

Program Complot  
(Version 2018-1)

by

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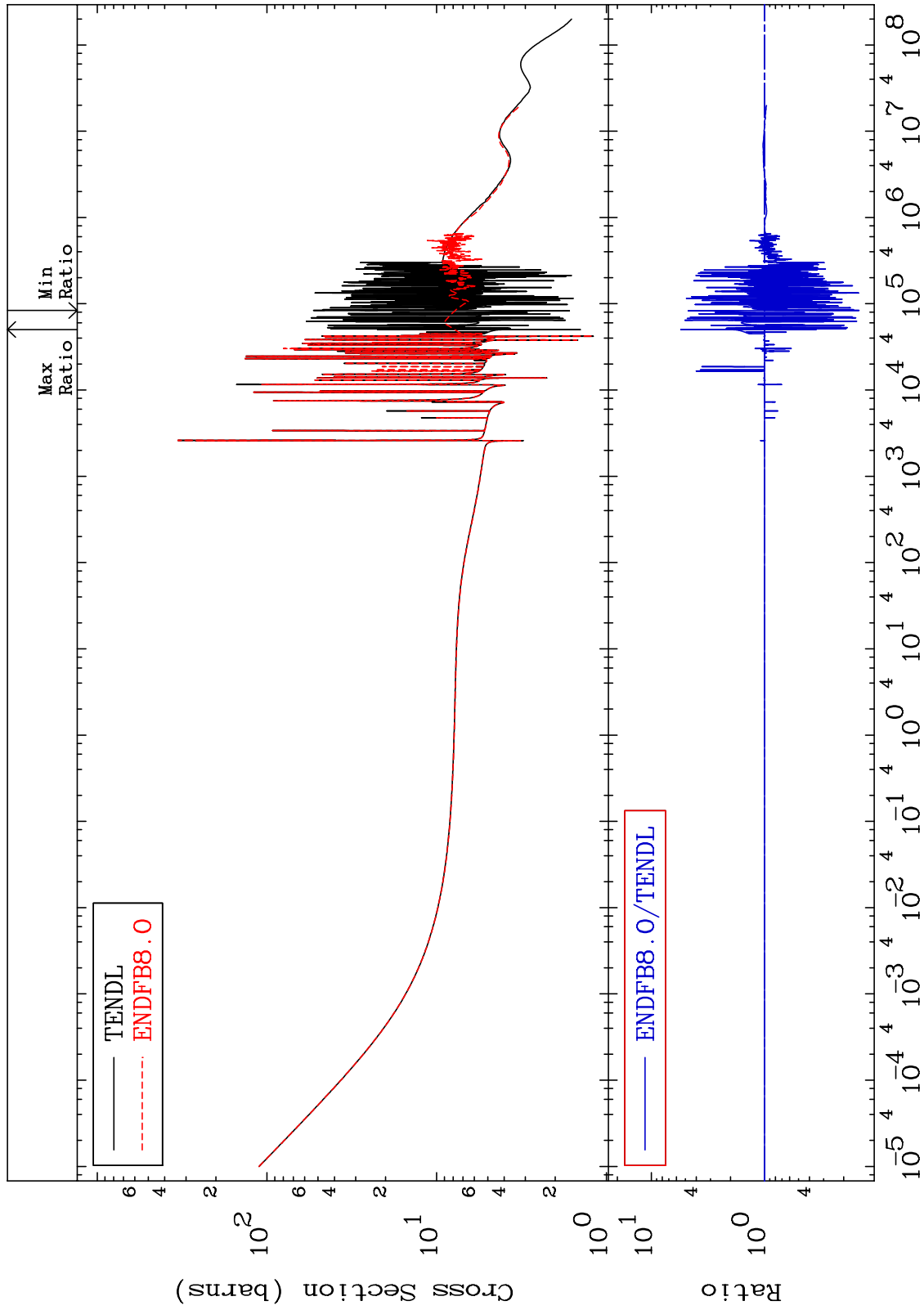
U.S.A.

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

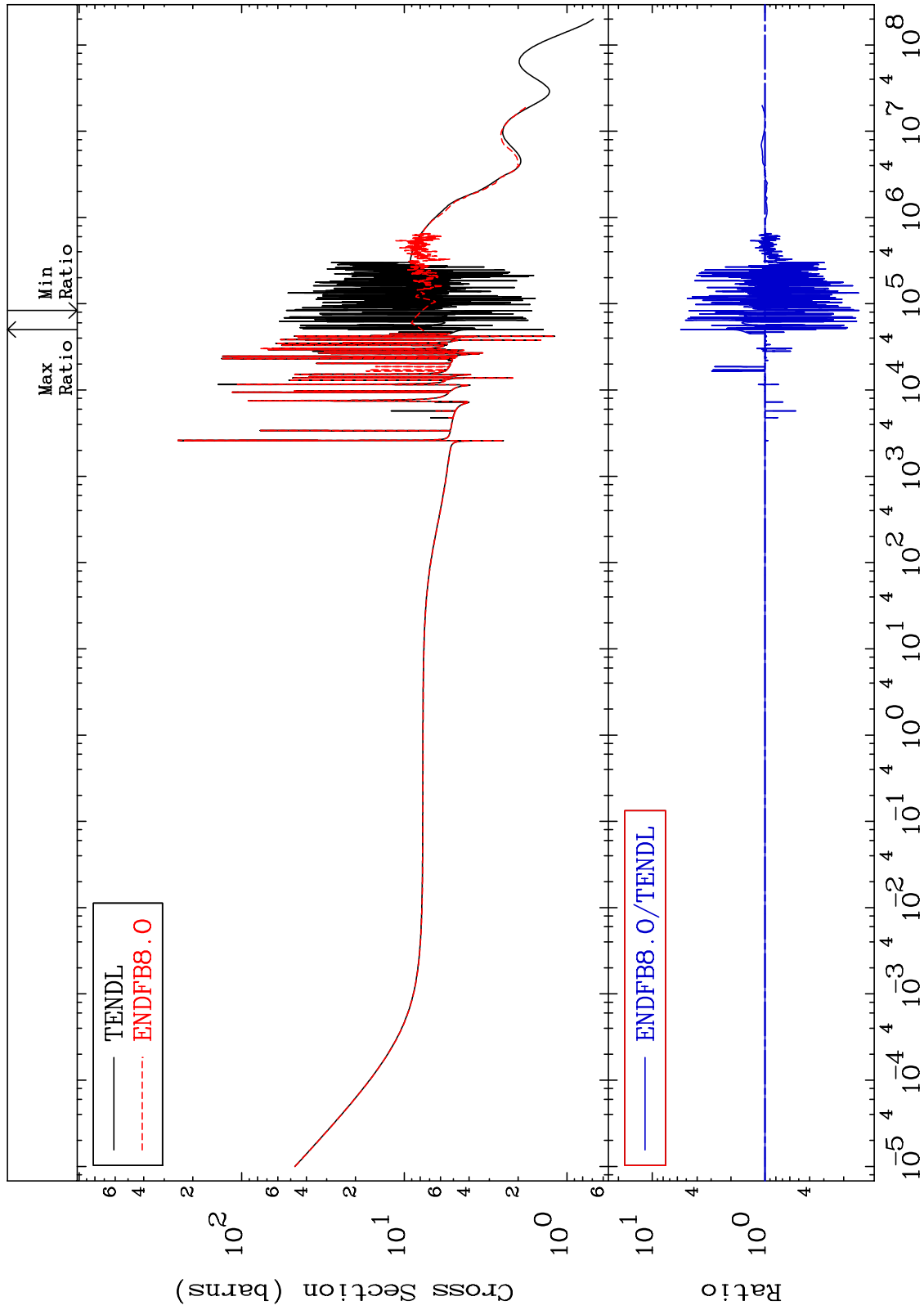
Press Mouse Button to Start

MAT 3925 Total Cross Section 39-Y -89 -85.38 To 451.0 %



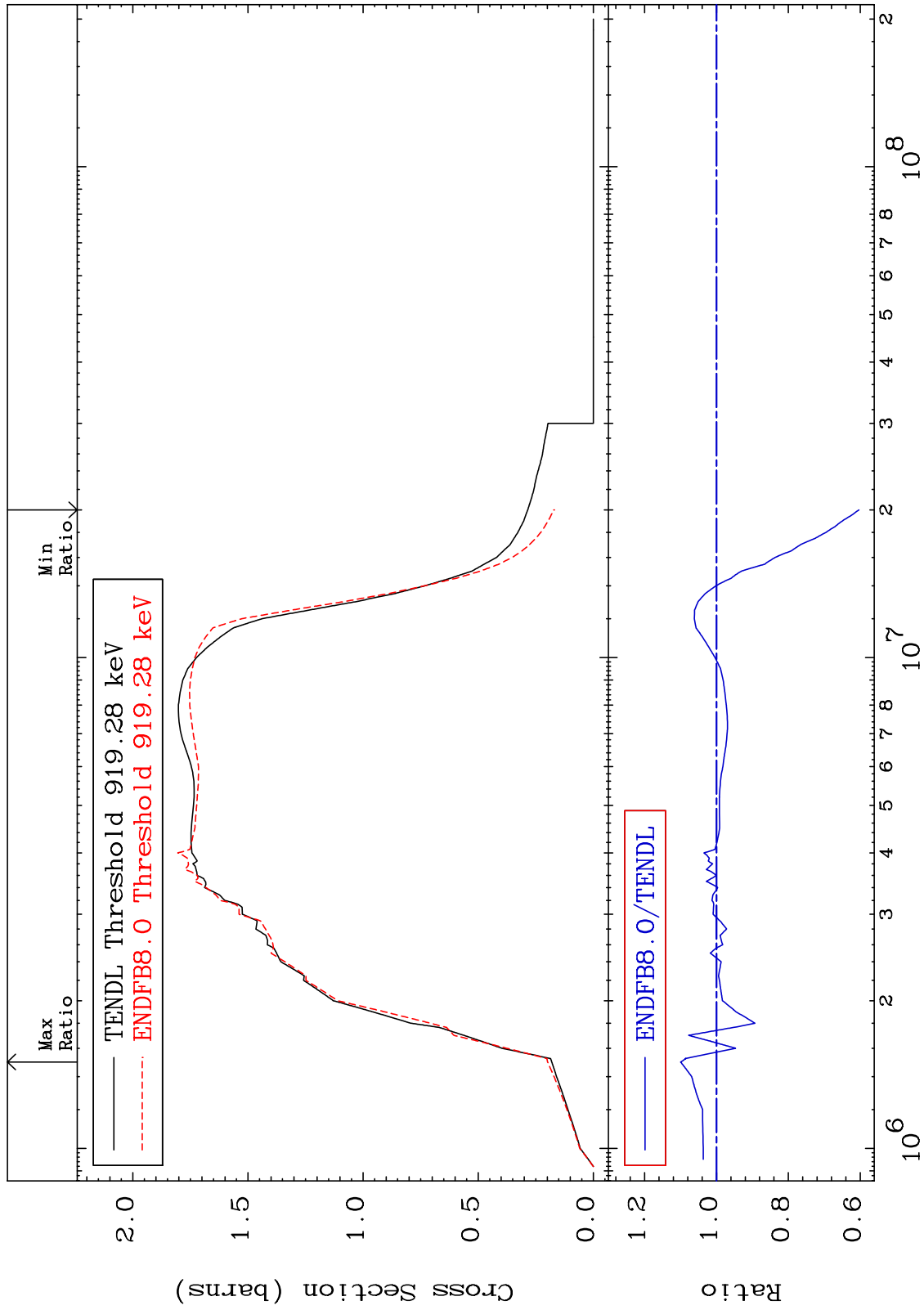
1 39-Y -89

MAT 3925 Elastic Cross Section 39-Y -89 -85.39 To 460.4 %



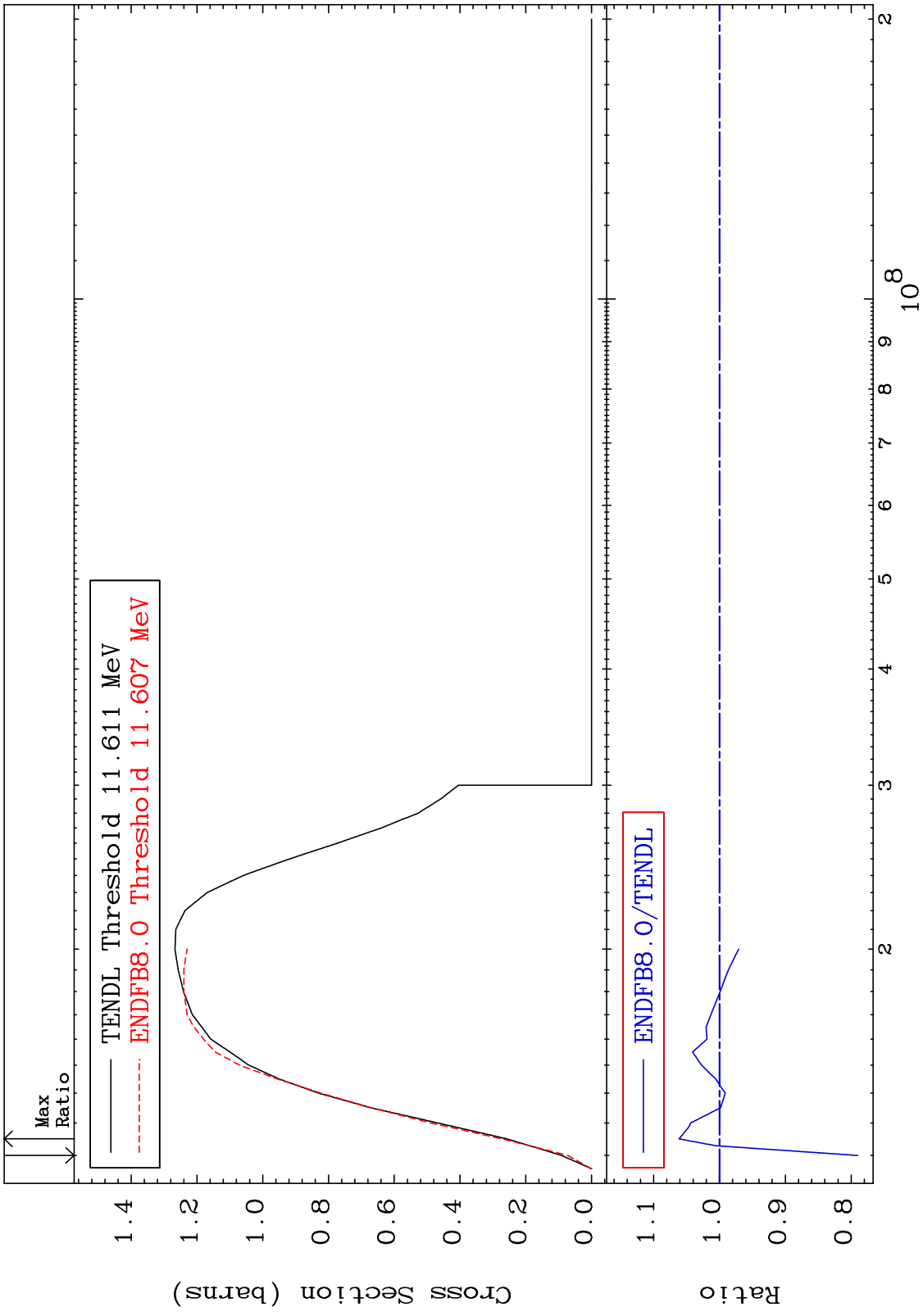
2 39-Y -89

MAT 3925 Inelastic Cross Section 39-Y -89 -39.66 To 9.982 %

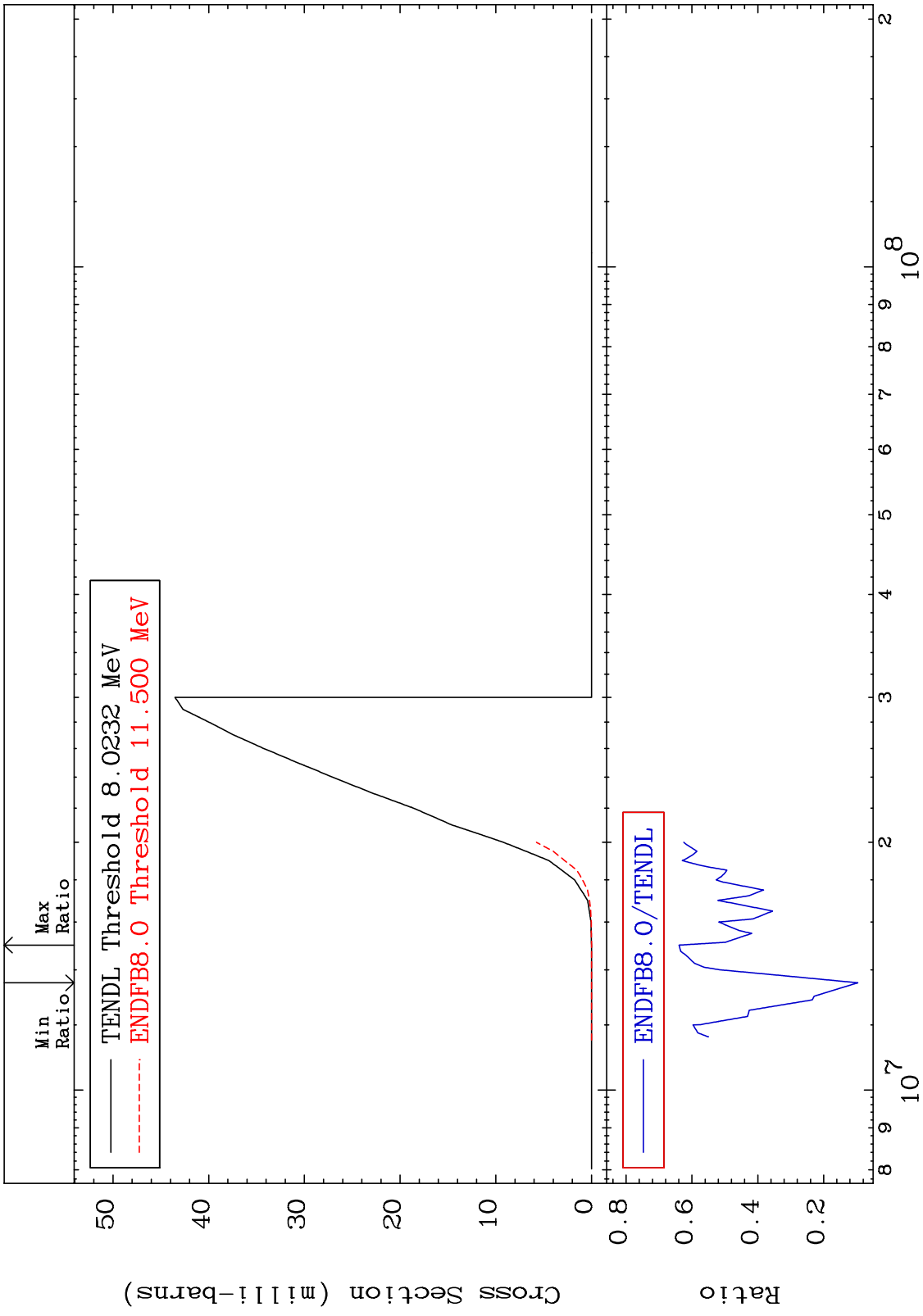


39-Y -89

MAT 3925 (n,2n) Cross Section 39-Y -89 -21.01 To 6.136 %

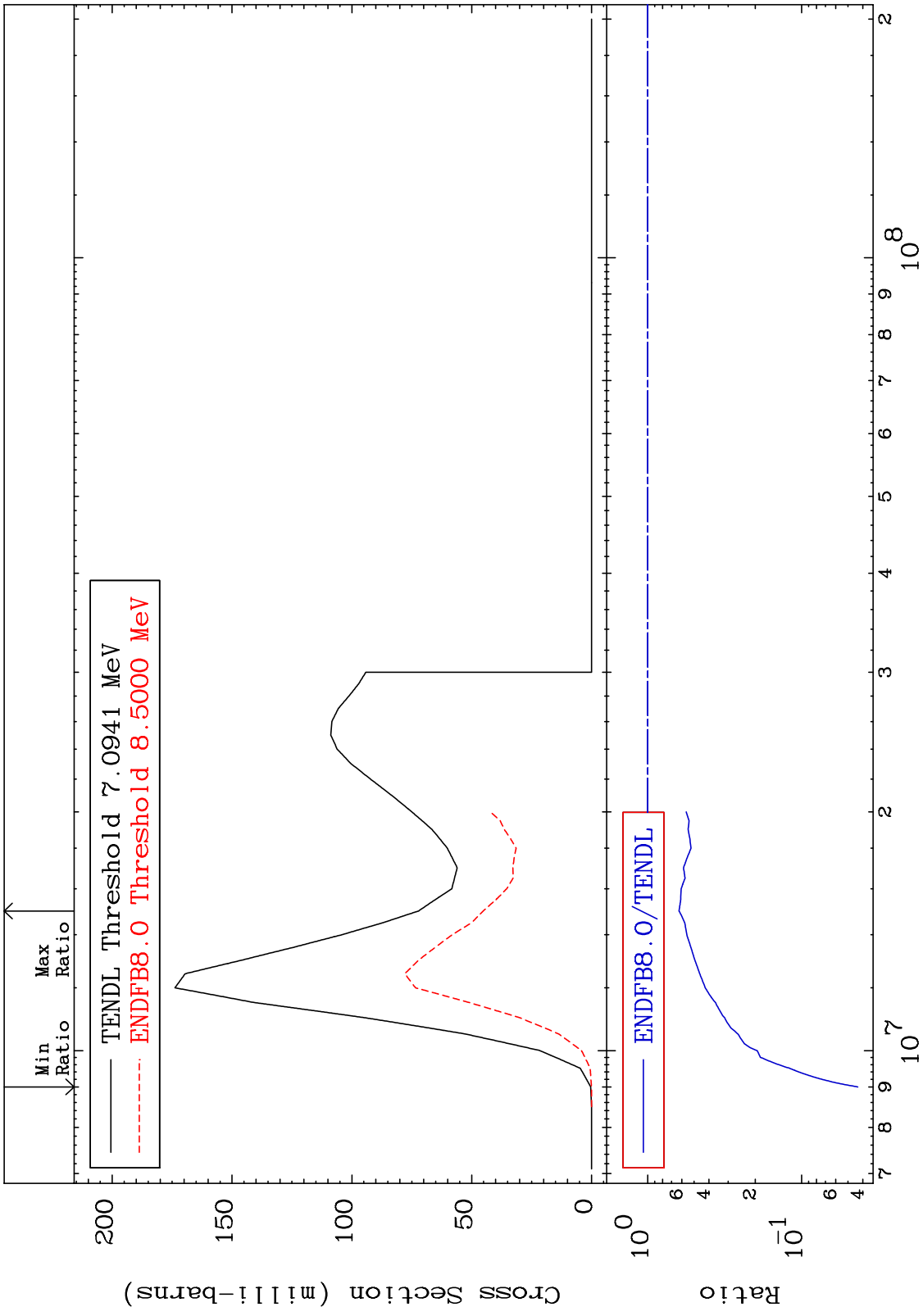


MAT 3925 (n,n')  $\alpha$  39-Y -89  
 Cross Section -90.37 To -36.08%



5 Incident Energy (eV) 39-Y -89

MAT 3925 (n,n') p Cross Section 39-Y -89  
 -95.69 To -37.40%

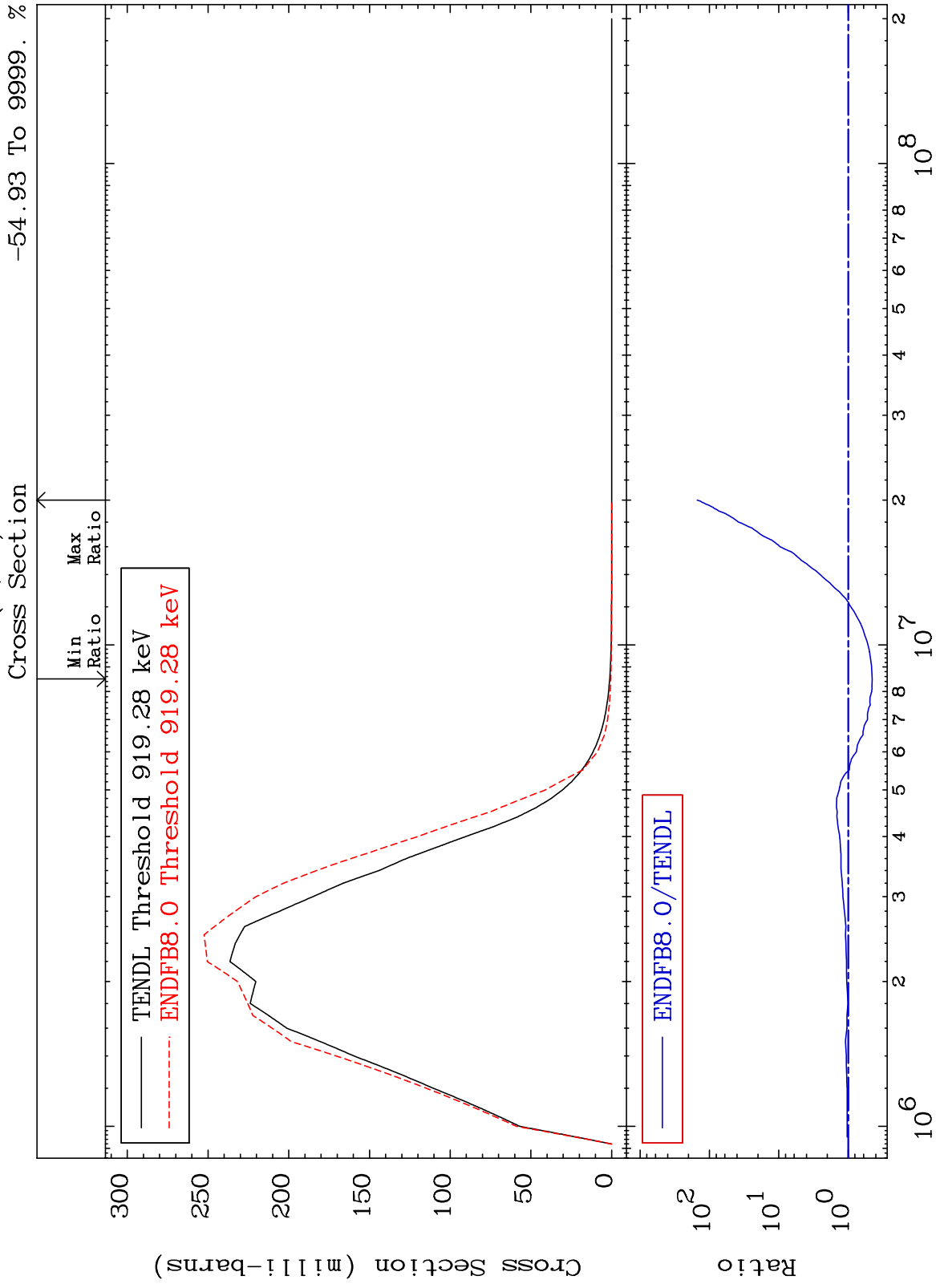


MAT 3925

MT= 51 (n,n') Level

39-Y -89

-54.93 To 9999. %

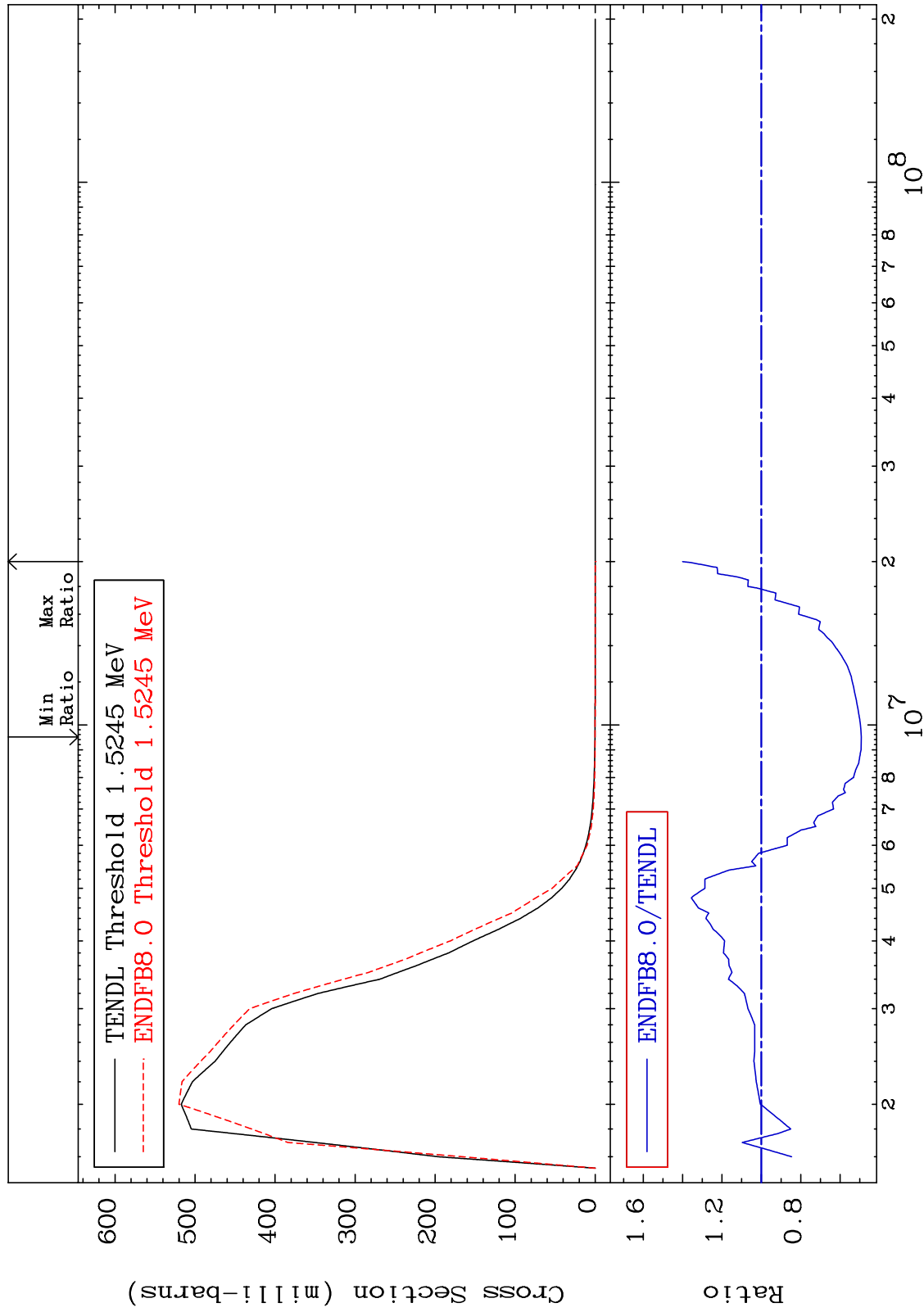


39-Y -89

MAT 3925

MT= 52 (n,n') Level  
Cross Section

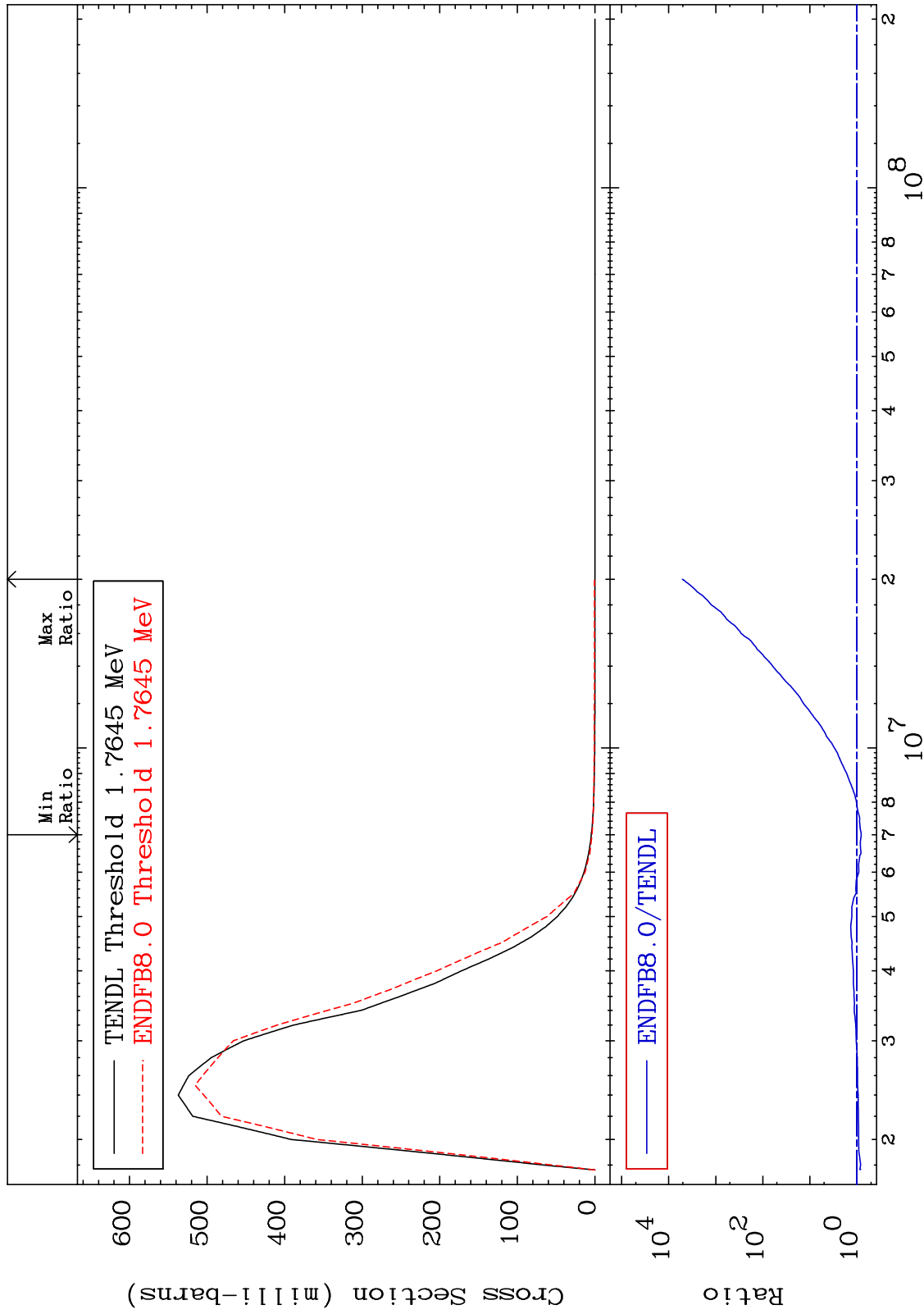
39-Y -89  
-50.79 To 39.96 %



MAT 3925

MT= 53 (n,n') Level  
Cross Section

39-Y -89  
-19.43 To 9999. %



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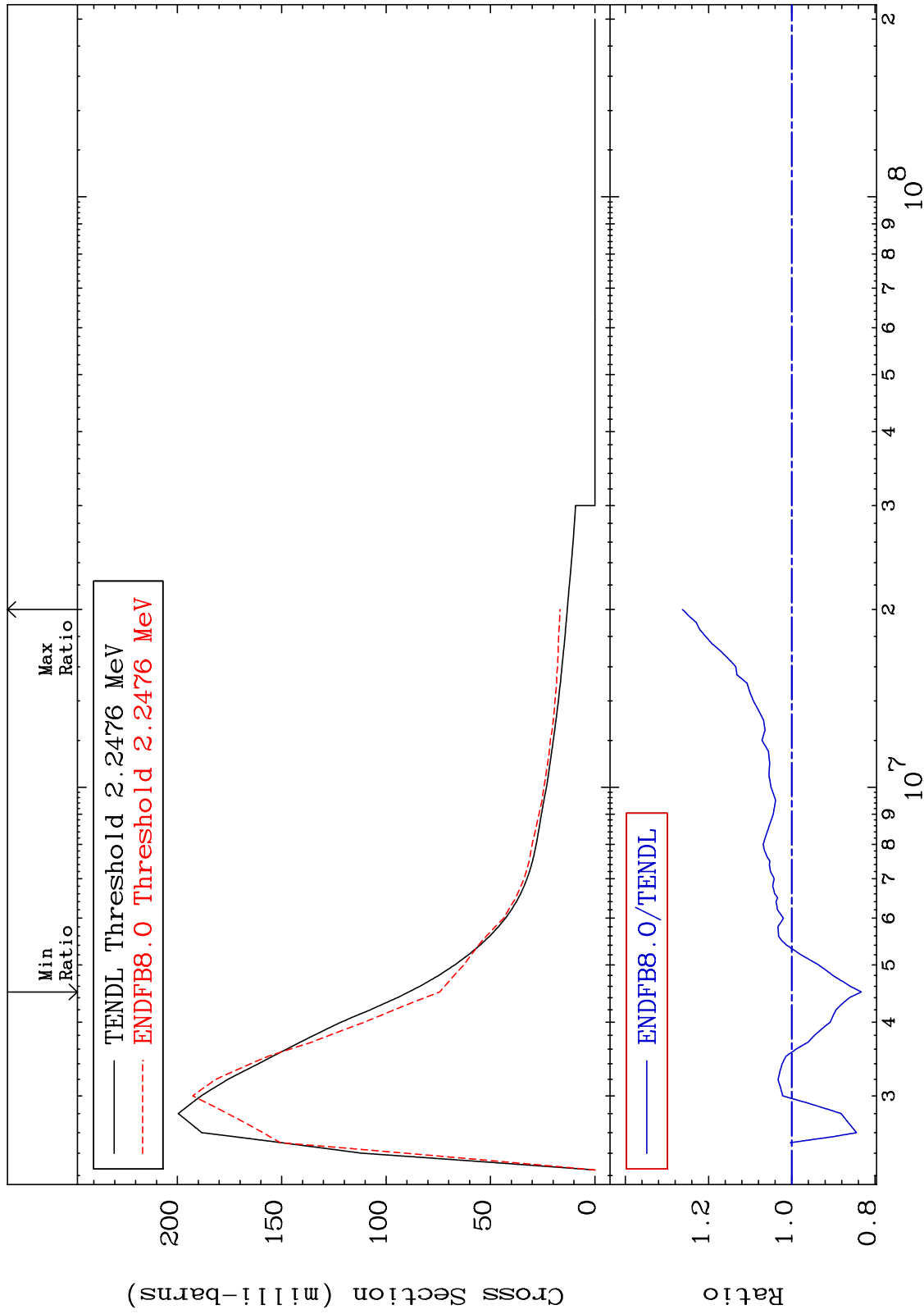
Incident Energy (eV)

39-Y -89

MAT 3925

MT= 54 (n,n') Level  
Cross Section

39-Y -89  
-16.70 To 26.26 %



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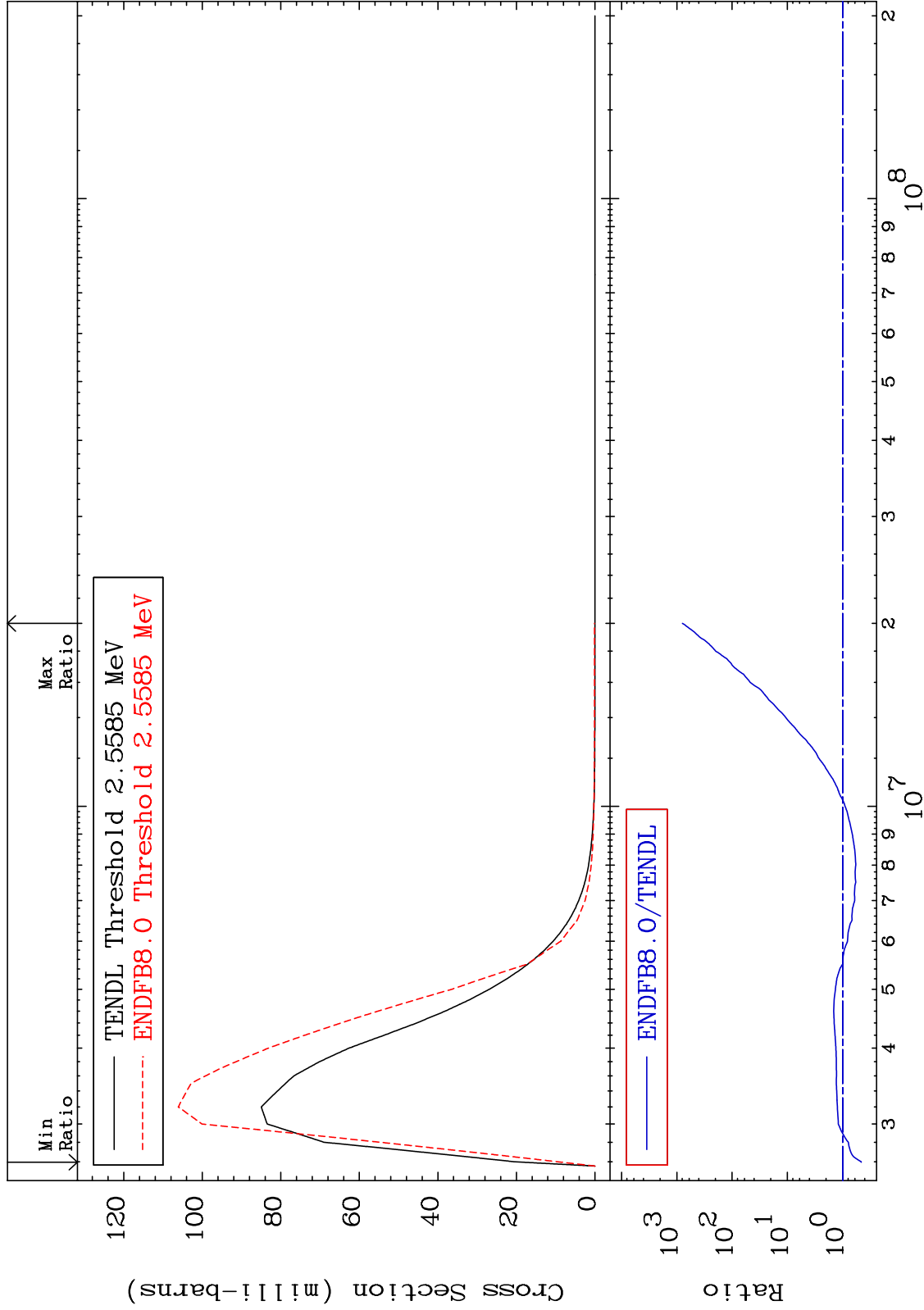
Incident Energy (eV)

39-Y -89

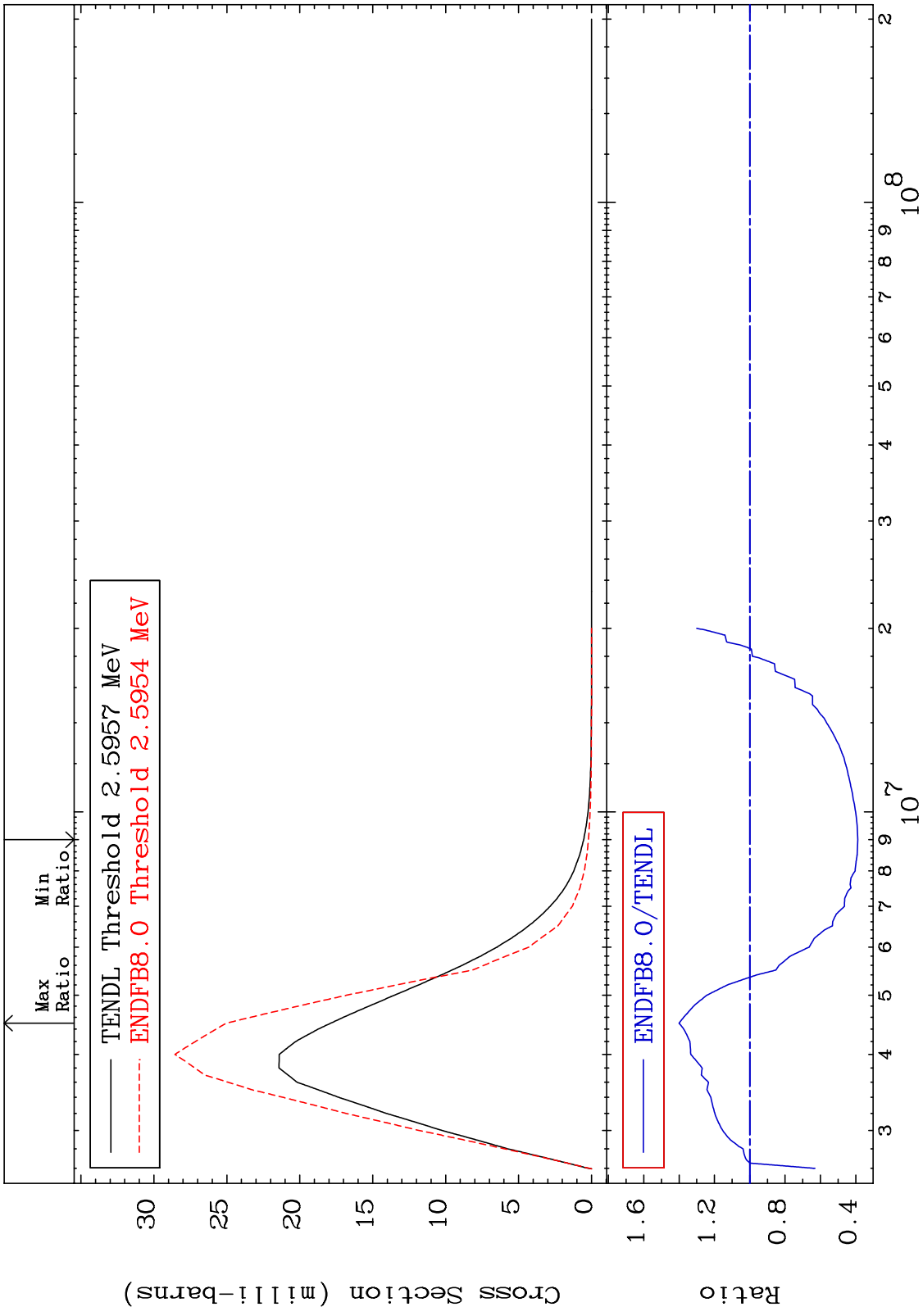
MAT 3925

MT= 55 (n,n') Level  
Cross Section

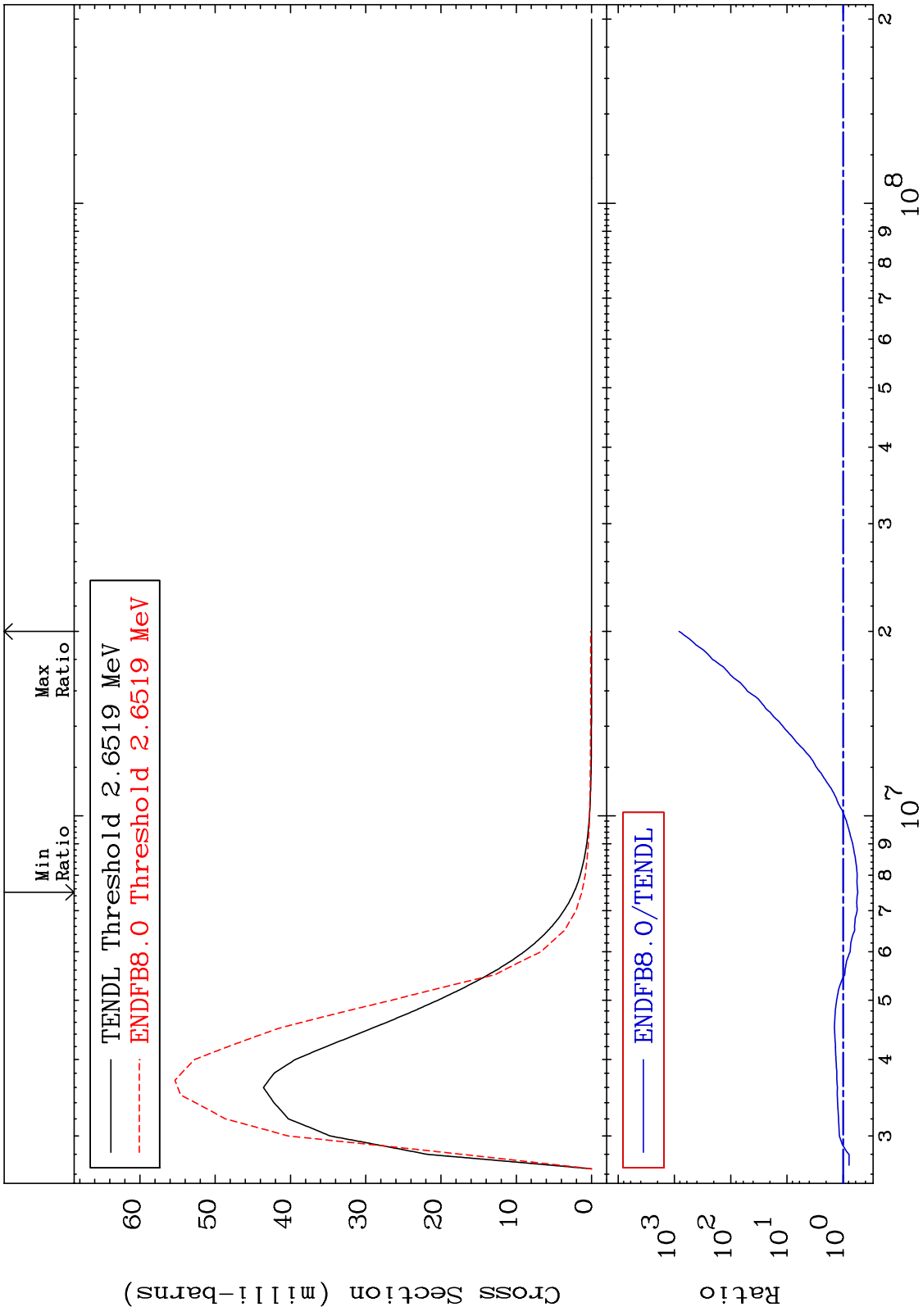
39-Y -89  
-53.88 To 9999. %



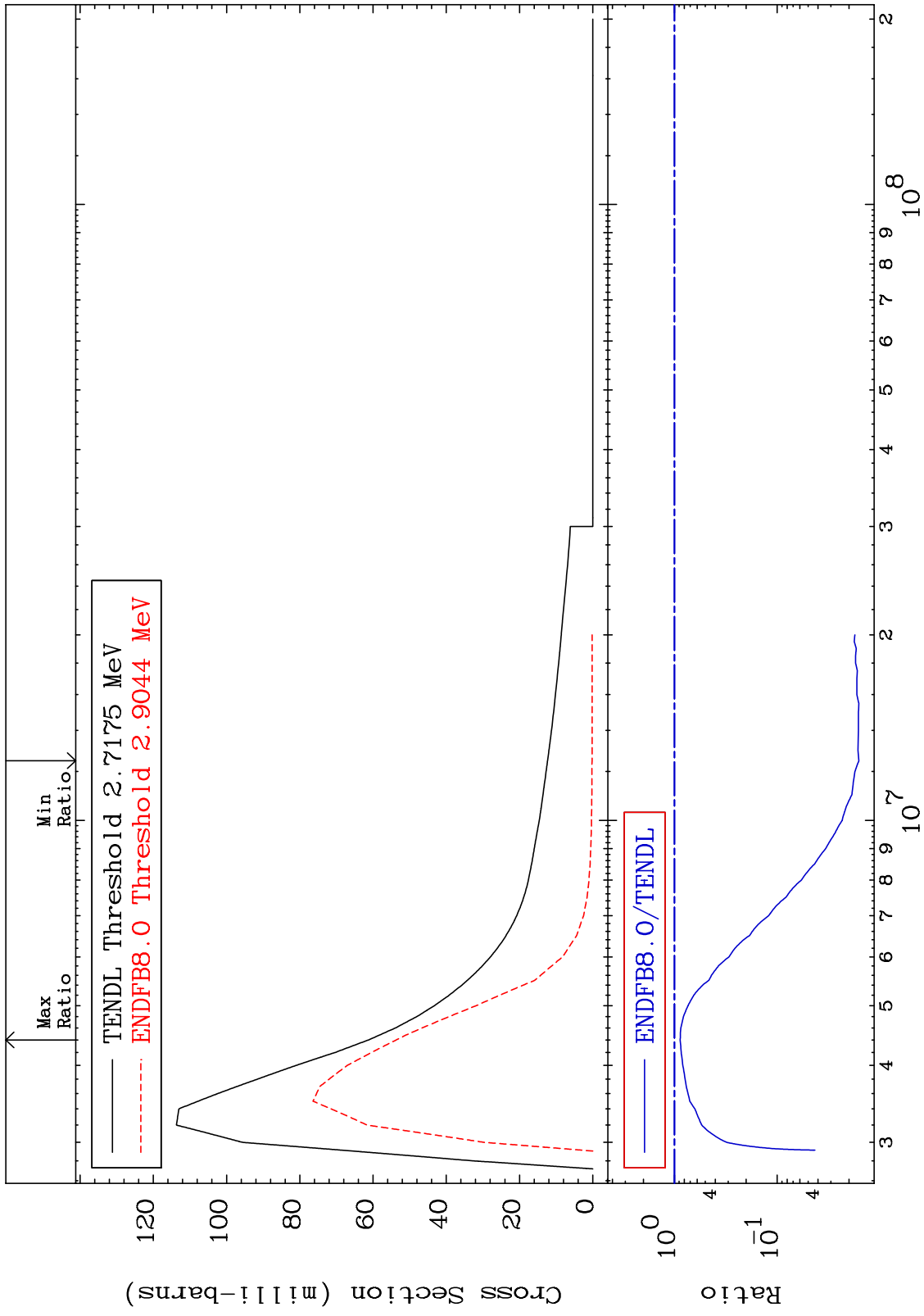
MAT 3925 MT= 56 (n,n') Level Cross Section -61.18 To 40.03 % 39-Y -89



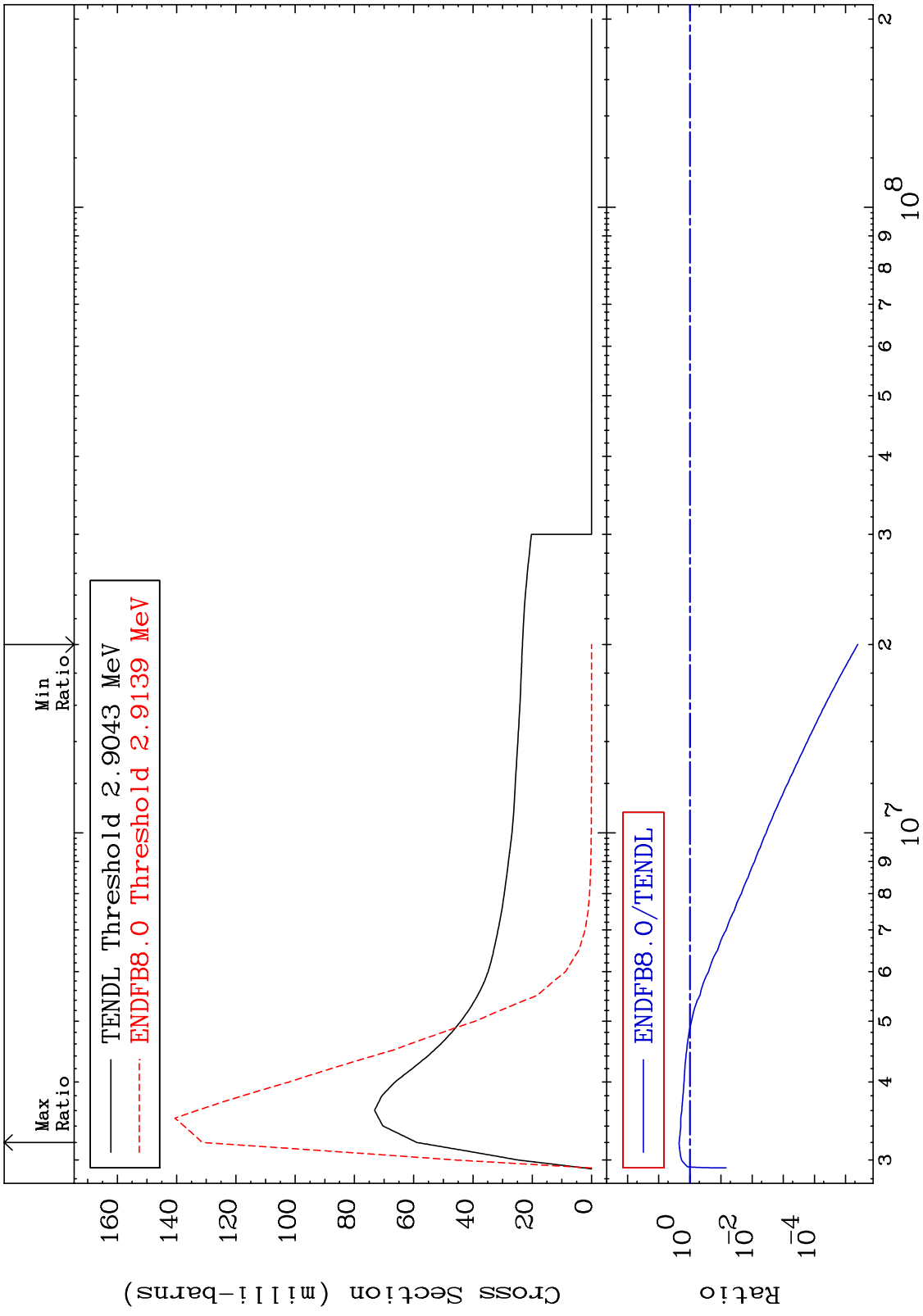
MAT 3925 MT= 57 (n,n') Level Cross Section -45.35 To 9999. % 39-Y -89



MAT 3925 MT= 58 (n,n') Level Cross Section 39-Y -89  
 -98.40 To -12.28%



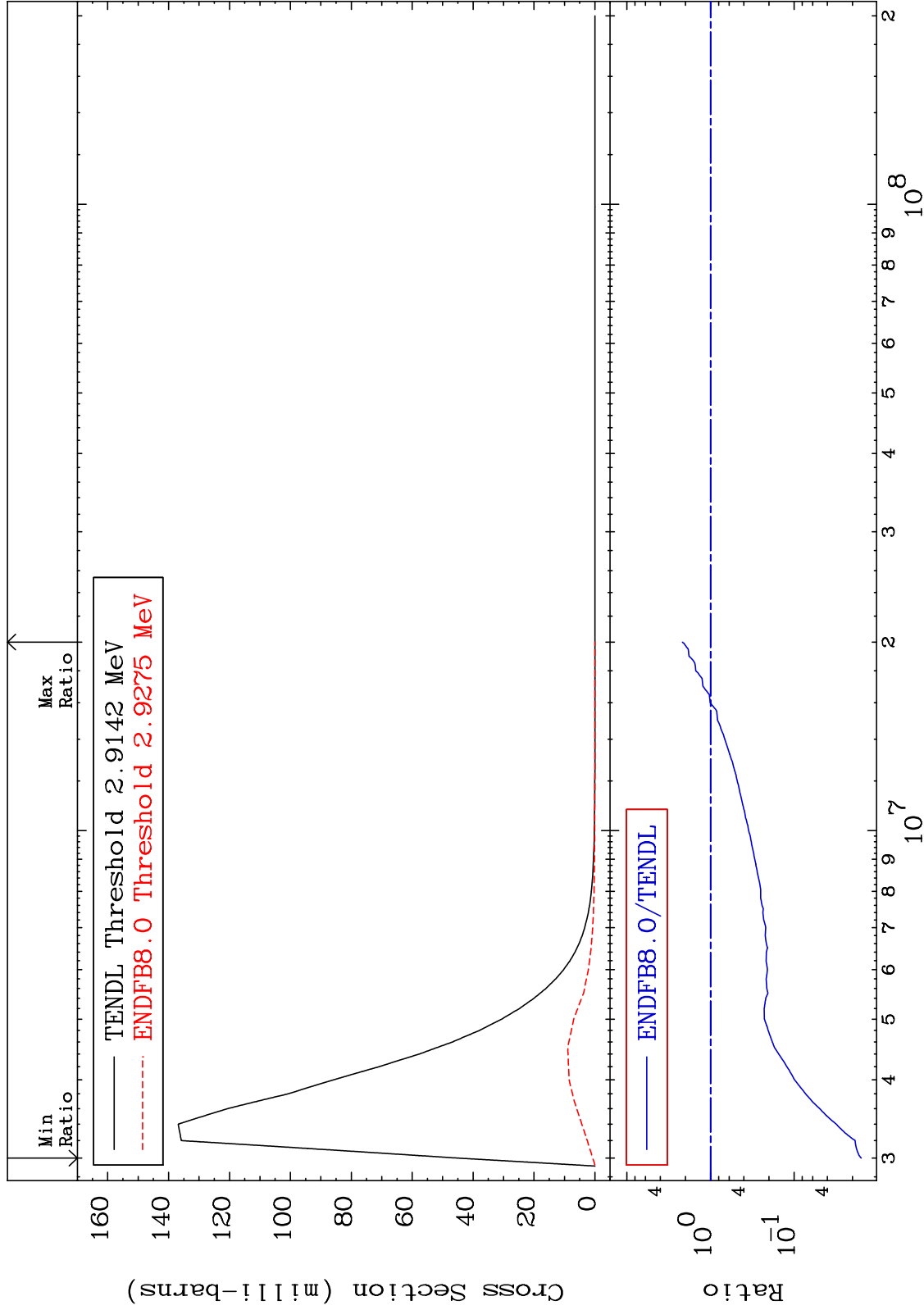
MAT 3925 MT= 59 (n,n') Level Cross Section -100.0 To 122.8 % 39-Y -89



MAT 3925

MT= 60 (n,n') Level  
Cross Section

39-Y -89  
-98.43 To 116.8 %

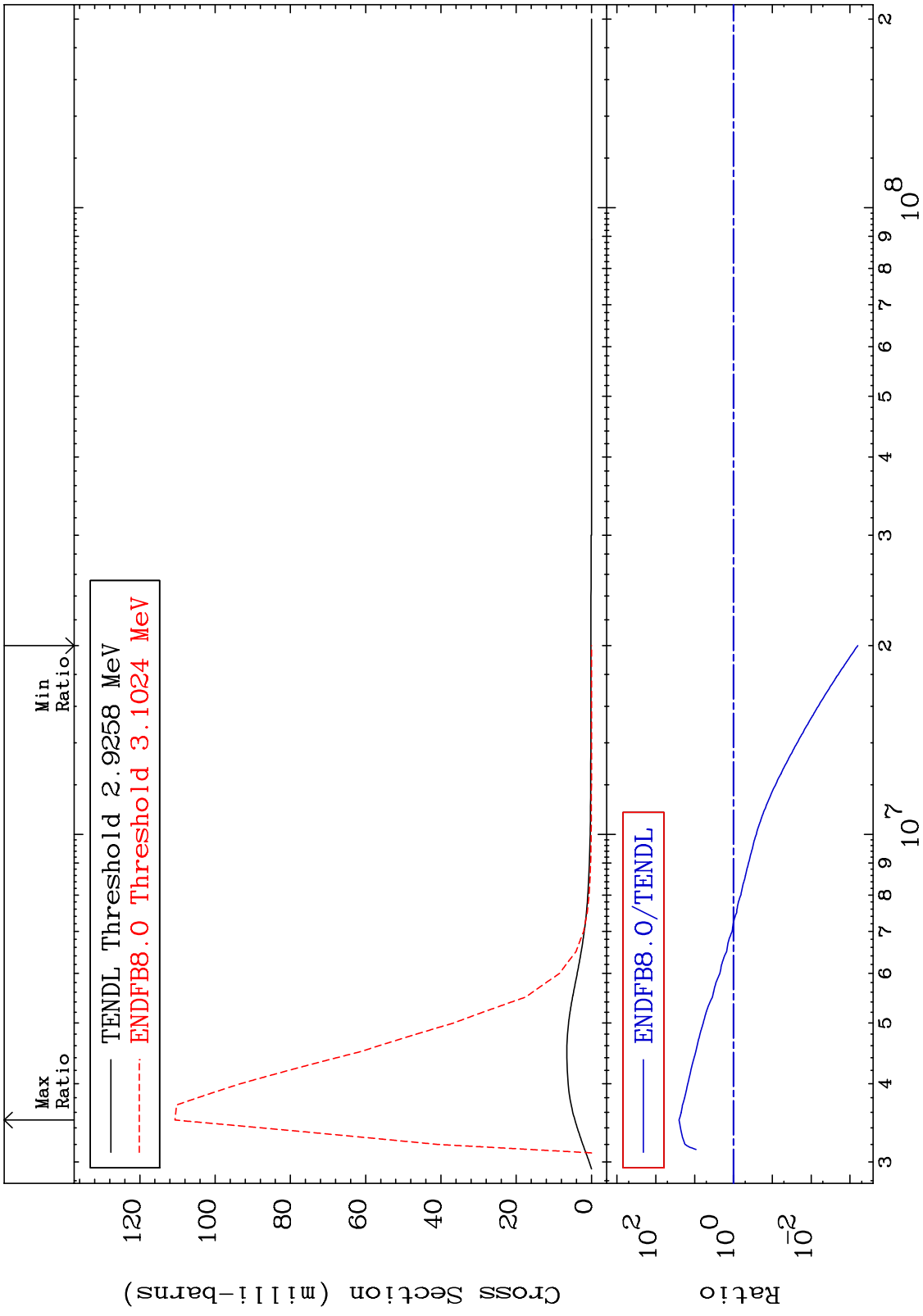


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Incident Energy (eV)

39-Y -89

MAT 3925 MT= 61 (n,n') Level Cross Section -99.94 To 2418. % 39-Y -89

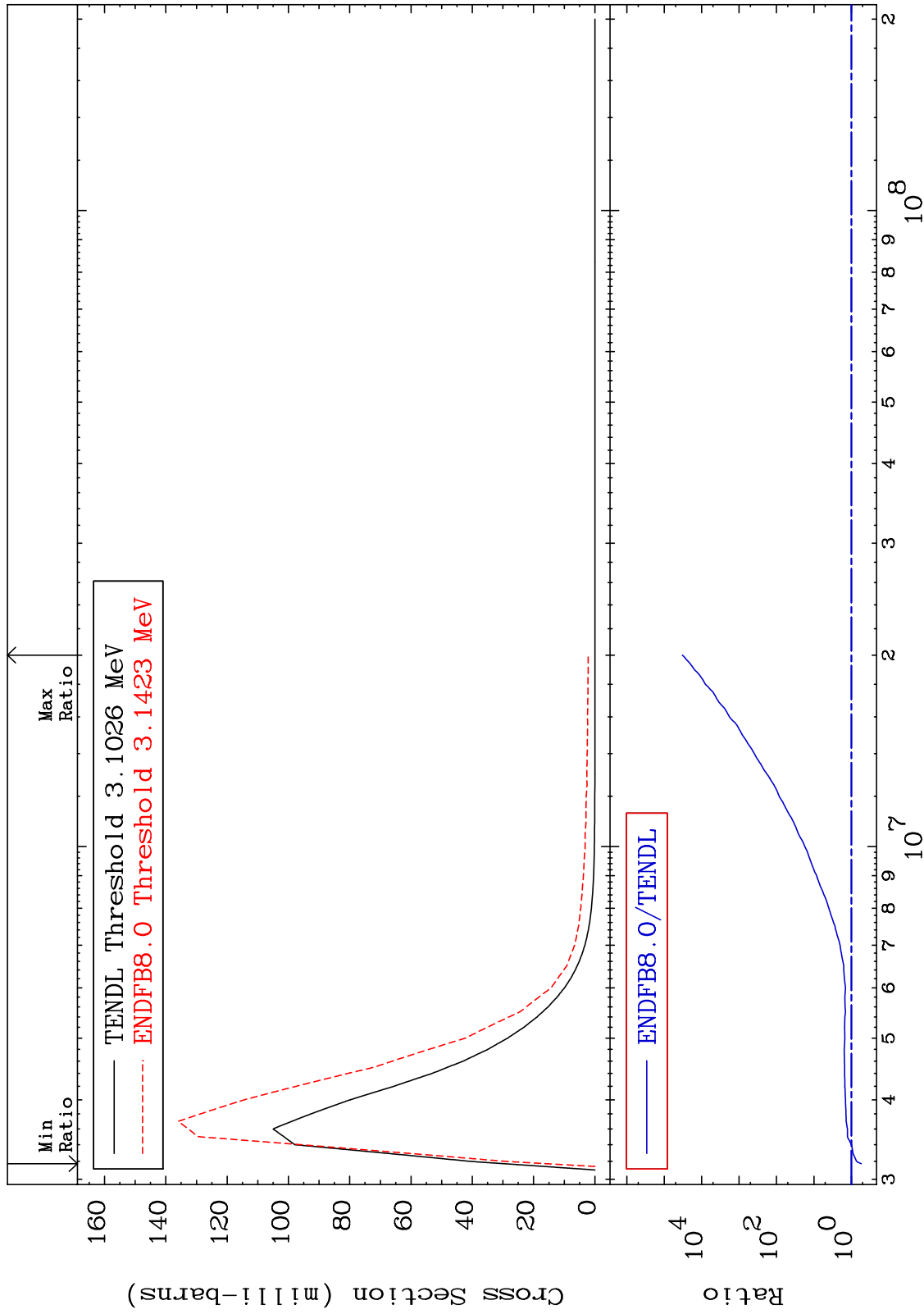


17 Incident Energy (eV) 39-Y -89

MAT 3925

MT= 62 (n,n') Level  
Cross Section

39-Y -89  
-45.89 To 9999. %

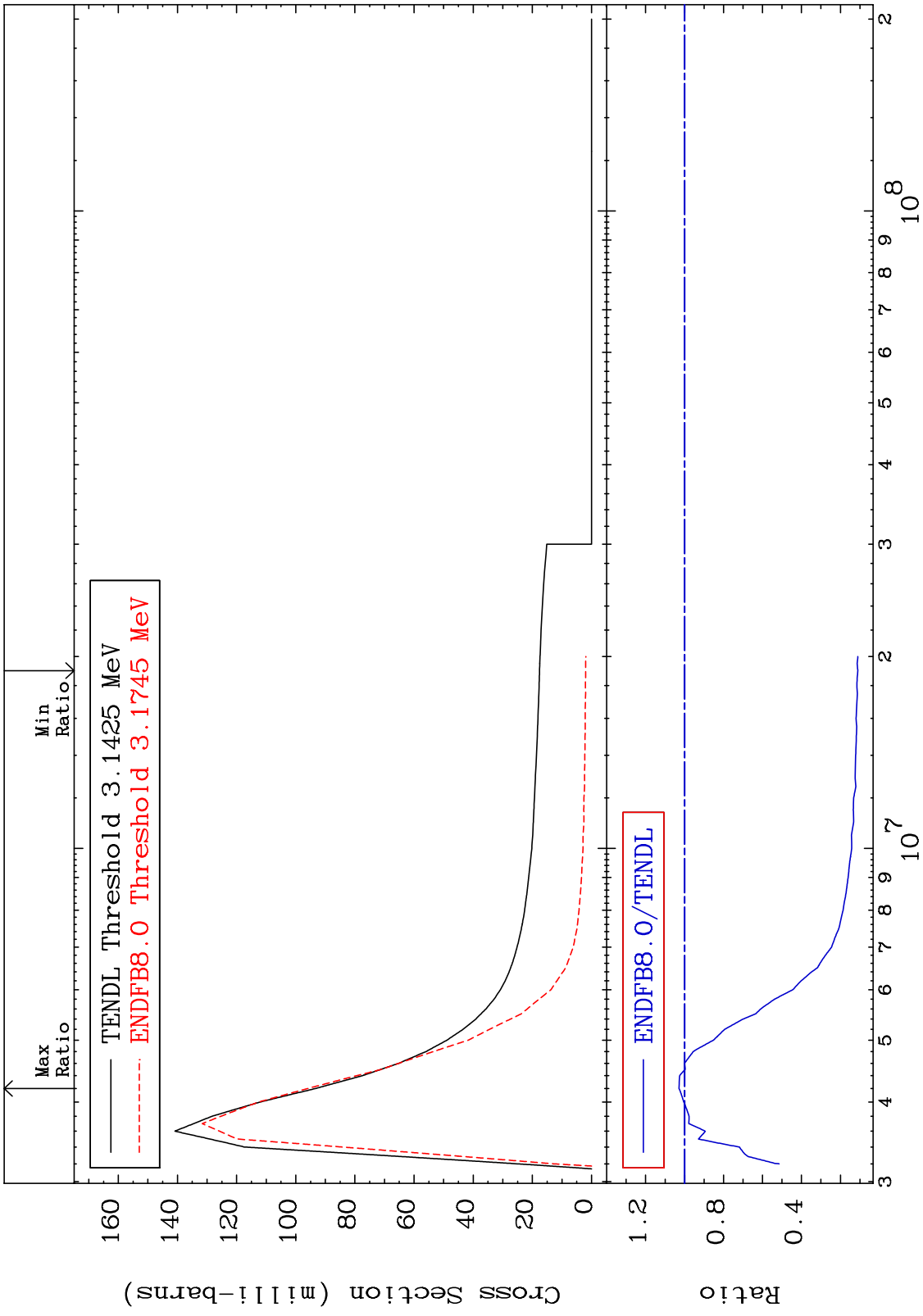


18

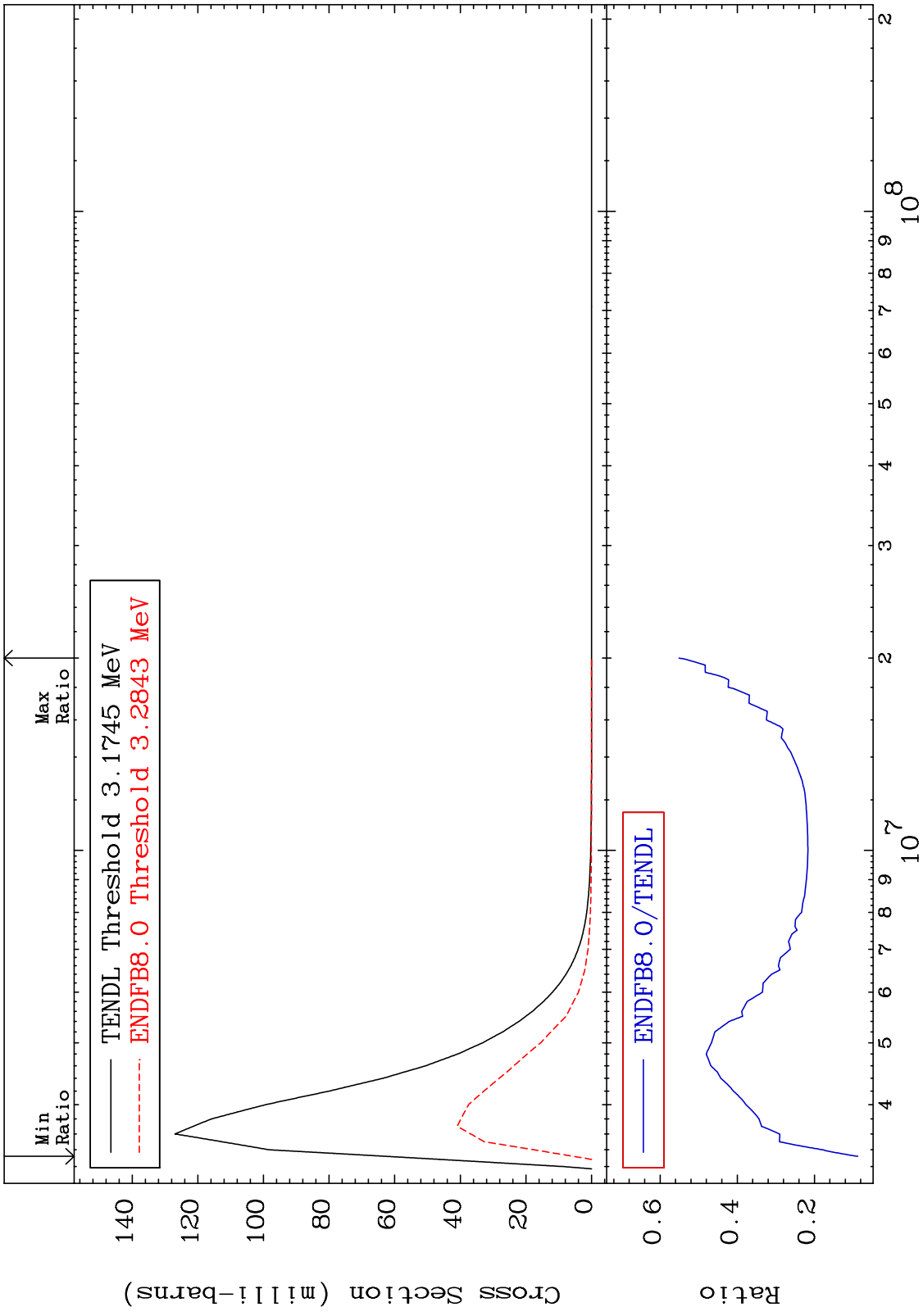
Incident Energy (eV)

39-Y -89

MAT 3925 MT= 63 (n,n') Level Cross Section -88.94 To 2.841 % 39-Y -89



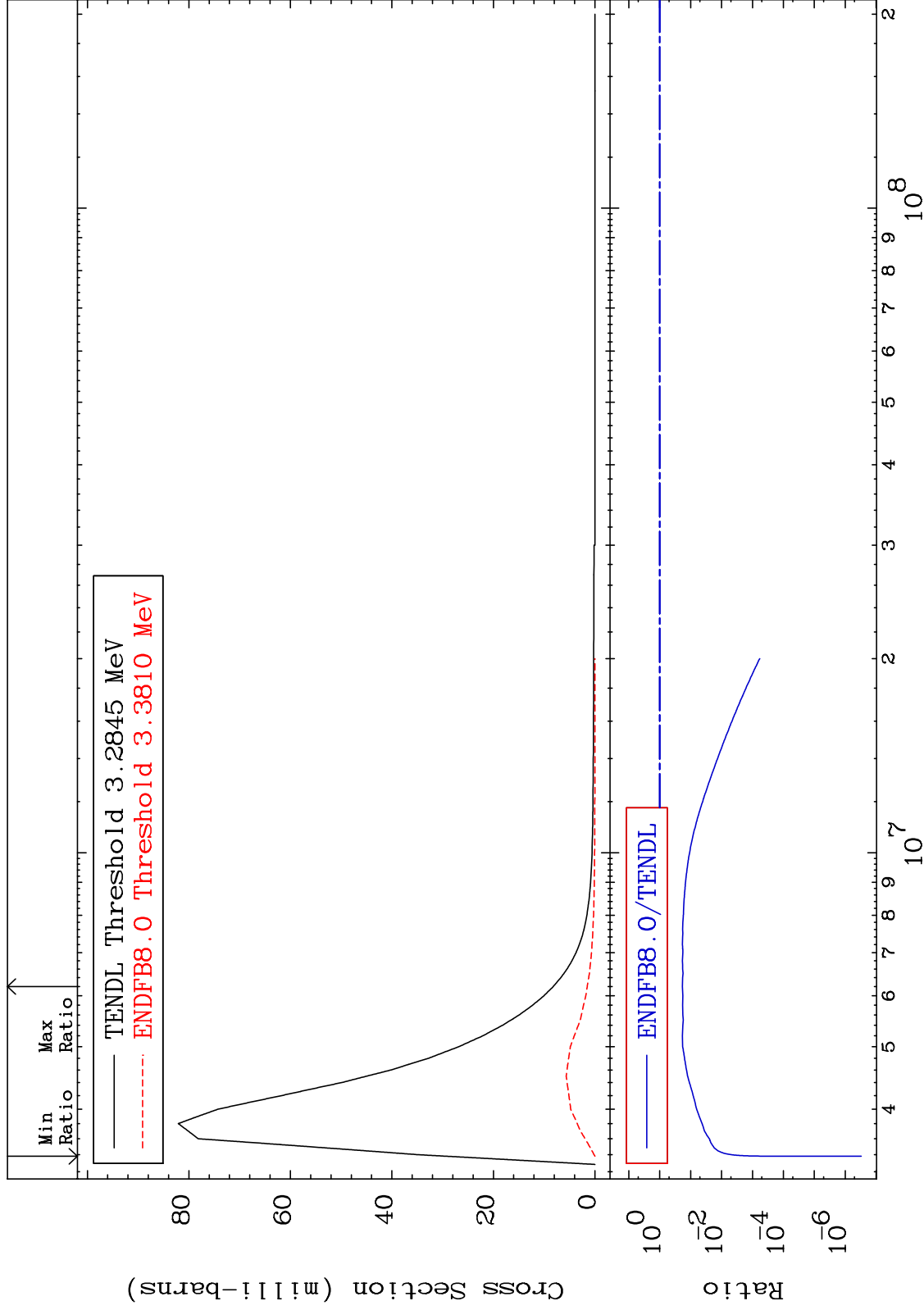
MAT 3925 MT= 64 (n,n') Level Cross Section 39-Y -89  
 -91.25 To -44.91%



MAT 3925

MT= 65 (n,n') Level  
Cross Section

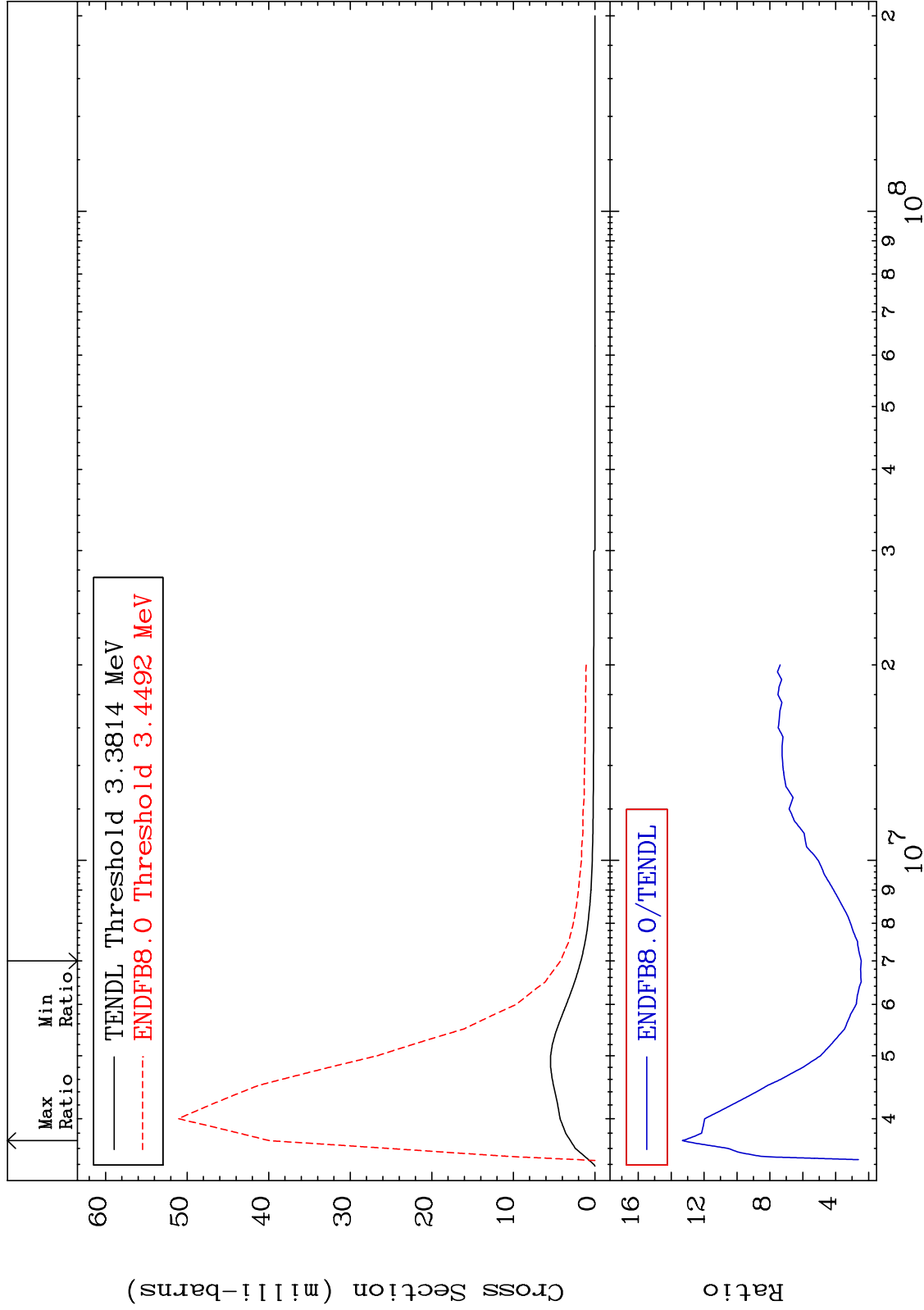
39-Y -89  
-100.0 To -81.58%



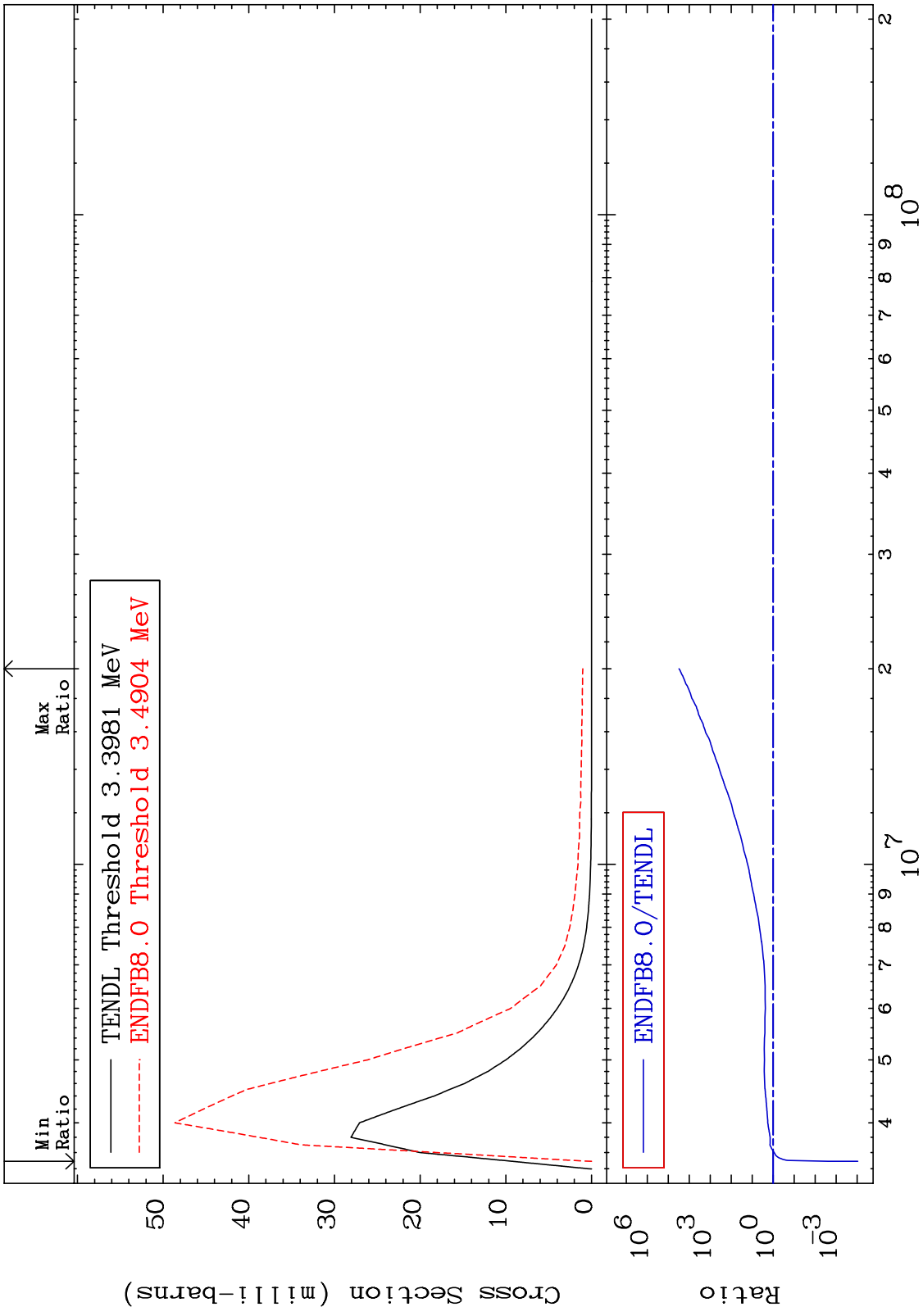
MAT 3925

MT= 66 (n,n') Level  
Cross Section

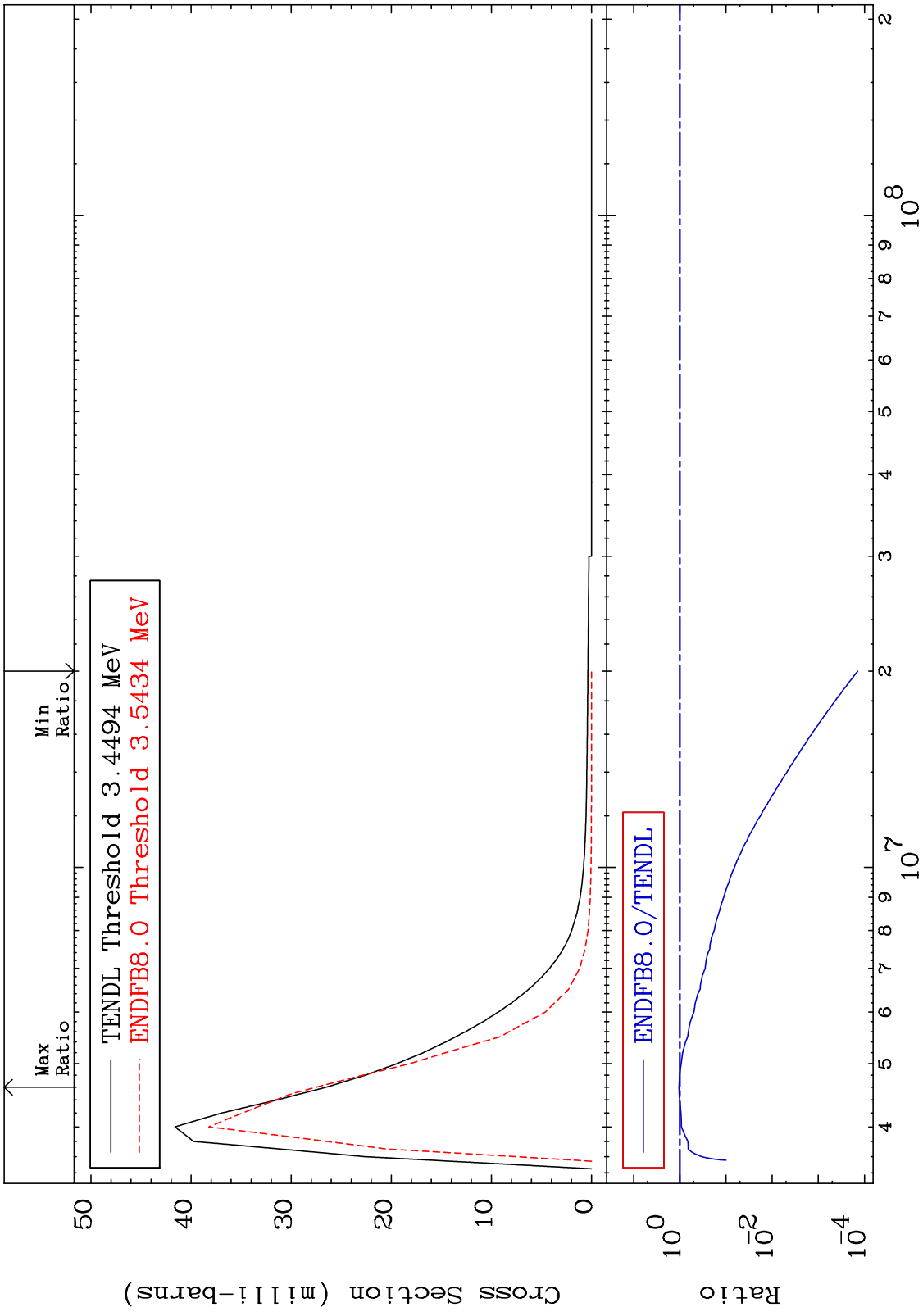
39-Y -89  
144.3 To 1231. %



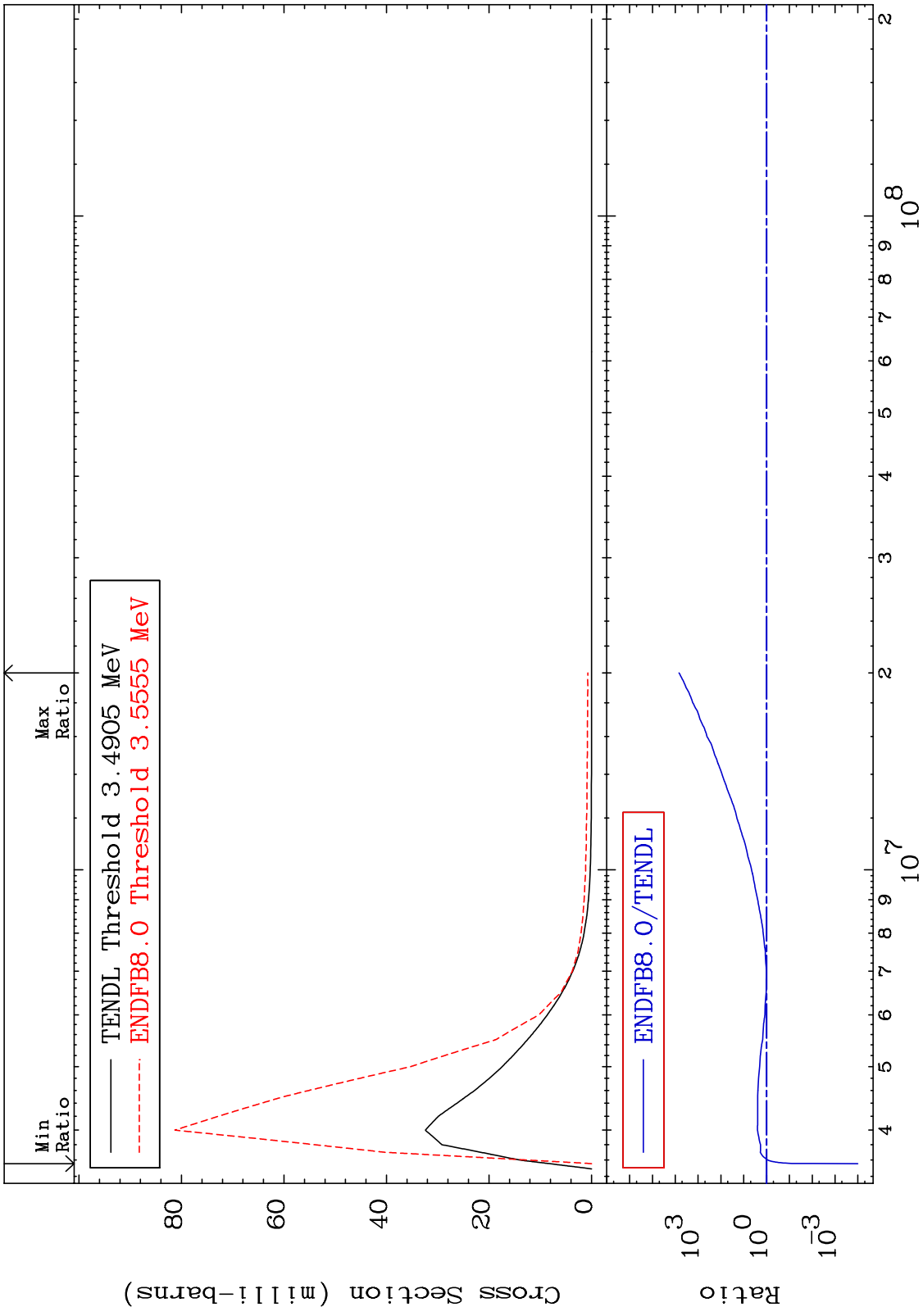
MAT 3925 MT= 67 (n,n') Level Cross Section 39-Y -89  
 -99.99 To 9999. %



MAT 3925 MT= 68 (n,n') Level Cross Section -99.99 To 3.795 % 39-Y -89



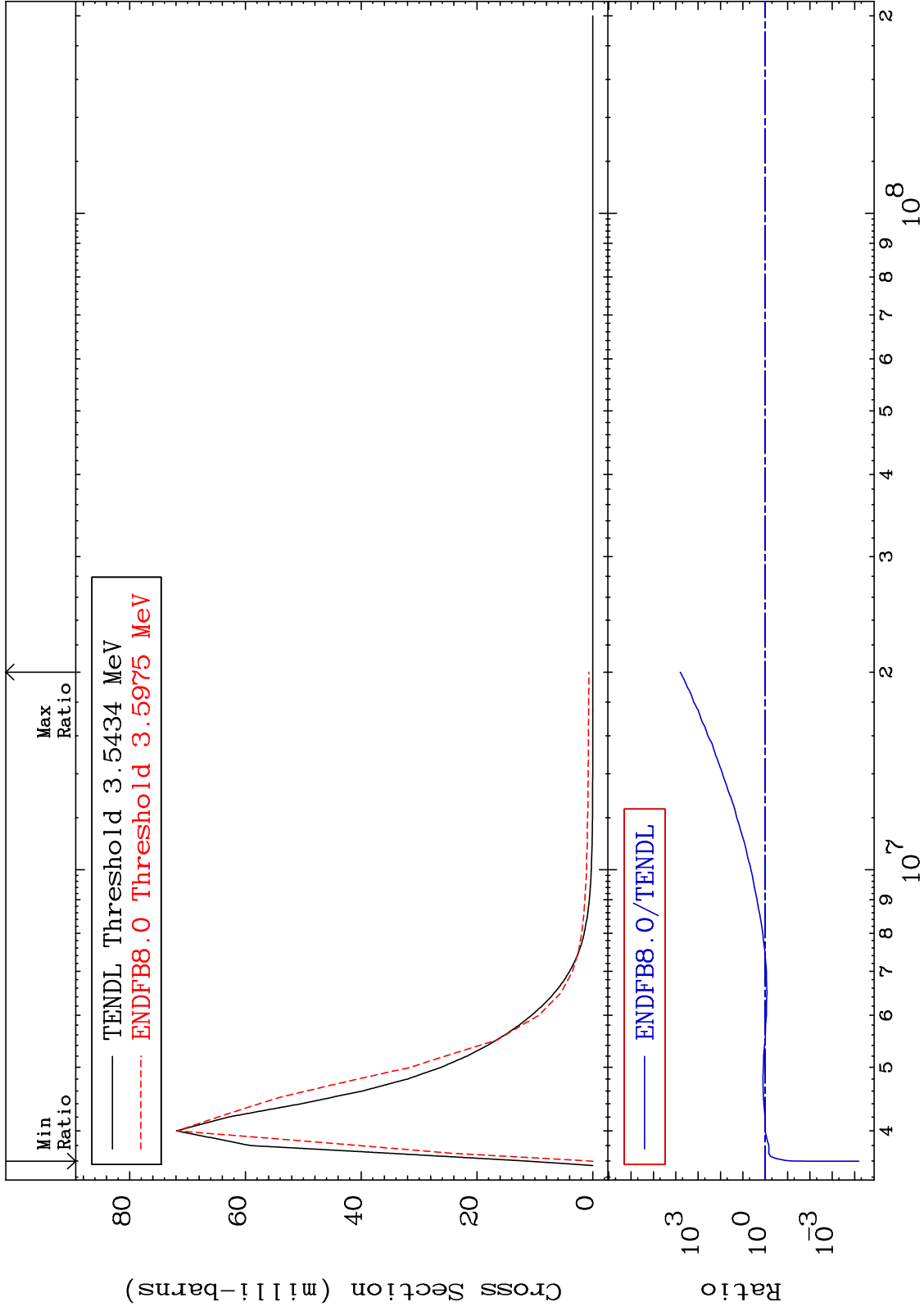
MAT 3925 MT= 69 (n,n') Level Cross Section -99.99 To 9999. % 39-Y -89



MAT 3925

MT= 70 (n,n') Level  
Cross Section

39-Y -89  
-99.99 To 9999. %

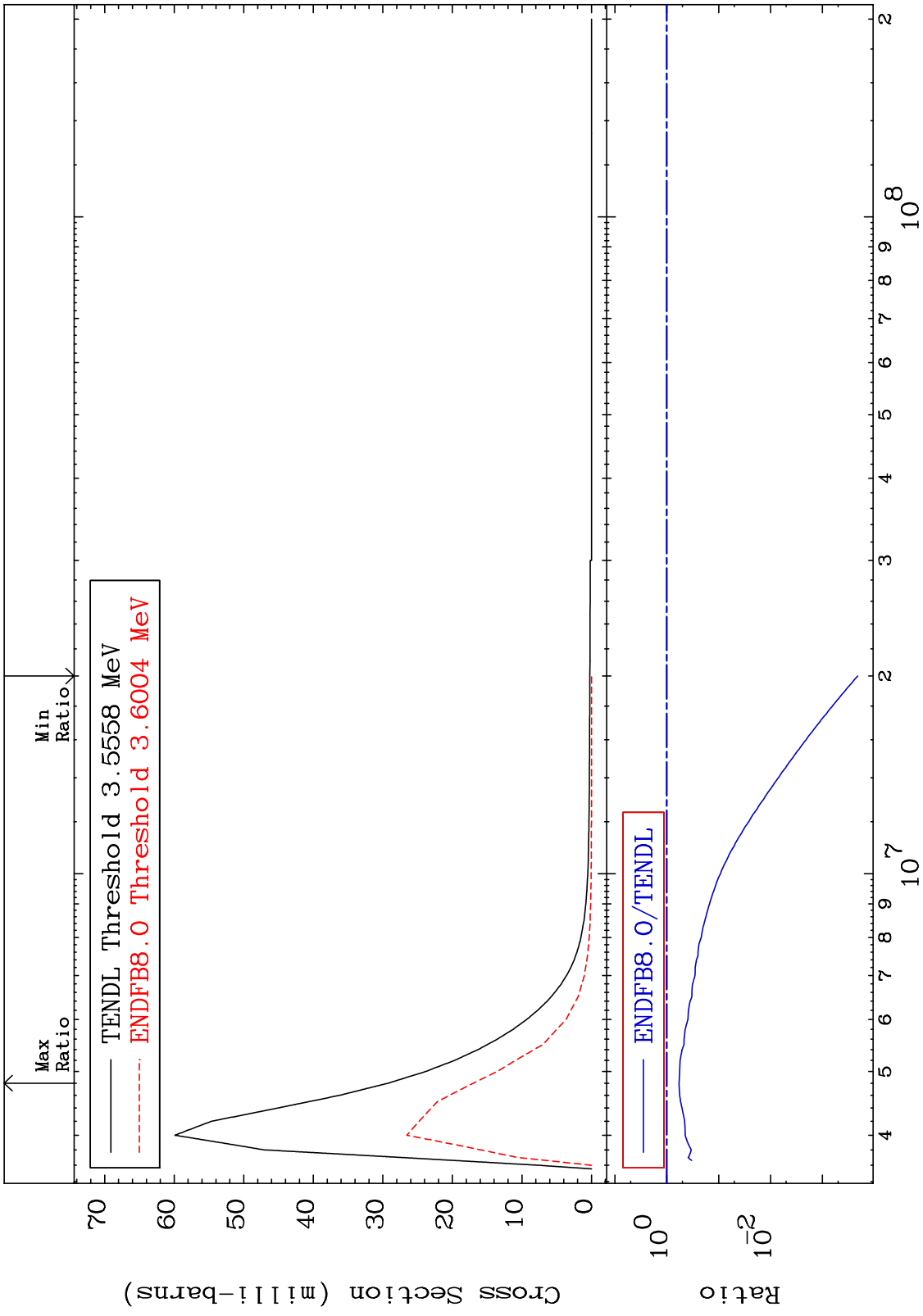


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Incident Energy (eV)

39-Y -89

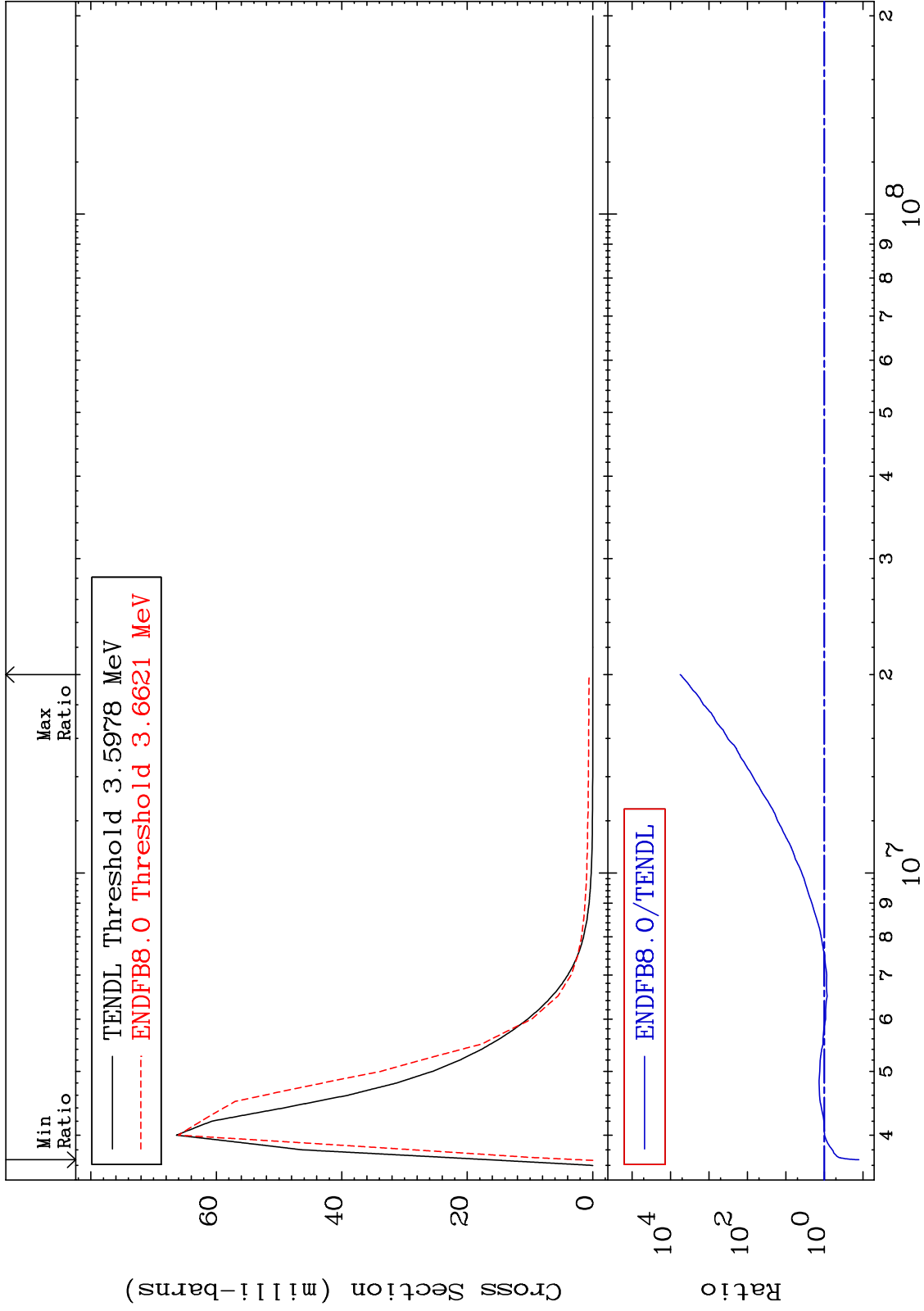
MAT 3925 MT= 71 (n,n') Level Cross Section 39-Y -89  
 -99.98 To -41.84%



MAT 3925

MT= 72 (n,n') Level  
Cross Section

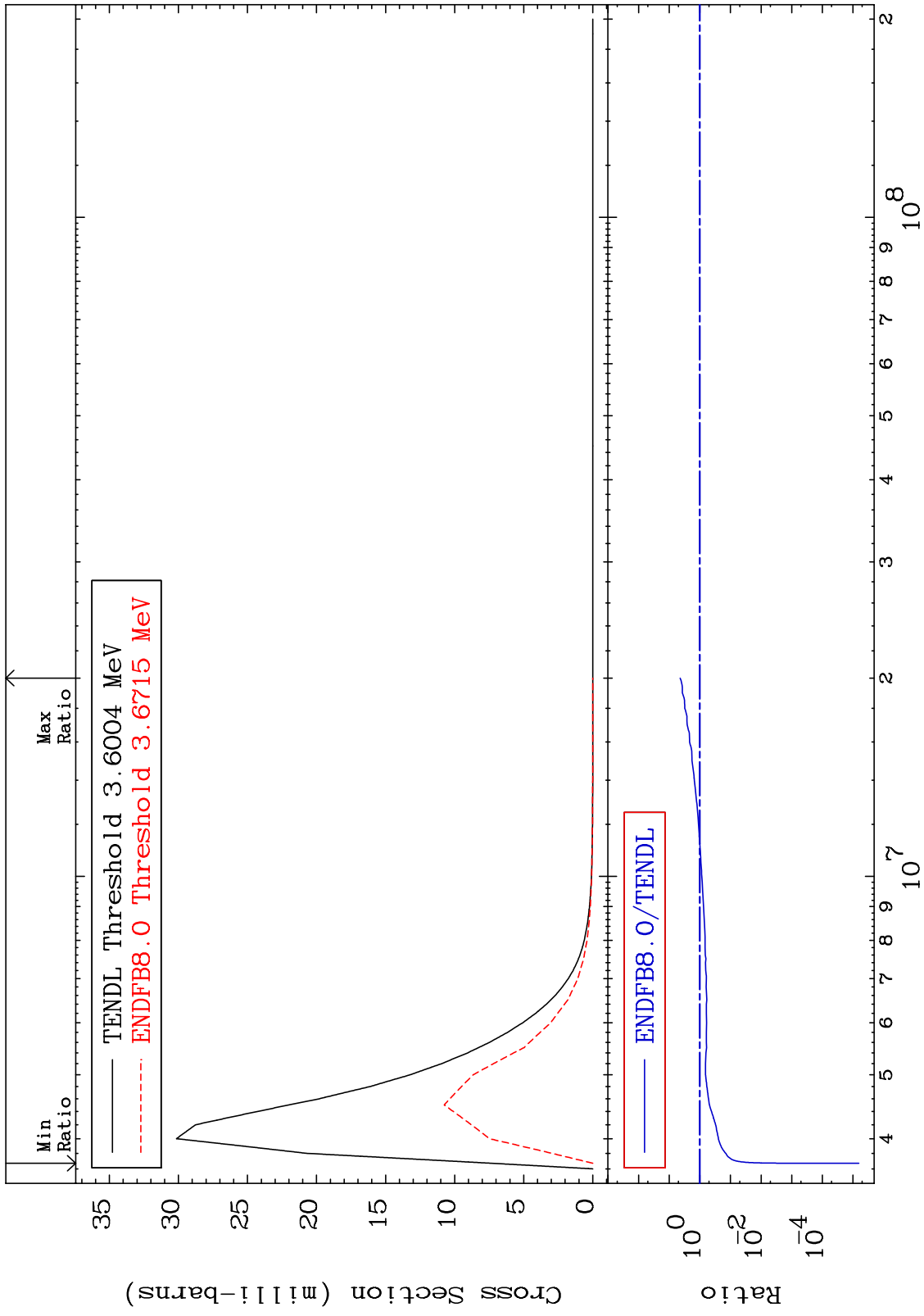
39-Y -89  
-87.29 To 9999. %



MAT 3925

MT= 73 (n,n') Level  
Cross Section

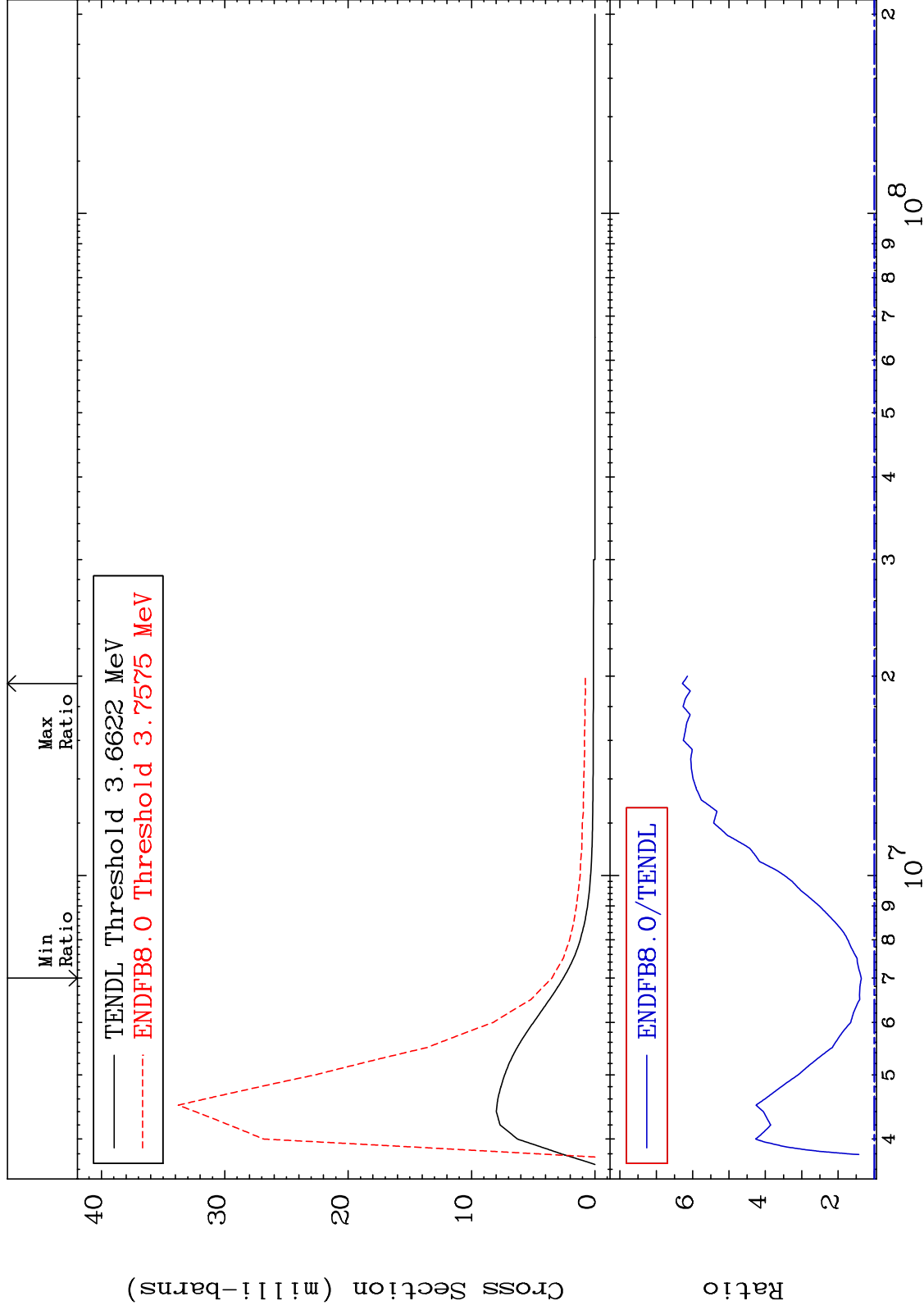
39-Y -89  
-100.0 To 338.1 %



MAT 3925

MT= 74 (n,n') Level  
Cross Section

36.13 To 528.0 %  
39-Y -89

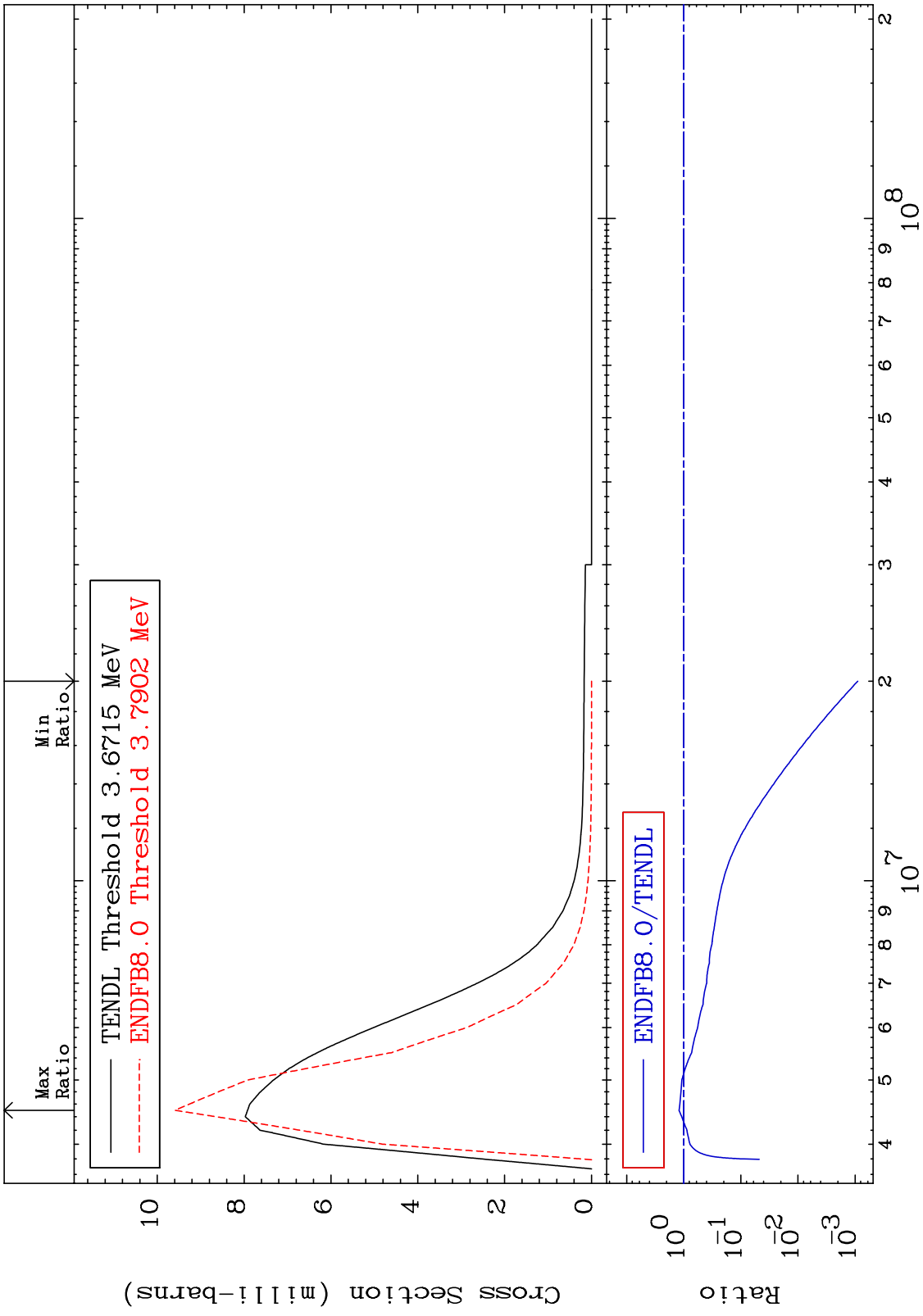


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Incident Energy (eV)

39-Y -89

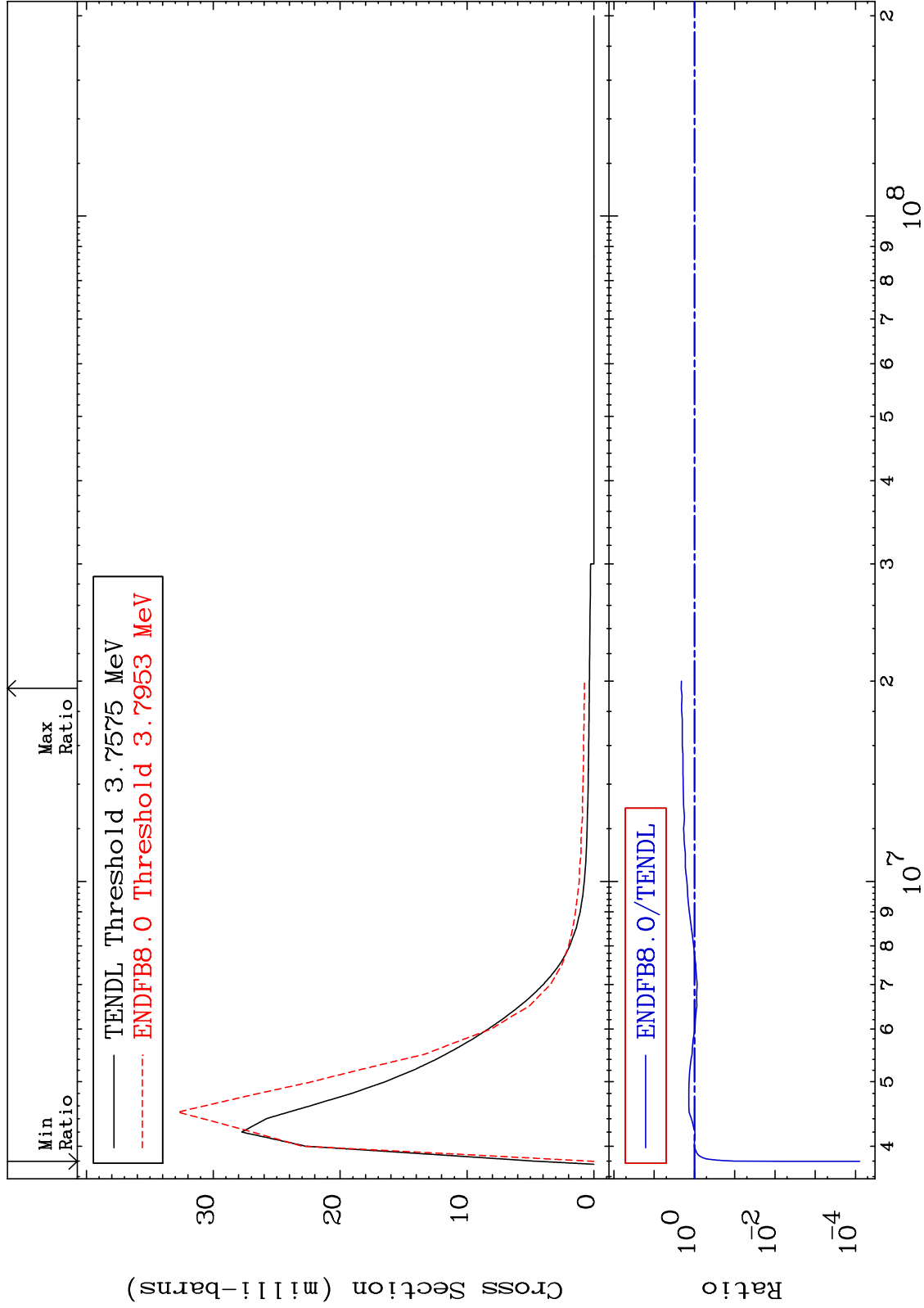
MAT 3925 MT= 75 (n,n') Level Cross Section -99.91 To 21.11 % 39-Y -89



MAT 3925

MT= 76 (n,n') Level  
Cross Section

39-Y -89  
-99.99 To 112.2 %



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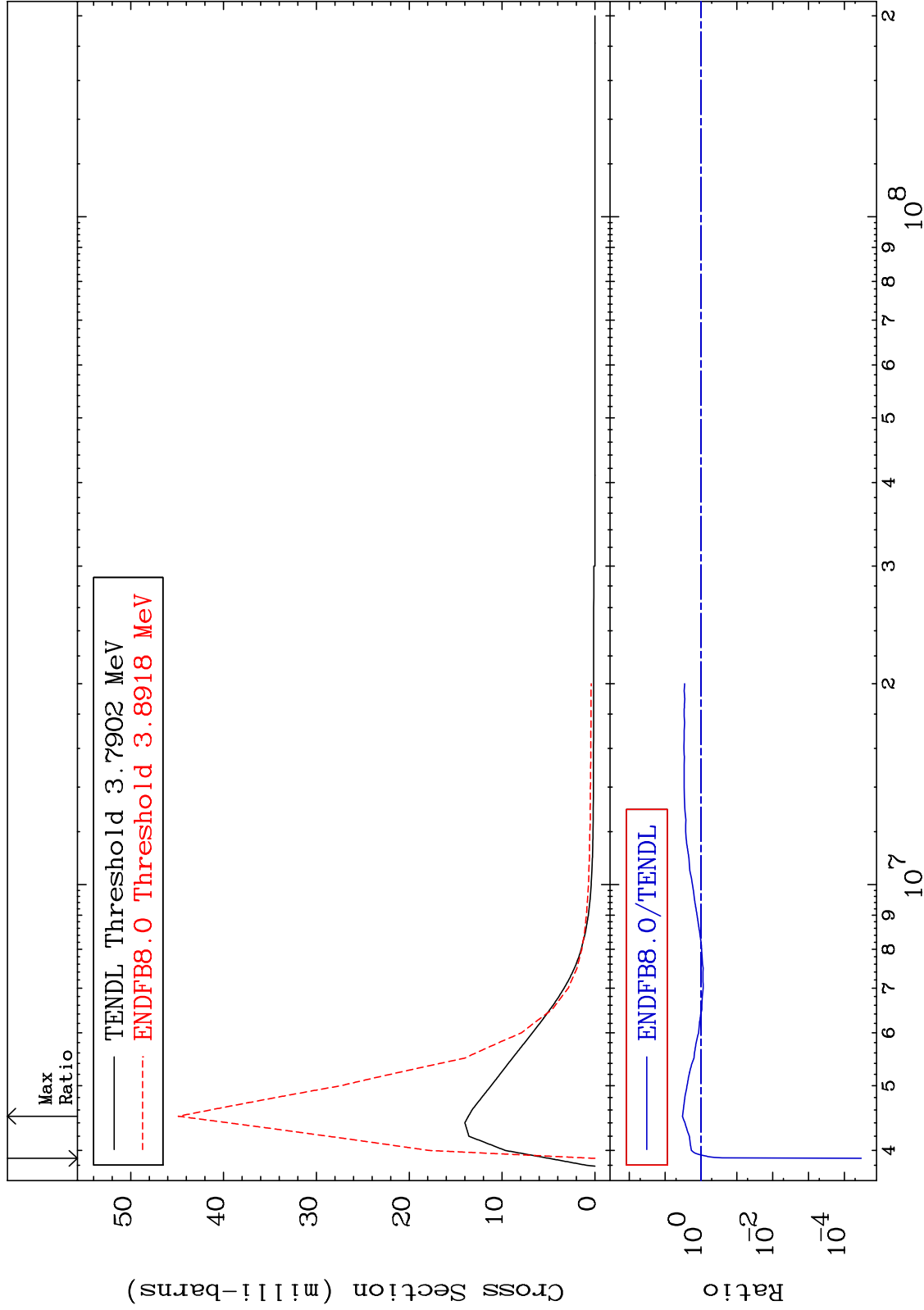
Incident Energy (eV)

39-Y -89

MAT 3925

MT= 77 (n,n') Level  
Cross Section

39-Y -89  
-100.0 To 229.5 %

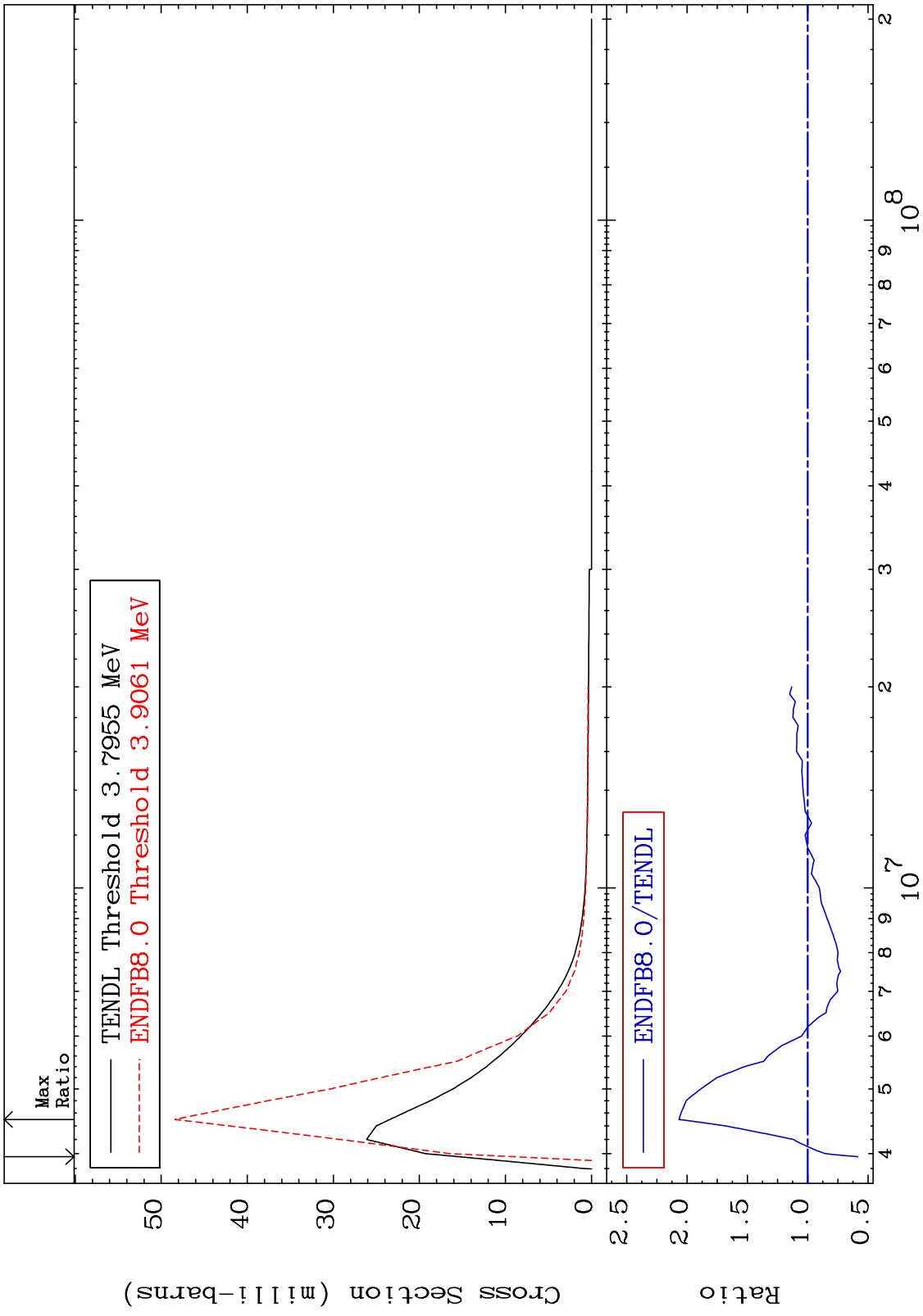


33

Incident Energy (eV)

39-Y -89

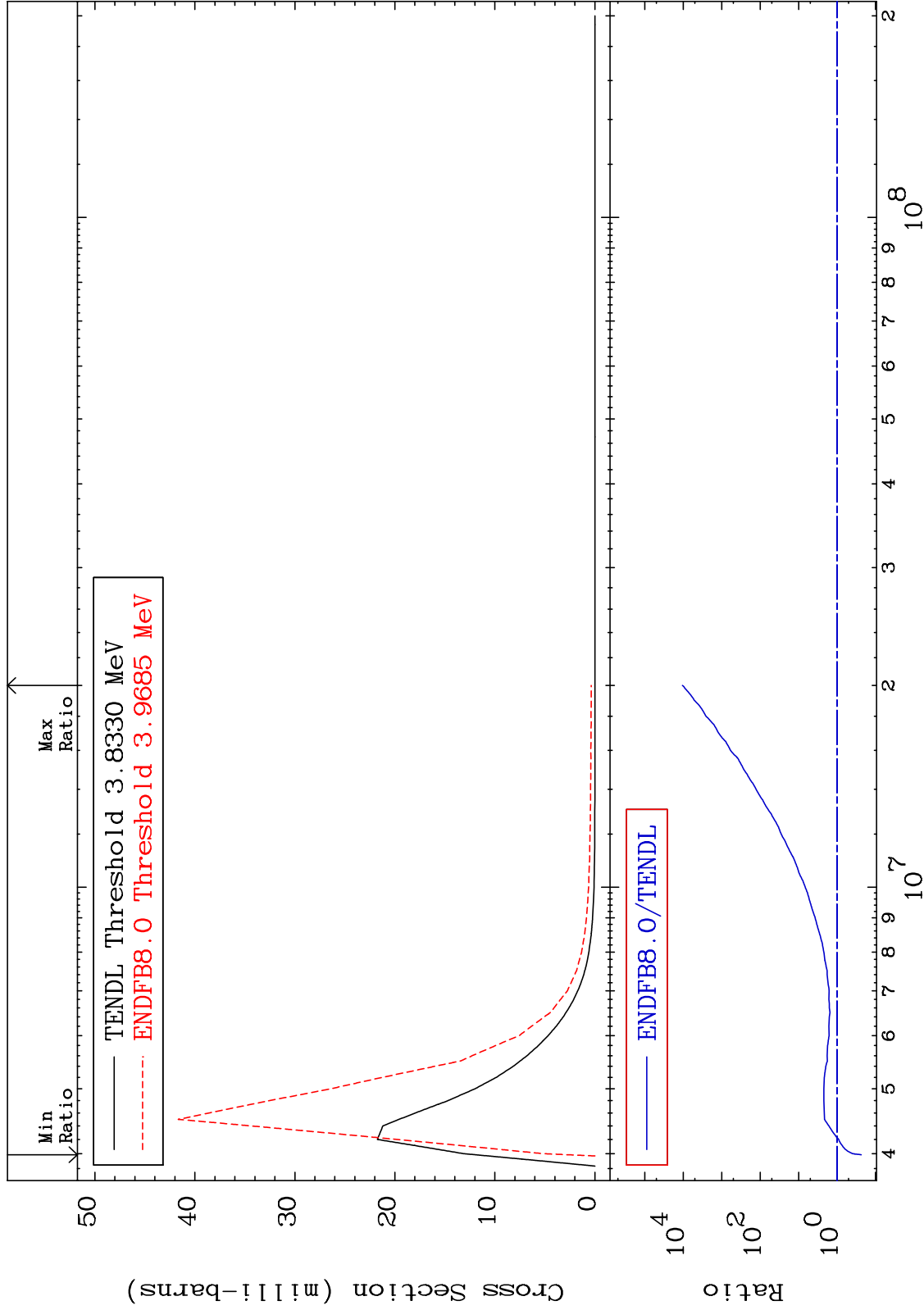
MAT 3925 MT= 78 (n,n') Level Cross Section 39-Y -89  
 -41.58 To 106.6 %



MAT 3925

MT= 79 (n,n') Level  
Cross Section

39-Y -89  
-76.53 To 9999. %

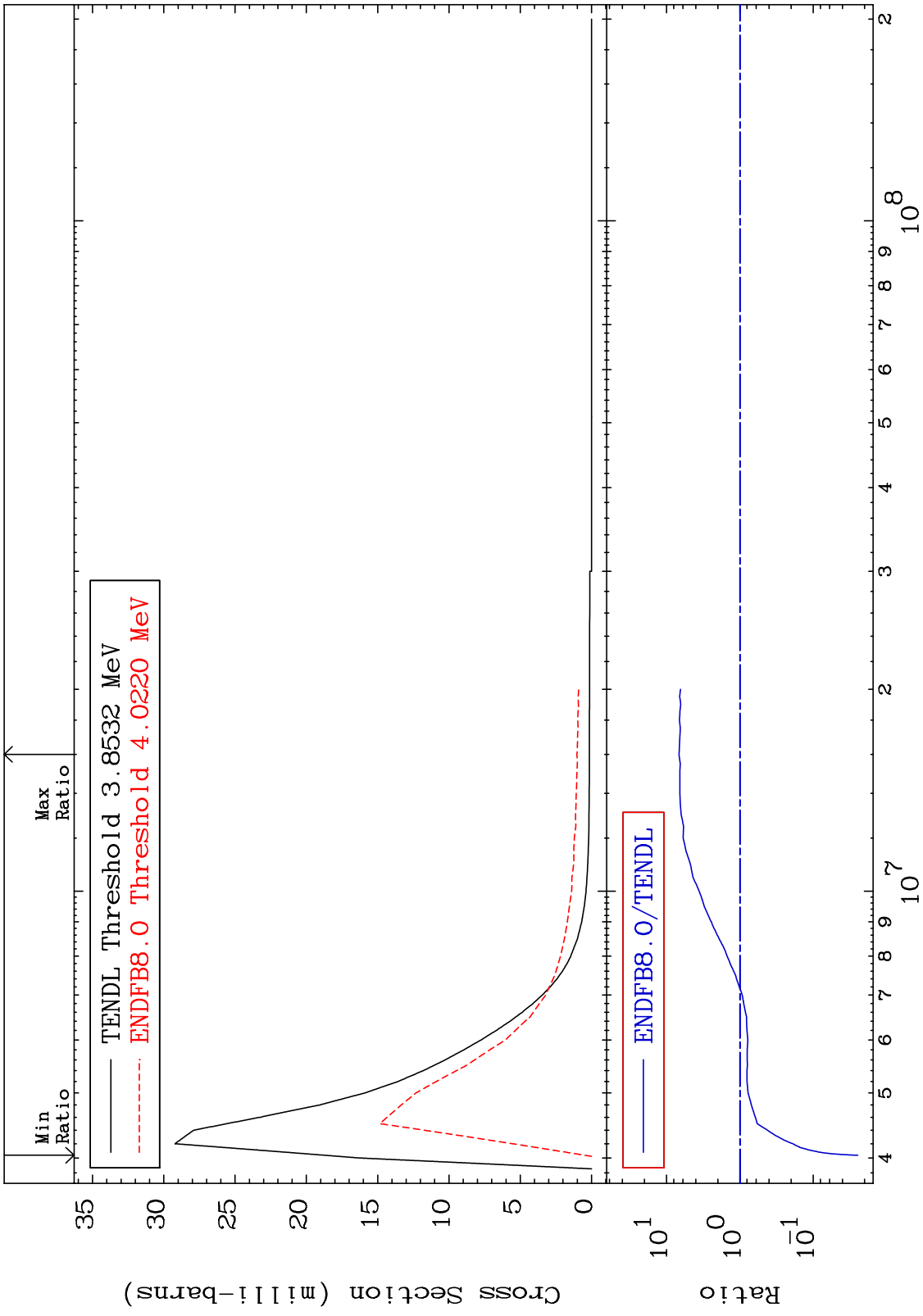


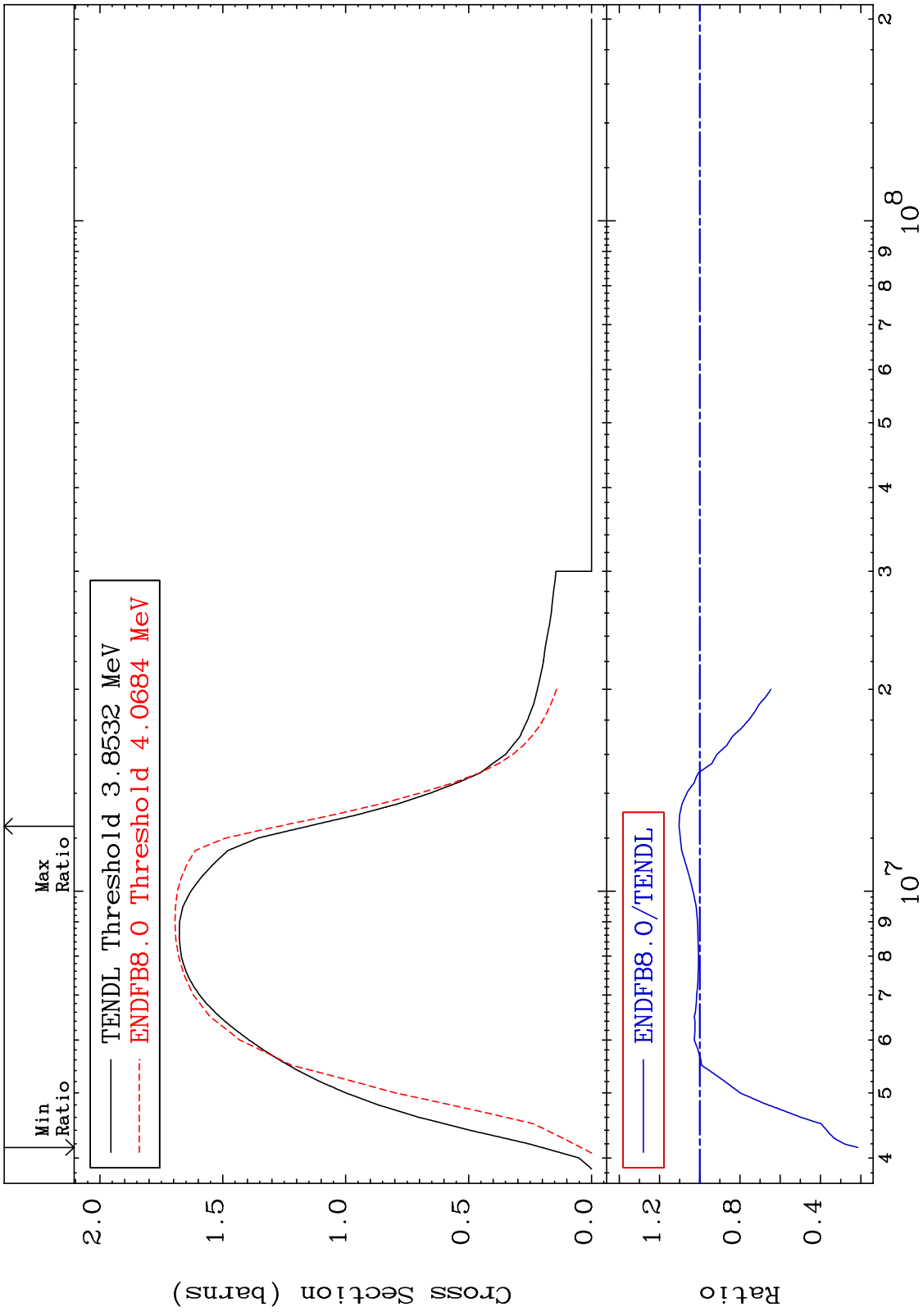
35

Incident Energy (eV)

39-Y -89

MAT 3925 MT= 80 (n,n') Level Cross Section 39-Y -89  
 -97.53 To 576.9 %





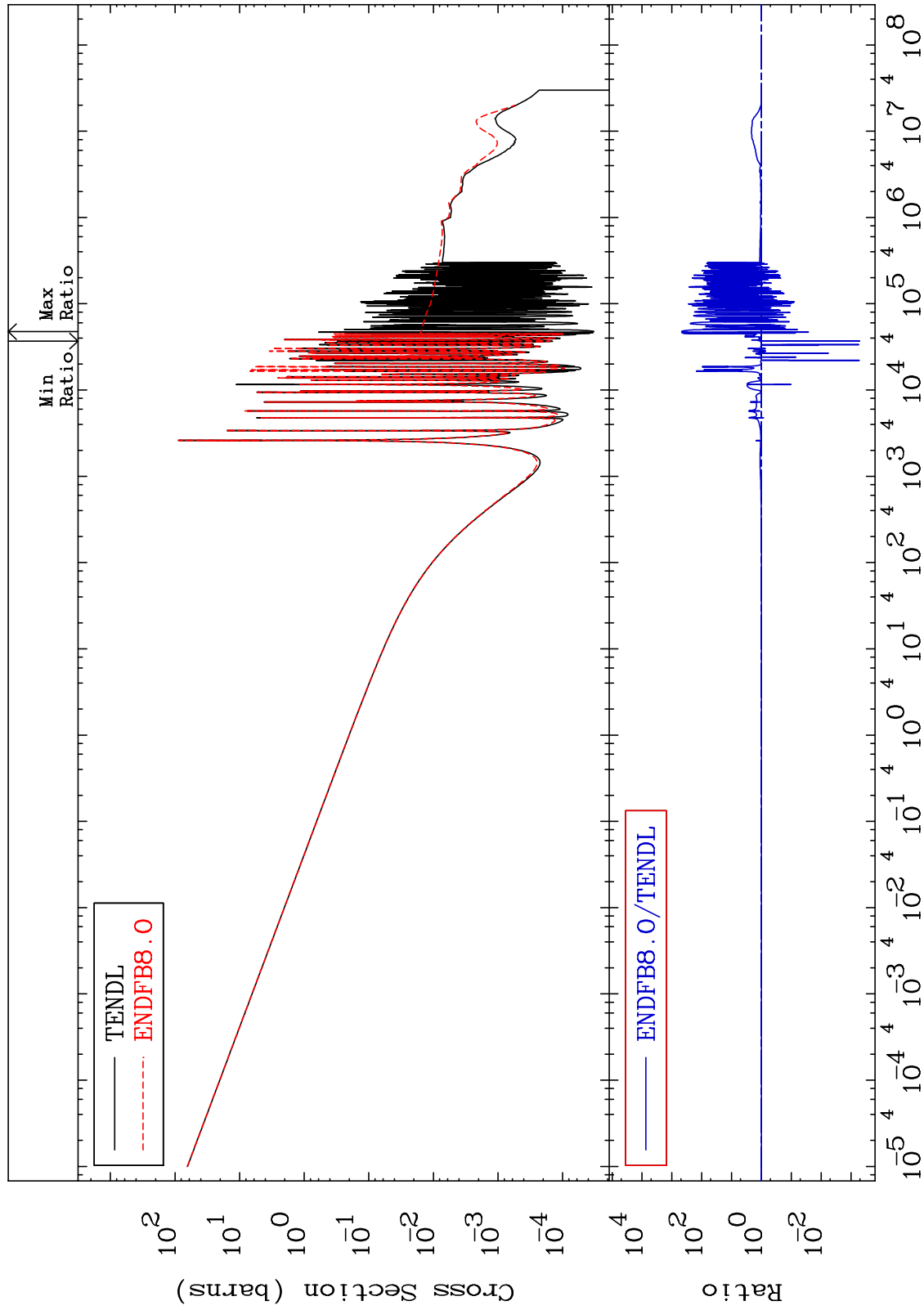
MAT 3925

(n,  $\gamma$ )

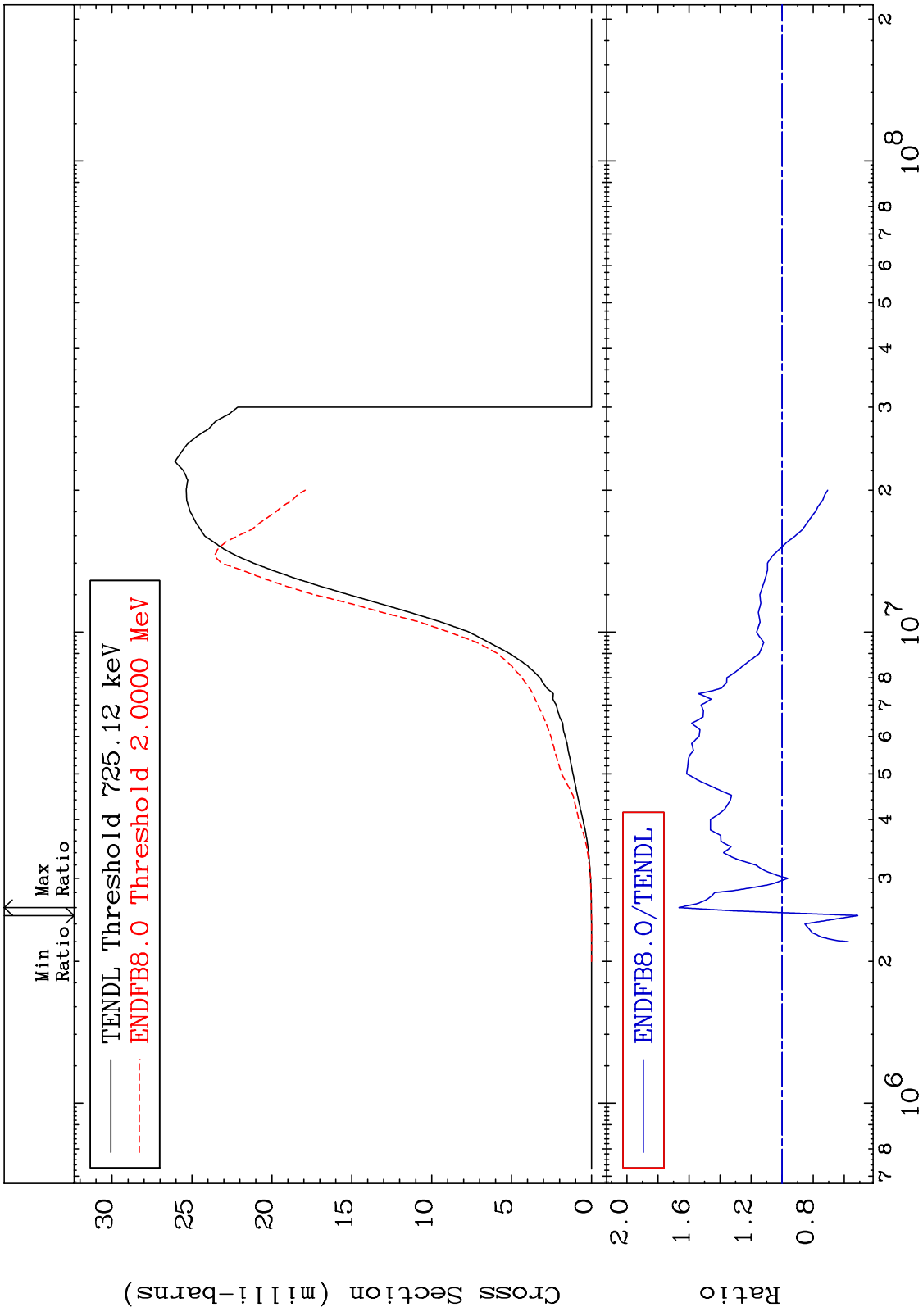
39-Y -89

Cross Section

-99.95 To 9999. %



MAT 3925 (n,p) Cross Section 39-Y -89 -48.81 To 66.44 %



39 -48.81 To 66.44 % 39-Y -89

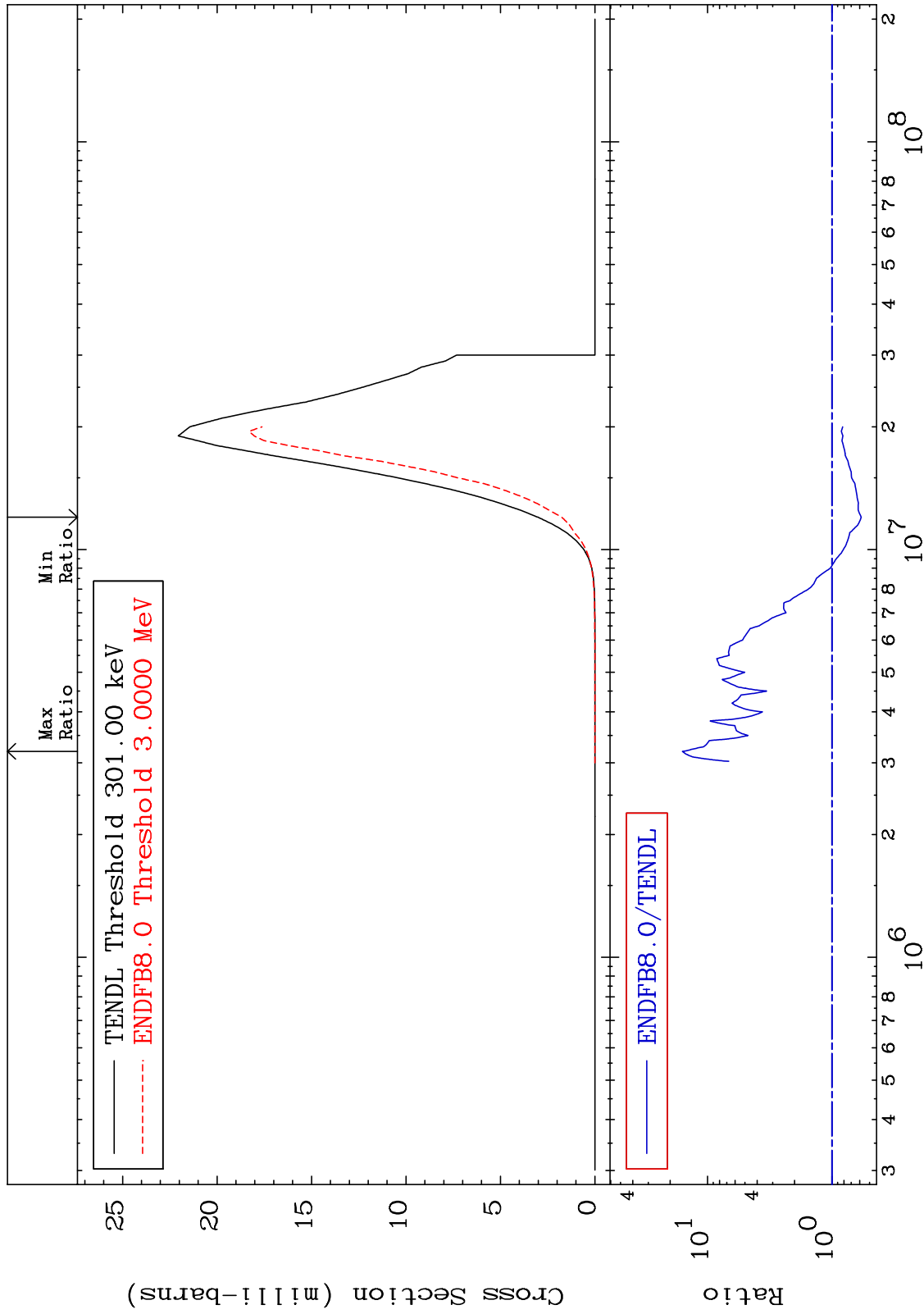
MAT 3925

(n,  $\alpha$ )

39-Y -89

-41.84 To 1492. %

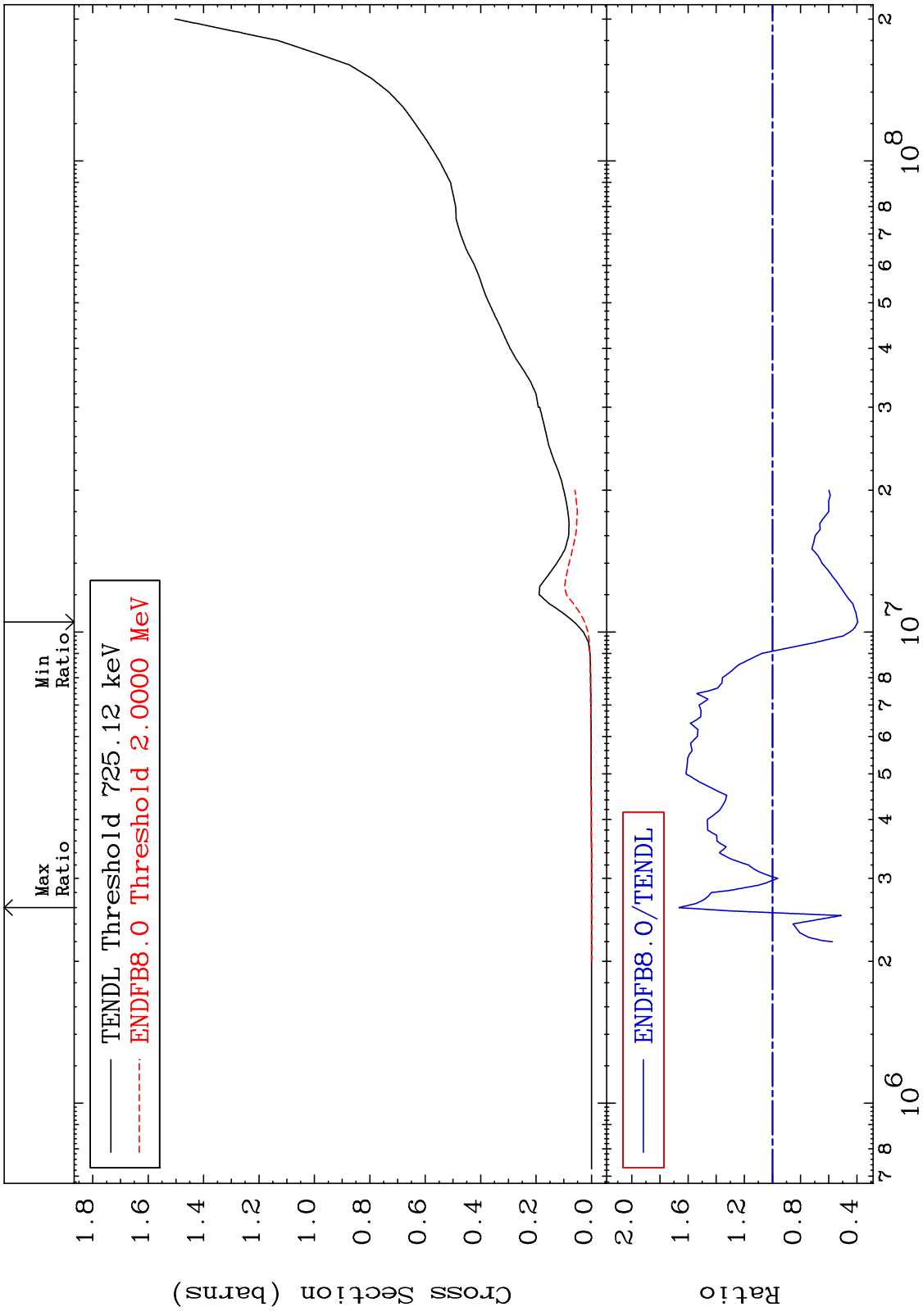
Cross Section



40

Incident Energy (eV)

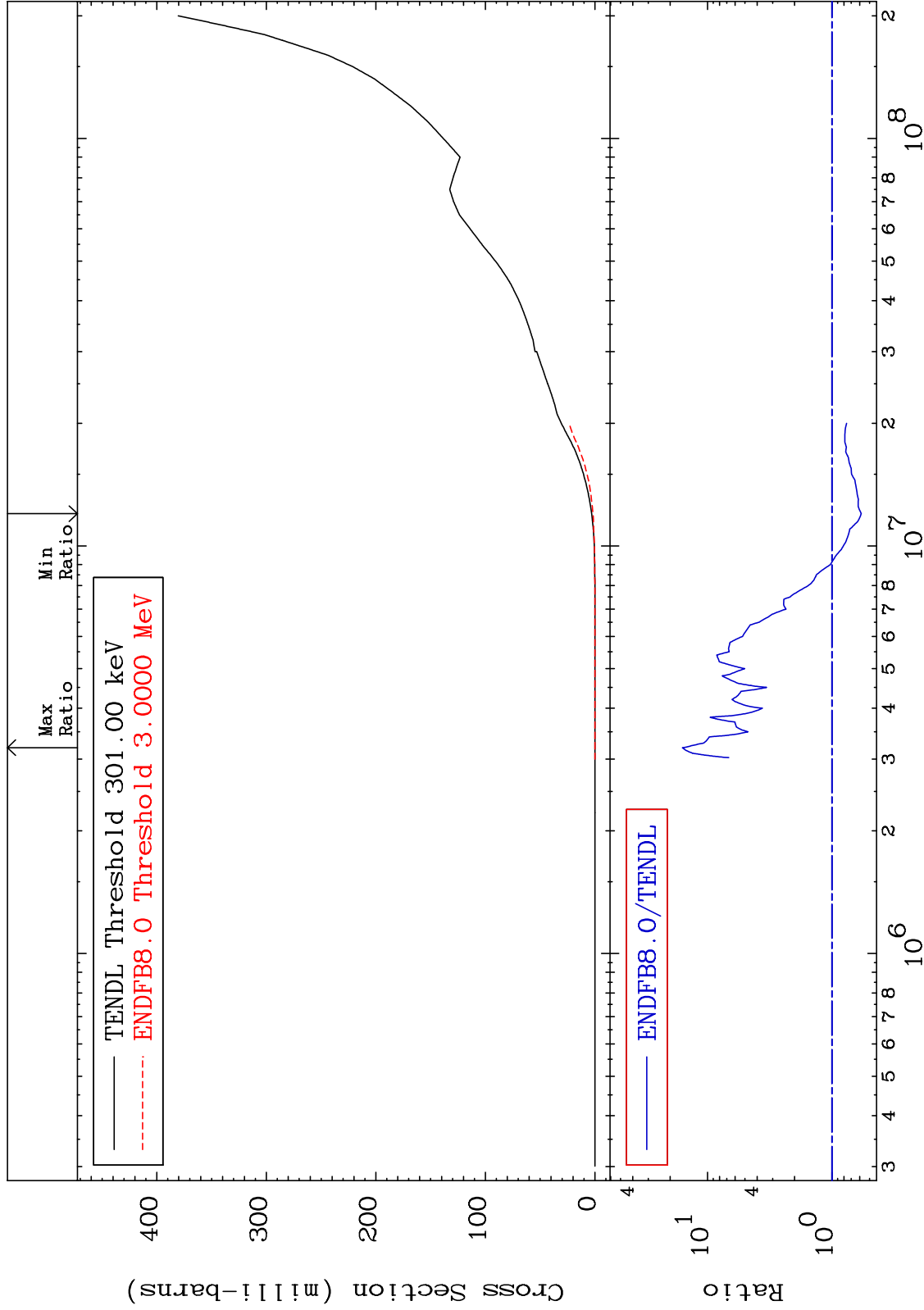
39-Y -89



MAT 3925

He-4 Production  
Cross Section

39-Y -89  
-41.84 To 1492. %

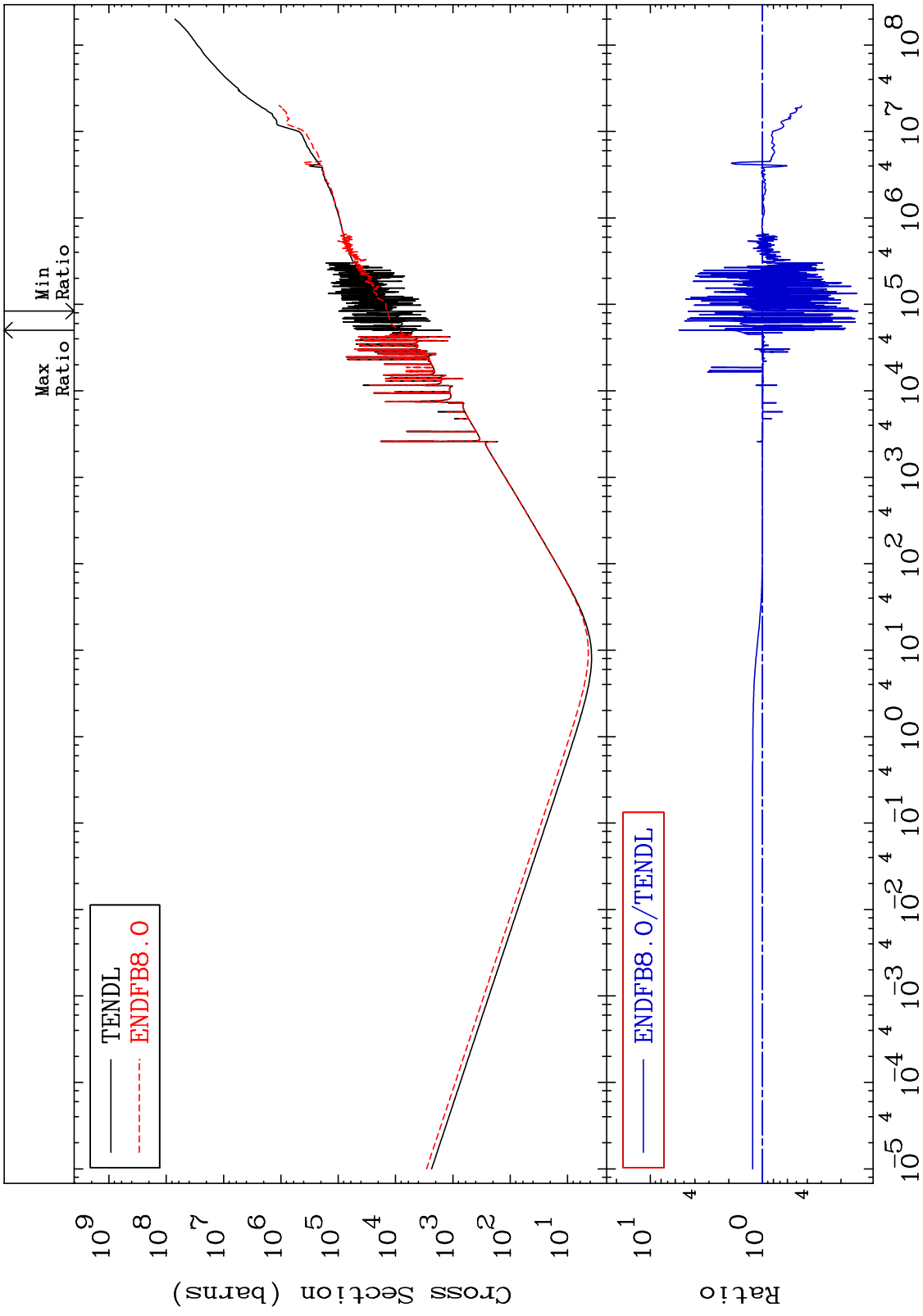


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Incident Energy (eV)

39-Y -89

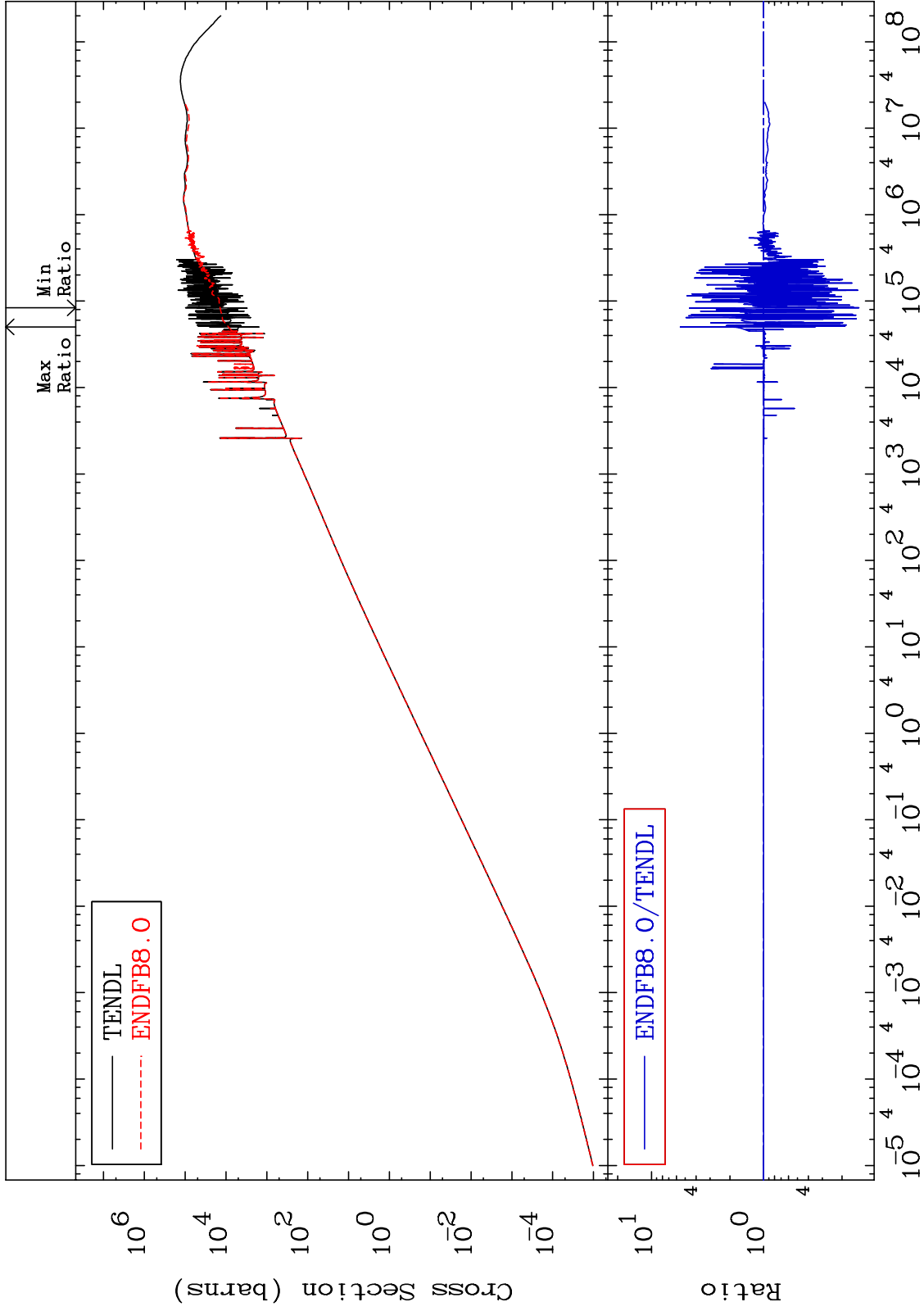
MAT 3925 Kerma total (eV-barns) Cross Section 39-Y -89  
 -85.83 To 454.3 %



MAT 3925

Kerma elastic  
Cross Section

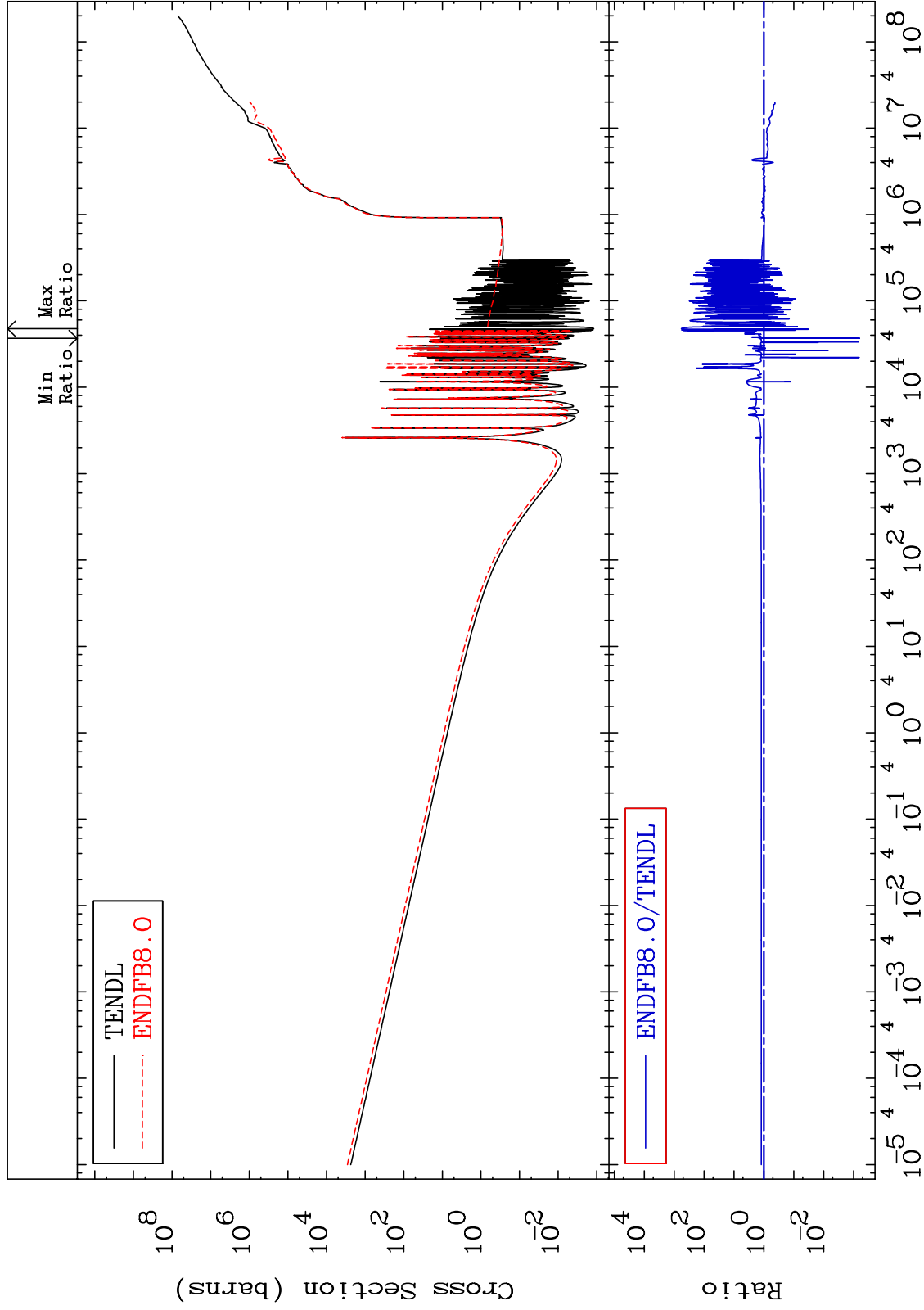
39-Y -89  
-85.83 To 454.6 %



MAT 3925

Kerma non-elastic (all but mt2)  
Cross Section

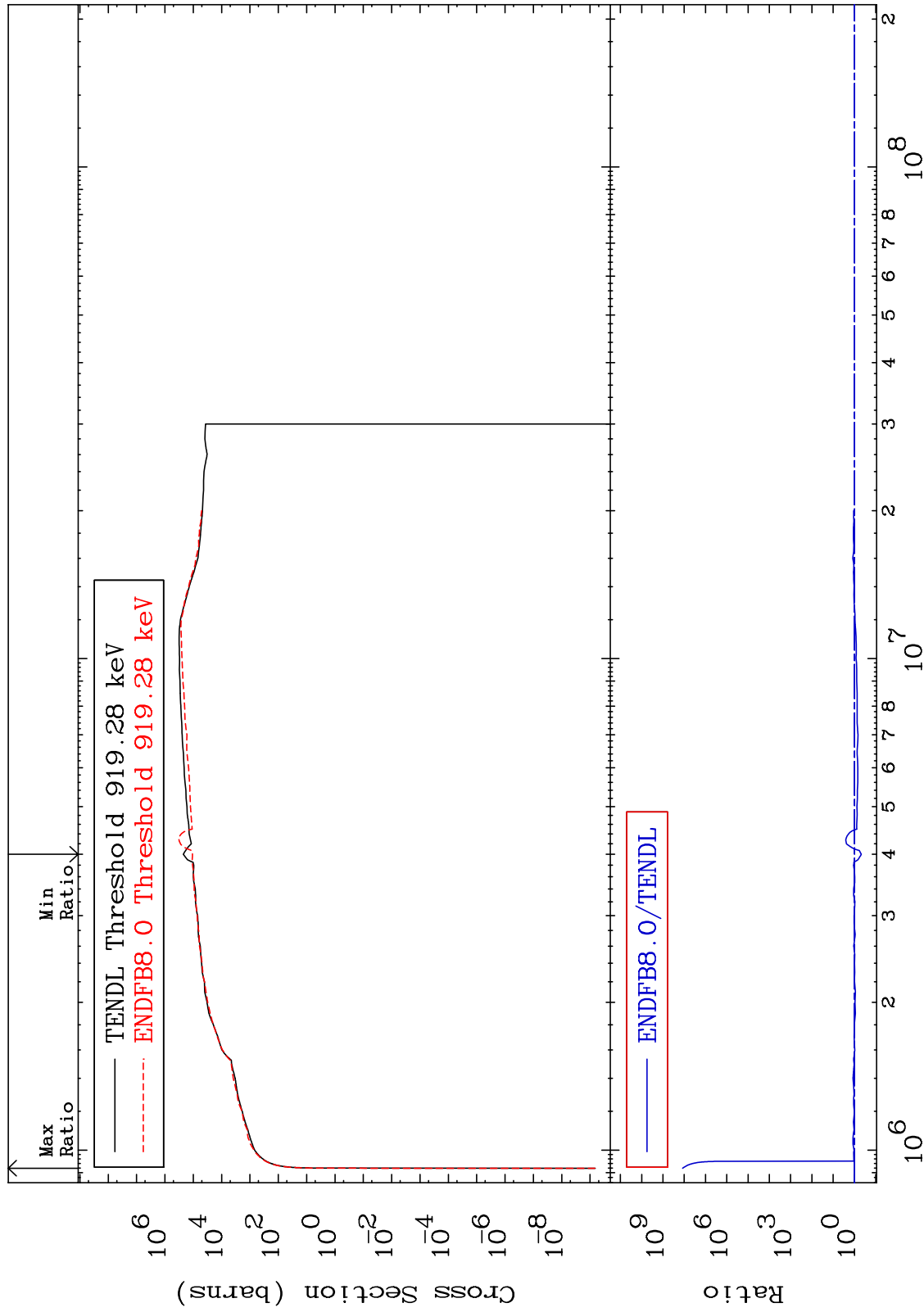
39-Y -89  
-99.94 To 9999. %



MAT 3925

Kerma inelastic (mt51-91)  
Cross Section

39-Y -89  
-52.74 To 9999. %



46

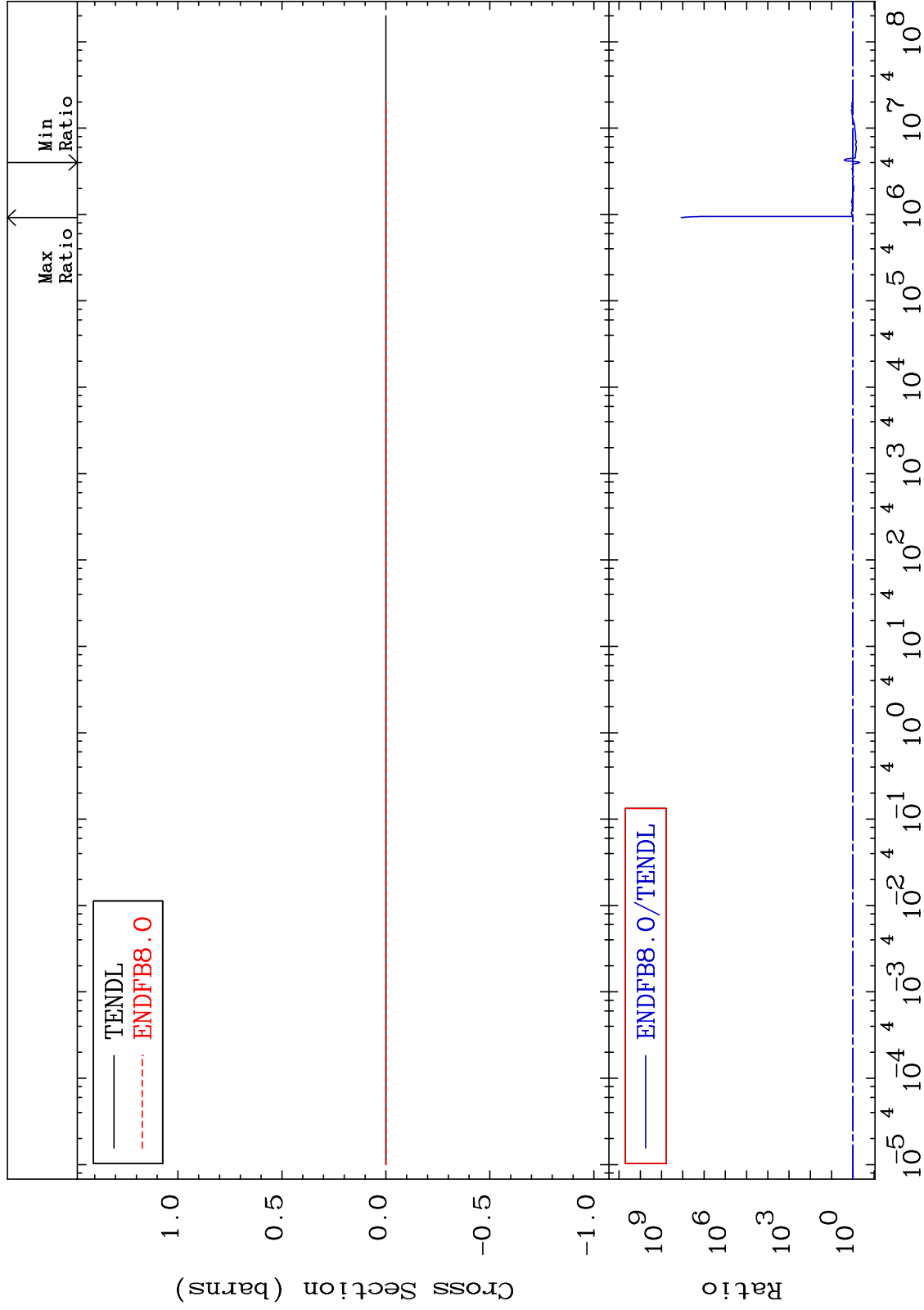
Incident Energy (eV)

39-Y -89

MAT 3925

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

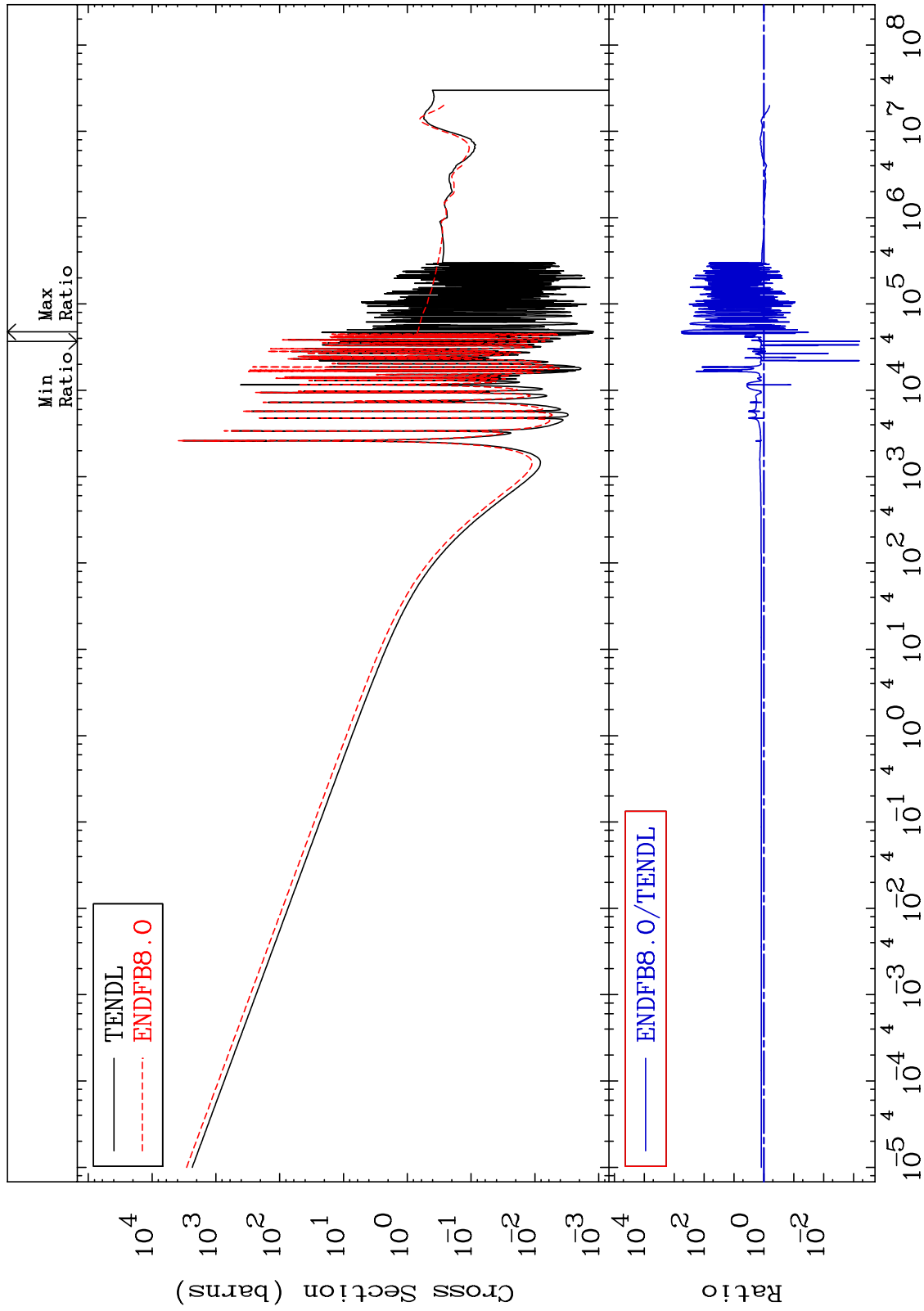
39-Y -89  
-52.74 To 9999. %



MAT 3925

Kerma capture (mt102)  
Cross Section

39-Y -89  
-99.94 To 9999. %



48

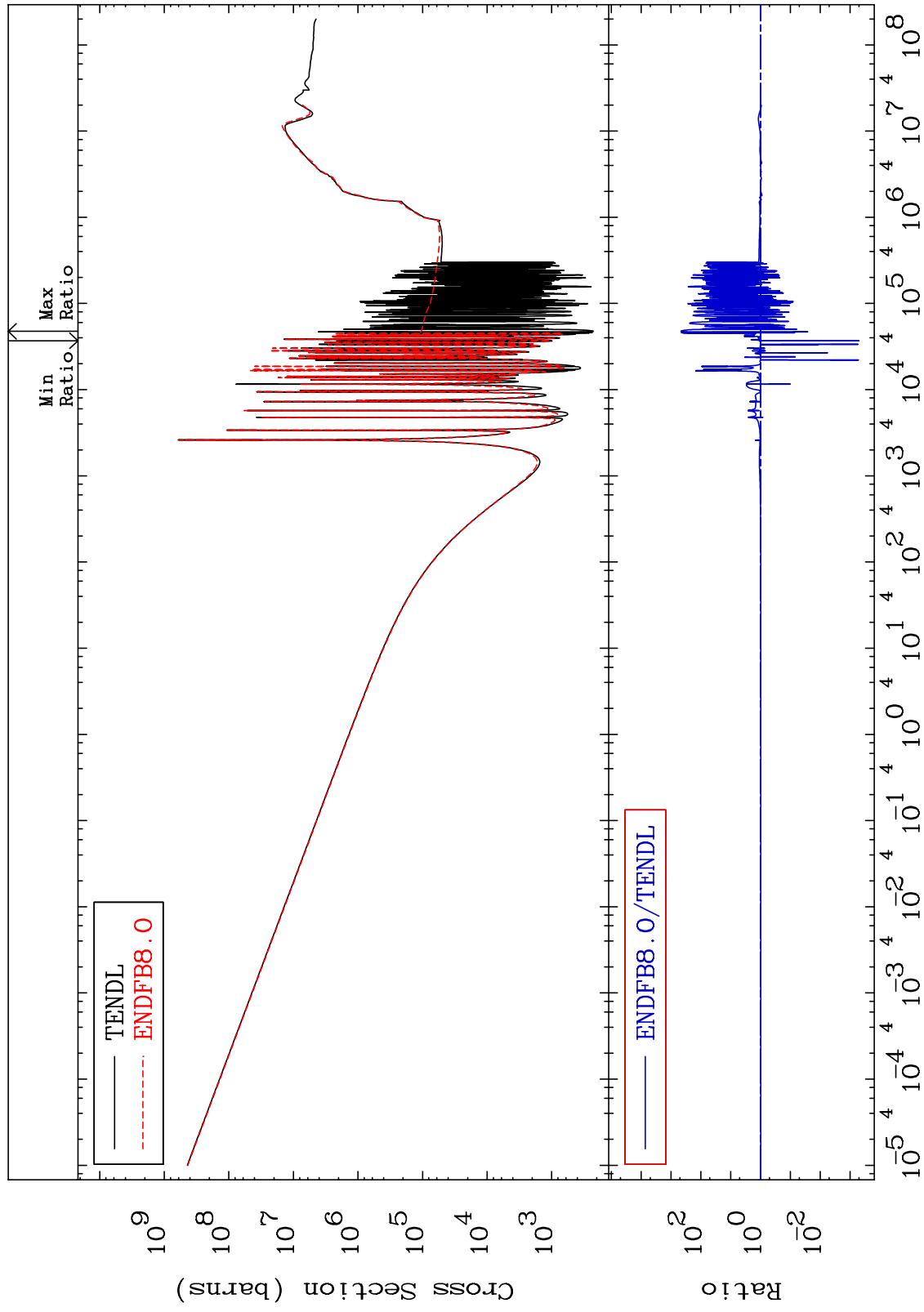
Incident Energy (eV)

39-Y -89

MAT 3925

Total photon (eV-barns)  
Cross Section

39-Y -89  
-99.95 To 9999. %

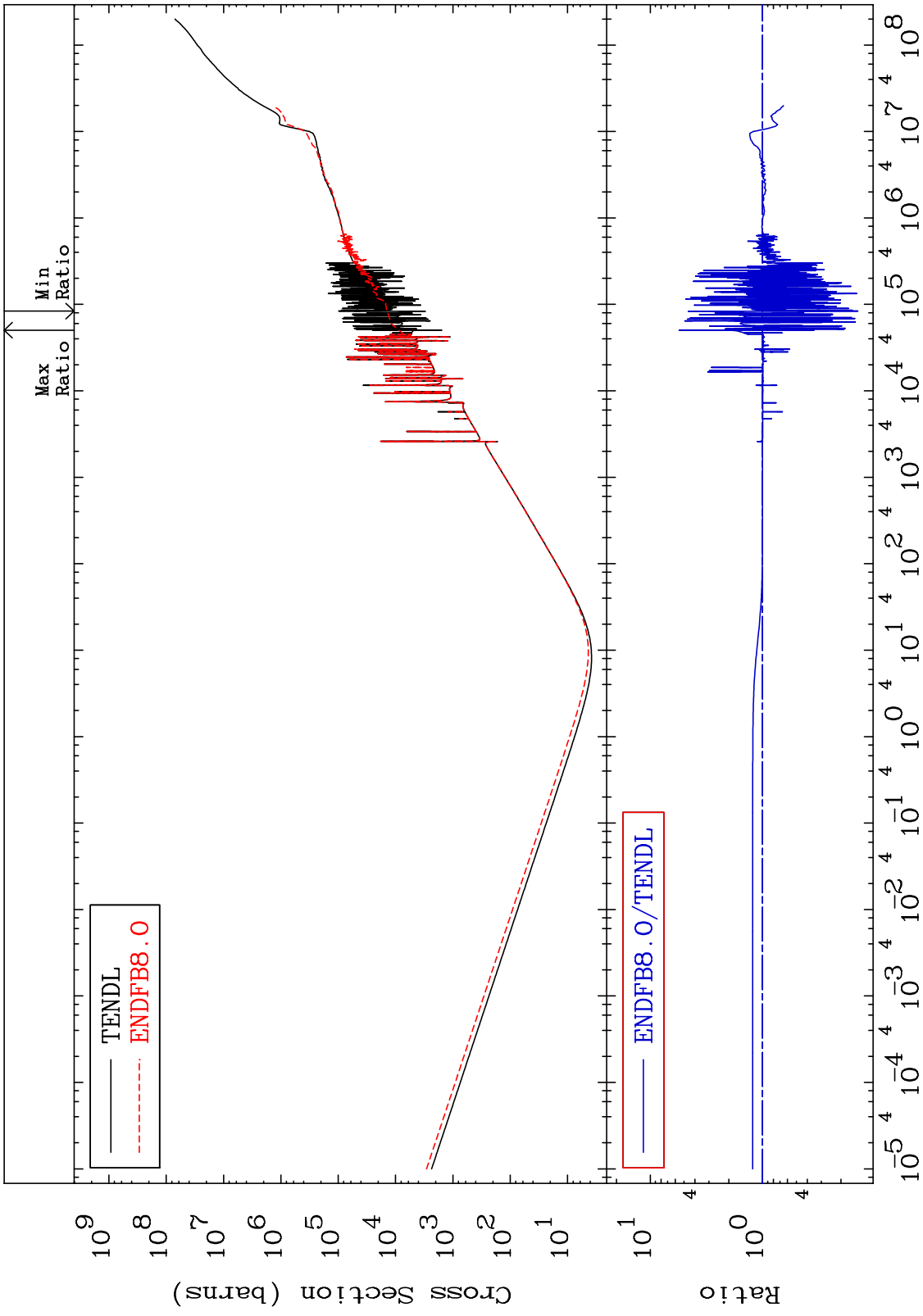


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Incident Energy (eV)

39-Y -89

MAT 3925      Total kinematic kerma (high limit)      39-Y -89  
 Cross Section      -85.83 To 454.3 %



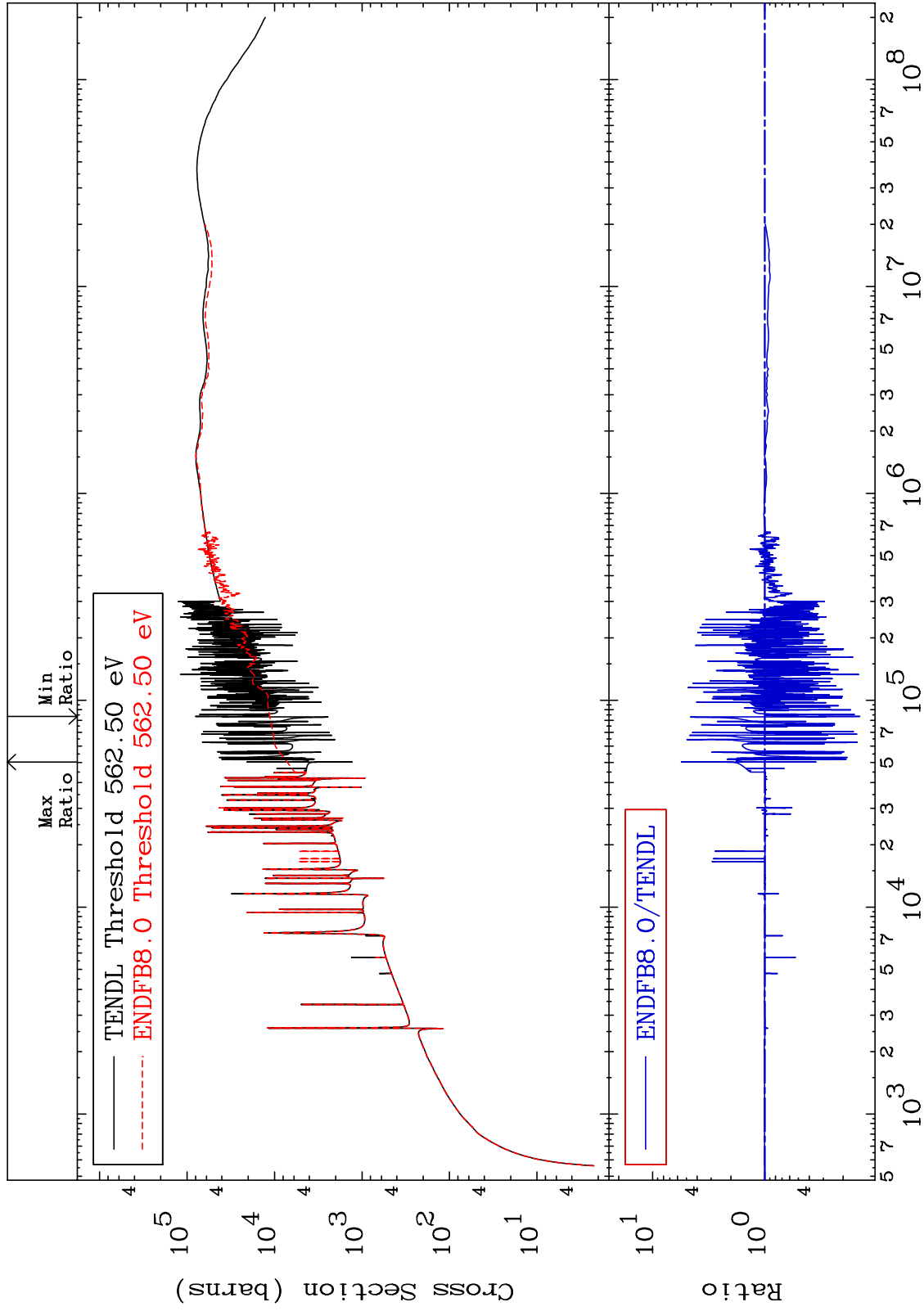
50      Incident Energy (eV)      39-Y -89

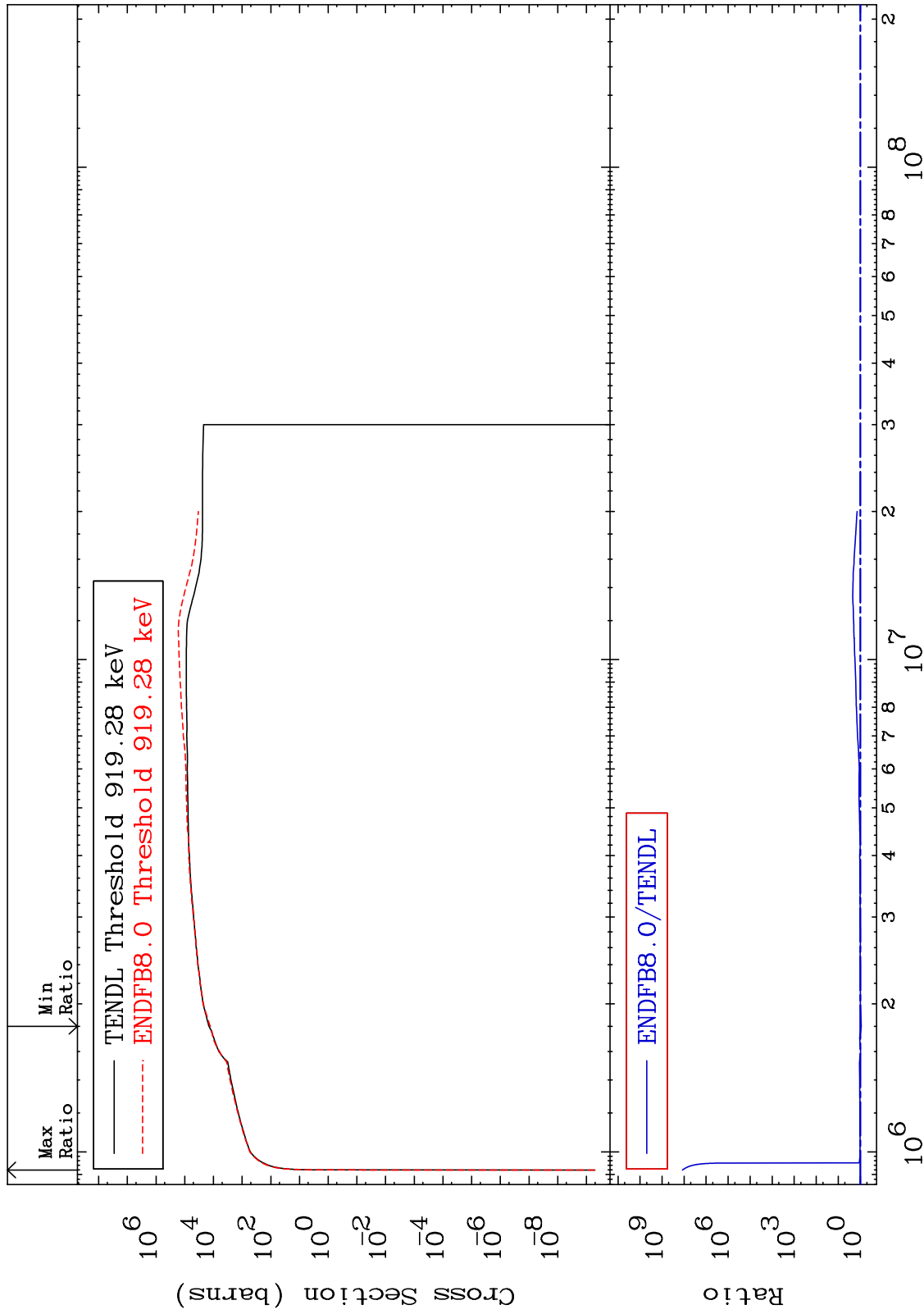


MAT 3925

Dpa elastic (mt2)  
Cross Section

39-Y -89  
-85.81 To 454.9 %

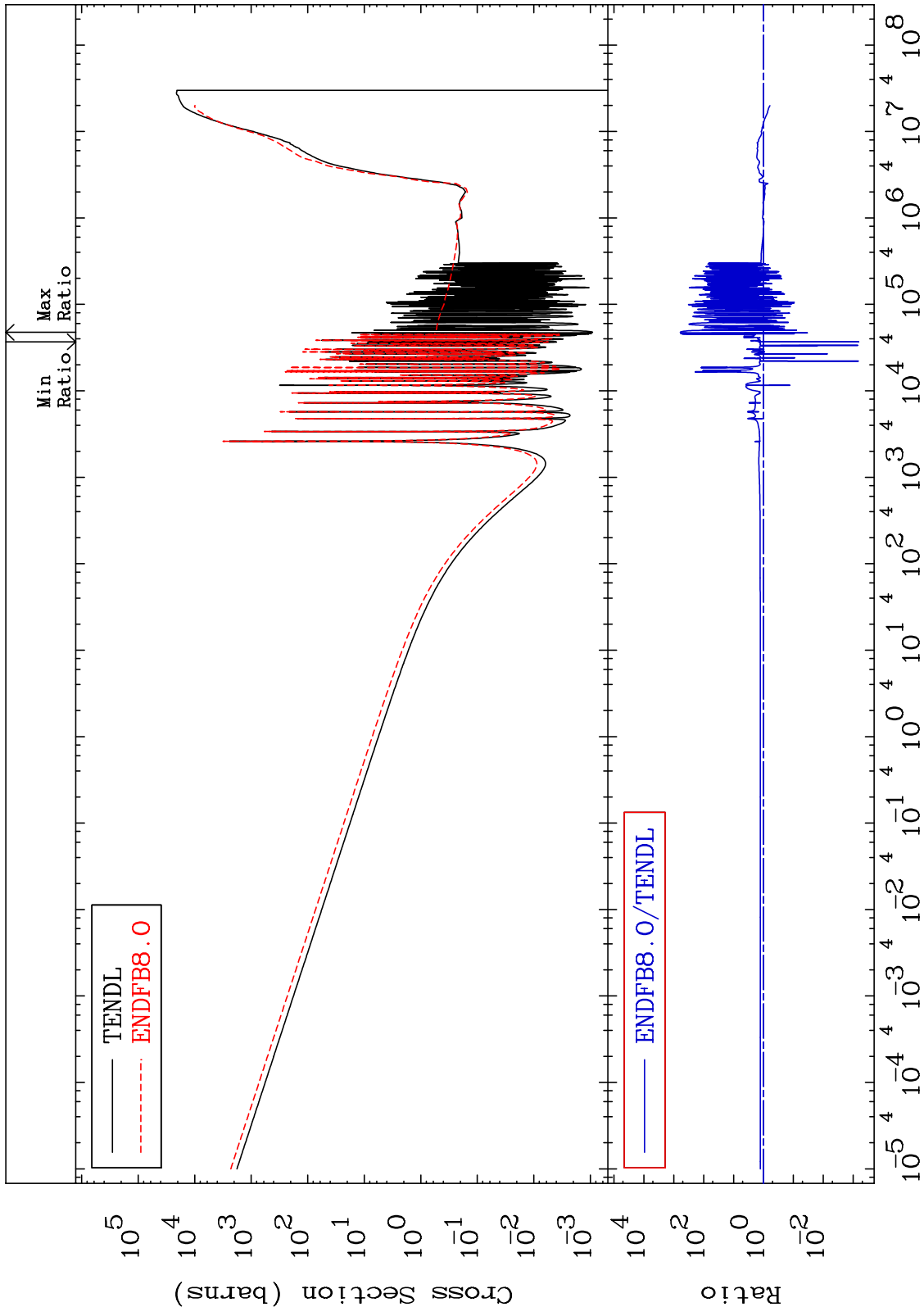




MAT 3925

Dpa disappearance (mt102 -120)  
Cross Section

39-Y -89  
-99.94 To 9999. %

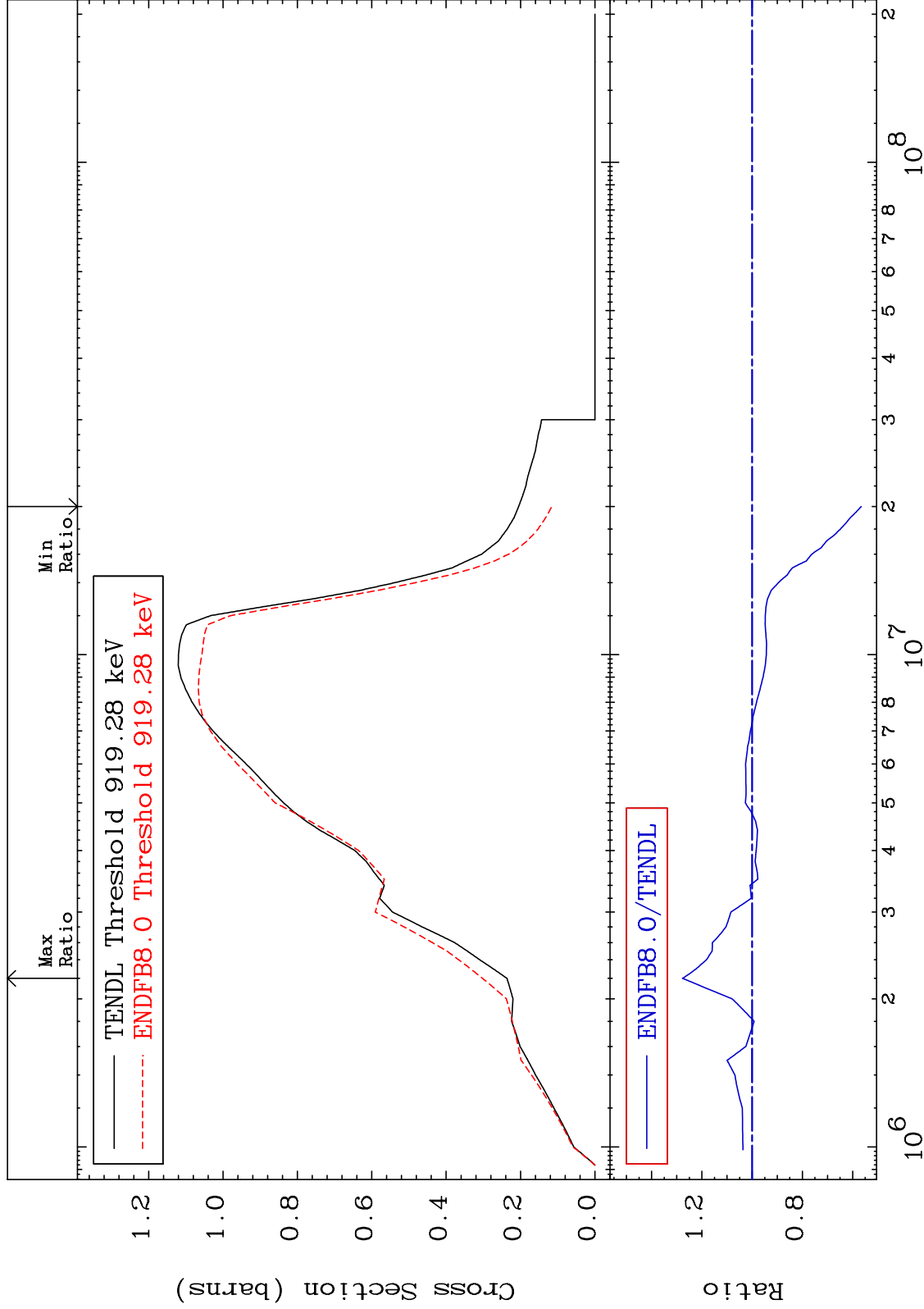


MAT 3925

Inelastic:39-Y -89m1

39-Y -89

Radionuclide Production Cross Section -43.43 To 27.73 %



55

Incident Energy (eV)

39-Y -89