

Program Complot
(Version 2018-1)

by

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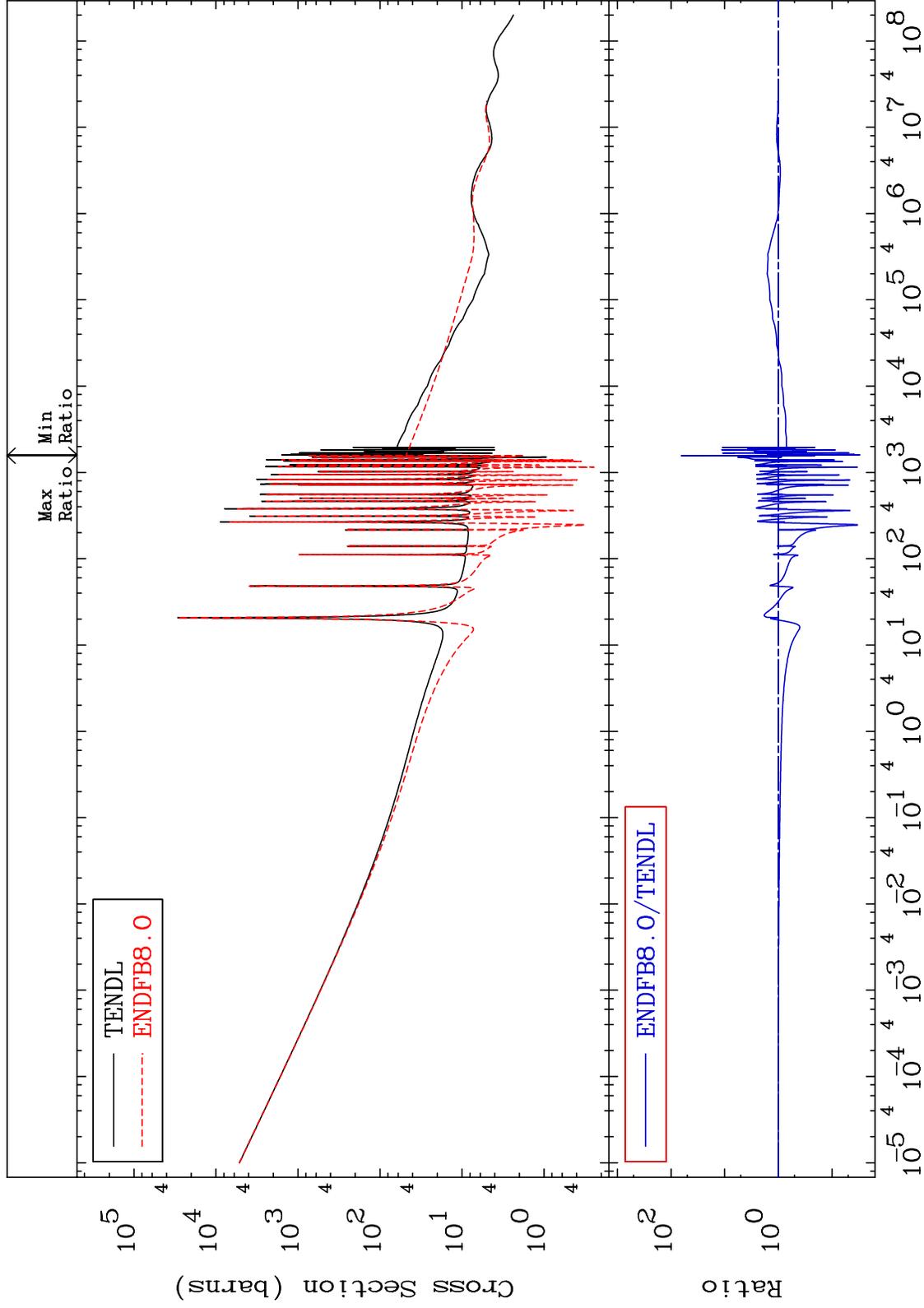
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6243

Total
Cross Section

62-Sm-150
-96.97 To 6354. %

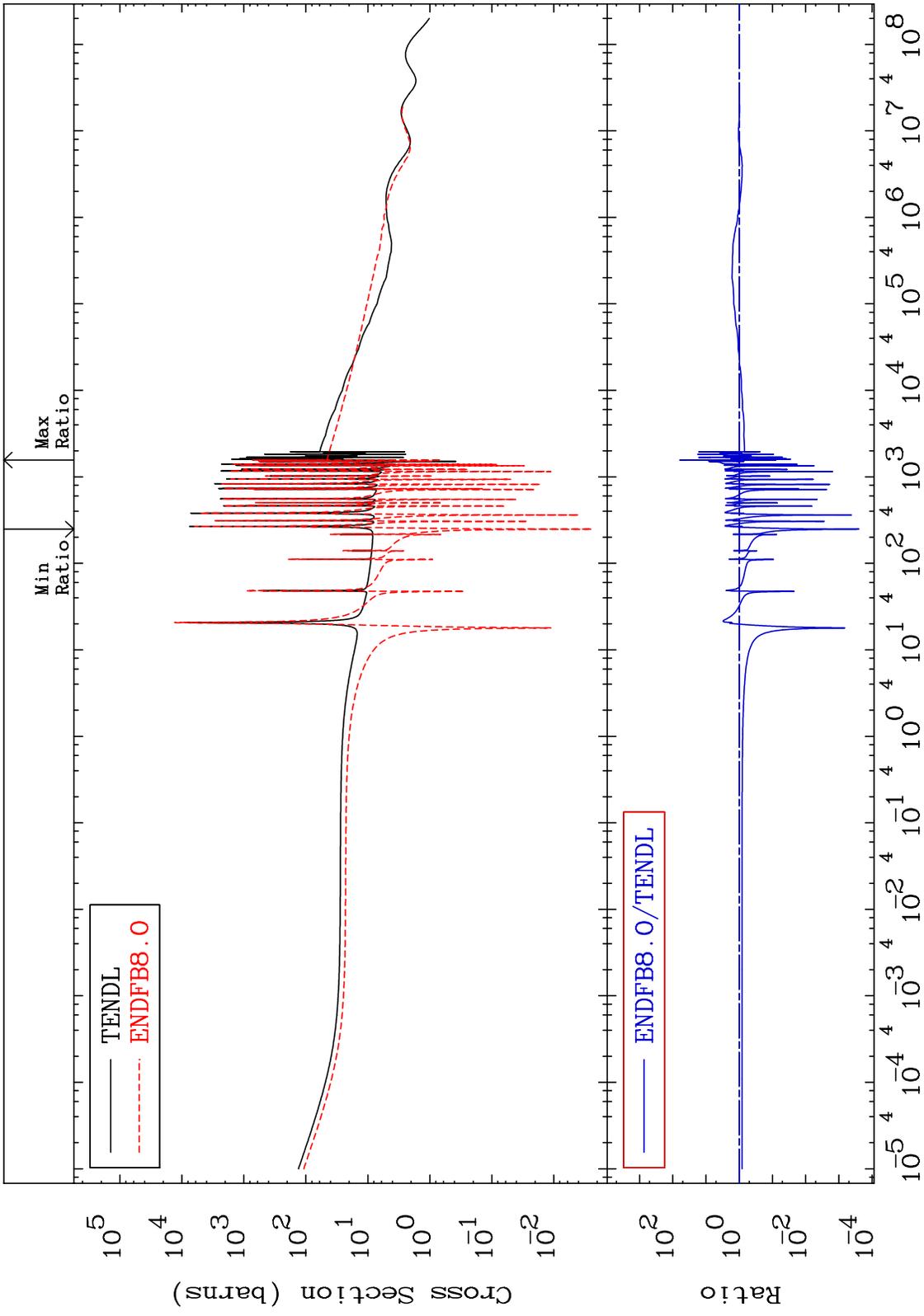


1

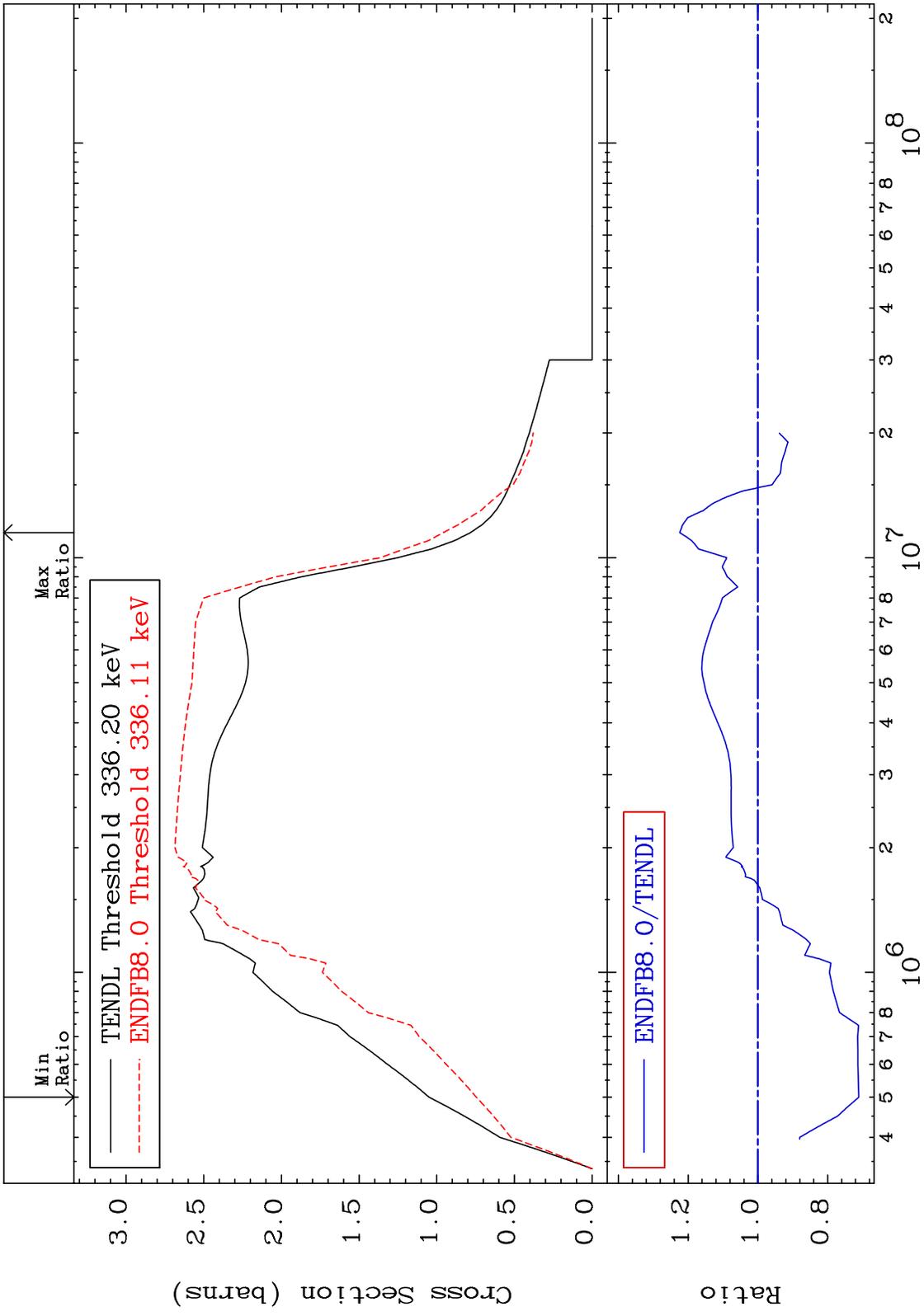
Incident Energy (eV)

62-Sm-150

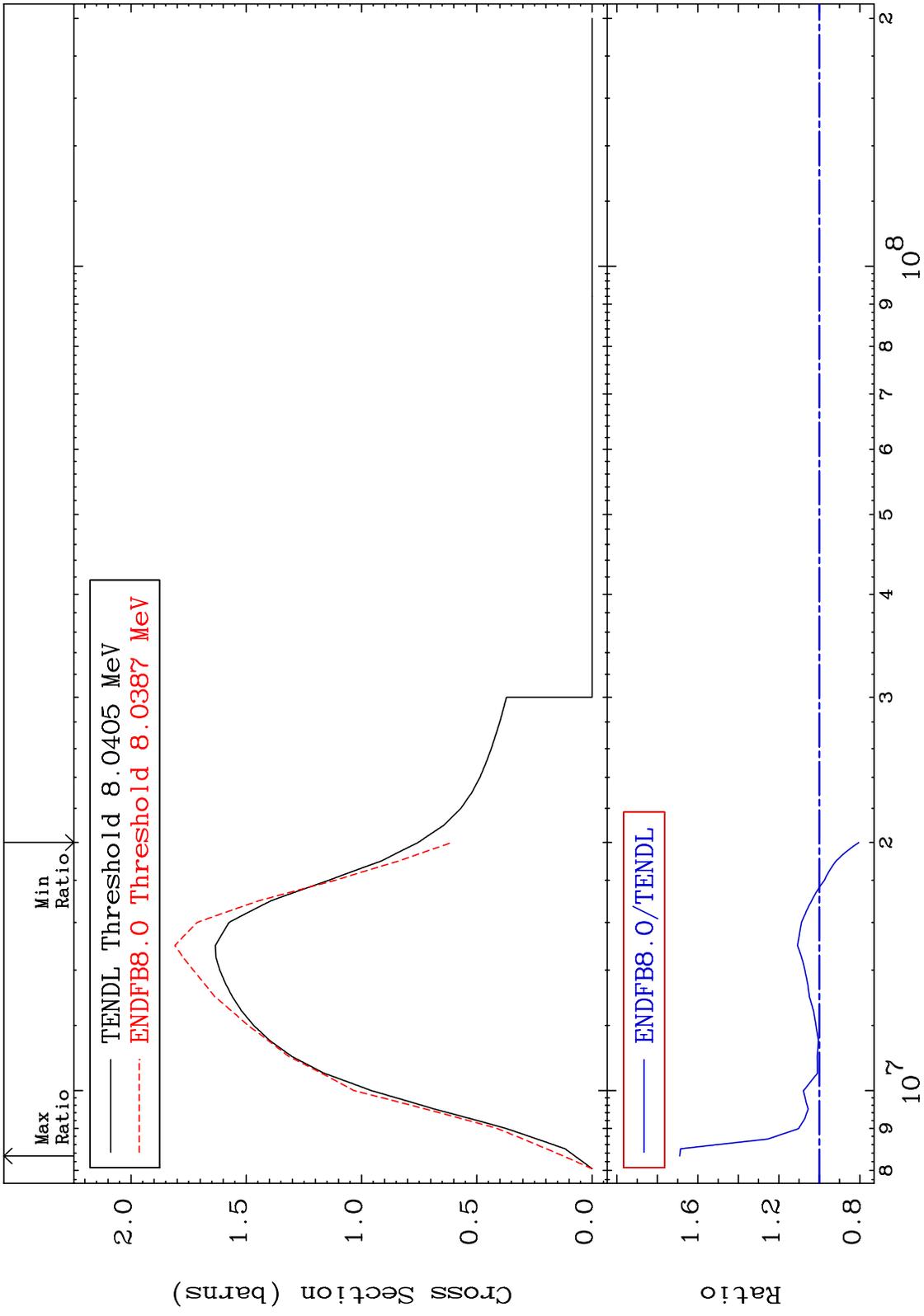
MAT 6243 Elastic Cross Section 62-Sm-150 -99.97 To 6068. %



MAT 6243 62-Sm-150
-28.93 To 22.41 %

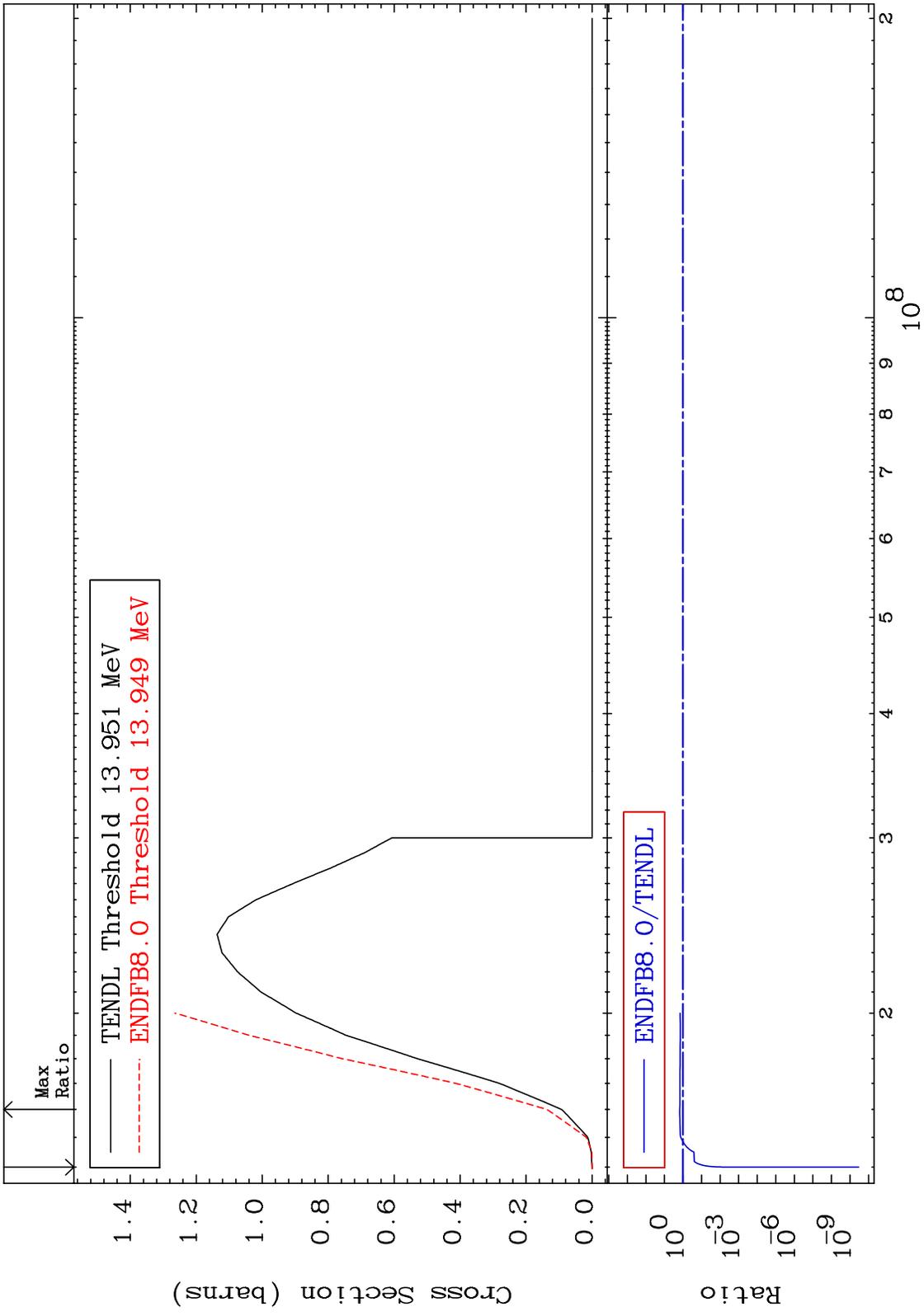


MAT 6243 (n,2n) Cross Section 62-Sm-150 -19.53 To 68.96 %



4 Incident Energy (eV) 62-Sm-150

MAT 6243 (n,3n) Cross Section 62-Sm-150 -100.0 To 49.09 %



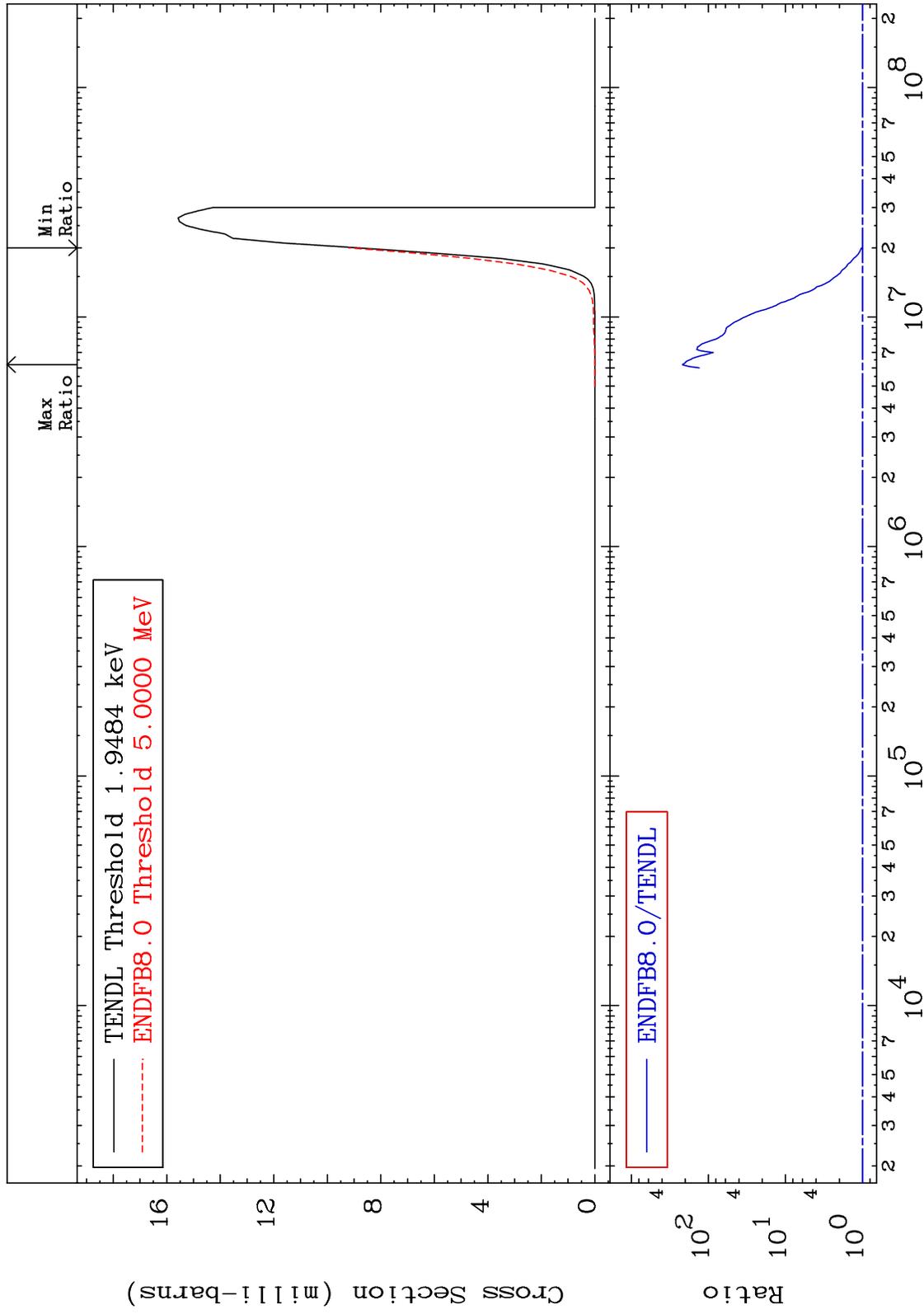
MAT 6243

(n, n') α

62-Sm-150

Cross Section

3.604 To 9999. %



6

Incident Energy (eV)

62-Sm-150

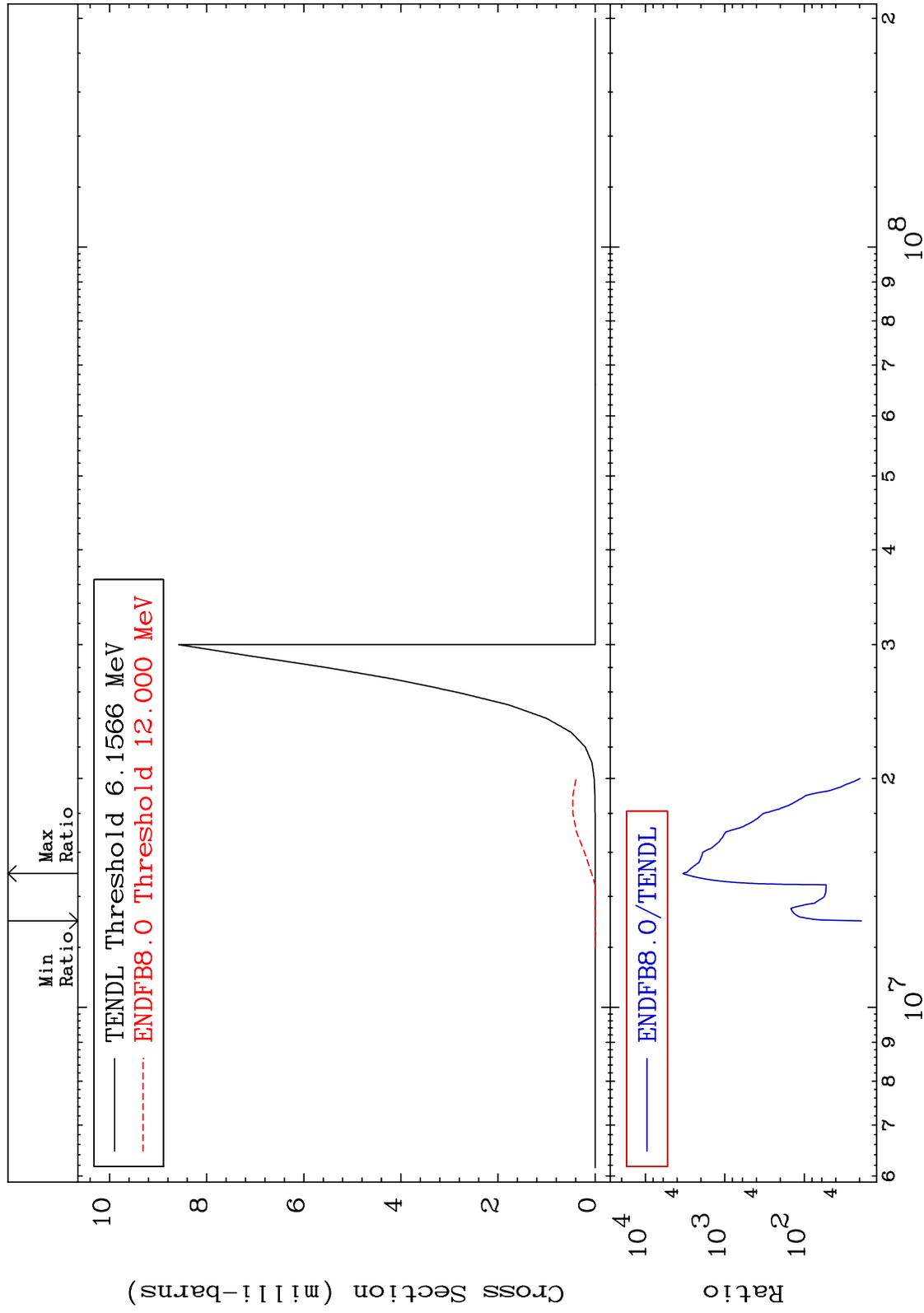
MAT 6243

(n,2n) α

62-Sm-150

1804. To 9999. %

Cross Section

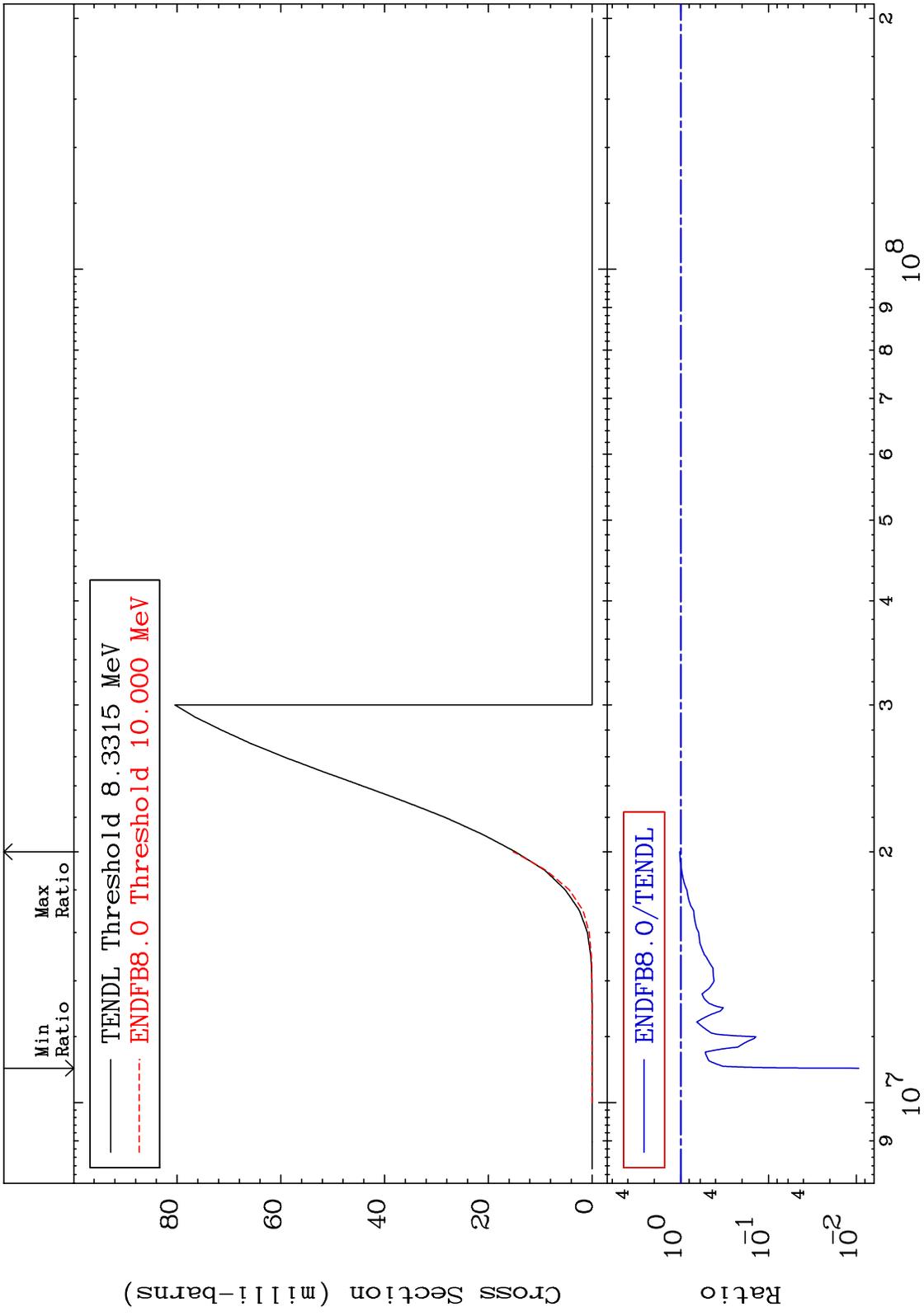


7

Incident Energy (eV)

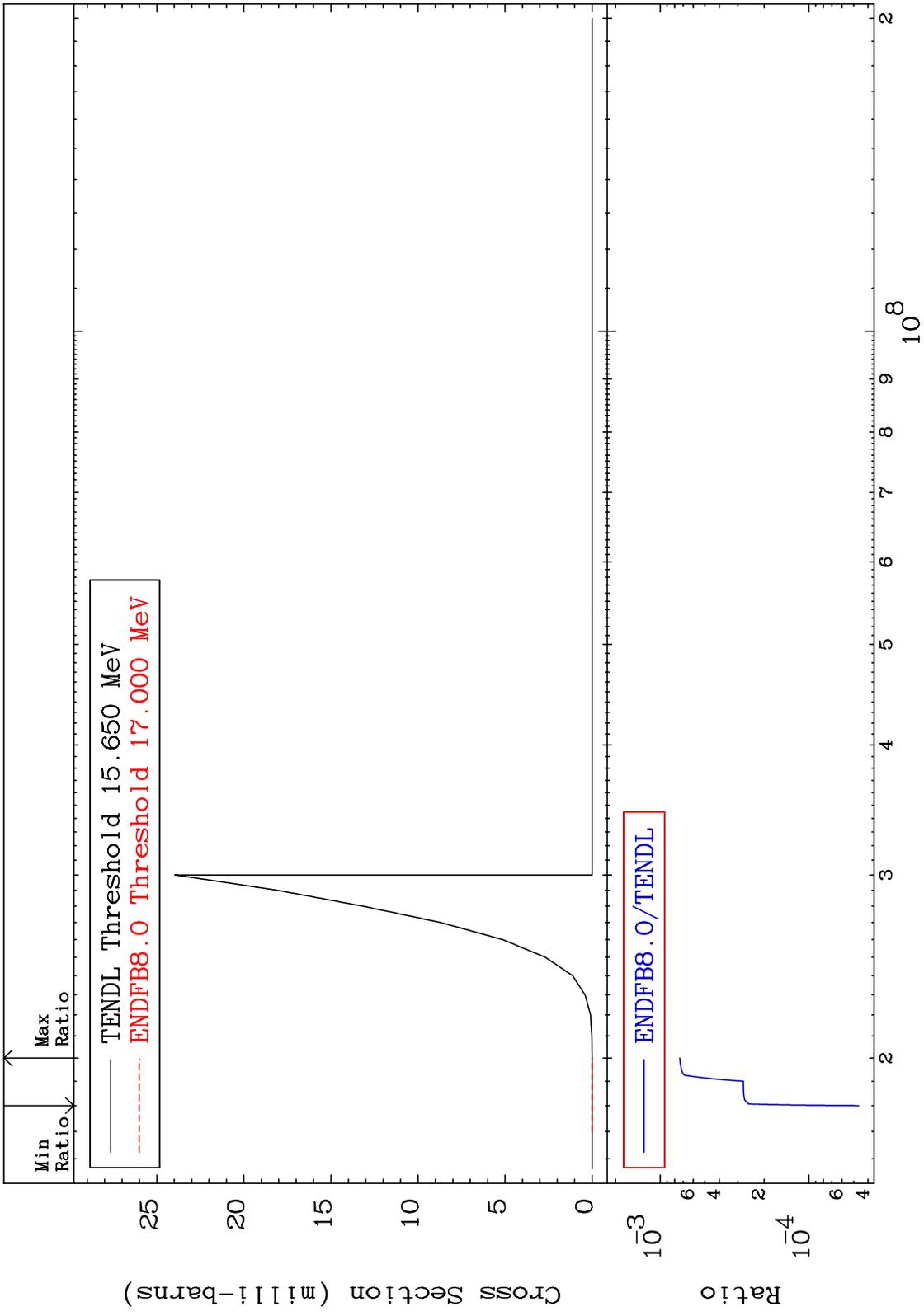
62-Sm-150

MAT 6243 (n,n') p 62-Sm-150
Cross Section -99.06 To 2.450 %

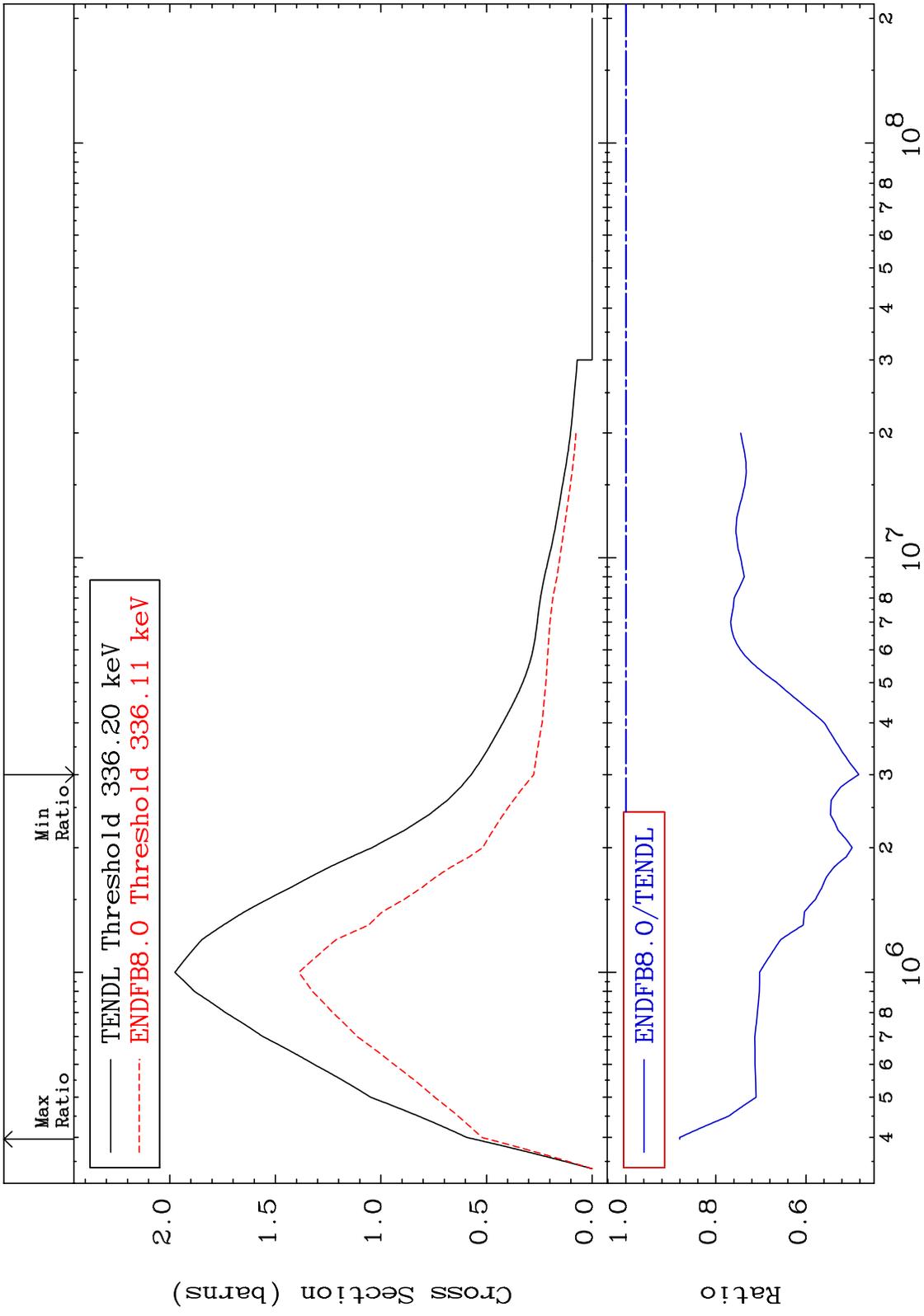


8 Incident Energy (eV) 62-Sm-150

MAT 6243 (n,2n) p 62-Sm-150
 Cross Section -100.0 To -99.93%

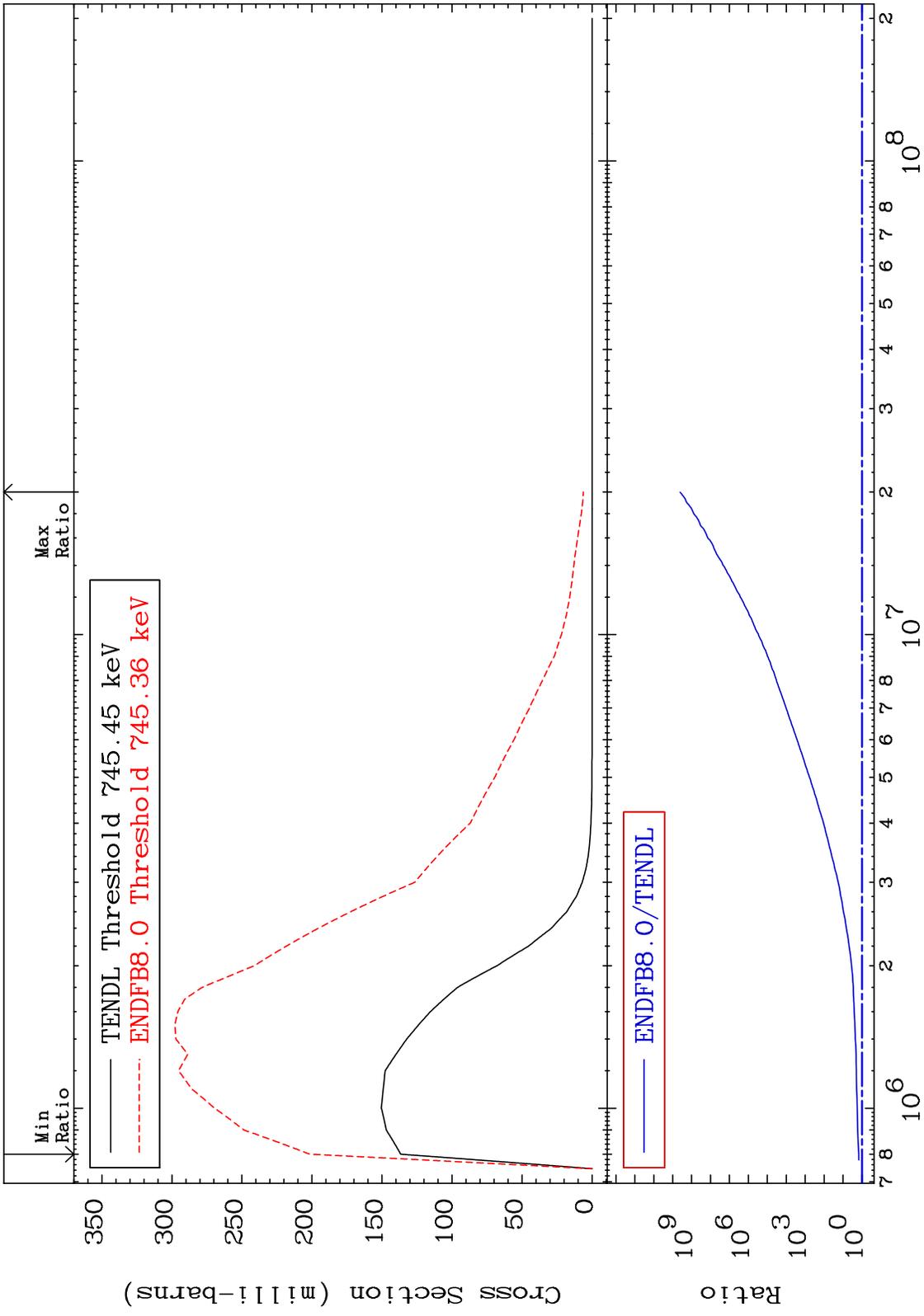


MAT 6243 MT= 51 (n,n') Level Cross Section 62-Sm-150
 -51.75 To -11.97%

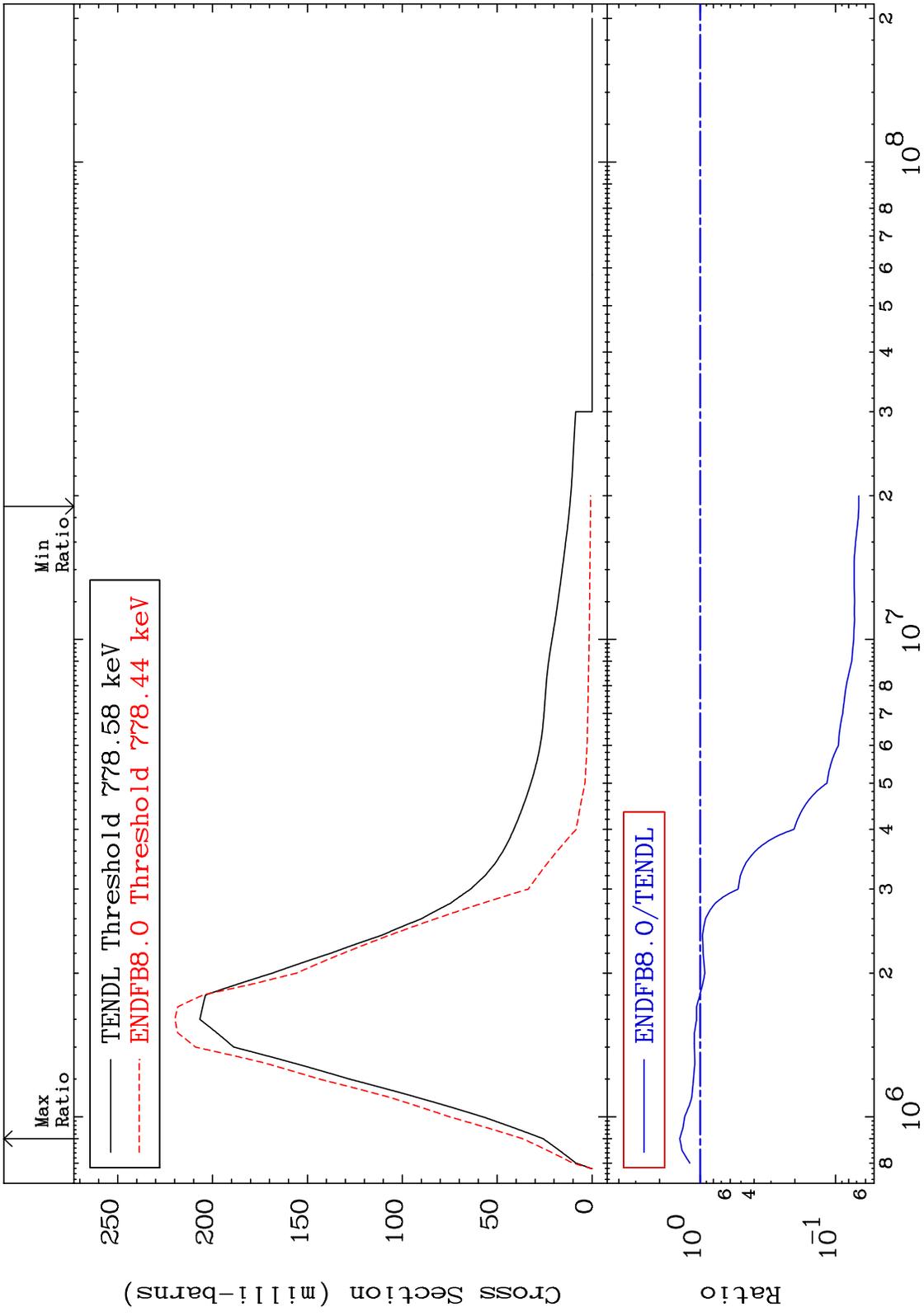


10 Incident Energy (eV) 62-Sm-150

MAT 6243 MT= 52 (n,n') Level Cross Section 62-Sm-150
 47.52 To 9999. %

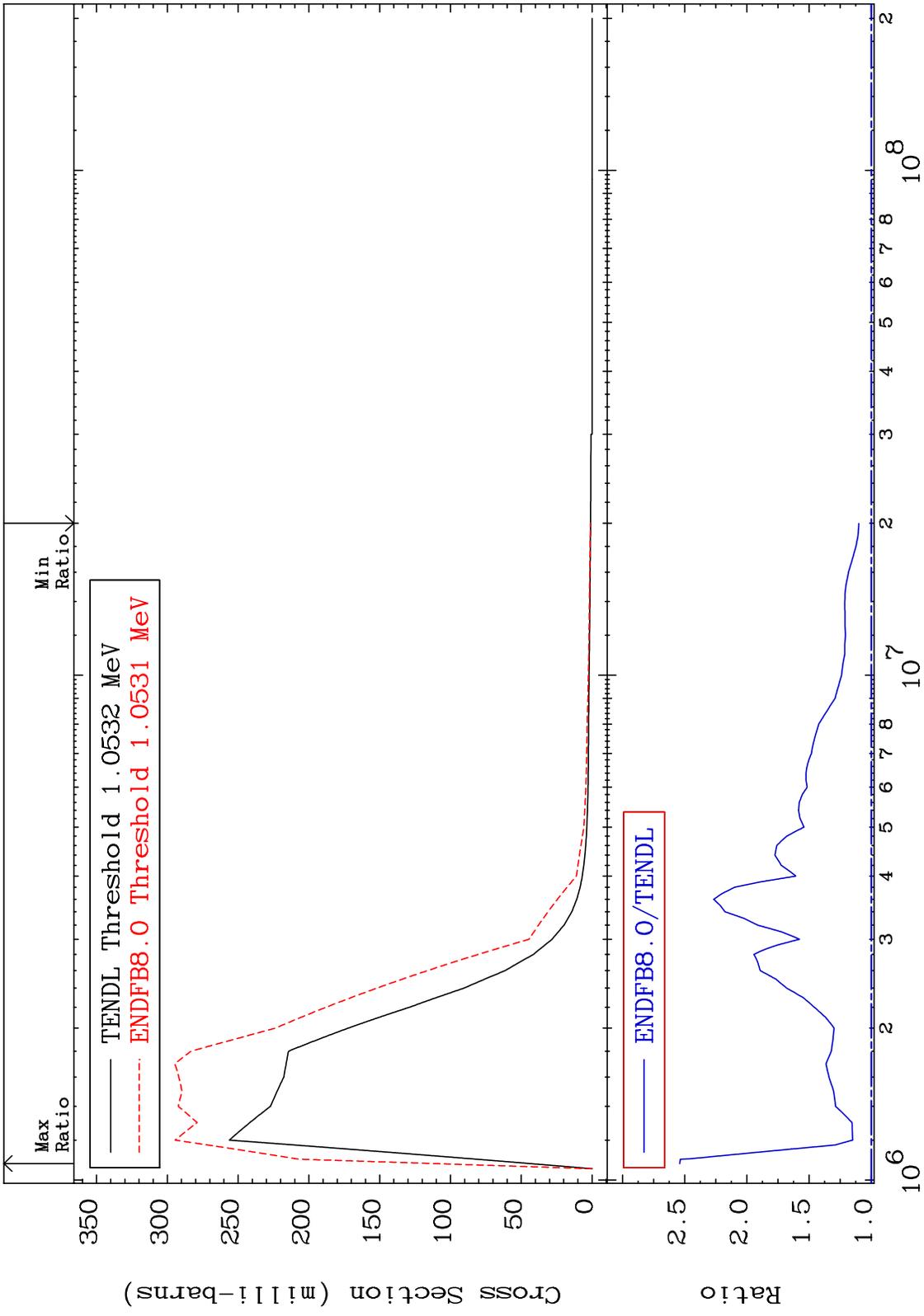


MAT 6243 MT= 53 (n,n') Level Cross Section 62-Sm-150
 -93.26 To 41.74 %



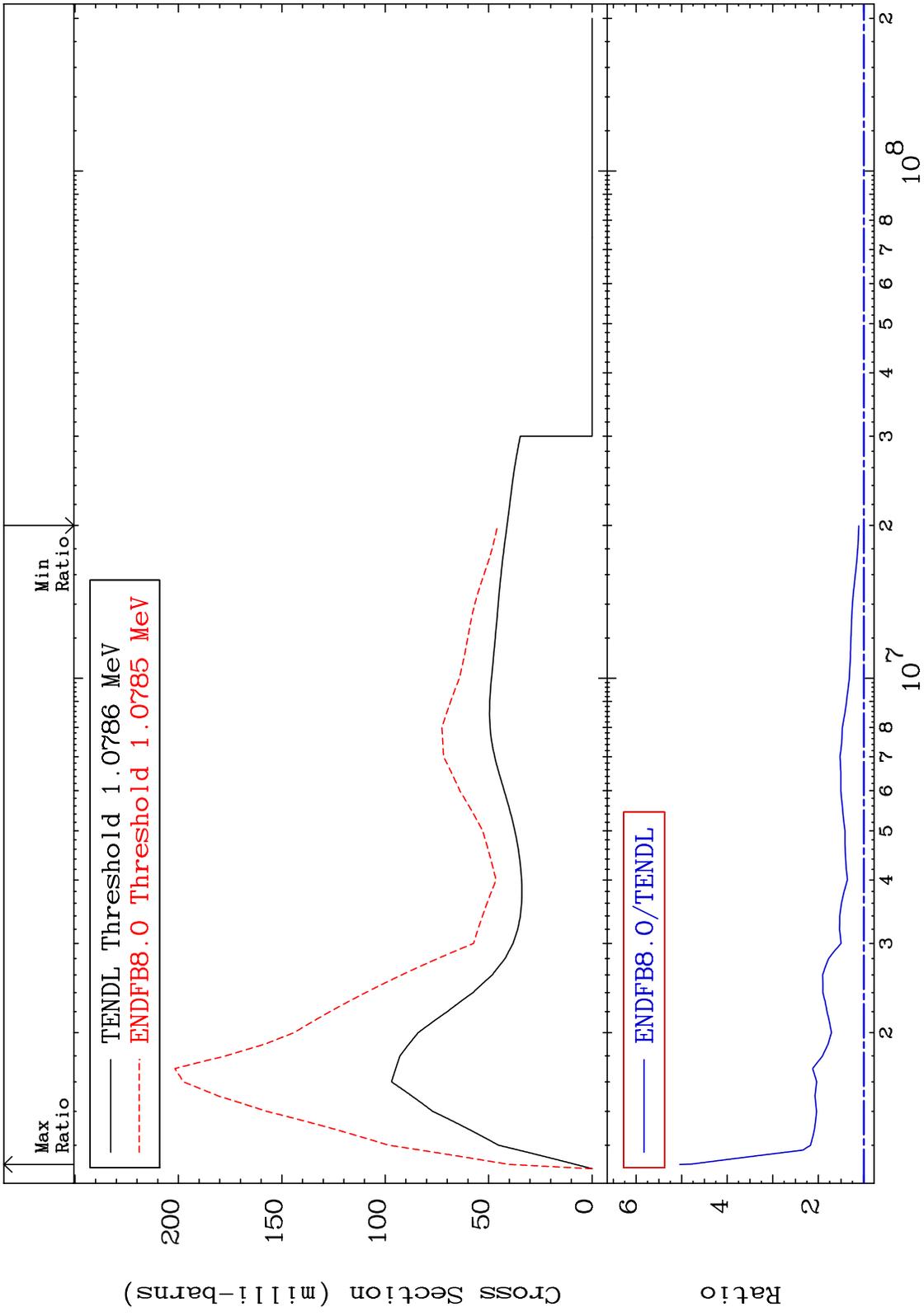
12 62-Sm-150

MAT 6243 MT= 54 (n,n') Level Cross Section 62-Sm-150 To 154.0 %
 9.968

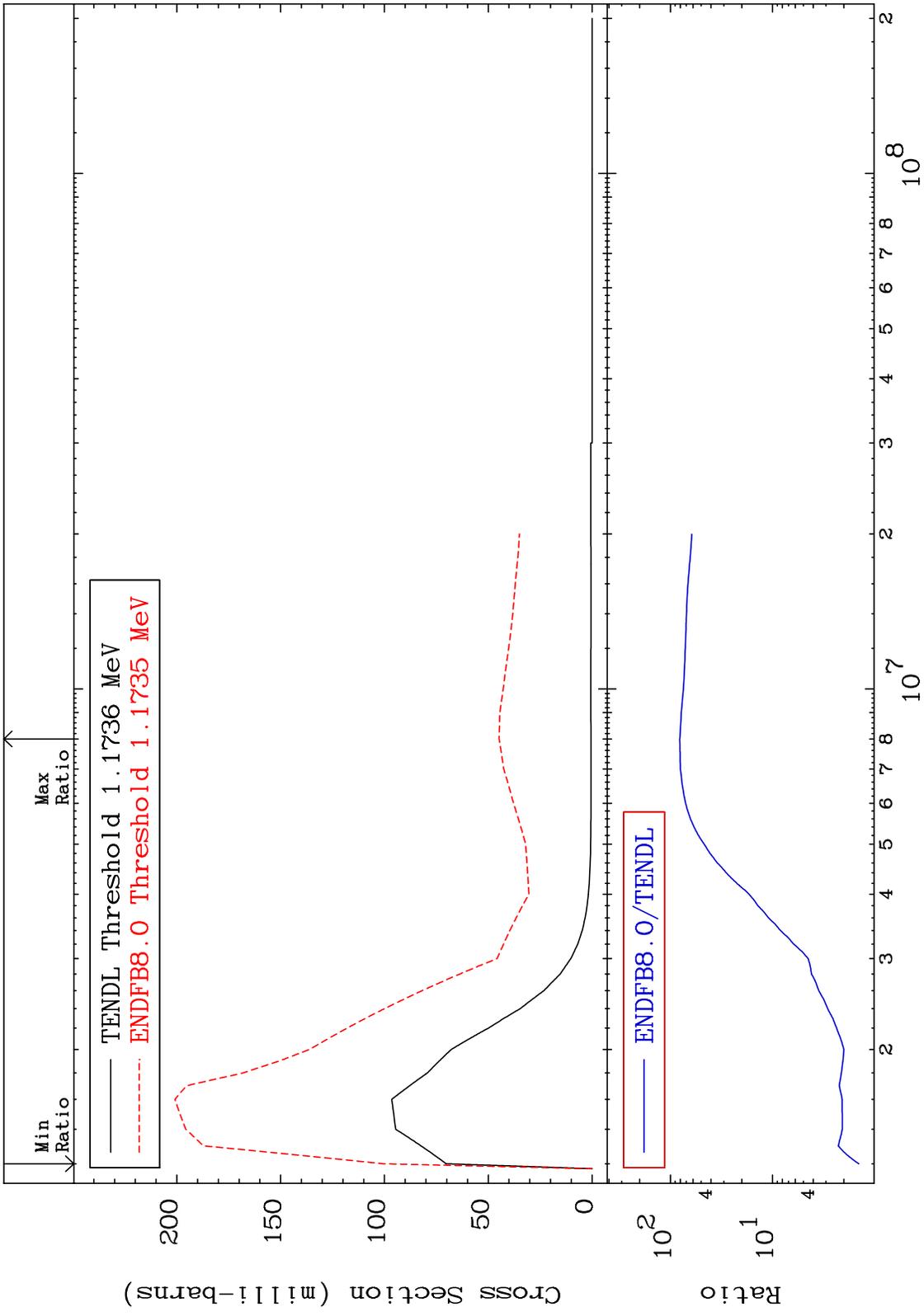


13 Incident Energy (eV) 62-Sm-150

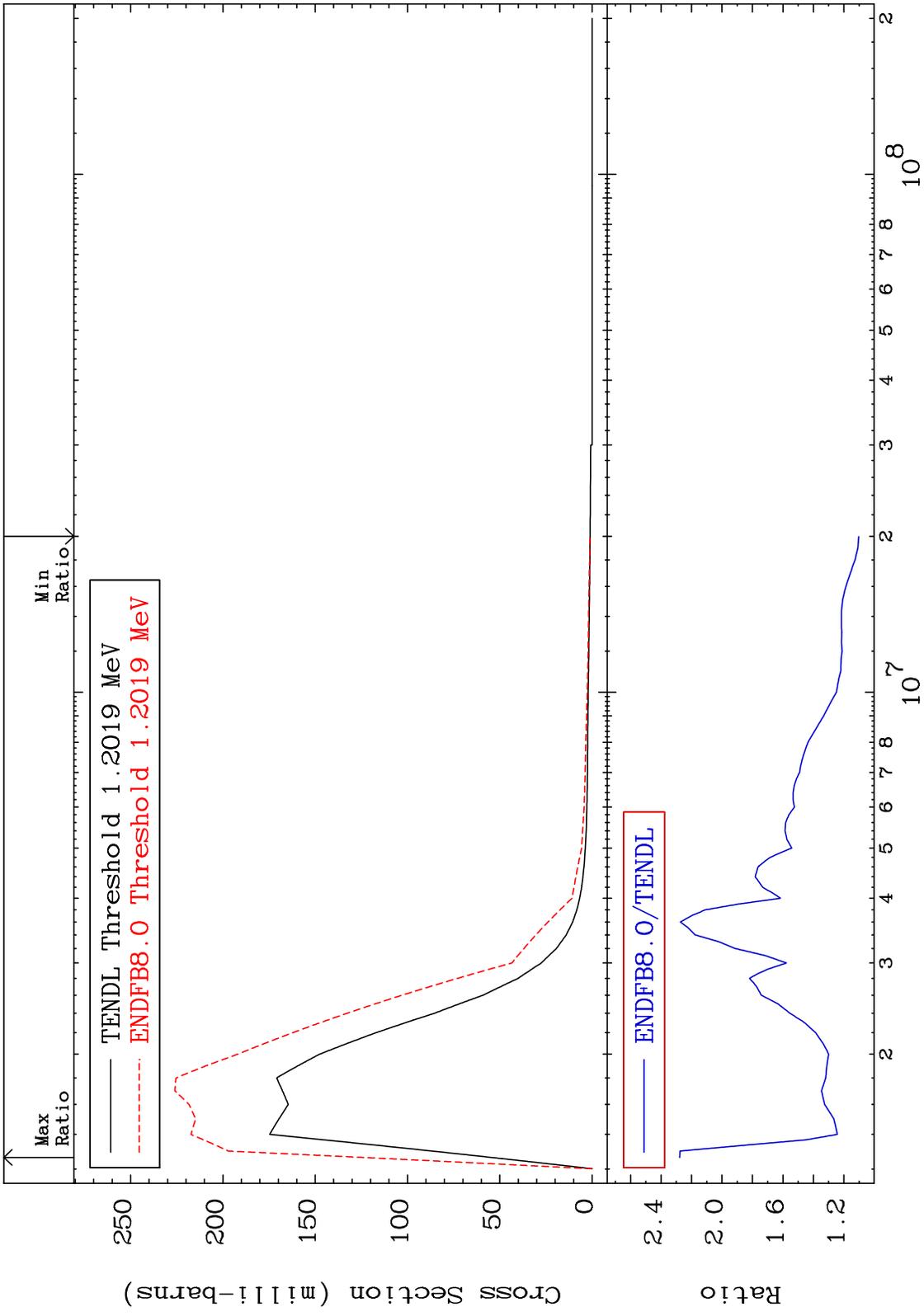
MAT 6243 MT= 55 (n,n') Level Cross Section 62-Sm-150 To 404.4 %
 11.15



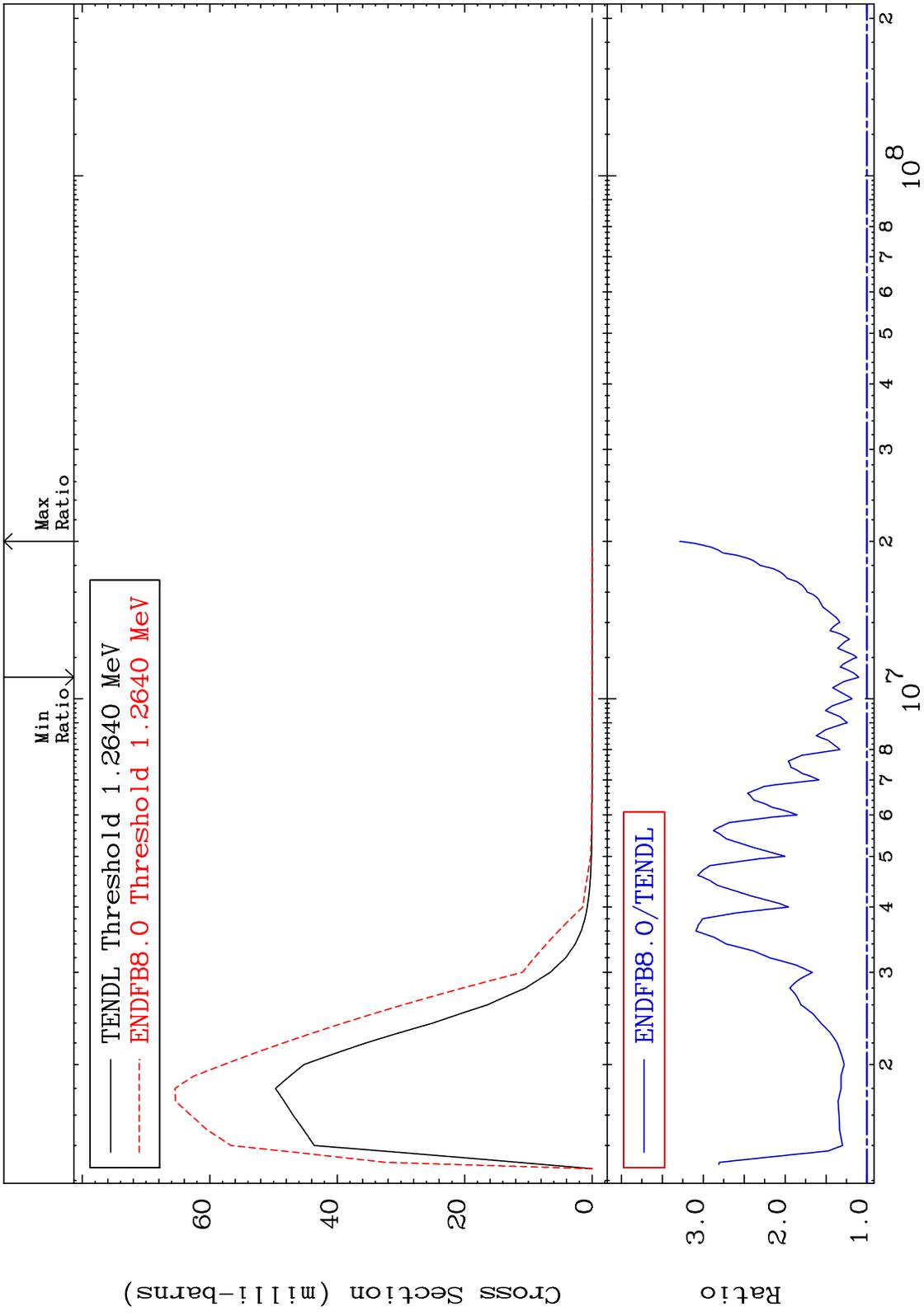
MAT 6243 MT= 56 (n,n') Level Cross Section 62-Sm-150 43.04 To 8009. %



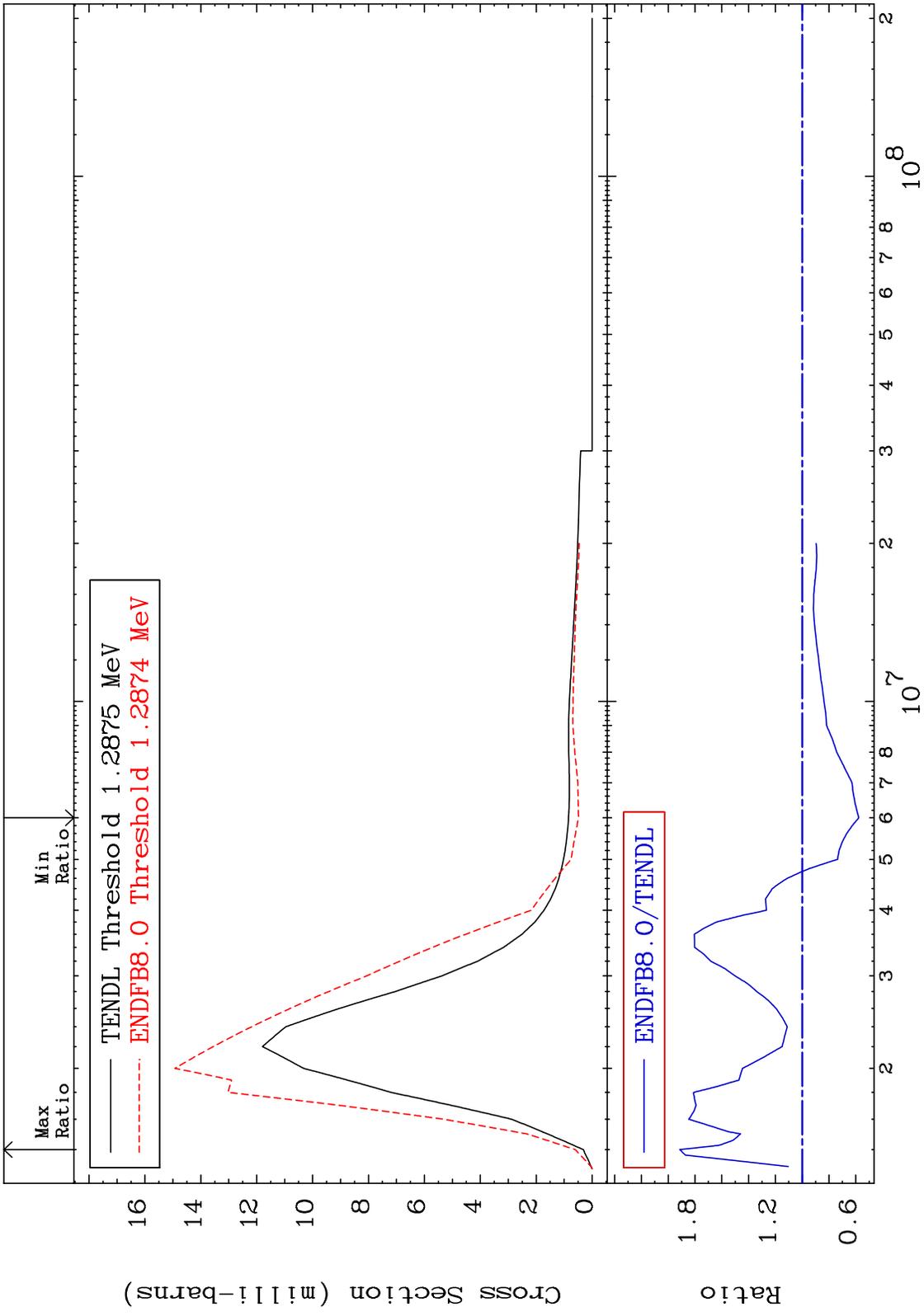
MAT 6243 MT= 57 (n,n') Level Cross Section 62-Sm-150 To 127.7 %



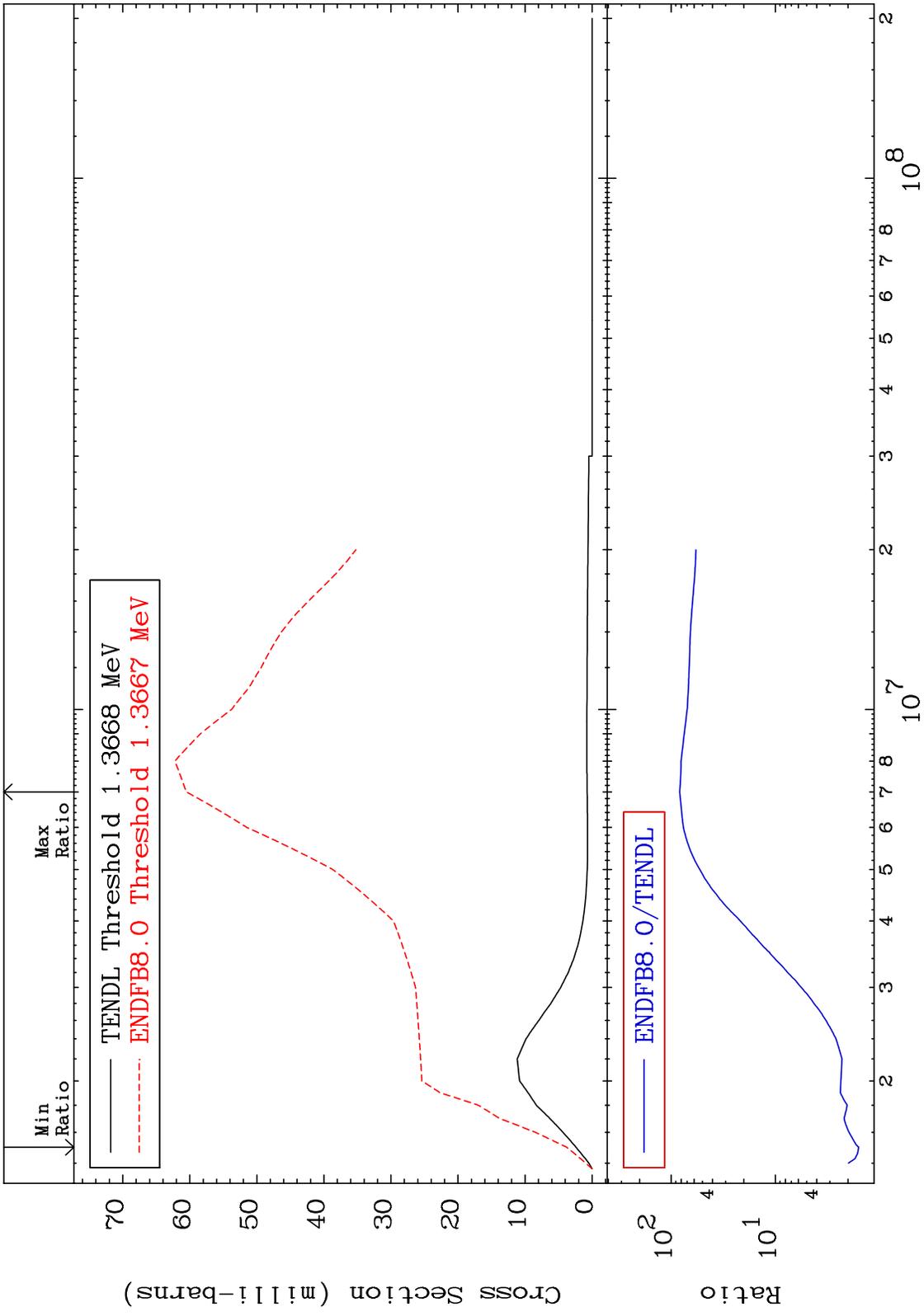
MAT 6243 MT= 58 (n,n') Level Cross Section 62-Sm-150 9.967 To 228.7 %



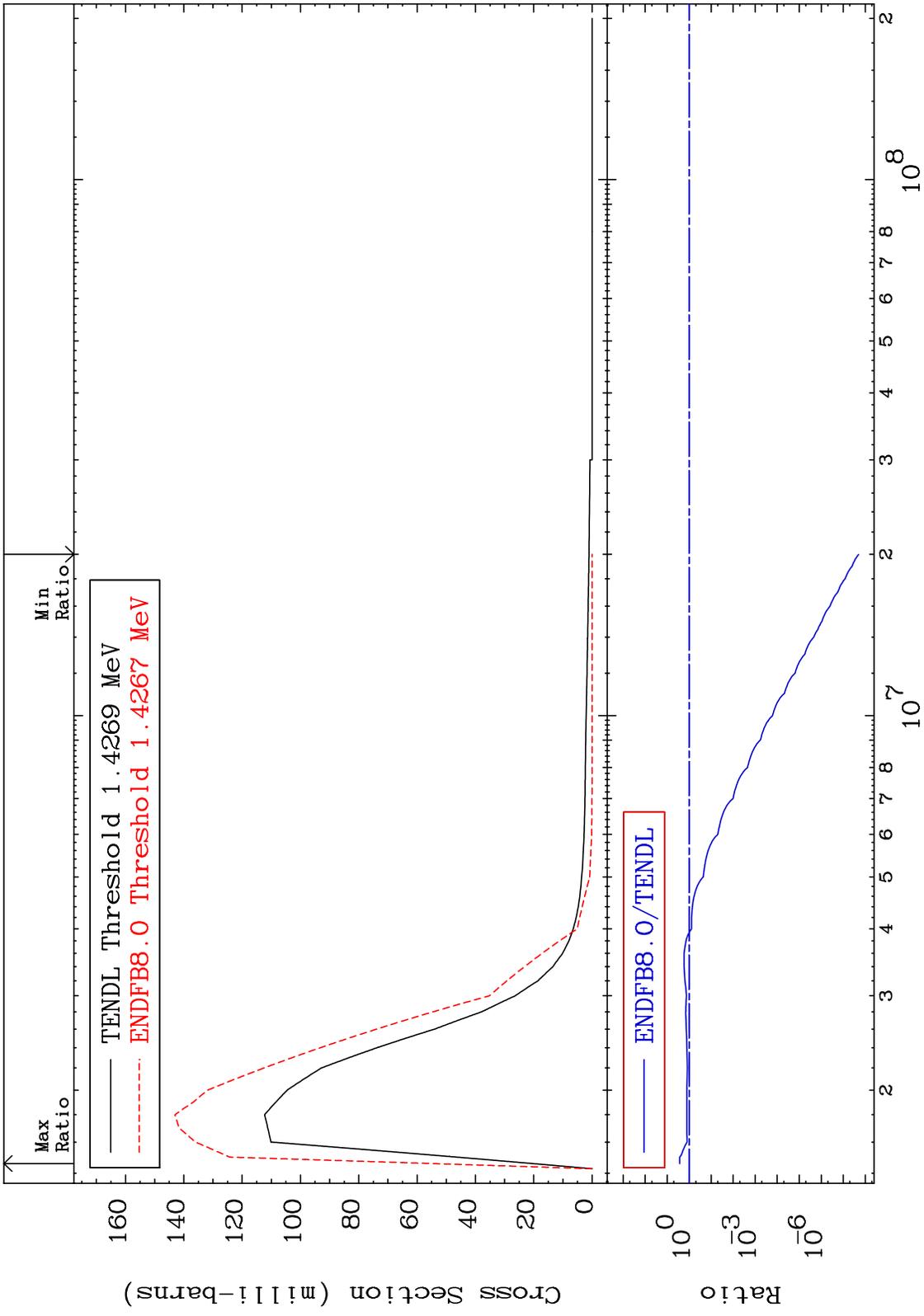
MAT 6243 MT= 59 (n,n') Level Cross Section 62-Sm-150
 -42.27 To 91.38 %



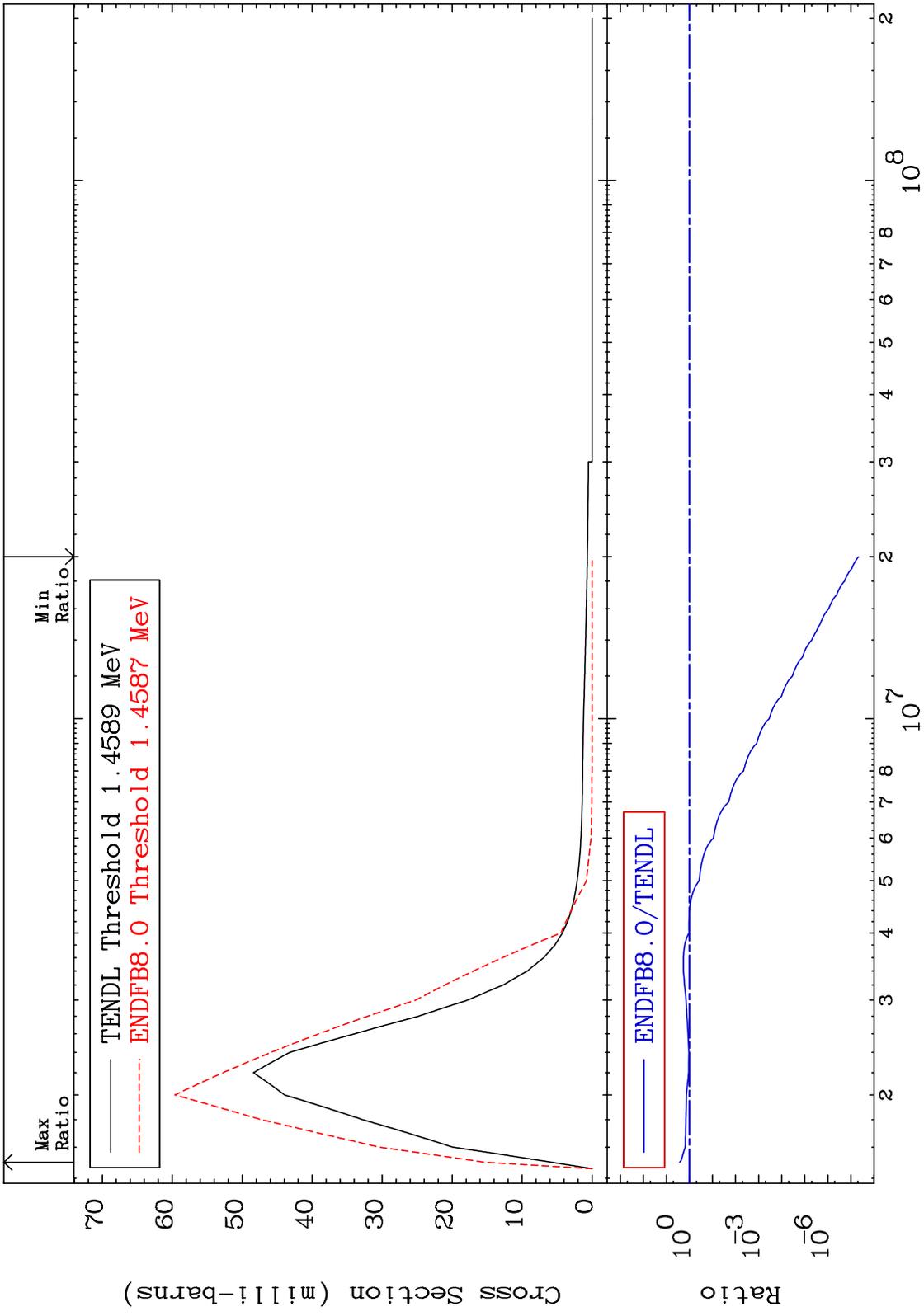
MAT 6243 MT= 60 (n,n') Level Cross Section 62-Sm-150 57.91 To 8155. %



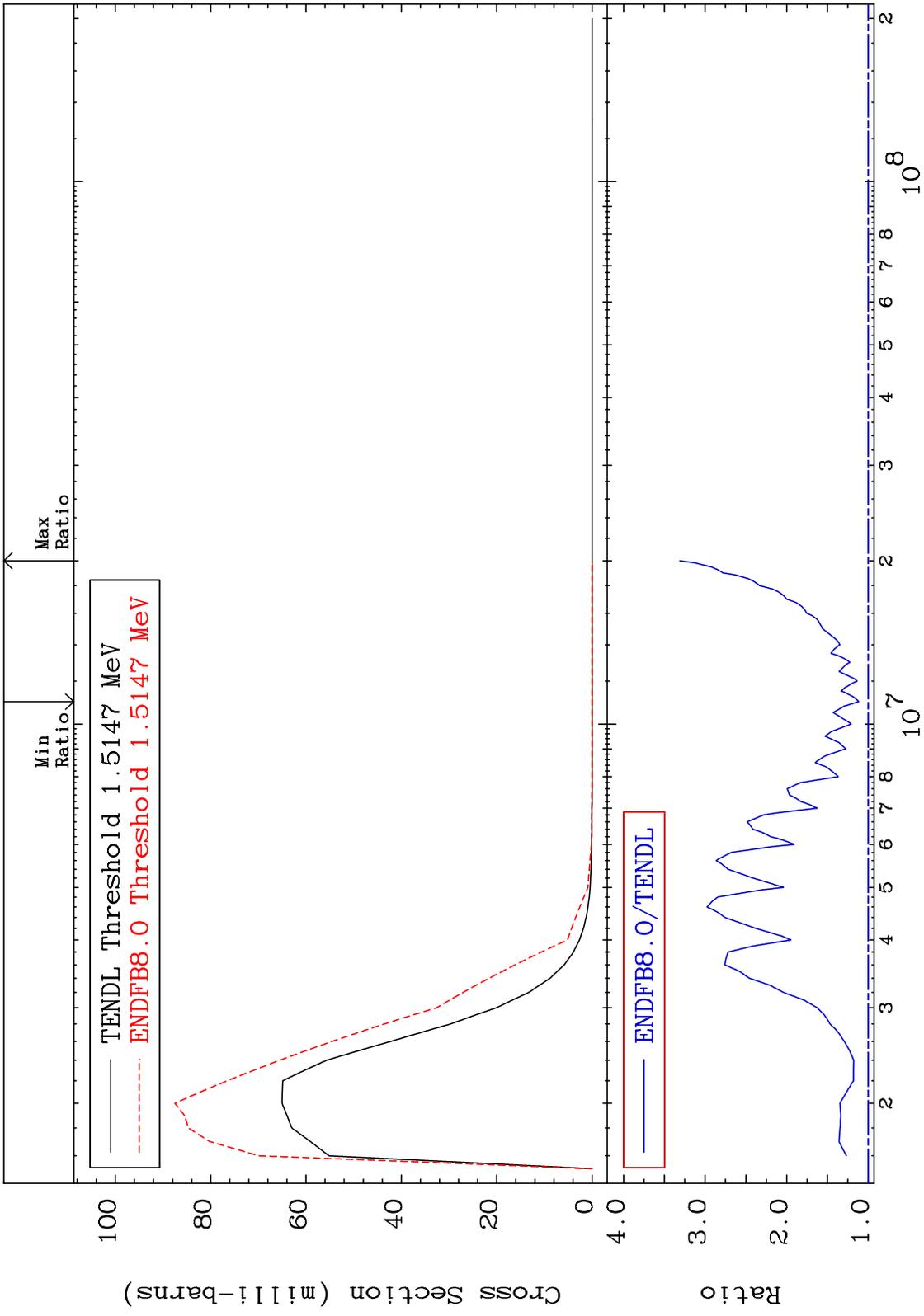
MAT 6243 MT= 61 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 168.1 %



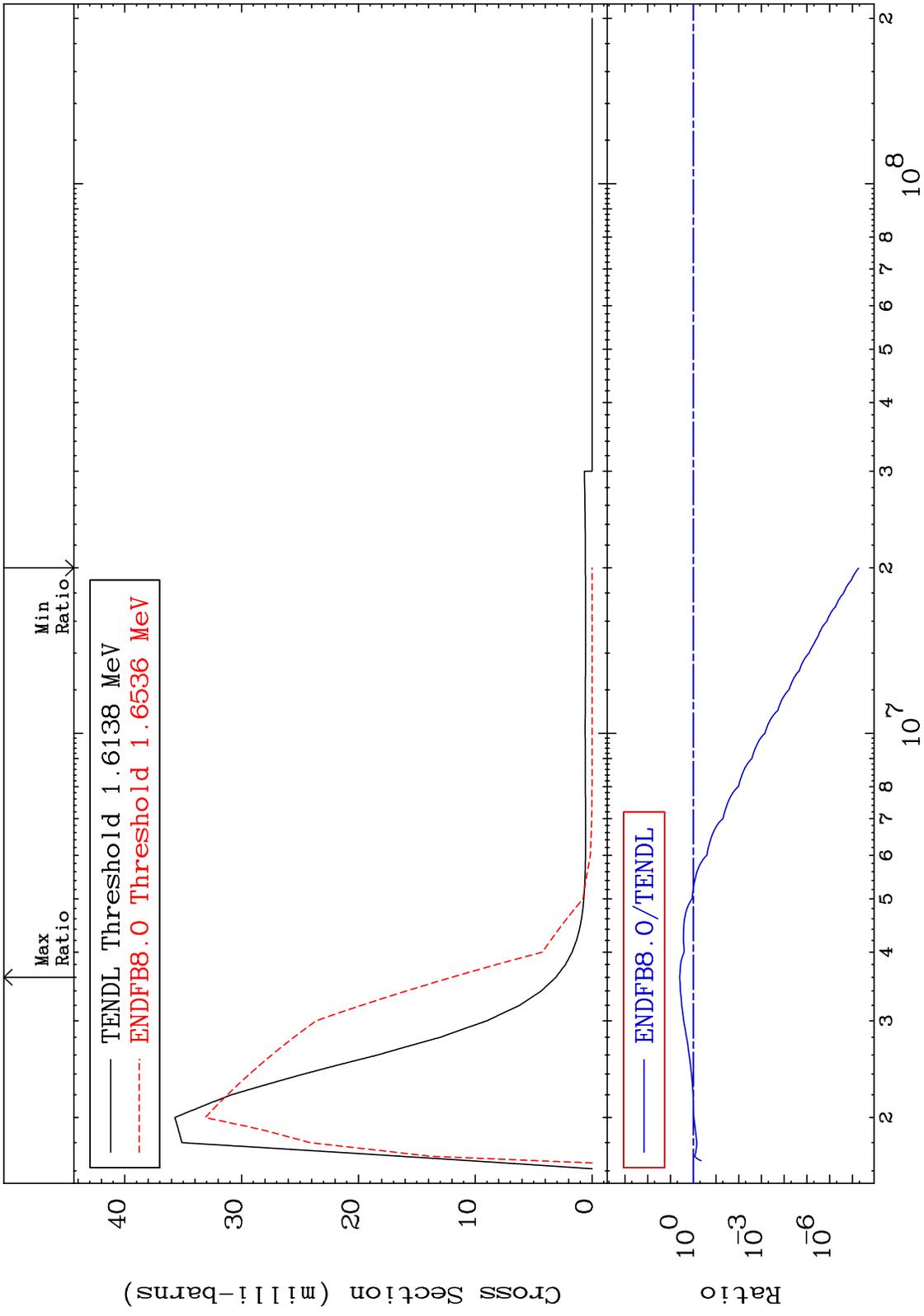
MAT 6243 MT= 62 (n,n') Level Cross Section 62-Sm-150 -100.0 To 165.0 %



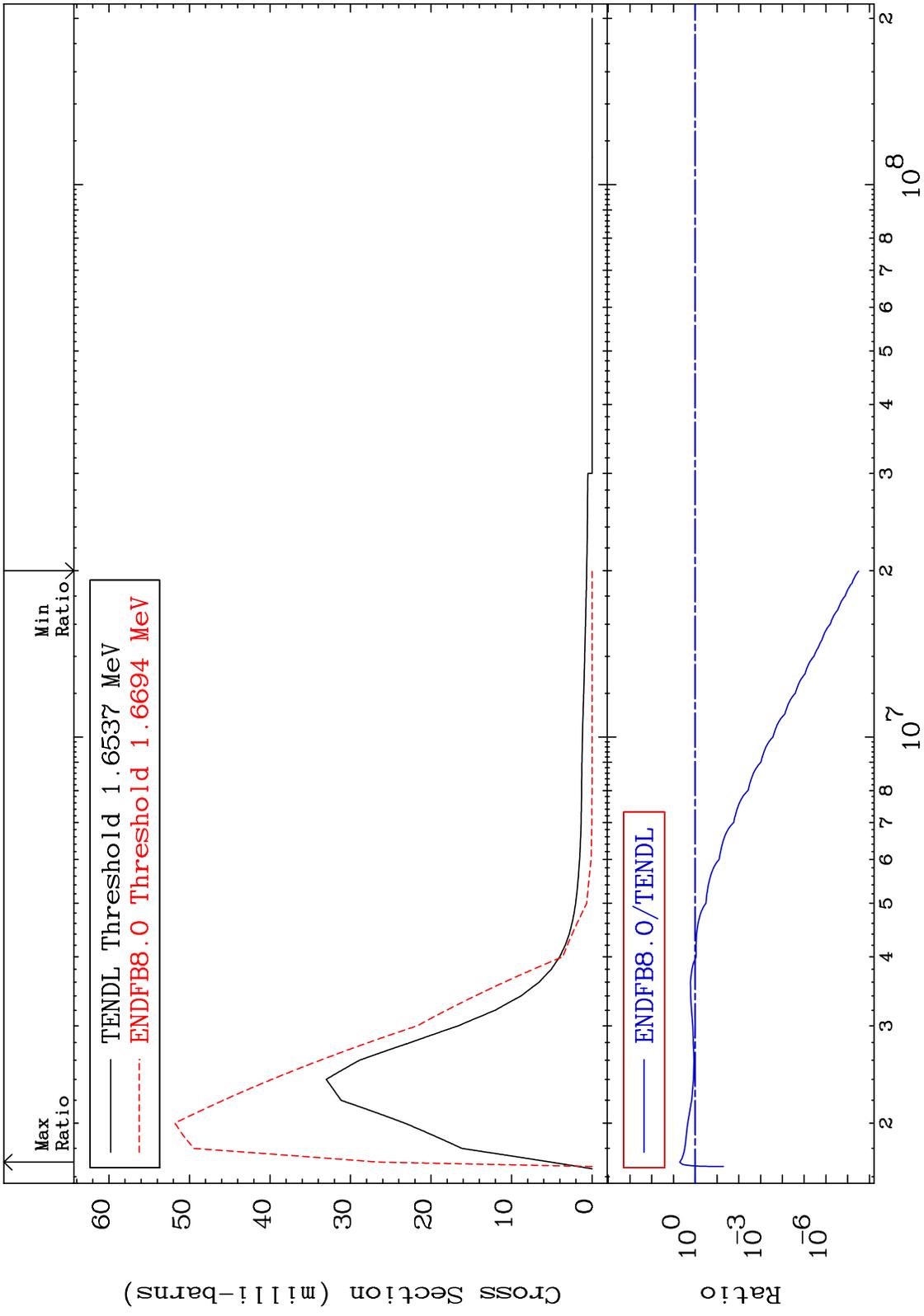
MAT 6243 MT= 63 (n,n') Level Cross Section 62-Sm-150 11.39 To 231.2 %



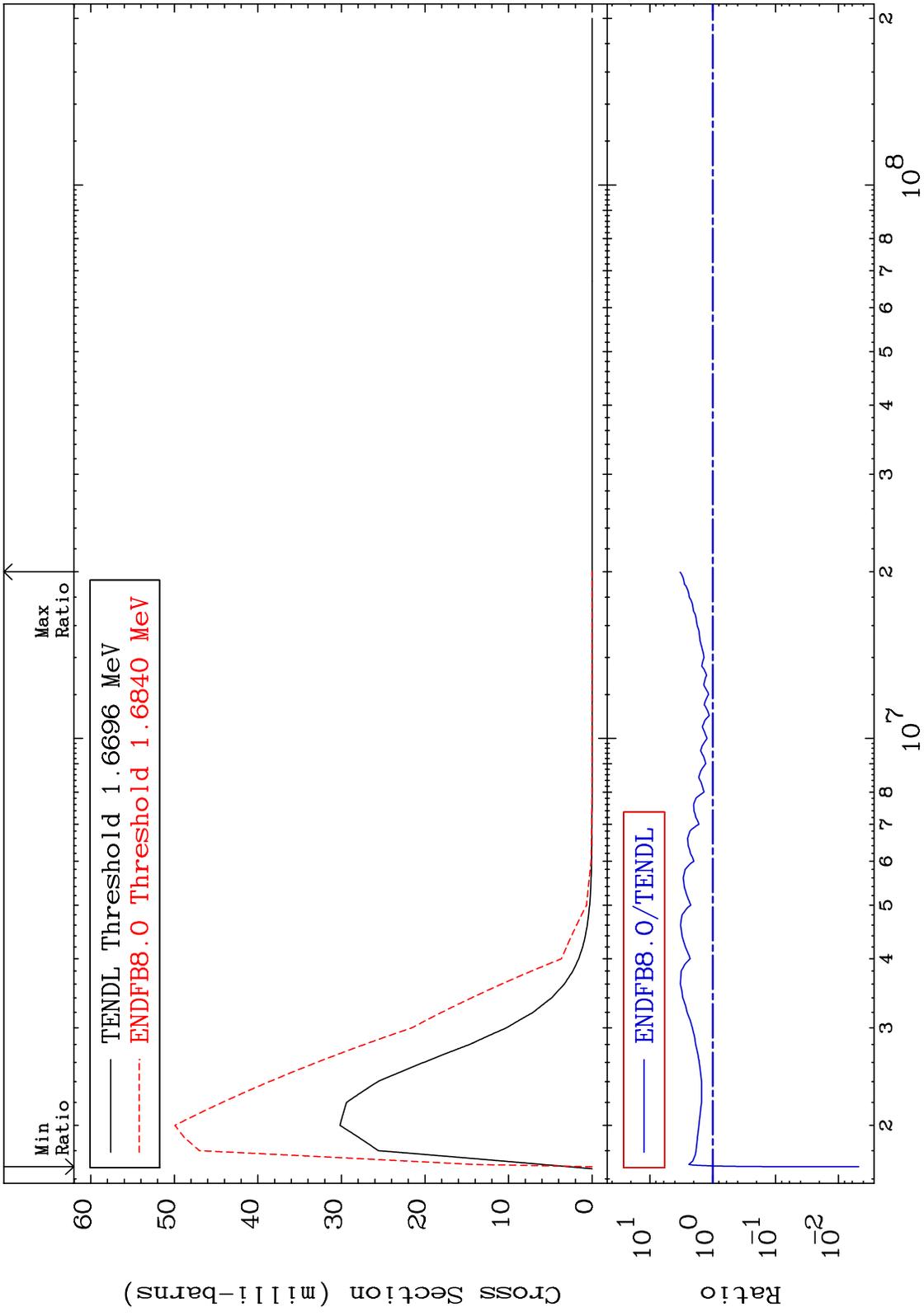
MAT 6243 MT= 64 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 288.0 %



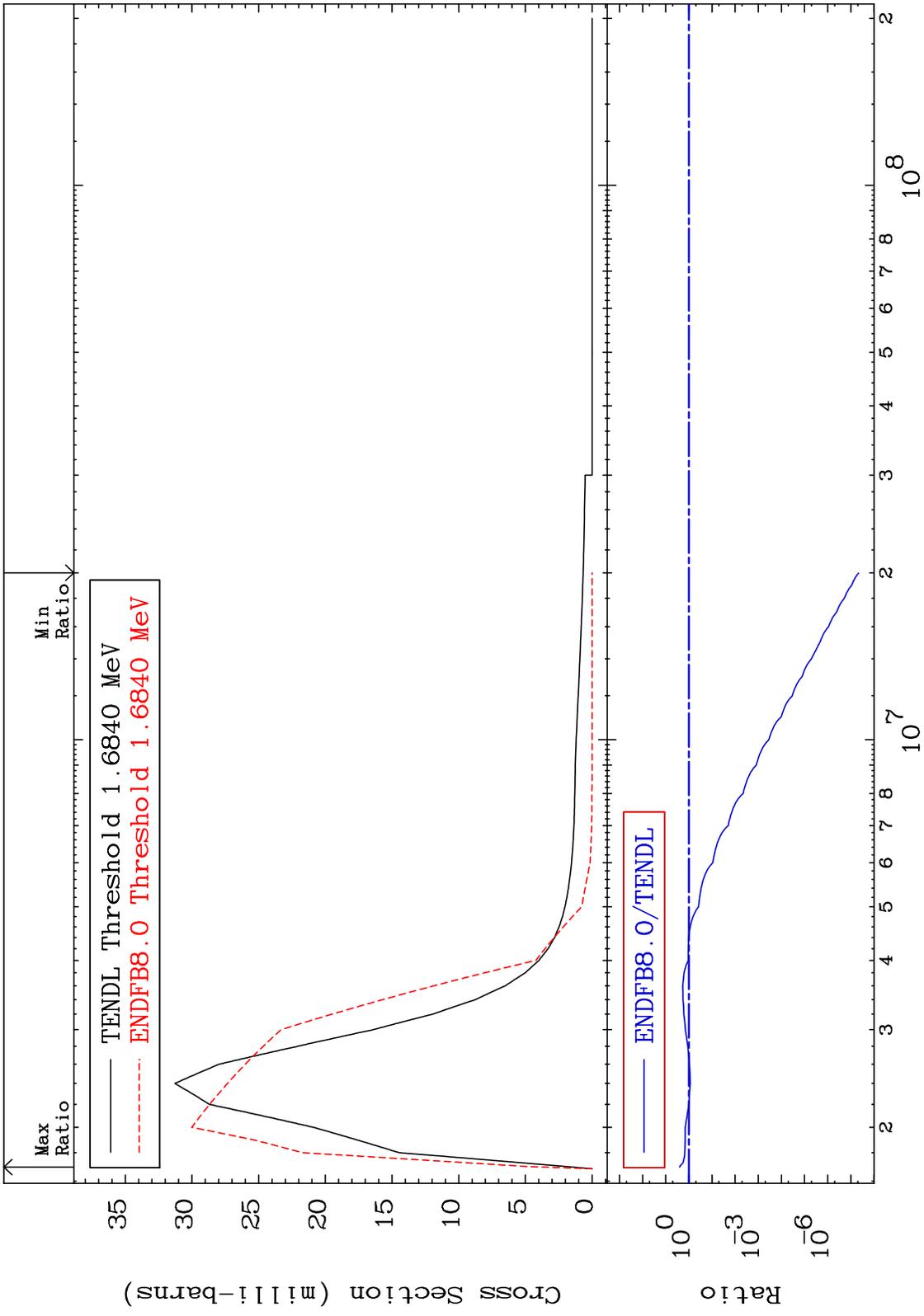
MAT 6243 MT= 65 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 417.1 %



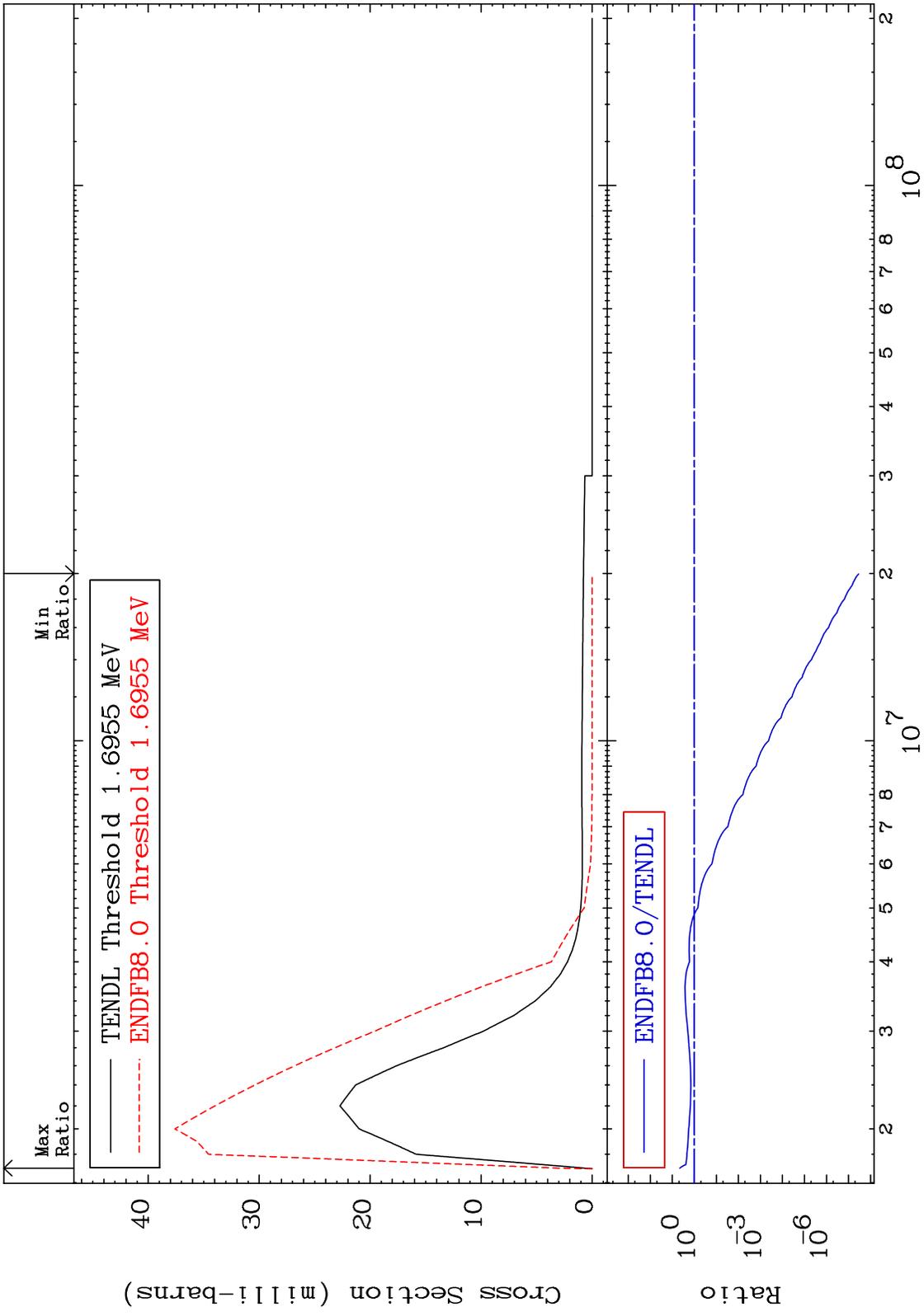
MAT 6243 MT= 66 (n,n') Level Cross Section 62-Sm-150
 -99.53 To 234.1 %



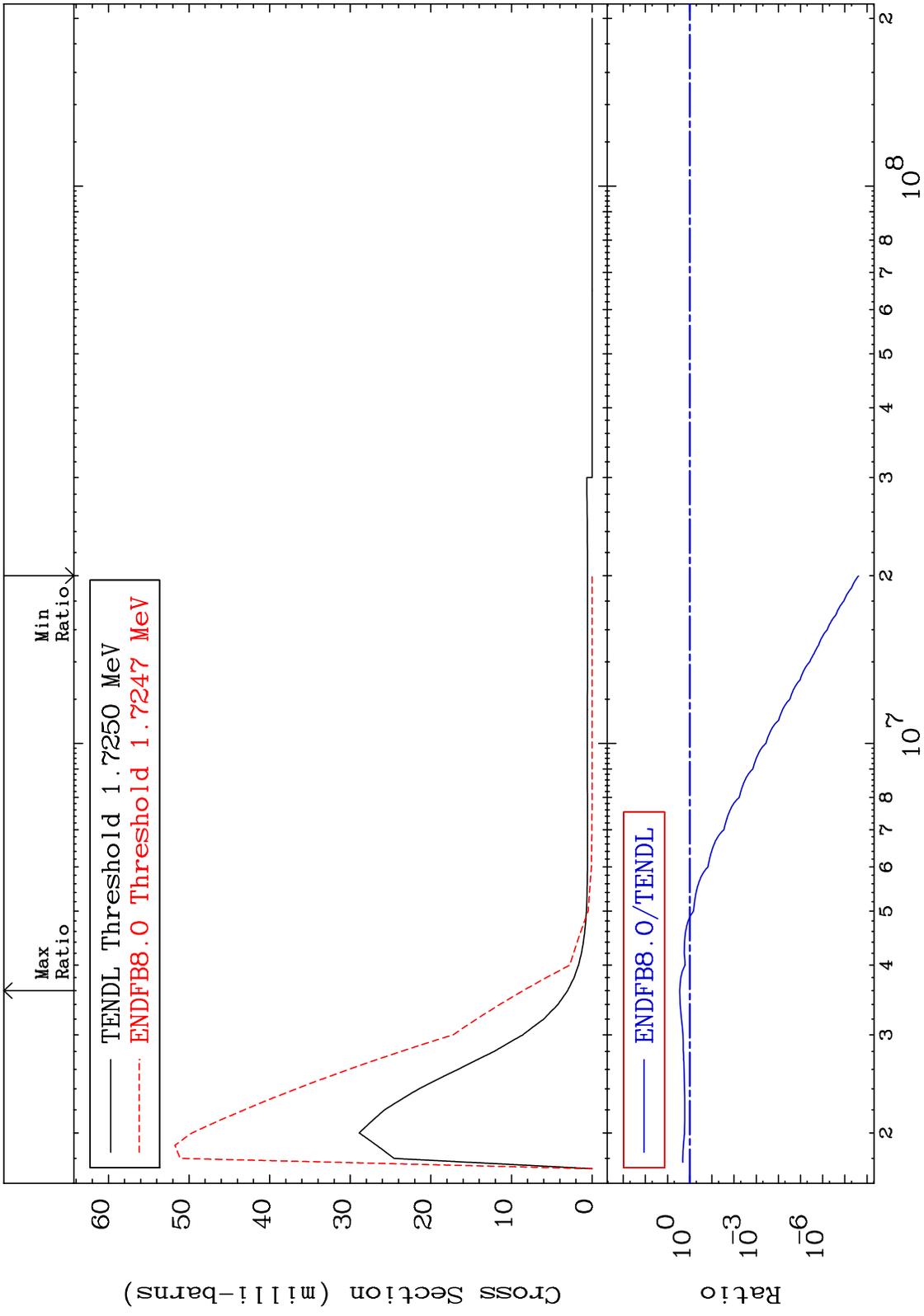
MAT 6243 MT= 67 (n,n') Level Cross Section 62-Sm-150 -100.0 To 147.5 %



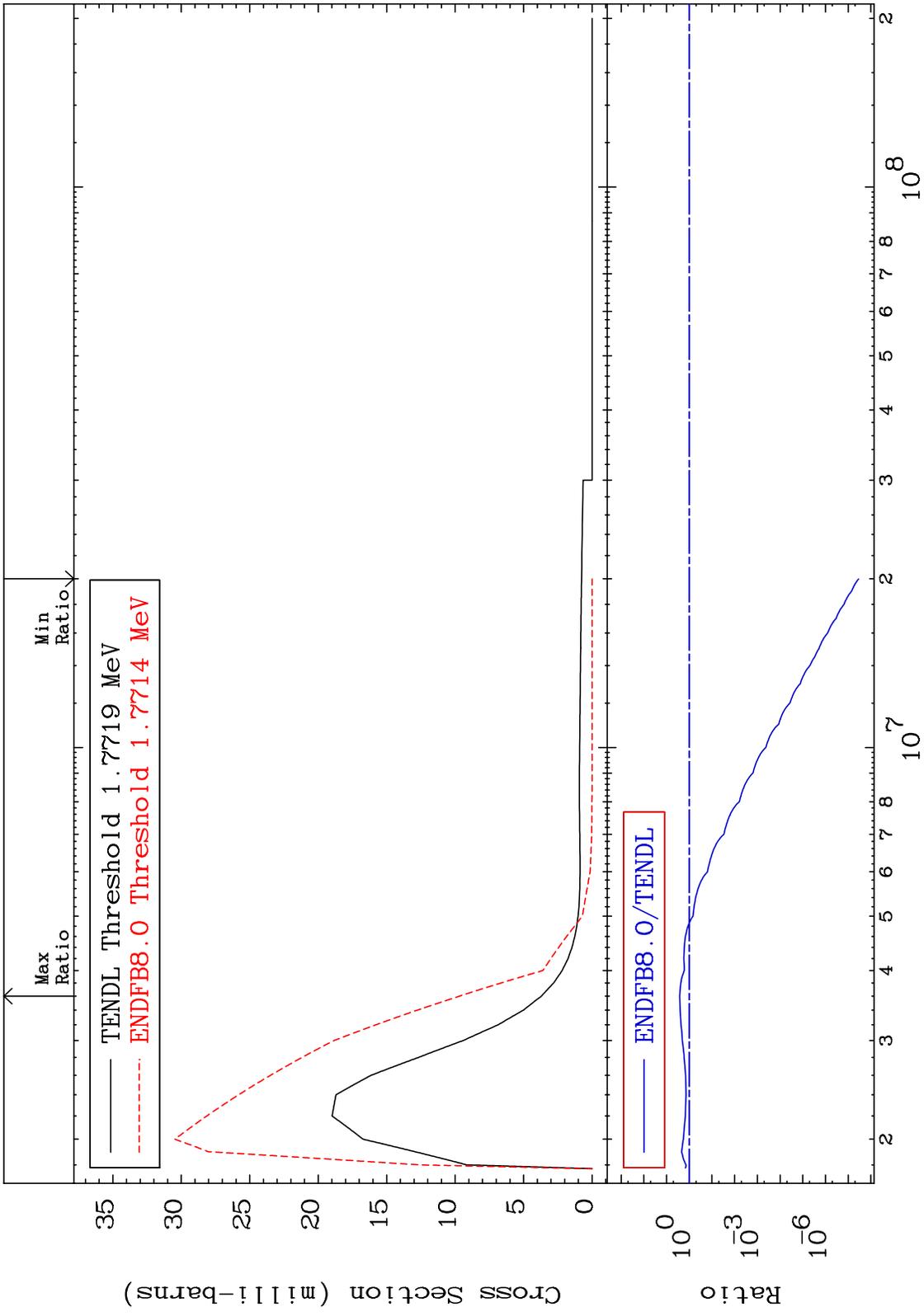
MAT 6243 MT= 68 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 359.5 %



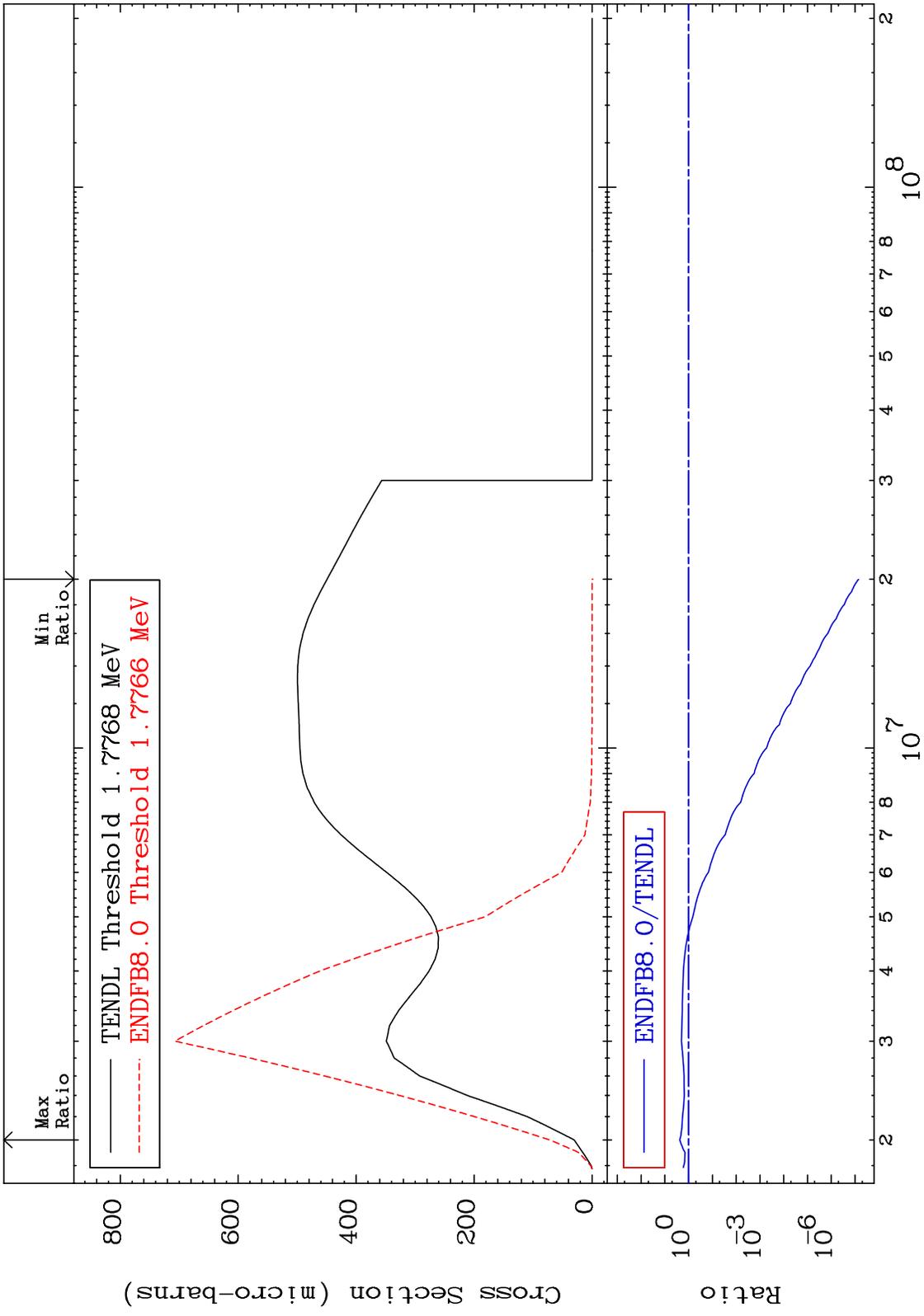
MAT 6243 MT= 69 (n,n') Level Cross Section 62-Sm-150 -100.0 To 182.1 %



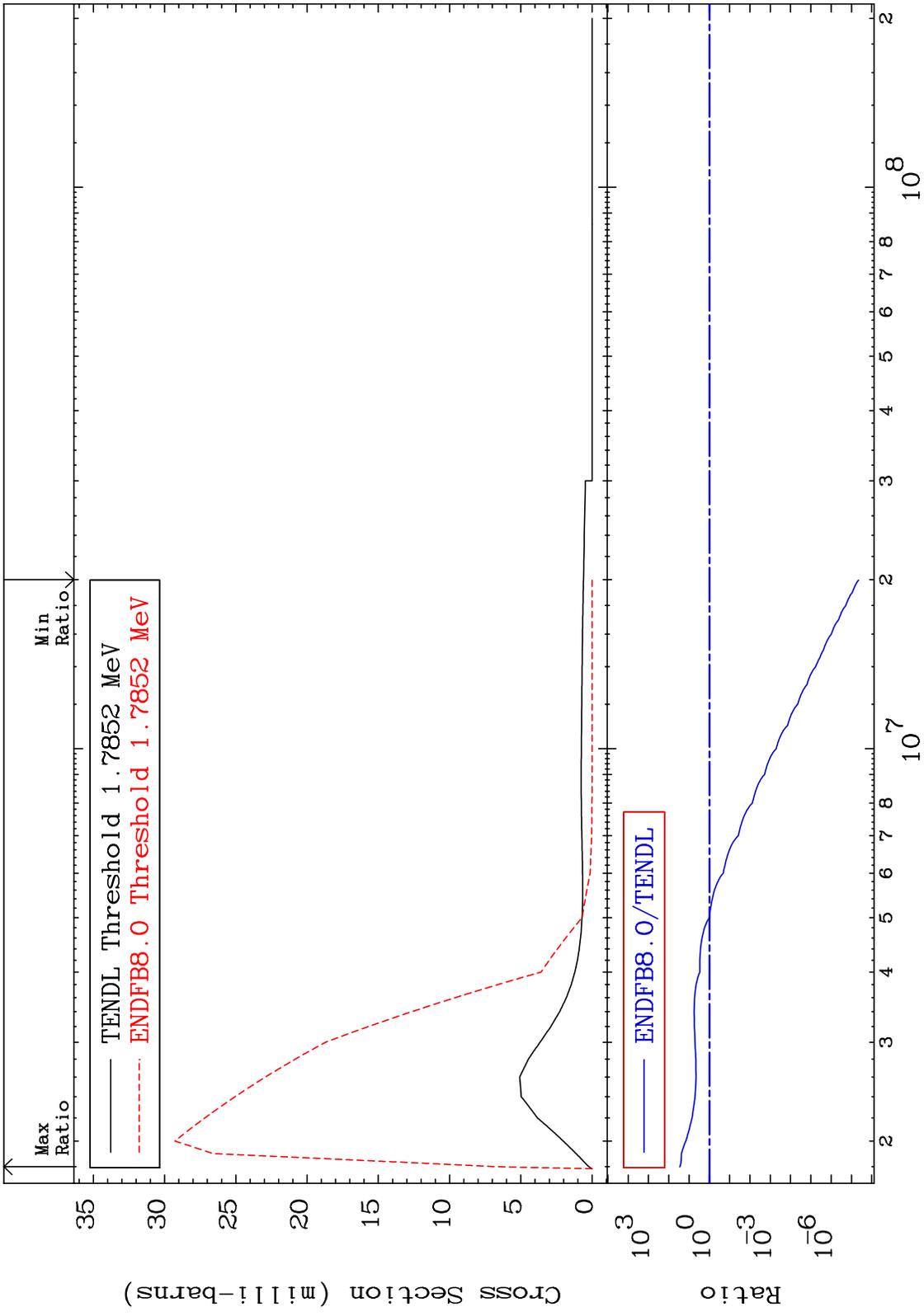
MAT 6243 MT= 70 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 161.7 %



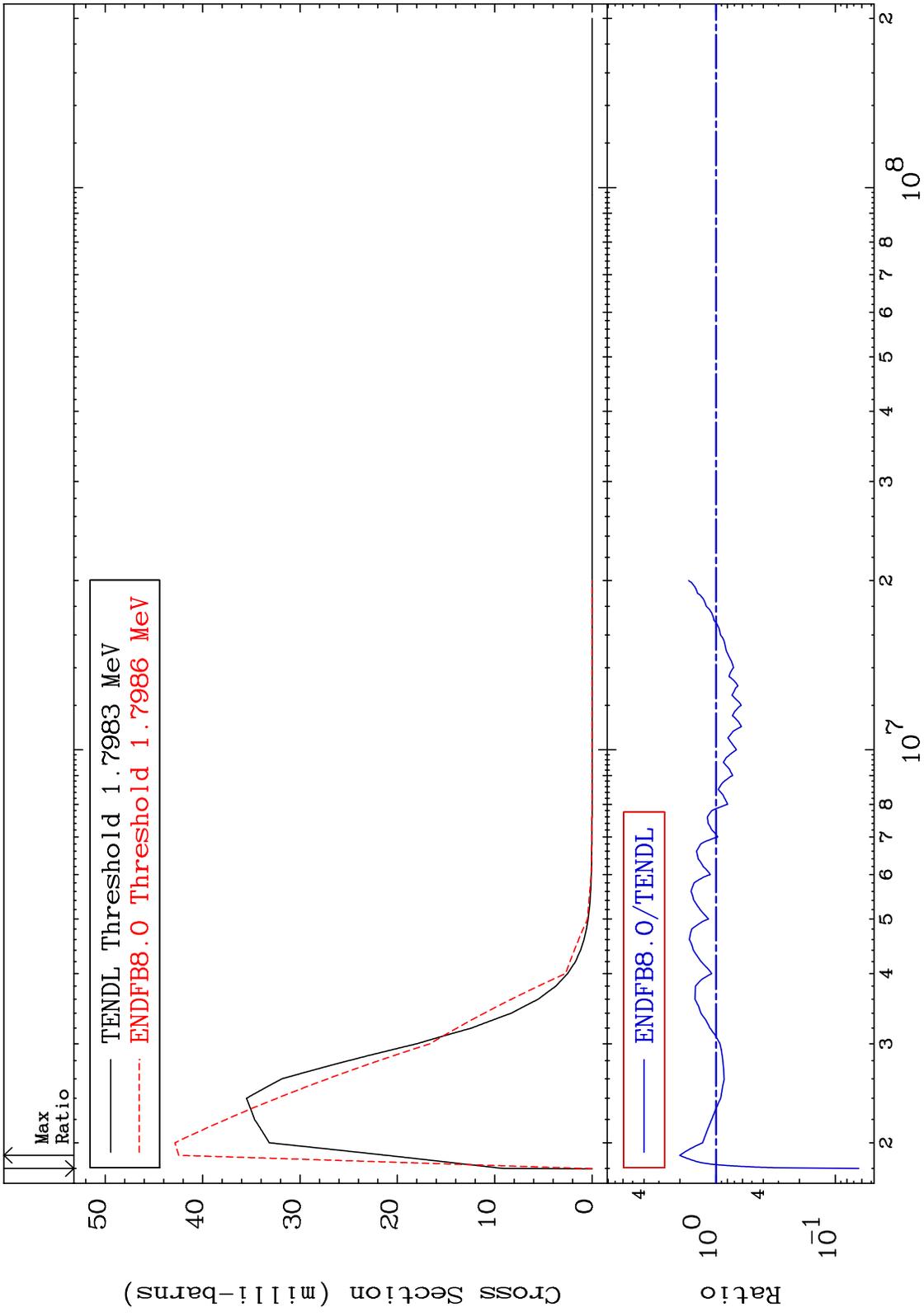
MAT 6243 MT= 71 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 137.1 %



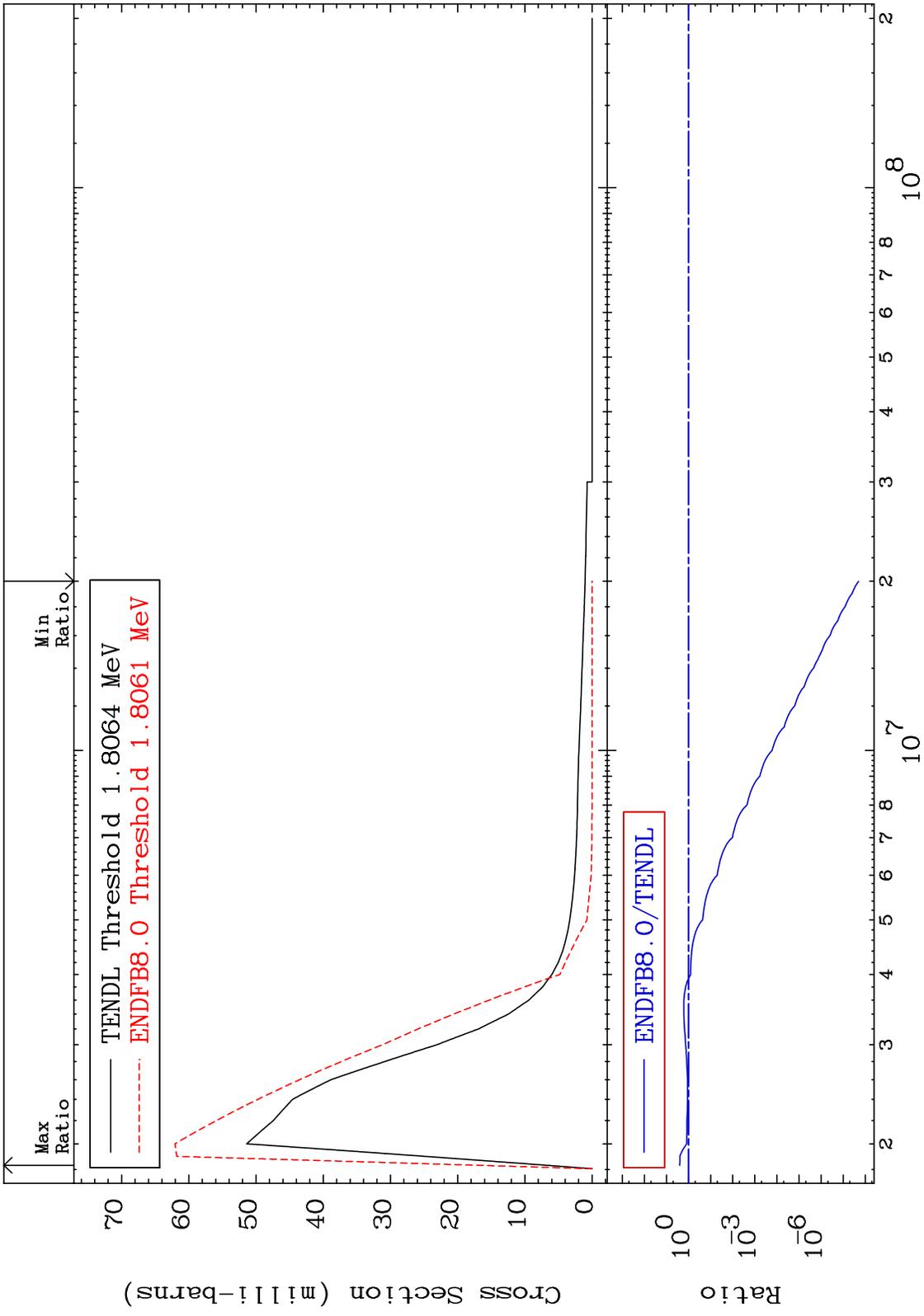
MAT 6243 MT= 72 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 2776. %



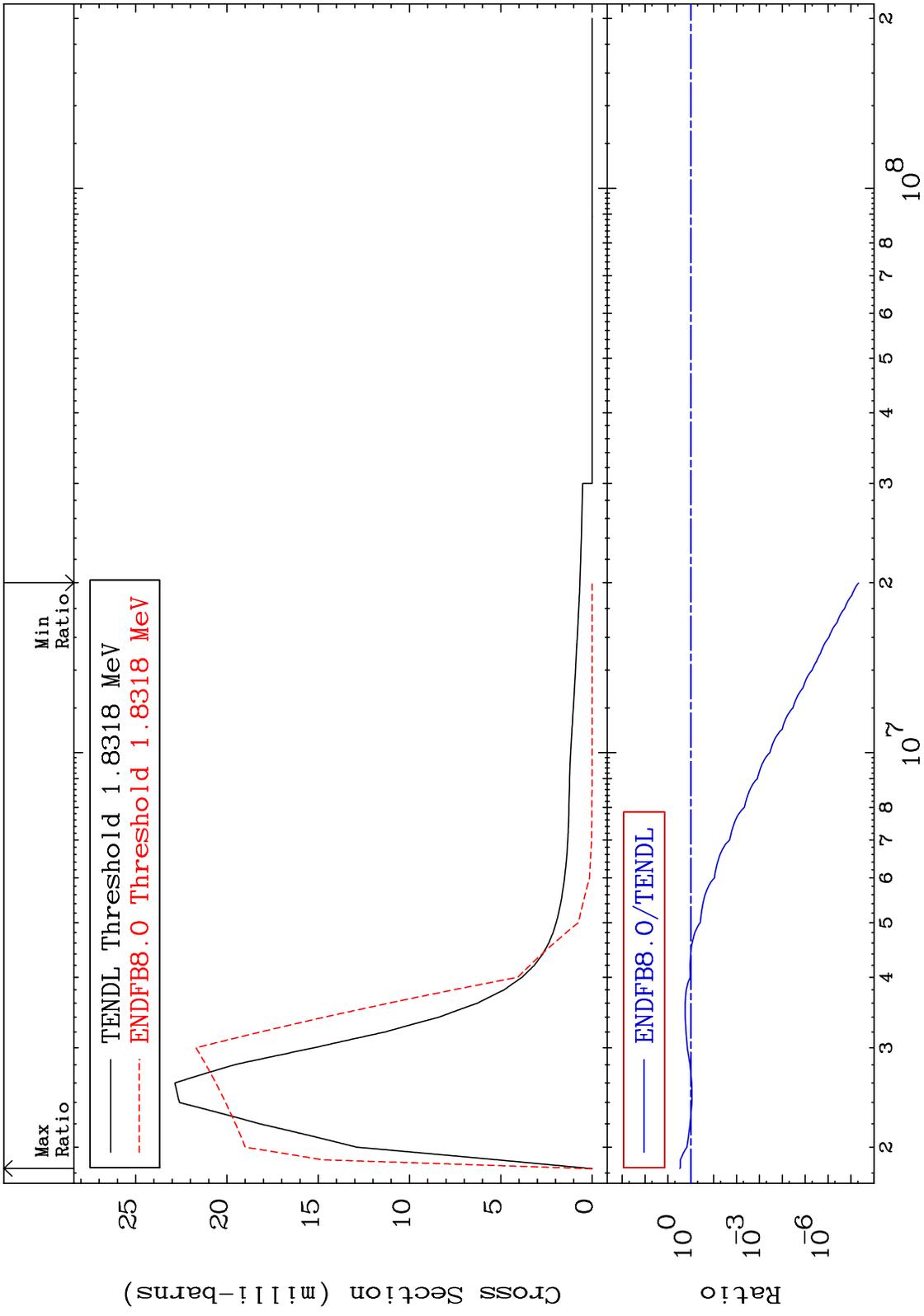
MAT 6243 MT= 73 (n,n') Level Cross Section 62-Sm-150
 -93.65 To 101.0 %



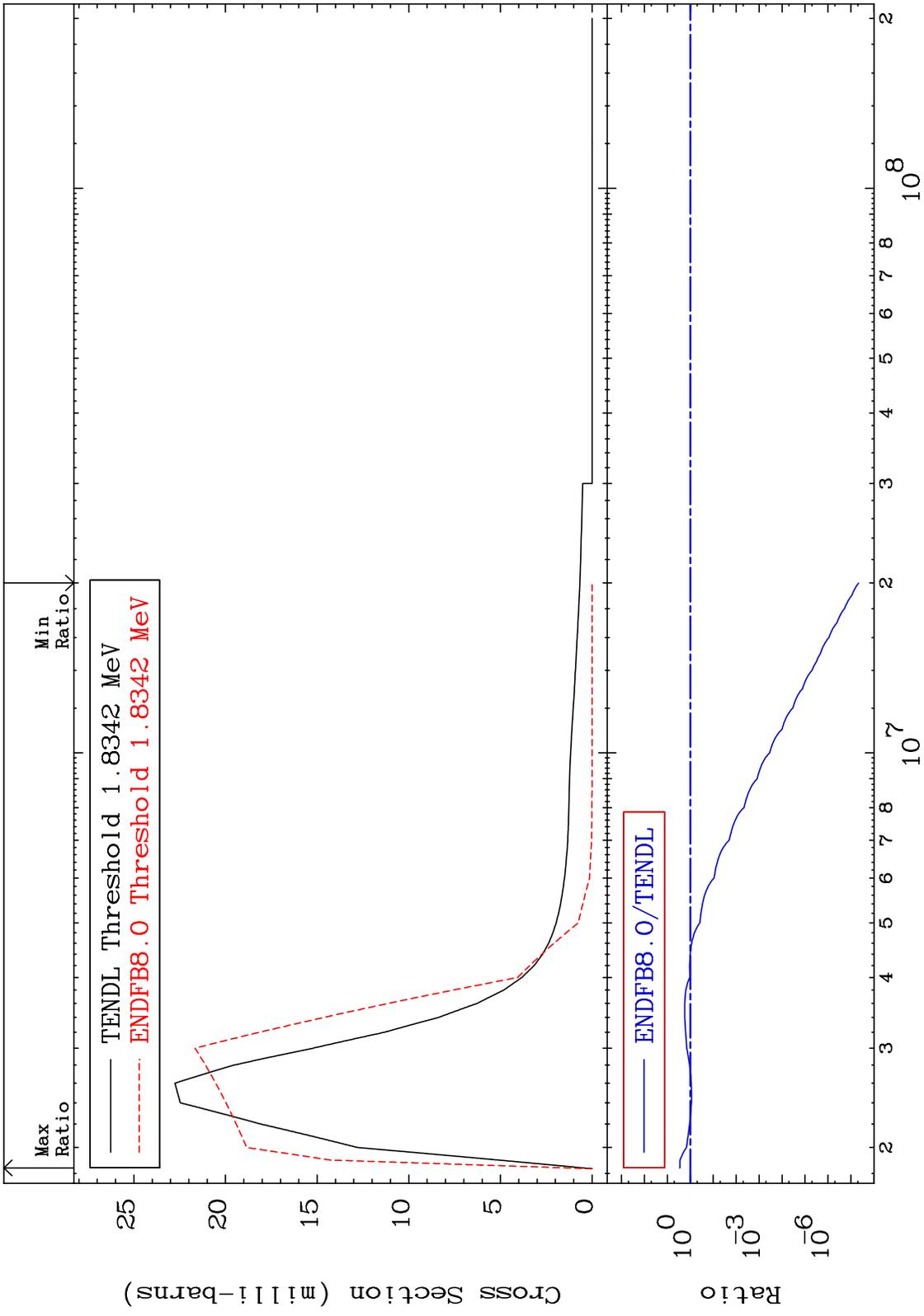
MAT 6243 MT= 74 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 150.8 %



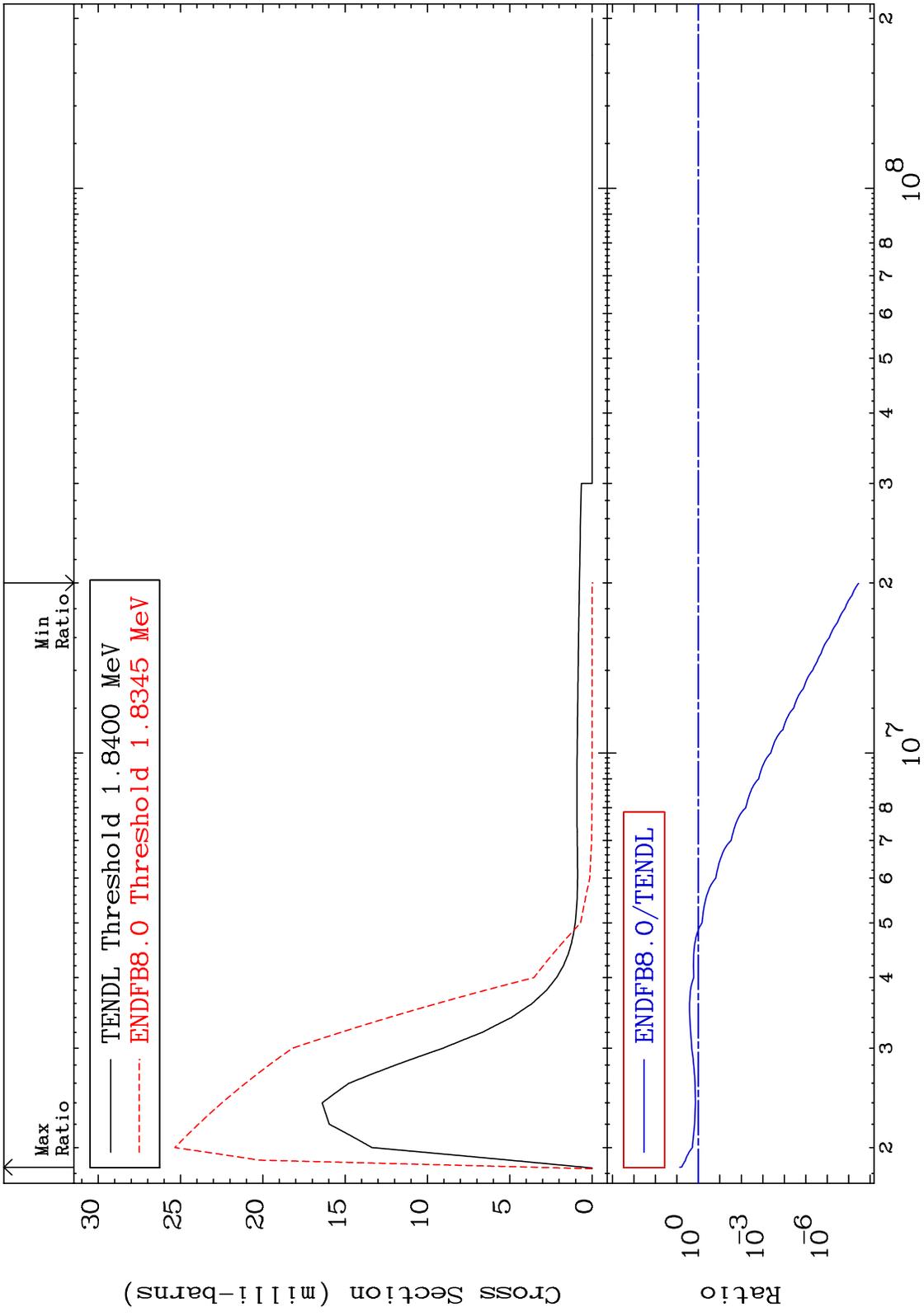
MAT 6243 MT= 75 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 202.8 %



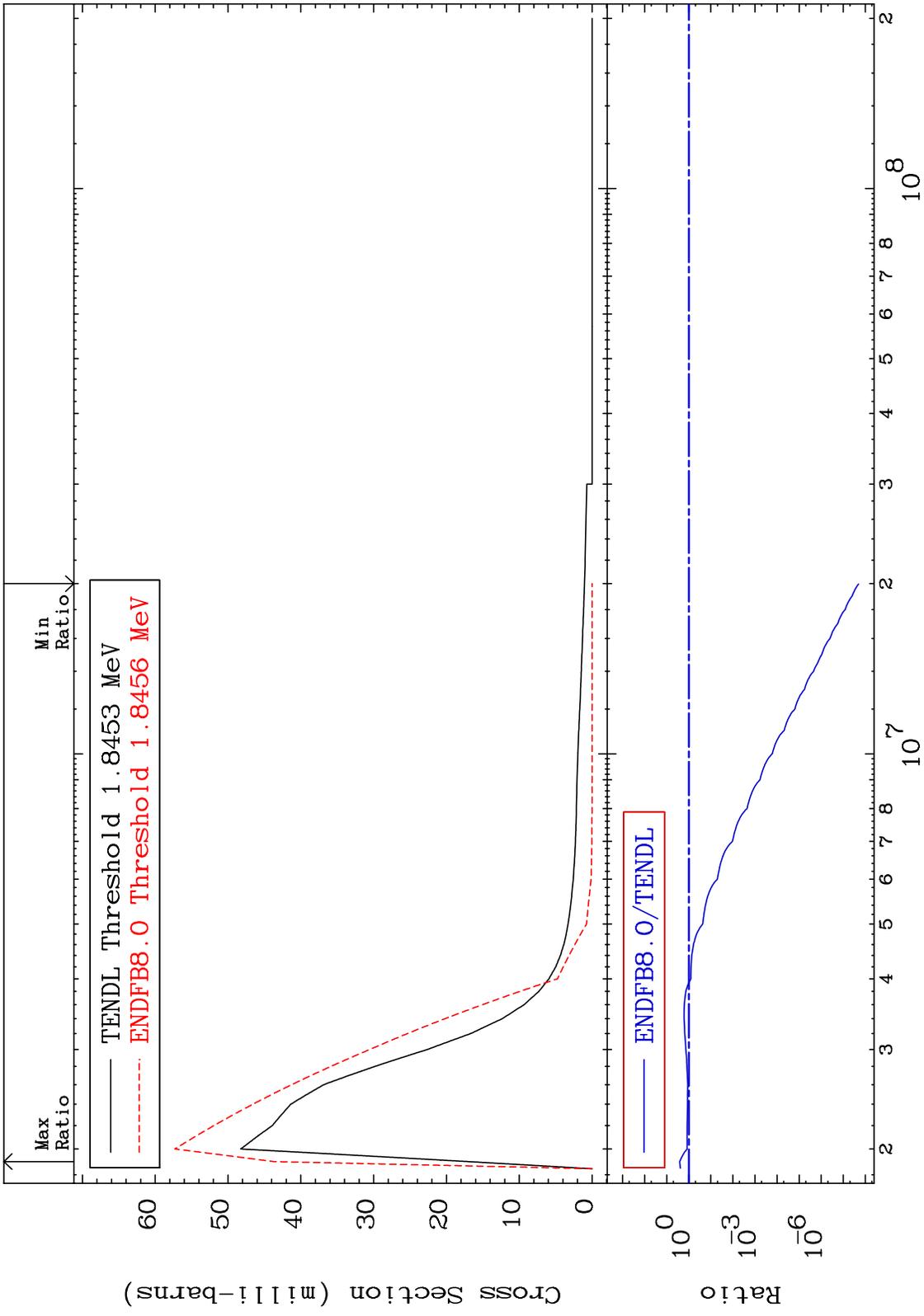
MAT 6243 MT= 76 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 188.4 %



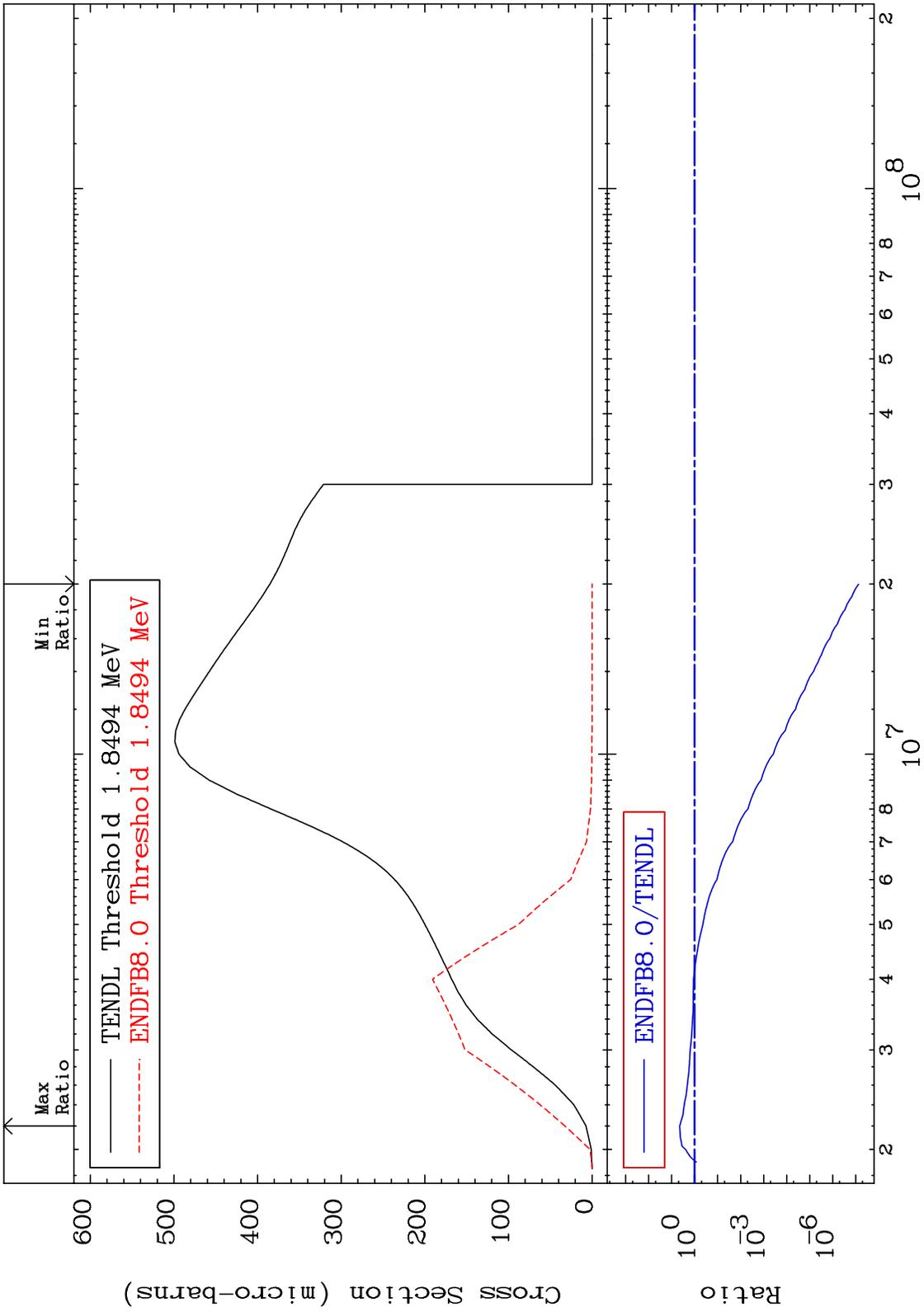
MAT 6243 MT= 77 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 633.6 %



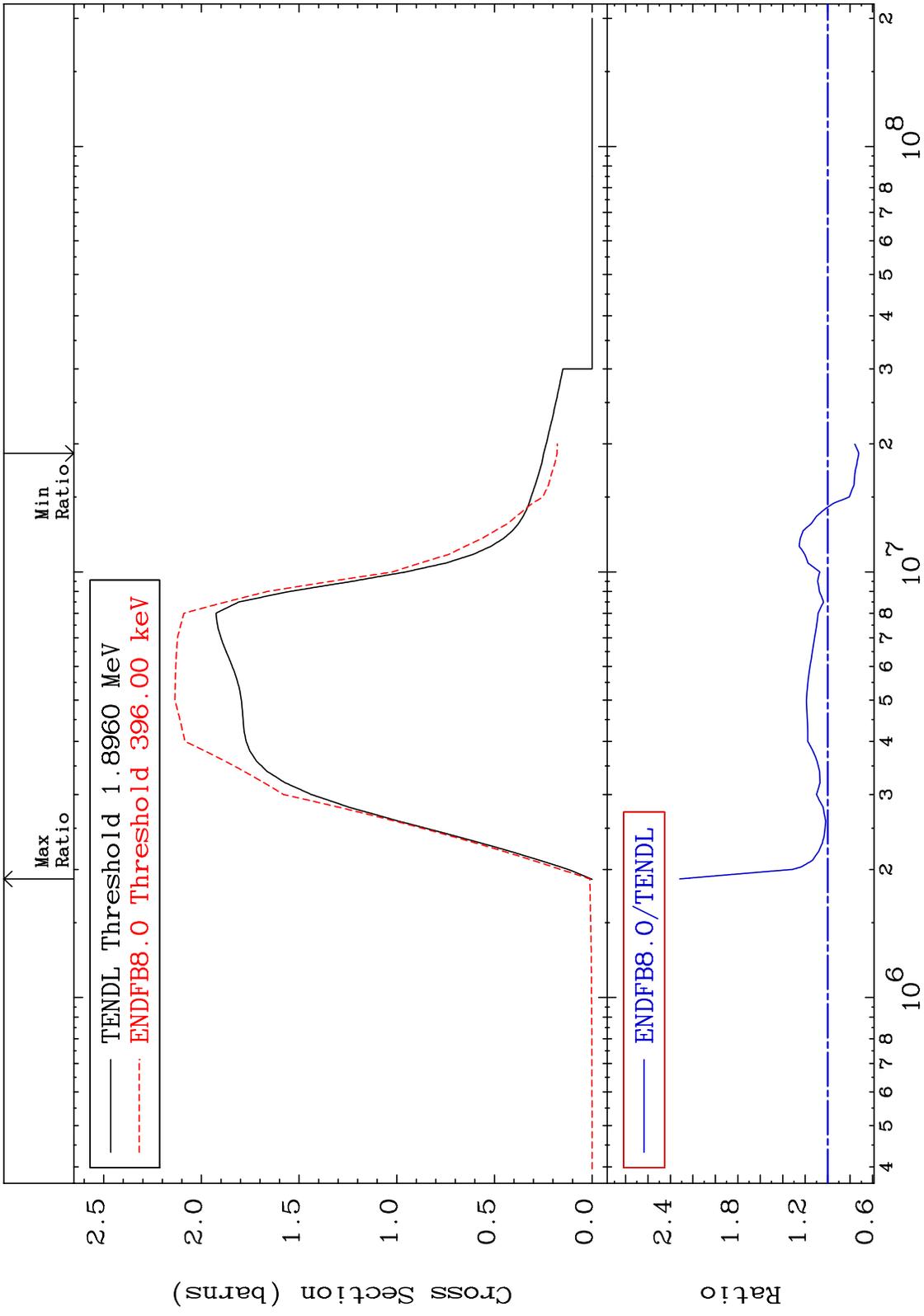
MAT 6243 MT= 78 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 156.5 %



MAT 6243 MT= 79 (n,n') Level Cross Section 62-Sm-150
 -100.0 To 345.7 %



MAT 6243 (n,n') Continuum Cross Section 62-Sm-150 -27.75 To 131.7 %



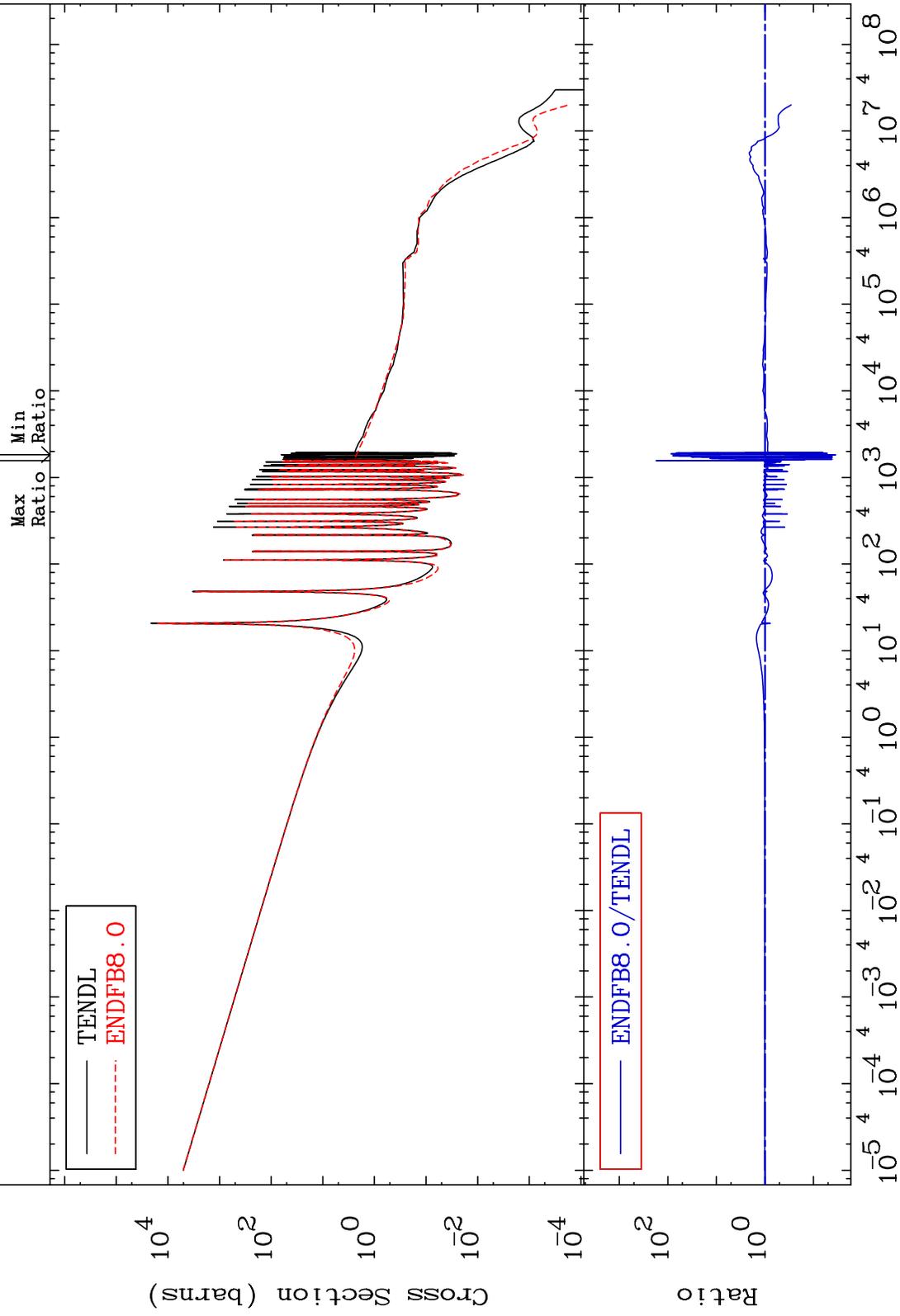
MAT 6243

(n, γ)

62-Sm-150

-96.50 To 9999. %

Cross Section

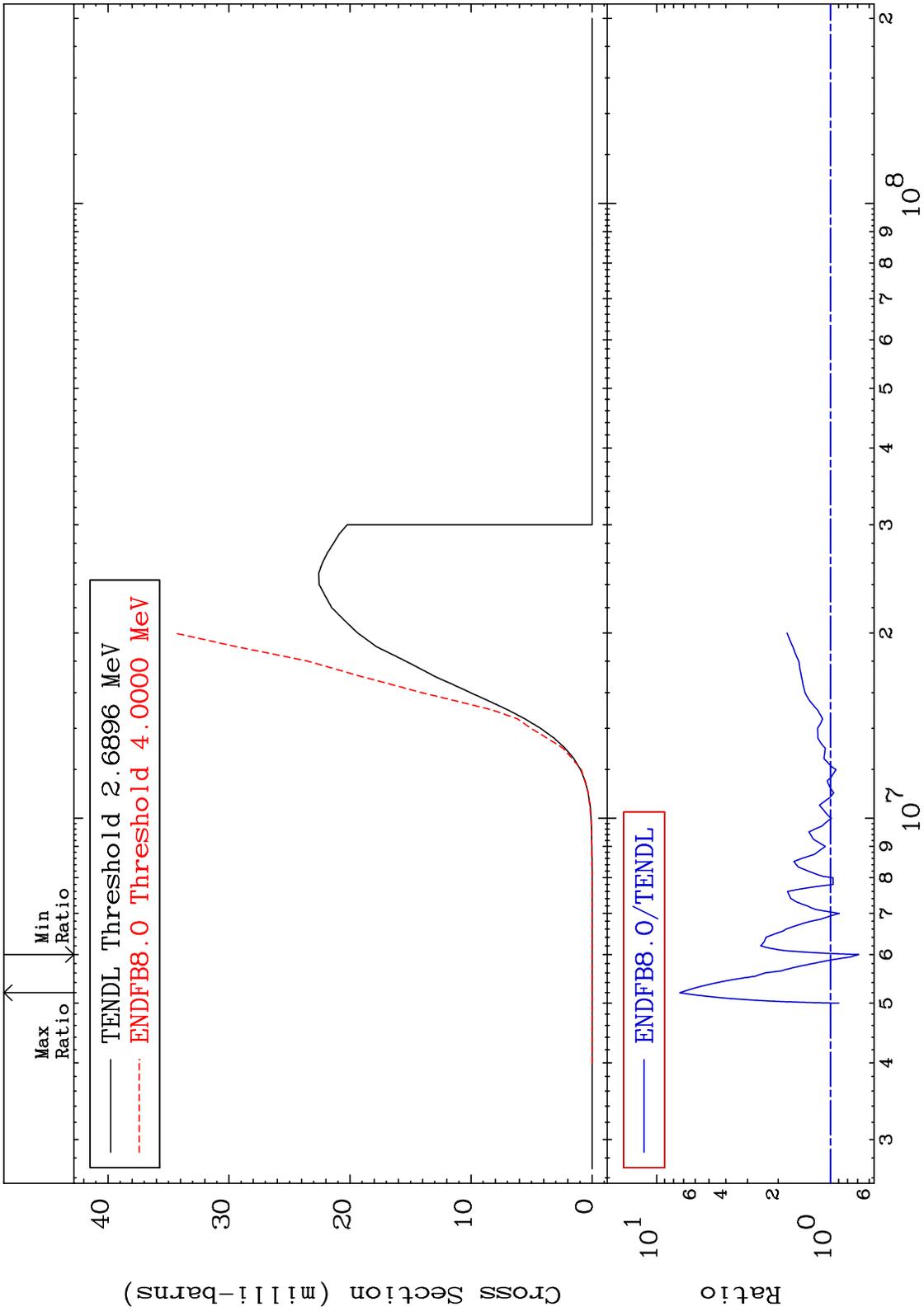


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Incident Energy (eV)

62-Sm-150

MAT 6243 (n,p) Cross Section 62-Sm-150
 -31.13 To 636.6 %



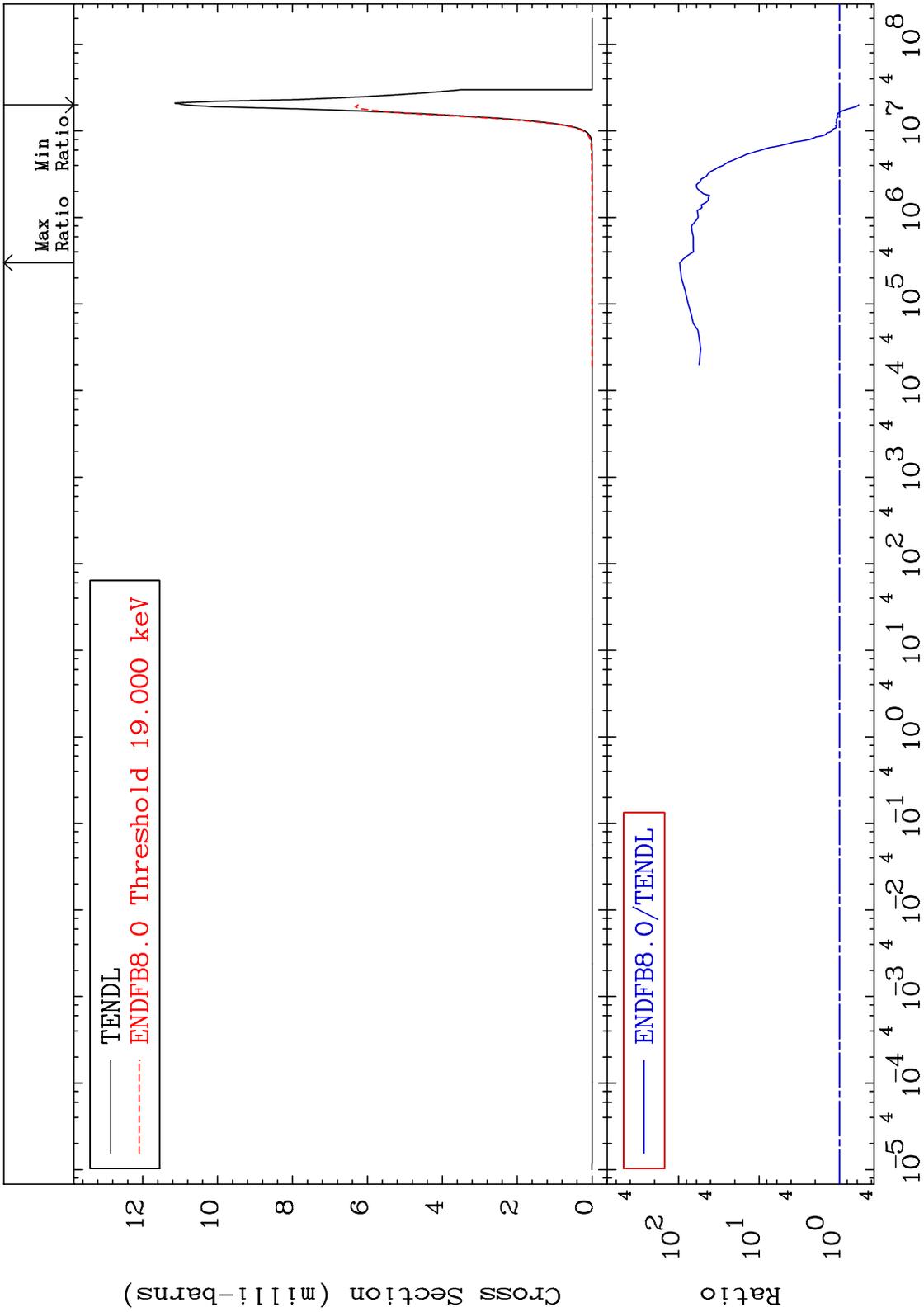
MAT 6243

(n, α)

62-Sm-150

Cross Section

-42.55 To 9590. %



42

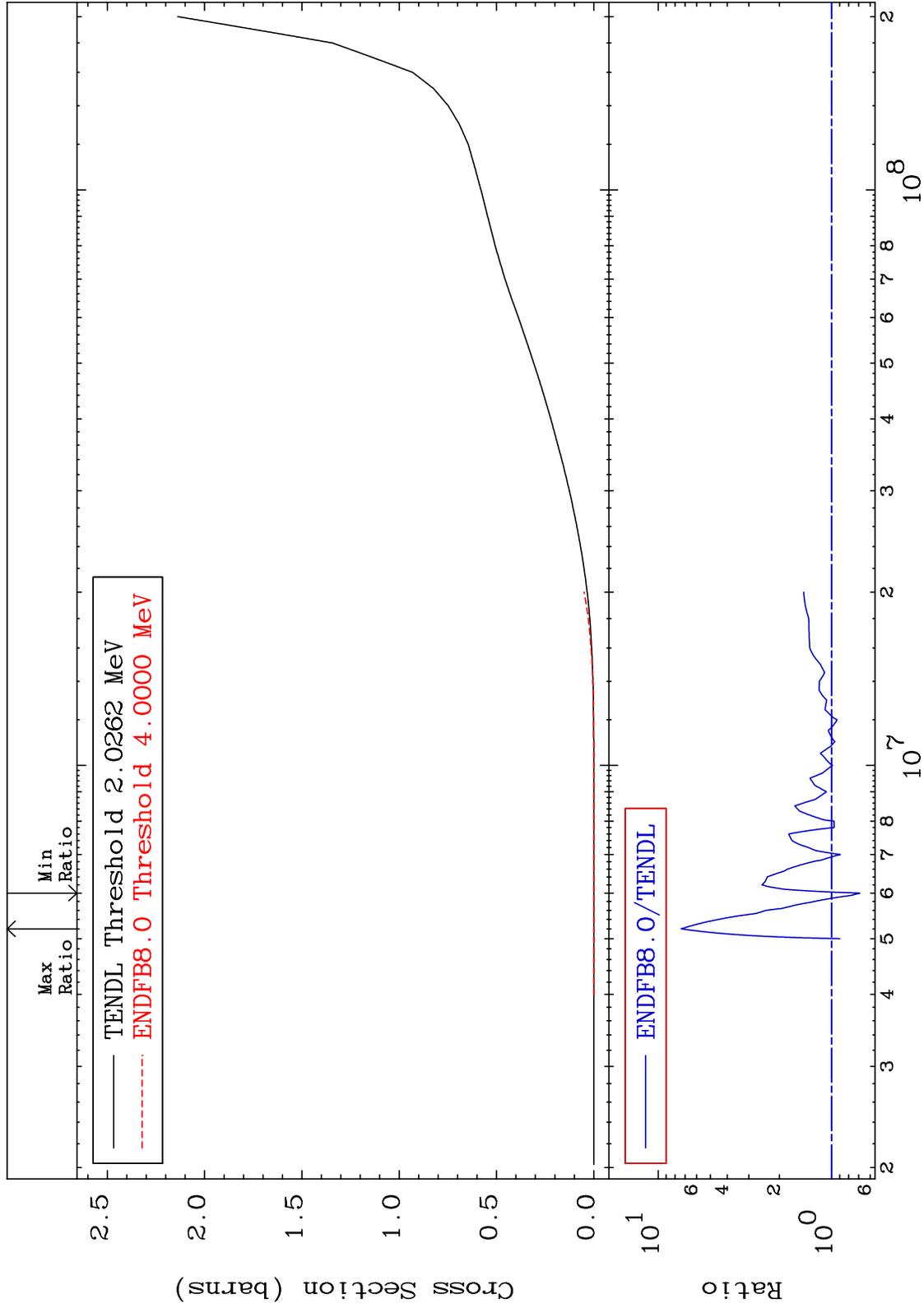
Incident Energy (eV)

62-Sm-150

MAT 6243

Hydrogen Production
Cross Section

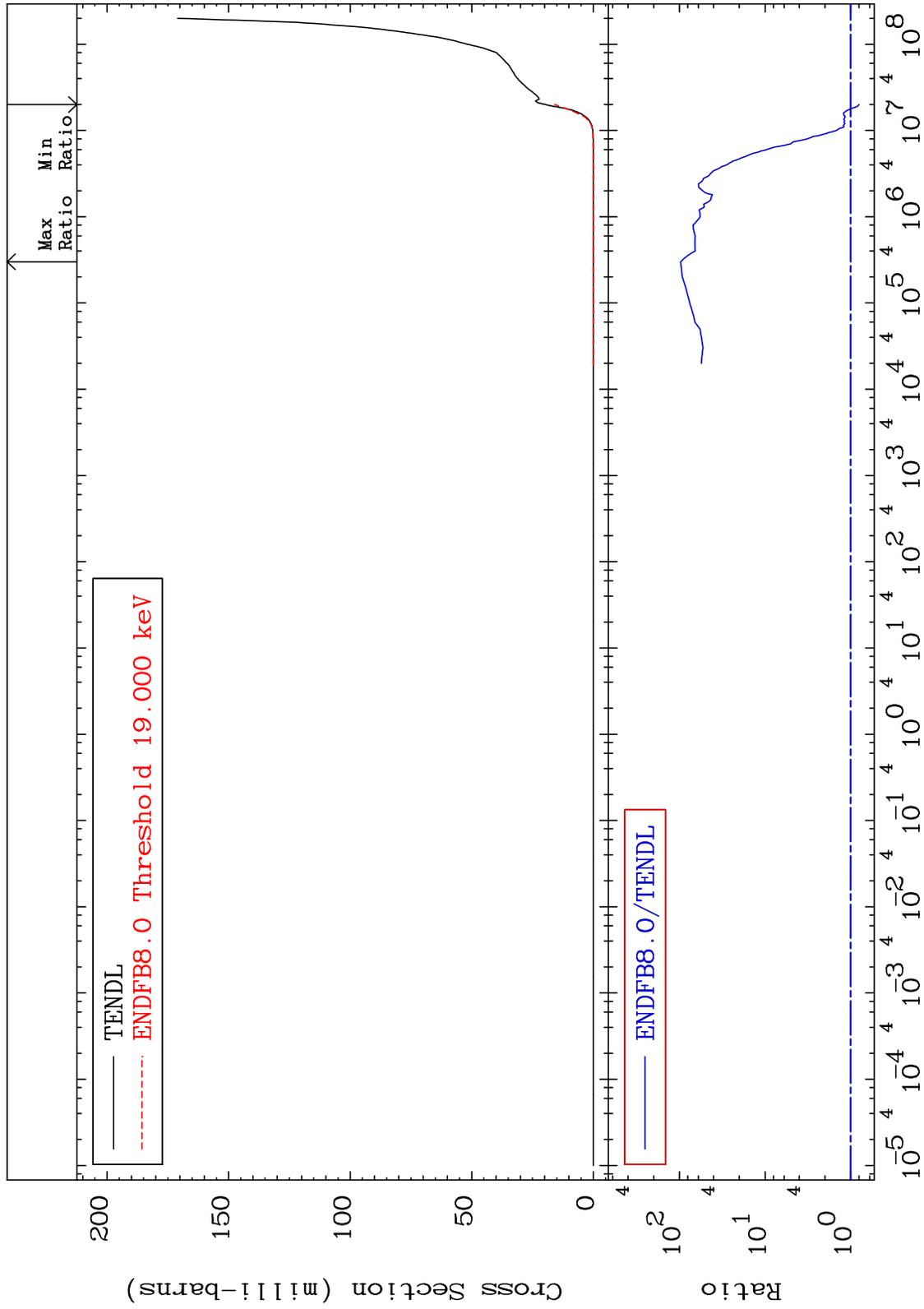
62-Sm-150
-31.13 To 636.6 %



MAT 6243

He-4 Production
Cross Section

62-Sm-150
-19.92 To 9590. %

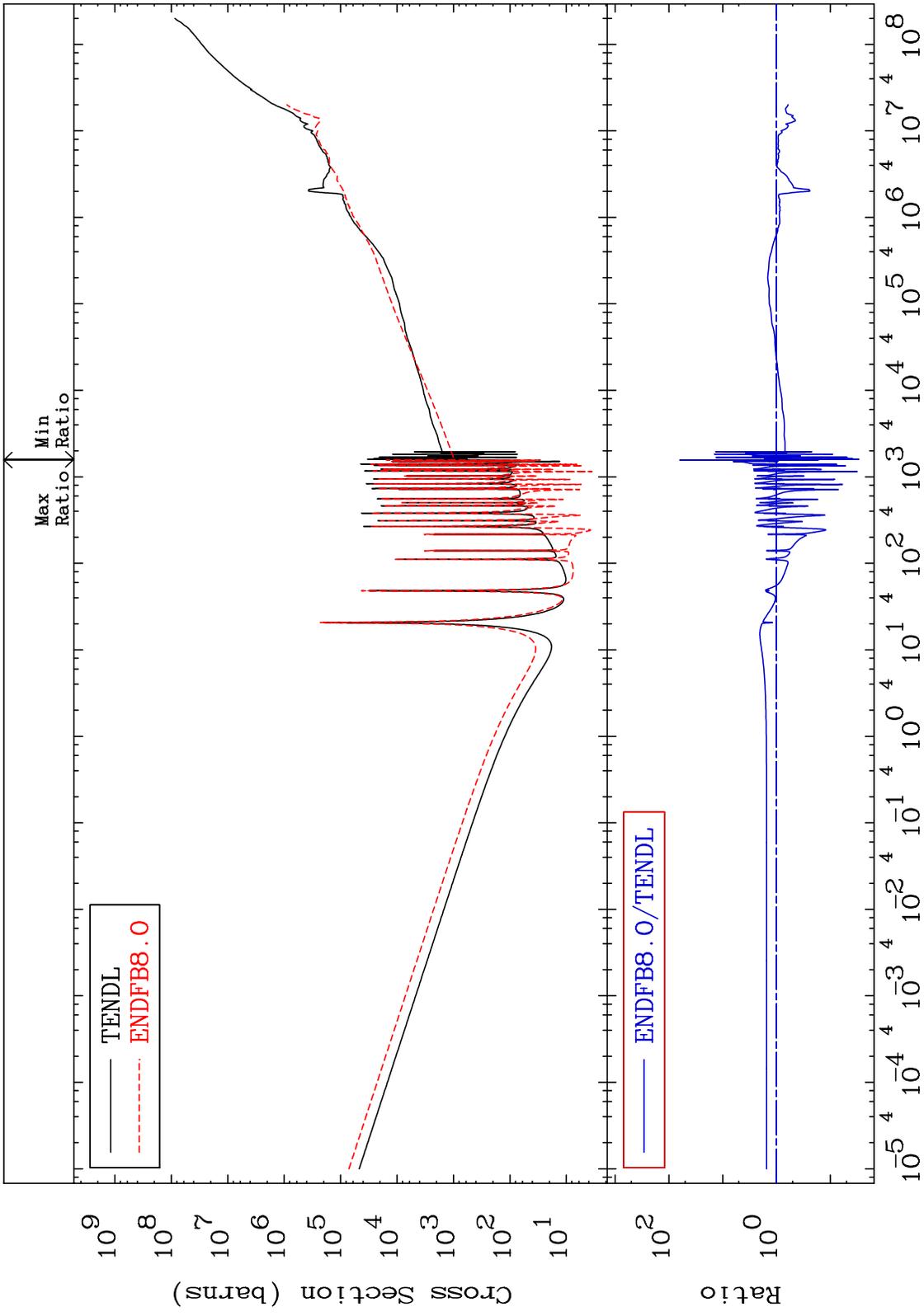


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Incident Energy (eV)

62-Sm-150

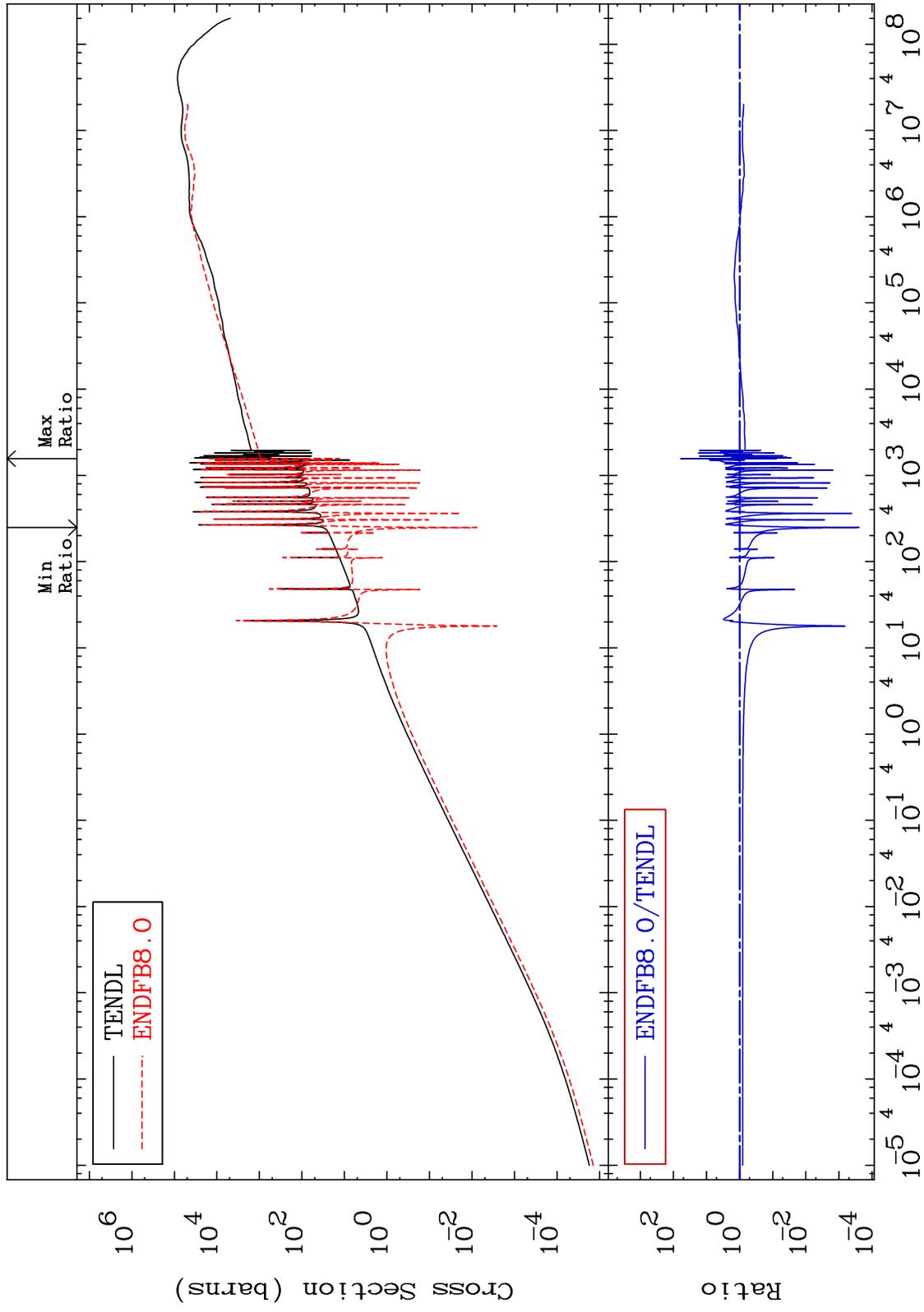
MAT 6243 Kerma total (eV-barns)
 Cross Section 62-Sm-150
 -97.06 To 6197. %



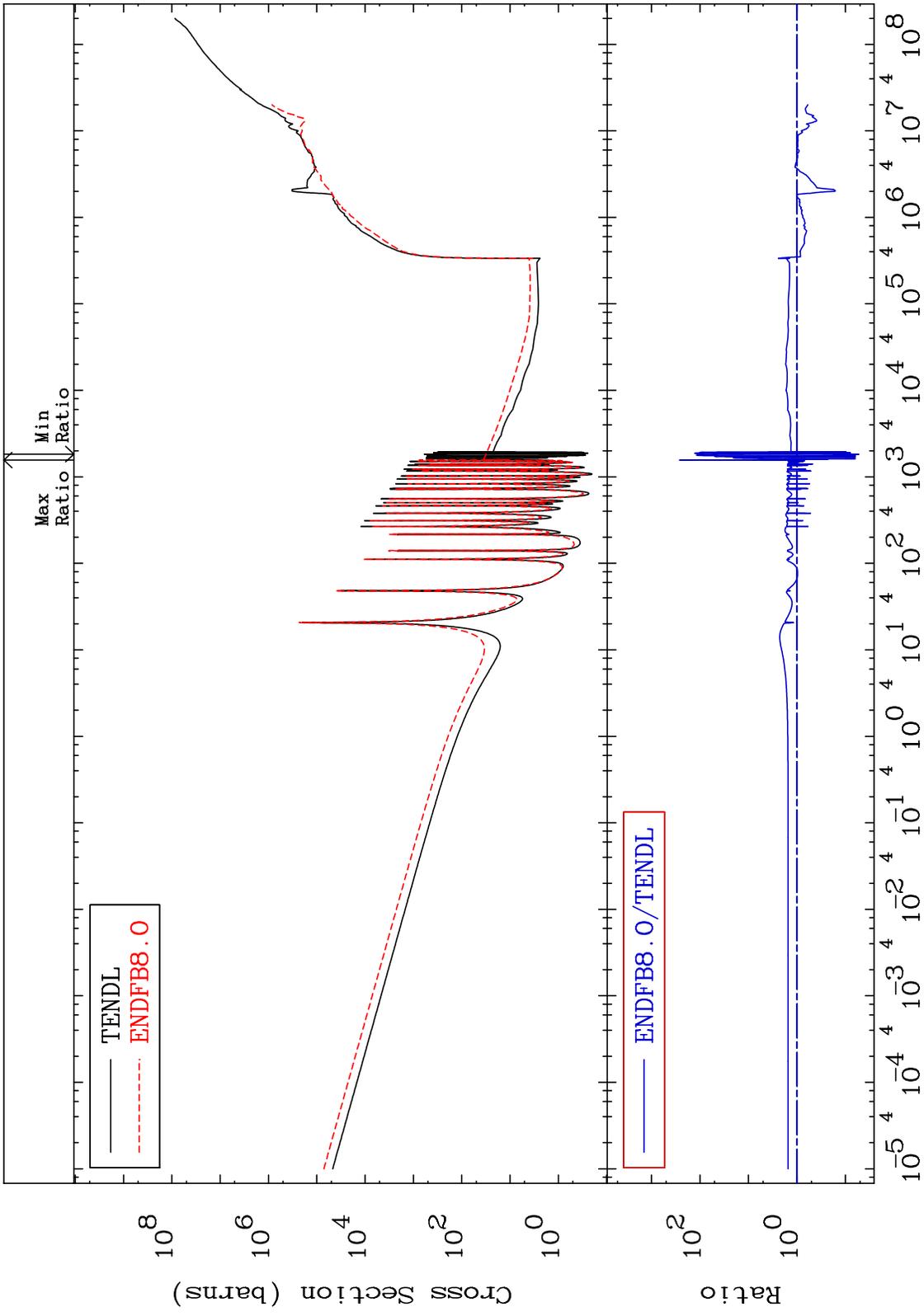
MAT 6243

Kerma elastic
Cross Section

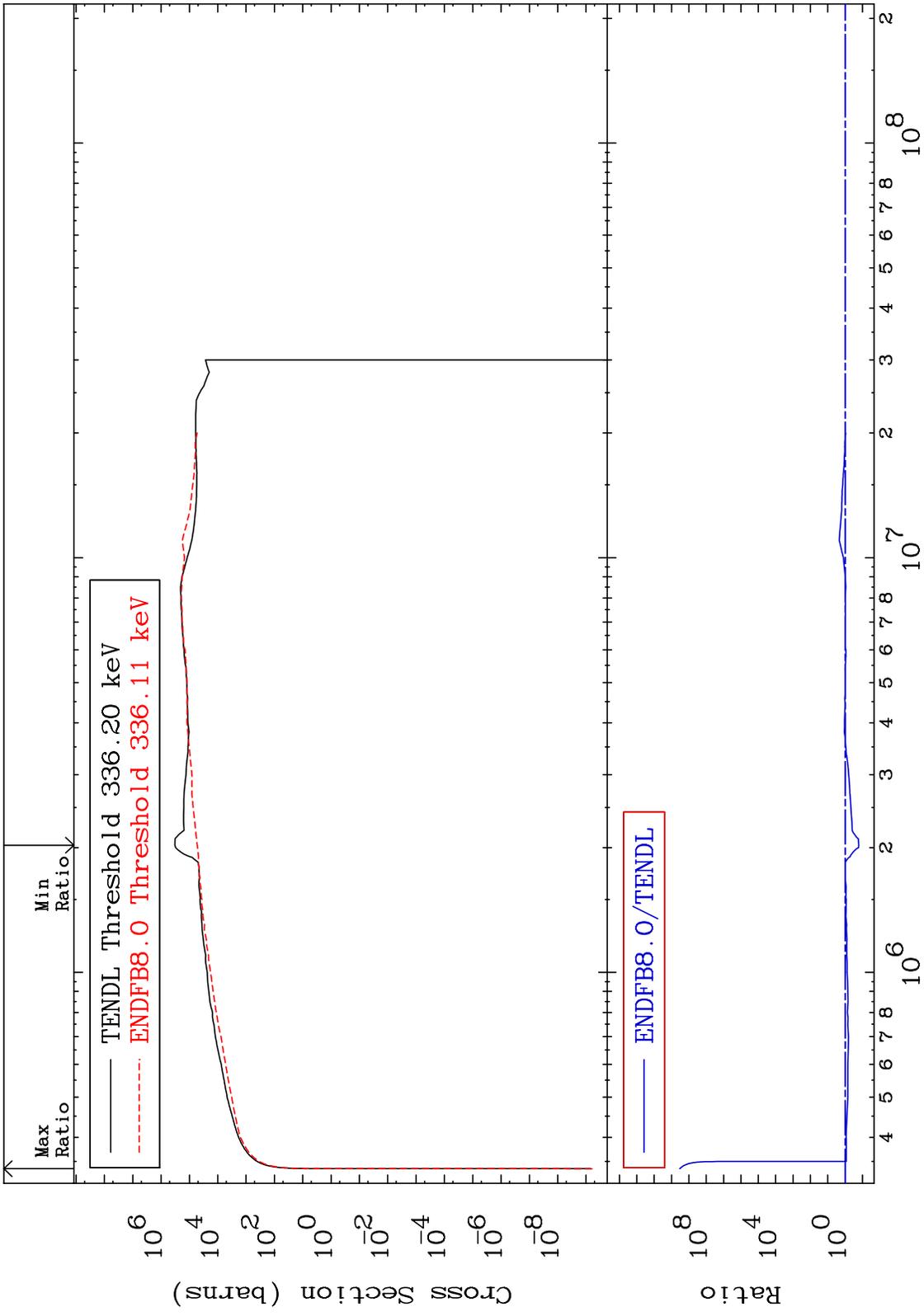
62-Sm-150
-99.98 To 5961. %



MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150
 Cross Section -94.69 To 9999. %



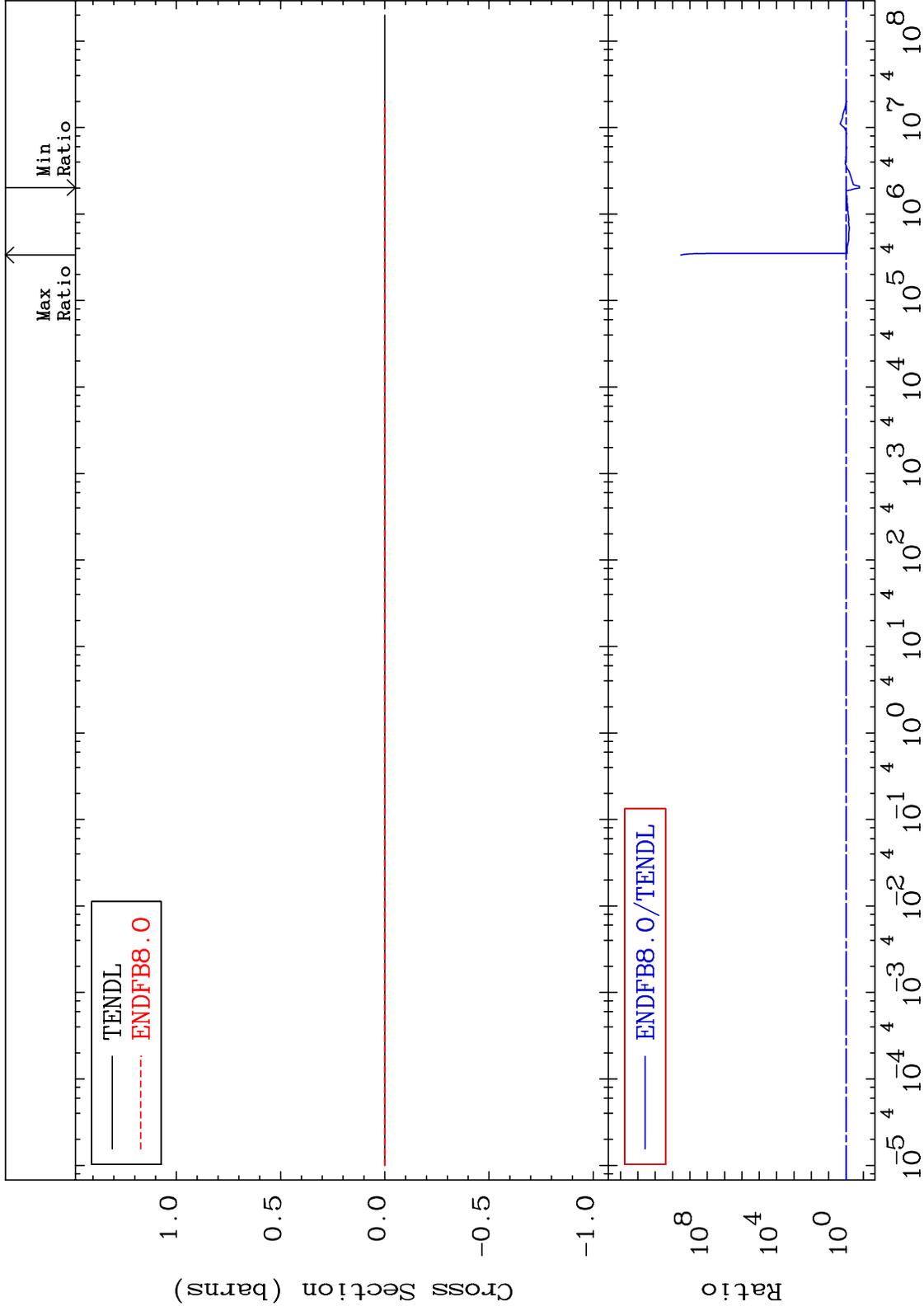
MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150
 Cross Section -83.78 To 9999. %



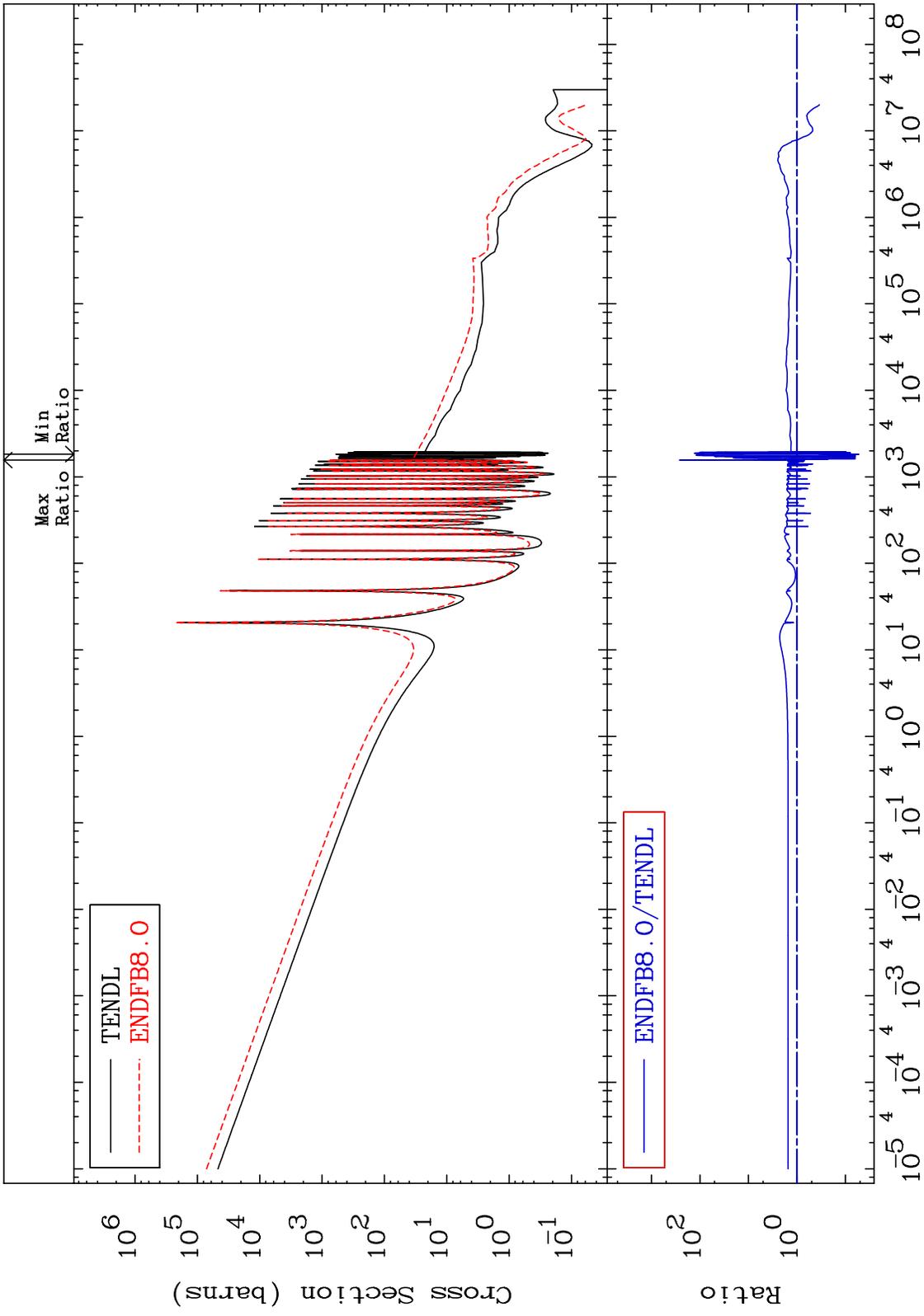
MAT 6243

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

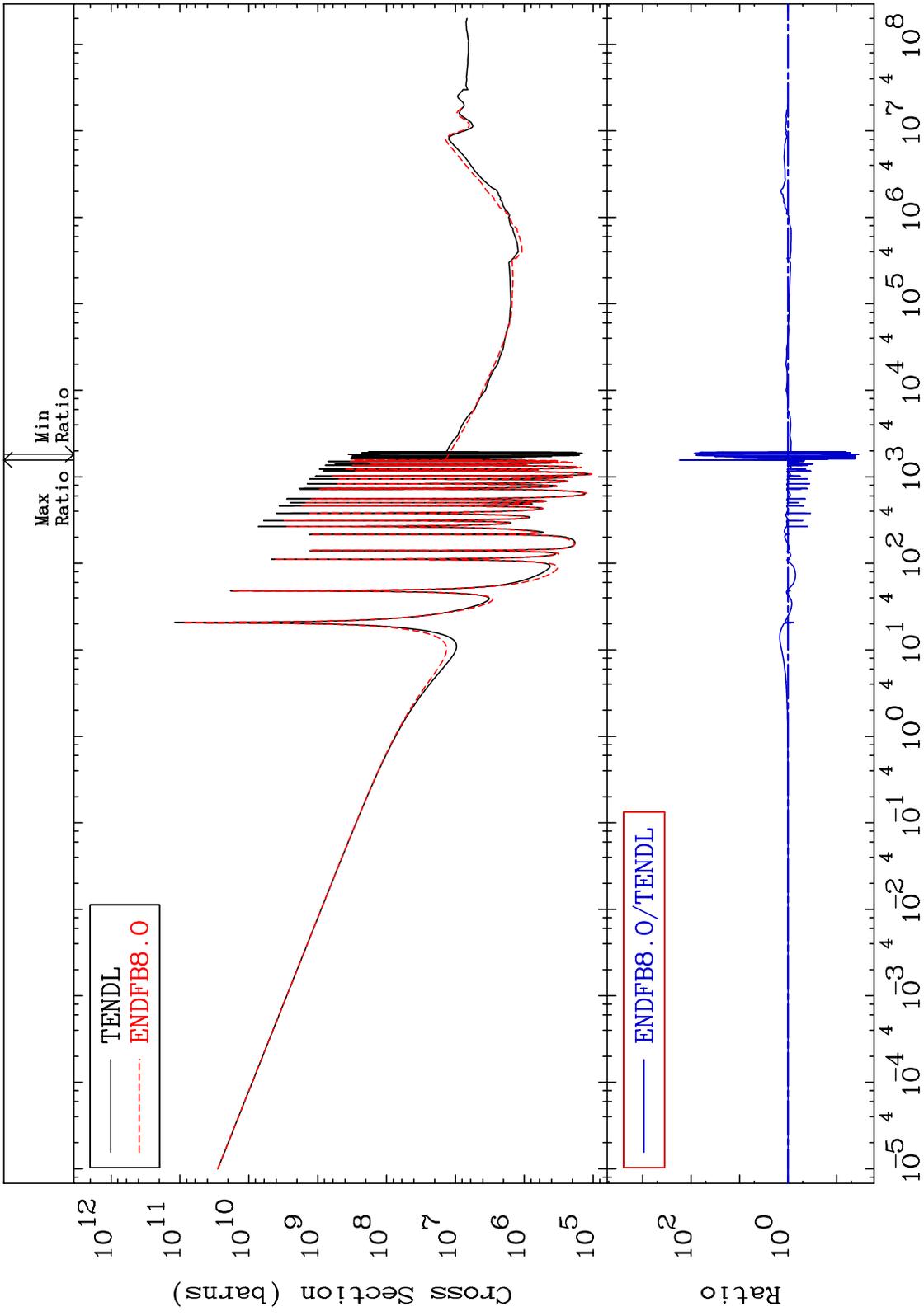
62-Sm-150
-83.78 To 9999. %



MAT 6243 Kerma capture (mt102) 62-Sm-150
 Cross Section -94.69 To 9999. %

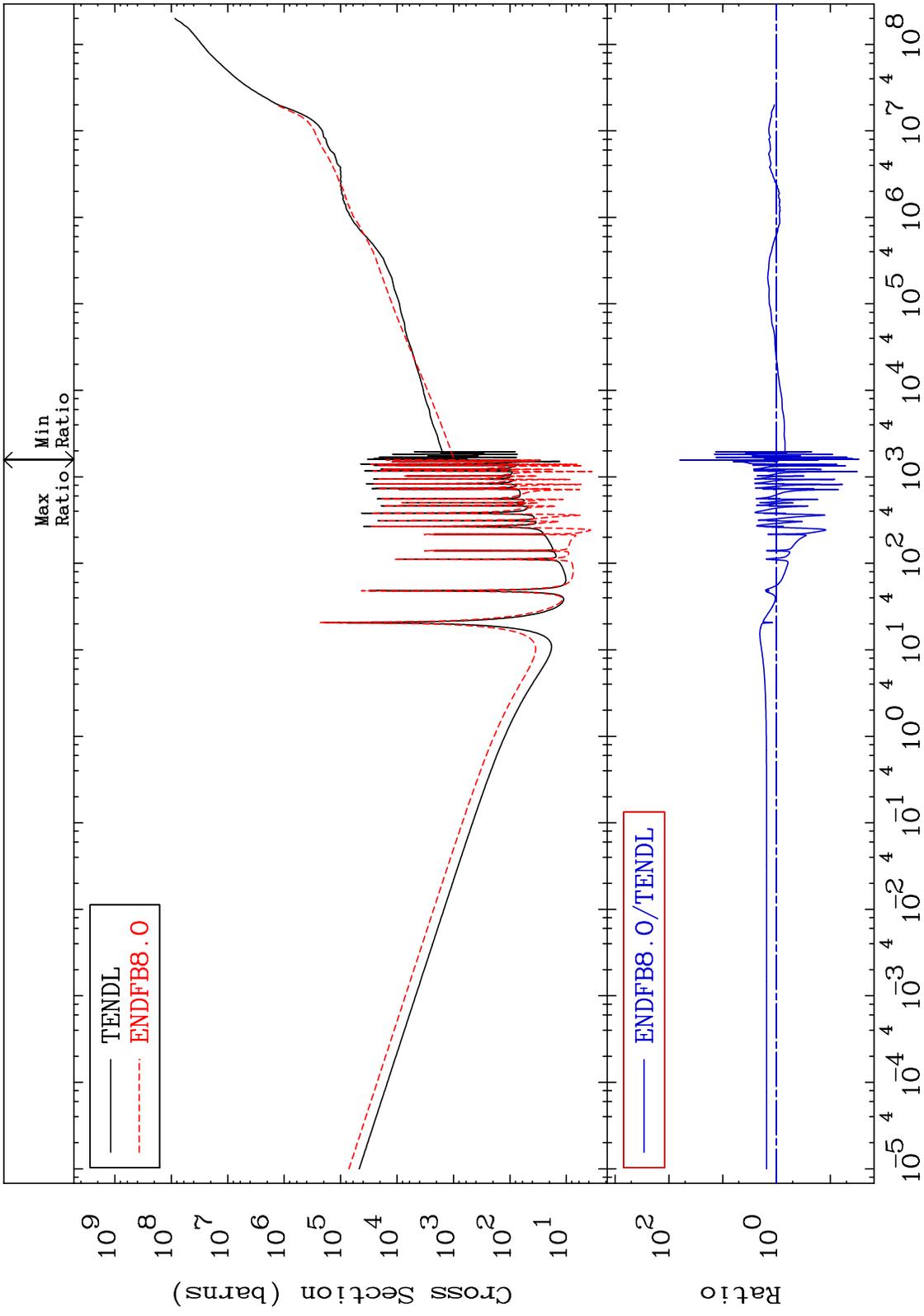


MAT 6243 62-Sm-150
-96.51 To 9999. %
 Total photon (eV-barns)
 Cross Section

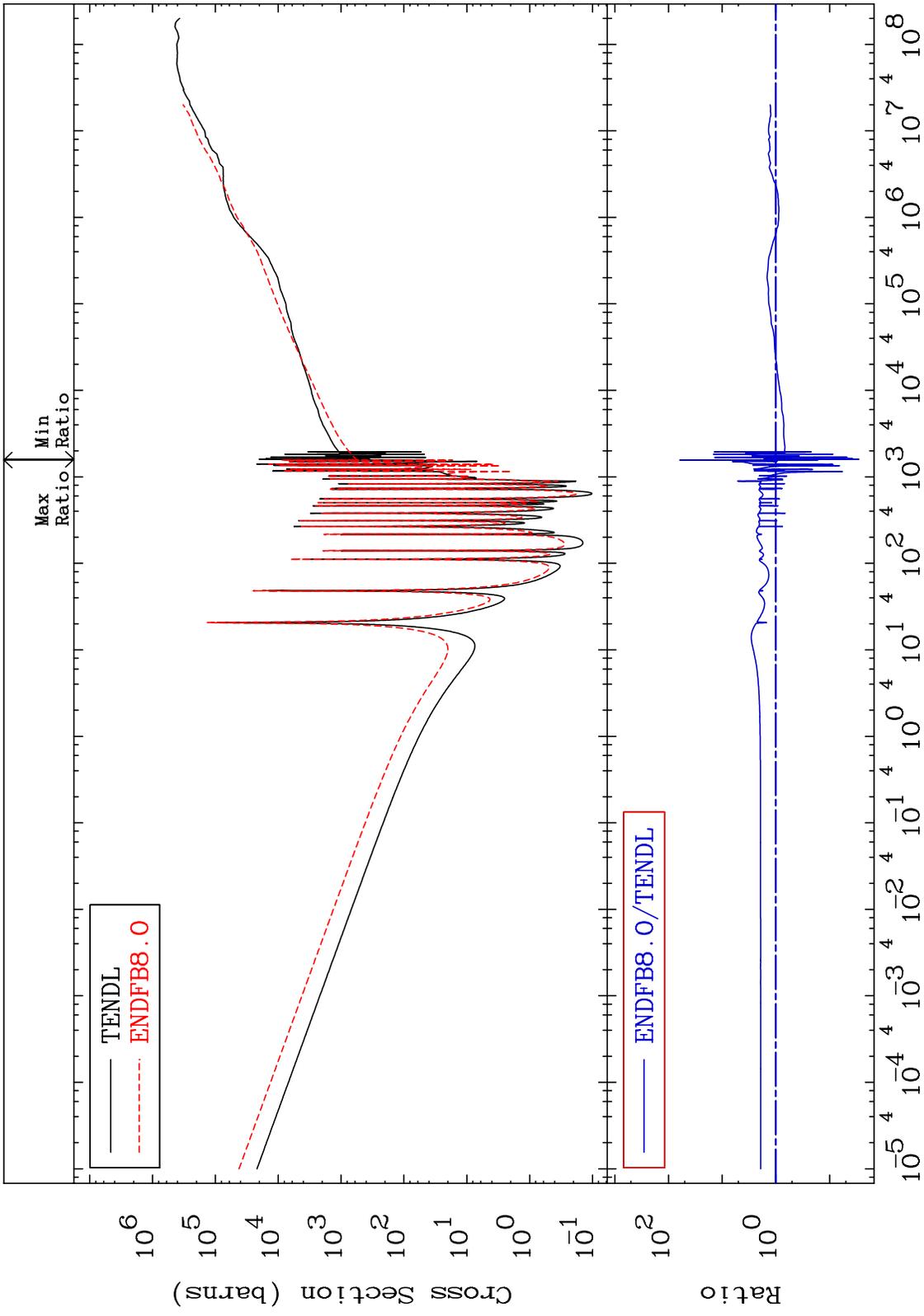


Incident Energy (eV) 62-Sm-150

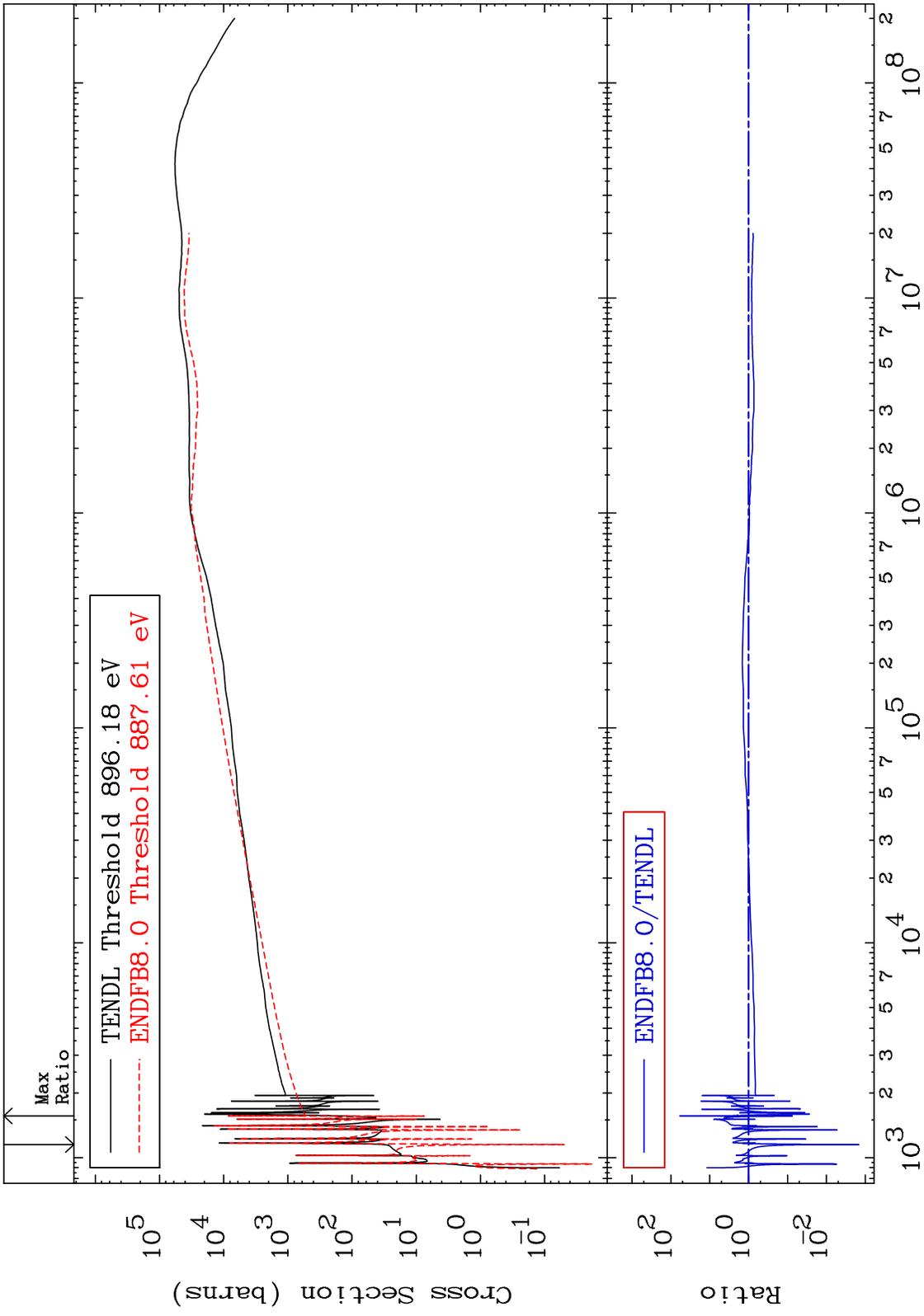
MAT 6243 Total kinematic kerma (high limit) 62-Sm-150
 Cross Section -97.06 To 6197. %



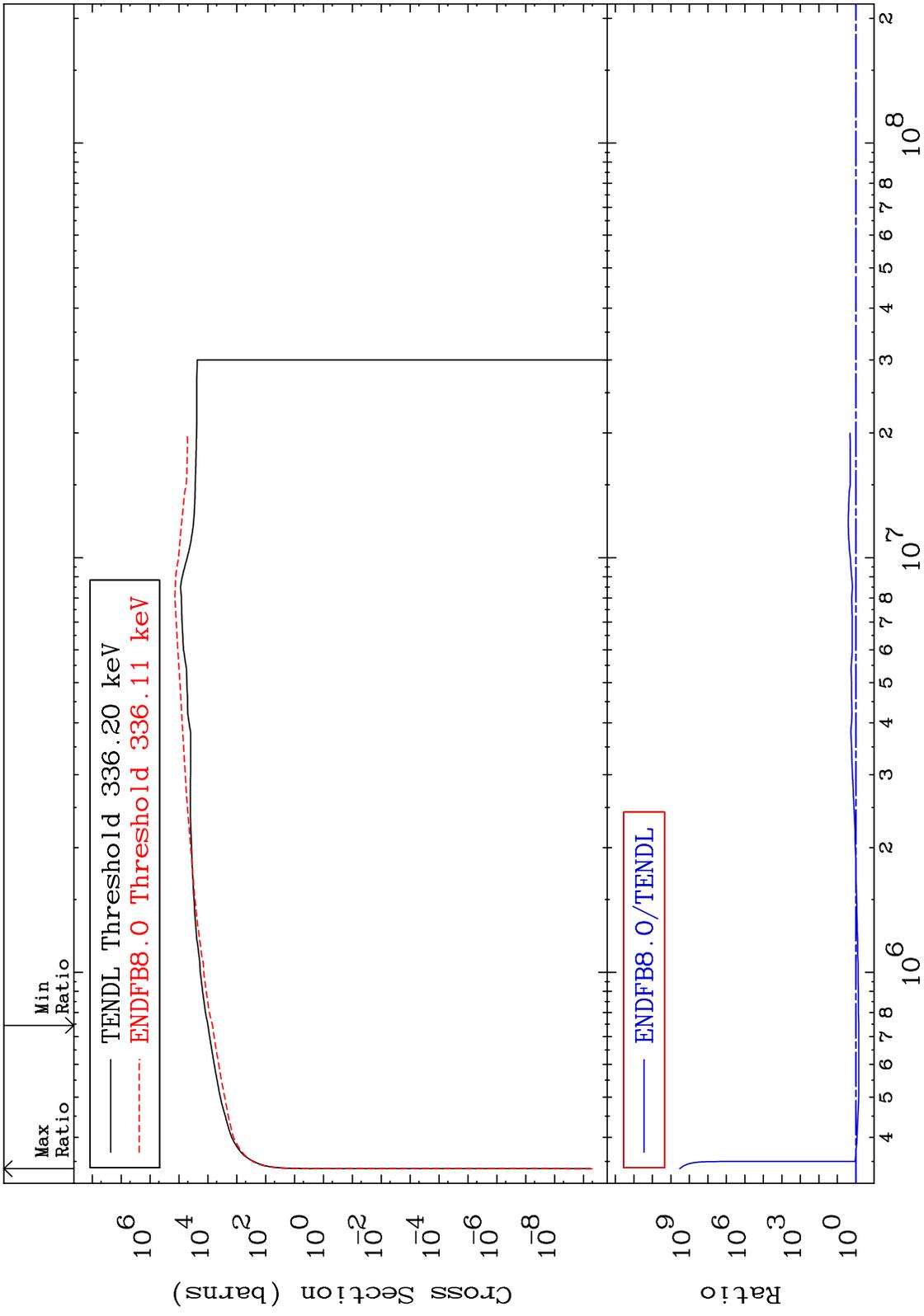
MAT 6243 Dpa total (eV-barns) 62-Sm-150
 Cross Section -97.15 To 6070. %



MAT 6243 Dpa elastic (mt2) 62-Sm-150
 Cross Section -99.85 To 5816. %



MAT 6243 Dpa inelastic (mt51-91) 62-Sm-150
 Cross Section -30.46 To 9999. %



MAT 6243 Dpa disappearance (mt102 -120) 62-Sm-150
 Cross Section -93.28 To 9999. %

