

Program Complot
(Version 2021-1)

by

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U.S.A.

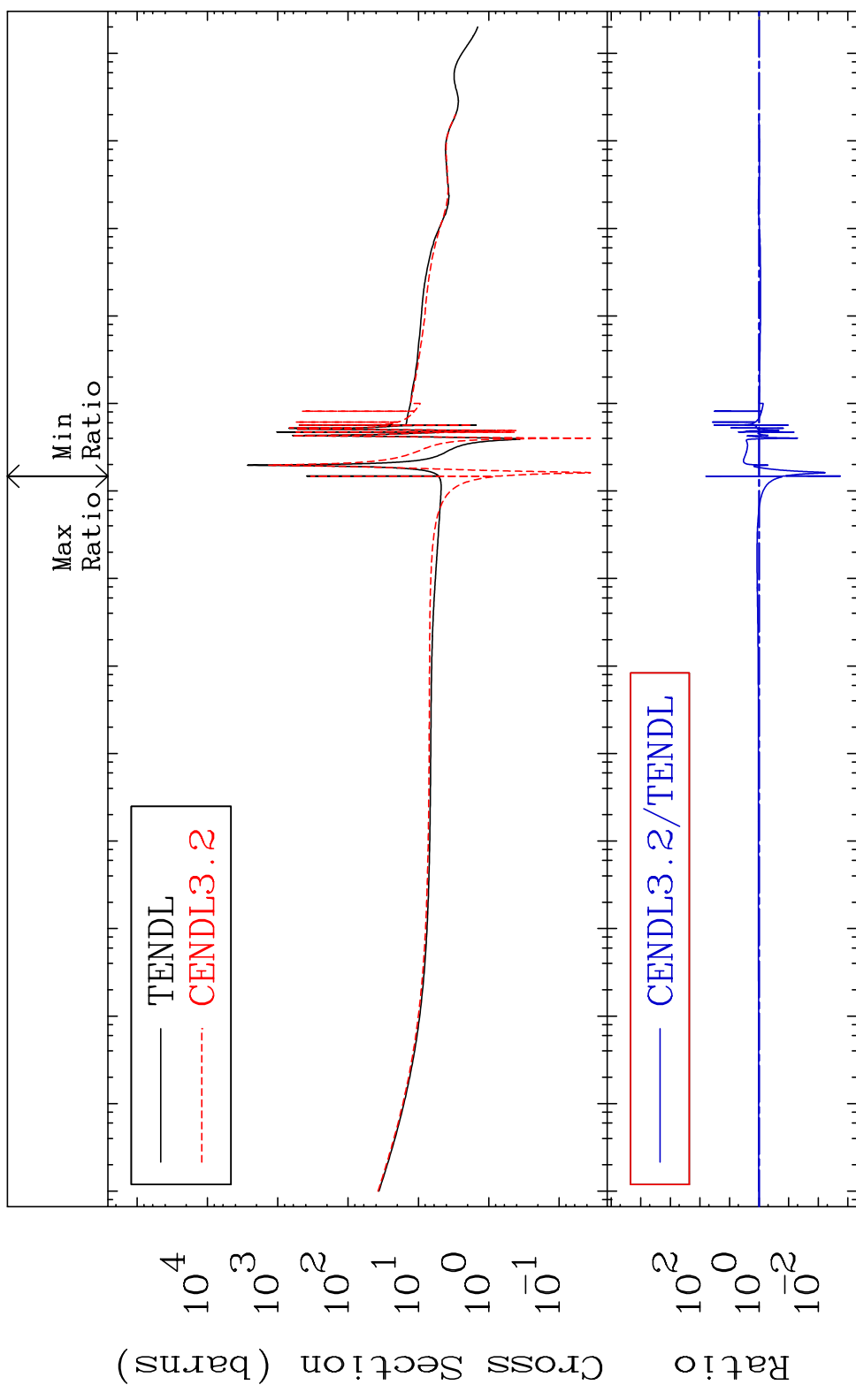
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3443

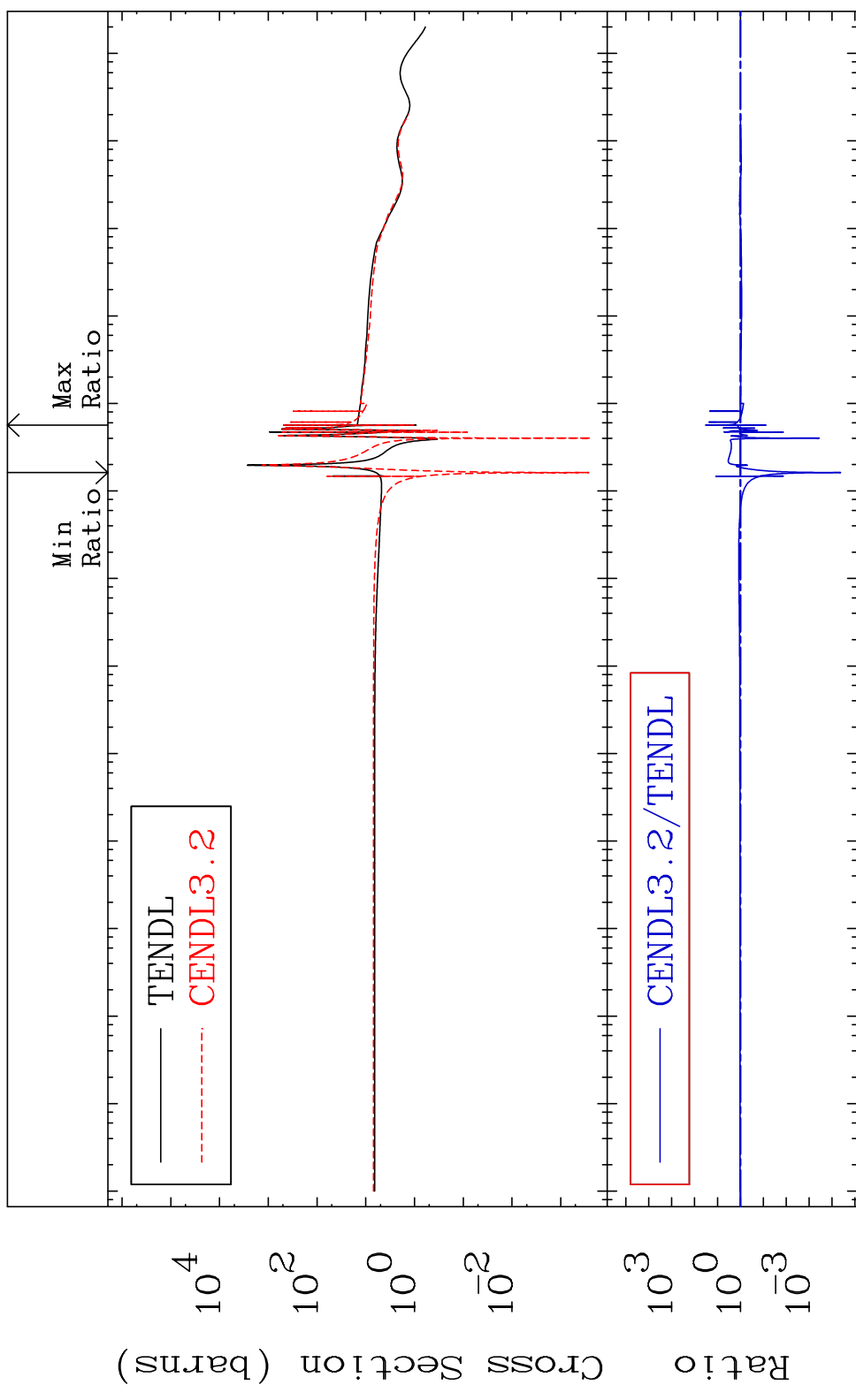
Total Cross Section -99.82 To 6250. %
34-Se-80



1 Incident Energy (eV) 34-Se-80

MAT 3443

Elastic
Cross Section -100.0 To 3146. %
34-Se-80

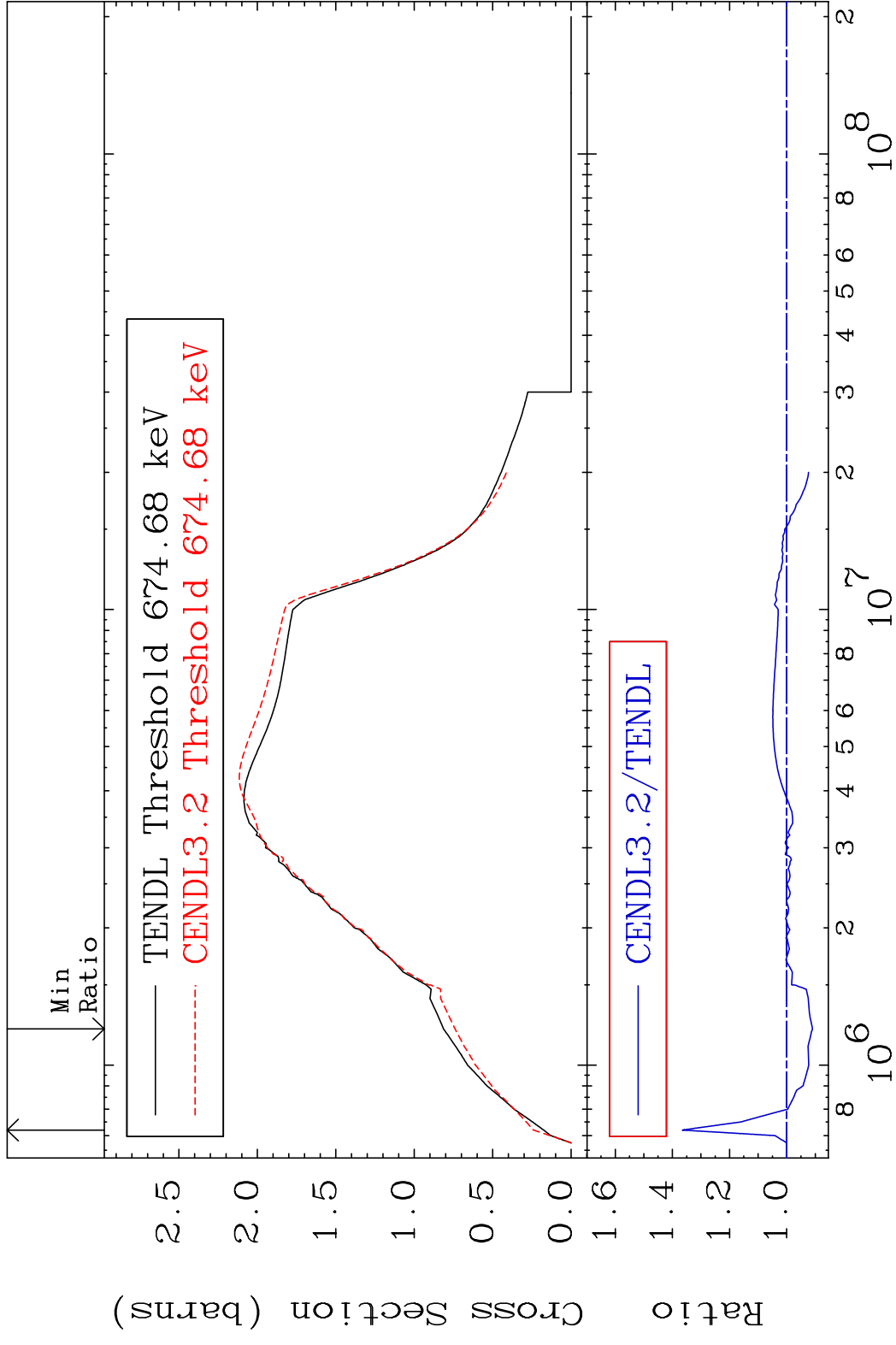


2

Incident Energy (eV)

34-Se-80

MAT 3443 Inelastic 34-Se-80
 Cross Section -9.064 To 36.51 %



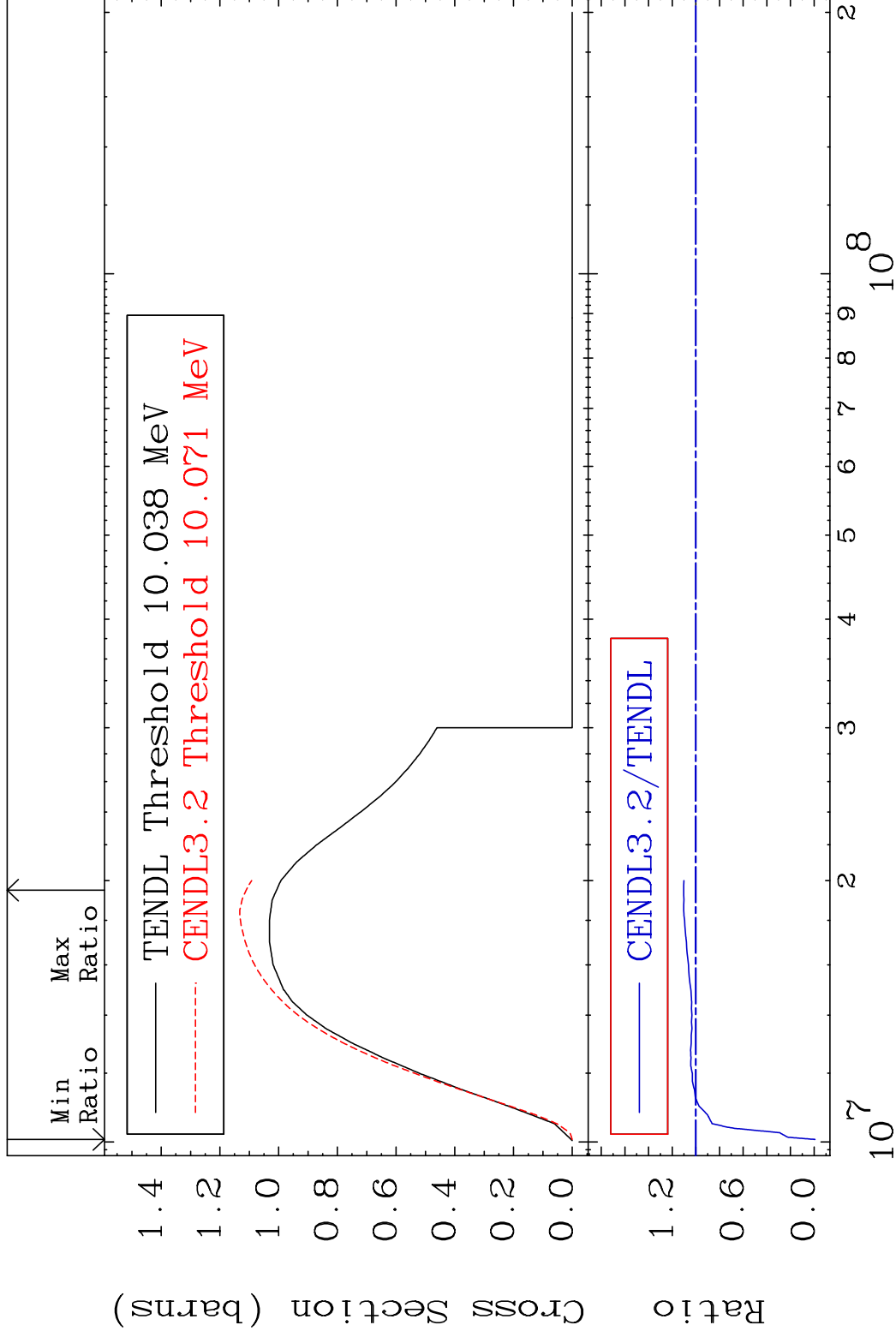
3 34-Se-80

MAT 3443

(n,2n)

³⁴Se-80

Cross Section -100.0 To 10.29 %



4

Incident Energy (eV)

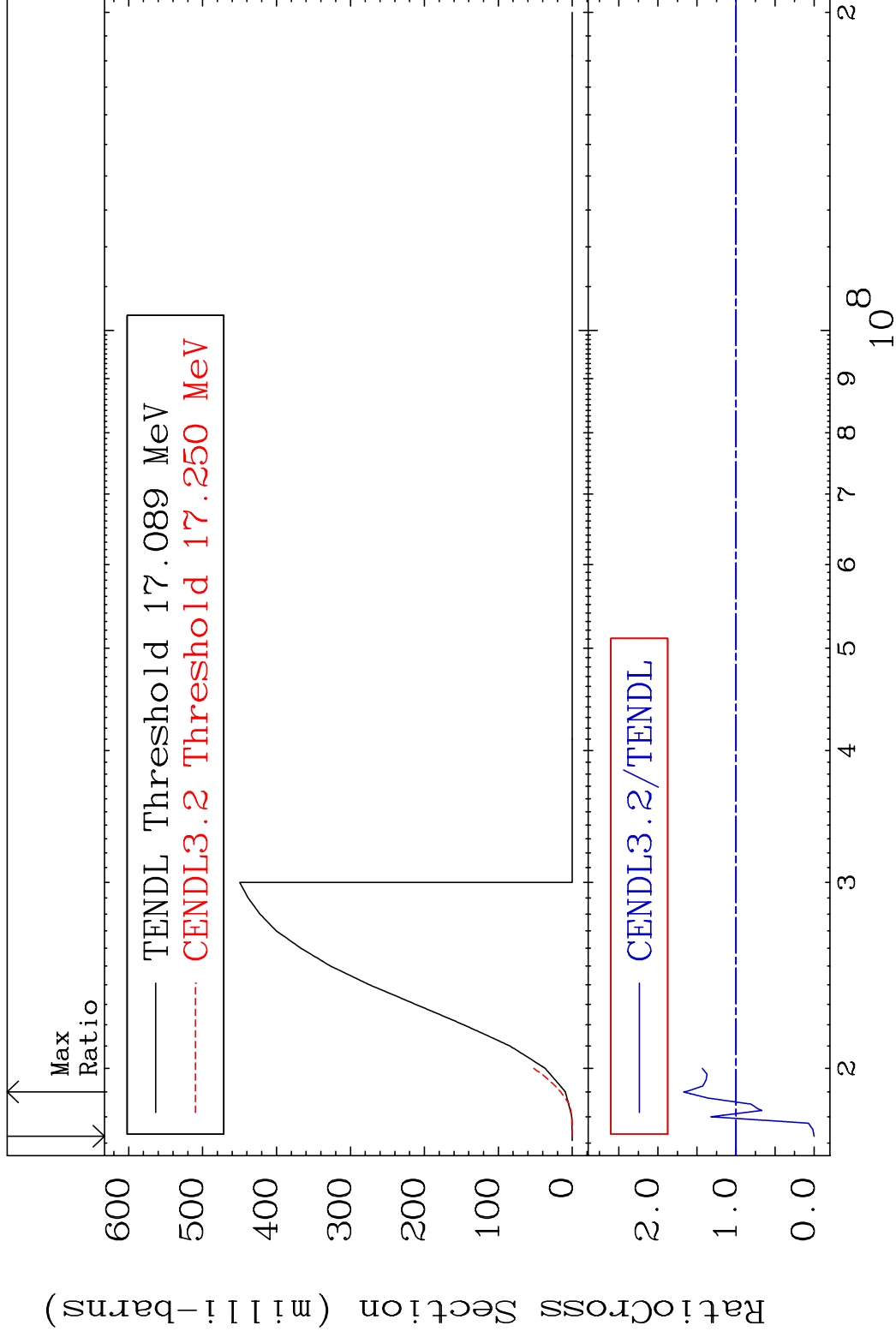
³⁴Se-80

MAT 3443

(n,3n)

³⁴Se-80

Cross Section -100.0 To 67.07 %



5

Incident Energy (eV)

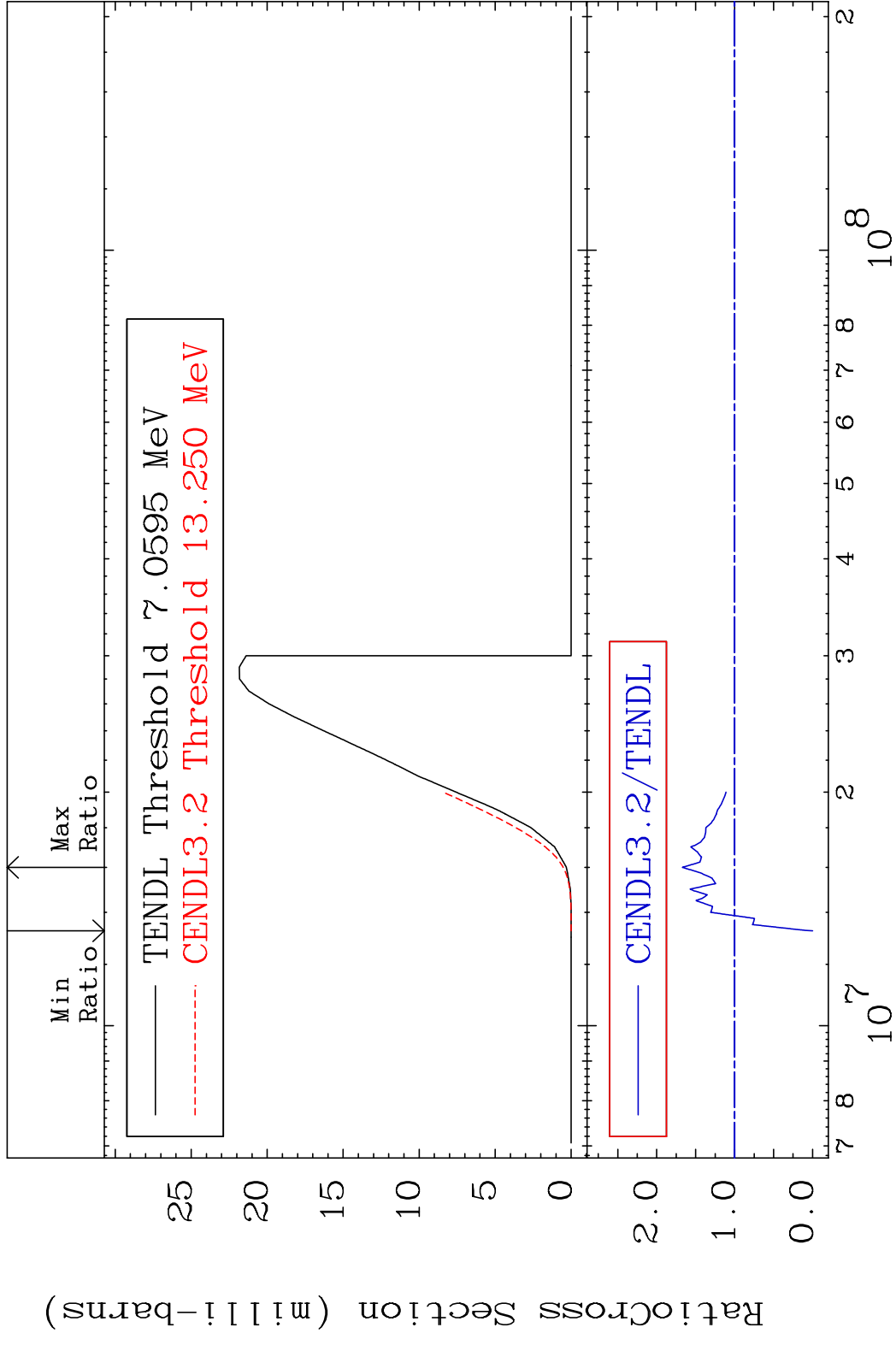
³⁴Se-80

MAT 3443

(n, n') α

34-Se-80

Cross Section -100.0 To 67.10 %



6

Incident Energy (eV)

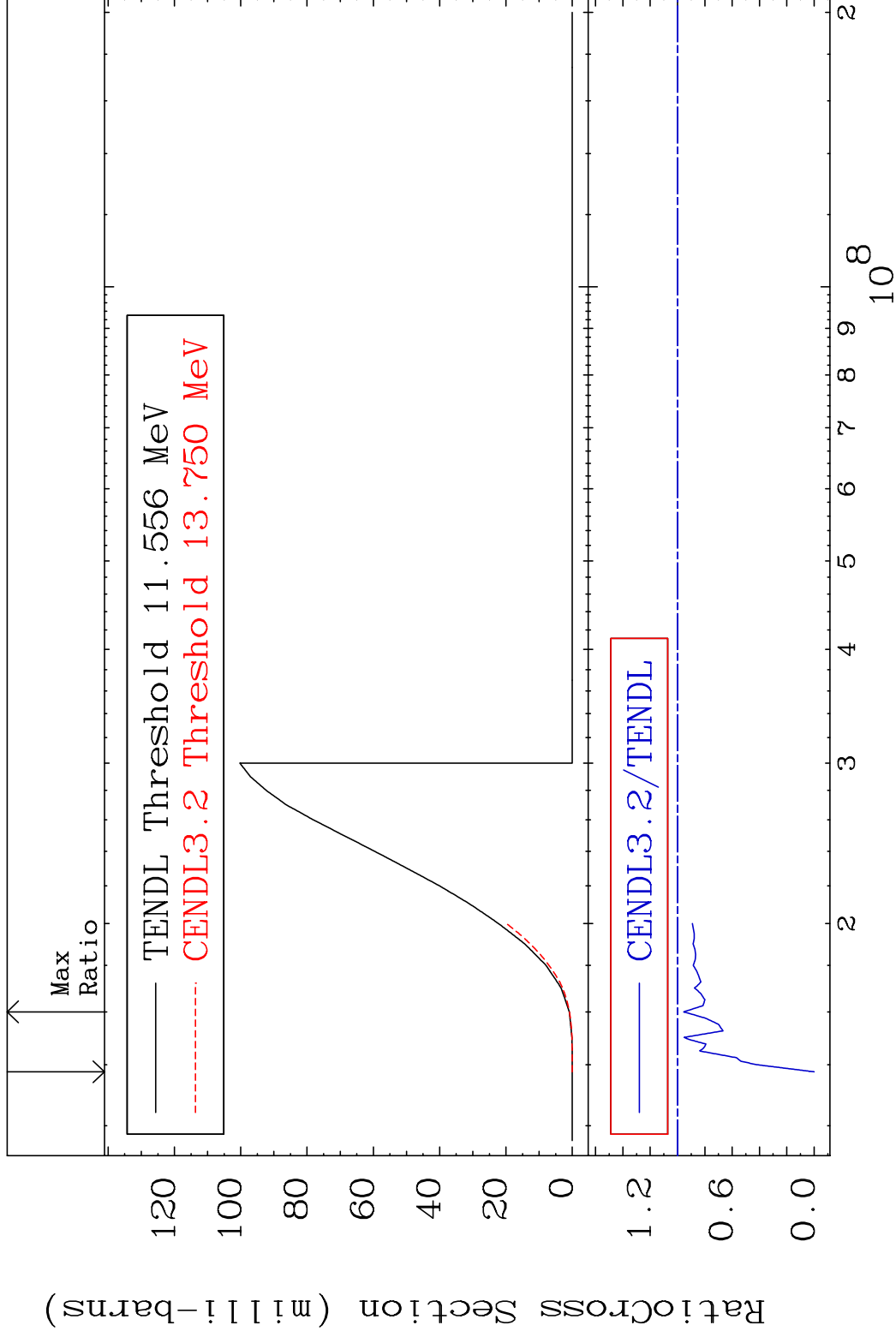
34-Se-80

MAT 3443

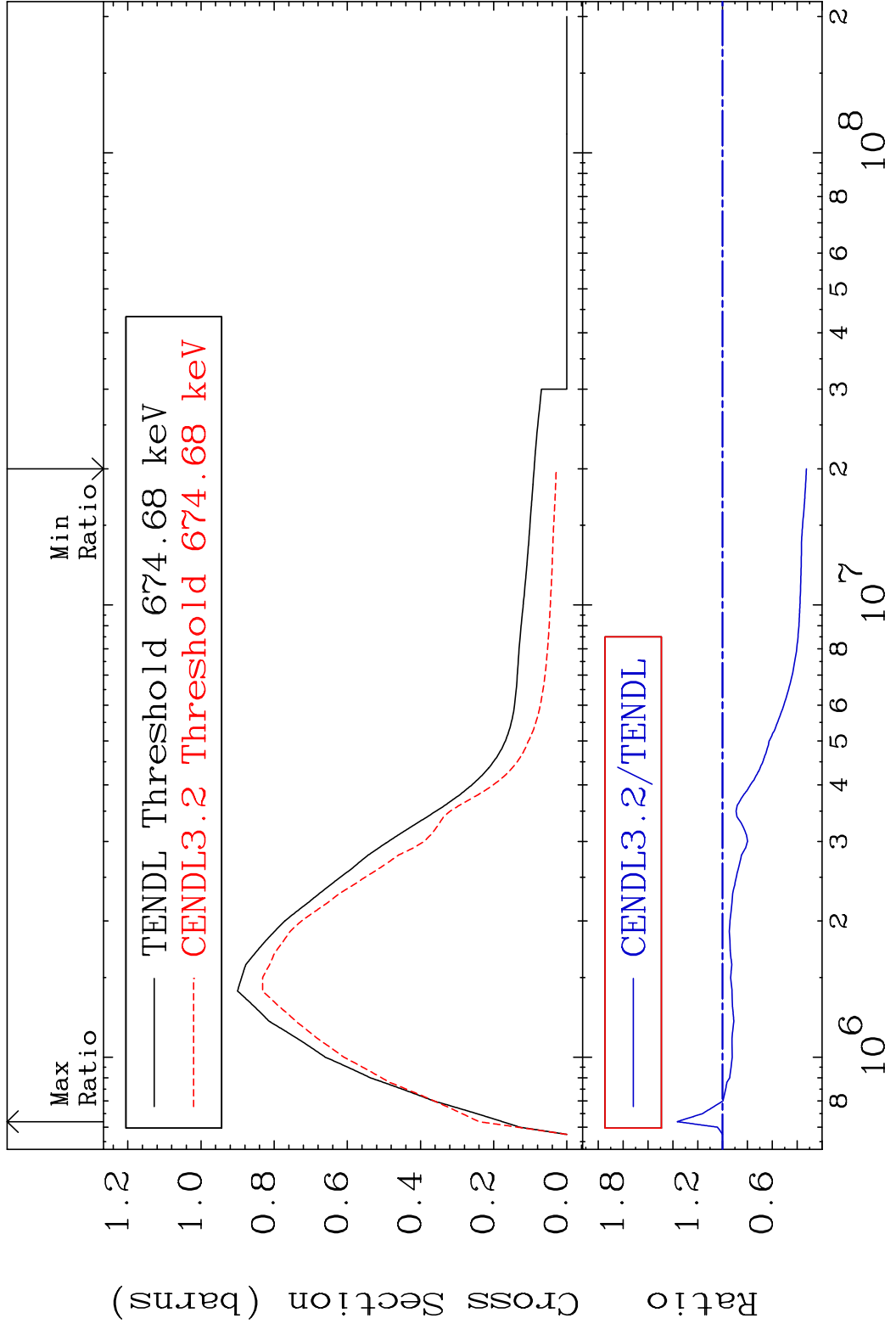
(n, n') p

³⁴Se-80

Cross Section -100.0 To -4.492%

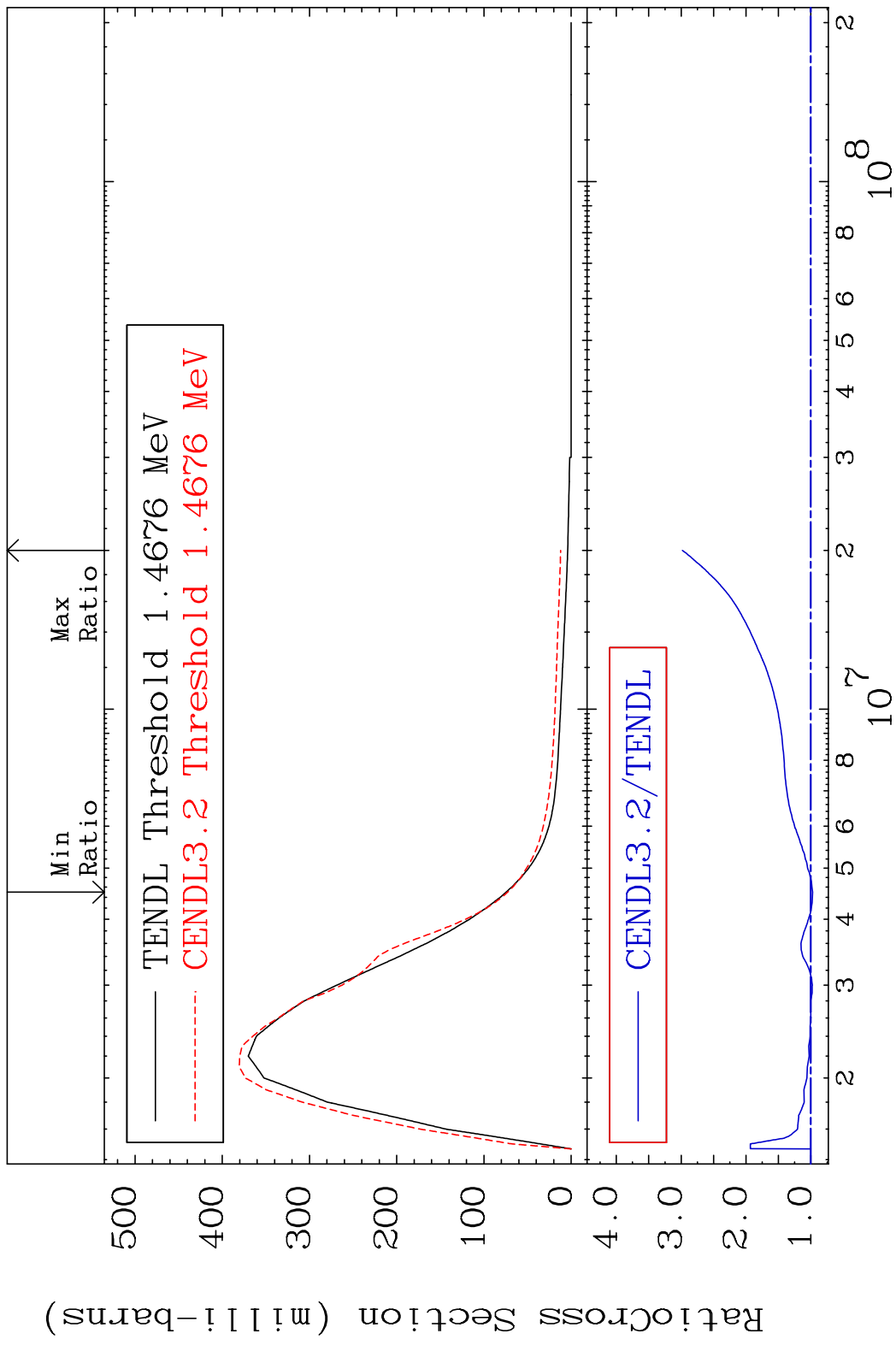


MAT 3443 MT= 51 (n, n') Level 34-Se-80
 Cross Section -67.41 To 36.51 %

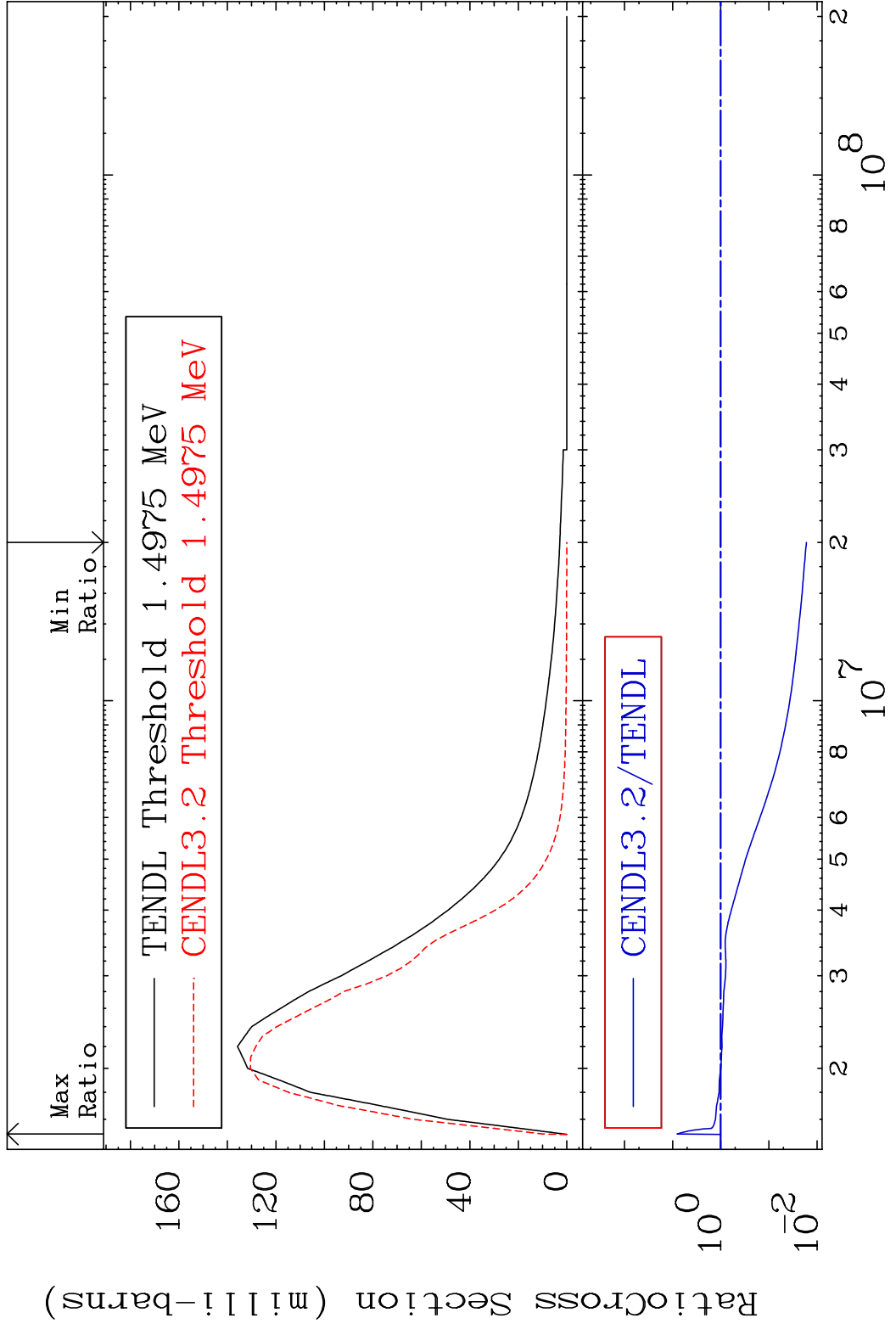


8 8 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 52 (n, n') Level 34-Se-80
 Cross Section -2.580 To 198.2 %

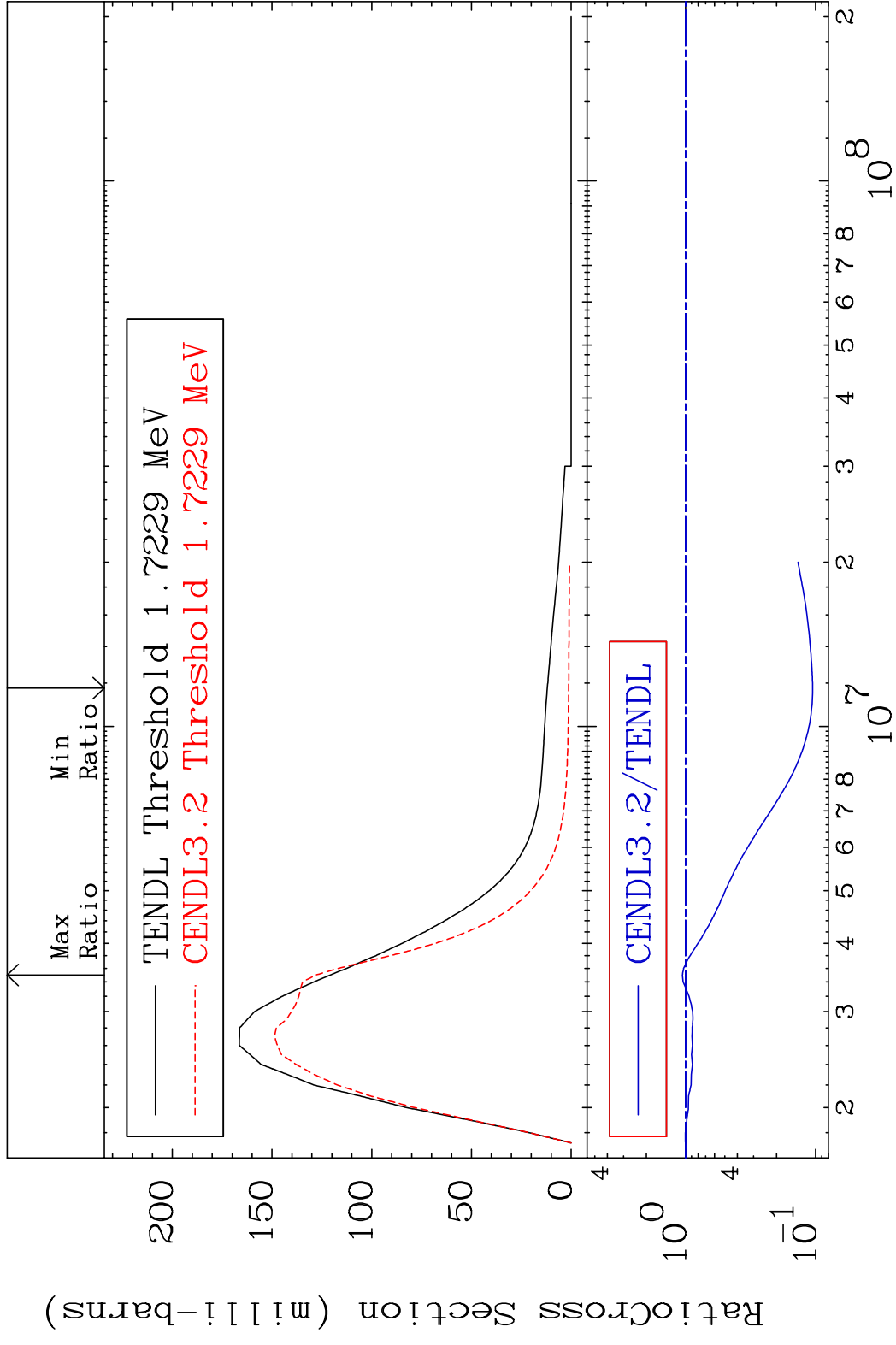


MAT 3443 MT= 53 (n, n') Level 34-Se-80
 Cross Section -98.34 To 703.4 %

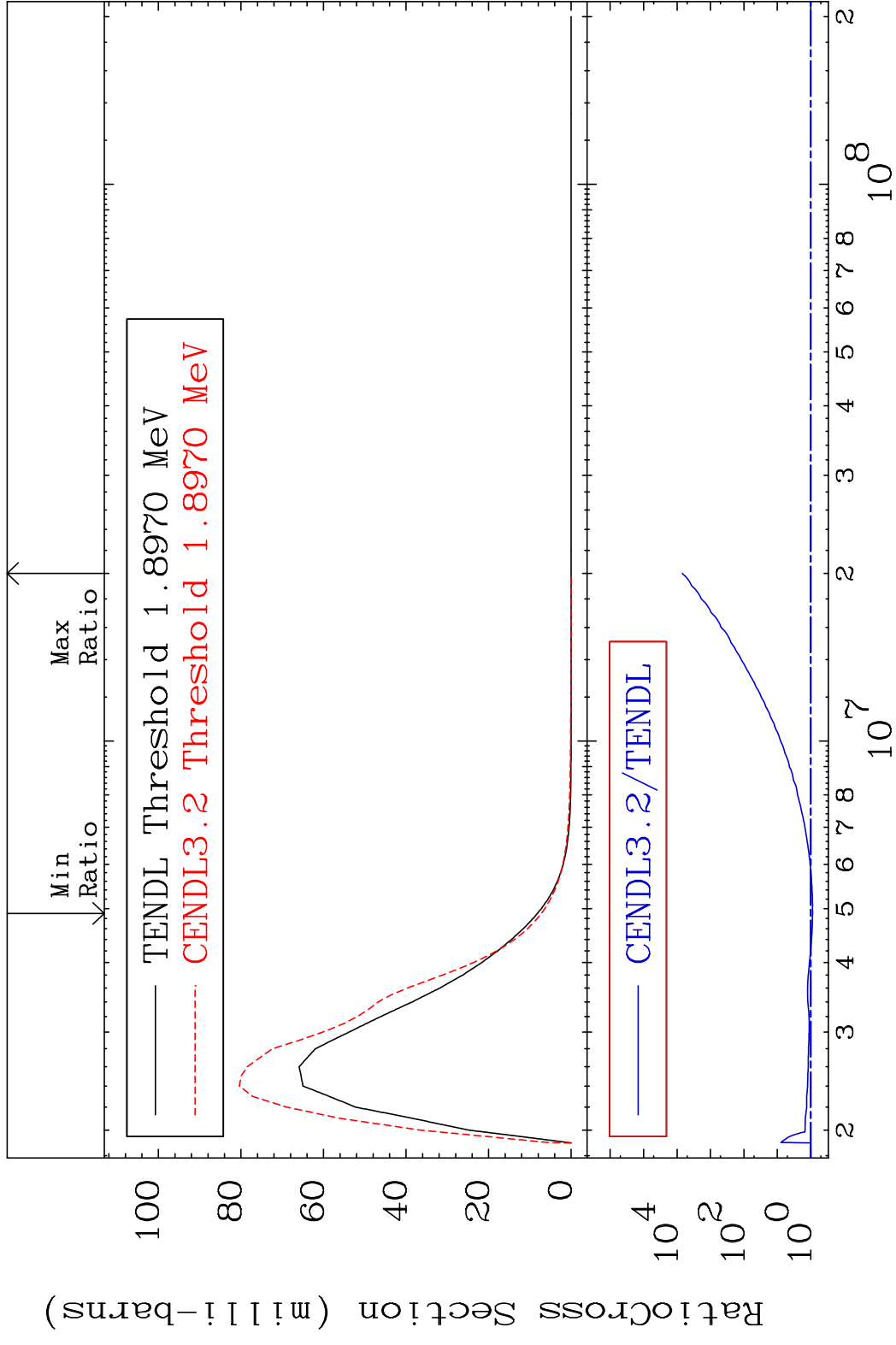


10 10 3 4 5 6 8 2 10⁷ 10⁸ 34-Se-80

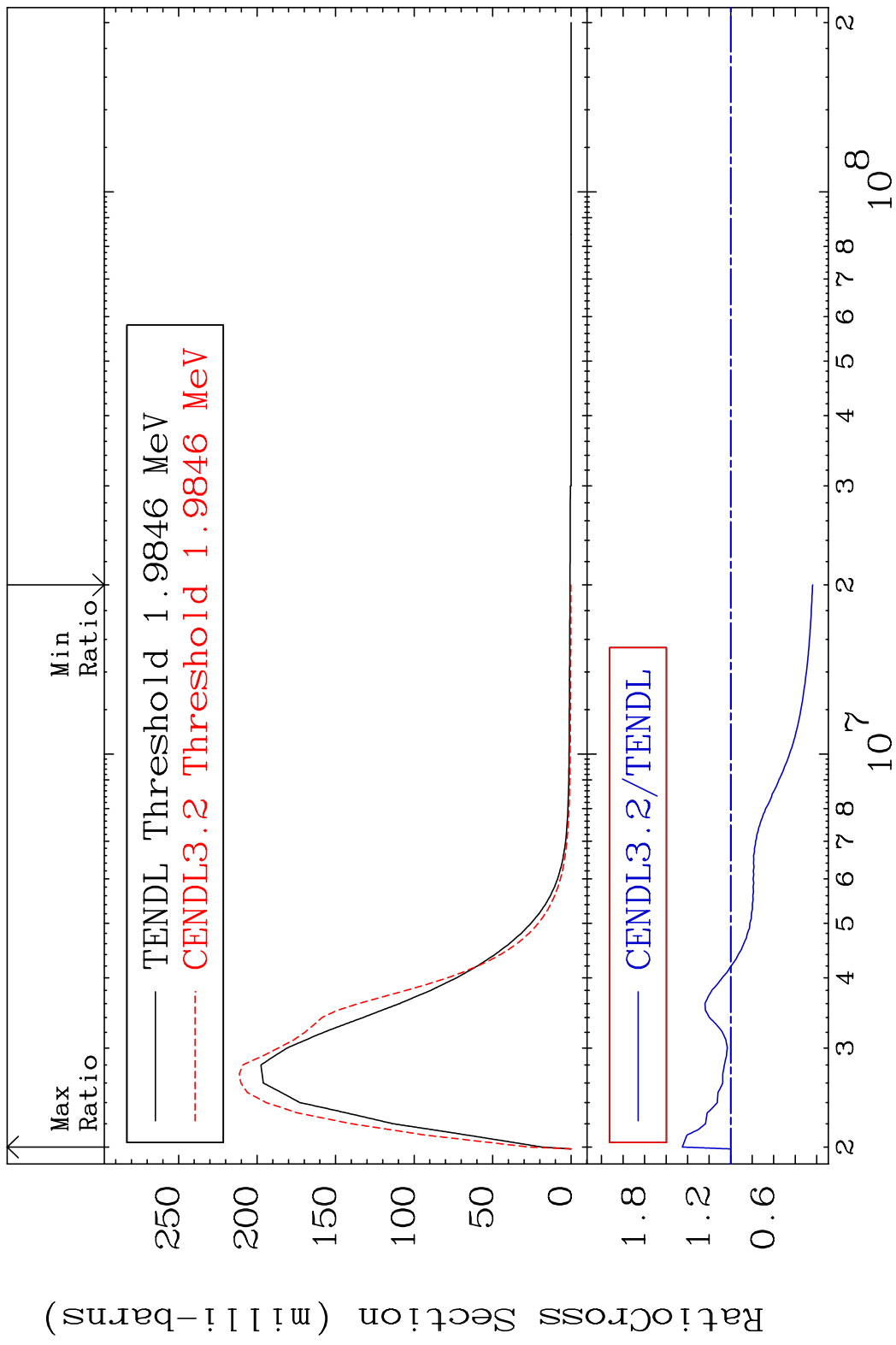
MAT 3443 MT= 54 (n, n') Level 34-Se-80
 Cross Section -89.43 To 5.945 %



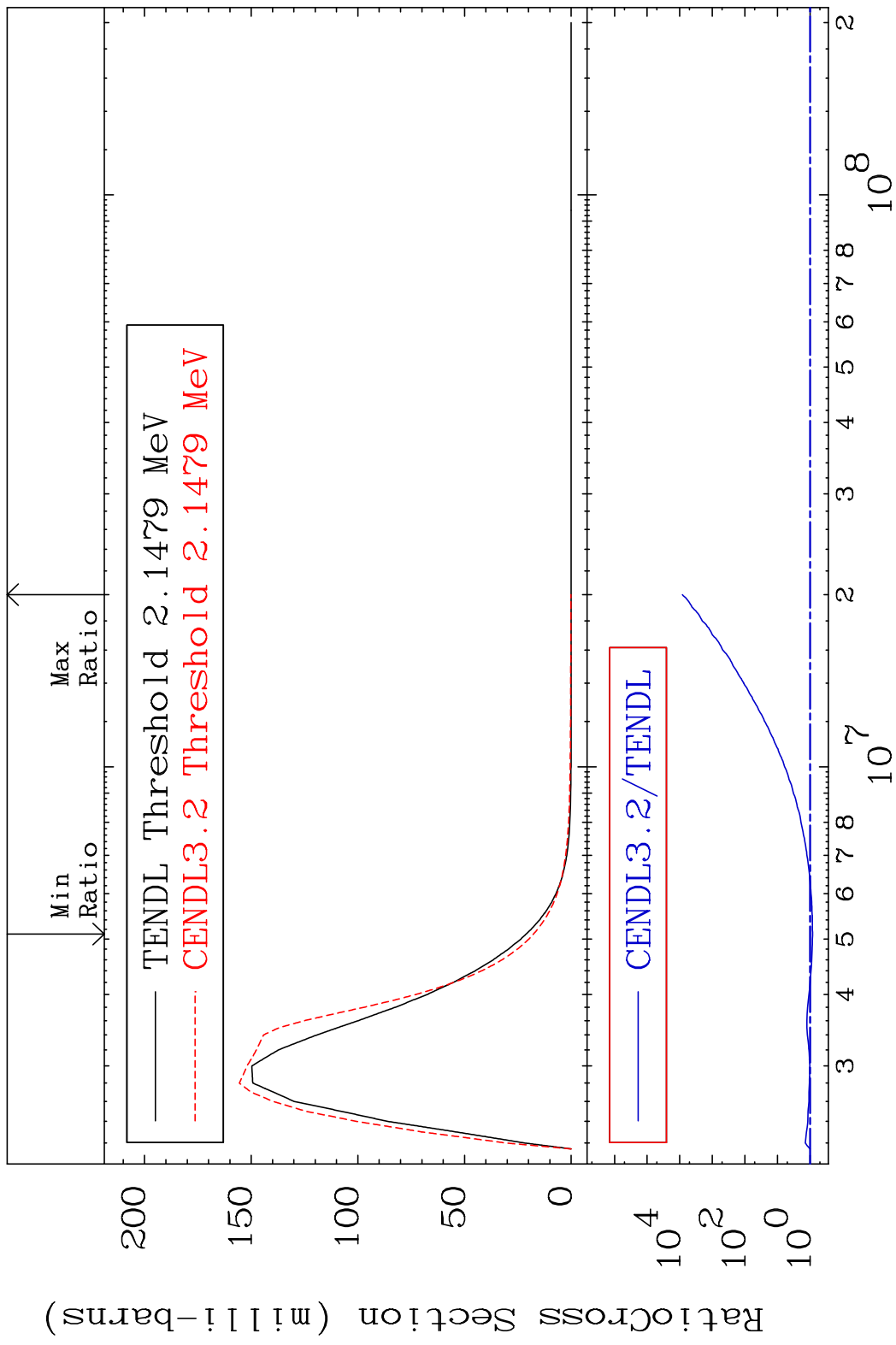
MAT 3443 MT= 55 (n, n') Level 34-Se-80
 Cross Section -11.82 To 9999. %



MAT 3443 MT= 56 (n, n') Level 34-Se-80
 Cross Section -76.09 To 44.88 %

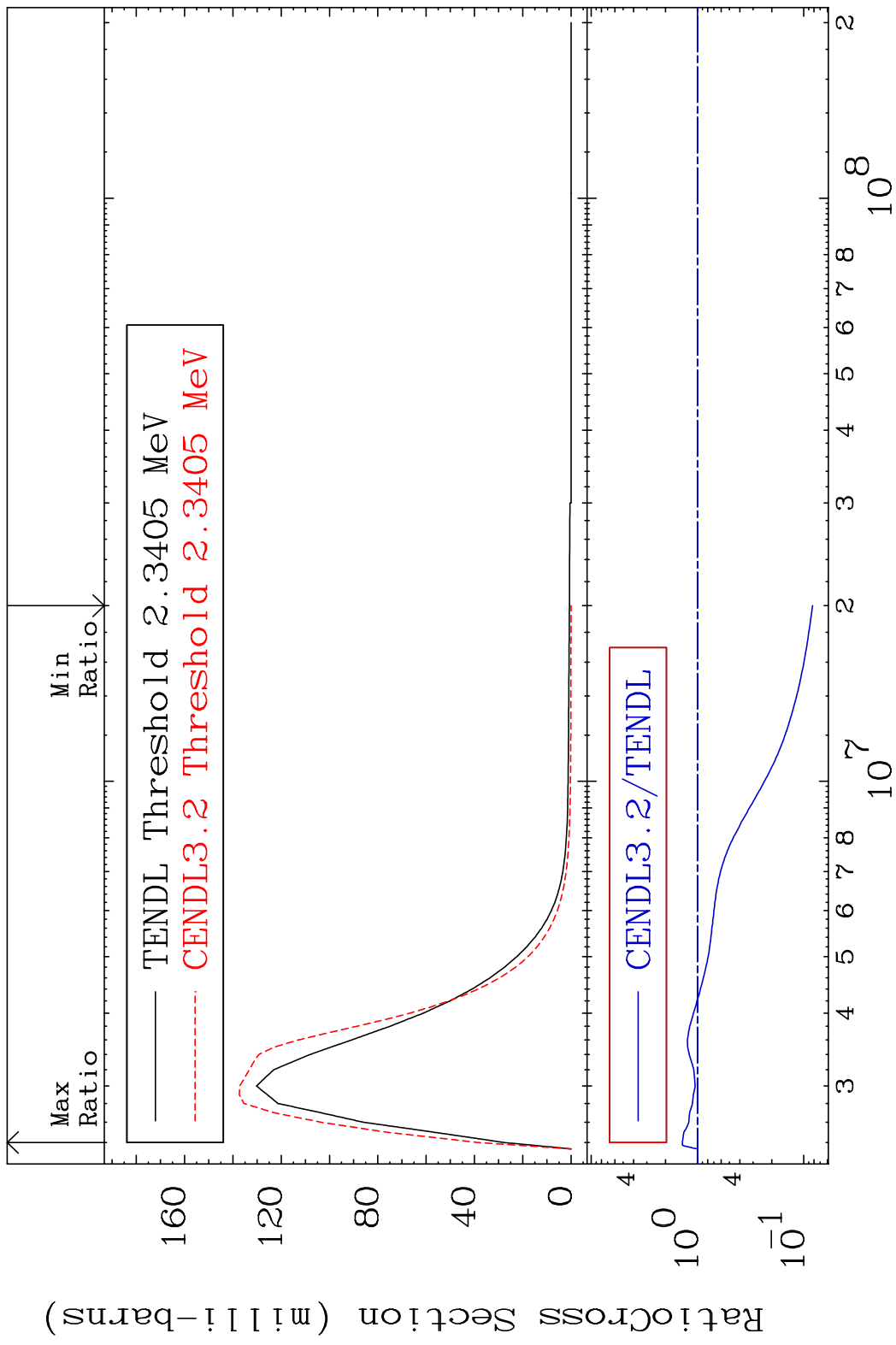


MAT 3443 MT= 57 (n, n') Level 34-Se-80
 Cross Section -16.57 To 9999. %



14 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 58 (n,n') Level 34-Se-80
 Cross Section -91.74 To 38.80 %



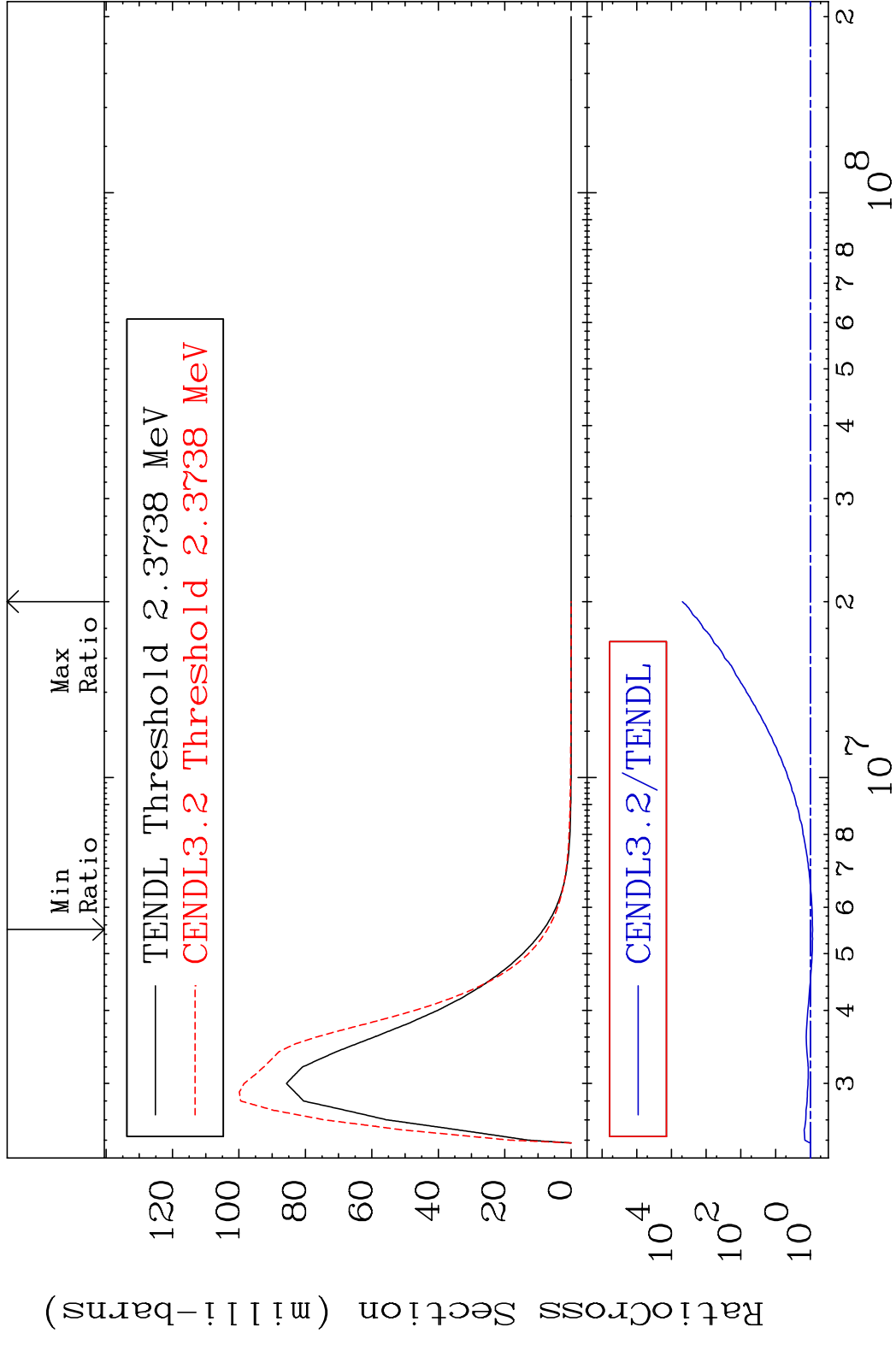
15 Incident Energy (eV) 34-Se-80

MAT 3443

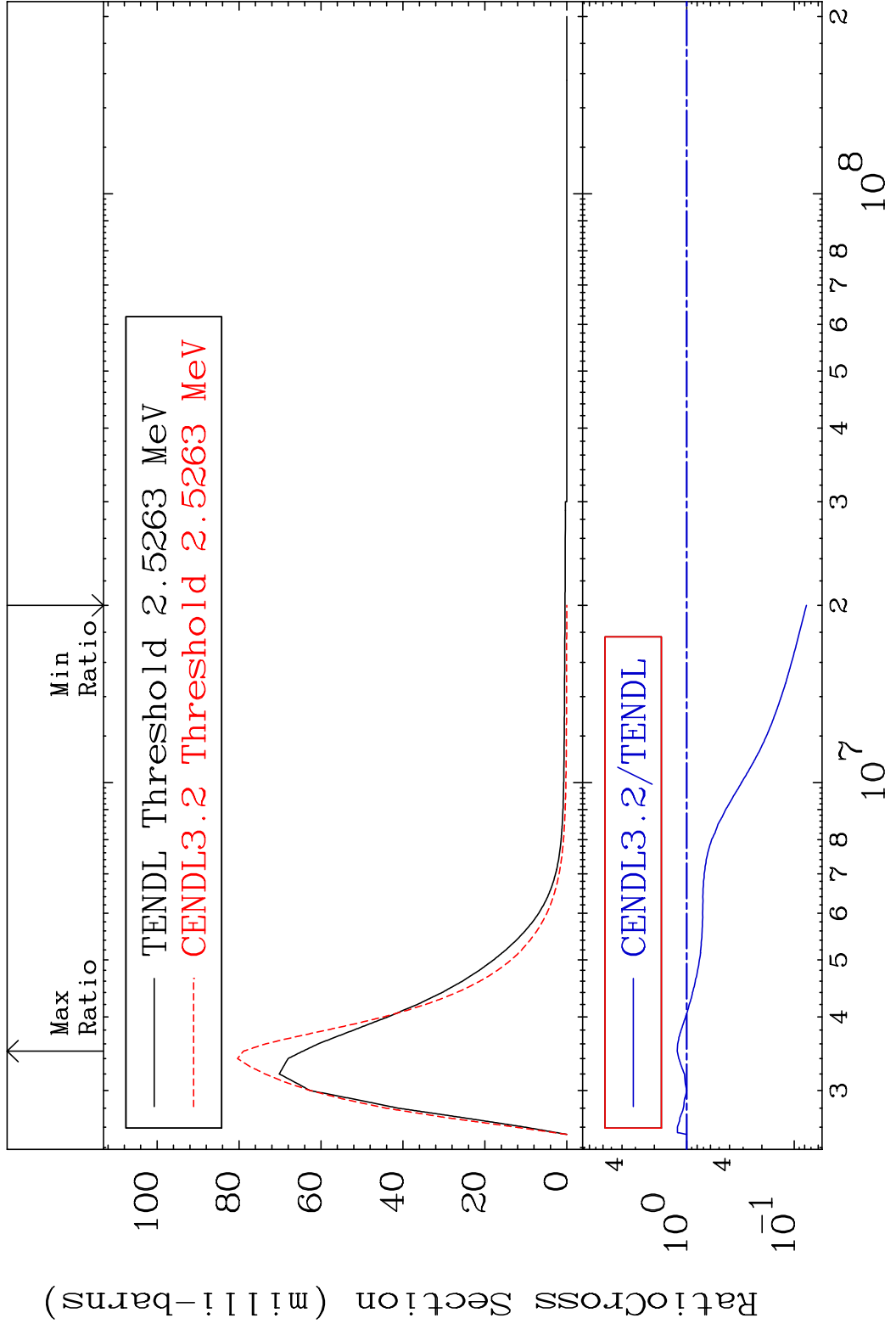
MT= 59 (n,n') Level

34-Se-80

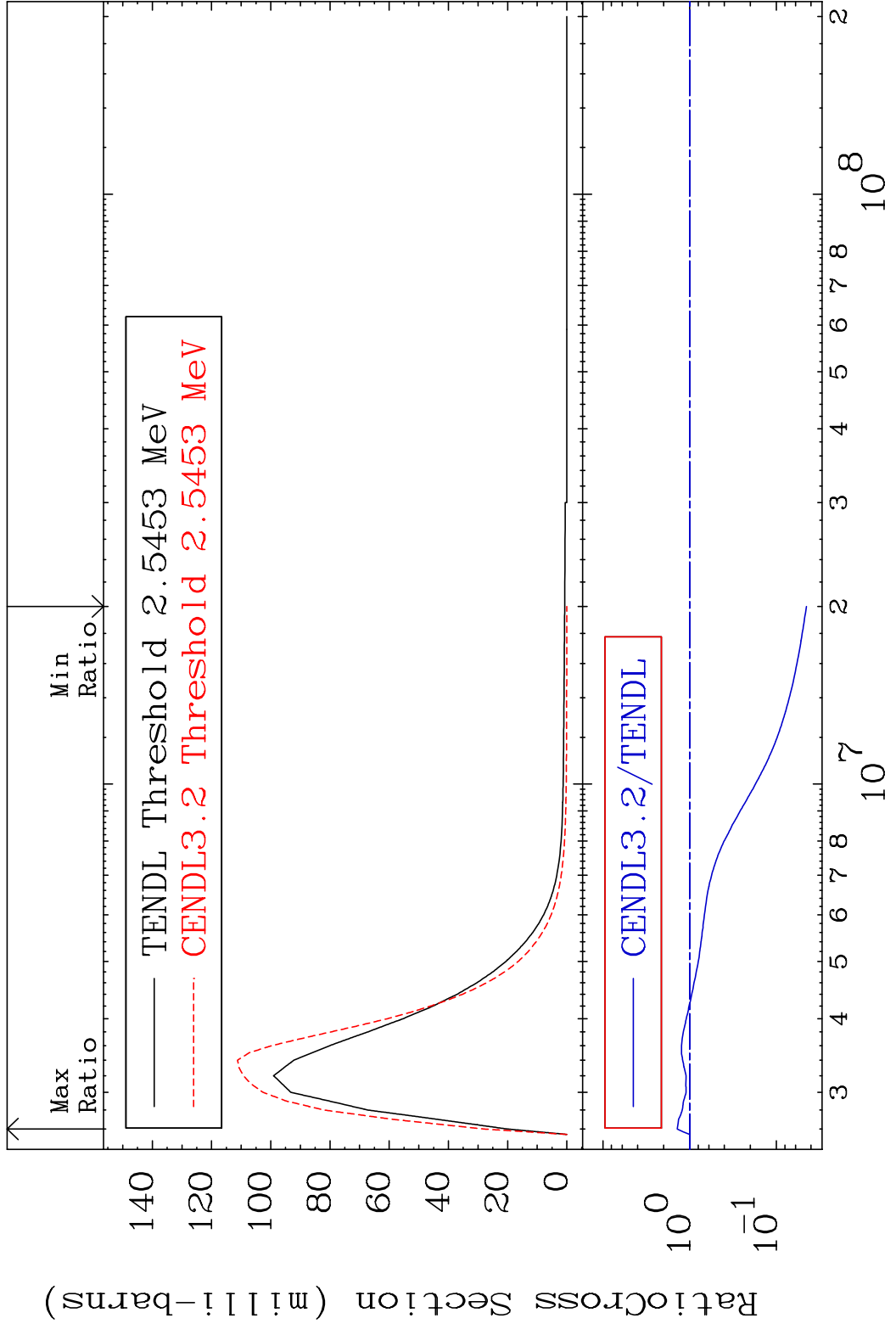
Cross Section -14.40 To 9999. %



MAT 3443 MT= 60 (n, n') Level 34-Se-80
 Cross Section -92.28 To 22.56 %

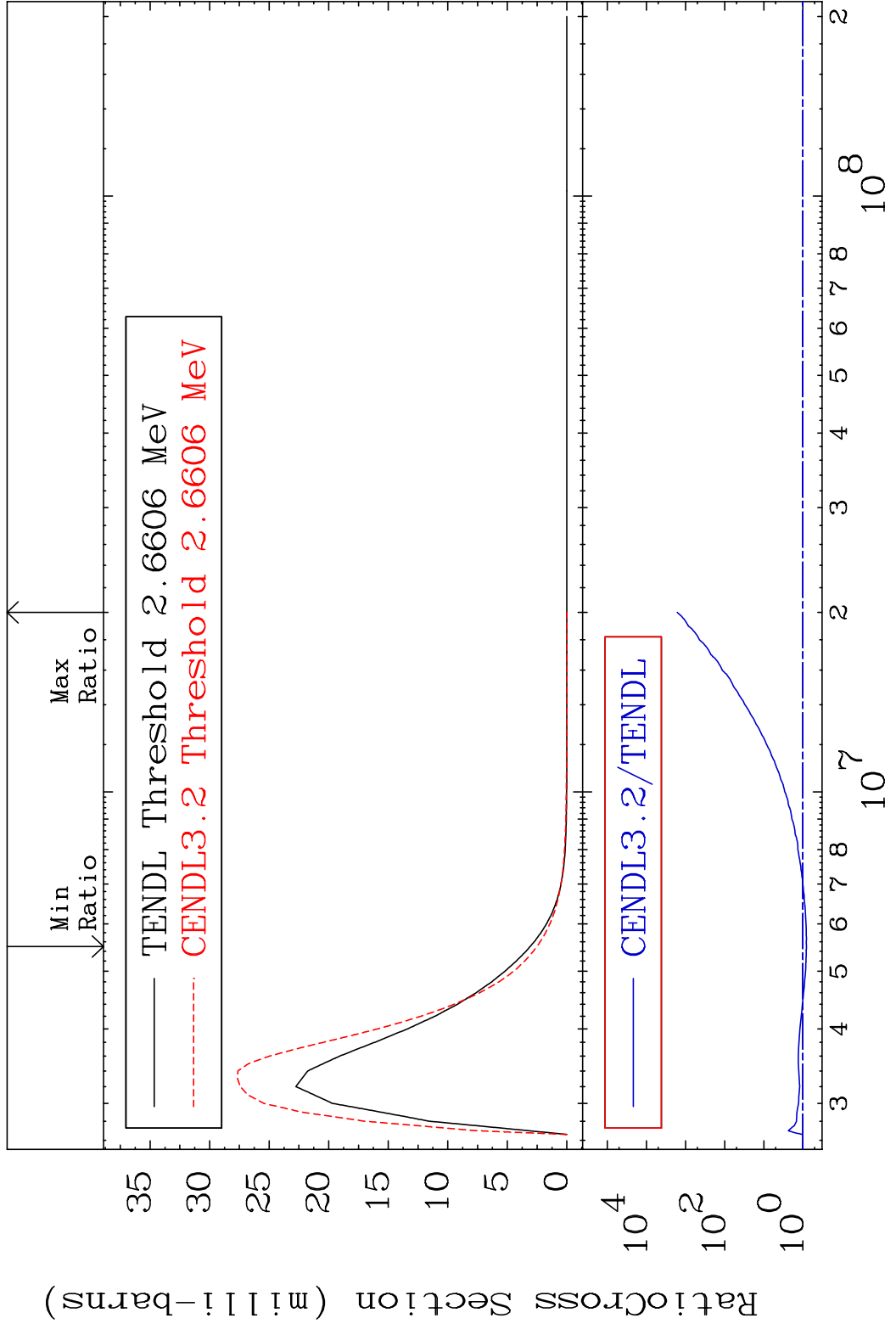


MAT 3443 MT= 61 (n, n') Level 34-Se-80
 Cross Section -95.49 To 39.62 %

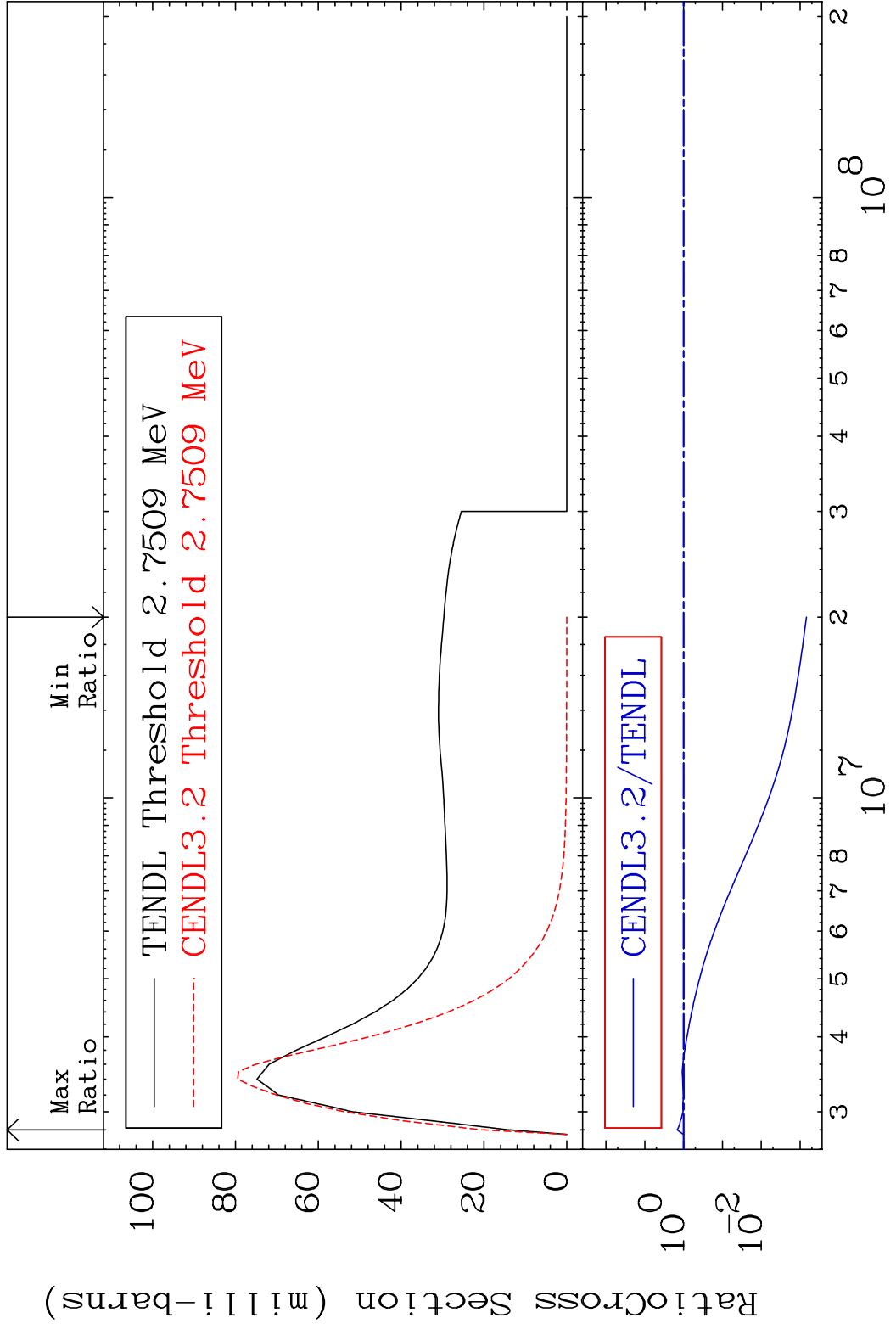


18 34-Se-80

MAT 3443 MT= 62 (n,n') Level 34-Se-80
 Cross Section -18.60 To 9999. %

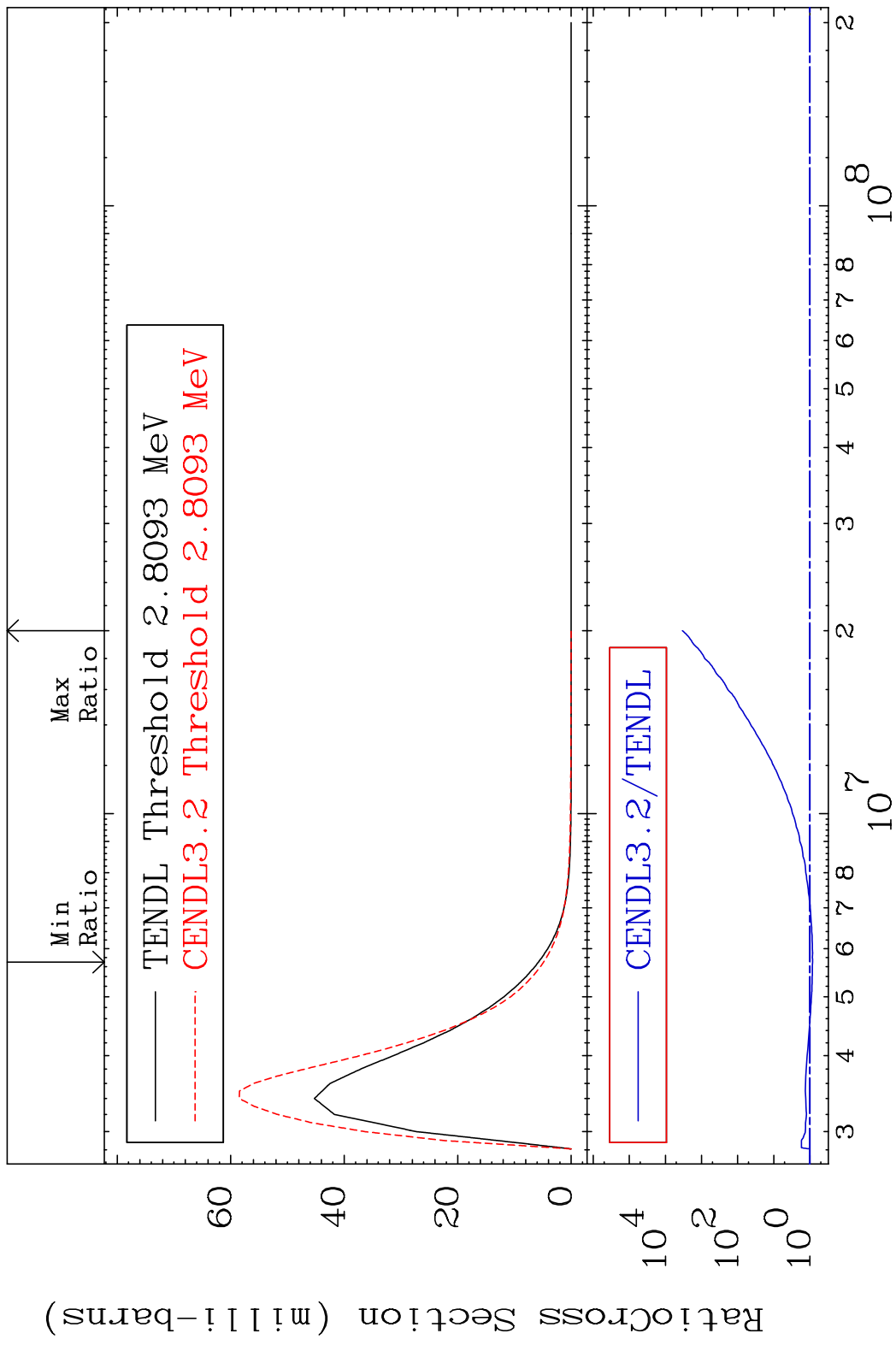


MAT 3443 MT= 63 (n, n') Level 34-Se-80
 Cross Section -99.93 To 46.34 %

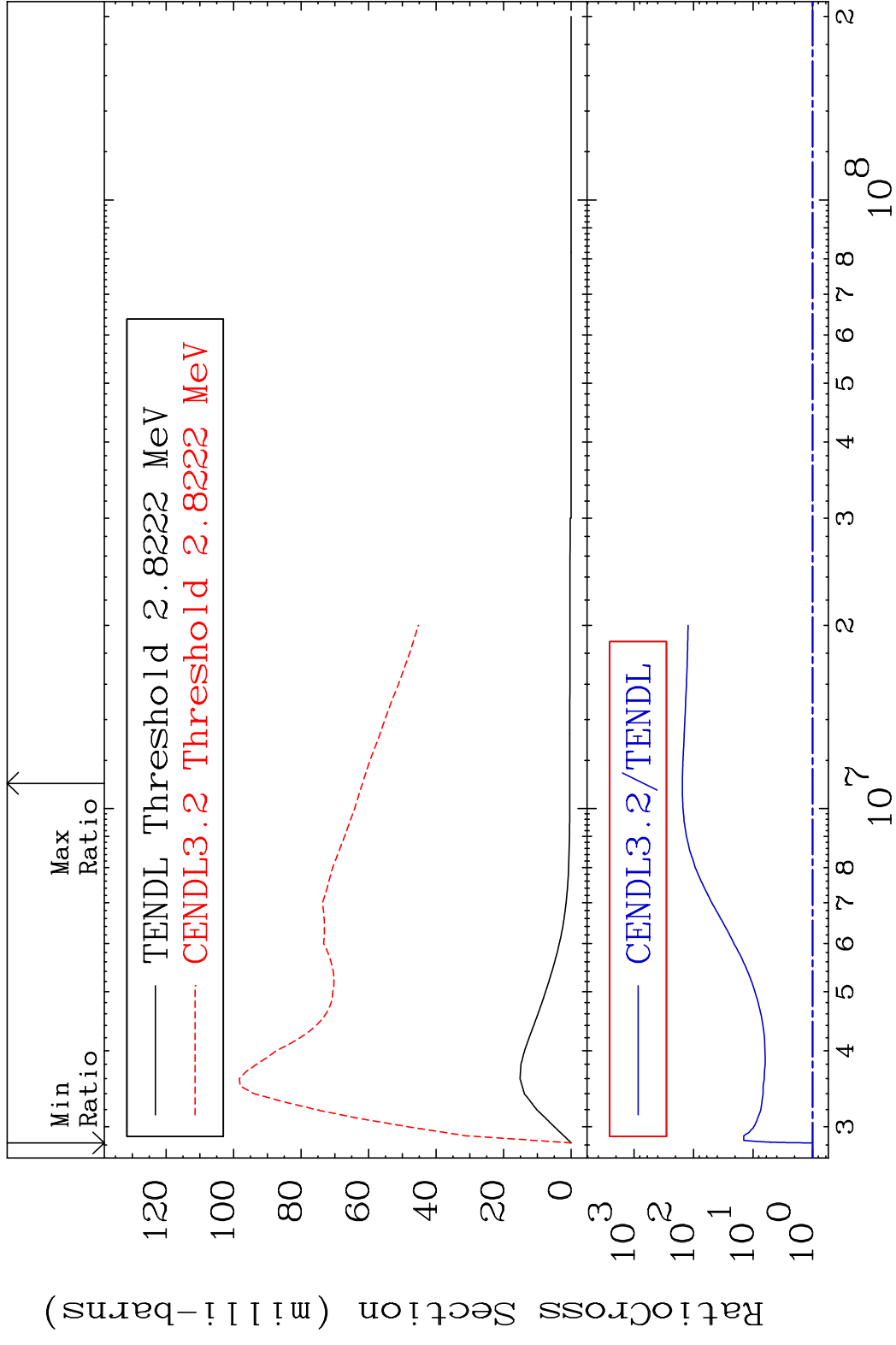


20 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 64 (n, n') Level 34-Se-80
 Cross Section -15.72 To 9999. %



MAT 3443 MT= 65 (n,n') Level 34-Se-80
 Cross Section 0.000 To 9999. %

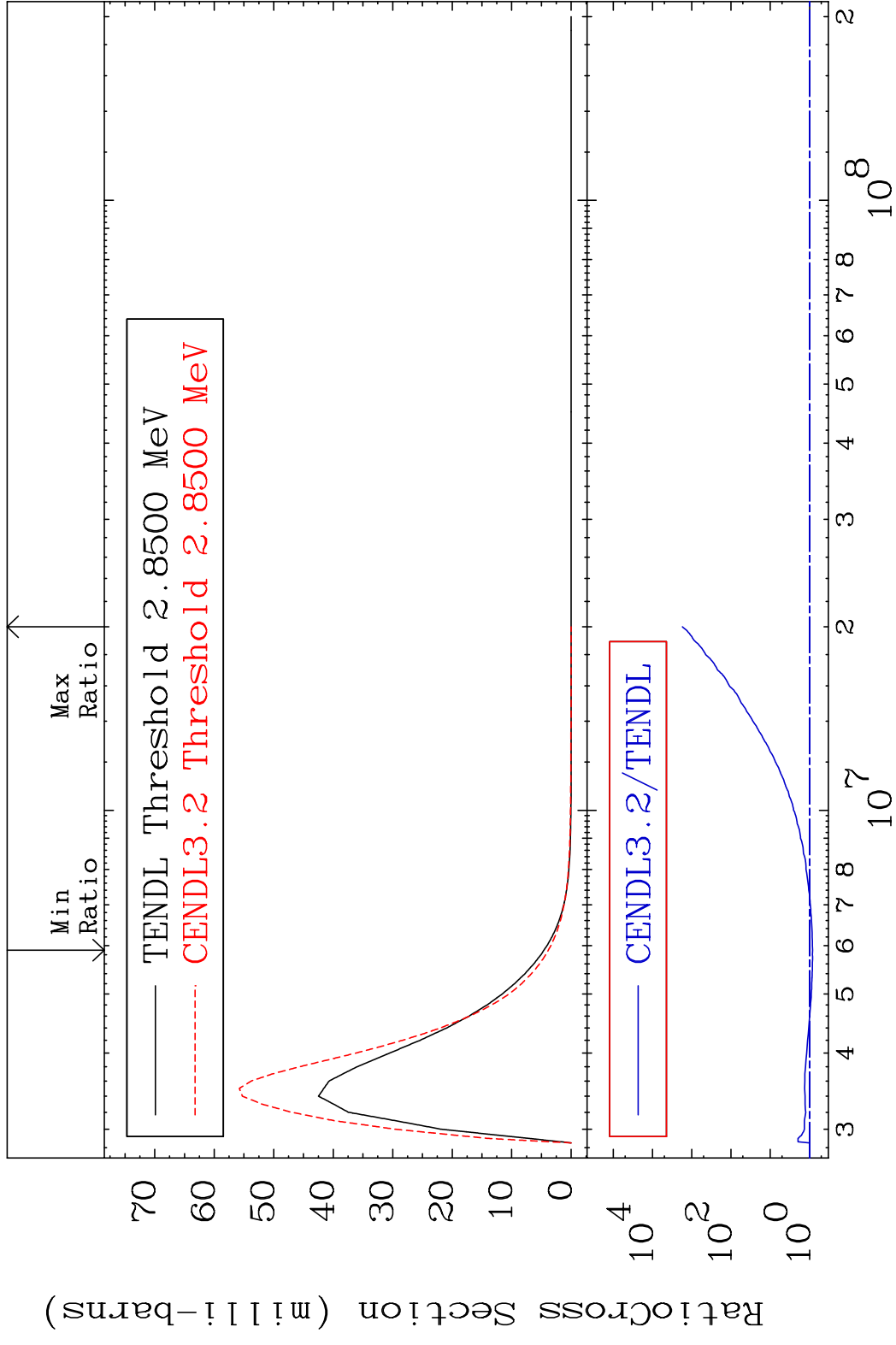


MAT 3443

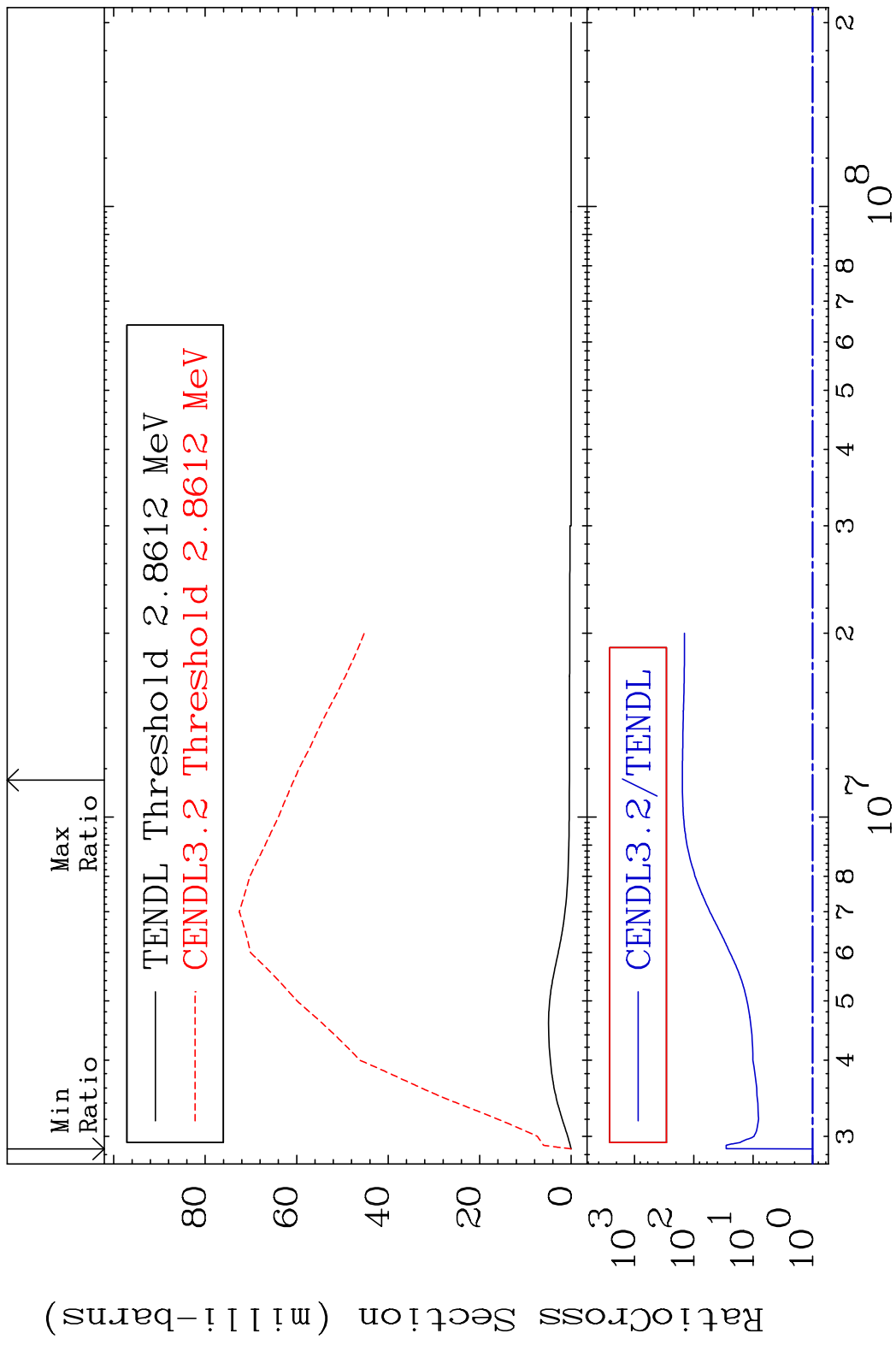
MT= 66 (n,n') Level

34-Se-80

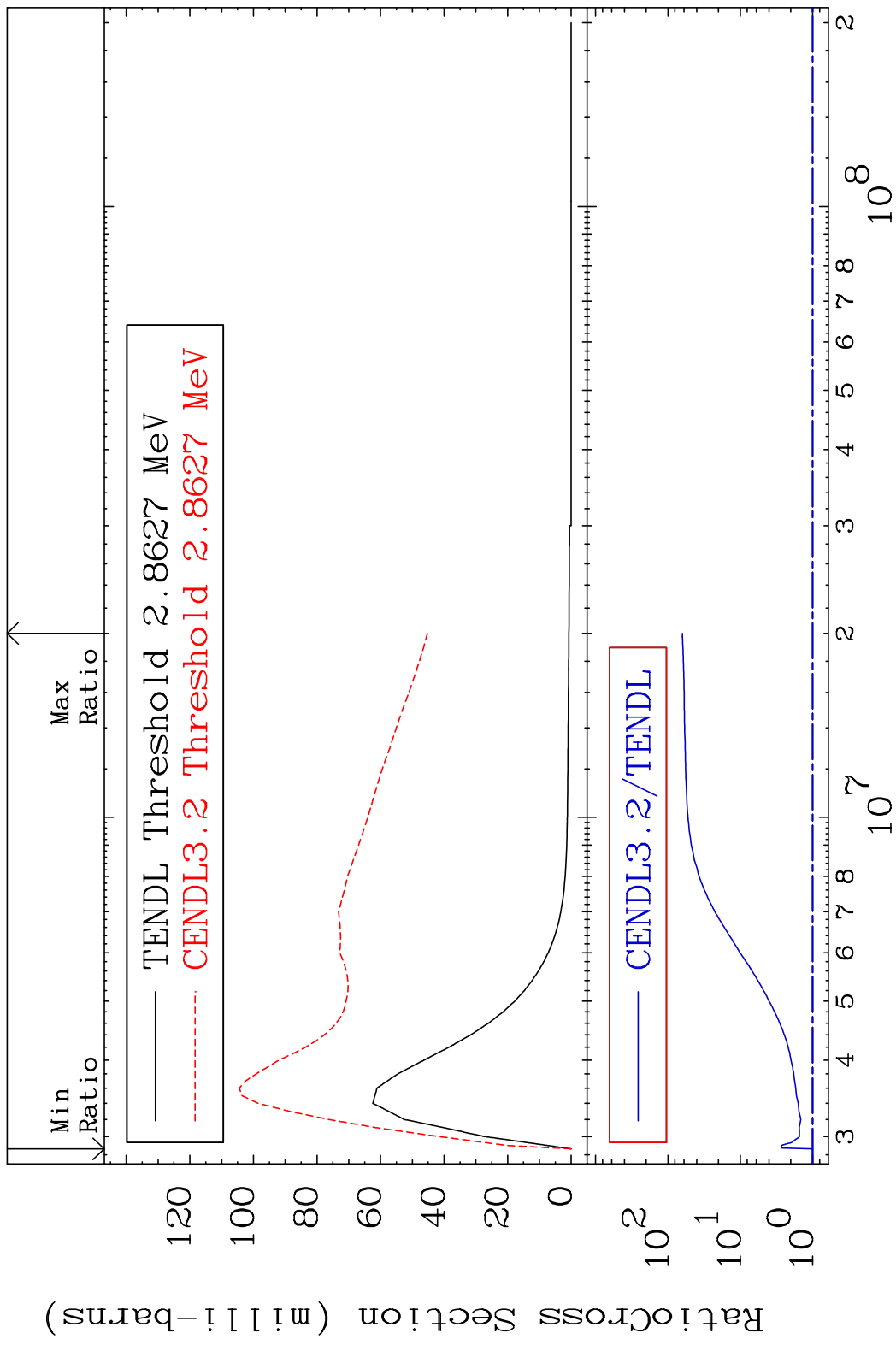
Cross Section -16.17 To 9999. %



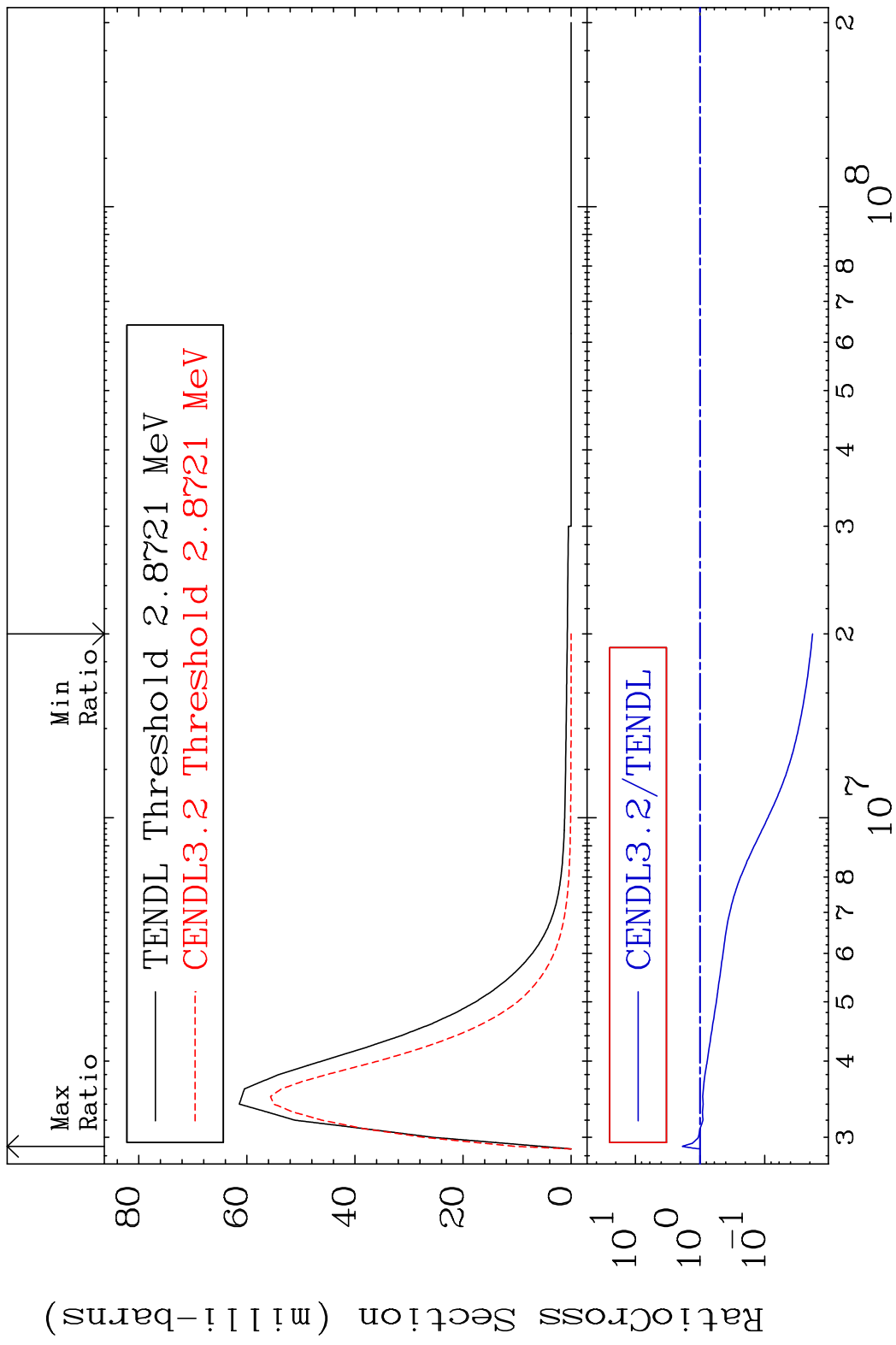
MAT 3443 MT= 67 (n,n') Level 34-Se-80
 Cross Section 0.000 To 9999. %



MAT 3443 MT= 68 (n, n') Level 34-Se-80
 Cross Section 0.000 To 6216. %



MAT 3443 MT= 69 (n, n') Level 34-Se-80
 Cross Section -98.18 To 87.73 %

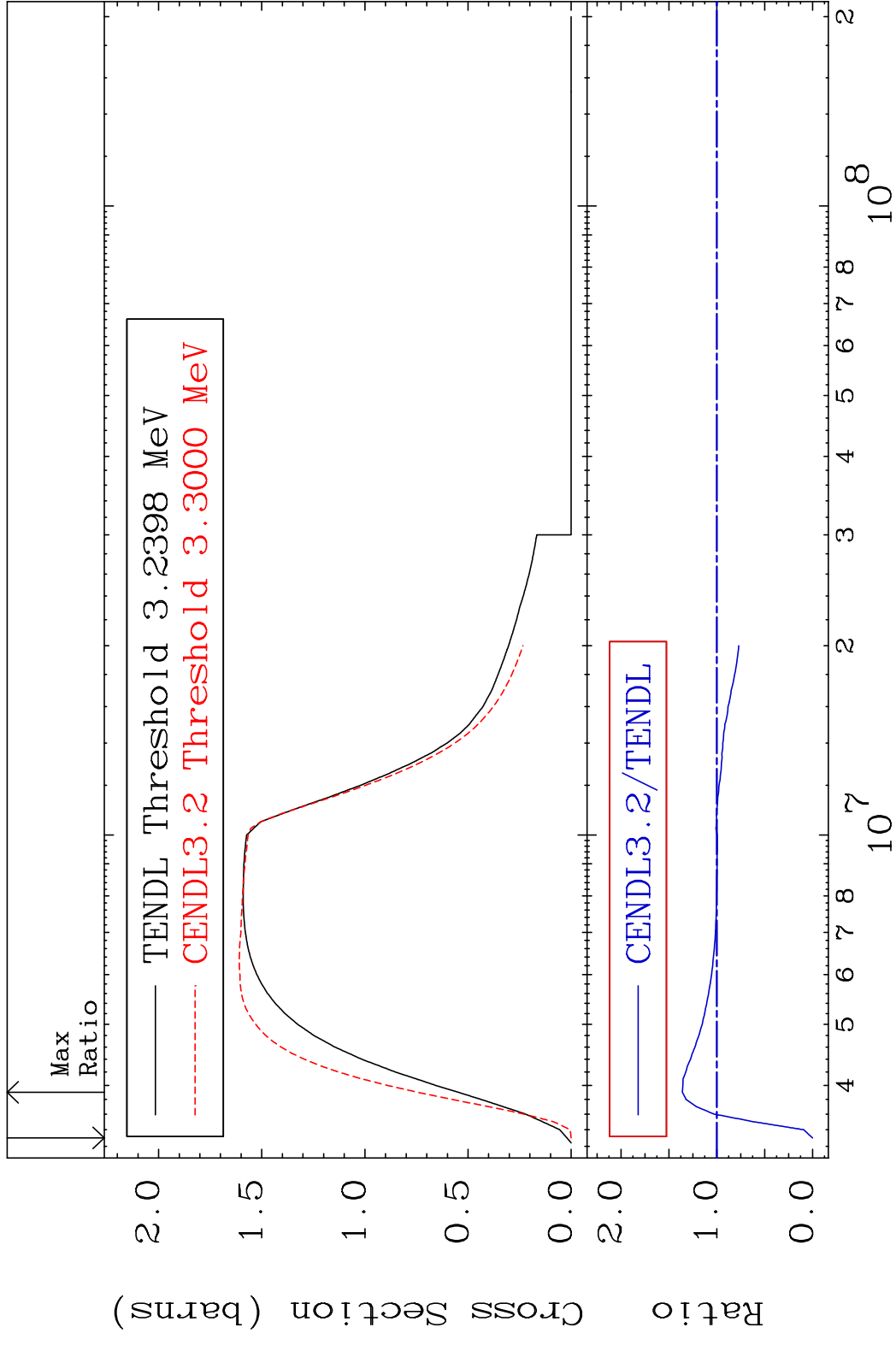


MAT 3443

(n,n') Continuum

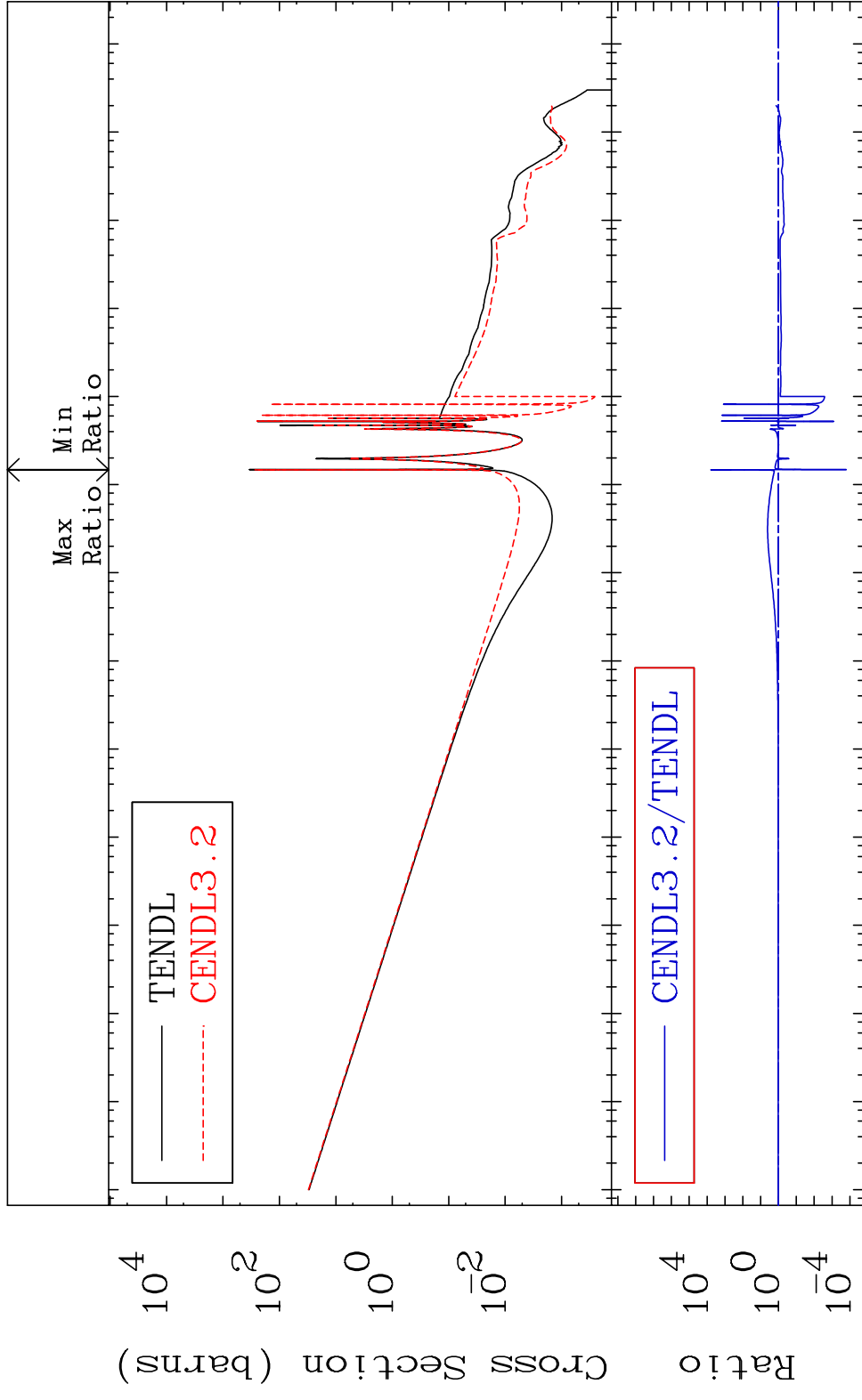
³⁴Se-80

Cross Section -100.0 To 35.96 %



MAT 3443

(n, γ)
Cross Section -99.98 To 9999. %
34-Se-80

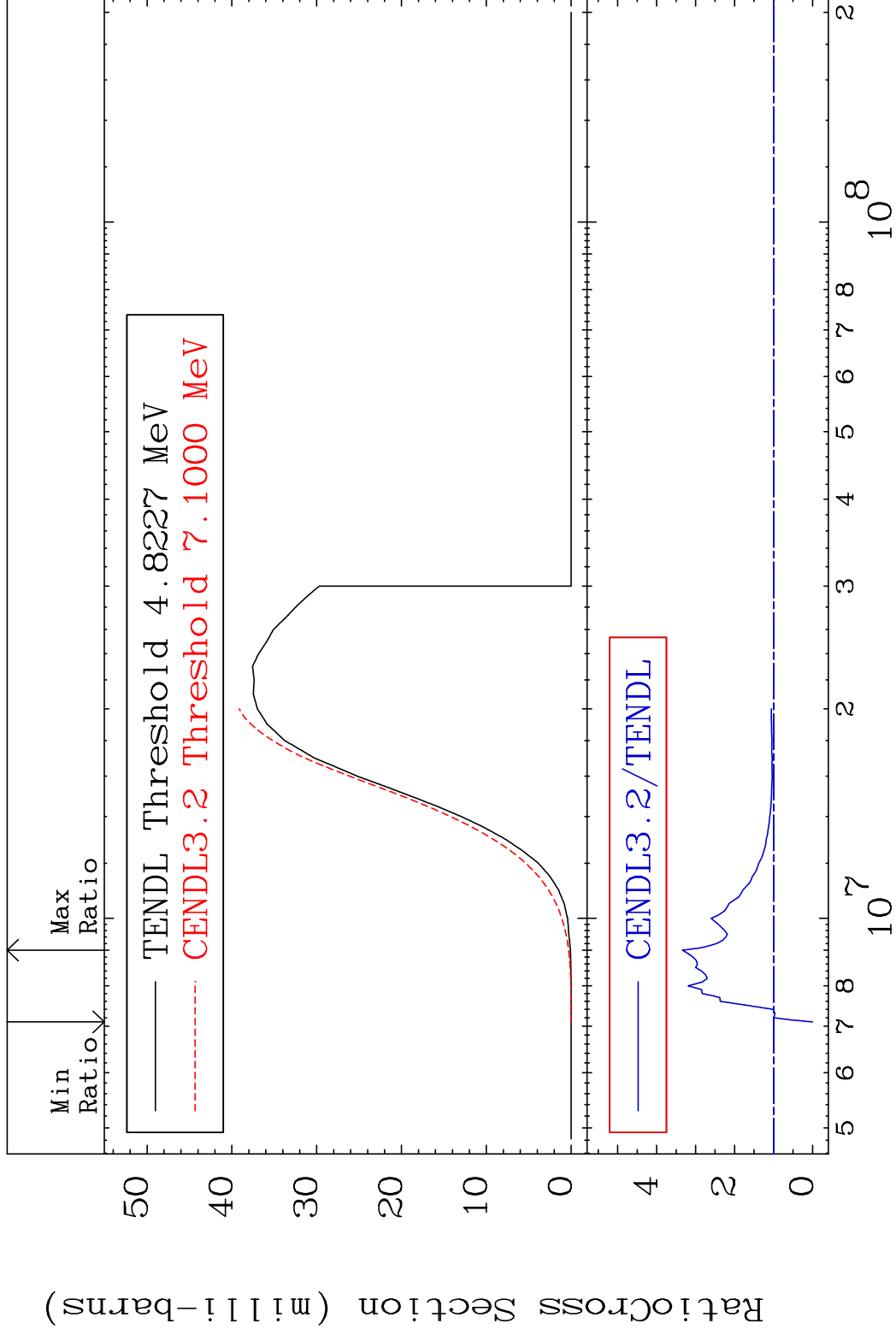


MAT 3443

(n,p)

³⁴Se-80

Cross Section -100.0 To 234.0 %



29

Incident Energy (eV)

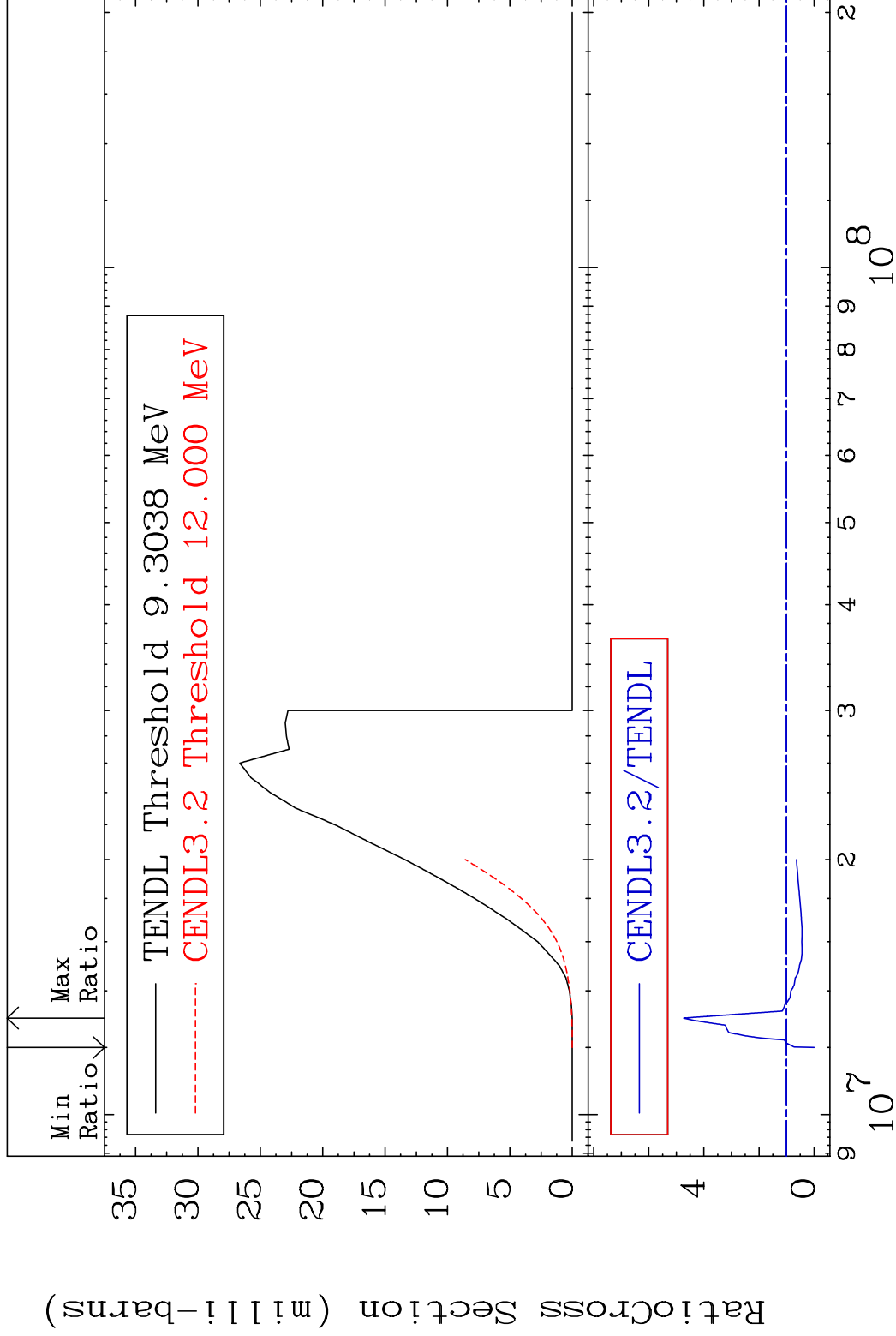
³⁴Se-80

MAT 3443

(n,d)

34-Se-80

Cross Section -100.0 To 373.4 %



30

Incident Energy (eV)

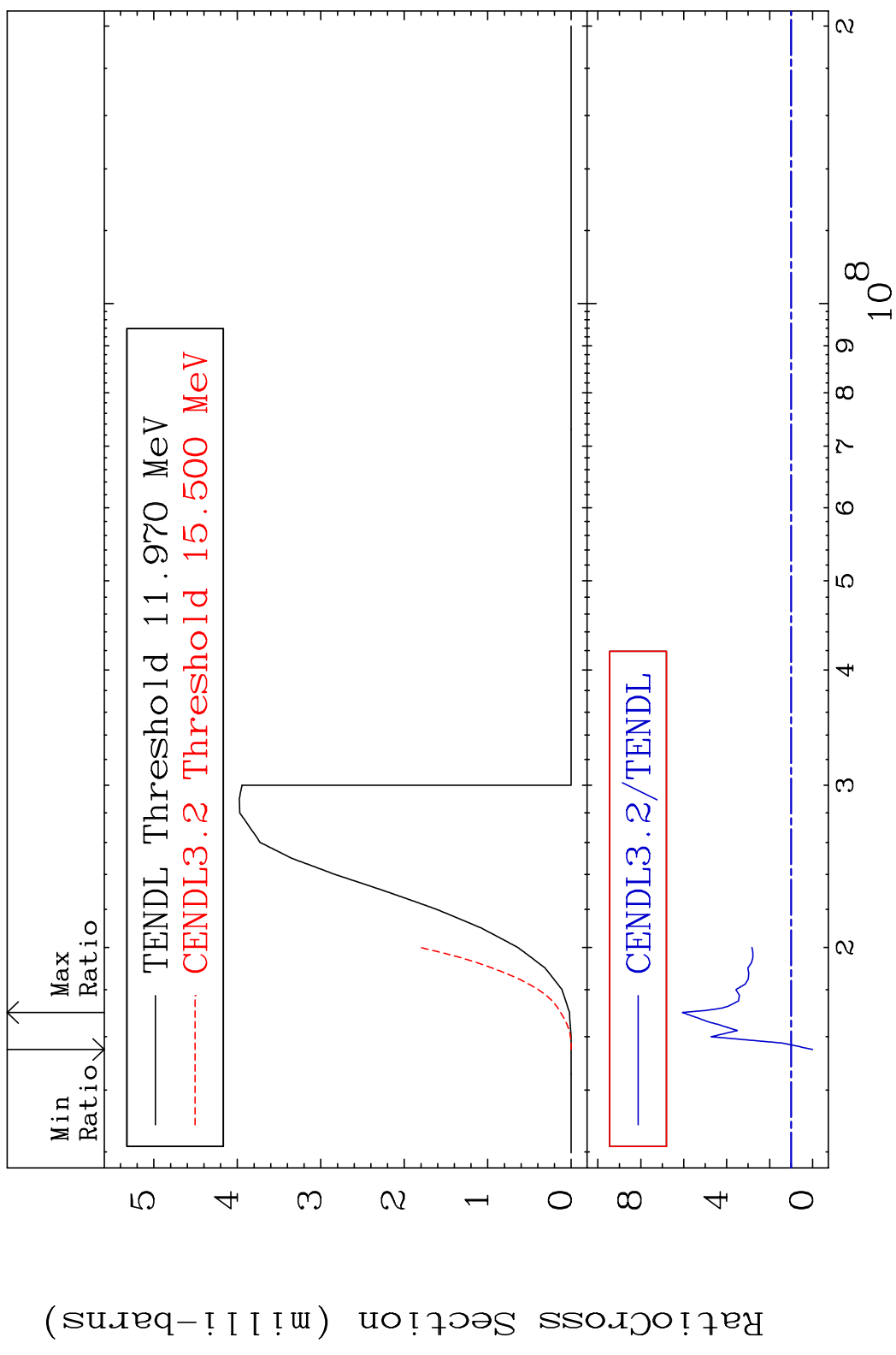
34-Se-80

MAT 3443

(n, t)

34-Se-80

Cross Section -100.0 To 506.5 %

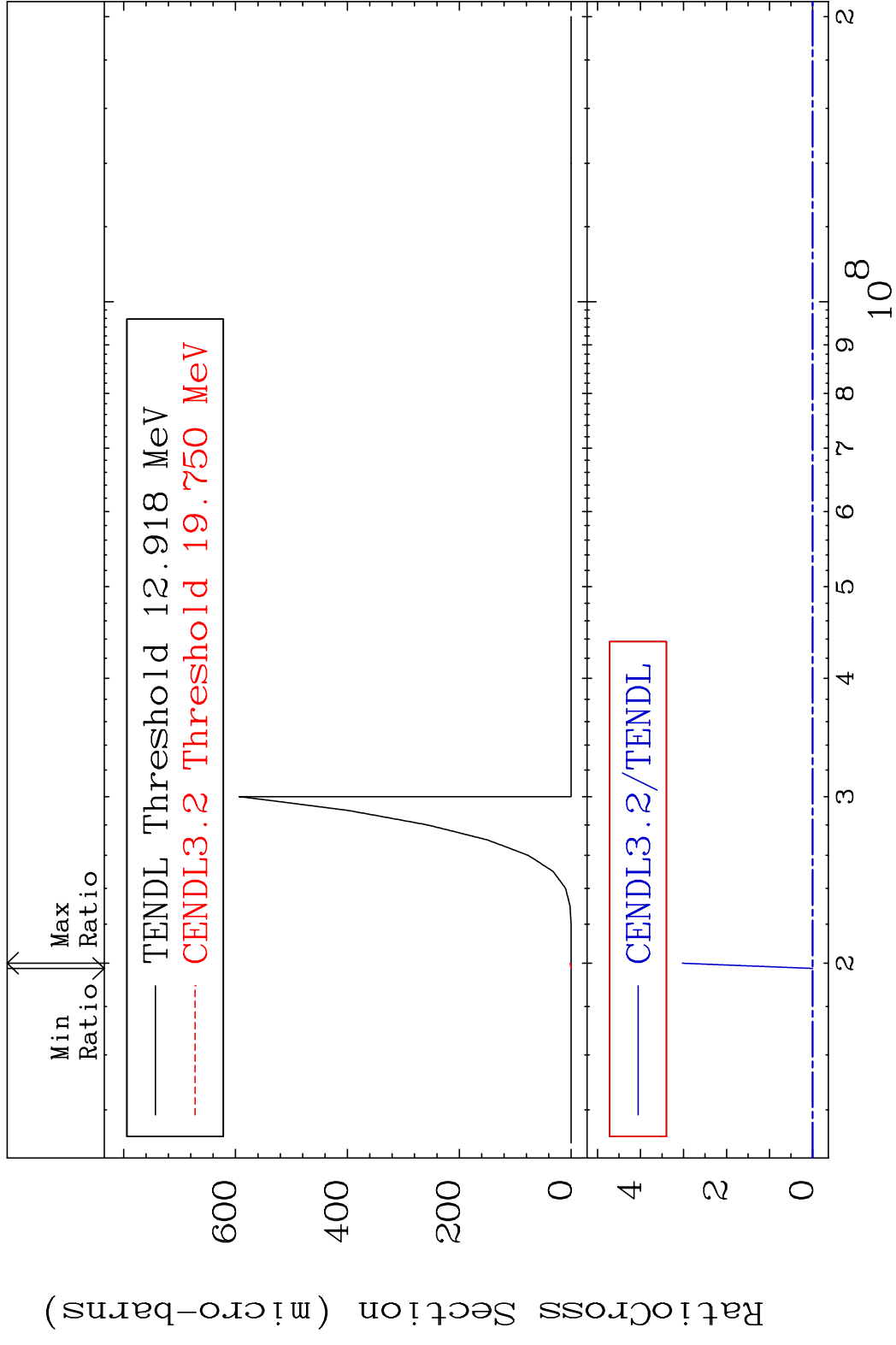


MAT 3443

(n, He-3)

34-Se-80

Cross Section -100.0 To 9999. %



32

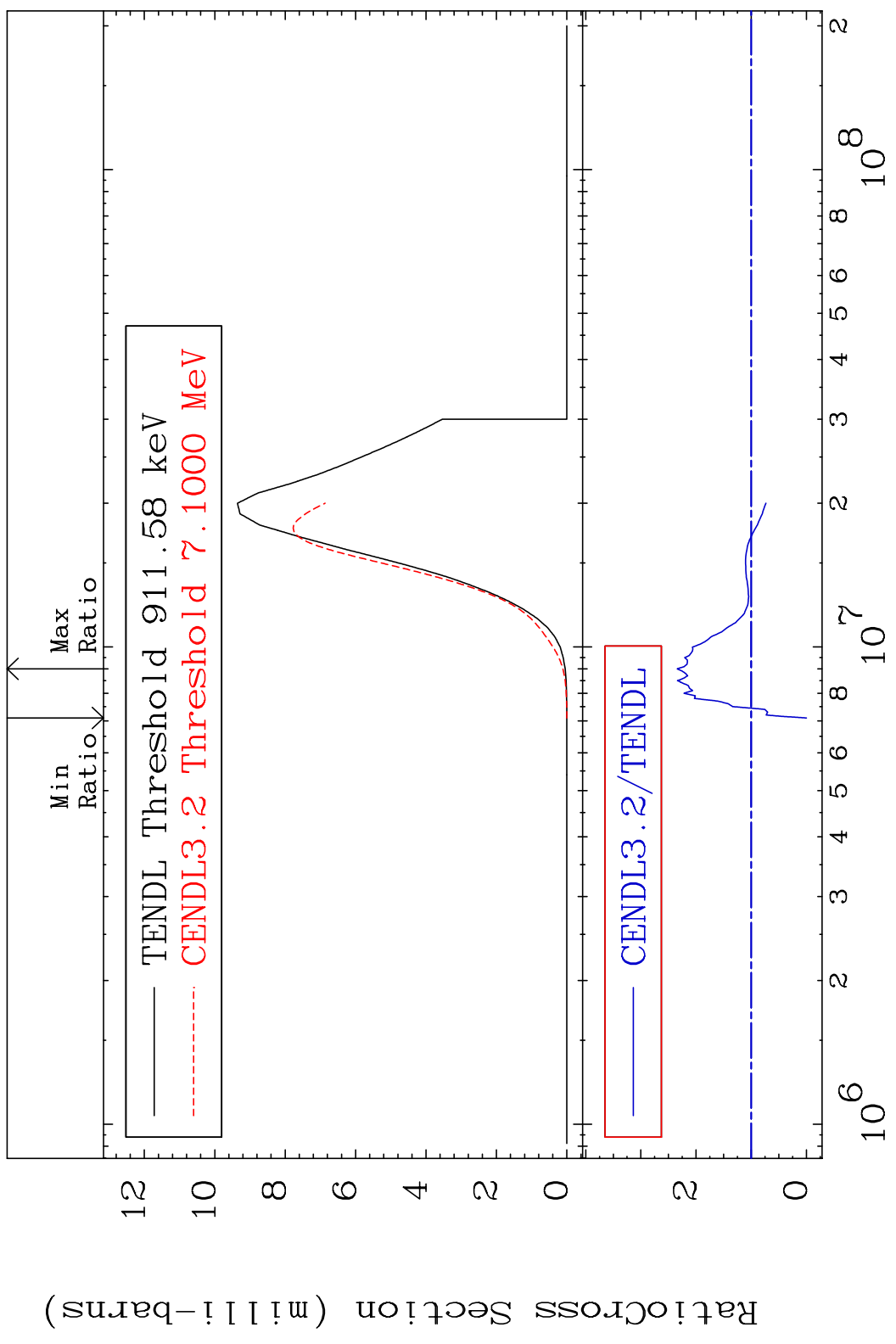
Incident Energy (eV)

34-Se-80

MAT 3443

(n, α)
Cross Section -100.0 To 134.2 %

34-Se-80



33

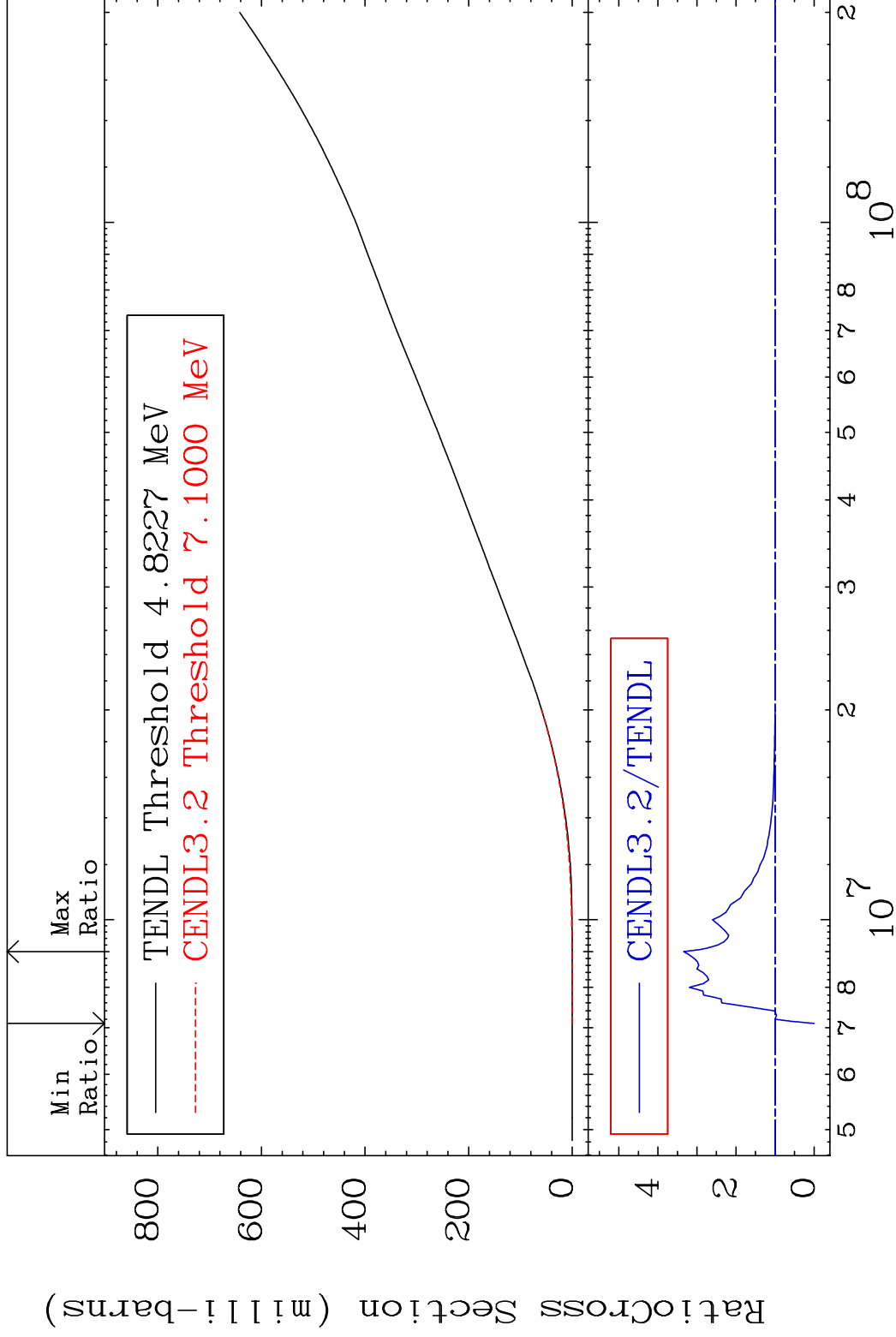
Incident Energy (eV)

34-Se-80

MAT 3443

Hydrogen Production 34-Se-80

Cross Section -100.0 To 234.0 %



34

Incident Energy (eV)

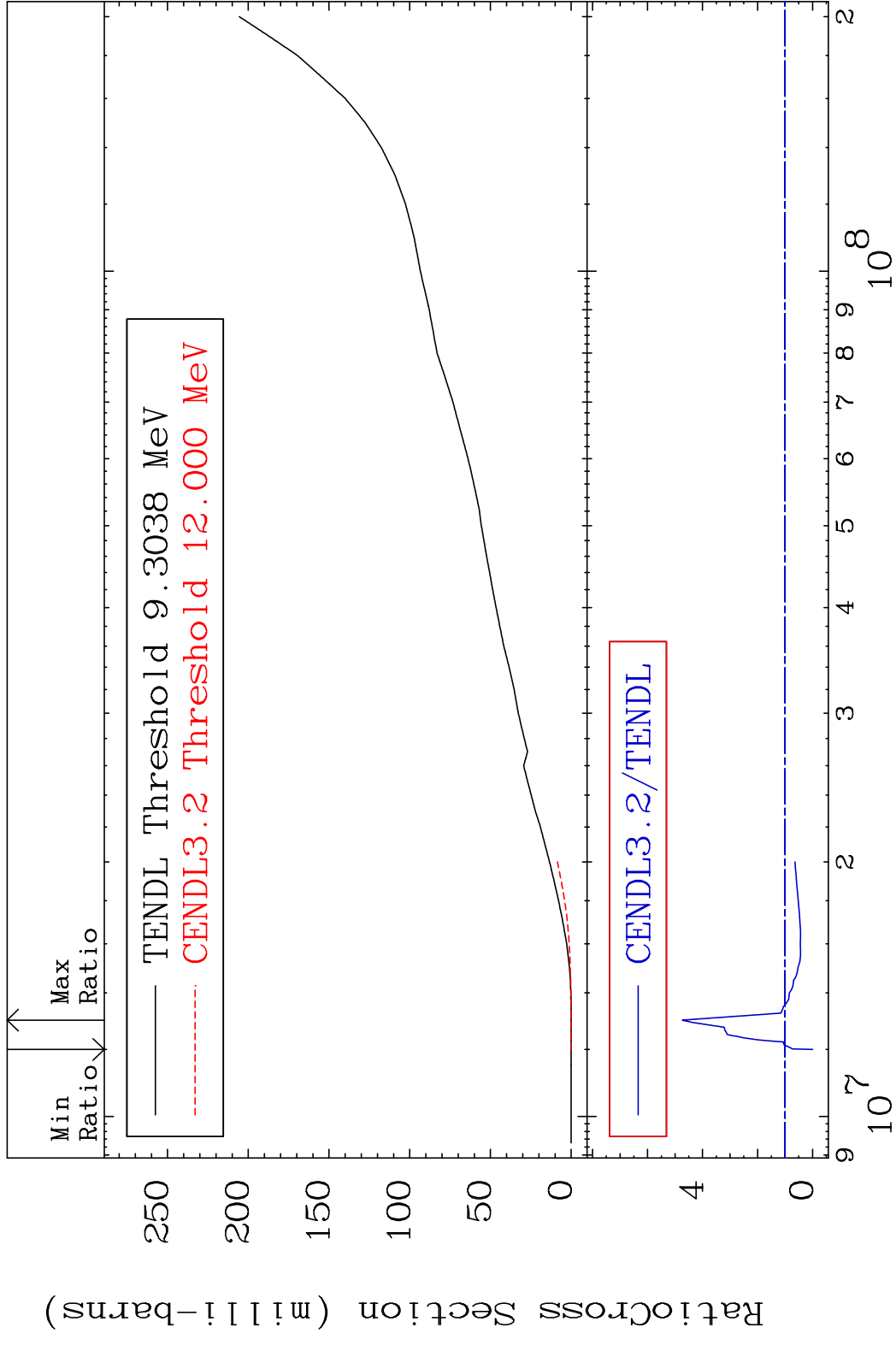
34-Se-80

MAT 3443

Deuterium Production

³⁴Se-80

Cross Section -100.0 To 373.4 %



35

Incident Energy (eV)

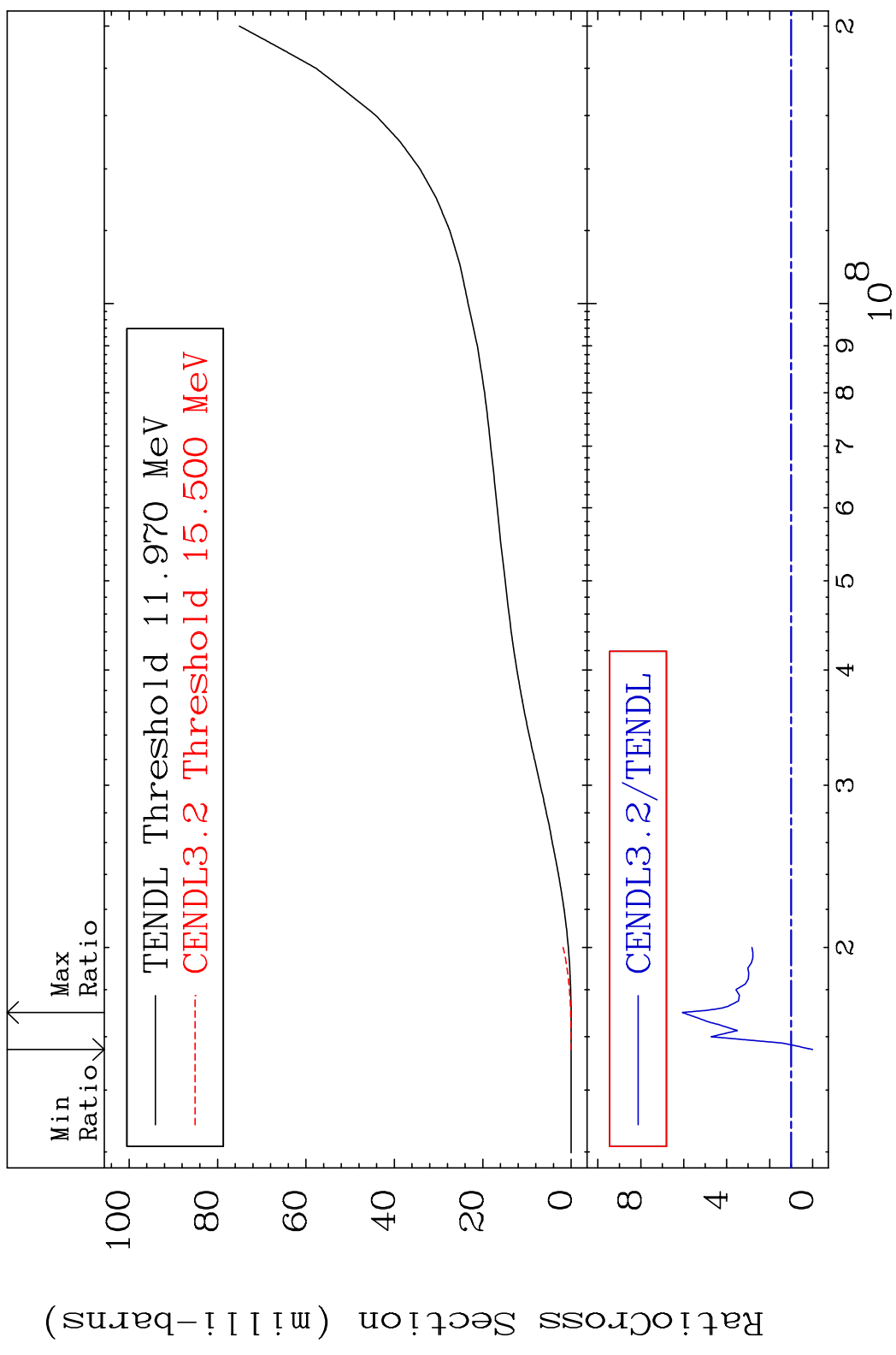
³⁴Se-80

MAT 3443

Tritium Production

34-Se-80

Cross Section -100.0 To 506.5 %

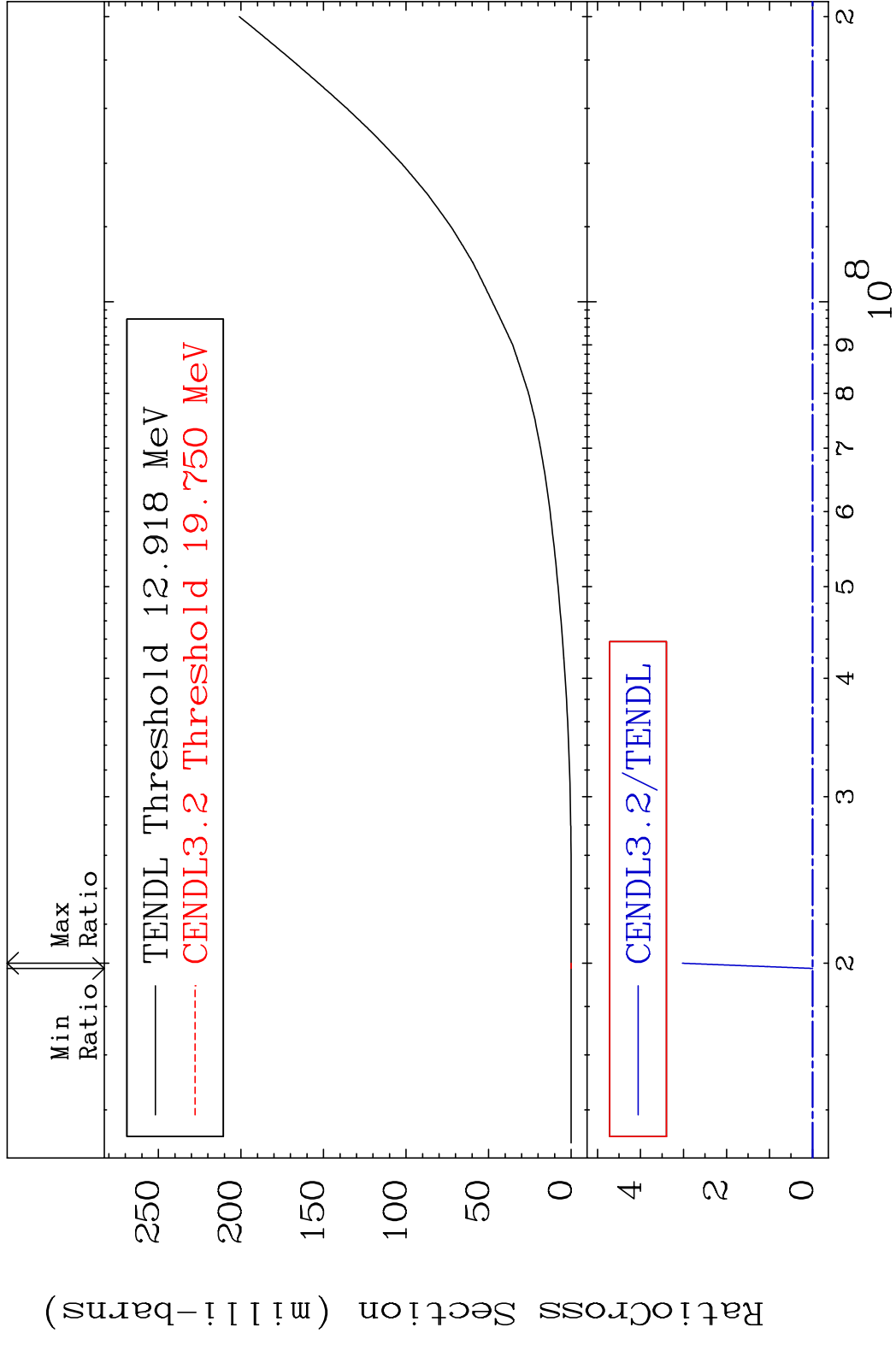


MAT 3443

He-3 Production

34-Se-80

Cross Section -100.0 To 9999. %

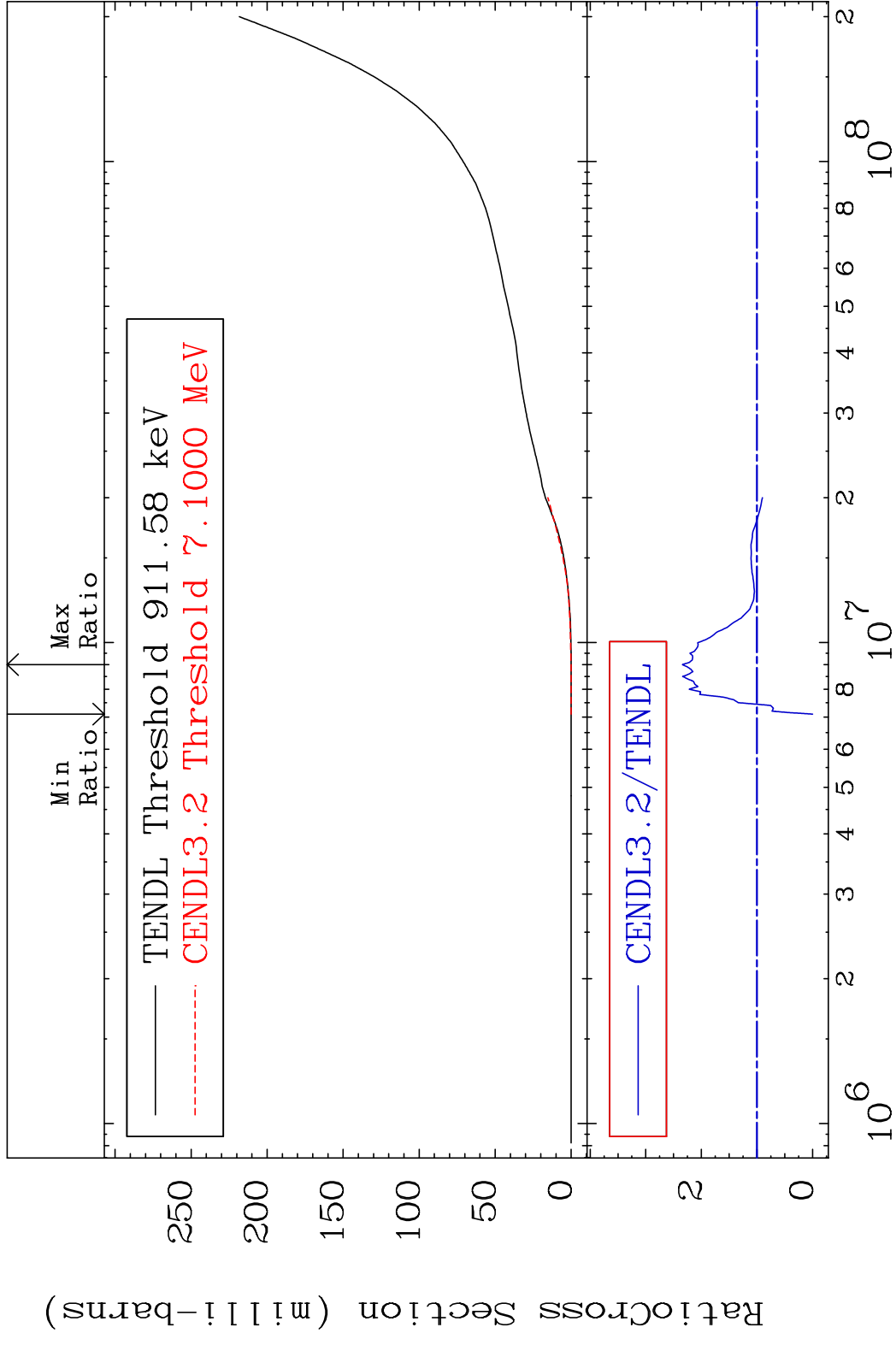


MAT 3443

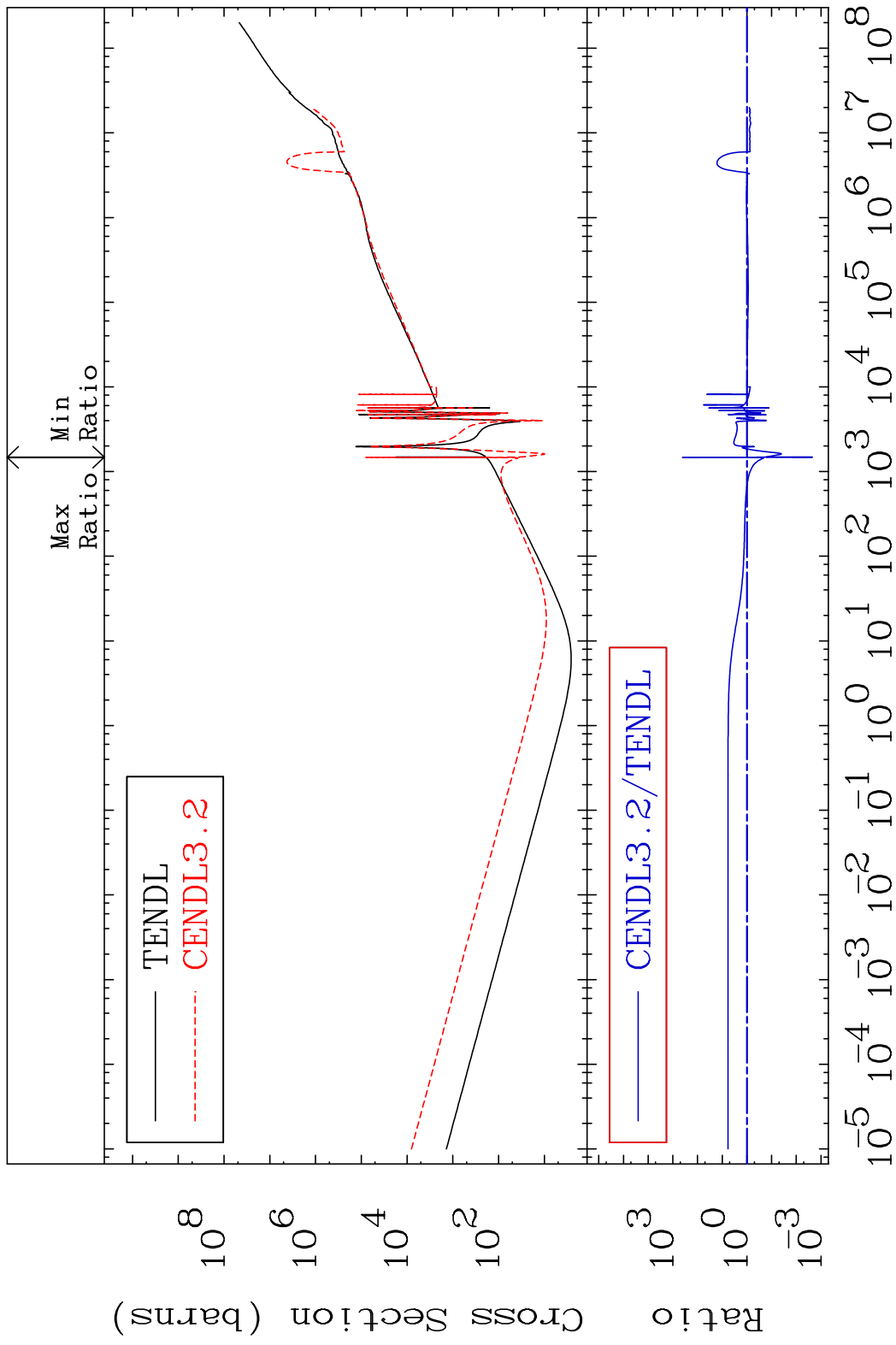
He-4 Production

³⁴Se-80

Cross Section -100.0 To 134.2 %



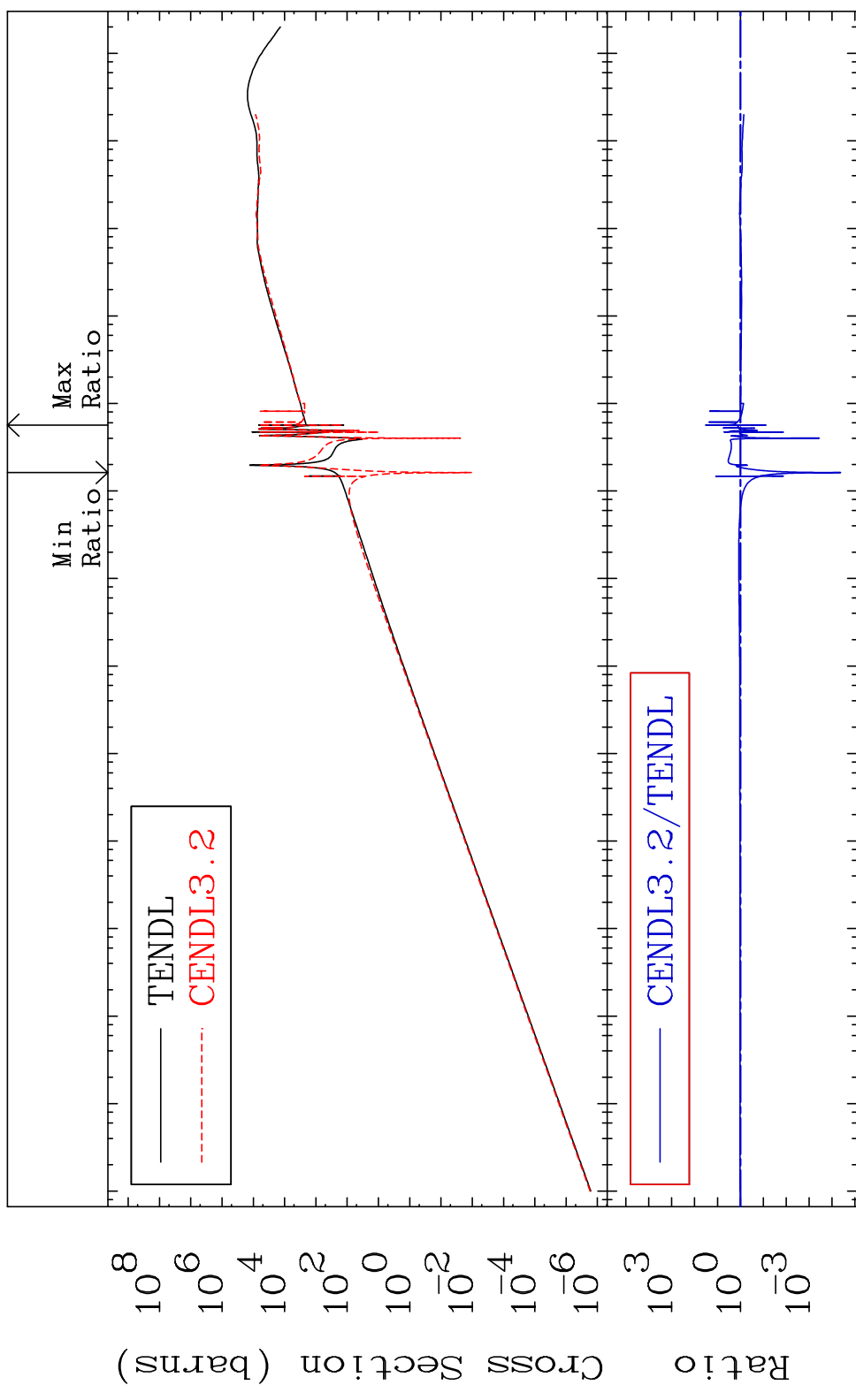
MAT 3443 Kerma total (eV-barns) 34-Se-80
 Cross Section -99.78 To 9999. %



39 Incident Energy (eV) 34-Se-80

MAT 3443

Kerma elastic Cross Section -100.0 To 3145. %
34-Se-80



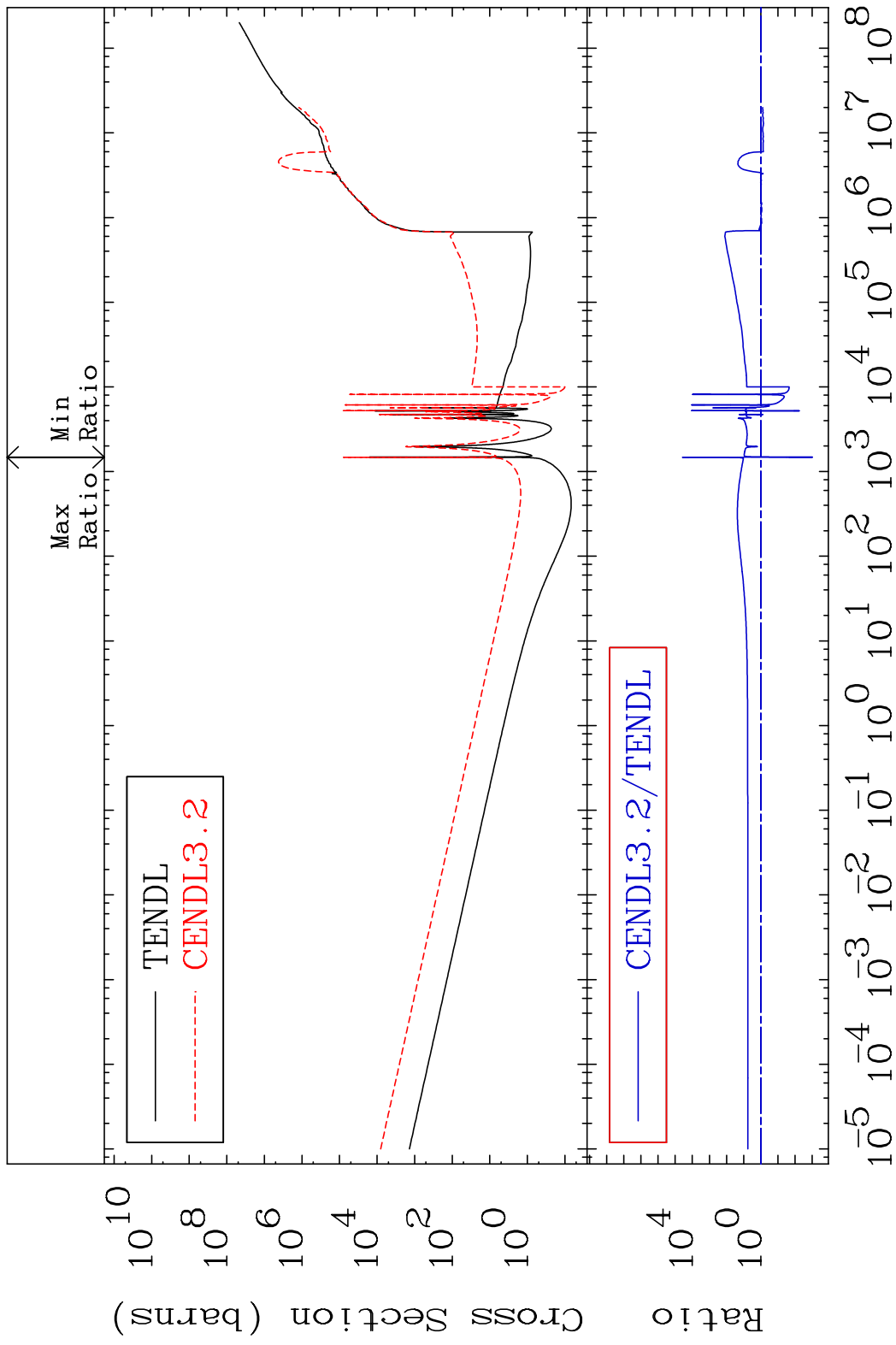
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

40

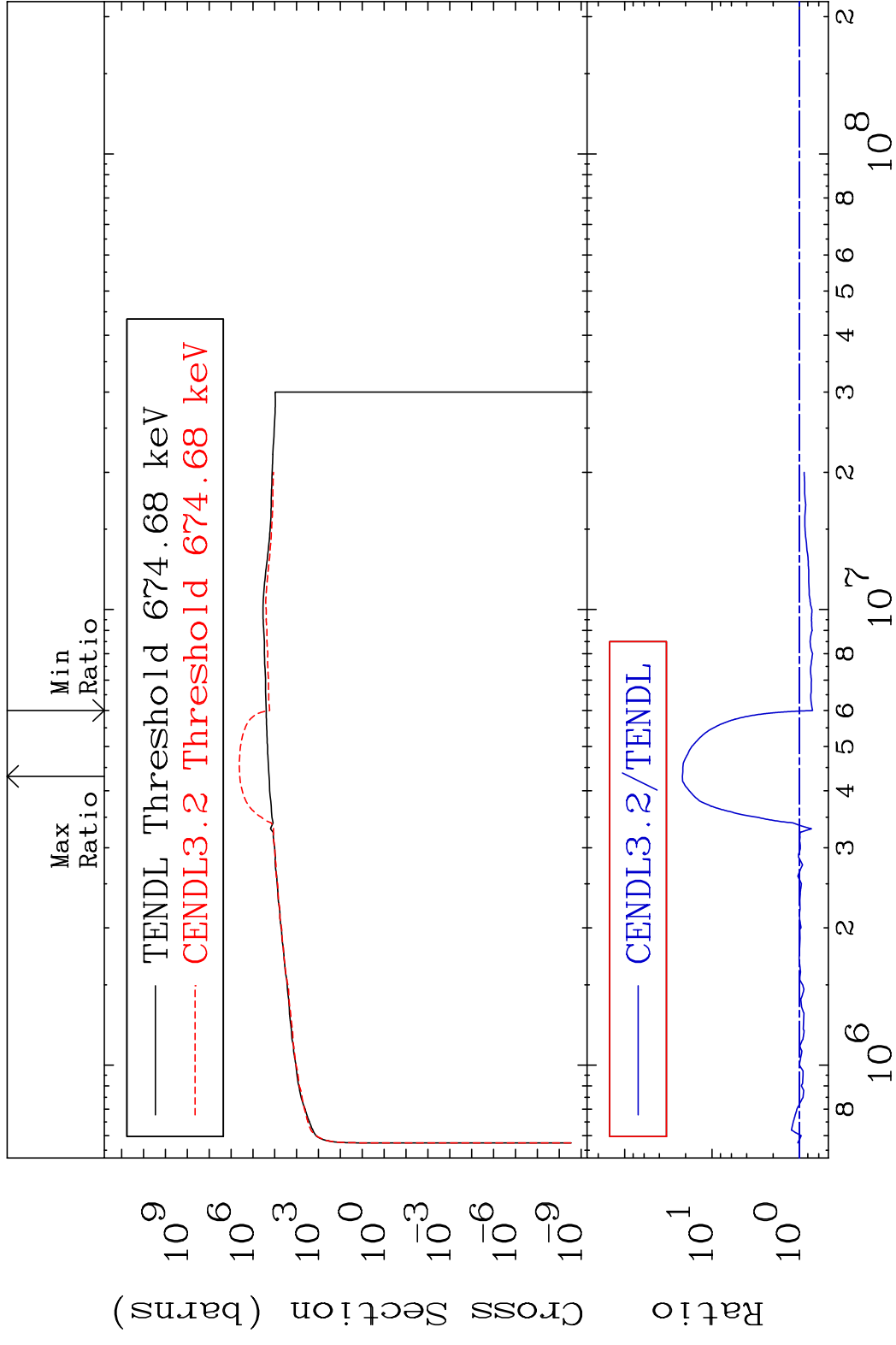
Incident Energy (eV)

34-Se-80

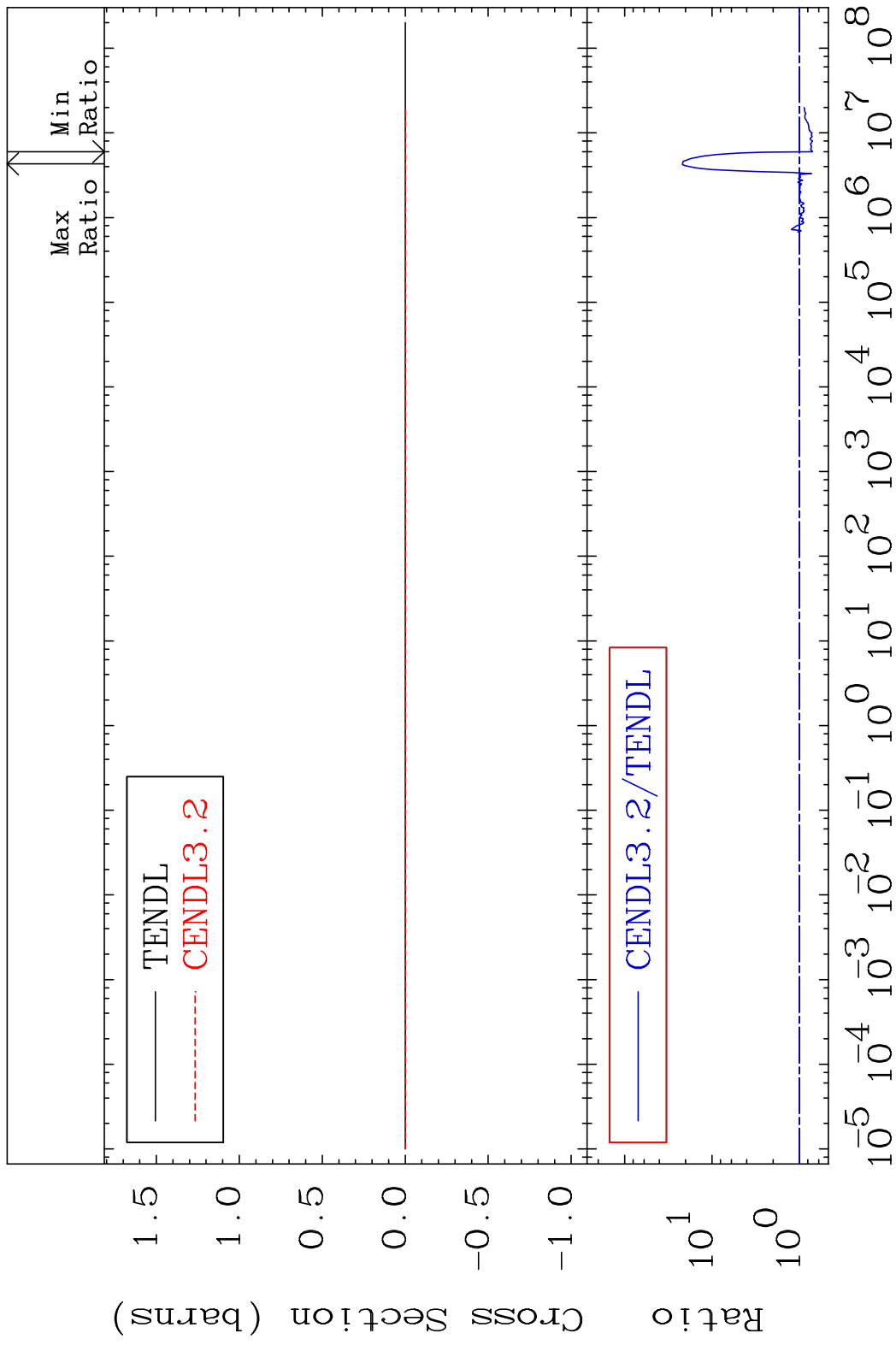
MAT 3443 Kerma non-elastic (all but mt2) 34-Se-80
 Cross Section -99.90 To 9999. %



MAT 3443 Kerma inelastic (mt51-91) 34-Se-80
 Cross Section -29.38 To 2084. %

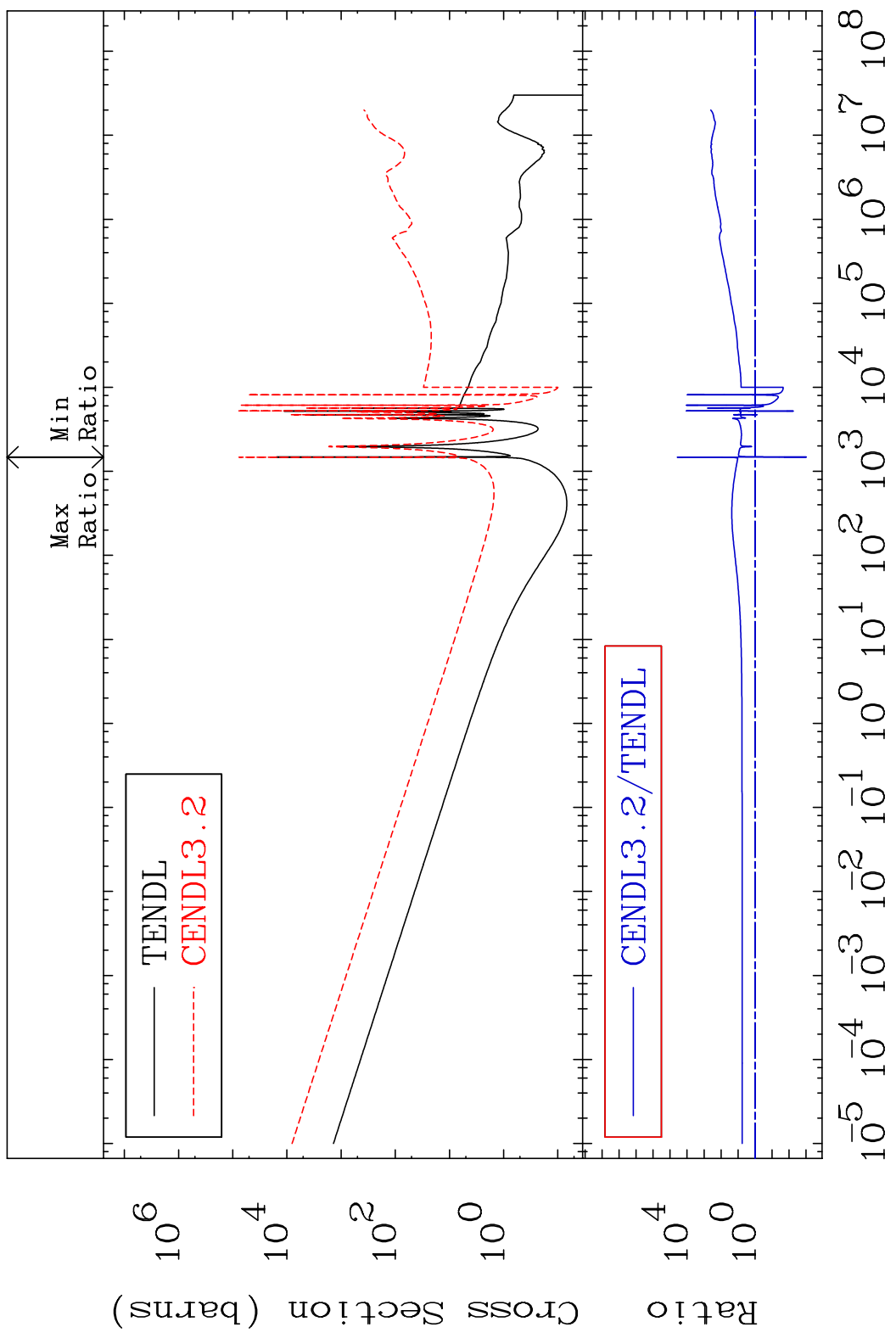


MAT 3443 Kerma fission (mt18 or mt19-20-21-38) 34-Se-80
 Cross Section -29.38 To 2084. %

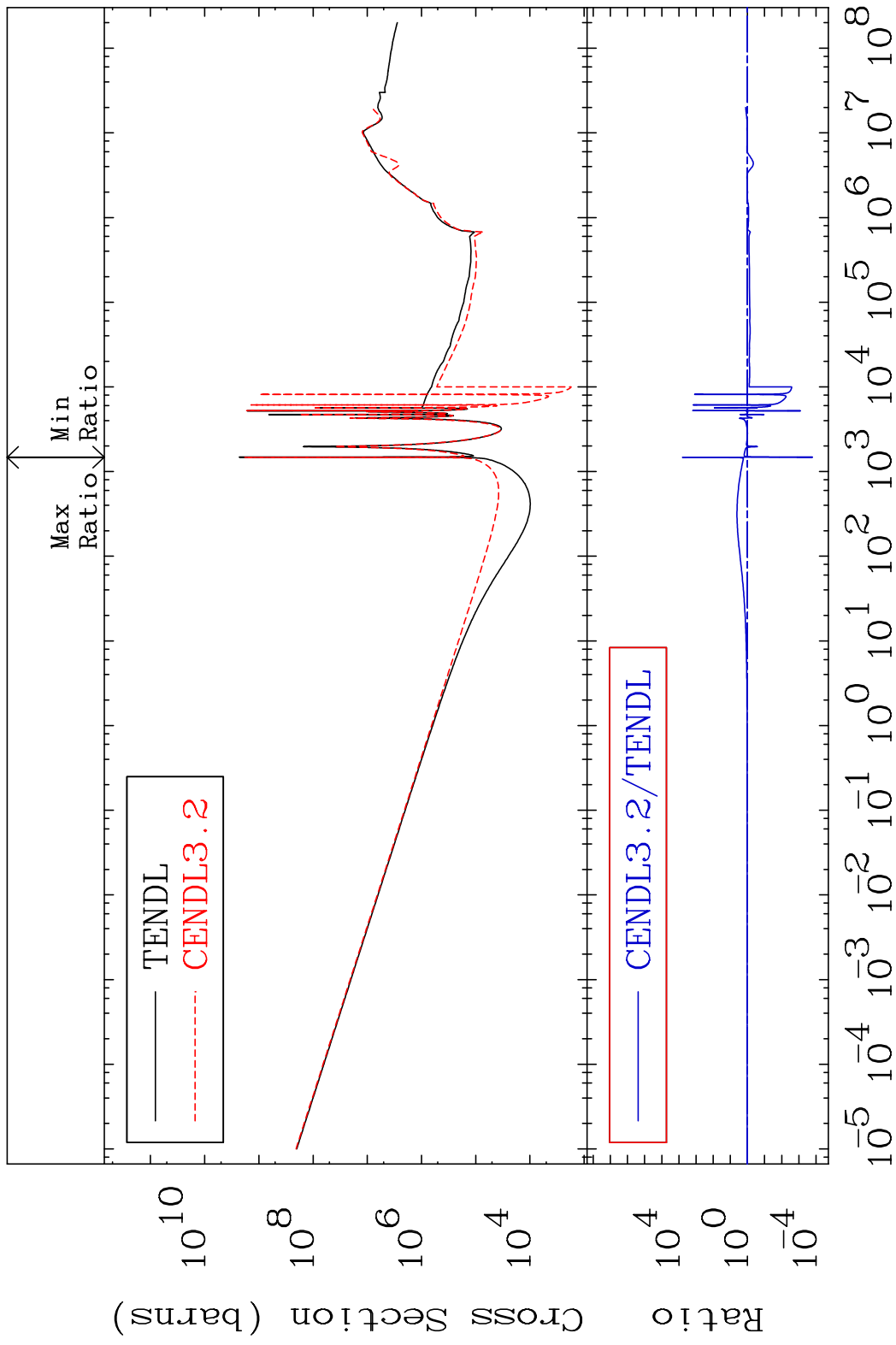


MAT 3443

Kerma capture (mt102) 34-Se-80
Cross Section -99.90 To 9999. %

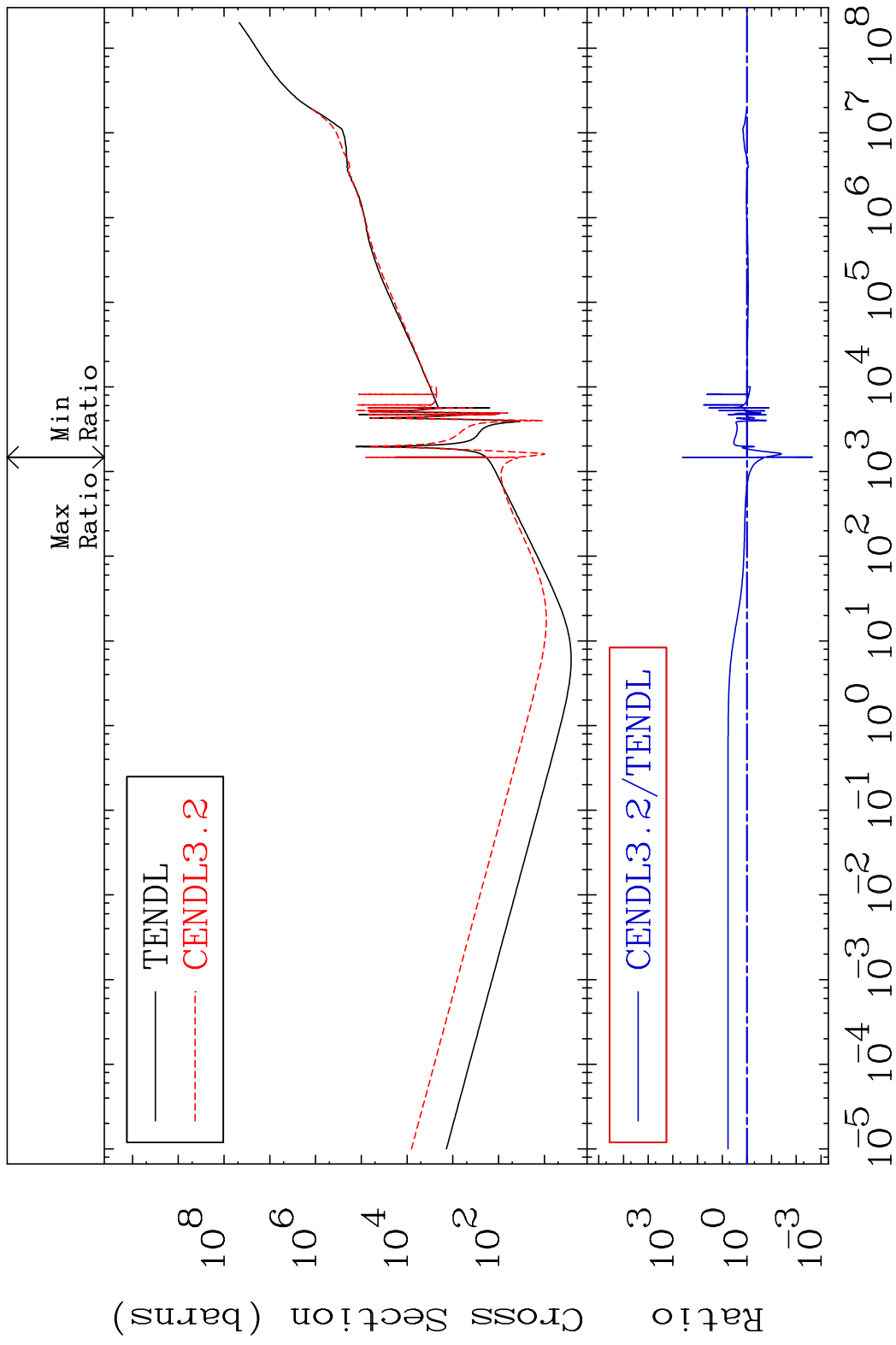


MAT 3443 Total photon (eV-barns) 34-Se-80
Cross Section -99.98 To 9999. %



45 Incident Energy (eV) 34-Se-80

MAT 3443 Total kinematic kerma (high limit) 34-Se-80
 Cross Section -99.78 To 9999. %

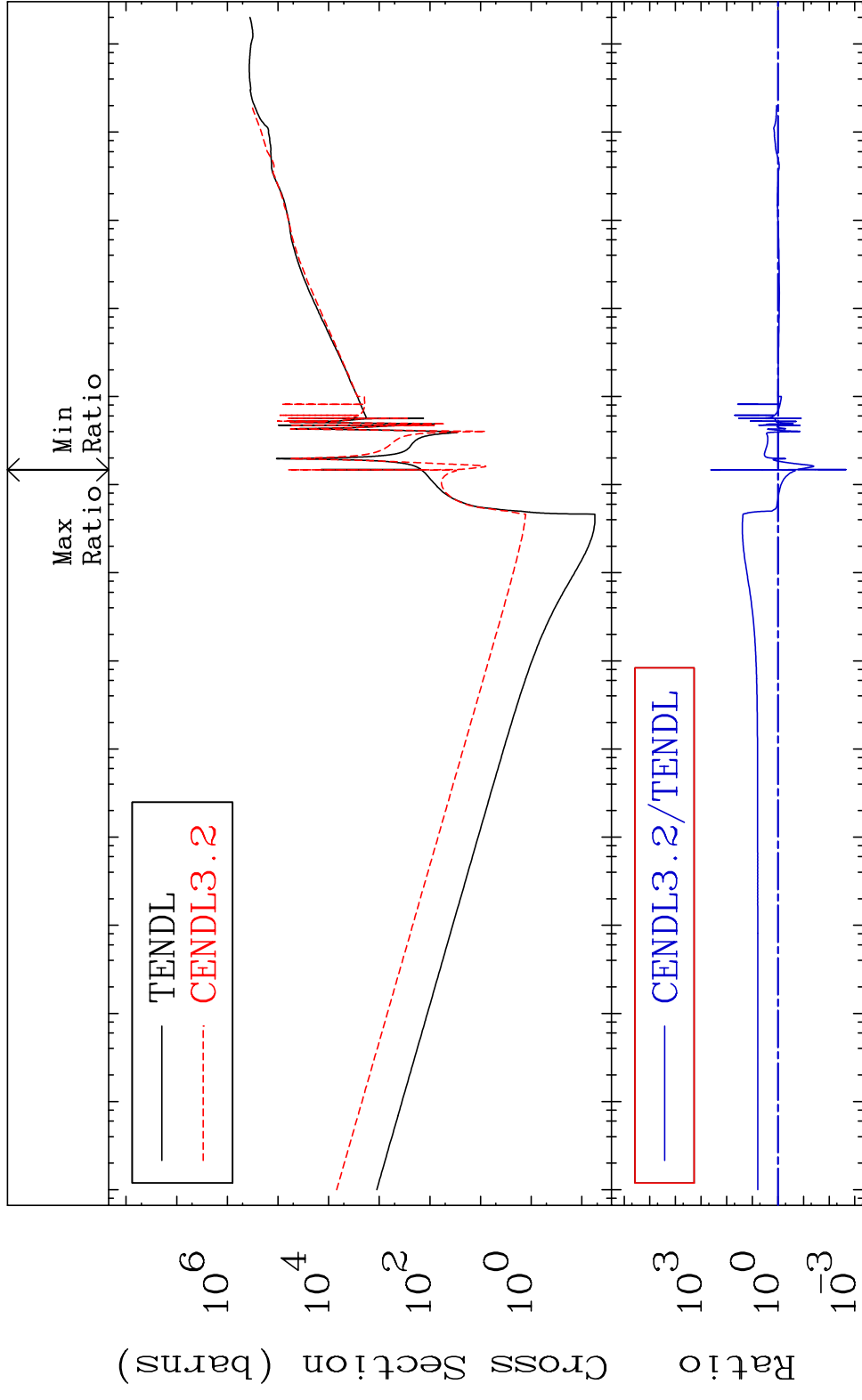


MAT 3443

Dpa total (eV-barns)

34-Se-80

Cross Section -99.79 To 9999. %



47

Incident Energy (eV)

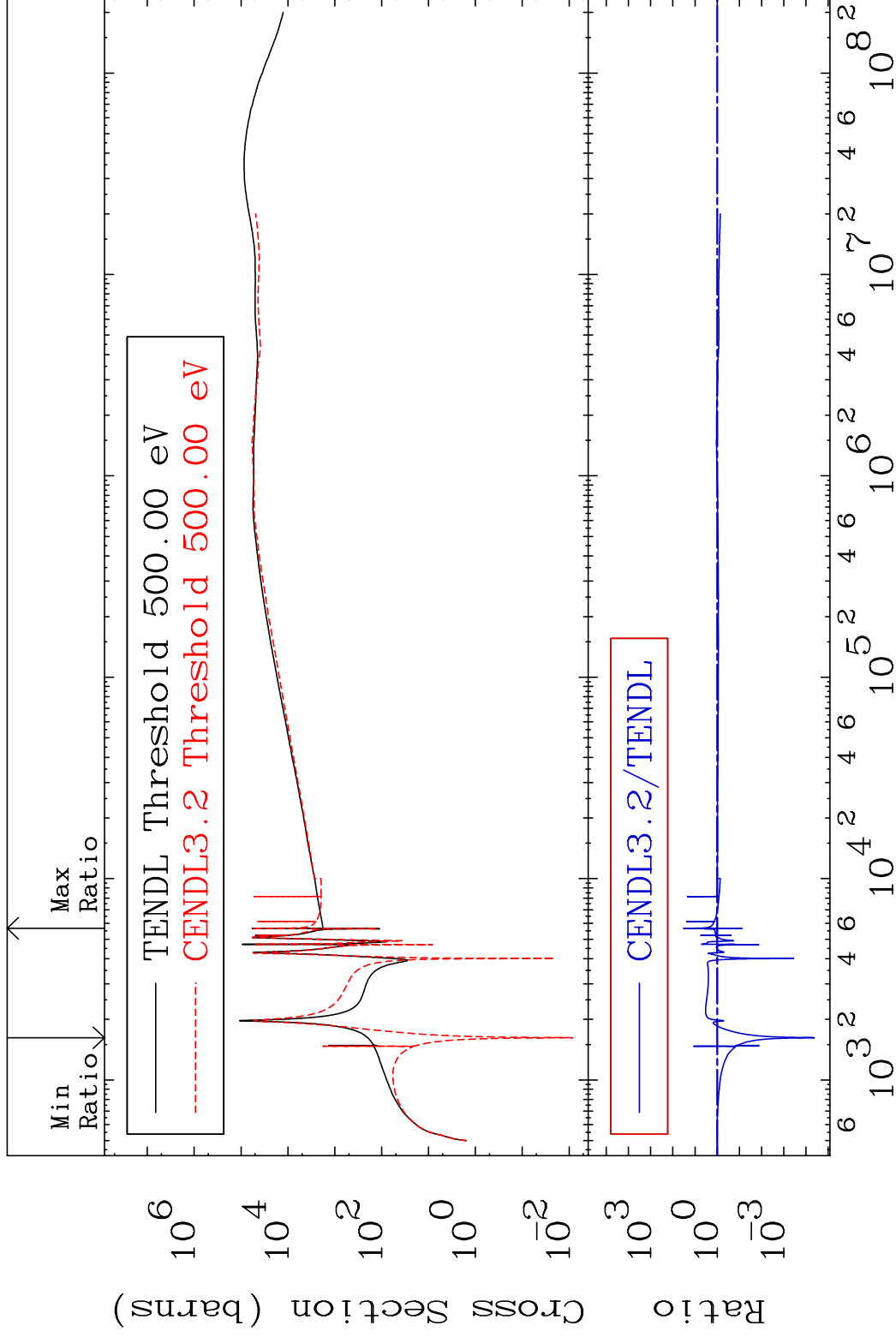
34-Se-80

MAT 3443

Dpa elastic (mt2)

34-Se-80

Cross Section -100.0 To 3147. %

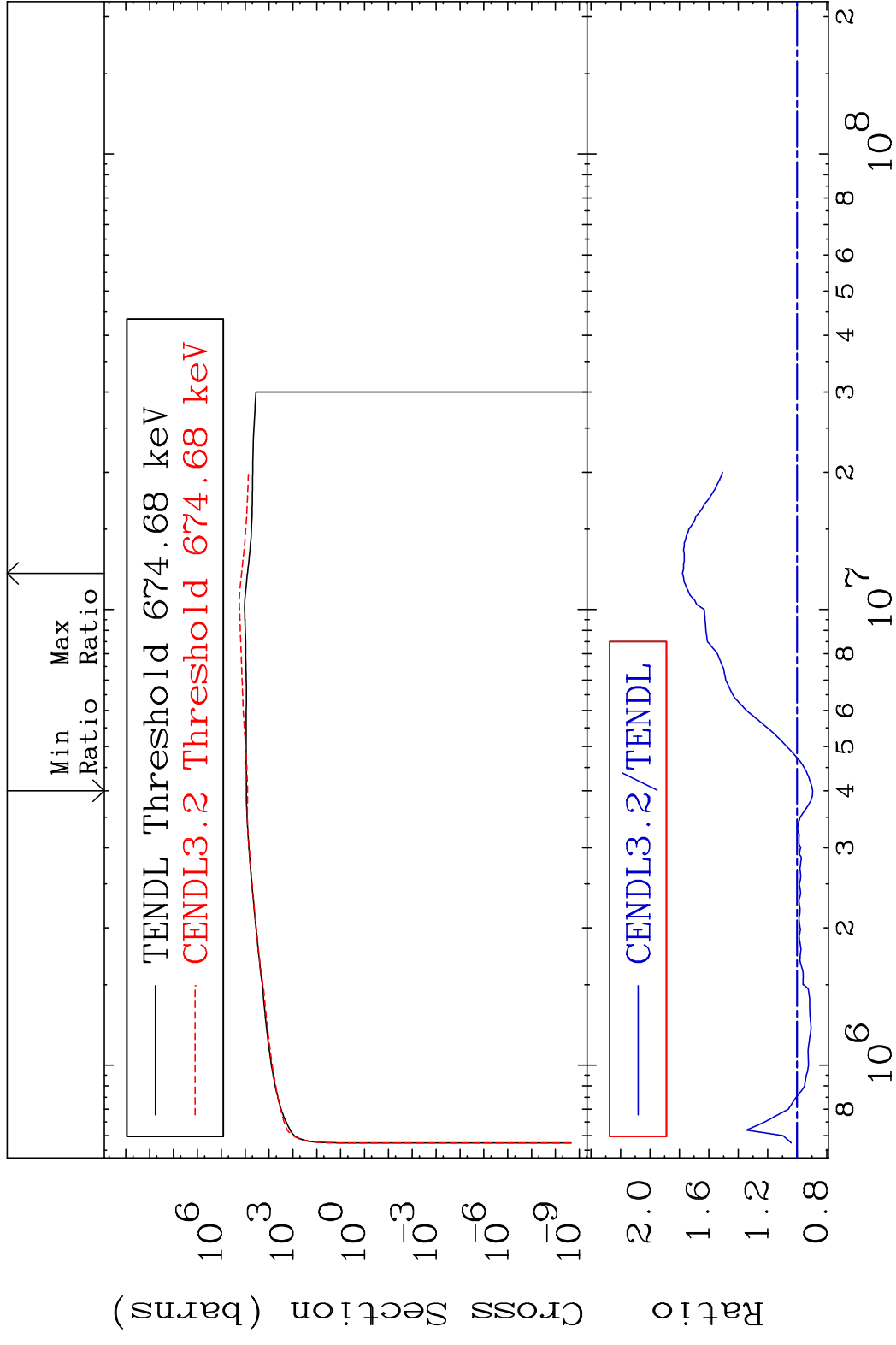


48

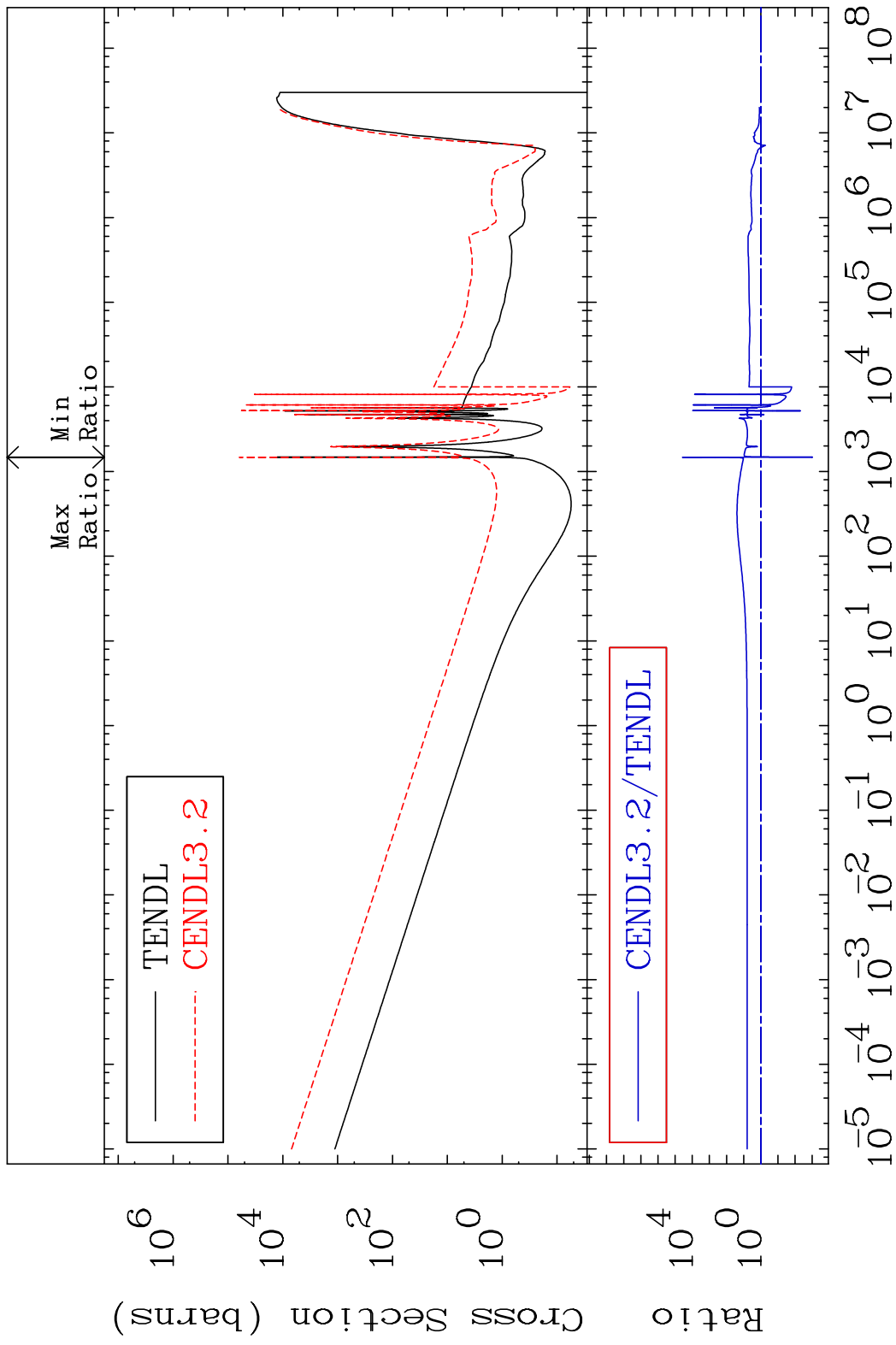
Incident Energy (eV)

34-Se-80

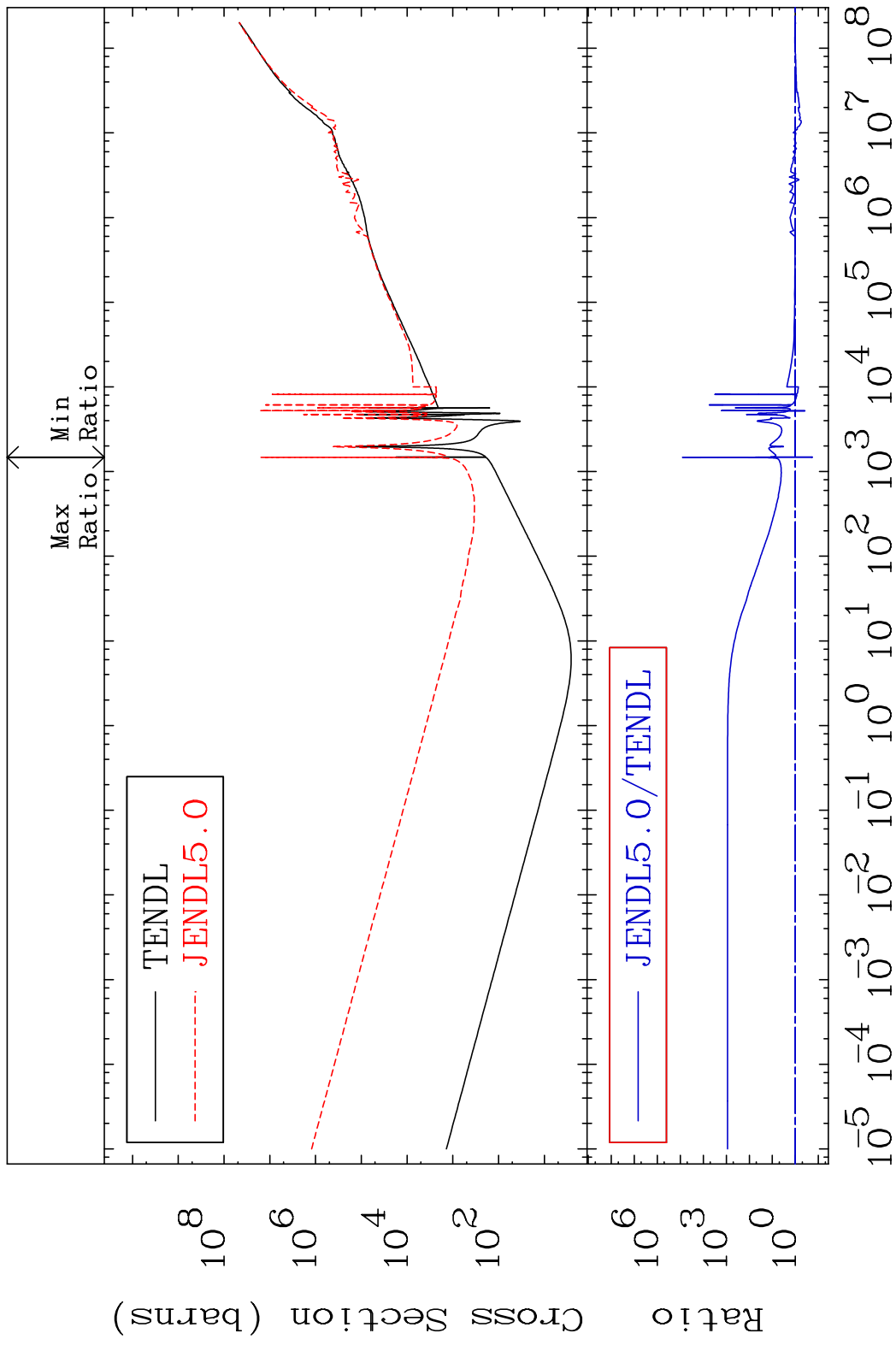
MAT 3443 Dpa inelastic (mt51-91) 34-Se-80
 Cross Section -10.43 To 77.99 %



MAT 3443 Dpa disappearance (mt102 -120) 34-Se-80
 Cross Section -99.90 To 9999. %

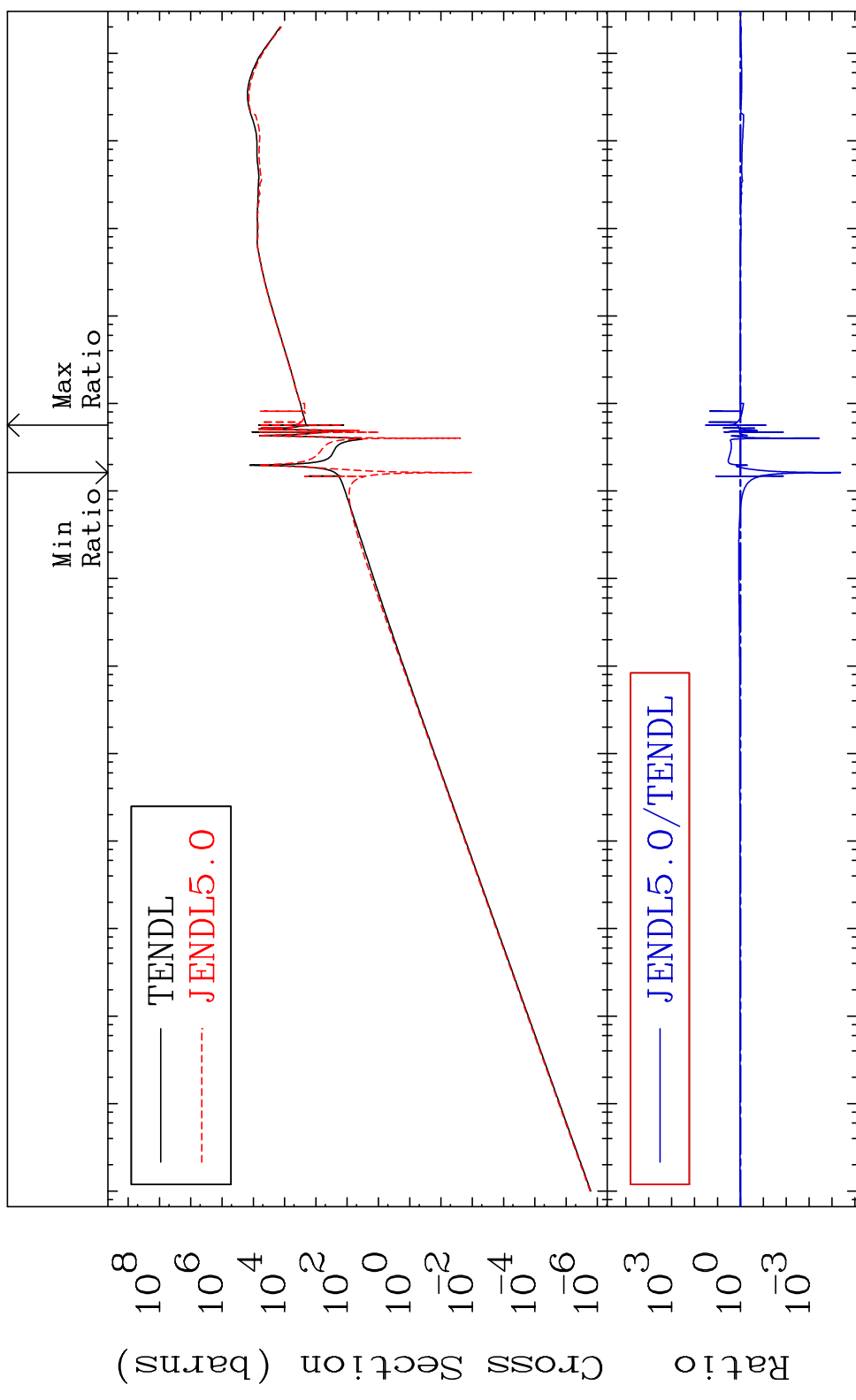


MAT 3443 Kerma total (eV-barns) 34-Se-80
 Cross Section -82.15 To 9999. %

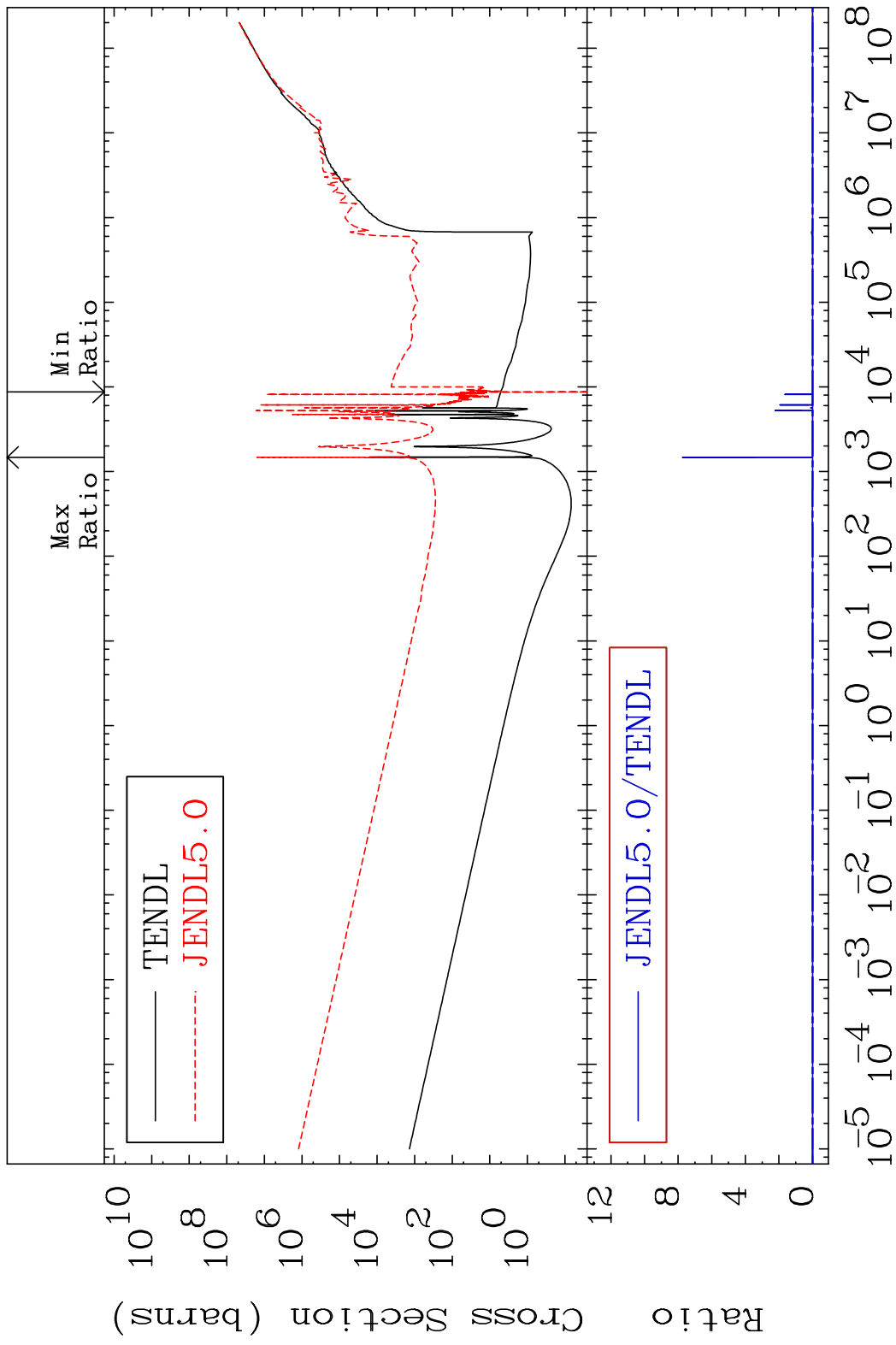


MAT 3443

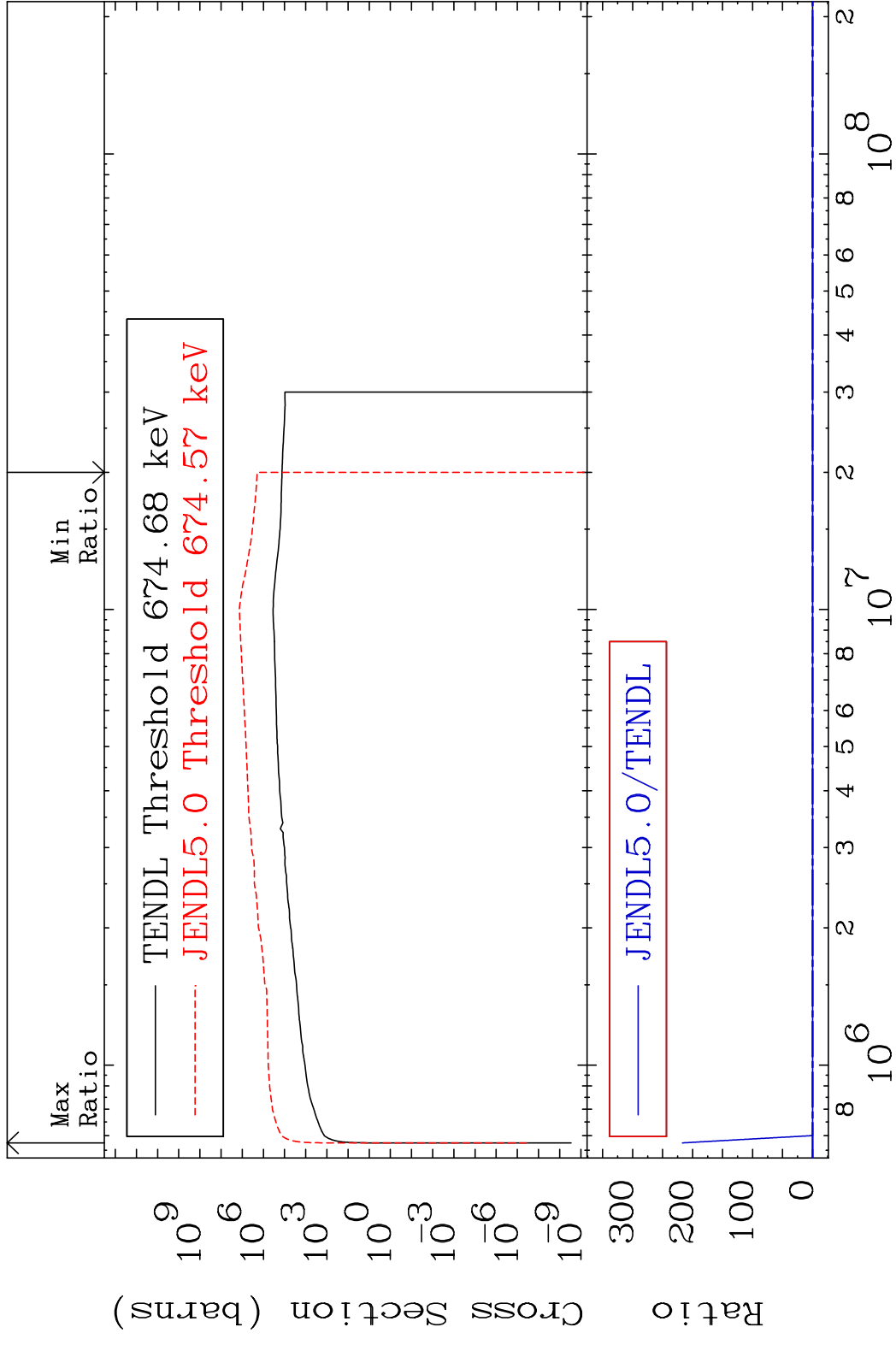
Kerma elastic Cross Section -100.0 To 3145. %
34-Se-80



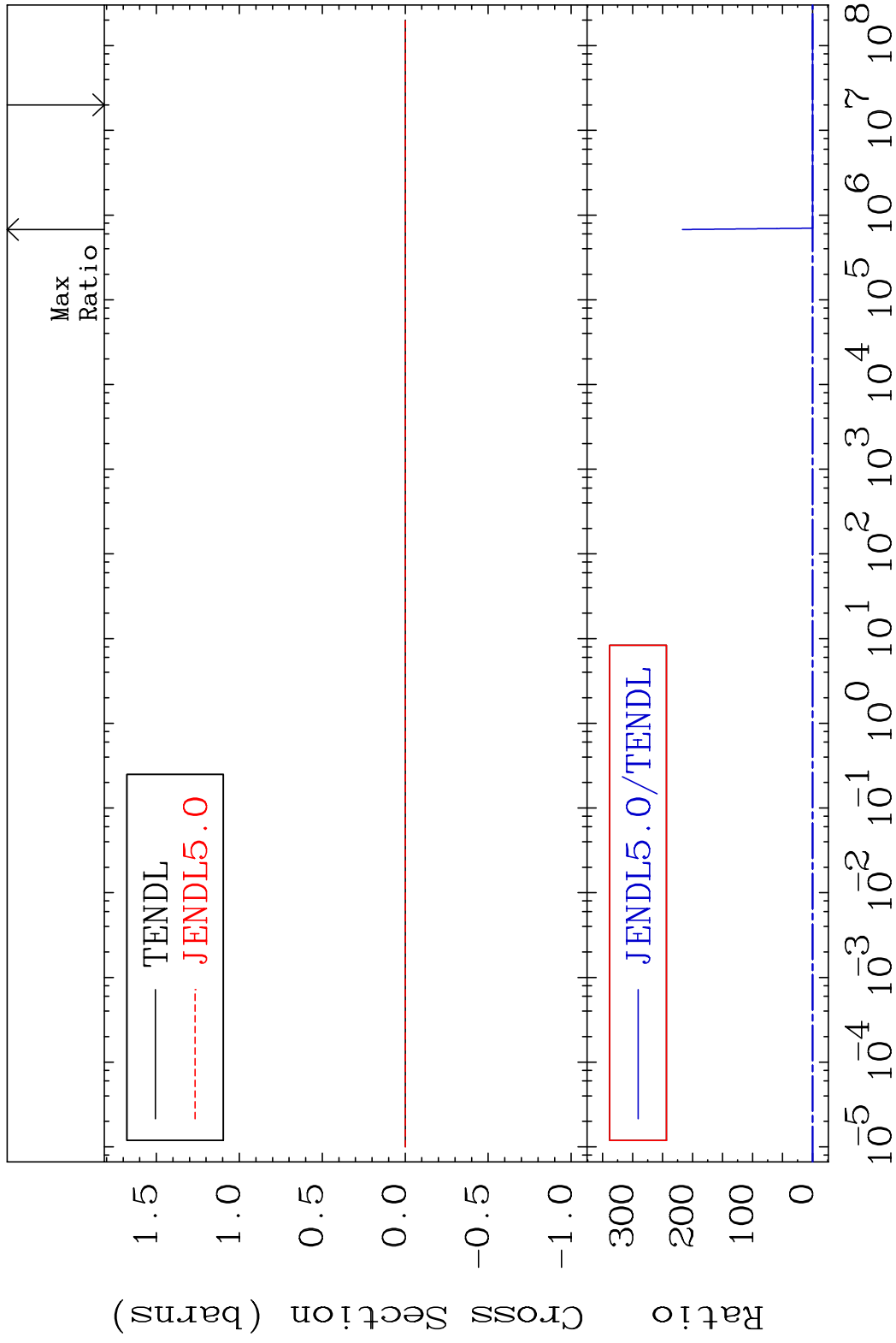
MAT 3443 Kerma non-elastic (all but mt2) 34-Se-80
 Cross Section -112.0 To 9999. %



MAT 3443 Kerma inelastic (mt51-91) 34-Se-80
 Cross Section -100.0 To 9999. %

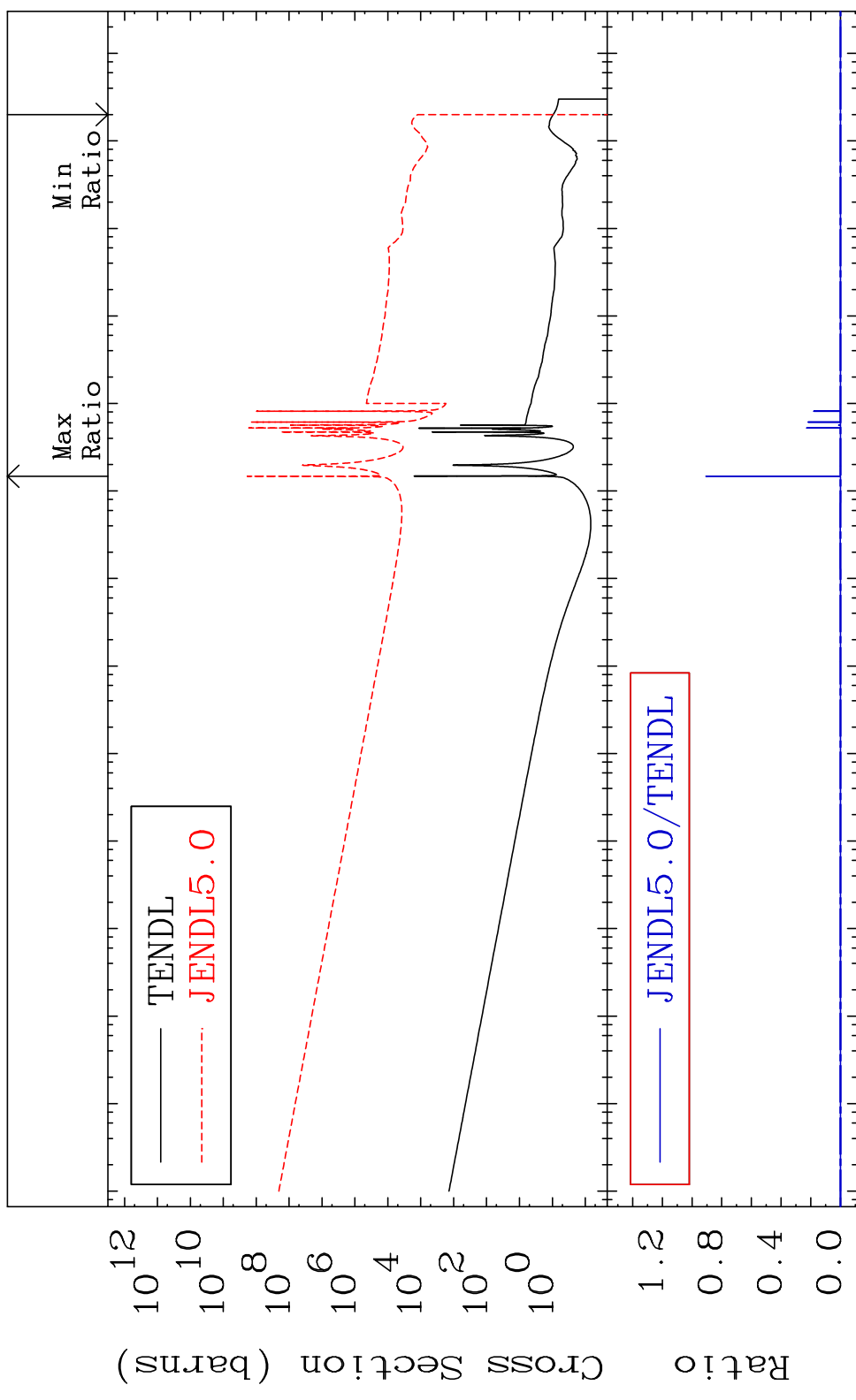


MAT 3443 Kerma fission (mt18 or mt19-20-21-38) 34-Se-80
 Cross Section -100.0 To 9999. %



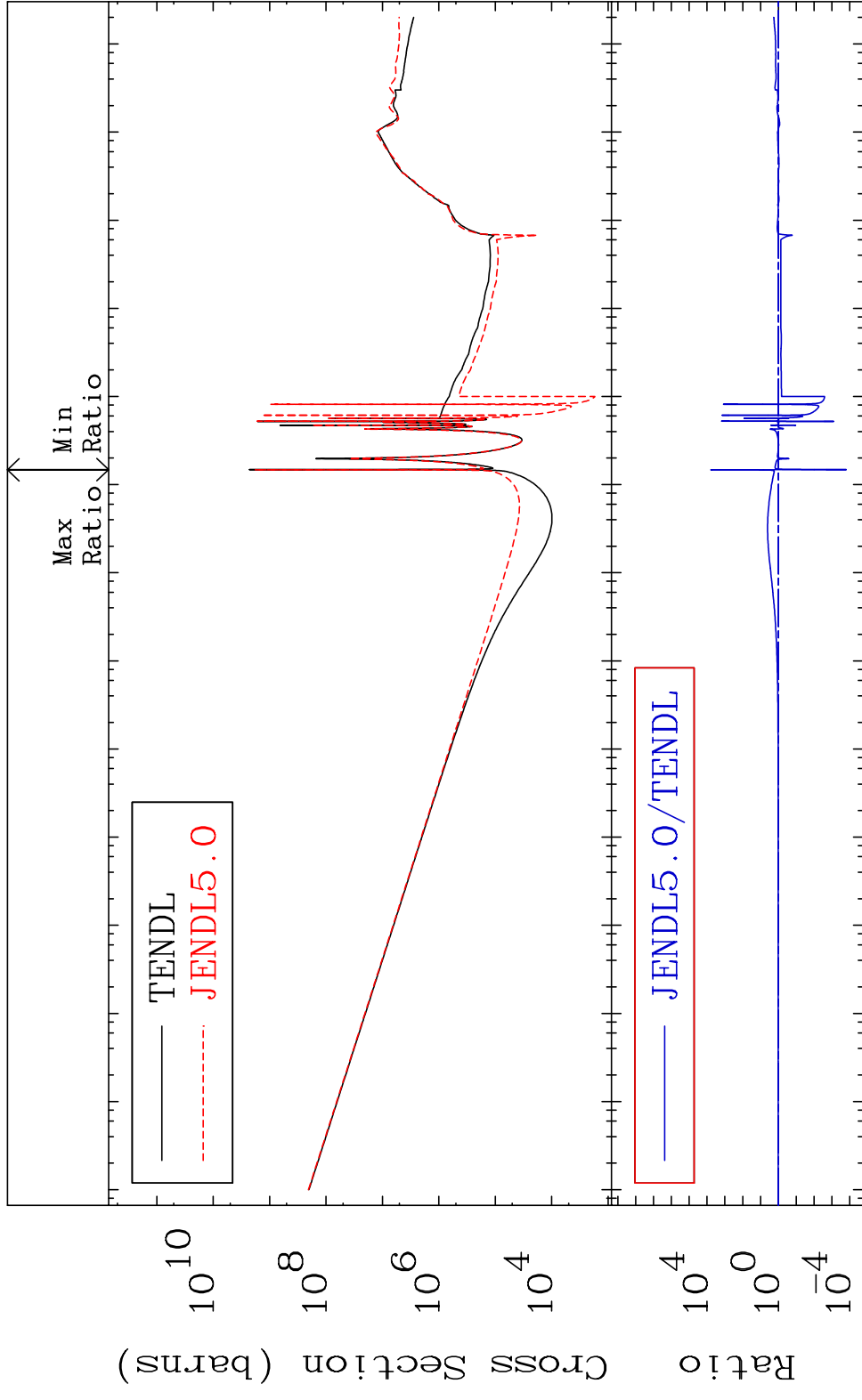
MAT 3443

Kerma capture (mt102) 34-Se-80
Cross Section -100.0 To 9999. %



MAT 3443

Total photon (eV-barns) 34-Se-80
Cross Section -99.98 To 9999. %

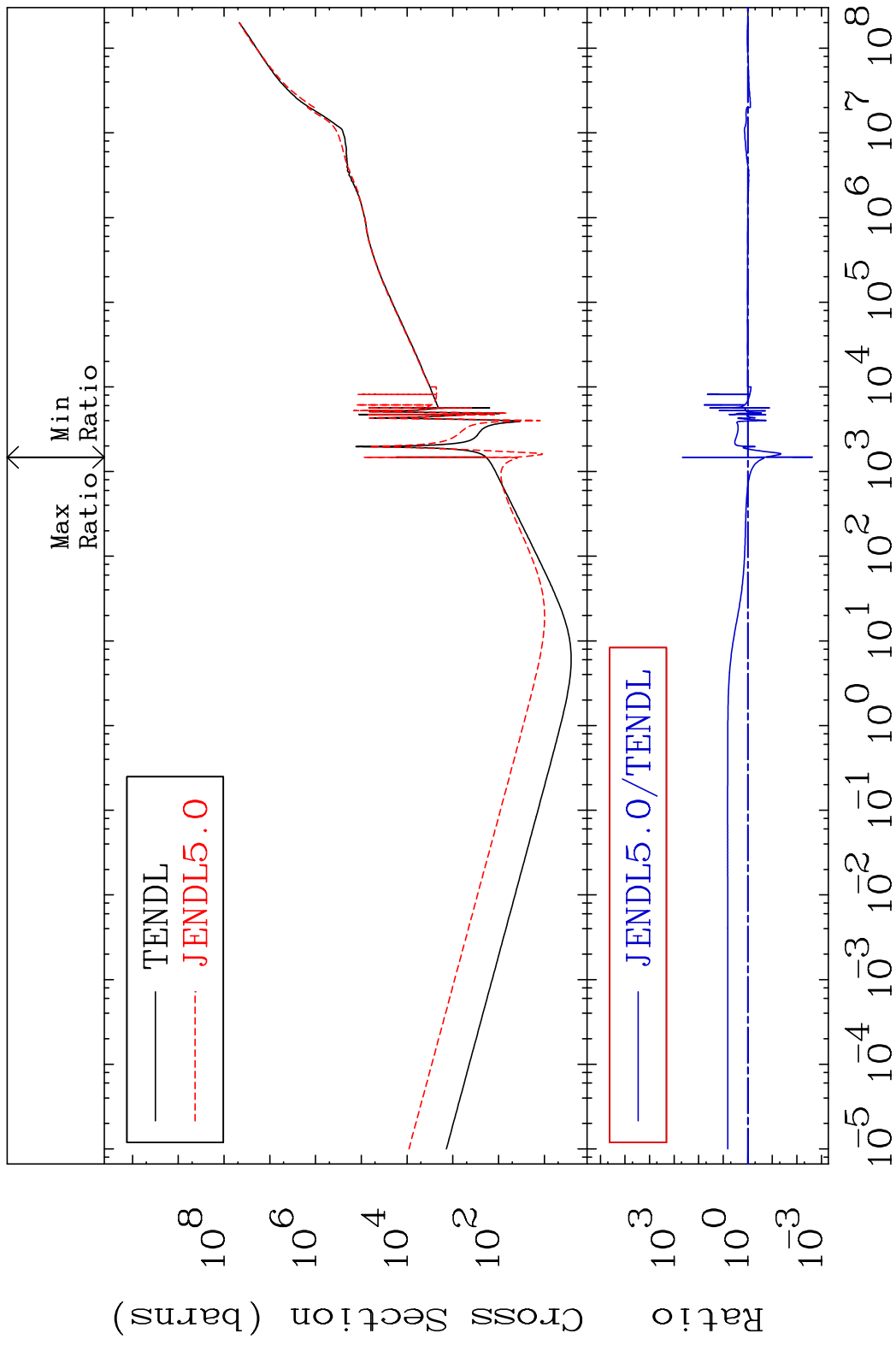


57

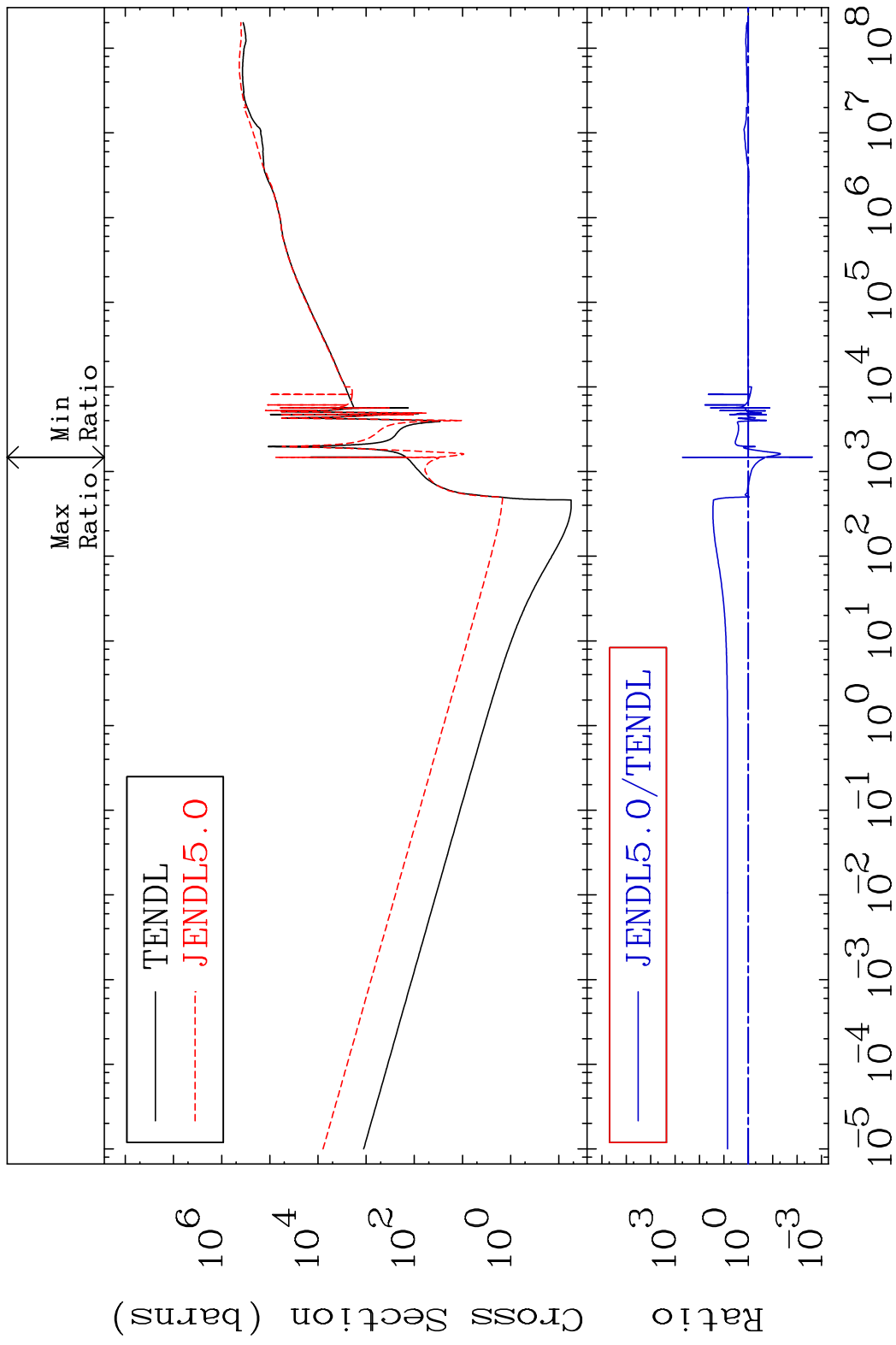
Incident Energy (eV)

34-Se-80

MAT 3443 Total kinematic kerma (high limit) 34-Se-80
 Cross Section -99.77 To 9999. %



MAT 3443 Dpa total (eV-barns) 34-Se-80
 Cross Section -99.777 To 9999. %



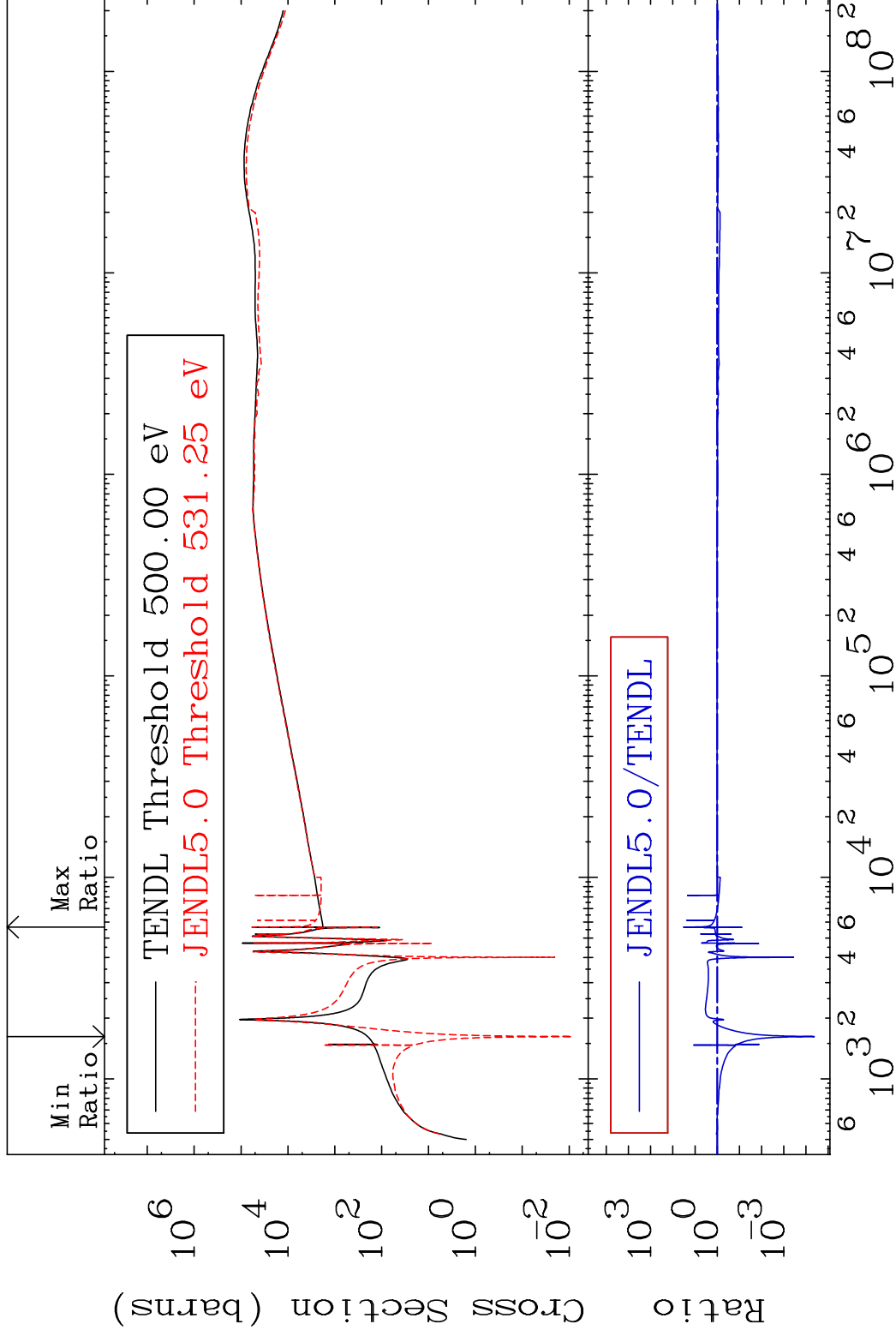
59 Incident Energy (eV) 34-Se-80

MAT 3443

Dpa elastic (mt2)

34-Se-80

Cross Section -100.0 To 3146. %

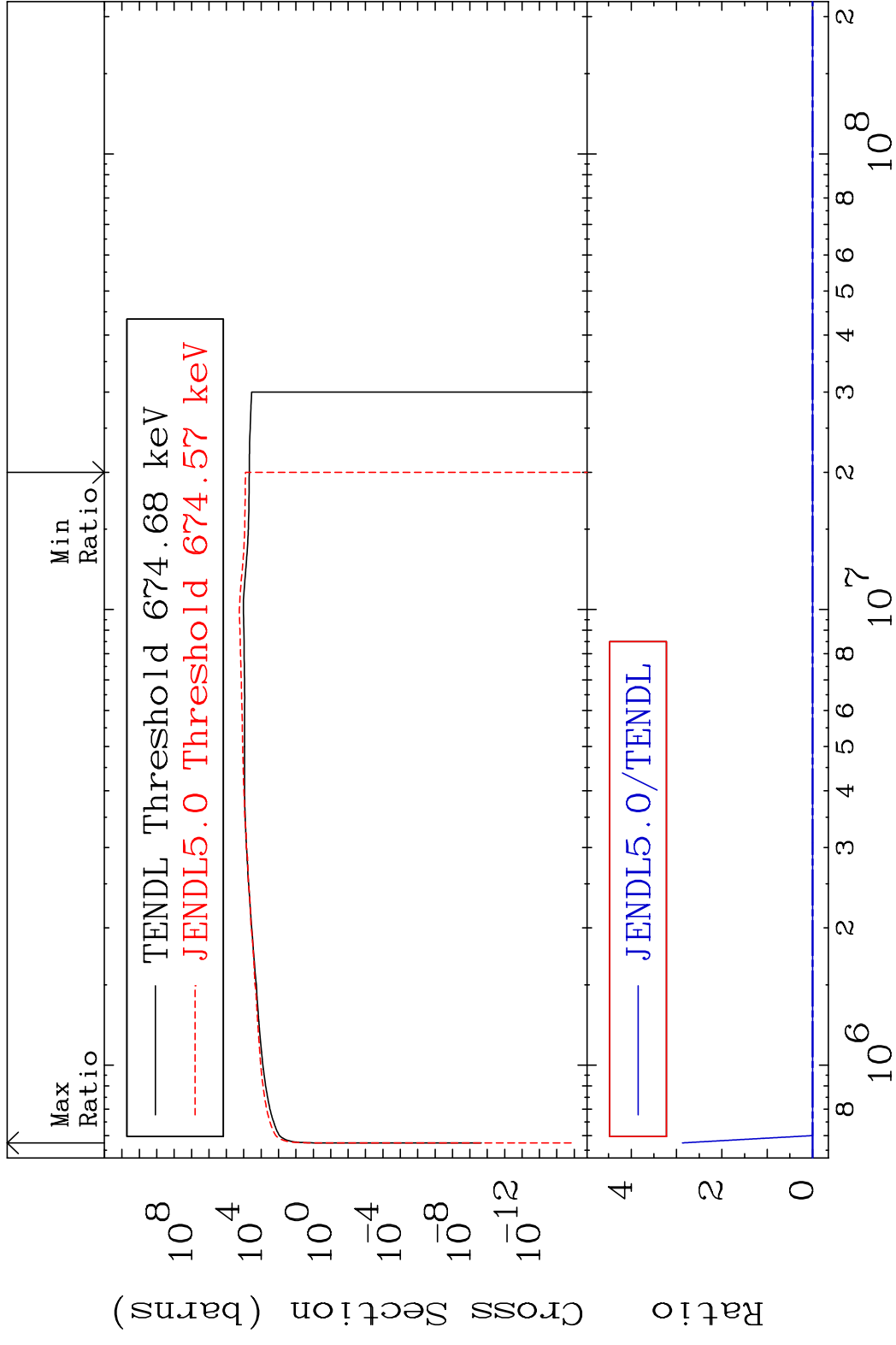


60

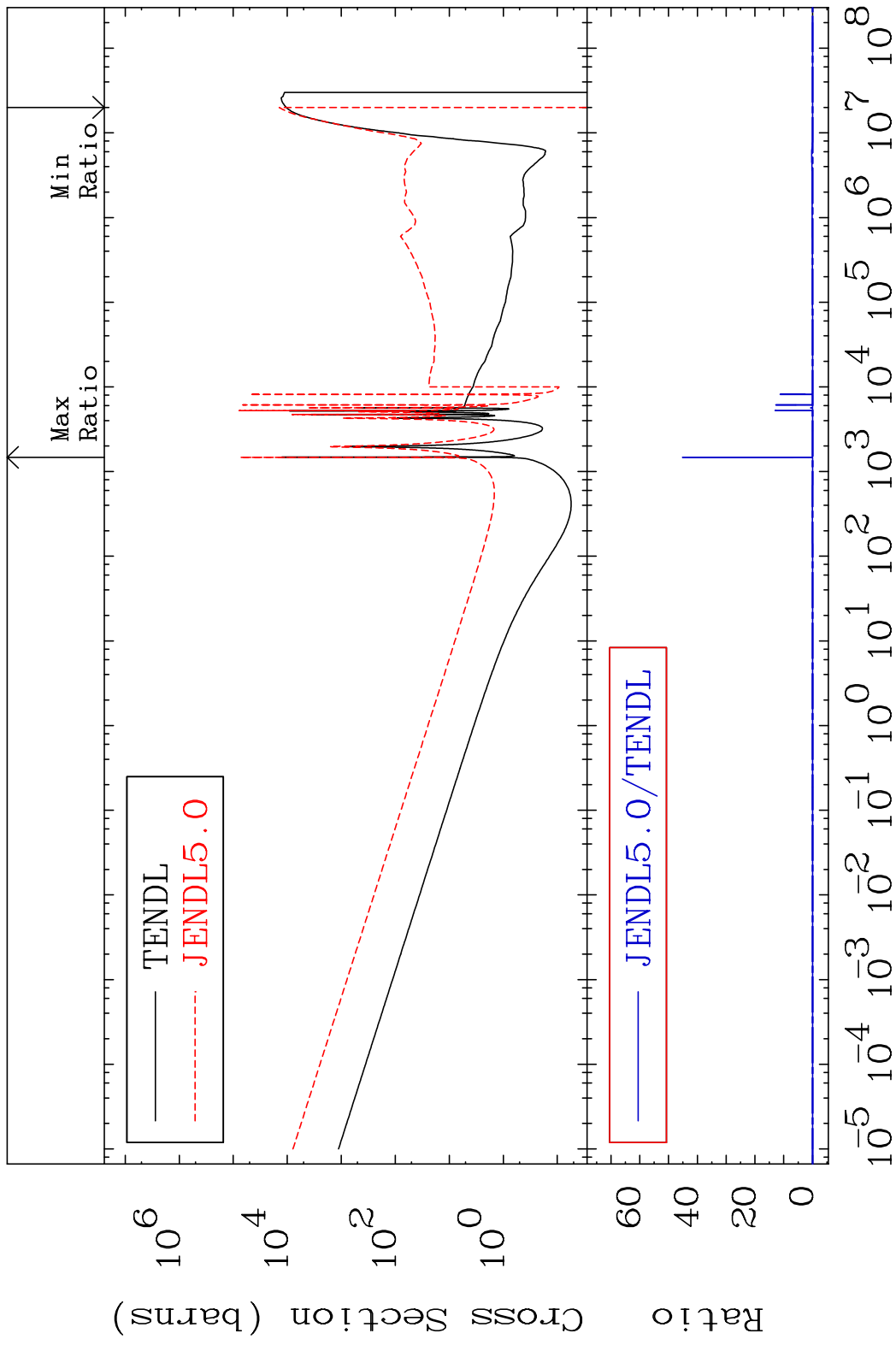
Incident Energy (eV)

34-Se-80

MAT 3443 Dpa inelastic (mt51-91) 34-Se-80
 Cross Section -100.0 To 9999. %



MAT 3443 Dpa disappearance (mt102 -120) 34-Se-80
 Cross Section -100.0 To 9999. %

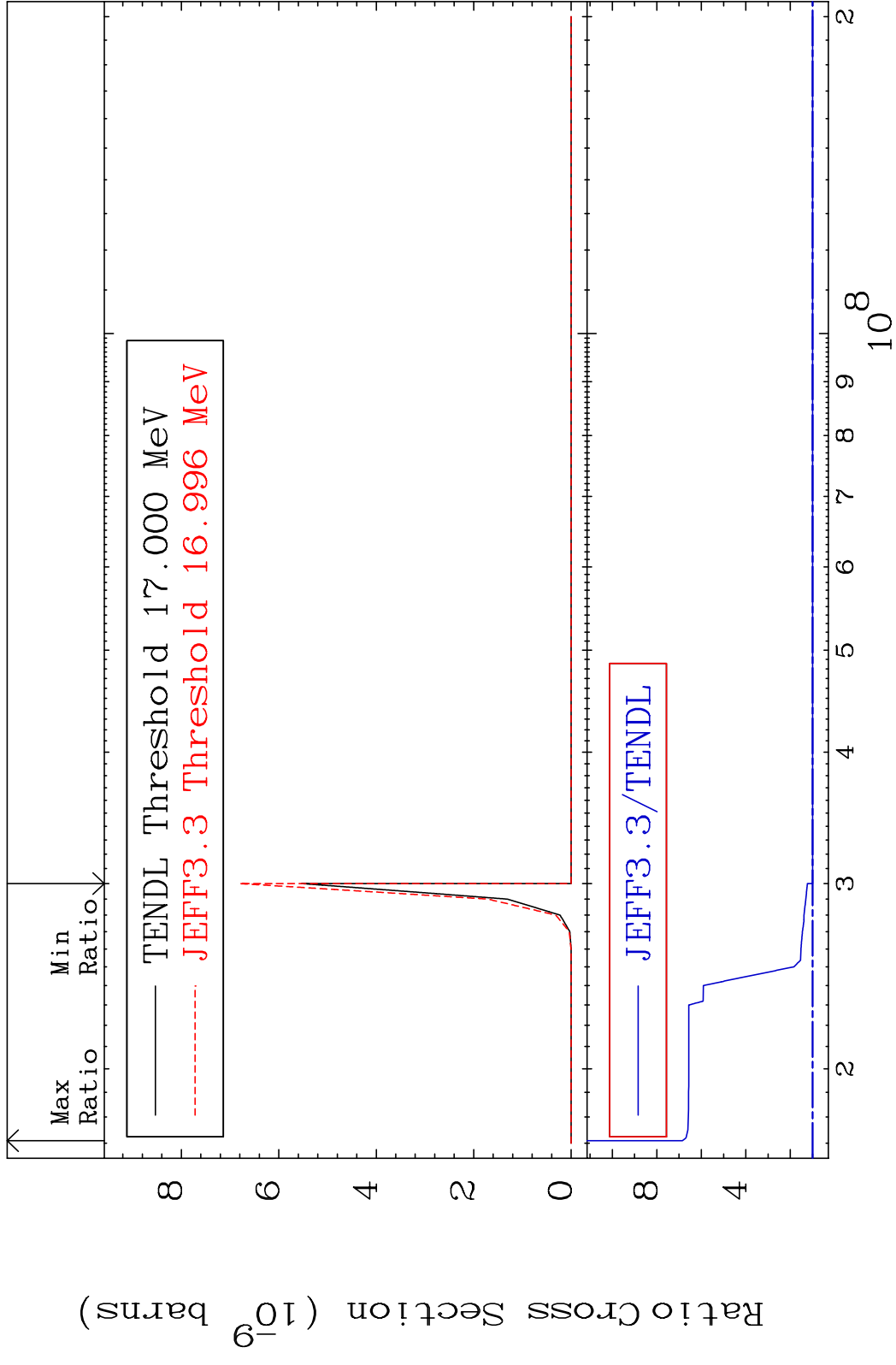


MAT 3443

(n,d) α

$^{34}\text{Se-80}$

Cross Section 0.000 To 585.2 %

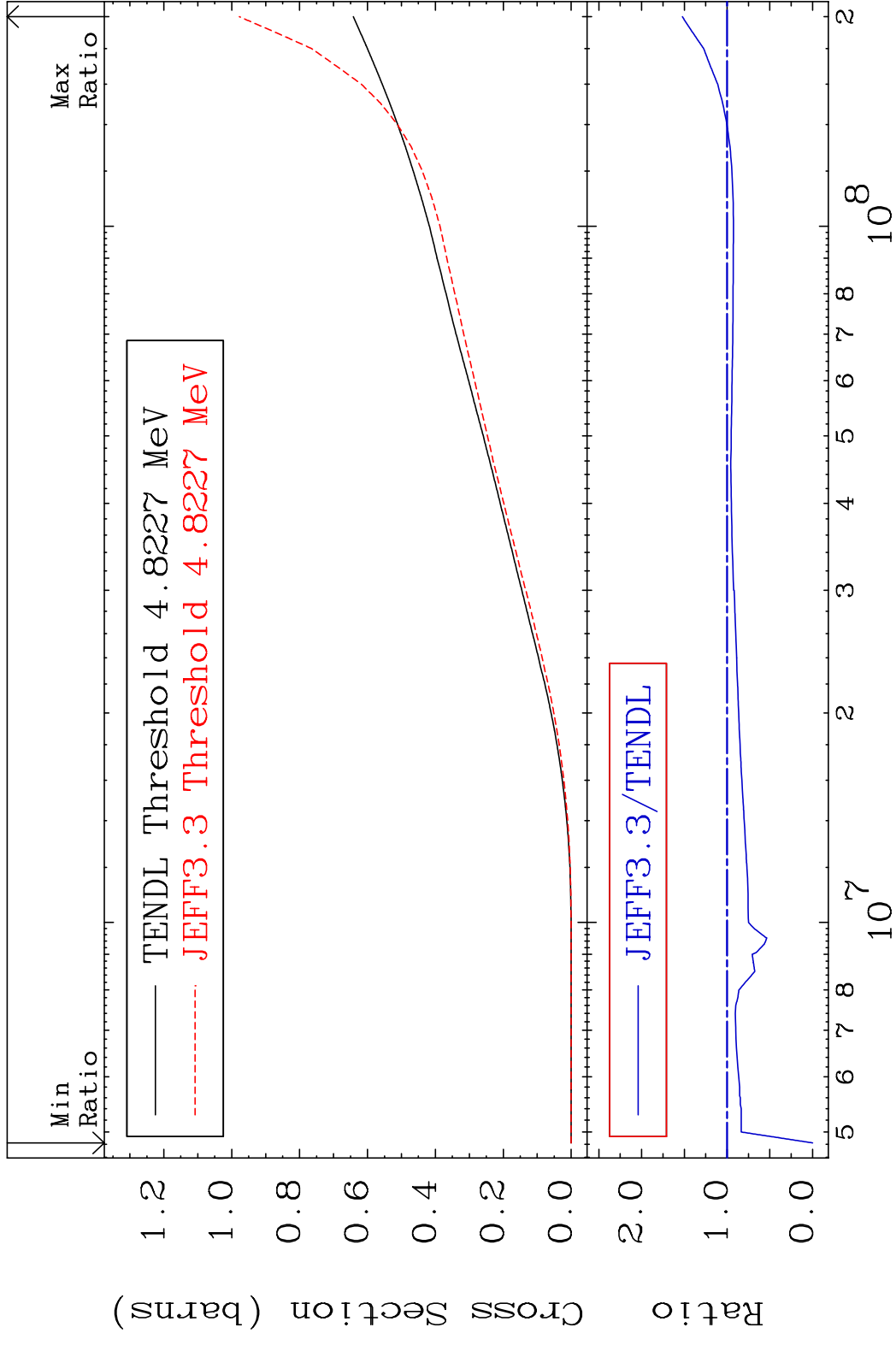


63

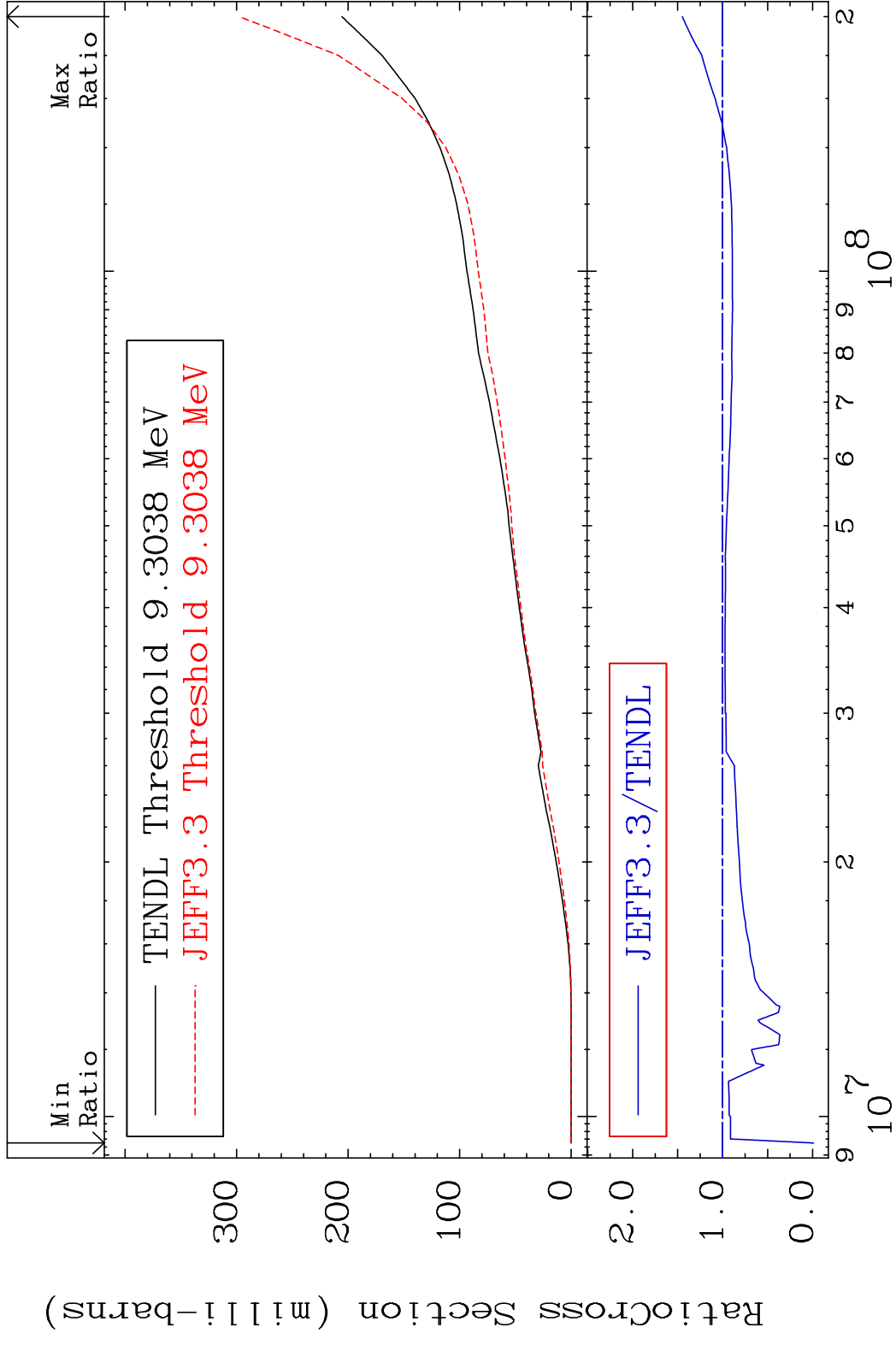
Incident Energy (eV)

$^{34}\text{Se-80}$

MAT 3443 Hydrogen Production 34-Se-80
 Cross Section -100.0 To 52.32 %



MAT 3443 Deuterium Production 34-Se-80
 Cross Section -100.0 To 44.76 %

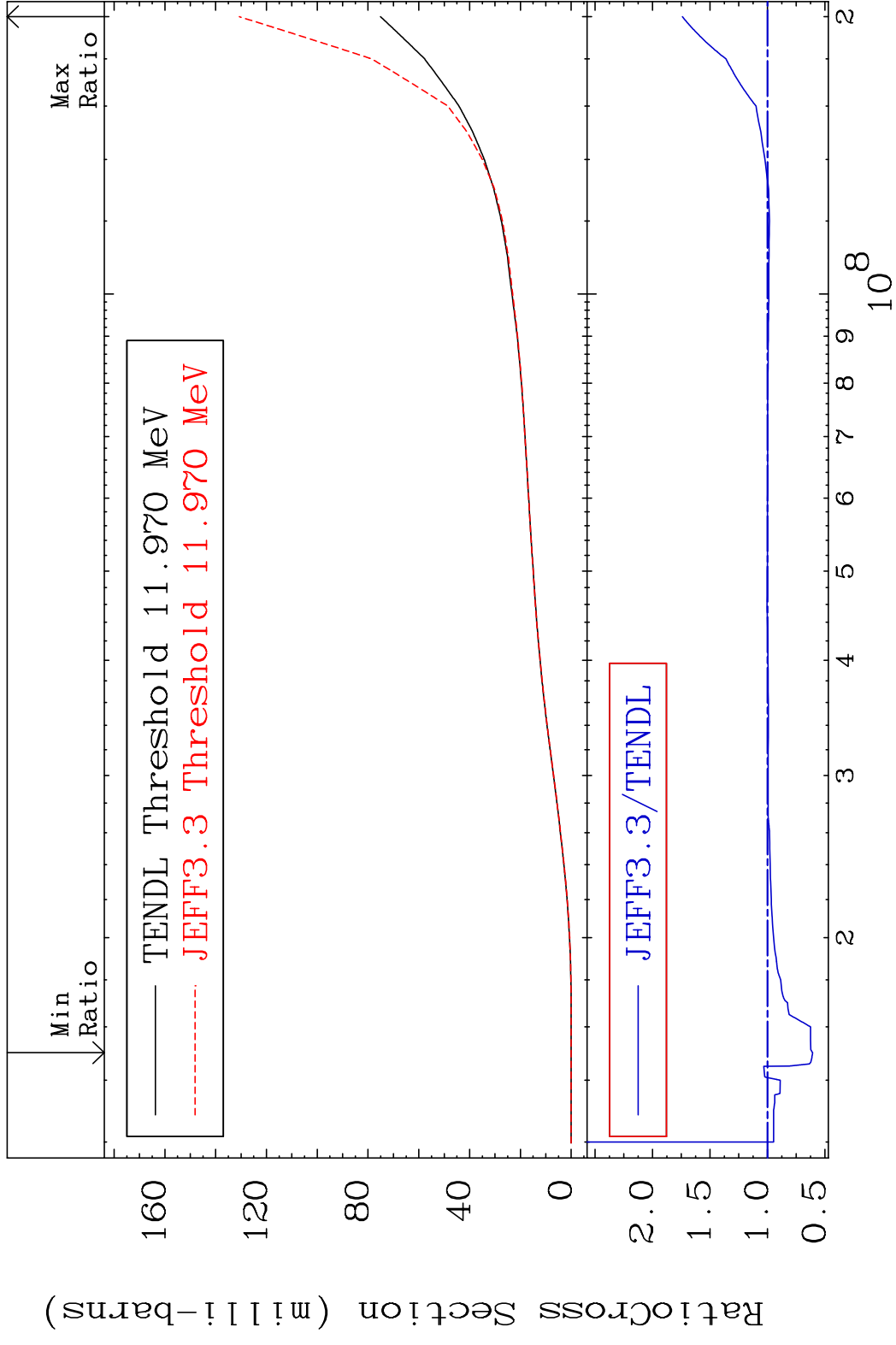


MAT 3443

Tritium Production

34-Se-80

Cross Section -39.17 To 74.09 %

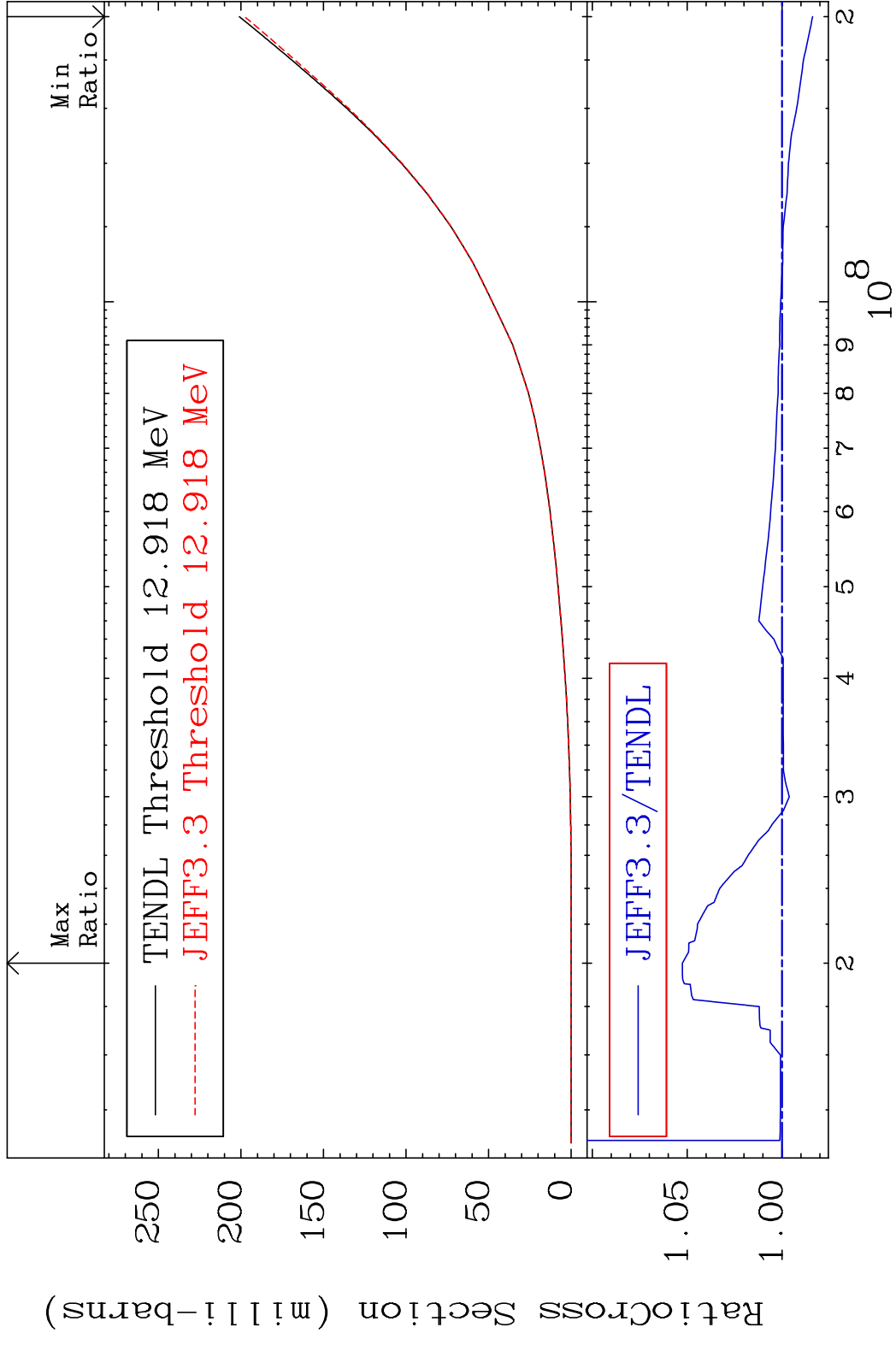


MAT 3443

He-3 Production

34-Se-80

Cross Section -1.614 To 5.254 %

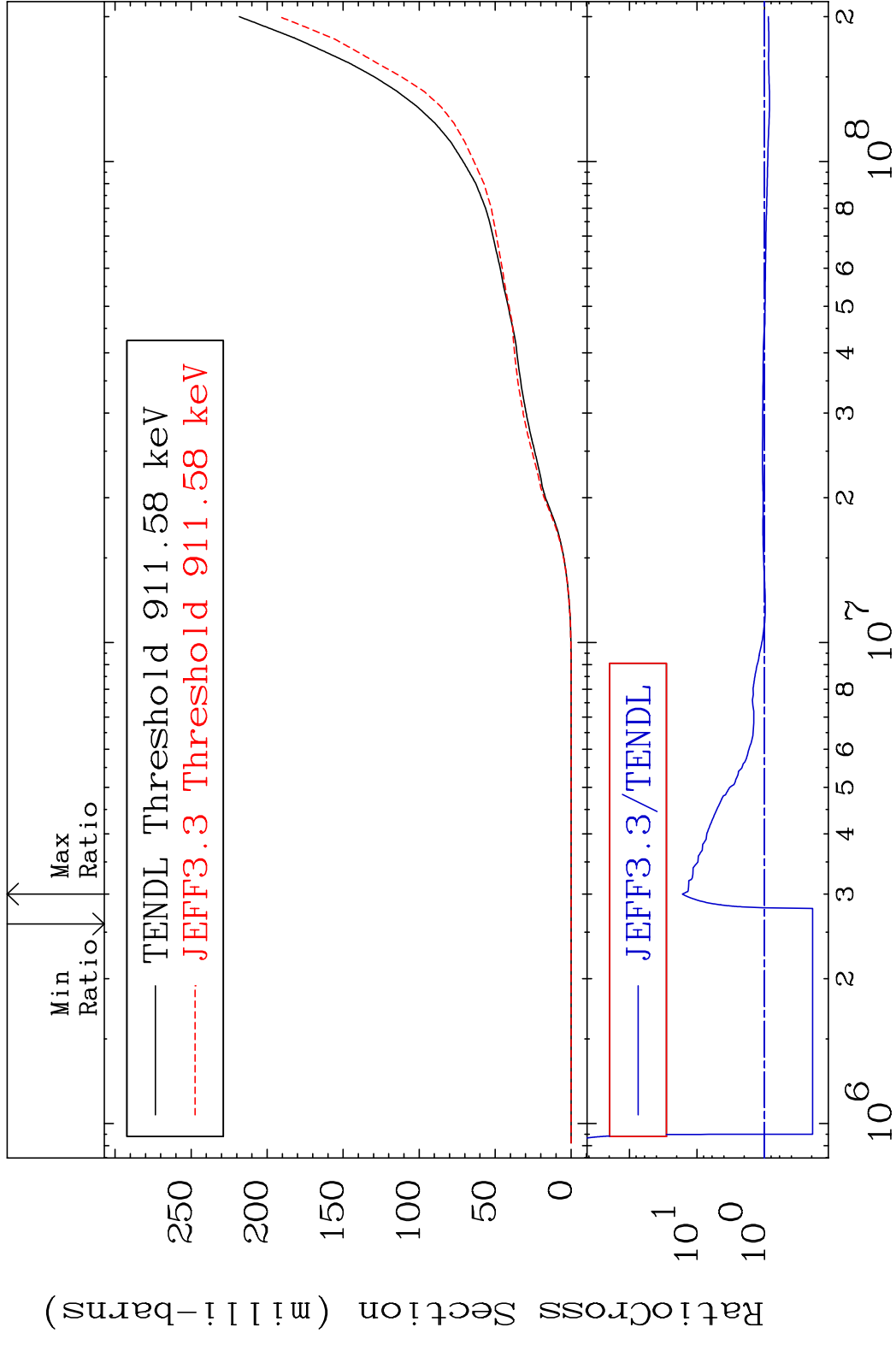


MAT 3443

He-4 Production

34-Se-80

Cross Section -80.52 To 1551. %

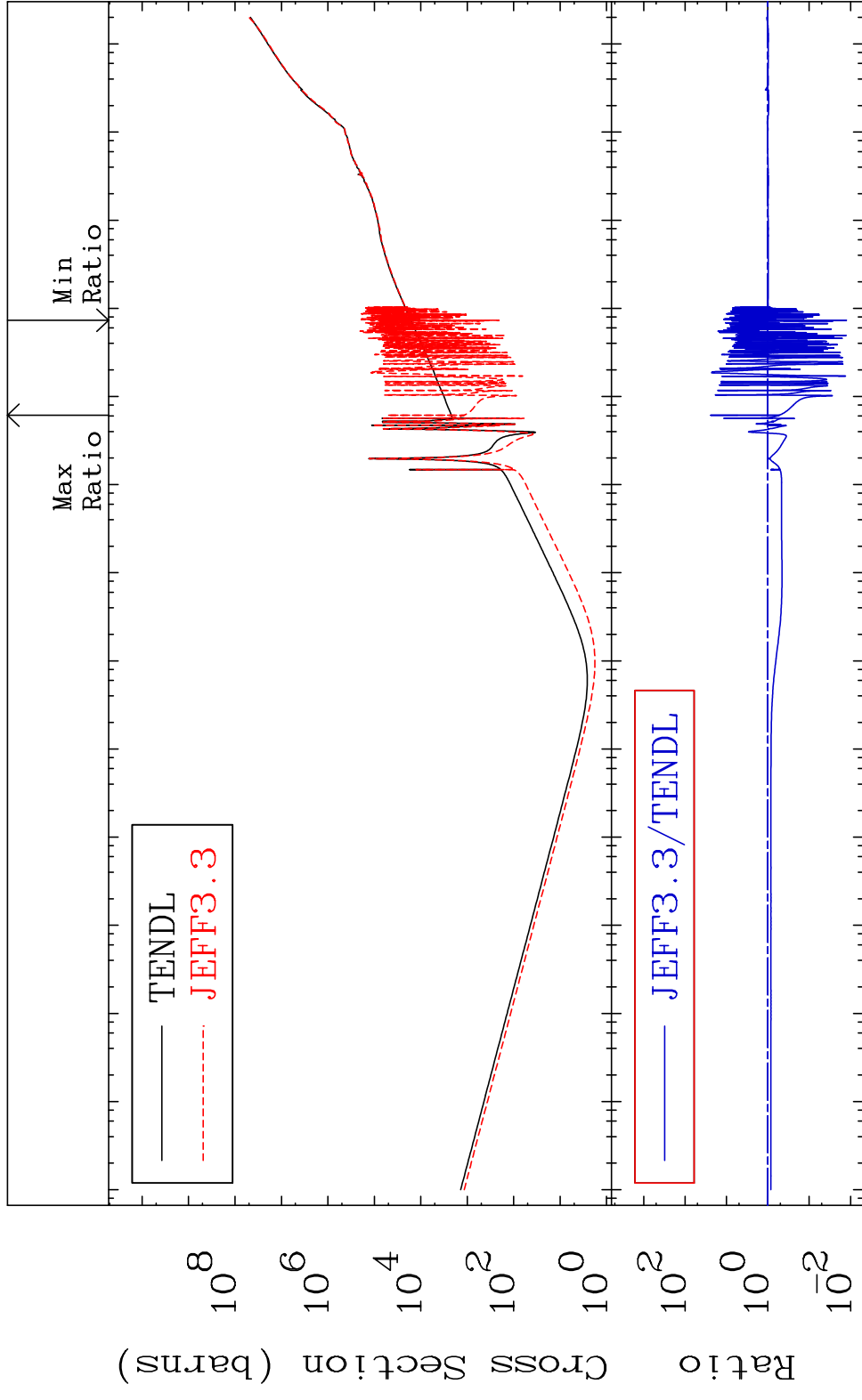


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Incident Energy (eV)

34-Se-80

MAT 3443 Kerma total (eV-barns) 34-Se-80
 Cross Section -98.73 To 2300. %

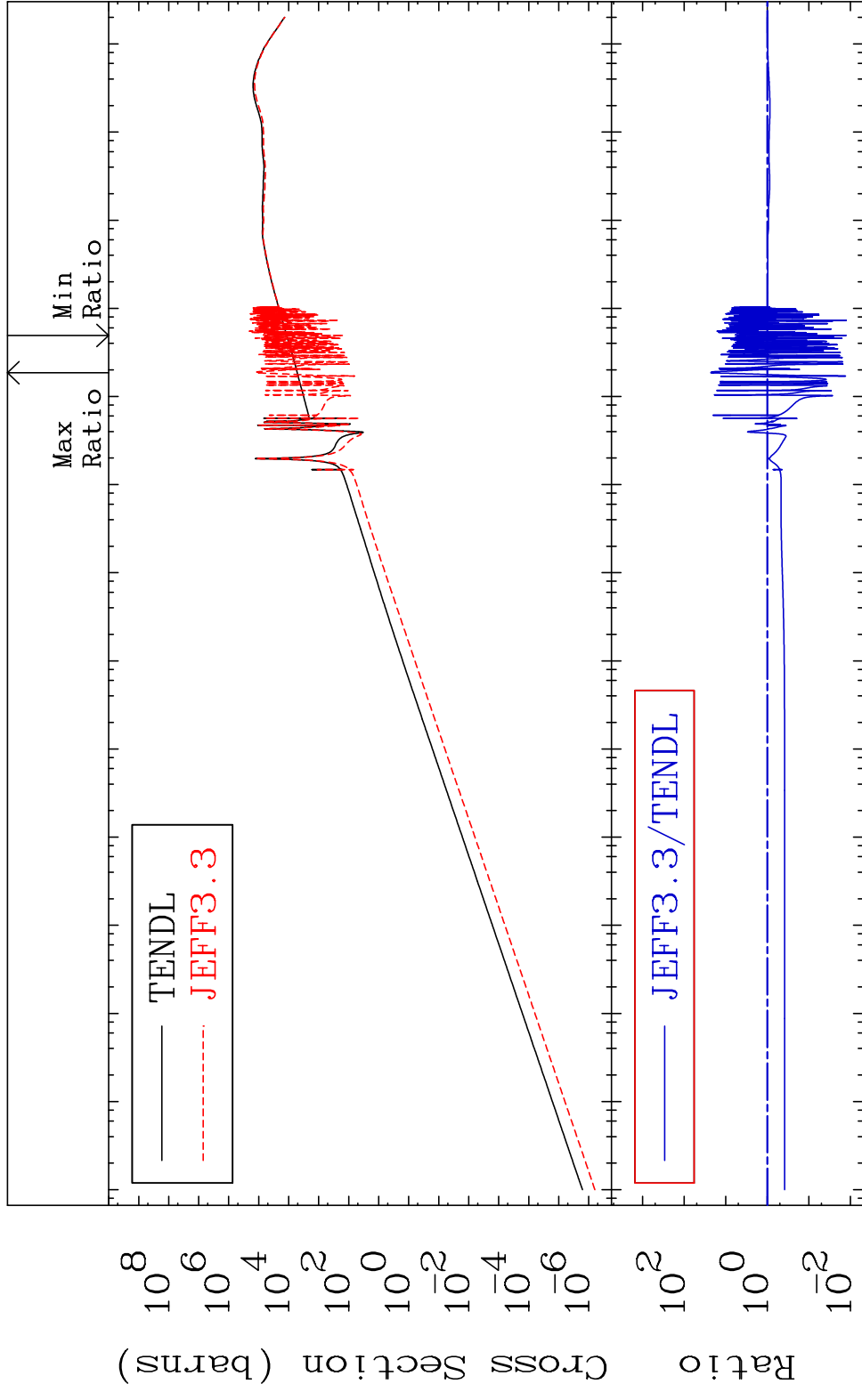


Ratio
 Cross Section (barns)
 Incident Energy (eV) 34-Se-80

MAT 3443

Kerma elastic
Cross Section

34-Se-80
-98.75 To 2194. %

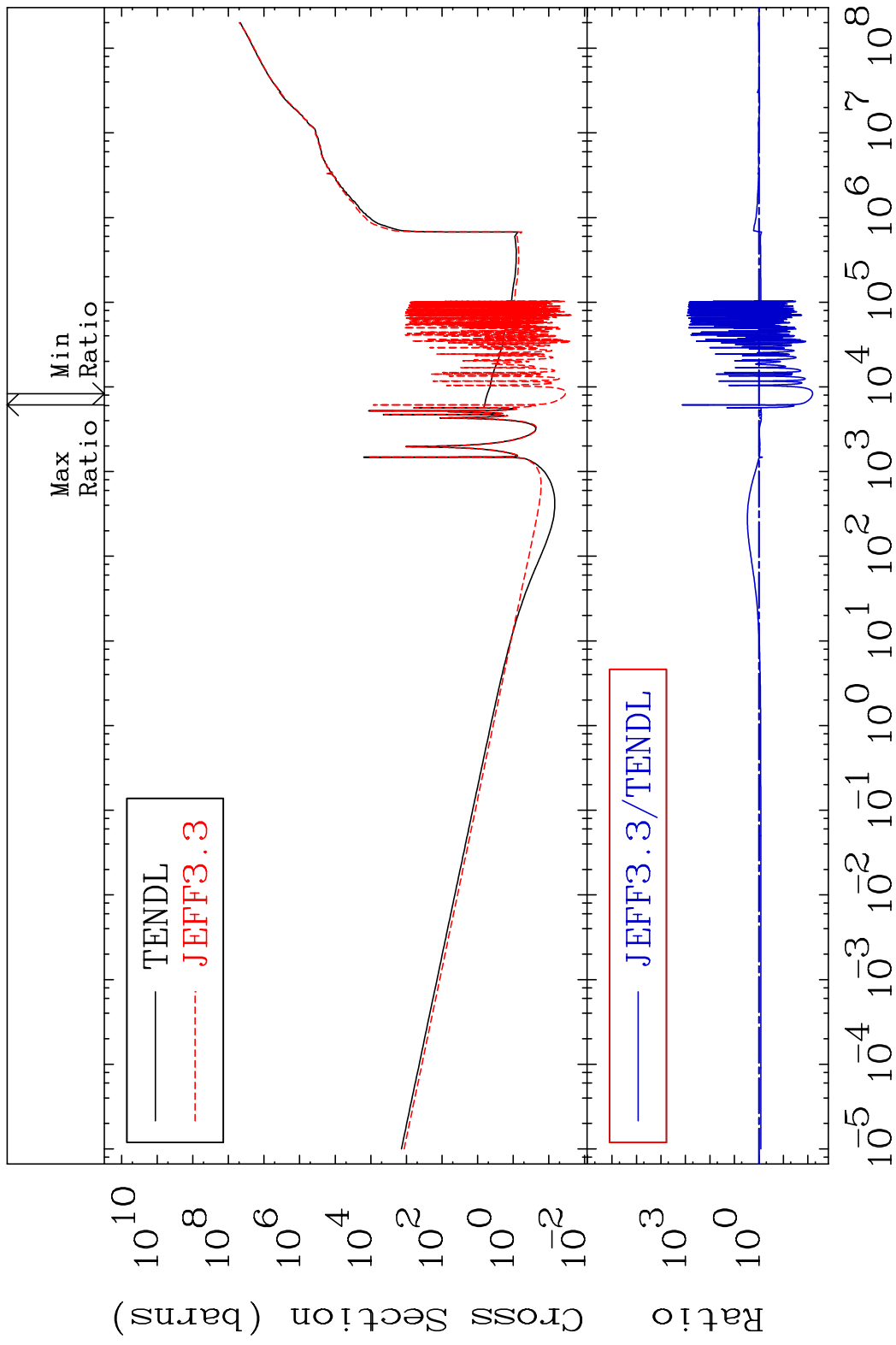


70

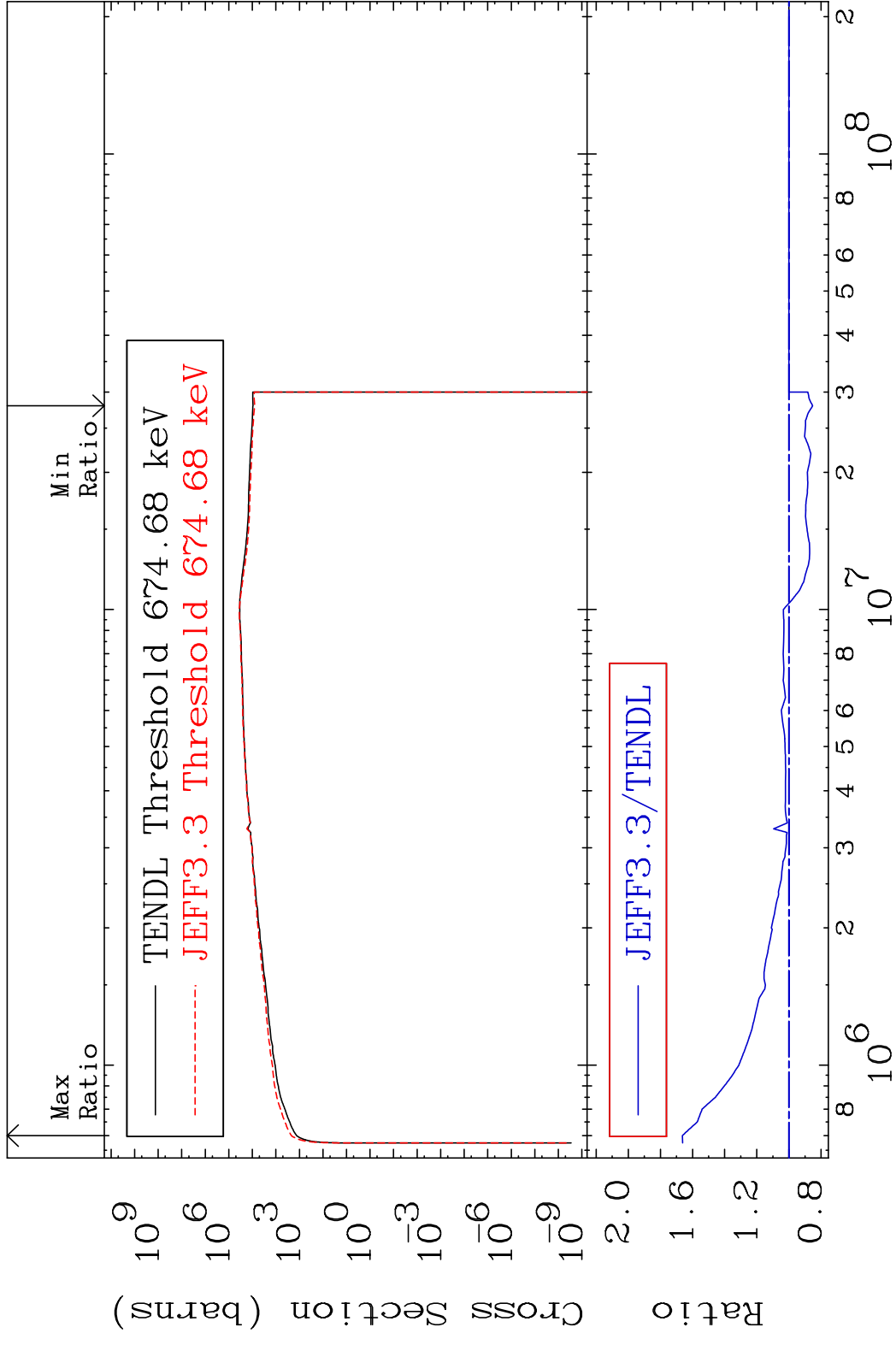
Incident Energy (eV)

34-Se-80

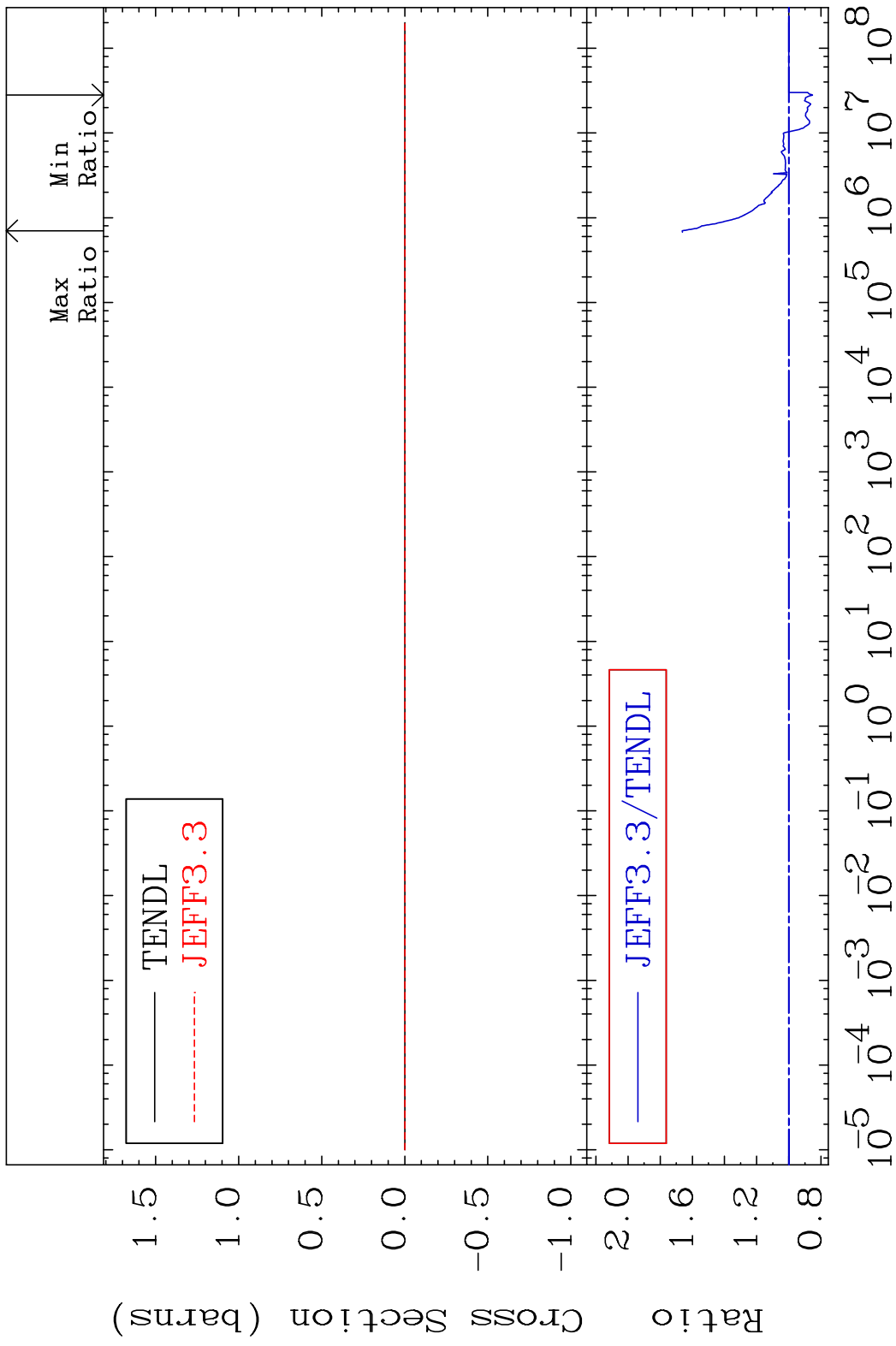
MAT 3443 Kerma non-elastic (all but mt2) 34-Se-80
 Cross Section -99.36 To 9999. %



MAT 3443 Kerma inelastic (mt51-91) 34-Se-80
 Cross Section -14.70 To 66.34 %

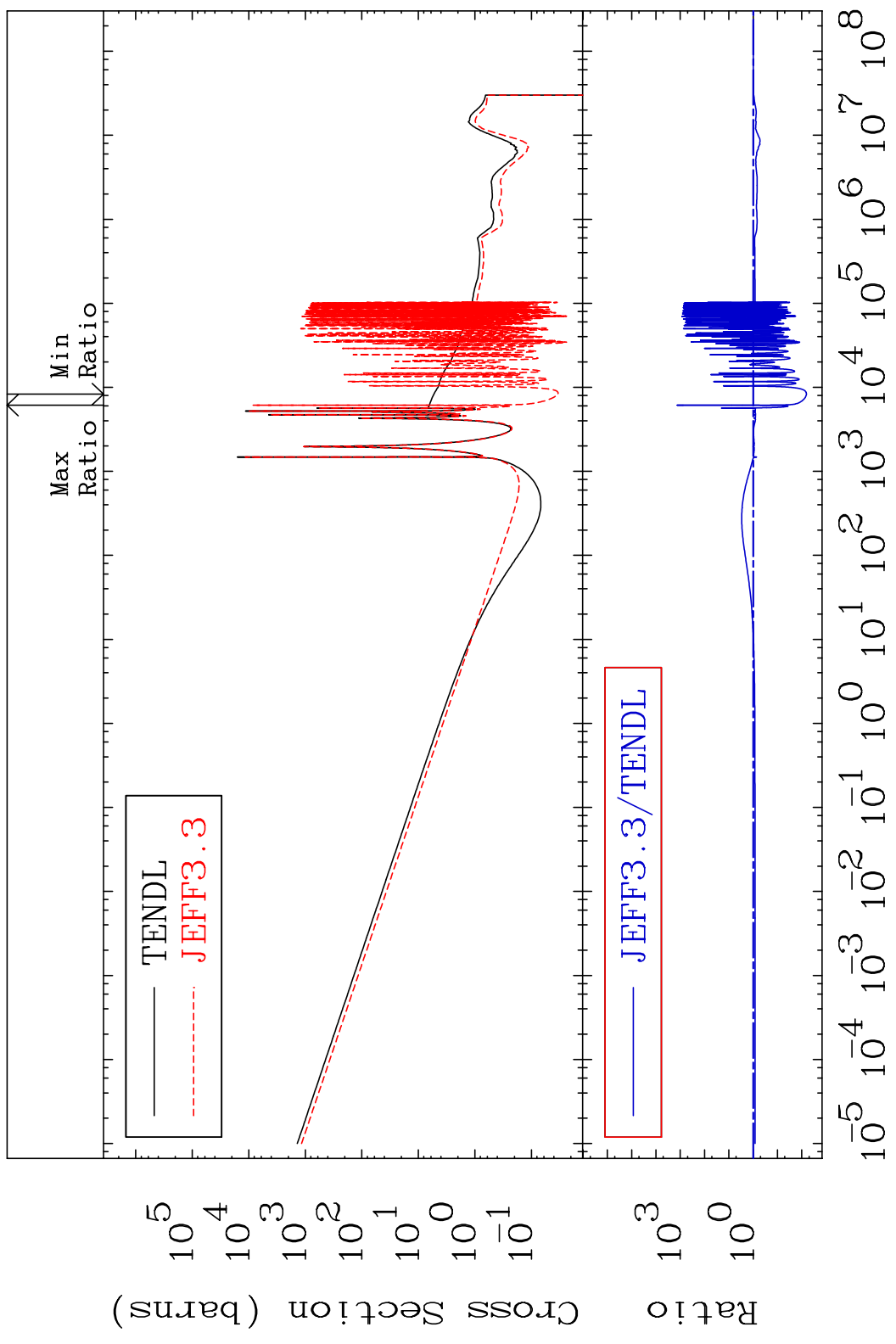


MAT 3443 Kerma fission (mt18 or mt19-20-21-38) 34-Se-80
 Cross Section -14.70 To 66.34 %



MAT 3443

Kerma capture (mt102) 34-Se-80
Cross Section -99.36 To 9999. %



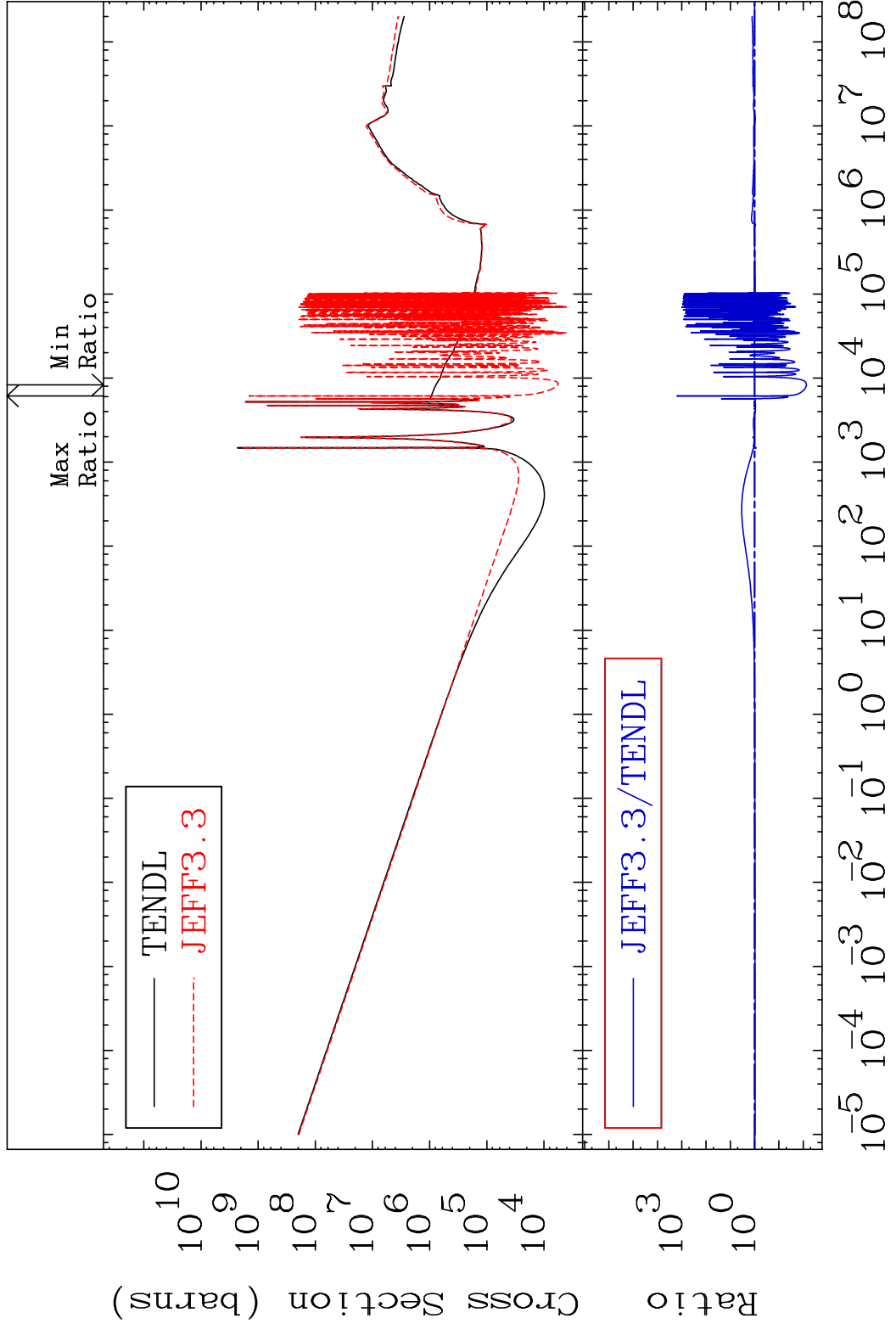
74

Incident Energy (eV)

34-Se-80

MAT 3443

Total photon (eV-barns) 34-Se-80
Cross Section -99.26 To 9999. %

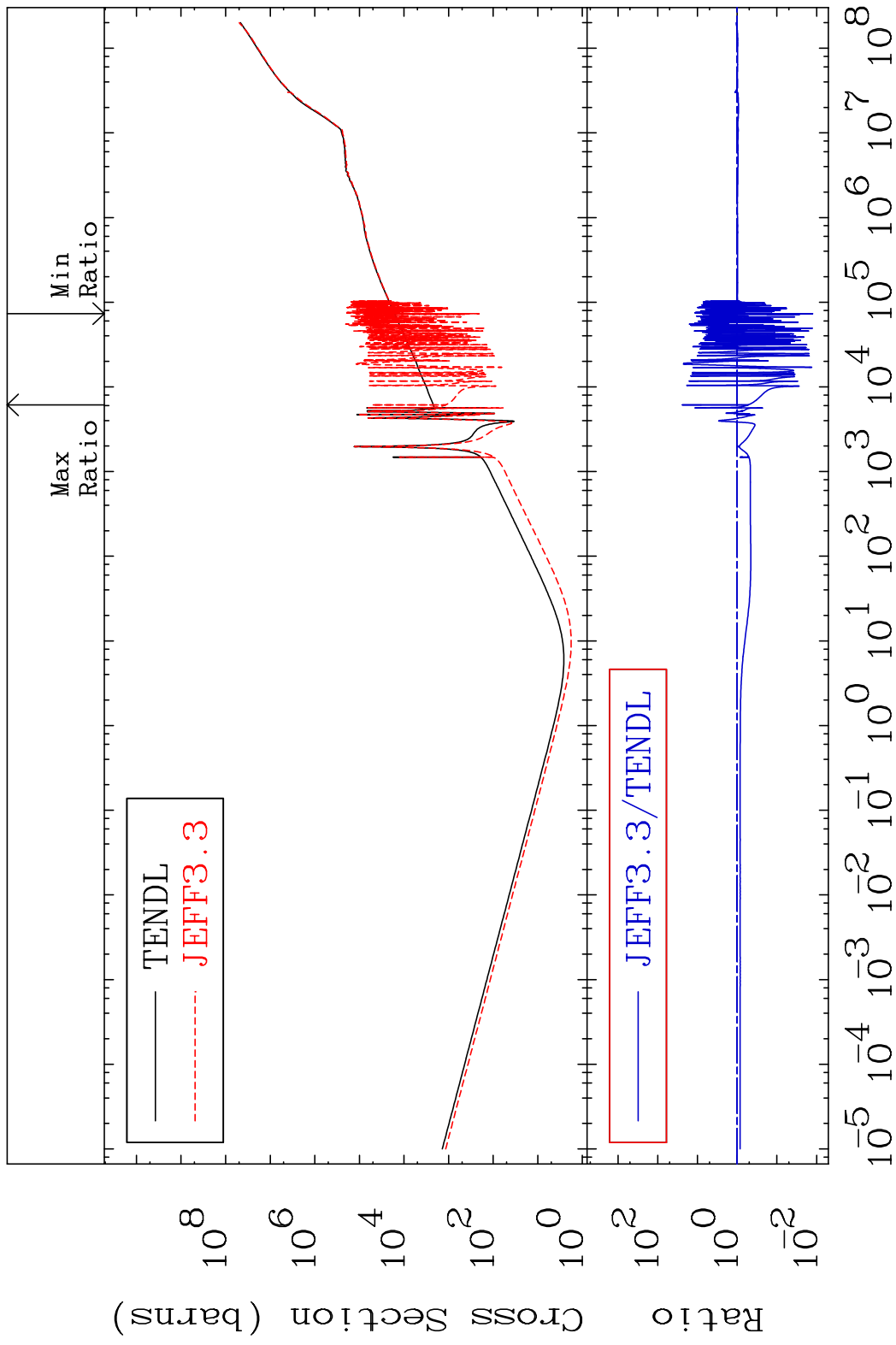


75

Incident Energy (eV)

34-Se-80

MAT 3443 Total kinematic kerma (high limit) 34-Se-80
 Cross Section -98.73 To 2300. %

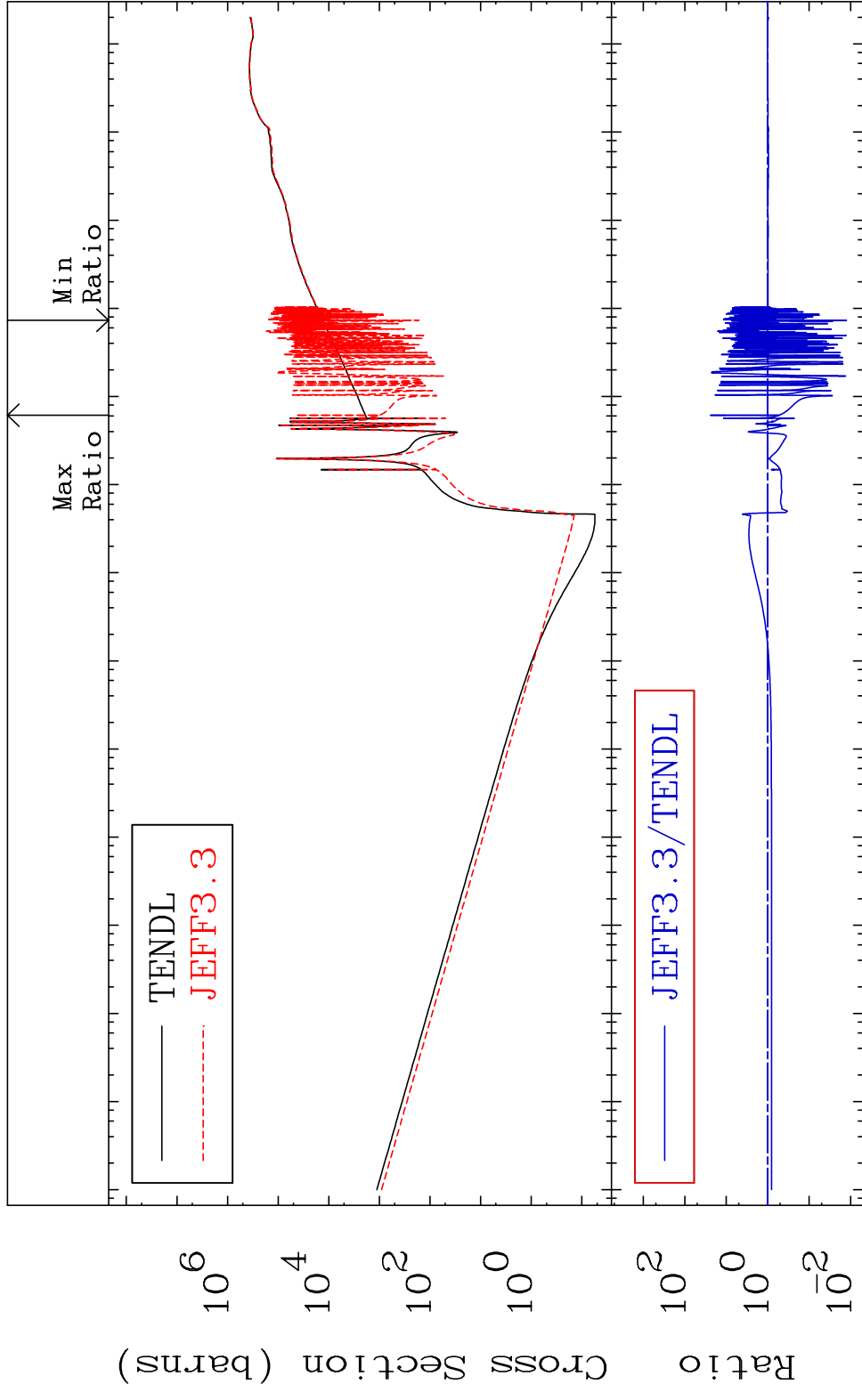


MAT 3443

Dpa total (eV-barns)

34-Se-80

Cross Section -98.73 To 2264. %



77

Incident Energy (eV)

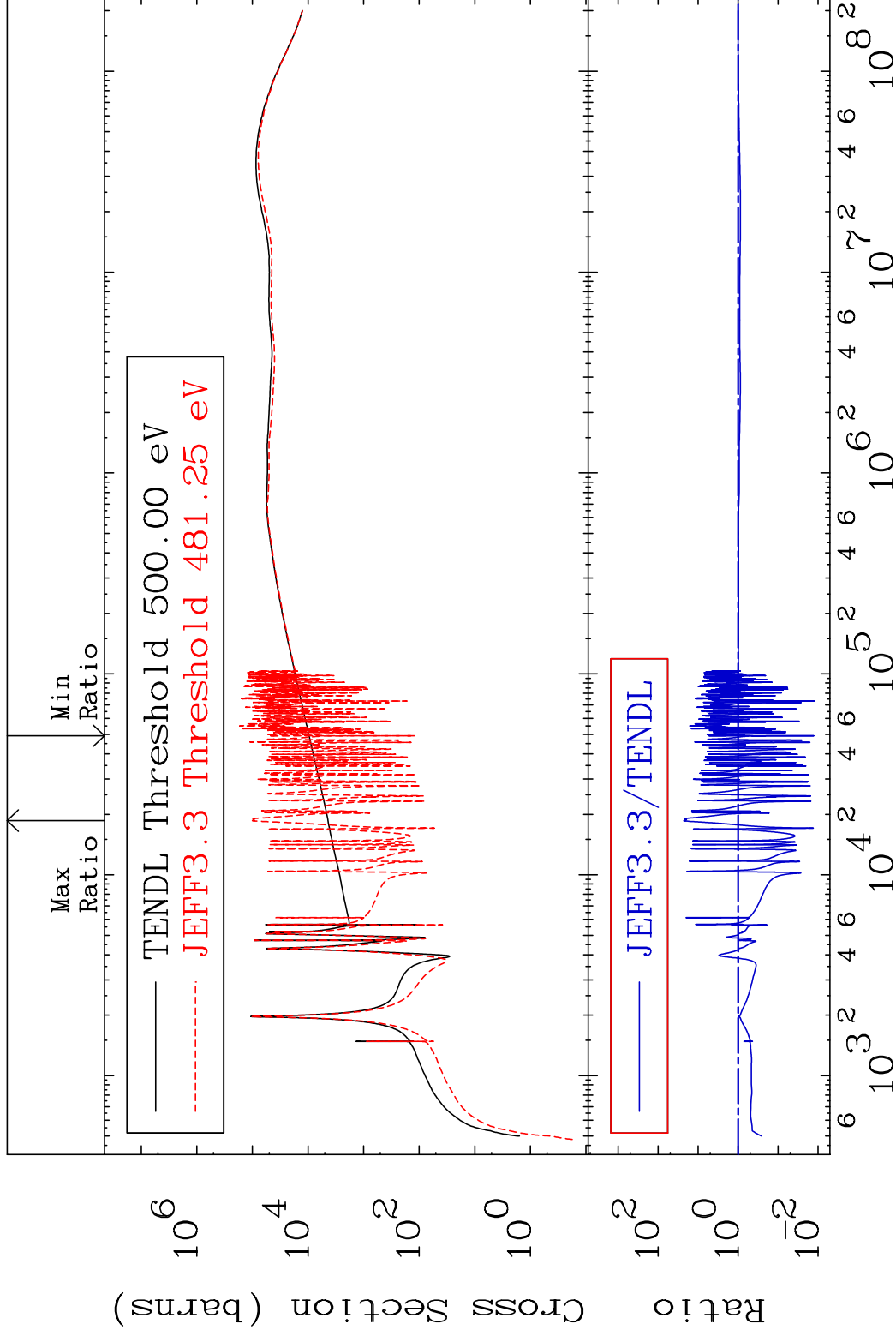
34-Se-80

MAT 3443

Dpa elastic (mt2)

34-Se-80

Cross Section -98.75 To 2194. %

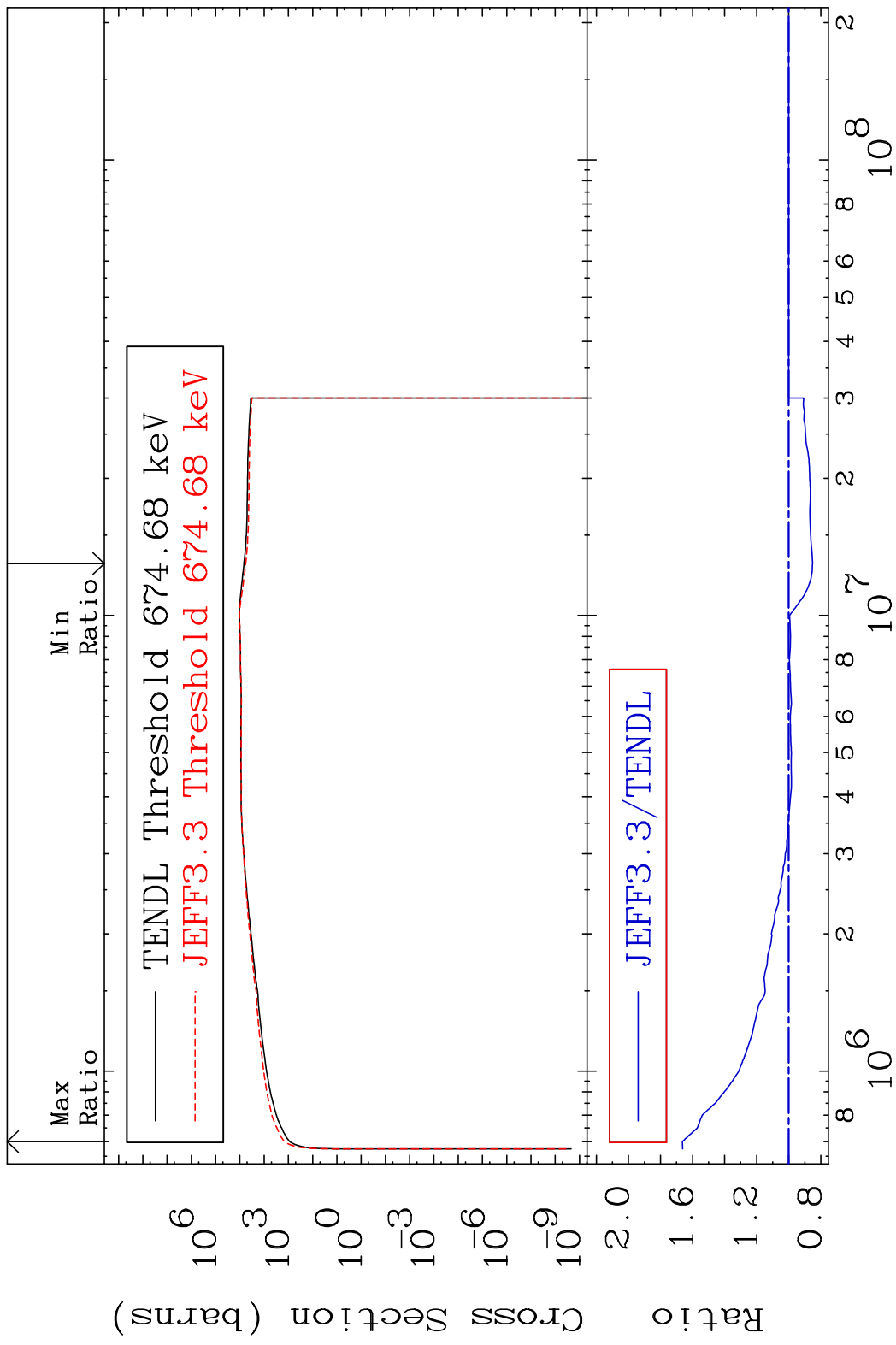


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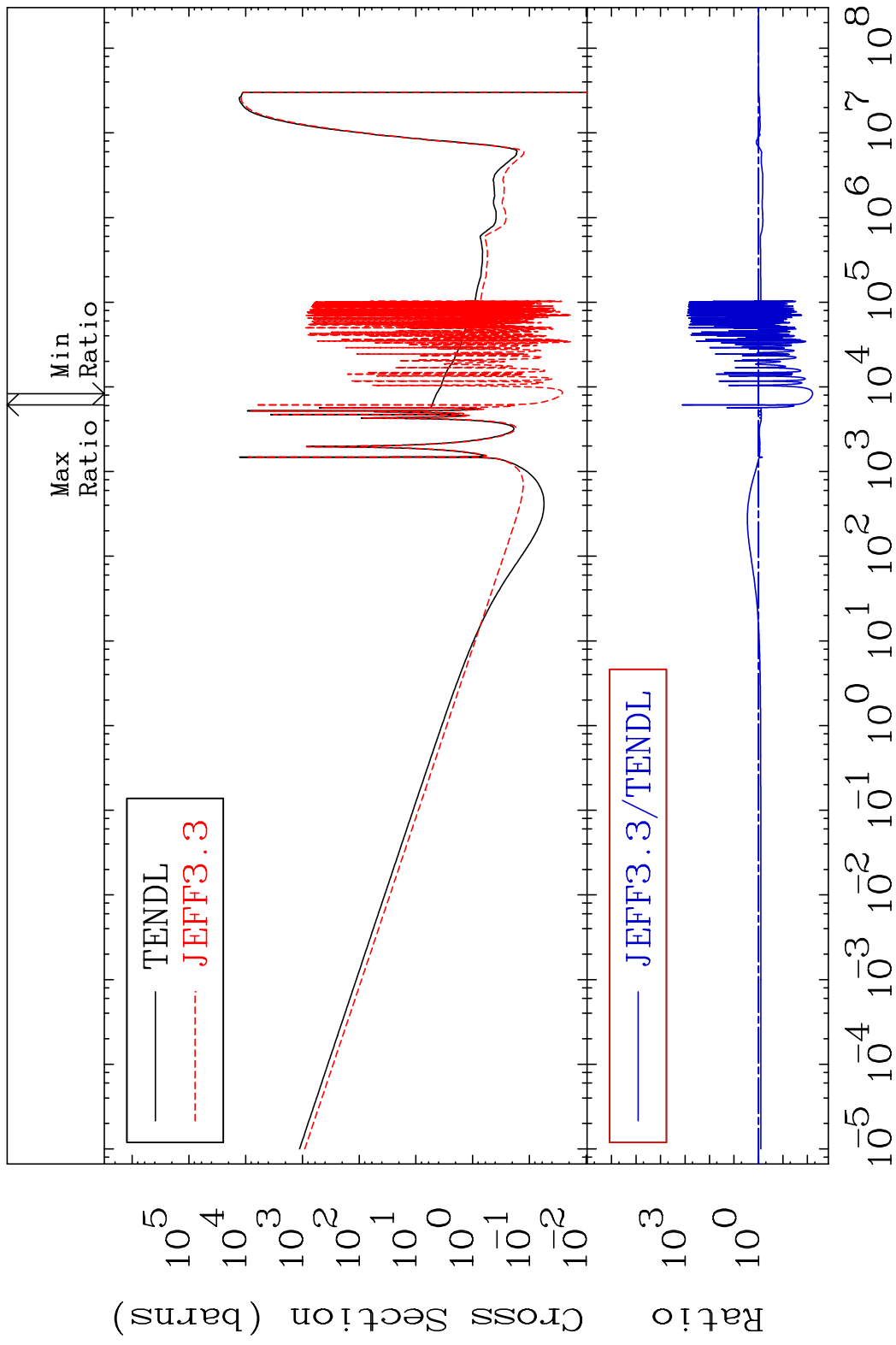
Incident Energy (eV)

34-Se-80

MAT 3443 Dpa inelastic (mt51-91) 34-Se-80
 Cross Section -14.88 To 66.36 %

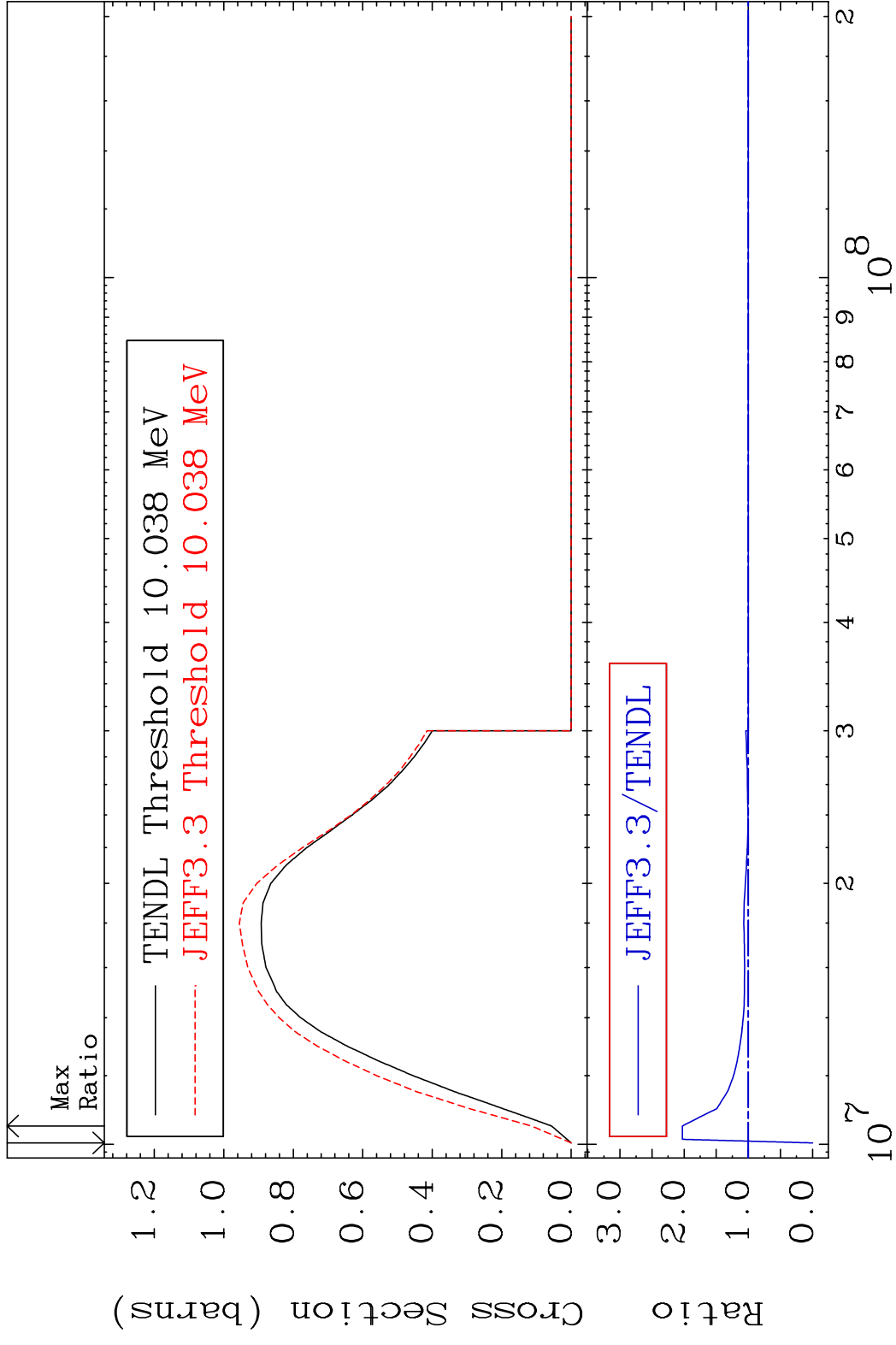


MAT 3443 Dpa disappearance (mt102 -120) 34-Se-80
 Cross Section -99.38 To 9999. %

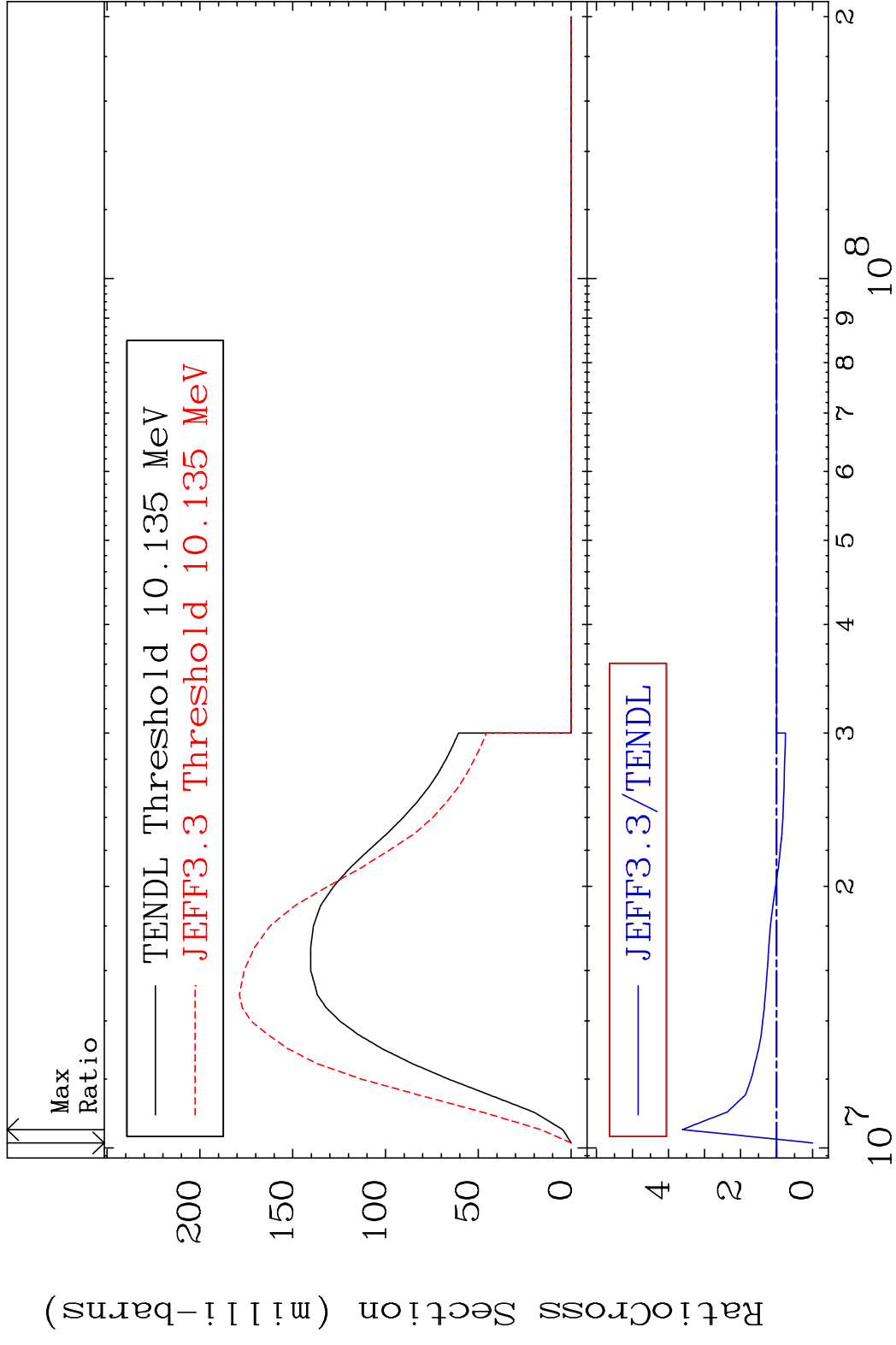


80 Incident Energy (eV) 34-Se-80

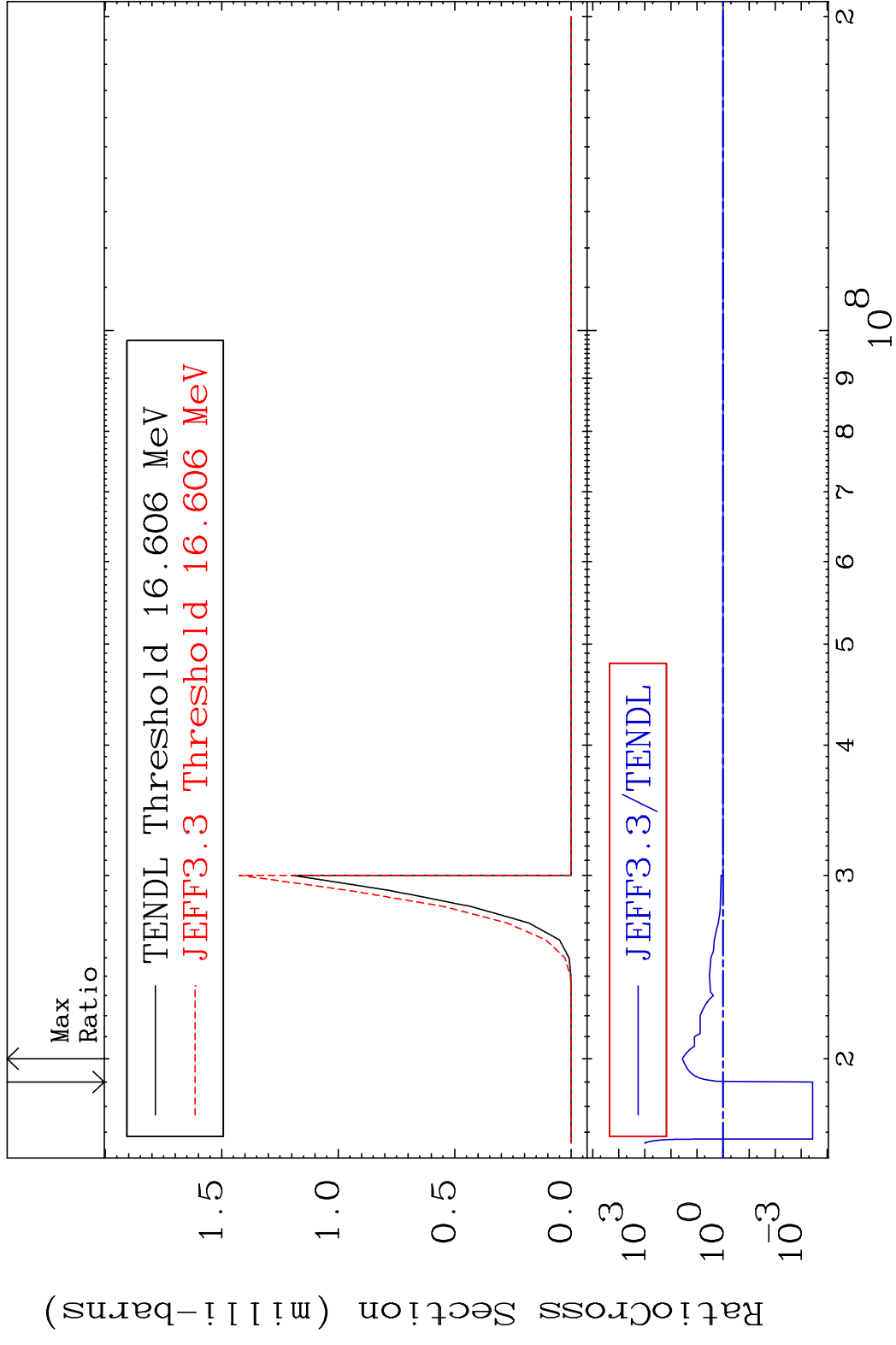
MAT 3443 (n,2n):34-Se-79g 34-Se-80
 Radionuclide Production Cross Section 100.0 dth 102.8 %

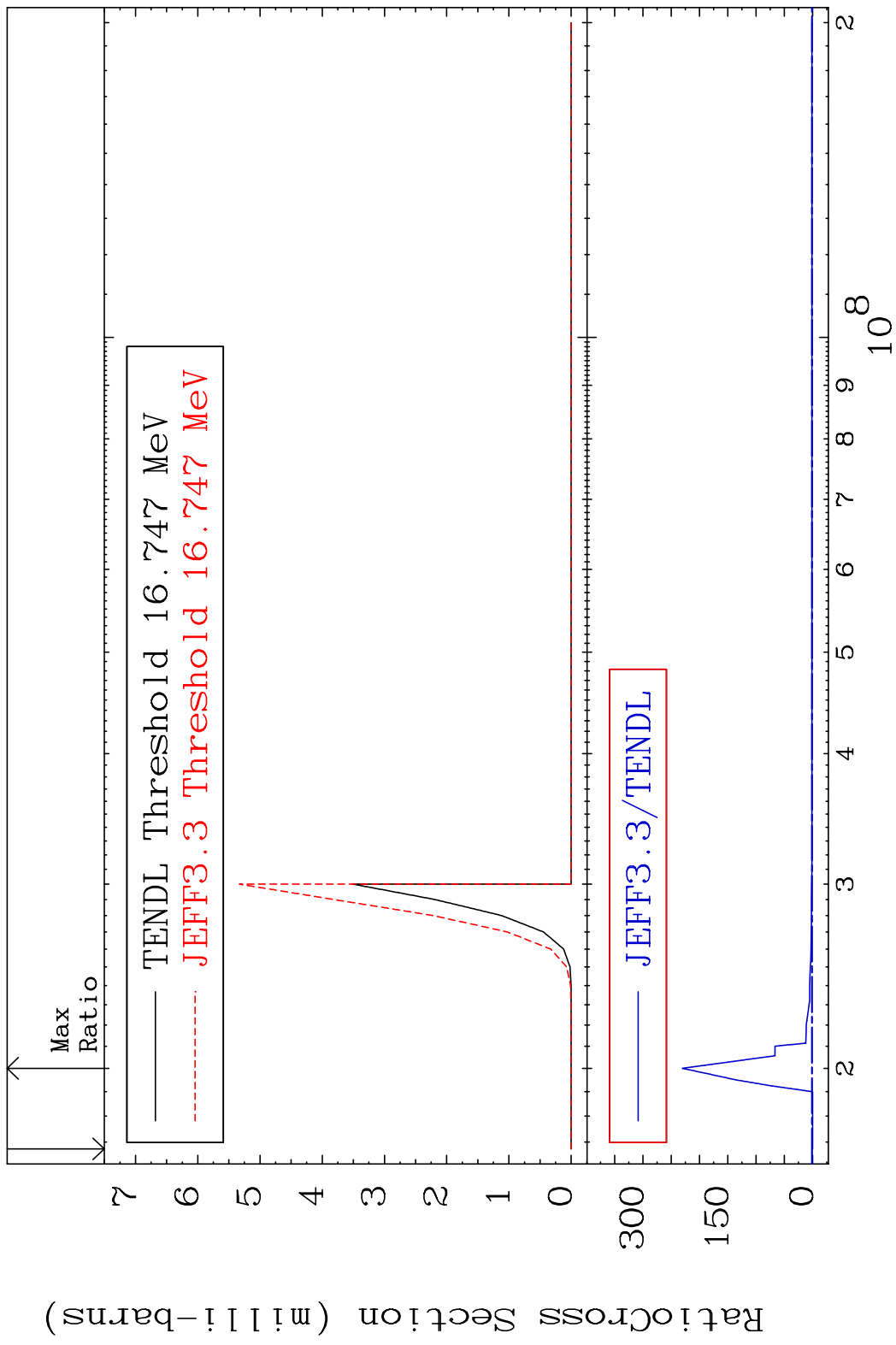


MAT 3443 (n,2n):34-Se-79m1 34-Se-80
 Radionuclide Production Cross Section Ratio 261.4 %

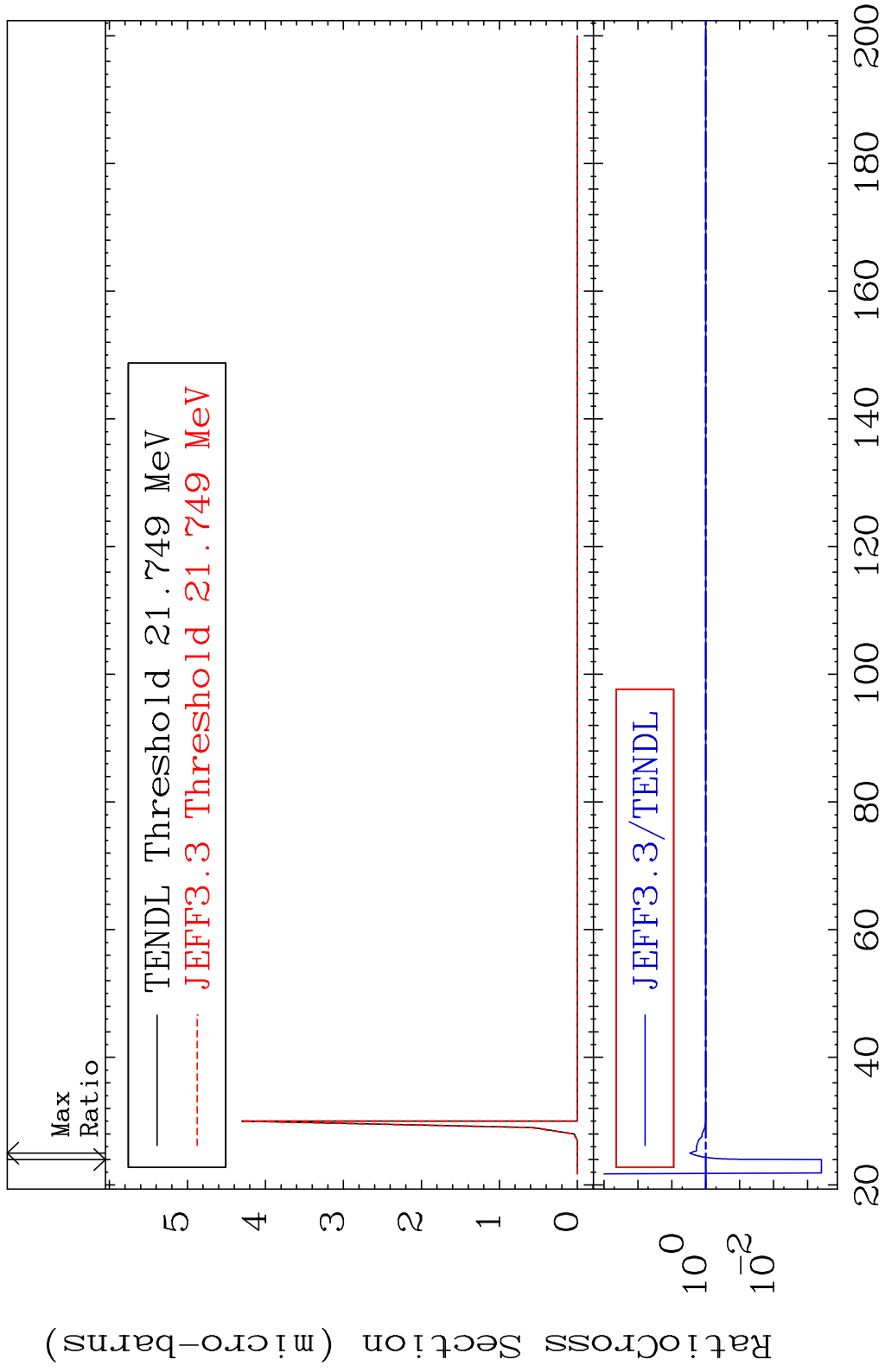


MAT 3443 (n,2n) α :32-Ge-75g 34-Se-80
 Radionuclide Production Cross Section 98.961 dth 3538. %

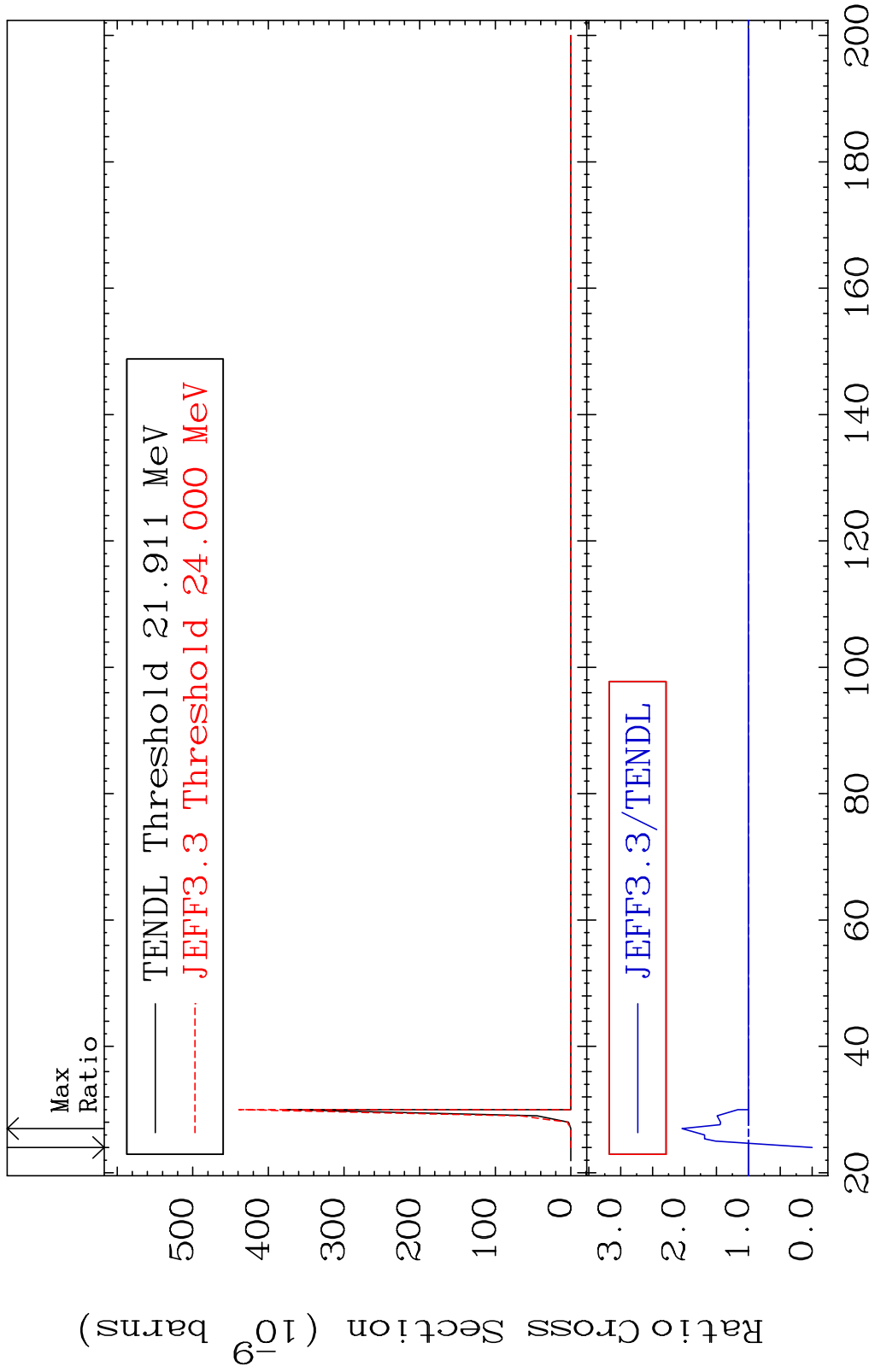


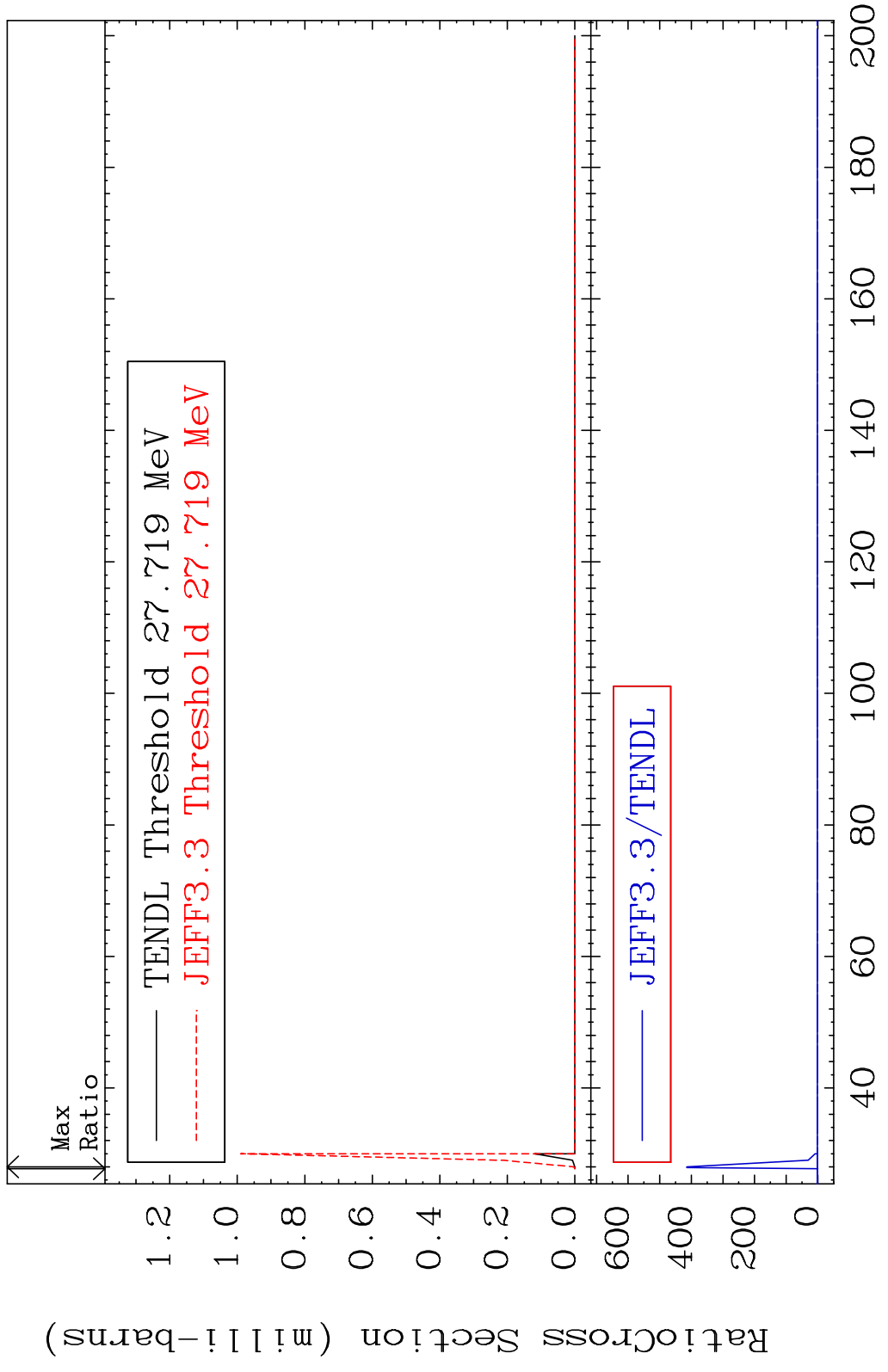


MAT 3443 (n, n') He-3:32-Ge-77g 34-Se-80
 Radionuclide Production Cross Section 98.961 dth 196.9 %

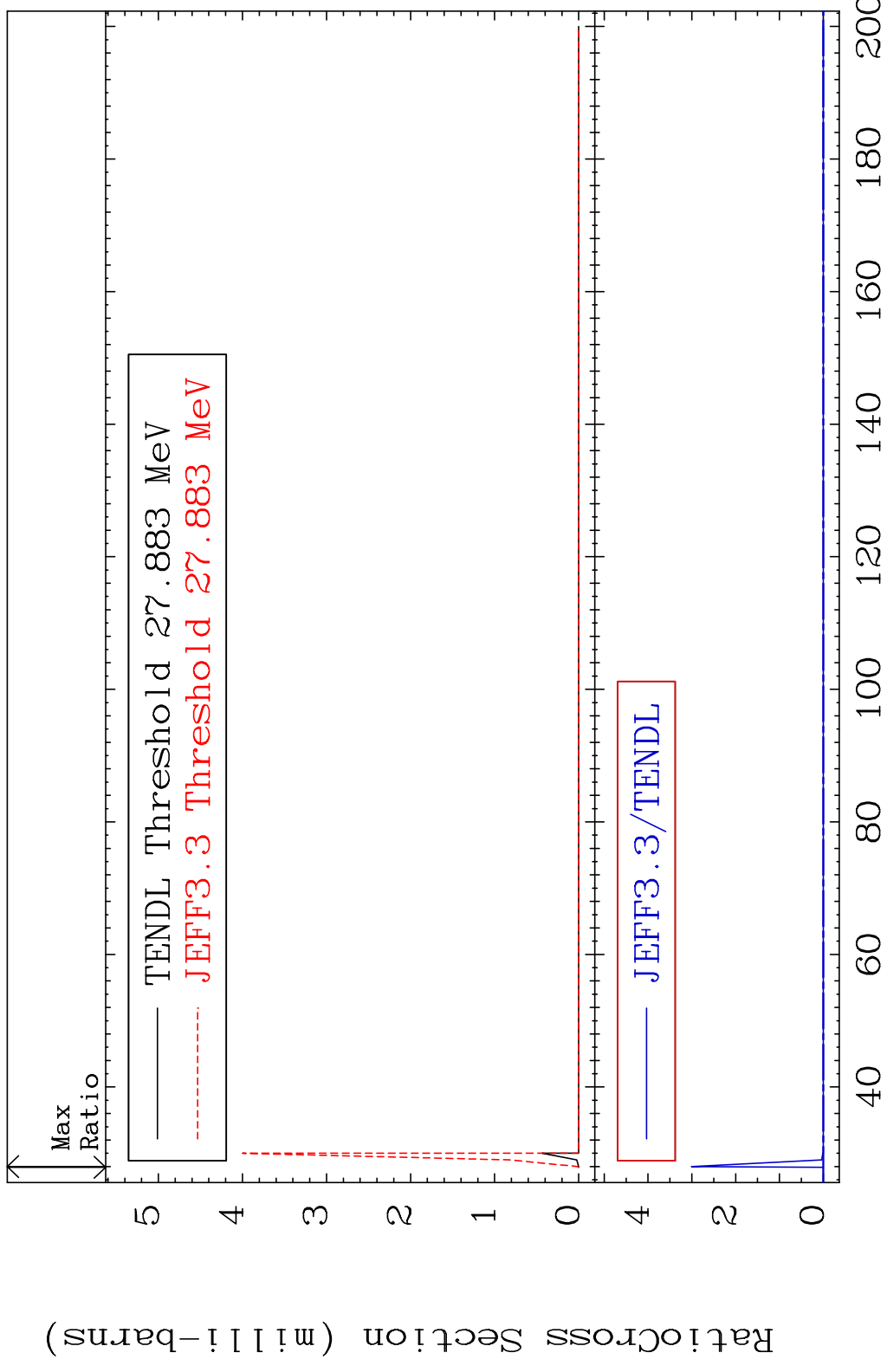


85 Incident Energy (MeV) 34-Se-80

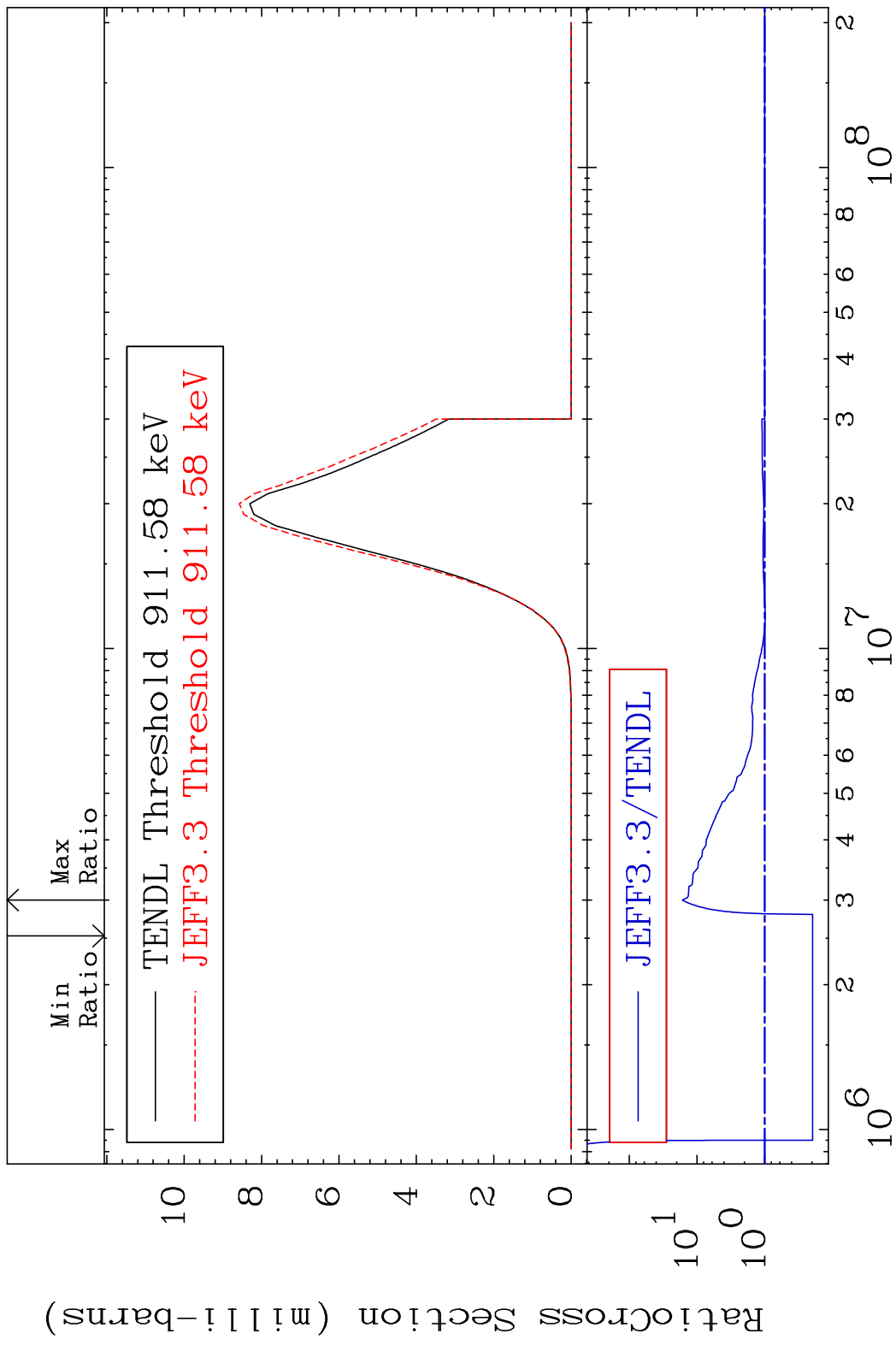




MAT 3443 (n,4n):34-Se-77m1 34-Se-80
 Radionuclide Production Cross Section Ratio 9999. %

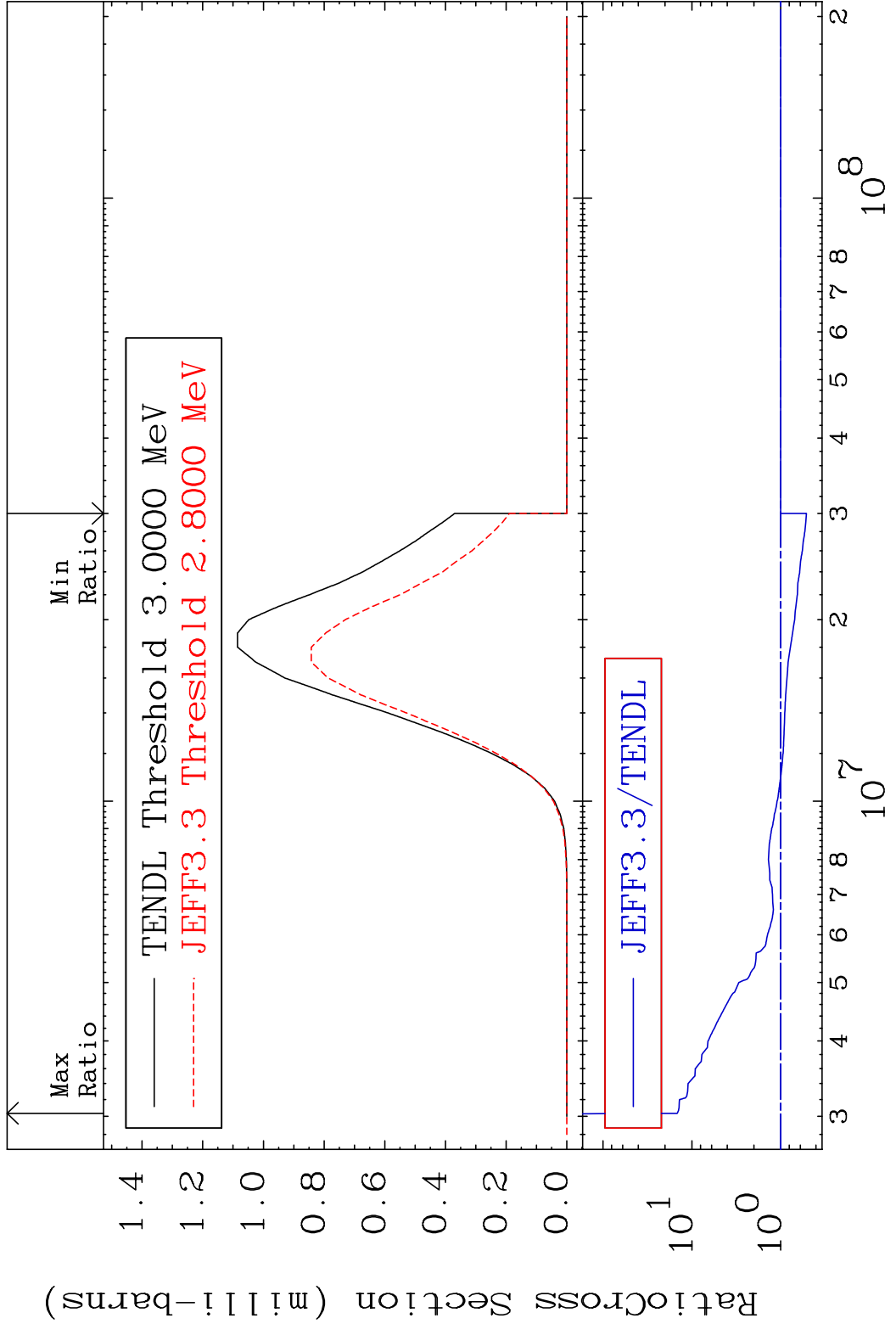


MAT 3443 (n, α): 32-Ge-77g 34-Se-80
 Radionuclide Production Cross Section 89 36 10 1547. %

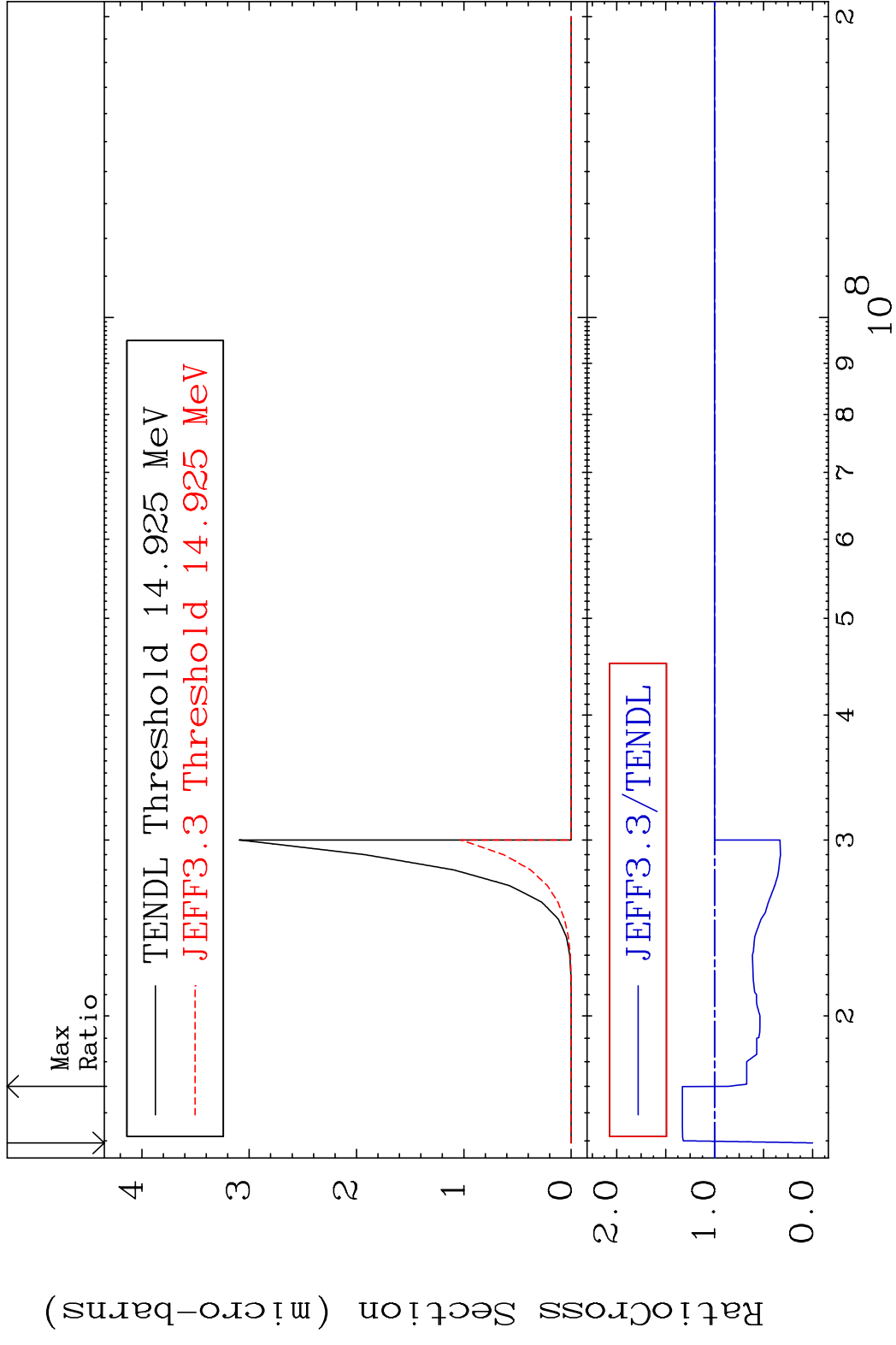


89 Incident Energy (eV) 34-Se-80

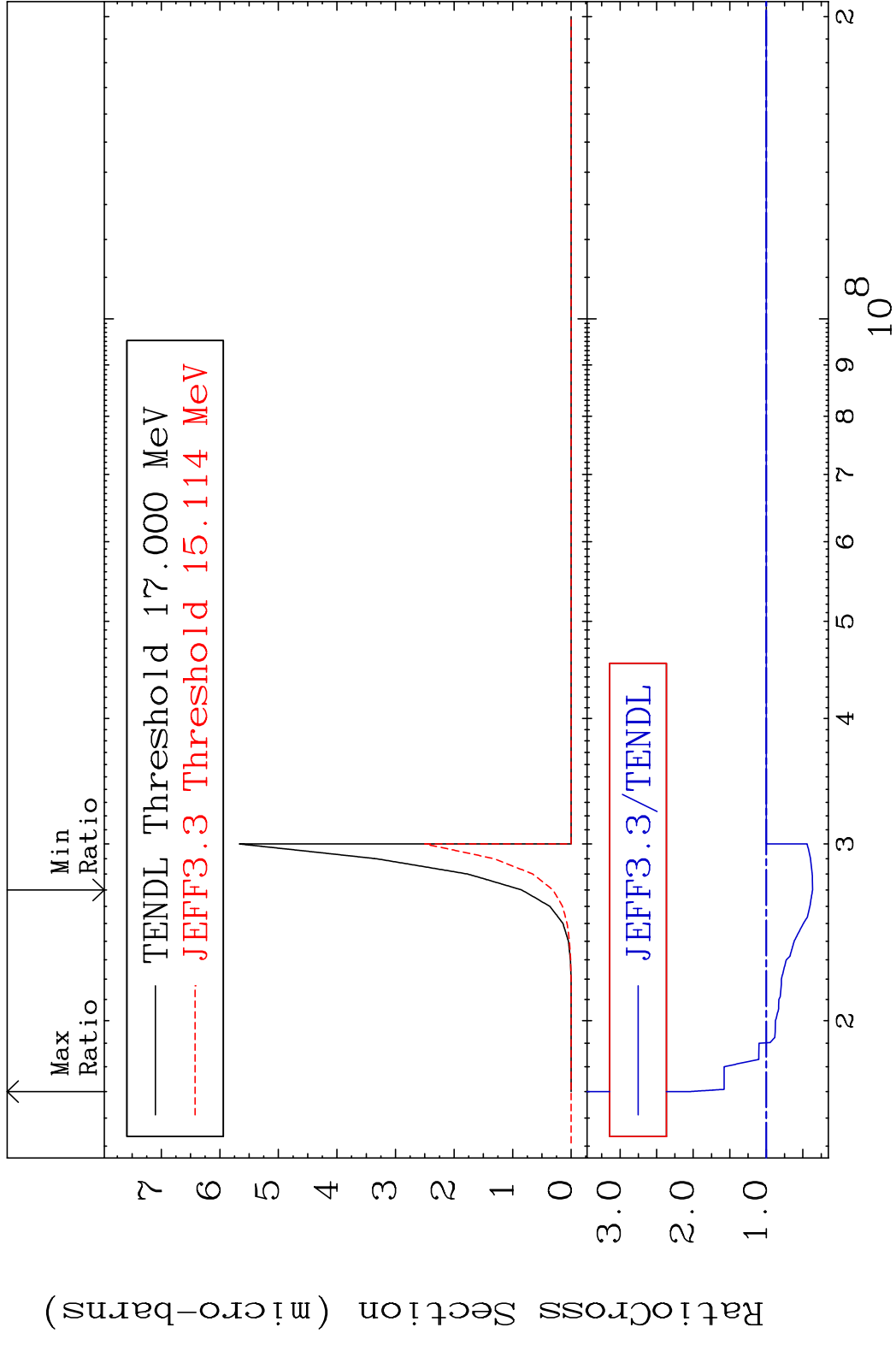
MAT 3443 (n, α): 32-Ge-77m1 34-Se-80
 Radionuclide Production Cross Section 48.78 dno 1362. %



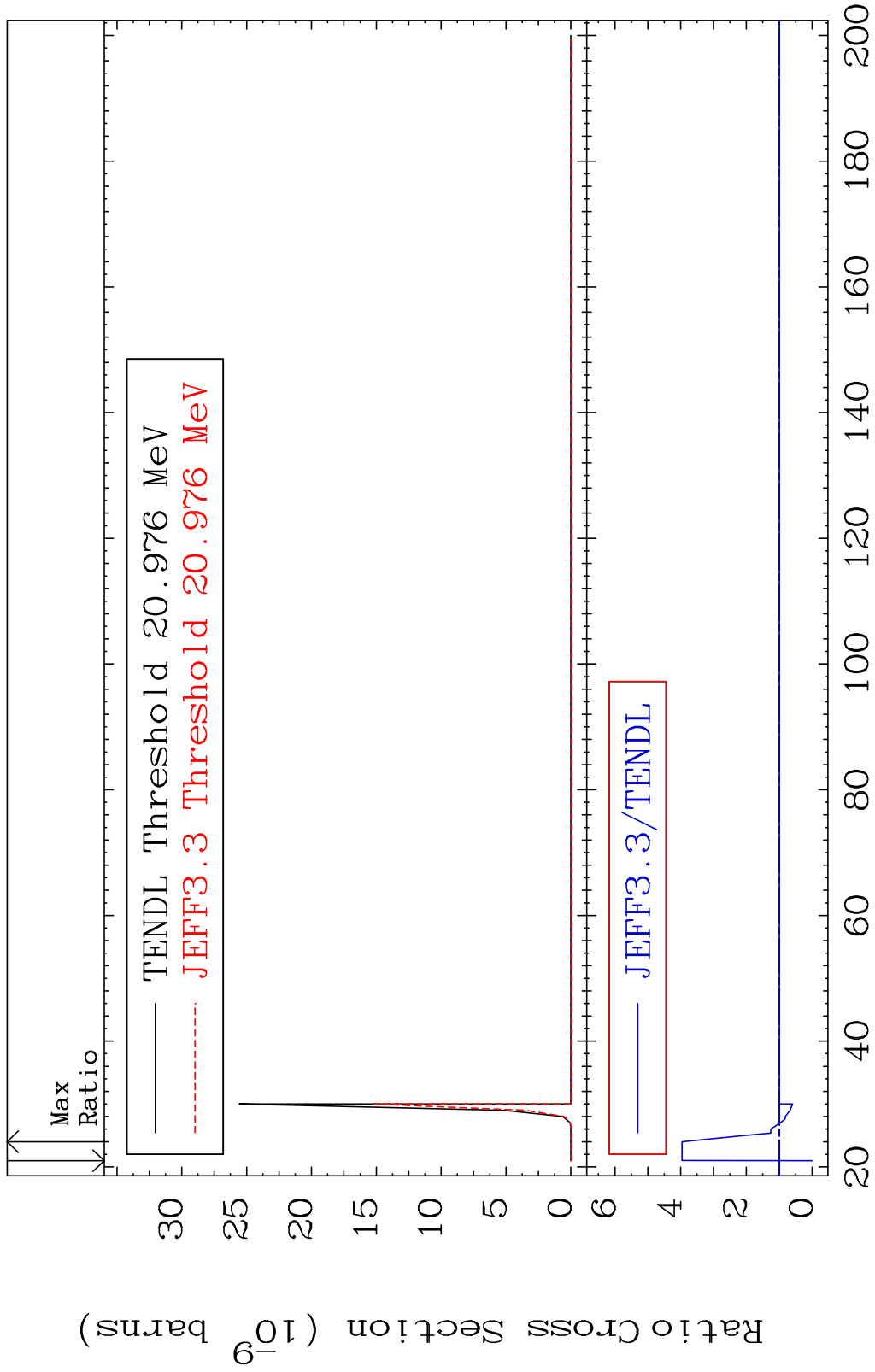
MAT 3443 (n,2p):32-Ge-79g 34-Se-80
 Radionuclide Production Cross Section Ratio



MAT 3443 (n,2p):32-Ge-79m1 34-Se-80
 Radionuclide Production Cross Section 114.8 %



MAT 3443 (n,p) t:32-Ge-77g 34-Se-80
 Radionuclide Production Cross Section Ratio 295.9 %



MAT 3443 (n,p) t:32-Ge-77m1 34-Se-80
 Radionuclide Production Cross Section 180c0i d10 479.5 %

