

Program Complot
(Version 2021-1)

by

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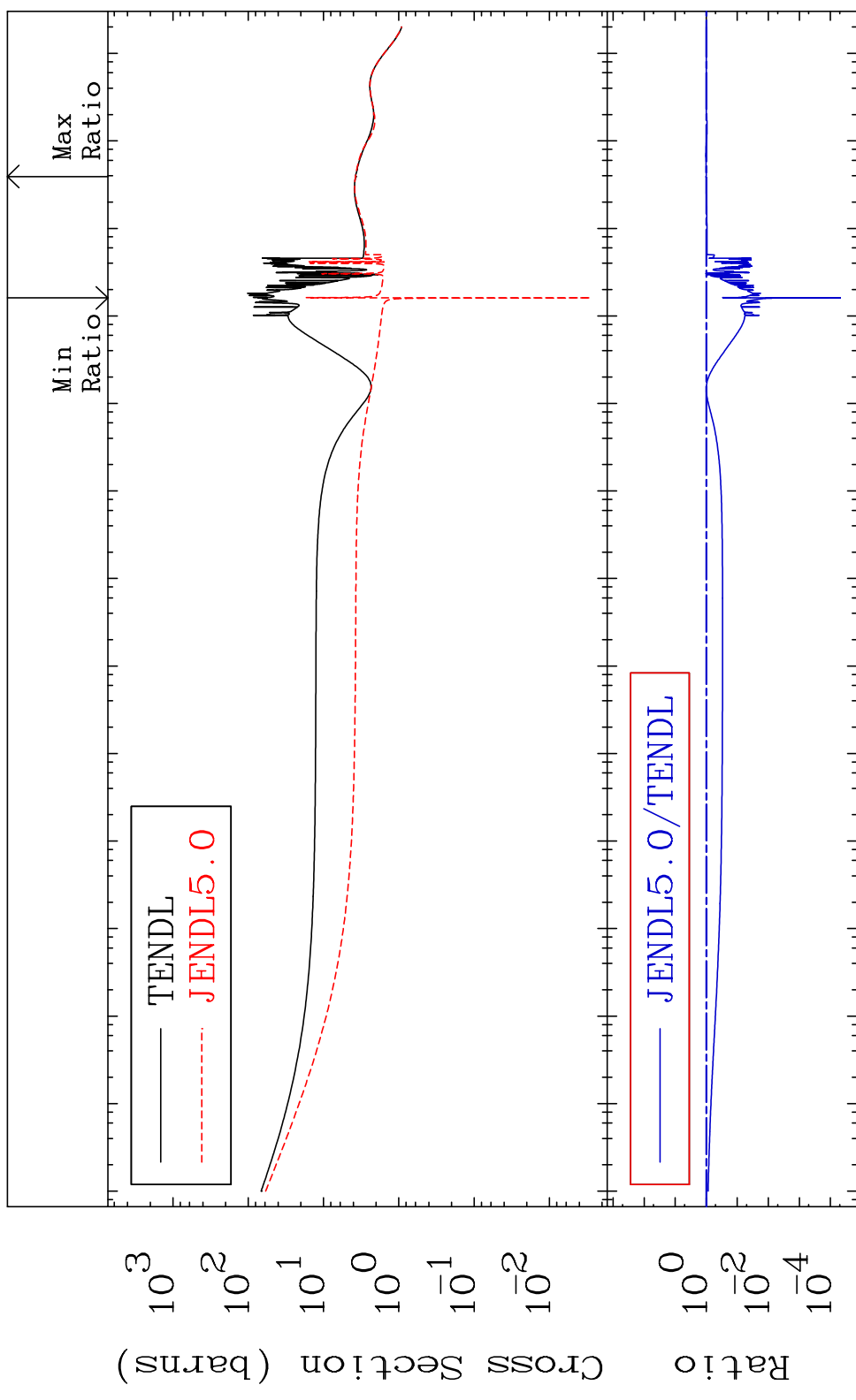
Press Mouse Button to Start

MAT 2049

Total

20-Ca-48

Cross Section -100.0 To 3.573 %

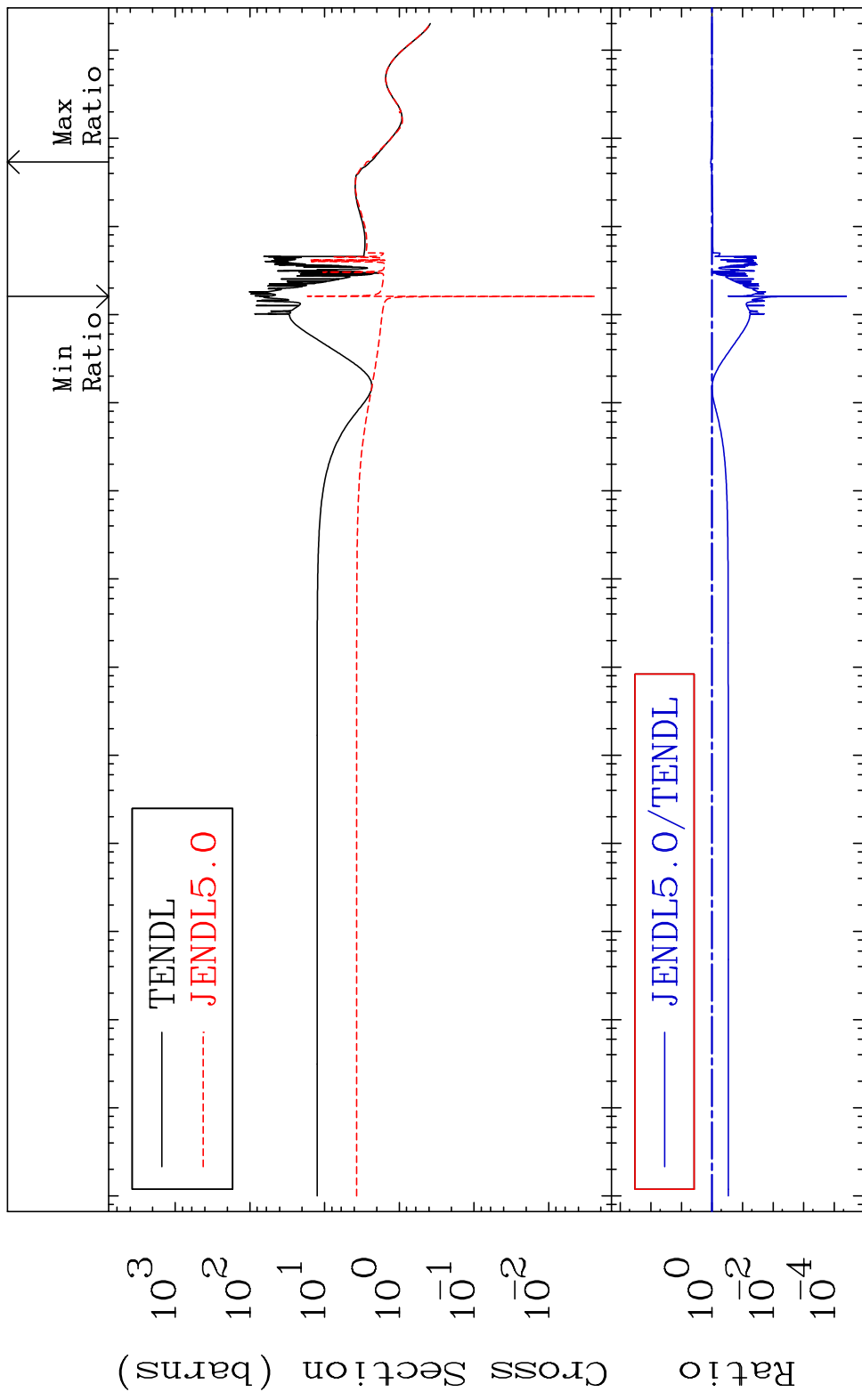


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

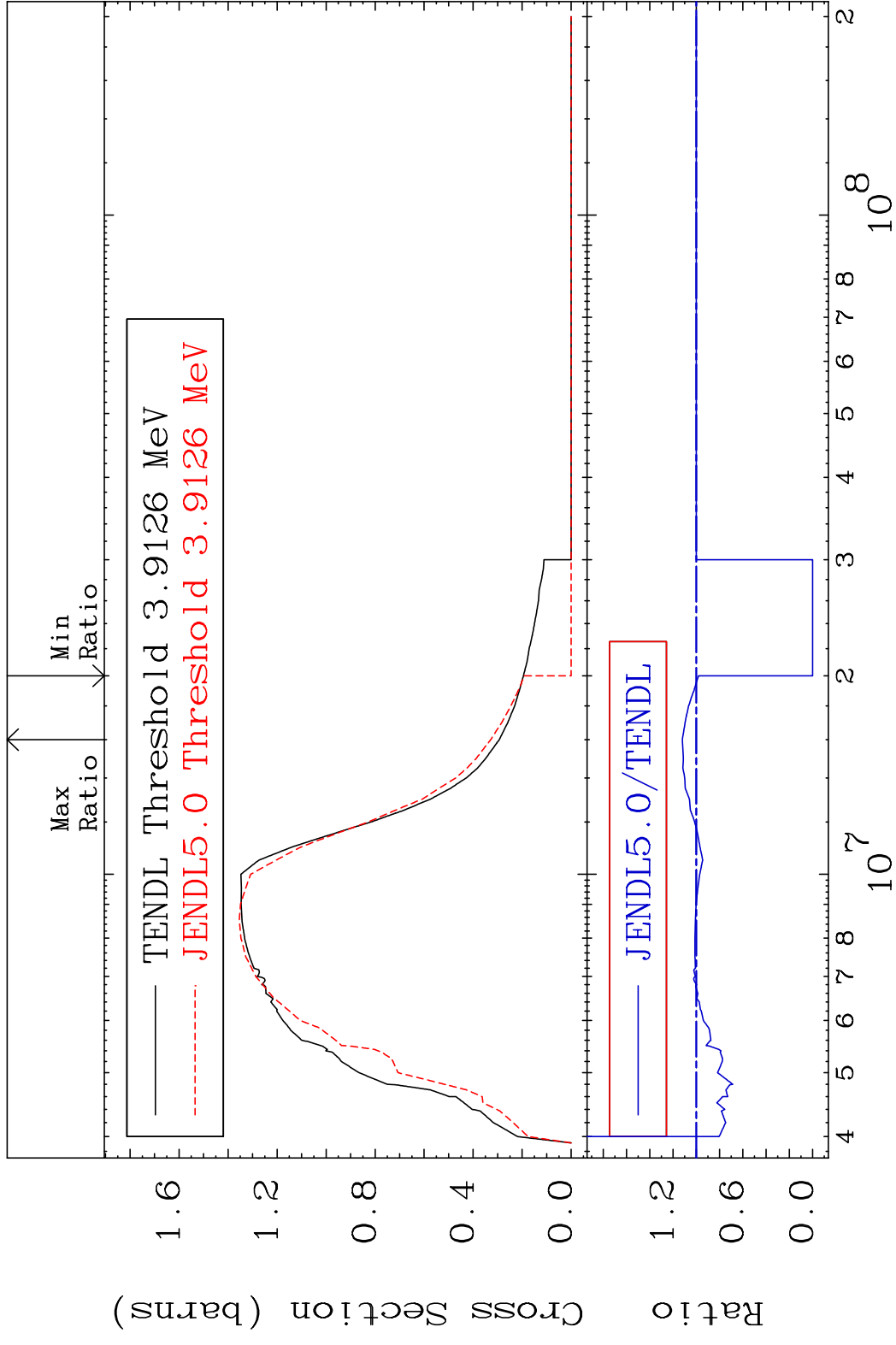
20-Ca-48

MAT 2049 Elastic 20-Ca-48
 Cross Section -100.0 To 10.36 %

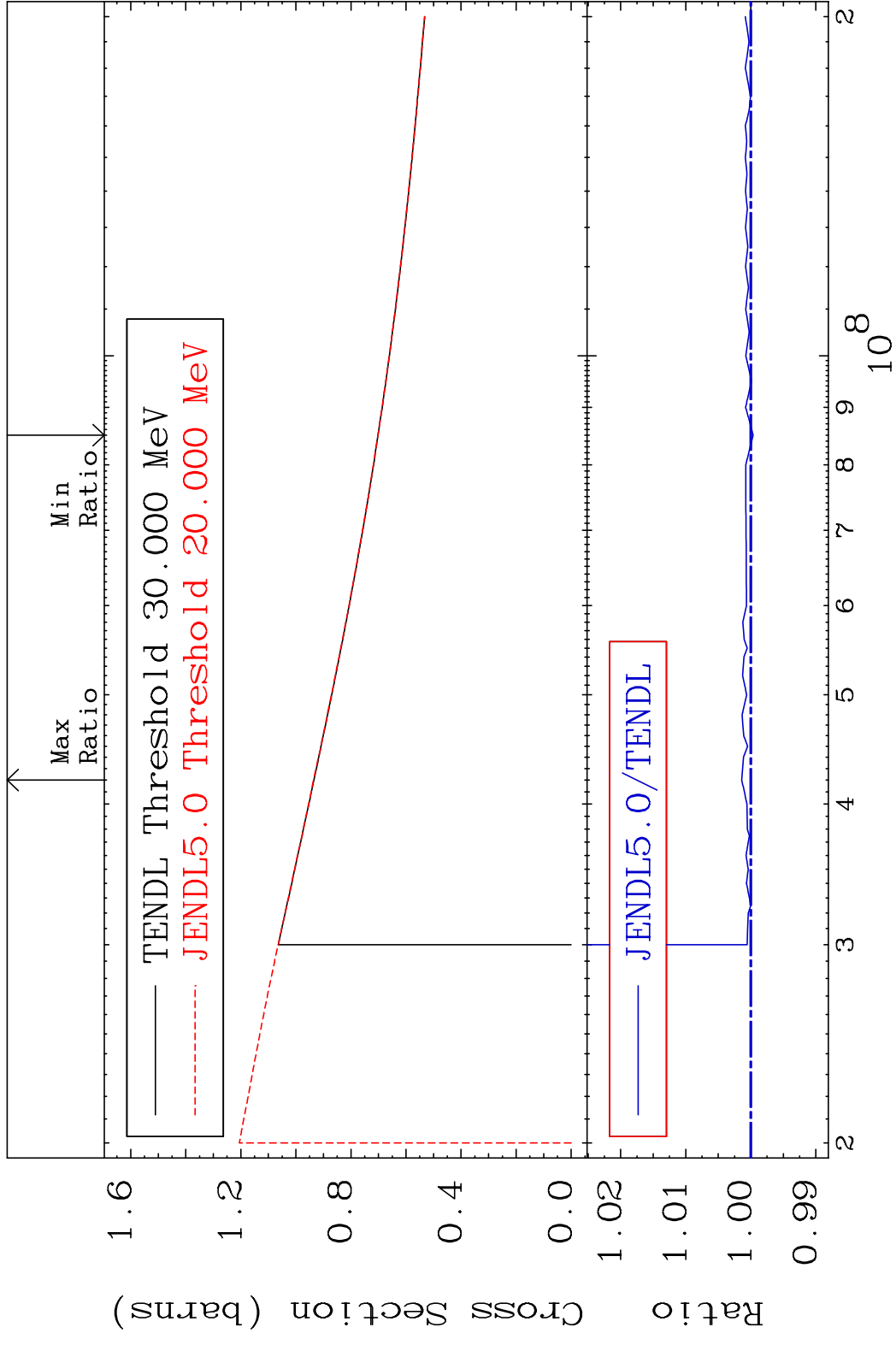


2 Incident Energy (eV) 20-Ca-48

MAT 2049 Inelastic Cross Section -100.0 To 11.96 % 20-Ca-48



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



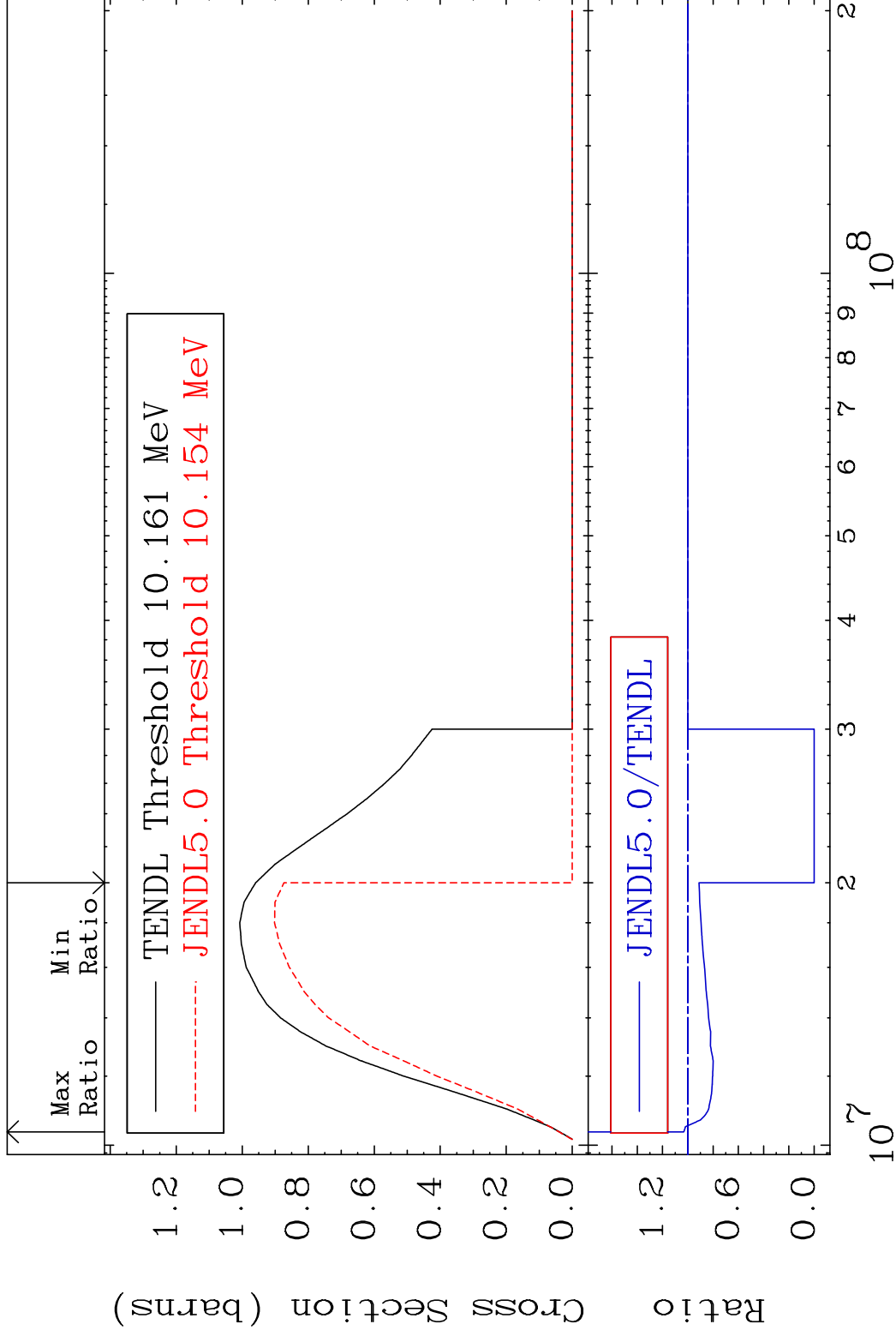
4 Incident Energy (eV) 20-Ca-48

MAT 2049

(n,2n)

20-Ca-48

Cross Section -100.0 To 3.276 %

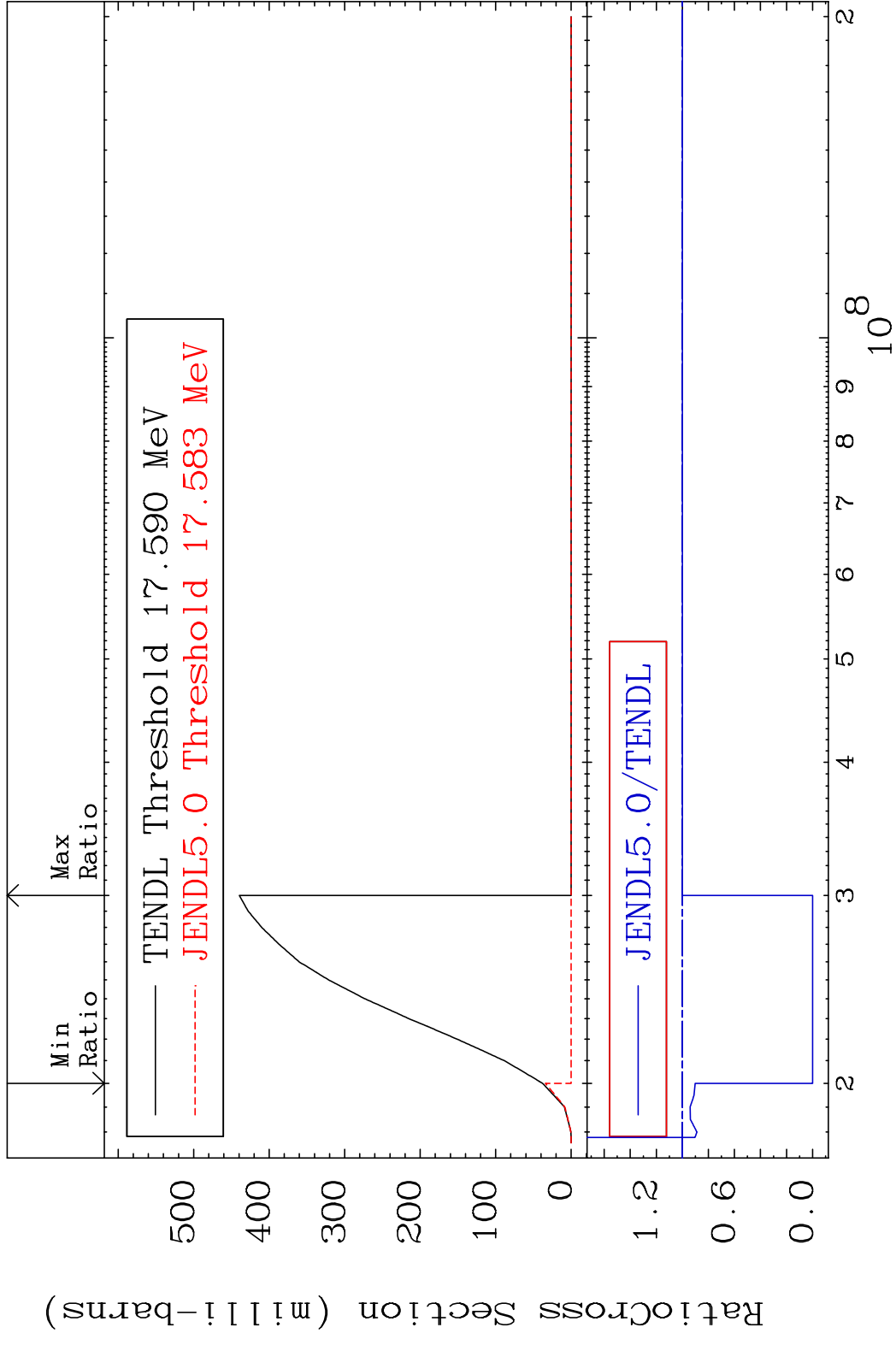


5

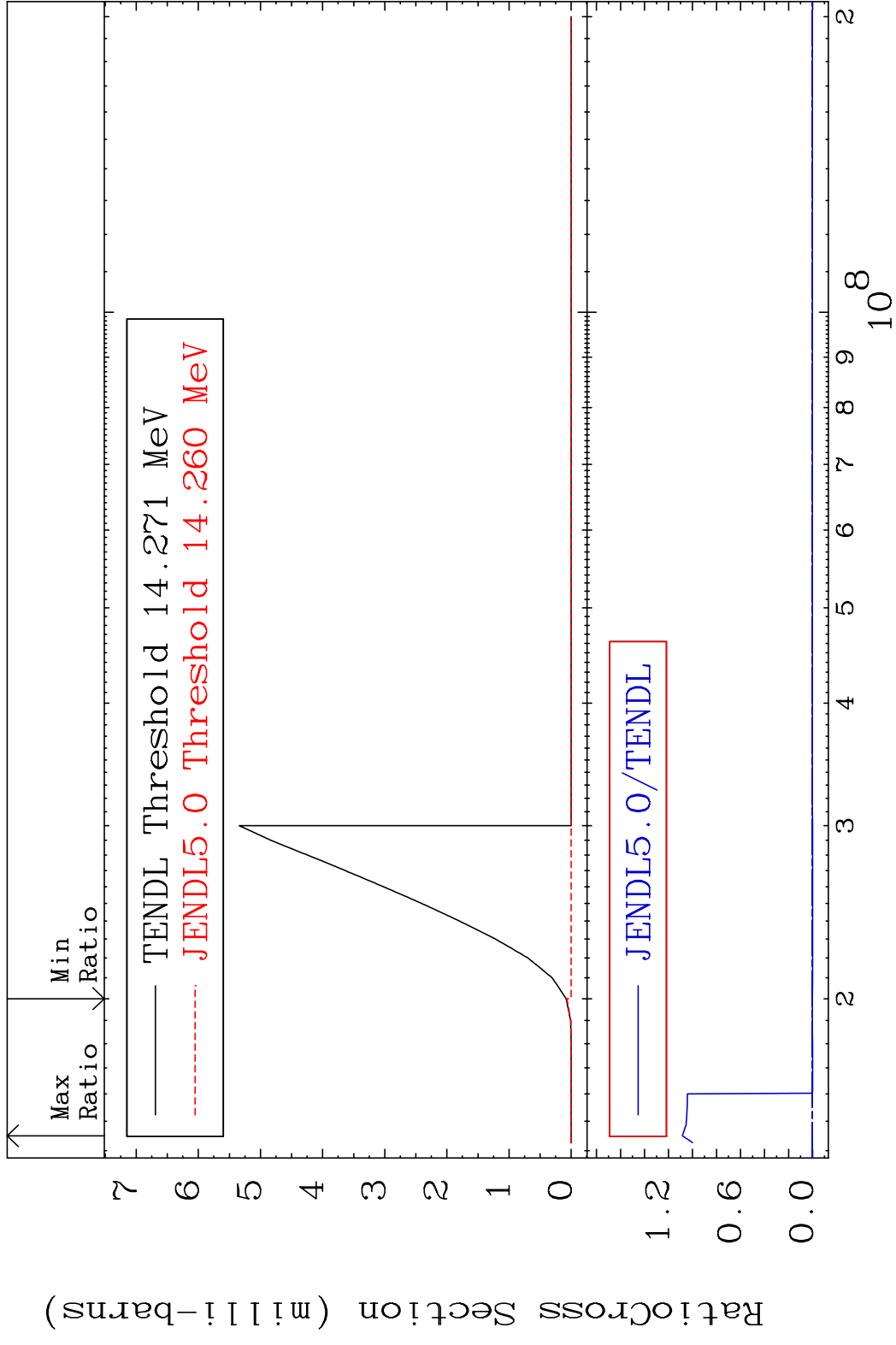
Incident Energy (eV)

20-Ca-48

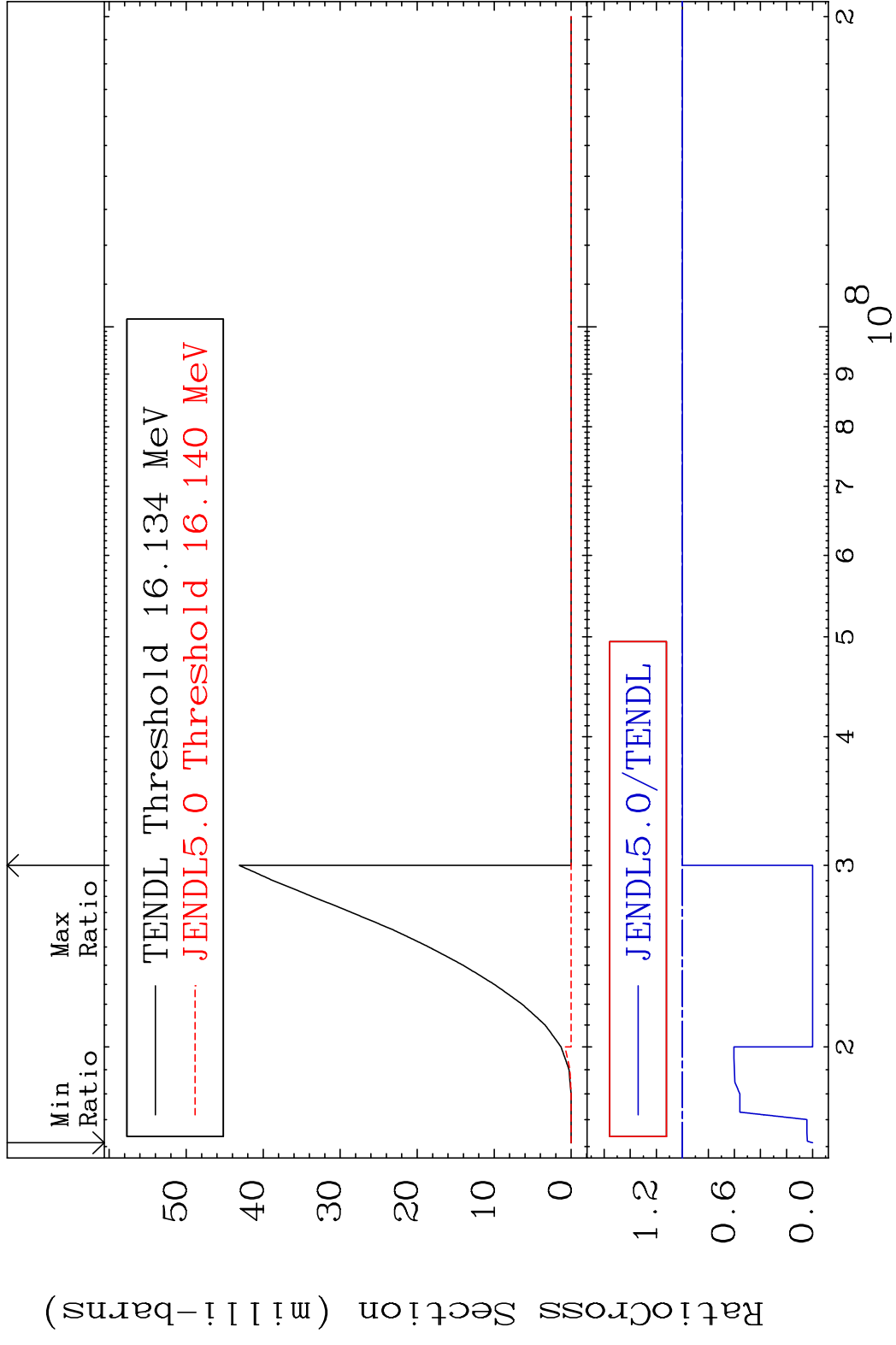
MAT 2049 (n,3n) 20-Ca-48
 Cross Section -100.0 To 0.000 %



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

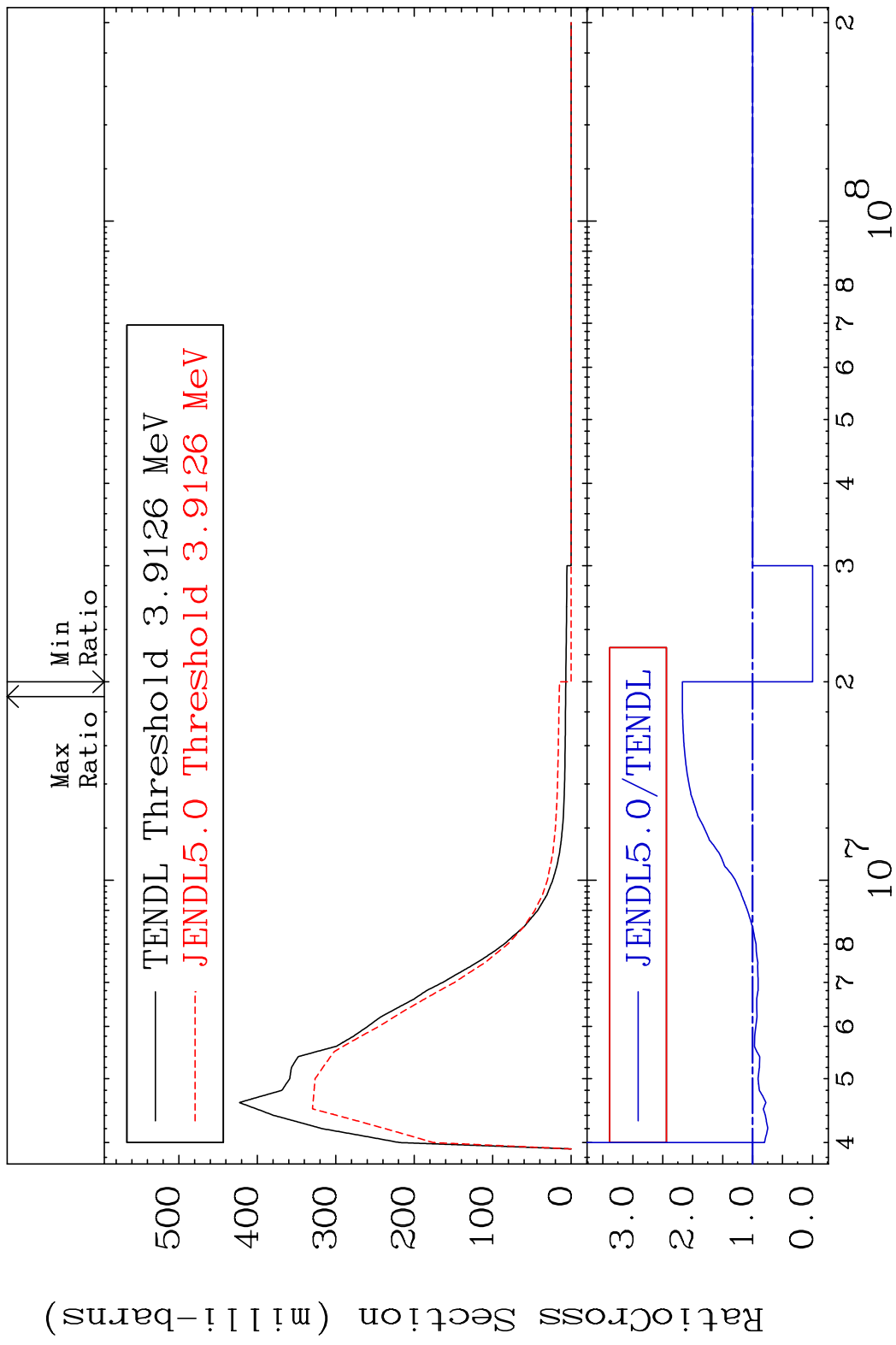


MAT 2049 (n, n') p 20-Ca-48
 Cross Section -100.0 To 0.000 %

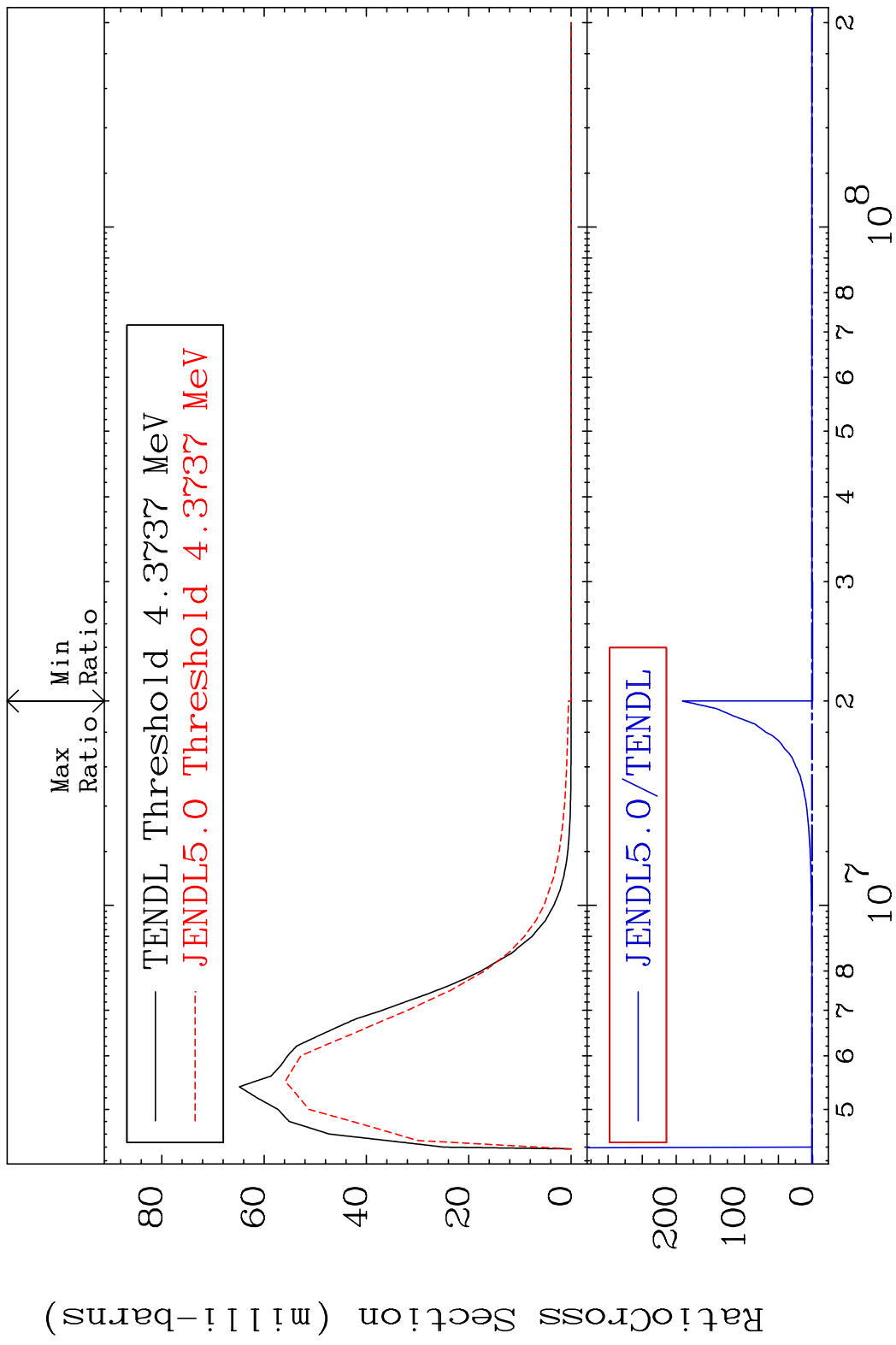


8 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 51 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 117.3 %

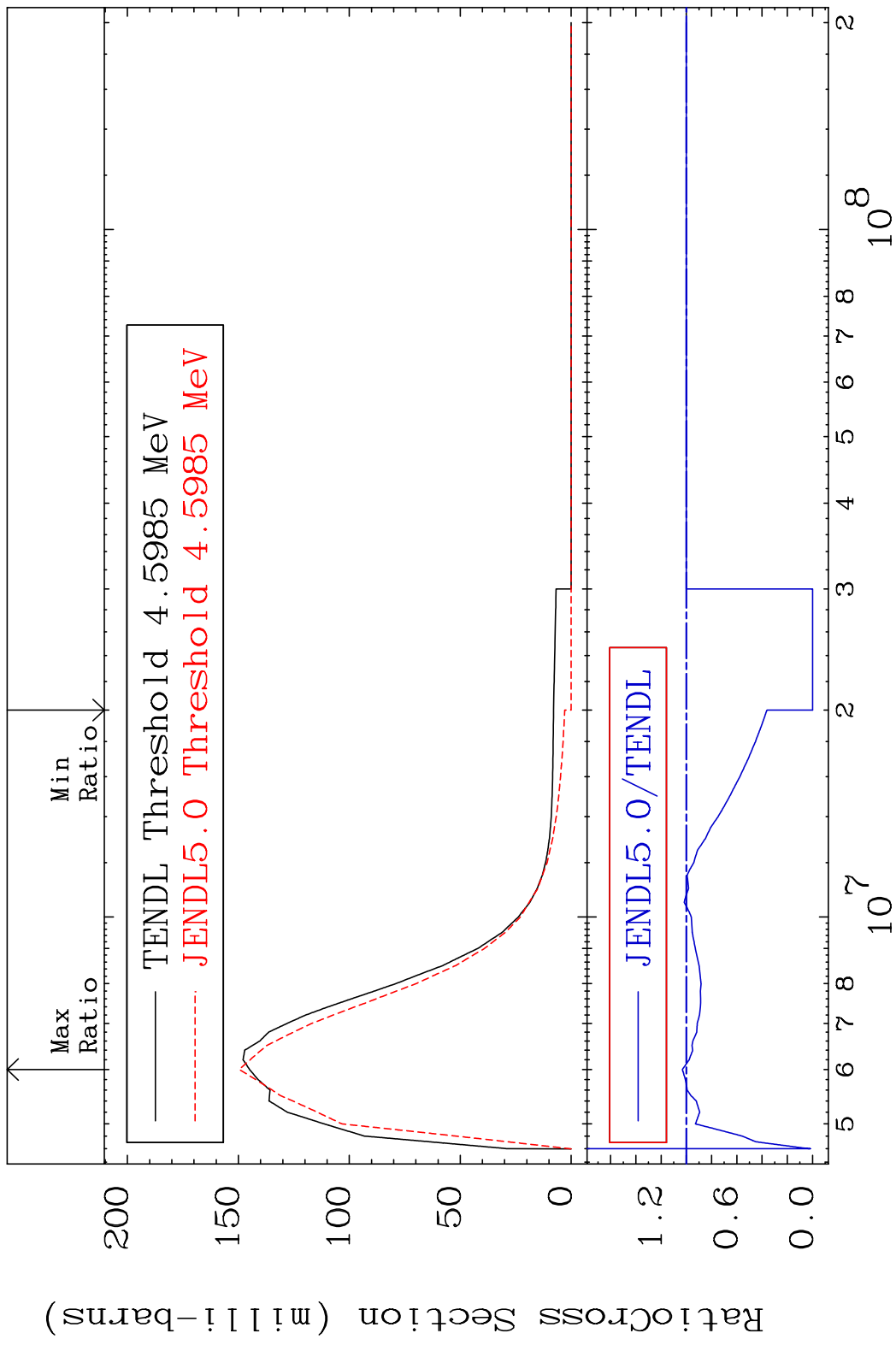


MAT 2049 MT= 52 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %

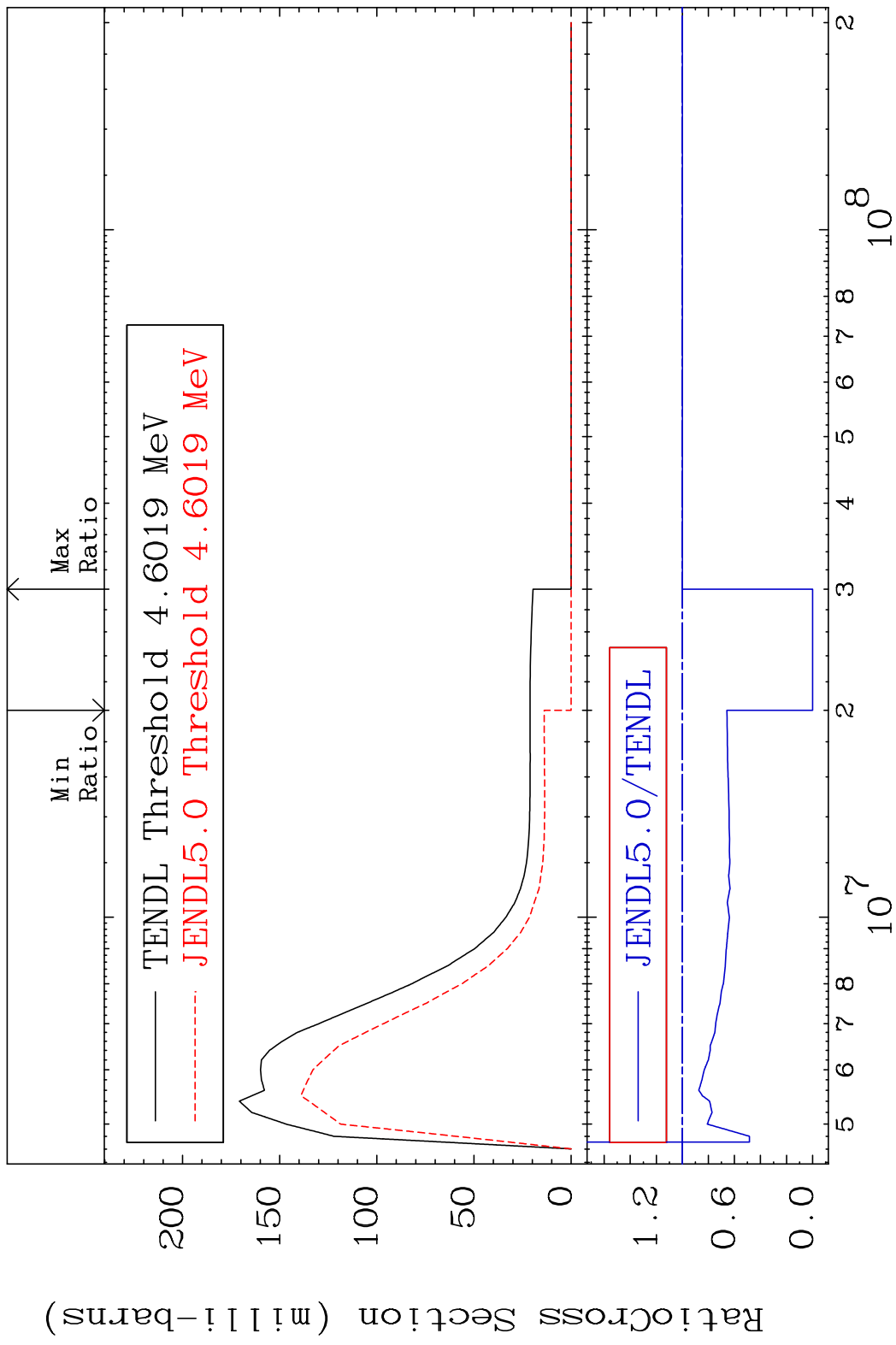


10 100 200 0 80 60 40 20 0 0 100 200 0 2 3 4 5 6 7 8 10⁷ 10⁸

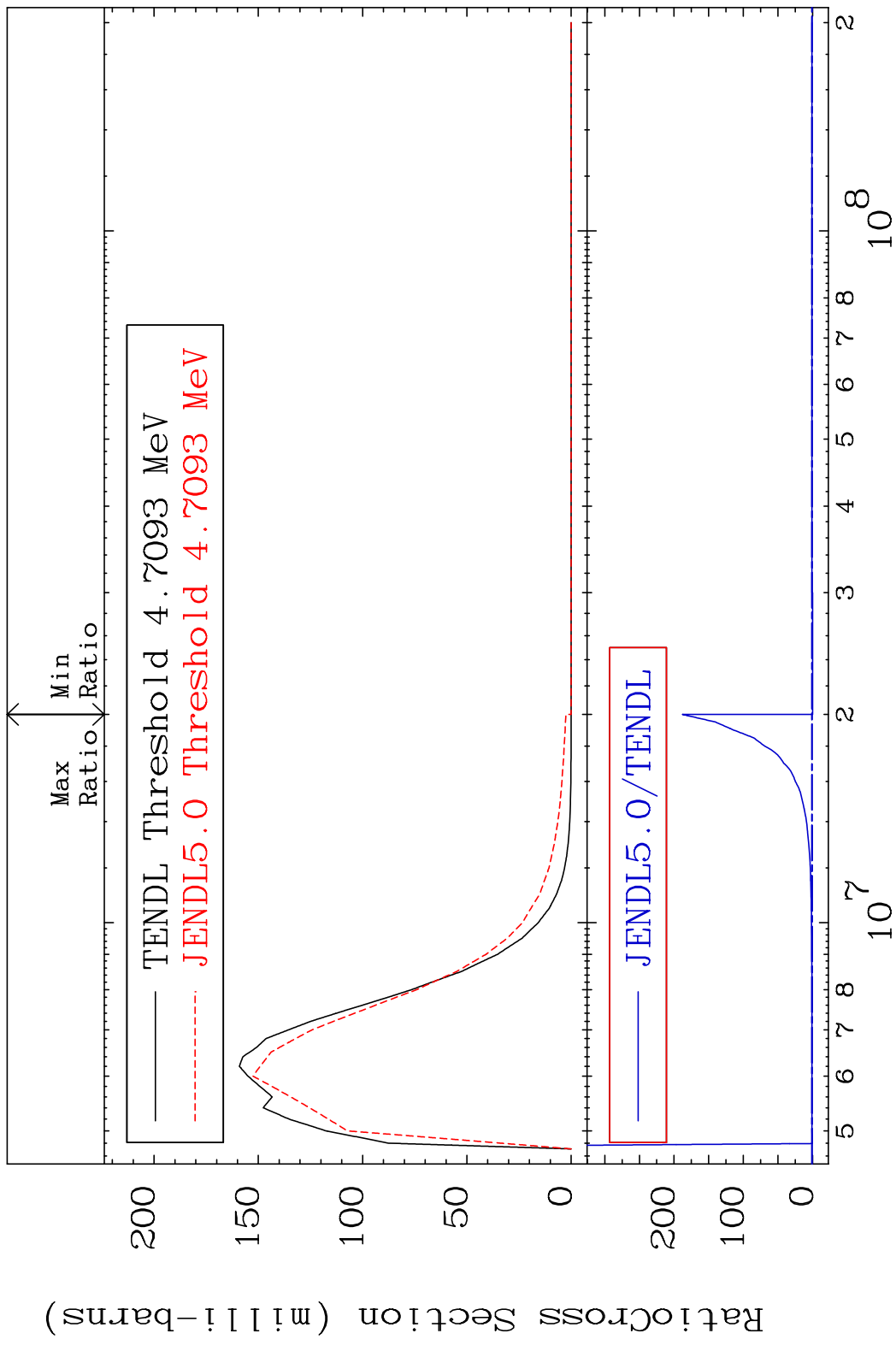
MAT 2049 MT= 53 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 3.178 %



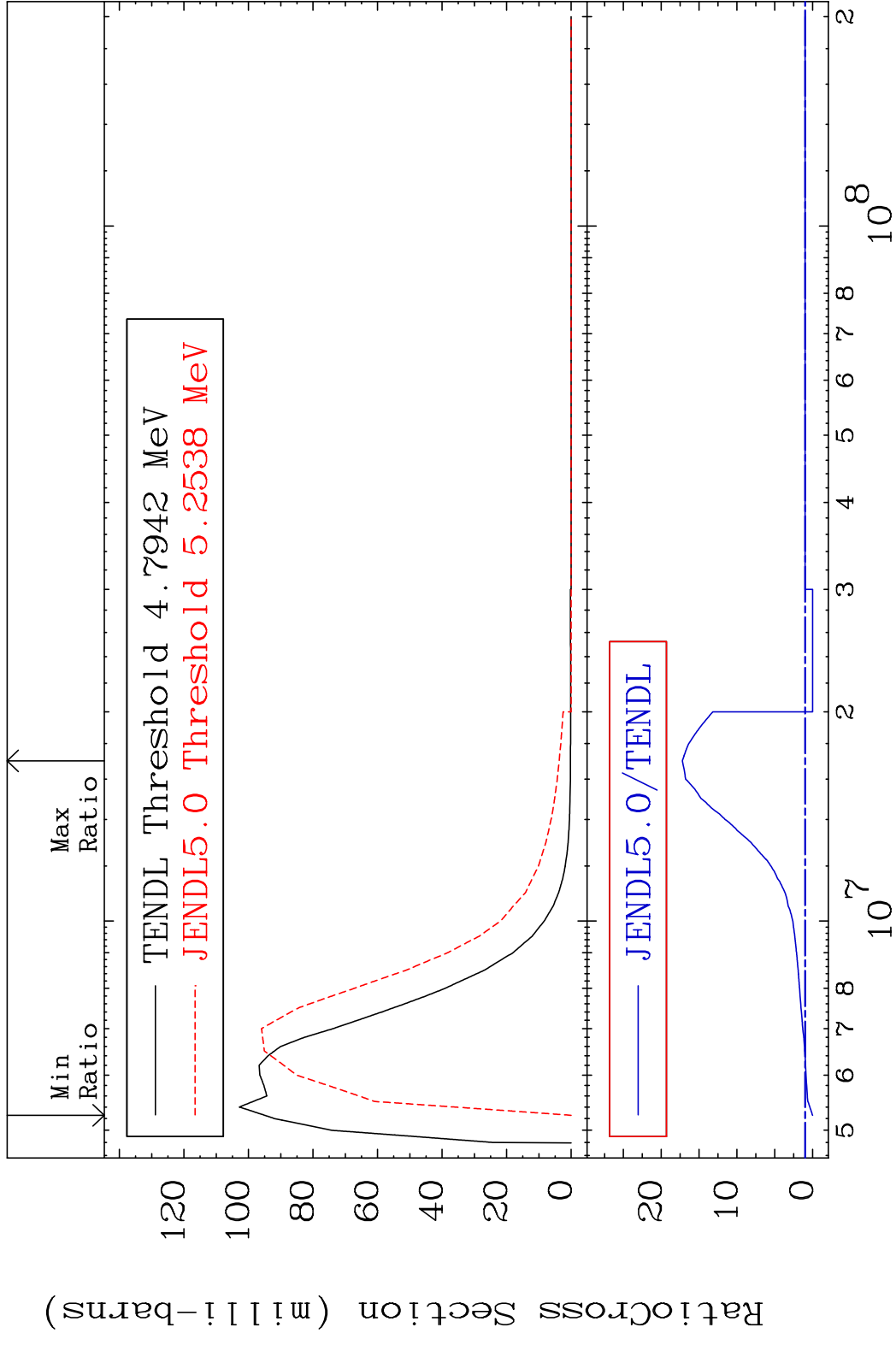
MAT 2049 MT= 54 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 0.000 %



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

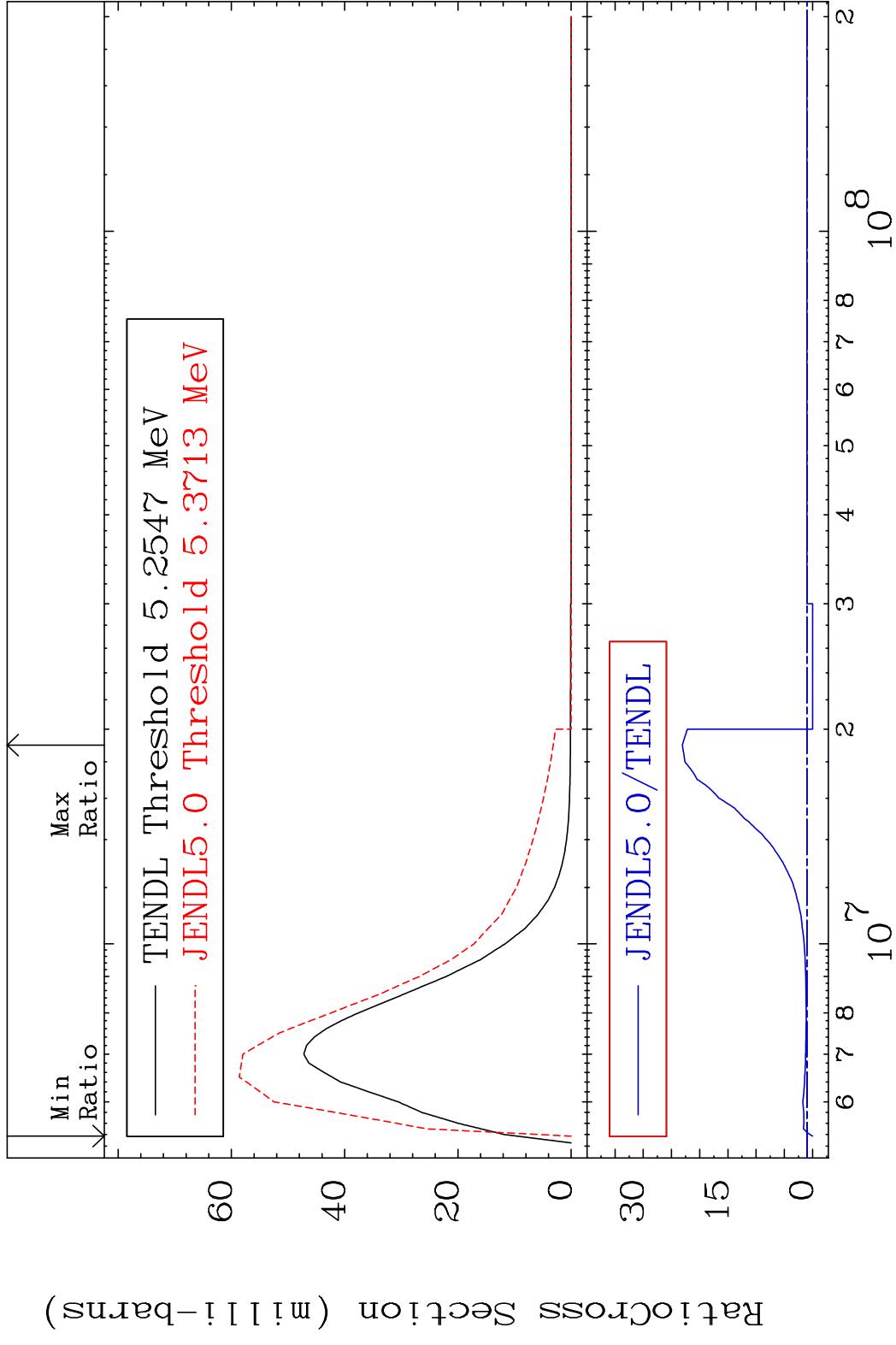


MAT 2049 MT= 56 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1621. %



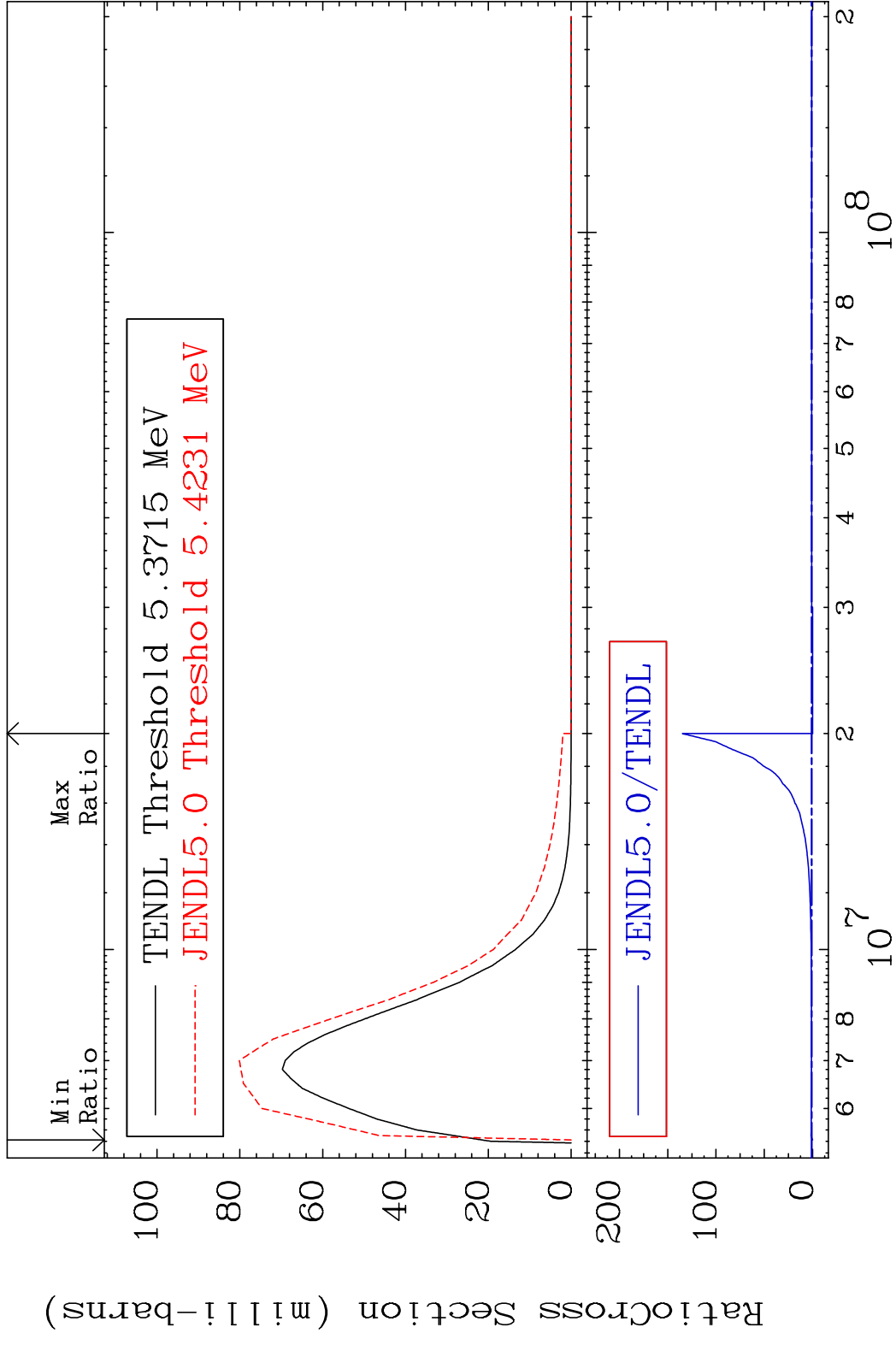
14 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 57 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 2207. %



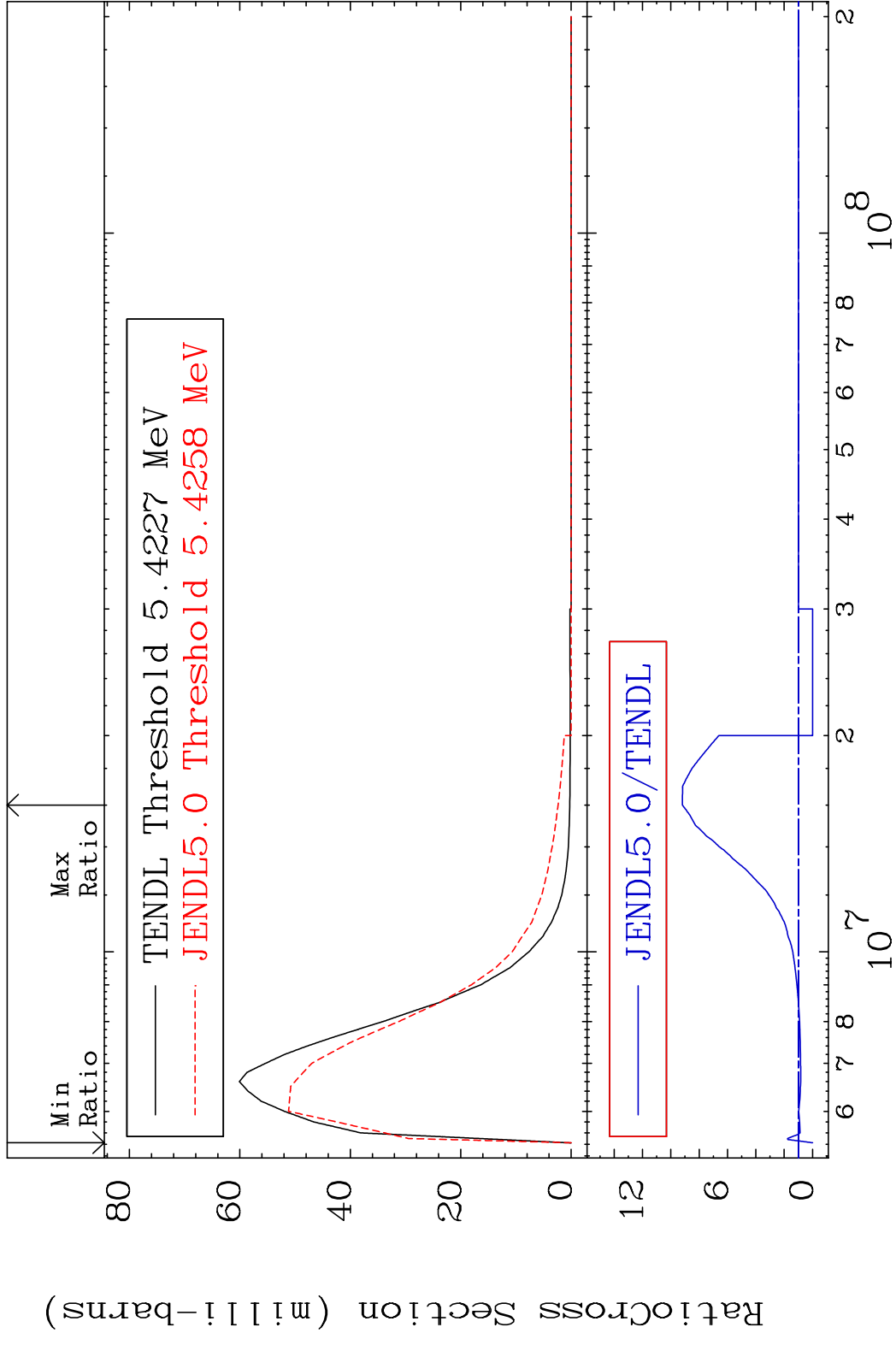
15

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



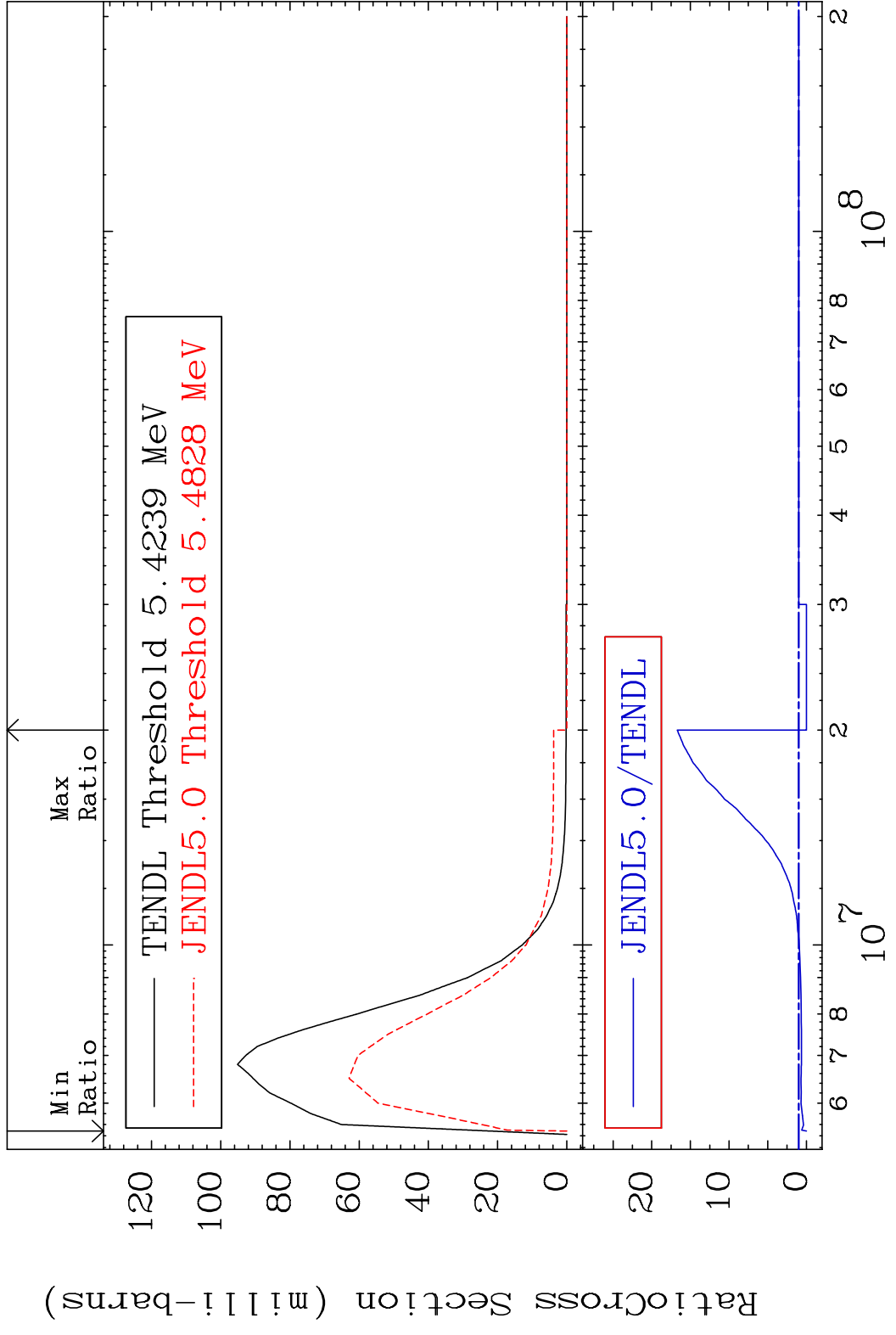
16 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 59 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 818.7 %

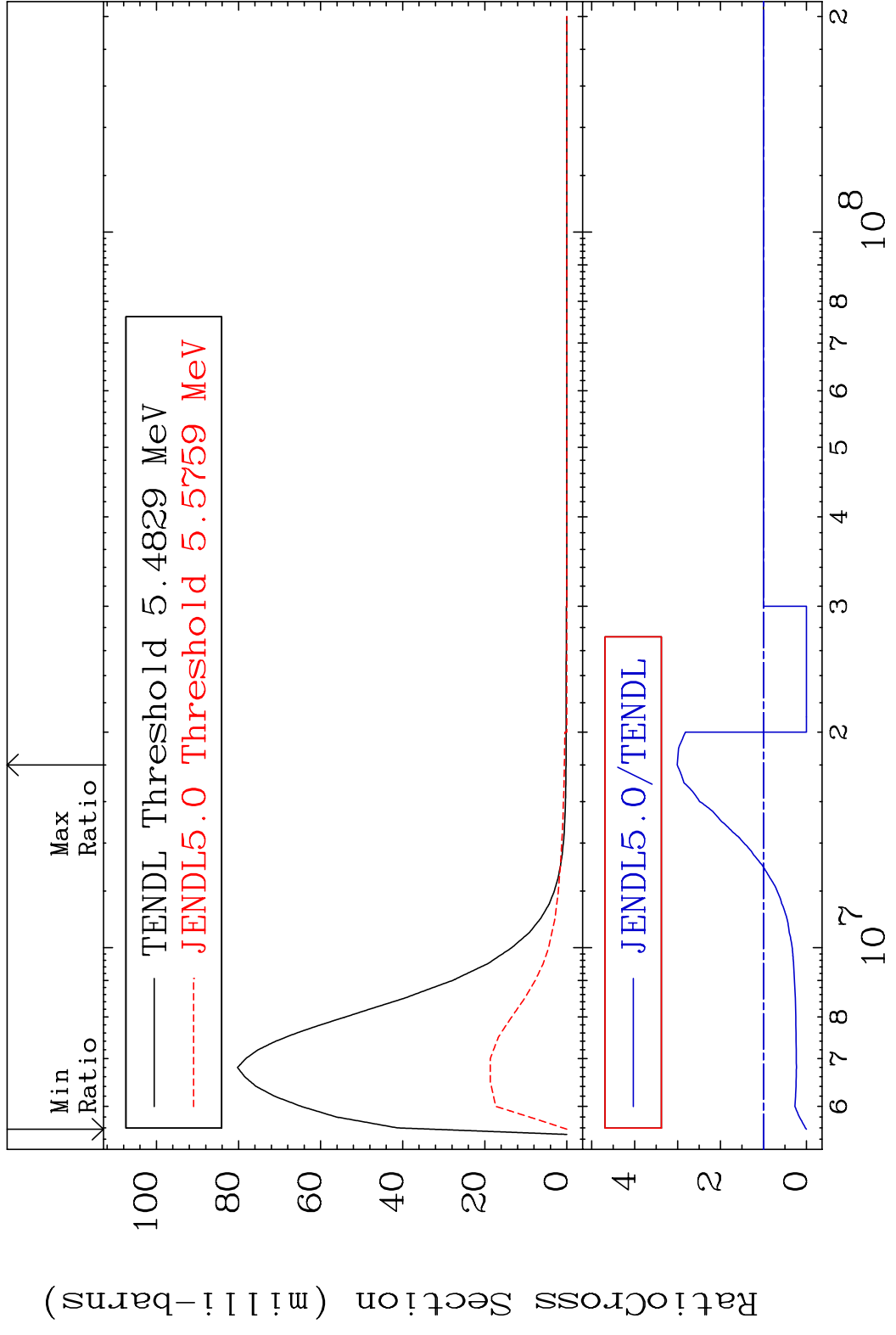


17 17 Incident Energy (eV) 20-Ca-48

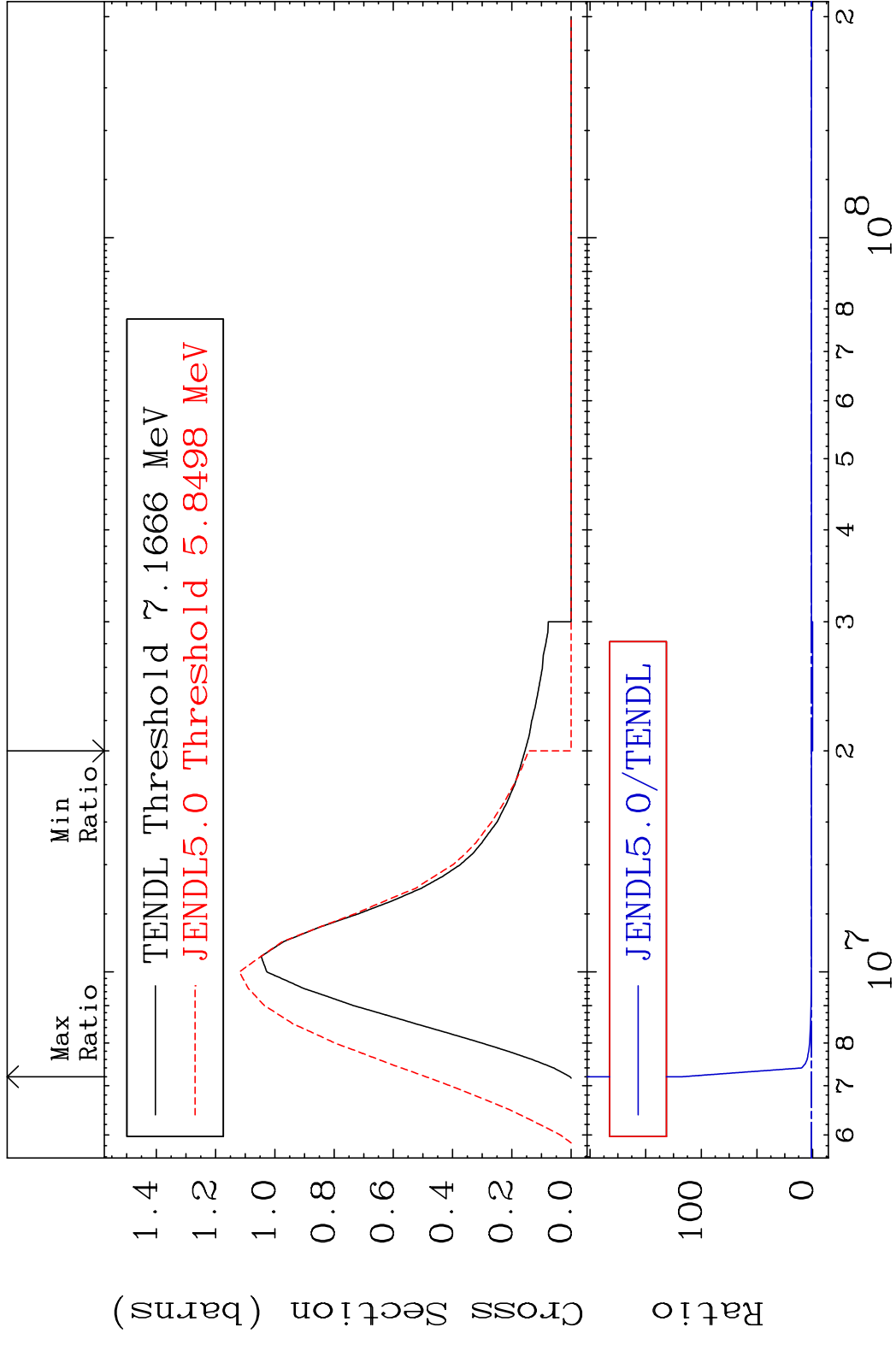
MAT 2049 MT= 60 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1571. %



MAT 2049 MT= 61 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 201.0 %



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

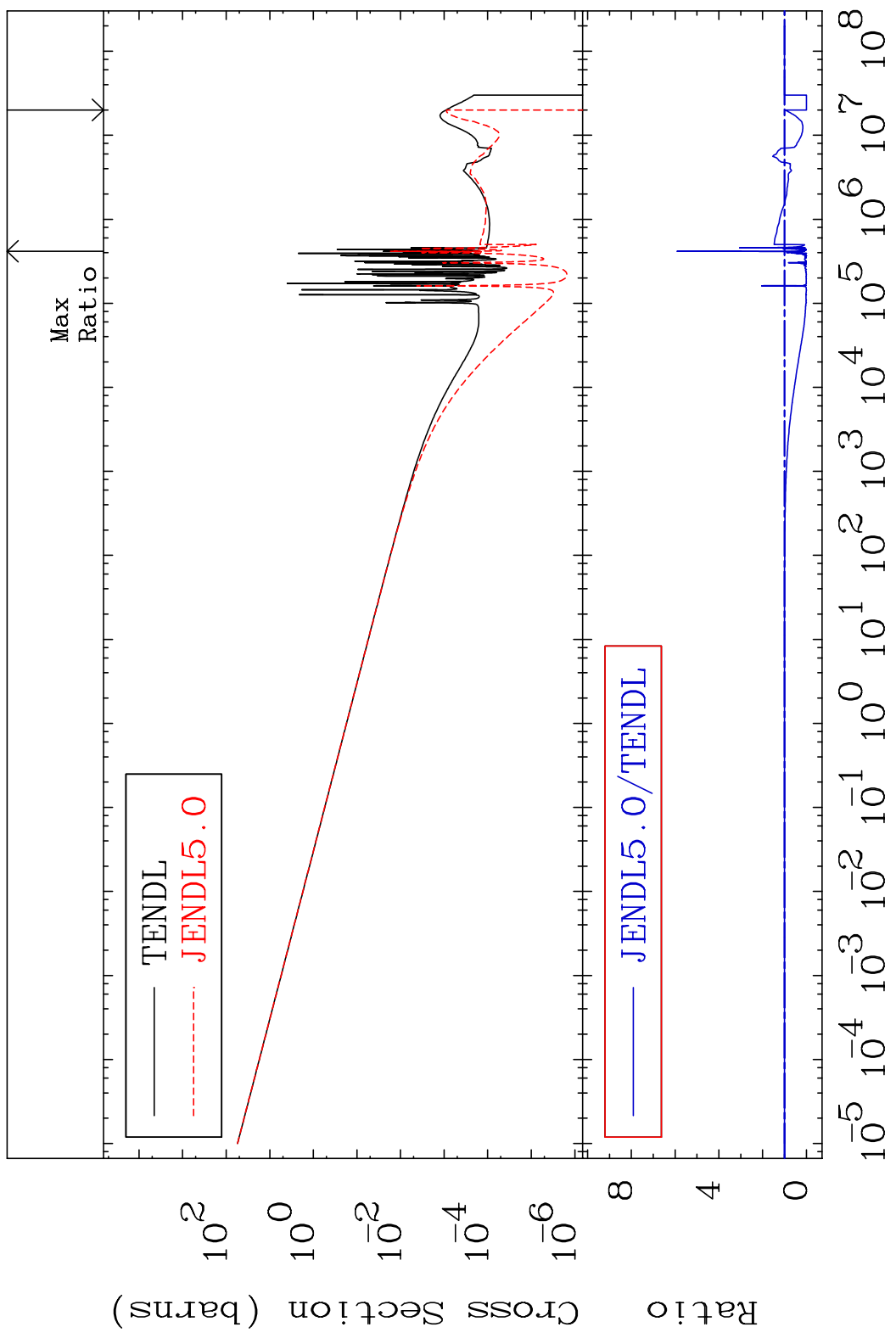


MAT 2049

(n, γ)

20-Ca-48

Cross Section -100.0 To 490.5 %

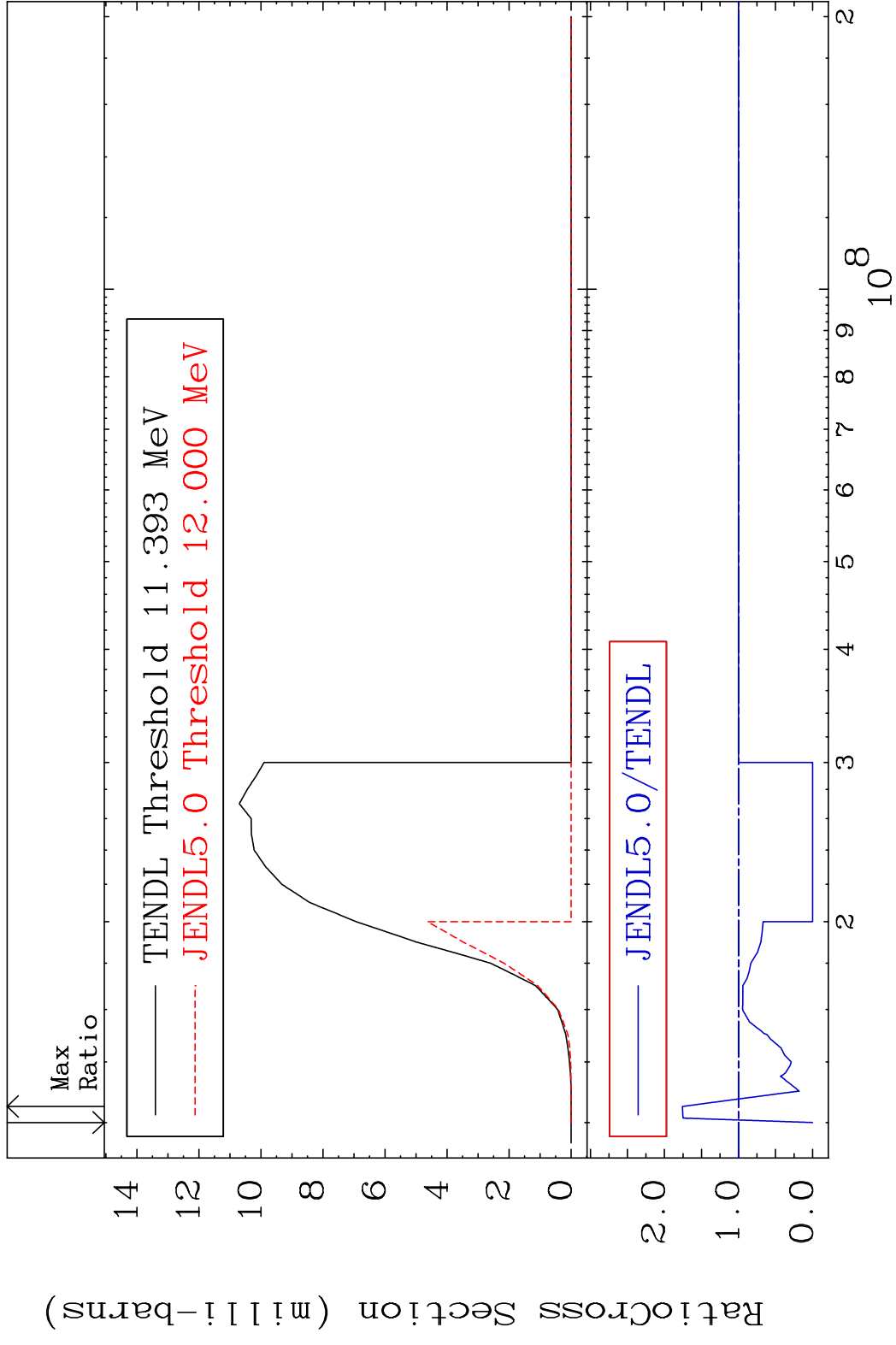


21

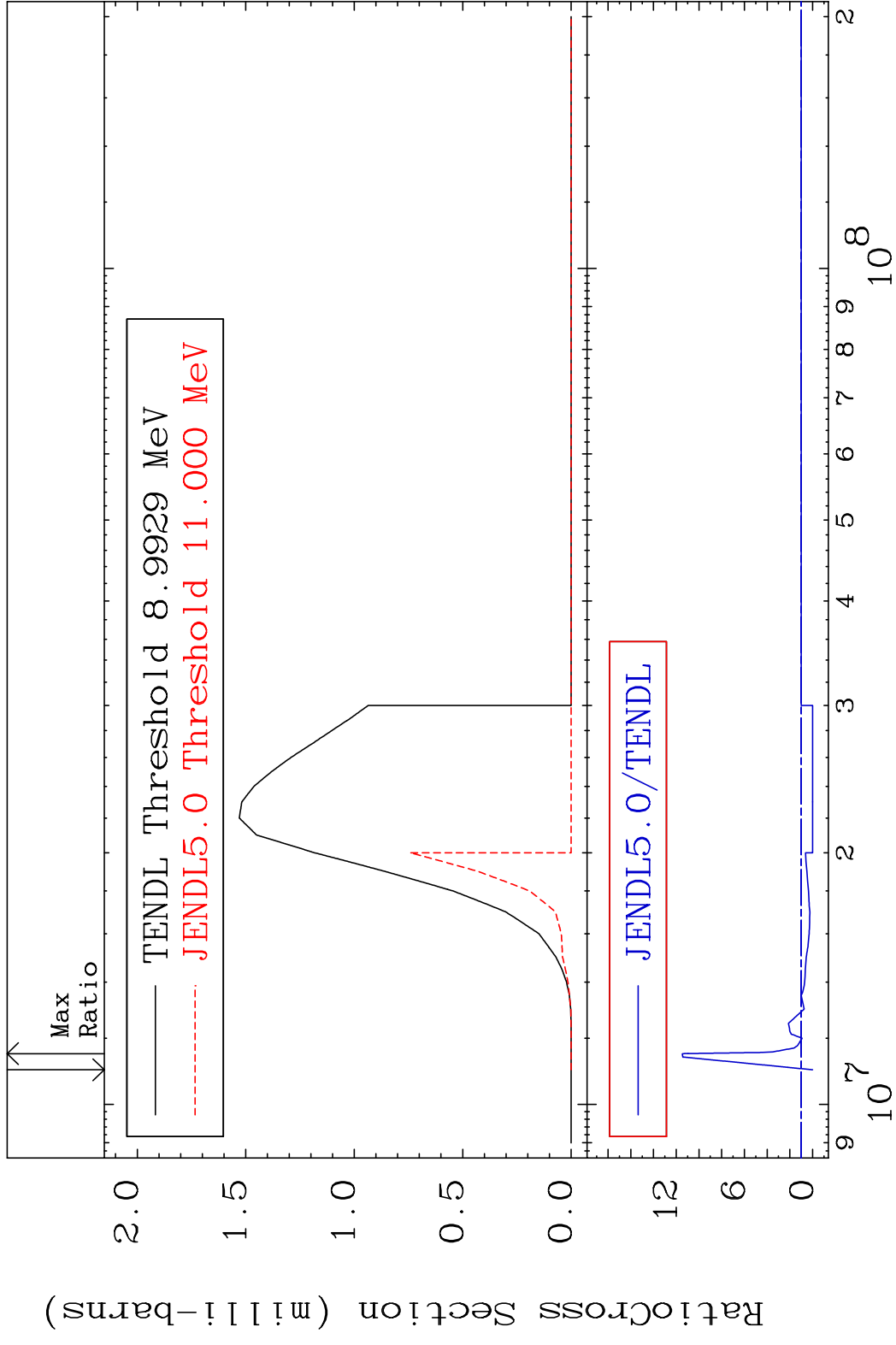
Incident Energy (eV)

20-Ca-48

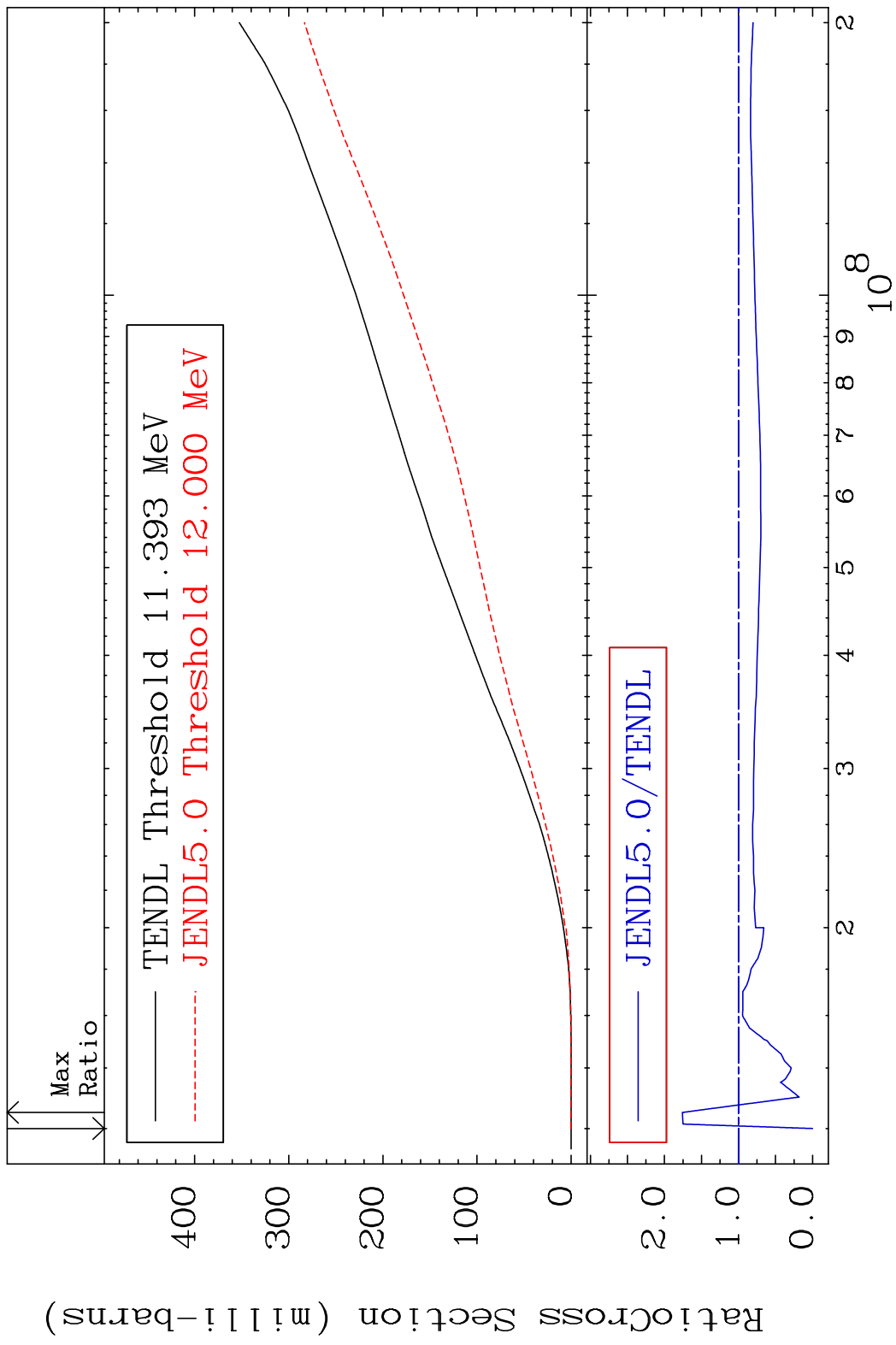
MAT 2049 (n,p) 20-Ca-48
 Cross Section -100.0 To 75.84 %



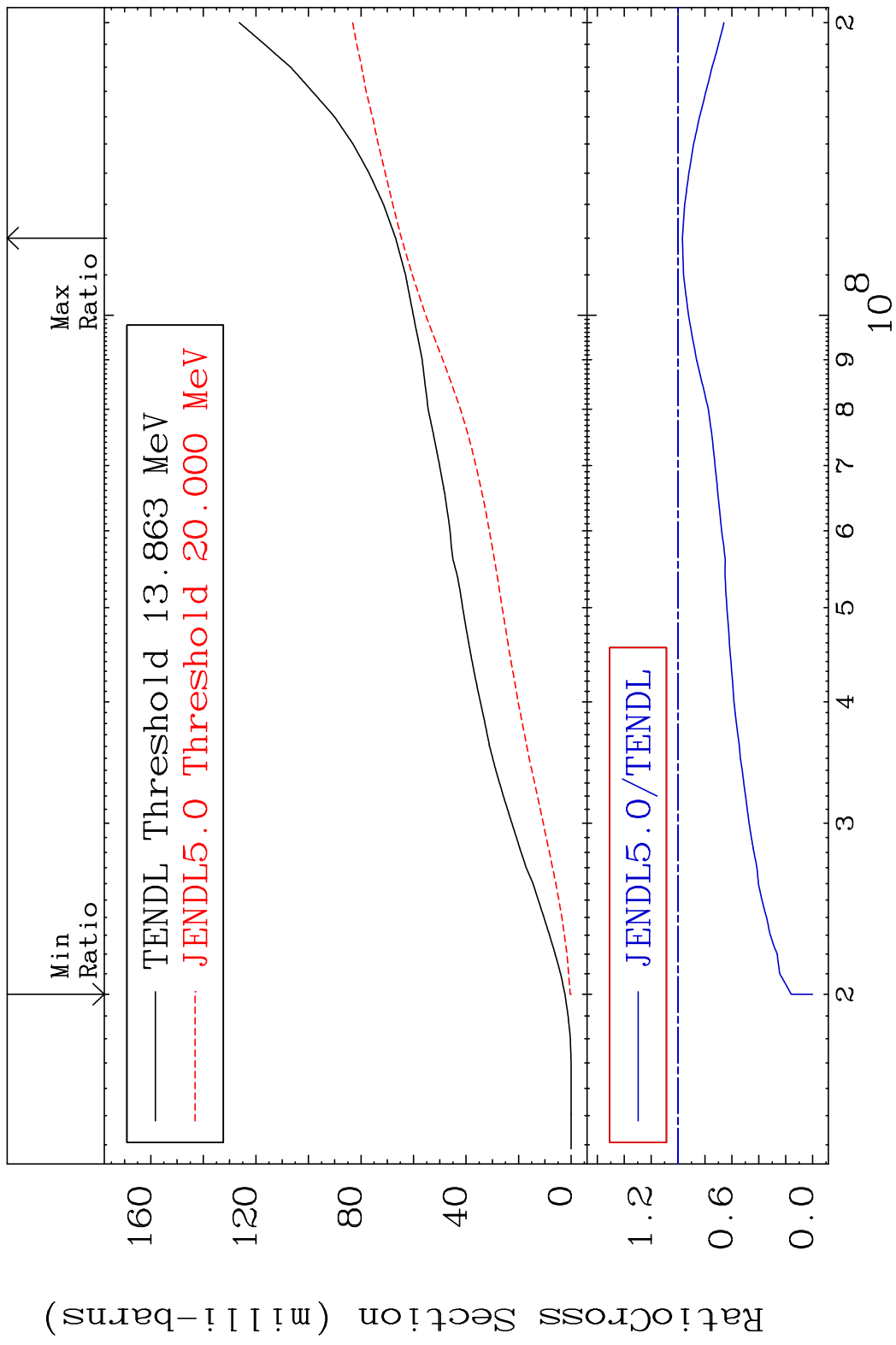
MAT 2049 (n, α) 20-Ca-48
 Cross Section -100.0 To 1046. %



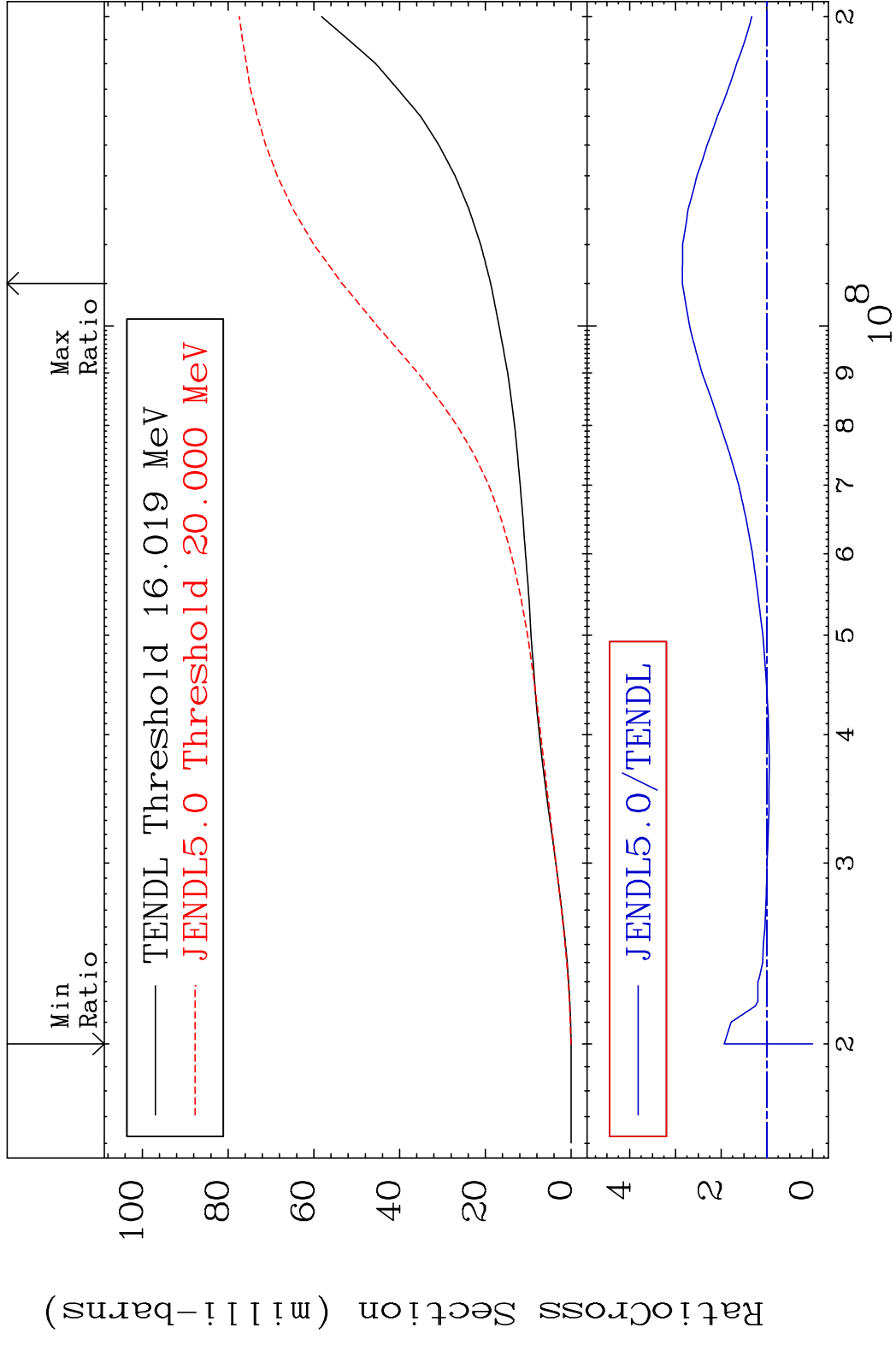
MAT 2049 Hydrogen Production 20-Ca-48
 Cross Section -100.0 To 75.84 %



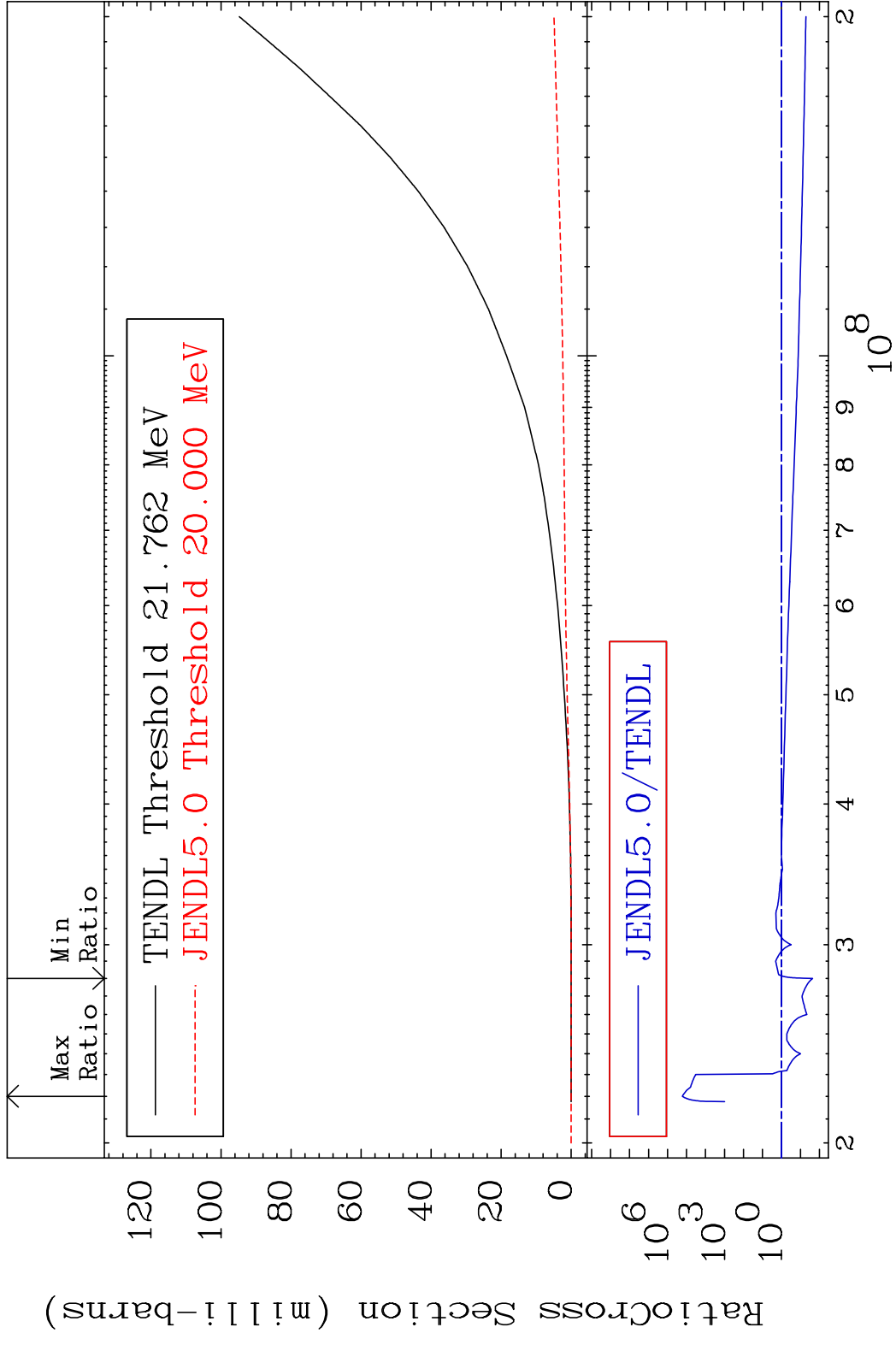
MAT 2049 Deuterium Production 20-Ca-48
 Cross Section -100.0 To -3.259%



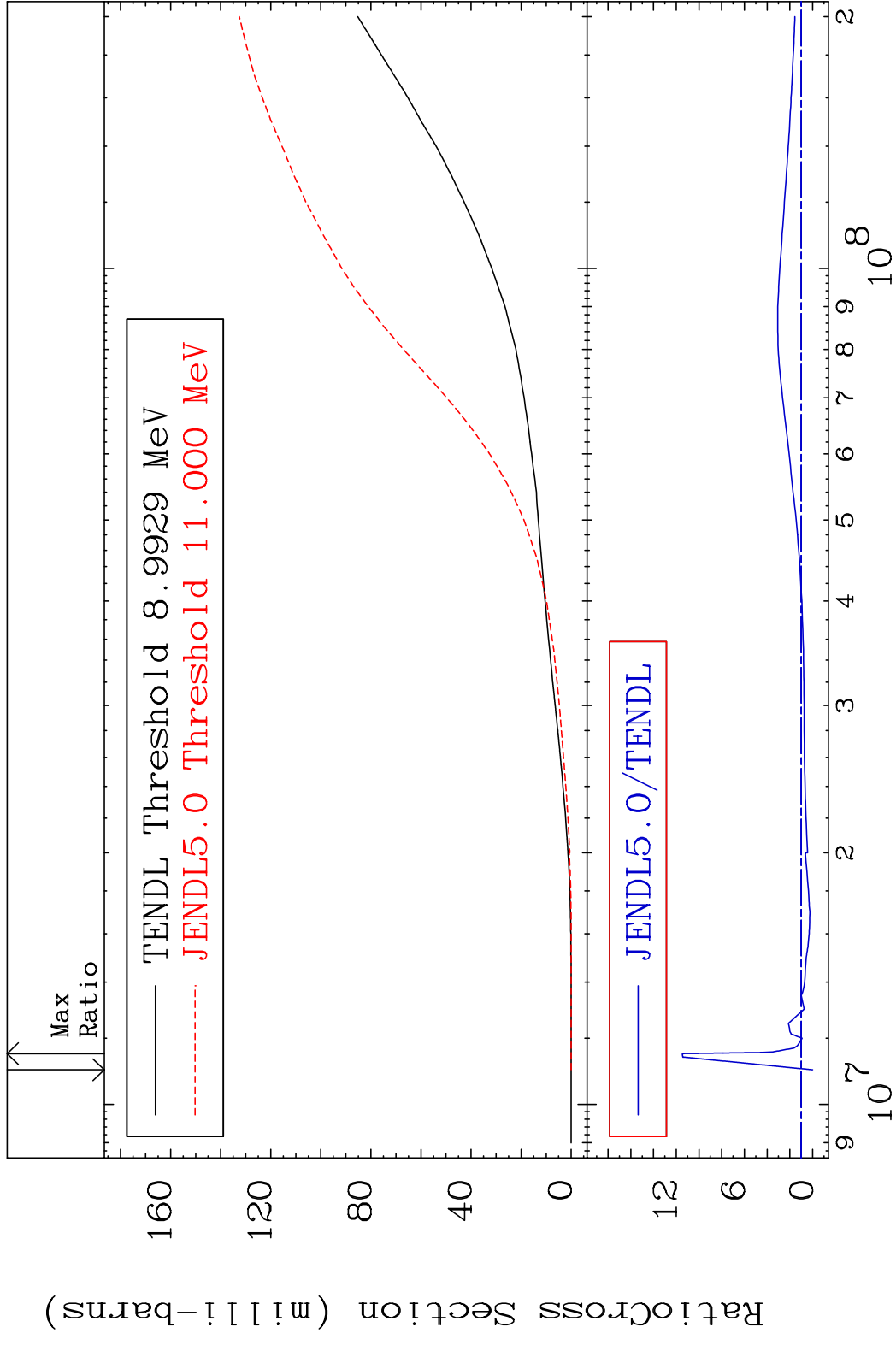
MAT 2049 Tritium Production 20-Ca-48
 Cross Section -100.0 To 184.9 %



Cross Section -97.70 To 9999. %

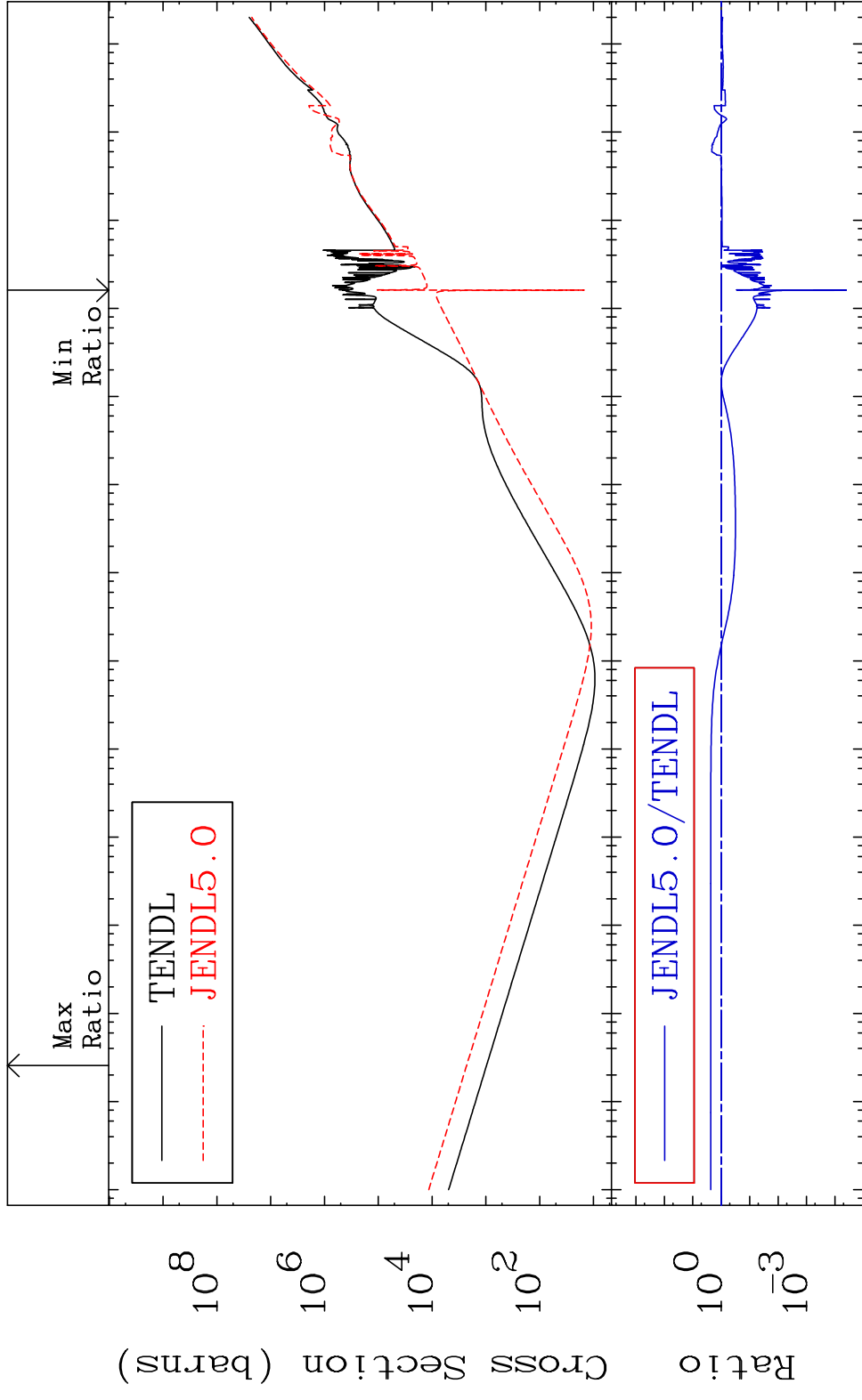


MAT 2049 He-4 Production 20-Ca-48
 Cross Section -100.0 To 1046. %



28 20-Ca-48

MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 134.6 %



10⁸
 10⁶
 10⁴
 10²
 10⁰
 10⁻³

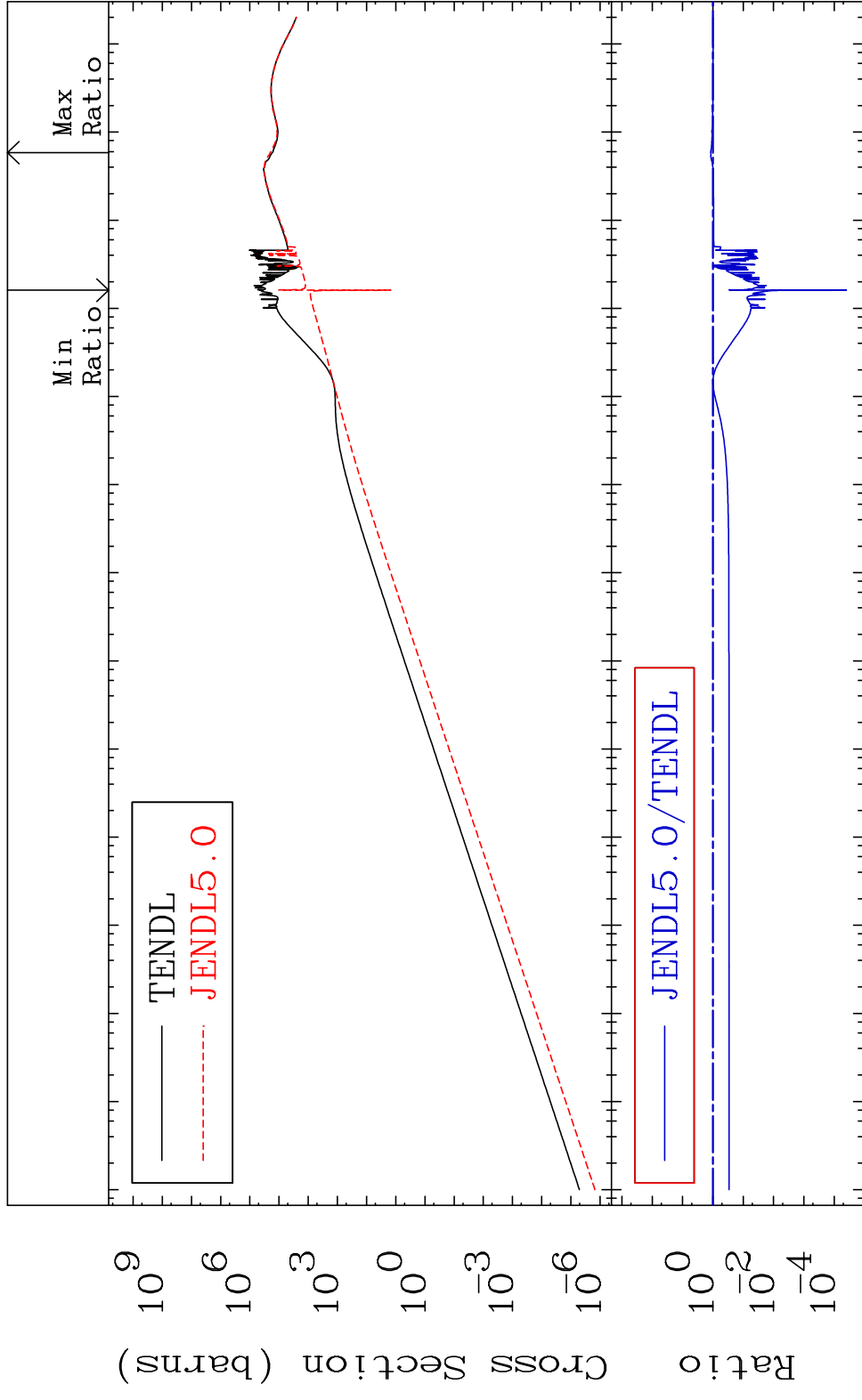
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

29 Incident Energy (eV) 20-Ca-48

MAT 2049

Kerma elastic
Cross Section

20-Ca-48
-100.0 To 17.77 %

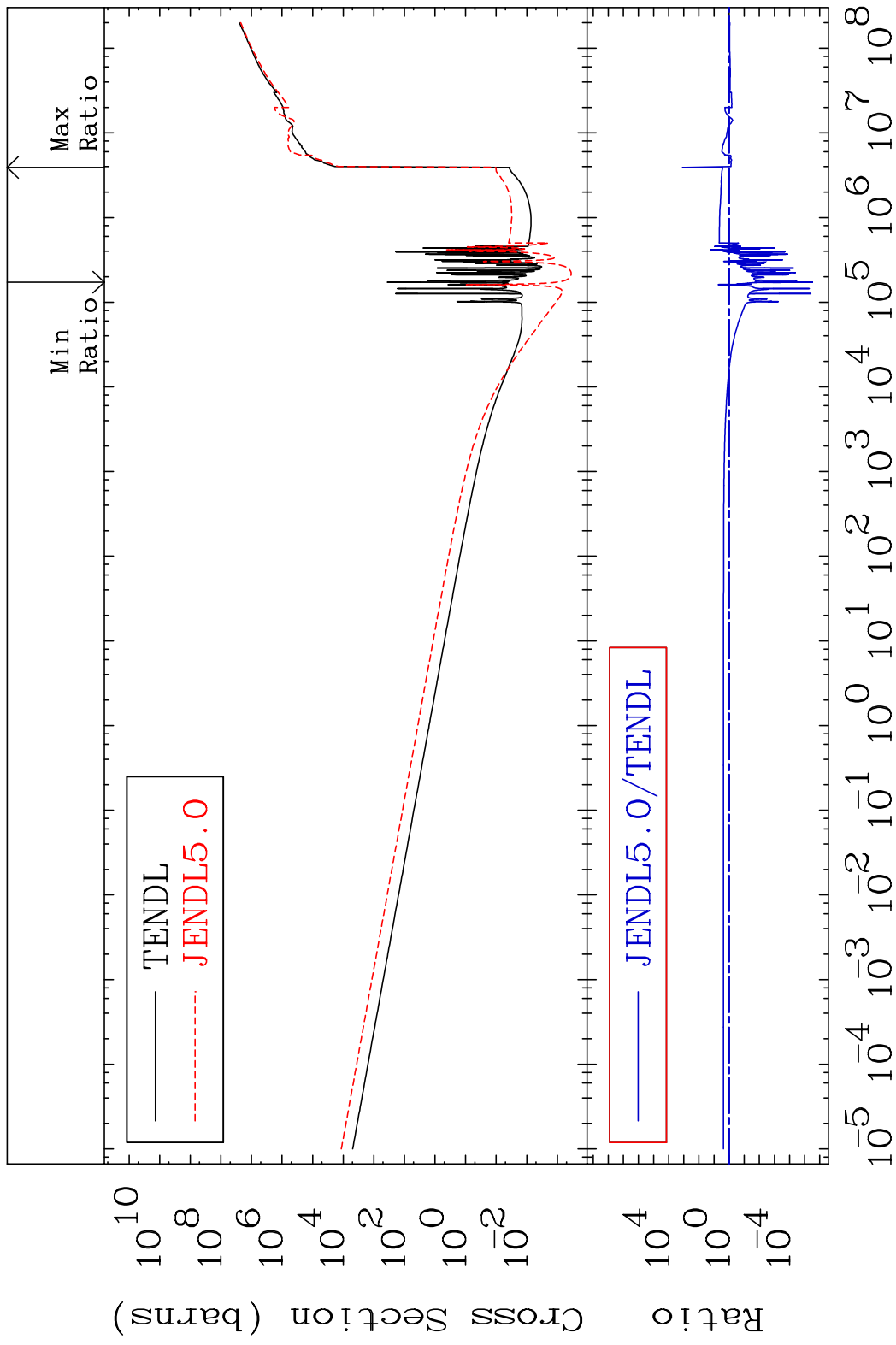


30

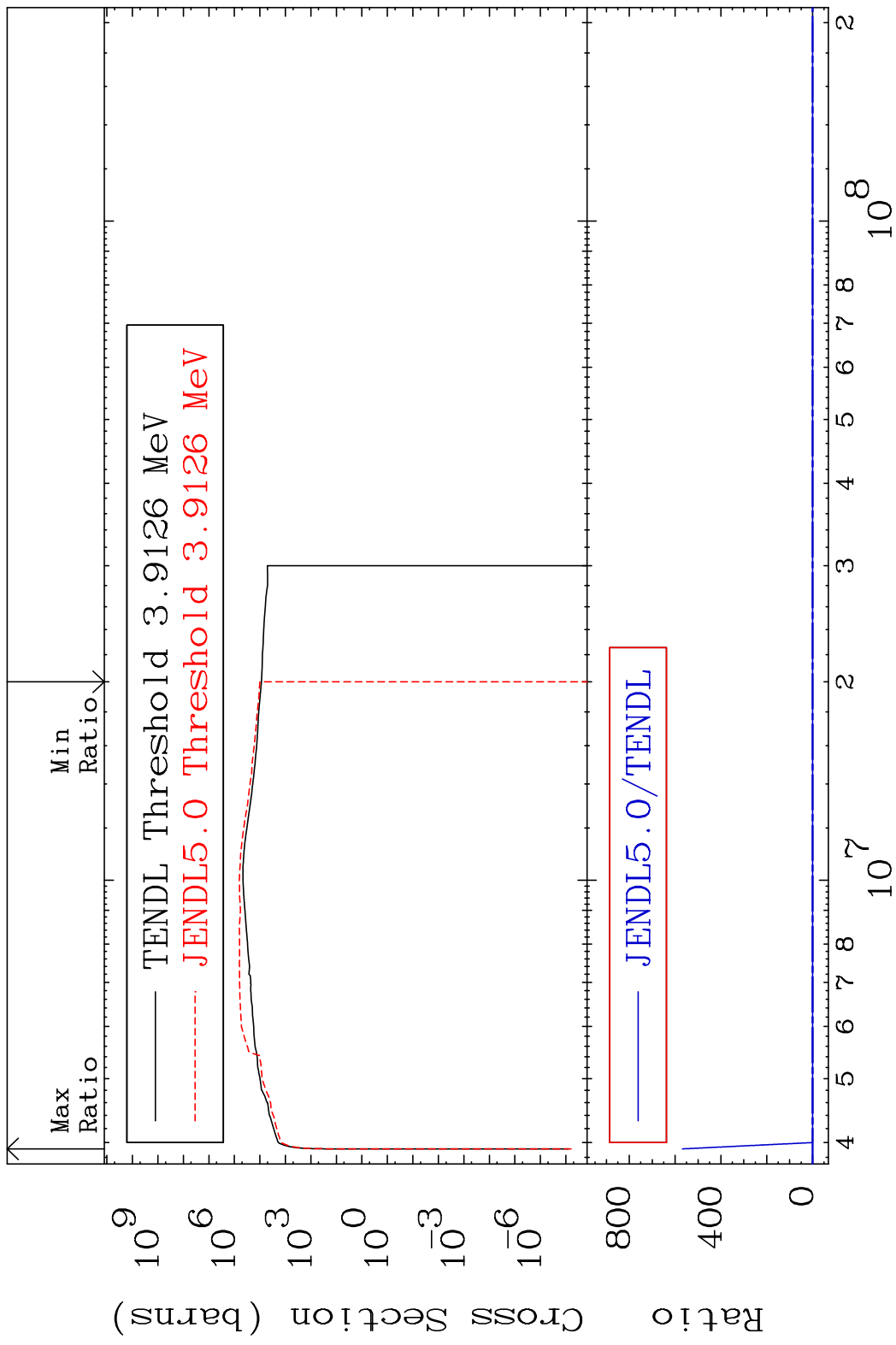
Incident Energy (eV)

20-Ca-48

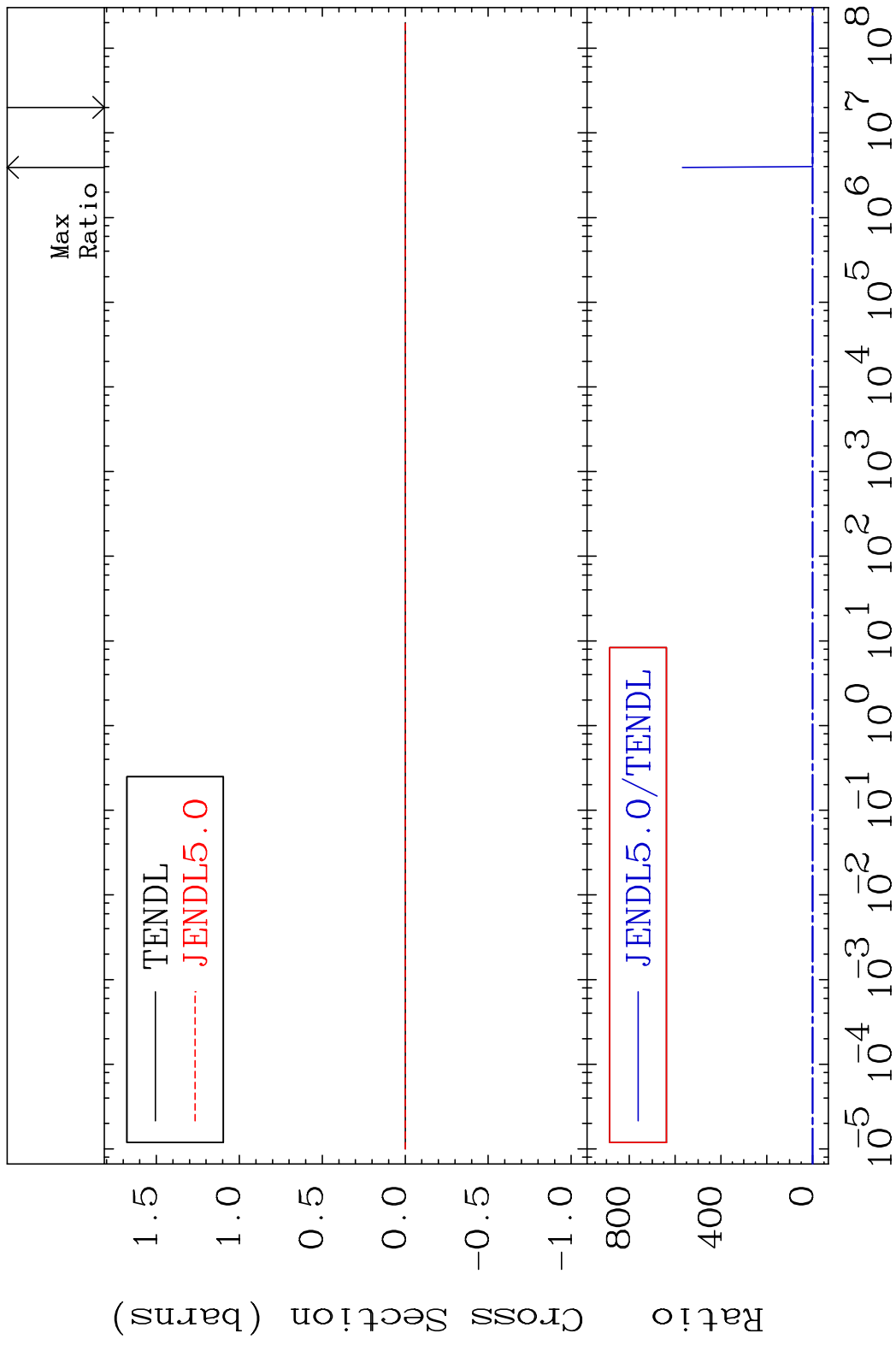
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -100.0 To 9999. %



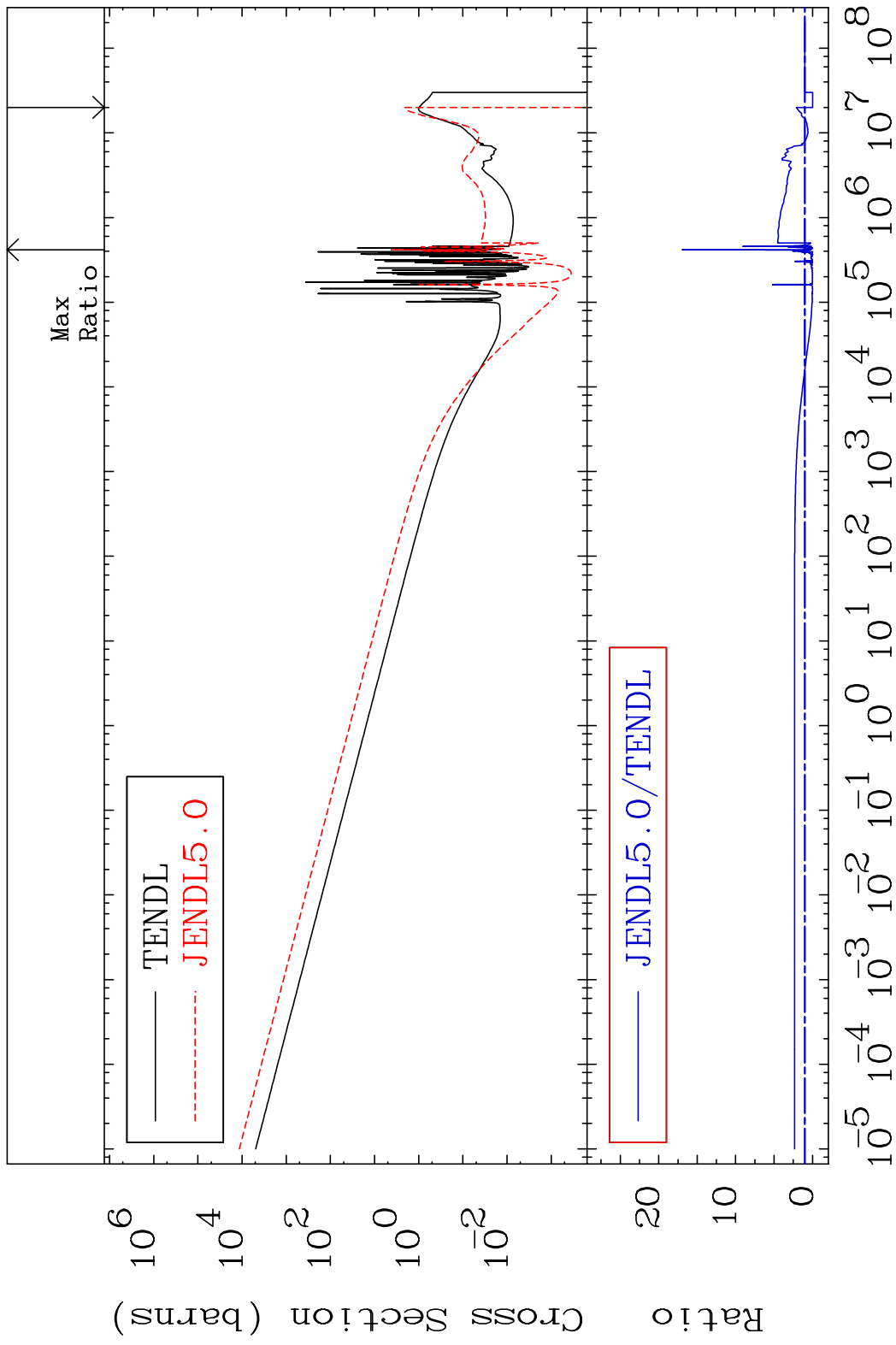
MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -100.0 To 9999. %



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

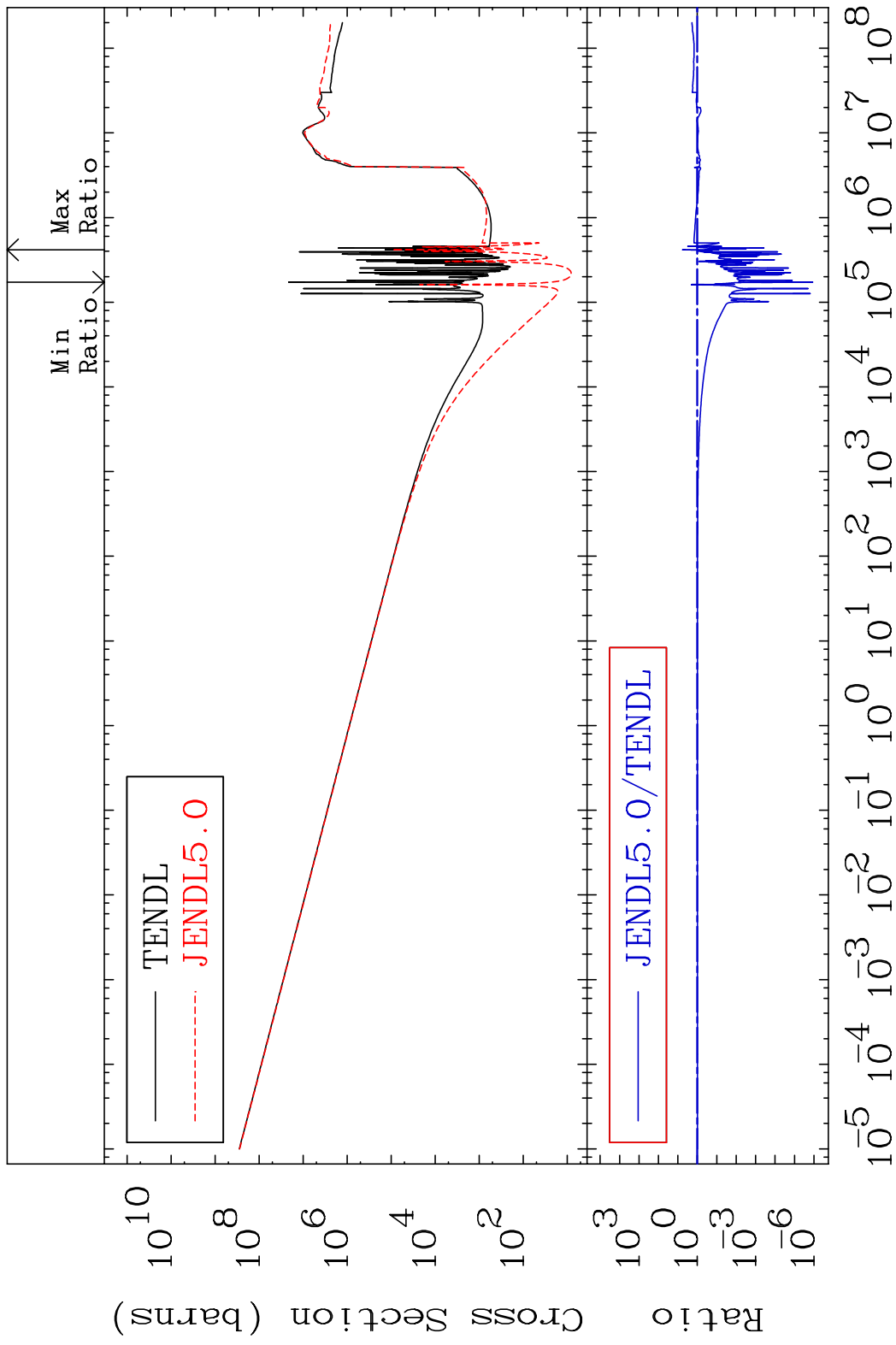


MAT 2049 Kerma capture (mt102) 20-Ca-48
 Cross Section -100.0 To 1593. %



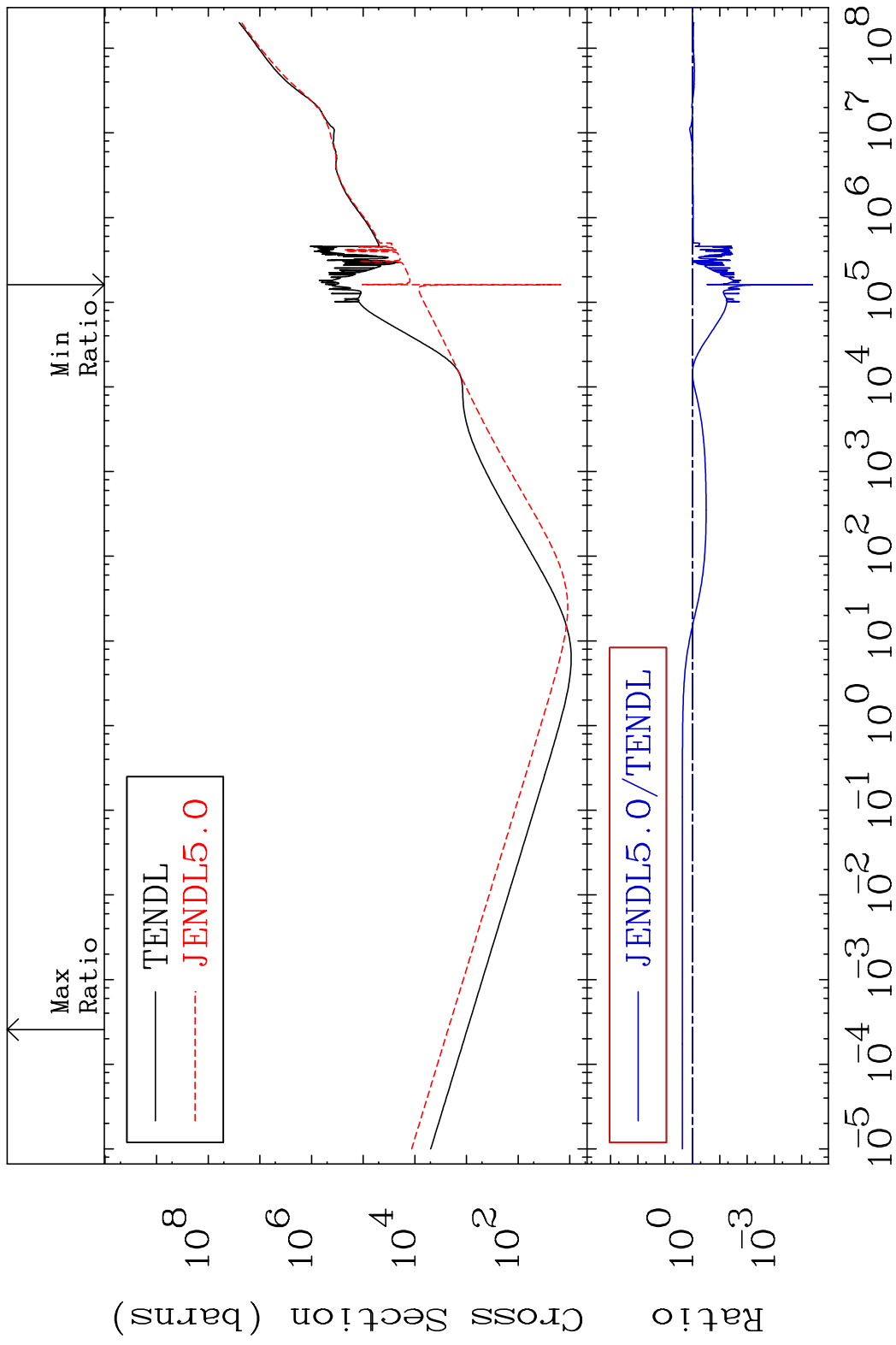
34 Incident Energy (eV) 20-Ca-48

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

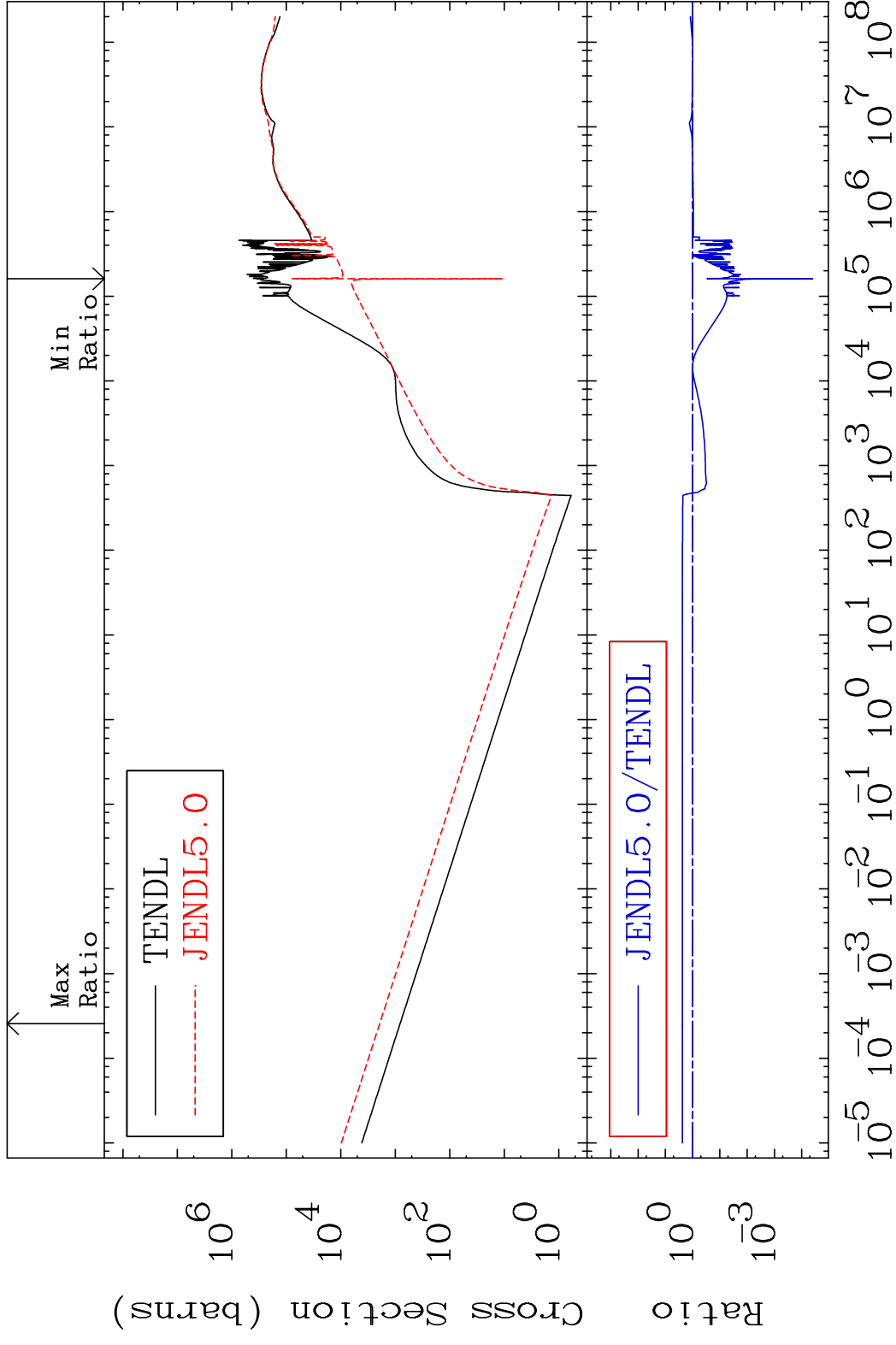


35 Incident Energy (eV) 20-Ca-48

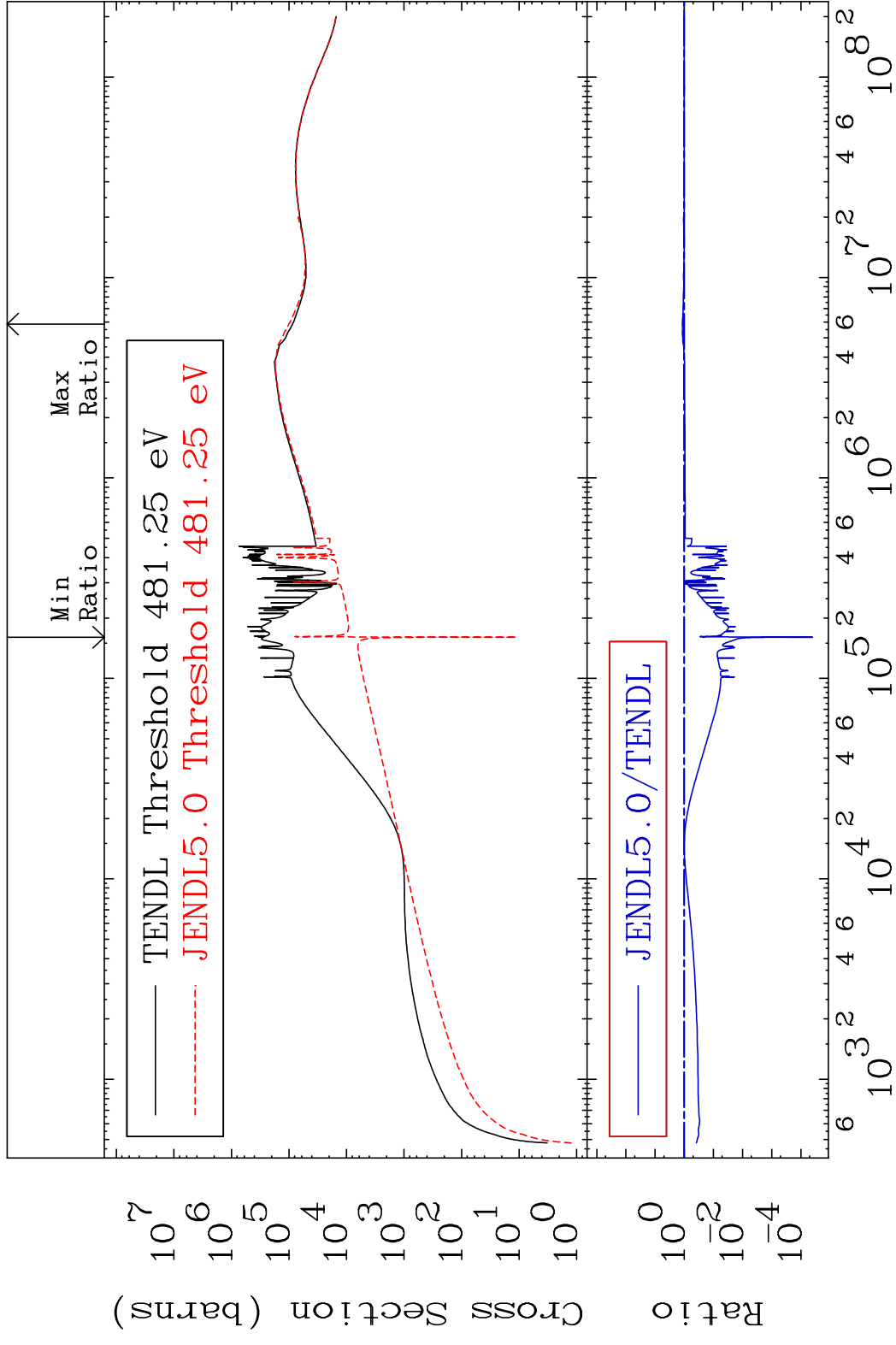
MAT 2049 Total kinematic kerma (high limit) 20-Ca-48
 Cross Section -100.0 To 134.6 %



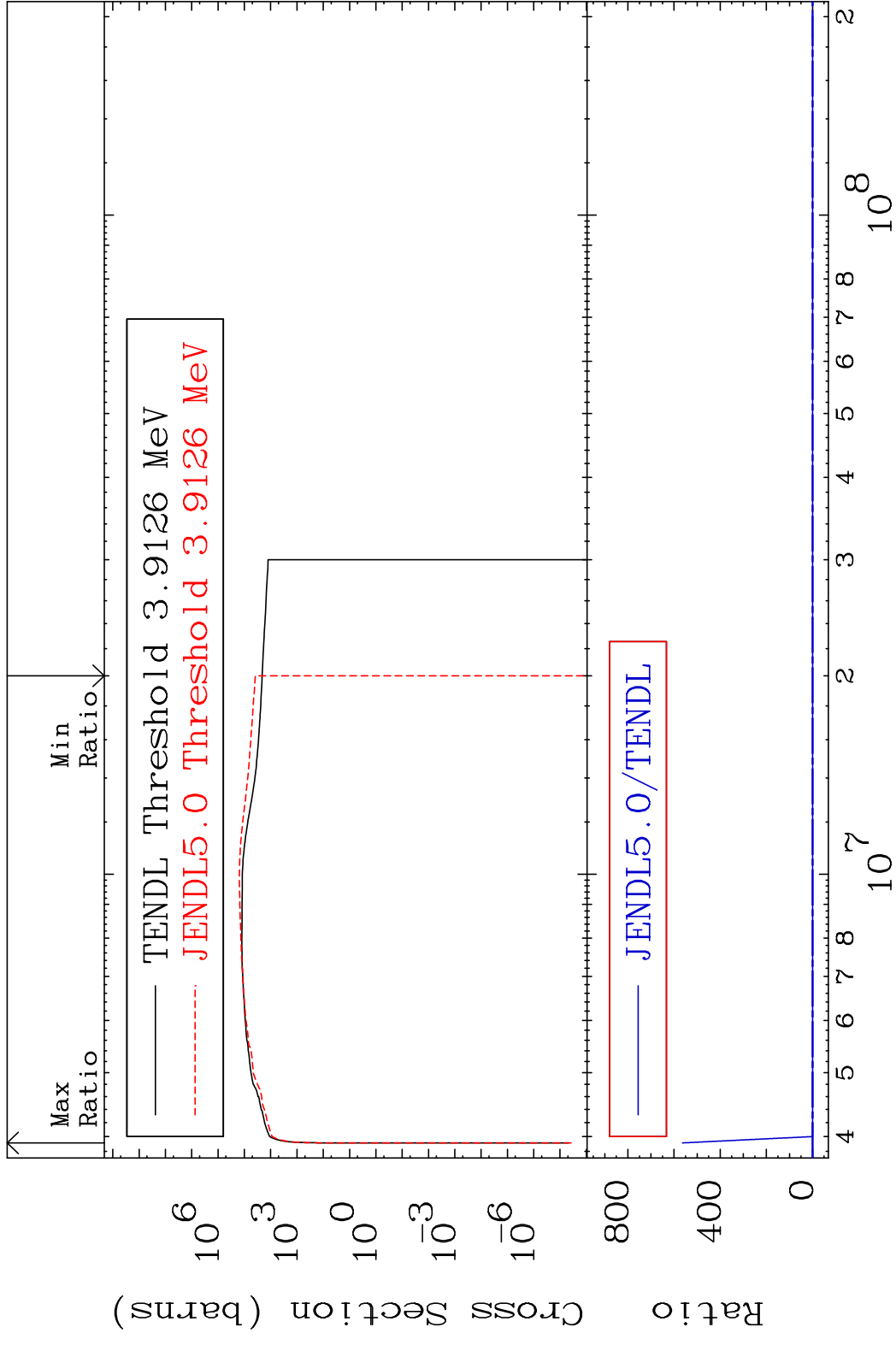
MAT 2049 Dpa total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 137.4 %



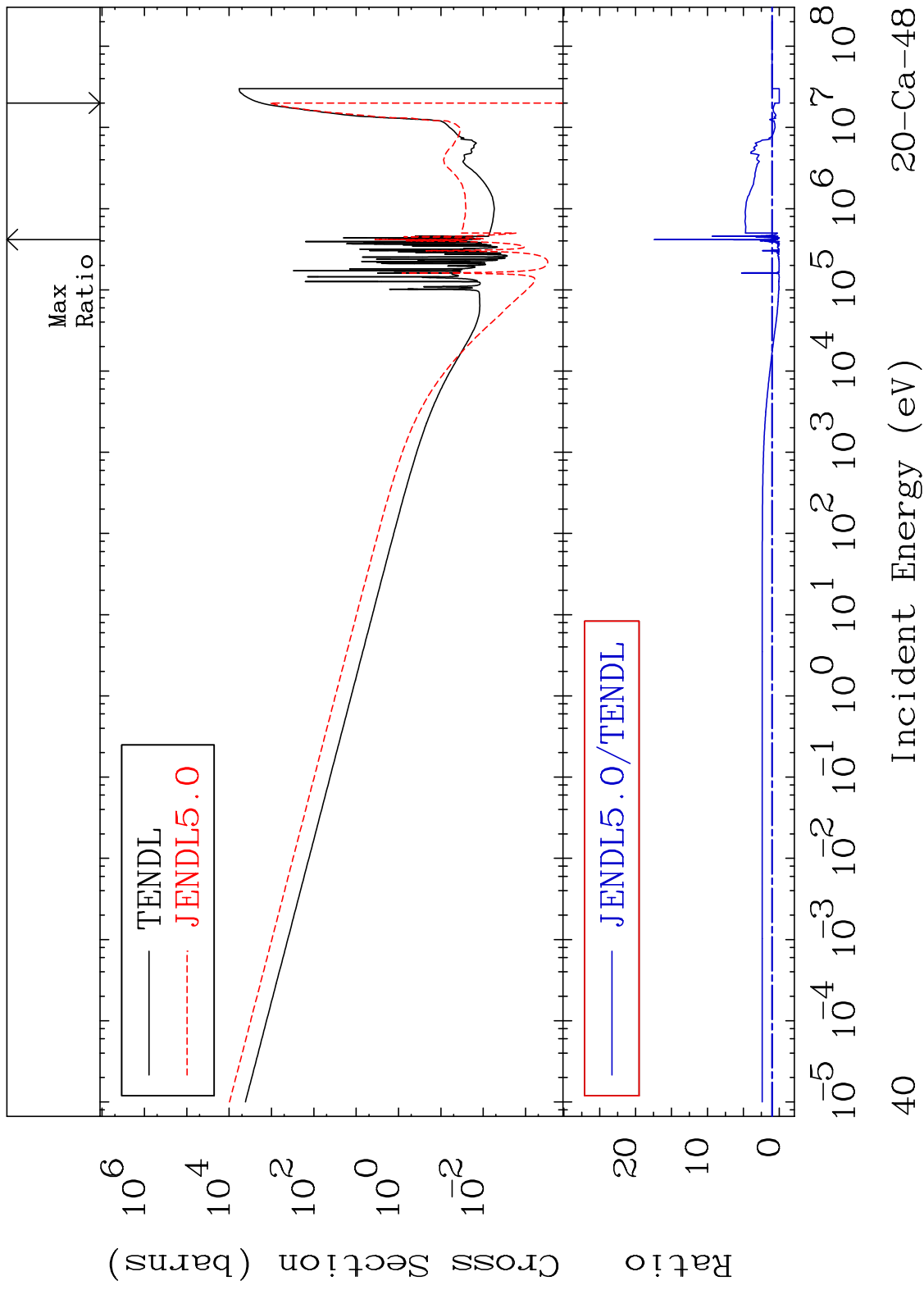
MAT 2049 Dpa elastic (mt2) 20-Ca-48
 Cross Section -100.0 To 16.04 %



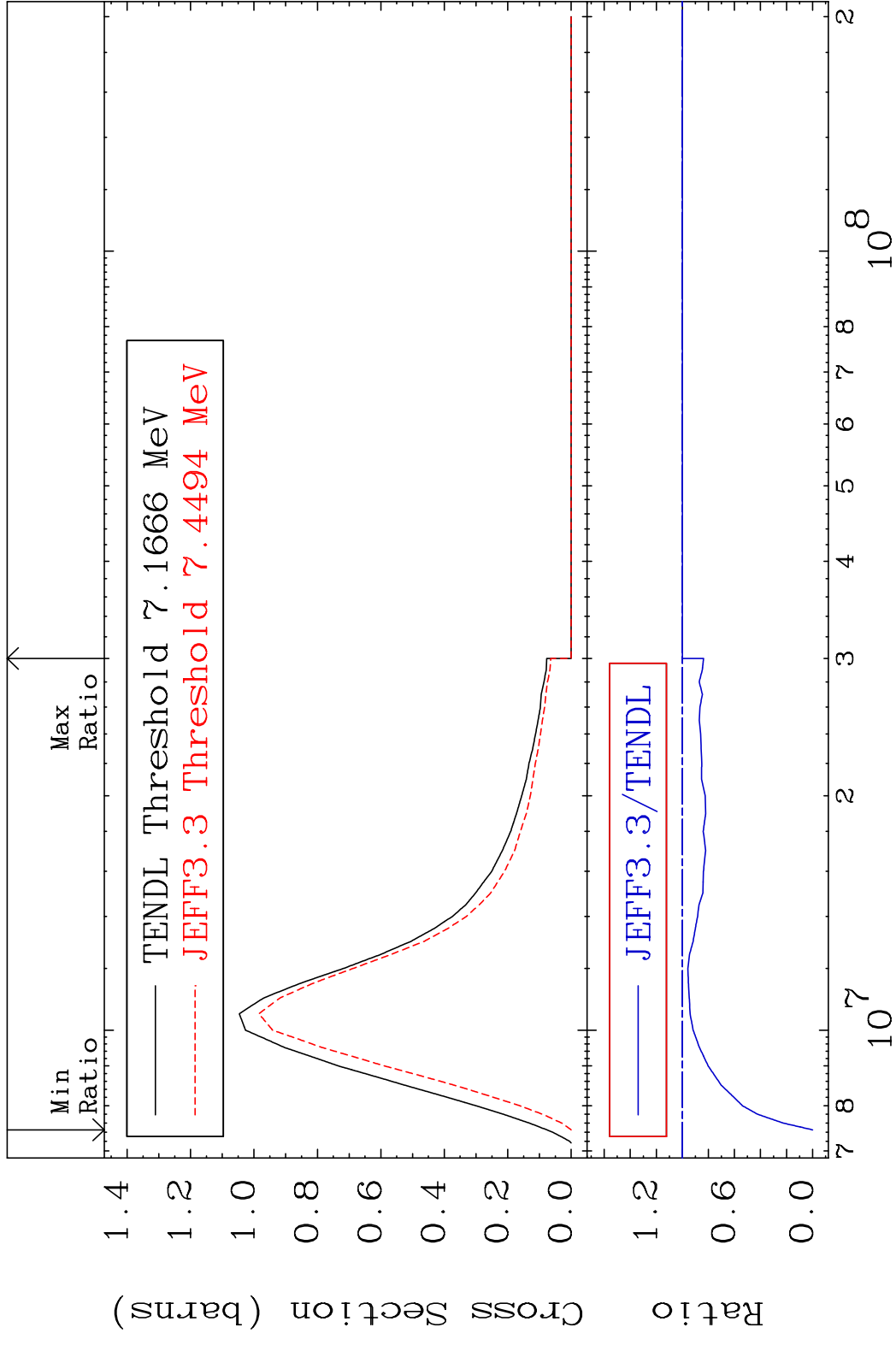
MAT 2049 Dpa inelastic (mt51-91) 20-Ca-48
 Cross Section -100.0 To 9999. %



MAT 2049 Dpa disappearance (mt102 -120) 20-Ca-48
Cross Section -100.0 To 1639. %



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

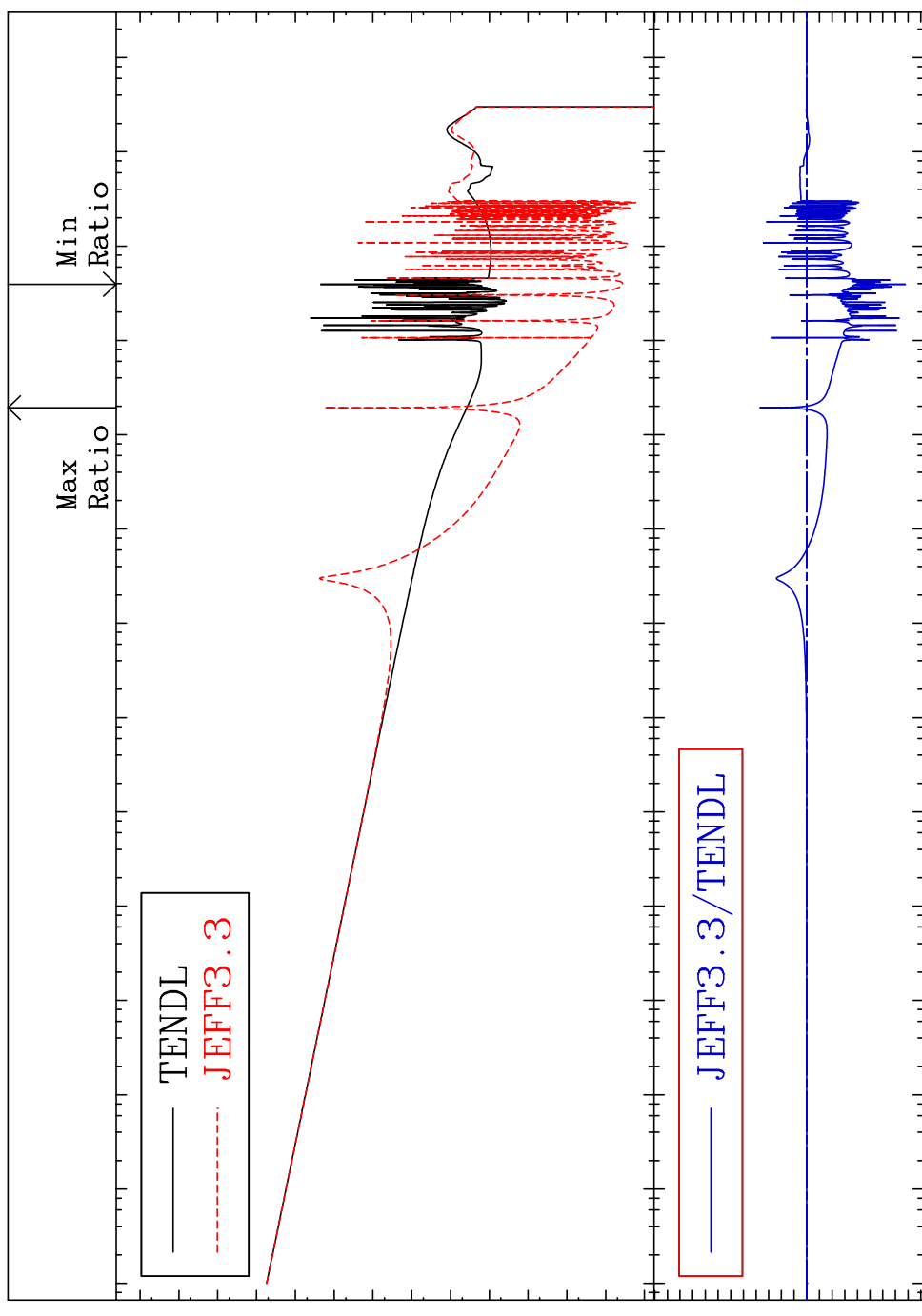


MAT 2049

(n, γ)

20-Ca-48

Cross Section -100.0 To 9999. %



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

42

Incident Energy (eV)

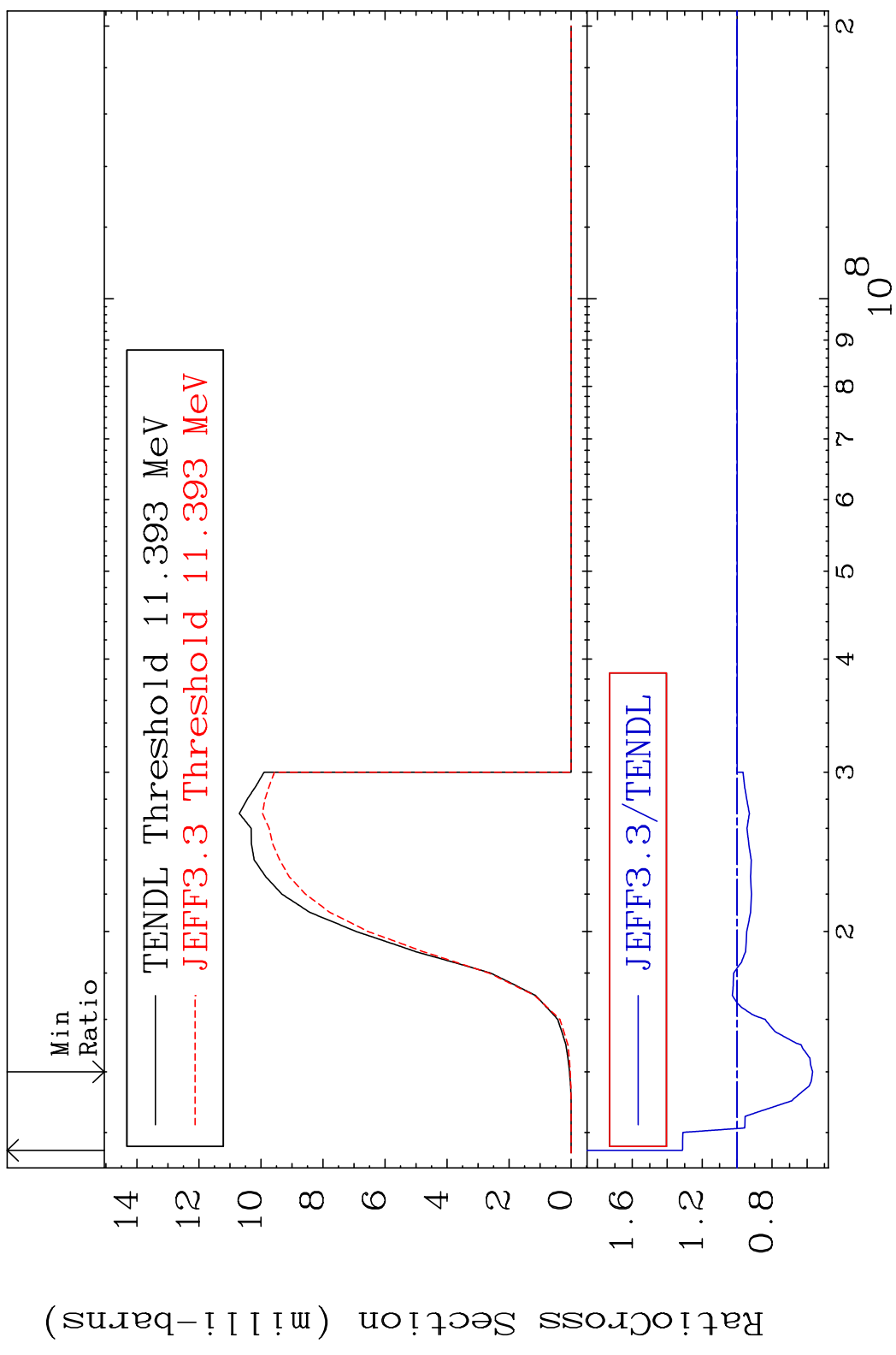
20-Ca-48

MAT 2049

(n, p)

20-Ca-48

Cross Section -43.14 To 31.34 %



43

Incident Energy (eV)

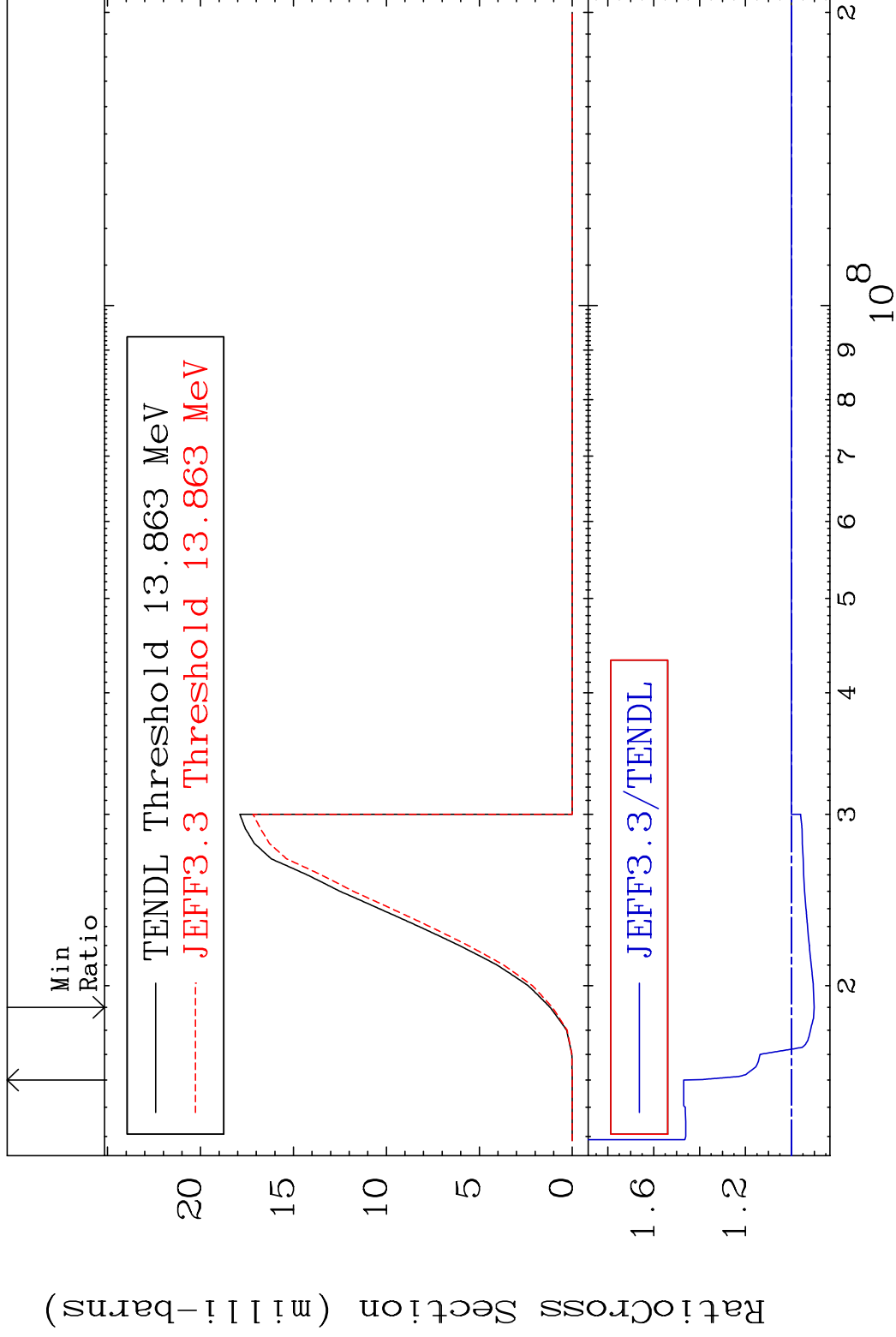
20-Ca-48

MAT 2049

(n, d)

20-Ca-48

Cross Section -9.883 To 46.93 %

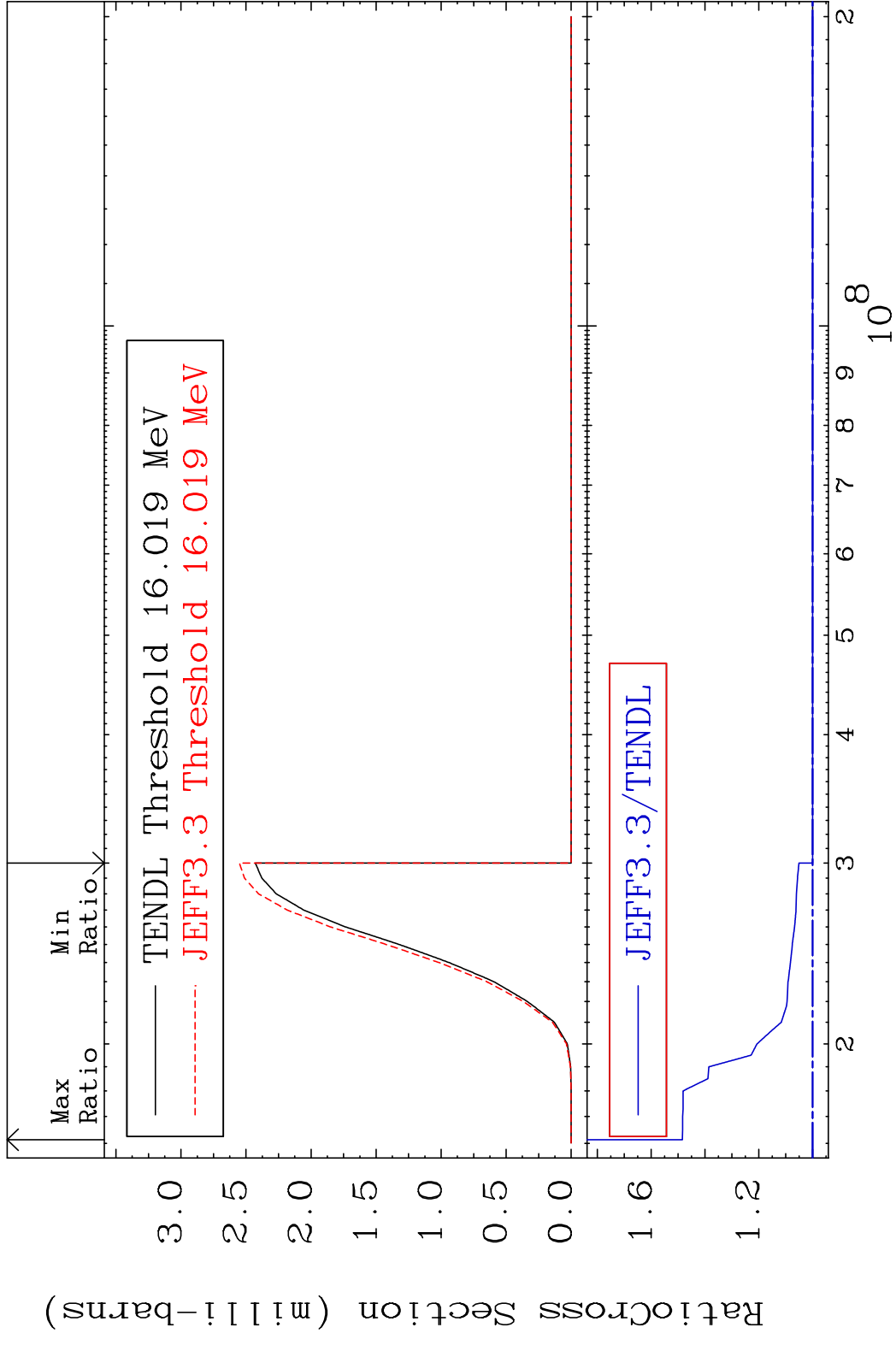


44

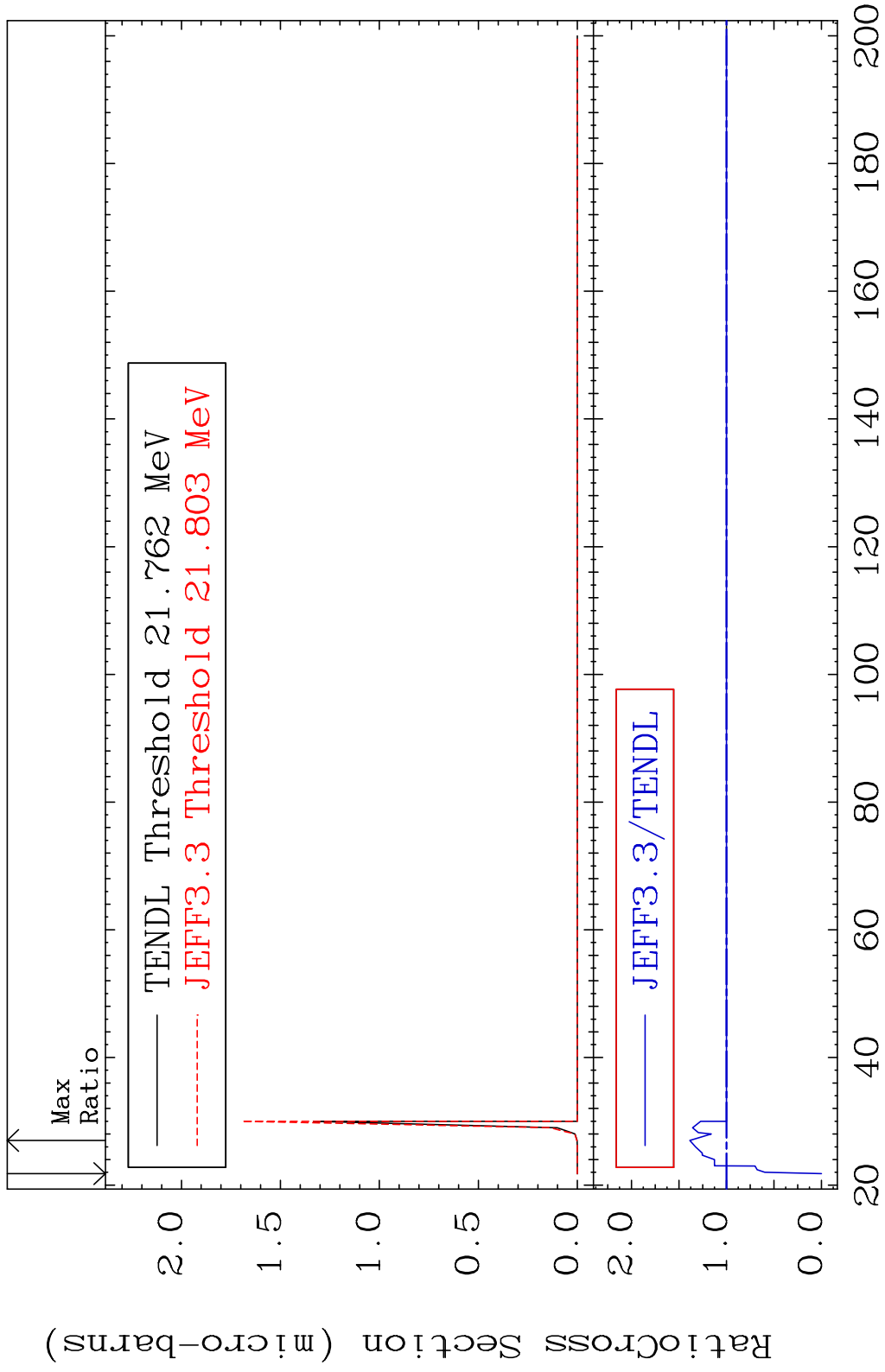
Incident Energy (eV)

20-Ca-48

MAT 2049 (n, t) 20-Ca-48
 Cross Section 0.000 To 48.41 %

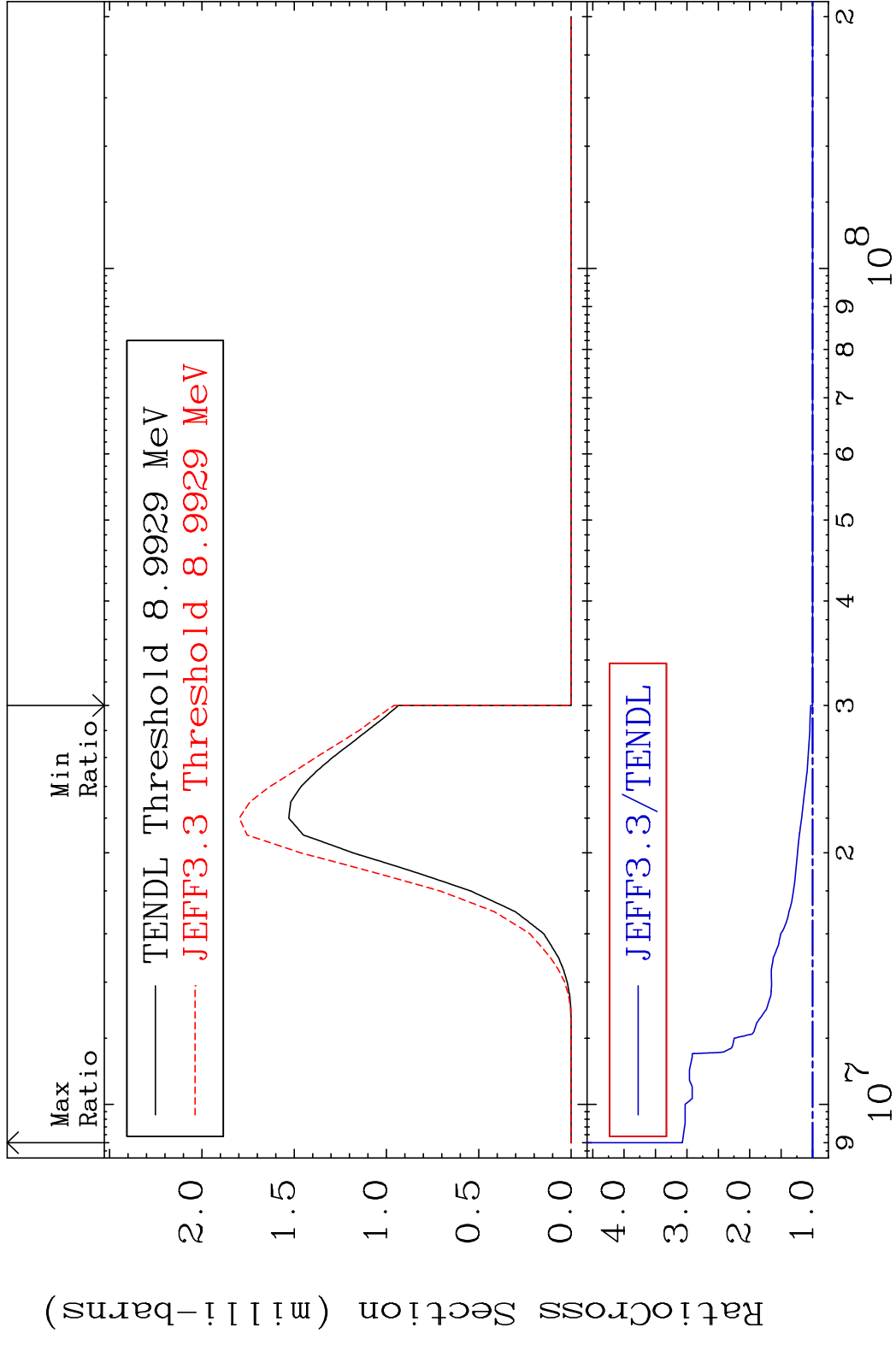


MAT 2049 (n, He-3) 20-Ca-48
Cross Section -100.0 To 38.59 %



46 20-Ca-48

MAT 2049 (n, α) 20-Ca-48
 Cross Section 0.000 To 207.3 %

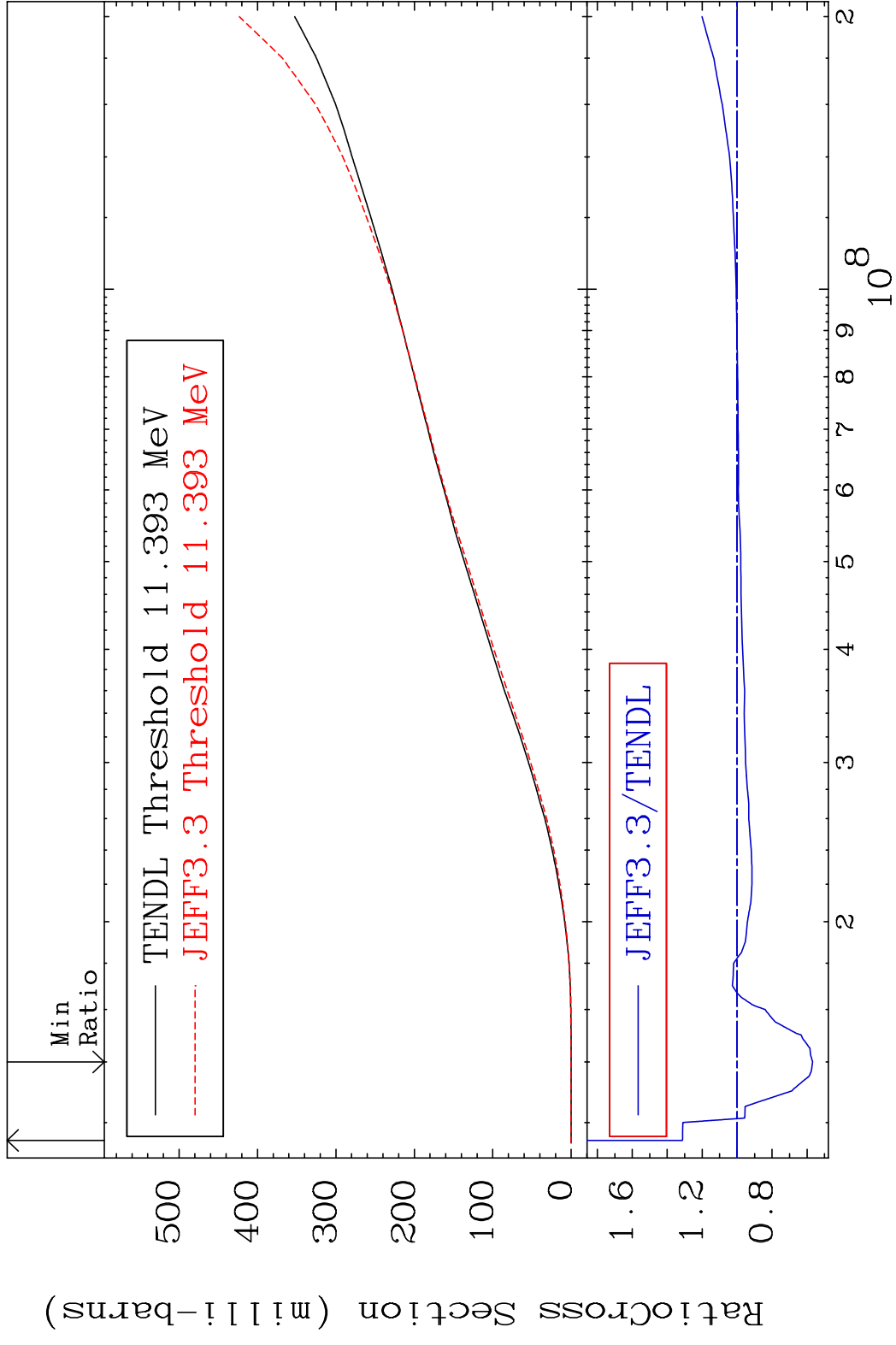


47 Incident Energy (eV) 20-Ca-48

MAT 2049

Hydrogen Production
Cross Section -43.14 To 31.34 %

²⁰Ca-48

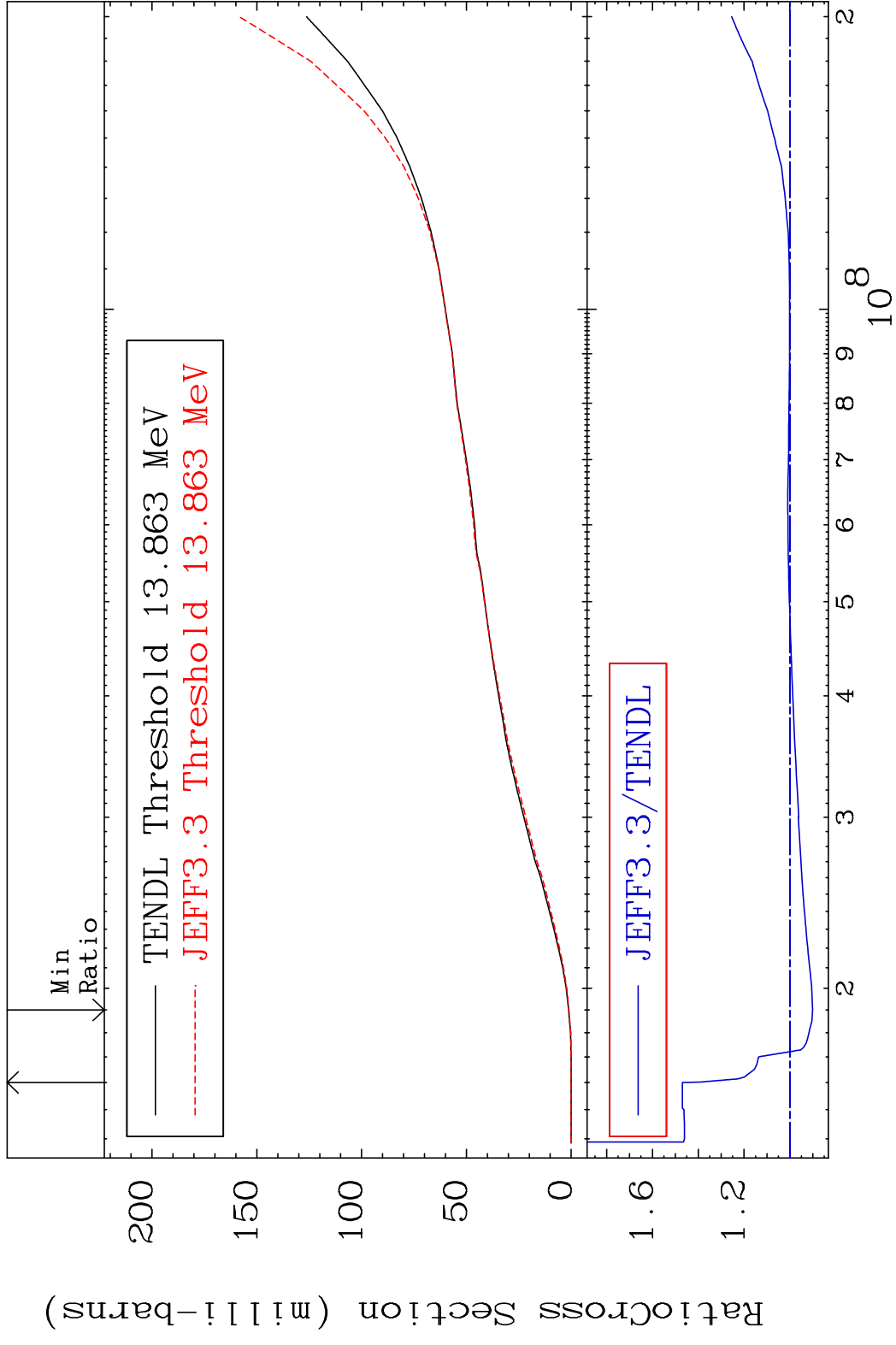


48

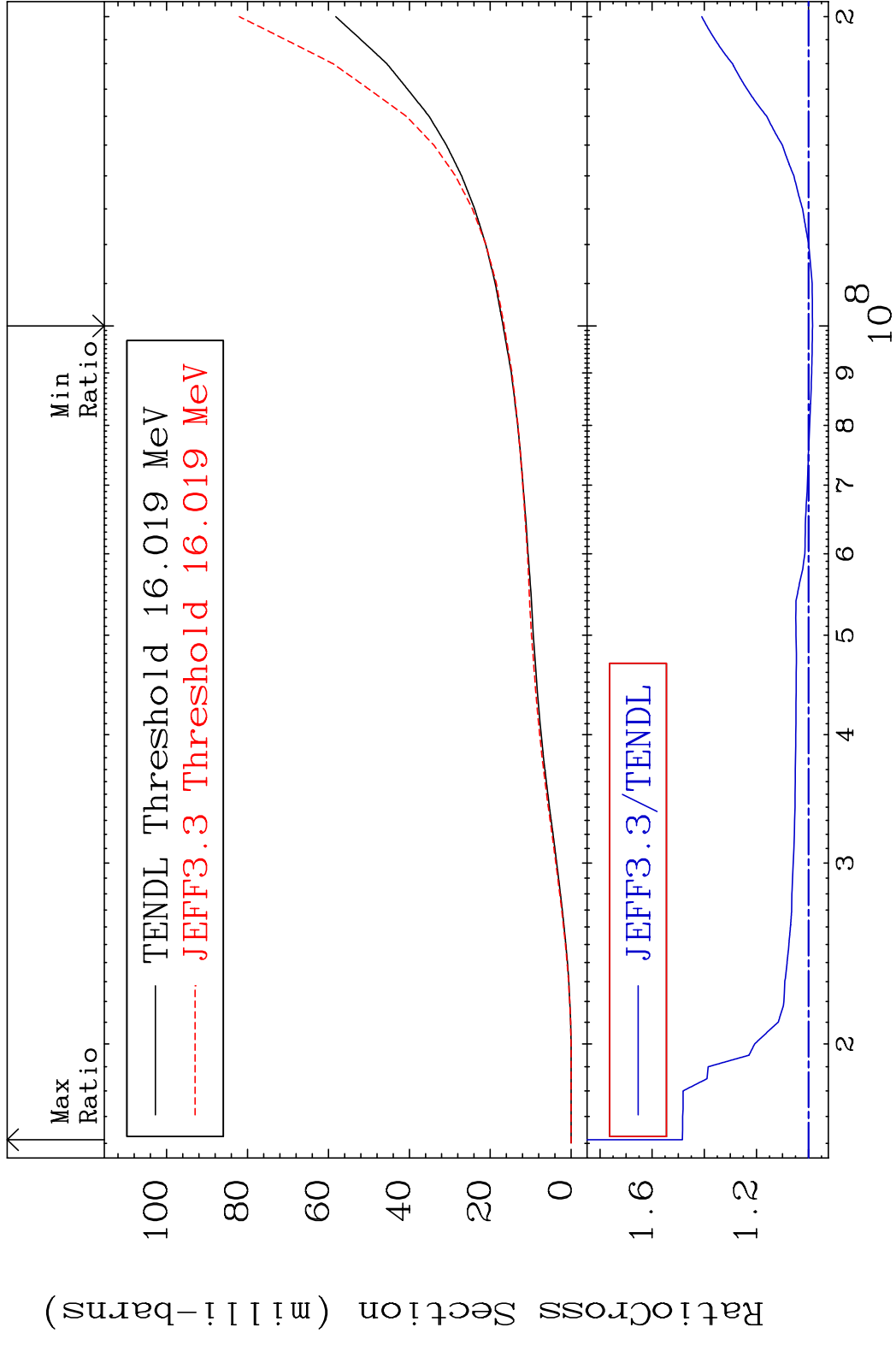
Incident Energy (eV)

²⁰Ca-48

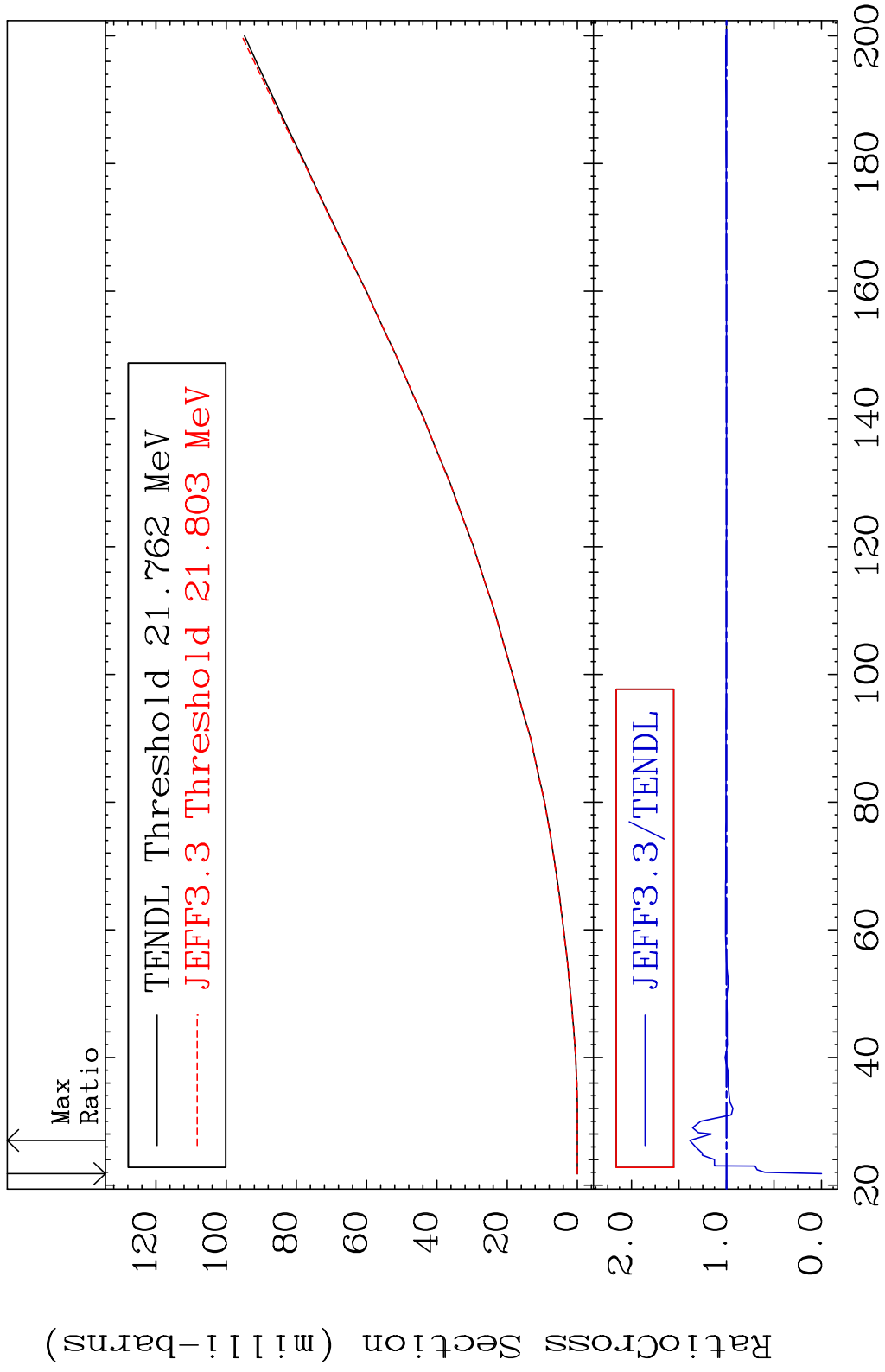
Cross Section -9.883 To 46.93 %



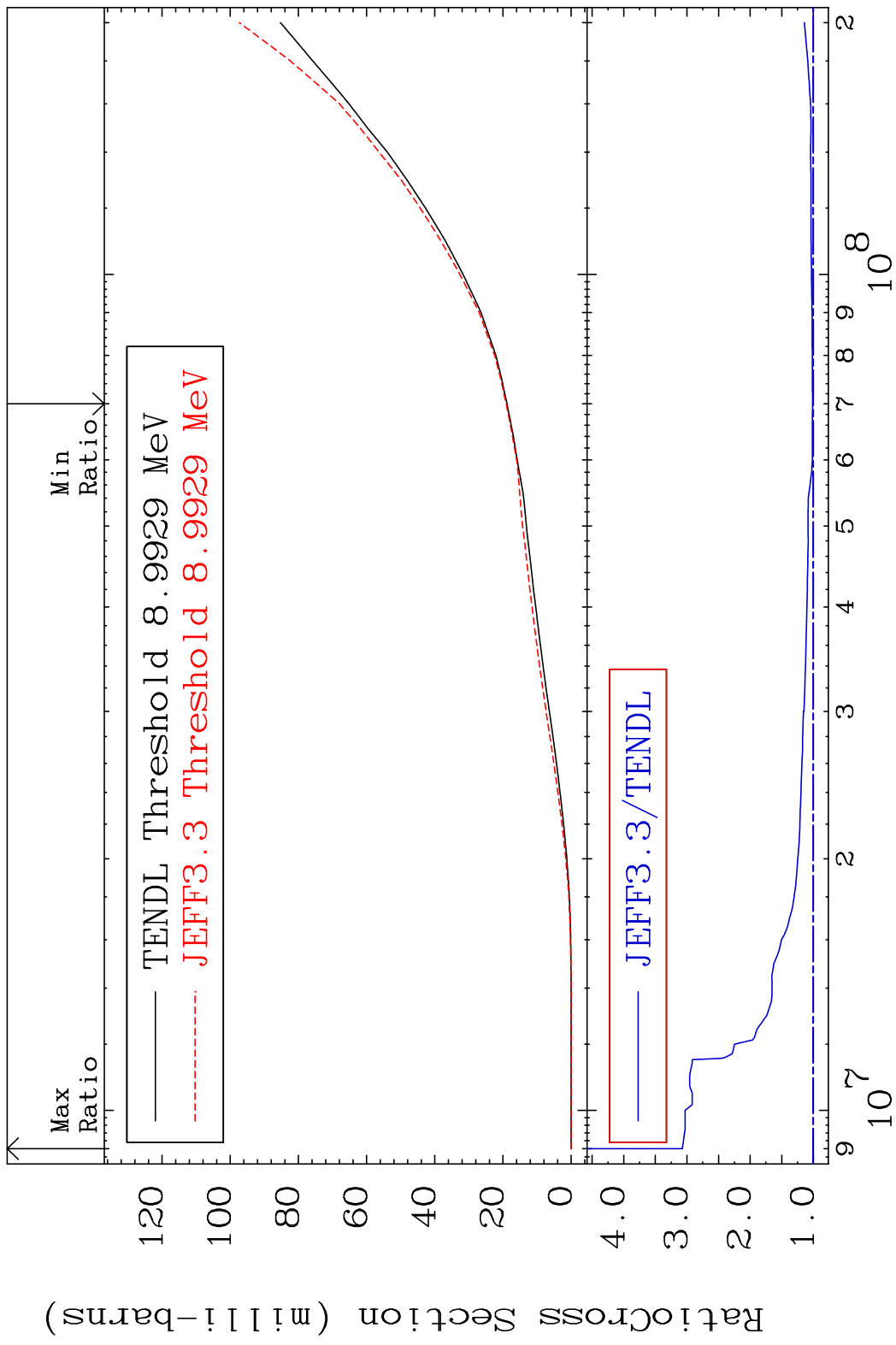
MAT 2049 Tritium Production 20-Ca-48
 Cross Section -1.535 To 48.41 %



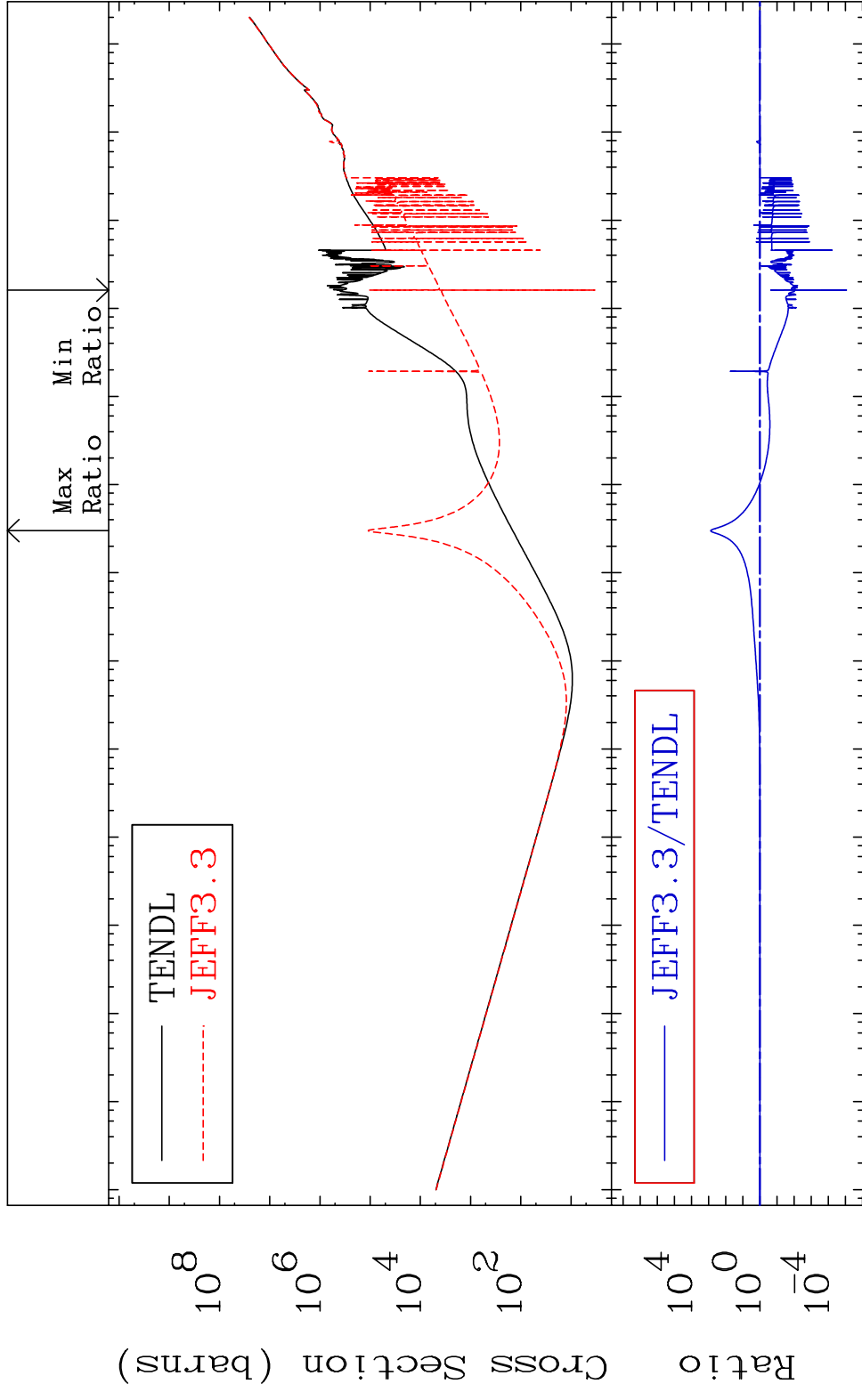
MAT 2049 He-3 Production 20-Ca-48
 Cross Section -100.0 To 38.59 %



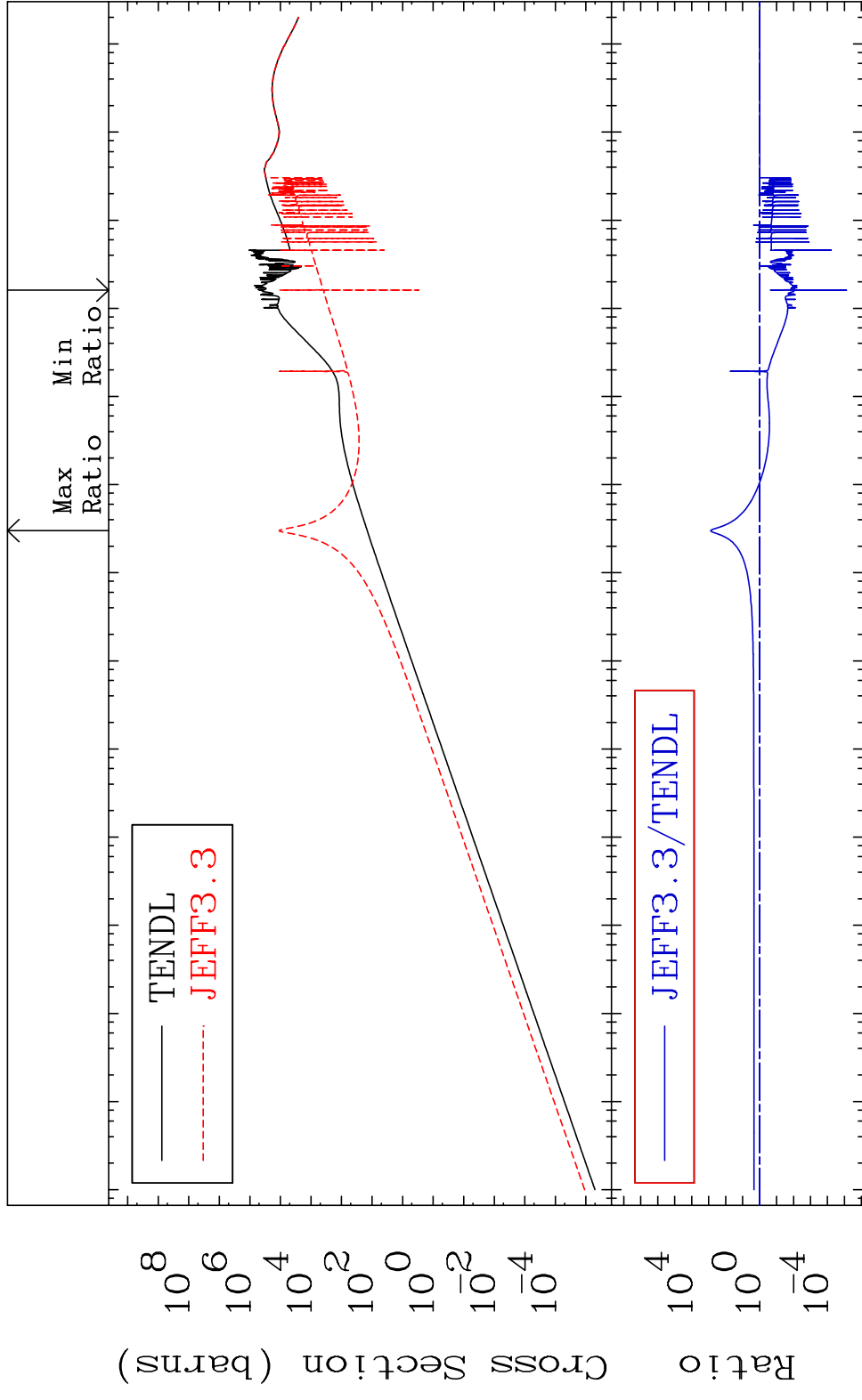
MAT 2049 He-4 Production 20-Ca-48
 Cross Section 1.214 To 207.3 %



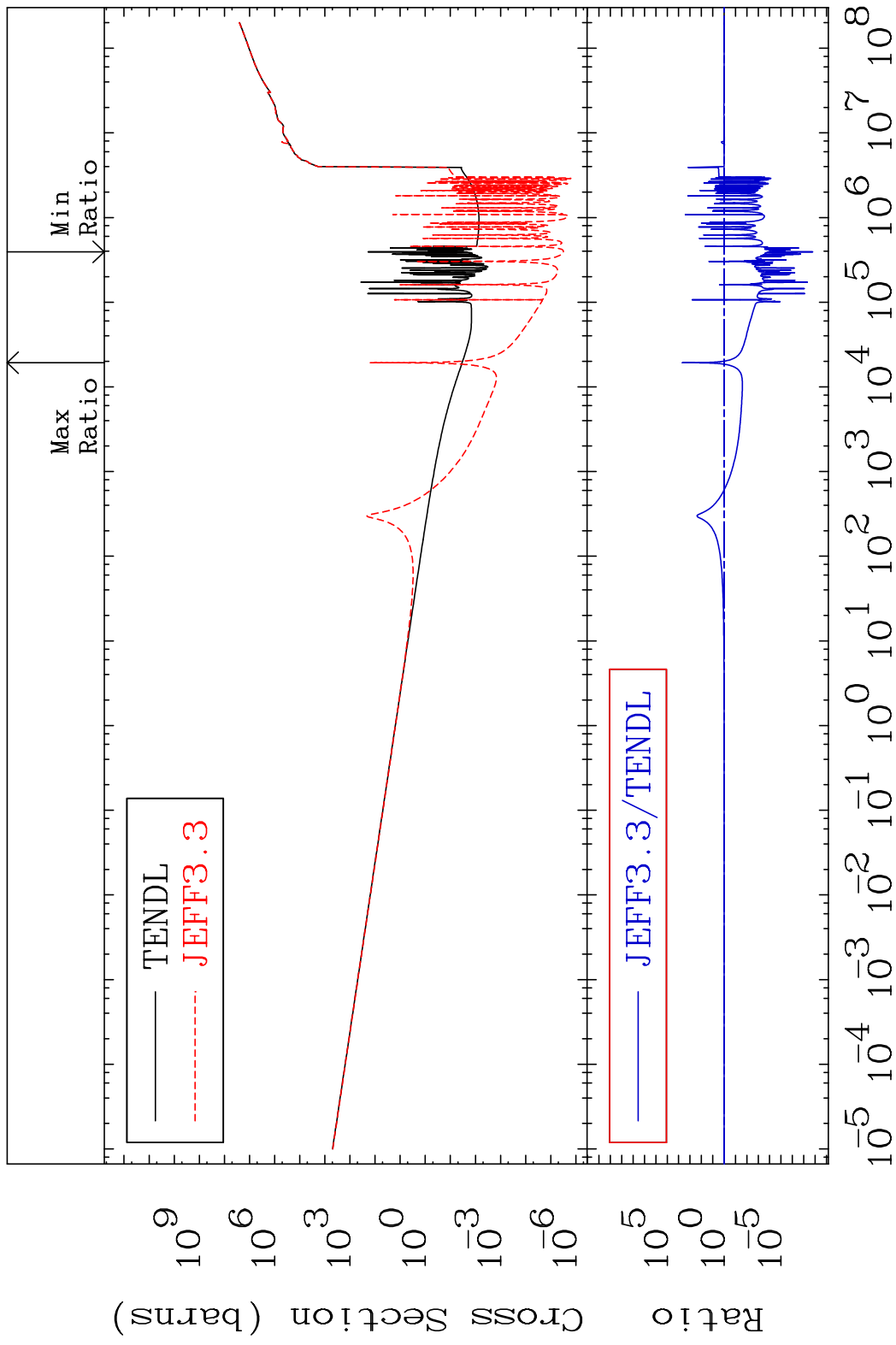
MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %



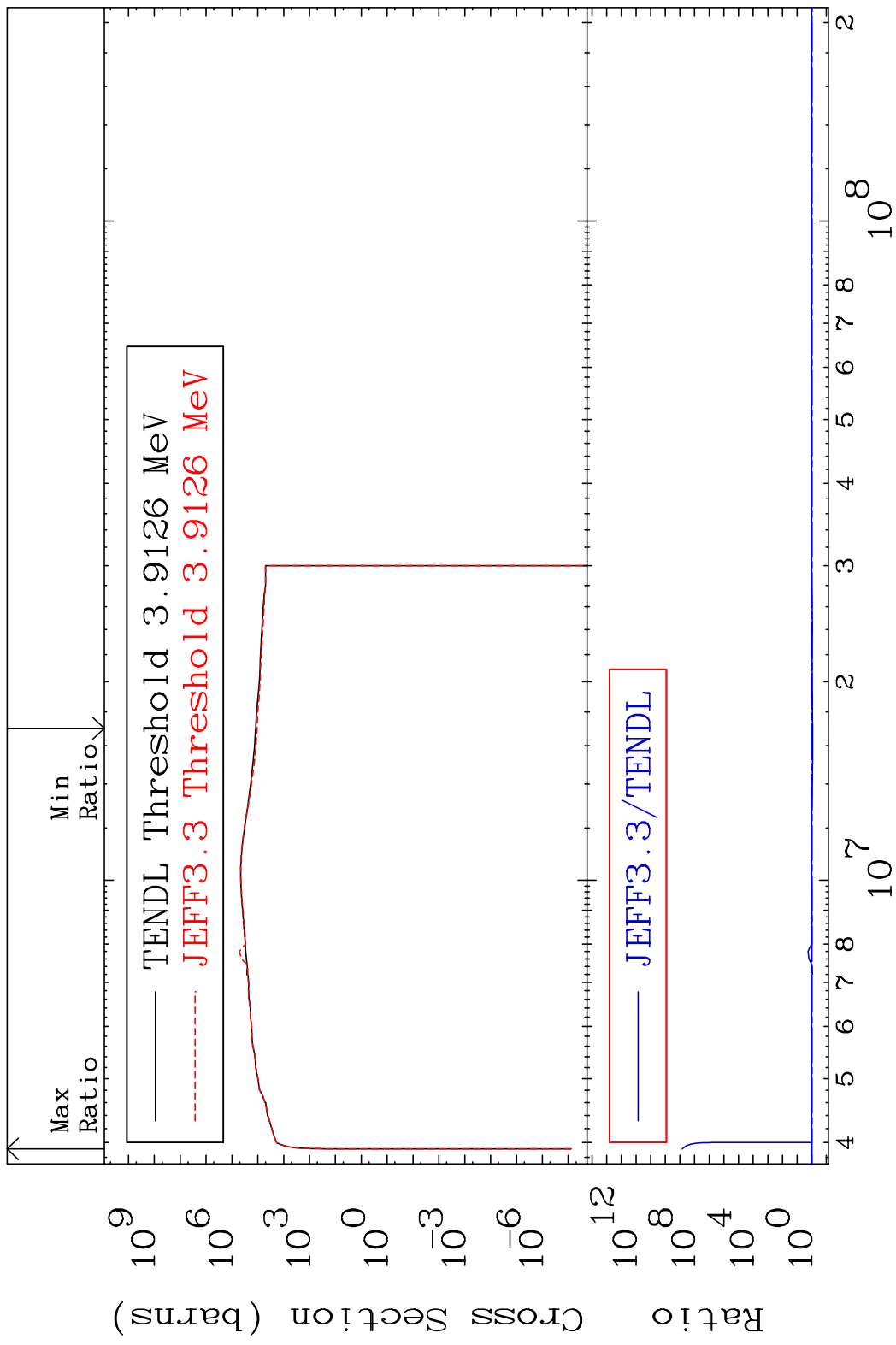
MAT 2049 Kerma elastic Cross Section -100.0 To 9999. % 20-Ca-48



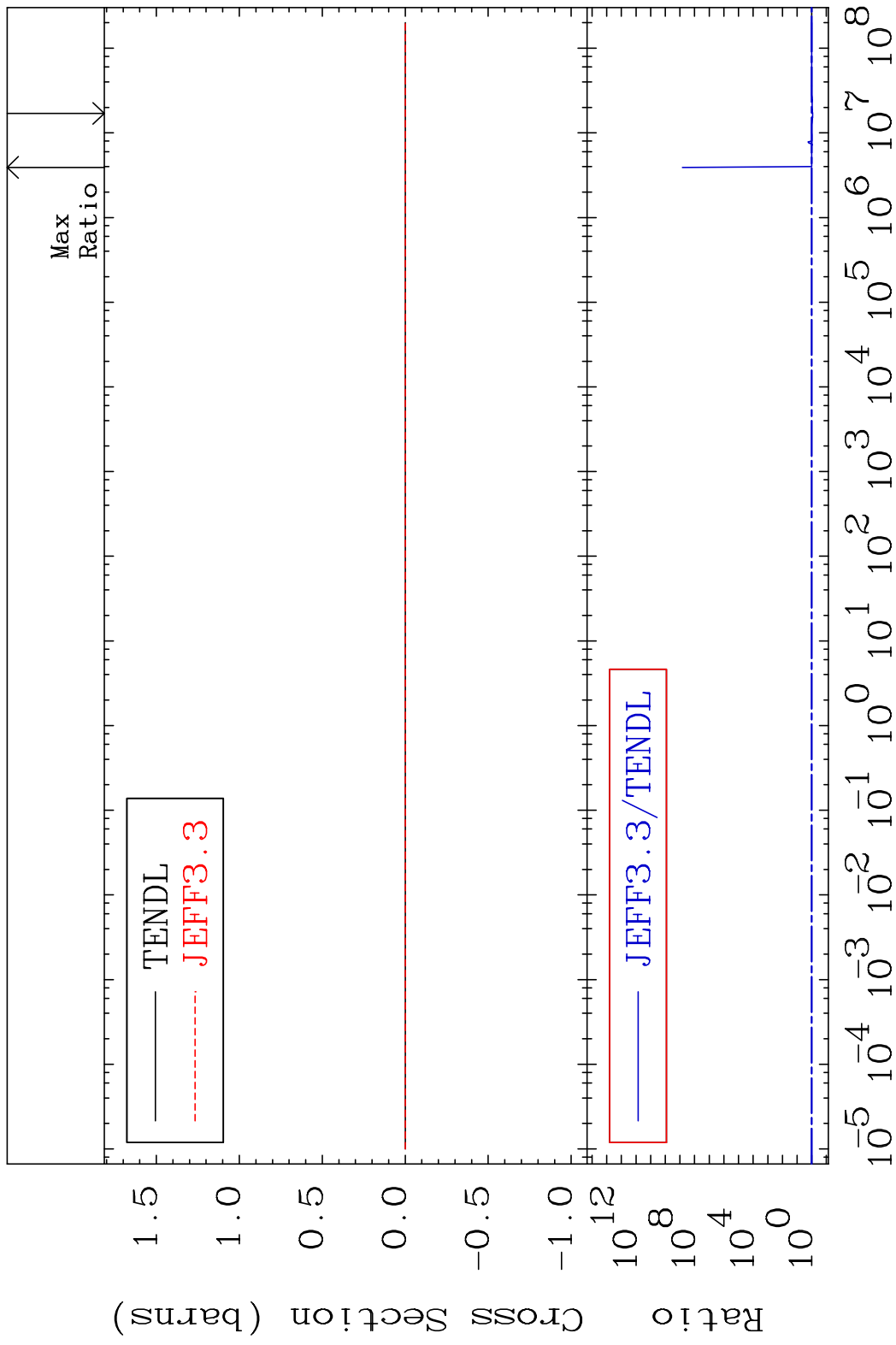
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -100.0 To 9999. %

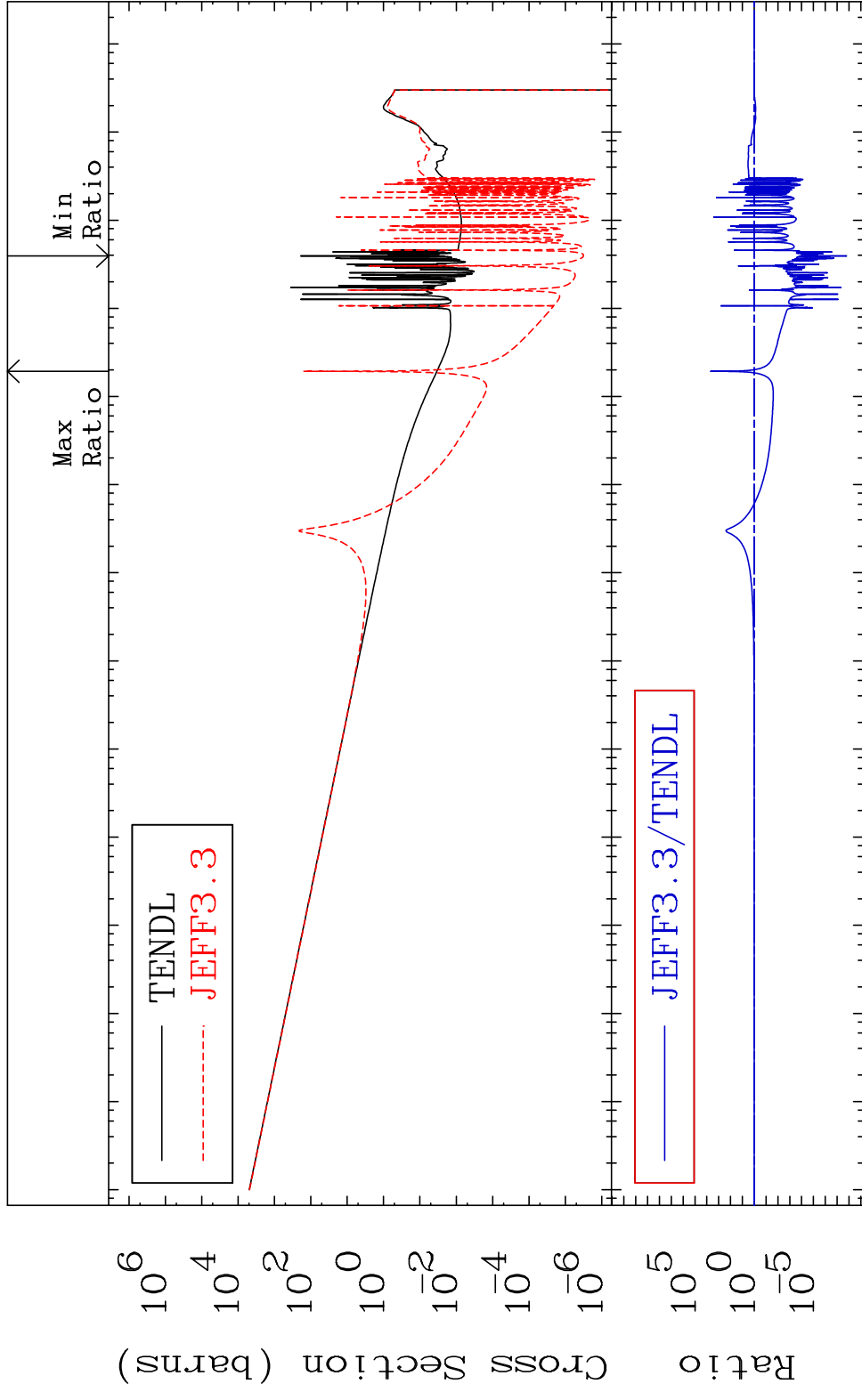


MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -12.05 To 9999. %

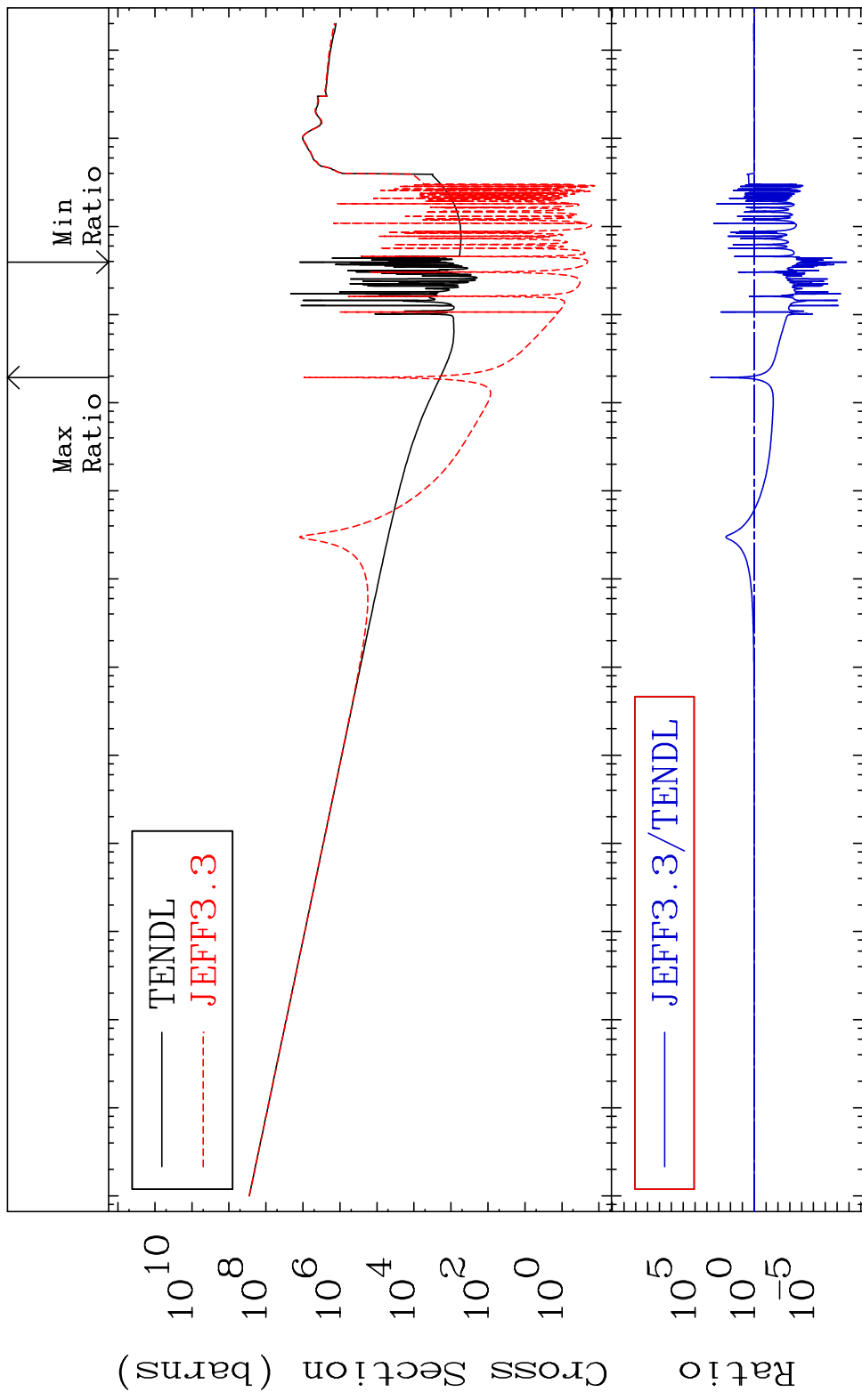


MAT 2049 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-48
 Cross Section -12.05 To 9999. %



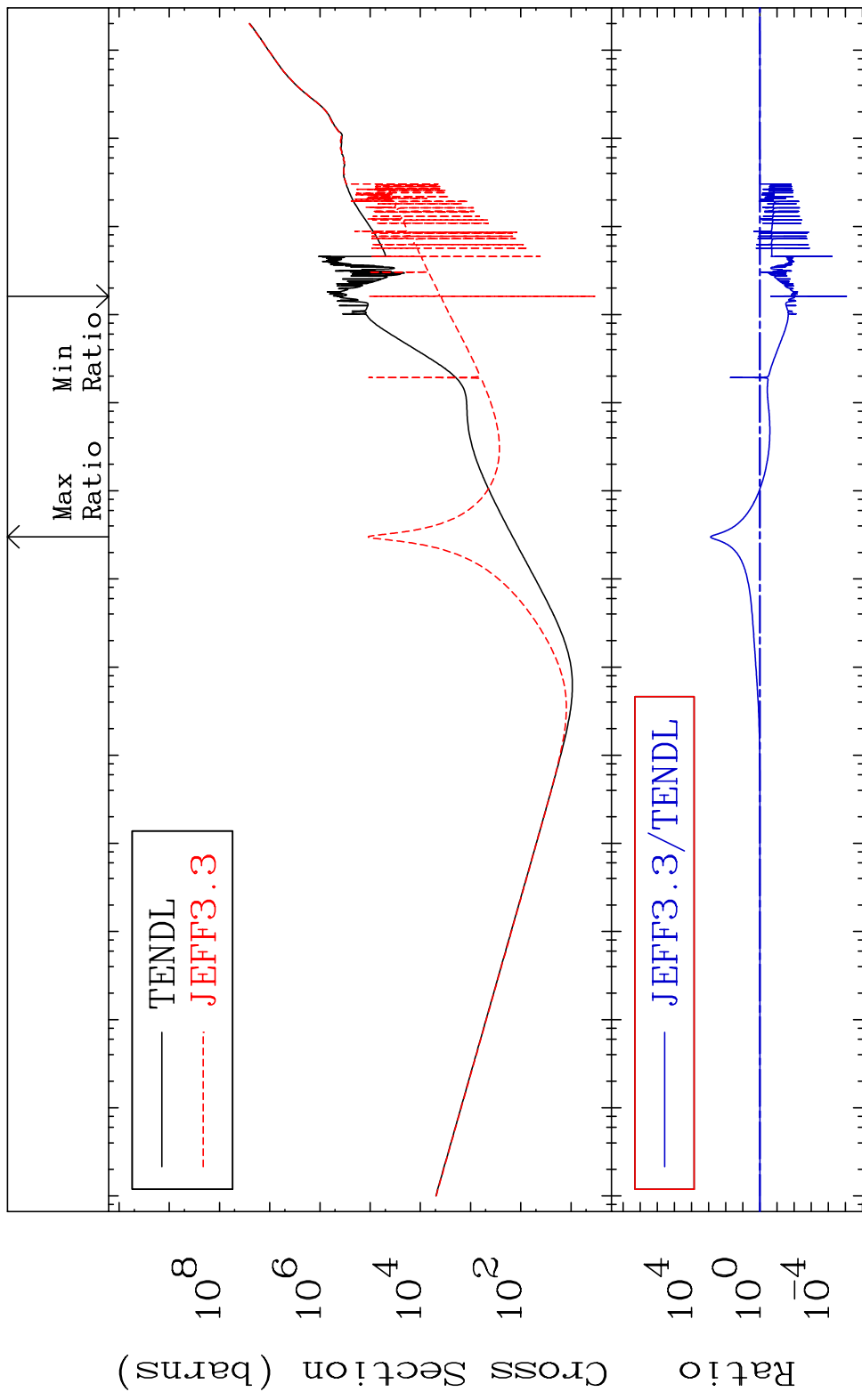


MAT 2049 Total photon (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %



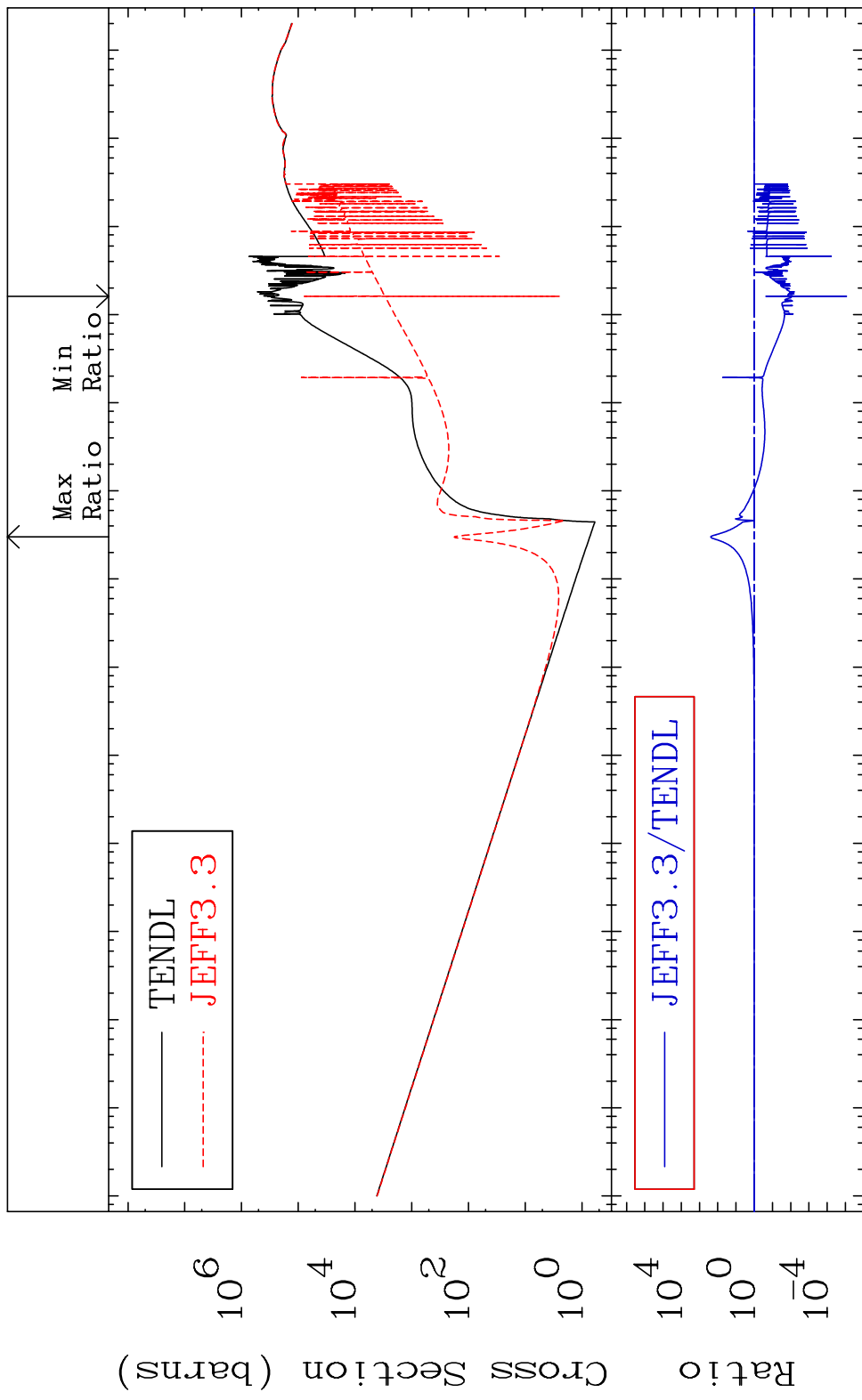
59 Incident Energy (eV) 20-Ca-48

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



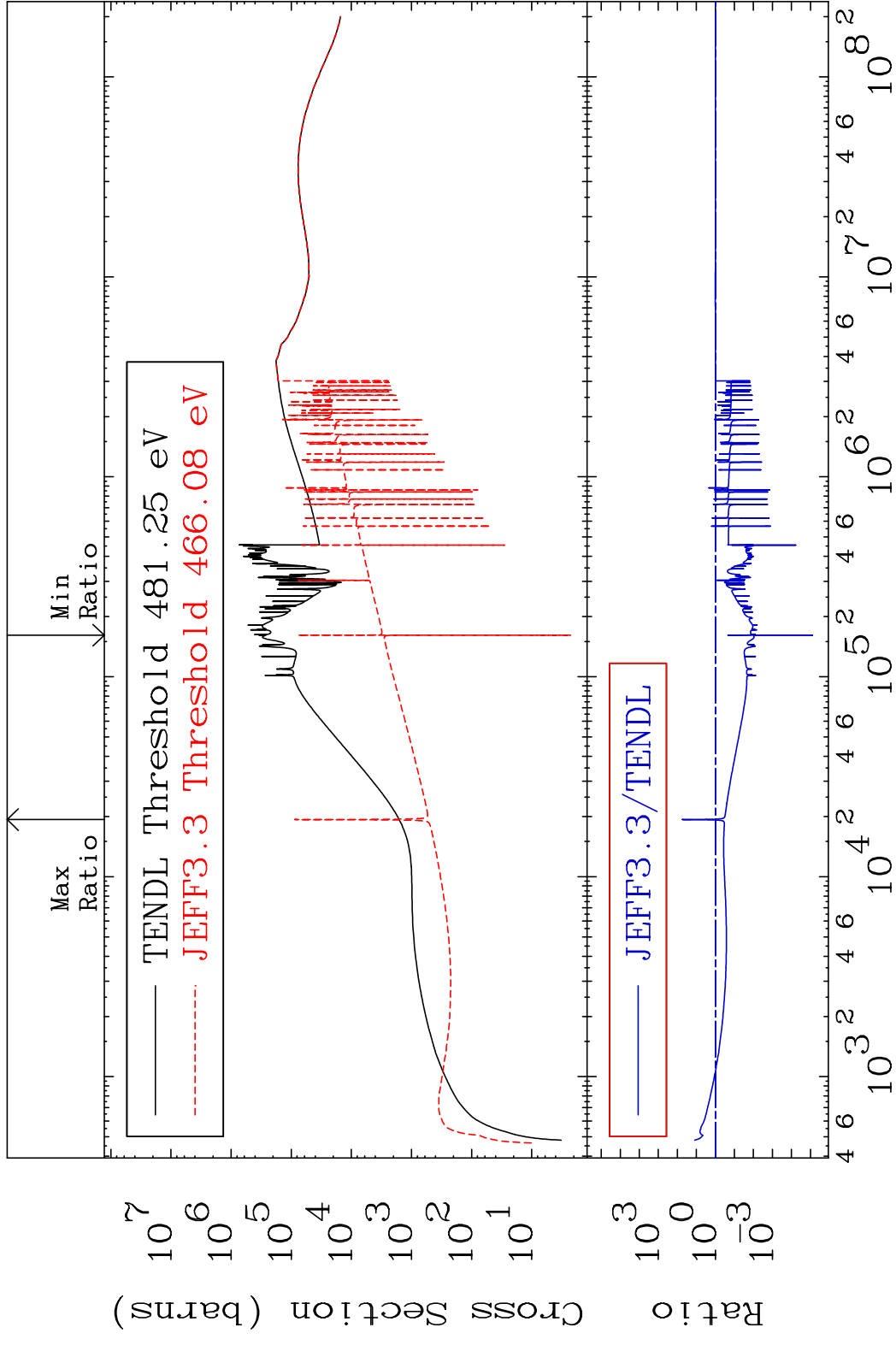
60 Incident Energy (eV) 20-Ca-48

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

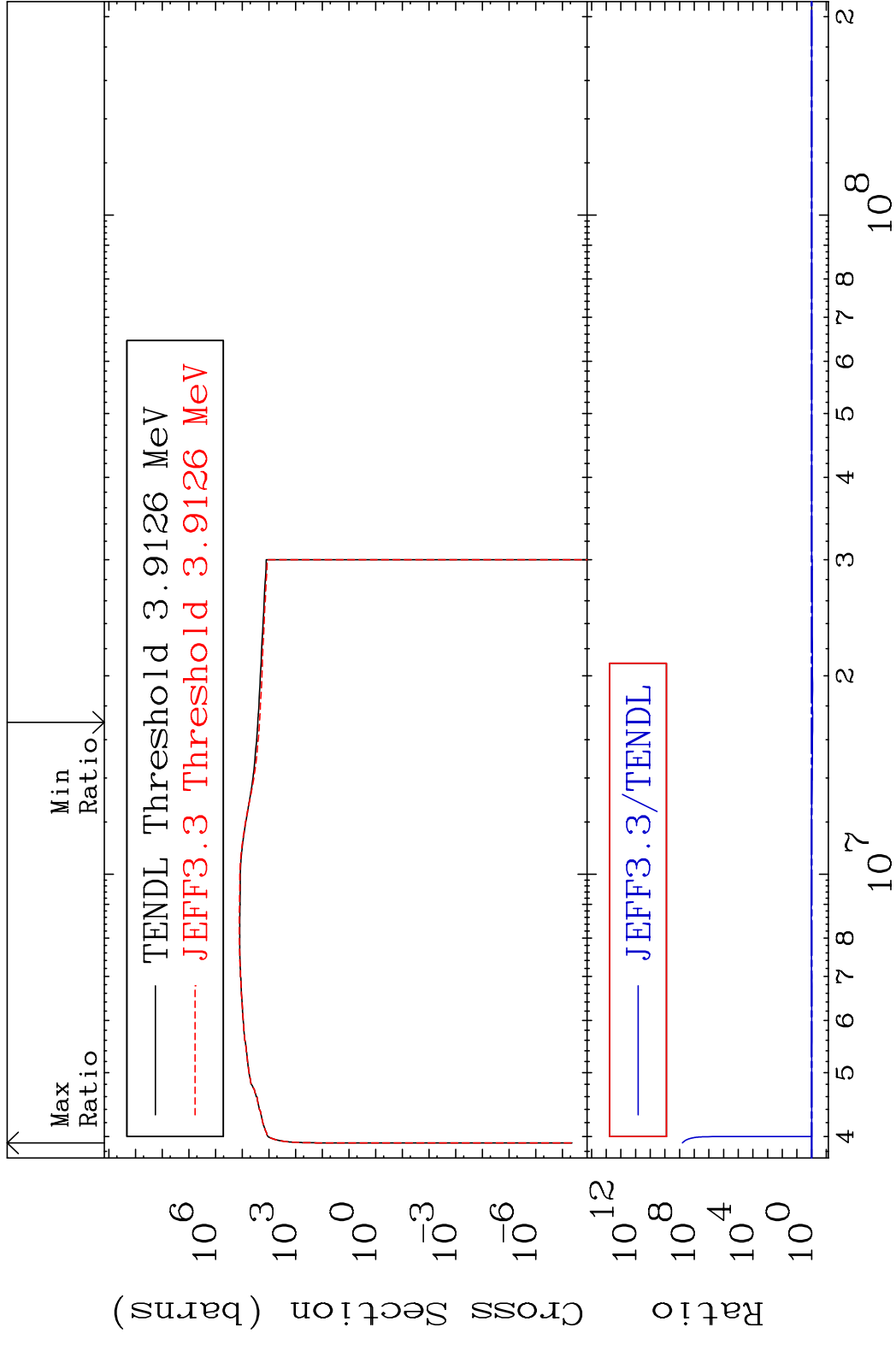


61 Incident Energy (eV) 20-Ca-48

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 -13.99 To 9999. %



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

