

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

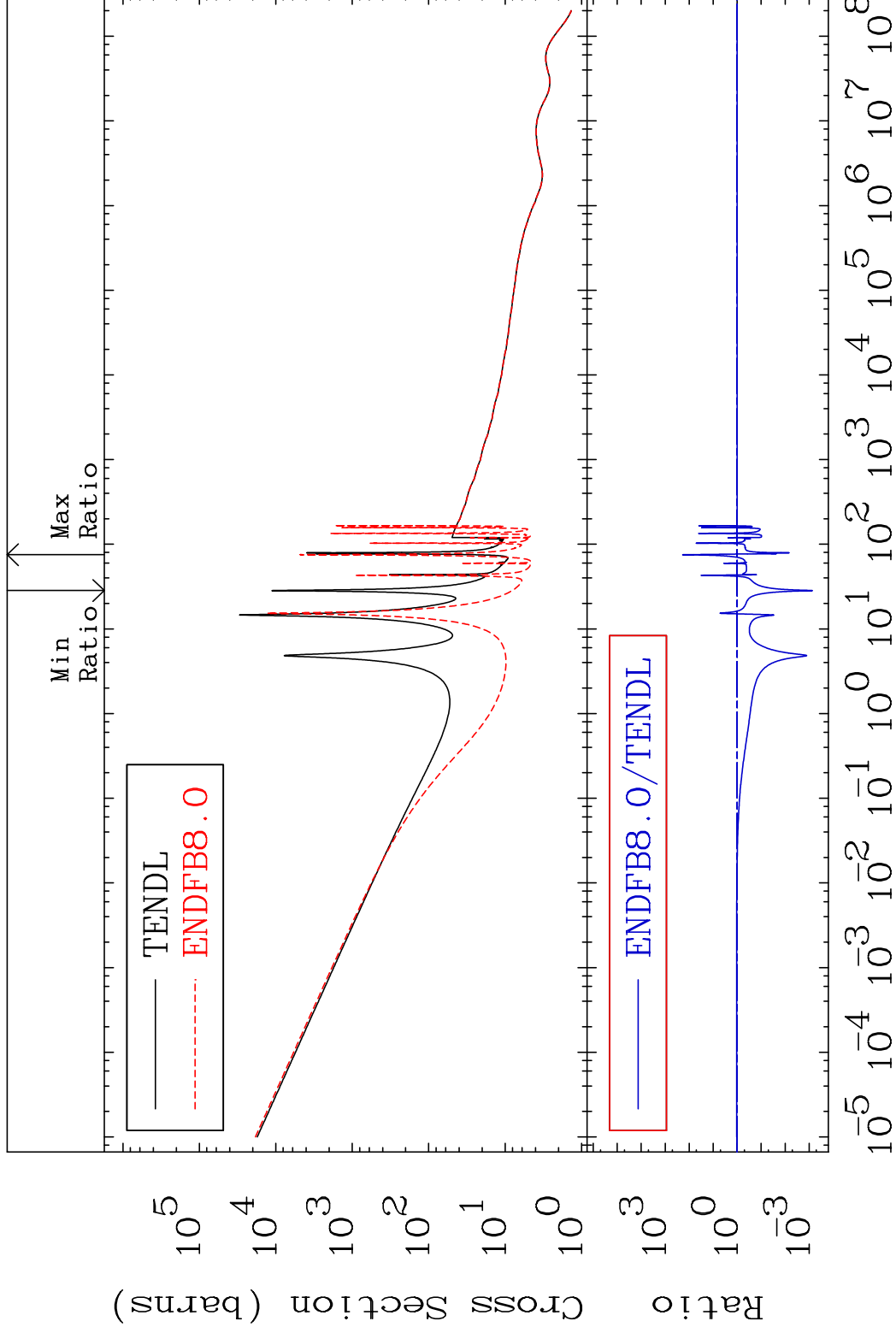
Press Mouse Button to Start

MAT 3428

Total

34-Se-75

Cross Section -99.93 To 9999. %



1

Incident Energy (eV)

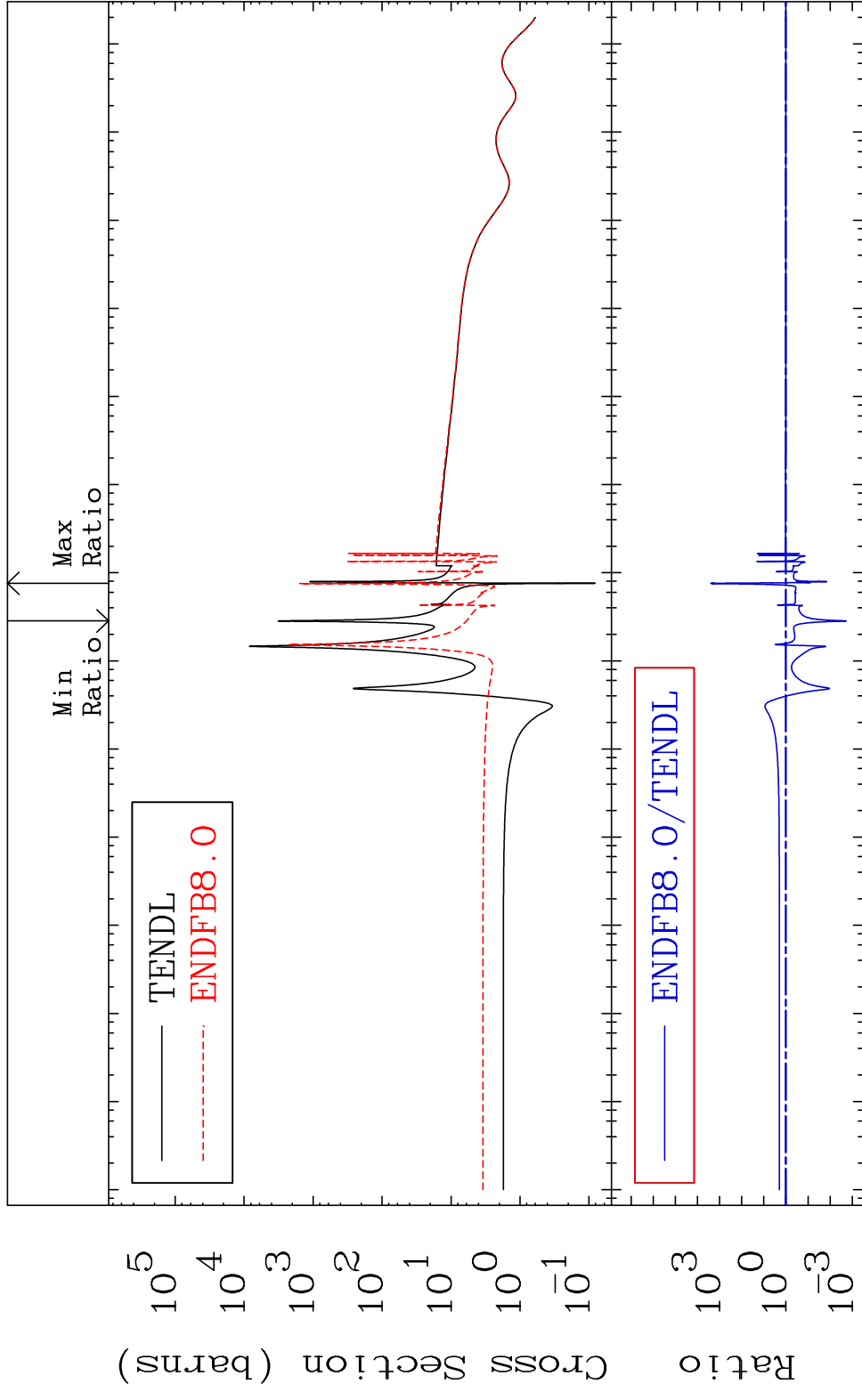
34-Se-75

MAT 3428

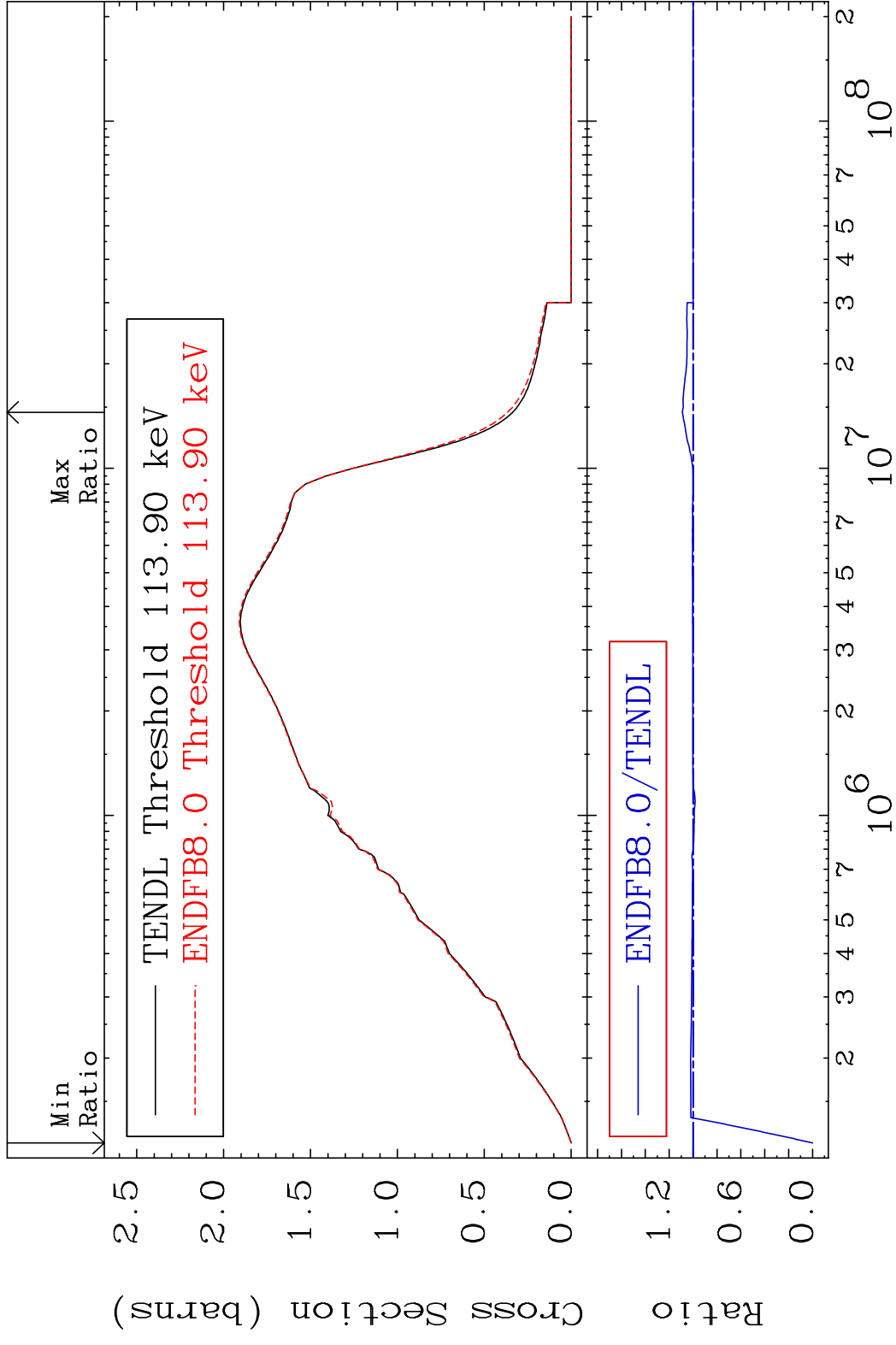
Elastic

34-Se-75

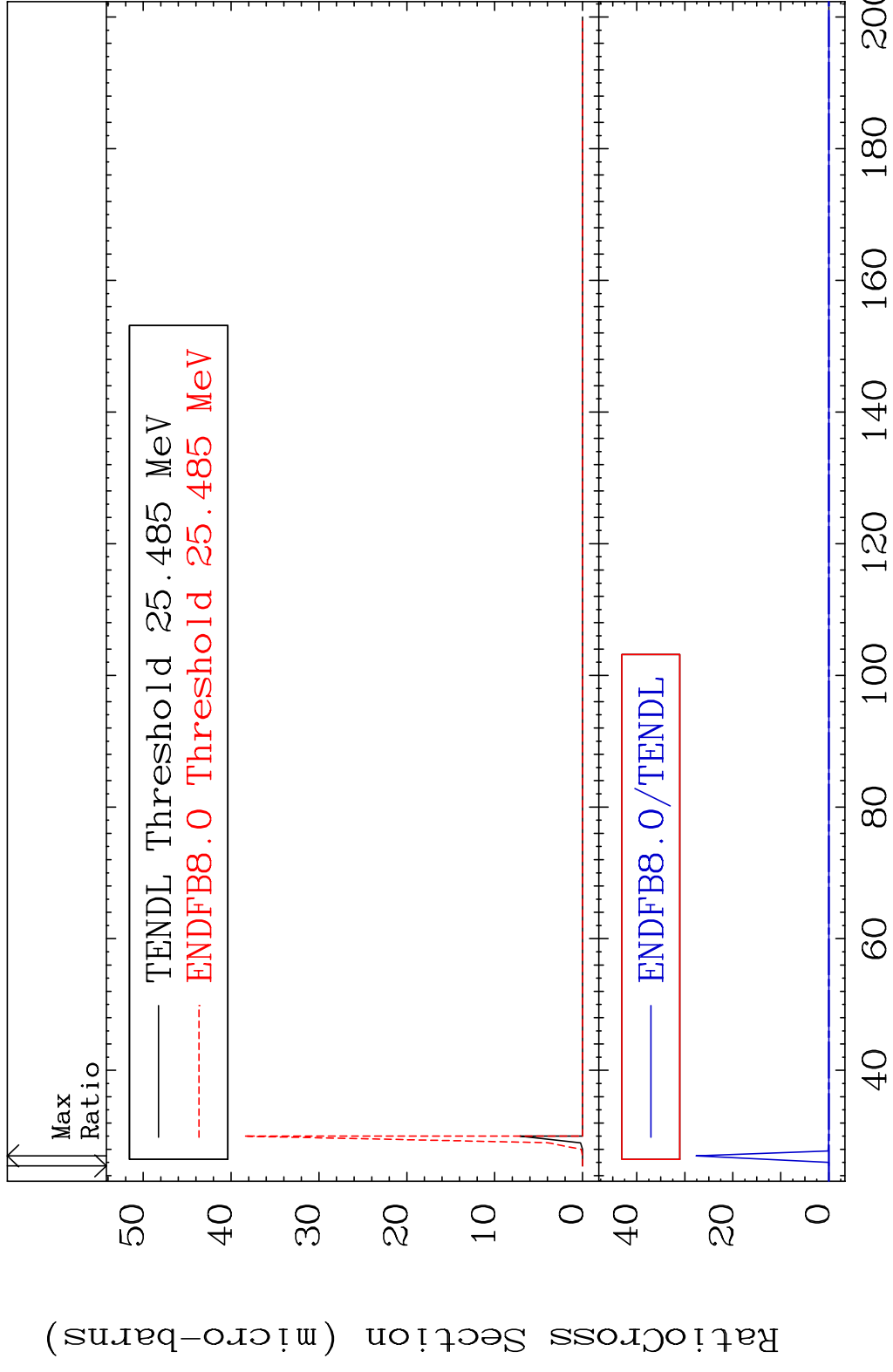
Cross Section -99.81 To 9999. %



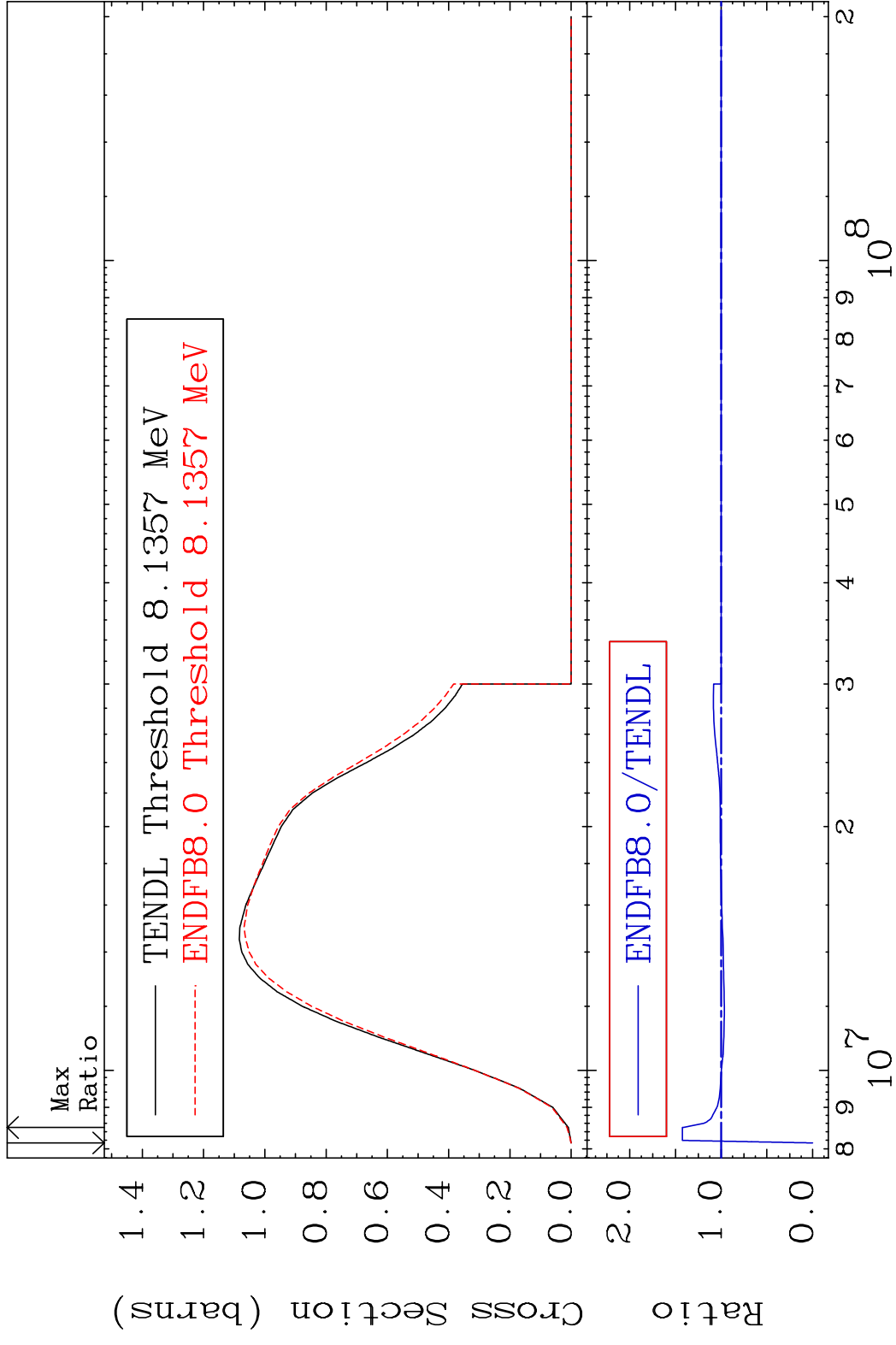
MAT 3428 Inelastic Cross Section -100.0 To 8.992 % 34-Se-75



MAT 3428 (n,2n) d 34-Se-75
 Cross Section -100.0 To 9999. %



MAT 3428 (n,2n) 34-Se-75
 Cross Section -100.0 To 42.49 %



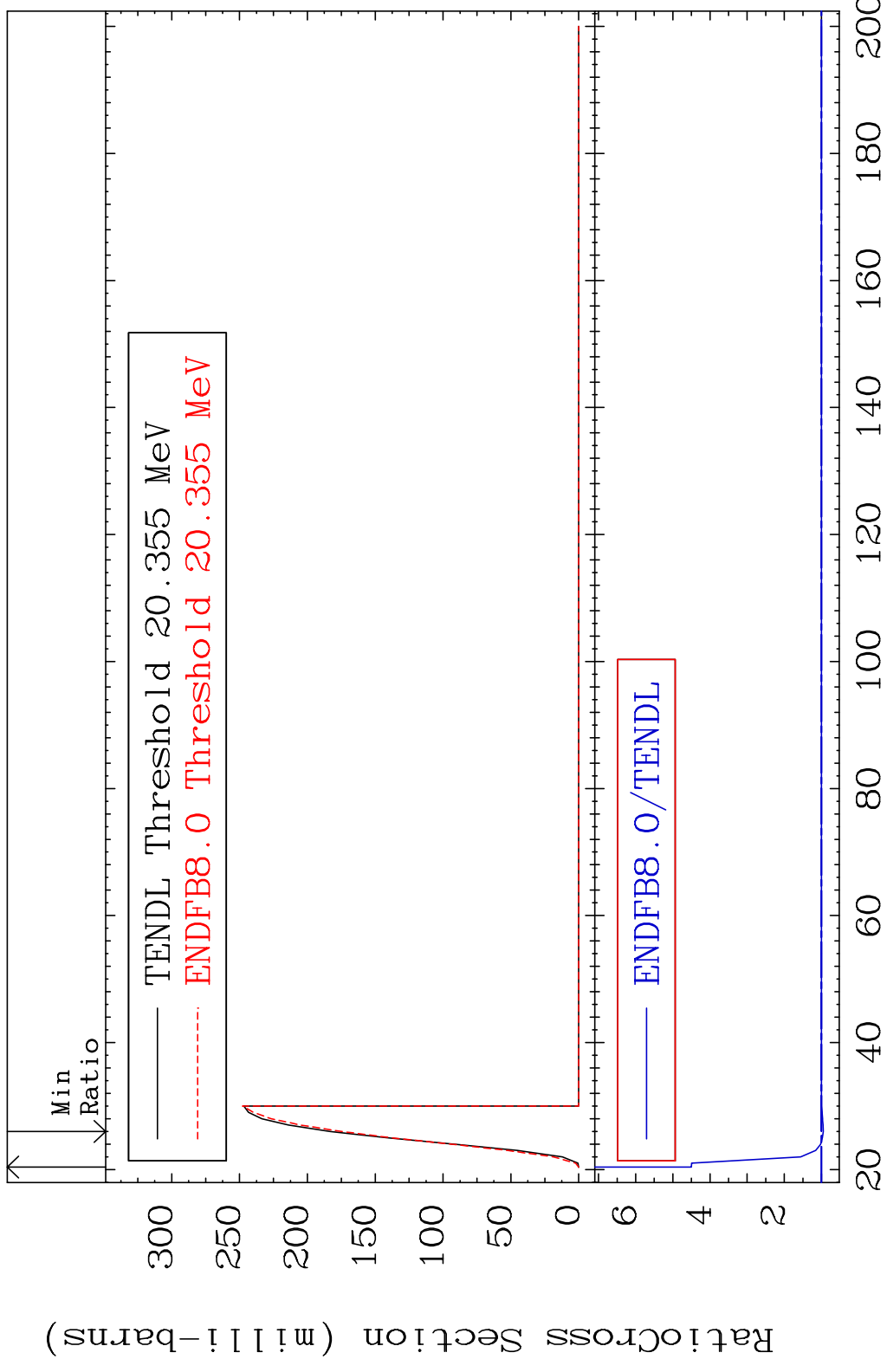
5 Incident Energy (eV) 34-Se-75

MAT 3428

(n,3n)

34-Se-75

Cross Section -4.756 To 350.3 %

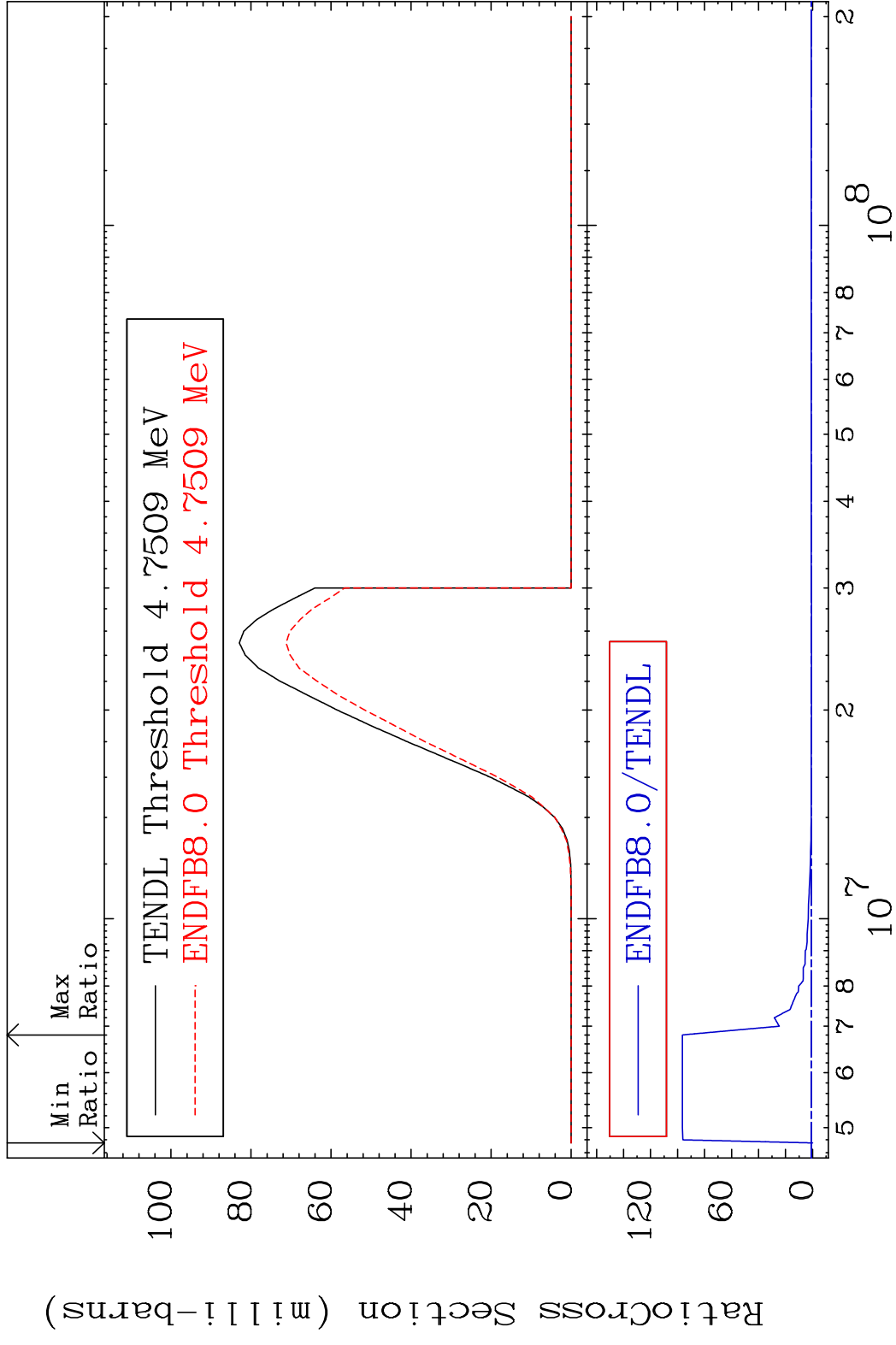


MAT 3428

(n, n') α

34-Se-75

Cross Section -100.0 To 9545. %

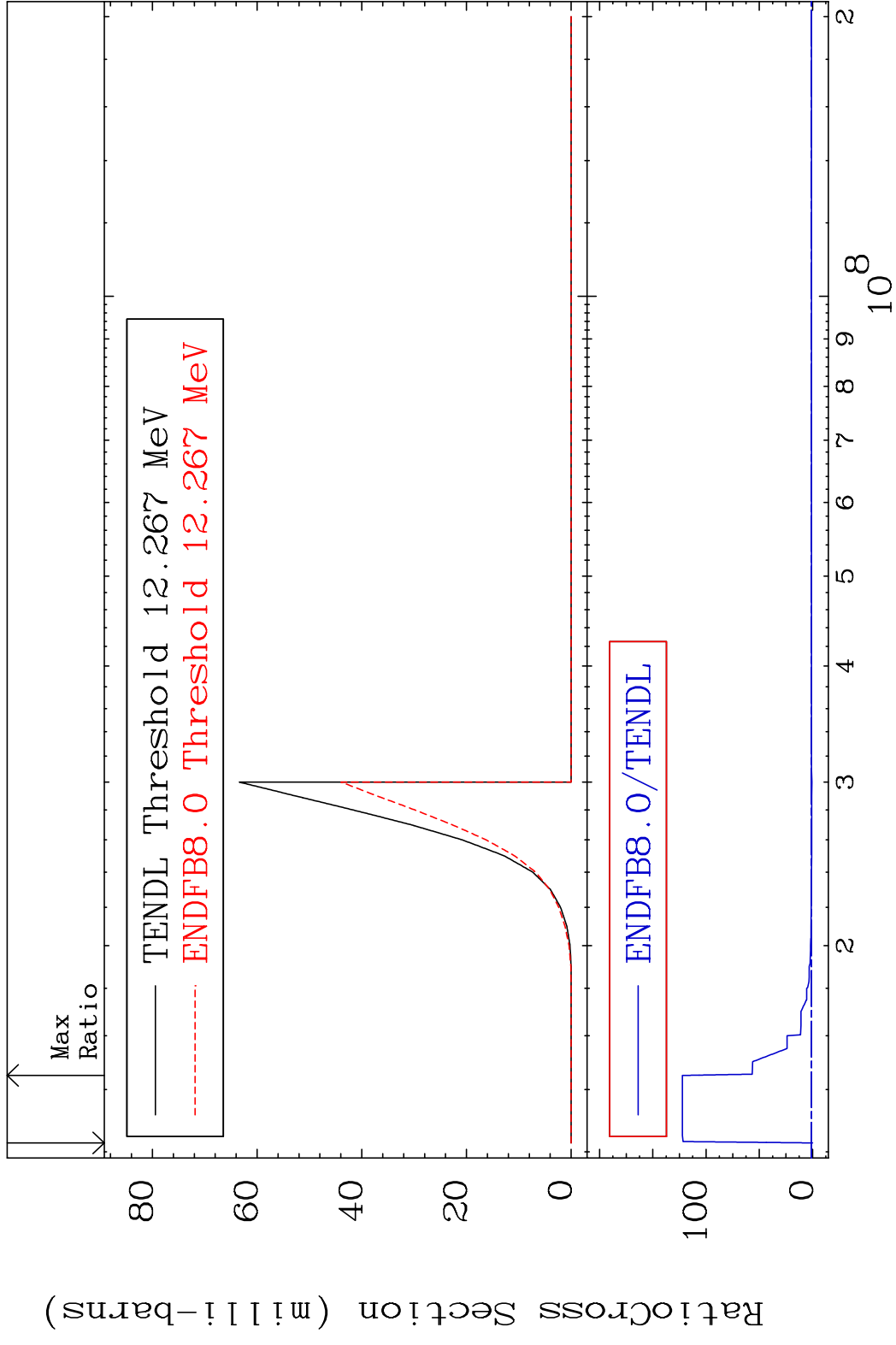


7

Incident Energy (eV)

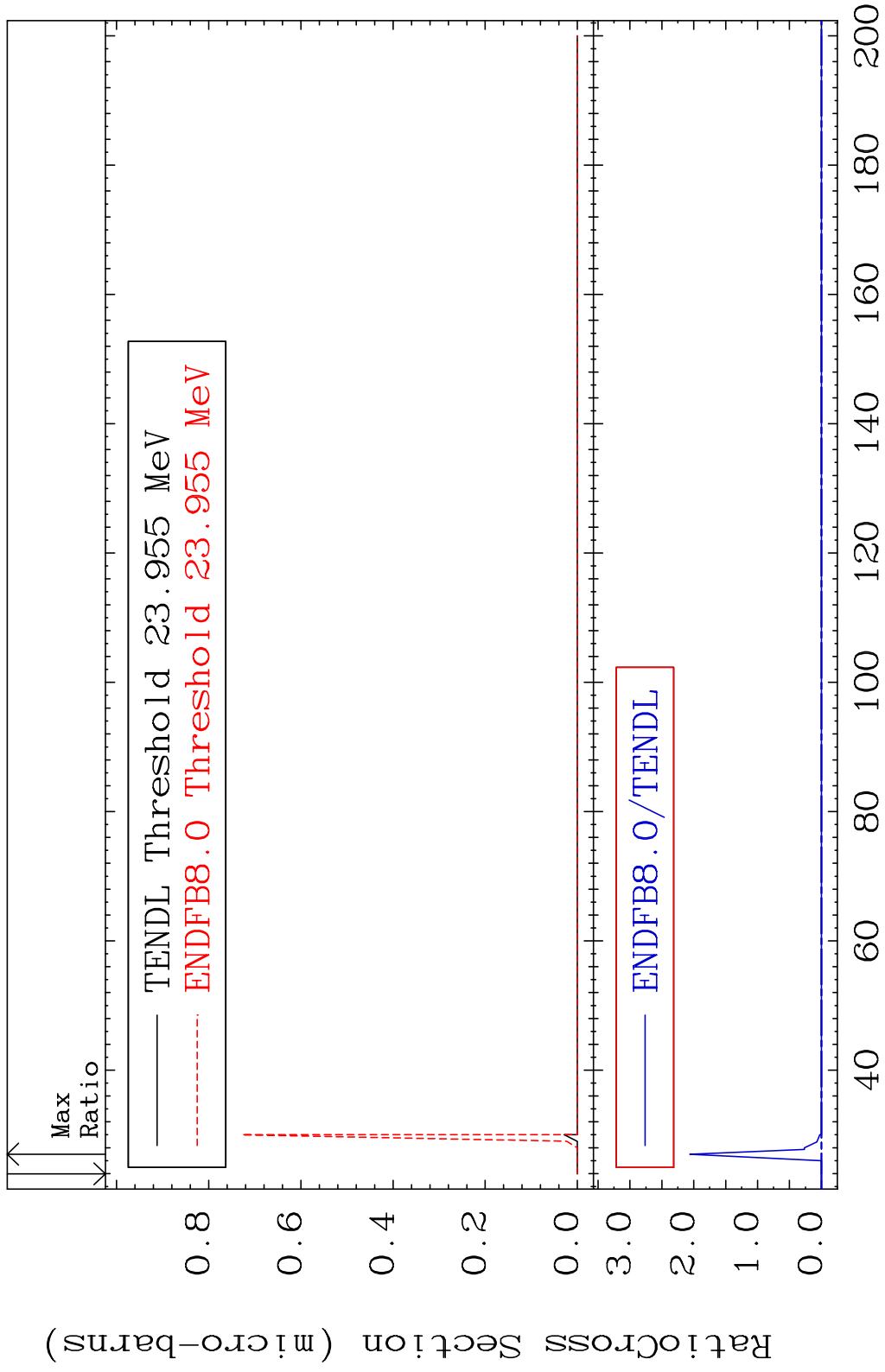
34-Se-75

MAT 3428 (n,2n) α 34-Se-75
 Cross Section -100.0 To 9999. %



8 8 34-Se-75

MAT 3428 (n,3n) α 34-Se-75
 Cross Section -100.0 To 9999. %

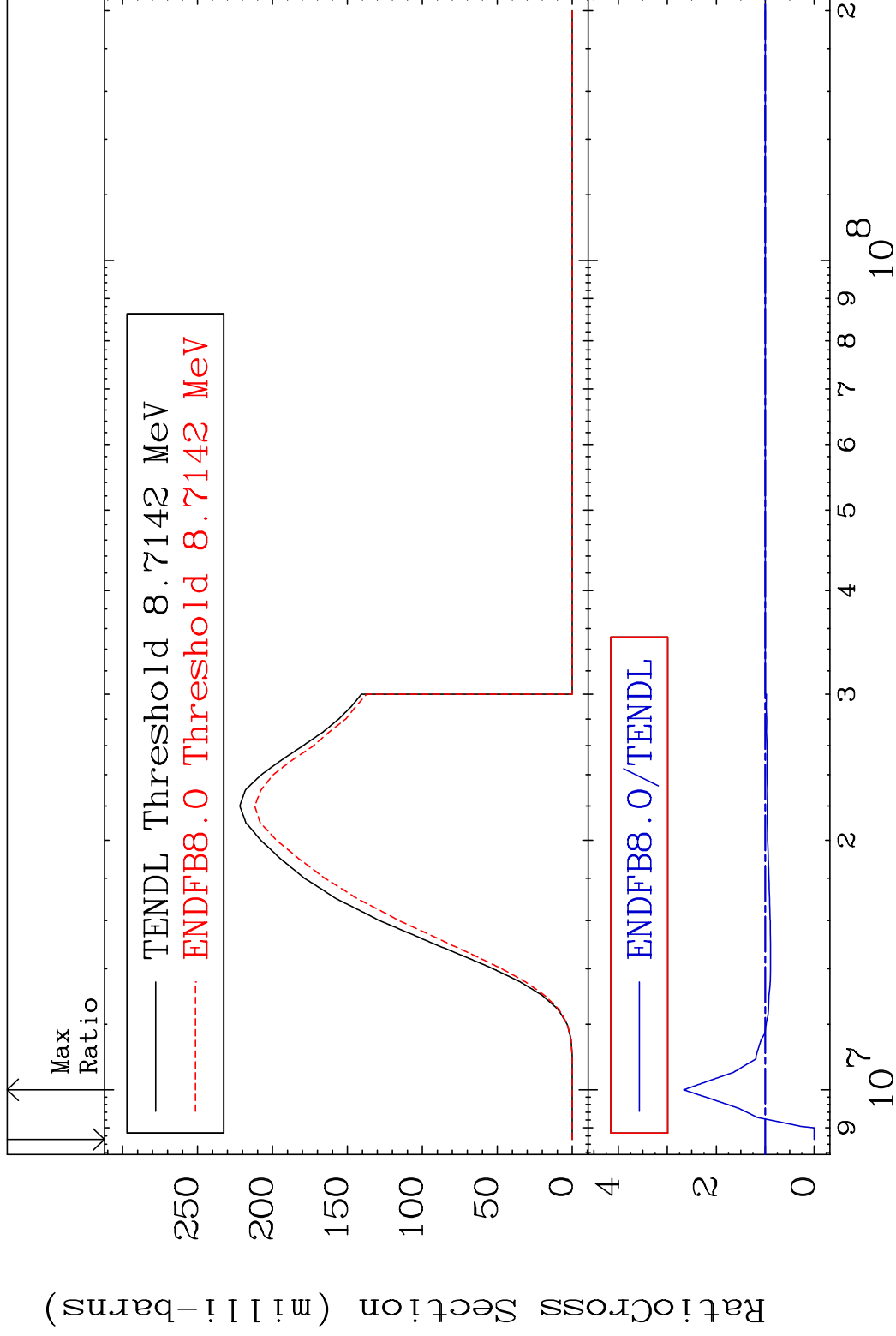


MAT 3428

(n, n') p

³⁴Se-75

Cross Section -100.0 To 166.6 %



10

Incident Energy (eV)

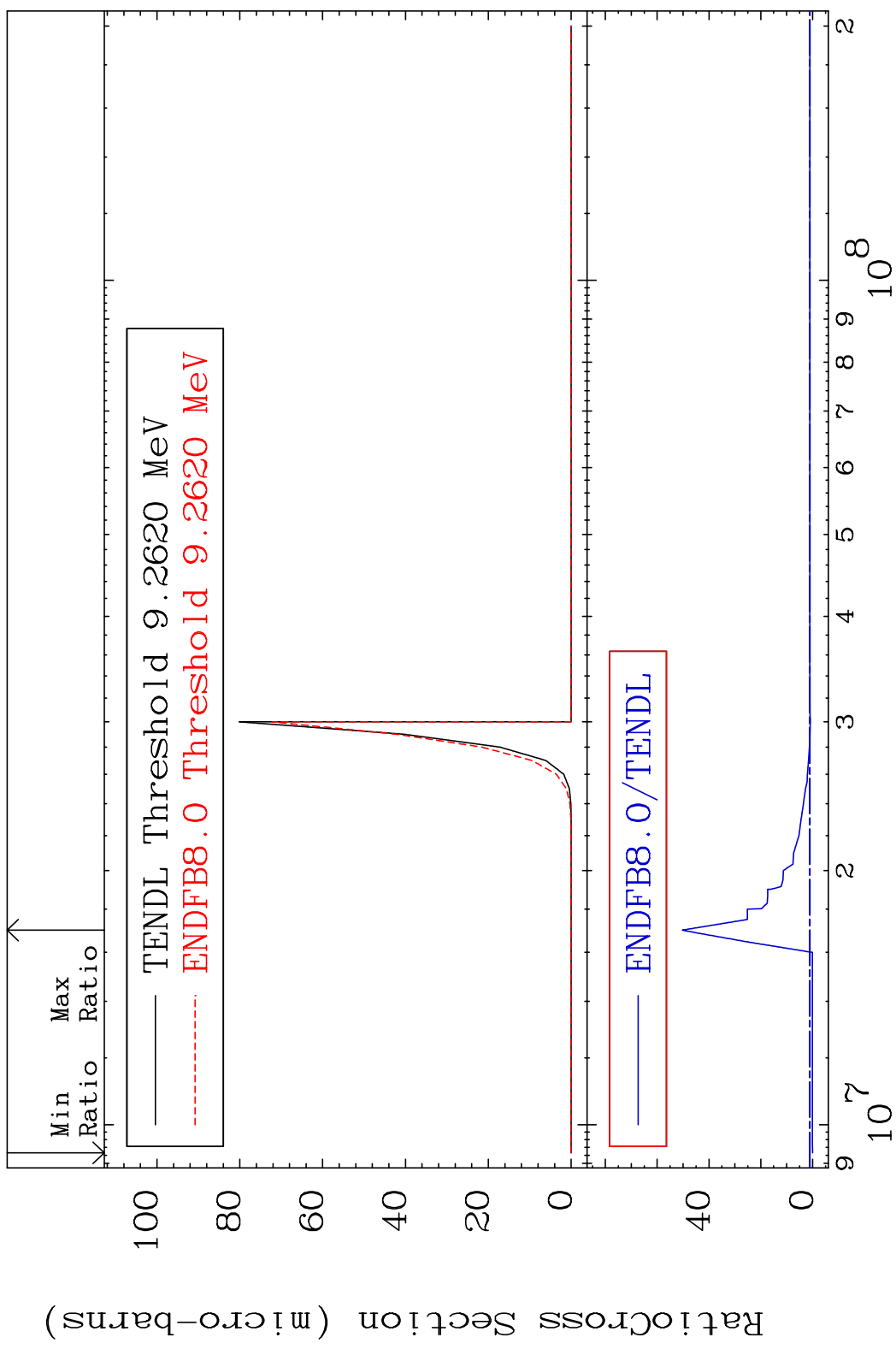
³⁴Se-75

MAT 3428

(n, n') 2α

34-Se-75

Cross Section -100.0 To 4928. %

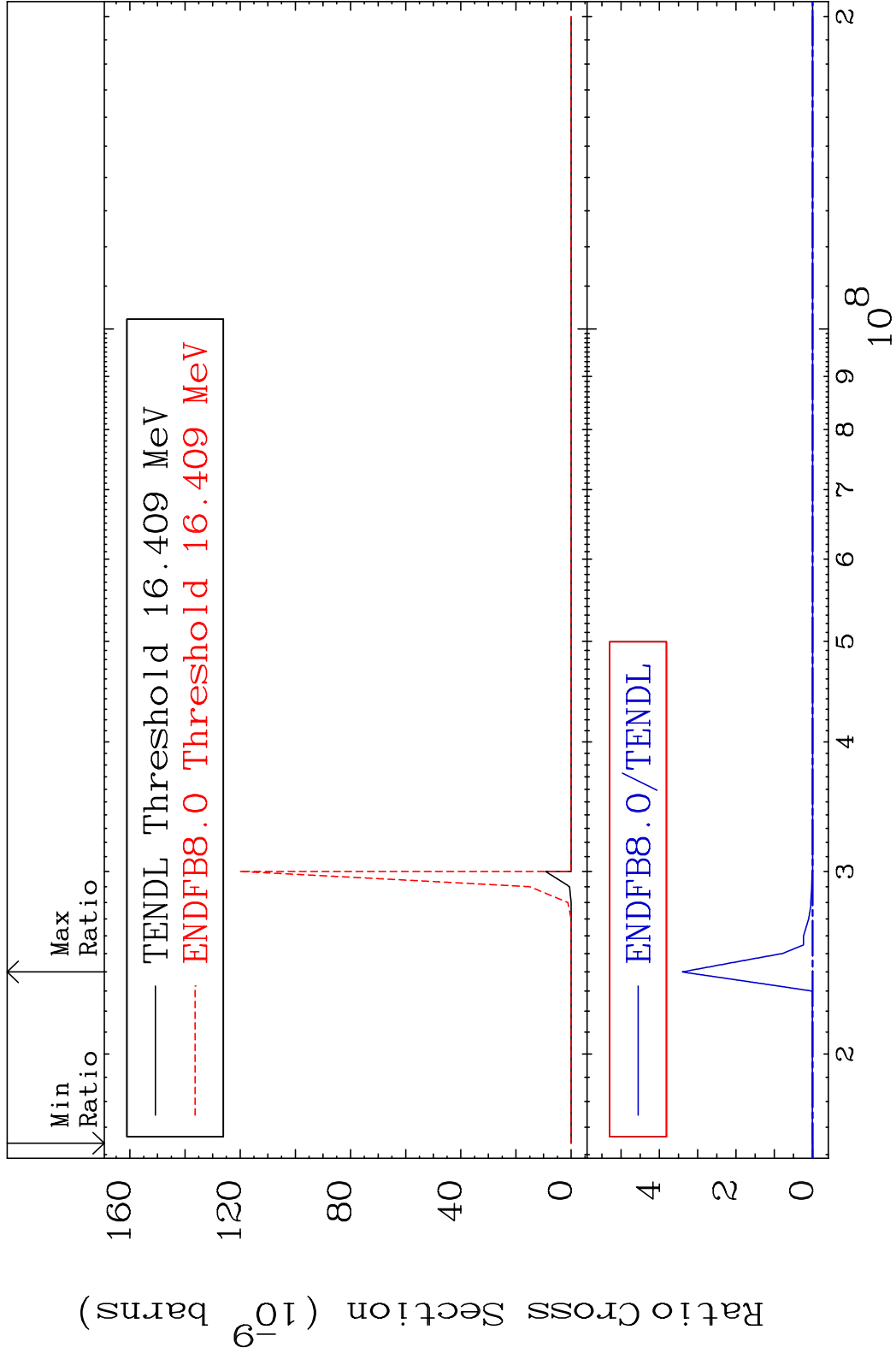


11

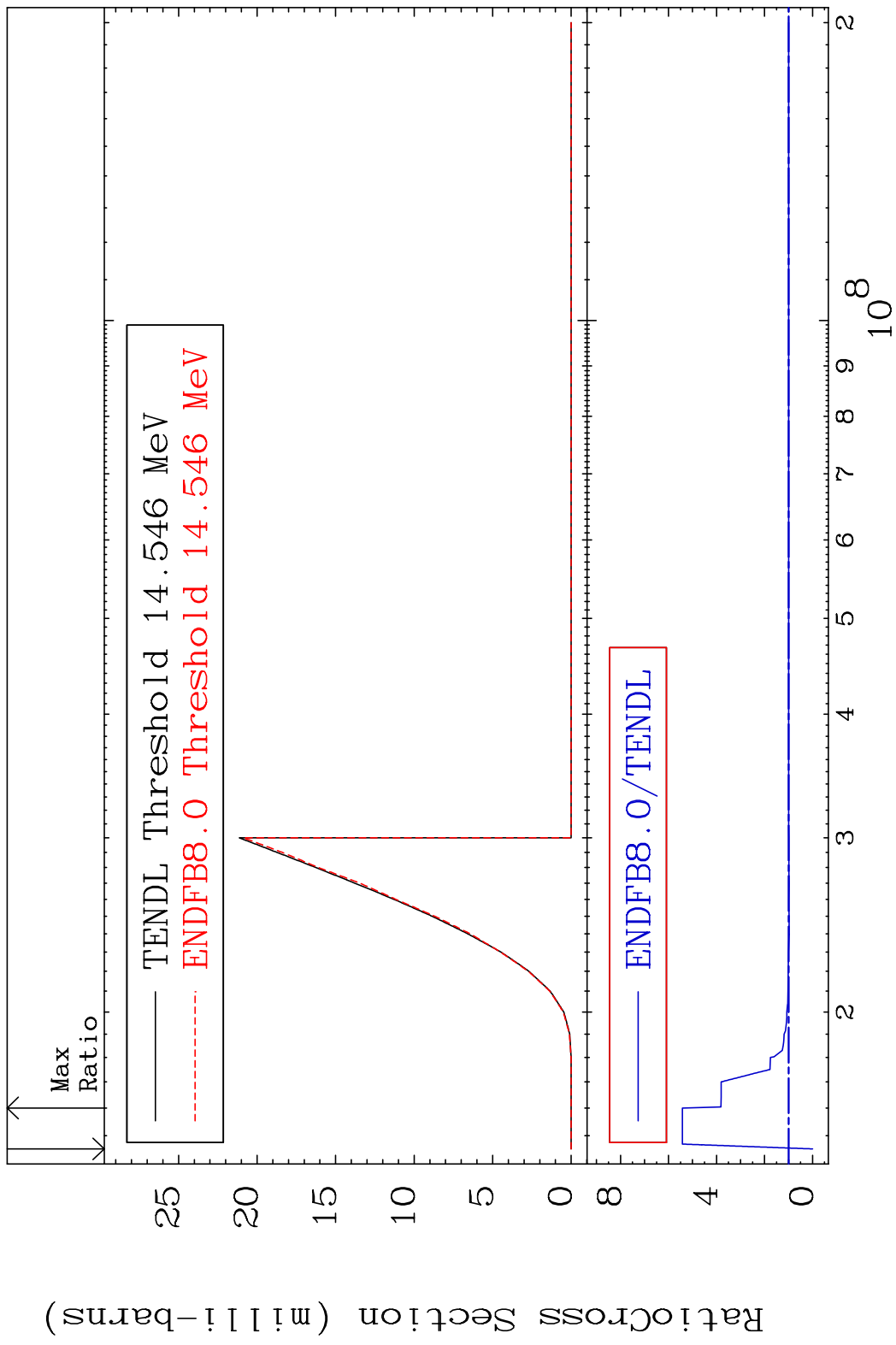
Incident Energy (eV)

34-Se-75

MAT 3428 (n,2n) 2α 34-Se-75
 Cross Section -100.0 To 9999. %



MAT 3428 (n, n') d 34-Se-75
 Cross Section -100.0 To 442.4 %

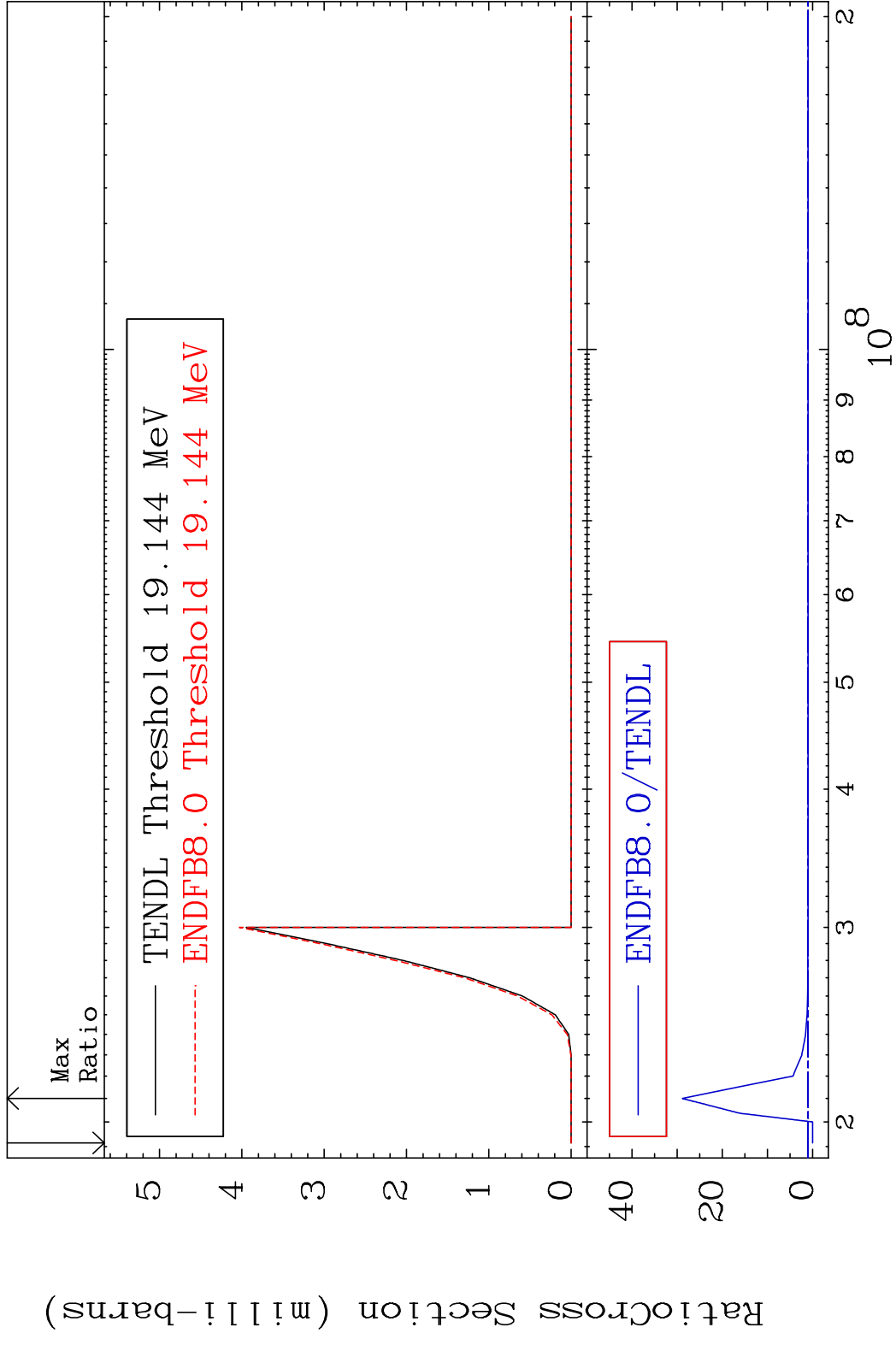


MAT 3428

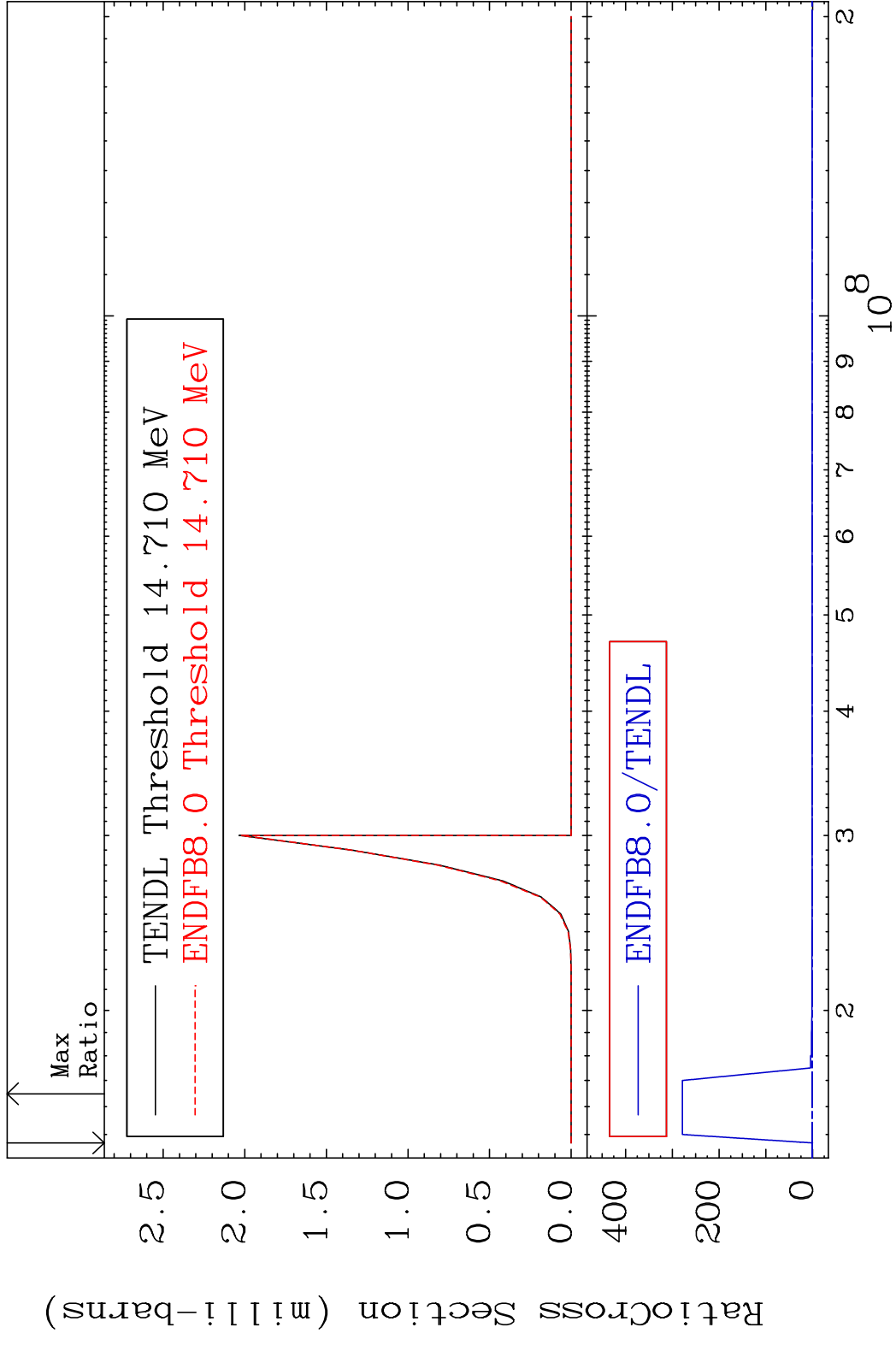
(n, n') t

34-Se-75

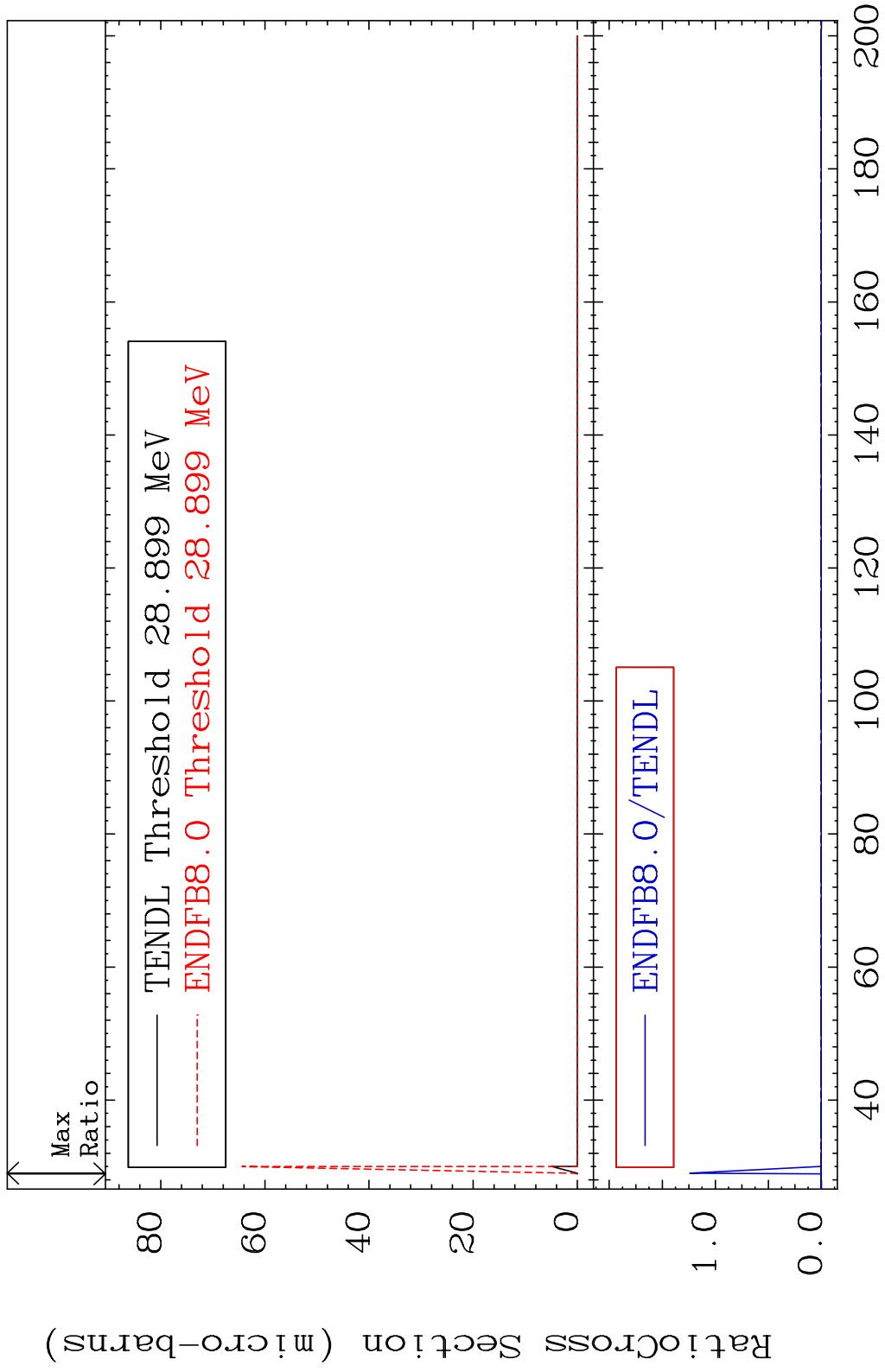
Cross Section -100.0 To 2784. %



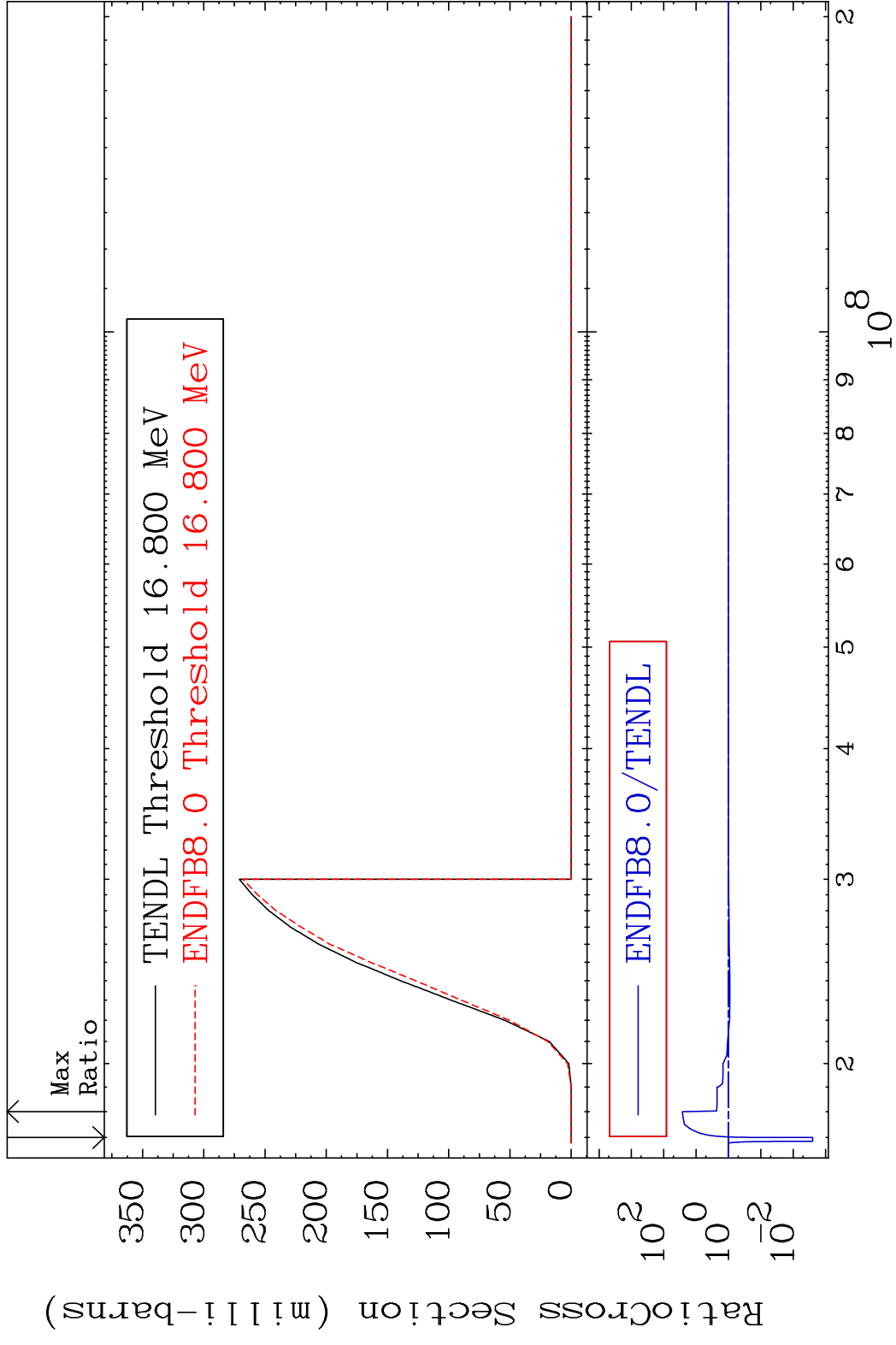
MAT 3428 (n,n') He-3 34-Se-75
 Cross Section -100.0 To 9999. %



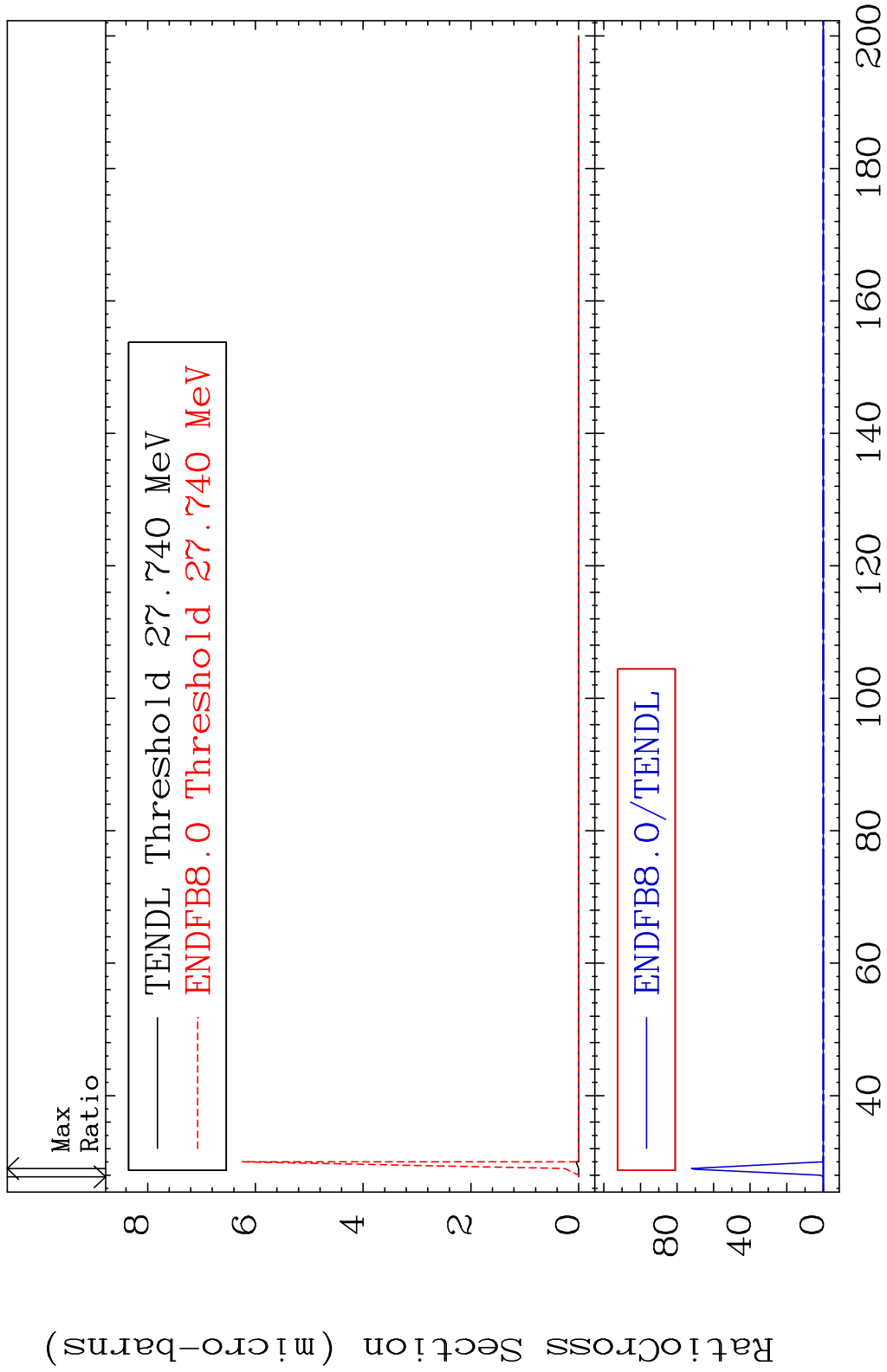
MAT 3428 (n,4n) 34-Se-75
 Cross Section -100.0 To 9999. %



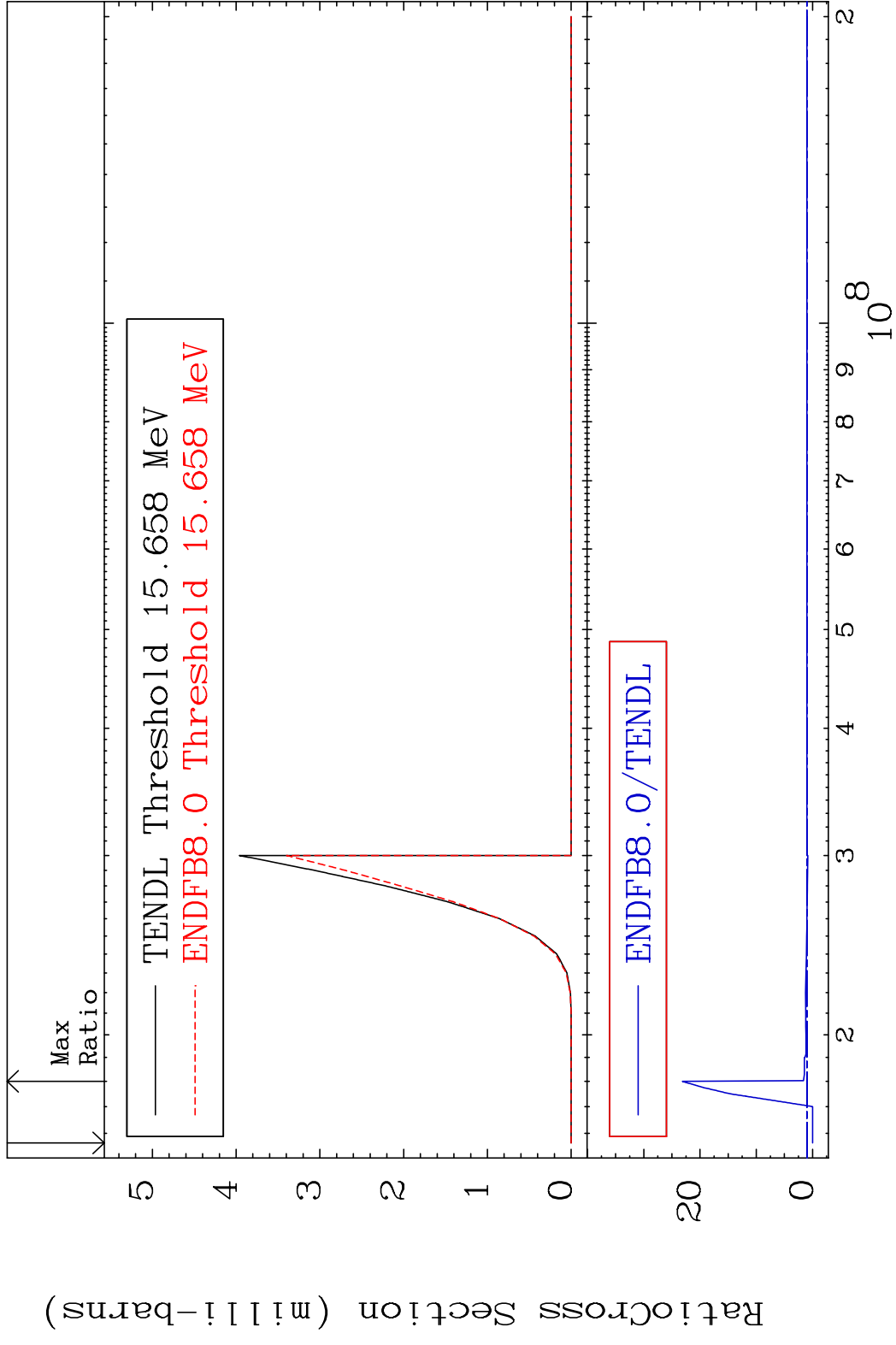
MAT 3428 (n,2n) p 34-Se-75
 Cross Section -99.75 To 2570. %



MAT 3428 (n,3n) p 34-Se-75
 Cross Section -100.0 To 9999. %



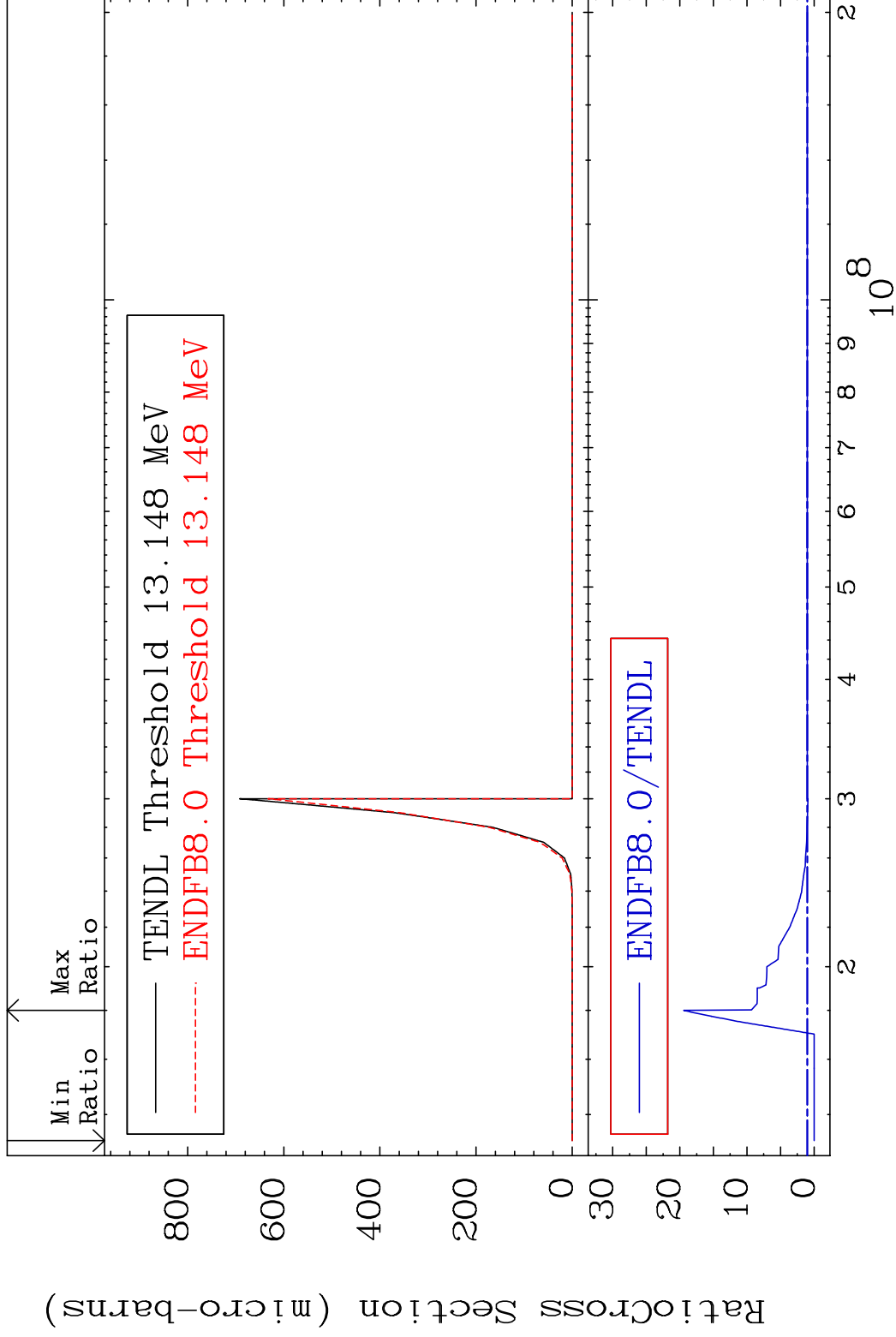
MAT 3428 (n,2n) p 34-Se-75
 Cross Section -100.0 To 2214. %



MAT 3428

(n,n') p α 34-Se-75

Cross Section -100.0 To 1843. %

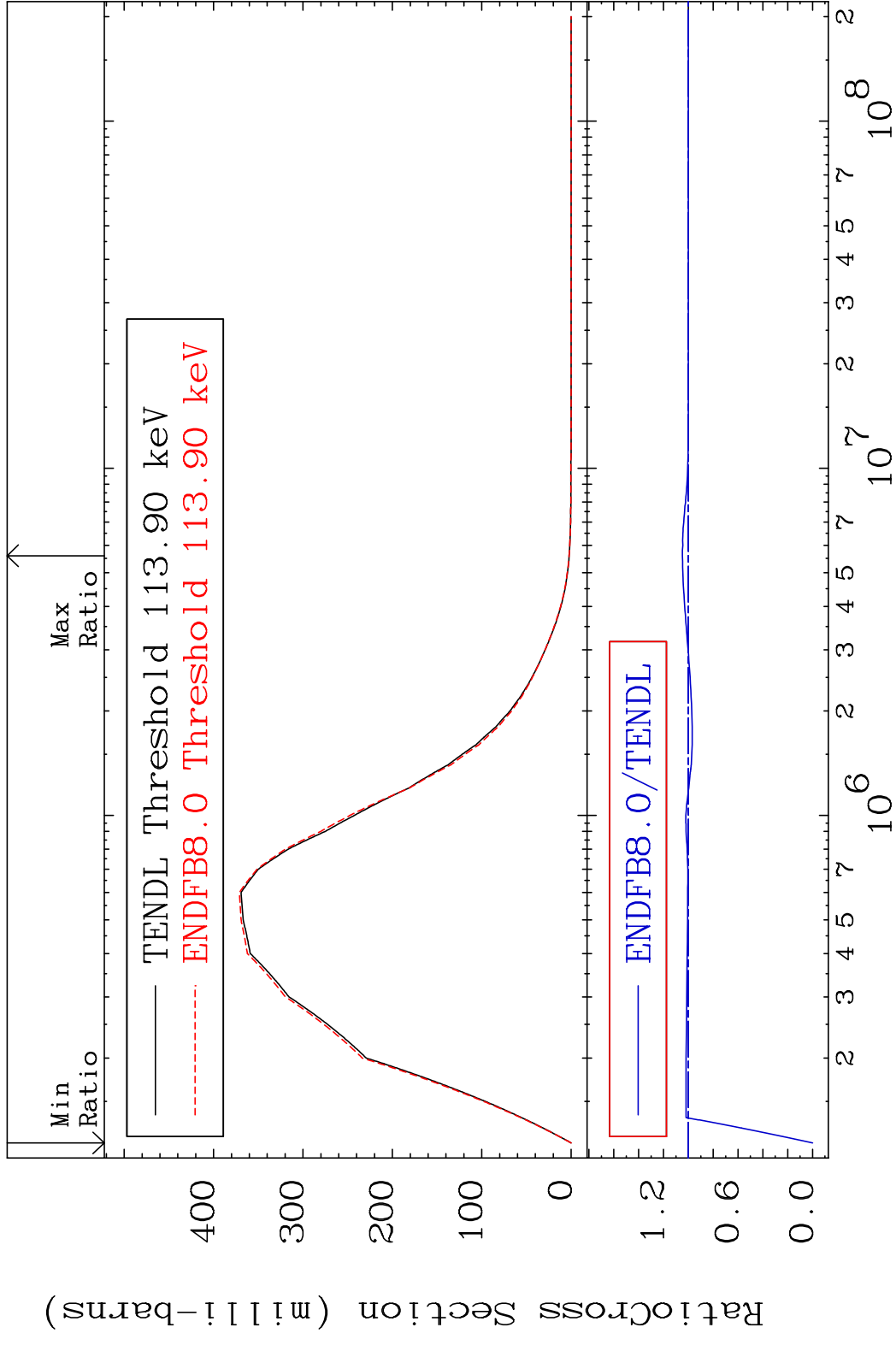


20

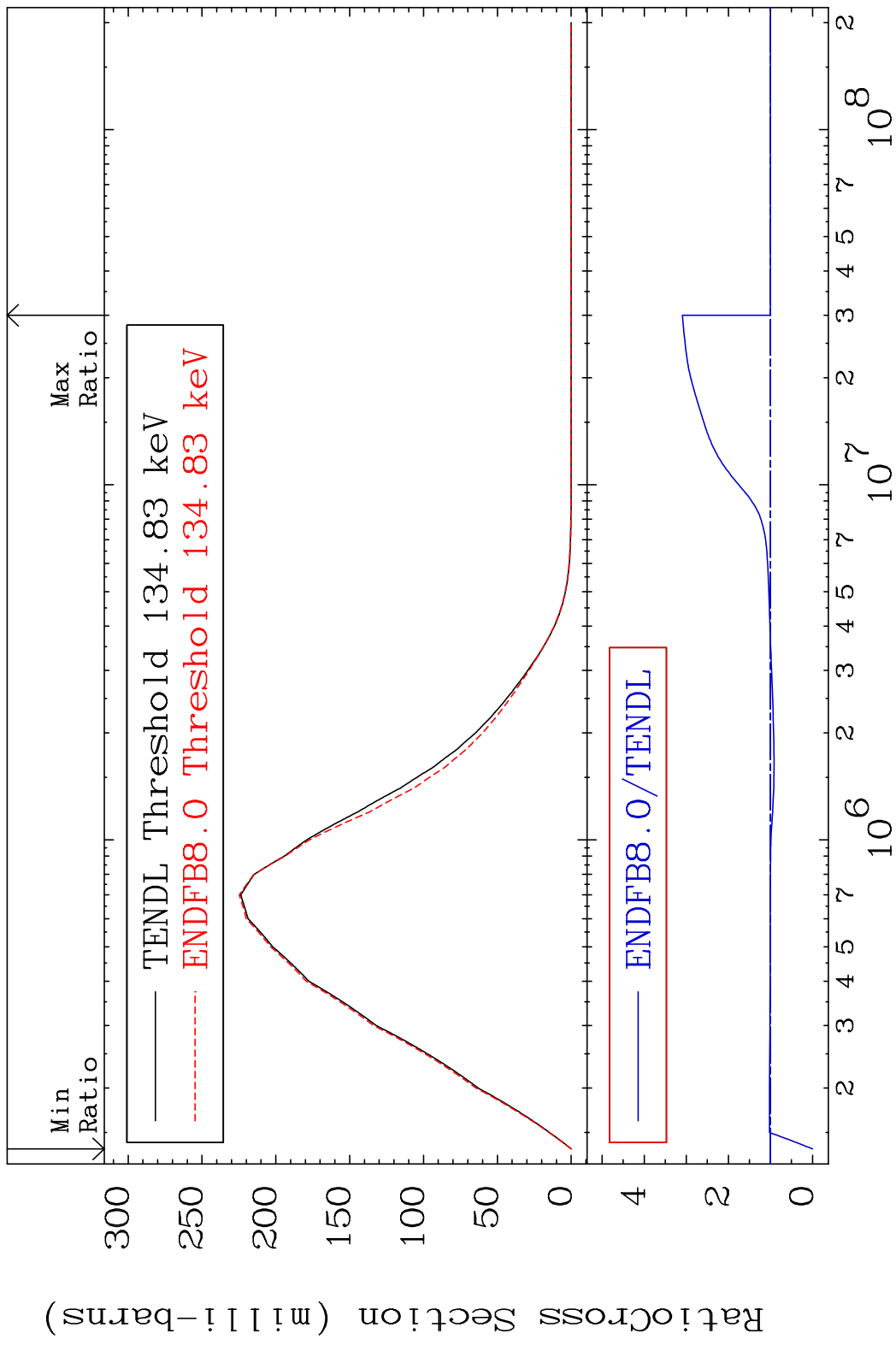
Incident Energy (eV)

34-Se-75

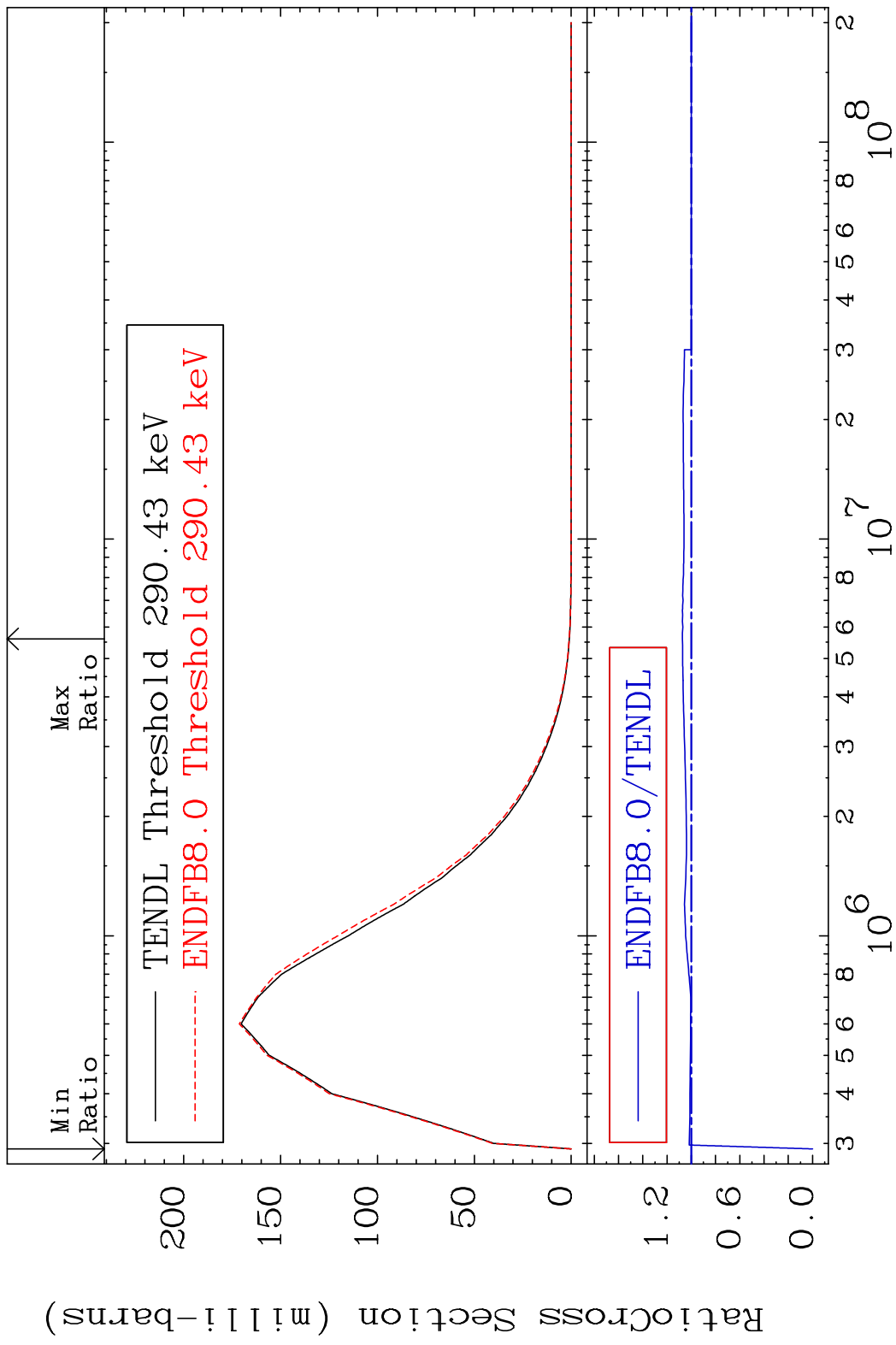
MAT 3428 MT= 51 (n, n') Level 34-Se-75
 Cross Section -100.0 To 4.823 %



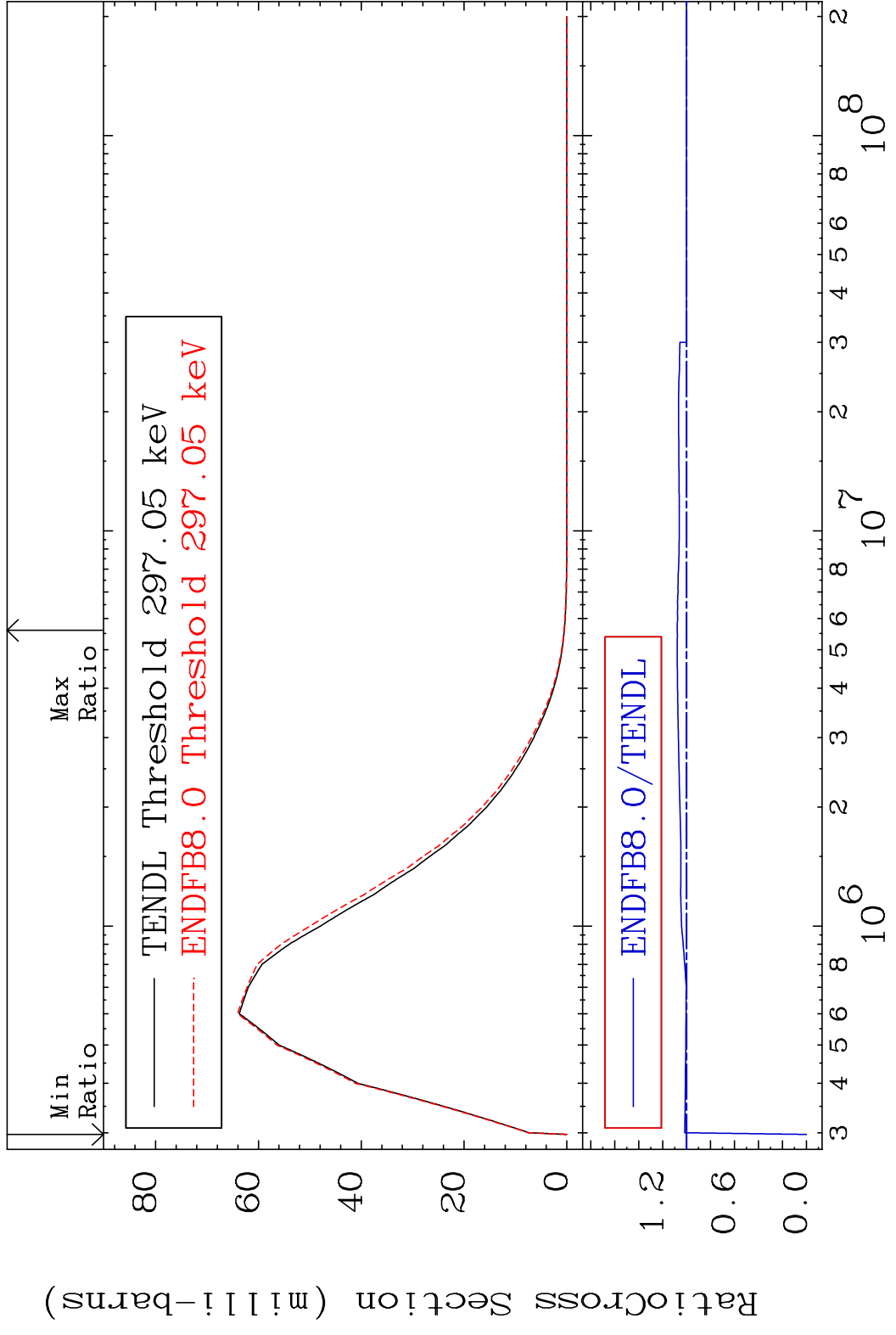
MAT 3428 MT= 52 (n, n') Level 34-Se-75
 Cross Section -100.0 To 209.3 %



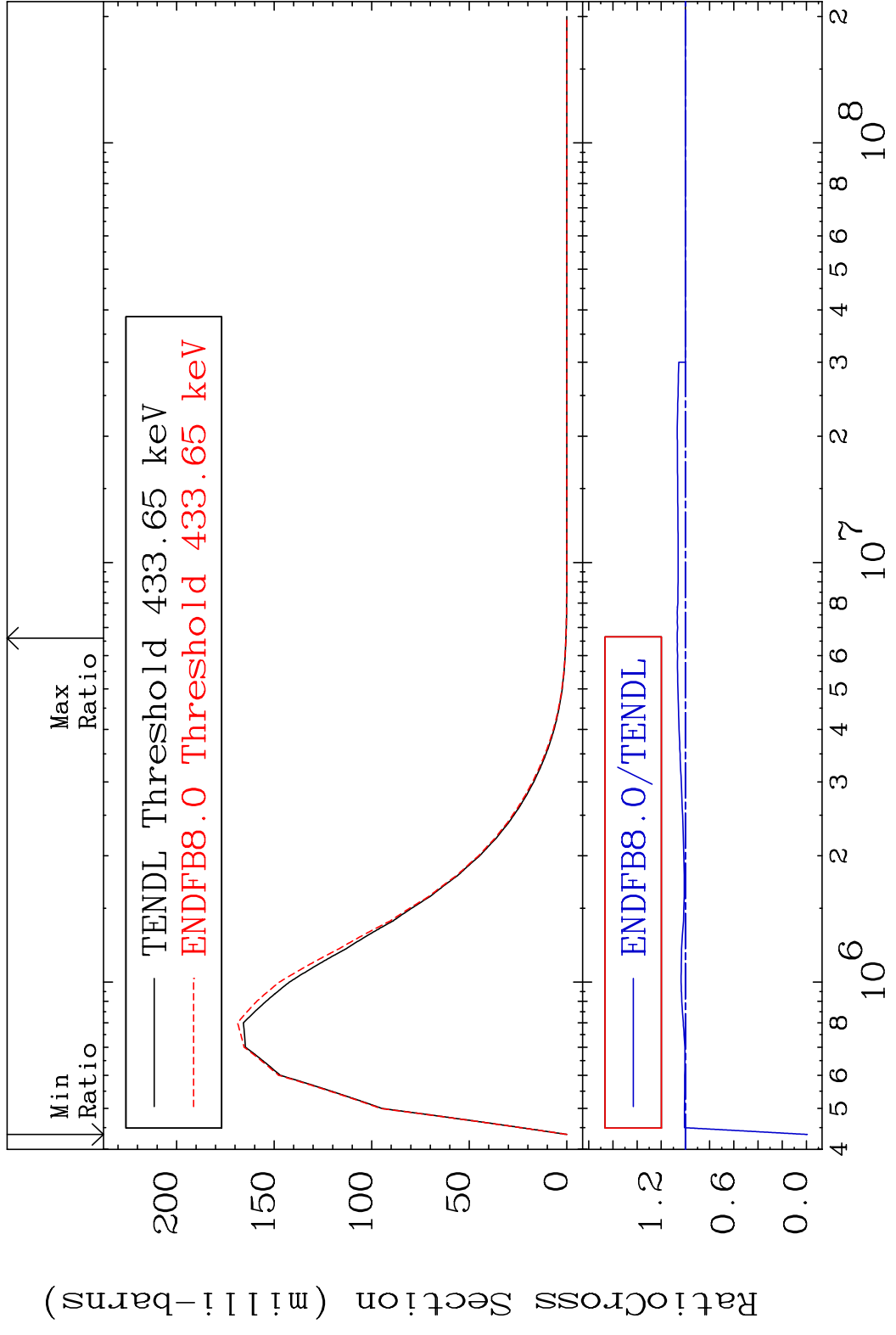
MAT 3428 MT= 53 (n, n') Level 34-Se-75
 Cross Section -100.0 To 7.374 %



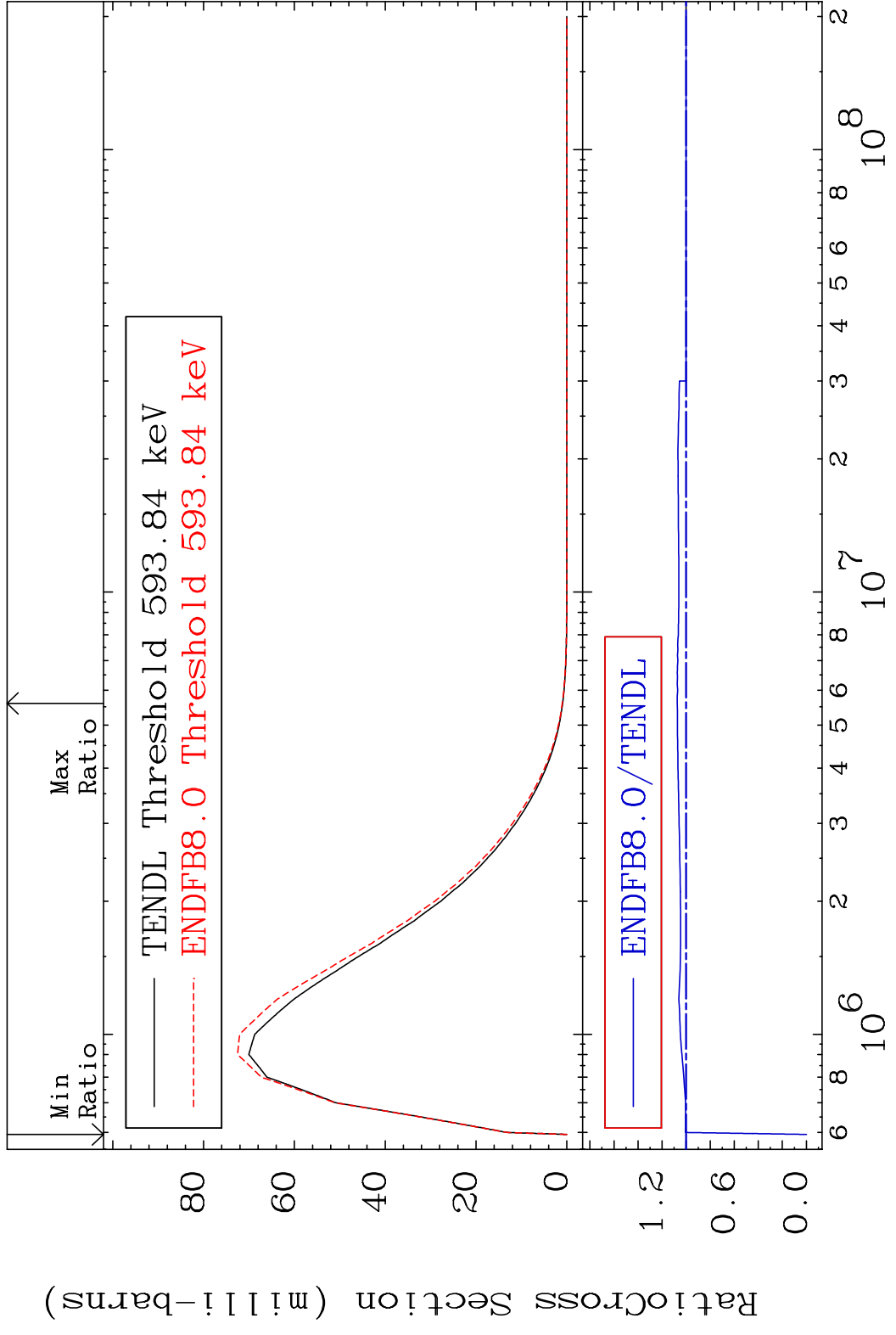
MAT 3428 MT= 54 (n, n') Level 34-Se-75
 Cross Section -100.0 To 7.867 %



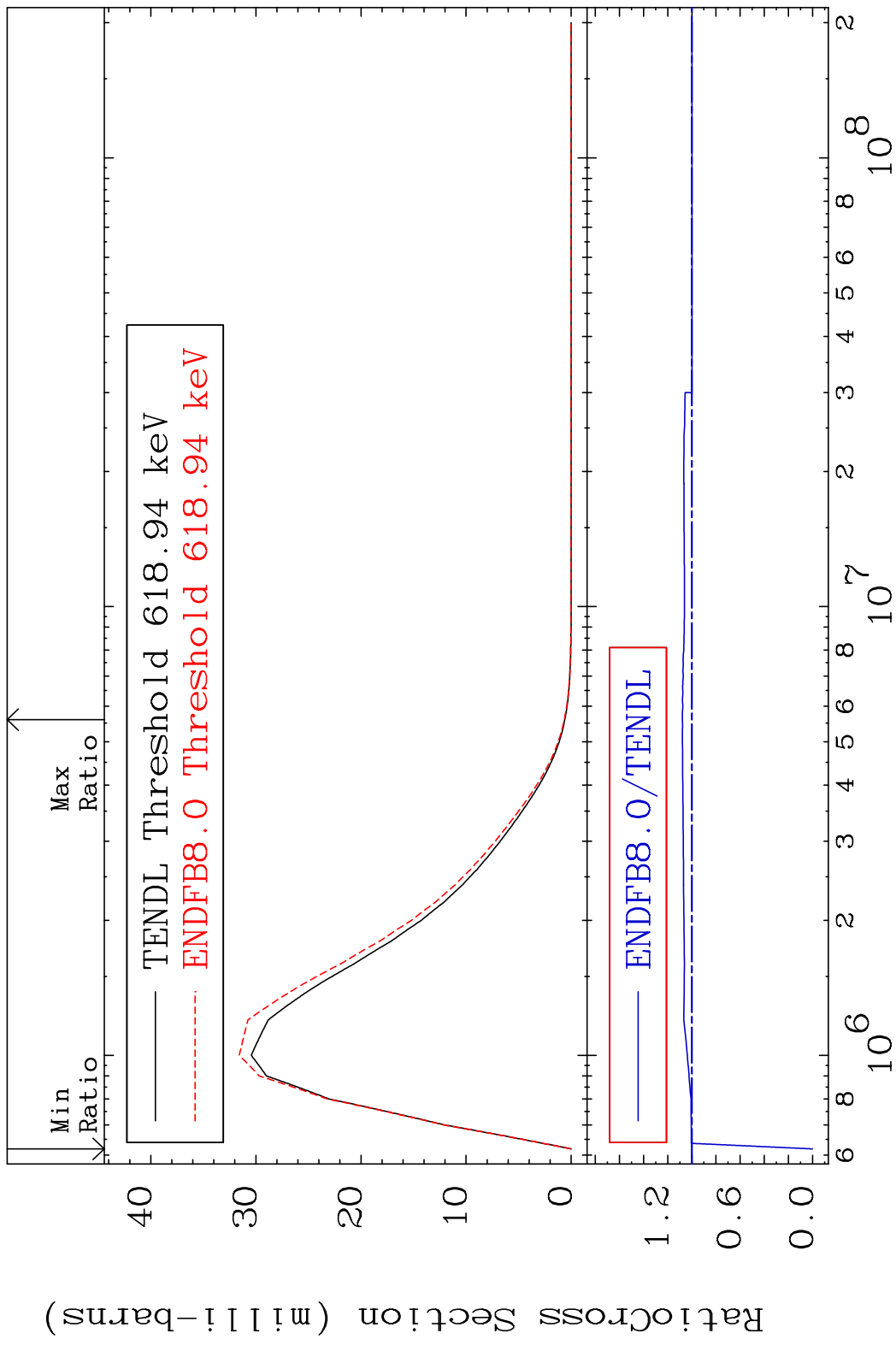
MAT 3428 MT= 55 (n, n') Level 34-Se-75
 Cross Section -100.0 To 6.833 %



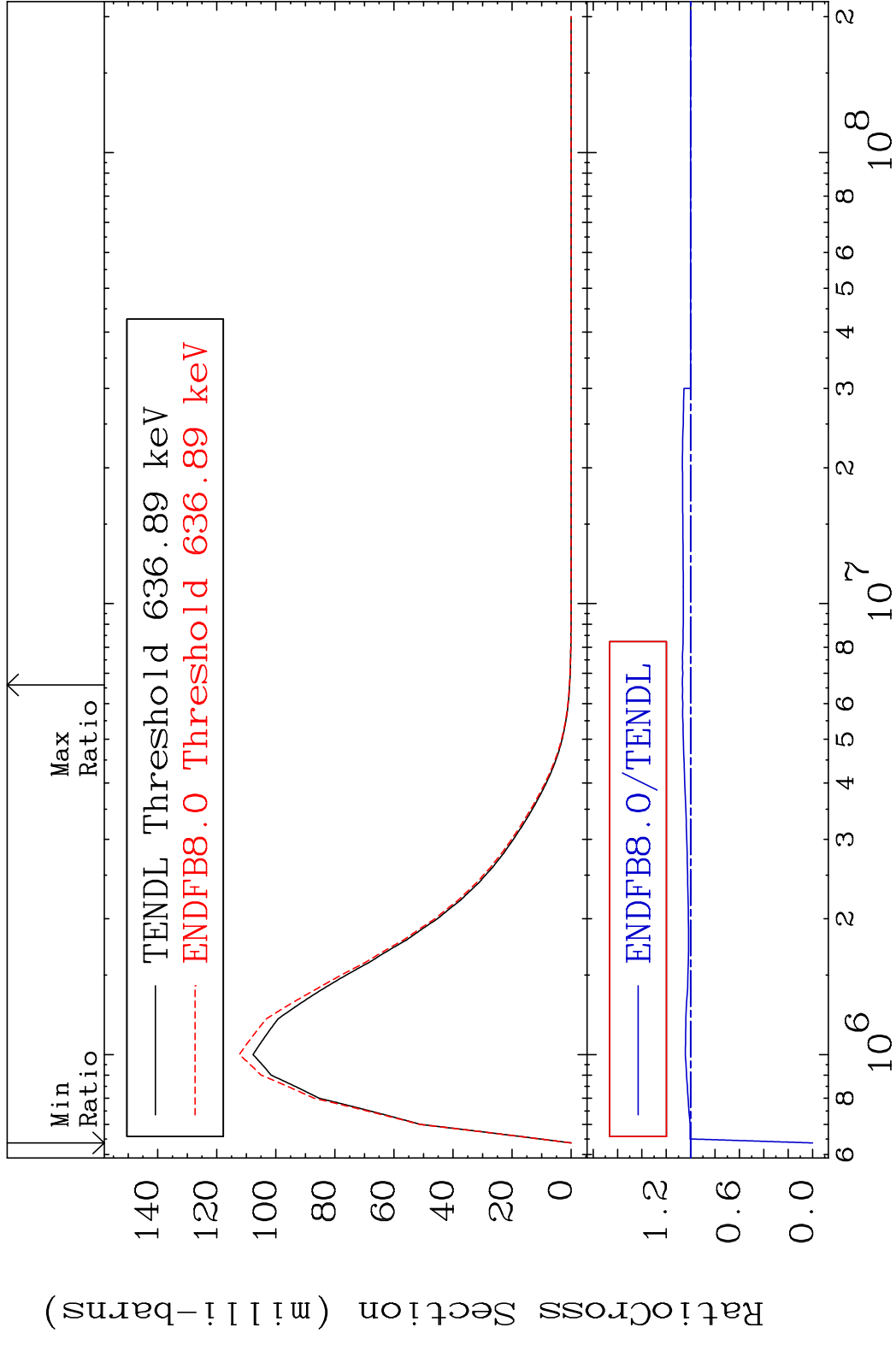
MAT 3428 MT= 56 (n,n') Level 34-Se-75
 Cross Section -100.0 To 7.436 %



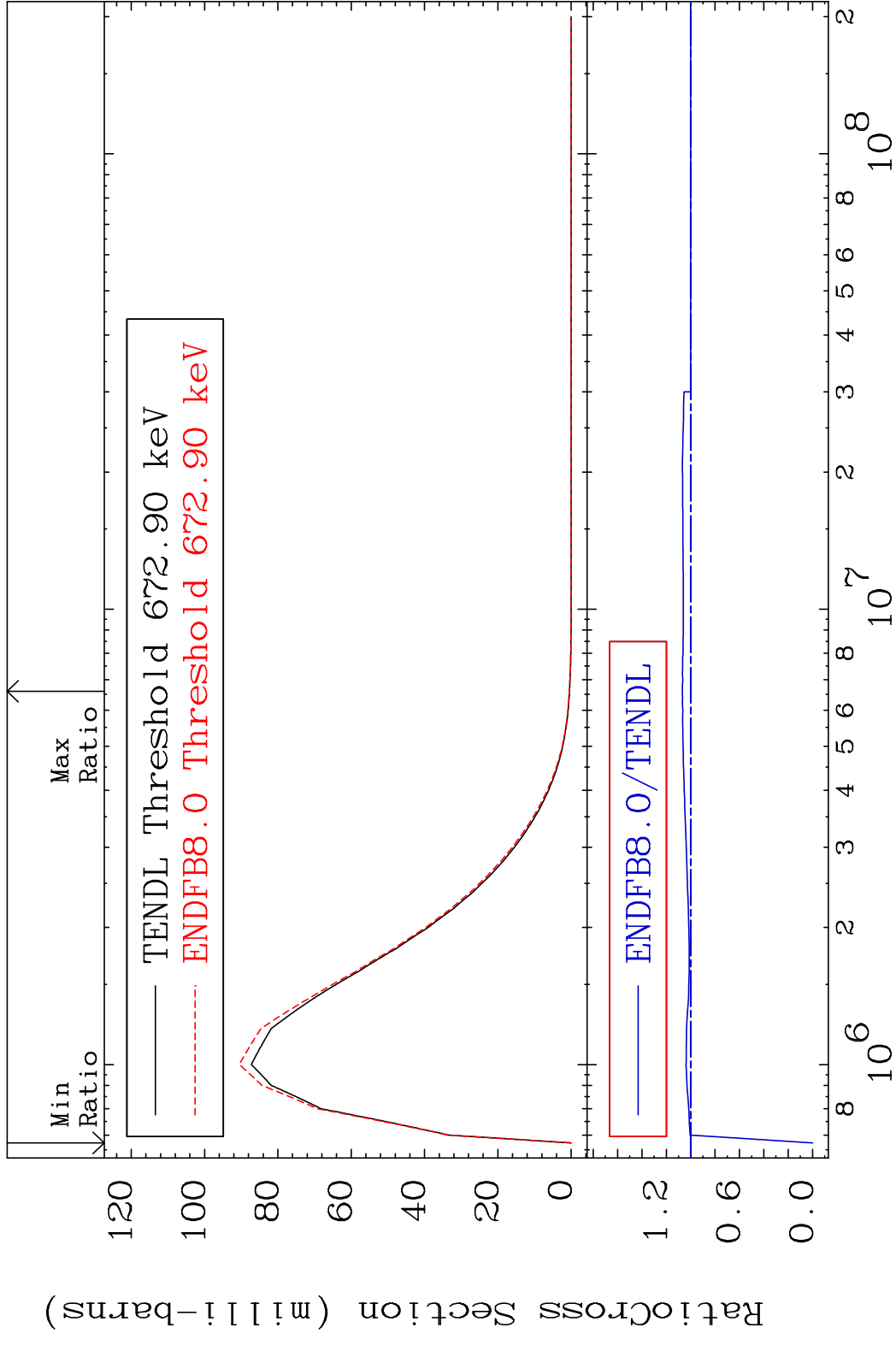
MAT 3428 MT= 57 (n, n') Level 34-Se-75
 Cross Section -100.0 To 7.878 %



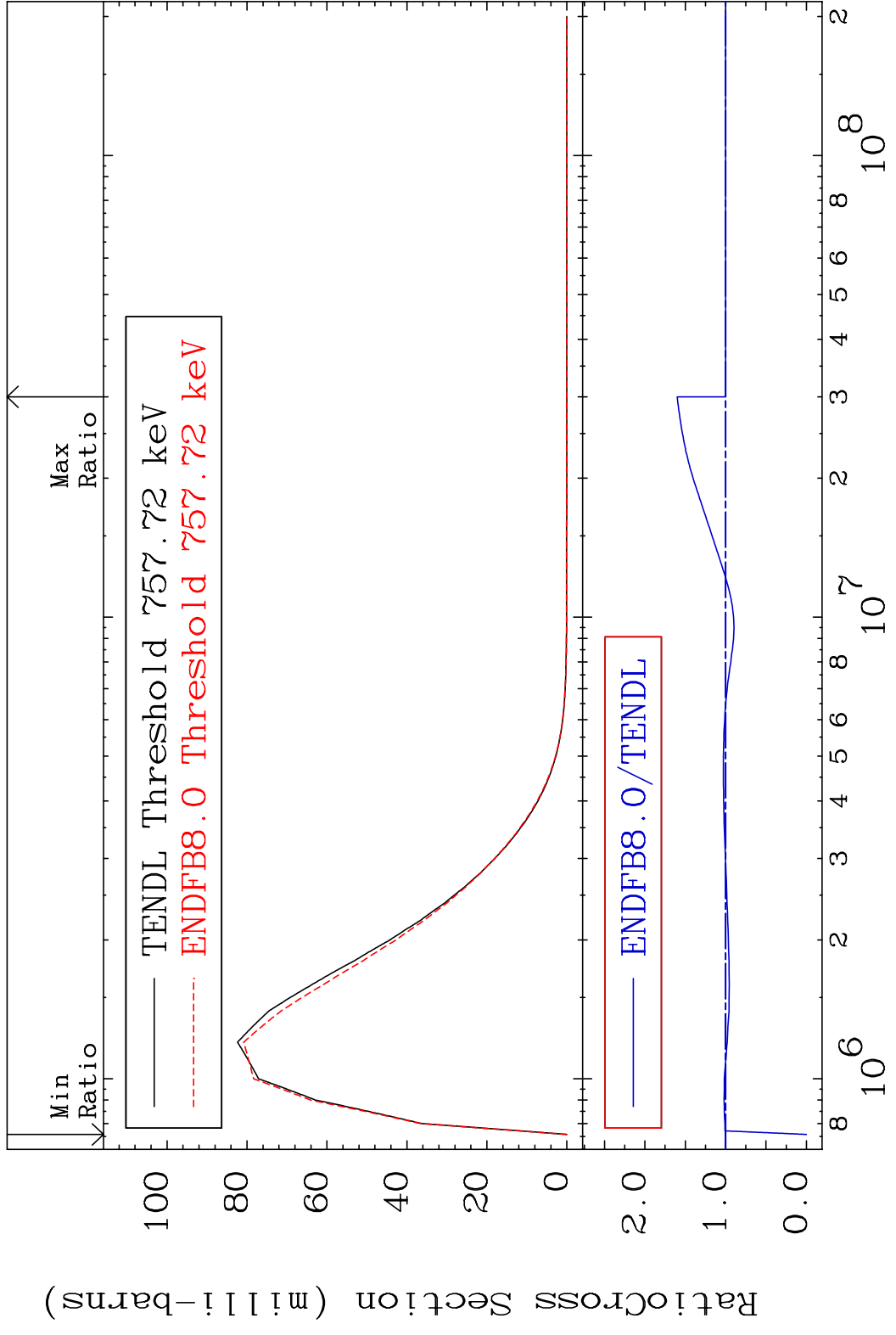
MAT 3428 MT= 58 (n, n') Level 34-Se-75
 Cross Section -100.0 To 6.807 %



MAT 3428 MT= 59 (n, n') Level 34-Se-75
 Cross Section -100.0 To 6.857 %

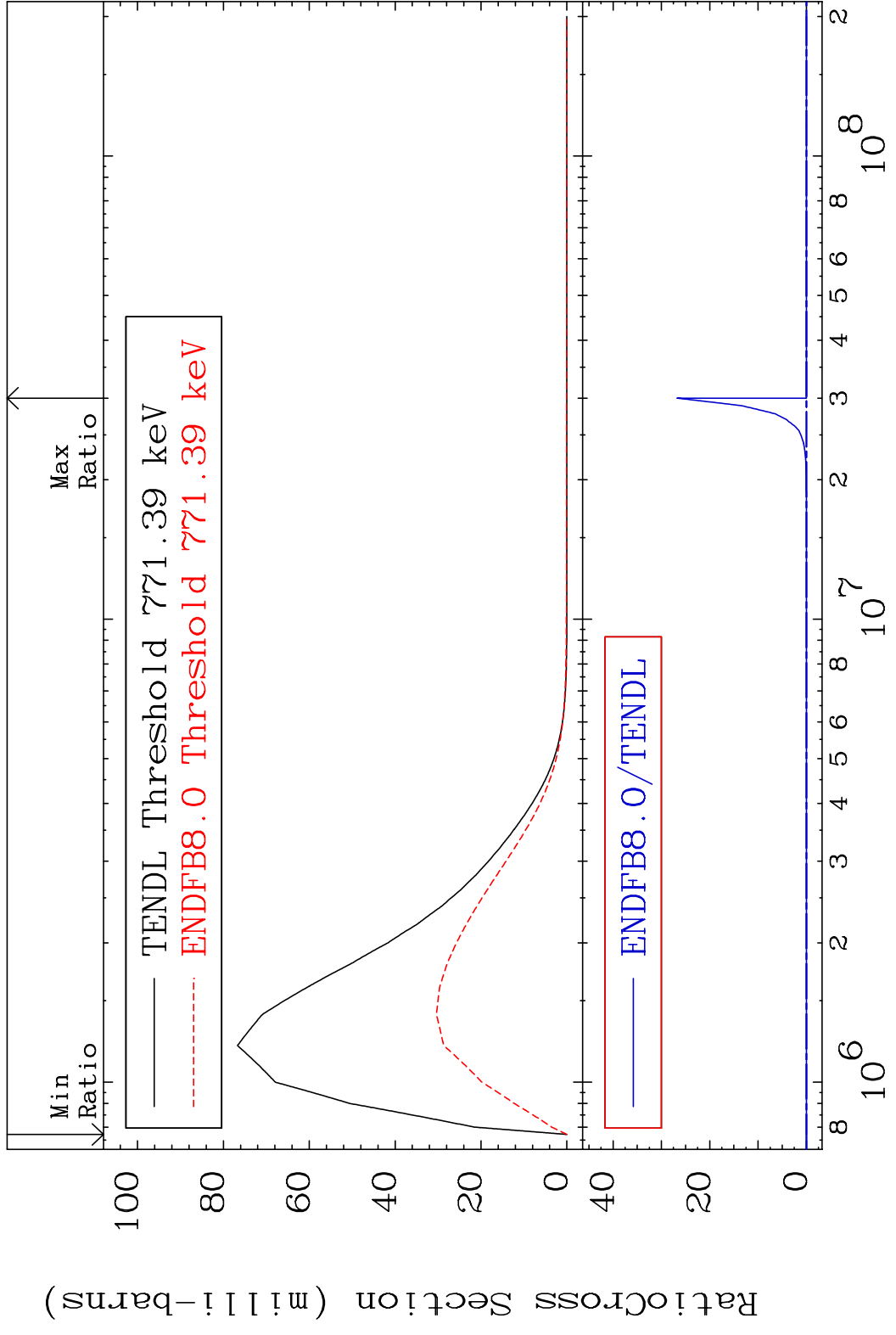


MAT 3428 MT= 60 (n, n') Level 34-Se-75
 Cross Section -100.0 To 60.01 %

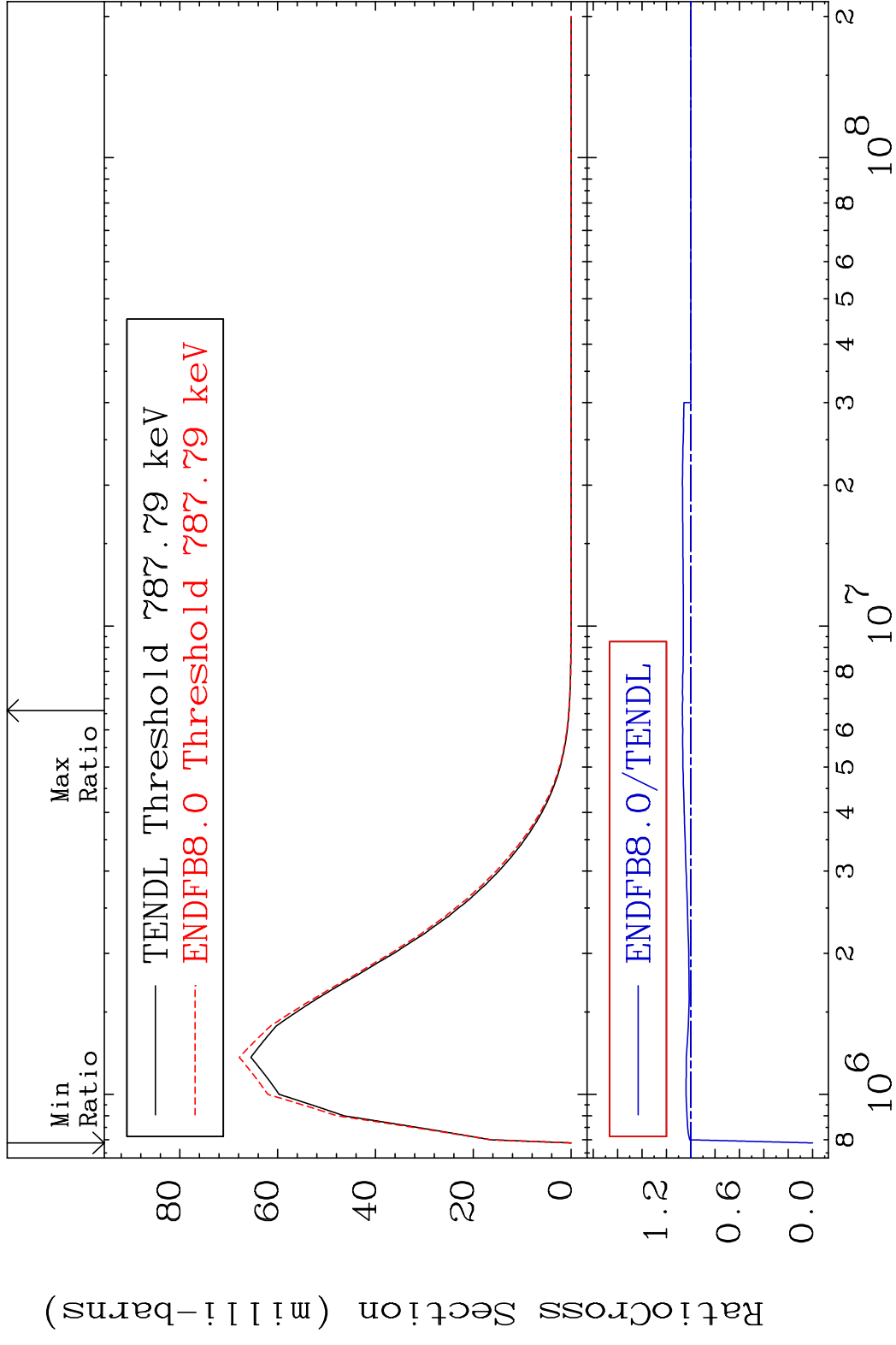


30 Incident Energy (eV) 34-Se-75

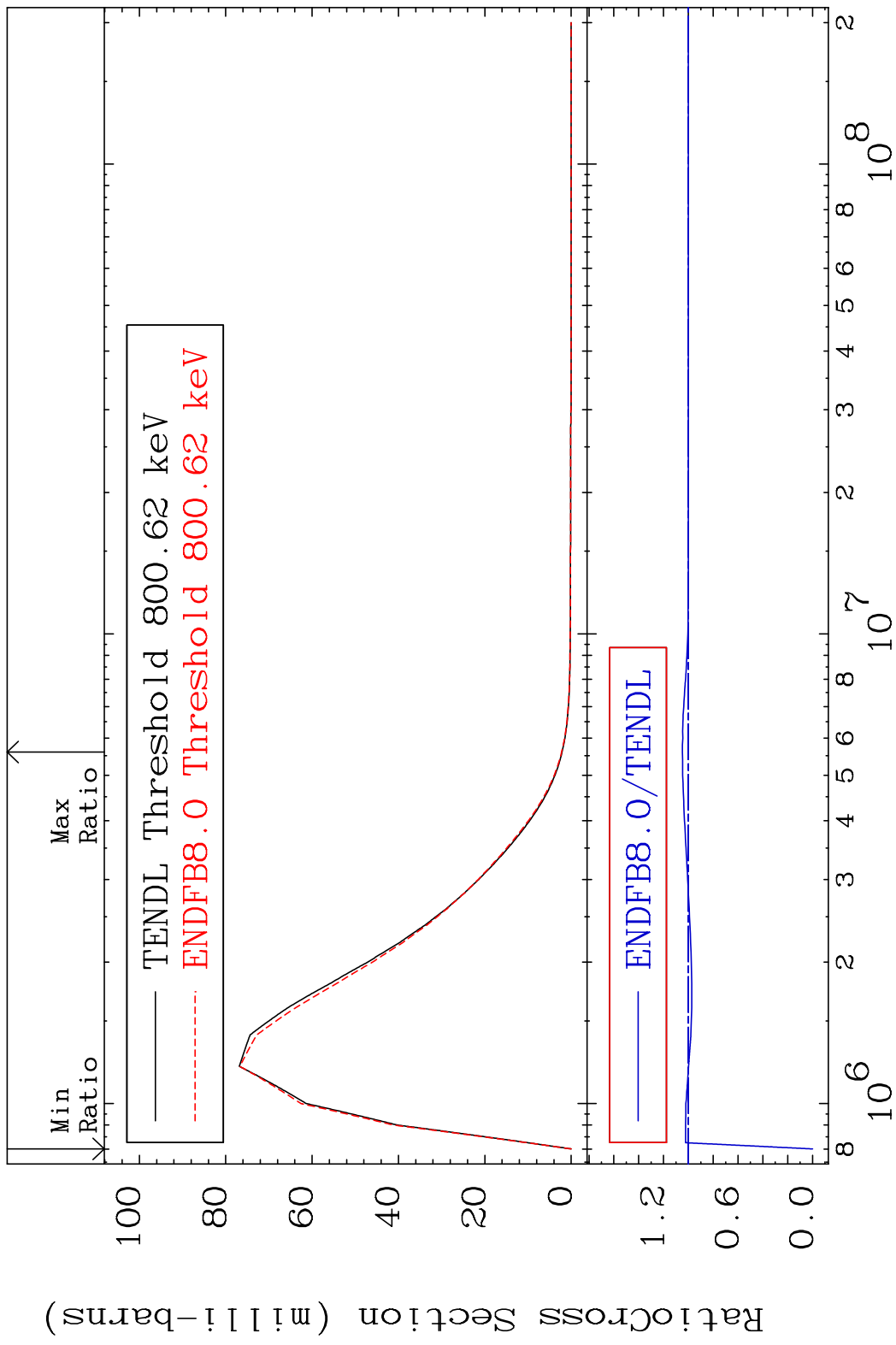
MAT 3428 MT= 61 (n, n') Level 34-Se-75
 Cross Section -100.0 To 9999. %



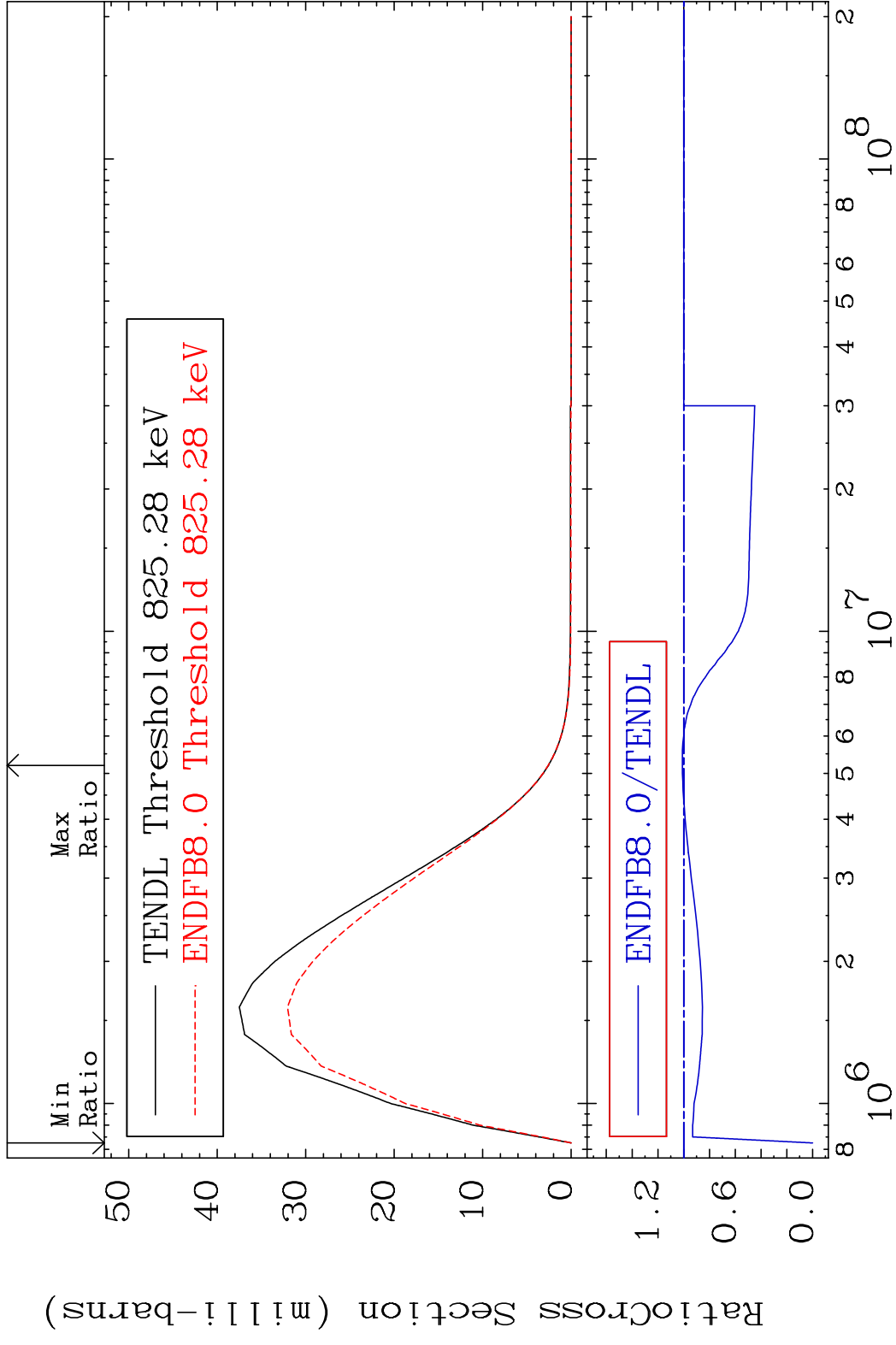
MAT 3428 MT= 62 (n,n') Level 34-Se-75
 Cross Section -100.0 To 6.869 %



MAT 3428 MT= 63 (n, n') Level 34-Se-75
 Cross Section -100.0 To 4.837 %

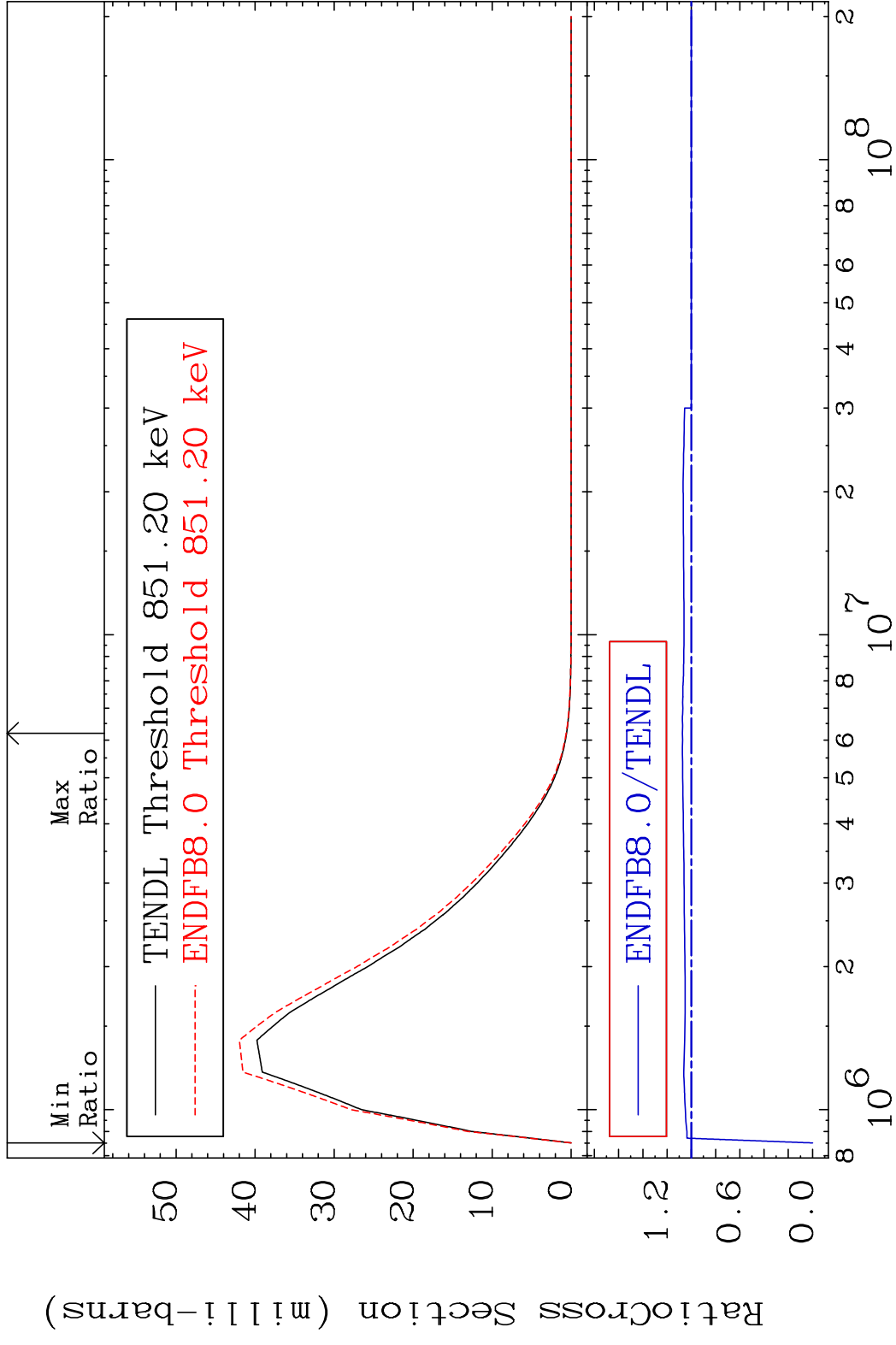


MAT 3428 MT= 64 (n, n') Level 34-Se-75
 Cross Section -100.0 To 1.015 %



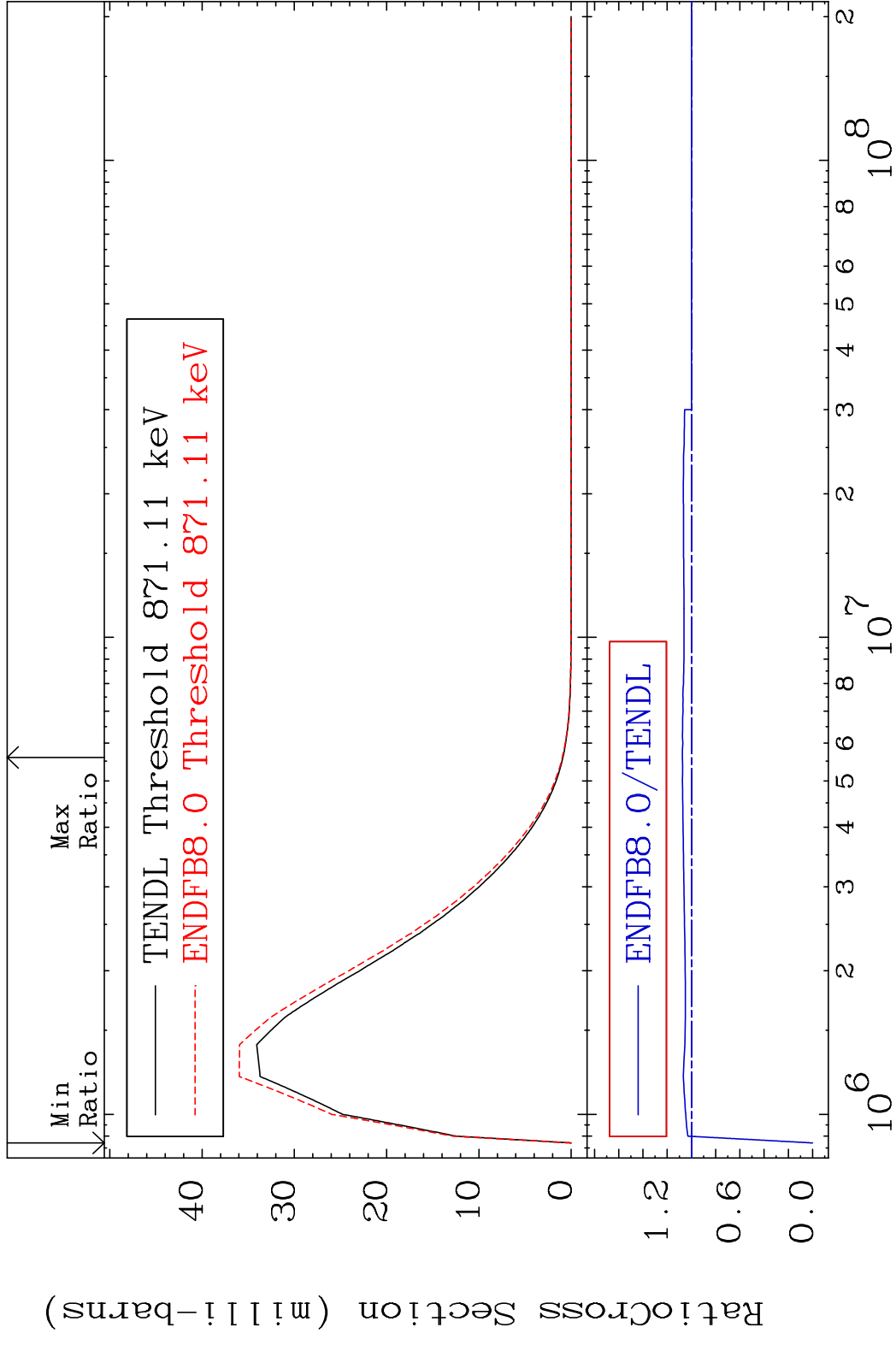
34 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 65 (n, n') Level 34-Se-75
 Cross Section -100.0 To 7.414 %



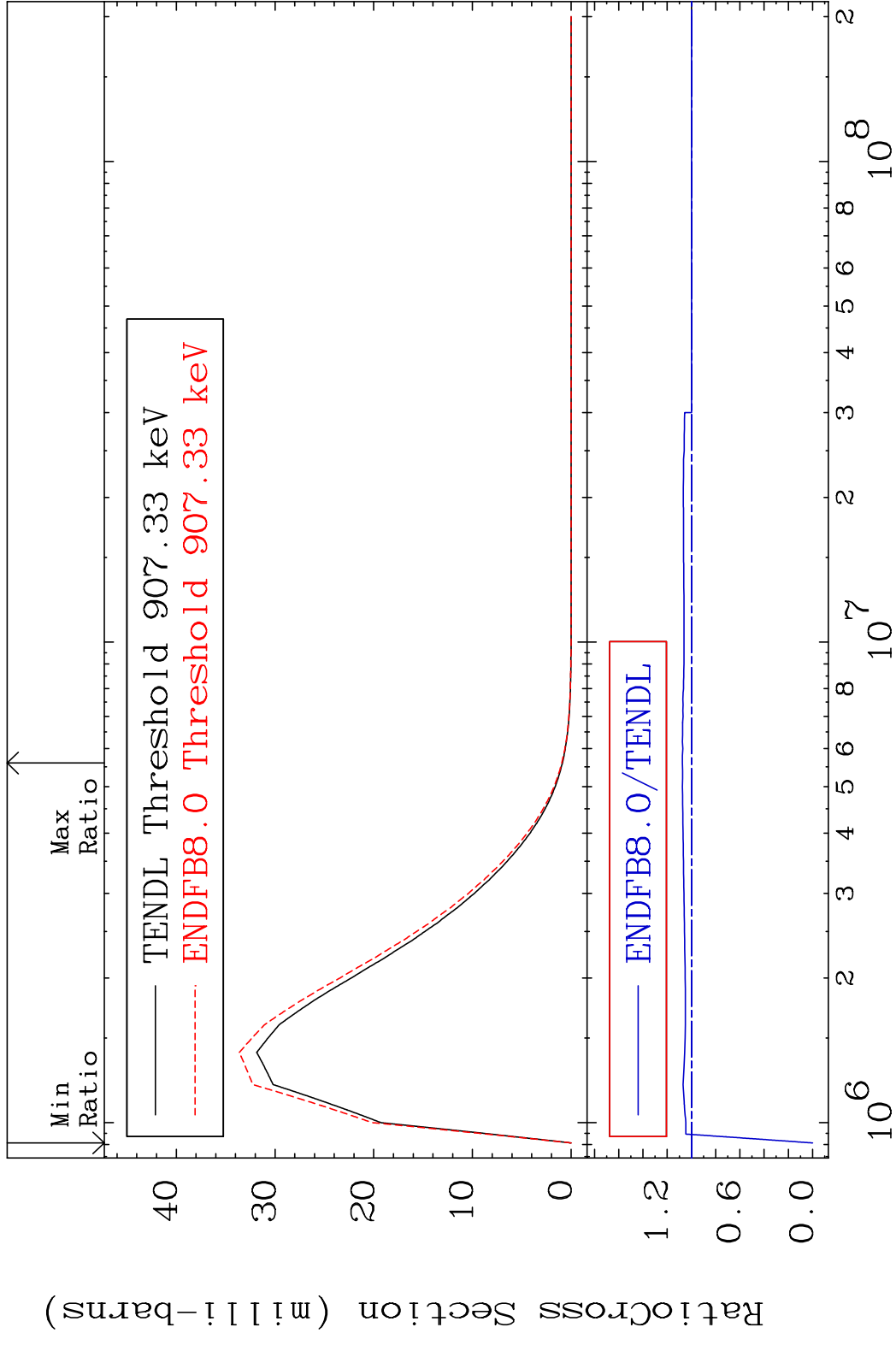
35 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 66 (n, n') Level 34-Se-75
 Cross Section -100.0 To 7.493 %



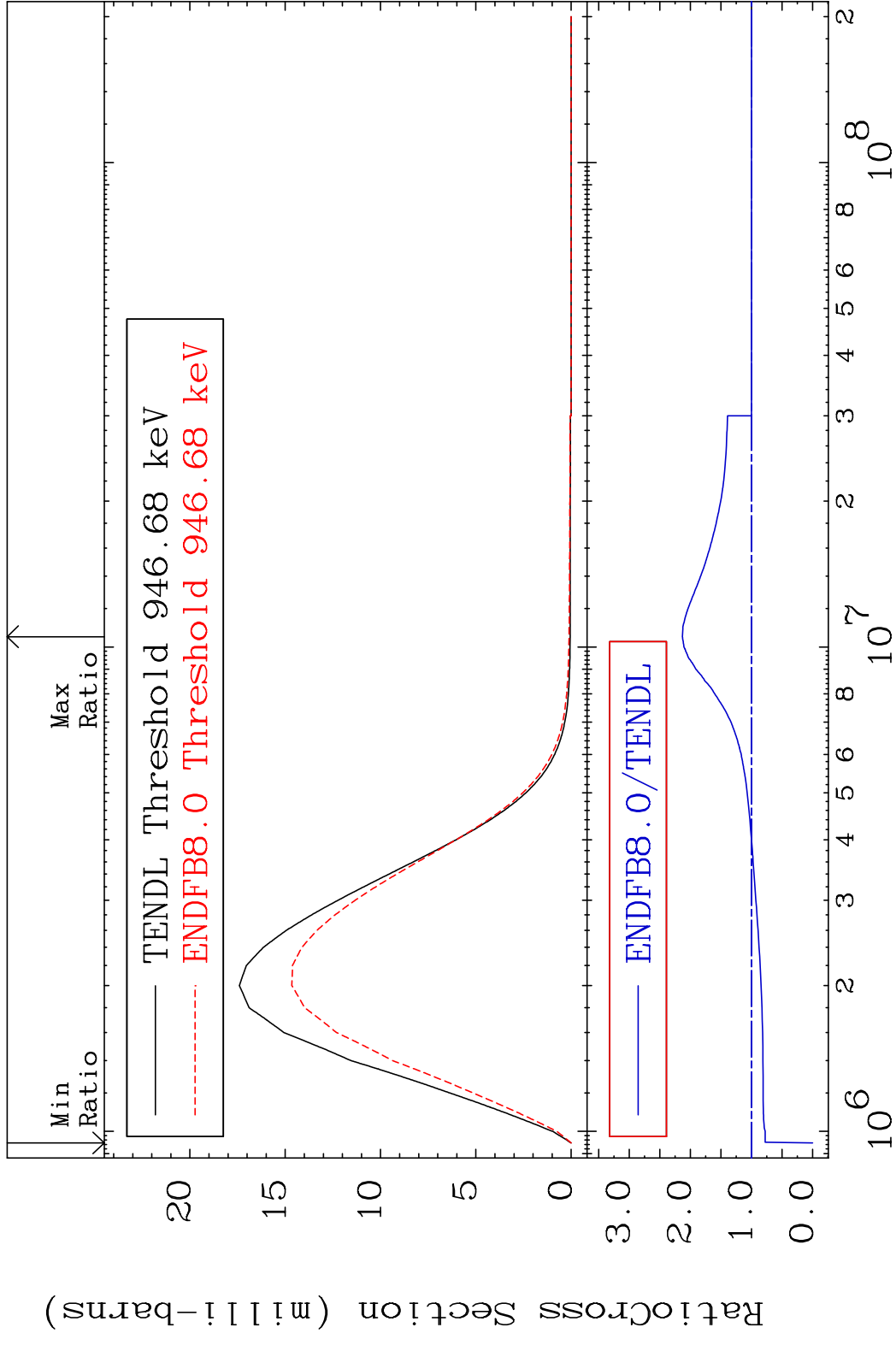
36 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 67 (n,n') Level 34-Se-75
 Cross Section -100.0 To 7.500 %

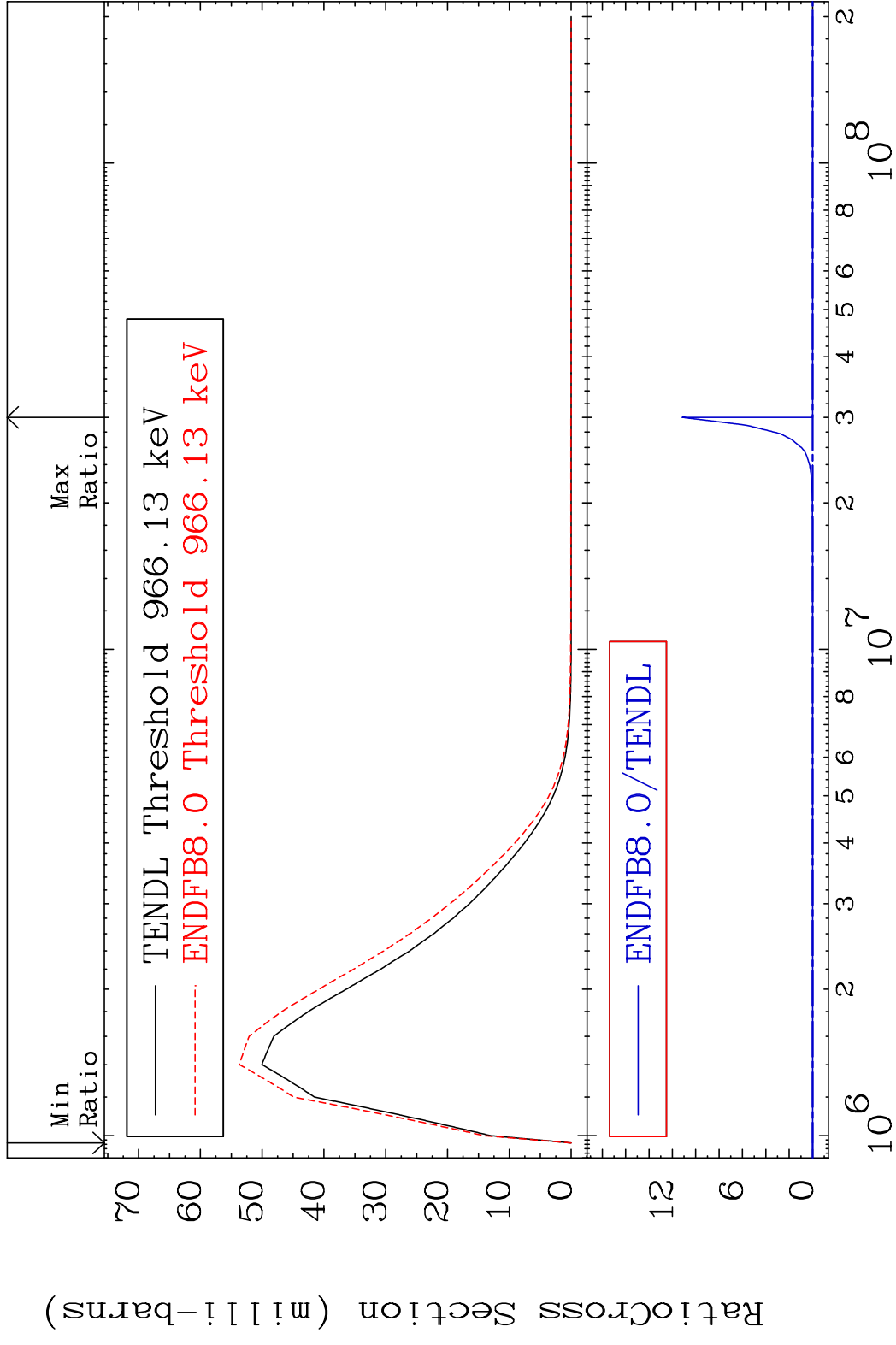


37 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 68 (n, n') Level 34-Se-75
 Cross Section -100.0 To 113.0 %

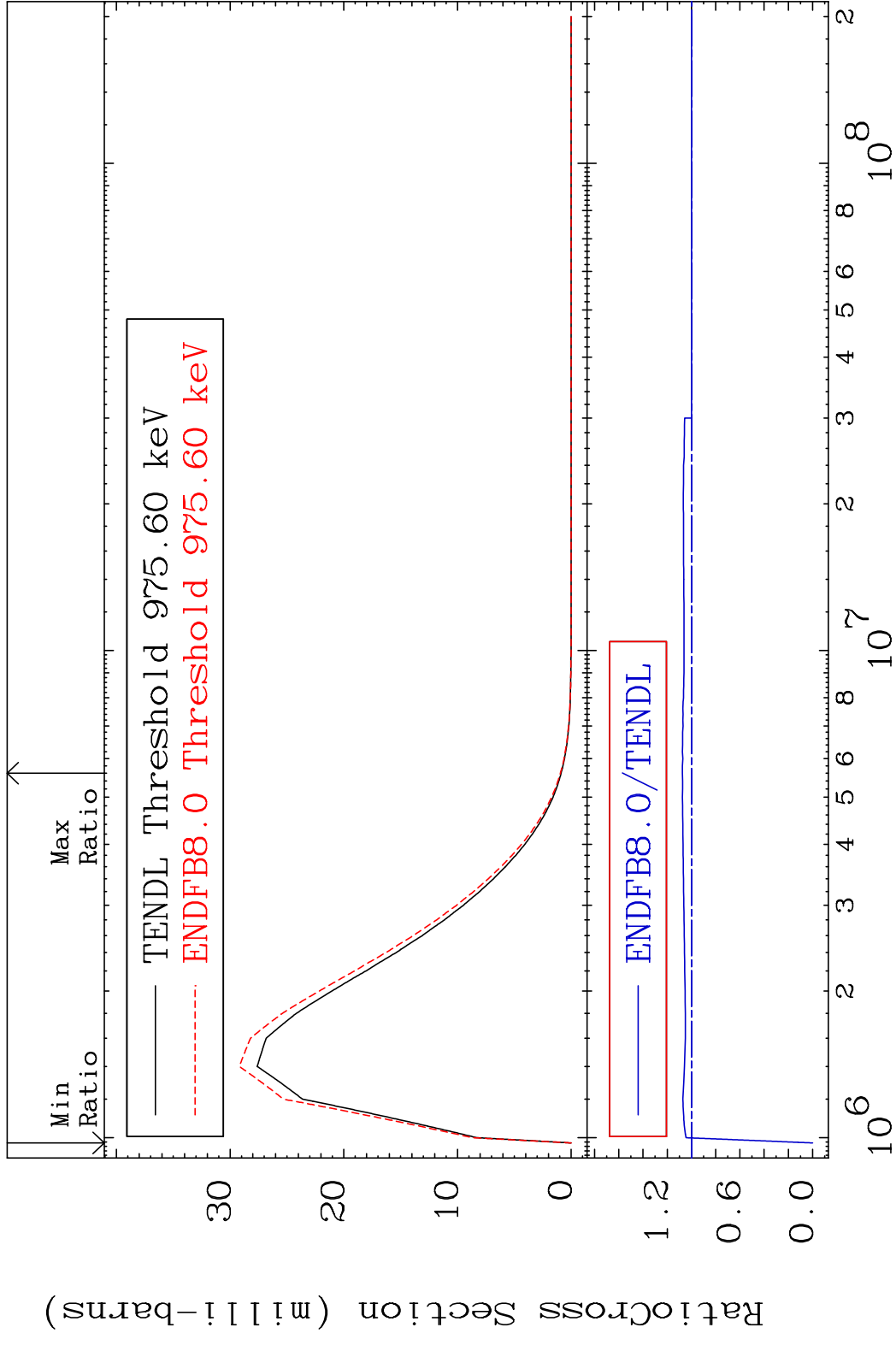


MAT 3428 MT= 69 (n, n') Level 34-Se-75
 Cross Section -100.0 To 9999. %



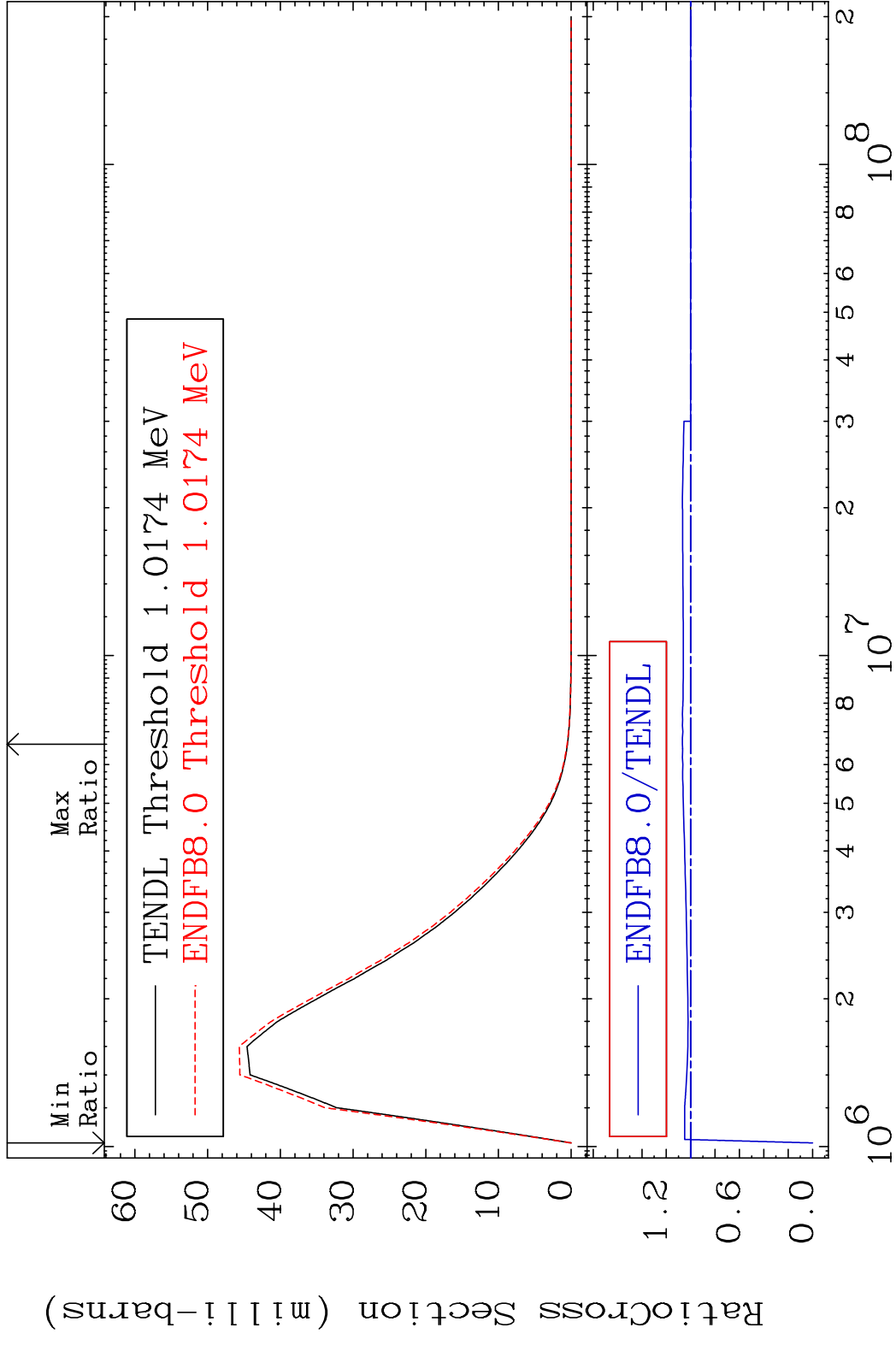
39 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 70 (n,n') Level 34-Se-75
 Cross Section -100.0 To 7.514 %



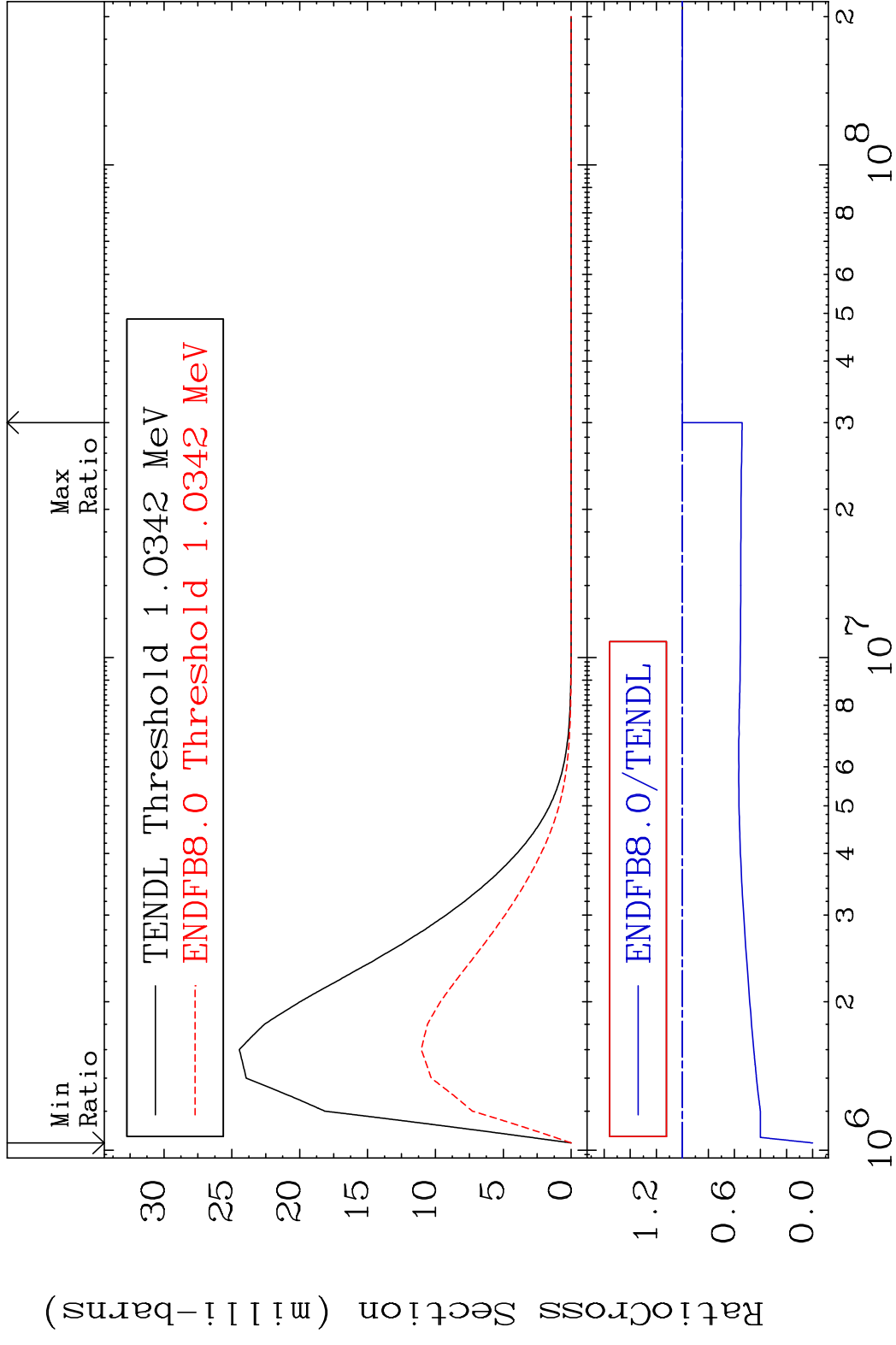
40 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 71 (n, n') Level 34-Se-75
 Cross Section -100.0 To 6.836 %



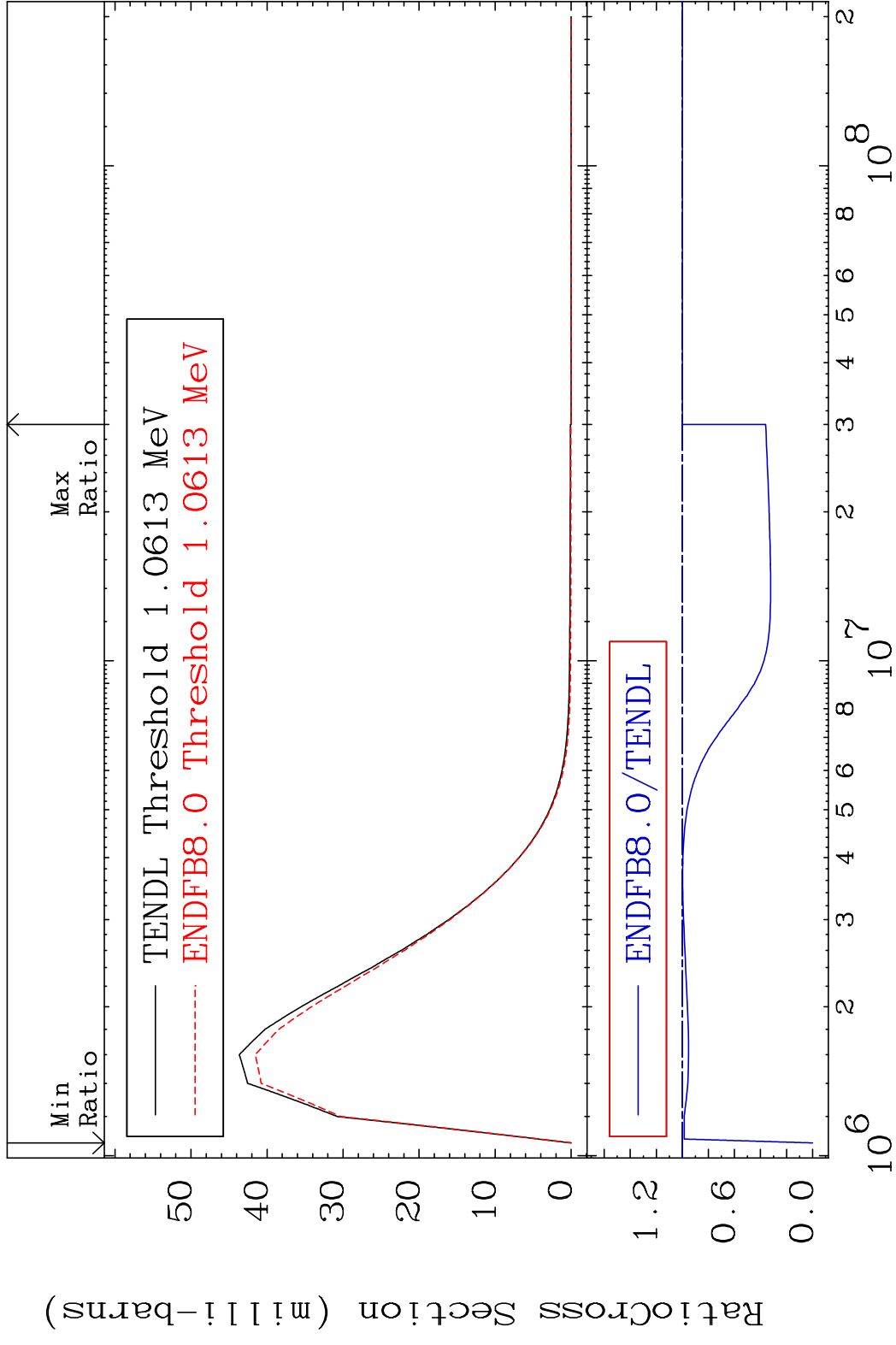
41 Incident Energy (eV) 34-Se-75

MAT 3428 MT= 72 (n, n') Level 34-Se-75
 Cross Section -100.0 To 0.000 %



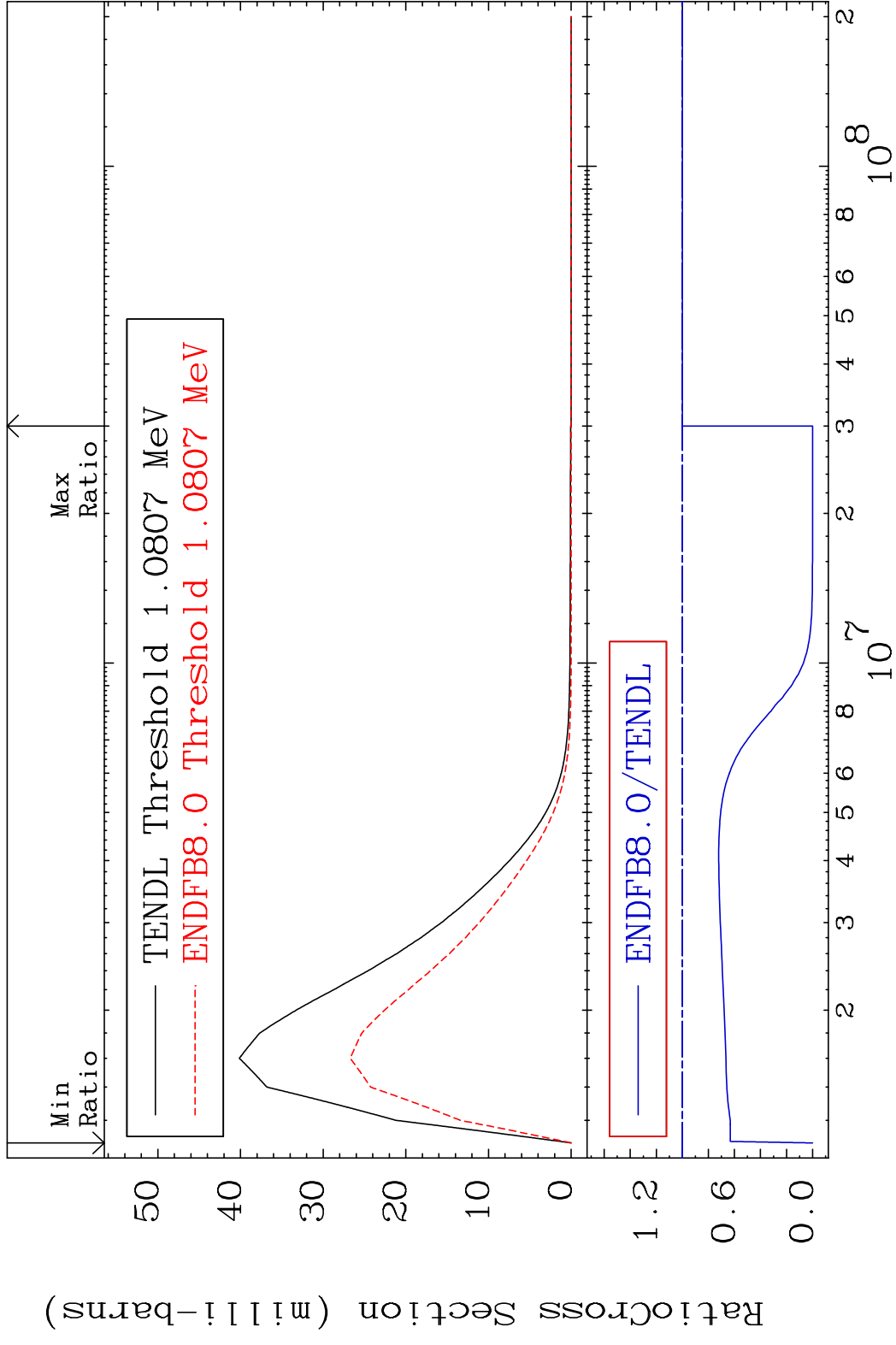
42

MAT 3428 MT= 73 (n, n') Level 34-Se-75
 Cross Section -100.0 To 0.000 %

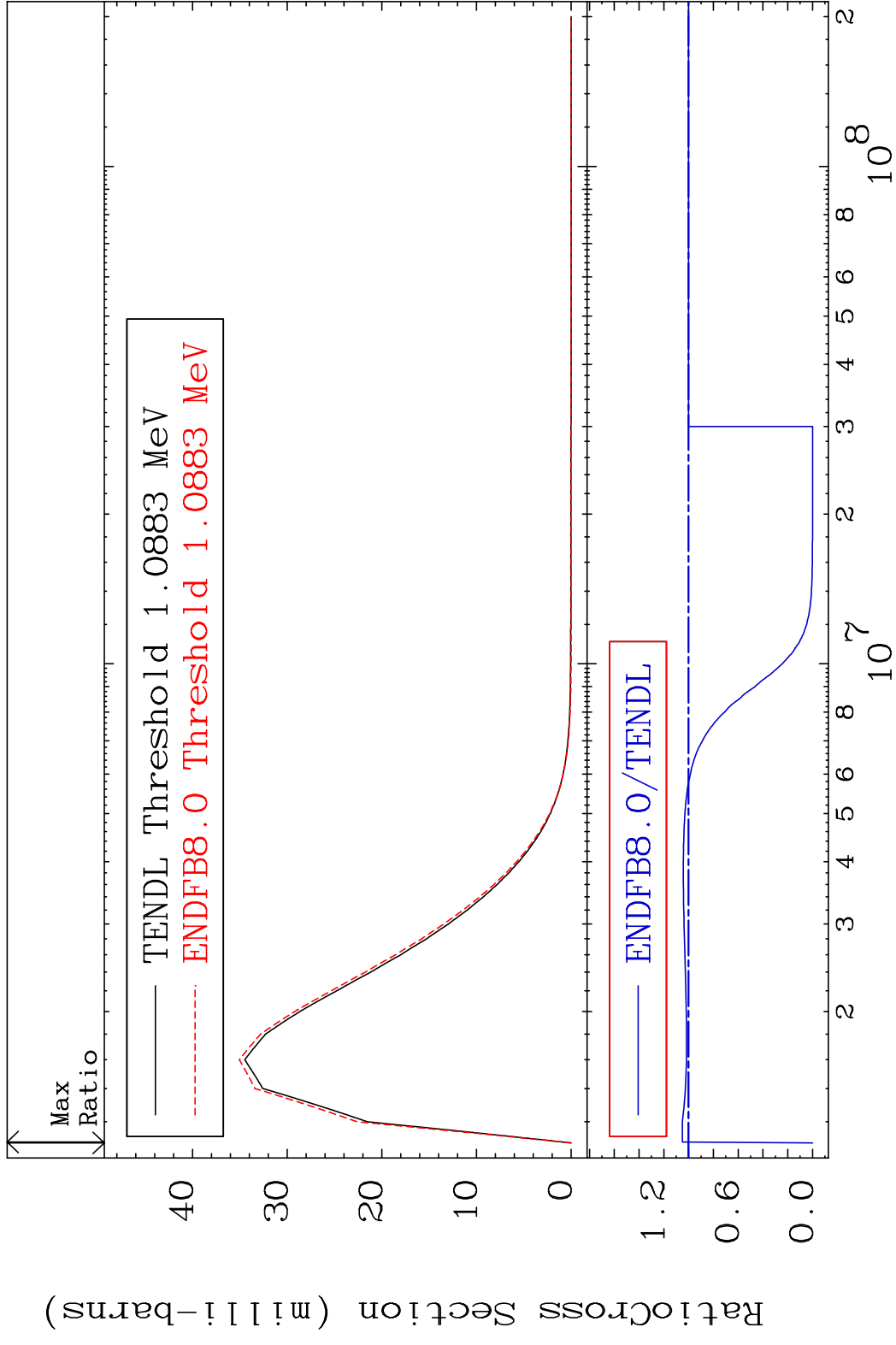


43 Incident Energy (eV) 34-Se-75

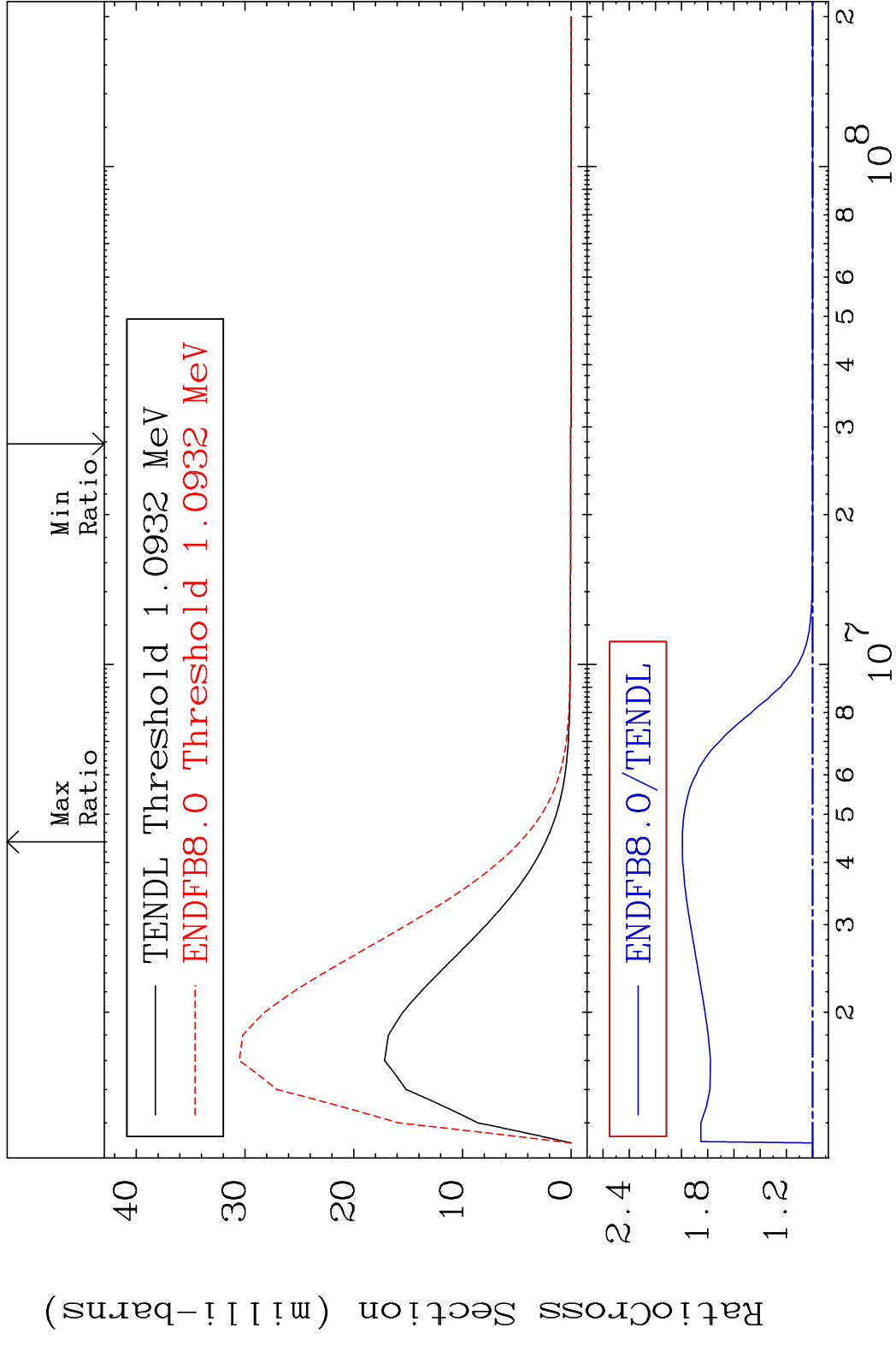
MAT 3428 MT= 74 (n, n') Level 34-Se-75
 Cross Section -100.0 To 0.000 %



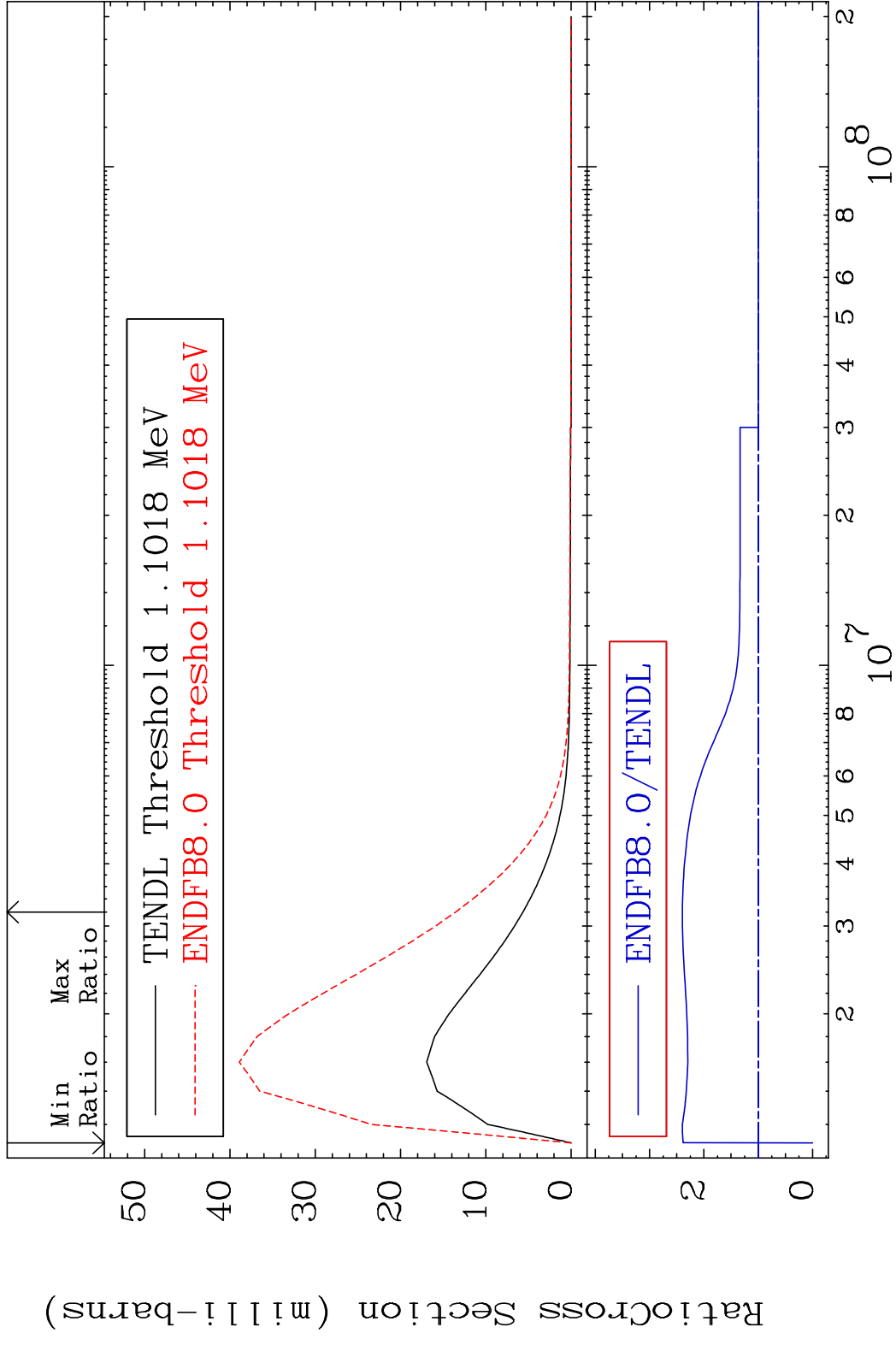
MAT 3428 MT= 75 (n, n') Level 34-Se-75
 Cross Section -100.0 To 5.050 %



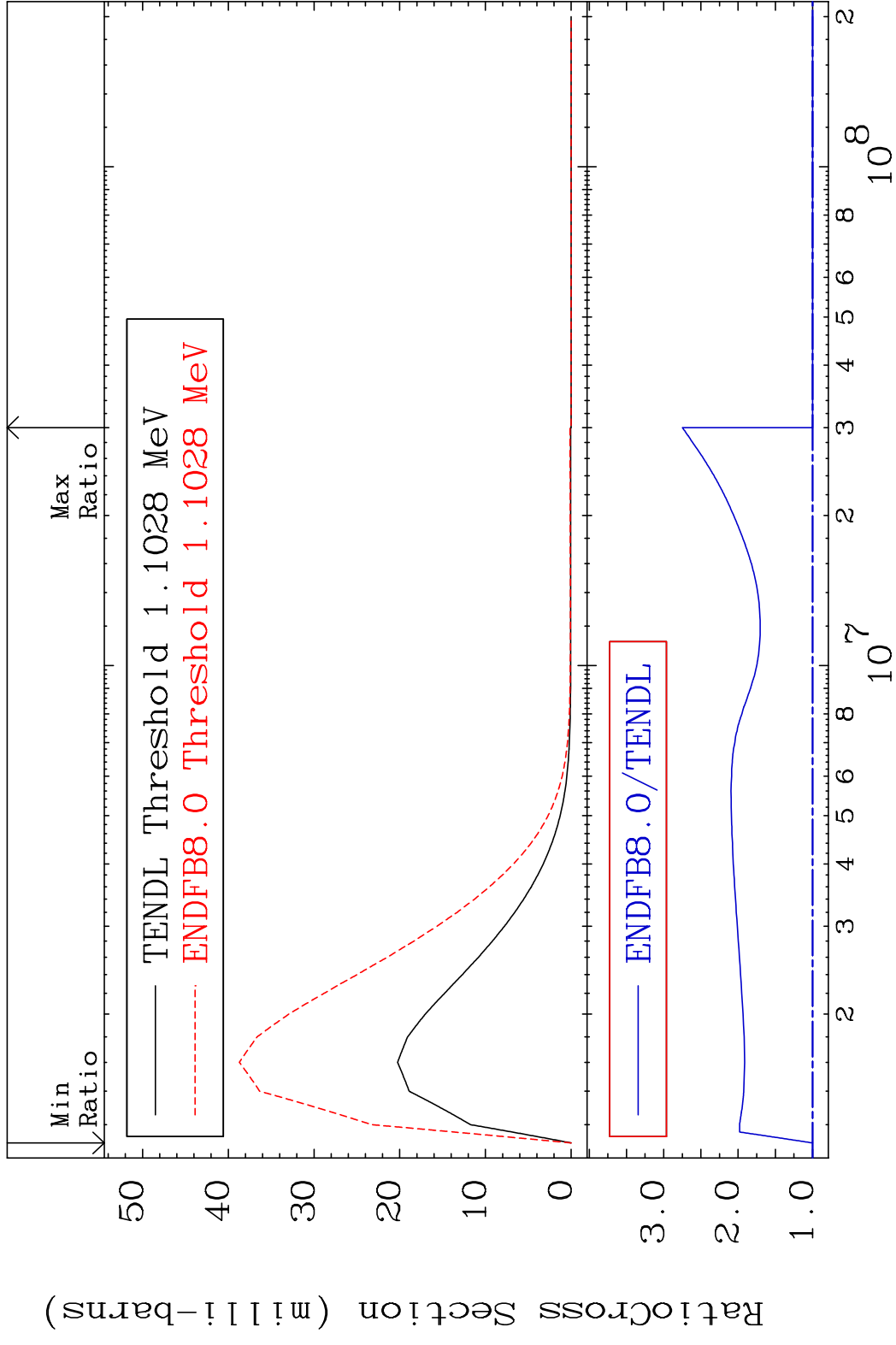
MAT 3428 MT= 76 (n,n') Level 34-Se-75
 Cross Section 0.000 To 99.40 %



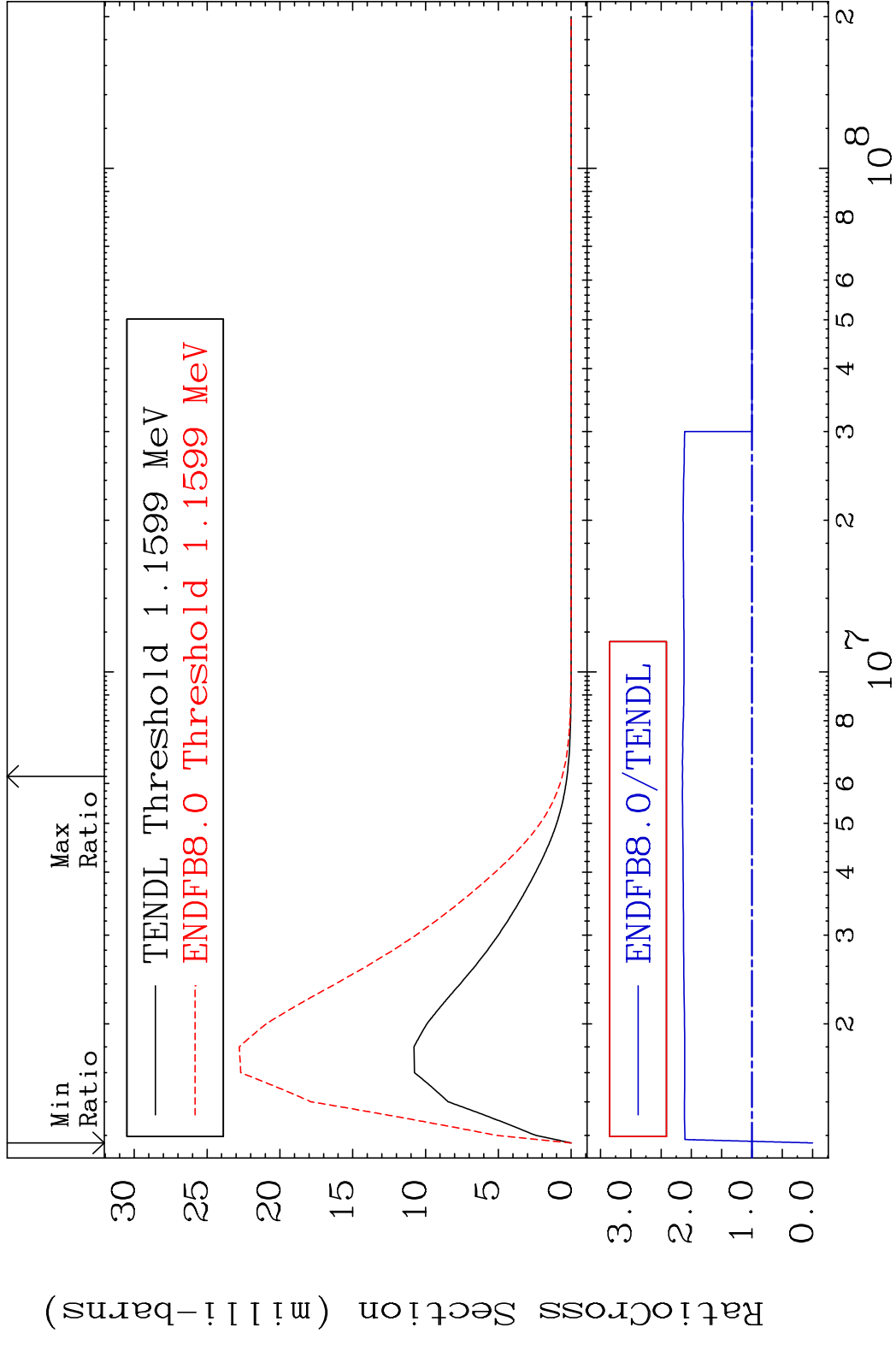
MAT 3428 MT= 77 (n, n') Level 34-Se-75
 Cross Section -100.0 To 139.6 %



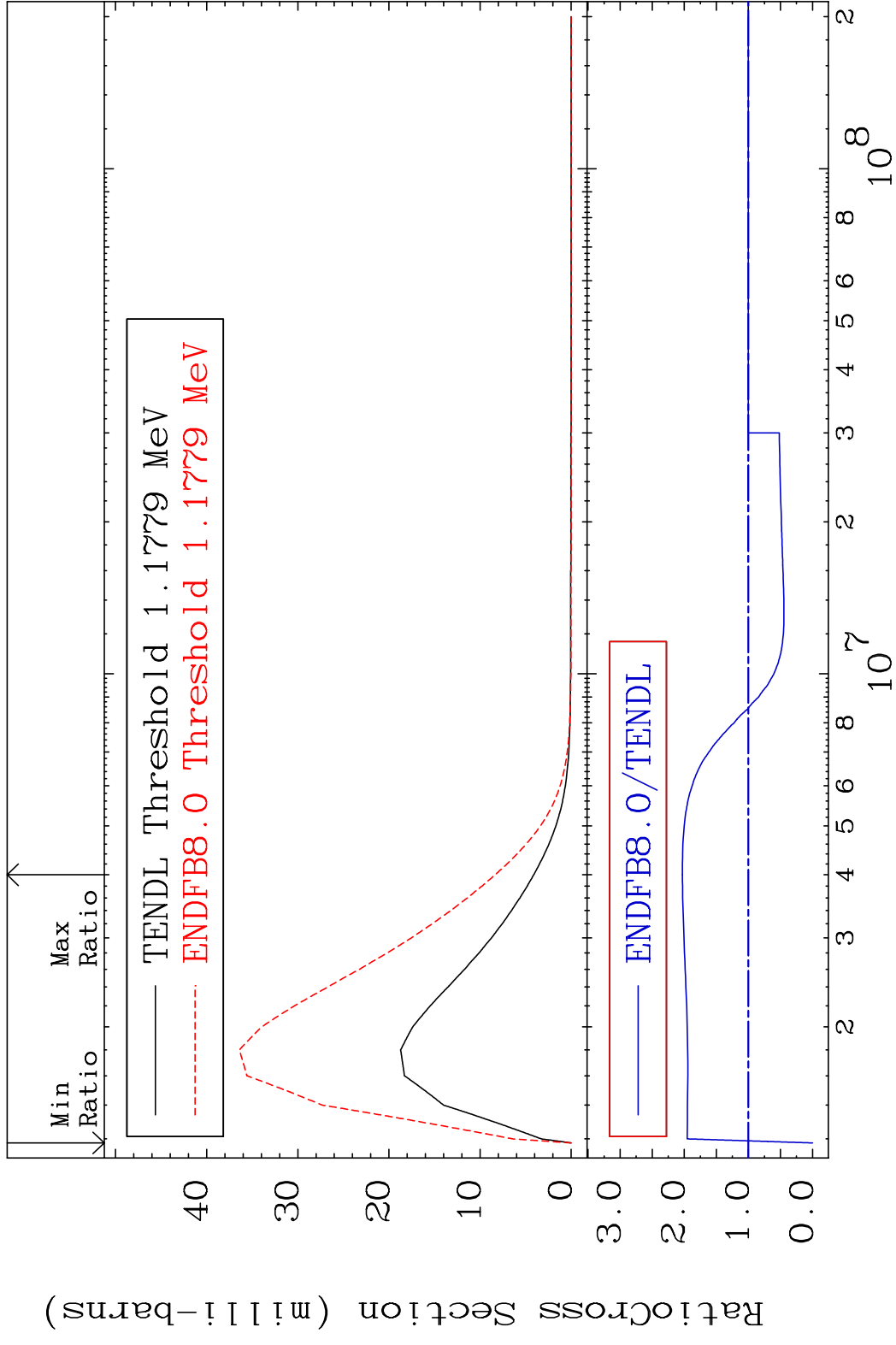
MAT 3428 MT= 78 (n, n') Level 34-Se-75
 Cross Section 0.000 To 174.9 %



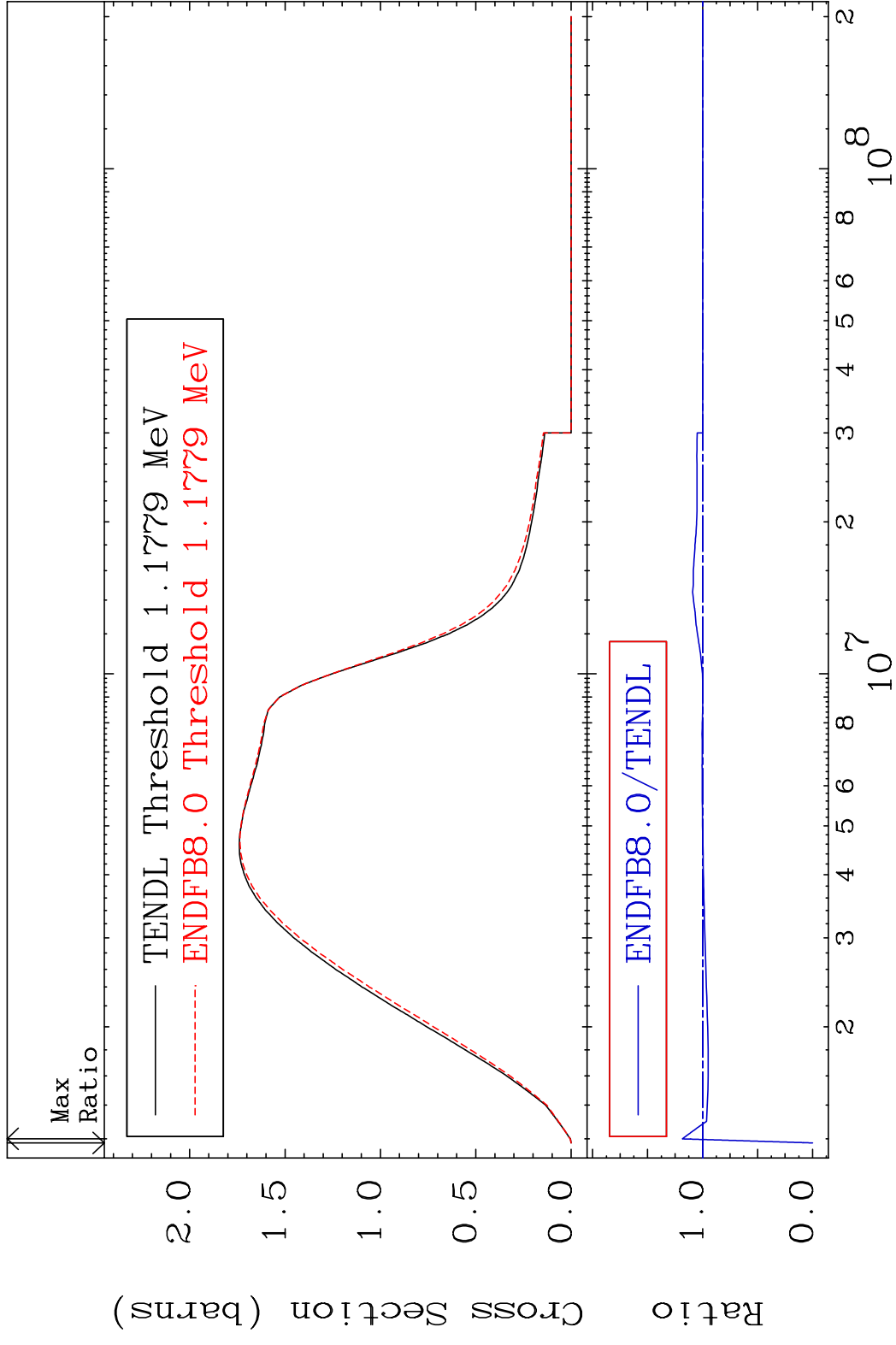
MAT 3428 MT= 79 (n, n') Level 34-Se-75
 Cross Section -100.0 To 114.9 %



MAT 3428 MT= 80 (n, n') Level 34-Se-75
 Cross Section -100.0 To 103.0 %



MAT 3428 (n, n') Continuum 34-Se-75
 Cross Section -100.0 To 18.40 %

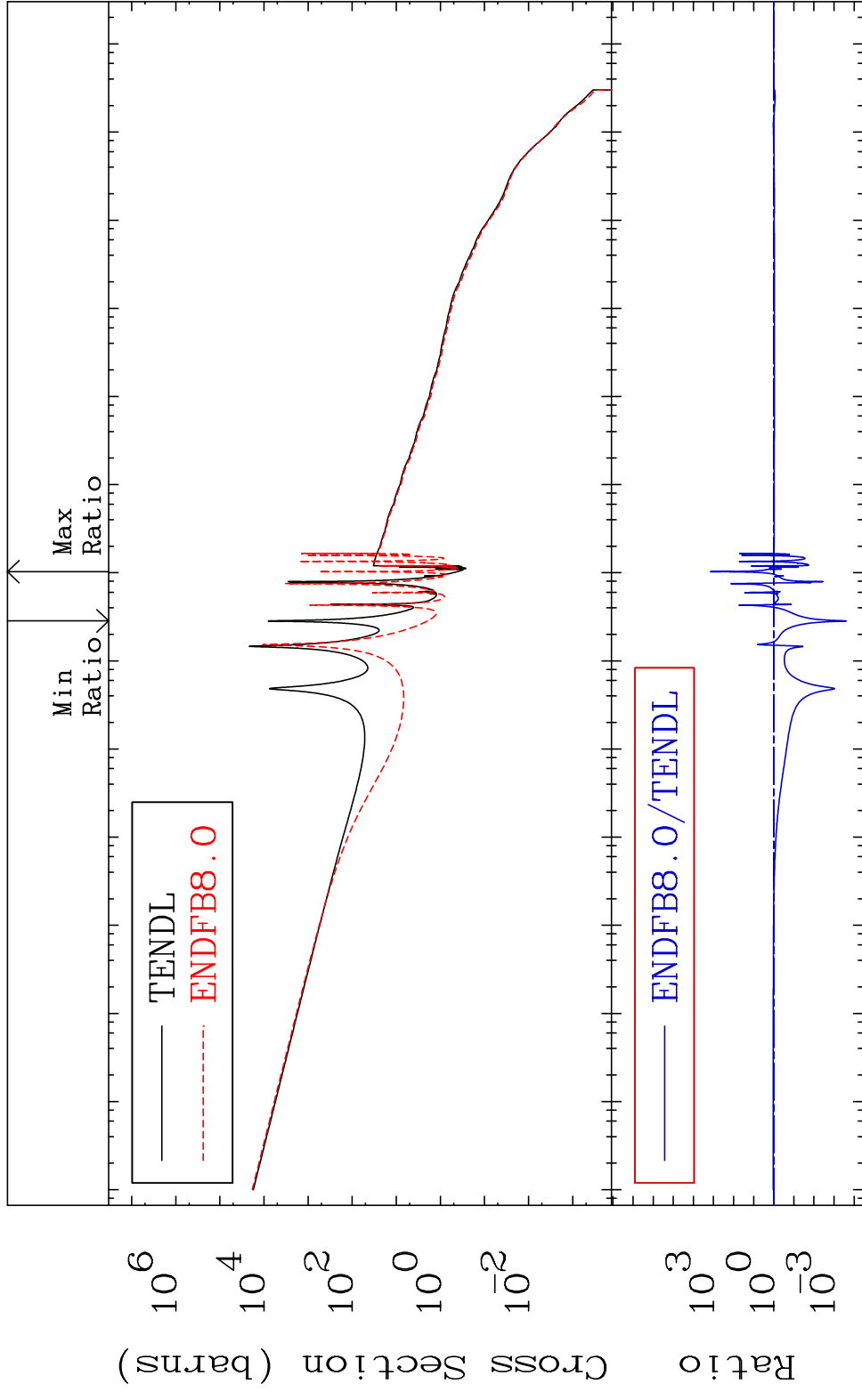


MAT 3428

34-Se-75

(n, γ)

Cross Section -99.98 To 9999. %

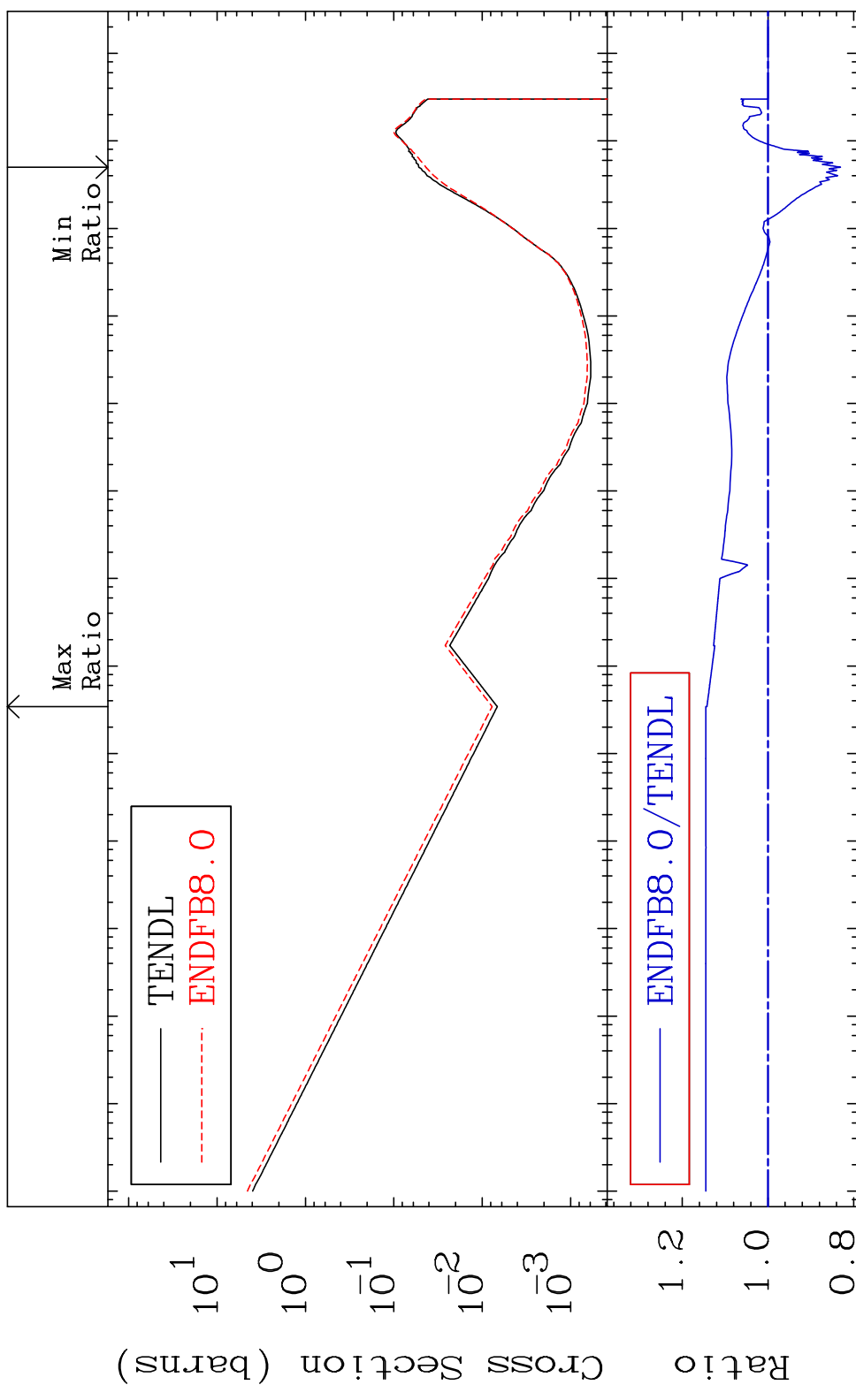


MAT 3428

(n, p)

34-Se-75

Cross Section -16.91 To 14.52 %



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

53

Incident Energy (eV)

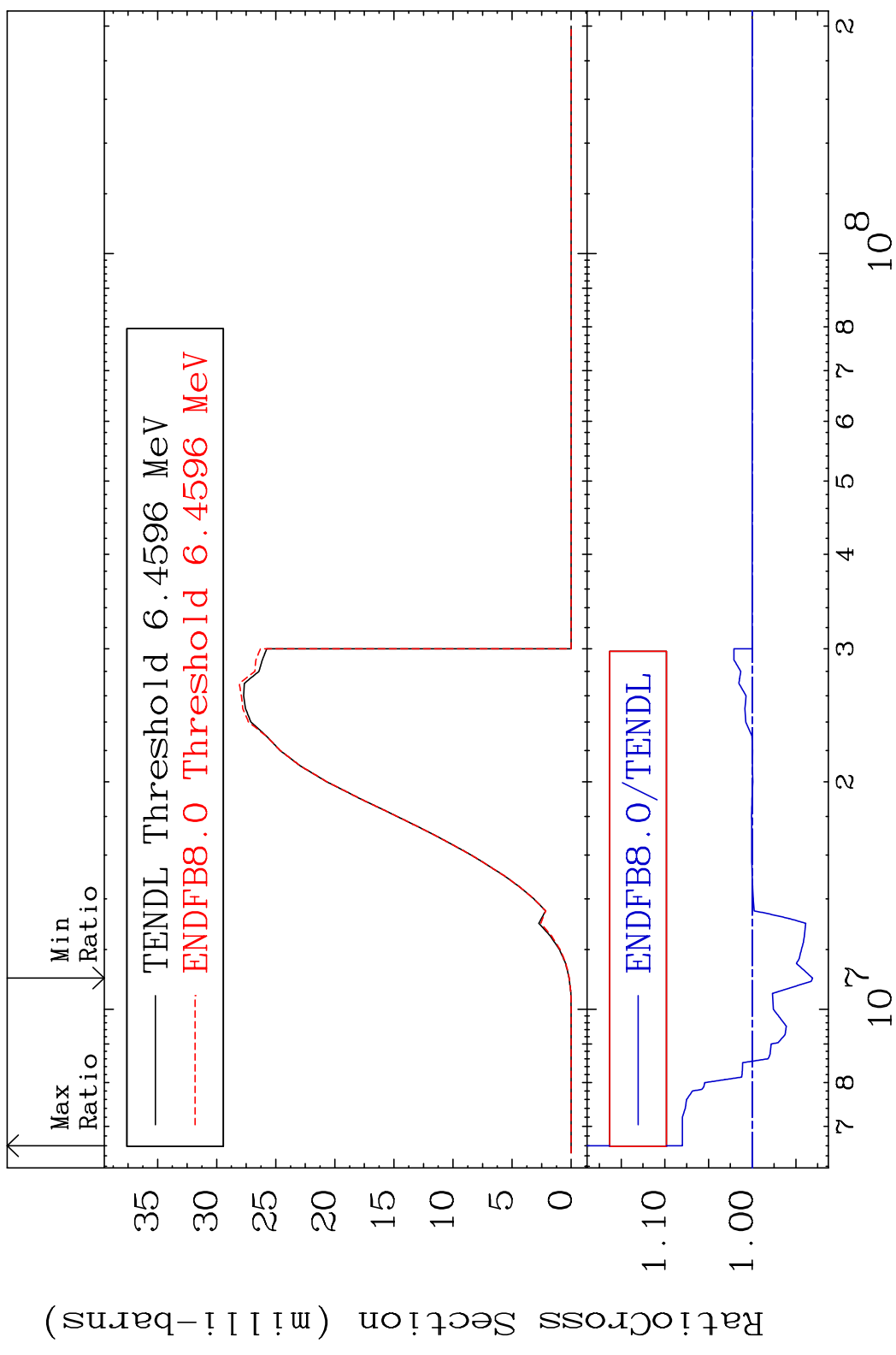
34-Se-75

MAT 3428

(n,d)

34-Se-75

Cross Section -6.909 To 7.997 %

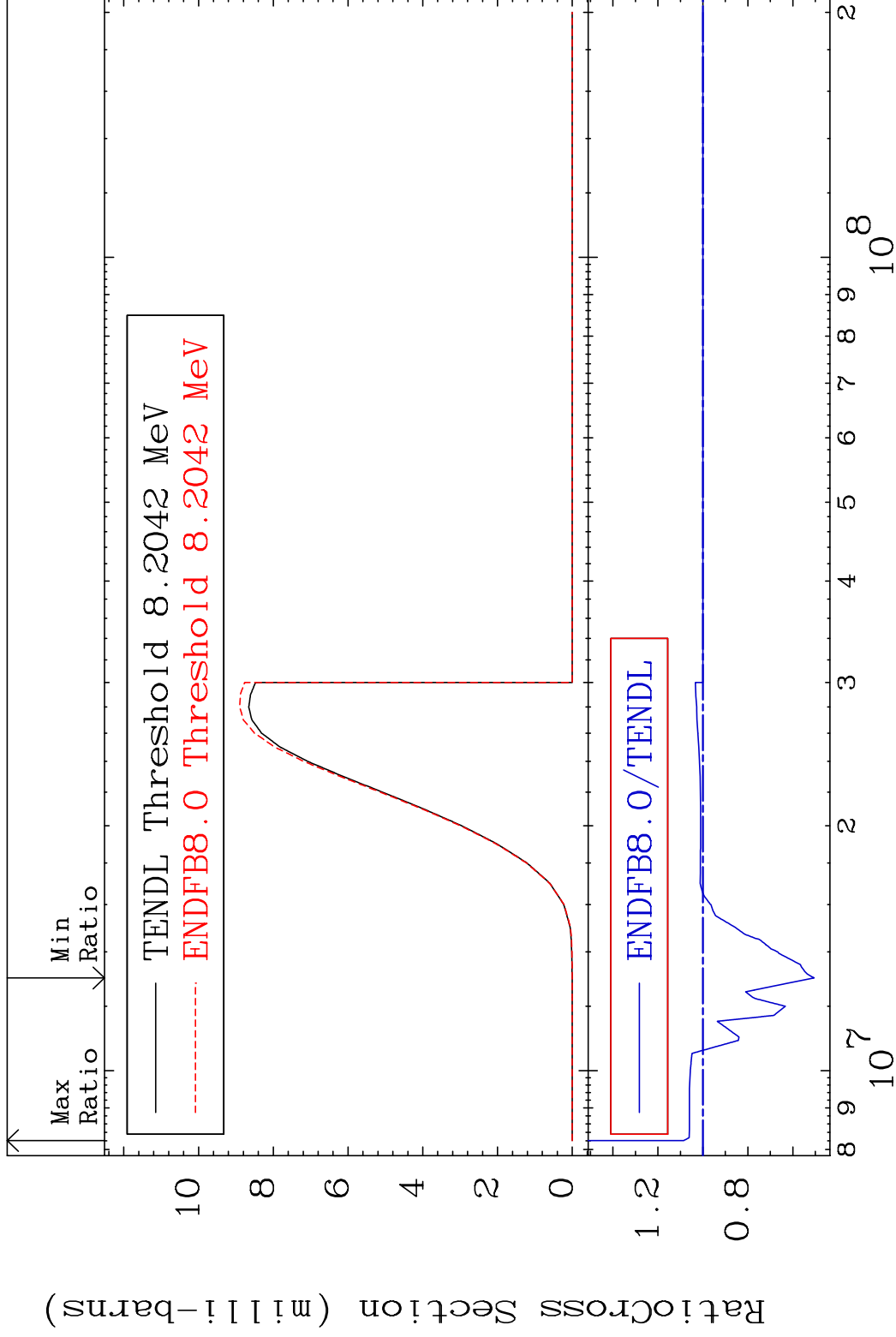


MAT 3428

(n, t)

34-Se-75

Cross Section -49.46 To 8.560 %

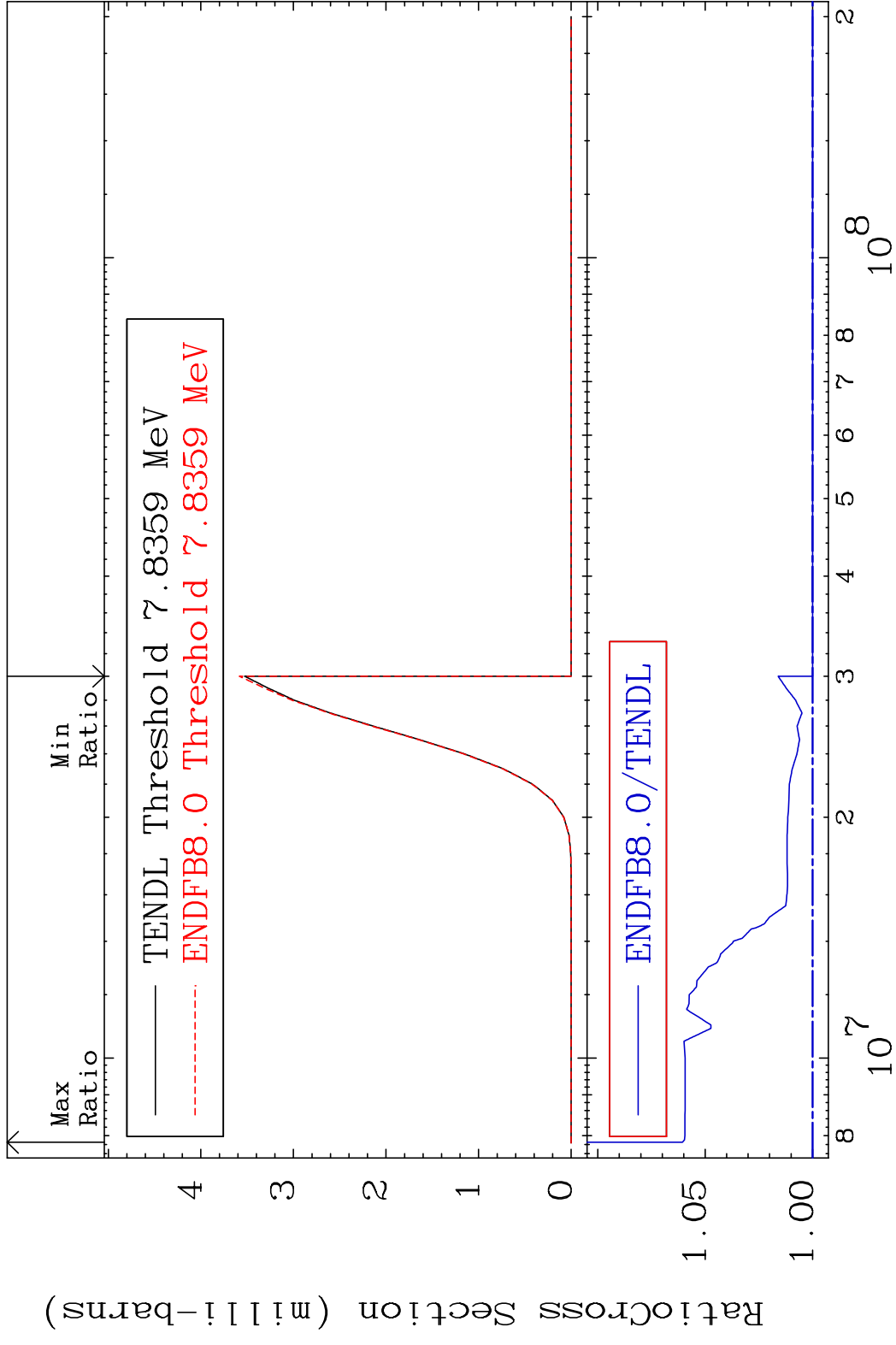


55

Incident Energy (eV)

34-Se-75

MAT 3428 (n, He-3) 34-Se-75
 Cross Section 0.000 To 6.064 %

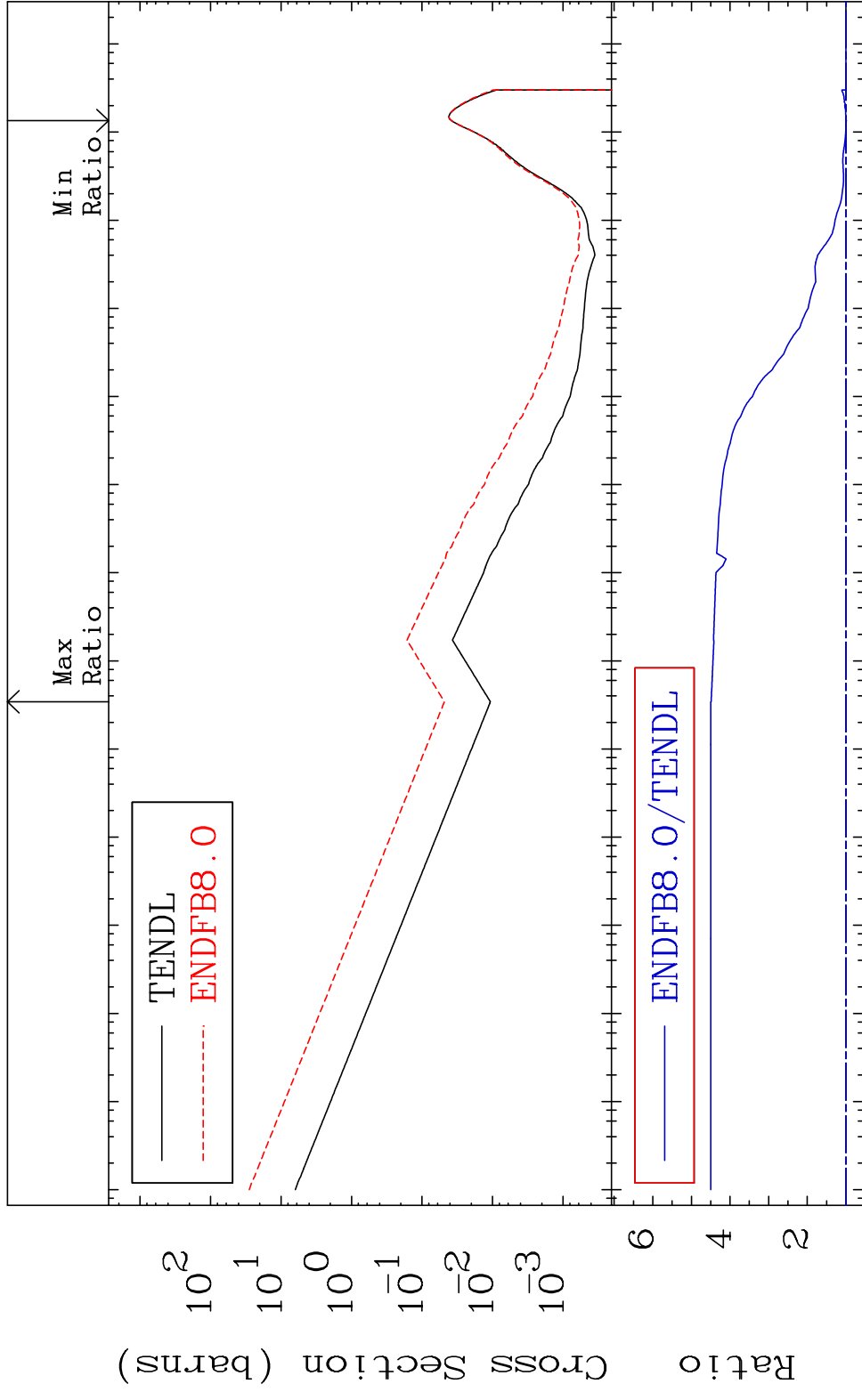


MAT 3428

34-Se-75

(n, α)

Cross Section -1.195 To 350.0 %

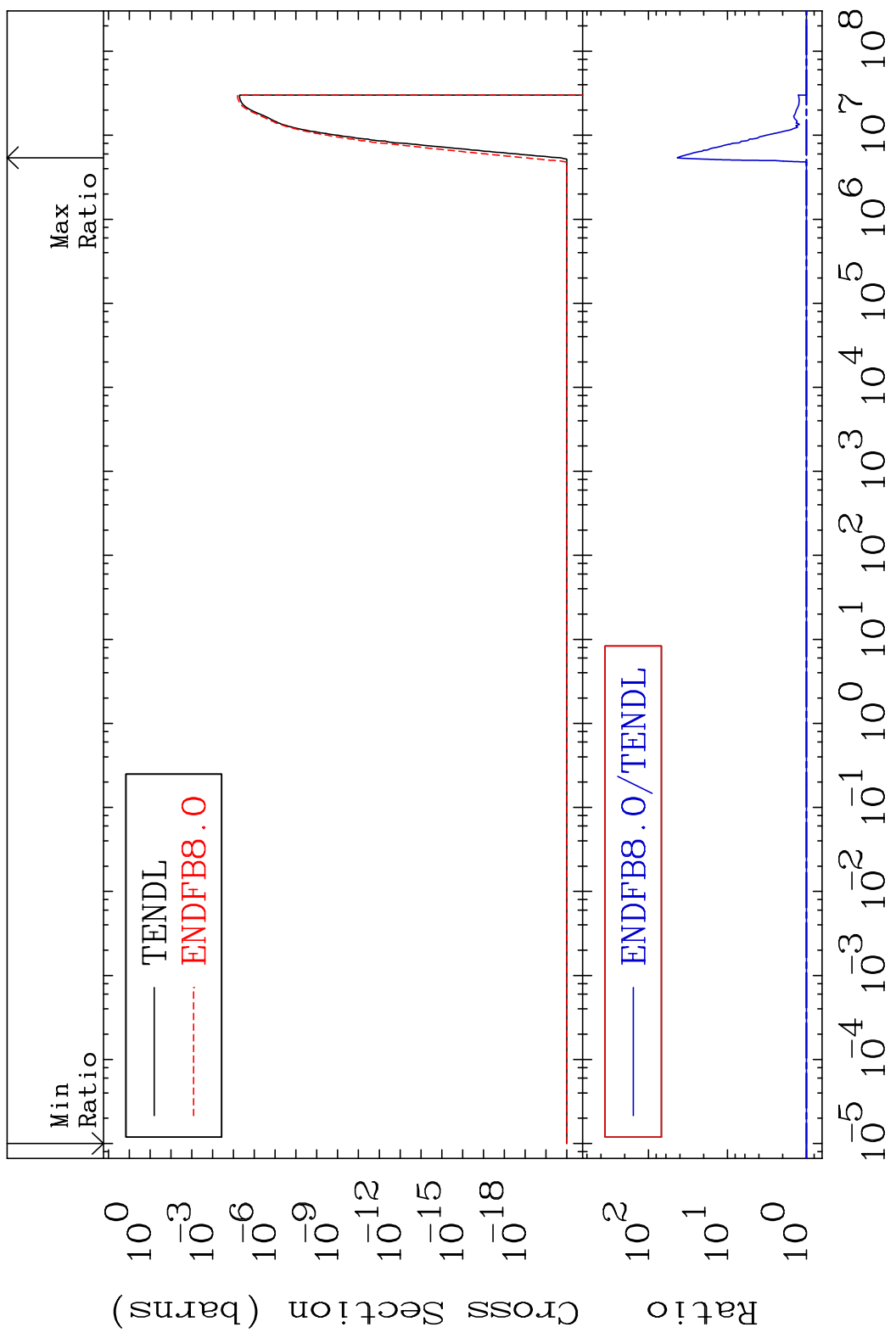


MAT 3428

(n,2α)

34-Se-75

Cross Section 0.000 To 4225. %

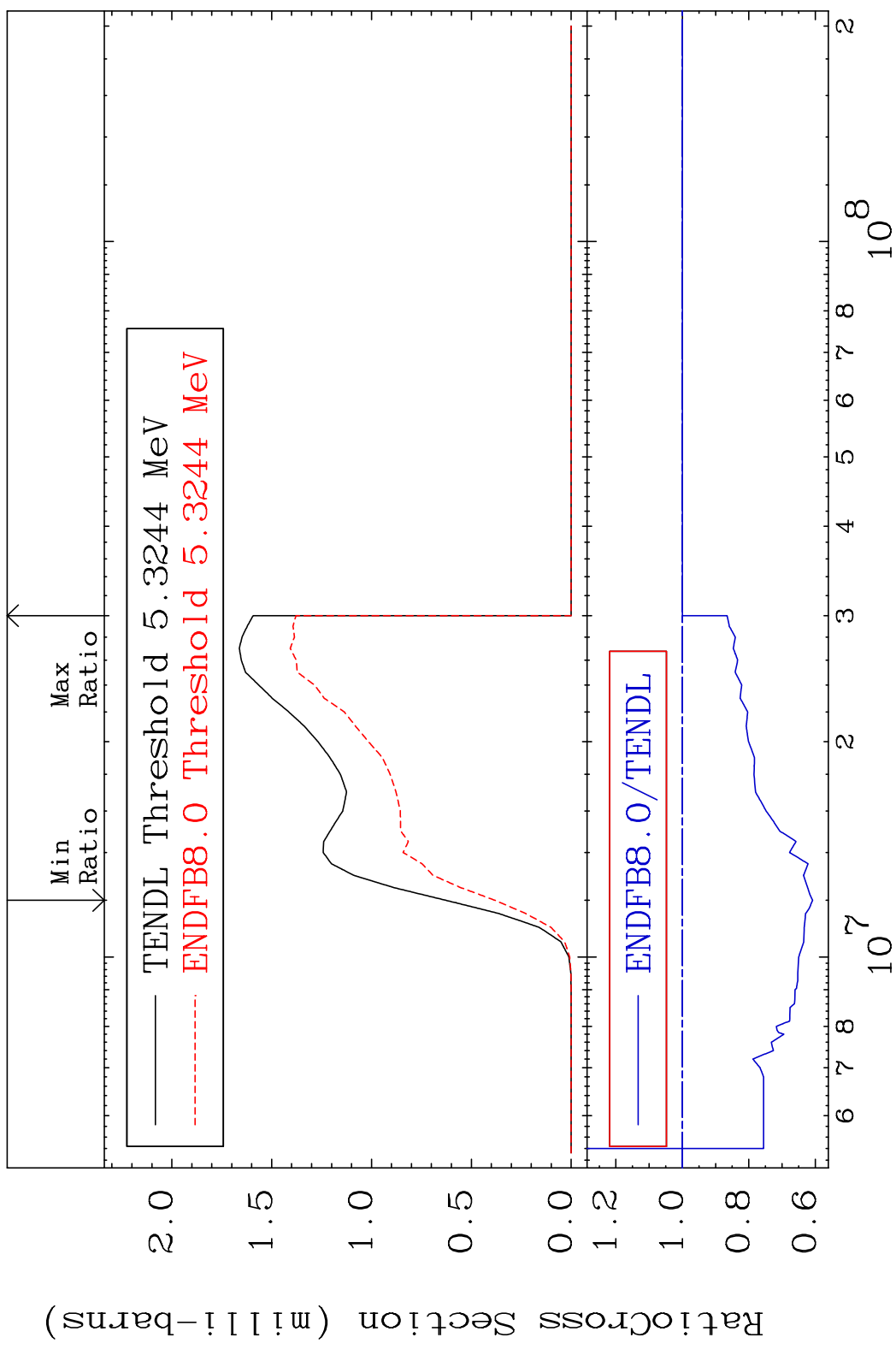


MAT 3428

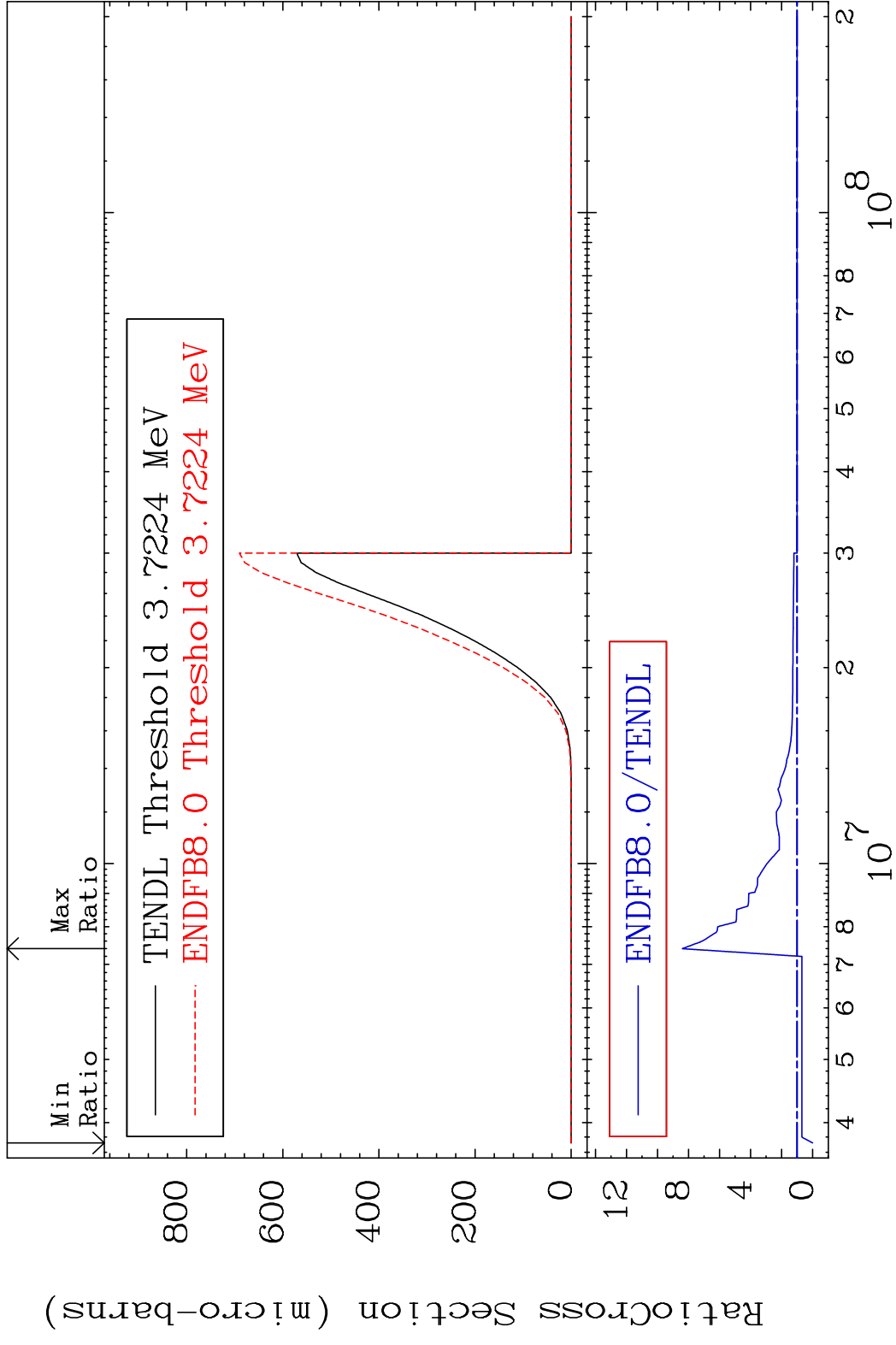
(n,2p)

34-Se-75

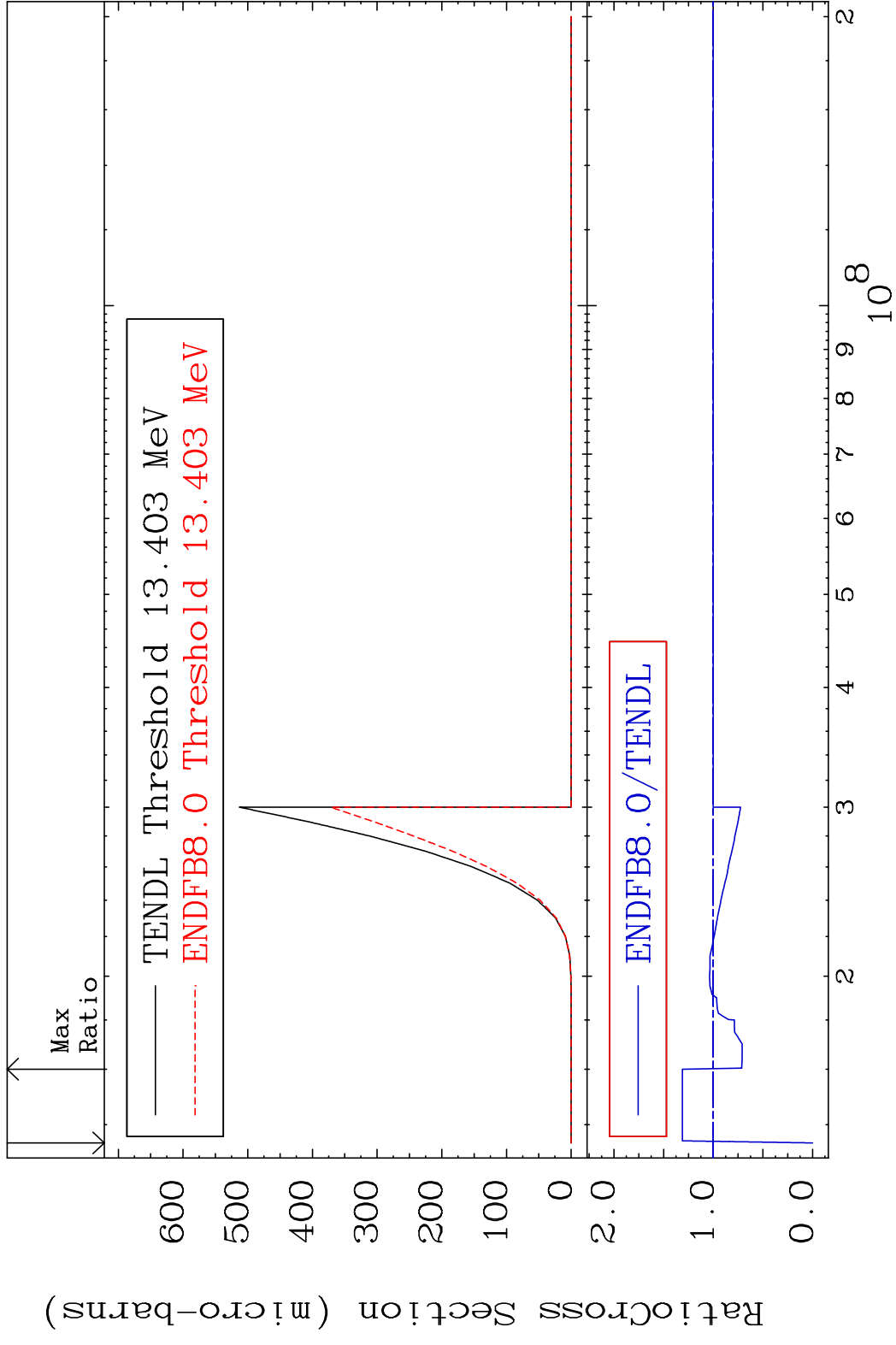
Cross Section -39.18 To 0.000 %



MAT 3428 (n,p) α 34-Se-75
 Cross Section -100.0 To 739.5 %



MAT 3428 (n,p) d 34-Se-75
 Cross Section -100.0 To 31.14 %

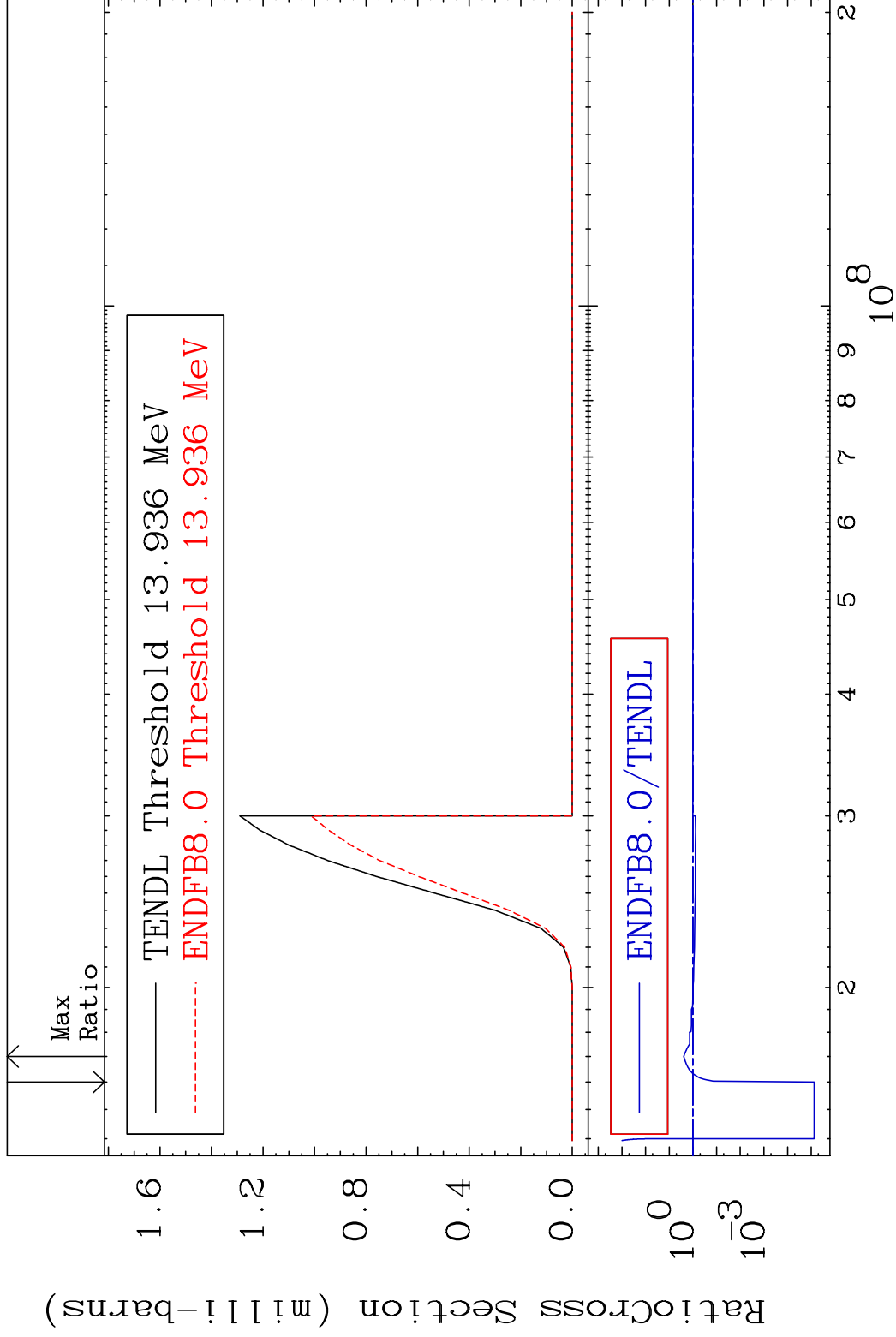


MAT 3428

(n,p) t

³⁴Se-75

Cross Section -100.0 To 146.2 %

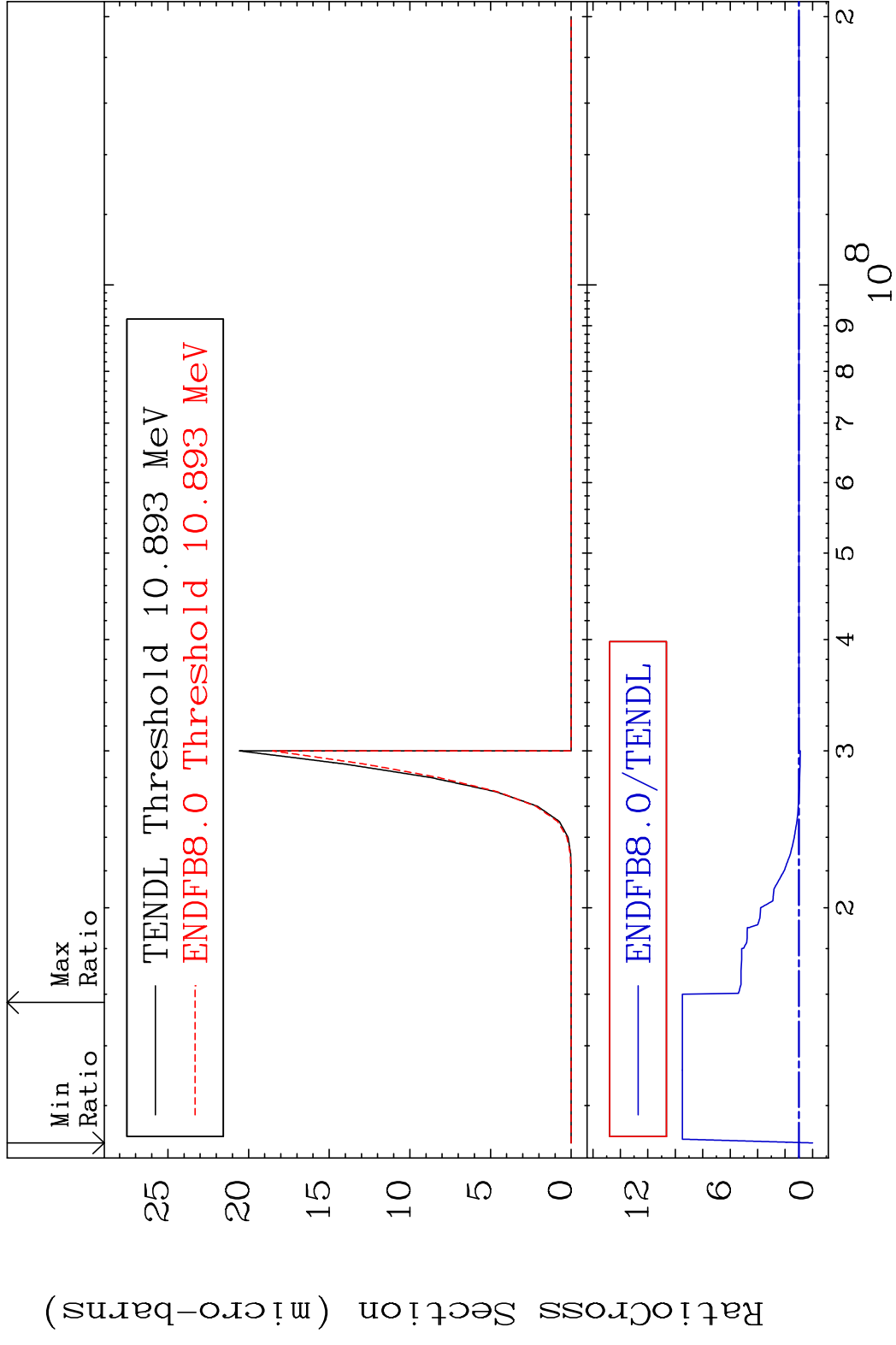


62

Incident Energy (eV)

³⁴Se-75

MAT 3428 (n,d) α ³⁴Se-75
 Cross Section -100.0 To 848.5 %

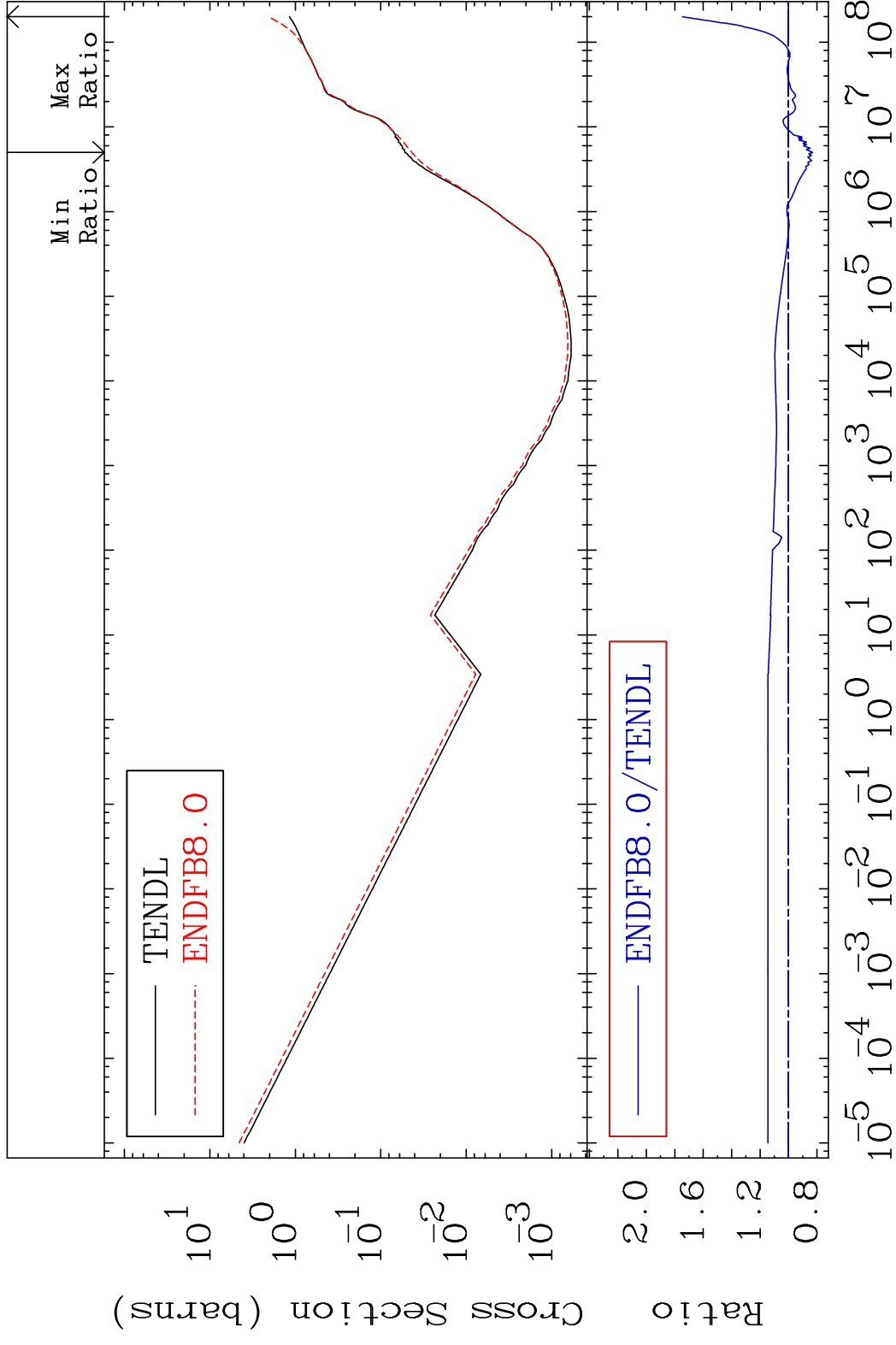


MAT 3428

Hydrogen Production

³⁴Se-75

Cross Section -16.91 To 74.66 %

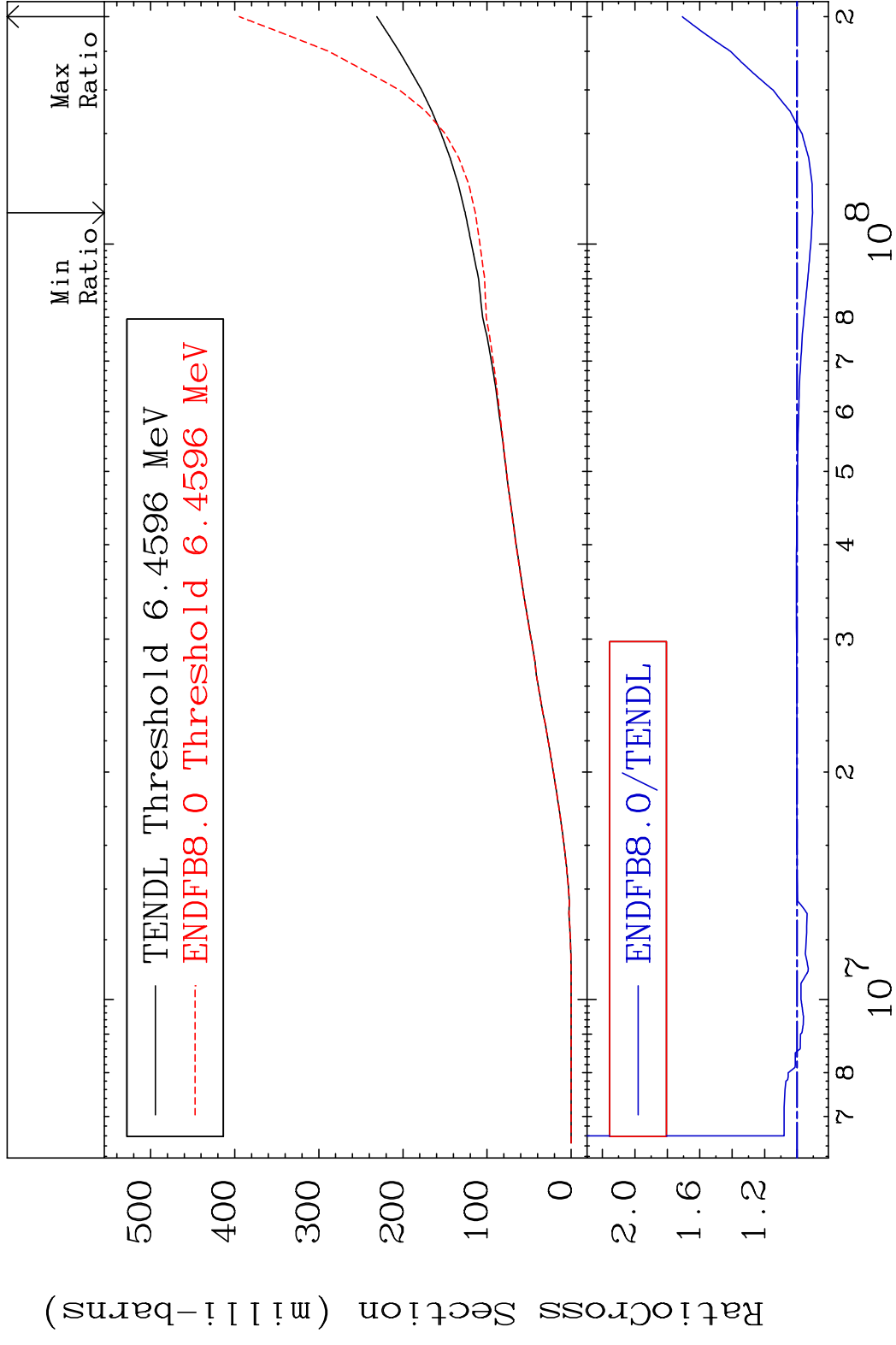


MAT 3428

Deuterium Production

34-Se-75

Cross Section -9.534 To 70.72 %



65

Incident Energy (eV)

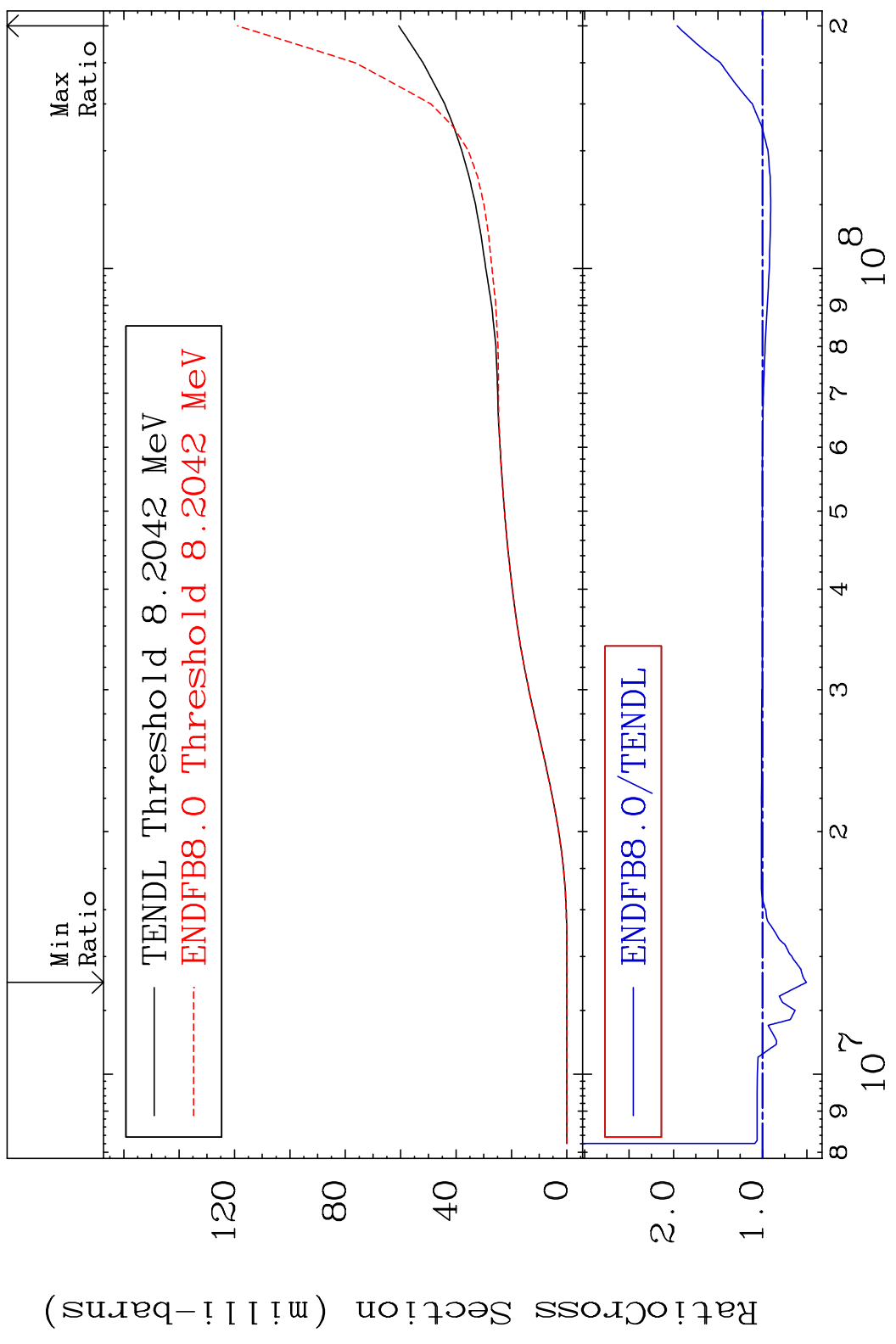
34-Se-75

MAT 3428

Tritium Production

34-Se-75

Cross Section -49.46 To 95.89 %



66

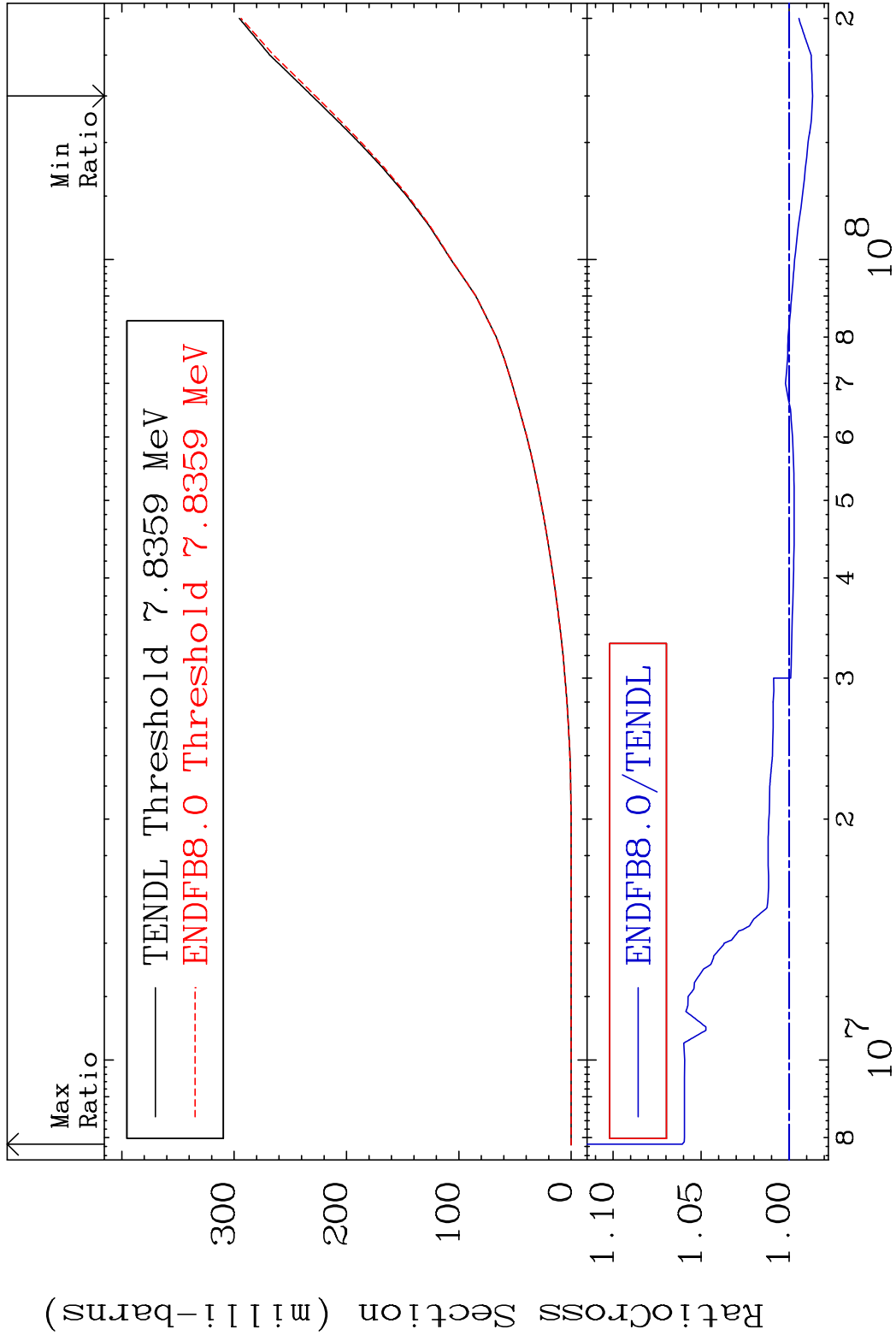
34-Se-75

MAT 3428

He-3 Production

34-Se-75

Cross Section -1.331 To 6.064 %

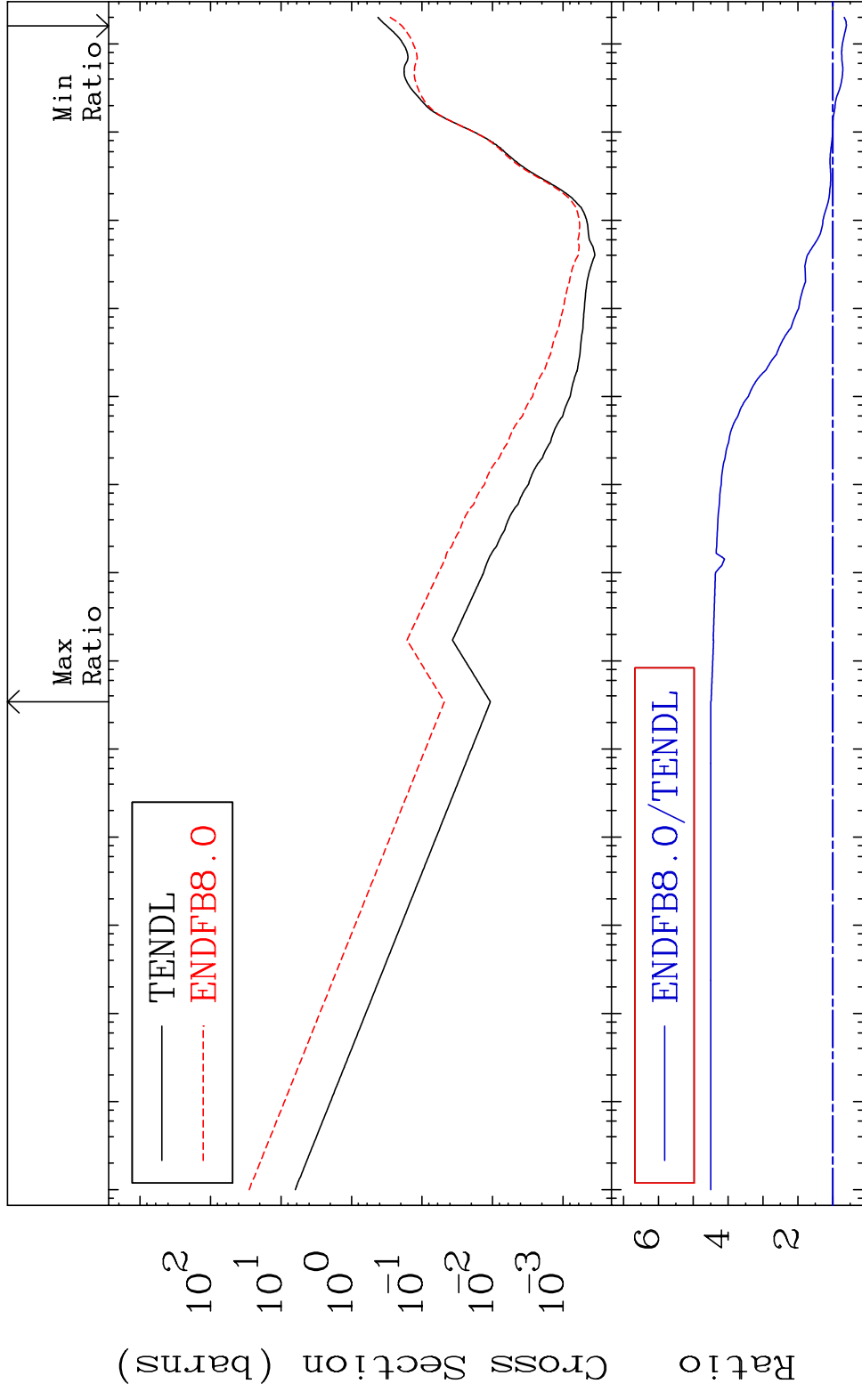


67

Incident Energy (eV)

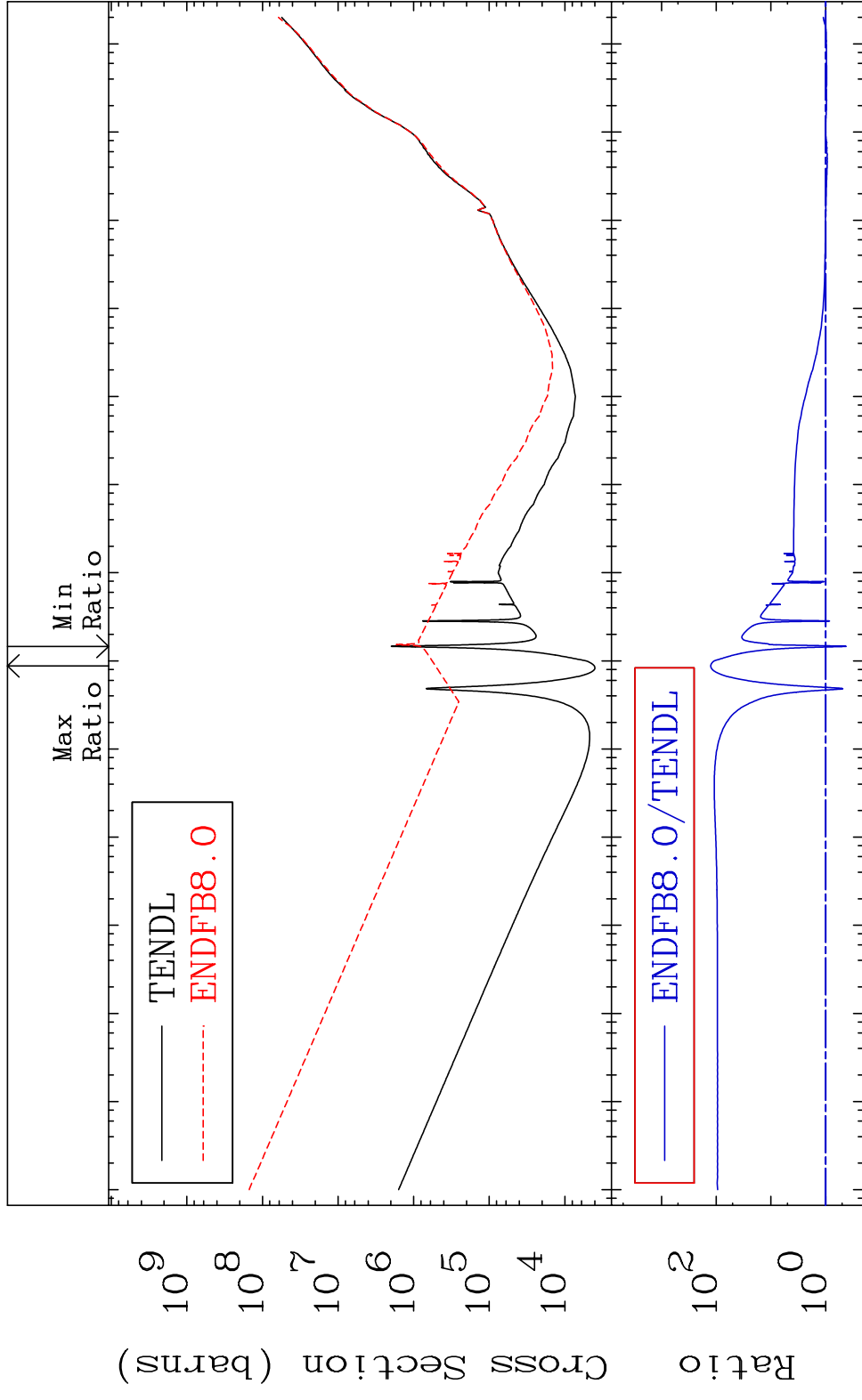
34-Se-75

MAT 3428 He-4 Production 34-Se-75
 Cross Section -38.95 To 350.0 %



68 Incident Energy (eV) 34-Se-75

MAT 3428 Kerma total (eV-barns) 34-Se-75
 Cross Section -58.06 To 9999. %

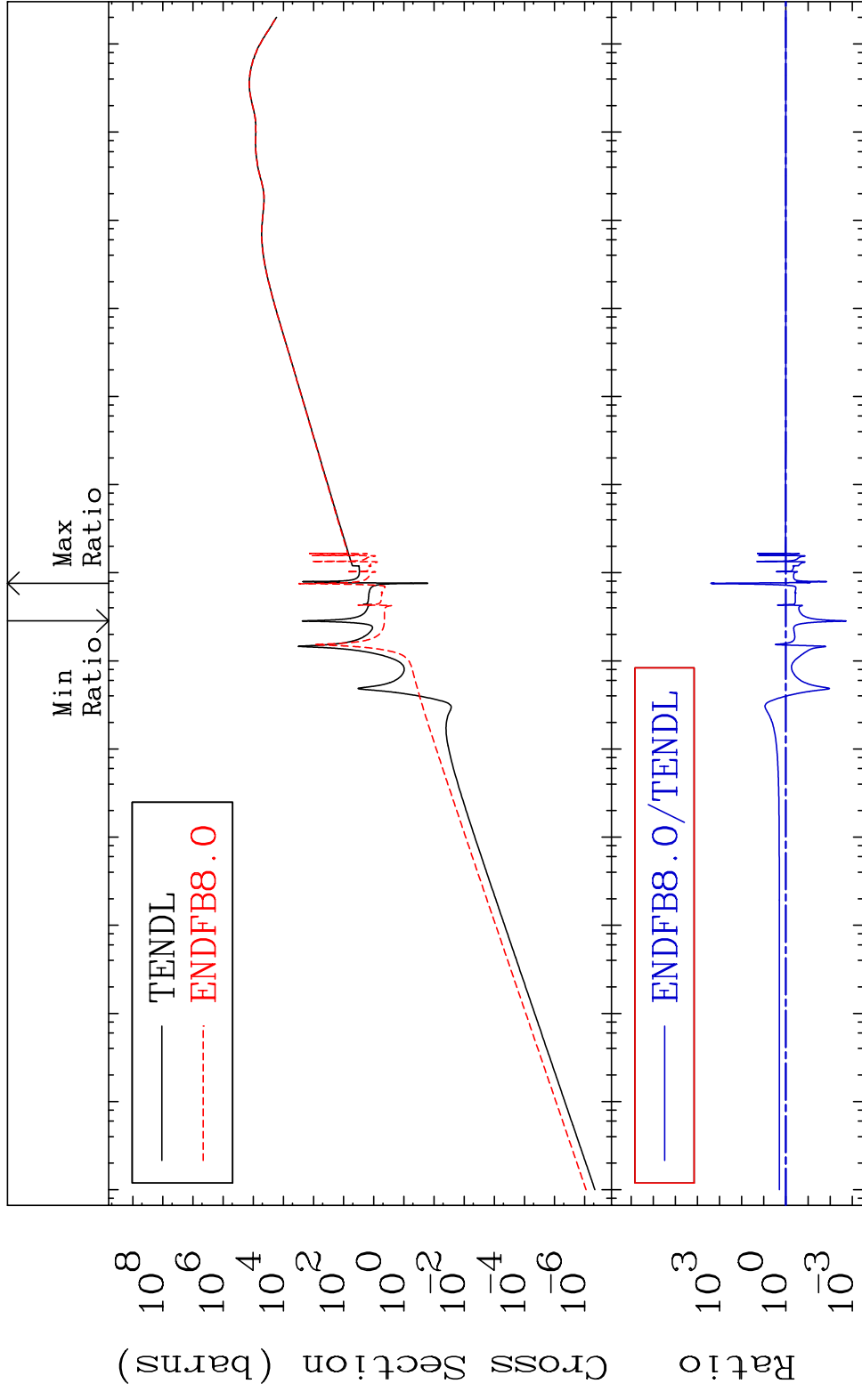


MAT 3428

Kerma elastic

34-Se-75

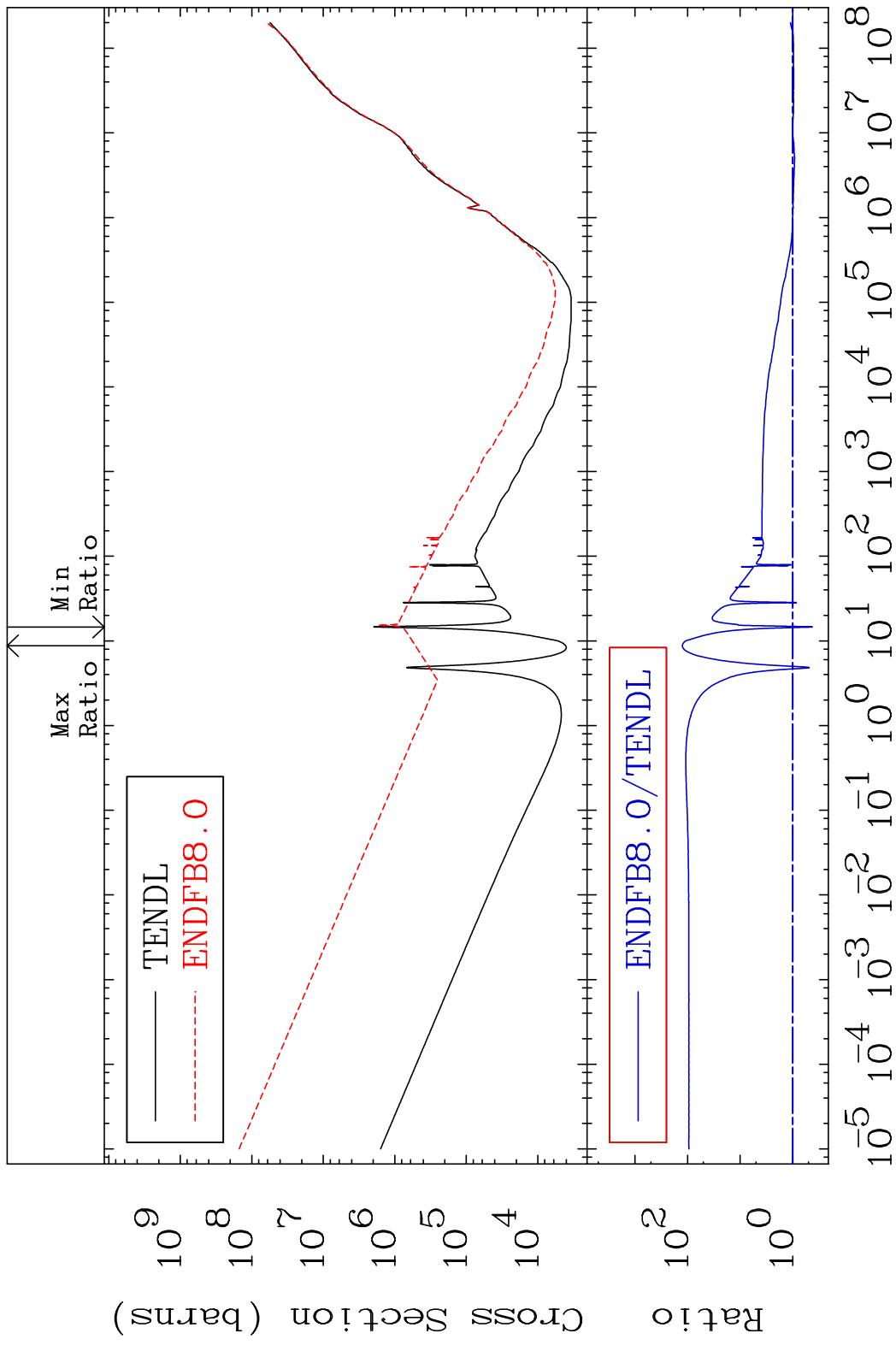
Cross Section -99.81 To 9999. %



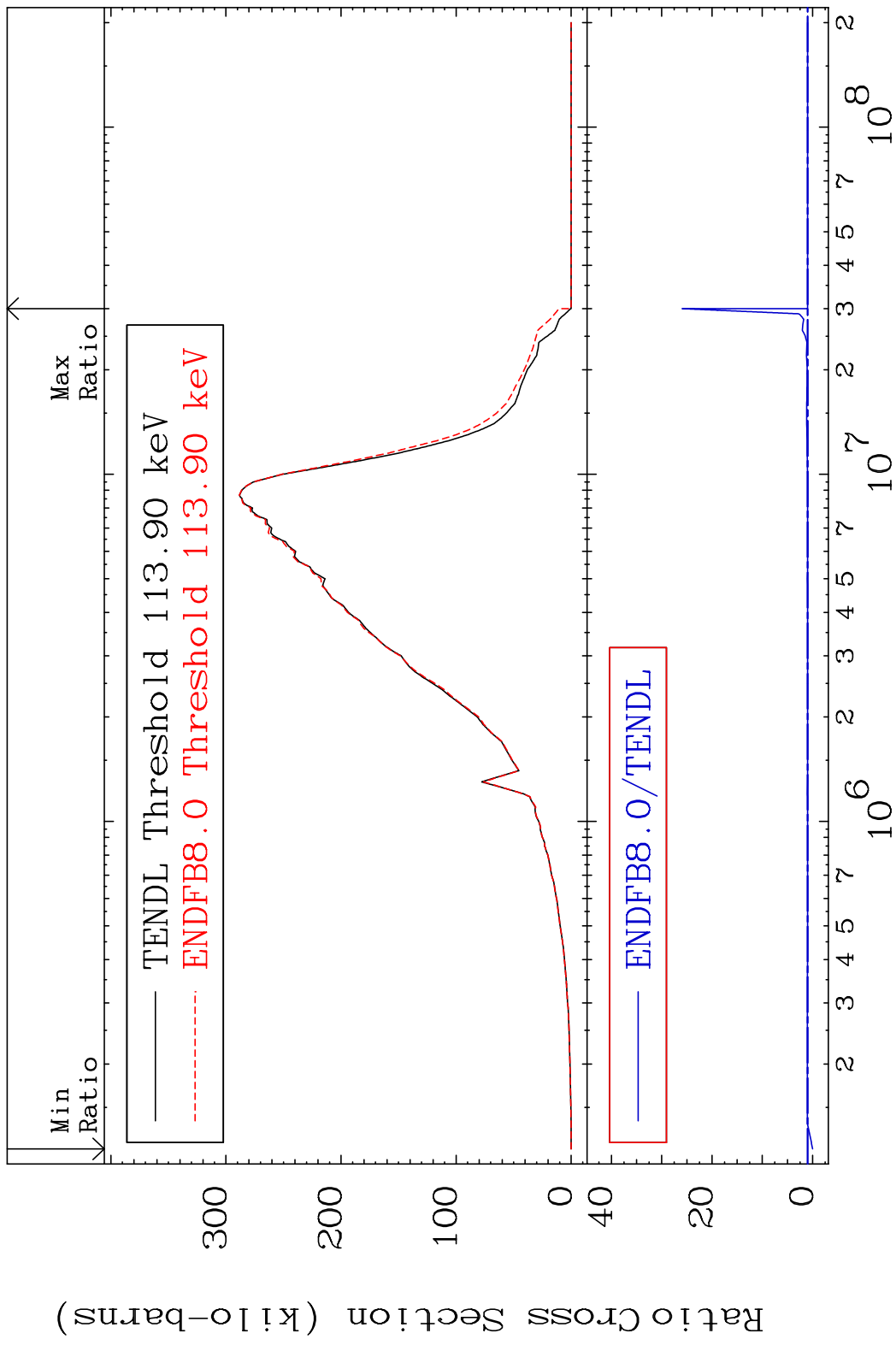
Incident Energy (eV) 34-Se-75

70

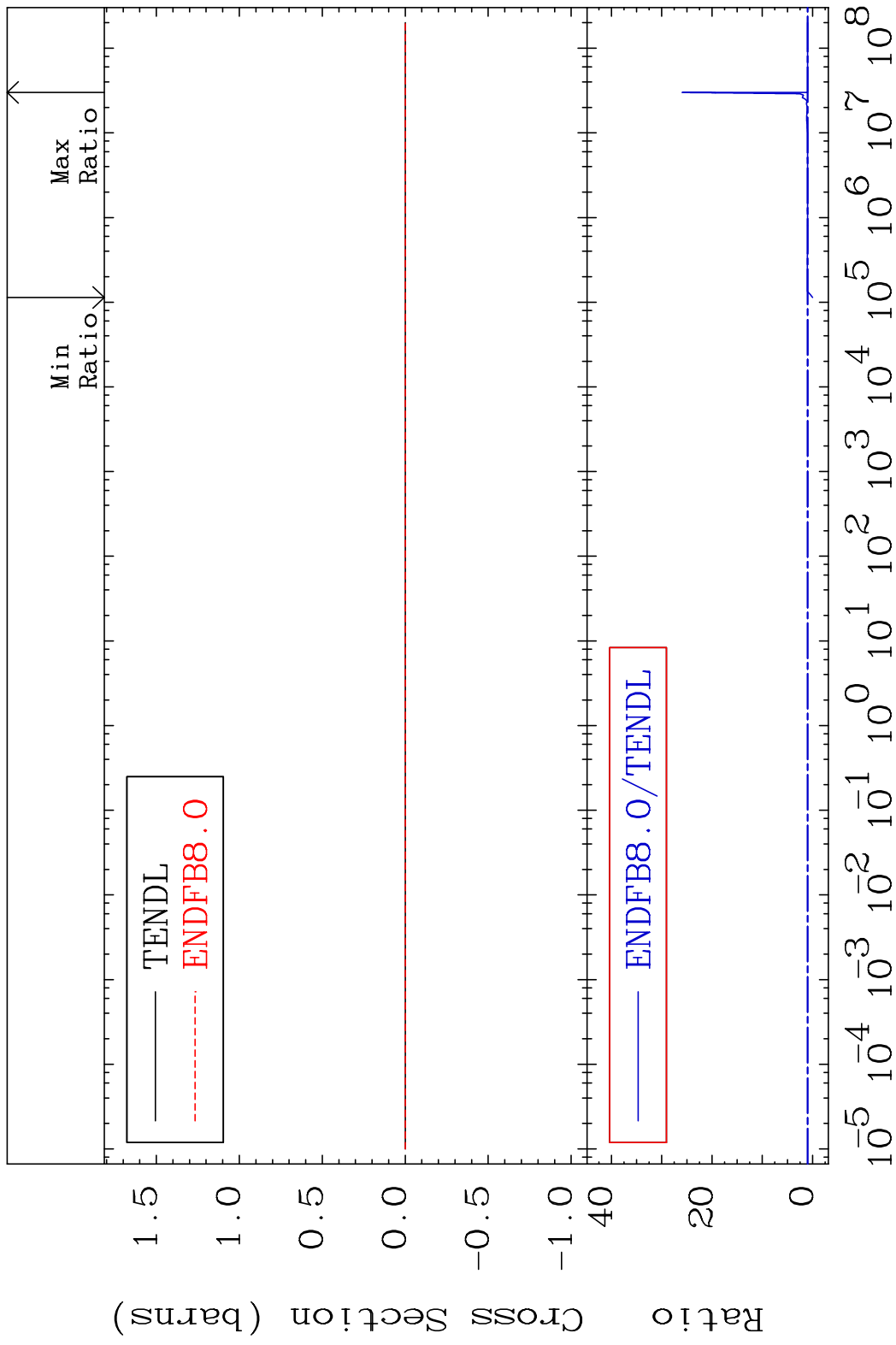
MAT 3428 Kerma non-elastic (all but mt2) 34-Se-75
 Cross Section -58.00 To 9999. %



MAT 3428 Kerma inelastic (mt51-91) 34-Se-75
 Cross Section -100.0 To 2489. %

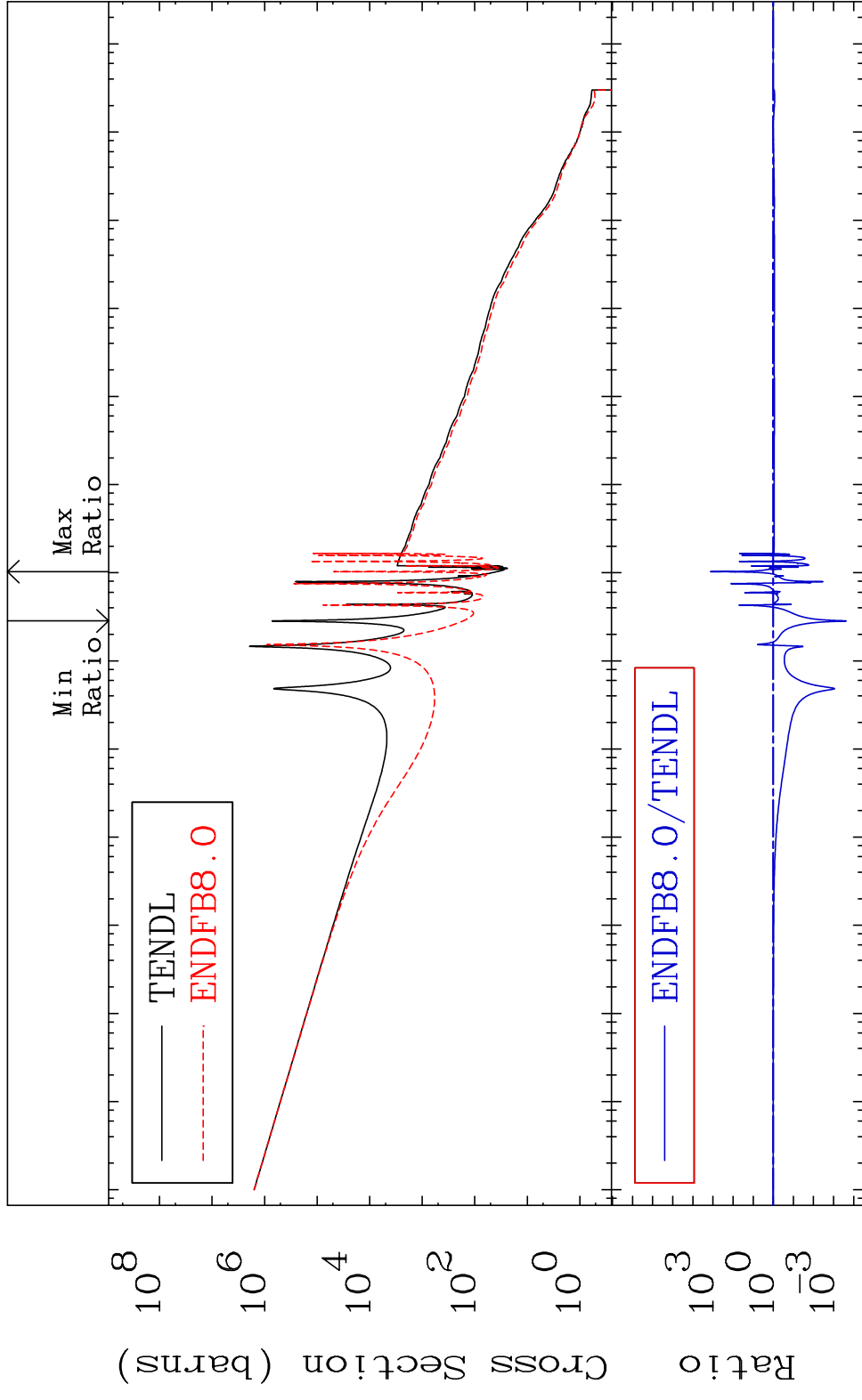


MAT 3428 Kerma fission (mt18 or mt19-20-21-38) 34-Se-75
 Cross Section -100.0 To 2489. %



MAT 3428

Kerma capture (mt102) 34-Se-75
Cross Section -99.98 To 9999. %

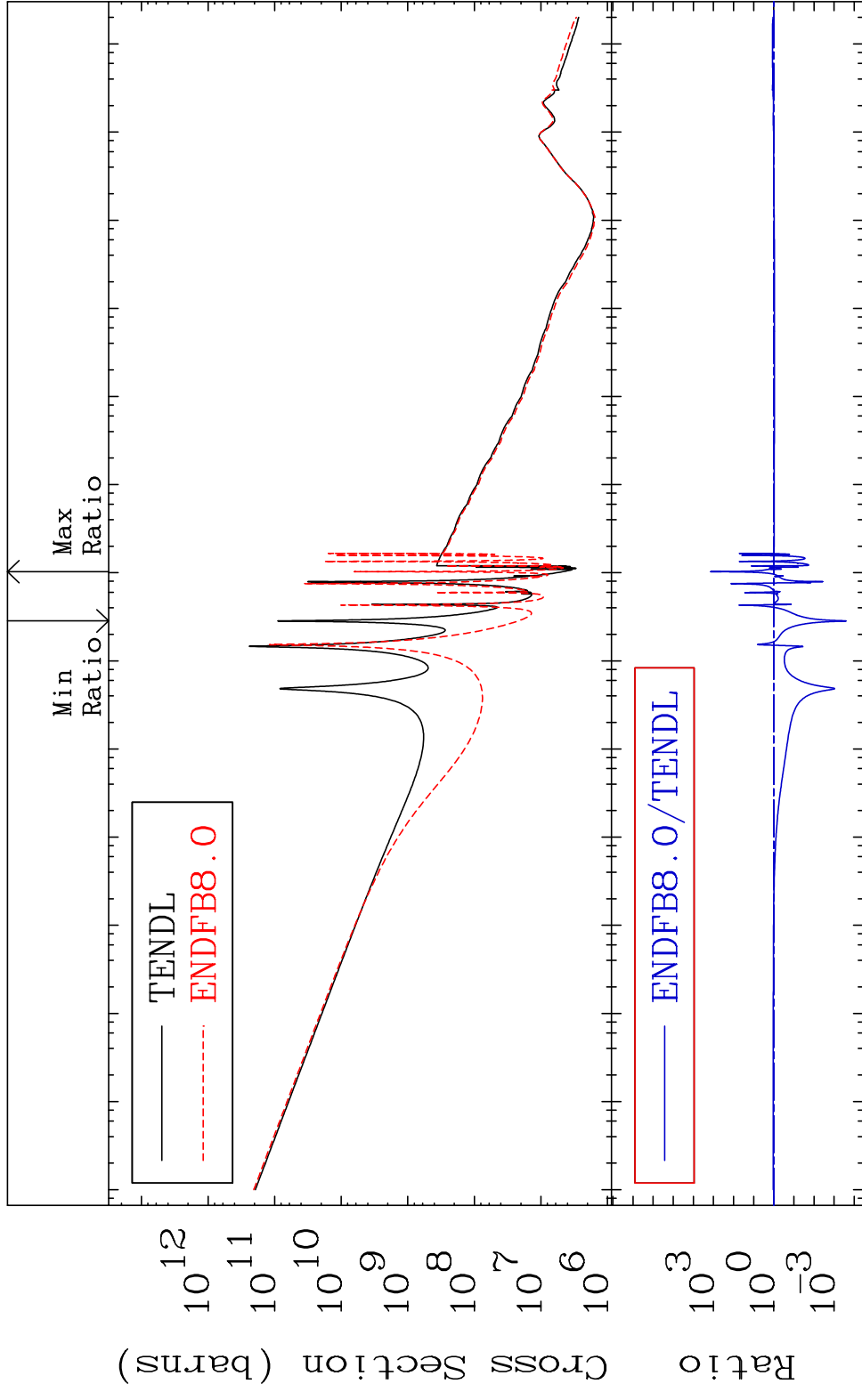


74

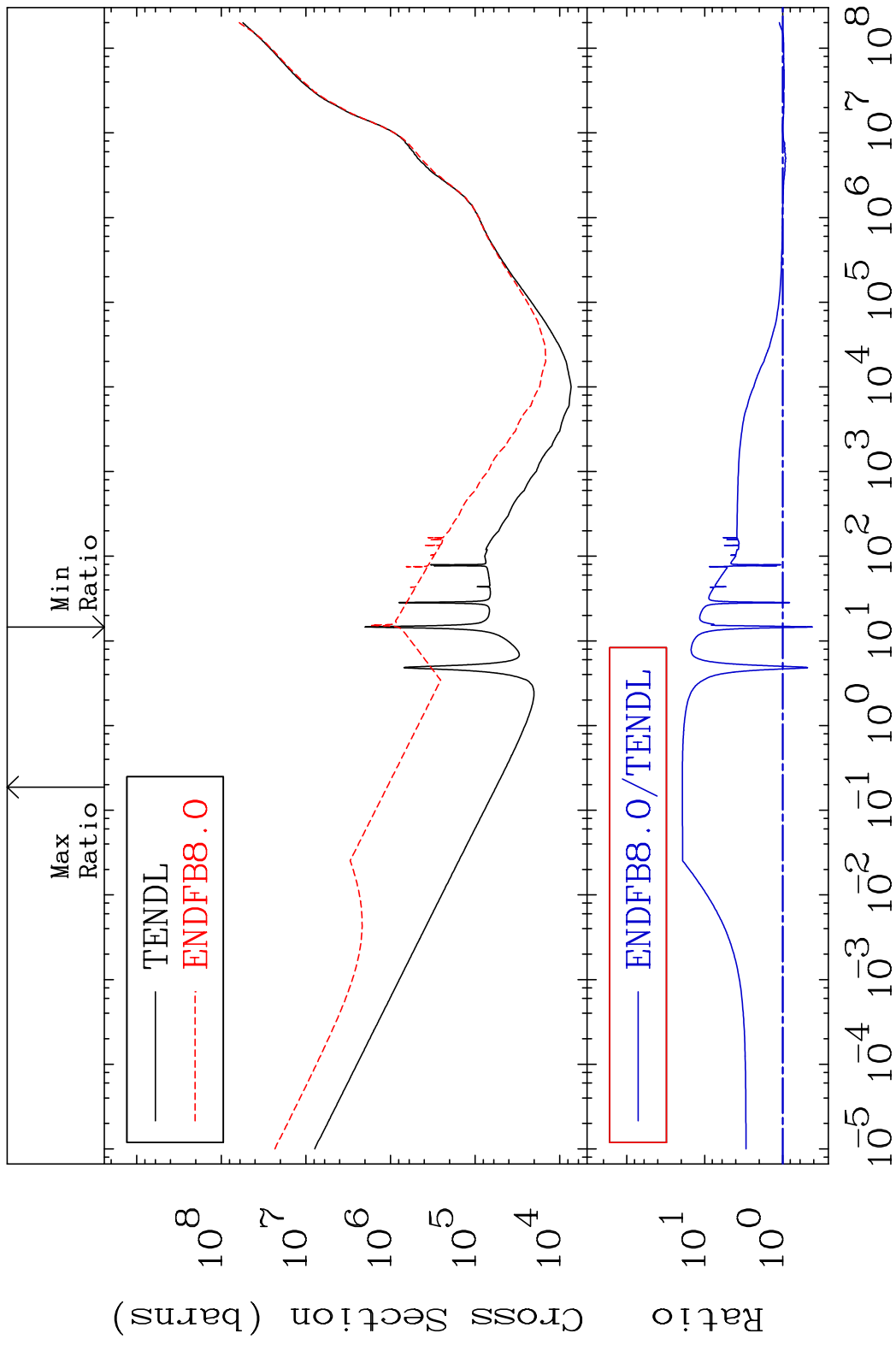
Incident Energy (eV)

34-Se-75

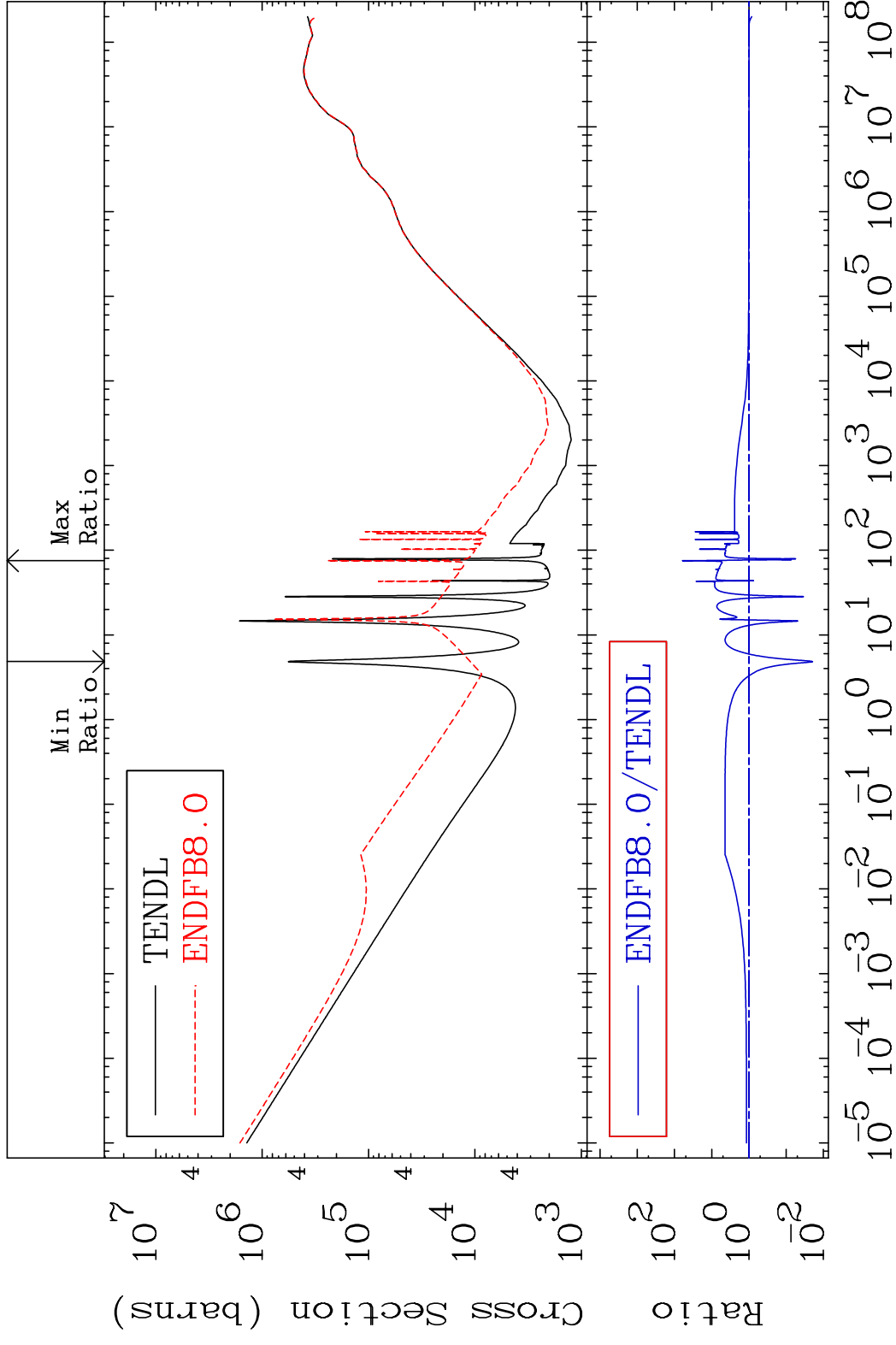
MAT 3428 Total photon (eV-barns) 34-Se-75
 Cross Section -99.98 To 9999. %



MAT 3428 Total kinematic kerma (high limit) 34-Se-75
 Cross Section -58.66 To 1839. %



MAT 3428 Dpa total (eV-barns) 34-Se-75
 Cross Section -98.06 To 6053. %

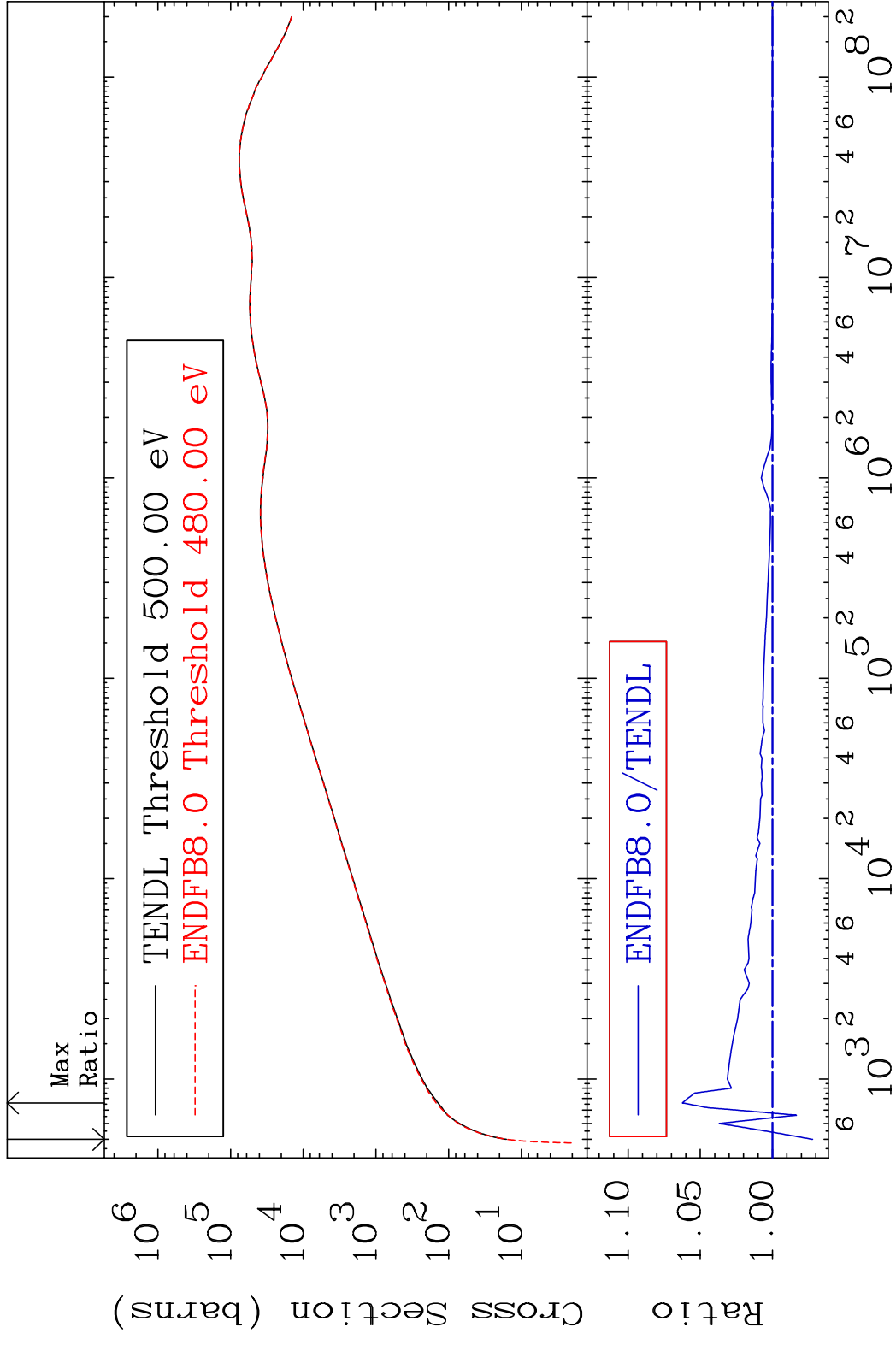


MAT 3428

Dpa elastic (mt2)

34-Se-75

Cross Section -2.776 To 6.241 %



78

Incident Energy (eV)

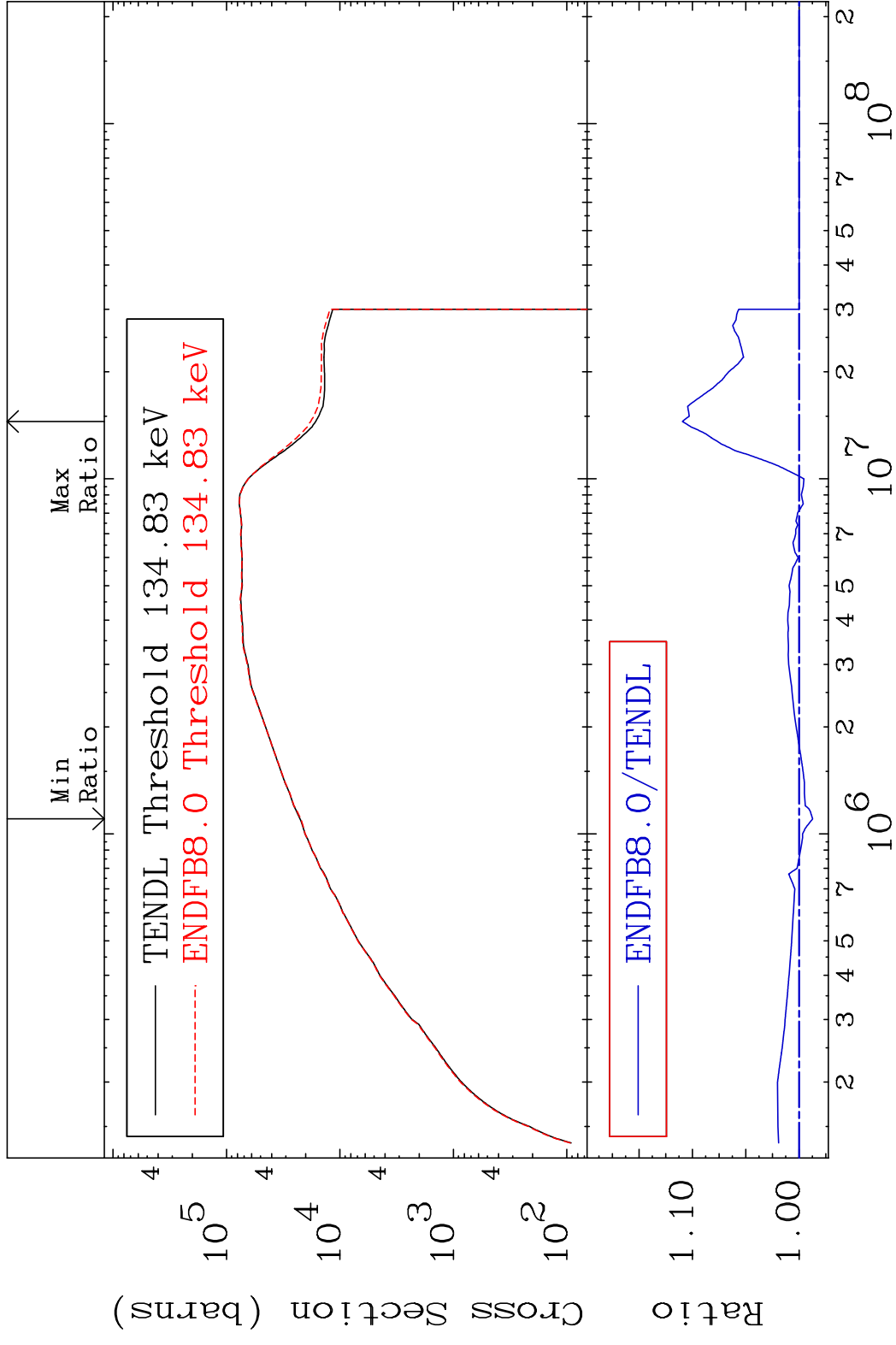
34-Se-75

MAT 3428

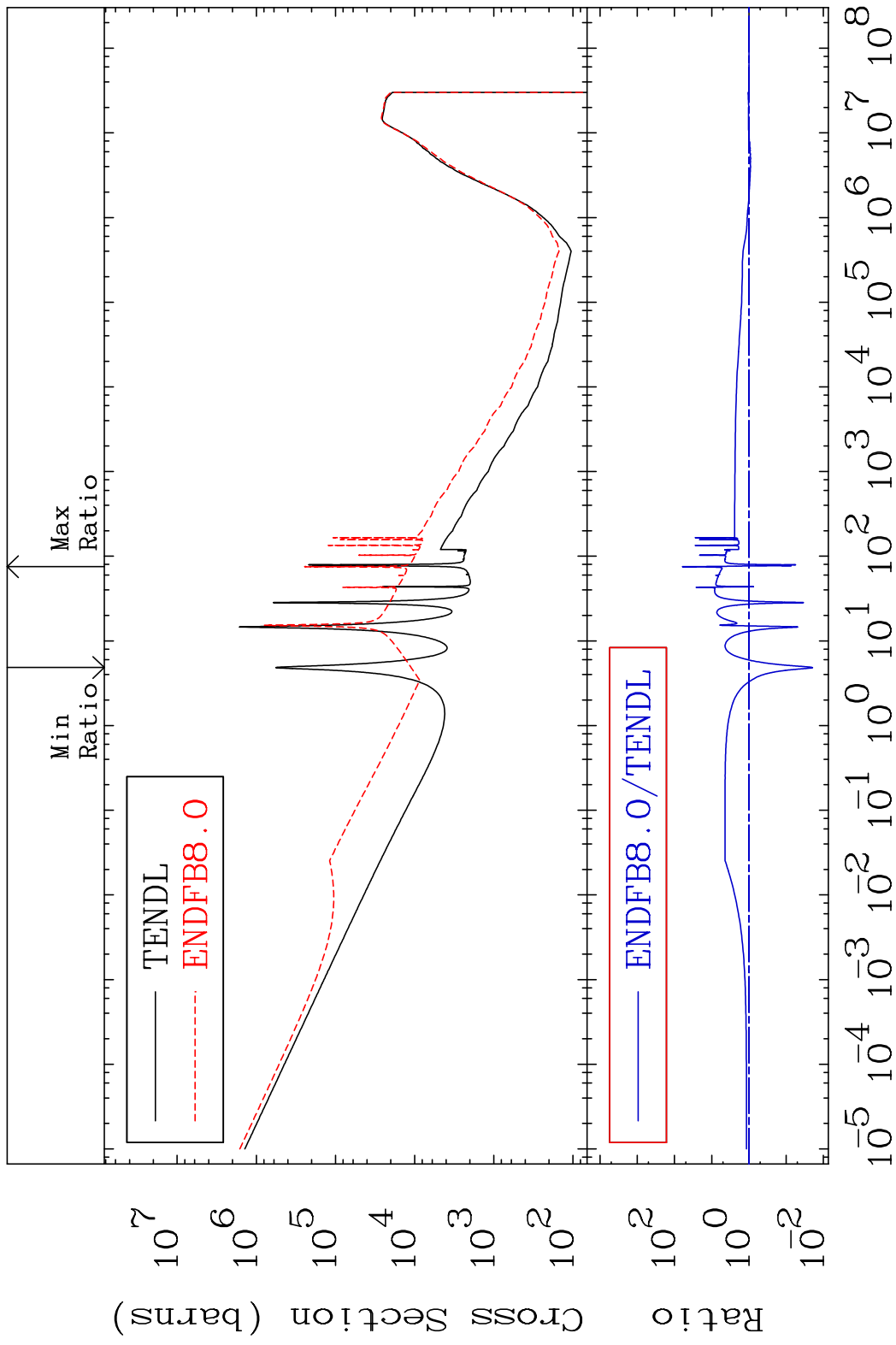
Dpa inelastic (mt51-91)

34-Se-75

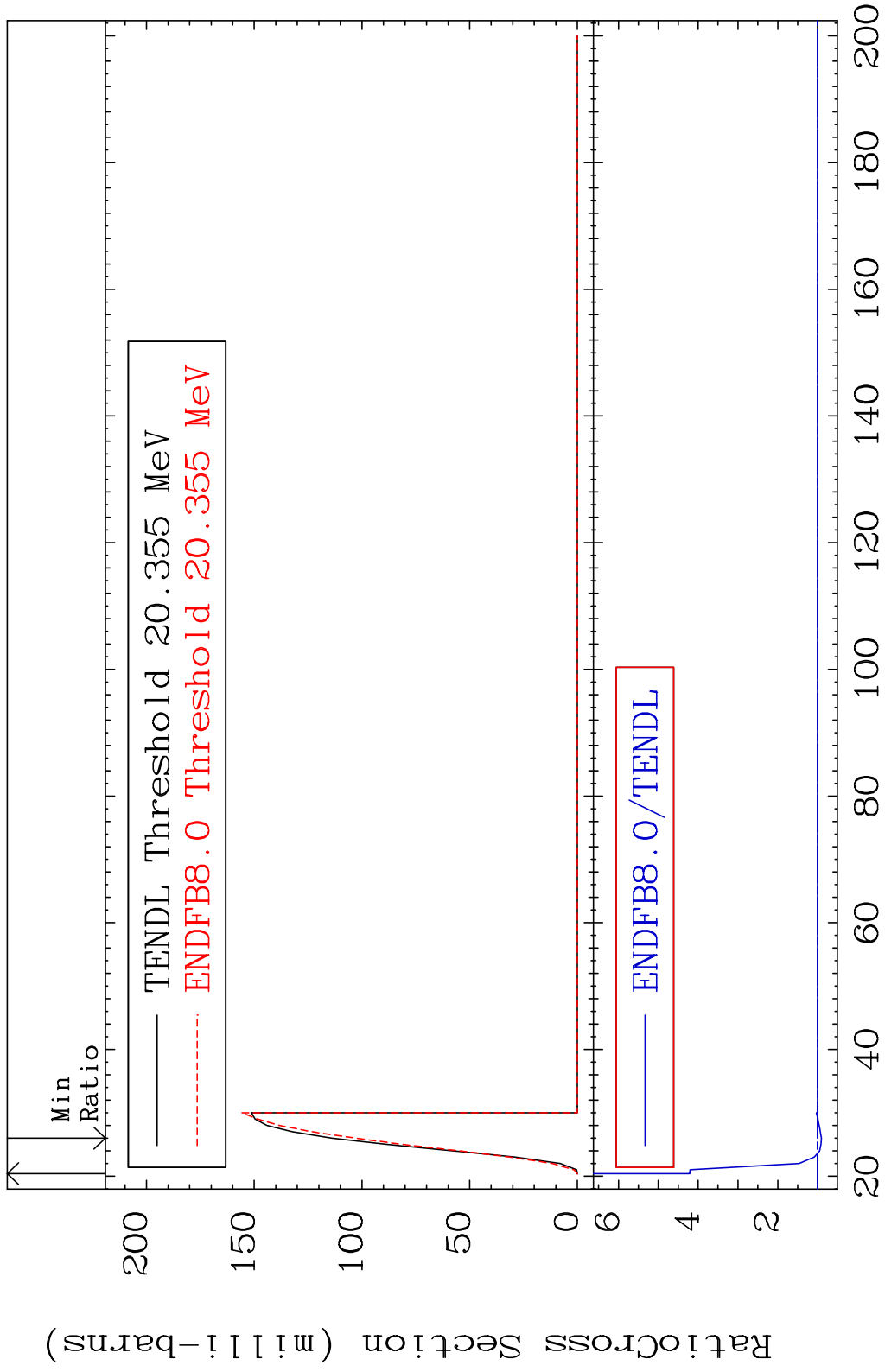
Cross Section -1.266 To 10.94 %



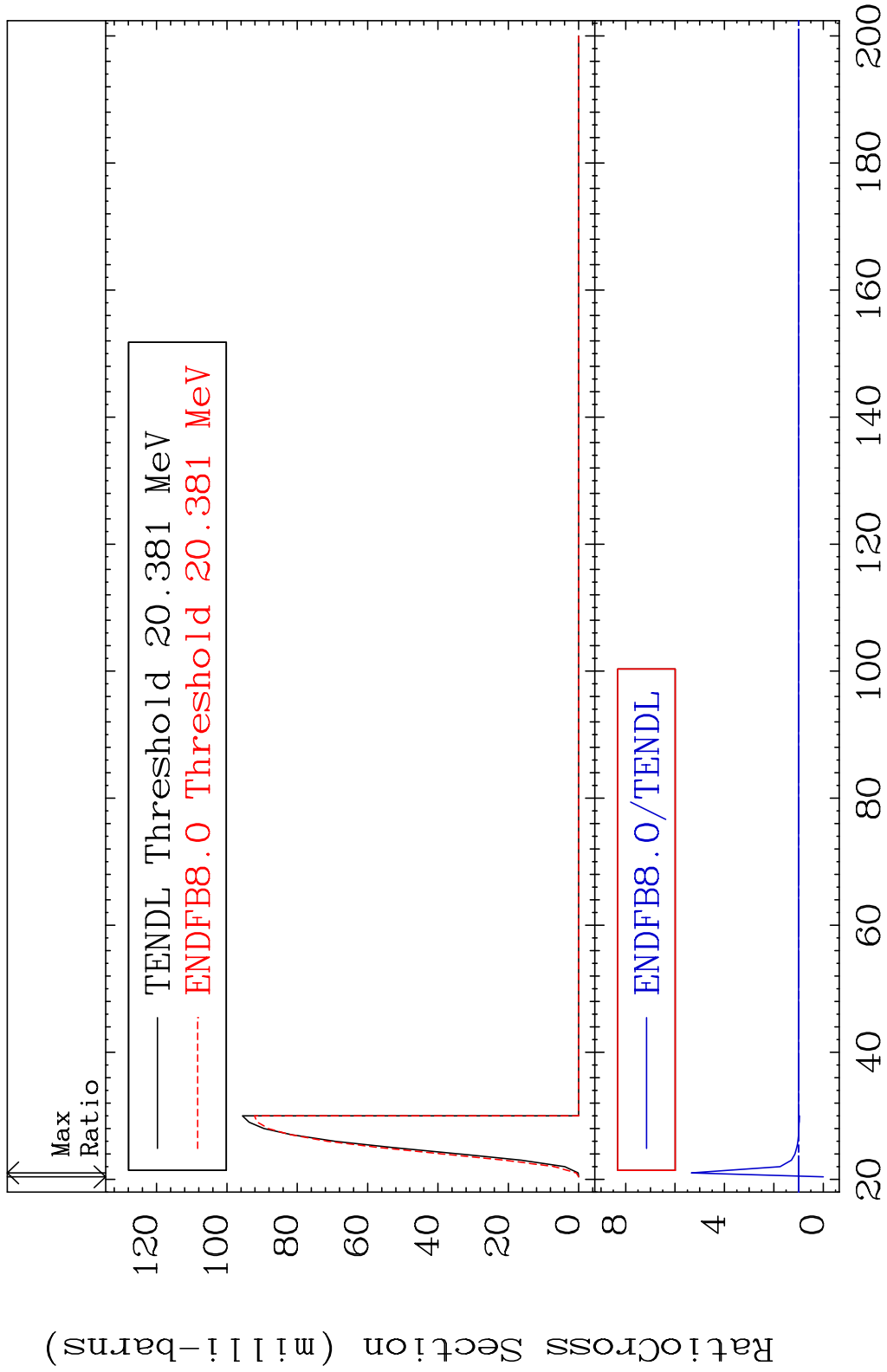
MAT 3428 Dpa disappearance (mt102 -120) 34-Se-75
 Cross Section -98.06 To 6053. %



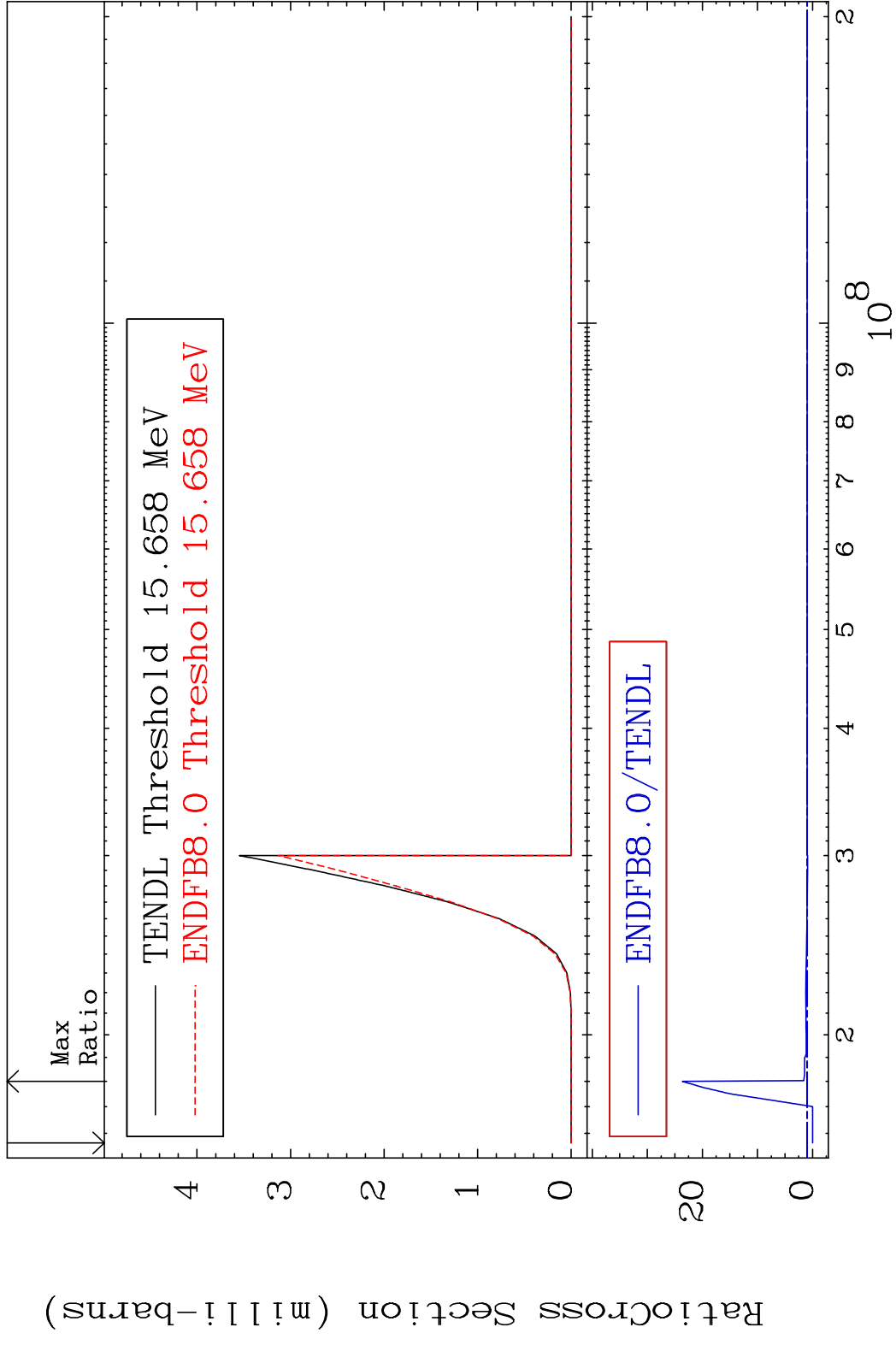
MAT 3428 (n,3n):34-Se-73g 34-Se-75
 Radionuclide Production Cross Section 95.281 d/o 321.0 %



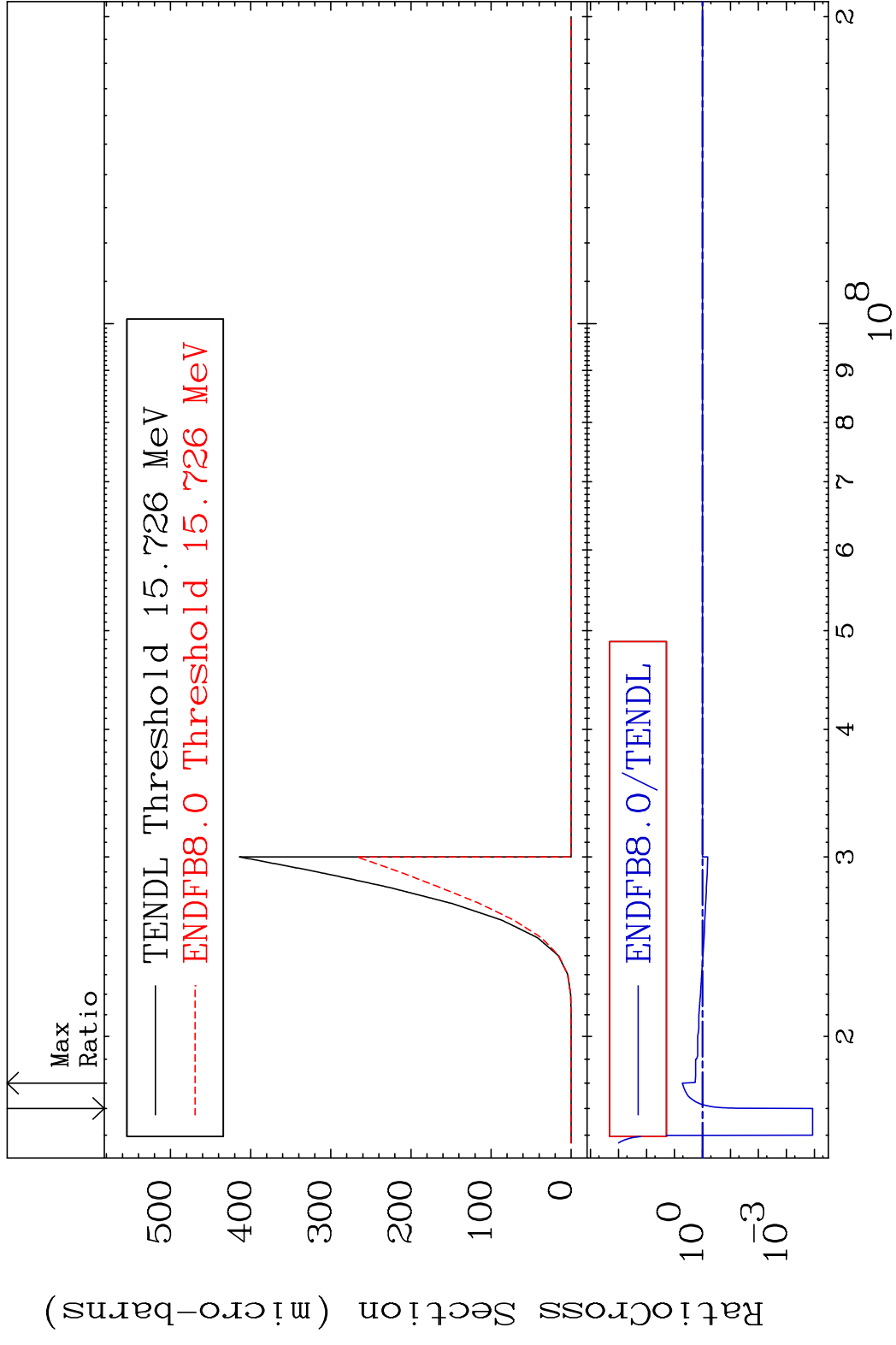
MAT 3428 (n,3n):34-Se-73m1 34-Se-75
 Radionuclide Production Cross Section 180.0 dth 434.1 %



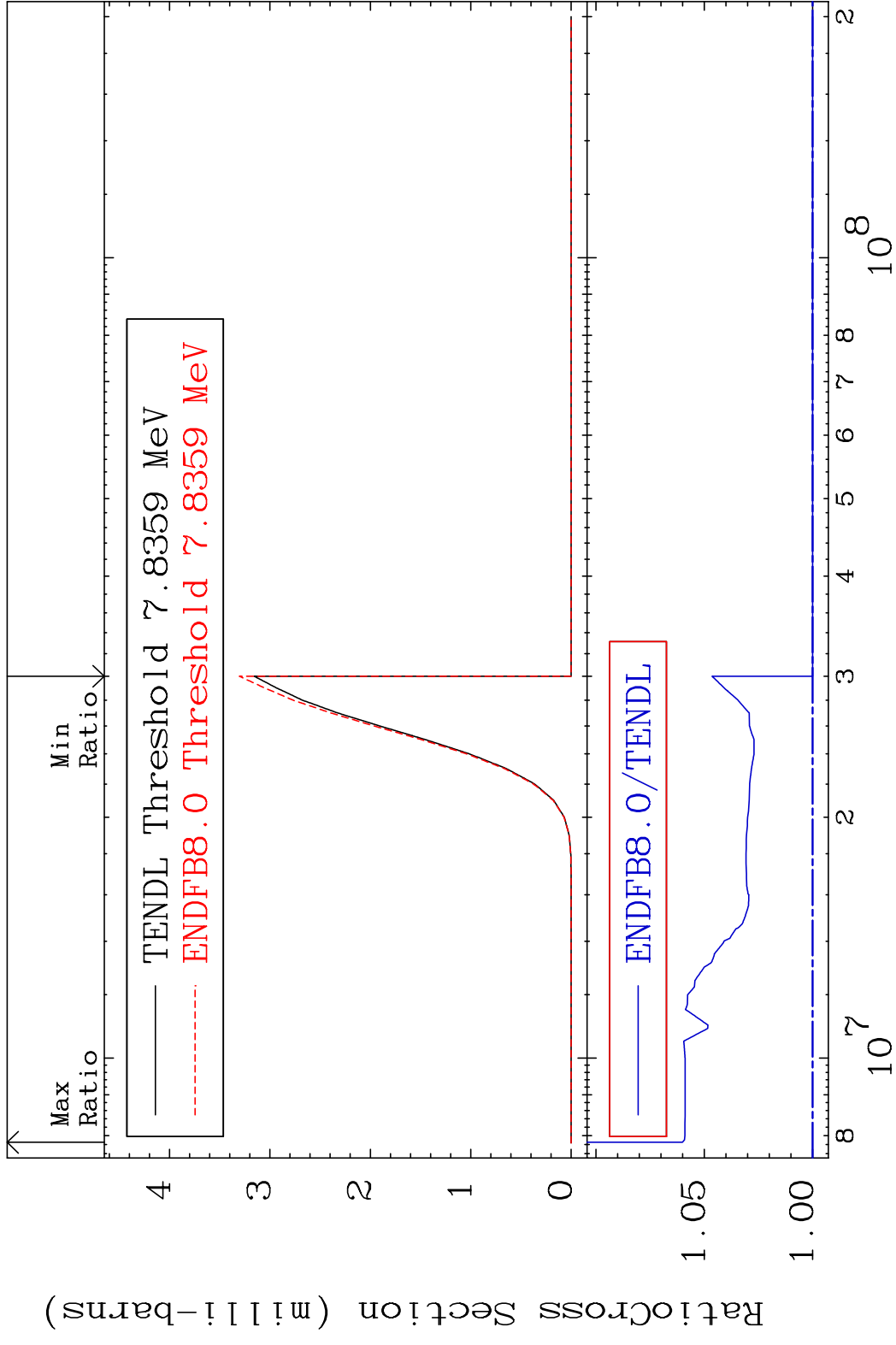
MAT 3428 (n,2n) p:32-Ge-73g 34-Se-75
 Radionuclide Production Cross Section Ratio 2264. %



MAT 3428 (n,2n) p:32-Ge-73m2 34-Se-75
 Radionuclide Production Cross Section 98.991 dth 423.8 %

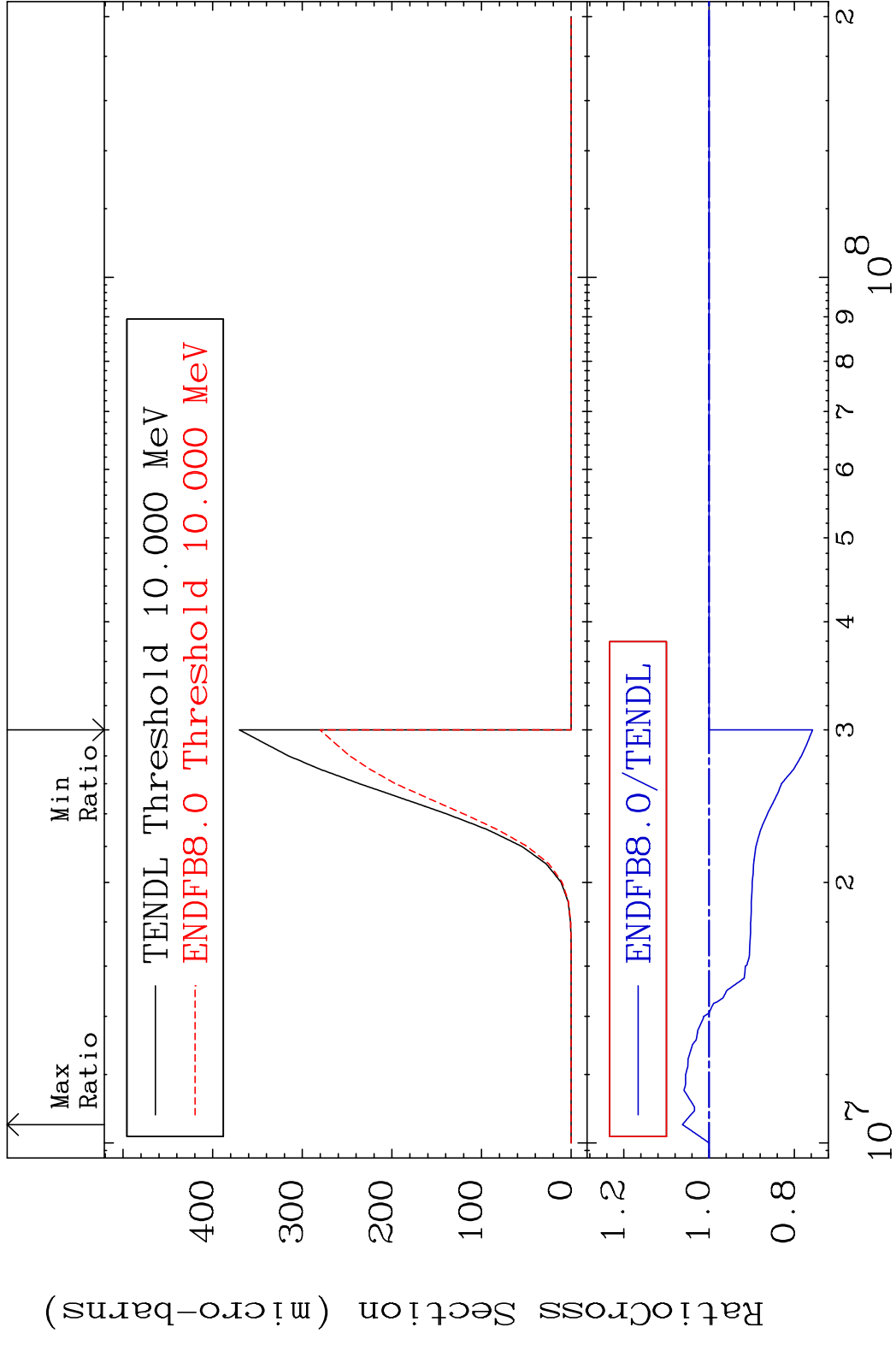


MAT 3428 (n, He-3):32-Ge-73g 34-Se-75
 Radionuclide Production Cross Section 6.013 %



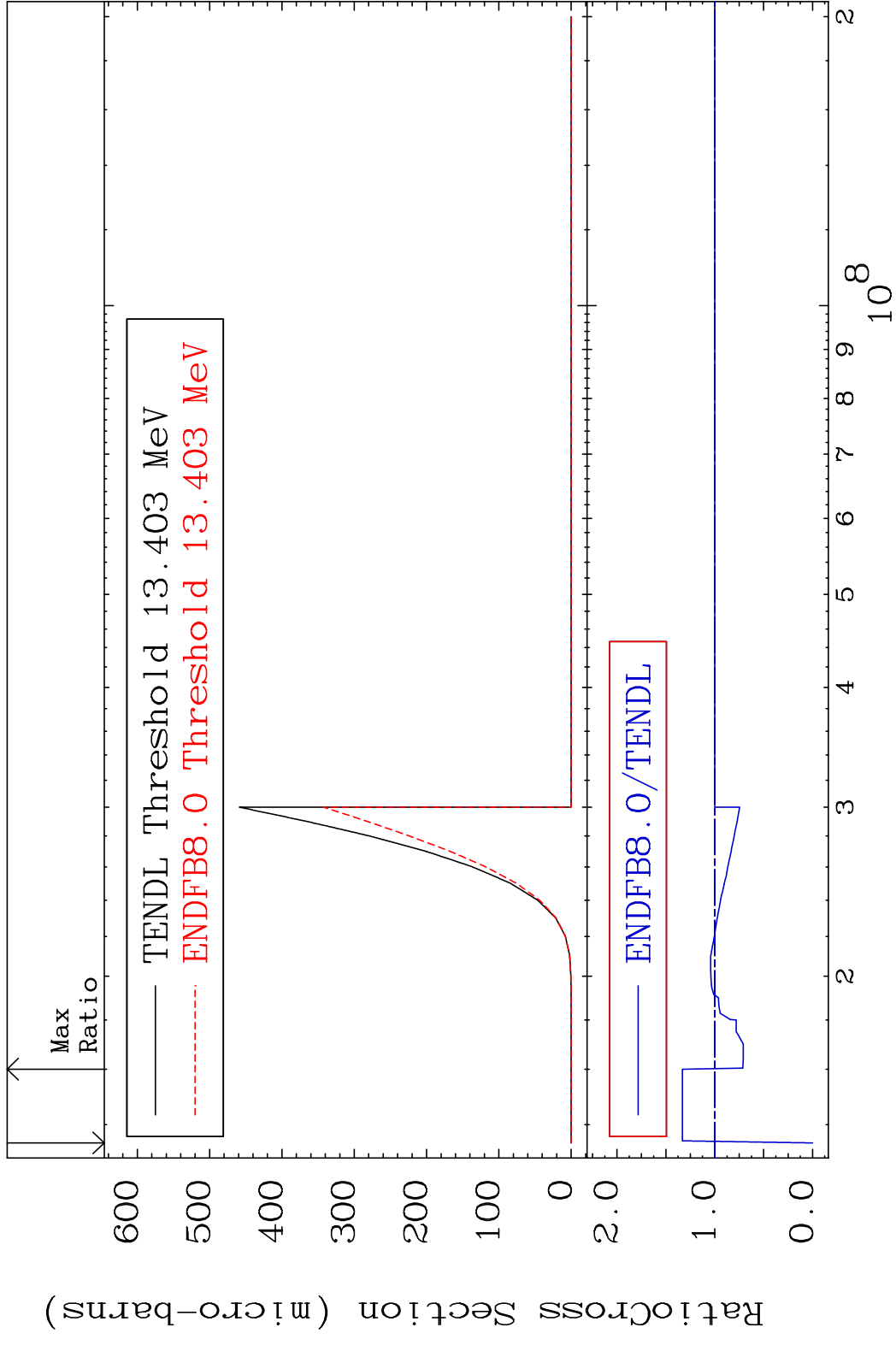
85 Incident Energy (eV) 34-Se-75

MAT 3428 (n, He-3) : 32-Ge-73m2 34-Se-75
 Radionuclide Production Cross Section 6.269 %



86 Incident Energy (eV) 34-Se-75

MAT 3428 (n, p) d:32-Ge-73g 34-Se-75
 Radionuclide Production Cross Section 180.01 dth 33.17 %



MAT 3428 (n,p) d:32-Ge-73m2 34-Se-75
 Radionuclide Production Cross Section 52.671 d10 8.762 %

