

Program Complot
(Version 2018-1)

by

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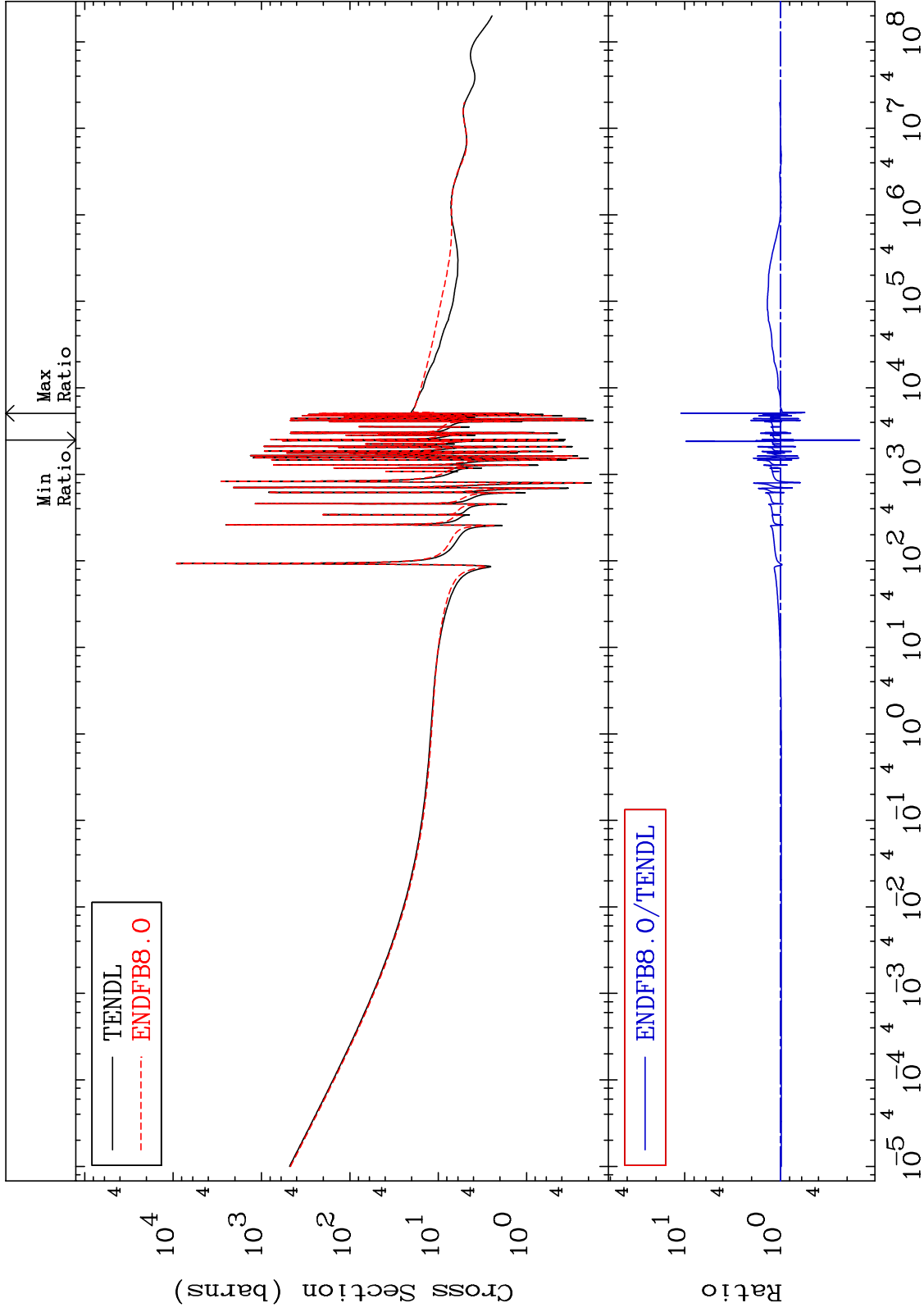
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6255

Total
Cross Section

62-Sm-154
-85.18 To 1000. %

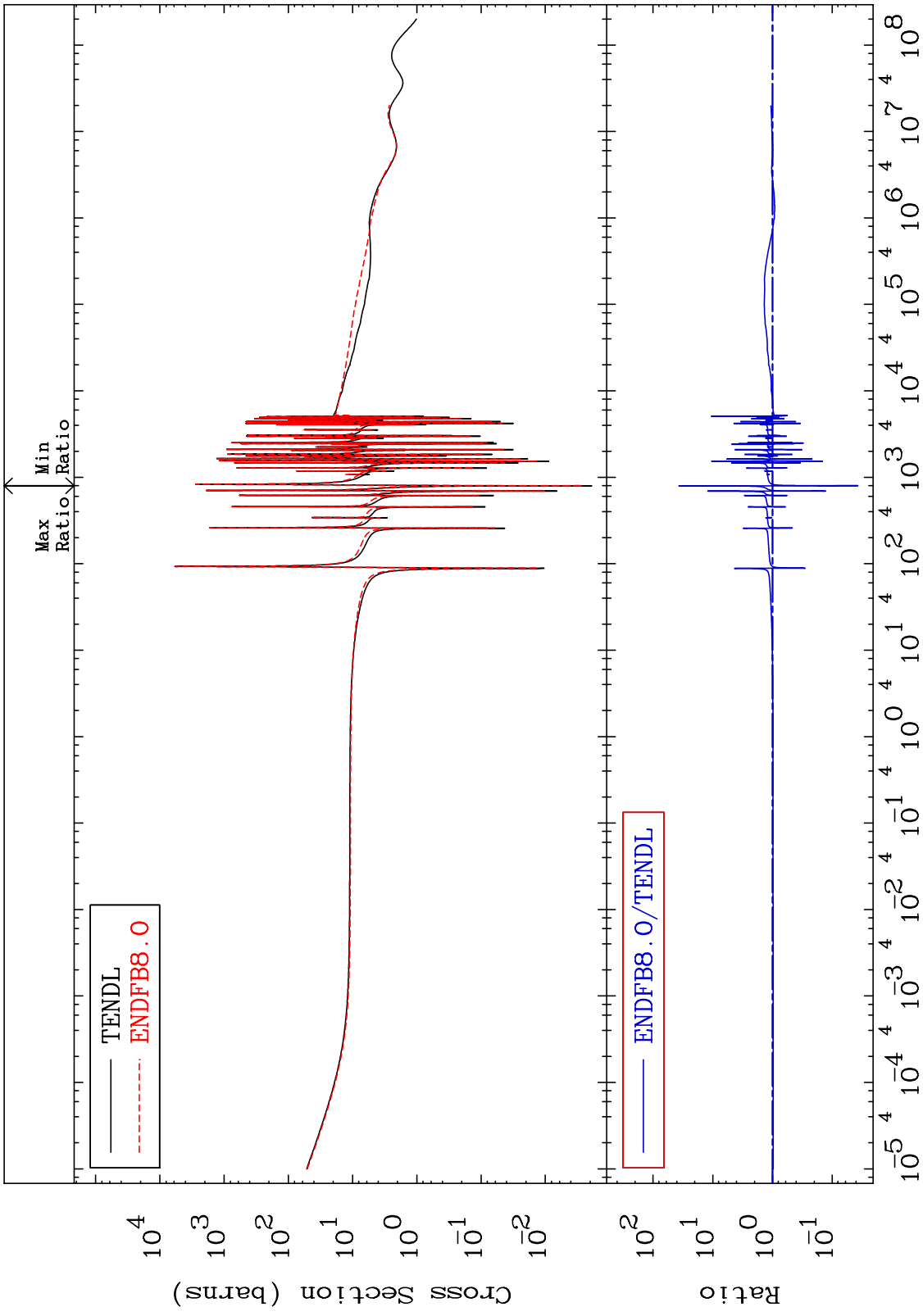


1

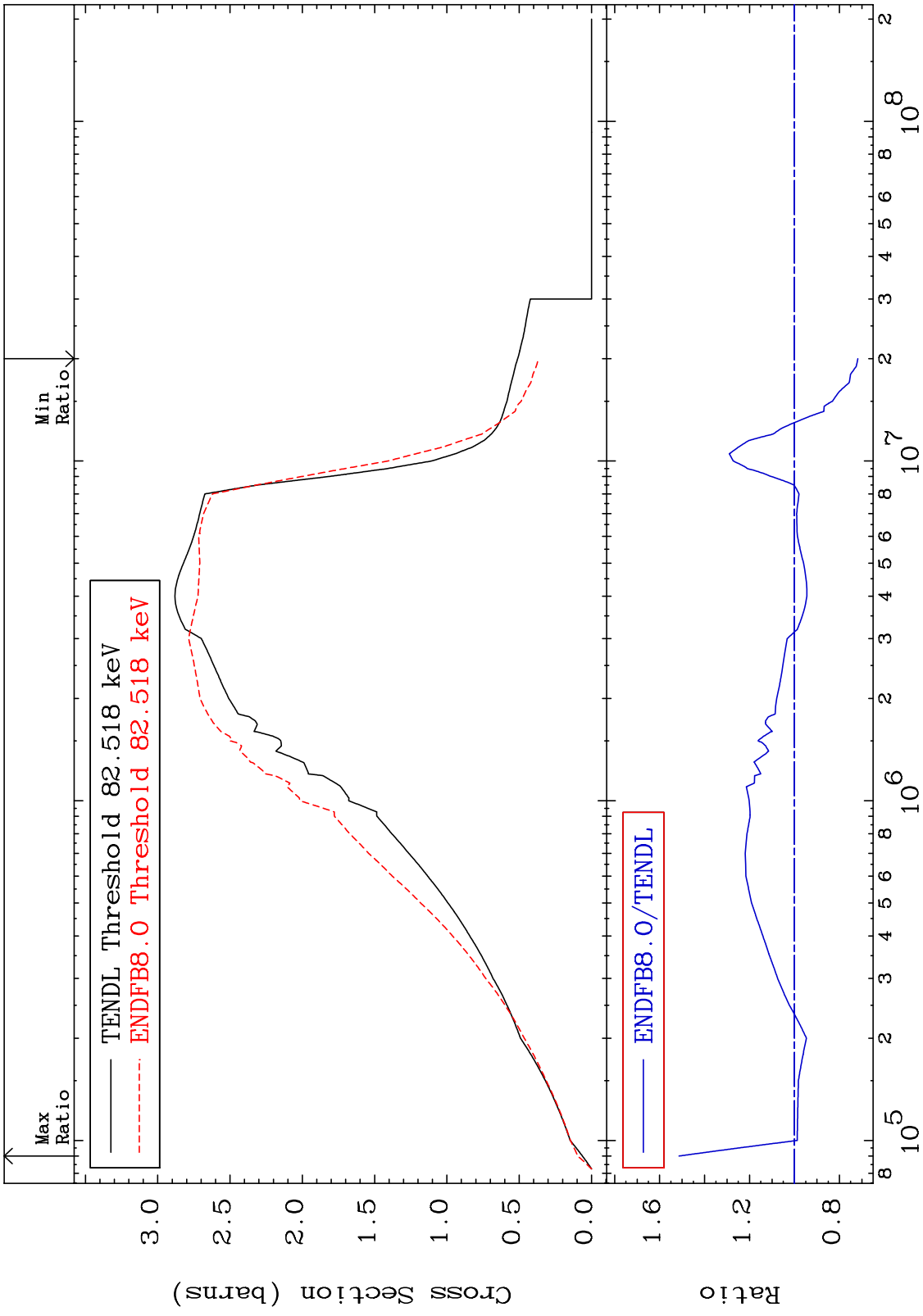
Incident Energy (eV)

62-Sm-154

MAT 6255 Elastic Cross Section 62-Sm-154 -96.28 To 3570. %

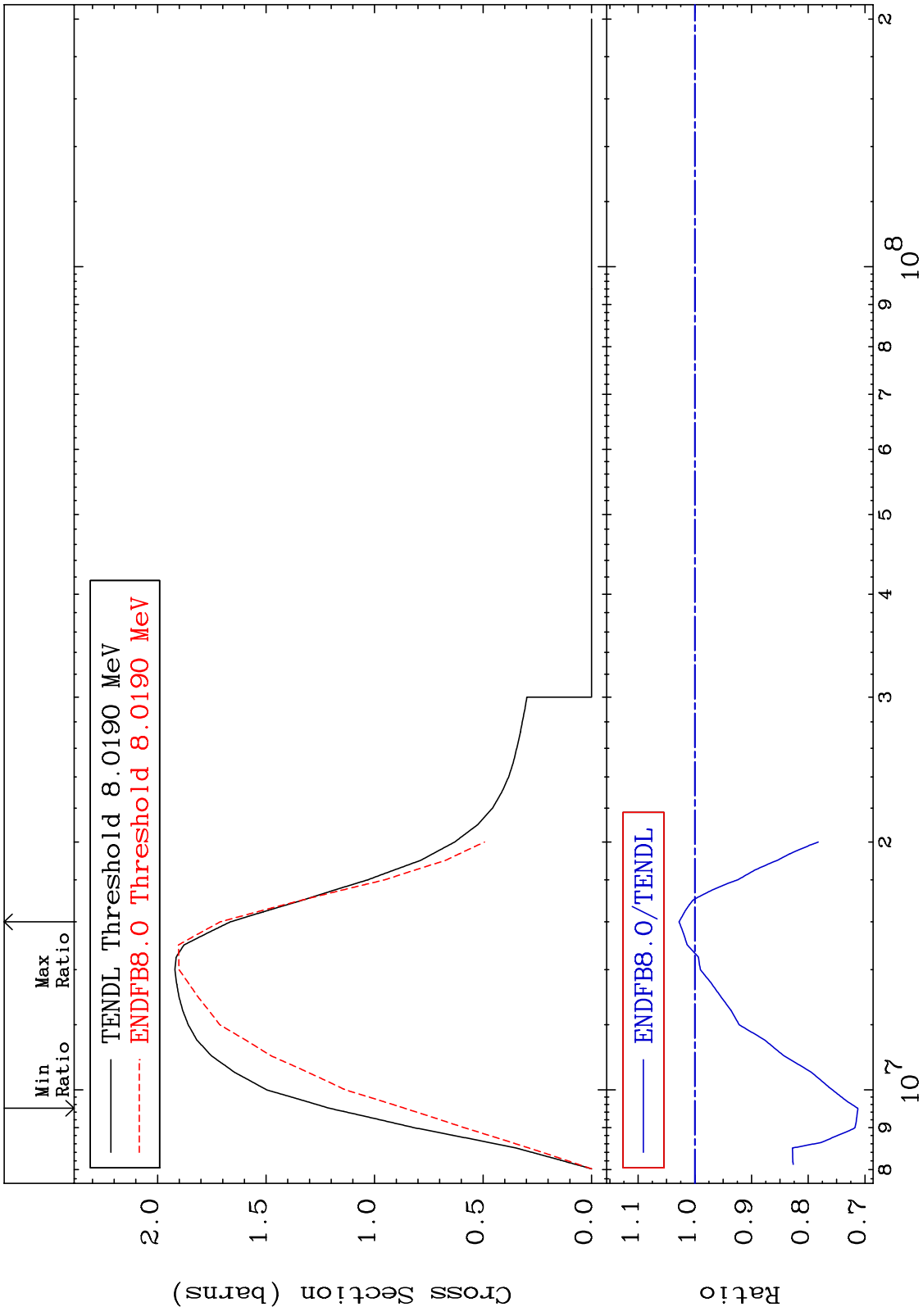


MAT 6255 Inelastic Cross Section 62-Sm-154 -28.19 To 51.36 %

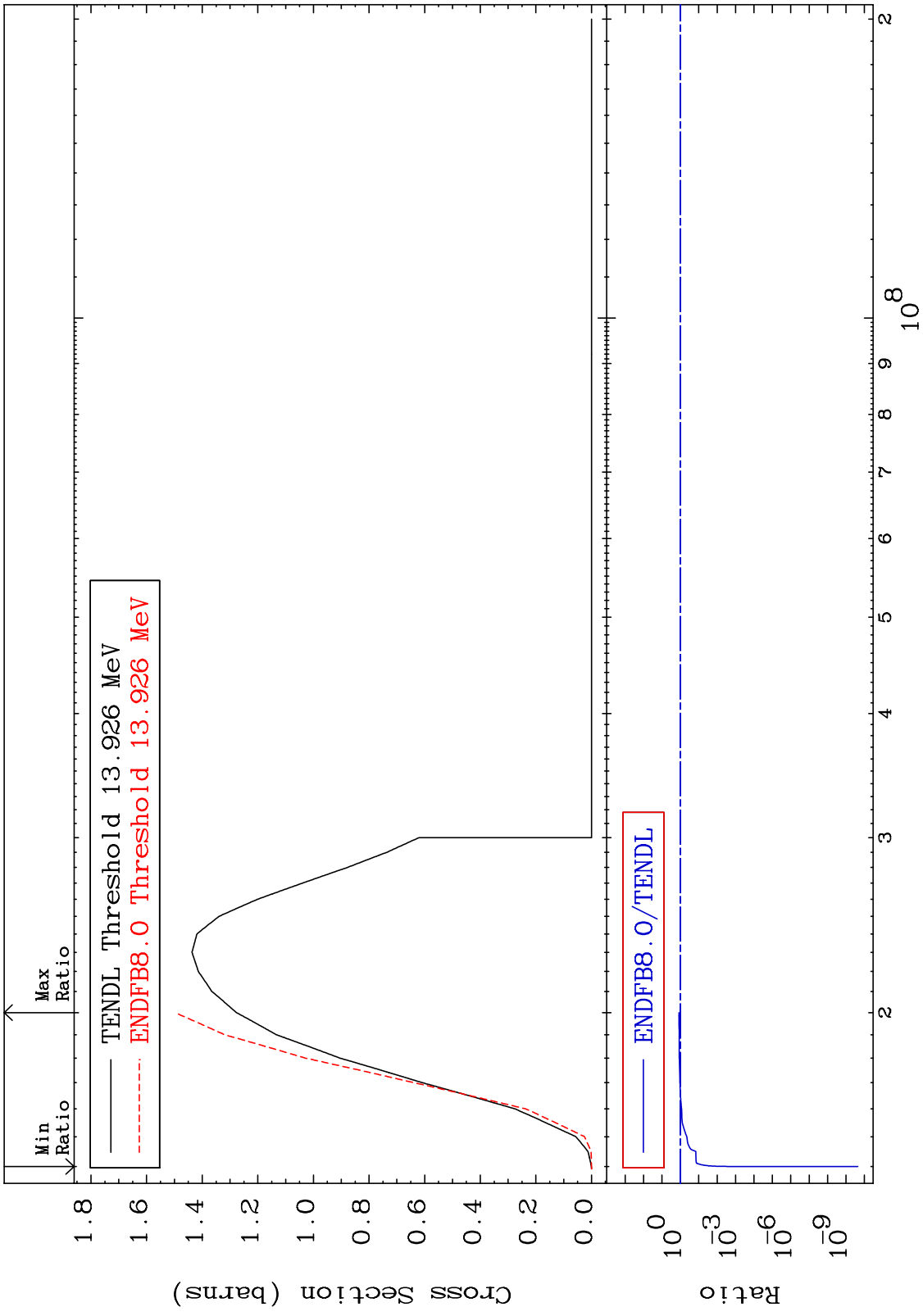


3 Incident Energy (eV) 62-Sm-154

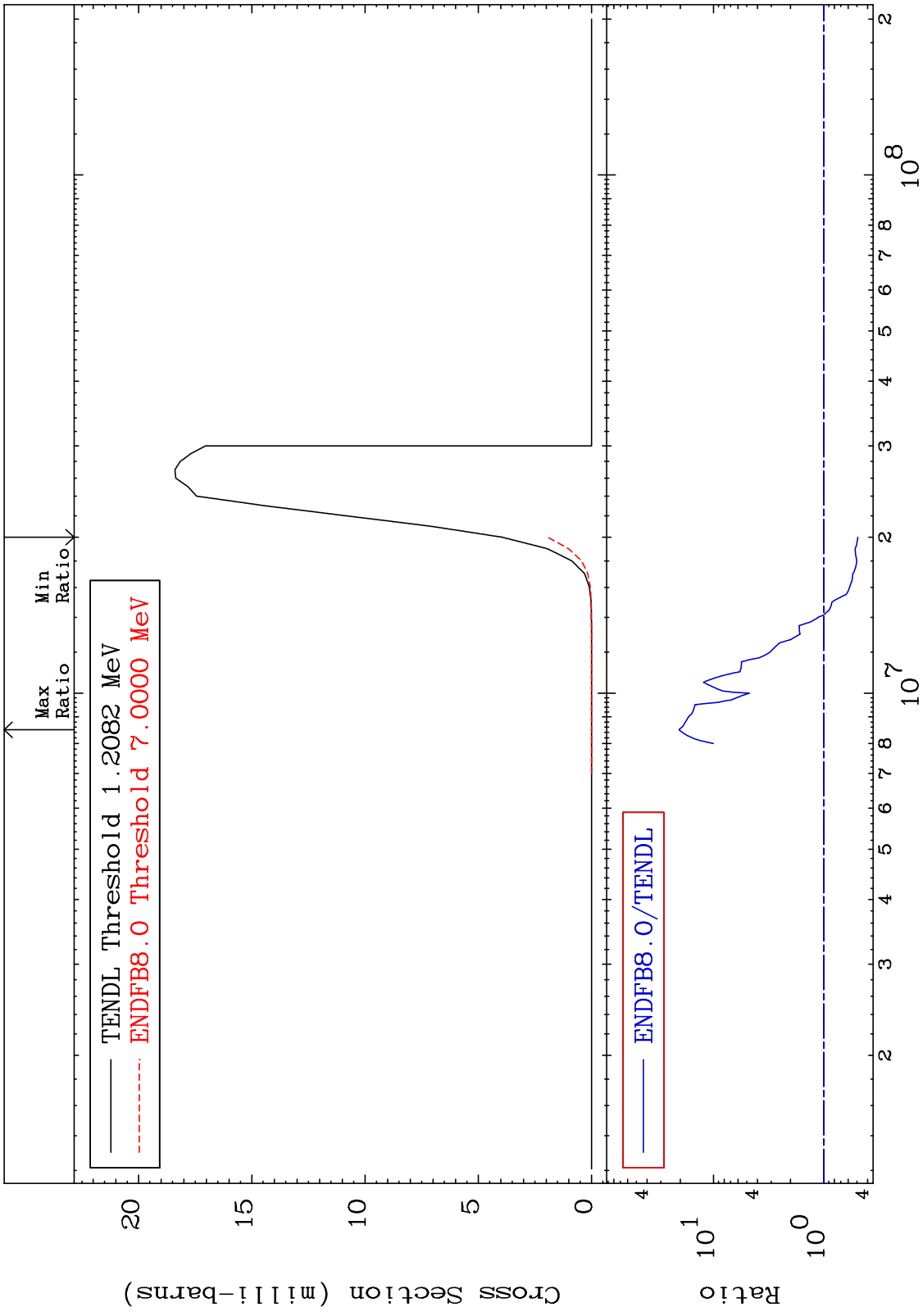
MAT 6255 (n,2n) Cross Section 62-Sm-154 -28.75 To 2.789 %



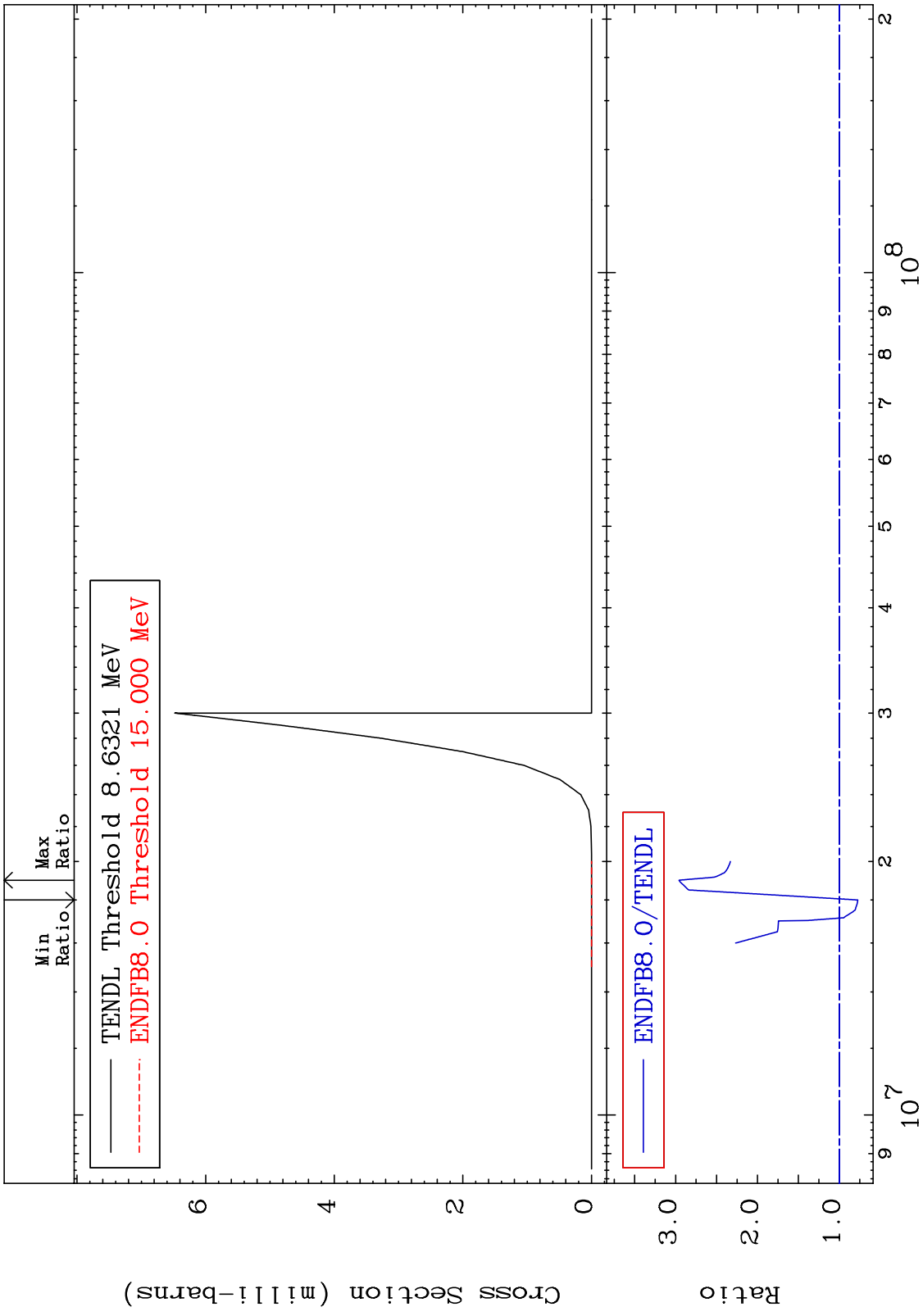
MAT 6255 (n,3n) Cross Section 62-Sm-154 -100.0 To 17.34 %



MAT 6255 $(n, n') \alpha$ $^{62}\text{Sm}-154$
 -50.95 To 1952. %
 Cross Section

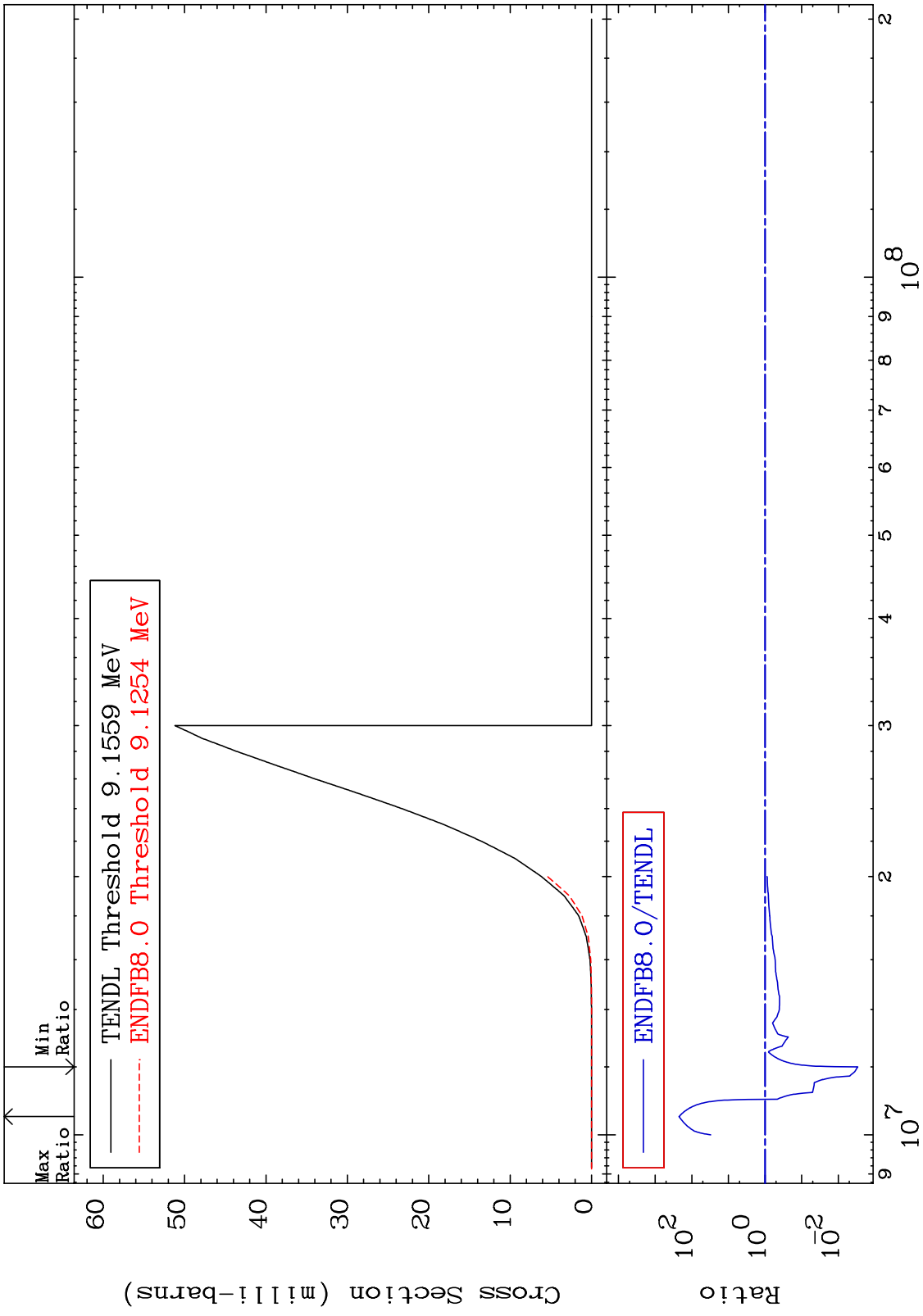


MAT 6255 (n,2n) α 62-Sm-154
 Cross Section -22.56 To 195.8 %



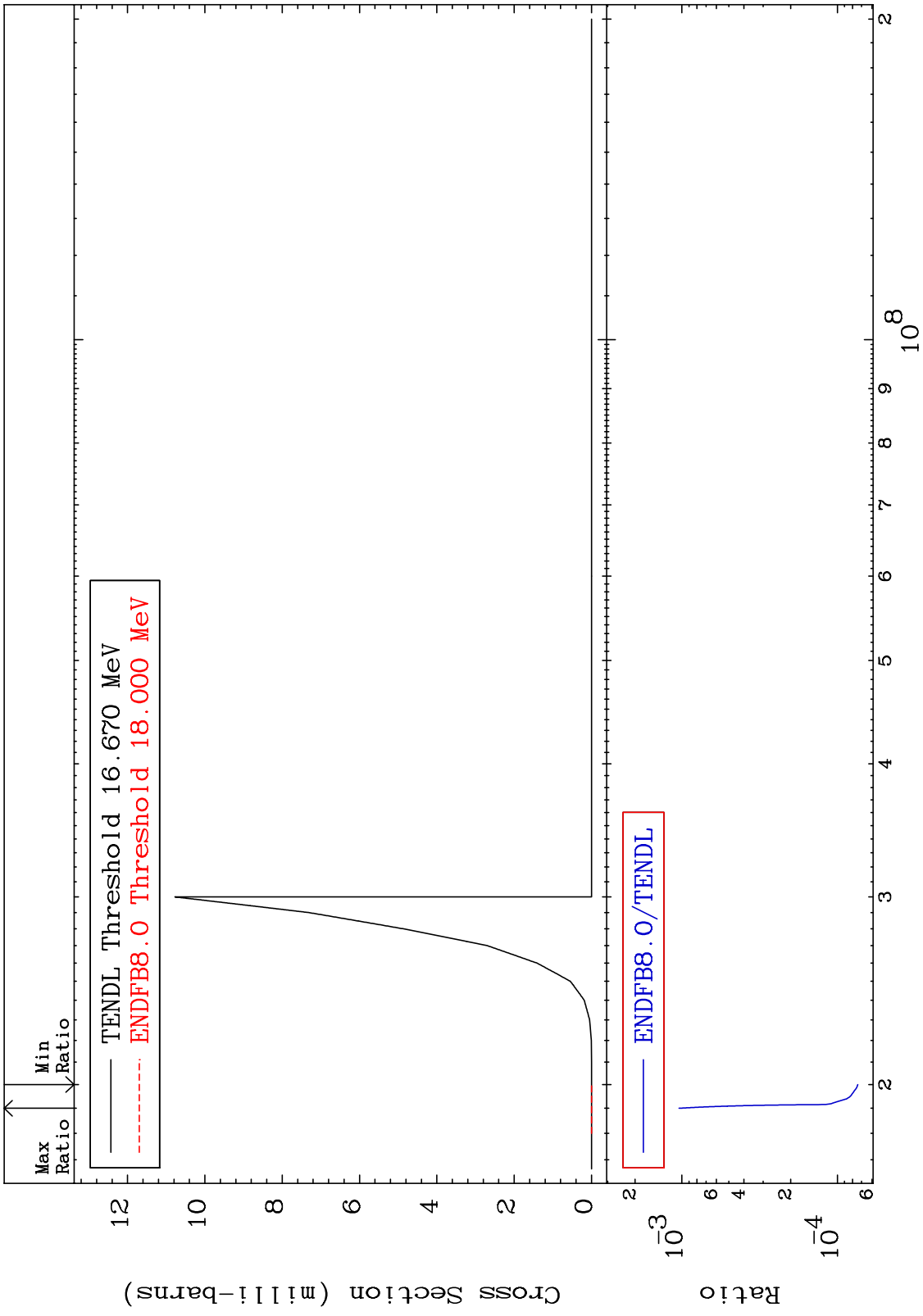
62-Sm-154 Incident Energy (eV) 62-Sm-154

MAT 6255 (n,n') p 62-Sm-154
 Cross Section -99.71 To 9999. %

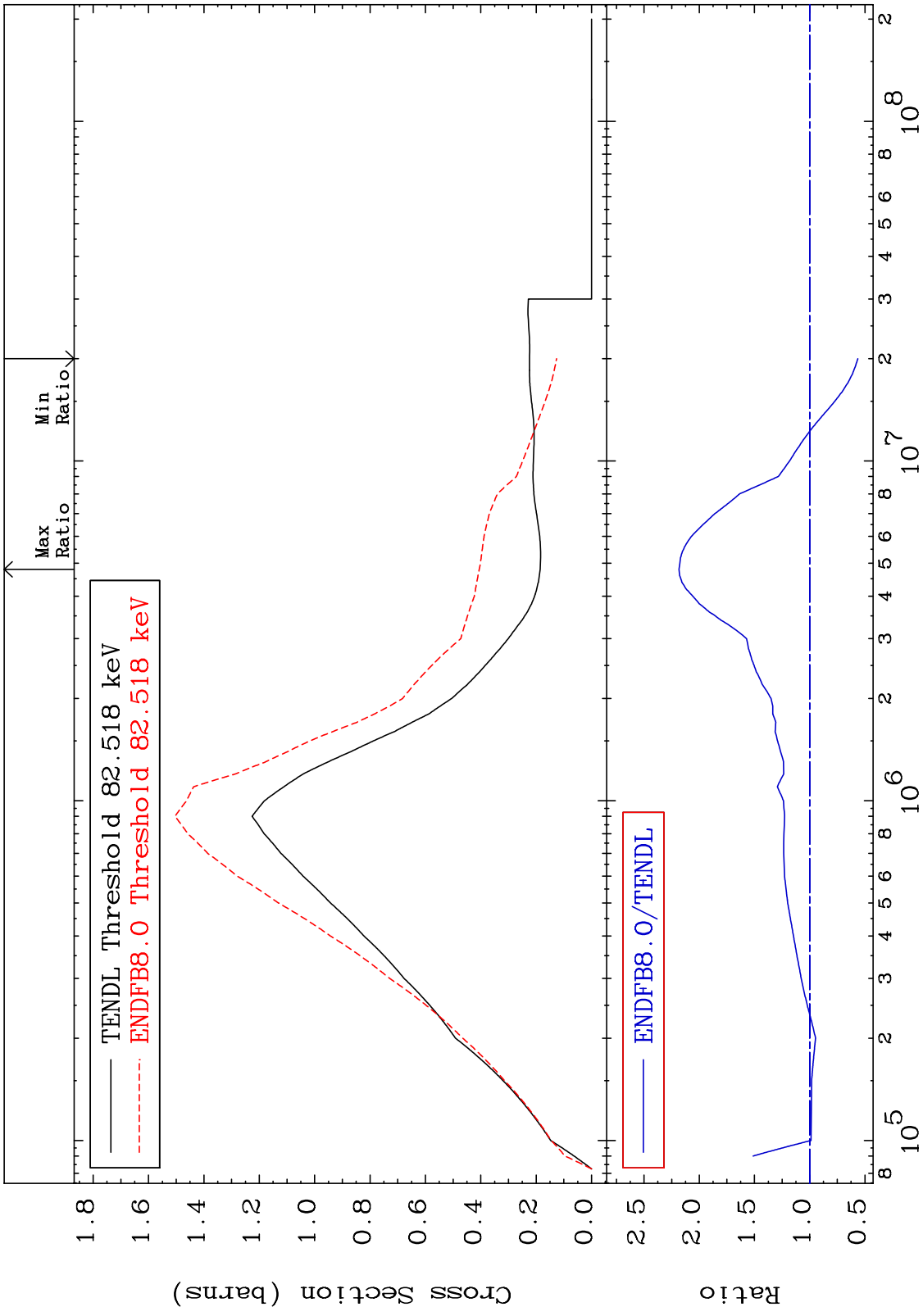


8 Incident Energy (eV) 62-Sm-154

MAT 6255 (n,2n) p 62-Sm-154
 Cross Section -99.99 To -99.90%

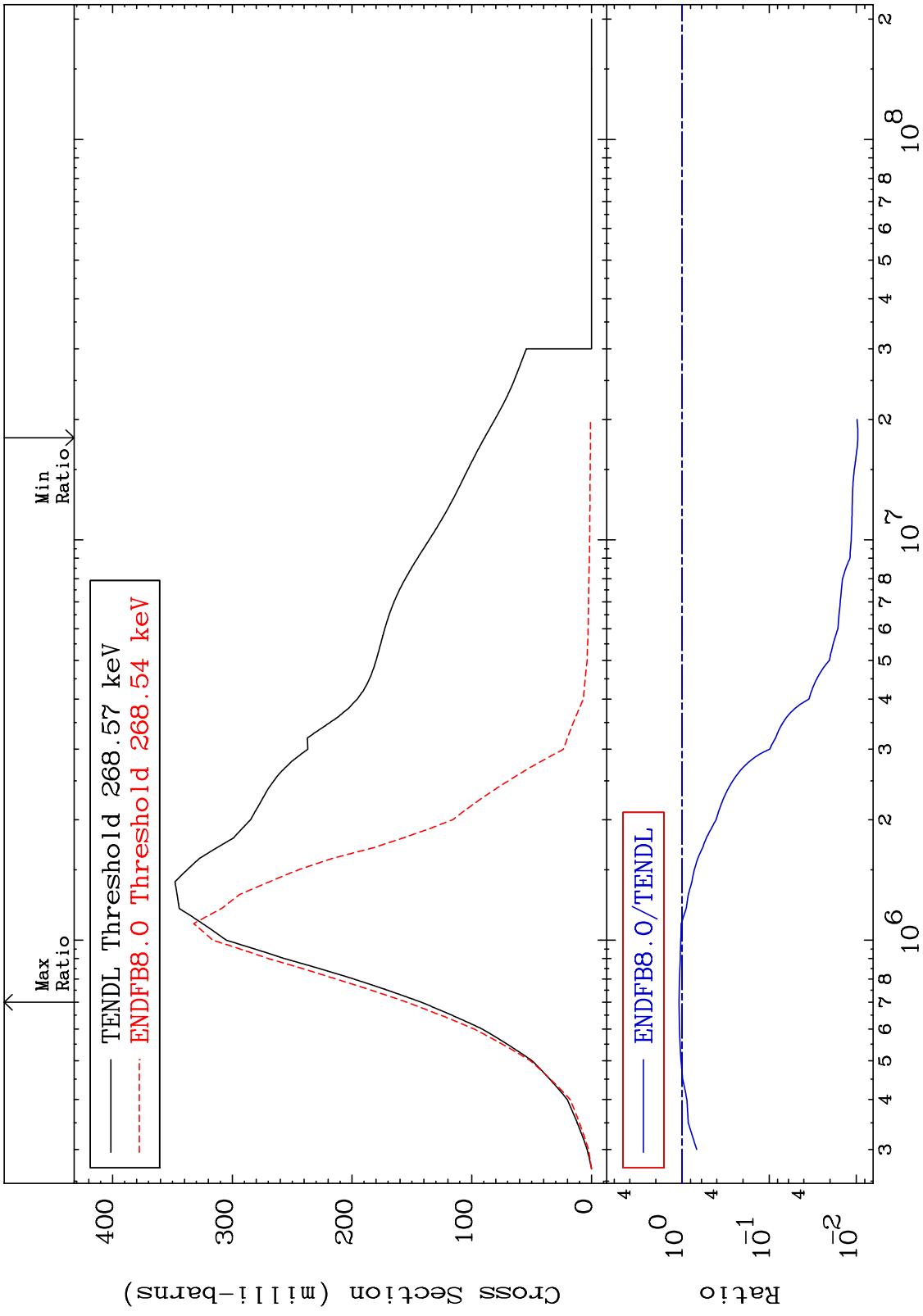


MAT 6255 MT= 51 (n,n') Level Cross Section 62-Sm-154
 -43.61 To 118.3 %

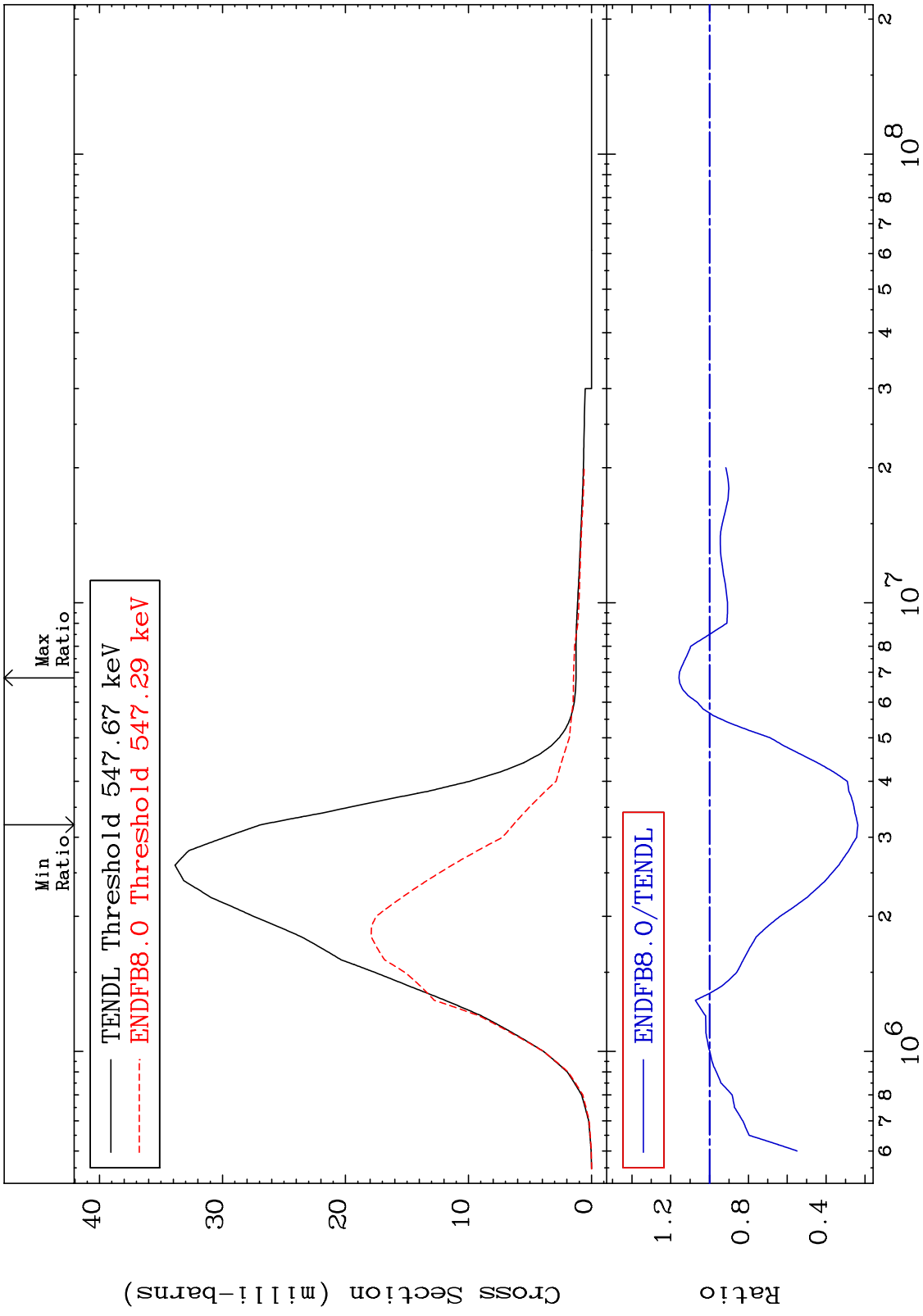


62-Sm-154

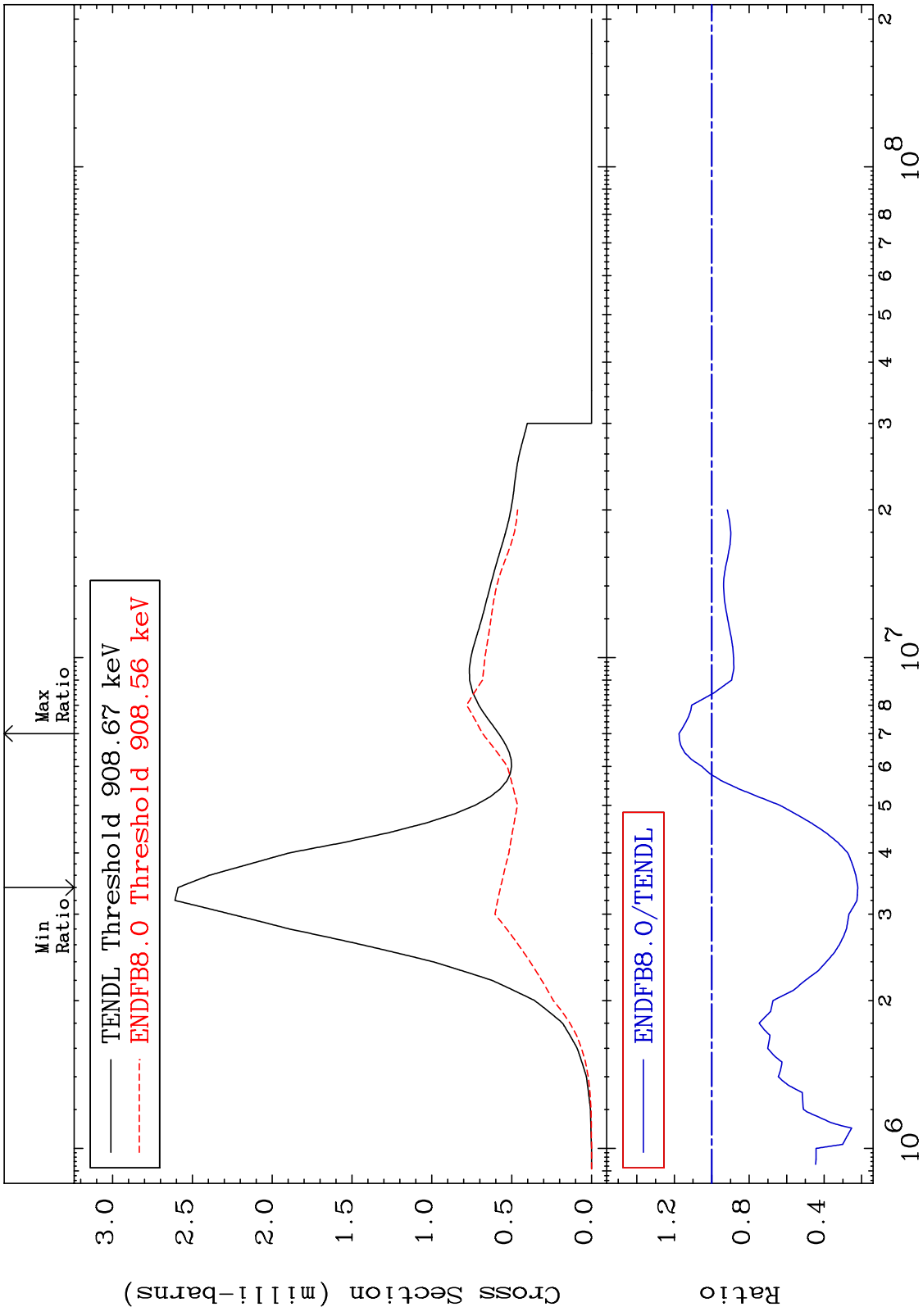
MAT 6255 MT= 52 (n,n') Level Cross Section 62-Sm-154 -99.04 To 8.485 %



MAT 6255 MT= 53 (n,n') Level Cross Section 62-Sm-154
 -76.35 To 15.72 %

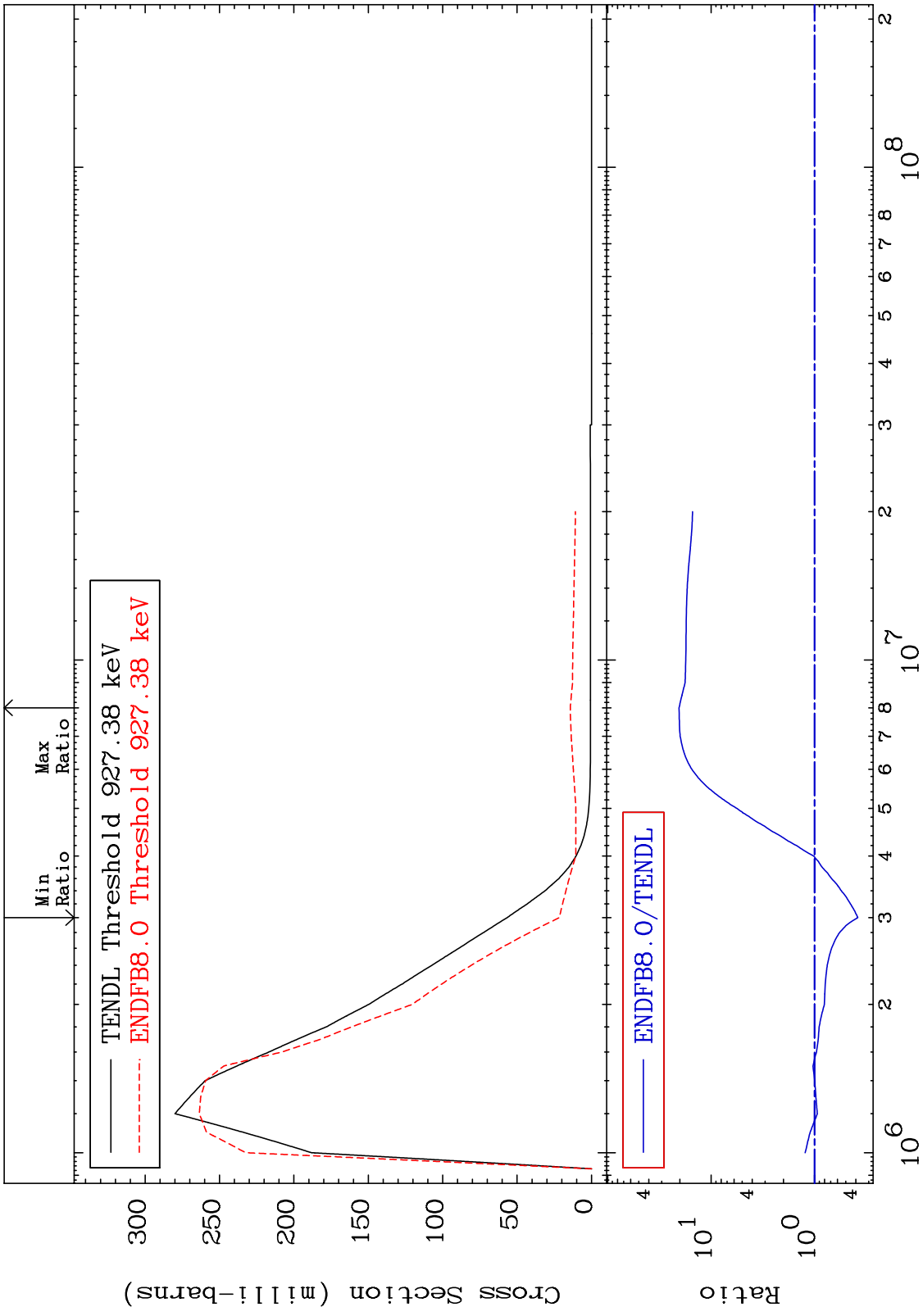


MAT 6255 MT= 54 (n,n') Level Cross Section 62-Sm-154
 -78.00 To 17.47 %

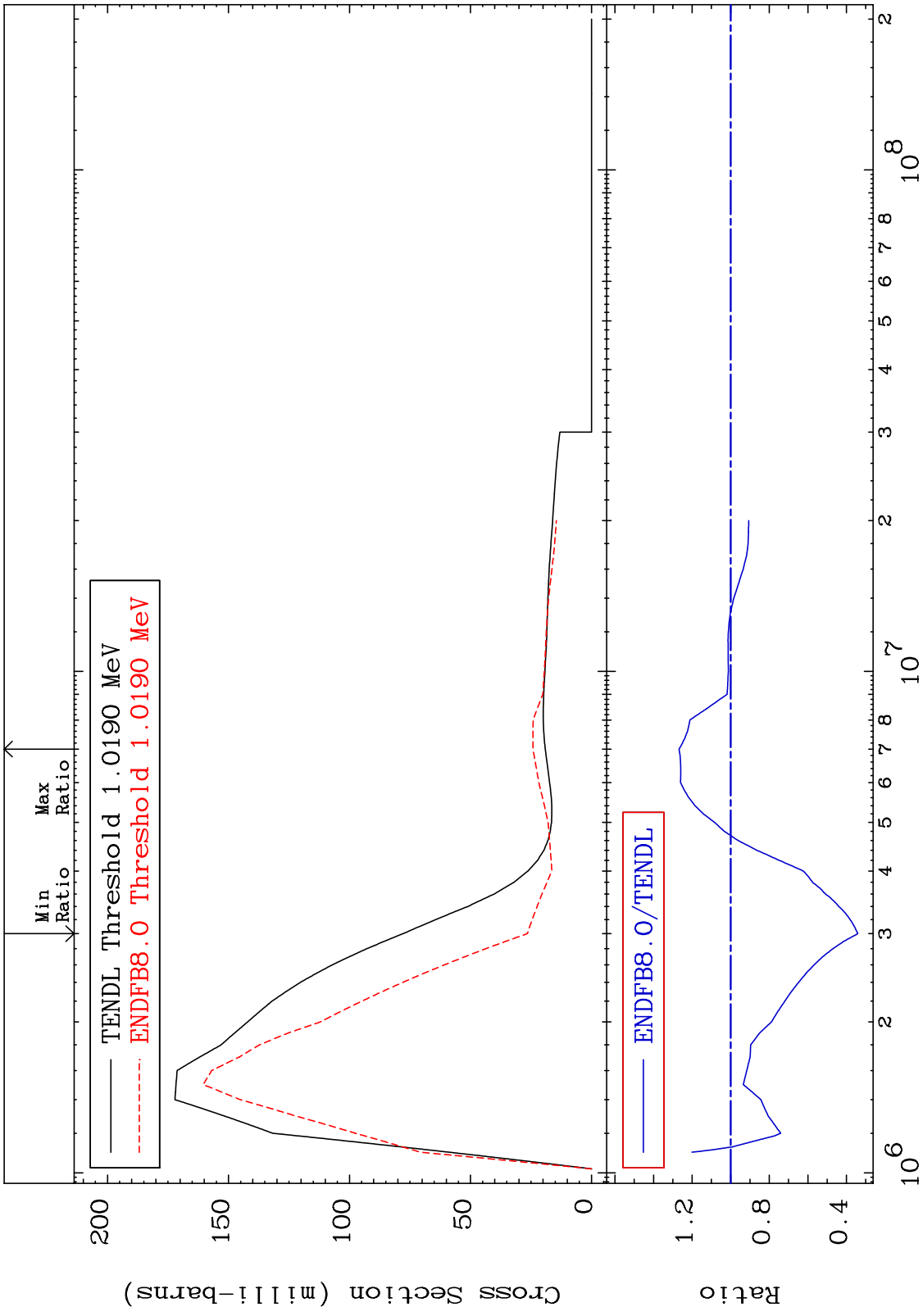


13 62-Sm-154

MAT 6255 MT= 55 (n,n') Level Cross Section 62-Sm-154
 -61.80 To 1940. %

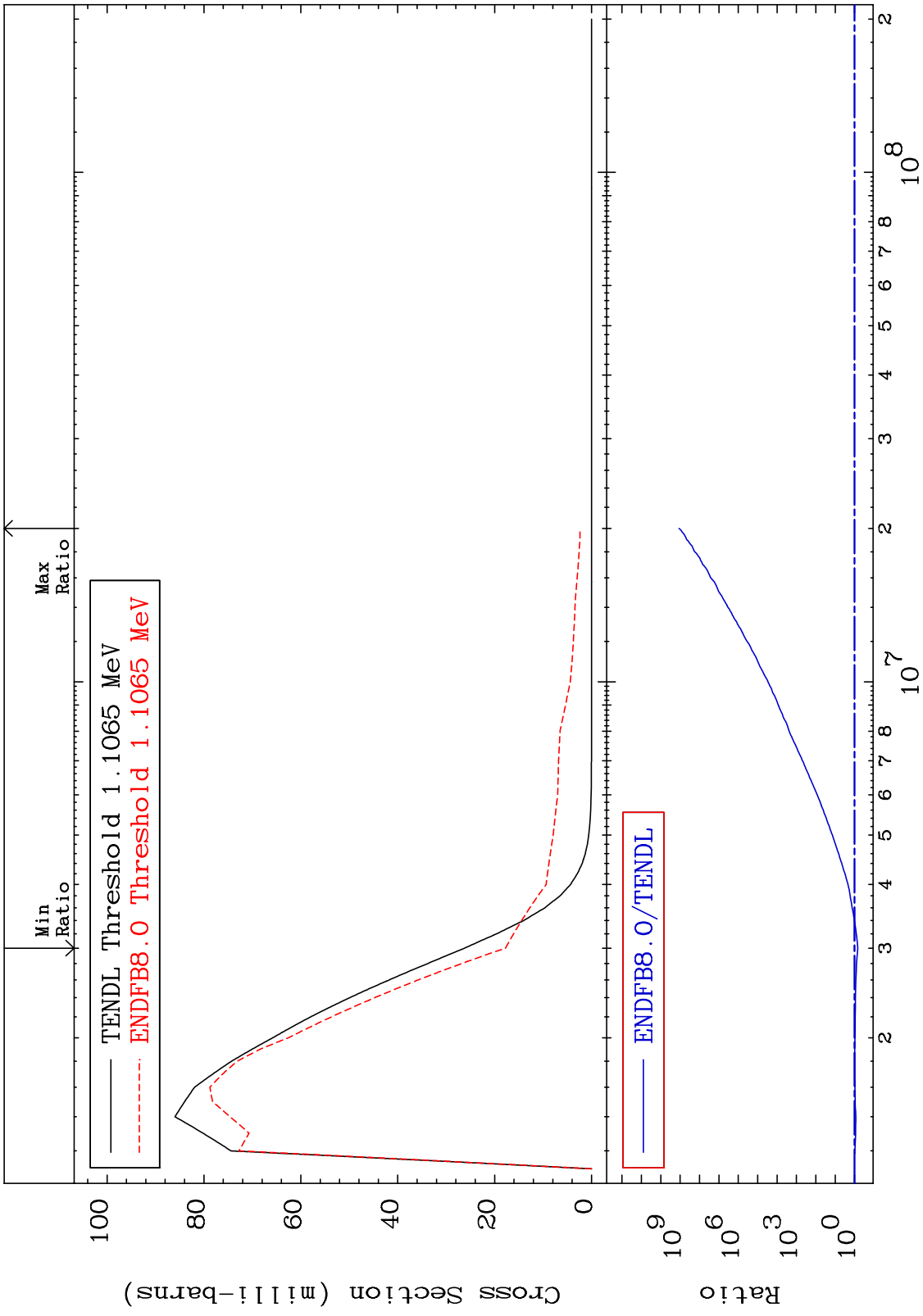


MAT 6255 MT= 56 (n,n') Level Cross Section 62-Sm-154 -65.91 To 26.77 %

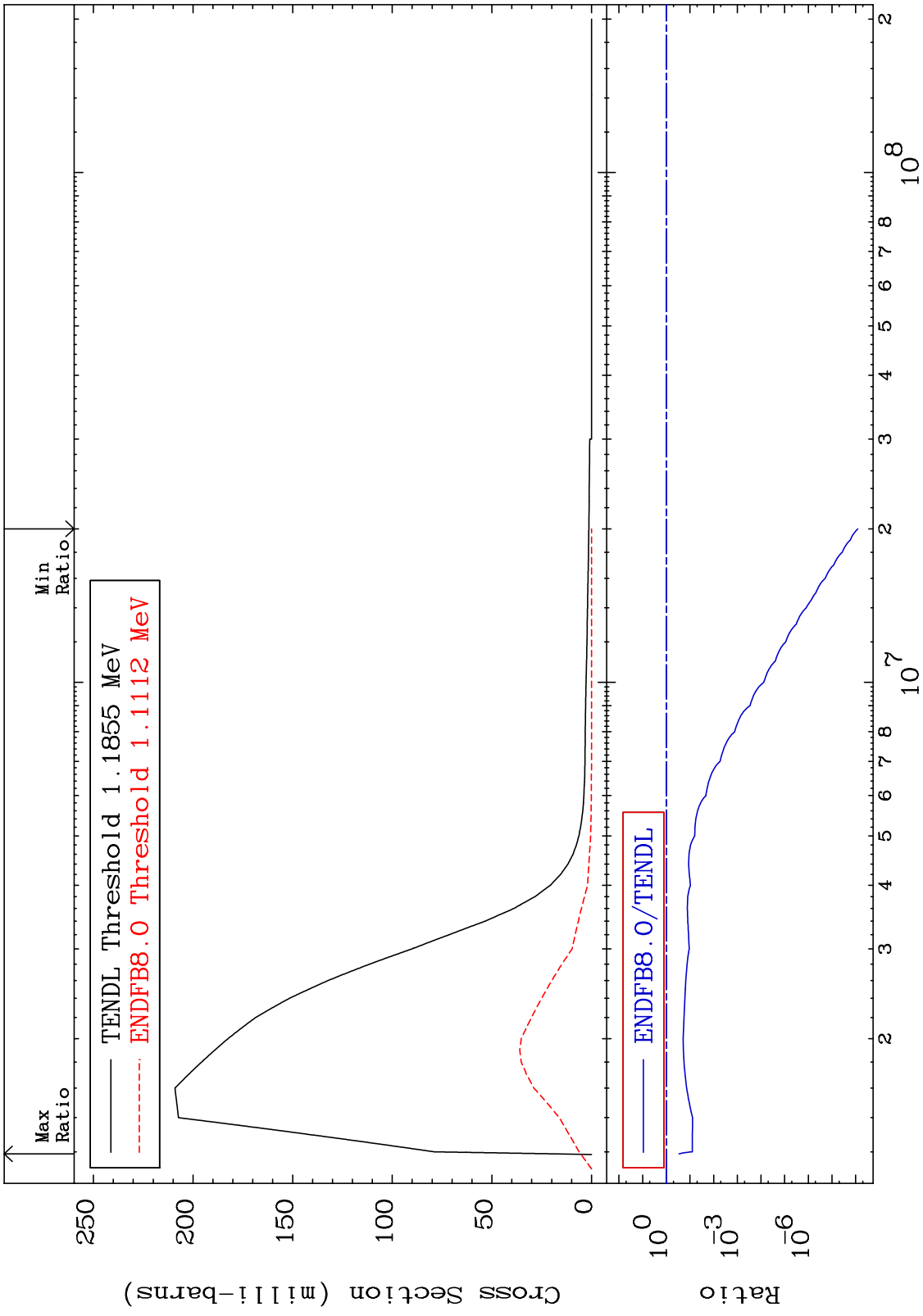


15 Incident Energy (eV) 62-Sm-154

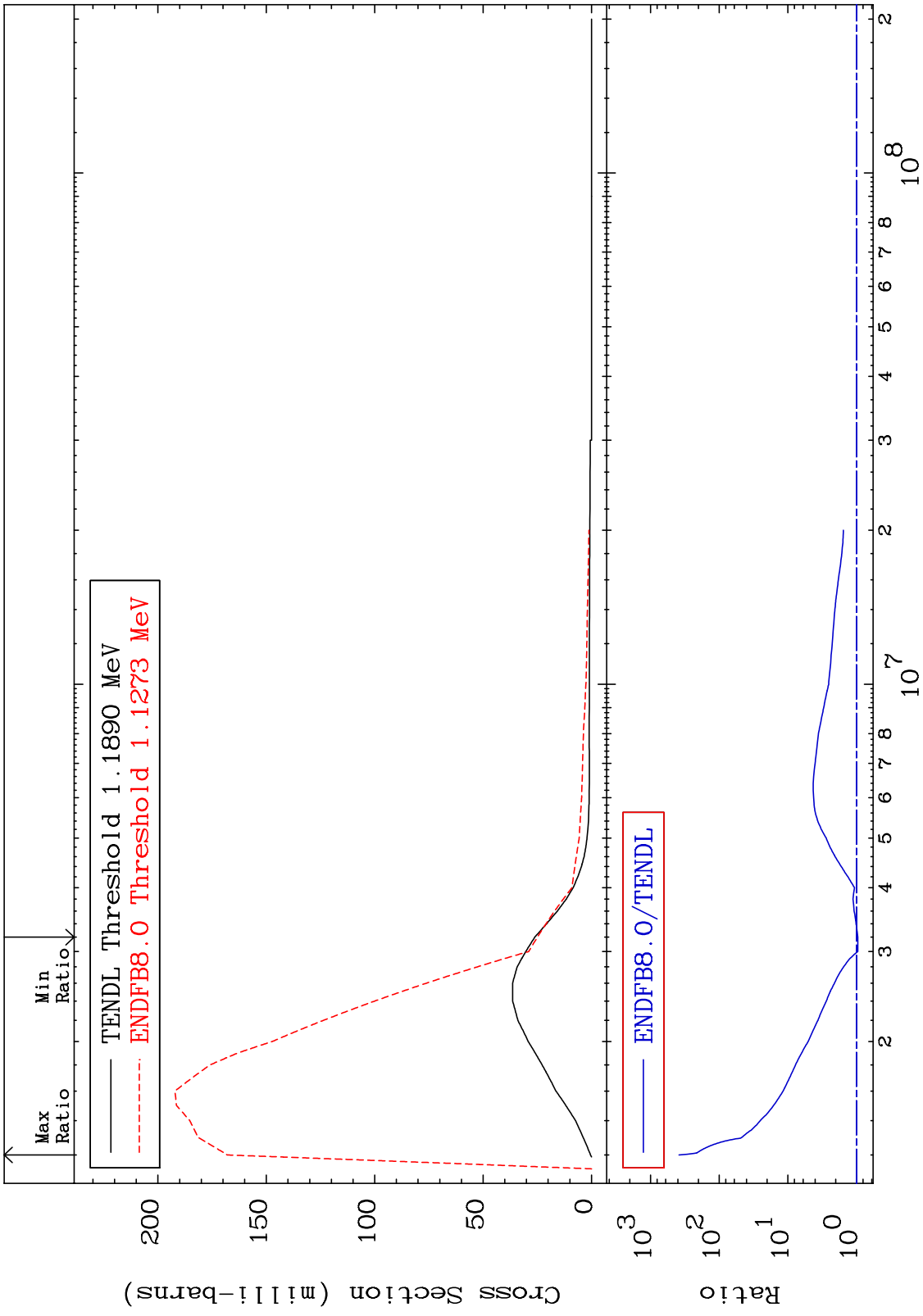
MAT 6255 MT= 57 (n,n') Level Cross Section 62-Sm-154 -32.19 To 9999. %



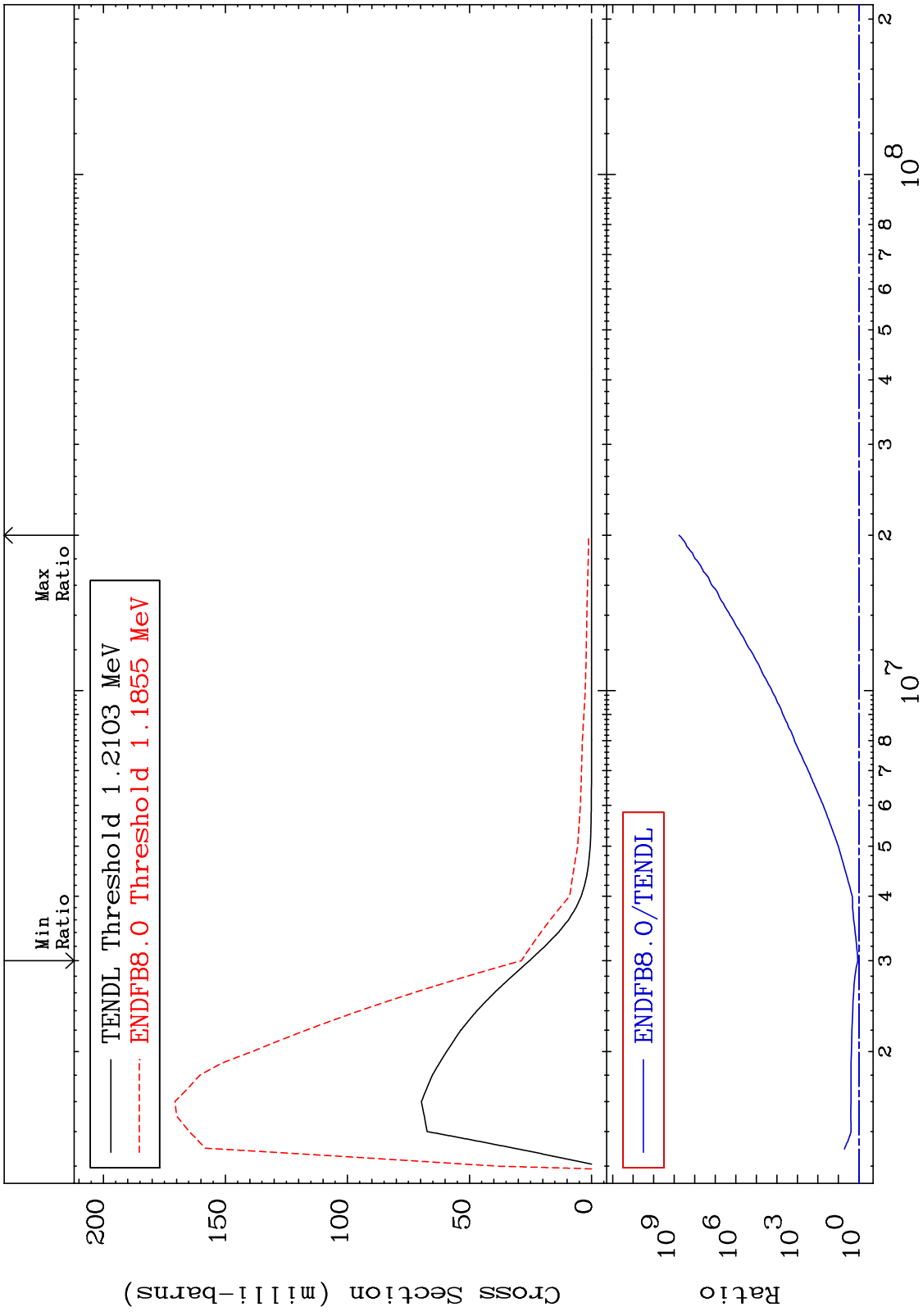
MAT 6255 MT= 58 (n,n') Level Cross Section 62-Sm-154 -100.0 To -71.02%



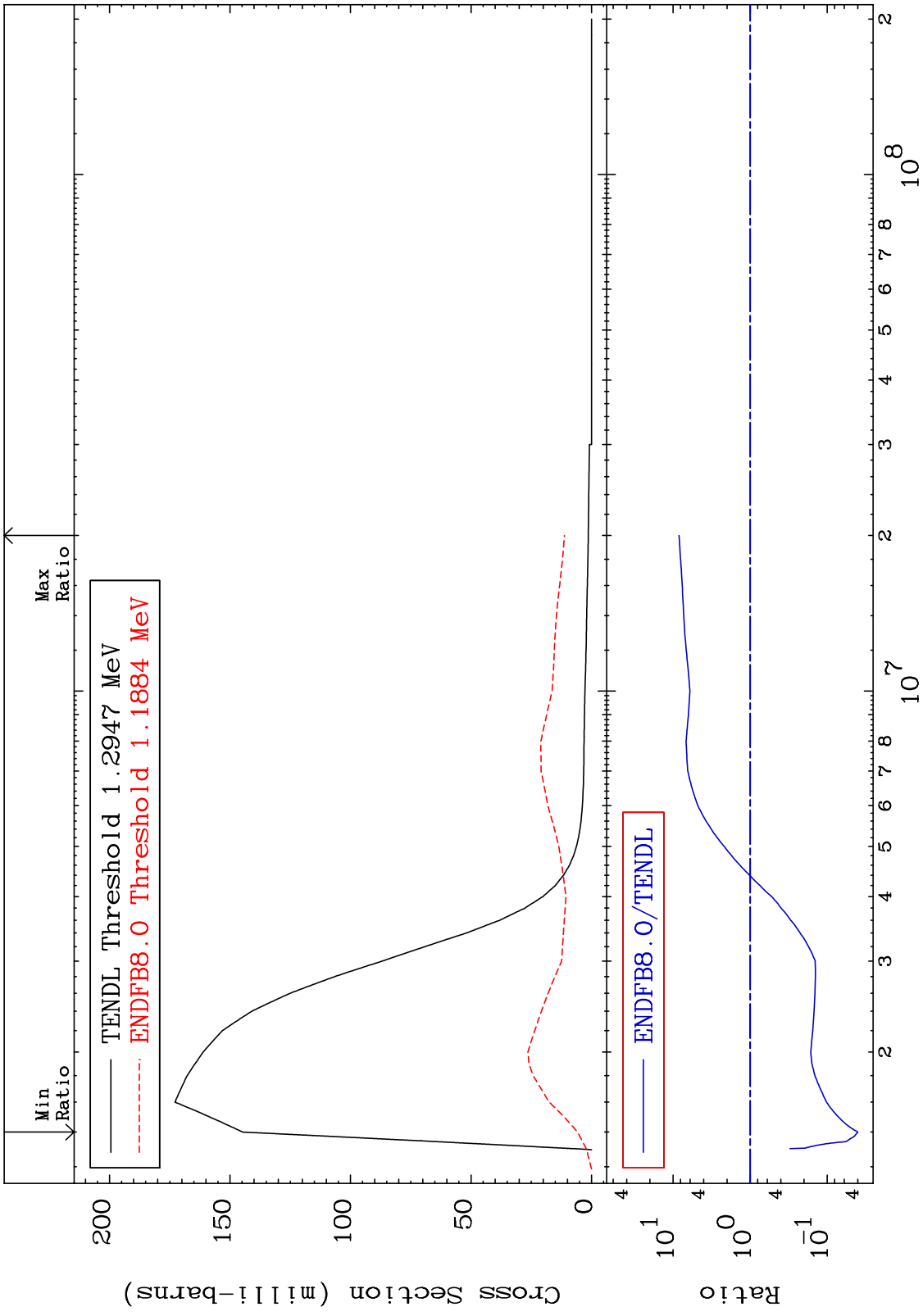
MAT 6255 MT= 59 (n,n') Level Cross Section 62-Sm-154
 -4.536 To 9999. %



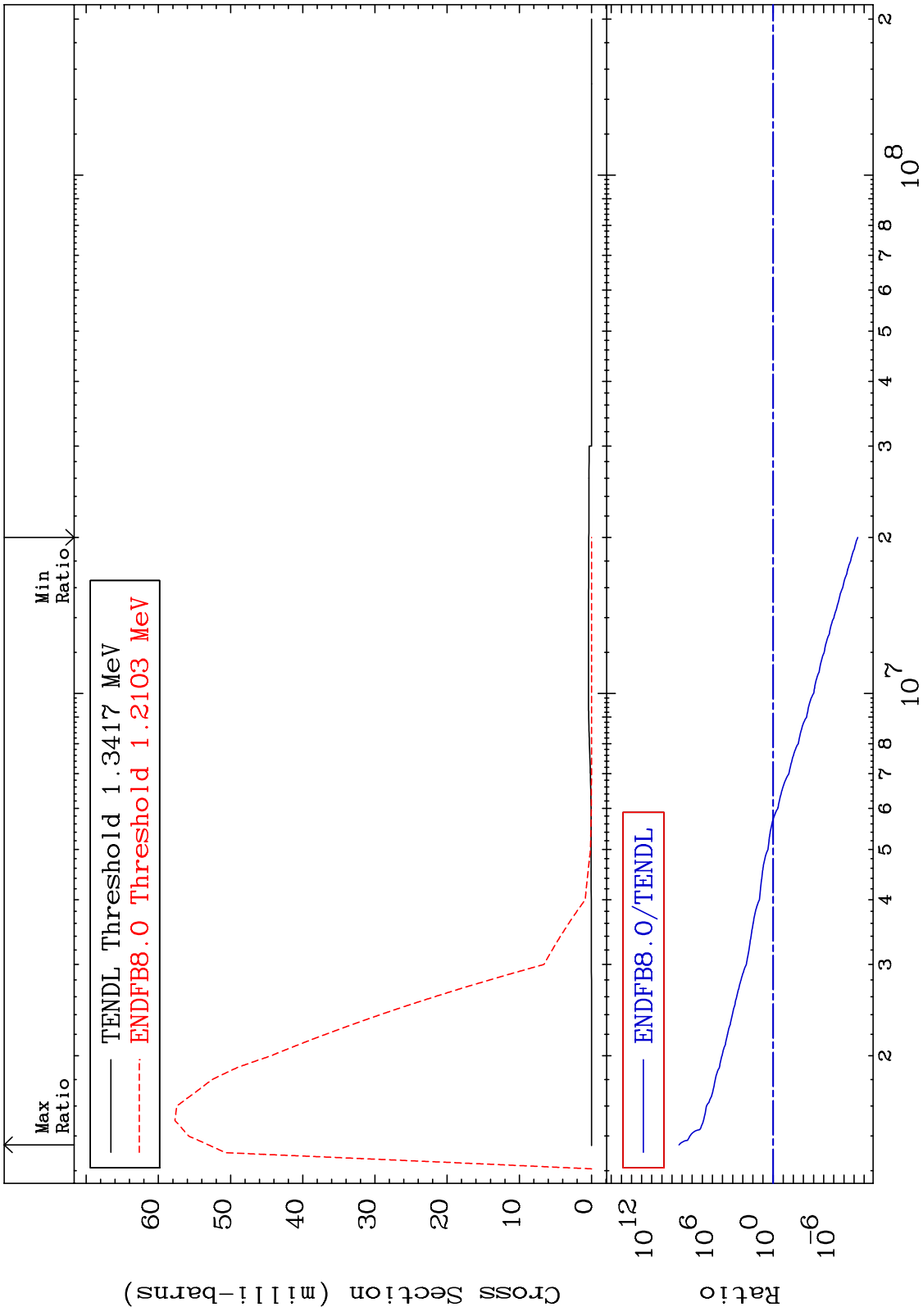
MAT 6255 MT= 60 (n,n') Level Cross Section 62-Sm-154 13.23 To 9999. %



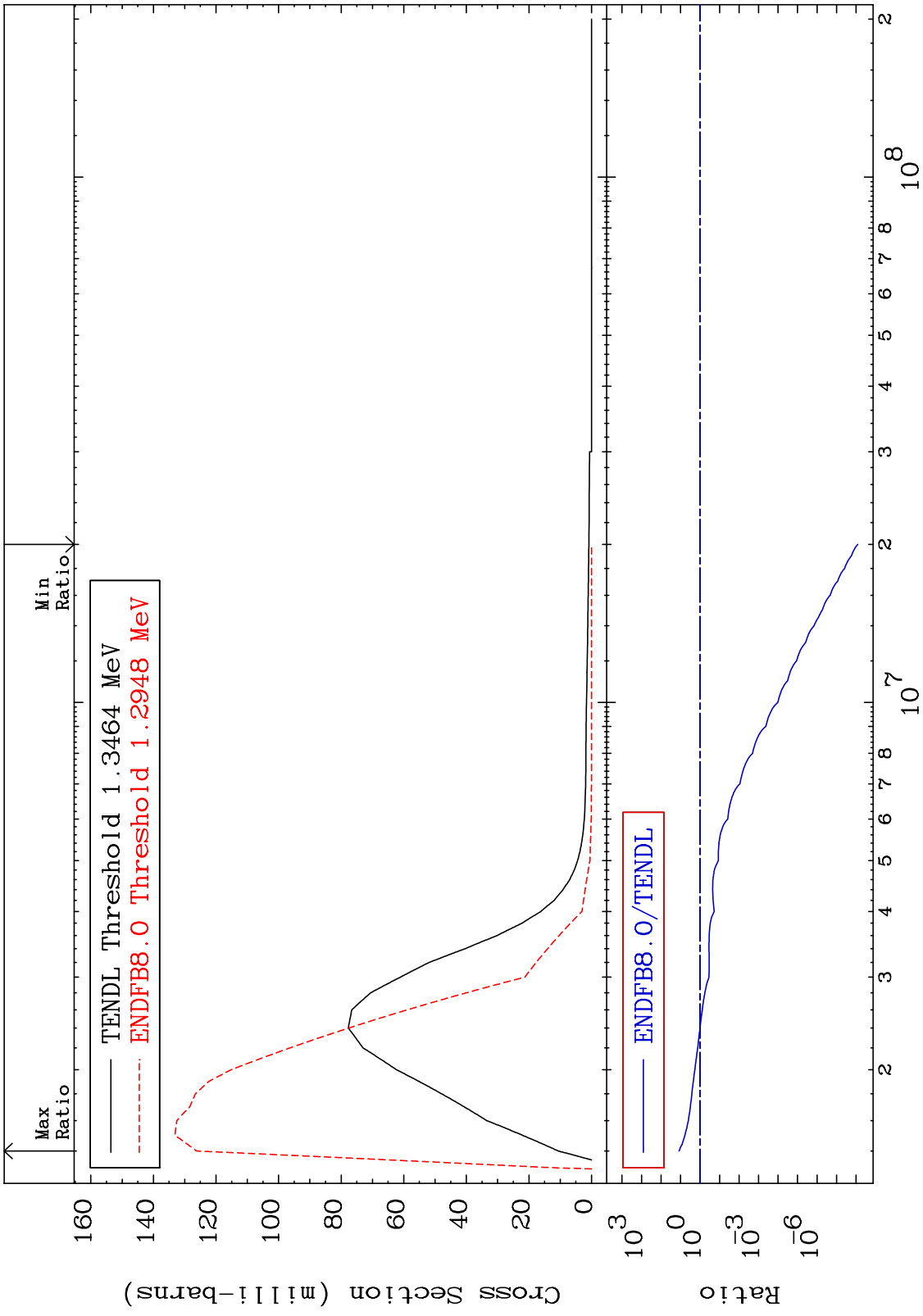
MAT 6255 MT= 61 (n,n') Level Cross Section 62-Sm-154 -96.00 To 738.2 %



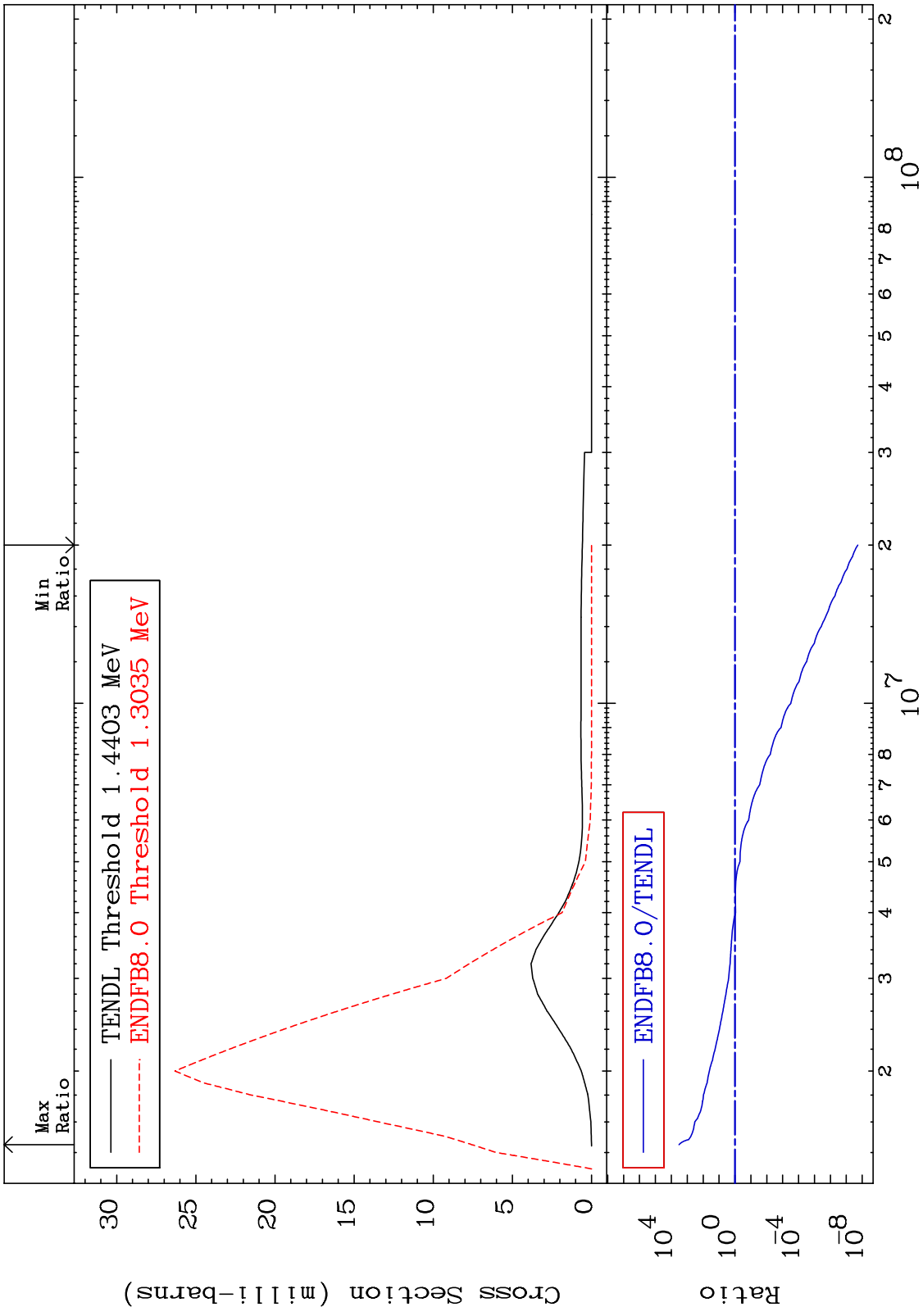
MAT 6255 MT= 62 (n,n') Level Cross Section 62-Sm-154 -100.0 To 9999. %



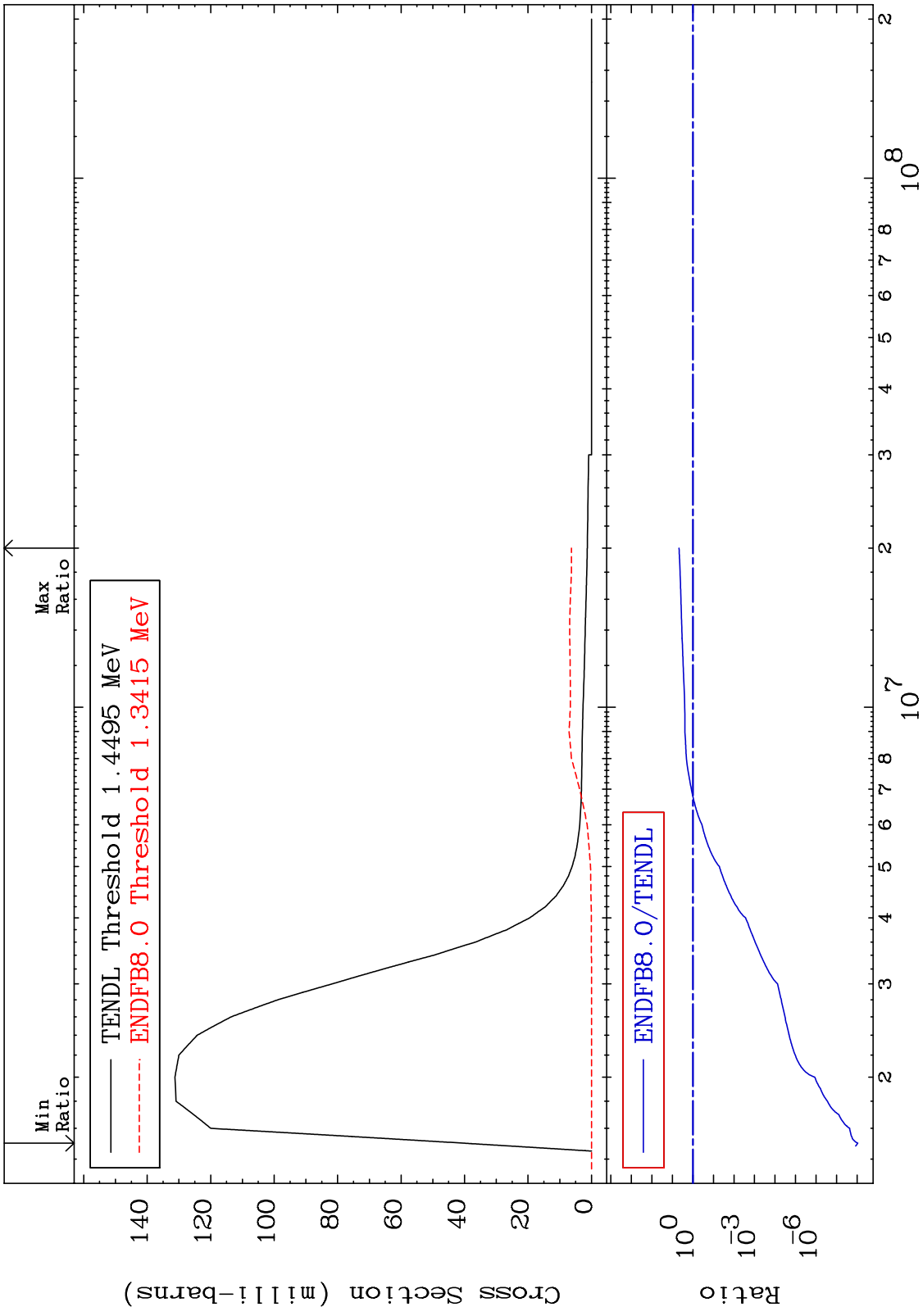
MAT 6255 MT= 63 (n,n') Level Cross Section 62-Sm-154 -100.0 To 1093. %



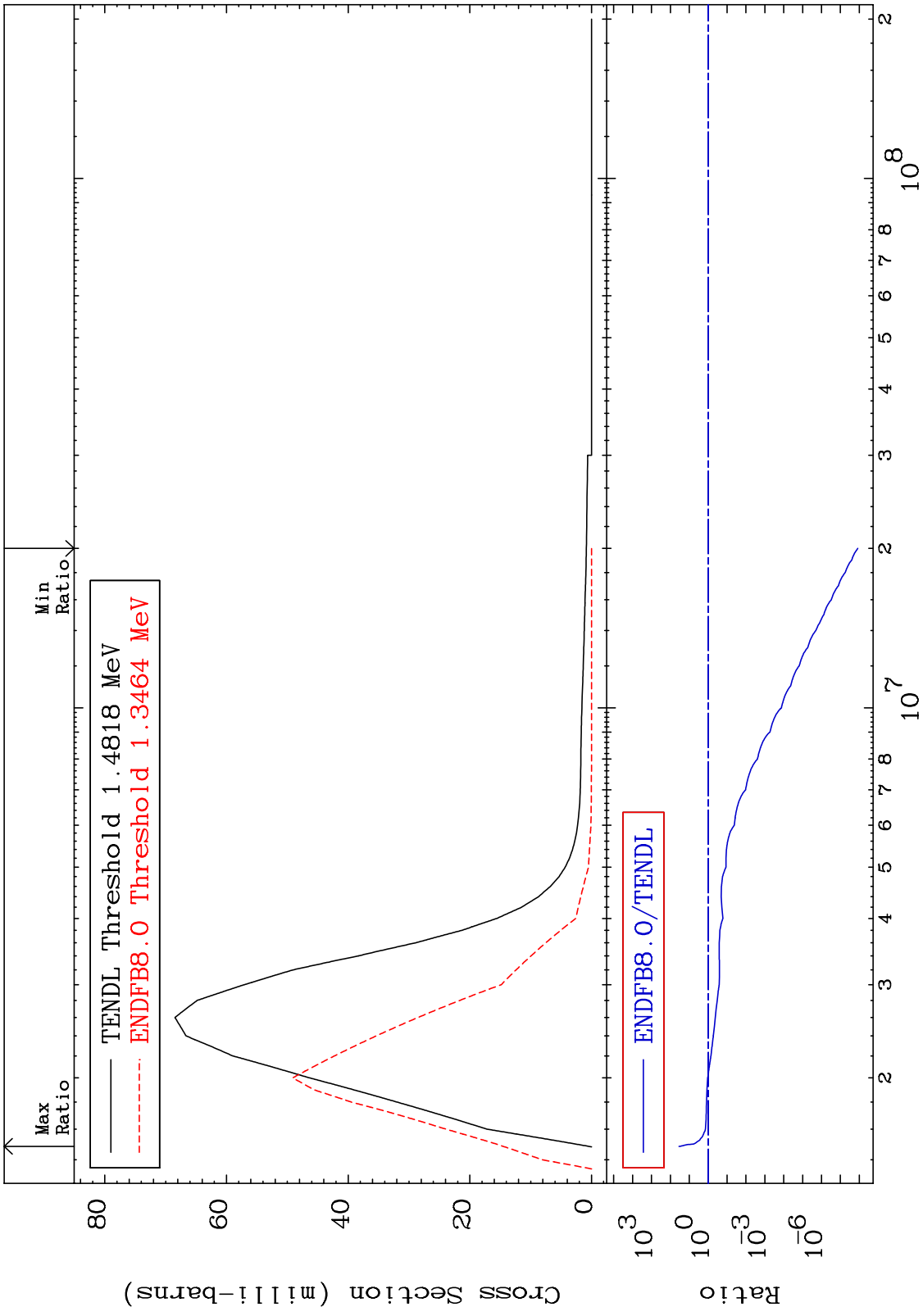
MAT 6255 MT= 64 (n,n') Level Cross Section 62-Sm-154
 -100.0 To 9999. %



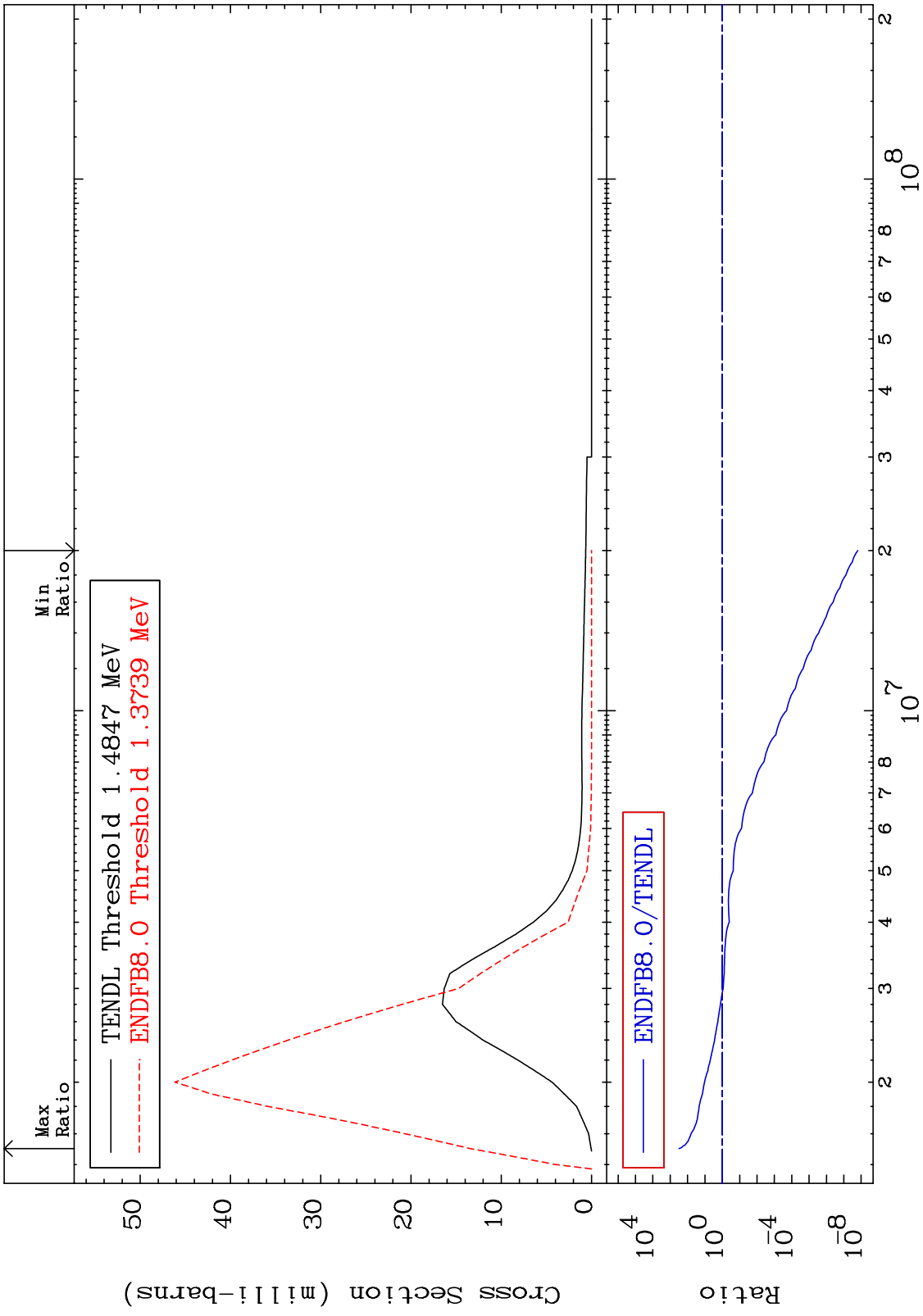
MAT 6255 MT= 65 (n,n') Level Cross Section 62-Sm-154
 -100.0 To 374.8 %



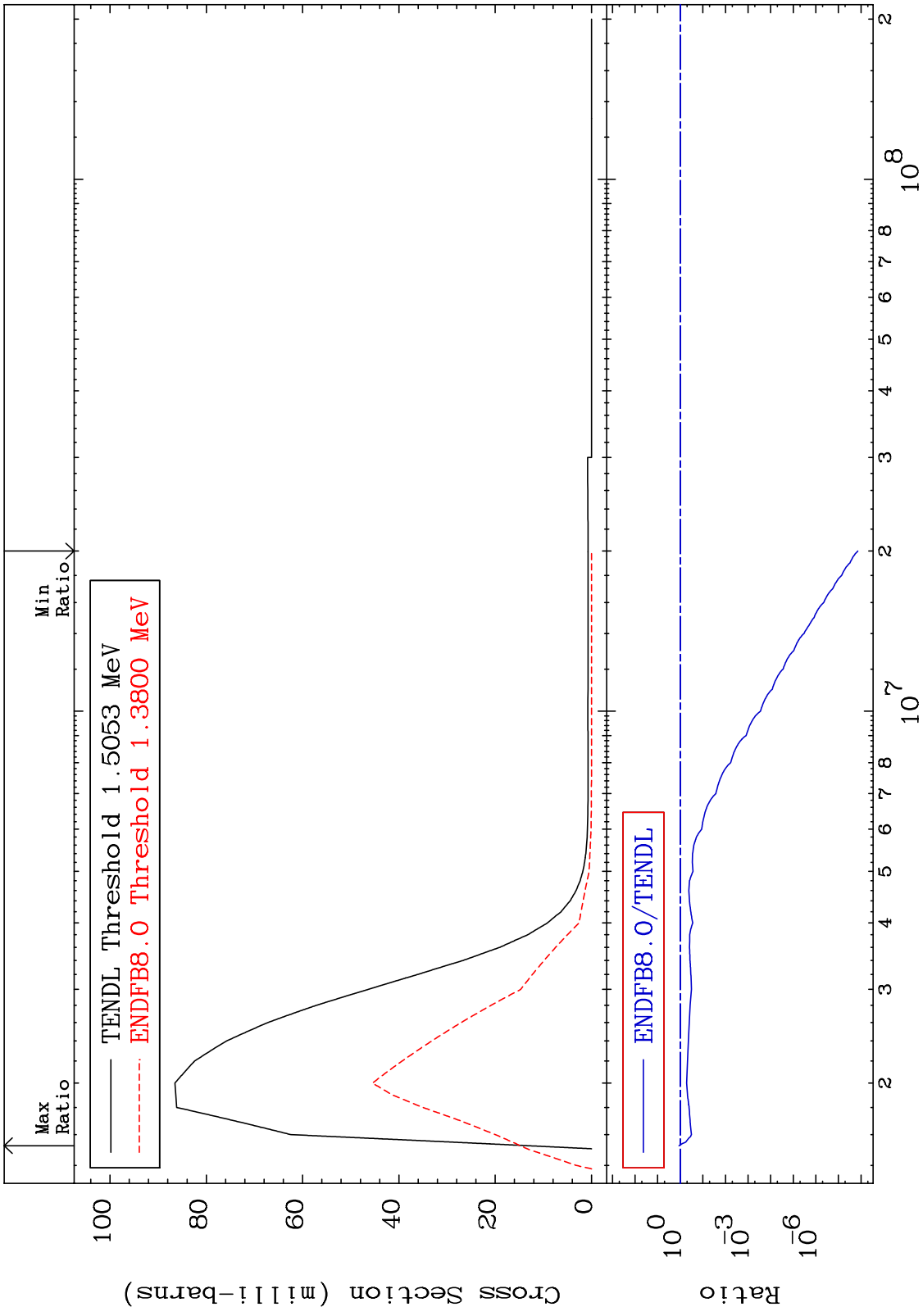
MAT 6255 MT= 66 (n,n') Level Cross Section 62-Sm-154
 -100.0 To 3382. %



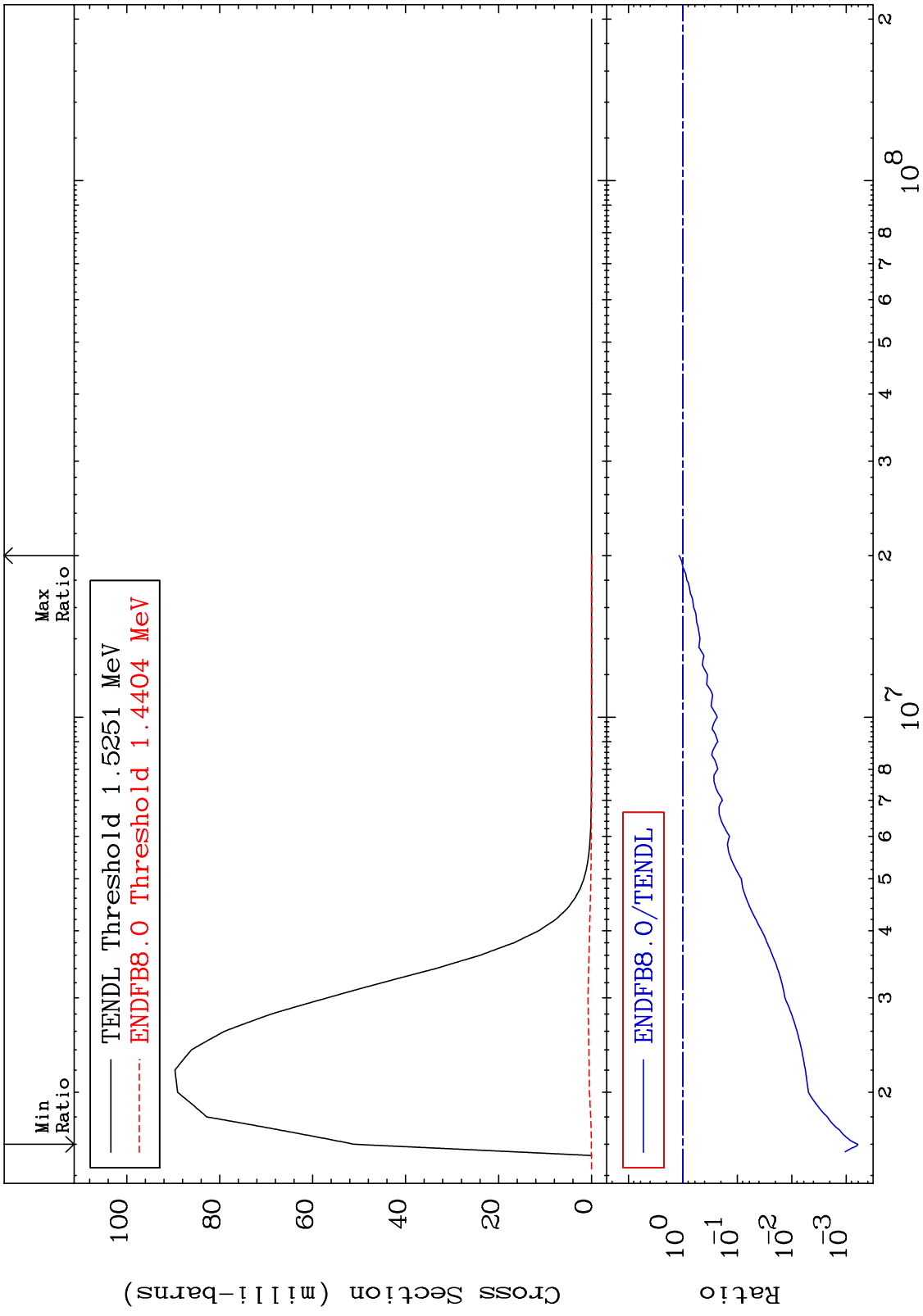
MAT 6255 MT= 67 (n,n') Level Cross Section 62-Sm-154 -100.0 To 9999. %



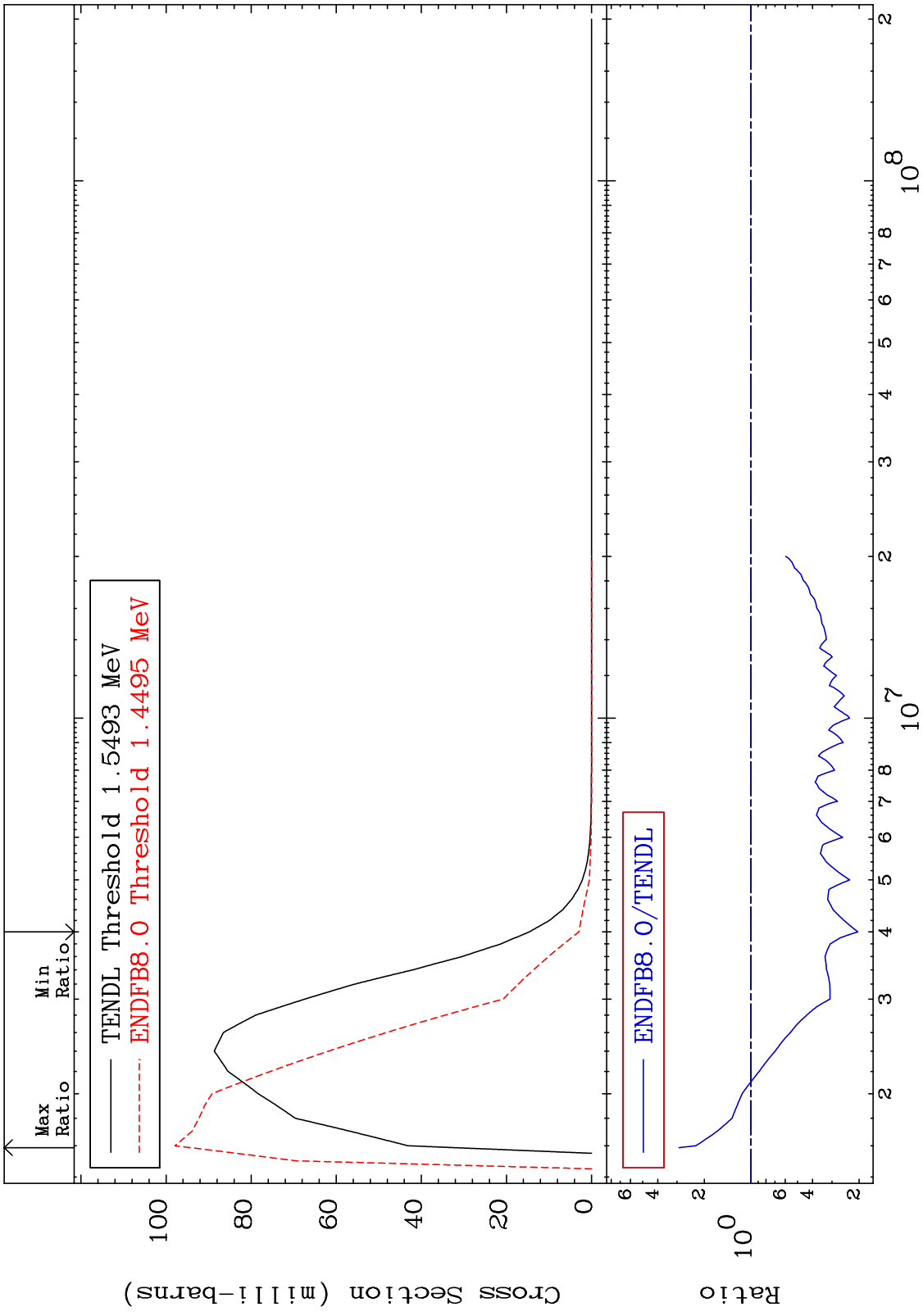
MAT 6255 MT= 68 (n,n') Level Cross Section 62-Sm-154
 -100.0 To 12.97 %



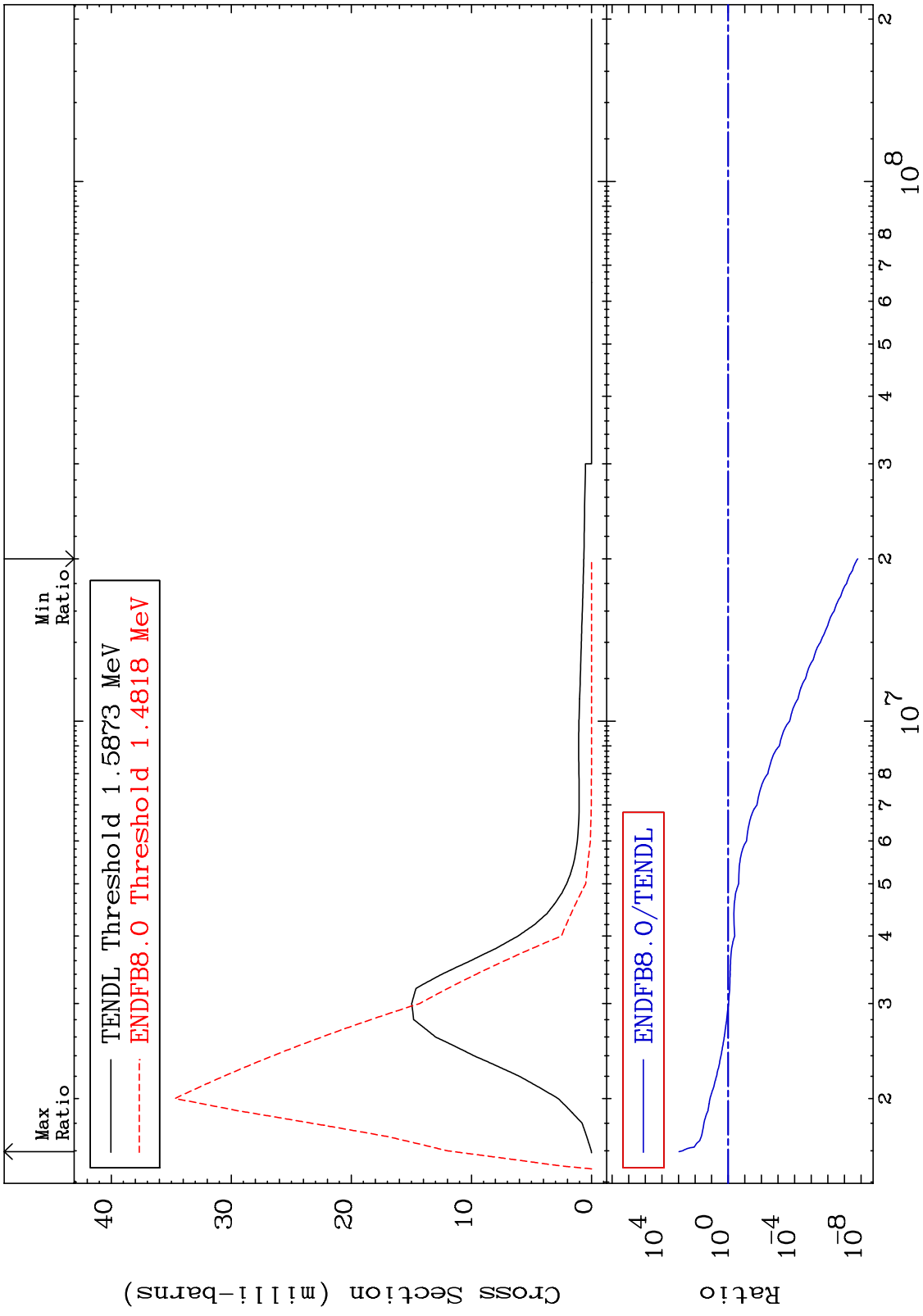
MAT 6255 MT= 69 (n,n') Level Cross Section 62-Sm-154 -99.94 To 17.89 %



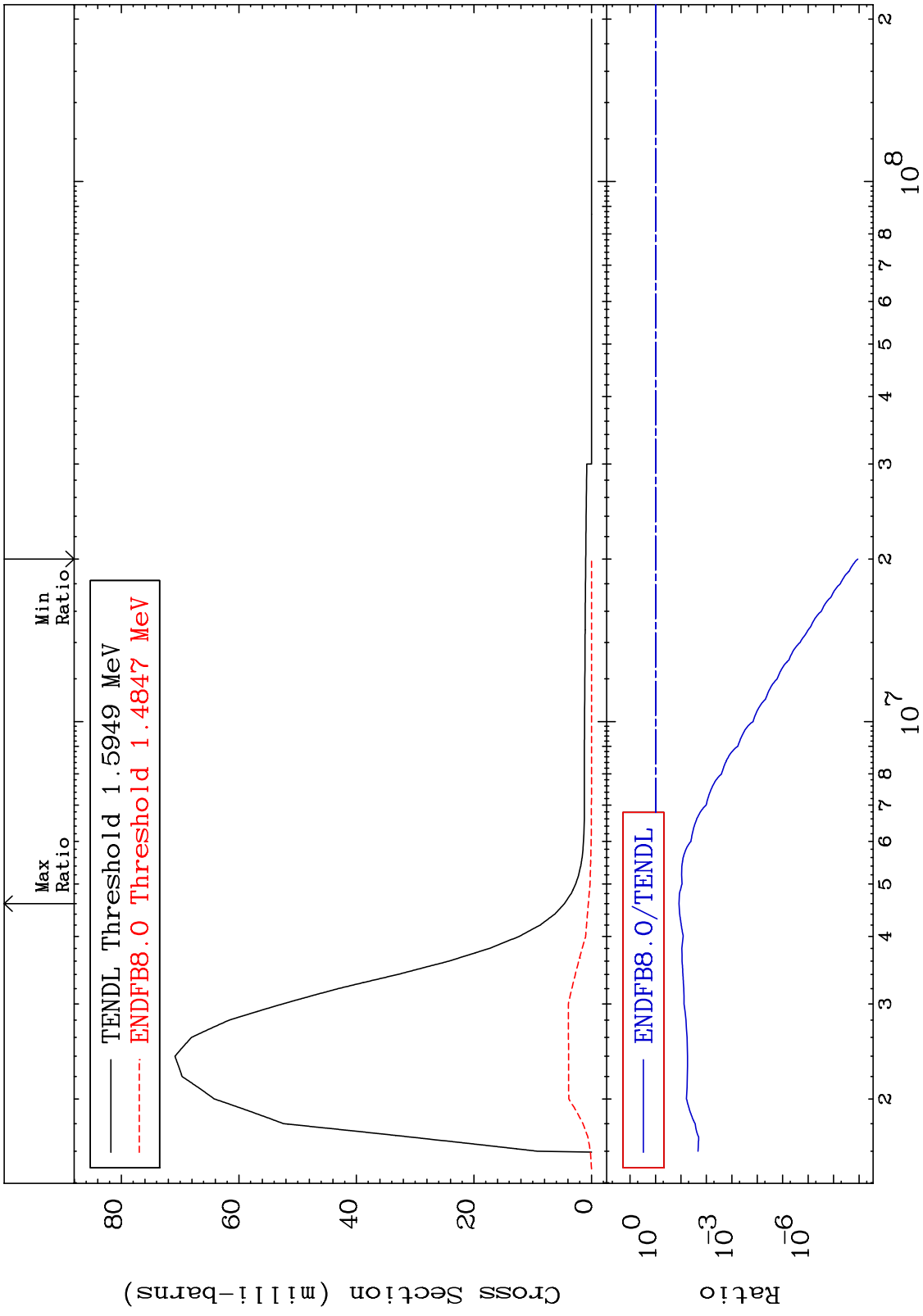
MAT 6255 MT= 70 (n,n') Level Cross Section 62-Sm-154 -79.60 To 191.4 %



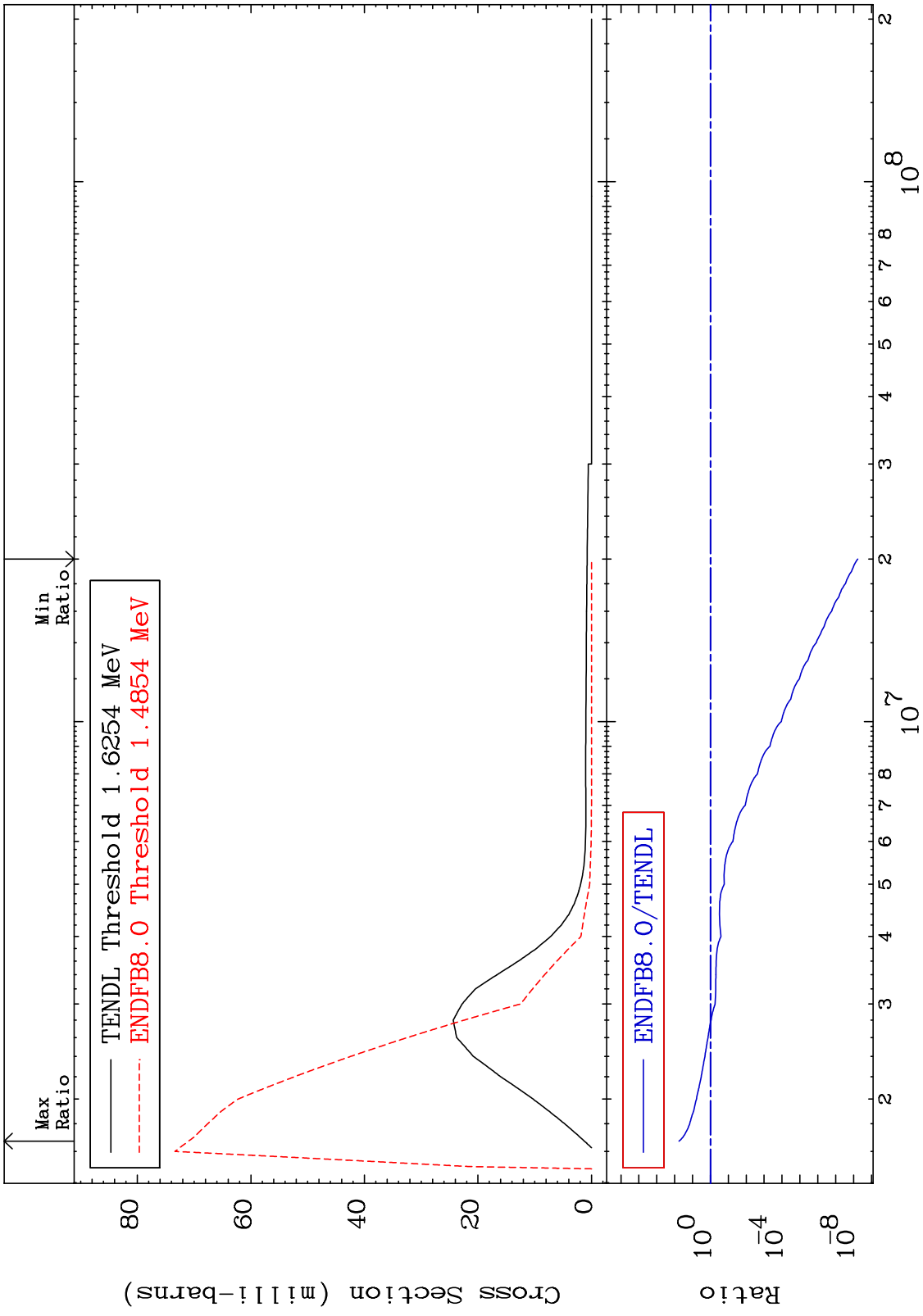
MAT 6255 MT= 71 (n,n') Level Cross Section 62-Sm-154
 -100.0 To 9999. %



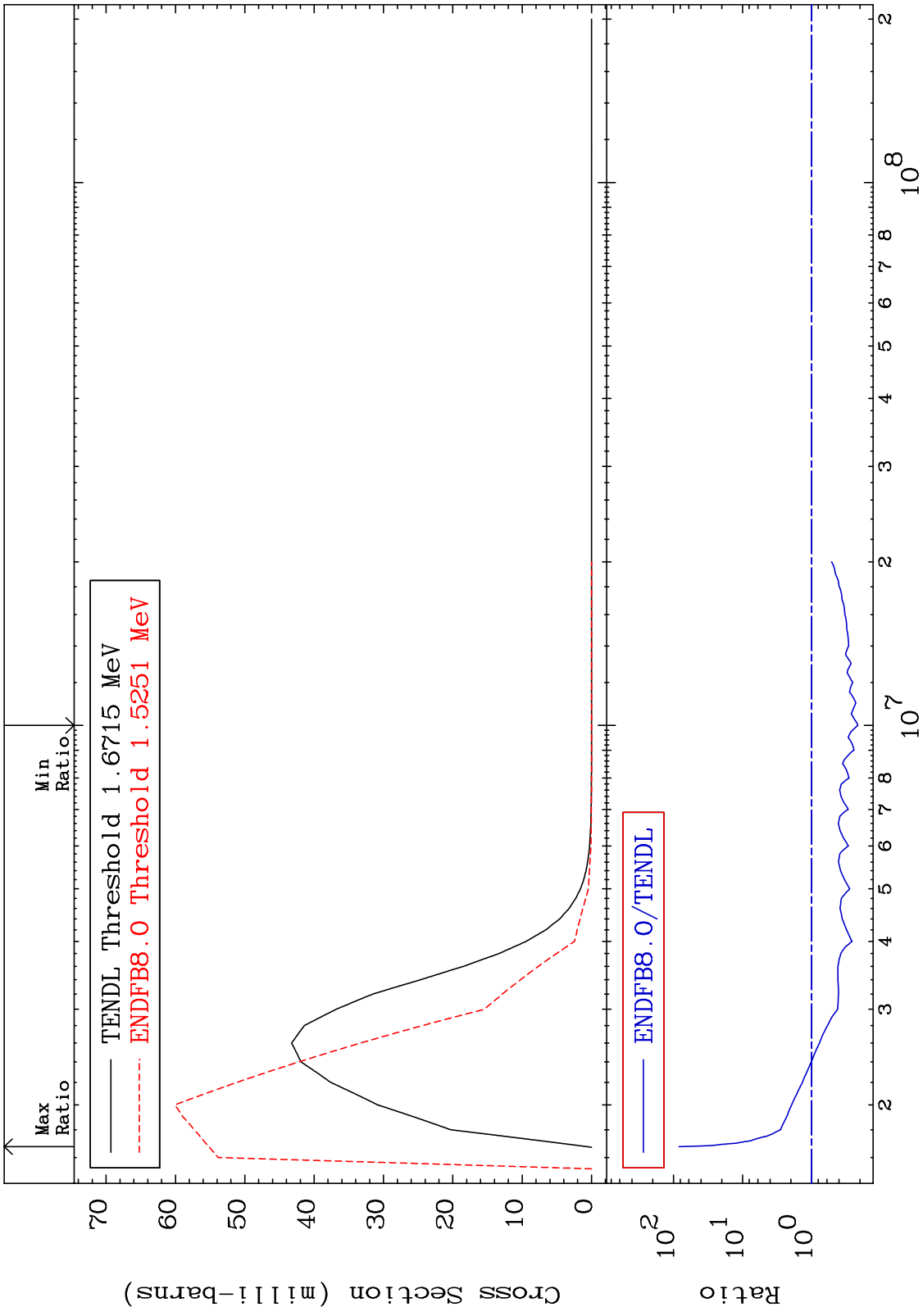
MAT 6255 MT= 72 (n,n') Level Cross Section 62-Sm-154 -100.0 To -88.13%



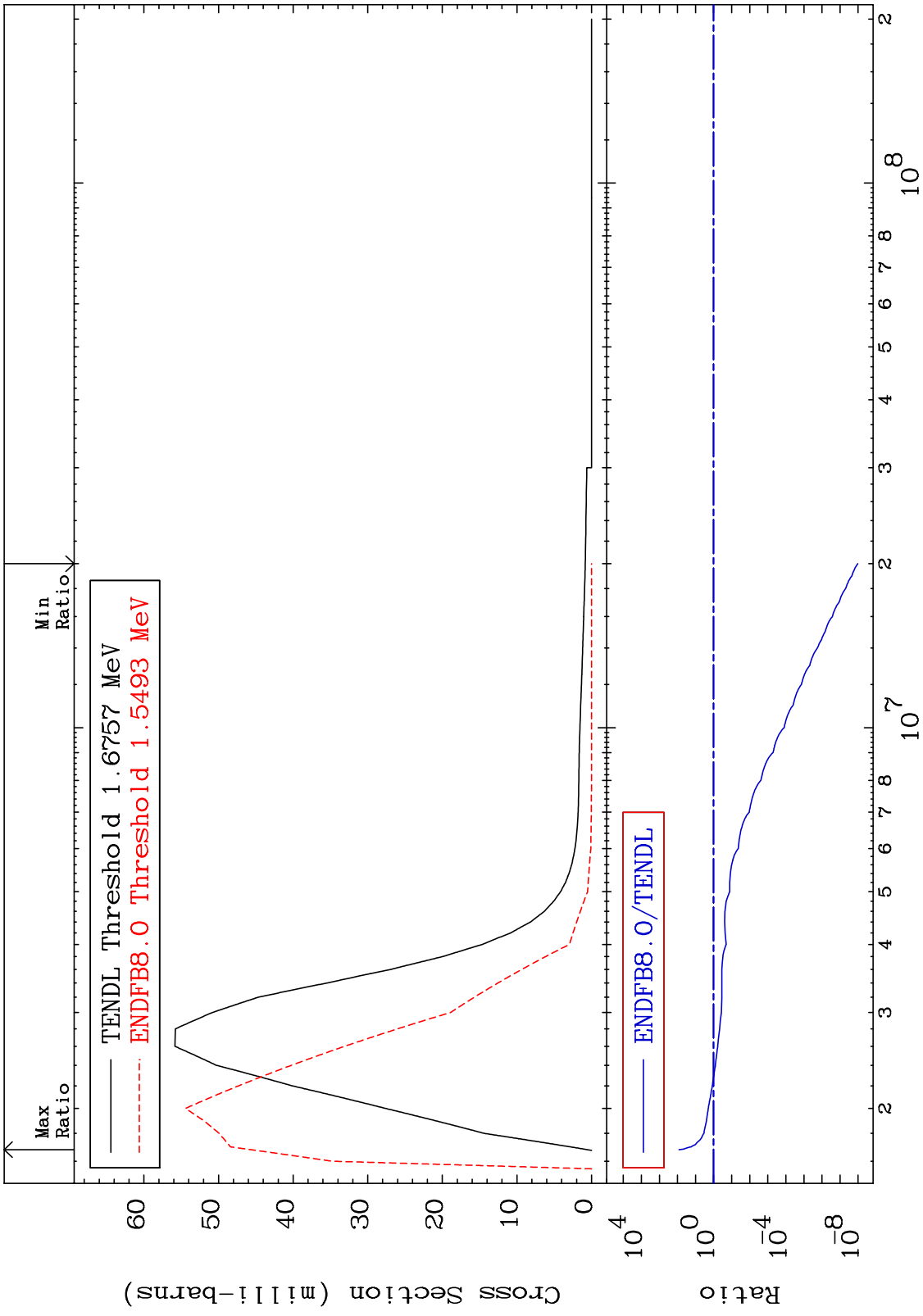
MAT 6255 MT= 73 (n,n') Level Cross Section 62-Sm-154 -100.0 To 5565. %



MAT 6255 MT= 74 (n,n') Level Cross Section 62-Sm-154
 -78.59 To 8215. %



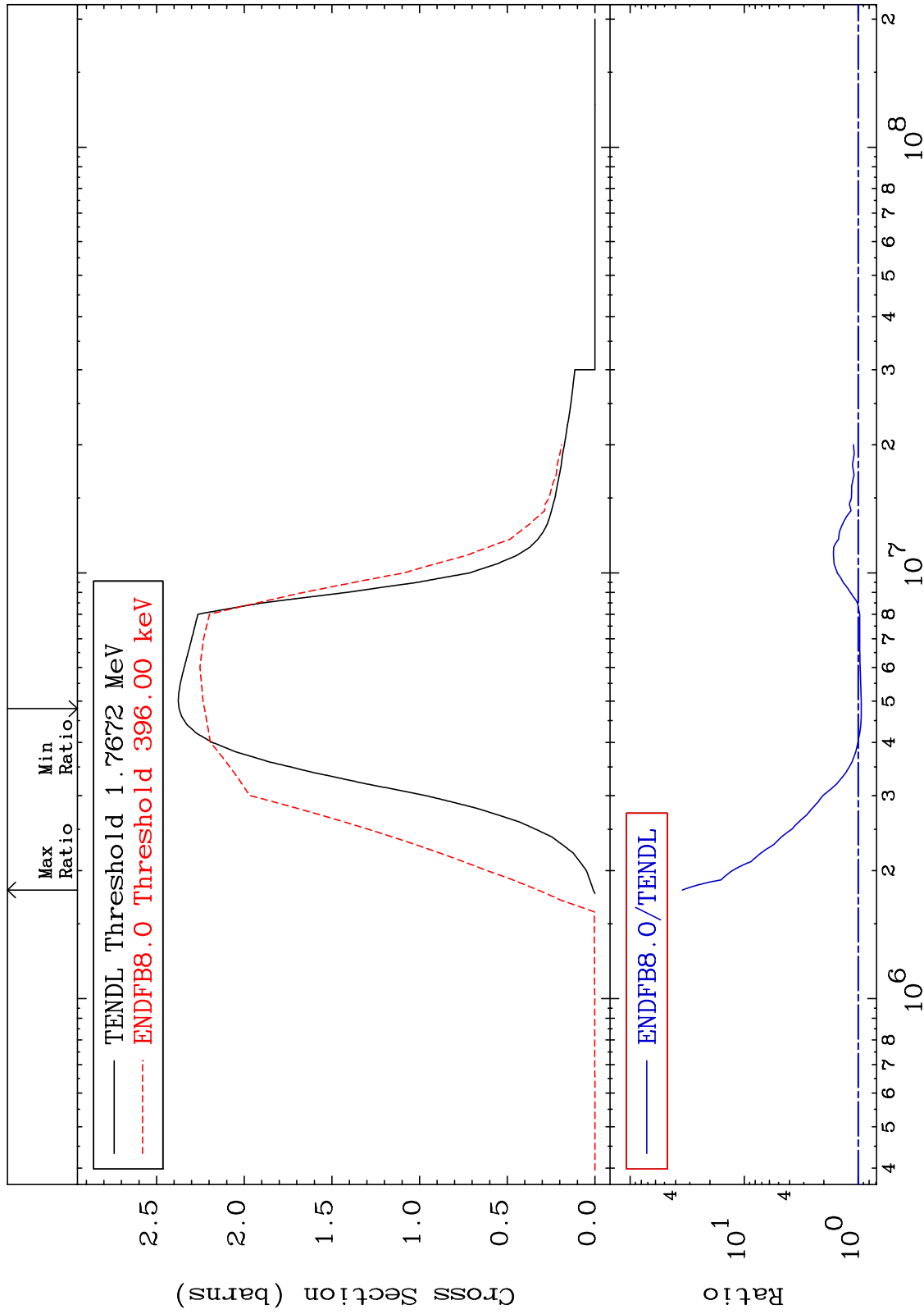
MAT 6255 MT= 75 (n,n') Level Cross Section 62-Sm-154
 -100.0 To 8095. %



MAT 6255

(n,n') Continuum
Cross Section

62-Sm-154
-6.114 To 3381. %



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Incident Energy (eV)

62-Sm-154

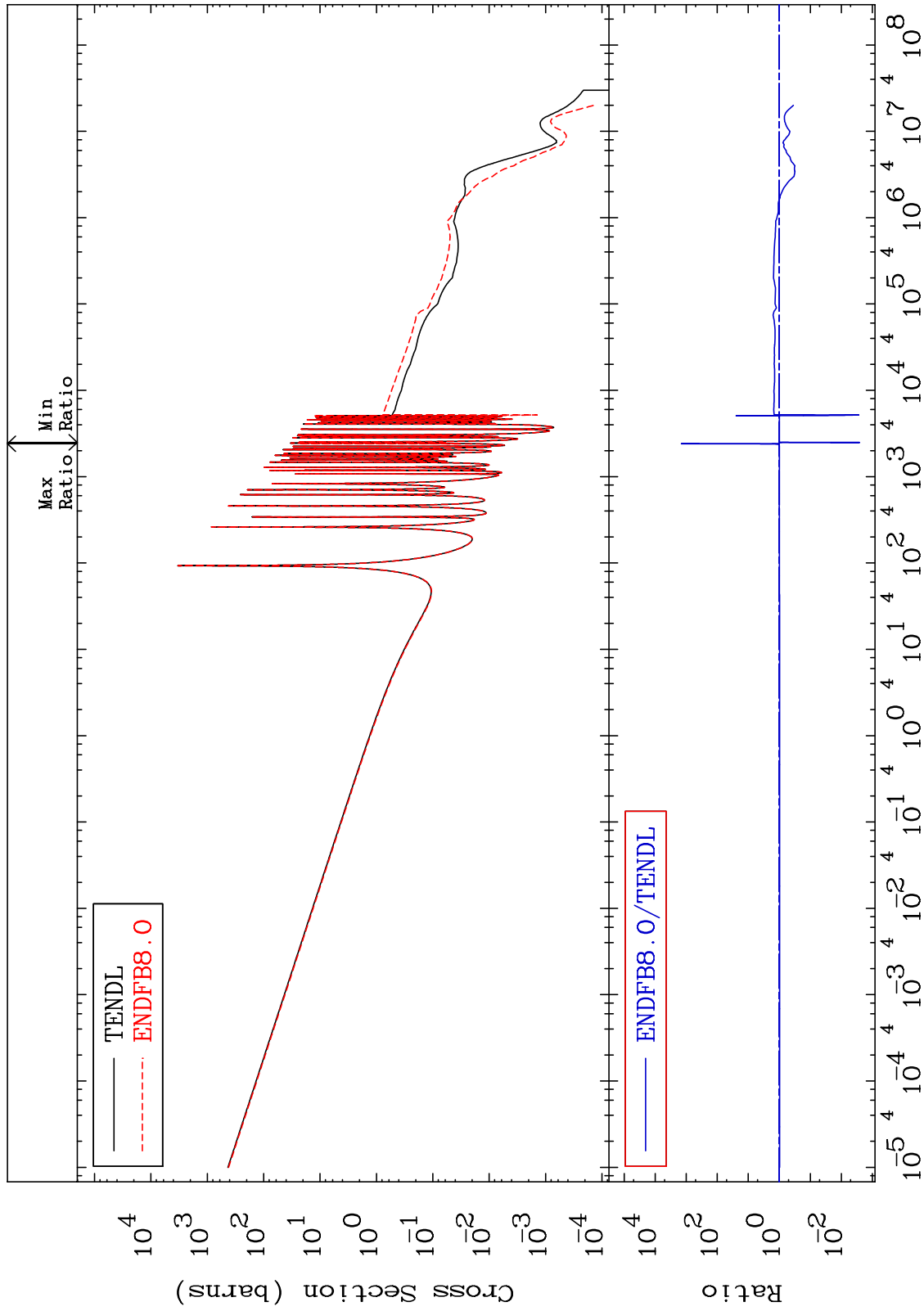
MAT 6255

(n, γ)

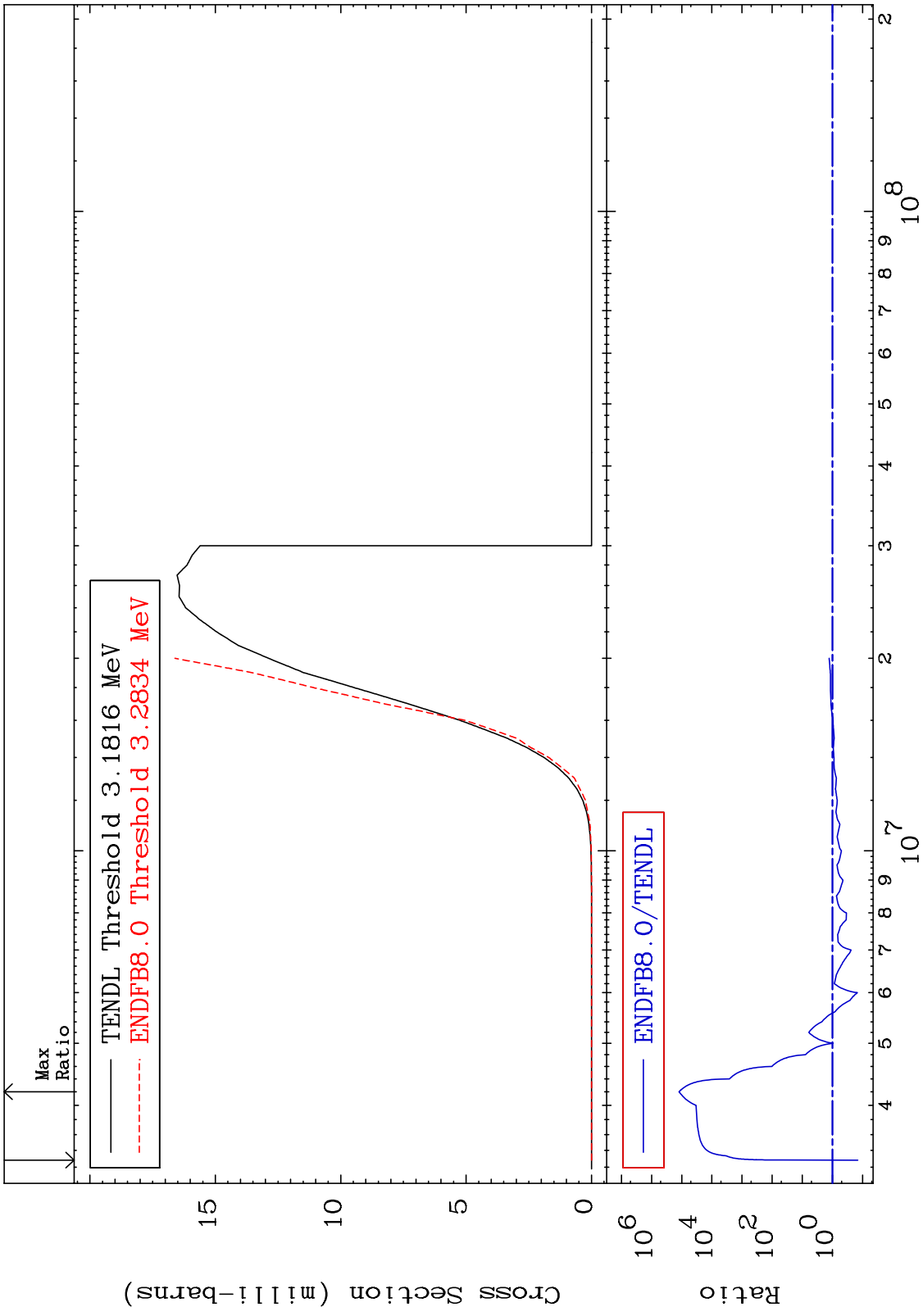
62-Sm-154

Cross Section

-99.75 To 9999. %



MAT 6255 (n,p) Cross Section 62-Sm-154 -85.54 To 9999. %



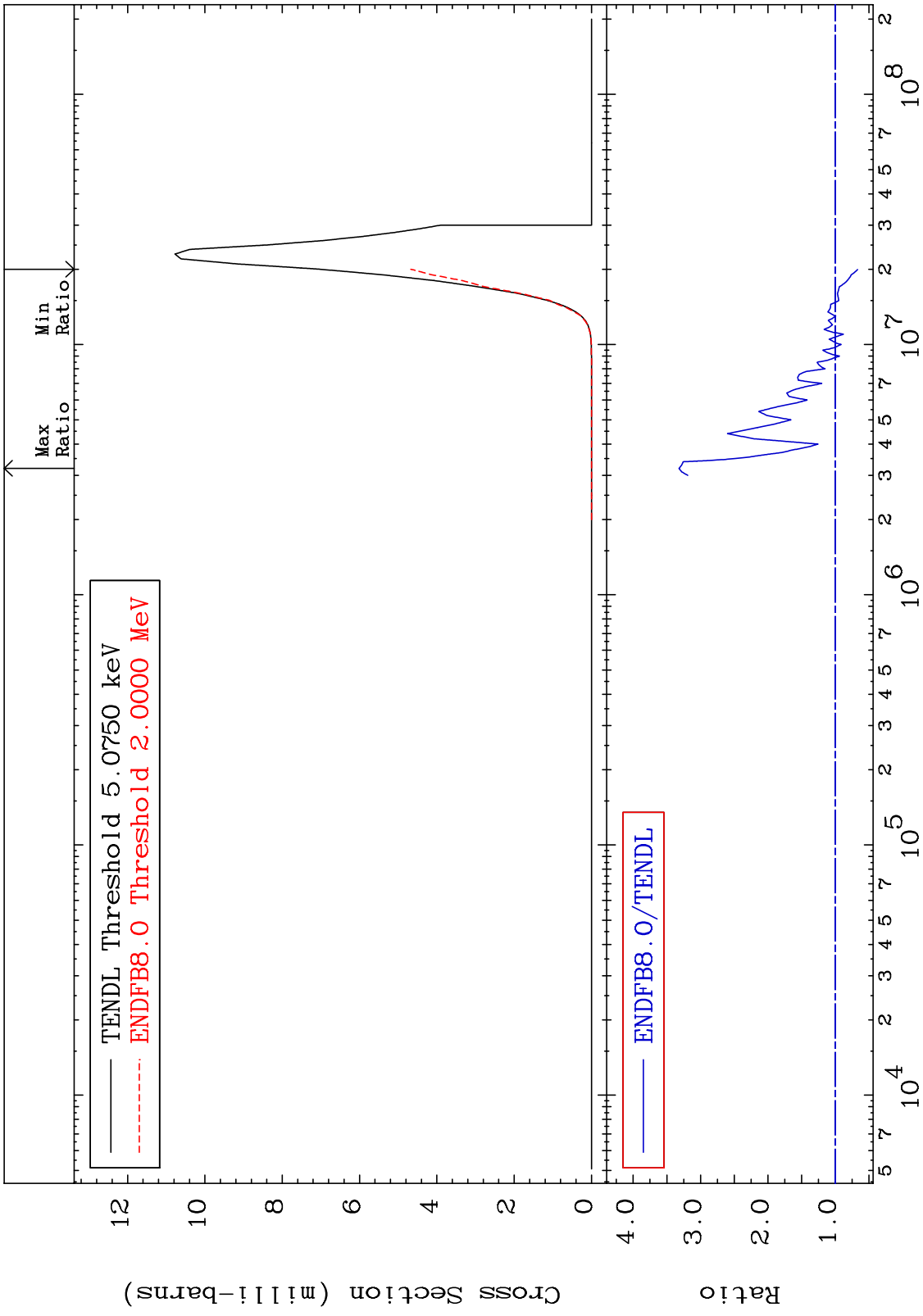
MAT 6255

(n, α)

62-Sm-154

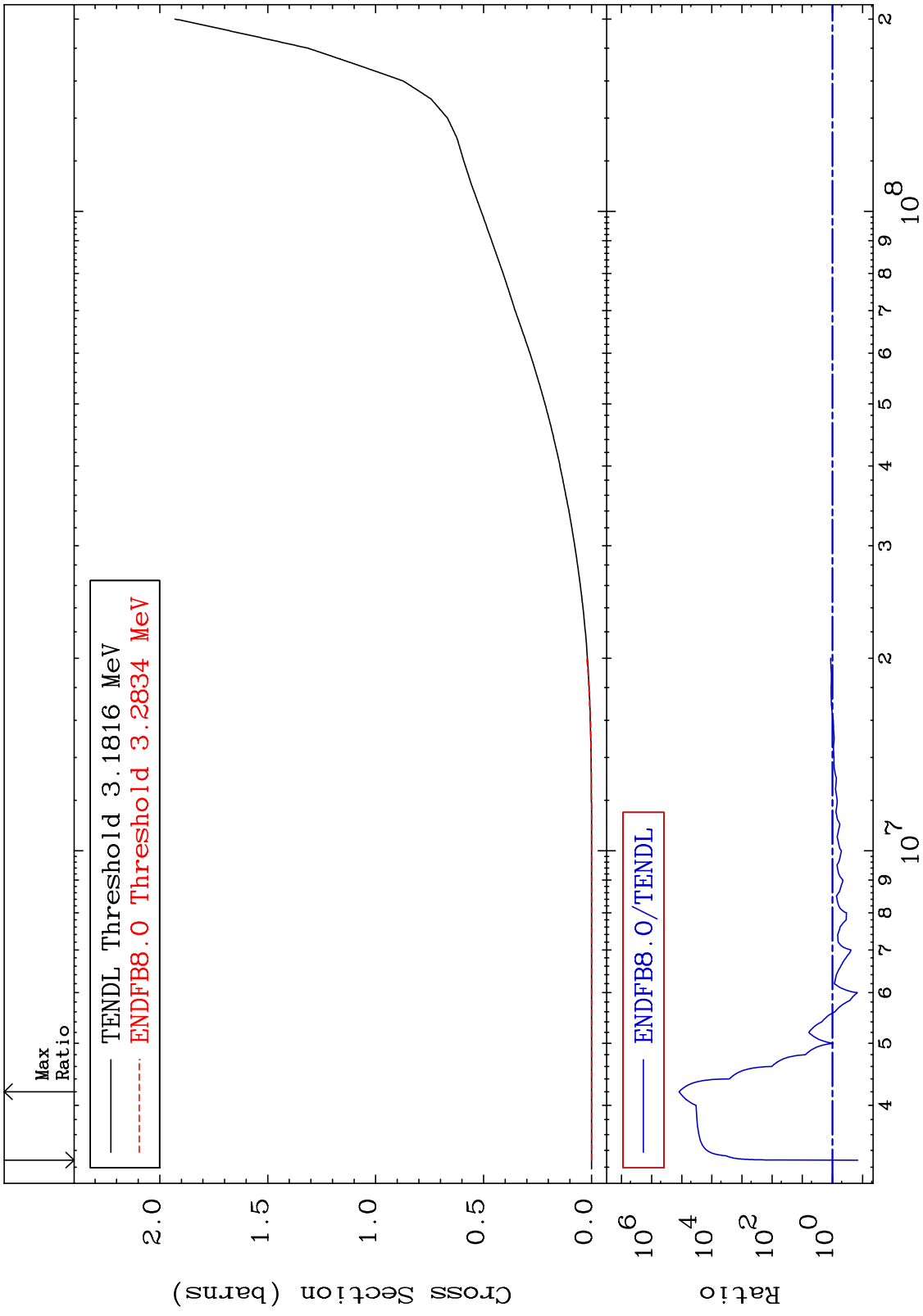
Cross Section

-33.43 To 231.9 %



62-Sm-154

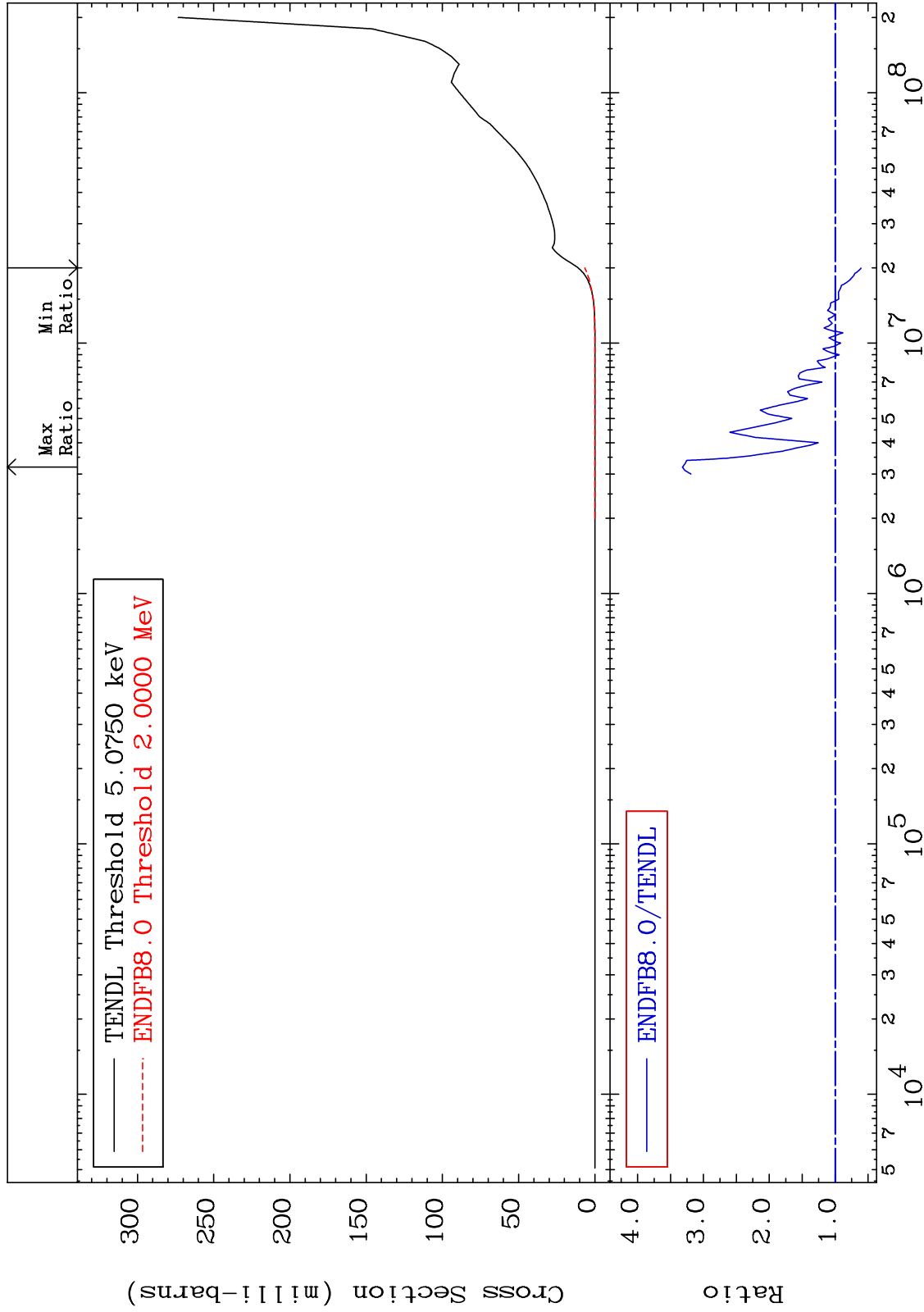
Incident Energy (eV)



MAT 6255

He-4 Production
Cross Section

62-Sm-154
-39.73 To 231.9 %

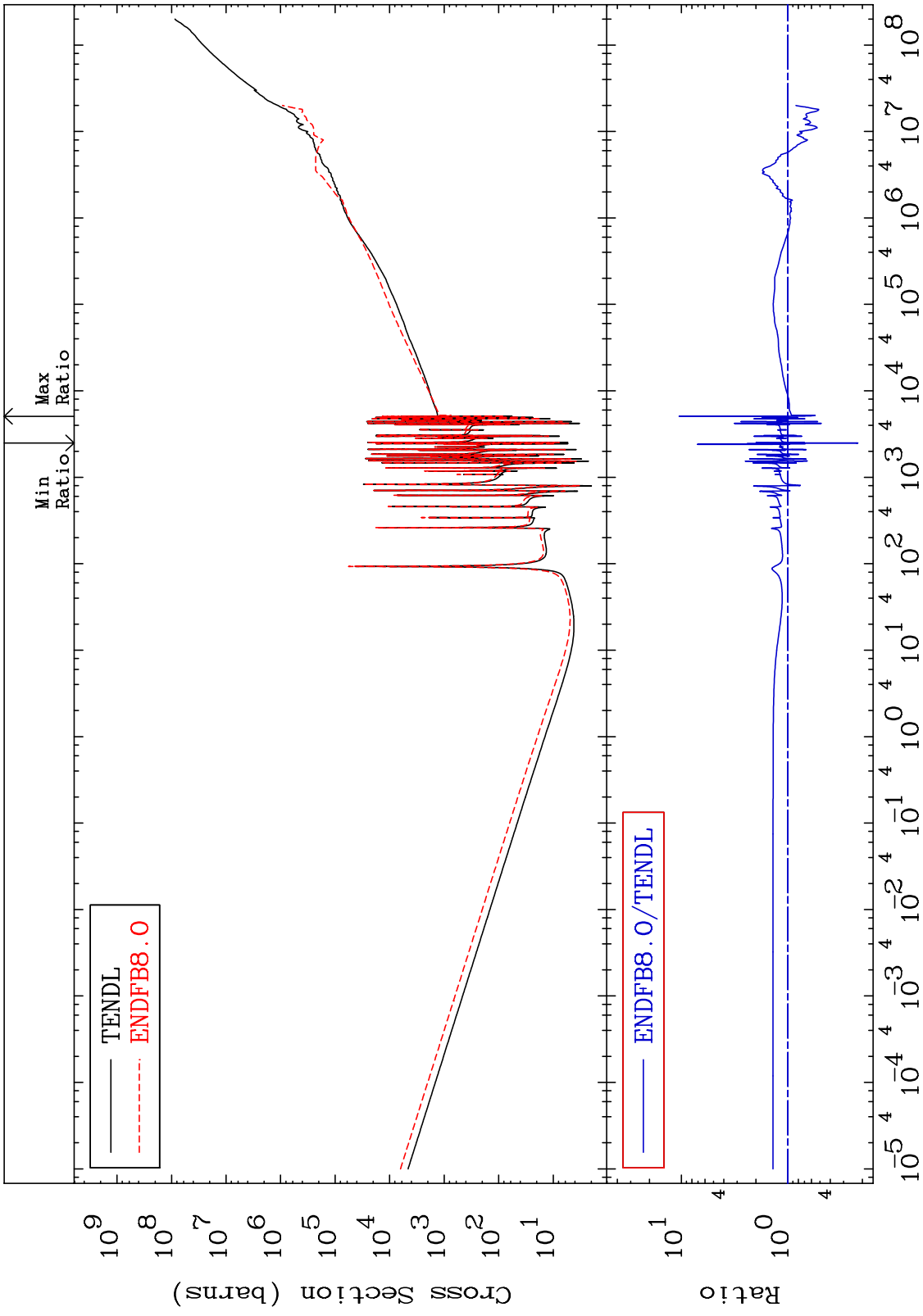


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Incident Energy (eV)

62-Sm-154

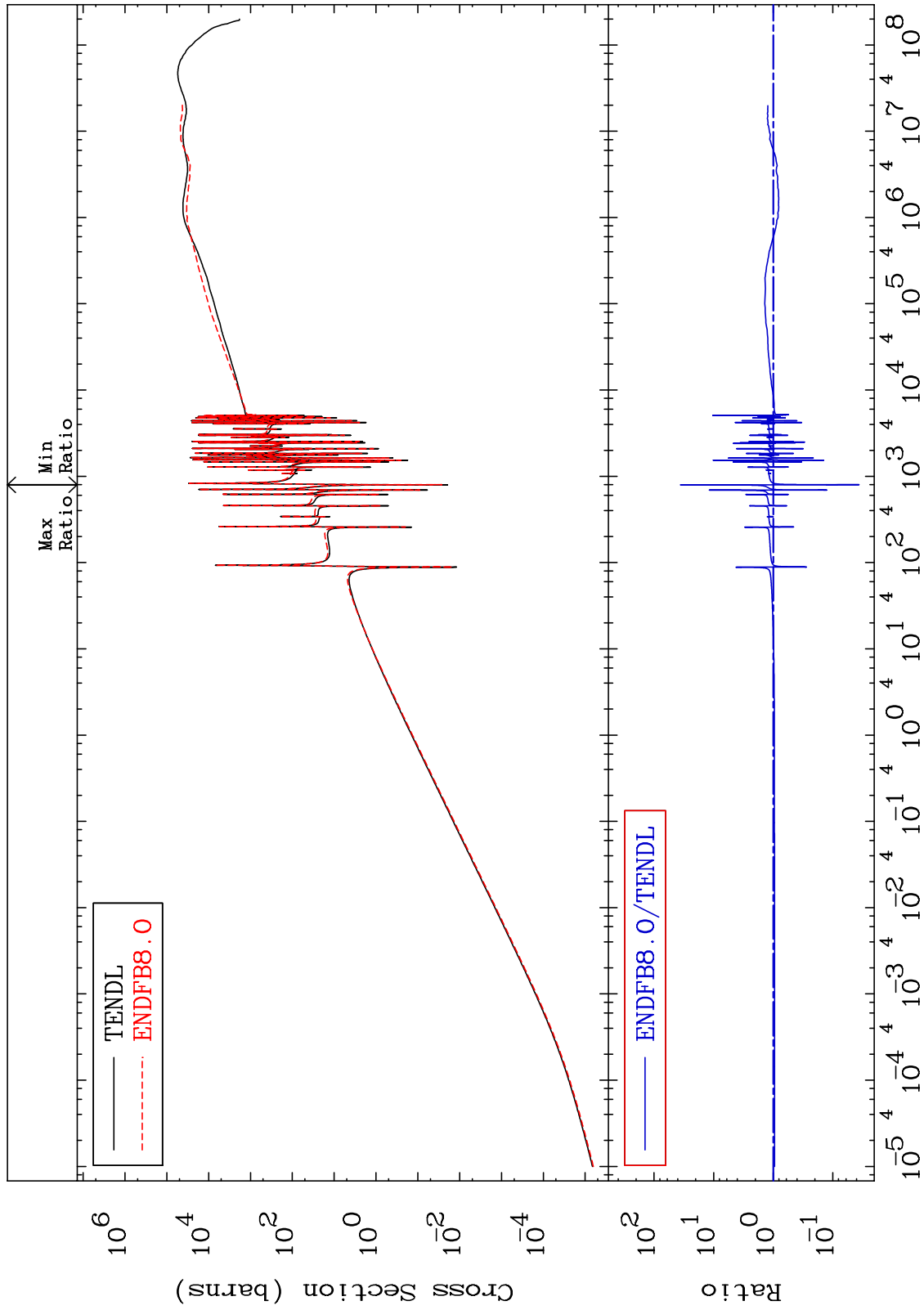
MAT 6255 Kerma total (eV-barns)
 Cross Section 62-Sm-154
 -77.94 To 953.3 %



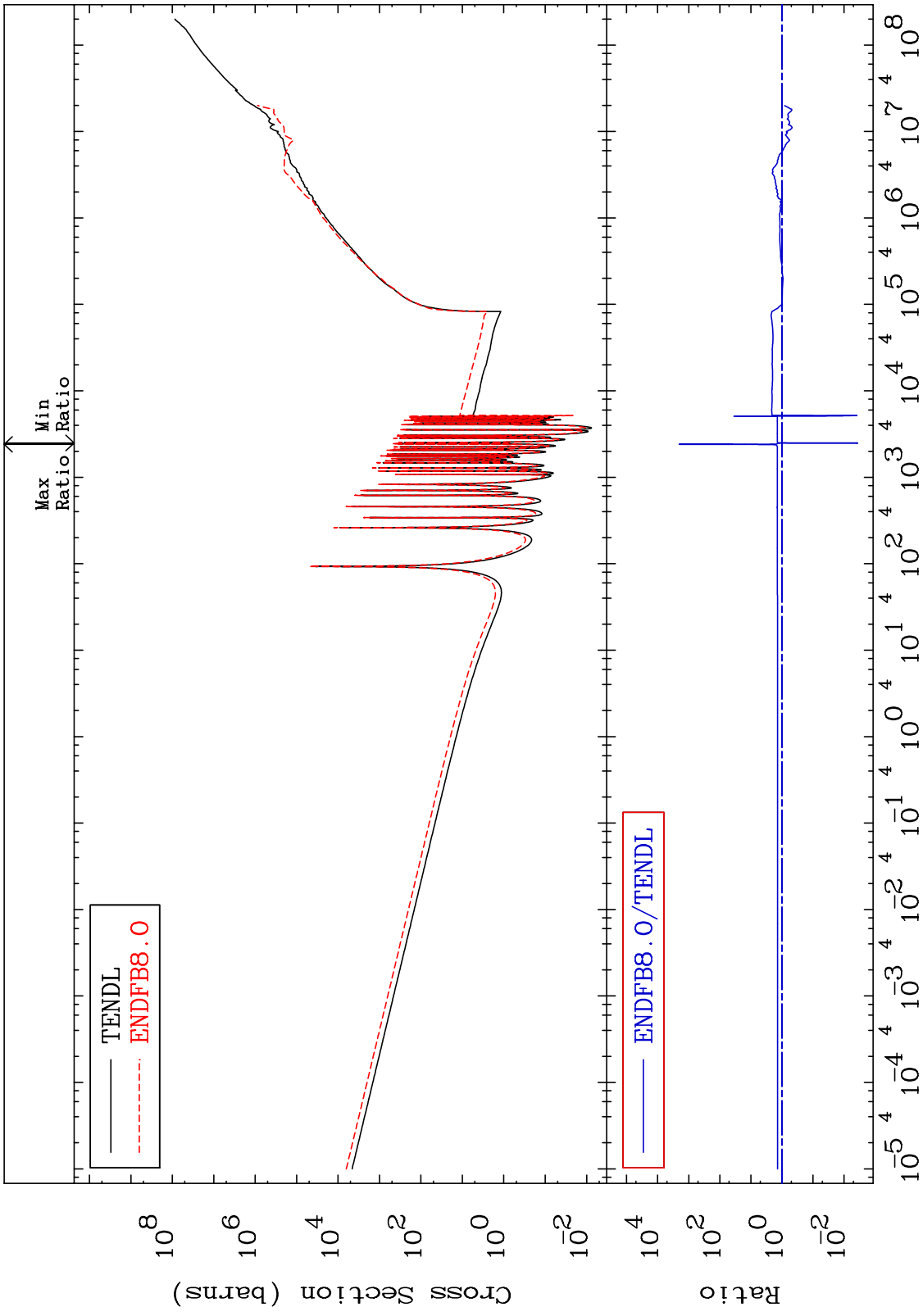
MAT 6255

Kerma elastic
Cross Section

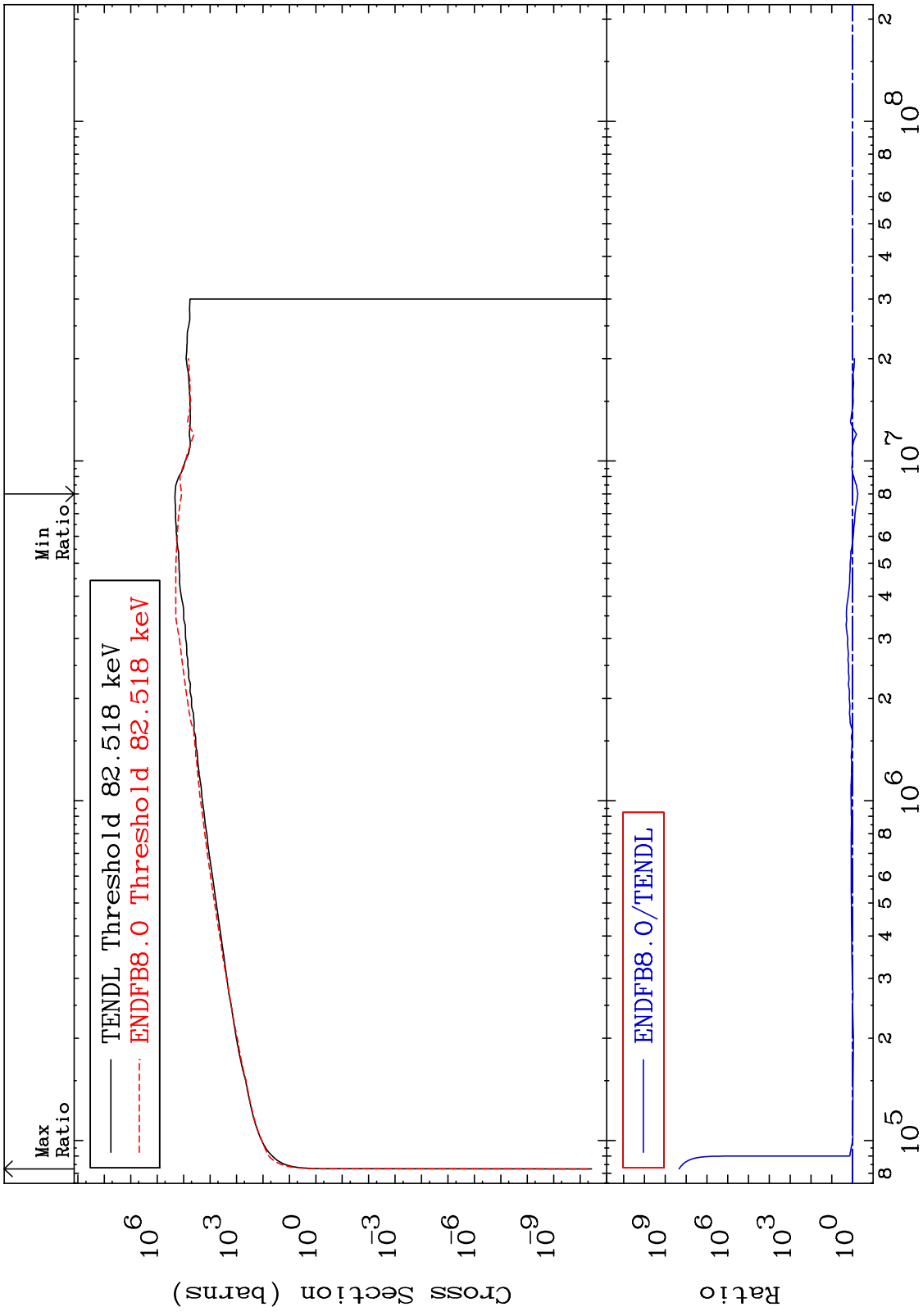
62-Sm-154
-96.37 To 3480. %



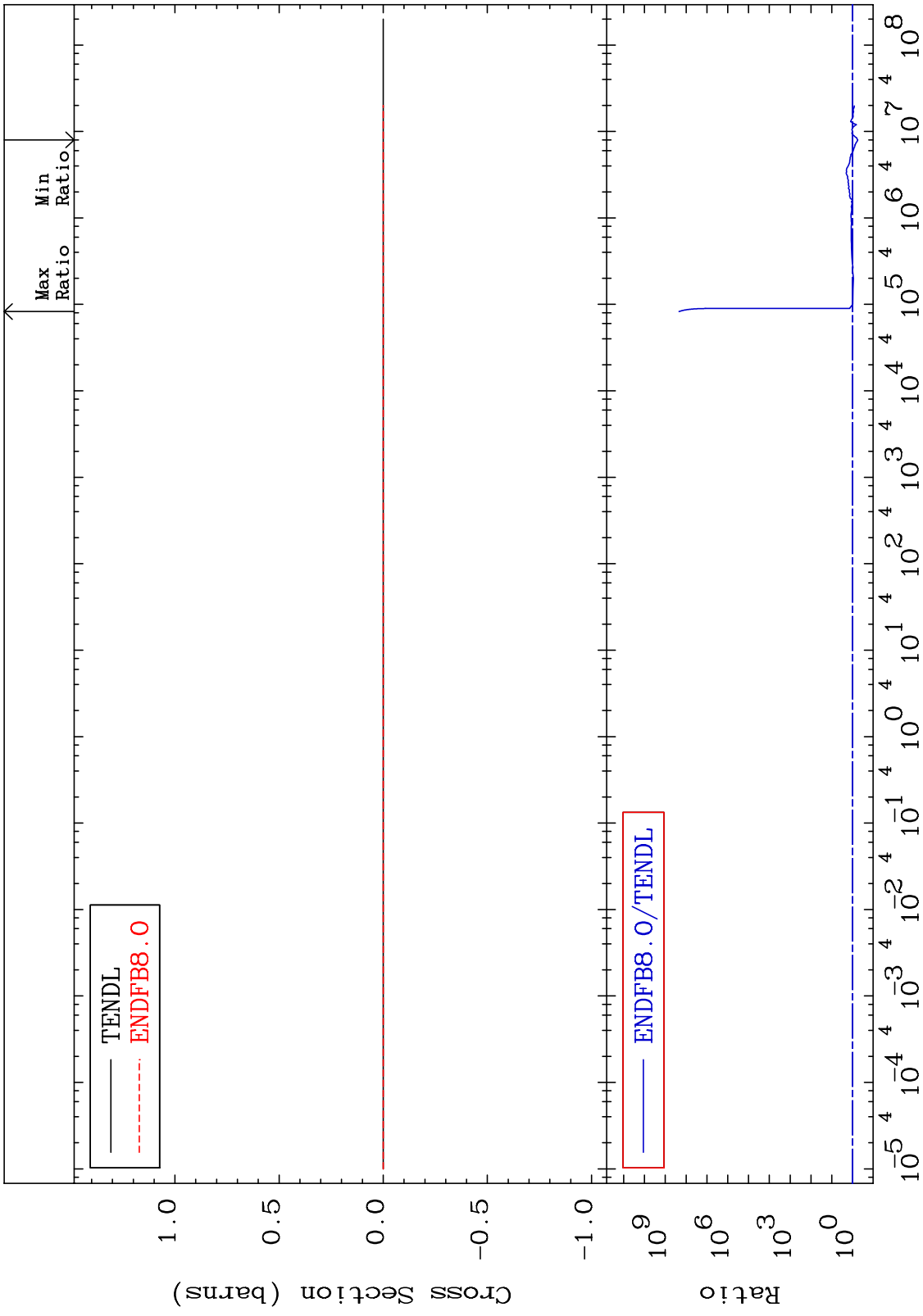
MAT 6255 Kerma non-elastic (all but mt.2) Cross Section 62-Sm-154
 -99.64 To 9999. %



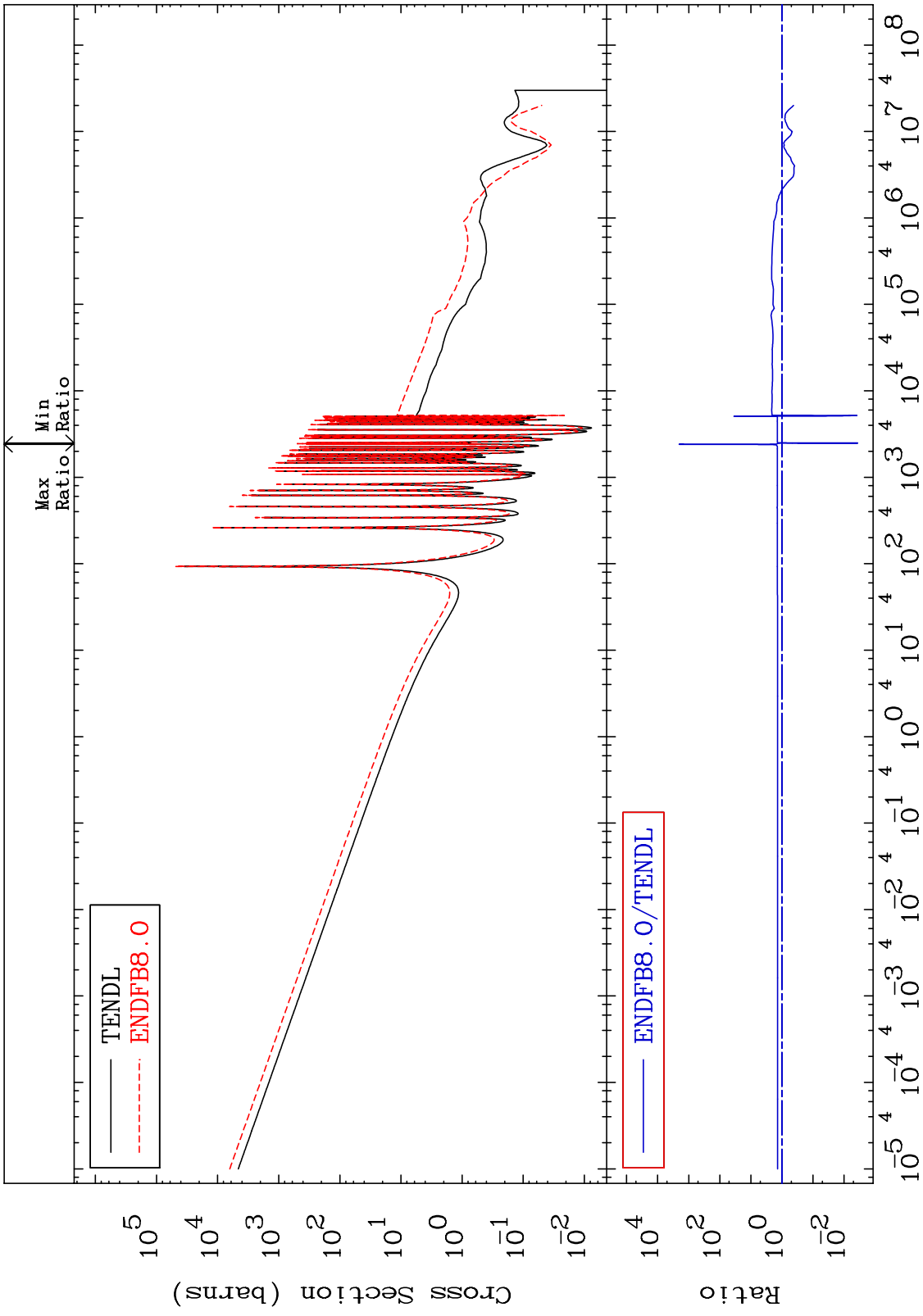
MAT 6255 Kerma inelastic (mt51-91) 62-Sm-154
 -43.81 To 9999. %



MAT 6255 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-154
 Cross Section -43.81 To 9999. %



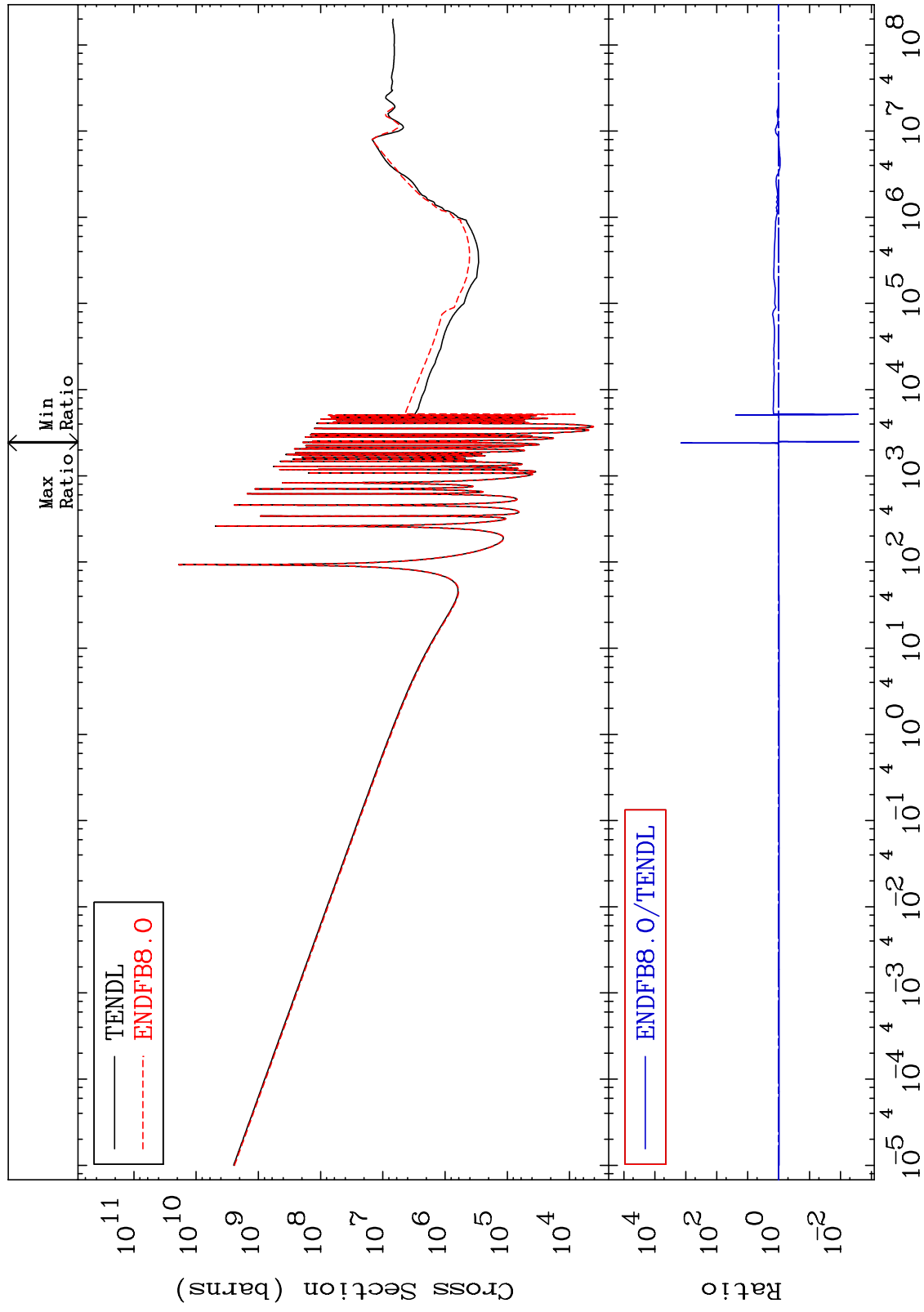
MAT 6255 Kerma capture (mt102) 62-Sm-154
 Cross Section -99.64 To 9999. %



MAT 6255

Total photon (eV-barns)
Cross Section

62-Sm-154
-99.75 To 9999. %

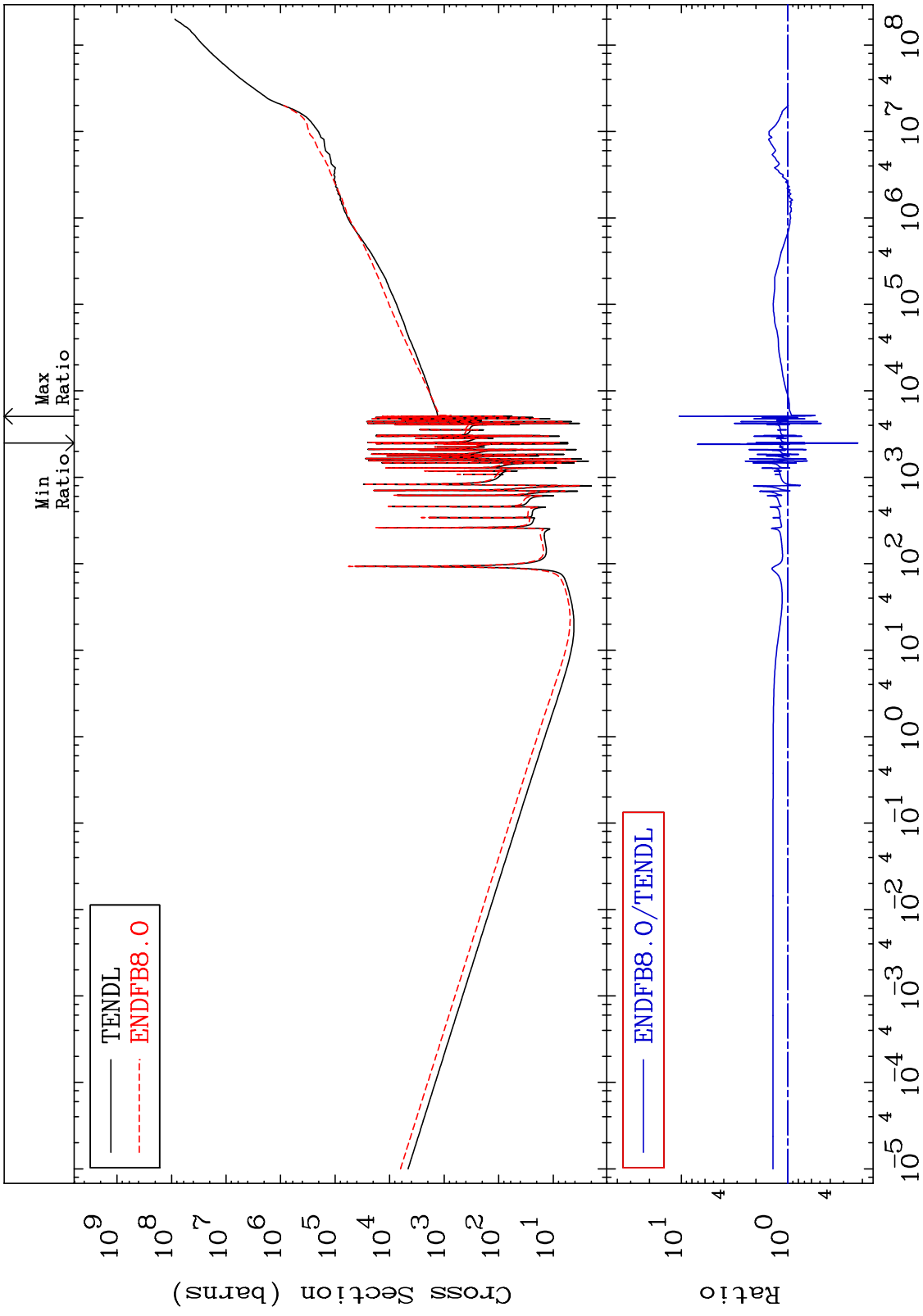


47

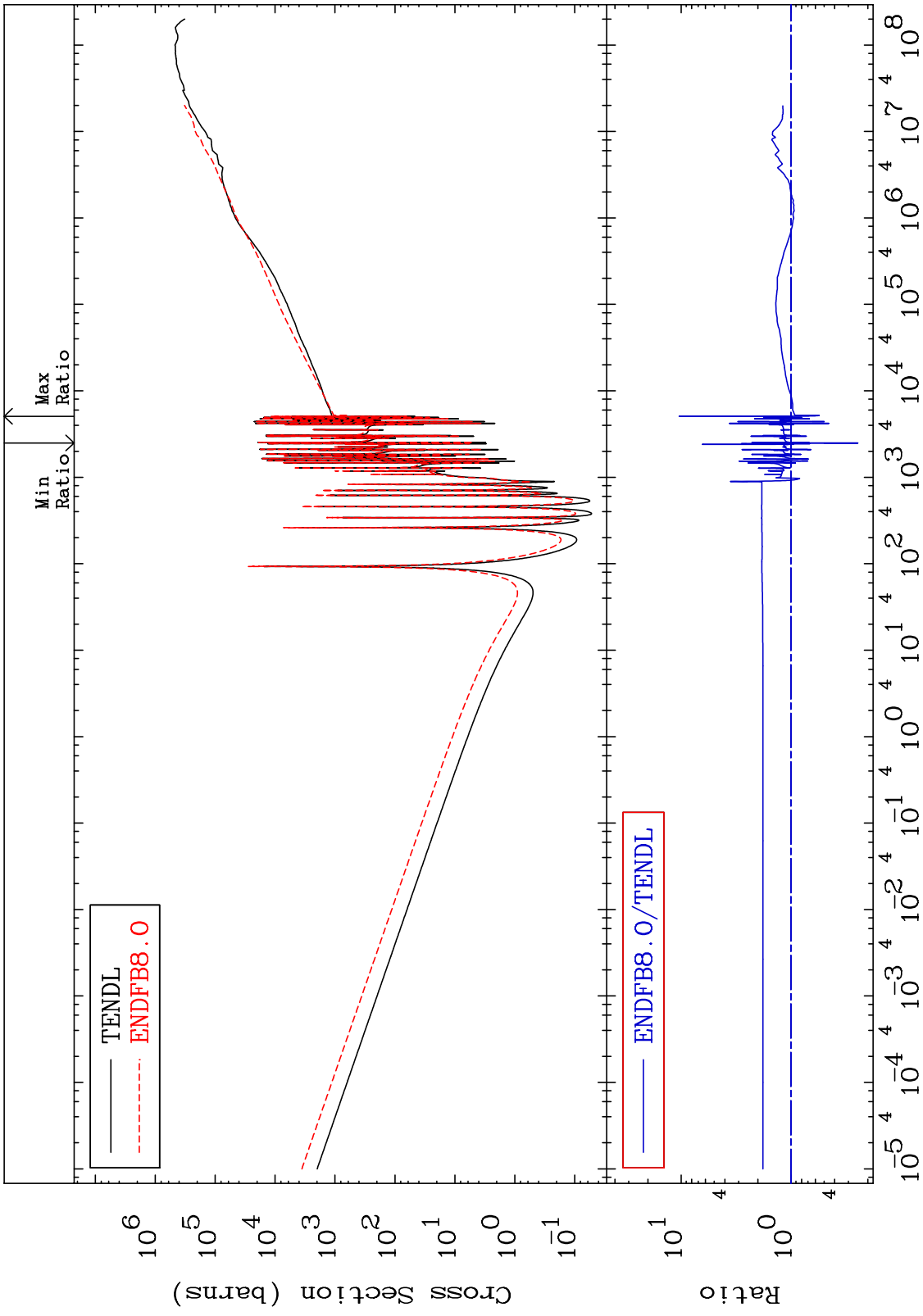
Incident Energy (eV)

62-Sm-154

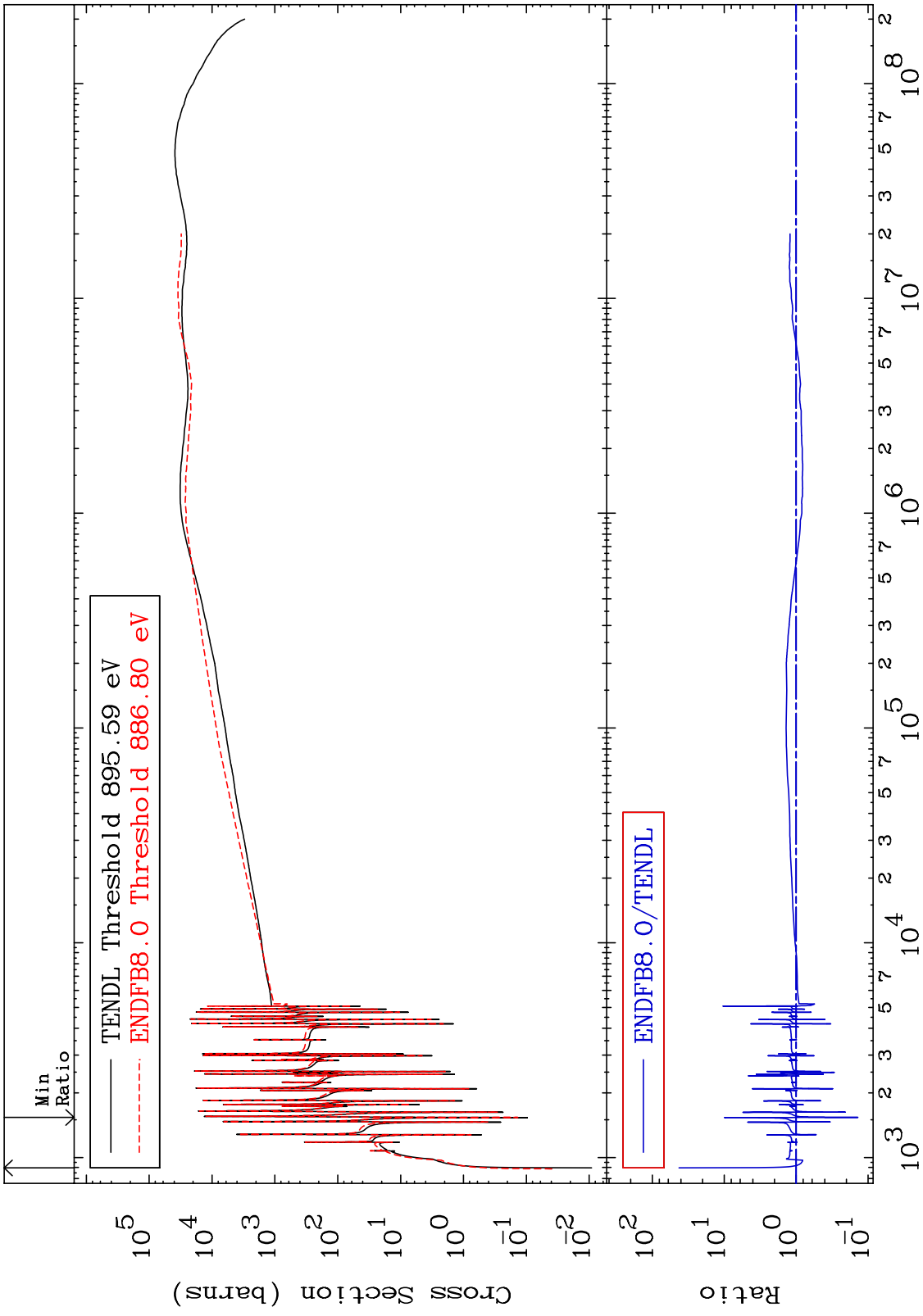
MAT 6255 Total kinematic kerma (high limit) 62-Sm-154
 Cross Section -77.94 To 953.3 %

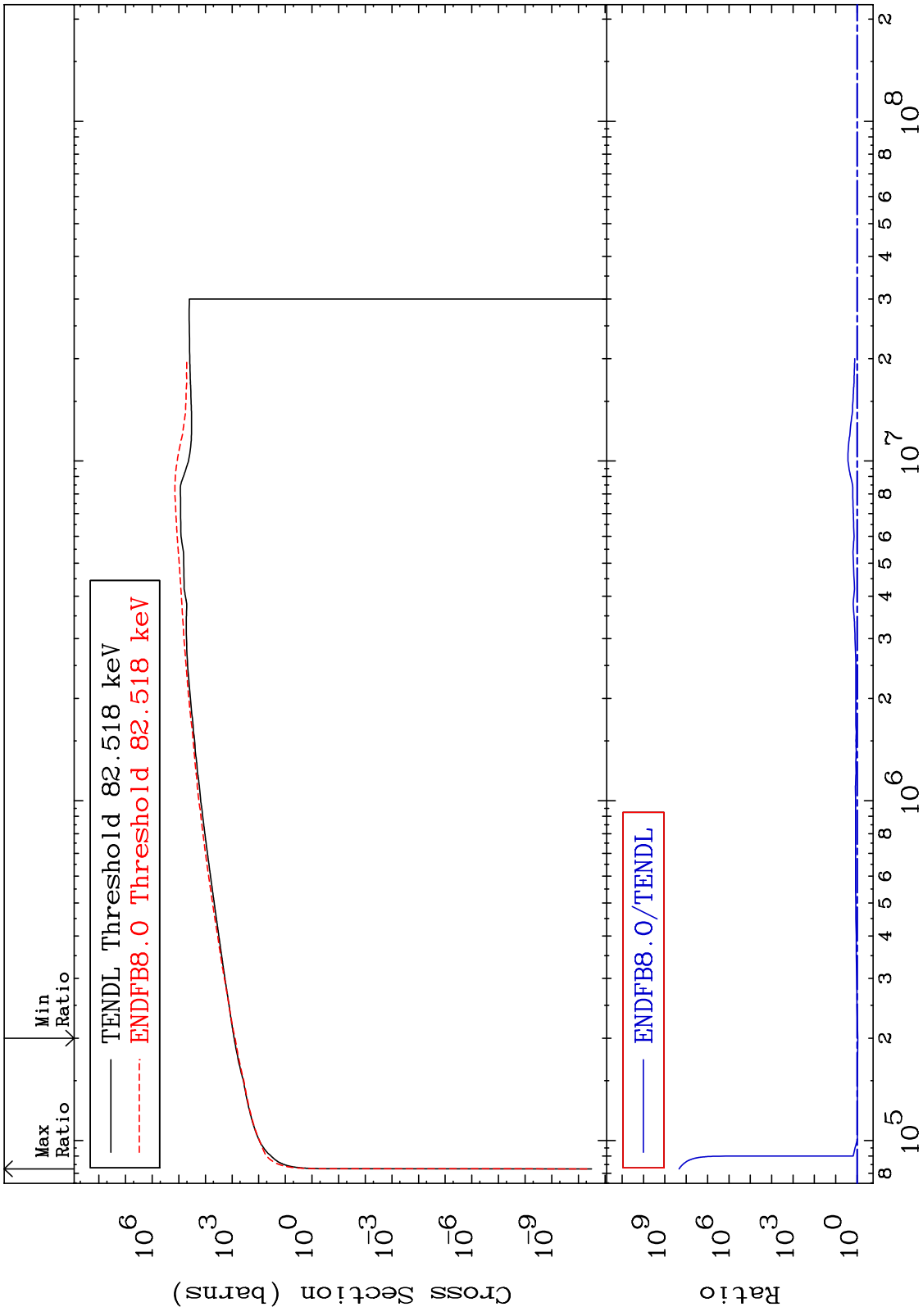


MAT 6255 Dpa total (eV-barns) 62-Sm-154
 Cross Section -75.36 To 944.0 %



MAT 6255 Dpa elastic (mt2) 62-Sm-154
 Cross Section -86.11 To 4151. %





MAT 6255 Dpa disappearance (mt102 -120) 62-Sm-154
 Cross Section -99.53 To 9999. %

