

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

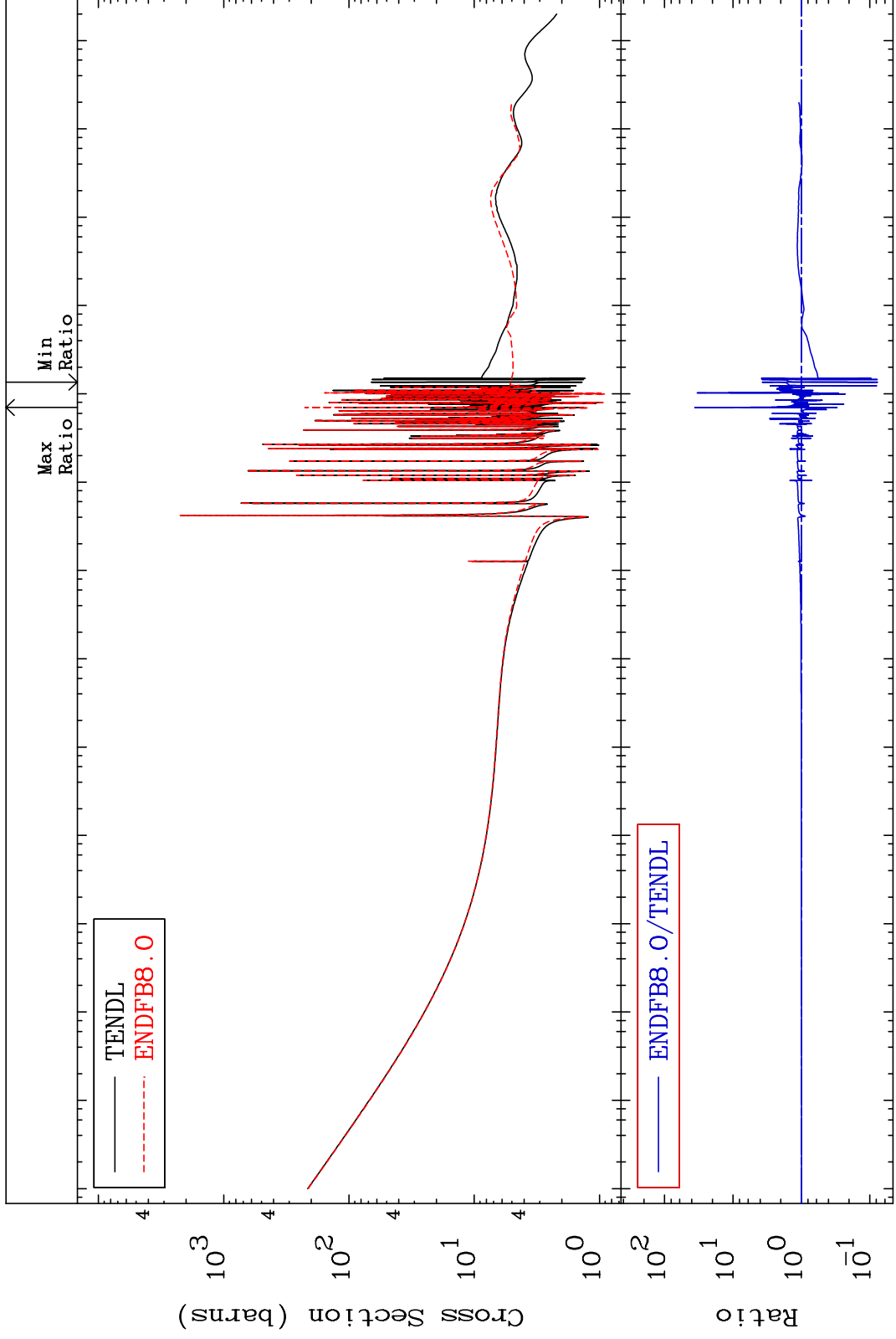
MAT 5646

Total

56-Ba-137

Cross Section

-92.28 To 3499. %



56-Ba-137

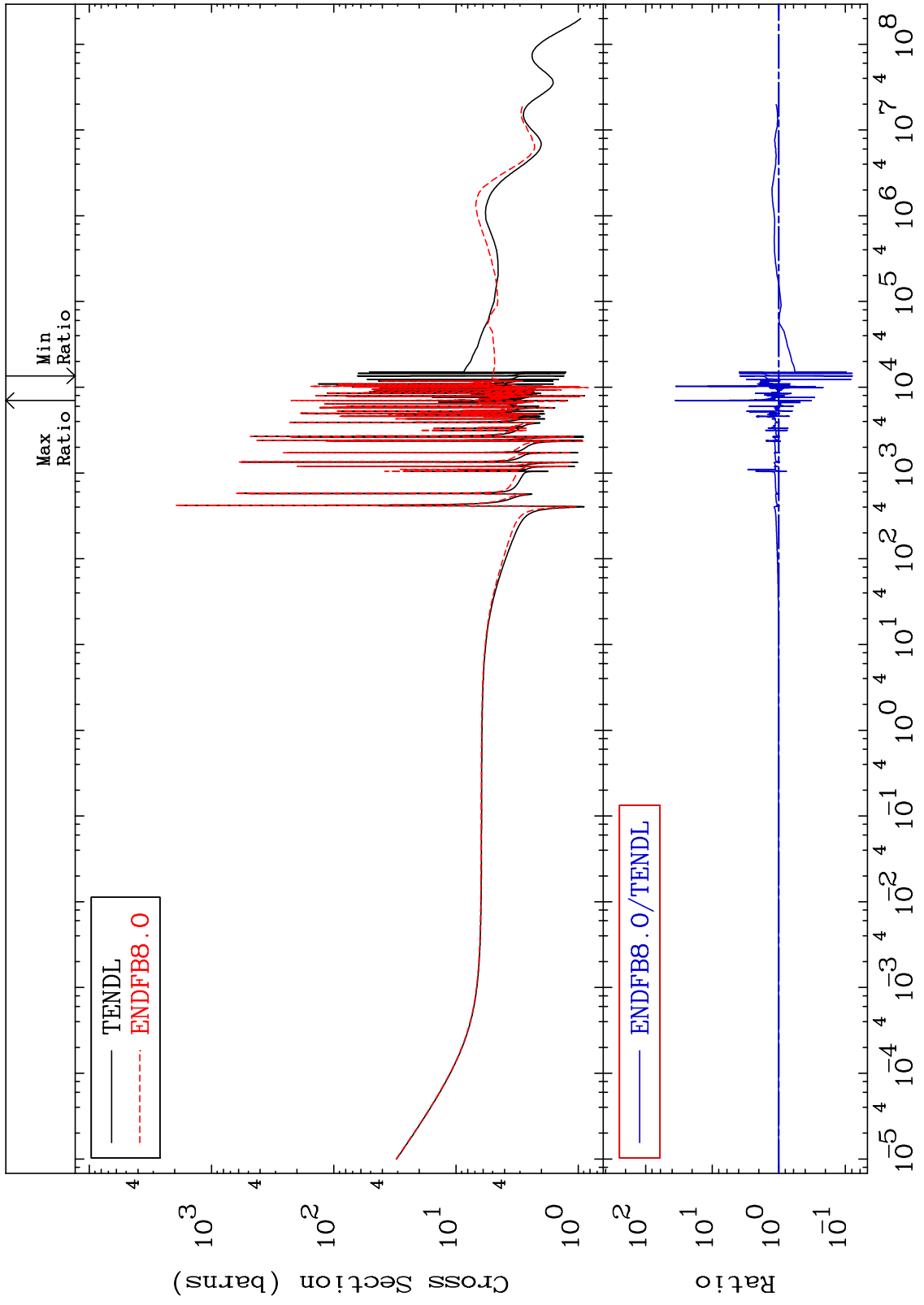
Incident Energy (eV)

1

MAT 5646

Elastic  
Cross Section

56-Ba-137  
-92.13 To 3514. %



Incident Energy (eV)

56-Ba-137

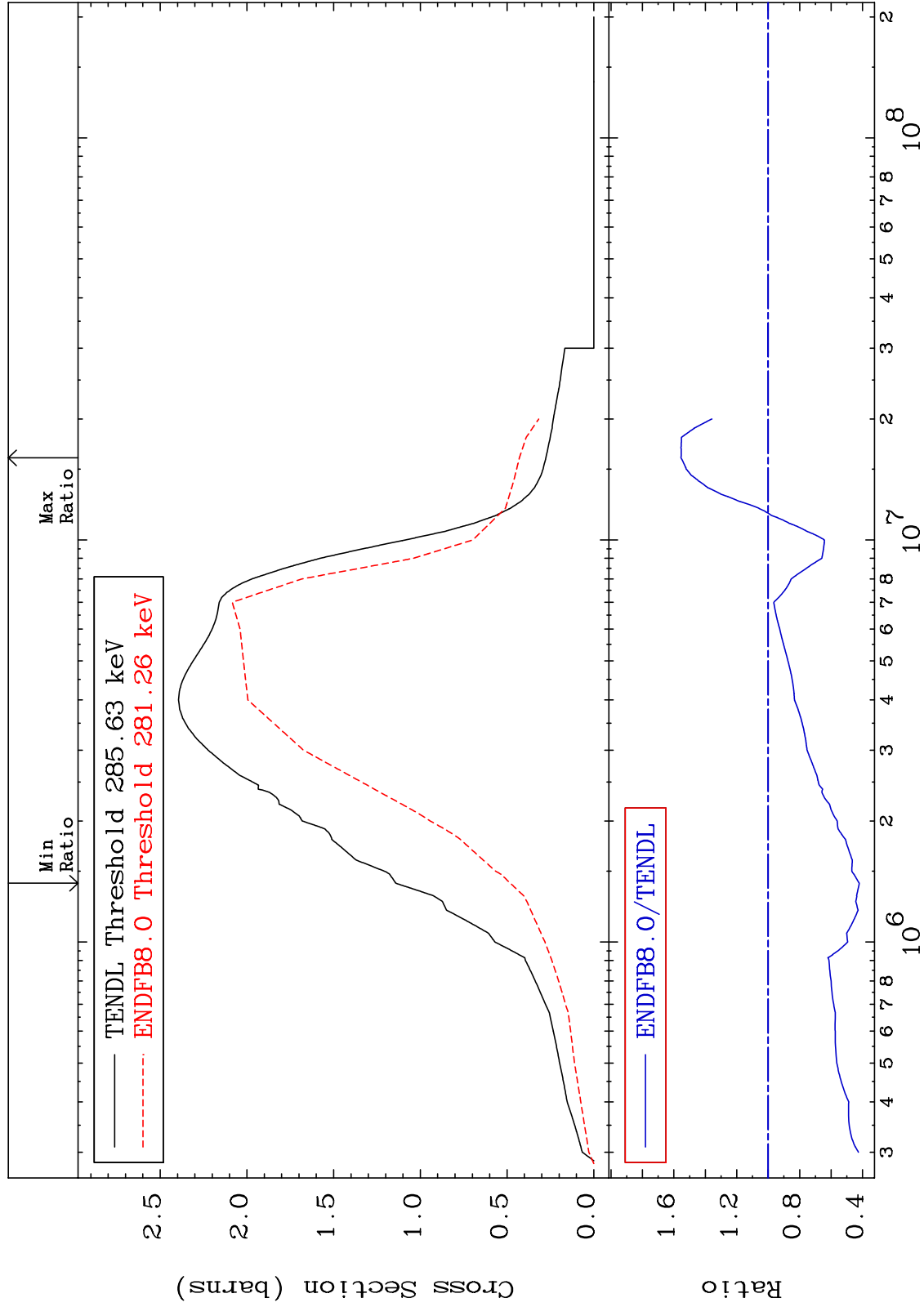
MAT 5646

56-Ba-137

Inelastic

Cross Section

-57.91 To 55.44 %



3

Incident Energy (eV)

56-Ba-137

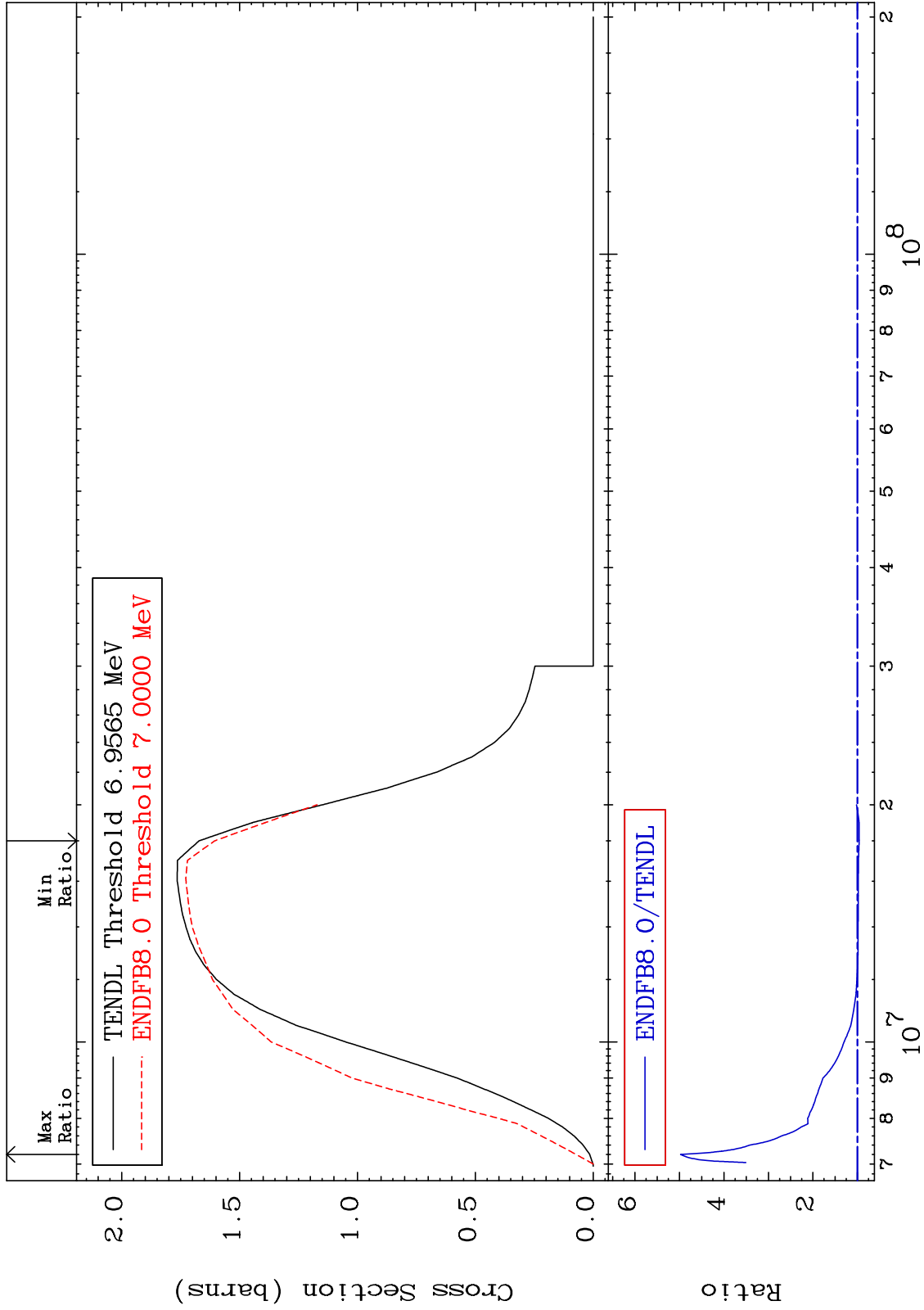
MAT 5646

(n,2n)

56-Ba-137

Cross Section

-3.975 To 397.4 %



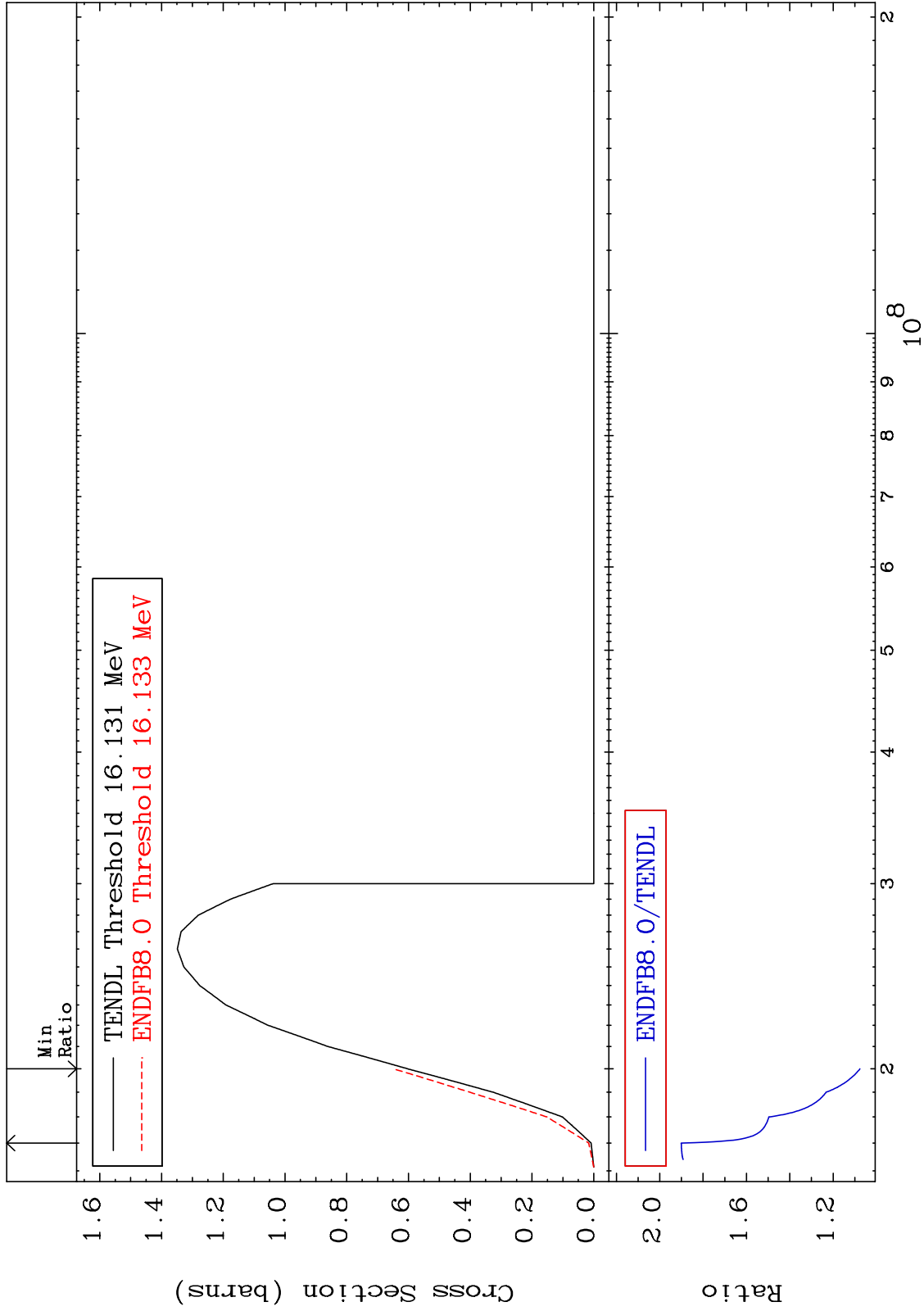
MAT 5646

(n, 3n)

56-Ba-137

Cross Section

7.630 To 90.09 %



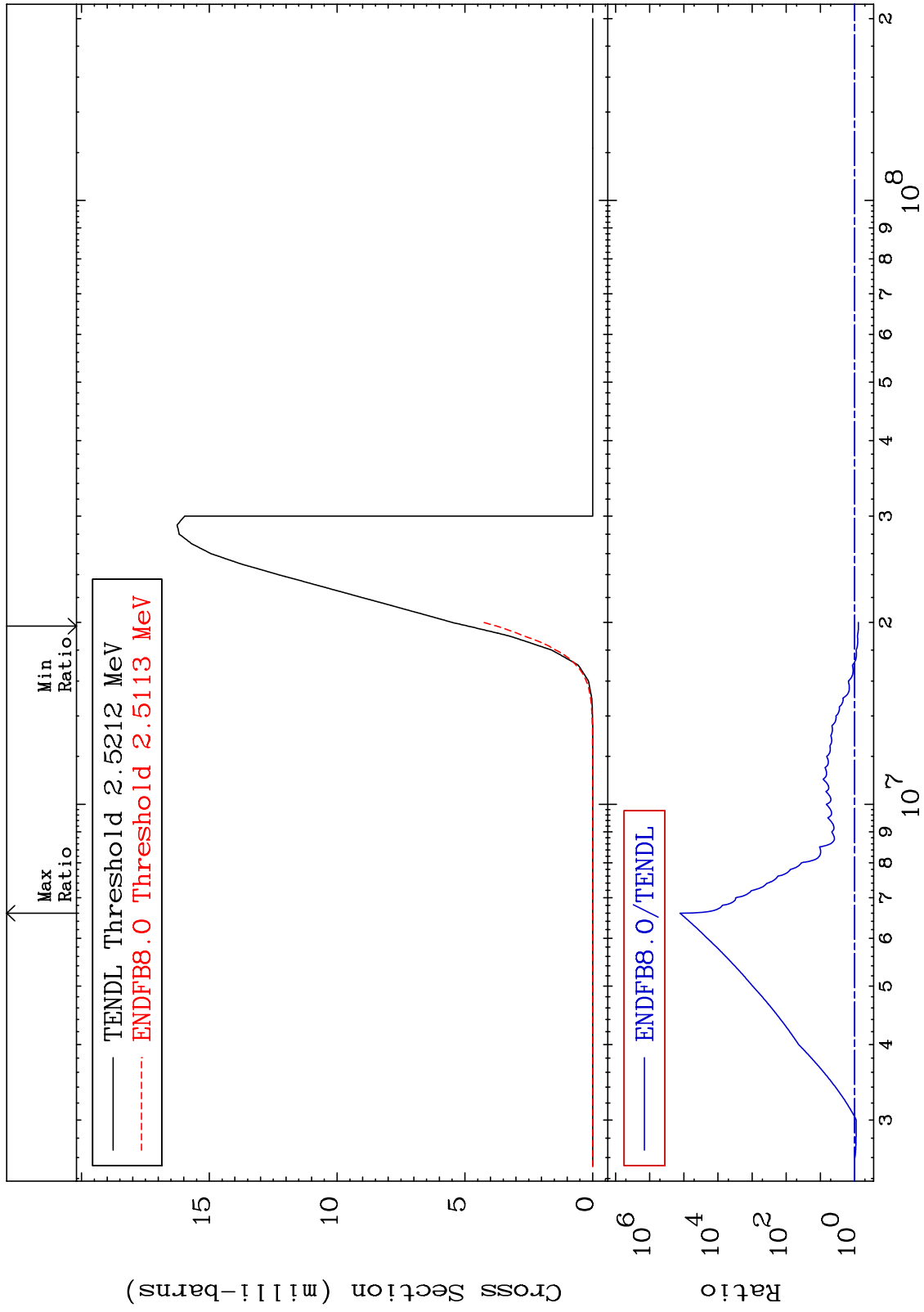
MAT 5646

(n, n')  $\alpha$

56-Ba-137

Cross Section

-22.81 To 9999. %



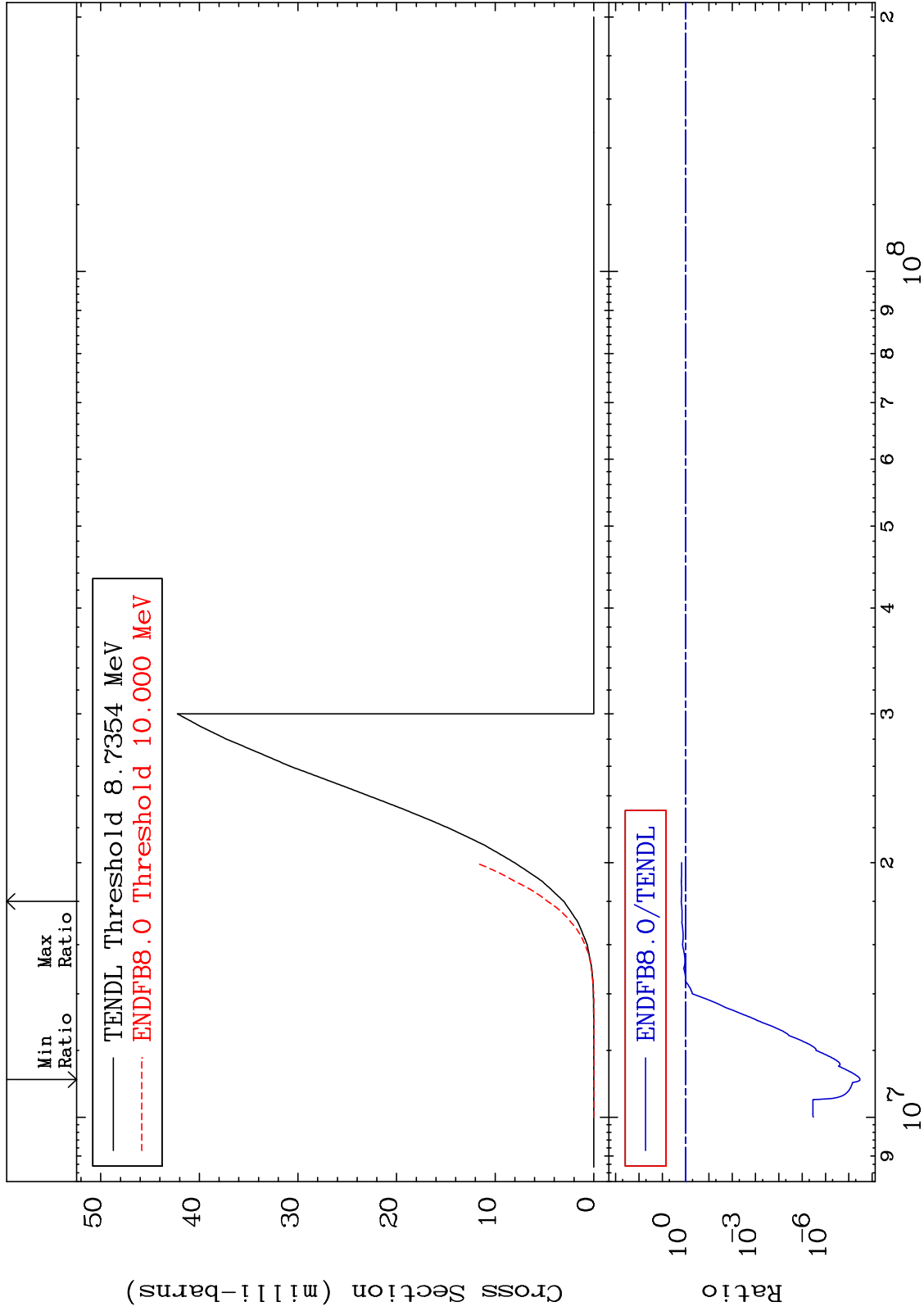
MAT 5646

(n,n') p

56-Ba-137

Cross Section

-100.0 To 53.95 %



7

Incident Energy (eV)

56-Ba-137



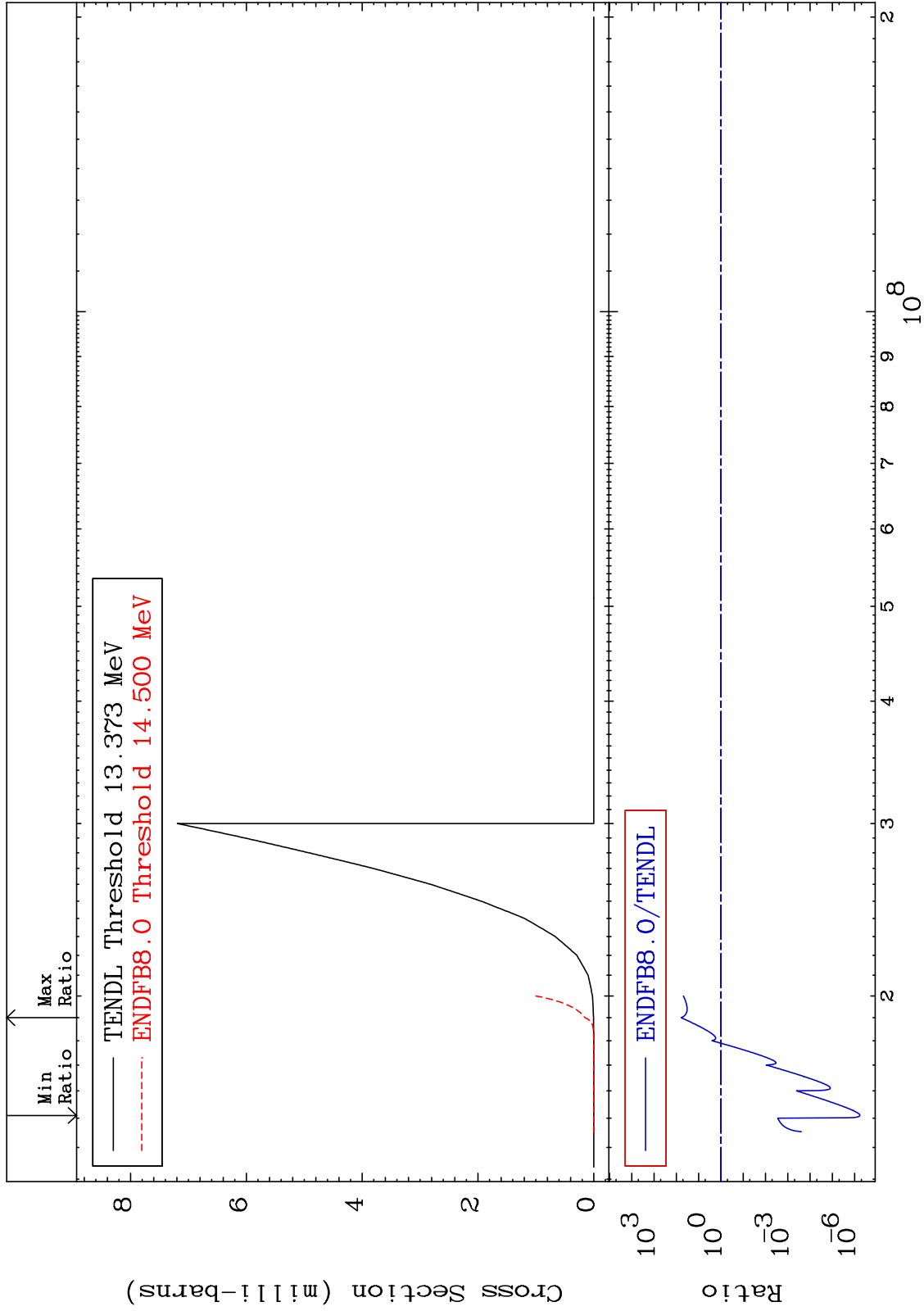
MAT 5646

(n, n') d

56-Ba-137

Cross Section

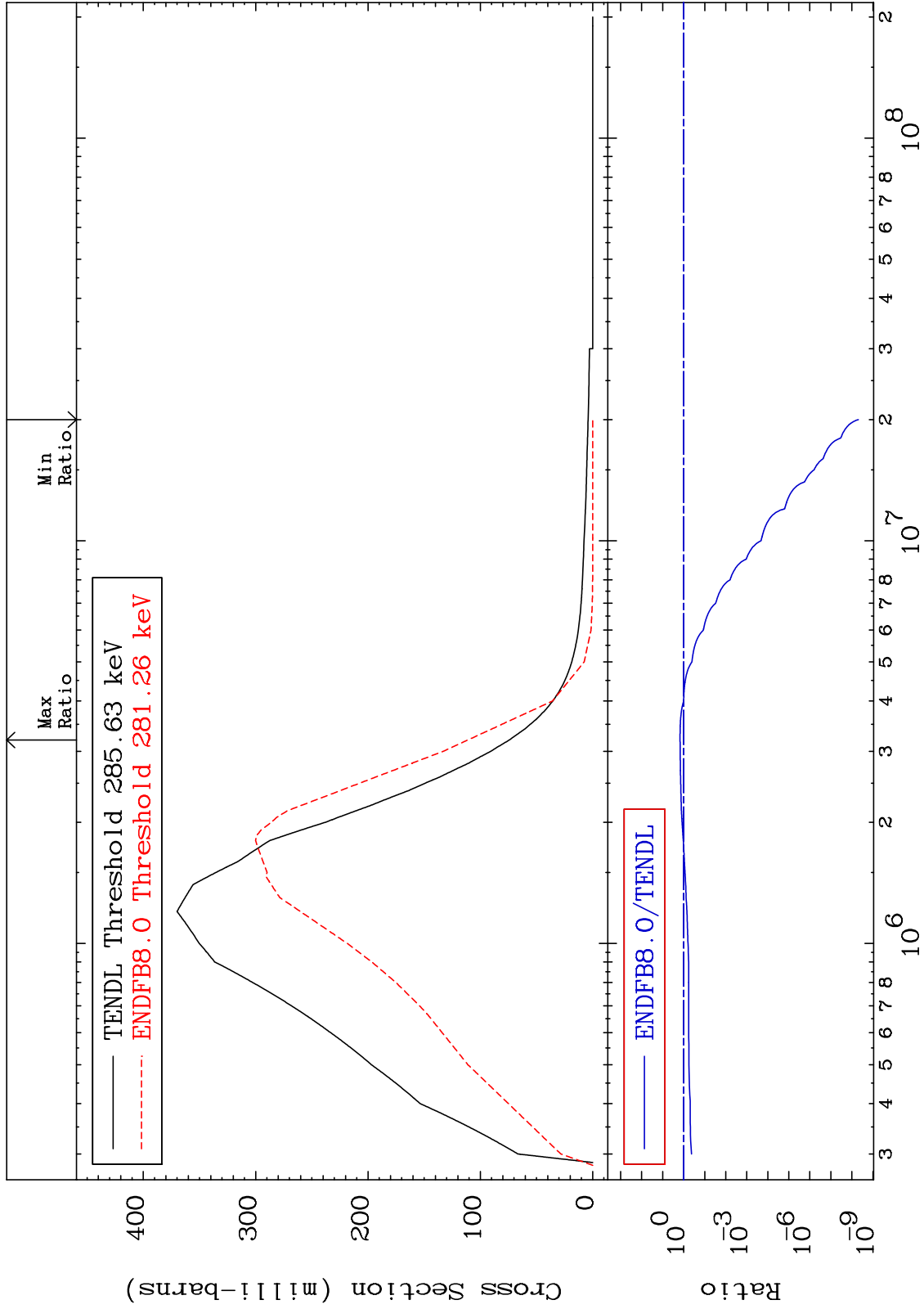
-100.0 To 5894. %



MAT 5646

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

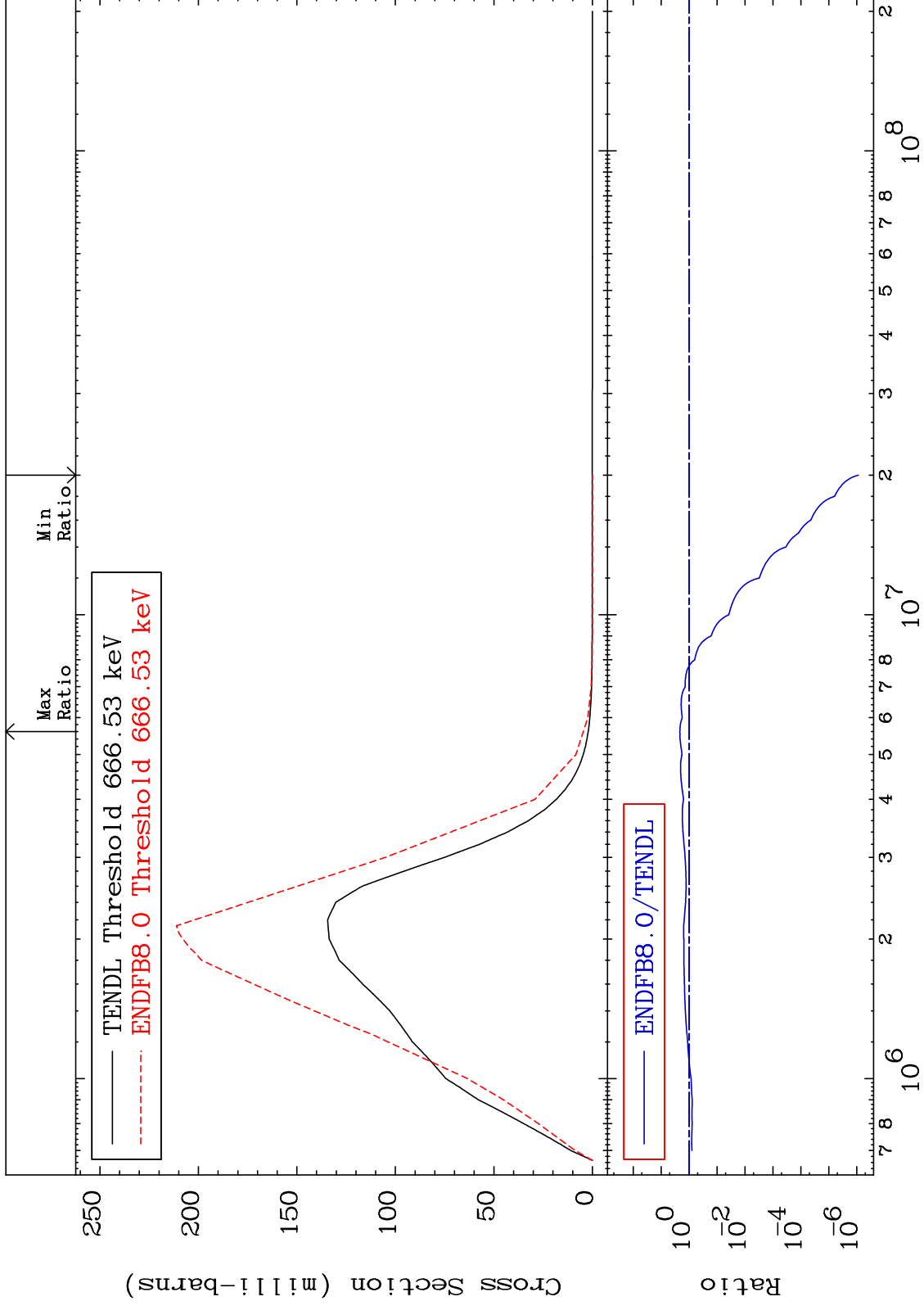
56-Ba-137  
-100.0 To 49.77 %



MAT 5646

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

56-Ba-137  
-100.0 To 115.9 %



10

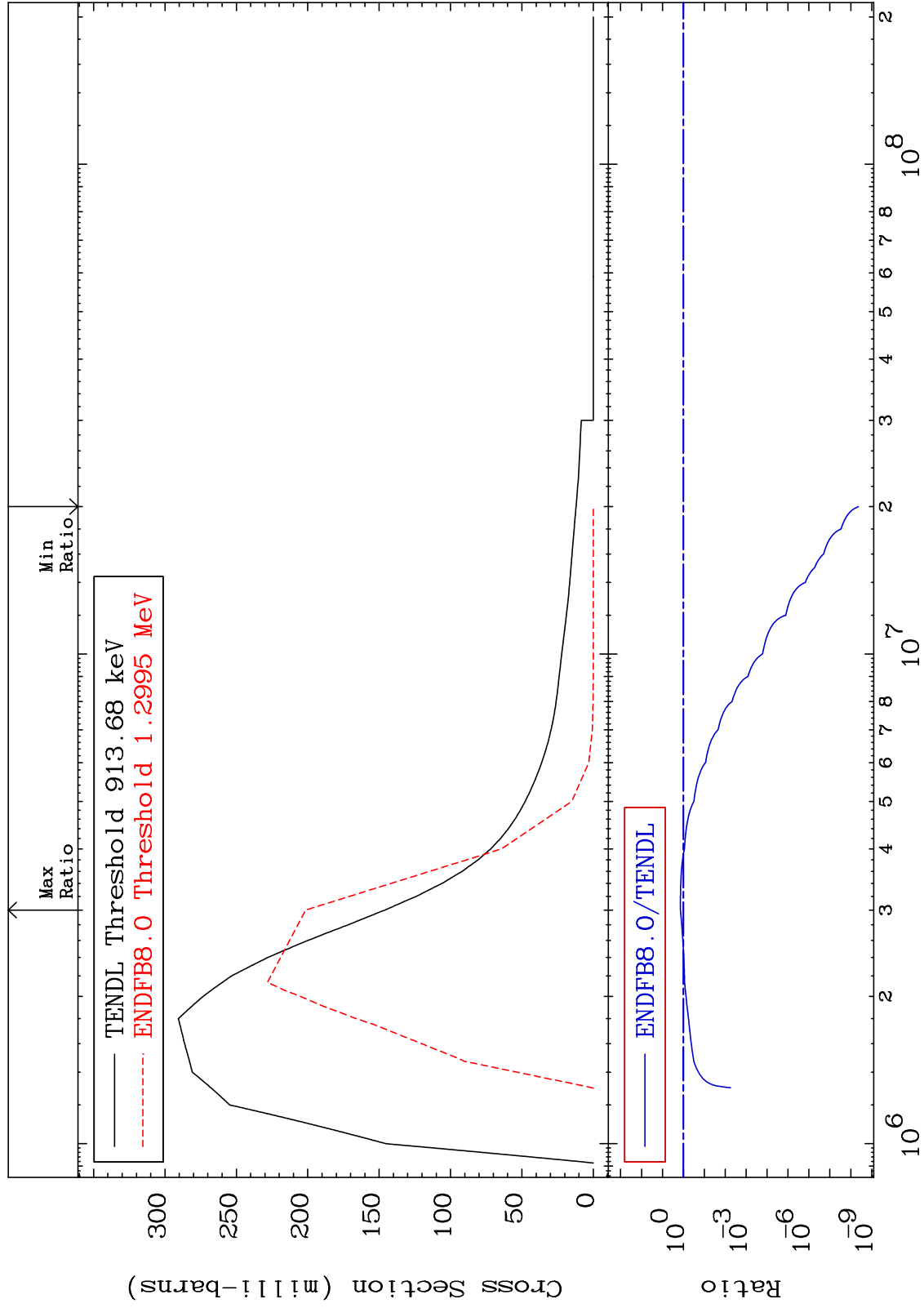
Incident Energy (eV)

56-Ba-137

MAT 5646

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

56-Ba-137  
-100.0 To 38.12 %



11

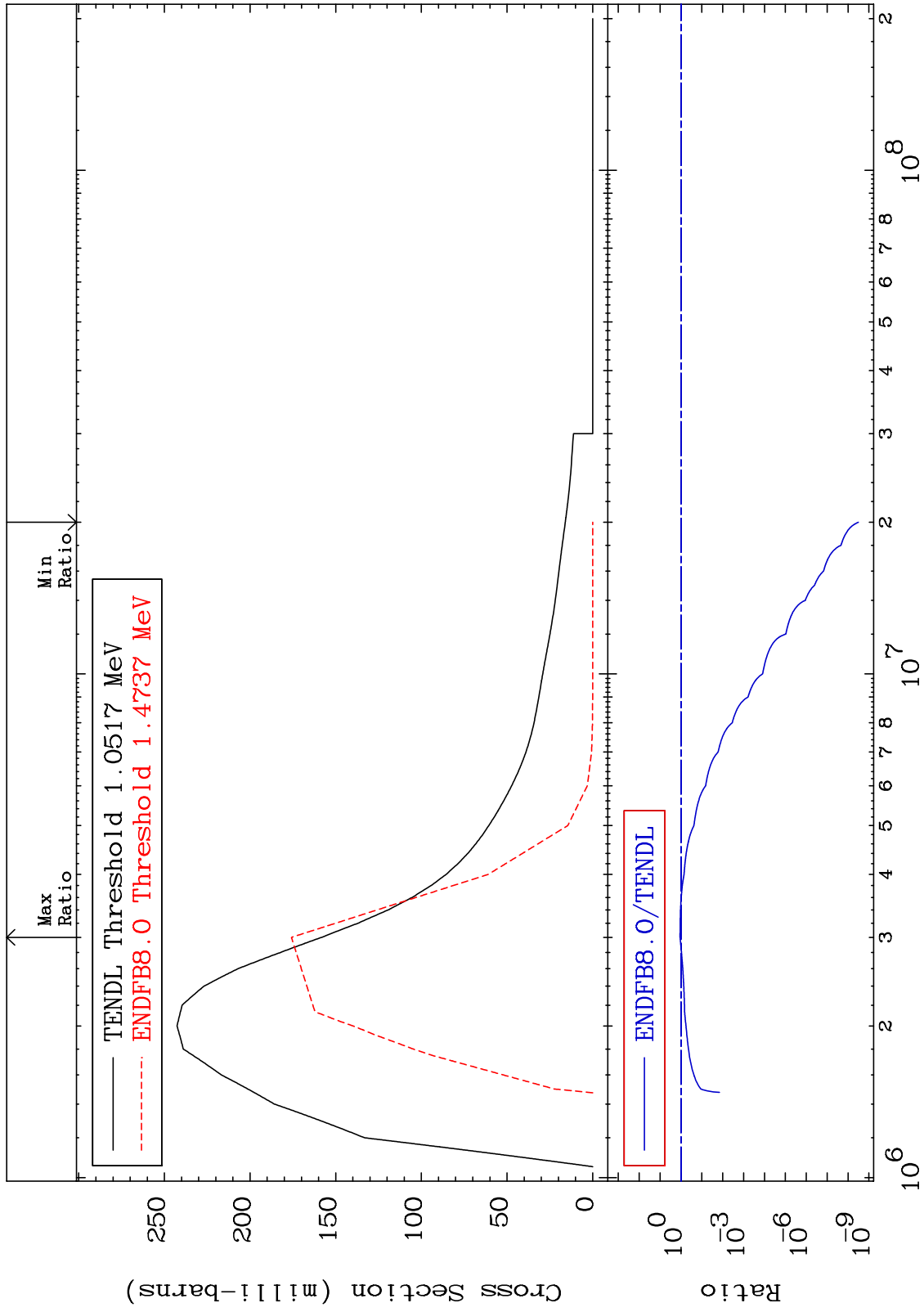
Incident Energy (eV)

56-Ba-137

MAT 5646

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

56-Ba-137  
-100.0 To 11.15 %



12

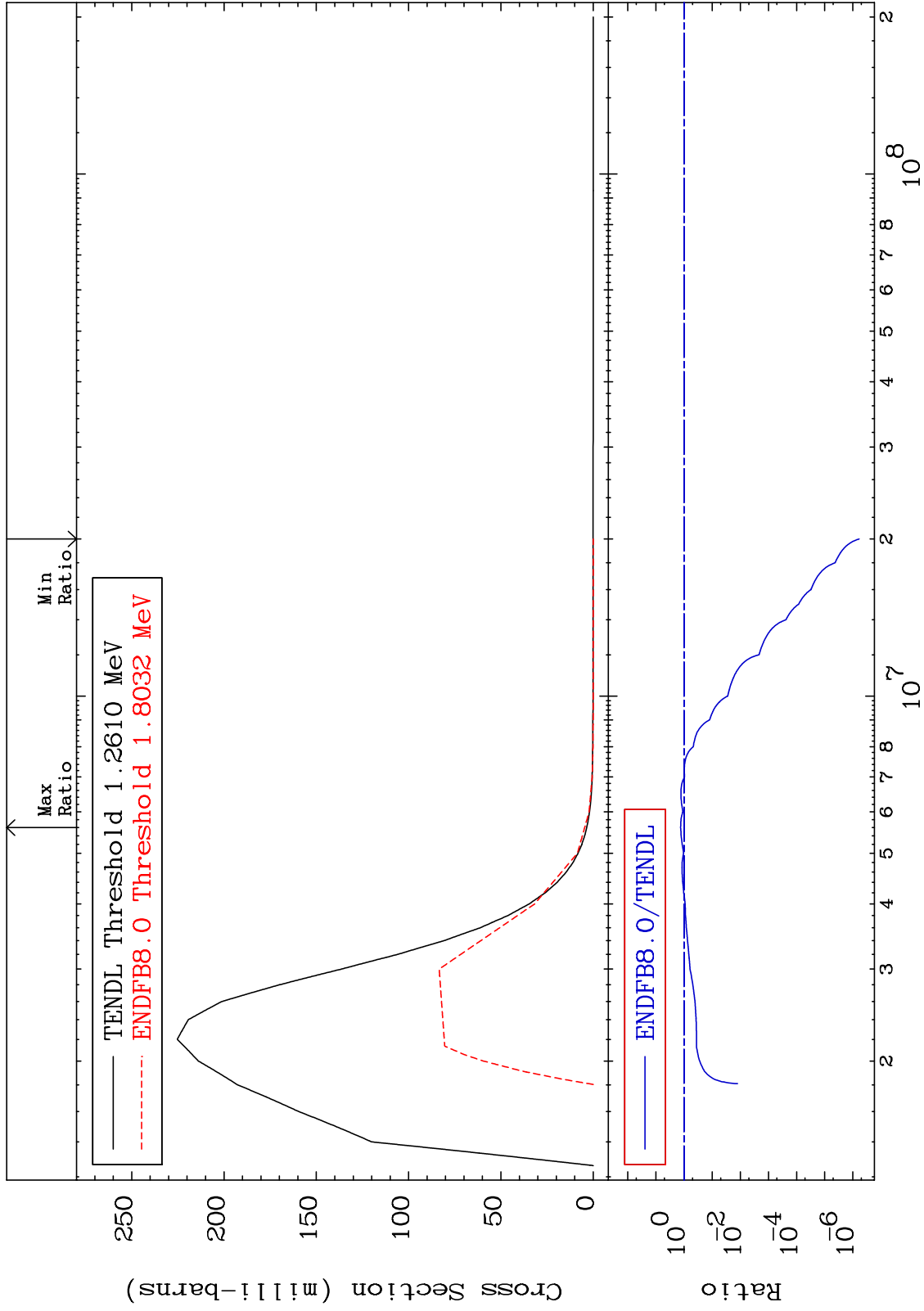
Incident Energy (eV)

56-Ba-137

MAT 5646

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

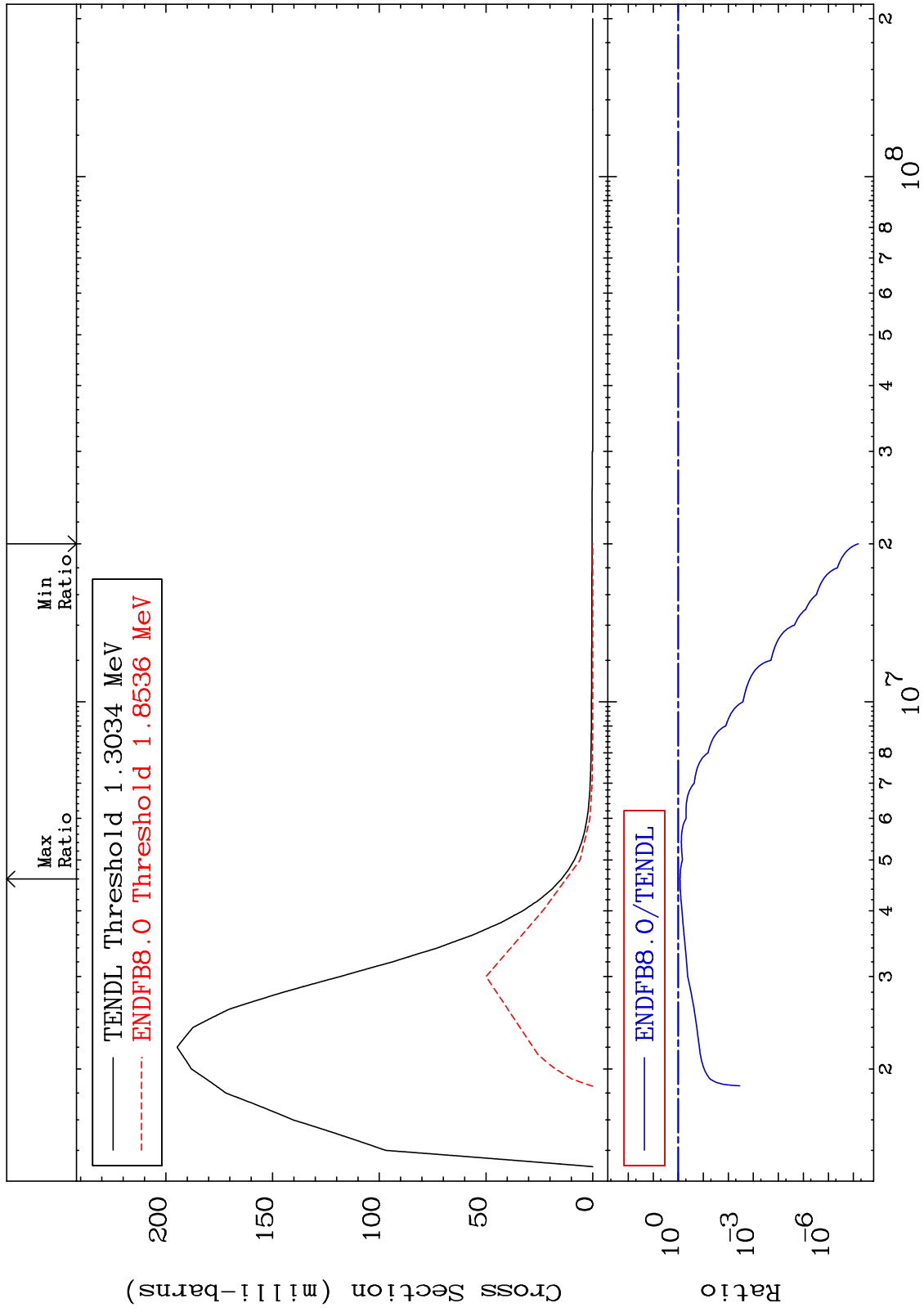
56-Ba-137  
-100.0 To 32.03 %

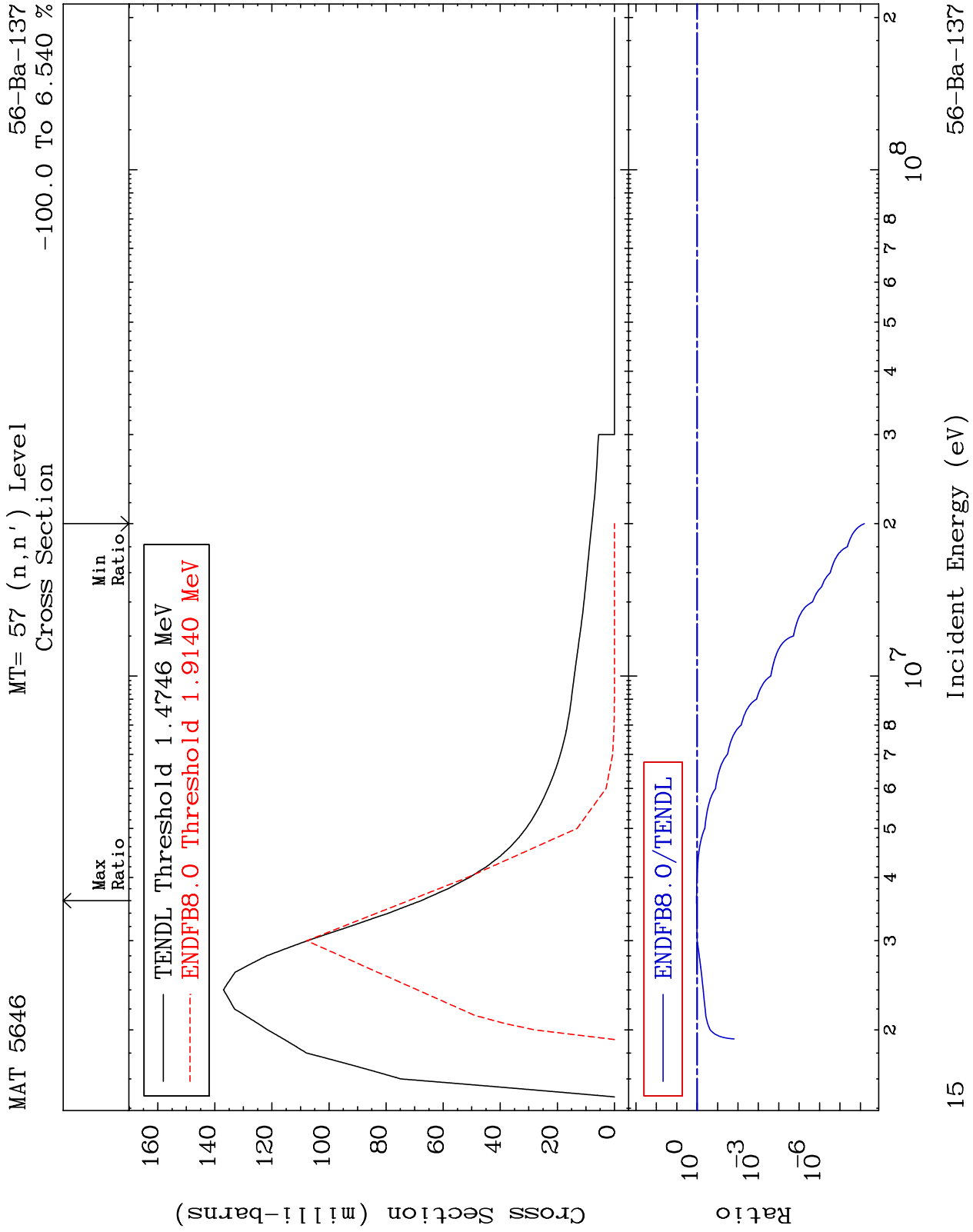


MAT 5646

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

56-Ba-137  
-100.0 To -14.72%



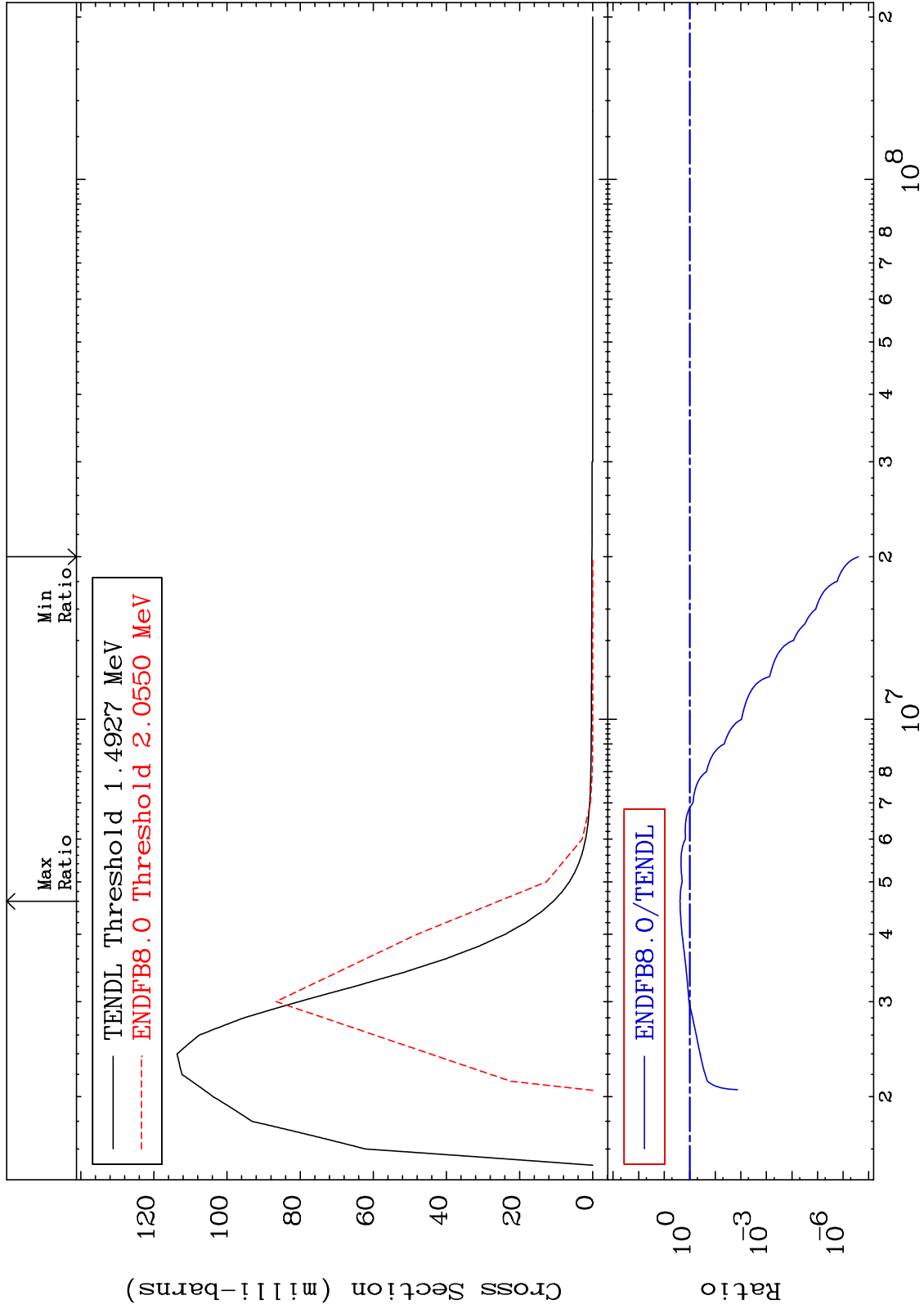




MAT 5646

MT= 58 (n,n') Level  
Cross Section

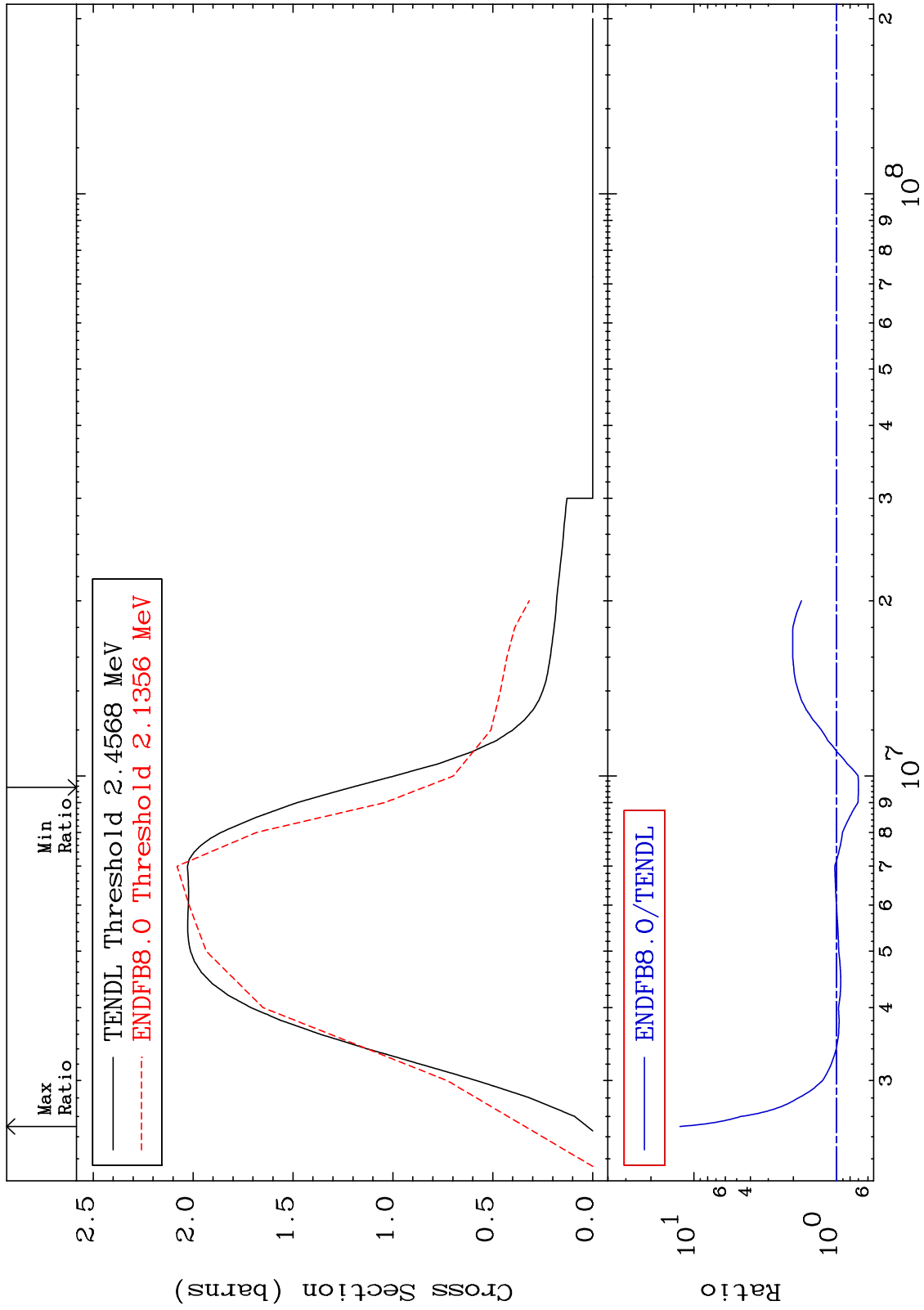
56-Ba-137  
-100.0 To 140.0 %



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(n, n') Continuum  
Cross Section

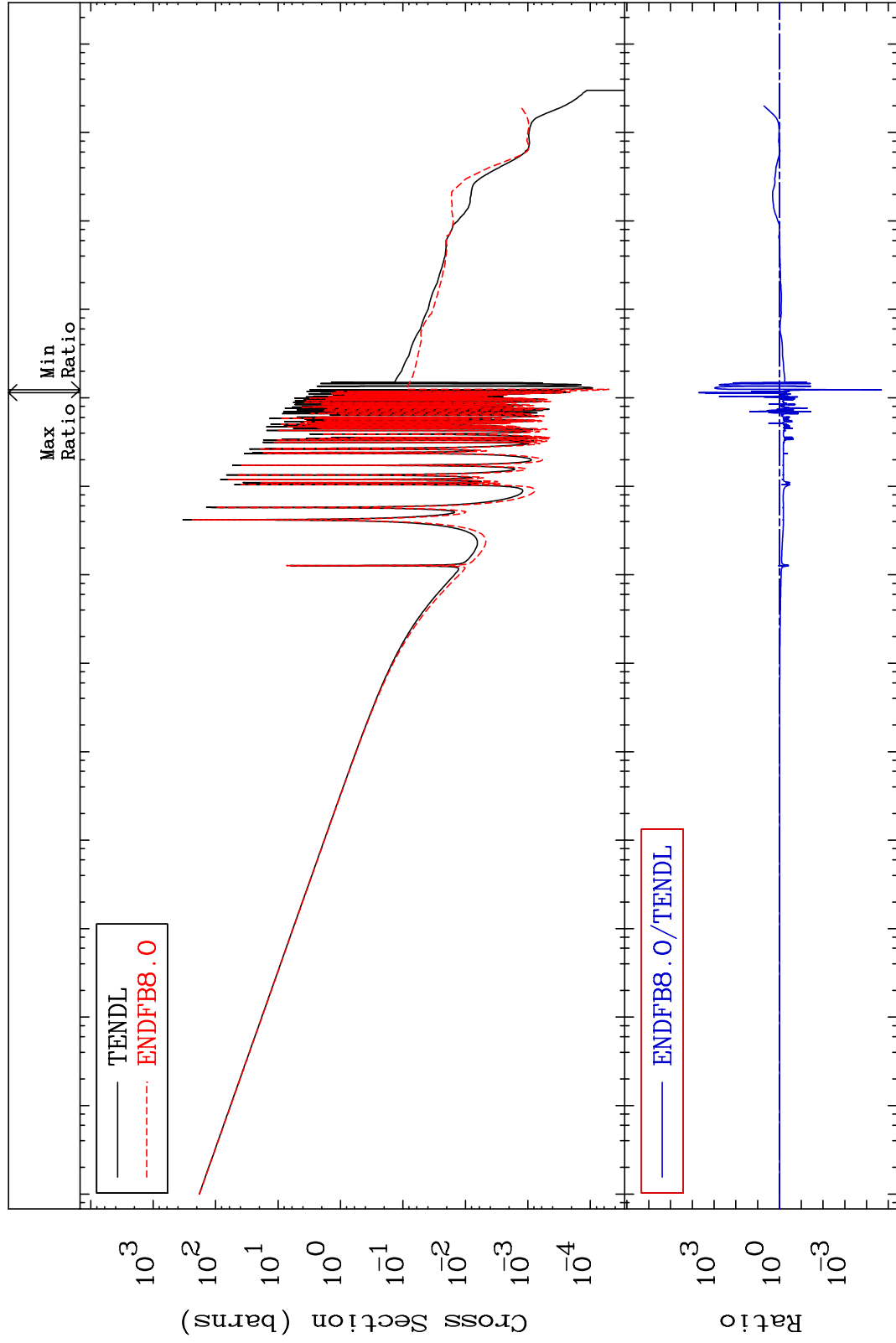
56-Ba-137  
-30.07 To 1150. %



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(n,  $\gamma$ )  
Cross Section

56-Ba-137  
-100.0 To 9999. %



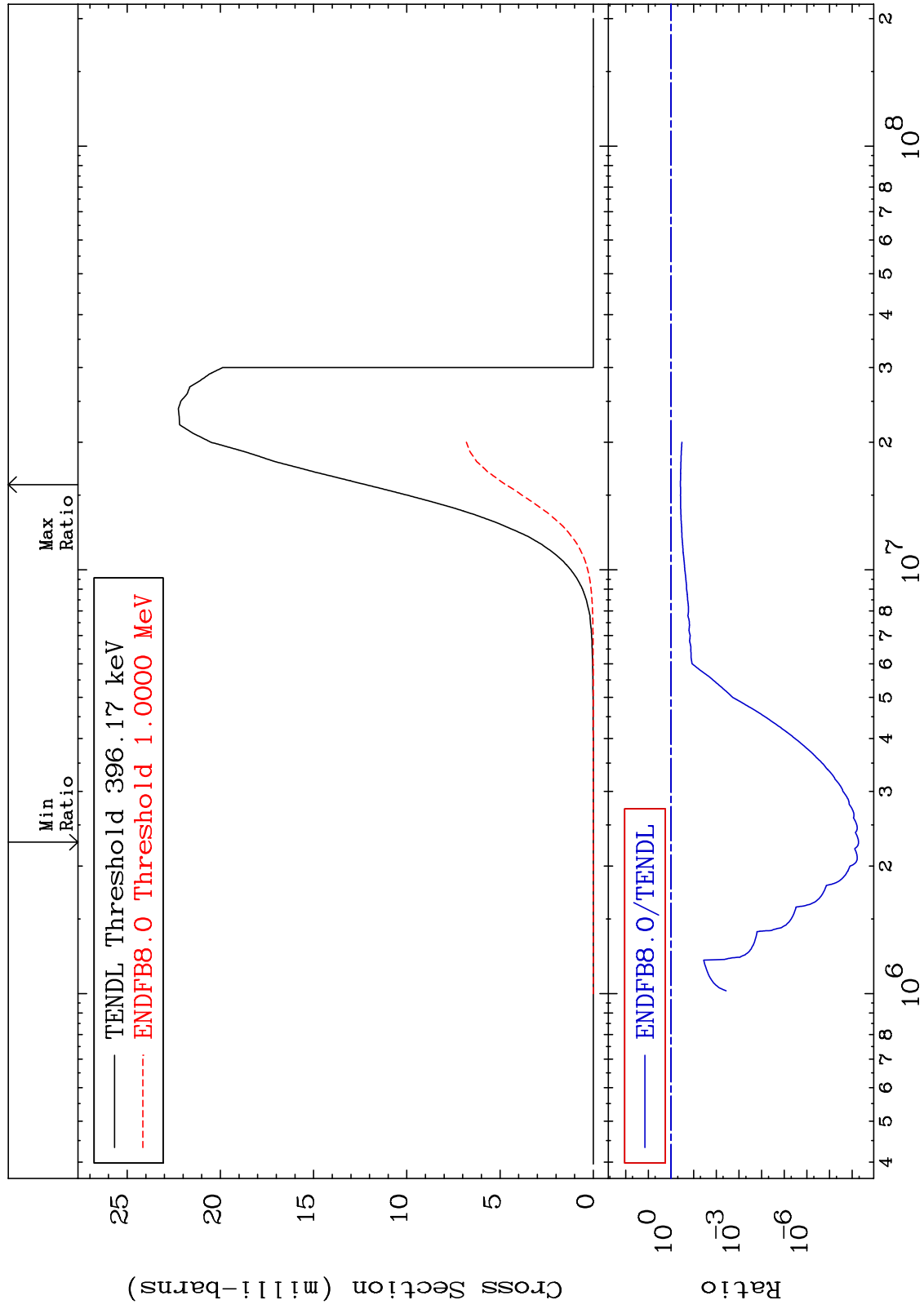
18

Incident Energy (eV)

56-Ba-137

MAT 5646

(n,p) Cross Section  
56-Ba-137  
-100.0 To -61.55%



19

56-Ba-137

56-Ba-137

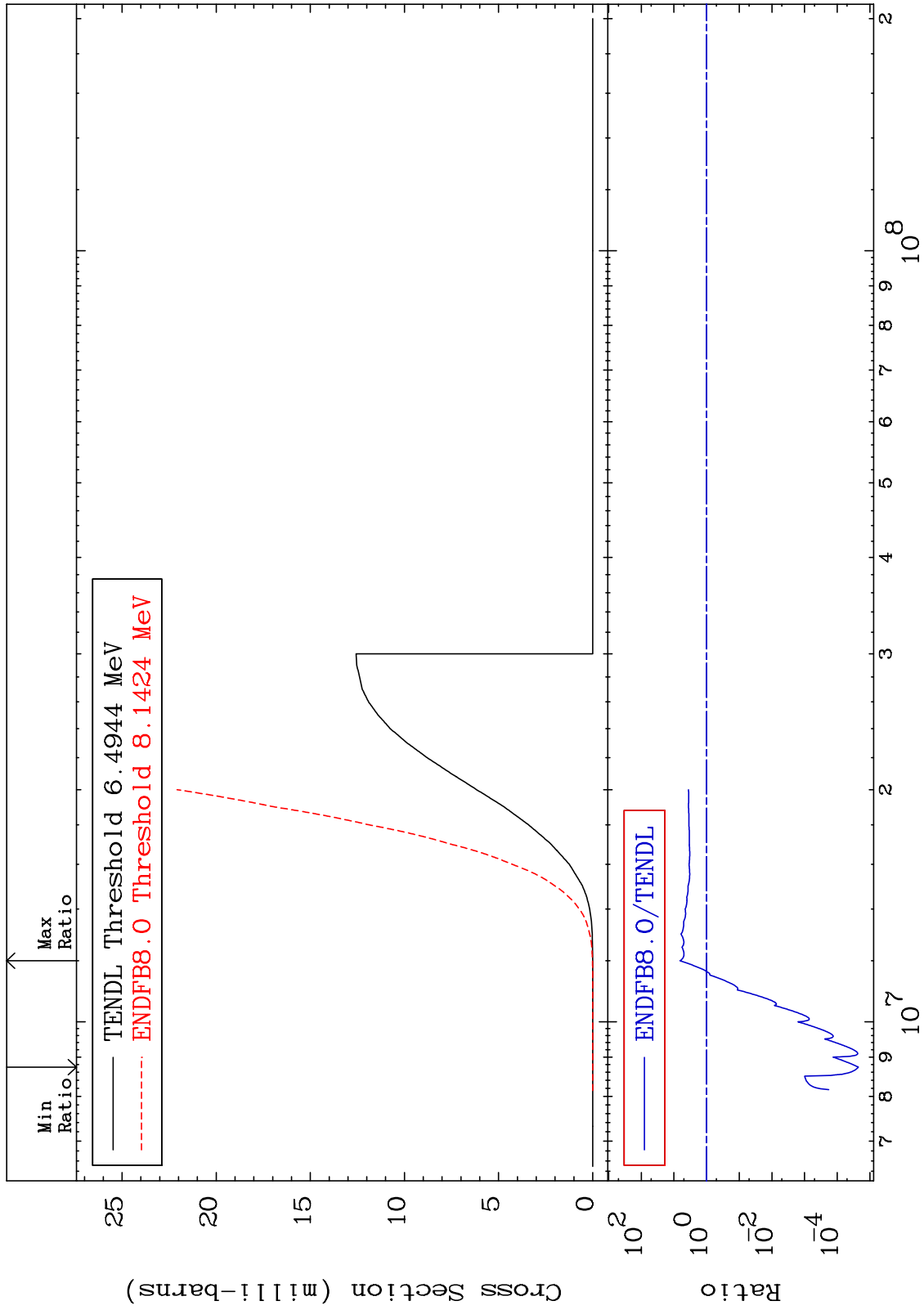
MAT 5646

(n, d)

56-Ba-137

Cross Section

-100.0 To 551.9 %



20

Incident Energy (eV)

56-Ba-137

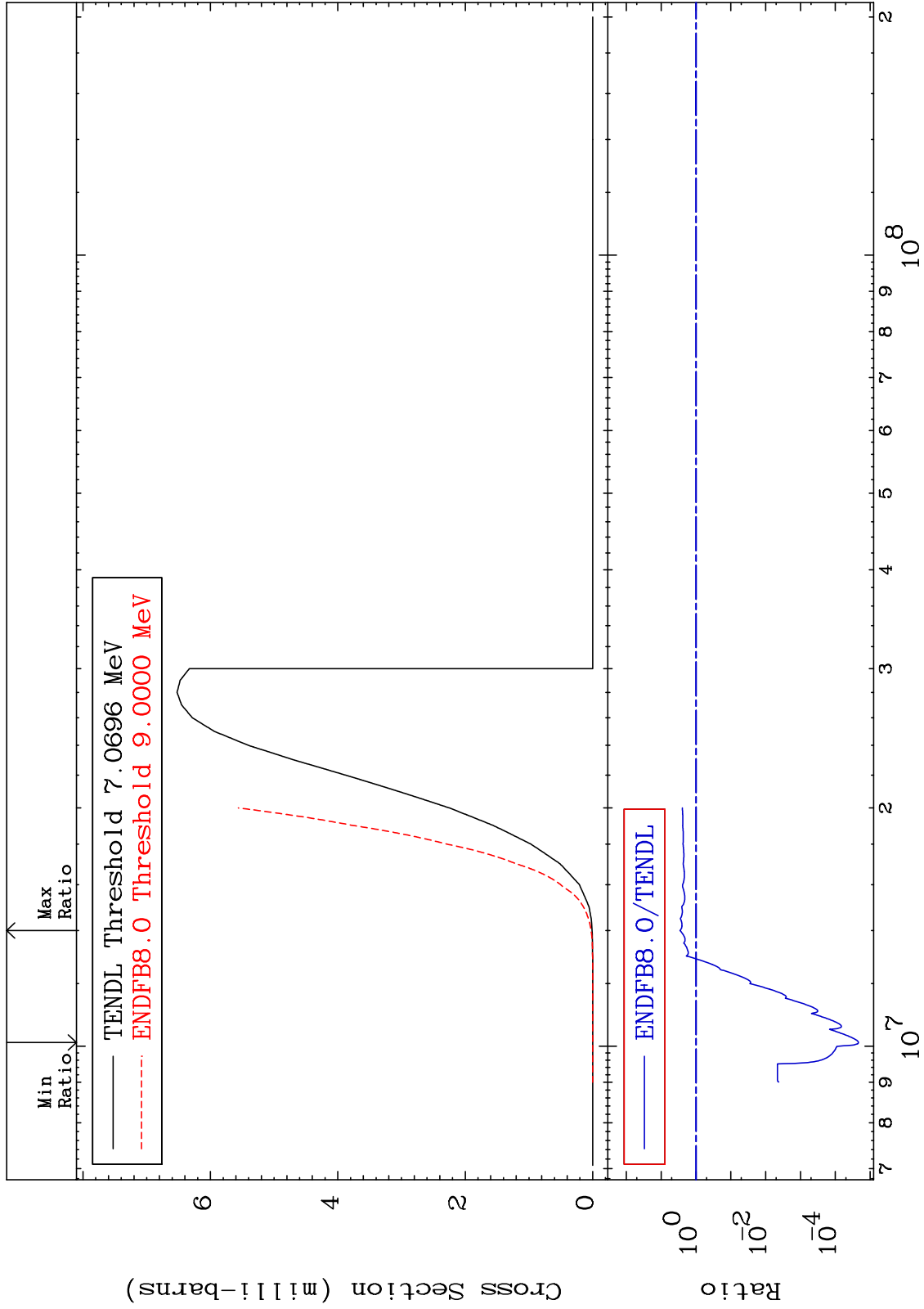
MAT 5646

(n, t)

56-Ba-137

Cross Section

-100.0 To 187.2 %



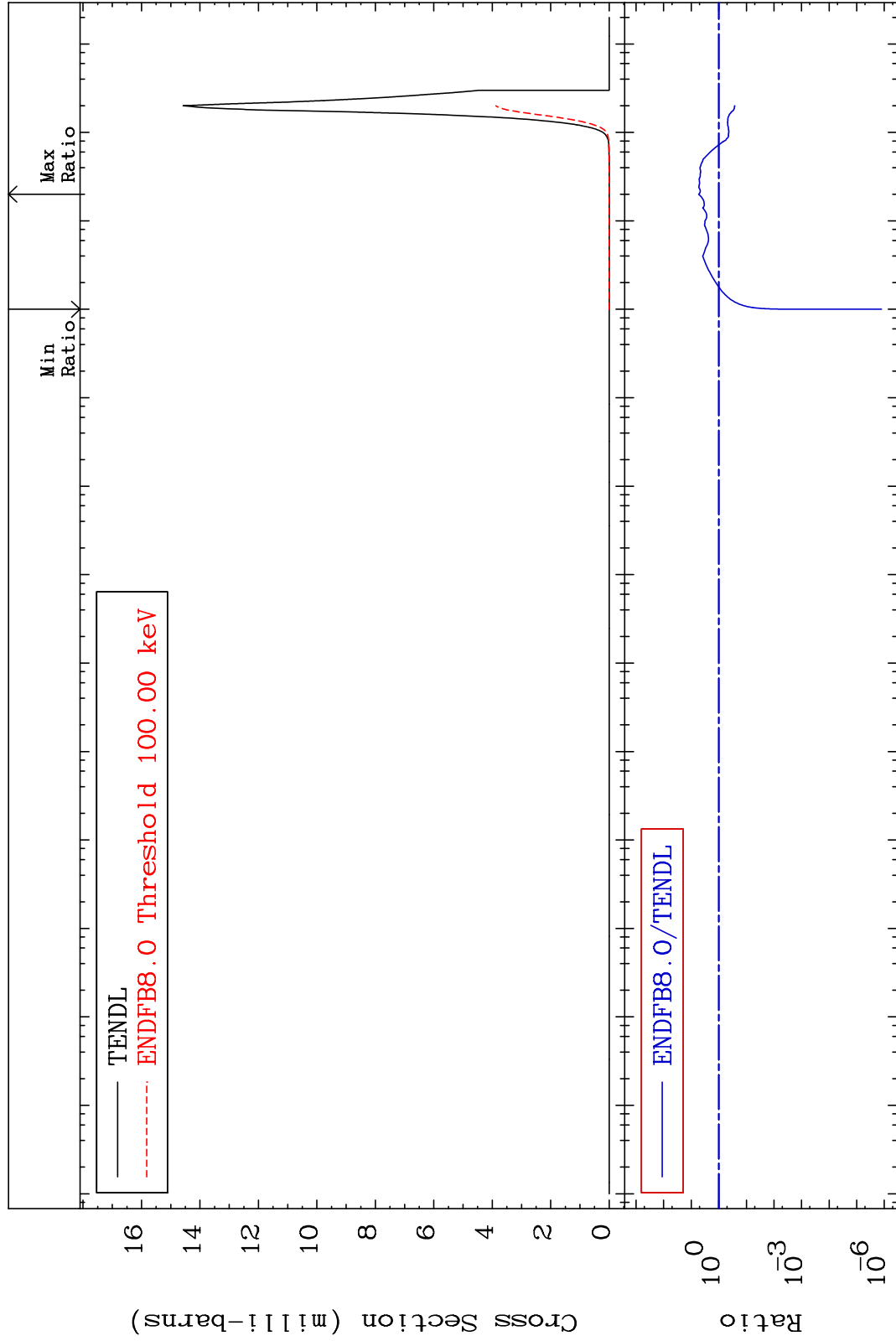
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(n,  $\alpha$ )

56-Ba-137

Cross Section

-100.0 To 435.5 %



22

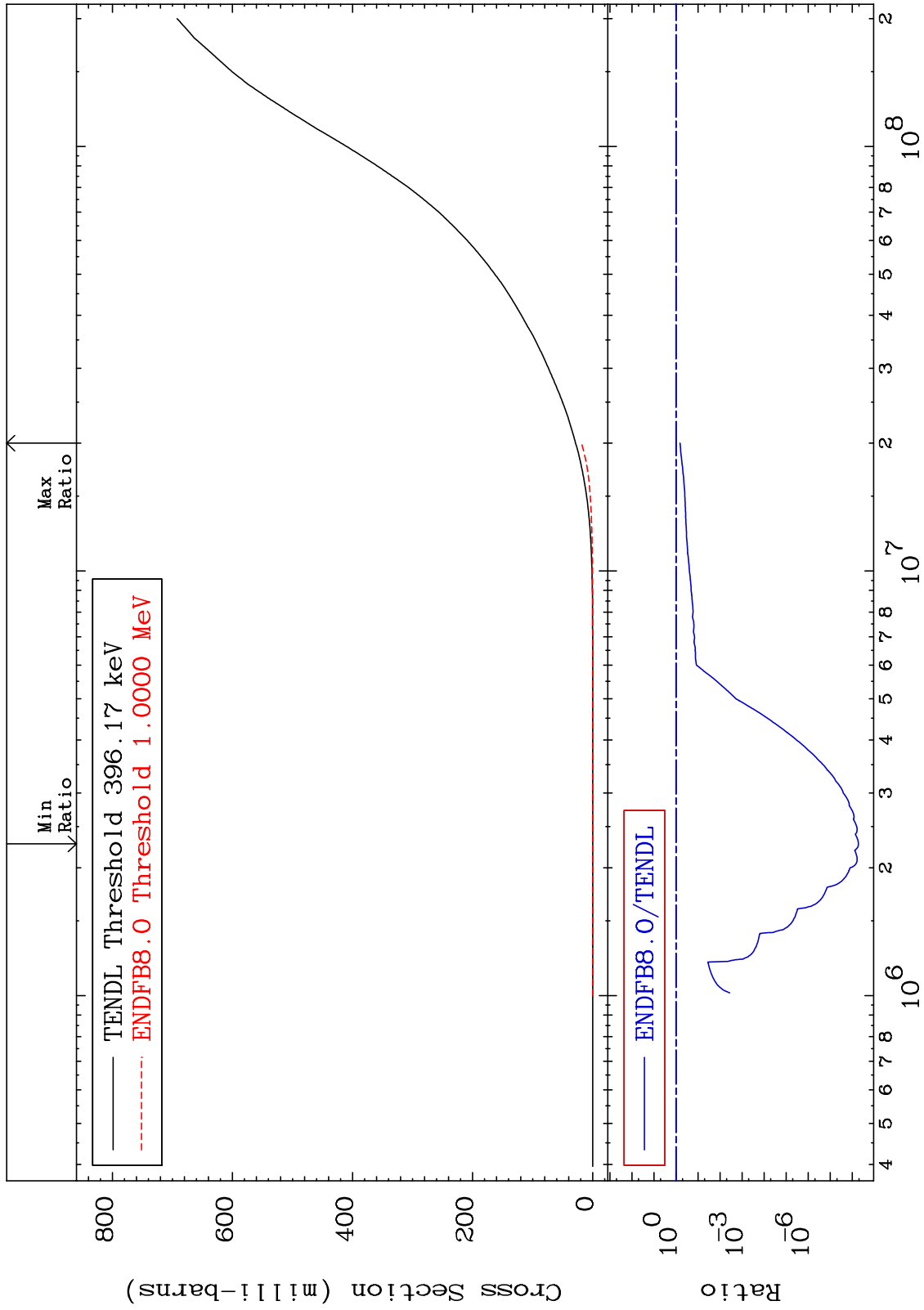
Incident Energy (eV)

56-Ba-137

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Hydrogen Production  
Cross Section

56-Ba-137  
-100.0 To -34.22%



23

Incident Energy (eV)

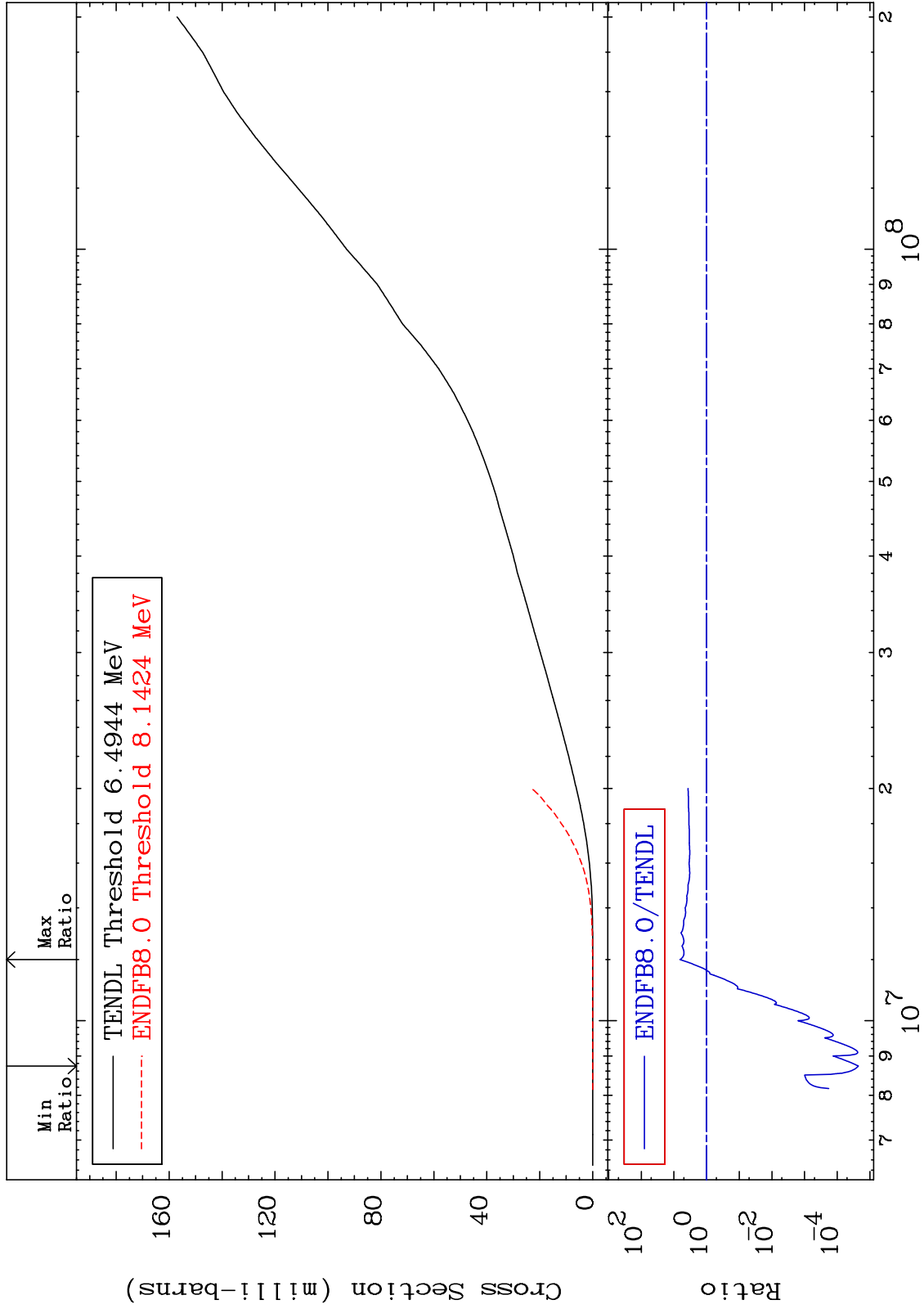
56-Ba-137



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Deuterium Production  
Cross Section

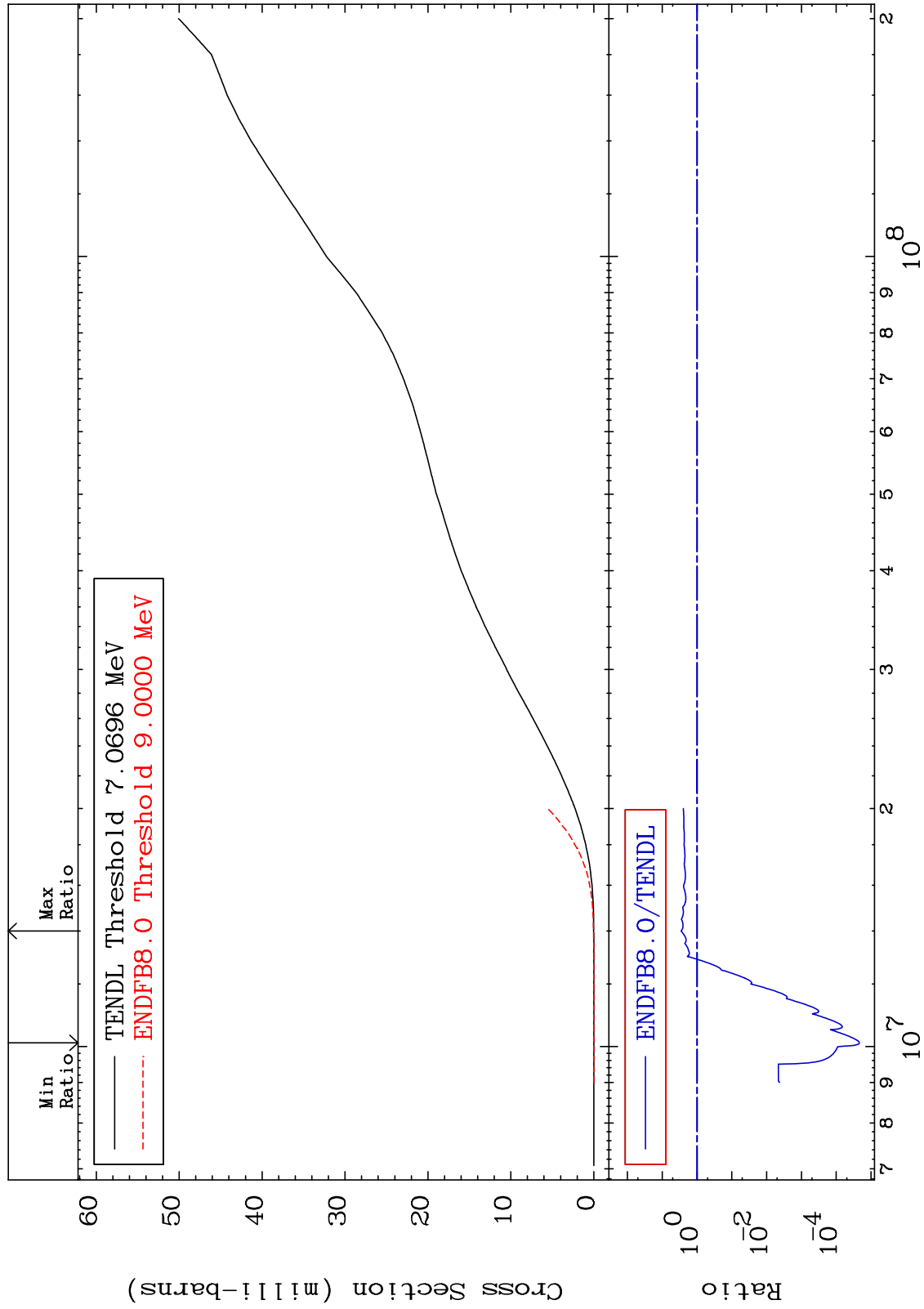
56-Ba-137  
-100.0 To 551.9 %



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Tritium Production  
Cross Section

56-Ba-137  
-100.0 To 187.2 %



25

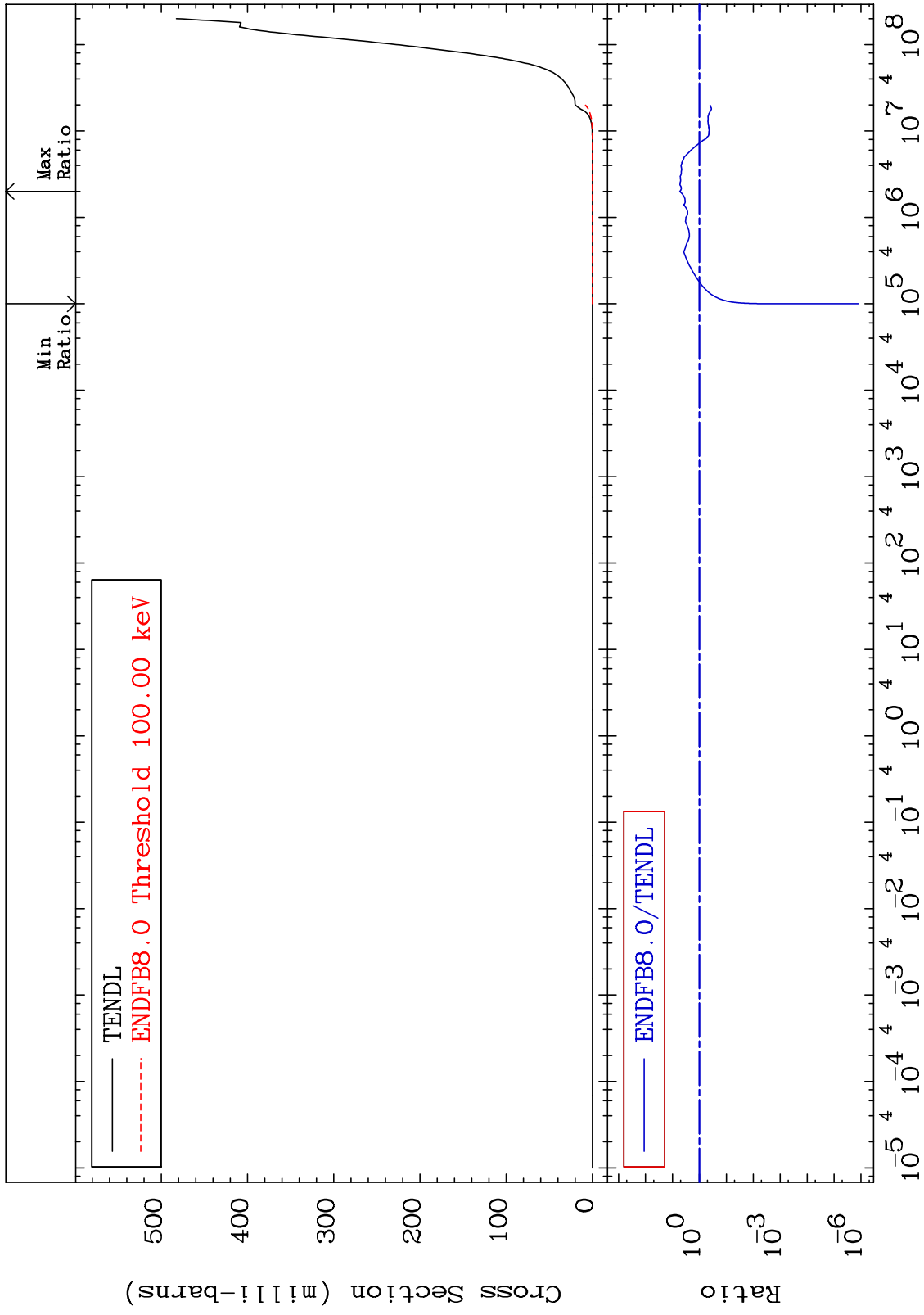
Incident Energy (eV)

56-Ba-137

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He-4 Production  
Cross Section

56-Ba-137  
-100.0 To 435.5 %



26

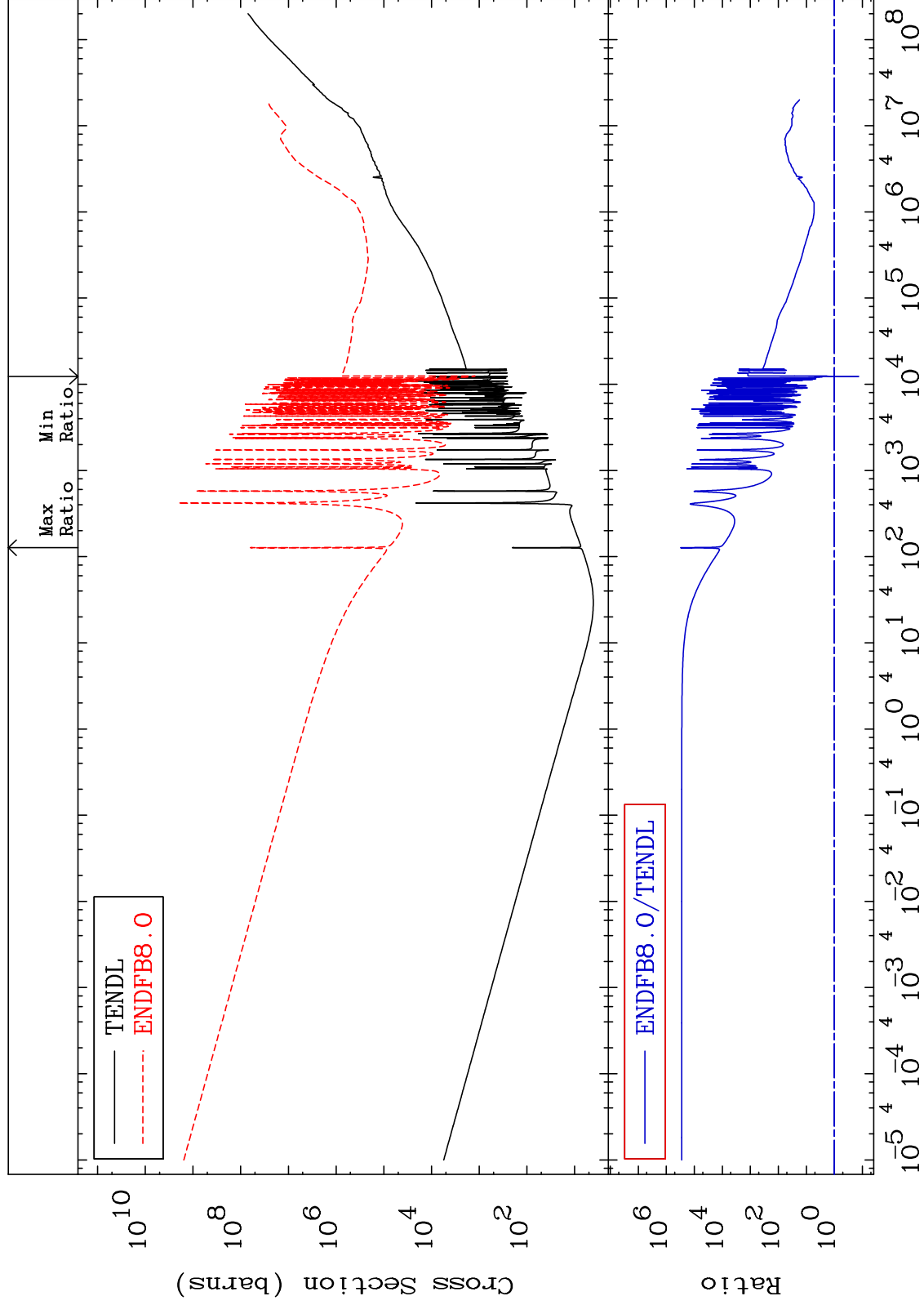
Incident Energy (eV)

56-Ba-137

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Kerma total (eV-barns)  
Cross Section

56-Ba-137  
-86.22 To 9999. %



27

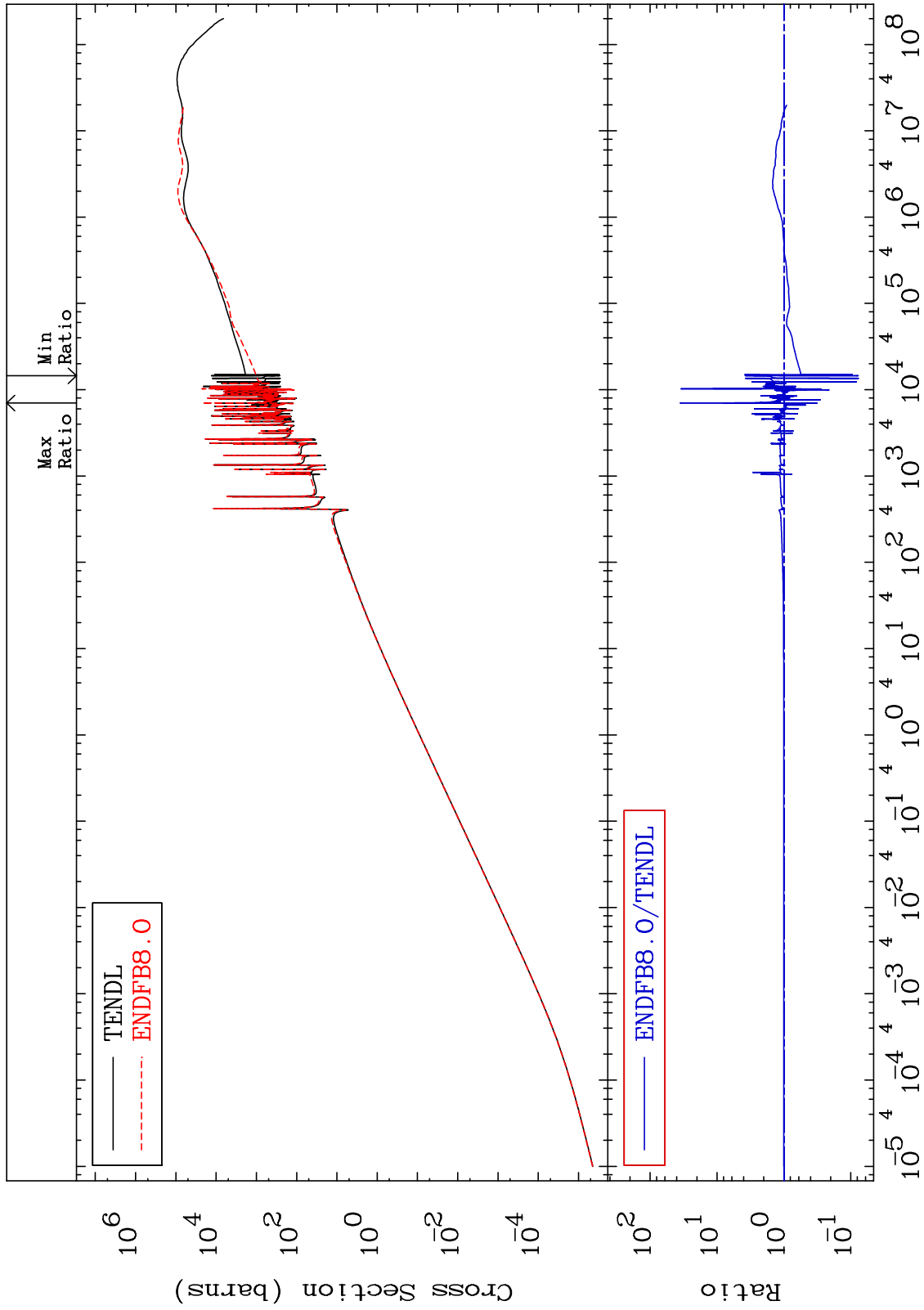
Incident Energy (eV)

56-Ba-137

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Kerma elastic  
Cross Section

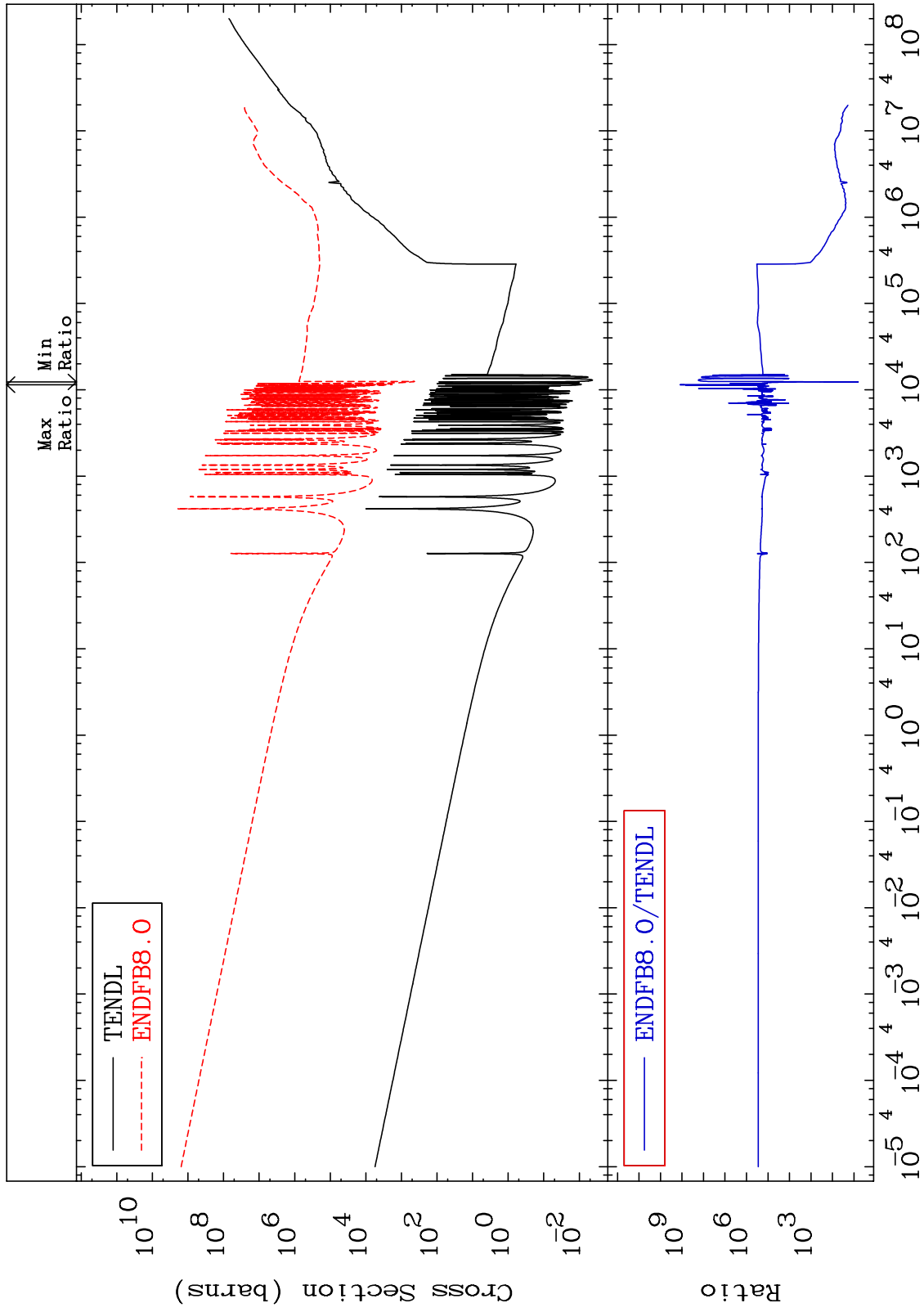
56-Ba-137  
-92.31 To 3474. %



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Kerma non-elastic (all but mt2)  
Cross Section

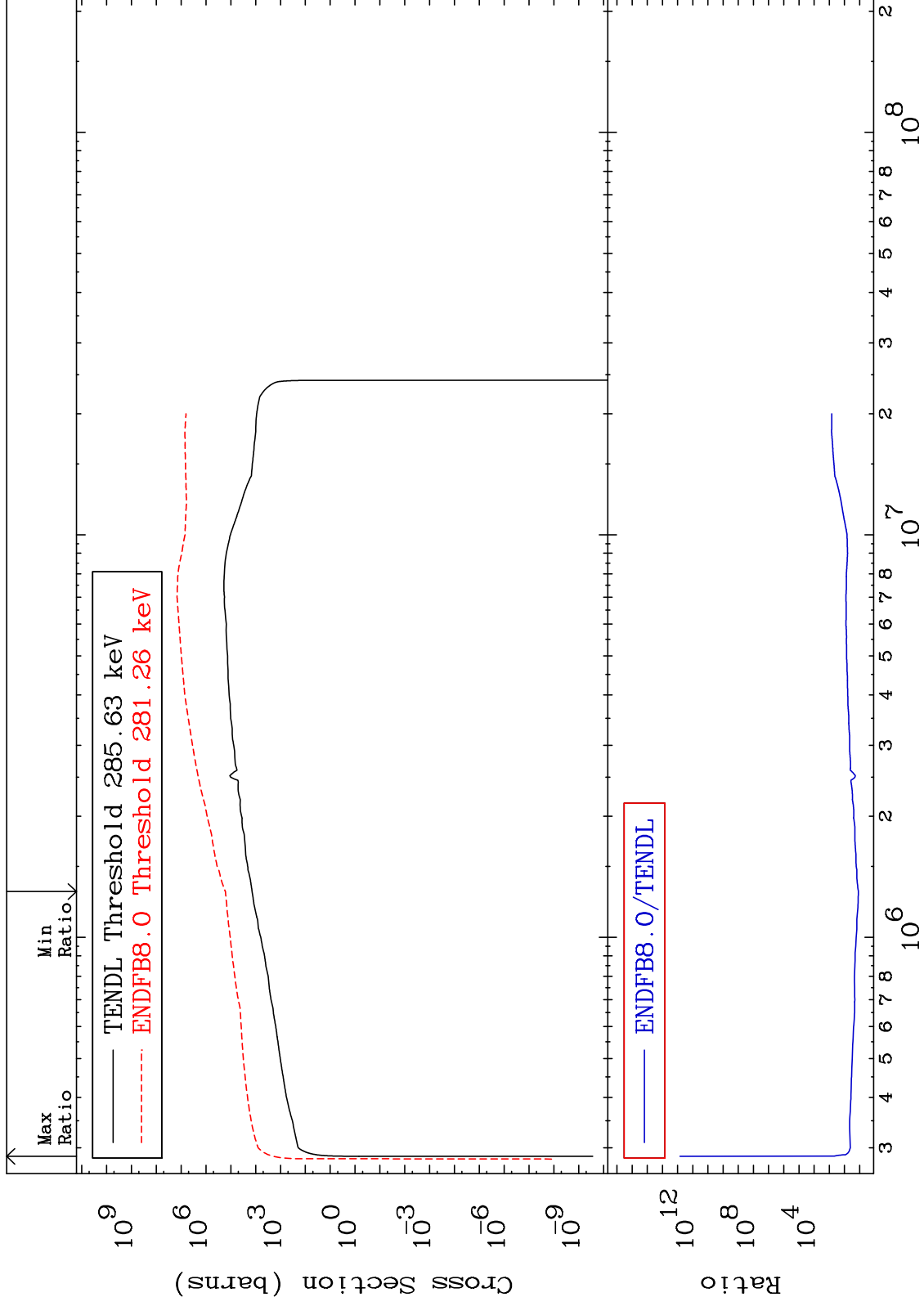
56-Ba-137  
517.4 To 9999. %



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Kerma inelastic (mt51-91)  
Cross Section

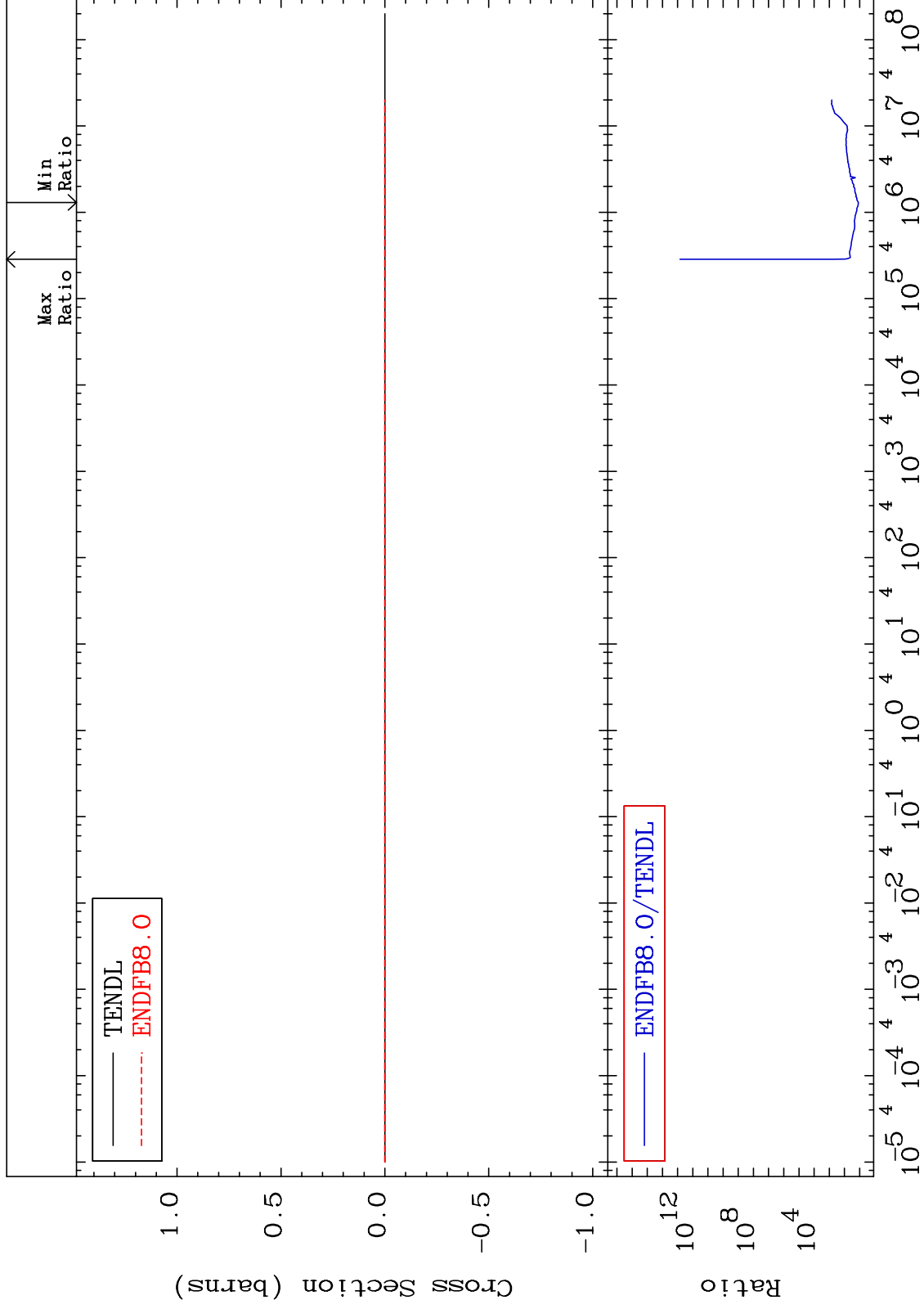
56-Ba-137  
1096. To 9999. %



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

56-Ba-137  
1096. To 9999. %

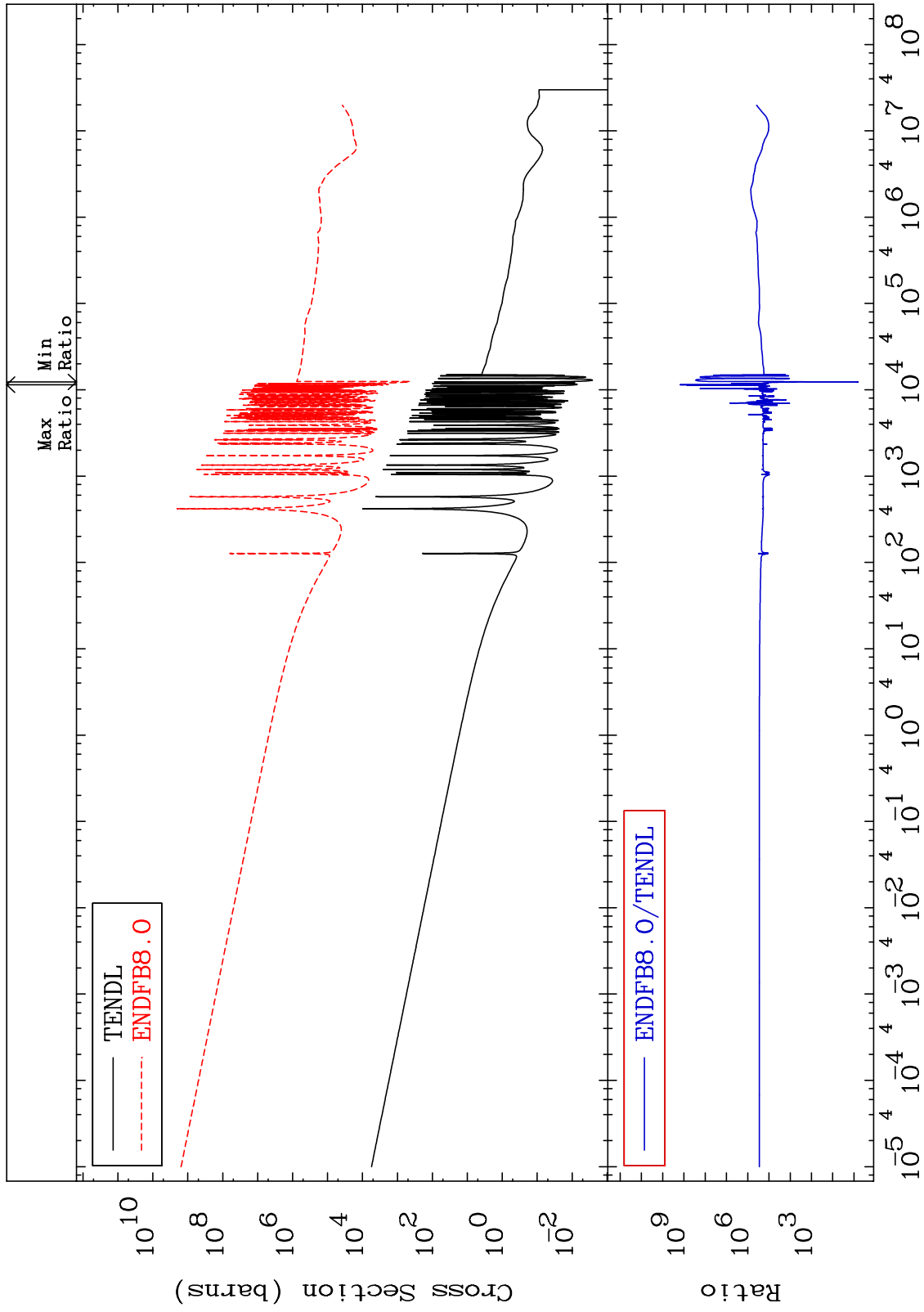




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Kerma capture (mt102)  
Cross Section

56-Ba-137  
517.4 To 9999. %



32

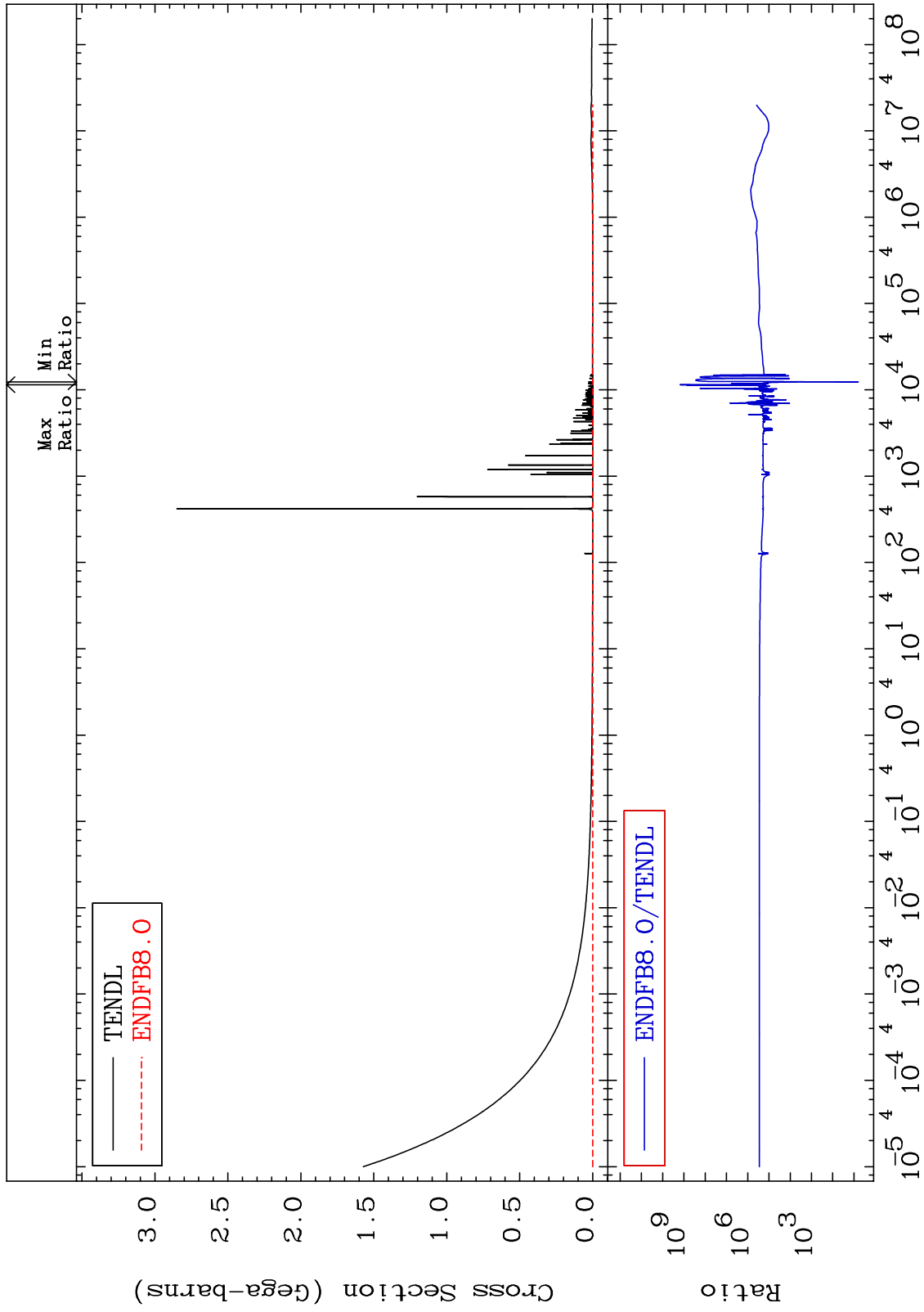
Incident Energy (eV)

56-Ba-137

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Total photon (eV-barns)  
Cross Section

56-Ba-137  
517.4 To 9999. %



33

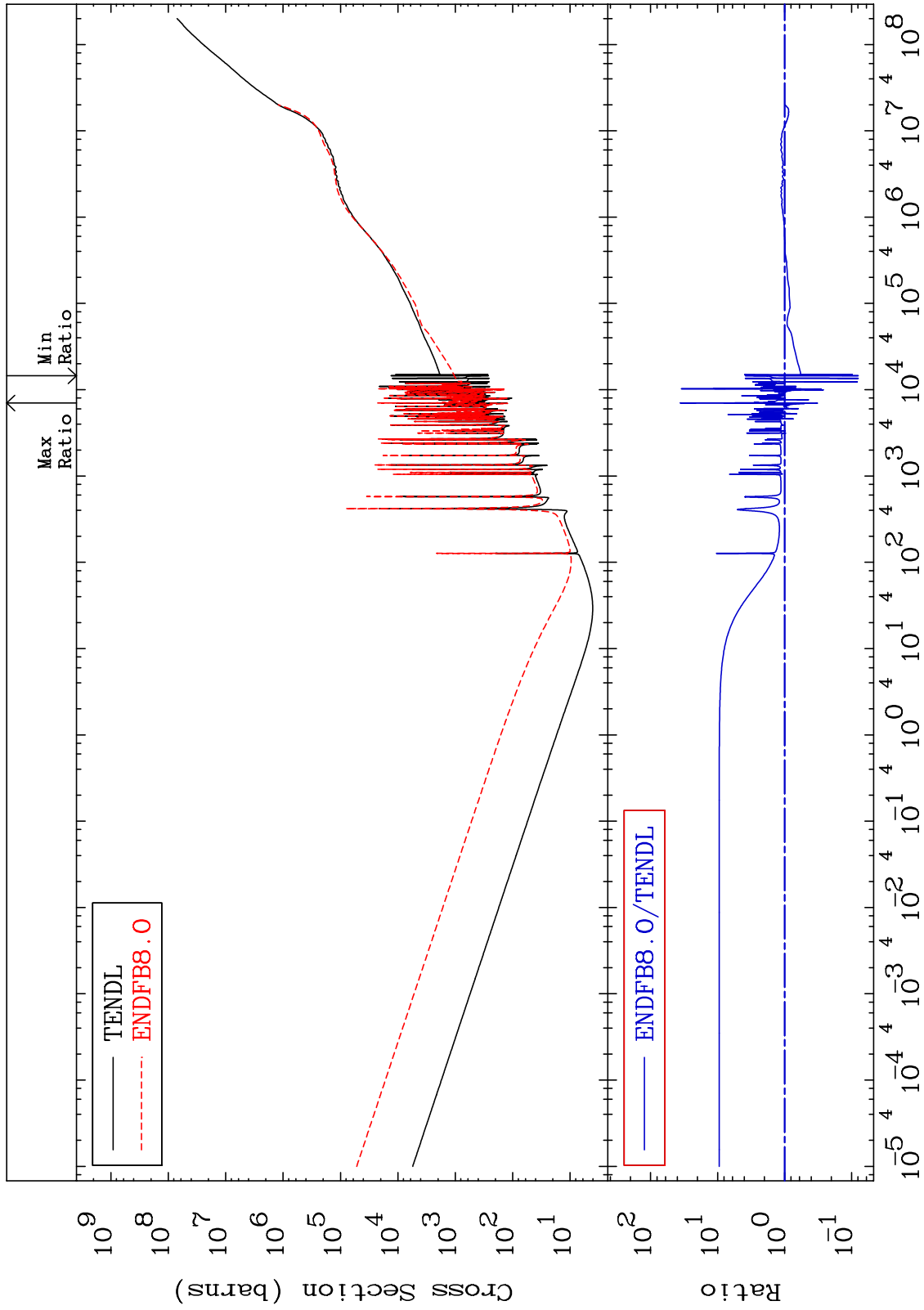
Incident Energy (eV)

56-Ba-137

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Total kinematic kerma (high limit)  
Cross Section

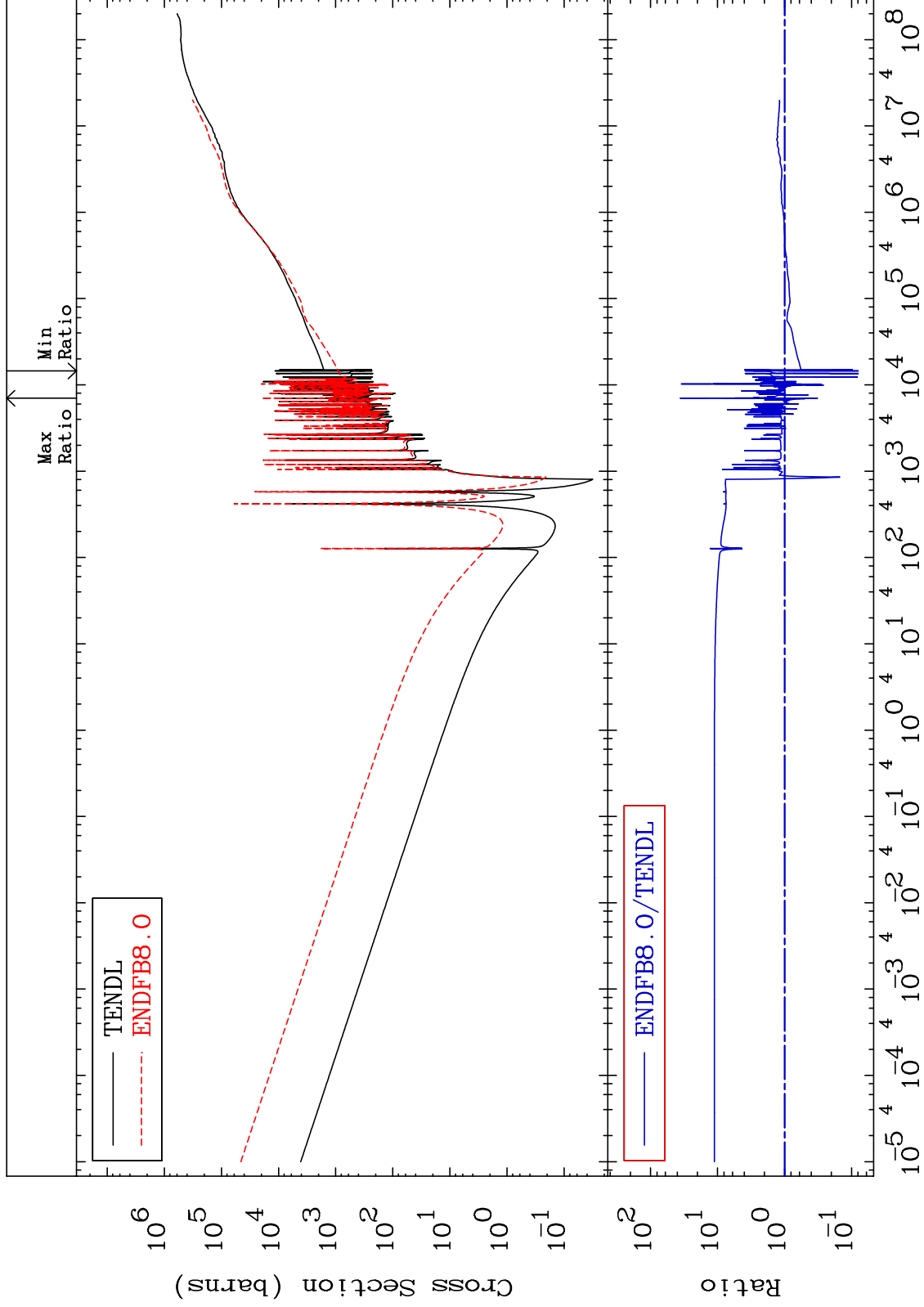
56-Ba-137  
-92.11 To 3537. %



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Dpa total (eV-barns)  
Cross Section

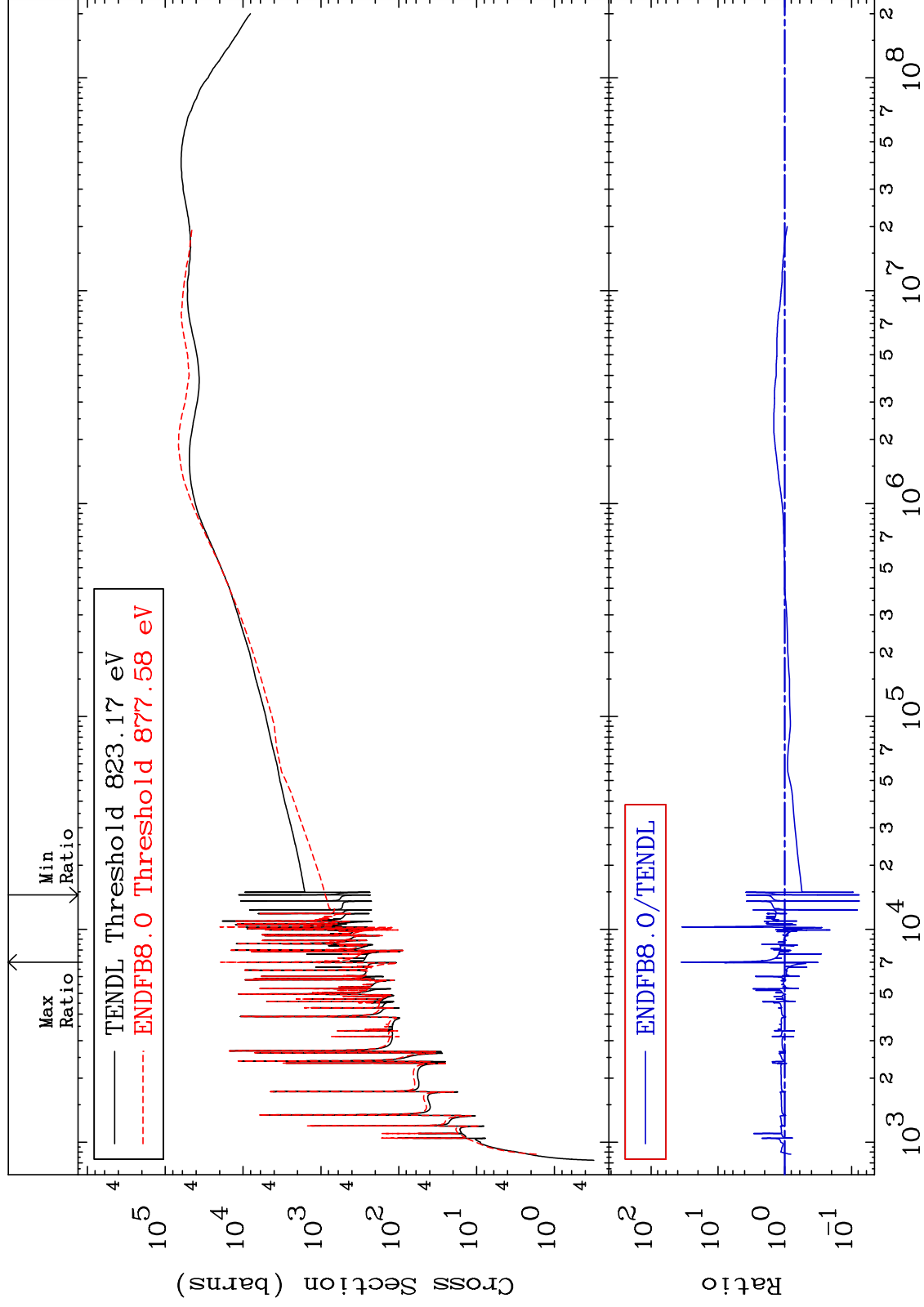
56-Ba-137  
-92.11 To 3535. %



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Dpa elastic (mt2)  
Cross Section

56-Ba-137  
-92.32 To 3471. %



36

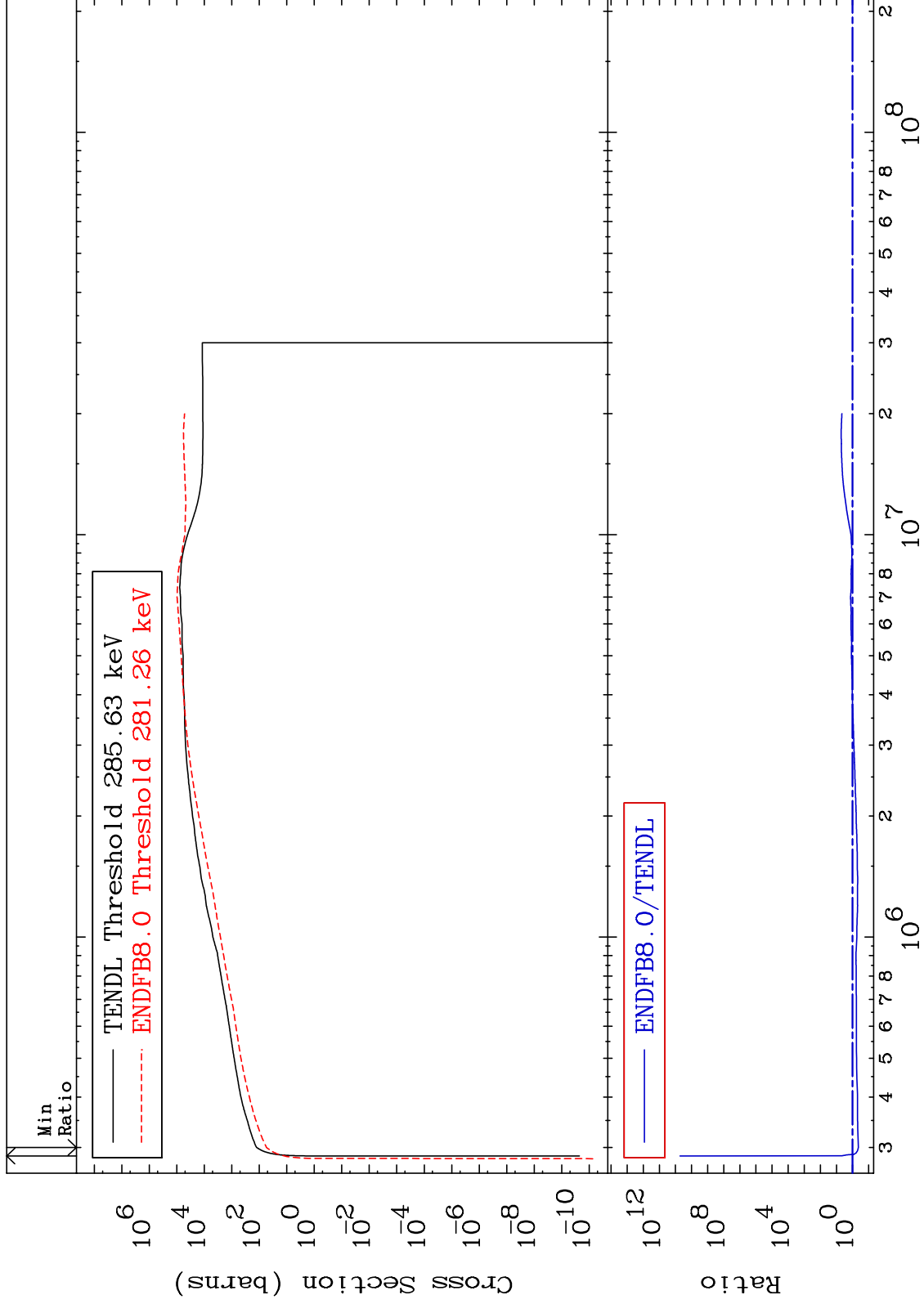
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-137  
-56.79 To 9999. %



MAT 5646

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-137  
-99.97 To 9999. %

