

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

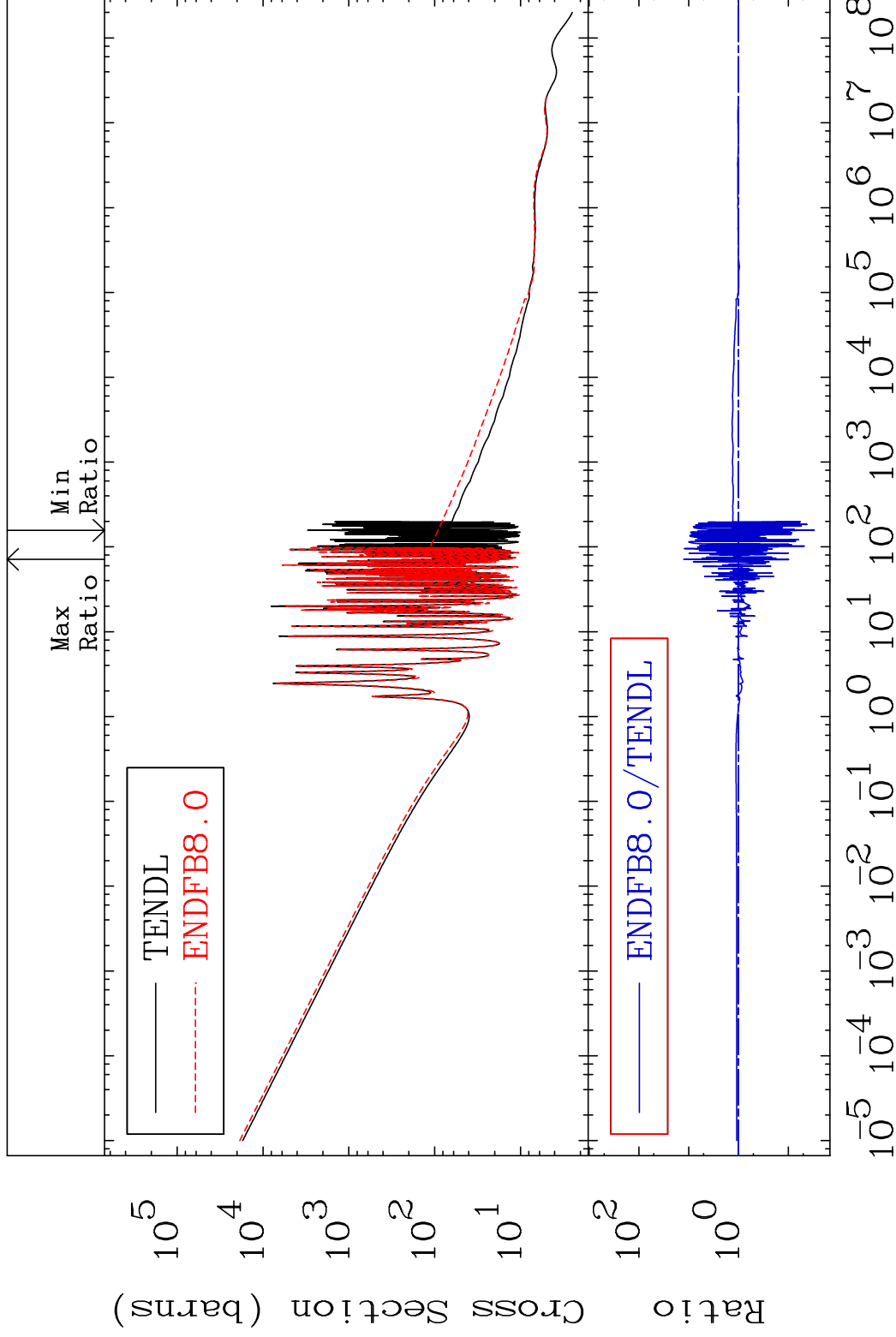
MAT 6331

Total

63-Eu-153

Cross Section

-96.98 To 1161. %



1

Incident Energy (eV)

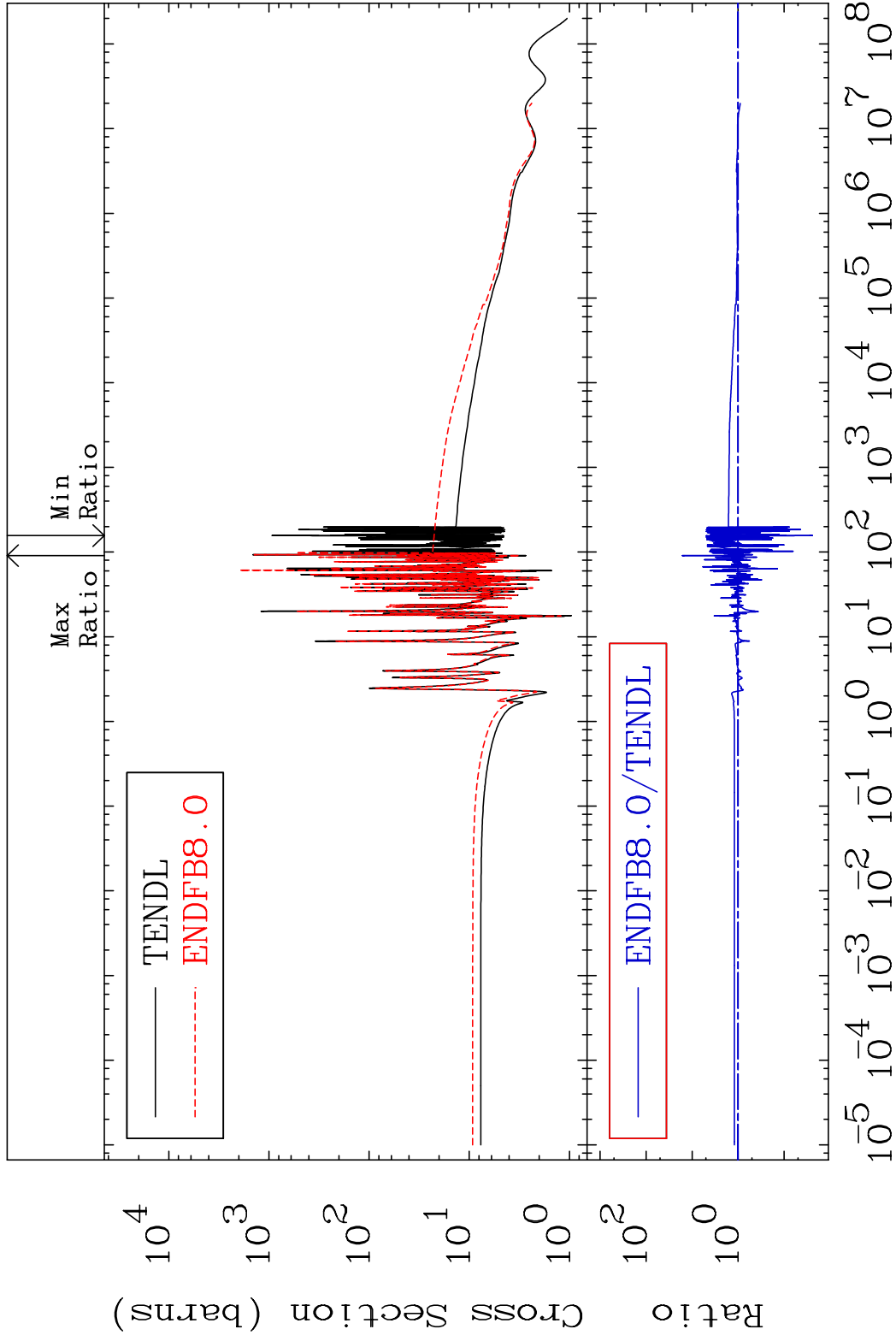
63-Eu-153

MAT 6331

Elastic

63-Eu-153

Cross Section -97.60 To 1528. %

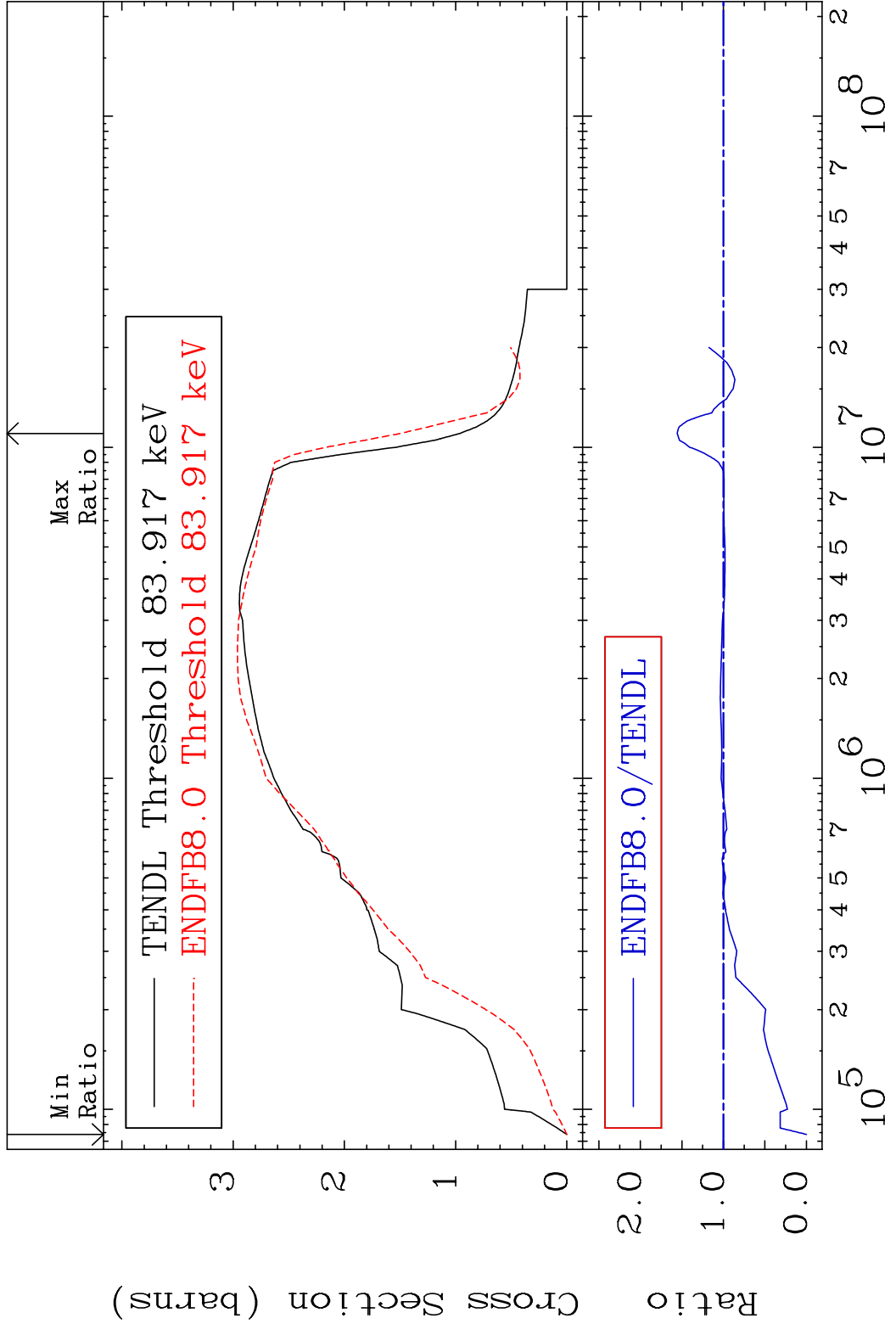


2

Incident Energy (eV)

63-Eu-153

MAT 6331 Inelastic Cross Section -100.0 To 55.70 % 63-Eu-153



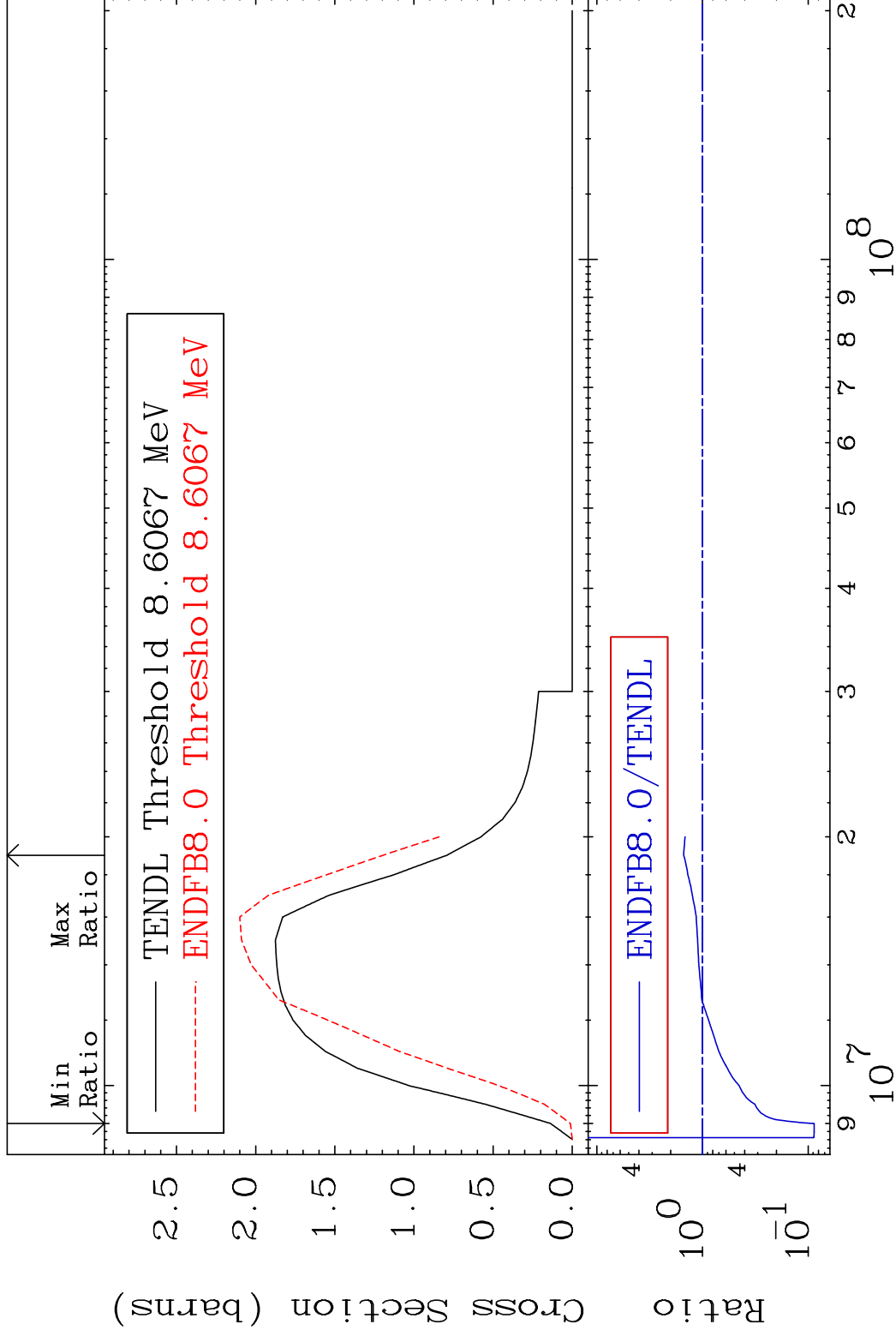
3 2 1 0 2.0 1.0 0.0 3 4 5 6 7 2 3 4 5 6 7 8 10⁵ 10⁶ 10⁷ 10⁸ 63-Eu-153

MAT 6331

(n,2n)

63-Eu-153

Cross Section -91.20 To 50.86 %



4

Incident Energy (eV)

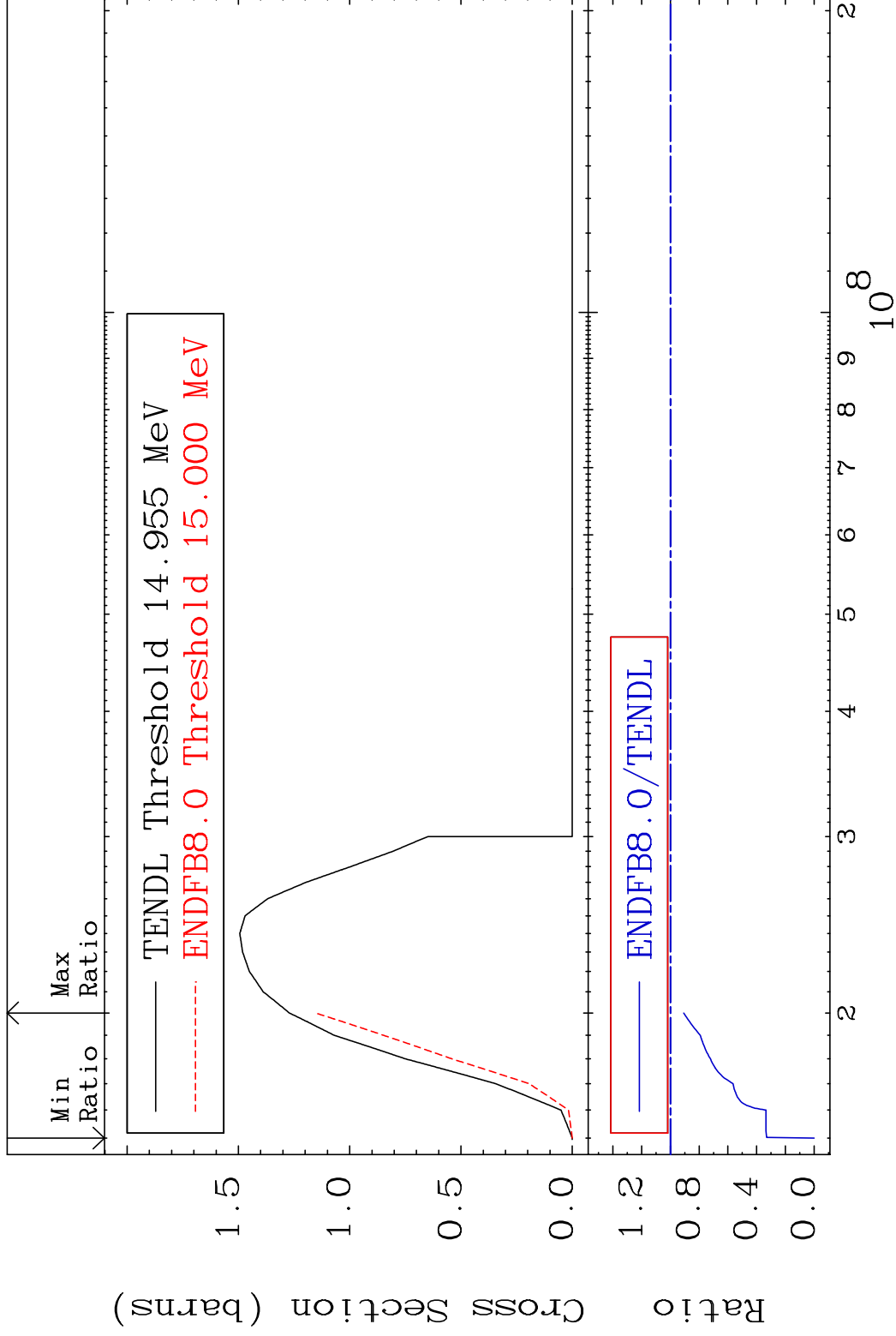
63-Eu-153

MAT 6331

(n,3n)

63-Eu-153

Cross Section -100.0 To -9.225%



5

Incident Energy (eV)

63-Eu-153

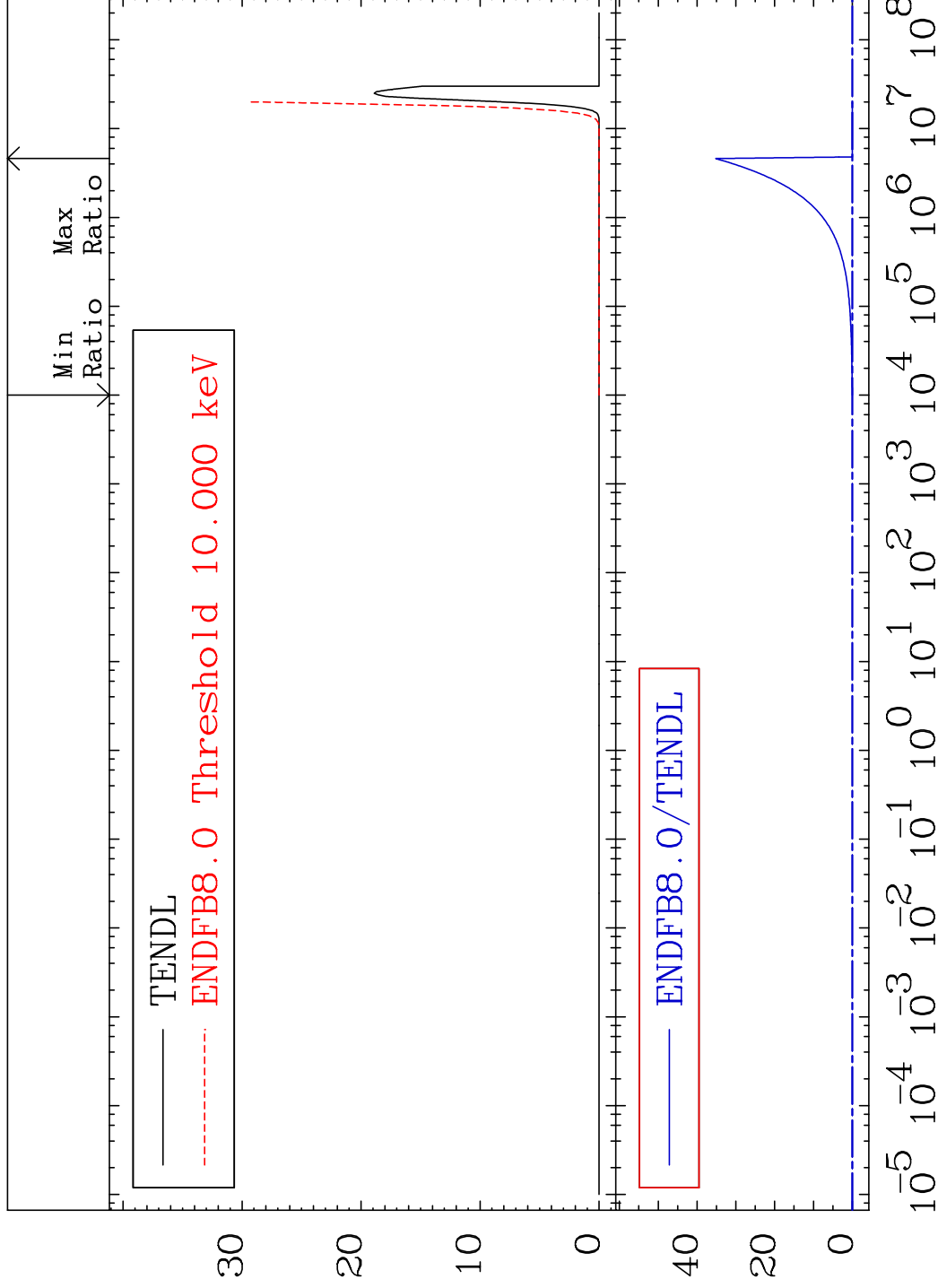
MAT 6331

(n, n') α

63-Eu-153

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)

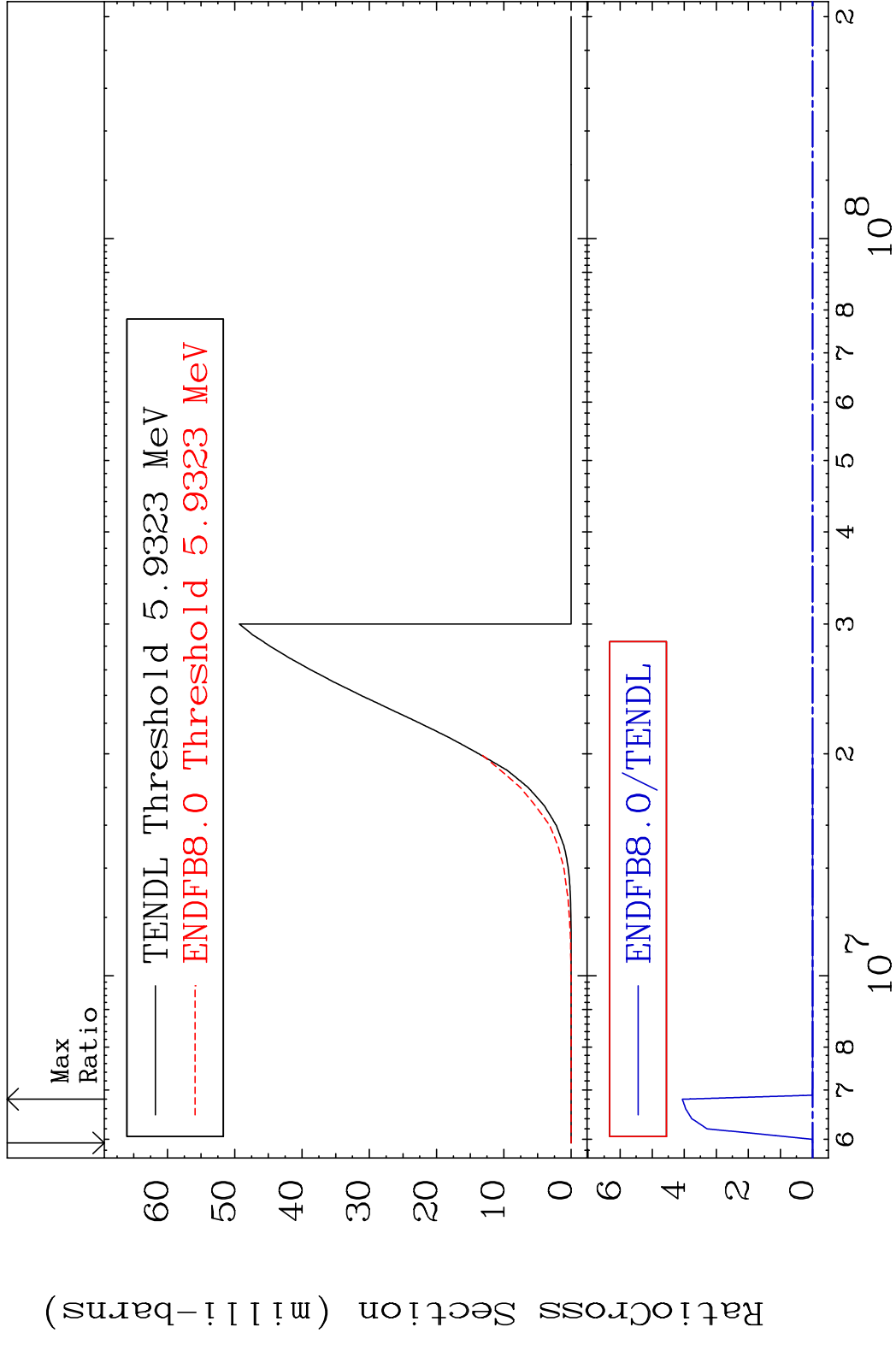


6

Incident Energy (eV)

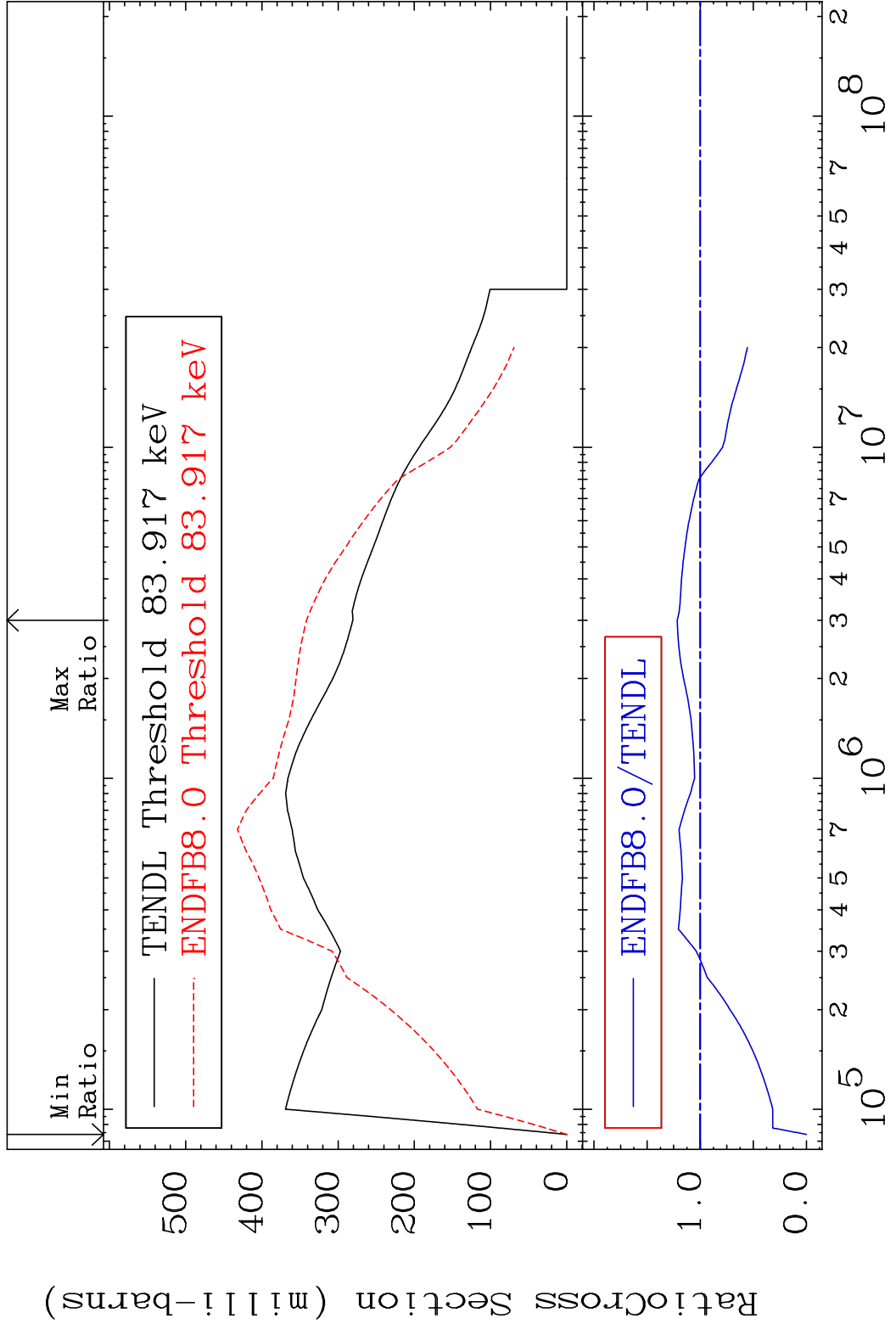
63-Eu-153

MAT 6331 (n, n') p 63-Eu-153
 Cross Section -100.0 To 9999. %



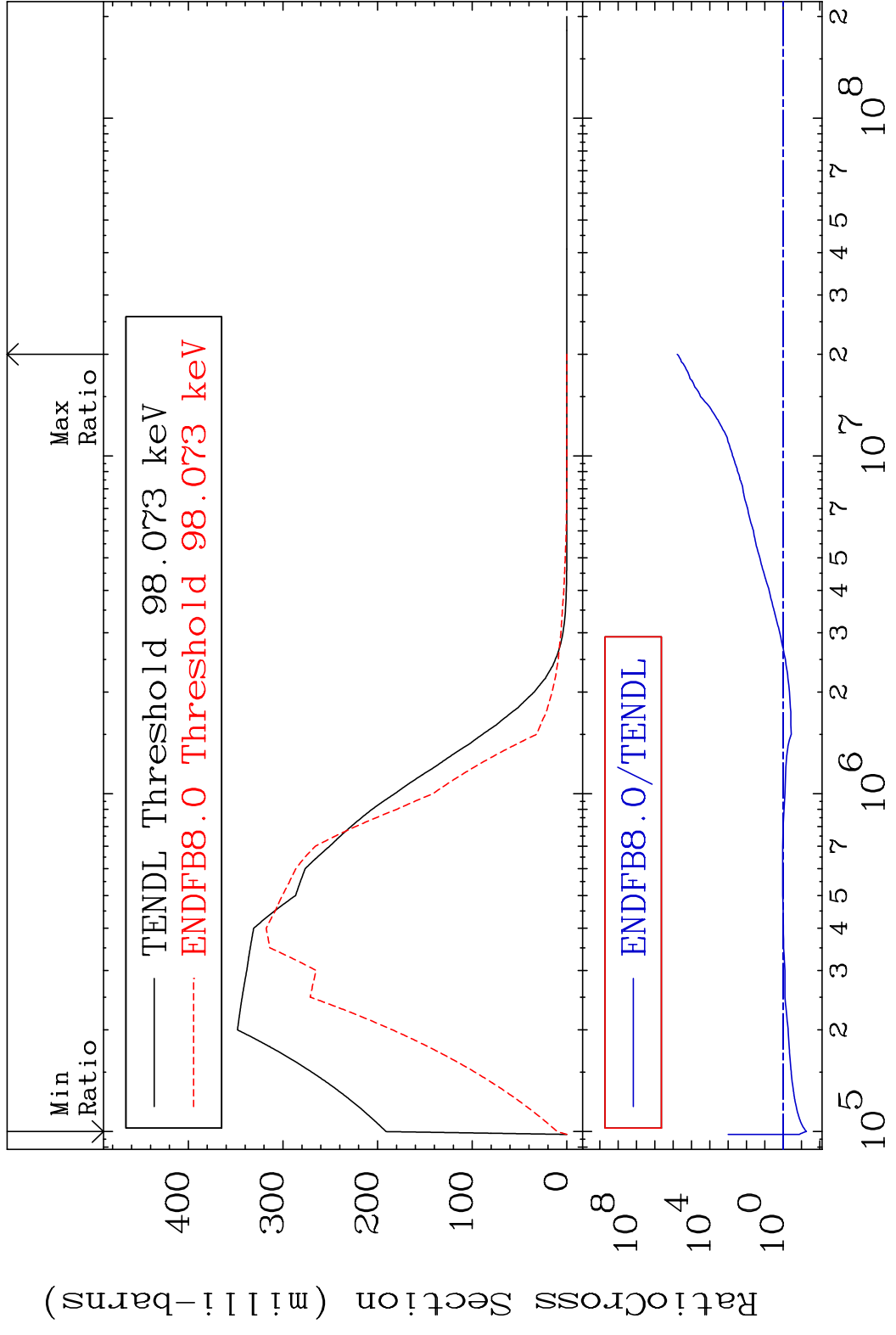
7 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 51 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 21.67 %

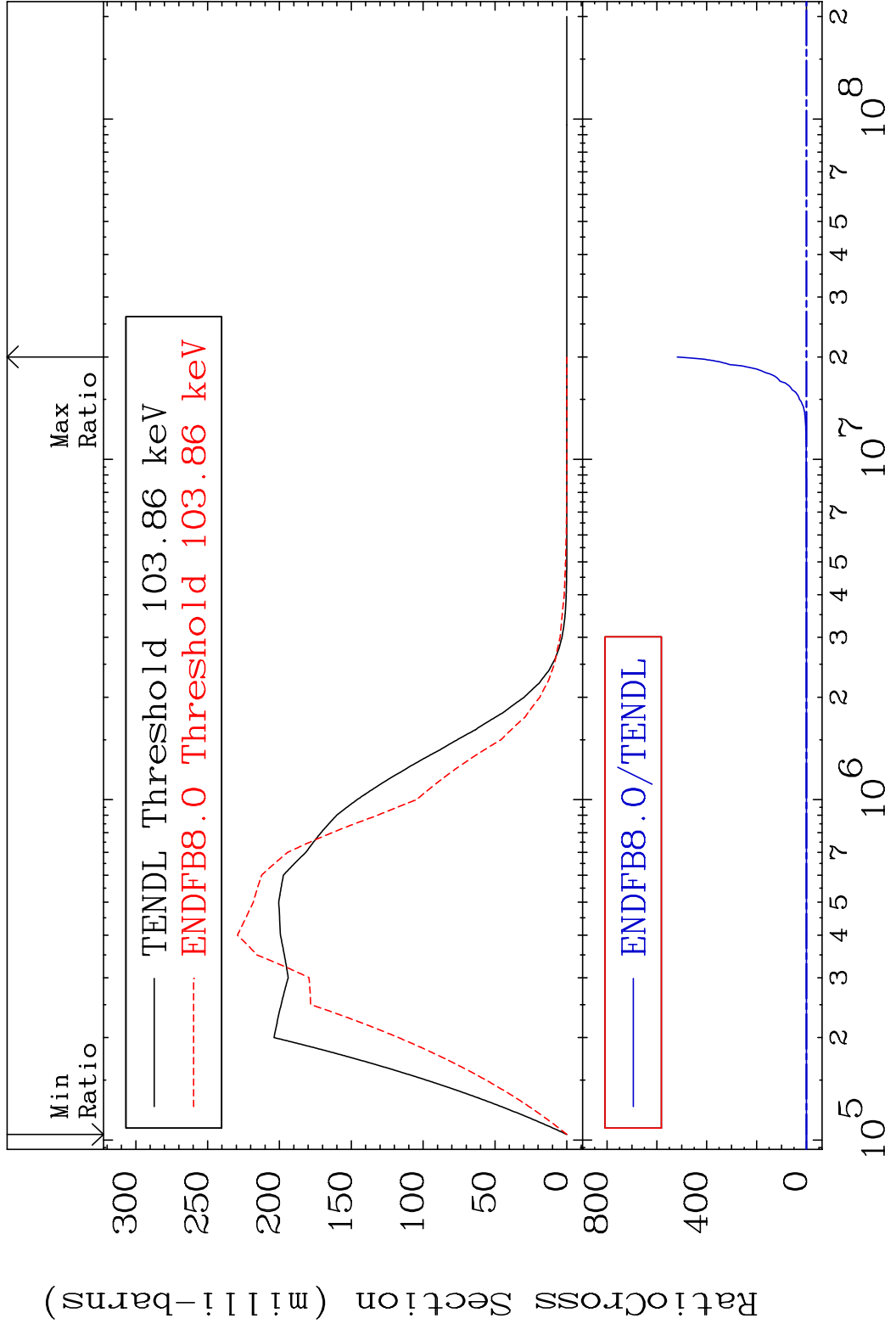


8 Incident Energy (eV) 63-Eu-153

MAT 6331 MT= 52 (n,n') Level 63-Eu-153
 Cross Section -94.67 To 9999. %

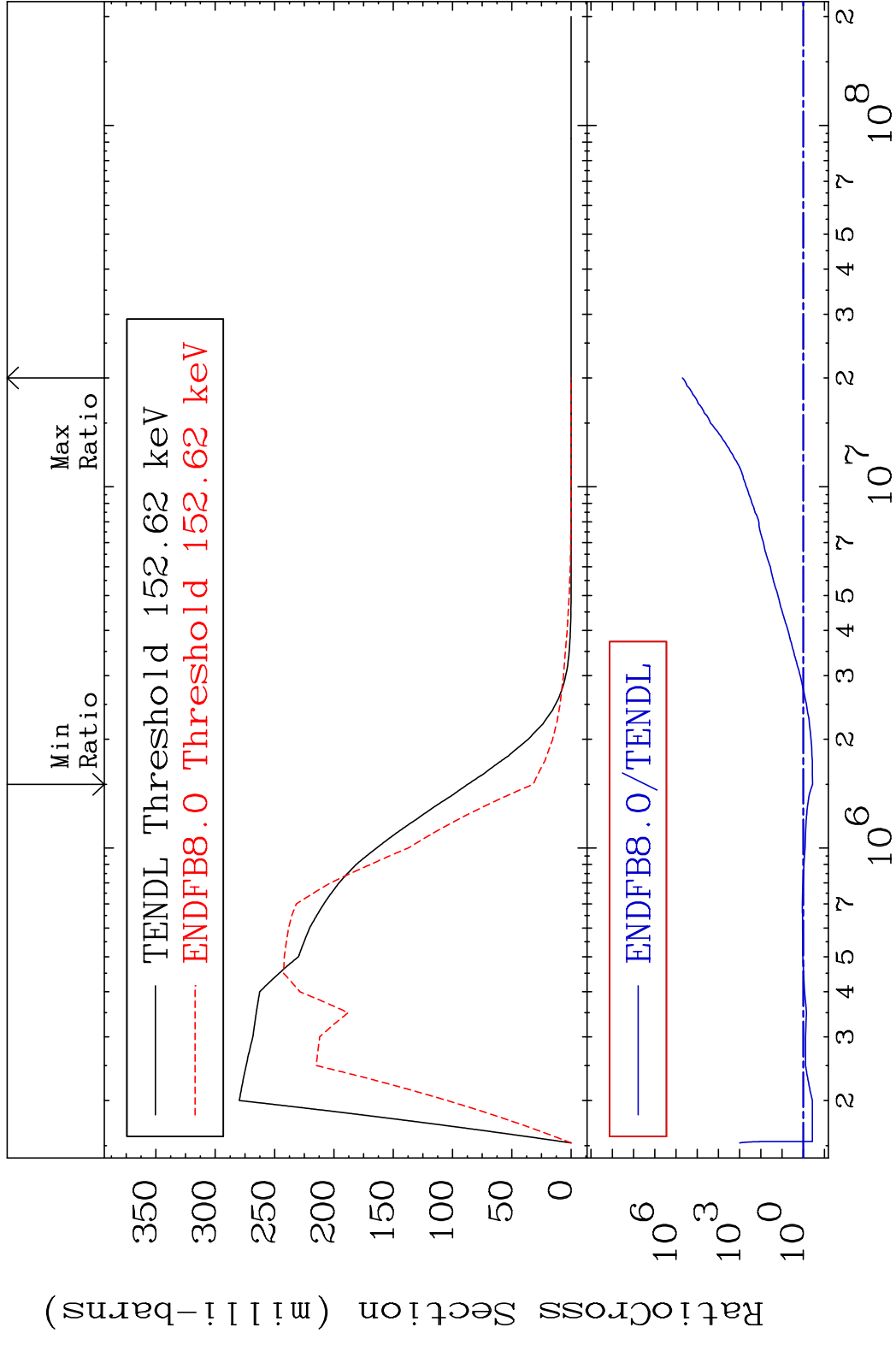


MAT 6331 MT= 53 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %

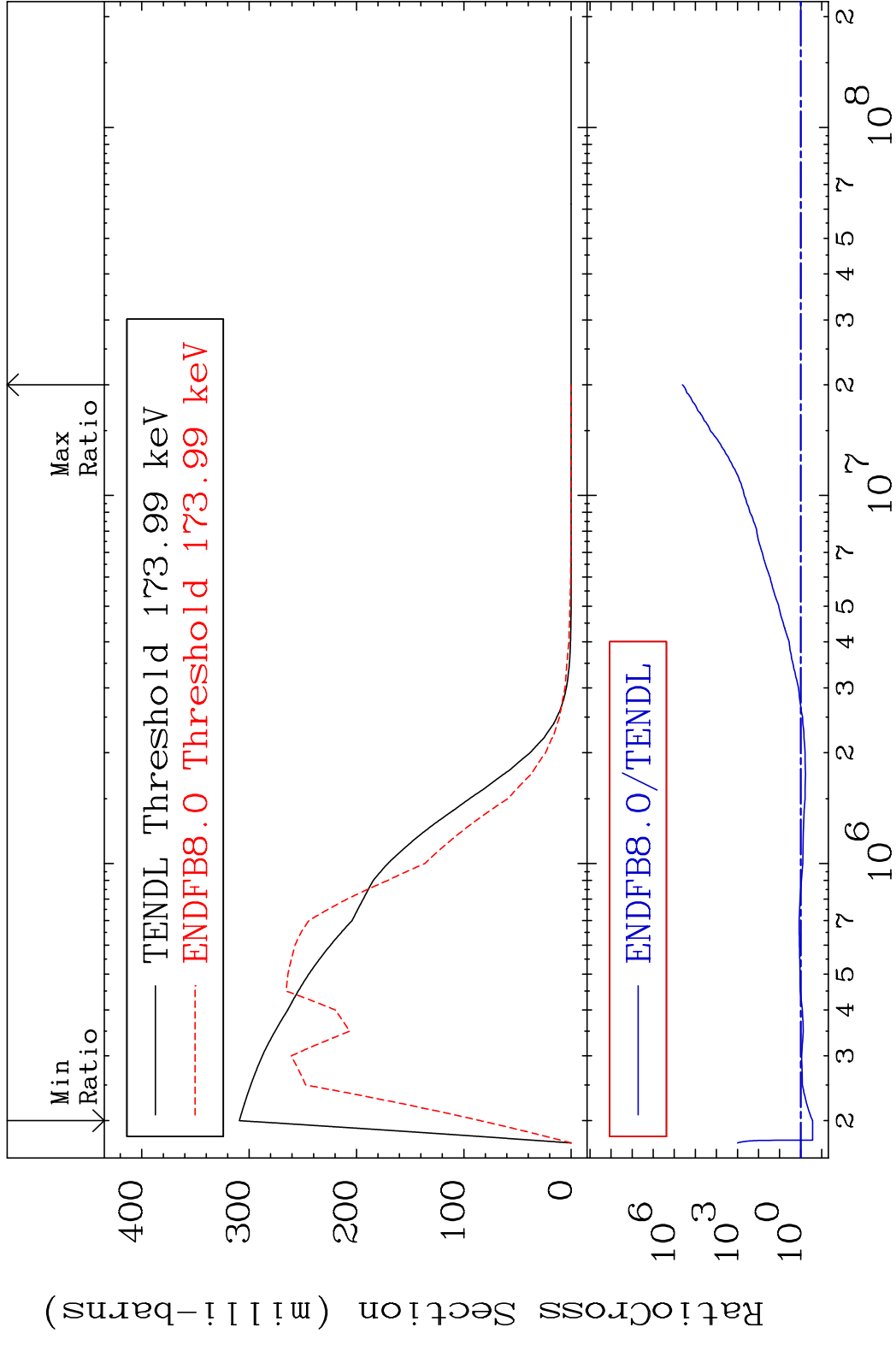


10 2 3 4 5 6 7 8 2 3 4 5 6 7 8 2 10⁵ 10⁶ 10⁷ 10⁸ 63-Eu-153

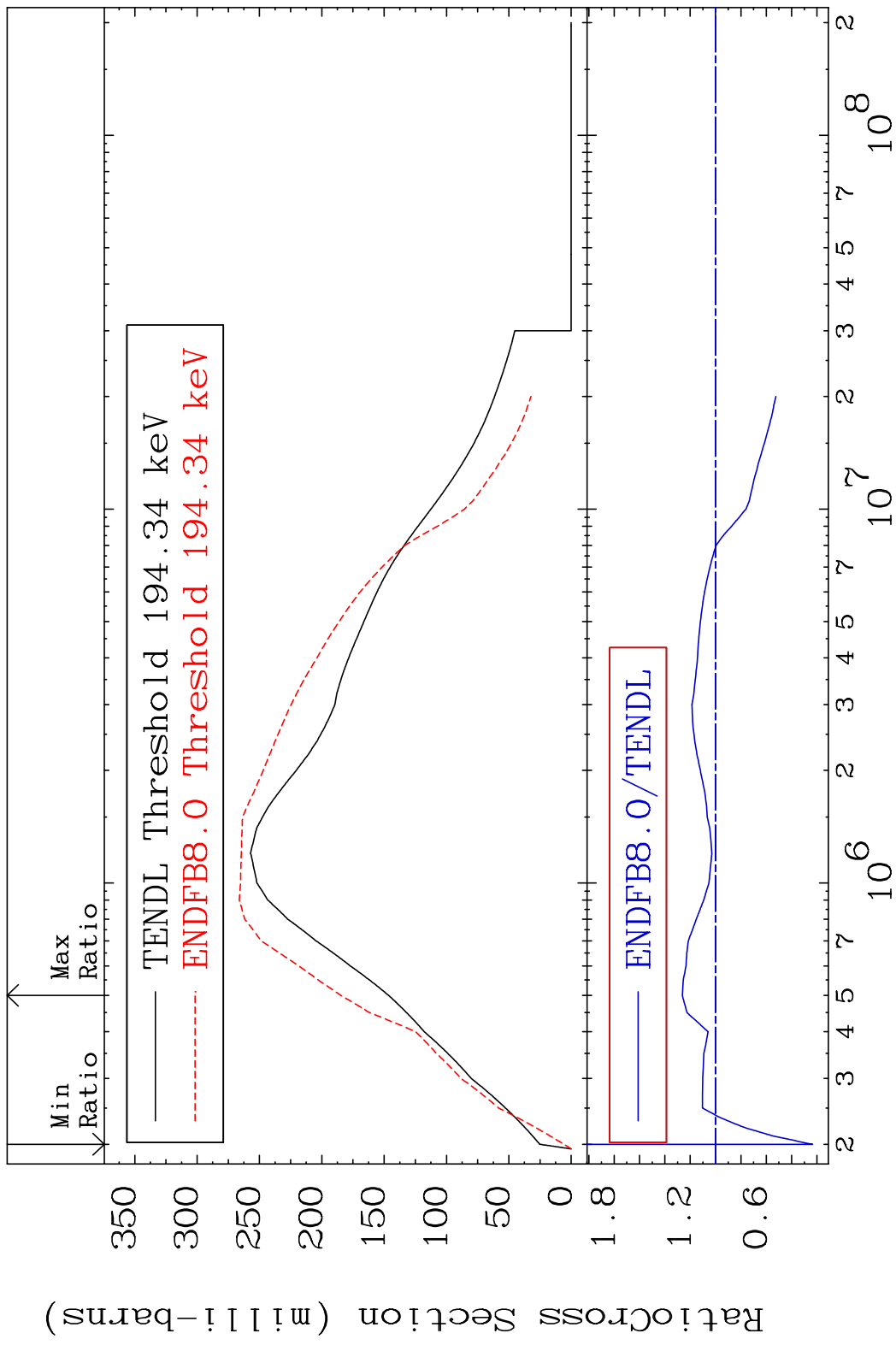
MAT 6331 MT= 54 (n, n') Level 63-Eu-153
 Cross Section -63.19 To 9999. %



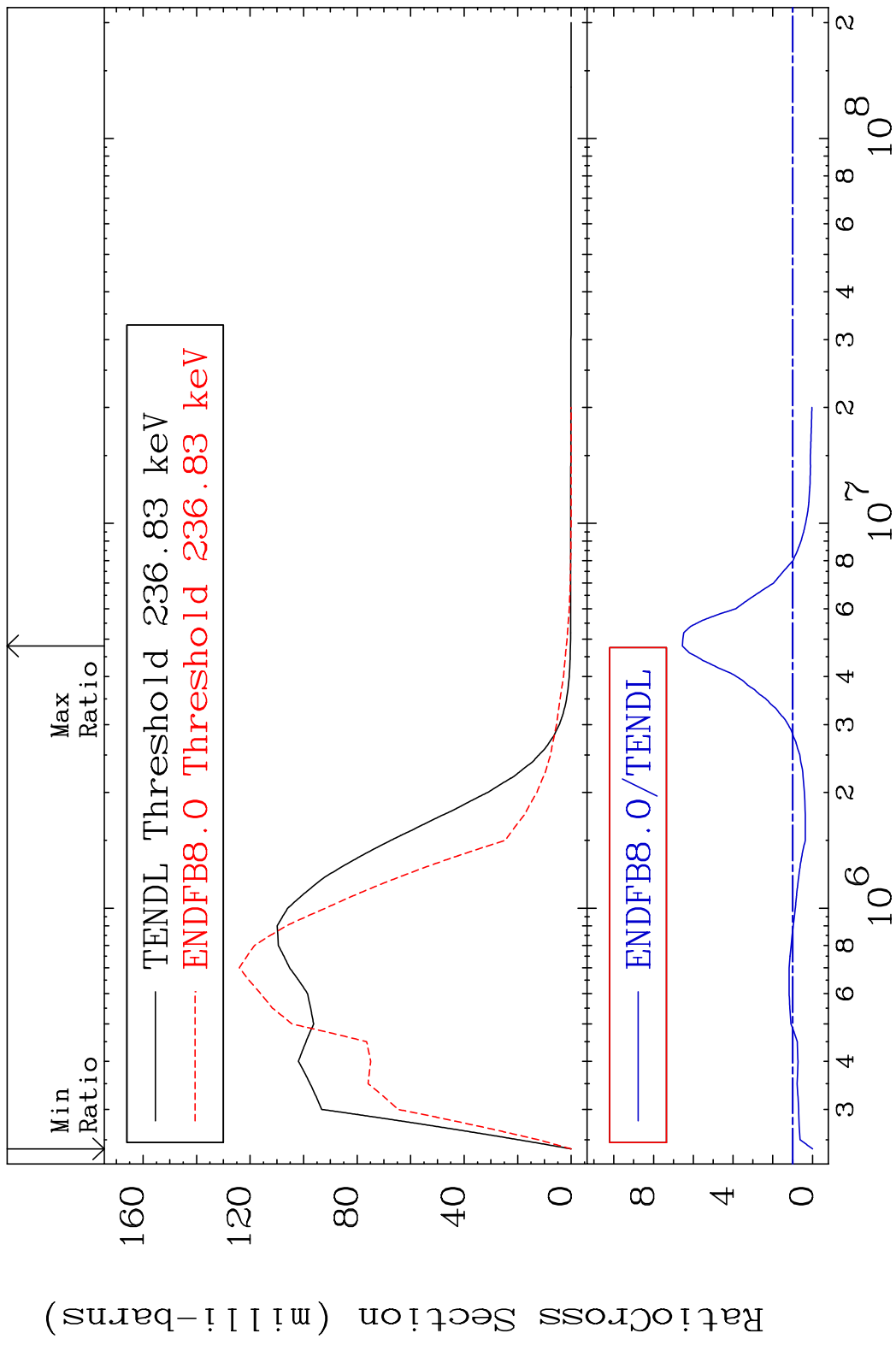
MAT 6331 MT= 55 (n,n') Level 63-Eu-153
 Cross Section -72.63 To 9999. %



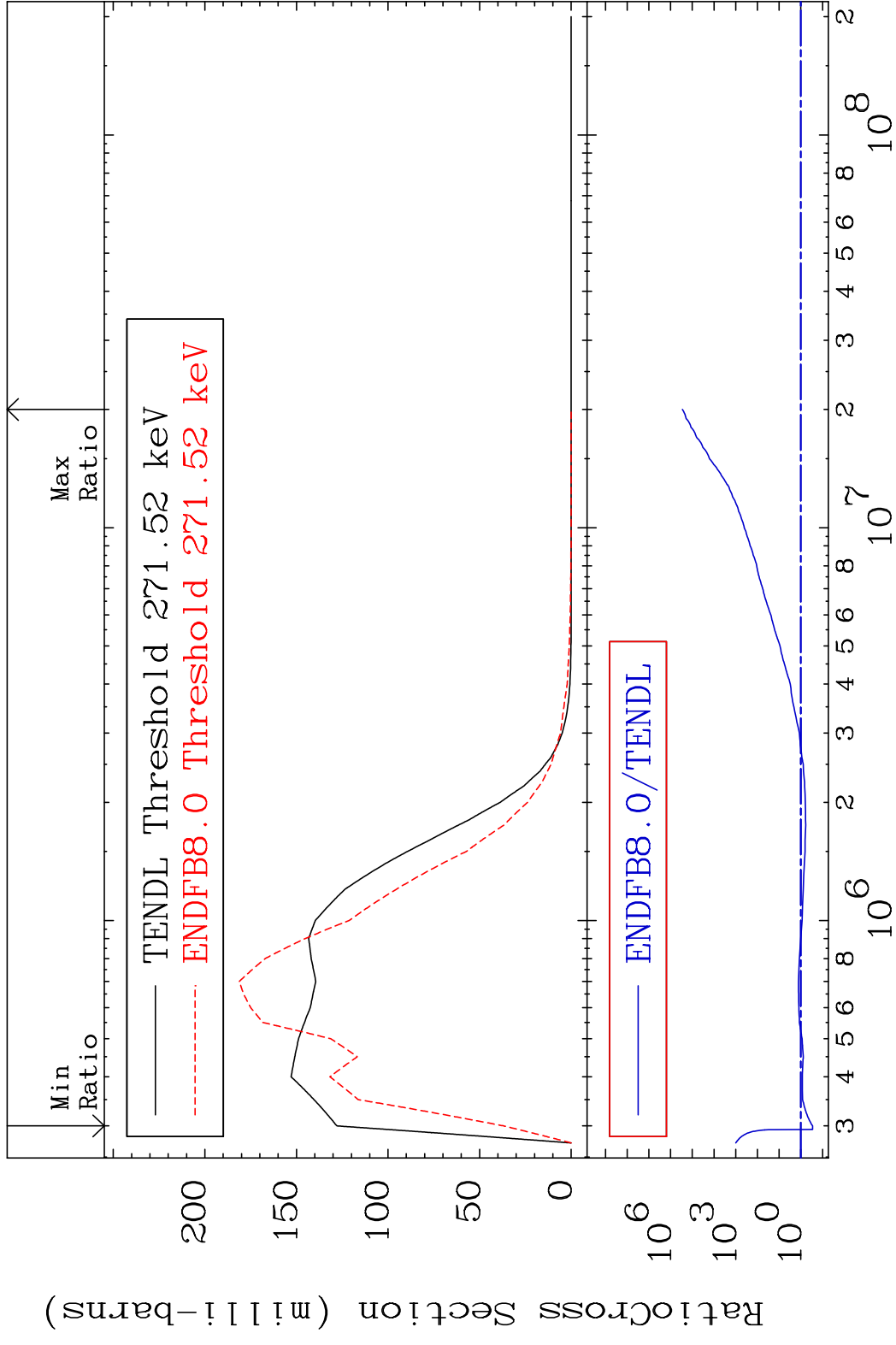
MAT 6331 MT= 56 (n, n') Level 63-Eu-153
 Cross Section -76.52 To 26.19 %



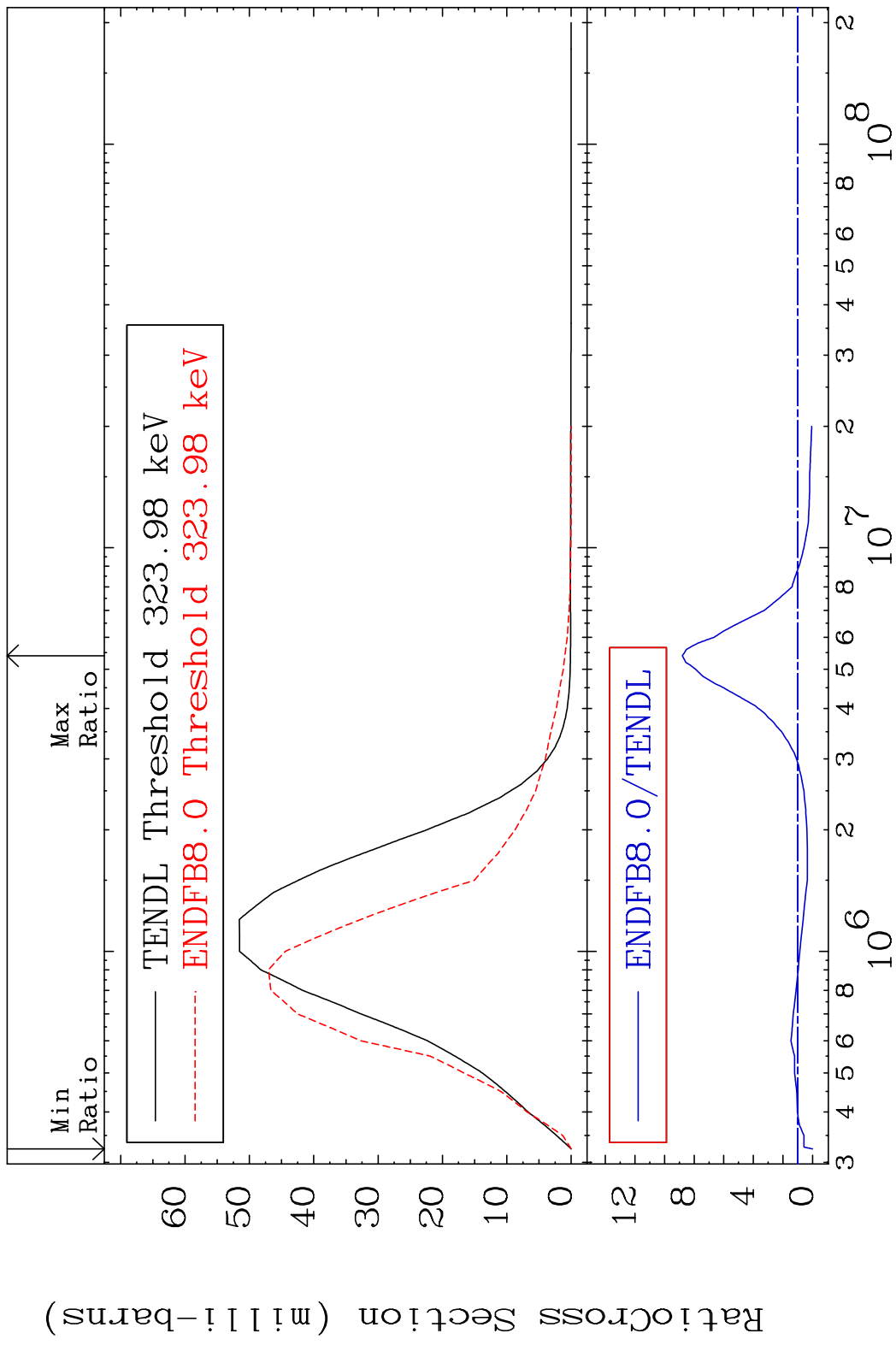
MAT 6331 MT= 57 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 555.2 %



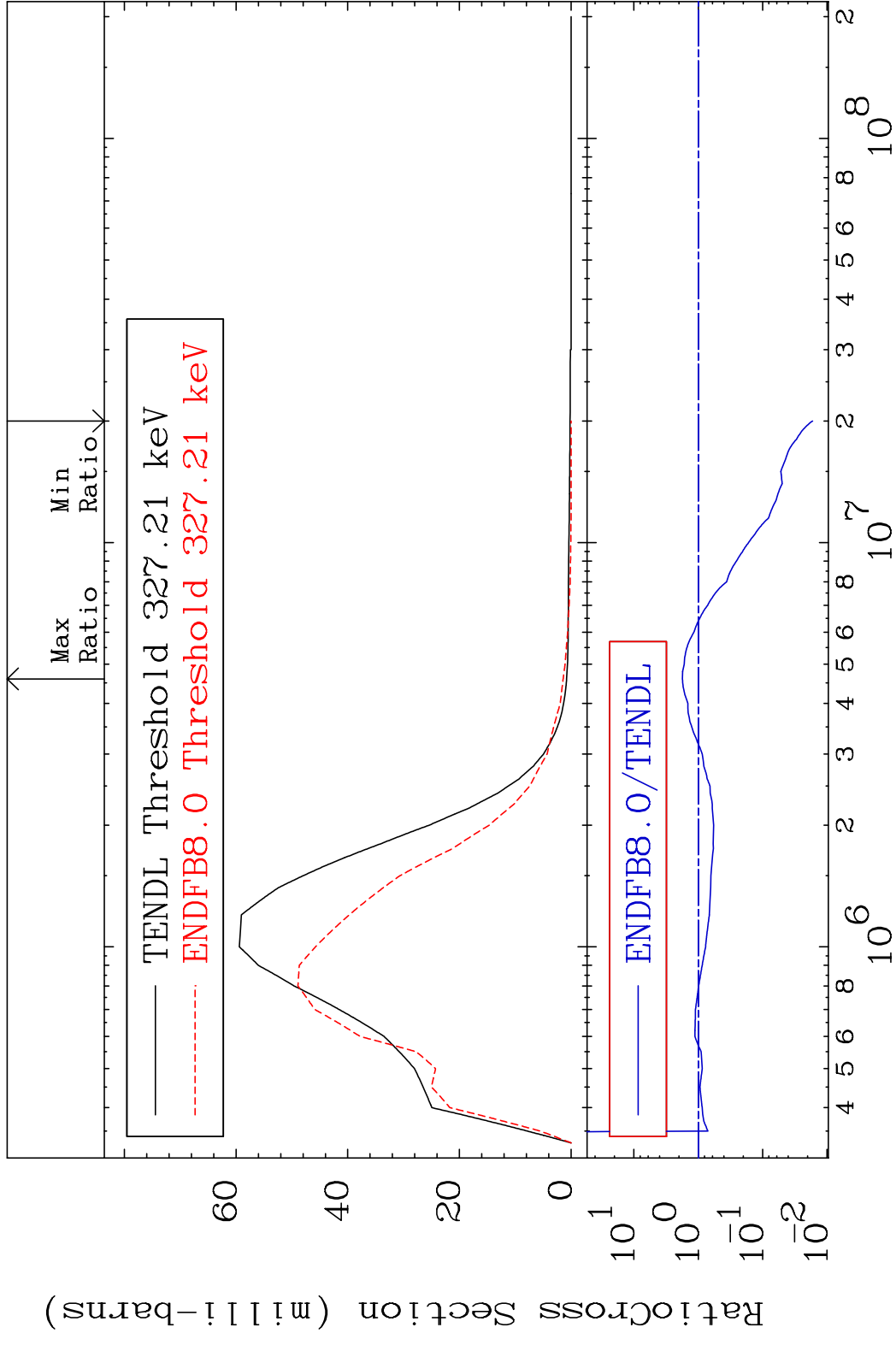
MAT 6331 MT= 58 (n,n') Level 63-Eu-153
 Cross Section -71.15 To 9999. %



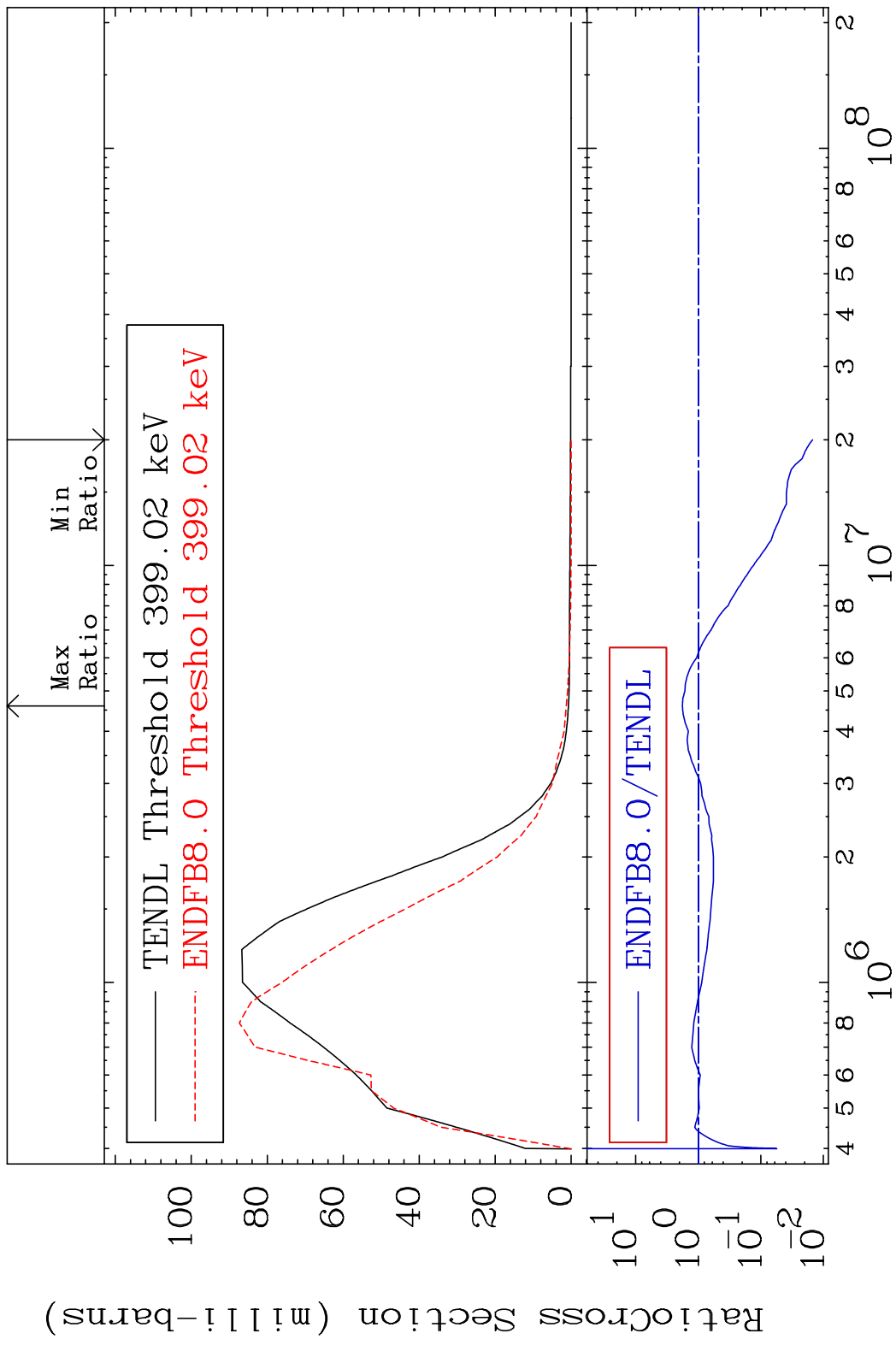
MAT 6331 MT= 59 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 779.8 %



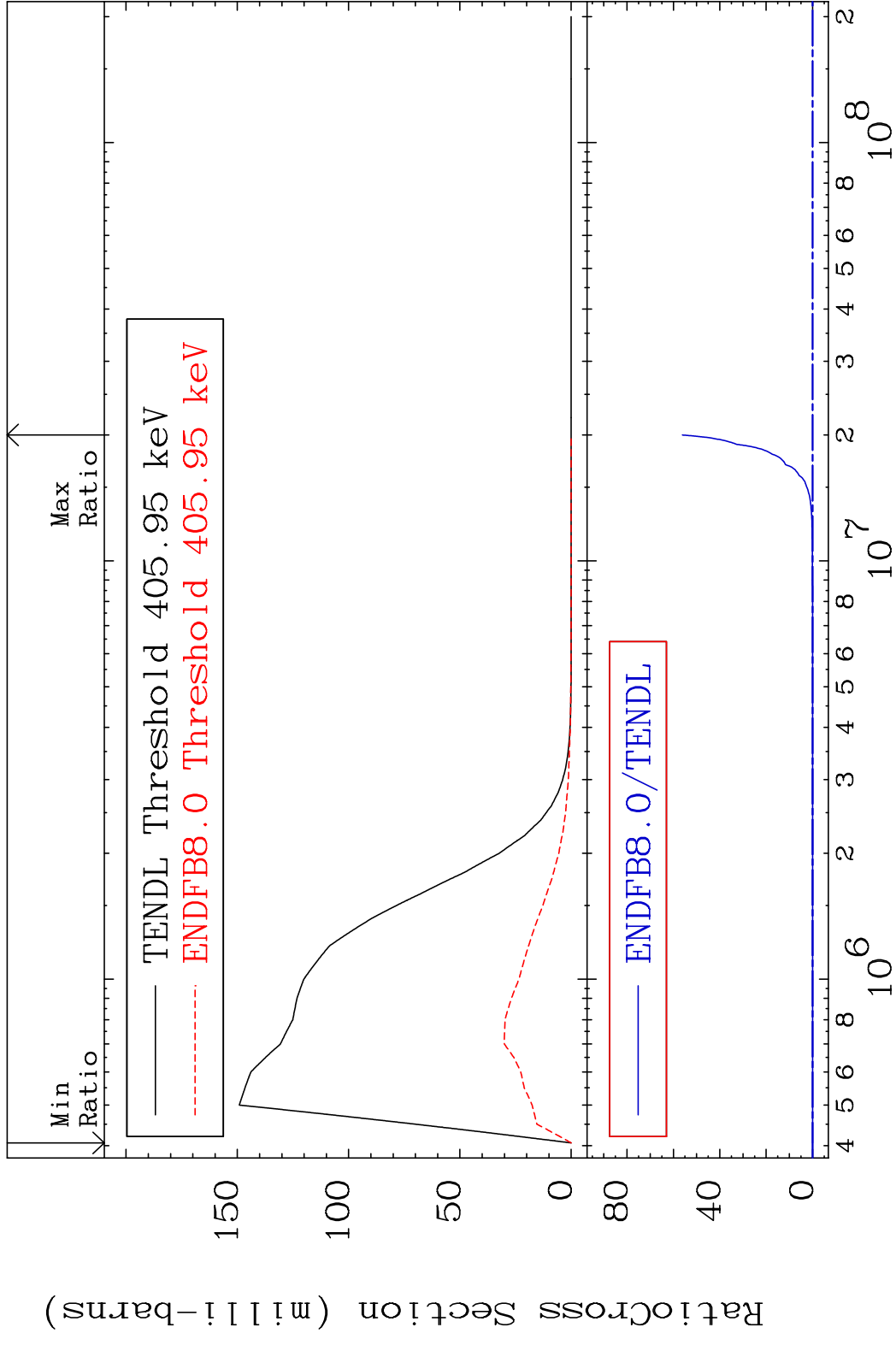
MAT 6331 MT= 60 (n, n') Level 63-Eu-153
 Cross Section -98.32 To 76.65 %



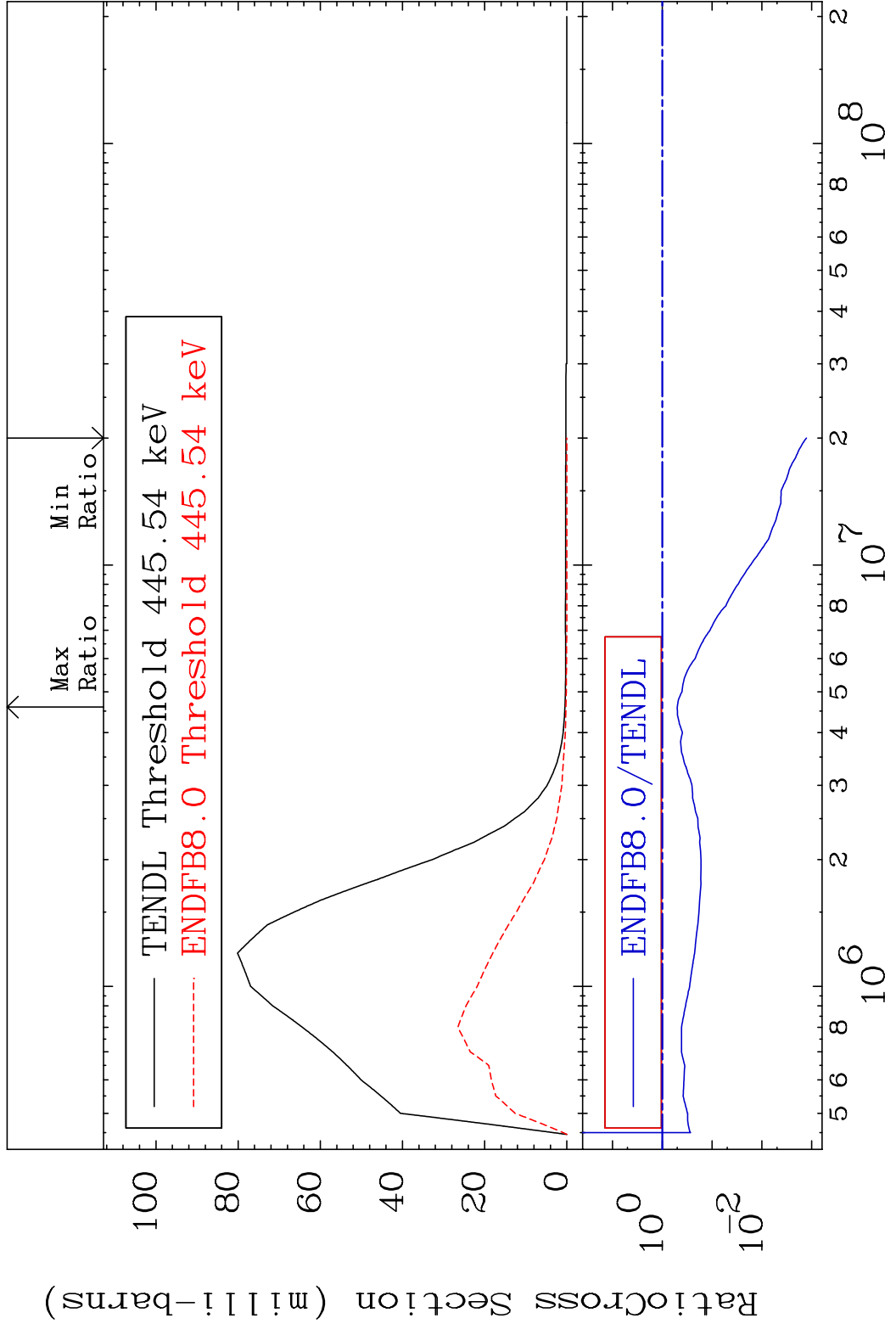
MAT 6331 MT= 61 (n, n') Level 63-Eu-153
 Cross Section -98.51 To 79.79 %



MAT 6331 MT= 62 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %

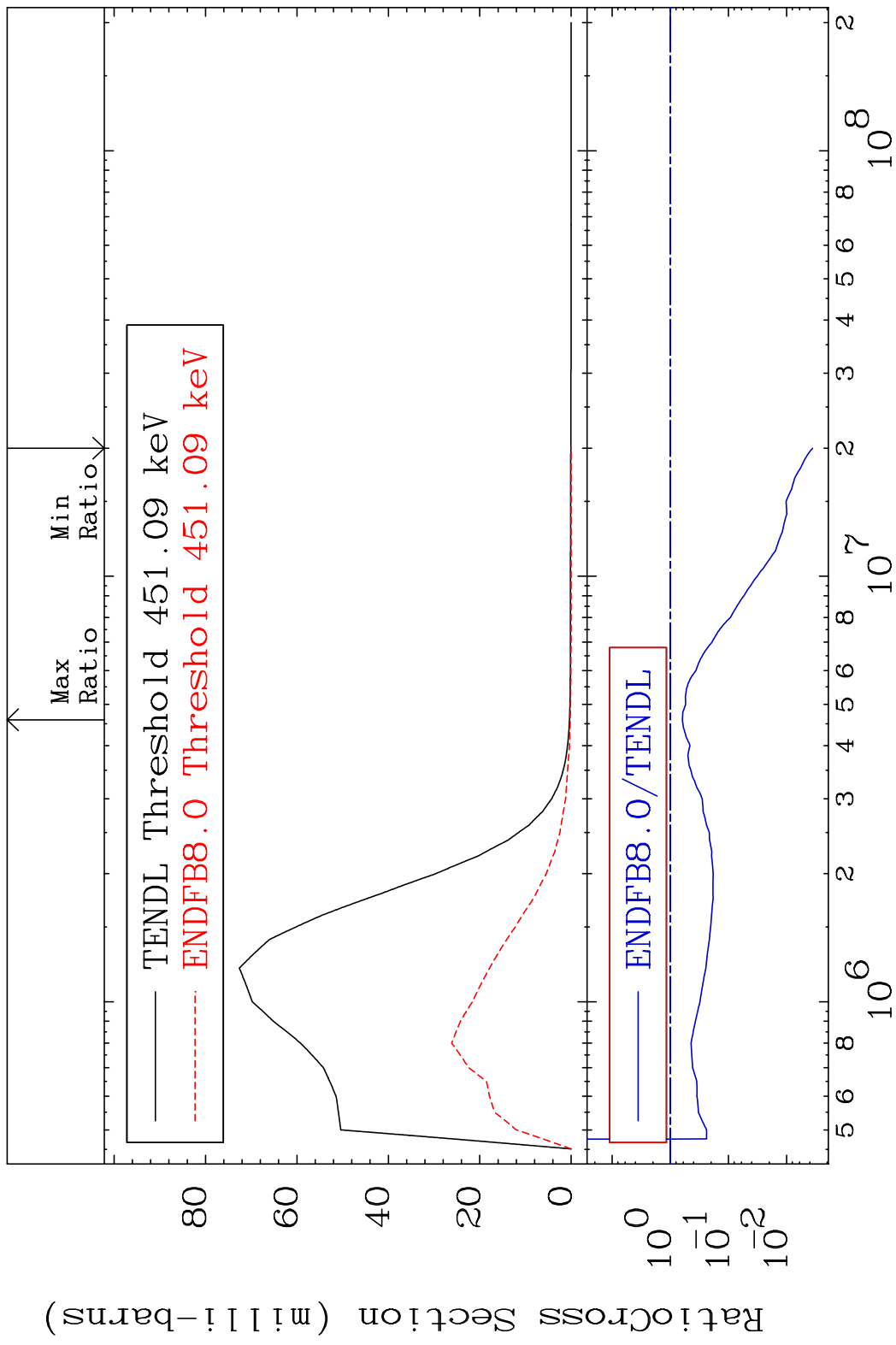


MAT 6331 MT= 63 (n, n') Level 63-Eu-153
 Cross Section -99.87 To -49.66%

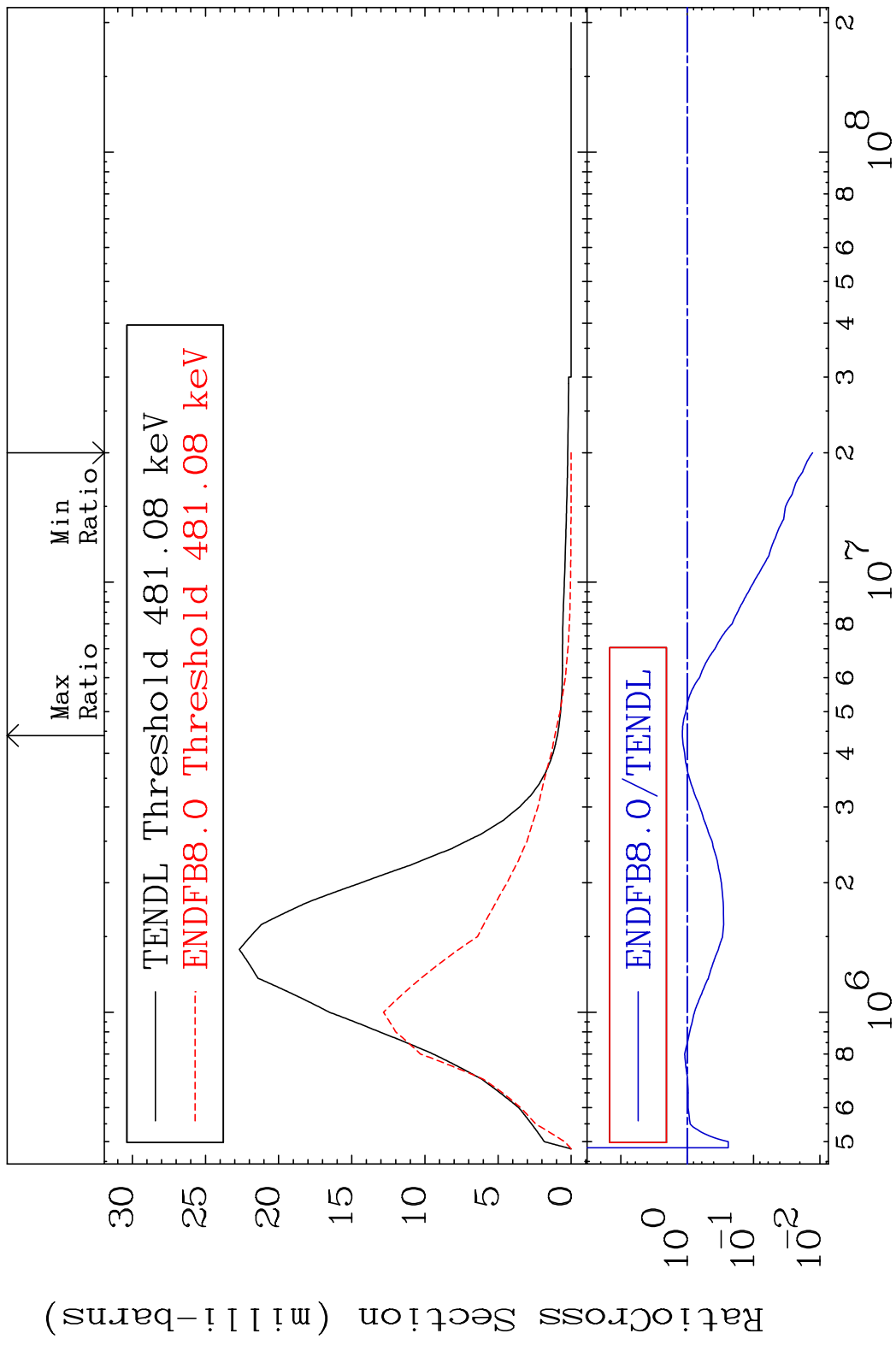


20 Incident Energy (eV) 63-Eu-153

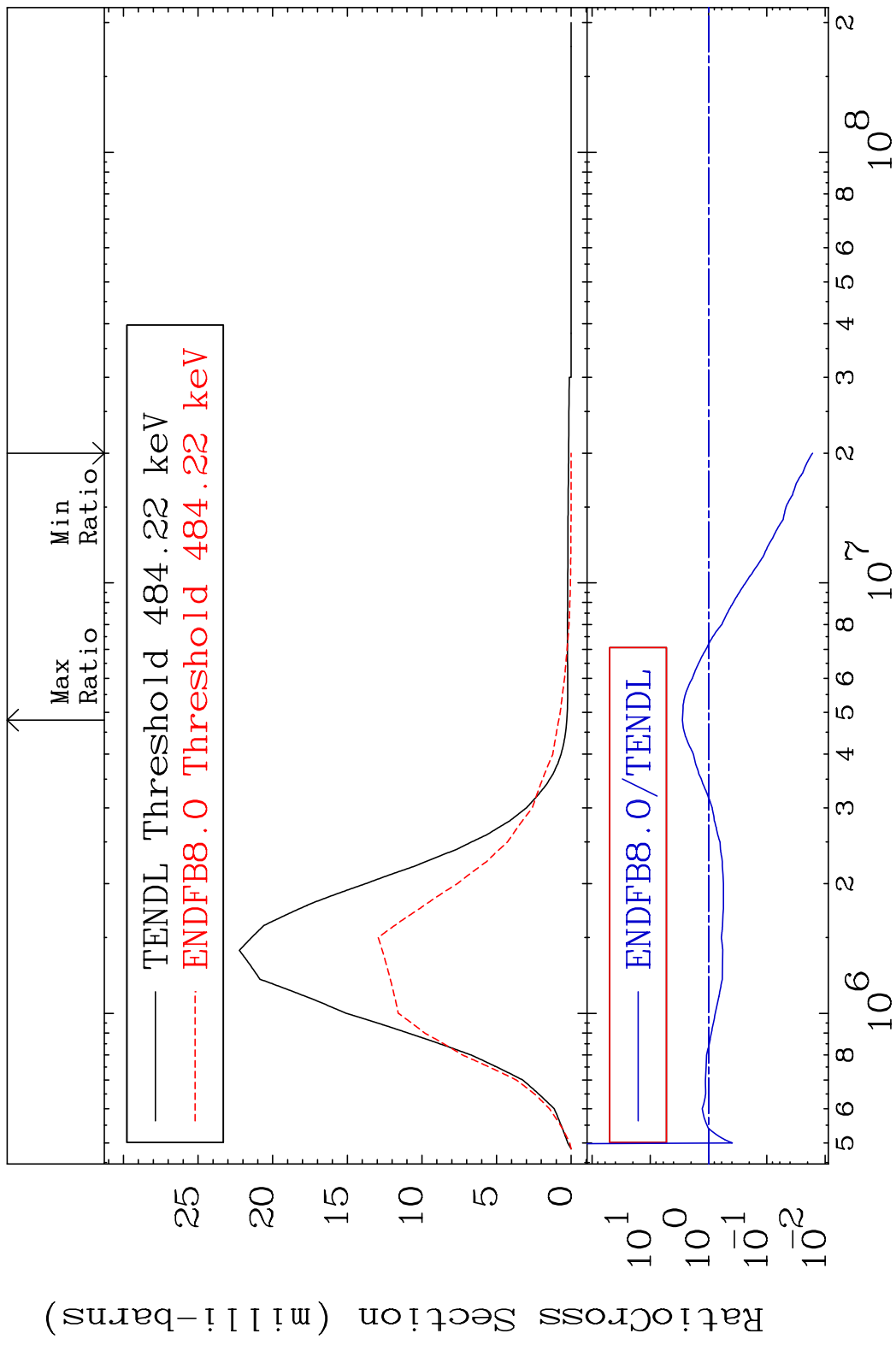
MAT 6331 MT= 64 (n, n') Level 63-Eu-153
 Cross Section -99.64 To -37.74%



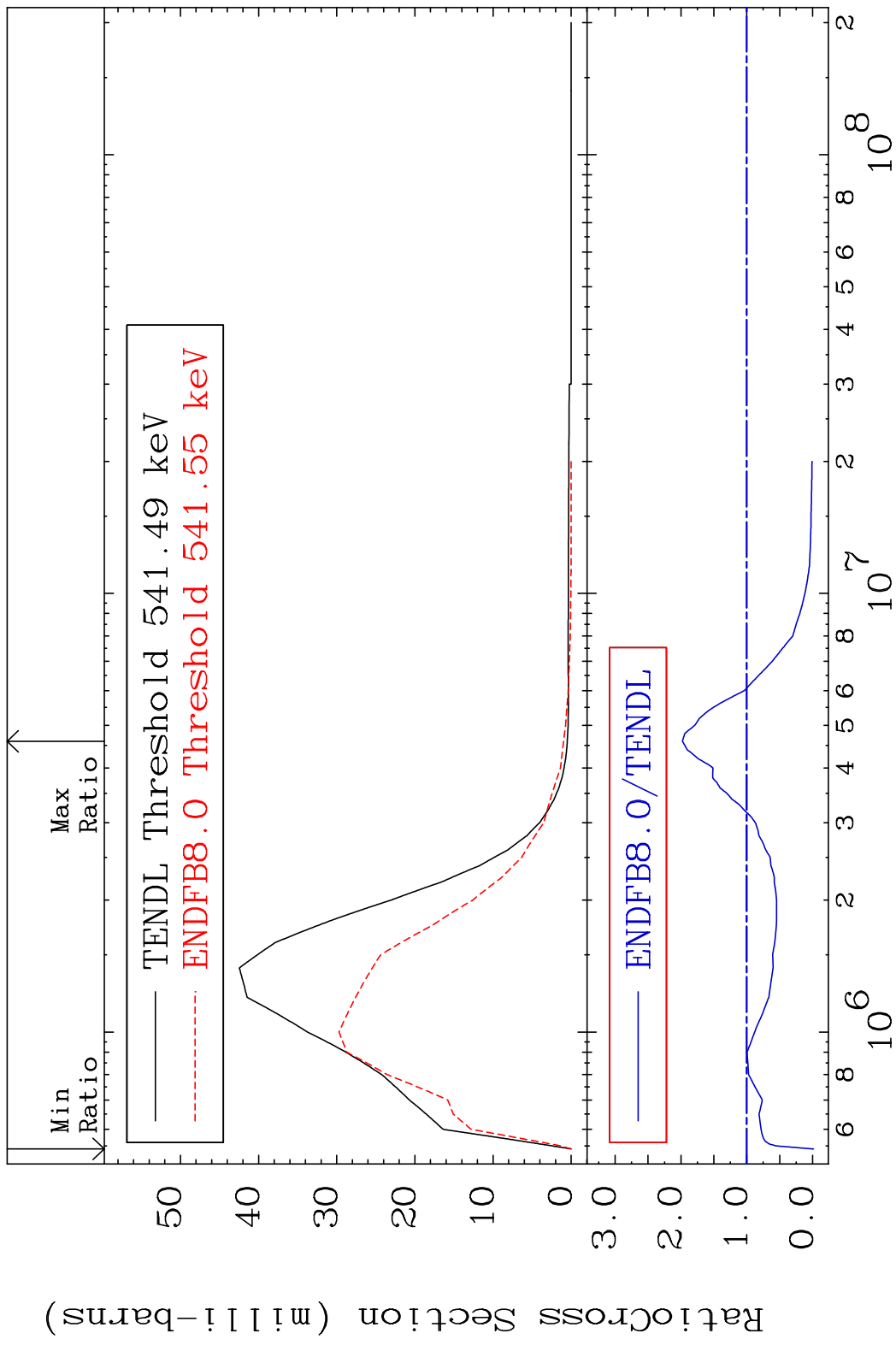
MAT 6331 MT= 65 (n, n') Level 63-Eu-153
 Cross Section -98.71 To 18.01 %



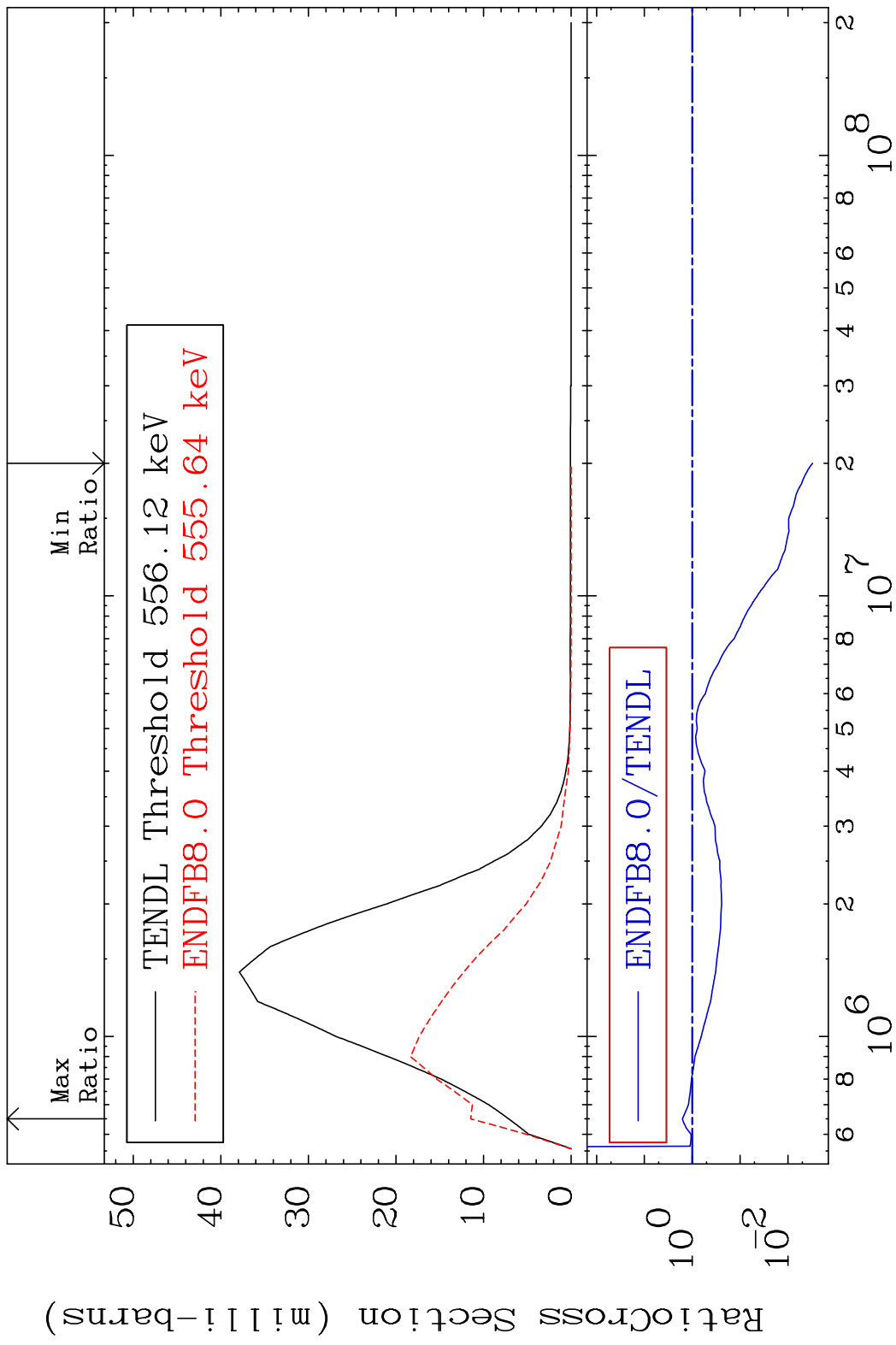
MAT 6331 MT= 66 (n, n') Level 63-Eu-153
 Cross Section -98.36 To 182.1 %



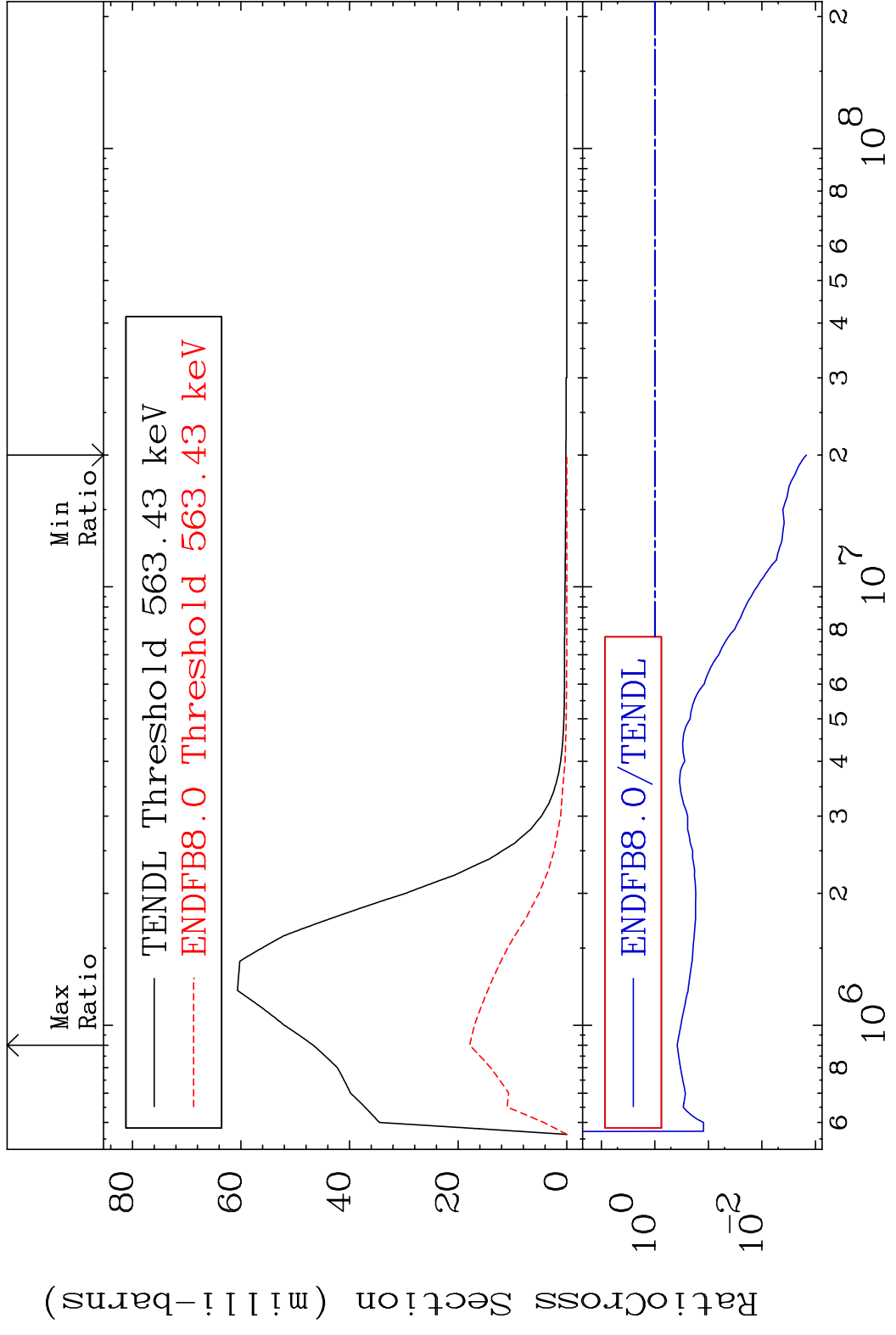
MAT 6331 MT= 67 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 97.88 %



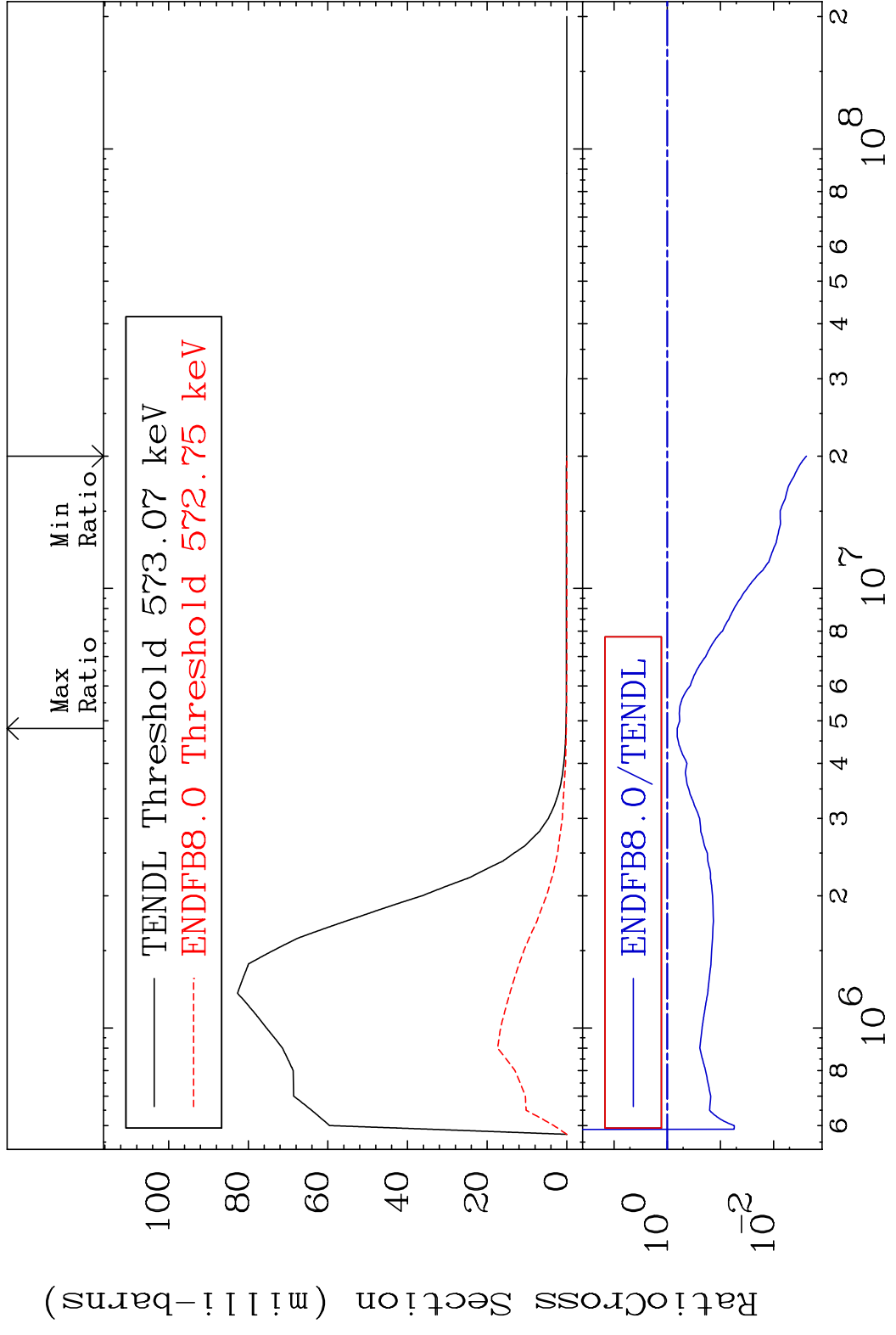
MAT 6331 MT= 68 (n, n') Level 63-Eu-153
 Cross Section -99.69 To 60.80 %



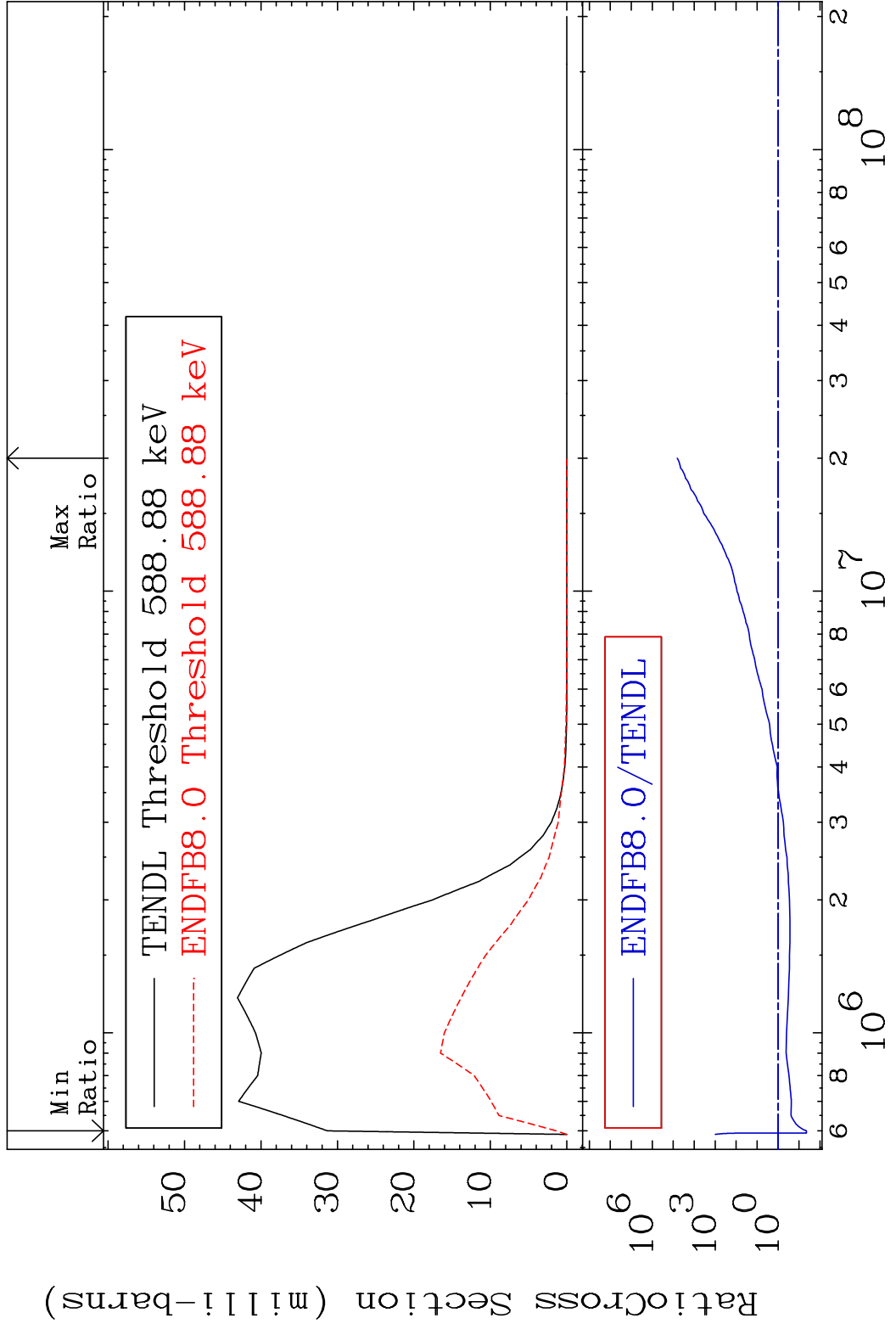
MAT 6331 MT= 69 (n, n') Level 63-Eu-153
 Cross Section -99.85 To -61.69%



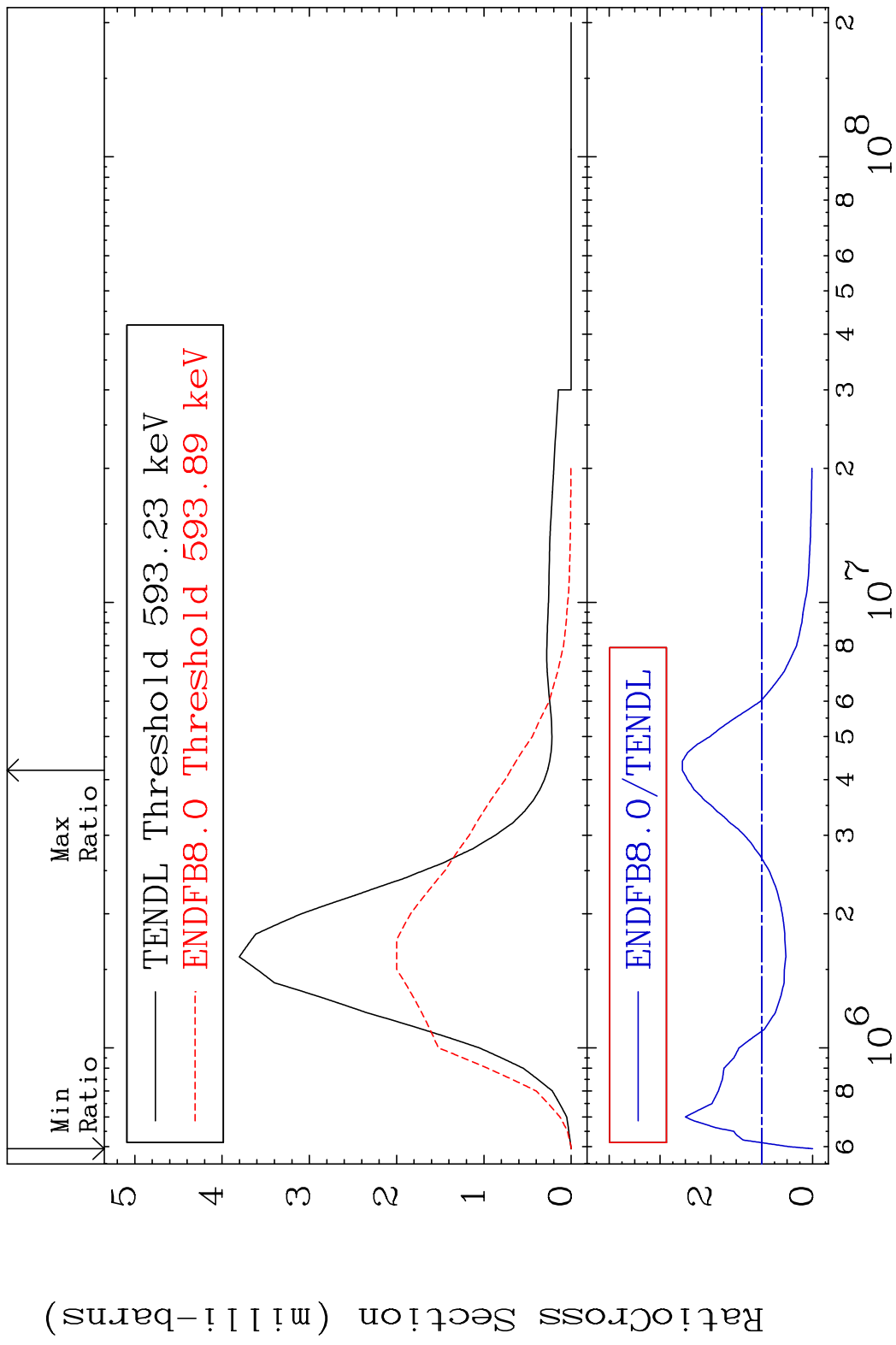
MAT 6331 MT= 70 (n, n') Level 63-Eu-153
 Cross Section -99.76 To -35.19%



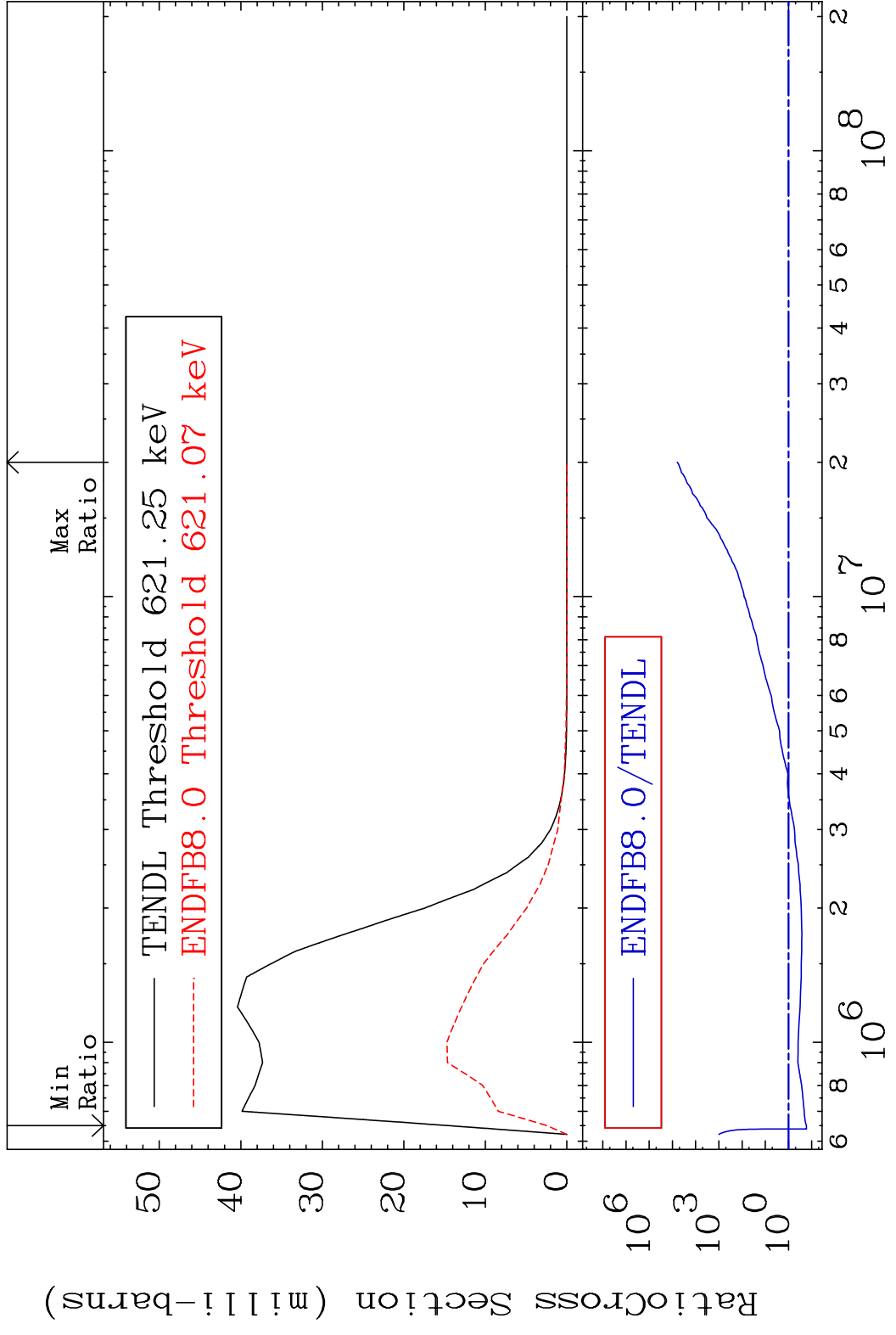
MAT 6331 MT= 71 (n, n') Level 63-Eu-153
 Cross Section -95.56 To 9999. %



MAT 6331 MT= 72 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 156.1 %

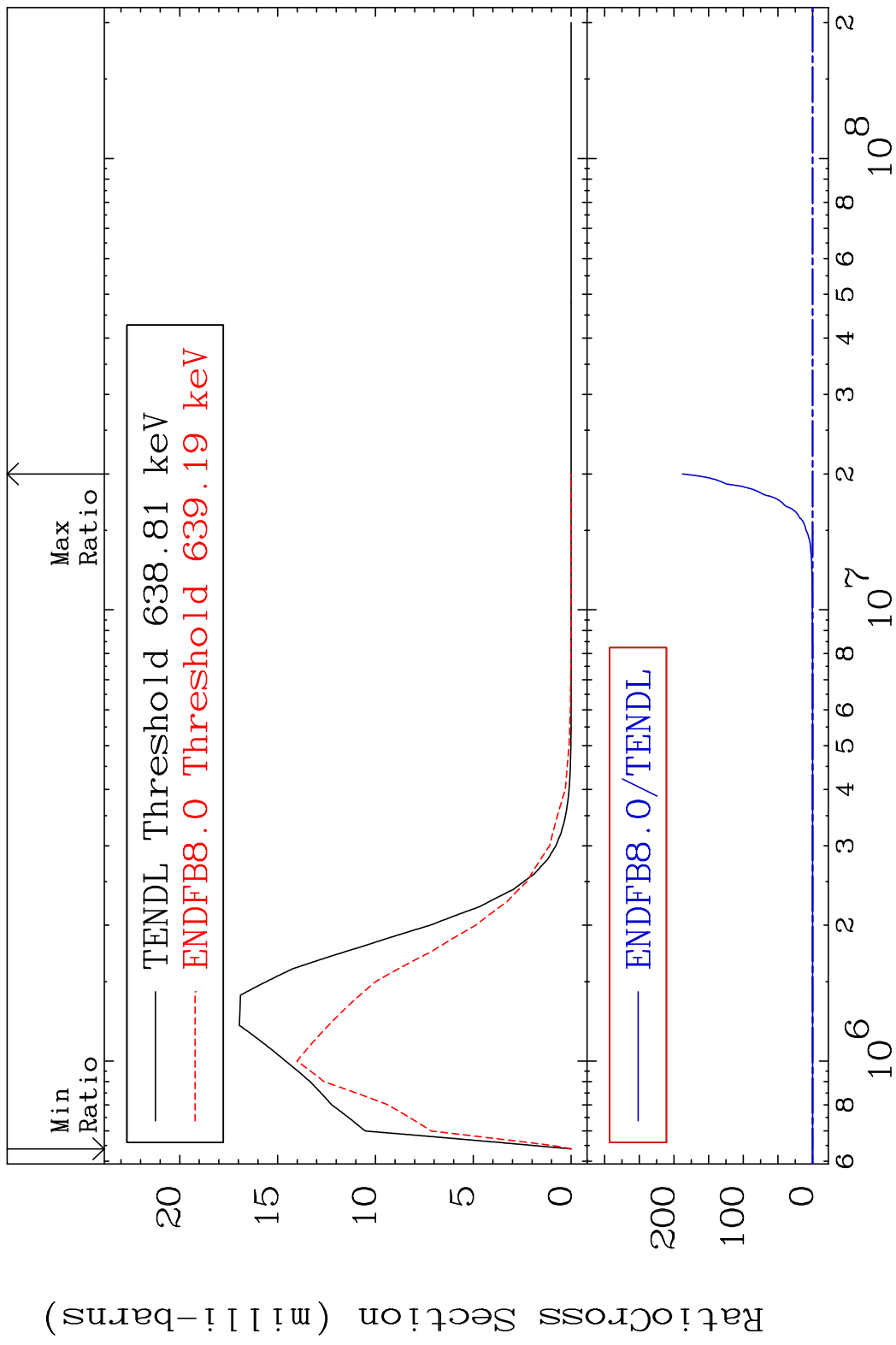


MAT 6331 MT= 73 (n, n') Level 63-Eu-153
 Cross Section -83.04 To 9999. %

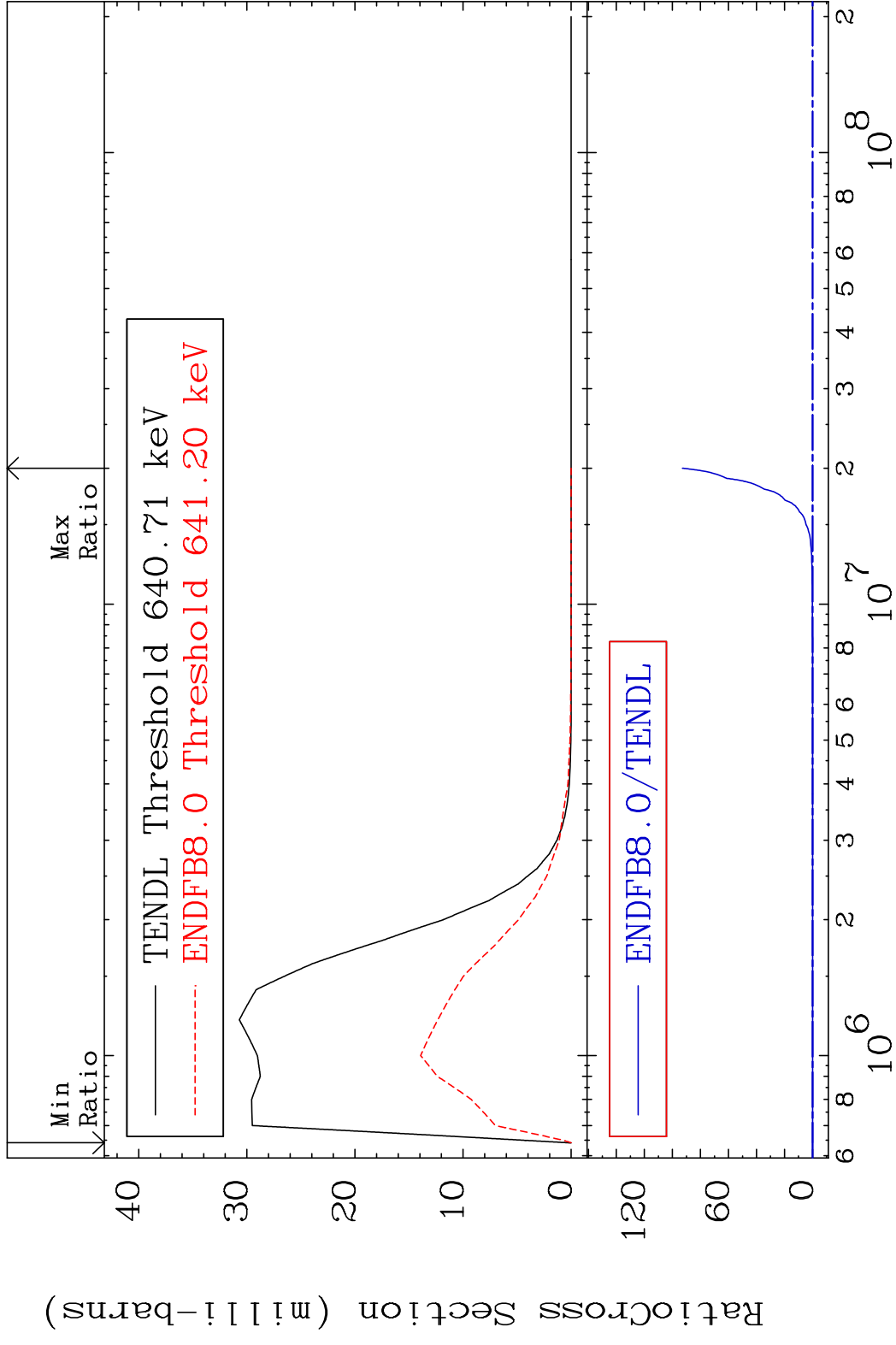


30 Incident Energy (eV) 63-Eu-153

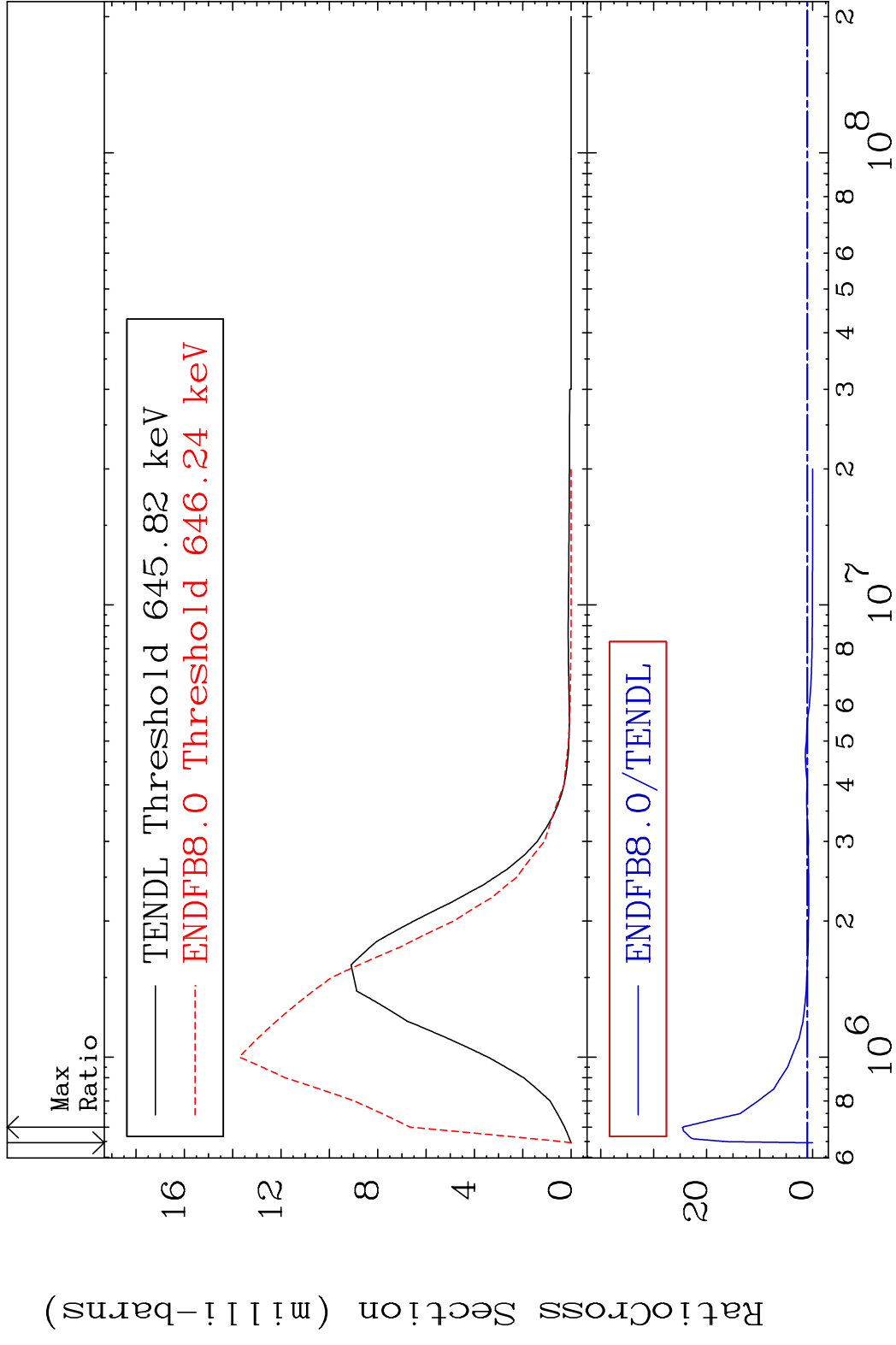
MAT 6331 MT= 74 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



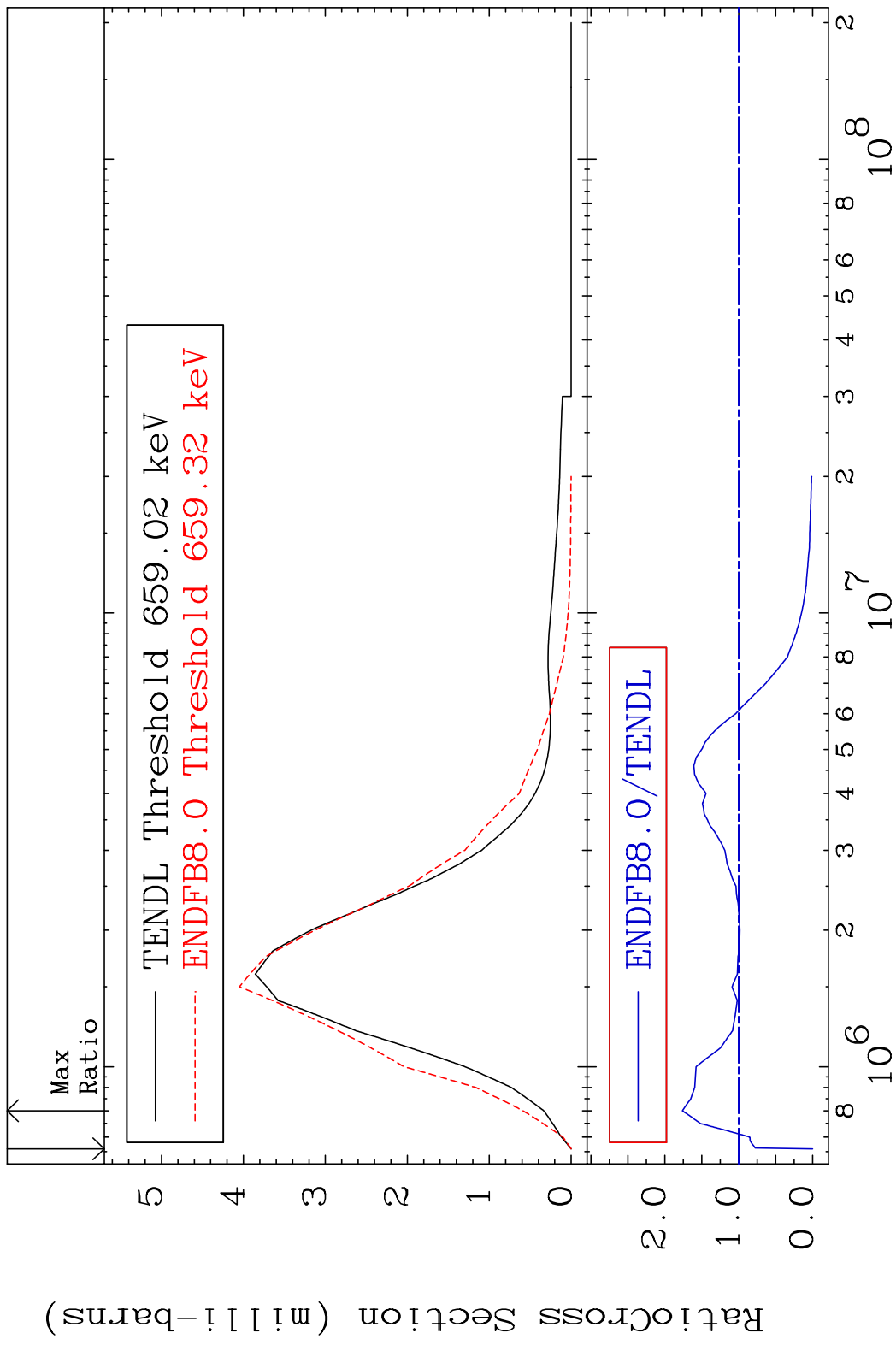
MAT 6331 MT= 75 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



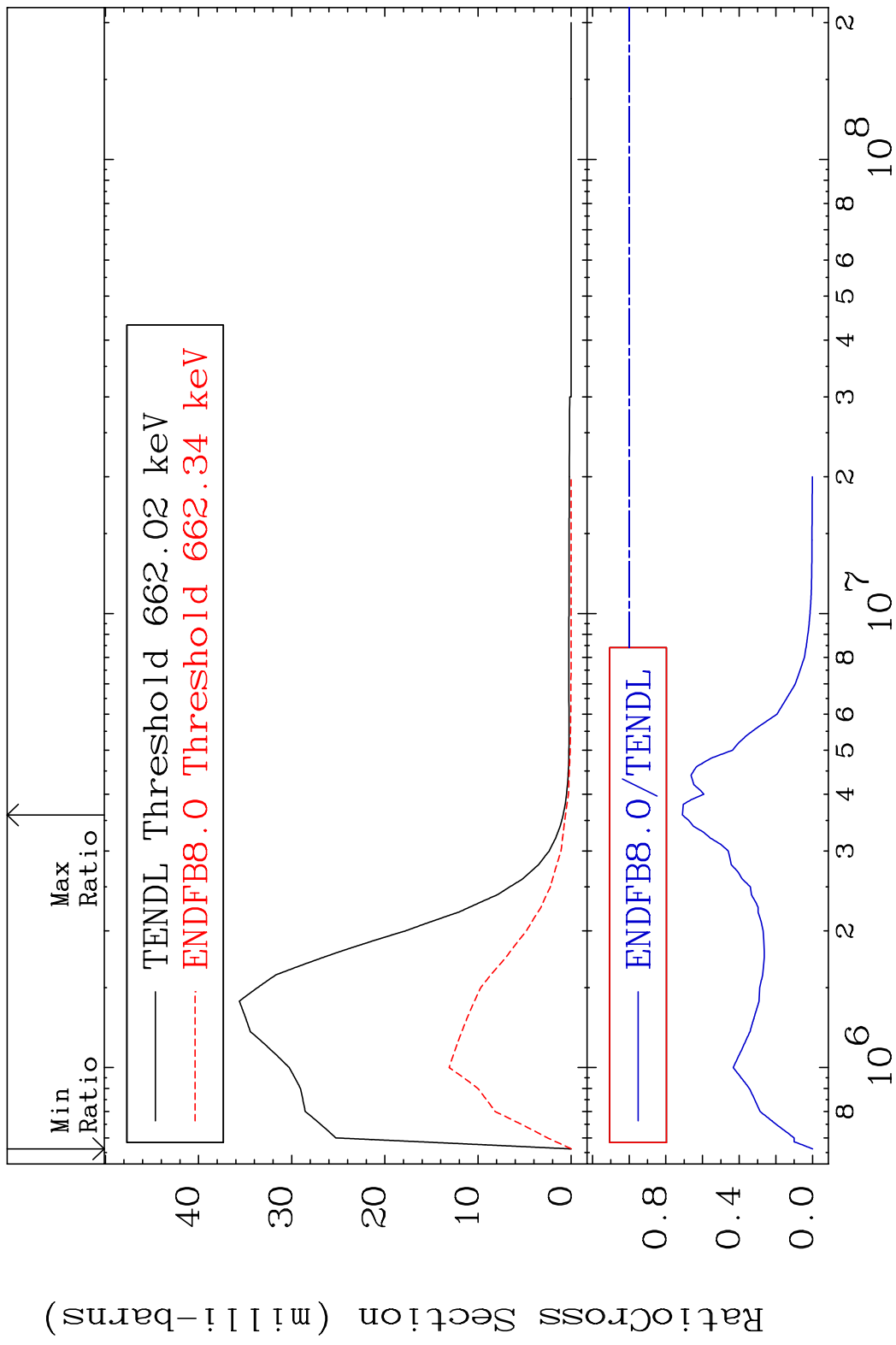
MAT 6331 MT= 76 (n,n') Level 63-Eu-153
 Cross Section -100.0 To 2358. %



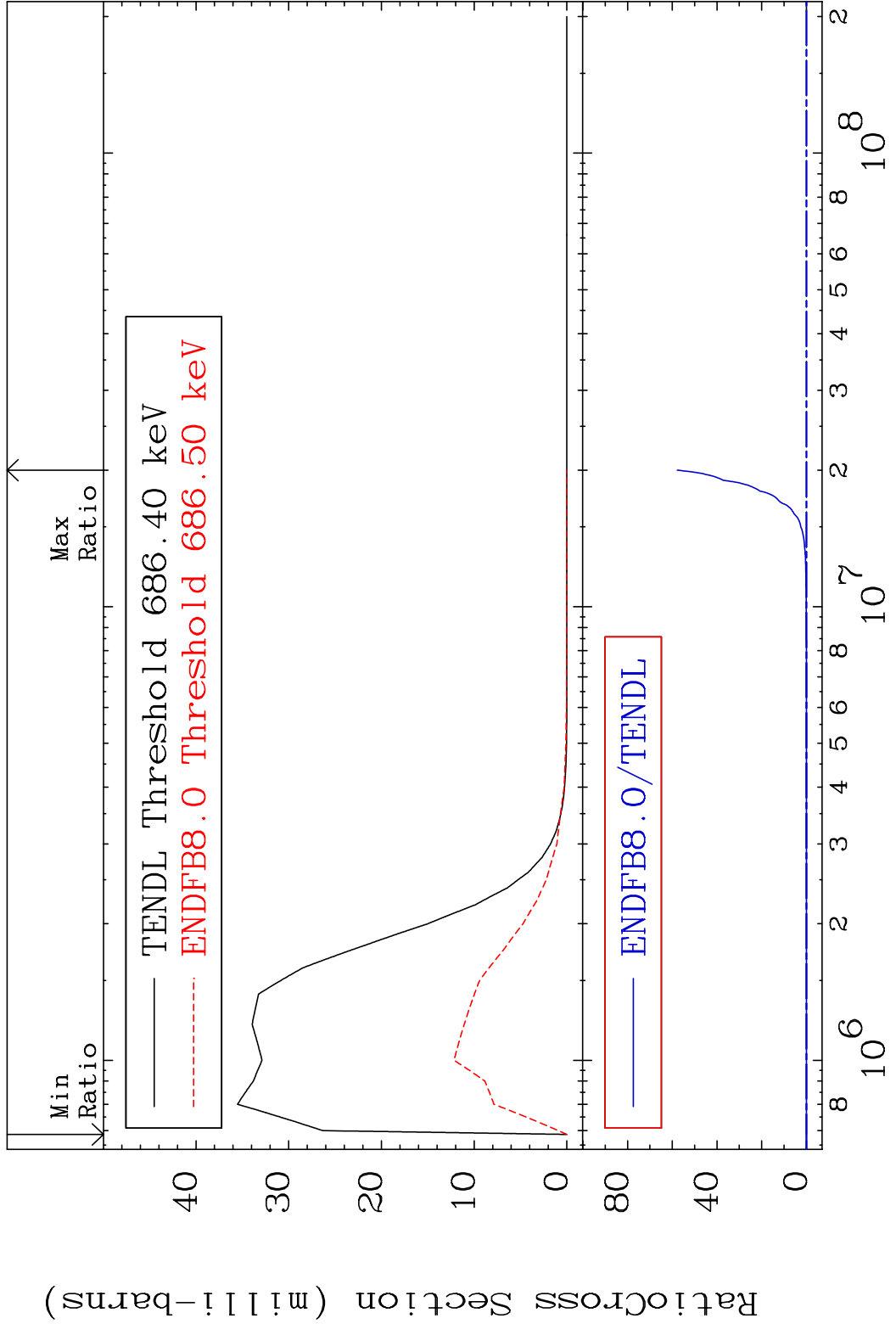
MAT 6331 MT= 77 (n,n') Level 63-Eu-153
 Cross Section -100.0 To 76.18 %



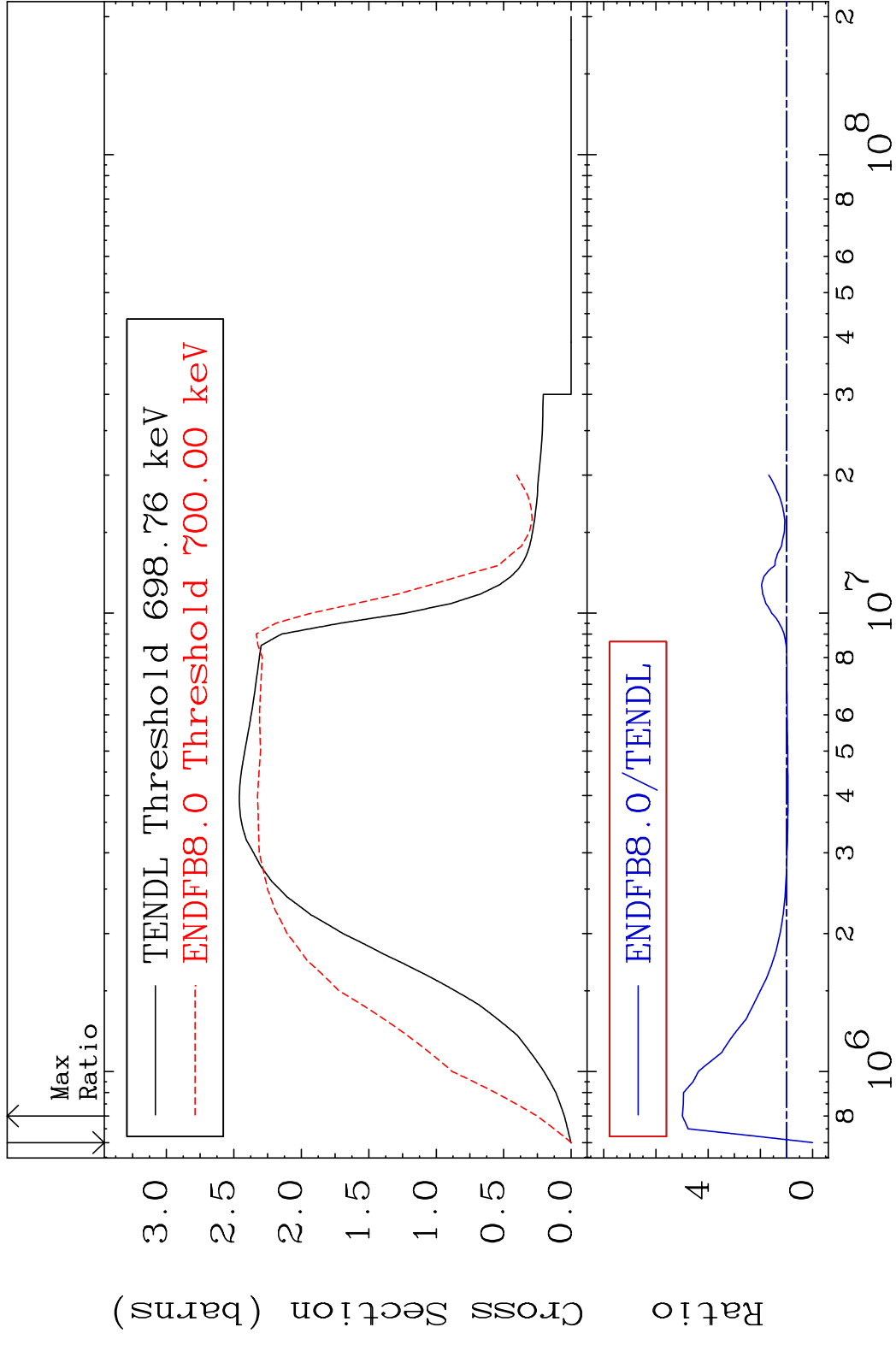
MAT 6331 MT= 78 (n, n') Level 63-Eu-153
 Cross Section -100.0 To -29.01%



MAT 6331 MT= 79 (n, n') Level 63-Eu-153
 Cross Section -100.0 To 9999. %



MAT 6331 (n,n') Continuum 63-Eu-153
 Cross Section -100.0 To 399.0 %

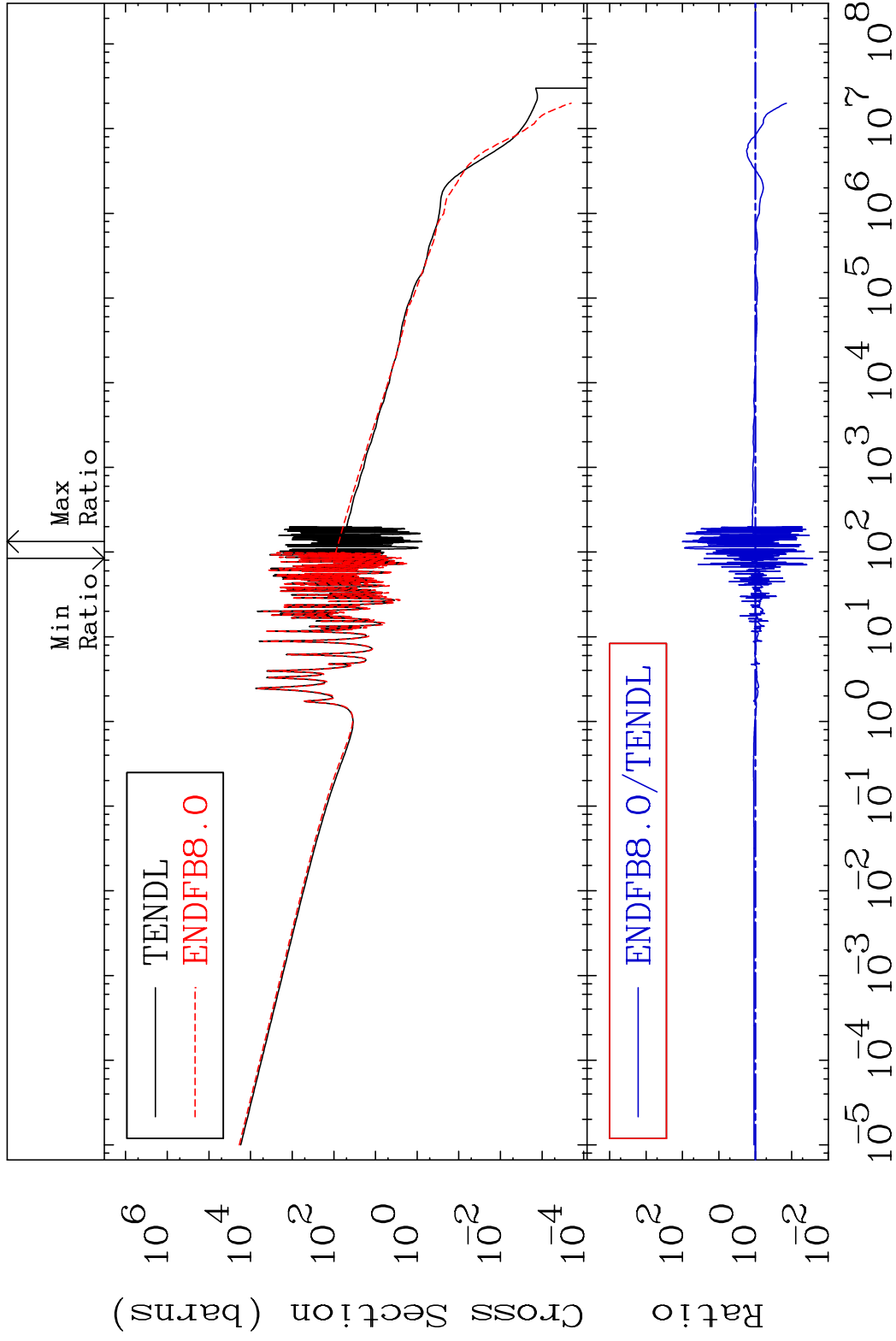


MAT 6331

(n, γ)

63-Eu-153

Cross Section -97.32 To 9986. %



38

Incident Energy (eV)

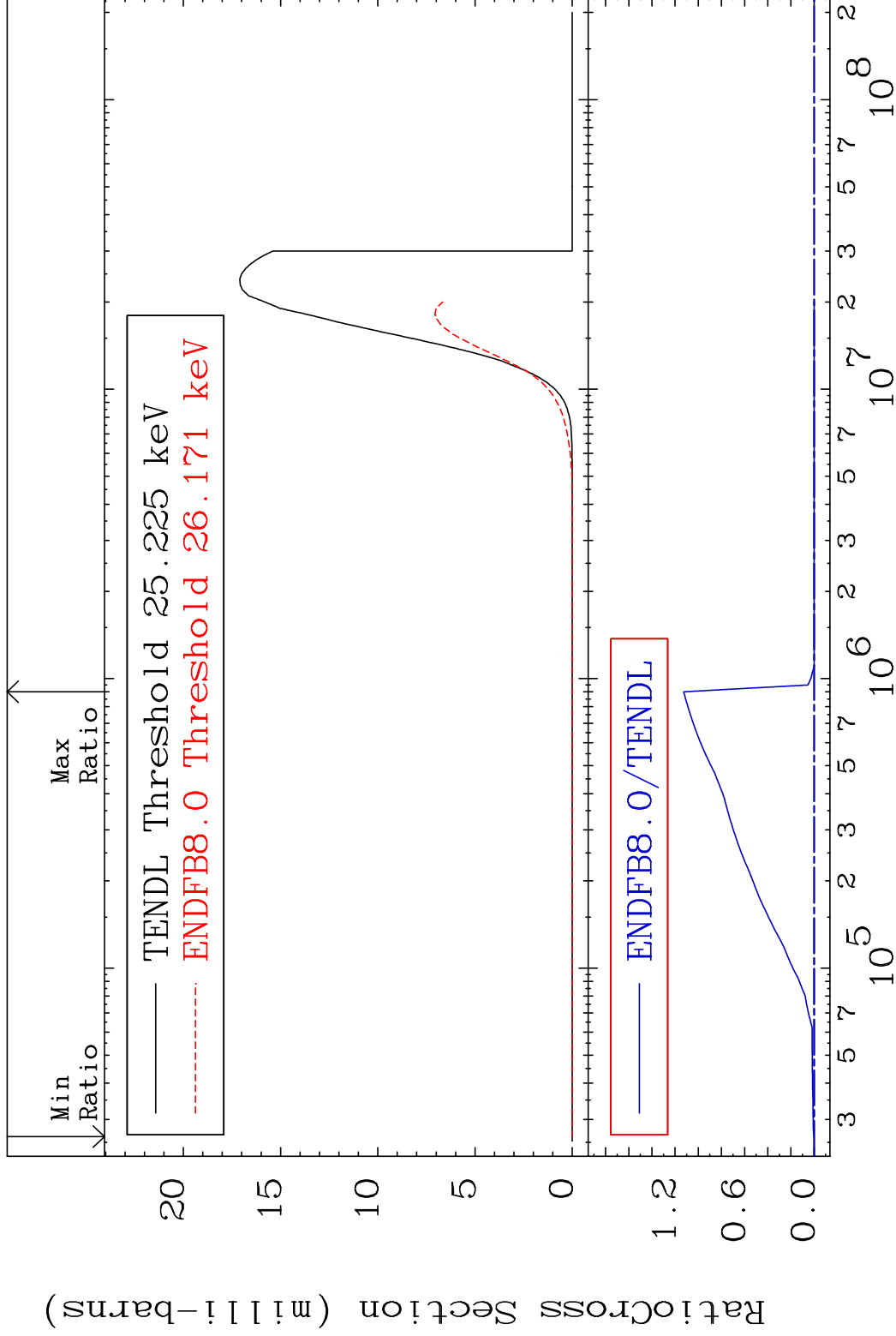
63-Eu-153

MAT 6331

(n,p)

63-Eu-153

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

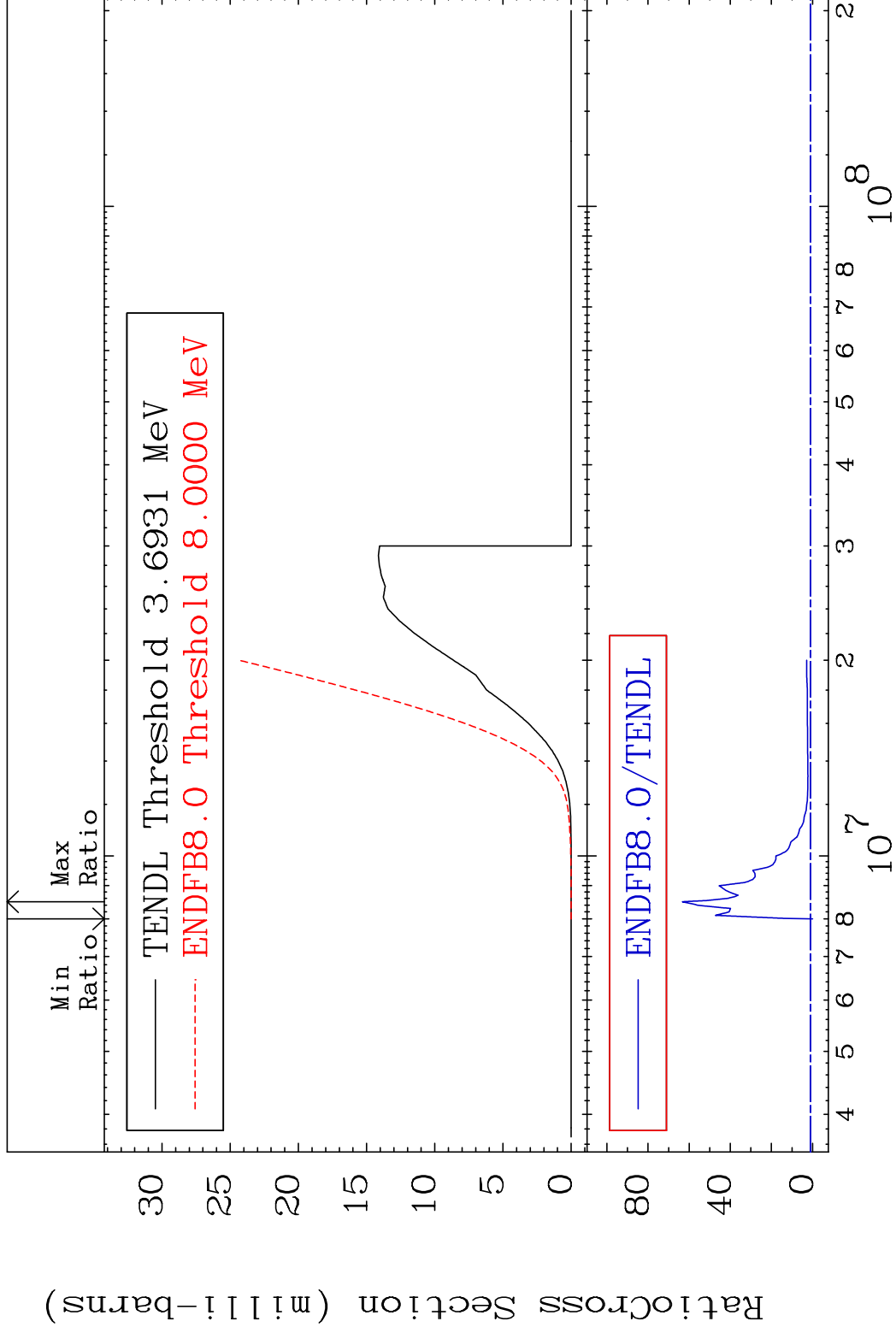
63-Eu-153

MAT 6331

(n,d)

63-Eu-153

Cross Section -100.0 To 6232. %



40

Incident Energy (eV)

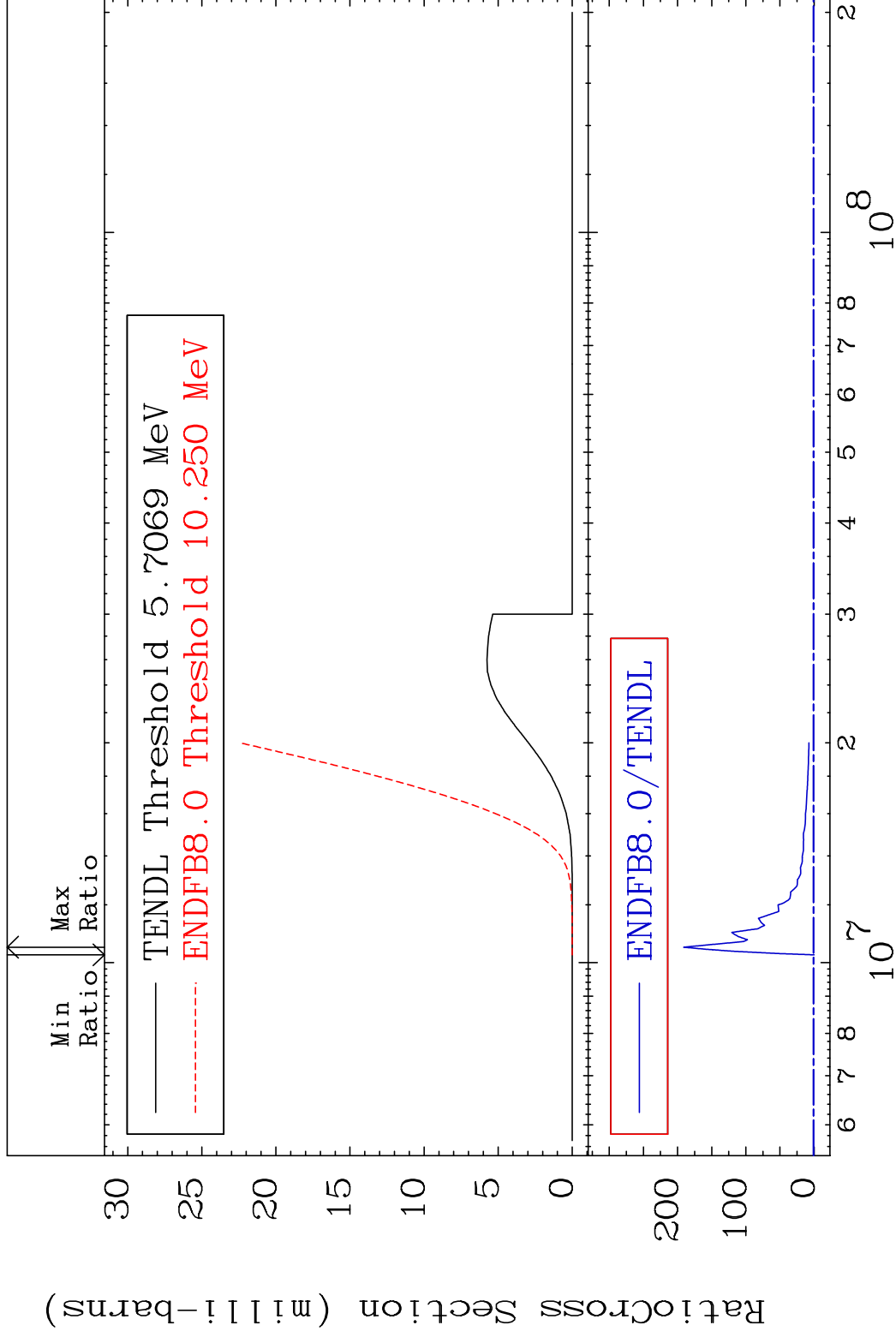
63-Eu-153

MAT 6331

(n, t)

63-Eu-153

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

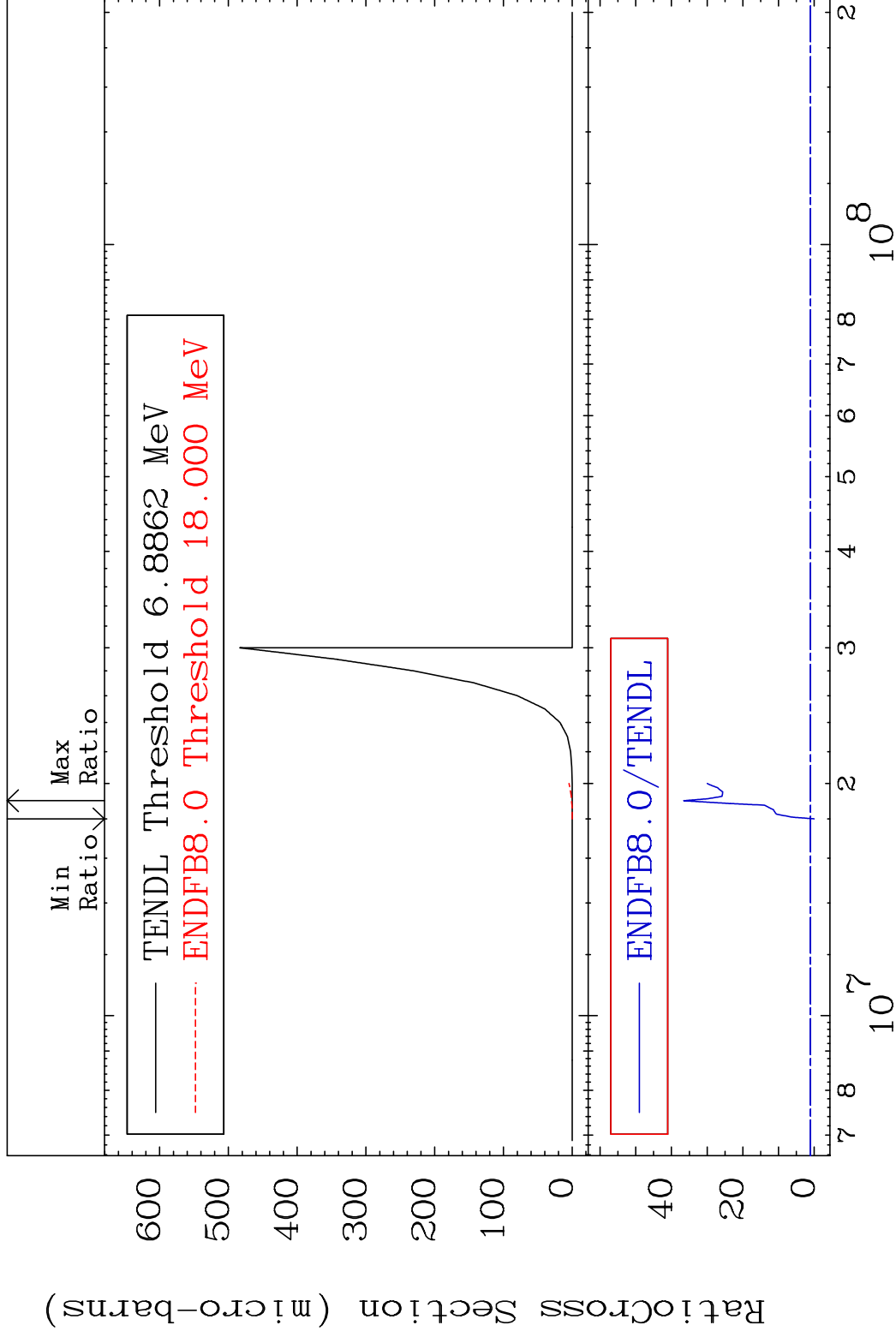
63-Eu-153

MAT 6331

(n, He-3)

63-Eu-153

Cross Section -100.0 To 3558. %



42

Incident Energy (eV)

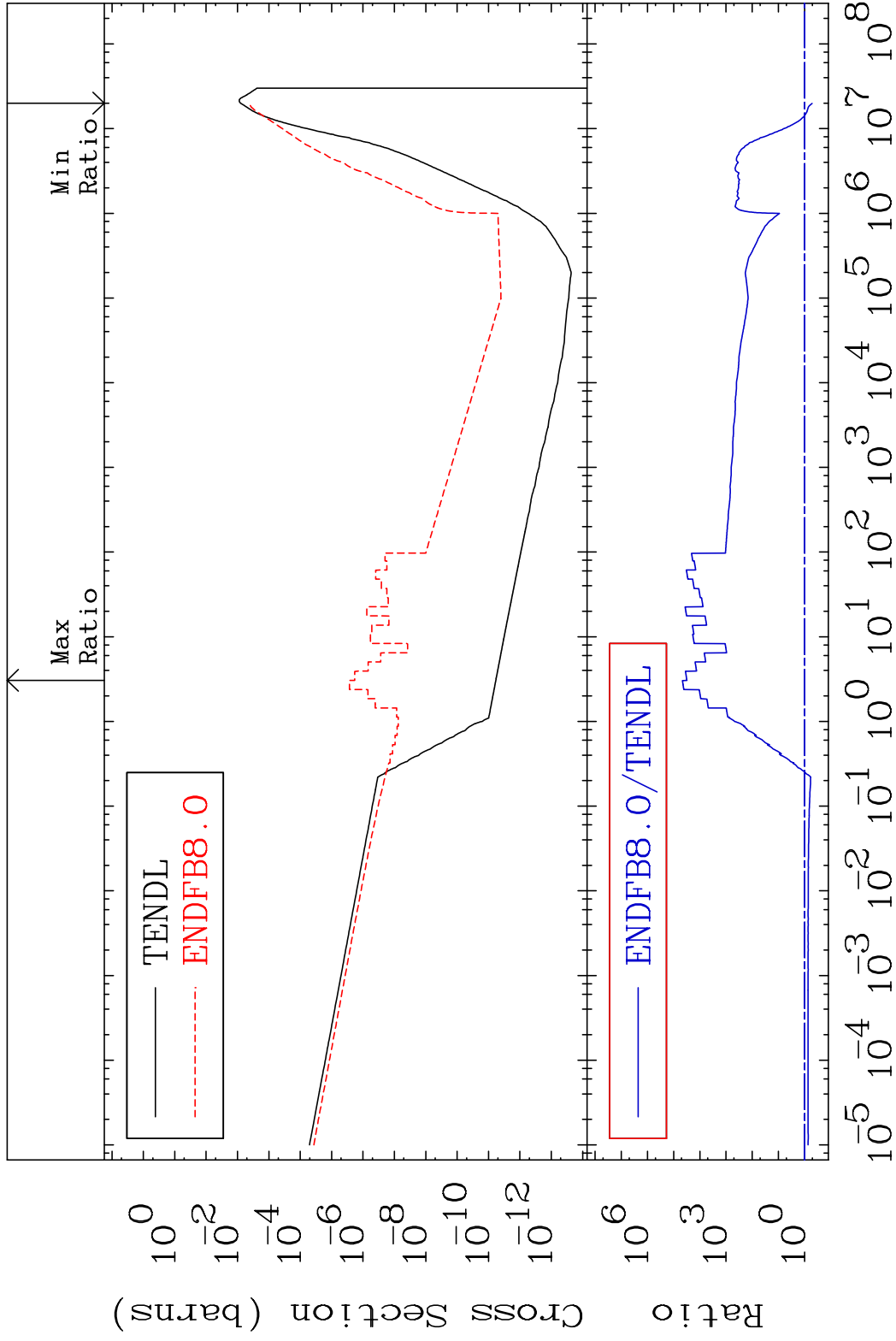
63-Eu-153

MAT 6331

(n, α)

63-Eu-153

Cross Section -50.38 To 9999. %

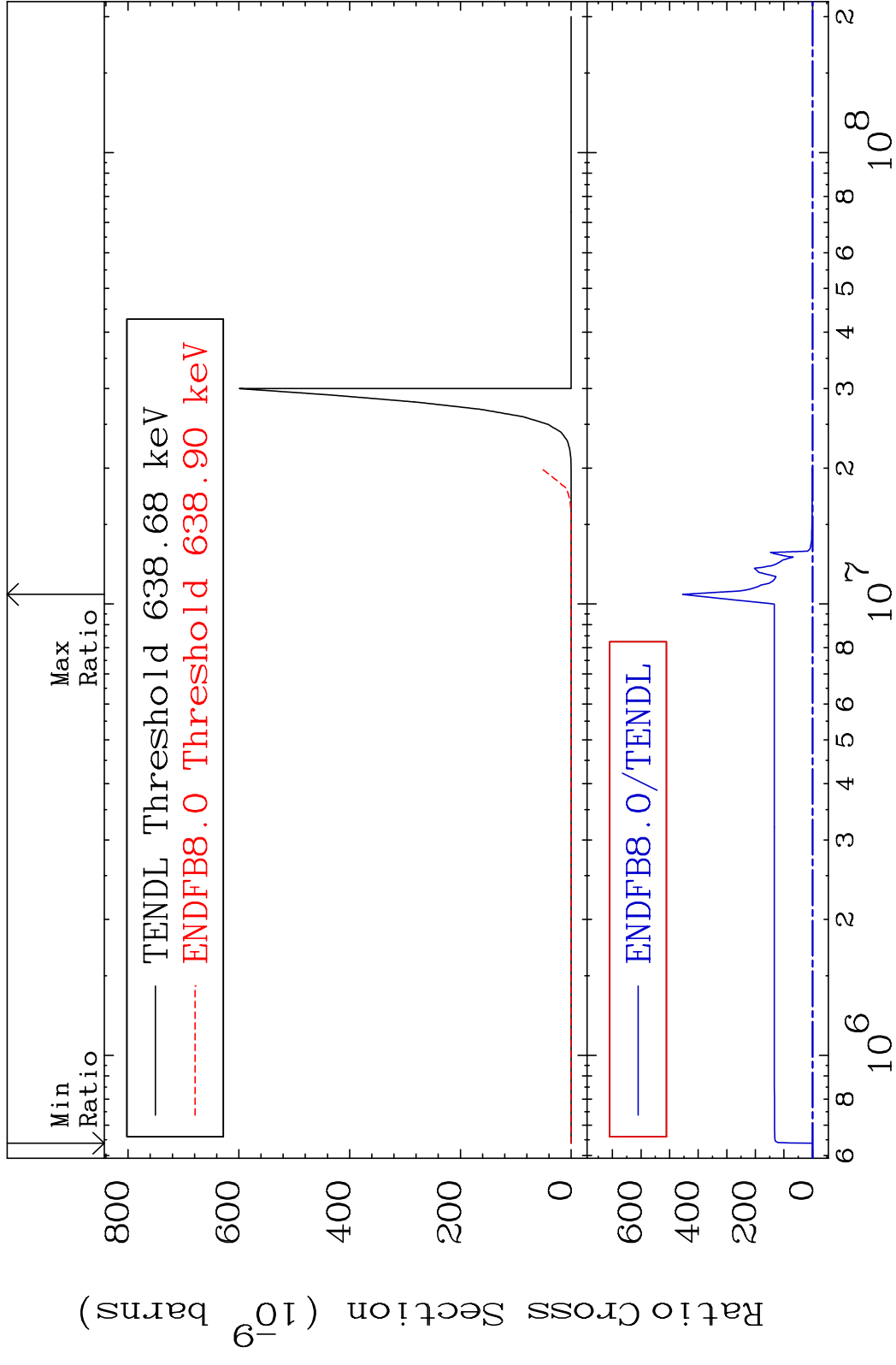


43

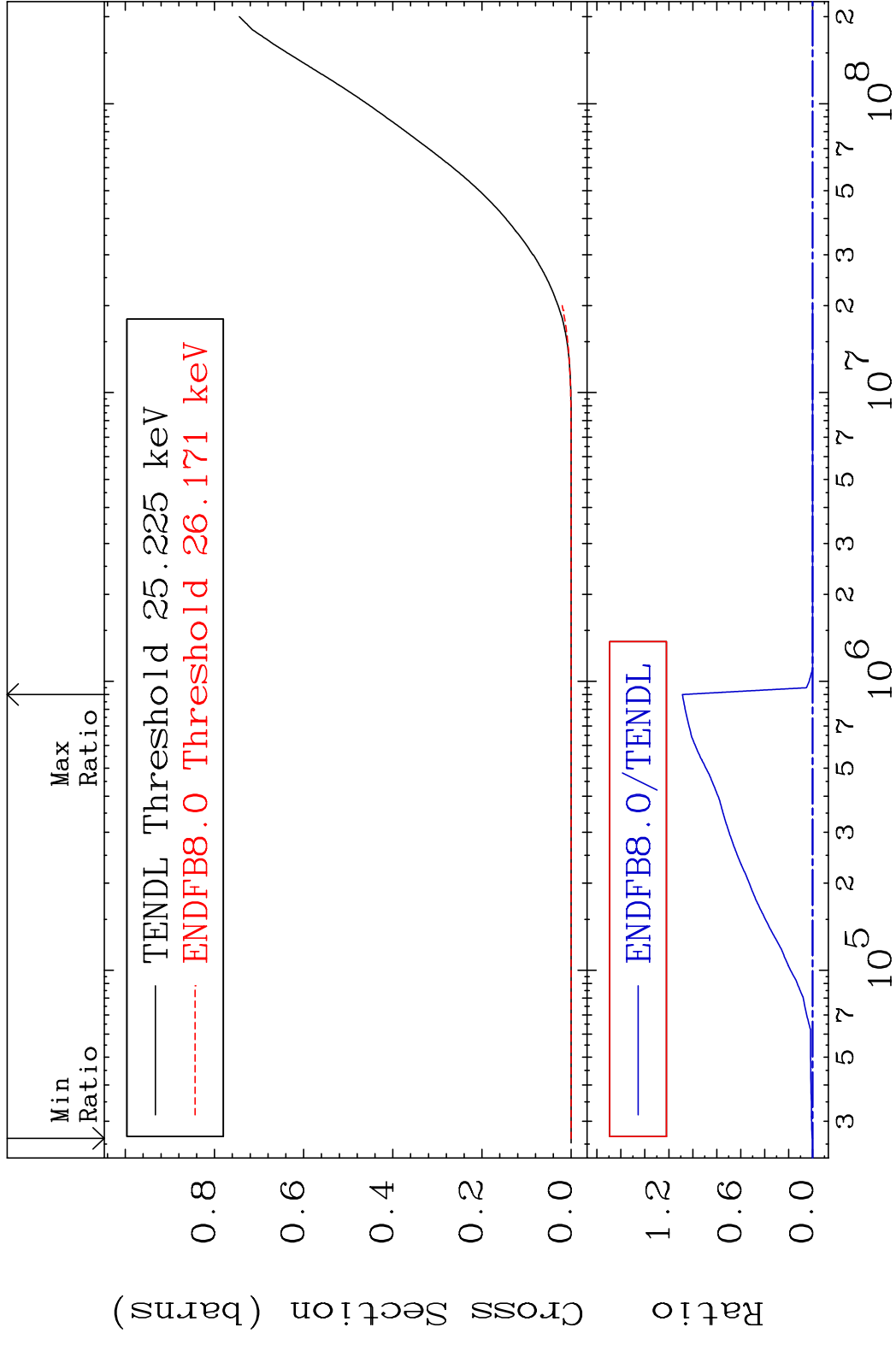
Incident Energy (eV)

63-Eu-153

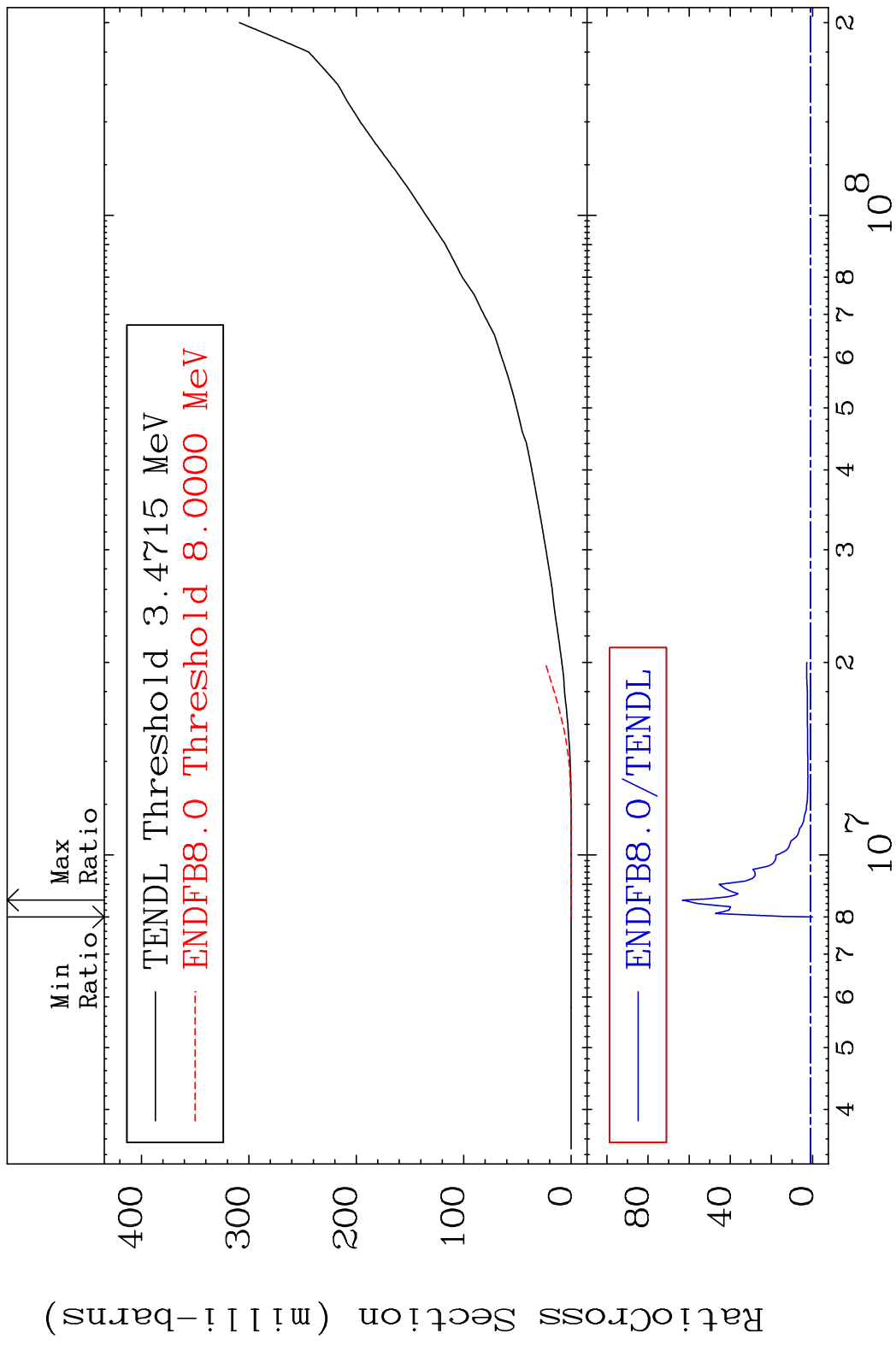
MAT 6331 (n,p) α 63-Eu-153
 Cross Section -100.0 To 9999. %



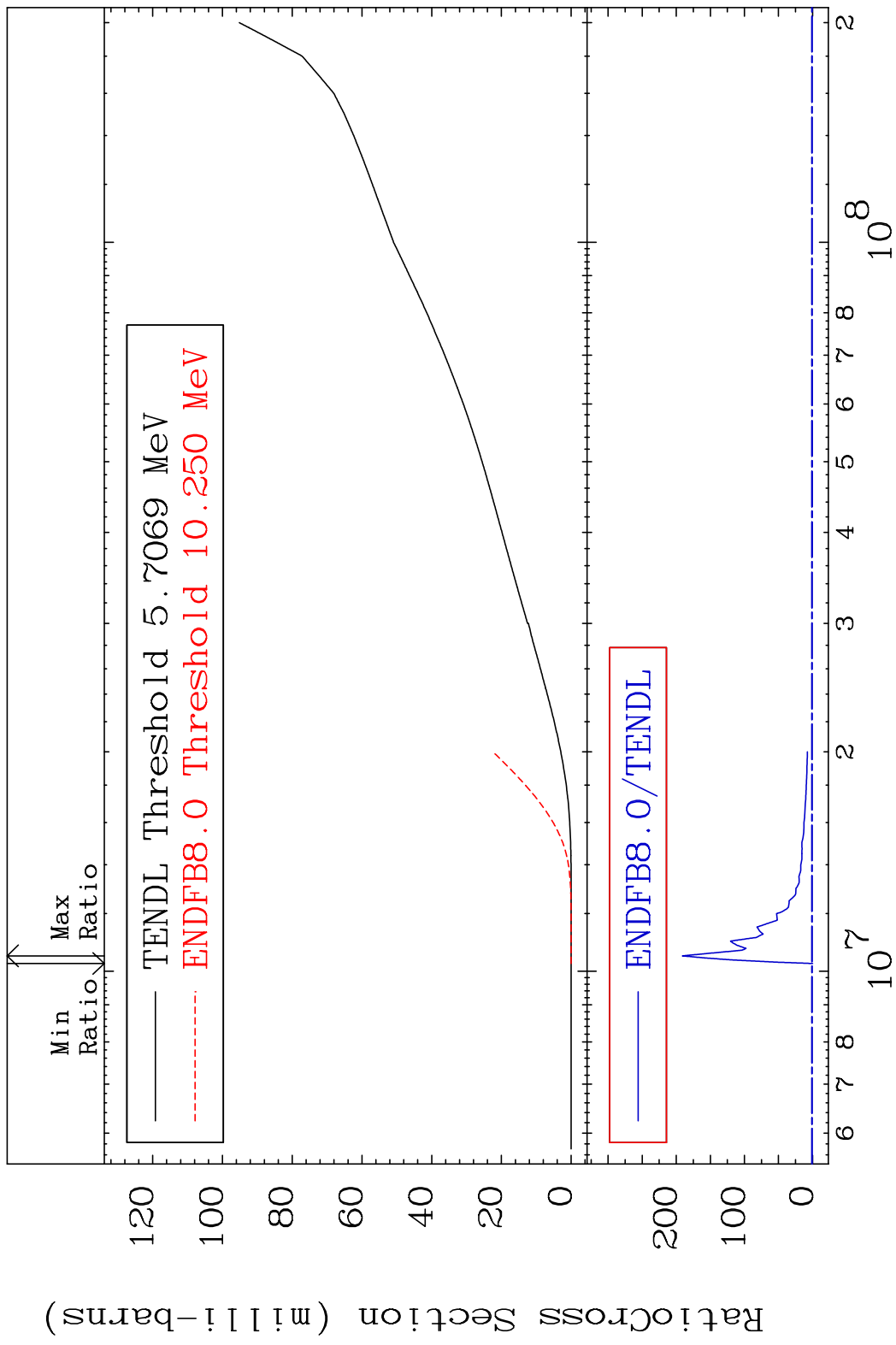
MAT 6331 Hydrogen Production 63-Eu-153
 Cross Section -100.0 To 9999. %



MAT 6331 Deuterium Production 63-Eu-153
 Cross Section -100.0 To 6232. %



MAT 6331 Tritium Production 63-Eu-153
 Cross Section -100.0 To 9999. %



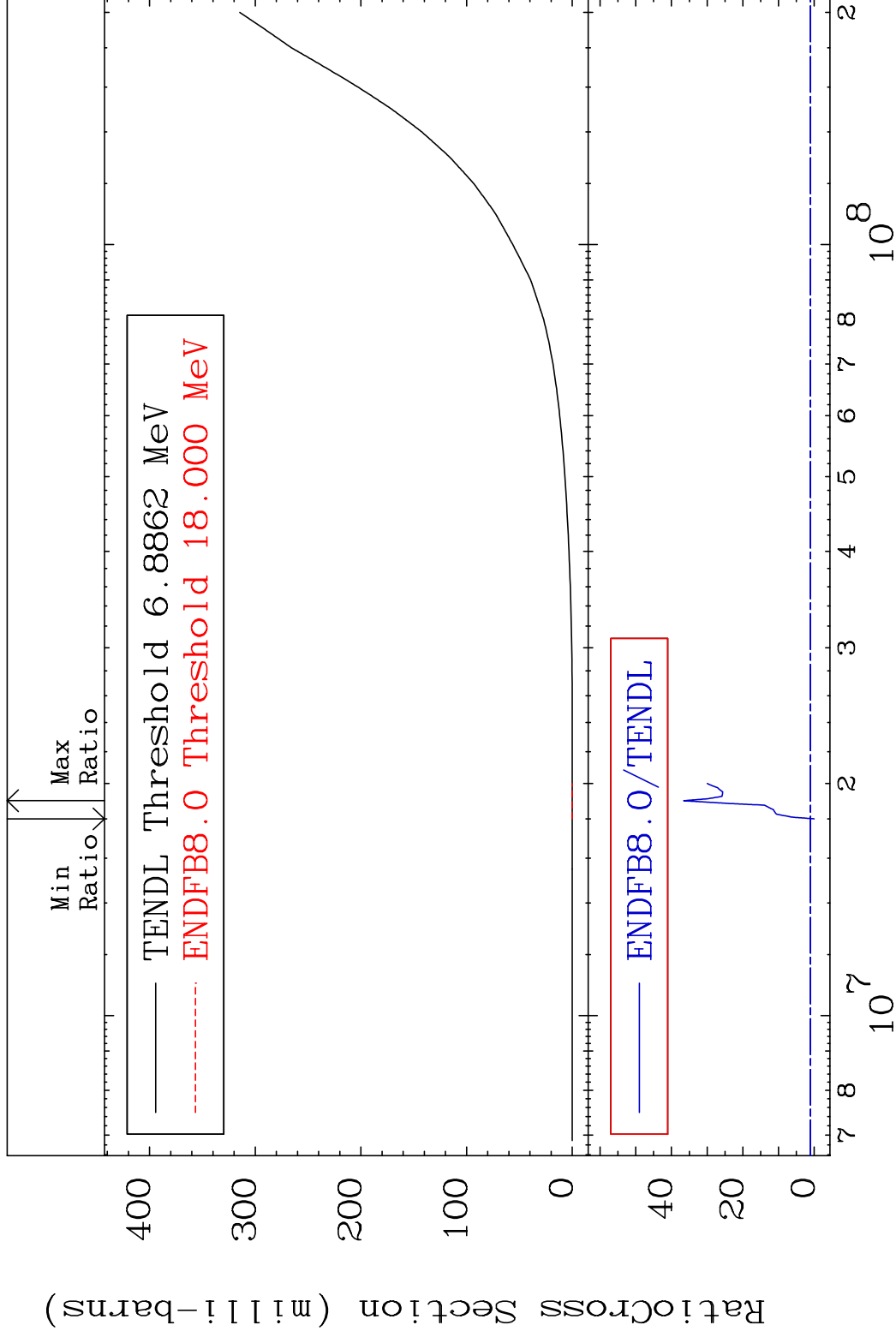
47 Incident Energy (eV) 63-Eu-153

MAT 6331

He-3 Production

63-Eu-153

Cross Section -100.0 To 3558. %



48

Incident Energy (eV)

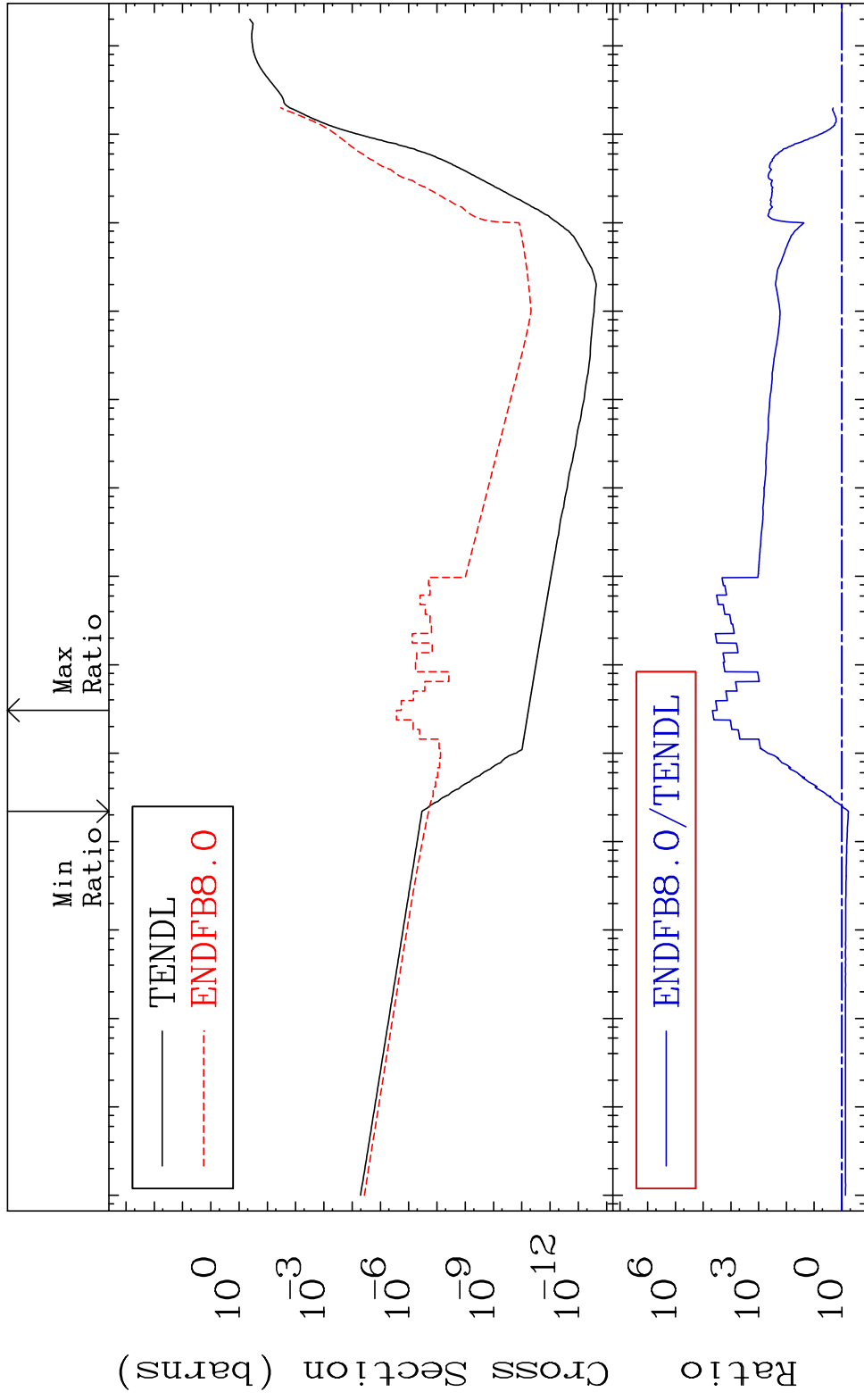
63-Eu-153

MAT 6331

He-4 Production

63-Eu-153

Cross Section -41.62 To 9999. %

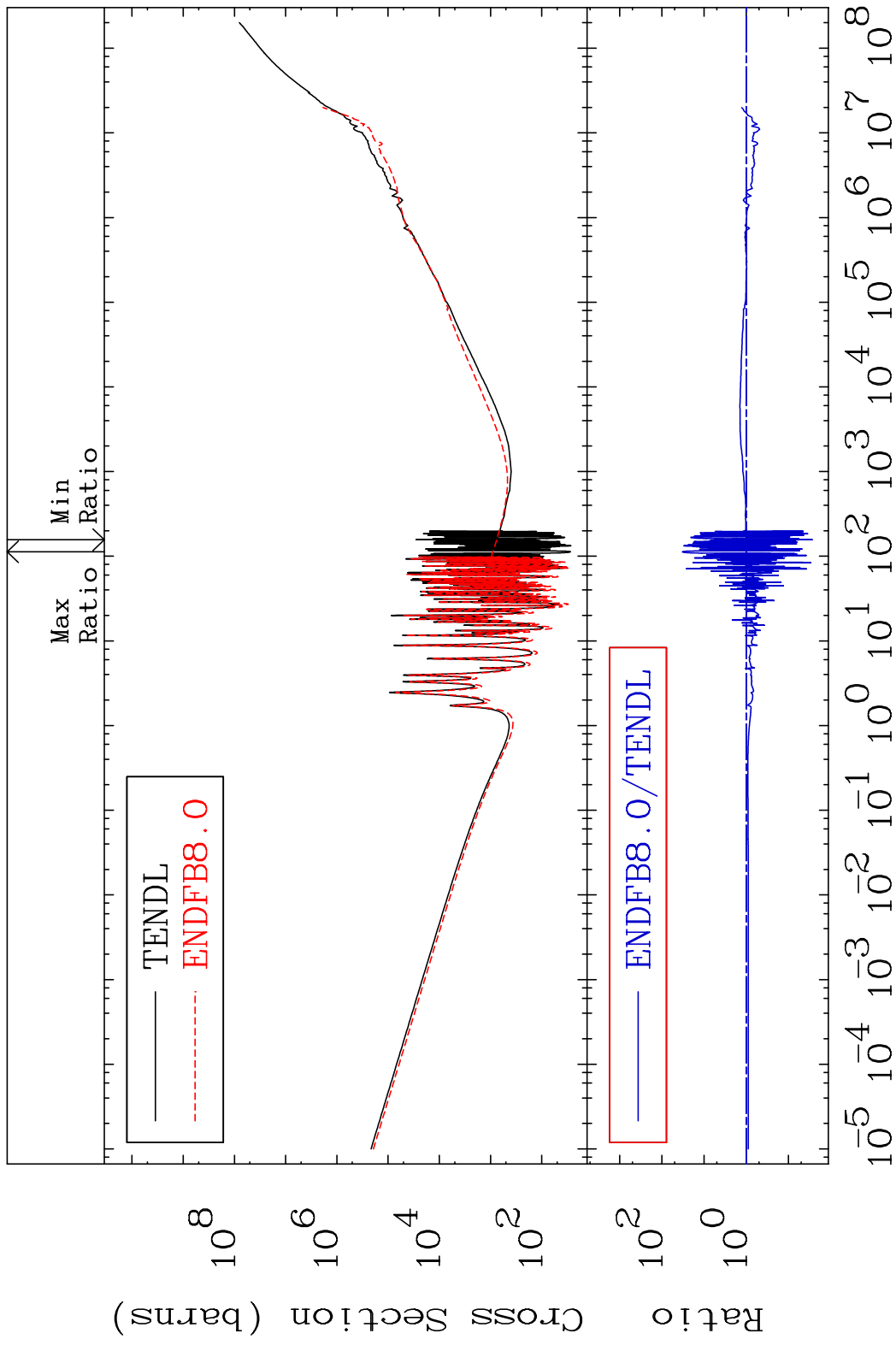


49

Incident Energy (eV)

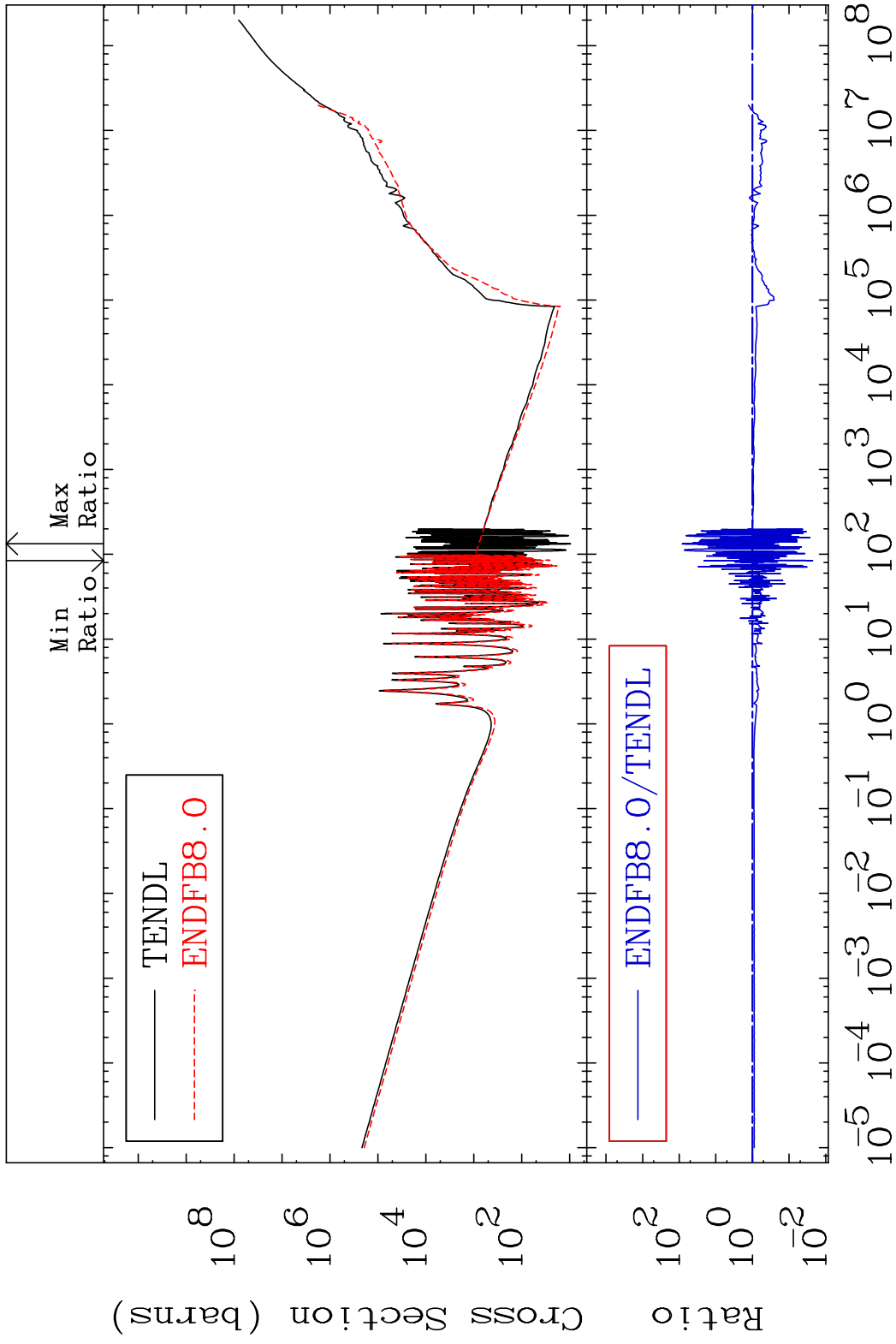
63-Eu-153

MAT 6331 Kerma total (eV-barns) 63-Eu-153
Cross Section -97.30 To 3170. %

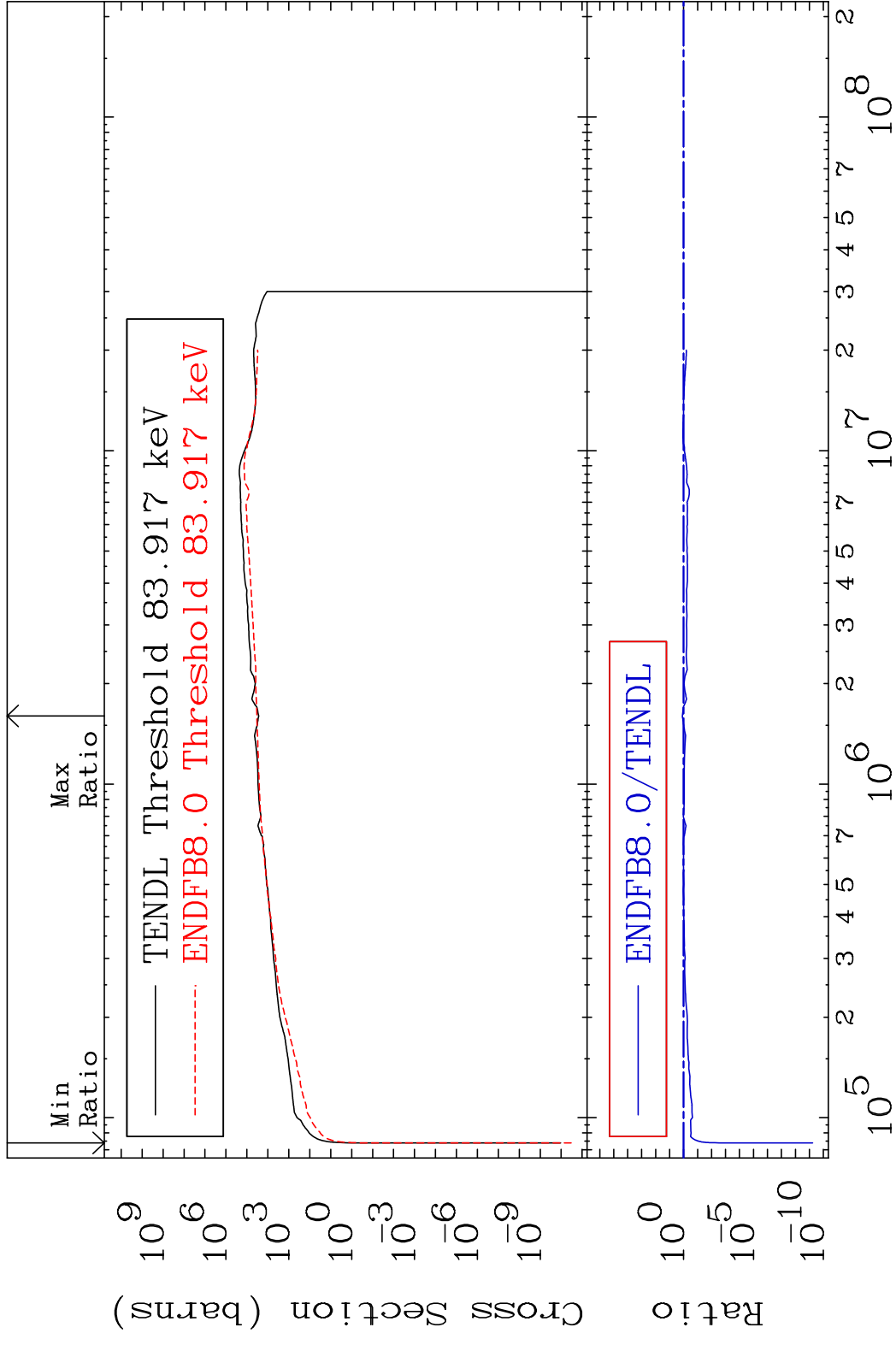


50 Incident Energy (eV) 63-Eu-153

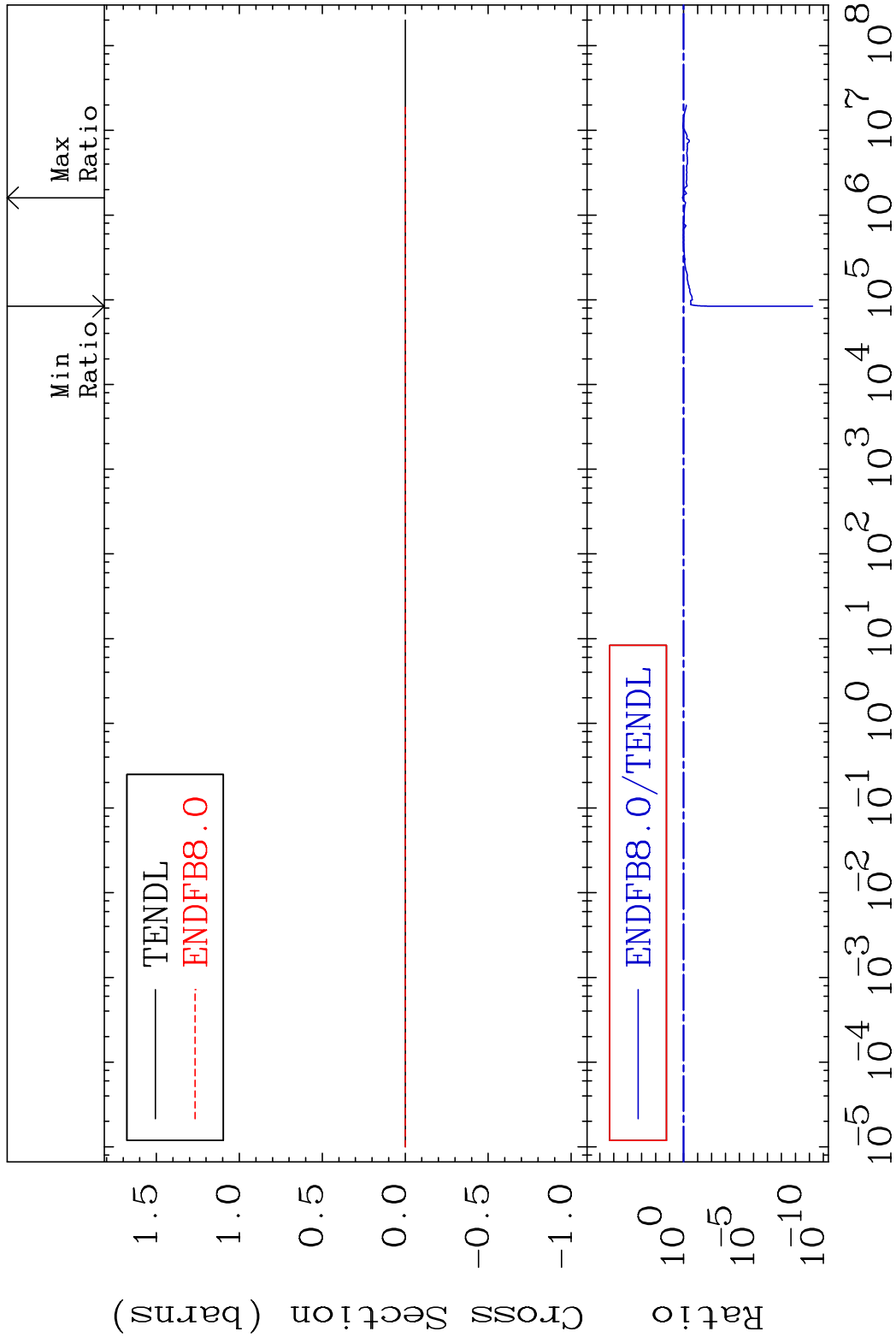
MAT 6331 Kerma non-elastic (all but mt2) 63-Eu-153
 Cross Section -97.71 To 8231. %



MAT 6331 Kerma inelastic (mt51-91) 63-Eu-153
 Cross Section -100.0 To 22.78 %

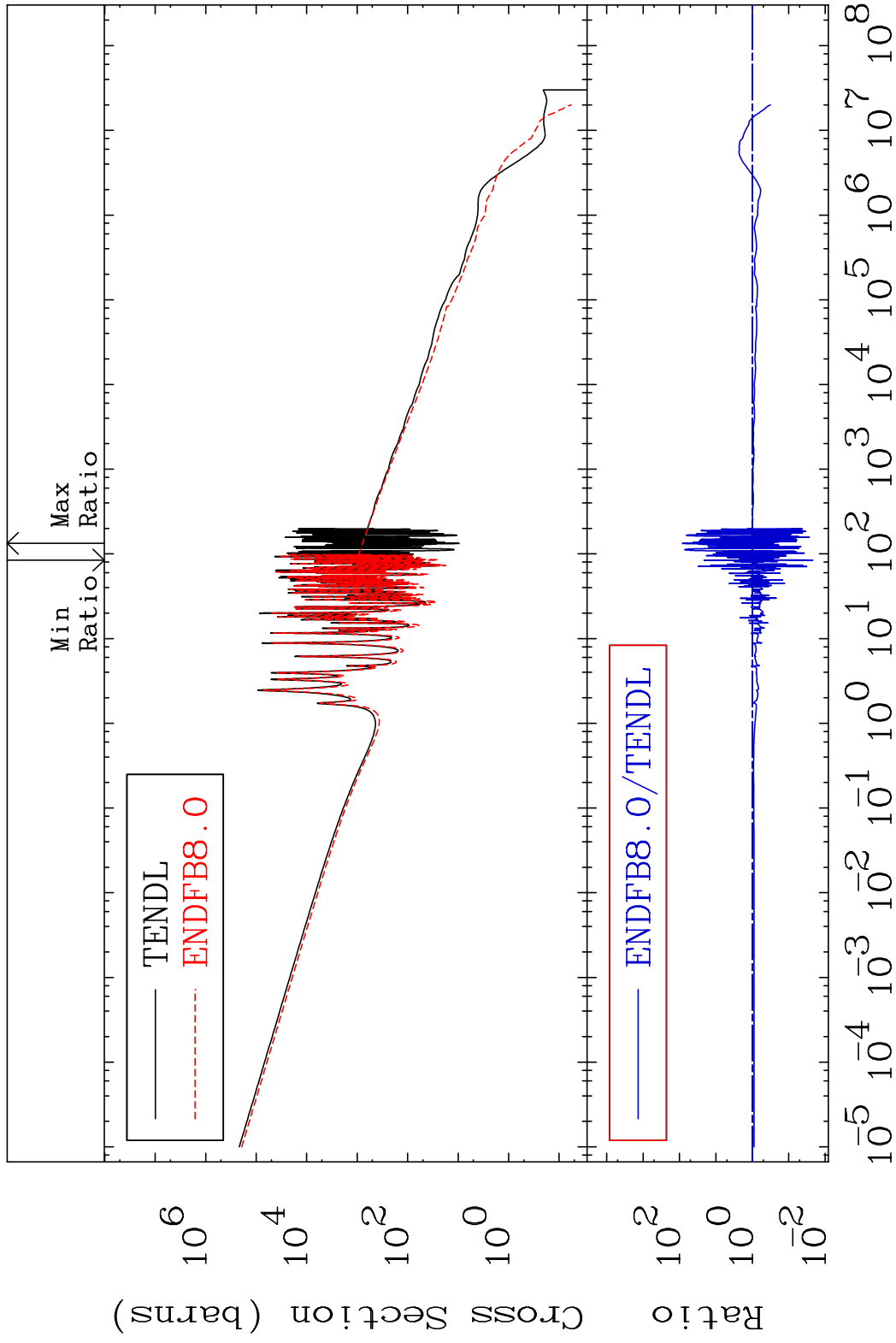


MAT 6331 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-153
 Cross Section -100.0 To 22.78 %



MAT 6331

Kerma capture (mt102) 63-Eu-153
Cross Section -97.79 To 8230. %



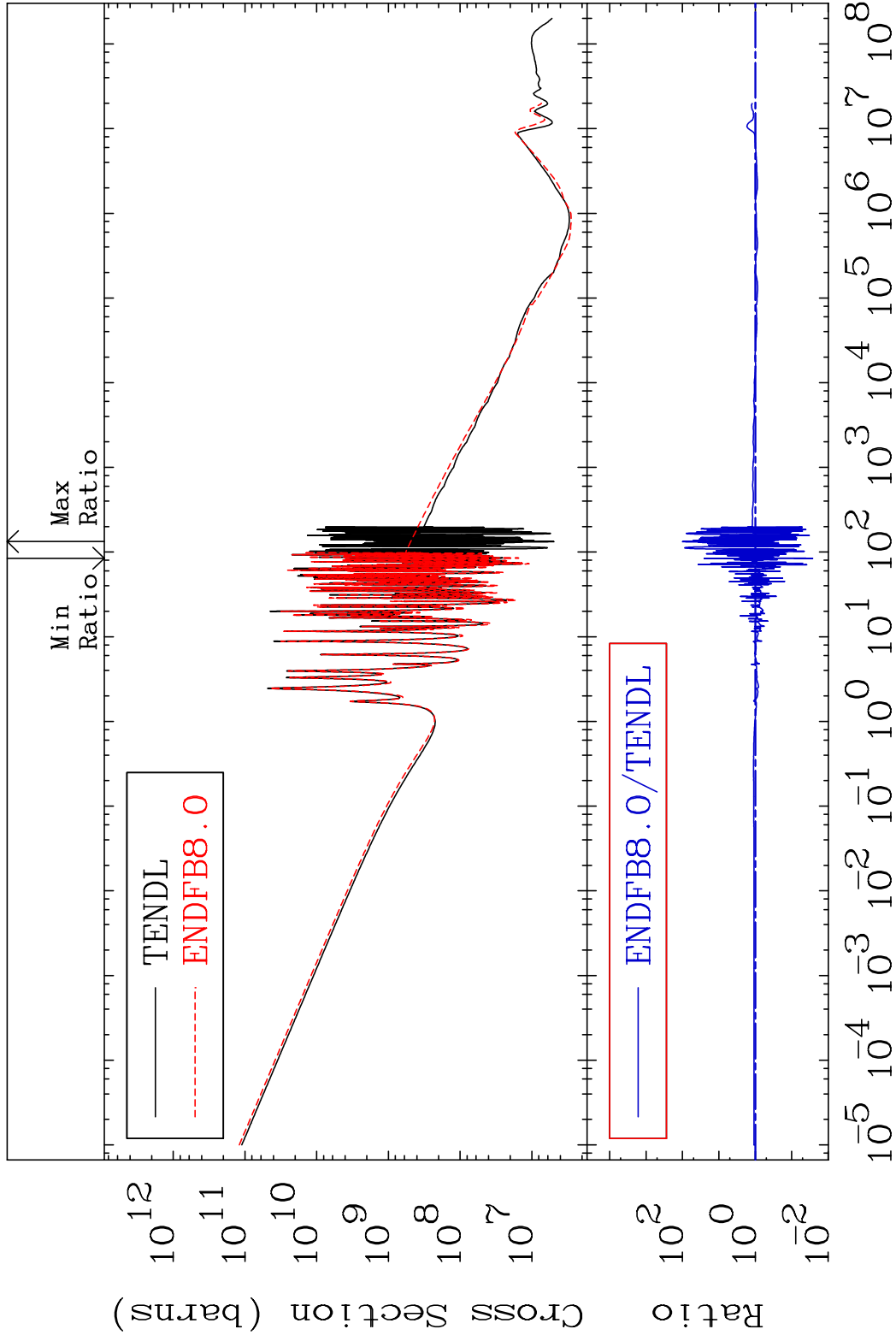
55

Incident Energy (eV)

63-Eu-153

MAT 6331

Total photon (eV-barns) 63-Eu-153
Cross Section -97.32 To 9986. %

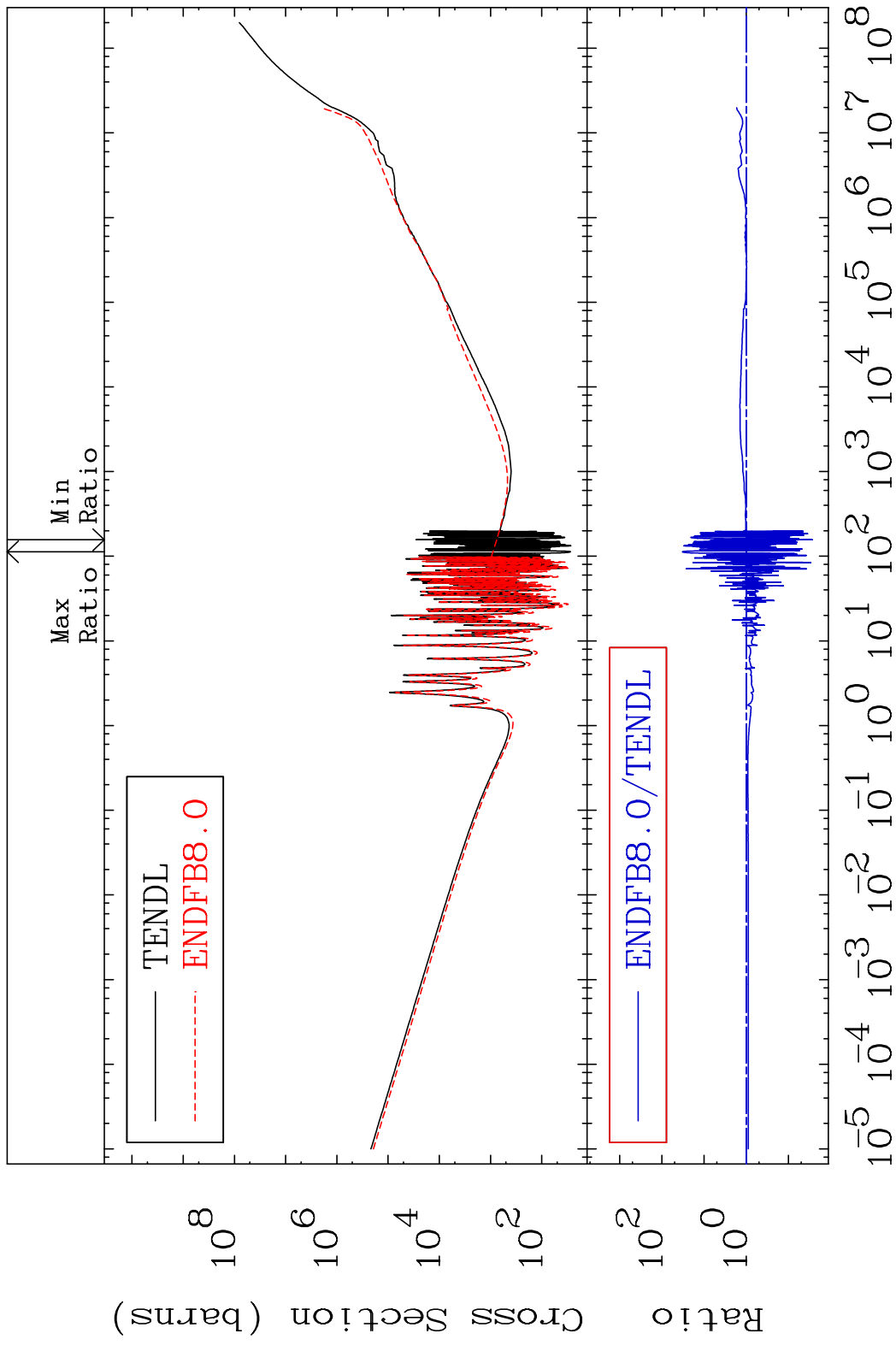


56

Incident Energy (eV)

63-Eu-153

MAT 6331 Total kinematic kerma (high limit) 63-Eu-153
 Cross Section -97.30 To 3170. %

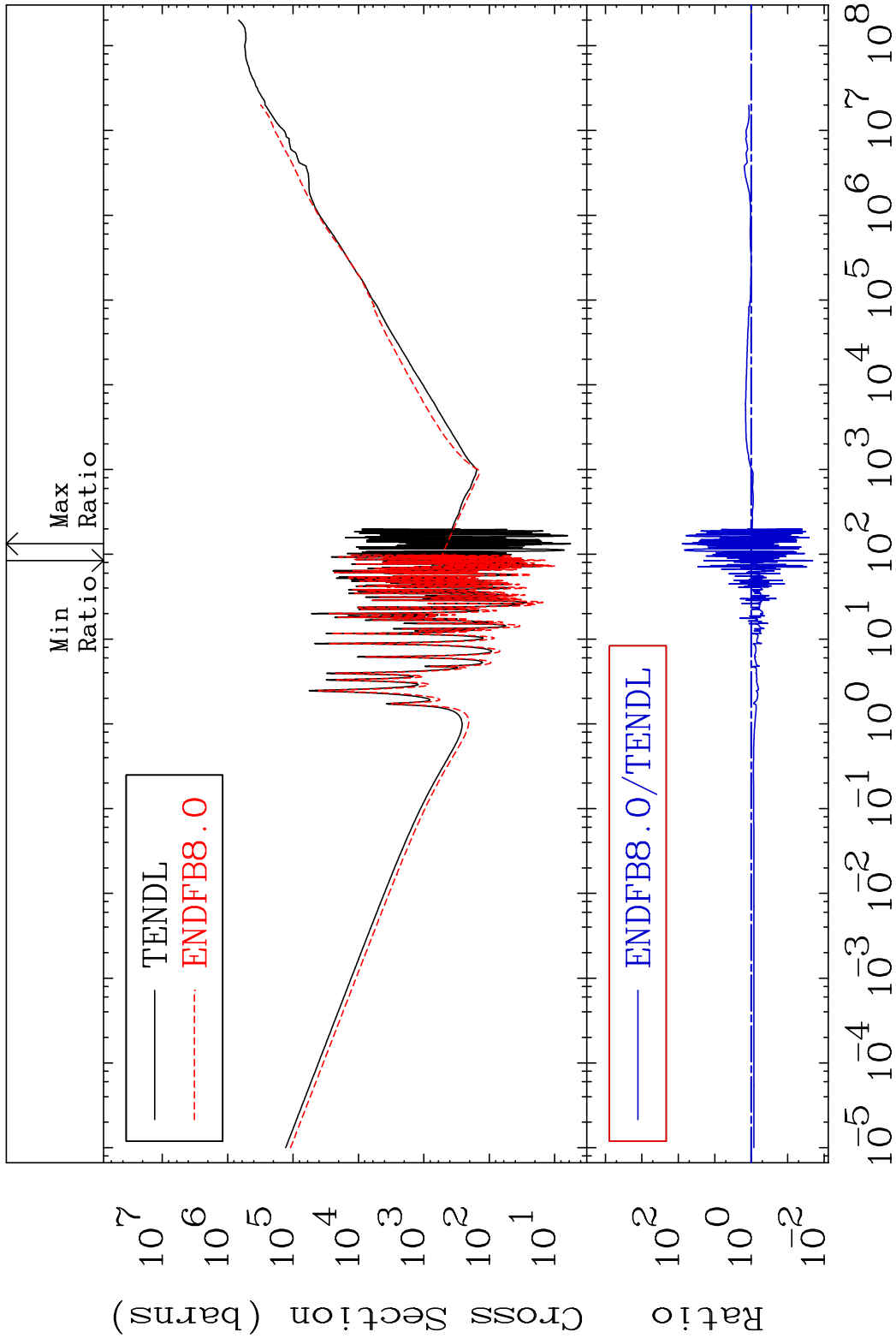


MAT 6331

Dpa total (eV-barns)

63-Eu-153

Cross Section -97.91 To 7749. %



58

Incident Energy (eV)

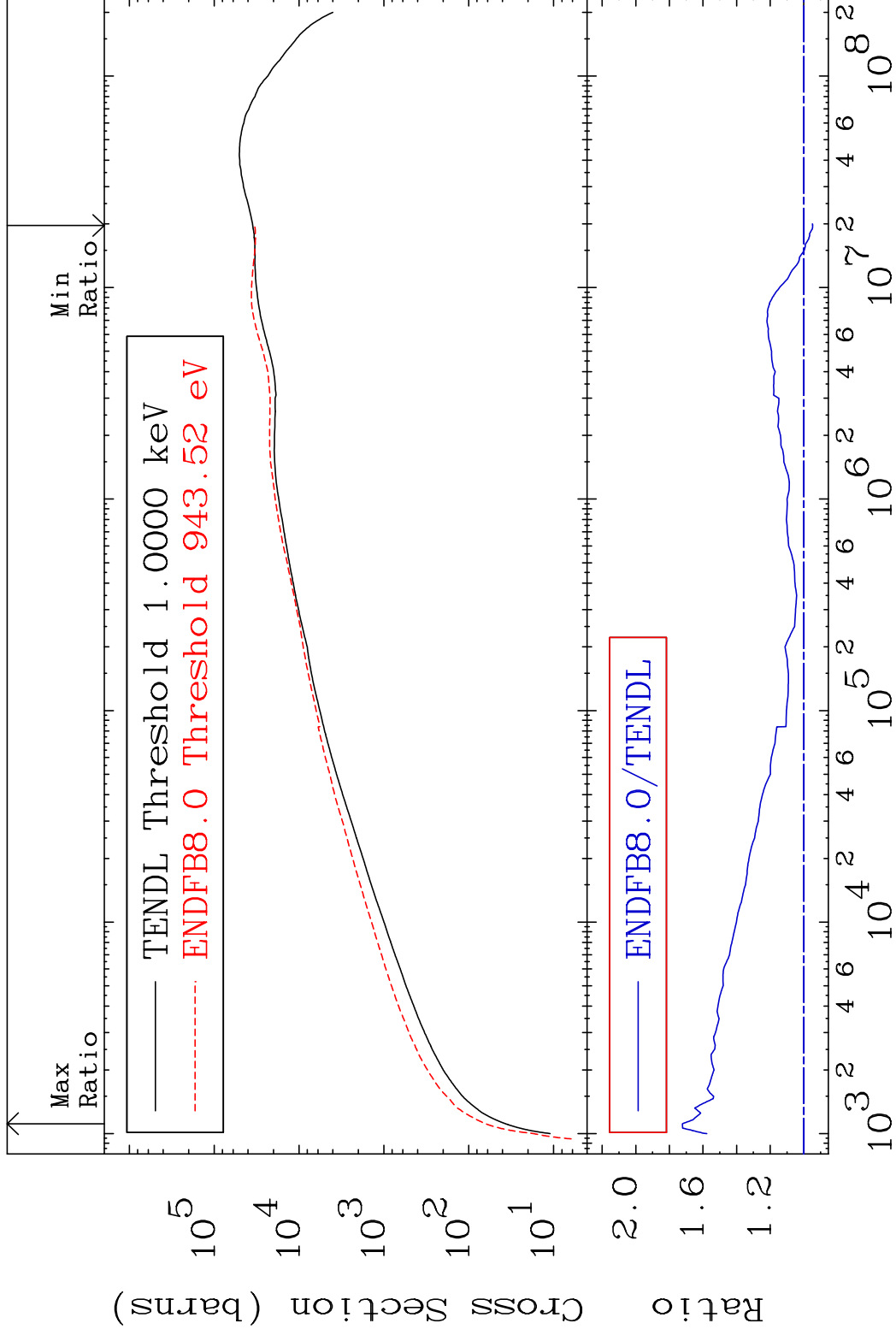
63-Eu-153

MAT 6331

Dpa elastic (mt2)

63-Eu-153

Cross Section -5.201 To 72.29 %

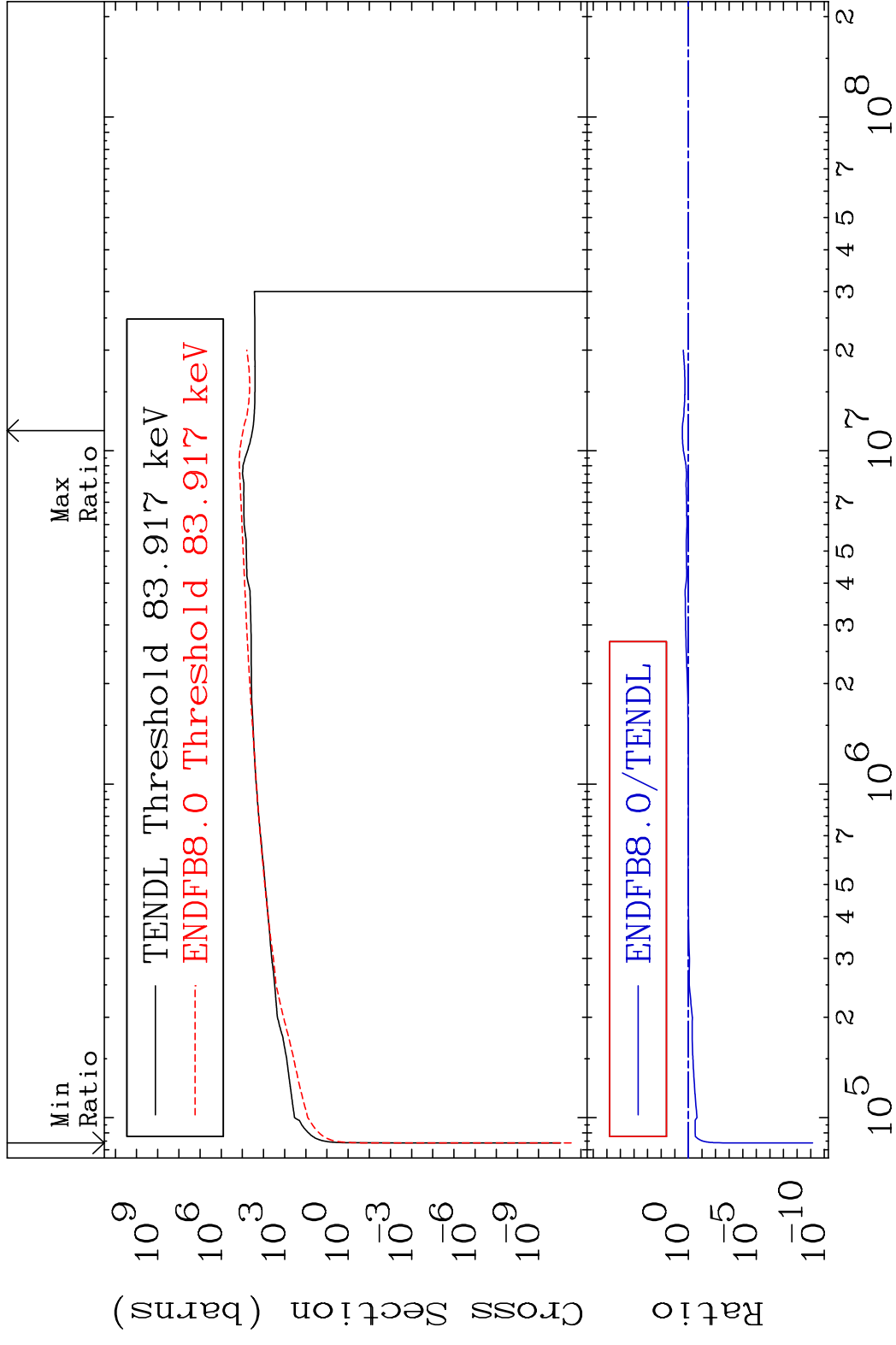


59

Incident Energy (eV)

63-Eu-153

MAT 6331 Dpa inelastic (mt51-91) 63-Eu-153
 Cross Section -100.0 To 177.4 %



60 Incident Energy (eV) 63-Eu-153

MAT 6331 Dpa disappearance (mt102 -120) 63-Eu-153
 Cross Section -97.91 To 7749. %

