

Program Complot
(Version 2018-1)

by

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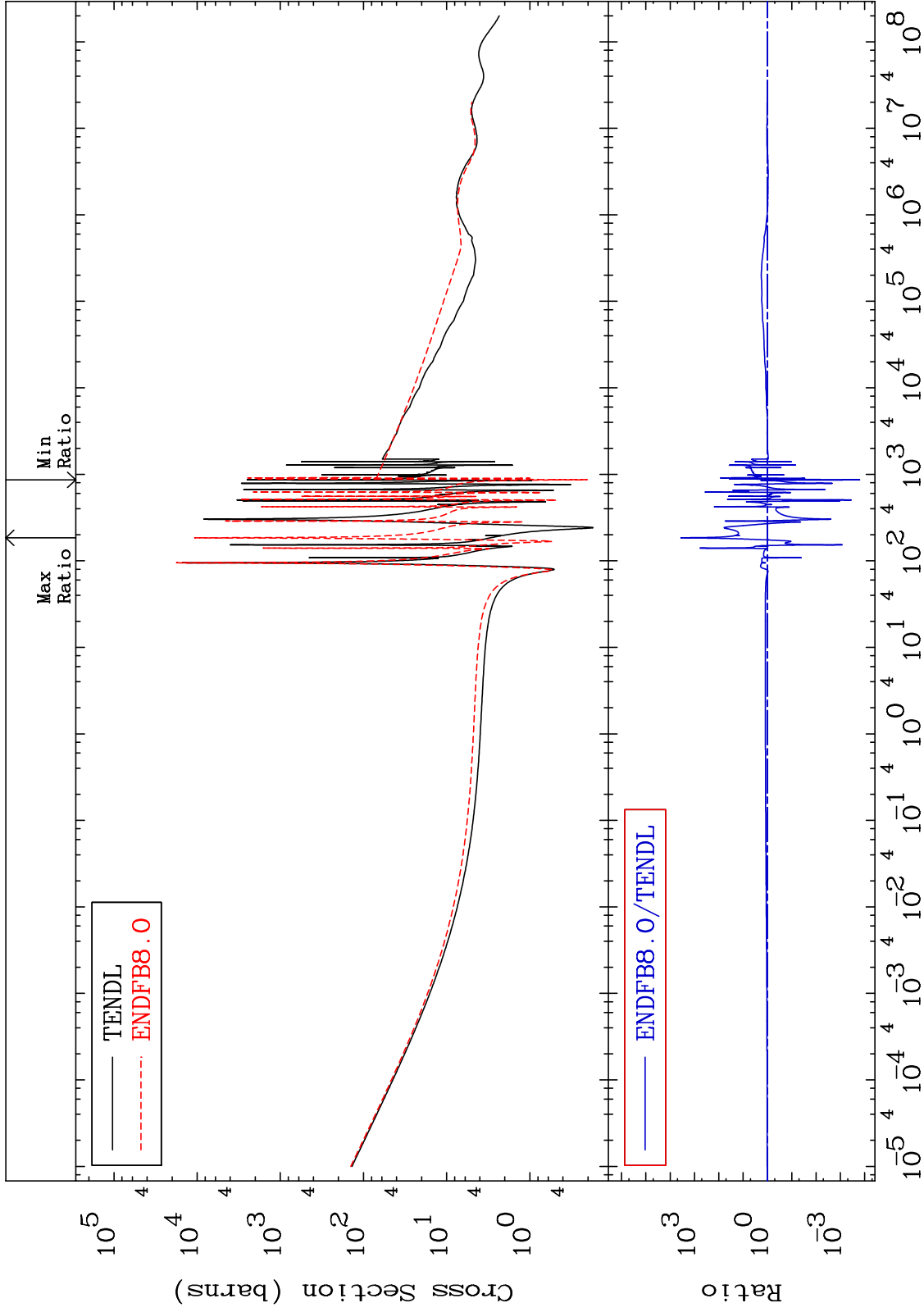
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6237

Total
Cross Section

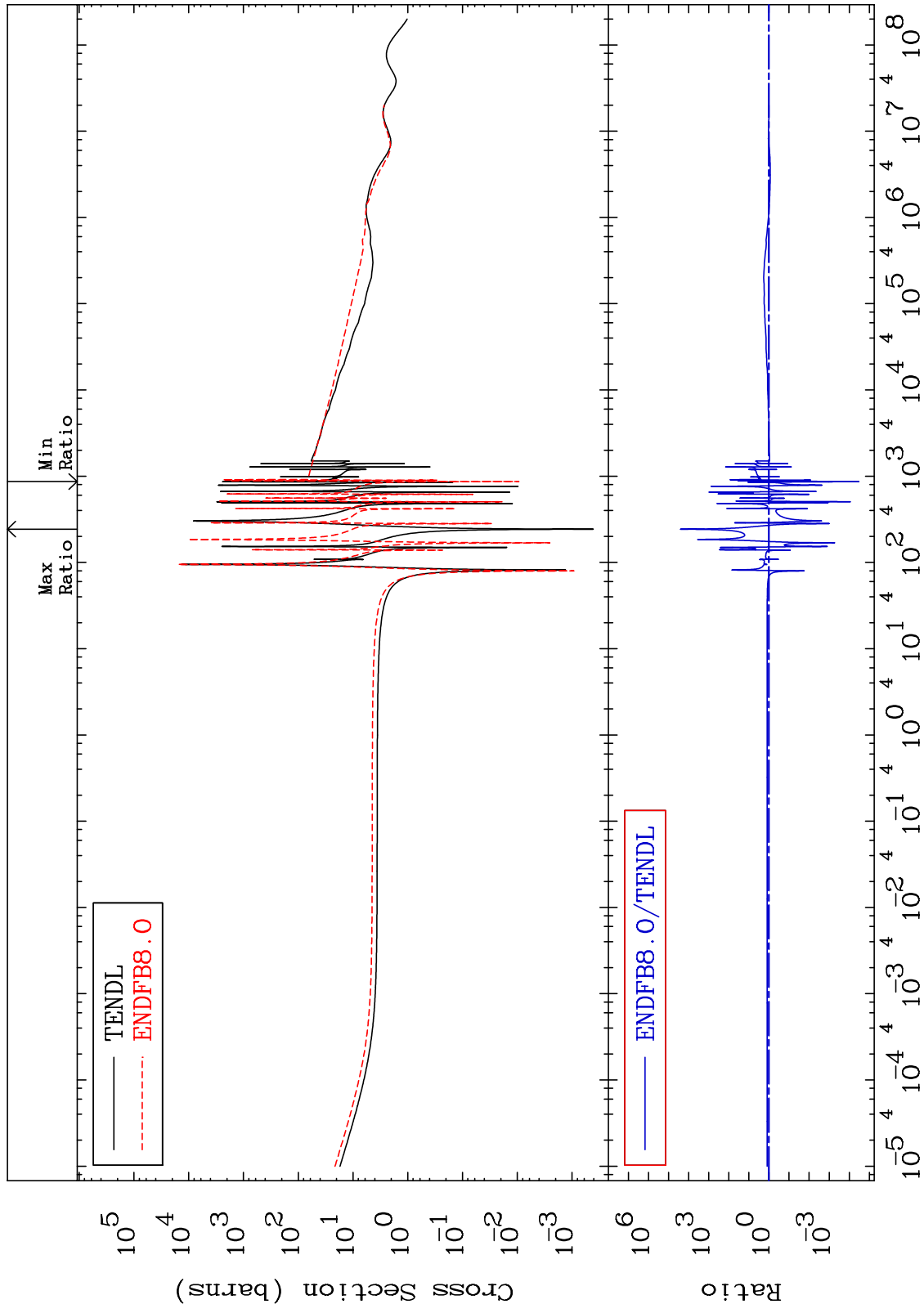
62-Sm-148
-99.98 To 9999. %



MAT 6237

Elastic
Cross Section

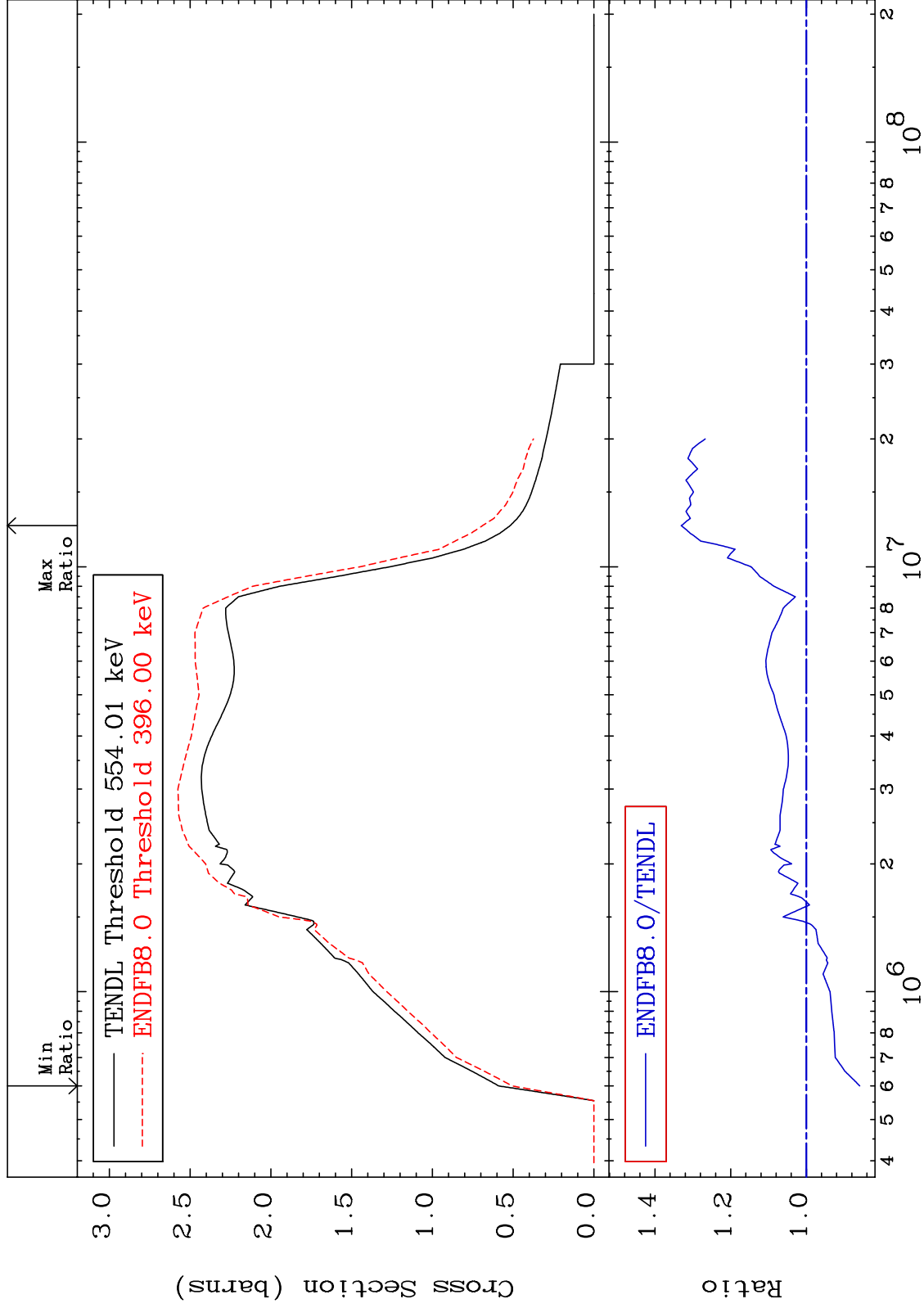
62-Sm-148
-100.0 To 9999. %



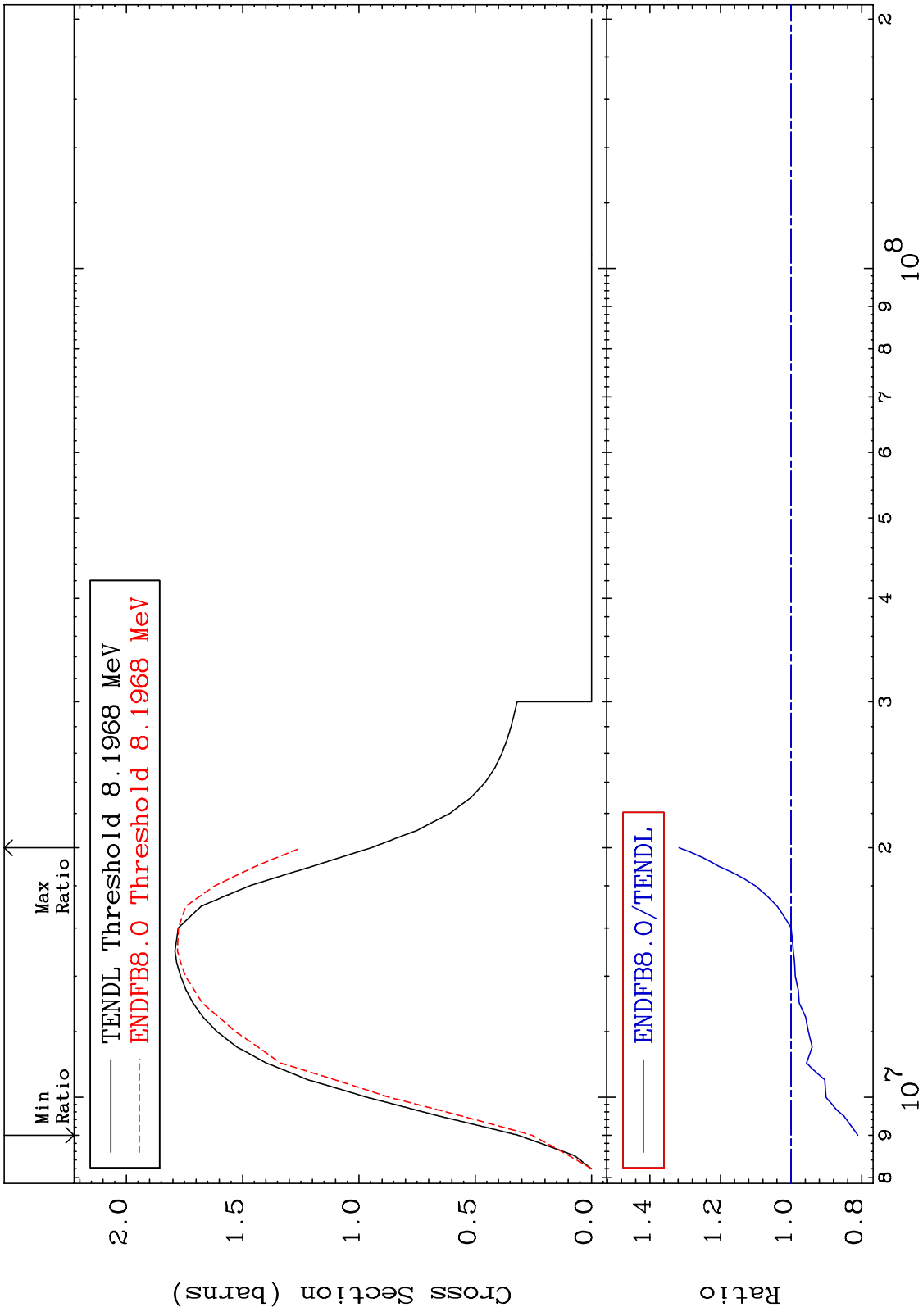
MAT 6237

Inelastic
Cross Section

62-Sm-148
-14.11 To 33.07 %

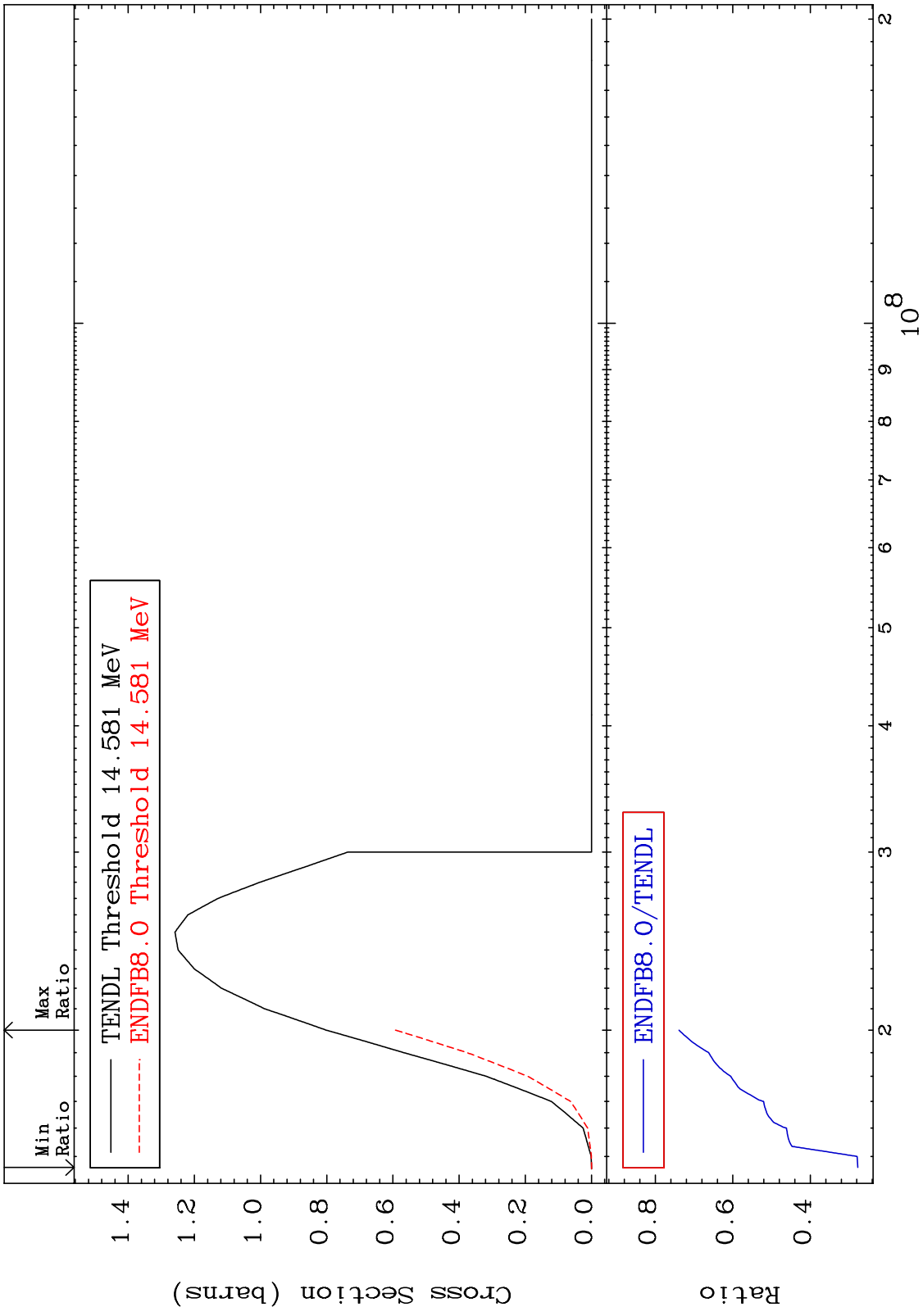


MAT 6237 (n,2n) Cross Section 62-Sm-148 -18.88 To 31.72 %



4 62-Sm-148

MAT 6237 (n,3n) Cross Section 62-Sm-148 -72.27 To -26.11%



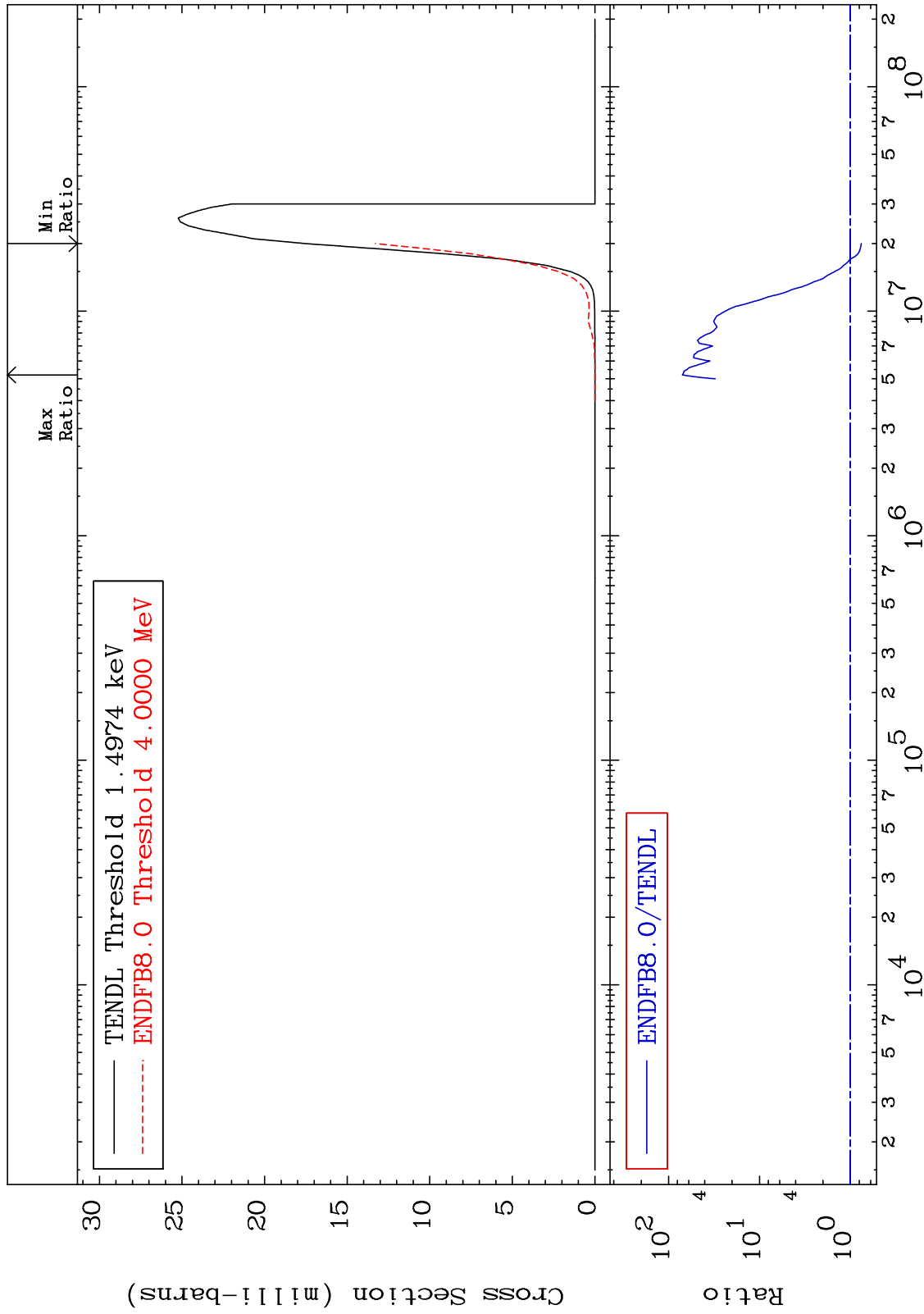
MAT 6237

(n, n') α

62-Sm-148

Cross Section

-24.13 To 6931. %



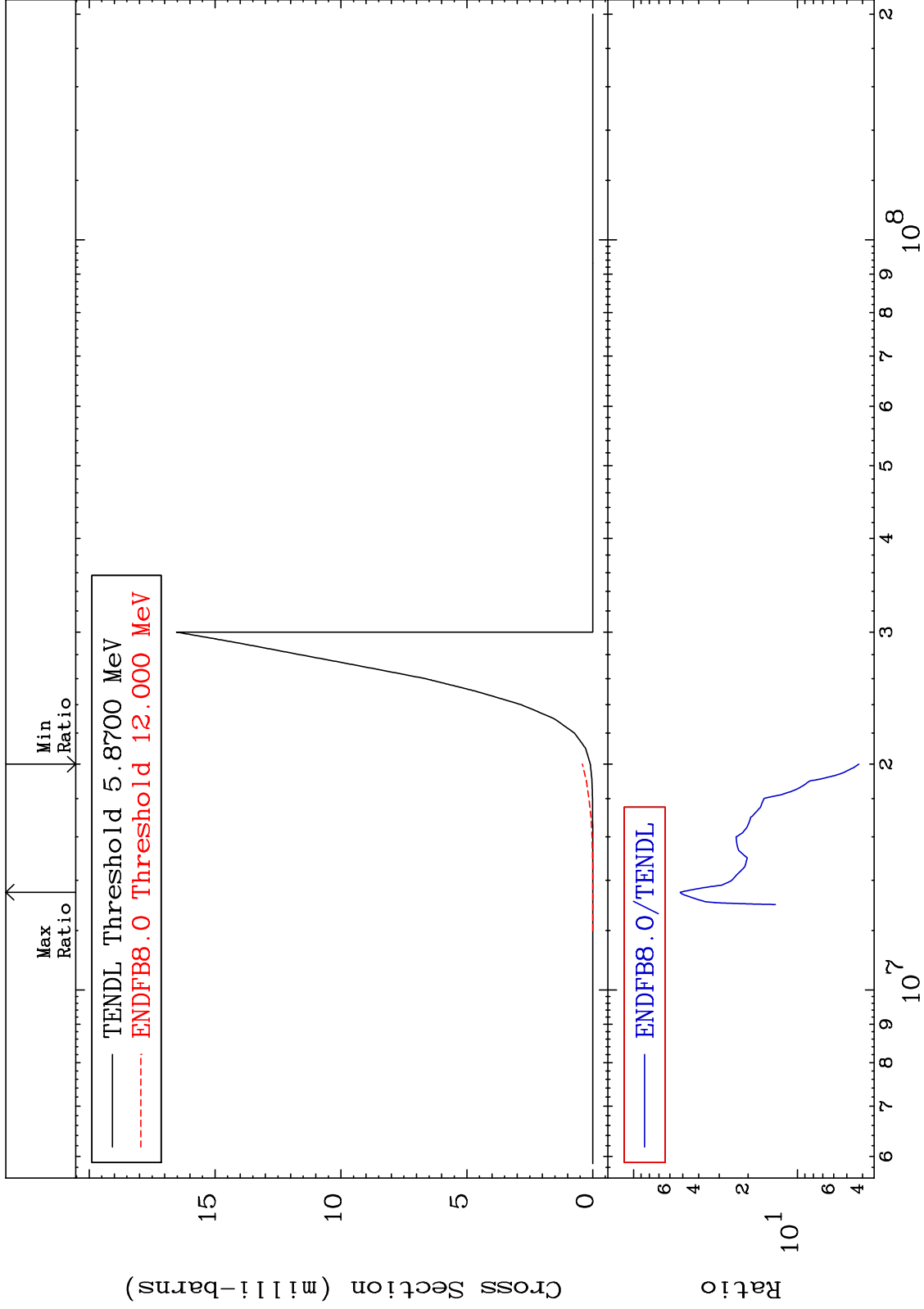
MAT 6237

(n,2n) α

62-Sm-148

Cross Section

321.7 To 5090. %



7

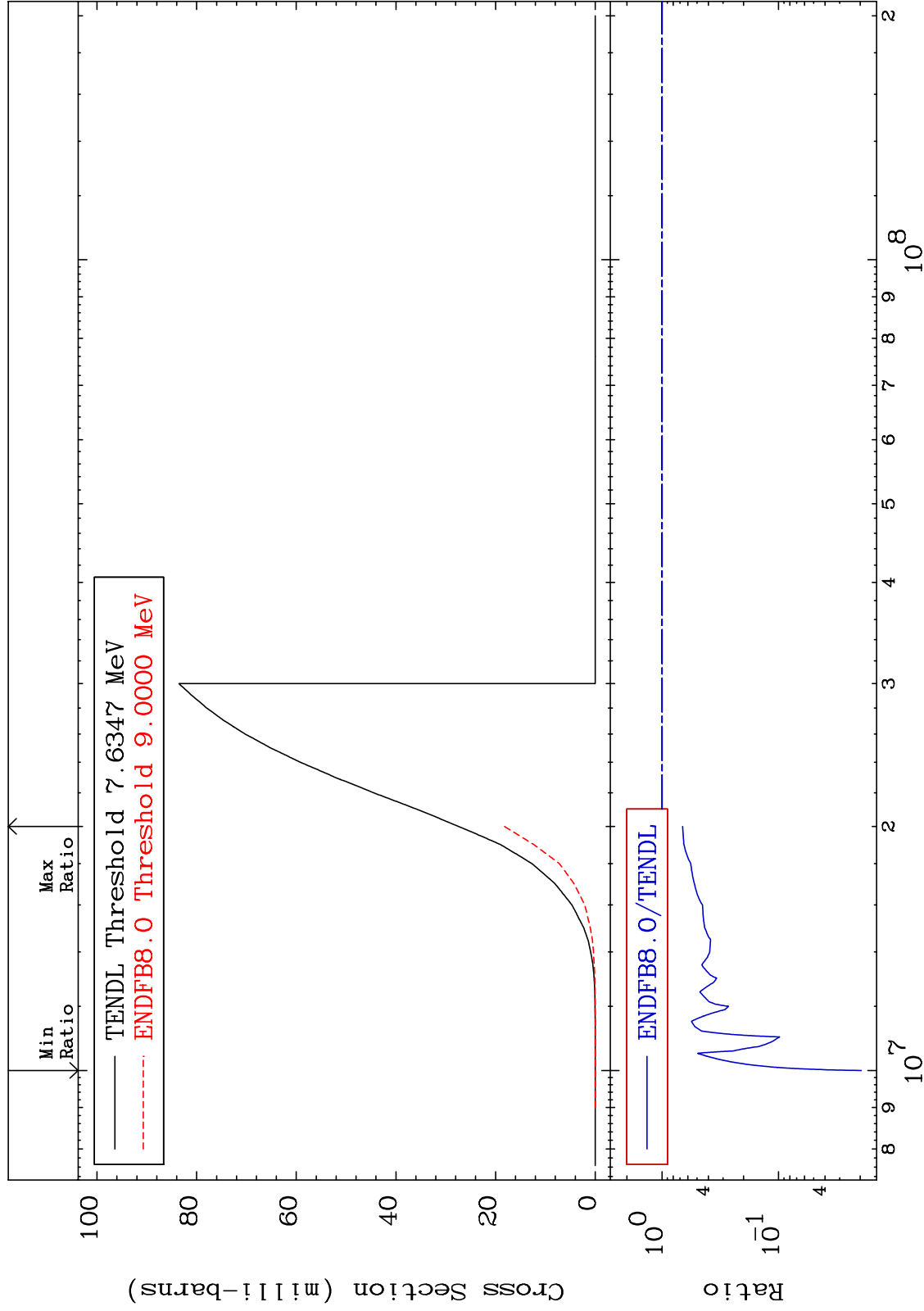
Incident Energy (eV)

62-Sm-148

MAT 6237

(n,n') p
Cross Section

62-Sm-148
-98.05 To -33.54%

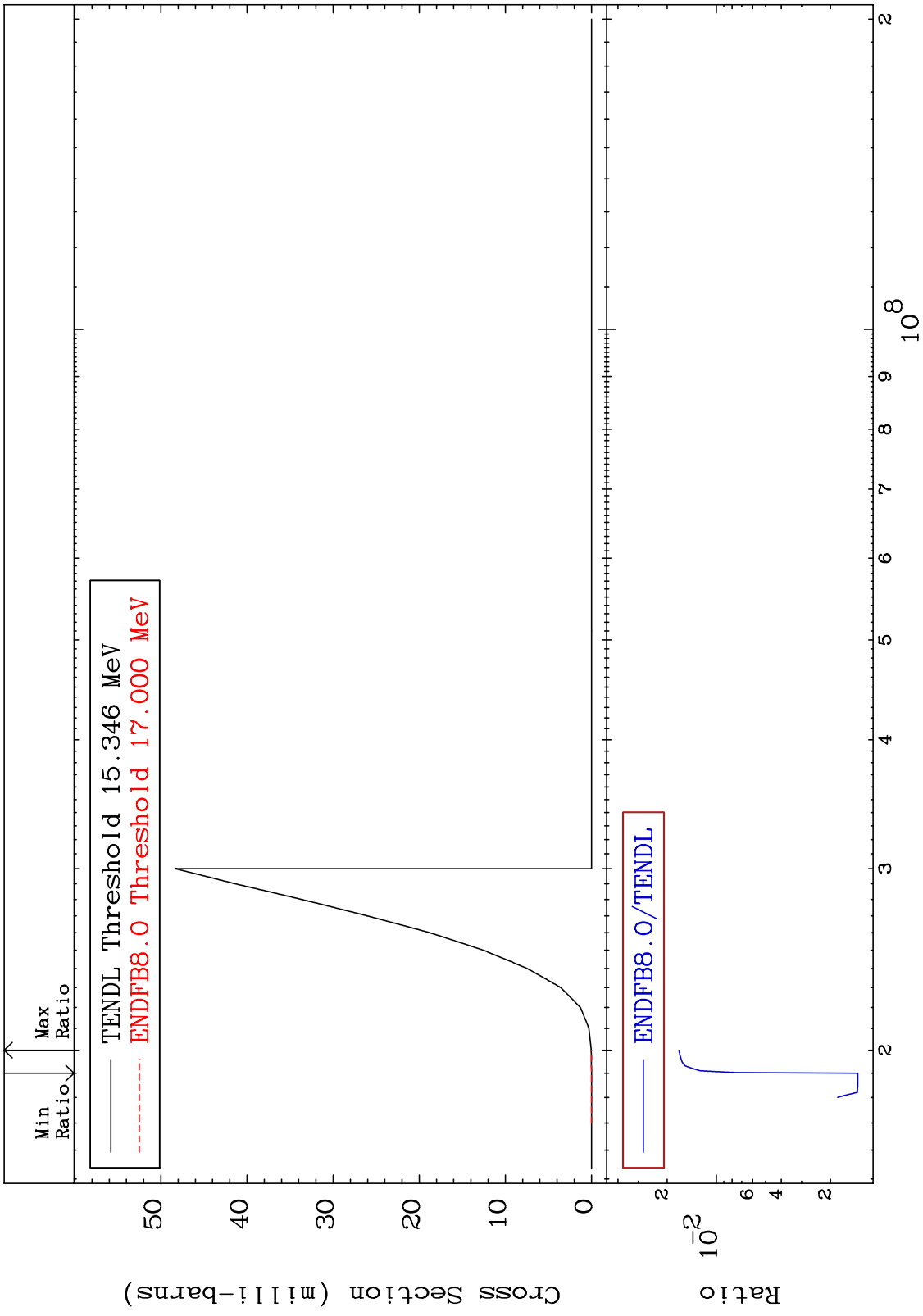


8

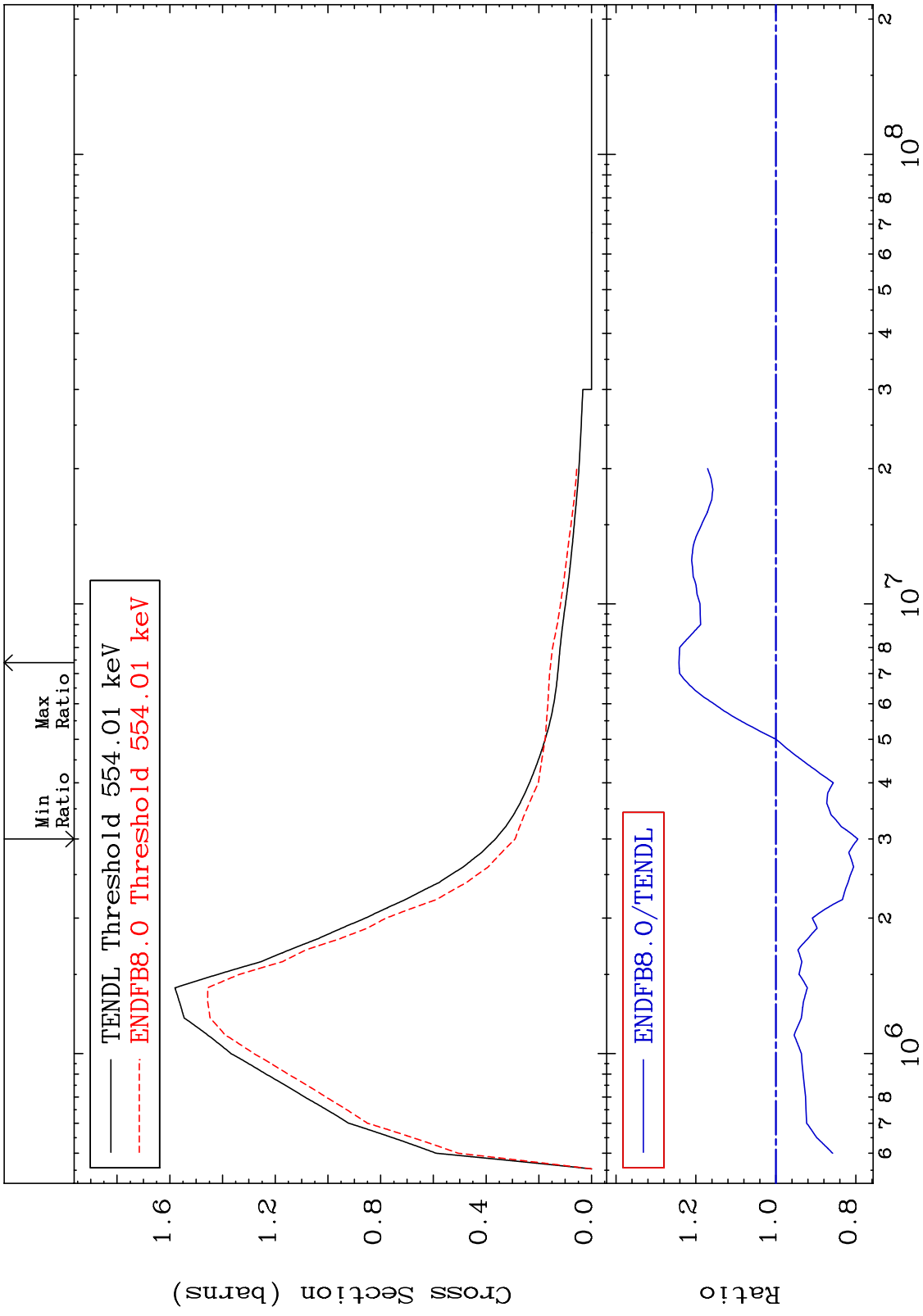
Incident Energy (eV)

62-Sm-148

MAT 6237 (n,2n) p 62-Sm-148
 Cross Section -99.86 To -98.31%

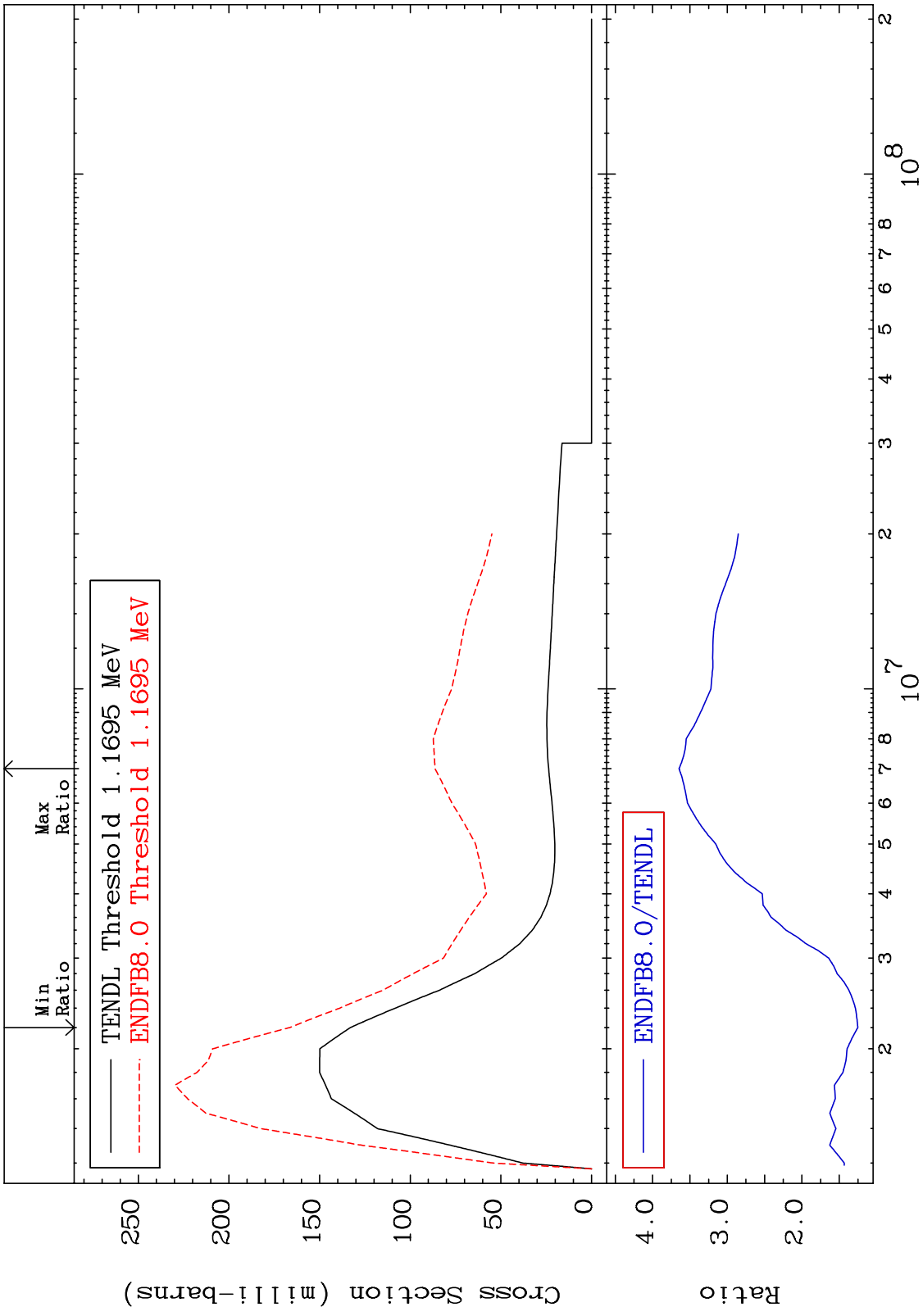


MAT 6237 MT= 51 (n,n') Level Cross Section 62-Sm-148
 -20.48 To 24.22 %

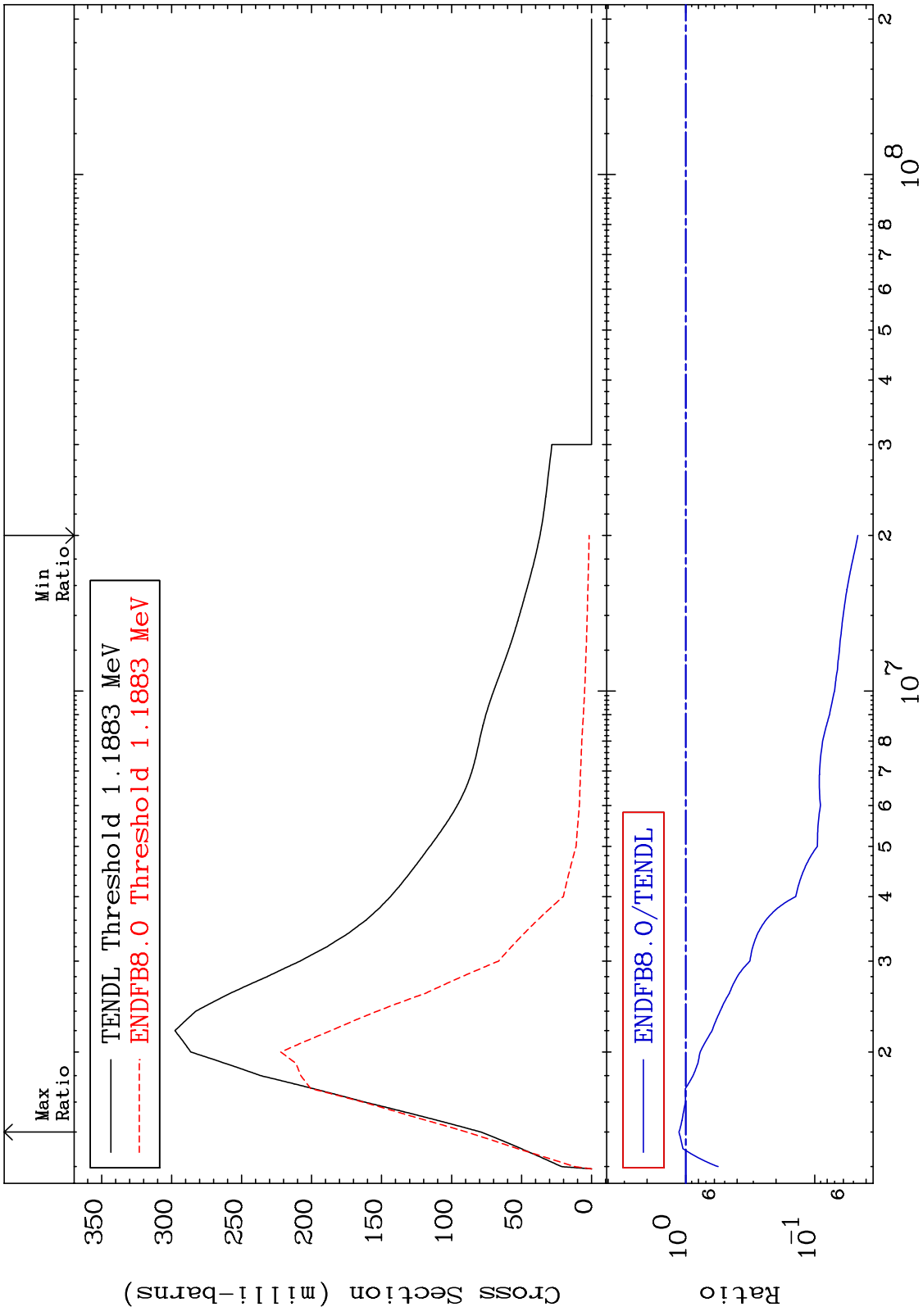


10 Incident Energy (eV) 62-Sm-148

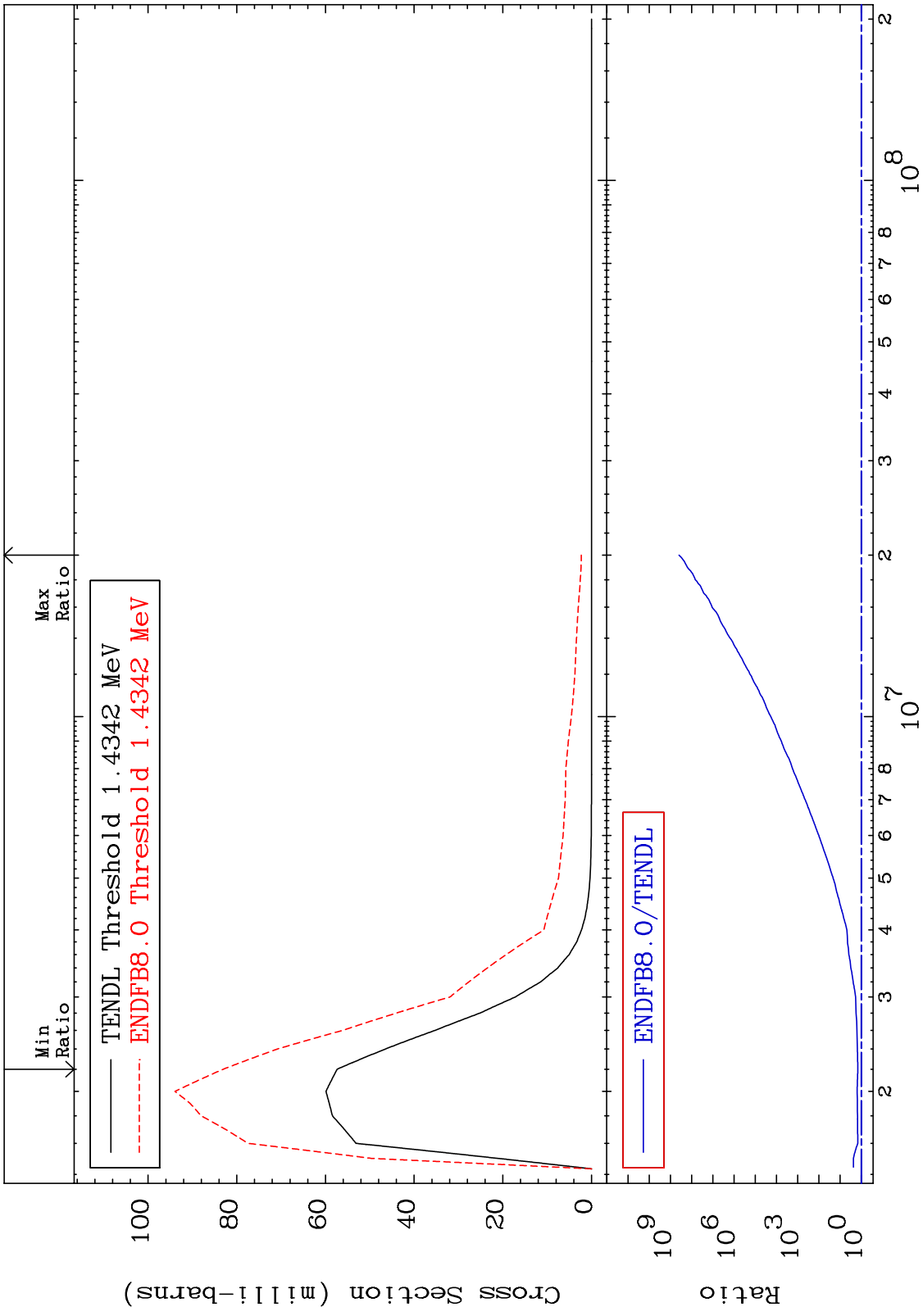
MAT 6237 MT= 52 (n,n') Level Cross Section 62-Sm-148 25.12 To 264.6 %



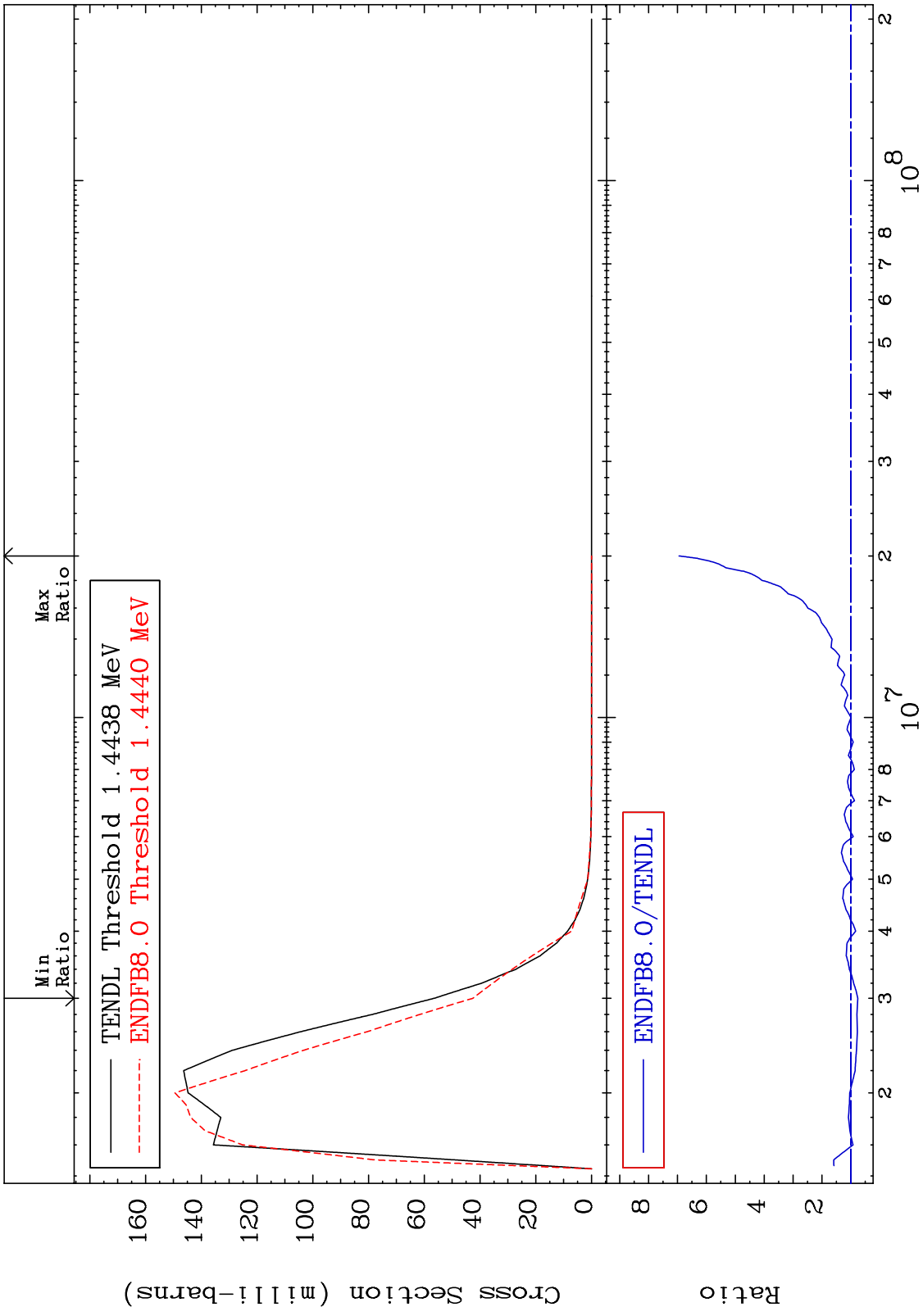
MAT 6237 MT= 53 (n,n') Level Cross Section 62-Sm-148 -95.37 To 12.93 %



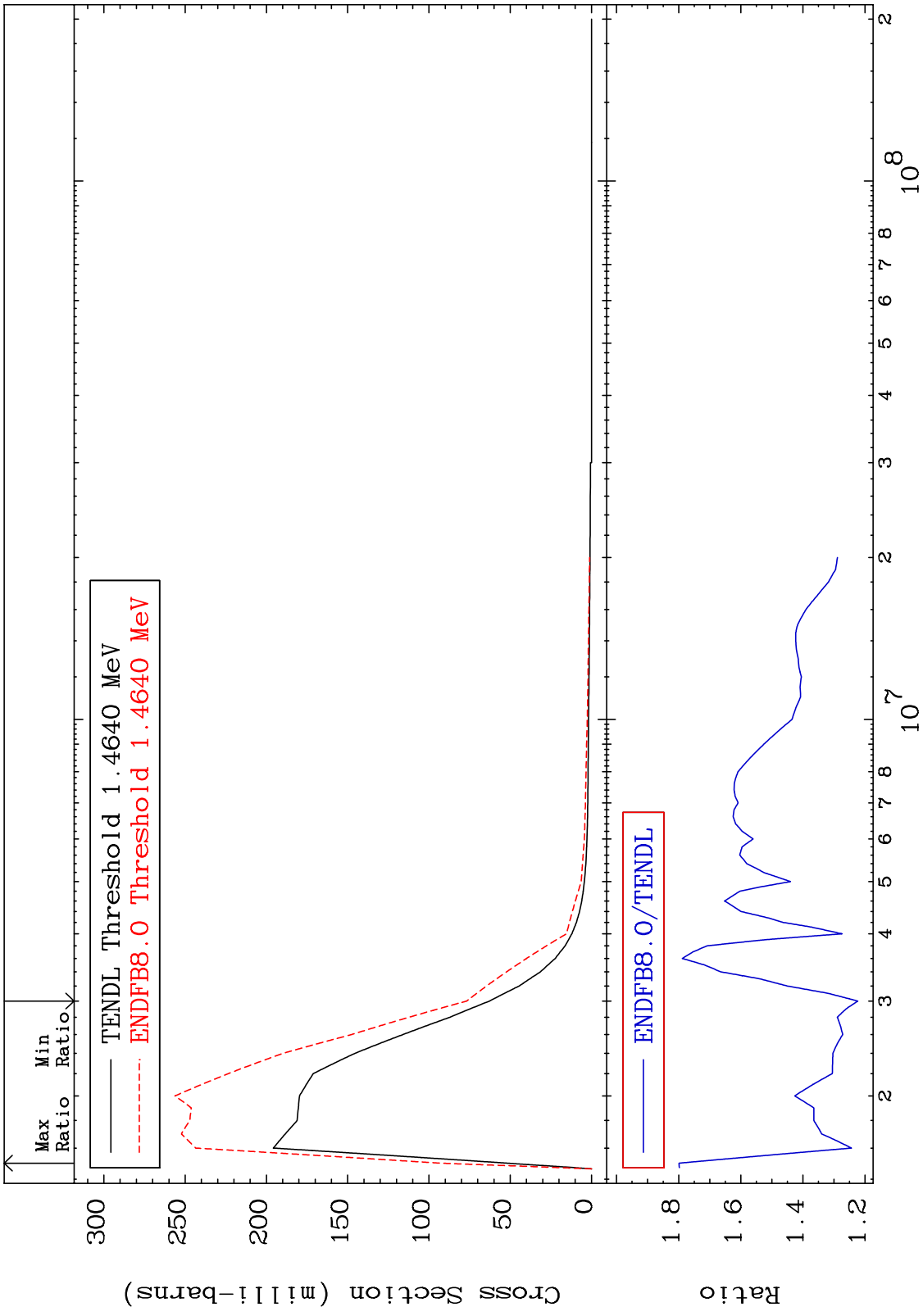
MAT 6237 MT= 54 (n,n') Level Cross Section 62-Sm-148 To 9999. %
 44.80



MAT 6237 MT= 55 (n,n') Level Cross Section 62-Sm-148
 -24.61 To 594.8 %



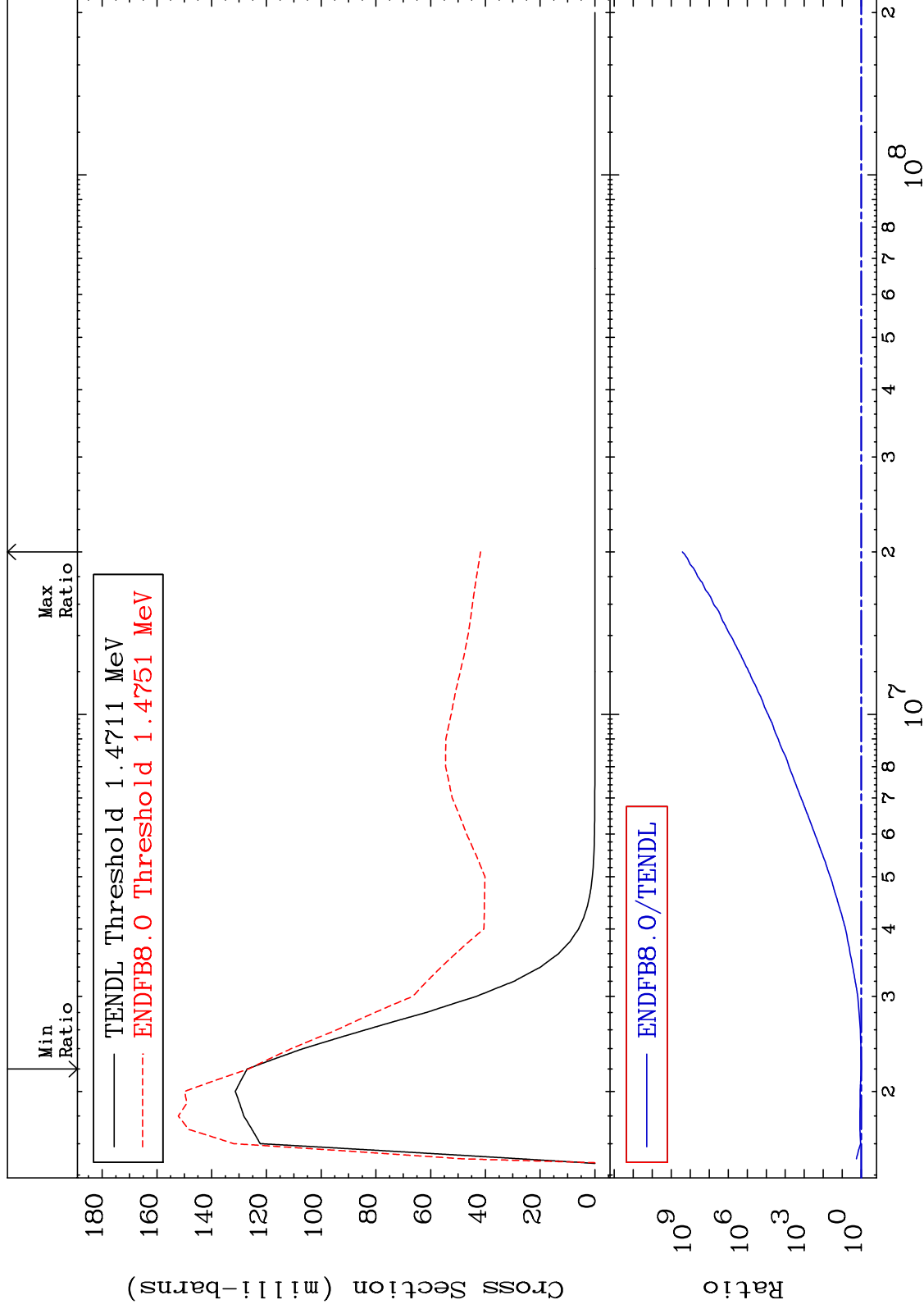
MAT 6237 MT= 56 (n,n') Level Cross Section 62-Sm-148 22.34 To 79.88 %



MAT 6237

MT= 57 (n,n') Level
Cross Section

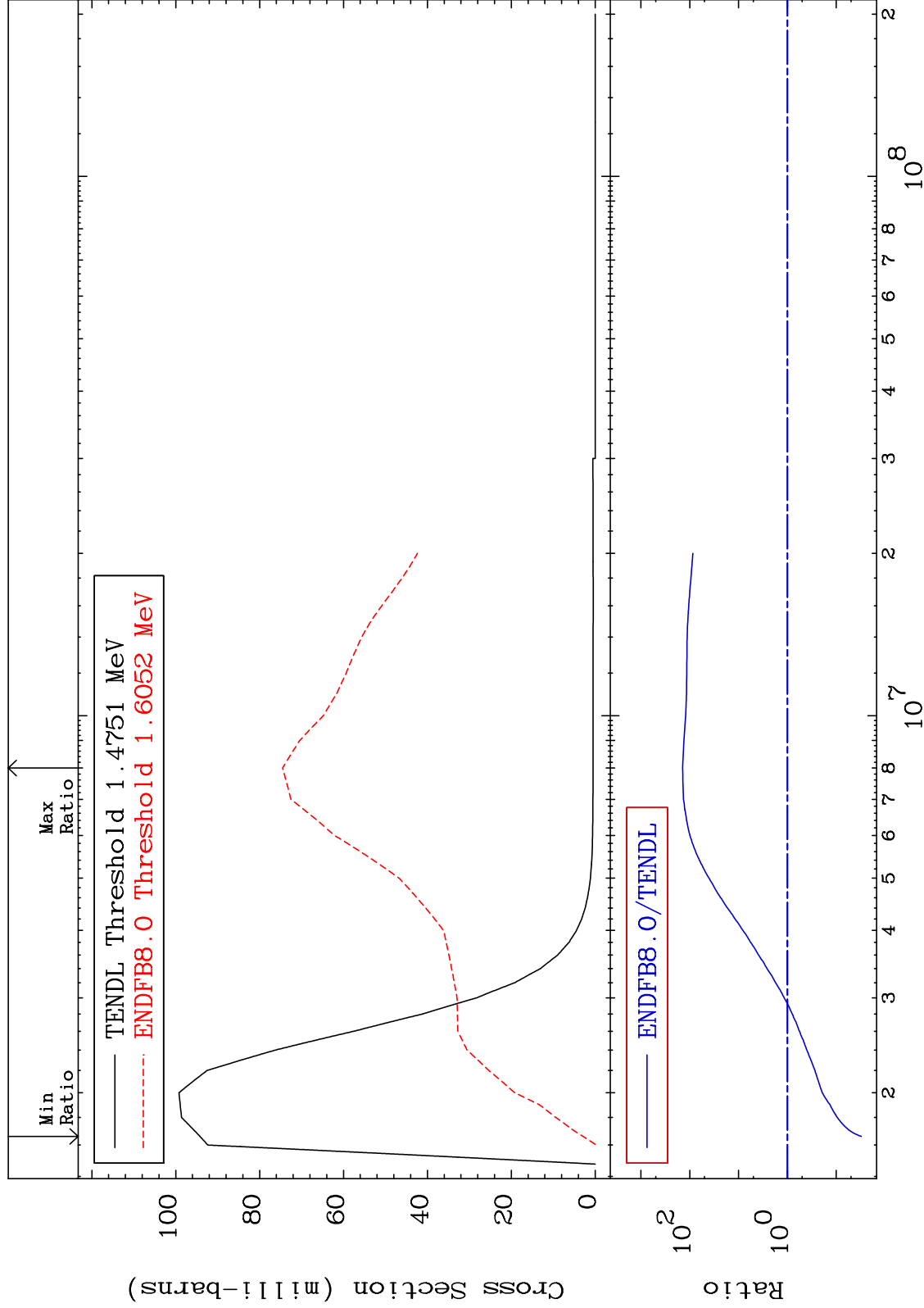
62-Sm-148
-0.368 To 9999. %



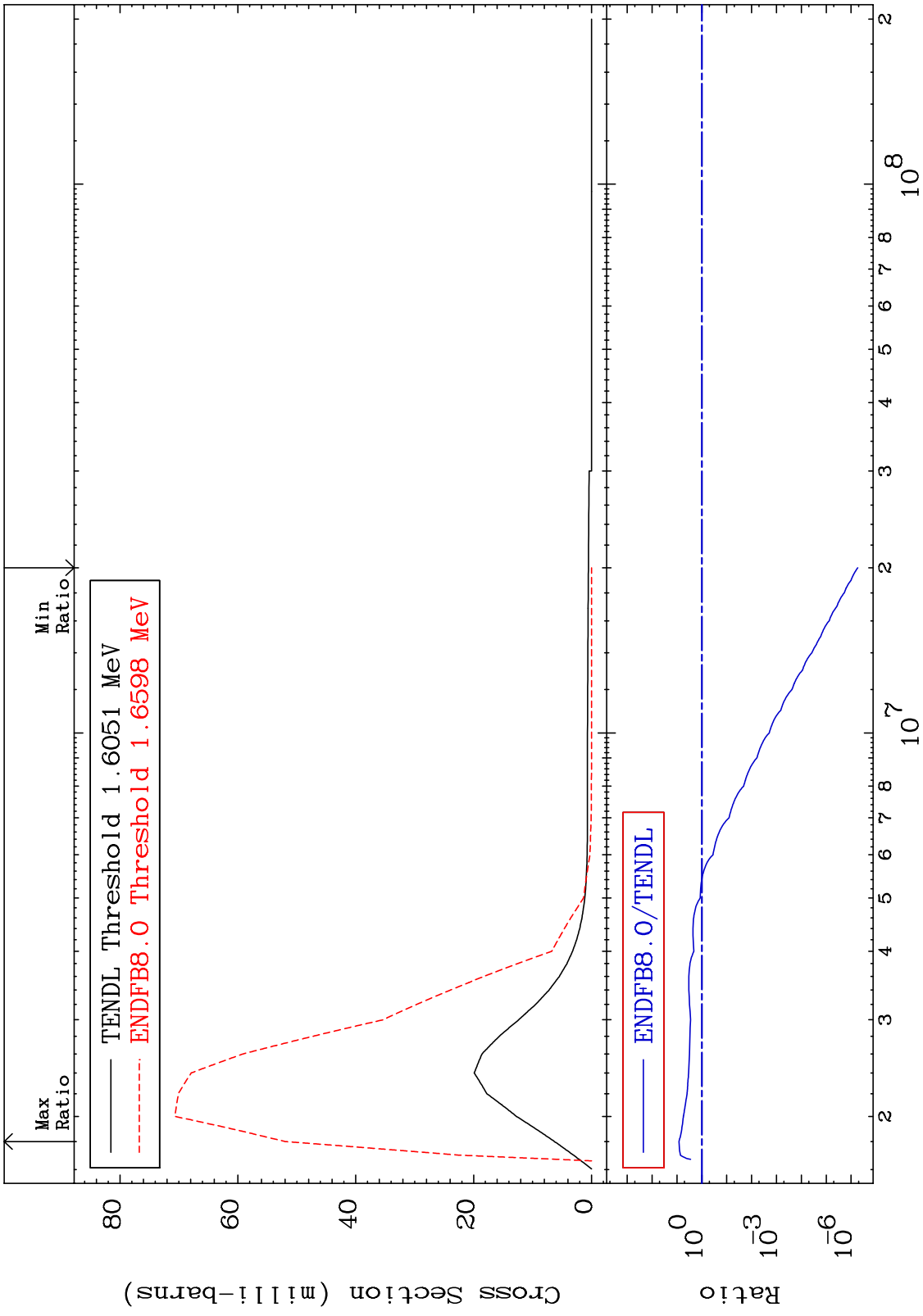
MAT 6237

MT= 58 (n,n') Level
Cross Section

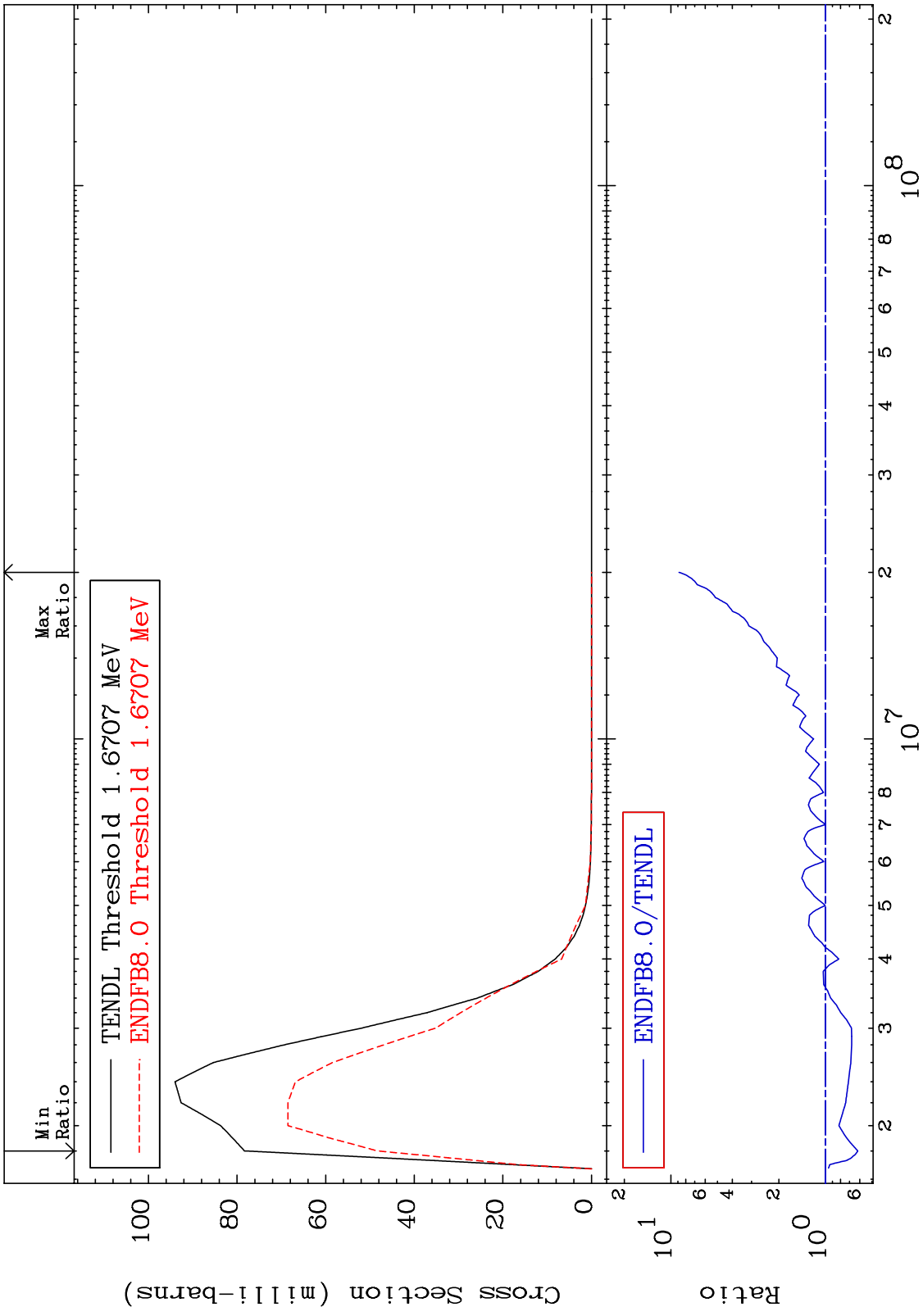
62-Sm-148
-96.93 To 9999. %



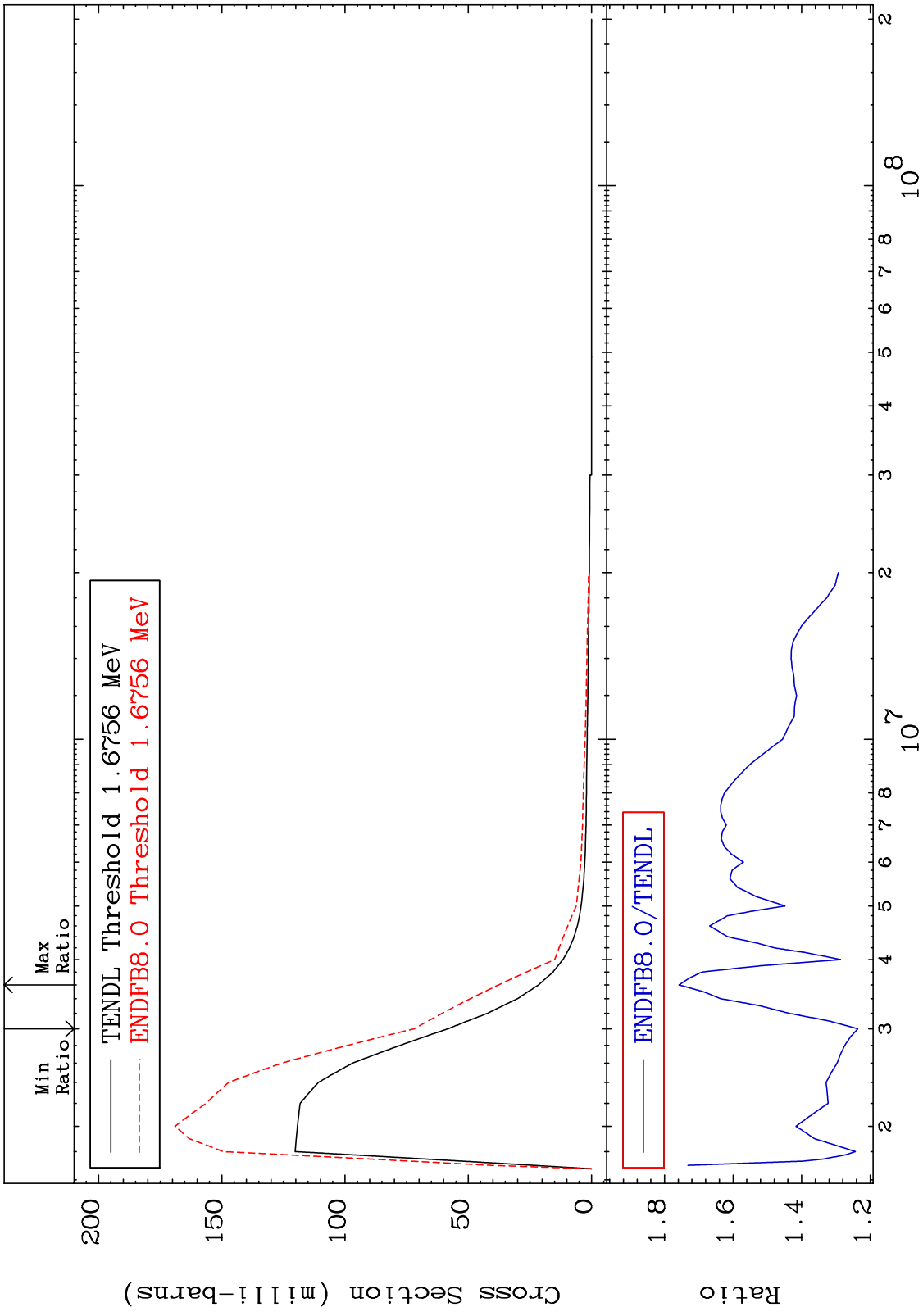
MAT 6237 MT= 59 (n,n') Level Cross Section 62-Sm-148
 -100.0 To 726.7 %



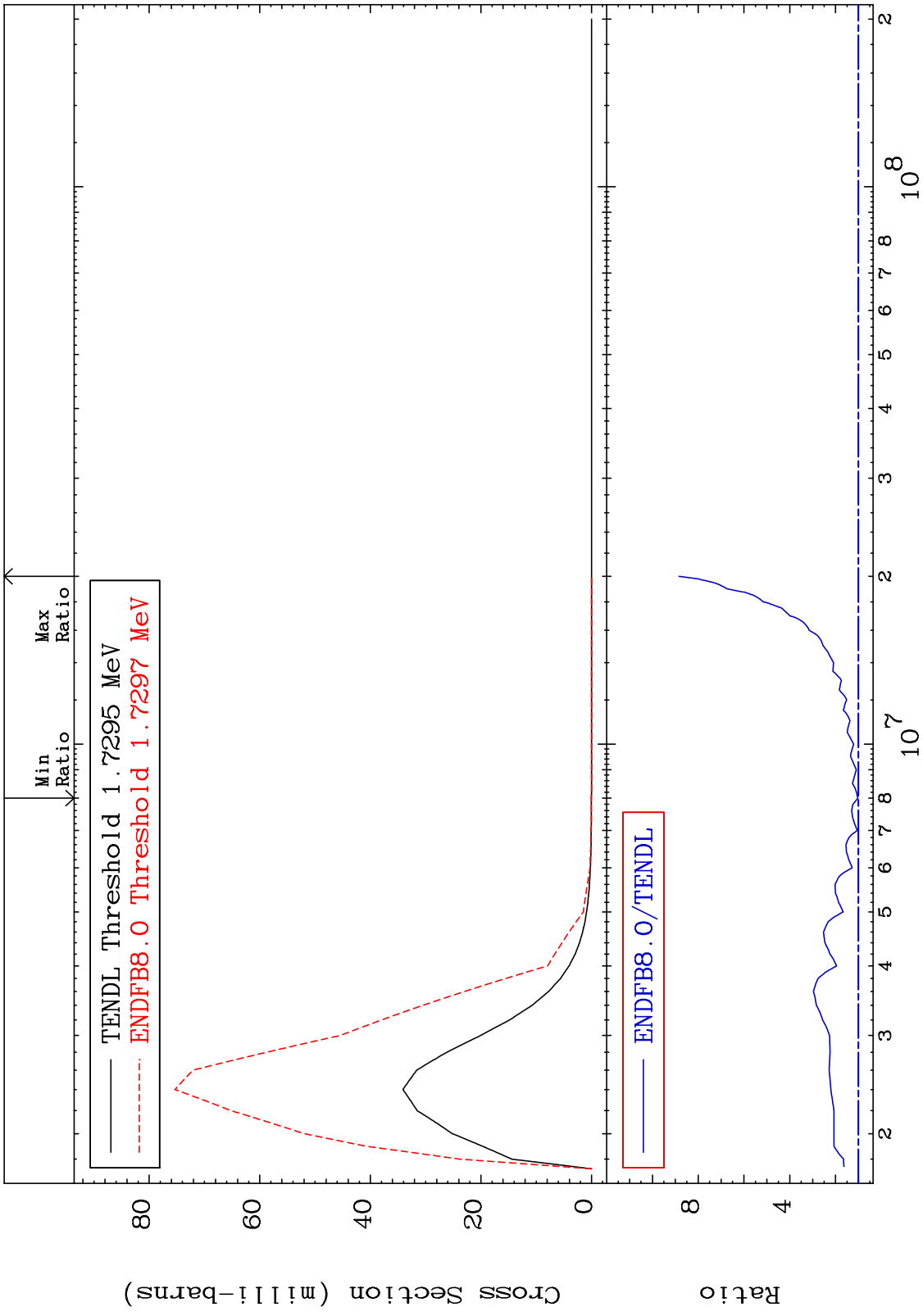
MAT 6237 MT= 60 (n,n') Level Cross Section 62-Sm-148
 -38.27 To 784.5 %



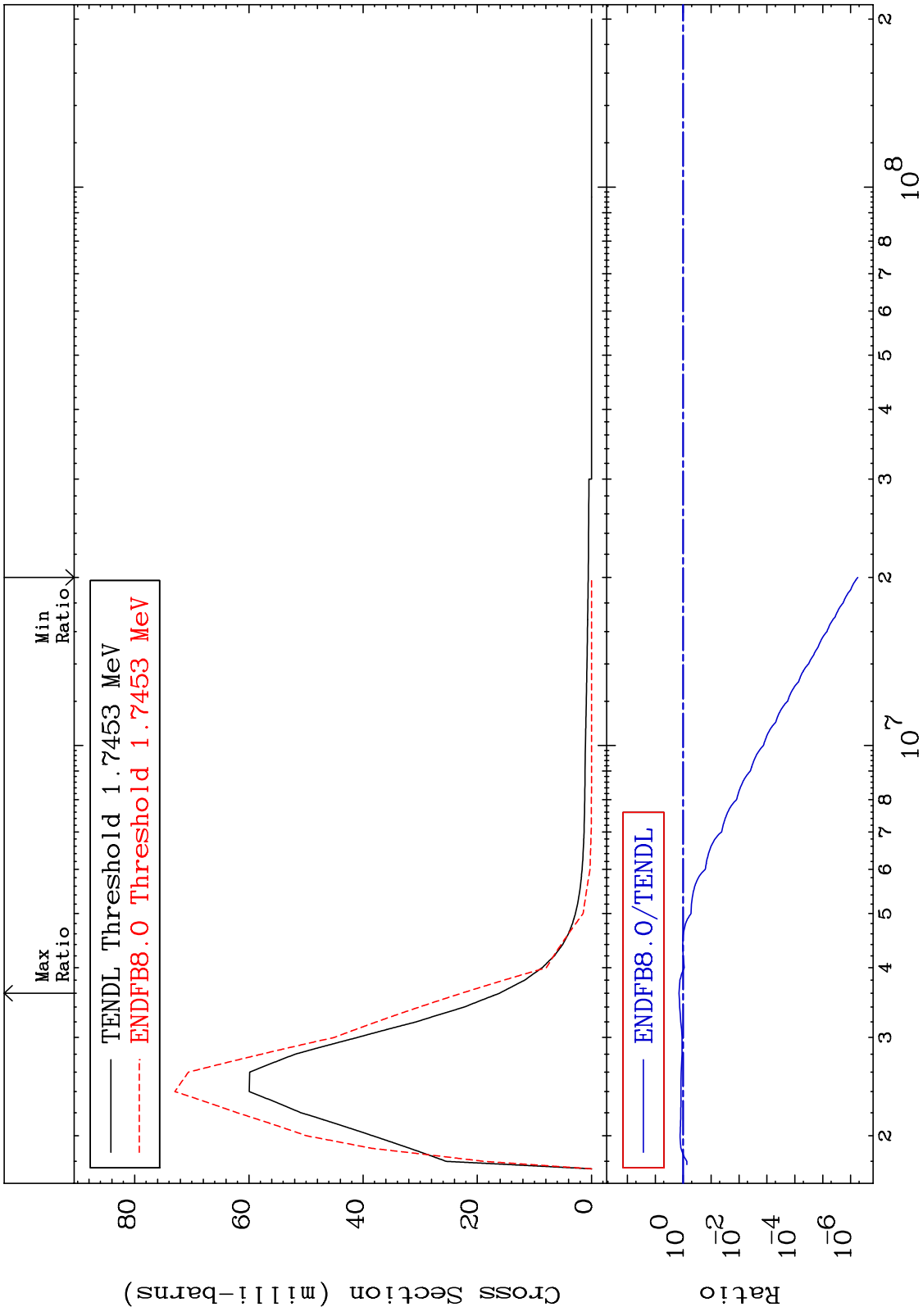
MAT 6237 MT= 61 (n,n') Level Cross Section 62-Sm-148 To 75.77 %

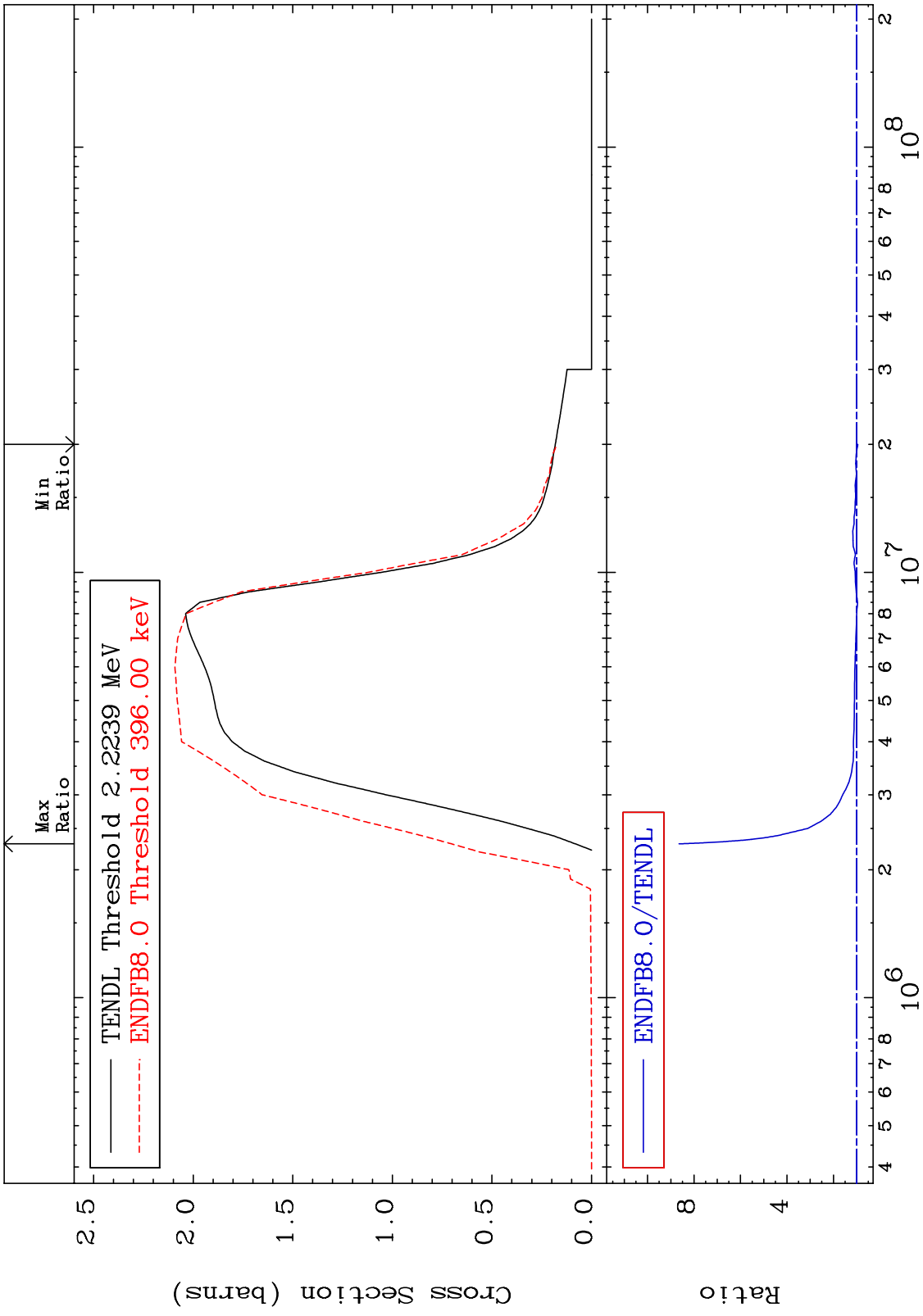


MAT 6237 MT= 62 (n,n') Level Cross Section 62-Sm-148 2.703 To 783.8 %



MAT 6237 MT= 63 (n,n') Level Cross Section 62-Sm-148
 -100.0 To 41.31 %



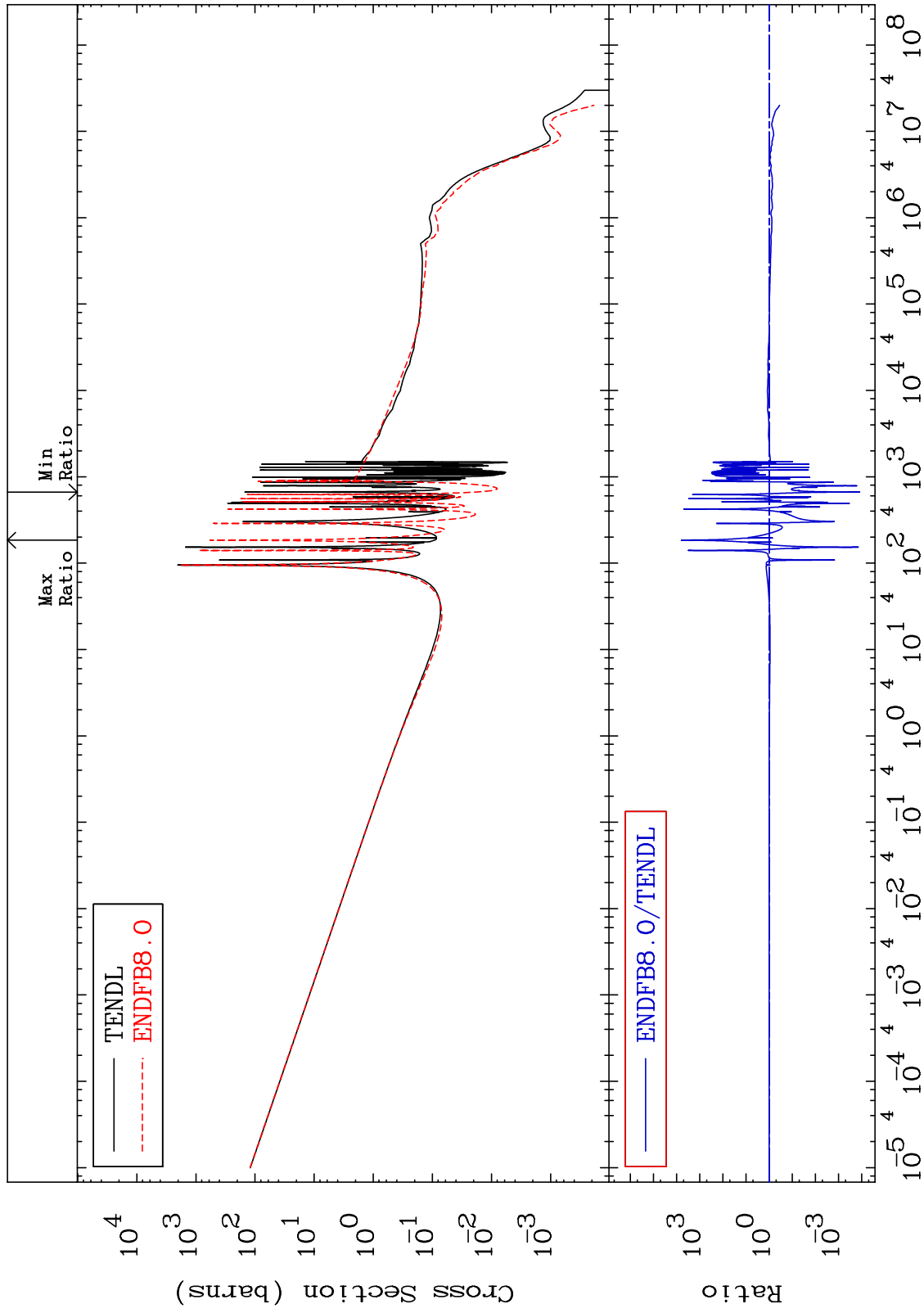


MAT 6237

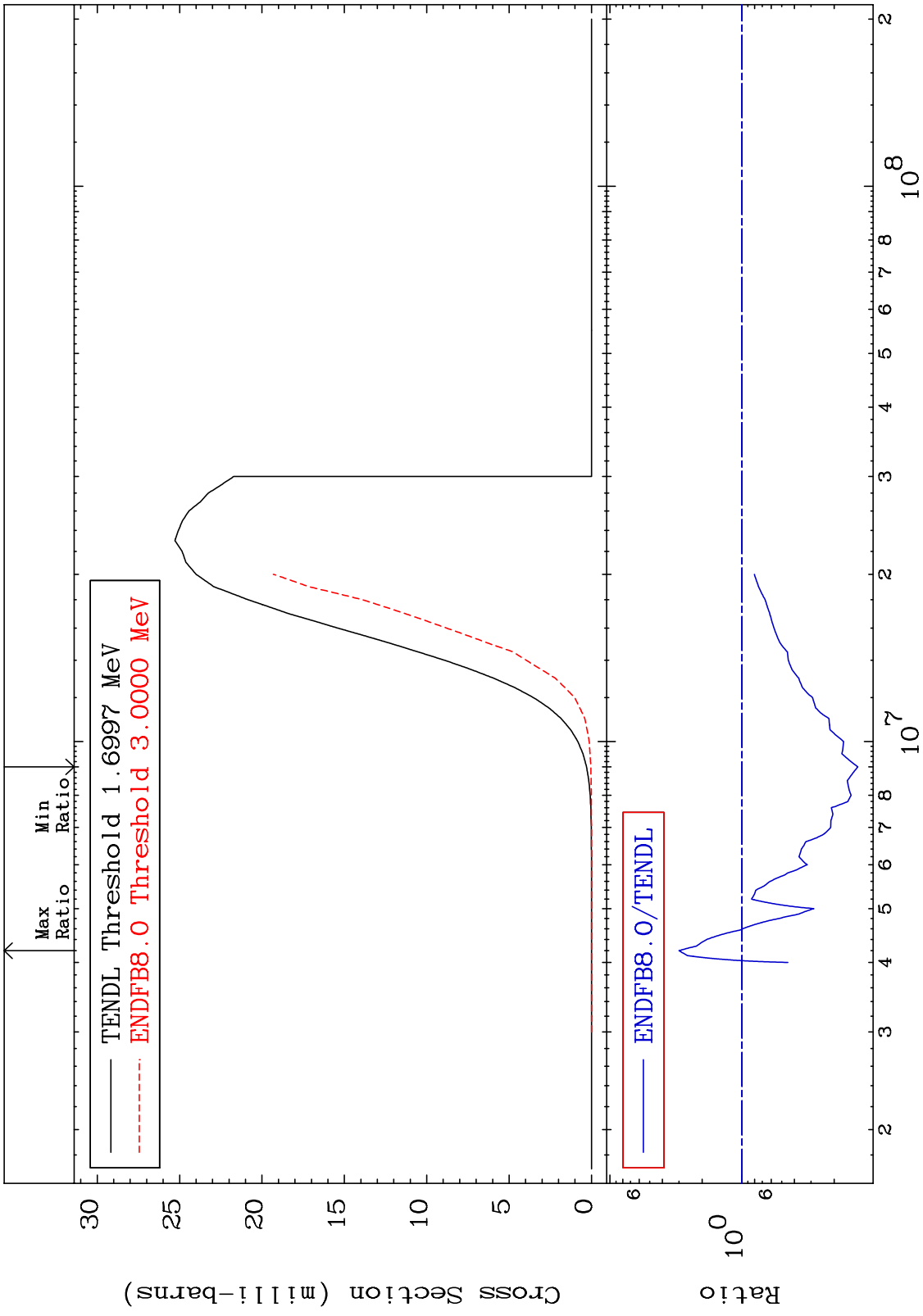
62-Sm-148

-99.99 To 9999. %

(n, γ)
Cross Section



MAT 6237 (n,p) Cross Section 62-Sm-148 -86.77 To 199.4 %



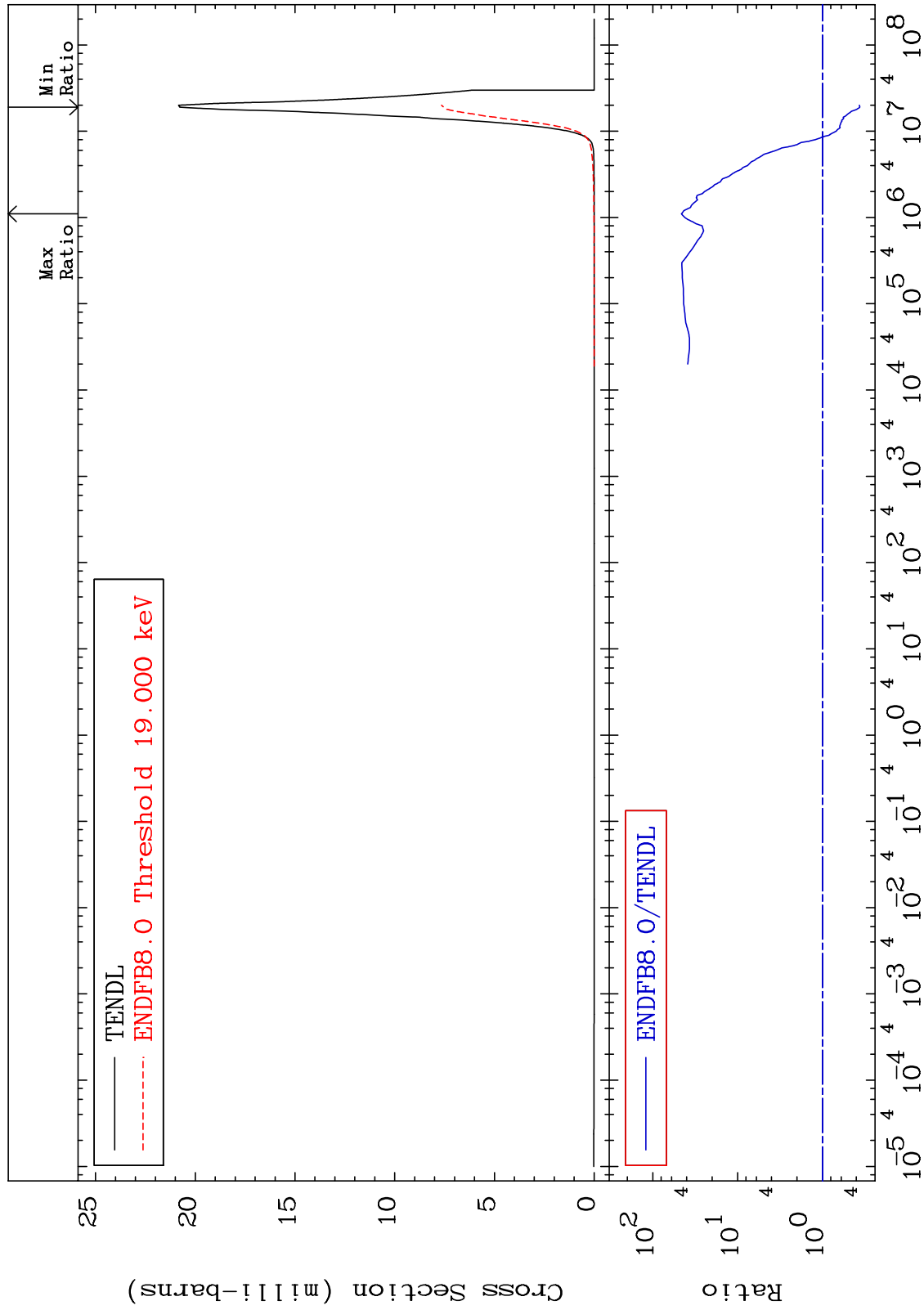
MAT 6237

(n, α)

62-Sm-148

Cross Section

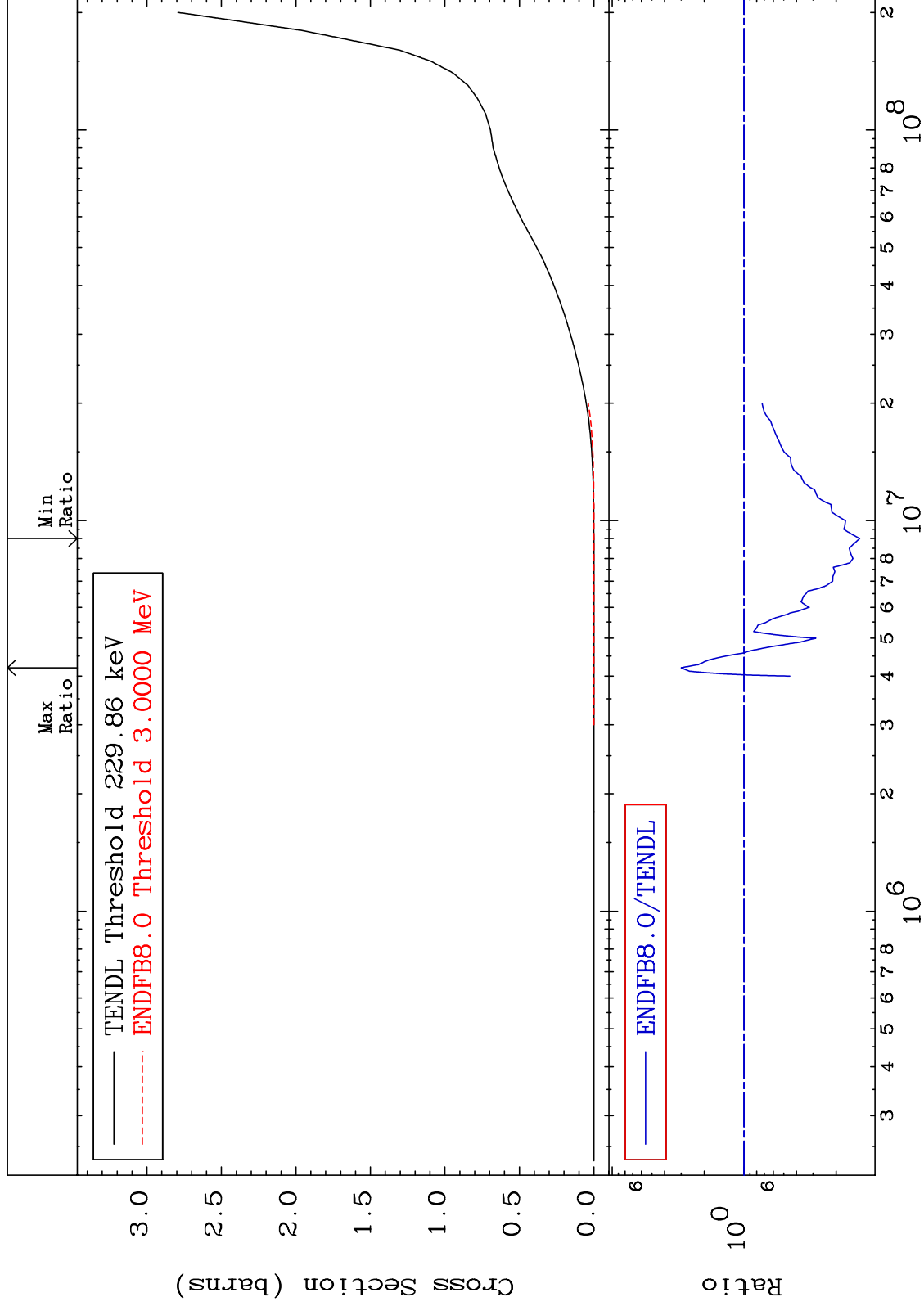
-63.68 To 4493. %



MAT 6237

Hydrogen Production
Cross Section

62-Sm-148
-86.77 To 199.4 %



27

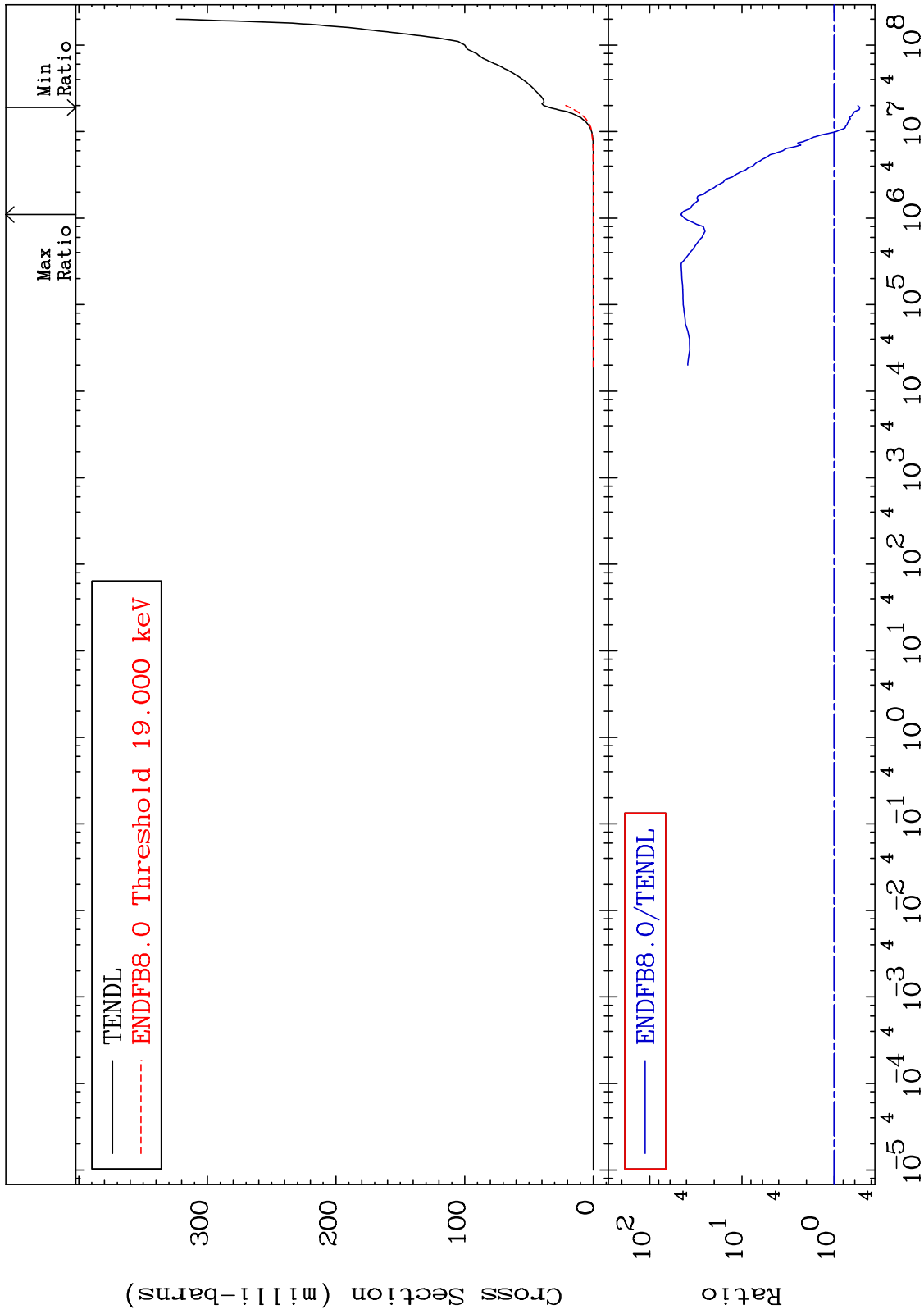
Incident Energy (eV)

62-Sm-148

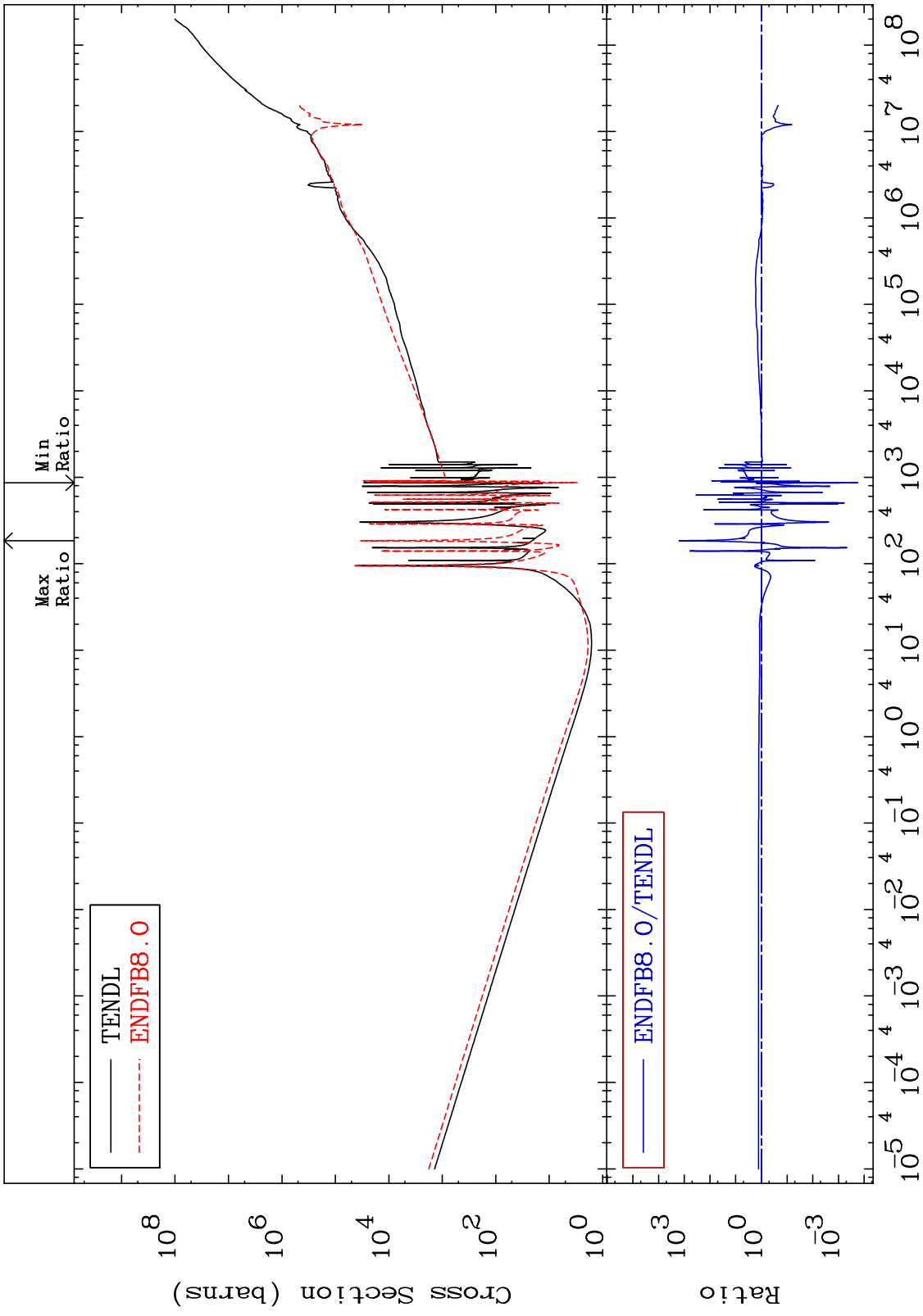
MAT 6237

He-4 Production
Cross Section

62-Sm-148
-46.81 To 4493. %



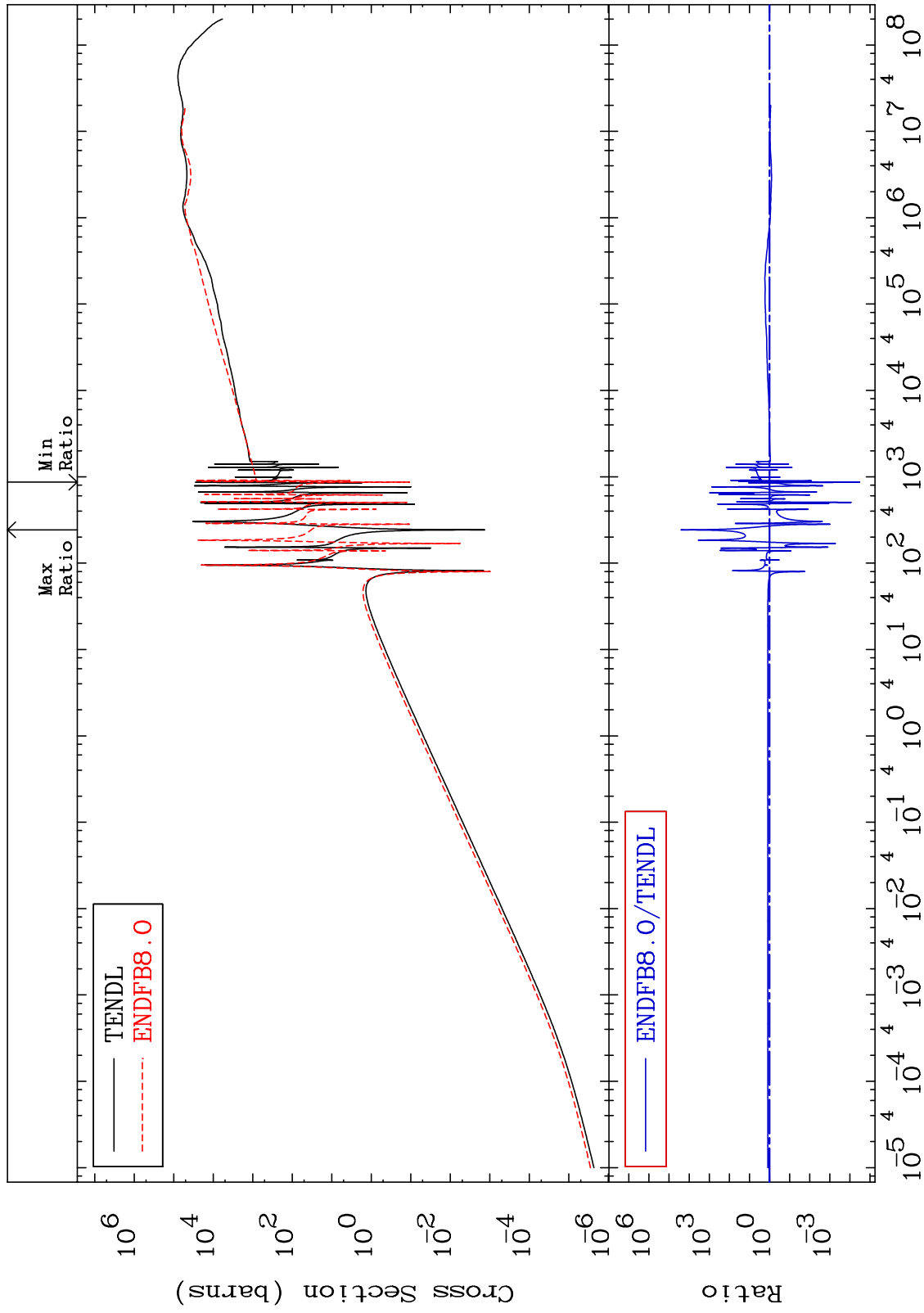
MAT 6237 Kerma total (eV-barns) 62-Sm-148
 Cross Section -99.98 To 9999. %



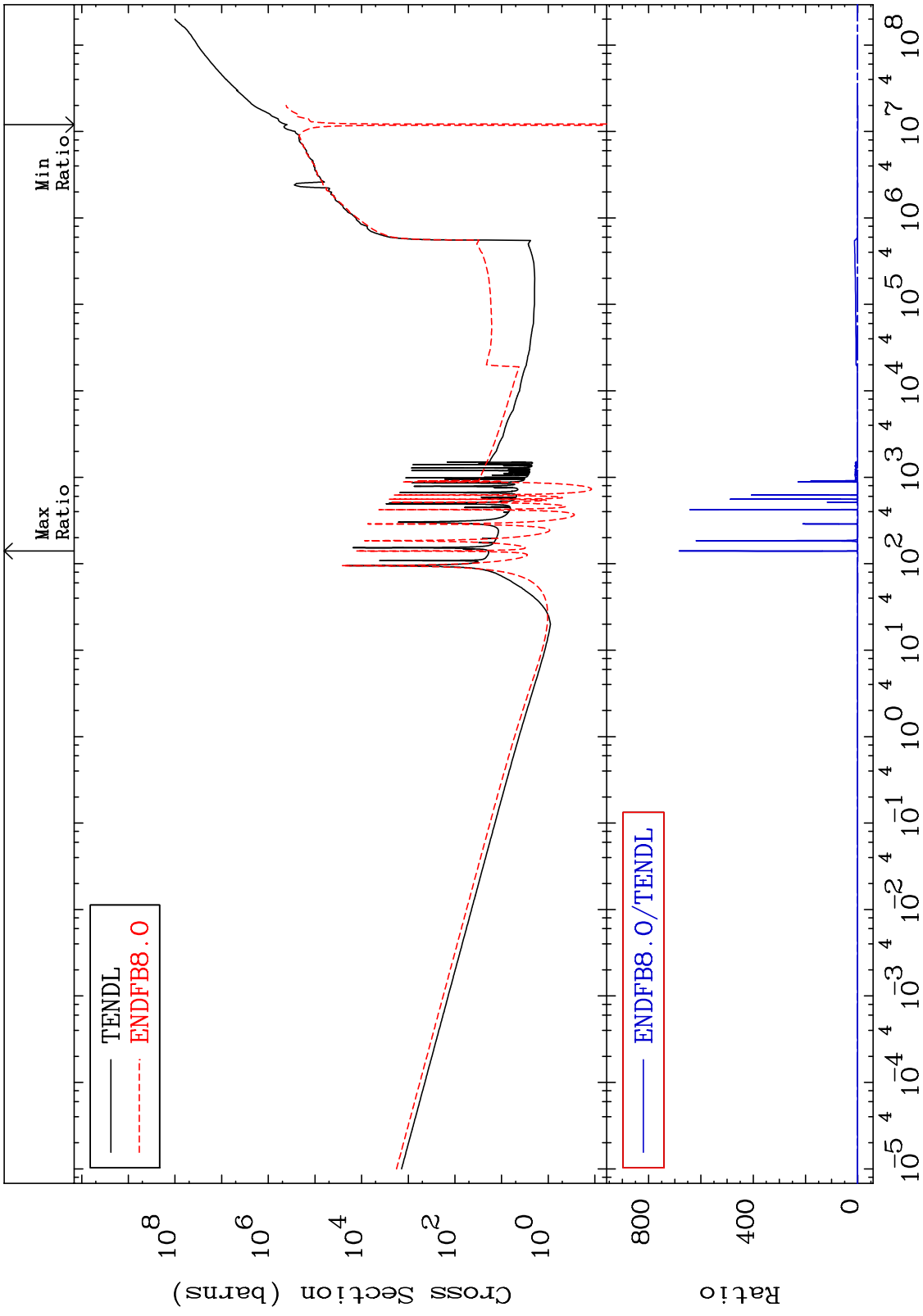
MAT 6237

Kerma elastic
Cross Section

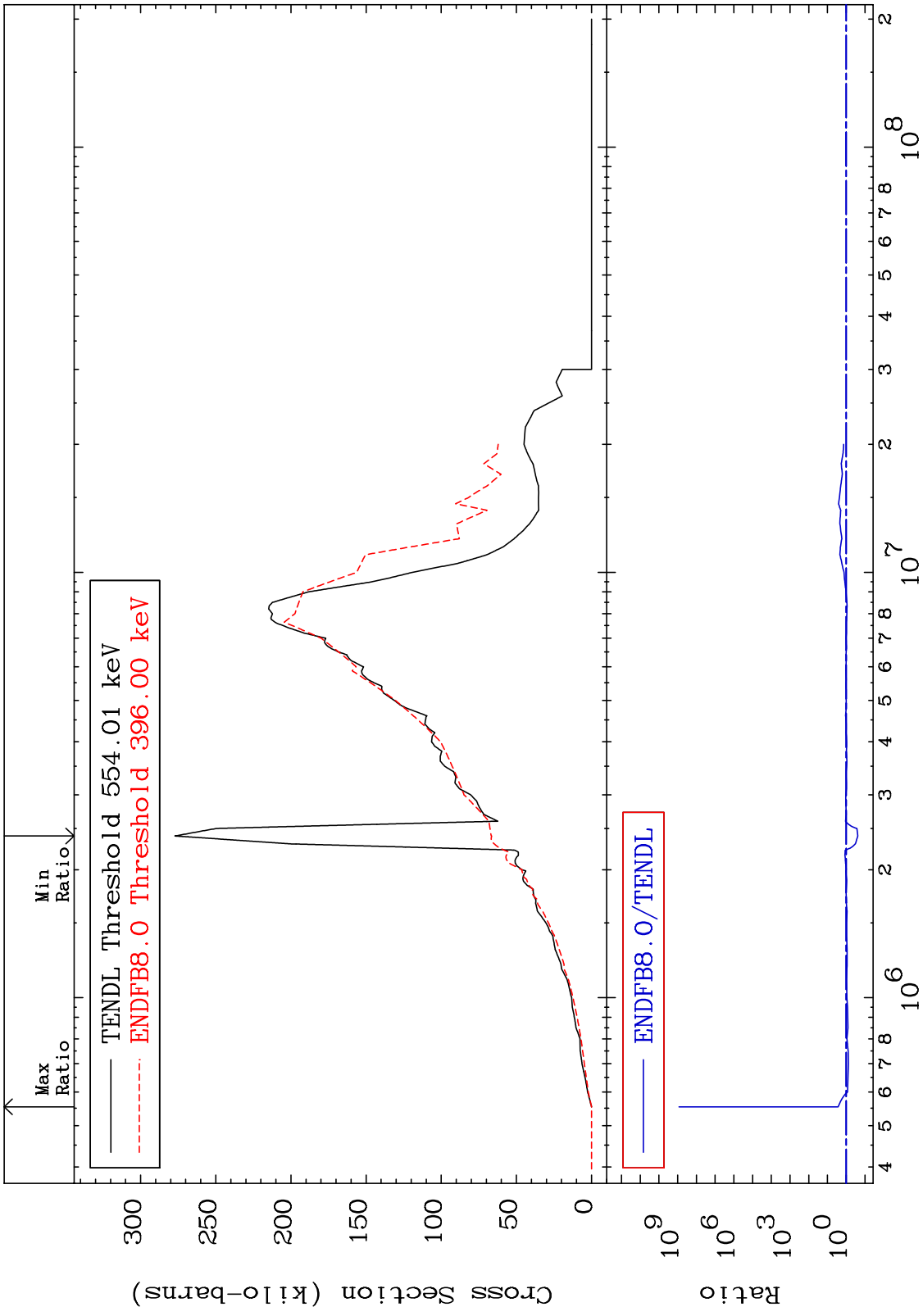
62-Sm-148
-100.0 To 9999. %



MAT 6237 Kerma non-elastic (all but mt.2) 62-Sm-148
 -107.8 To 9999. %
 Cross Section

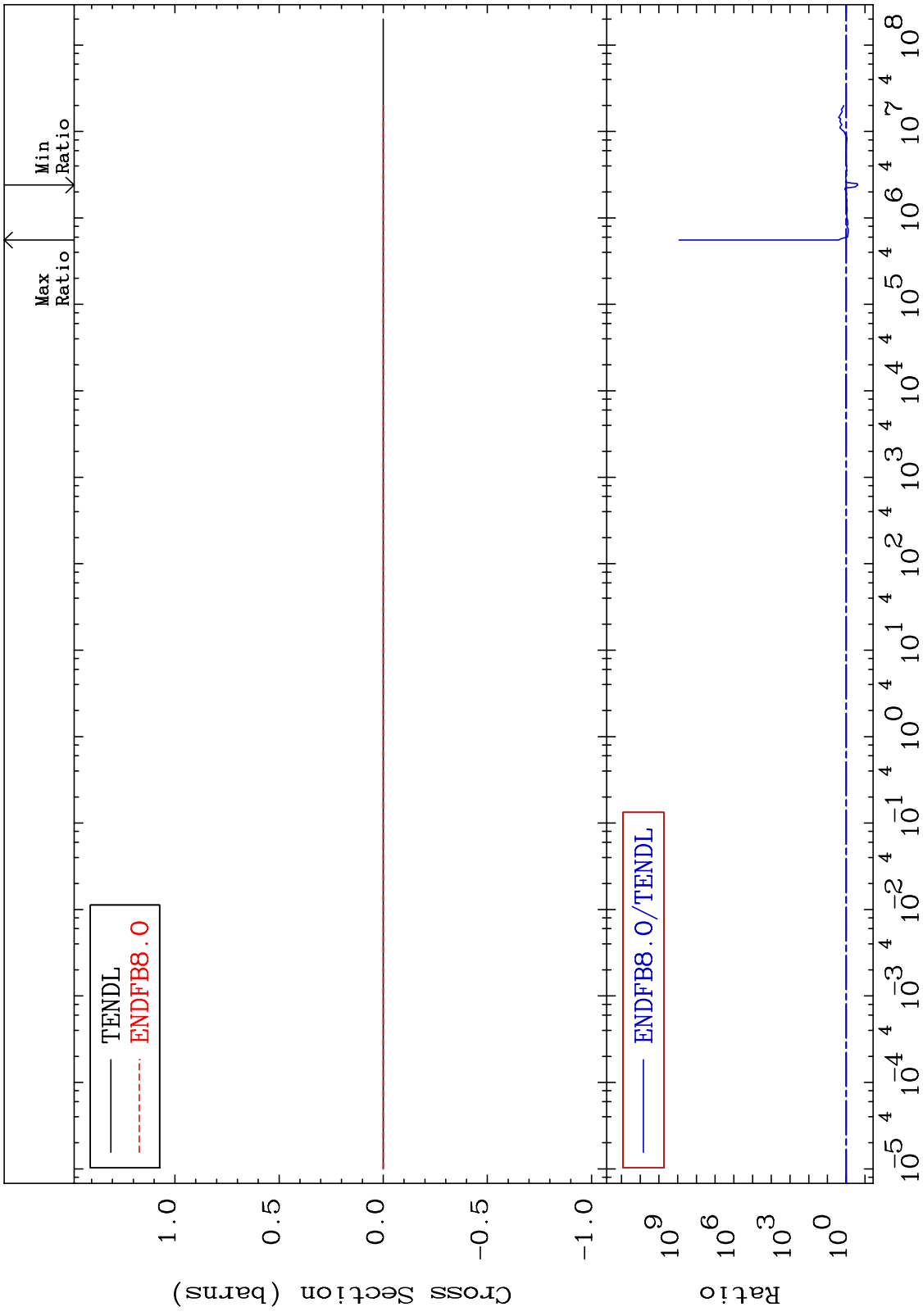


MAT 6237 Kerma inelastic (mt51-91) 62-Sm-148
 Cross Section -76.02 To 9999. %



32 Incident Energy (eV) 62-Sm-148

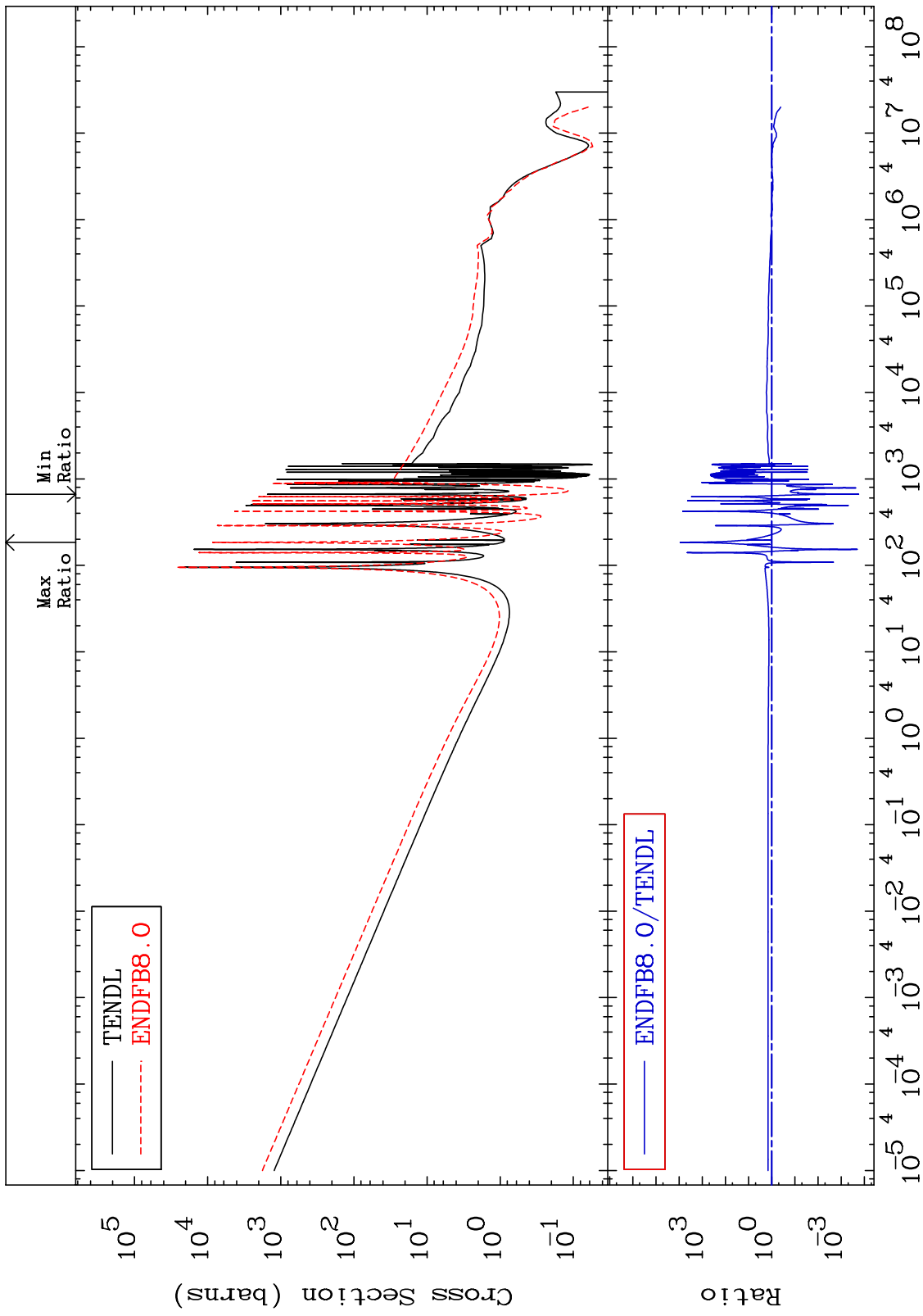
MAT 6237 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-148
 Cross Section -76.02 To 9999. %



MAT 6237

Kerma capture (mt102)
Cross Section

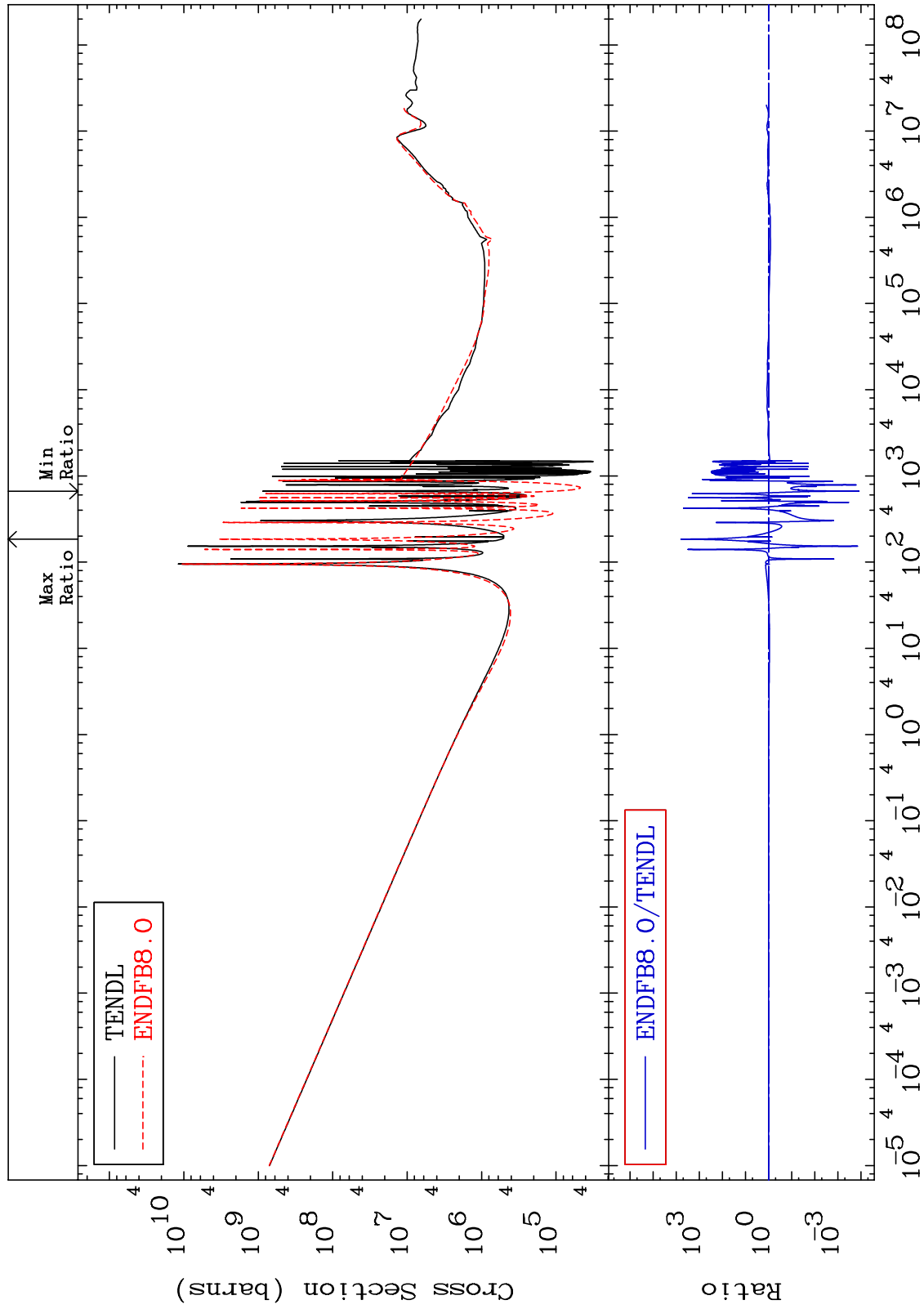
62-Sm-148
-99.98 To 9999. %



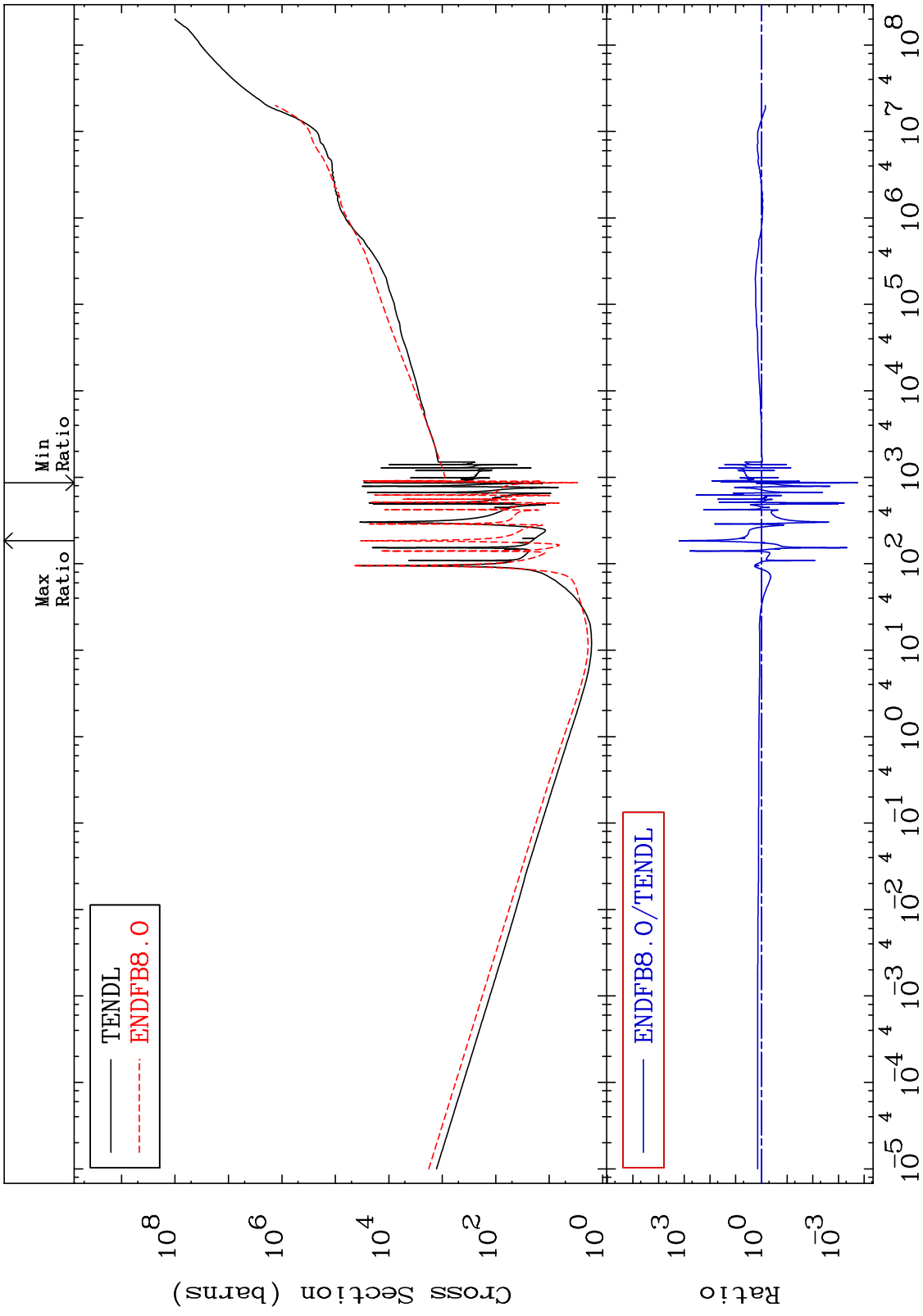
MAT 6237

Total photon (eV-barns)
Cross Section

62-Sm-148
-99.99 To 9999. %



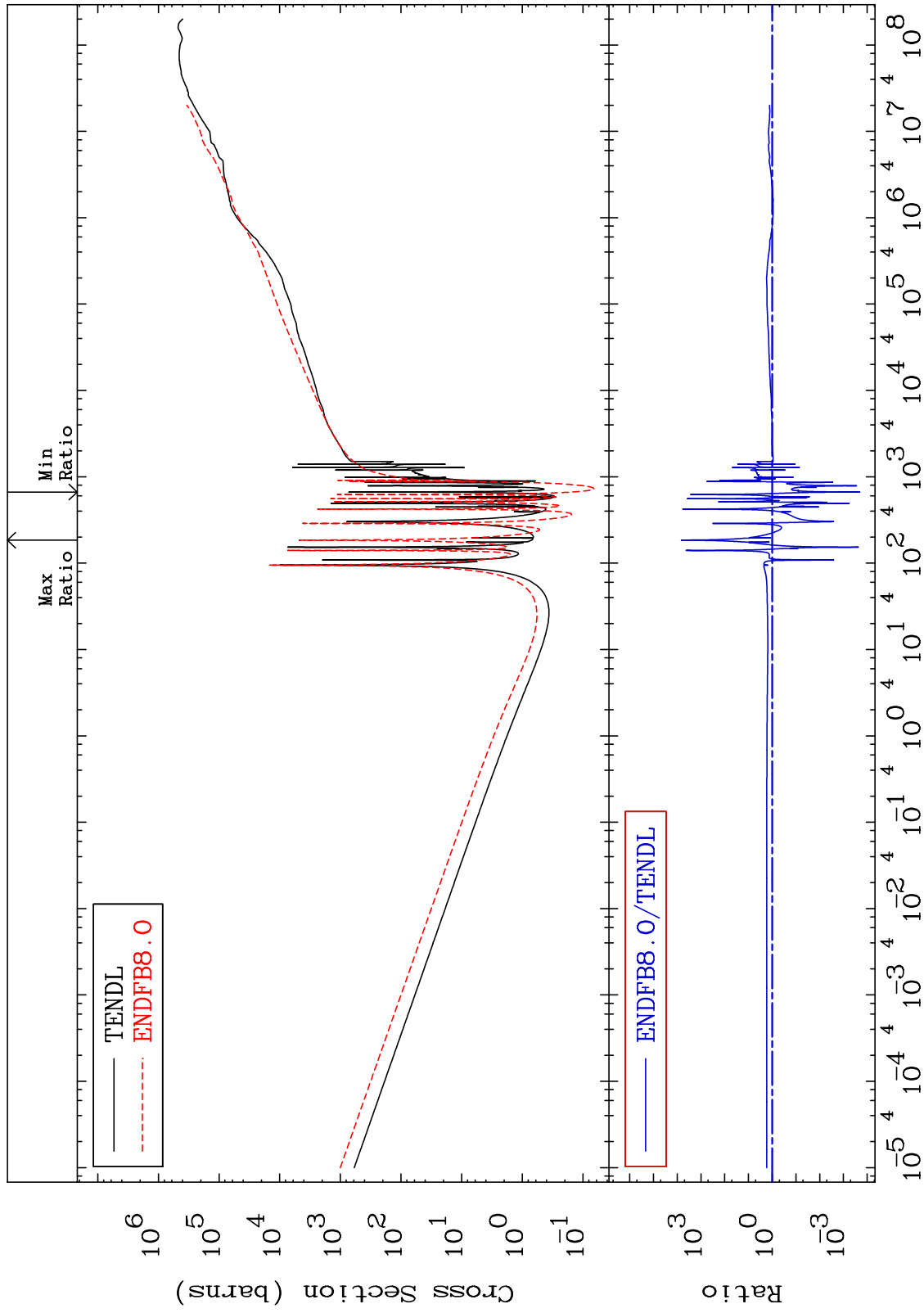
MAT 6237 Total kinematic kerma (high limit) 62-Sm-148
 Cross Section -99.98 To 9999. %



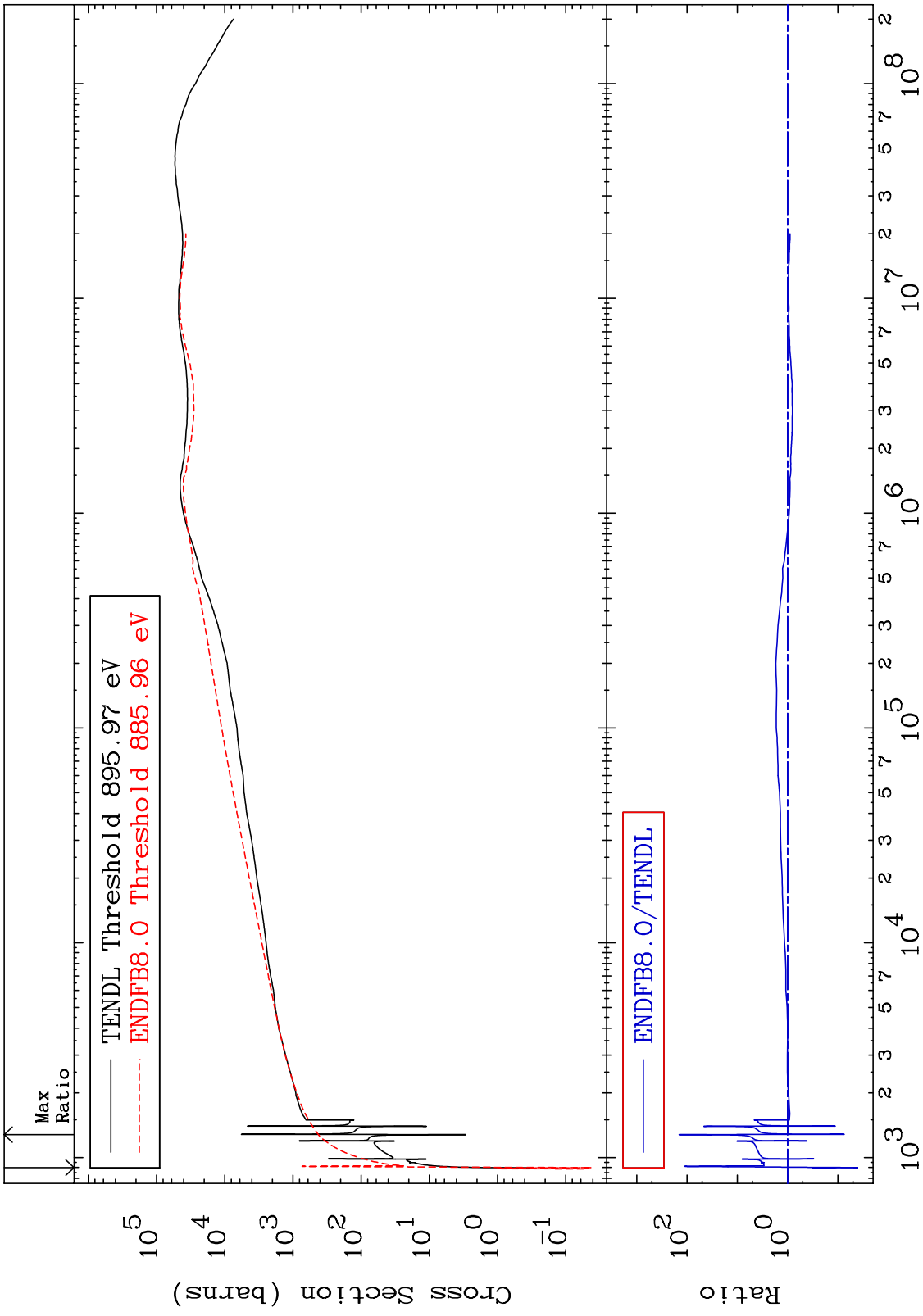
MAT 6237

Dpa total (eV-barns)
Cross Section

62-Sm-148
-99.98 To 9999. %



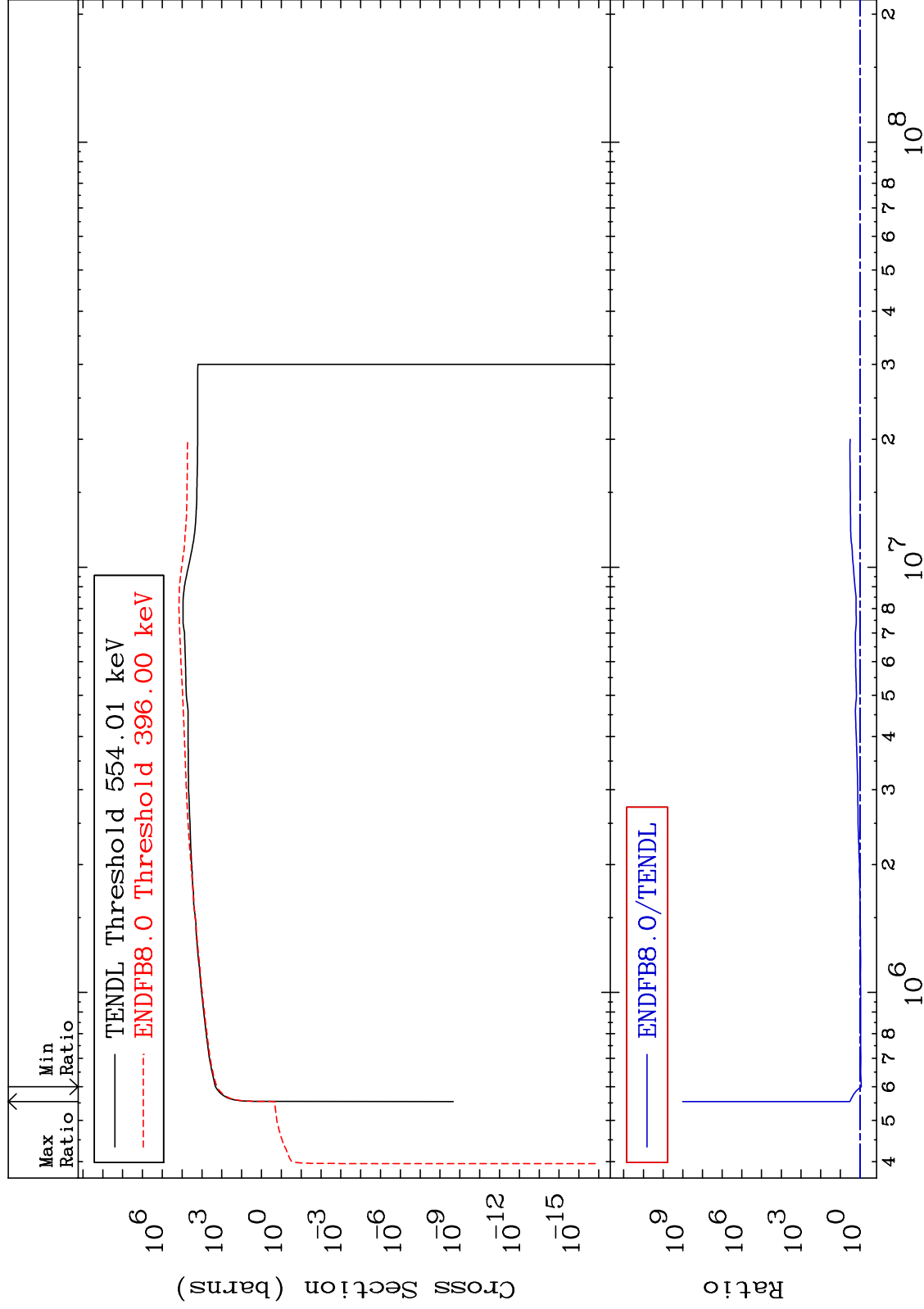
MAT 6237 Dpa elastic (mt2) 62-Sm-148
 Cross Section -95.99 To 9999. %



MAT 6237

Dpa inelastic (mt51-91)
Cross Section

62-Sm-148
-14.41 To 9999. %



MAT 6237 Dpa disappearance (mt102 -120) 62-Sm-148
 Cross Section -99.98 To 9999. %

