

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

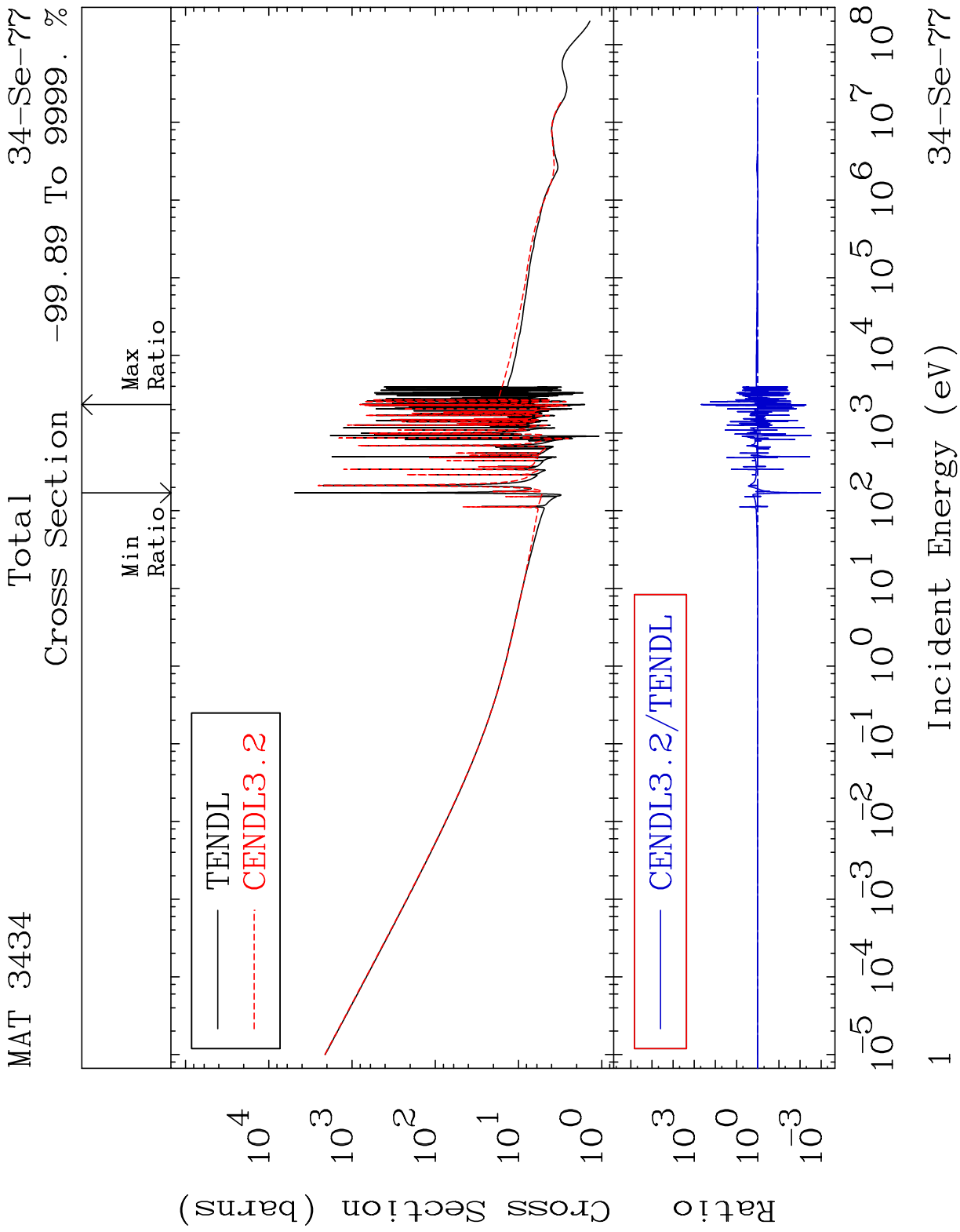
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Press Mouse Button to Start

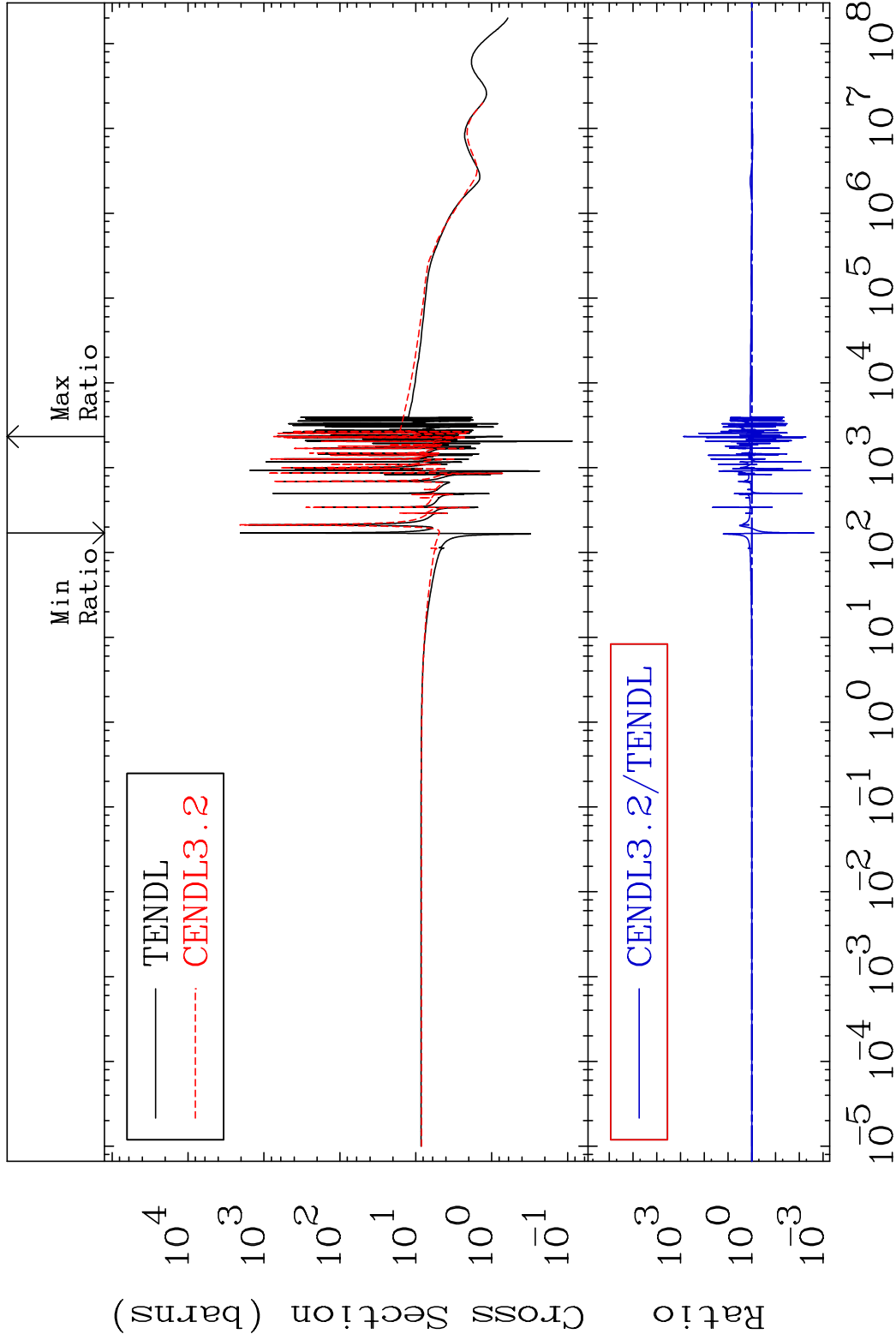


MAT 3434

Elastic

³⁴Se-77

Cross Section -99.76 To 9999. %

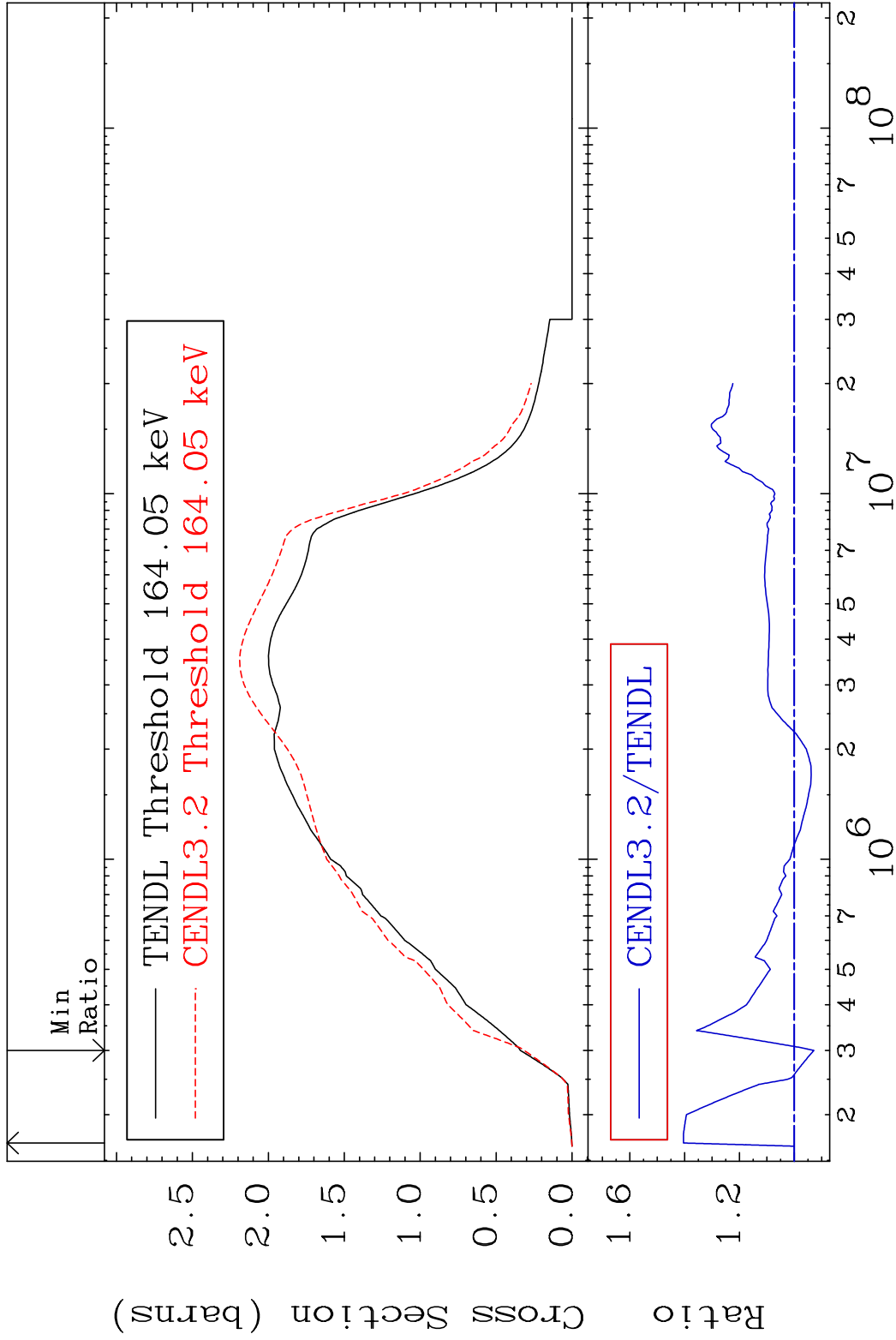


2

Incident Energy (eV)

³⁴Se-77

MAT 3434 Inelastic 34-Se-77
 Cross Section -7.135 To 40.41 %

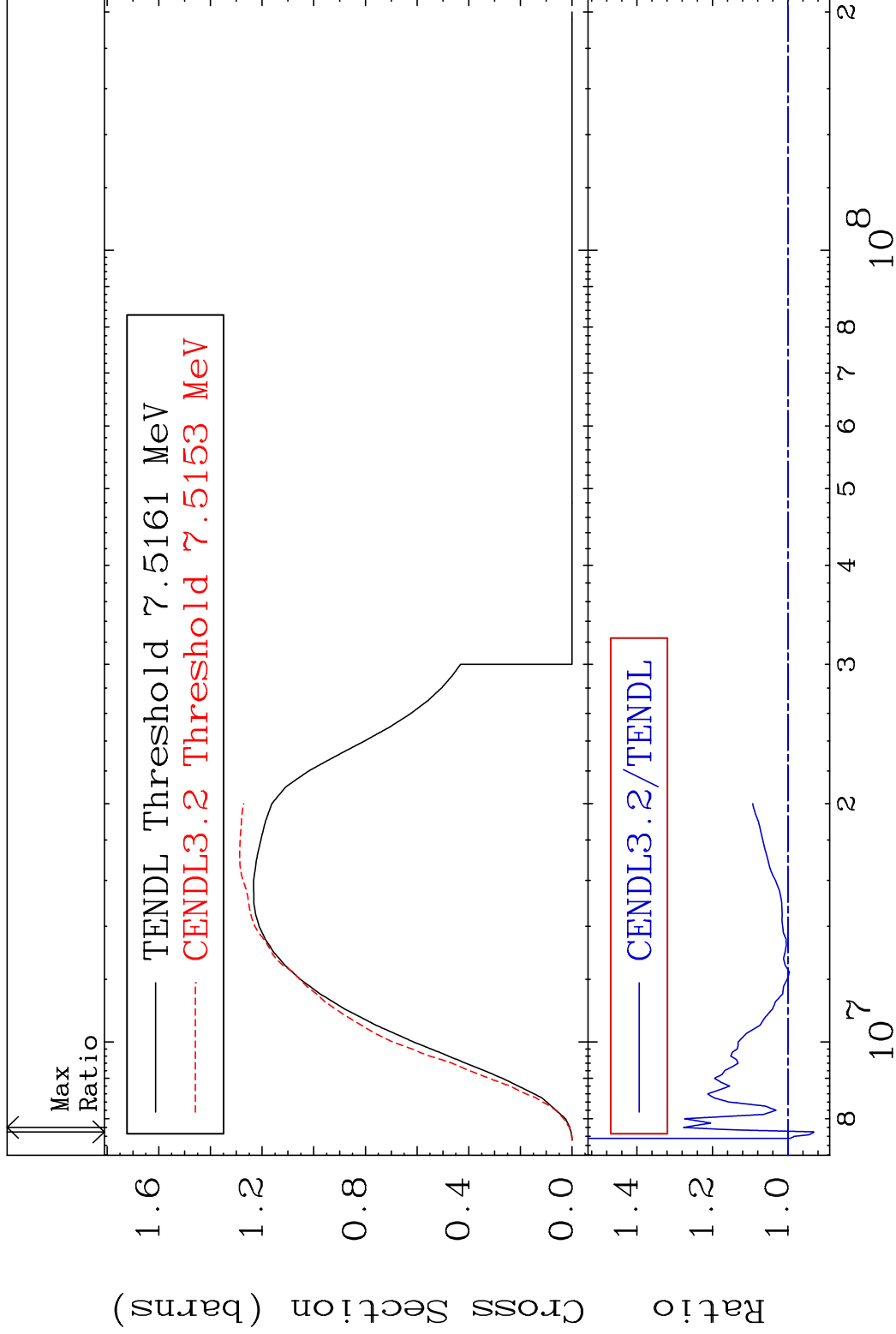


MAT 3434

(n,2n)

³⁴Se-77

Cross Section -6.869 To 27.68 %



4

Incident Energy (eV)

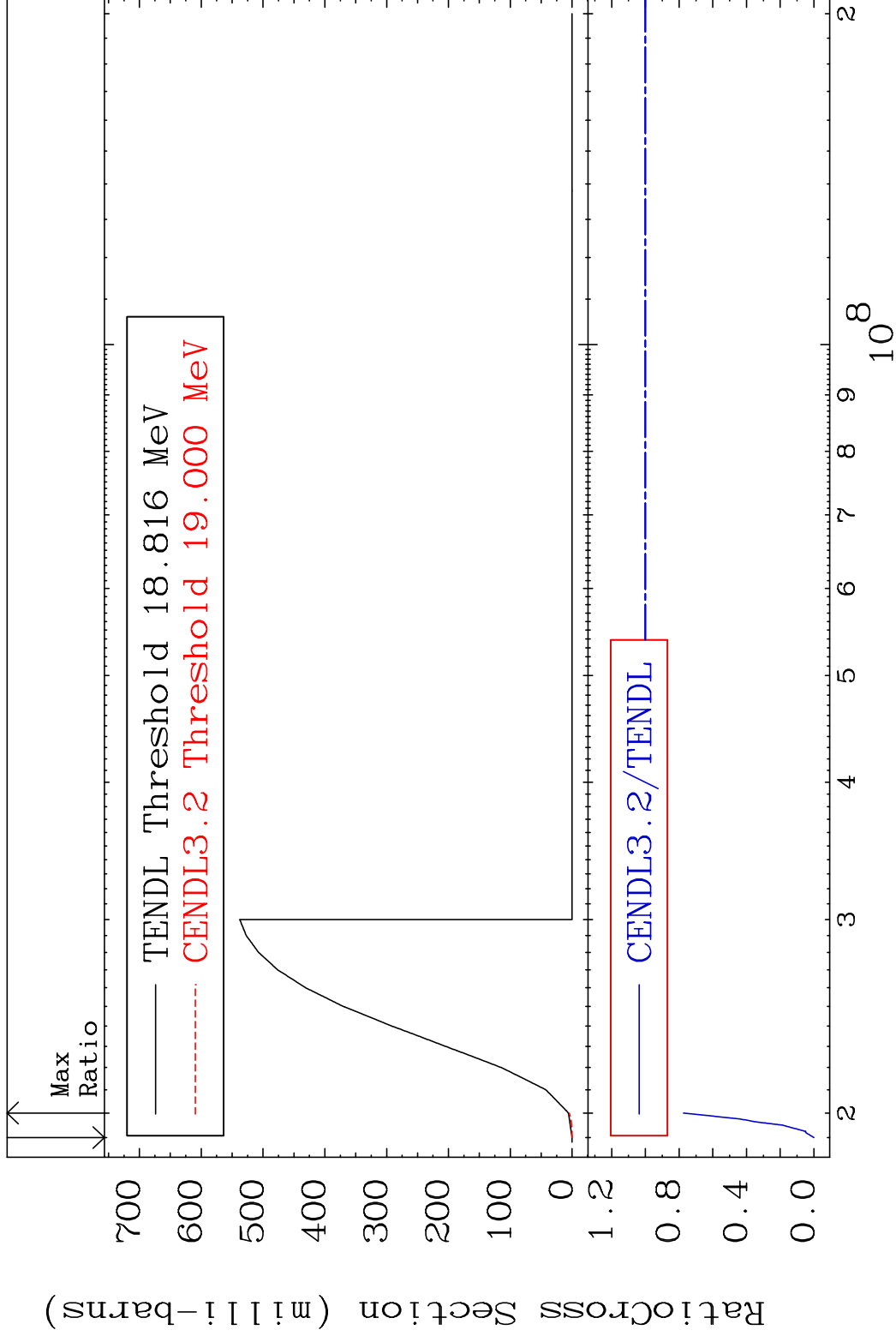
³⁴Se-77

MAT 3434

(n,3n)

³⁴Se-77

Cross Section -100.0 To -22.59%

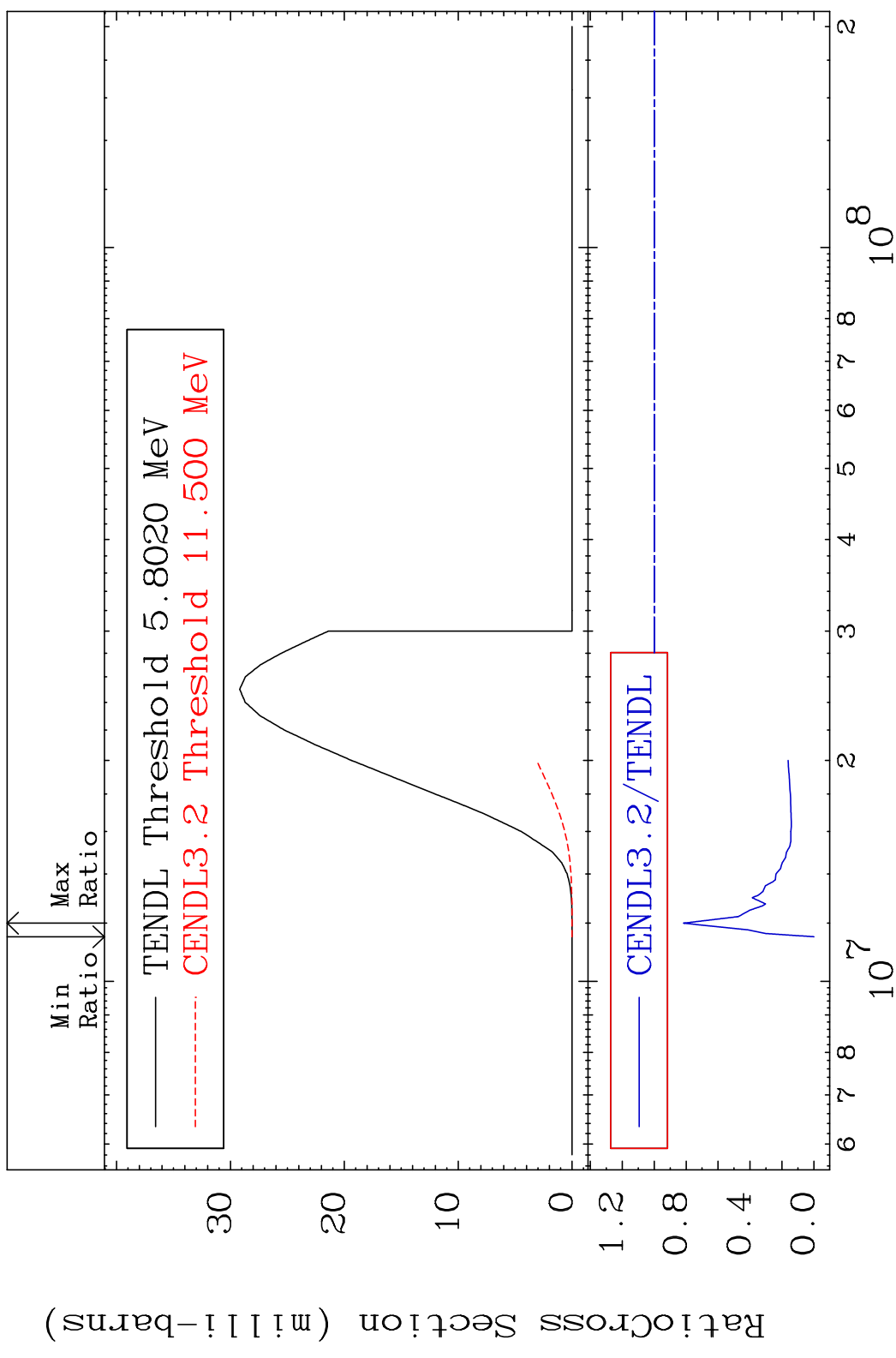


5

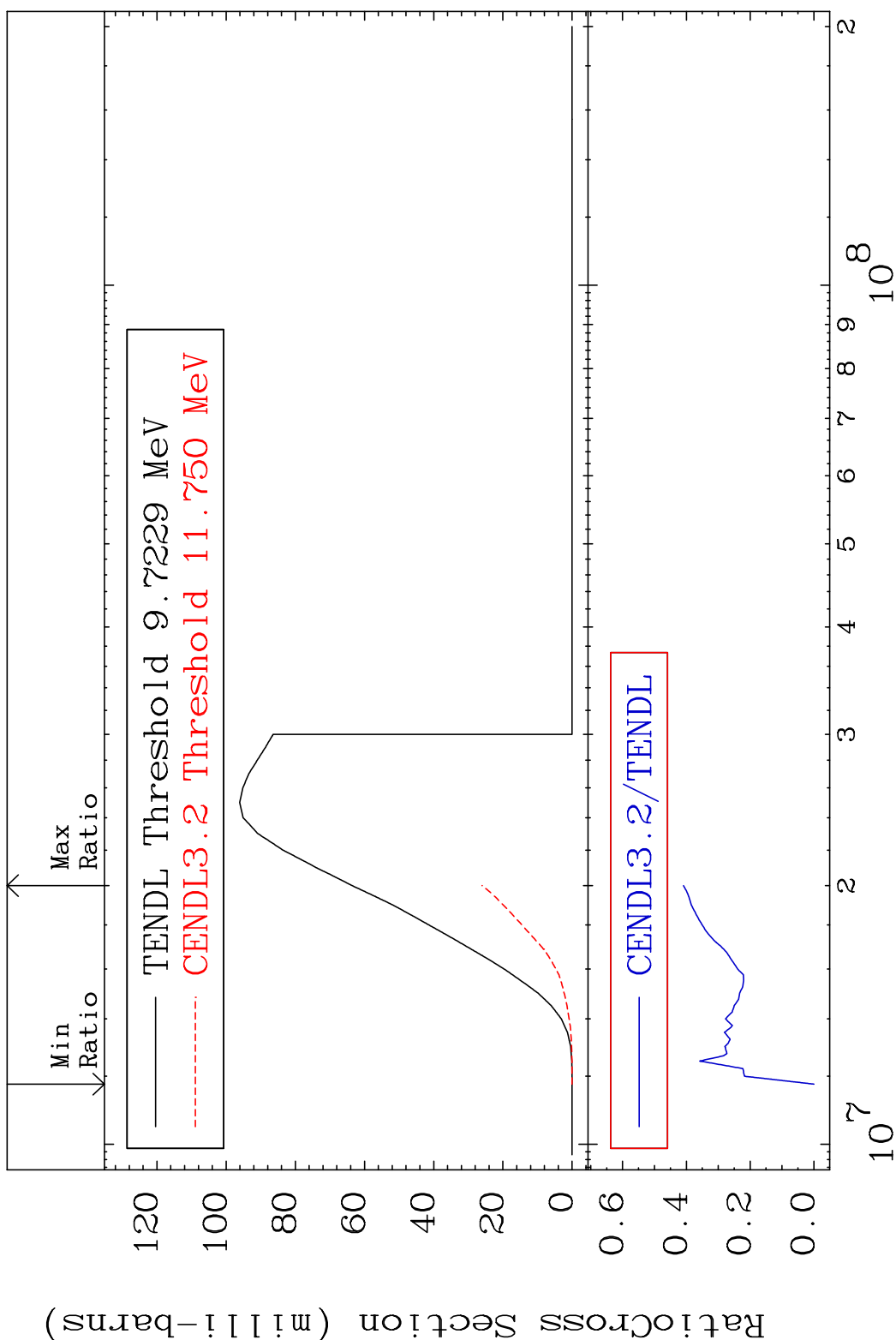
Incident Energy (eV)

³⁴Se-77

MAT 3434 (n, n') α ³⁴Se-77
 Cross Section -100.0 To -18.32%

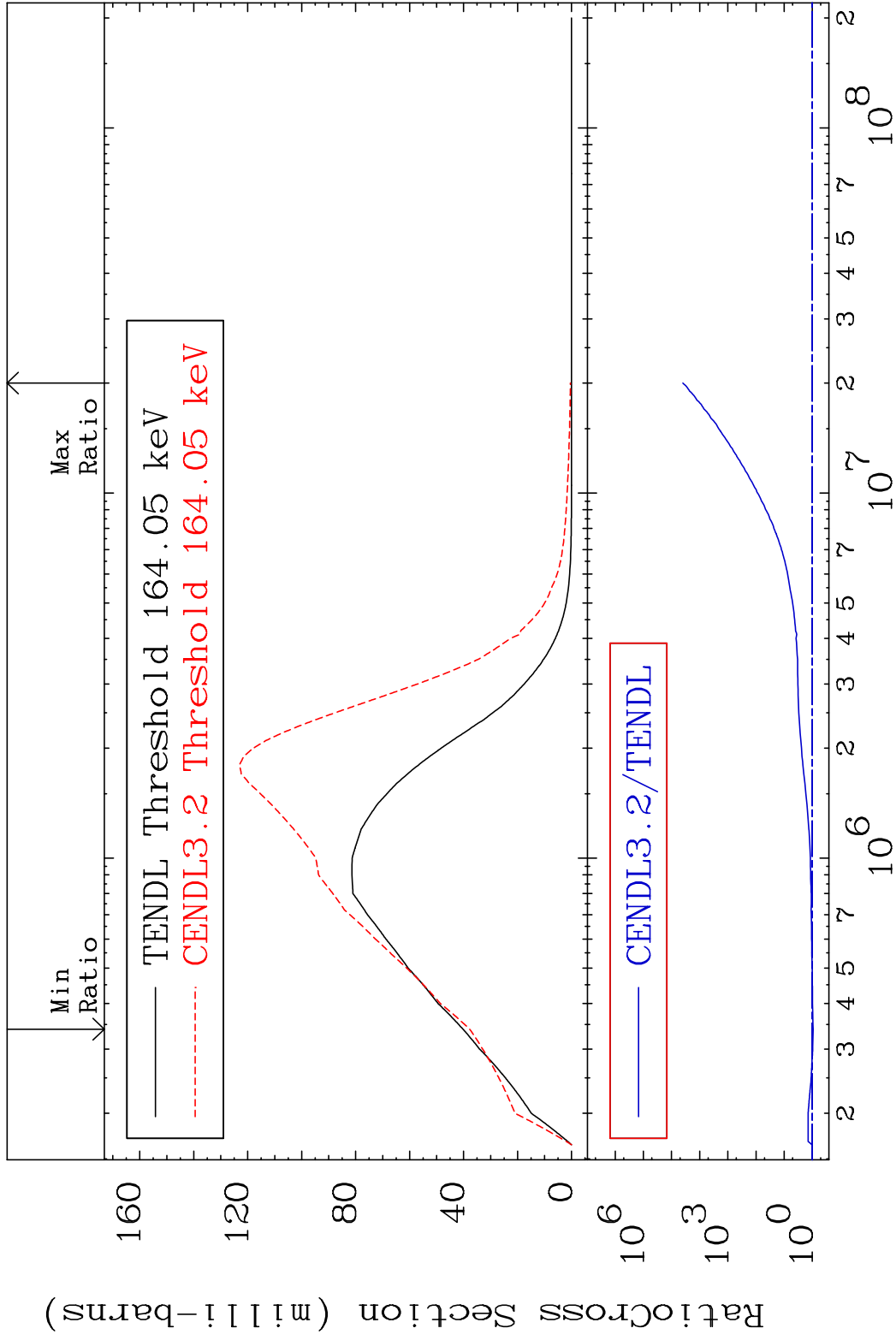


MAT 3434 (n, n') p 34-Se-77
 Cross Section -100.0 To -59.09%



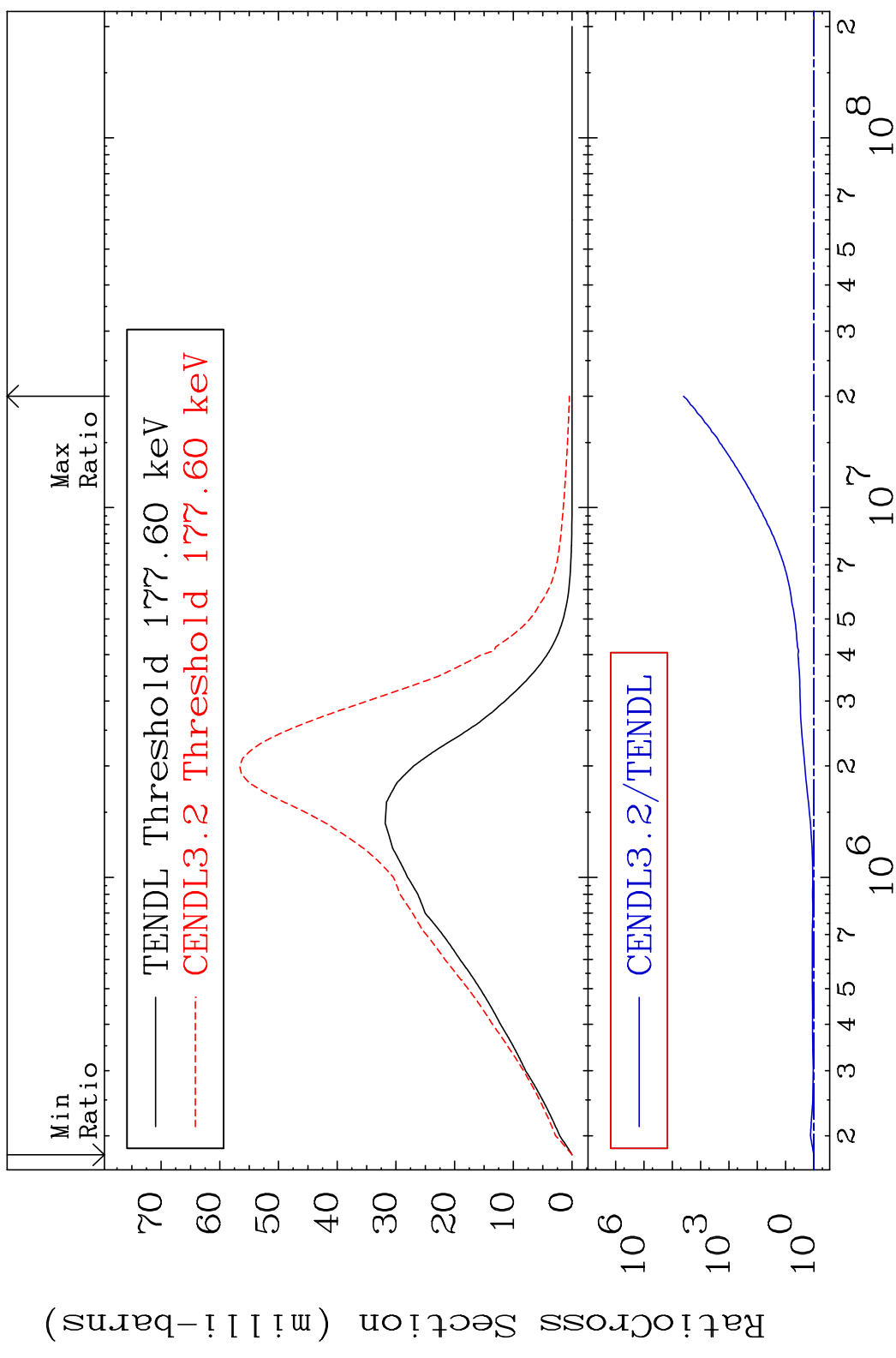
7 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 51 (n, n') Level 34-Se-77
Cross Section -6.238 To 9999. %

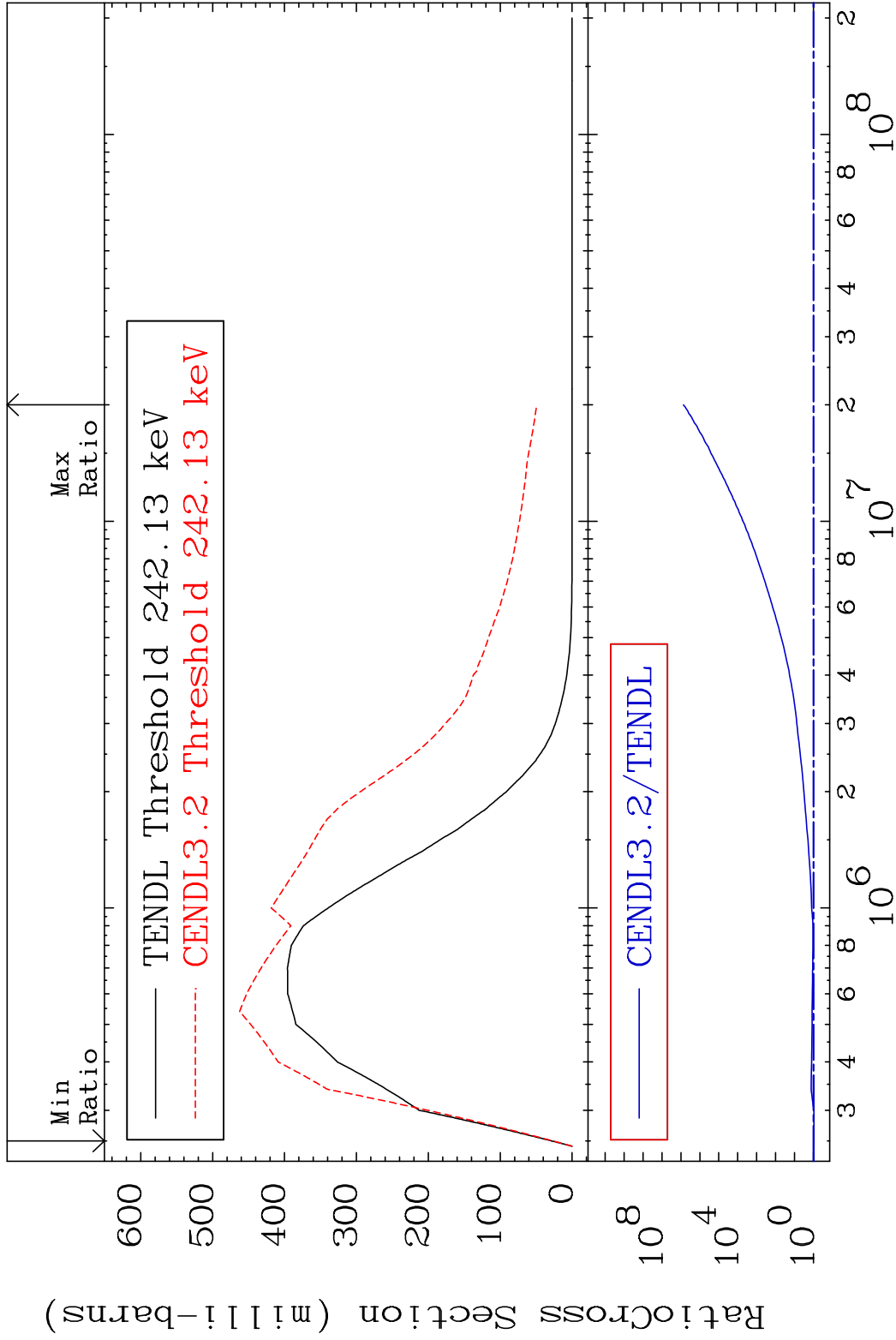


8 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 52 (n, n') Level 34-Se-77
 Cross Section 0.000 To 9999. %

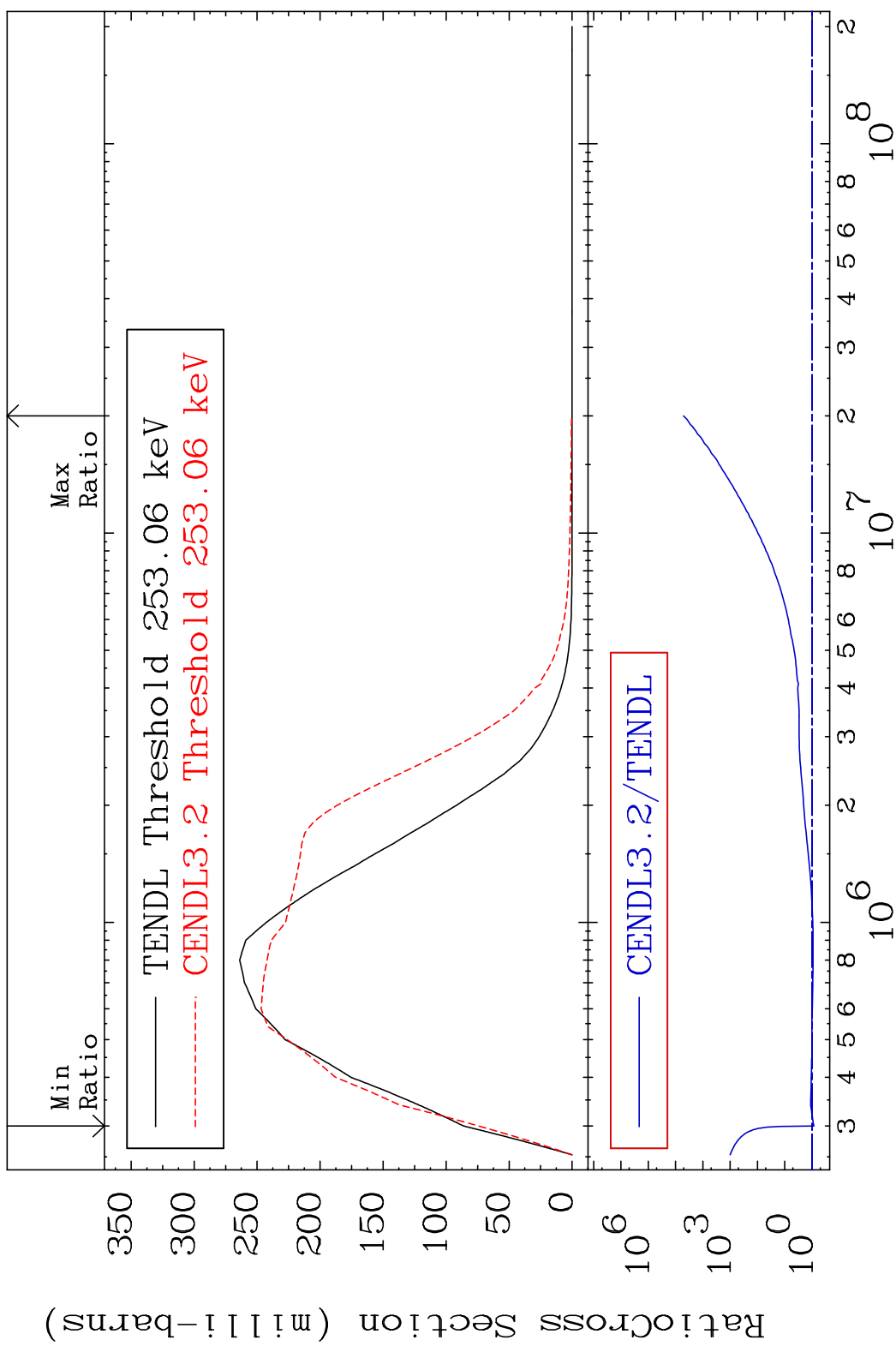


MAT 3434 MT= 53 (n, n') Level 34-Se-77
 Cross Section -5.378 To 9999. %

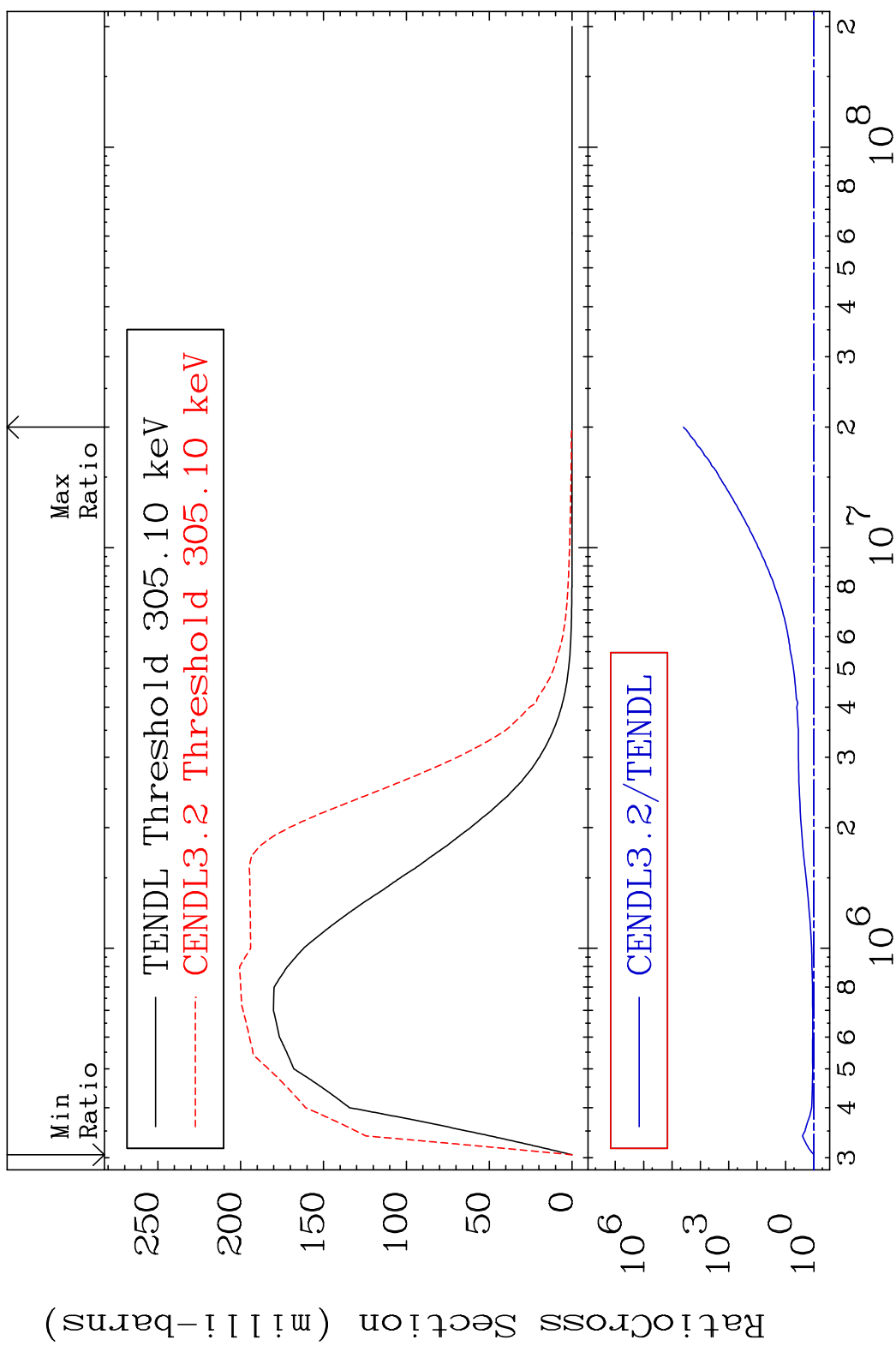


10 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 54 (n, n') Level 34-Se-77
 Cross Section -14.05 To 9999. %

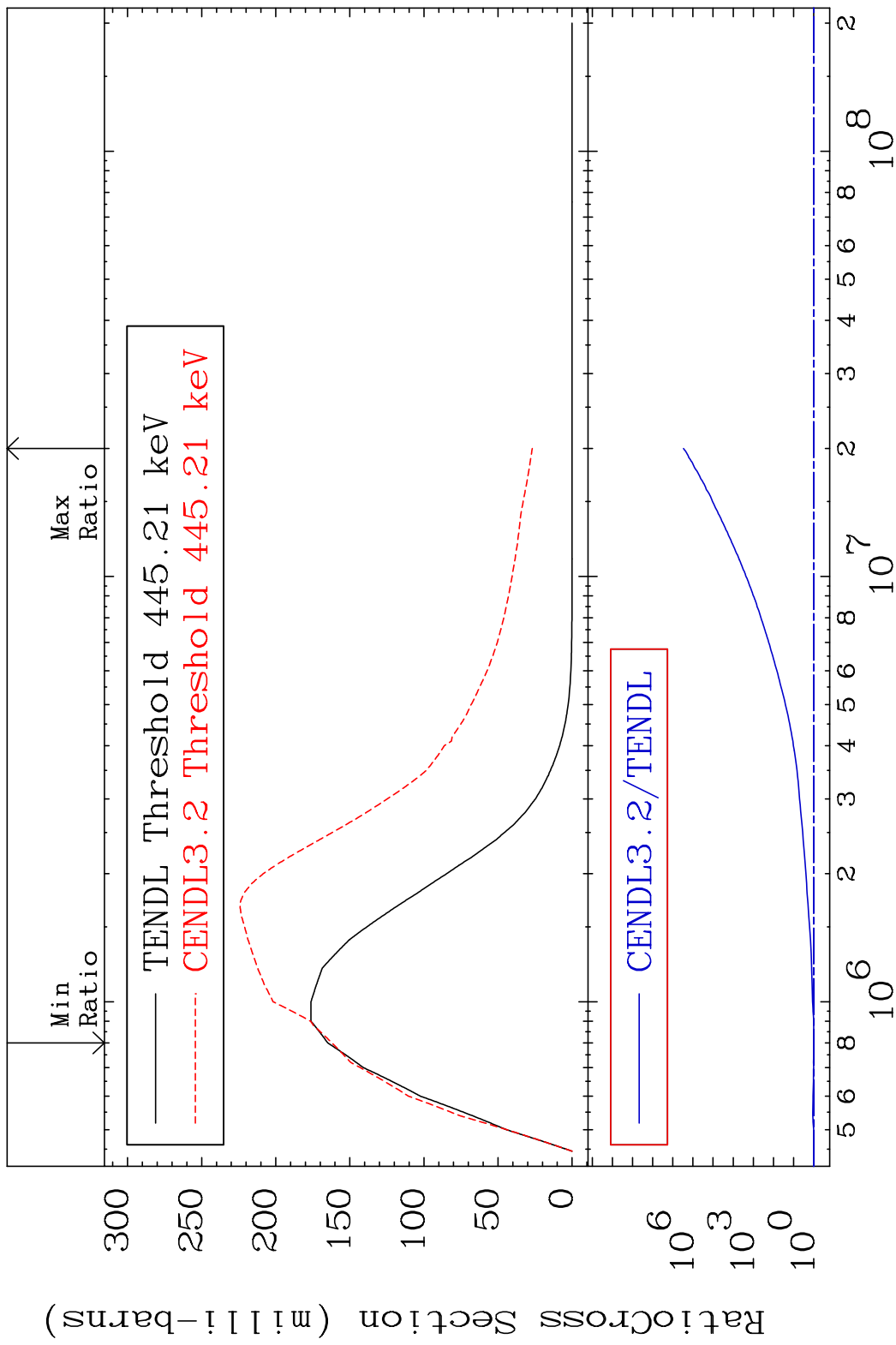


MAT 3434 MT= 55 (n, n') Level 34-Se-77
 Cross Section 0.000 To 9999. %



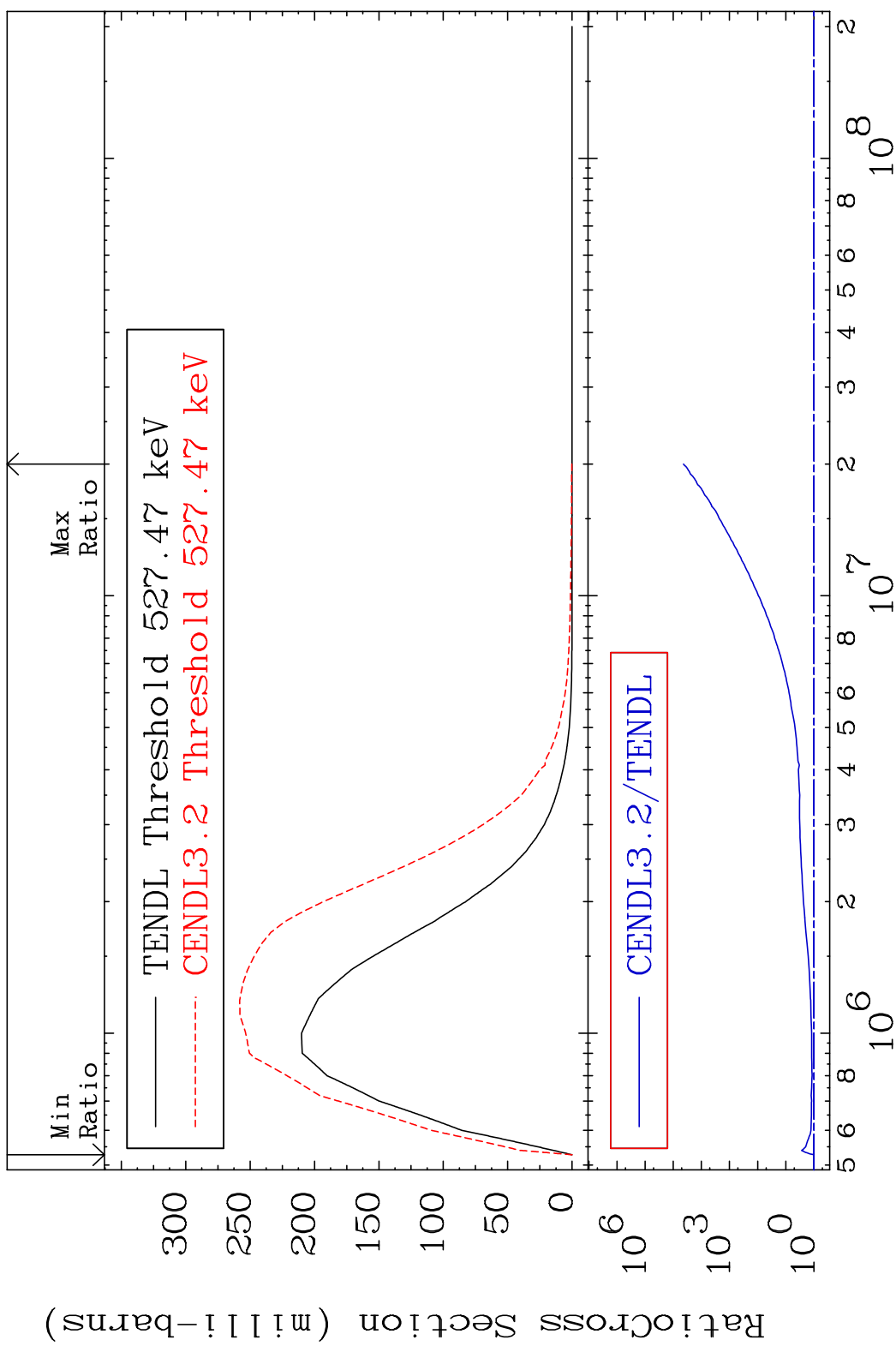
12 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 56 (n, n') Level 34-Se-77
 Cross Section -1.728 To 9999. %



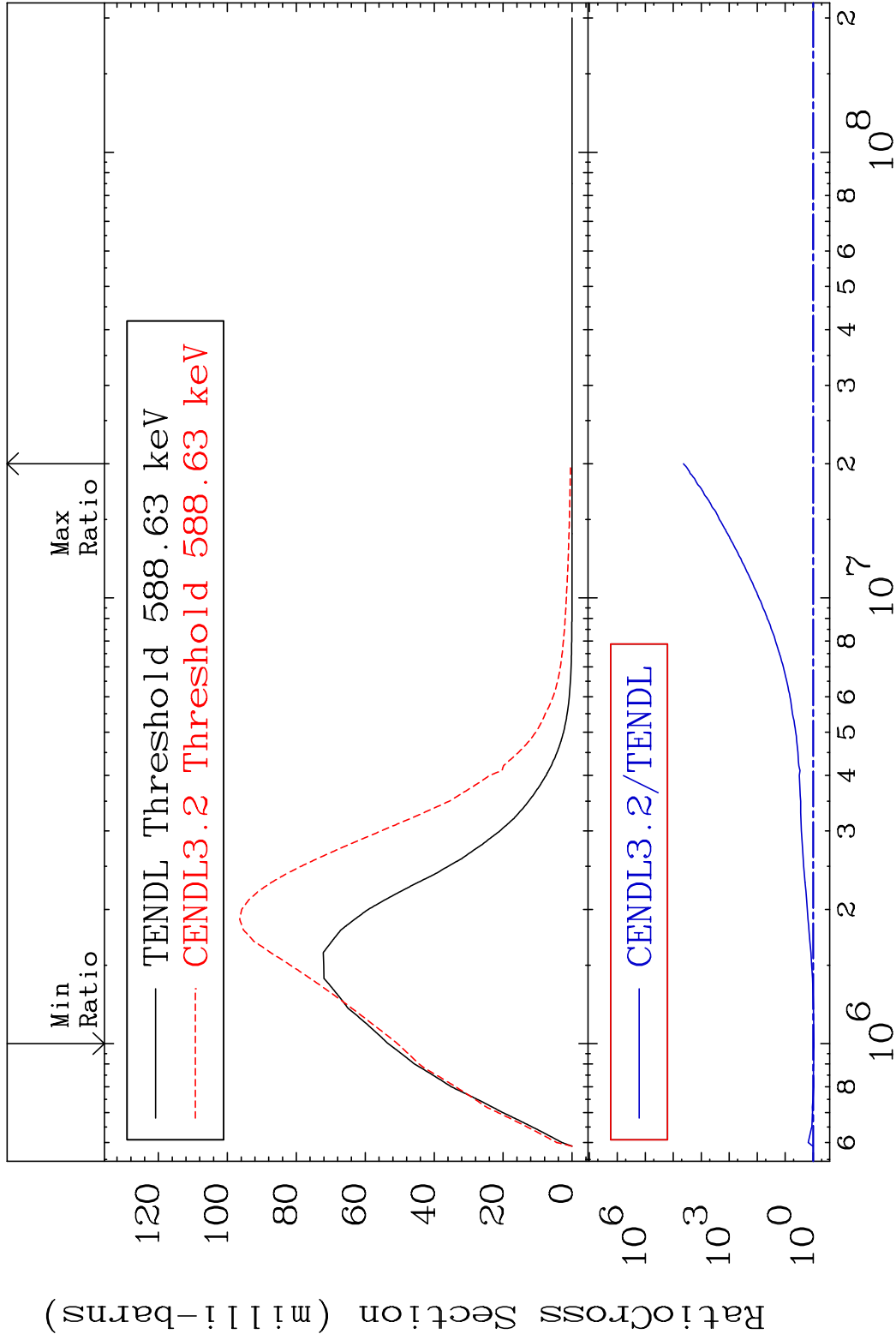
13 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 57 (n, n') Level 34-Se-77
 Cross Section 0.000 To 9999. %



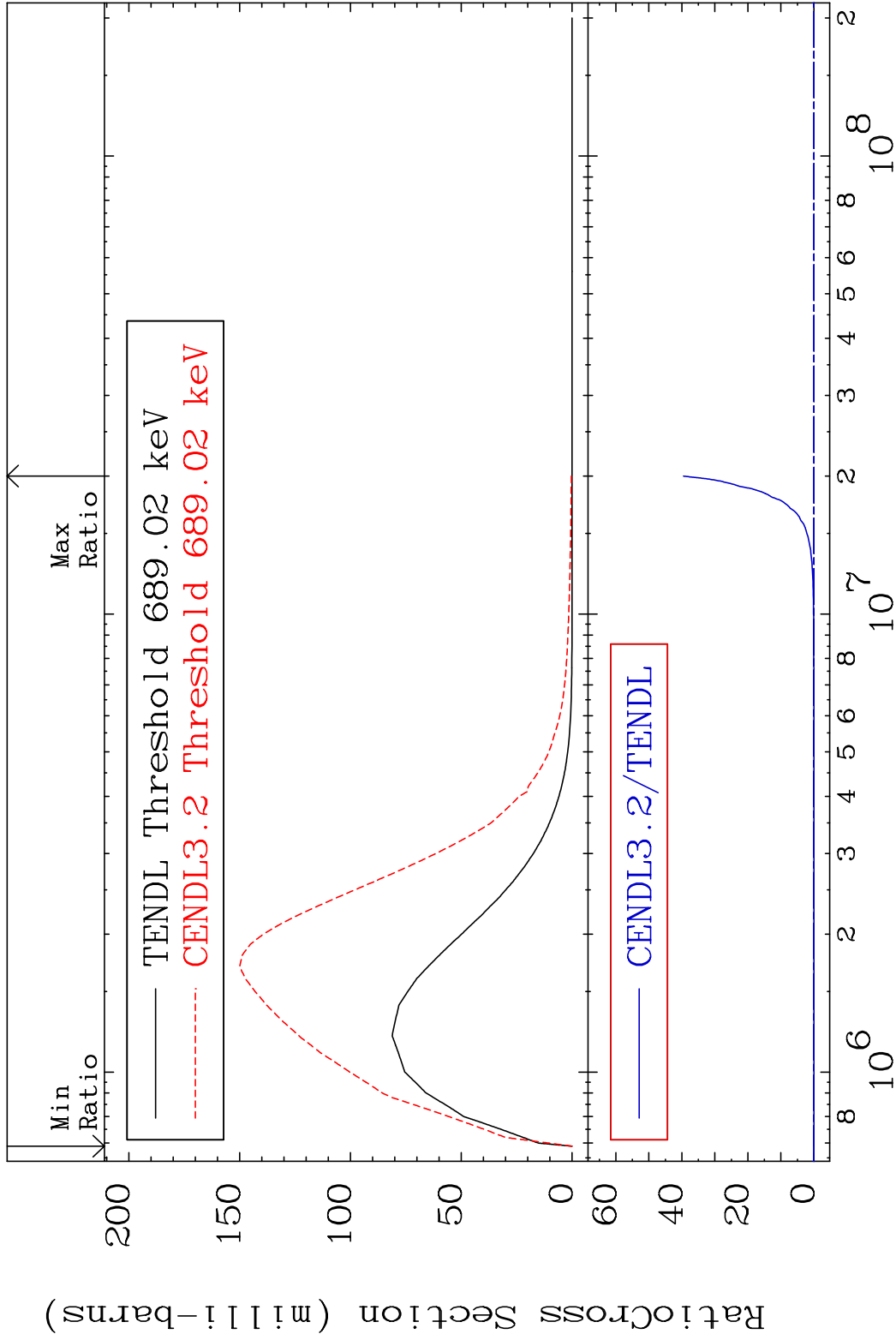
14 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 58 (n, n') Level 34-Se-77
 Cross Section -5.050 To 9999. %



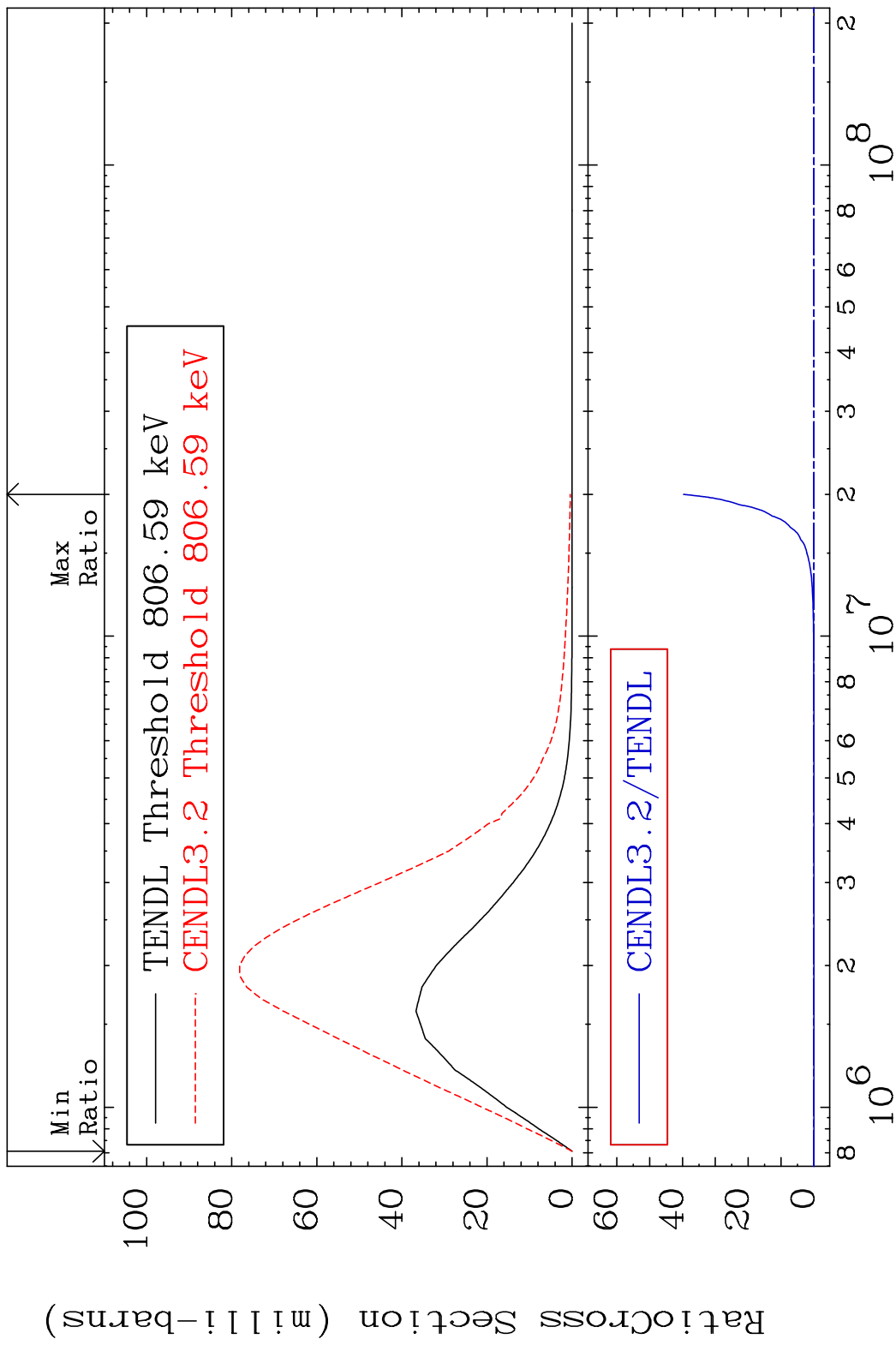
15 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 59 (n, n') Level 34-Se-77
 Cross Section -100.0 To 9999. %



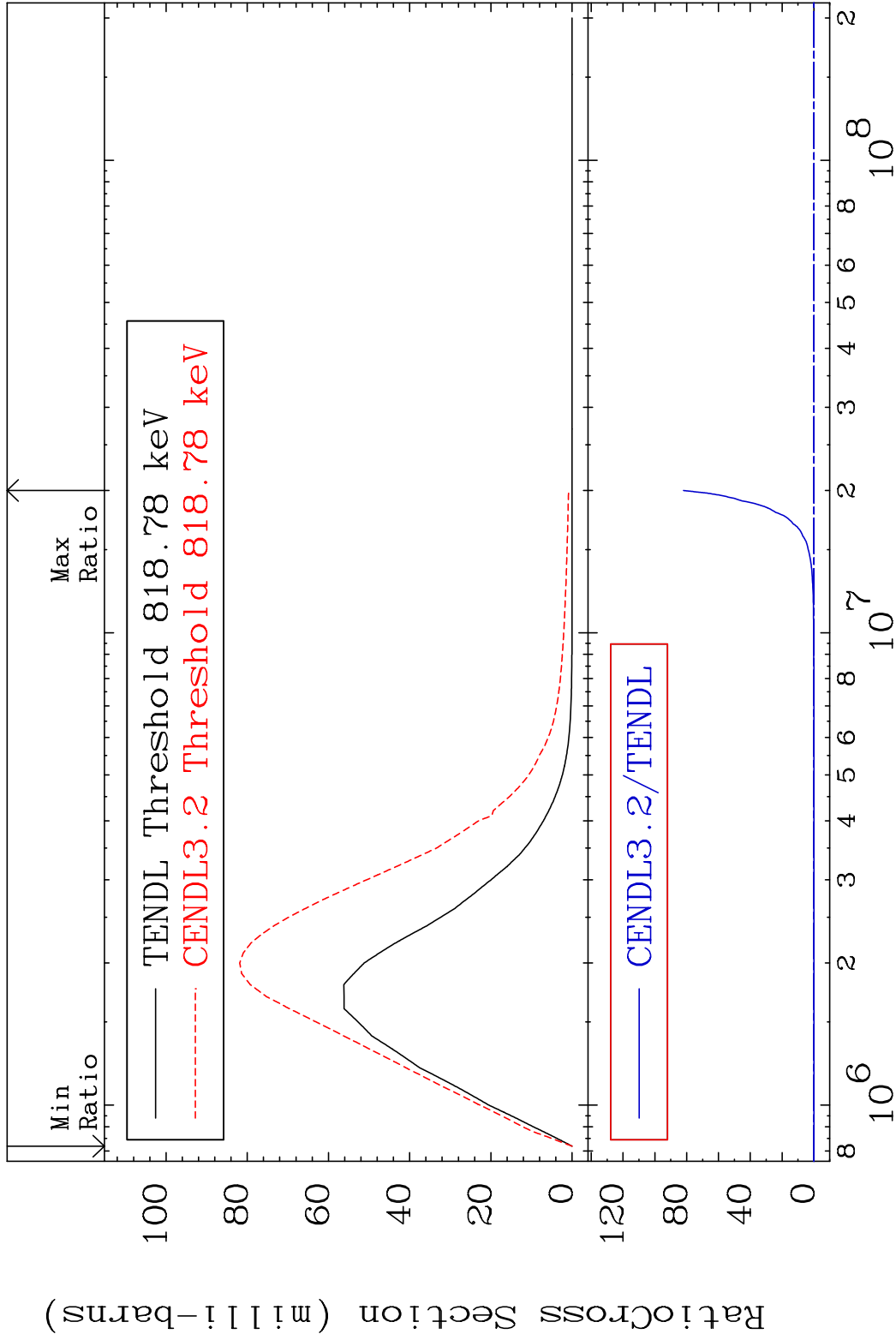
16 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 60 (n, n') Level 34-Se-77
 Cross Section -100.0 To 9999. %



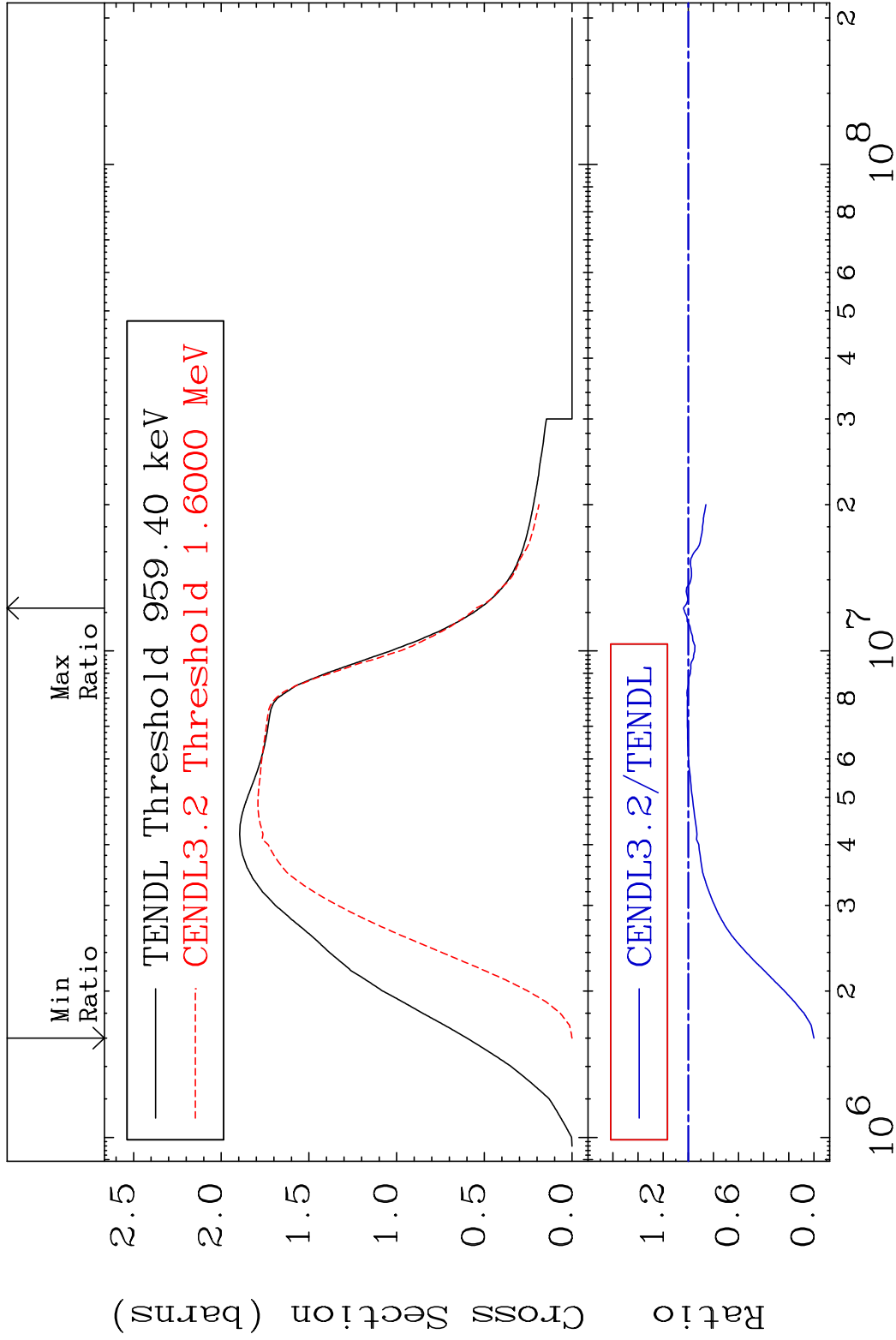
17 34-Se-77

MAT 3434 MT= 61 (n, n') Level 34-Se-77
 Cross Section -100.0 To 9999. %



18 34-Se-77

MAT 3434 (n, n') Continuum 34-Se-77
 Cross Section -100.0 To 3.778 %



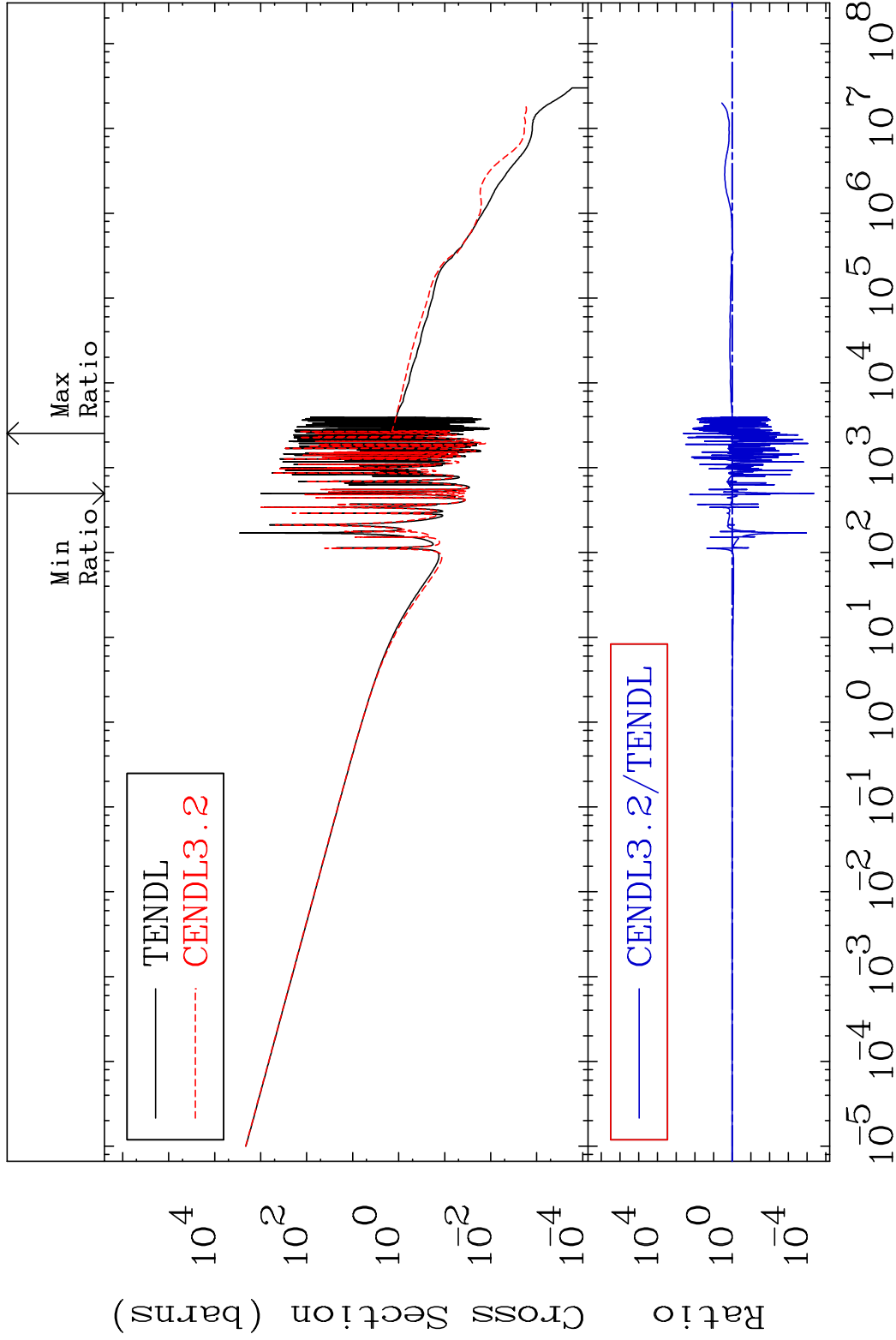
19 34-Se-77

MAT 3434

(n, γ)

³⁴Se-77

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

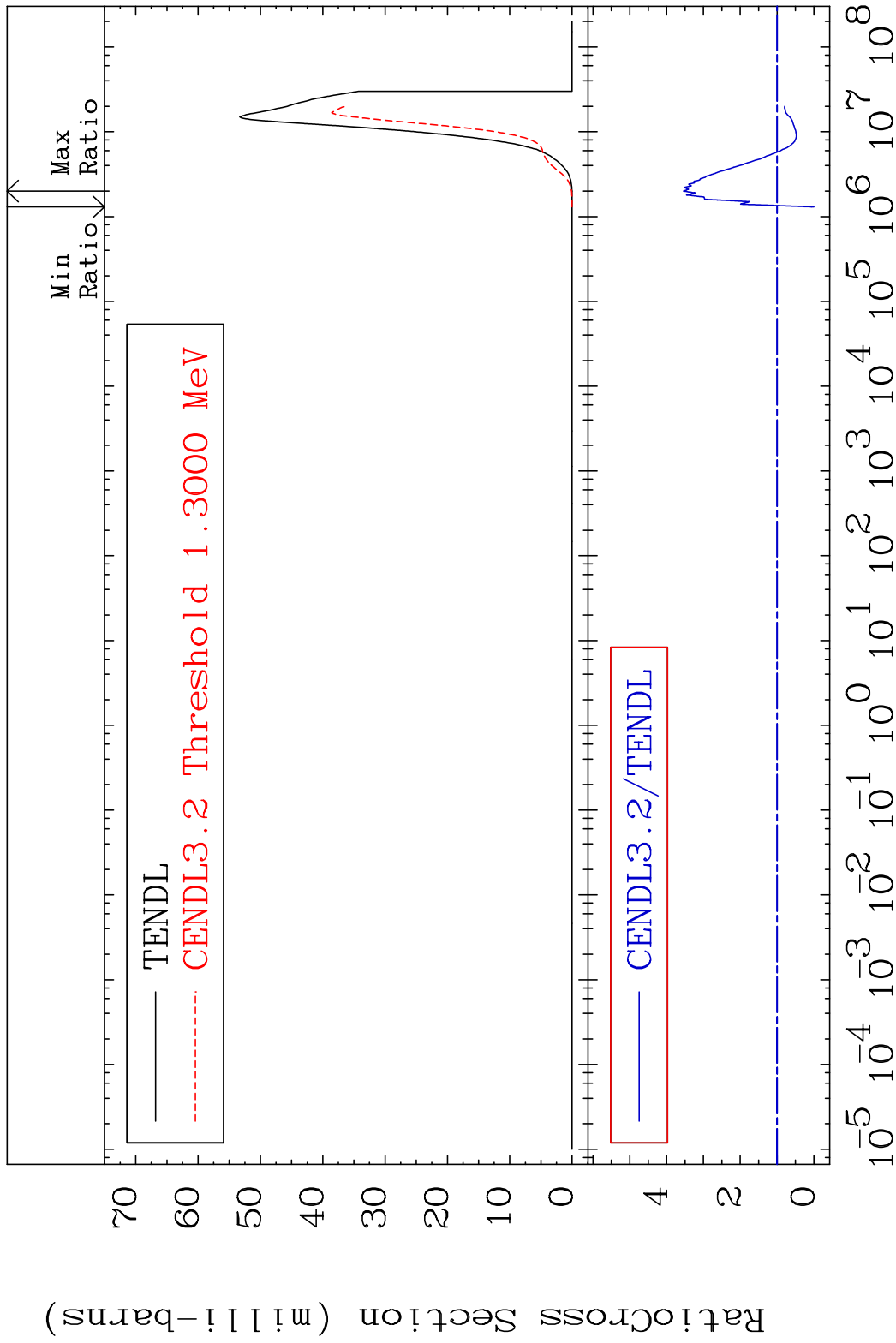
³⁴Se-77

MAT 3434

(n, p)

³⁴Se-77

Cross Section -100.0 To 254.3 %

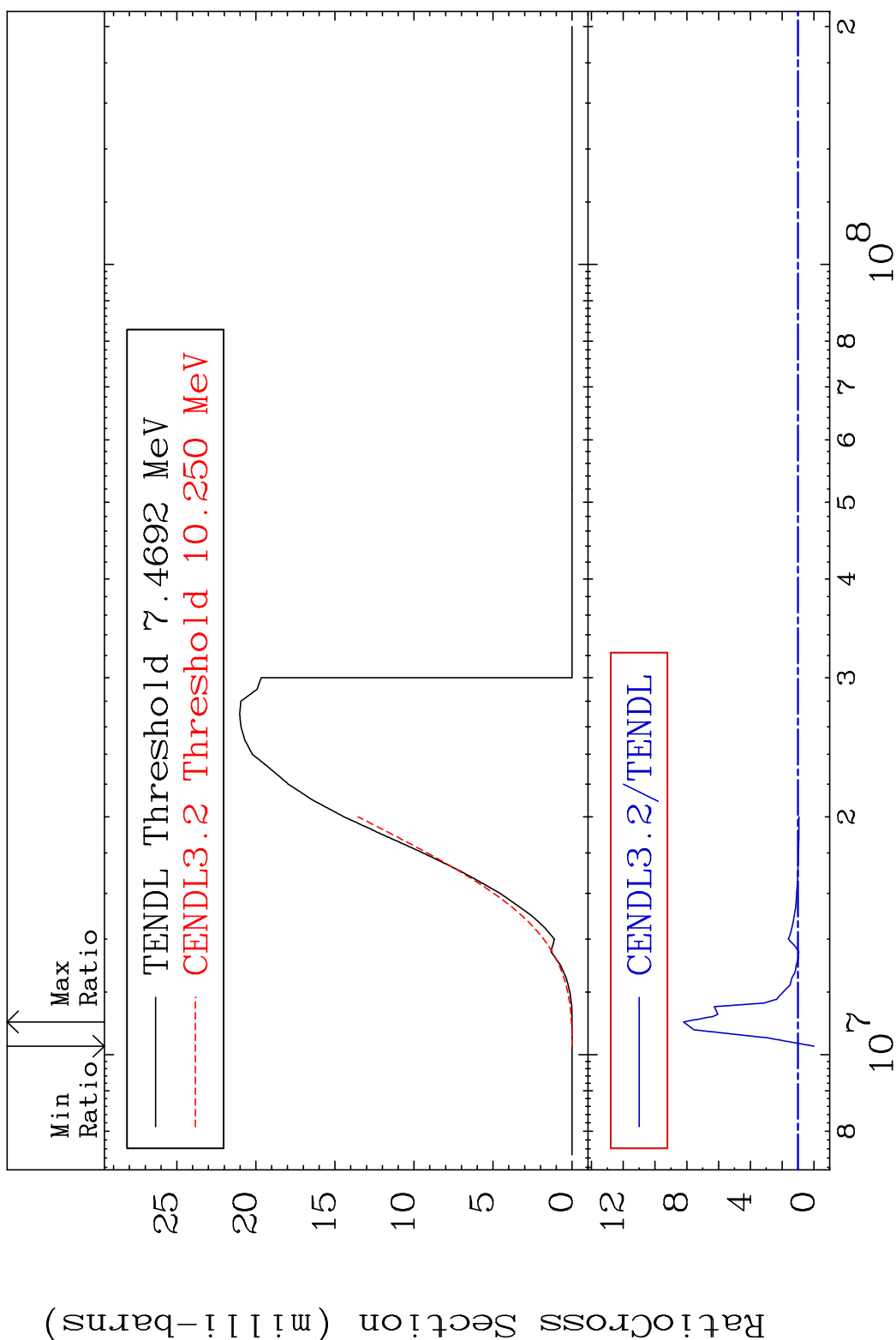


21

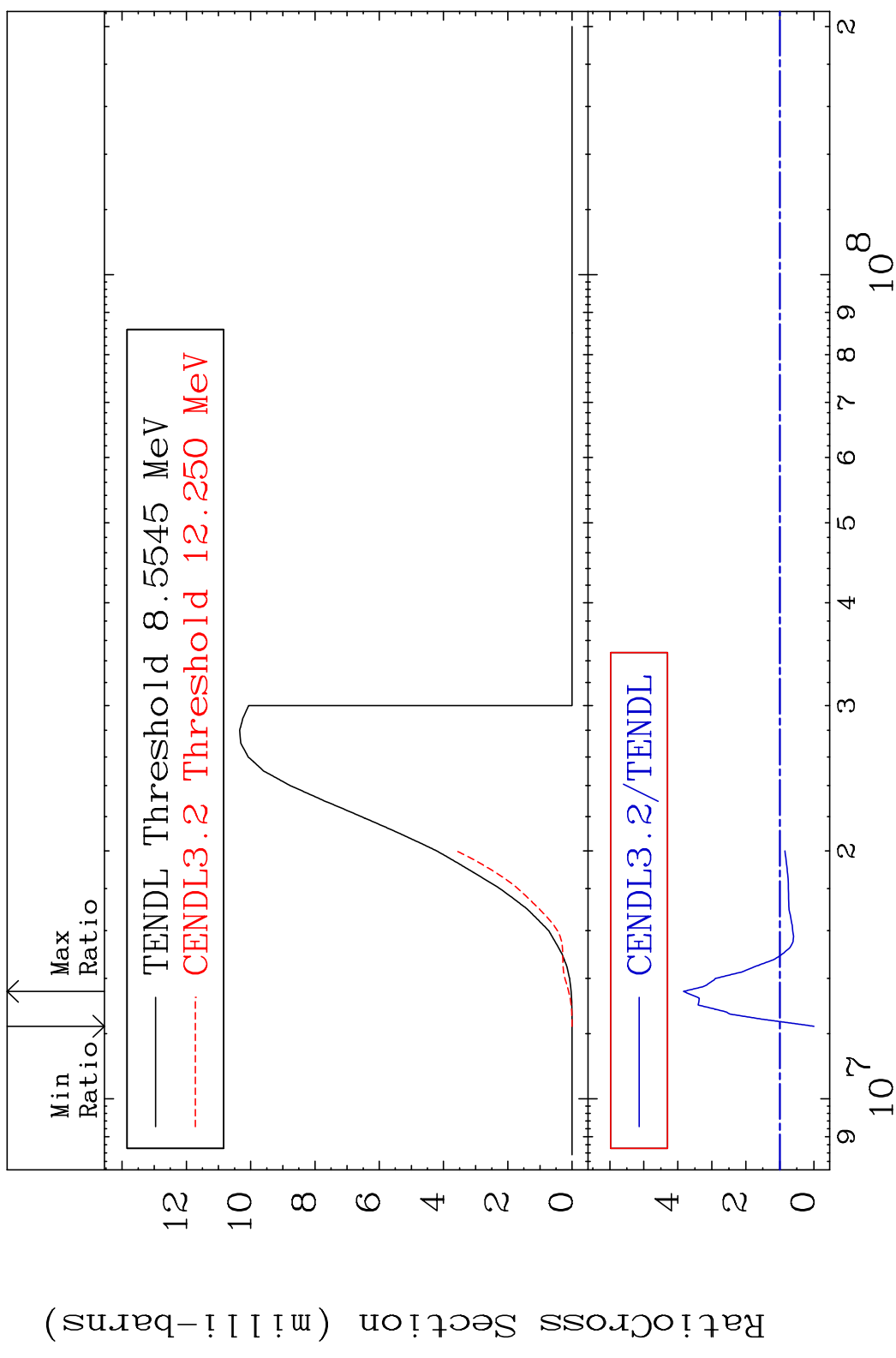
Incident Energy (eV)

³⁴Se-77

MAT 3434 (n, d) ³⁴Se-77
 Cross Section -100.0 To 721.1 %



MAT 3434 (n, t) 34-Se-77
 Cross Section -100.0 To 283.5 %

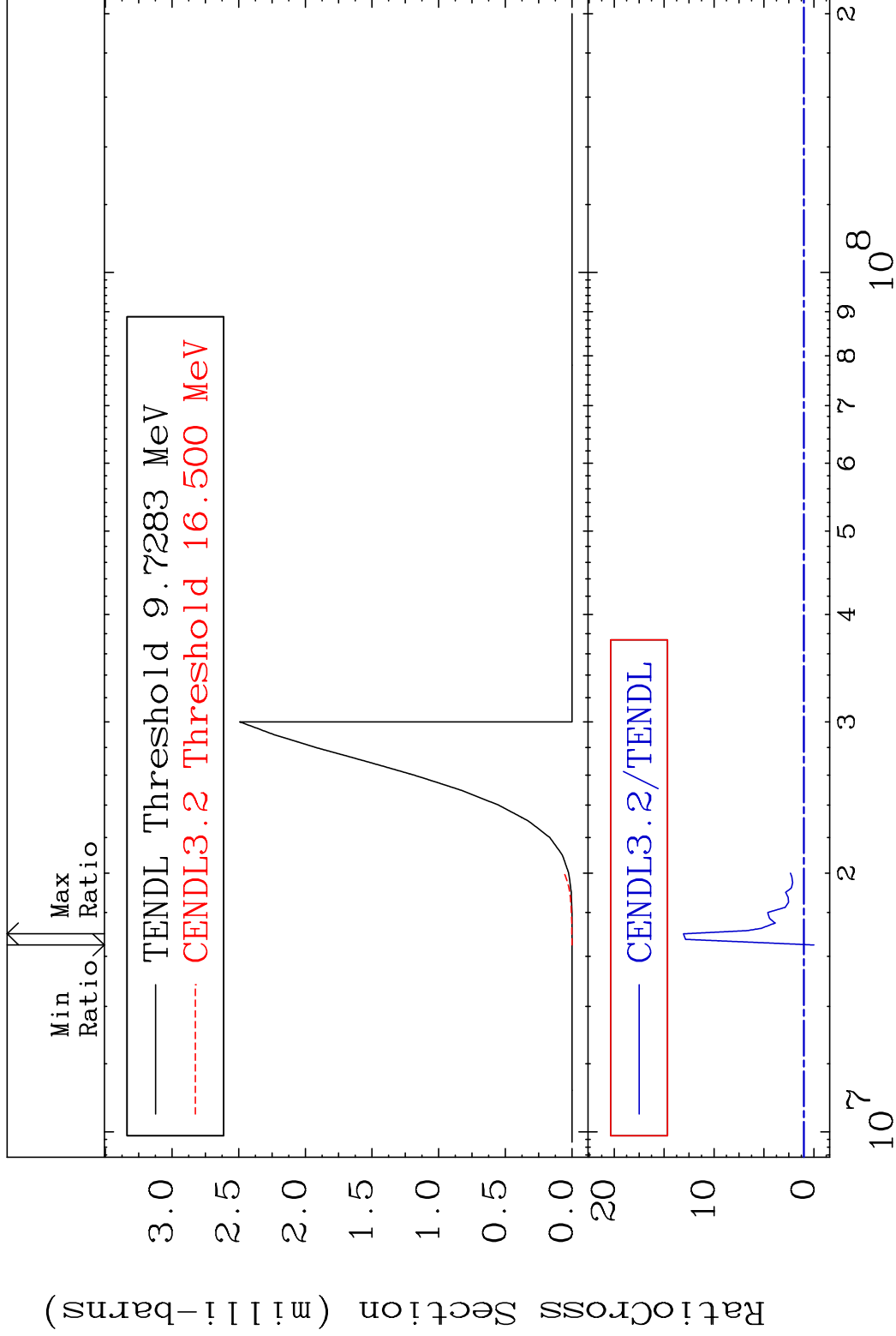


MAT 3434

(n, He-3)

34-Se-77

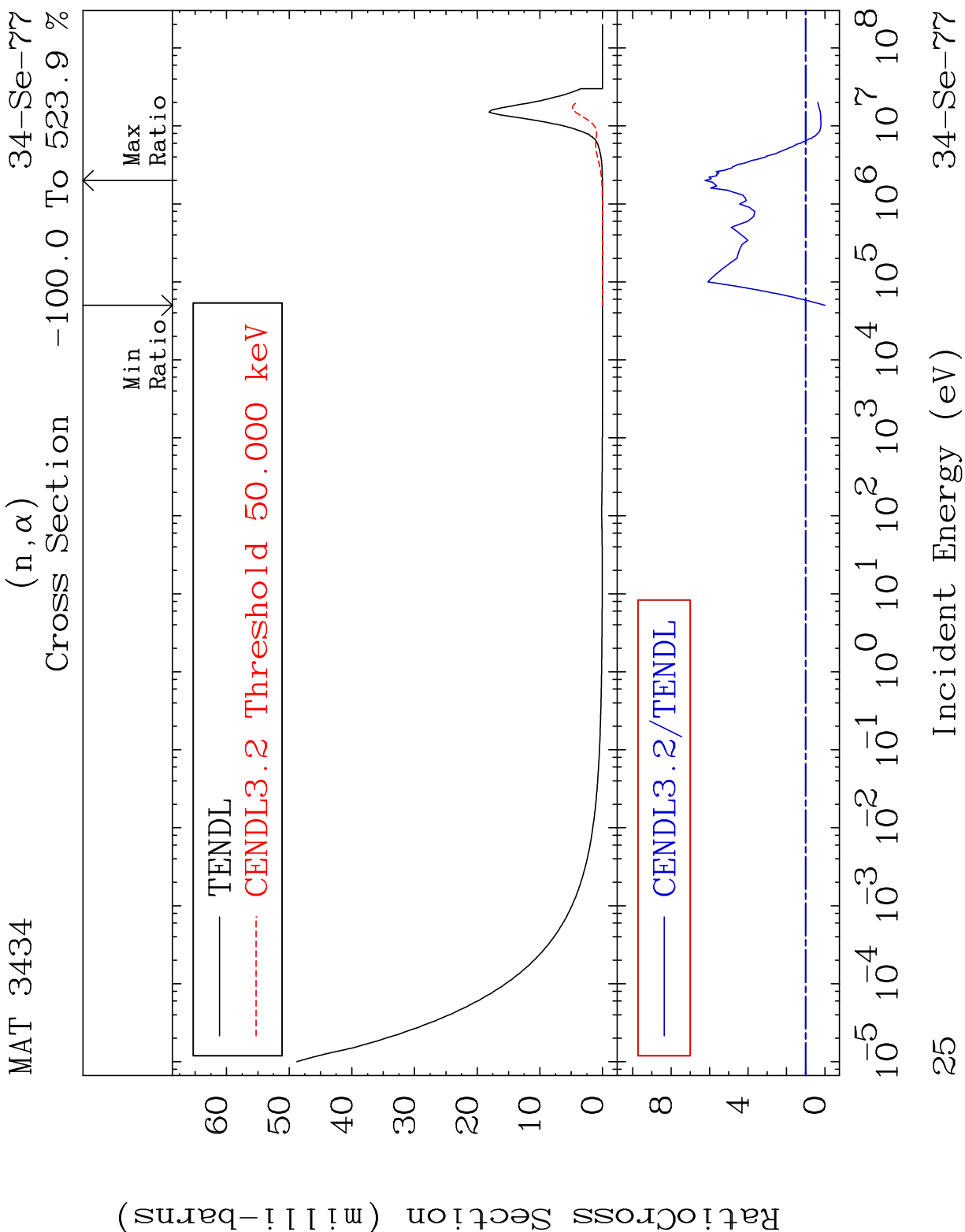
Cross Section -100.0 To 1206. %



24

Incident Energy (eV)

34-Se-77

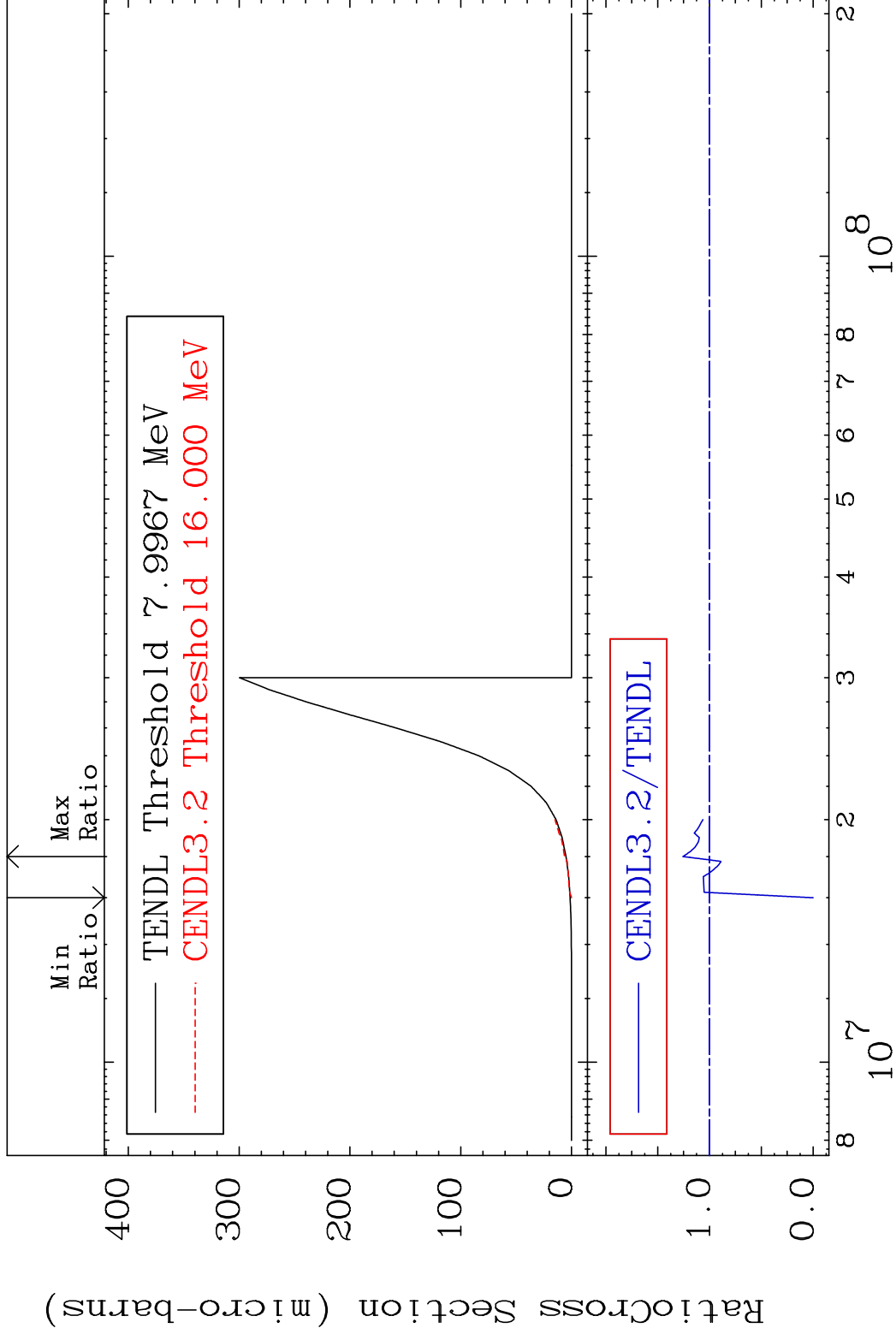


MAT 3434

(n,2p)

³⁴Se-77

Cross Section -100.0 To 25.78 %



26

Incident Energy (eV)

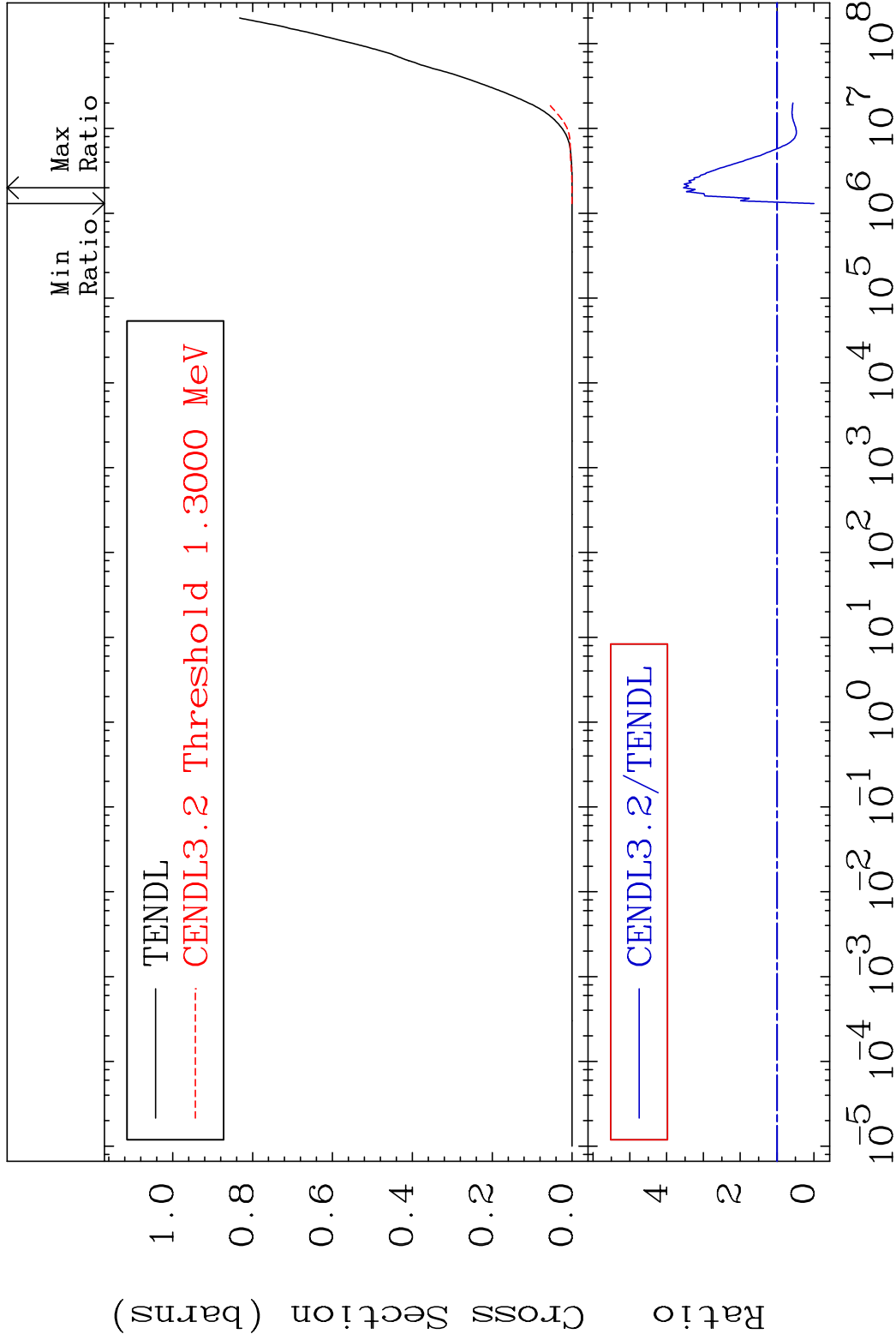
³⁴Se-77

MAT 3434

Hydrogen Production

34-Se-77

Cross Section -100.0 To 254.3 %

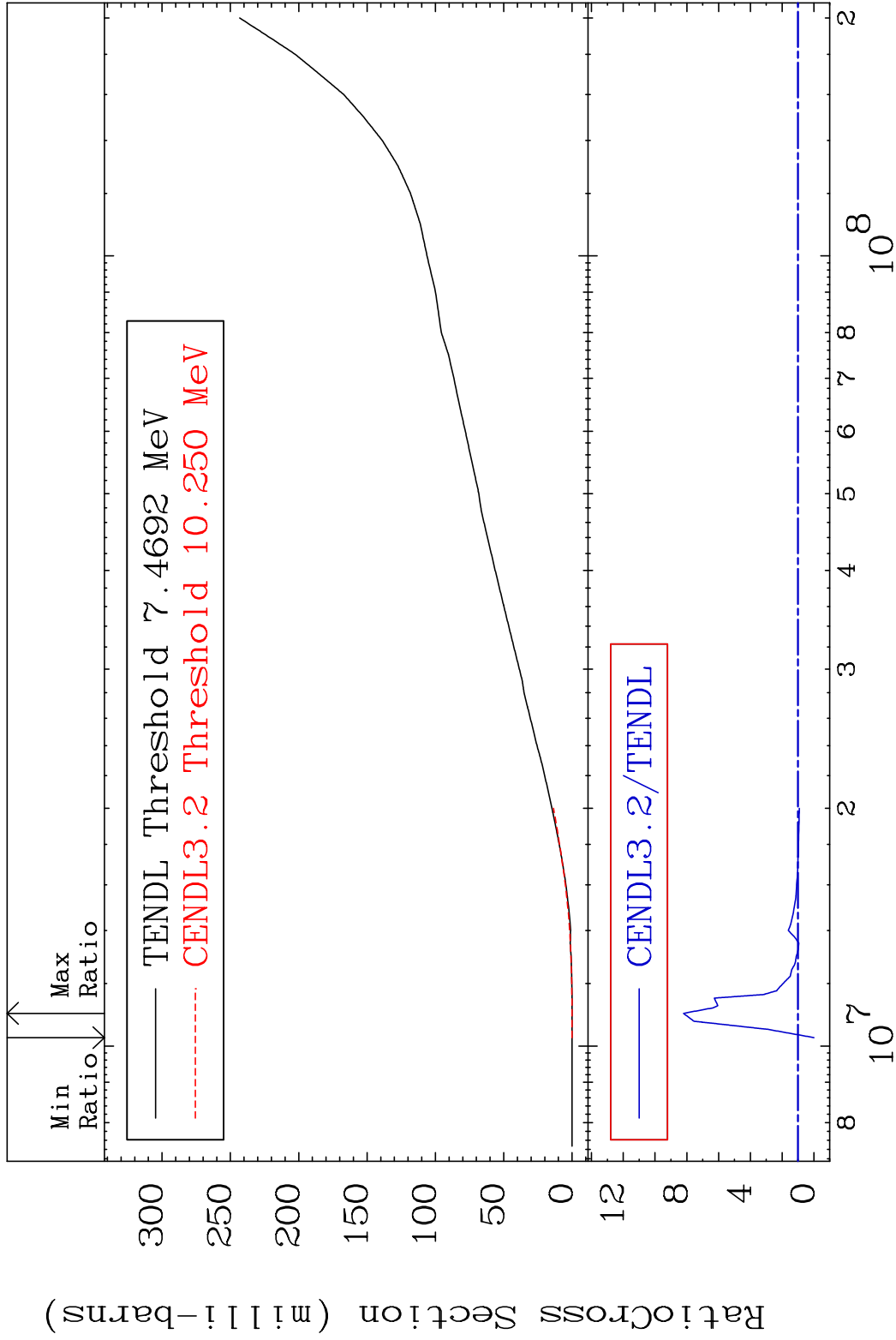


27

Incident Energy (eV)

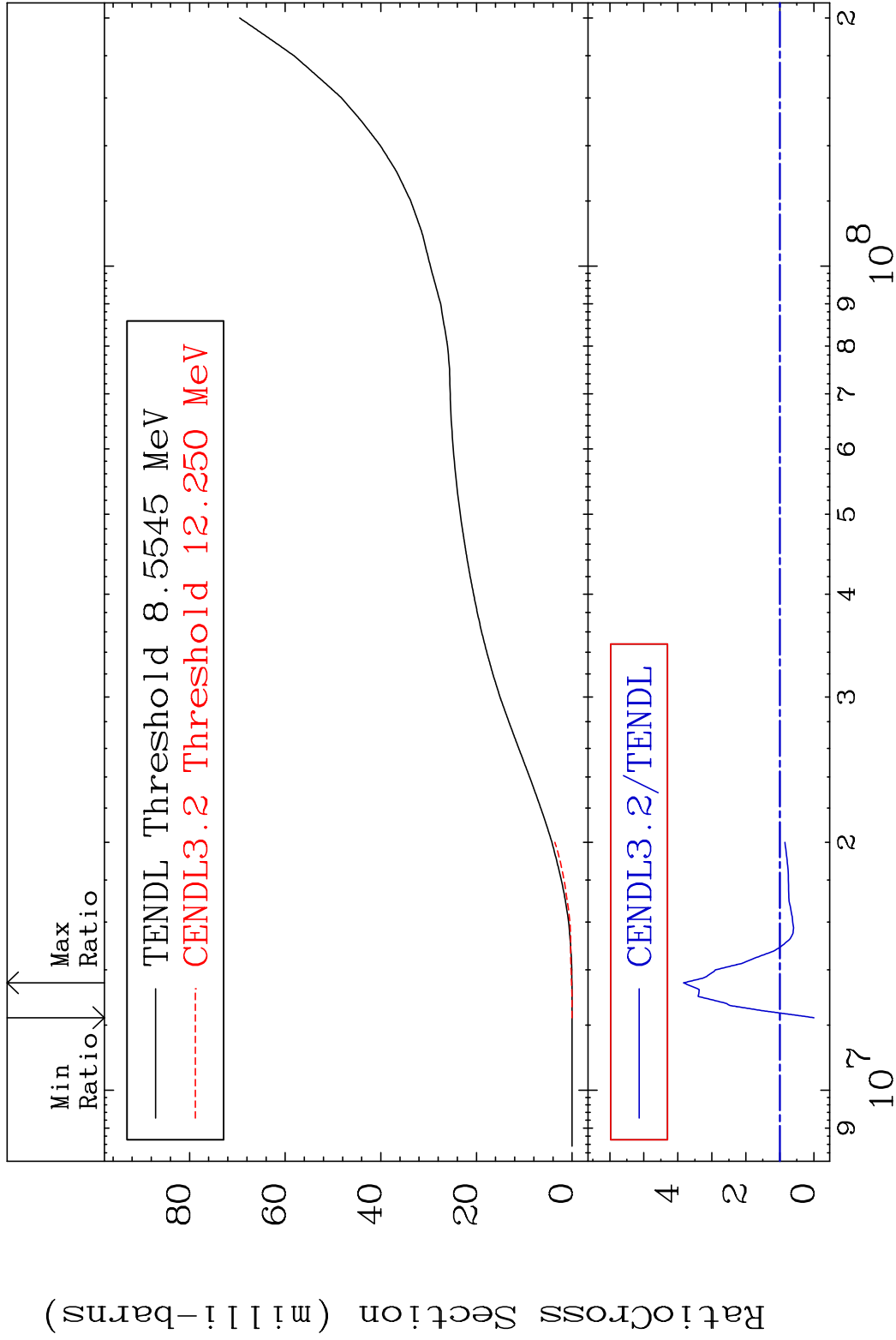
34-Se-77

MAT 3434 Deuterium Production ³⁴Se-77
 Cross Section -100.0 To 721.1 %



28 34-^{Se}-77

MAT 3434 Tritium Production 34-Se-77
 Cross Section -100.0 To 283.5 %

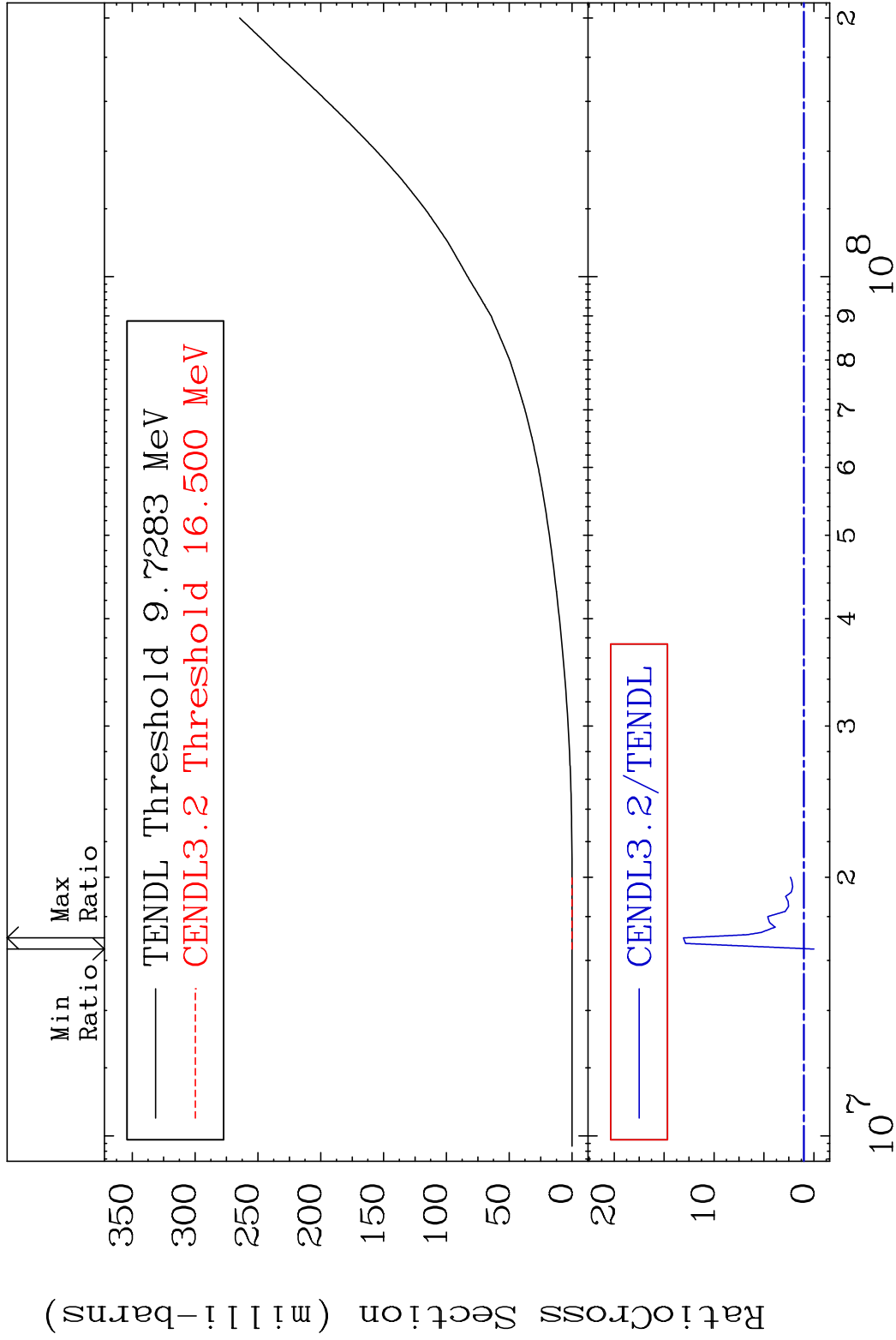


MAT 3434

He-3 Production

34-Se-77

Cross Section -100.0 To 1206. %



30

Incident Energy (eV)

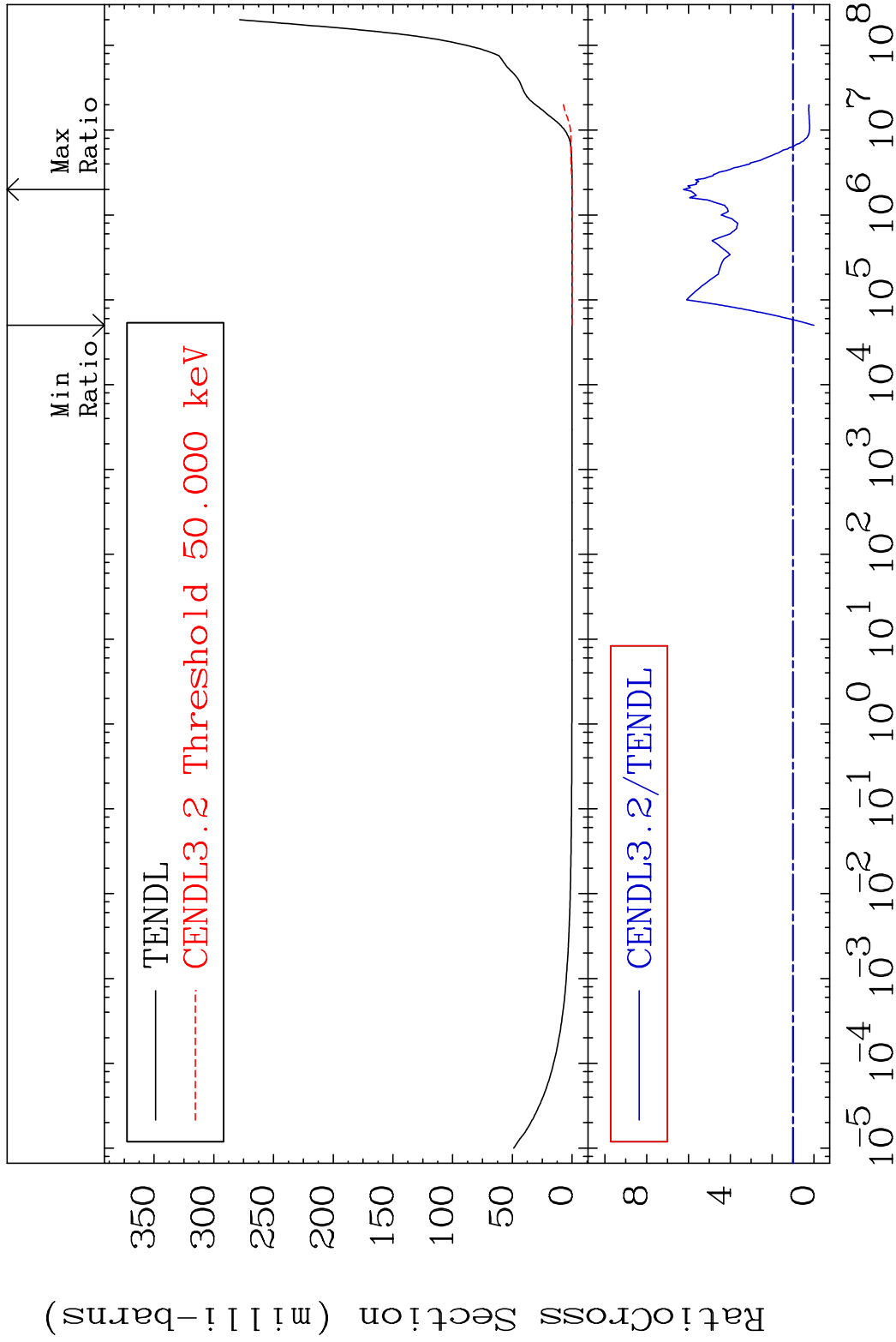
34-Se-77

MAT 3434

He-4 Production

34-Se-77

Cross Section -100.0 To 523.9 %

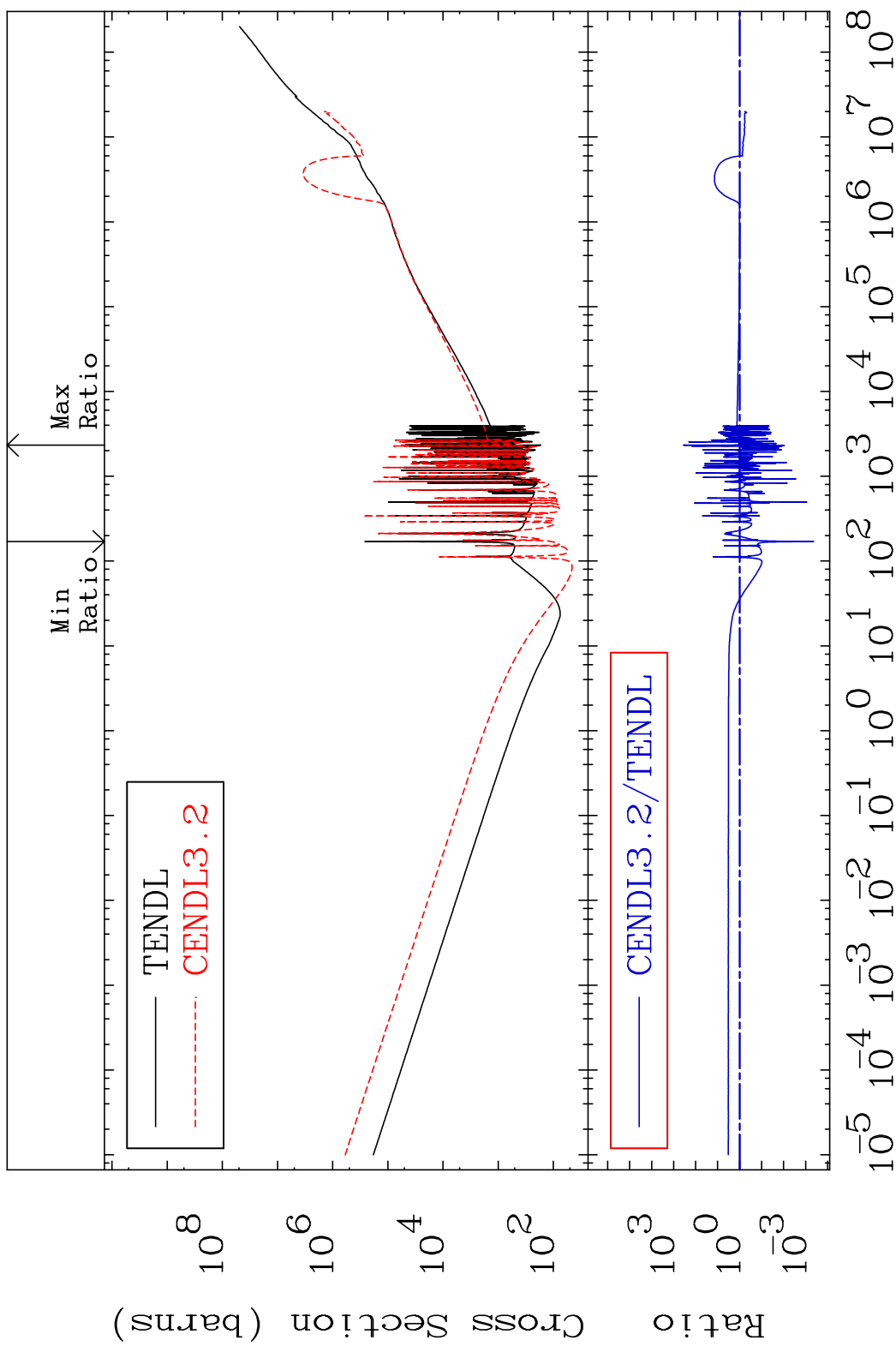


31

Incident Energy (eV)

34-Se-77

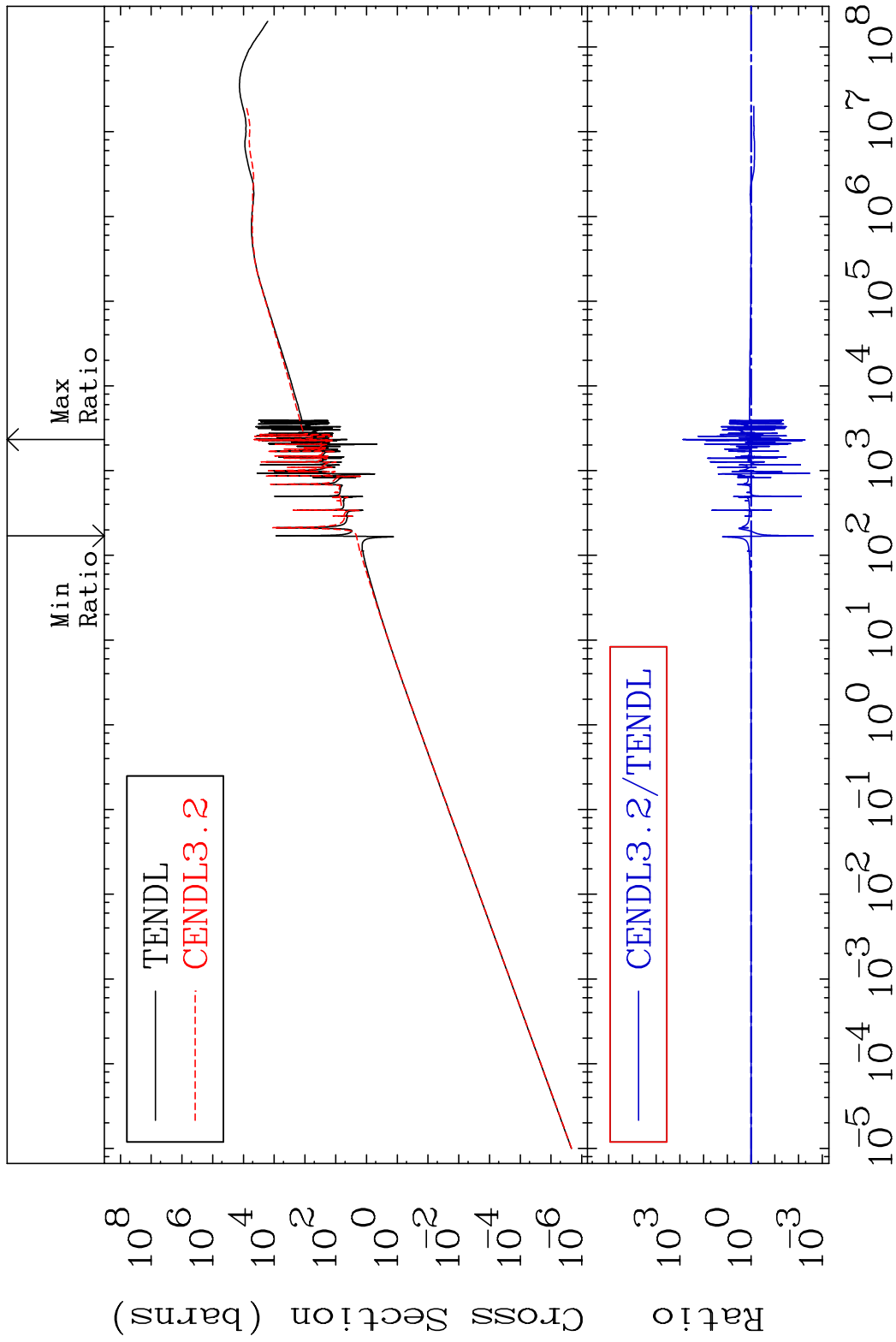
MAT 3434 Kerma total (eV-barns) 34-Se-77
 Cross Section -99.96 To 9999. %



32 Incident Energy (eV) 34-Se-77

MAT 3434

Kerma elastic Cross Section -99.76 To 9999. %
34-Se-77

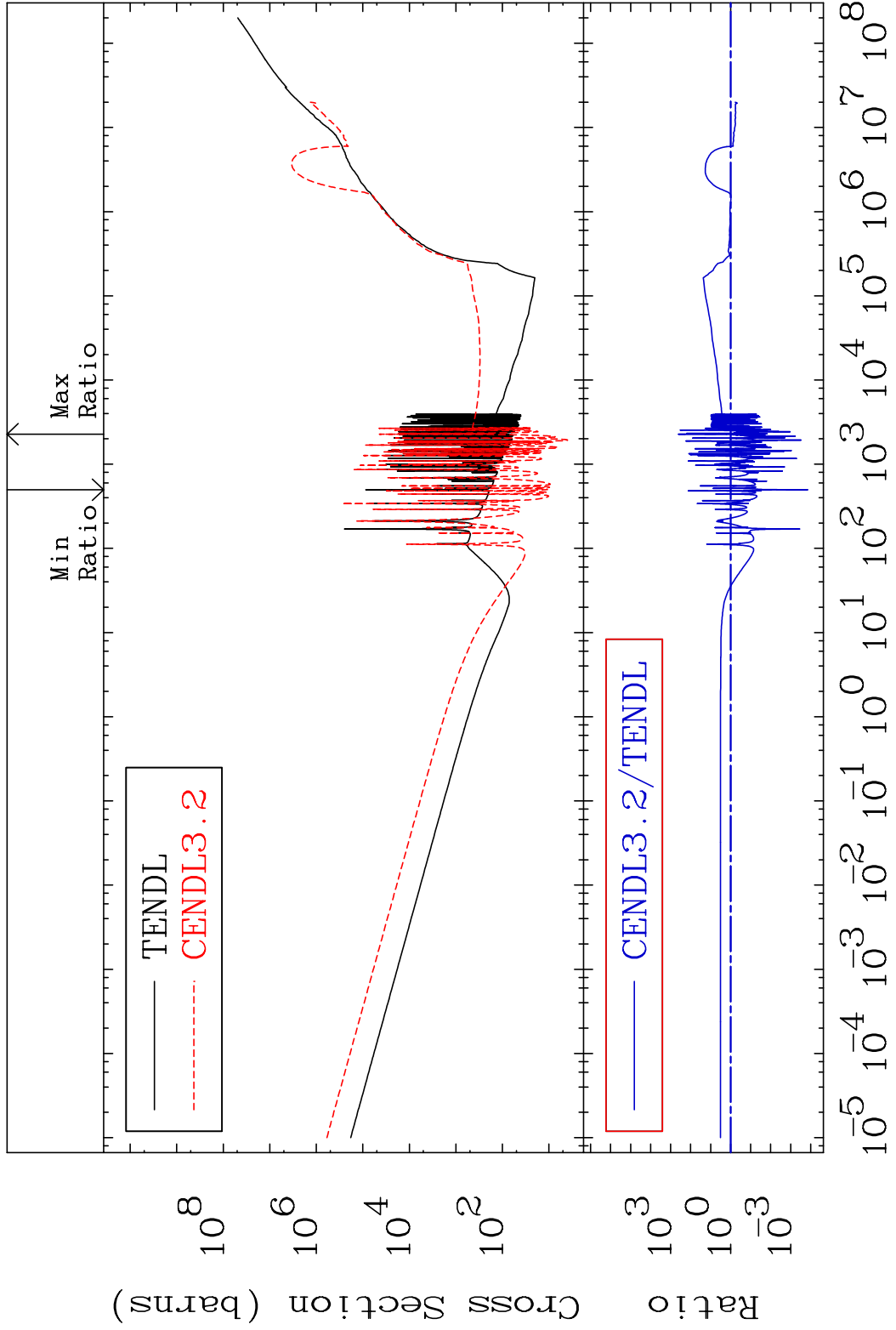


33

Incident Energy (eV)

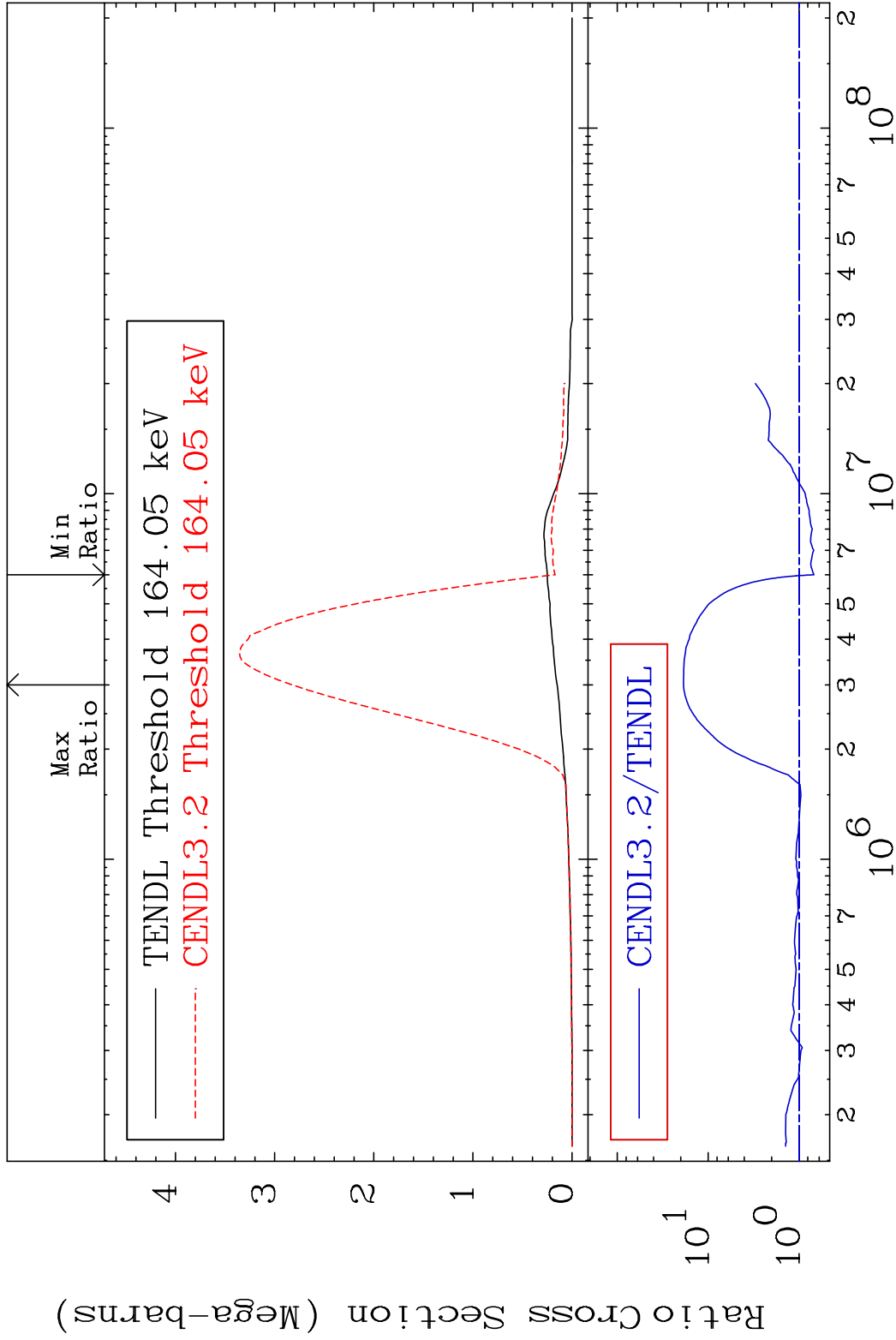
34-Se-77

MAT 3434 Kerma non-elastic (all but mt2) 34-Se-77
 Cross Section -99.99 To 9999. %



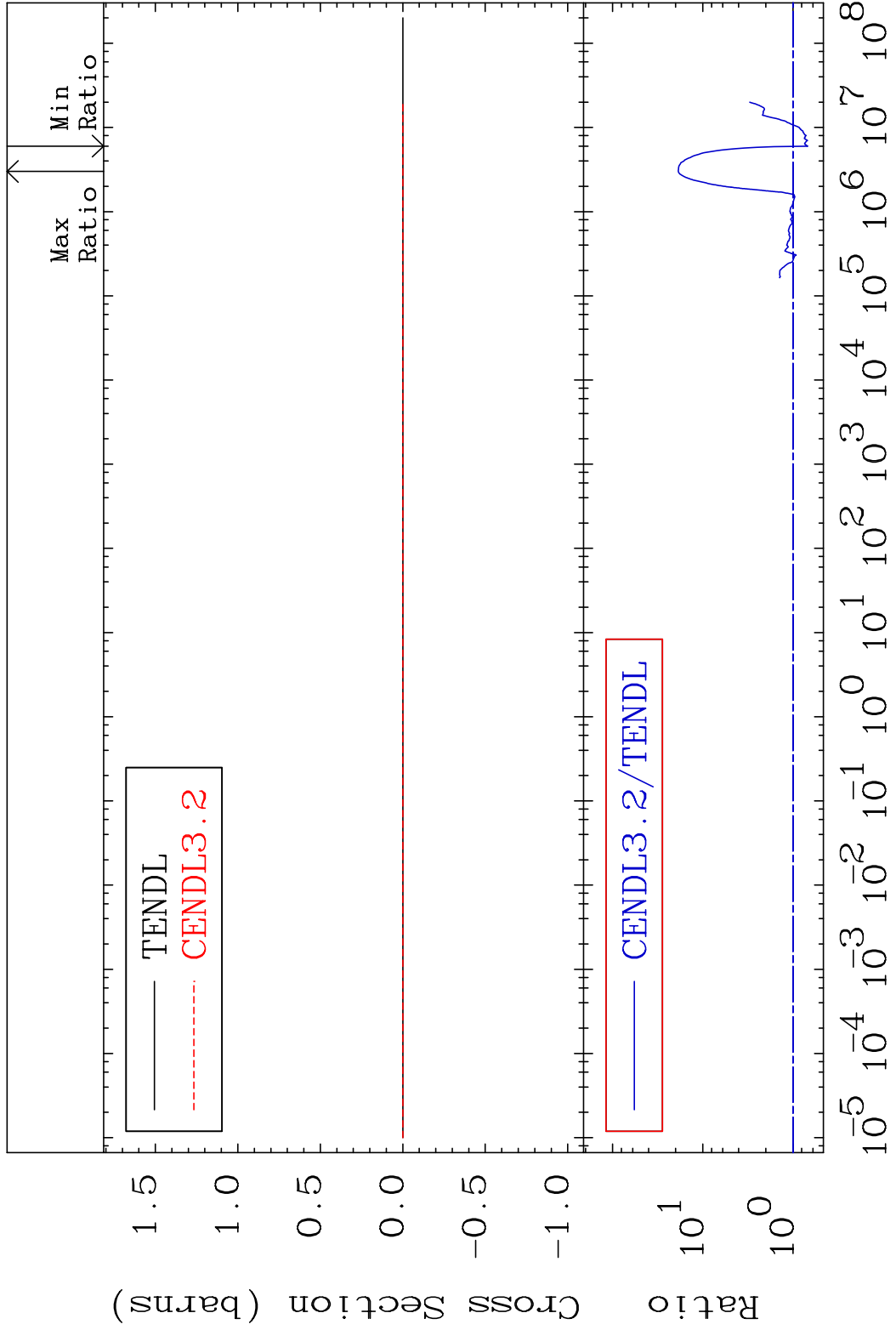
34 Incident Energy (eV) 34-Se-77

MAT 3434 Kerma inelastic (mt51-91) 34-Se-77
 Cross Section -31.35 To 1772. %

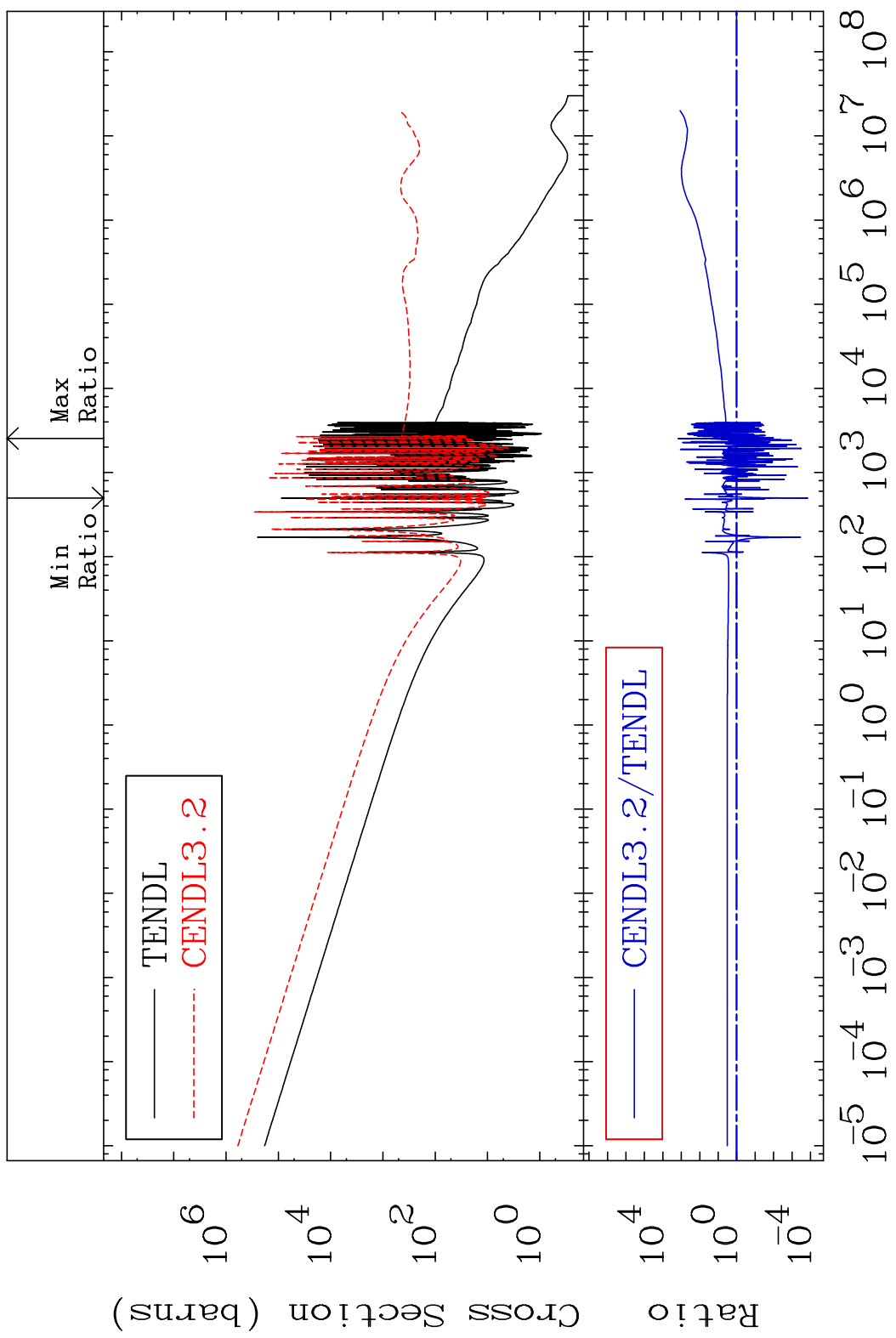


35 Incident Energy (eV) 34-Se-77

MAT 3434 Kerma fission (mt18 or mt19-20-21-38) 34-Se-77
 Cross Section -31.35 To 1772. %

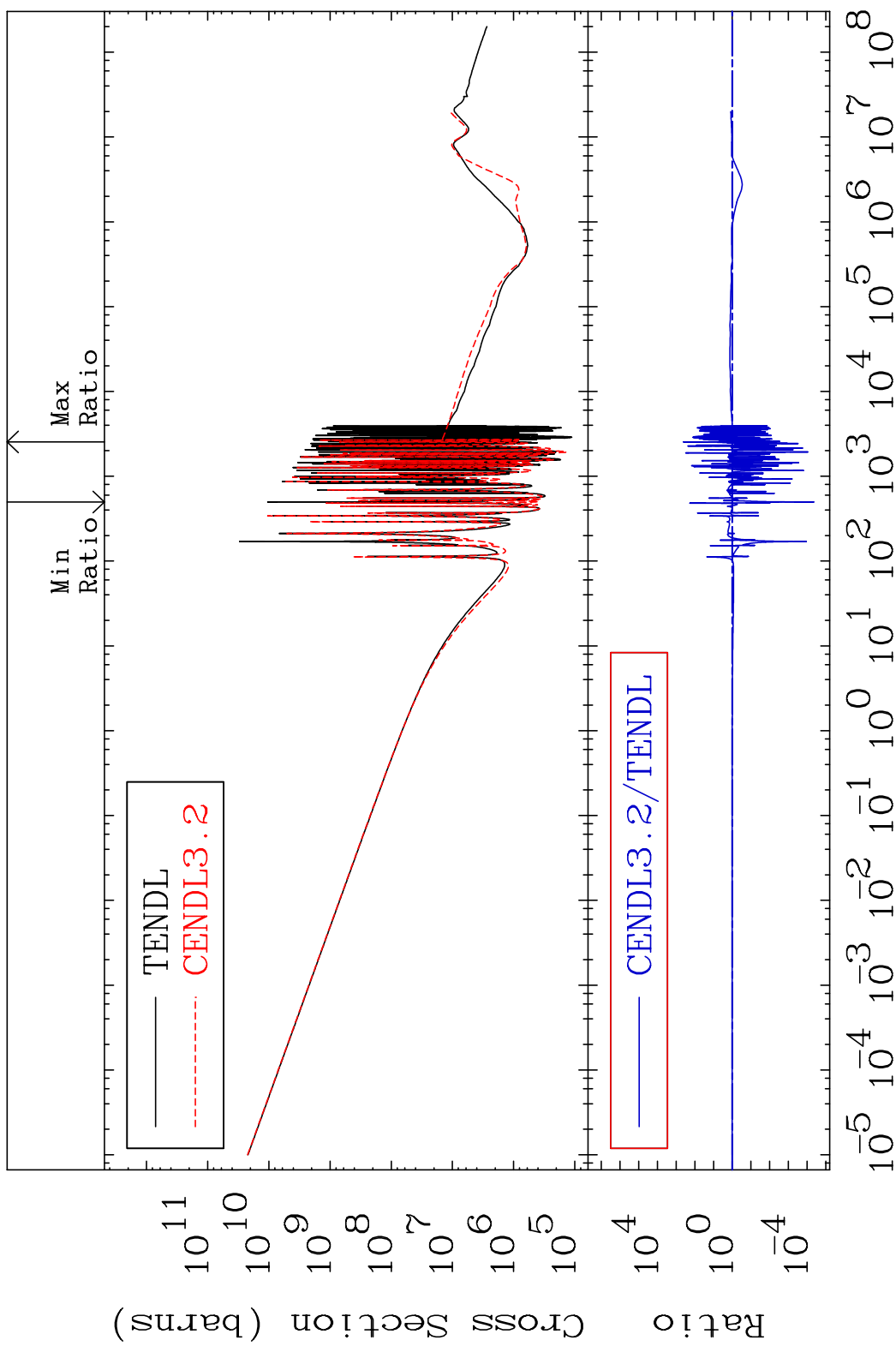


MAT 3434 Kerma capture (mt102) 34-Se-77
 Cross Section -99.99 To 9999. %



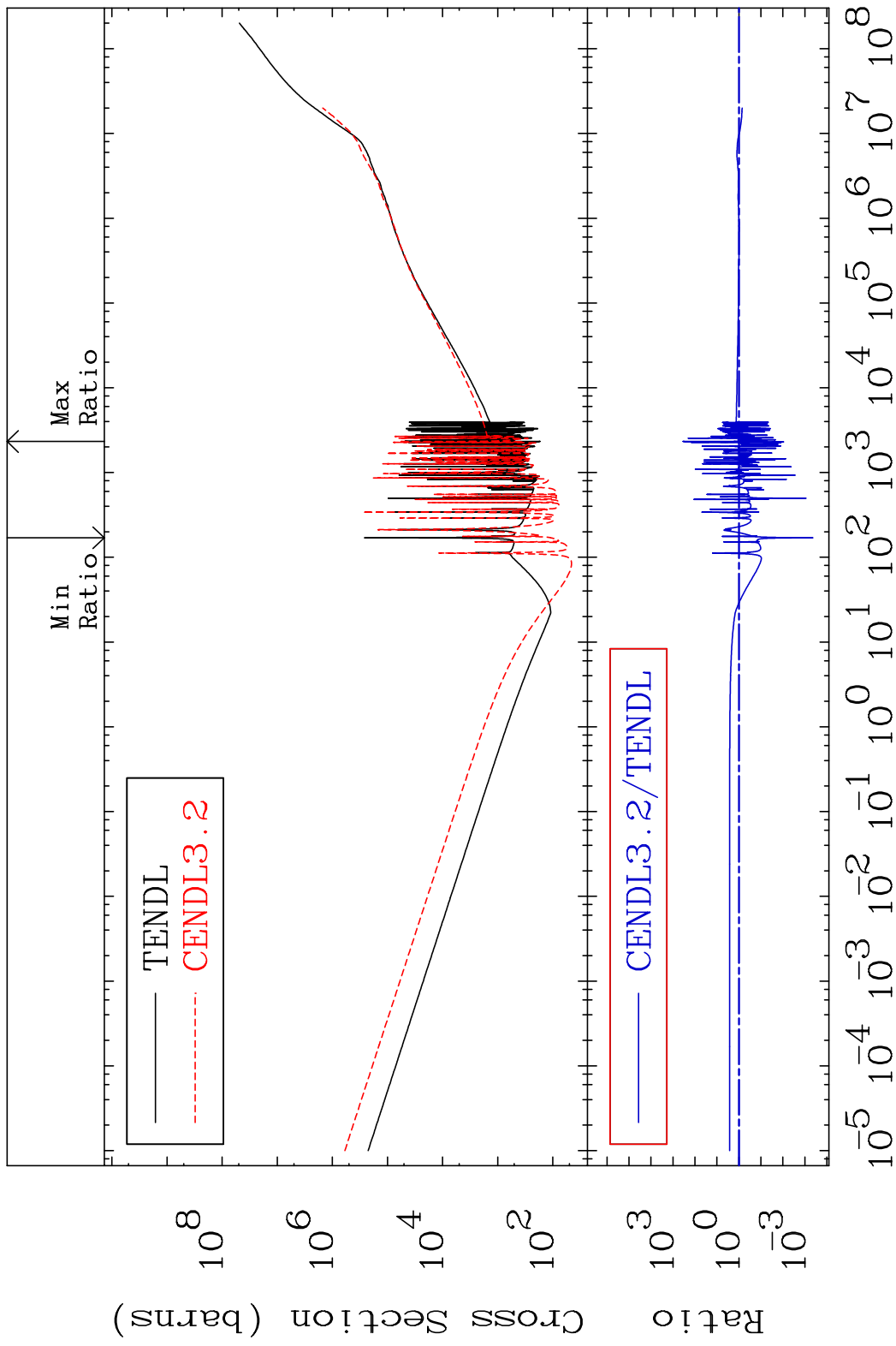
37 Incident Energy (eV) 34-Se-77

MAT 3434 Total photon (eV-barns) 34-Se-77
 Cross Section -100.0 To 9999. %

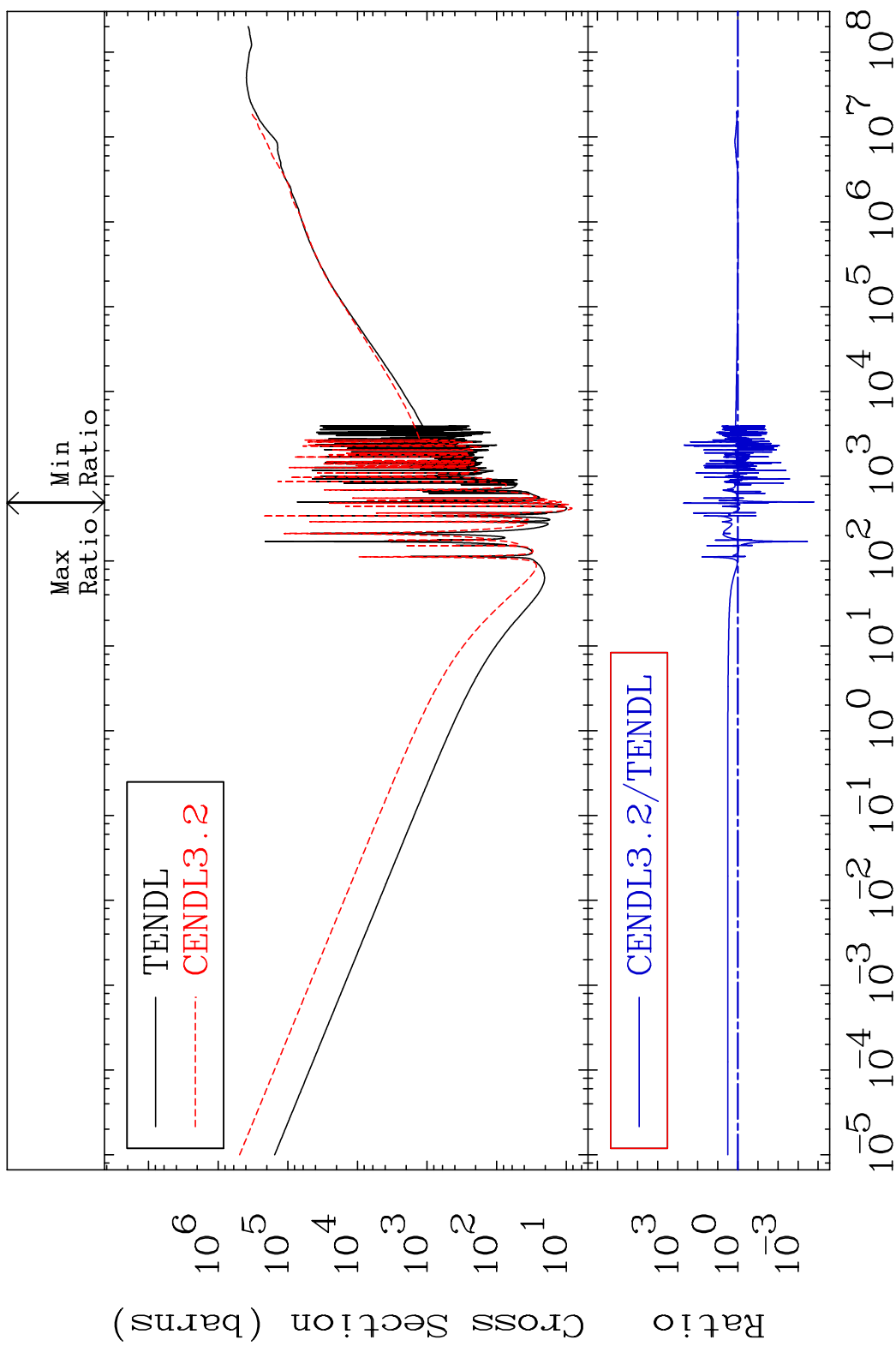


38 Incident Energy (eV) 34-Se-77

MAT 3434 Total kinematic kerma (high limit) 34-Se-77
 Cross Section -99.96 To 9999. %



MAT 3434 Dpa total (eV-barns) 34-Se-77
 Cross Section -99.98 To 9999. %



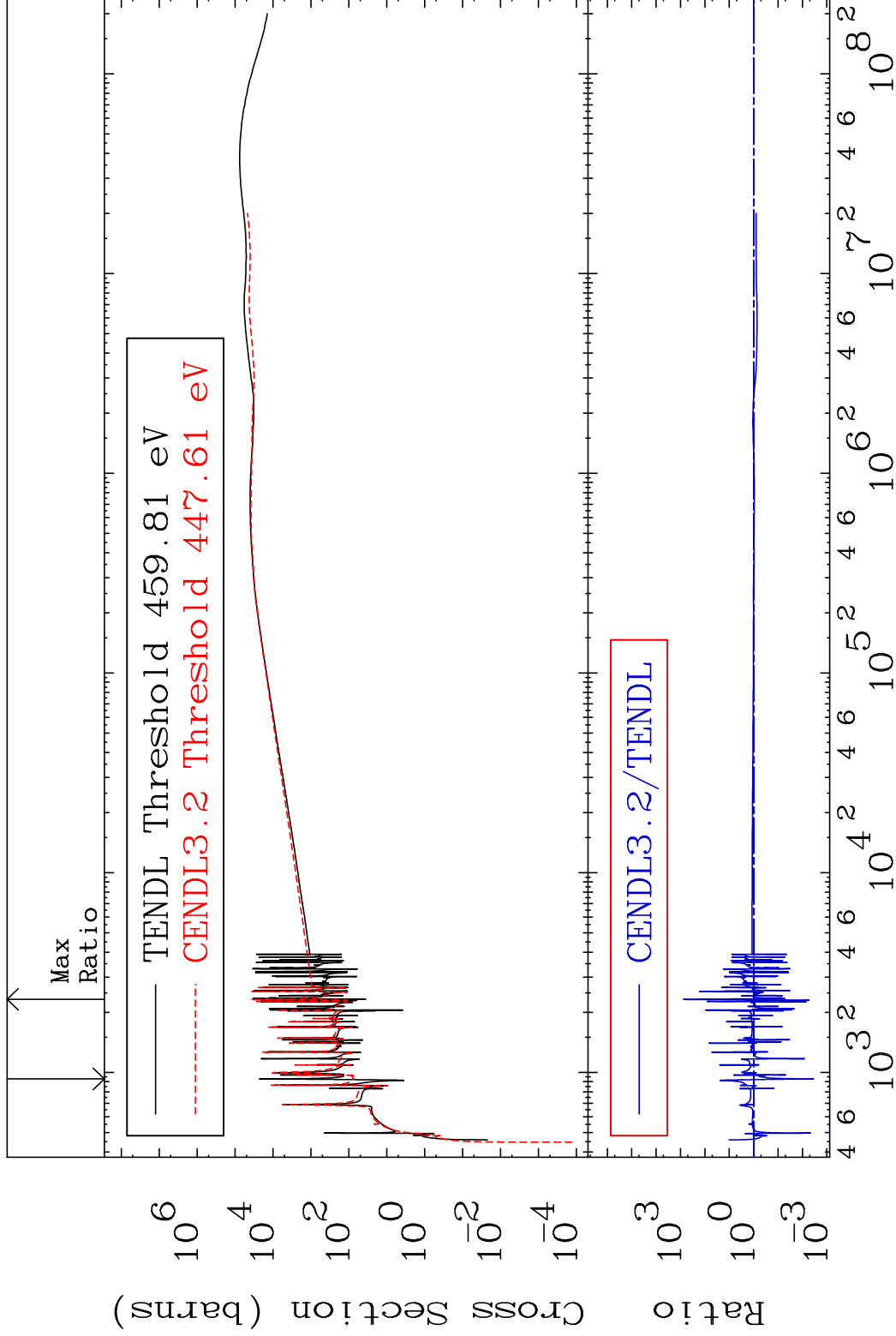
40 Incident Energy (eV) 34-Se-77

MAT 3434

Dpa elastic (mt2)

34-Se-77

Cross Section -99.66 To 9999. %

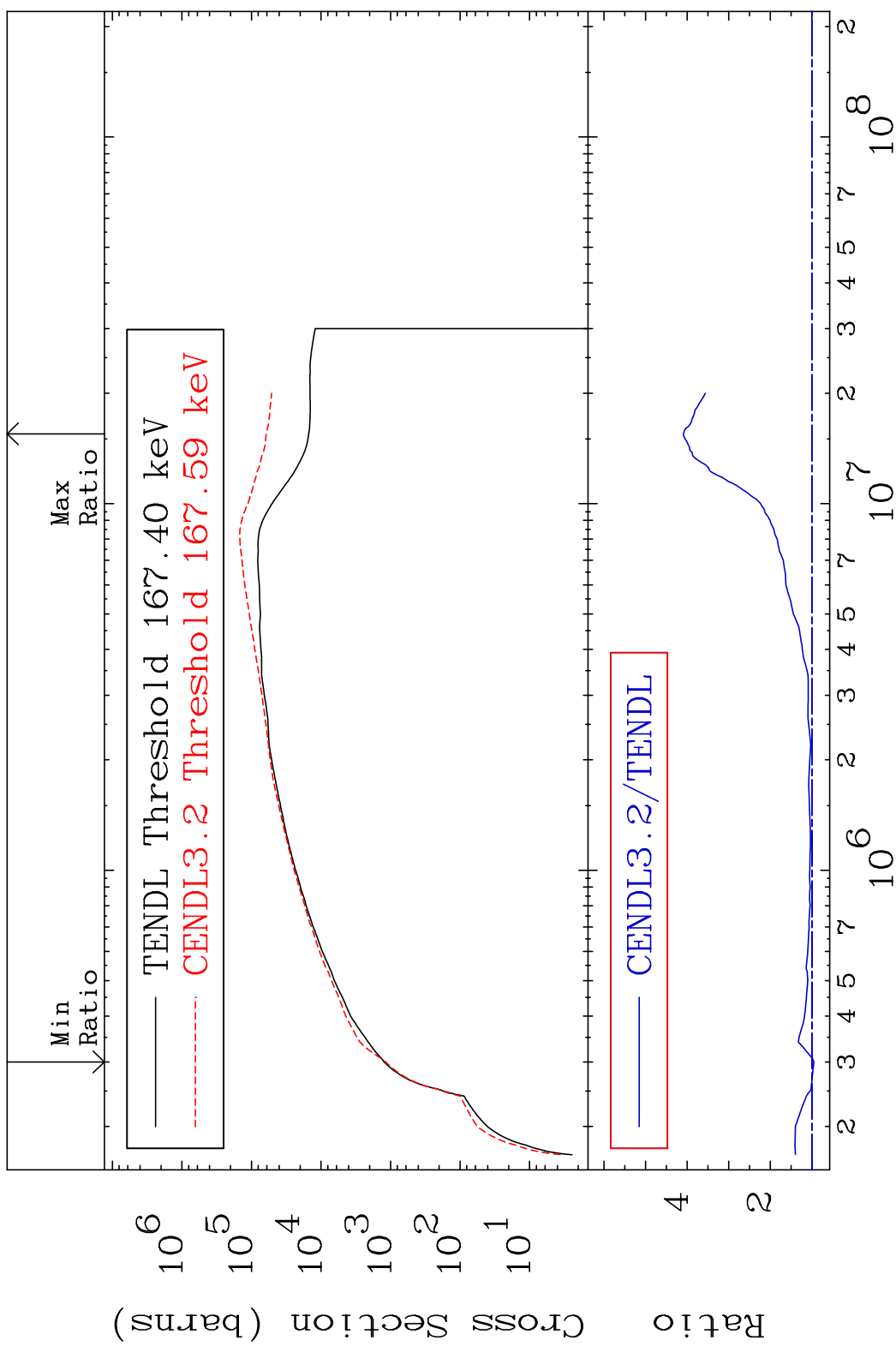


41

Incident Energy (eV)

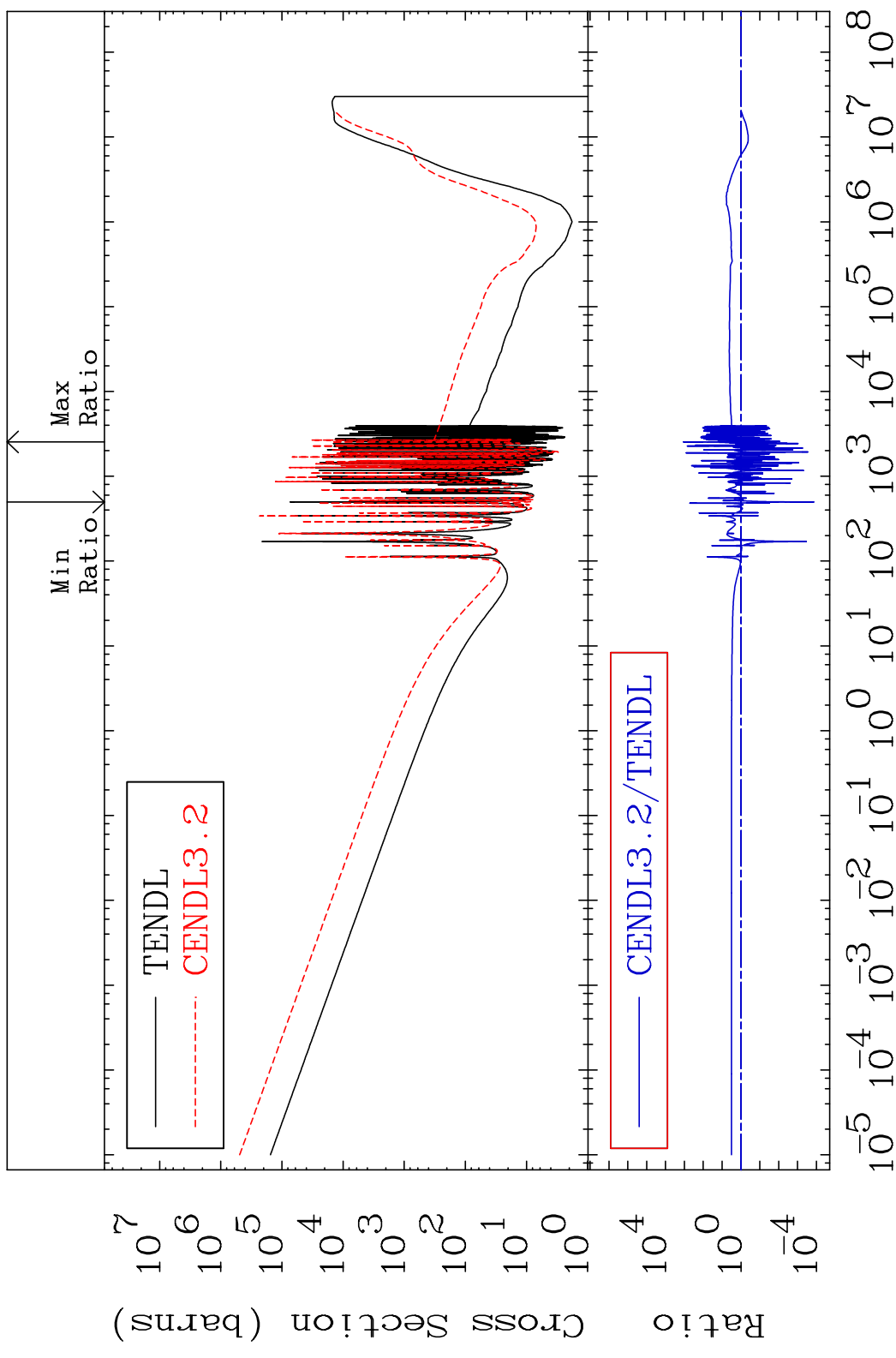
34-Se-77

MAT 3434 Dpa inelastic (mt51-91) ³⁴Se-77
 Cross Section -5.050 To 308.9 %



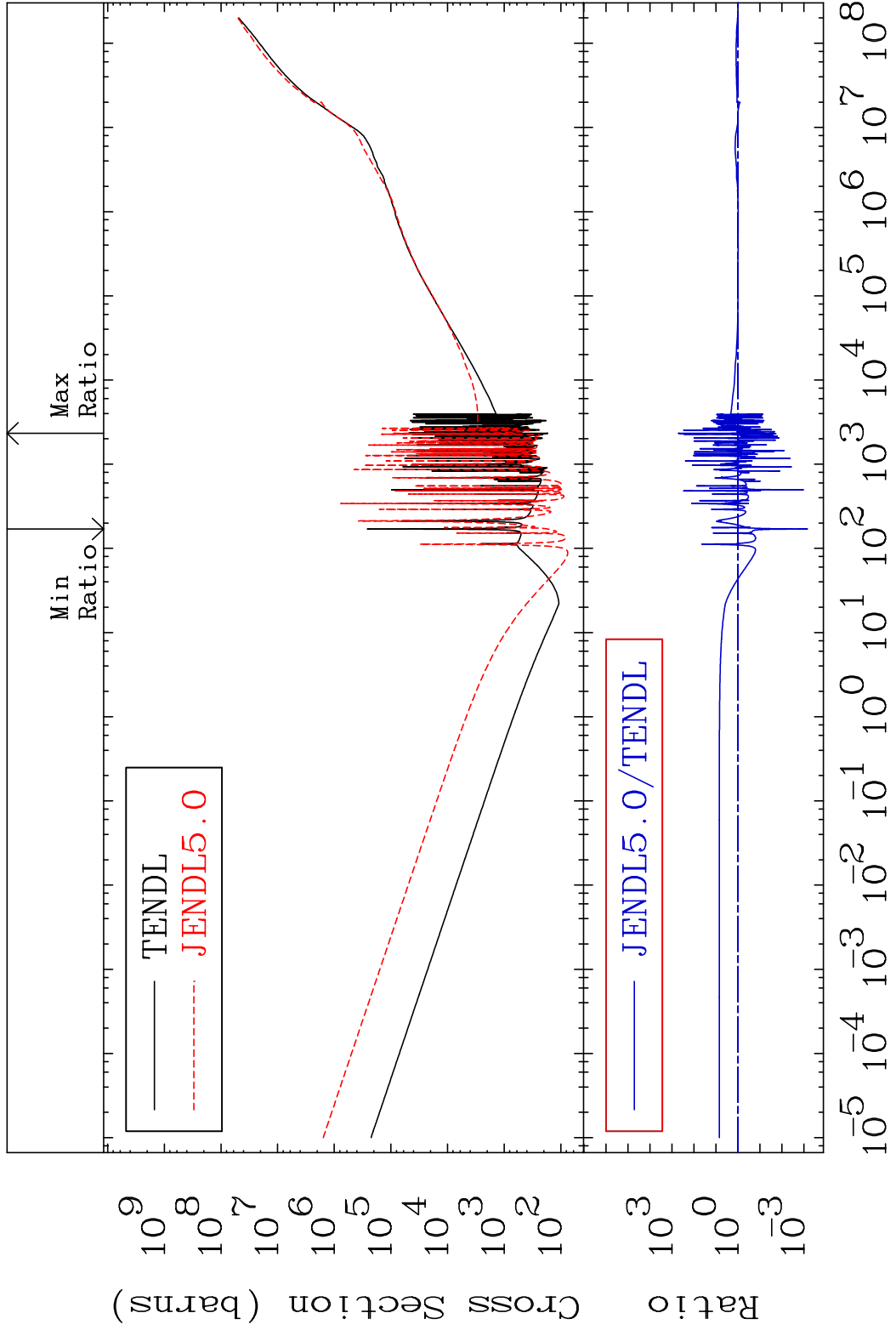
42 Incident Energy (eV) ³⁴Se-77

MAT 3434 Dpa disappearance (mt102 -120) 34-Se-77
 Cross Section -99.99 To 9999. %



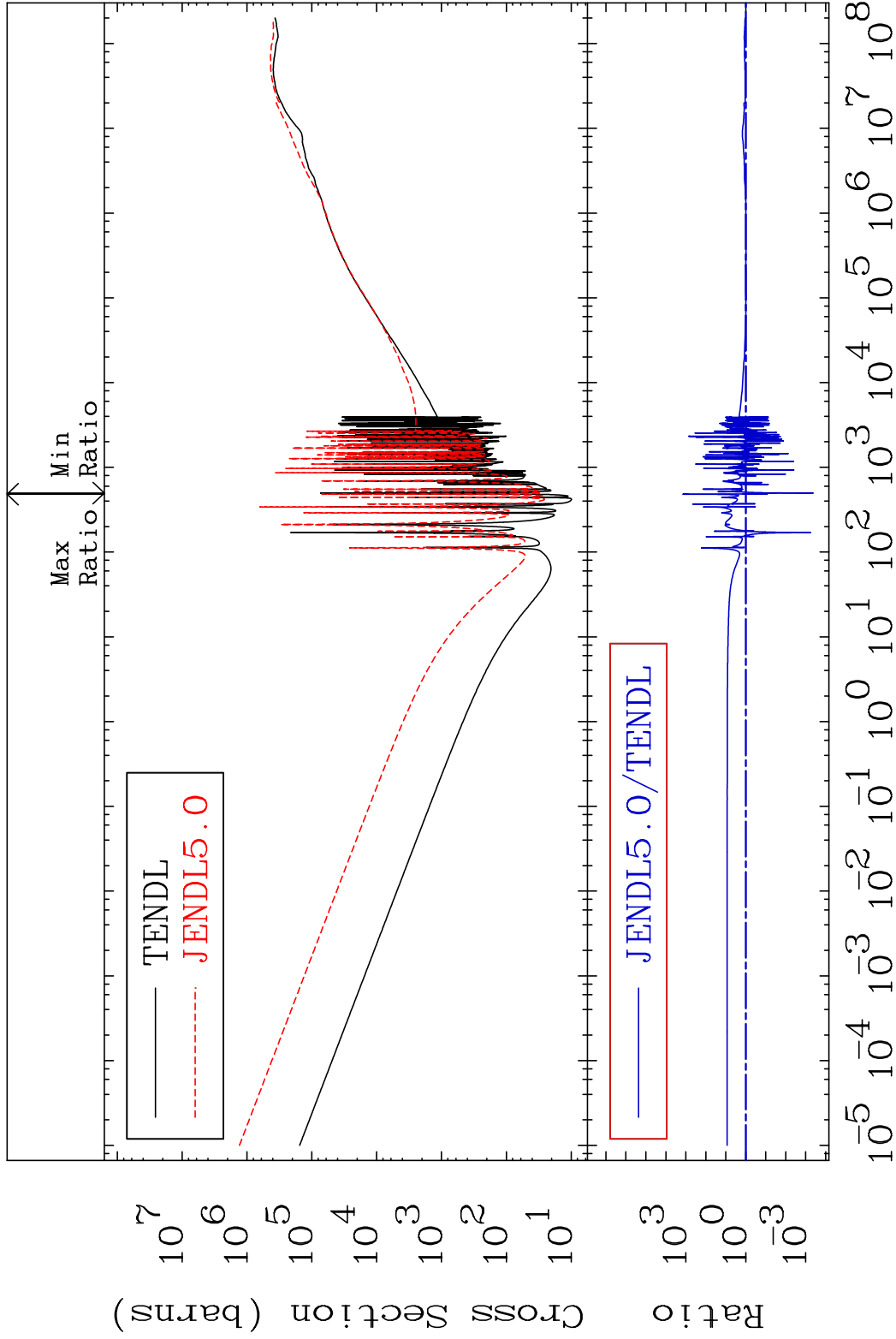
43 Incident Energy (eV) 34-Se-77

MAT 3434 Total kinematic kerma (high limit) 34-Se-77
 Cross Section -99.93 To 9999. %



44 Incident Energy (eV) 34-Se-77

MAT 3434 Dpa total (eV-barns) 34-Se-77
 Cross Section -99.96 To 9999. %



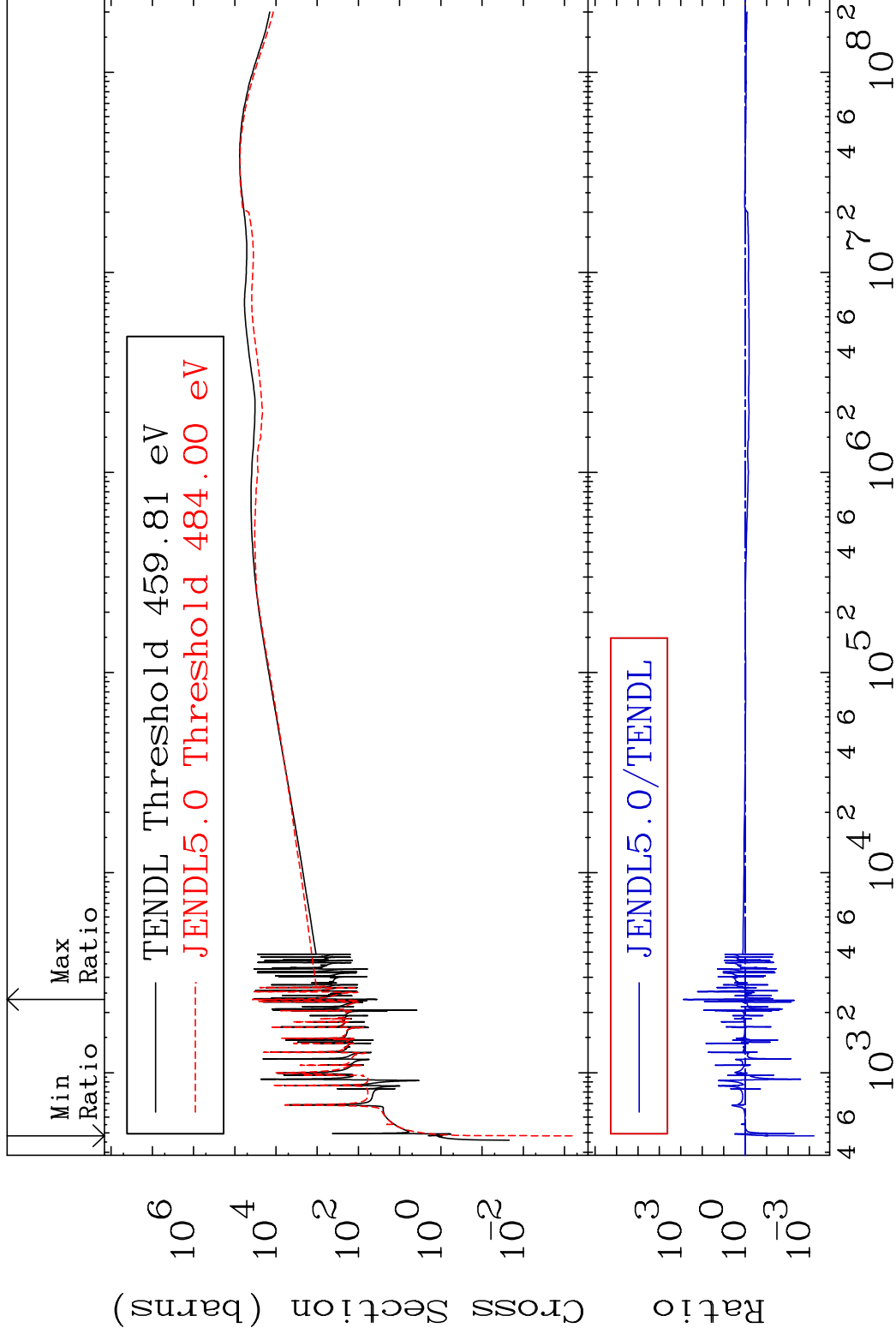
45 Incident Energy (eV) 34-Se-77

MAT 3434

Dpa elastic (mt2)

34-Se-77

Cross Section -99.94 To 9999. %

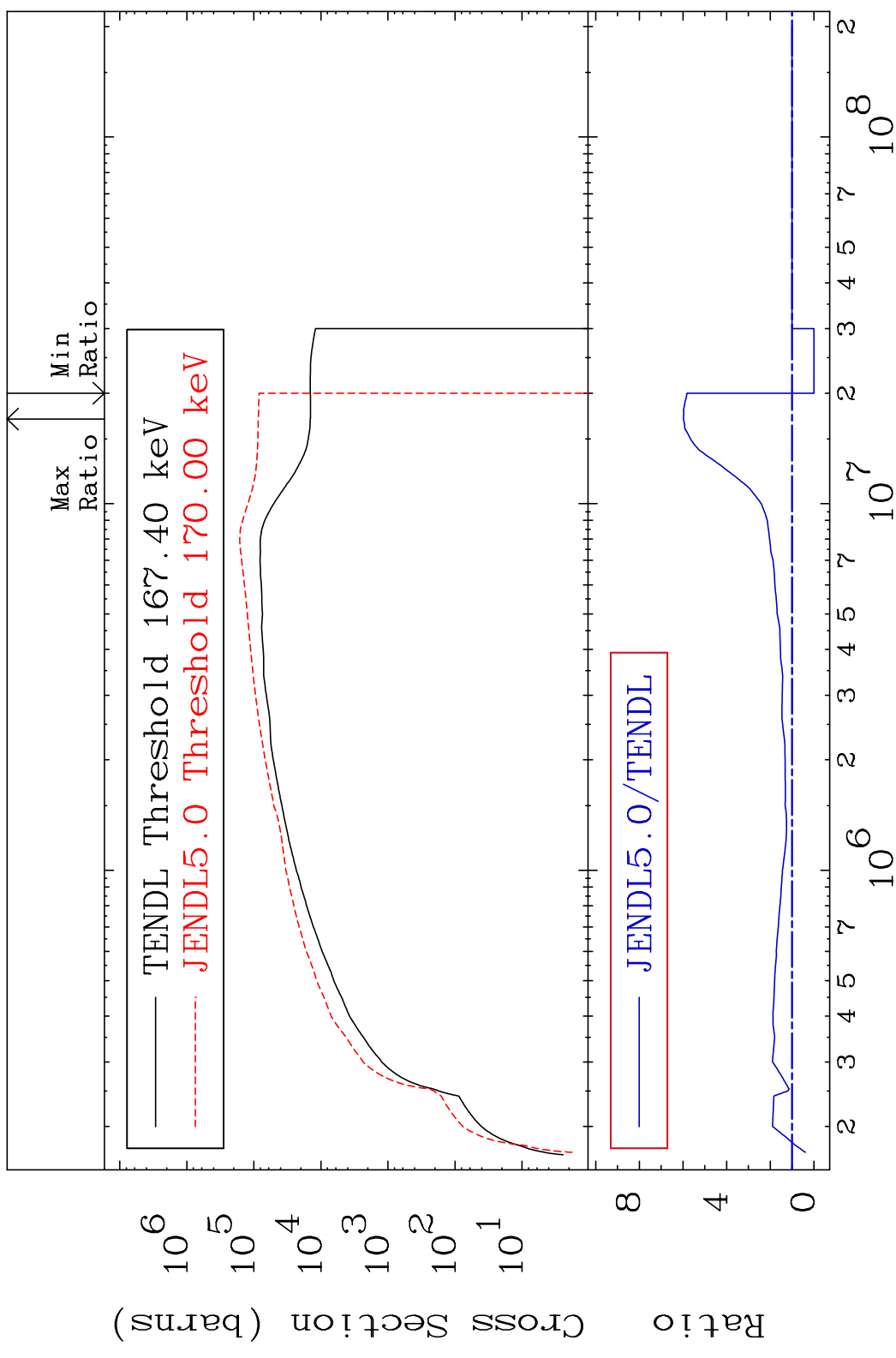


46

Incident Energy (eV)

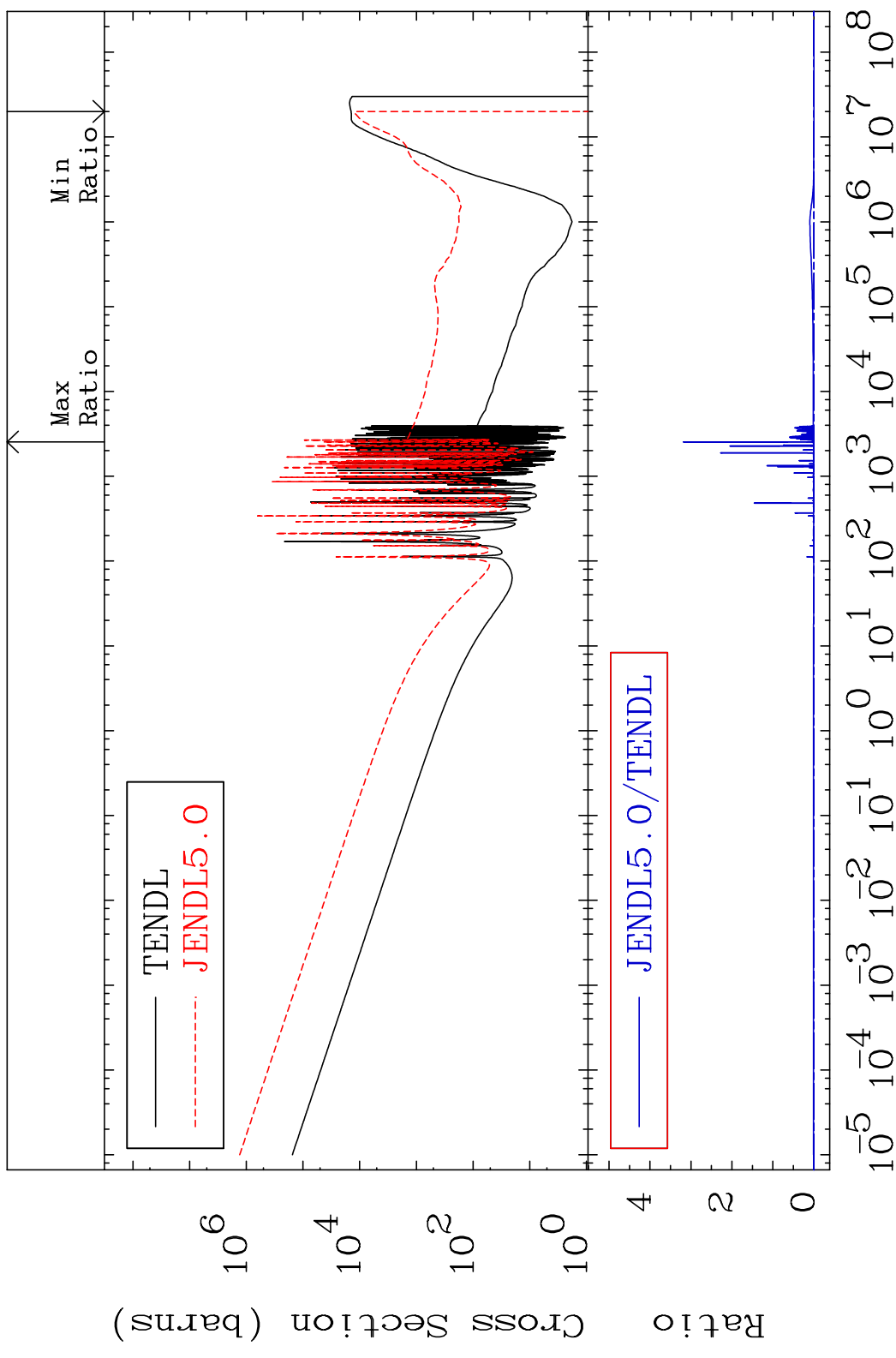
34-Se-77

MAT 3434 Dpa inelastic (mt51-91) ³⁴Se-77
 Cross Section -100.0 To 497.9 %

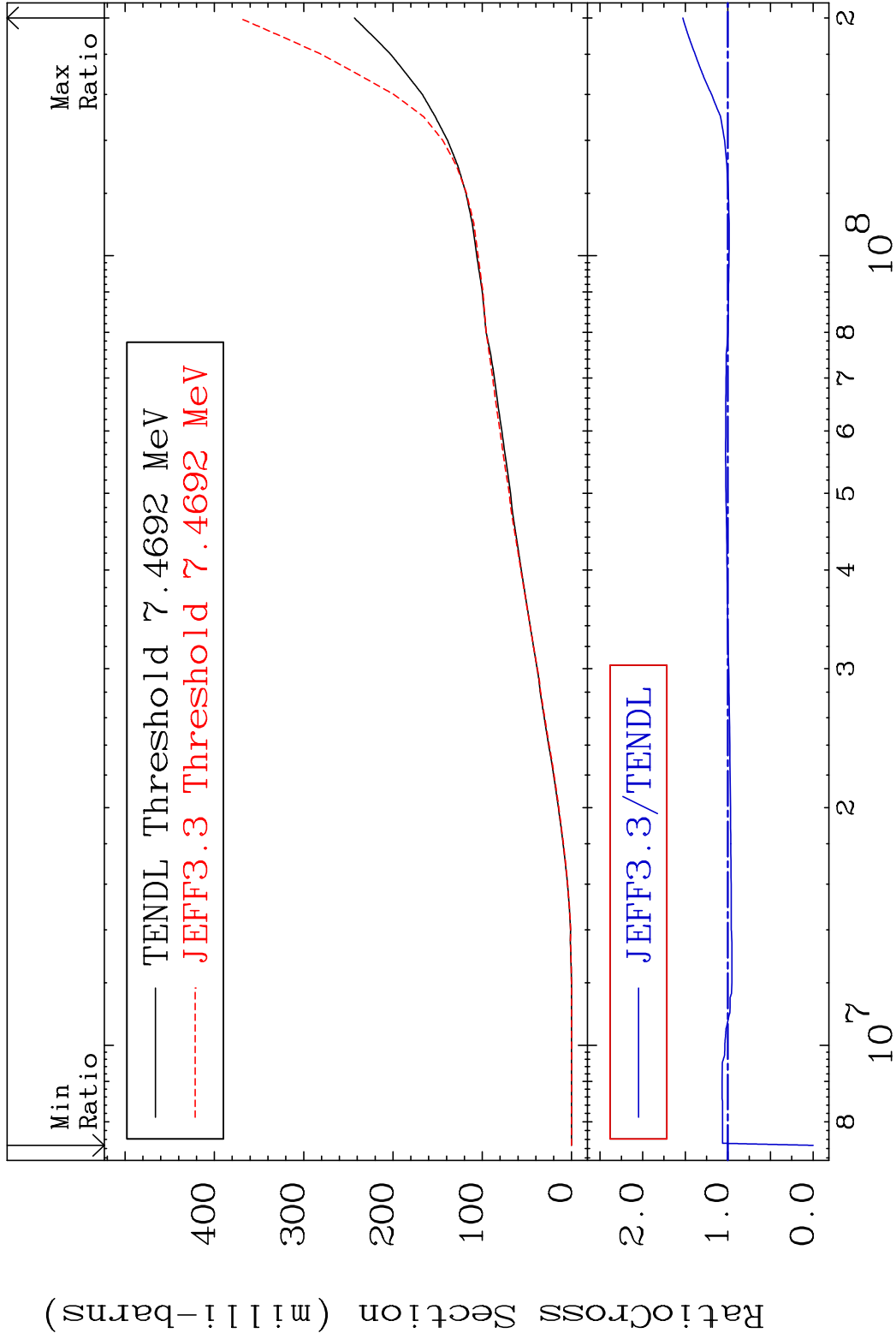


47 Incident Energy (eV) ³⁴Se-77

MAT 3434 Dpa disappearance (mt102 -120) 34-Se-77
 Cross Section -100.0 To 9999. %



MAT 3434 Deuterium Production 34-Se-77
 Cross Section -100.0 To 52.92 %



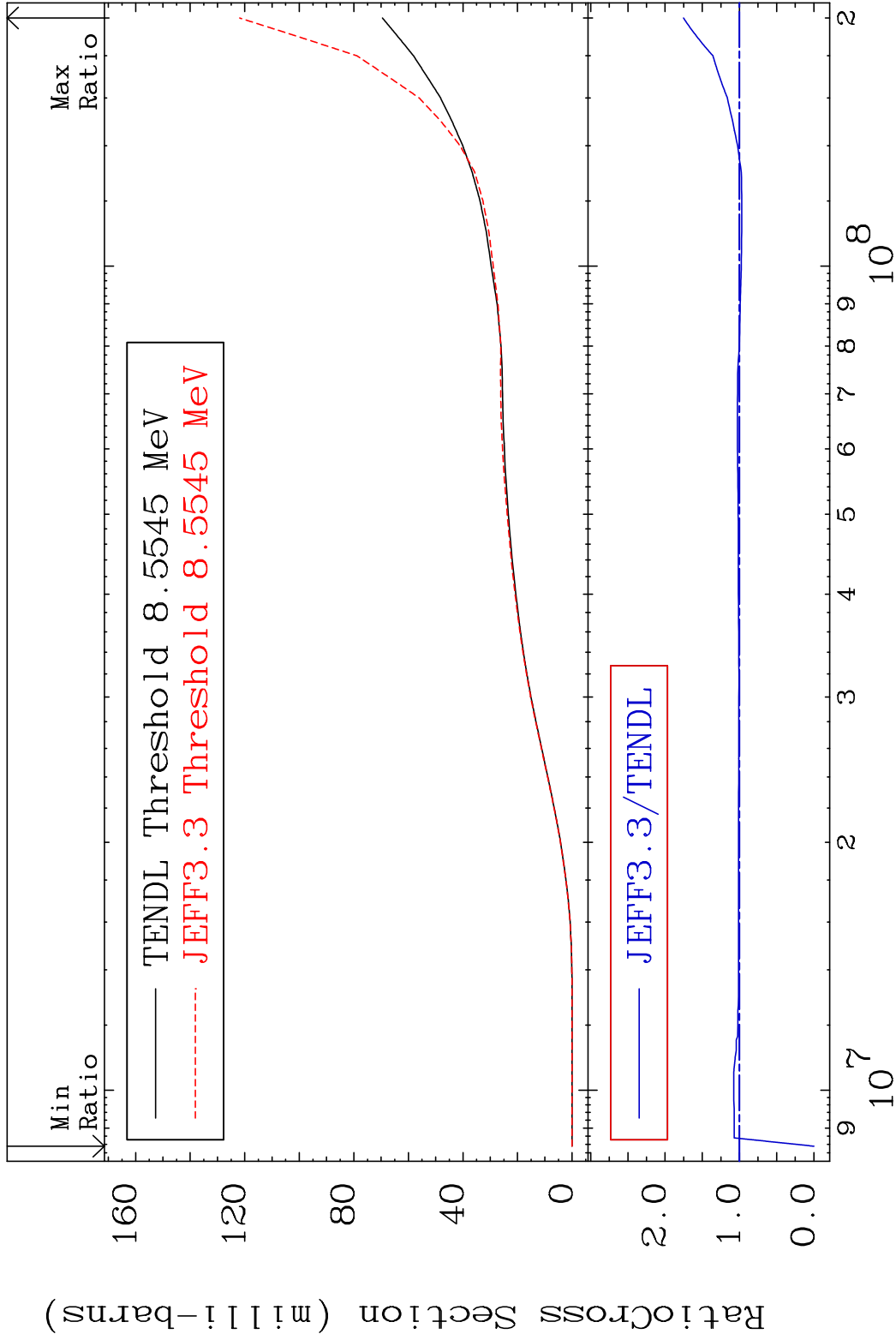
49 34-Se-77

MAT 3434

Tritium Production

³⁴Se-77

Cross Section -100.0 To 75.29 %



50

Incident Energy (eV)

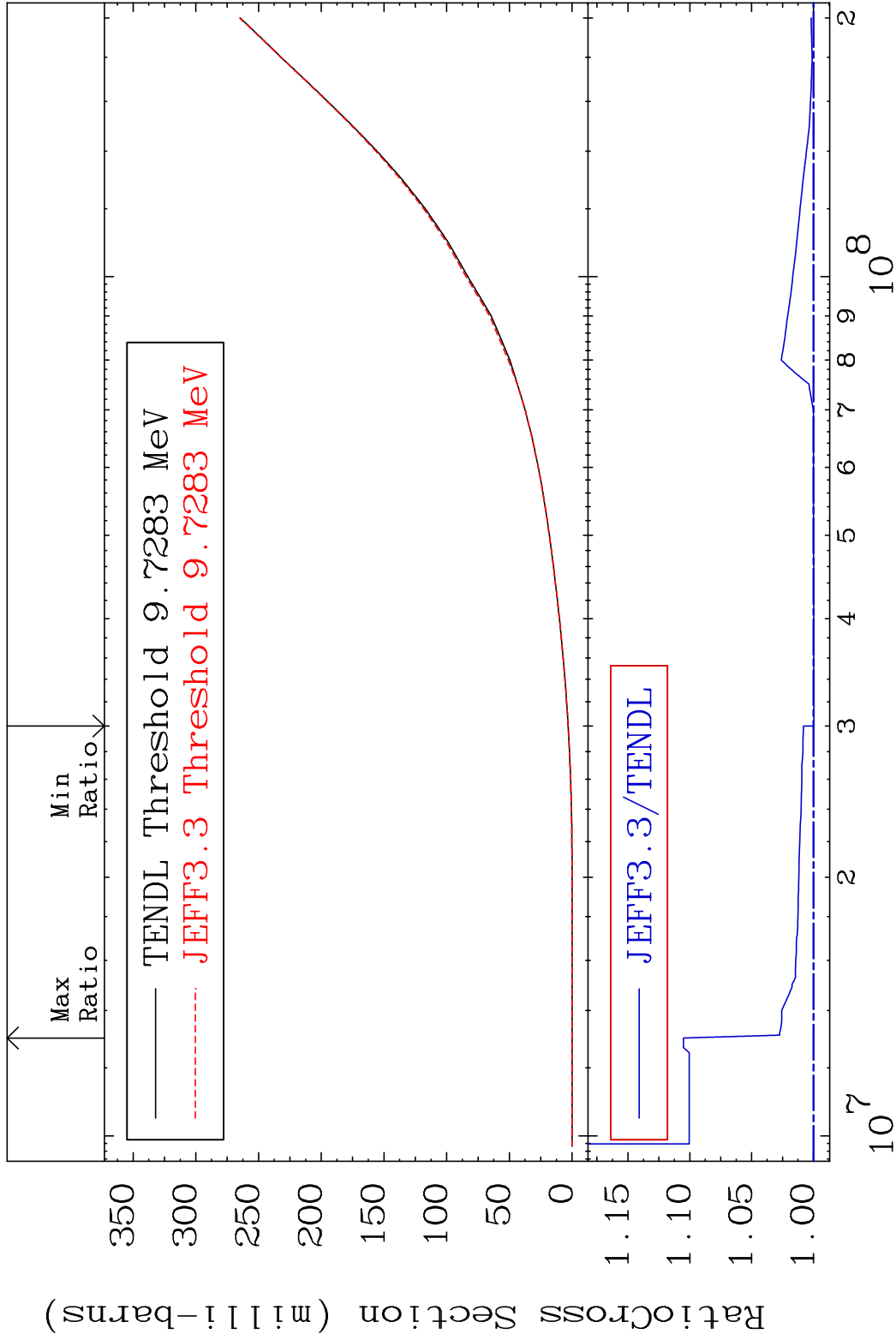
³⁴Se-77

MAT 3434

He-3 Production

34-Se-77

Cross Section -0.033 To 10.51 %



51

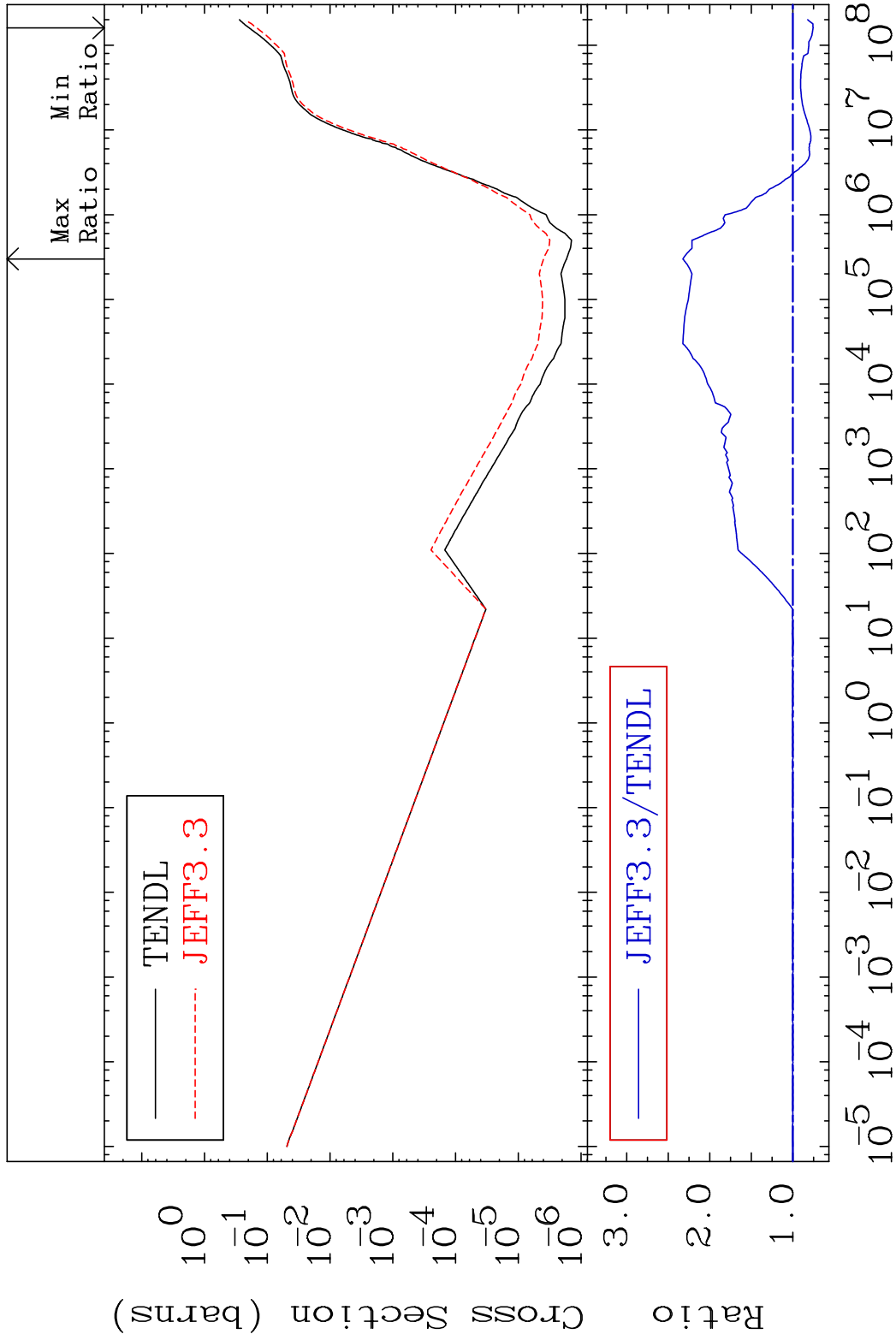
Incident Energy (eV)

34-Se-77

MAT 3434

He-4 Production
Cross Section

34-Se-77
-24.52 To 132.4 %

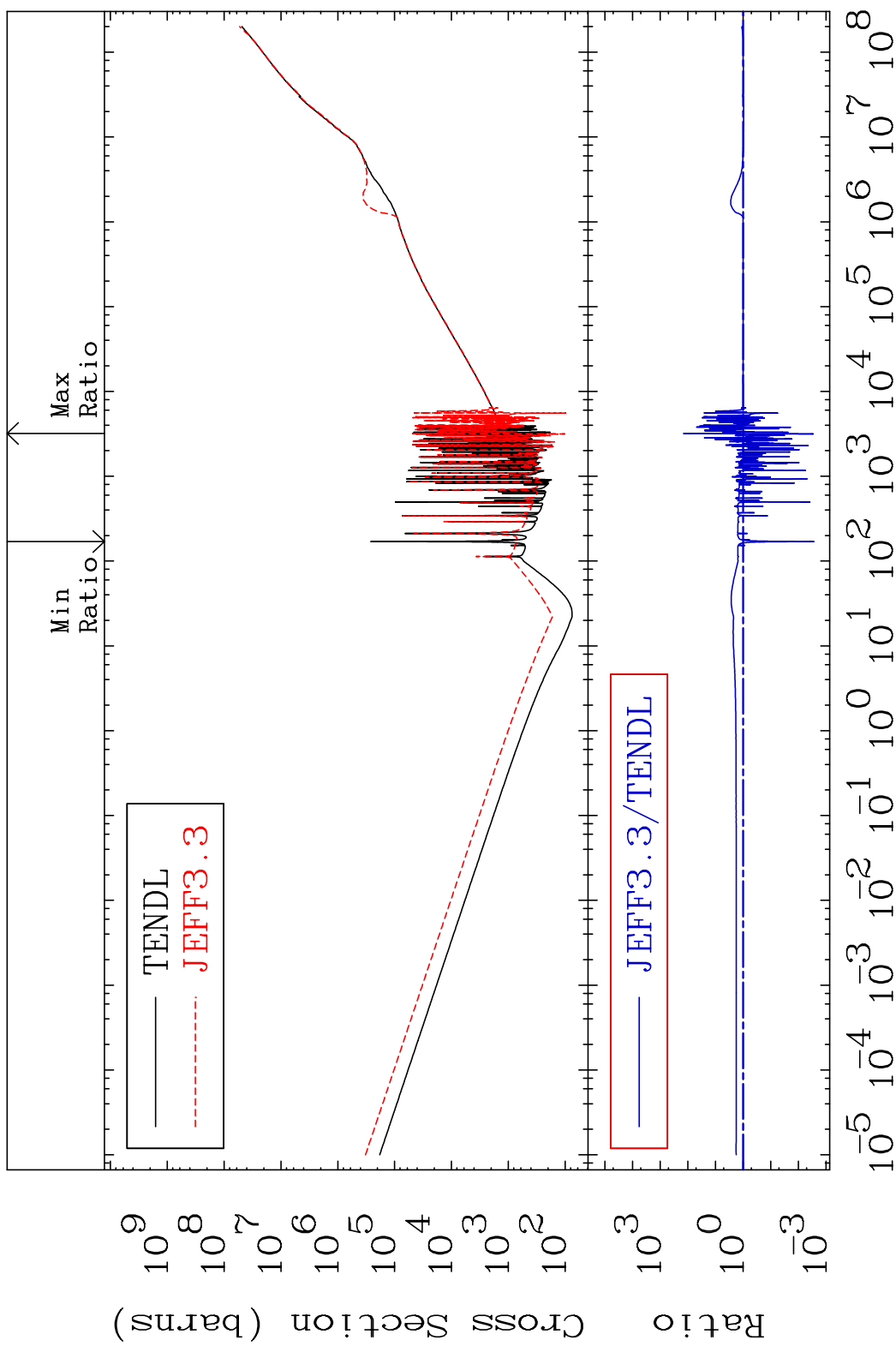


52

Incident Energy (eV)

34-Se-77

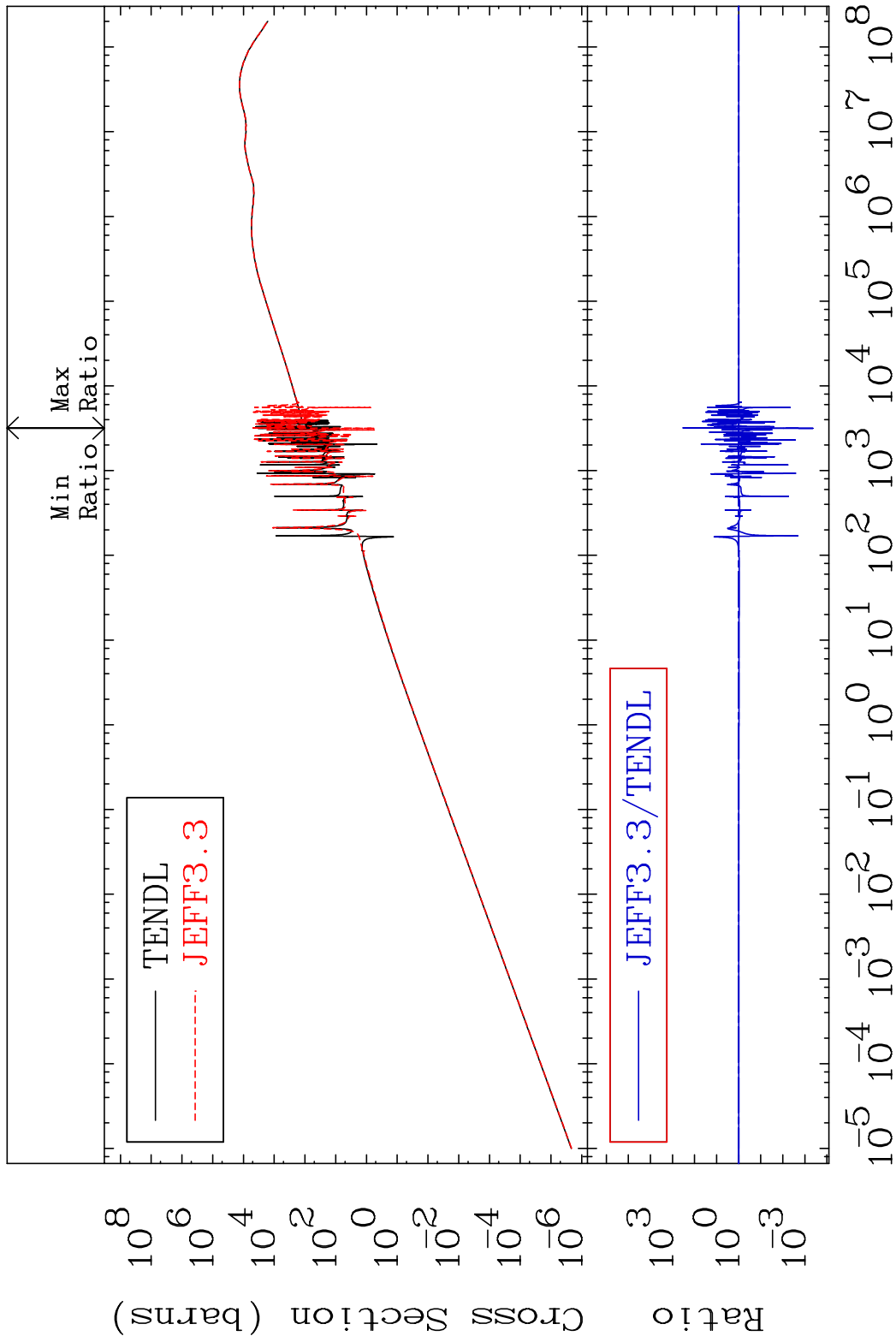
MAT 3434 Kerma total (eV-barns) 34-Se-77
 Cross Section -99.73 To 9999. %



53 Incident Energy (eV) 34-Se-77

MAT 3434

Kerma elastic Cross Section -99.96 To 9999. %
34-Se-77

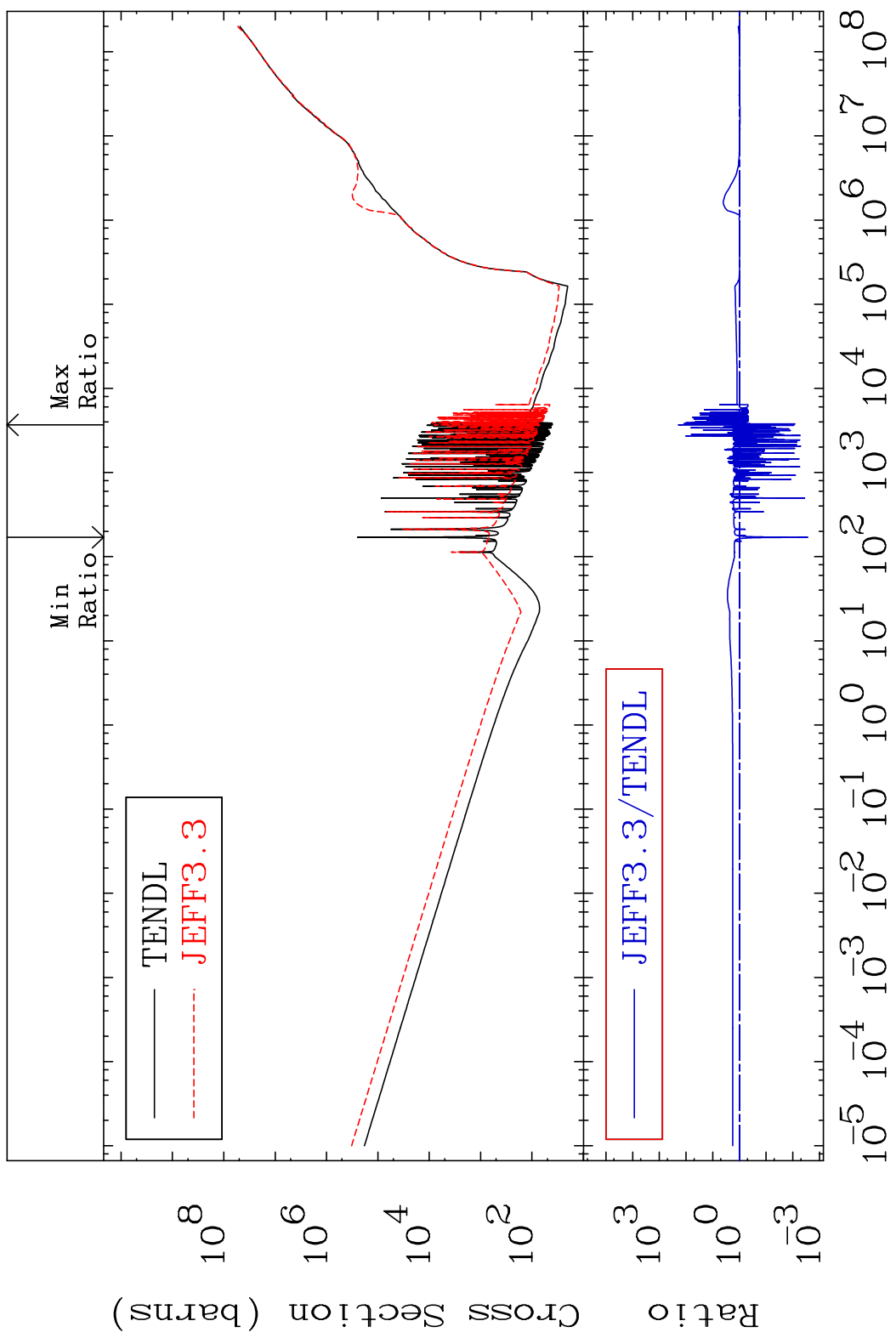


54

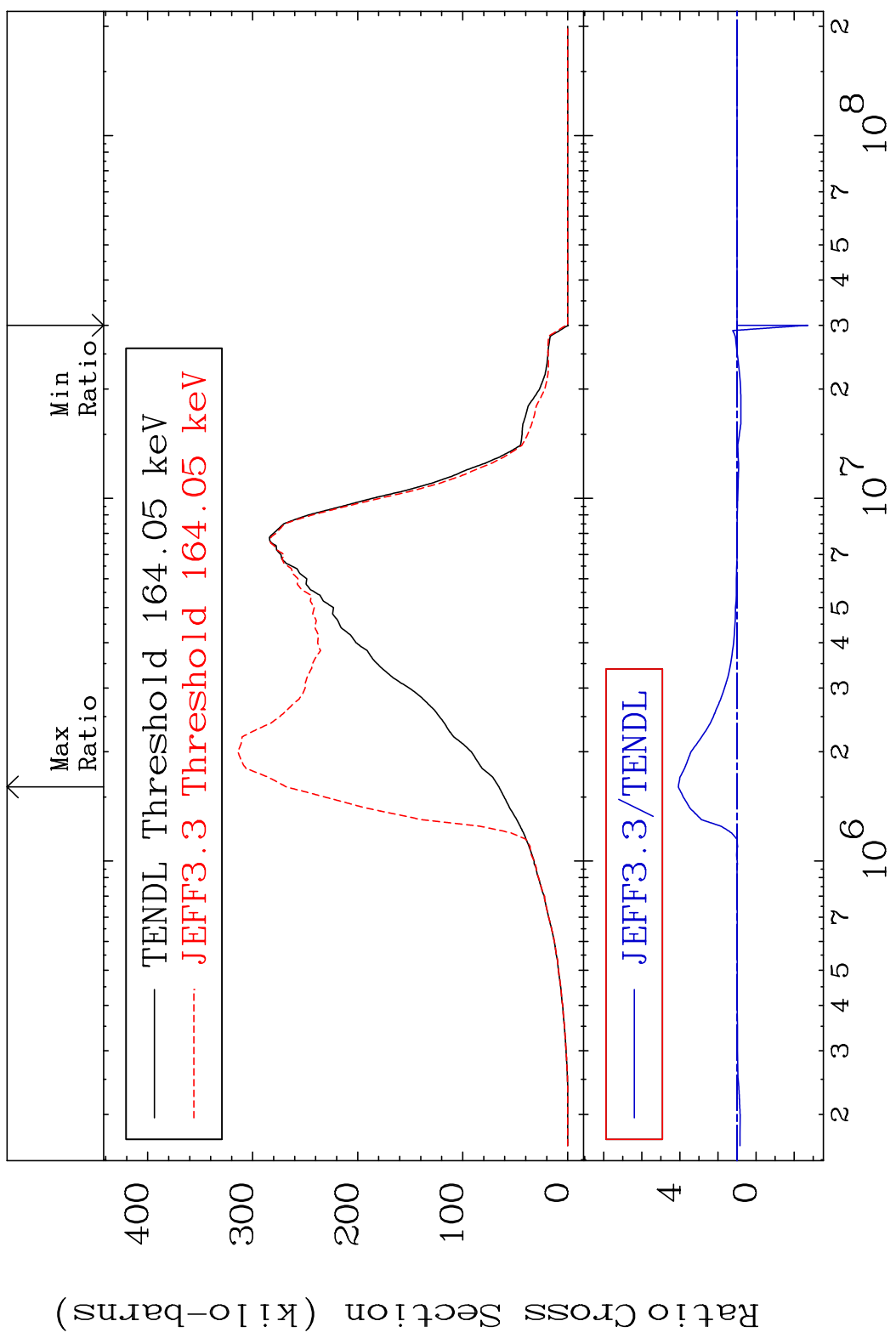
Incident Energy (eV)

34-Se-77

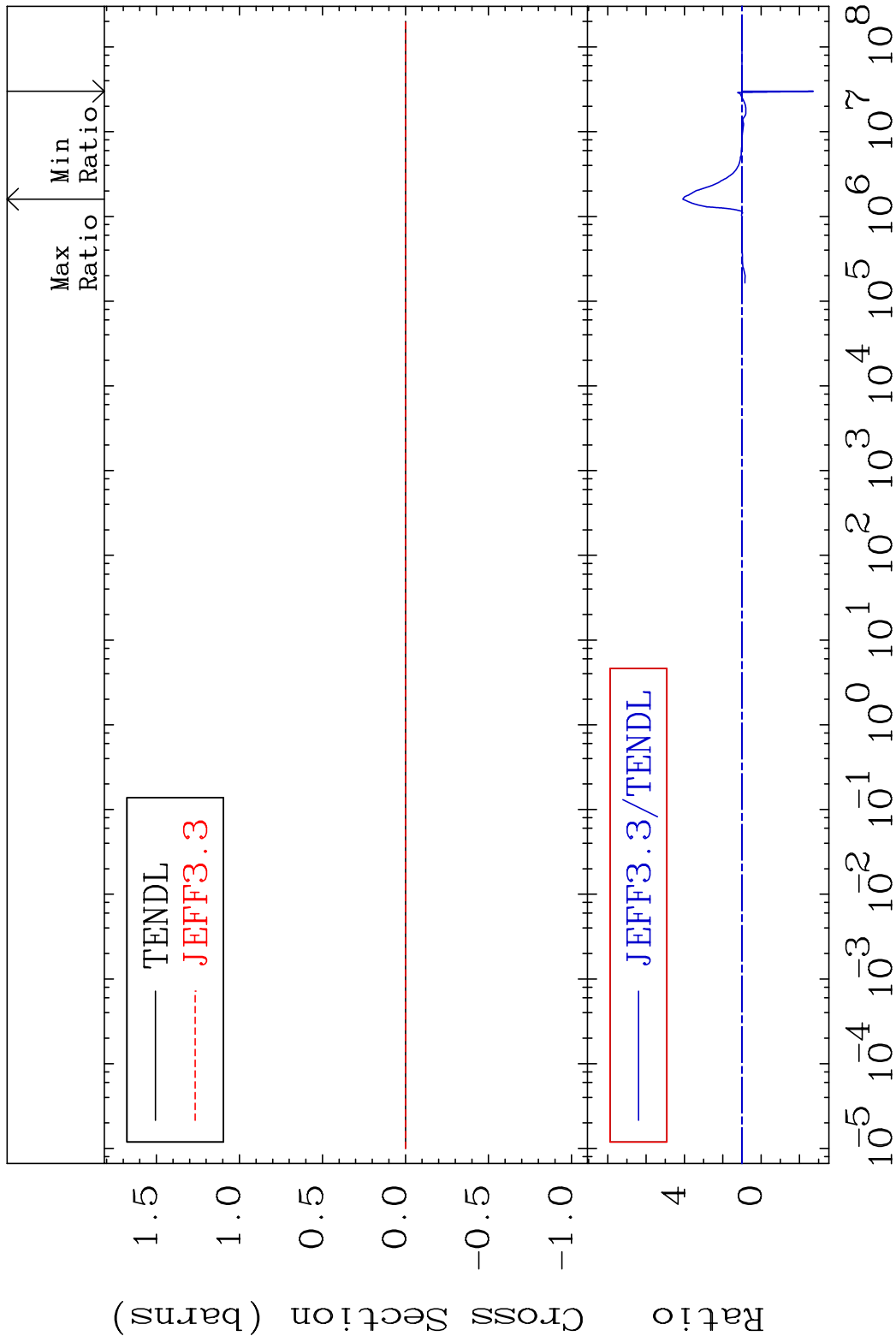
MAT 3434 Kerma non-elastic (all but mt2) 34-Se-77
 Cross Section -99.72 To 9999. %



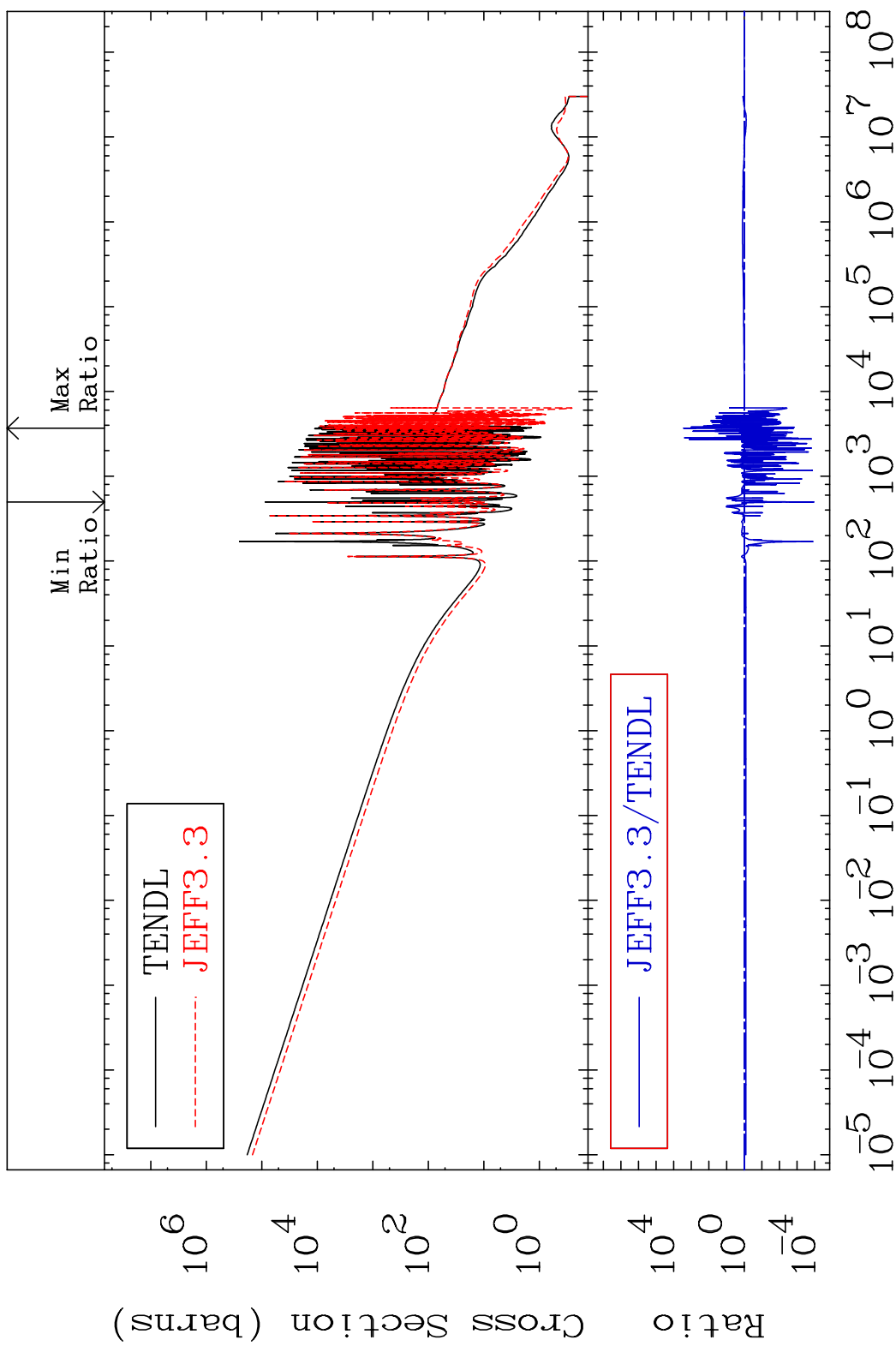
55 Incident Energy (eV) 34-Se-77



MAT 3434 Kerma fission (mt18 or mt19-20-21-38) 34-Se-77
 Cross Section -371.1 To 308.7 %

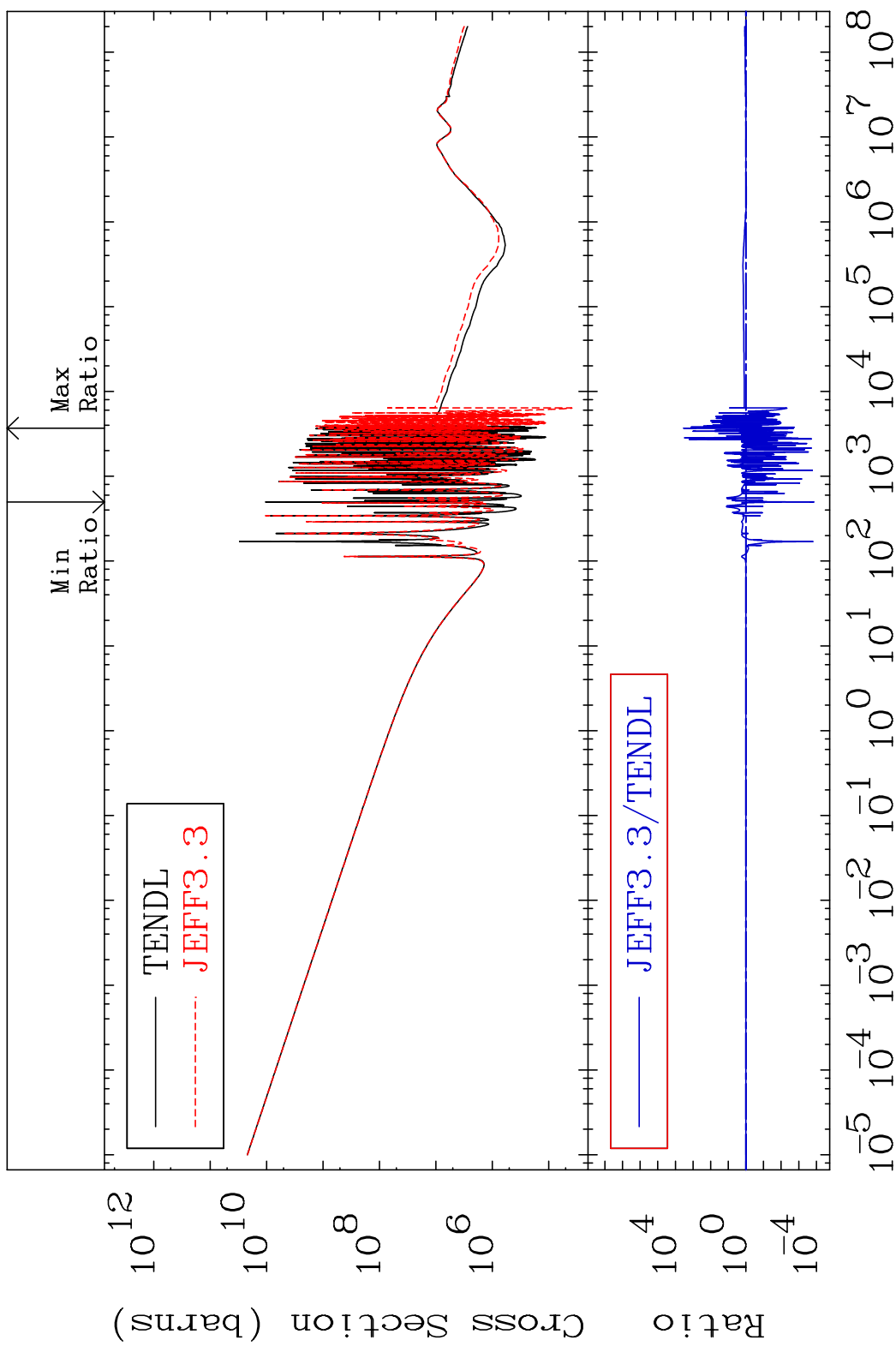


MAT 3434 Kerma capture (mt102) 34-Se-77
 Cross Section -99.99 To 9999. %



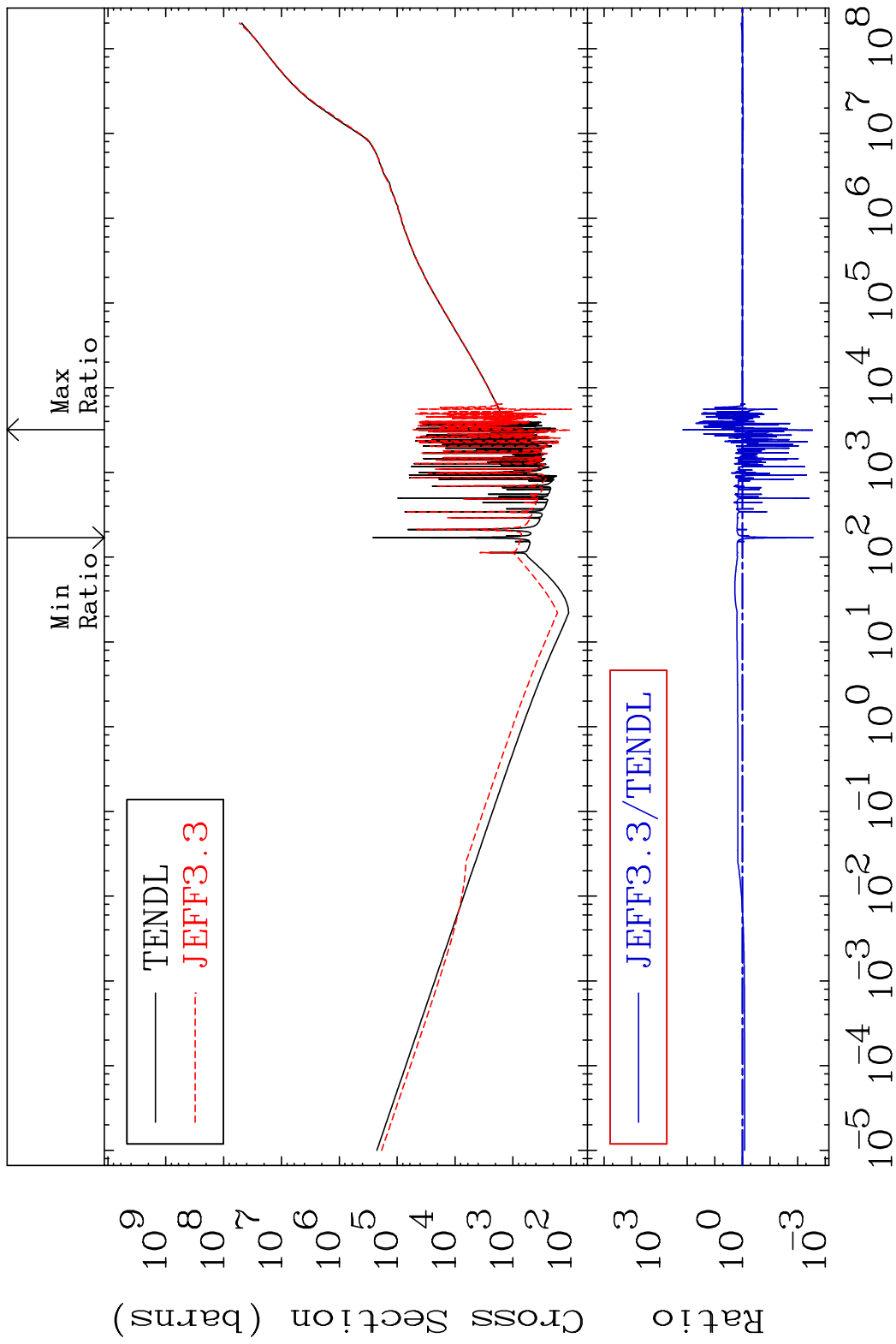
58 Incident Energy (eV) 34-Se-77

MAT 3434 Total photon (eV-barns) 34-Se-77
 Cross Section -99.99 To 9999. %

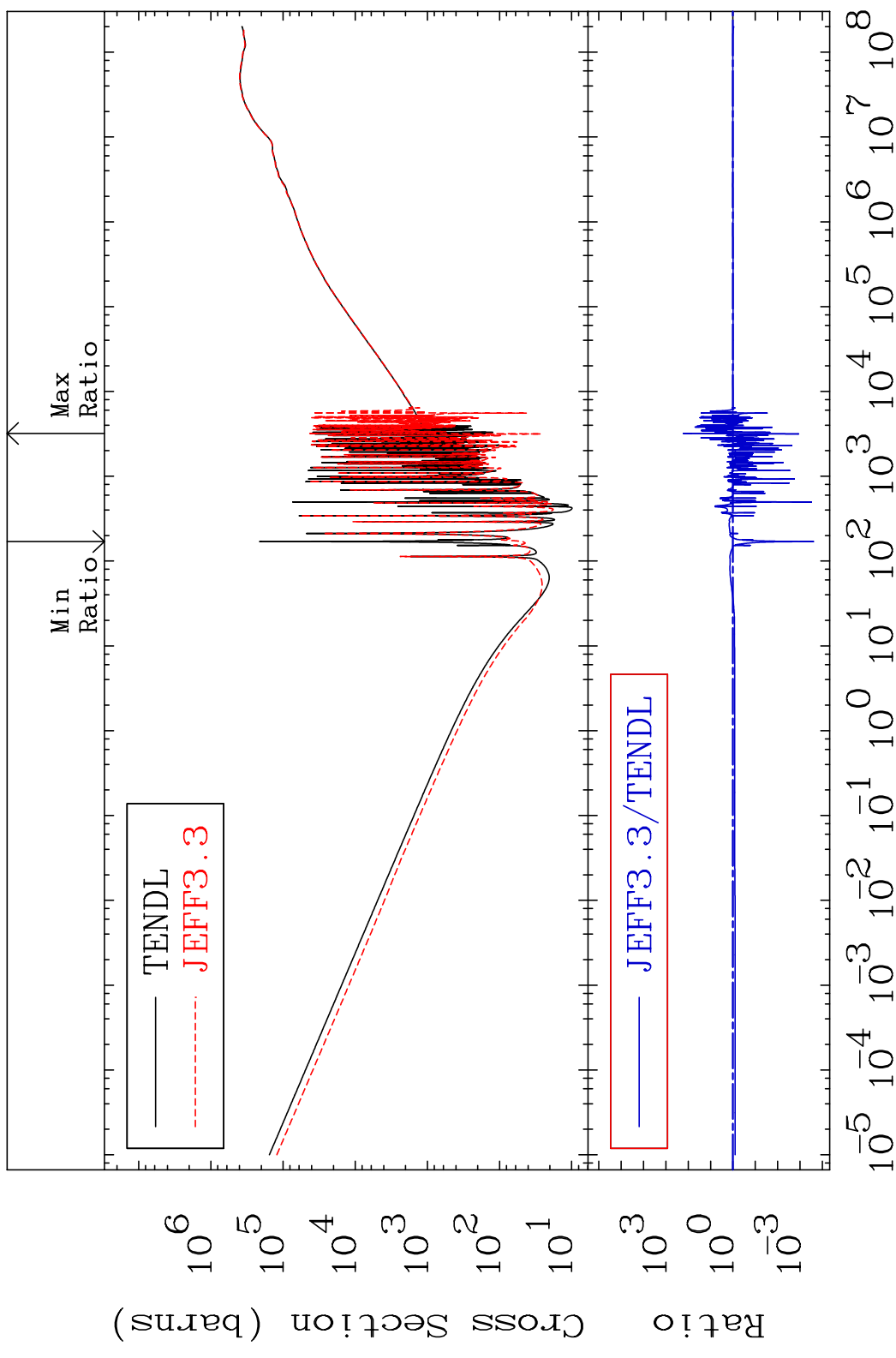


59 Incident Energy (eV) 34-Se-77

MAT 3434 Total kinematic kerma (high limit) 34-Se-77
 Cross Section -99.72 To 9999. %



MAT 3434 Dpa total (eV-barns) 34-Se-77
 Cross Section -99.98 To 9999. %

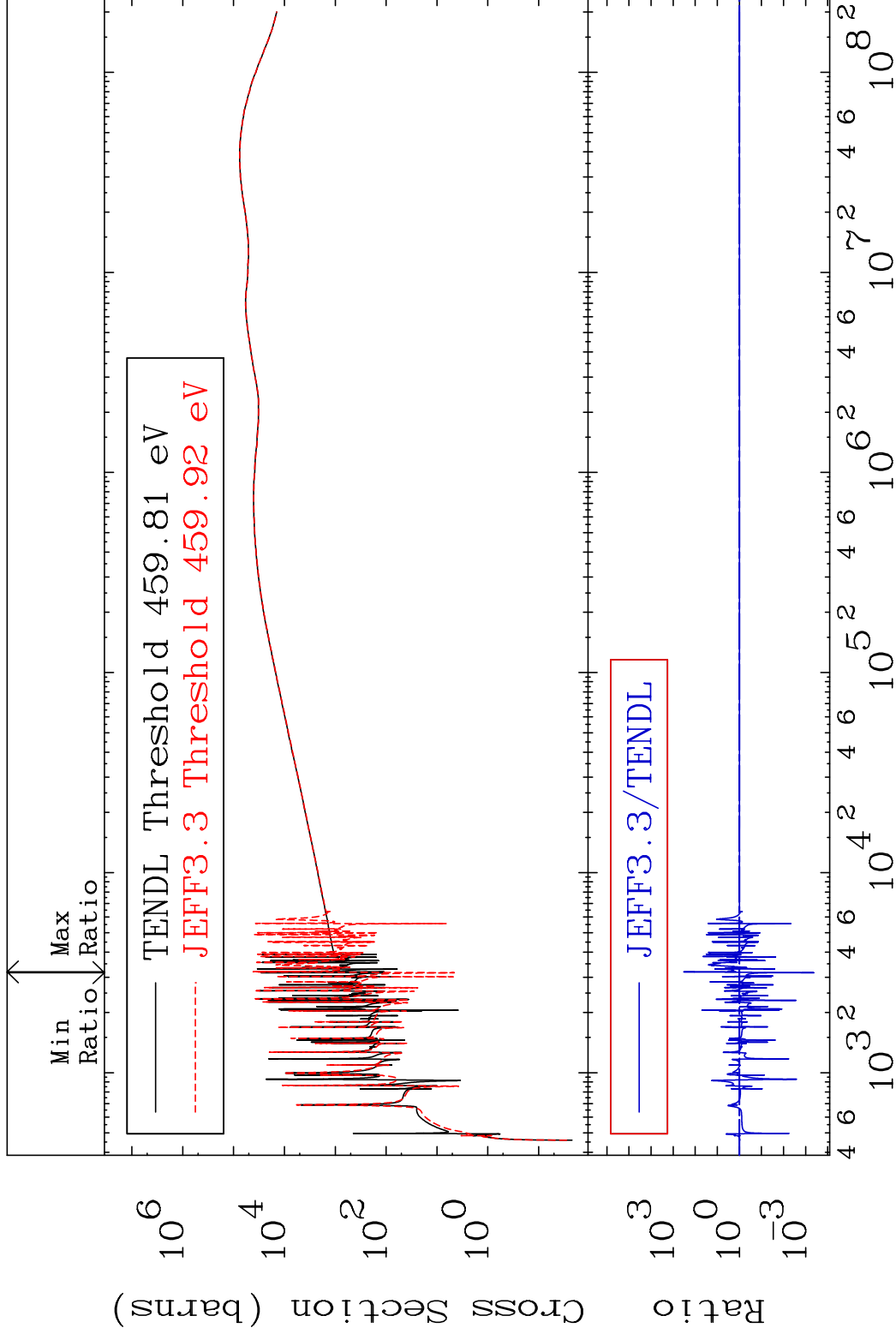


MAT 3434

Dpa elastic (mt2)

34-Se-77

Cross Section -99.96 To 9999. %

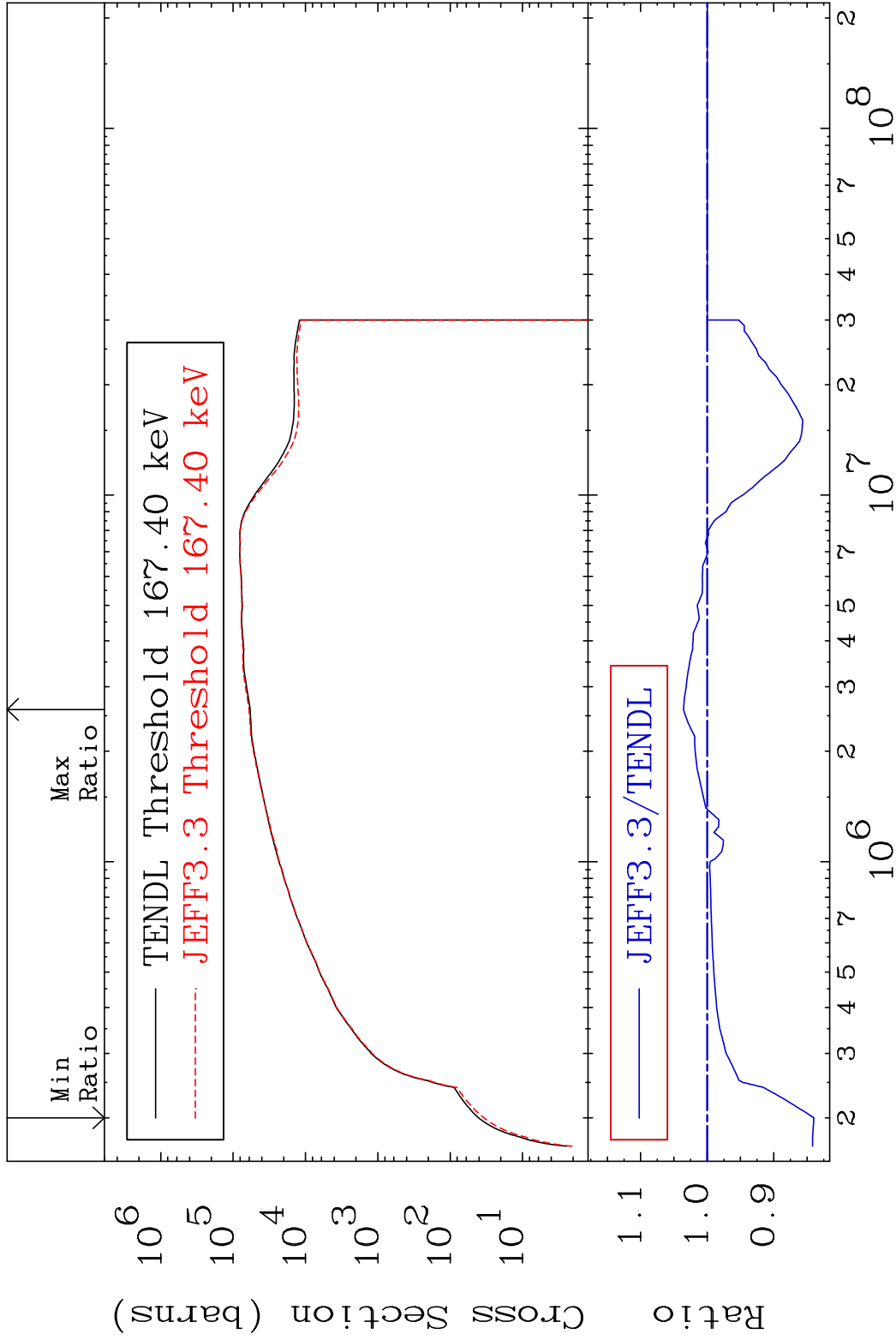


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Incident Energy (eV)

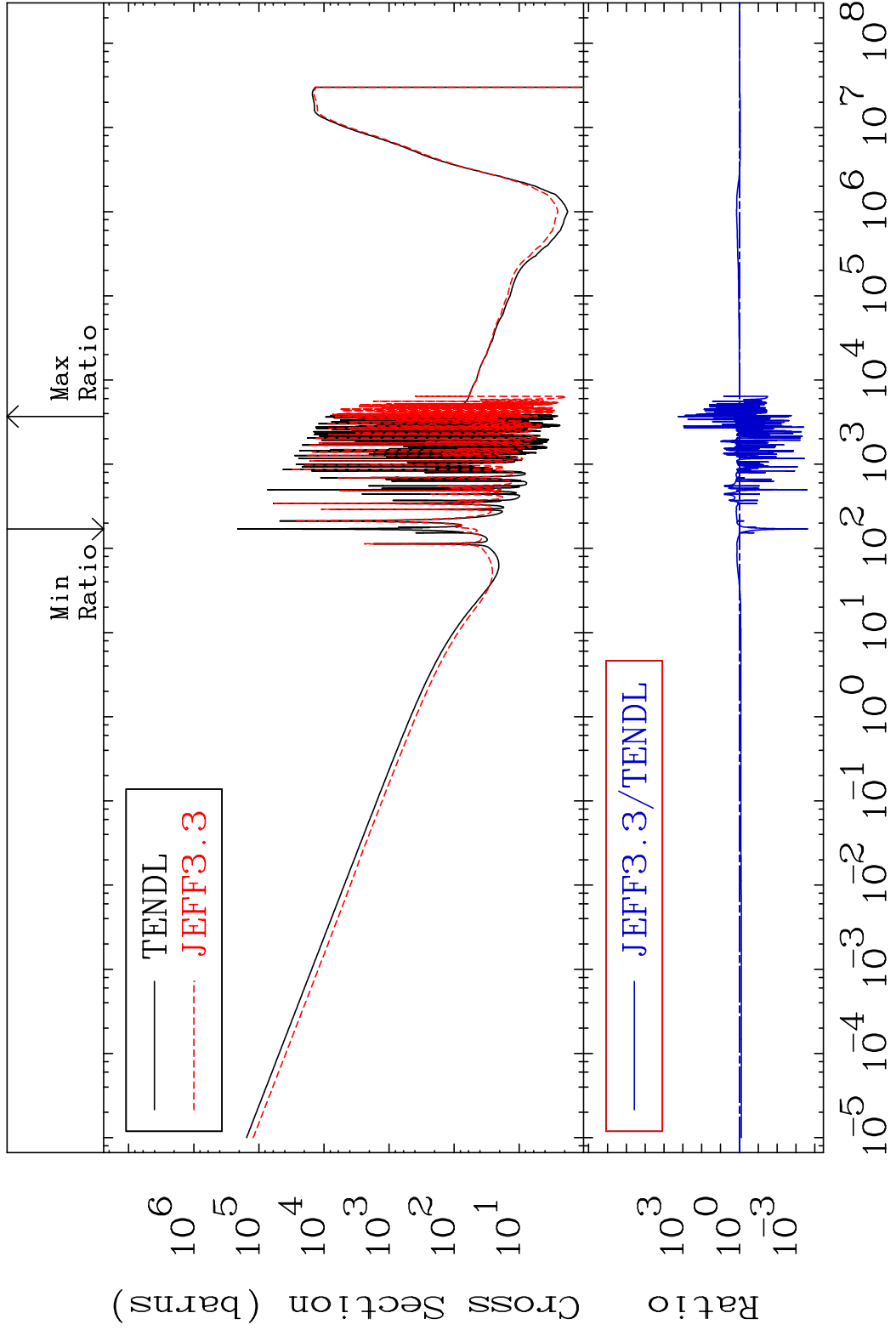
34-Se-77

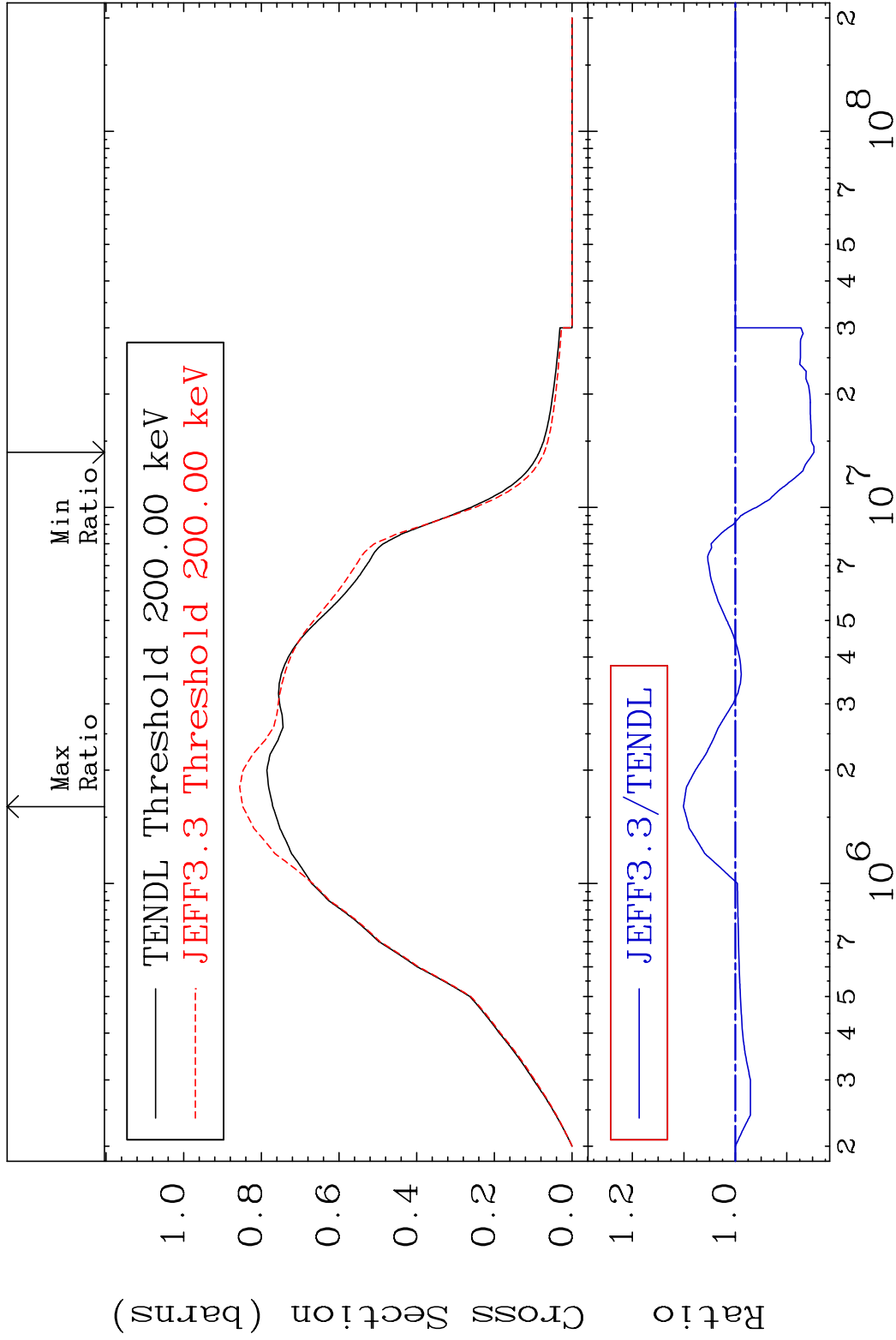
MAT 3434 Dpa inelastic (mt51-91) ³⁴Se-77
 Cross Section -16.03 To 3.567 %

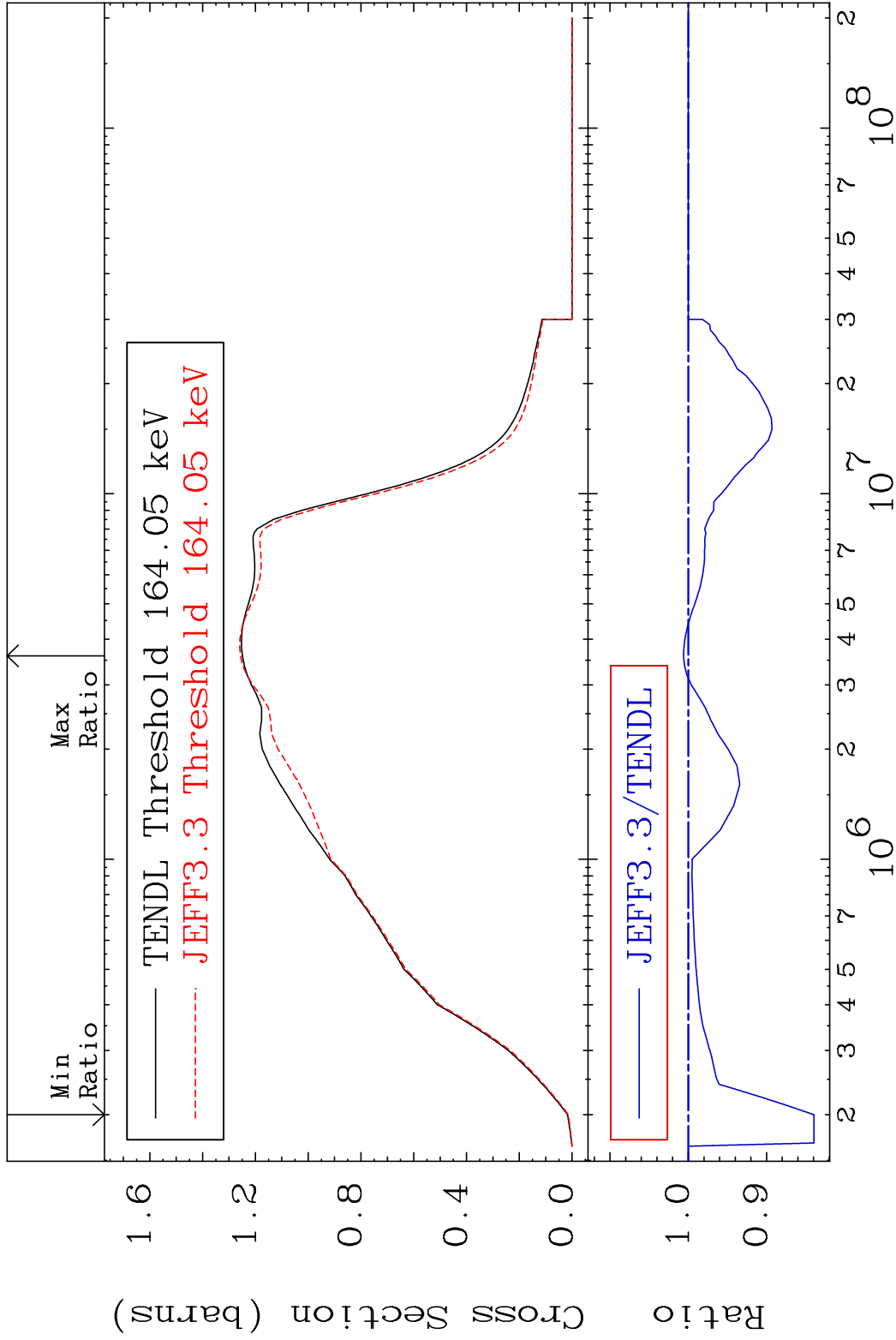


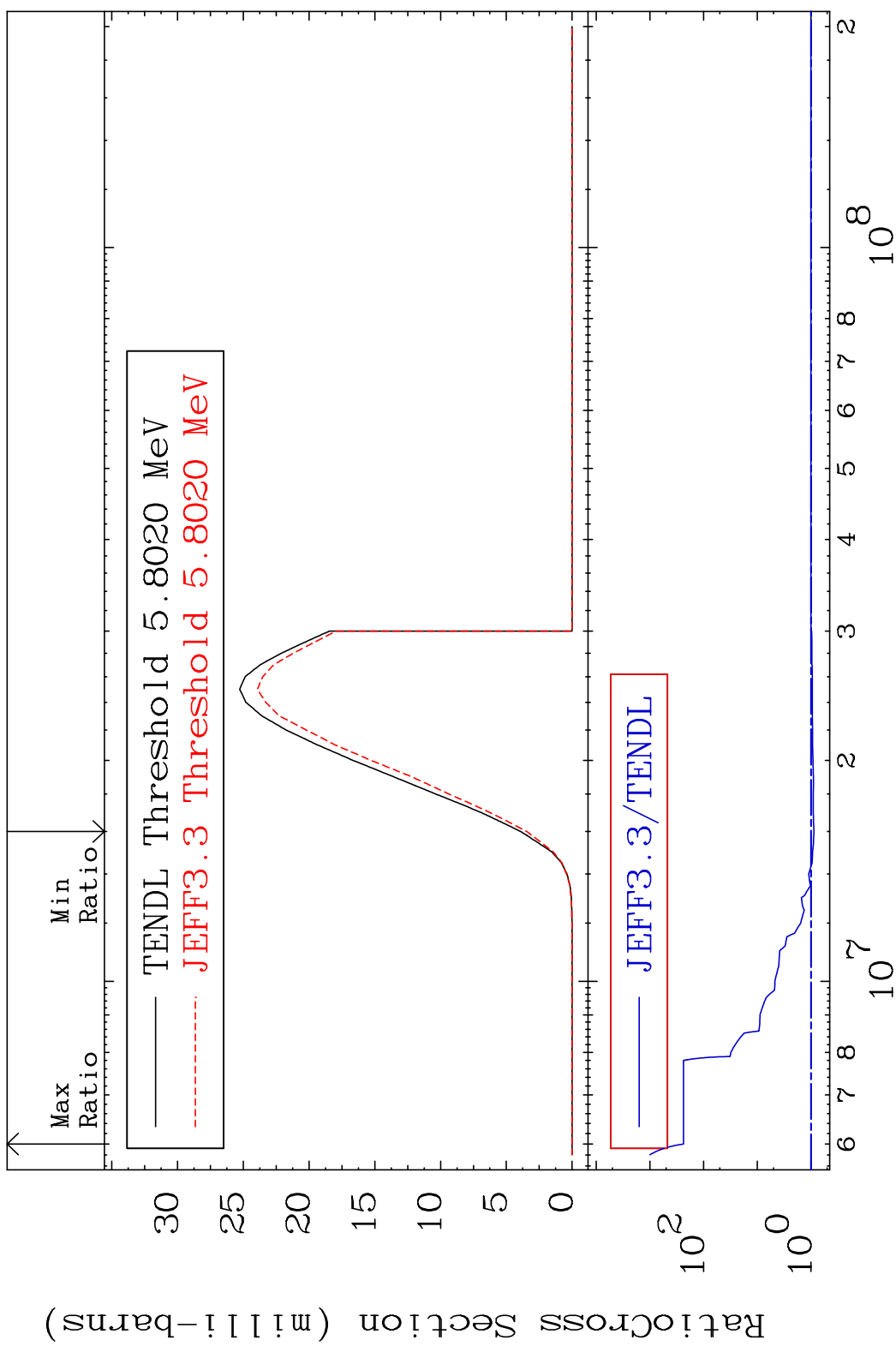
63 Incident Energy (eV) ³⁴Se-77

MAT 3434 Dpa disappearance (mt102 -120) 34-Se-77
 Cross Section -99.98 To 9999. %

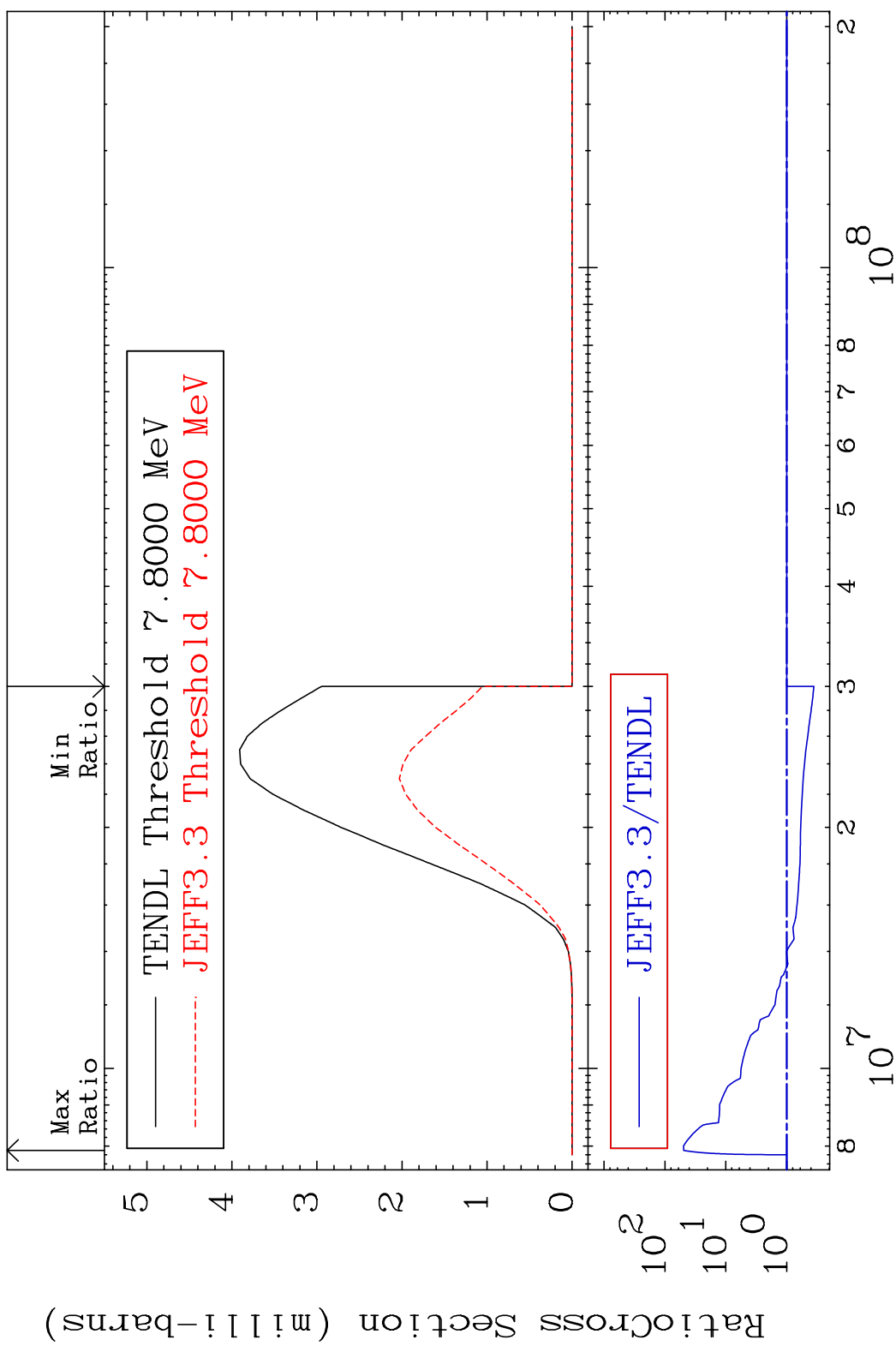




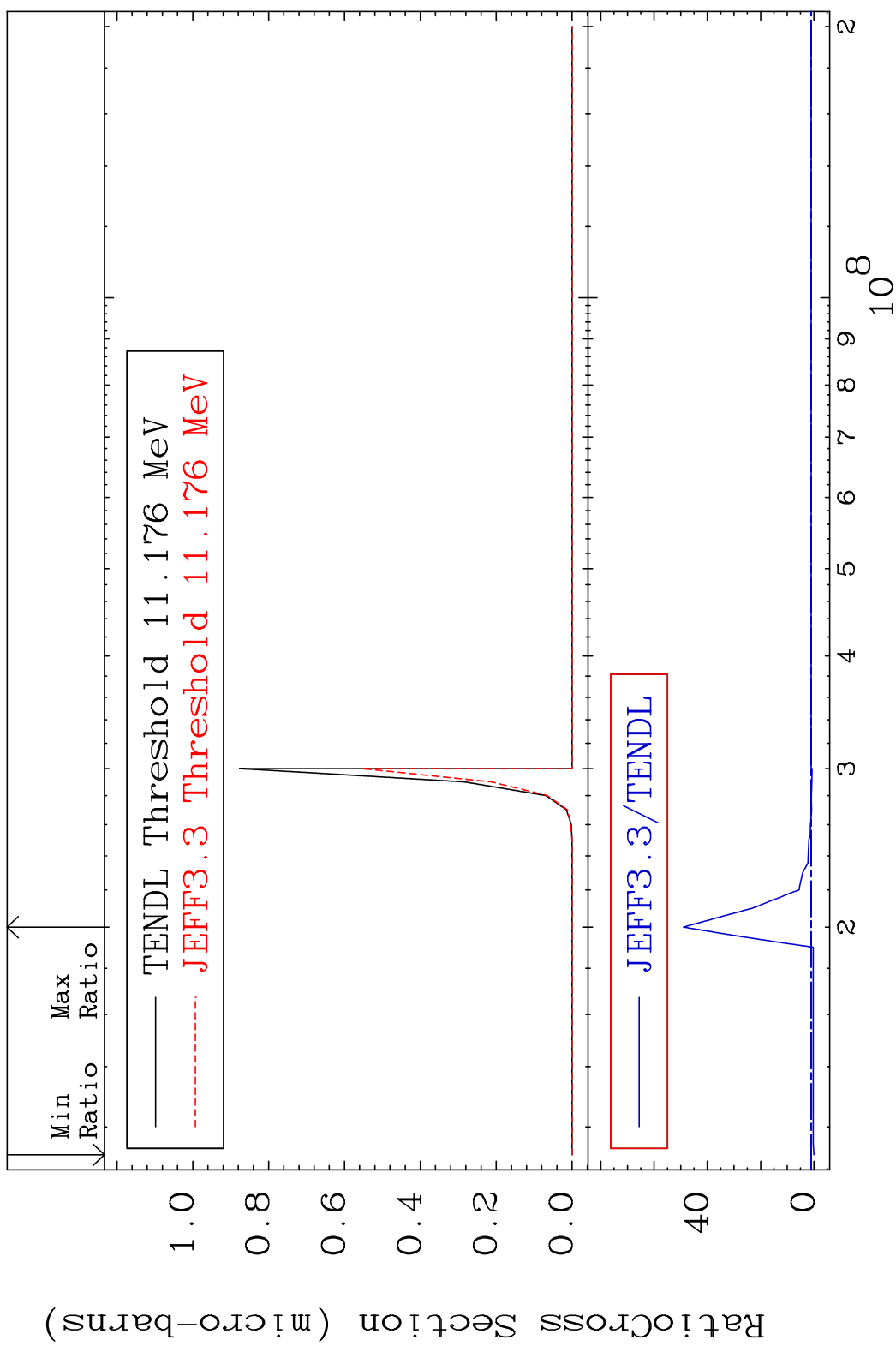




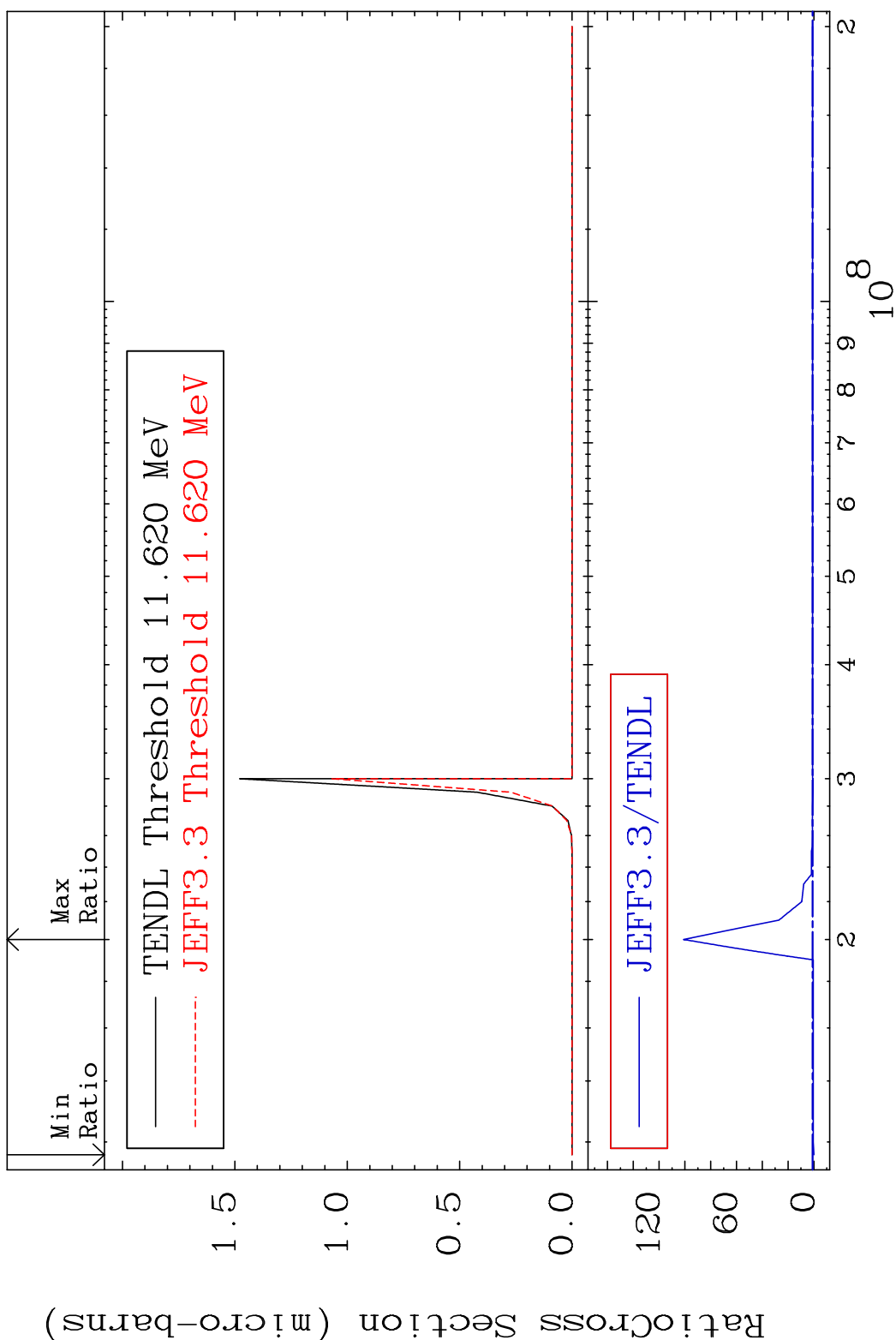
MAT 3434 (n, n') α :32-Ge-73m2 34-Se-77
 Radionuclide Production Cross Section 68.24 dtd 4865. %



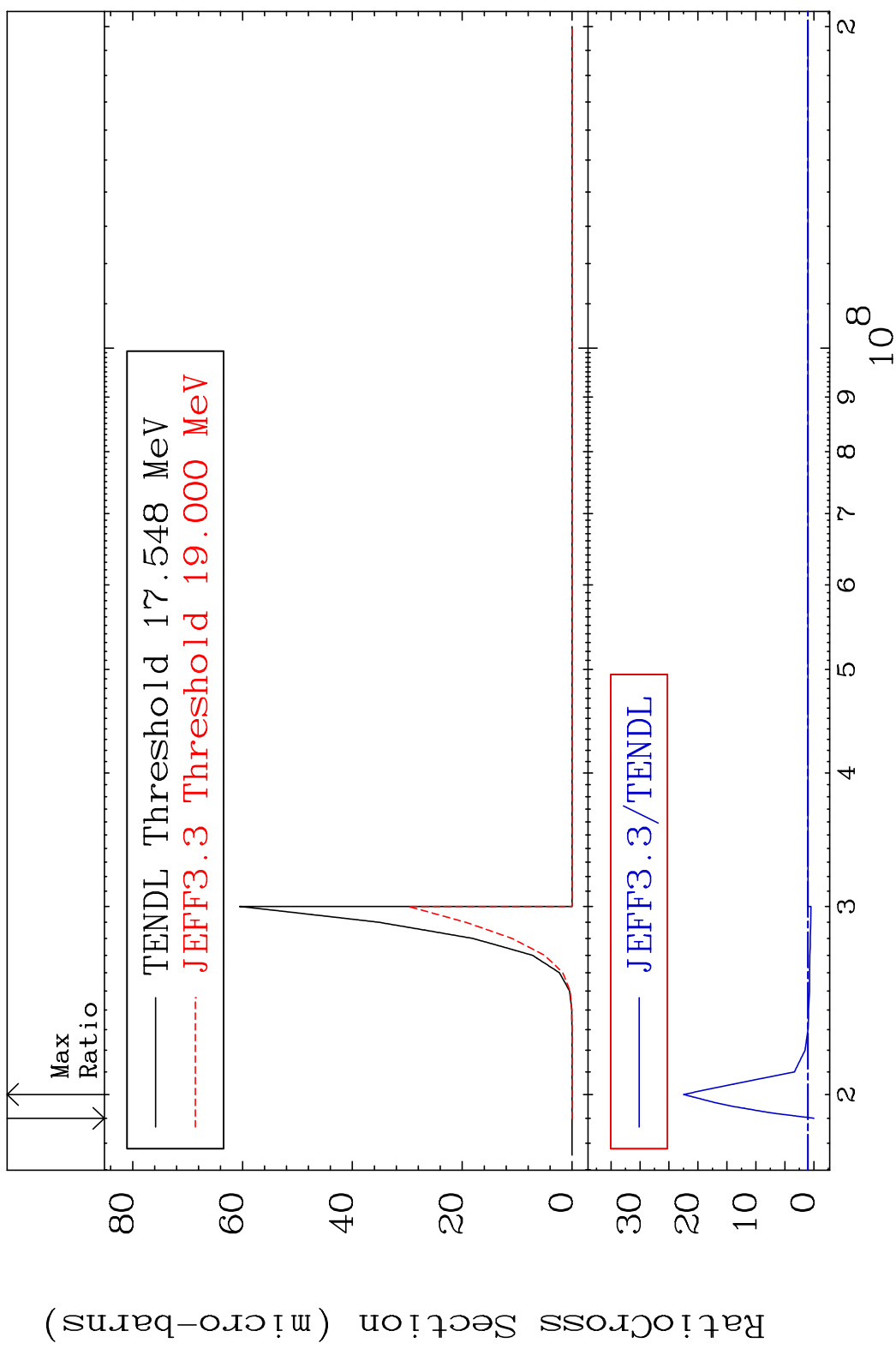
68 Incident Energy (eV) 34-Se-77

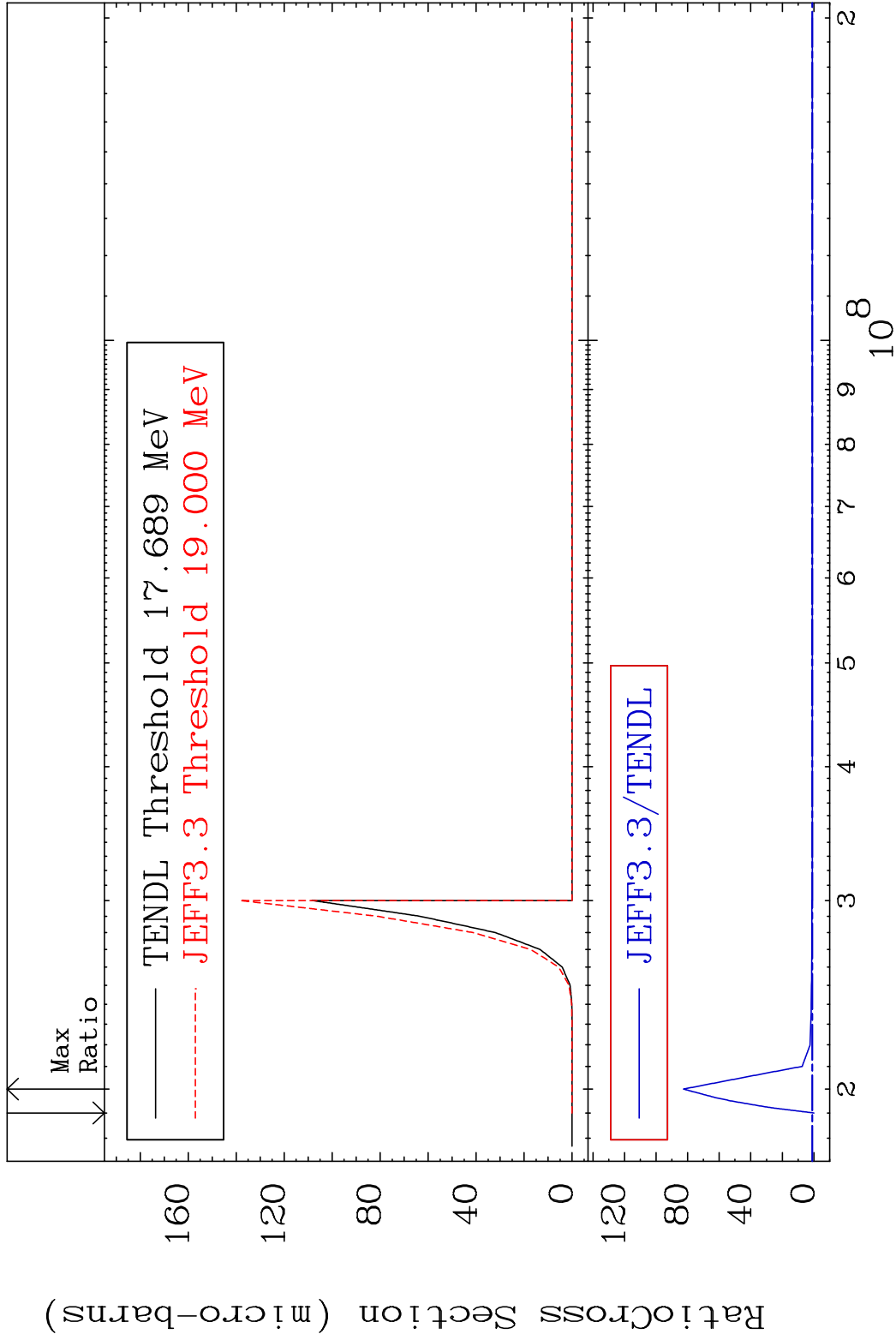


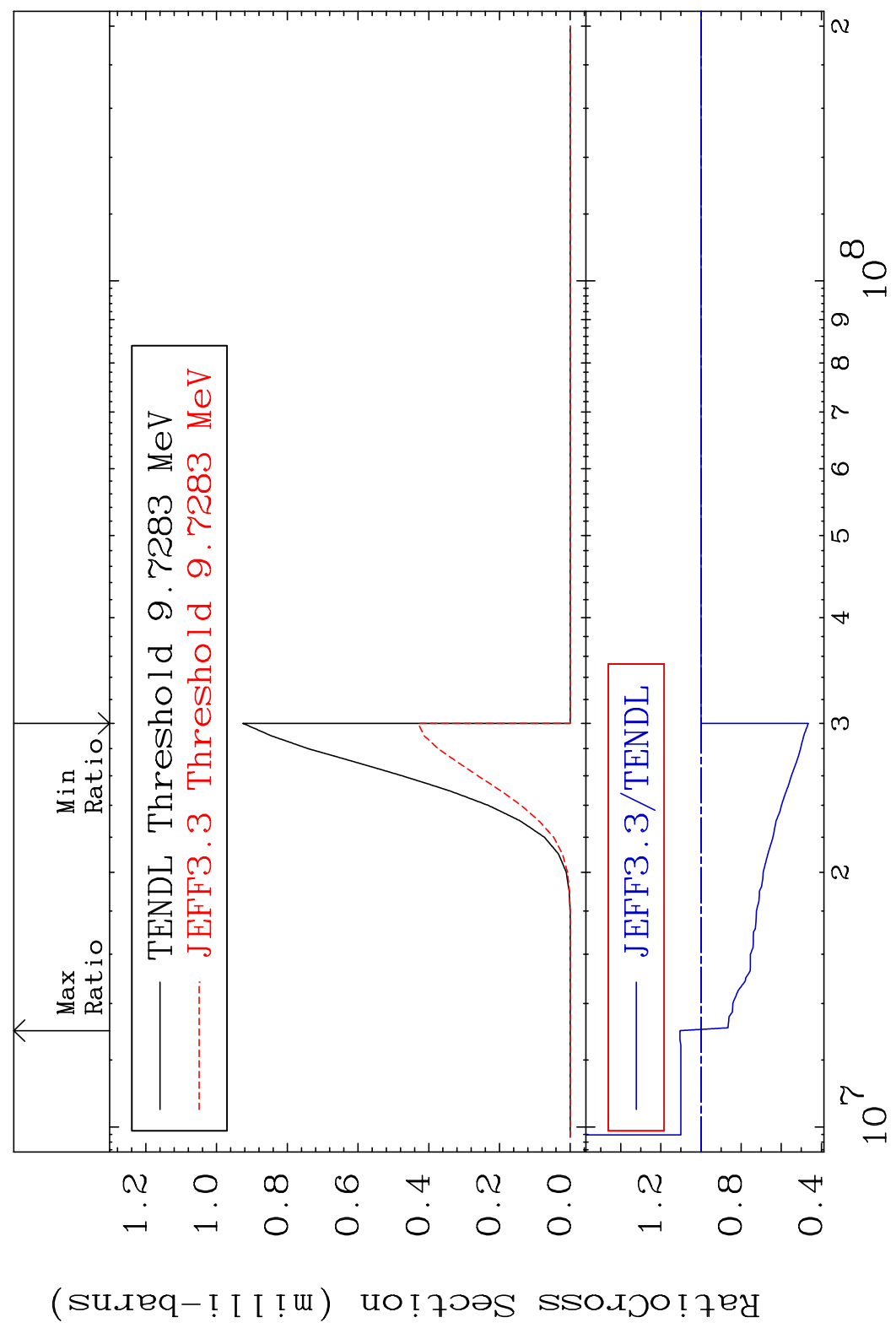
MAT 3434 (n, n') ^{24}Mg - ^{30}Zn -69m1 ^{34}Se -77
 Radionuclide Production Cross Section 180000 dth 9999. %



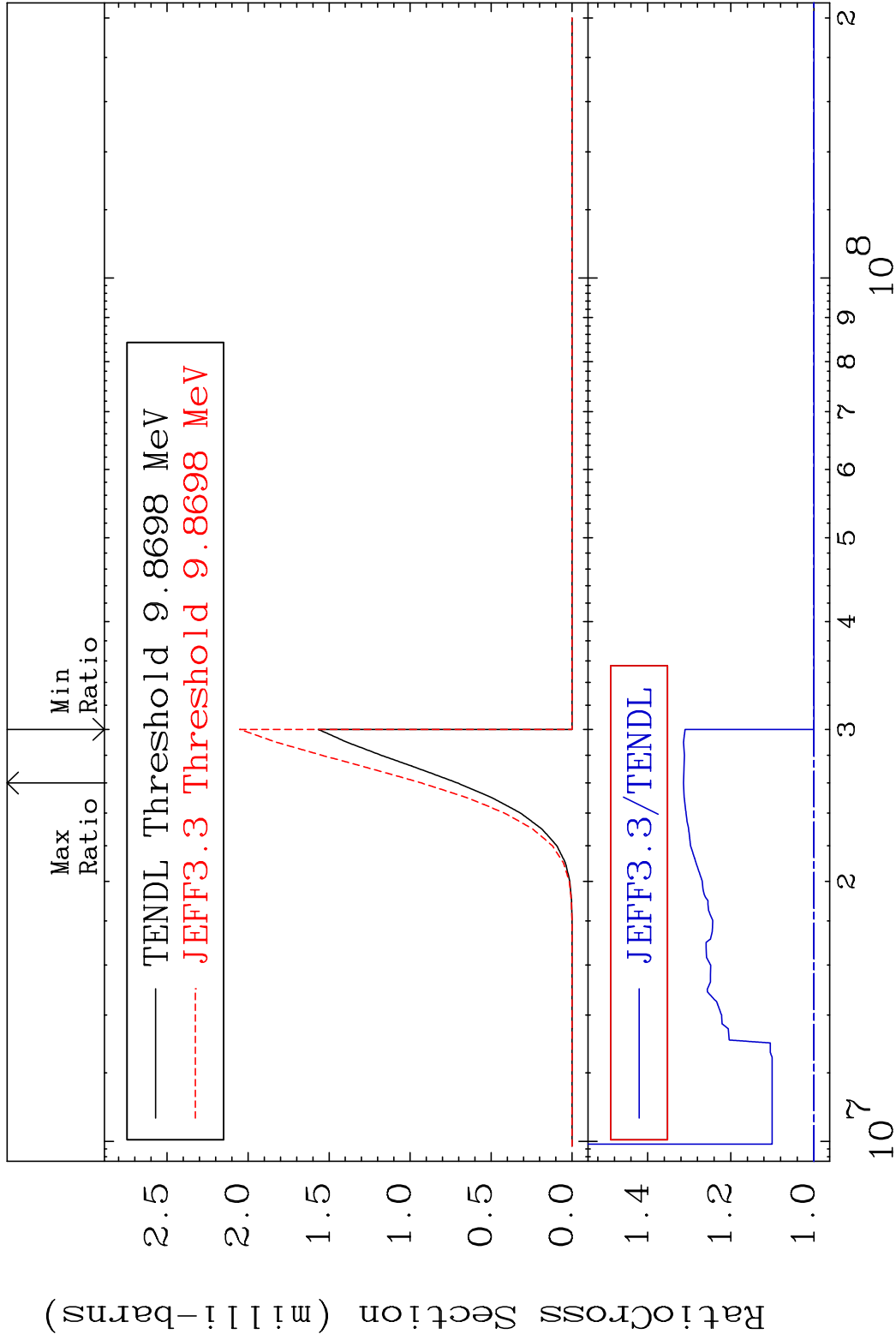
70 Incident Energy (eV) ^{34}Se -77



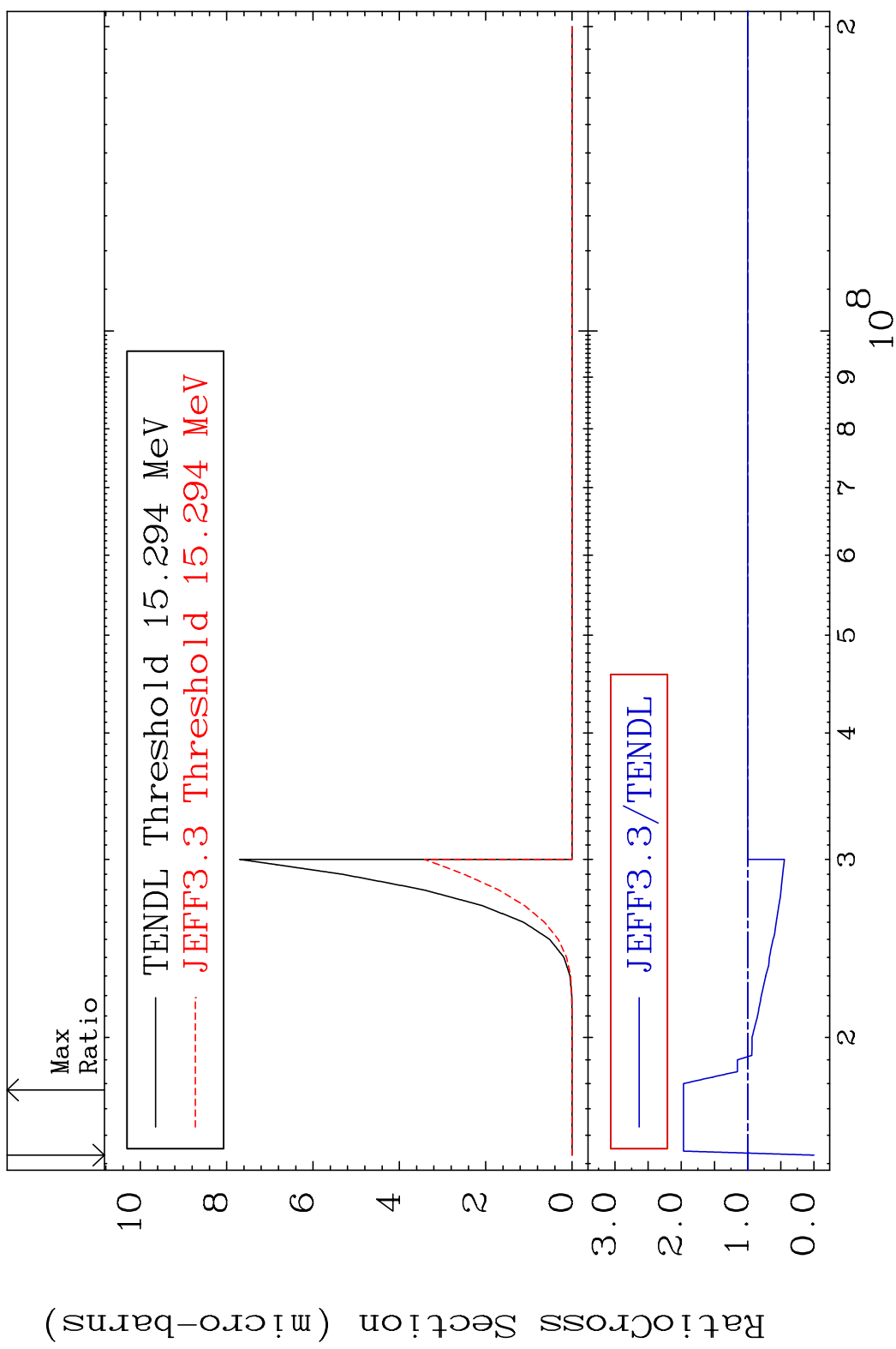




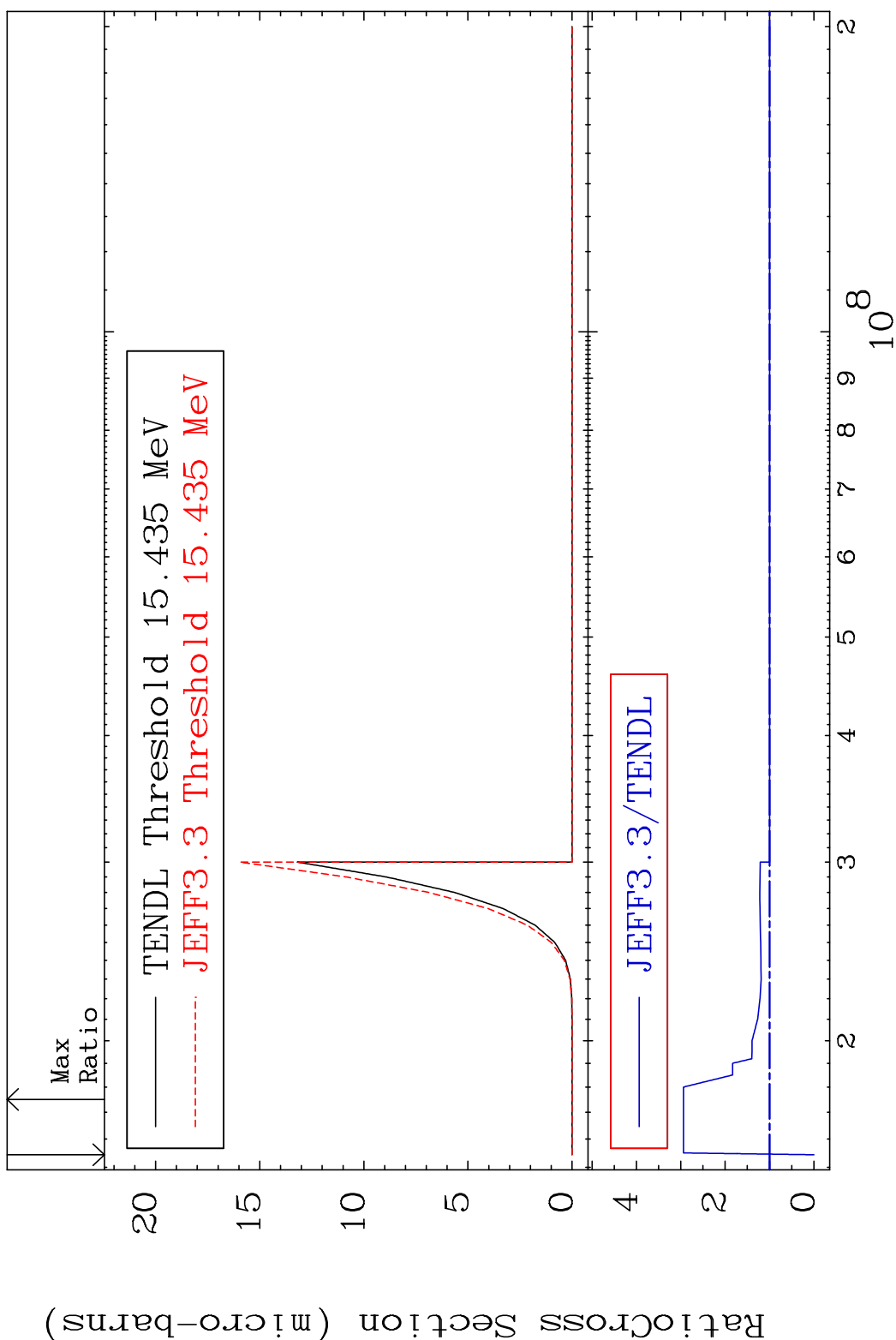
MAT 3434 (n, He-3) : 32-Ge-75m2 34-Se-77
 Radionuclide Production Cross Section 31.39 %



74 Incident Energy (eV) 34-Se-77



MAT 3434 (n, p) d:32-Ge-75m2 34-Se-77
 Radionuclide Production Cross Section 194.0 %



76 Incident Energy (eV) 34-Se-77