

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

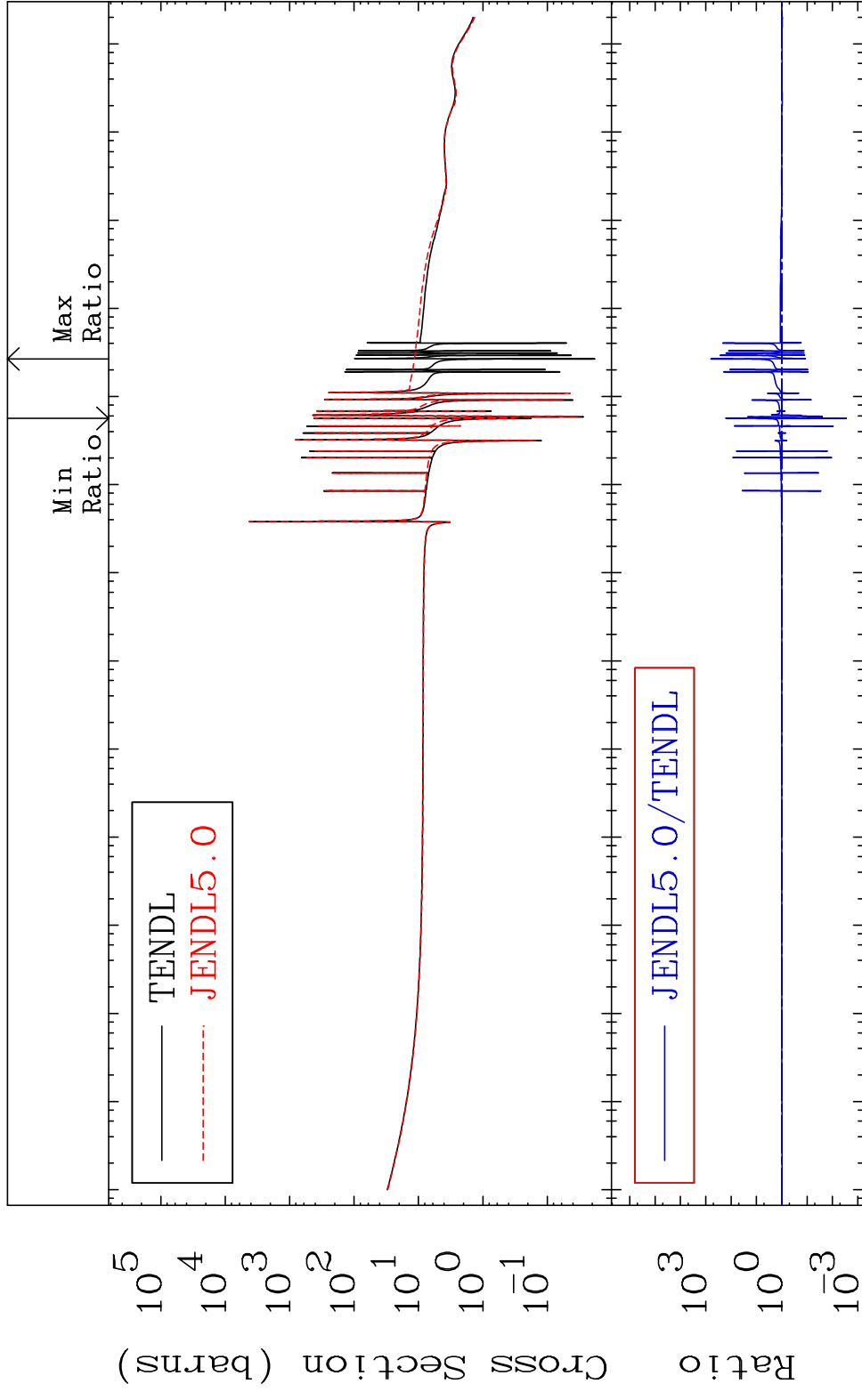
MAT 3437

Total

34-Se-78

Cross Section

-99.72 To 9999. %



1

Incident Energy (eV)

34-Se-78

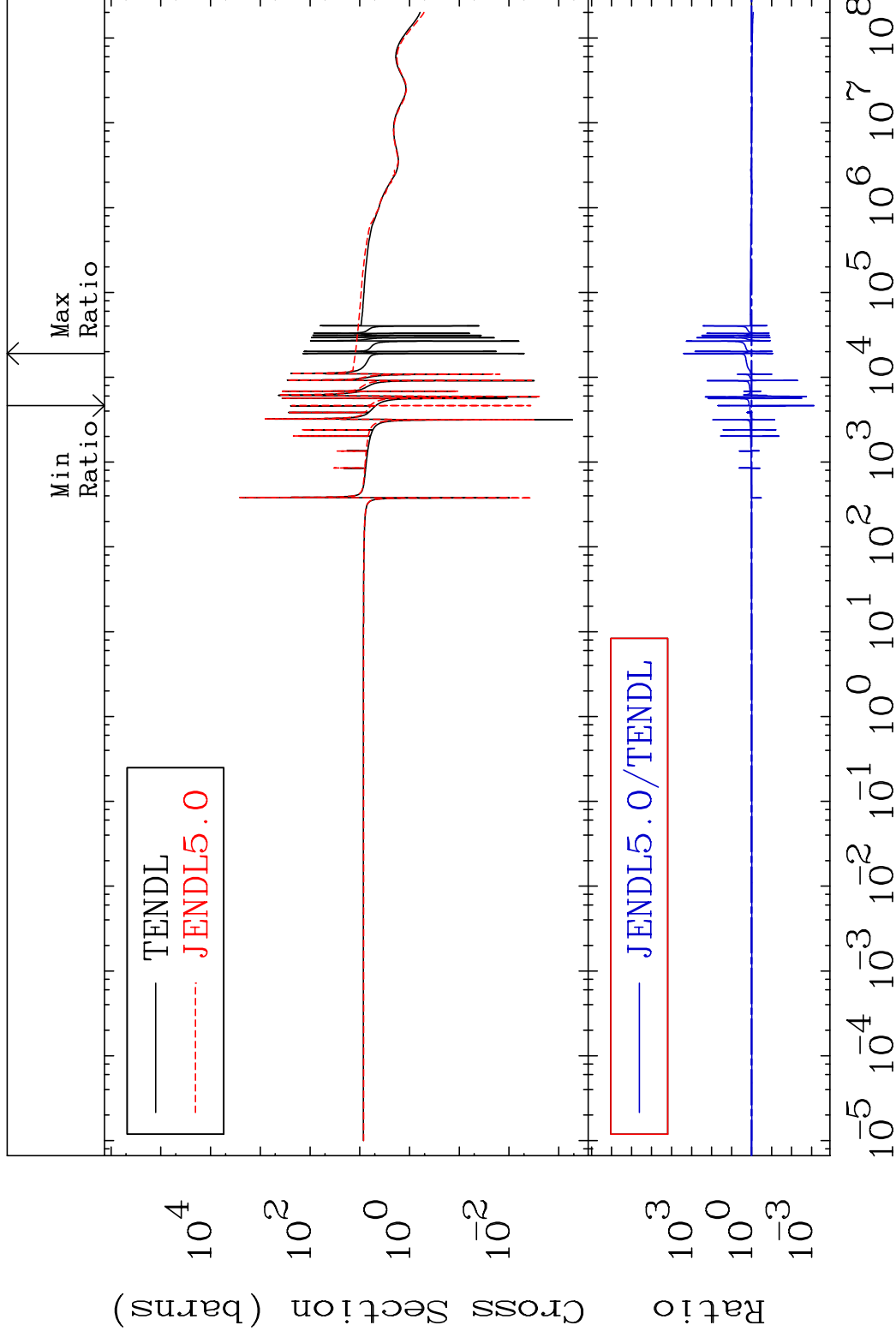
MAT 3437

Elastic

34-Se-78

Cross Section

-99.92 To 9999. %

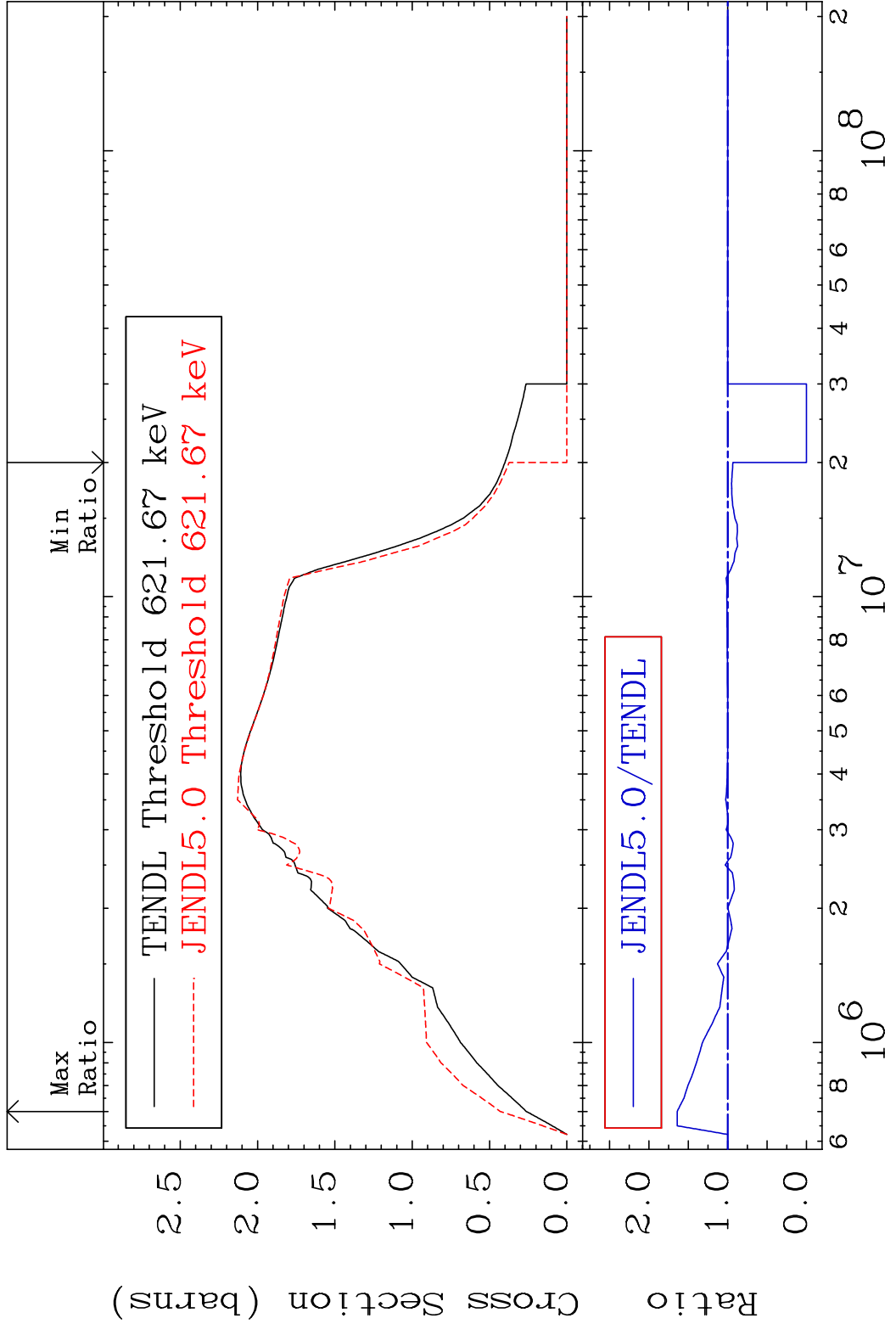


2

Incident Energy (eV)

34-Se-78

MAT 3437 Inelastic Cross Section -100.0 To 64.06 % 34-Se-78



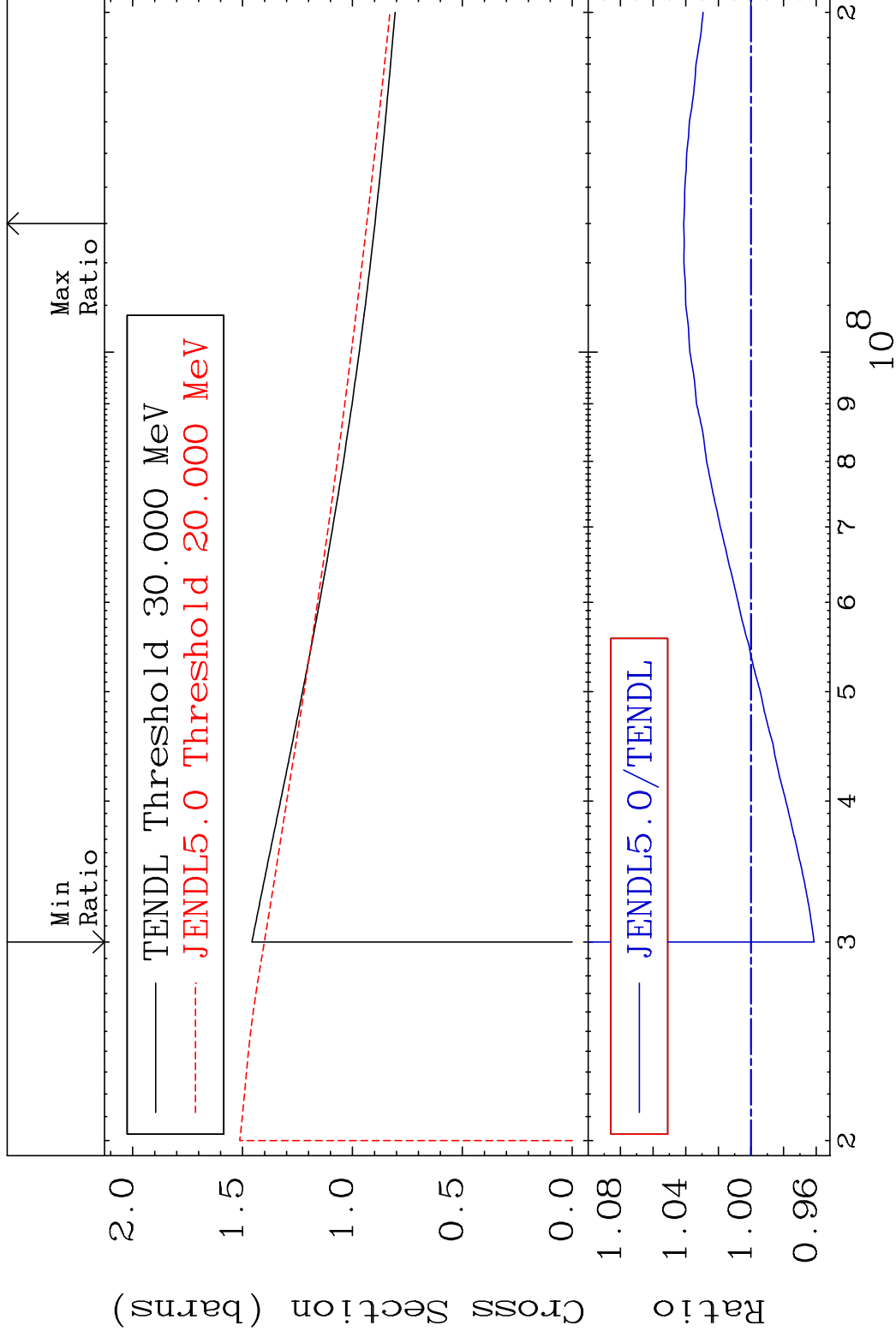
3 34-Se-78

MAT 3437

(n, remainder)

34-Se-78

Cross Section -3.869 To 4.124 %

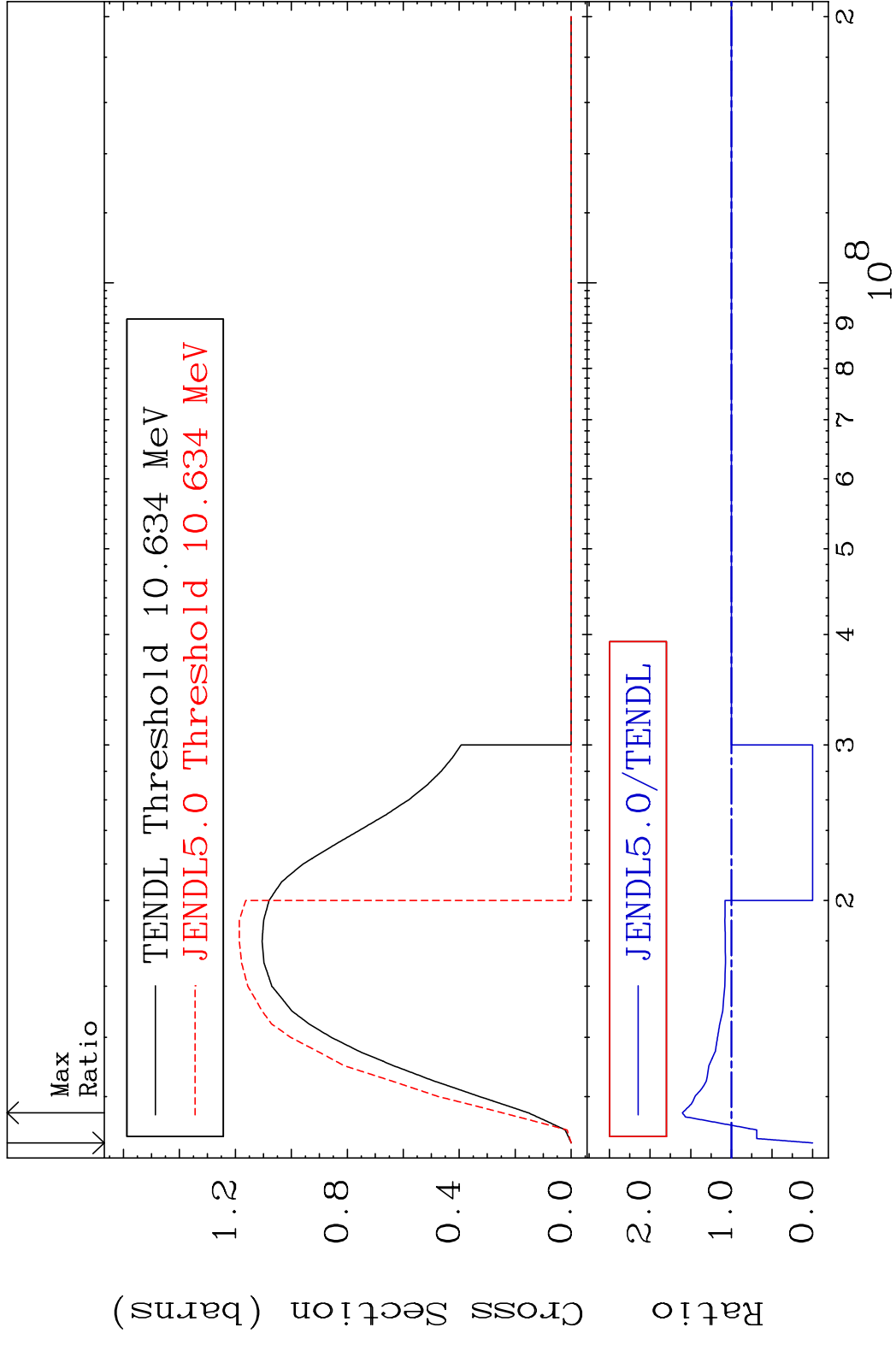


4

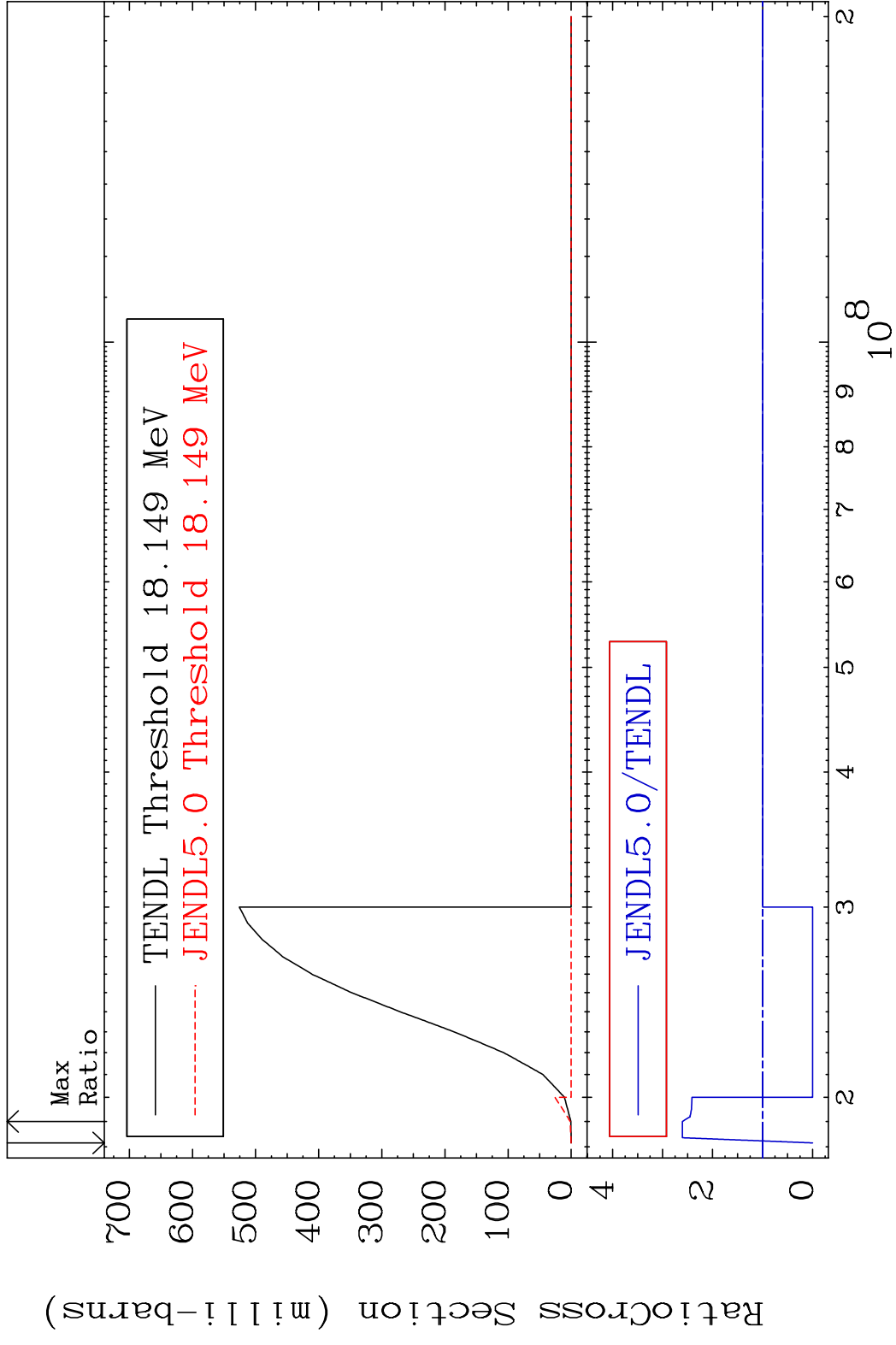
Incident Energy (eV)

34-Se-78

MAT 3437 (n,2n) 34-Se-78
 Cross Section -100.0 To 60.29 %



MAT 3437 (n,3n) 34-Se-78
 Cross Section -100.0 To 160.5 %

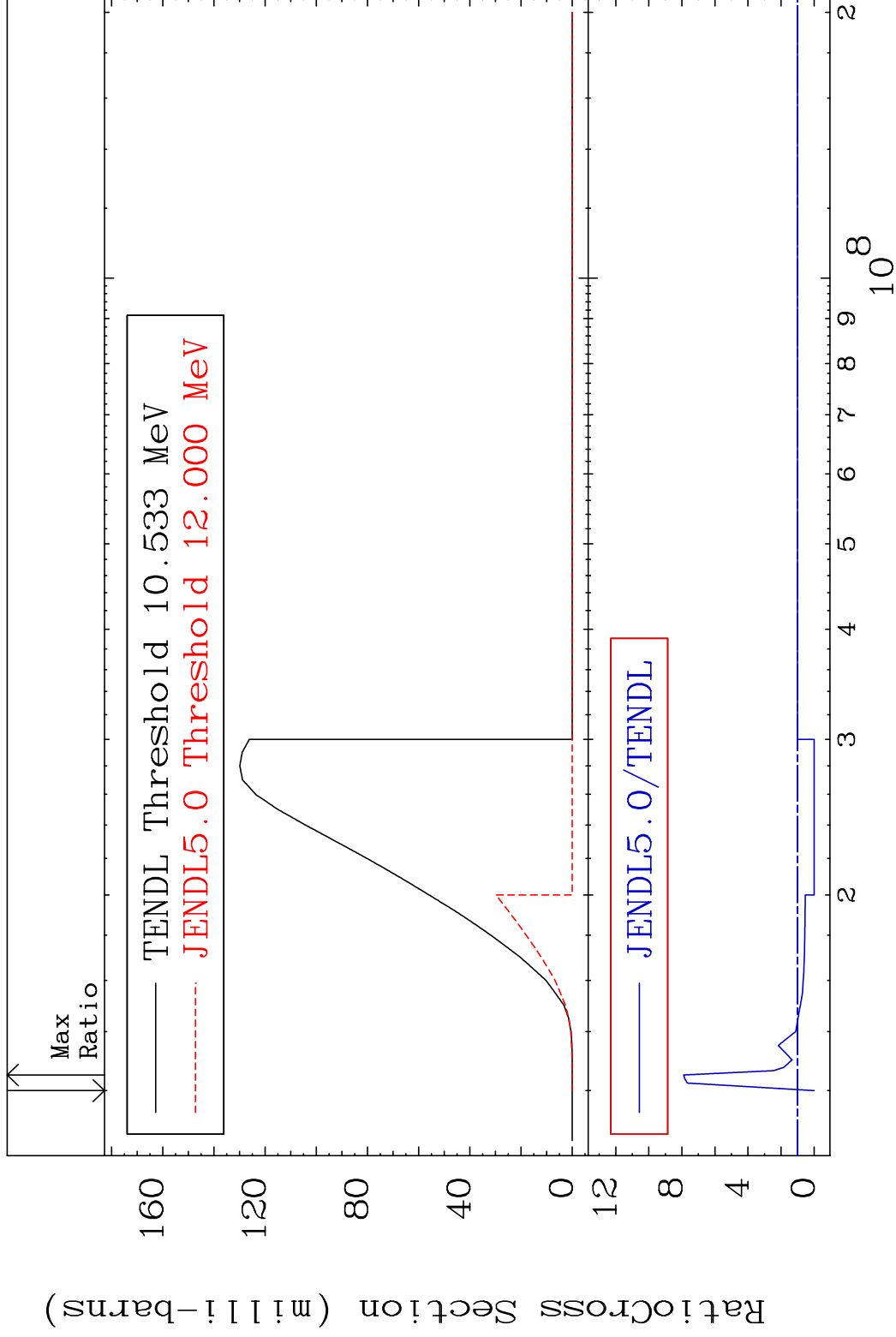


MAT 3437

(n, n') p

³⁴Se-78

Cross Section -100.0 To 689.1 %

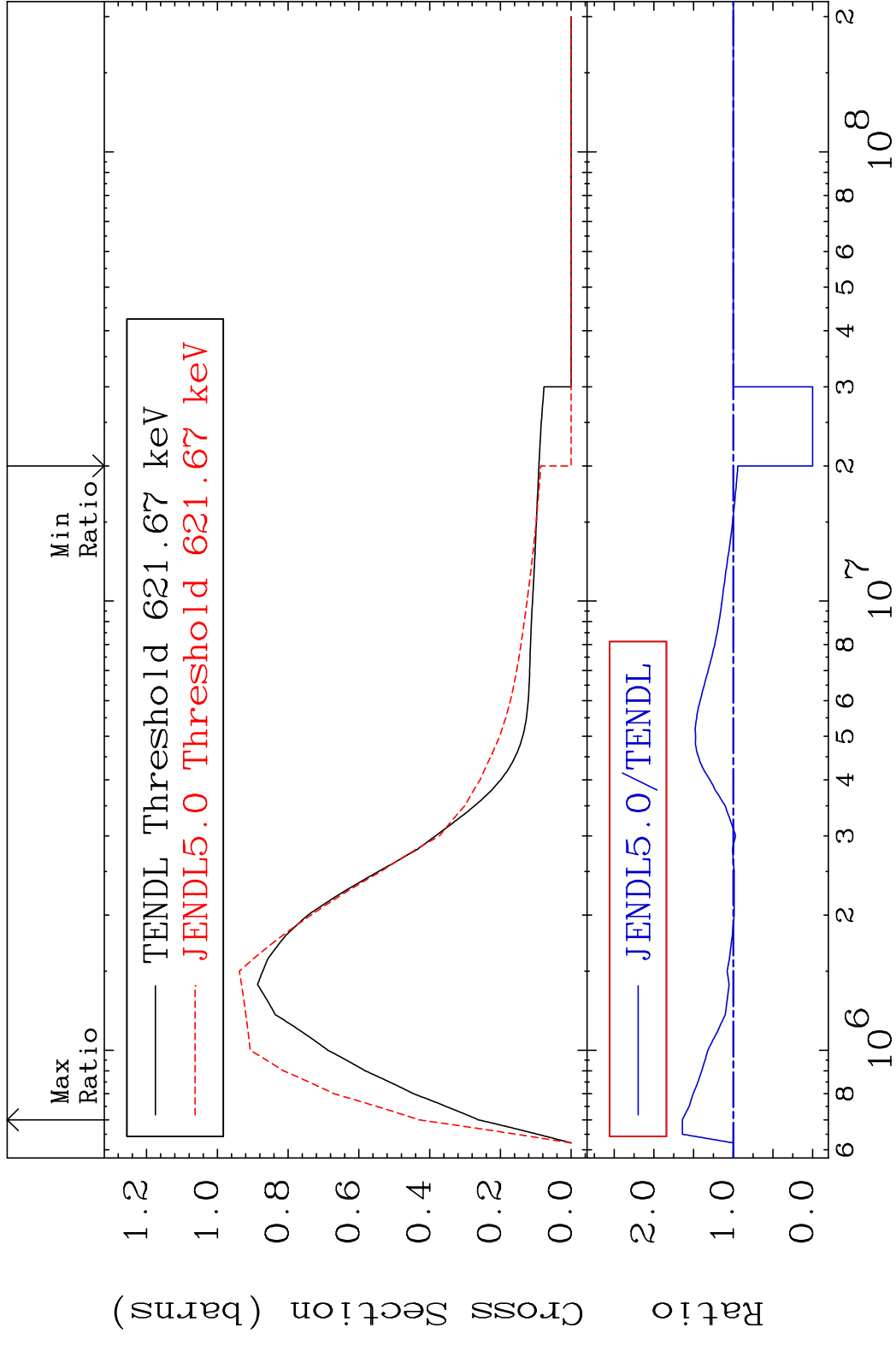


8

Incident Energy (eV)

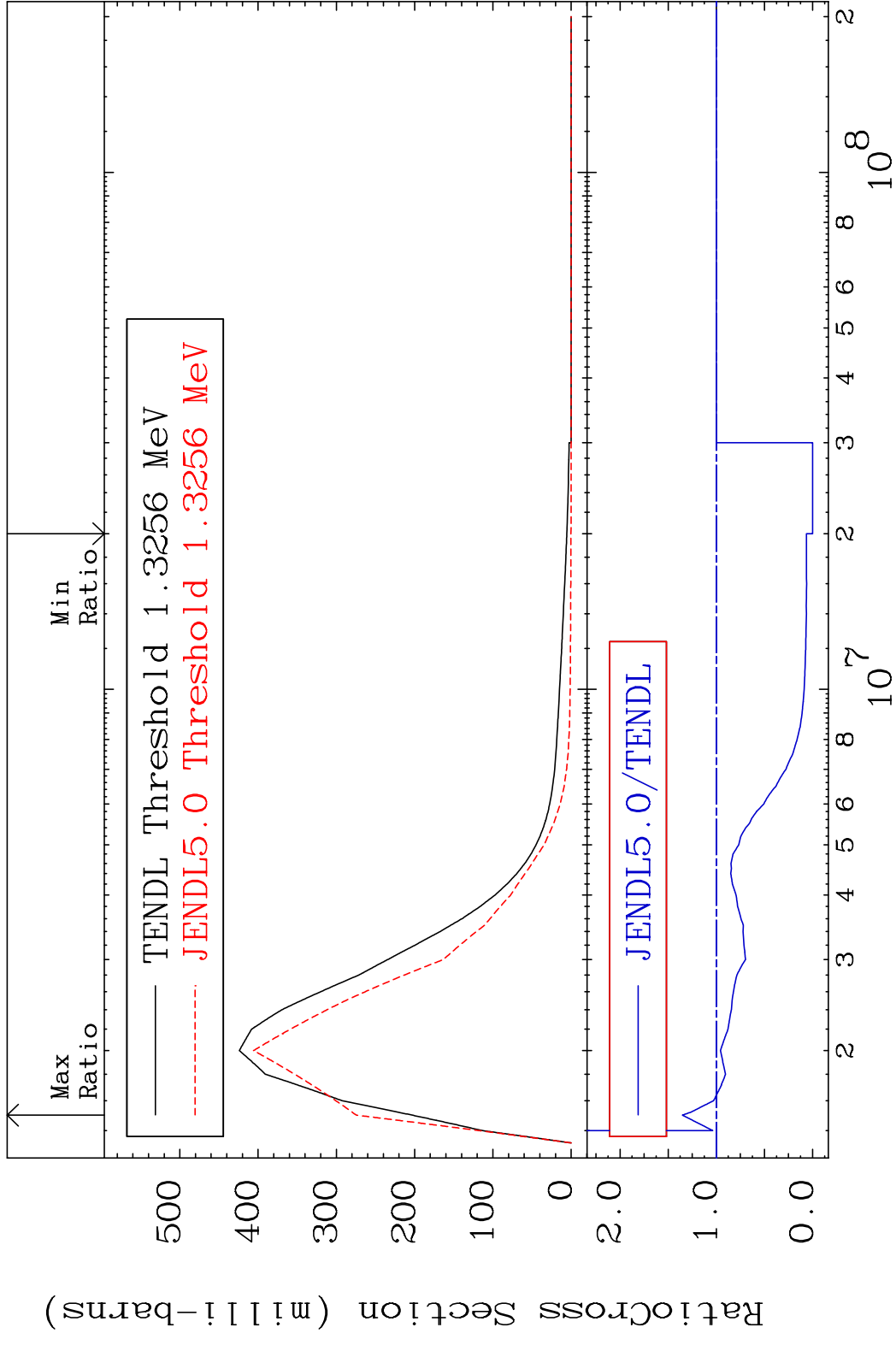
³⁴Se-78

MAT 3437 MT= 51 (n, n') Level 34-Se-78
 Cross Section -100.0 To 64.06 %



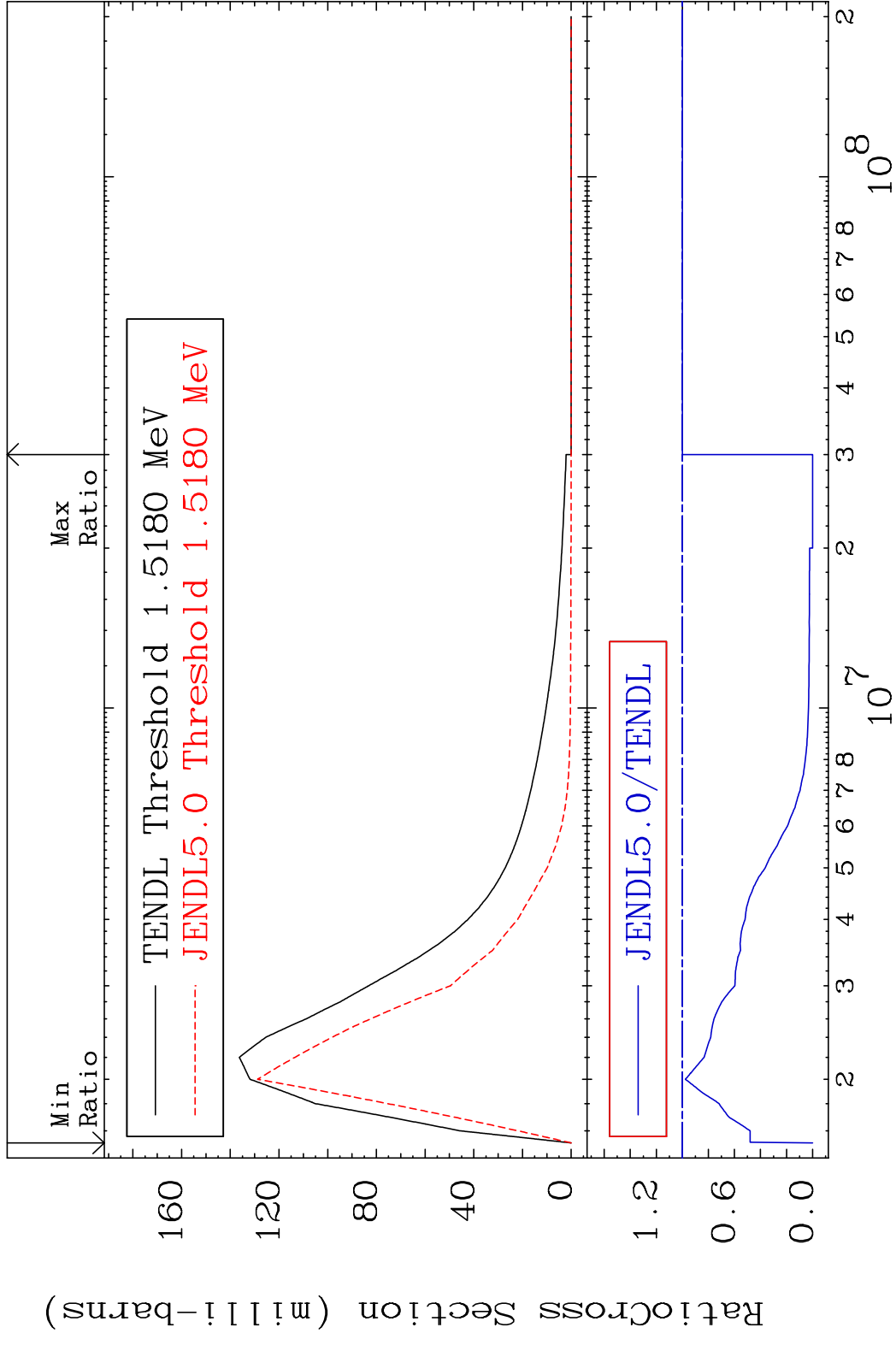
9 Incident Energy (eV) 34-Se-78

MAT 3437 MT= 52 (n, n') Level 34-Se-78
 Cross Section -100.0 To 35.27 %

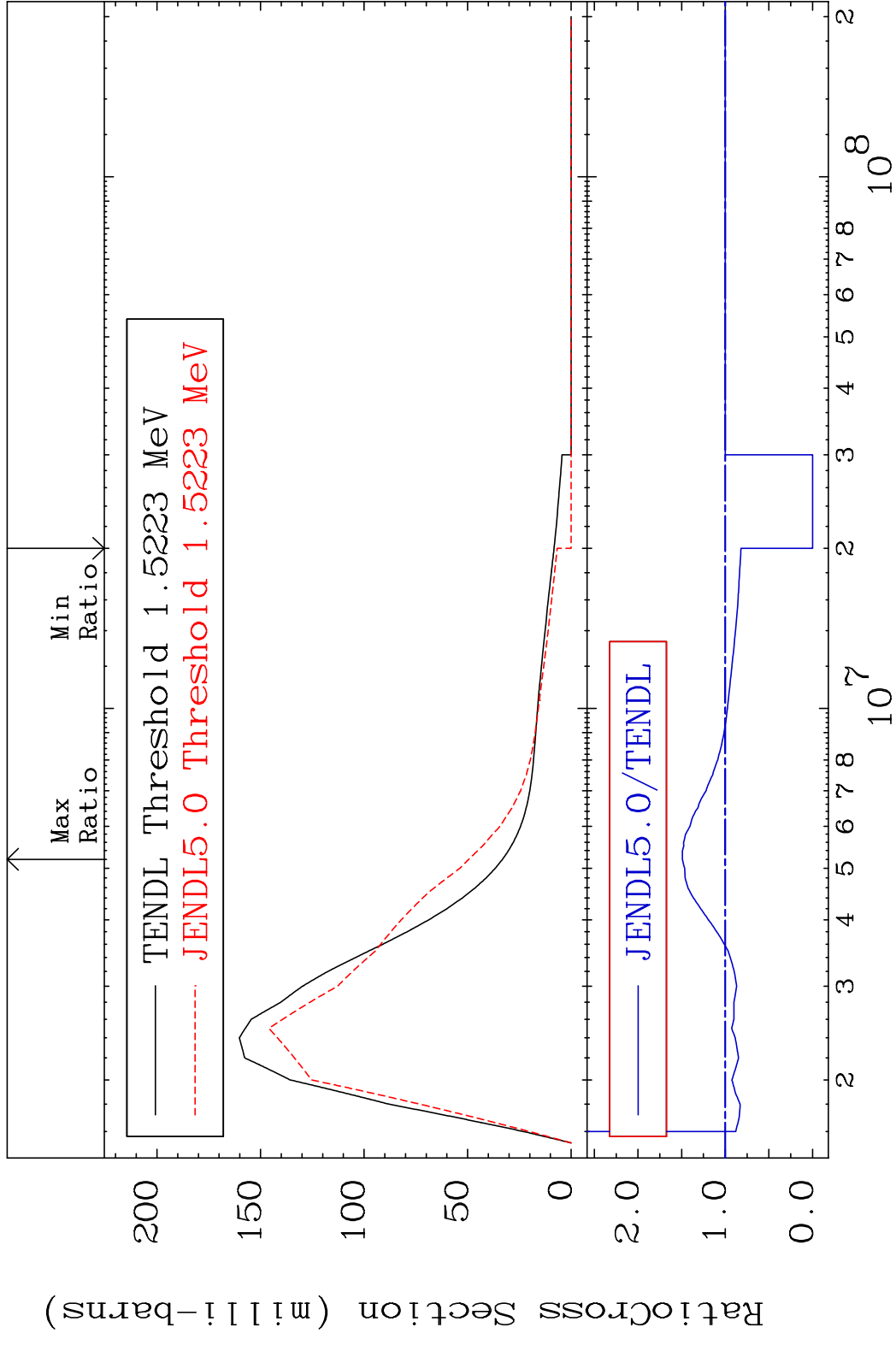


10 Incident Energy (eV) 34-Se-78

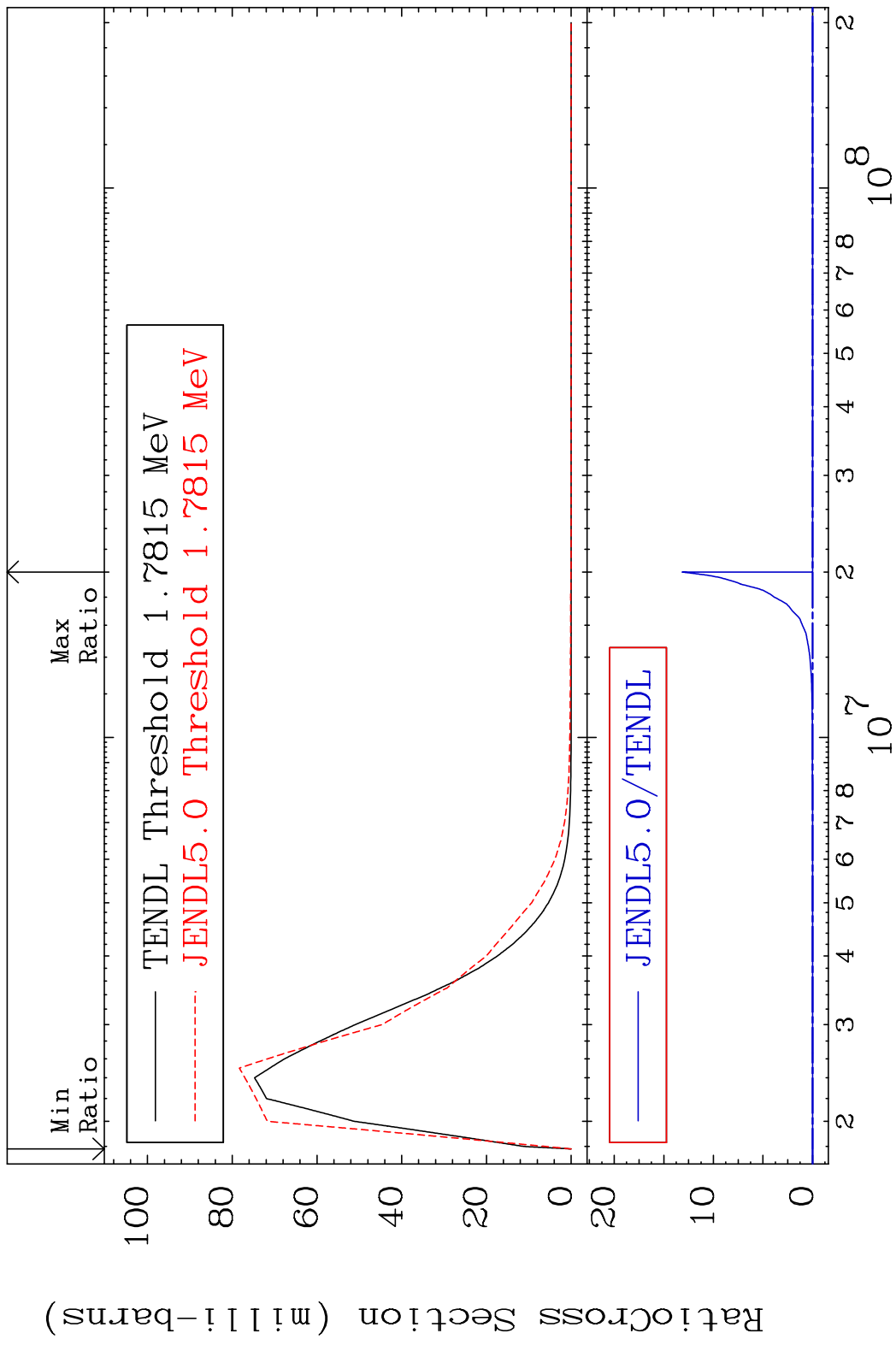
MAT 3437 MT= 53 (n, n') Level 34-Se-78
 Cross Section -100.0 To 0.000 %



MAT 3437 MT= 54 (n, n') Level 34-Se-78
 Cross Section -100.0 To 49.19 %

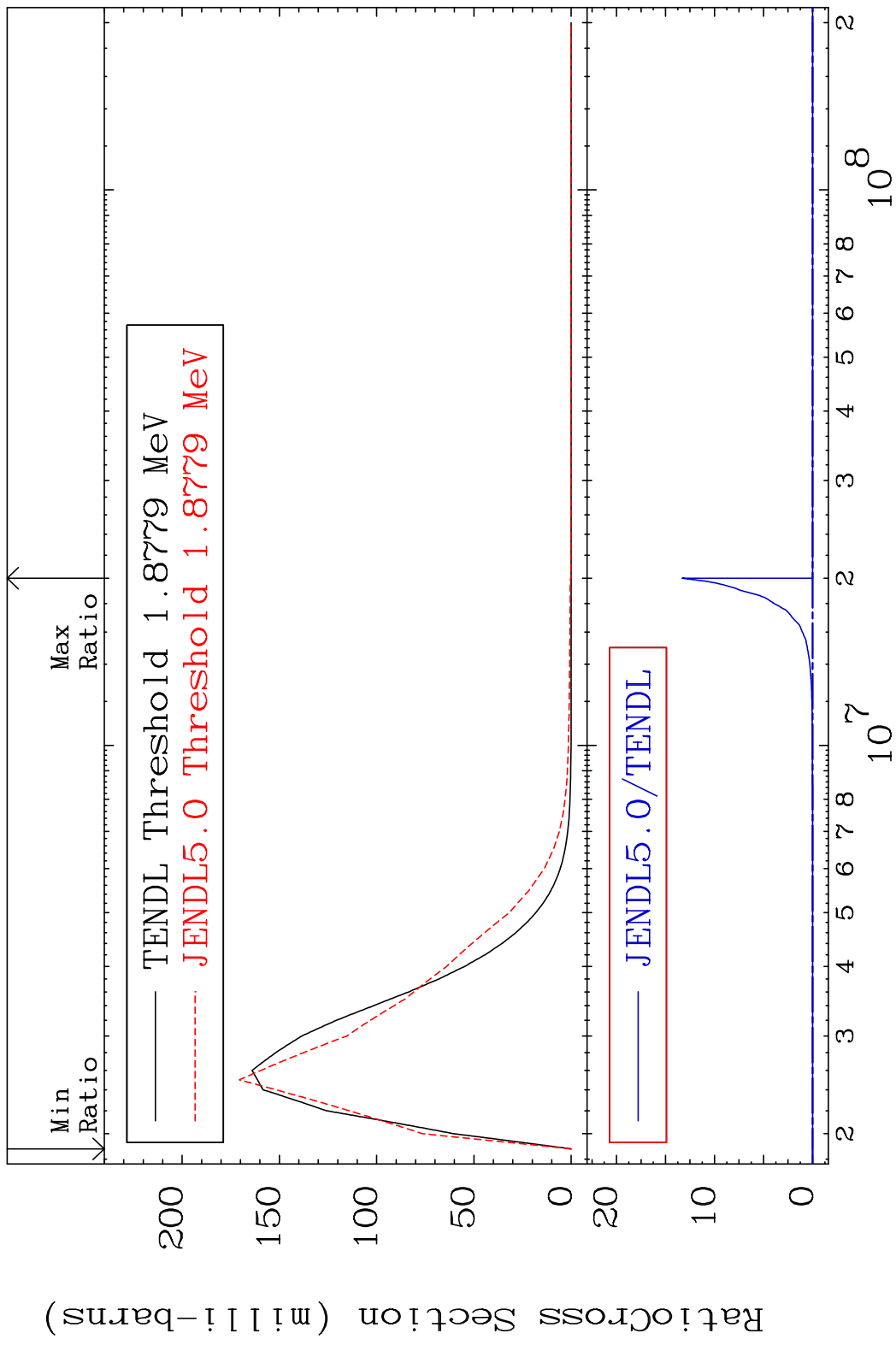


MAT 3437 MT= 55 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



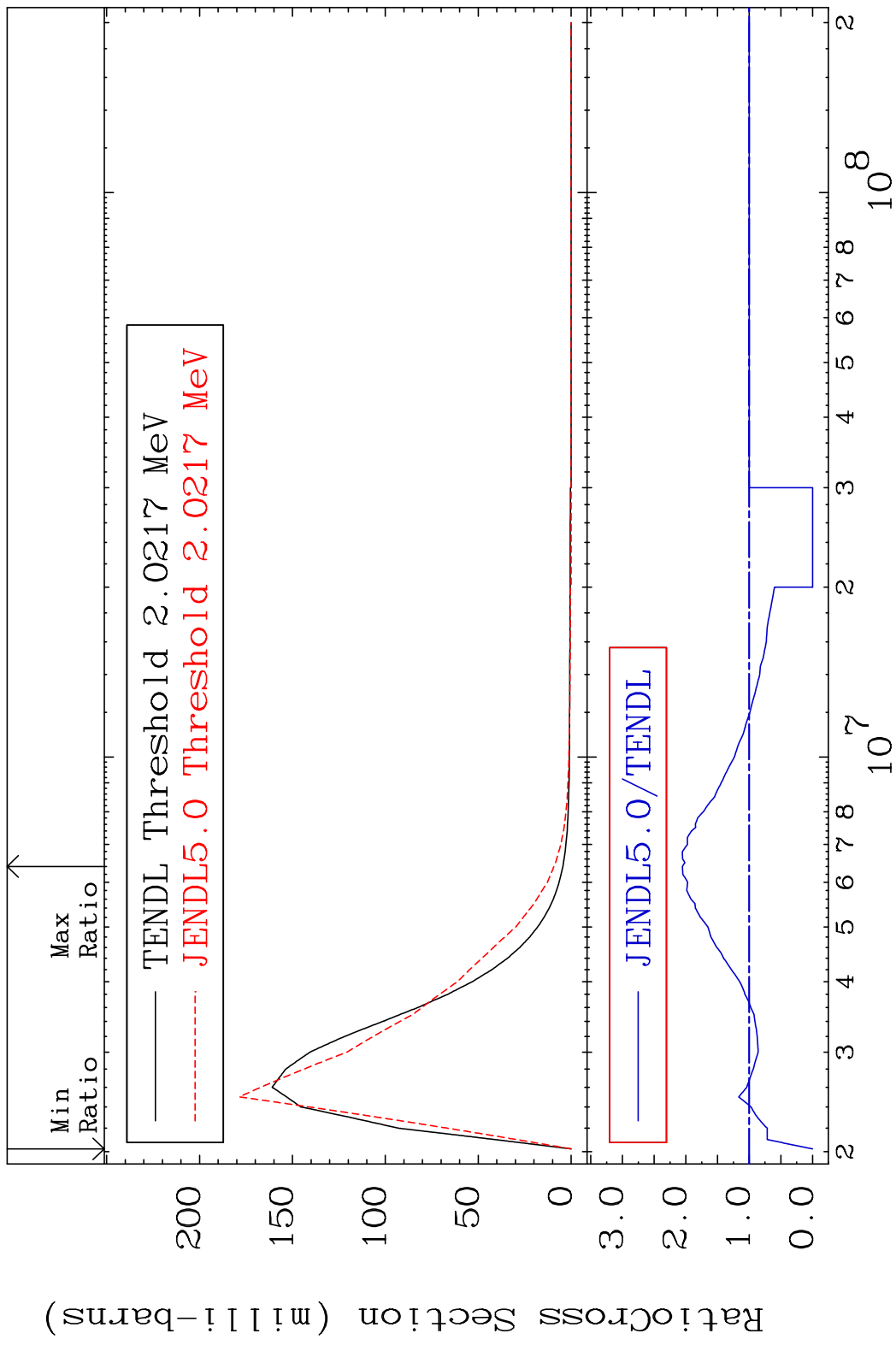
13 34-Se-78

MAT 3437 MT= 56 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %

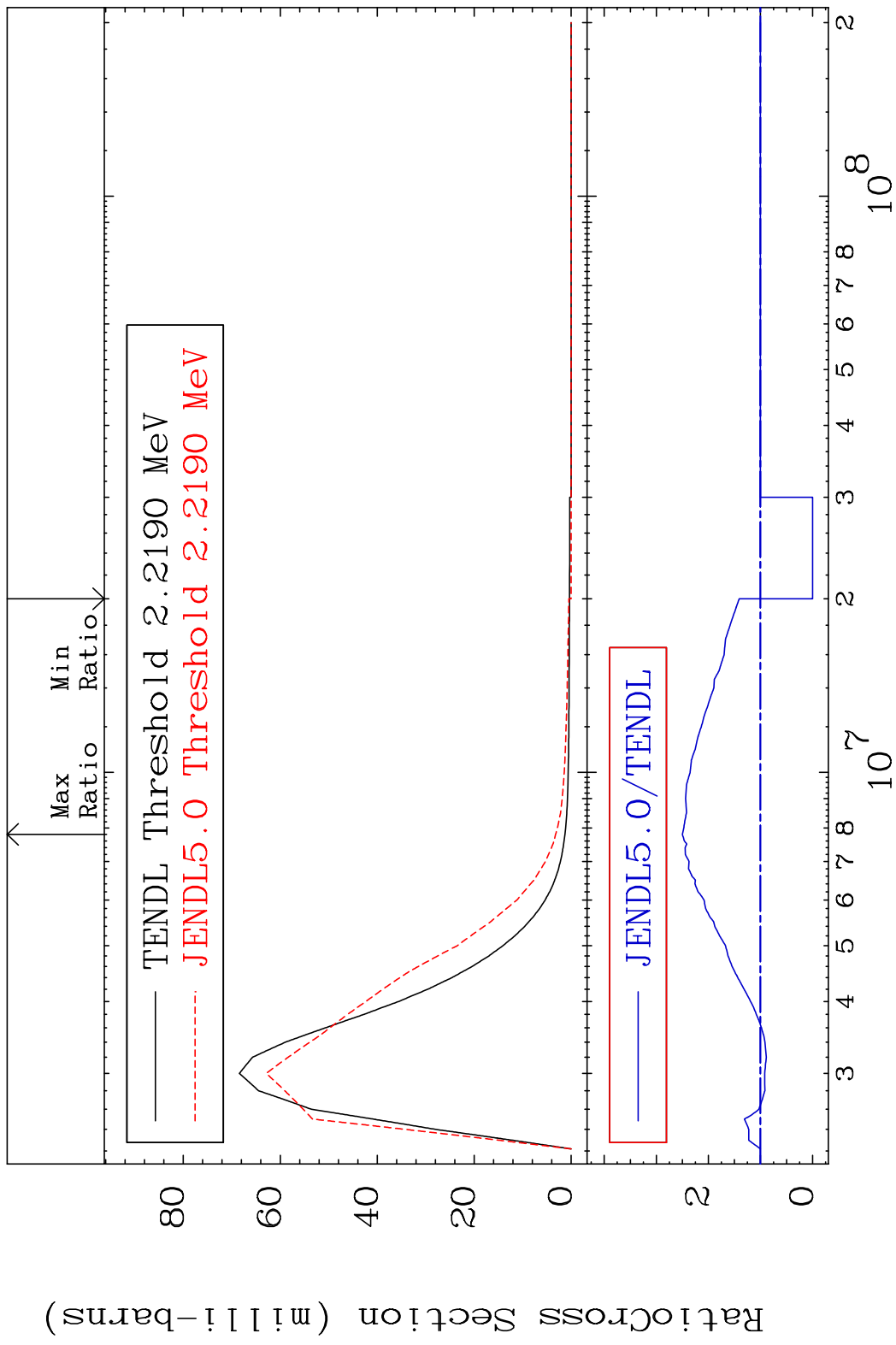


14 Incident Energy (eV) 34-Se-78

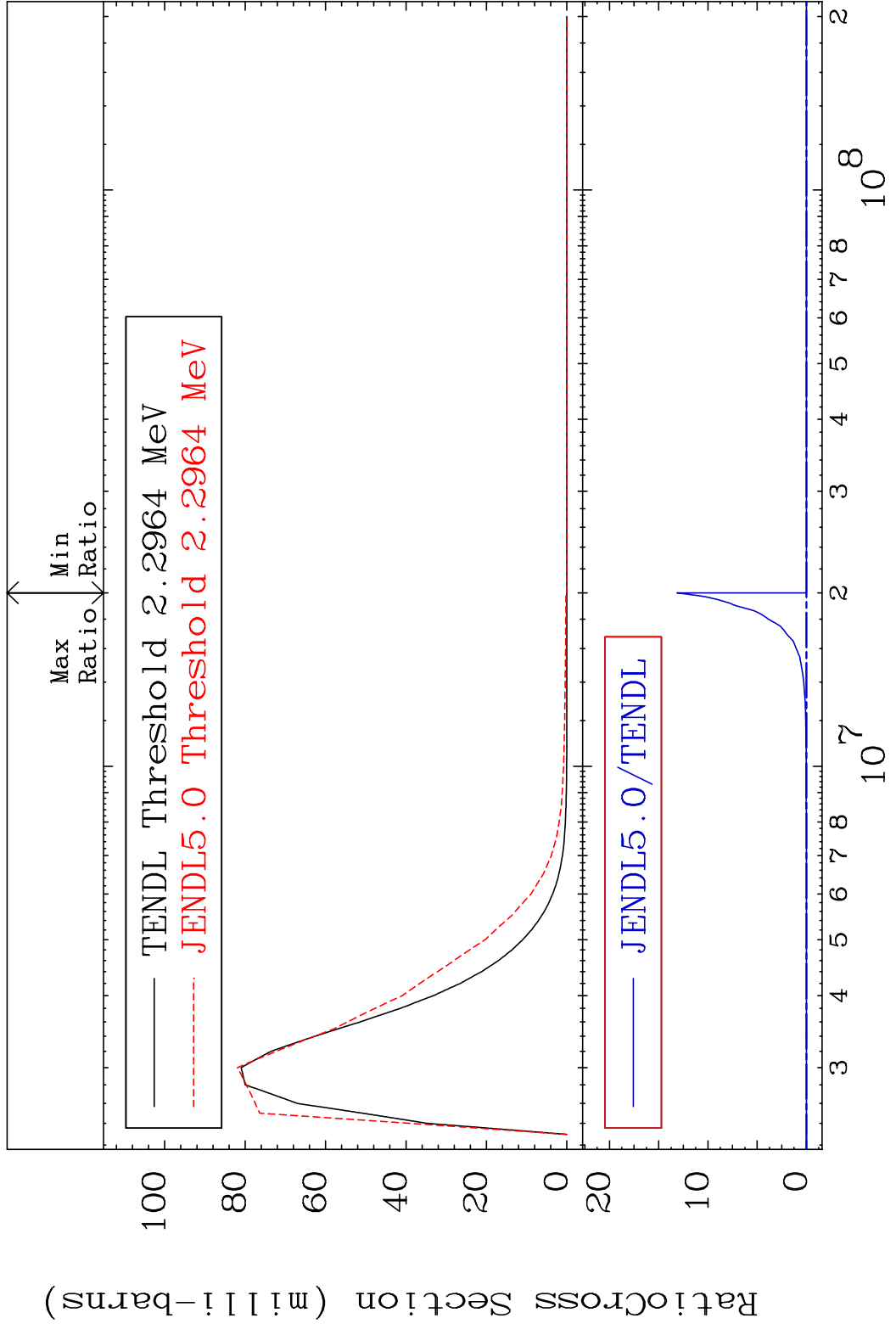
MAT 3437 MT= 57 (n,n') Level 34-Se-78
 Cross Section -100.0 To 105.5 %



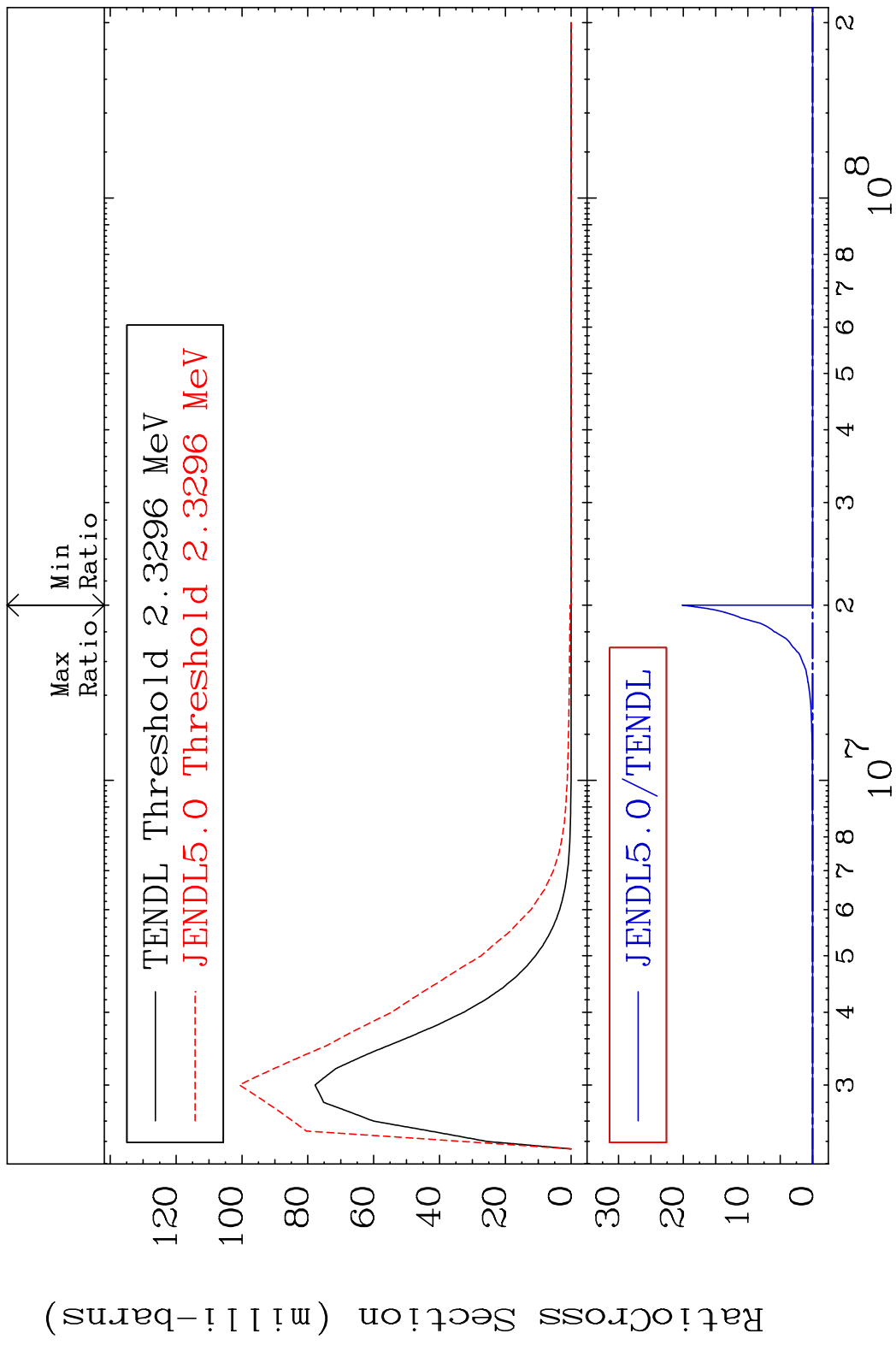
MAT 3437 MT= 58 (n, n') Level 34-Se-78
 Cross Section -100.0 To 150.0 %



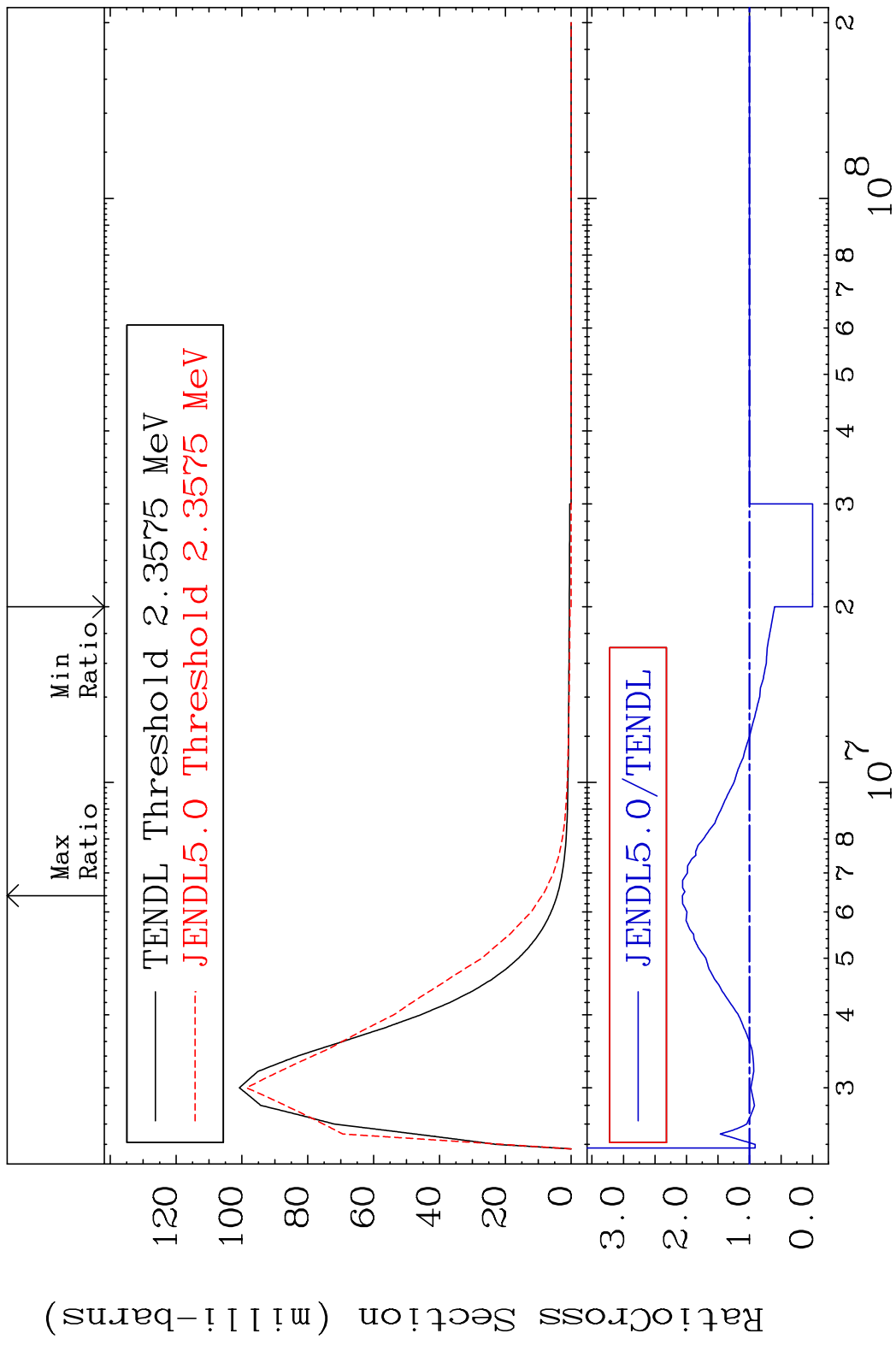
MAT 3437 MT= 59 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



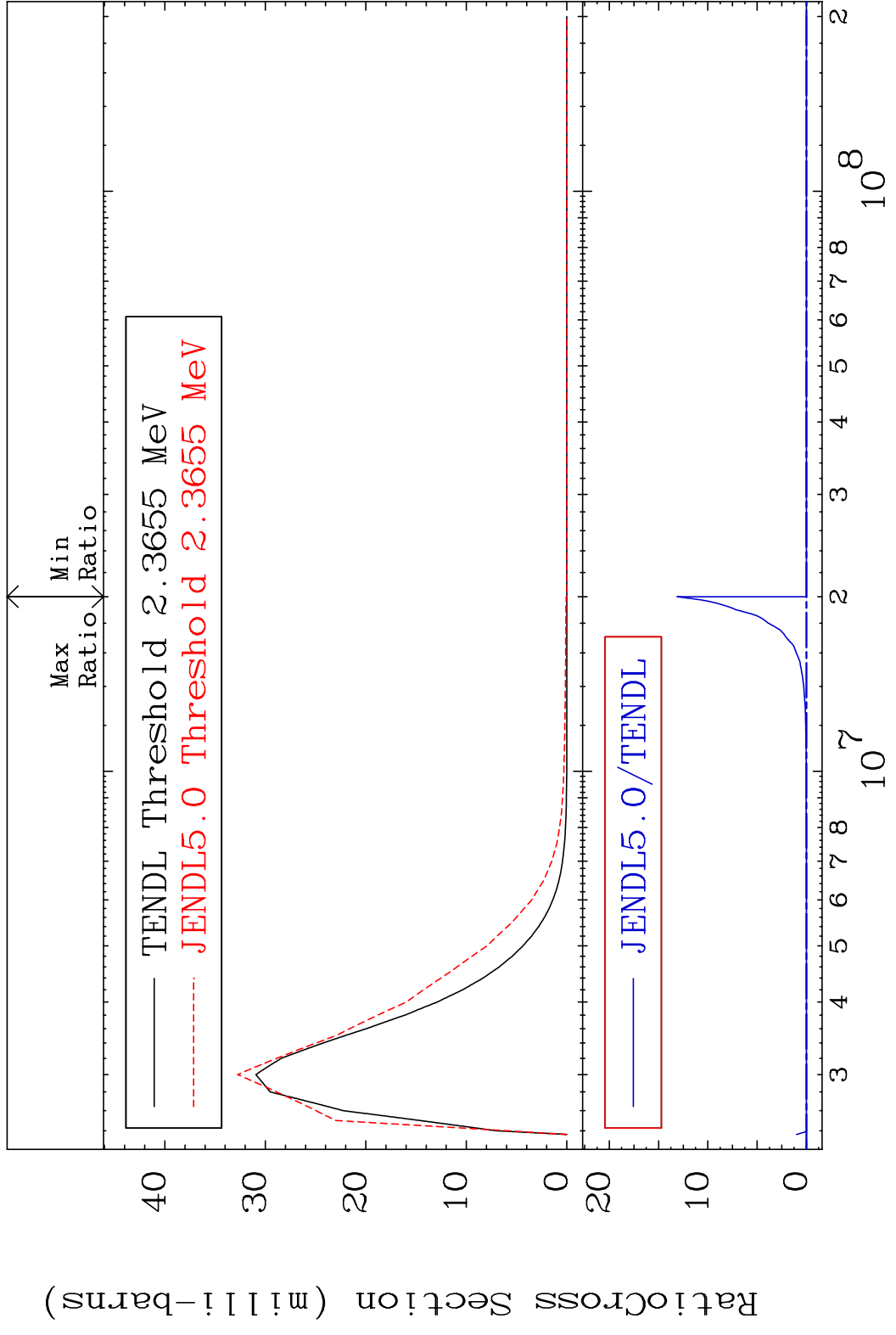
MAT 3437 MT= 60 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



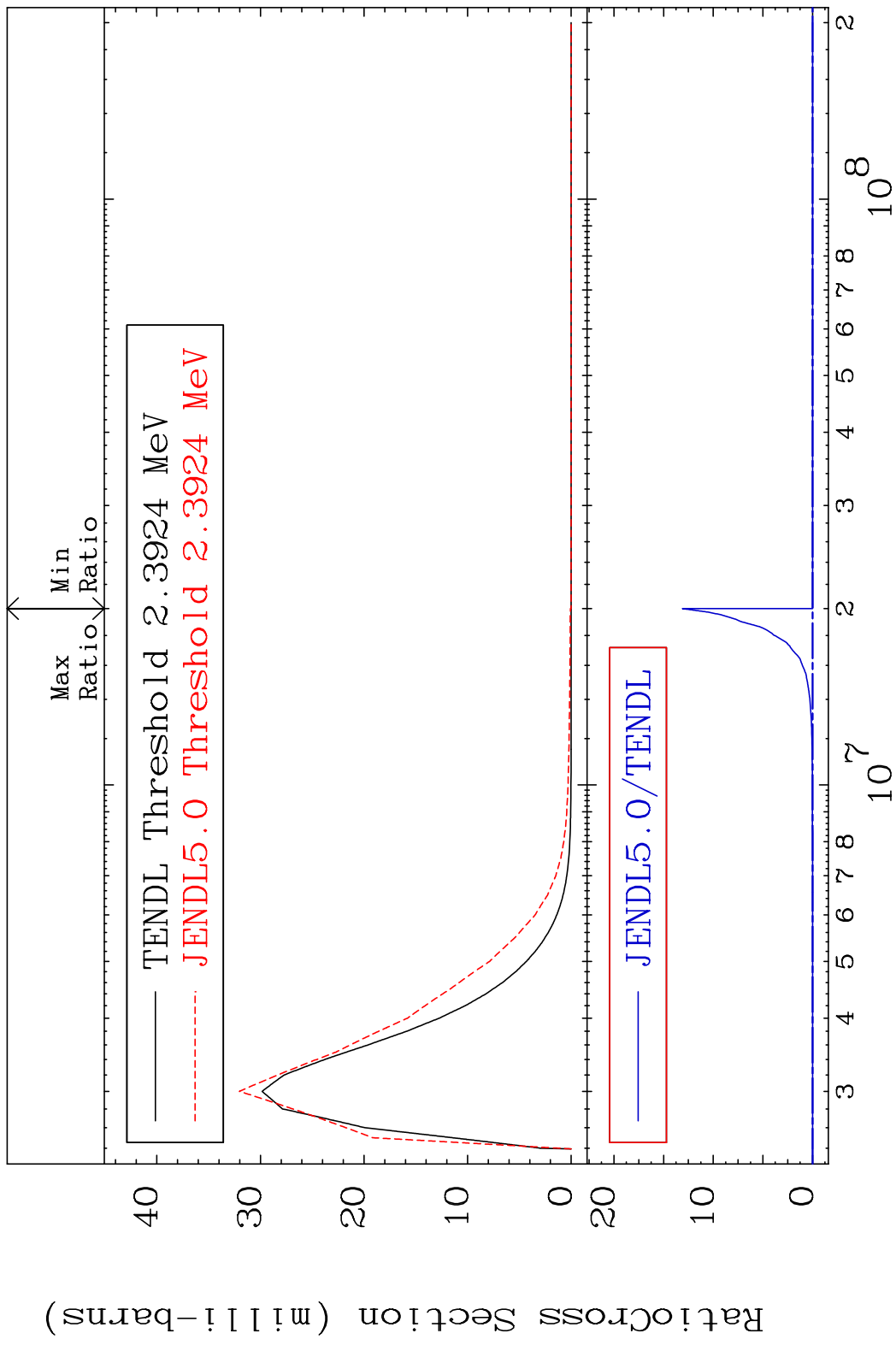
MAT 3437 MT= 61 (n,n') Level 34-Se-78
 Cross Section -100.0 To 106.6 %



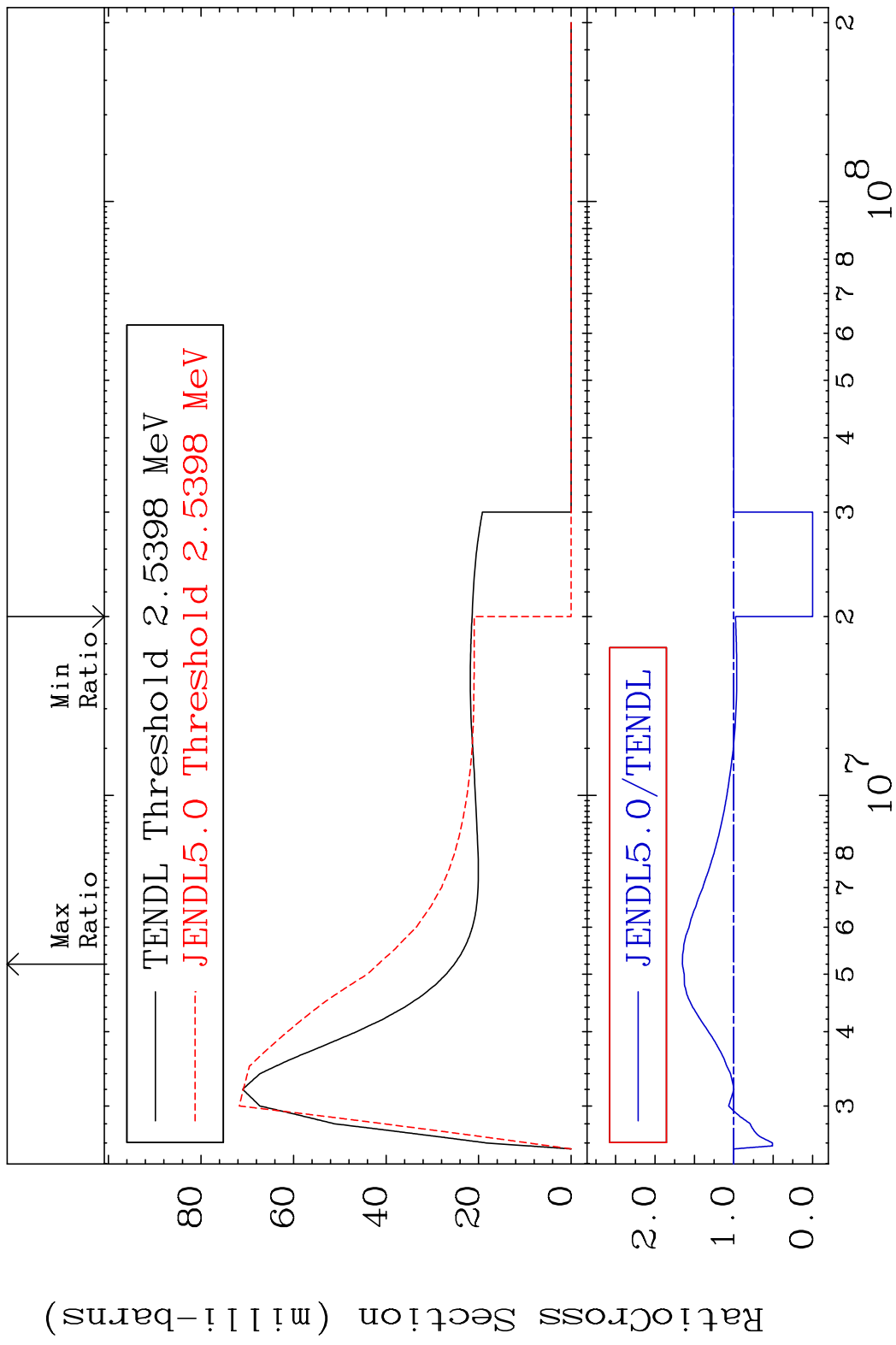
MAT 3437 MT= 62 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



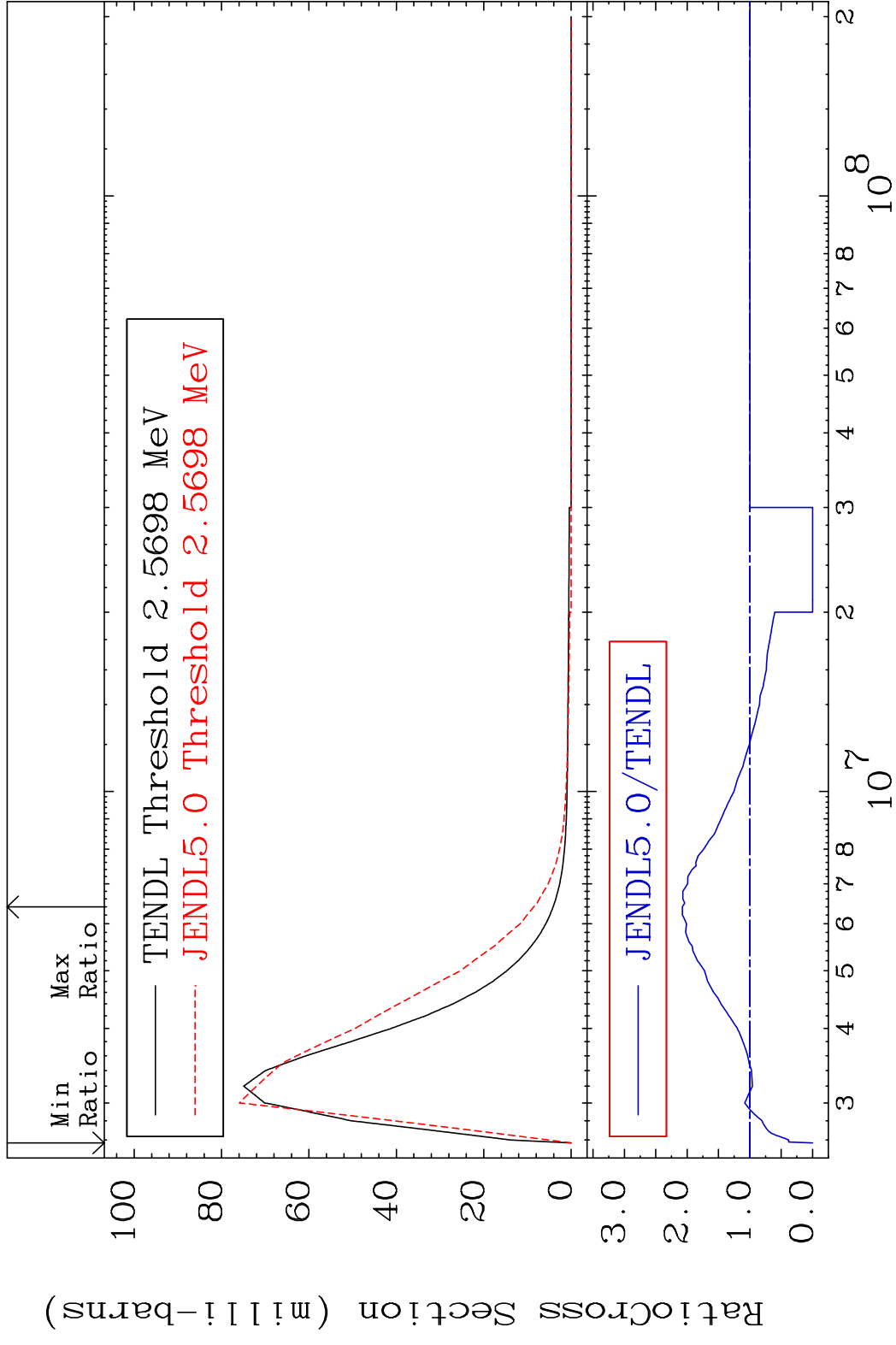
MAT 3437 MT= 63 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



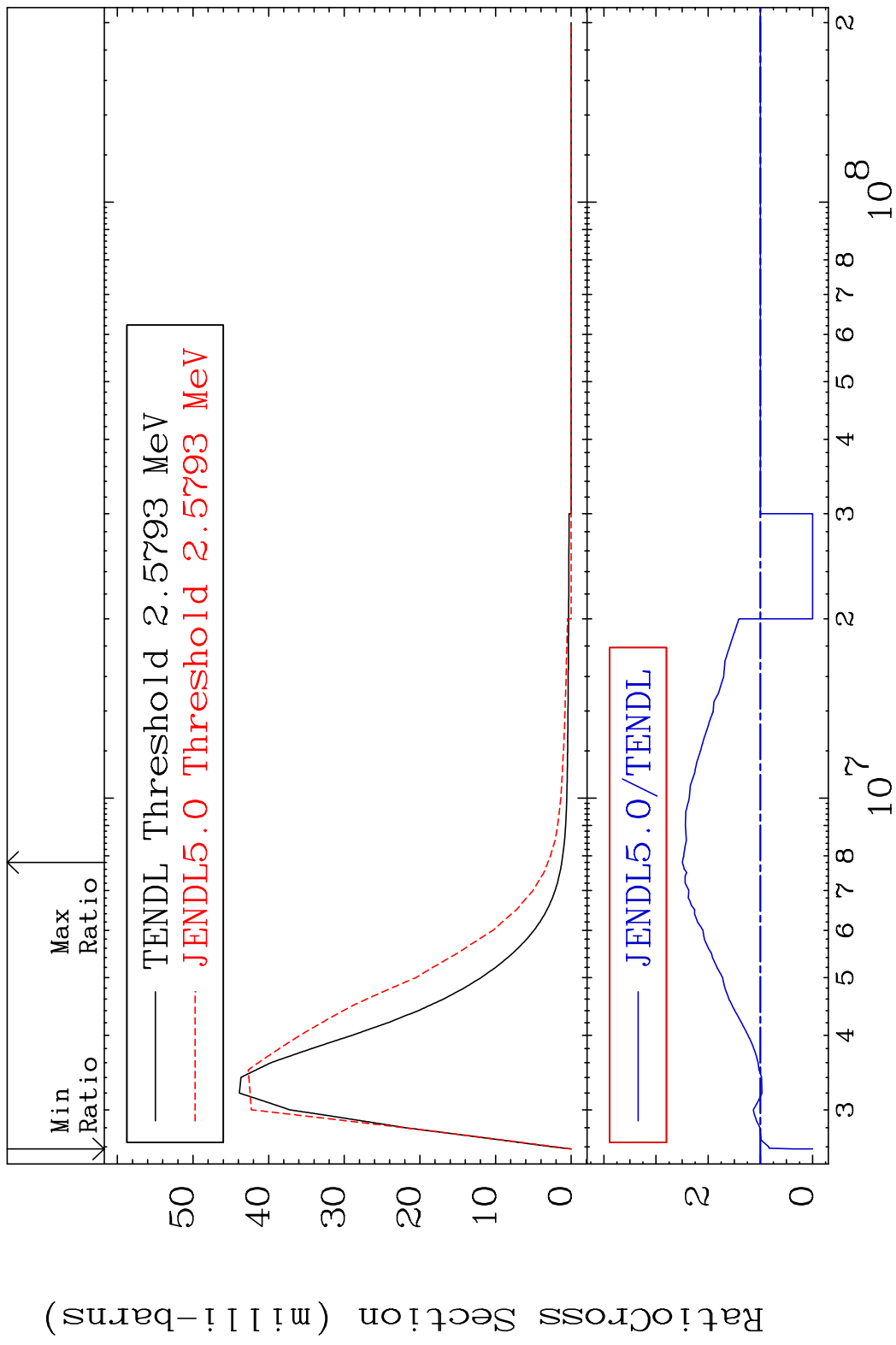
MAT 3437 MT= 64 (n, n') Level 34-Se-78
 Cross Section -100.0 To 65.33 %



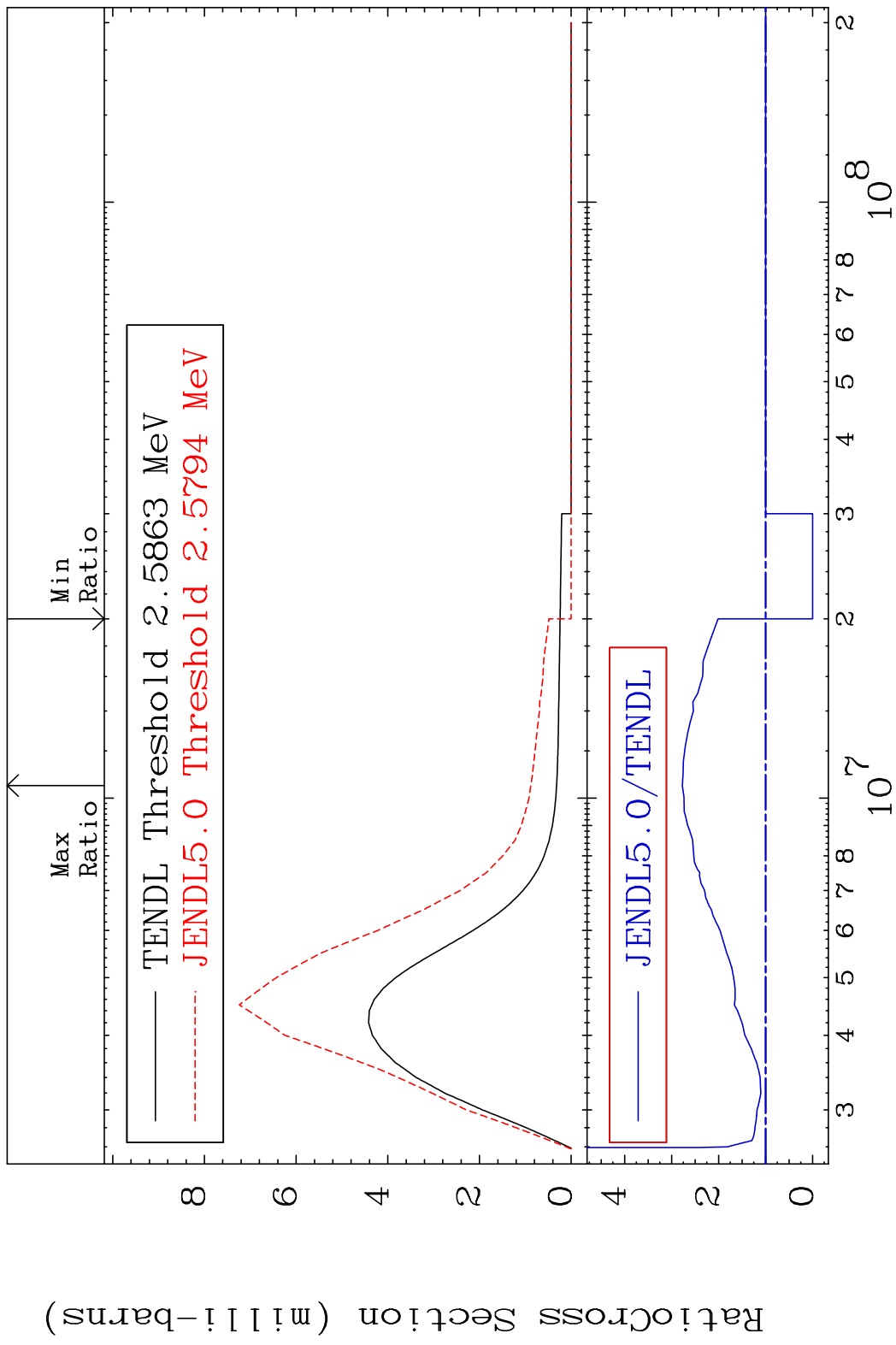
MAT 3437 MT= 65 (n,n') Level 34-Se-78
 Cross Section -100.0 To 107.6 %



MAT 3437 MT= 66 (n,n') Level 34-Se-78
 Cross Section -100.0 To 149.5 %



MAT 3437 MT= 67 (n, n') Level 34-Se-78
 Cross Section -100.0 To 177.2 %



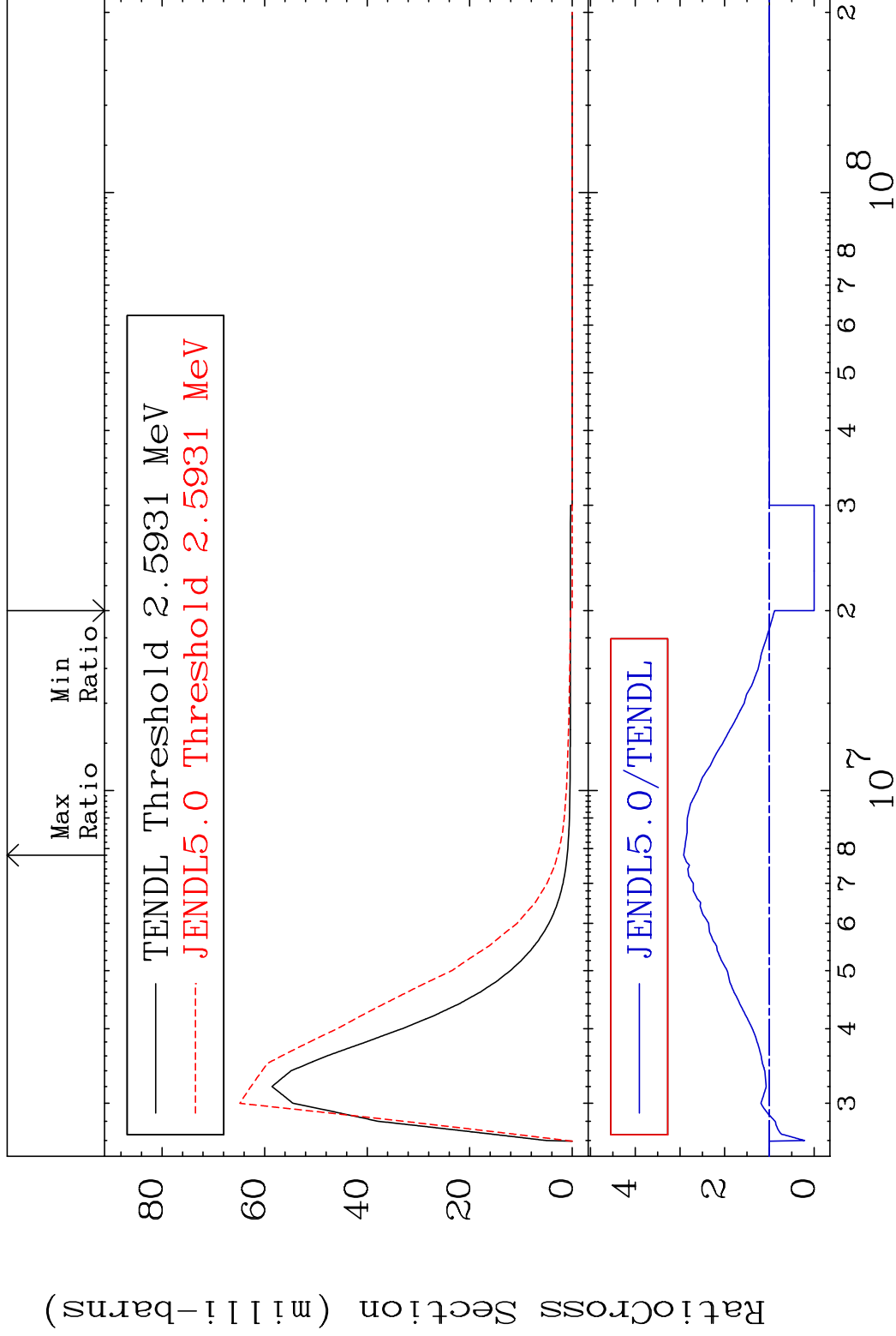
25 Incident Energy (eV) 34-Se-78

MAT 3437

MT= 68 (n, n') Level

34-Se-78

Cross Section -100.0 To 191.7 %

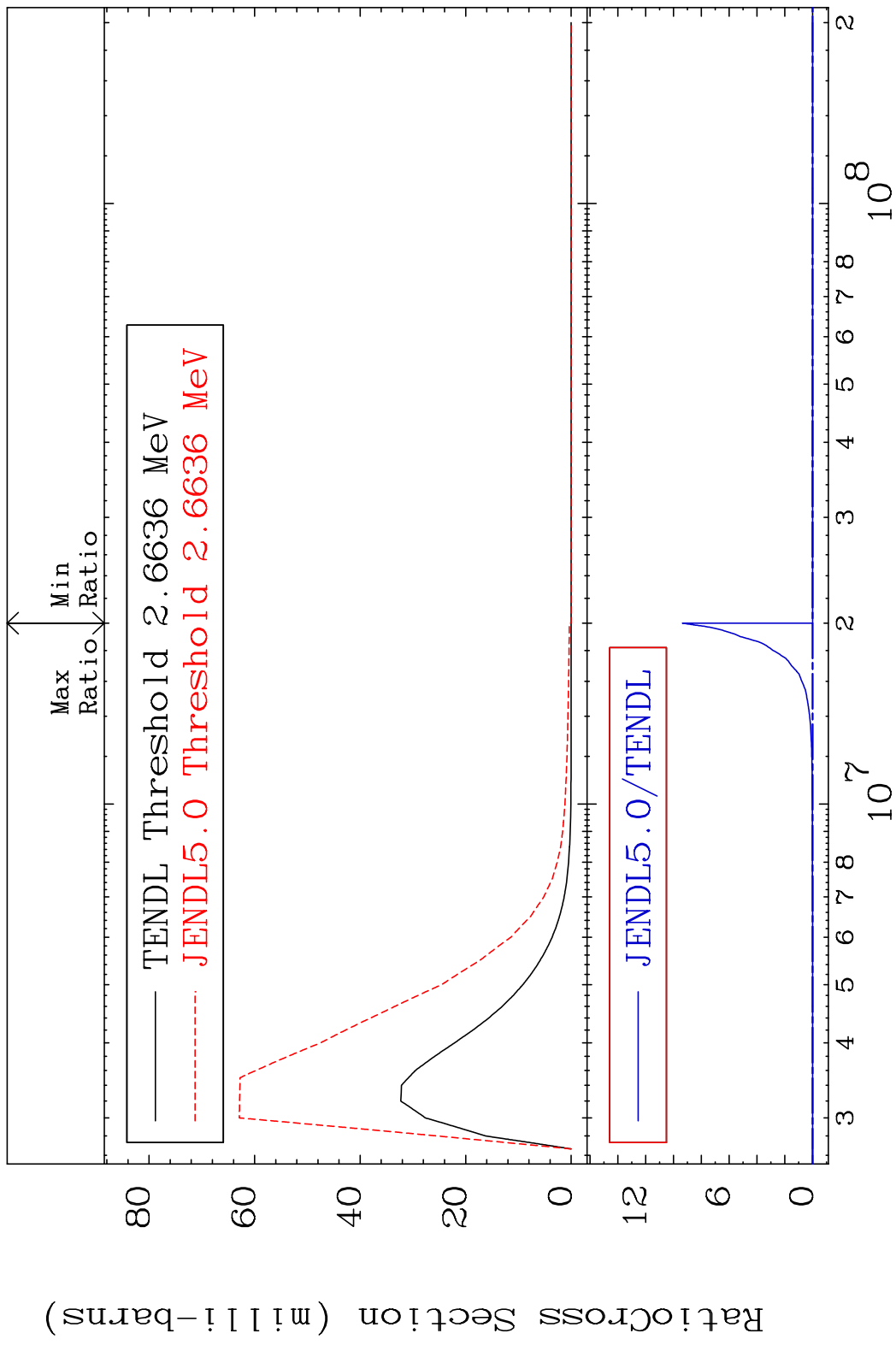


26

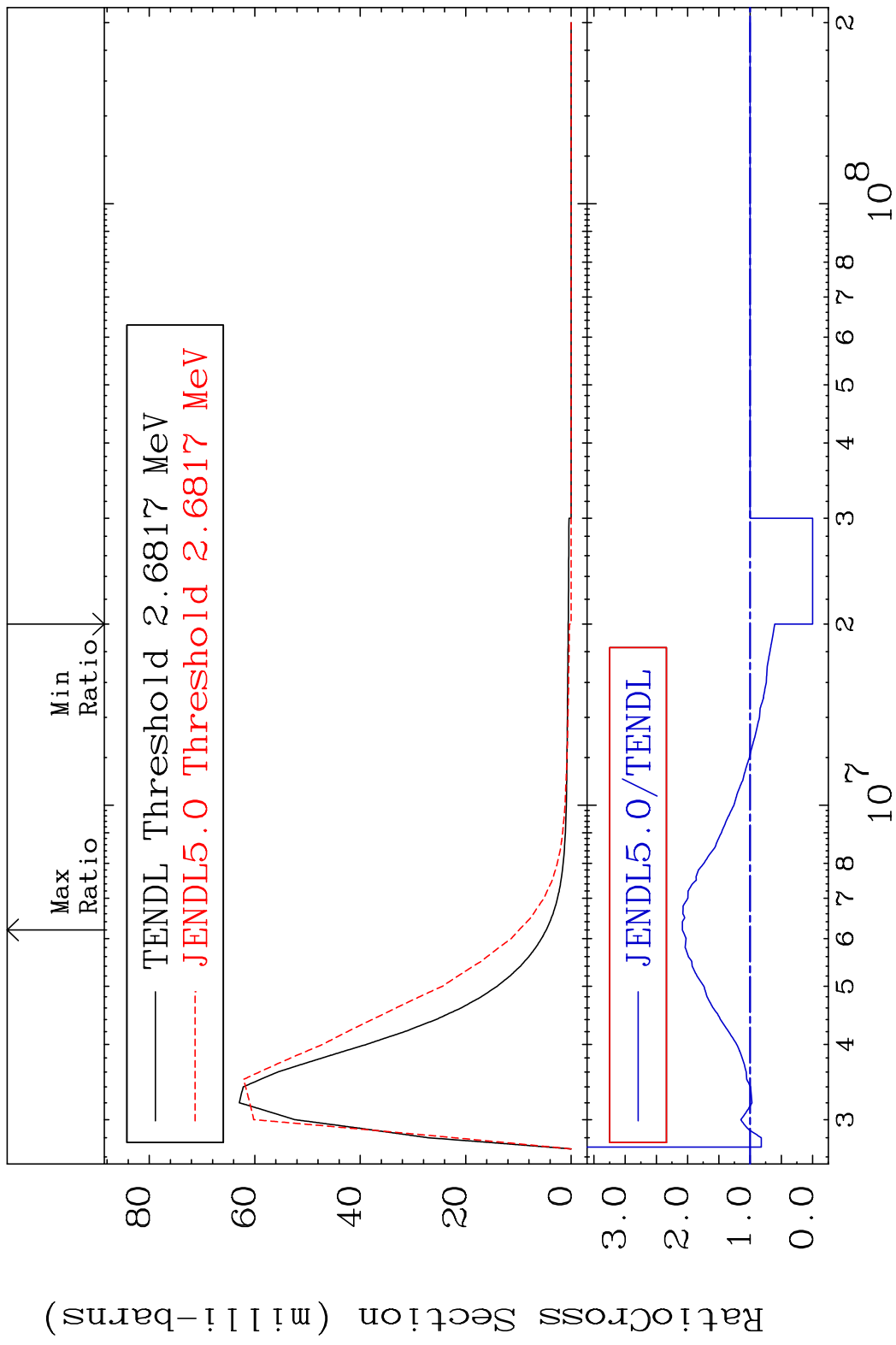
Incident Energy (eV)

34-Se-78

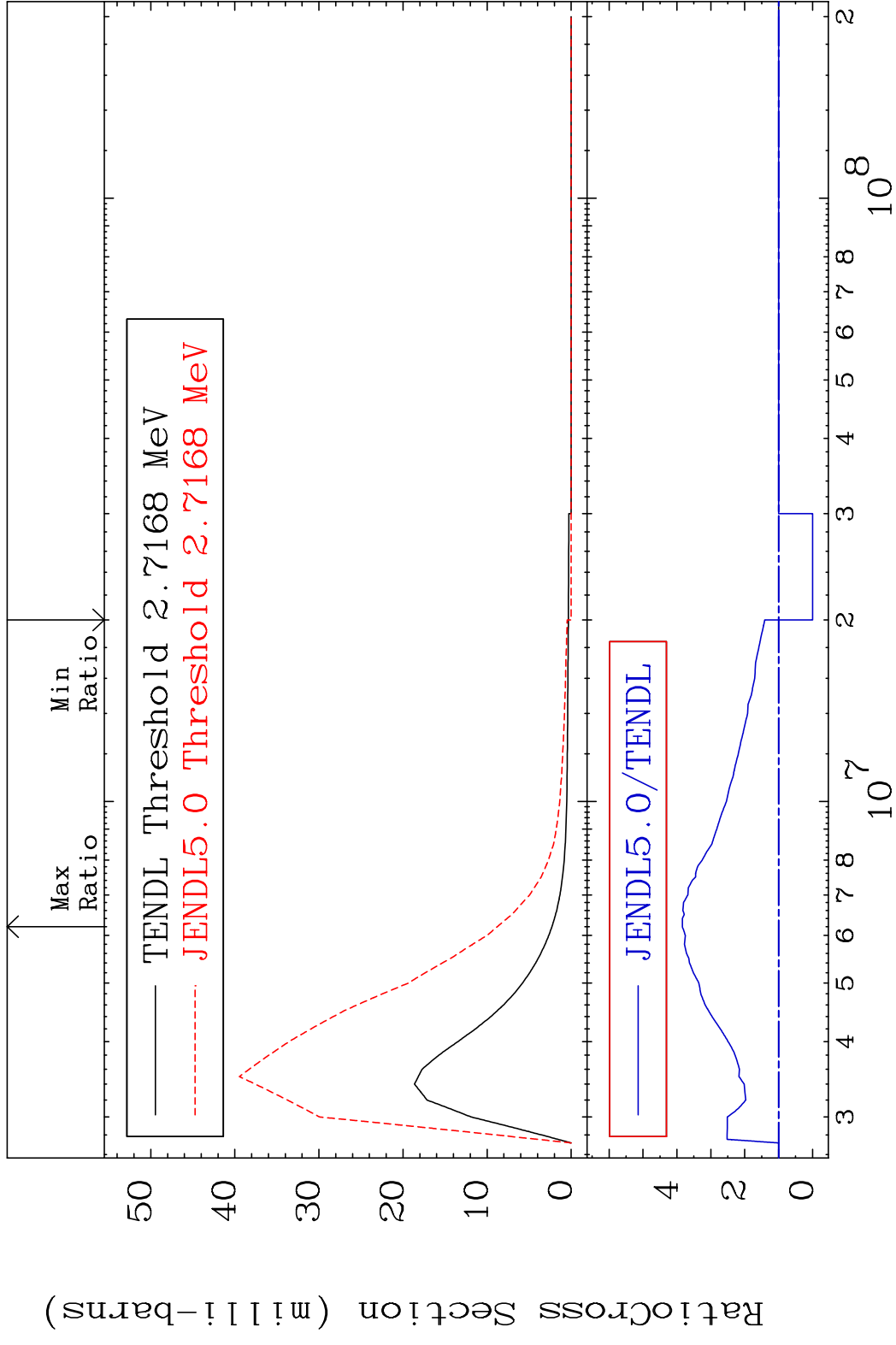
MAT 3437 MT= 69 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



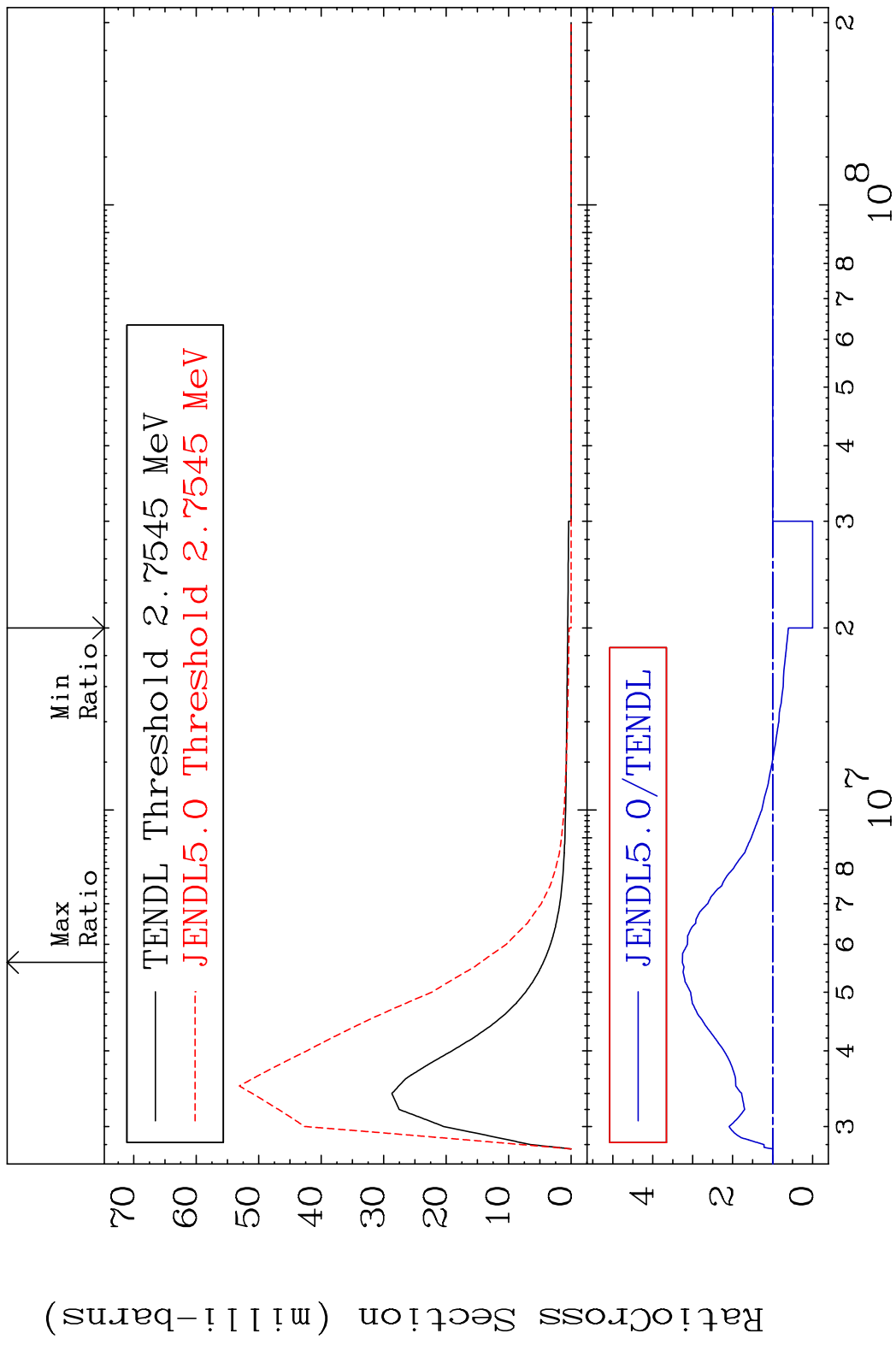
MAT 3437 MT= 70 (n,n') Level 34-Se-78
 Cross Section -100.0 To 108.4 %



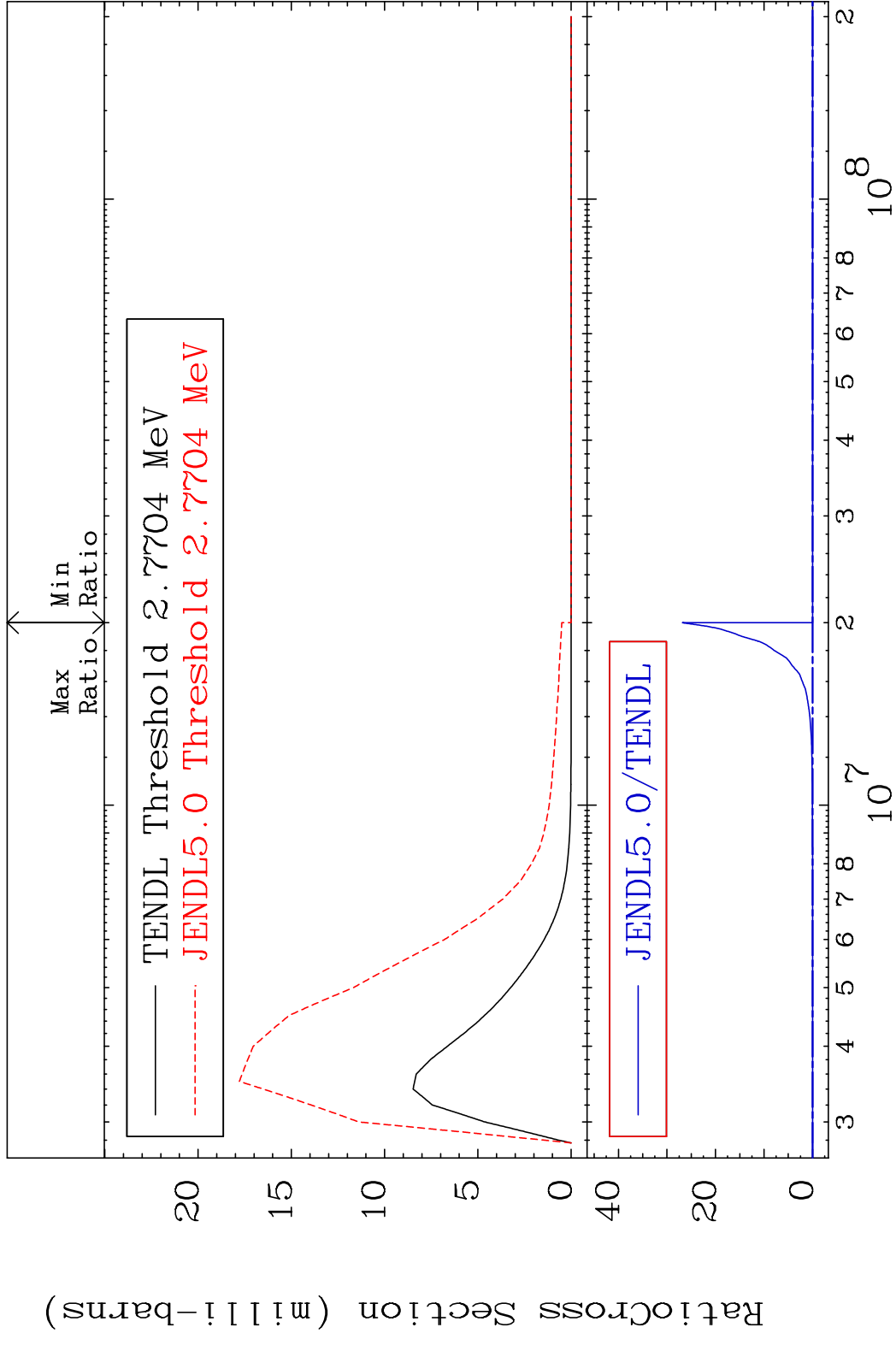
MAT 3437 MT= 71 (n,n') Level 34-Se-78
 Cross Section -100.0 To 284.0 %



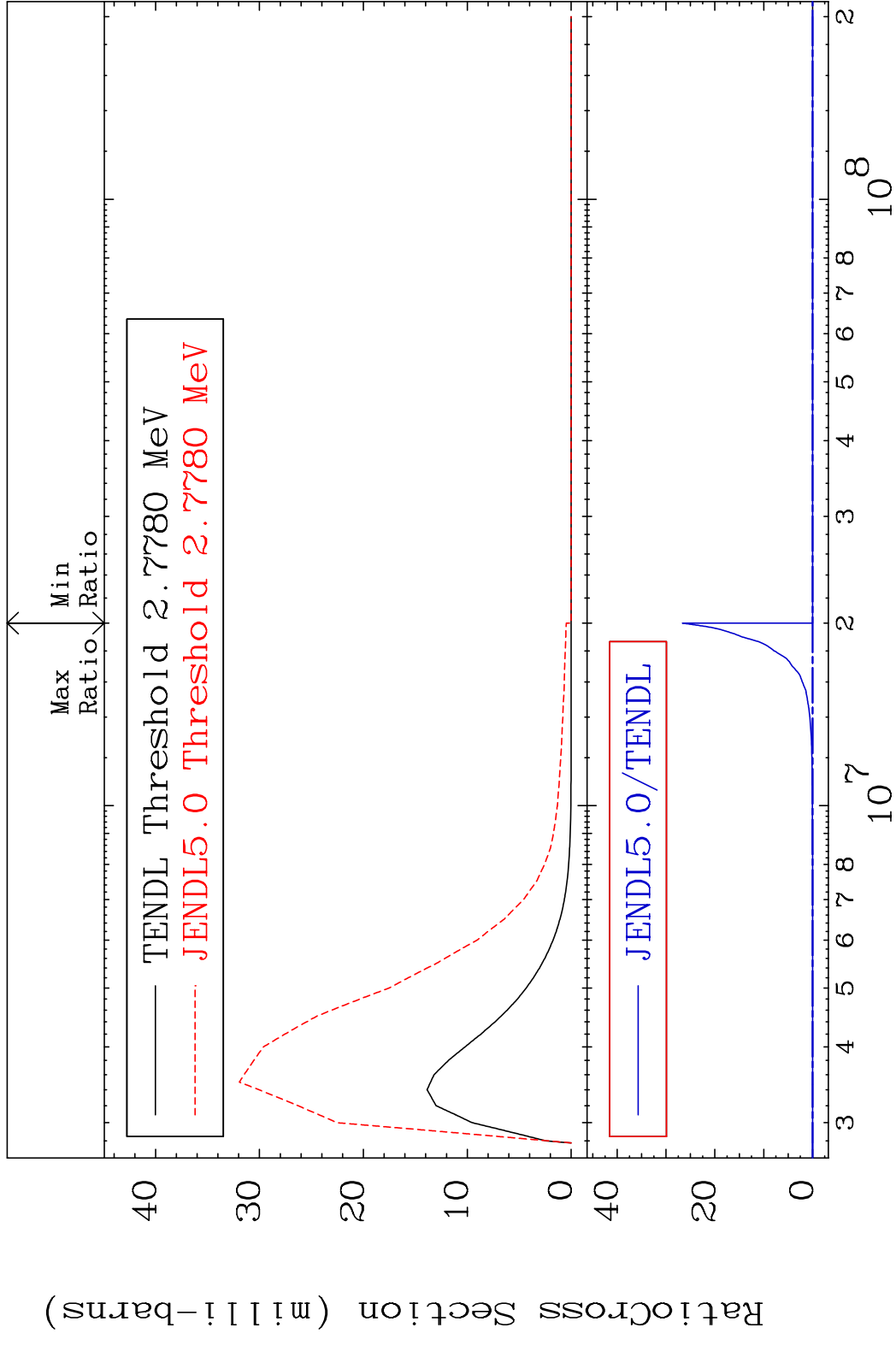
MAT 3437 MT= 72 (n,n') Level 34-Se-78
 Cross Section -100.0 To 225.9 %



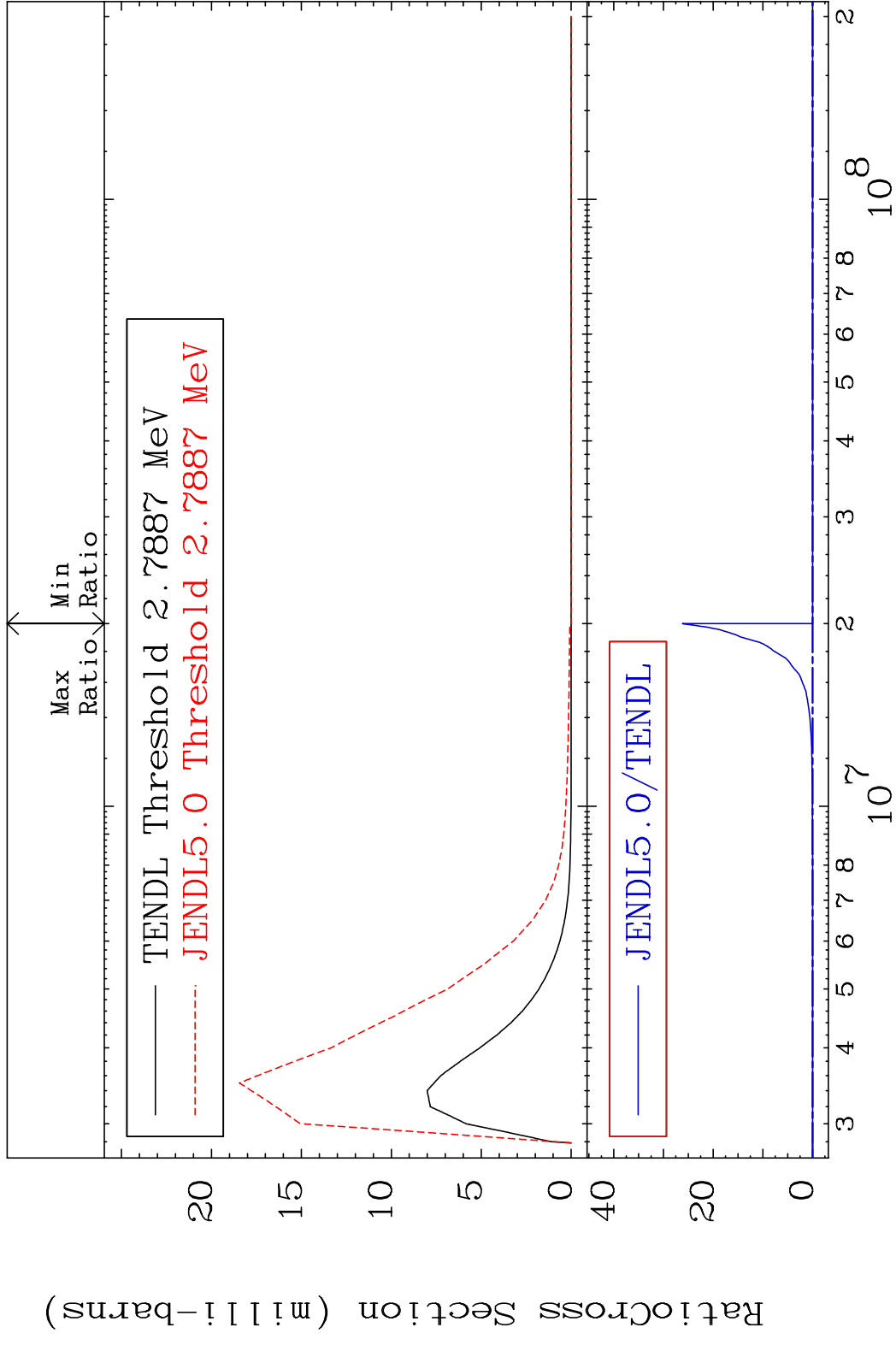
MAT 3437 MT= 73 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %



MAT 3437 MT= 74 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %

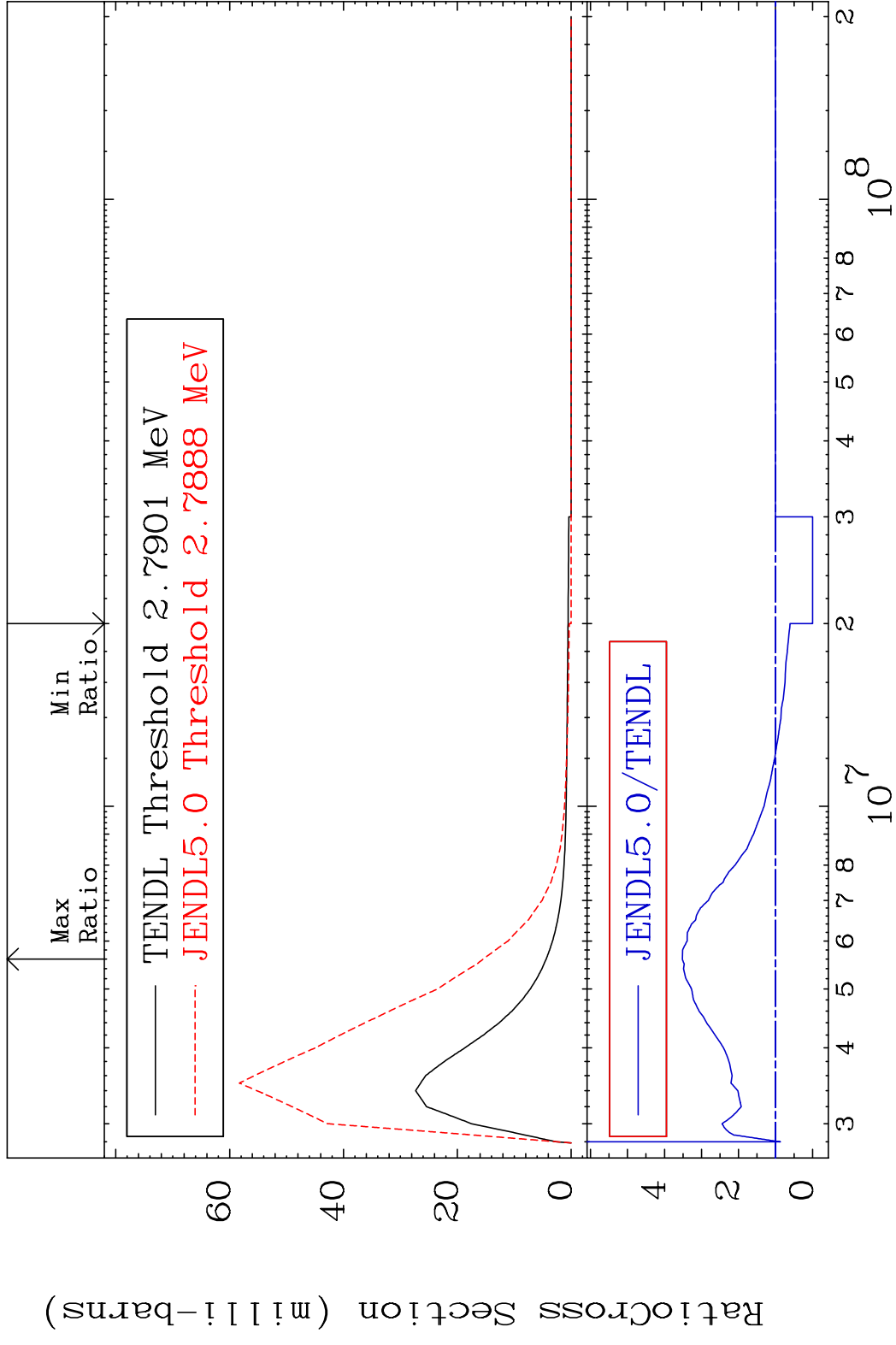


MAT 3437 MT= 75 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %

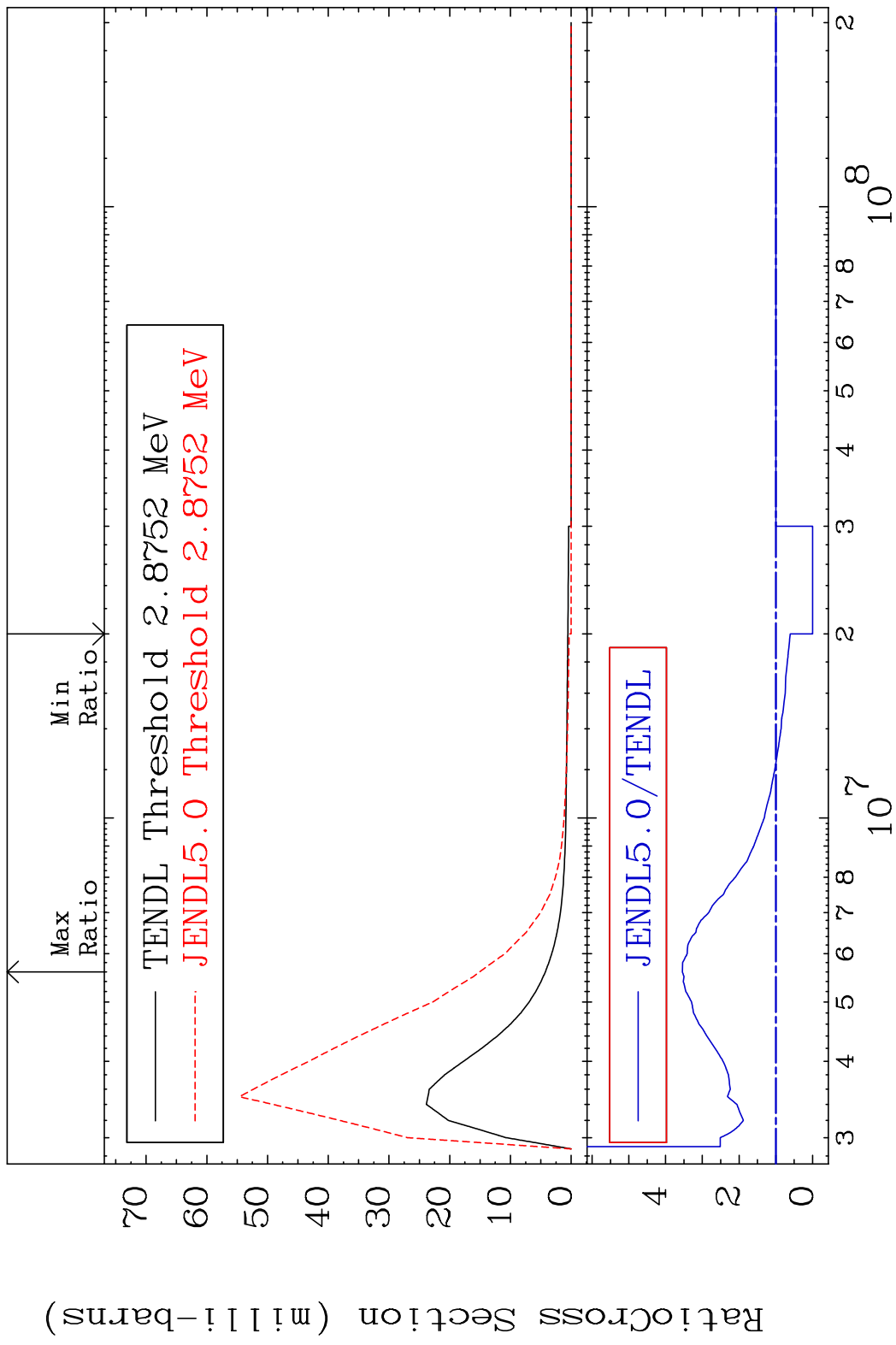


33 Incident Energy (eV) 34-Se-78

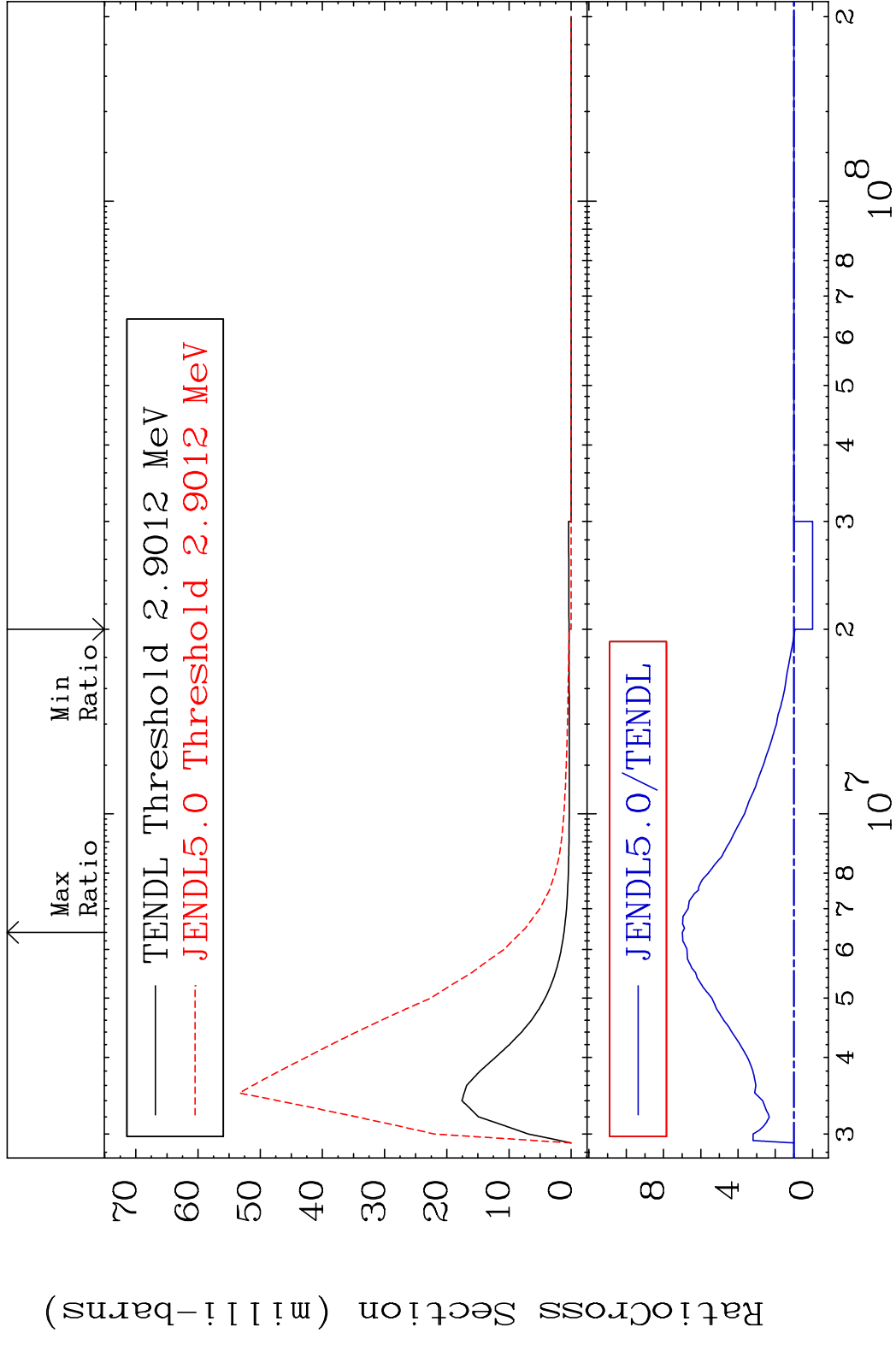
MAT 3437 MT= 76 (n,n') Level 34-Se-78
 Cross Section -100.0 To 251.8 %



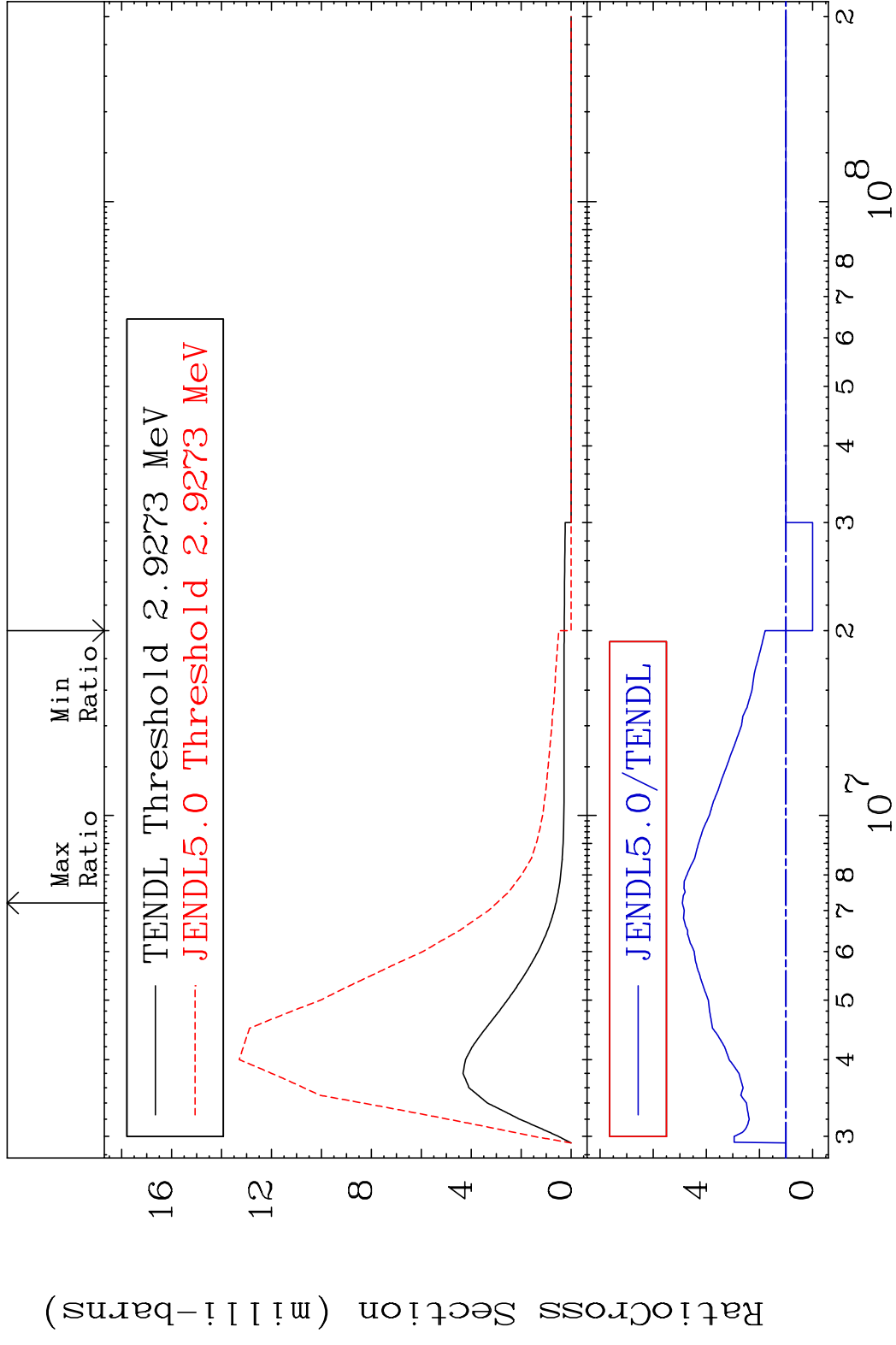
MAT 3437 MT= 77 (n,n') Level 34-Se-78
 Cross Section -100.0 To 254.3 %



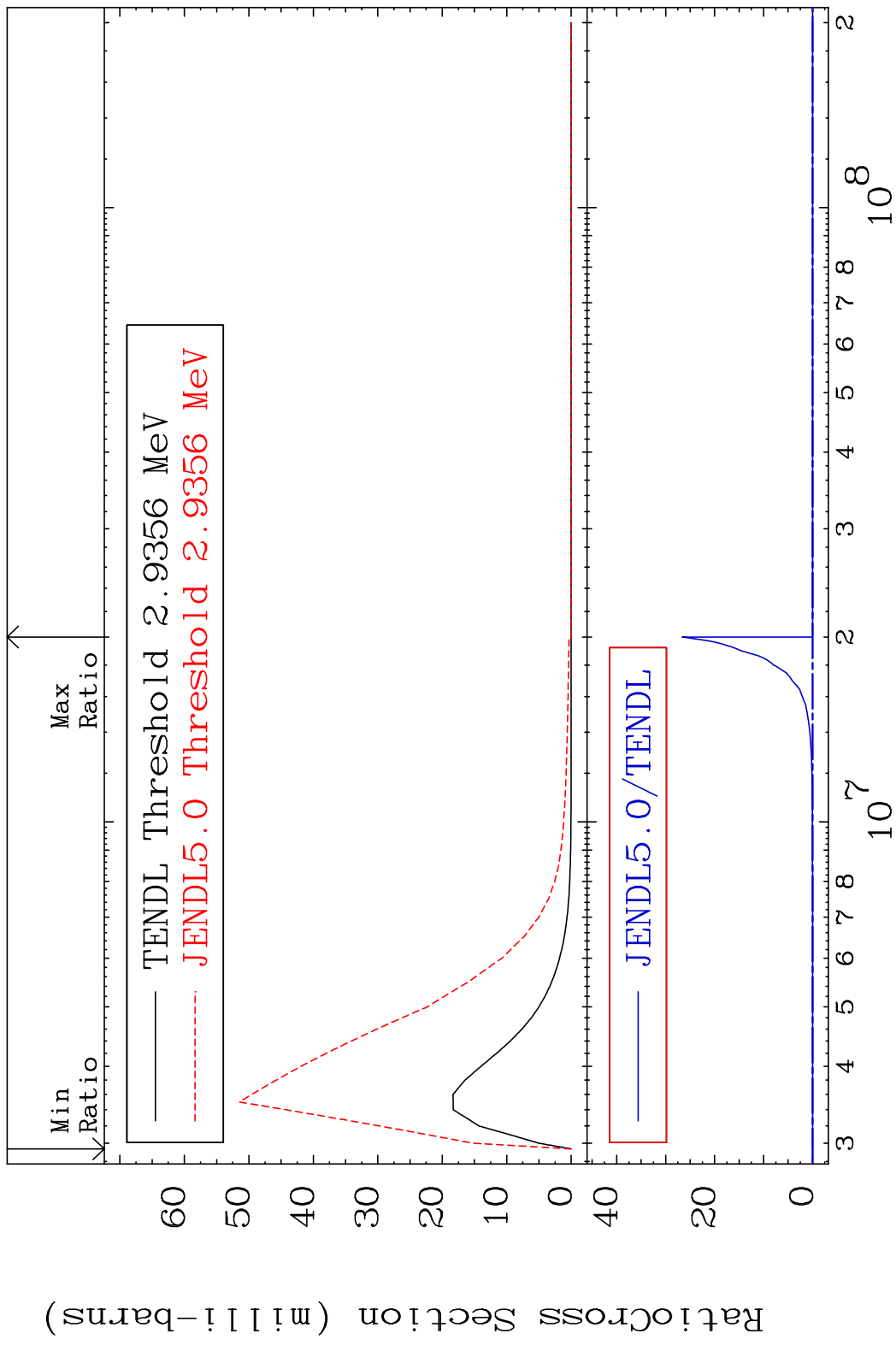
MAT 3437 MT= 78 (n,n') Level 34-Se-78
 Cross Section -100.0 To 598.9 %



MAT 3437 MT= 79 (n, n') Level 34-Se-78
 Cross Section -100.0 To 390.3 %



MAT 3437 MT= 80 (n, n') Level 34-Se-78
 Cross Section -100.0 To 9999. %

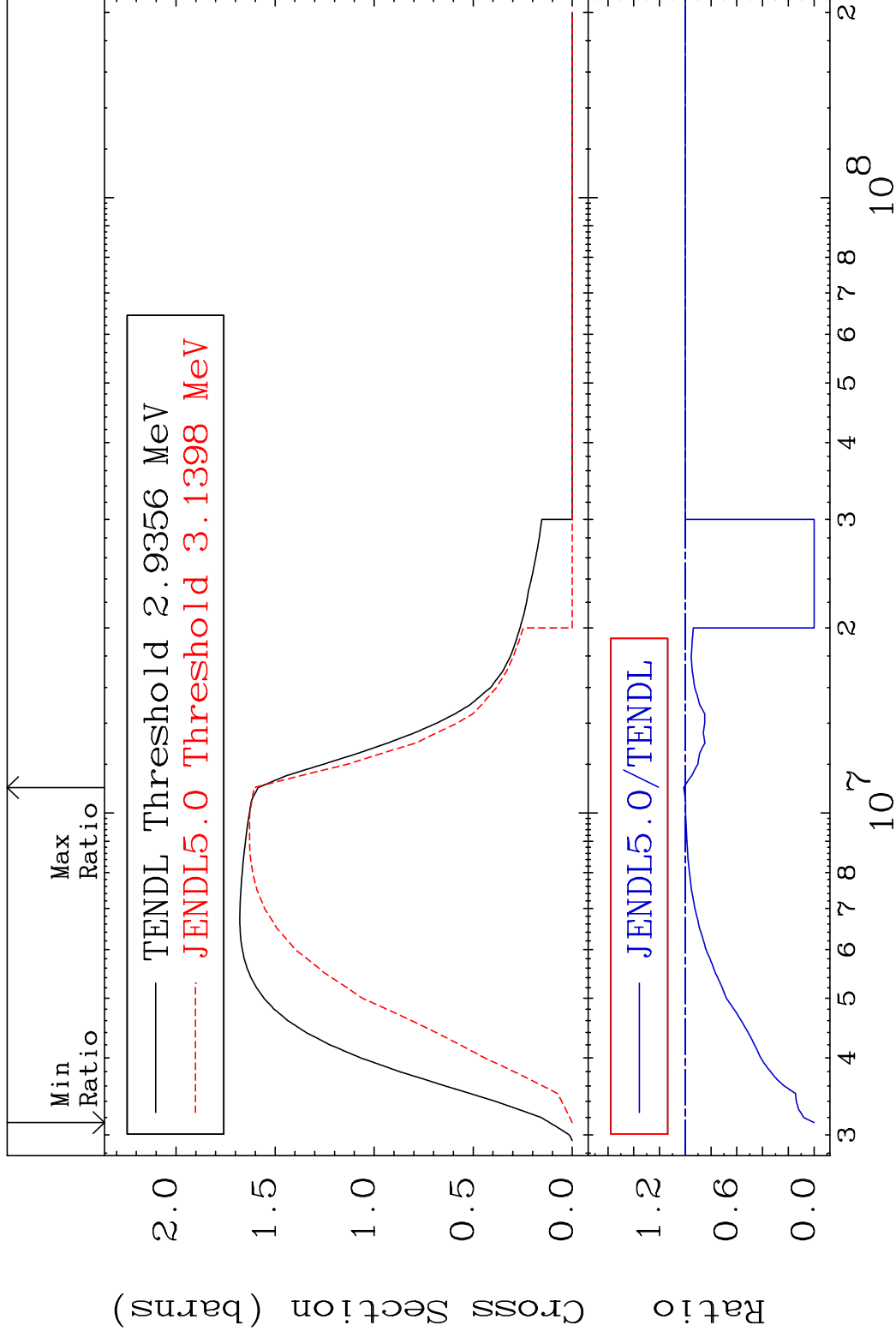


MAT 3437

(n,n') Continuum

³⁴Se-78

Cross Section -100.0 To 1.264 %



39

Incident Energy (eV)

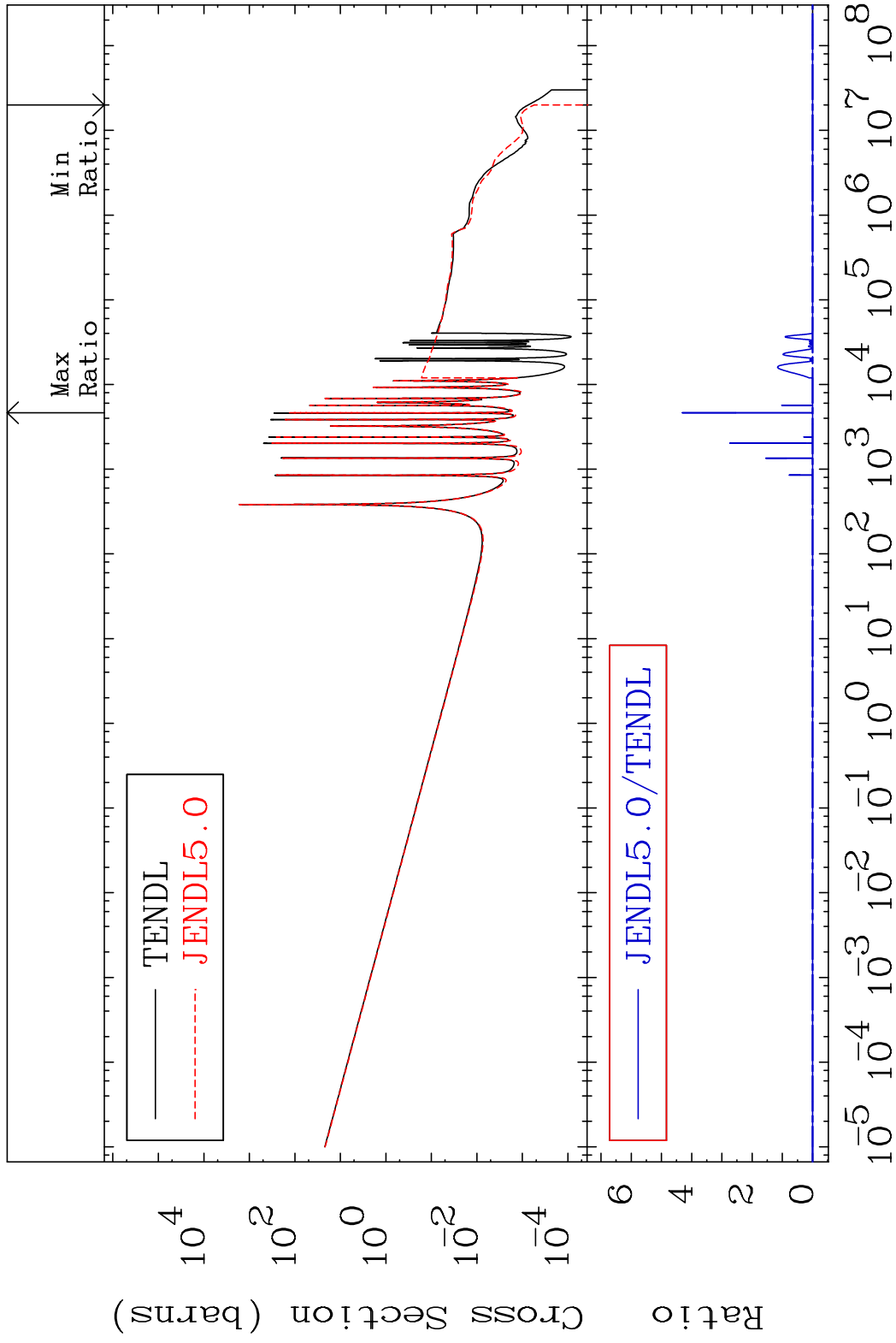
³⁴Se-78

MAT 3437

(n, γ)

34-Se-78

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

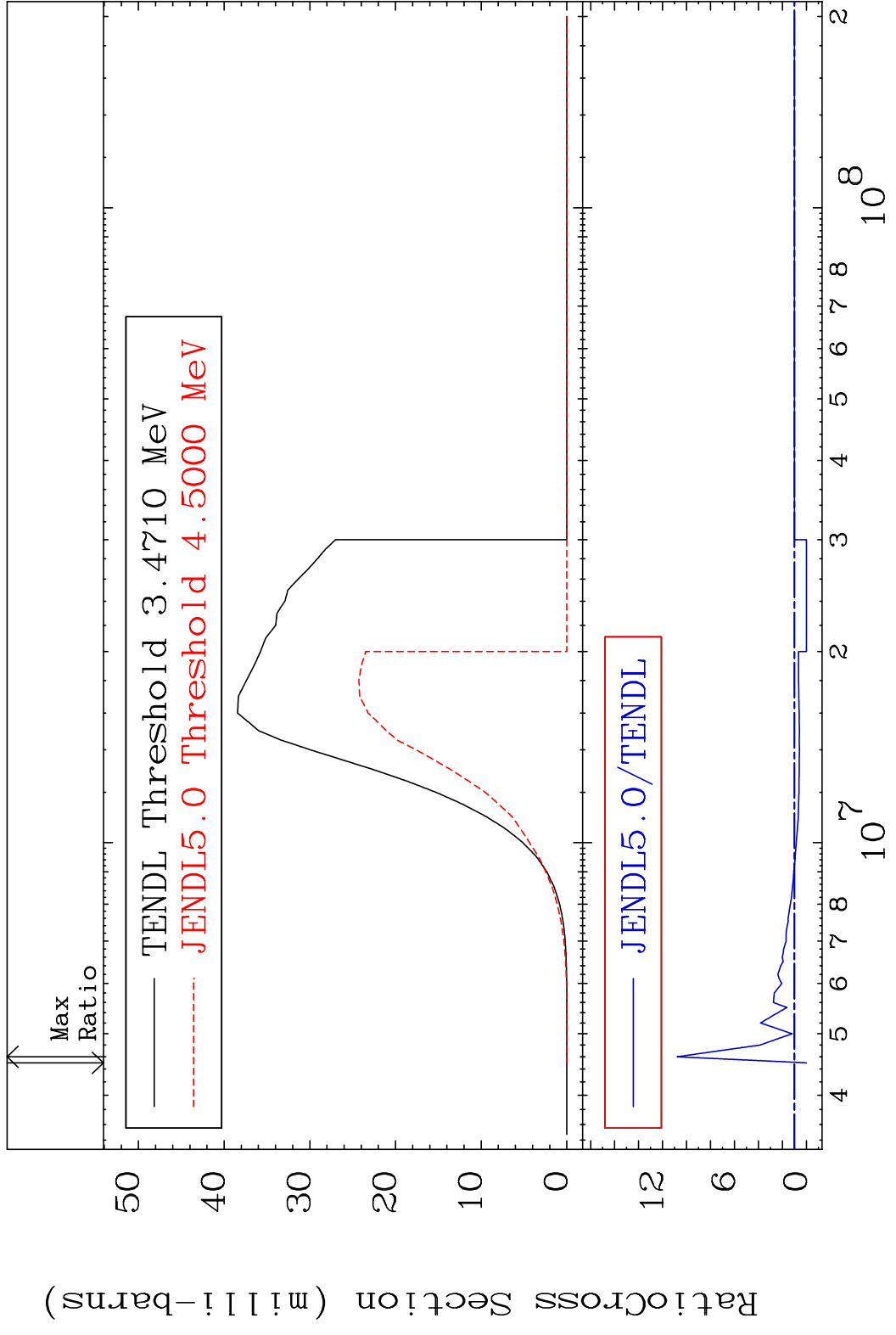
34-Se-78

MAT 3437

(n,p)

³⁴Se-78

Cross Section -100.0 To 978.1 %

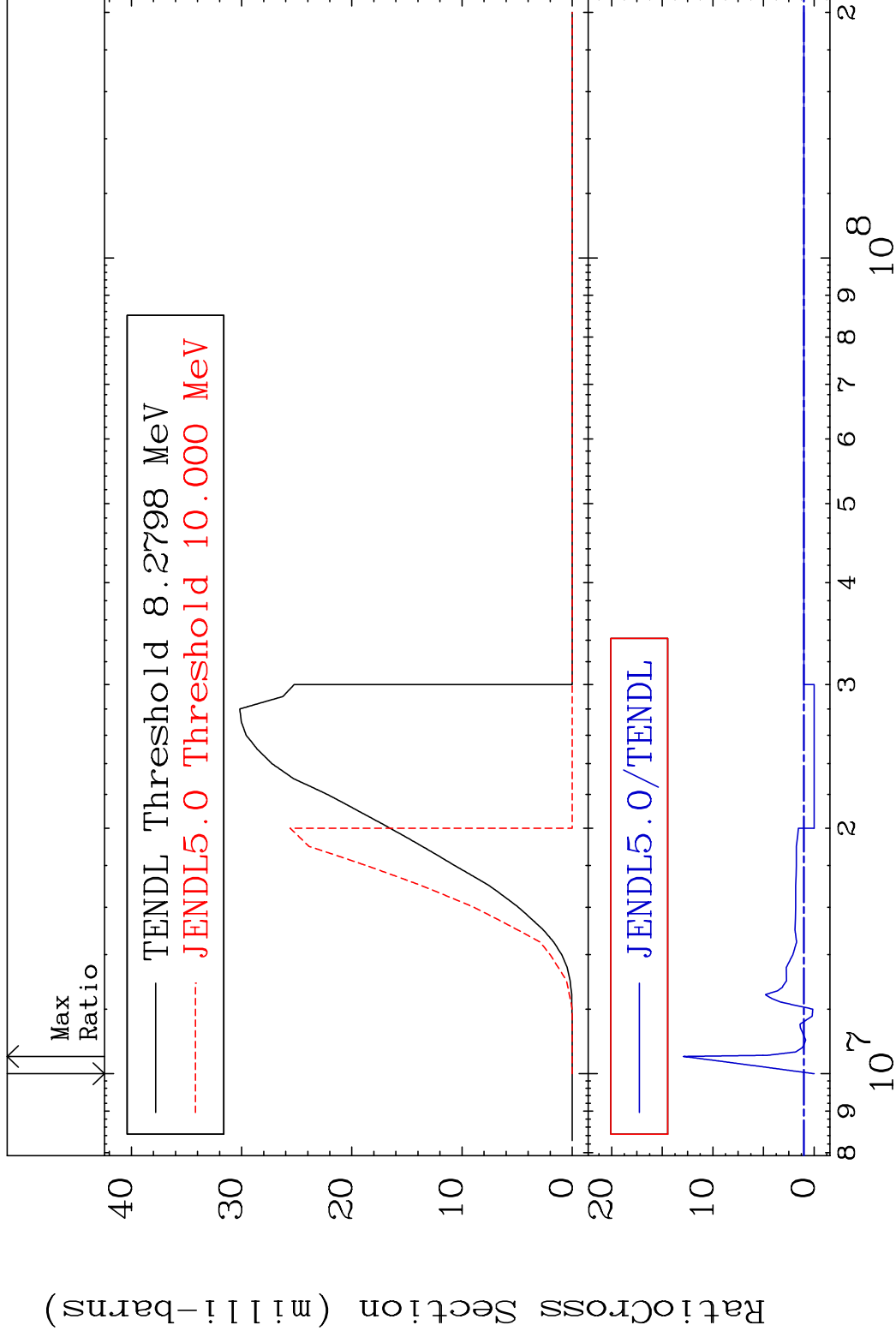


MAT 3437

(n,d)

³⁴Se-78

Cross Section -100.0 To 1189. %



42

Incident Energy (eV)

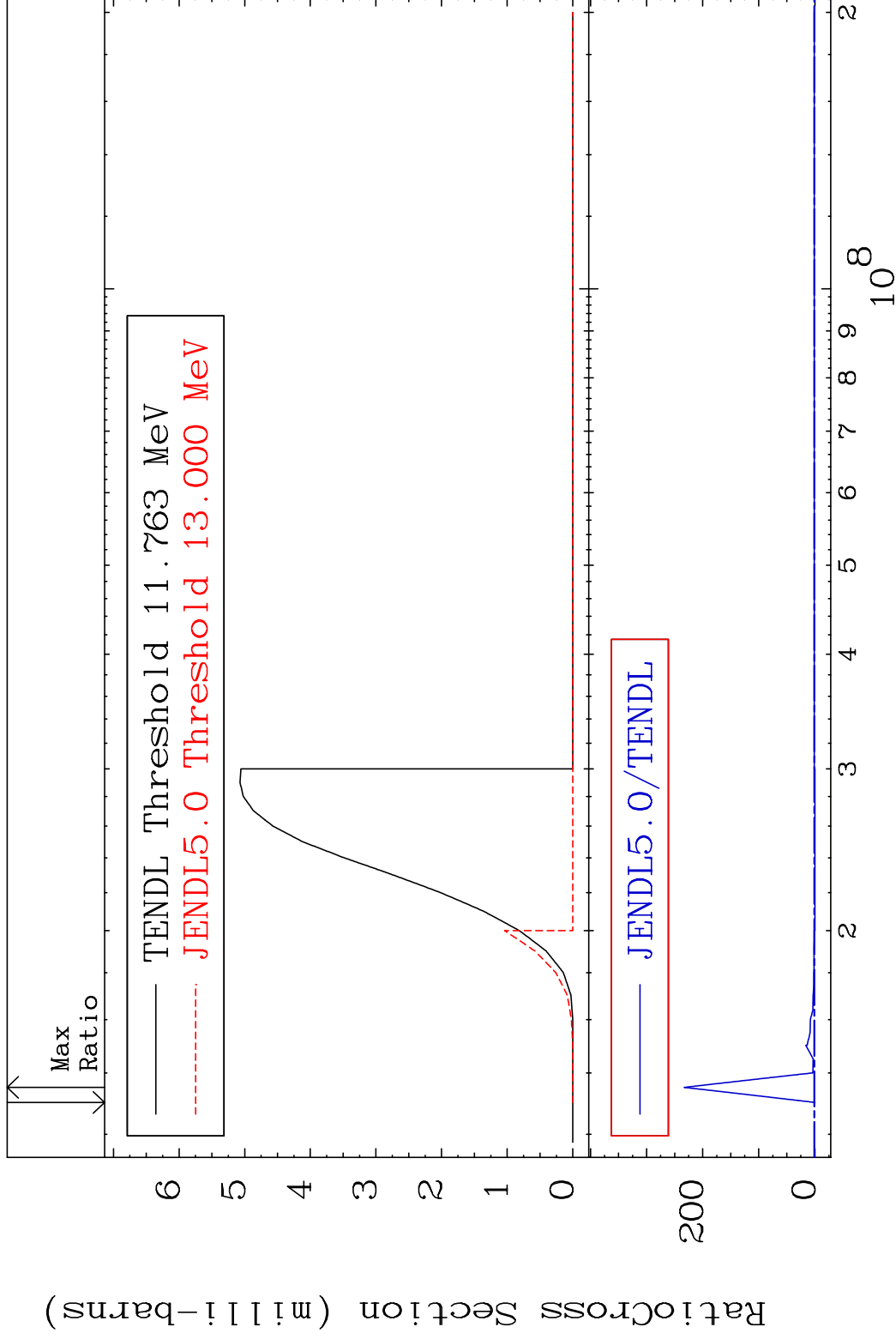
³⁴Se-78

MAT 3437

(n, t)

34-Se-78

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

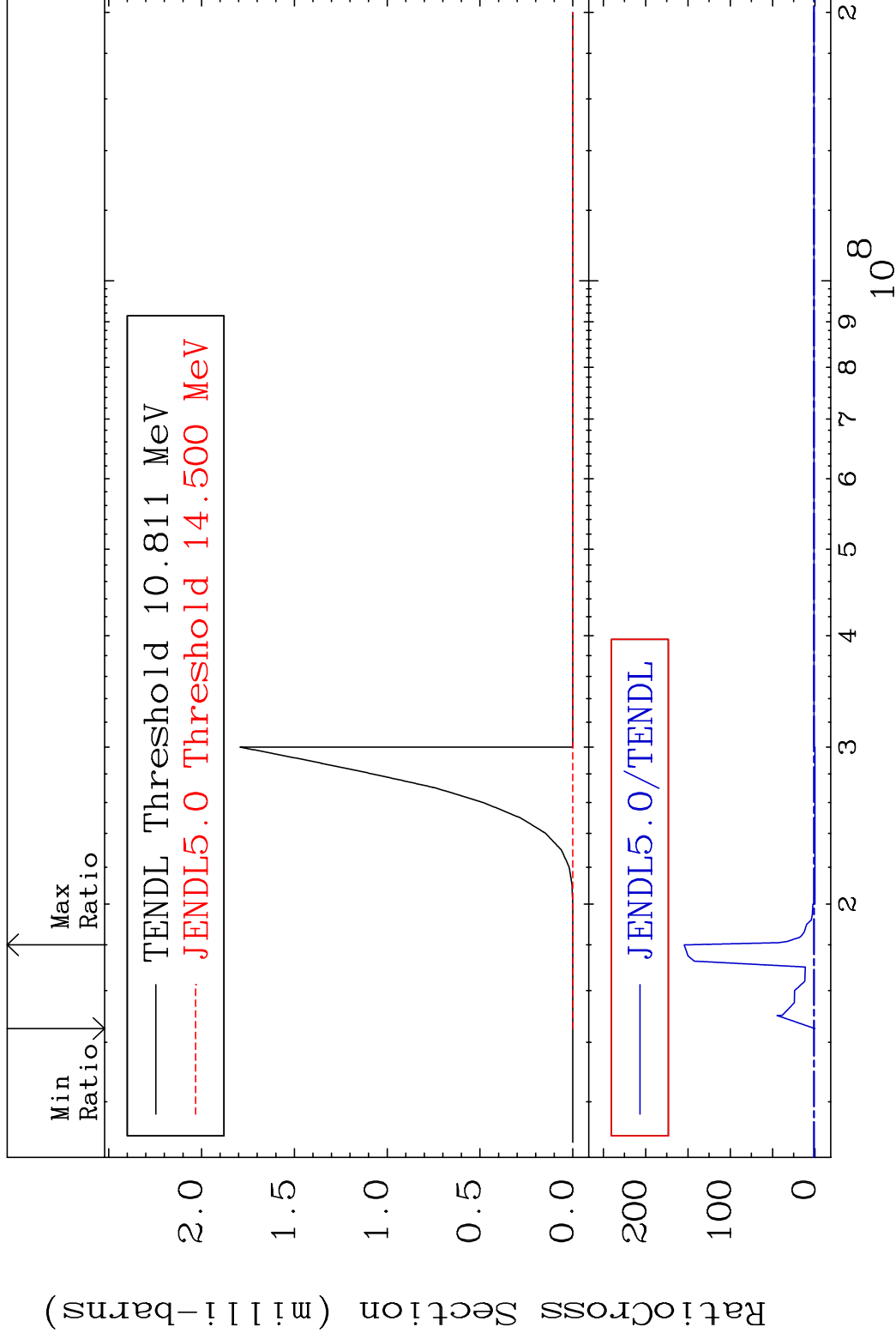
34-Se-78

MAT 3437

(n, He-3)

34-Se-78

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

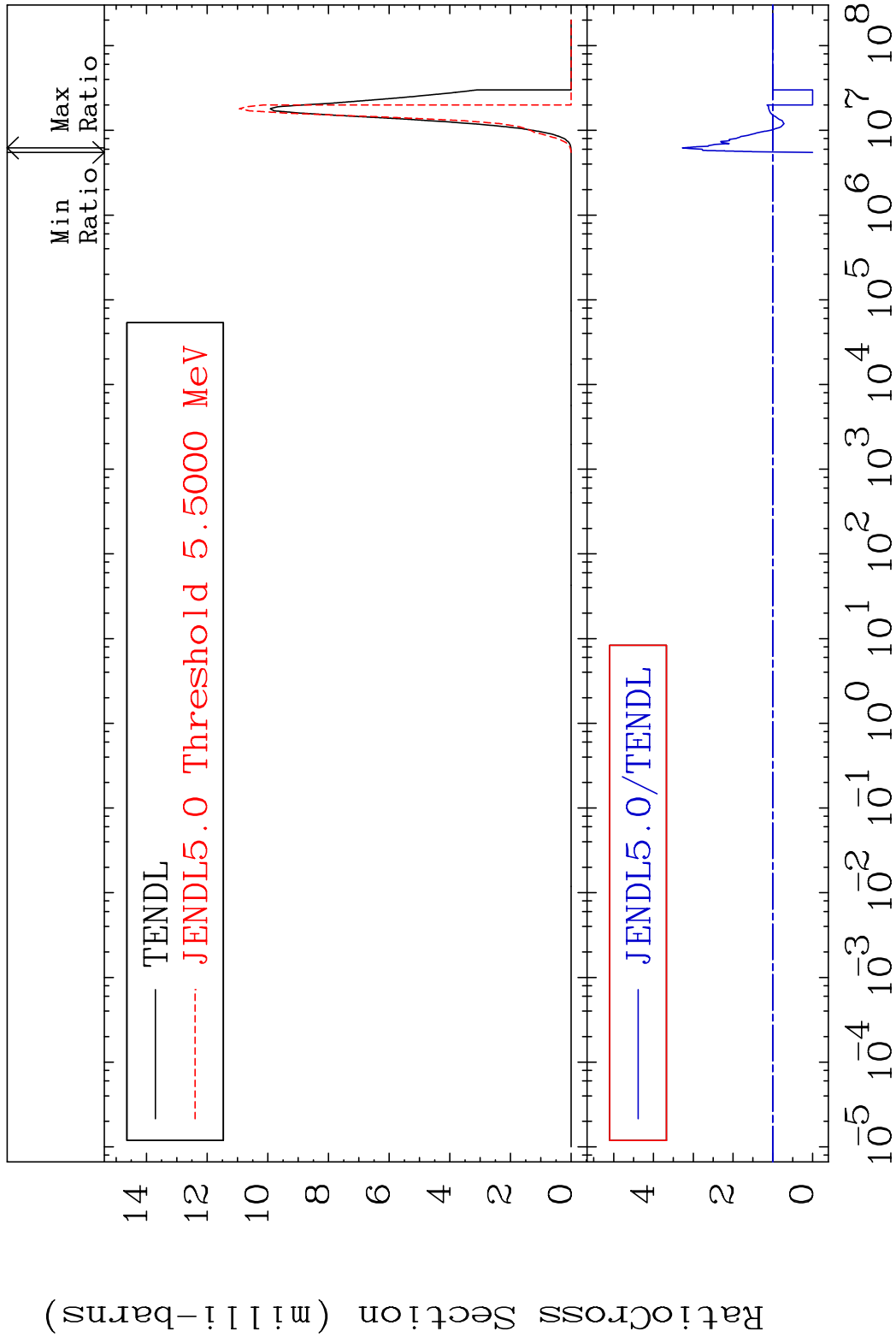
34-Se-78

MAT 3437

(n, α)

34-Se-78

Cross Section -100.0 To 227.3 %

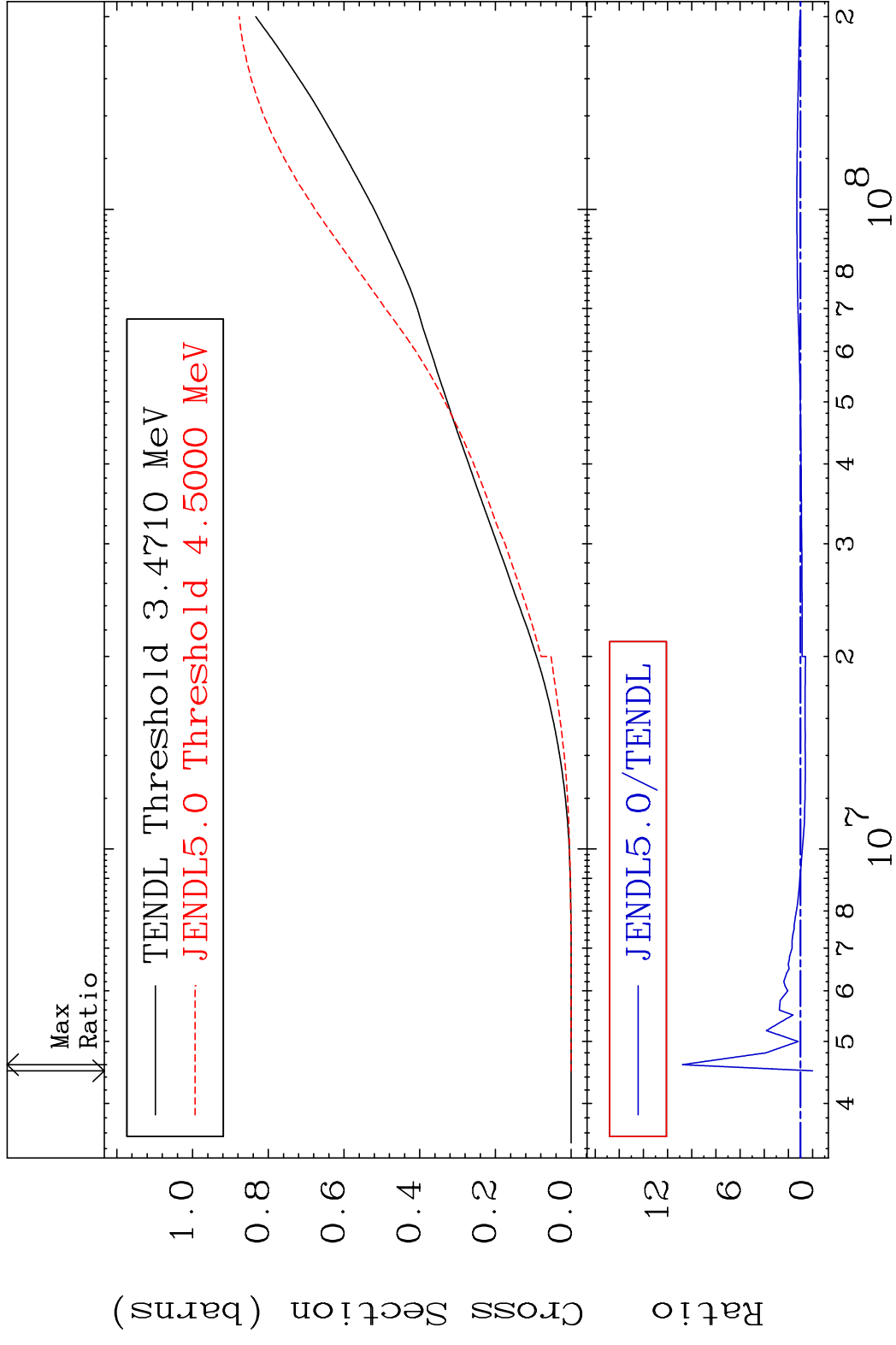


MAT 3437

Hydrogen Production

³⁴Se-78

Cross Section -100.0 To 978.1 %



46

Incident Energy (eV)

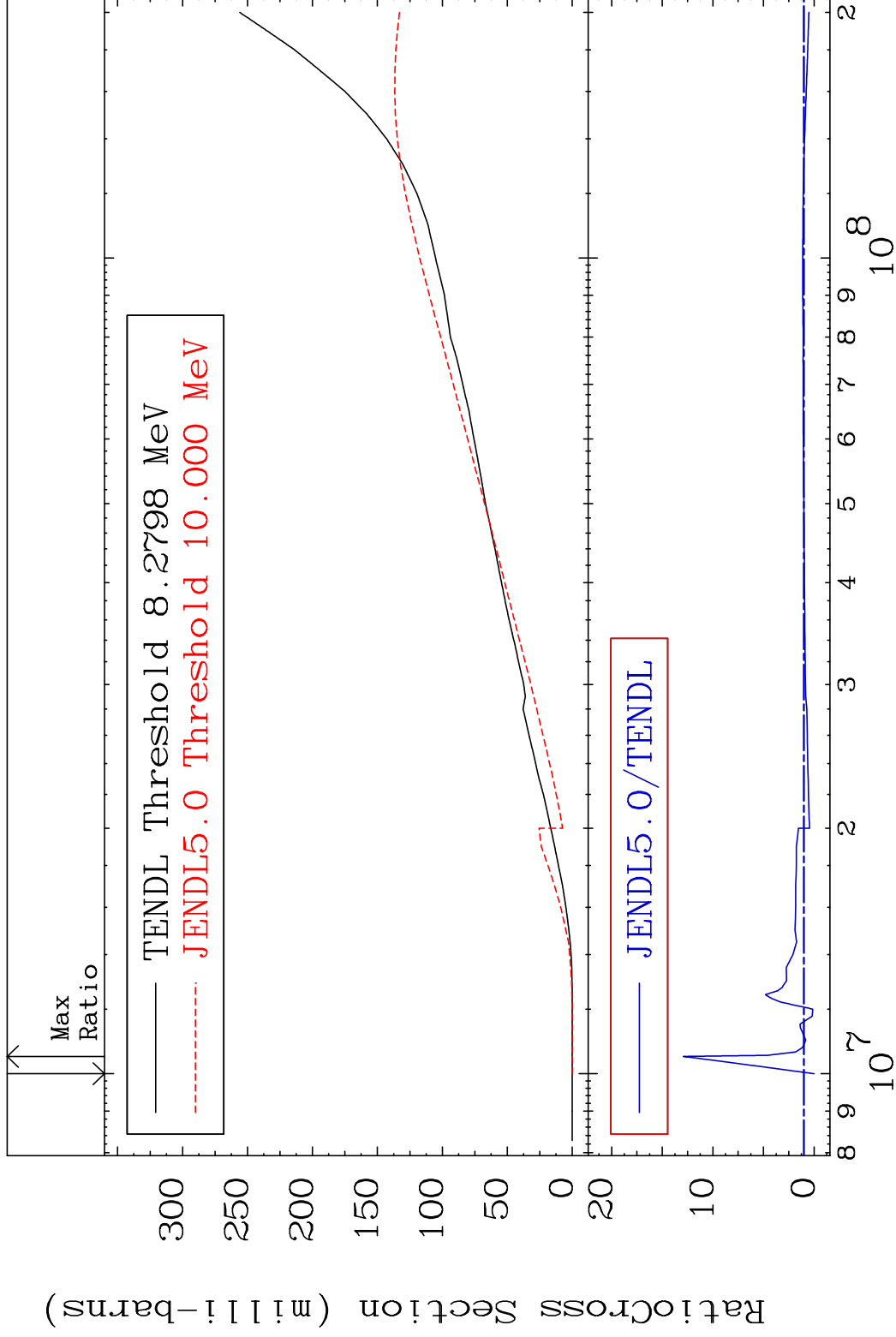
³⁴Se-78

MAT 3437

Deuterium Production

³⁴Se-78

Cross Section -100.0 To 1189. %



47

Incident Energy (eV)

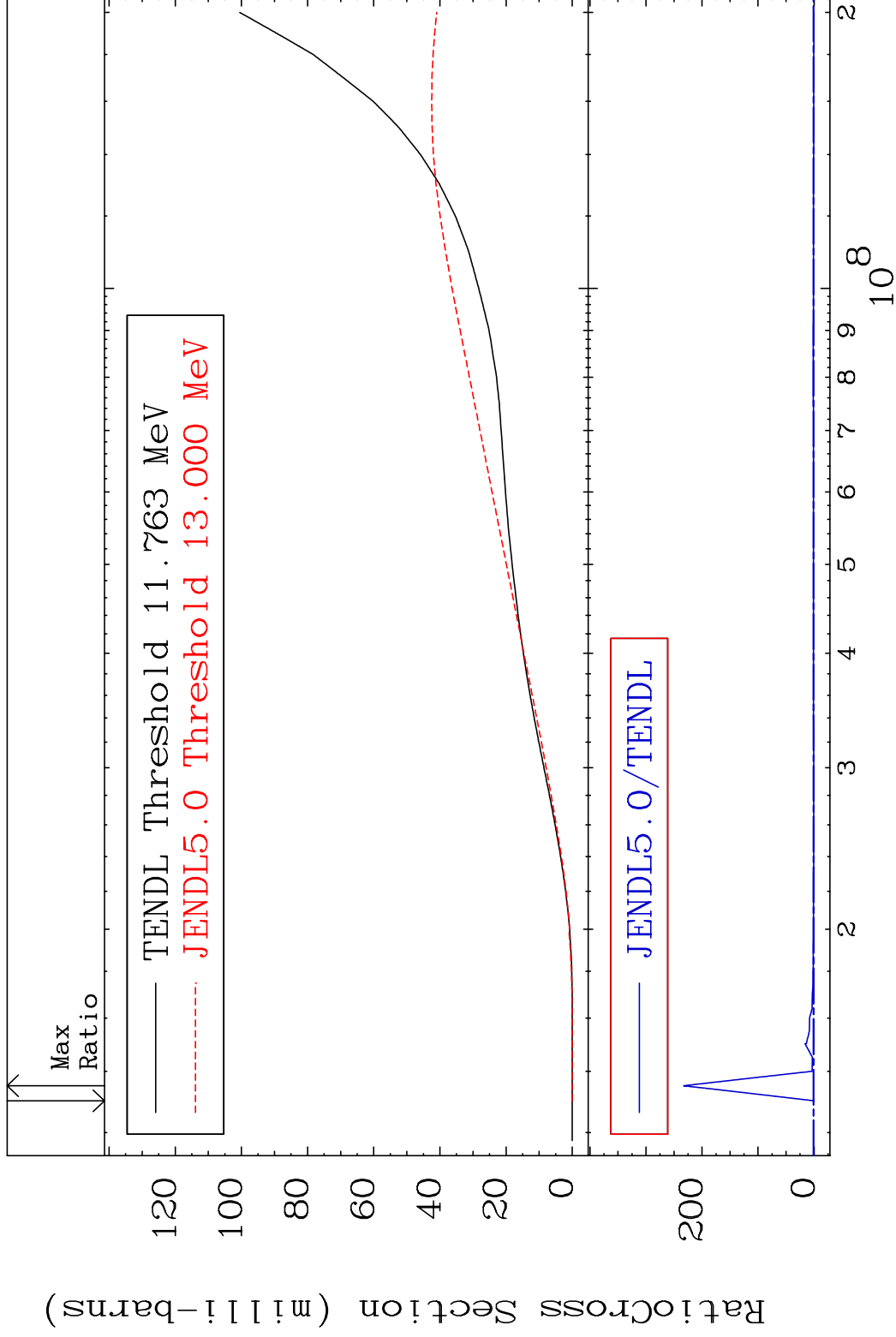
³⁴Se-78

MAT 3437

Tritium Production

³⁴Se-78

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

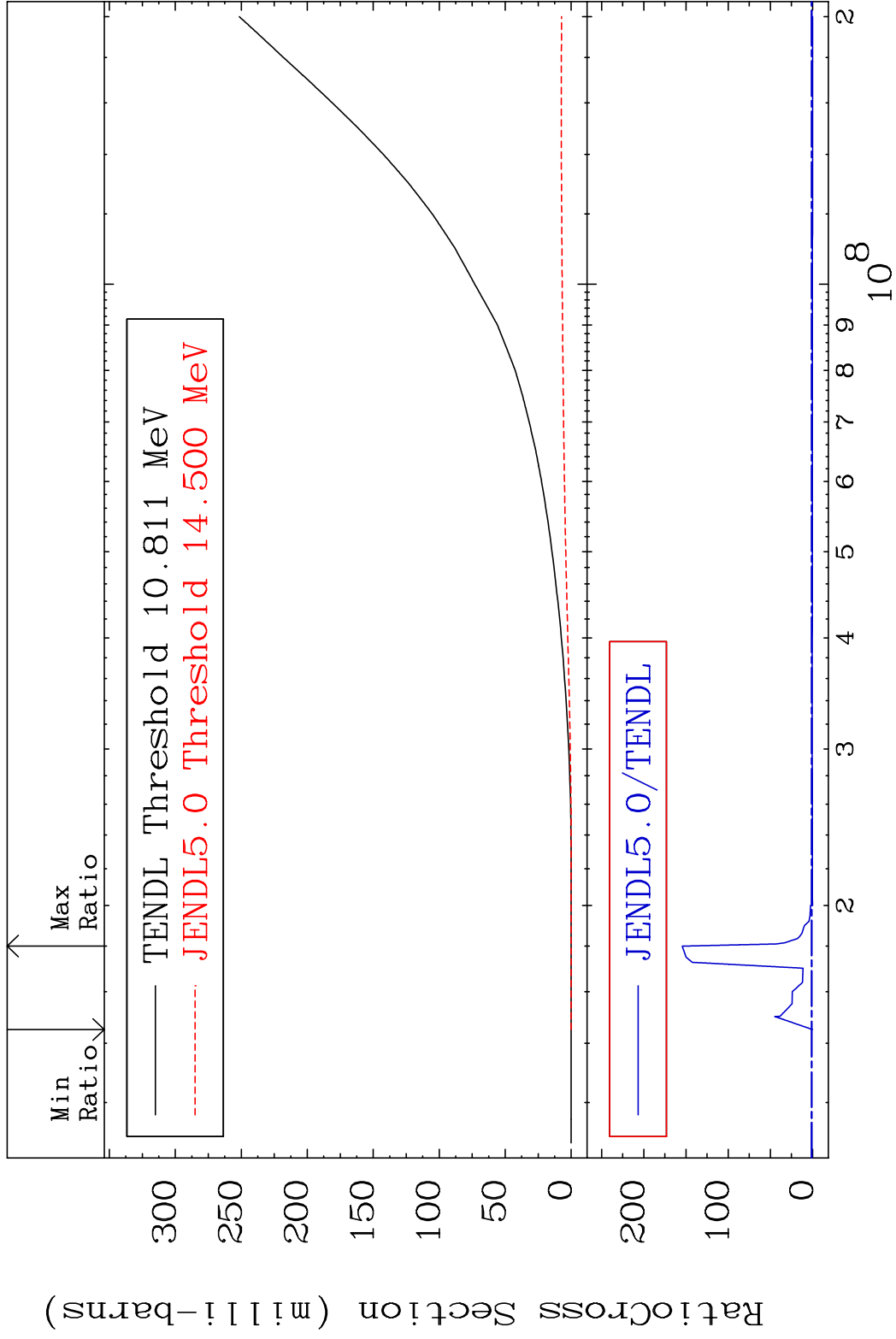
³⁴Se-78

MAT 3437

He-3 Production

34-Se-78

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

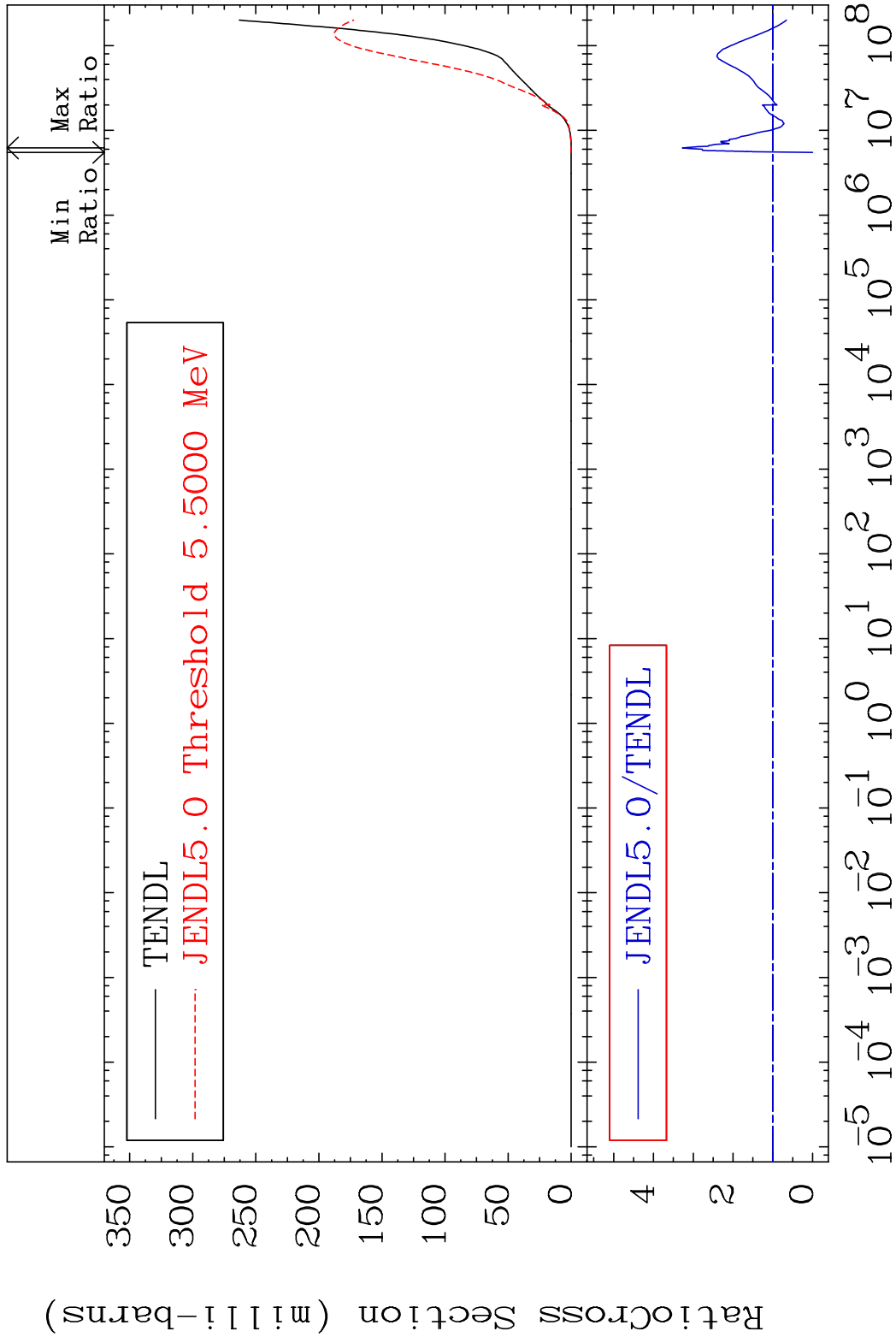
34-Se-78

MAT 3437

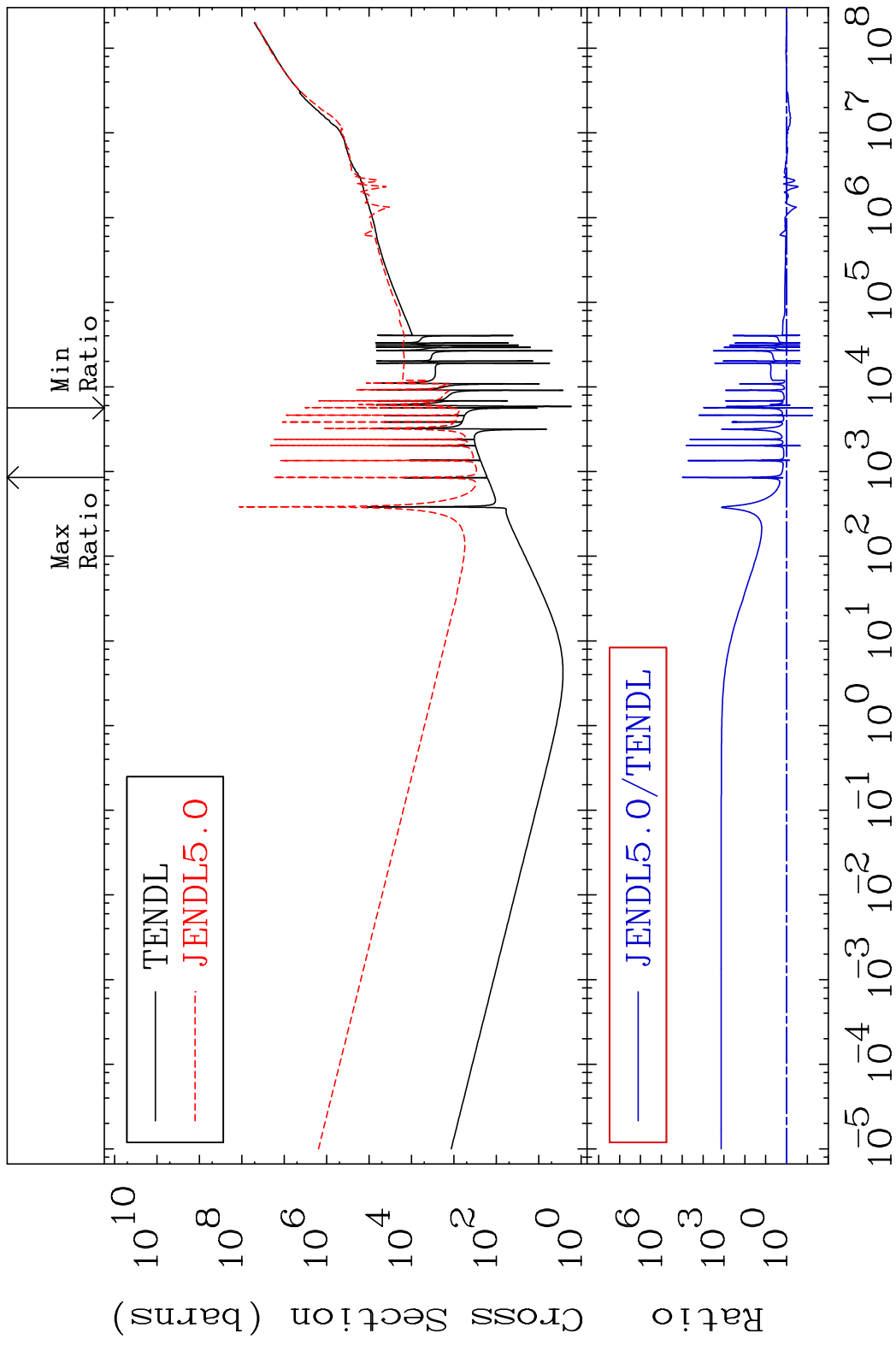
He-4 Production

34-Se-78

Cross Section -100.0 To 227.3 %



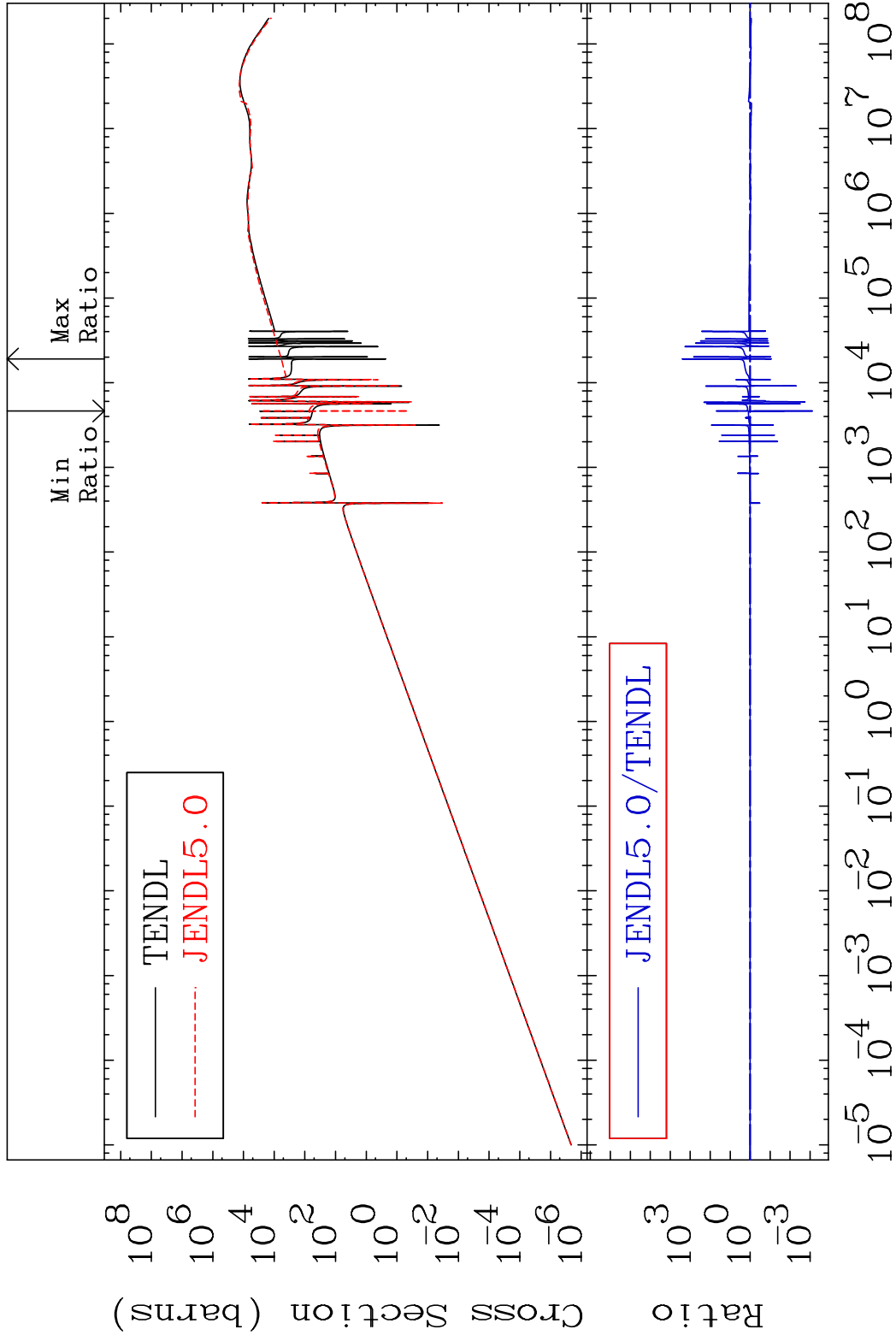
MAT 3437 Kerma total (eV-barns) 34-Se-78
 Cross Section -94.36 To 9999. %



MAT 3437

Kerma elastic
Cross Section

-99.92 To 9999. %
34-Se-78

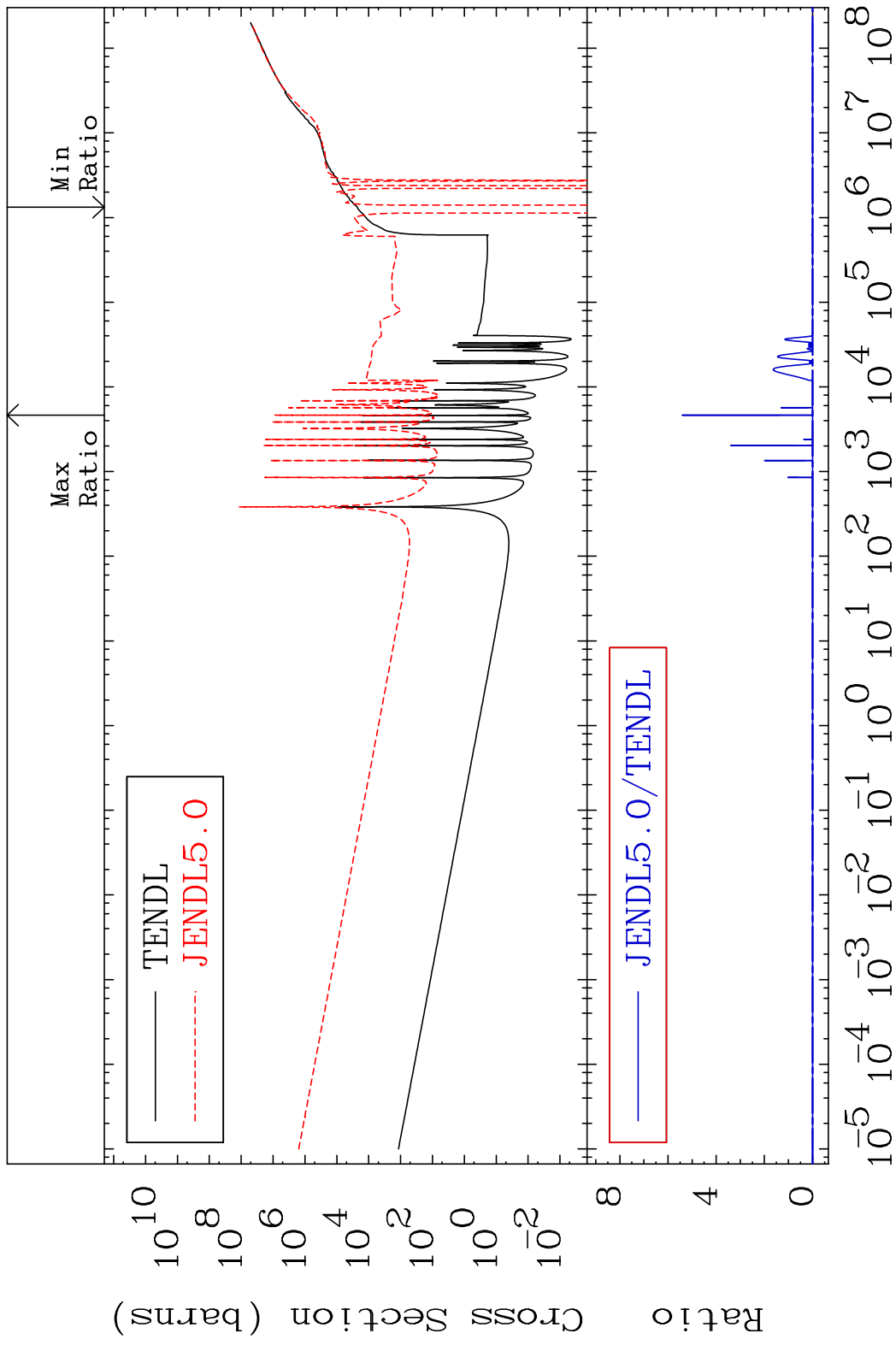


52

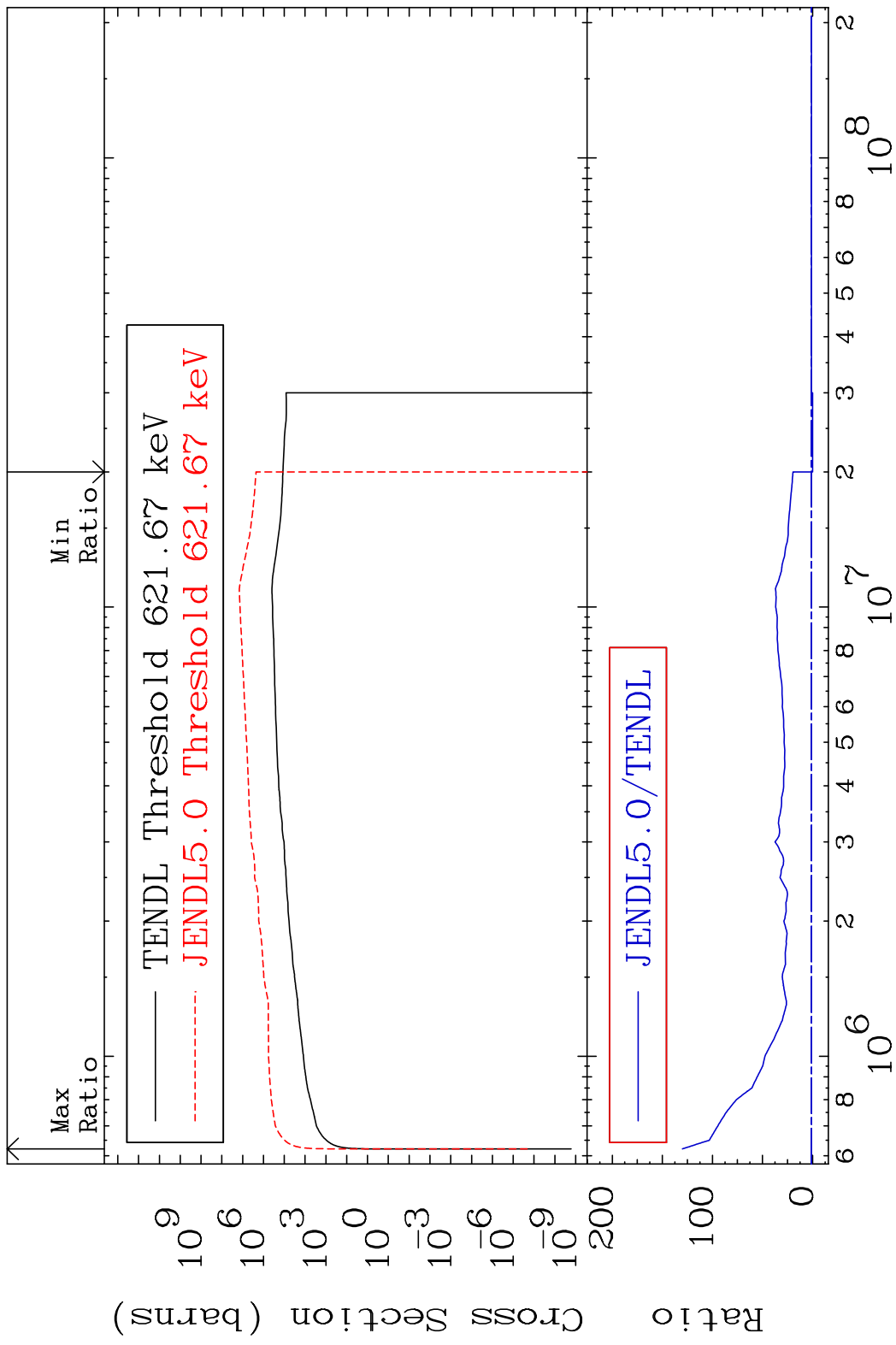
Incident Energy (eV)

34-Se-78

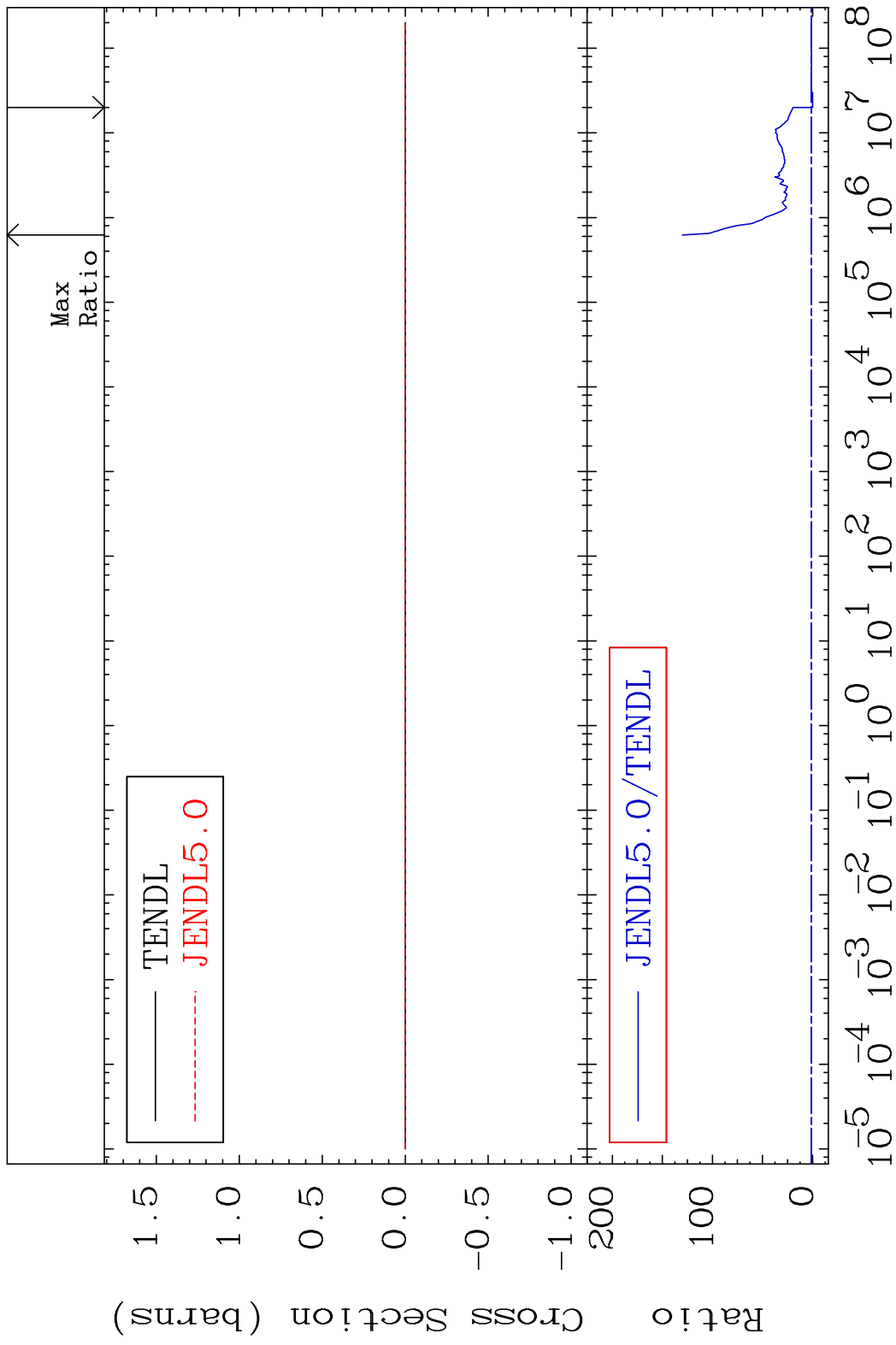
MAT 3437 Kerma non-elastic (all but mt2) 34-Se-78
 Cross Section -286.9 To 9999. %



MAT 3437 Kerma inelastic (mt51-91) 34-Se-78
 Cross Section -100.0 To 9999. %



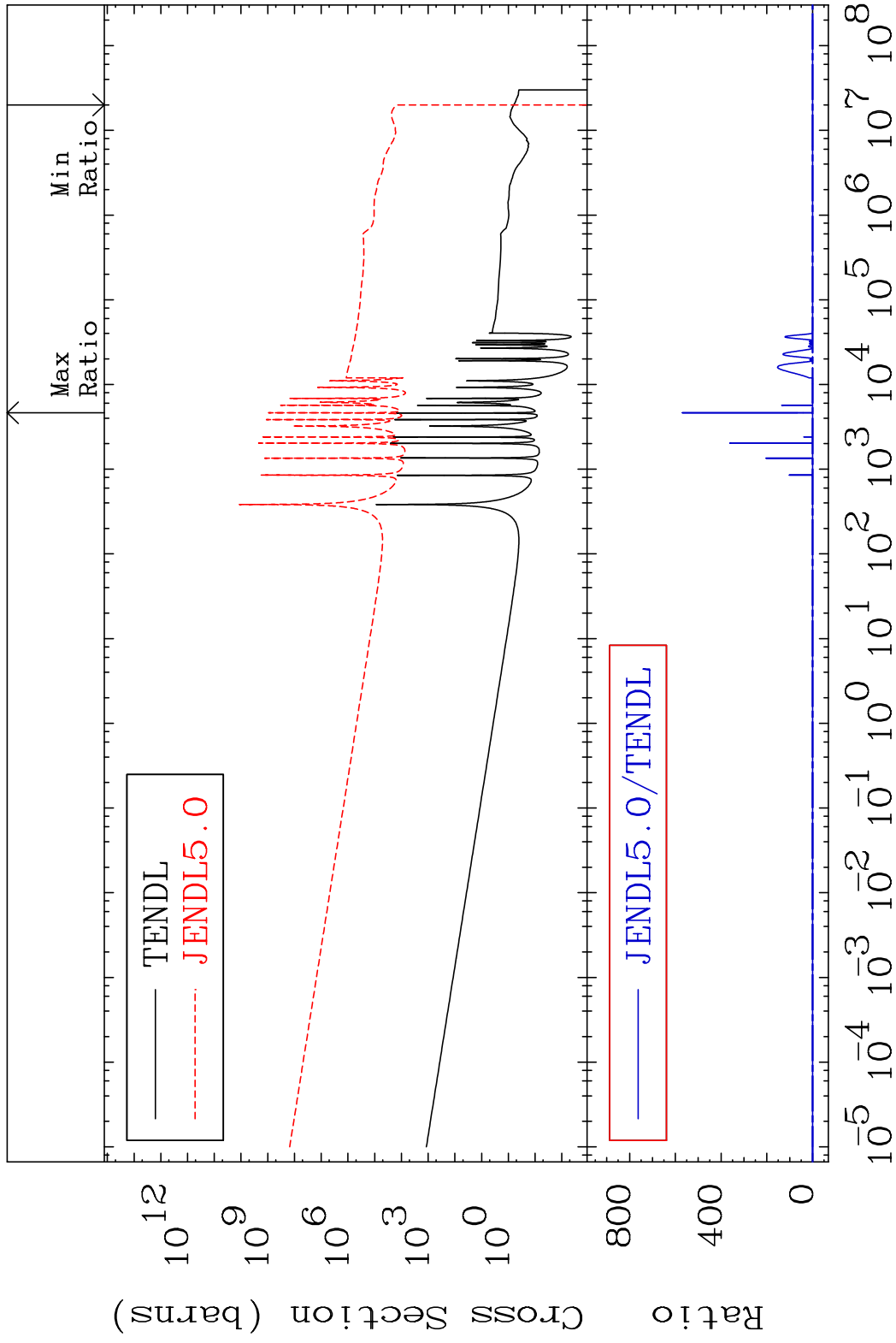
MAT 3437 Kerma fission (mt18 or mt19-20-21-38) 34-Se-78
 Cross Section -100.0 To 9999. %



MAT 3437

Kerma capture (mt102) 34-Se-78

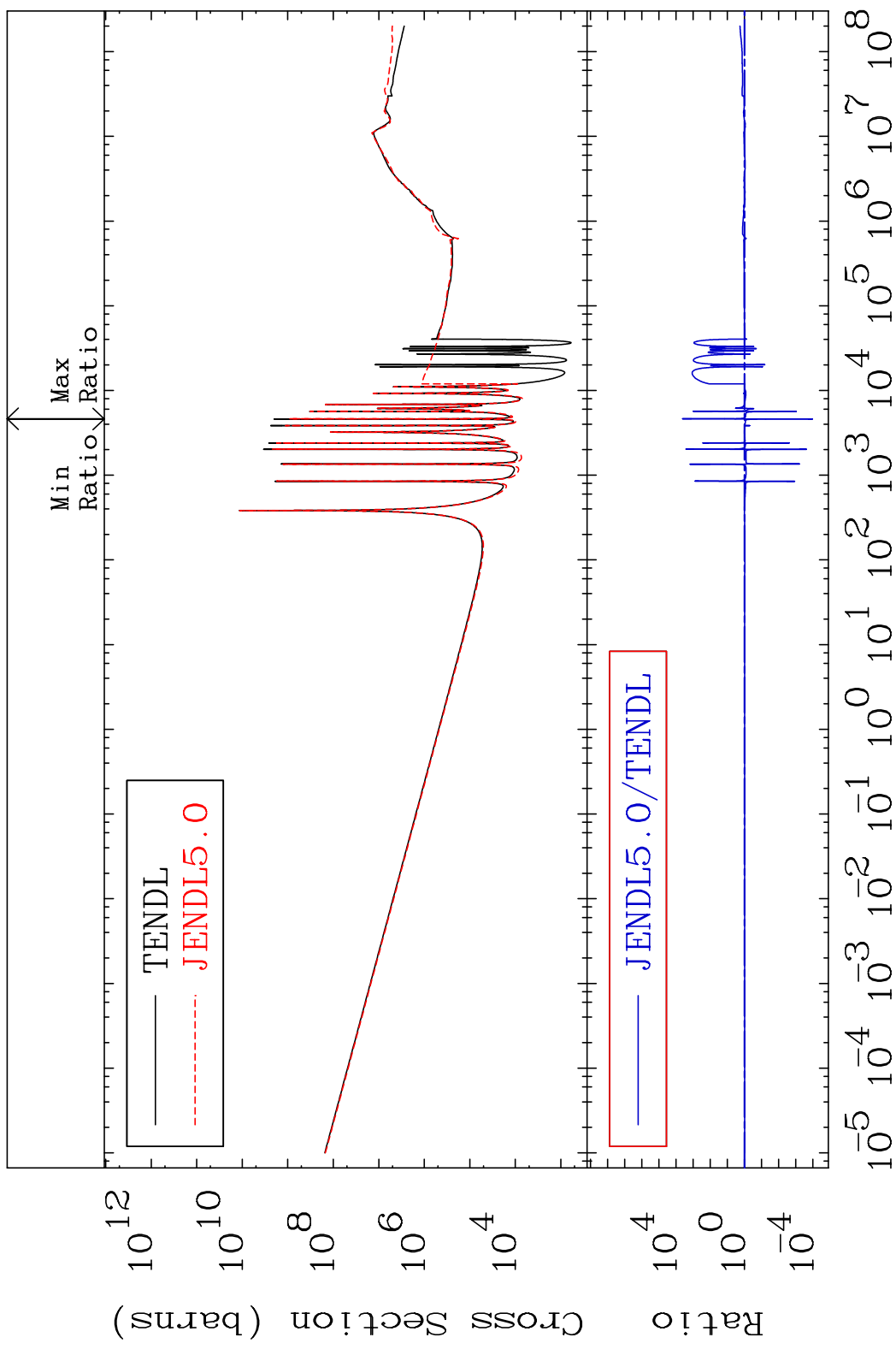
Cross Section -100.0 To 9999. %



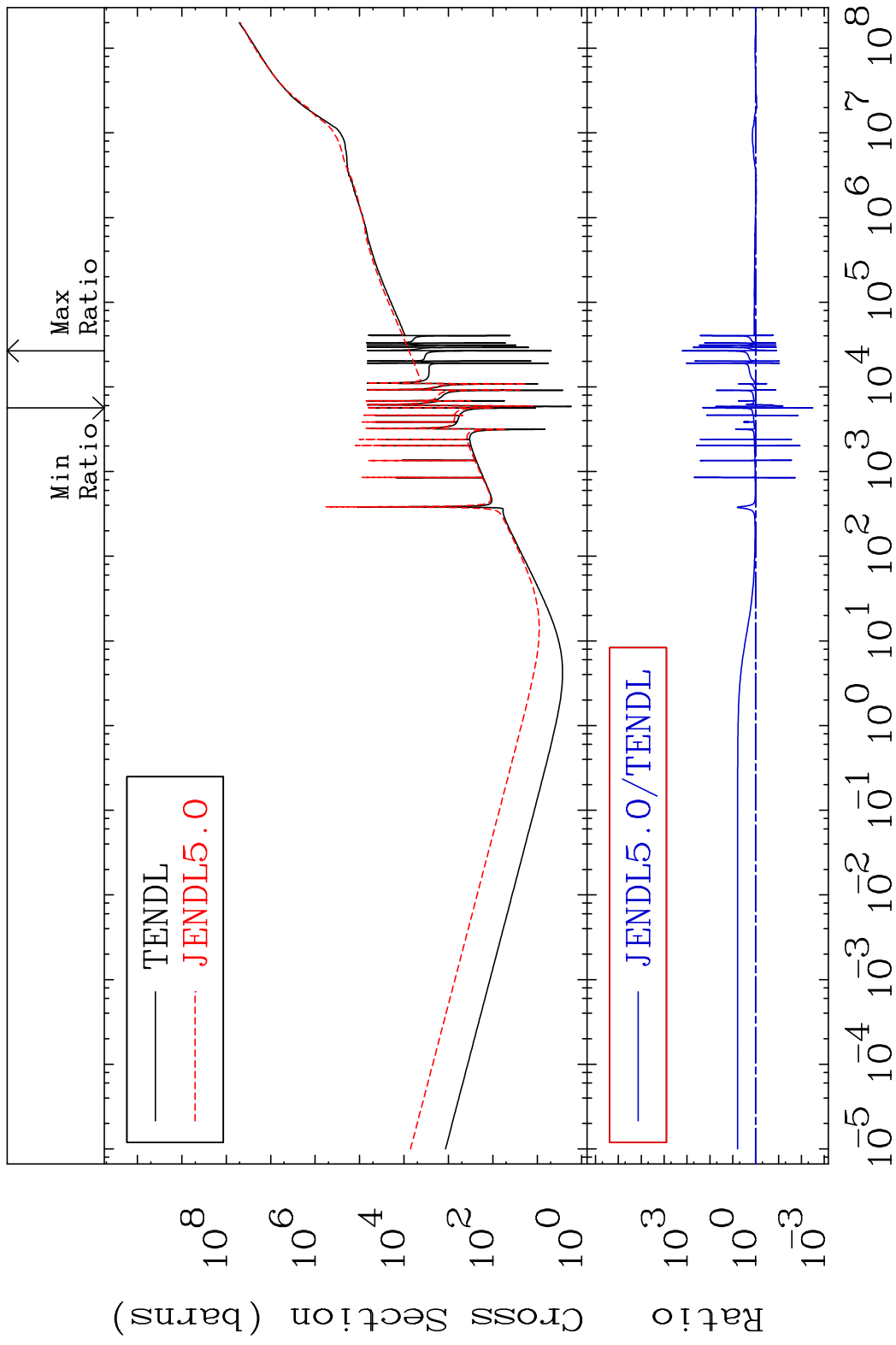
56

Incident Energy (eV)

34-Se-78



MAT 3437 Total kinematic kerma (high limit) 34-Se-78
 Cross Section -99.67 To 9999. %

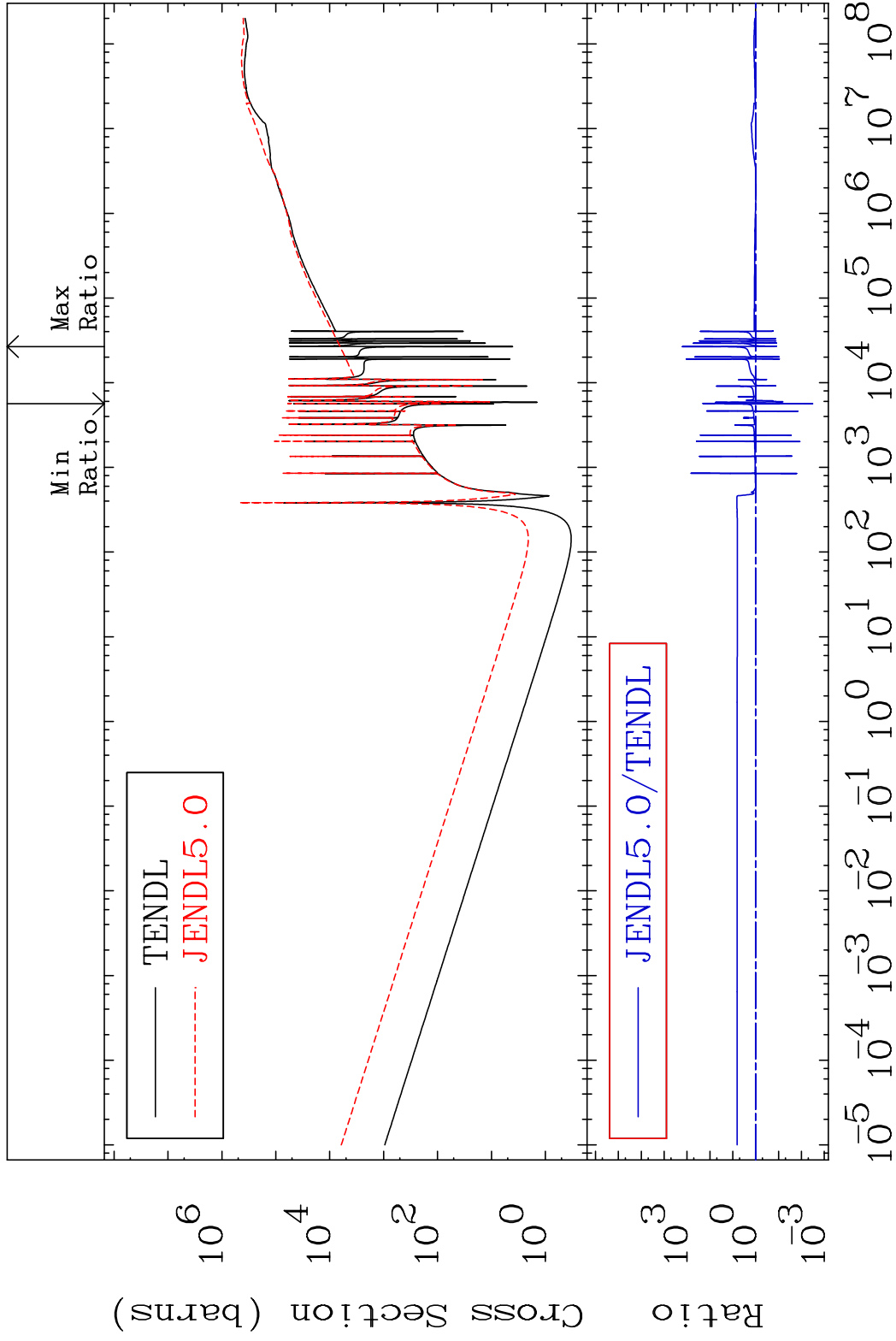


MAT 3437

Dpa total (eV-barns)

34-Se-78

Cross Section -99.67 To 9999. %



59

Incident Energy (eV)

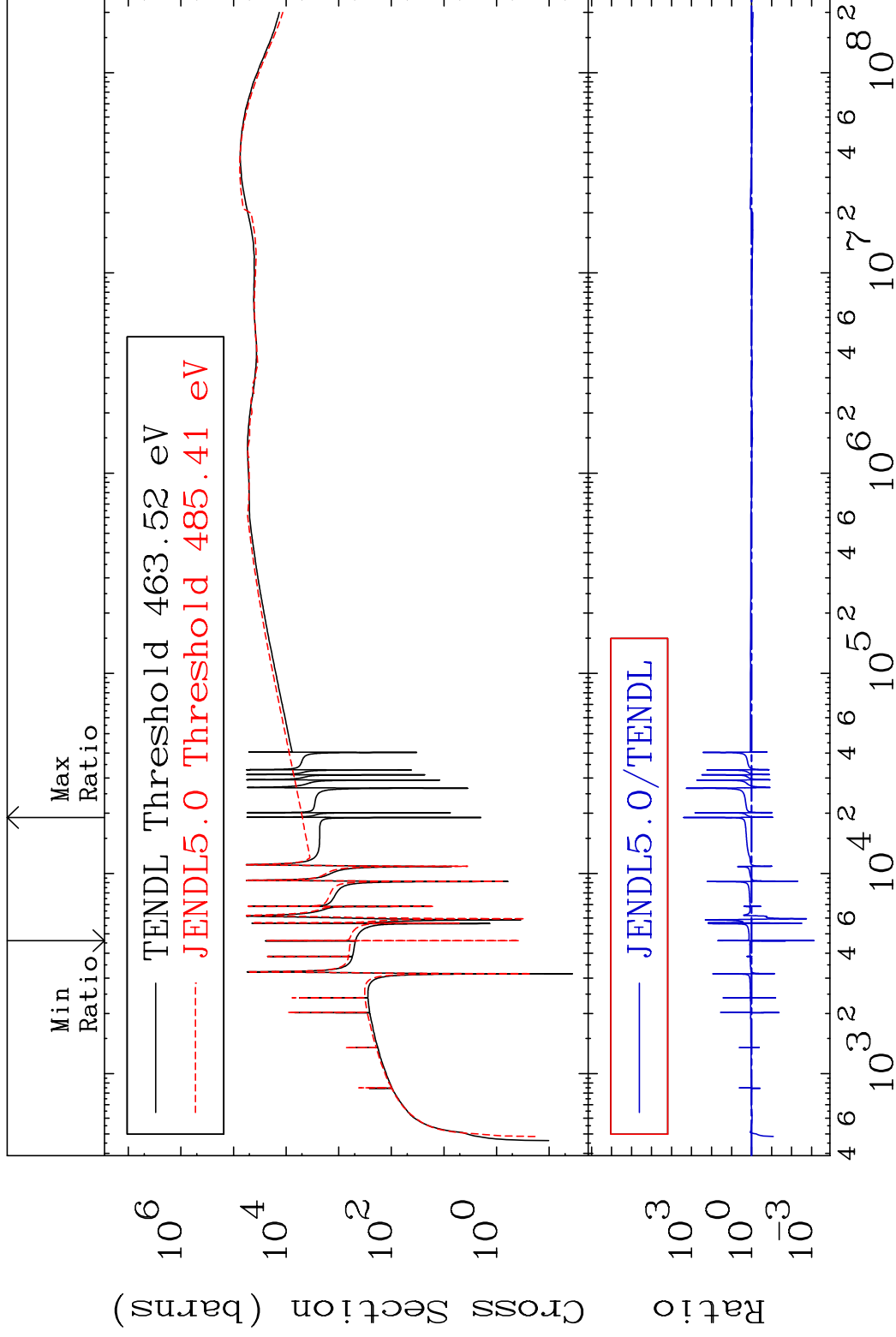
34-Se-78

MAT 3437

Dpa elastic (mt2)

34-Se-78

Cross Section -99.92 To 9999. %

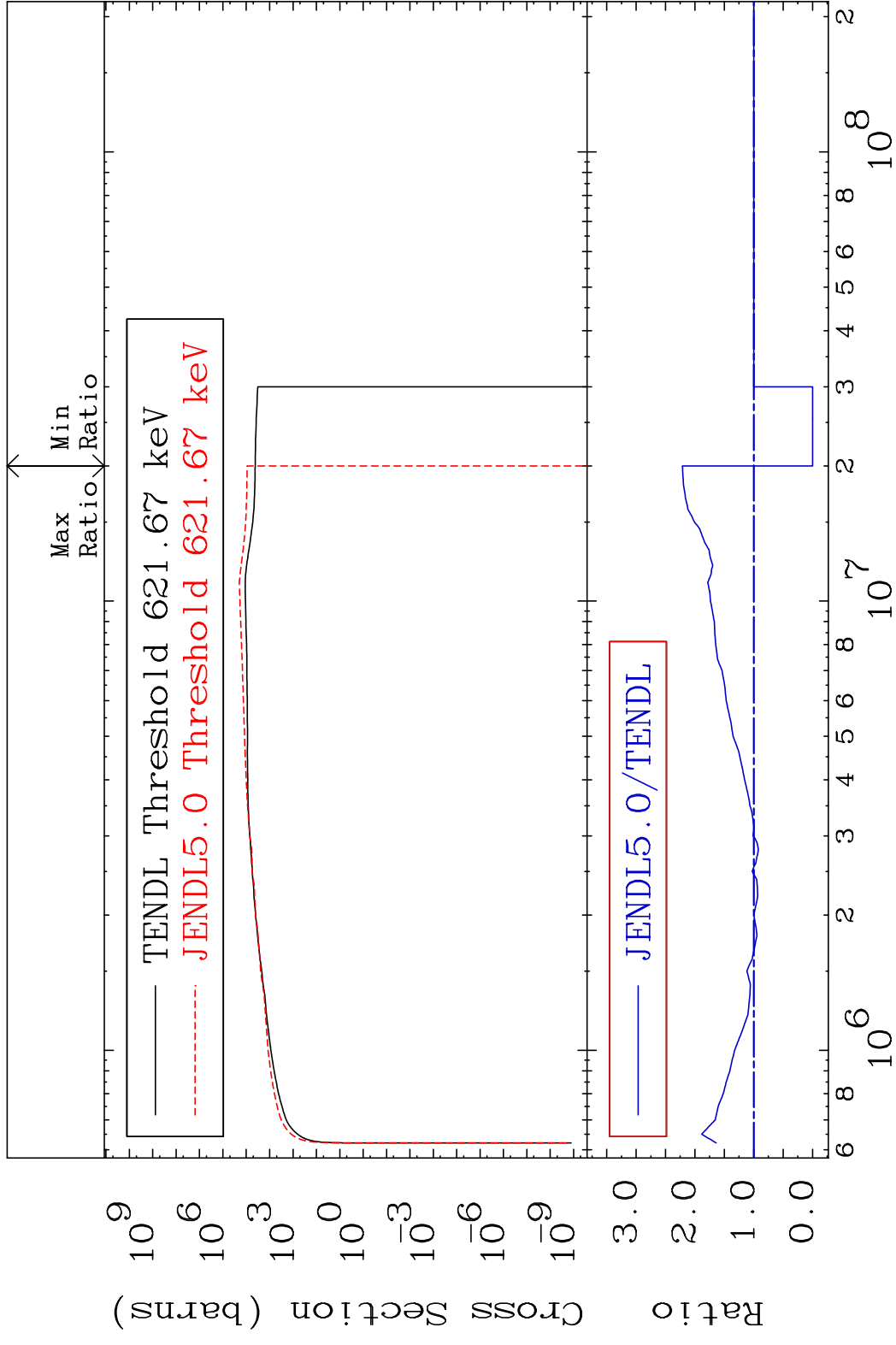


60

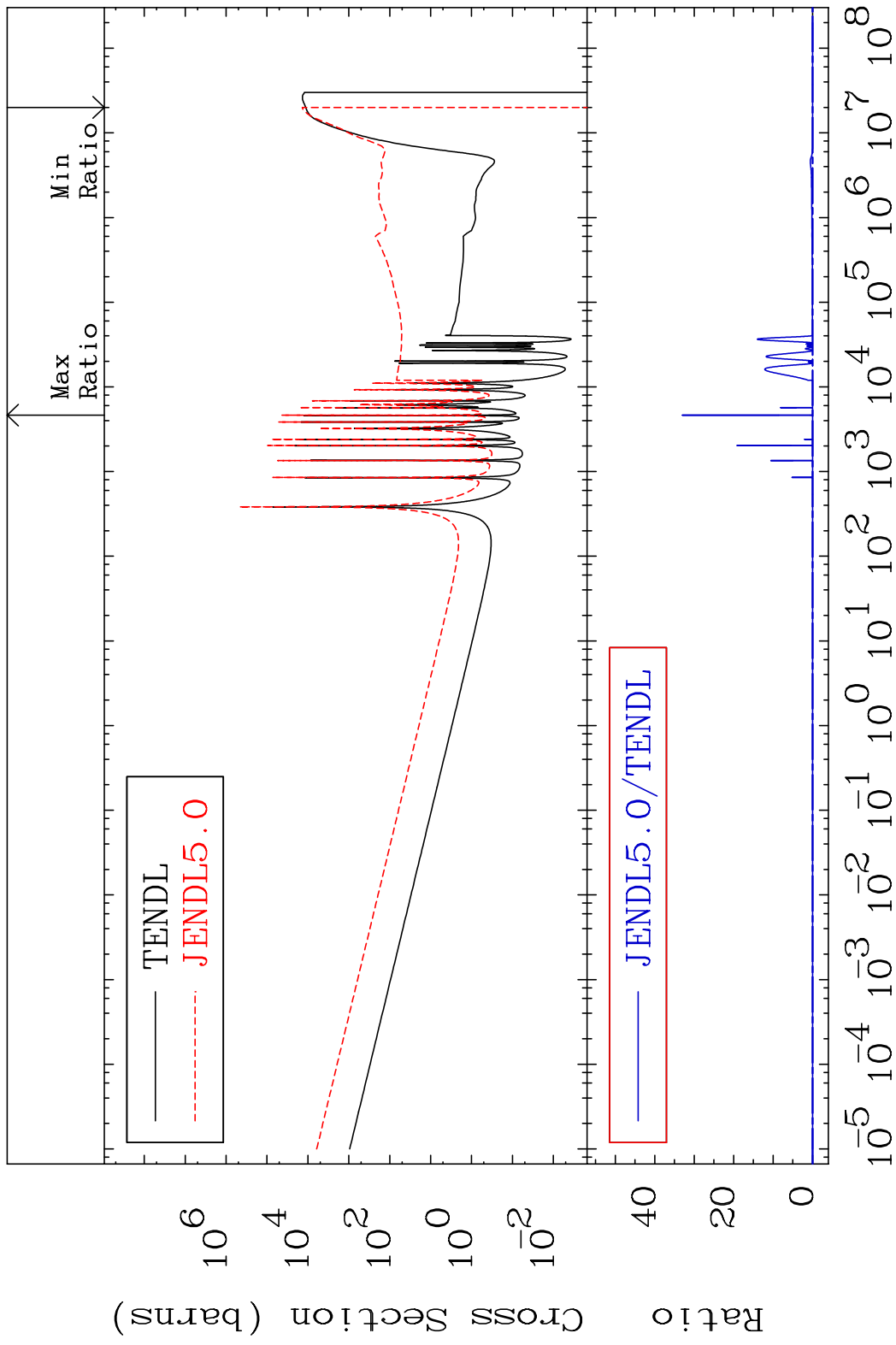
Incident Energy (eV)

34-Se-78

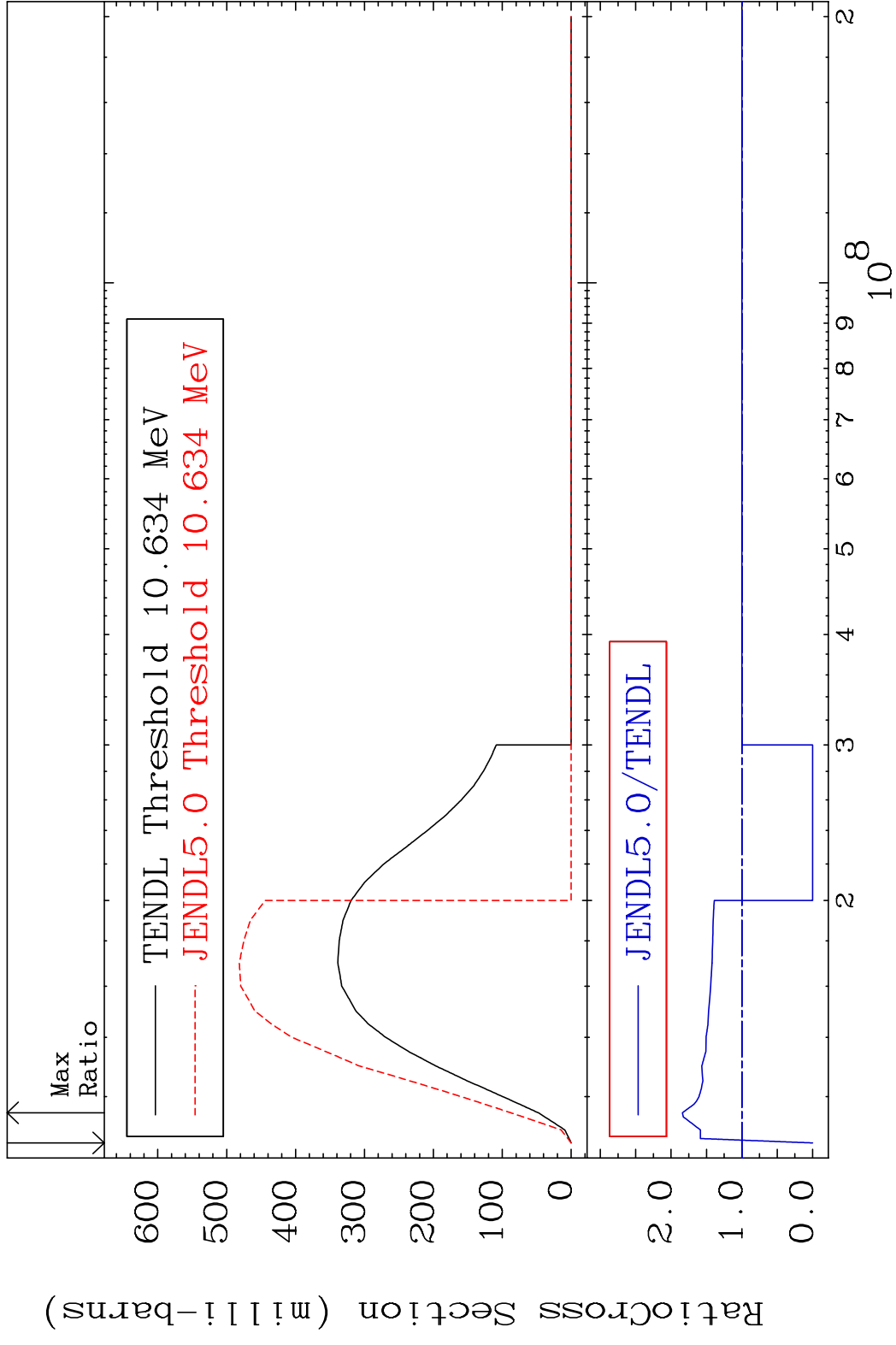
MAT 3437 Dpa inelastic (mt51-91) 34-Se-78
 Cross Section -100.0 To 121.4 %



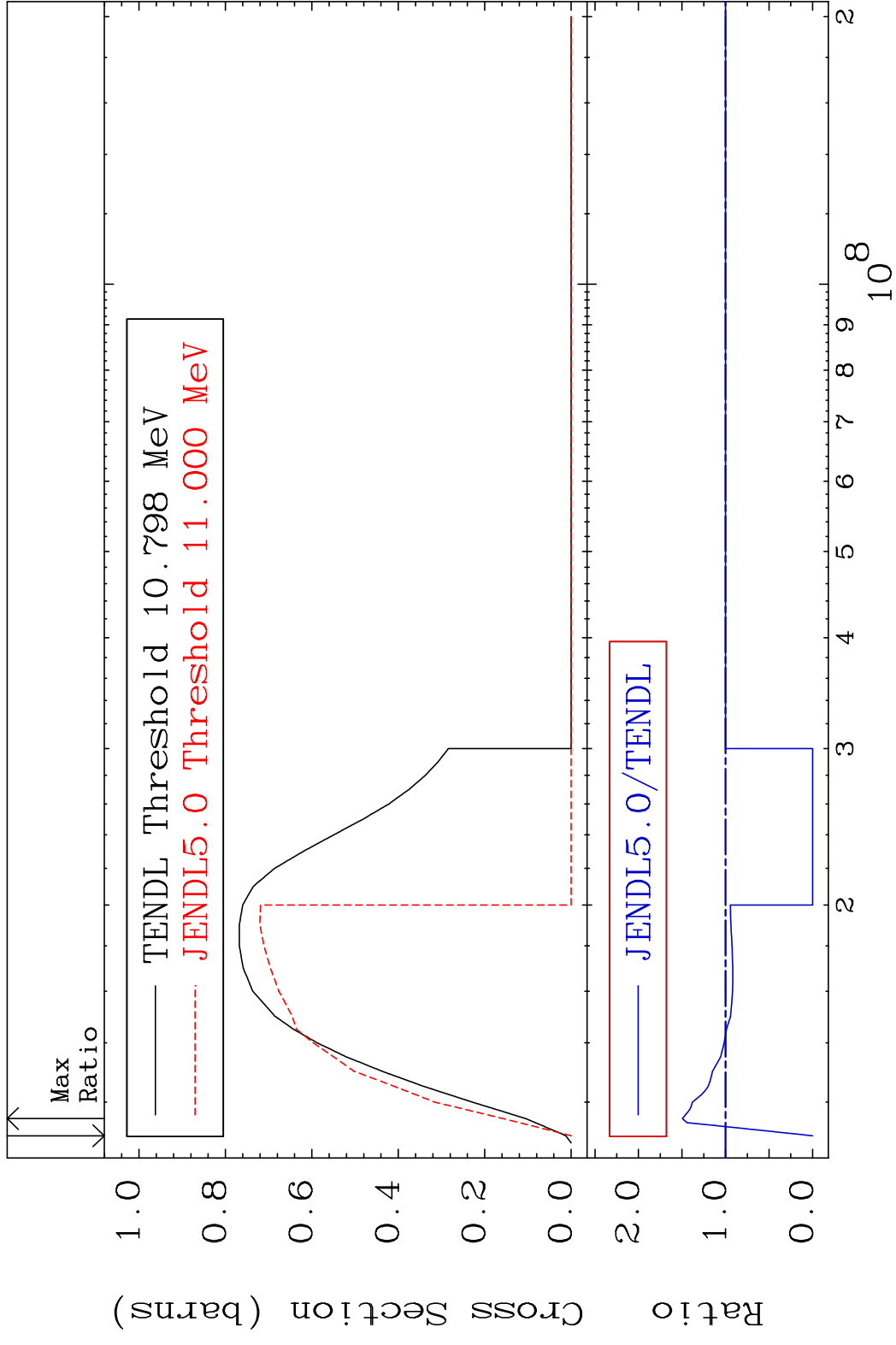
MAT 3437 Dpa disappearance (mt102 -120) 34-Se-78
 Cross Section -100.0 To 9999. %



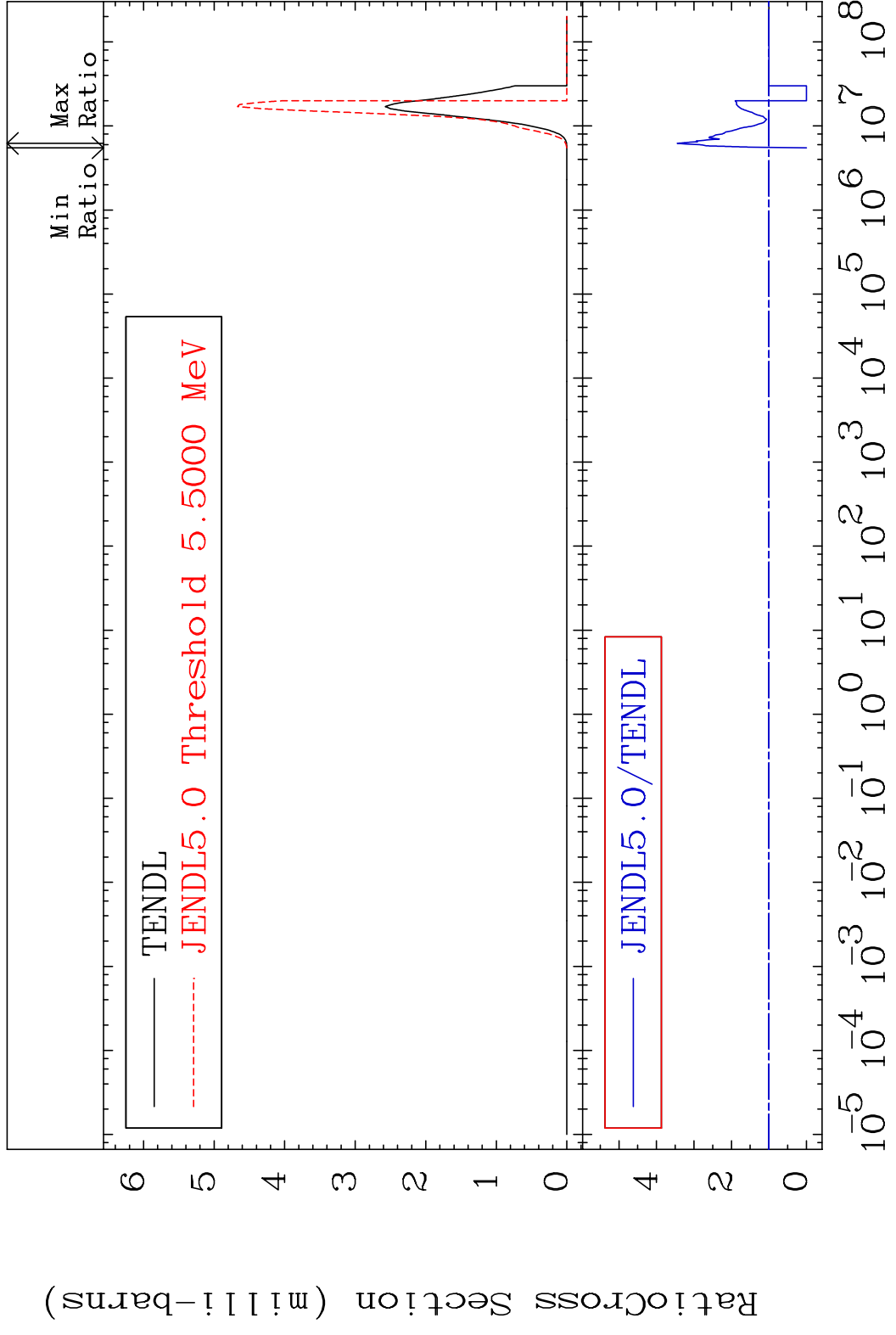
MAT 3437 (n,2n):34-Se-77g 34-Se-78
 Radionuclide Production Cross Section Ratio 84.07 %



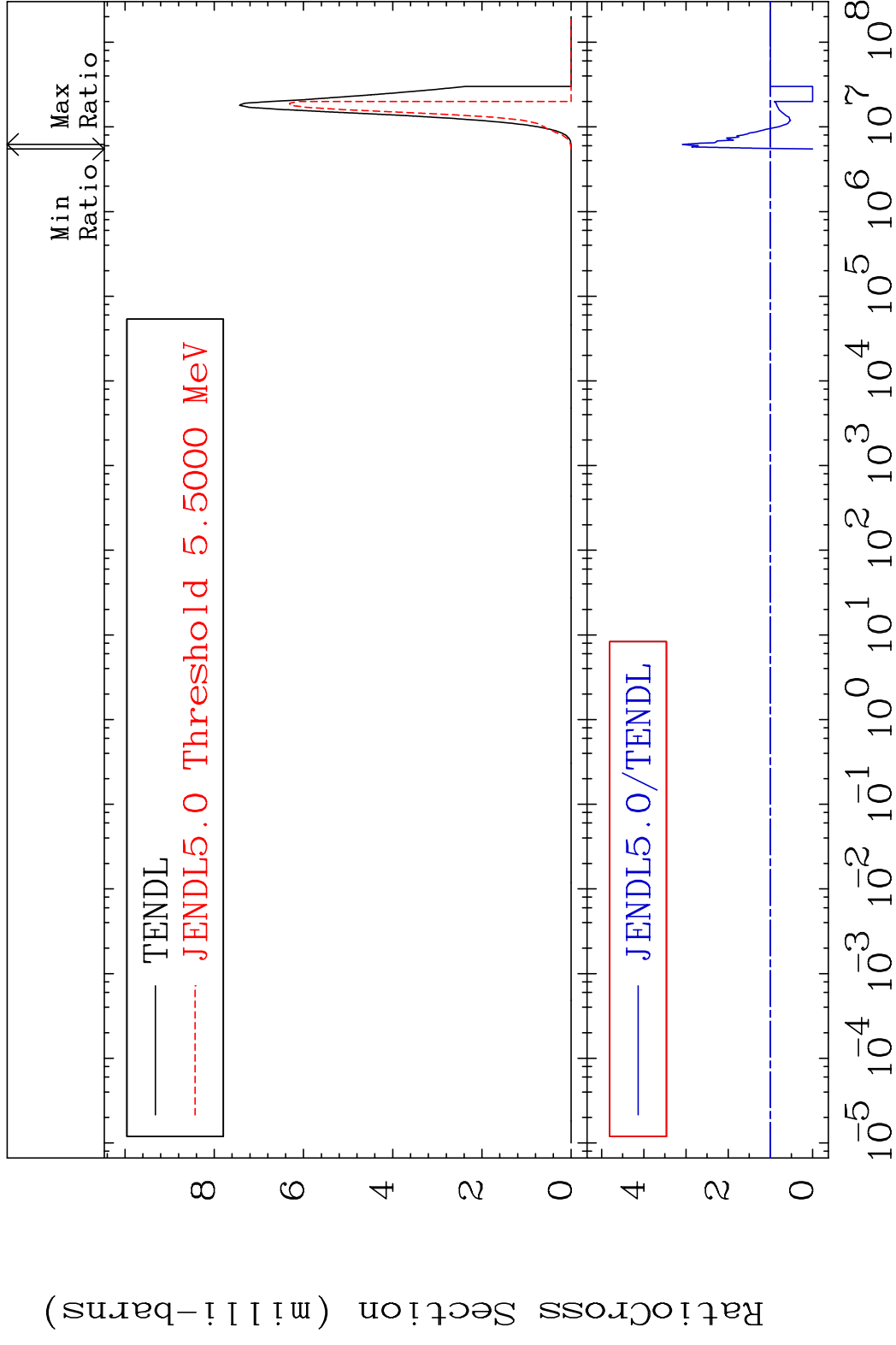
MAT 3437 (n,2n):34-Se-77m1 34-Se-78
 Radionuclide Production Cross Section Ratio 49.59 %



MAT 3437 (n, α): 32-Ge-75g 34-Se-78
 Radionuclide Production Cross Section 180.0 dth 244.7 %



MAT 3437 (n,α):32-Ge-75m2 34-Se-78
 Radionuclide Production Cross Section 180.0 dth 208.5 %

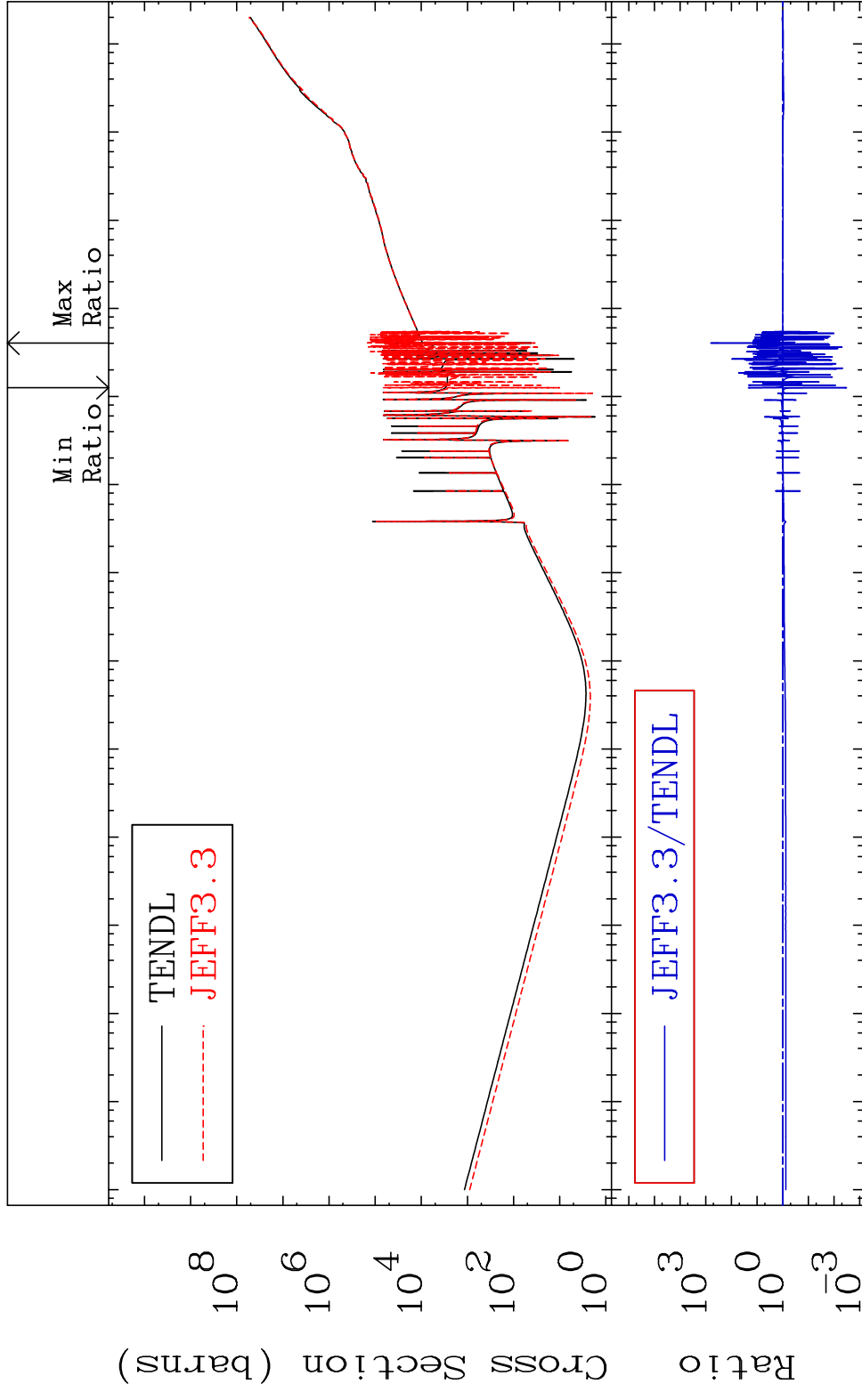


MAT 3437

Kerma total (eV-barns)

34-Se-78

Cross Section -99.67 To 9999. %



67

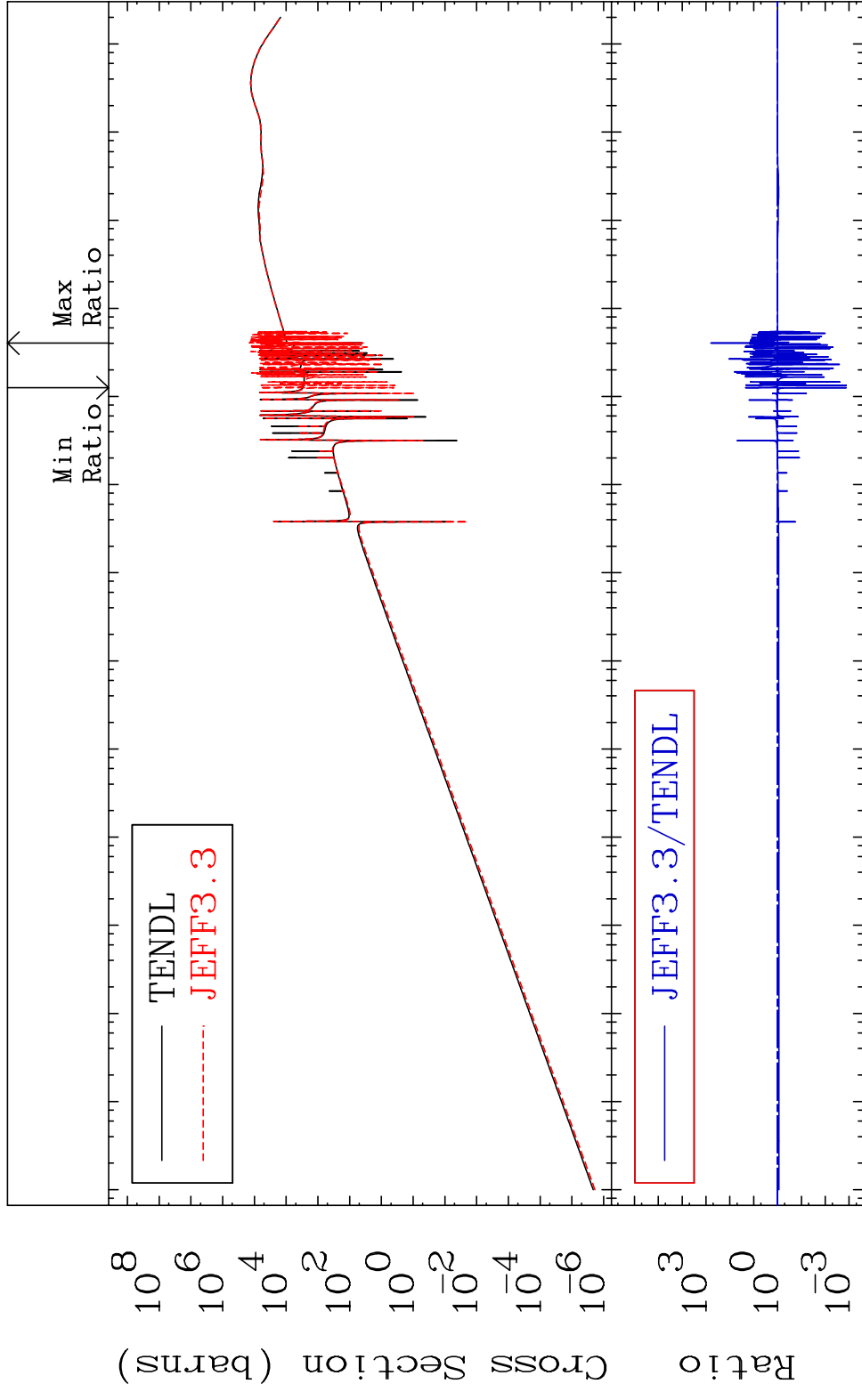
Incident Energy (eV)

34-Se-78

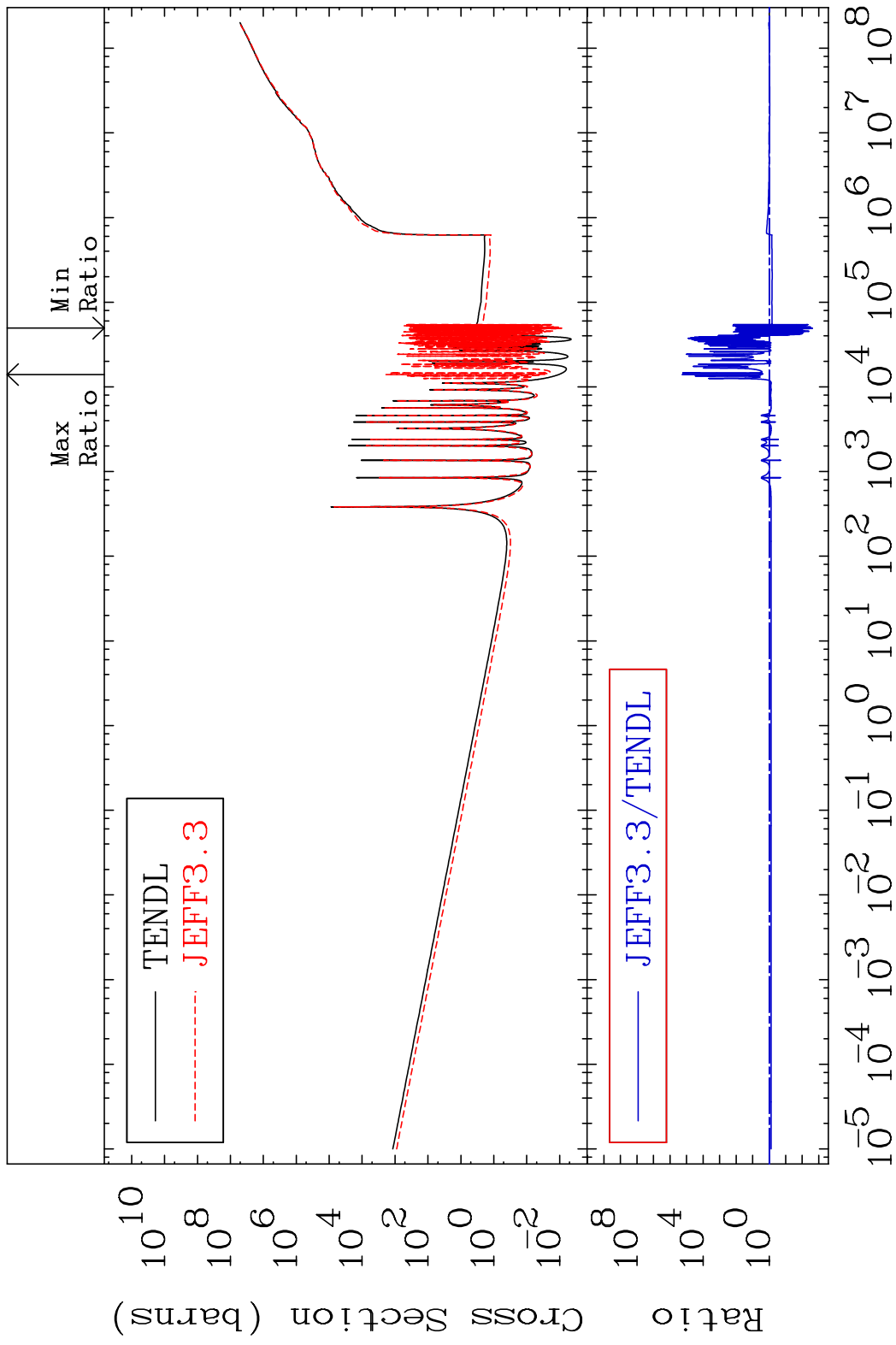
MAT 3437

Kerma elastic
Cross Section

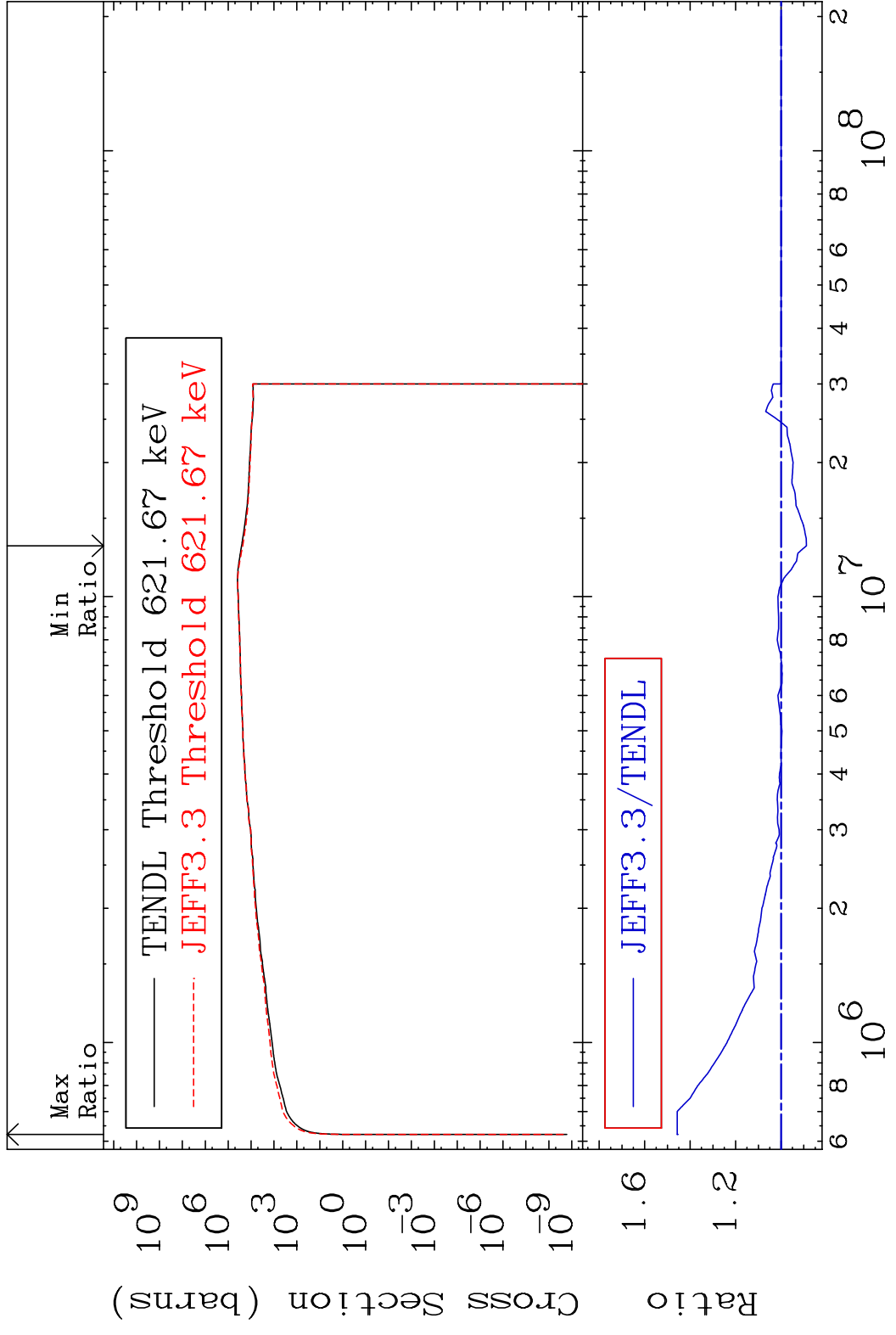
34-Se-78
-99.87 To 9999. %



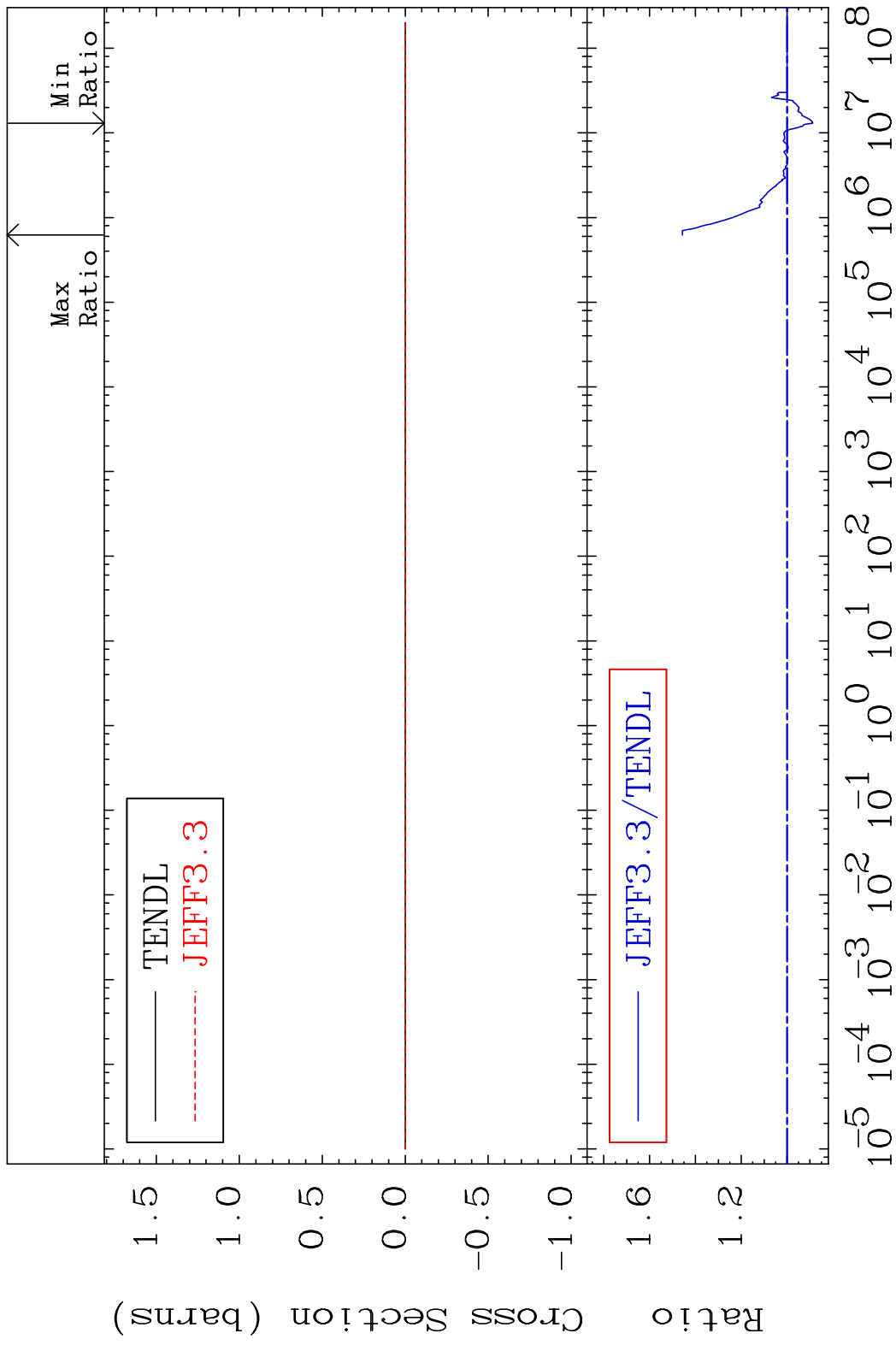
MAT 3437 Kerma non-elastic (all but mt2) 34-Se-78
 Cross Section -99.76 To 9999. %



MAT 3437 Kerma inelastic (mt51-91) 34-Se-78
 Cross Section -11.13 To 45.71 %

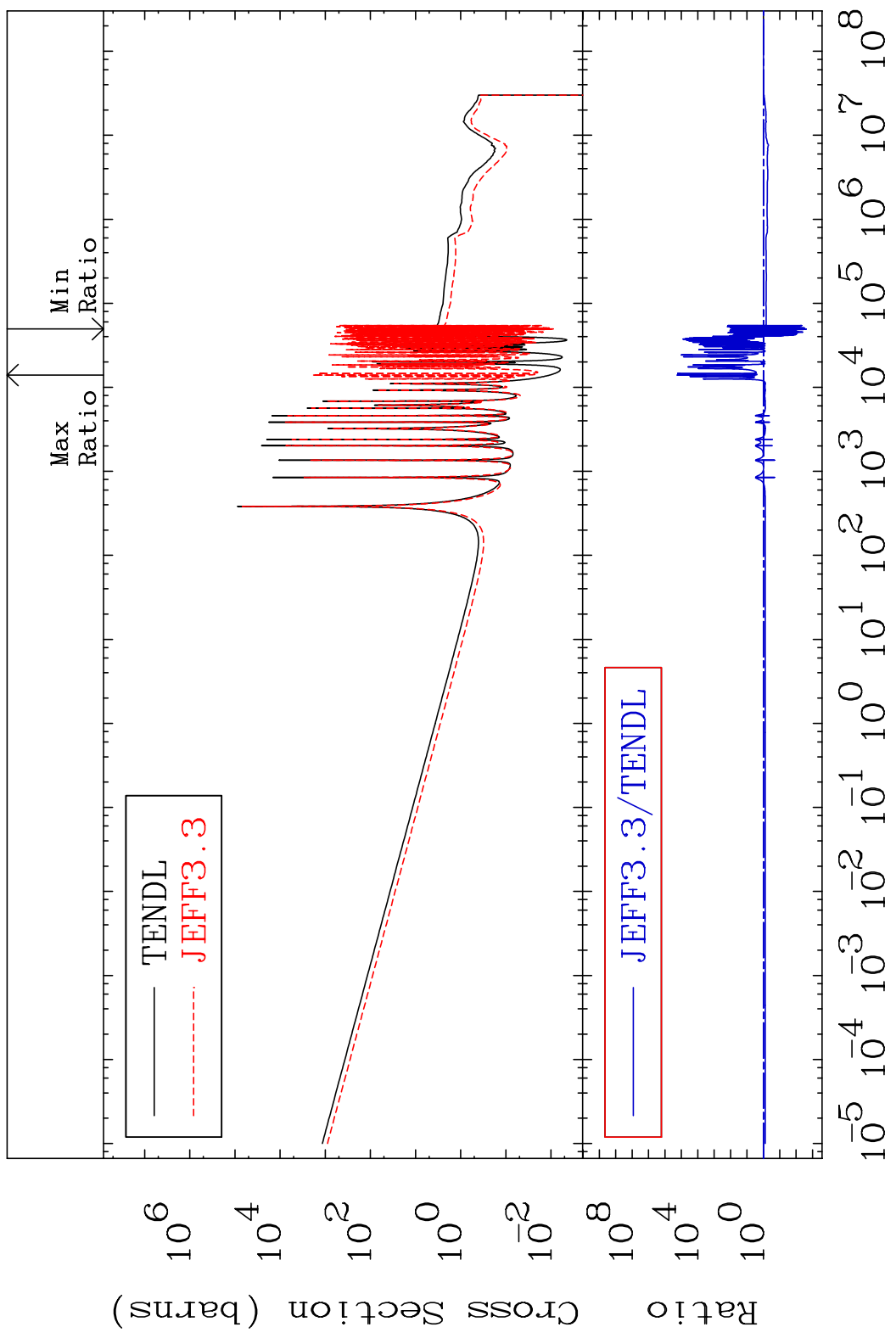


MAT 3437 Kerma fission (mt18 or mt19-20-21-38) 34-Se-78
 Cross Section -11.13 To 45.71 %



MAT 3437

Kerma capture (mt102) 34-Se-78
Cross Section -99.76 To 9999. %

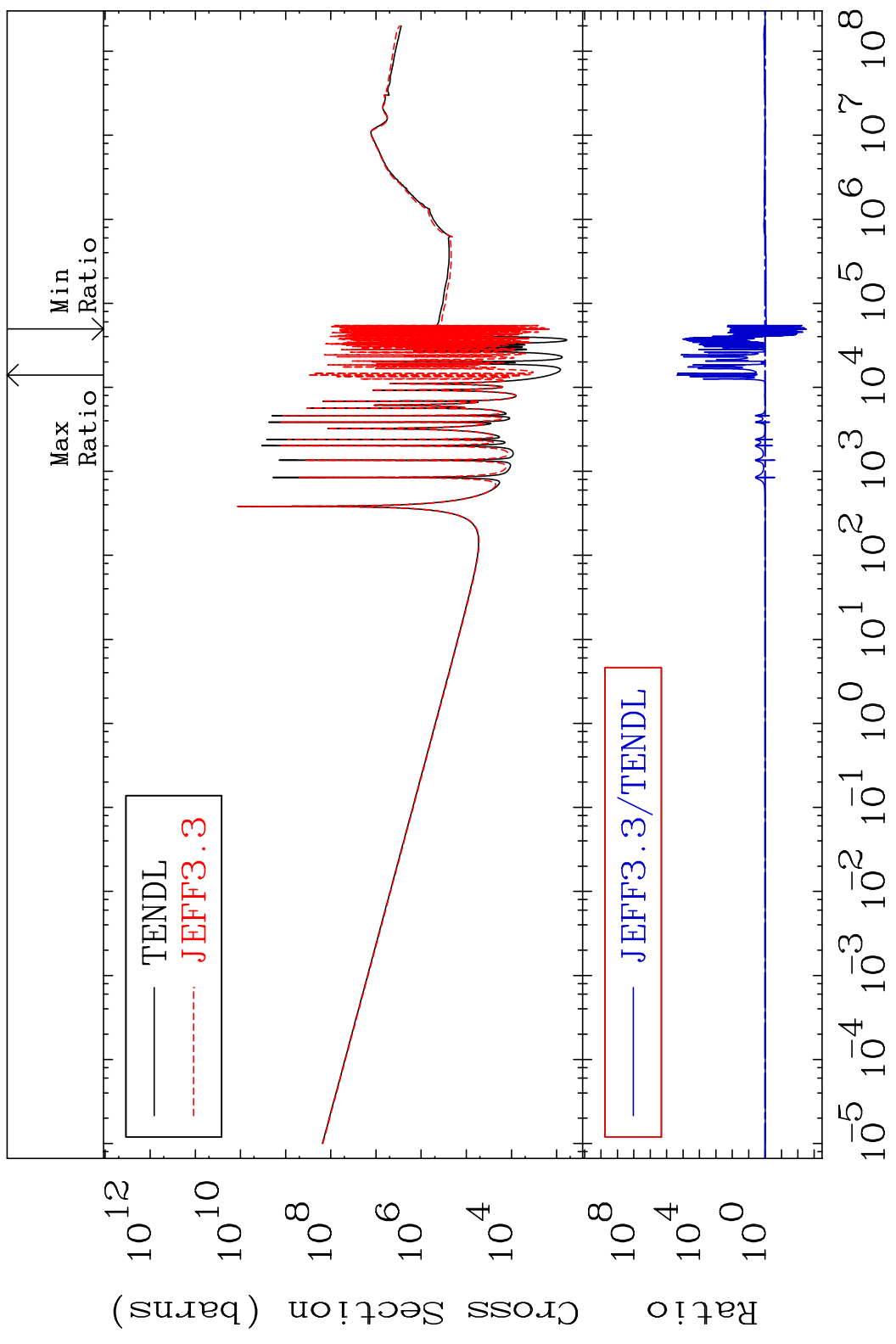


72

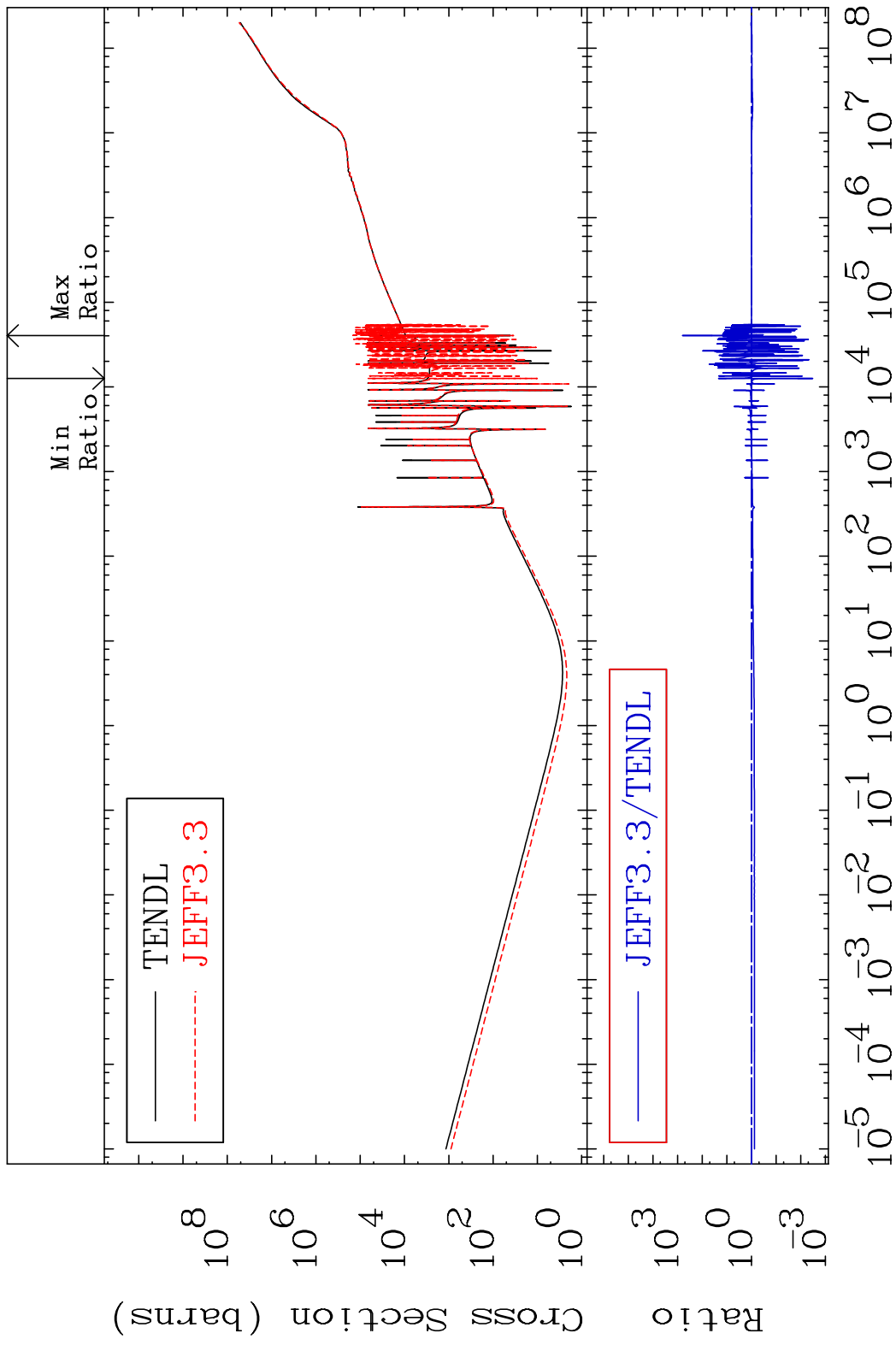
Incident Energy (eV) 34-Se-78

MAT 3437

Total photon (eV-barns) 34-Se-78
Cross Section -99.70 To 9999. %



MAT 3437 Total kinematic kerma (high limit) 34-Se-78
 Cross Section -99.67 To 9999. %



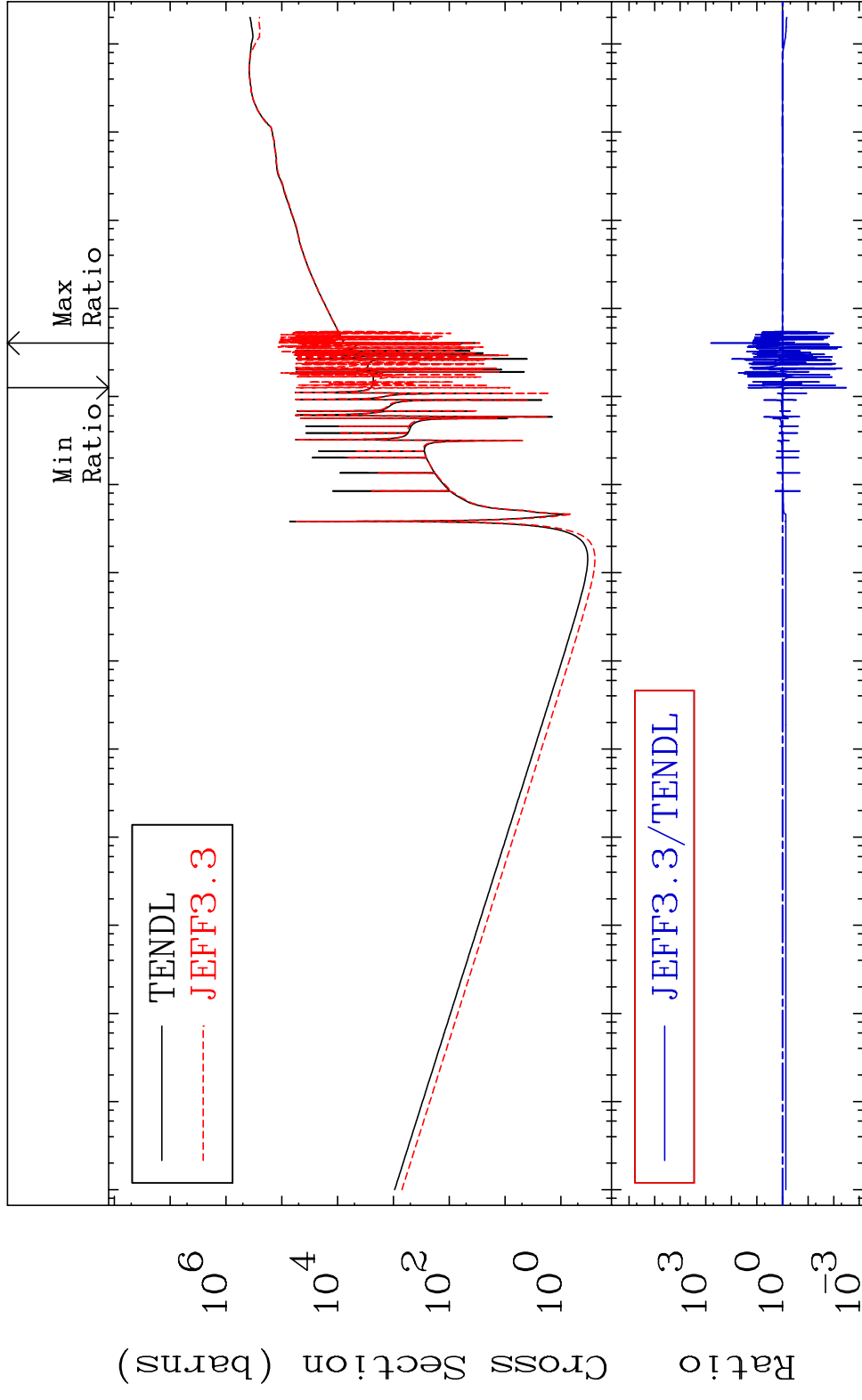
74 Incident Energy (eV) 34-Se-78

MAT 3437

Dpa total (eV-barns)

34-Se-78

Cross Section -99.68 To 9999. %



75

Incident Energy (eV)

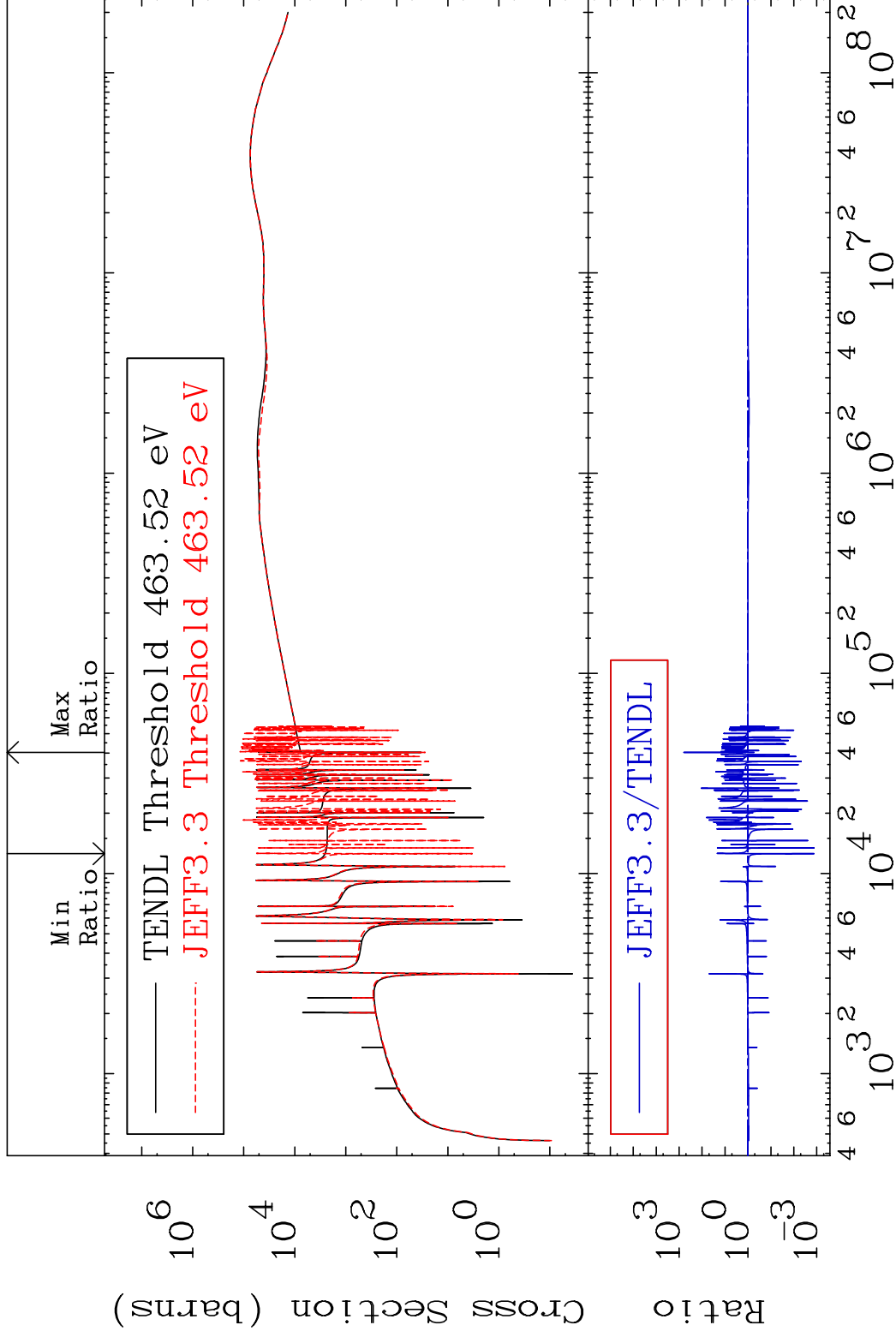
34-Se-78

MAT 3437

Dpa elastic (mt2)

34-Se-78

Cross Section -99.87 To 9999. %

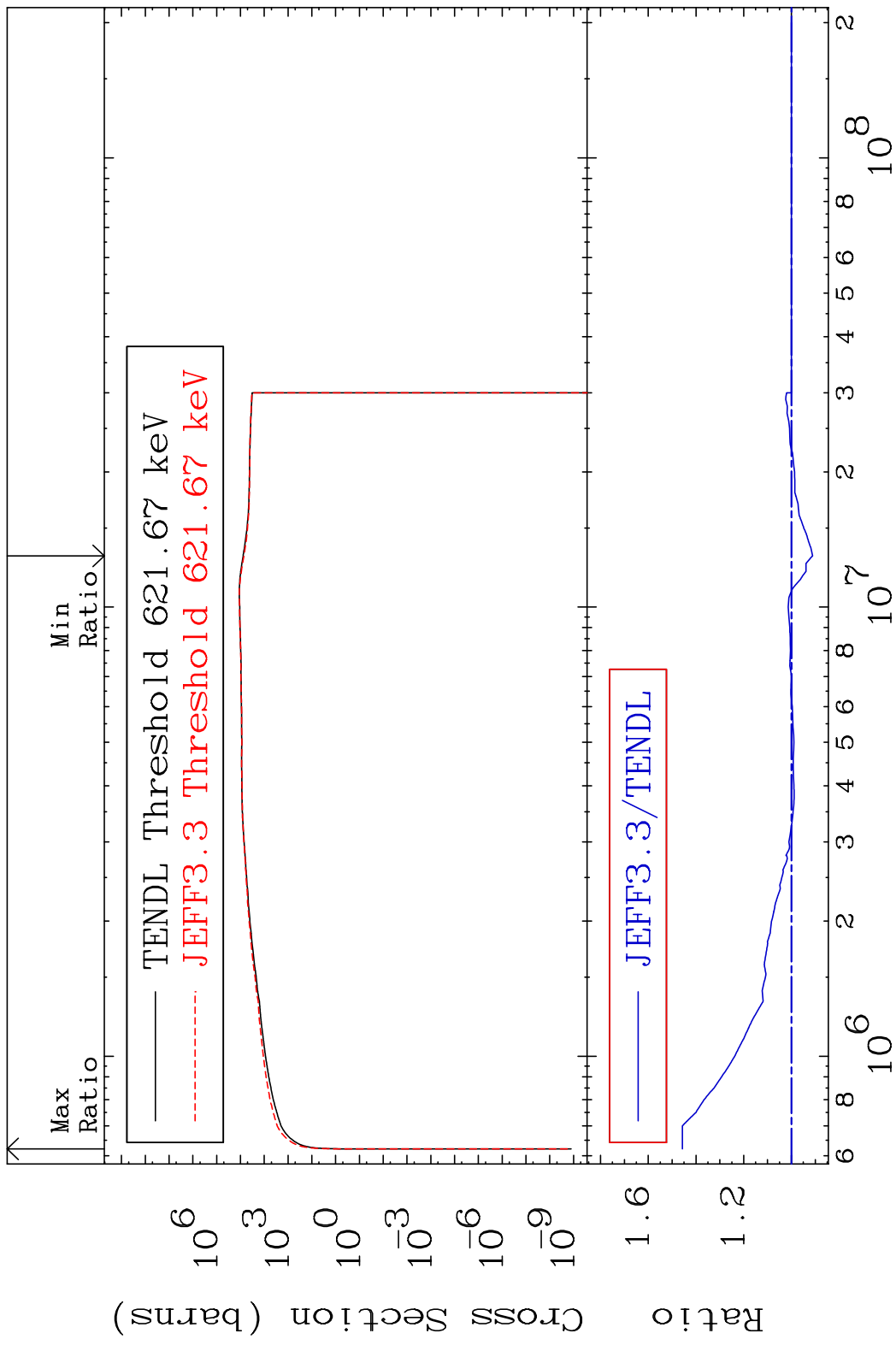


76

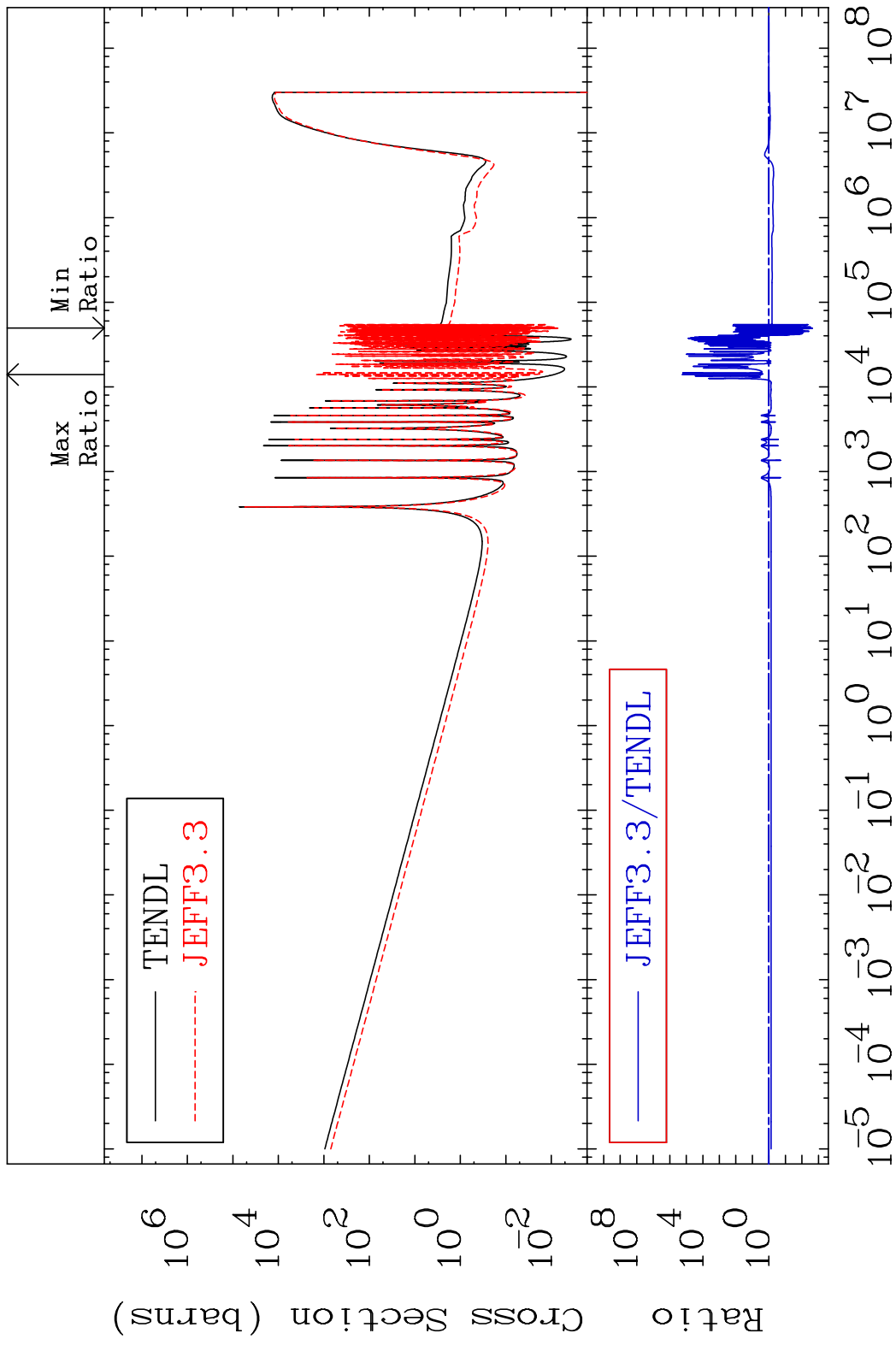
Incident Energy (eV)

34-Se-78

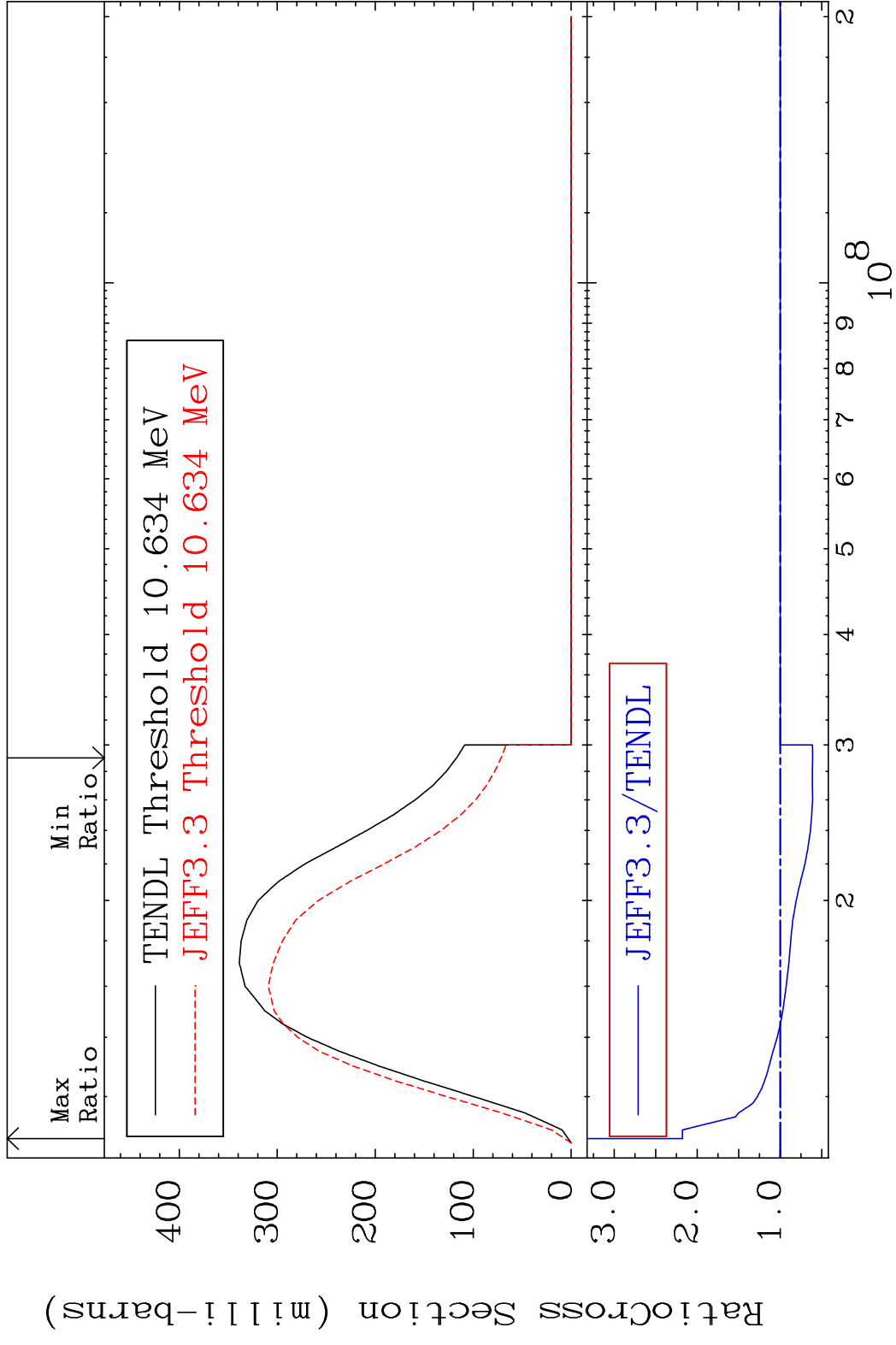
MAT 3437 Dpa inelastic (mt51-91) 34-Se-78
 Cross Section -8.858 To 45.71 %



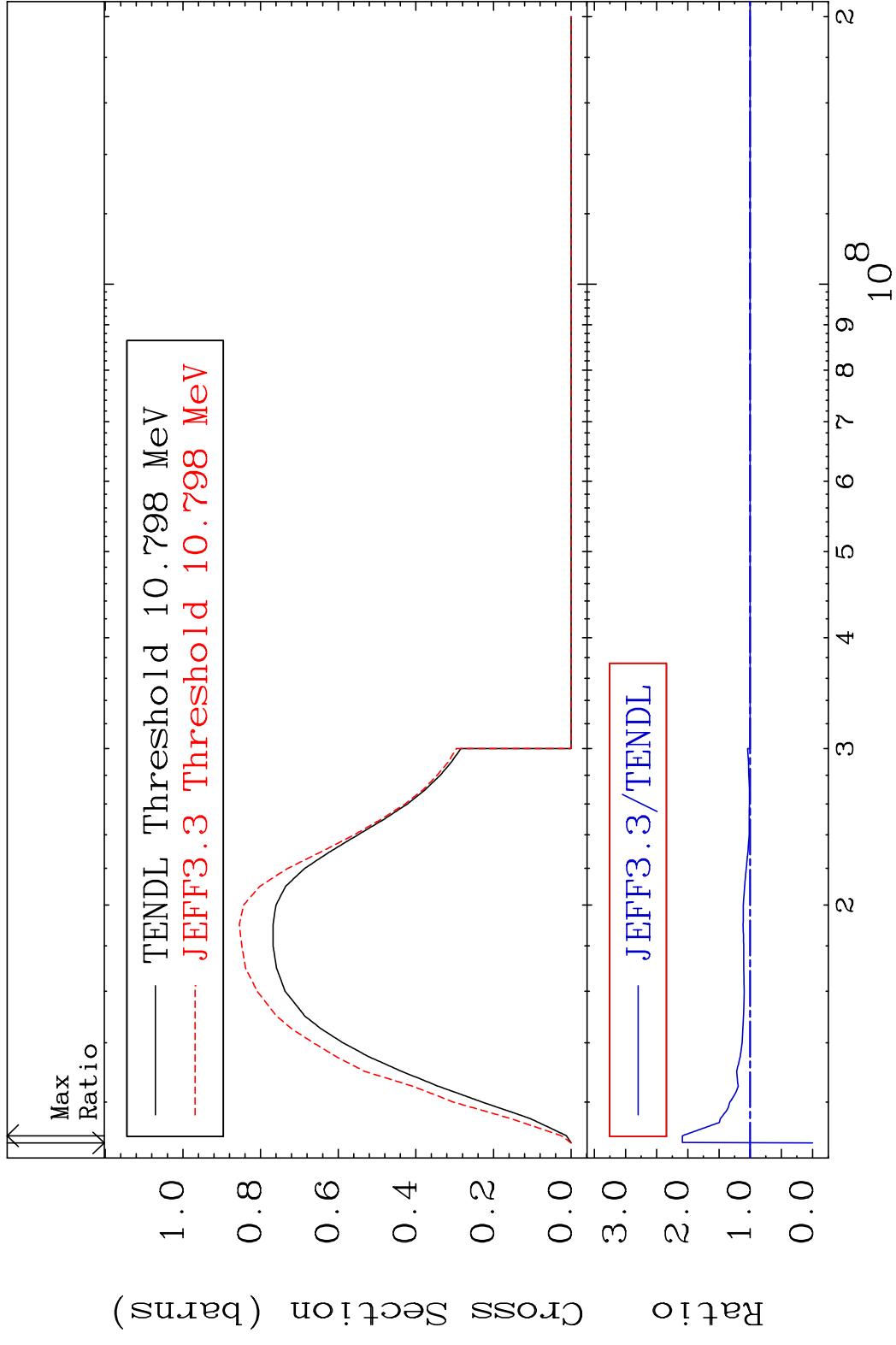
MAT 3437 Dpa disappearance (mt102 -120) 34-Se-78
 Cross Section -99.77 To 9999. %



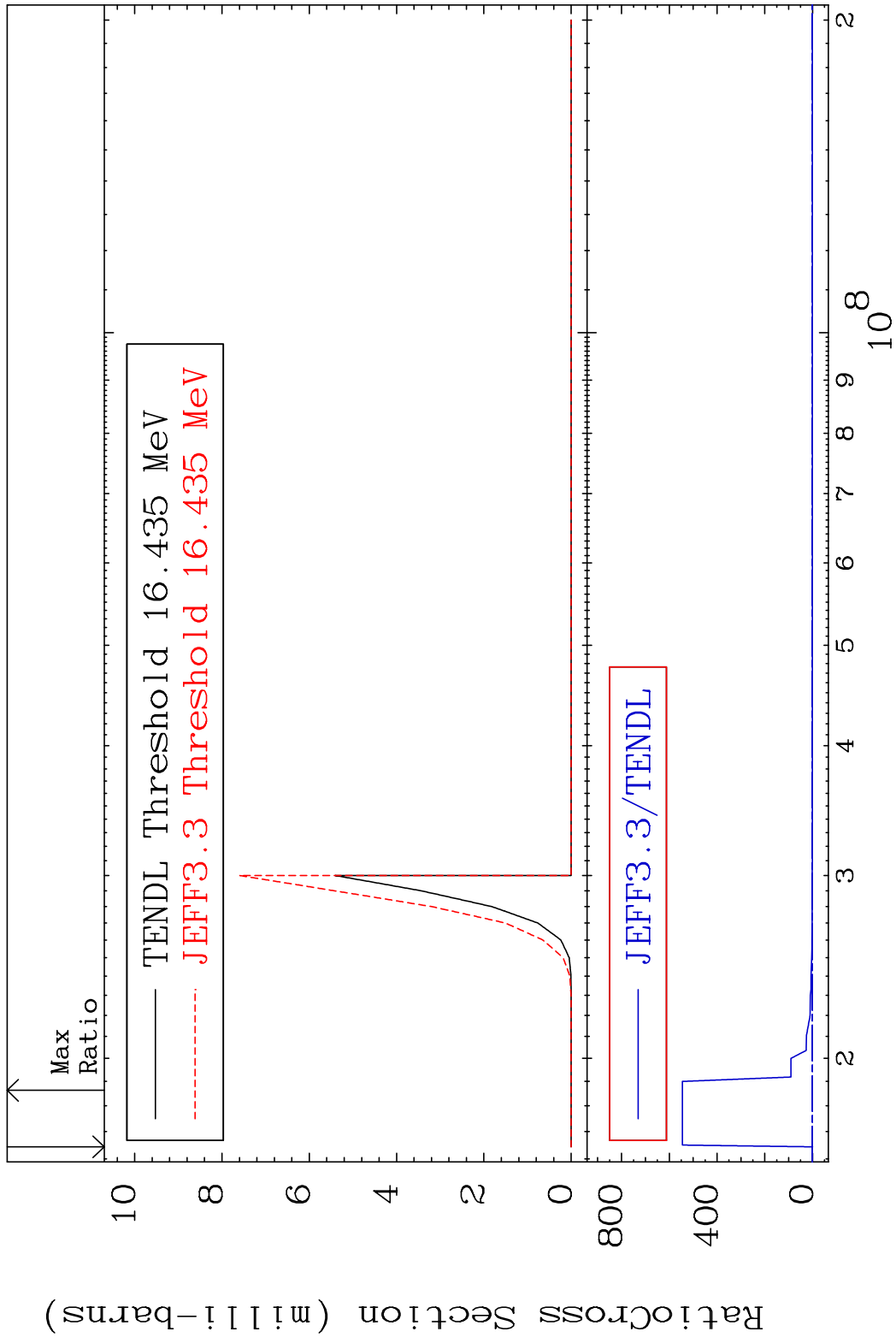
MAT 3437 (n,2n):34-Se-77g 34-Se-78
 Radionuclide Production Cross Section 117.9 %



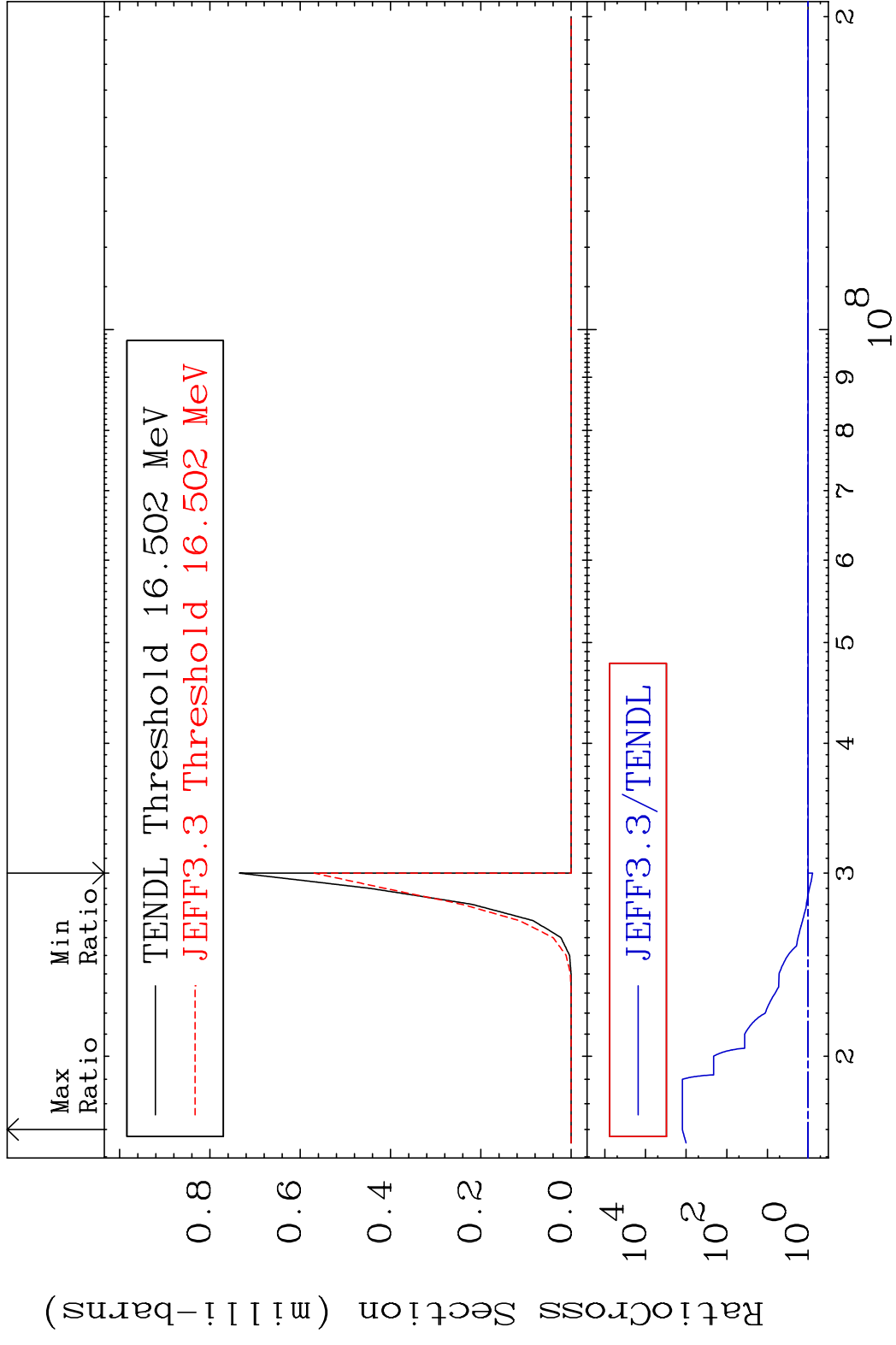
MAT 3437 (n,2n):34-Se-77m1 34-Se-78
 Radionuclide Production Cross Section 100.0%
 Radioactive Decay 108.8 %

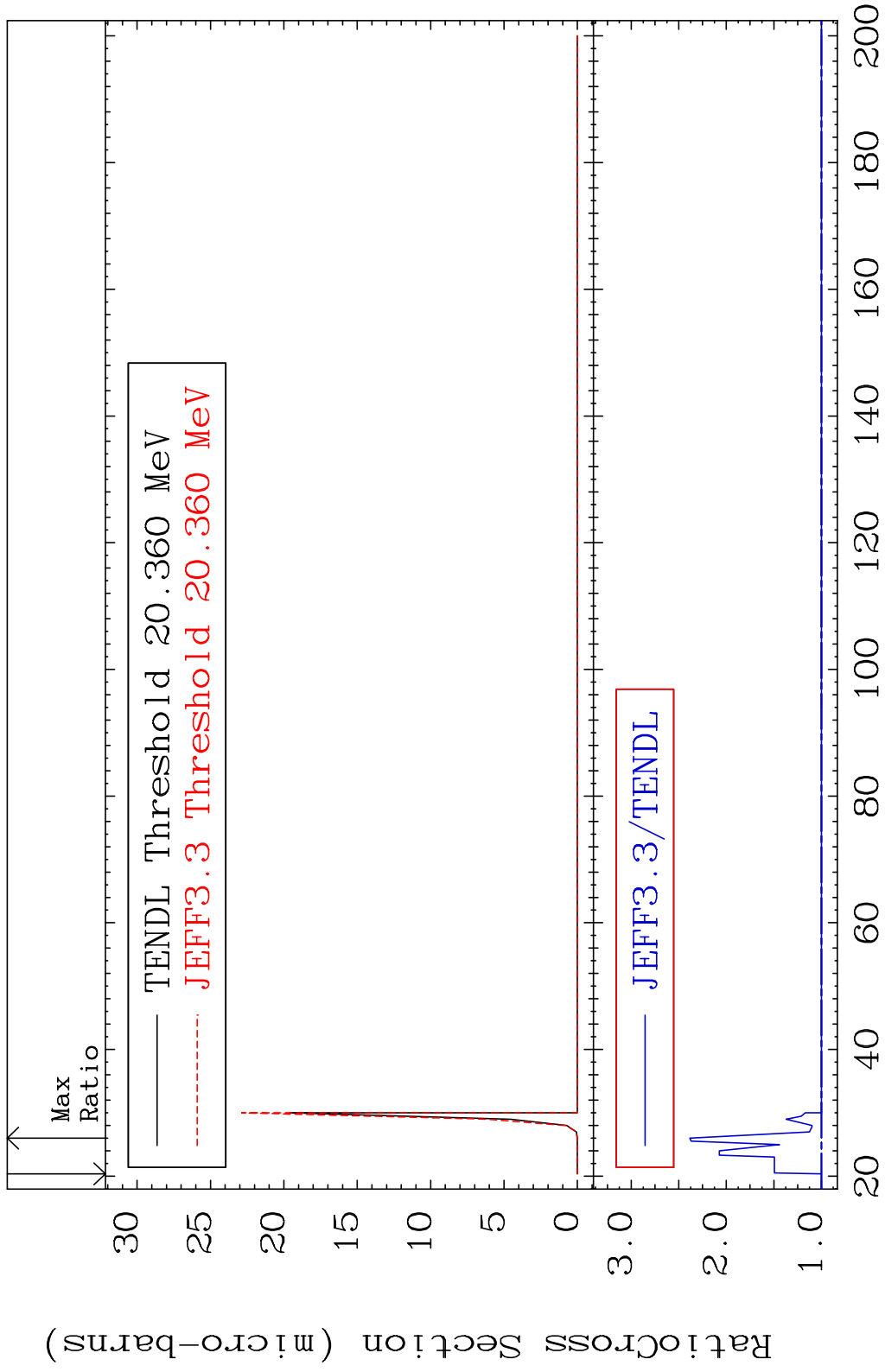


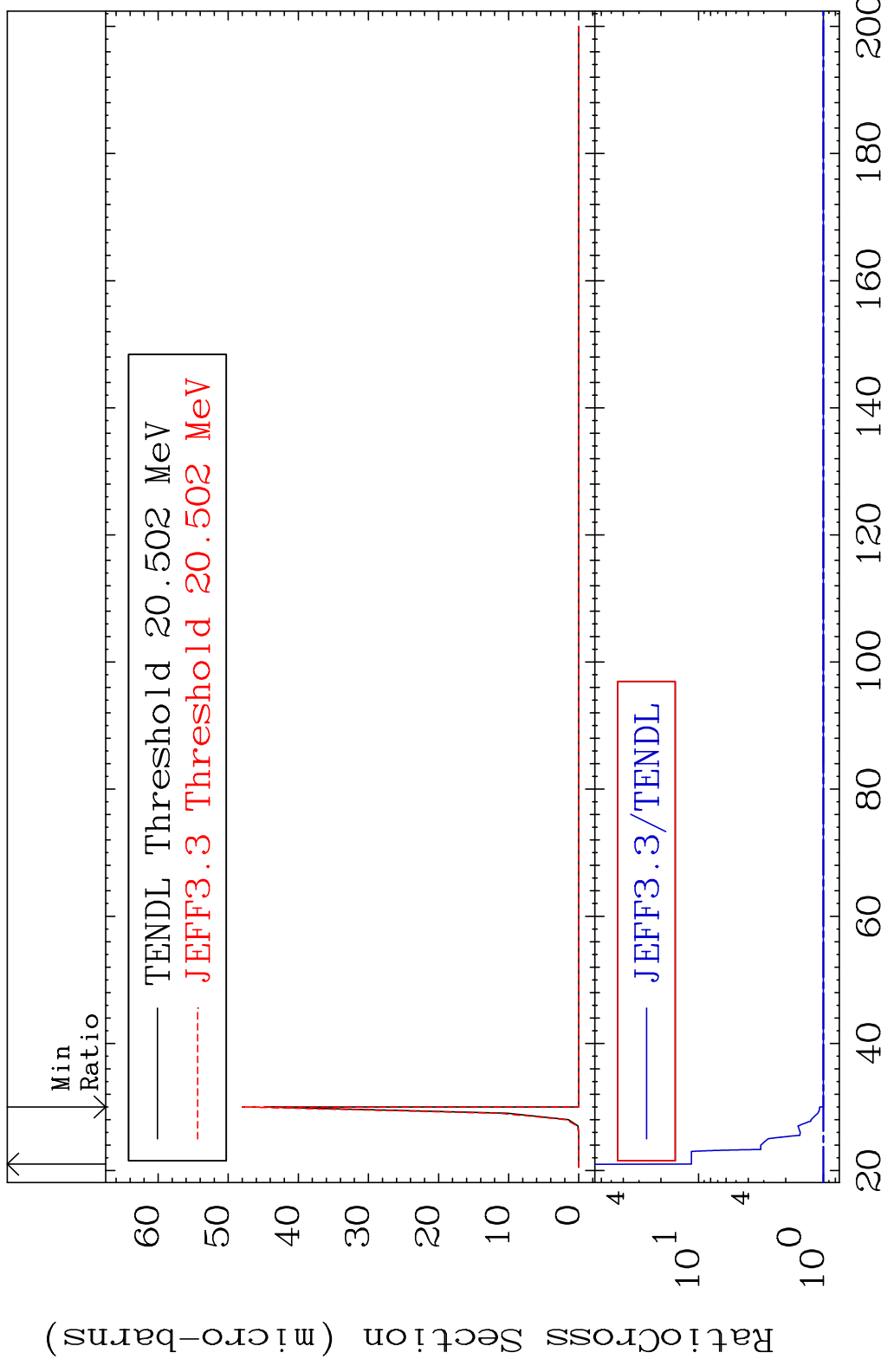
MAT 3437 (n,2n) α :32-Ge-73g 34-Se-78
 Radionuclide Production Cross Section (%)

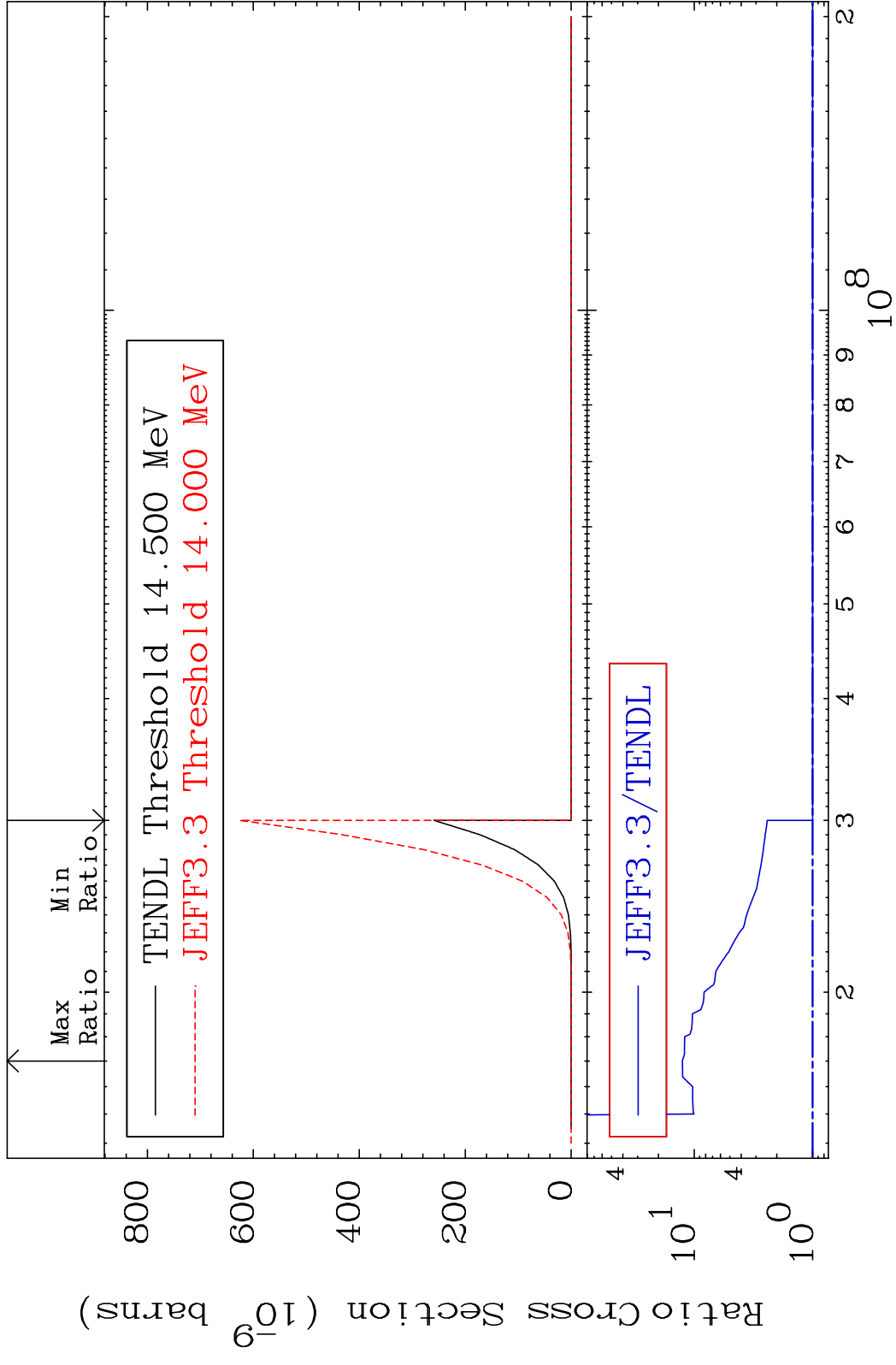


MAT 3437 (n,2n) α :32-Ge-73m2 34-Se-78
 Radionuclide Production Cross Section Ratio

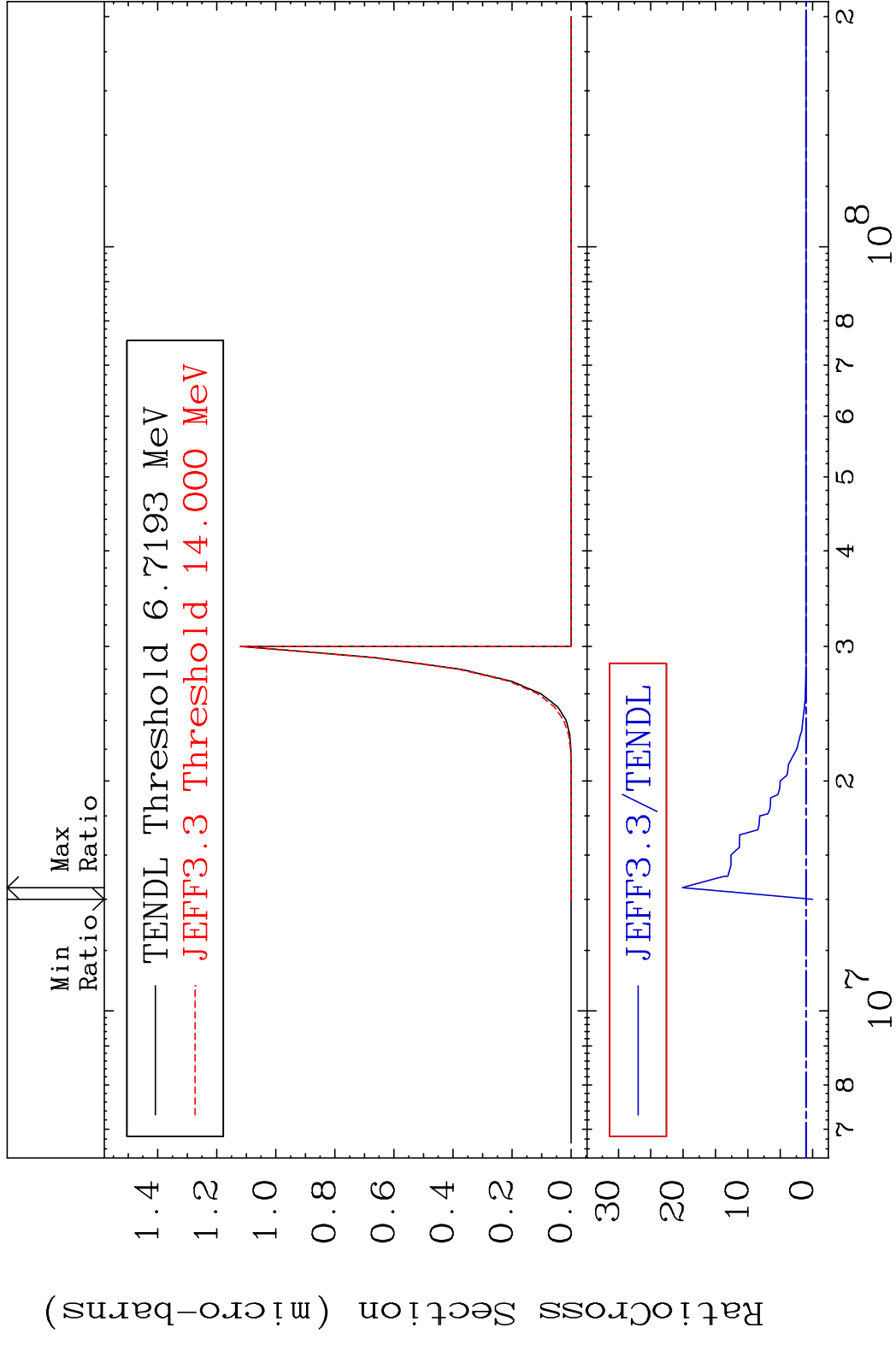




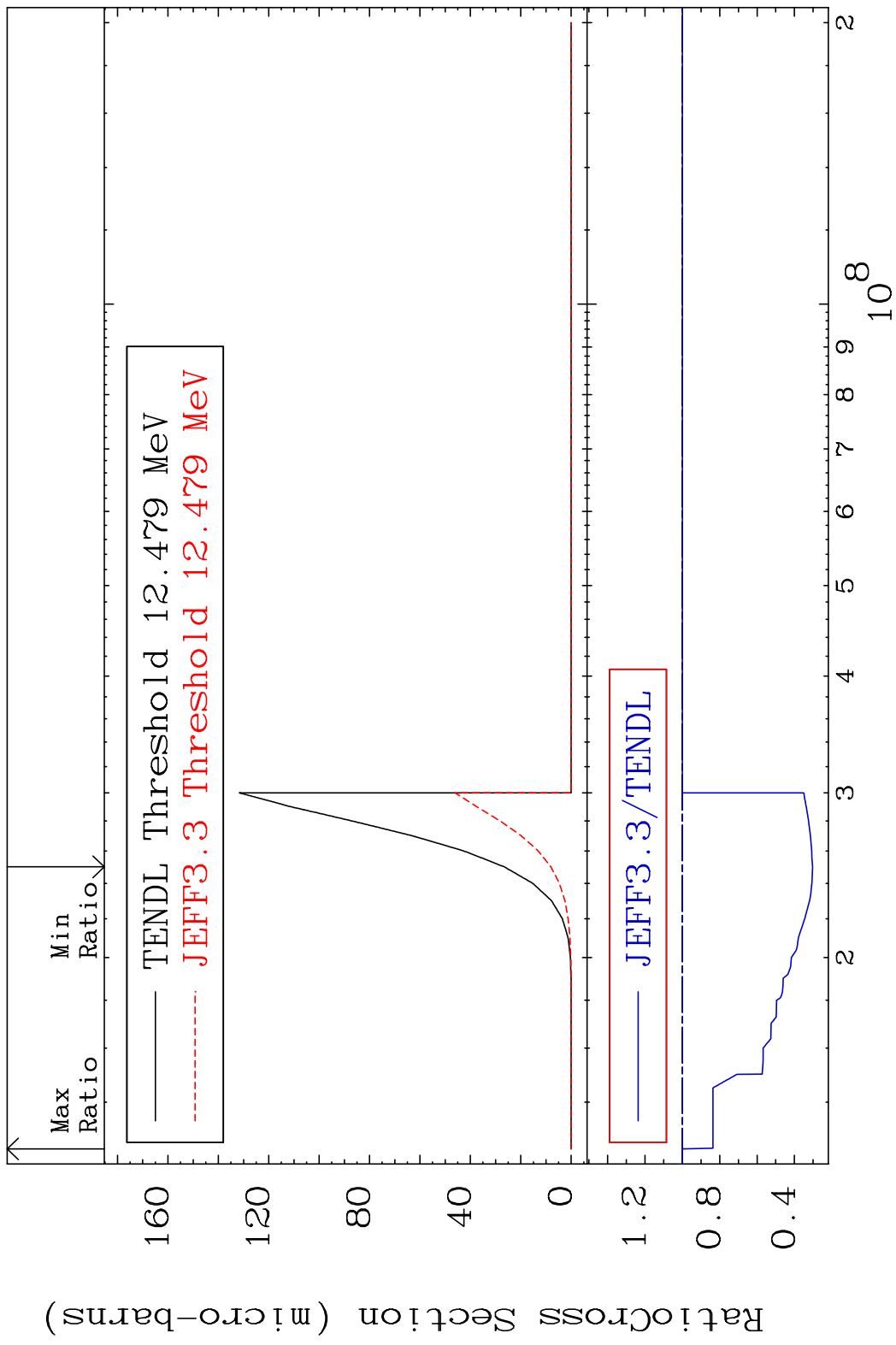




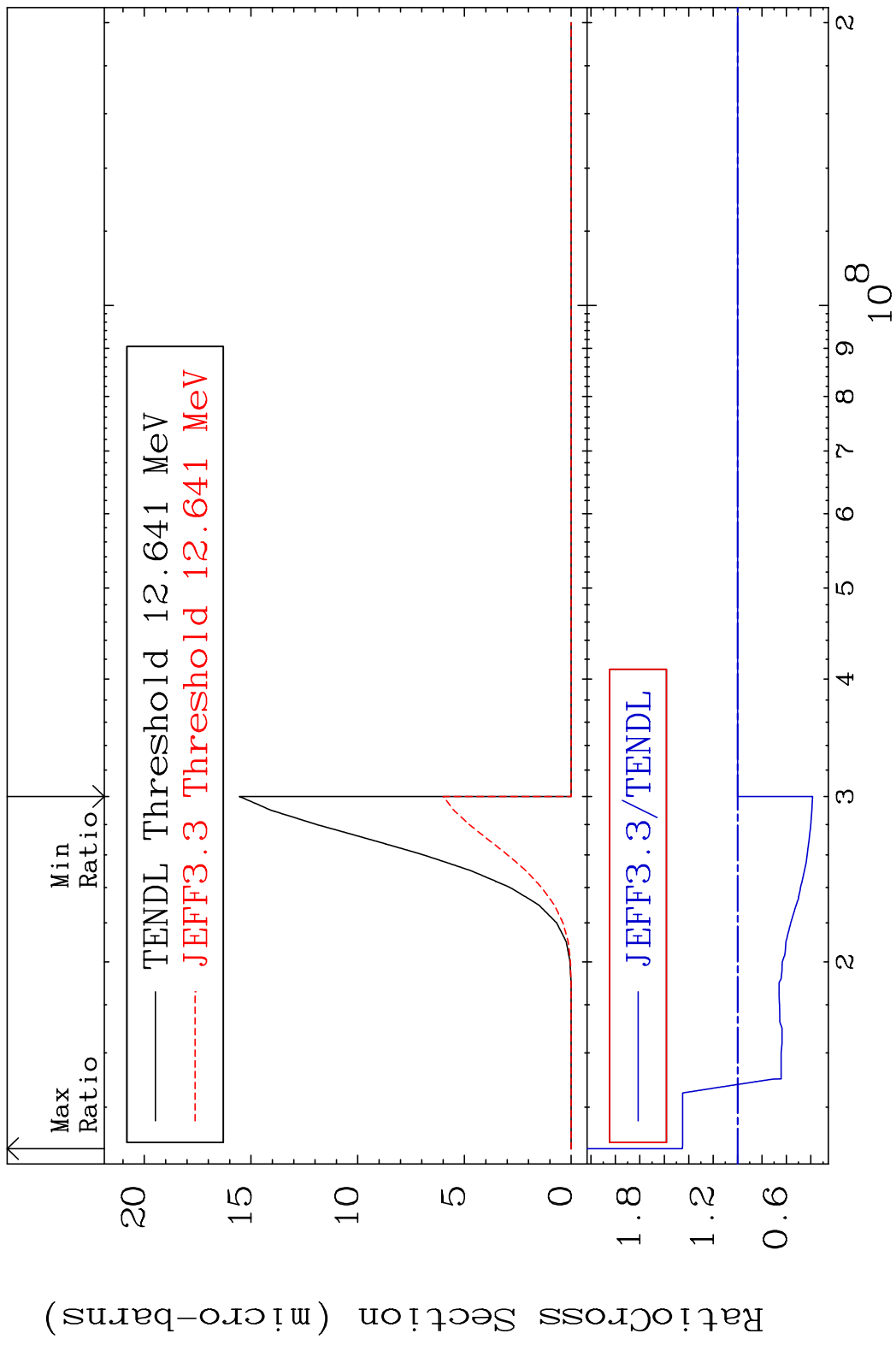
MAT 3437 (n,2α):30-Zn-71m1 34-Se-78
 Radionuclide Production Cross Section 1912. %



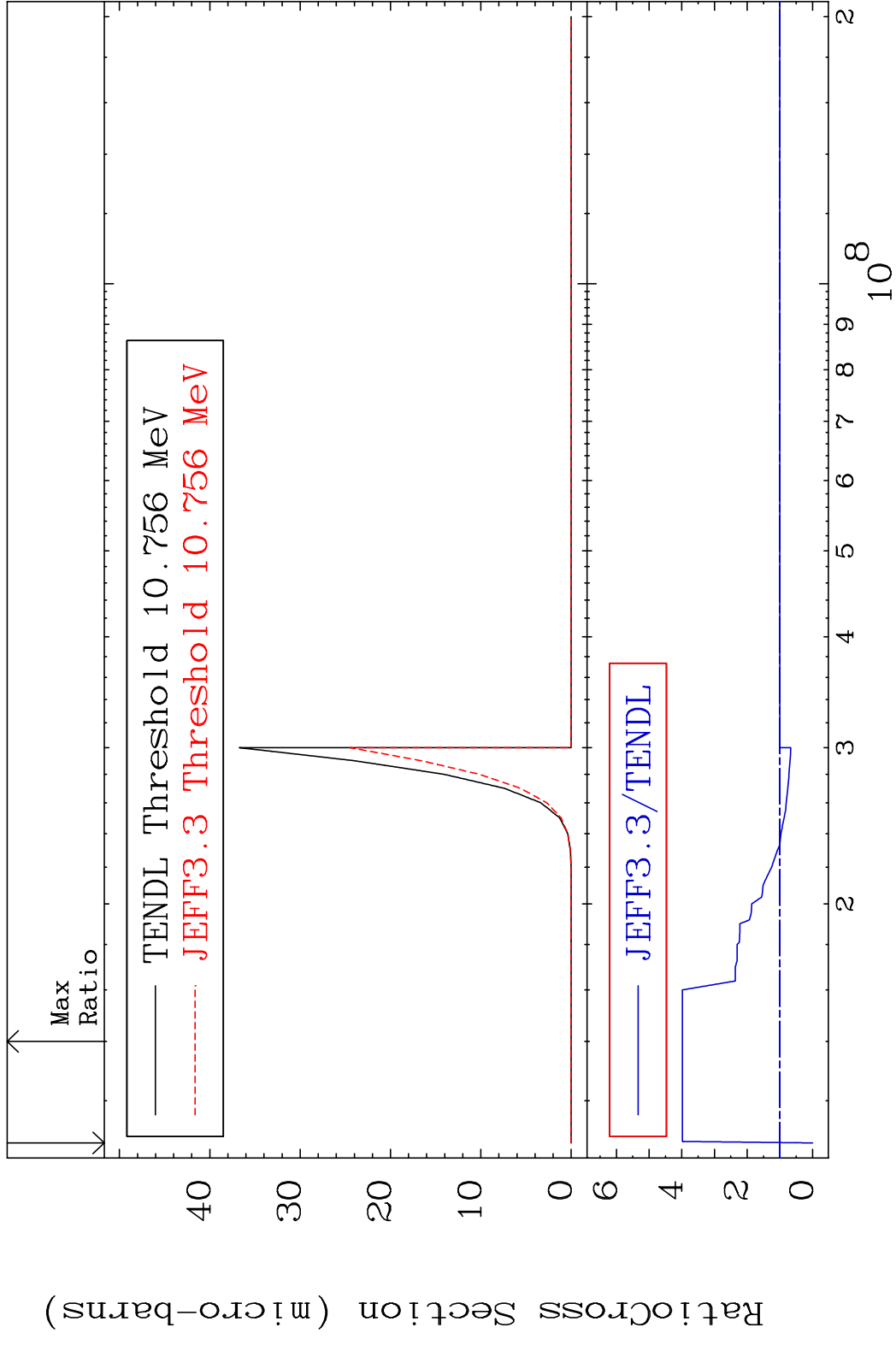
MAT 3437 (n,2p):32-Ge-77g 34-Se-78
 Radionuclide Production Cross Section 0.000 %

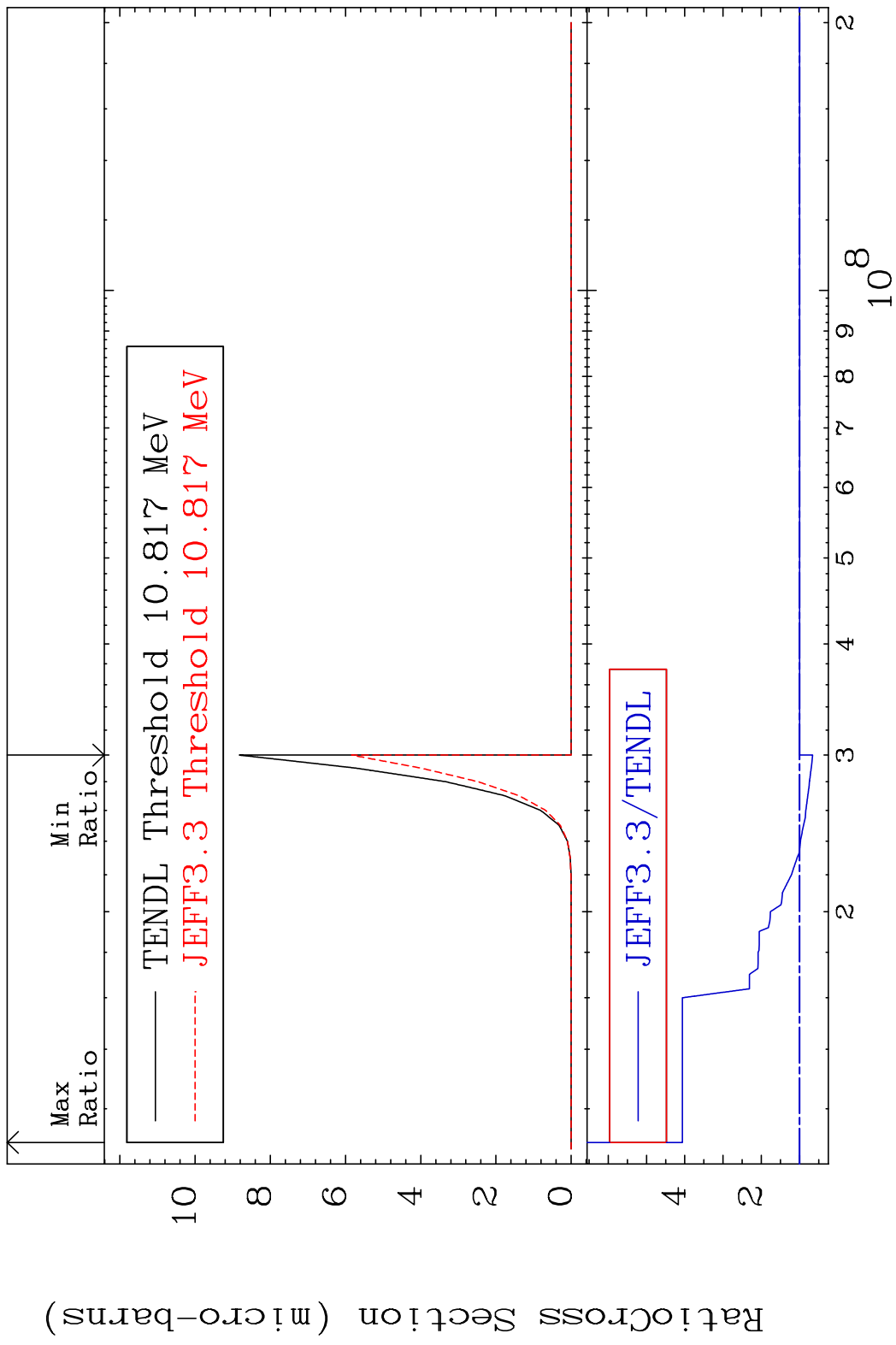


MAT 3437 (n,2p):32-Ge-77m1 34-Se-78
 Radionuclide Production Cross Section 45.19 %



MAT 3437 (n, p) α :31-Ga-74g 34-Se-78
 Radionuclide Production Cross Section 180.0 dth 298.3 %





MAT 3437 (n, p) t:32-Ge-75g 34-Se-78
 Radionuclide Production Cross Section 270.3 %

