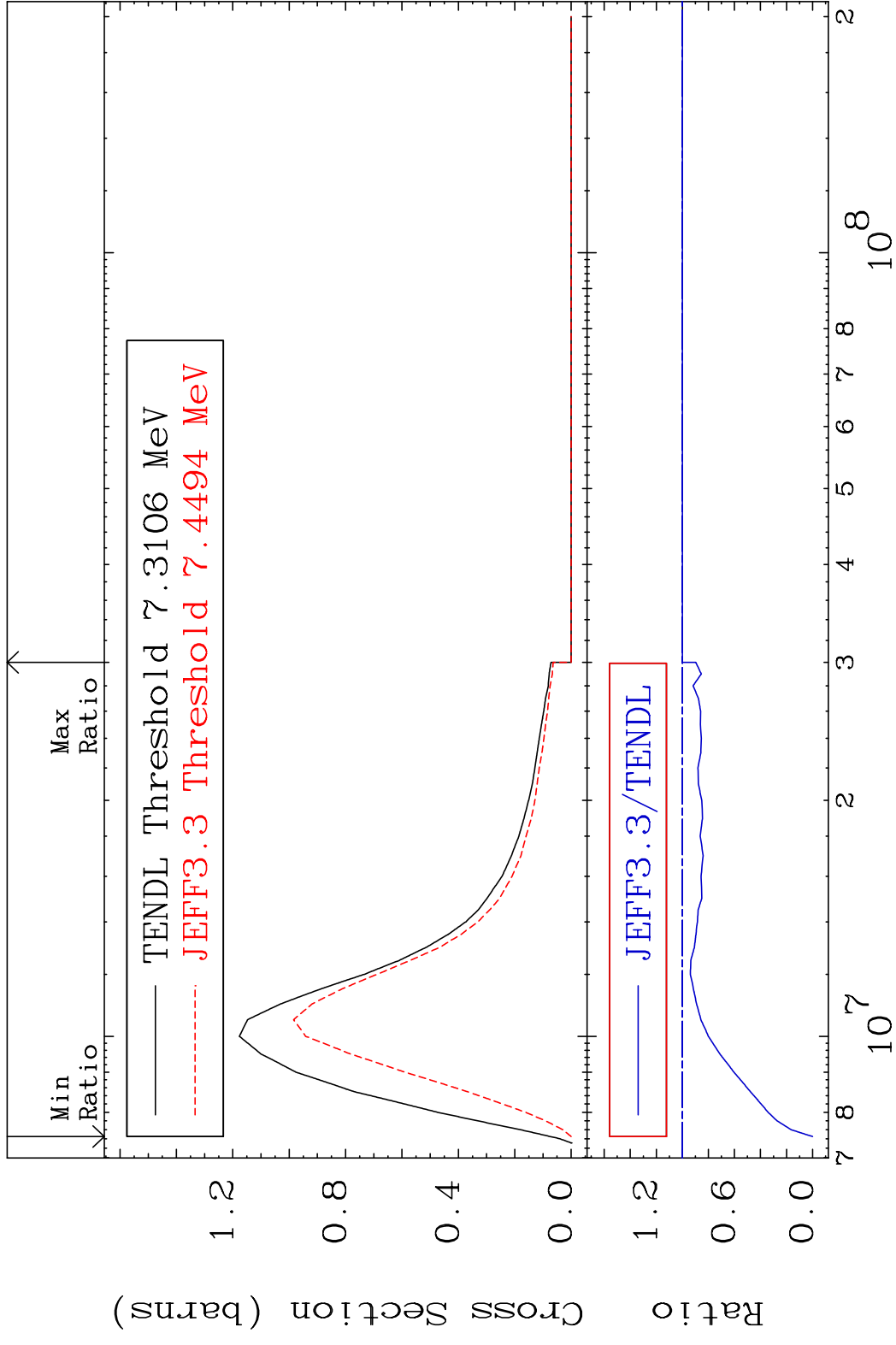
41 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 80 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 20-Ca-48

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



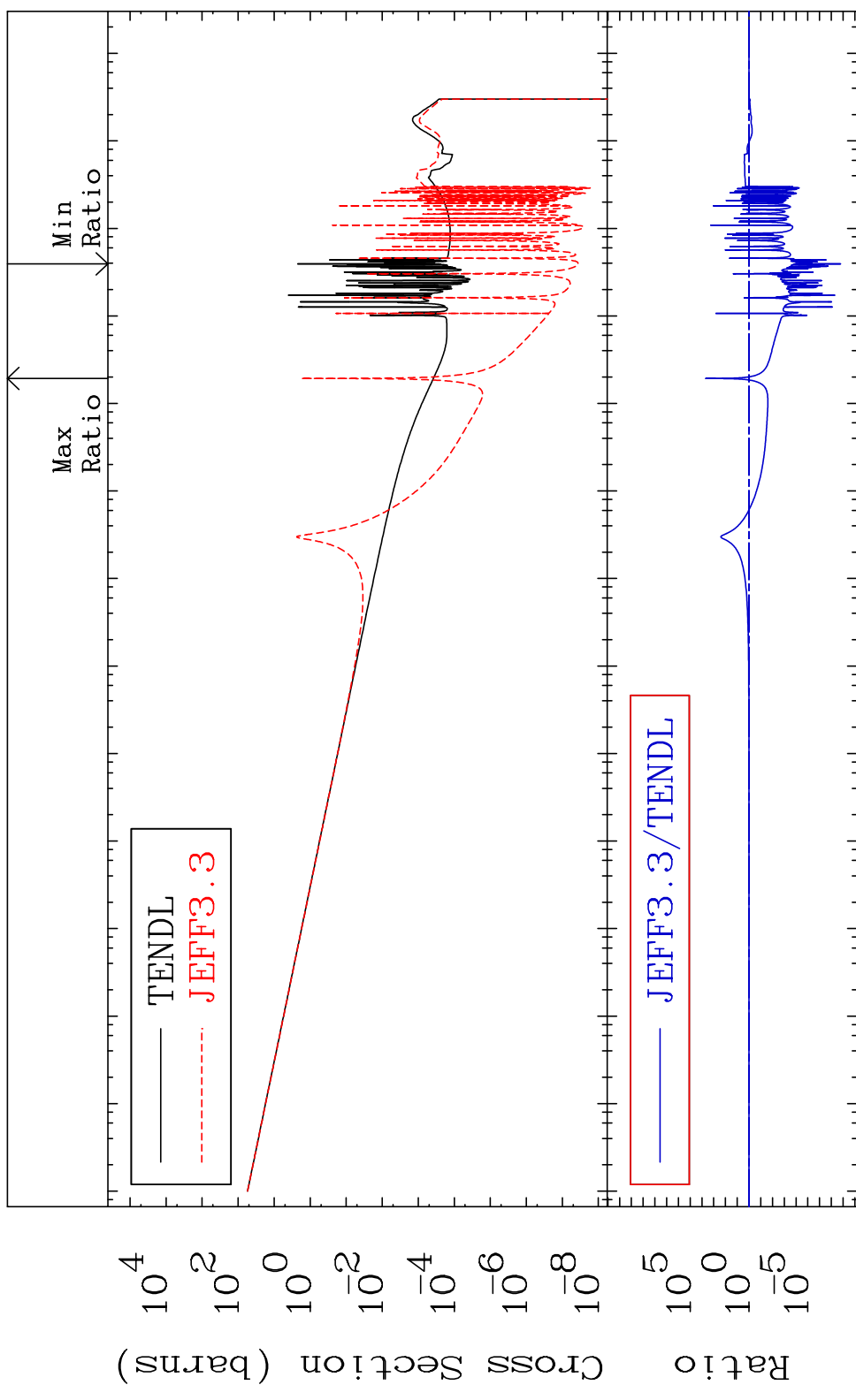
43 20-Ca-48

MAT 2049

(n, γ)

20-Ca-48

Cross Section -100.0 To 9999. %

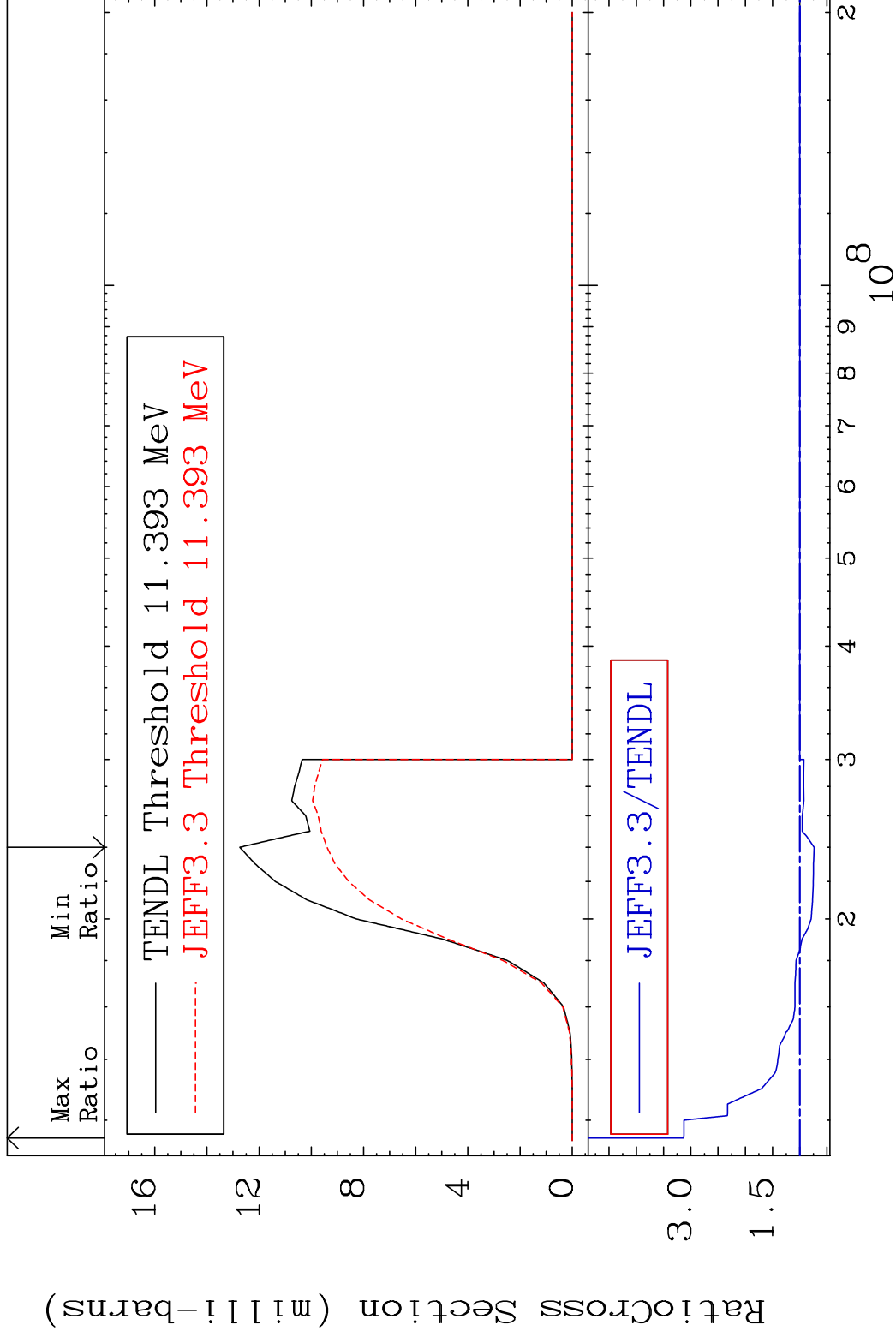


MAT 2049

(n,p)

20-Ca-48

Cross Section -26.24 To 213.1 %



45

Incident Energy (eV)

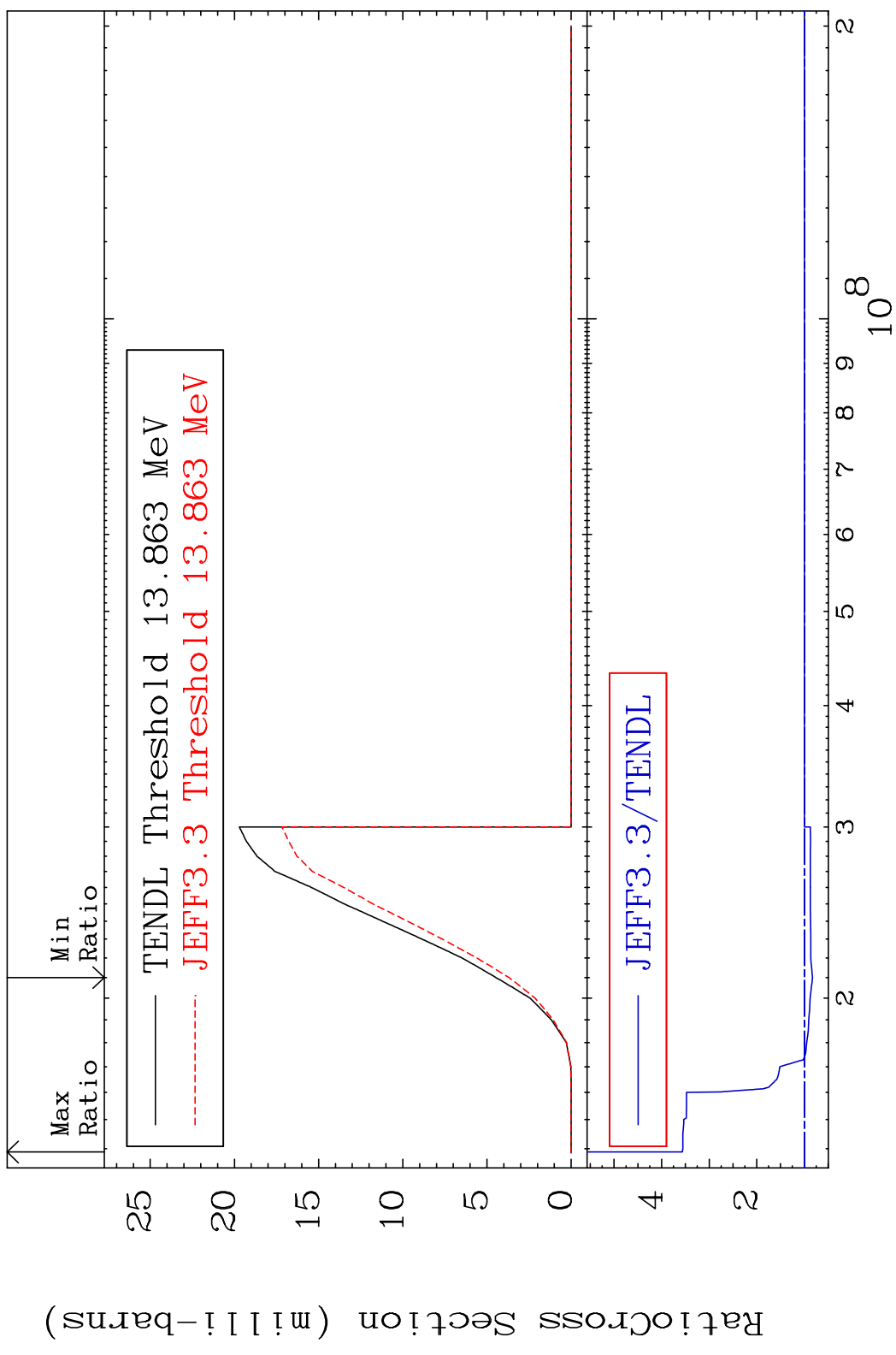
20-Ca-48

MAT 2049

(n, d)

20-Ca-48

Cross Section -17.35 To 256.4 %

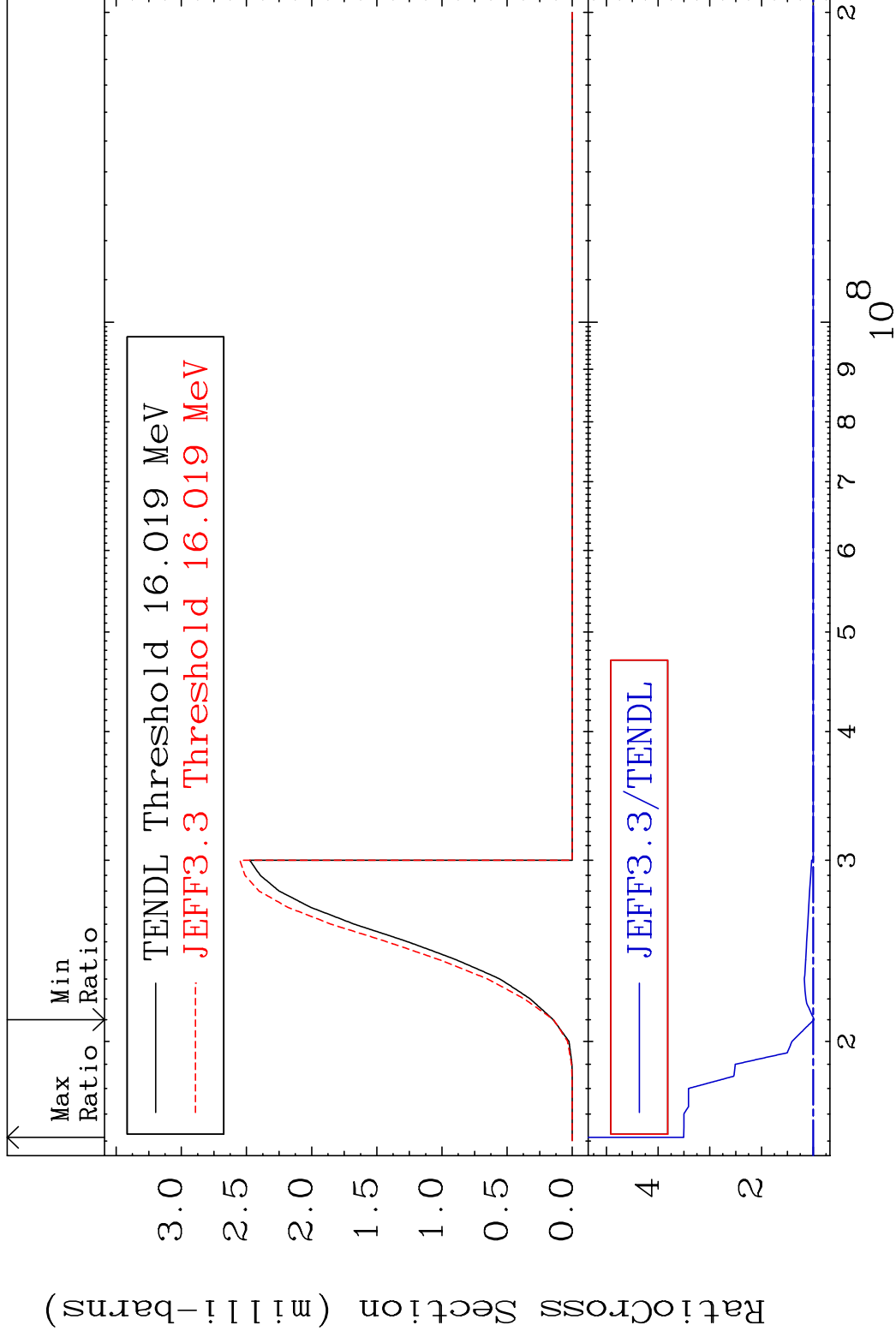


MAT 2049

(n, t)

20-Ca-48

Cross Section -1.752 To 250.7 %

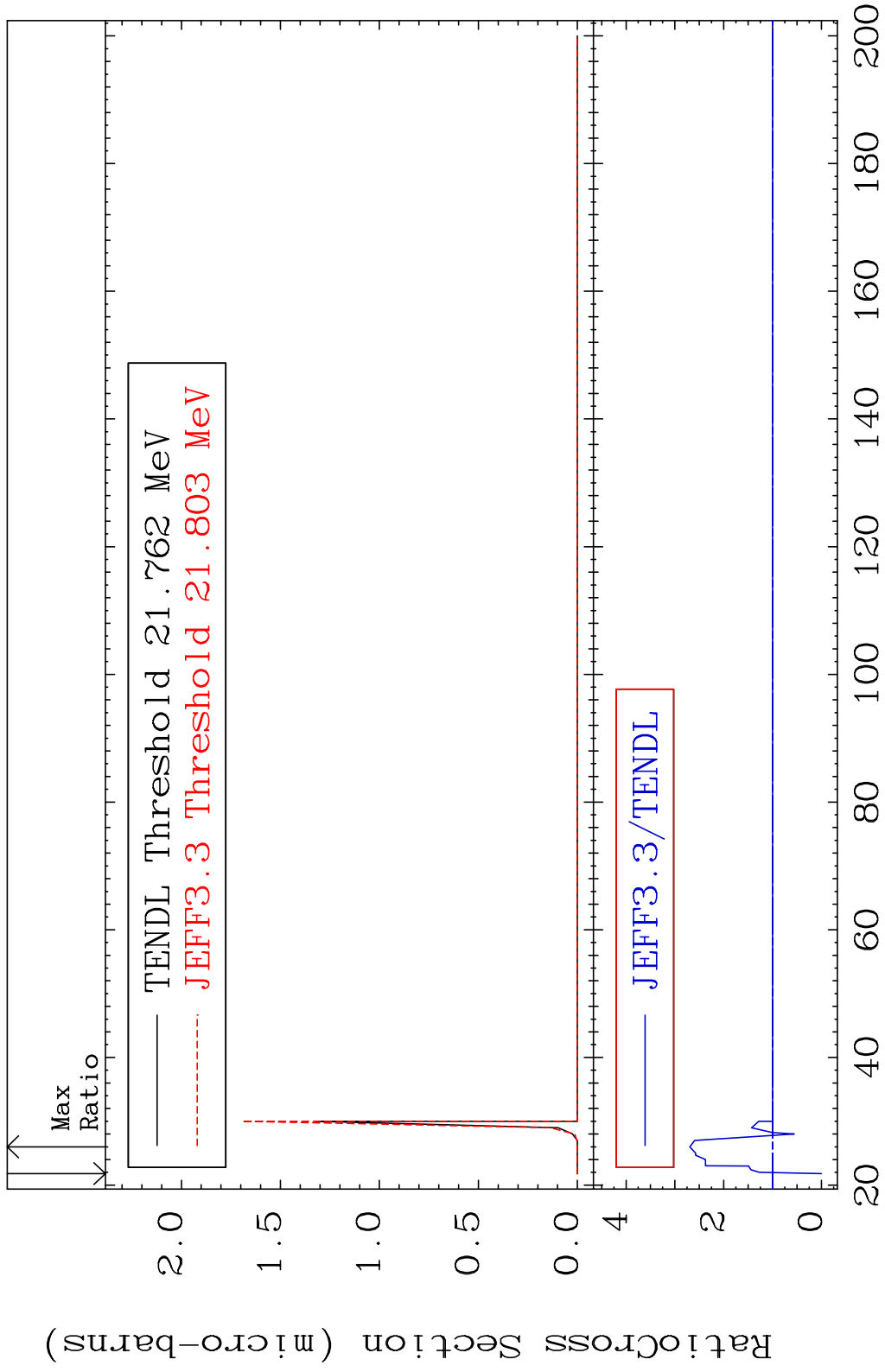


47

Incident Energy (eV)

20-Ca-48

MAT 2049 (n, He-3) 20-Ca-48
Cross Section -100.0 To 169.6 %



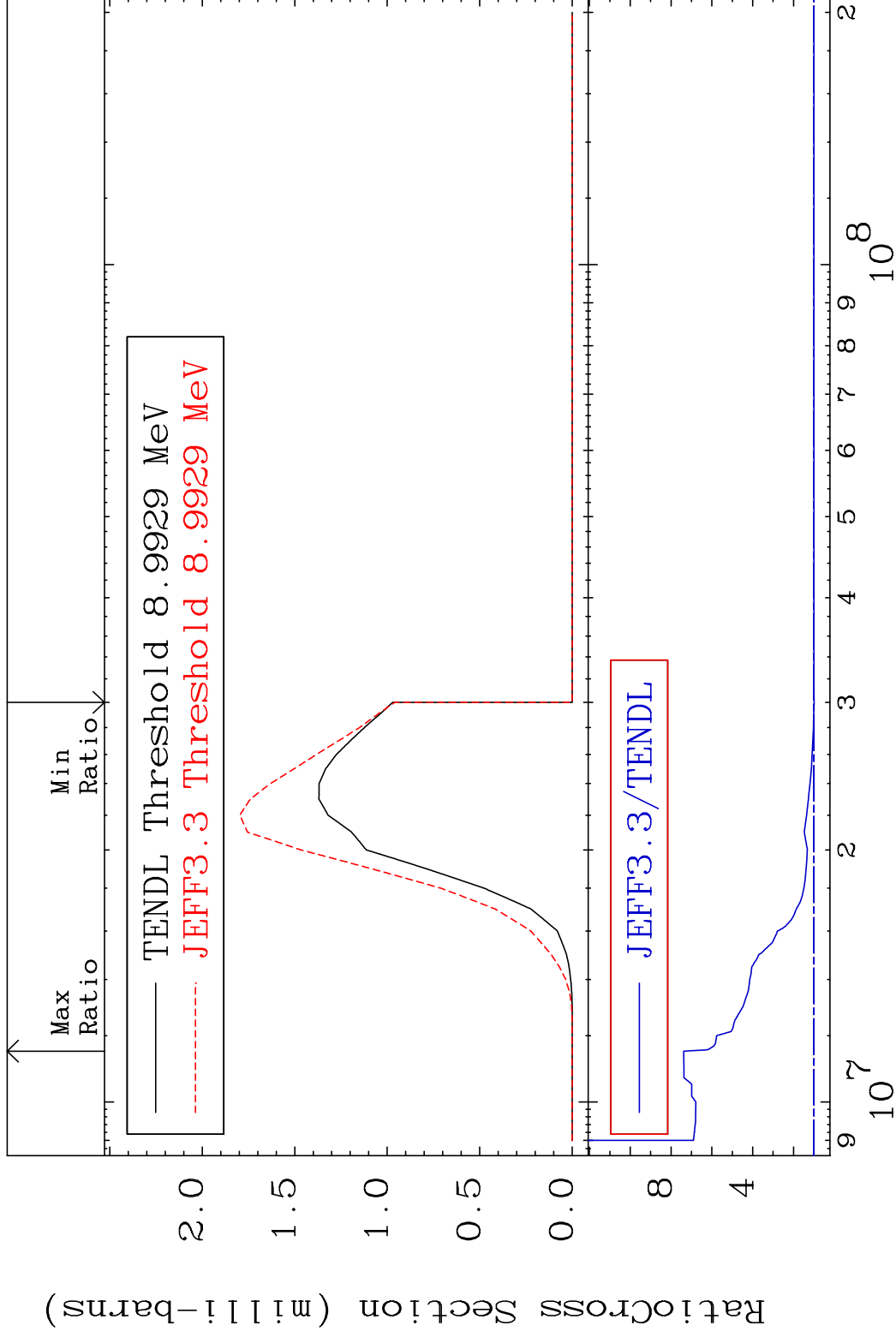
48 Incident Energy (MeV) 20-Ca-48

MAT 2049

(n, α)

20-Ca-48

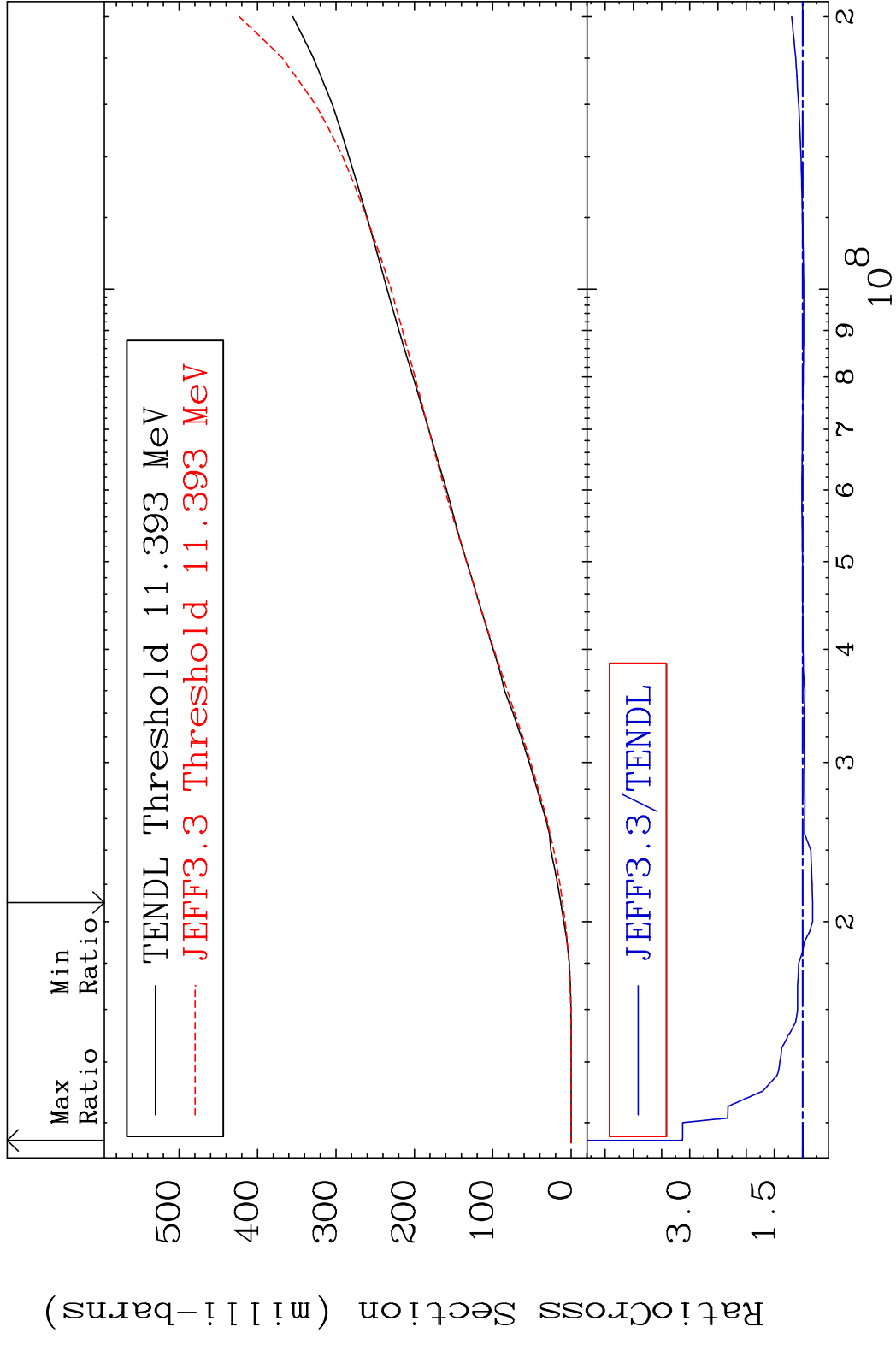
Cross Section -1.027 To 638.3 %

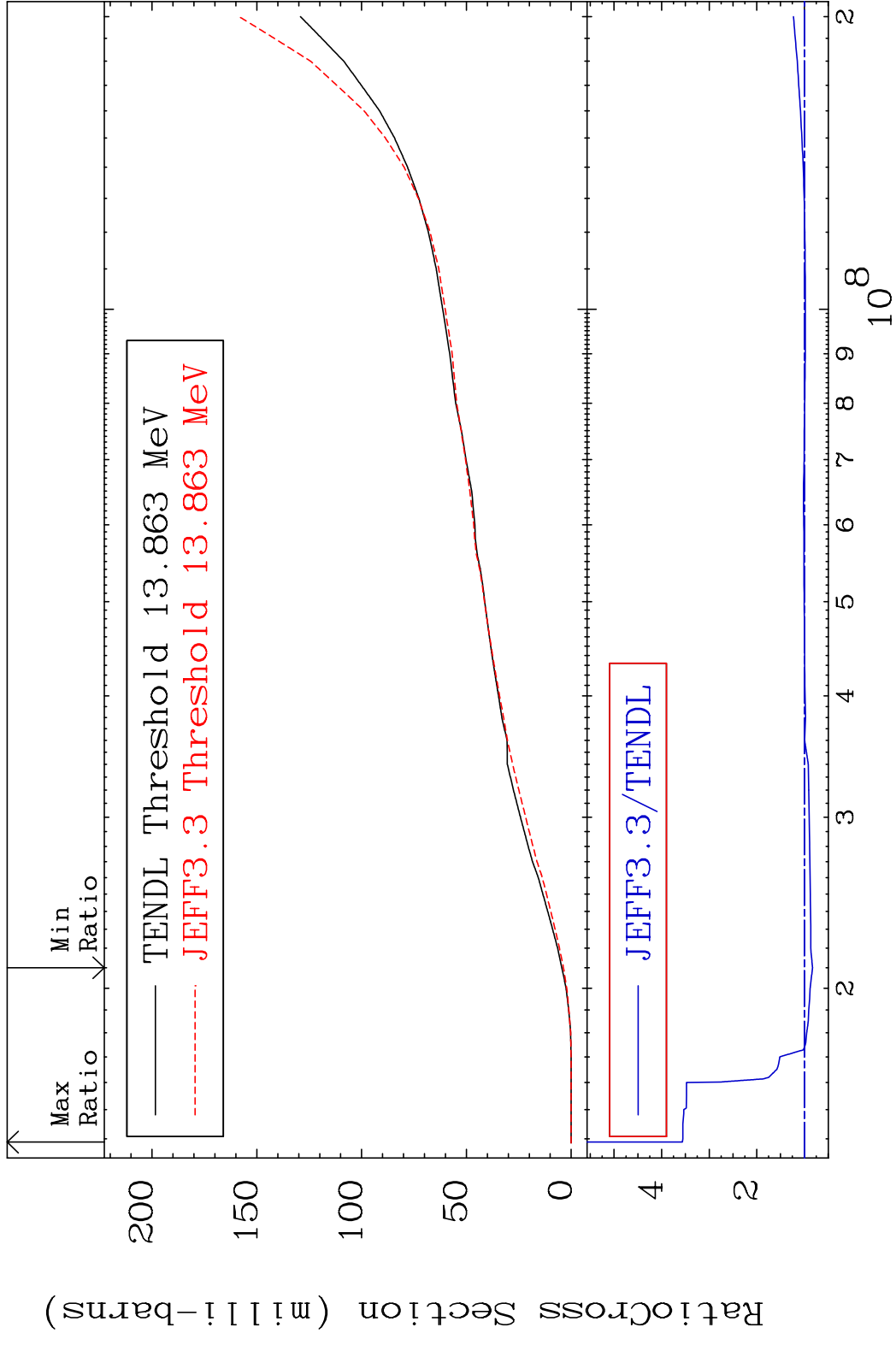


49

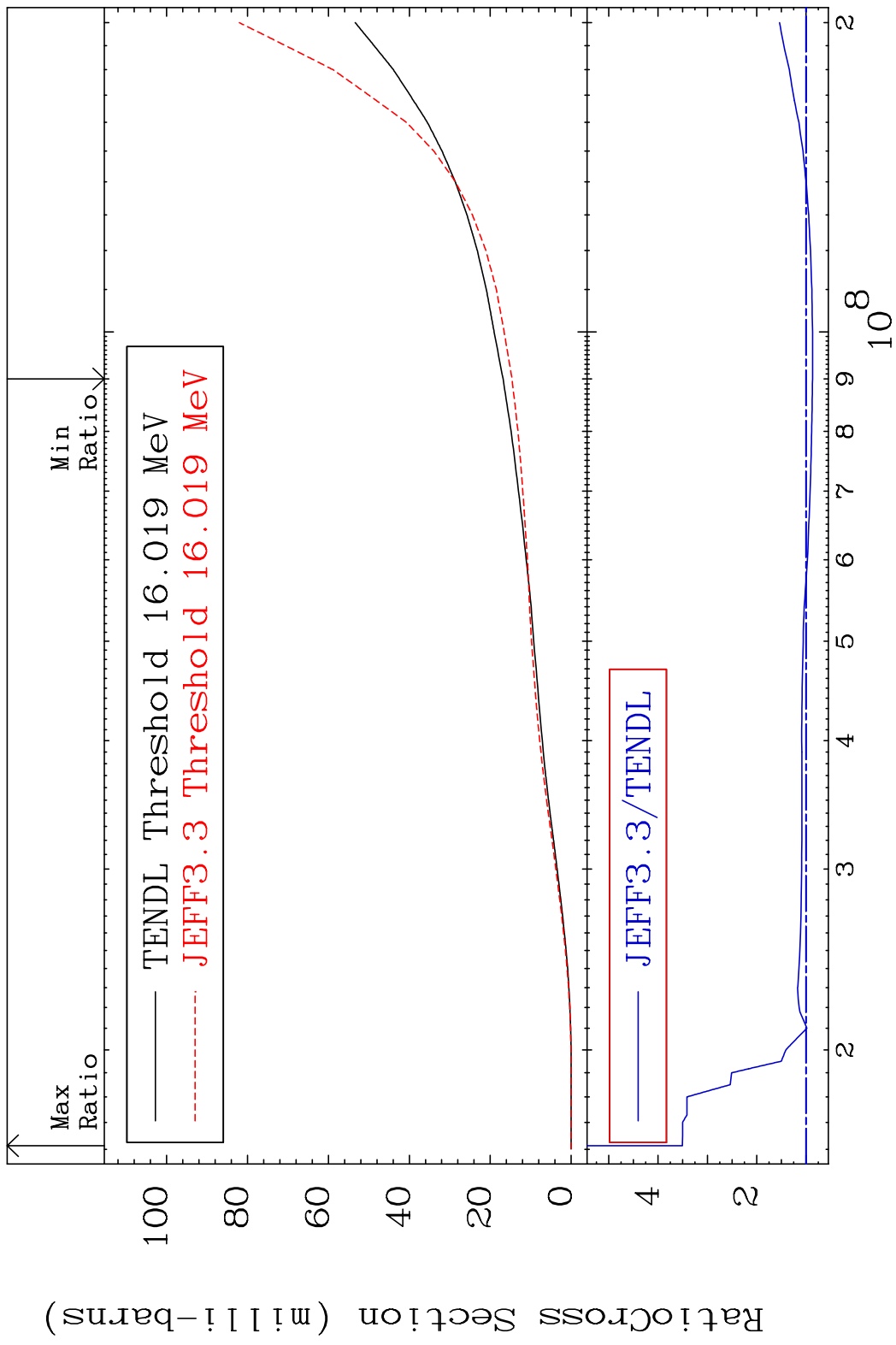
Incident Energy (eV)

20-Ca-48

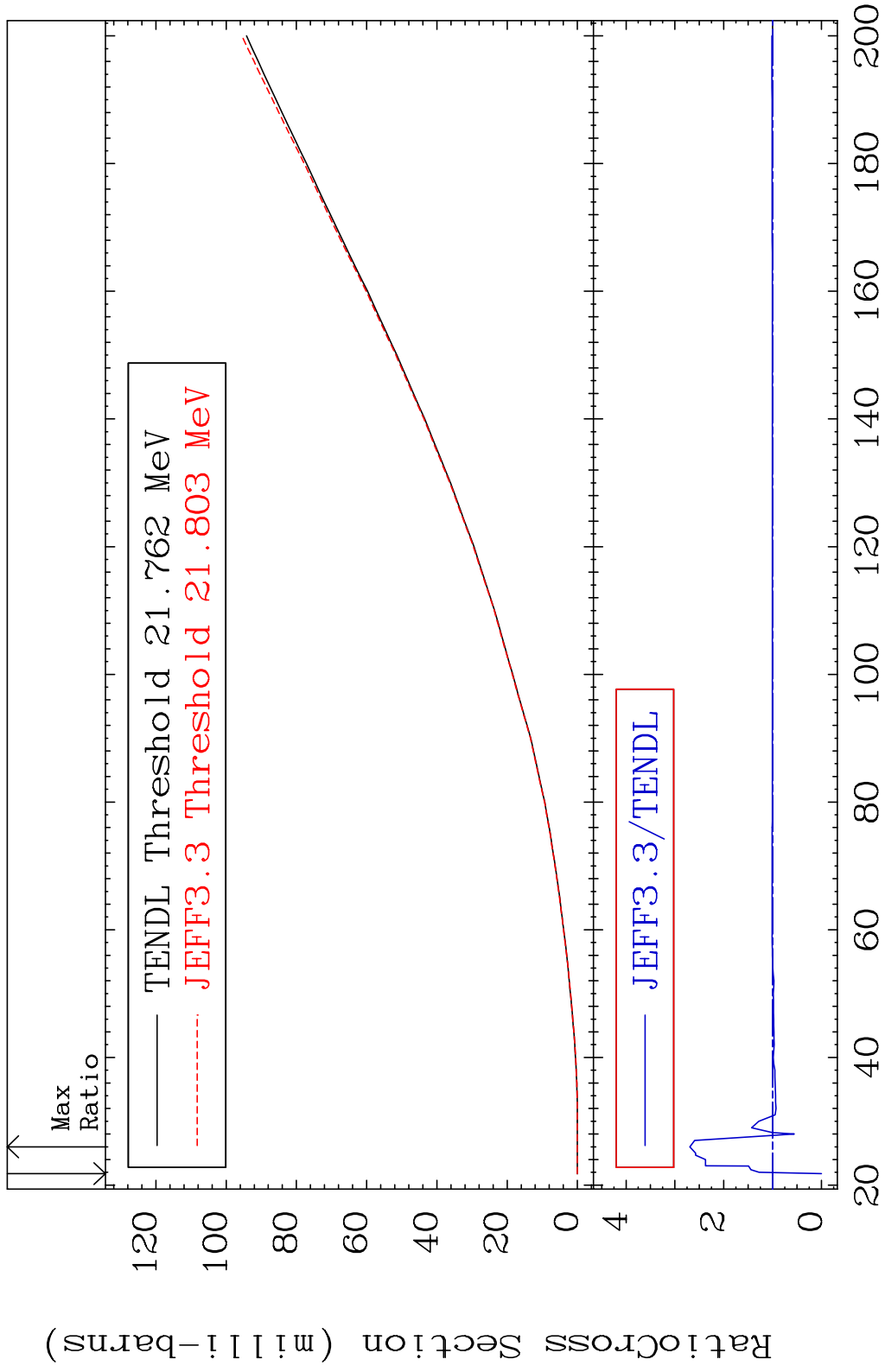




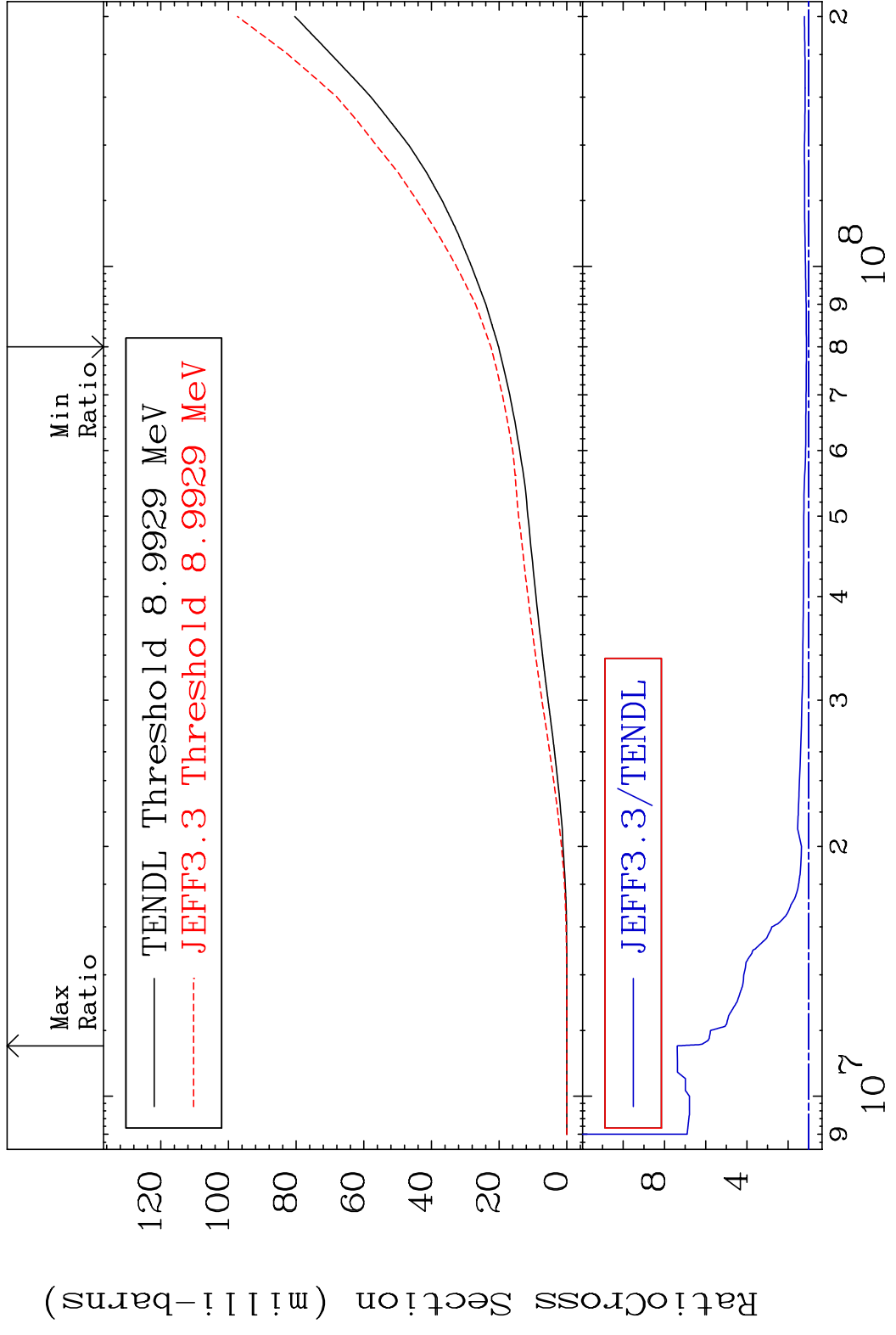
MAT 2049 Tritium Production 20-Ca-48
 Cross Section -13.18 To 250.7 %



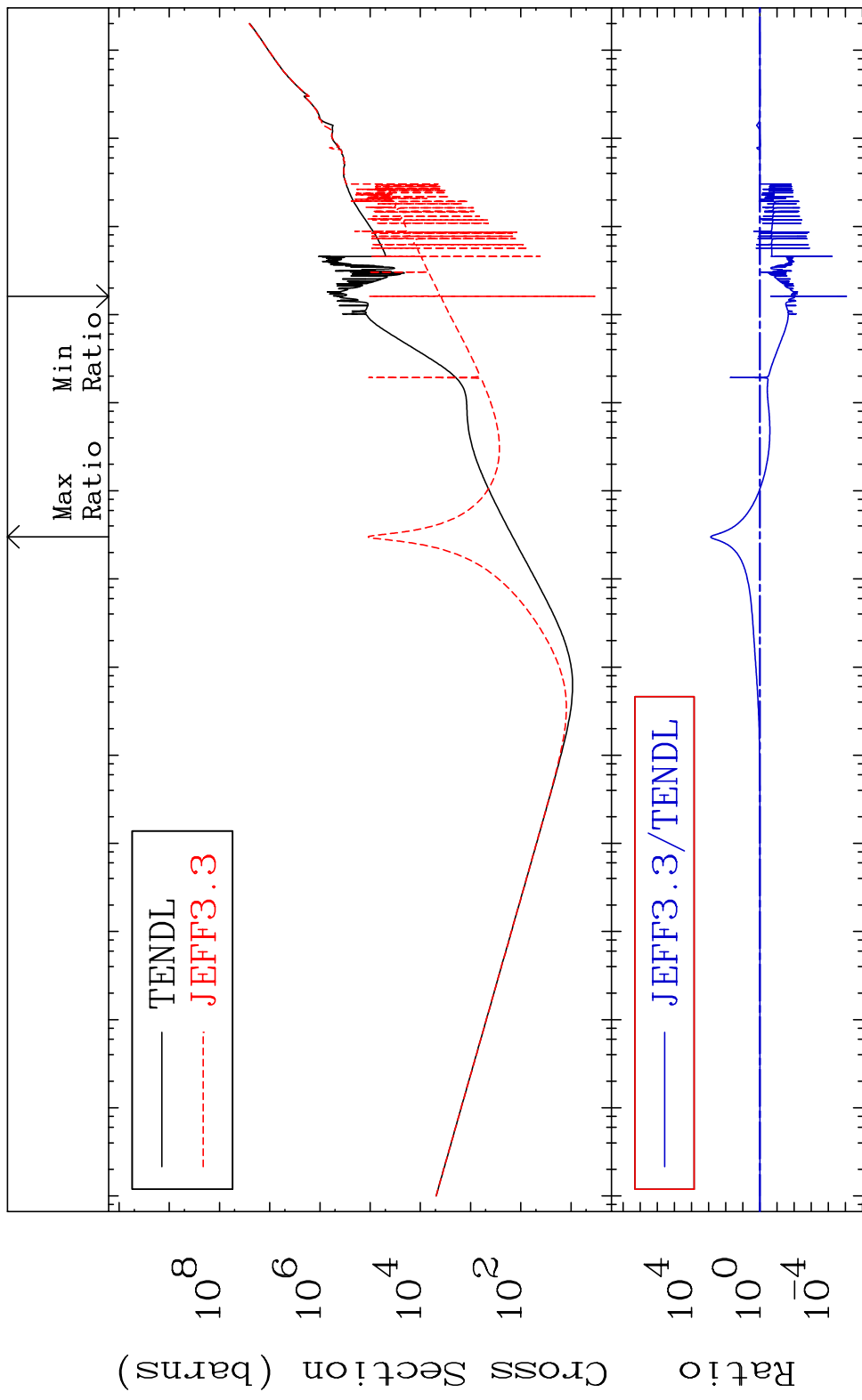
MAT 2049 He-3 Production 20-Ca-48
 Cross Section -100.0 To 169.6 %



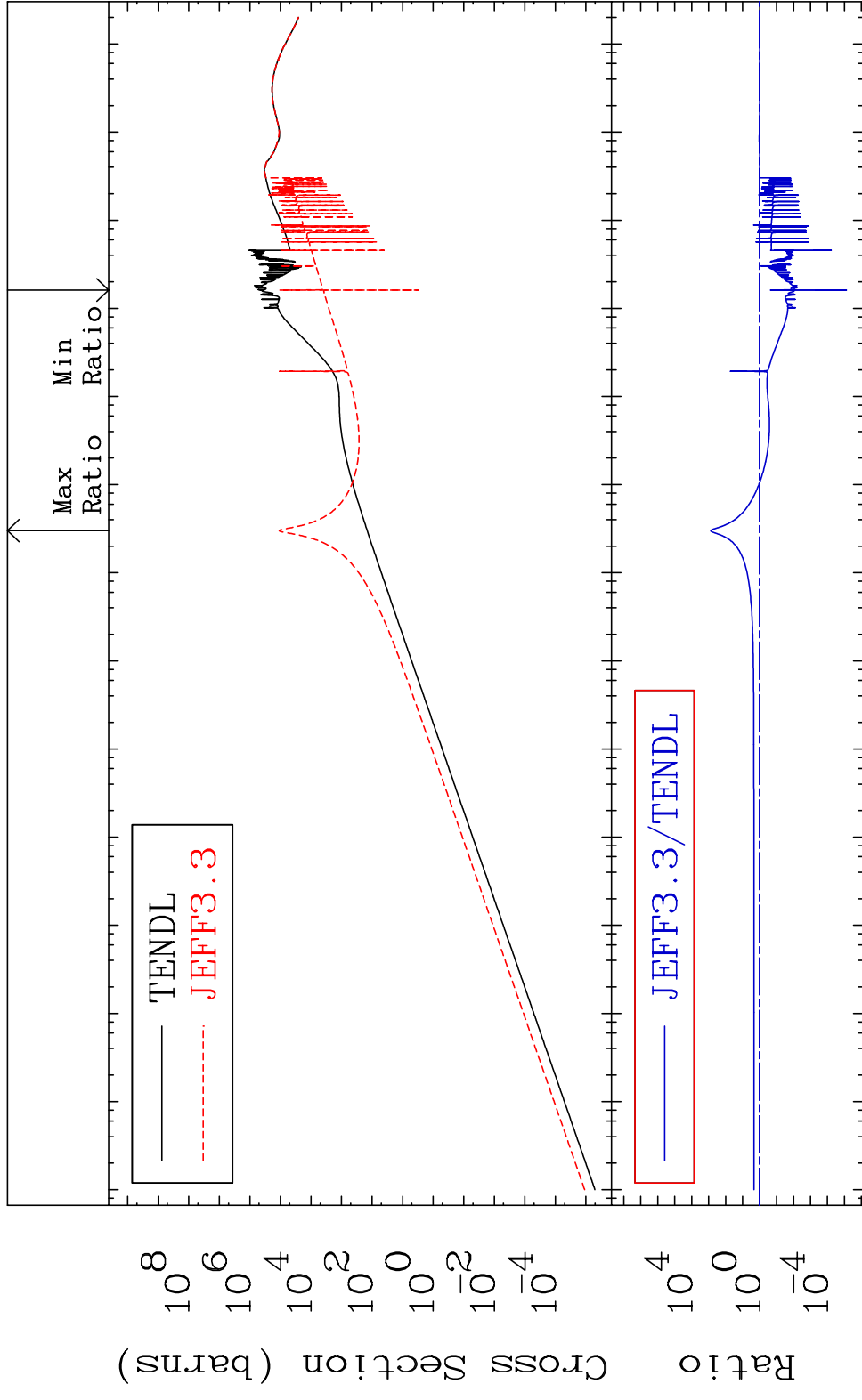
MAT 2049 He-4 Production 20-Ca-48
 Cross Section 11.31 To 638.3 %



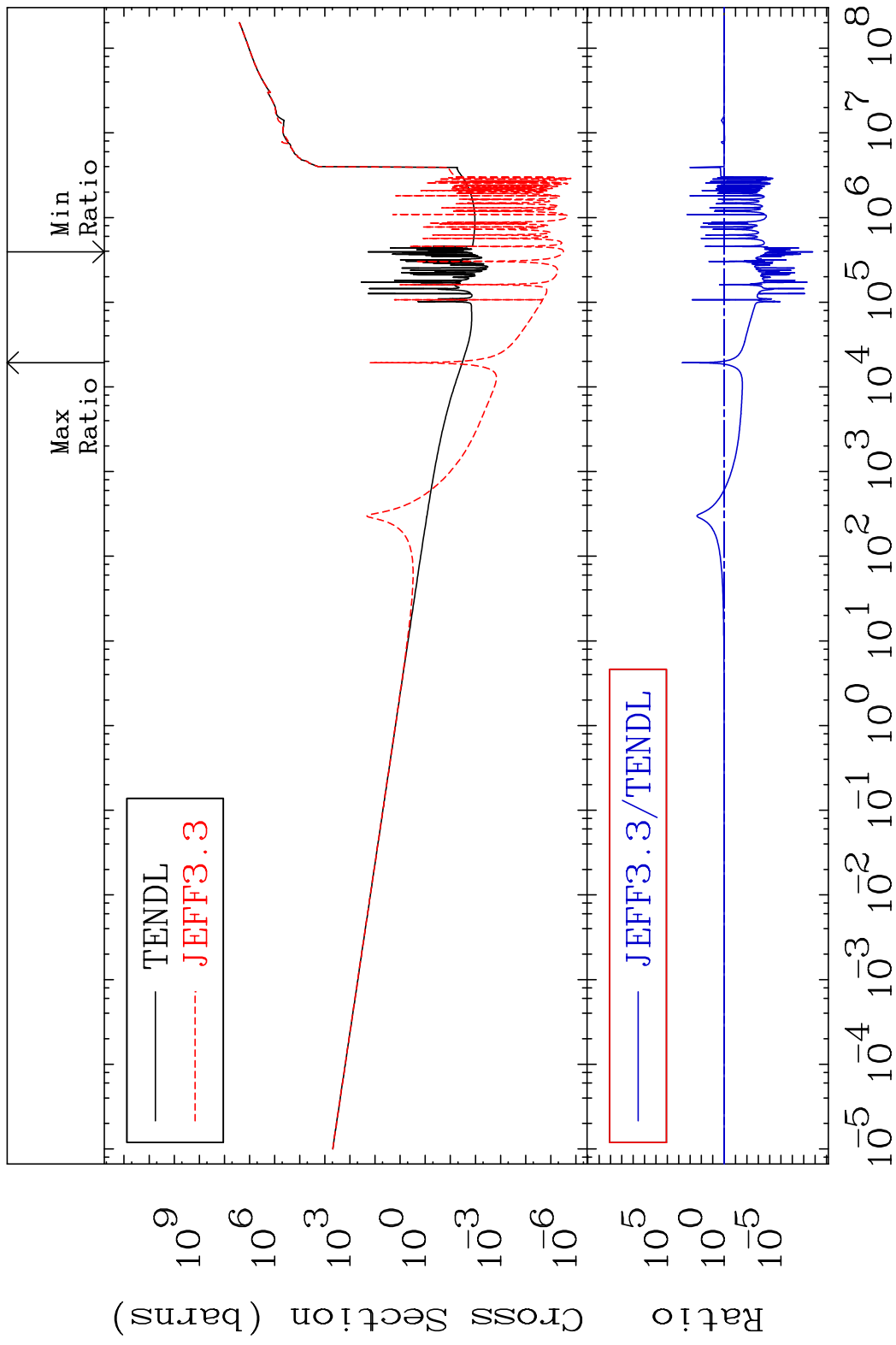
MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %



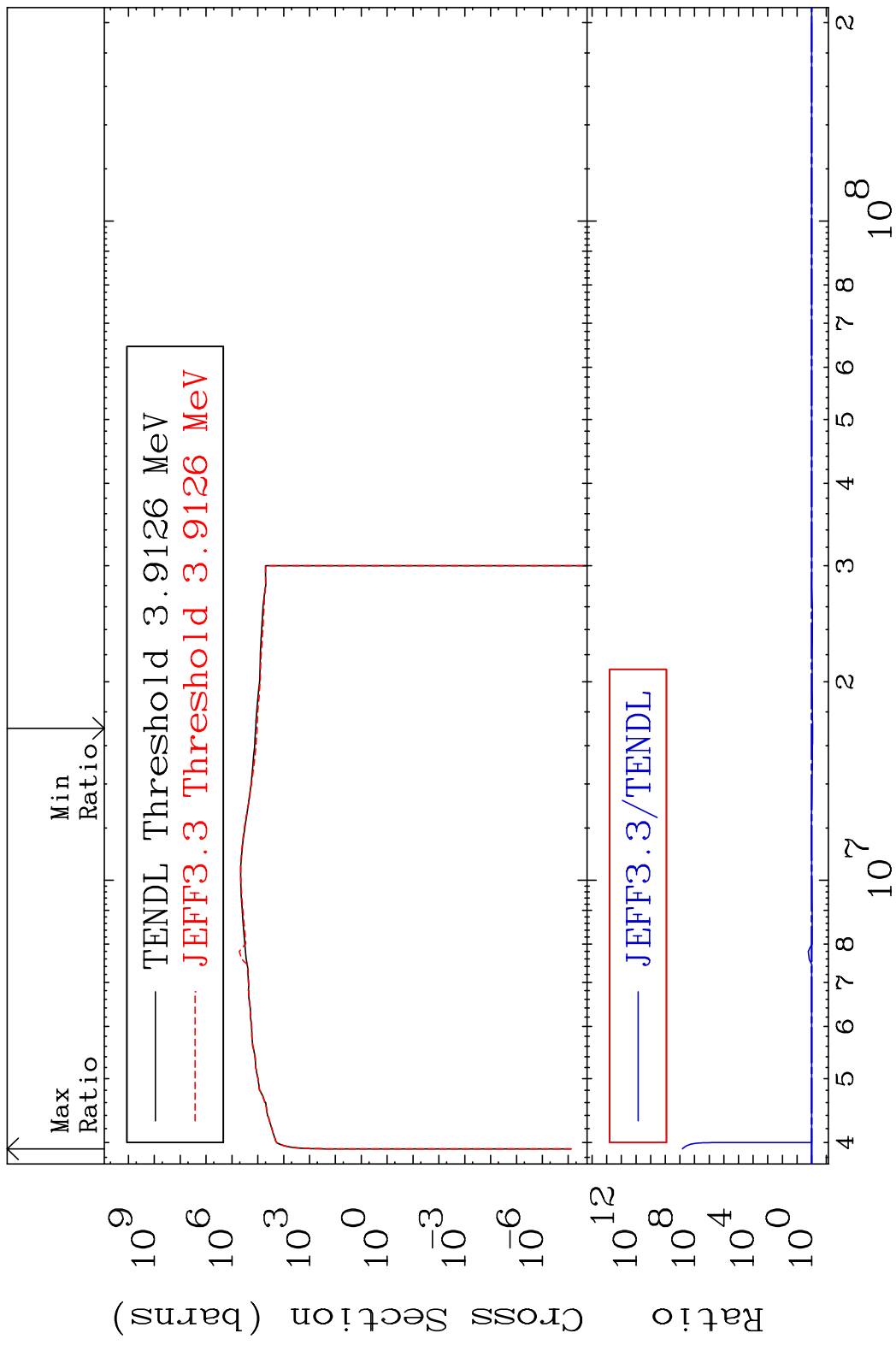
MAT 2049 Kerma elastic Cross Section -100.0 To 9999. % 20-Ca-48



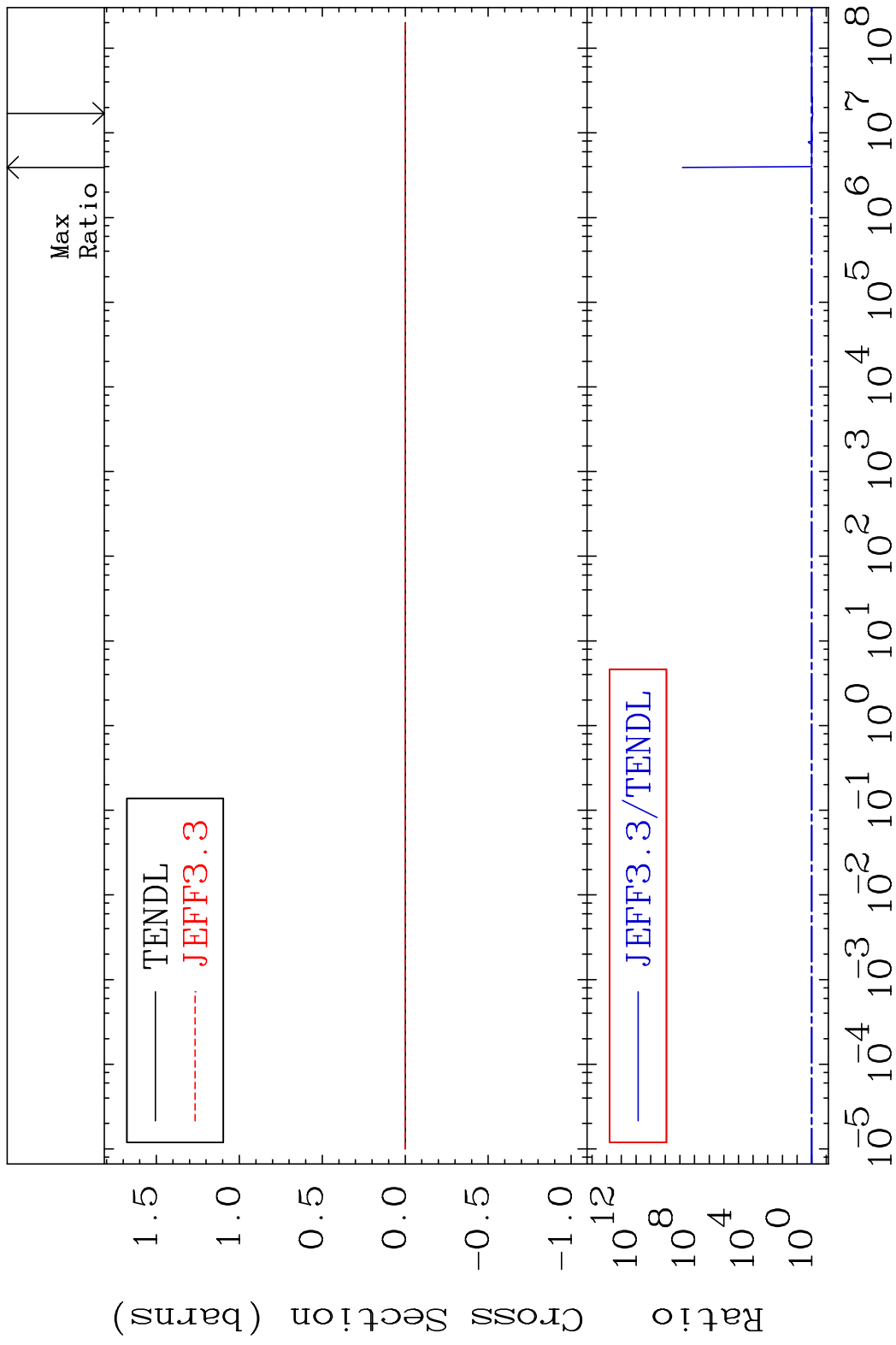
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -100.0 To 9999. %



MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -12.50 To 9999. %

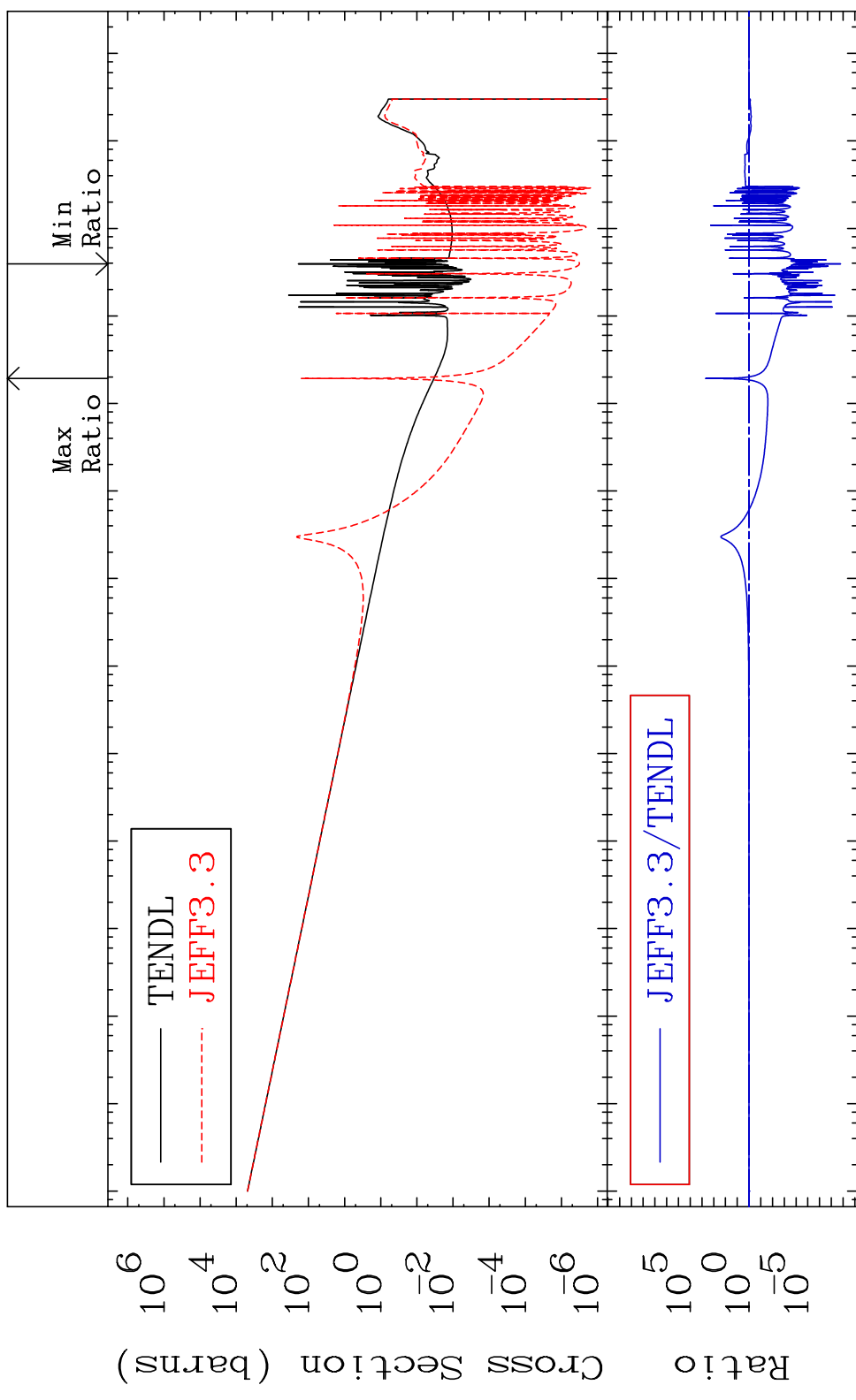


MAT 2049 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-48
 Cross Section -12.50 To 9999. %



MAT 2049

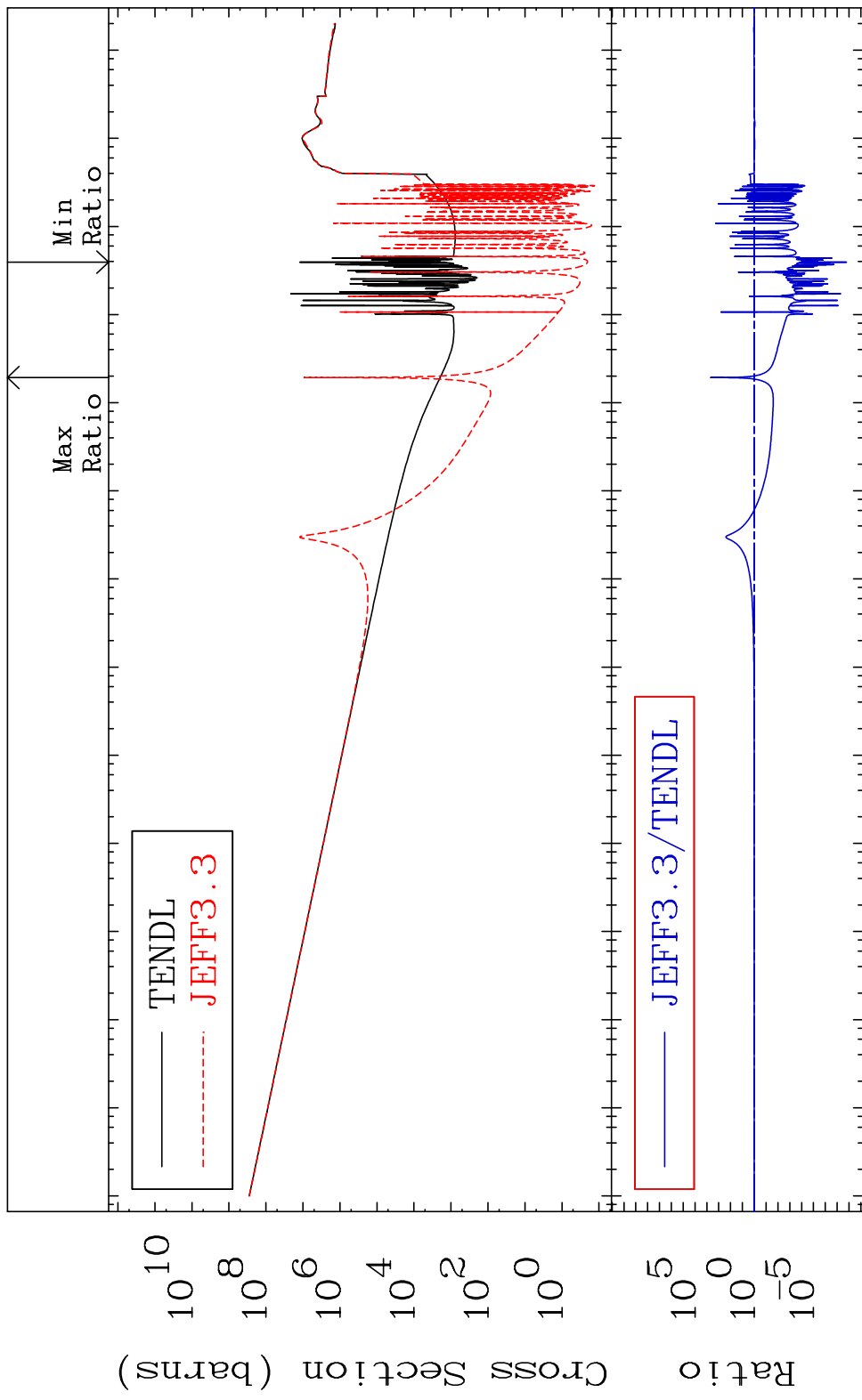
Kerma capture (mt102) 20-Ca-48
Cross Section -100.0 To 9999. %



60

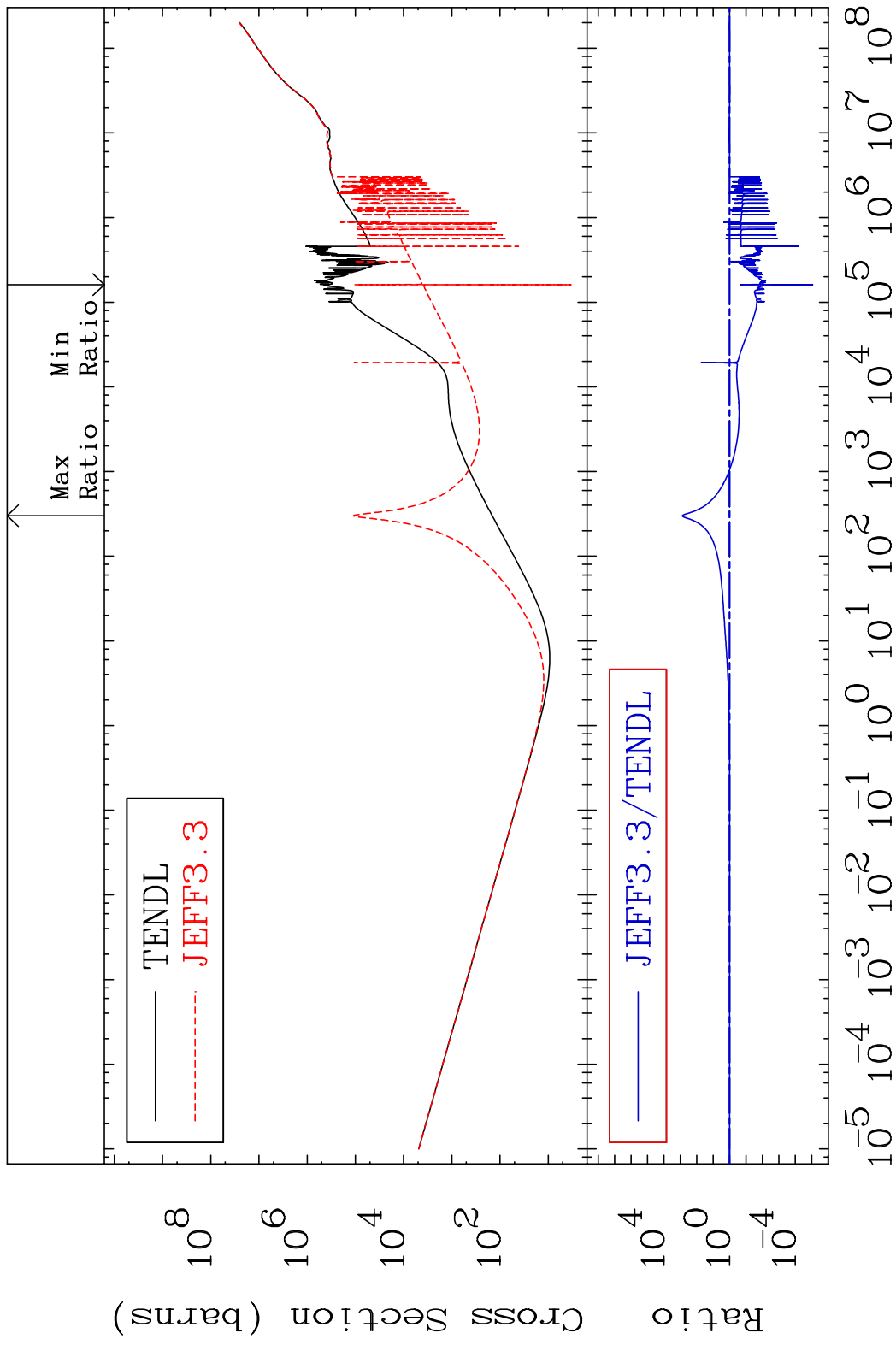
Incident Energy (eV) 20-Ca-48

MAT 2049 Total photon (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %

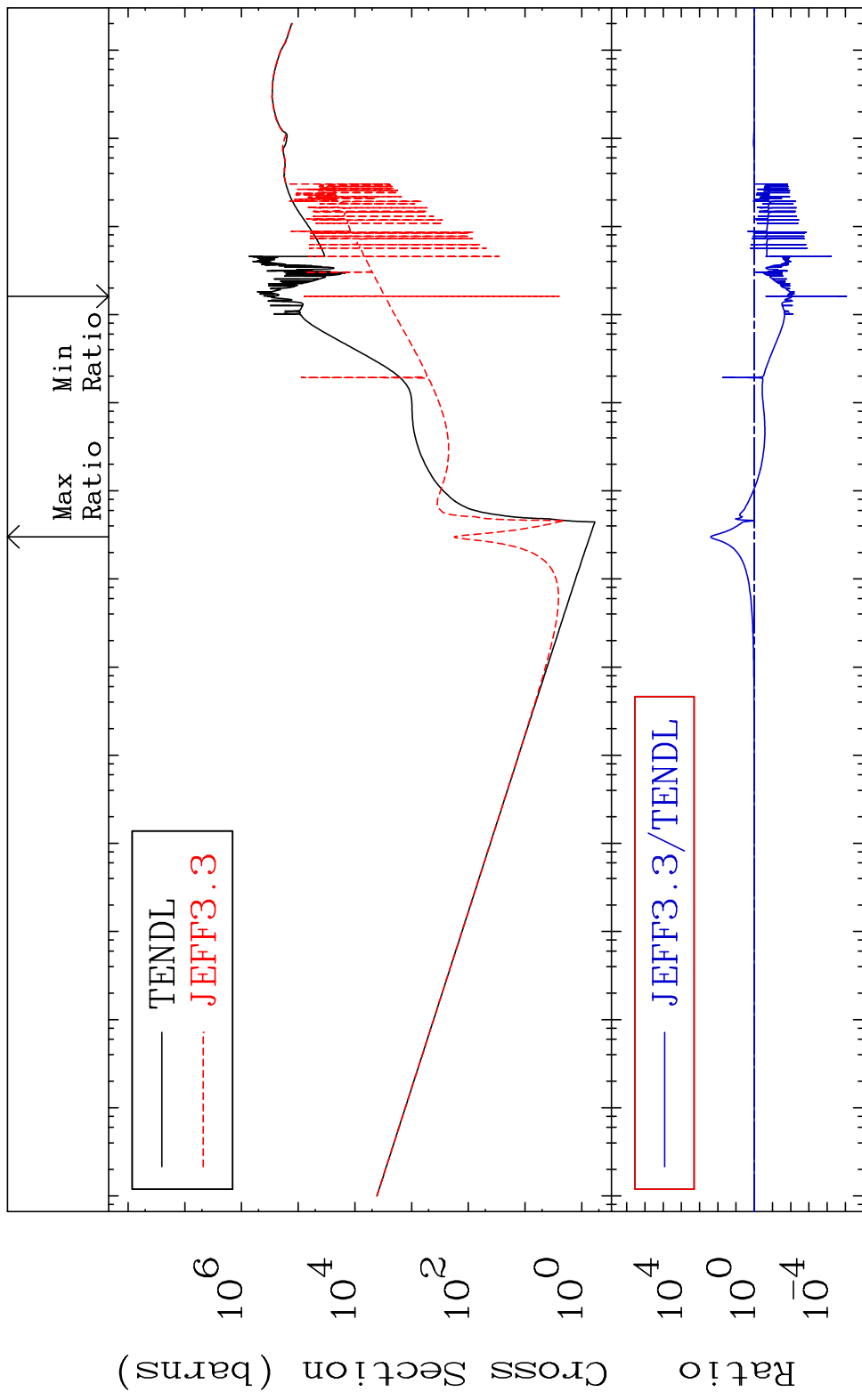


61 Incident Energy (eV) 20-Ca-48

MAT 2049 Total kinematic kerma (high limit) 20-Ca-48
 Cross Section -100.0 To 9999. %

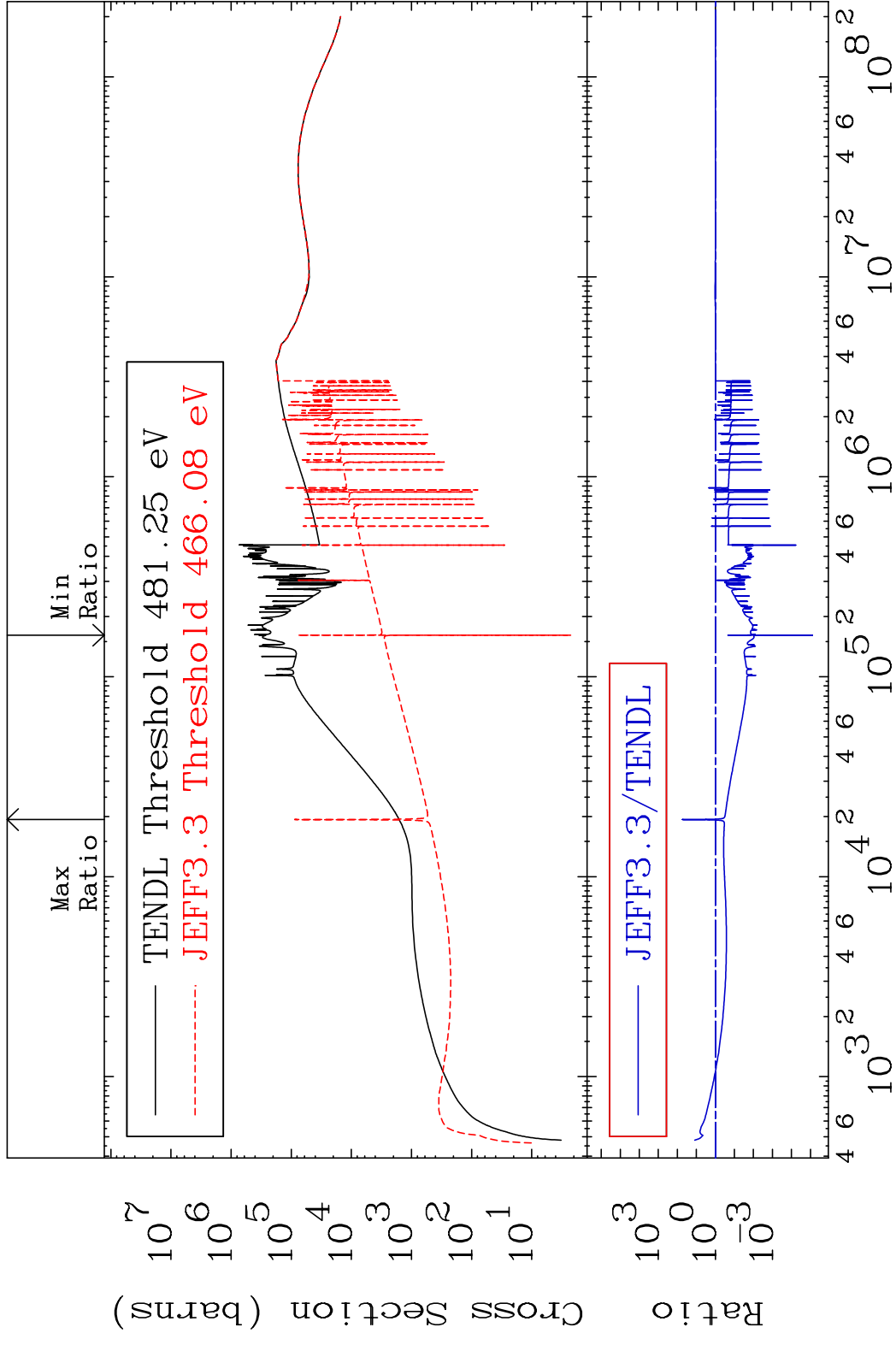


MAT 2049 Dpa total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %

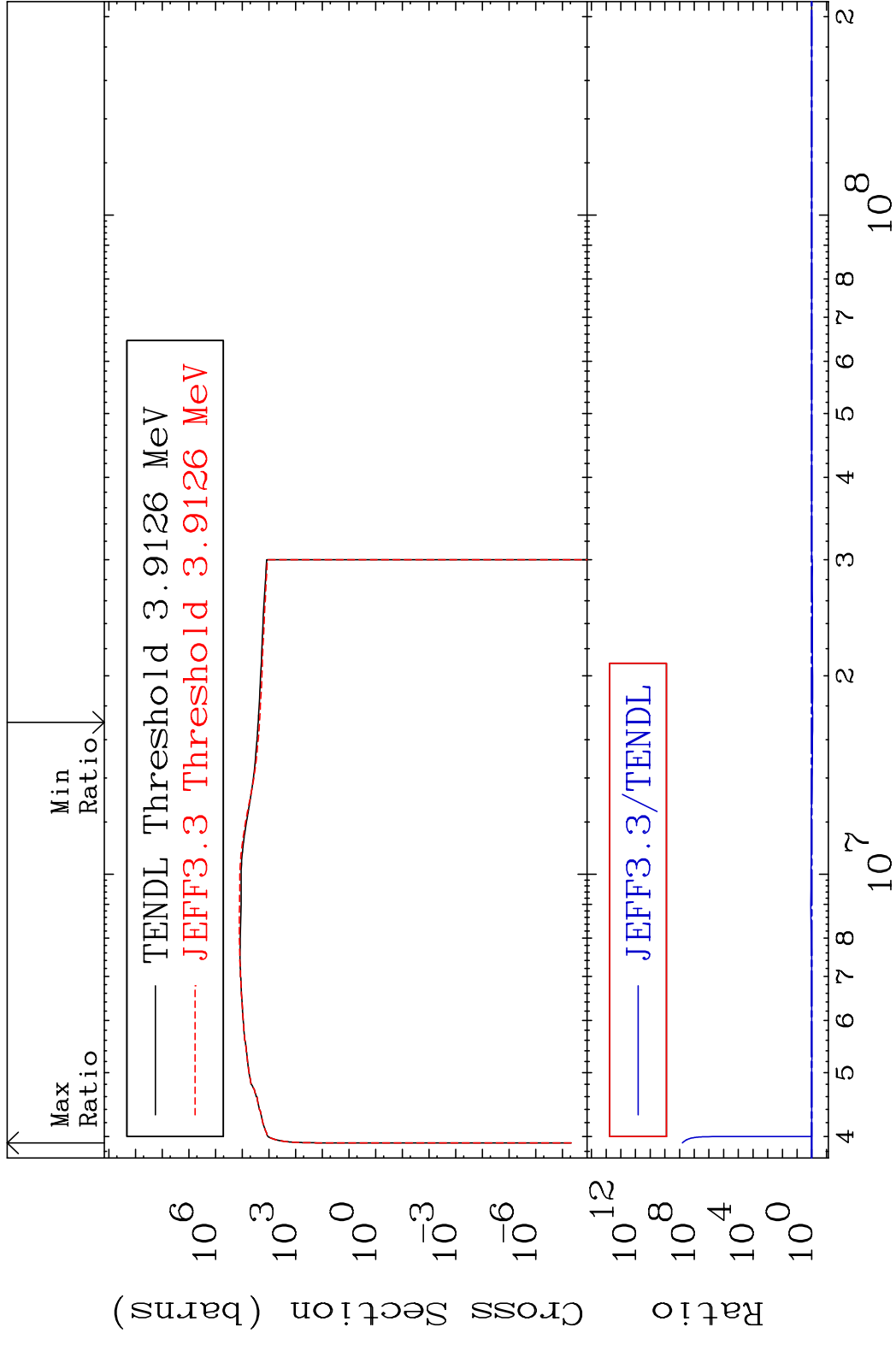


63 Incident Energy (eV) 20-Ca-48

MAT 2049 Dpa elastic (mt2) 20-Ca-48
 Cross Section -100.0 To 5340. %



MAT 2049 Dpa inelastic (mt51-91) 20-Ca-48
 Cross Section -11.58 To 9999. %



MAT 2049 Dpa disappearance (mt102 -120) 20-Ca-48
 Cross Section -100.0 To 9999. %

