

Program Complot  
(Version 2018-1)

by

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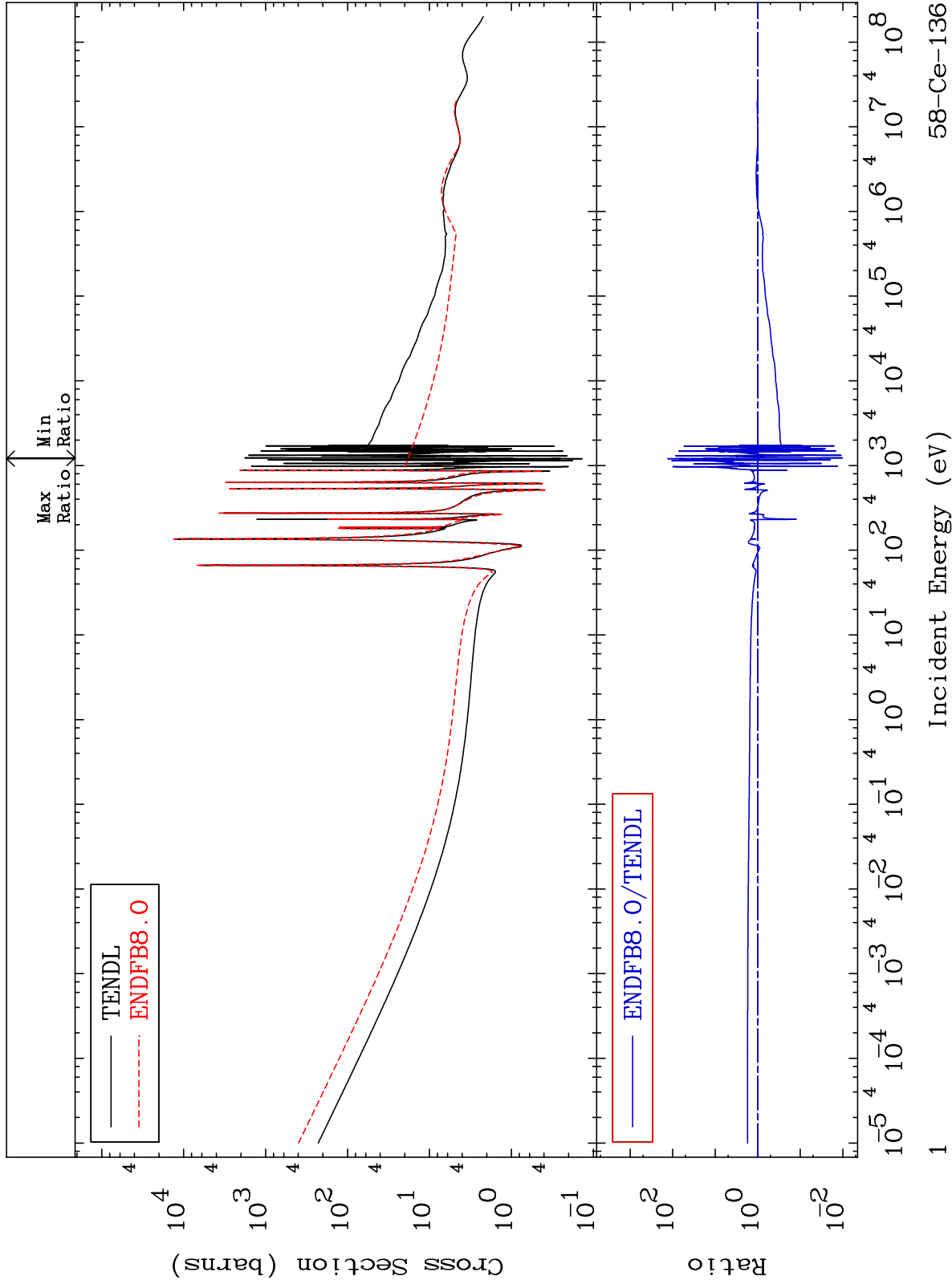
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5825

Total  
Cross Section

58-Ce-136  
-98.99 To 9999. %



58-Ce-136

Incident Energy (eV)

1

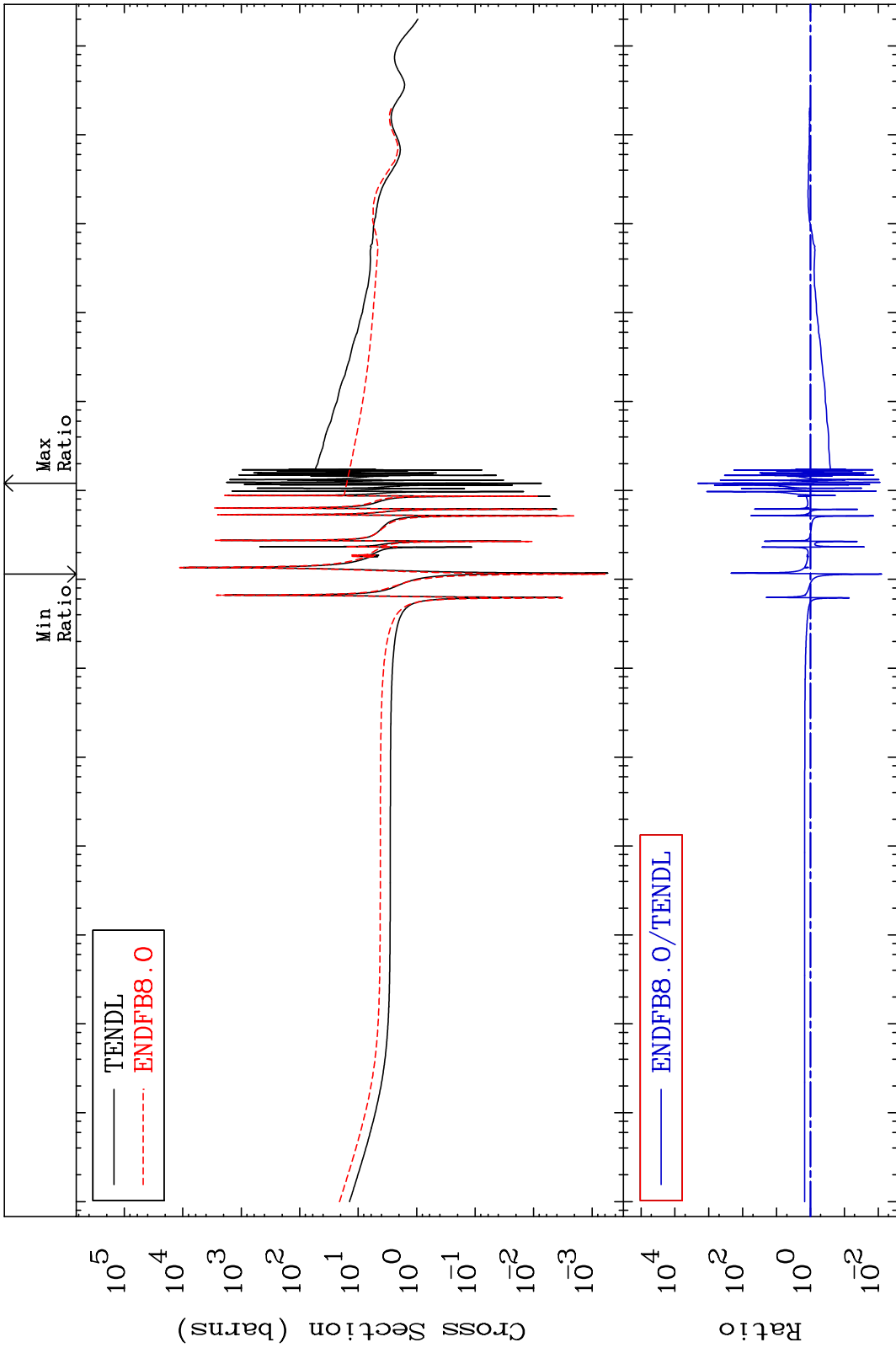
MAT 5825

Elastic

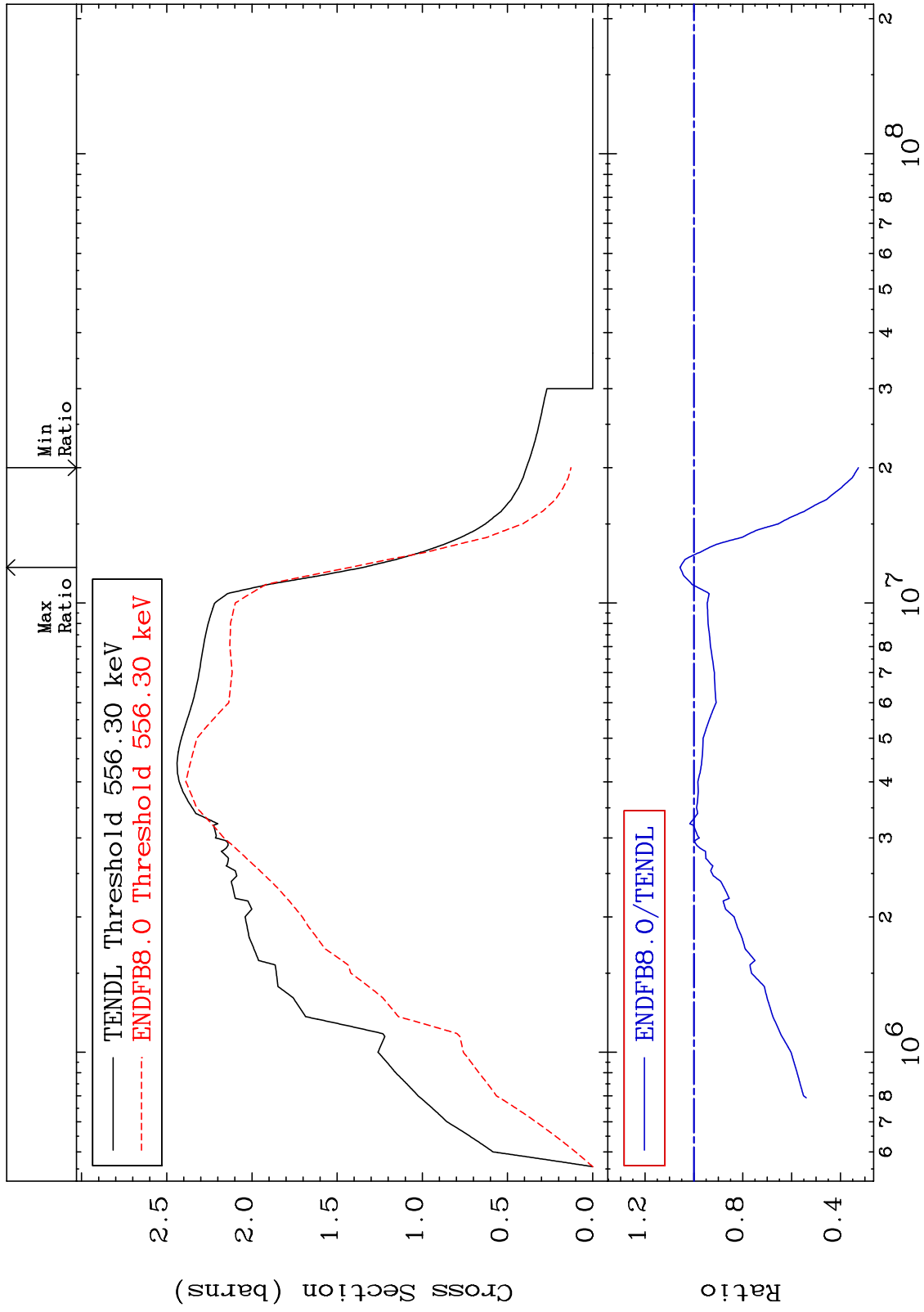
58-Ce-136

-99.20 To 9999. %

Cross Section



MAT 5825 Inelastic Cross Section 58-Ce-136 -67.32 To 5.666 %



3 Incident Energy (eV) 58-Ce-136

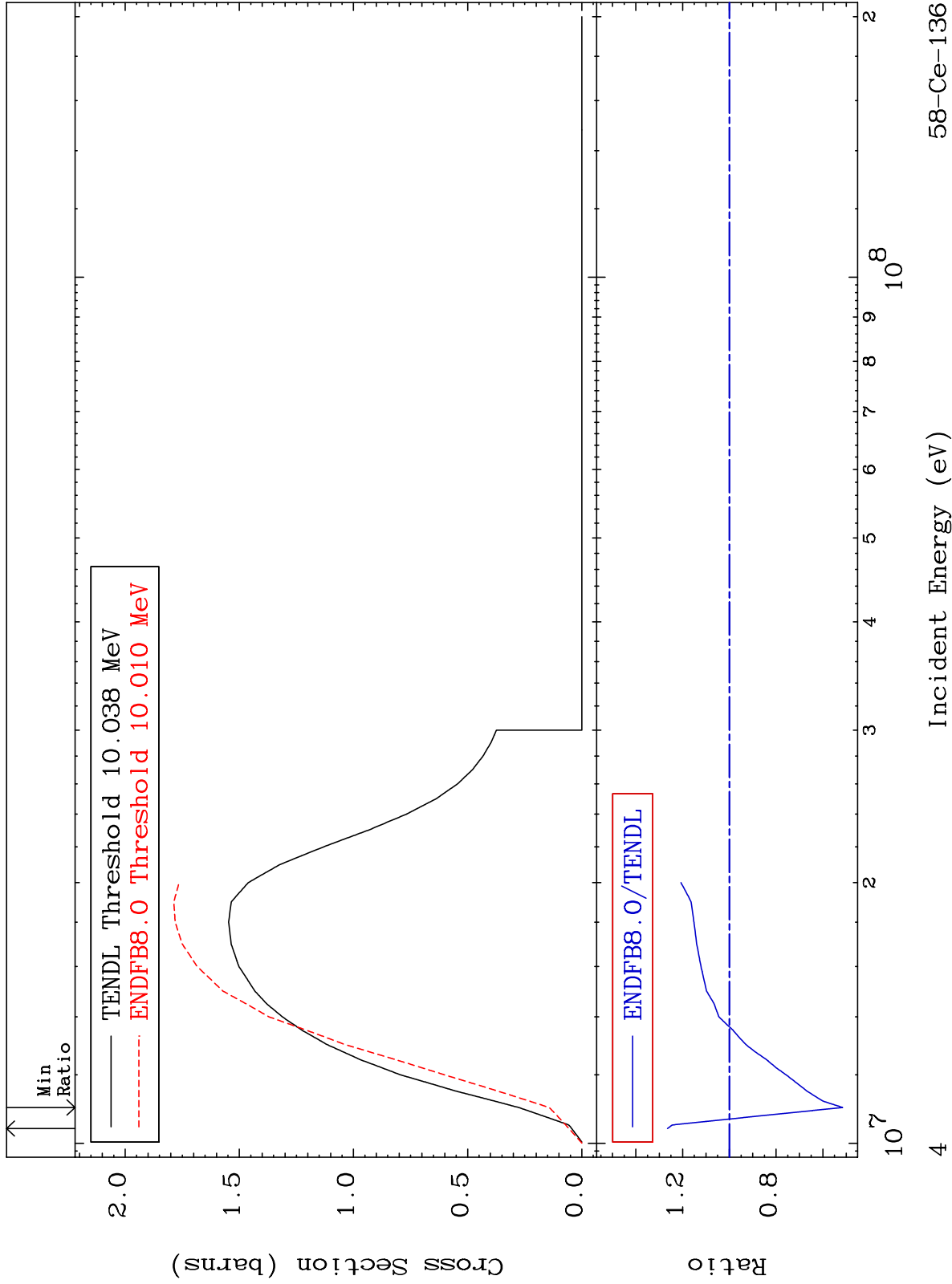
MAT 5825

(n,2n)

58-Ce-136

Cross Section

-48.49 To 26.46 %



Incident Energy (eV)

58-Ce-136

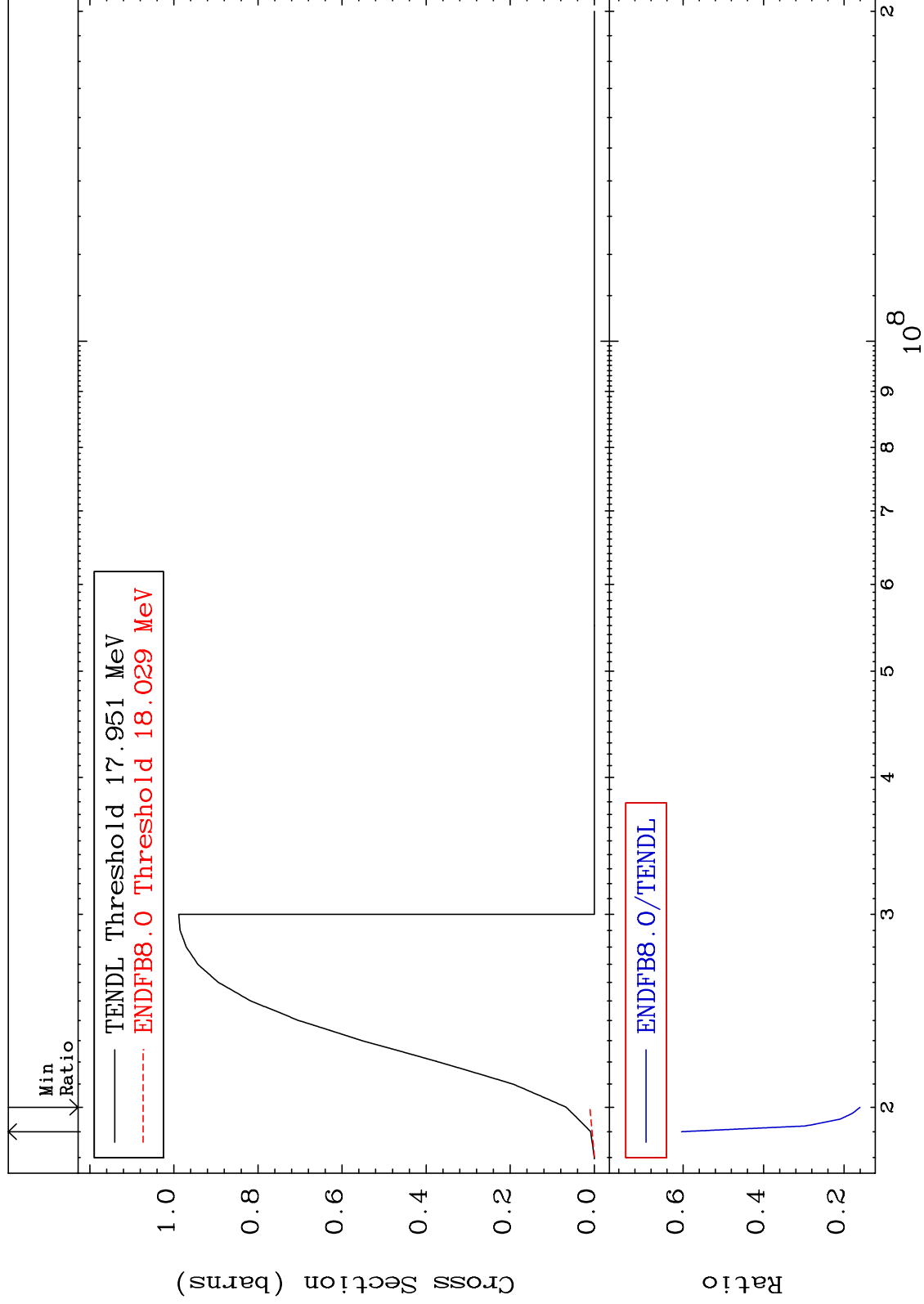
MAT 5825

(n,3n)

58-Ce-136

Cross Section

-83.98 To -39.63%



5

Incident Energy (eV)

58-Ce-136

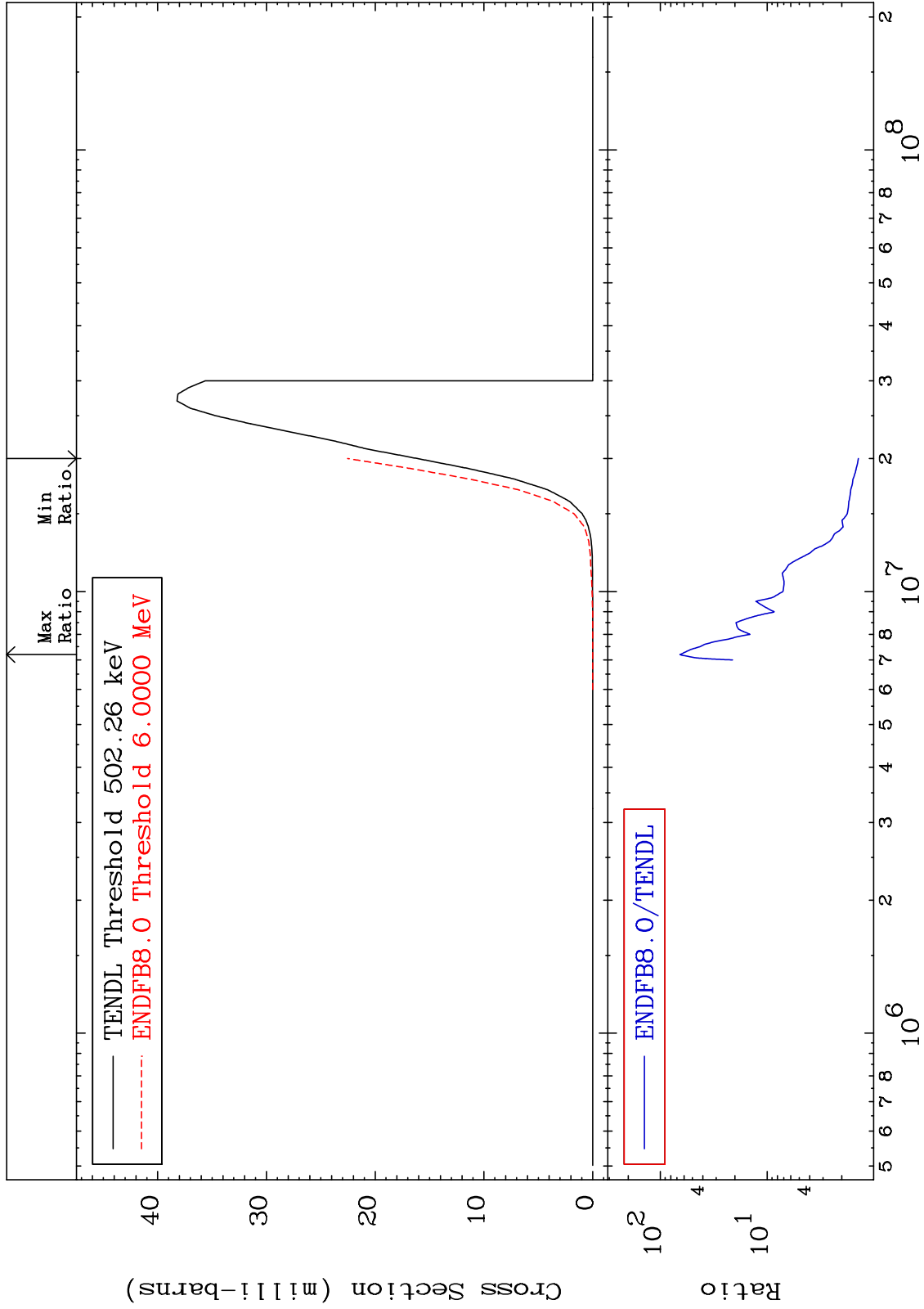
MAT 5825

(n, n')  $\alpha$

58-Ce-136

39.87 To 6442. %

Cross Section



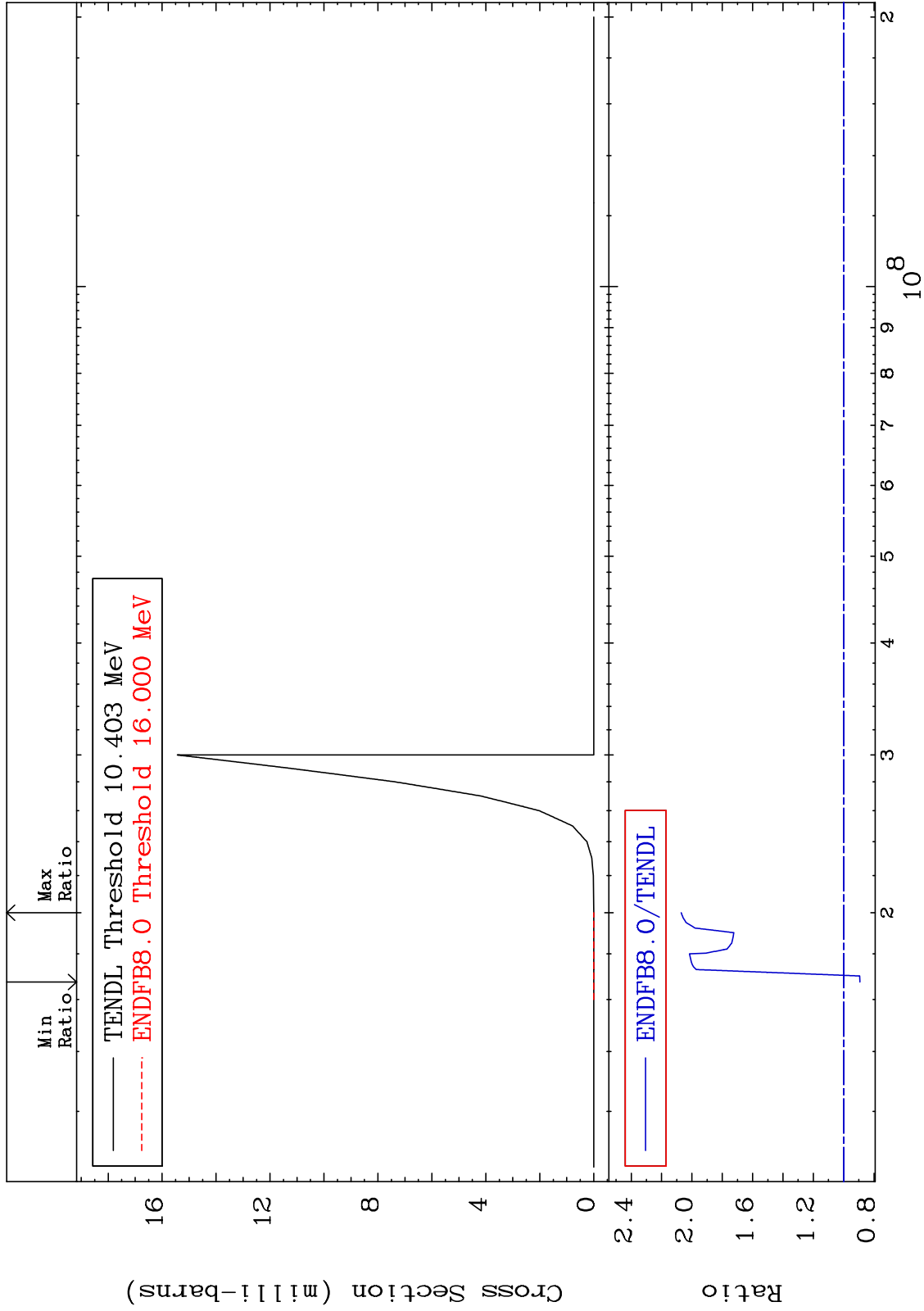
MAT 5825

(n,2n)  $\alpha$

58-Ce-136

Cross Section

-10.71 To 107.1 %

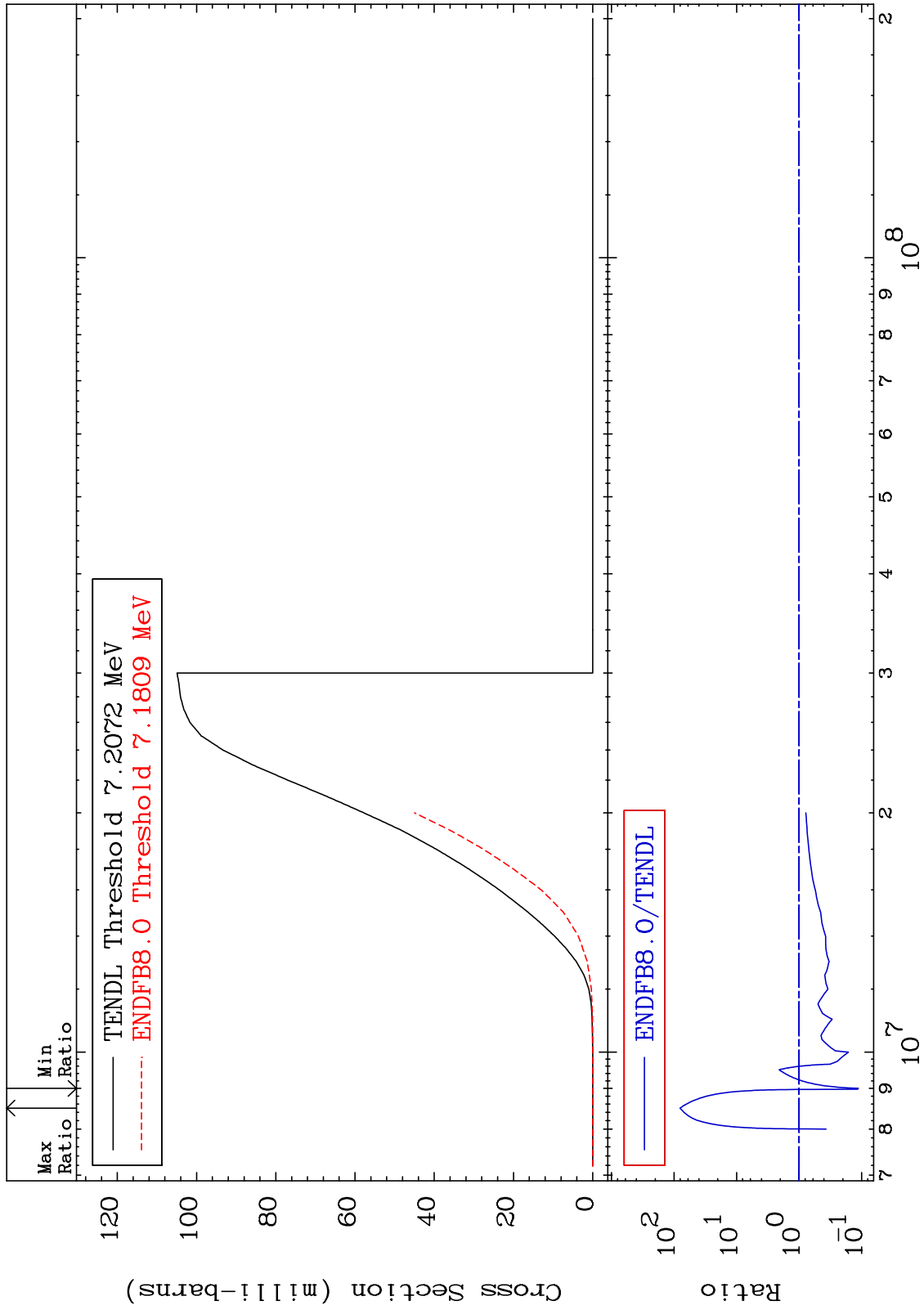




MAT 5825

(n,n') p  
Cross Section

58-Ce-136  
-88.73 To 7925. %



8

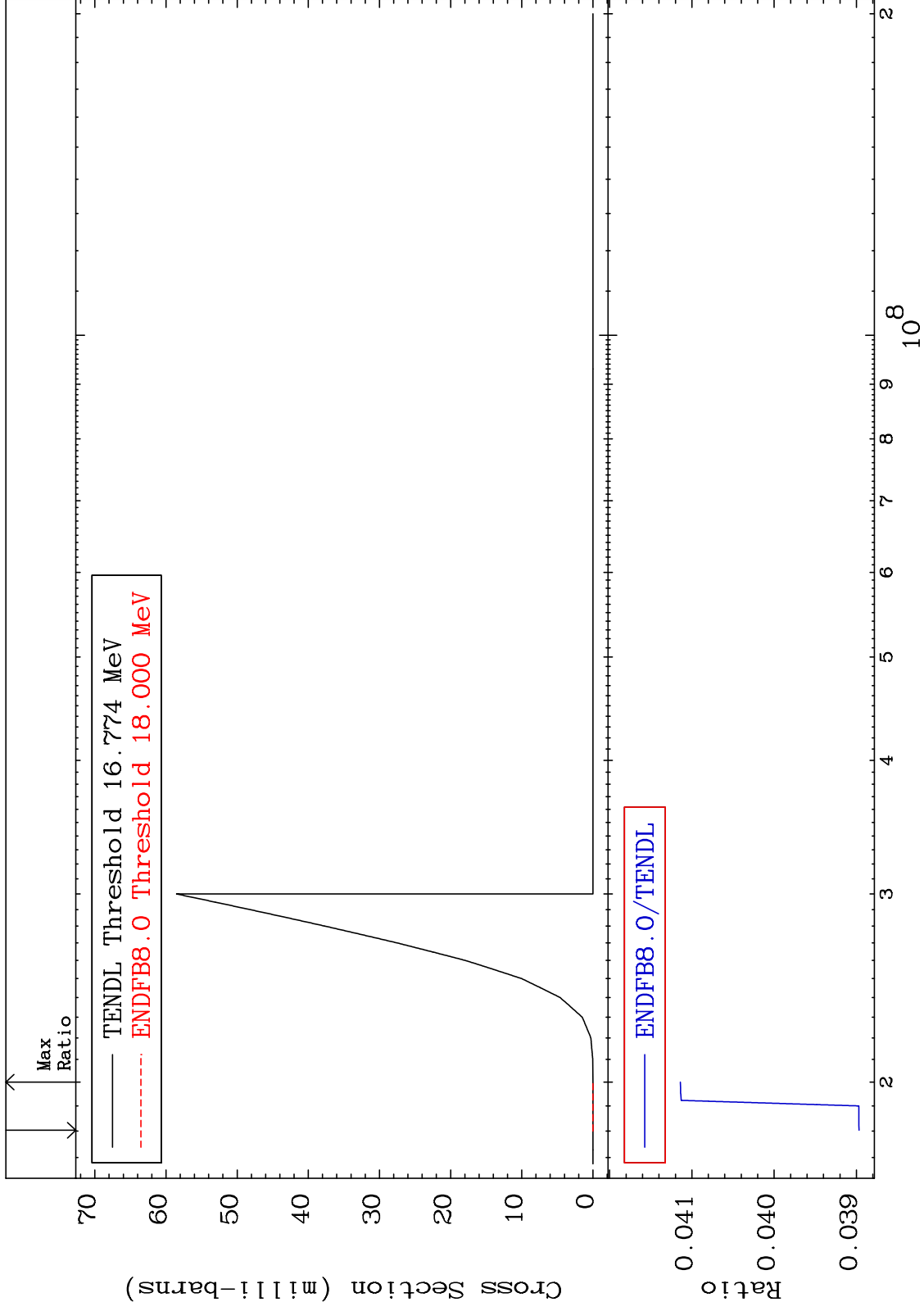
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n) p  
Cross Section

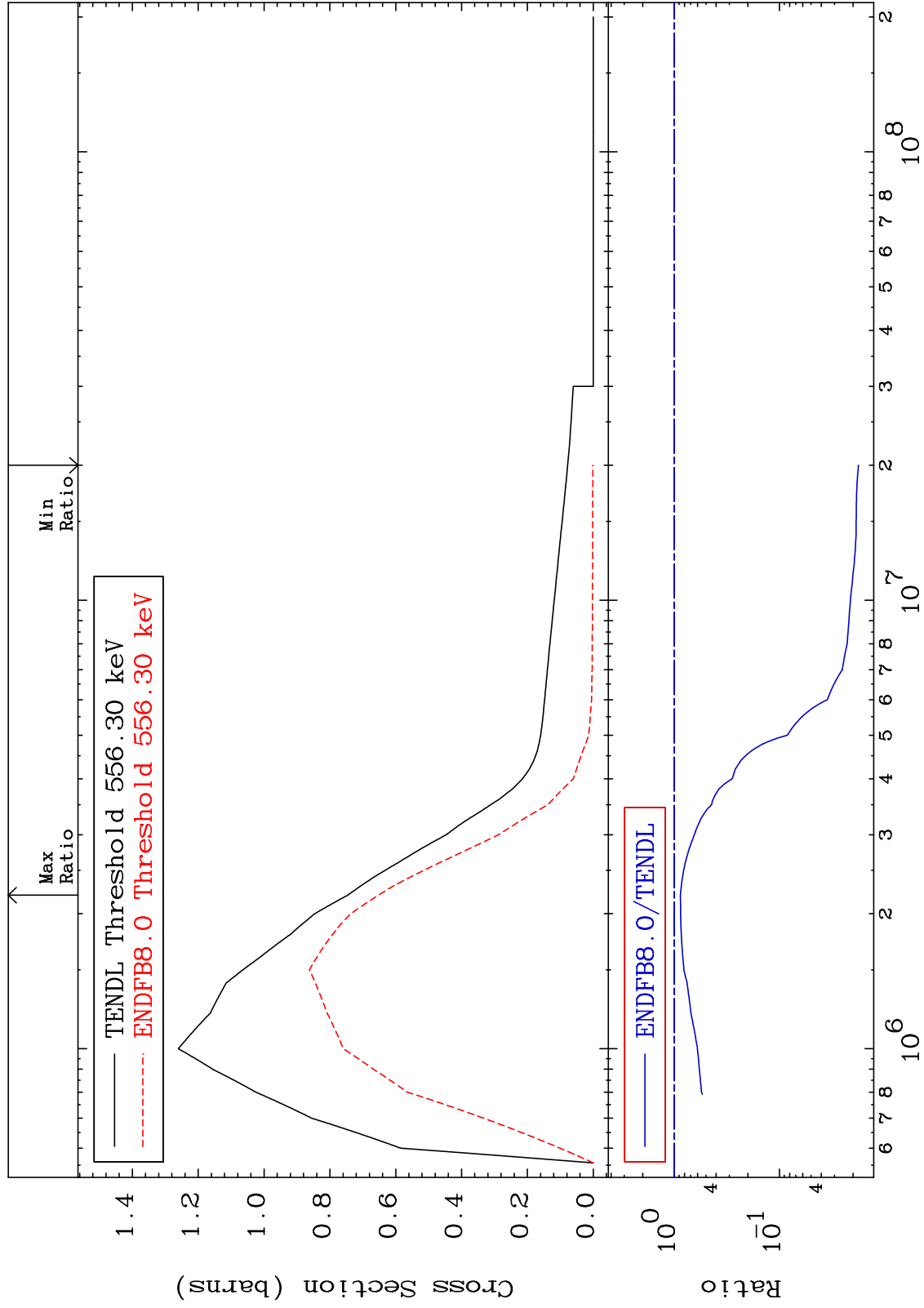
58-Ce-136  
-96.10 To -95.89%



MAT 5825

MT= 51 (n,n') Level  
Cross Section

58-Ce-136  
-98.23 To -12.53%

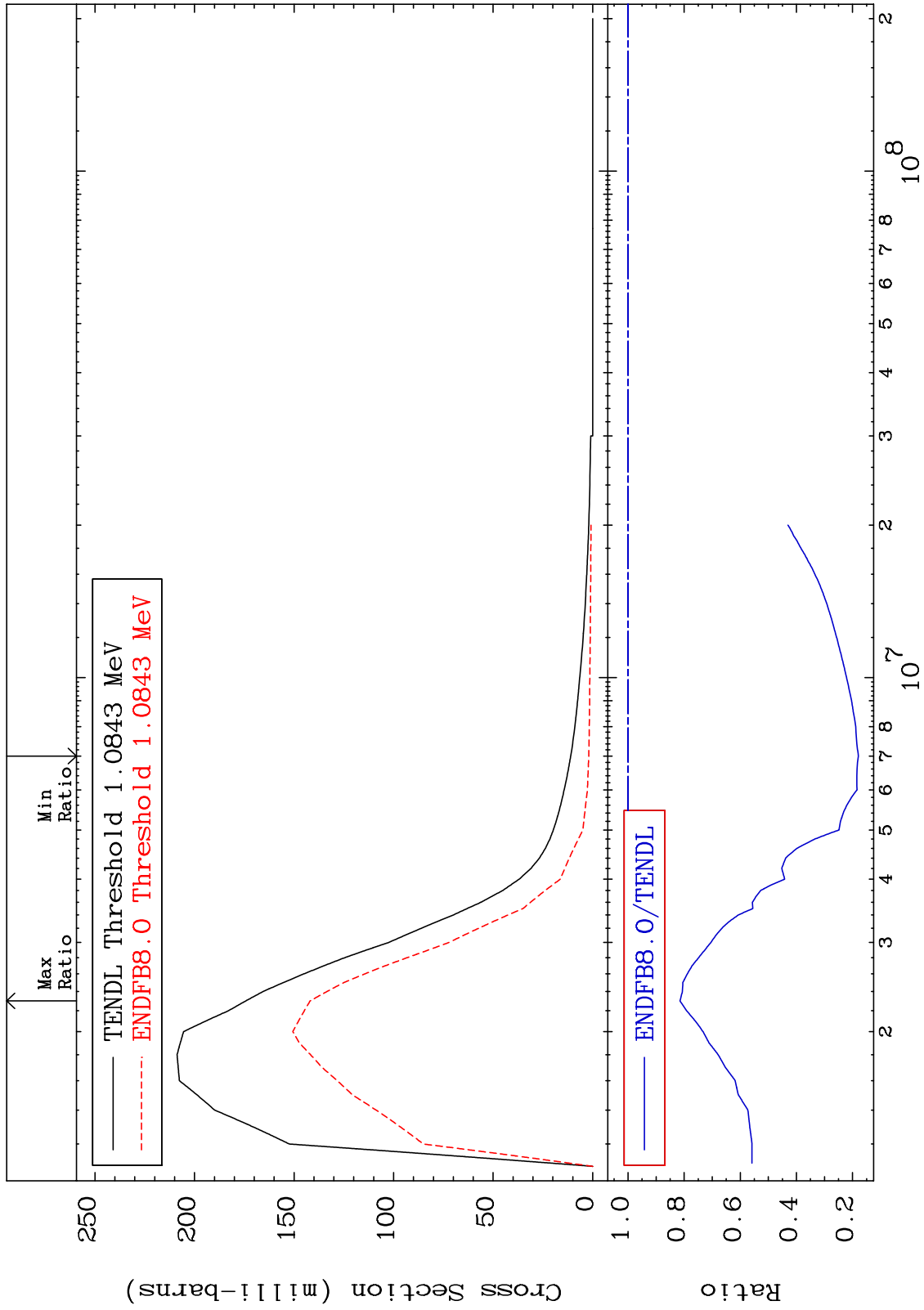


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Incident Energy (eV)

58-Ce-136

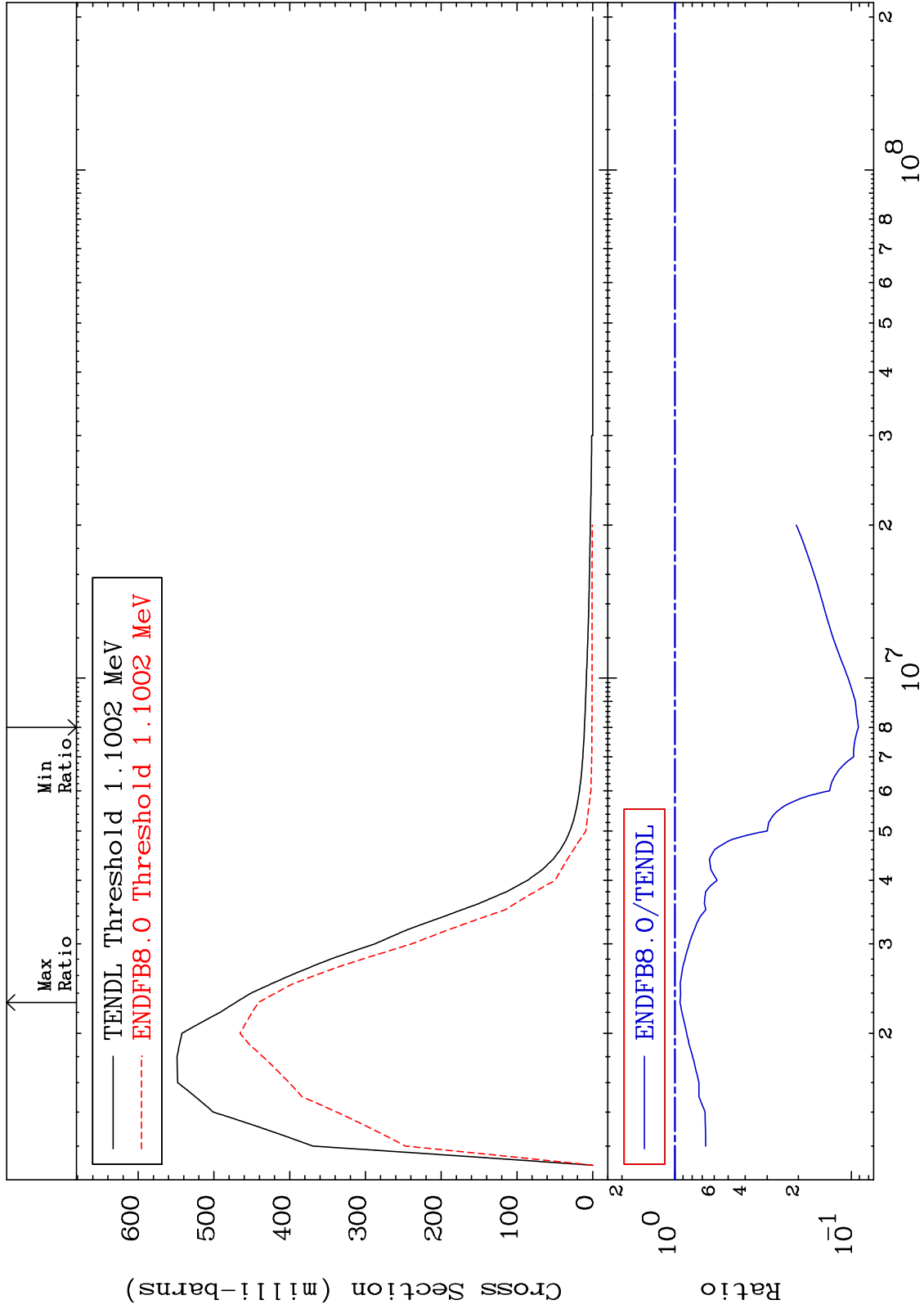
MAT 5825 MT= 52 (n,n') Level  
 Cross Section 58-Ce-136  
 -82.09 To -18.52%



MAT 5825

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

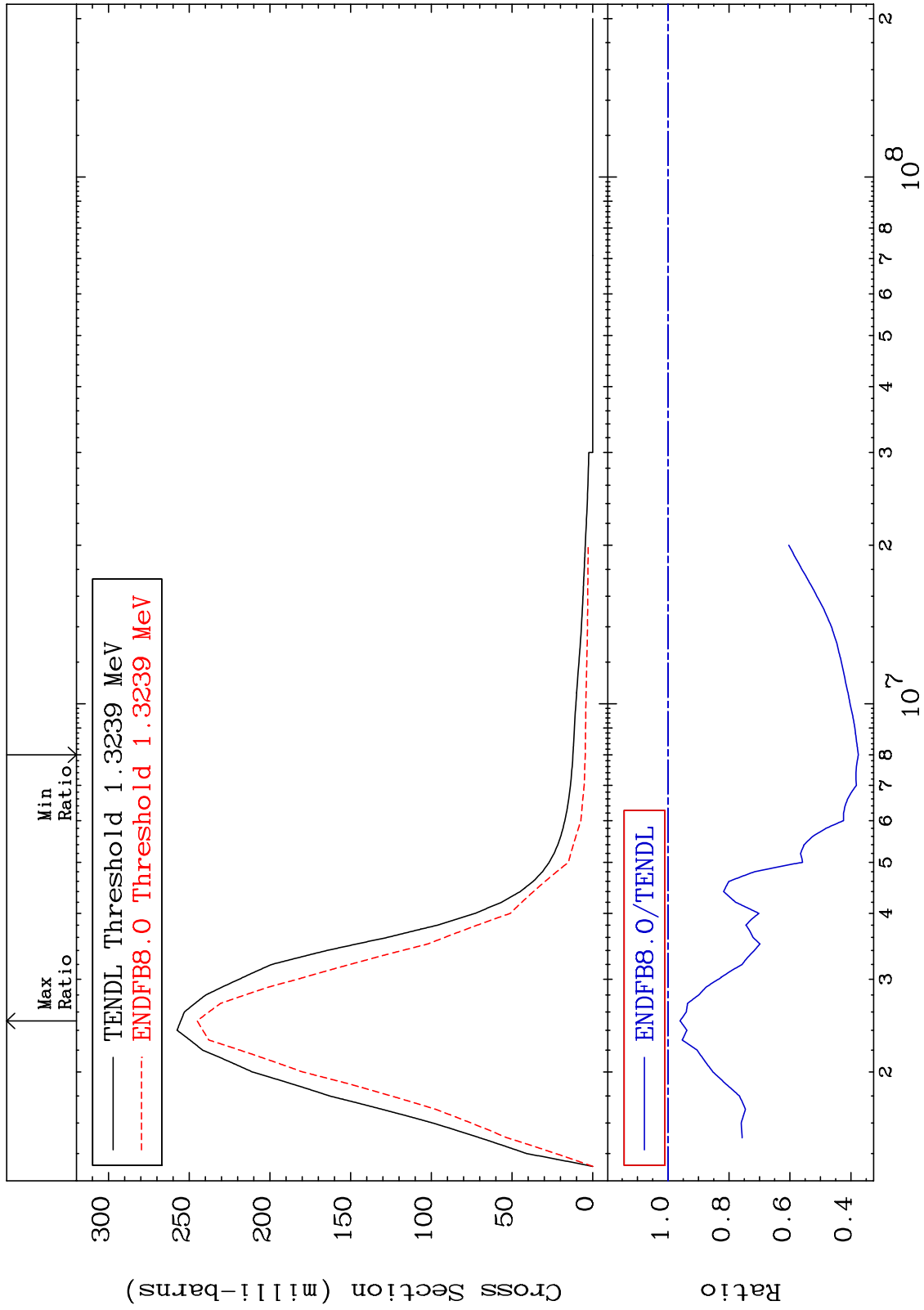
58-Ce-136  
-90.87 To -6.376%



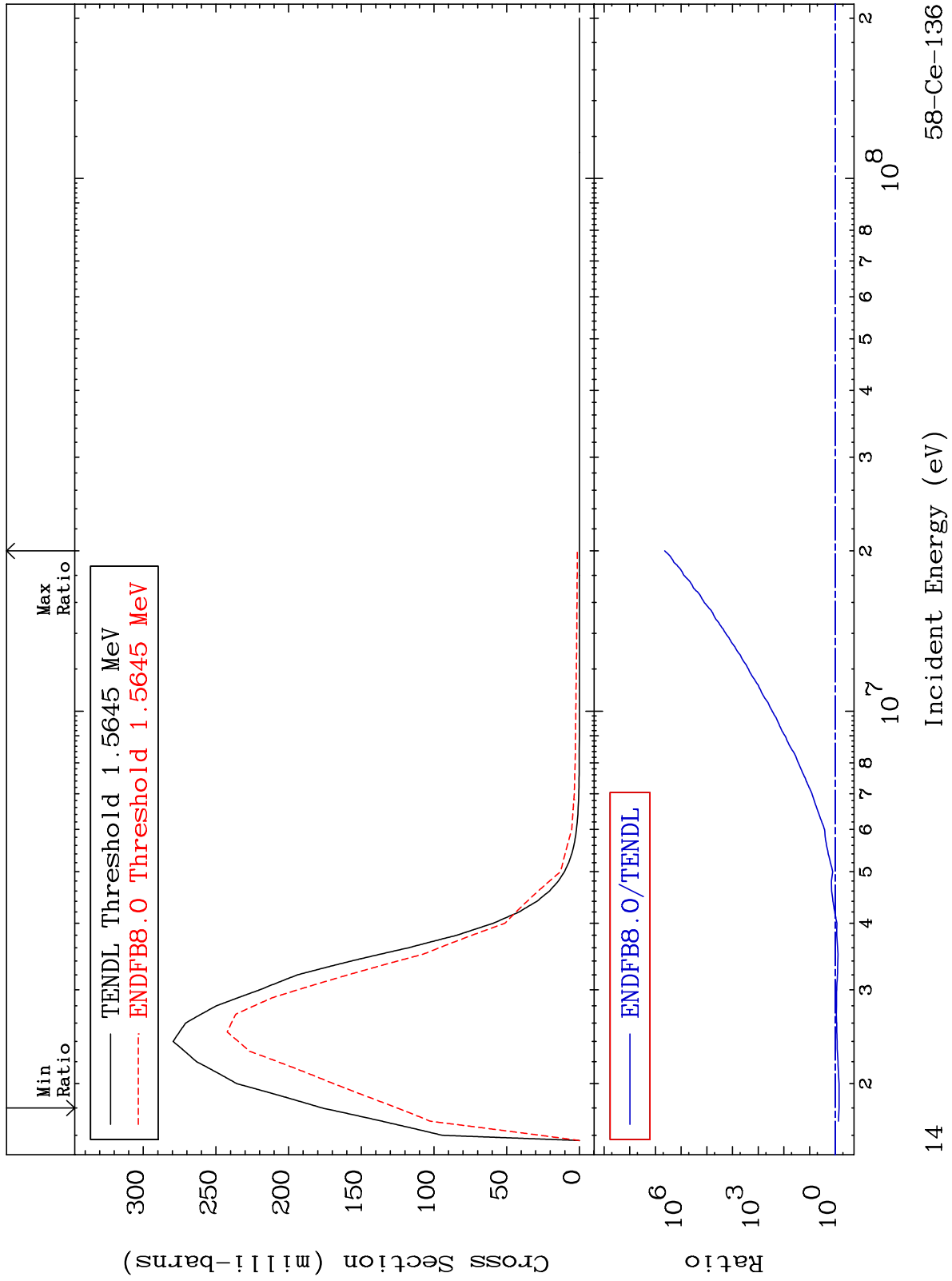
MAT 5825

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

58-Ce-136  
-62.44 To -3.961%



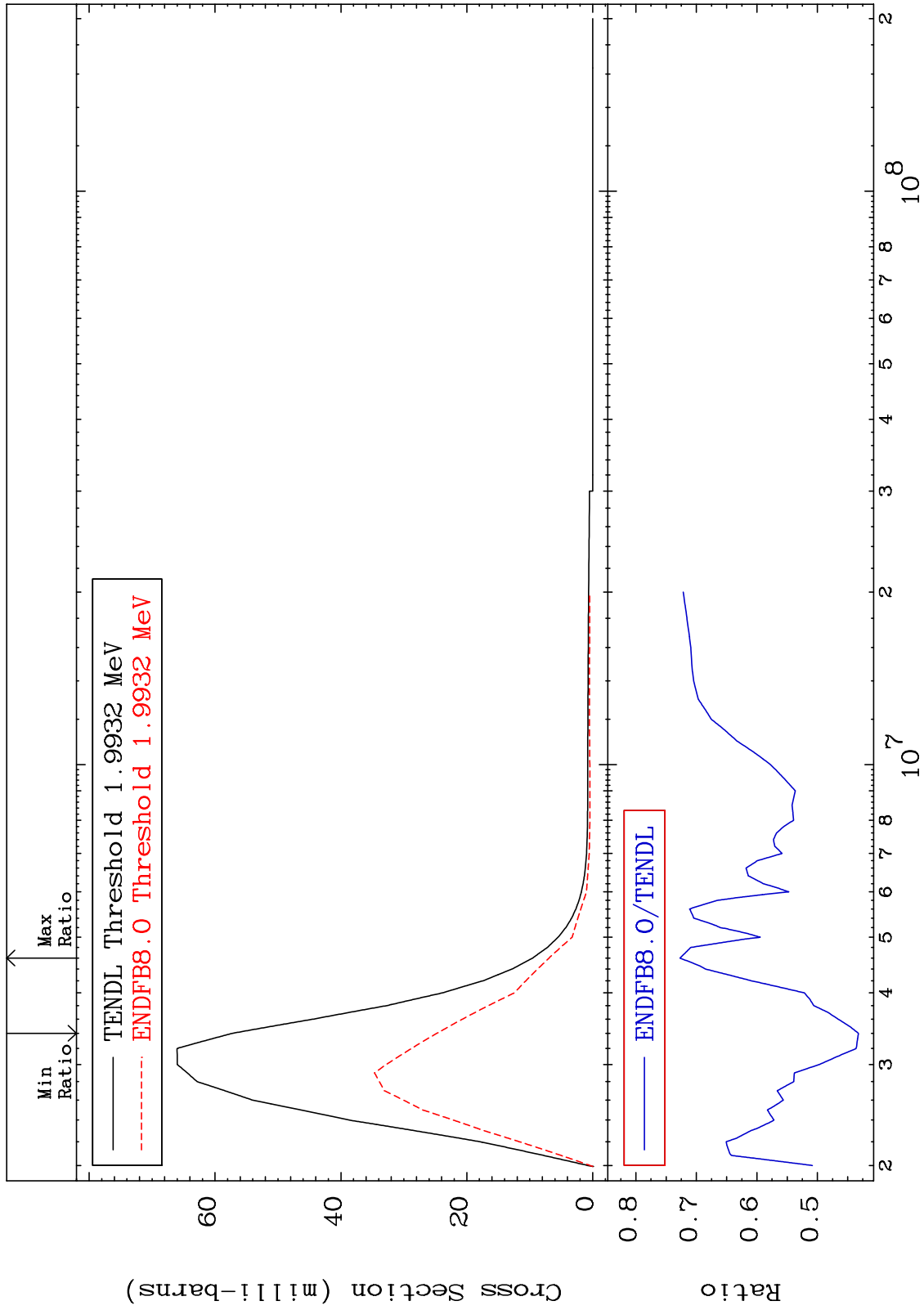
MAT 5825 MT= 55 (n,n') Level Cross Section 58-Ce-136 -29.20 To 9999. %



MAT 5825

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

58-Ce-136  
-56.77 To -27.29%

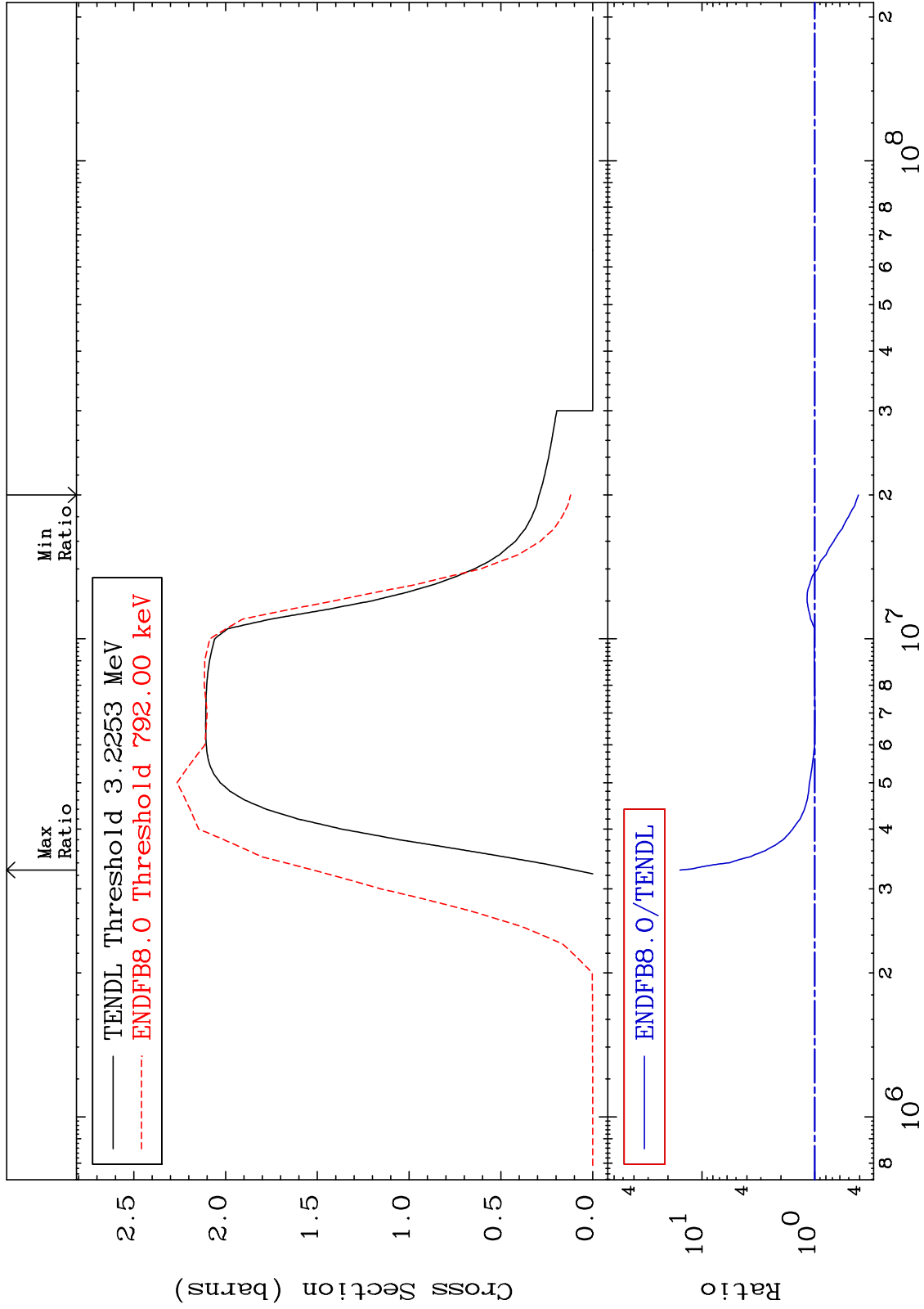




MAT 5825

(n, n') Continuum  
Cross Section

58-Ce-136  
-58.89 To 1464. %

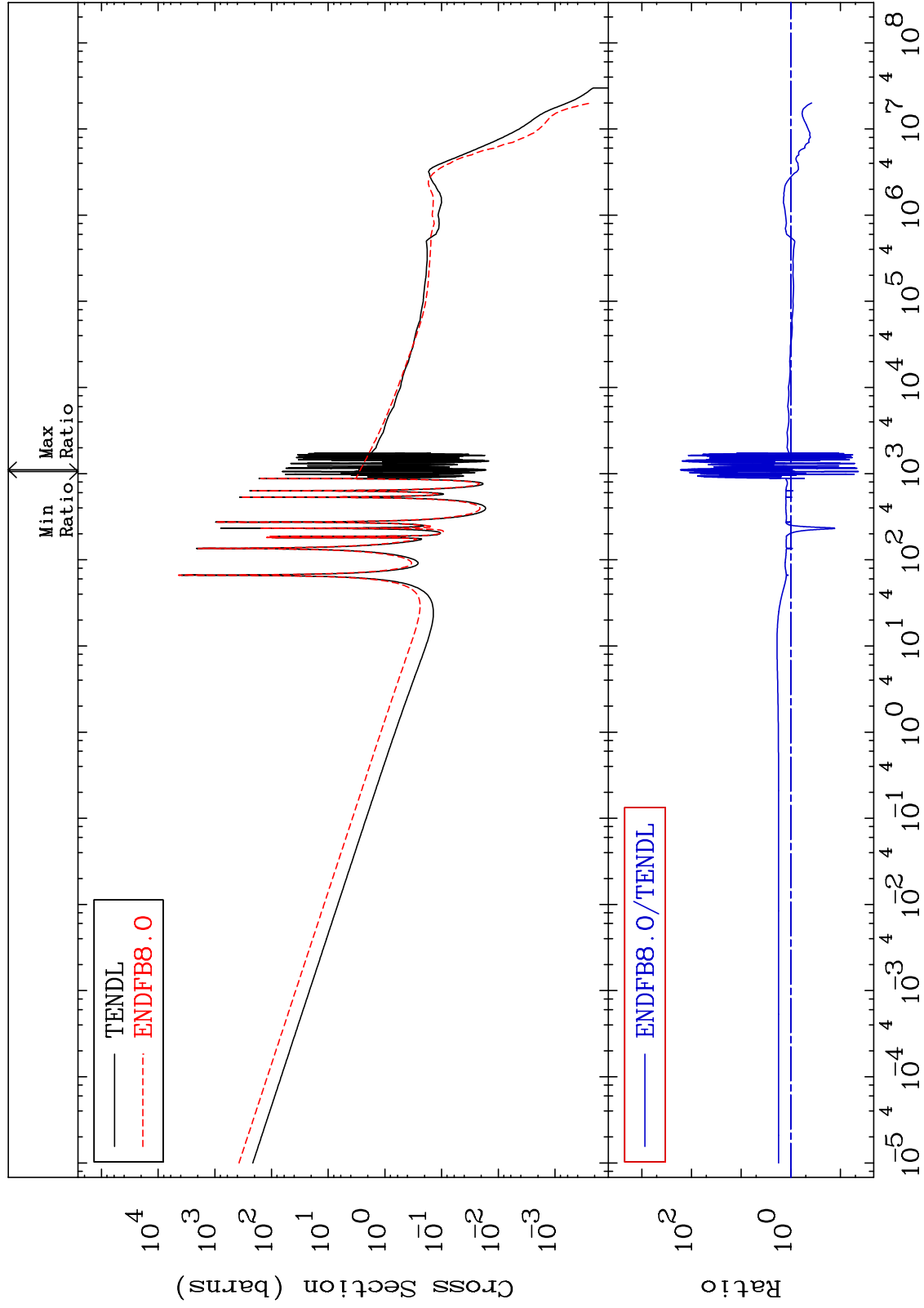


16 58-Ce-136

MAT 5825

(n,  $\gamma$ )  
Cross Section

58-Ce-136  
-95.68 To 9999. %



17

Incident Energy (eV)

58-Ce-136

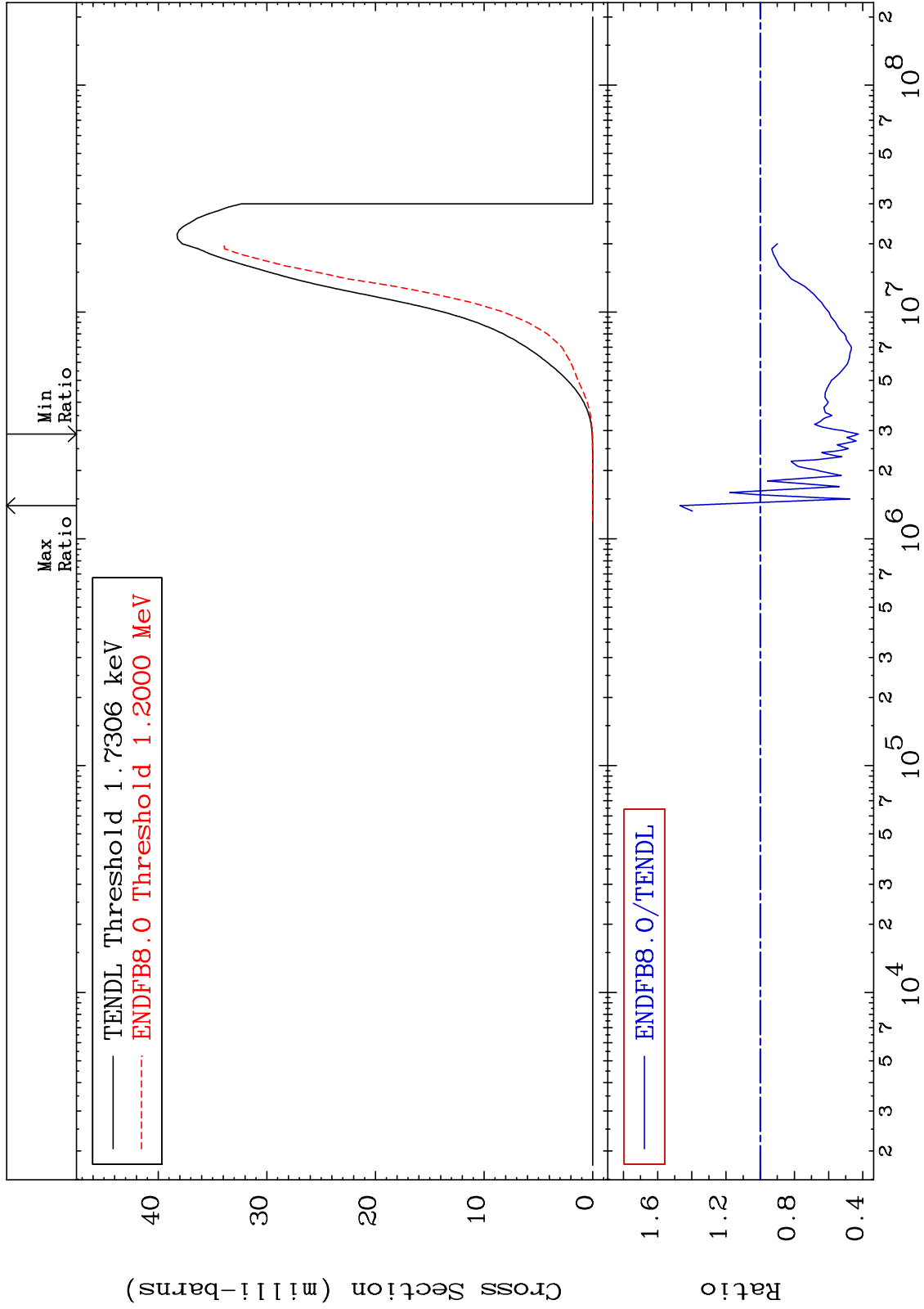
MAT 5825

(n, p)

58-Ce-136

Cross Section

-57.42 To 46.89 %



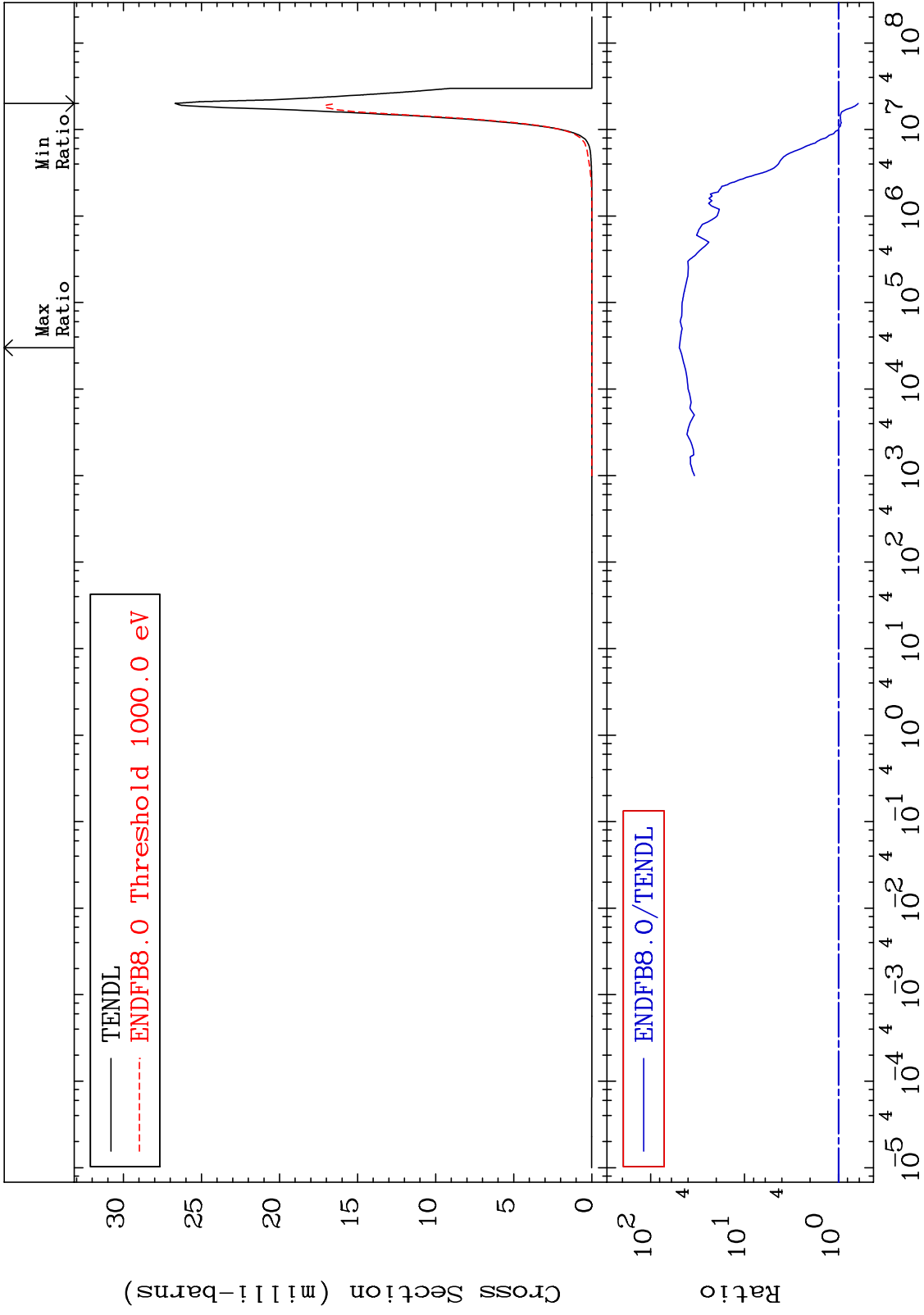
MAT 5825

(n,  $\alpha$ )

58-Ce-136

Cross Section

-38.49 To 4842. %



19

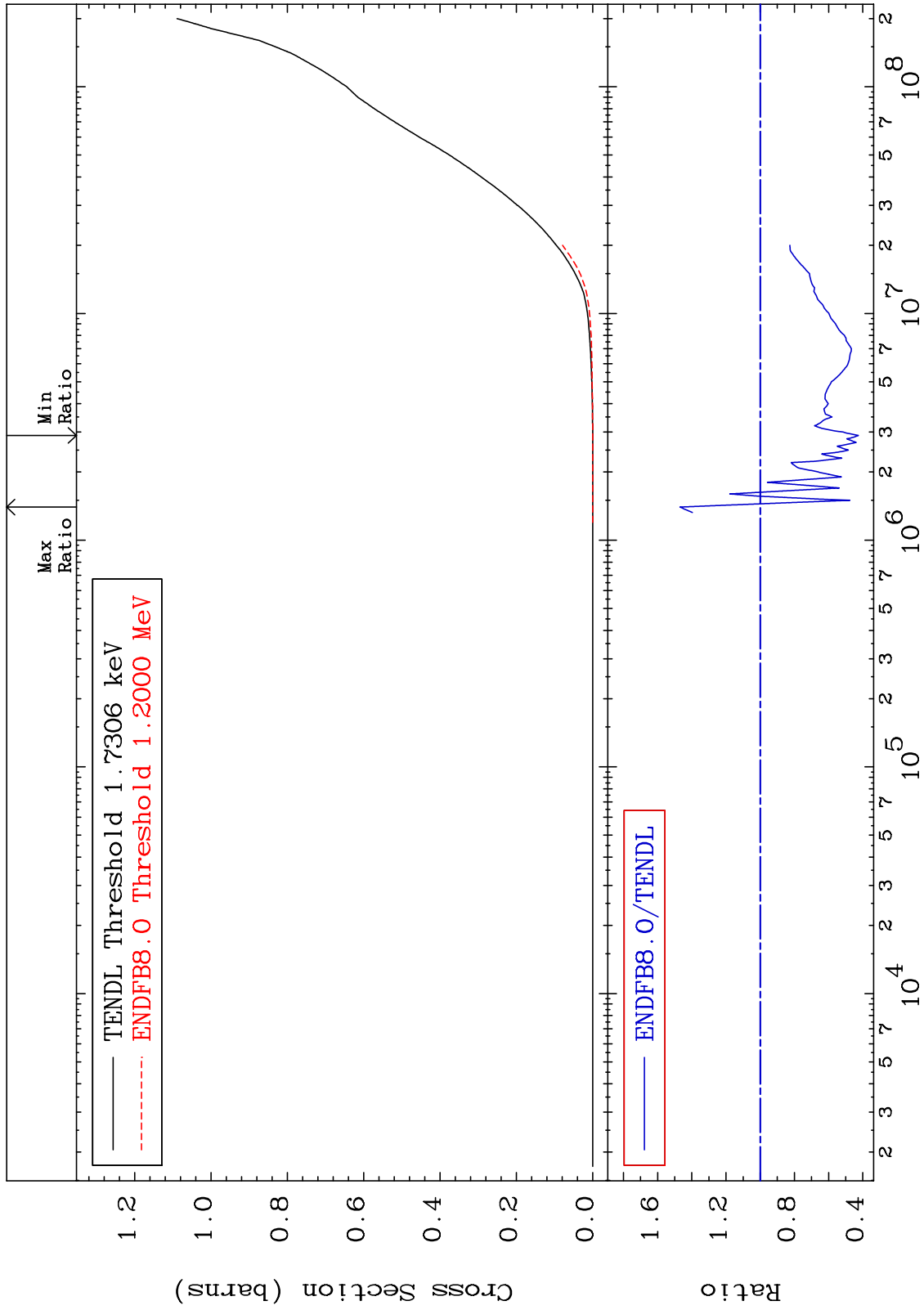
Incident Energy (eV)

58-Ce-136

MAT 5825

Hydrogen Production  
Cross Section

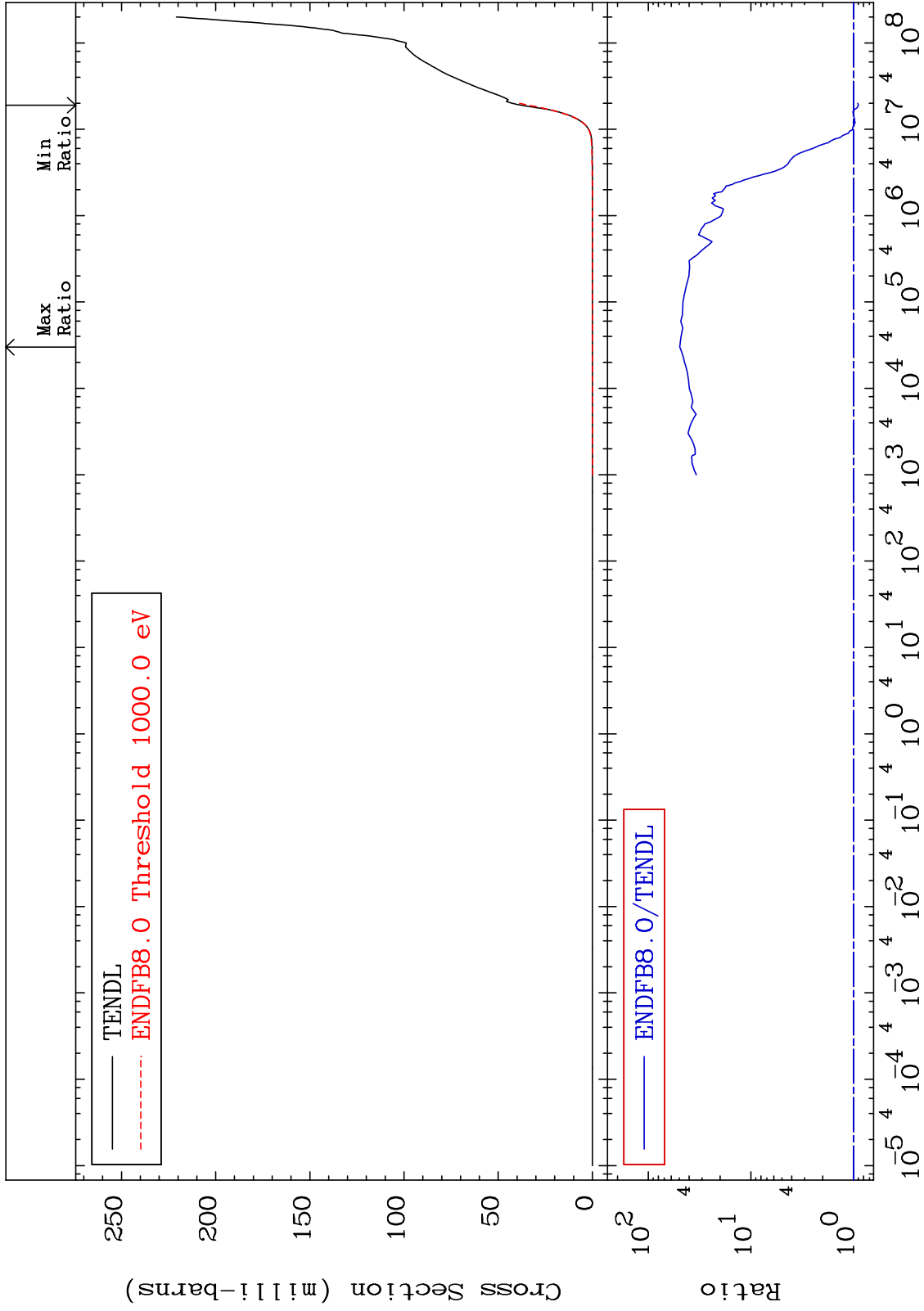
58-Ce-136  
-57.42 To 46.89 %



MAT 5825

He-4 Production  
Cross Section

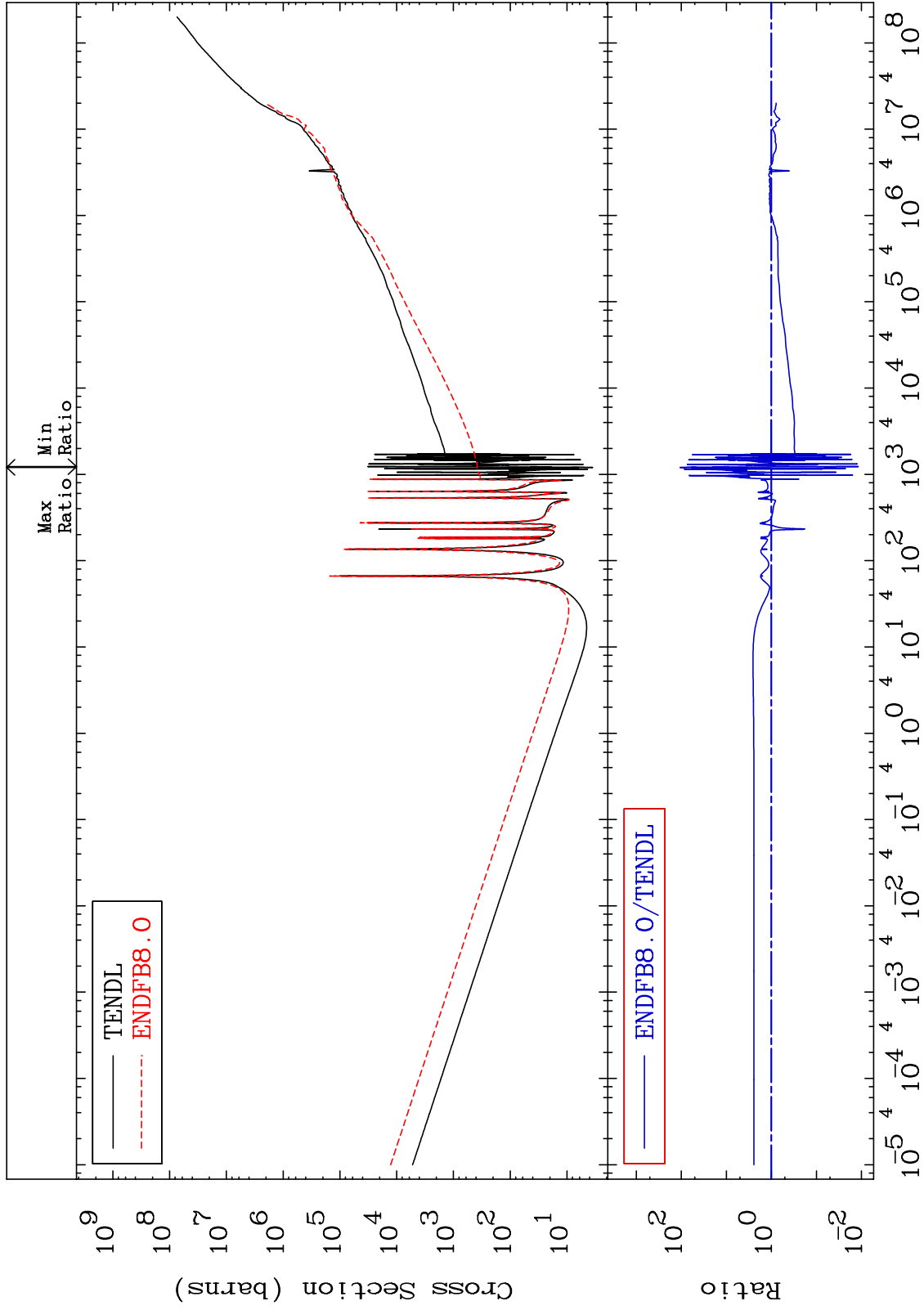
58-Ce-136  
-10.23 To 4842. %



MAT 5825

Kerma total (eV-barns)  
Cross Section

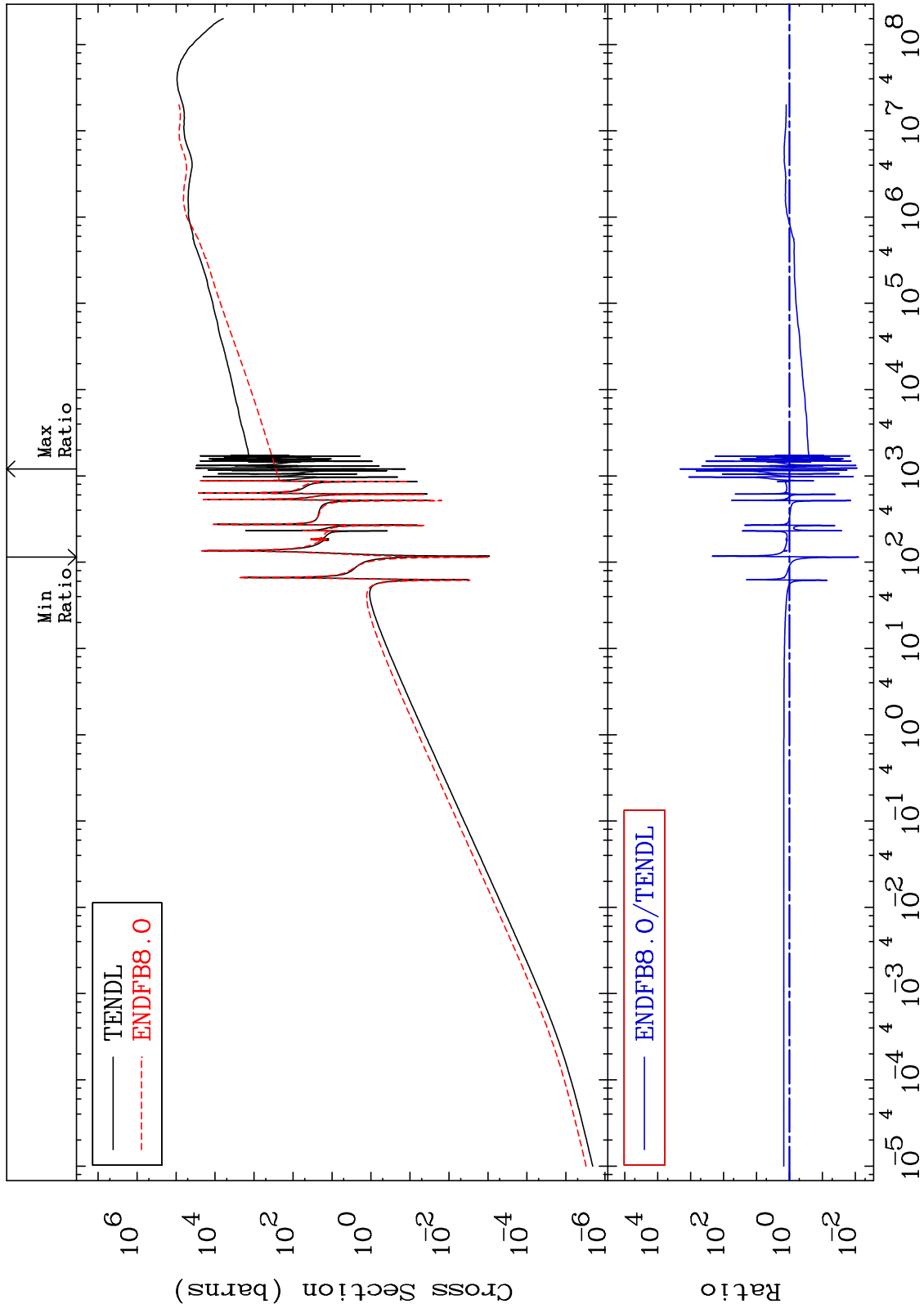
58-Ce-136  
-98.83 To 9999. %



MAT 5825

Kerma elastic  
Cross Section

58-Ce-136  
-99.20 To 9999. %

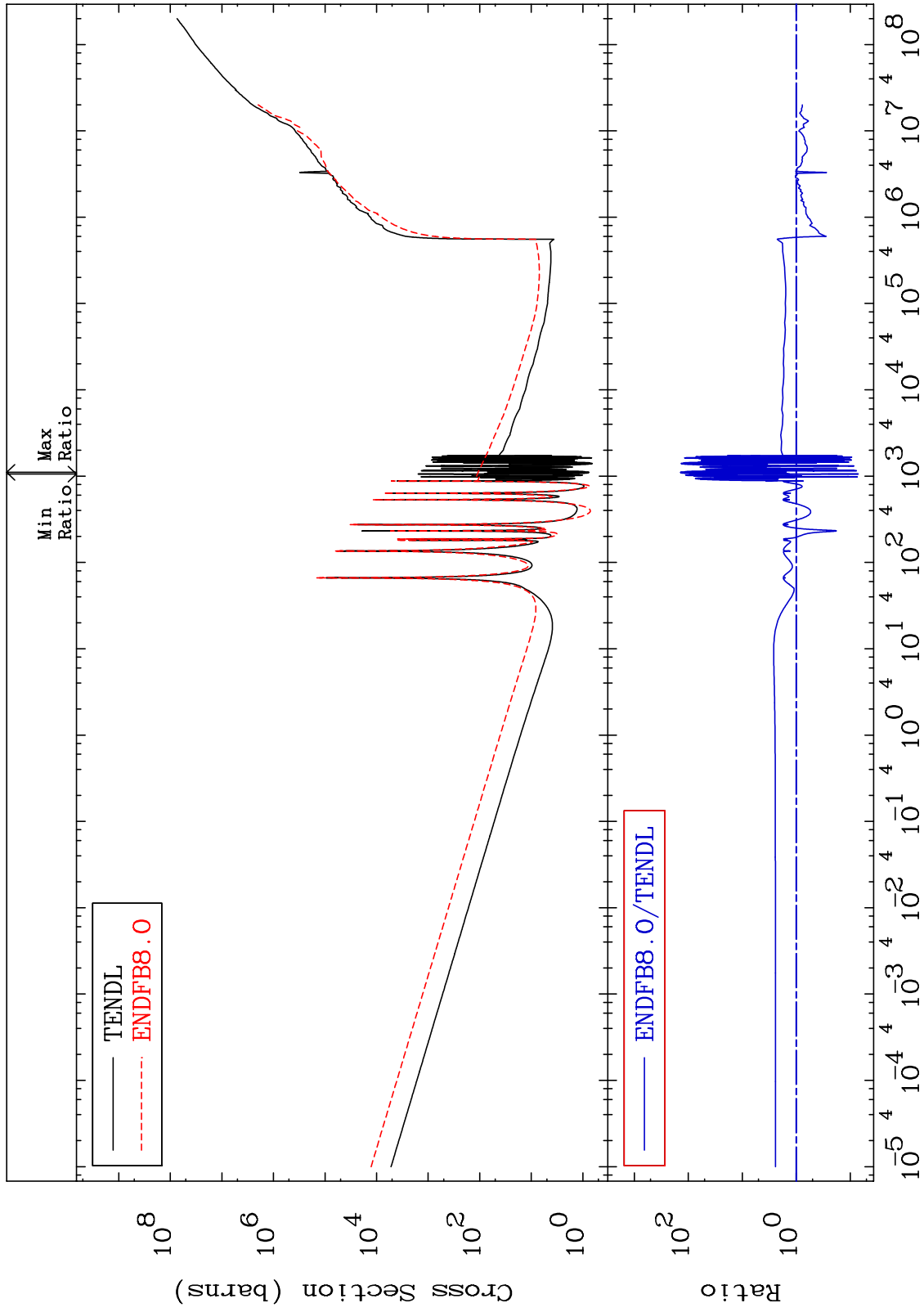




MAT 5825

Kerma non-elastic (all but mt2)  
Cross Section

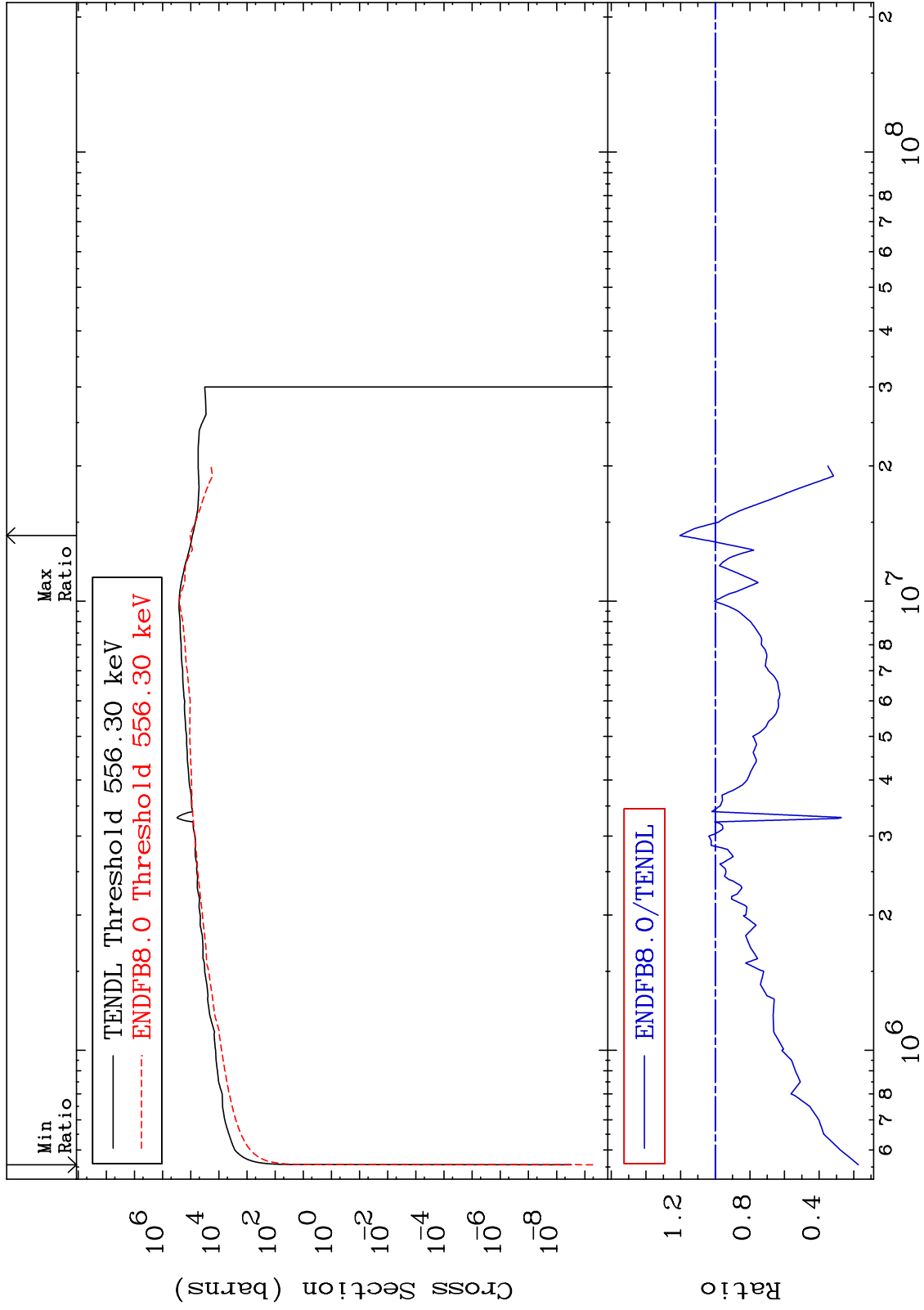
58-Ce-136  
-92.94 To 9999. %



MAT 5825

Kerma inelastic (mt51-91)  
Cross Section

58-Ce-136  
-82.67 To 20.34 %



25

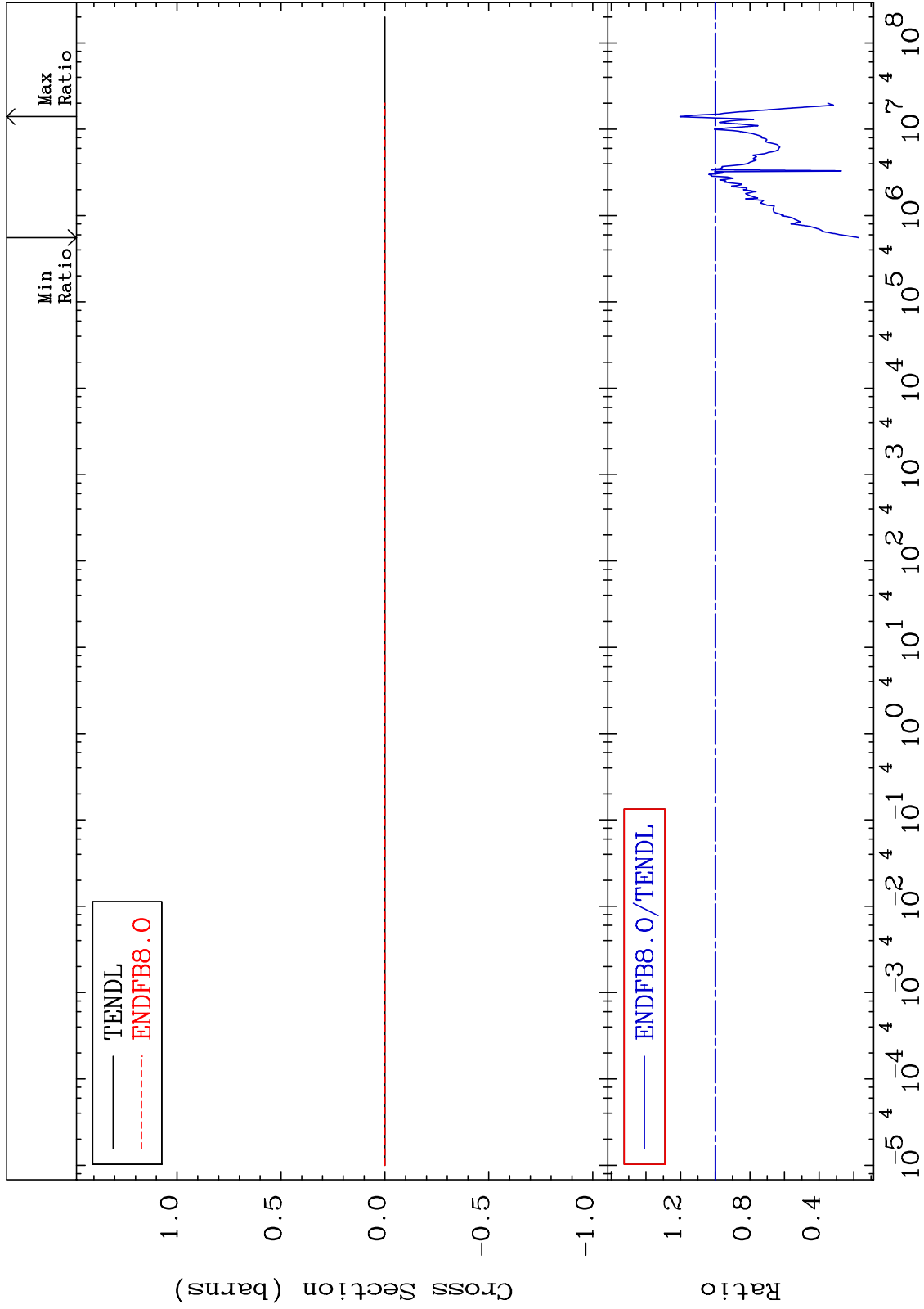
58-Ce-136

58-Ce-136

MAT 5825

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

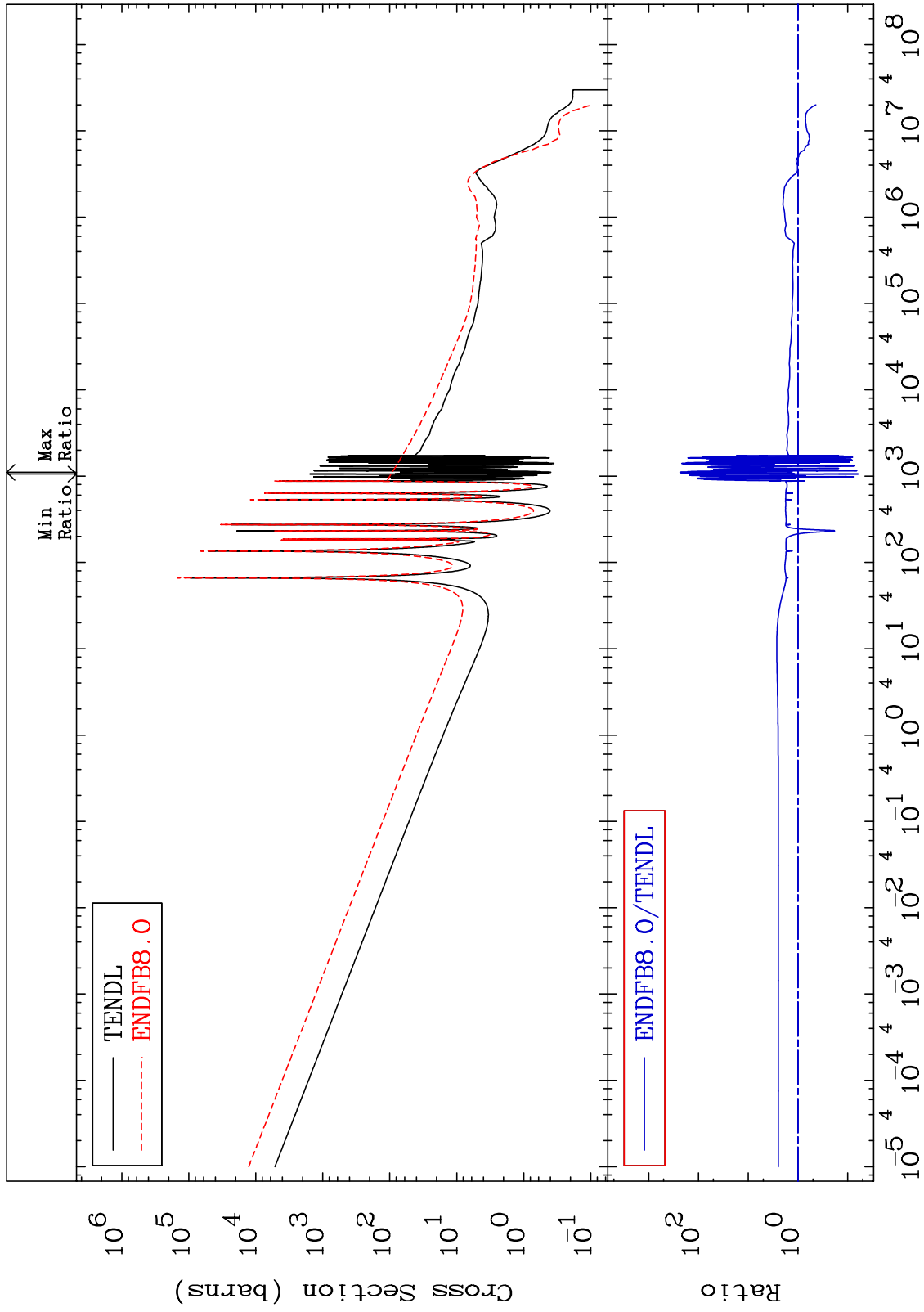
58-Ce-136  
-82.67 To 20.34 %



MAT 5825

Kerma capture (mt102)  
Cross Section

58-Ce-136  
-93.91 To 9999. %



27

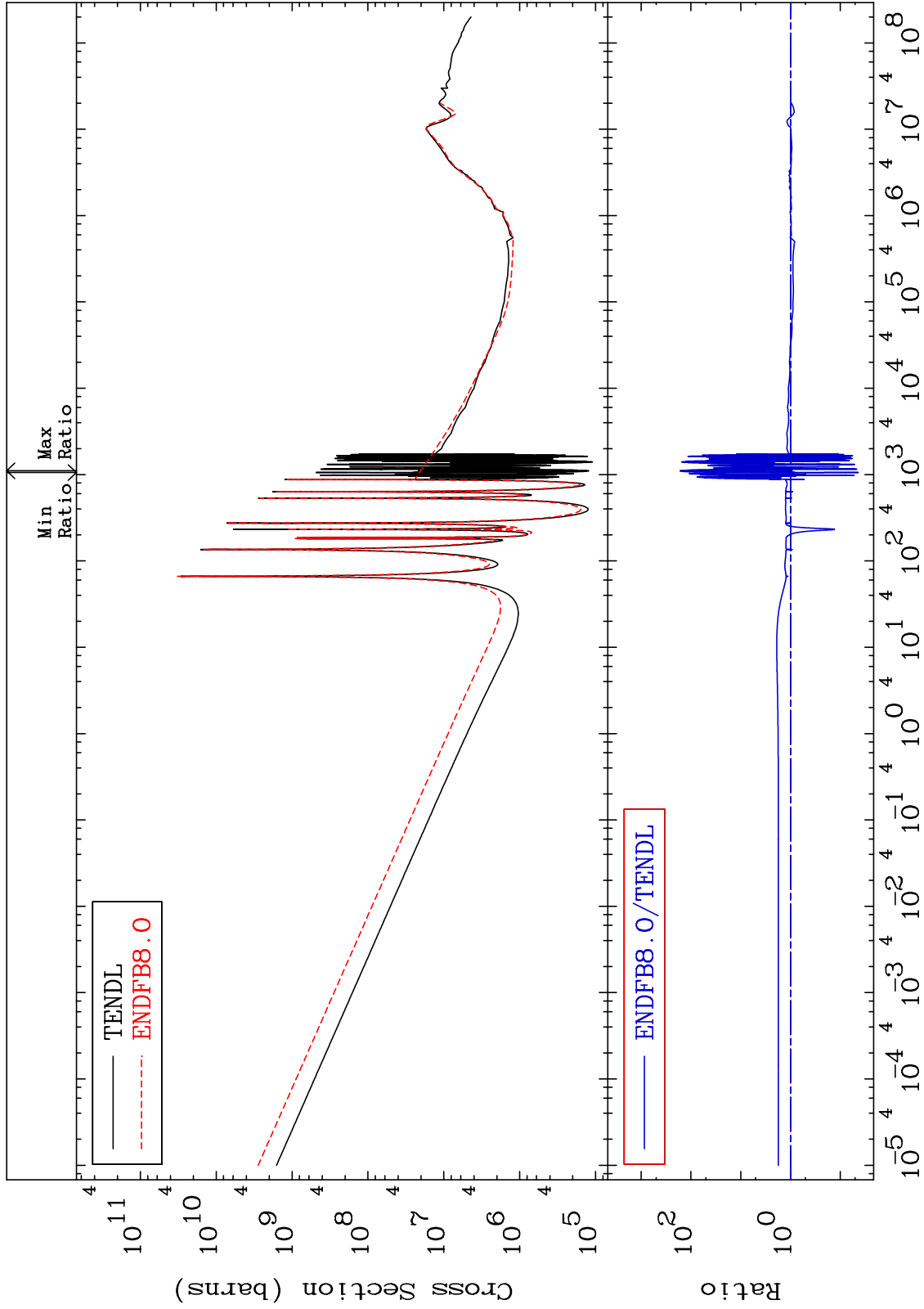
Incident Energy (eV)

58-Ce-136

MAT 5825

Total photon (eV-barns)  
Cross Section

58-Ce-136  
-95.69 To 9999. %



28

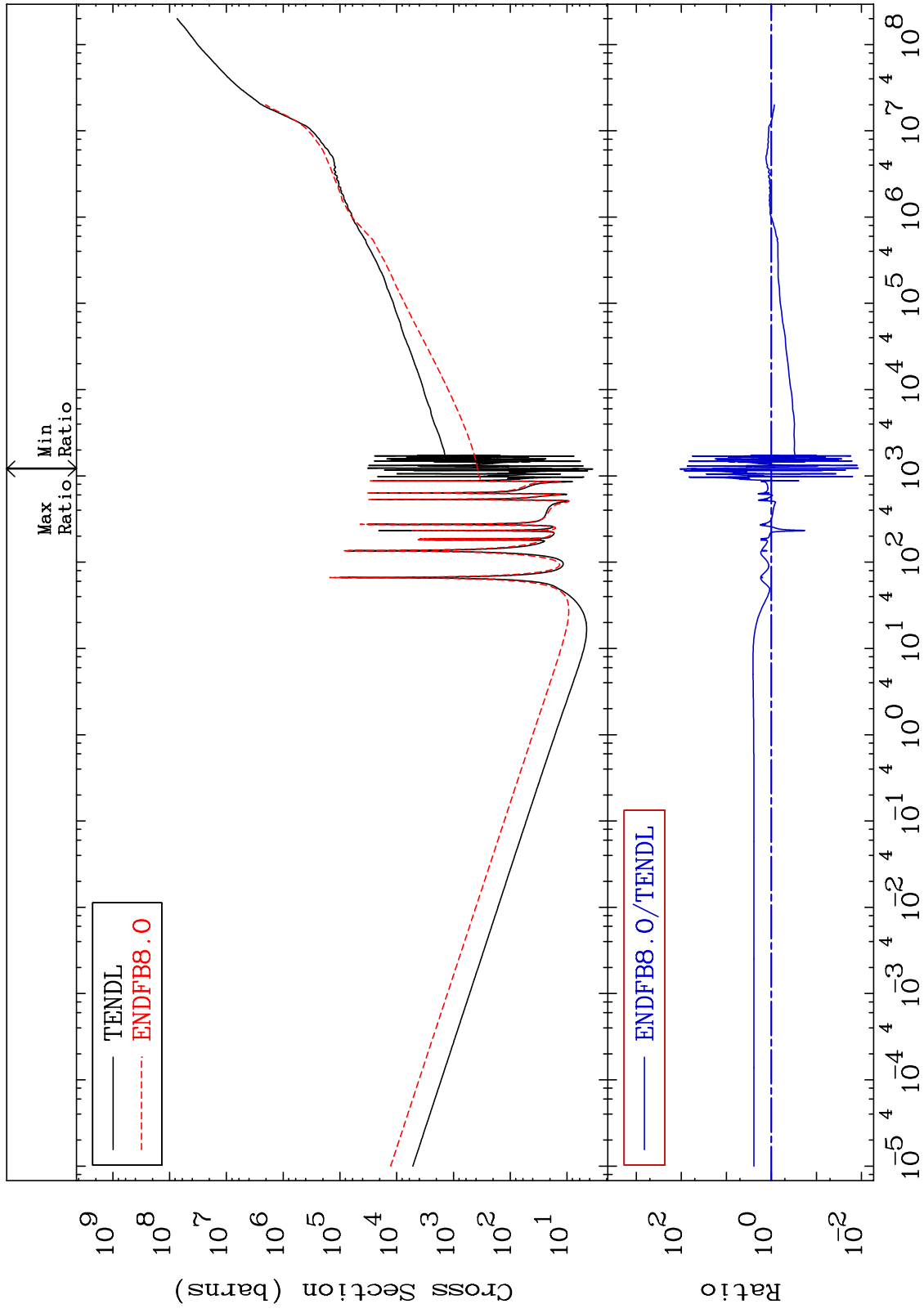
Incident Energy (eV)

58-Ce-136

MAT 5825

Total kinematic kerma (high limit)  
Cross Section

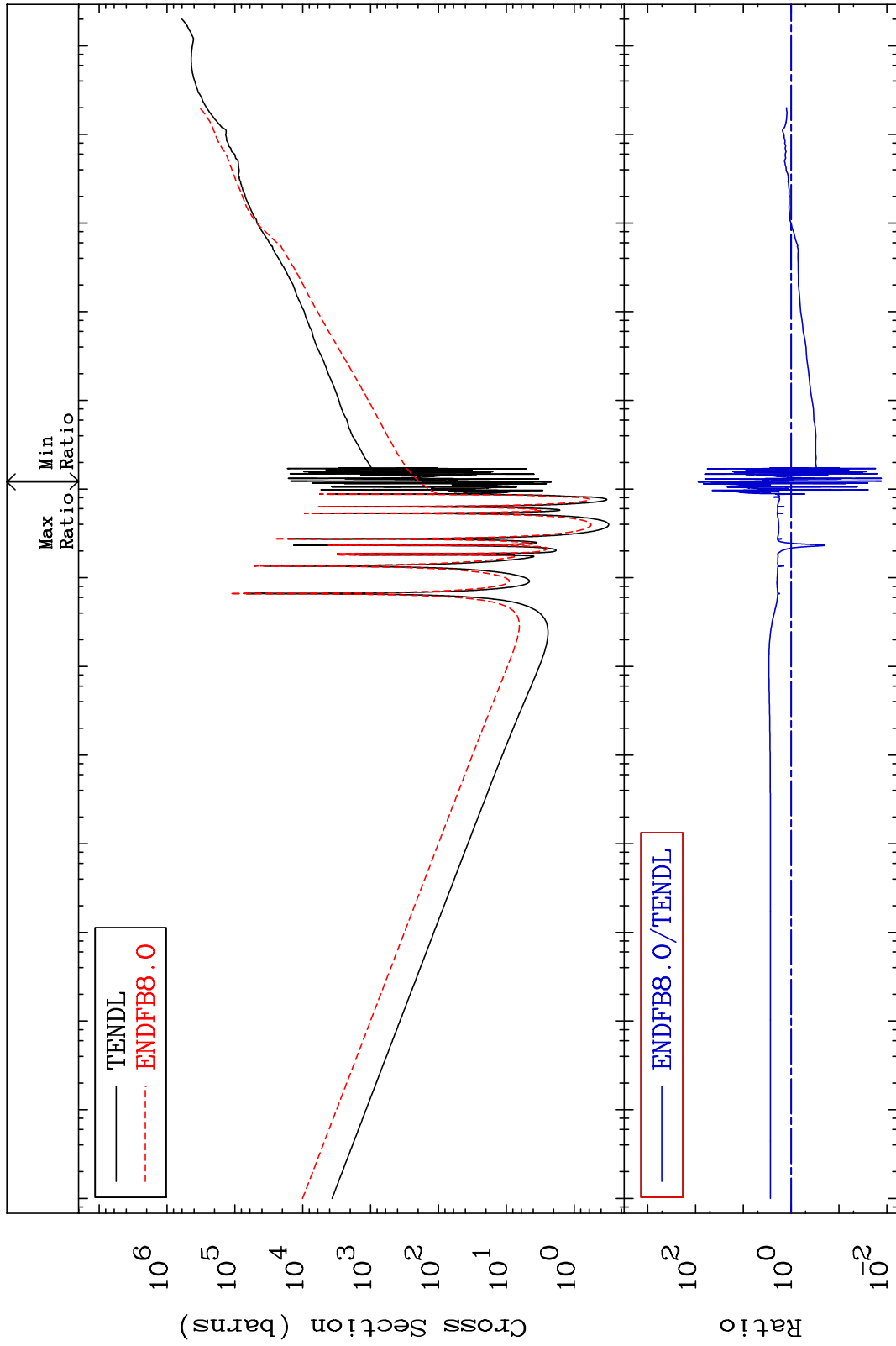
58-Ce-136  
-98.83 To 9999. %



MAT 5825

Dpa total (eV-barns)  
Cross Section

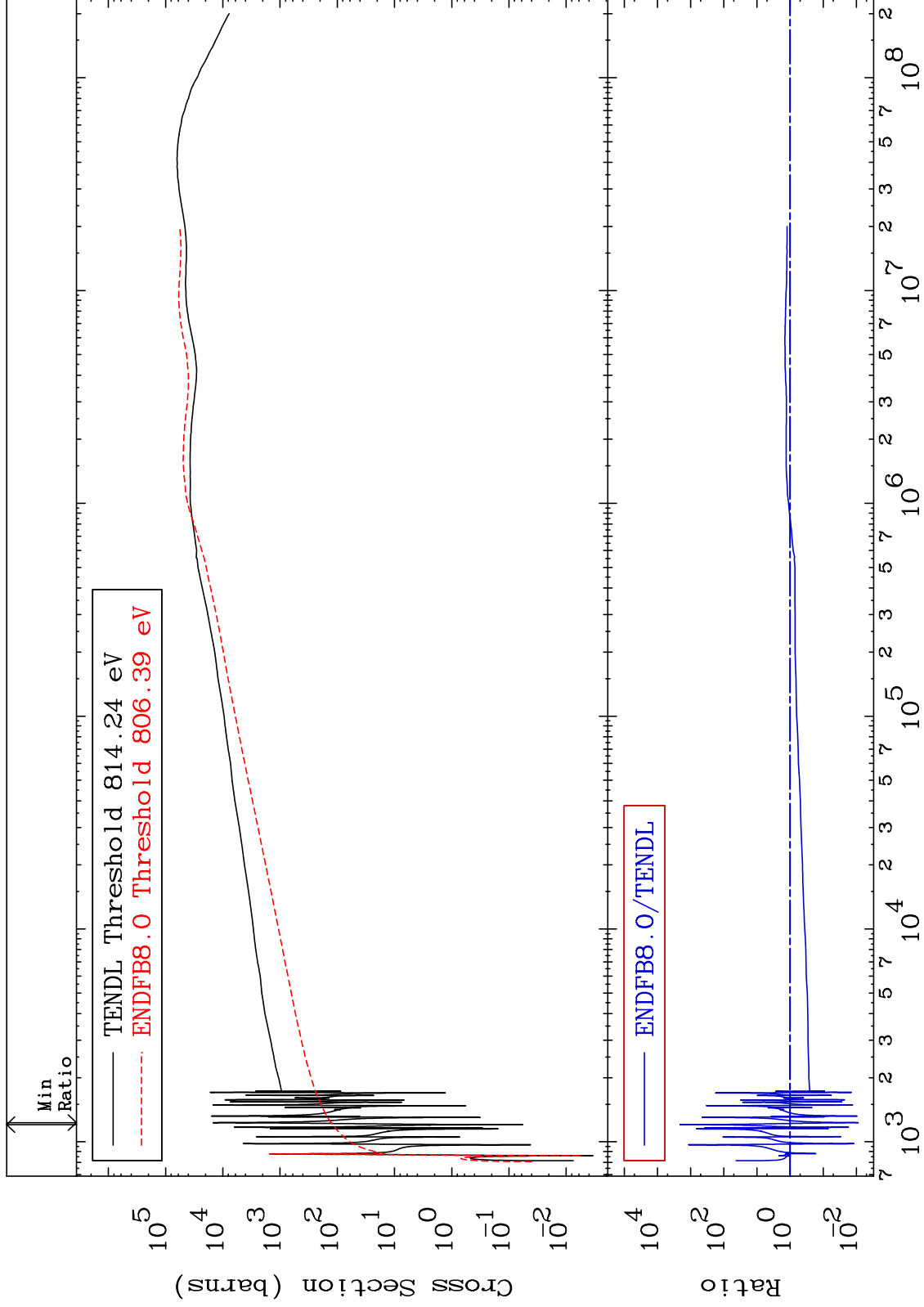
58-Ce-136  
-98.71 To 8615. %



MAT 5825

Dpa elastic (mt2)  
Cross Section

58-Ce-136  
-99.12 To 9999. %

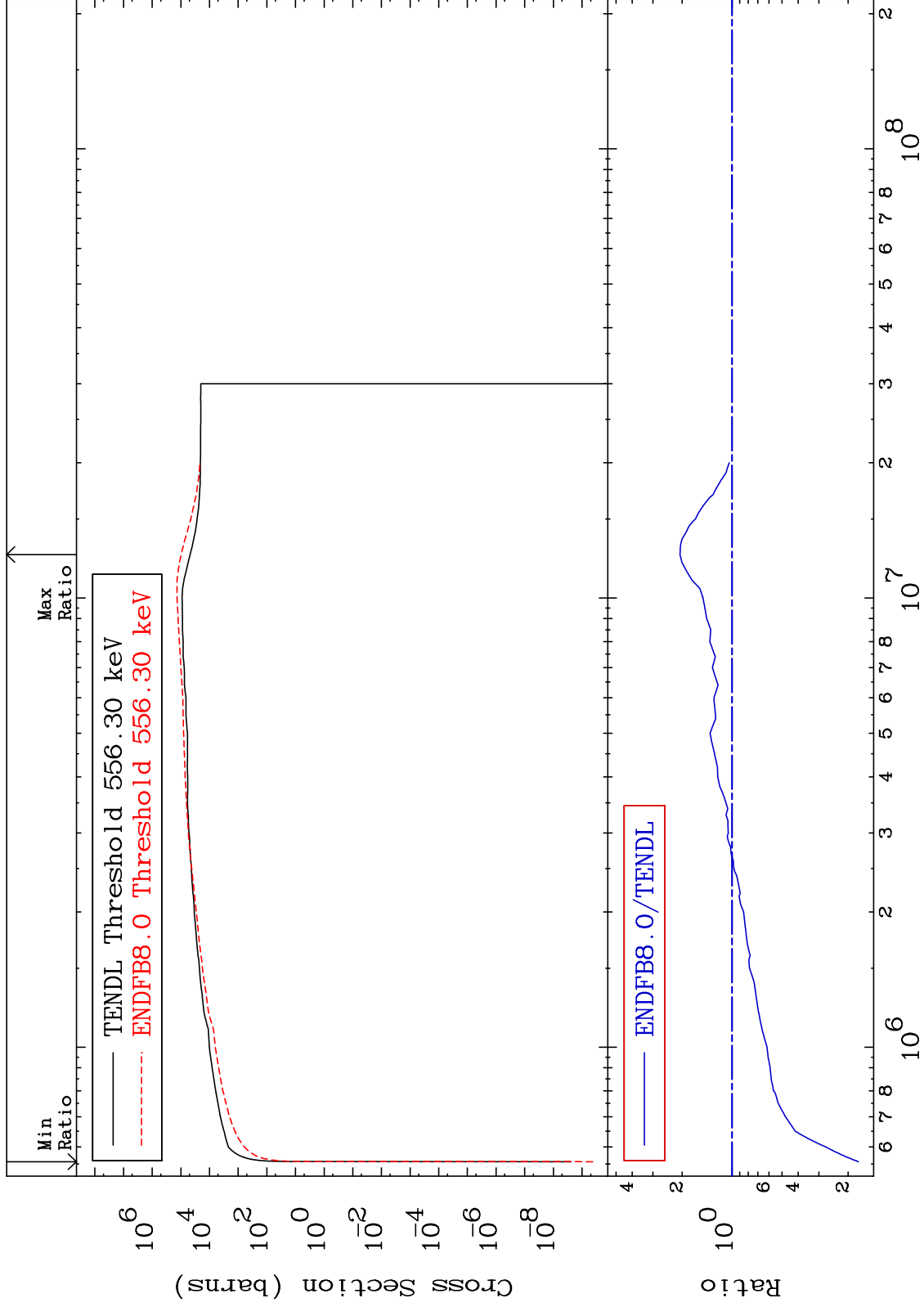




MAT 5825

Dpa inelastic (mt51-91)  
Cross Section

58-Ce-136  
-82.67 To 105.7 %



MAT 5825

Dpa disappearance (mt102 -120)  
Cross Section

58-Ce-136  
-93.26 To 9999. %

