

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

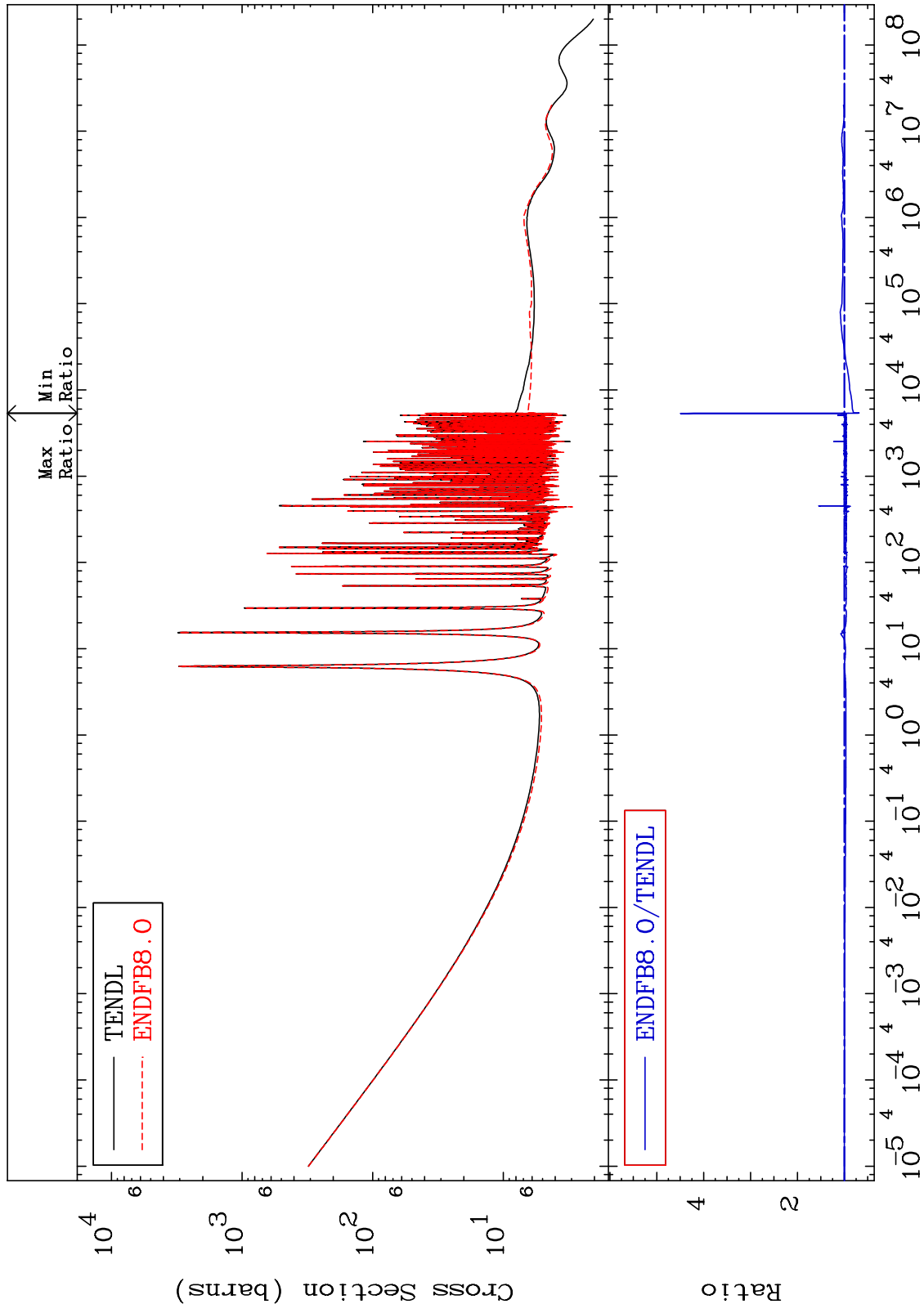
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5125

Total  
Cross Section

51-Sb-121  
-31.35 To 349.0 %



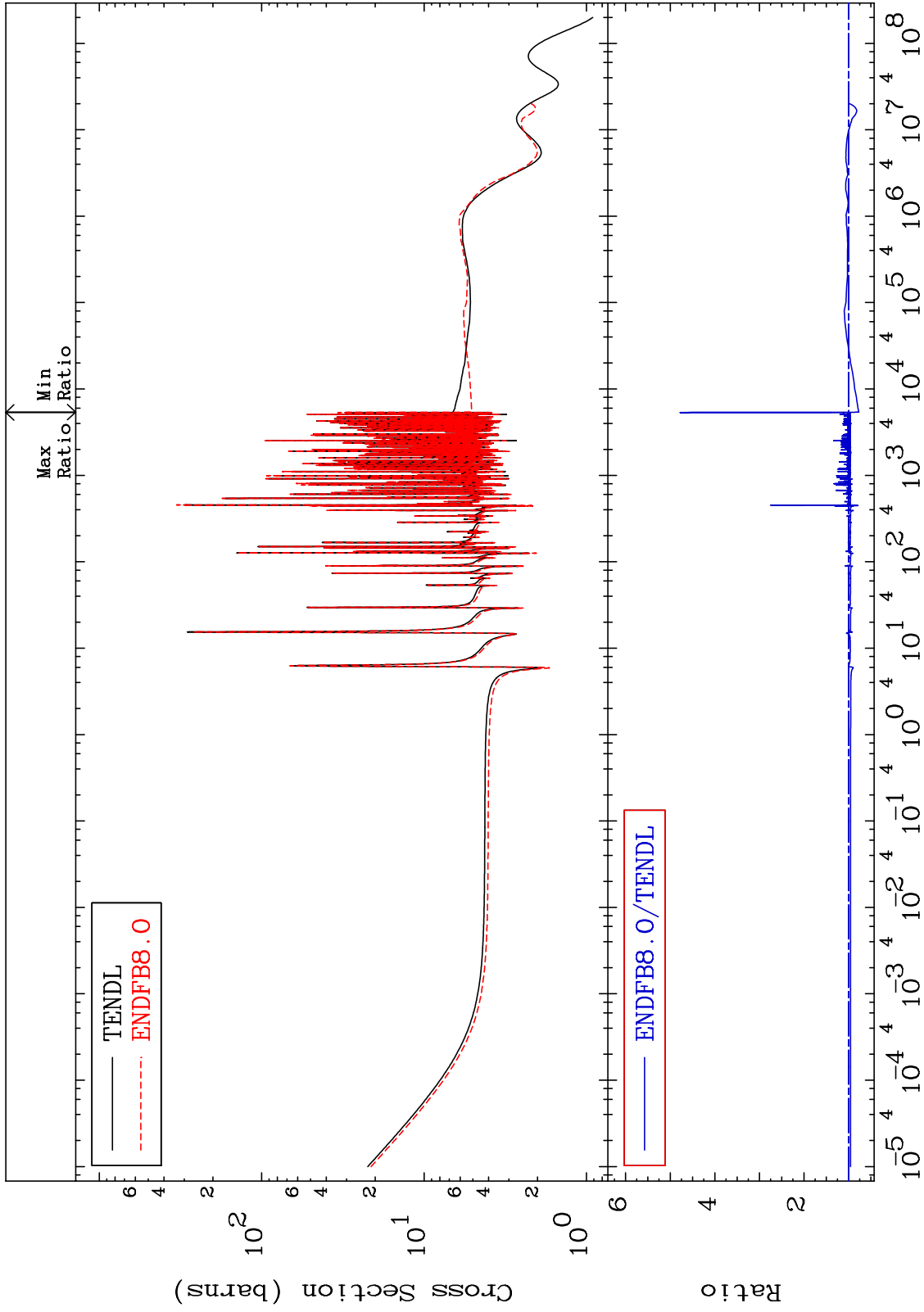
Incident Energy (eV)

51-Sb-121

MAT 5125

Elastic  
Cross Section

51-Sb-121  
-23.17 To 377.6 %

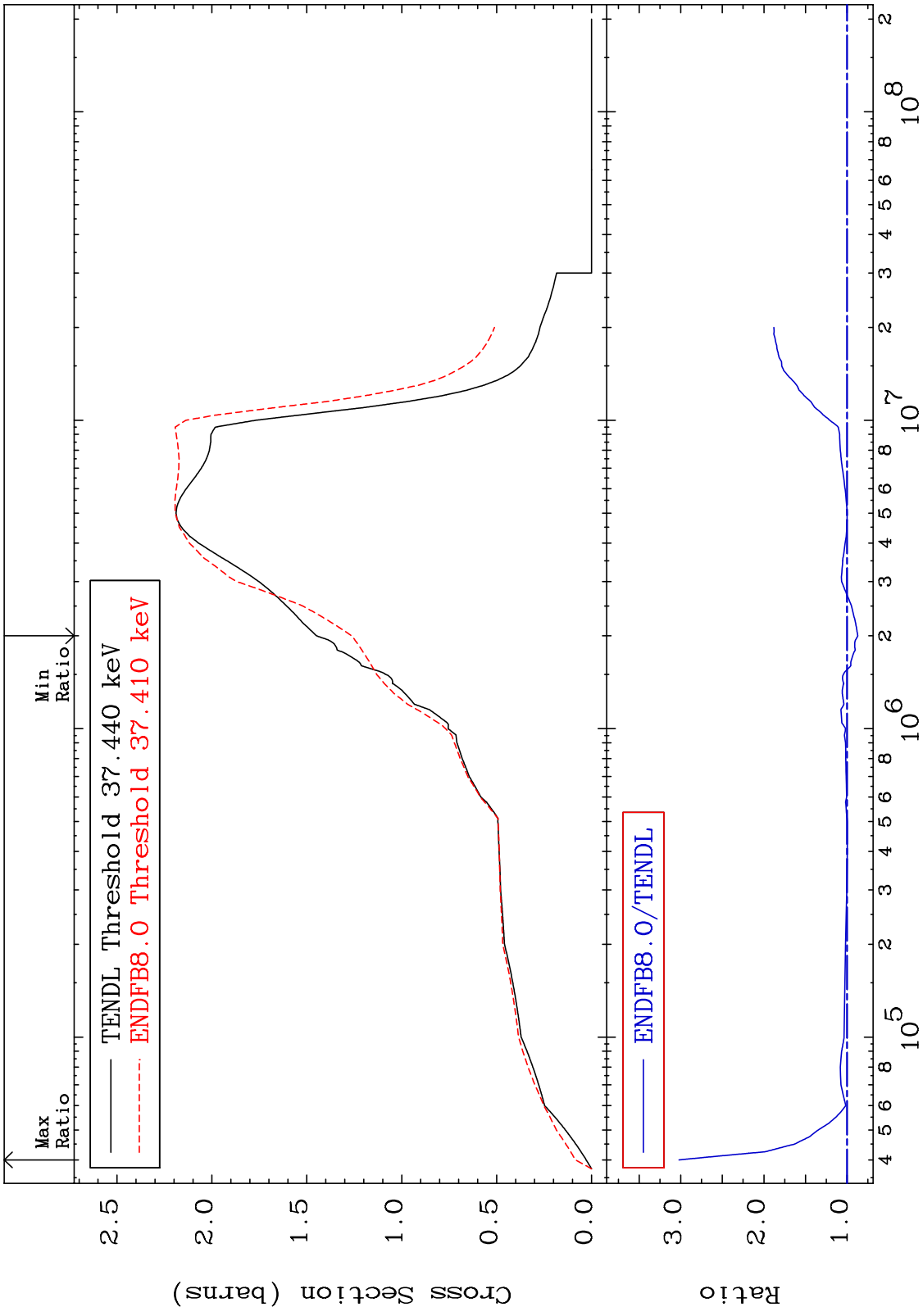


2

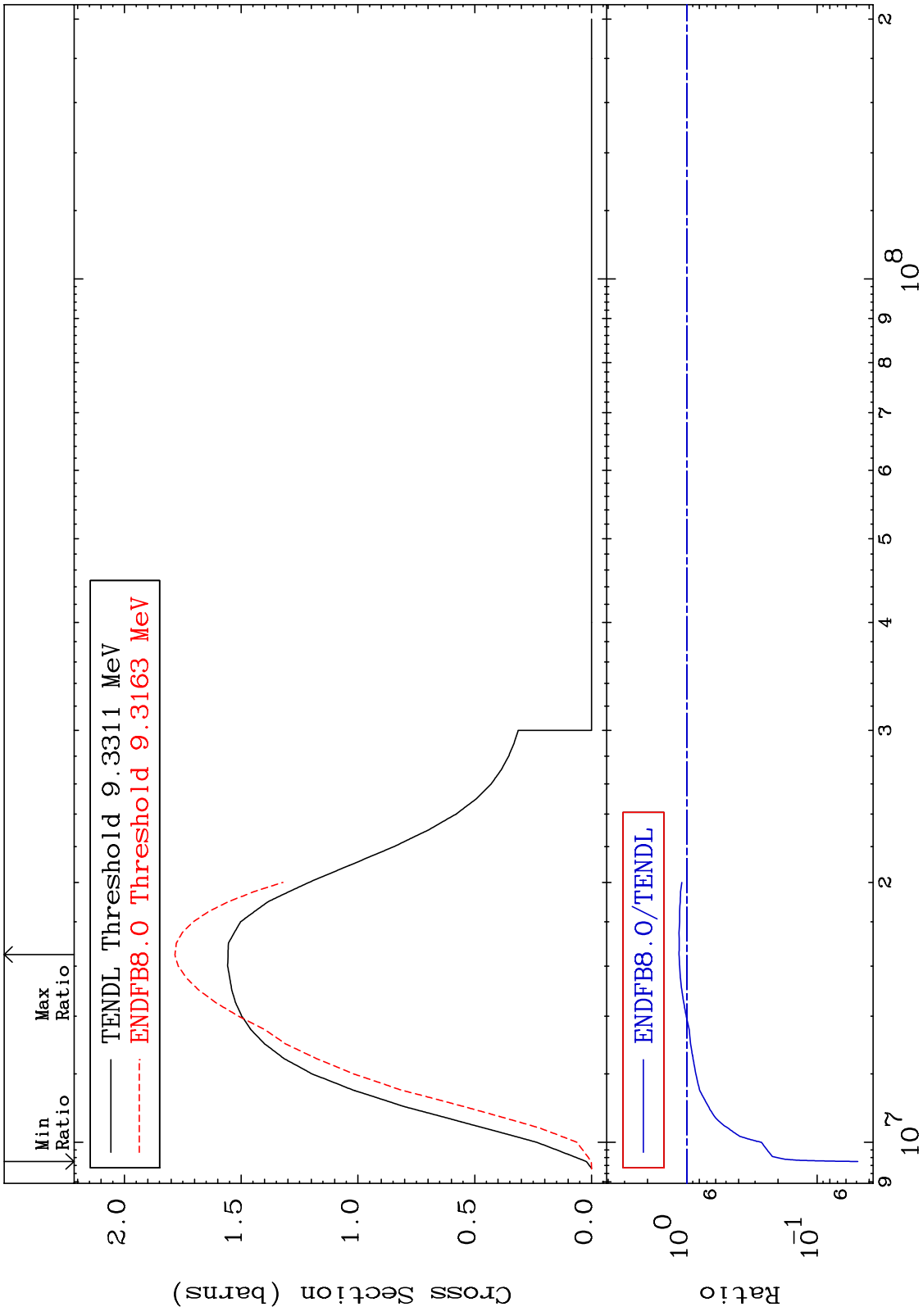
Incident Energy (eV)

51-Sb-121

MAT 5125 Inelastic Cross Section 51-Sb-121 -12.87 To 202.0 %

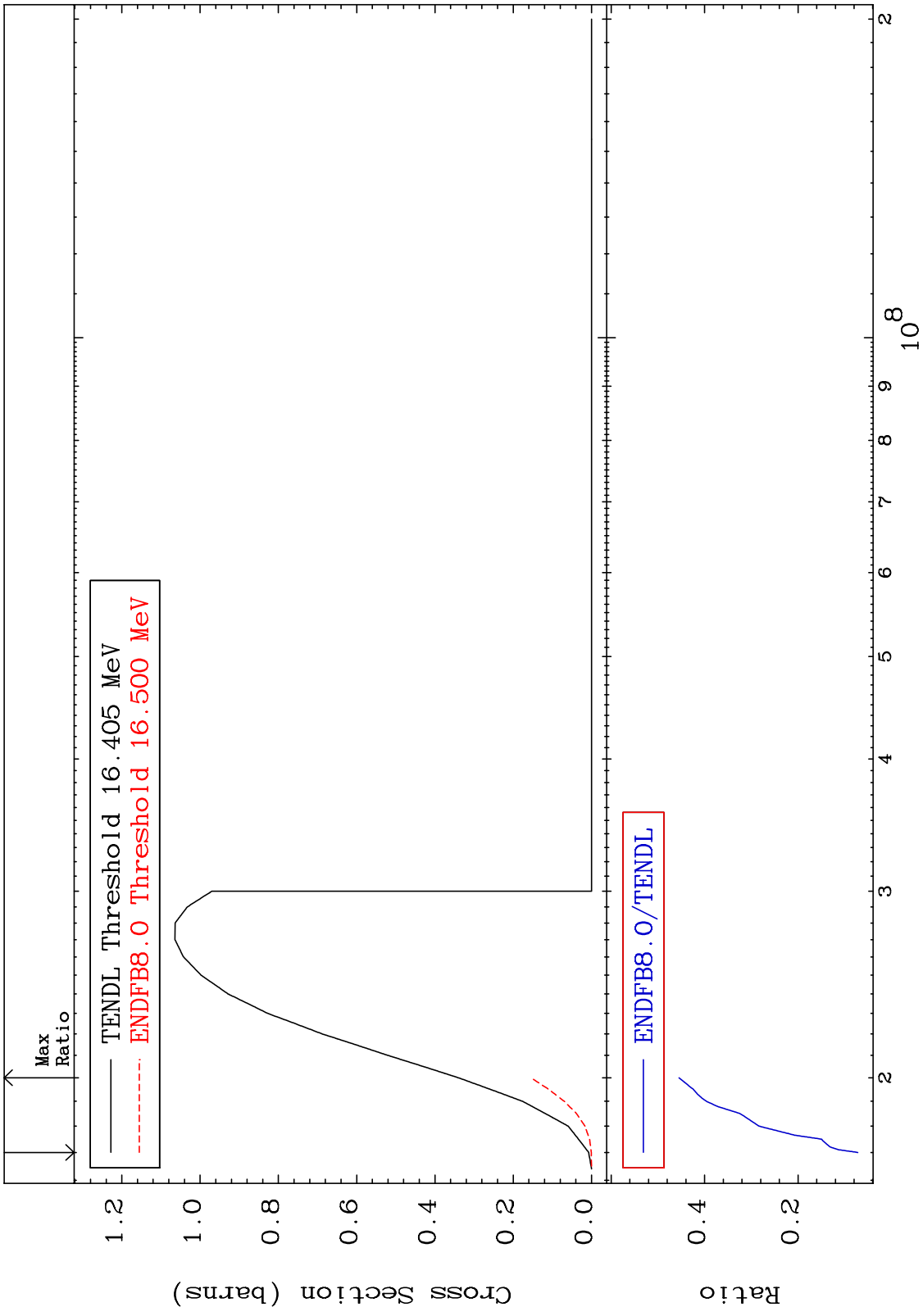


MAT 5125 51-Sb-121  
-95.12 To 14.60 %  
(n,2n)  
Cross Section



Incident Energy (eV) 51-Sb-121

MAT 5125 (n,3n) Cross Section 51-Sb-121 -92.80 To -54.53%



MAT 5125

(n, n')  $\alpha$

51-Sb-121

-86.76 To -74.52%

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 3.1079 MeV  
ENDFB8.0 Threshold 16.000 MeV

Cross Section (milli-barns)

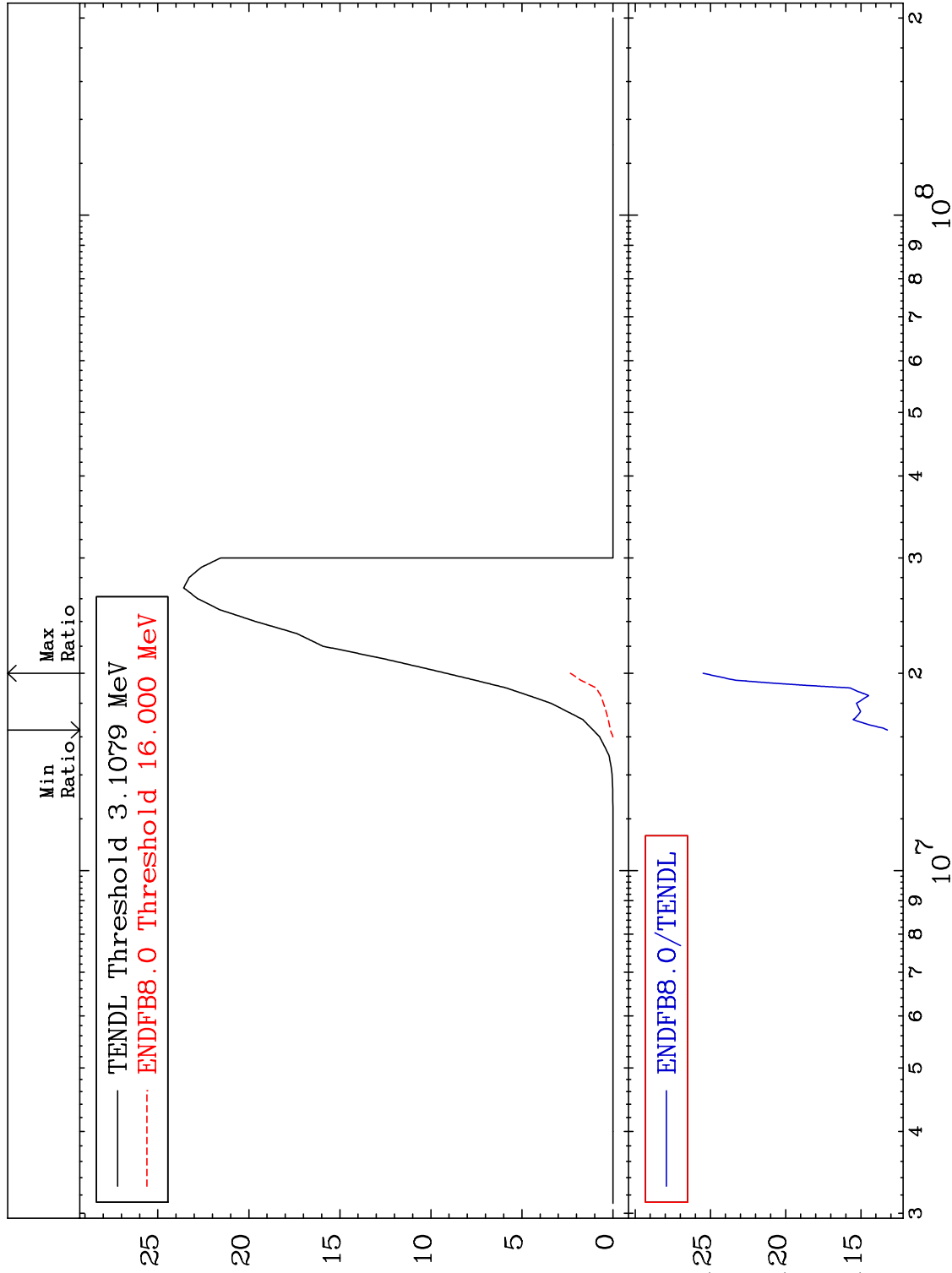
ENDFB8.0/TENDL

Ratio

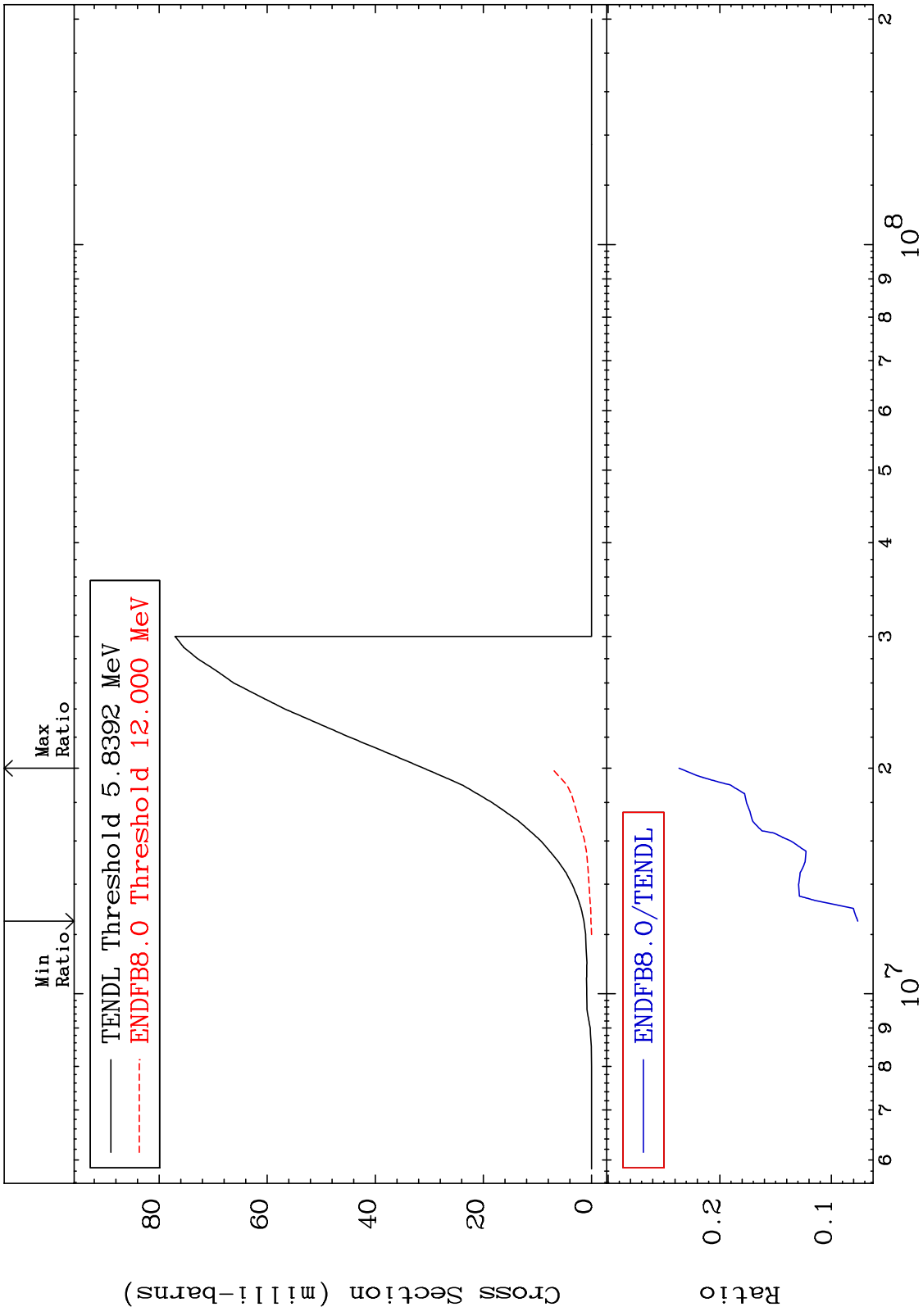
6

Incident Energy (eV)

51-Sb-121



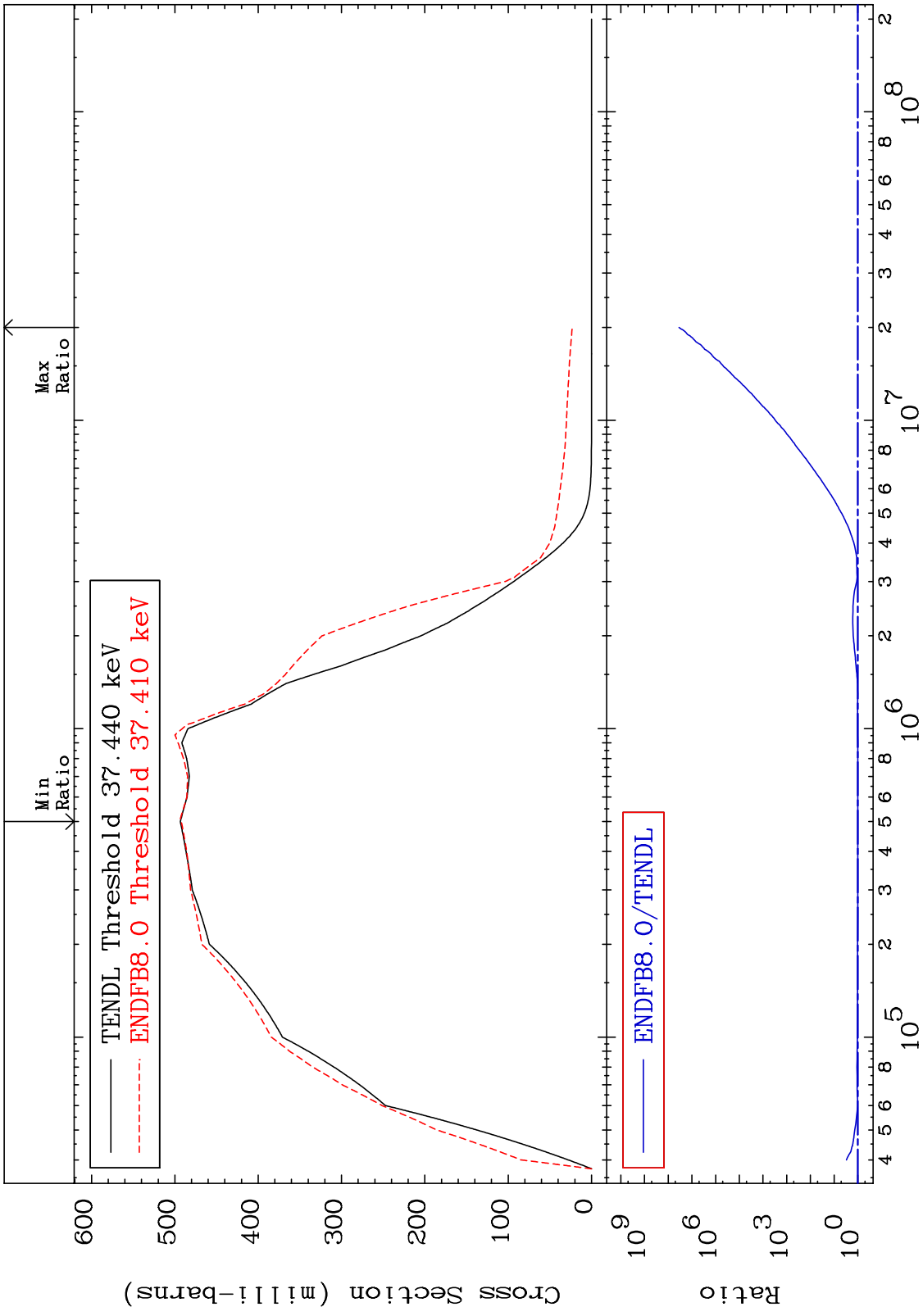
MAT 5125  $(n, n')$  p Cross Section  $^{51}\text{Sb-121}$   $-92.38 \text{ To } -76.35\%$



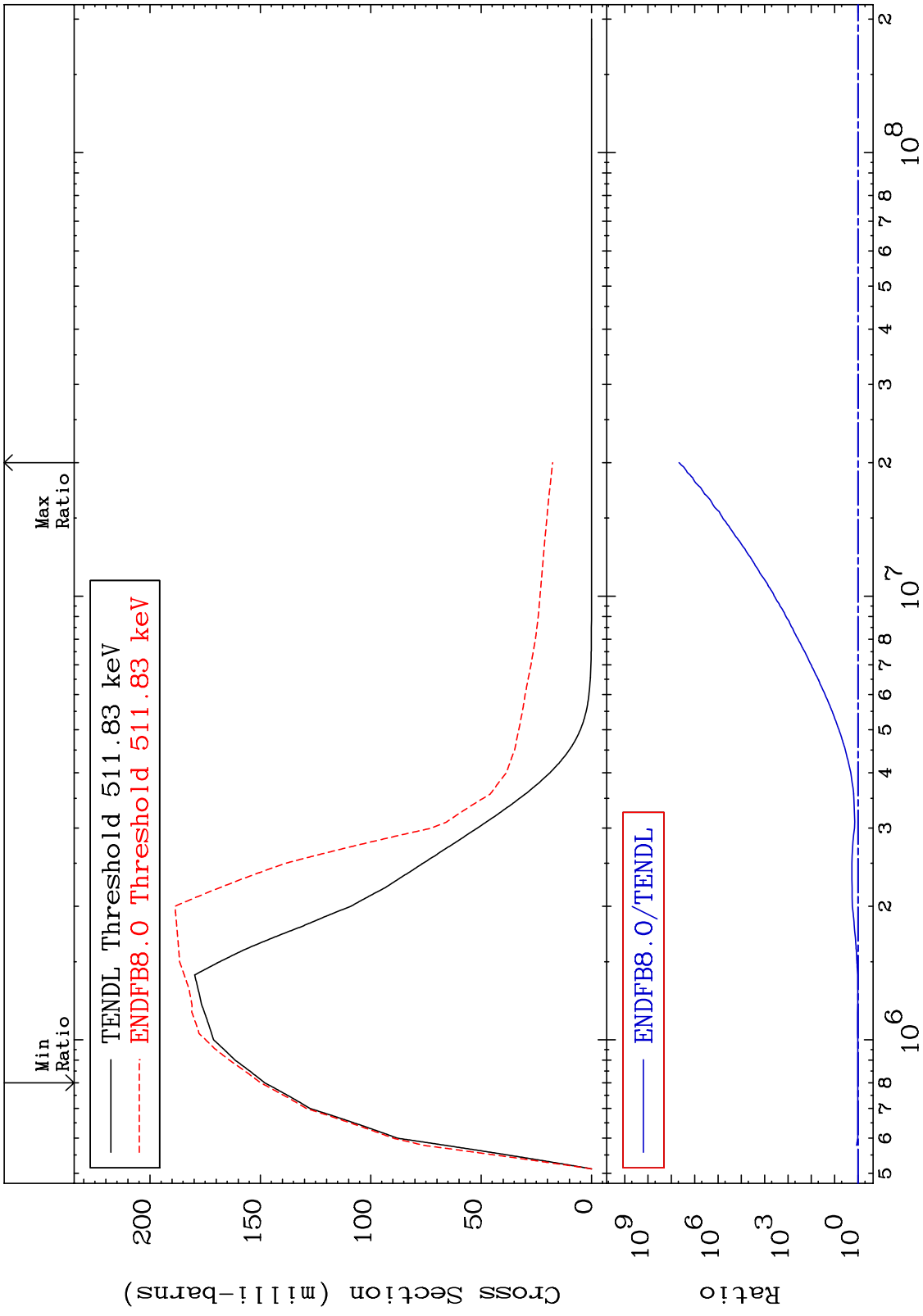
7 6 7 8 9 10<sup>7</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 2 51-Sb-121



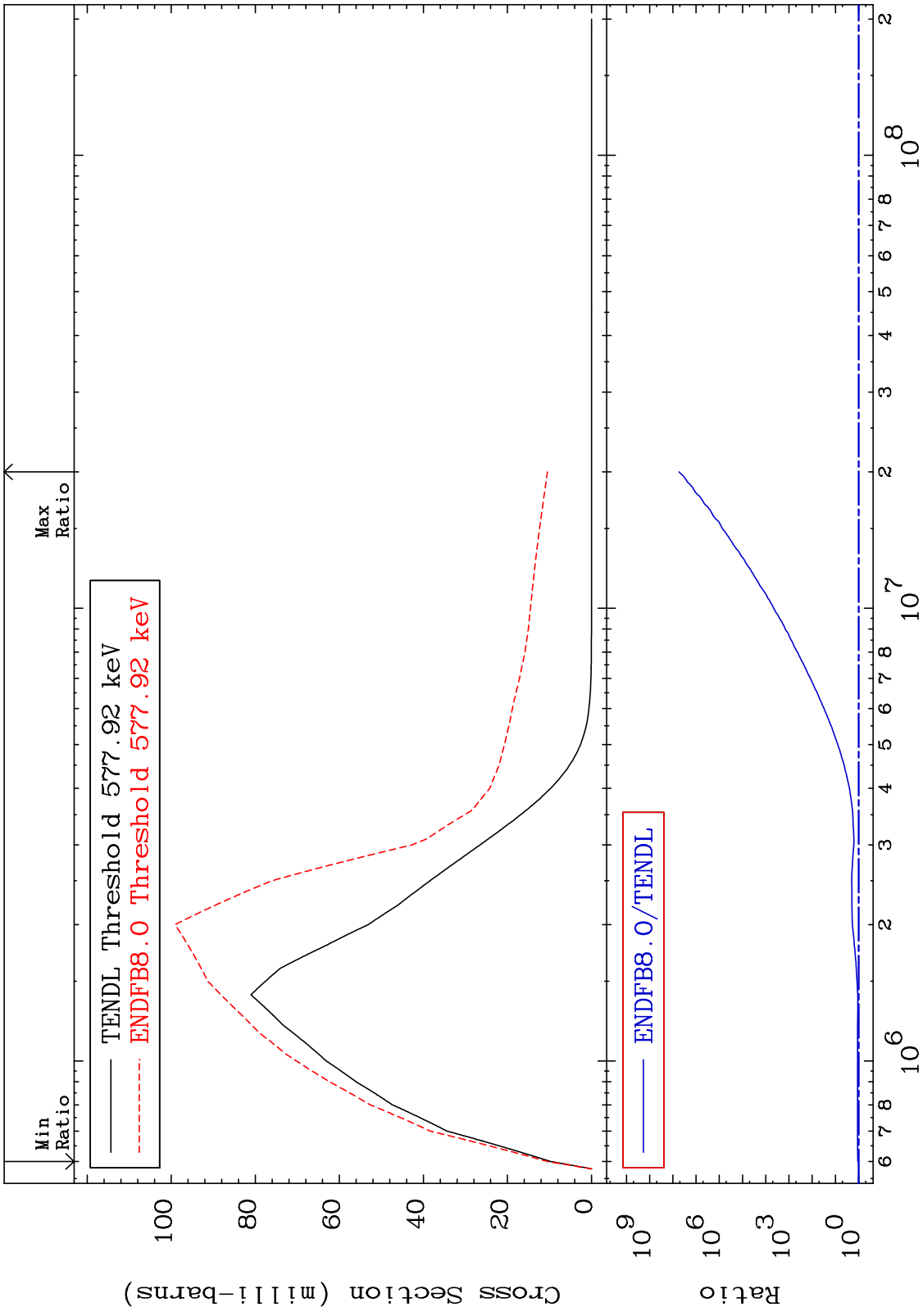
MAT 5125 MT= 51 (n,n') Level Cross Section 51-Sb-121 -0.230 To 9999. %



MAT 5125 MT= 52 (n,n') Level Cross Section 51-Sb-121 1.225 To 9999. %

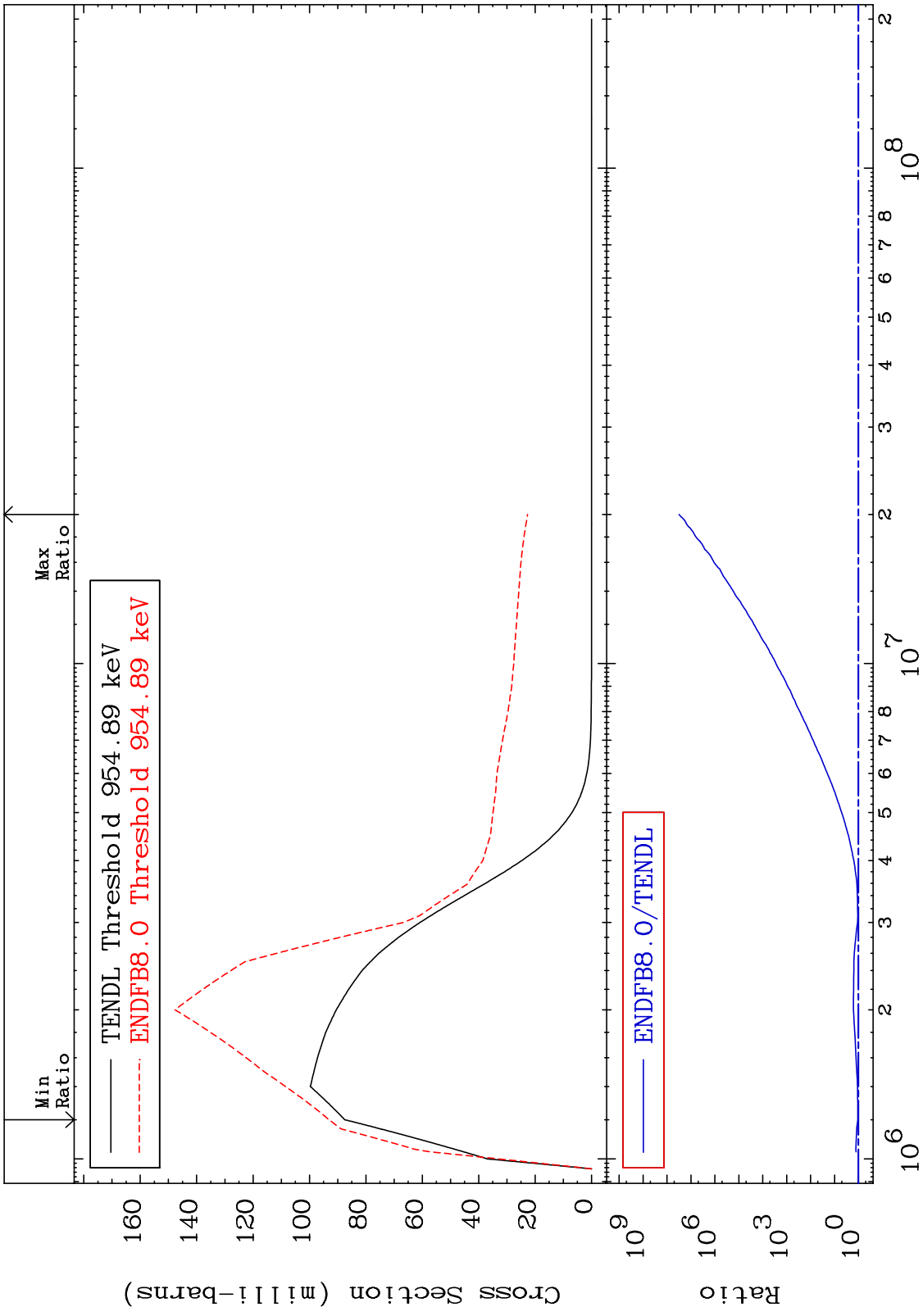


MAT 5125 MT= 53 (n,n') Level Cross Section 51-Sb-121 8.033 To 9999. %

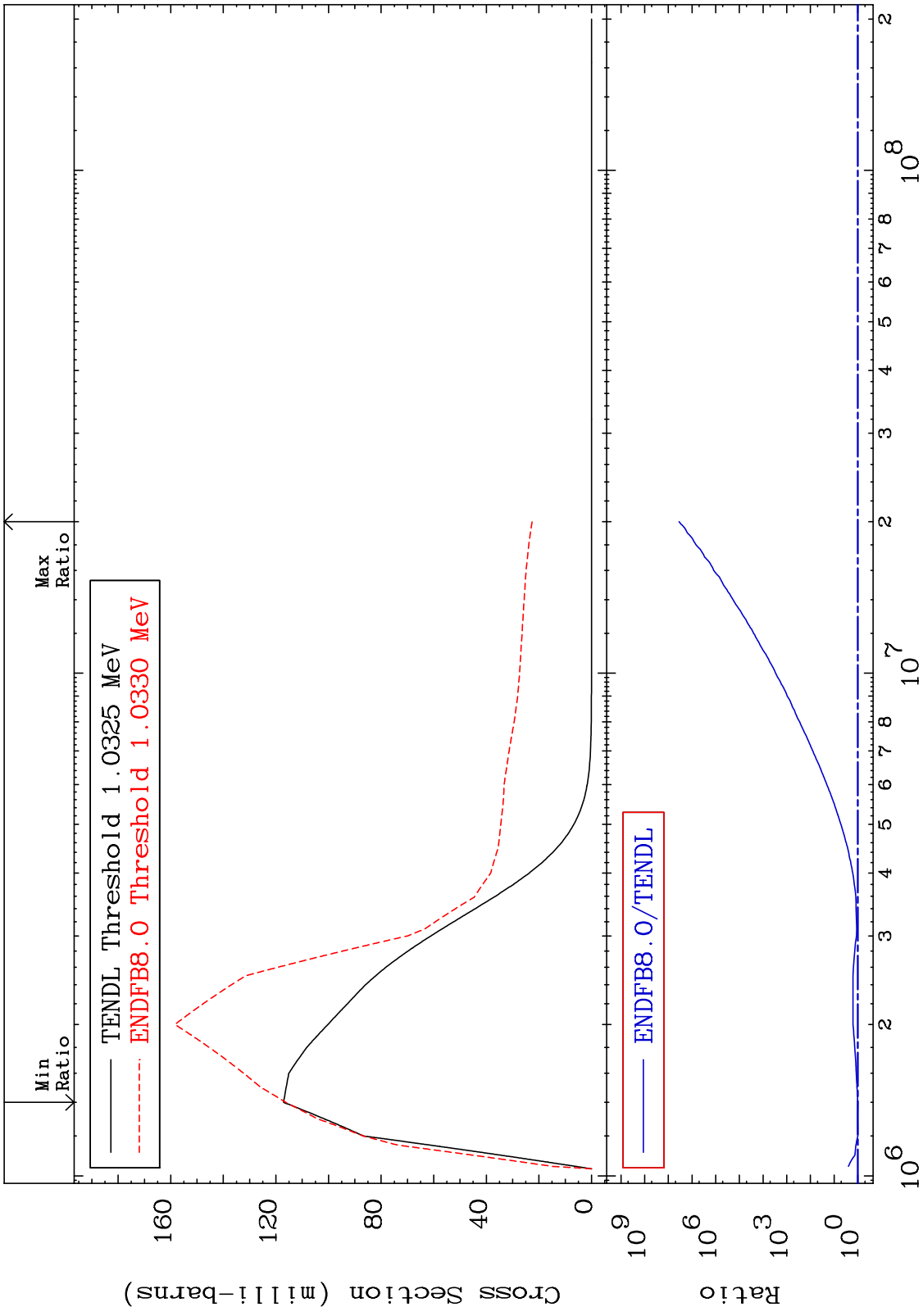


10 51-Sb-121

MAT 5125 MT= 54 (n,n') Level Cross Section 51-Sb-121 To 9999. %

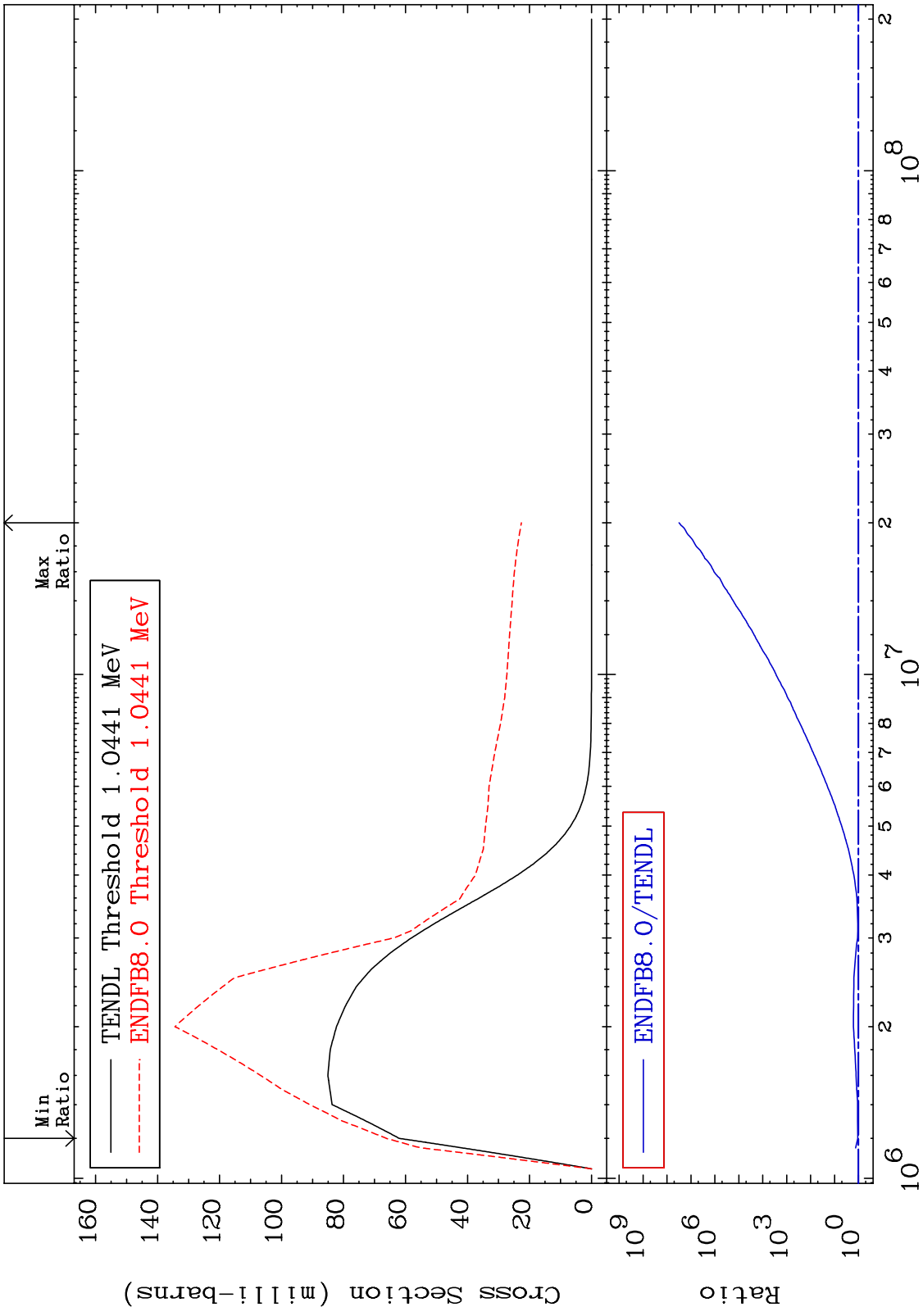


MAT 5125 MT= 55 (n,n') Level Cross Section 51-Sb-121 -0.682 To 9999. %



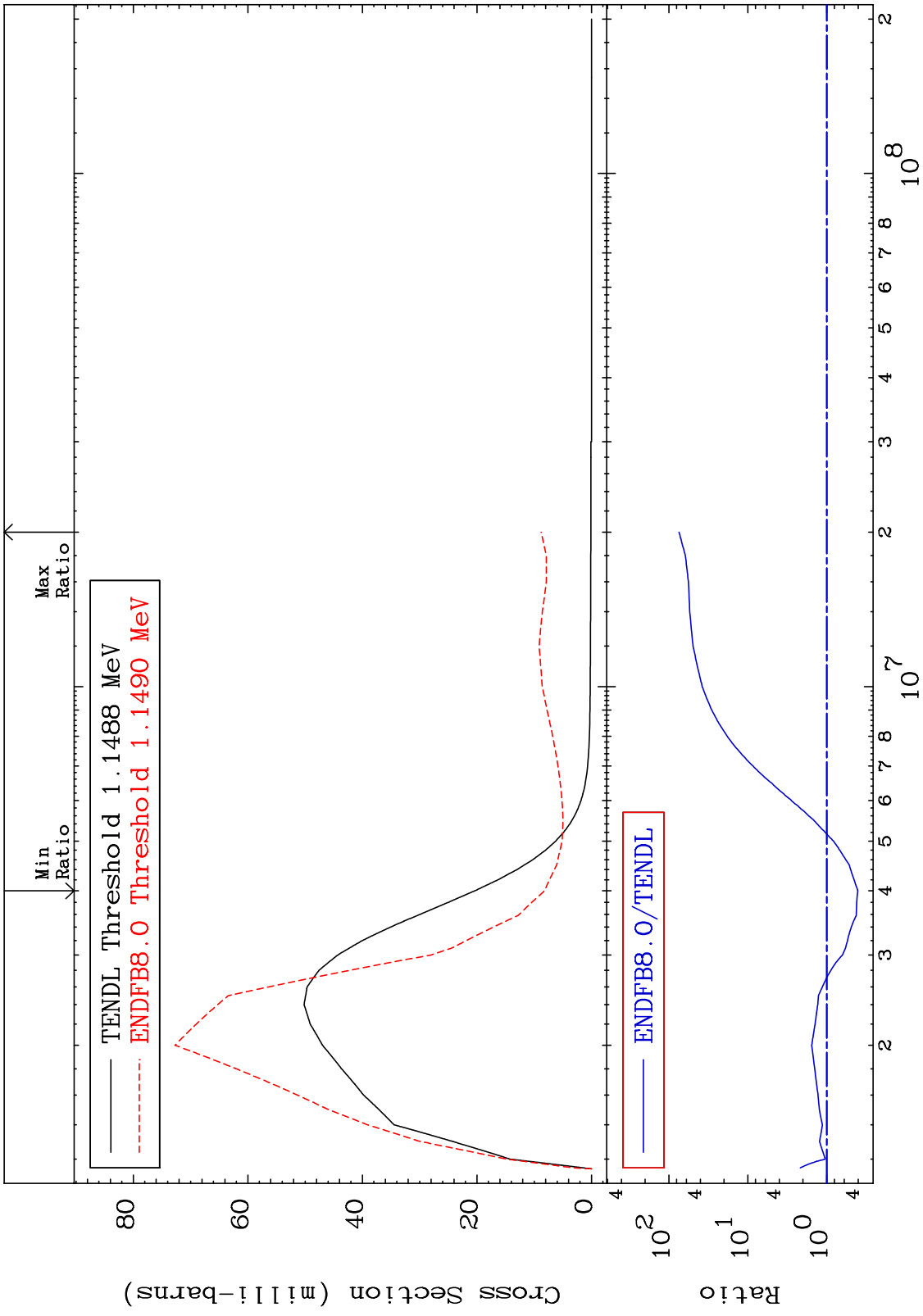
12 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 56 (n,n') Level Cross Section 51-Sb-121 To 9999. %  
 6.680

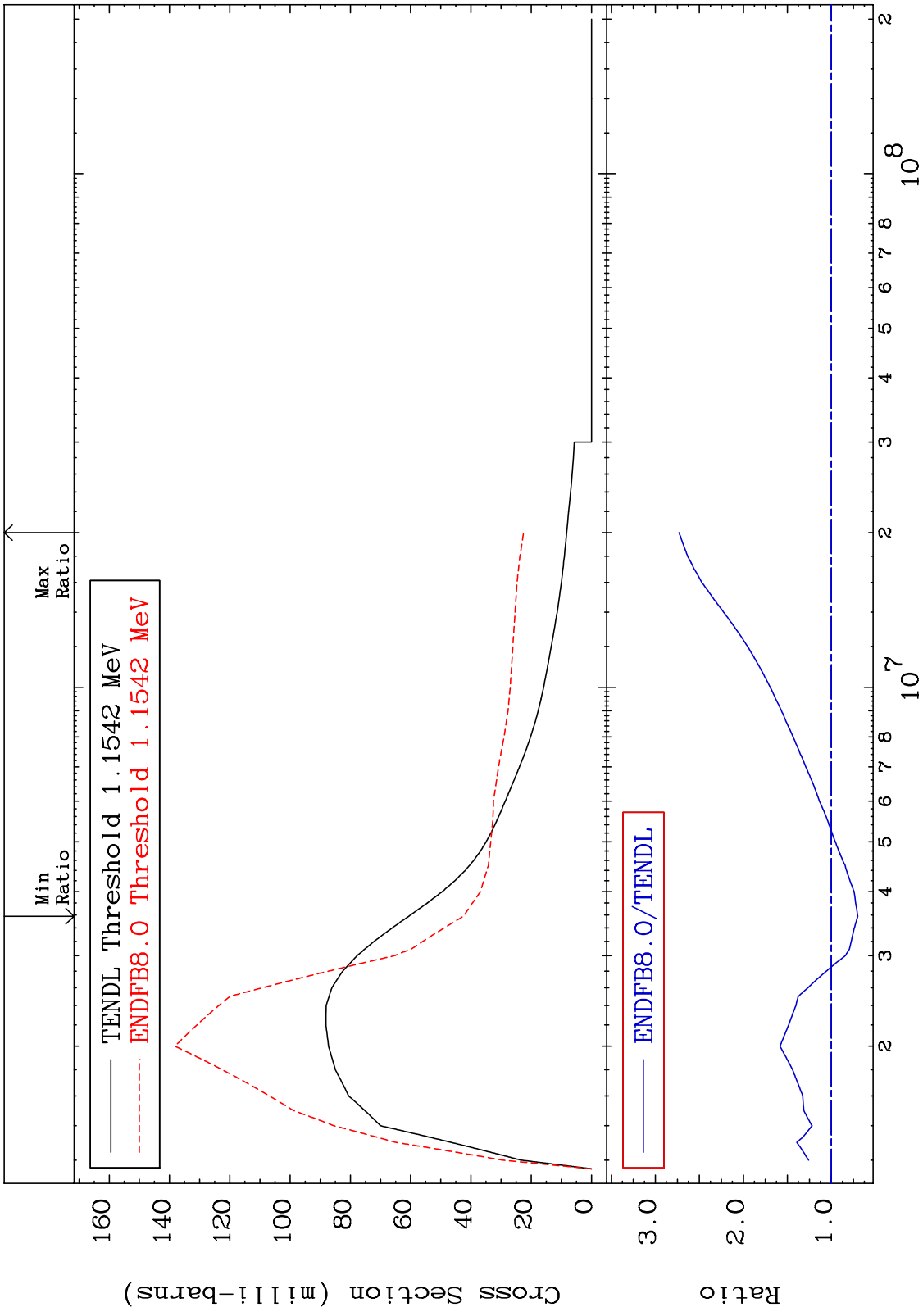


13 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 57 (n,n') Level Cross Section 51-Sb-121 -59.67 To 7344. %

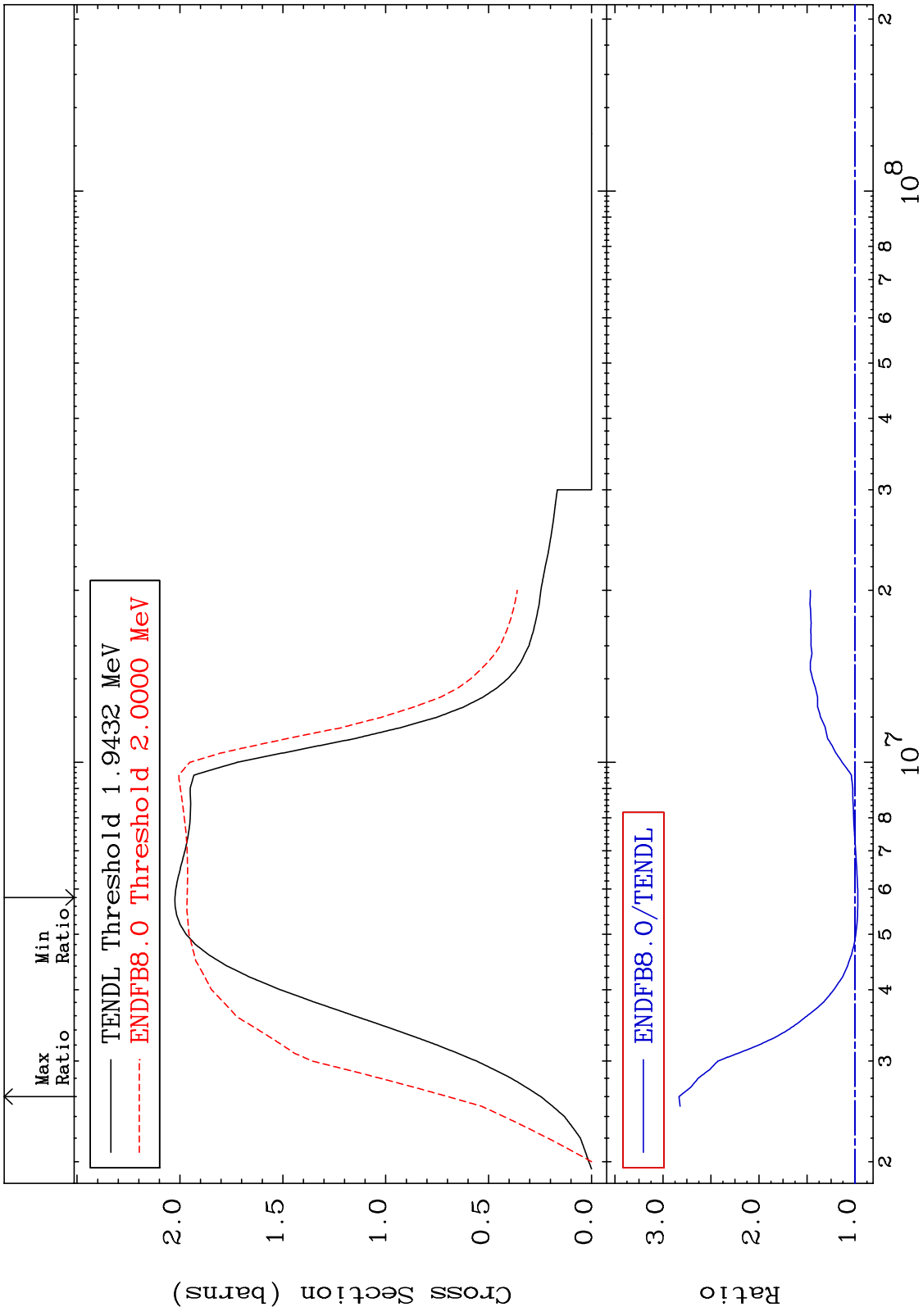


MAT 5125 MT= 58 (n,n') Level Cross Section 51-Sb-121 -29.99 To 173.1 %





MAT 5125 (n, n') Continuum Cross Section 51-Sb-121 -2.928 To 183.2 %

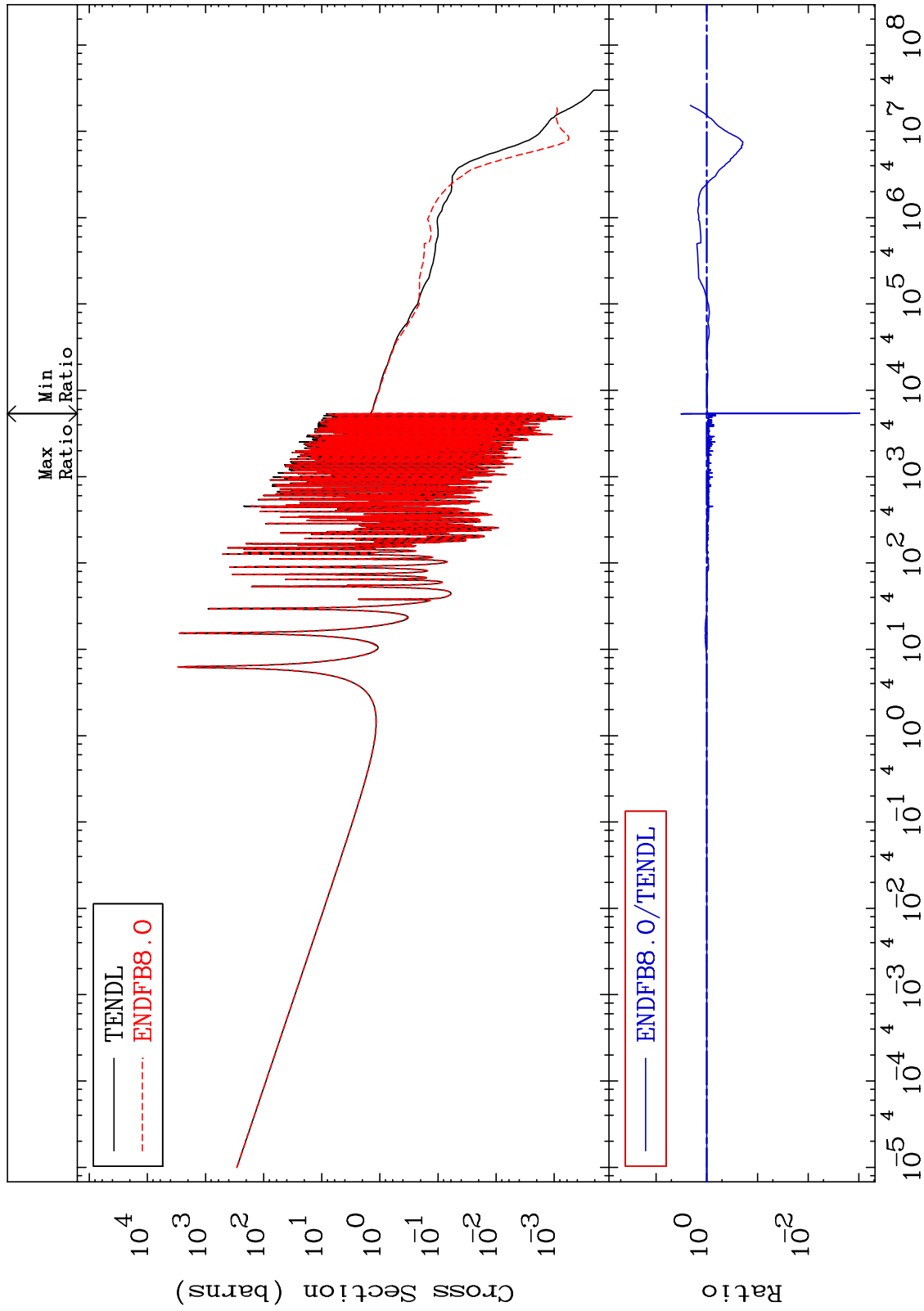


MAT 5125

(n,  $\gamma$ )

51-Sb-121

-99.90 To 219.4 %



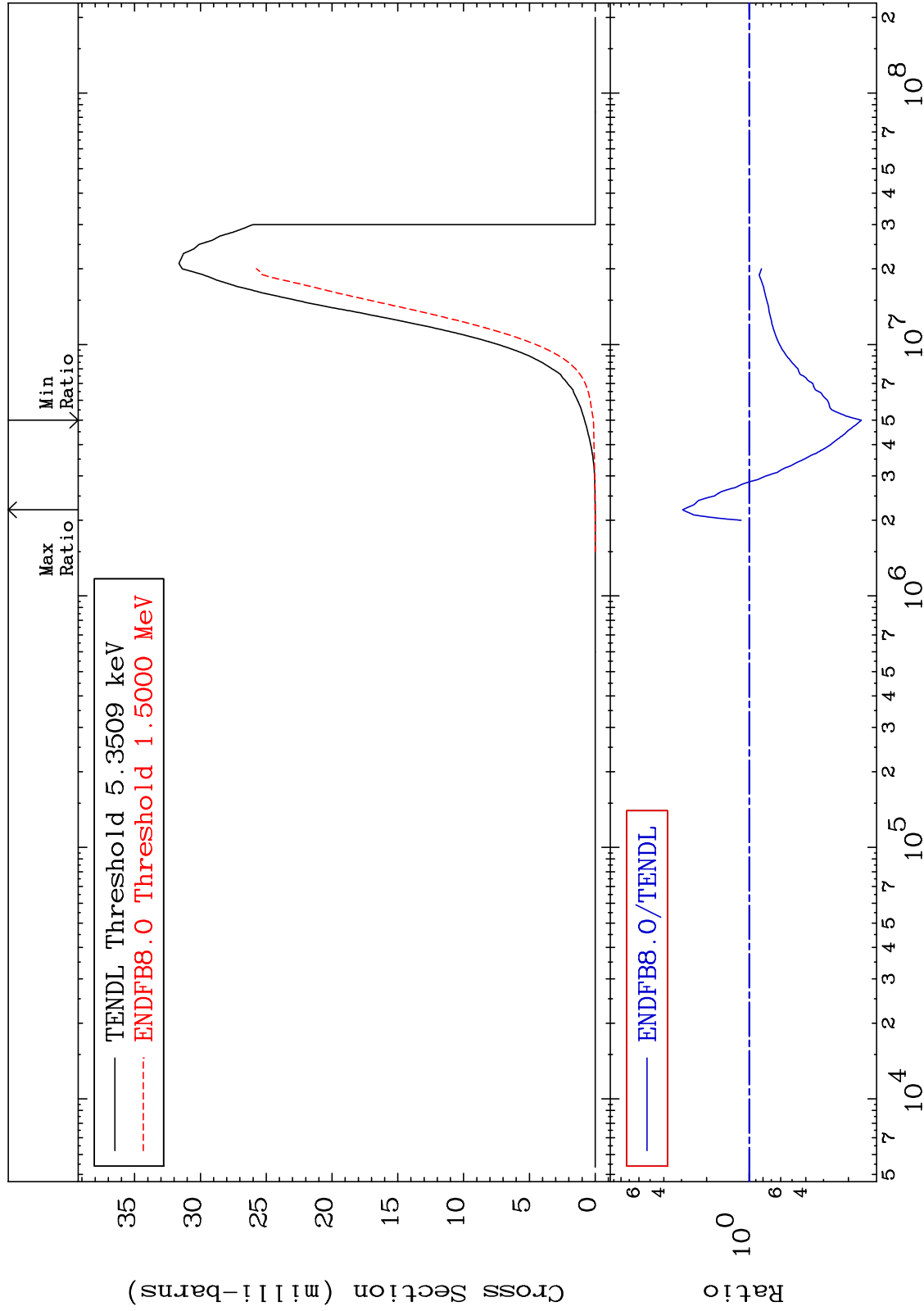
MAT 5125

(n,p)

Cross Section

51-Sb-121

-83.77 To 194.5 %

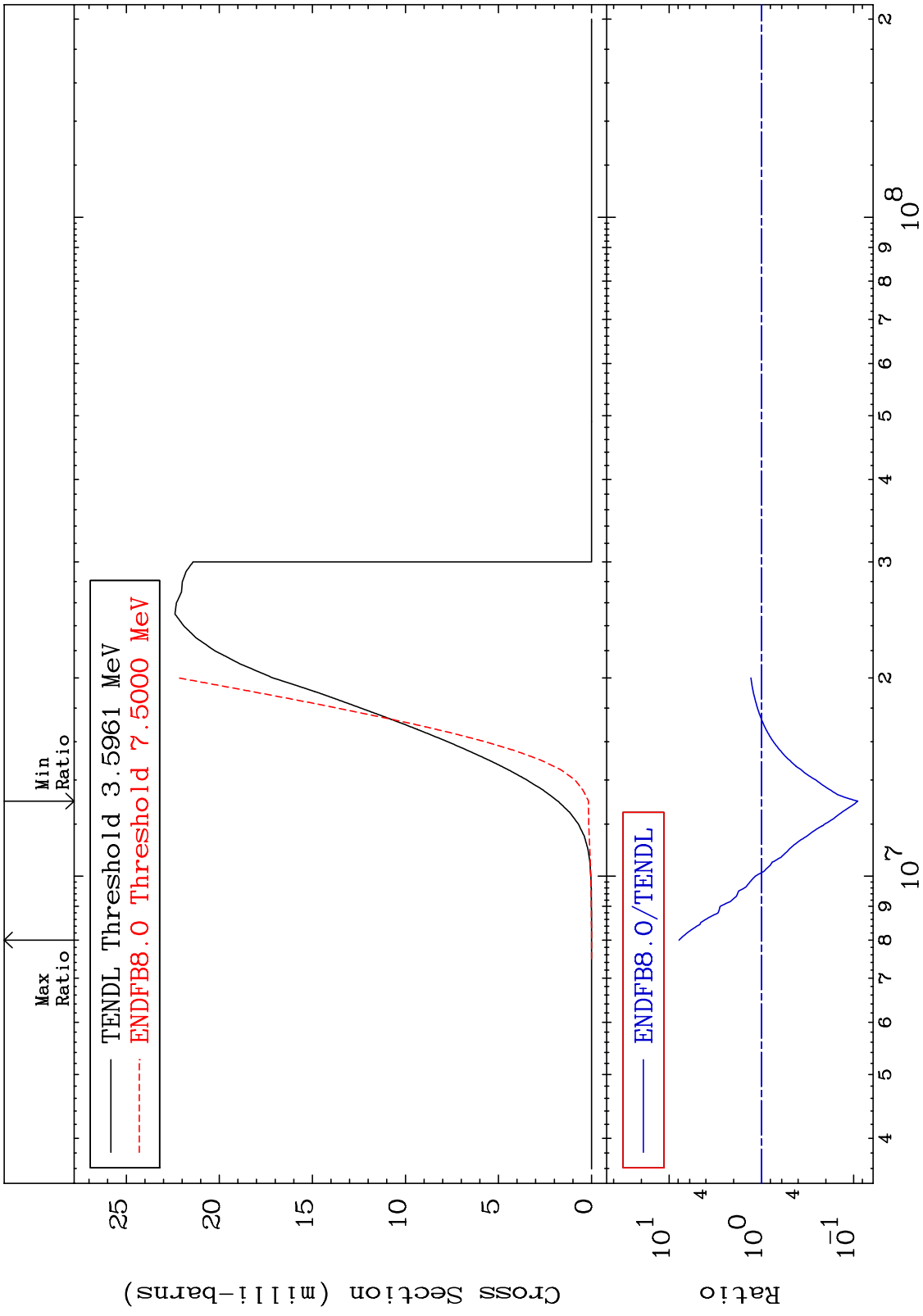


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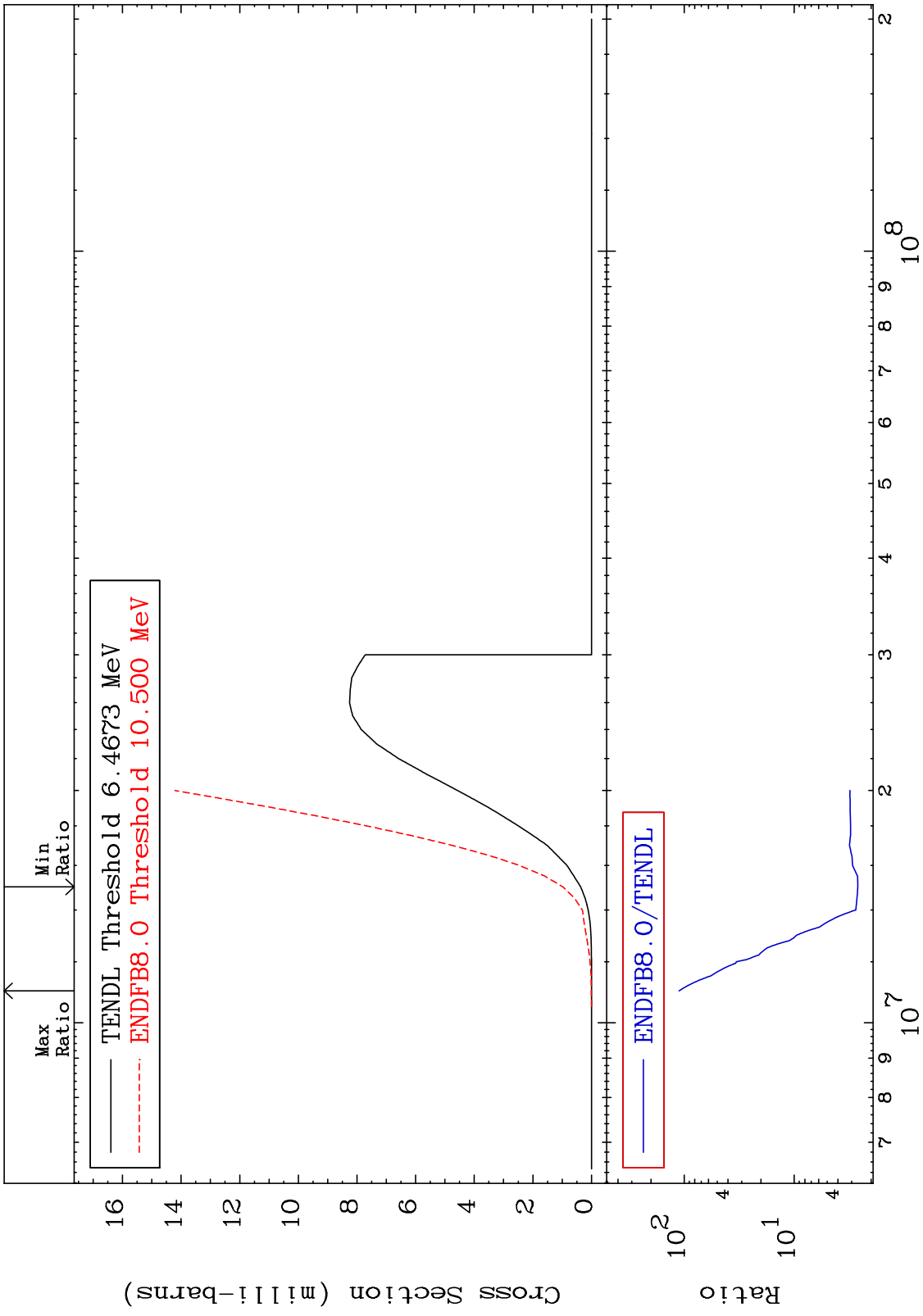
Incident Energy (eV)

51-Sb-121

MAT 5125 (n,d) 51-Sb-121  
 Cross Section -91.02 To 681.0 %



MAT 5125 (n,t) 51-Sb-121  
 Cross Section 163.8 To 9999. %



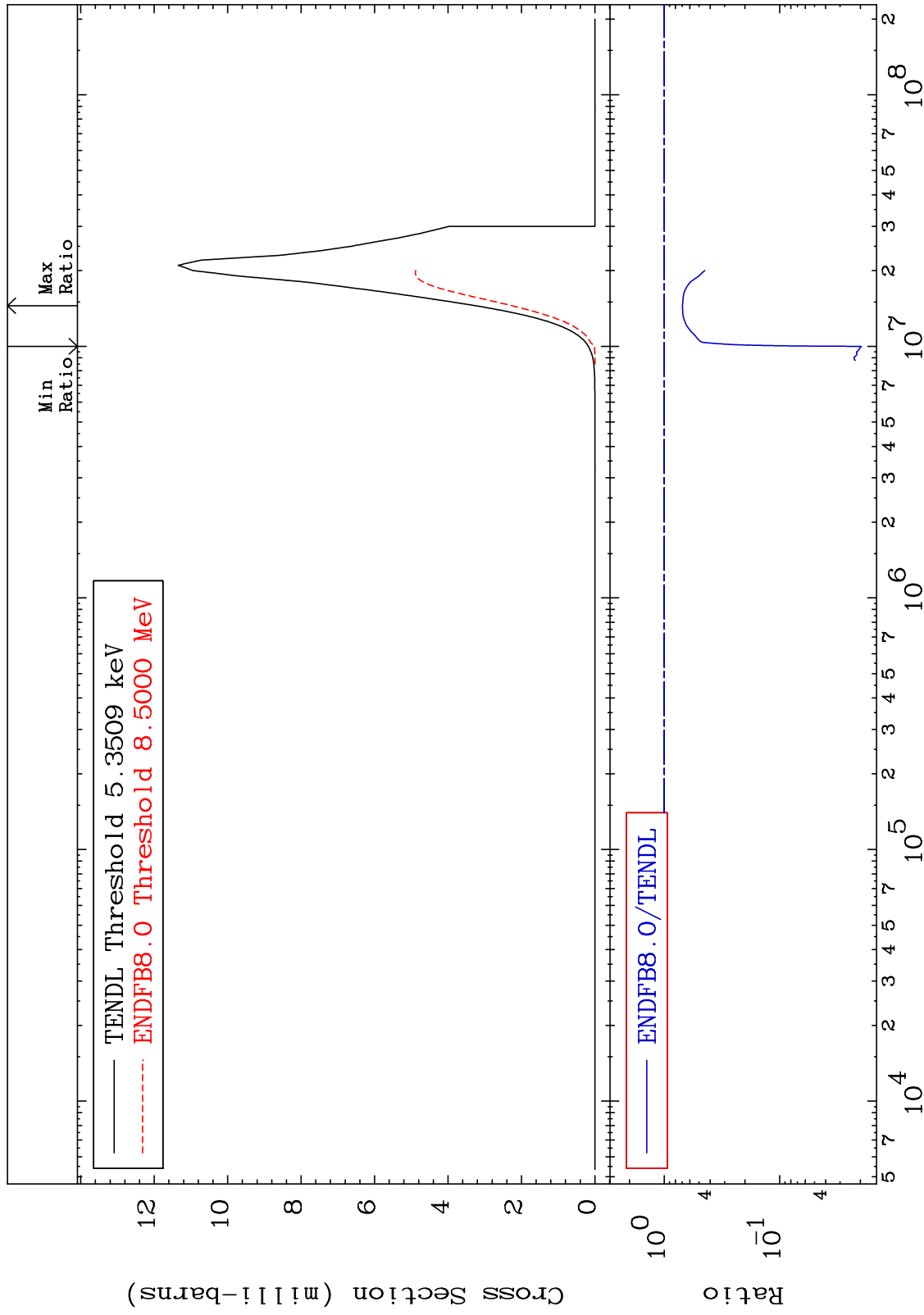
MAT 5125

(n,  $\alpha$ )

51-Sb-121

Cross Section

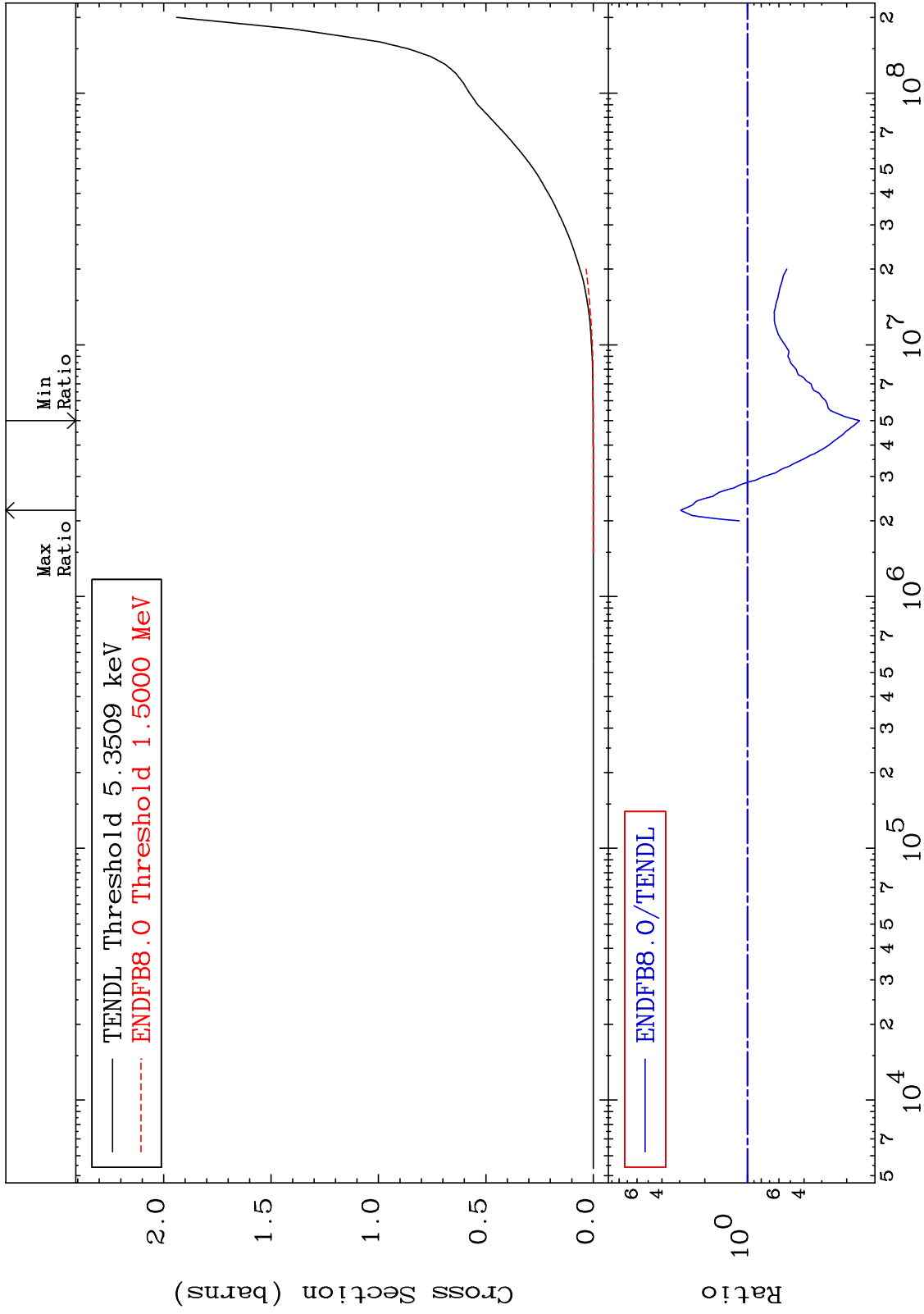
-98.04 To -30.50%



MAT 5125

Hydrogen Production  
Cross Section

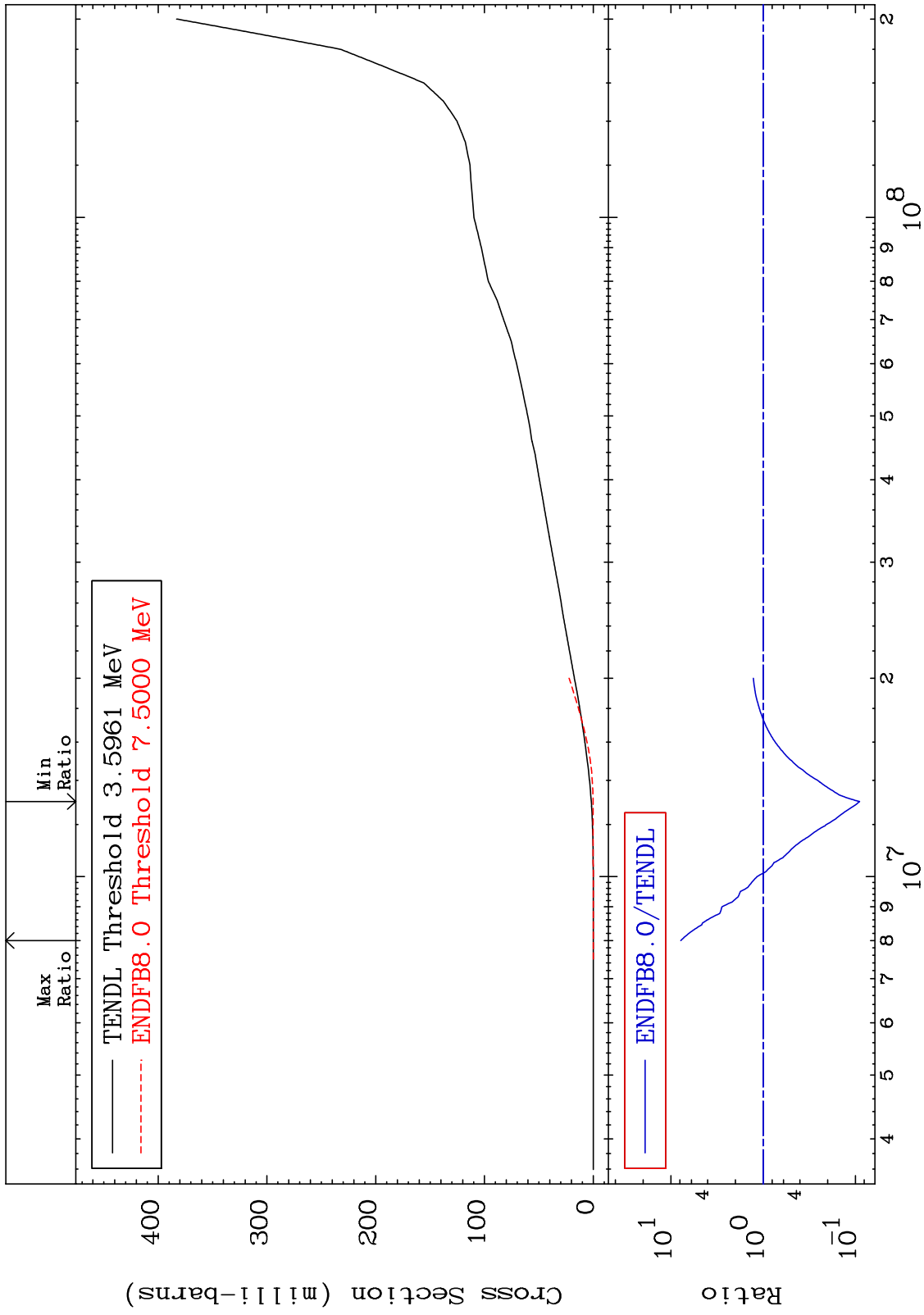
51-Sb-121  
-83.77 To 194.5 %



MAT 5125

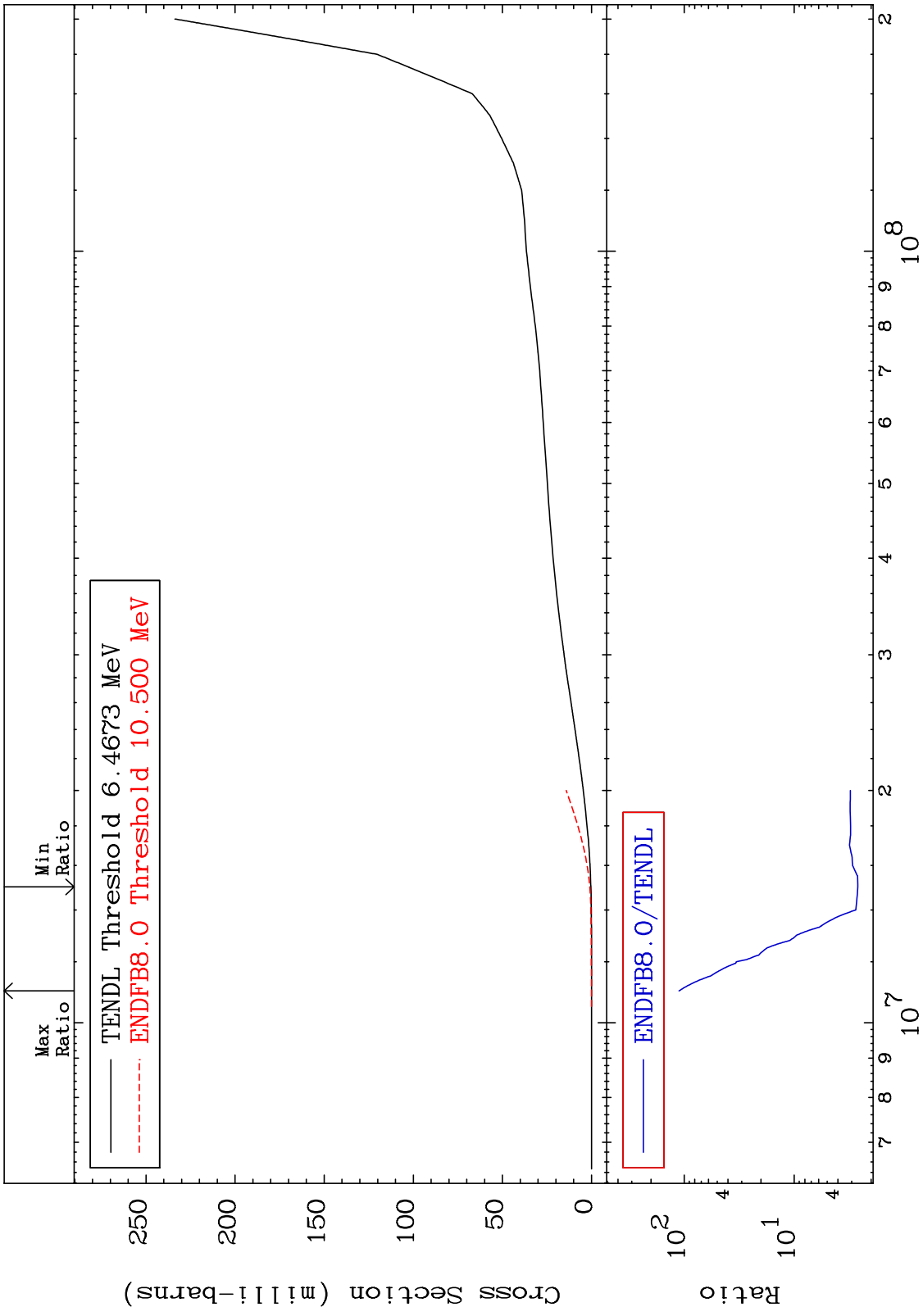
Deuterium Production  
Cross Section

51-Sb-121  
-91.02 To 681.0 %





MAT 5125 Tritium Production Cross Section 51-Sb-121 163.8 To 9999. %

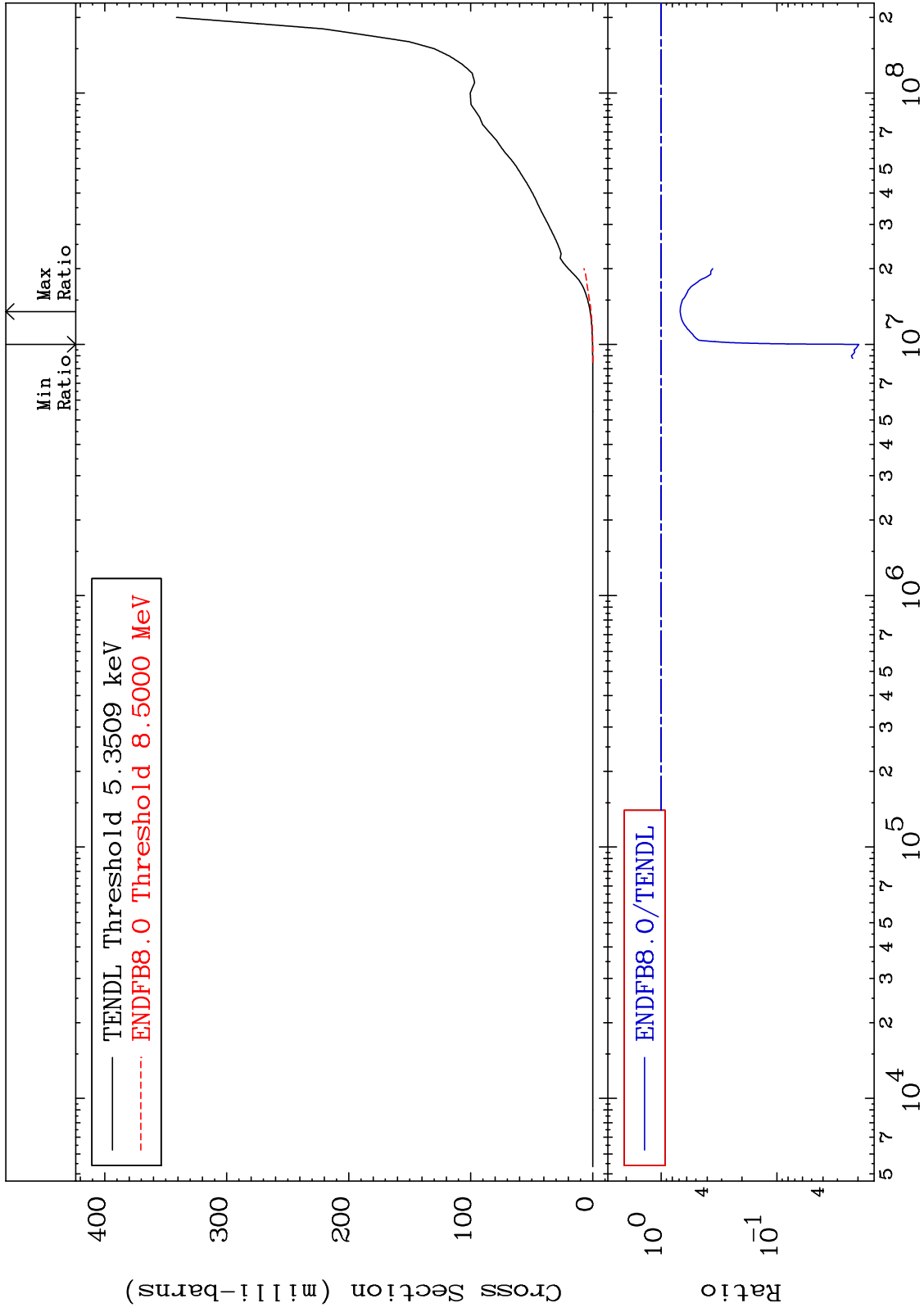


24 51-Sb-121 Incident Energy (eV)

MAT 5125

He-4 Production  
Cross Section

51-Sb-121  
-98.04 To -31.69%

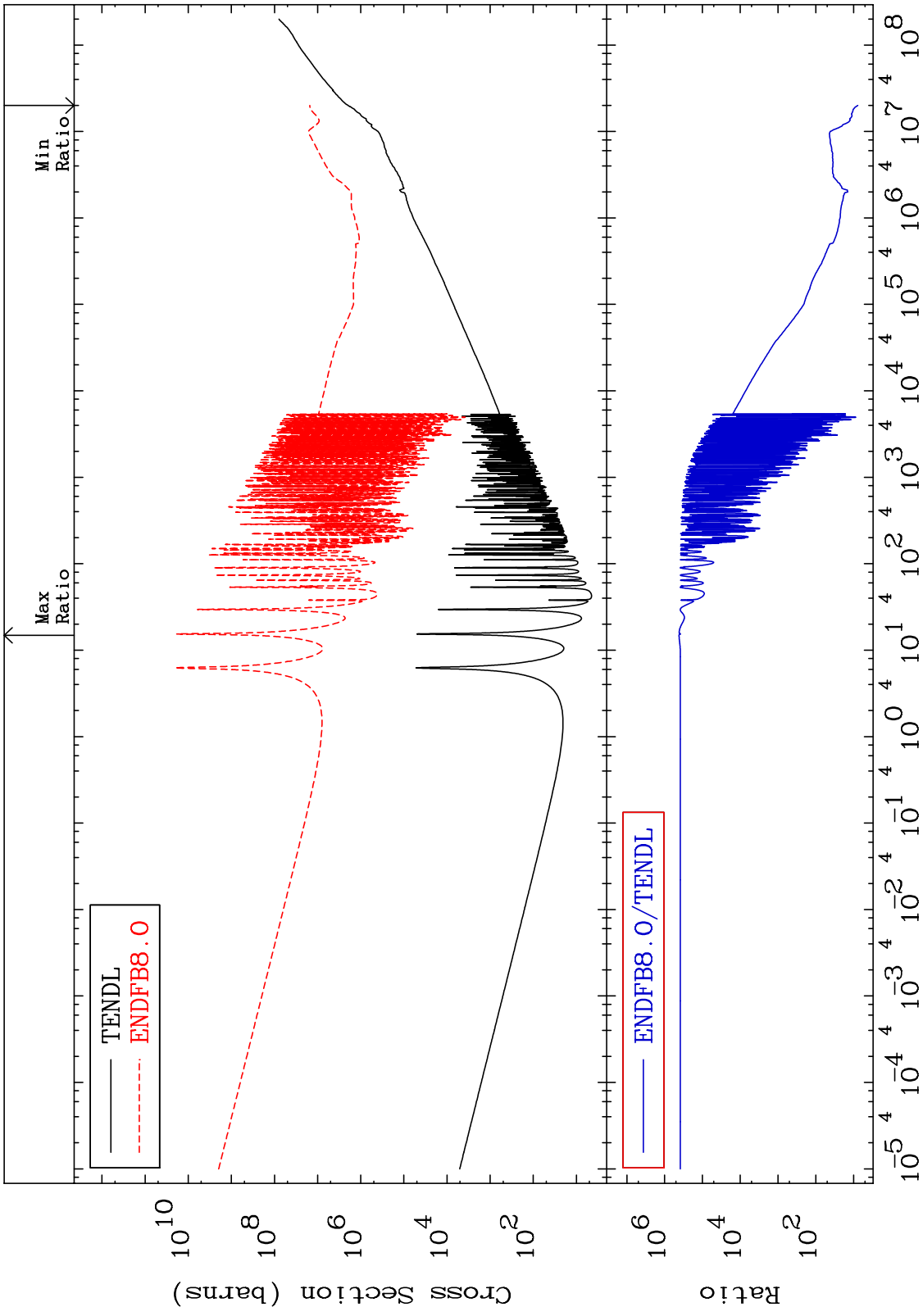


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Incident Energy (eV)

51-Sb-121

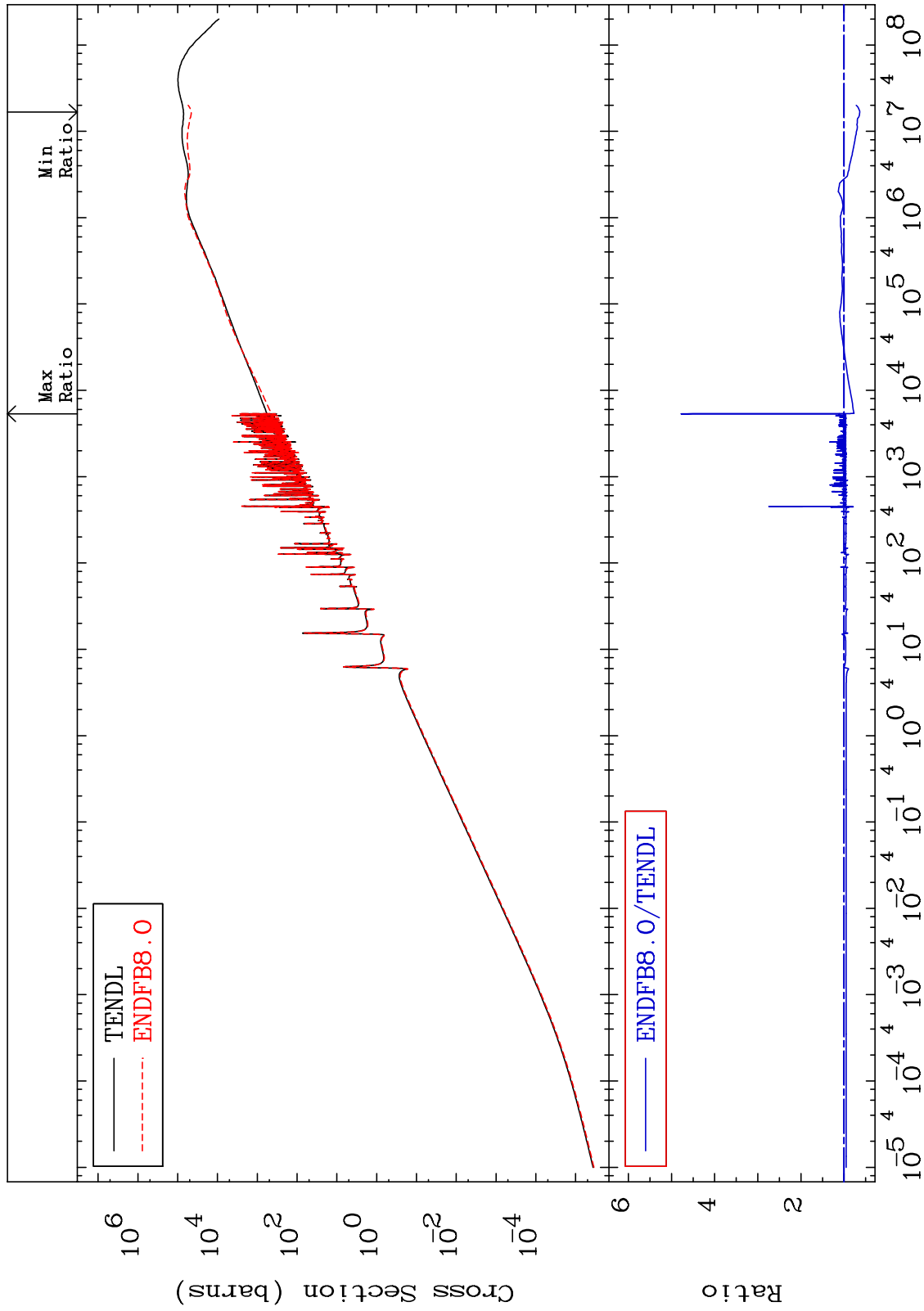
MAT 5125      Kerma total (eV-barns)      51-Sb-121  
 Cross Section      671.6 To 9999. %



MAT 5125

Kerma elastic  
Cross Section

51-Sb-121  
-36.32 To 377.4 %

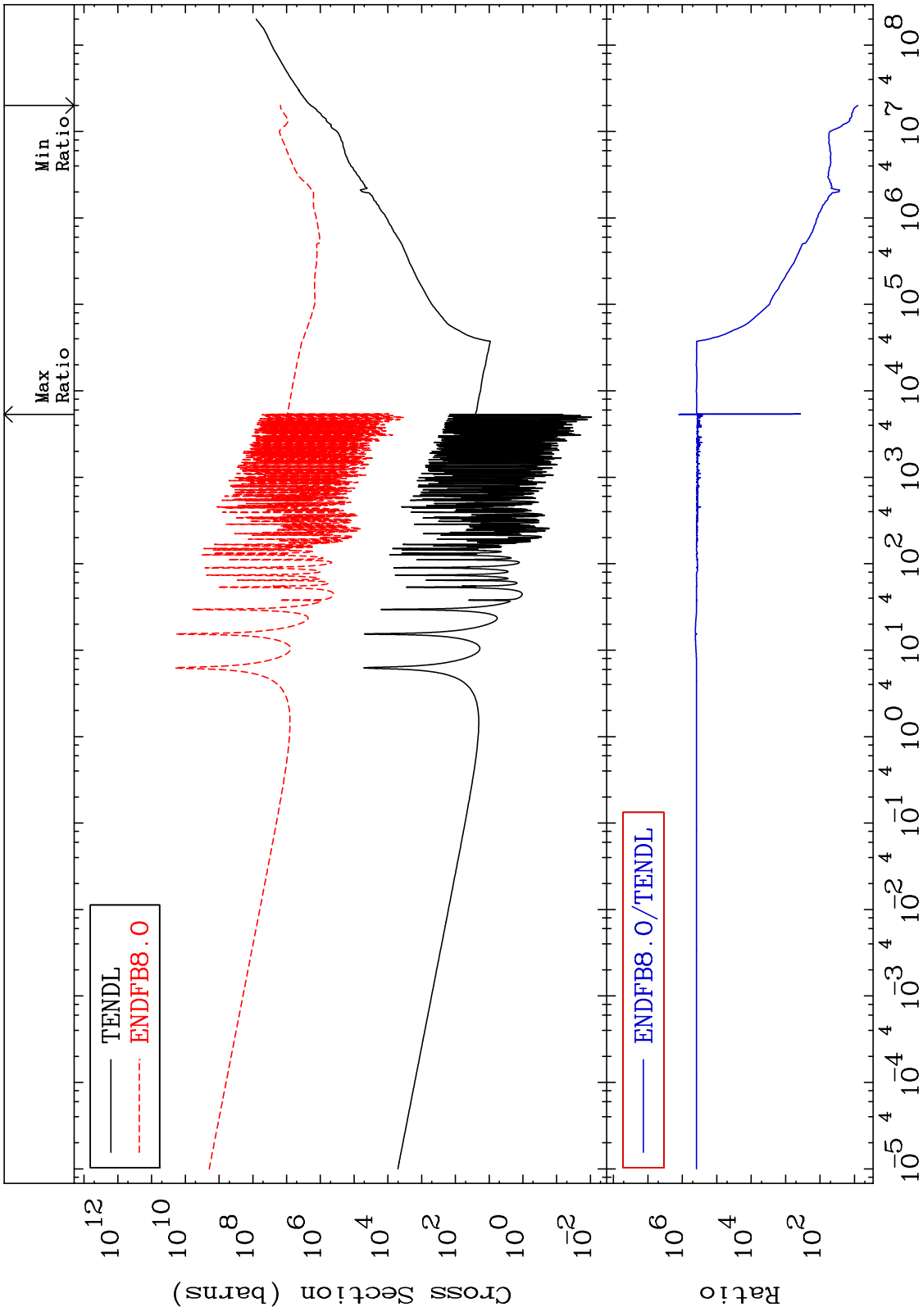


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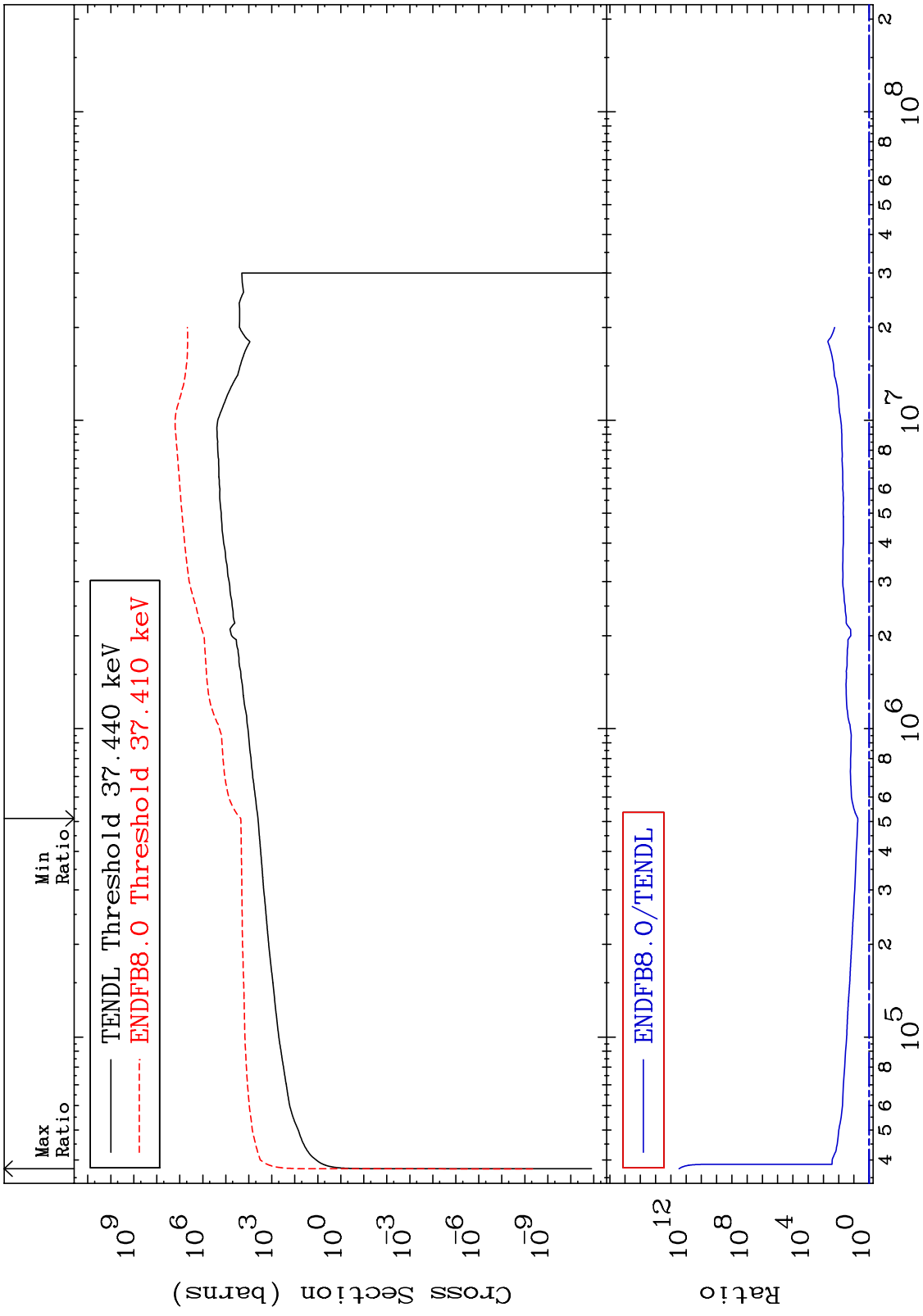
Incident Energy (eV)

51-Sb-121

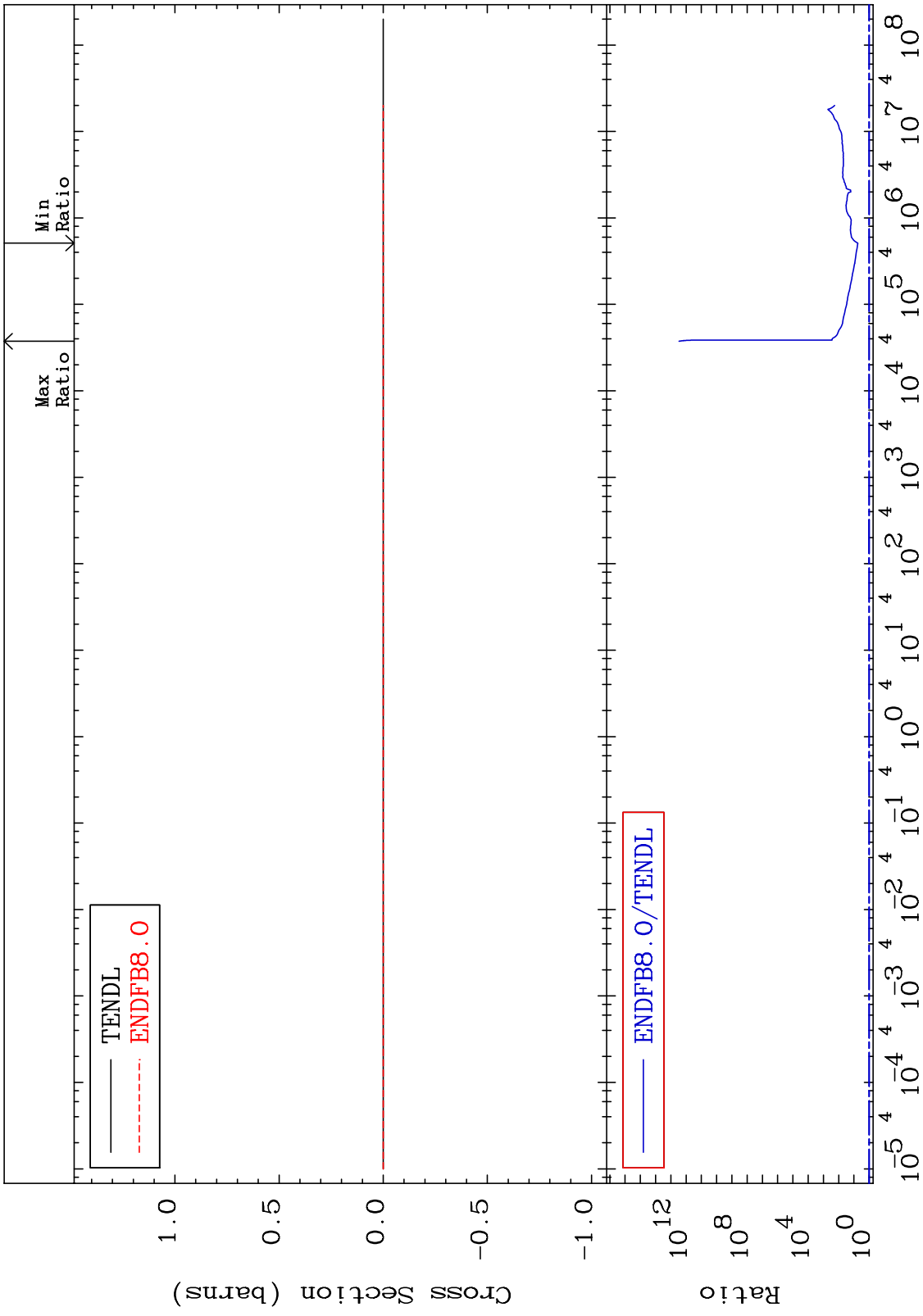
MAT 5125      Kerma non-elastic (all but mt2)      51-Sb-121  
 Cross Section      699.5 To 9999. %



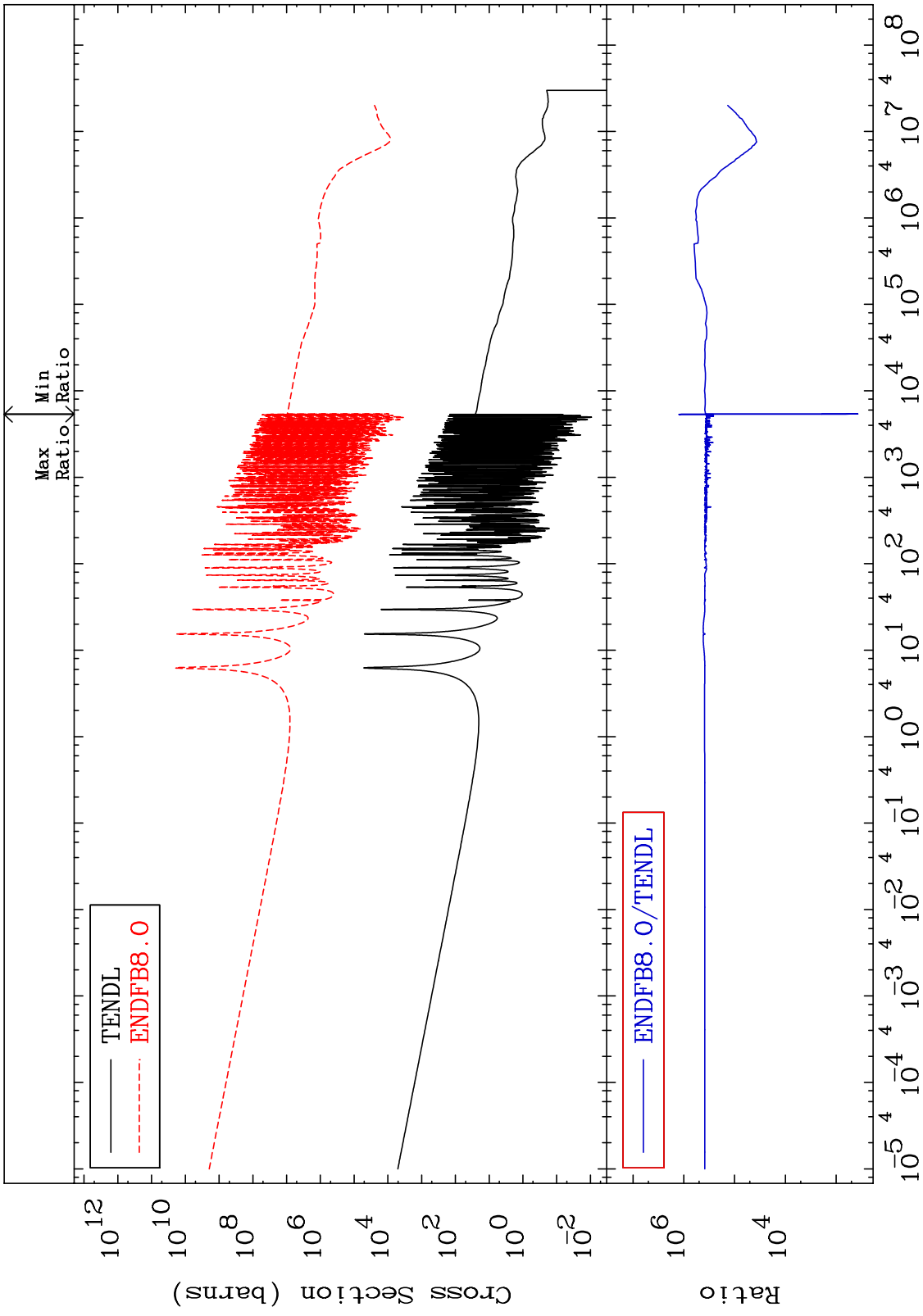
MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121  
 Cross Section 453.8 To 9999. %



MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121  
 Cross Section 453.8 To 9999. %



MAT 5125 51-Sb-121 51-Sb-121  
 Kerma capture (mt102) 9999. To 9999. %  
 Cross Section

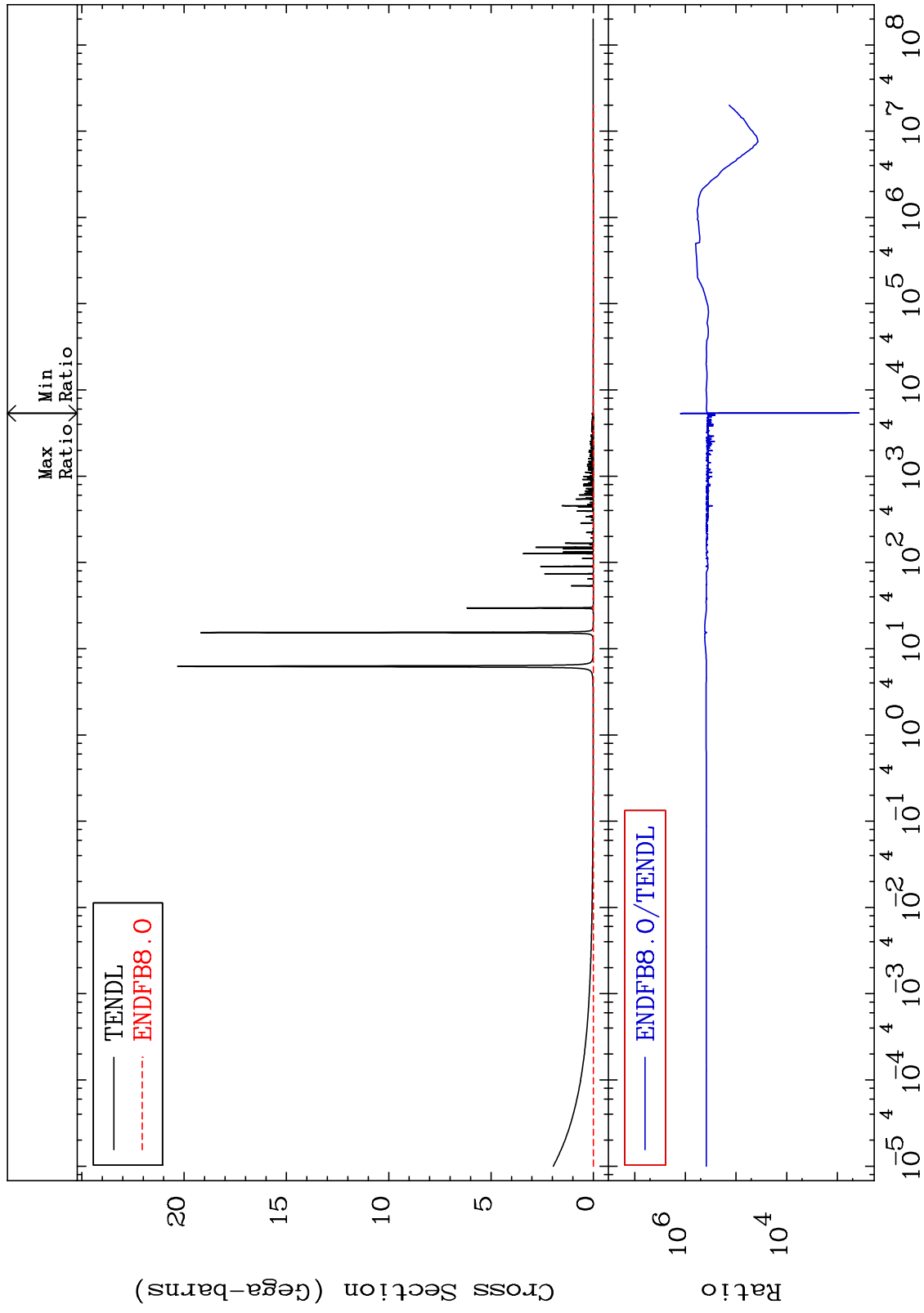




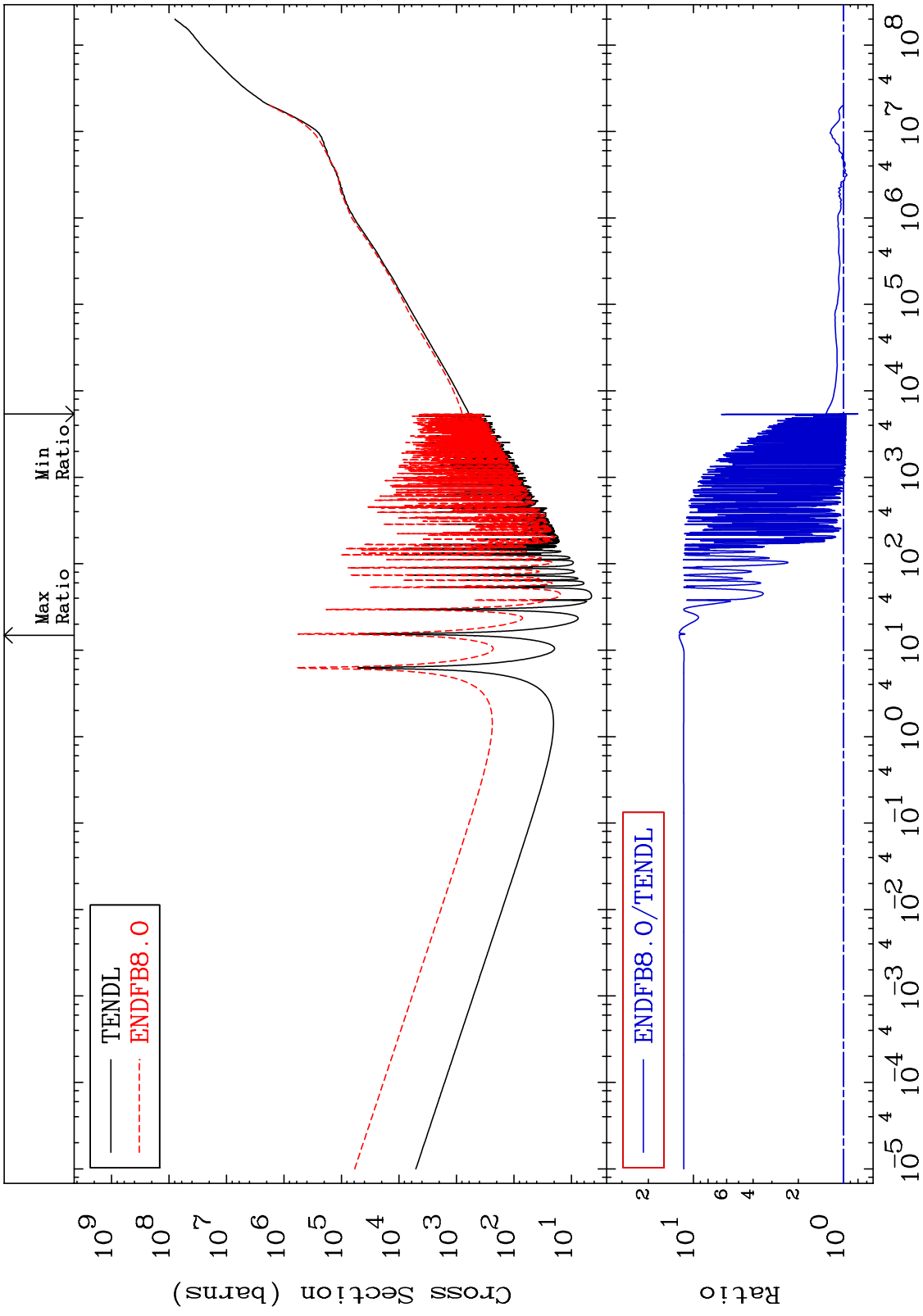
MAT 5125

Total photon (eV-barns)  
Cross Section

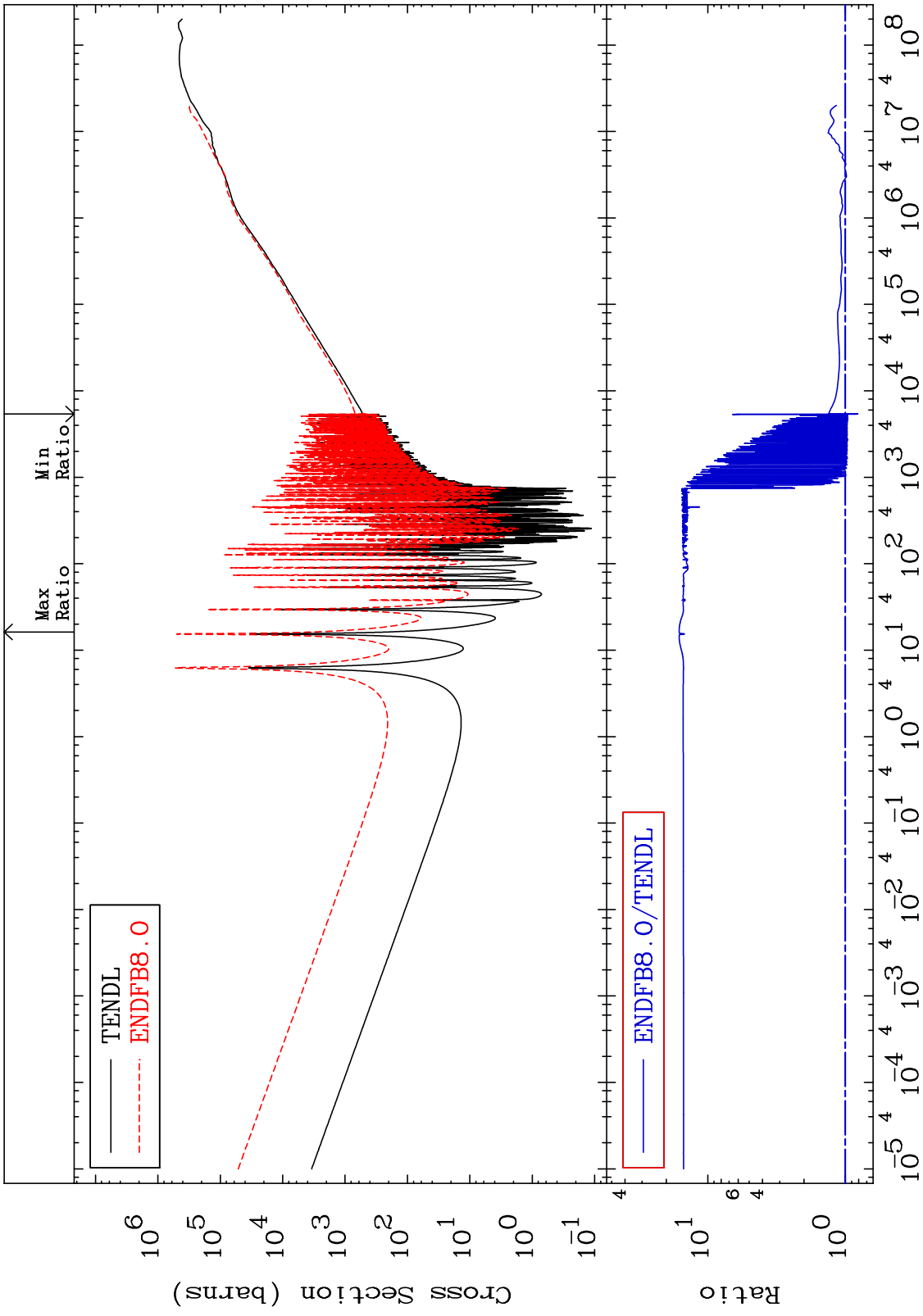
51-Sb-121  
9999. To 9999. %



MAT 5125      Total kinematic kerma (high limit)      51-Sb-121  
 -19.75 To 1147. %  
 Cross Section



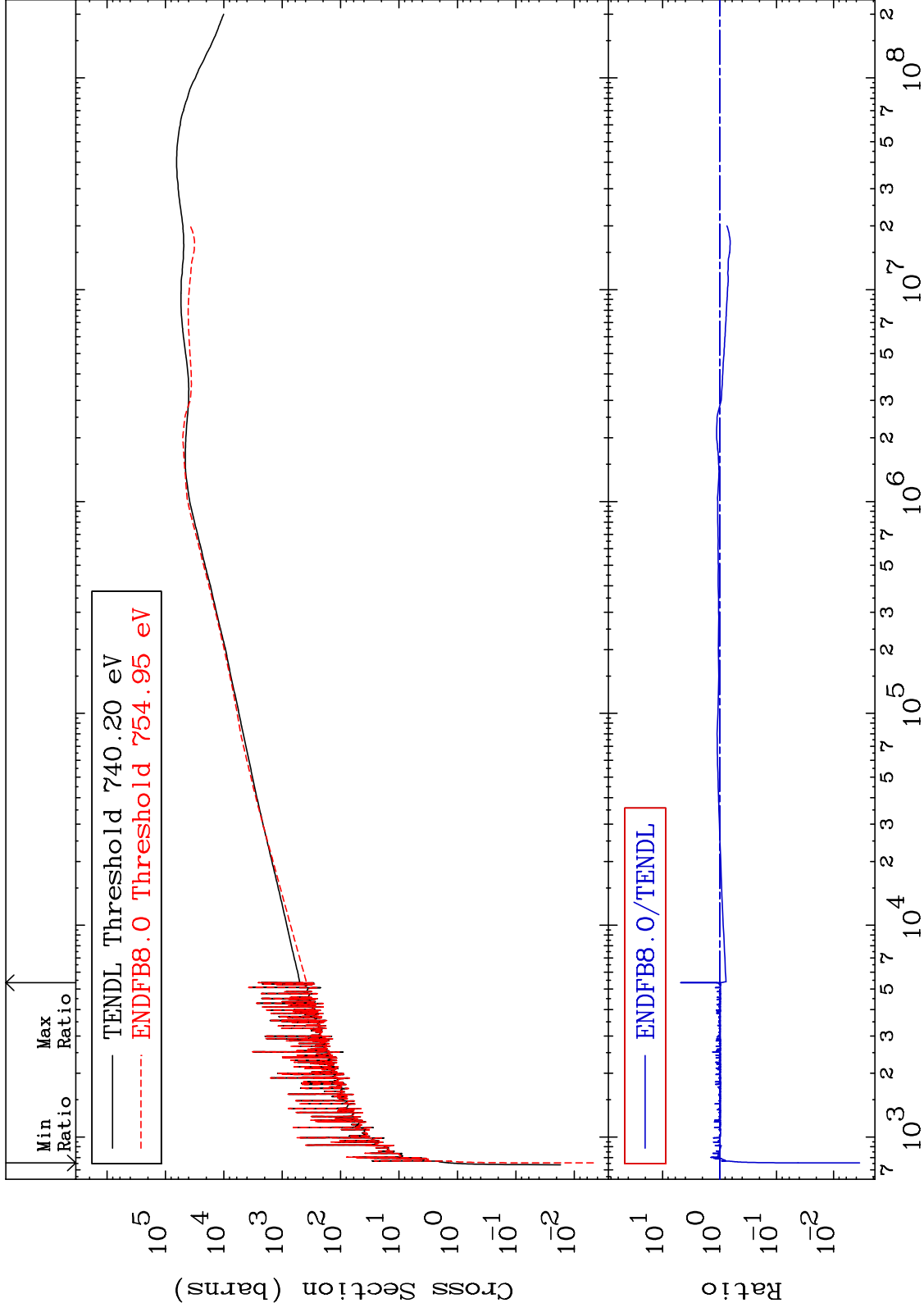
MAT 5125      Dpa total (eV-barns)      51-Sb-121  
 -18.82 To 1517. %



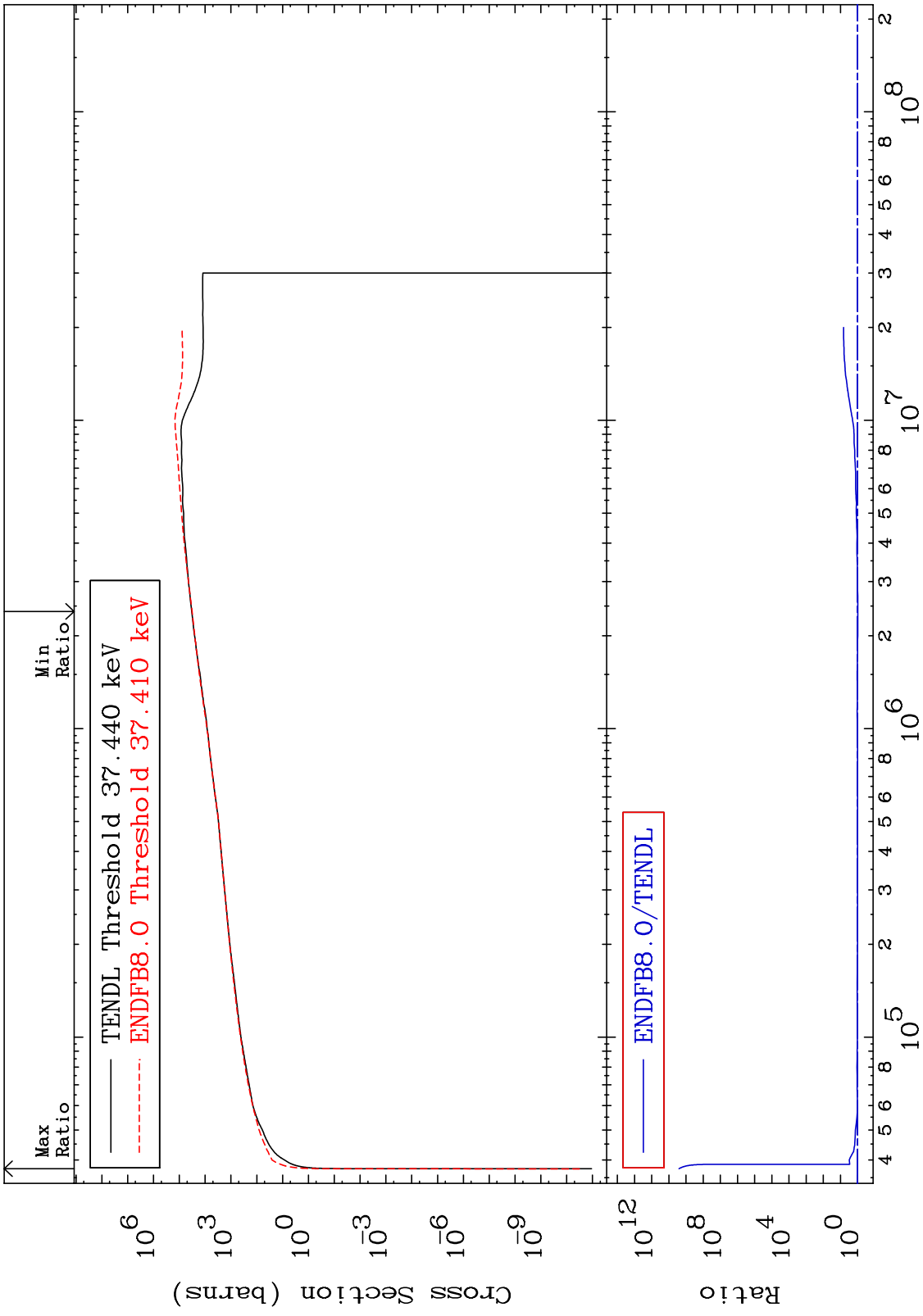
MAT 5125

Dpa elastic (mt2)  
Cross Section

51-Sb-121  
-99.65 To 378.4 %



MAT 5125      Dpa inelastic (mt51-91)      51-Sb-121  
 Cross Section      -3.186 To 9999. %



MAT 5125      Dpa disappearance (mt102 -120)      51-Sb-121  
 Cross Section      -98.24 To 9999. %

