

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

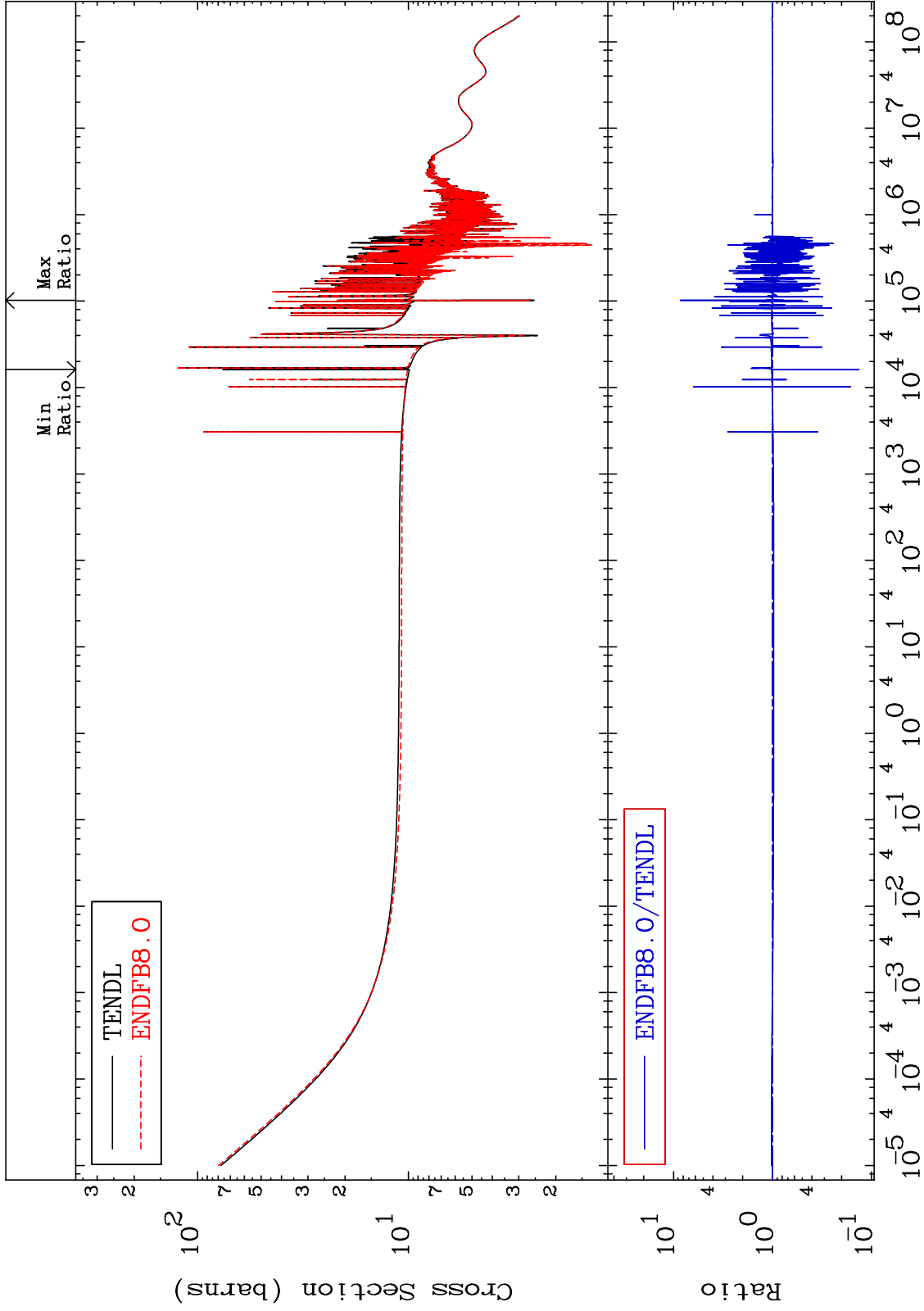
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8234

Total
Cross Section

82-Pb-207
-86.60 To 755.9 %



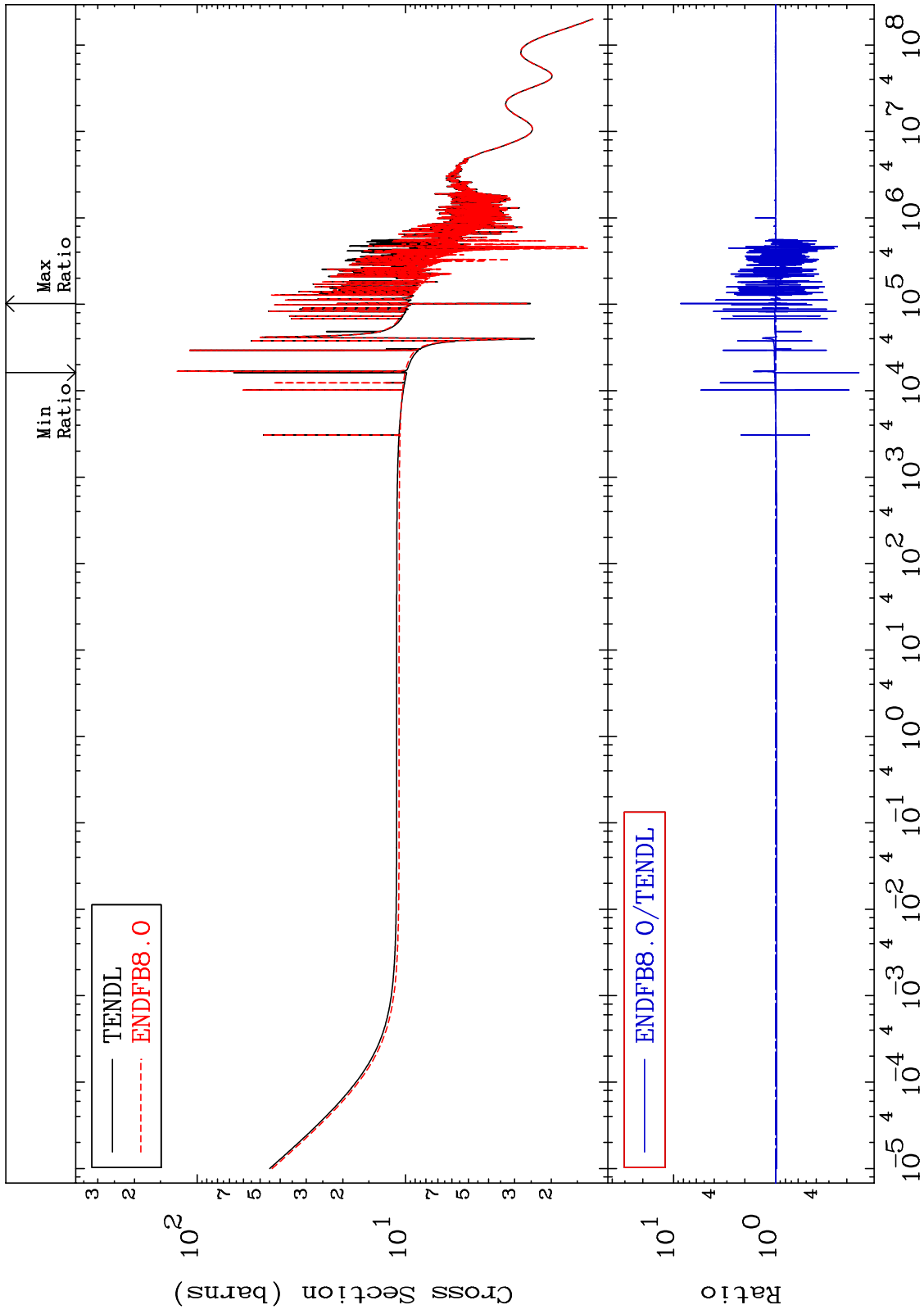
Incident Energy (eV)

82-Pb-207

MAT 8234

Elastic
Cross Section

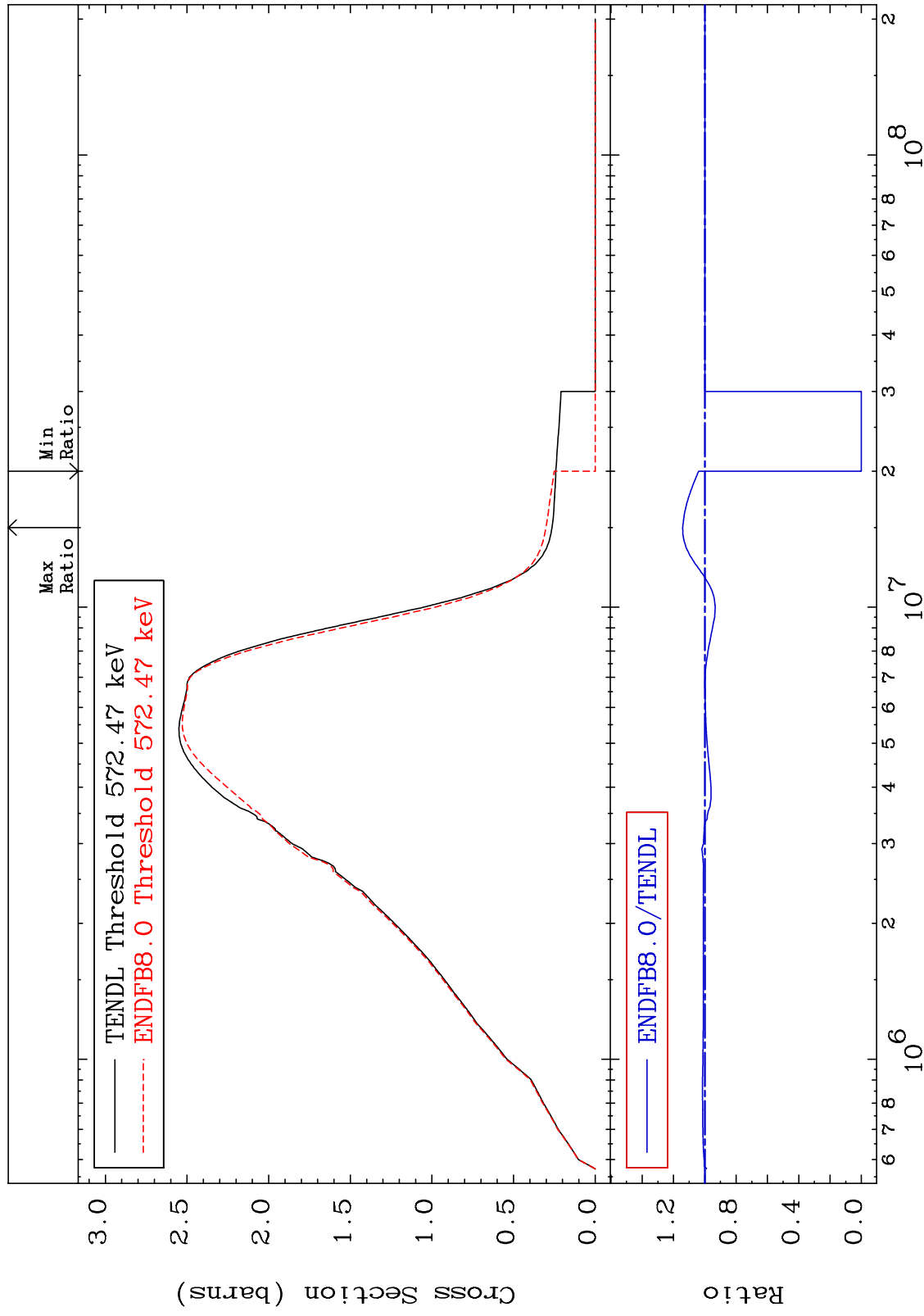
82-Pb-207
-84.76 To 760.9 %



MAT 8234

Inelastic
Cross Section

82-Pb-207
-100.0 To 14.14 %



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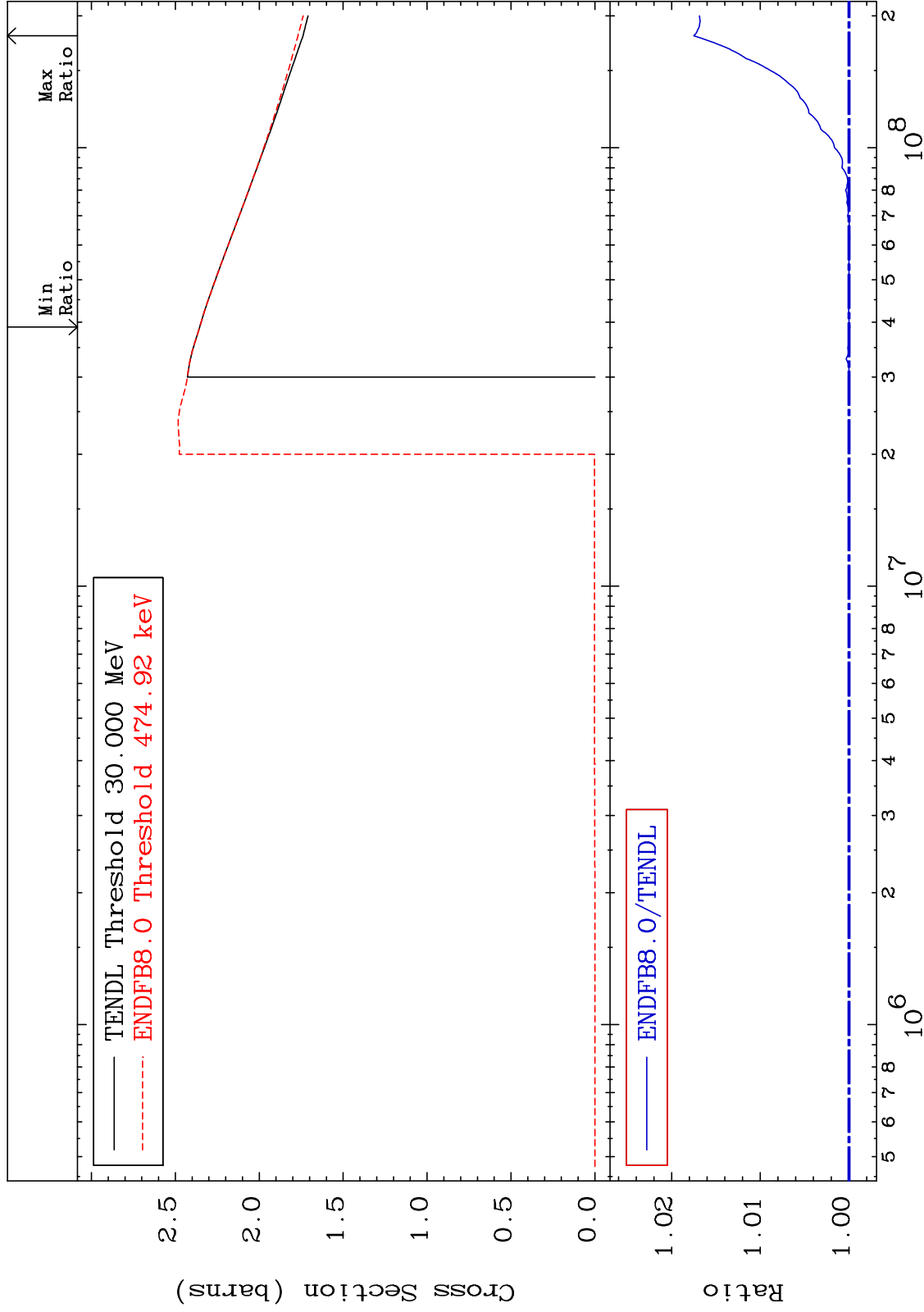
Incident Energy (eV)

82-Pb-207

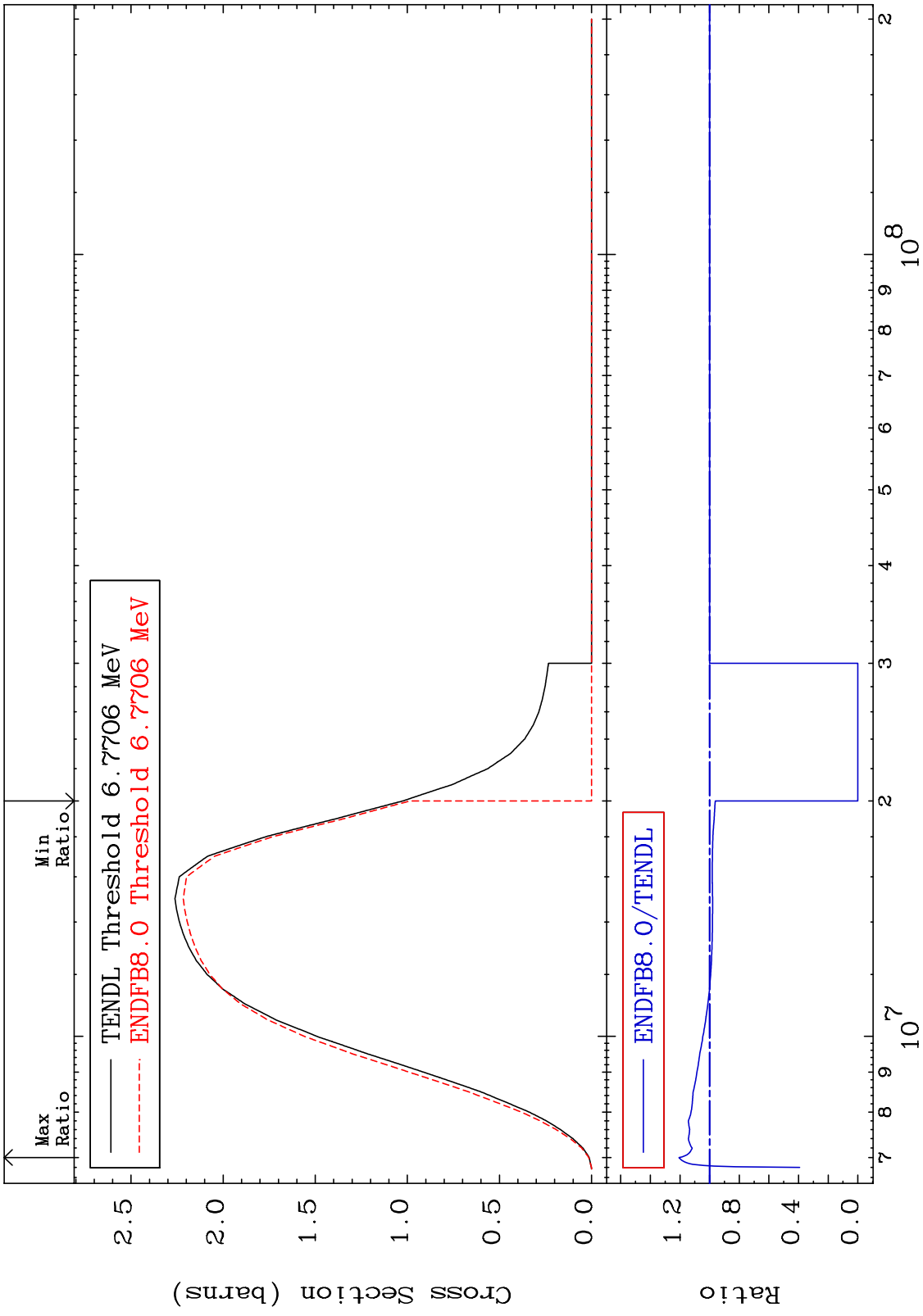
MAT 8234

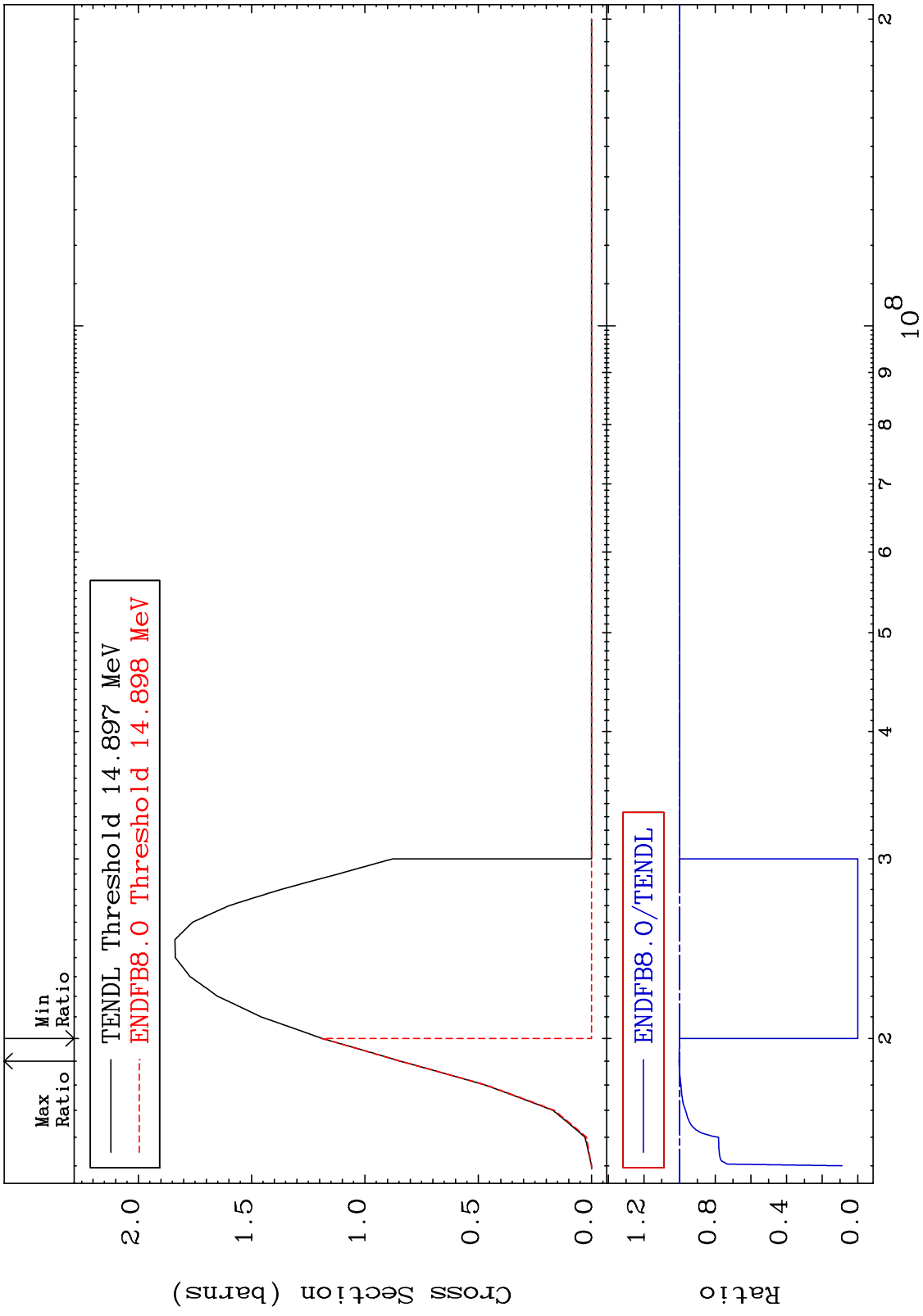
(n, remainder)
Cross Section

82-Pb-207
-0.011 To 1.750 %



MAT 8234 (n,2n) Cross Section 82-Pb-207 -100.0 To 20.64 %





MAT 8234

(n, n') α

82-Pb-207

-100.0 To 9999. %

Cross Section

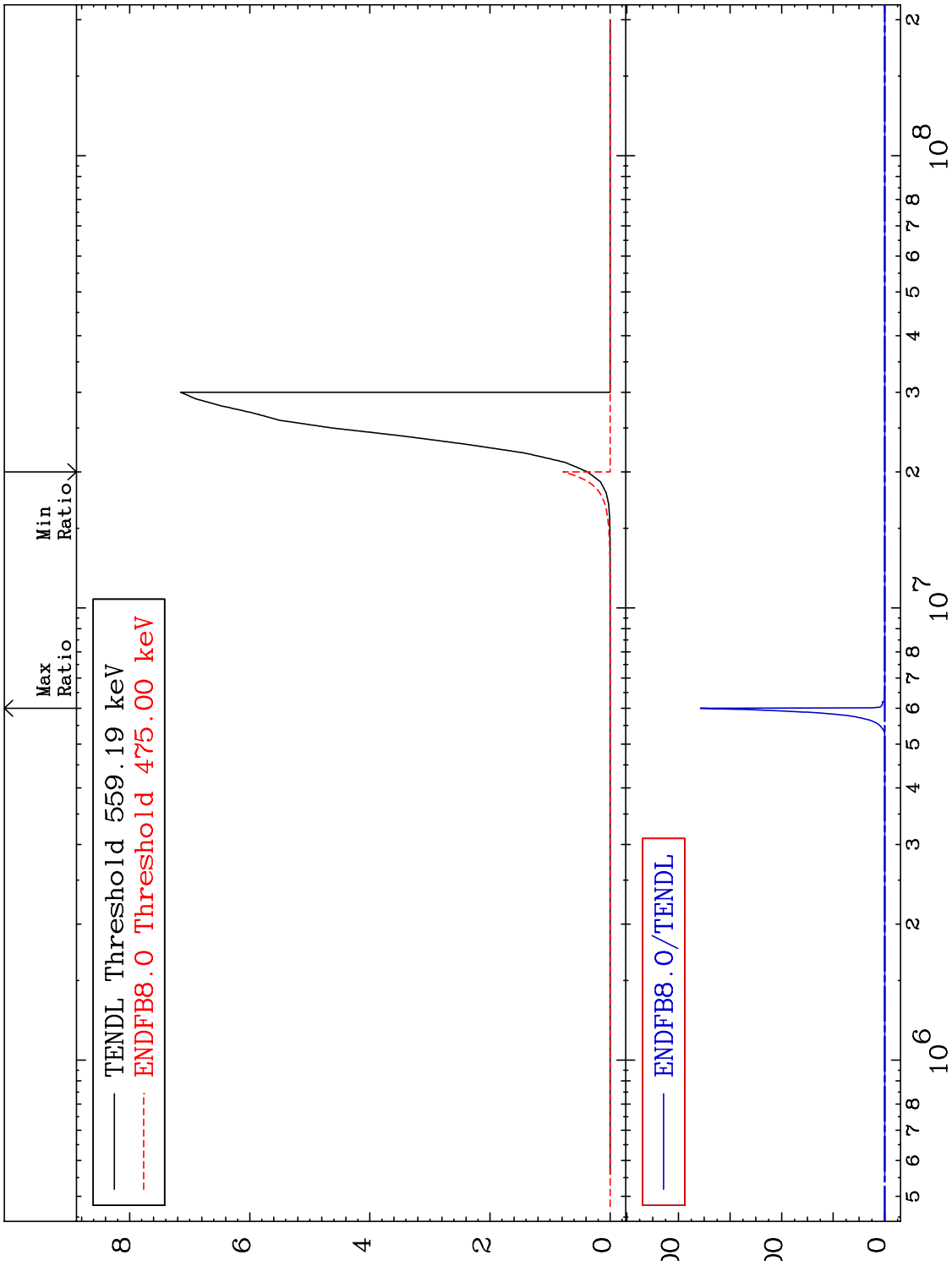
Max Ratio Min Ratio

— TENDL Threshold 559.19 keV
- - - ENDFB8.0 Threshold 475.00 keV

Cross Section (milli-barns)

— ENDFB8.0/TENDL

Ratio

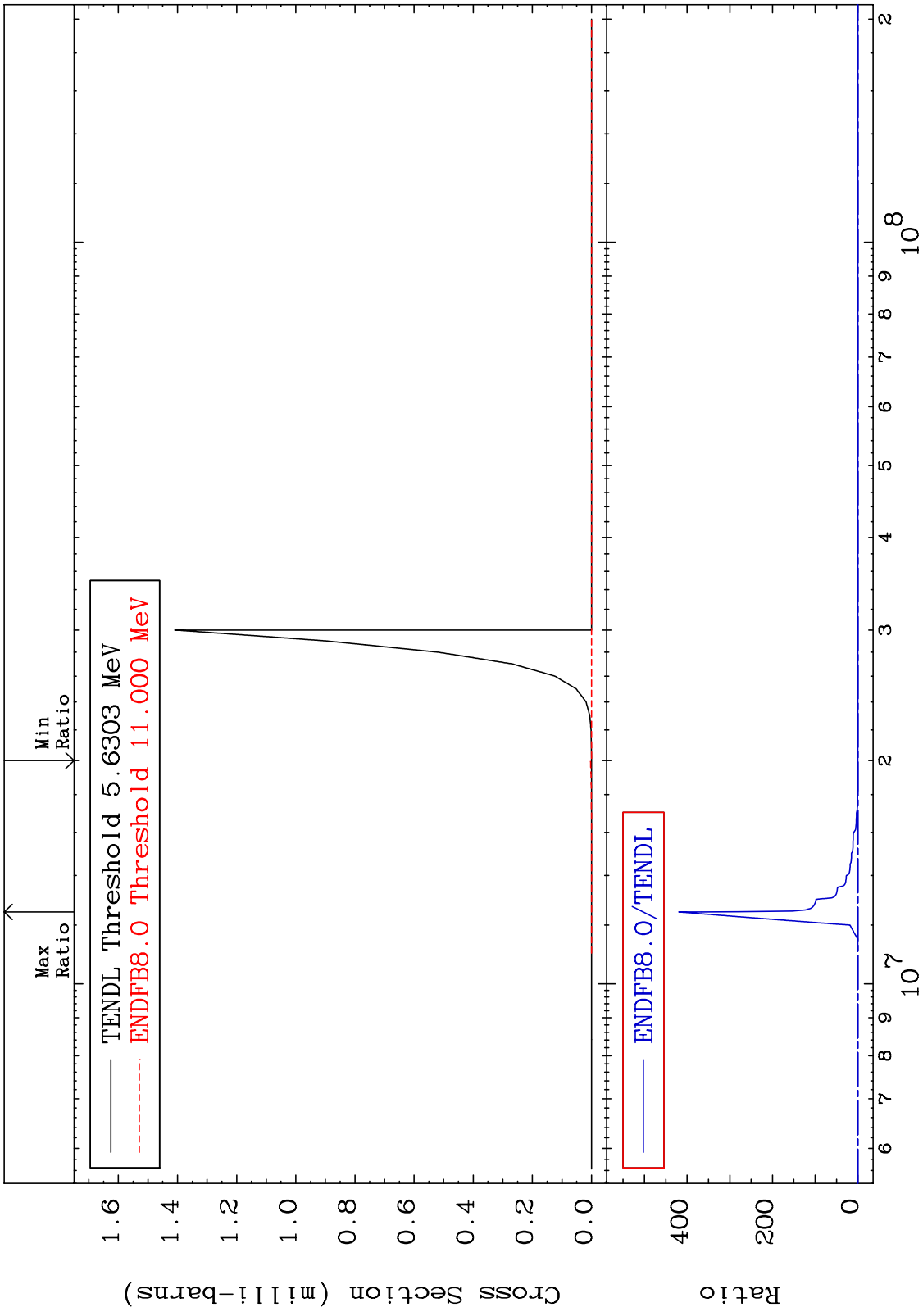


7

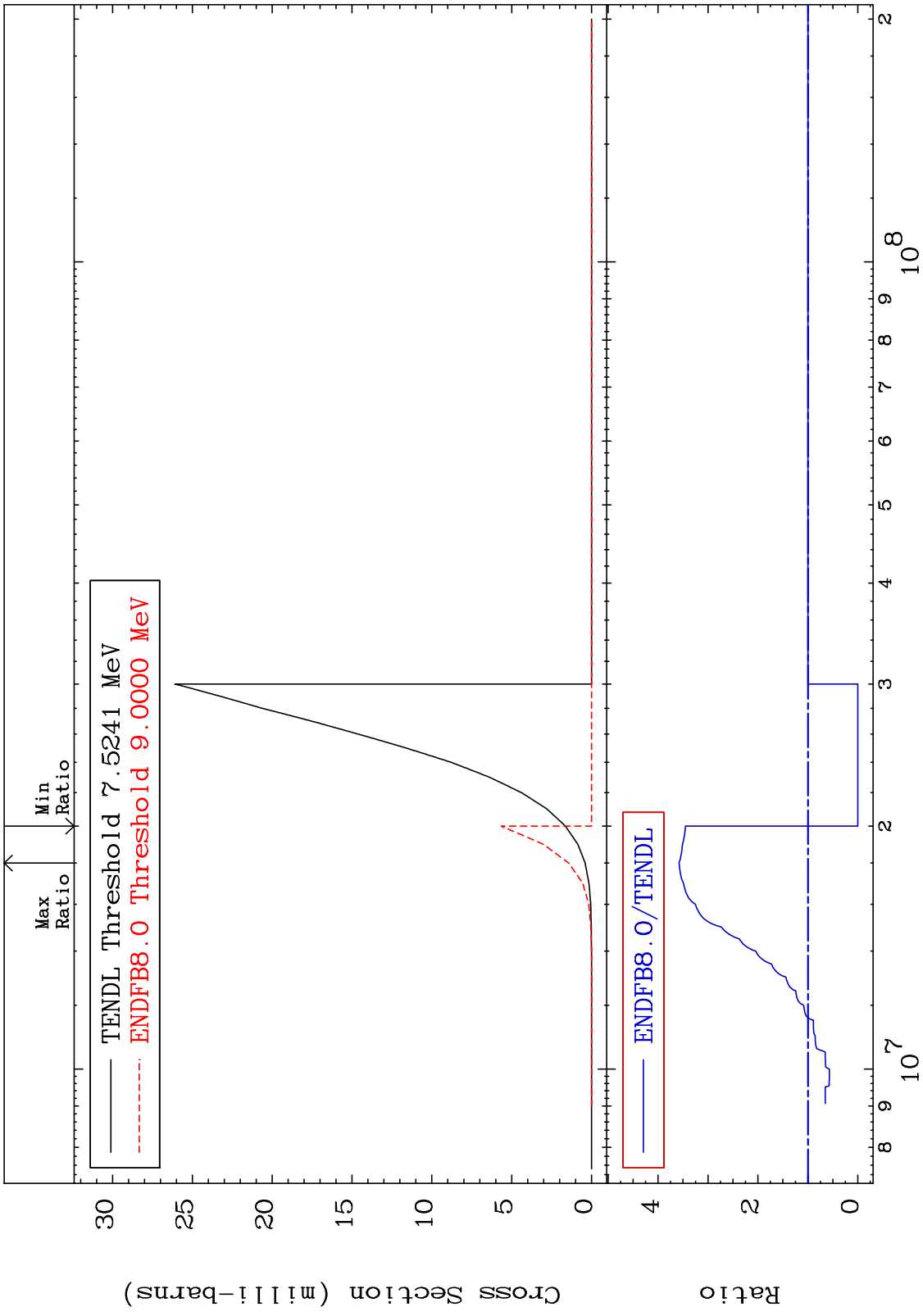
Incident Energy (eV)

82-Pb-207

MAT 8234 (n,2n) α 82-Pb-207
 Cross Section -100.0 To 9999. %

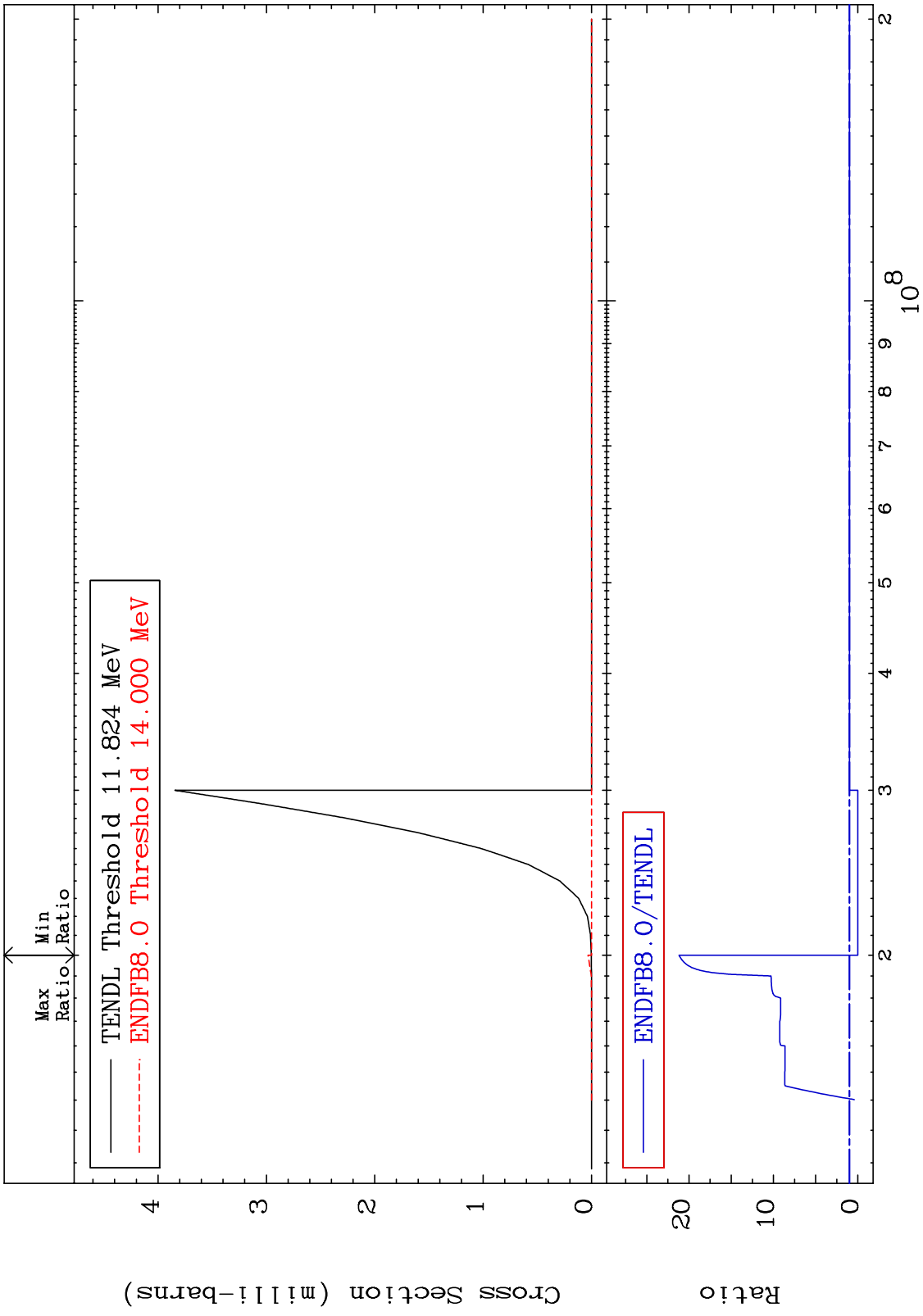


MAT 8234 (n,n') p 82-Pb-207
 Cross Section -100.0 To 257.9 %



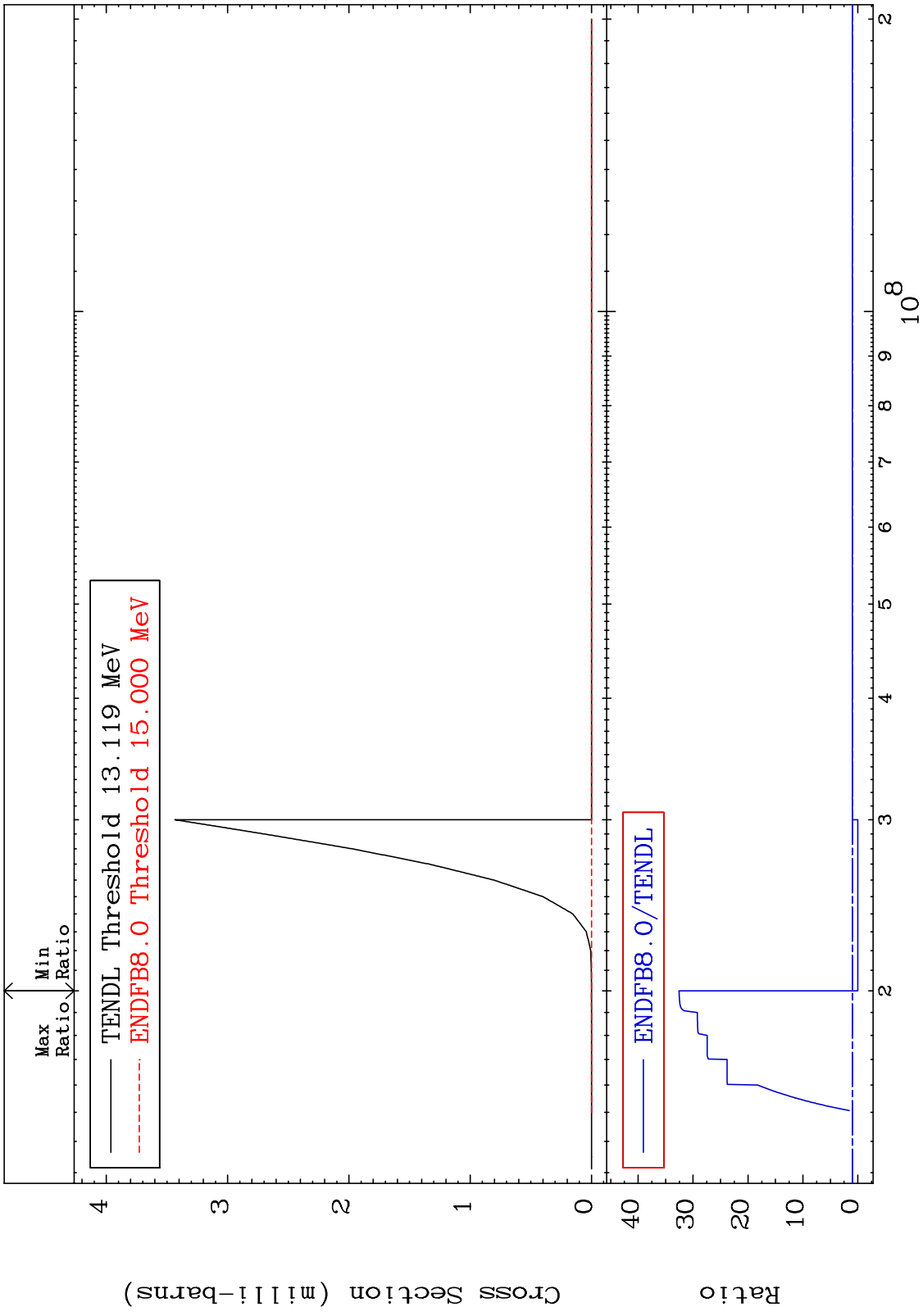
9 Incident Energy (eV) 82-Pb-207

MAT 8234 (n,n') d 82-Pb-207
 Cross Section -100.0 To 2018. %

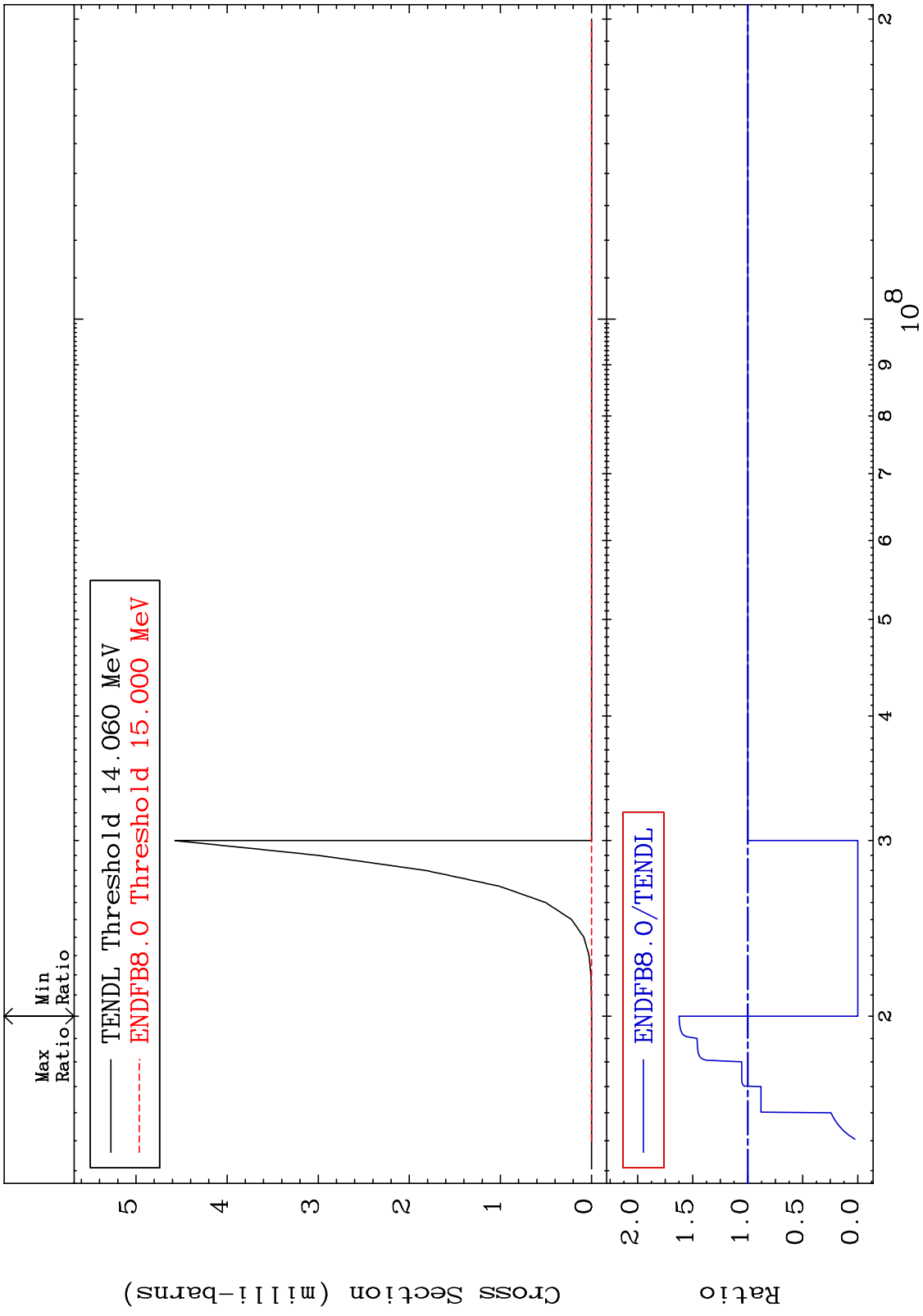


10 Incident Energy (eV) 82-Pb-207

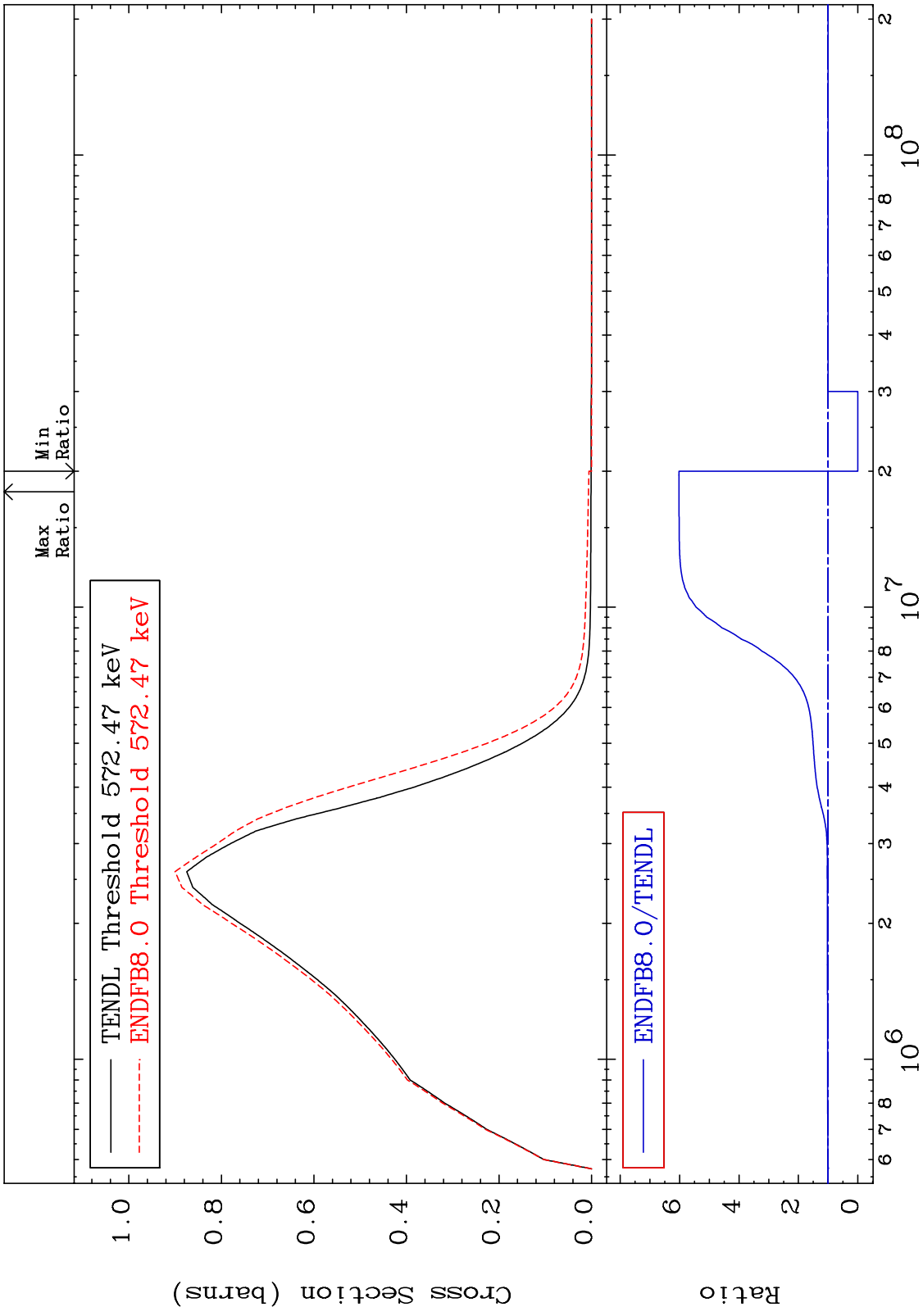
MAT 8234 (n,n') t 82-Pb-207
 Cross Section -100.0 To 3155. %



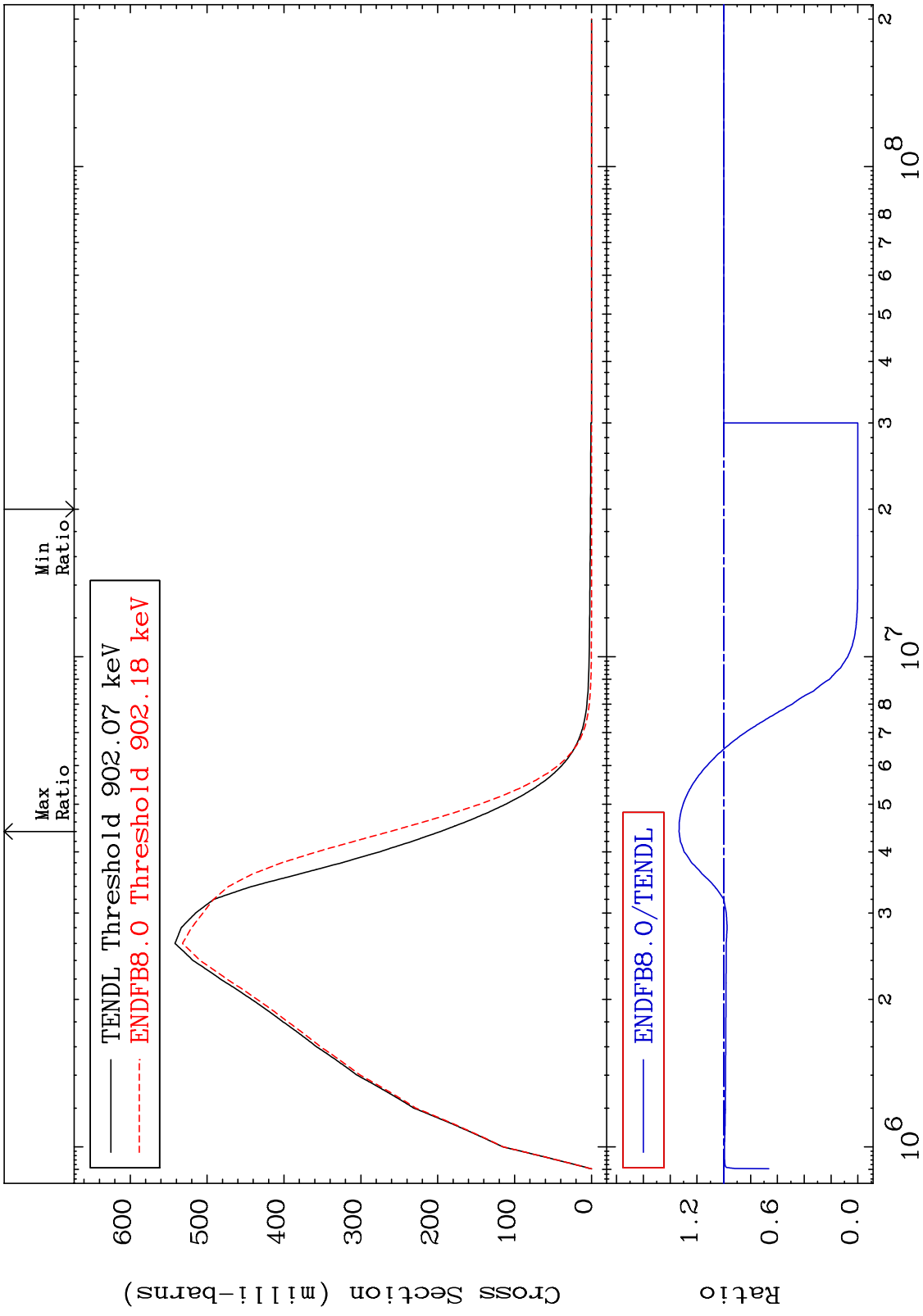
MAT 8234 (n,2n) p 82-Pb-207
 Cross Section -100.0 To 62.46 %



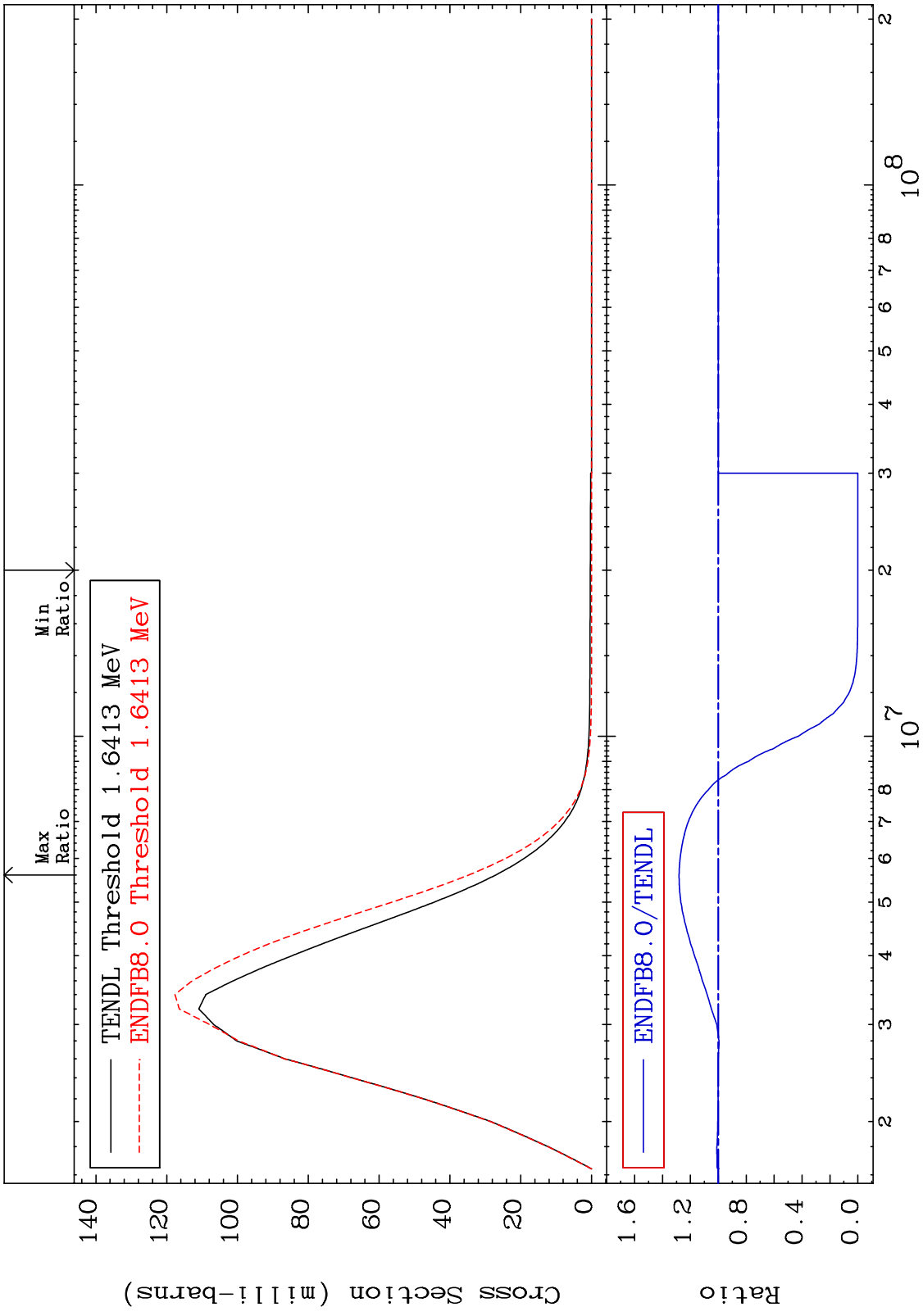
MAT 8234 MT= 51 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 501.9 %



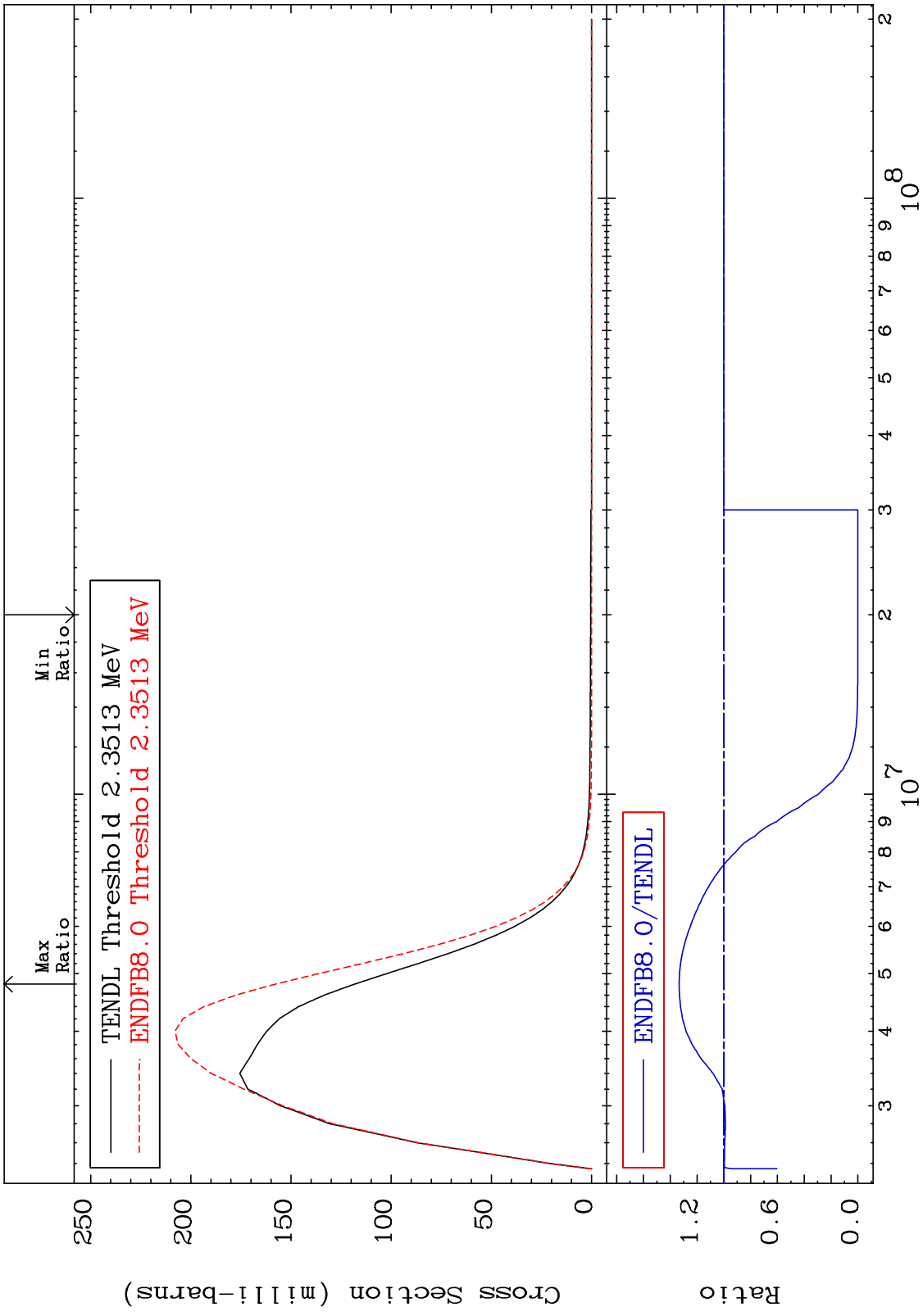
MAT 8234 MT= 52 (n,n') Level Cross Section 82-Pb-207 -100.0 To 33.36 %



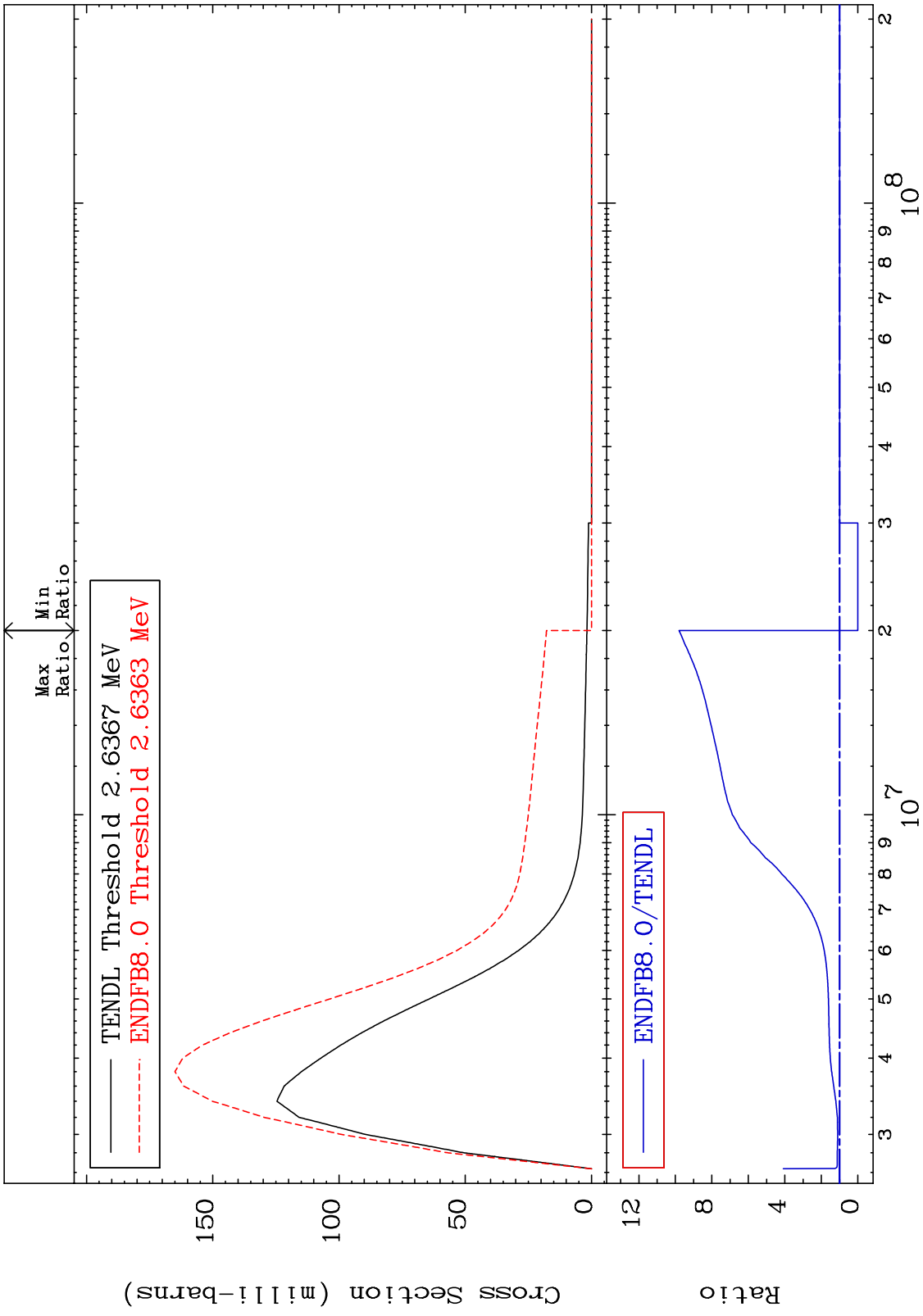
MAT 8234 MT= 53 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 28.16 %



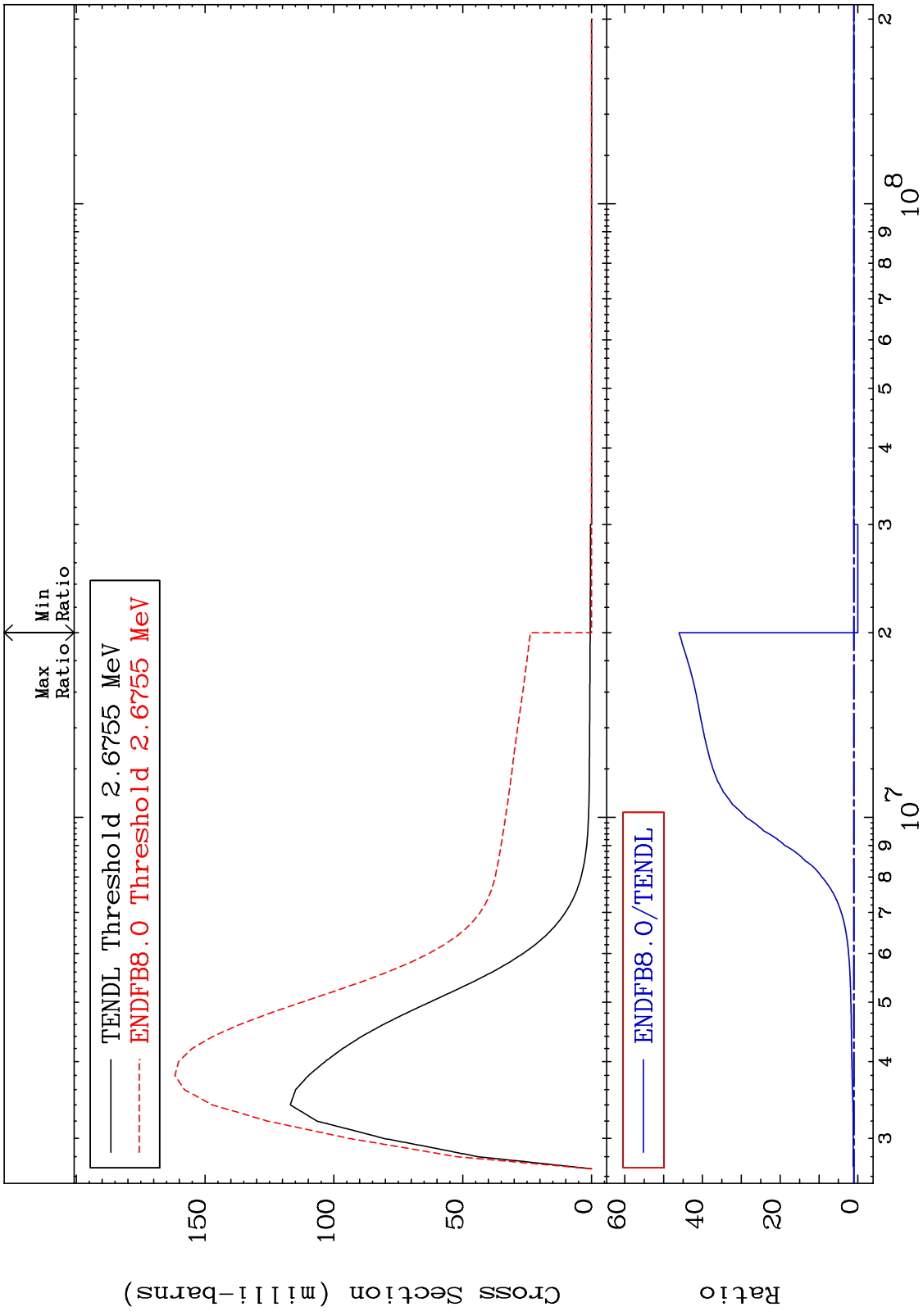
MAT 8234 MT= 54 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 33.42 %



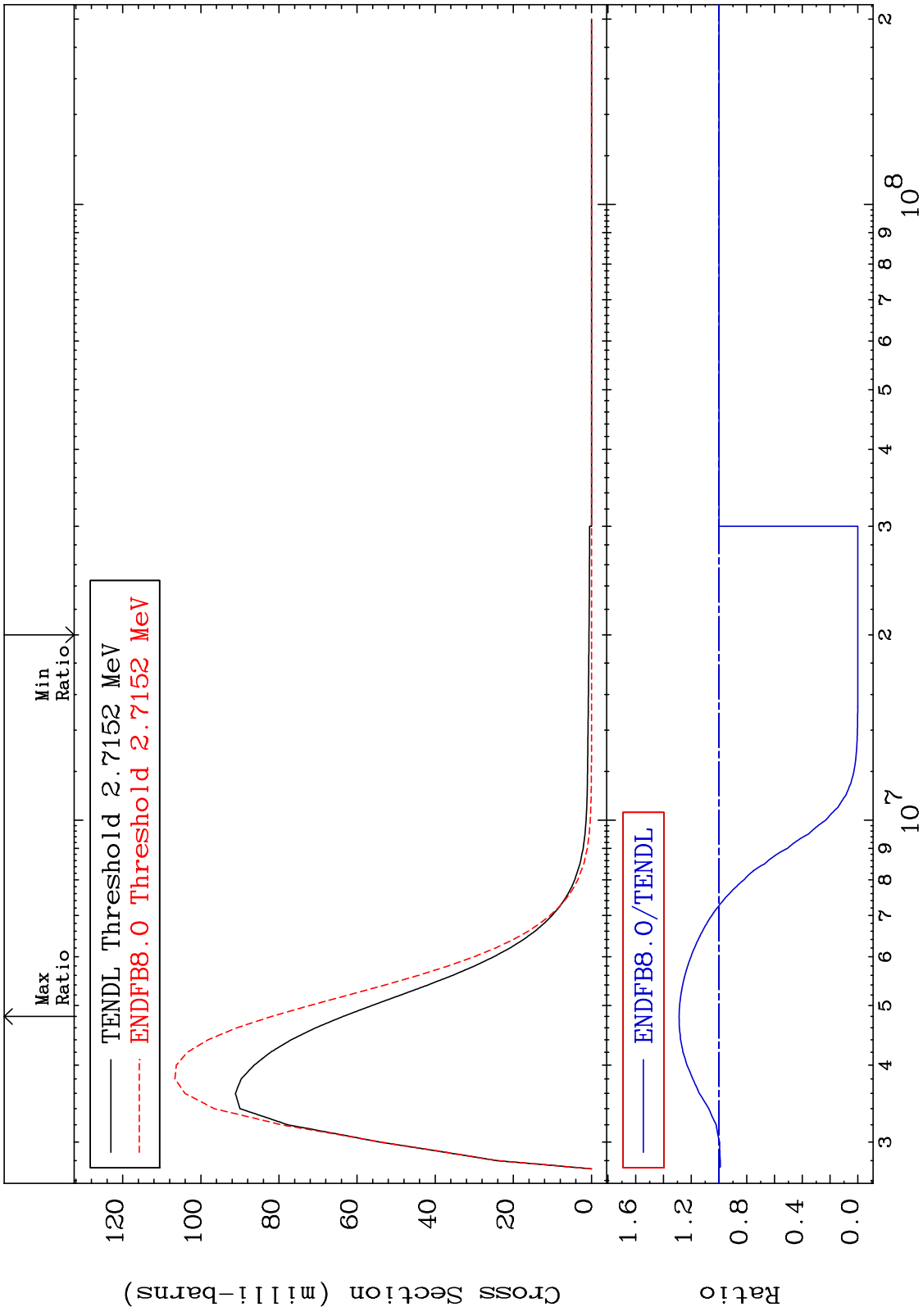
MAT 8234 MT= 55 (n,n') Level Cross Section -100.0 To 879.8 % 82-Pb-207



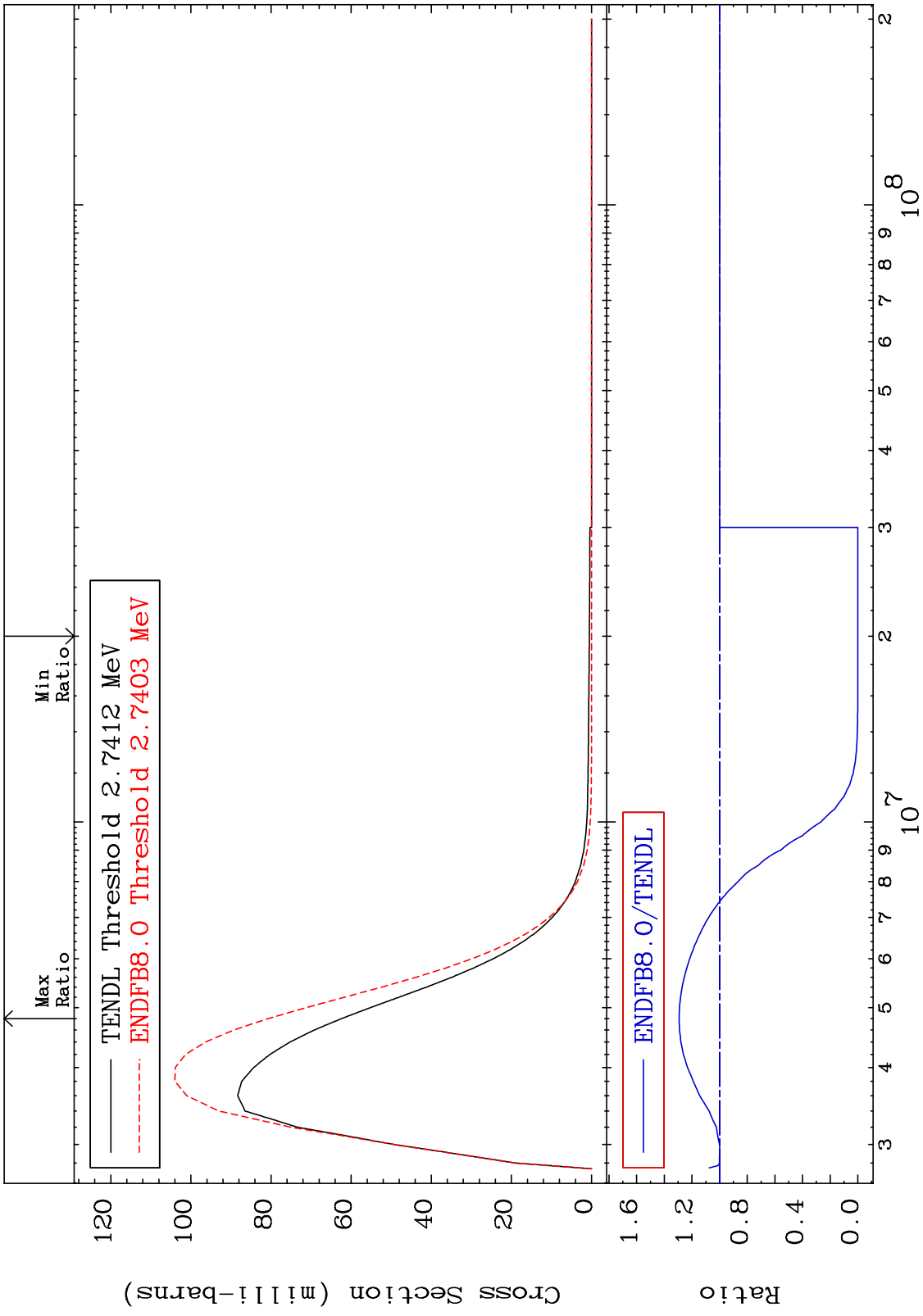
MAT 8234 MT= 56 (n,n') Level Cross Section -100.0 To 4503. % 82-Pb-207



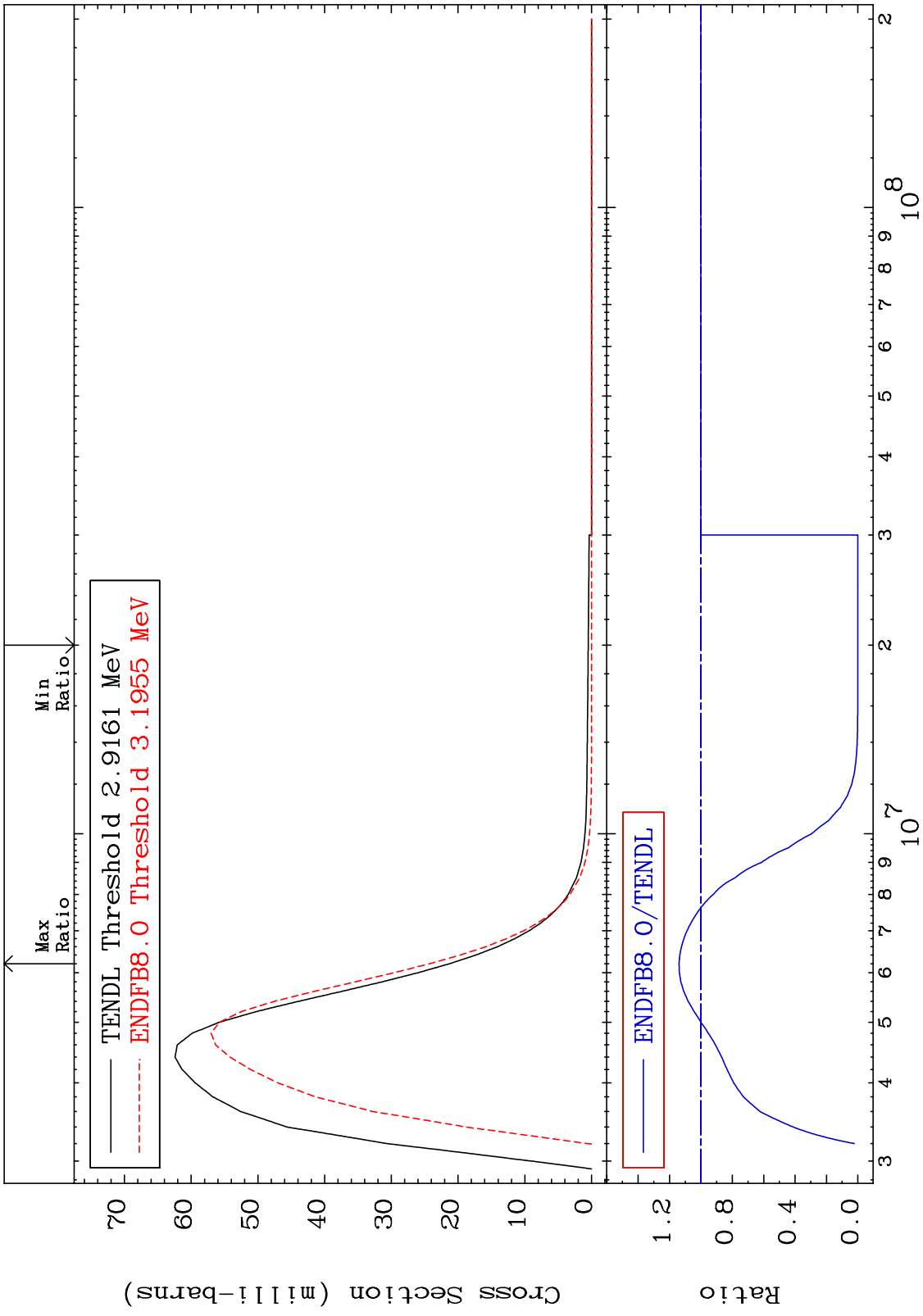
MAT 8234 MT= 57 (n,n') Level Cross Section -100.0 To 28.79 % 82-Pb-207



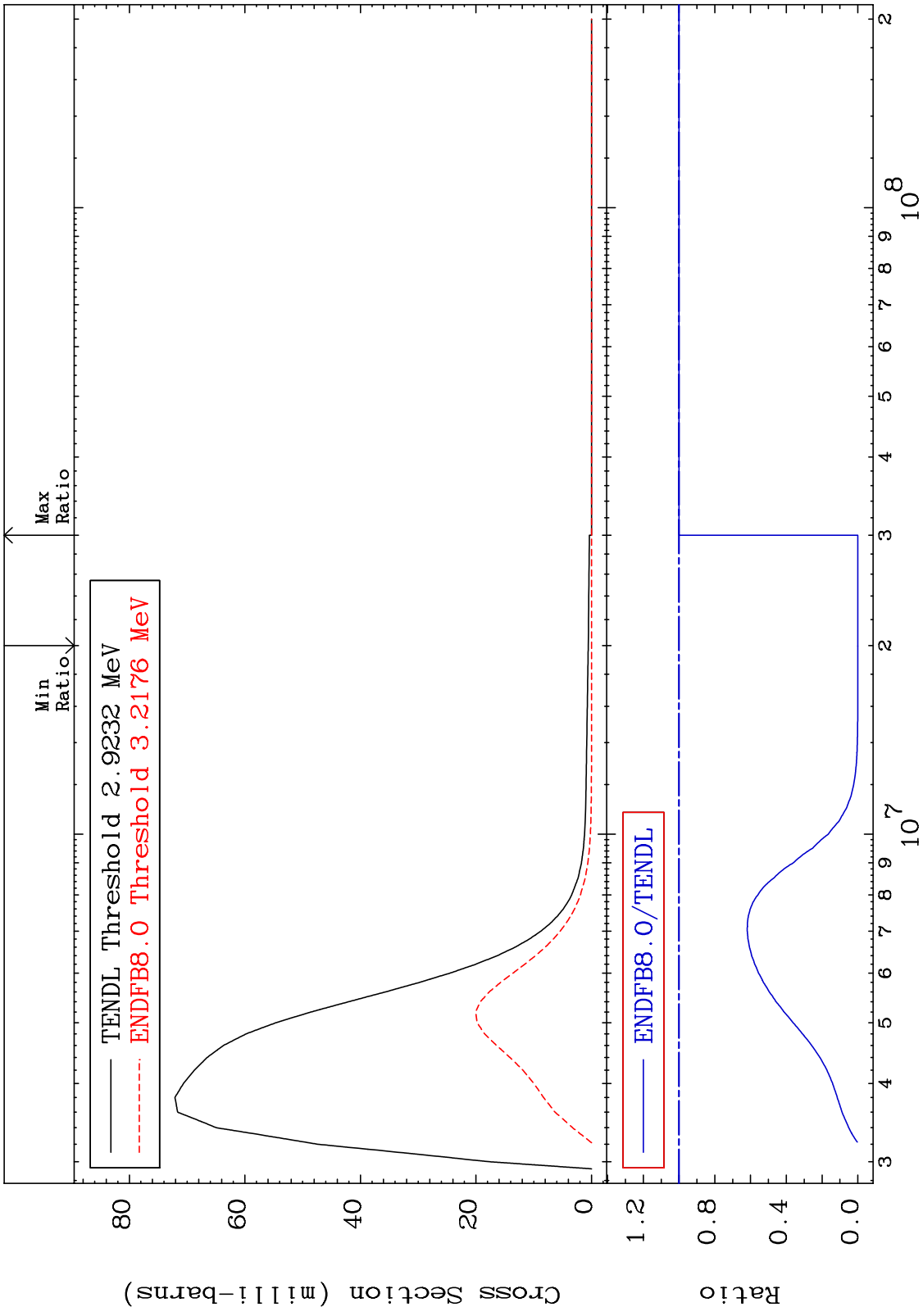
MAT 8234 MT= 58 (n,n') Level Cross Section -100.0 To 29.33 % 82-Pb-207



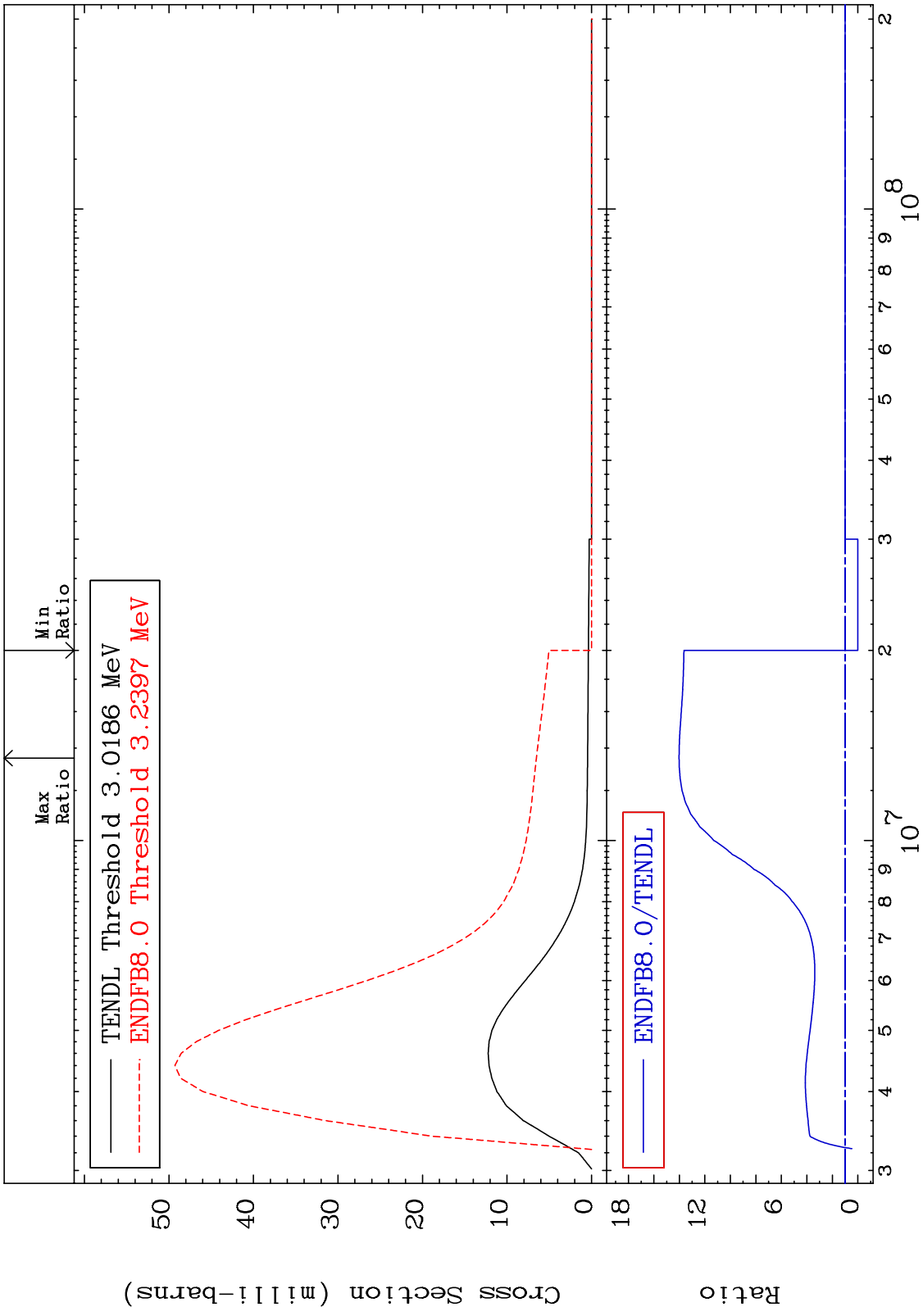
MAT 8234 MT= 59 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 13.94 %



MAT 8234 MT= 60 (n,n') Level Cross Section 82-Pb-207 -100.0 To 0.000 %

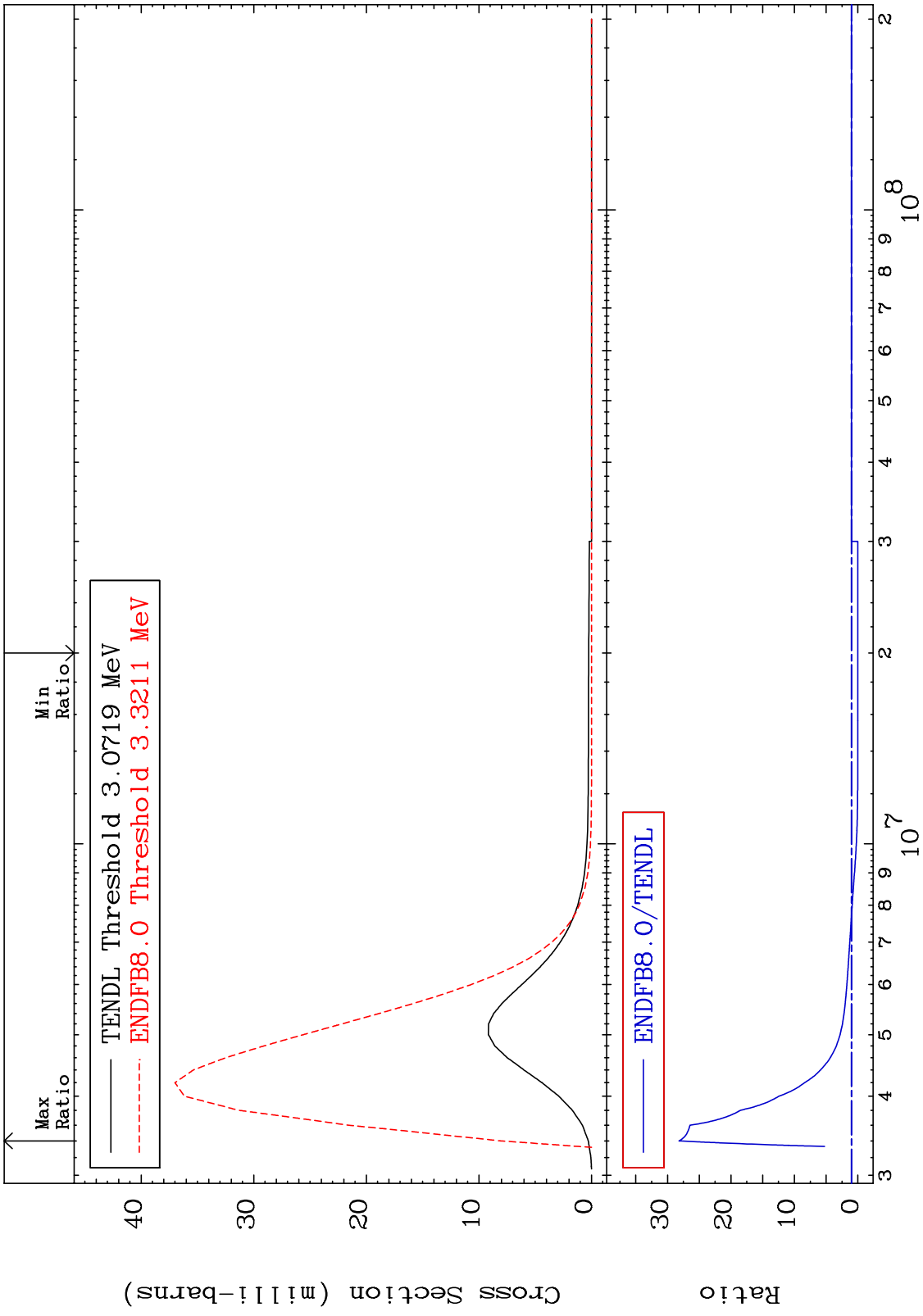


MAT 8234 MT= 61 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 1303. %

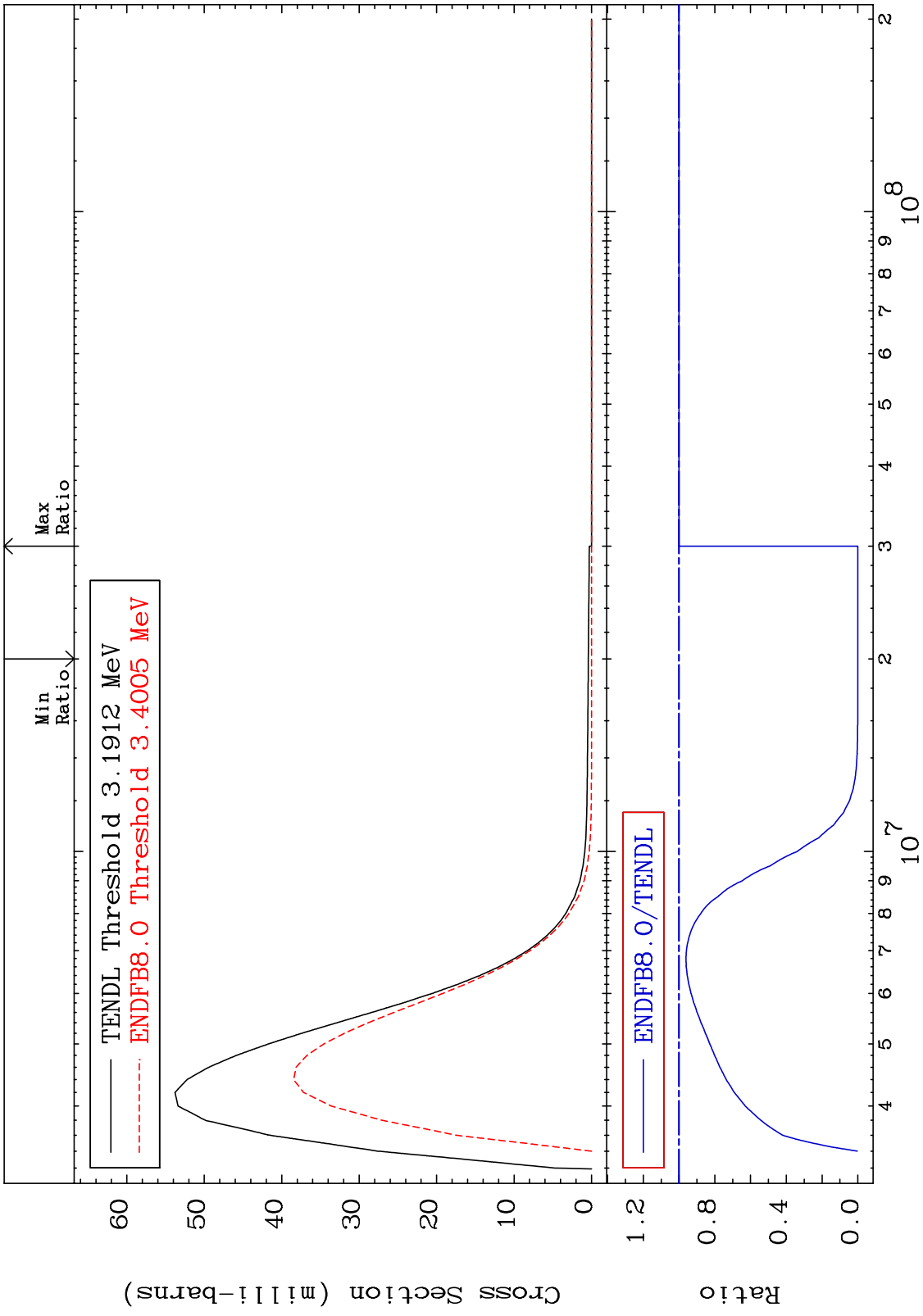


23 Incident Energy (eV) 82-Pb-207

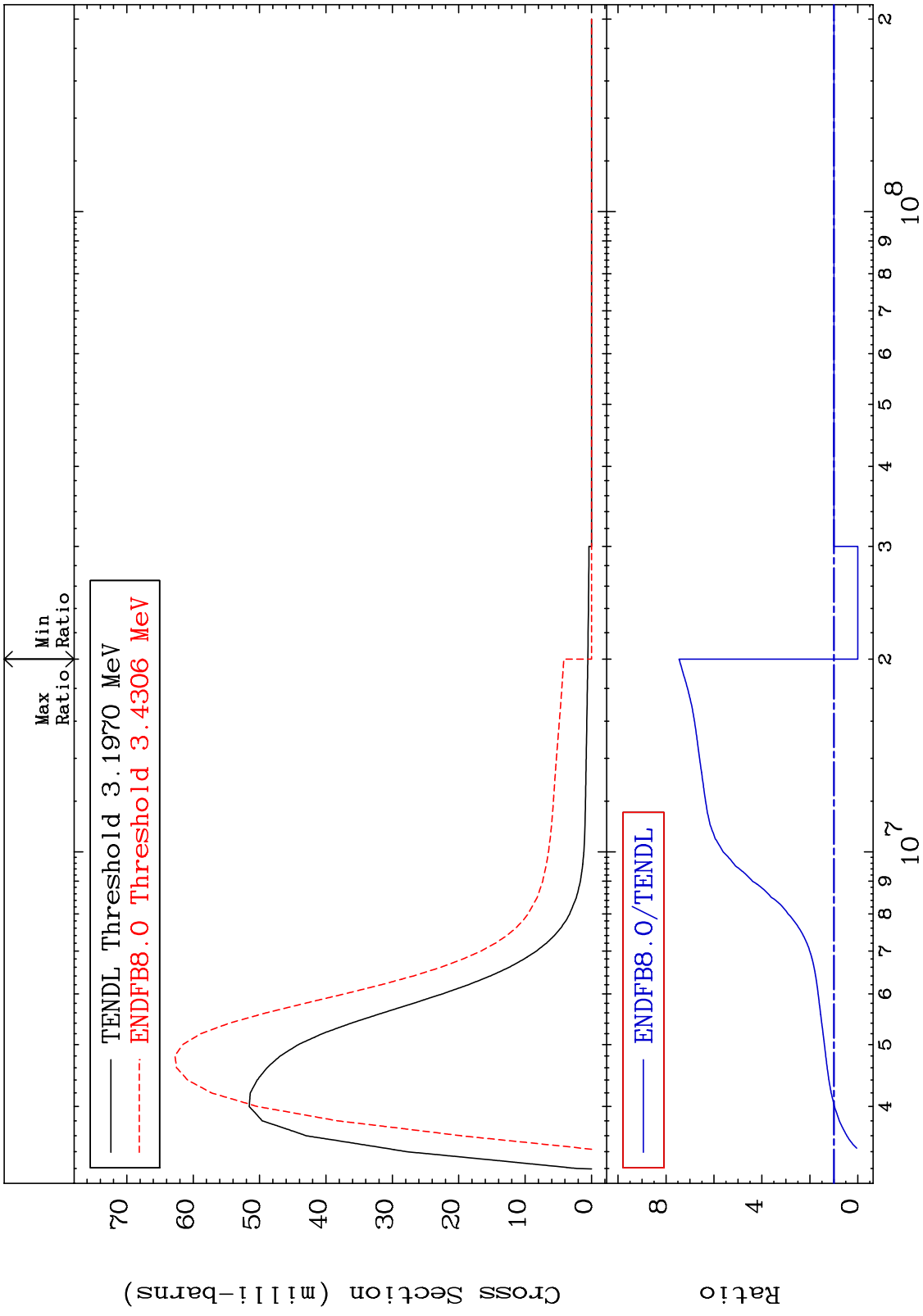
MAT 8234 MT= 62 (n,n') Level Cross Section 82-Pb-207 -100.0 To 2718. %



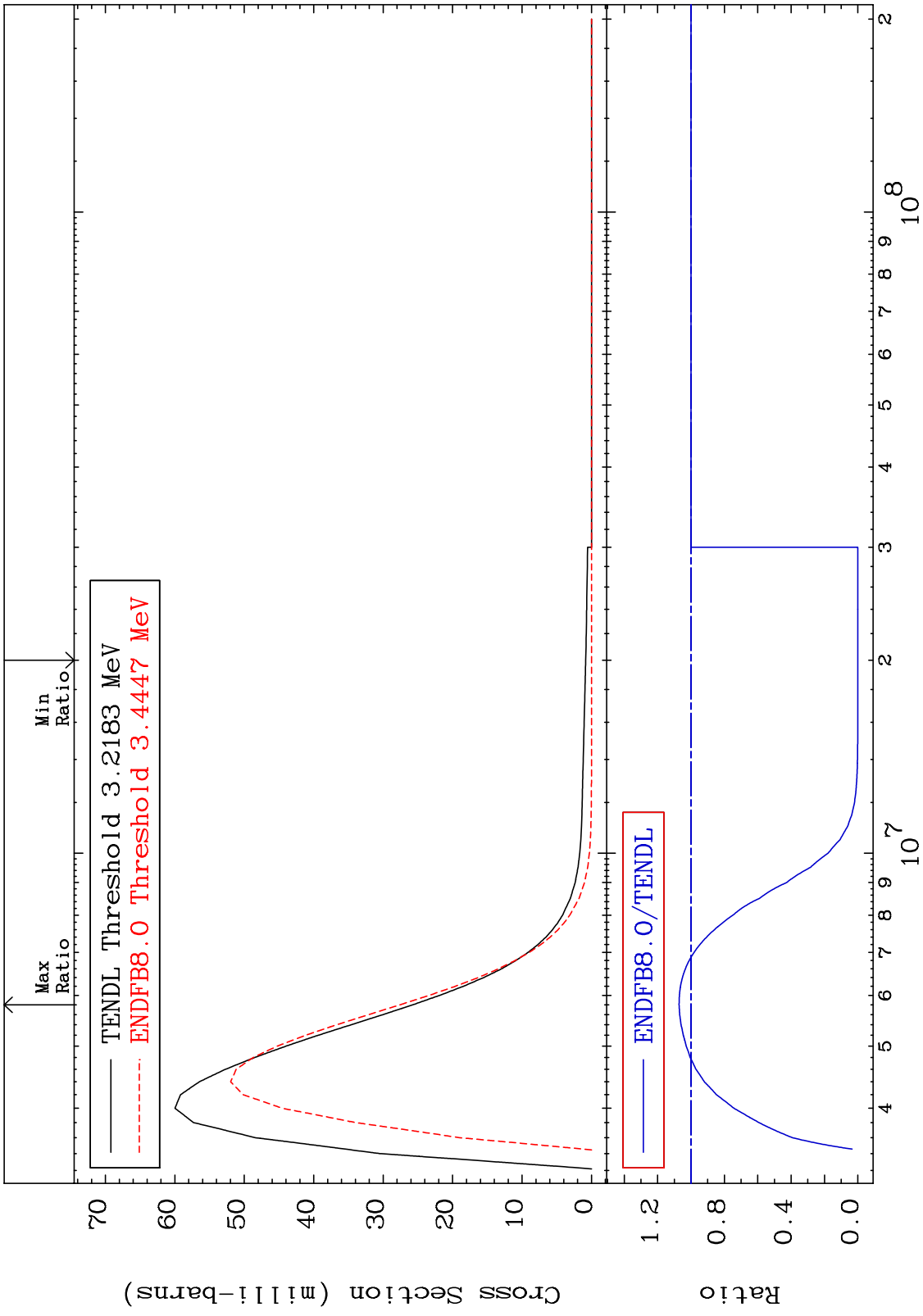
MAT 8234 MT= 63 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 0.000 %



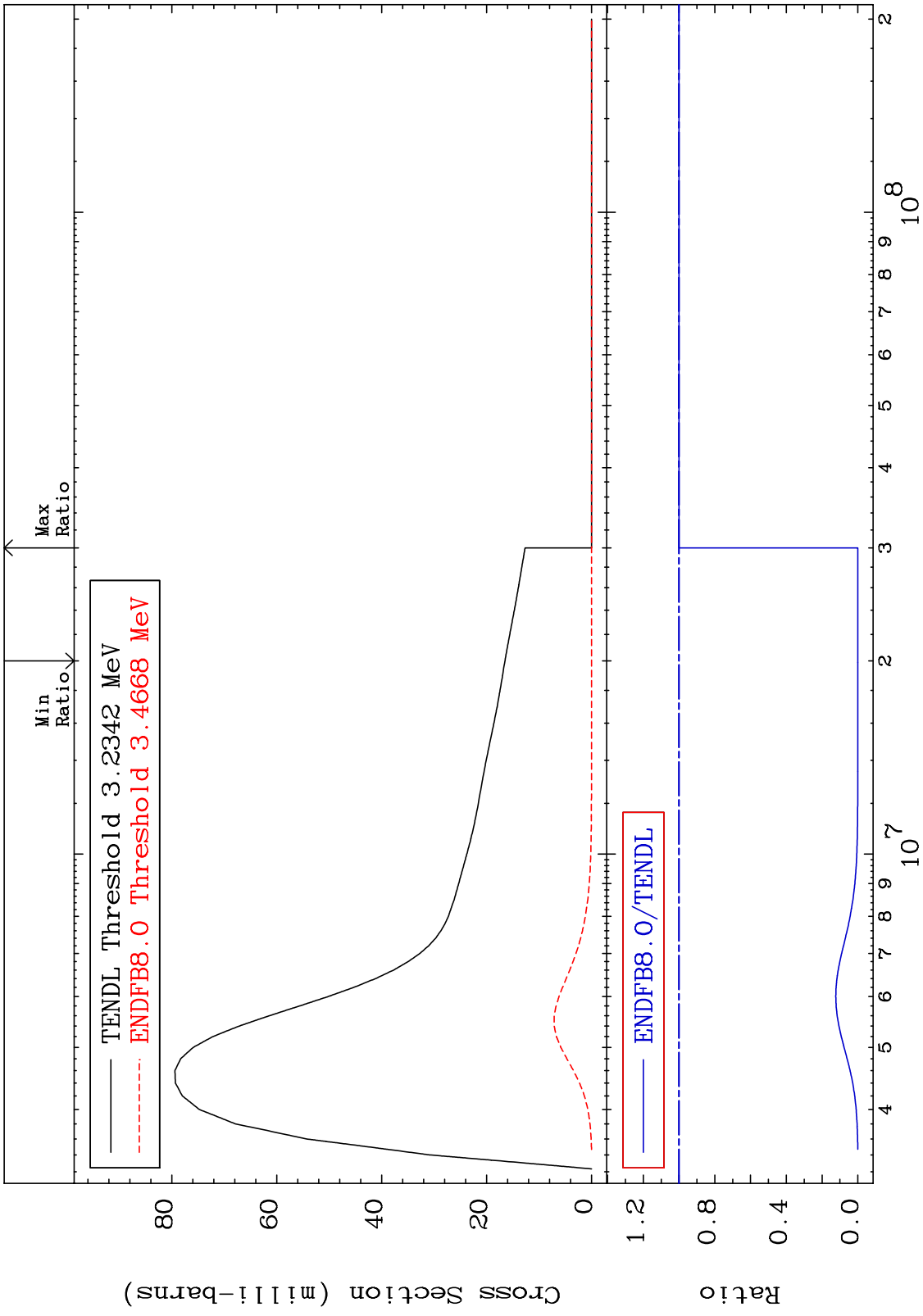
MAT 8234 MT= 64 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 645.6 %



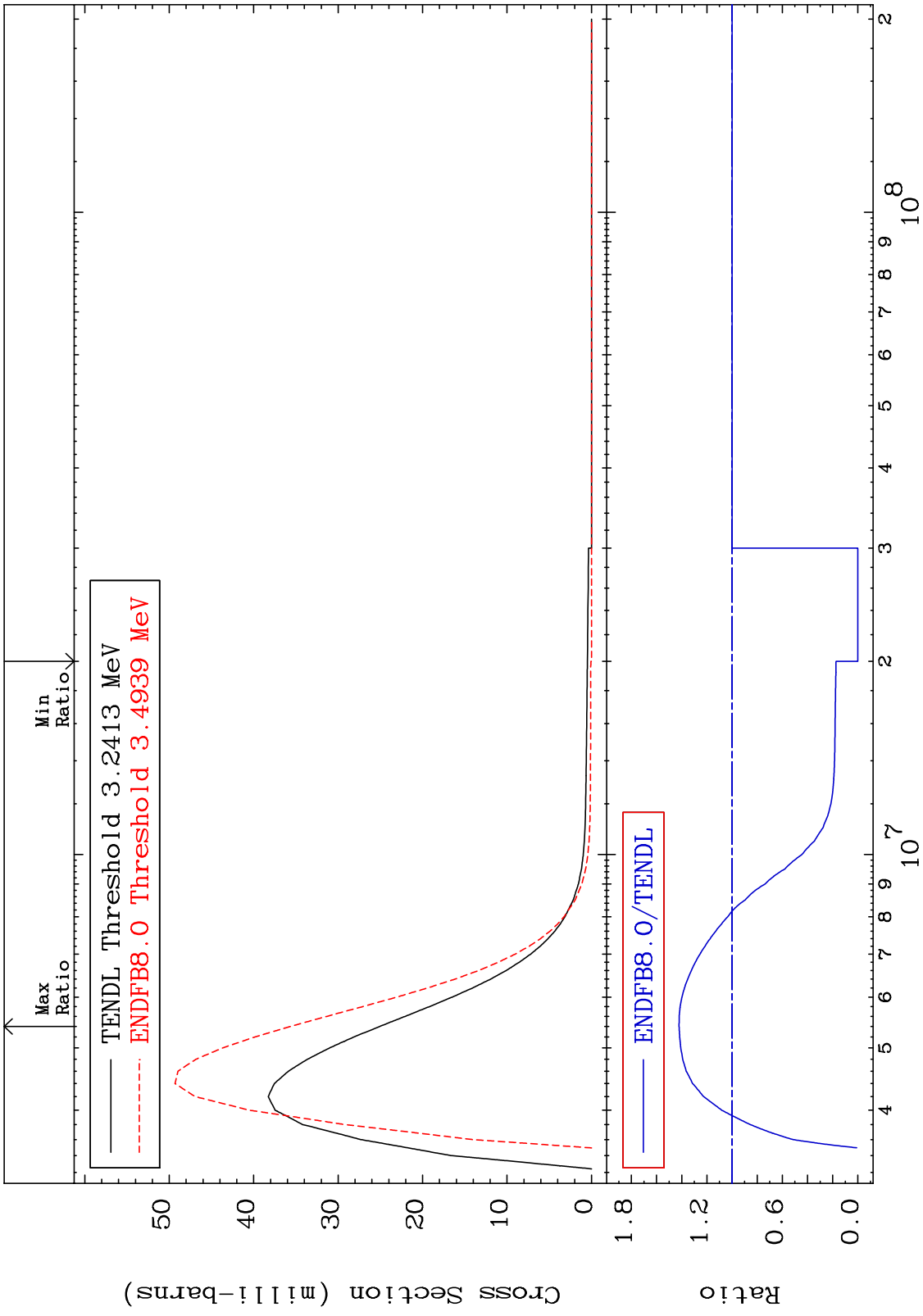
MAT 8234 MT= 65 (n,n') Level Cross Section -100.0 To 7.169 % 82-Pb-207



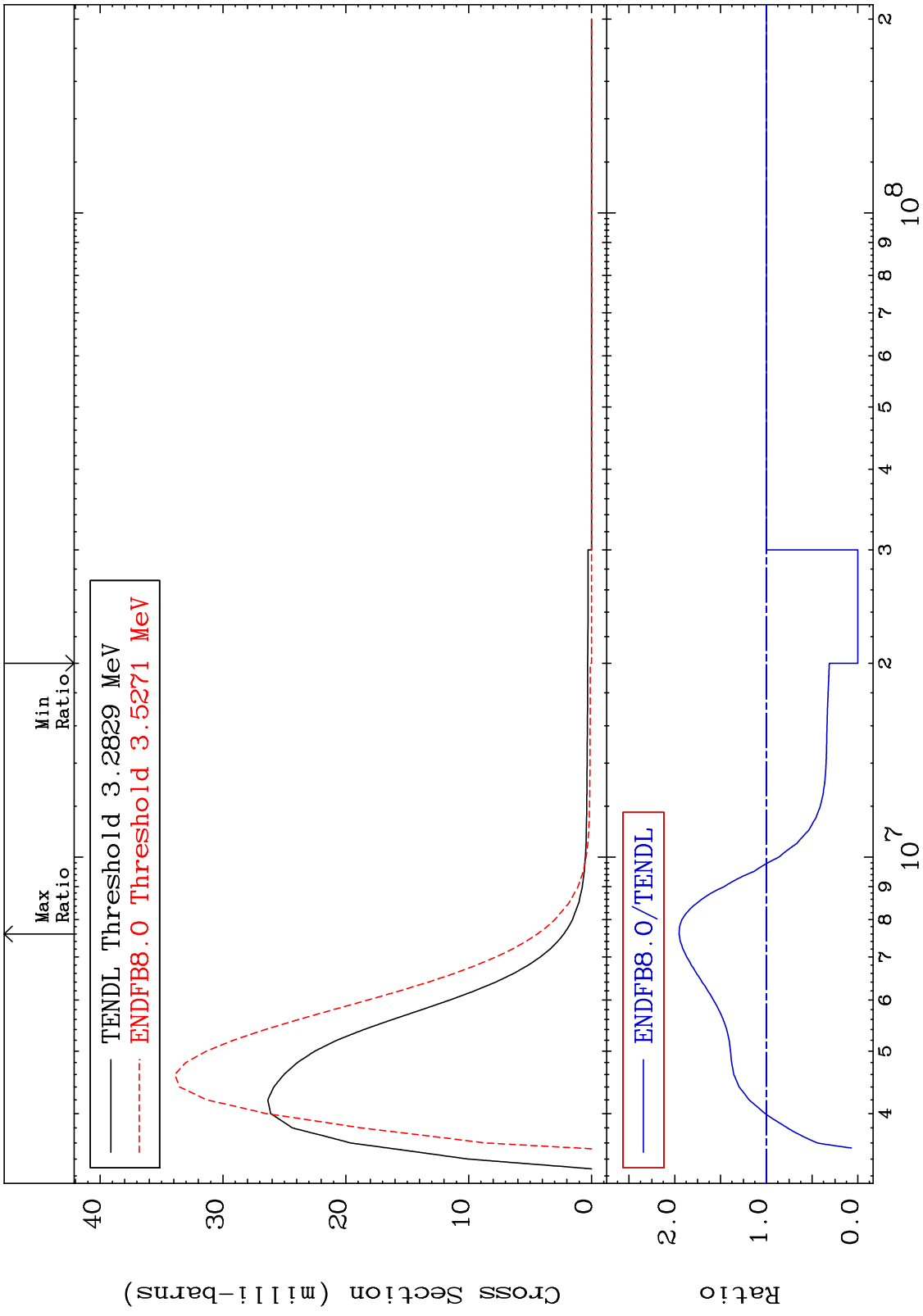
MAT 8234 MT= 66 (n,n') Level Cross Section -100.0 To 0.000 % 82-Pb-207



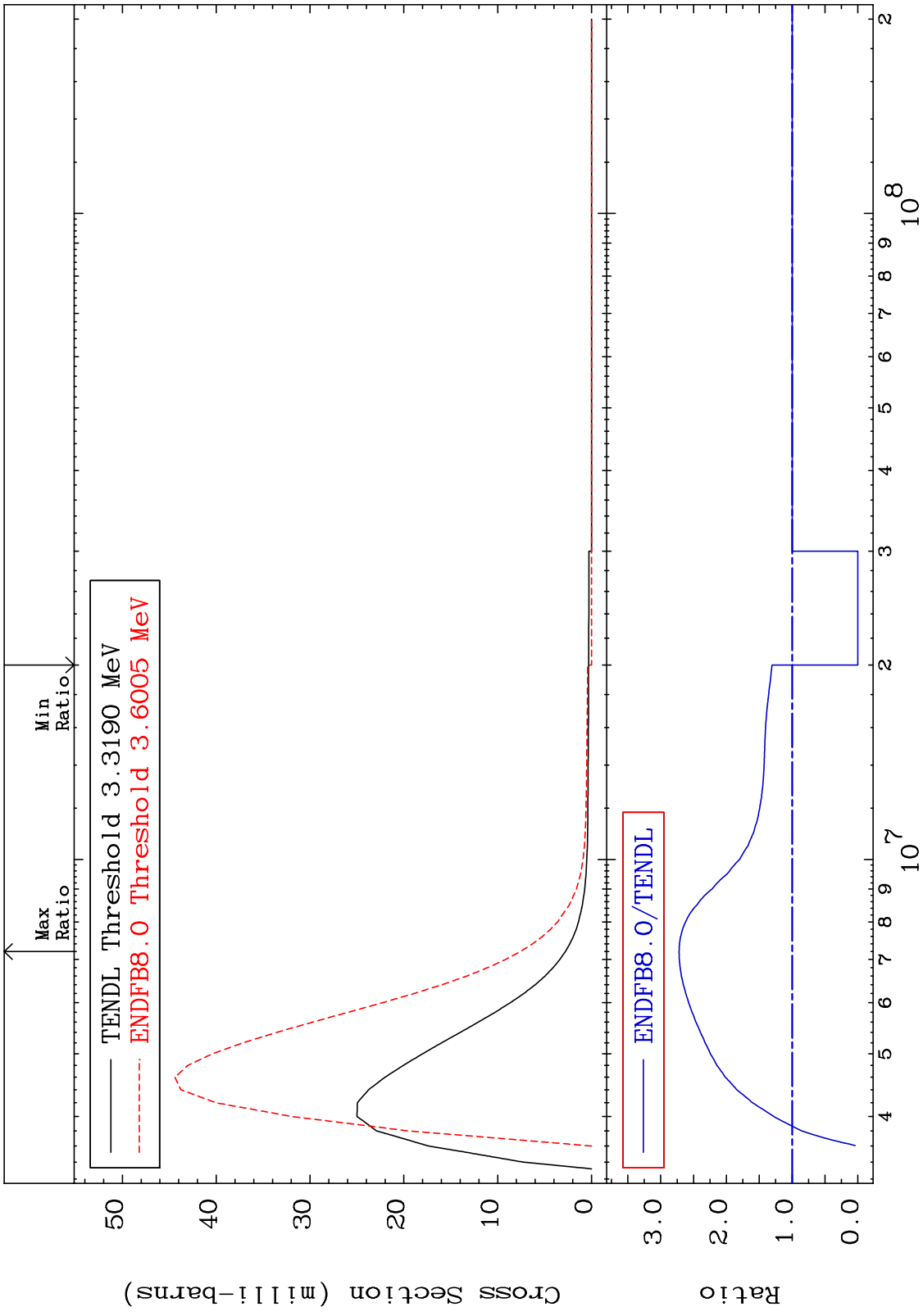
MAT 8234 MT= 67 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 42.13 %



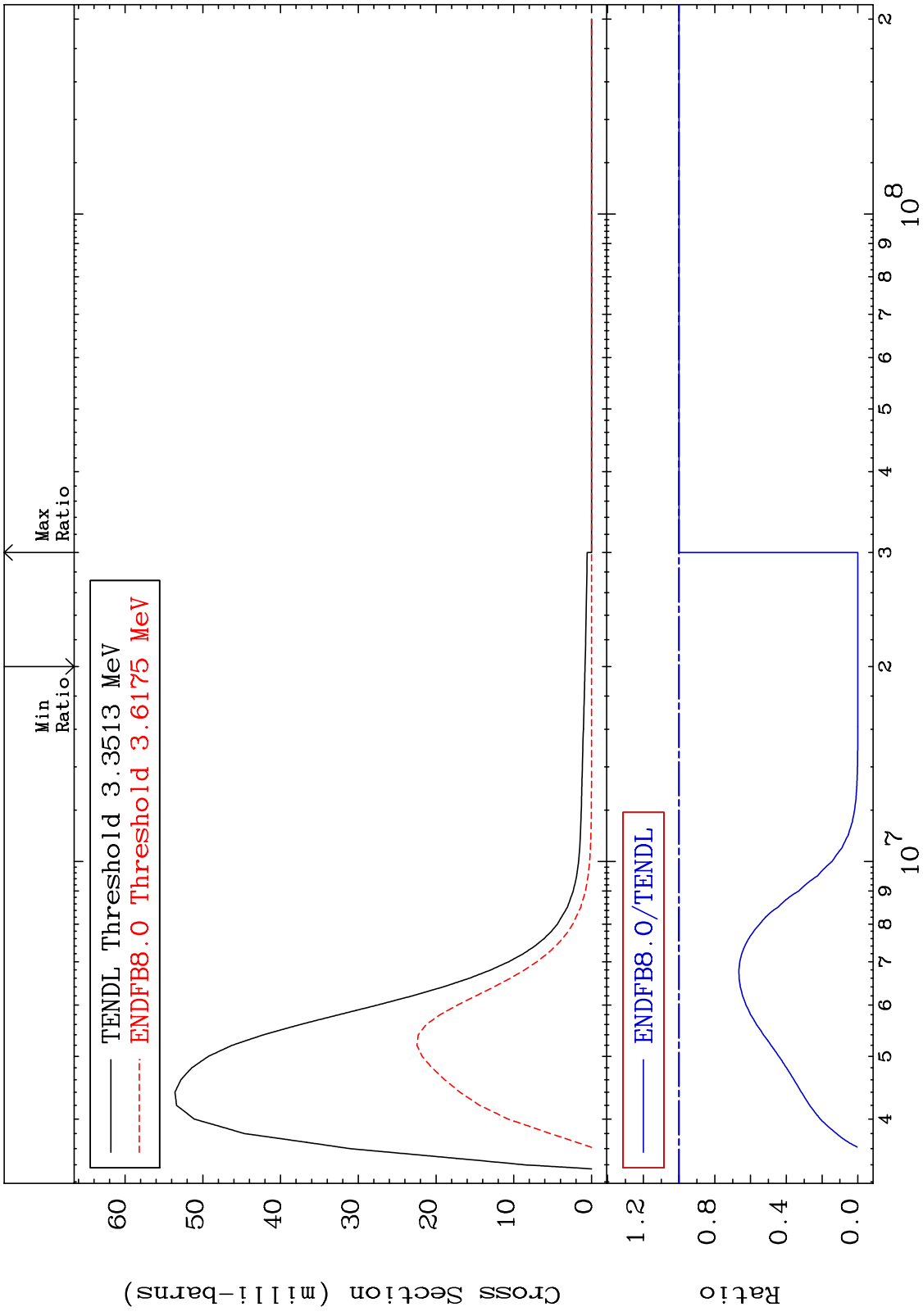
MAT 8234 MT= 68 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 95.34 %

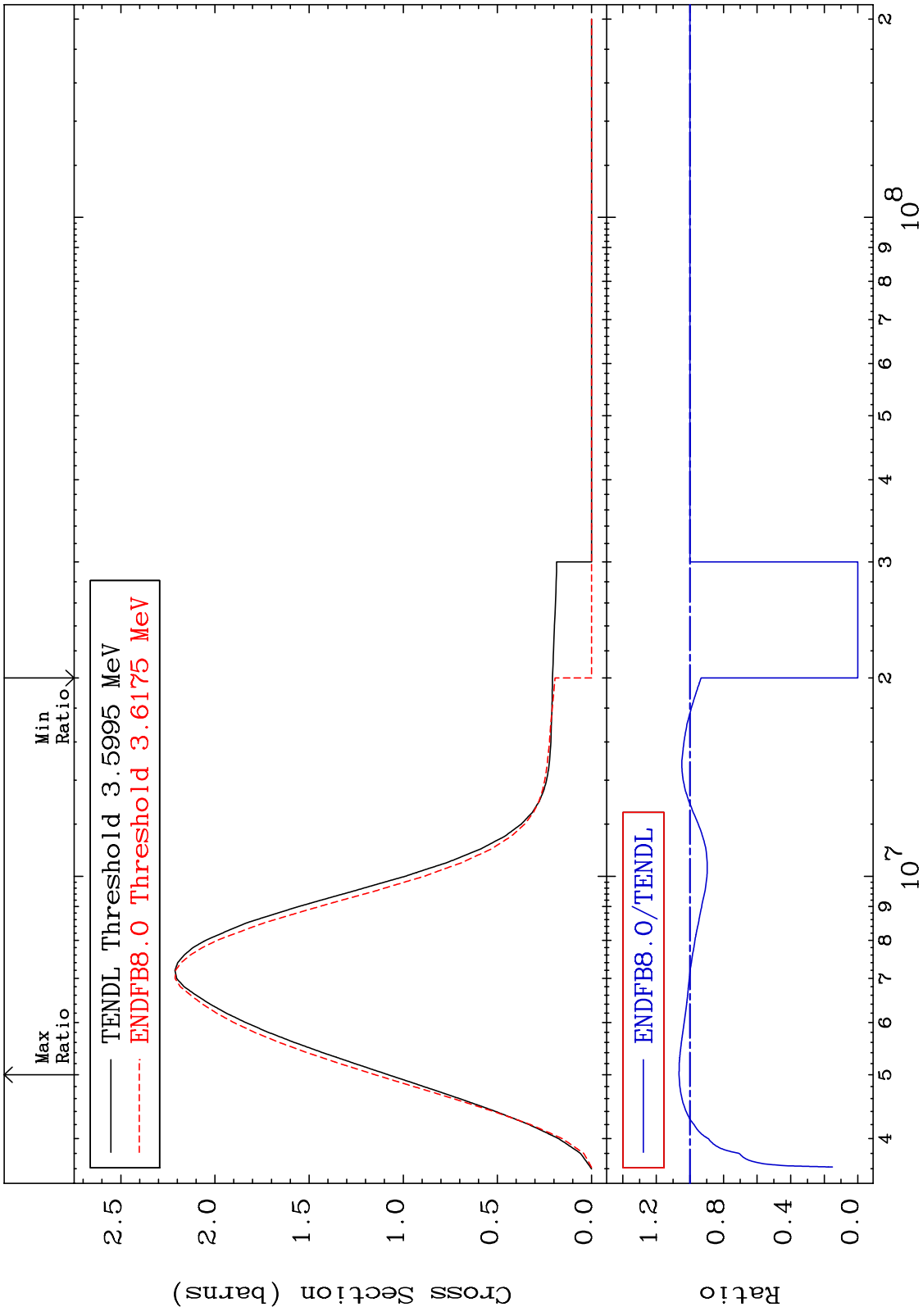


MAT 8234 MT= 69 (n,n') Level Cross Section 82-Pb-207 -100.0 To 172.1 %

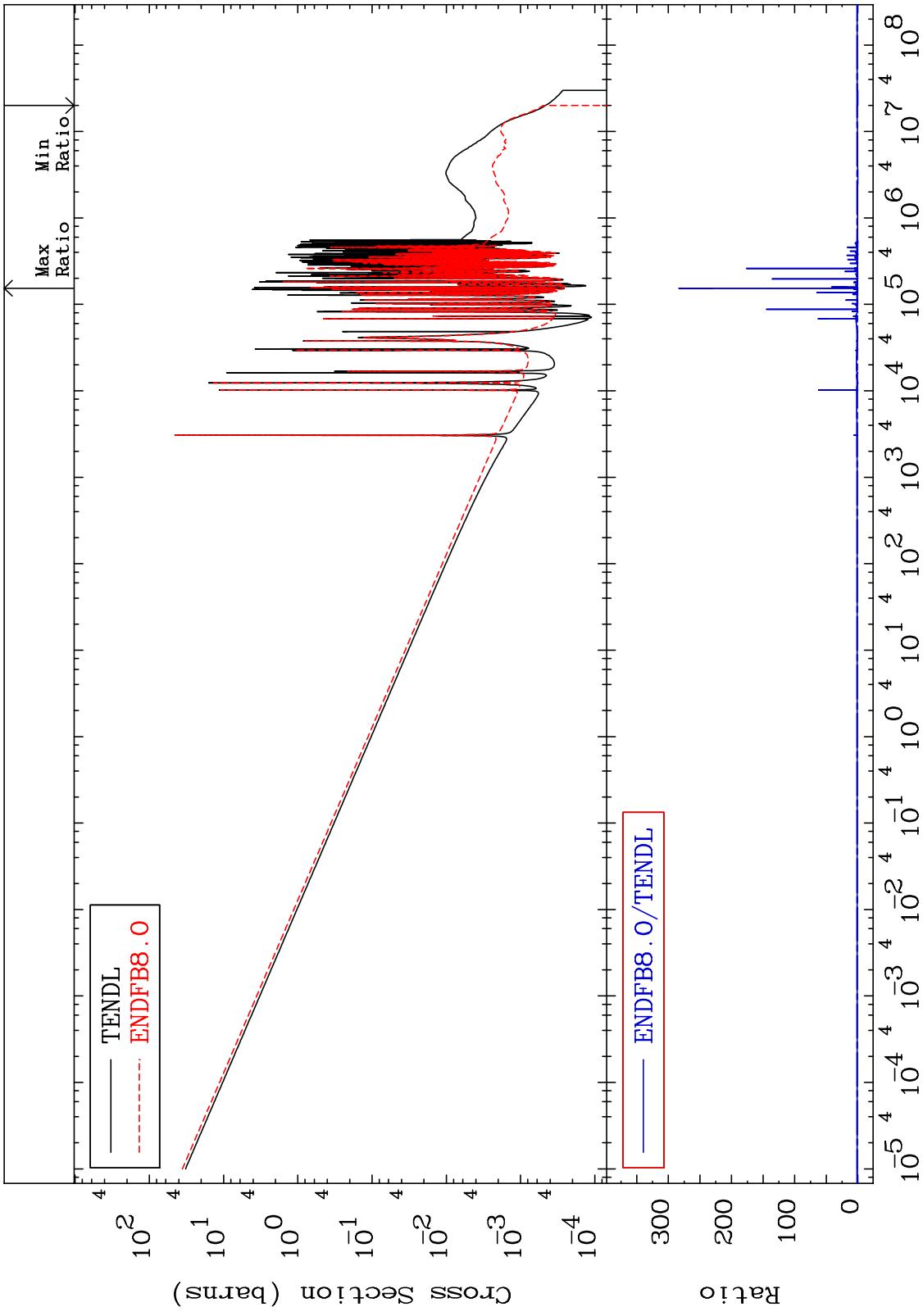


MAT 8234 MT= 70 (n,n') Level Cross Section 82-Pb-207
 -100.0 To 0.000 %

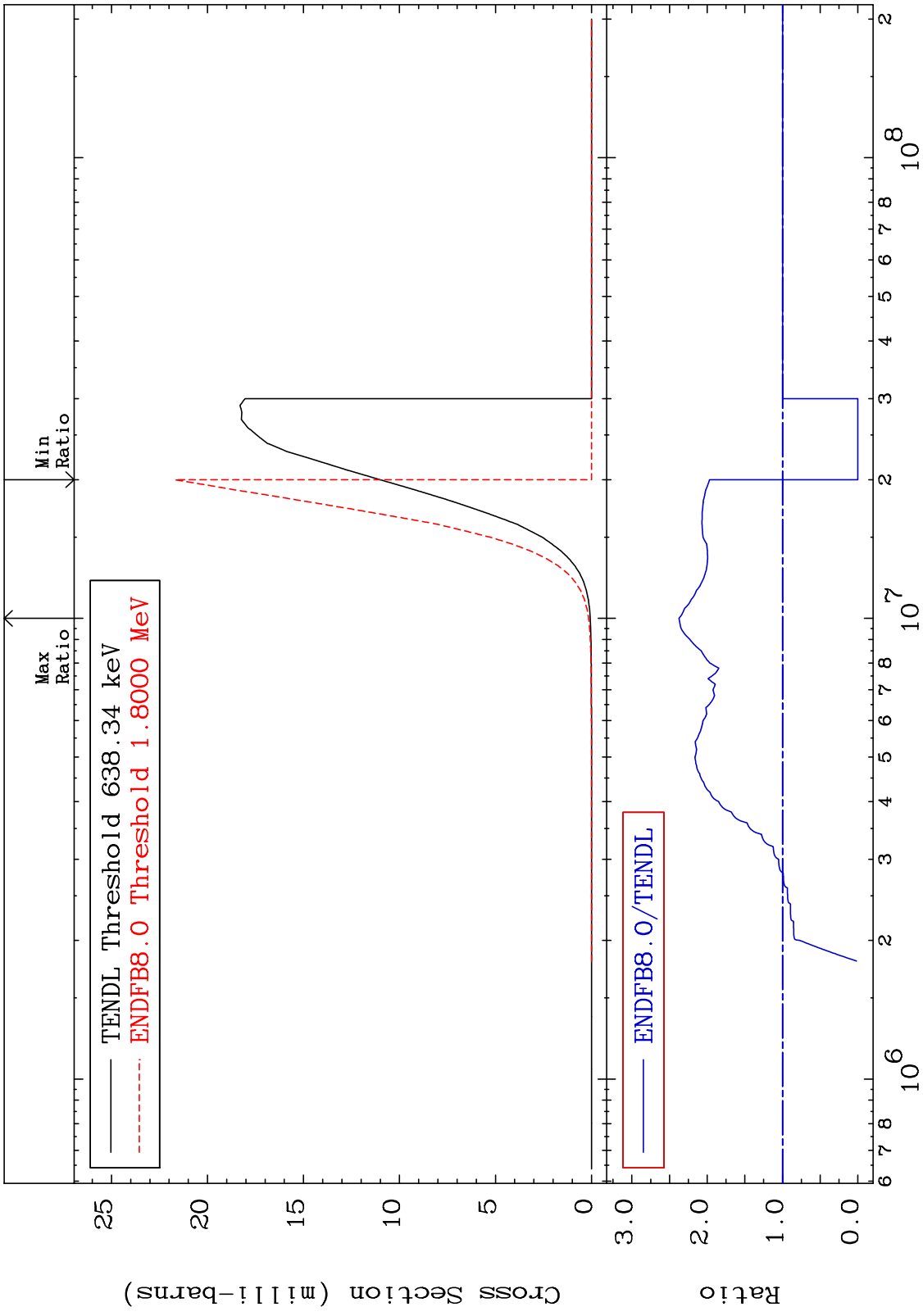




MAT 8234 (n, γ) 82-Pb-207
 Cross Section -100.0 To 9999. %



MAT 8234 (n,p) Cross Section 82-Pb-207 -100.0 To 137.3 %



35 Incident Energy (eV) 82-Pb-207

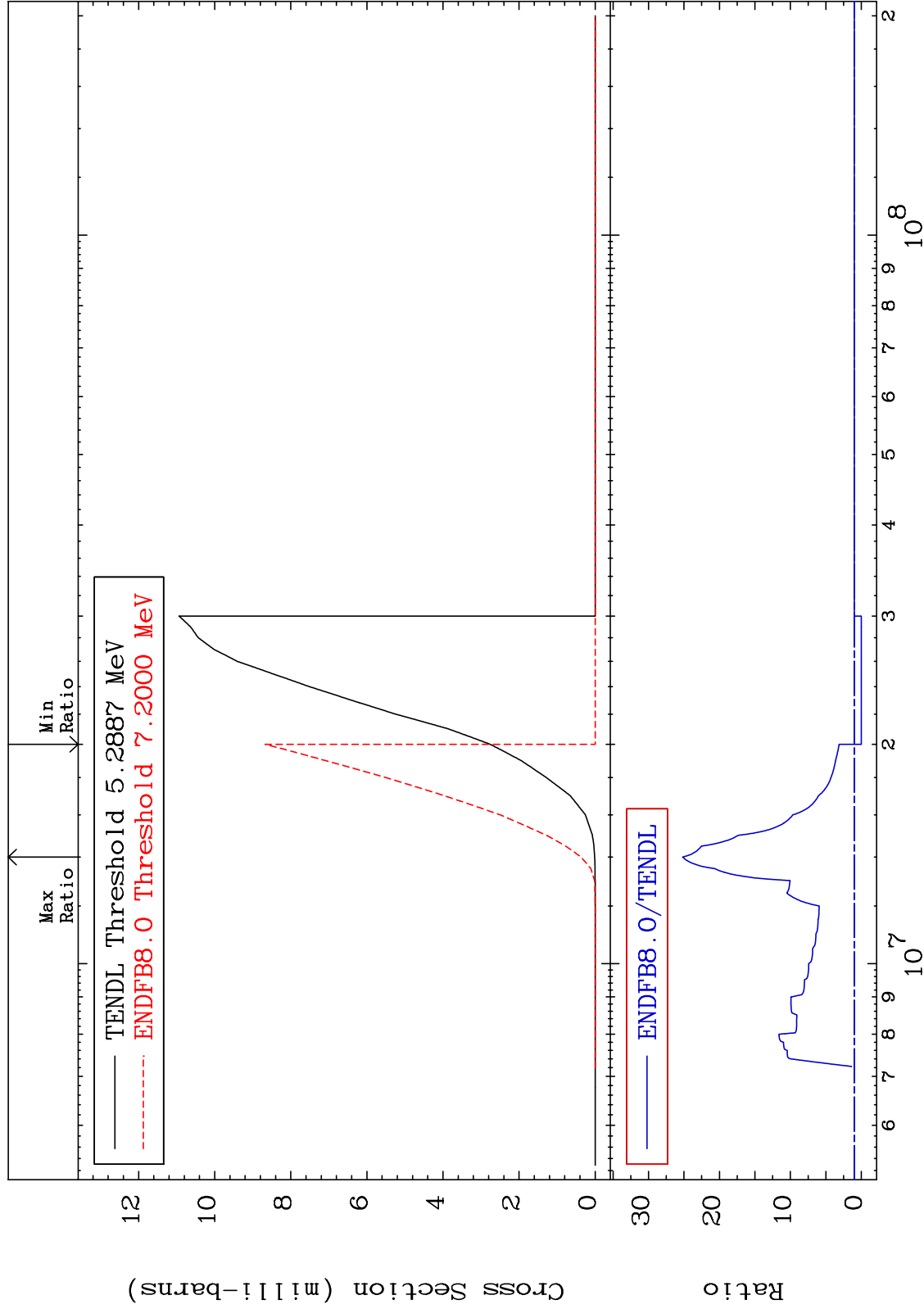
MAT 8234

(n,d)

82-Pb-207

Cross Section

-100.0 To 2418. %

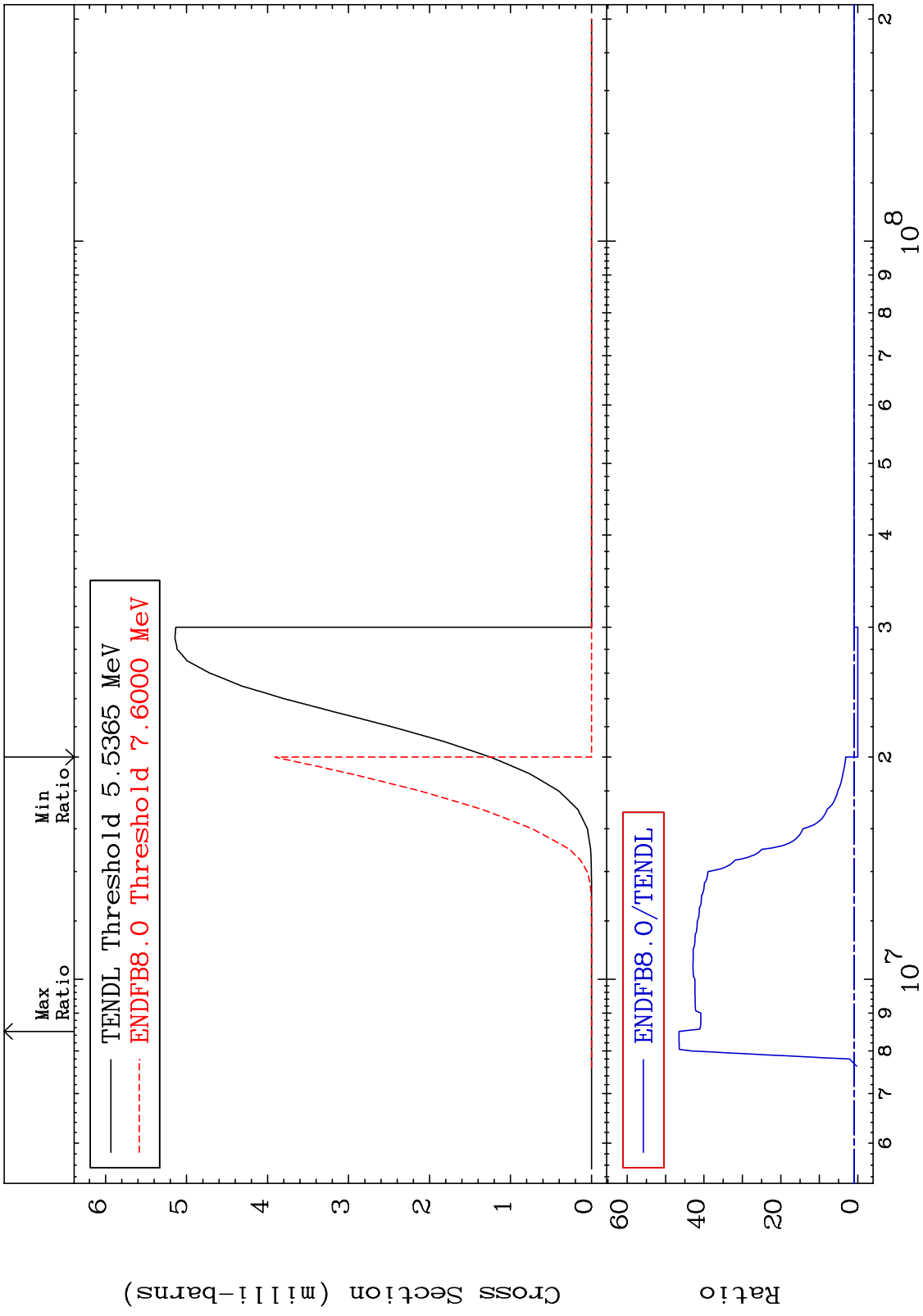


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Incident Energy (eV)

82-Pb-207

MAT 8234 (n,t) 82-Pb-207
 Cross Section -100.0 To 4549. %



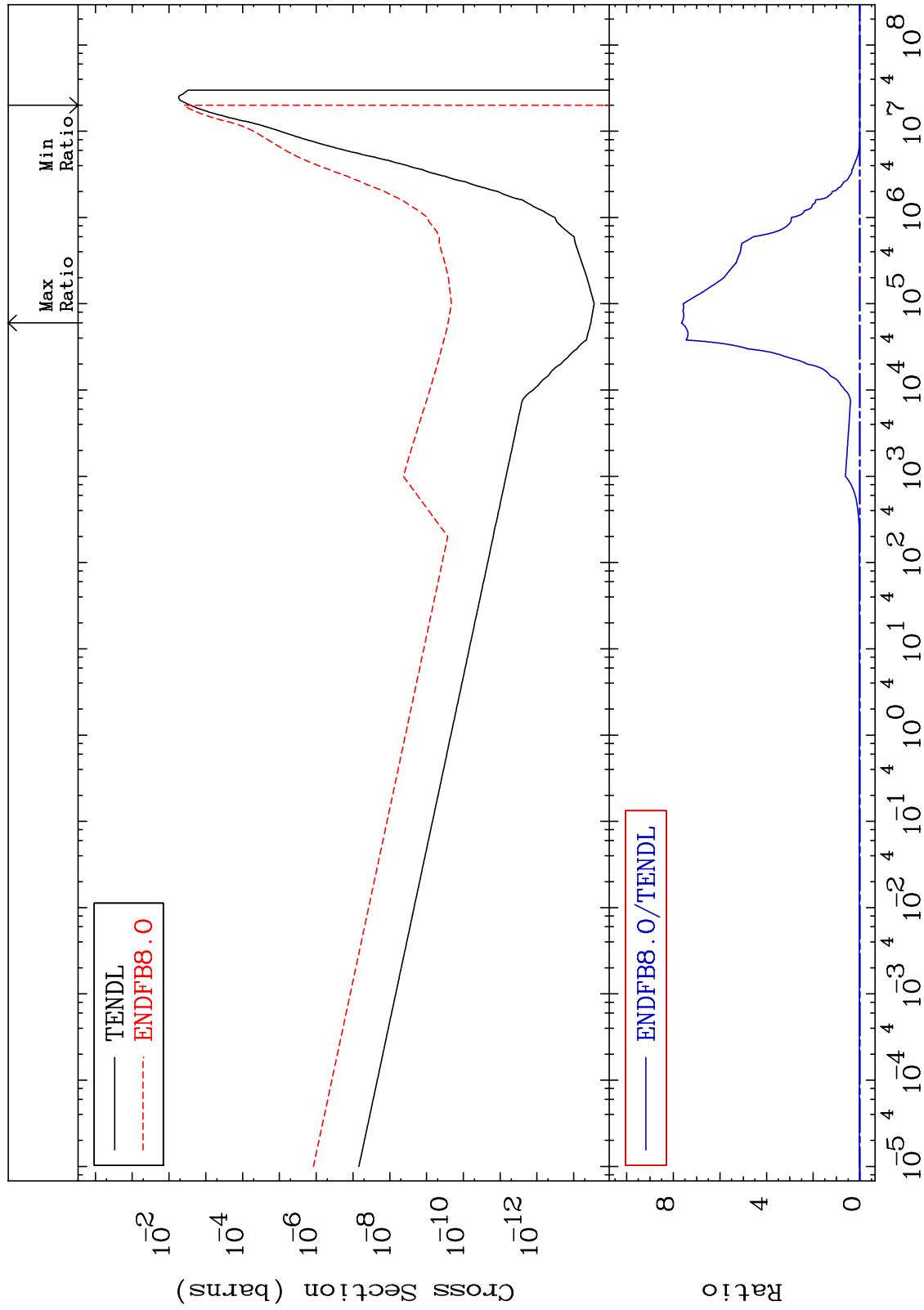
MAT 8234

(n, α)

82-Pb-207

Cross Section

-100.0 To 9999. %



38

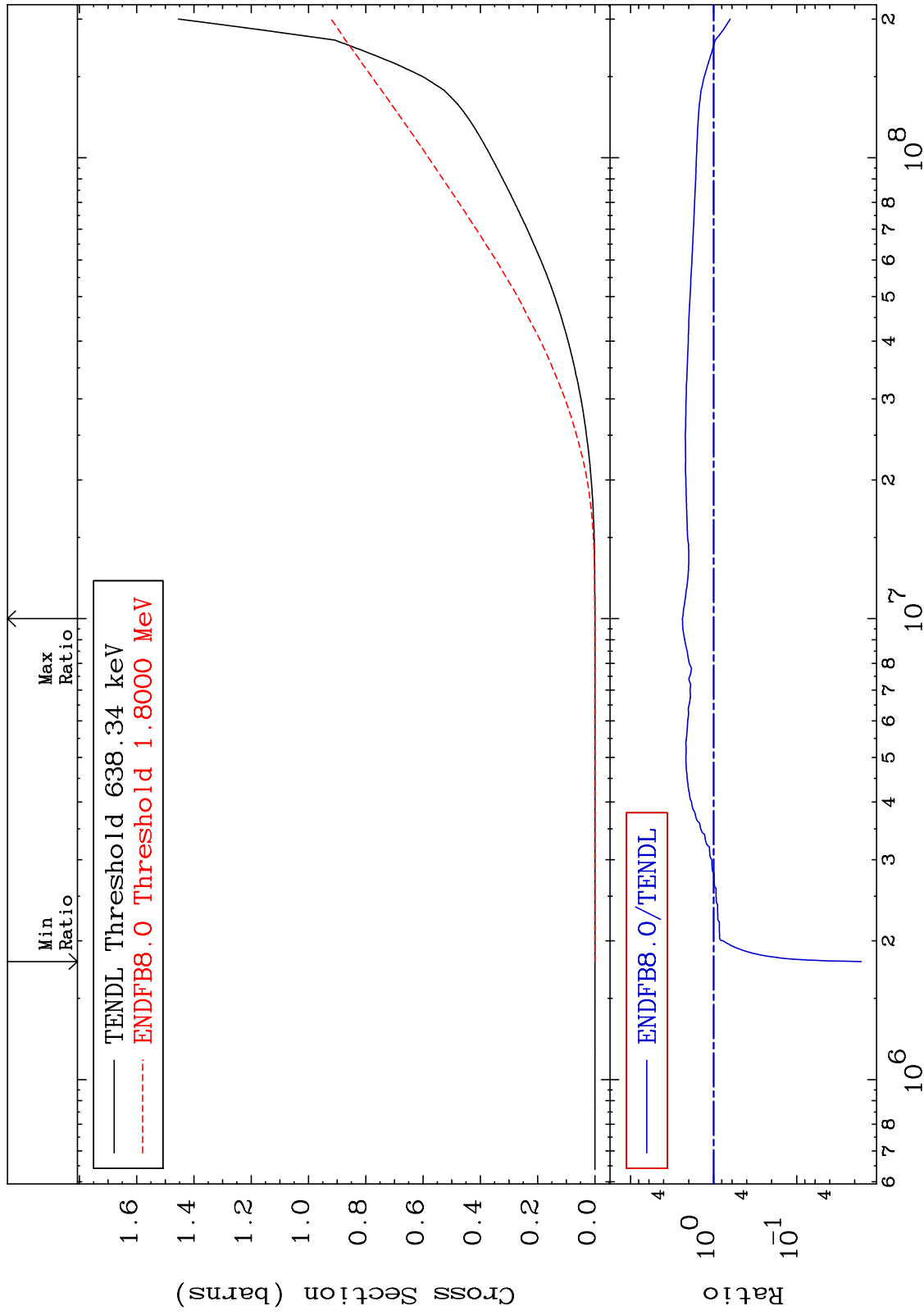
Incident Energy (eV)

82-Pb-207

MAT 8234

Hydrogen Production
Cross Section

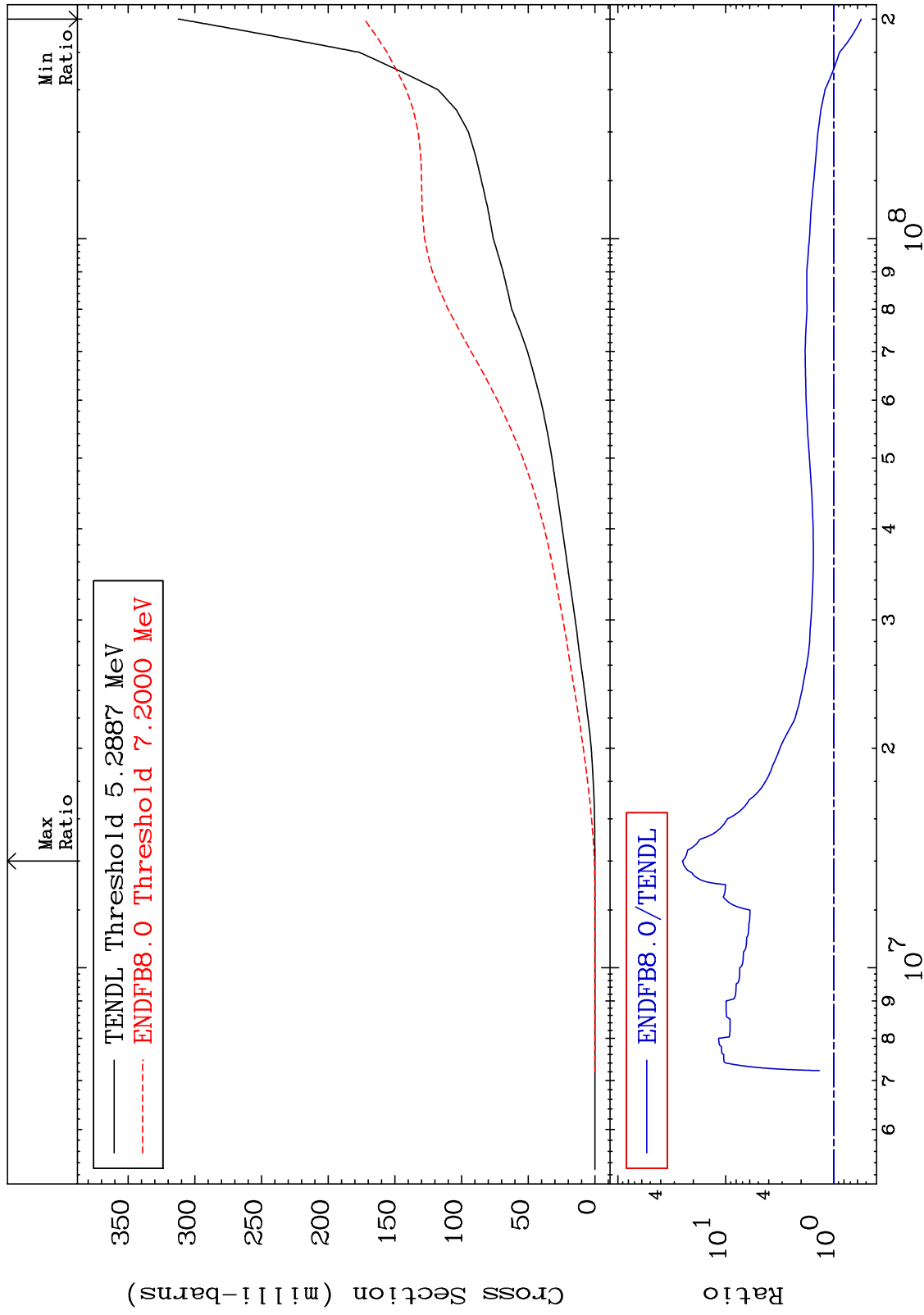
82-Pb-207
-98.33 To 137.3 %



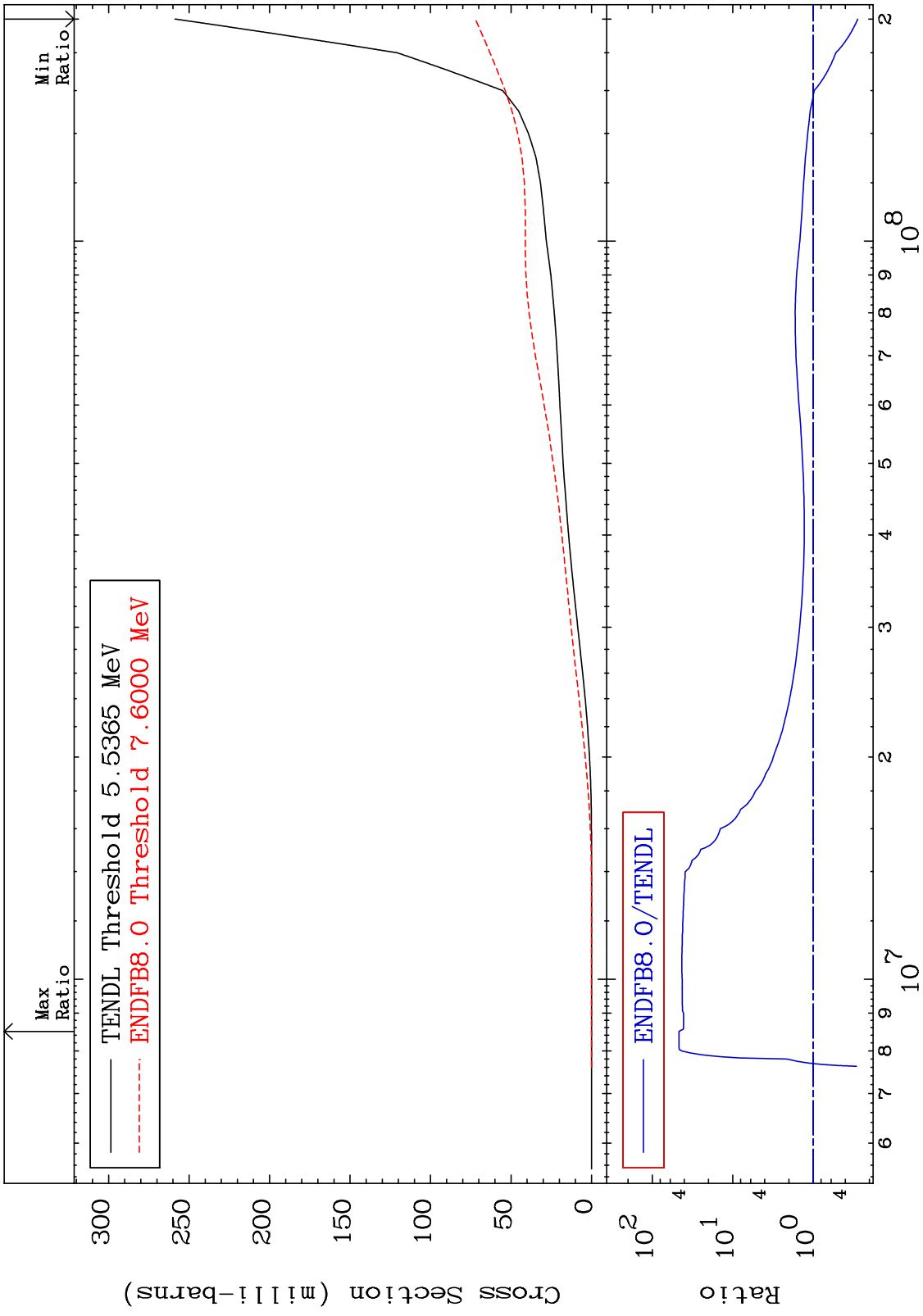
MAT 8234

Deuterium Production
Cross Section

82-Pb-207
-44.63 To 2418. %



MAT 8234 Tritium Production Cross Section 82-Pb-207
 -72.10 To 4549. %

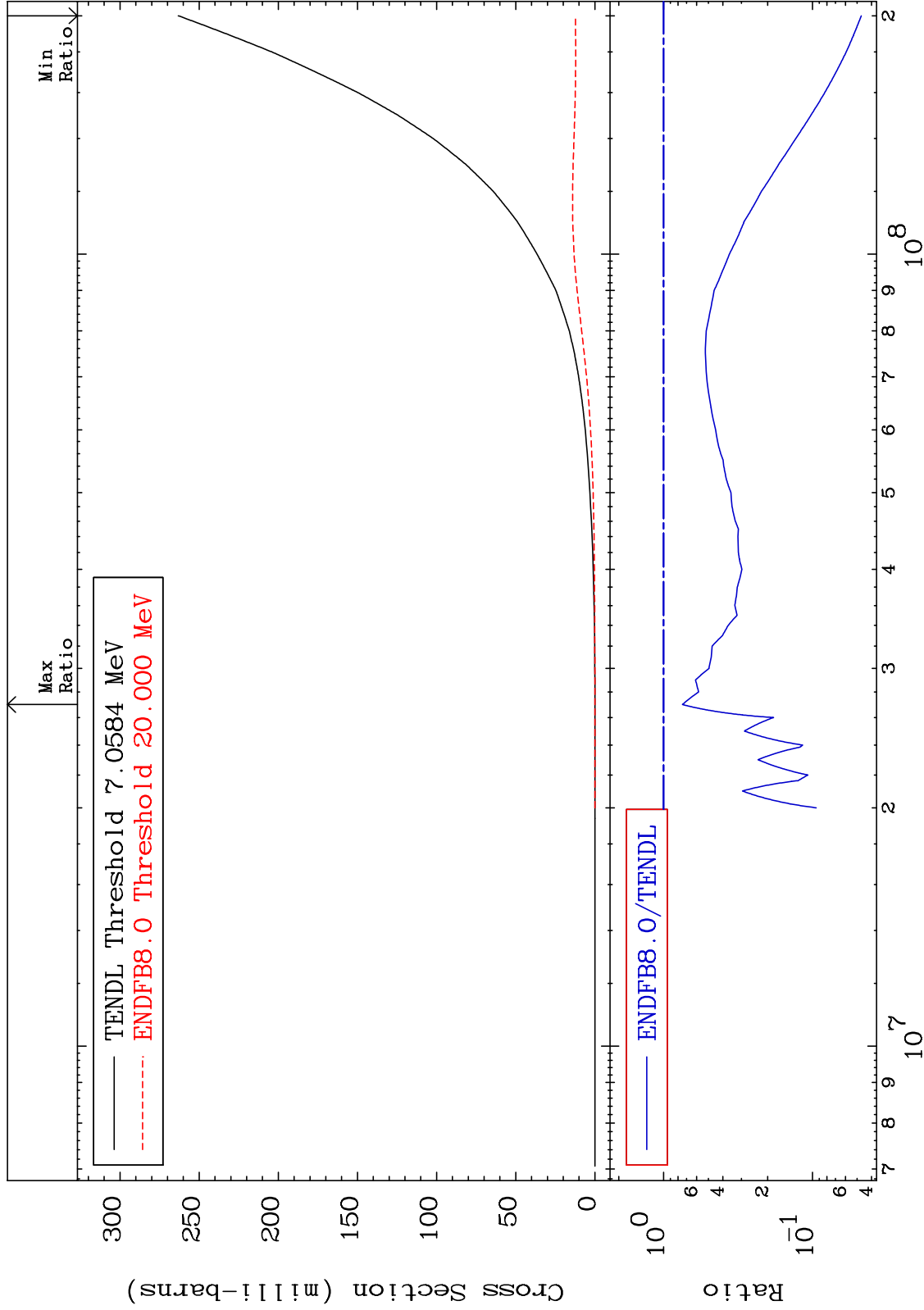


41 82-Pb-207

MAT 8234

He-3 Production
Cross Section

82-Pb-207
-95.31 To -25.34%



42

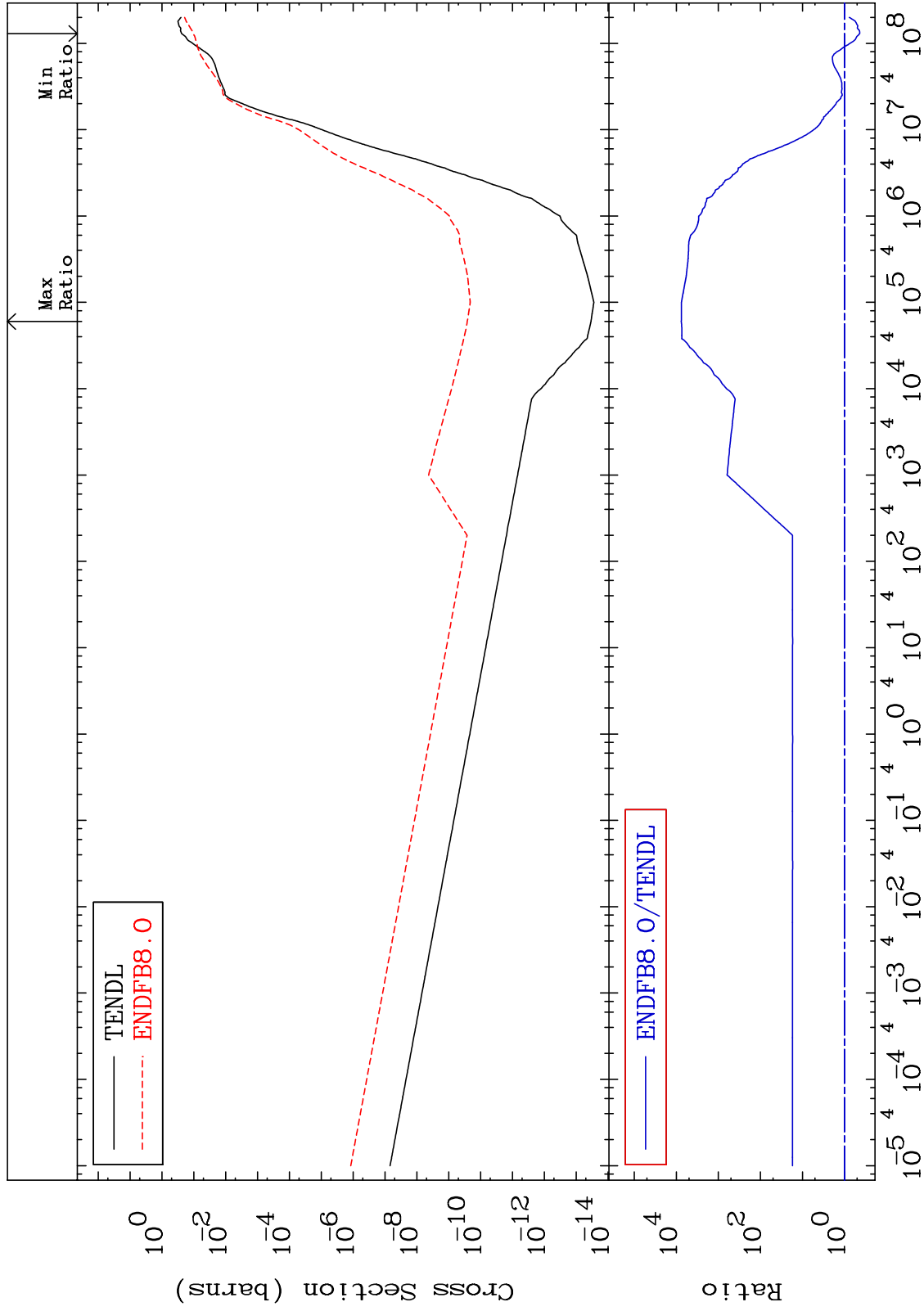
Incident Energy (eV)

82-Pb-207

MAT 8234

He-4 Production
Cross Section

82-Pb-207
-56.78 To 9999. %

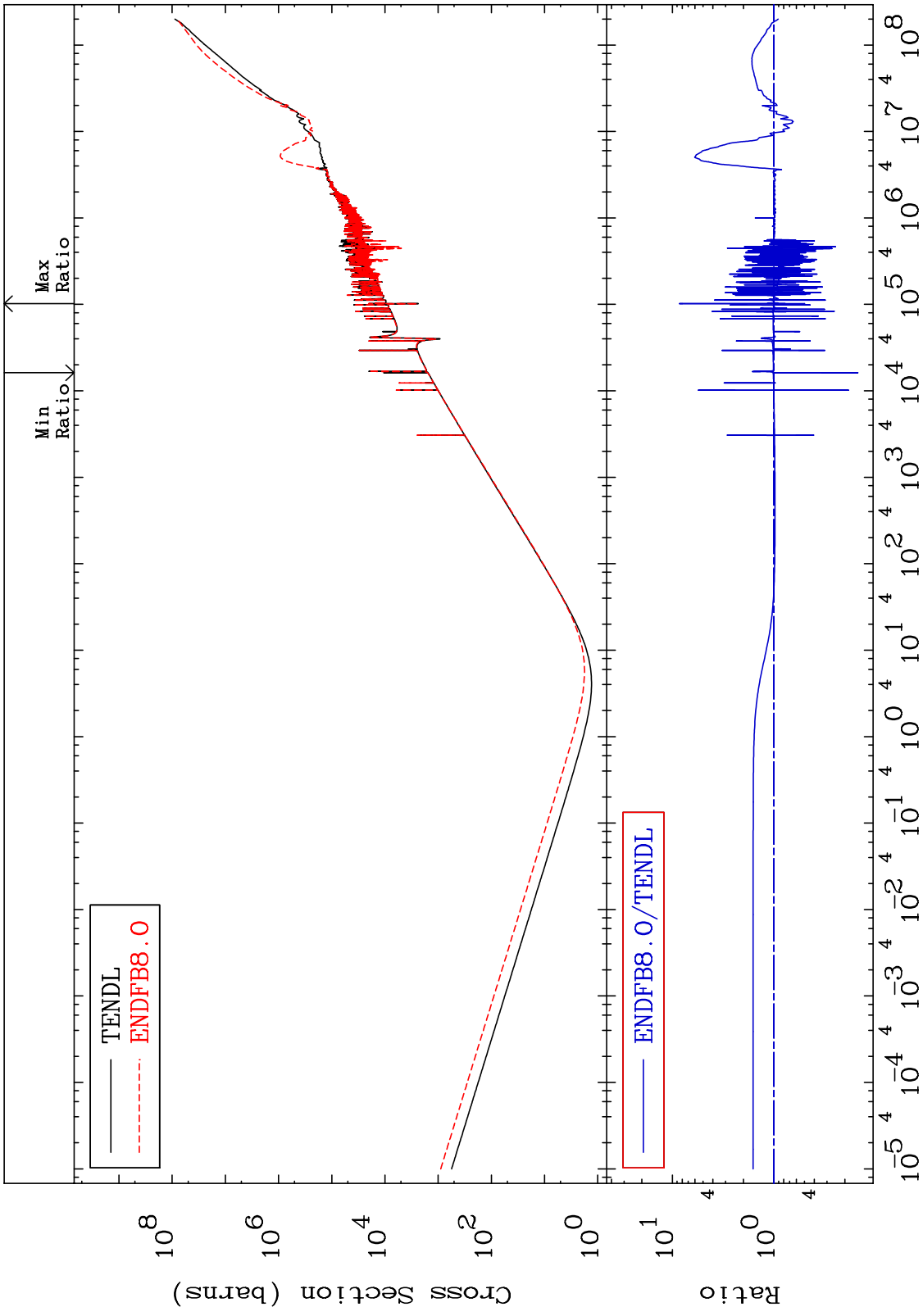


43

Incident Energy (eV)

82-Pb-207

MAT 8234 Kerma total (eV-barns) 82-Pb-207
 Cross Section -85.10 To 760.8 %

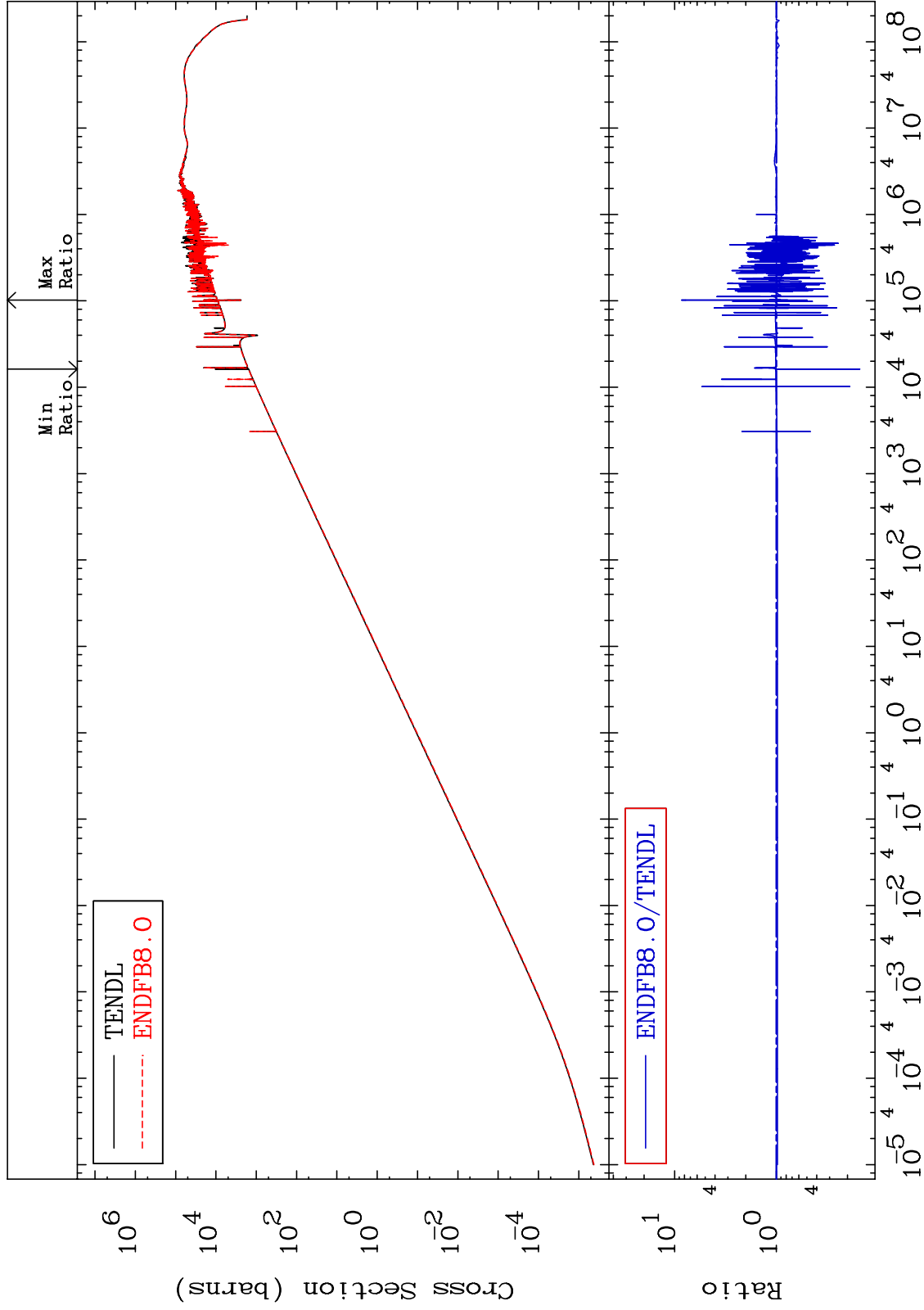


44 Incident Energy (eV) 82-Pb-207

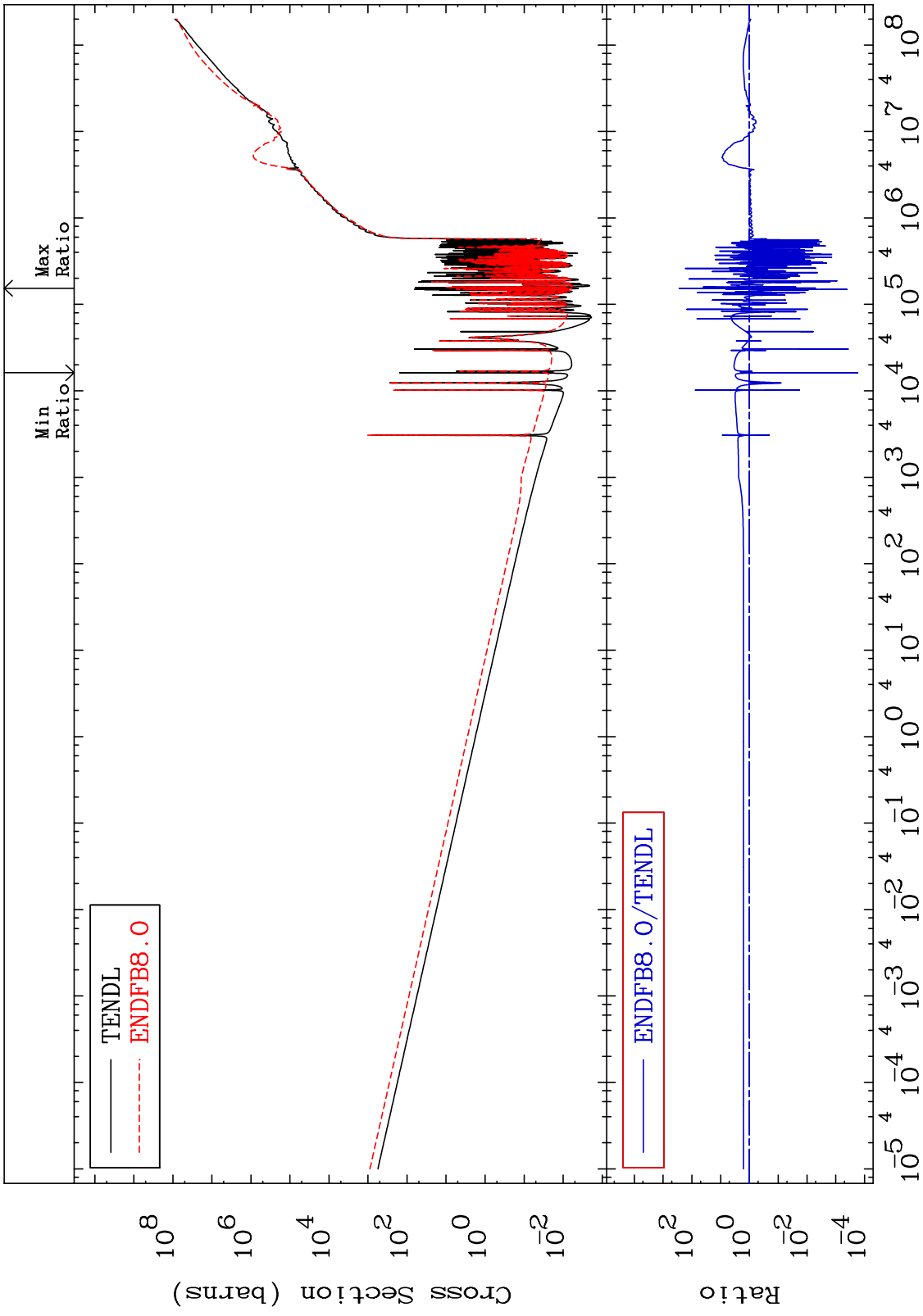
MAT 8234

Kerma elastic
Cross Section

82-Pb-207
-84.87 To 760.9 %



MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
 Cross Section -99.98 To 9999. %

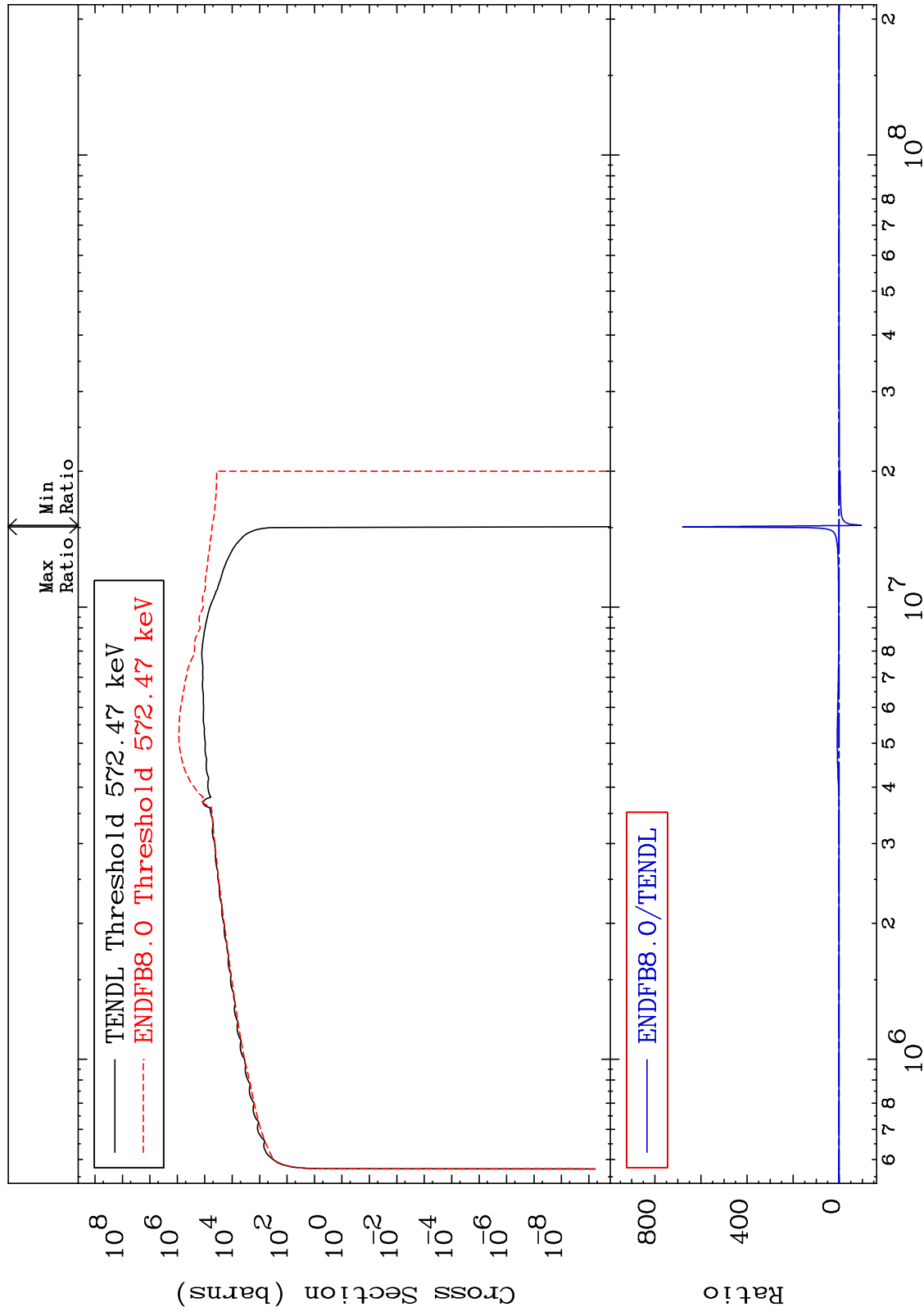


46 Incident Energy (eV) 82-Pb-207

MAT 8234

Kerma inelastic (mt51-91)
Cross Section

82-Pb-207
-9676. To 9999. %



47

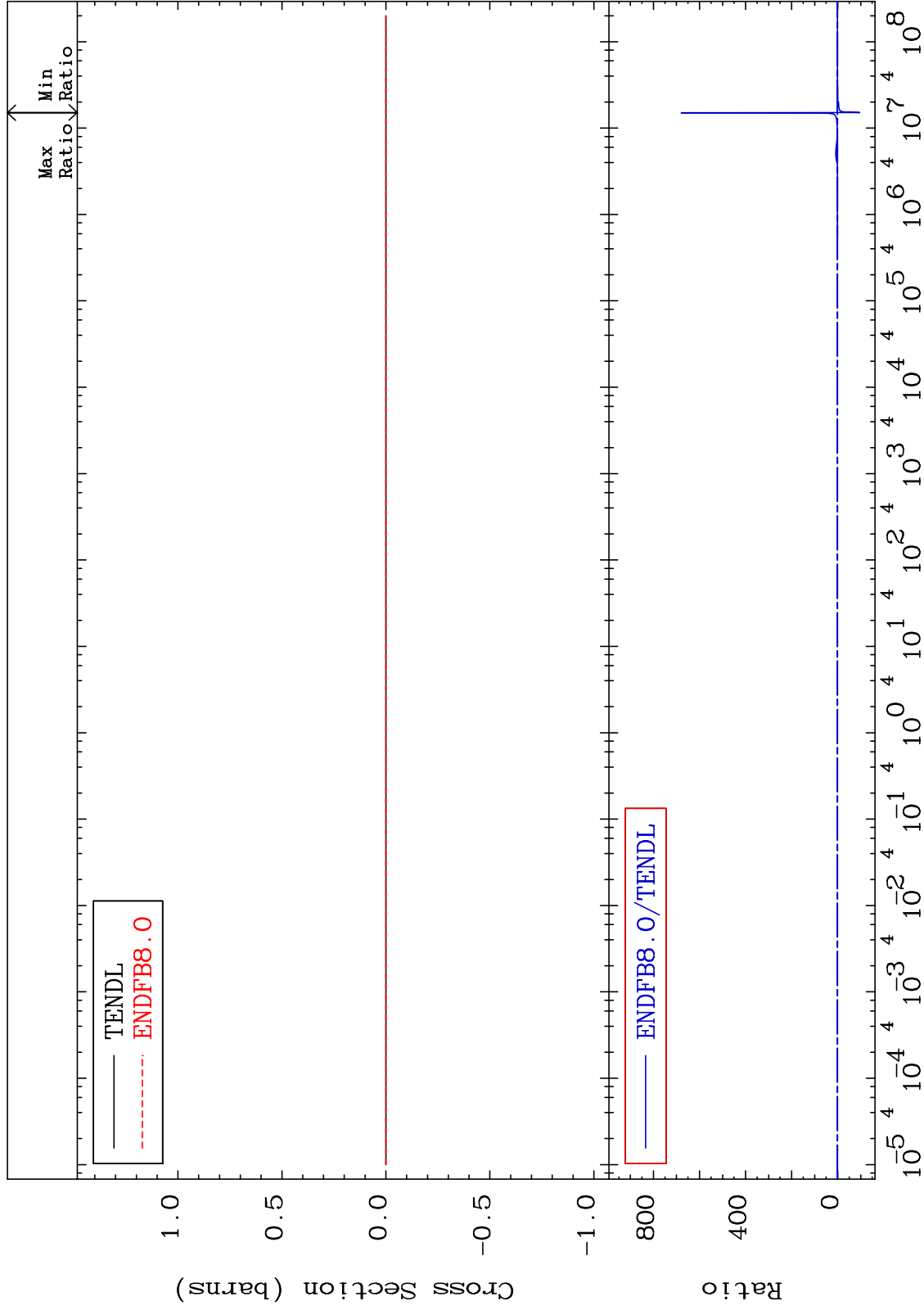
Incident Energy (eV)

82-Pb-207

MAT 8234

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

82-Pb-207
-9676. To 9999. %



48

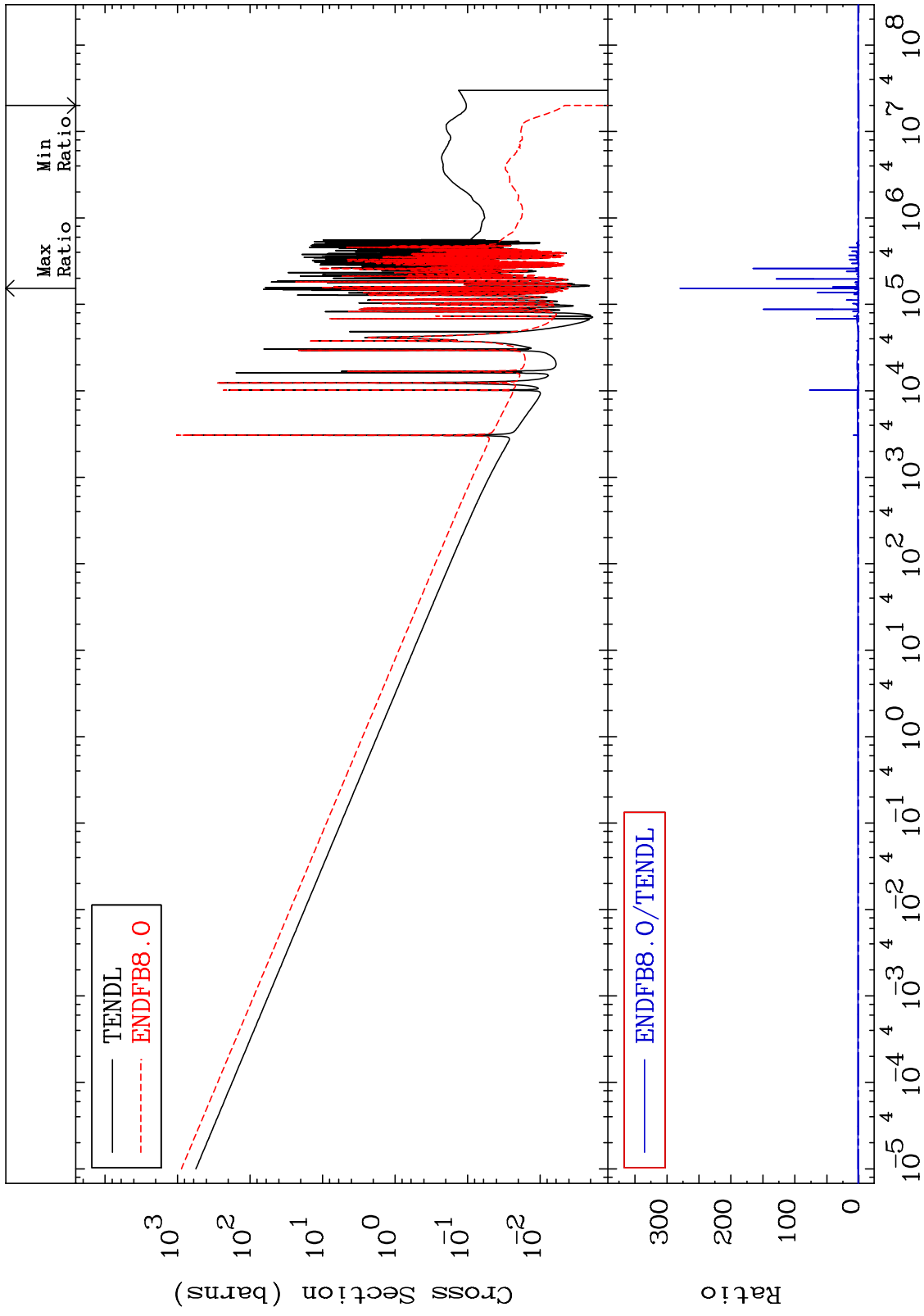
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma capture (mt102)
Cross Section

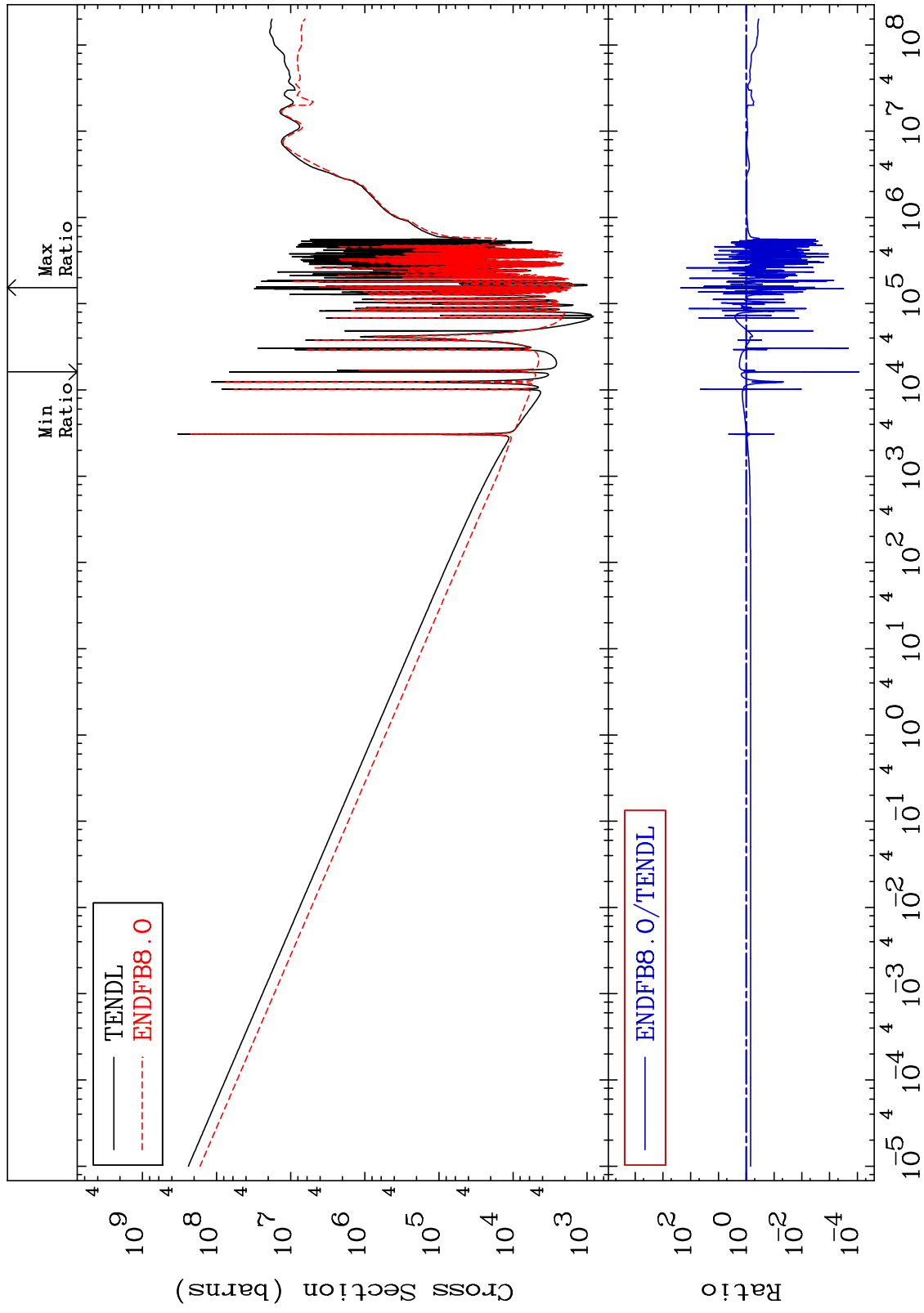
82-Pb-207
-100.0 To 9999. %



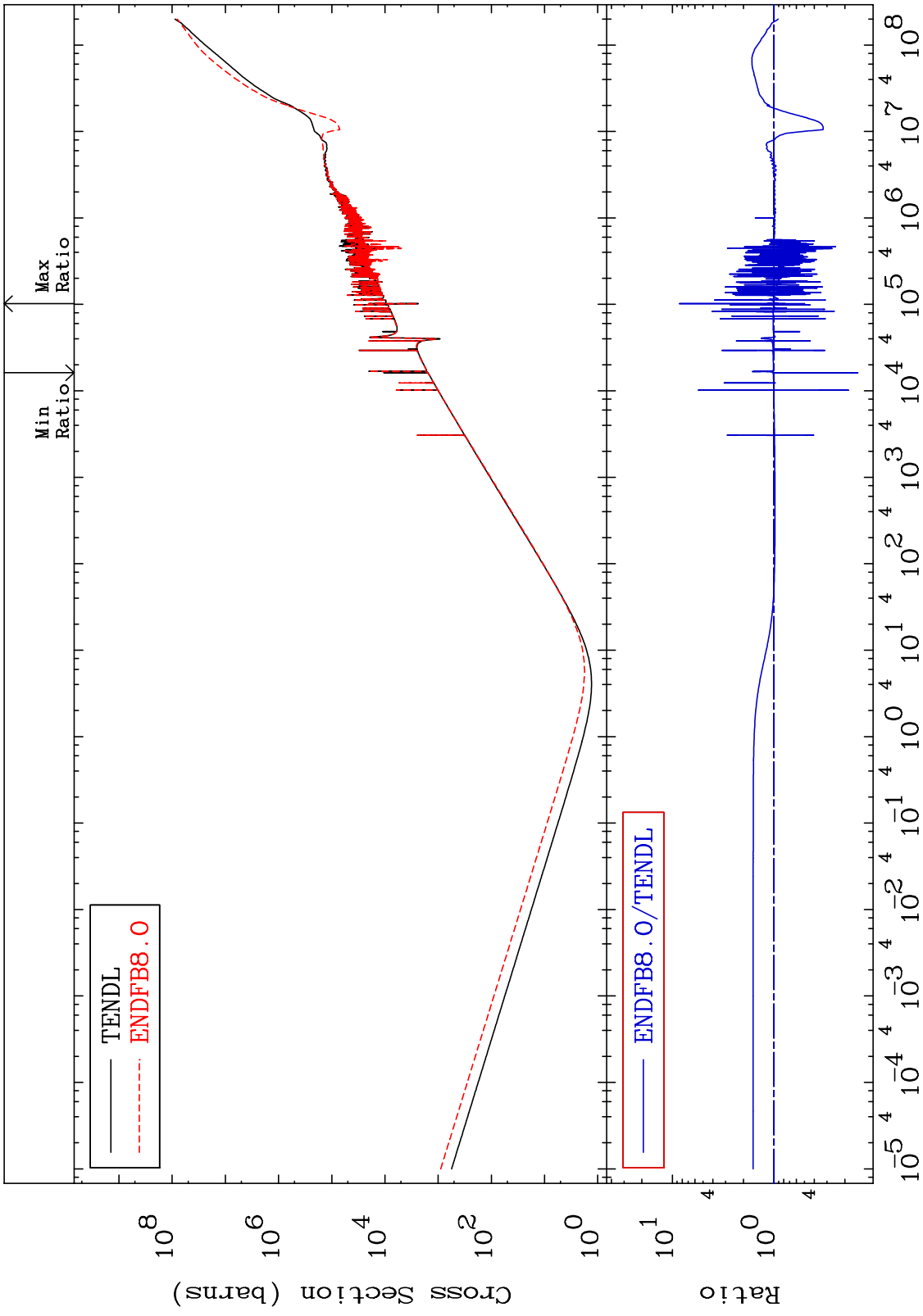
MAT 8234

Total photon (eV-barns)
Cross Section

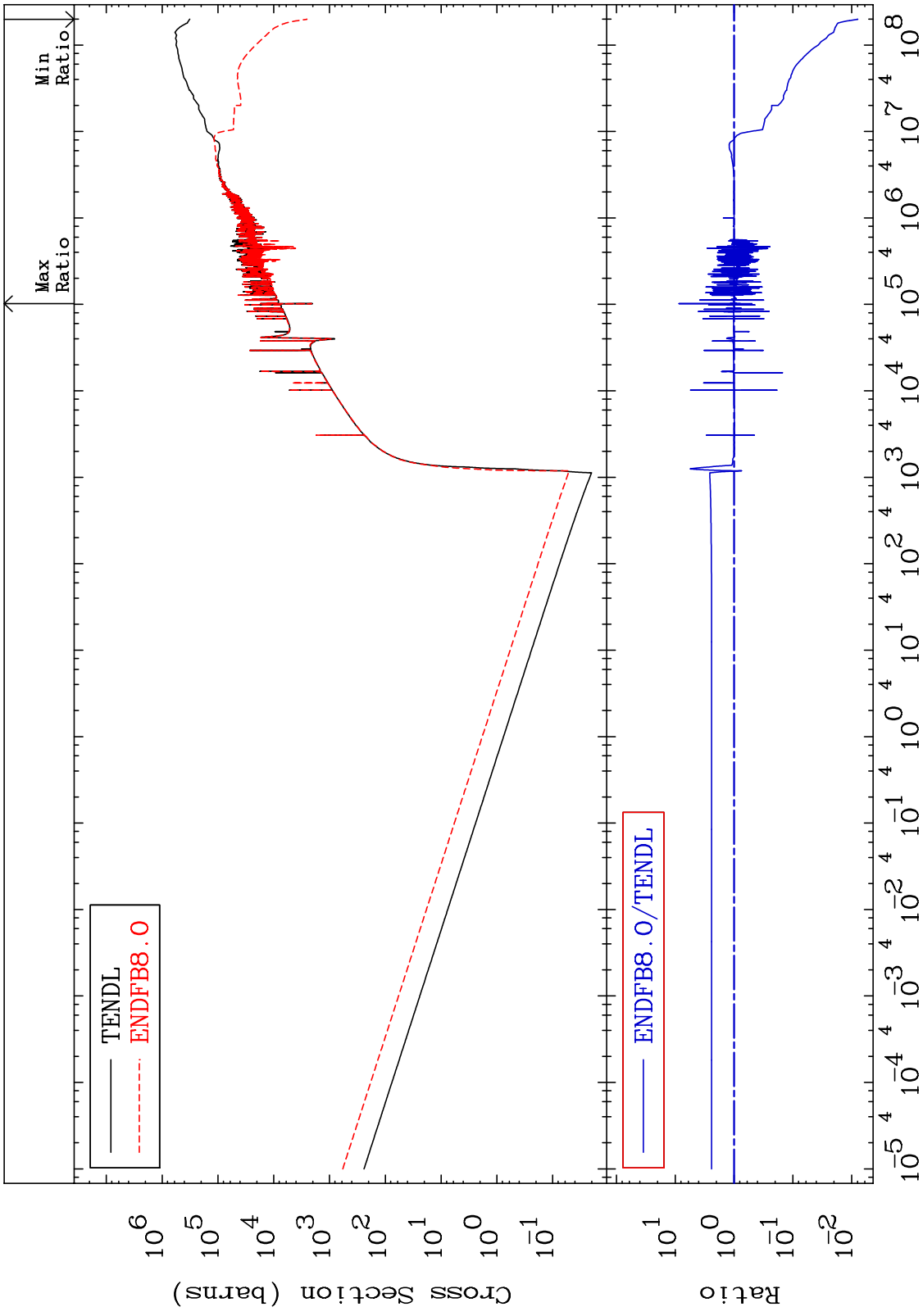
82-Pb-207
-99.99 To 9999. %



MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
 Cross Section -85.10 To 760.8 %



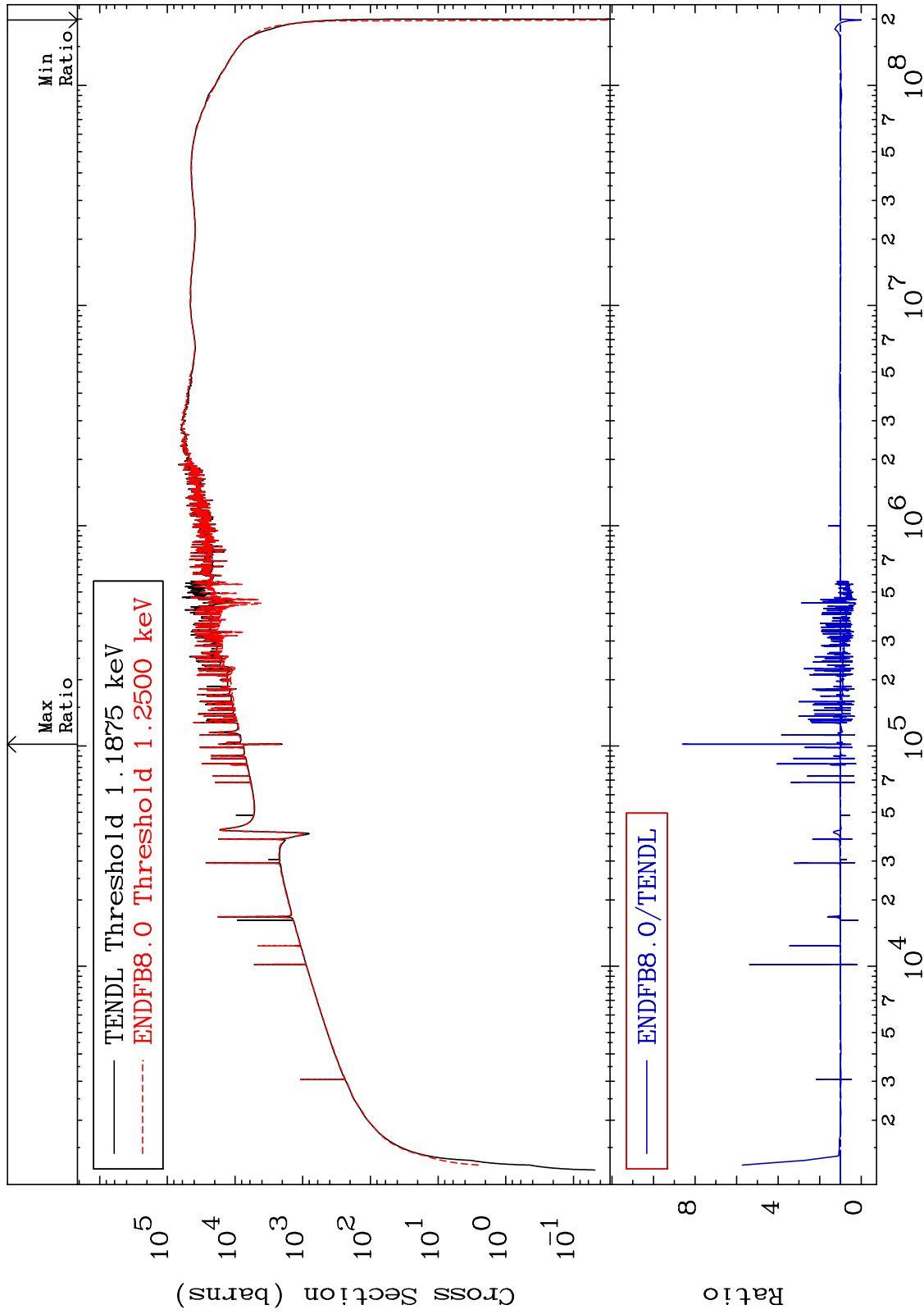
MAT 8234 Dpa total (eV-barns) 82-Pb-207
 Cross Section -99.21 To 760.9 %



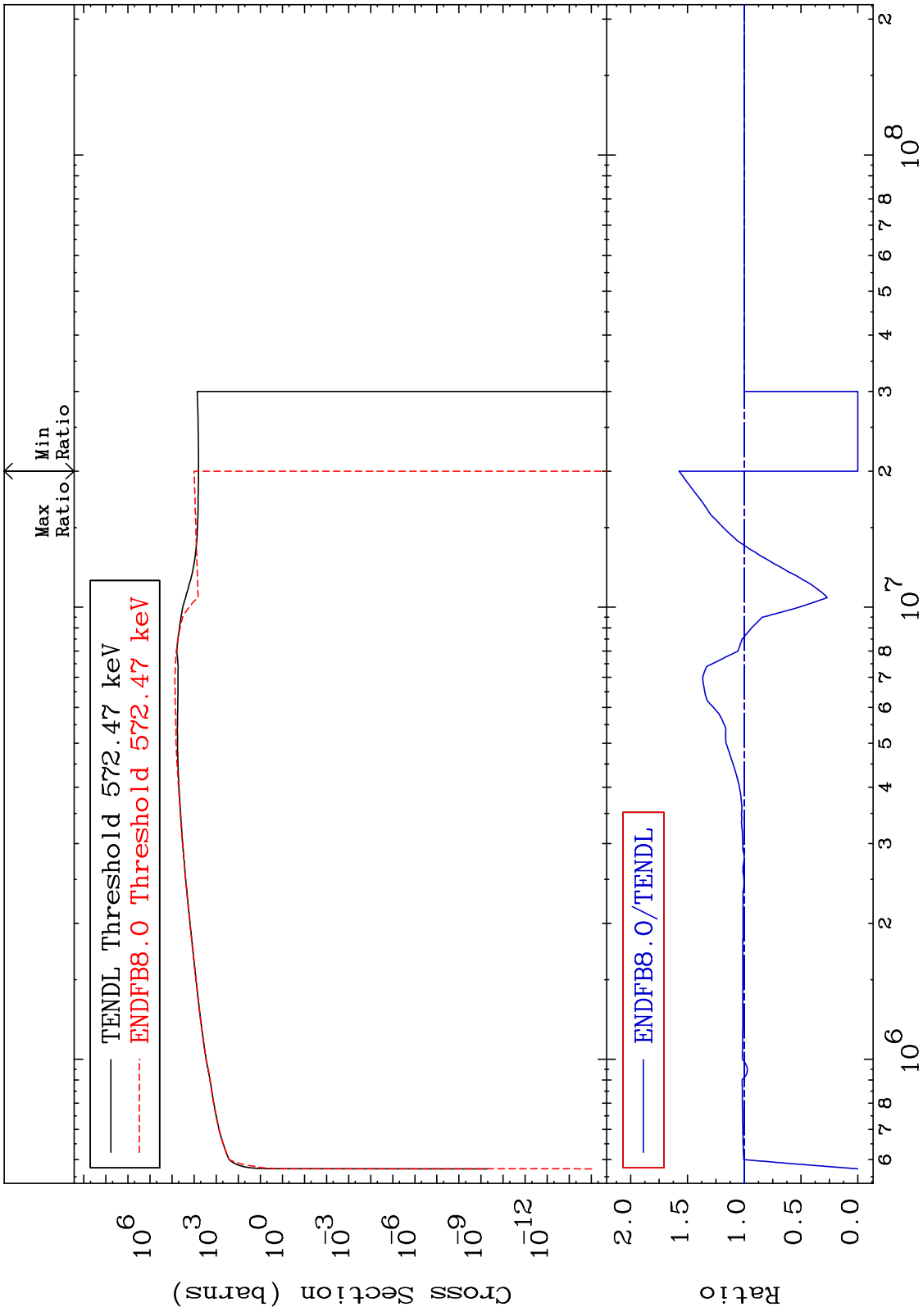
MAT 8234

Dpa elastic (mt2)
Cross Section

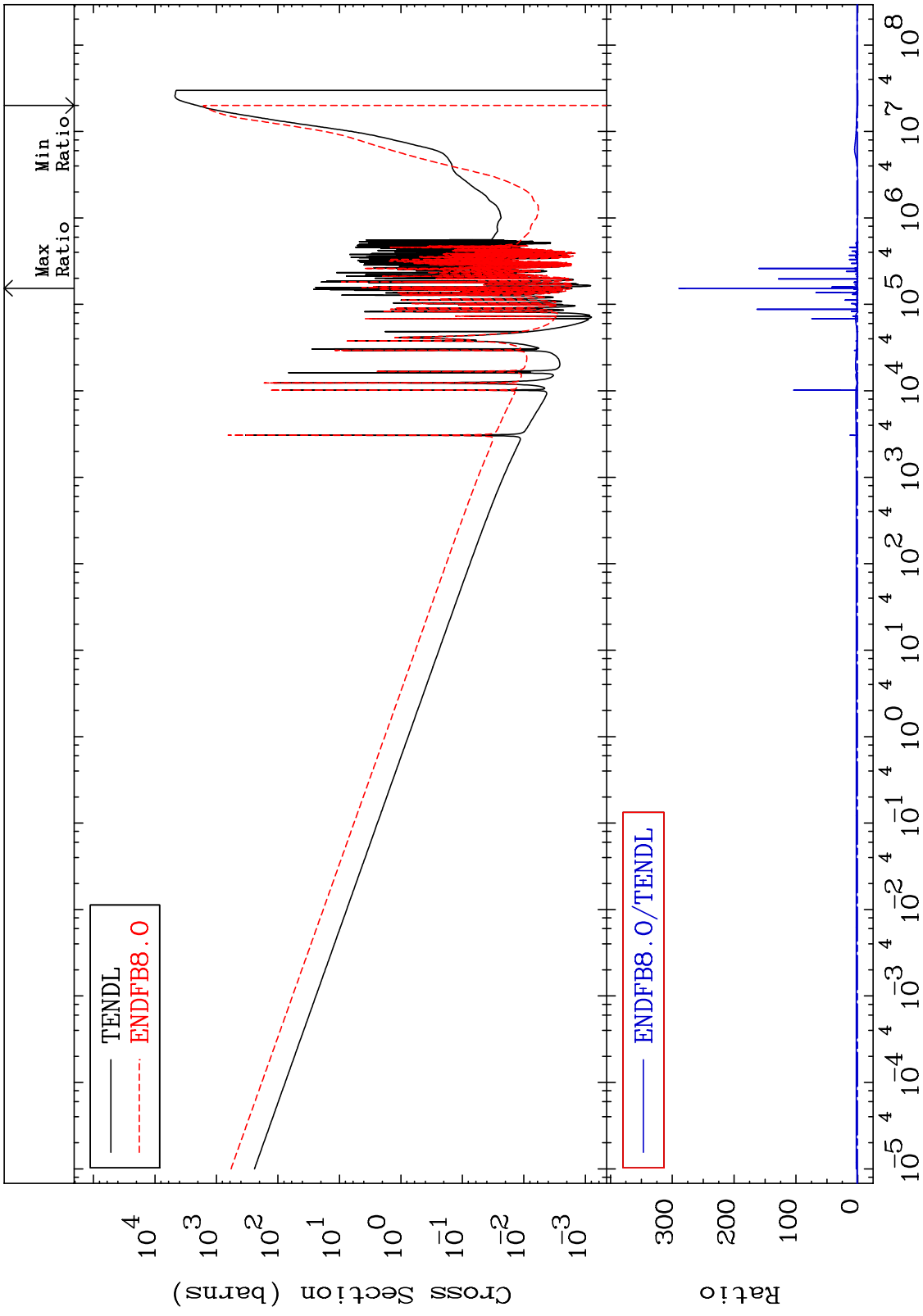
82-Pb-207
-100.0 To 760.9 %



MAT 8234 Dpa inelastic (mt51-91) 82-Pb-207
 Cross Section -100.0 To 57.44 %



MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
 Cross Section -100.0 To 9999. %

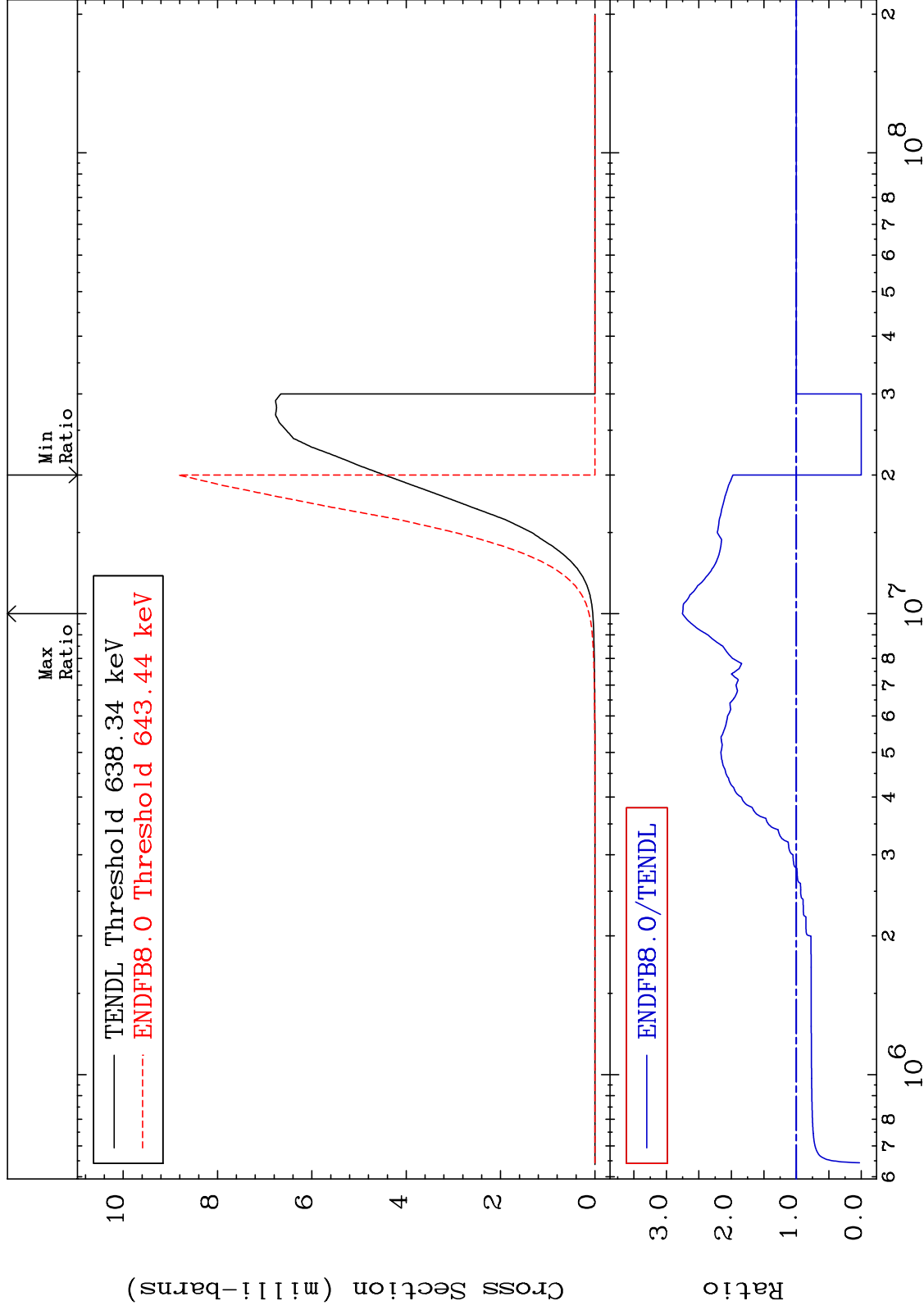


MAT 8234

(n,p):81-Tl-207g

82-Pb-207

Radionuclide Production Cross Section -100.0 To 175.3 %



MAT 8234 (n,p):81-Tl-207m2 82-Pb-207
 Radionuclide Production Cross Section -100.0 To 764.2 %

