

Program Complot
(Version 2018-1)

by

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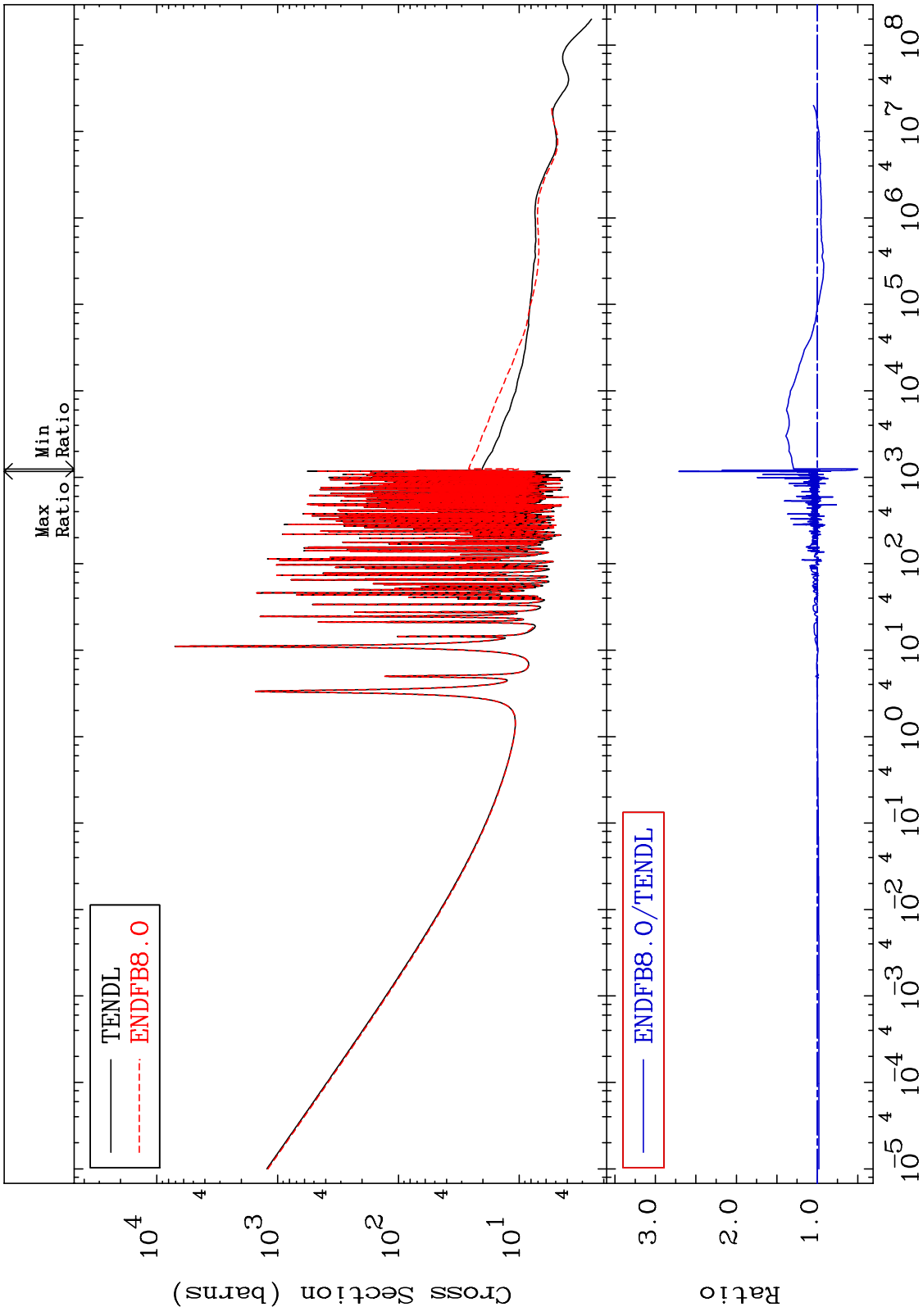
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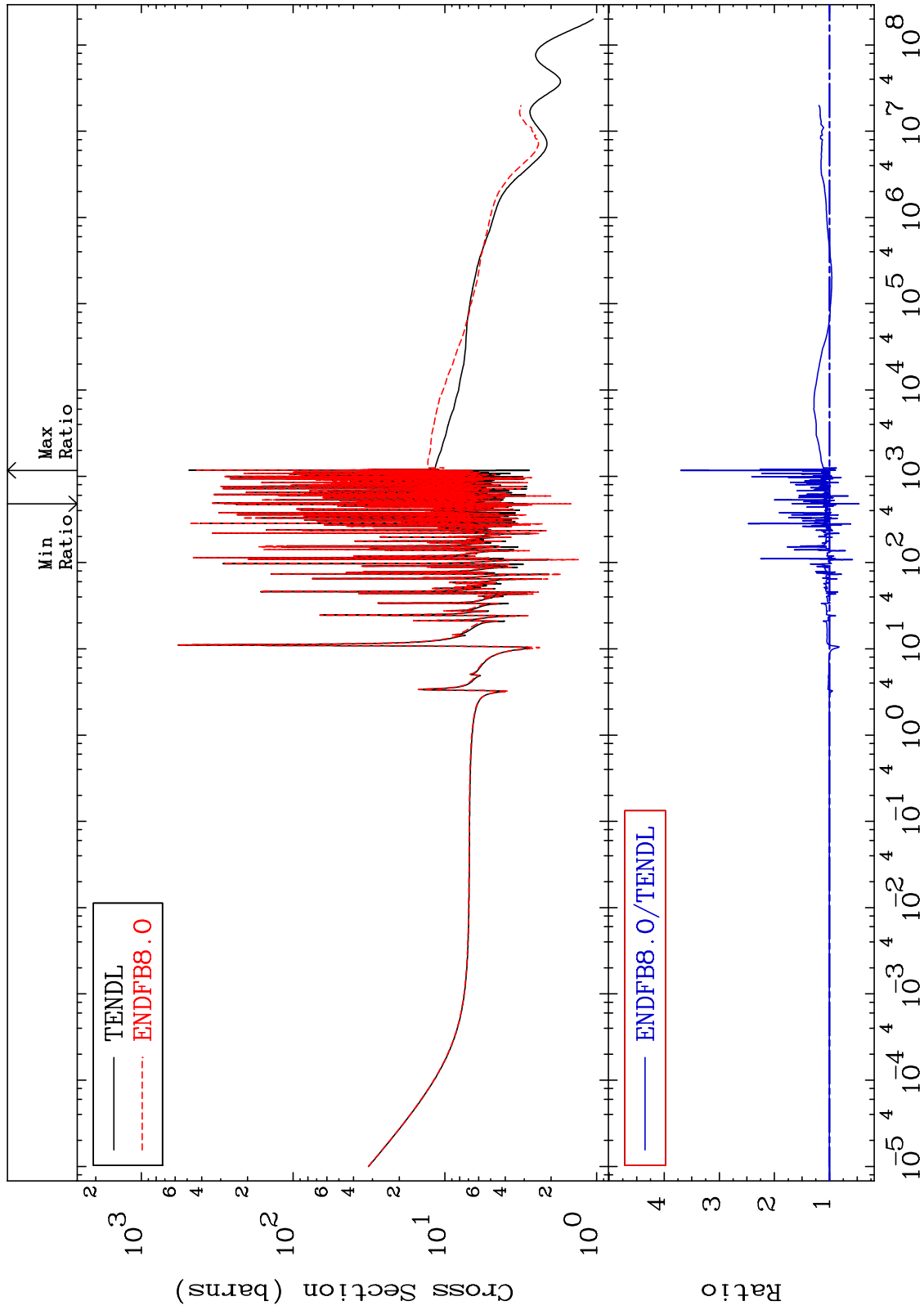
Press Mouse Button to Start

MAT 6525 65-Tb-159
Total Cross Section -50.06 To 170.8 %



65-Tb-159
Incident Energy (eV)

MAT 6525 Elastic Cross Section 65-Tb-159 -53.42 To 270.2 %

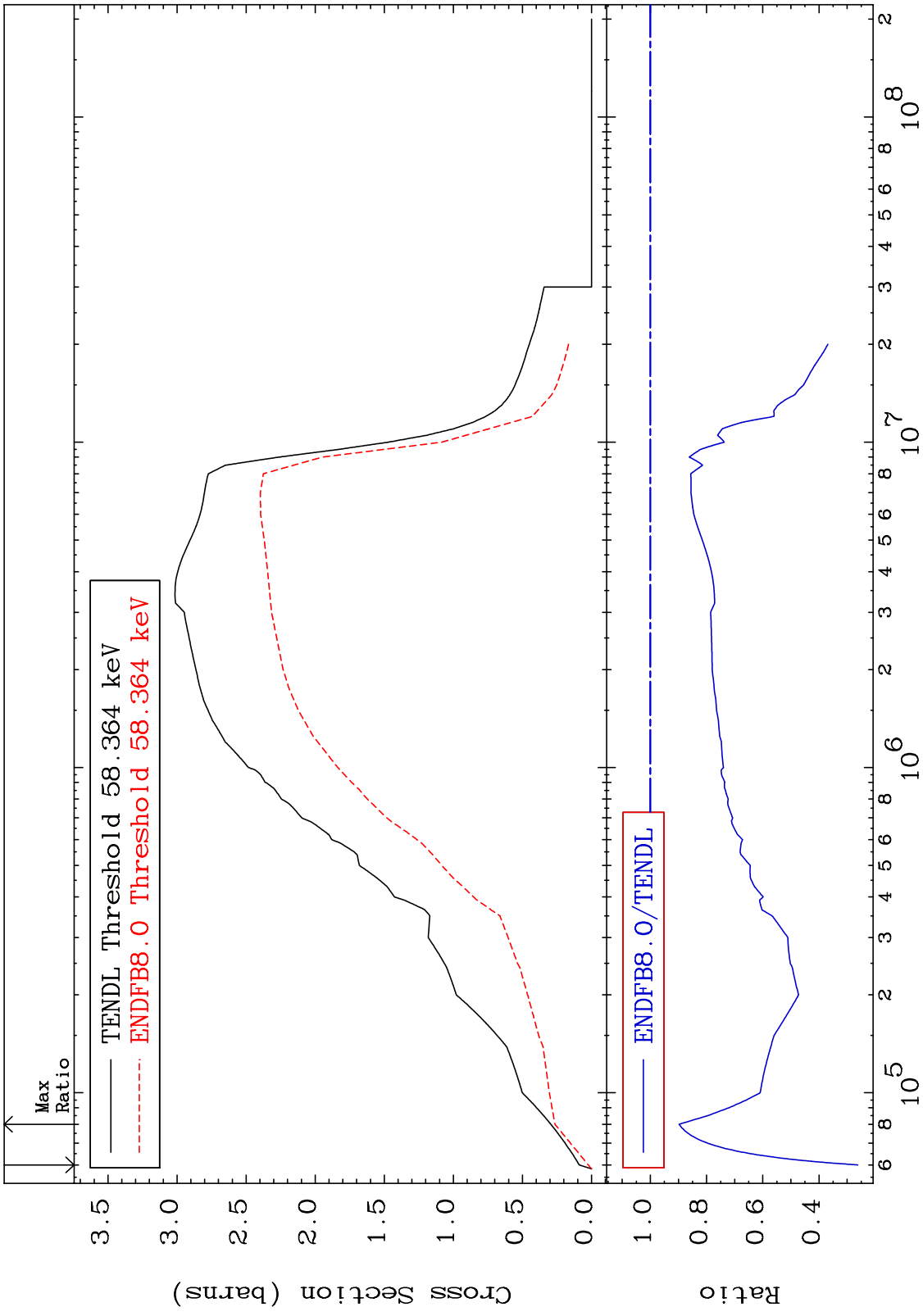


65-Tb-159

Incident Energy (eV)

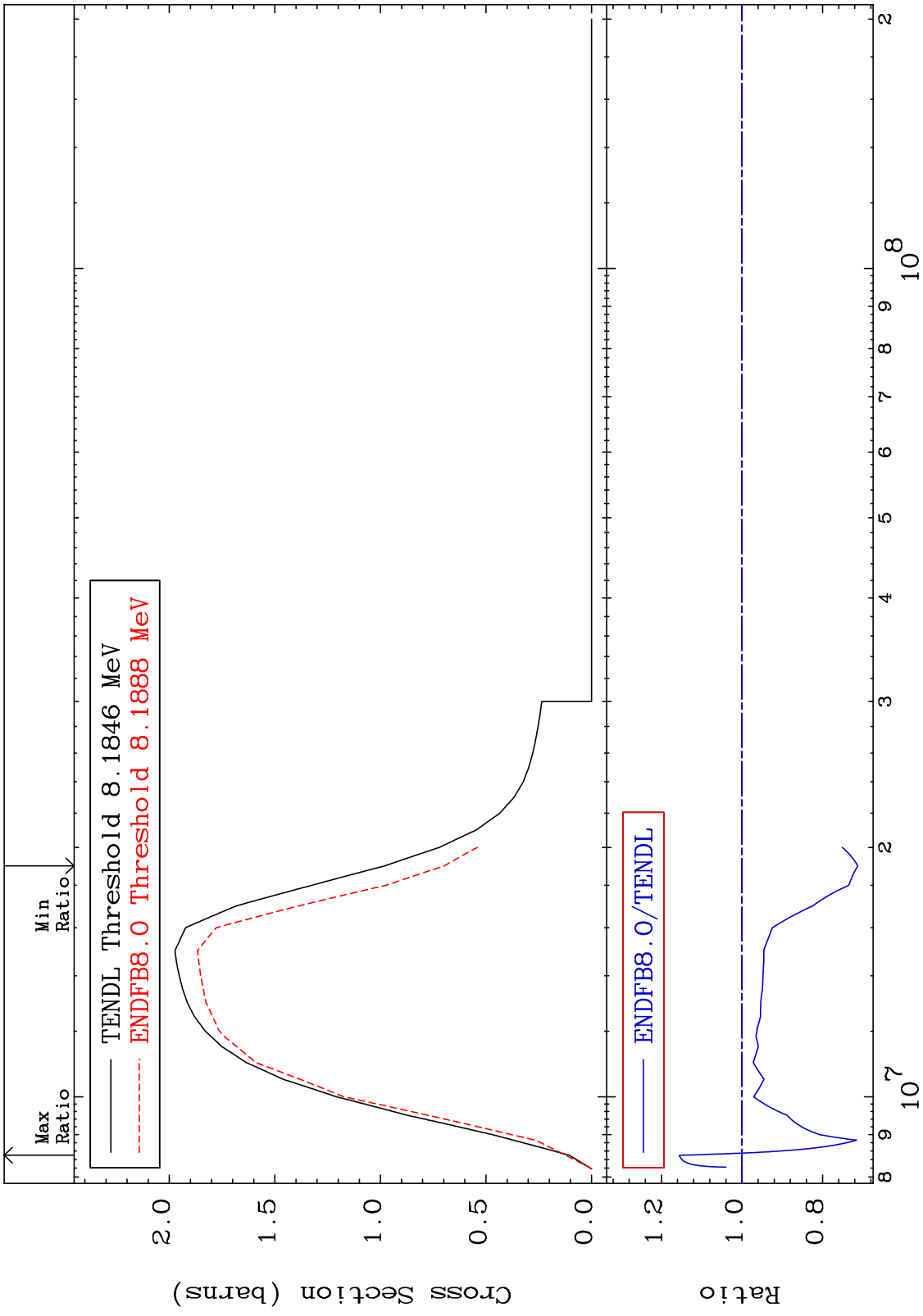
2

MAT 6525 Inelastic Cross Section 65-Tb-159 -73.79 To -10.22%

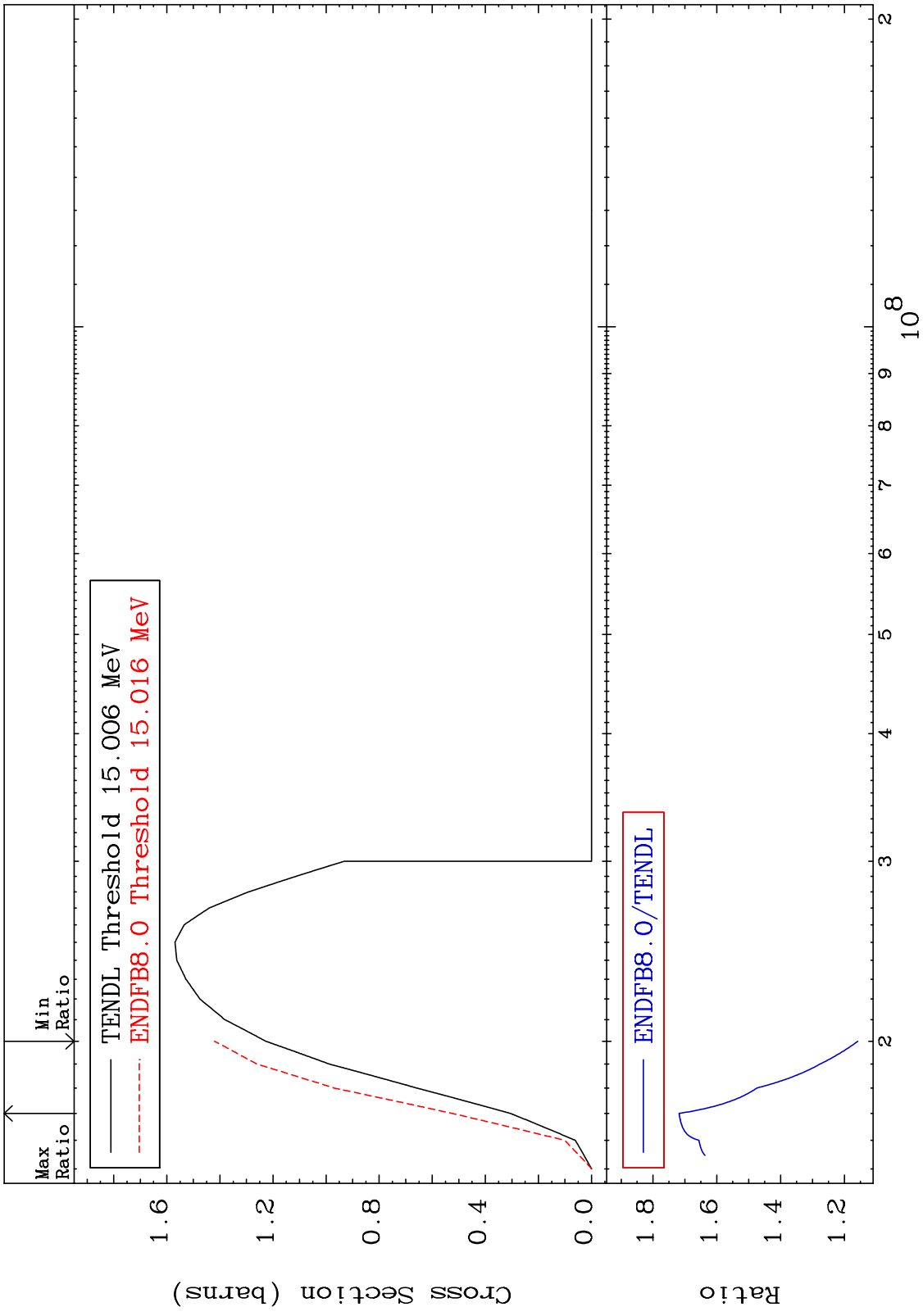


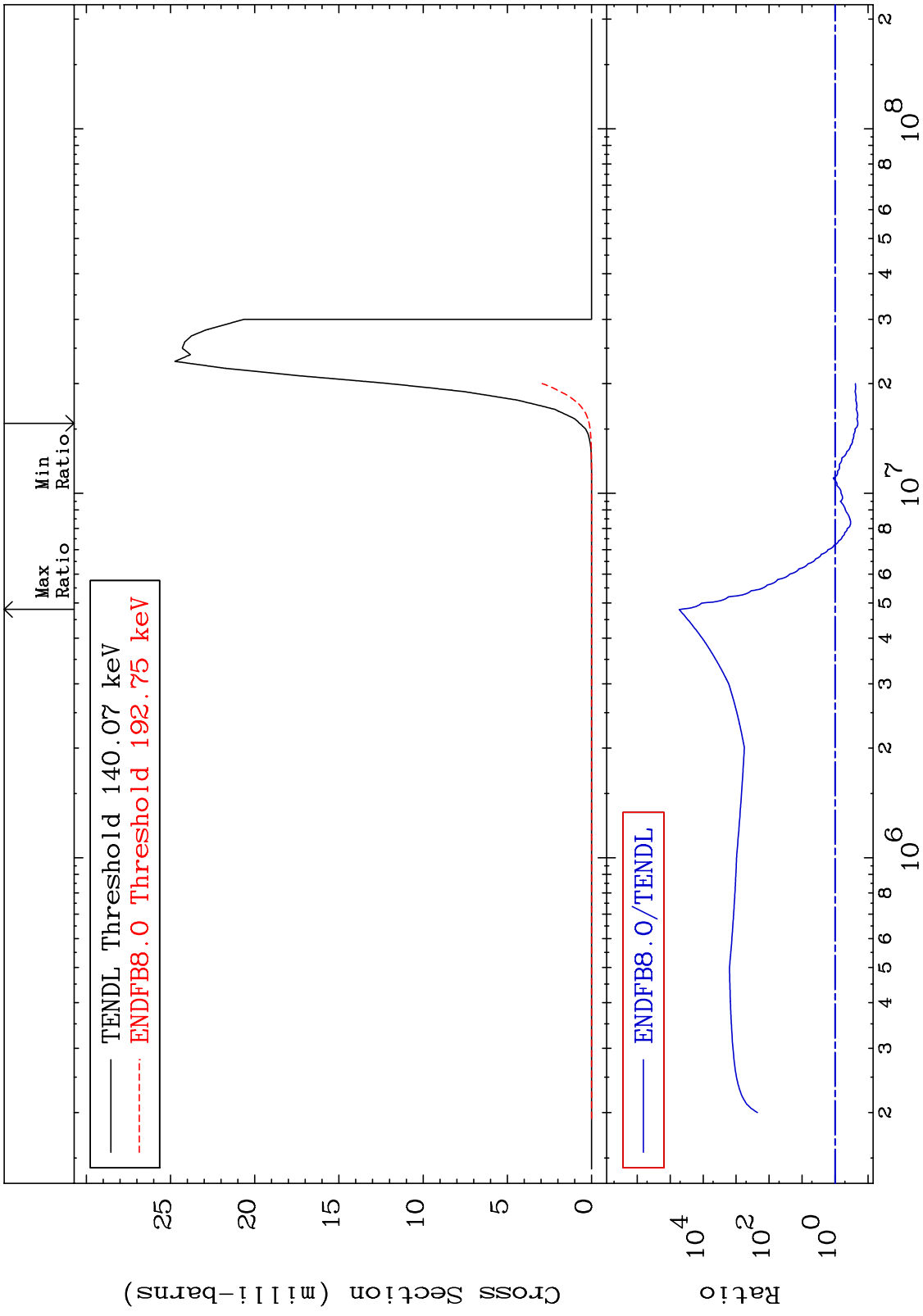
3 65-Tb-159

MAT 6525 (n,2n) Cross Section 65-Tb-159 -28.76 To 15.63 %

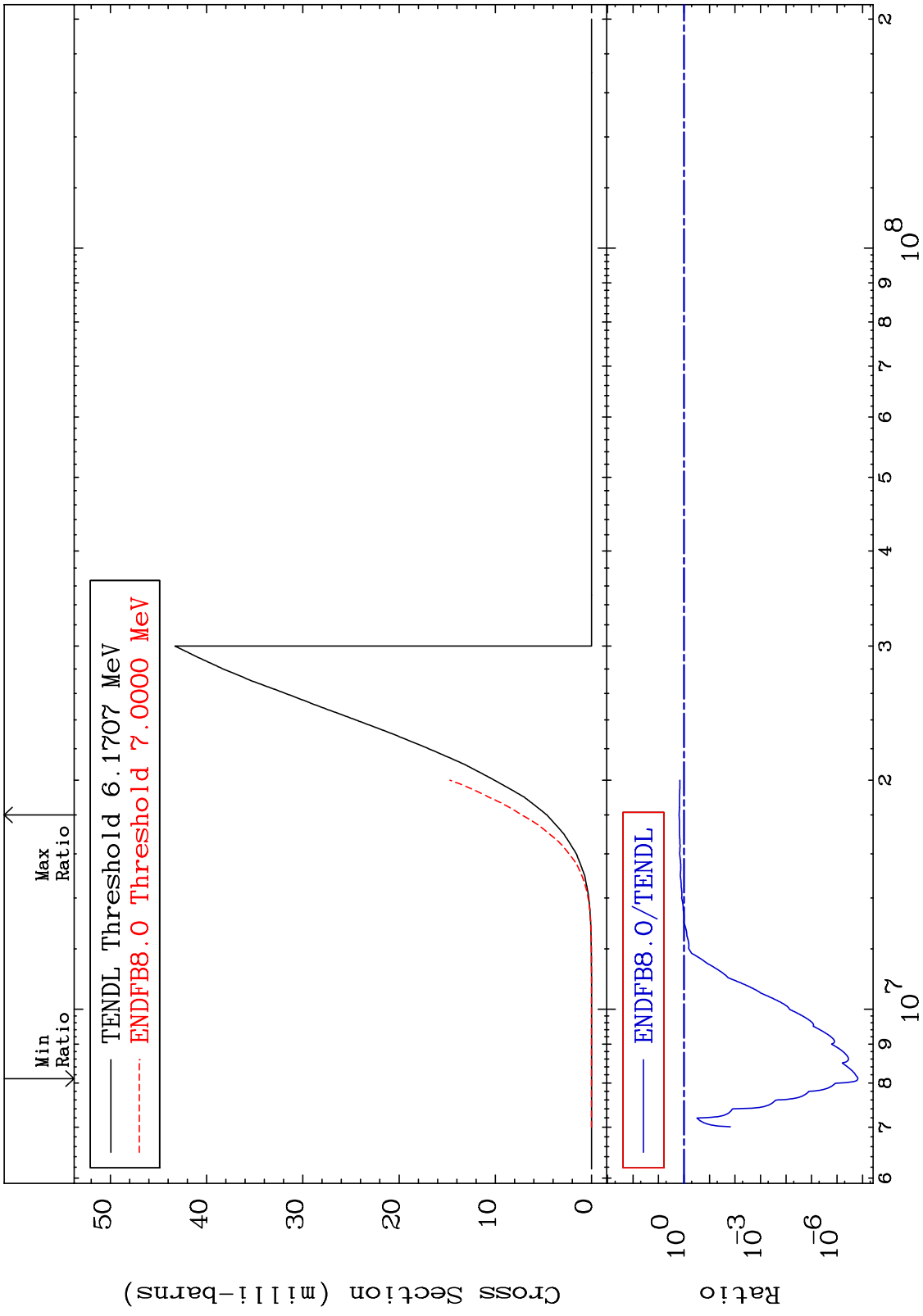


MAT 6525 (n,3n) Cross Section 65-Tb-159 To 71.85 % 15.78

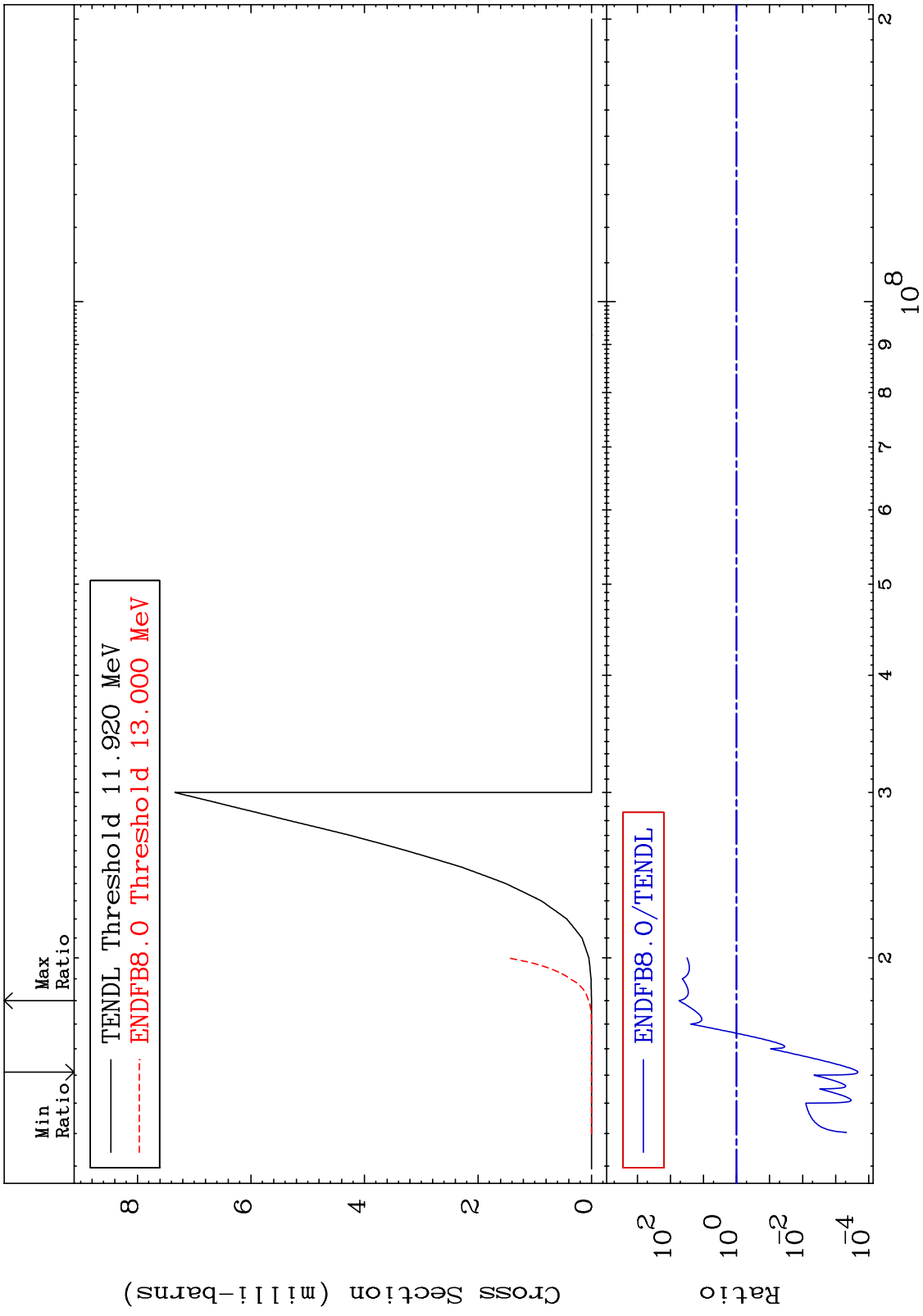


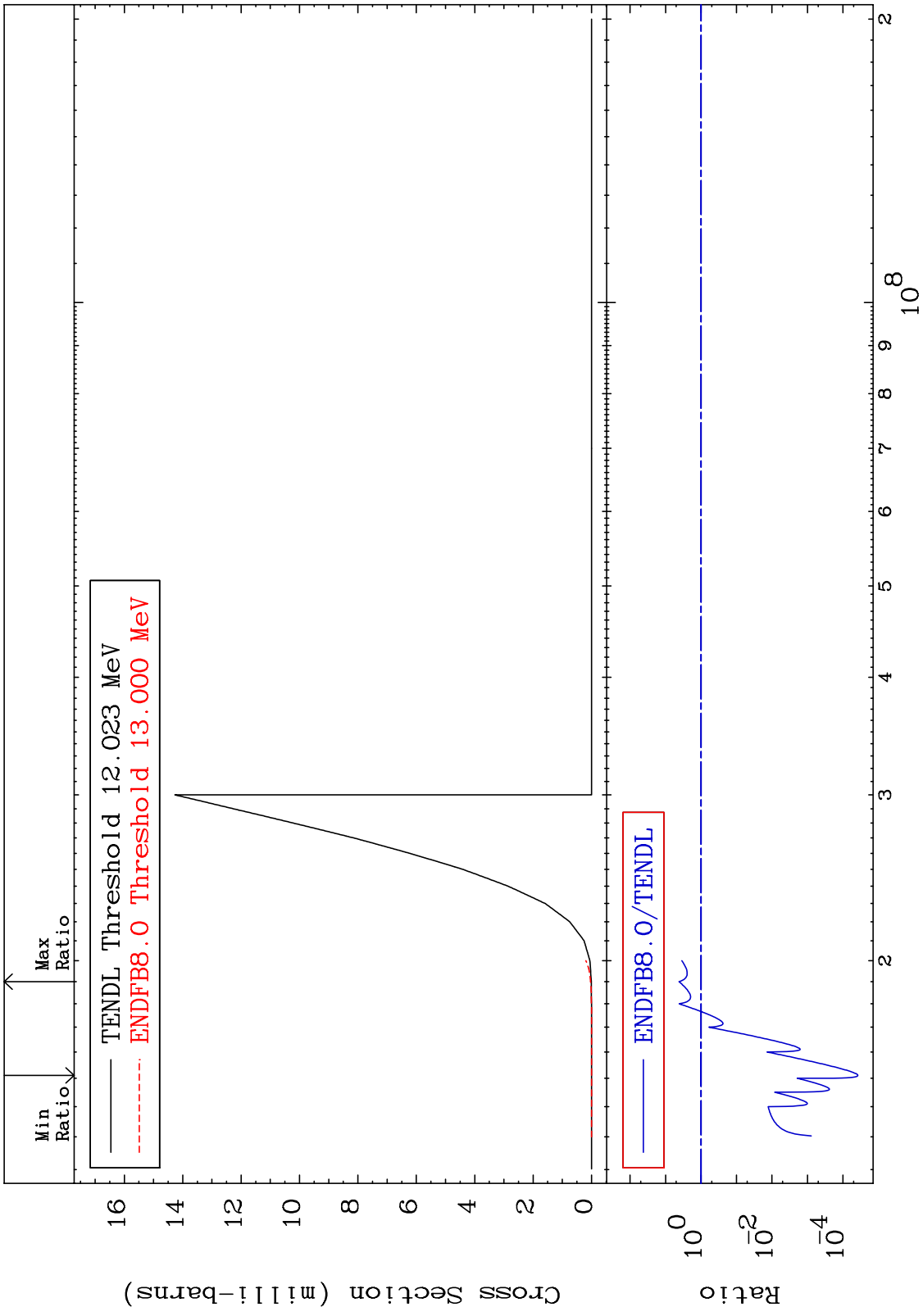


MAT 6525 (n, n') p $^{65}\text{Tb-159}$
 Cross Section -100.0 To 56.61 %

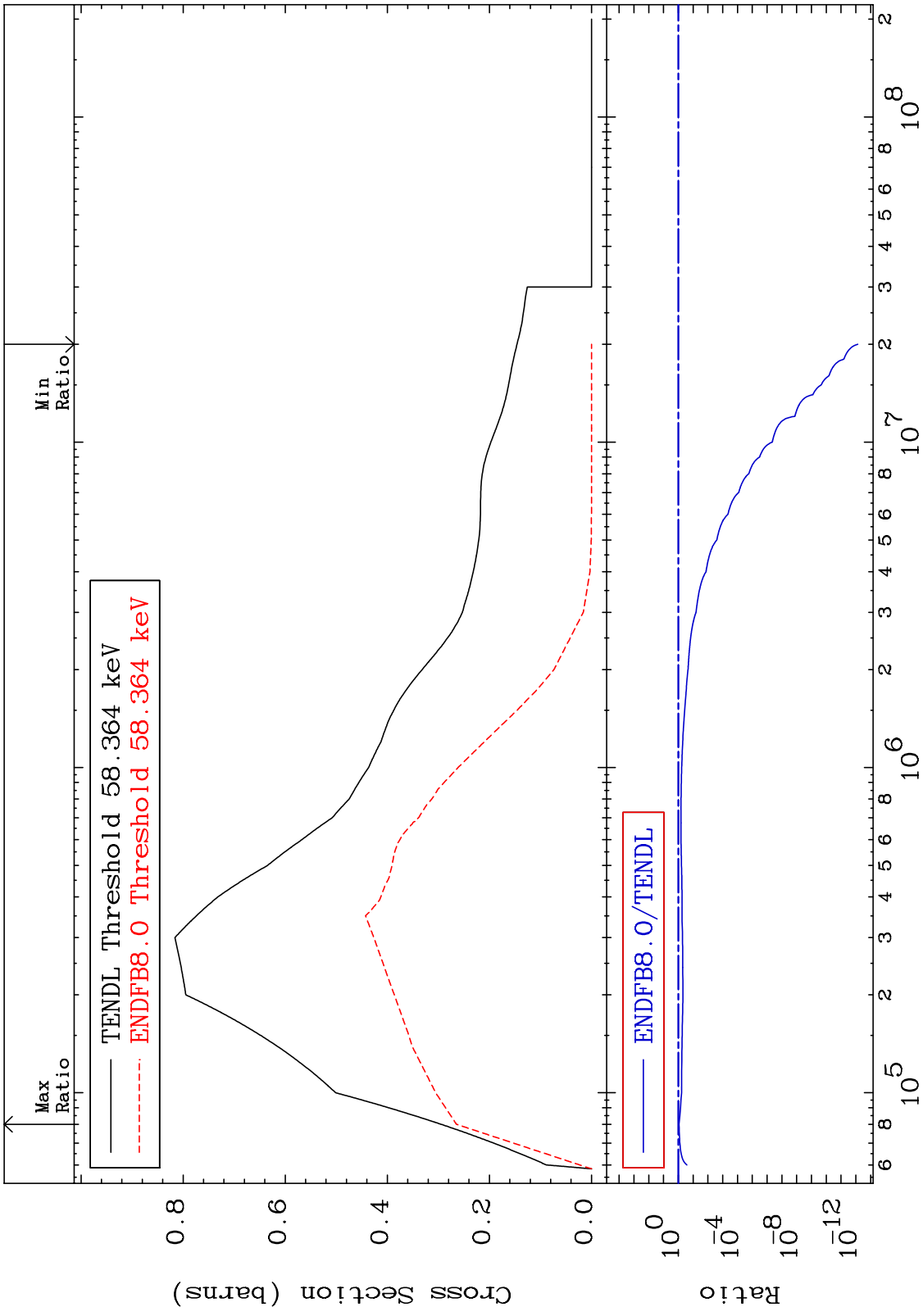


7 6 7 8 9 10⁷ 10⁸ 2
 $^{65}\text{Tb-159}$

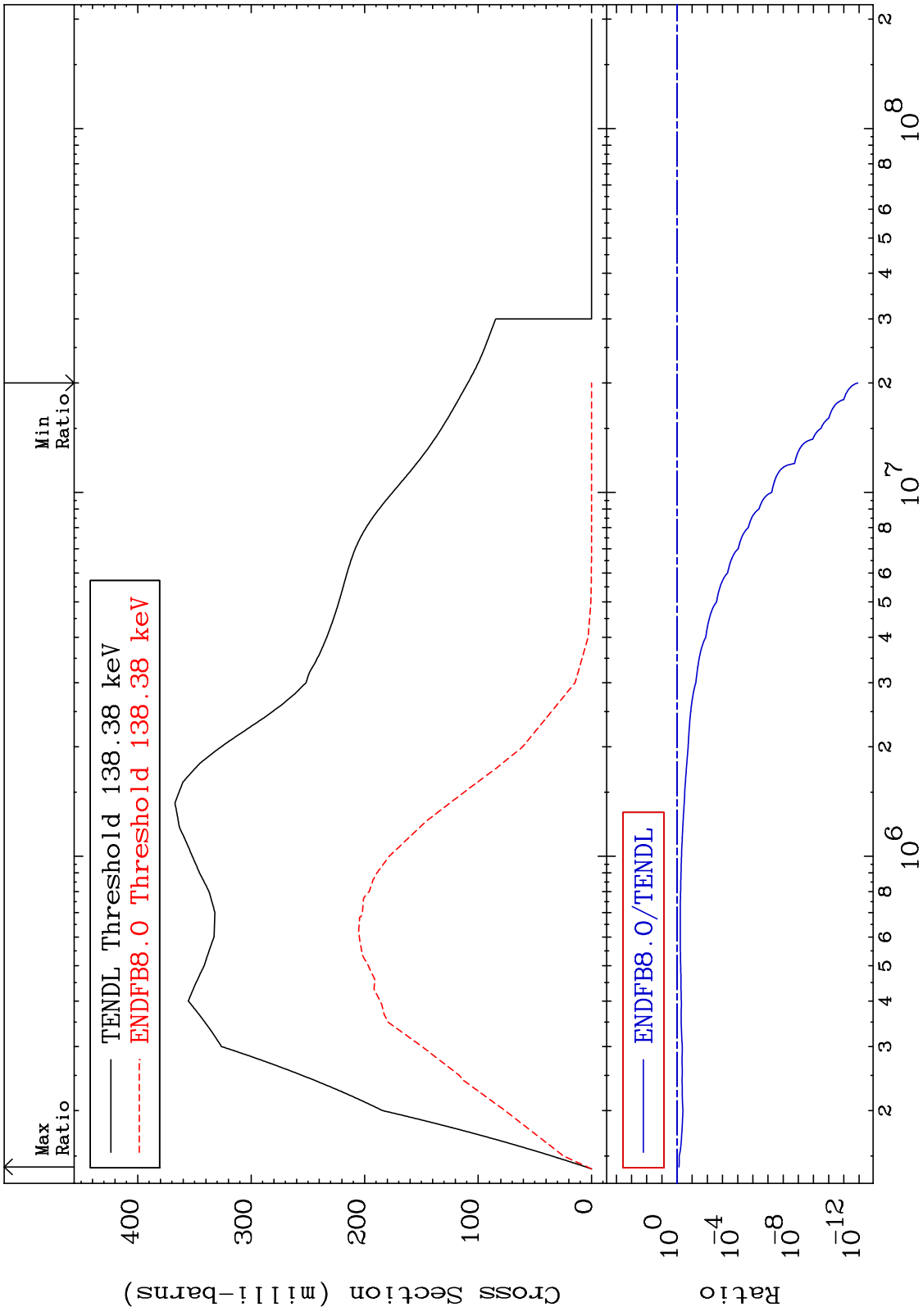




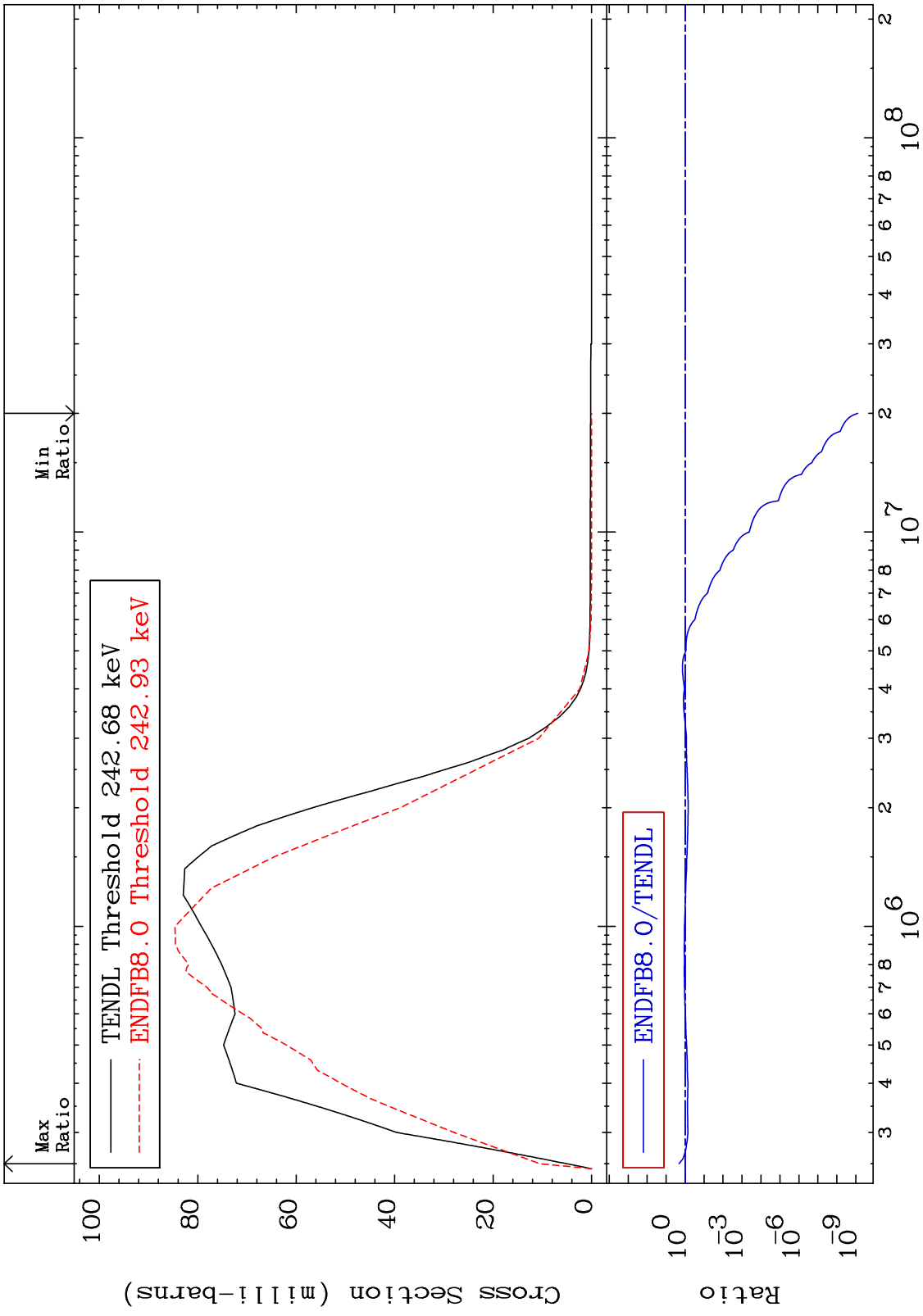
MAT 6525 MT= 51 (n,n') Level Cross Section 65-Tb-159 -100.0 To -10.22%



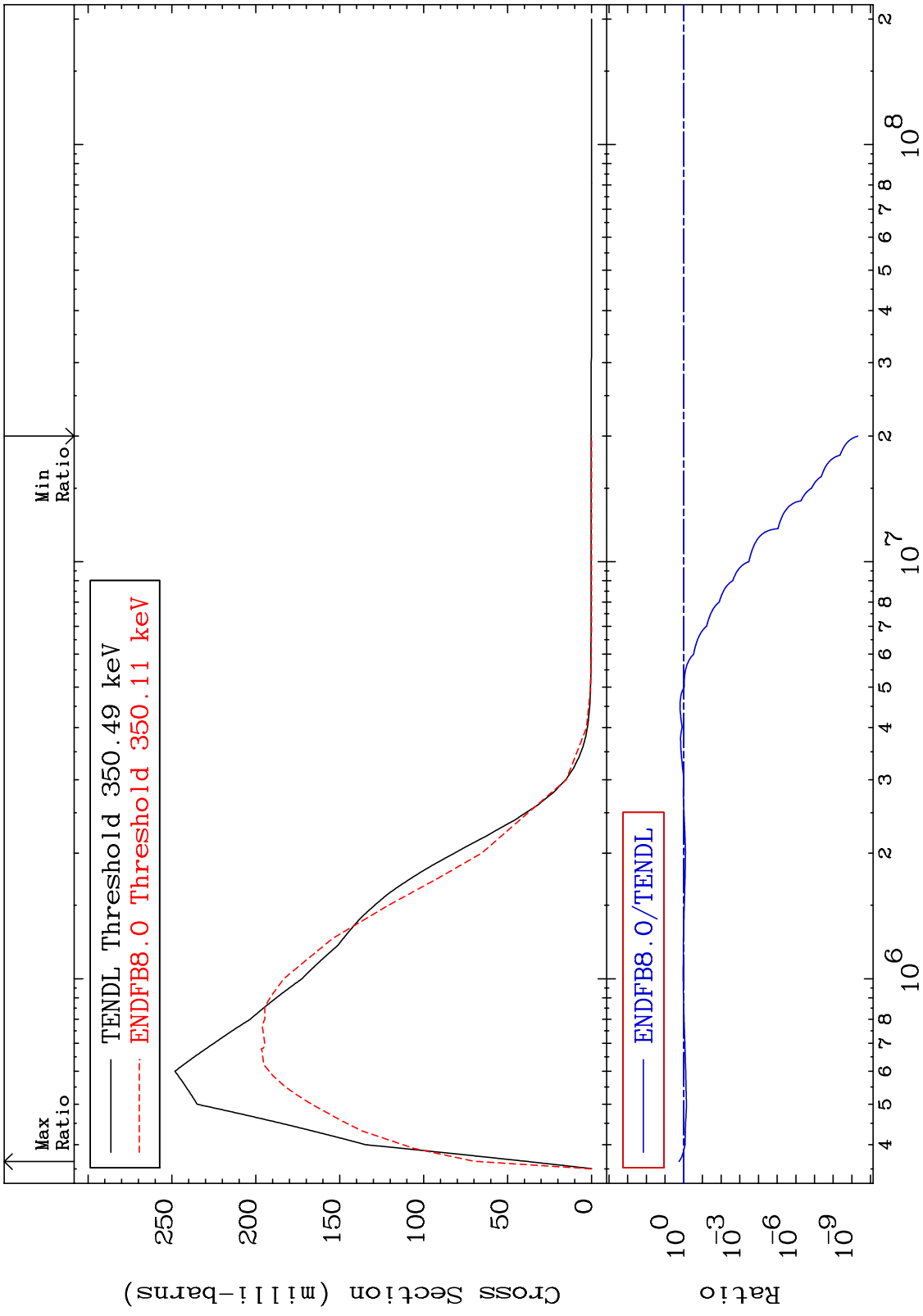
MAT 6525 MT= 52 (n,n') Level Cross Section 65-Tb-159 -100.0 To -26.35%



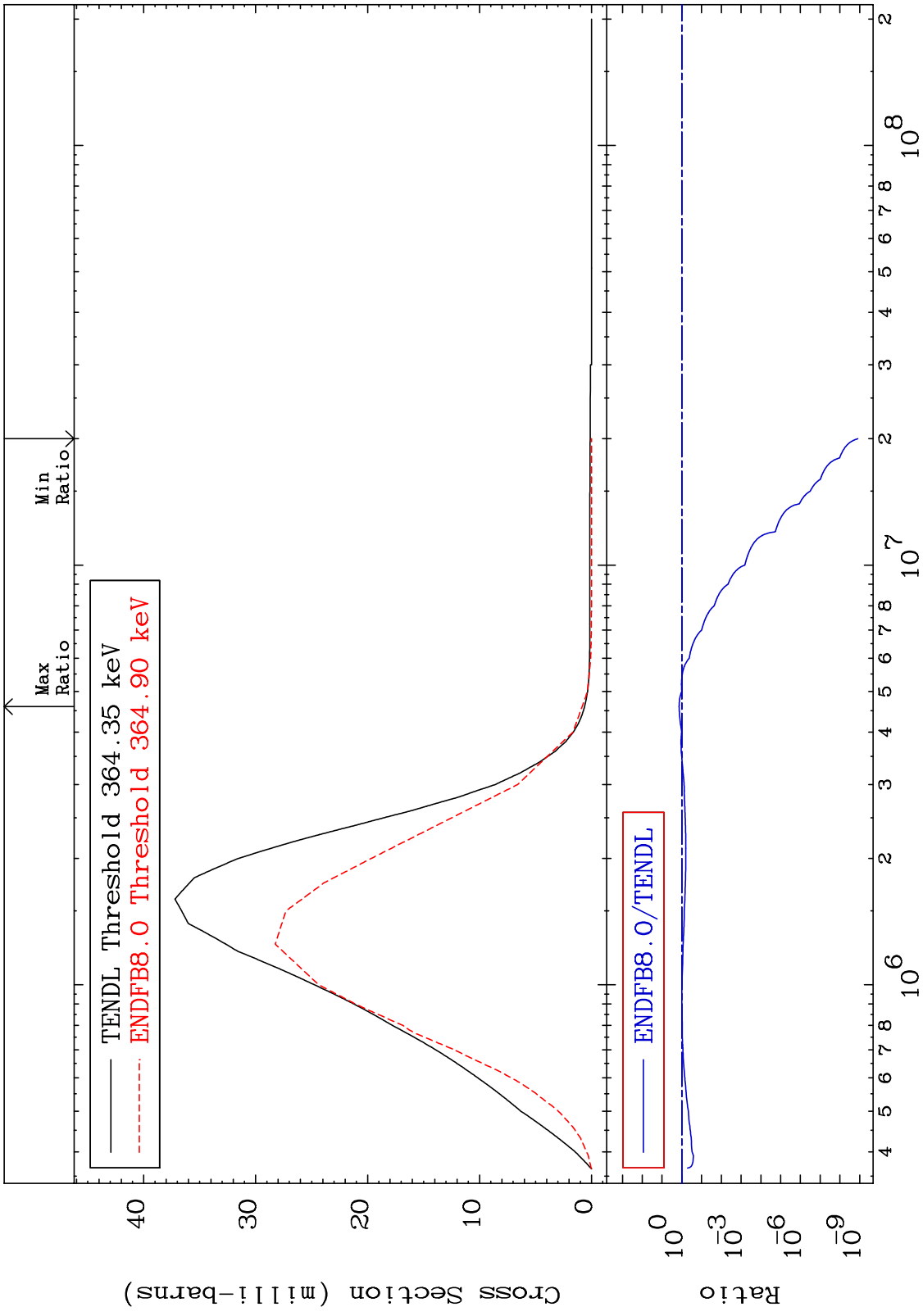
MAT 6525 MT= 53 (n,n') Level Cross Section 65-Tb-159 -100.0 To 107.8 %



MAT 6525 MT= 54 (n,n') Level Cross Section 65-Tb-159 -100.0 To 77.08 %



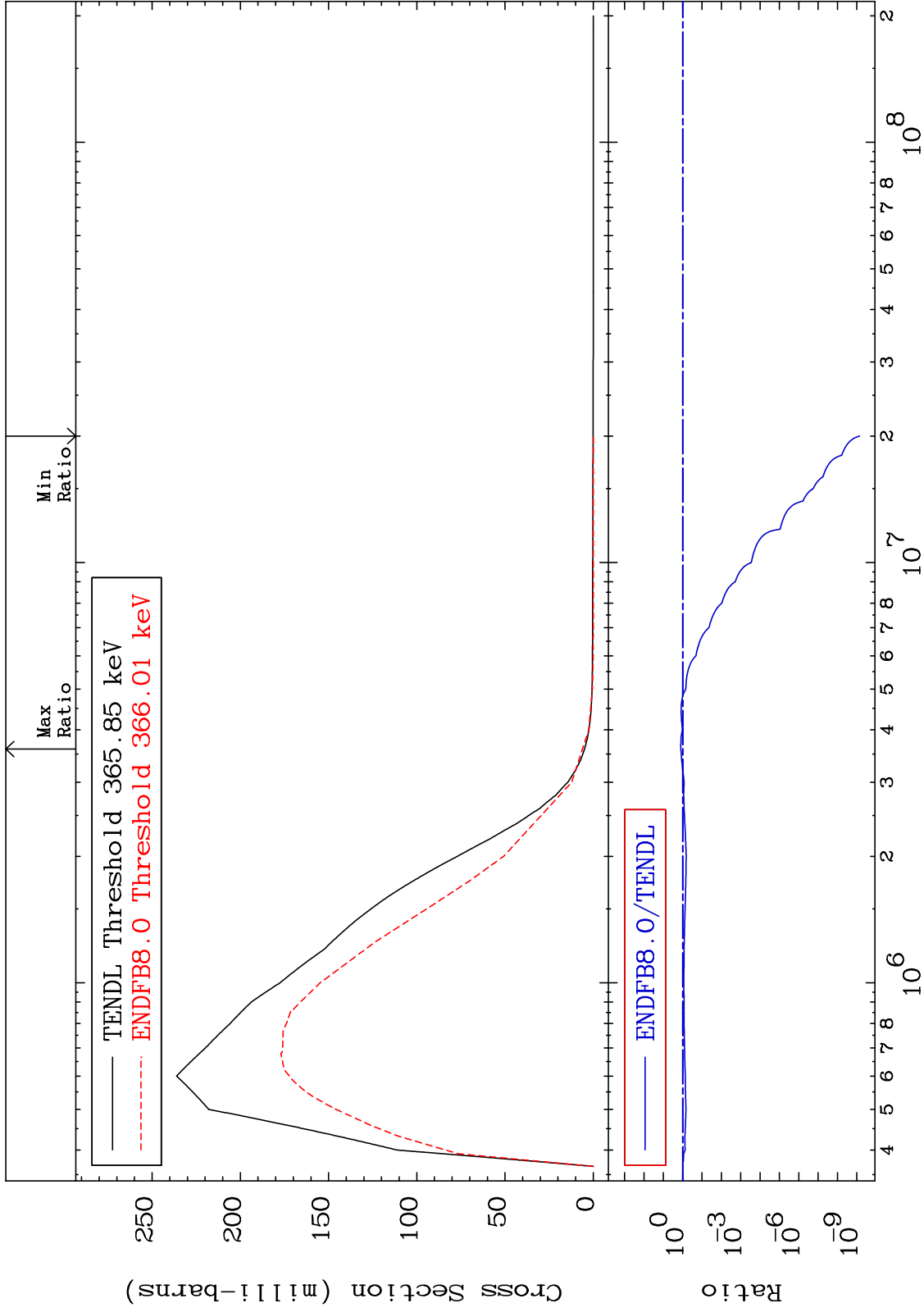
MAT 6525 MT= 55 (n,n') Level Cross Section 65-Tb-159 -100.0 To 37.84 %



MAT 6525

MT= 56 (n,n') Level
Cross Section

65-Tb-159
-100.0 To 24.67 %

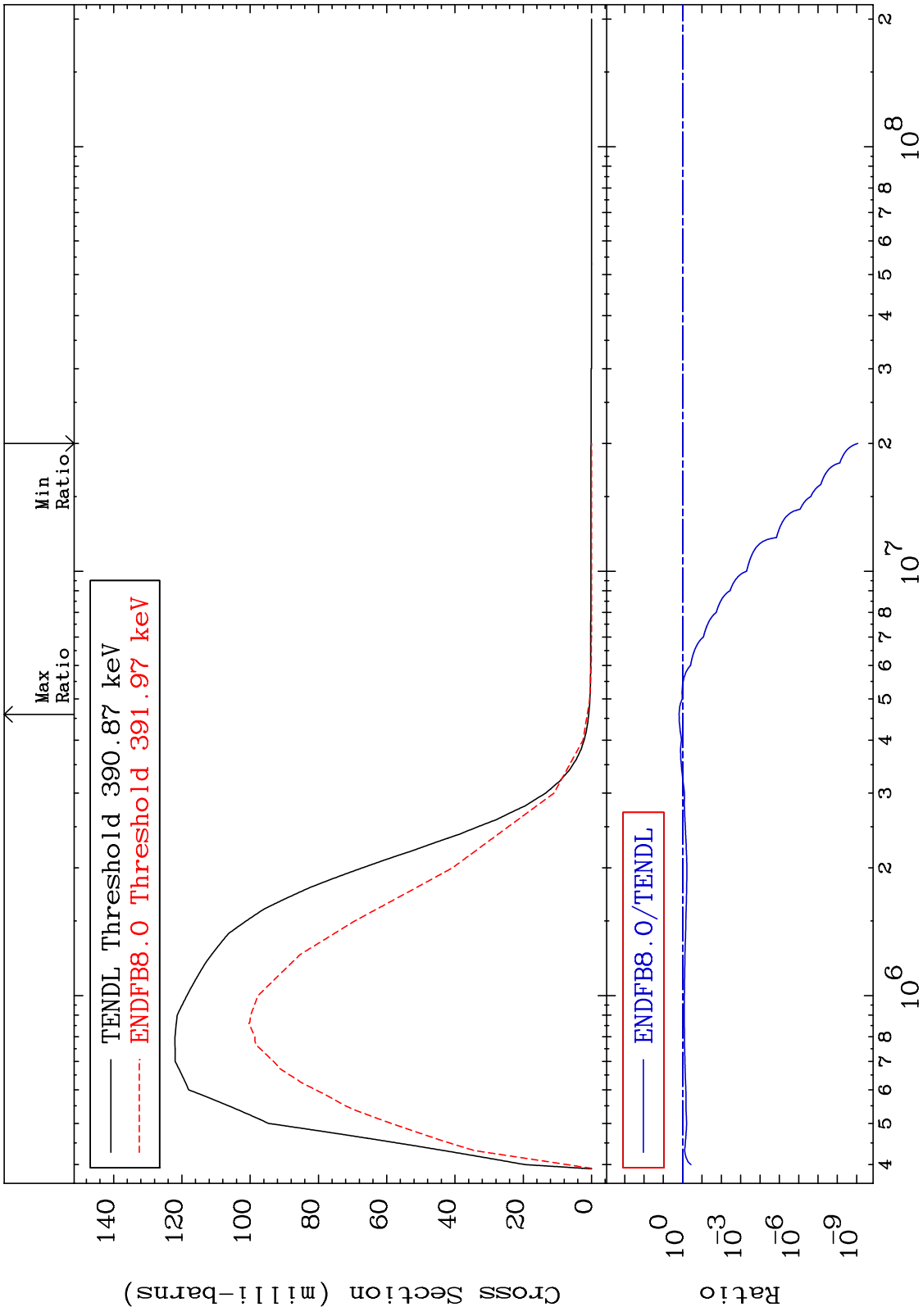


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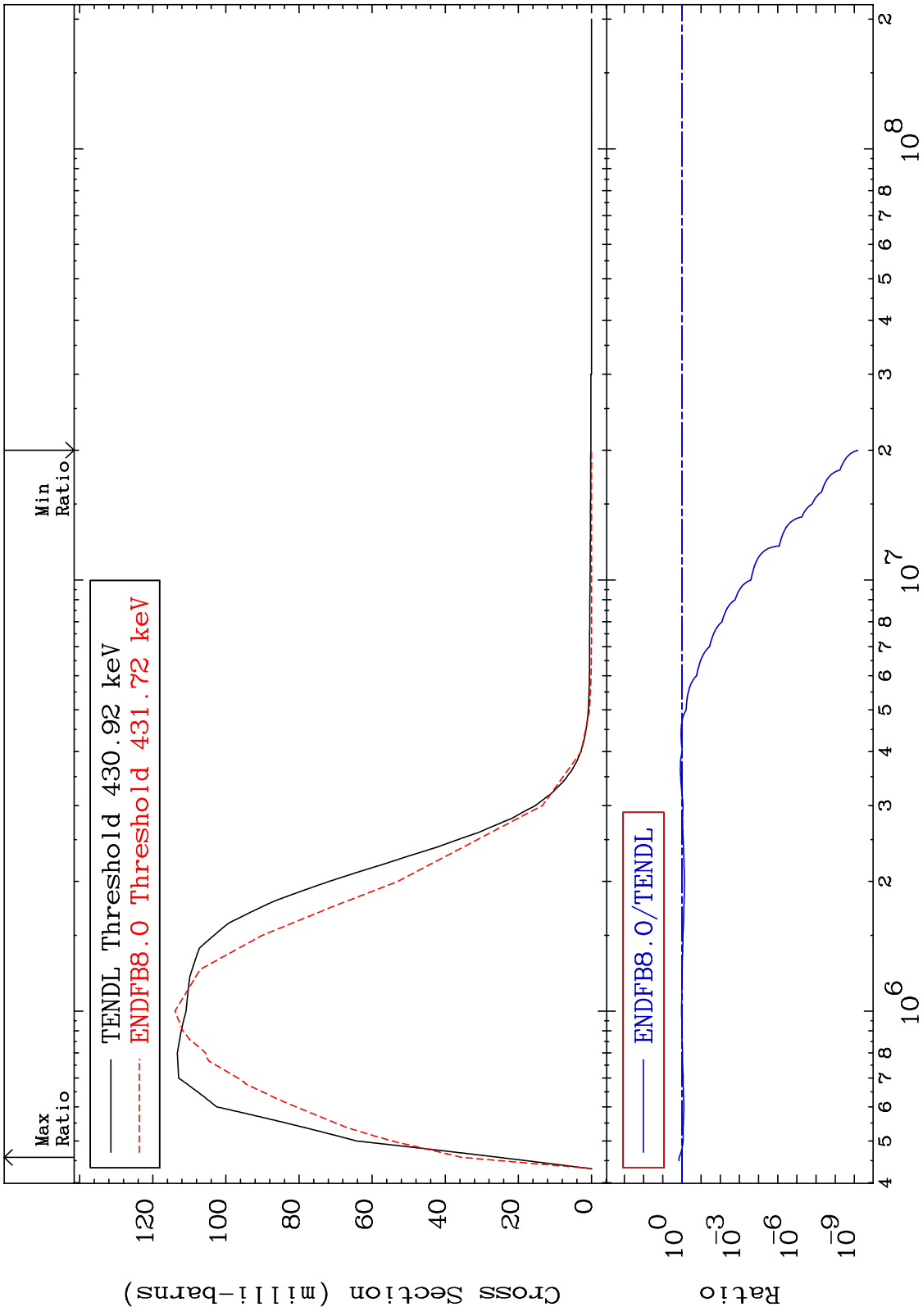
Incident Energy (eV)

65-Tb-159

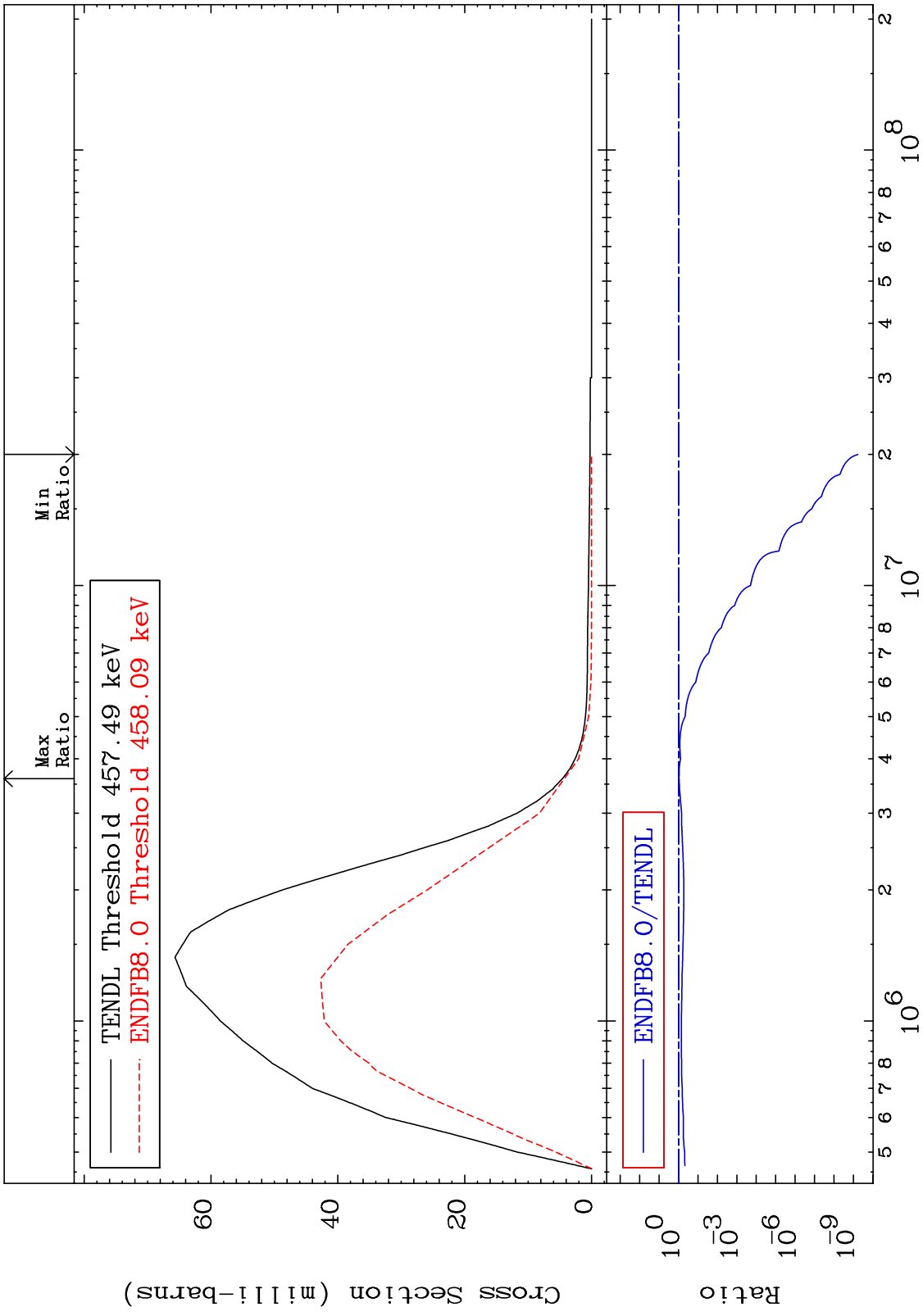
MAT 6525 MT= 57 (n,n') Level Cross Section 65-Tb-159 -100.0 To 54.04 %



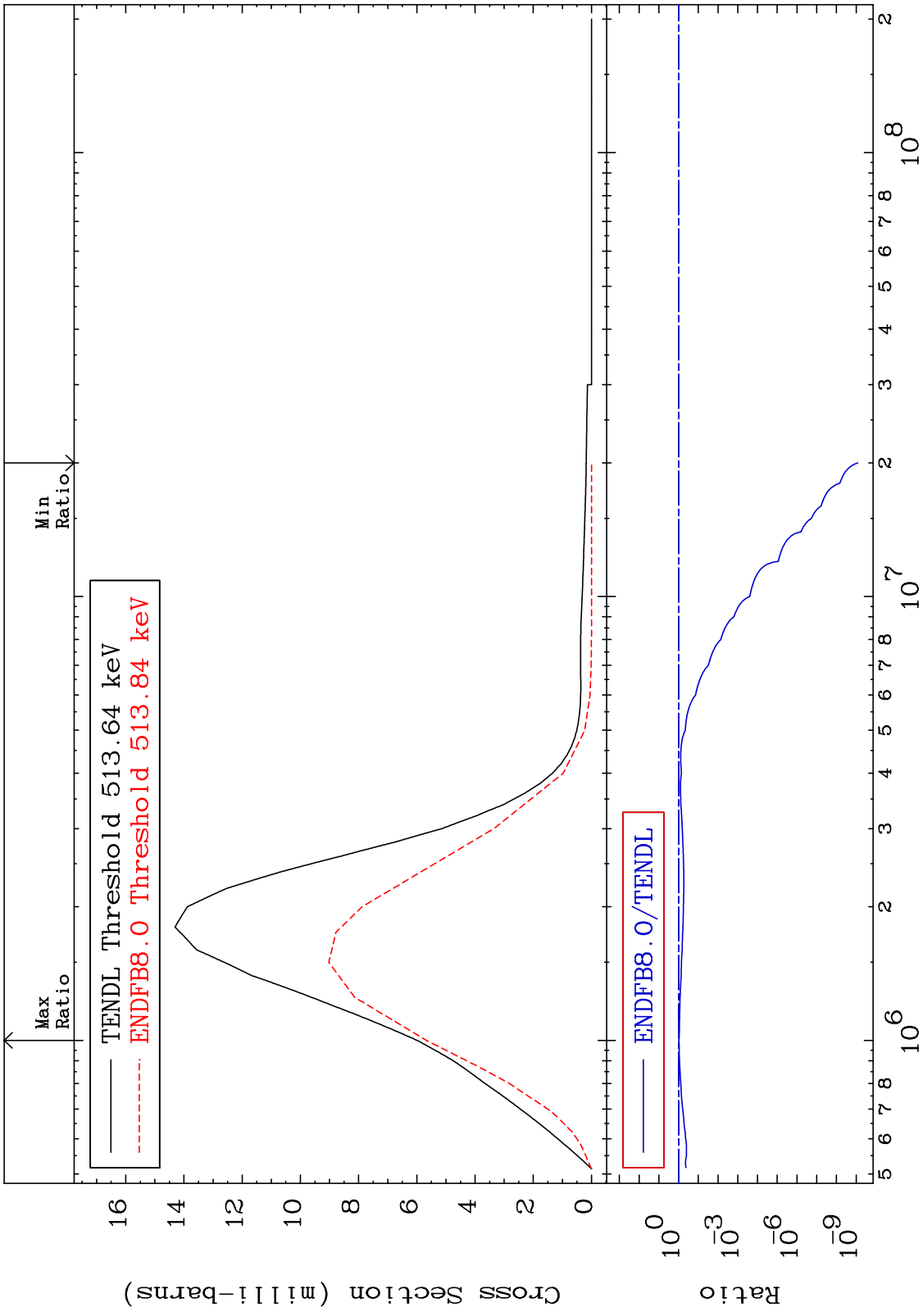
MAT 6525 MT= 58 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 40.37 %



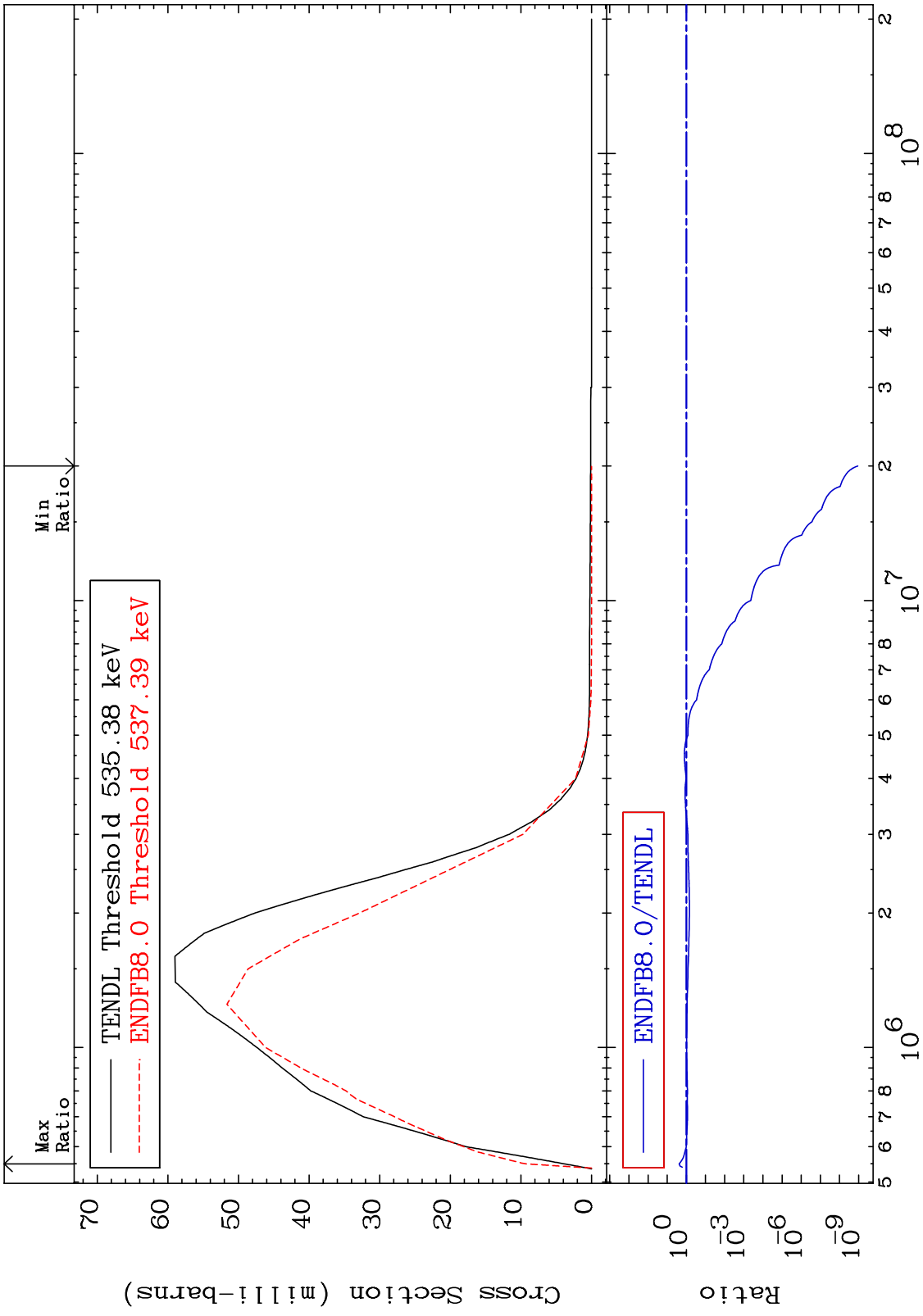
MAT 6525 MT= 59 (n,n') Level Cross Section 65-Tb-159 -100.0 To -5.890%



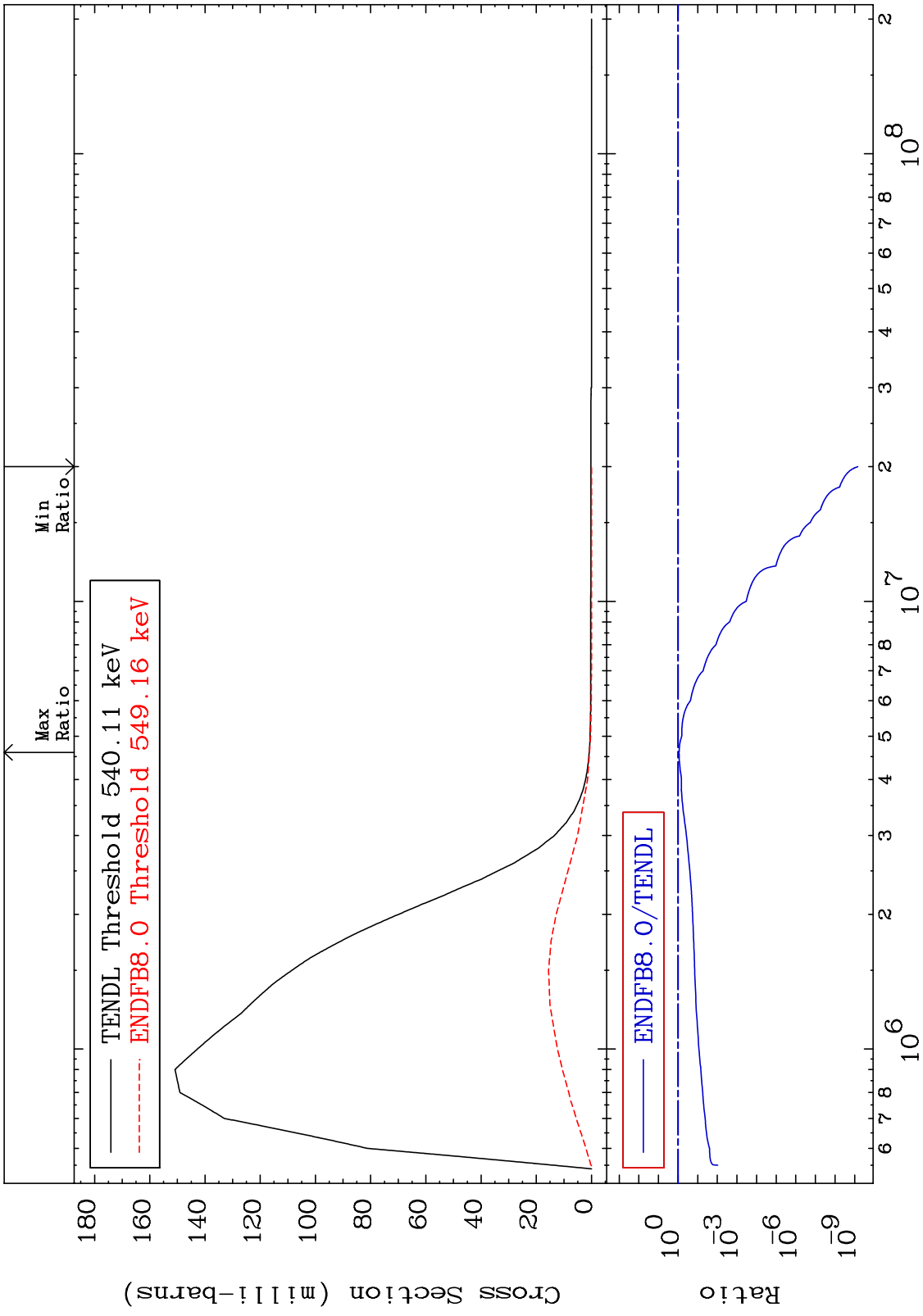
MAT 6525 MT= 60 (n,n') Level Cross Section 65-Tb-159 -100.0 To -5.356%



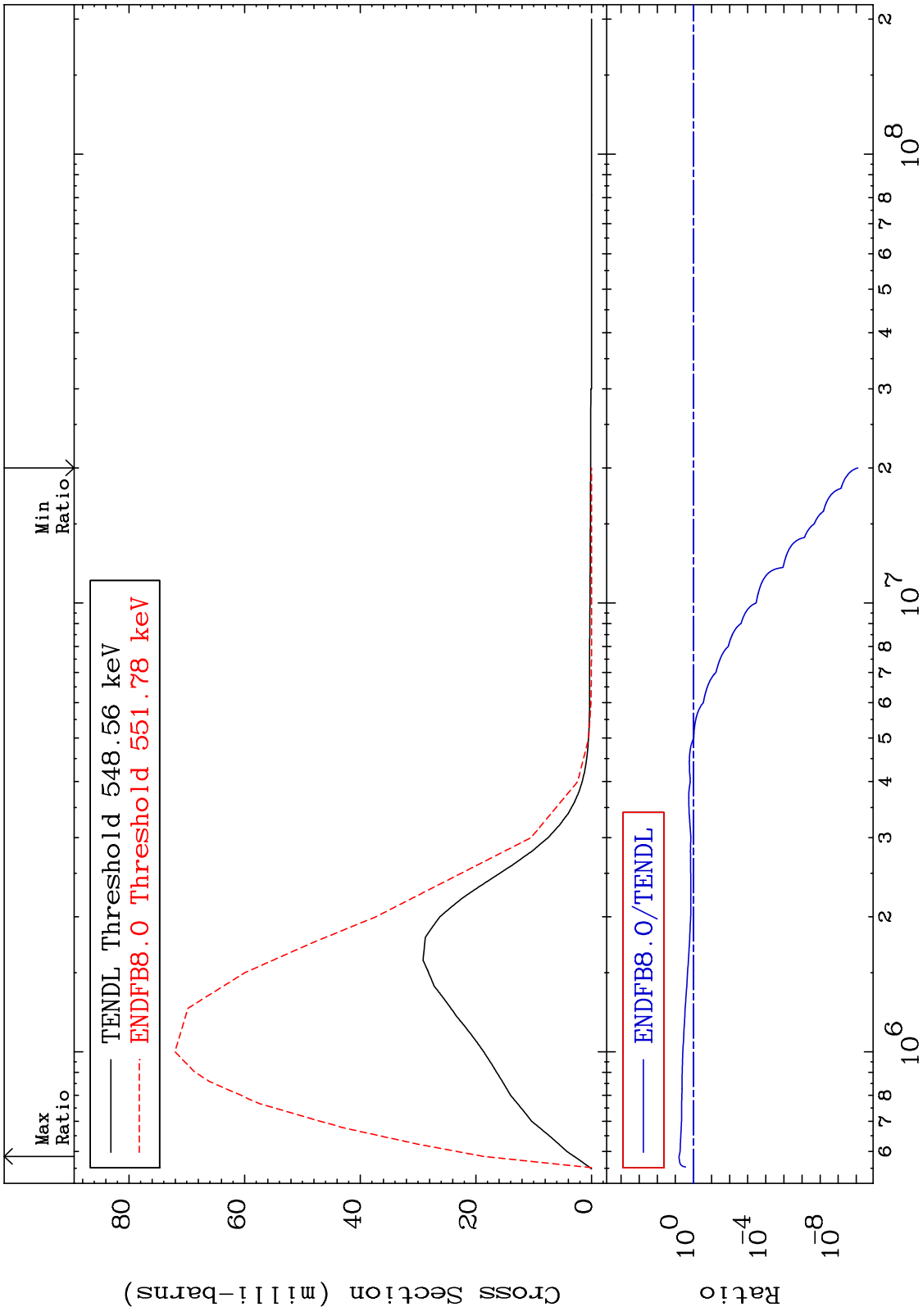
MAT 6525 MT= 61 (n,n') Level Cross Section 65-Tb-159 -100.0 To 140.9 %



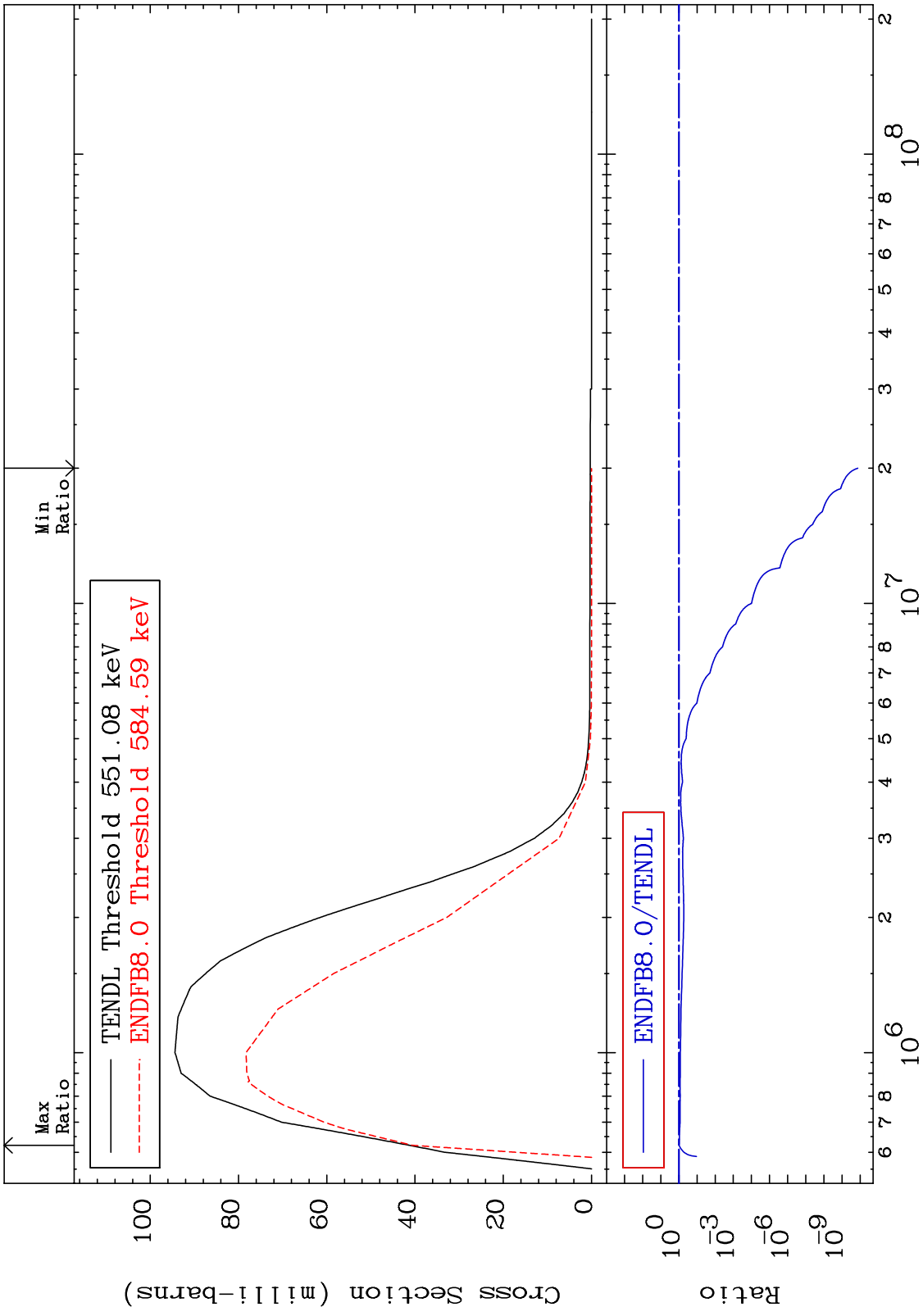
MAT 6525 MT= 62 (n,n') Level Cross Section 65-Tb-159 -100.0 To -10.88%



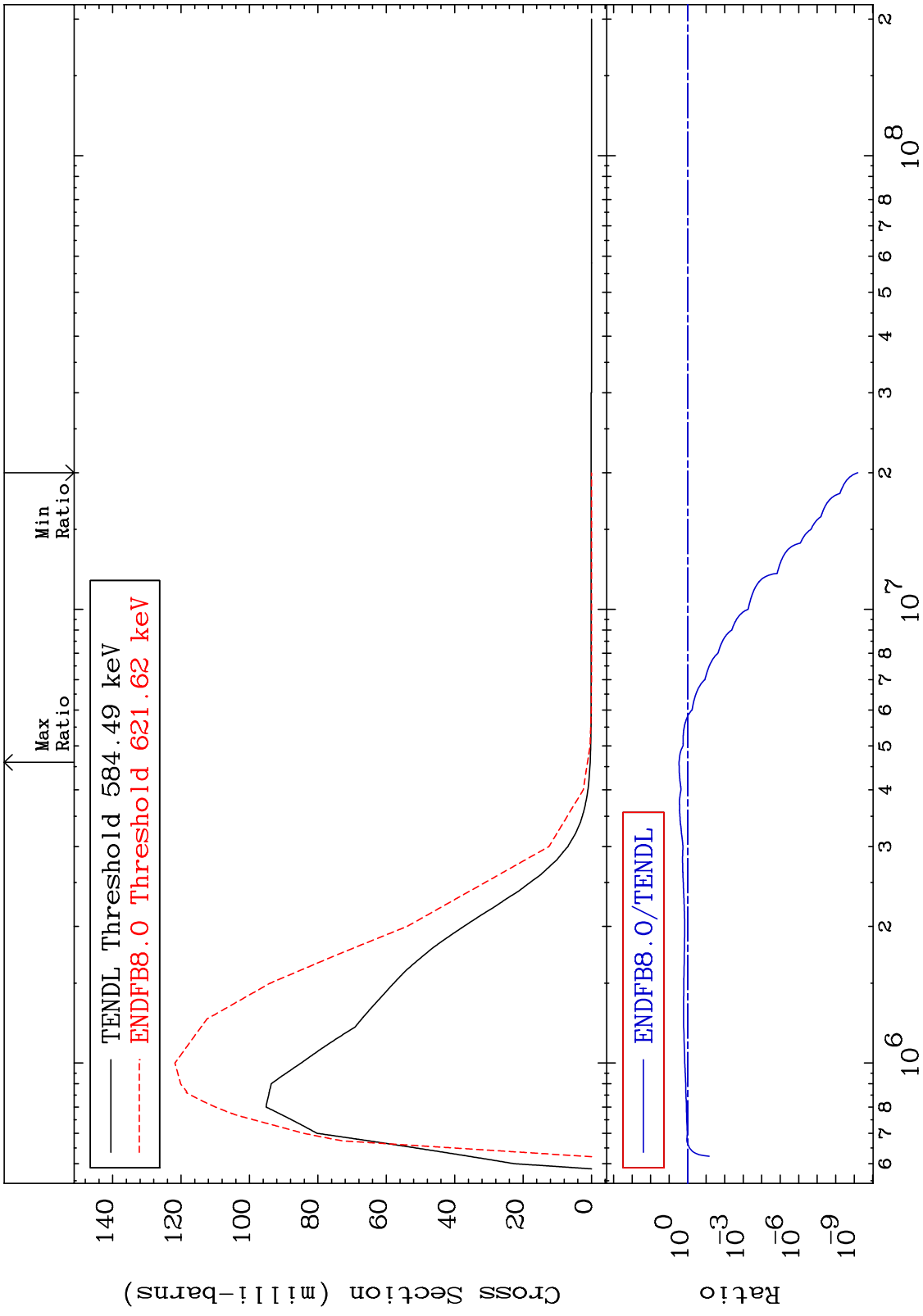
MAT 6525 MT= 63 (n,n') Level Cross Section 65-Tb-159 -100.0 To 523.3 %



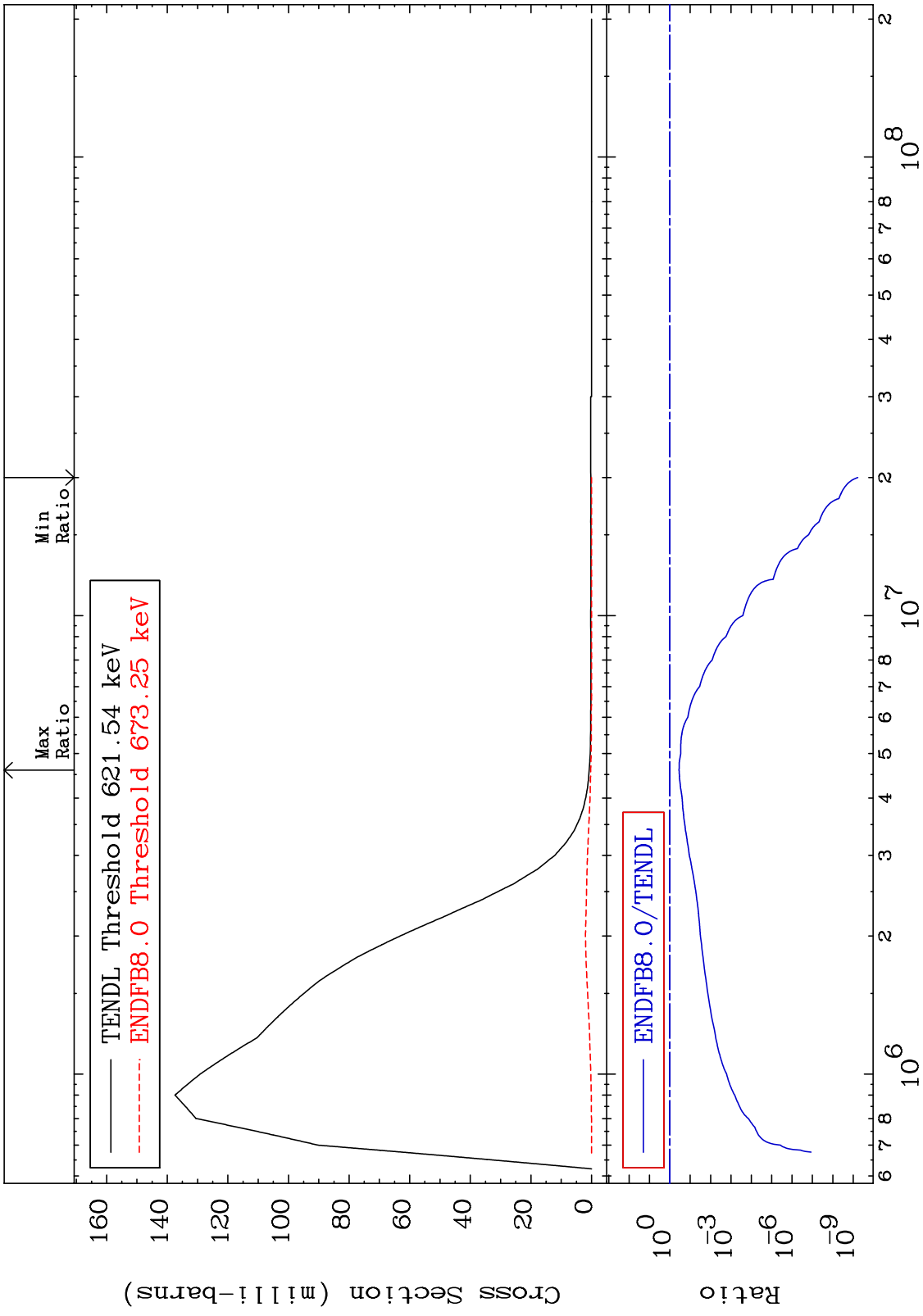
MAT 6525 MT= 64 (n,n') Level Cross Section 65-Tb-159 -100.0 To -1.807%



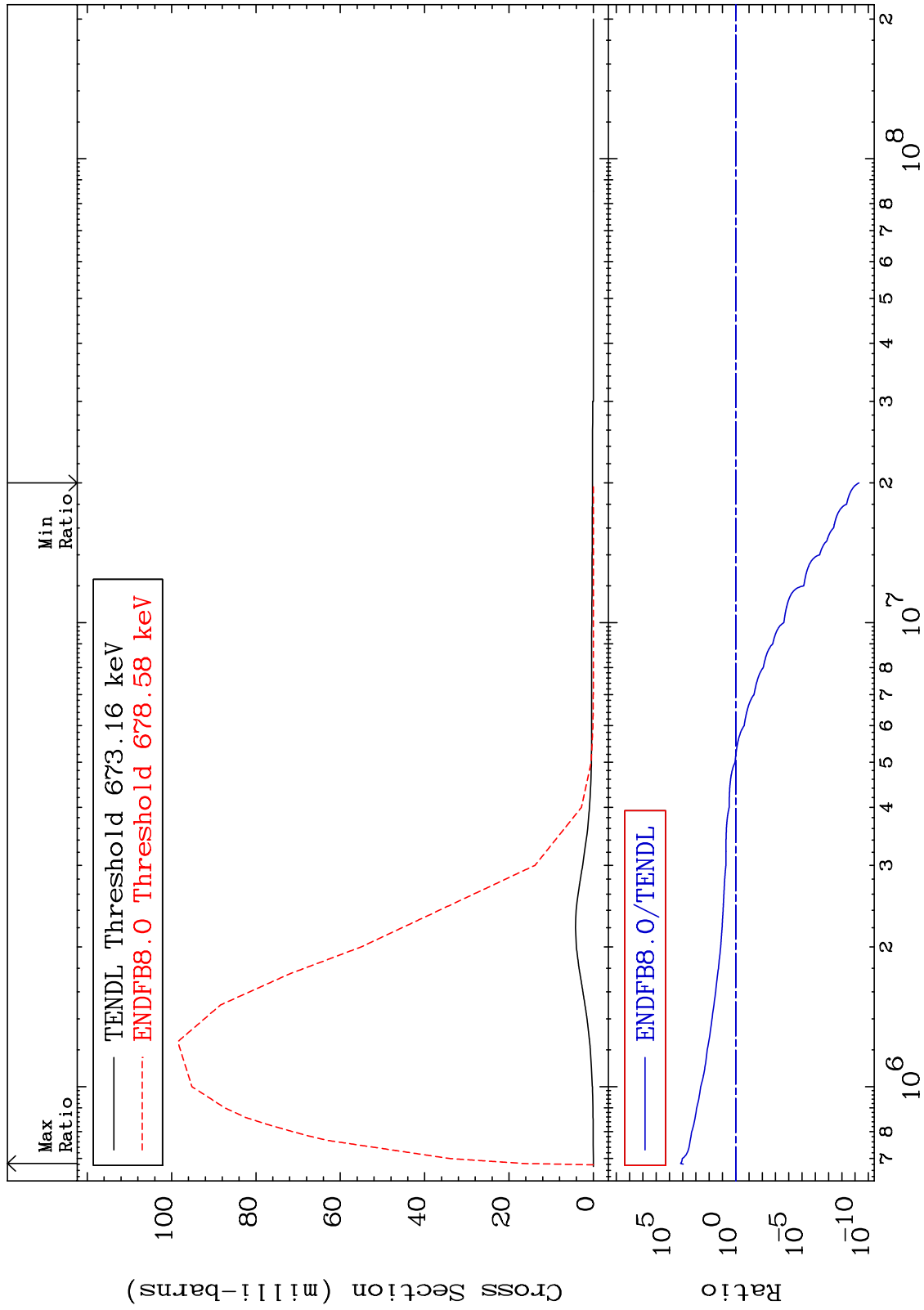
MAT 6525 MT= 65 (n,n') Level Cross Section 65-Tb-159 -100.0 To 192.5 %



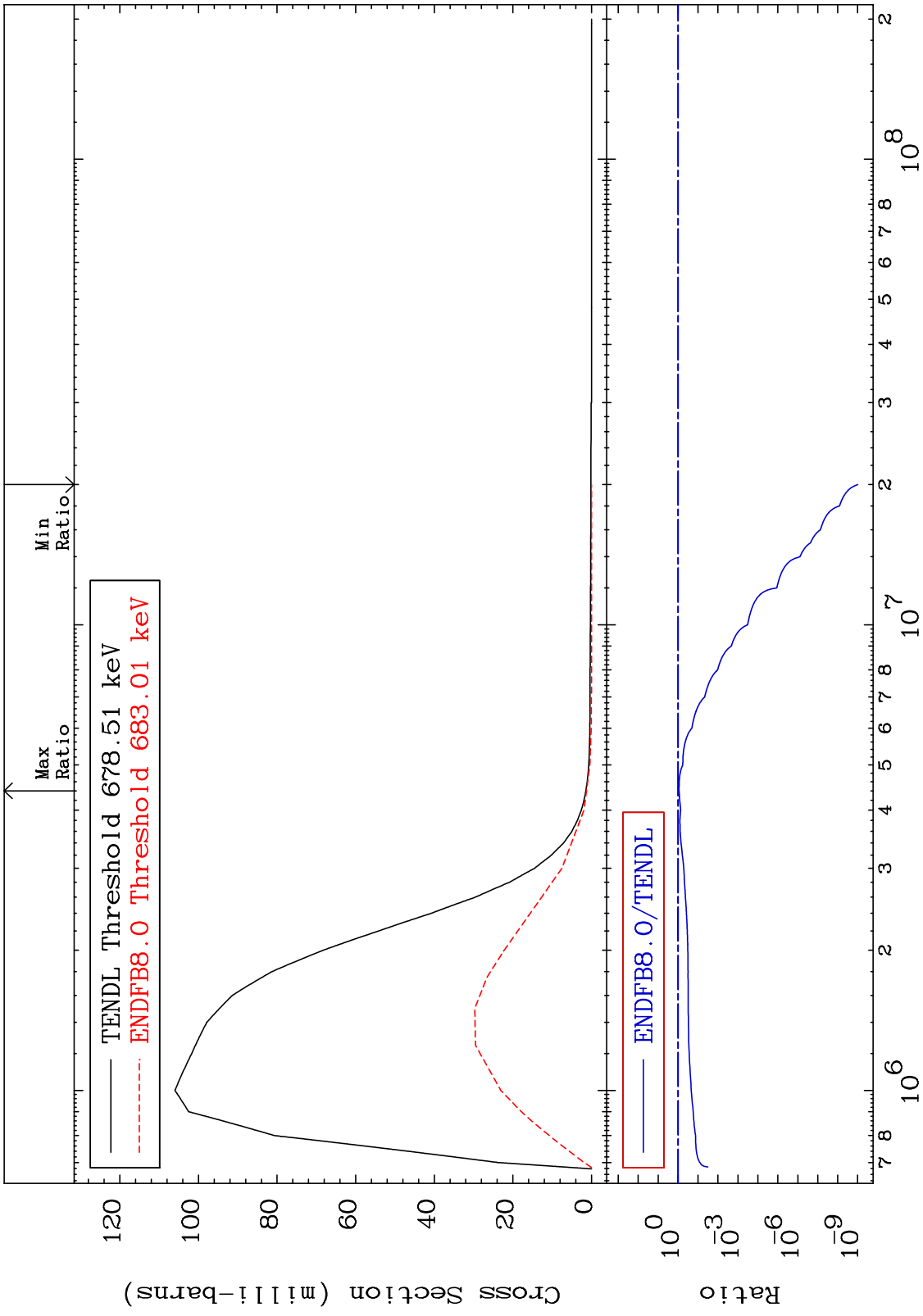
MAT 6525 MT= 66 (n,n') Level Cross Section 65-Tb-159 -100.0 To -64.68%



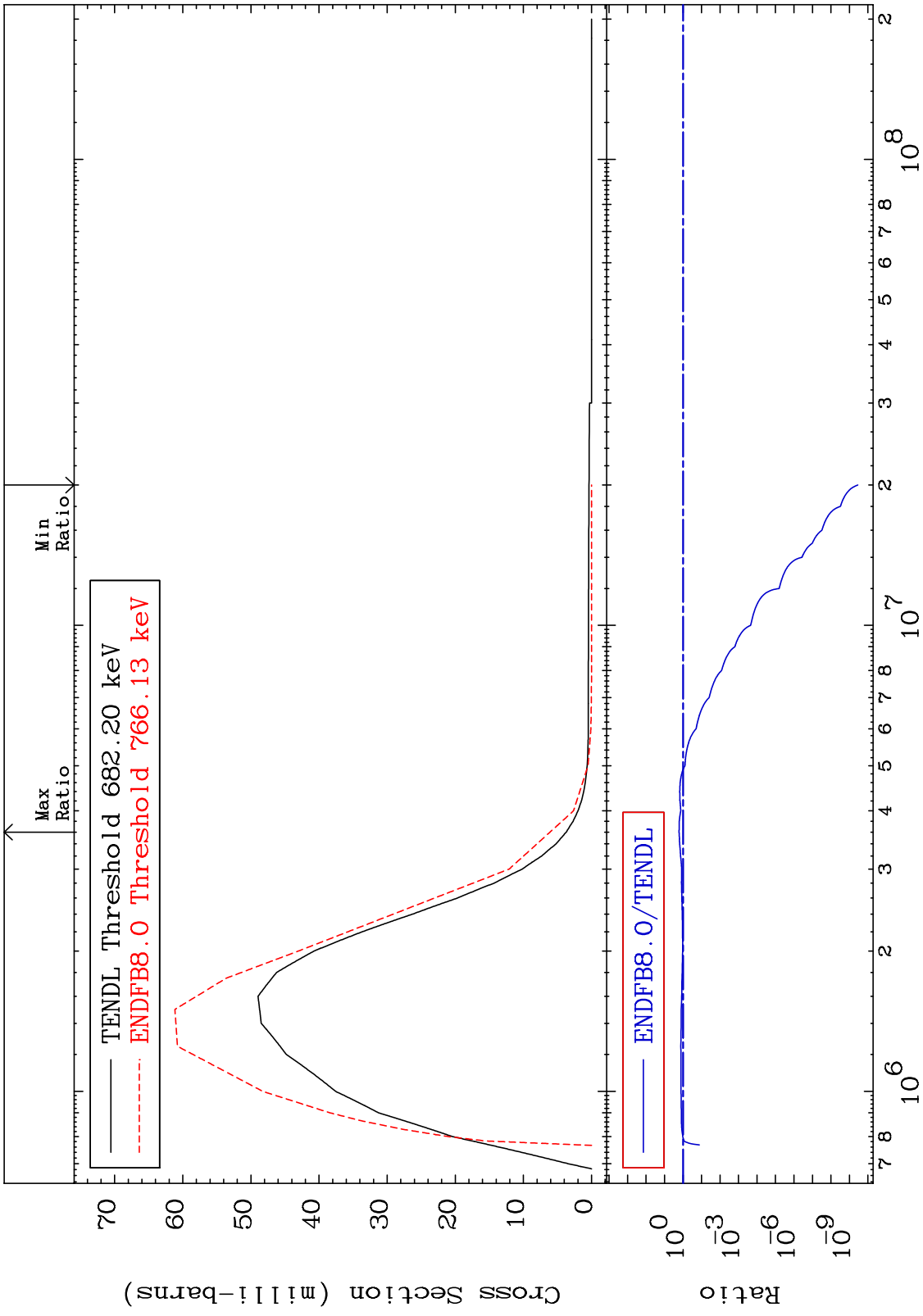
MAT 6525 MT= 67 (n,n') Level Cross Section 65-Tb-159 -100.0 To 9999. %



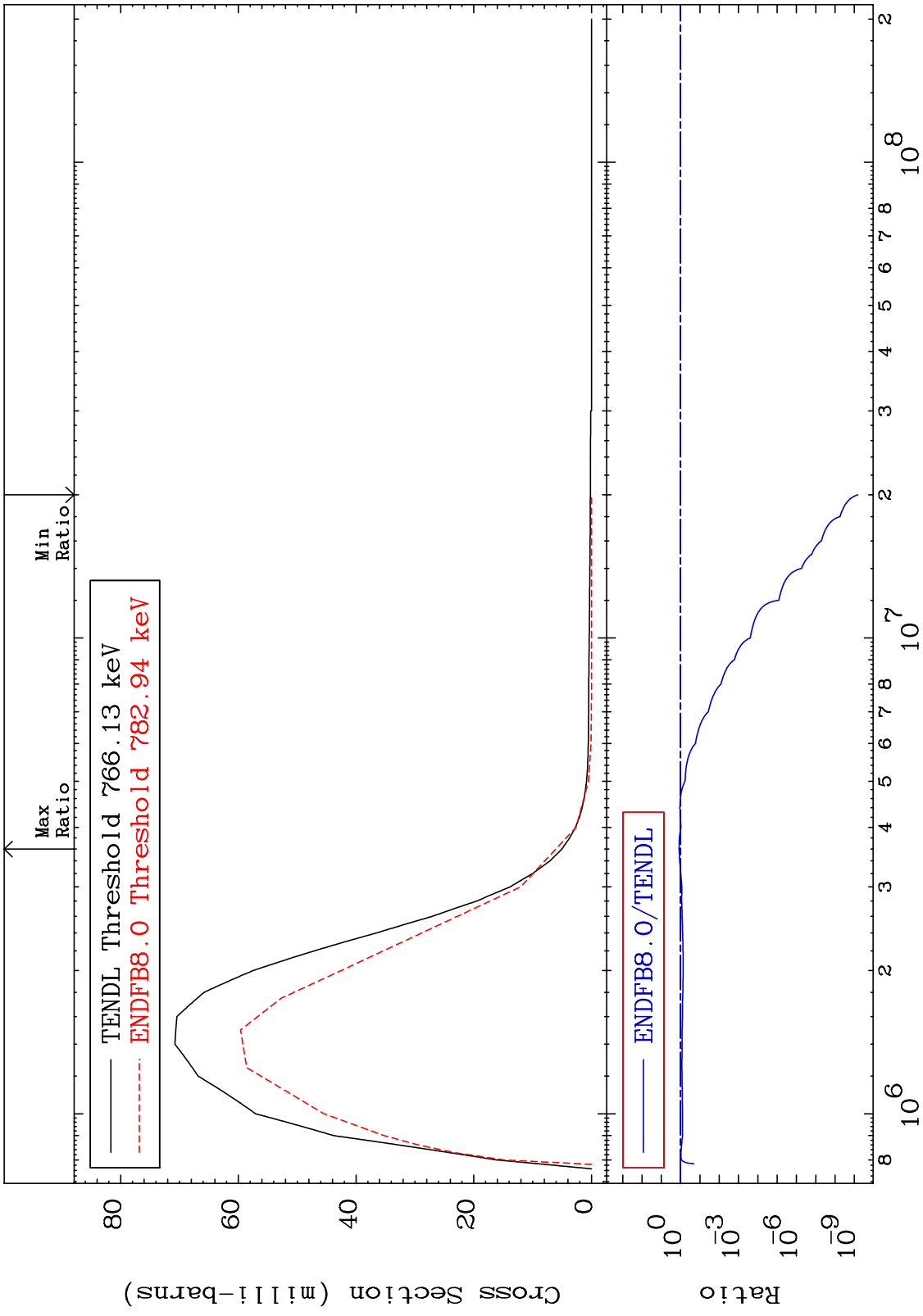
MAT 6525 MT= 68 (n,n') Level Cross Section 65-Tb-159
 -100.0 To -10.67%



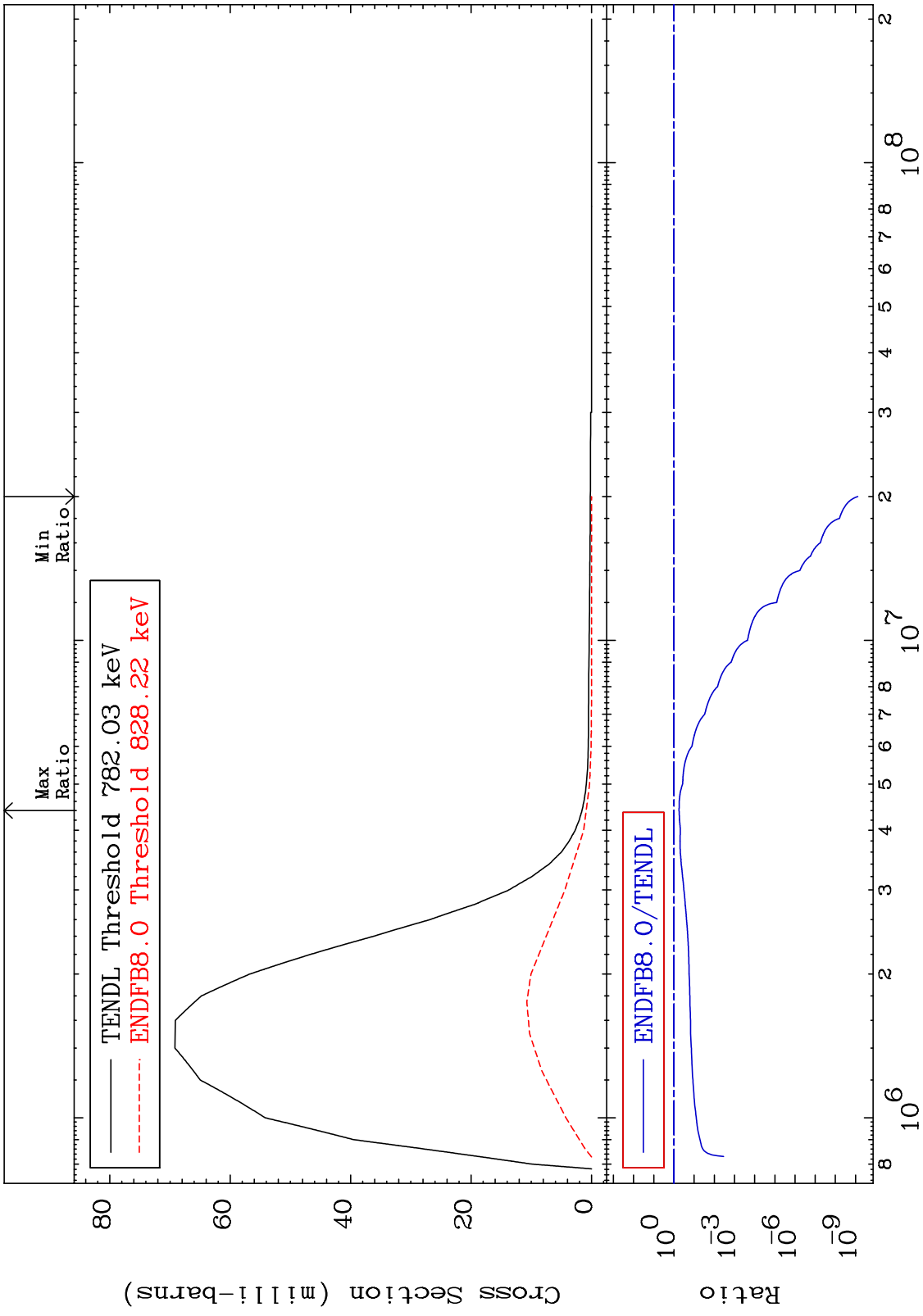
MAT 6525 MT= 69 (n,n') Level Cross Section 65-Tb-159 -100.0 To 64.43 %



MAT 6525 MT= 70 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 20.48 %

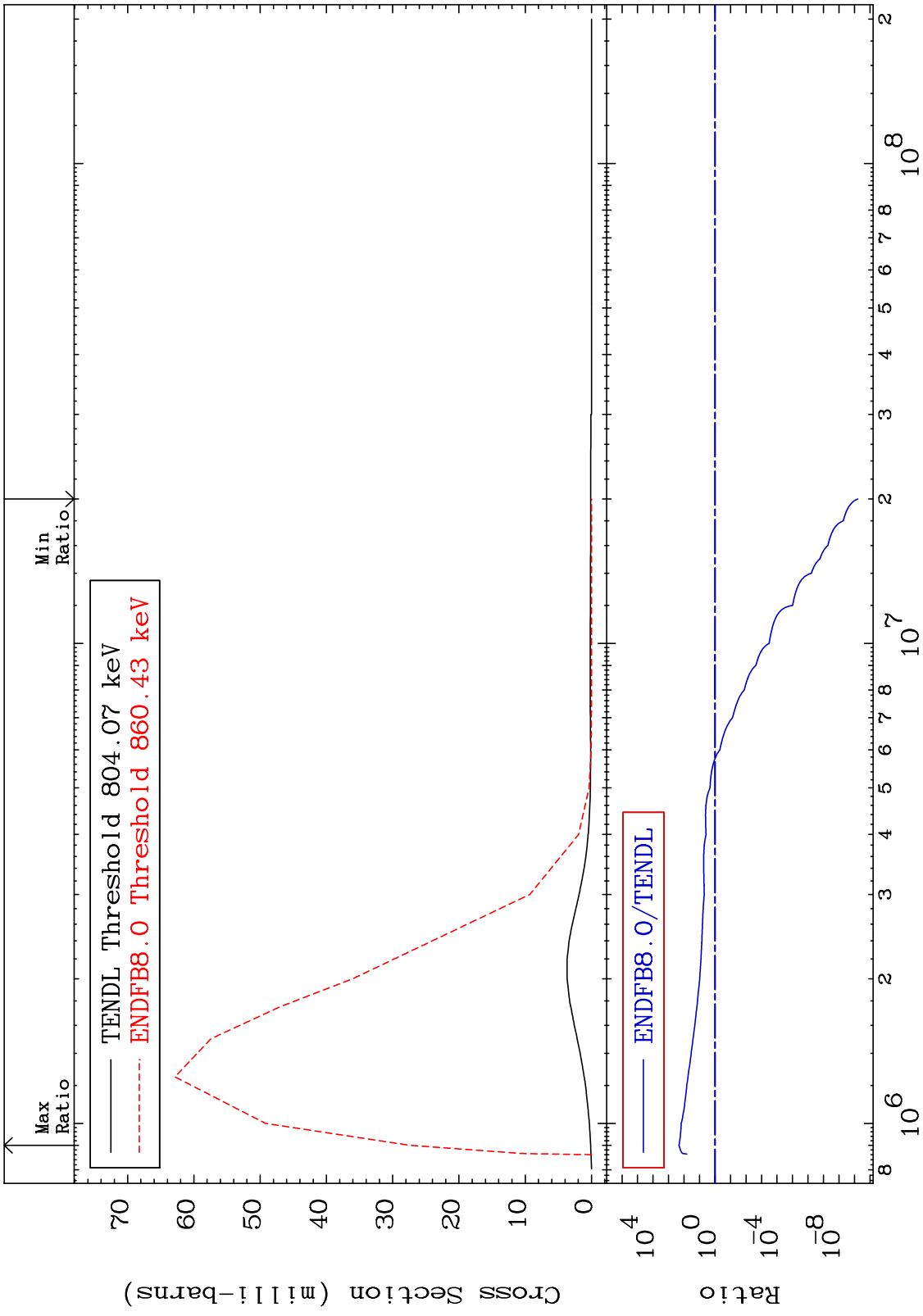


MAT 6525 MT= 71 (n,n') Level Cross Section 65-Tb-159 -100.0 To -44.02%

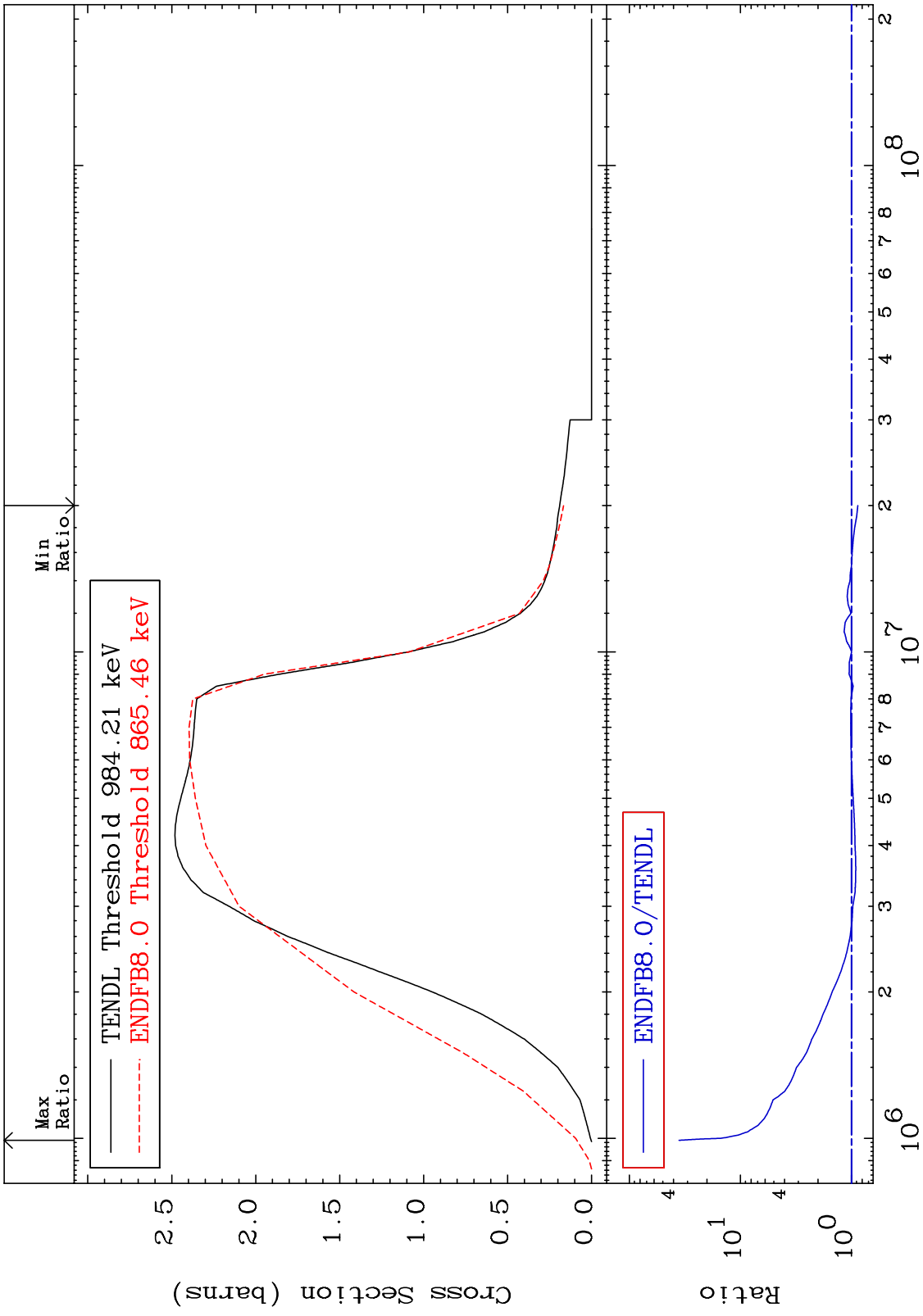


30 Incident Energy (eV) 65-Tb-159

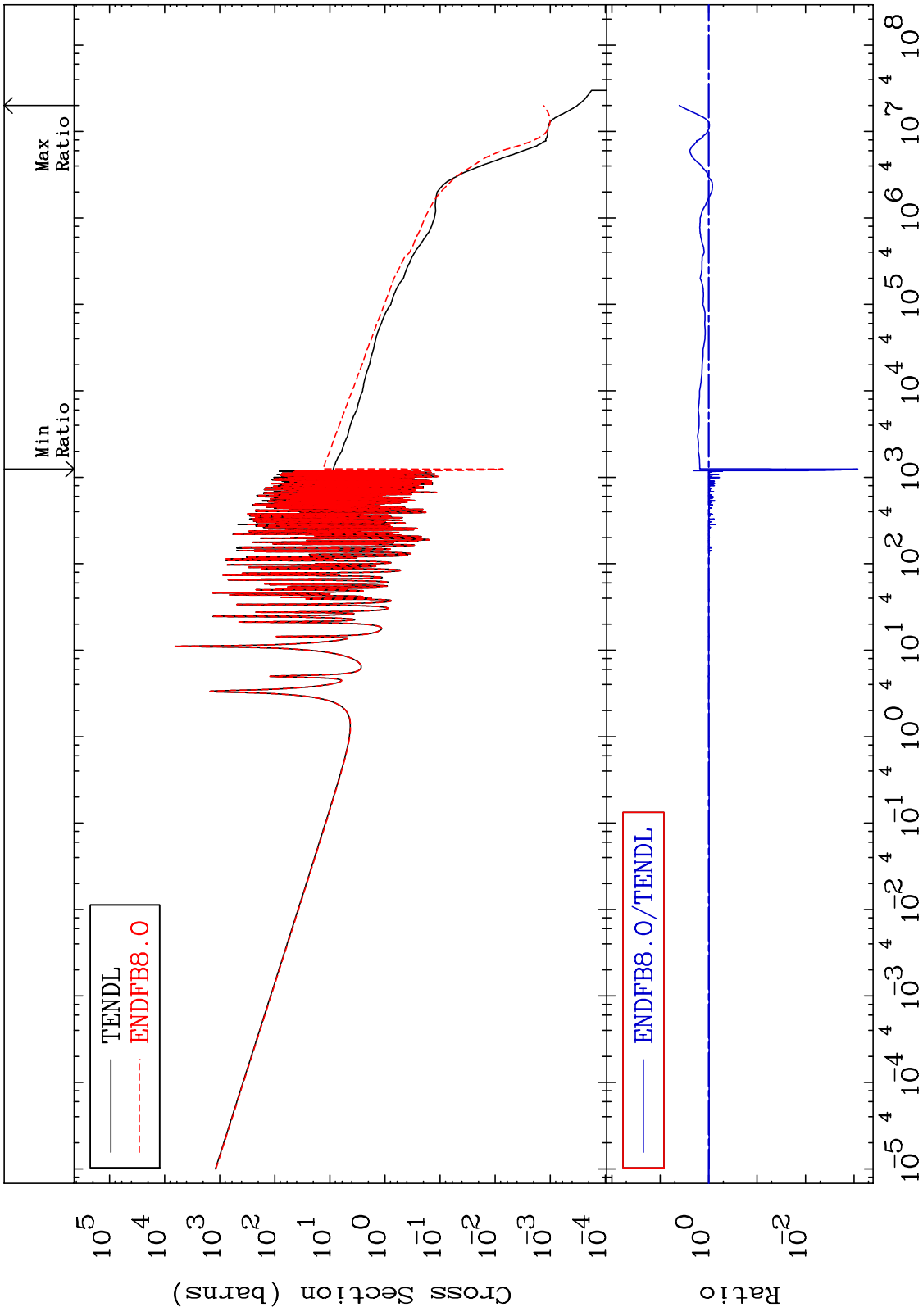
MAT 6525 MT= 72 (n,n') Level Cross Section 65-Tb-159
 -100.0 To 9999. %



MAT 6525 (n,n') Continuum Cross Section 65-Tb-159 -12.49 To 3468. %



MAT 6525 (n,γ) Cross Section 65-Tb-159 -99.92 To 309.1 %



MAT 6525

(n,p)

65-Tb-159

-100.0 To -8.406%

Cross Section

Min Ratio

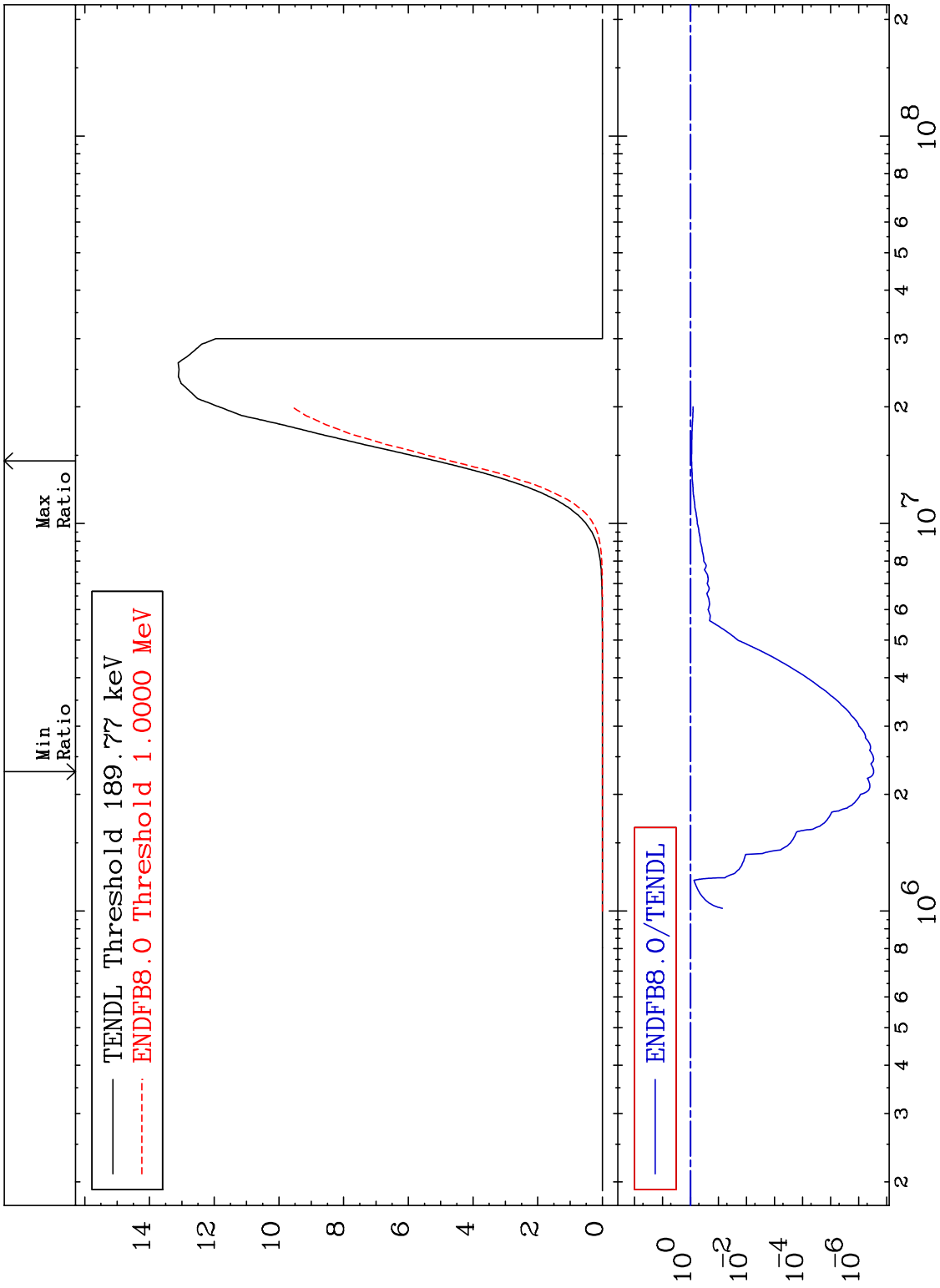
Max Ratio

TENDL Threshold 189.77 keV
ENDFB8.0 Threshold 1.0000 MeV

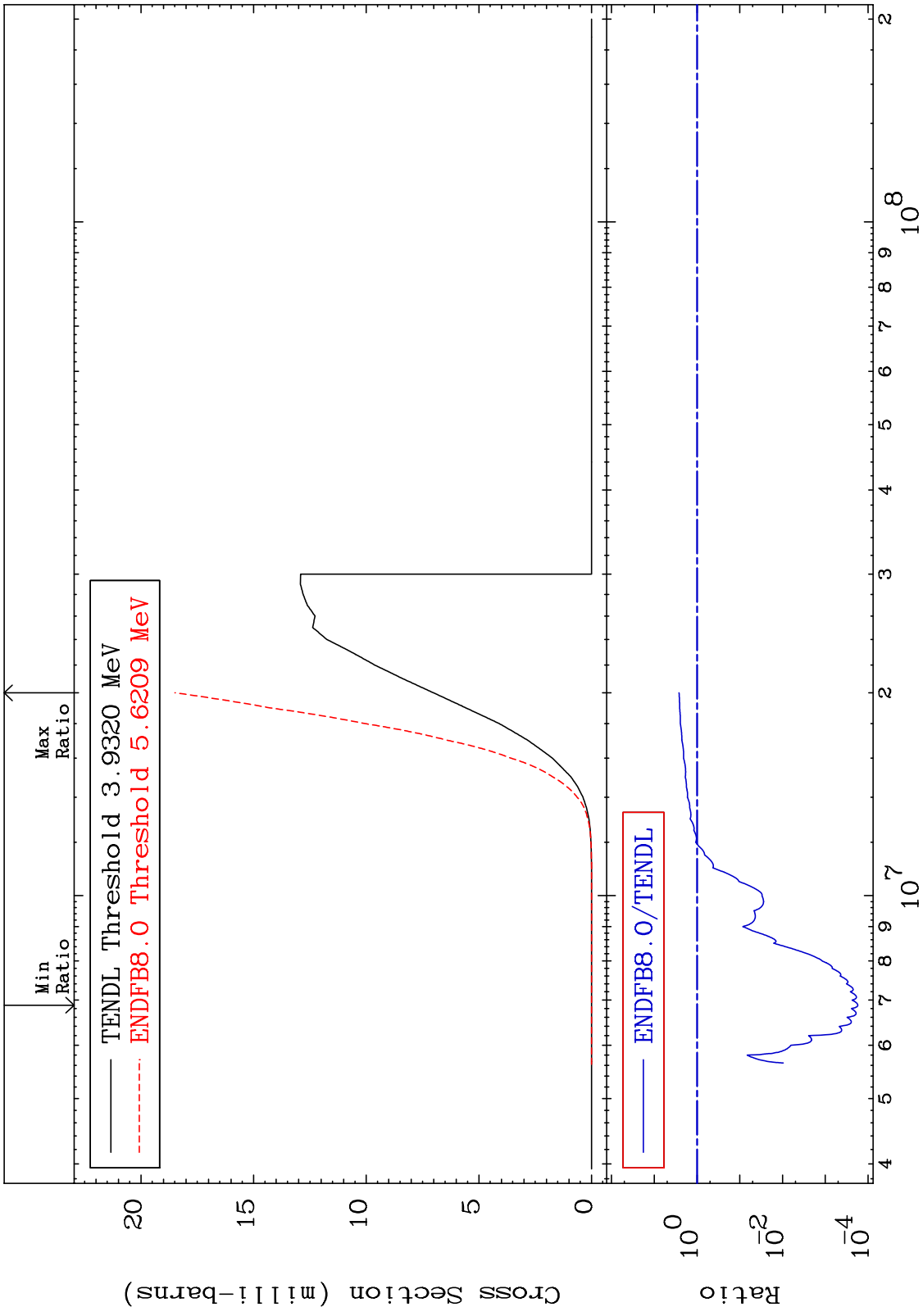
Cross Section (milli-barns)

ENDFB8.0/TENDL

Ratio

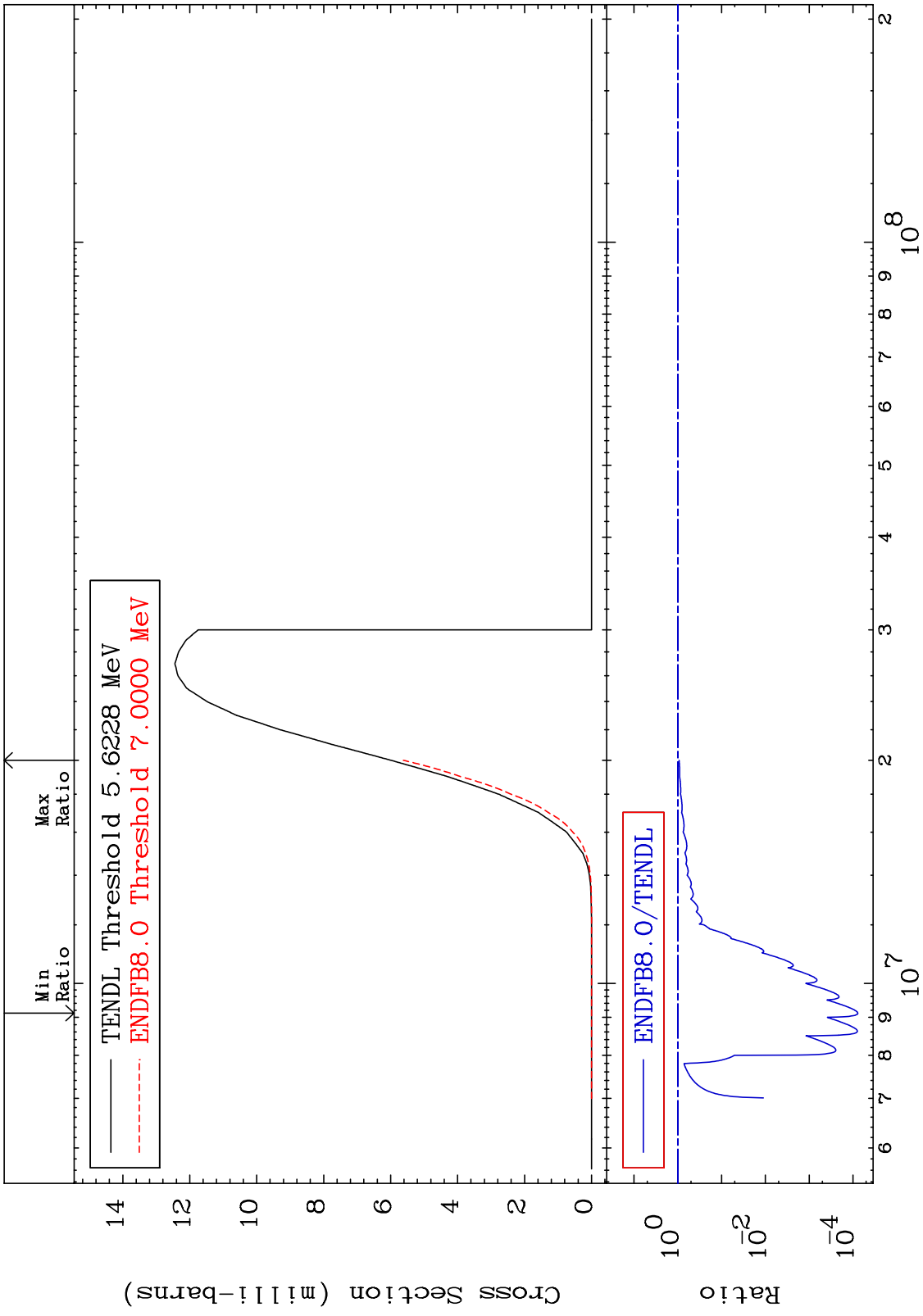


MAT 6525 (n,d) Cross Section 65-Tb-159 -99.98 To 163.5 %



MAT 6525 65-Tb-159
-99.99 To -6.163%

(n, t)
 Cross Section



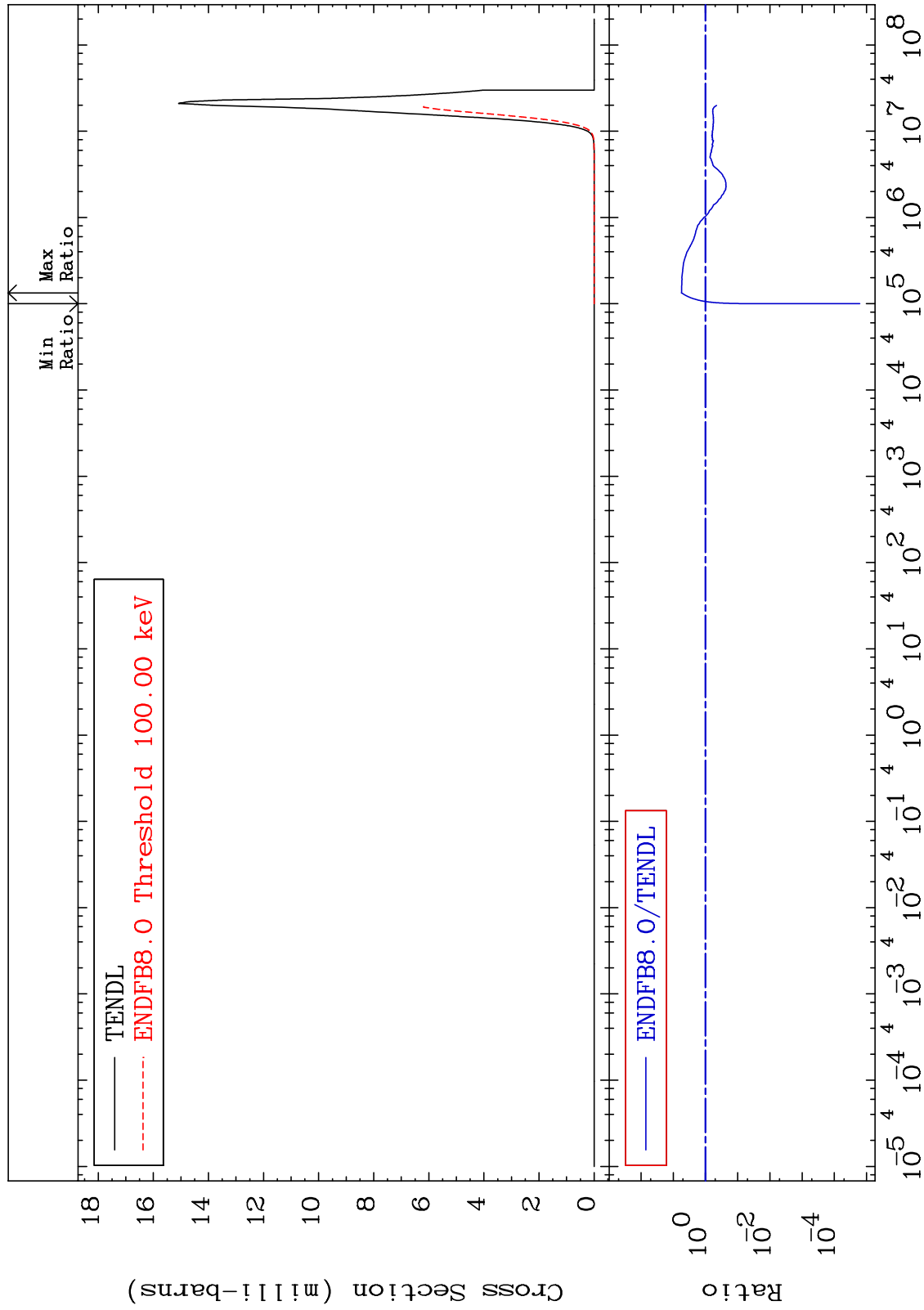
MAT 6525

(n, α)

65-Tb-159

Cross Section

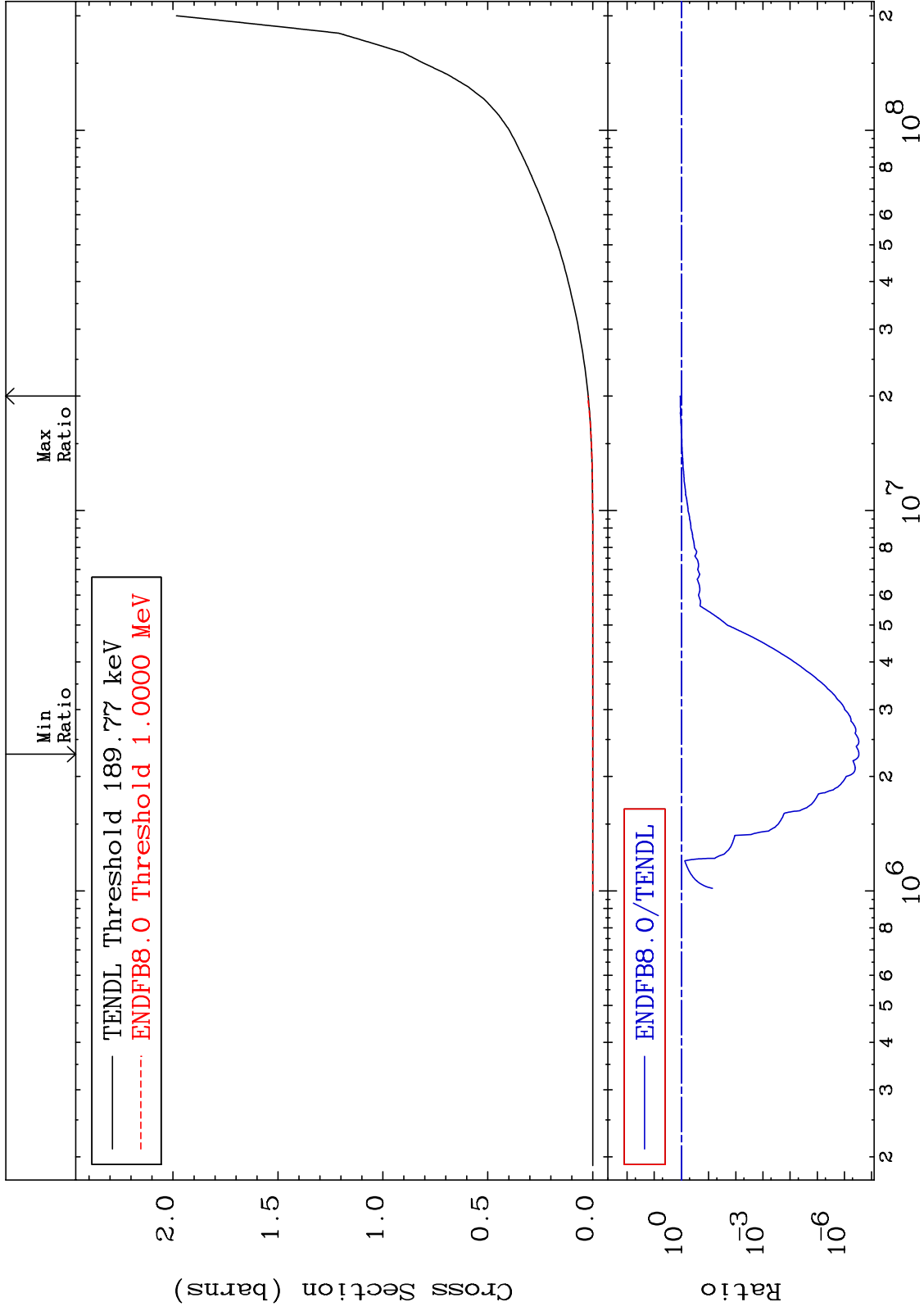
-100.0 To 456.3 %



MAT 6525

Hydrogen Production
Cross Section

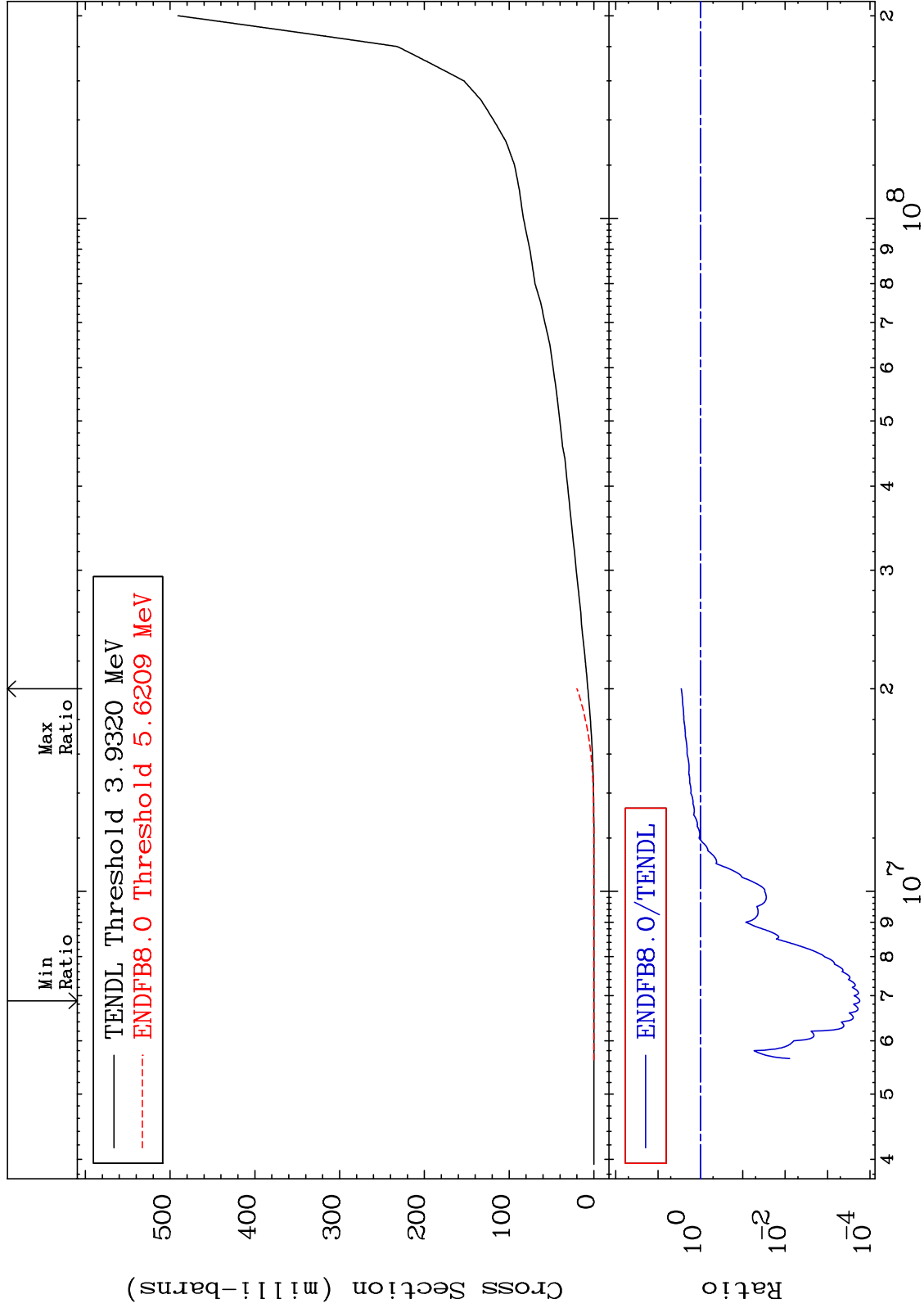
65-Tb-159
-100.0 To 10.70 %



MAT 6525

Deuterium Production
Cross Section

65-Tb-159
-99.98 To 182.7 %

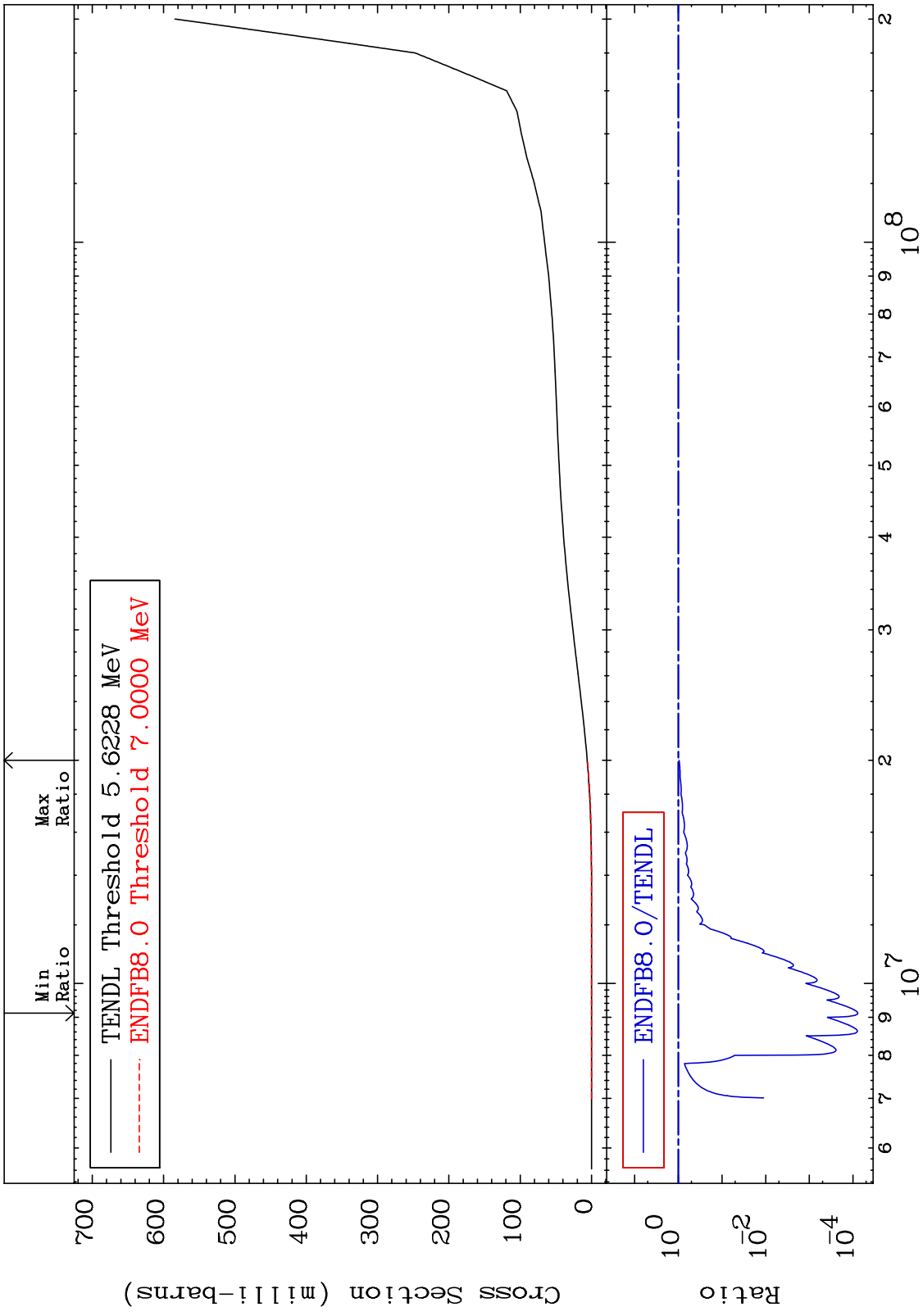


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Incident Energy (eV)

65-Tb-159

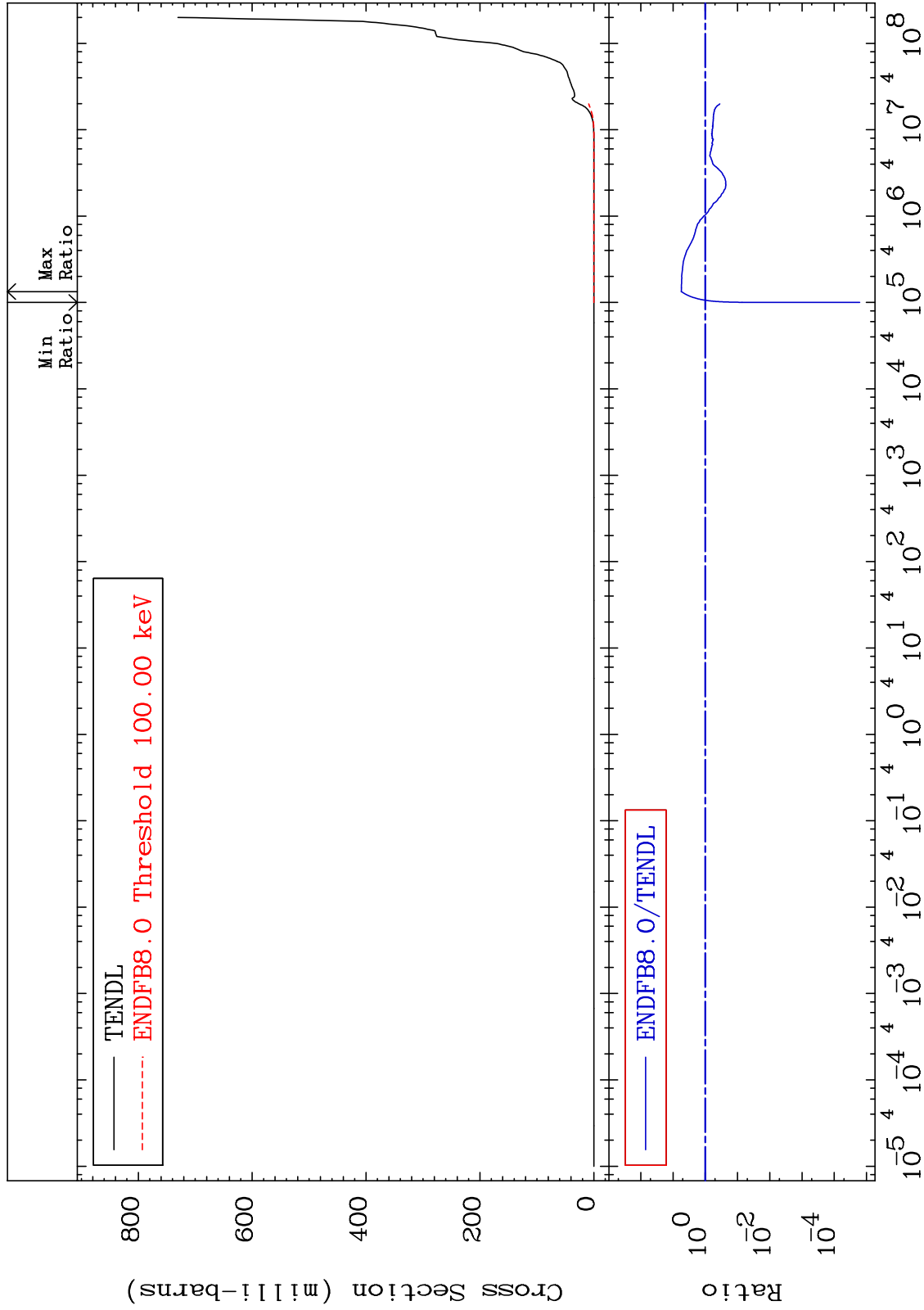
MAT 6525 Tritium Production Cross Section 65-Tb-159 -99.99 To -3.808%



MAT 6525

He-4 Production
Cross Section

65-Tb-159
-100.0 To 456.3 %

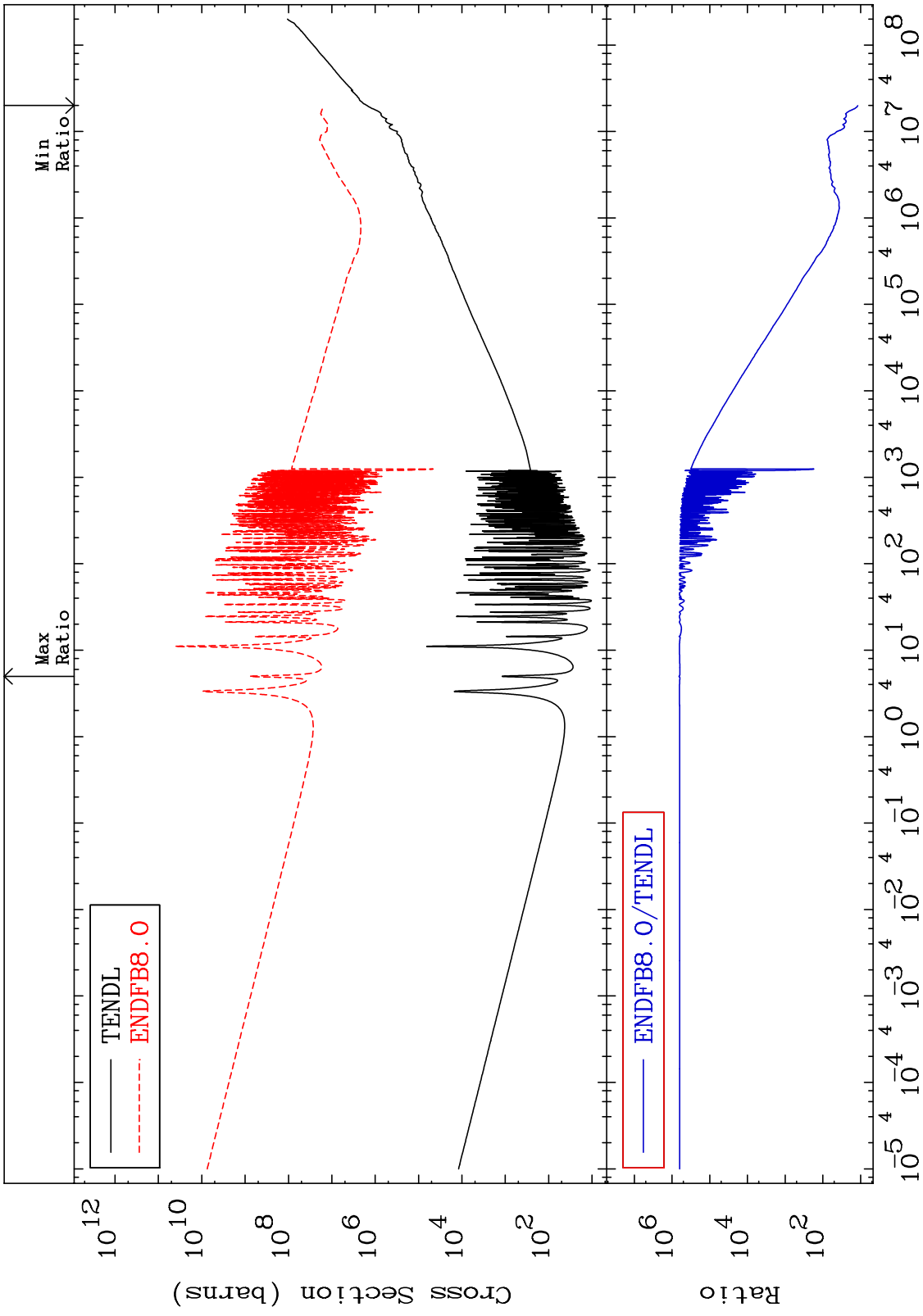


41

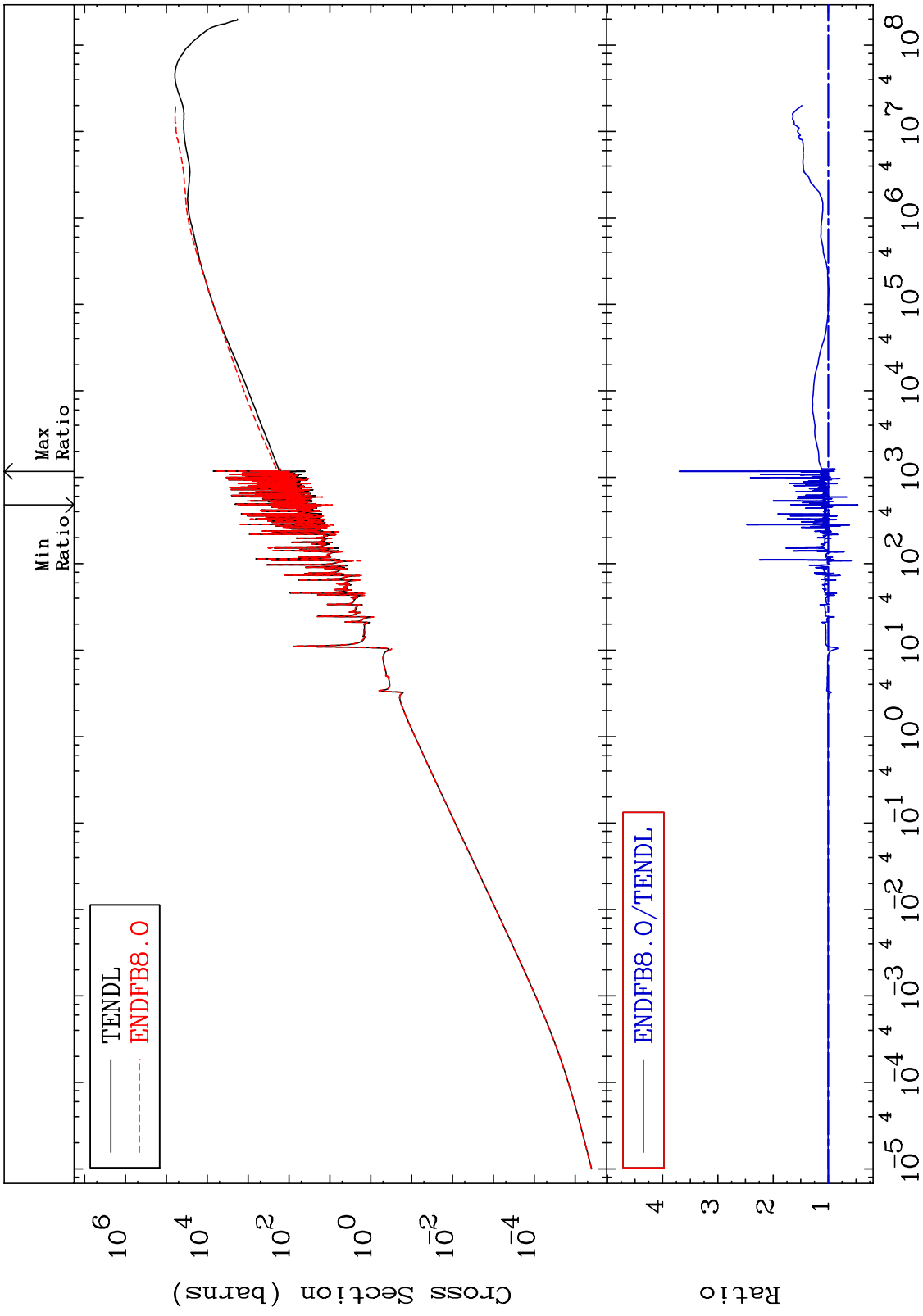
Incident Energy (eV)

65-Tb-159

MAT 6525 Kerma total (eV-barns) Cross Section 65-Tb-159
 1083. To 9999. %

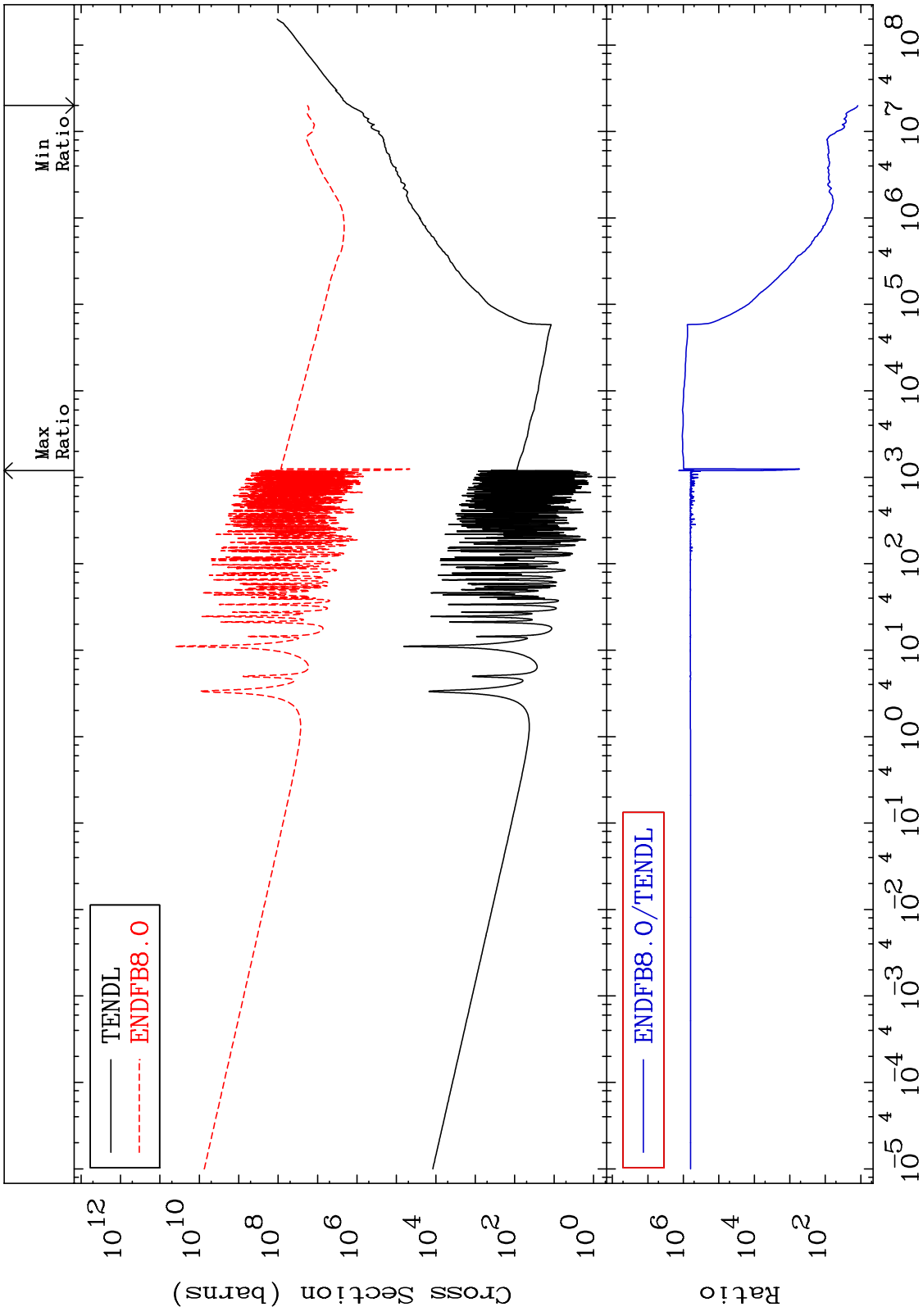


MAT 6525 65-Tb-159
-53.41 To 270.3 %
 Kerma elastic Cross Section

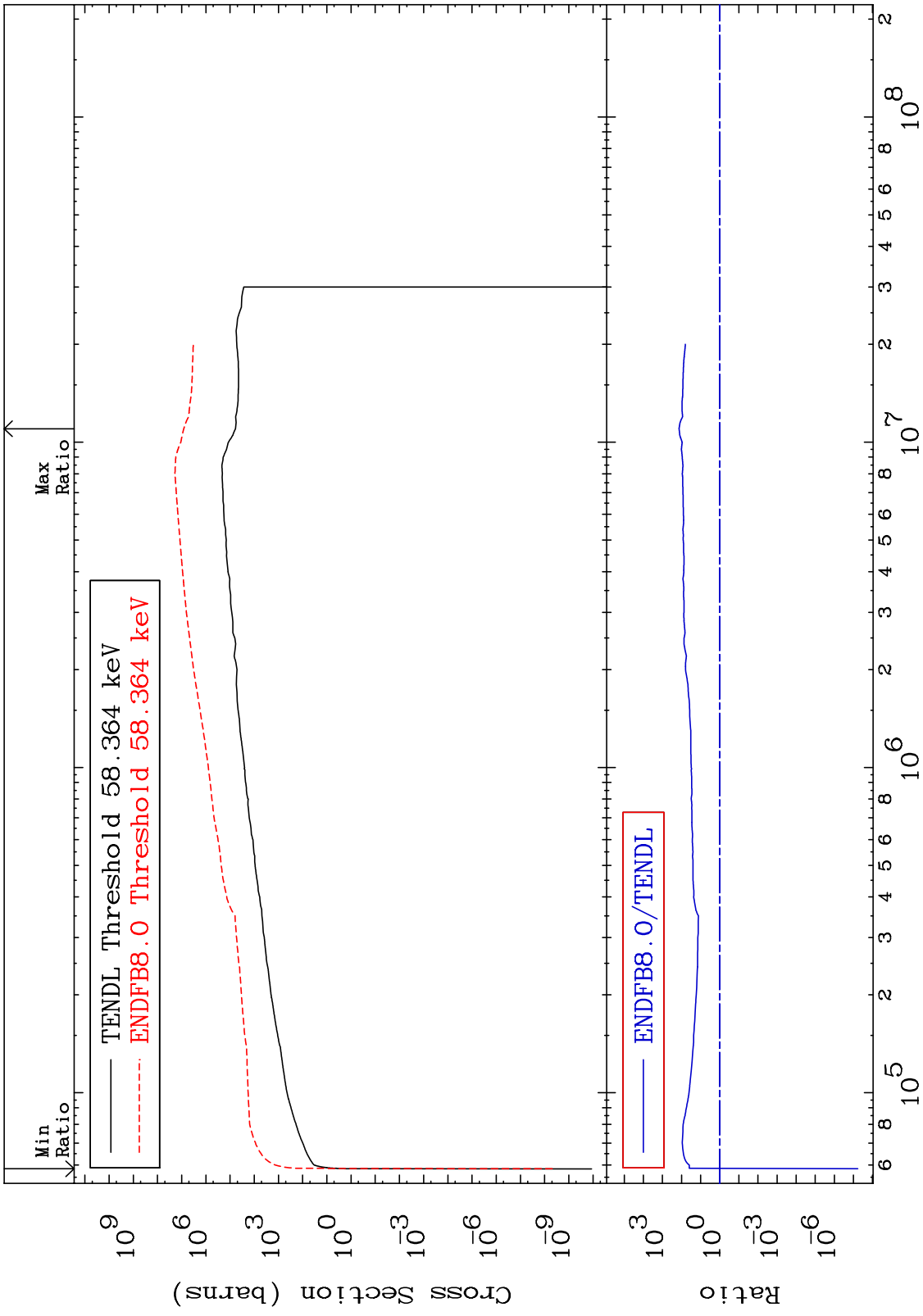


43 65-Tb-159

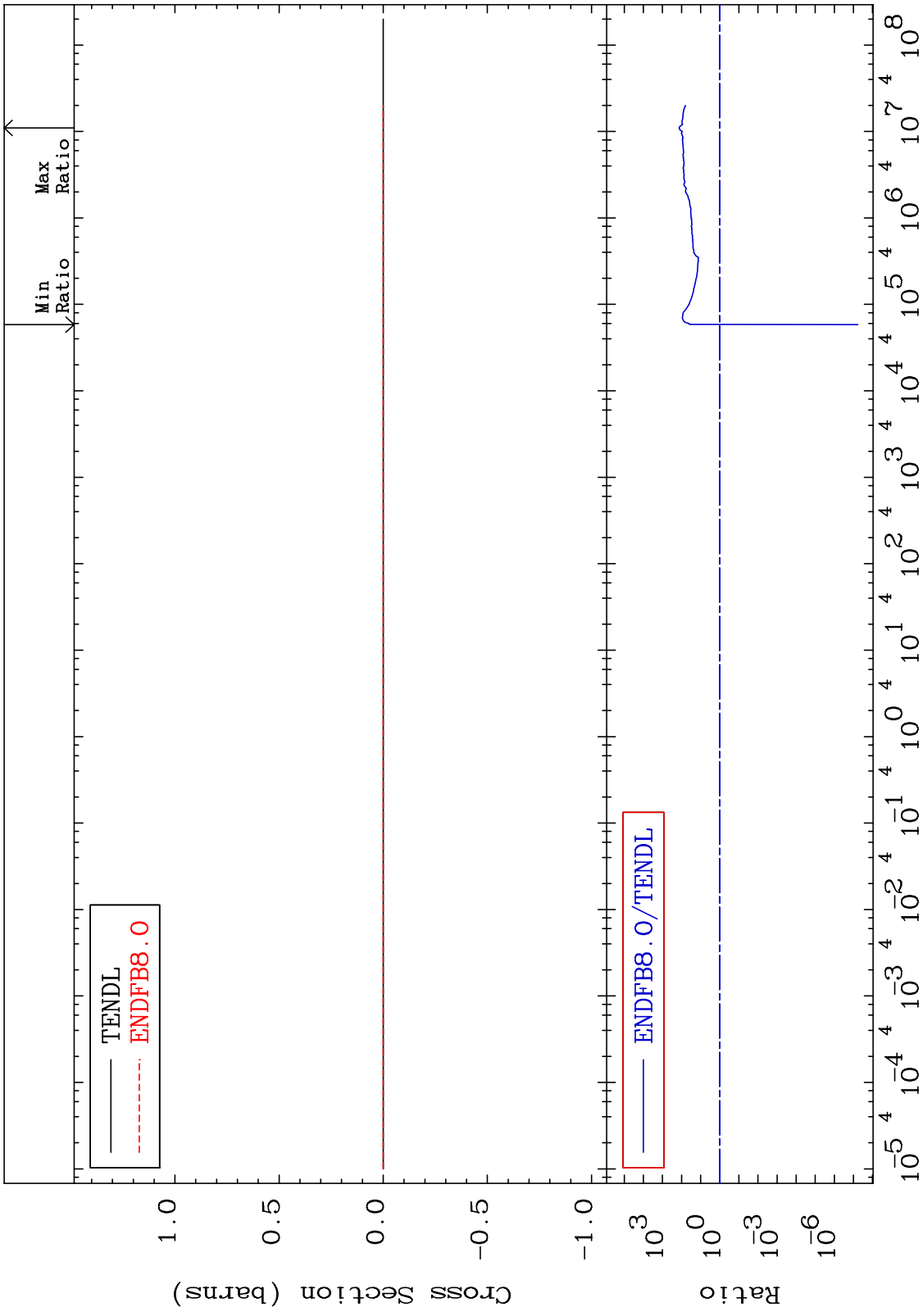
MAT 6525 Kerma non-elastic (all but mt2) 65-Tb-159
 Cross Section 1111. To 9999. %



MAT 6525 Kerma inelastic (mt51-91) 65-Tb-159
 -100.0 To 9999. %



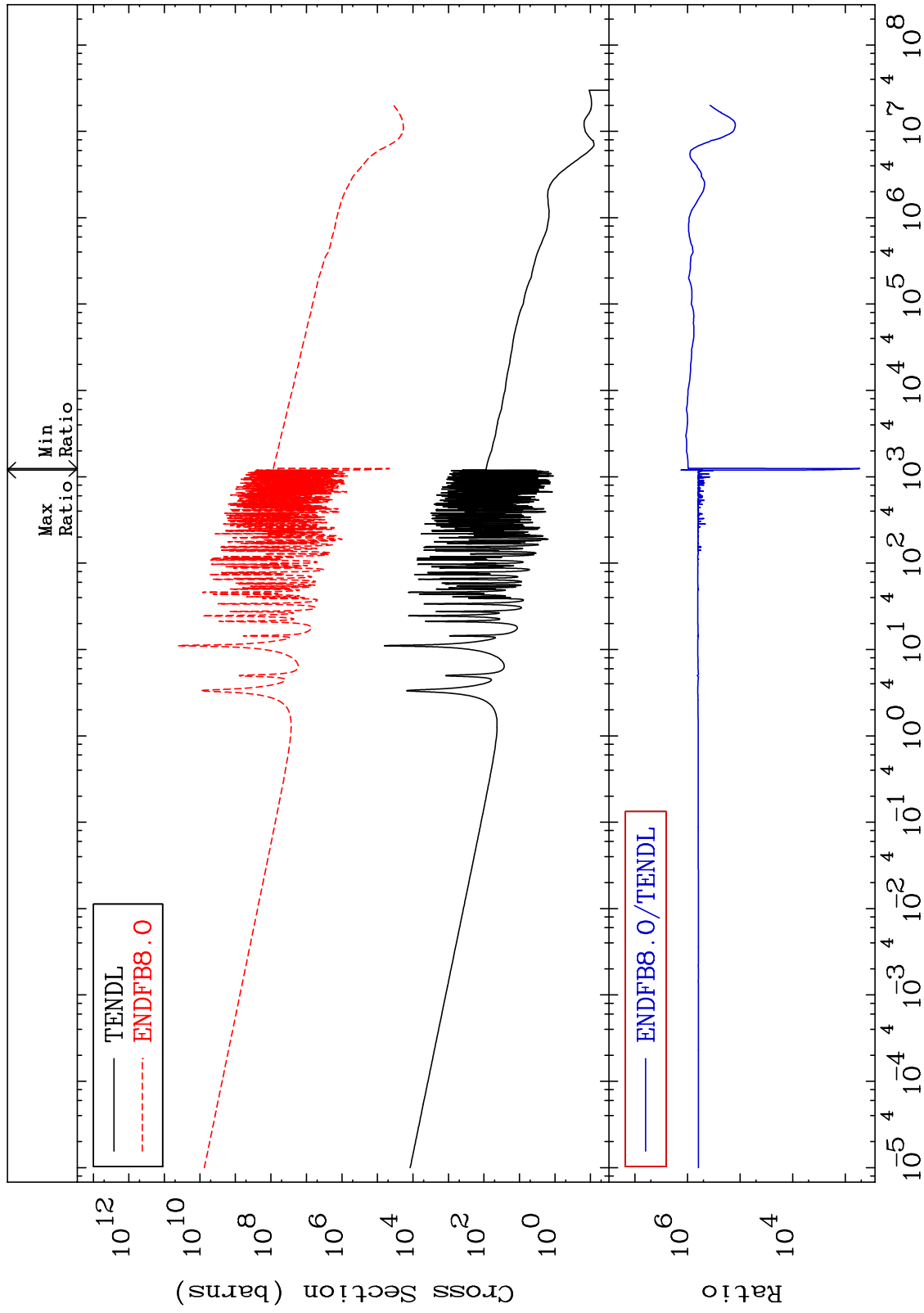
MAT 6525 Kerma fission (mt18 or mt19-20-21-38) 65-Tb-159
 Cross Section -100.0 To 9999. %



MAT 6525

Kerma capture (mt102)
Cross Section

65-Tb-159
9999. To 9999. %



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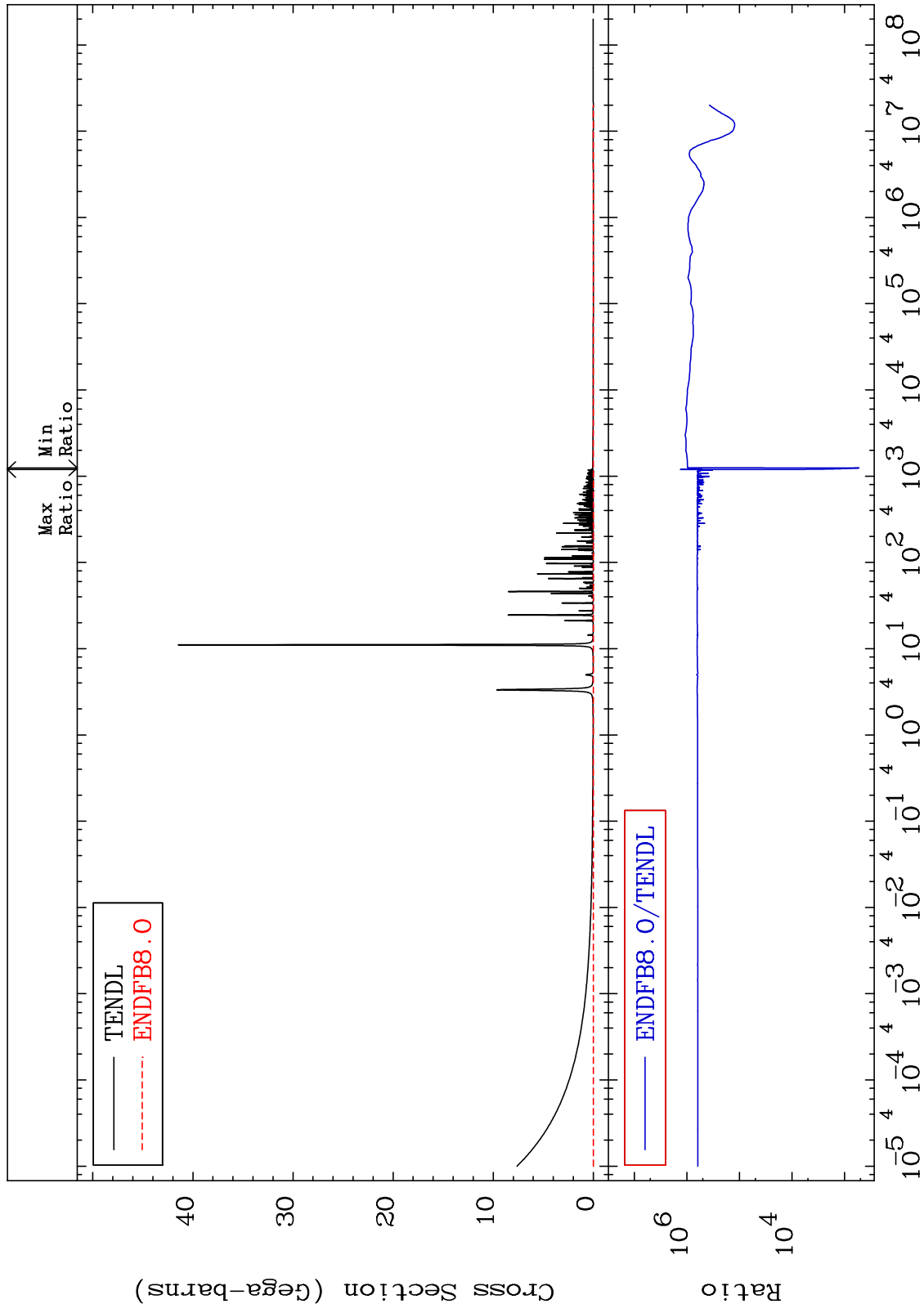
Incident Energy (eV)

65-Tb-159

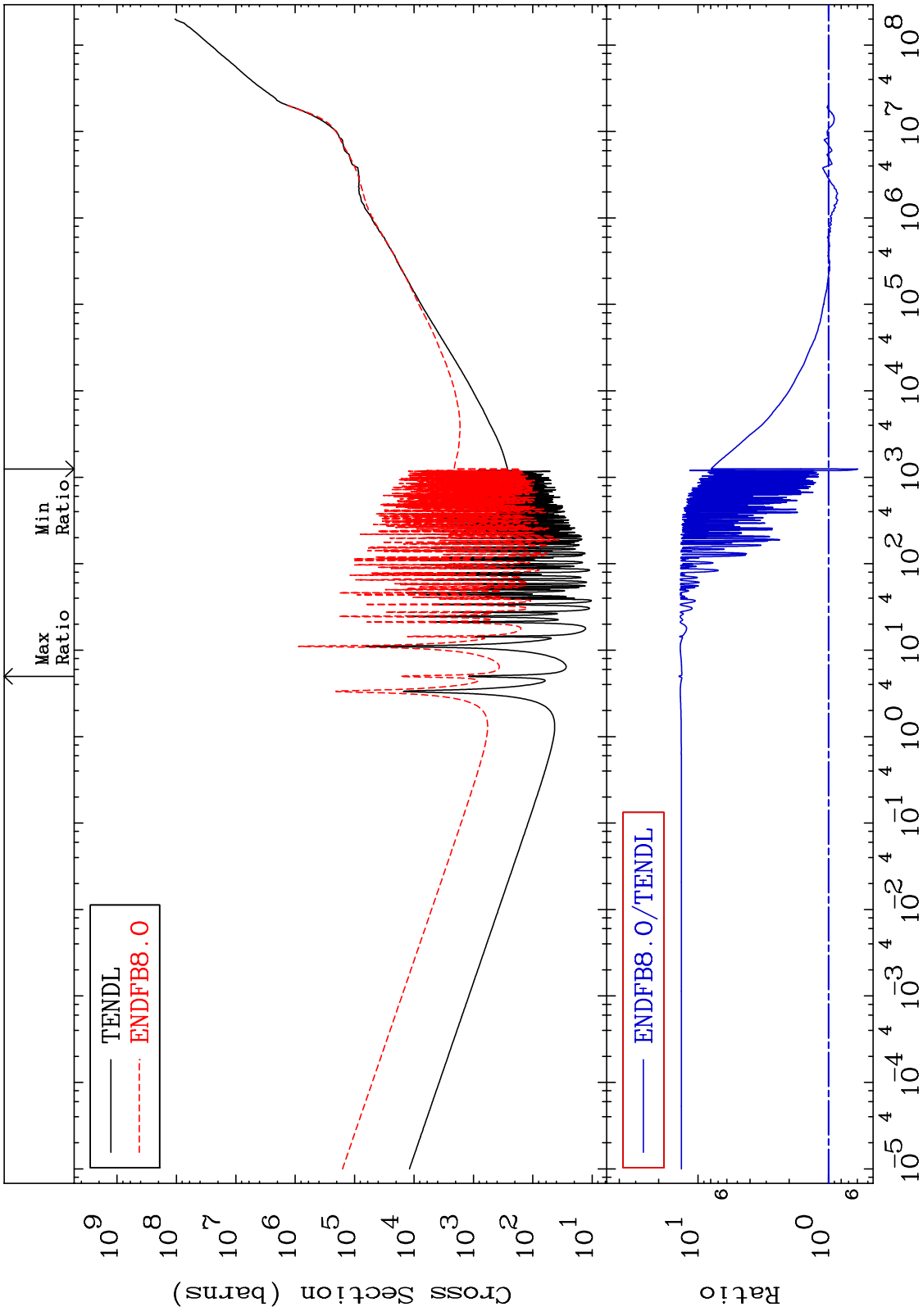
MAT 6525

Total photon (eV-barns)
Cross Section

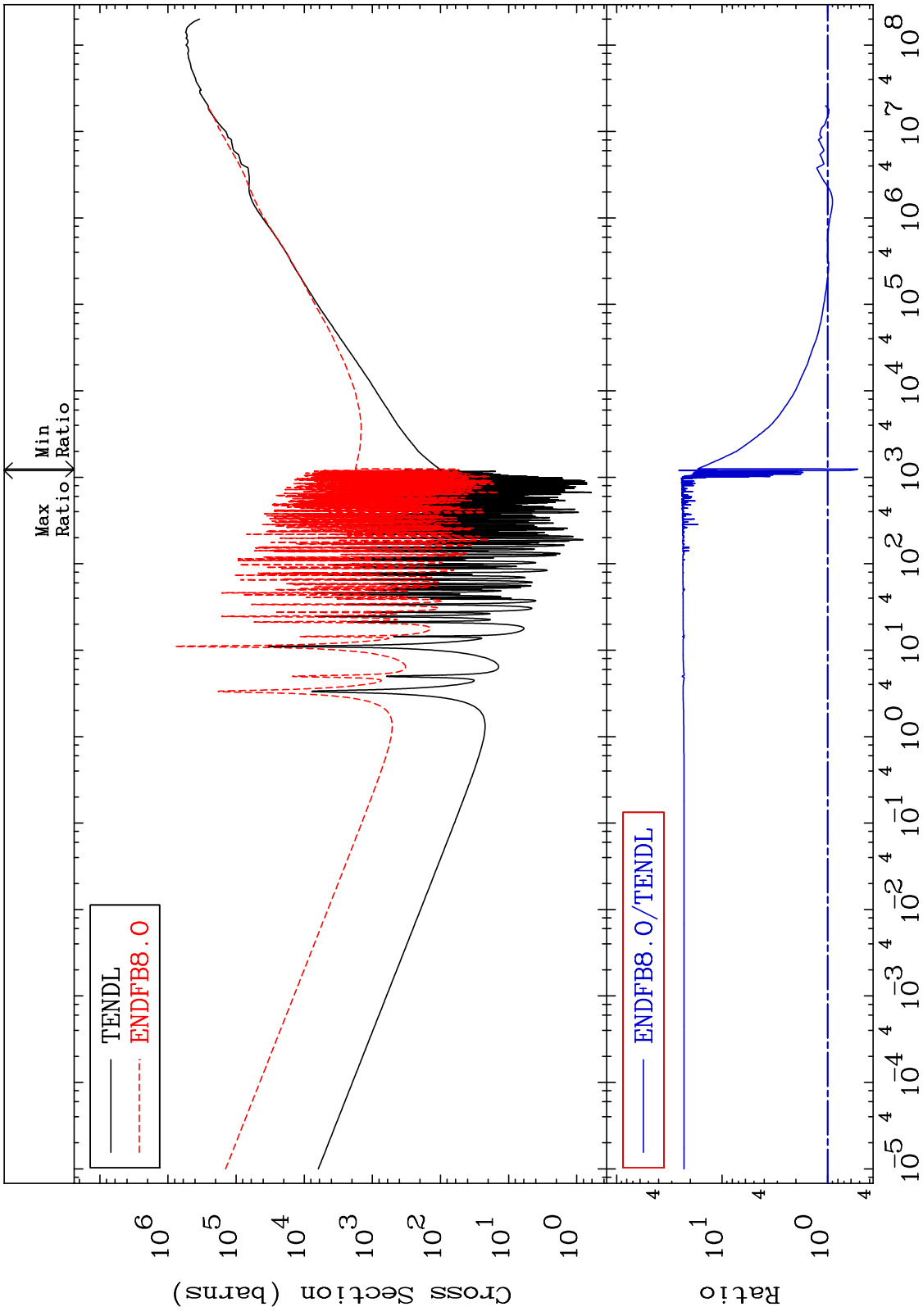
65-Tb-159
9999. To 9999. %



MAT 6525 Total kinematic kerma (high limit) 65-Tb-159
 Cross Section -40.41 To 1296. %

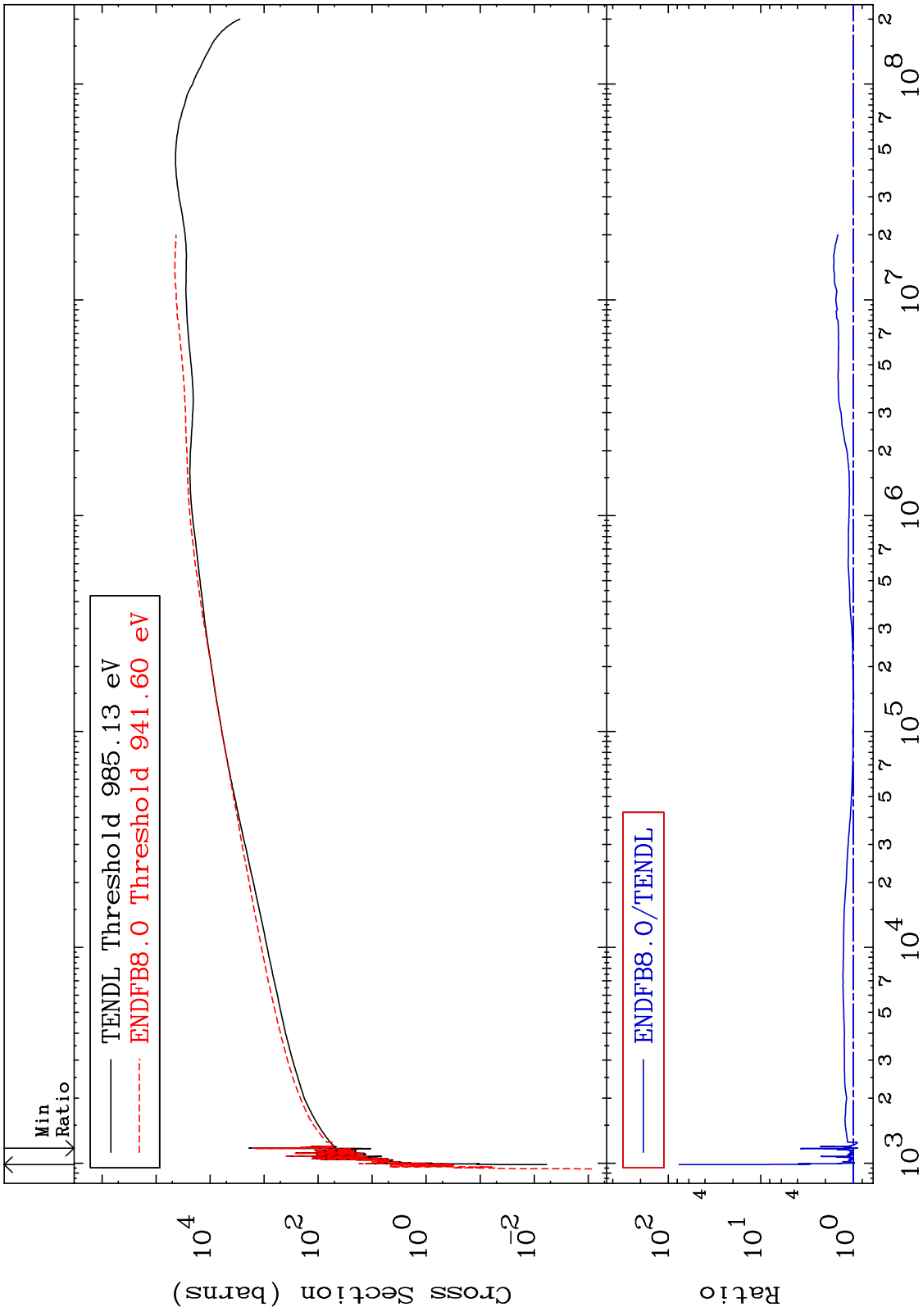


MAT 6525 Dpa total (eV-barns) 65-Tb-159
 -48.22 To 2459. %
 Cross Section

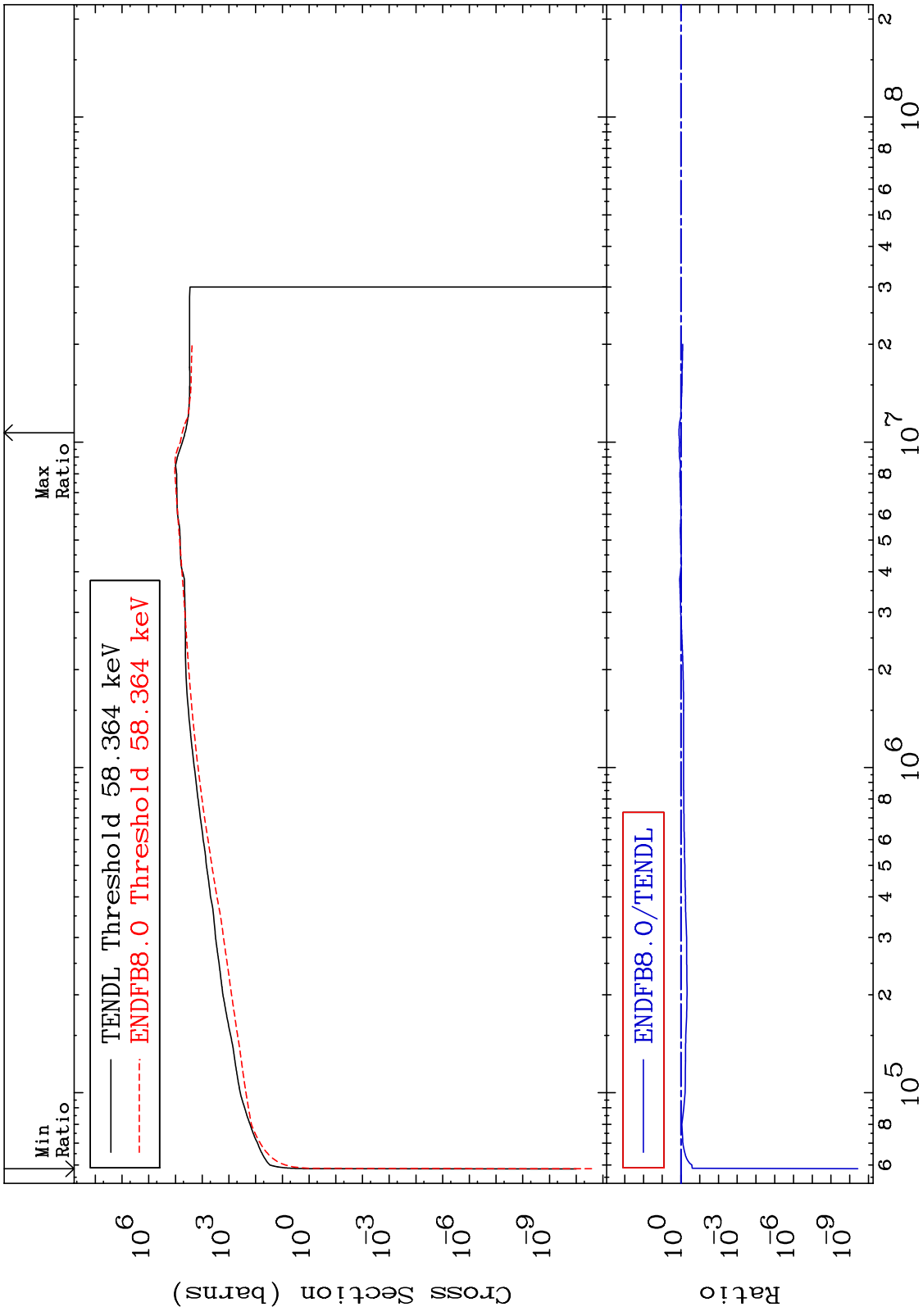


50 Incident Energy (eV) 65-Tb-159

MAT 6525 Dpa elastic (mt2) 65-Tb-159
 Cross Section -10.99 To 7554. %



MAT 6525 Dpa inelastic (mt51-91) 65-Tb-159
 Cross Section -100.0 To 26.99 %



MAT 6525 Dpa disappearance (mt102 -120) 65-Tb-159
 Cross Section -97.94 To 9999. %

