

Program Complot
(Version 2018-1)

by

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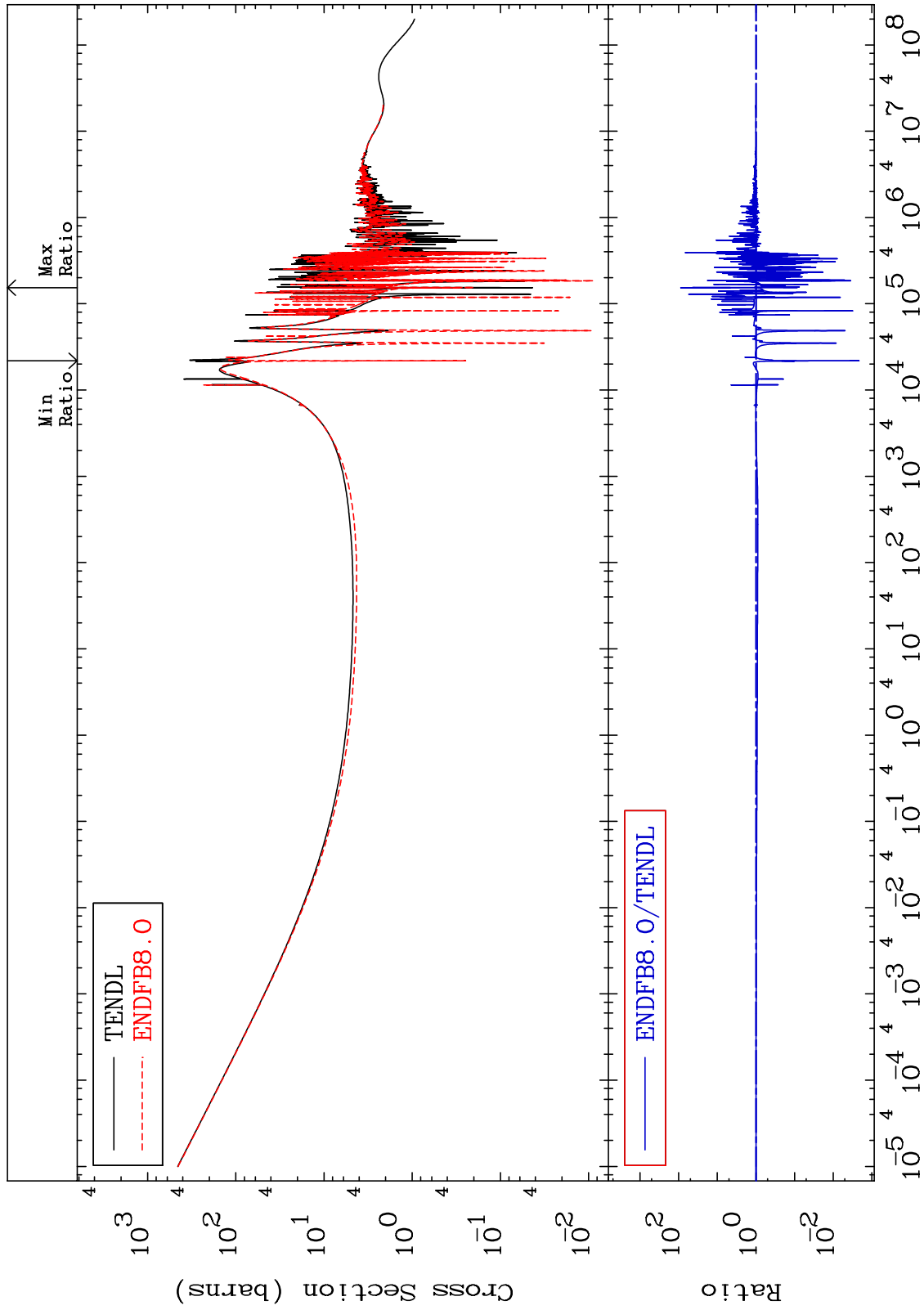
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2231

Total
Cross Section

22-Ti-48
-99.78 To 8786. %



1

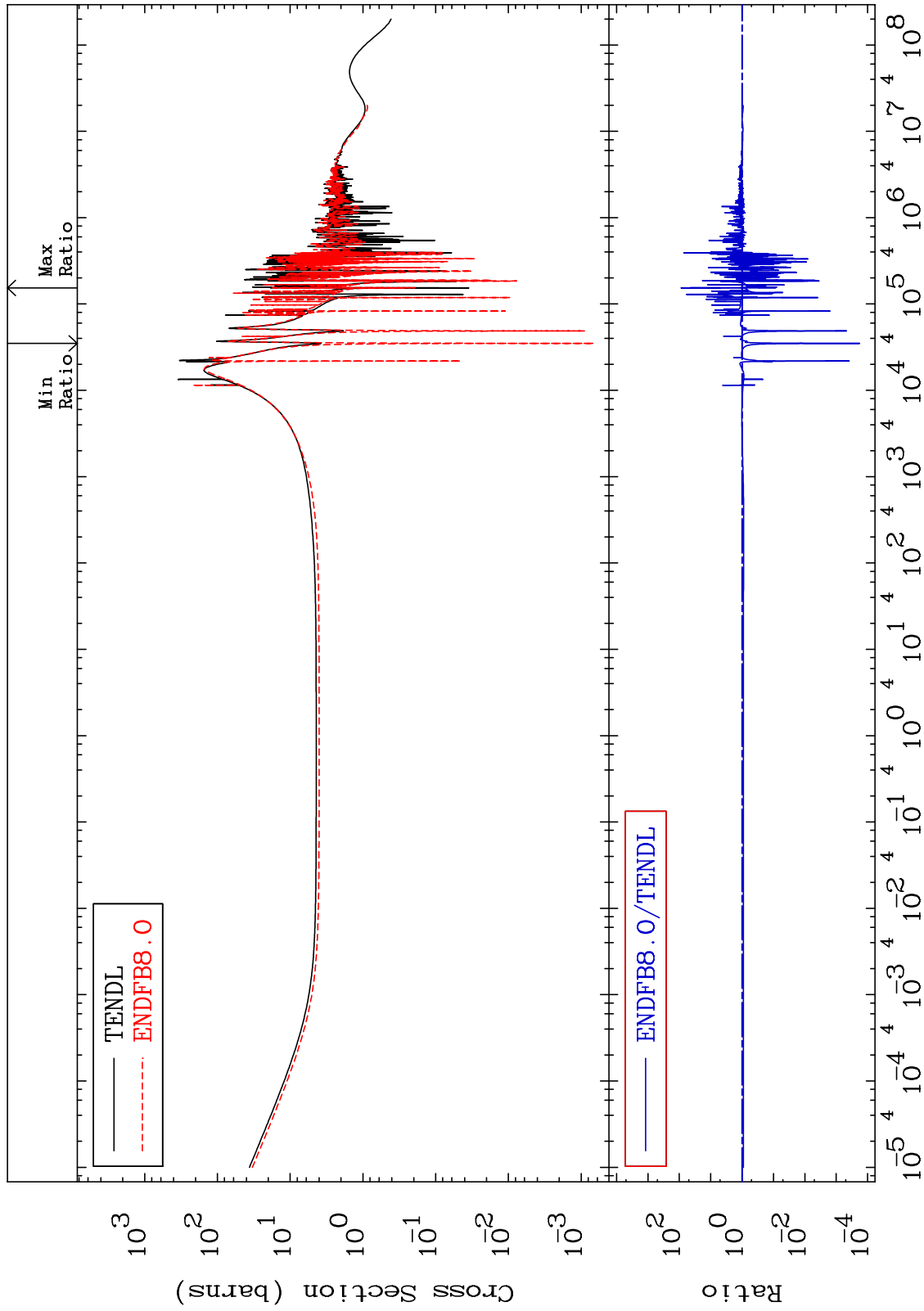
Incident Energy (eV)

22-Ti-48

MAT 2231

Elastic
Cross Section

22-Ti-48
-99.98 To 8564. %

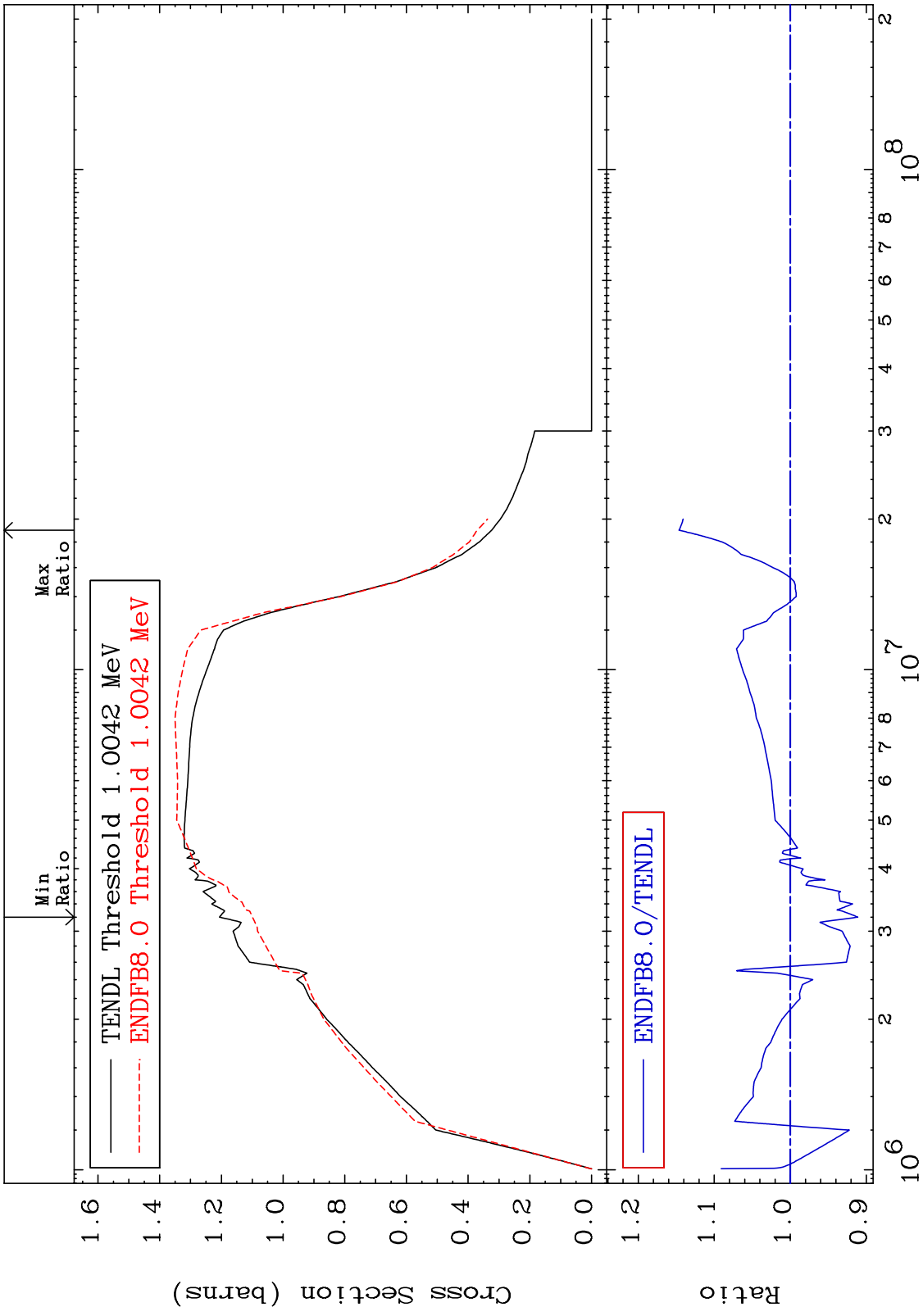


2

Incident Energy (eV)

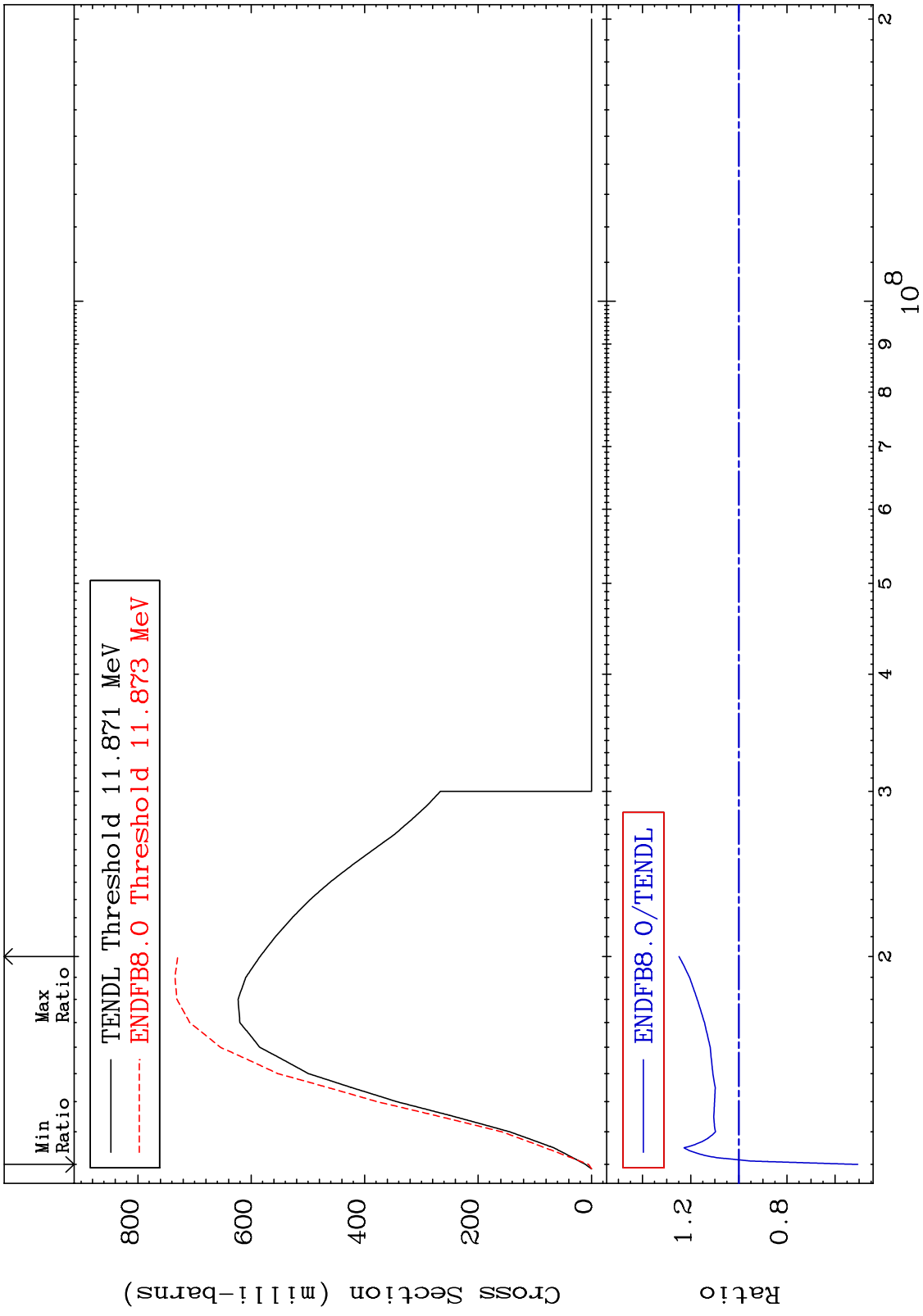
22-Ti-48

MAT 2231 Inelastic Cross Section 22-Ti-48 -8.885 To 14.63 %

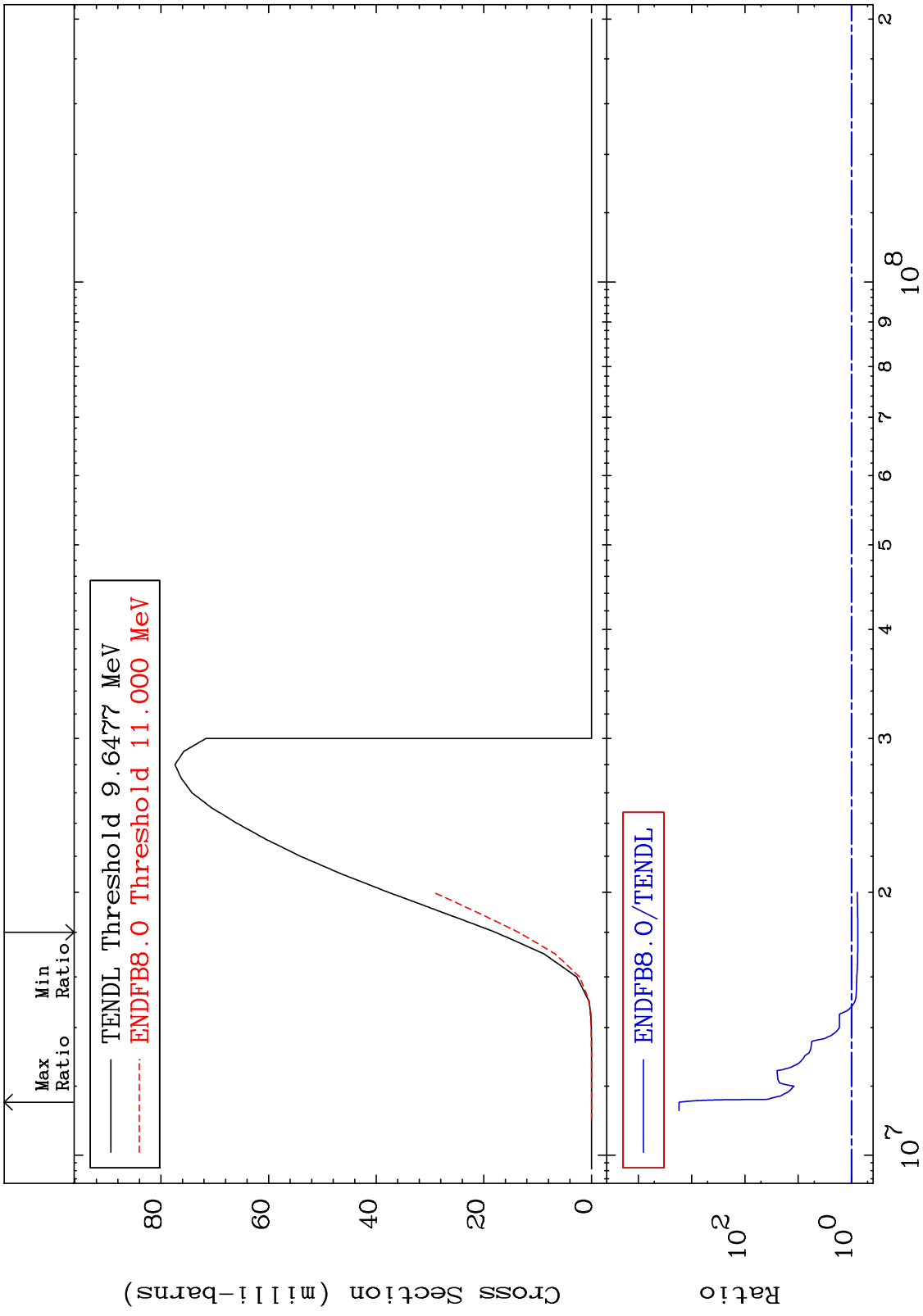


Ratio ENDFB8.0/TENDL

MAT 2231 (n,2n) Cross Section 22-Ti-48
 -49.47 To 24.84 %

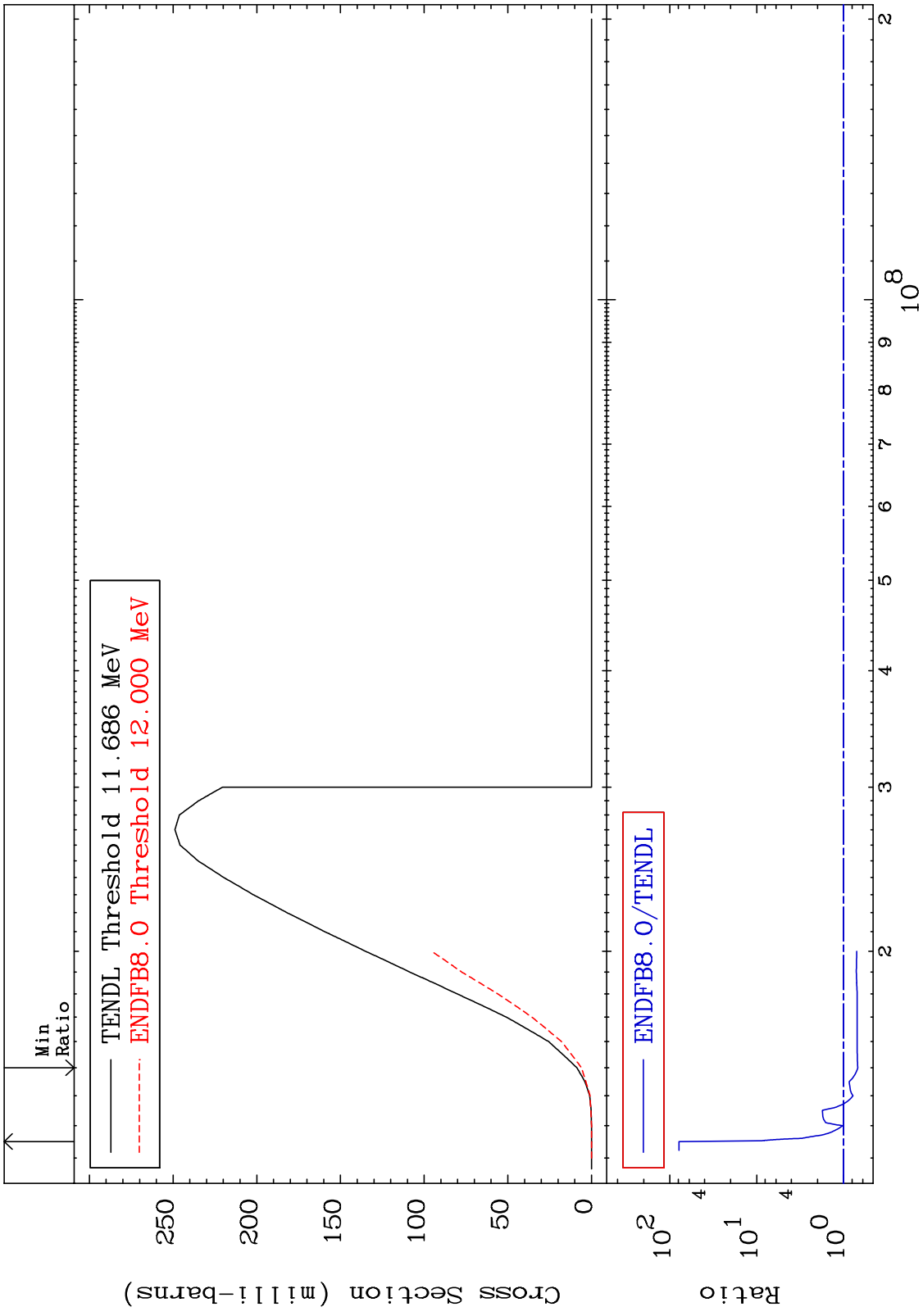


MAT 2231 (n,n') α 22-Ti-48
Cross Section -23.99 To 9999. %

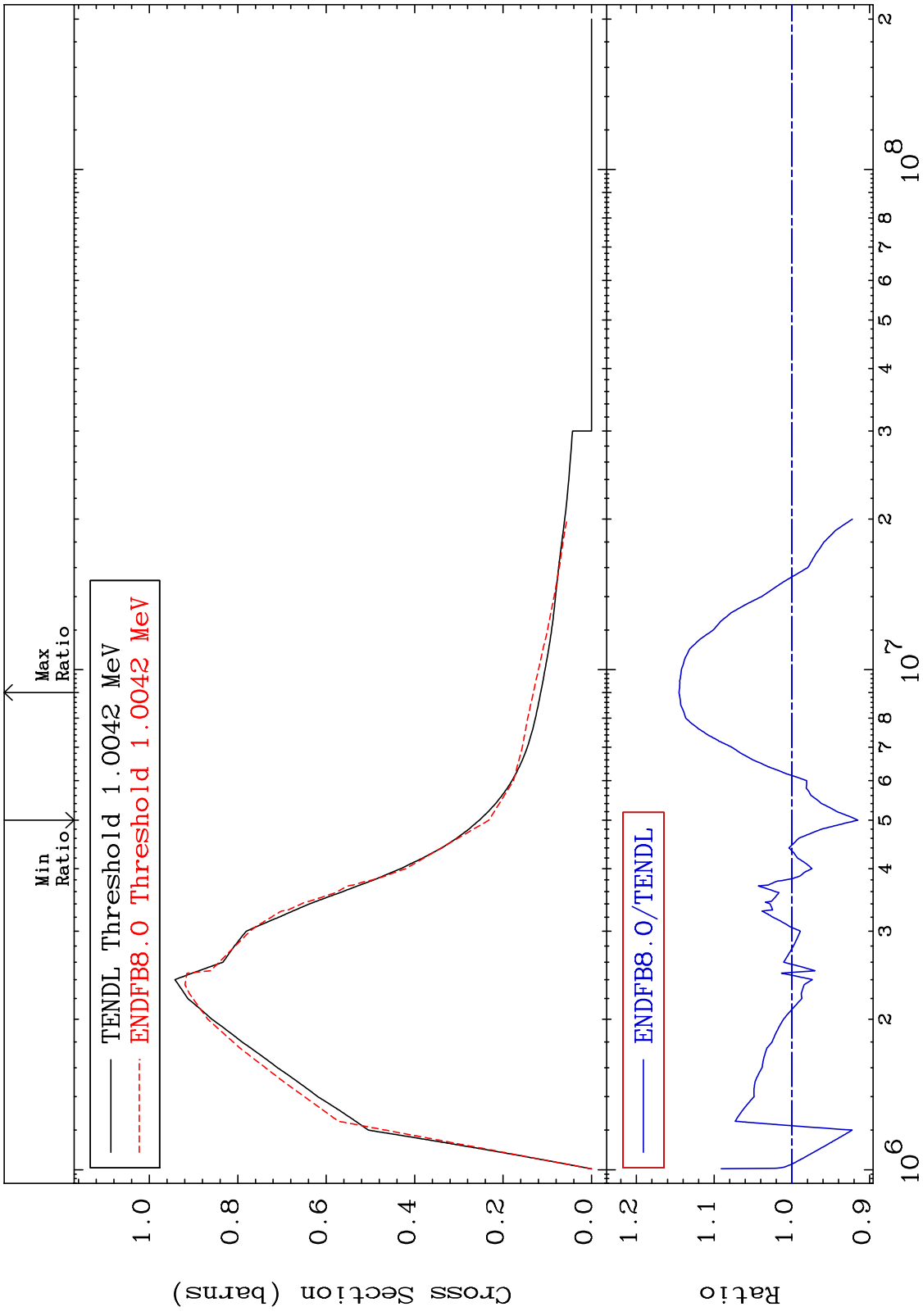


Incident Energy (eV) 22-Ti-48

MAT 2231 (n,n') p 22-Ti-48
 Cross Section -31.40 To 7743. %

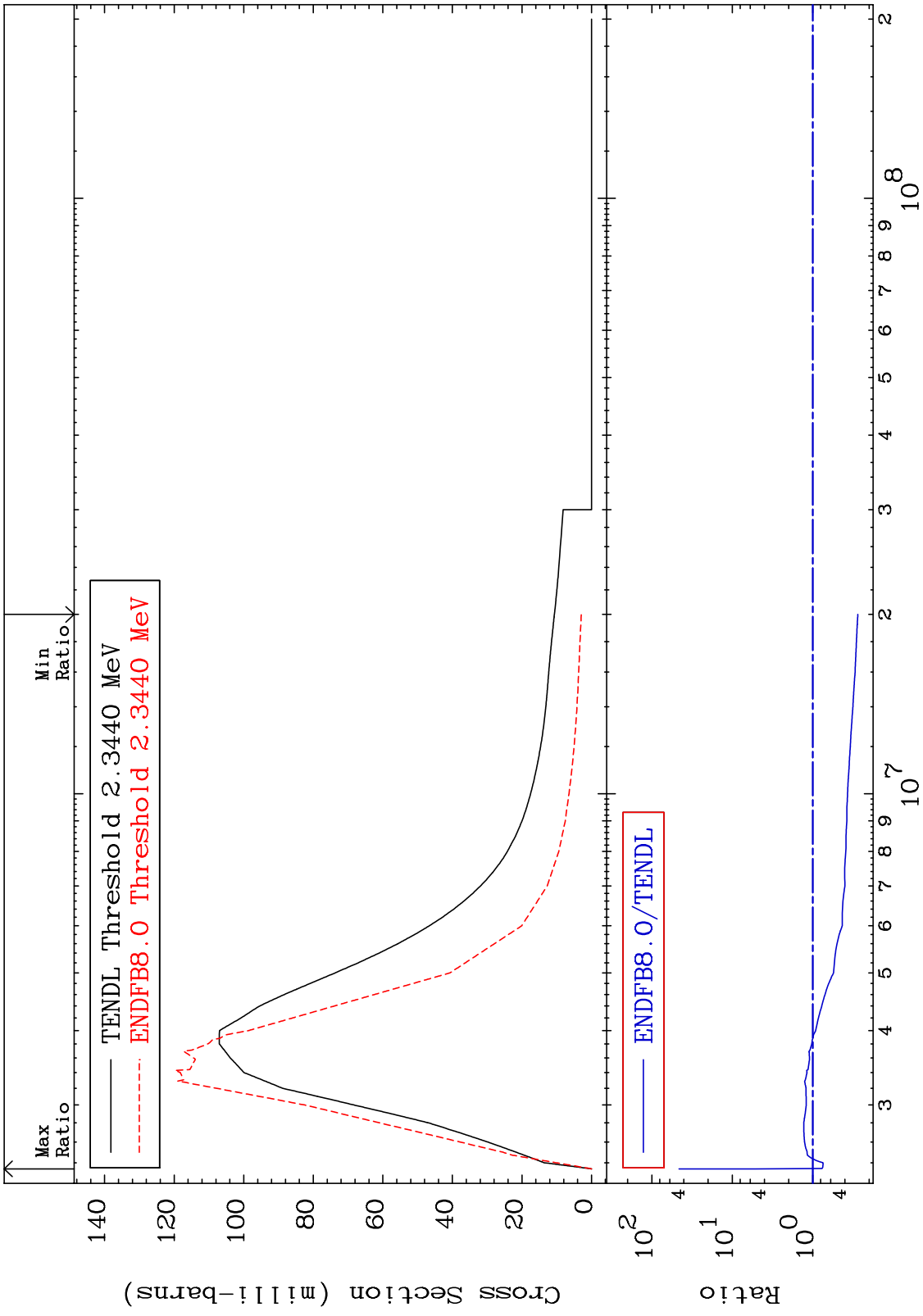


MAT 2231 MT= 51 (n,n') Level Cross Section -8.487 To 14.52 % 22-Ti-48

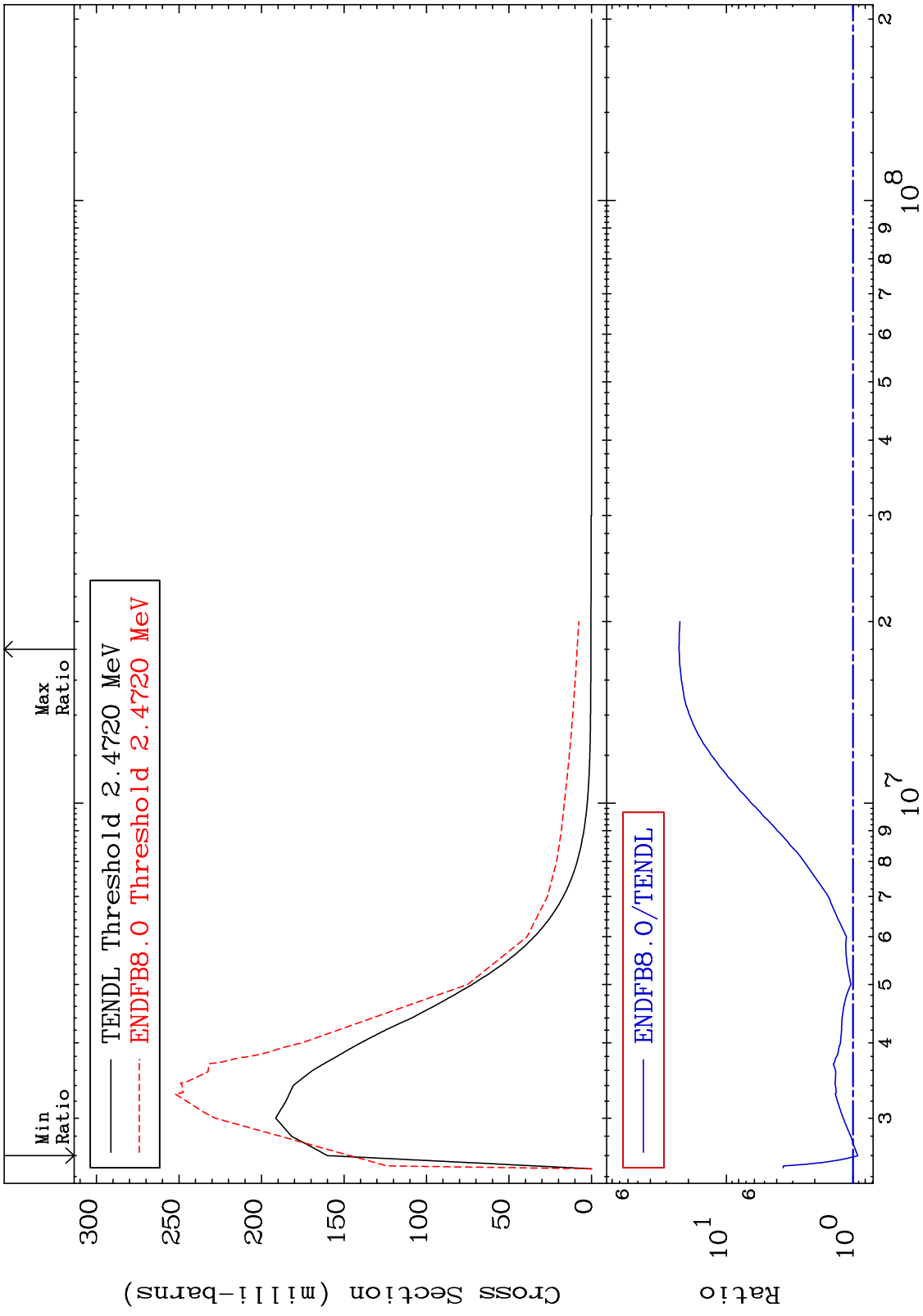


Incident Energy (eV) 22-Ti-48

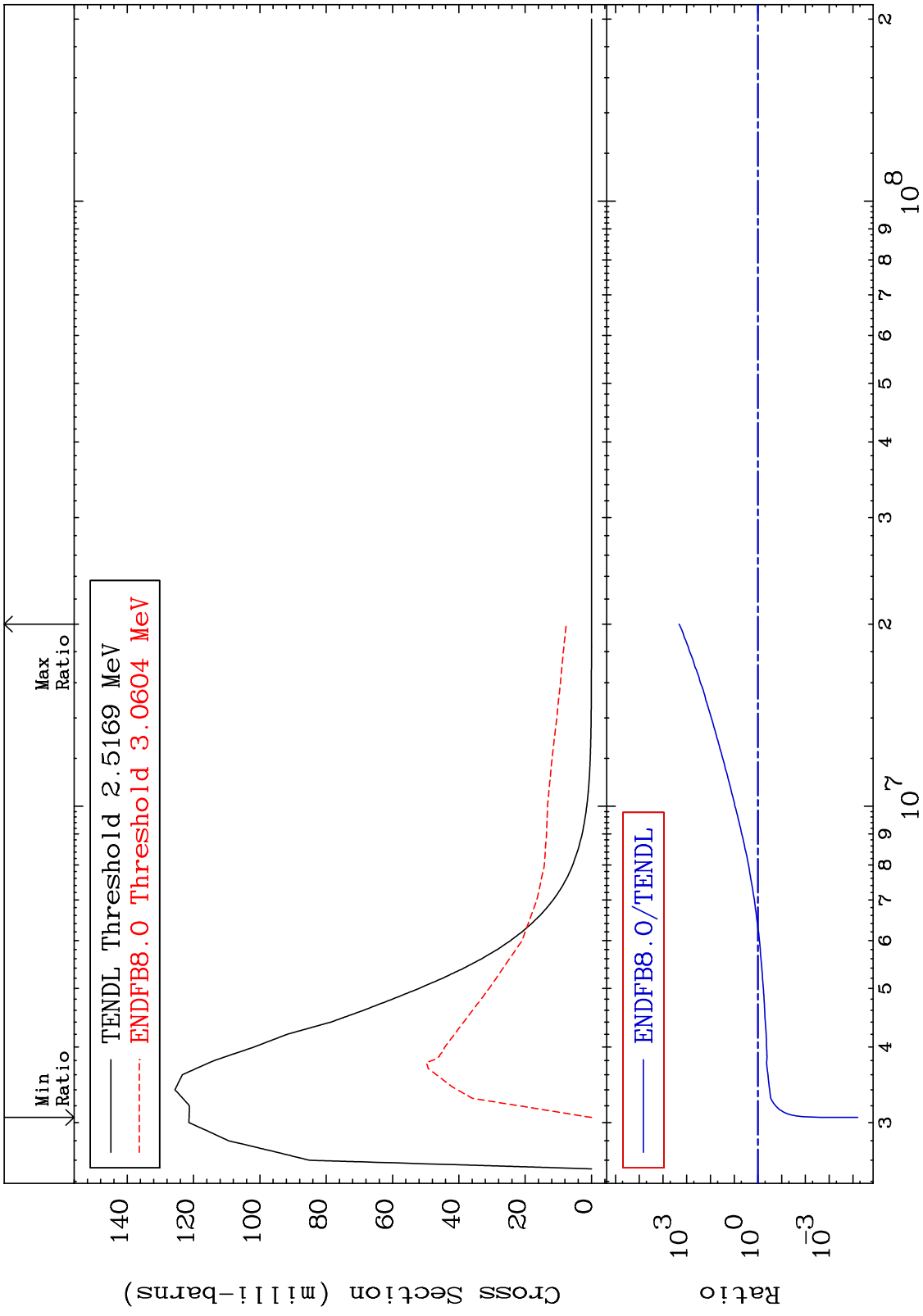
MAT 2231 MT= 52 (n,n') Level Cross Section -72.39 To 4492. % 22-Ti-48



MAT 2231 MT= 53 (n,n') Level Cross Section 22-Ti-48
 -8.575 To 2268. %

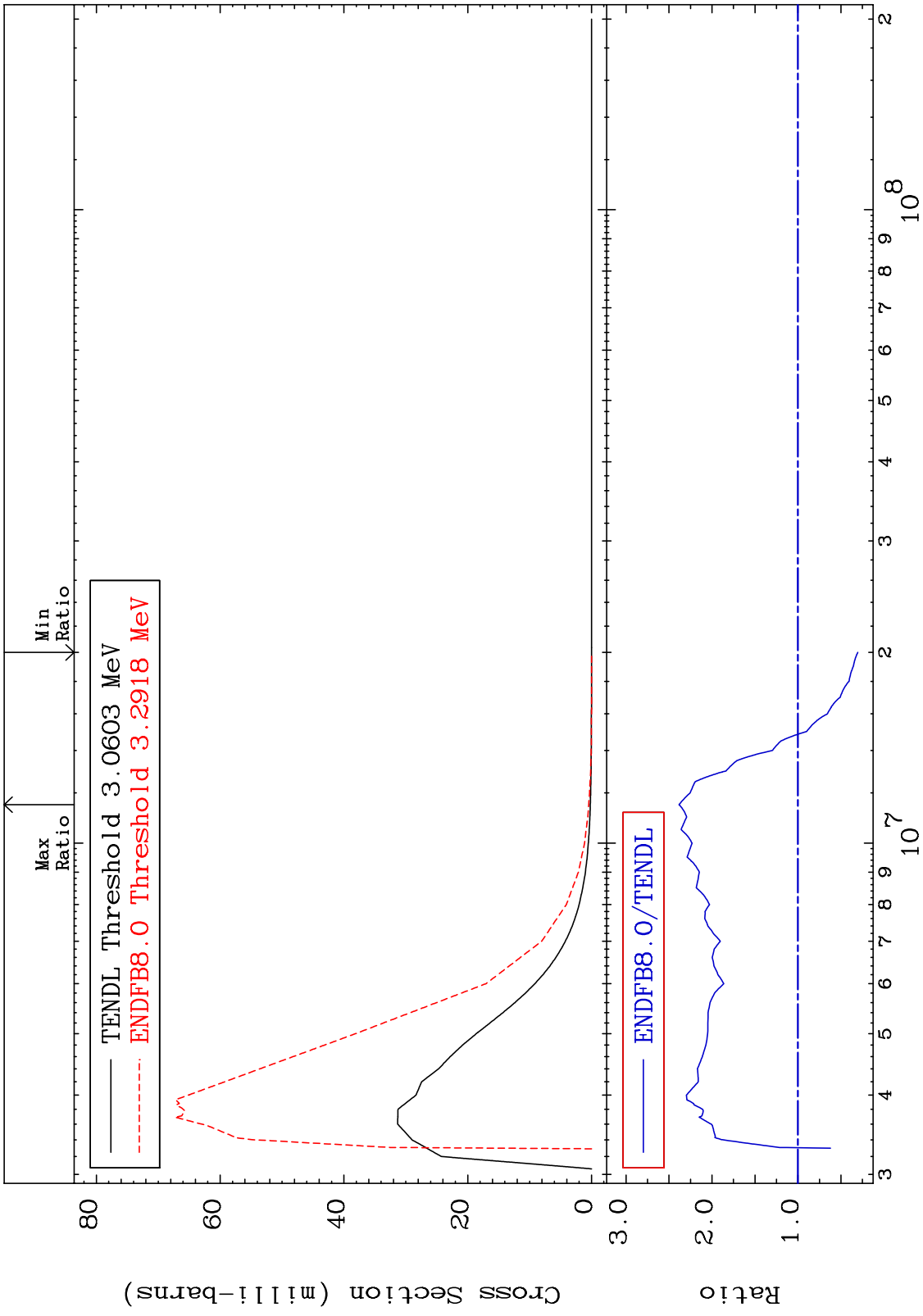


MAT 2231 MT= 54 (n,n') Level Cross Section -99.99 To 9999. % 22-Ti-48

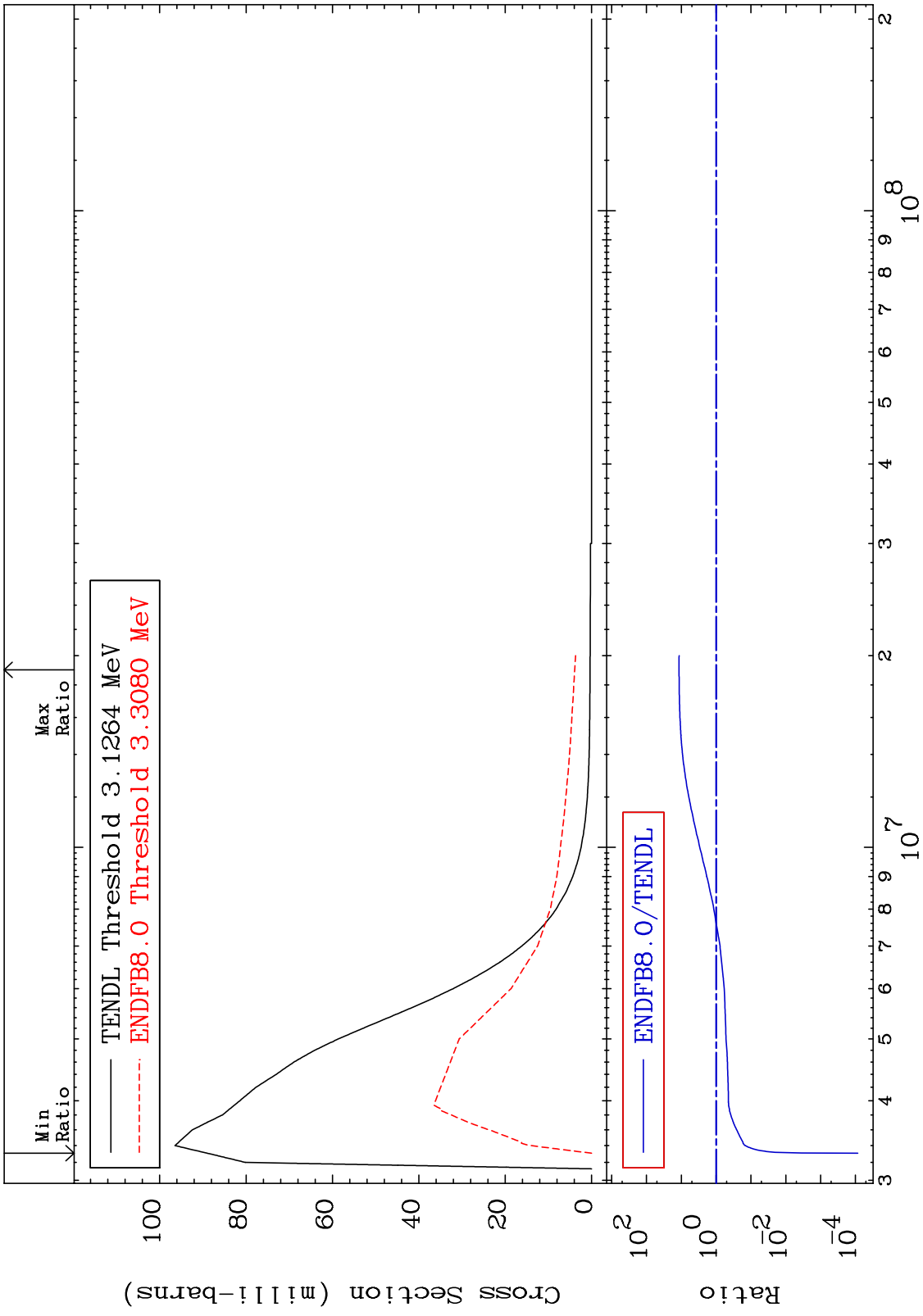


22-Ti-48

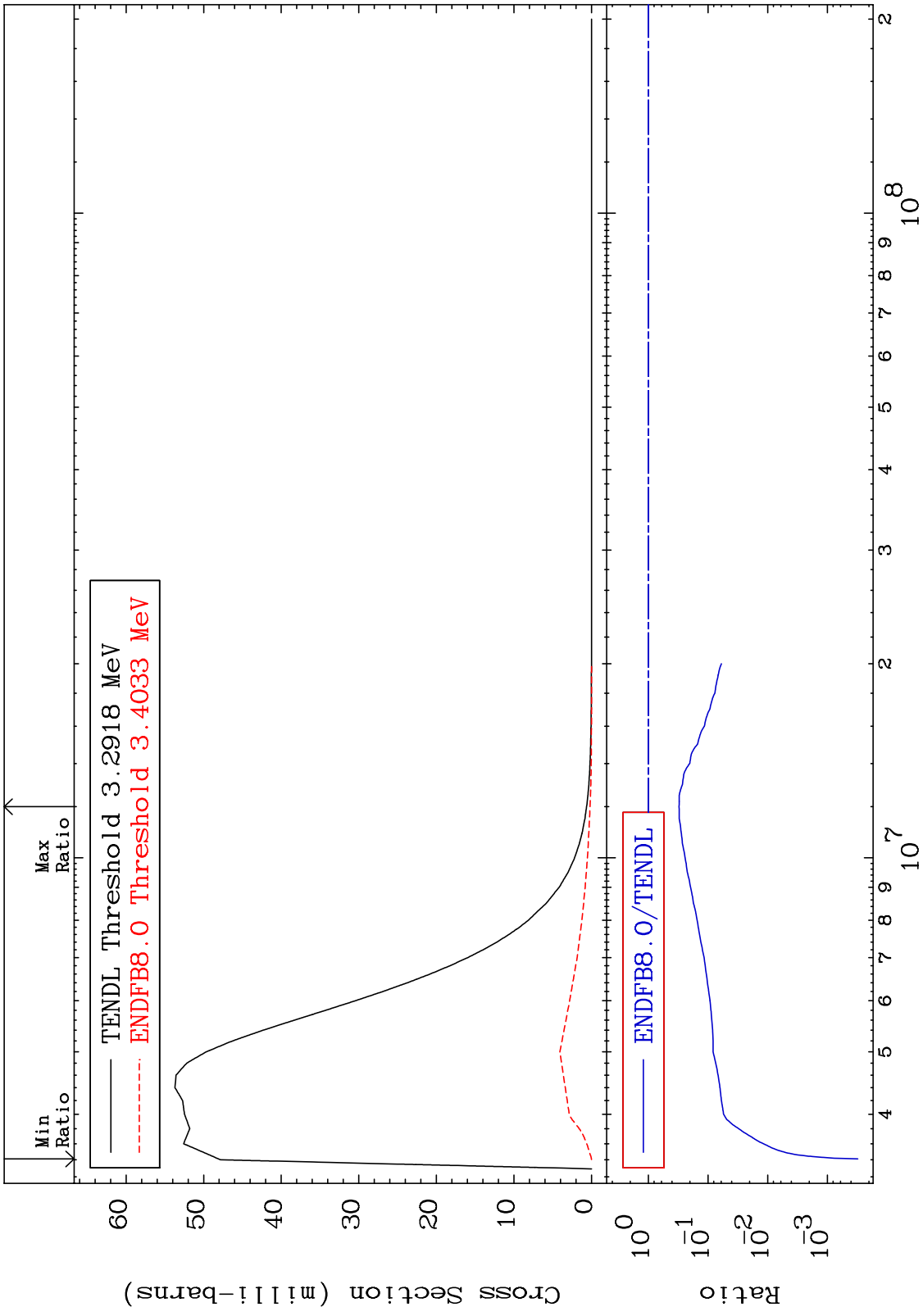
MAT 2231 MT= 55 (n,n') Level Cross Section -69.65 To 138.3 % 22-Ti-48



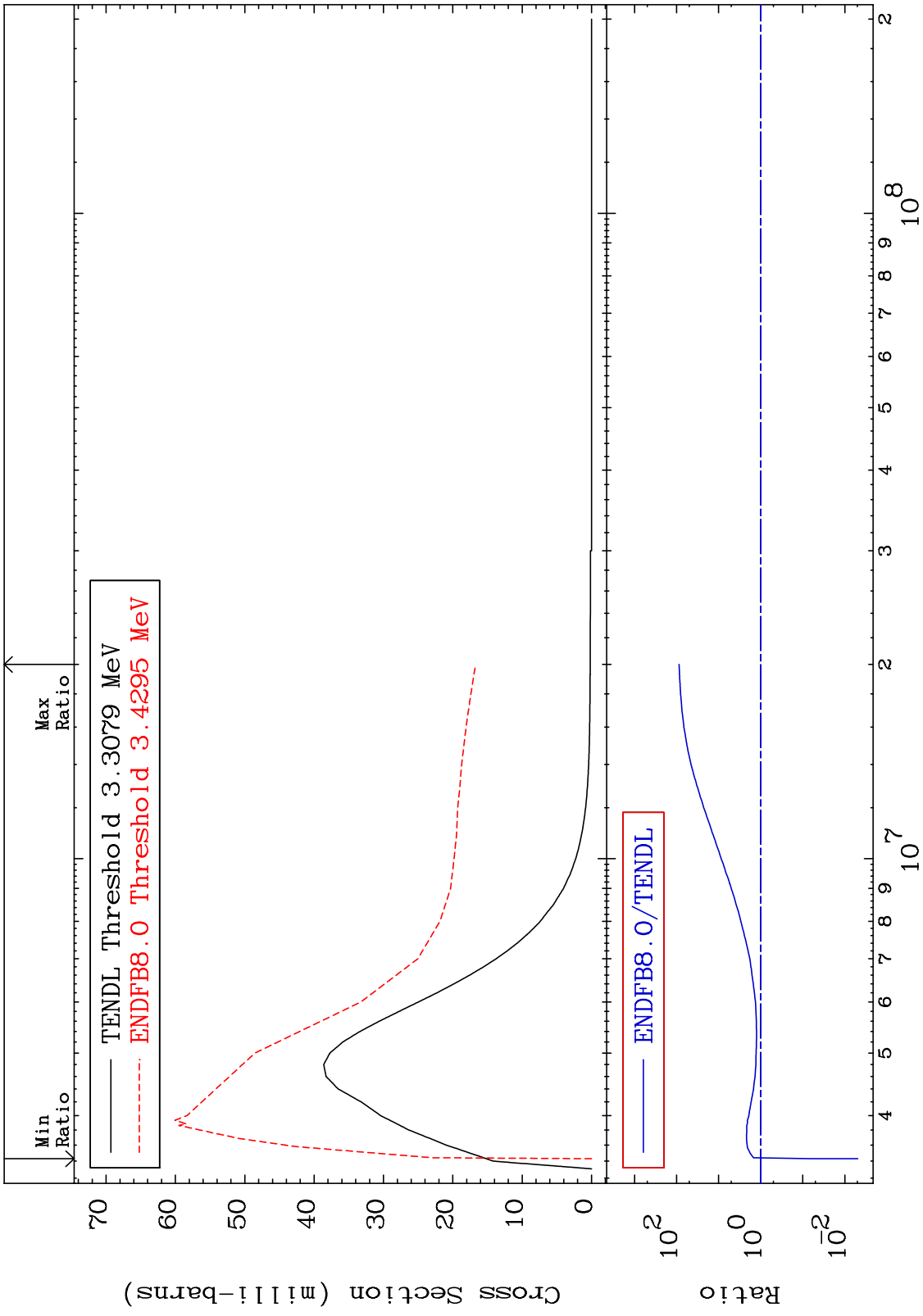
MAT 2231 MT= 56 (n,n') Level Cross Section 22-Ti-48
 -99.99 To 1060. %



MAT 2231 MT= 57 (n,n') Level Cross Section 22-Ti-48
 -99.97 To -69.48%



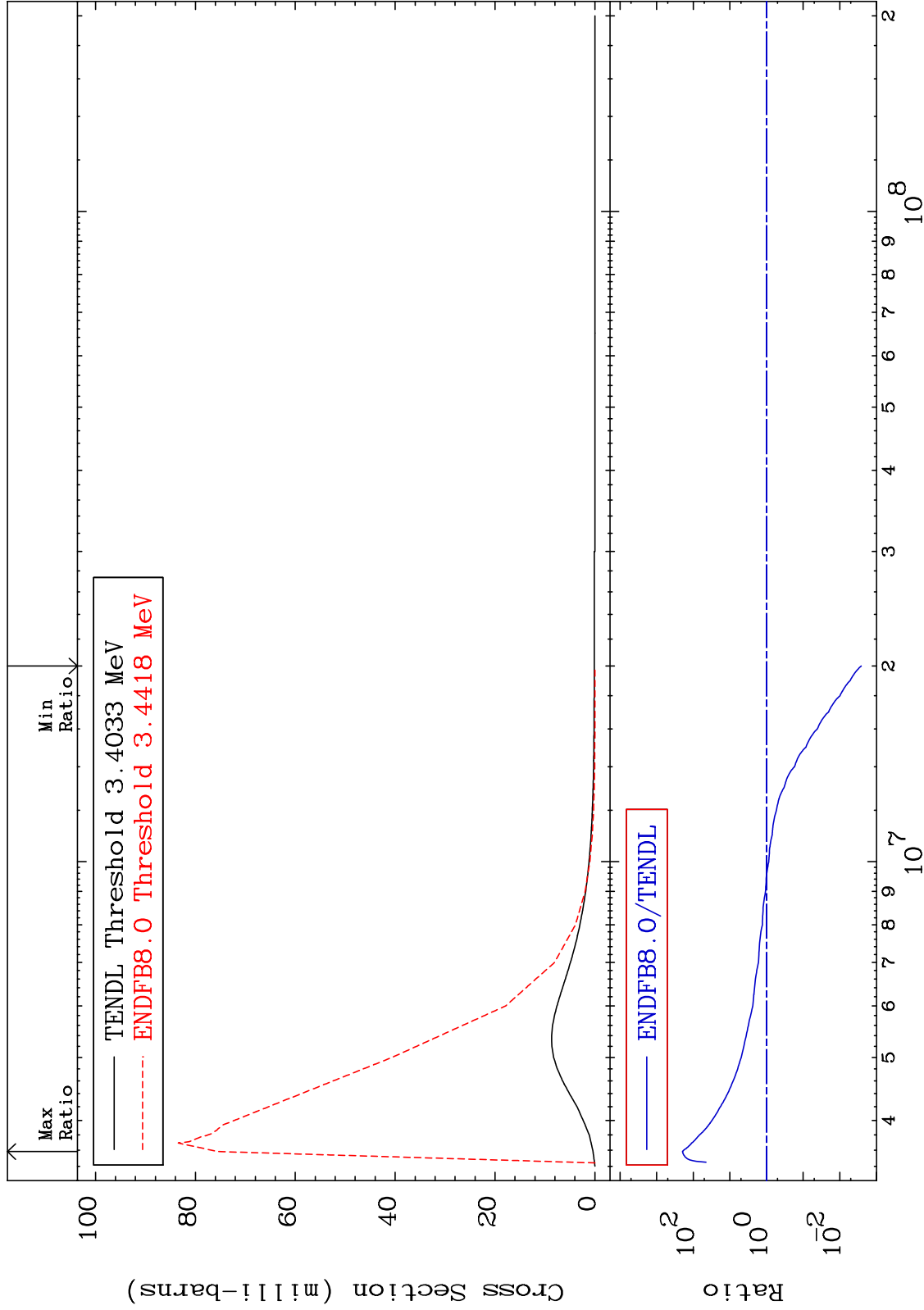
MAT 2231 MT= 58 (n,n') Level Cross Section 22-Ti-48
 -99.51 To 8648. %



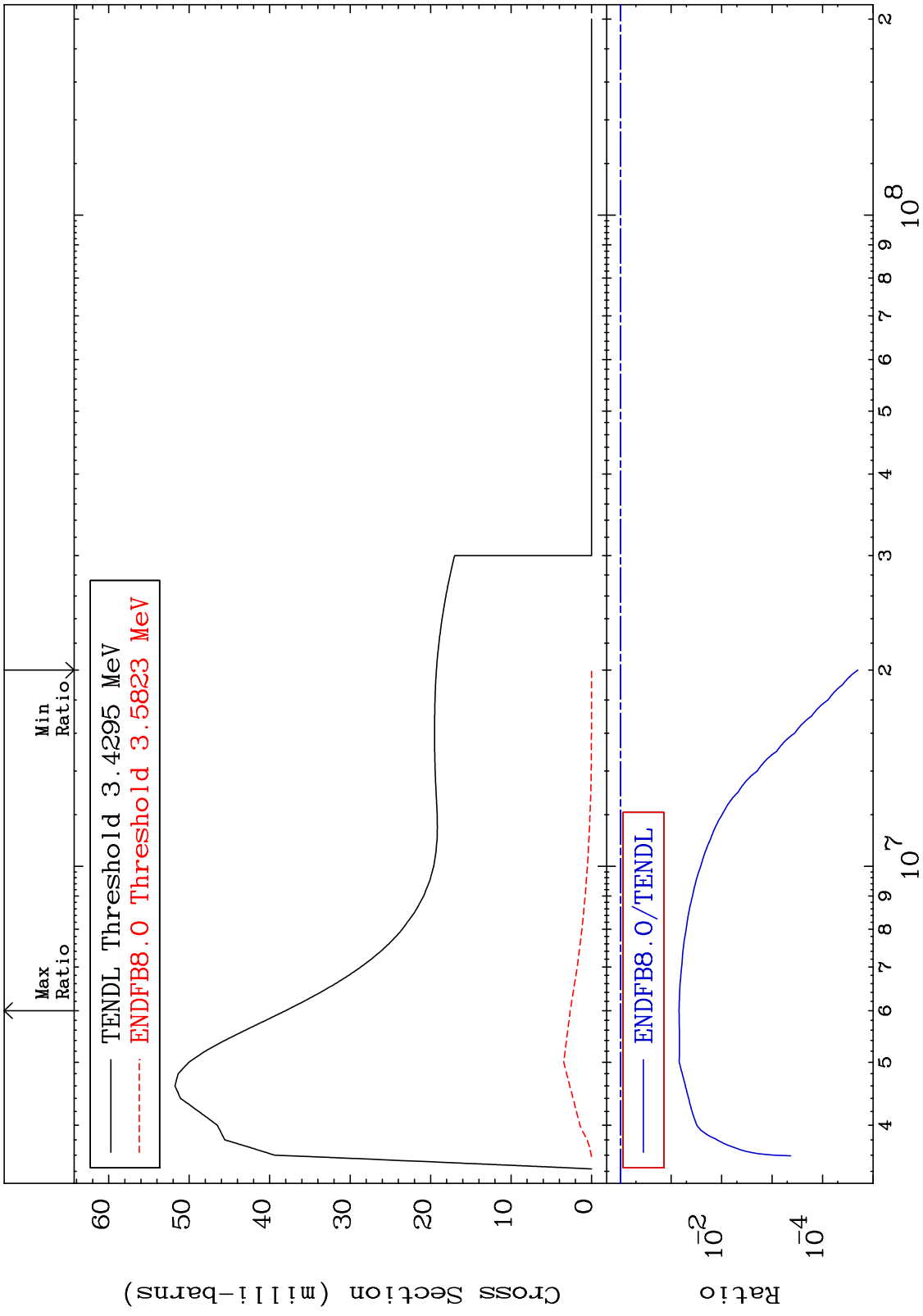
MAT 2231

MT= 59 (n,n') Level
Cross Section

22-Ti-48
-99.74 To 9999. %



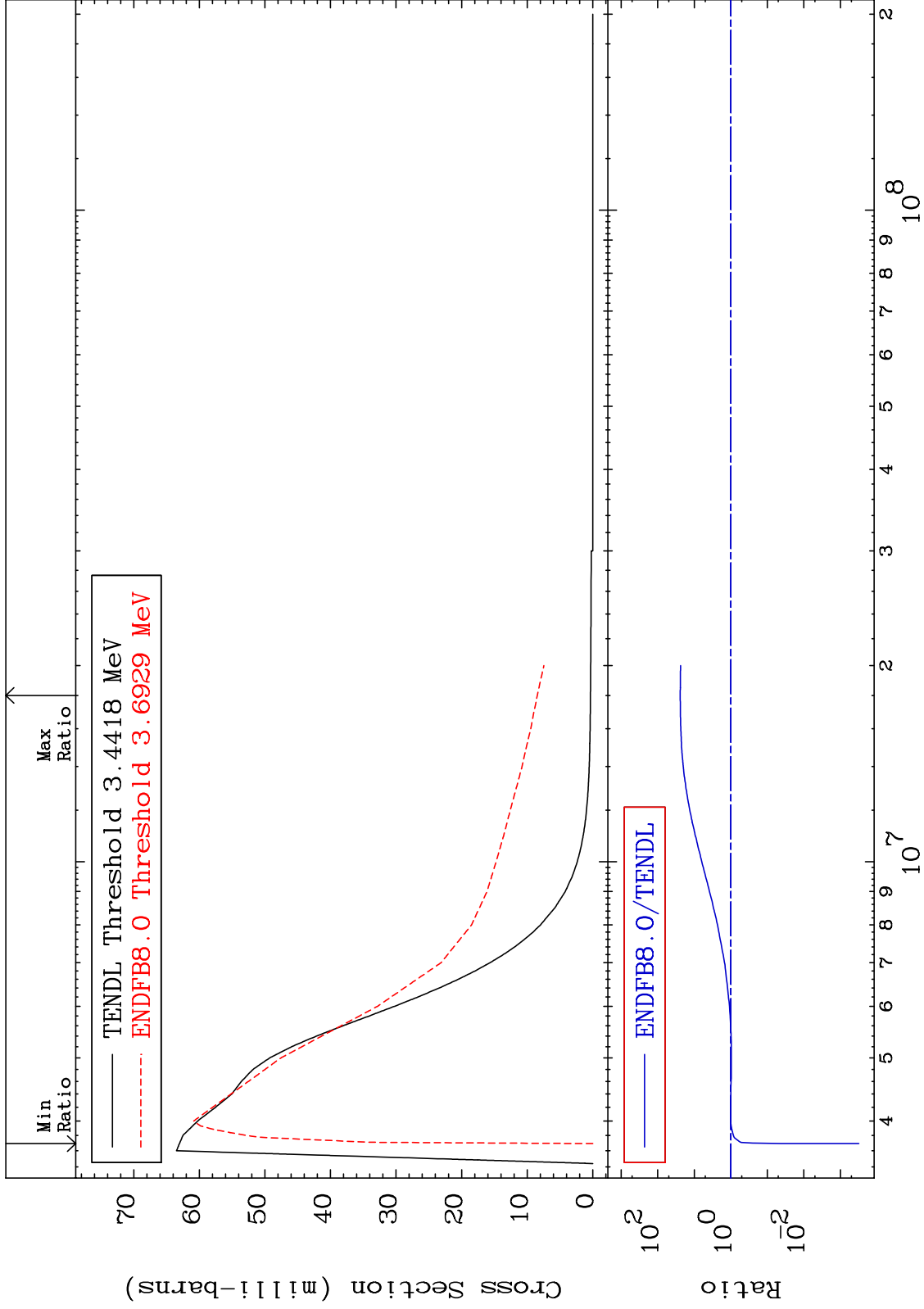
MAT 2231 MT= 60 (n,n') Level Cross Section -100.0 To -93.03% 22-Ti-48



MAT 2231

MT= 61 (n,n') Level
Cross Section

22-Ti-48
-99.97 To 2322. %



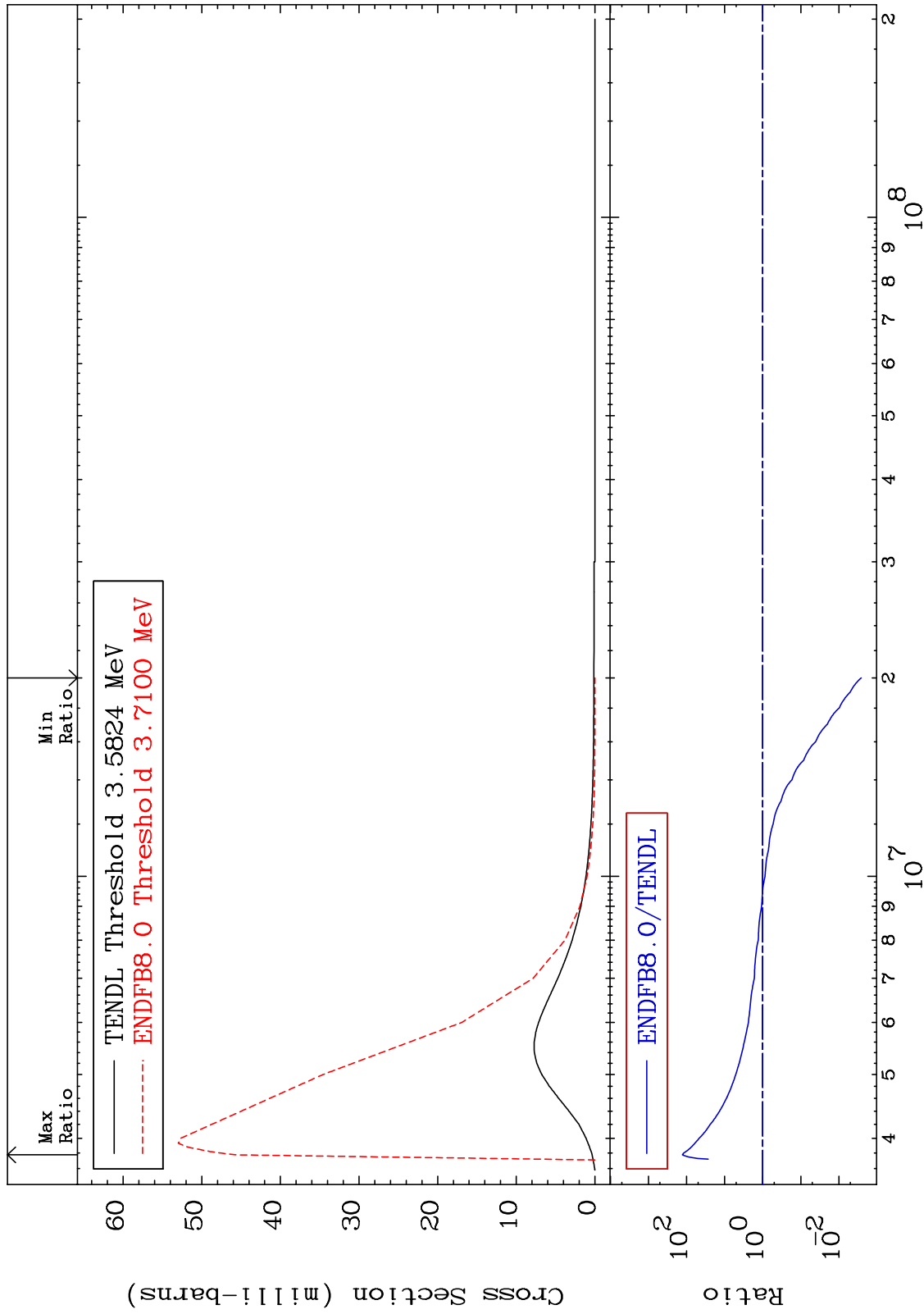
17

22-Ti-48

MAT 2231

MT= 62 (n,n') Level
Cross Section

22-Ti-48
-99.74 To 9999. %

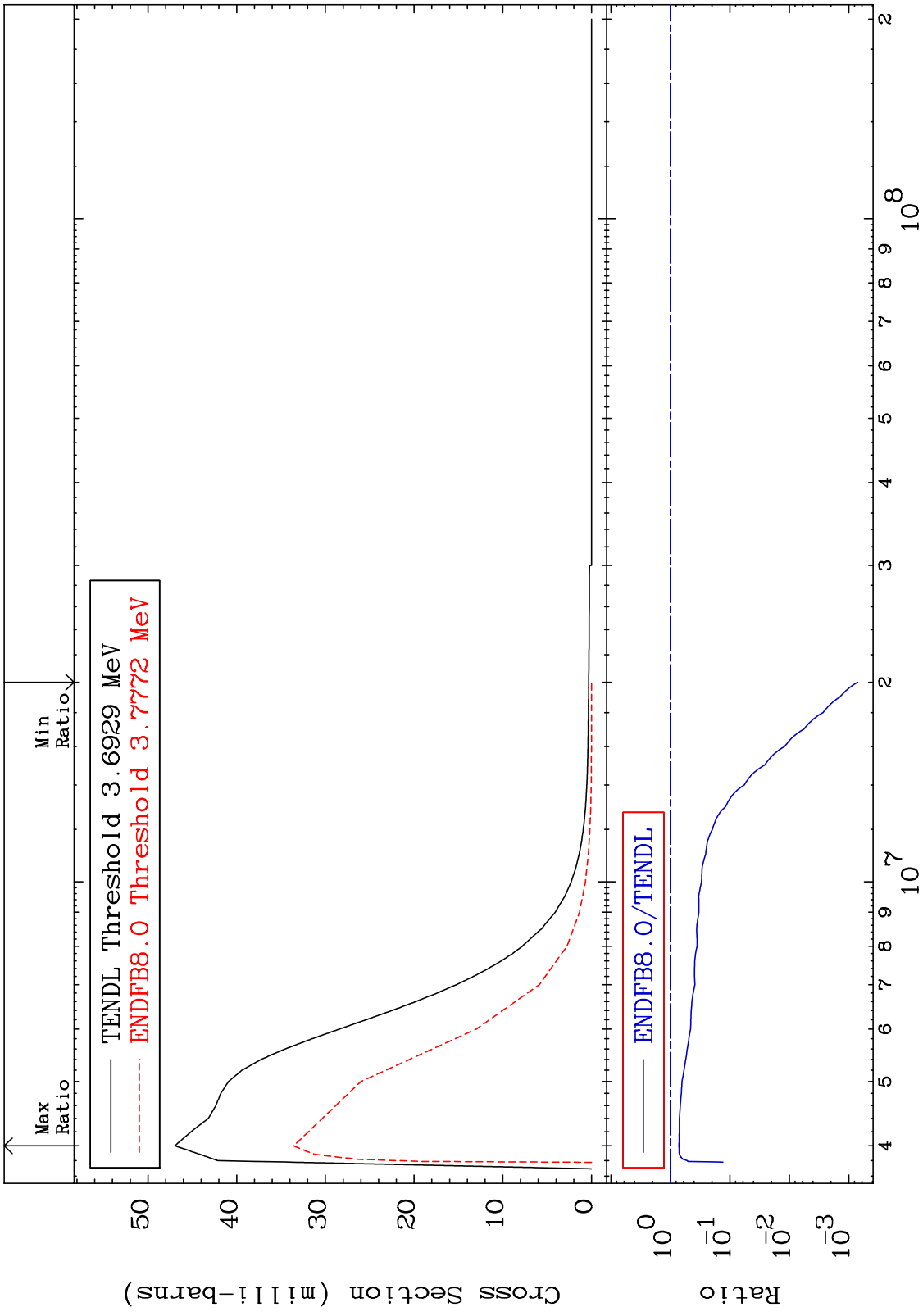


18

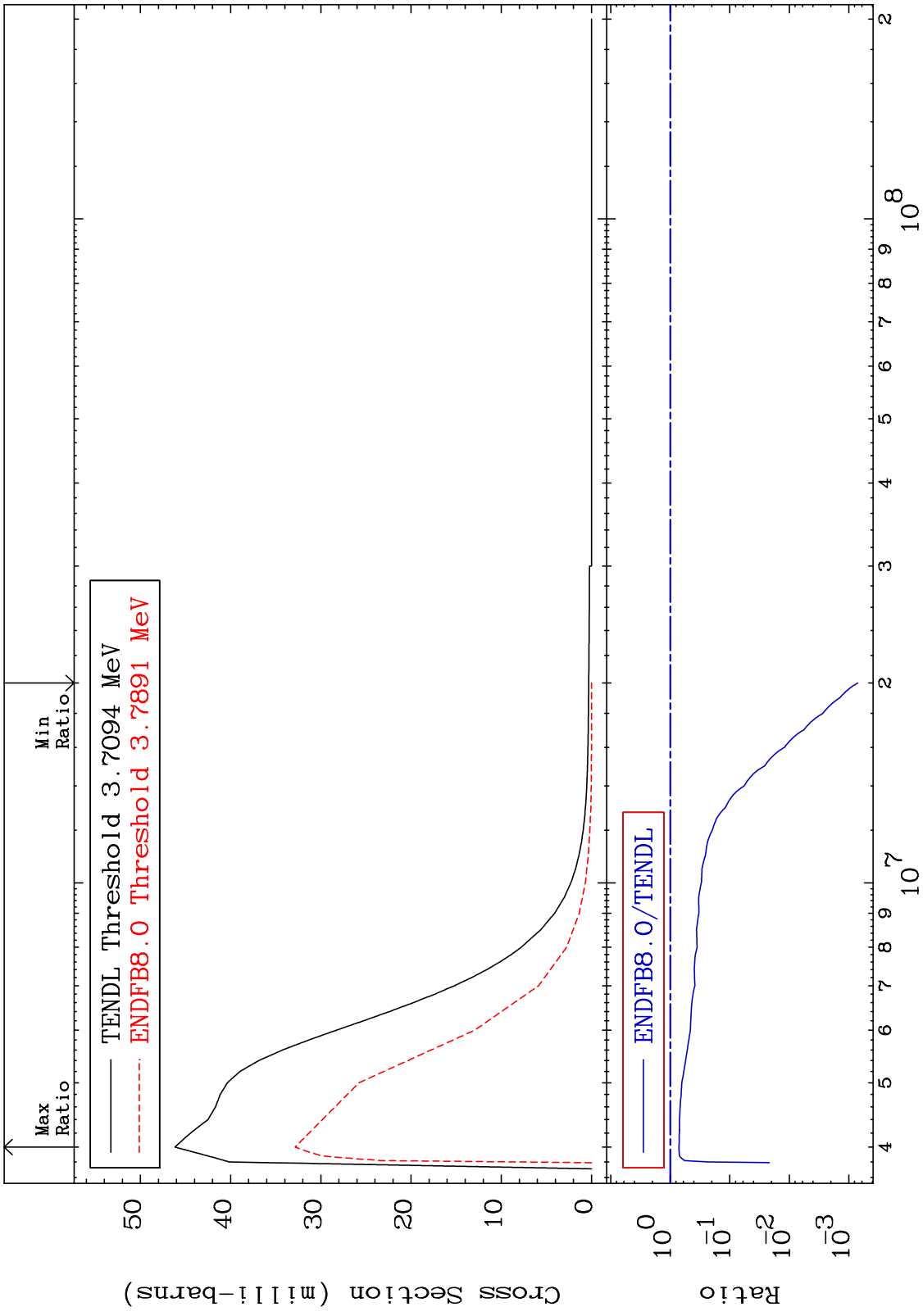
22-Ti-48

22-Ti-48

MAT 2231 MT= 63 (n,n') Level Cross Section 22-Ti-48
 -99.93 To -28.50%

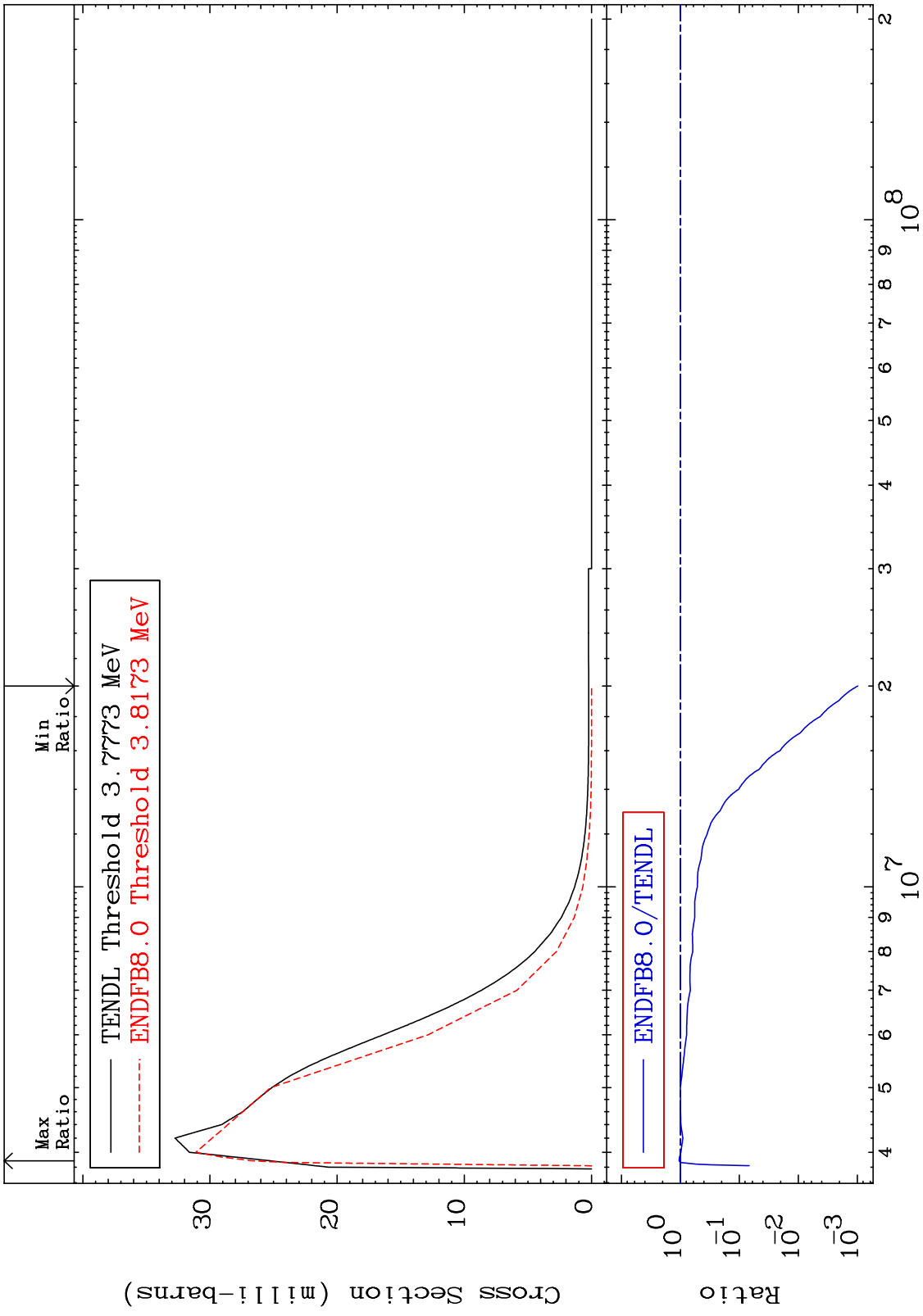


MAT 2231 MT= 64 (n,n') Level Cross Section 22-Ti-48
 -99.93 To -28.84%

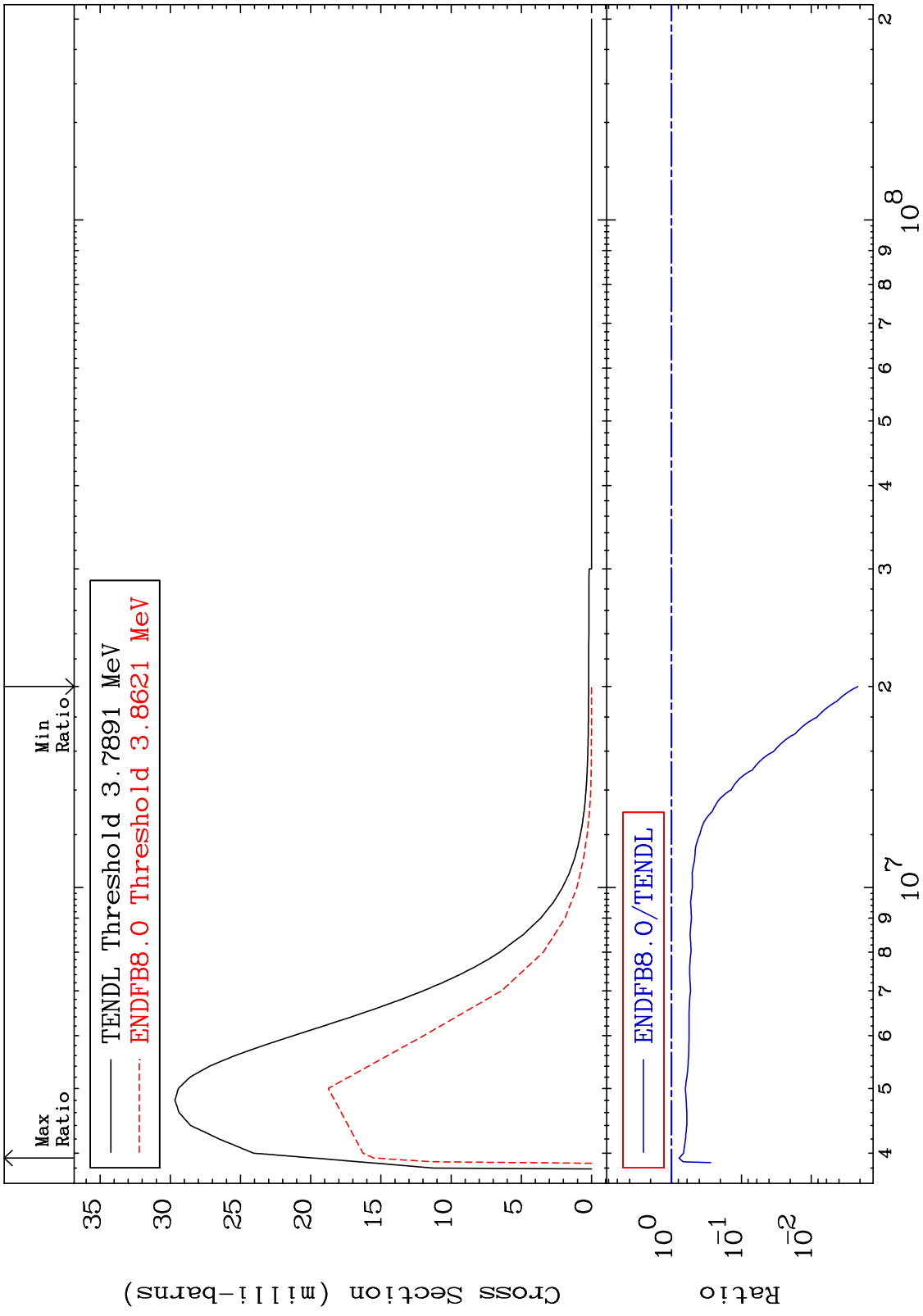


20 22-Ti-48 Incident Energy (eV)

MAT 2231 MT= 65 (n,n') Level Cross Section -99.90 To 5.556 % 22-Ti-48



MAT 2231 MT= 66 (n,n') Level Cross Section -99.79 To -21.70% 22-Ti-48

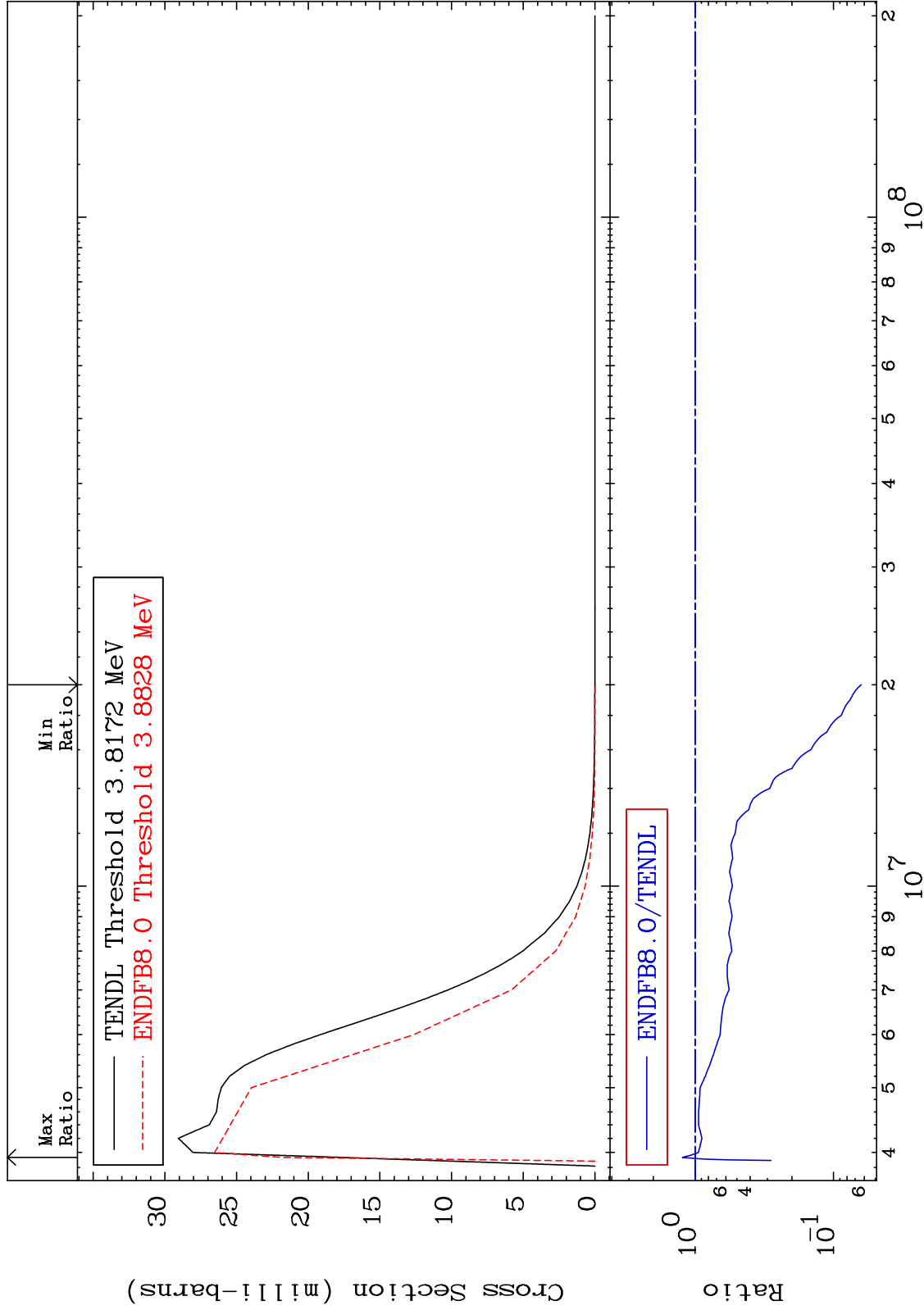


22 Incident Energy (eV) 22-Ti-48

MAT 2231

MT= 67 (n,n') Level
Cross Section

22-Ti-48
-93.69 To 23.34 %

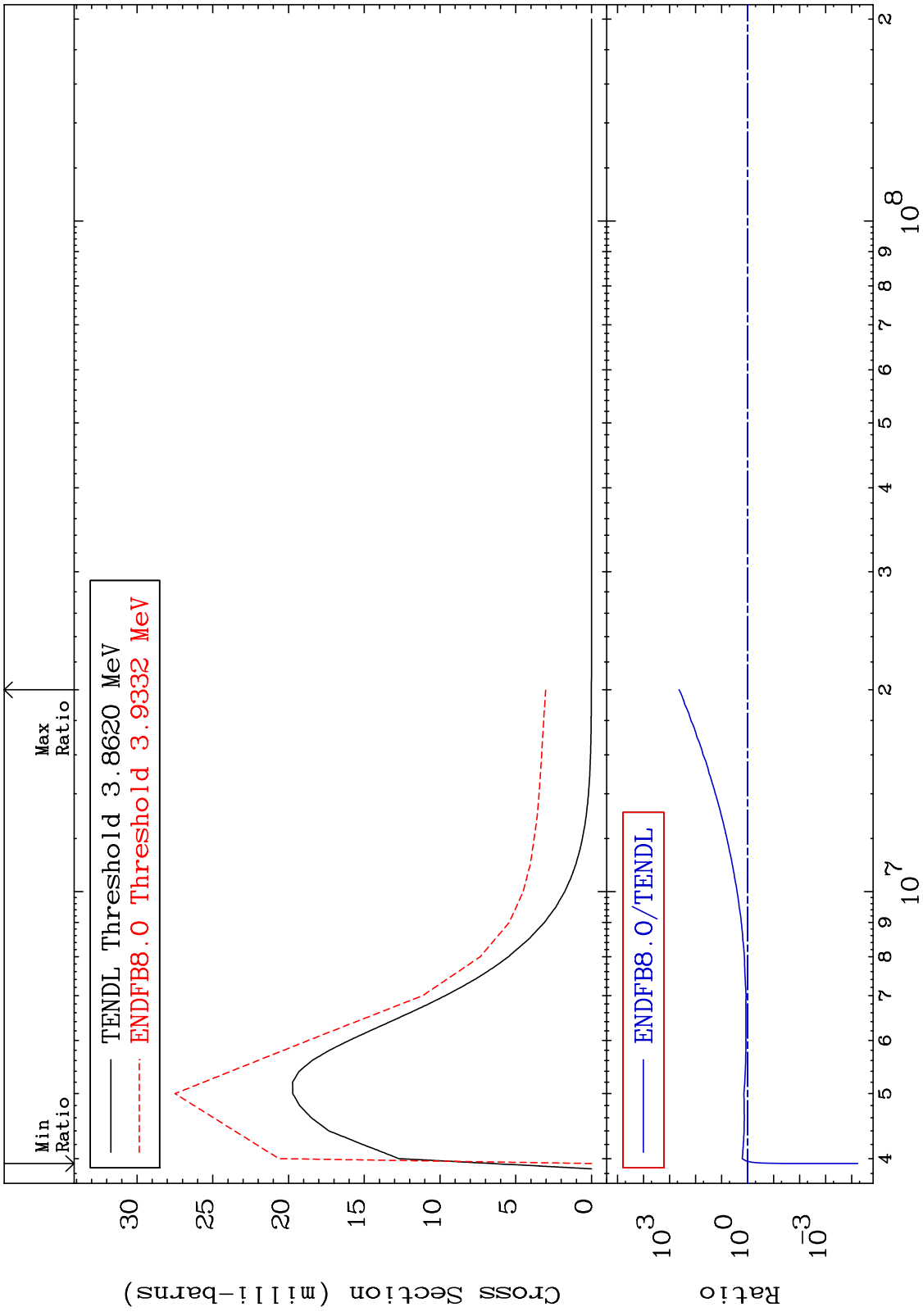


23

Incident Energy (eV)

22-Ti-48

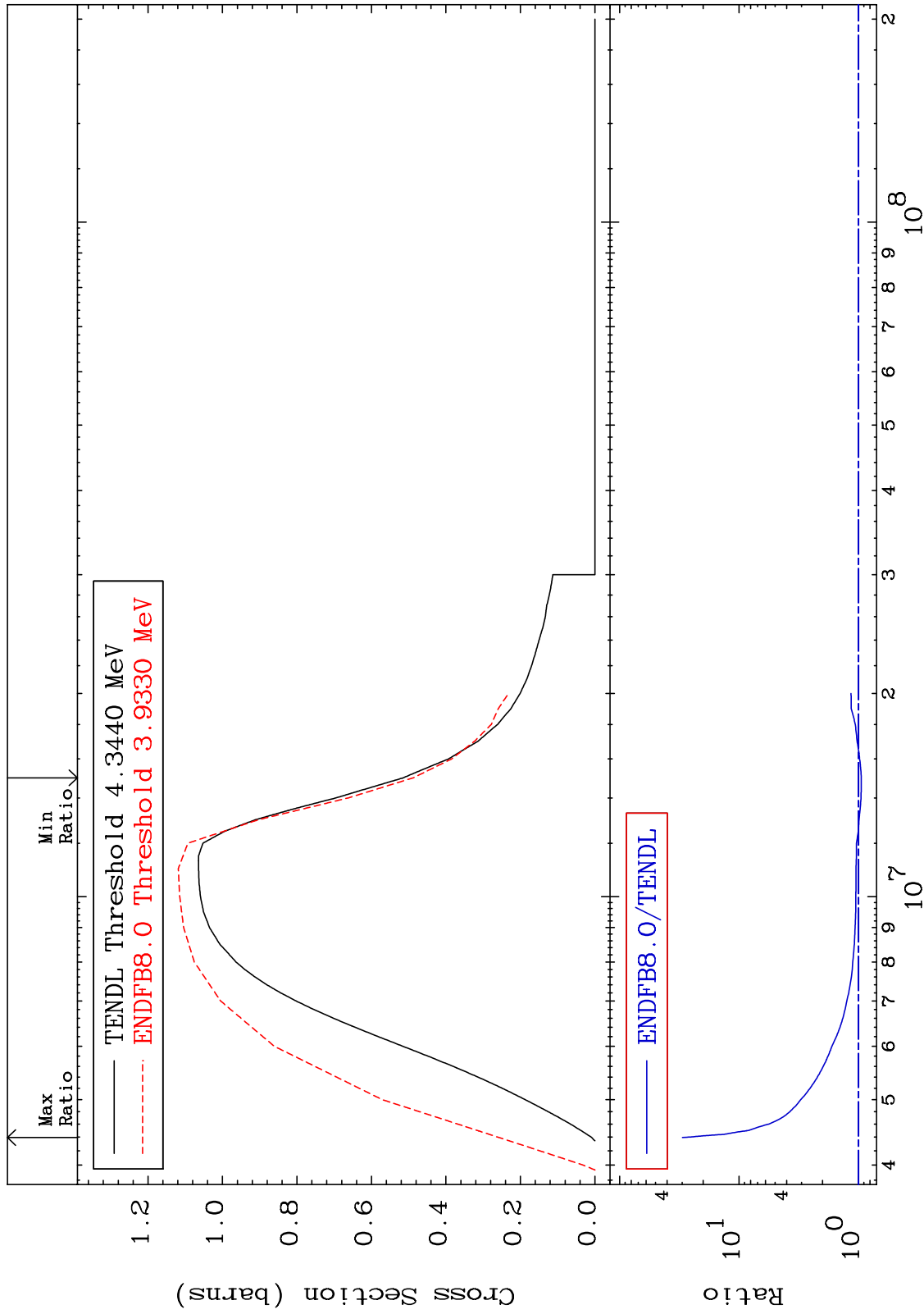
MAT 2231 MT= 68 (n,n') Level Cross Section -99.99 To 9999. % 22-Ti-48



MAT 2231

(n, n') Continuum
Cross Section

22-Ti-48
-5.223 To 2878. %



25

Incident Energy (eV)

22-Ti-48

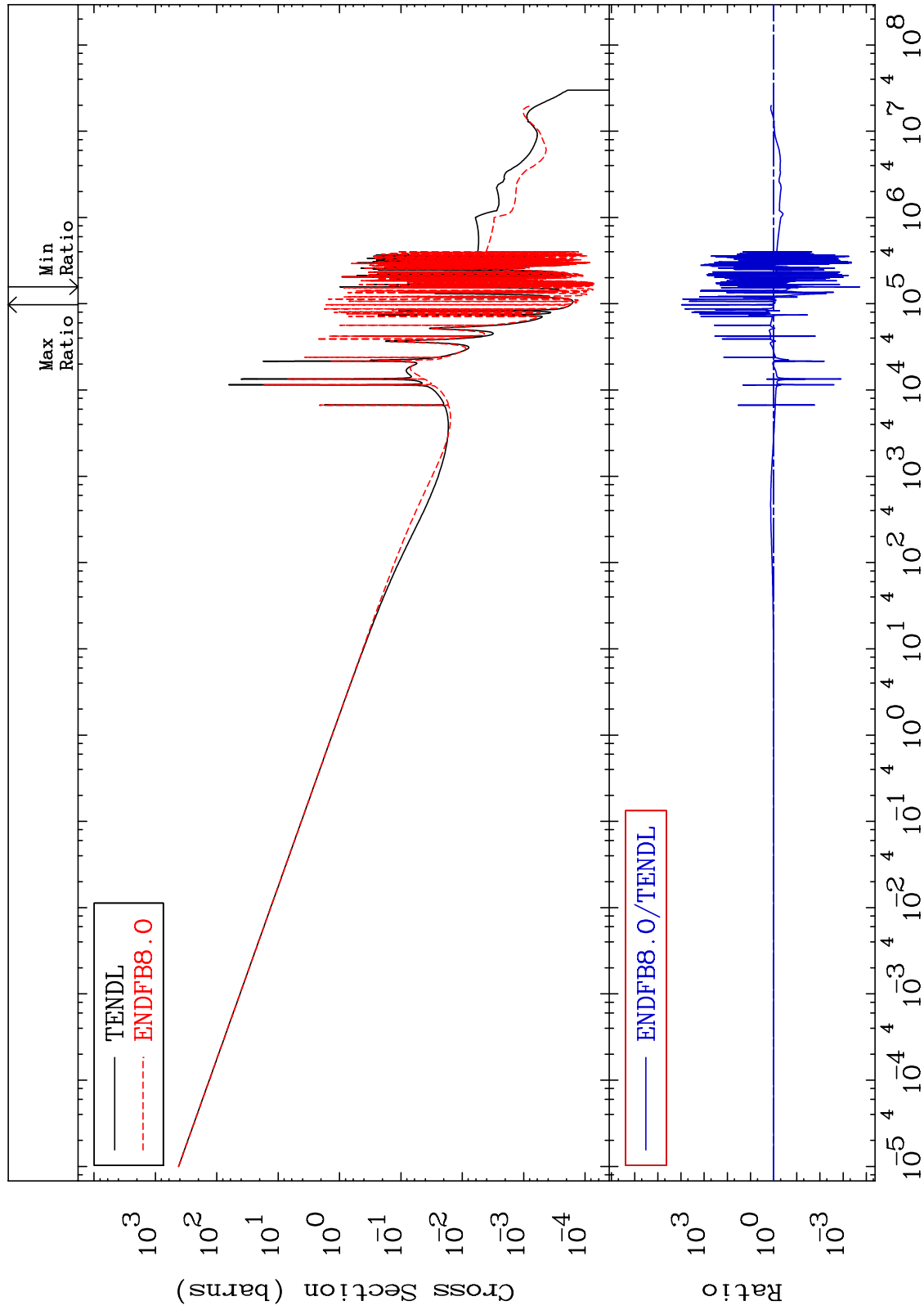
MAT 2231

(n, γ)

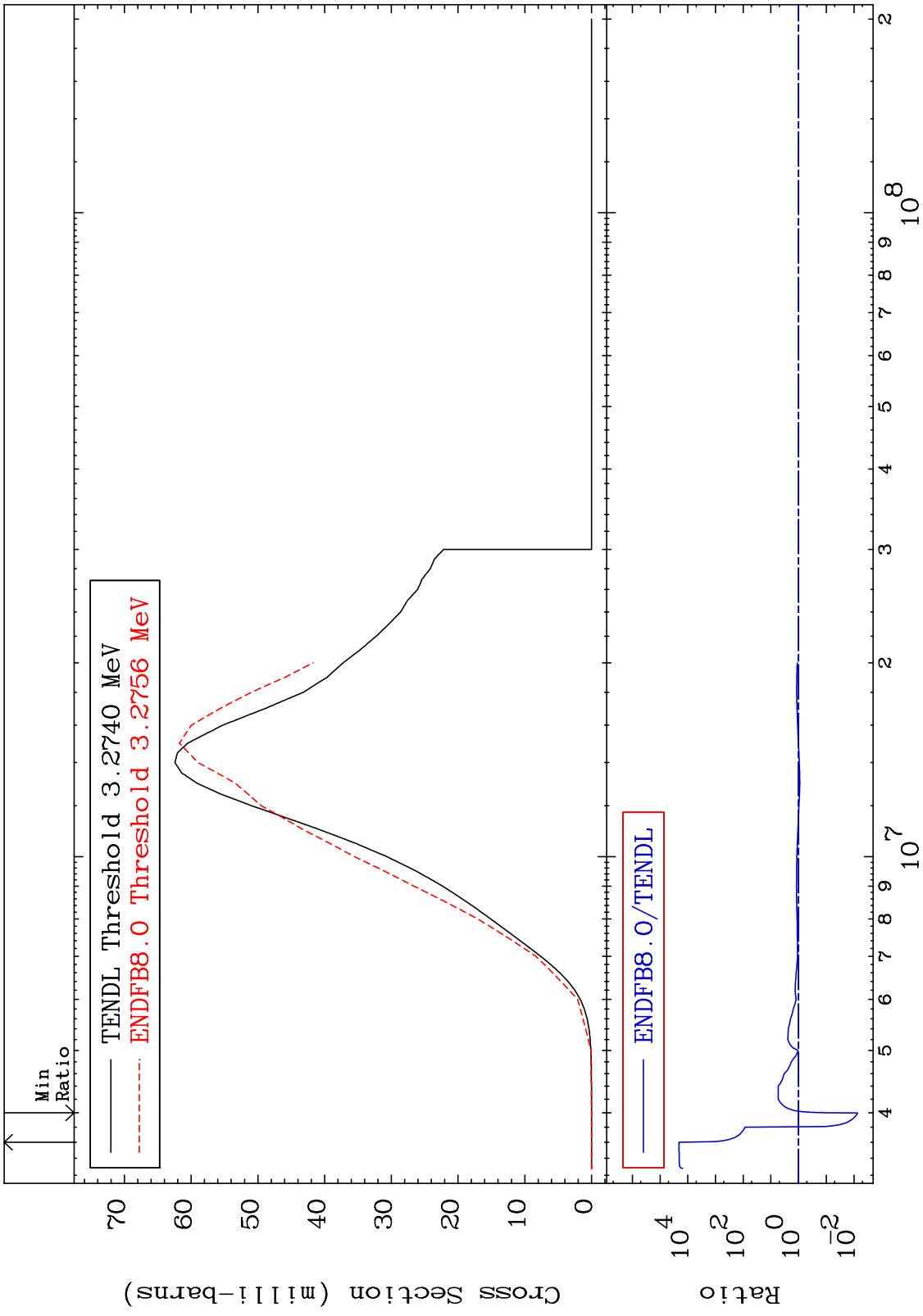
22-Ti-48

Cross Section

-99.98 To 9999. %

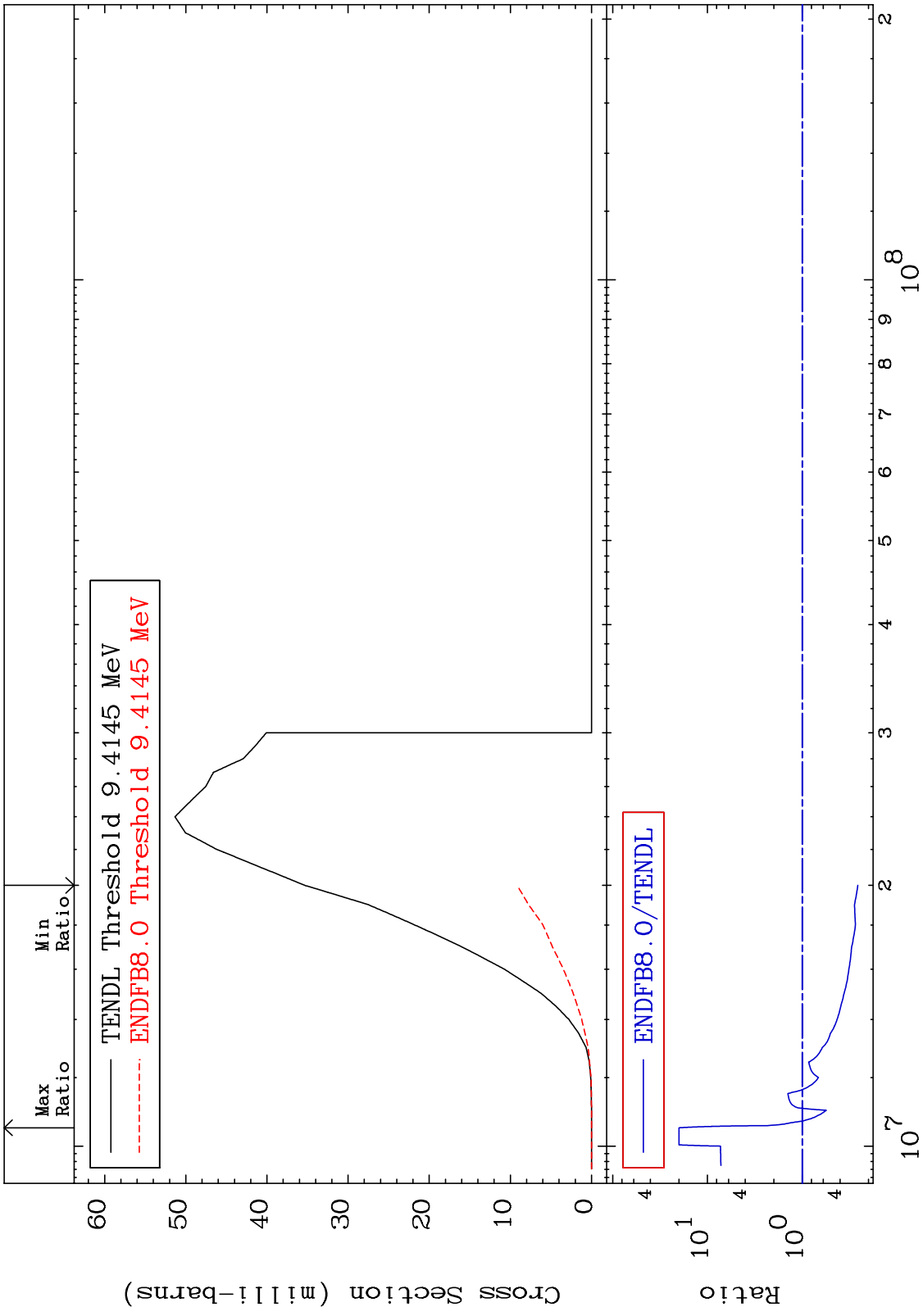


MAT 2231 (n,p) Cross Section 22-Ti-48
 -99.28 To 9999. %

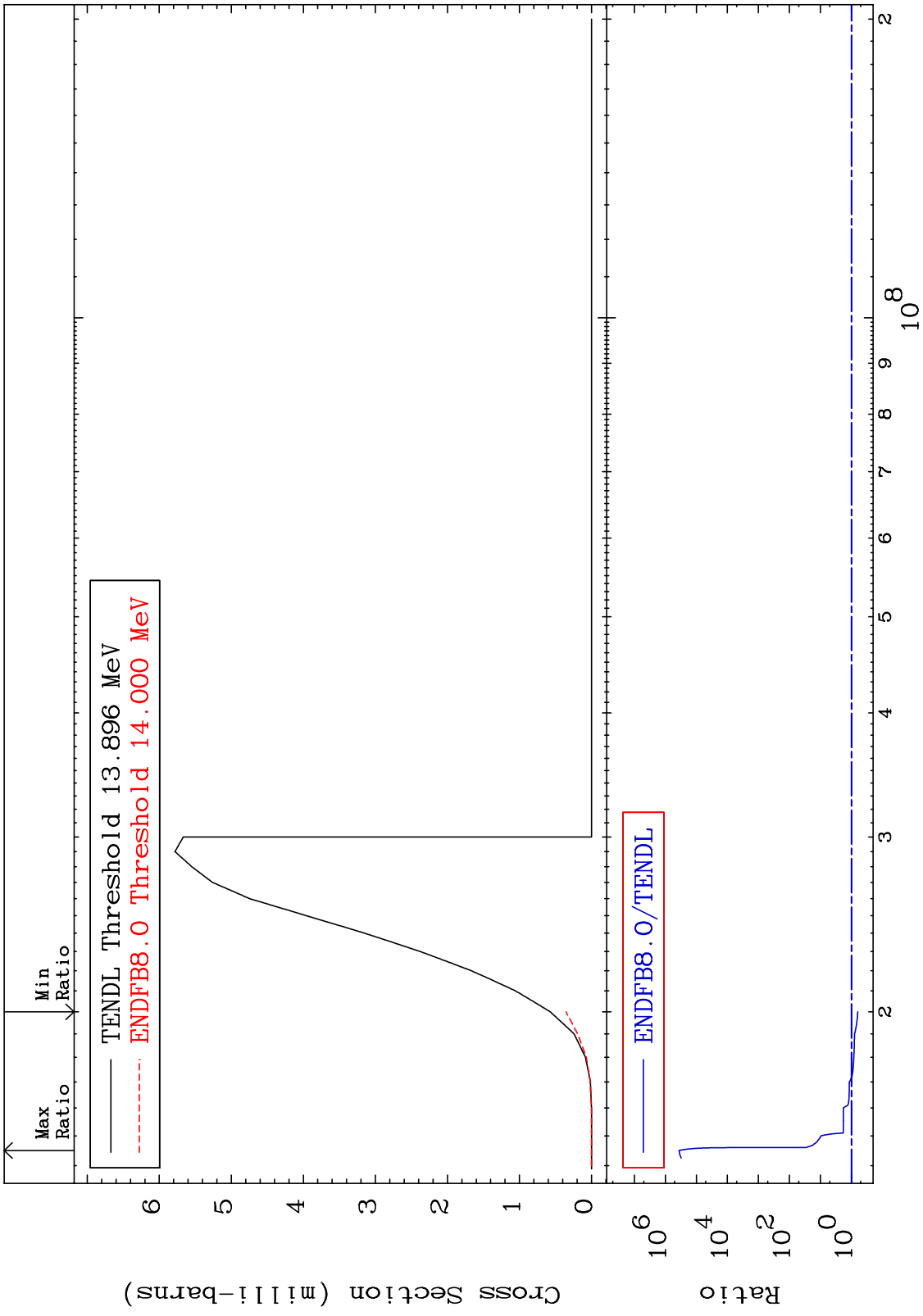


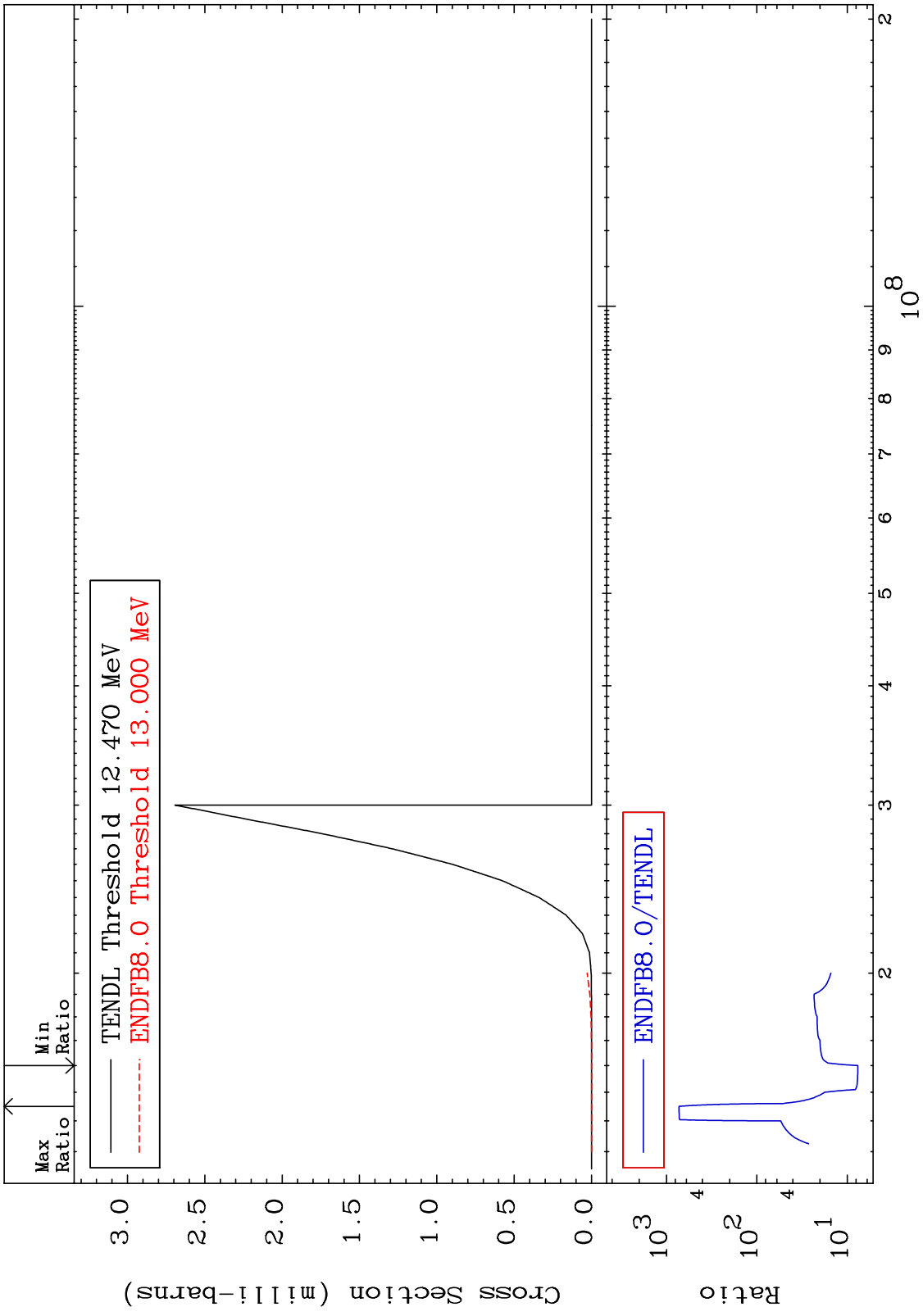
27 22-Ti-48

MAT 2231 (n,d) Cross Section 22-Ti-48
 -74.03 To 1894. %

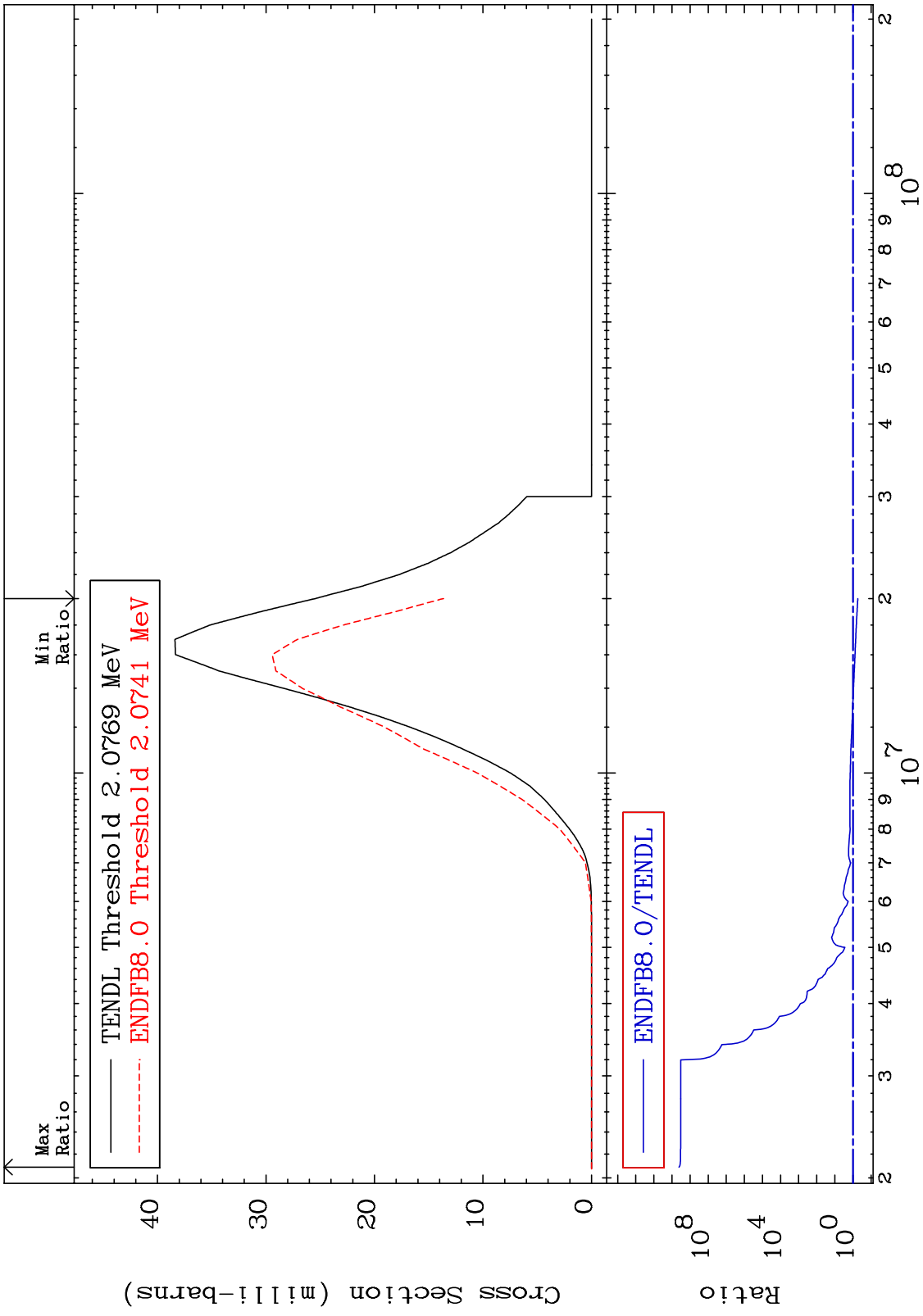


28 Incident Energy (eV) 22-Ti-48





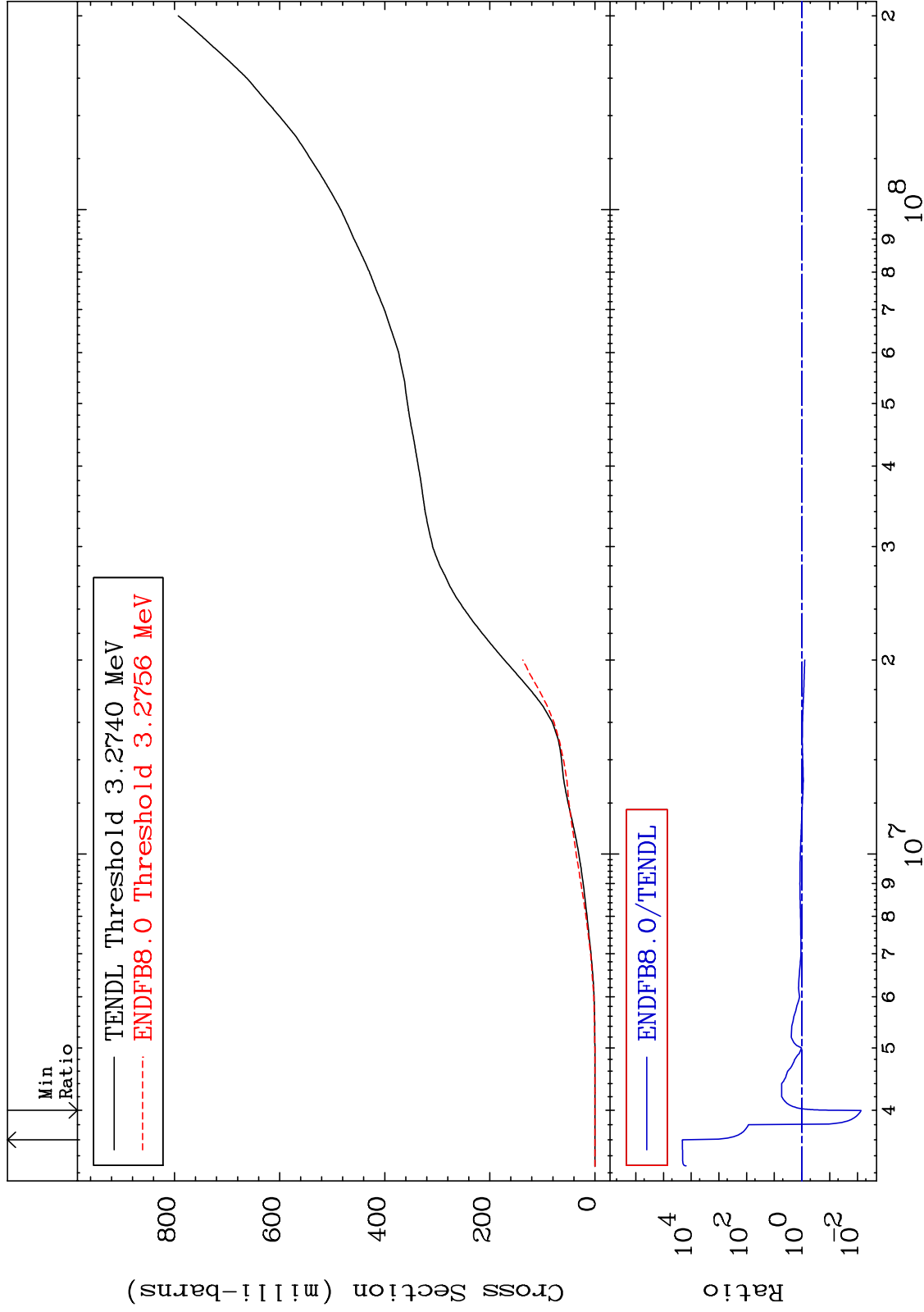
MAT 2231 (n,α) 22-Ti-48
 Cross Section -46.37 To 9999. %



MAT 2231

Hydrogen Production
Cross Section

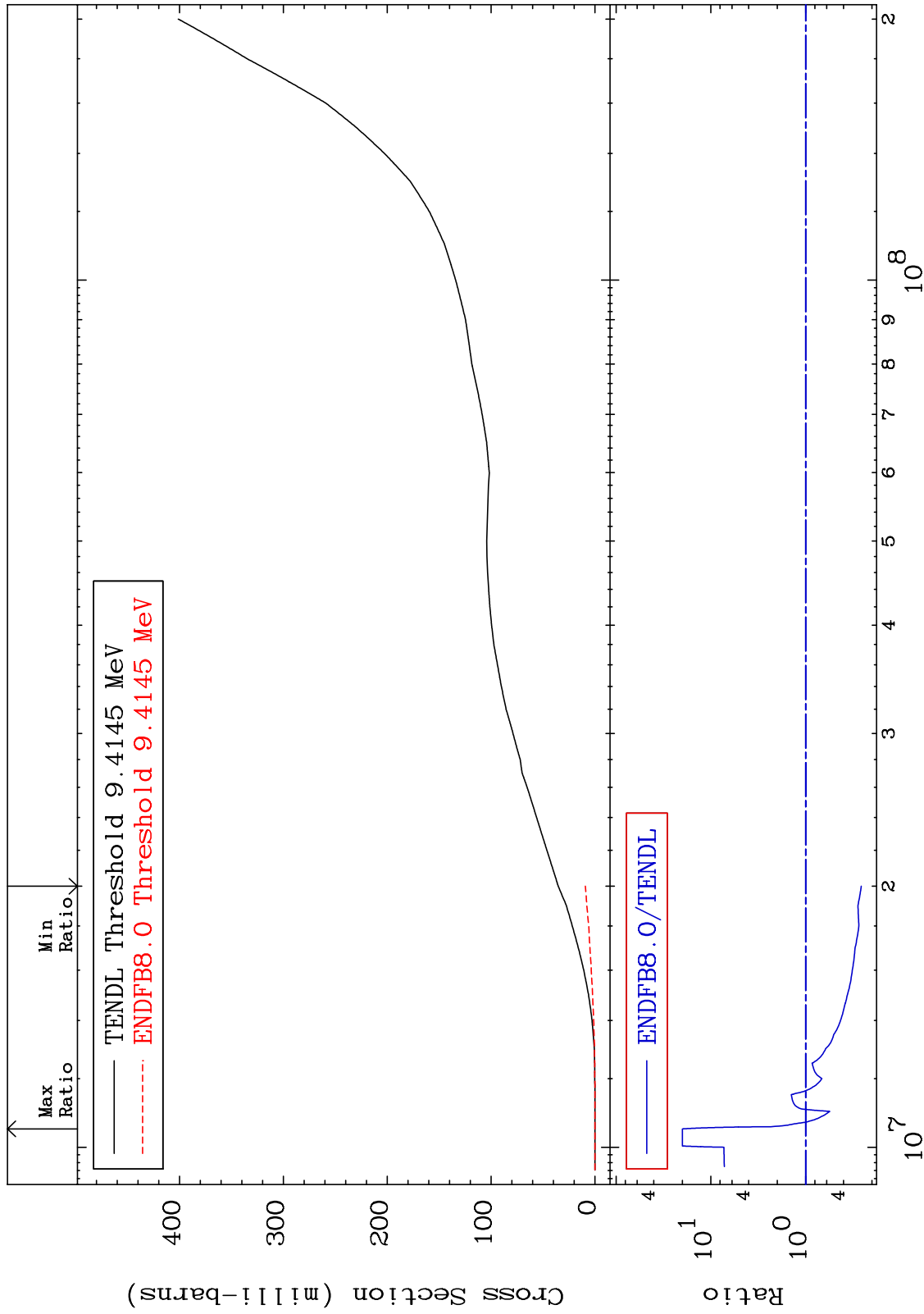
22-Ti-48
-99.28 To 9999. %



MAT 2231

Deuterium Production
Cross Section

22-Ti-48
-74.03 To 1894. %



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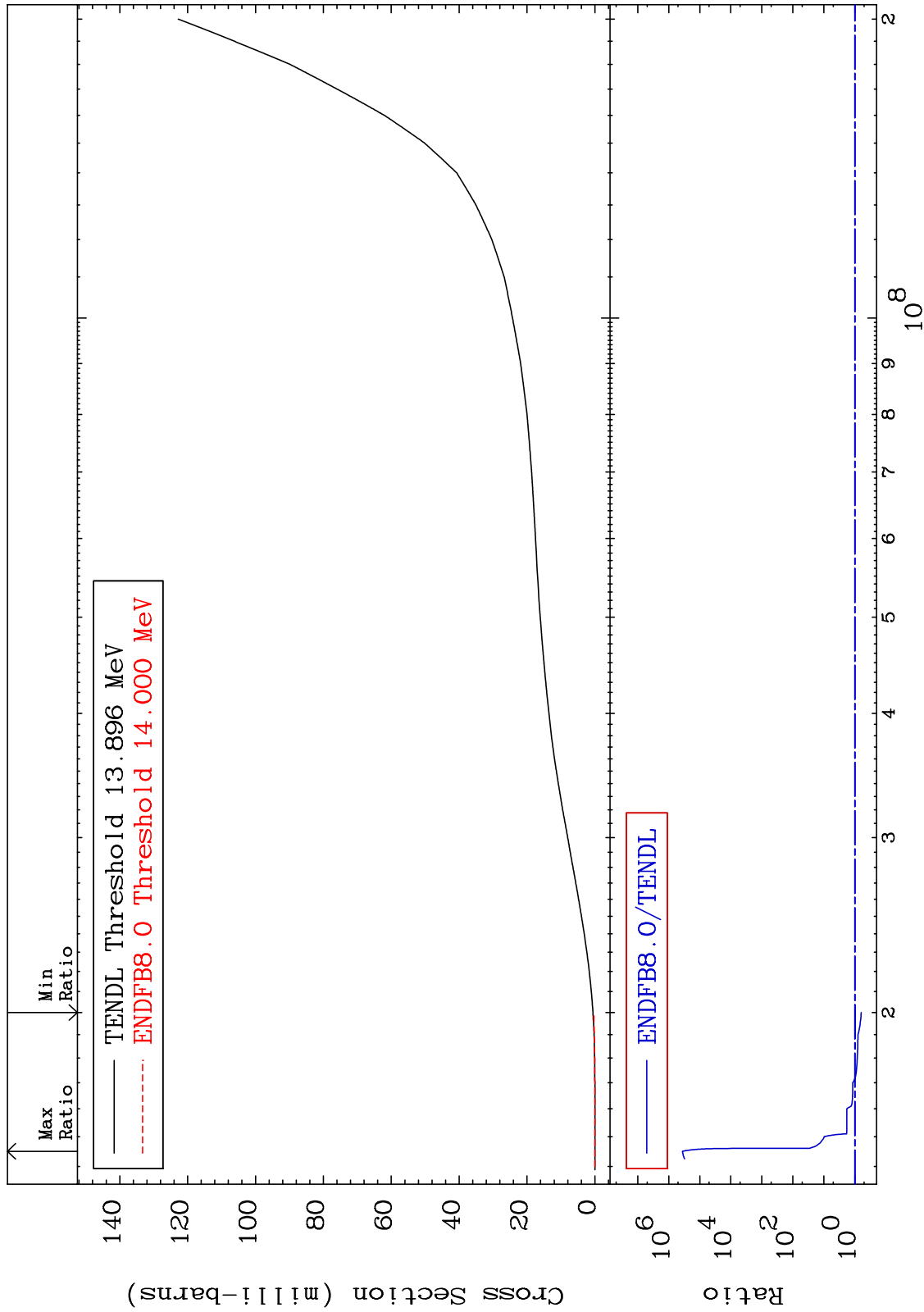
Incident Energy (eV)

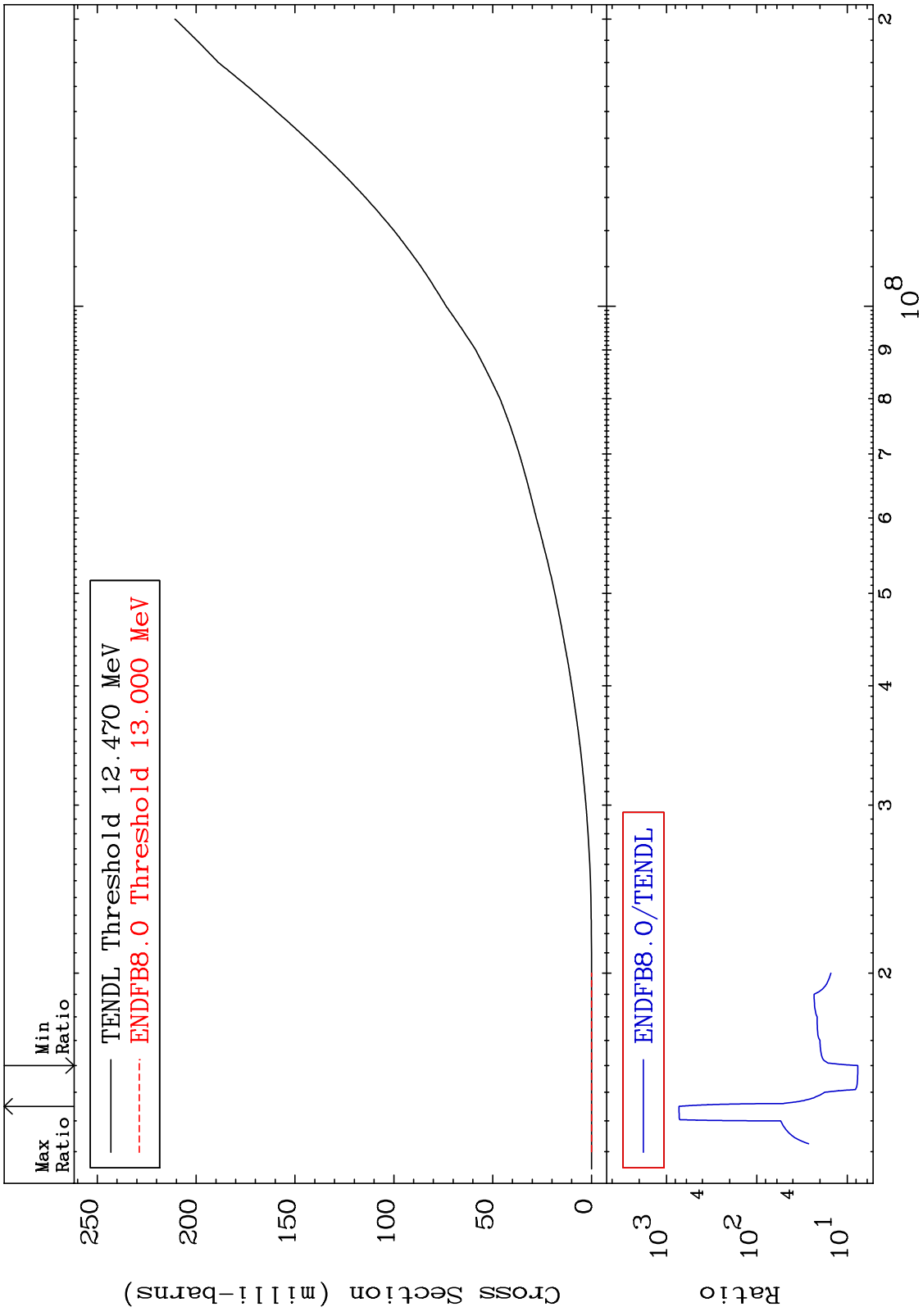
22-Ti-48

MAT 2231

Tritium Production
Cross Section

22-Ti-48
-37.98 To 9999. %

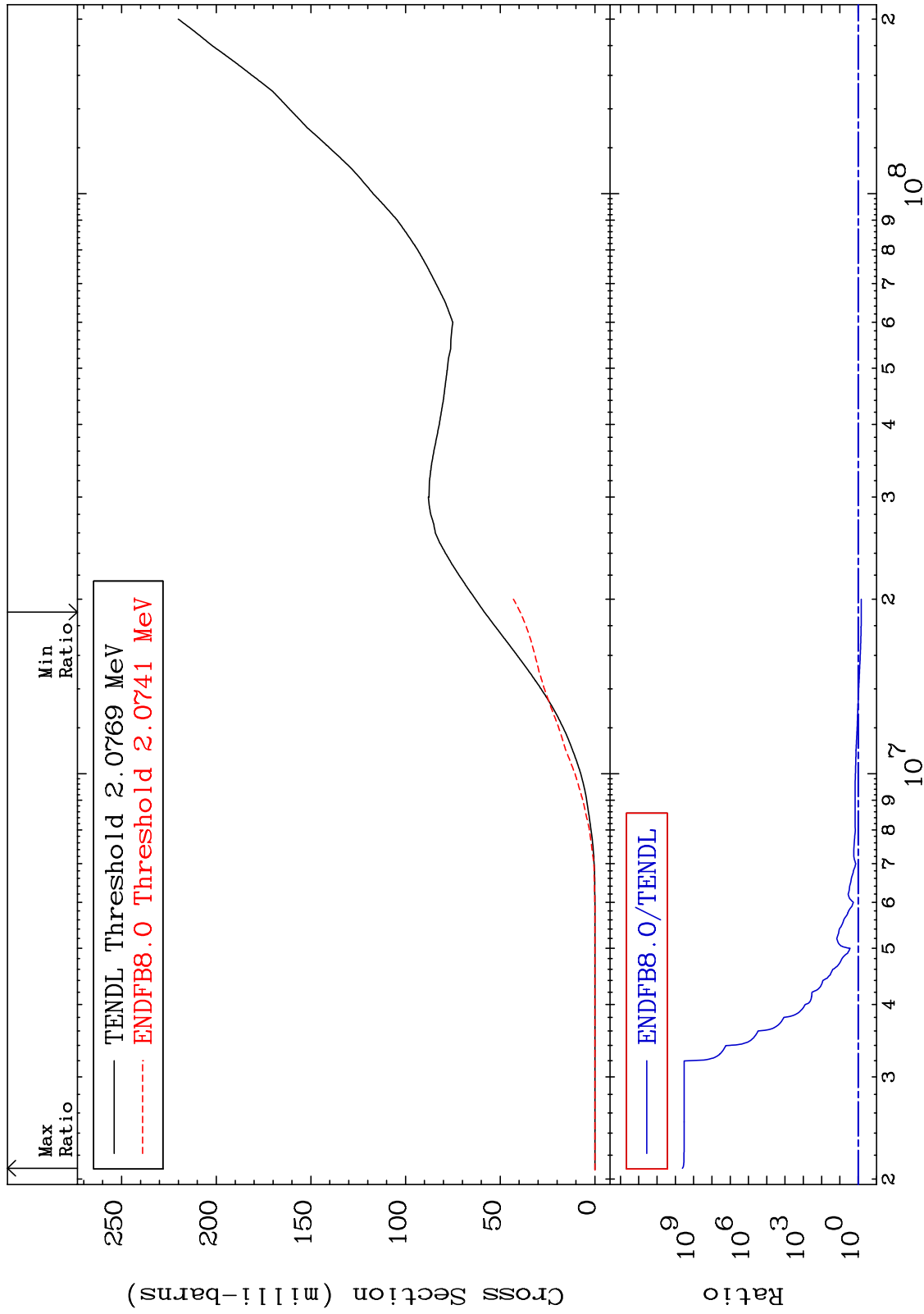




MAT 2231

He-4 Production
Cross Section

22-Ti-48
-32.44 To 9999. %

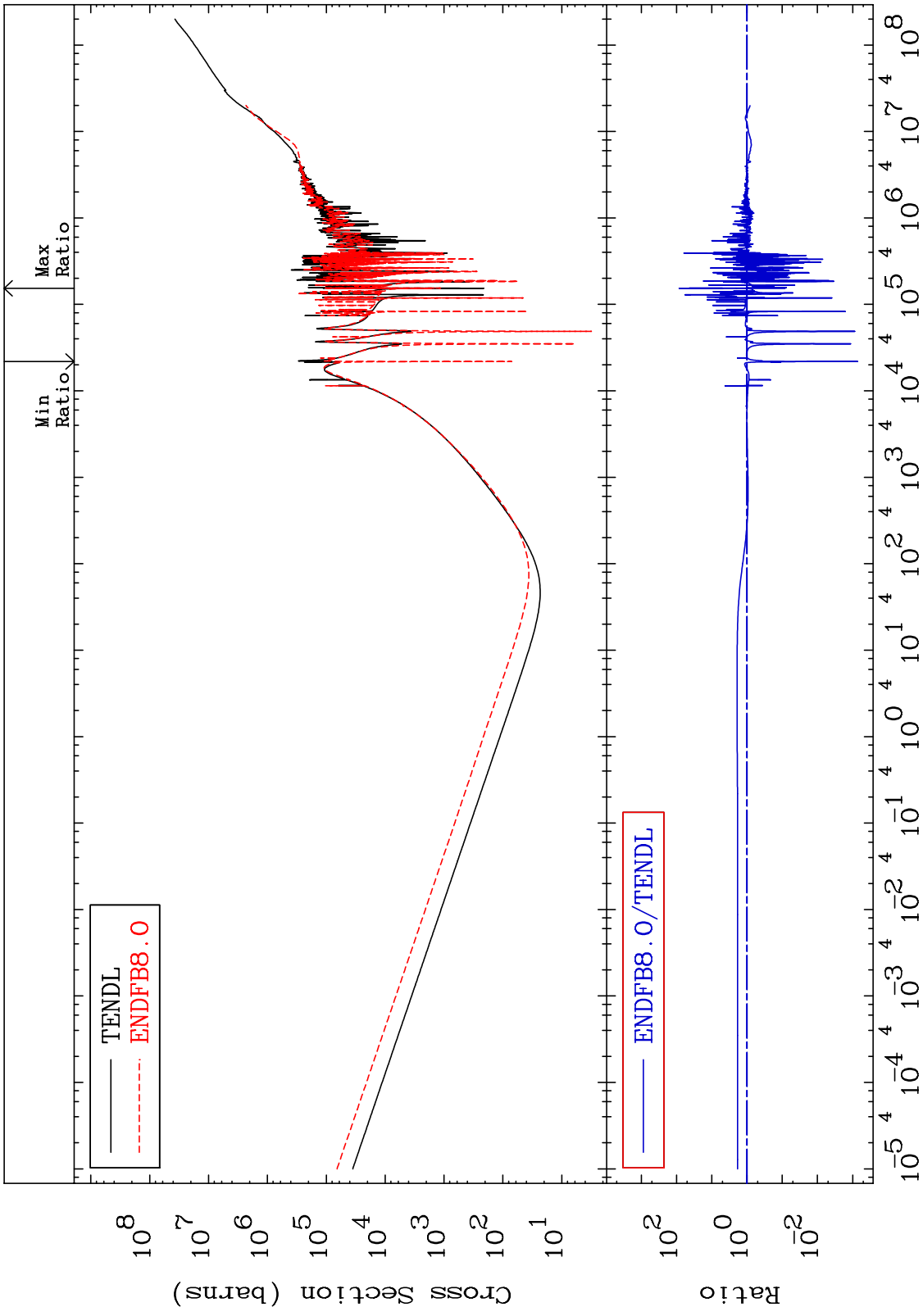


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Incident Energy (eV)

22-Ti-48

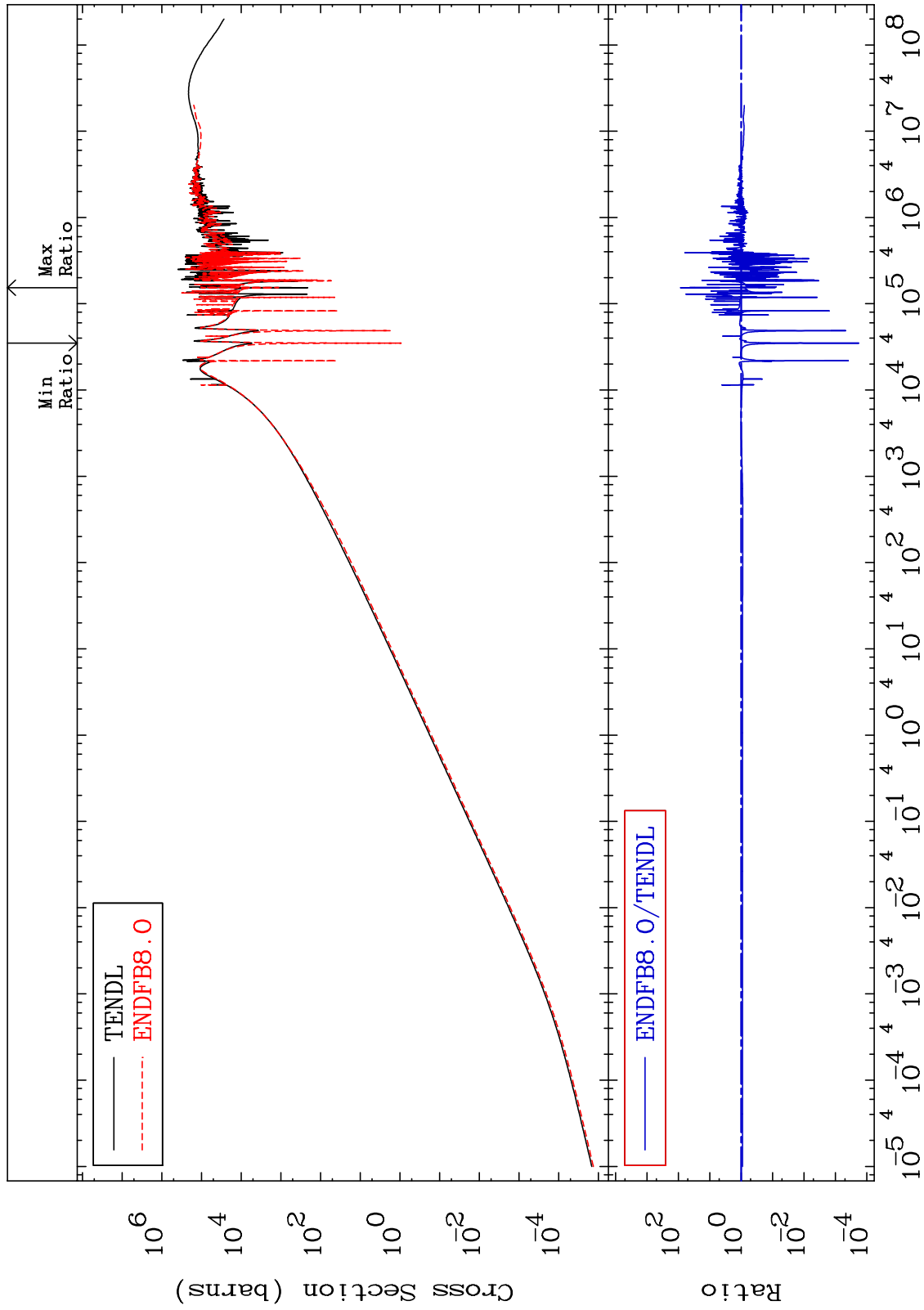
MAT 2231 Kerma total (eV-barns) 22-Ti-48
 Cross Section -99.93 To 8390. %



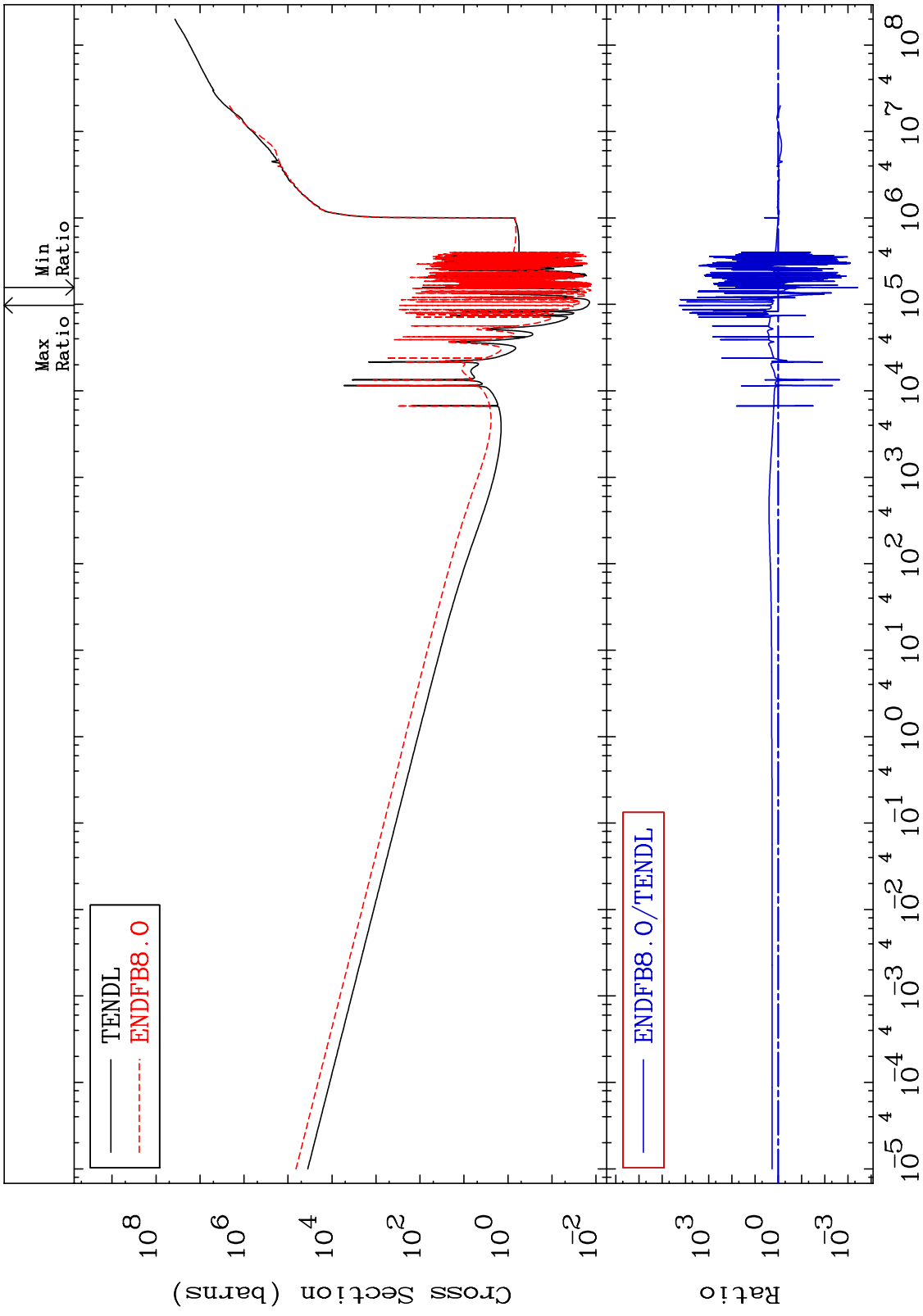
MAT 2231

Kerma elastic
Cross Section

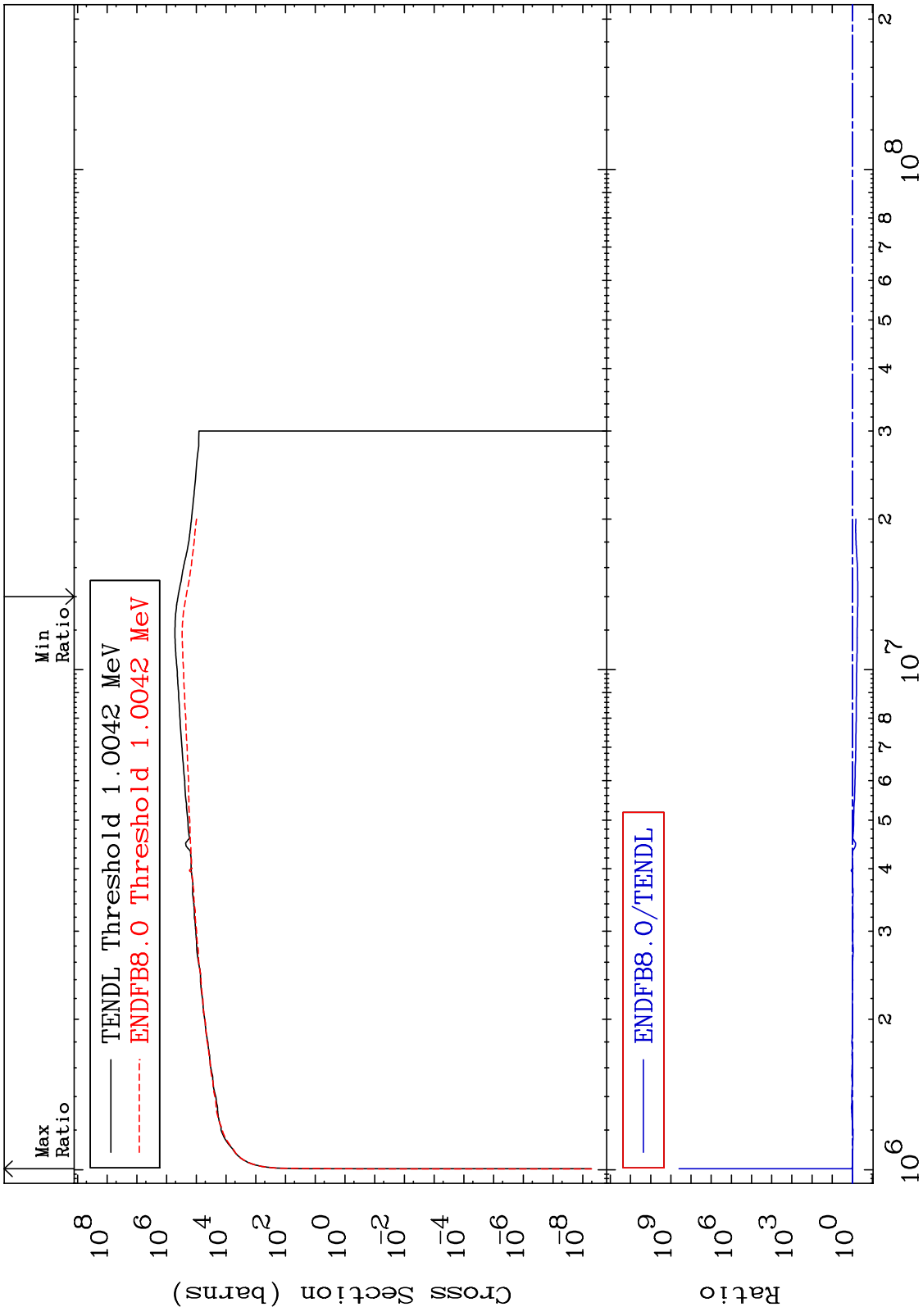
22-Ti-48
-99.98 To 8380. %



MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48
 Cross Section -99.96 To 9999. %



MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48
 -46.72 To 9999. %

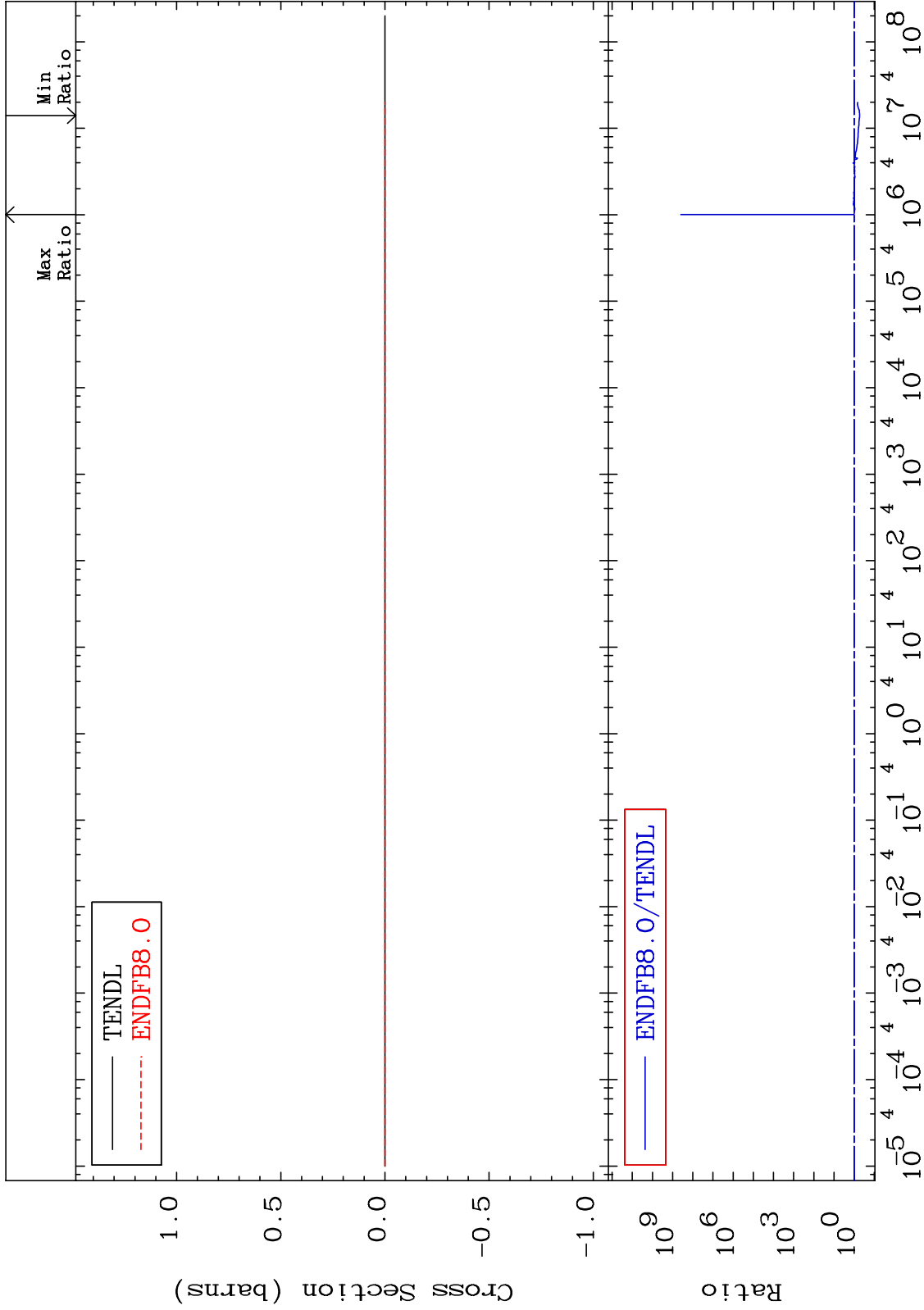


40 2 3 4 5 6 7 8 10⁶ 10⁷ 10⁸ 2 22-Ti-48

MAT 2231

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

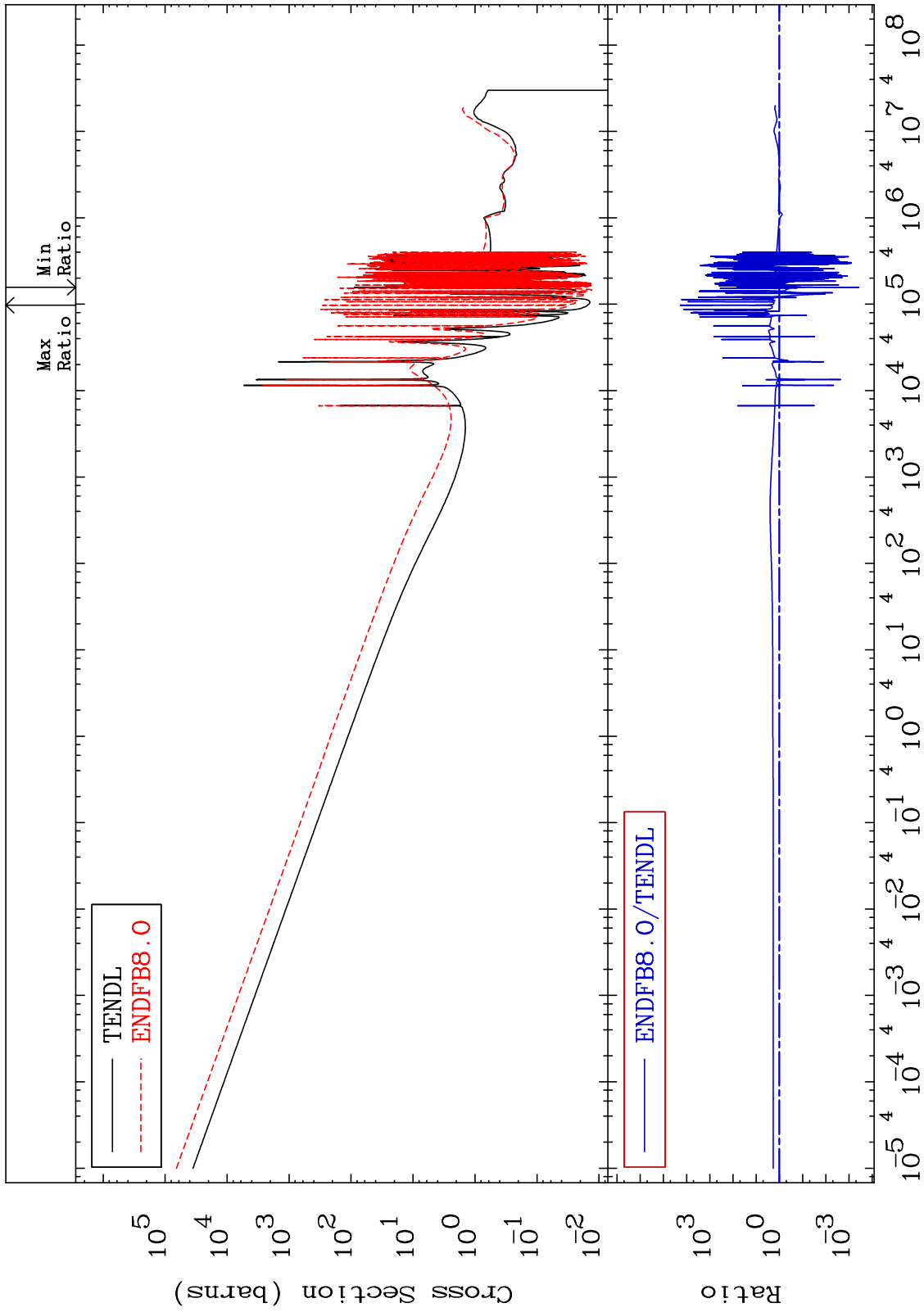
22-Ti-48
-46.72 To 9999. %



MAT 2231

Kerma capture (mt102)
Cross Section

22-Ti-48
-99.96 To 9999. %



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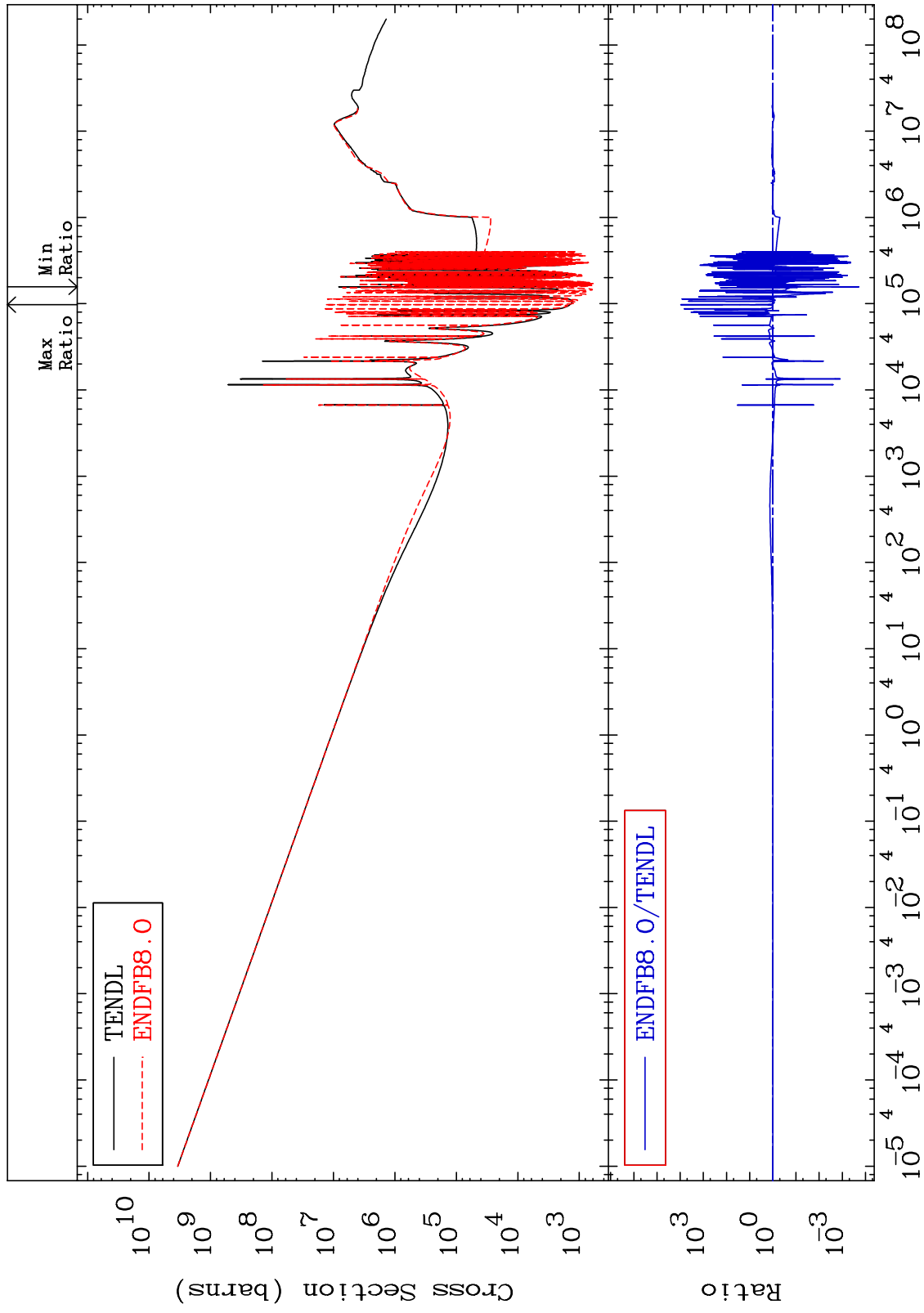
Incident Energy (eV)

22-Ti-48

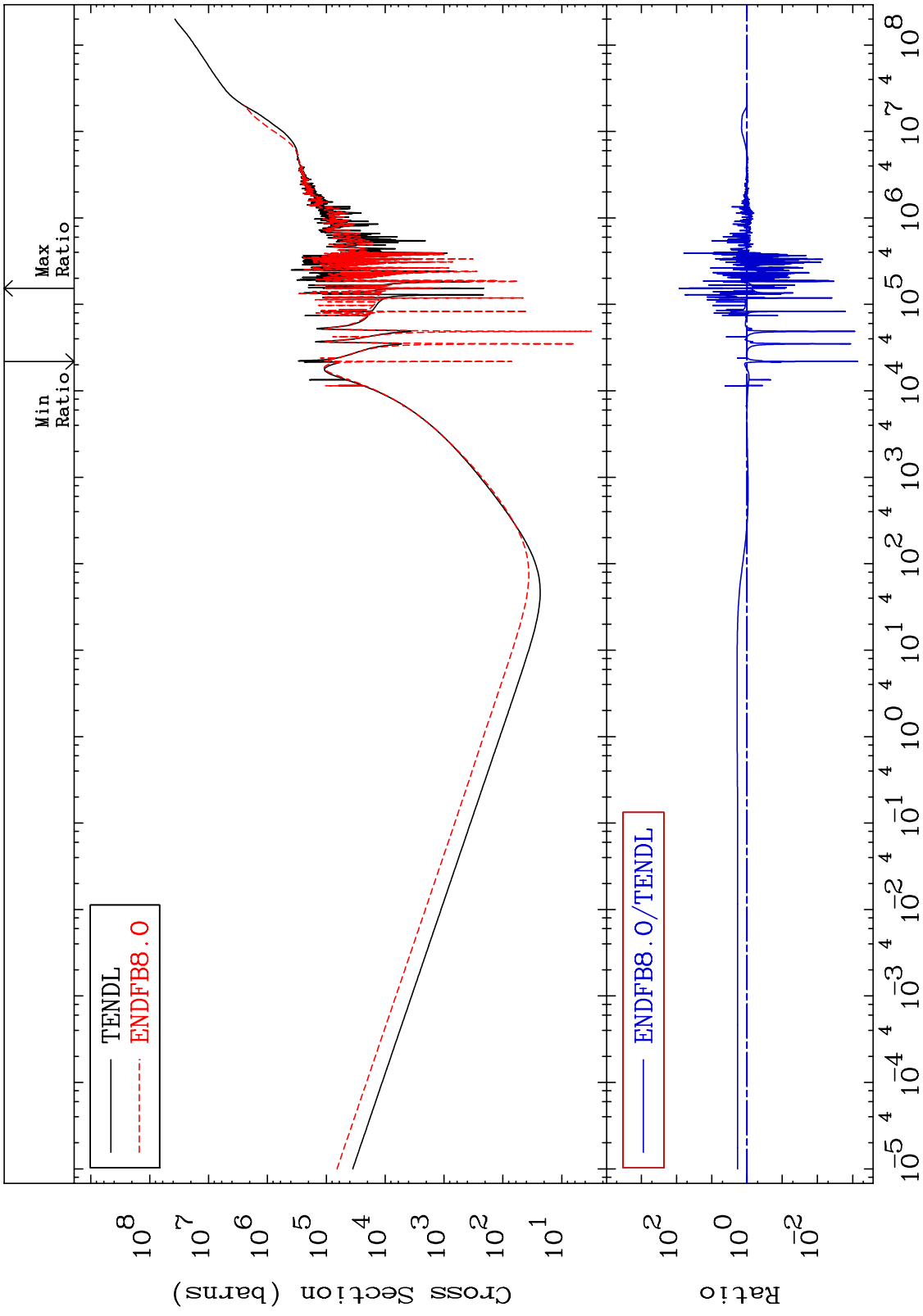
MAT 2231

Total photon (eV-barns)
Cross Section

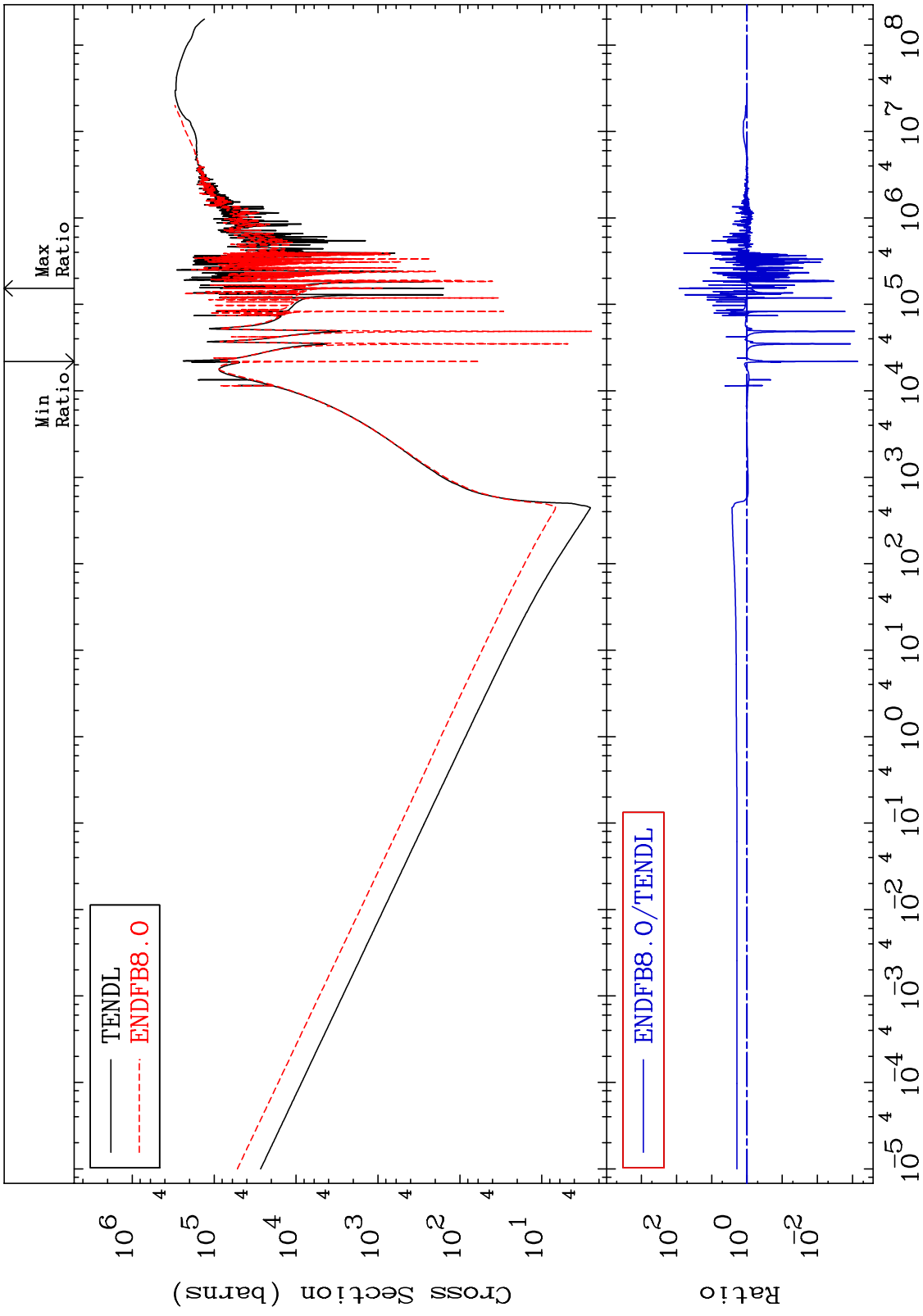
22-Ti-48
-99.98 To 9999. %



MAT 2231 Total kinematic kerma (high limit) 22-Ti-48
 Cross Section -99.93 To 8390. %



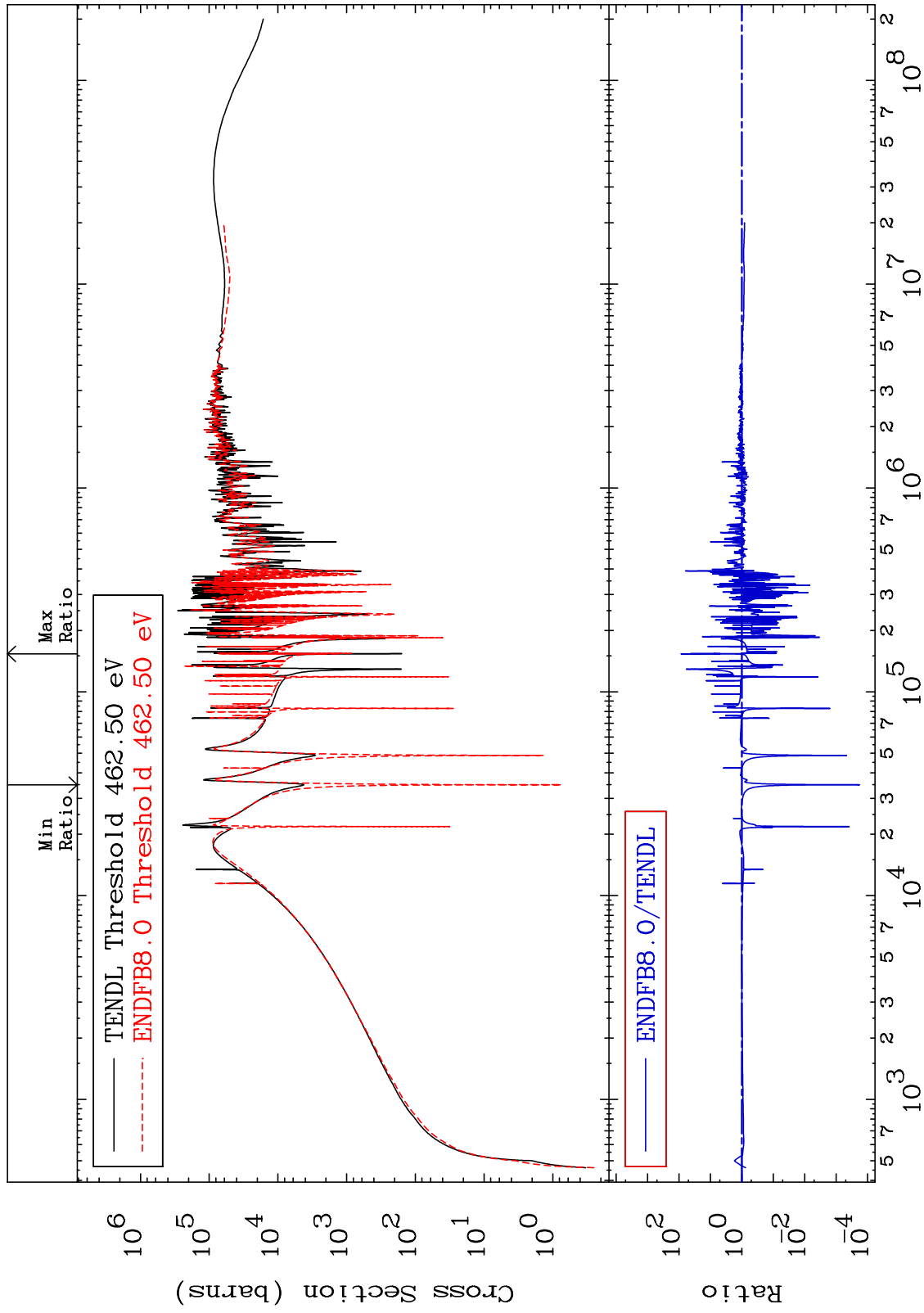
MAT 2231 Dpa total (eV-barns) 22-Ti-48
 Cross Section -99.93 To 8396. %



MAT 2231

Dpa elastic (mt2)
Cross Section

22-Ti-48
-99.98 To 8385. %

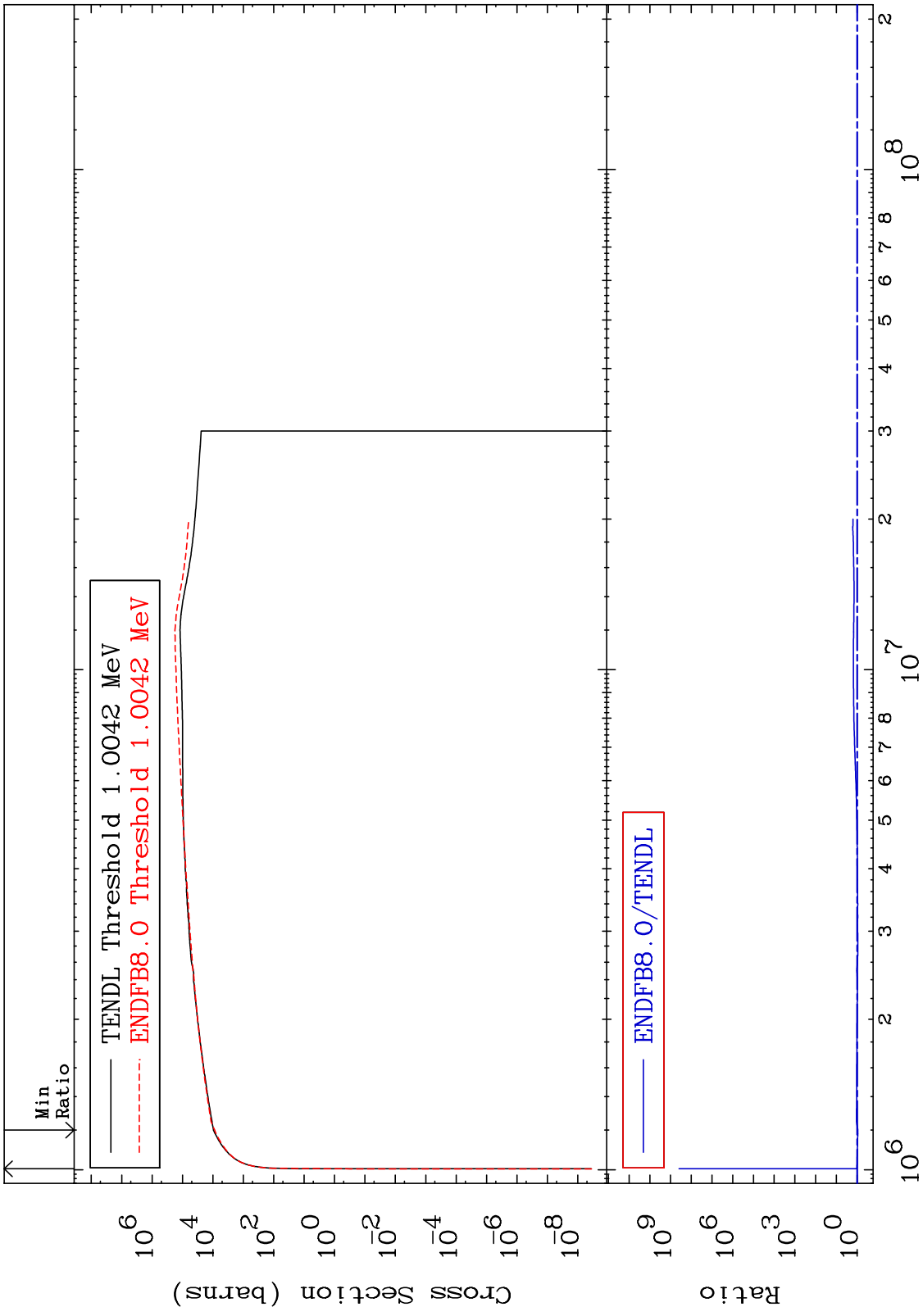


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Incident Energy (eV)

22-Ti-48

MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48
 Cross Section -8.283 To 9999. %



MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48
Cross Section -99.96 To 9999. %

