

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

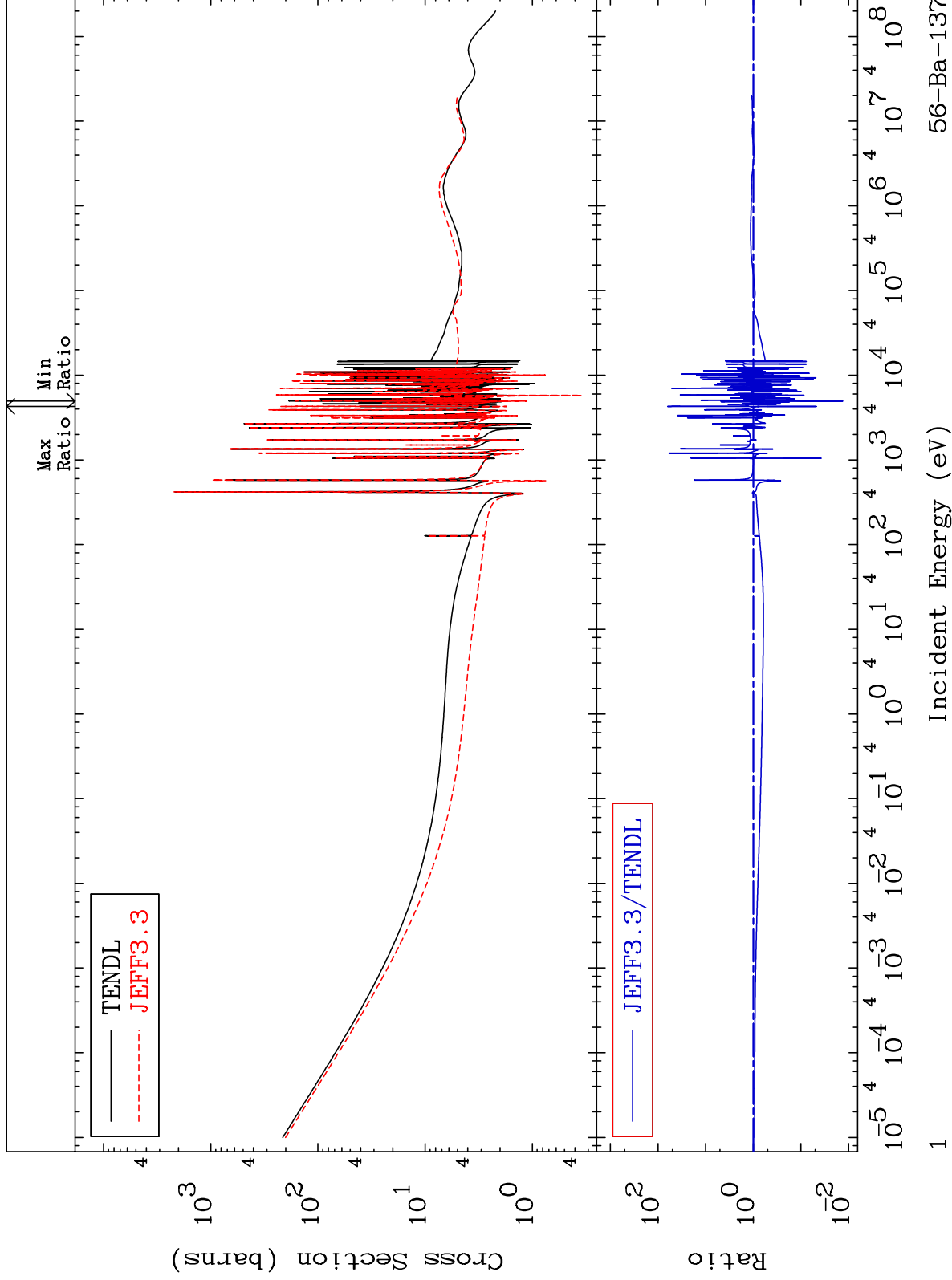
MAT 5646

Total

56-Ba-137

Cross Section

-98.67 To 6220. %



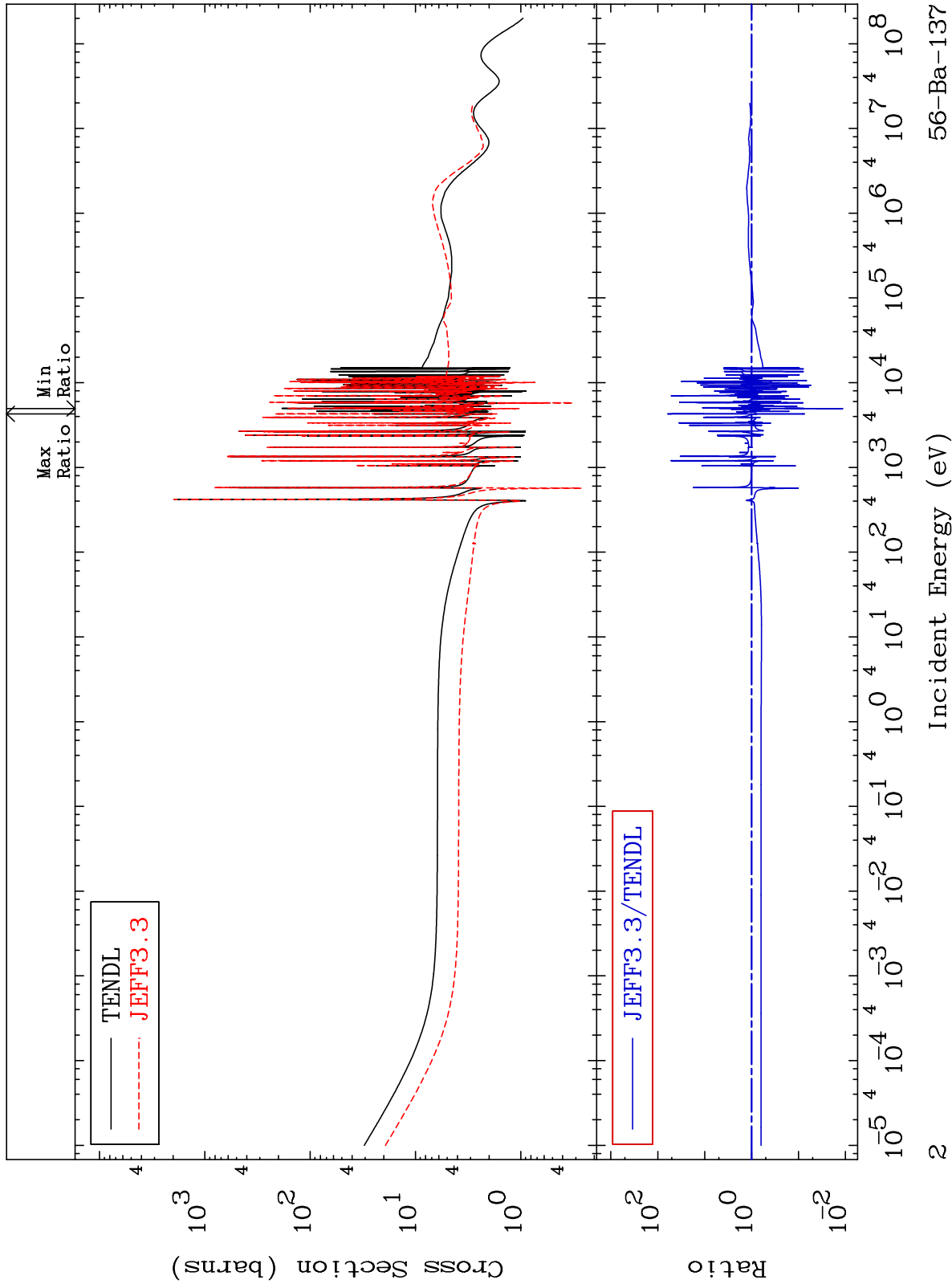
MAT 5646

Elastic

Cross Section

56-Ba-137

-98.86 To 6081. %



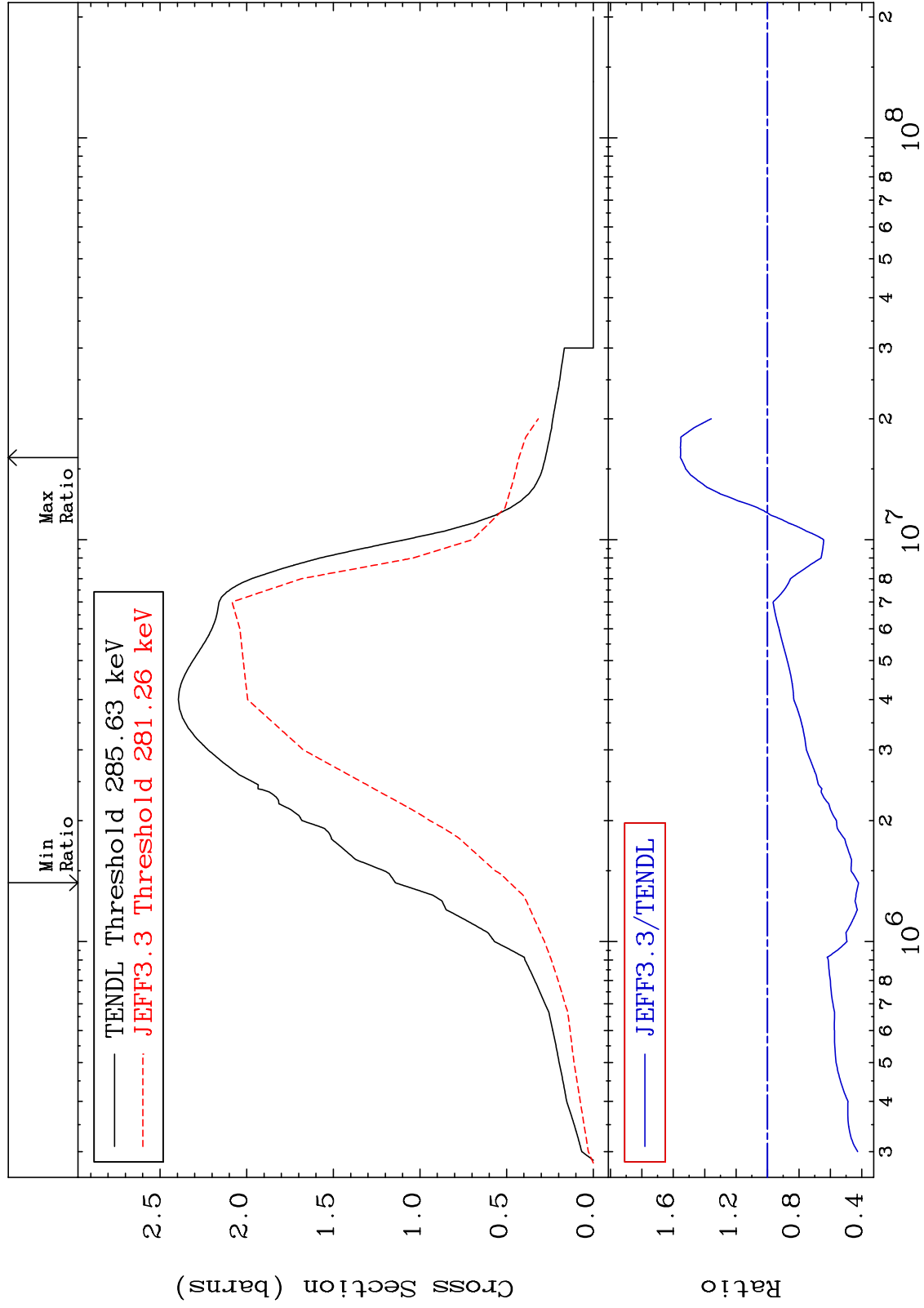
Incident Energy (eV)

56-Ba-137

2

MAT 5646

Inelastic Cross Section  
56-Ba-137  
-57.91 To 55.44 %



56-Ba-137

Incident Energy (eV)

3

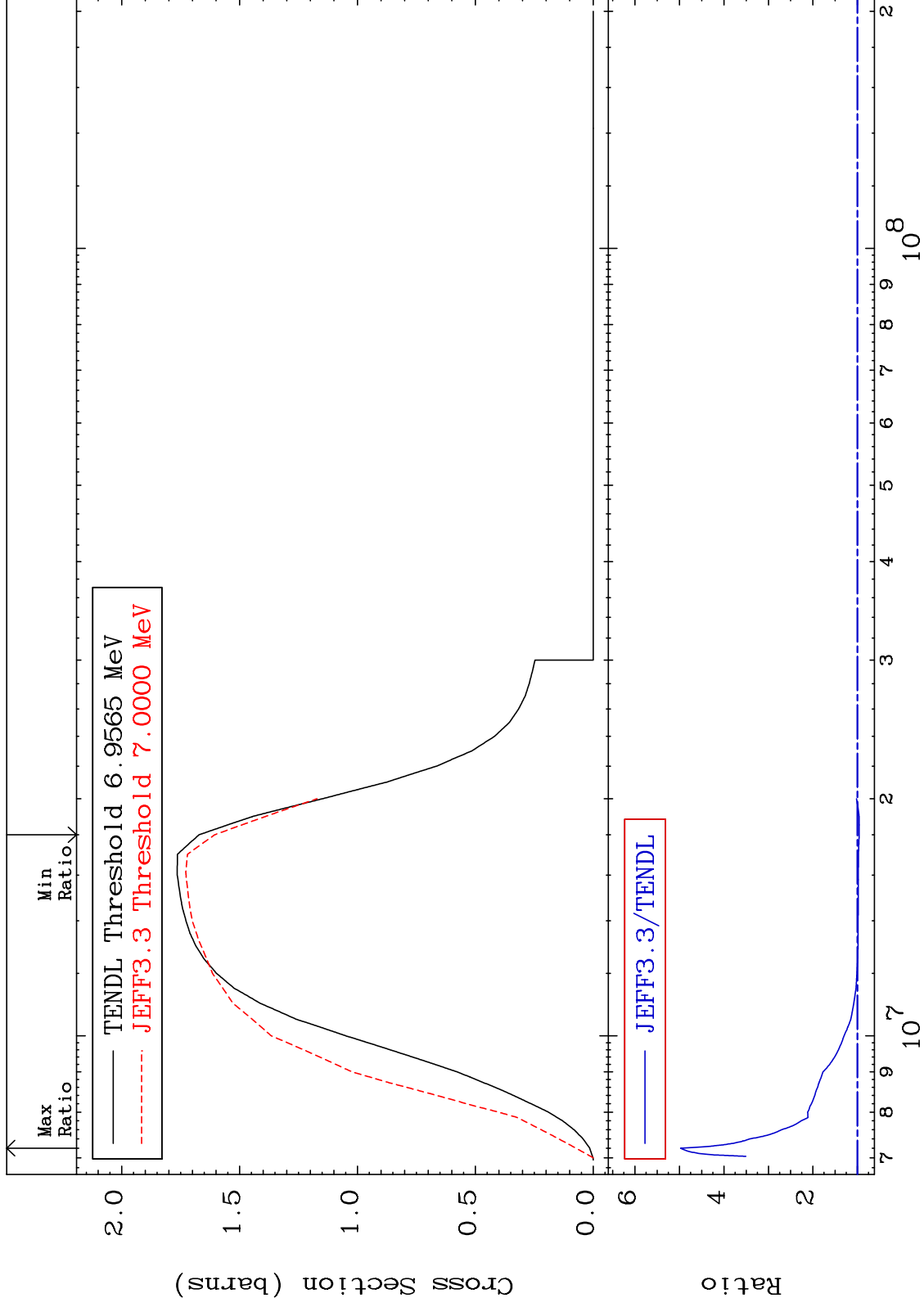
MAT 5646

(n, 2n)

56-Ba-137

Cross Section

-3.975 To 397.4 %



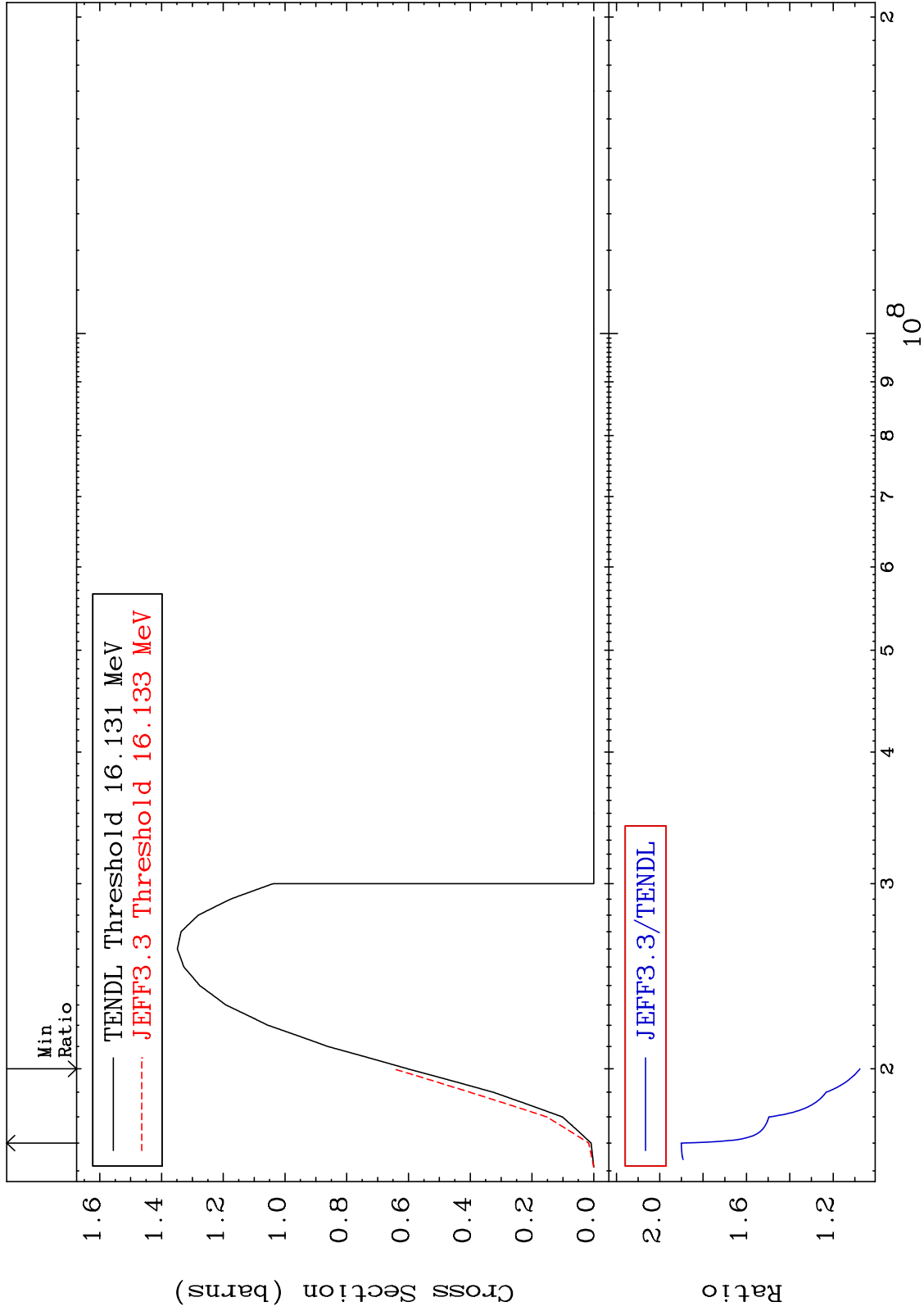
MAT 5646

(n, 3n)

56-Ba-137

Cross Section

7.630 To 90.09 %



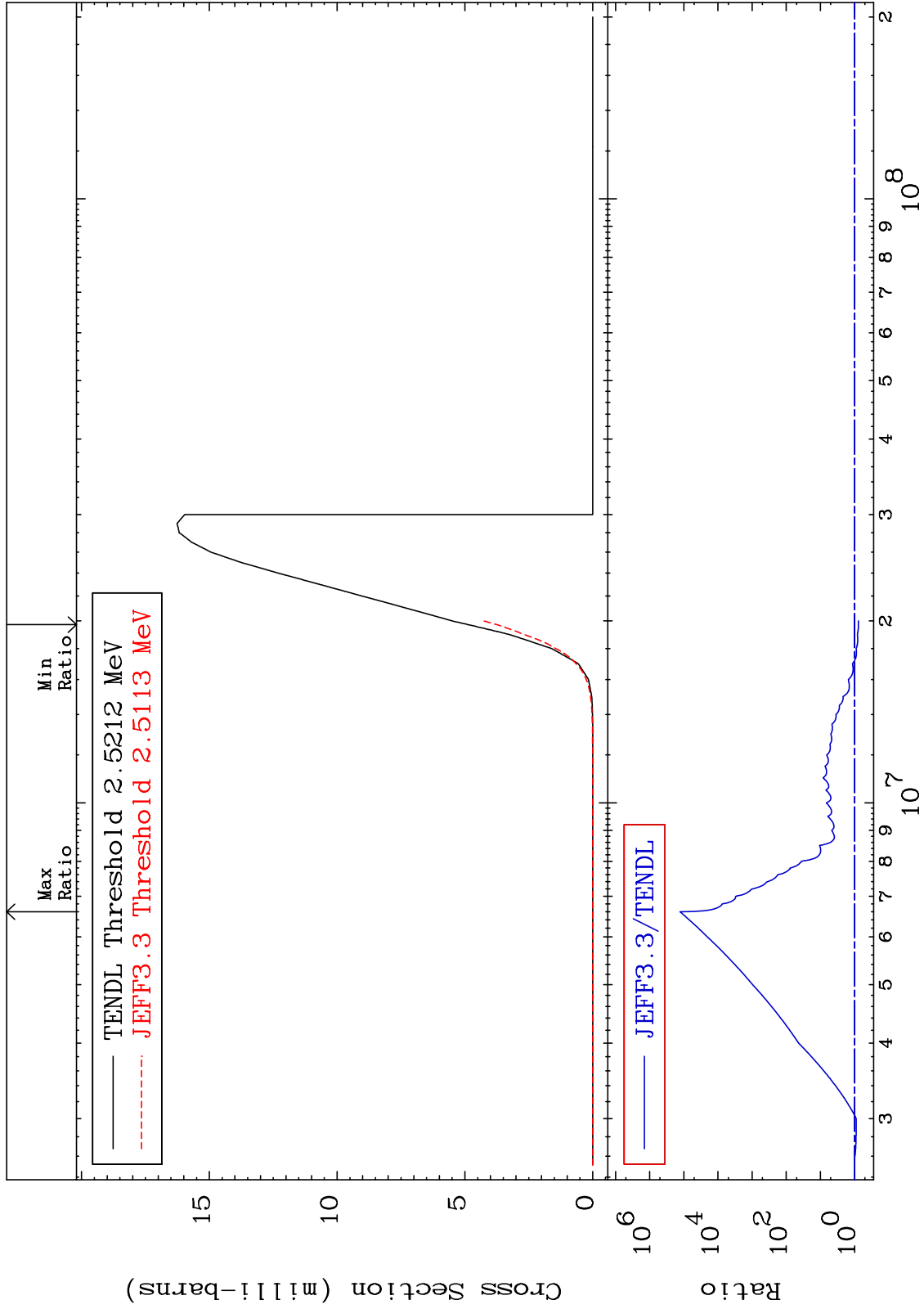
MAT 5646

(n, n')  $\alpha$

56-Ba-137

-22.81 To 9999. %

Cross Section



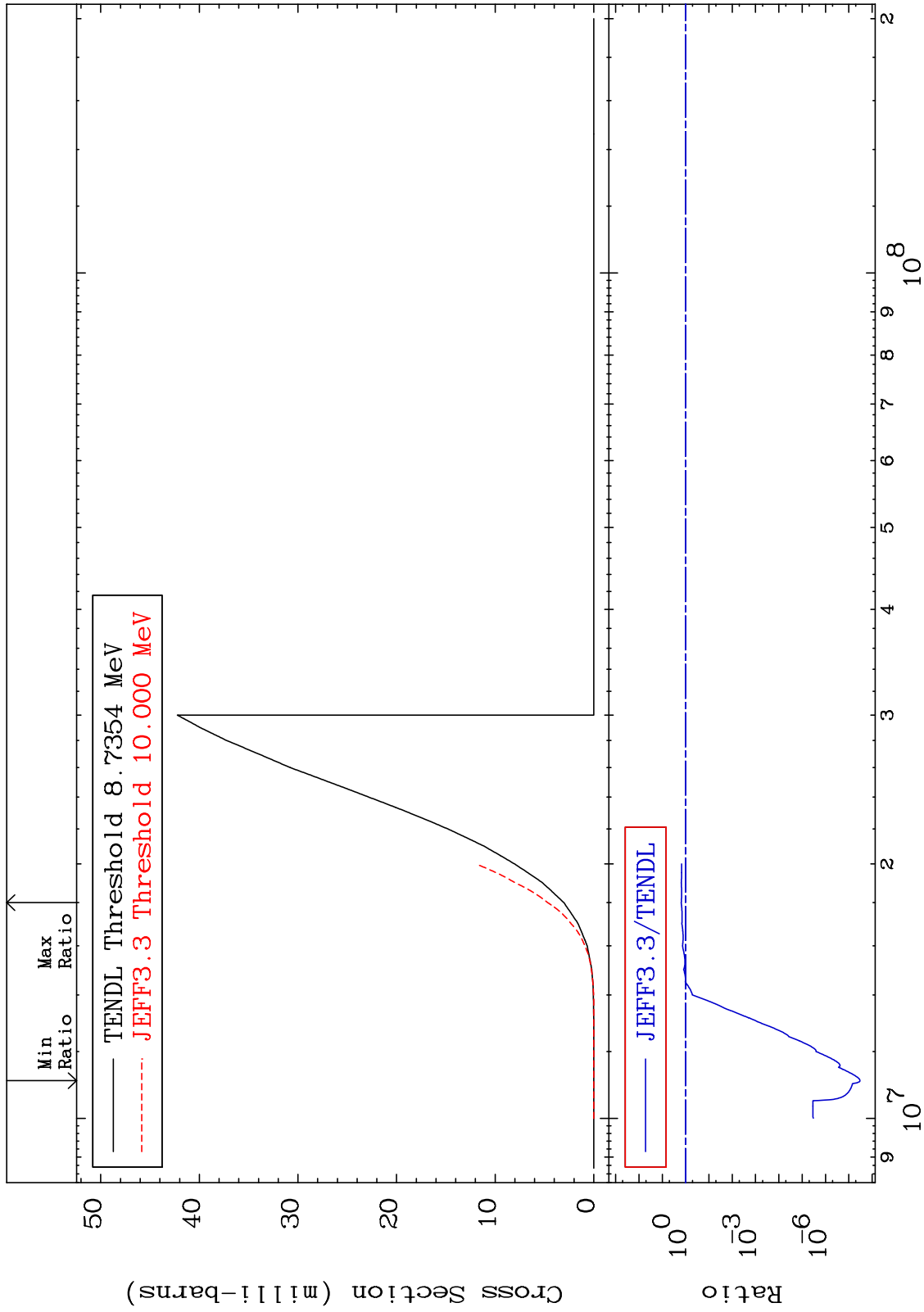
MAT 5646

(n,n') p

56-Ba-137

Cross Section

-100.0 To 53.95 %



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Incident Energy (eV)

56-Ba-137



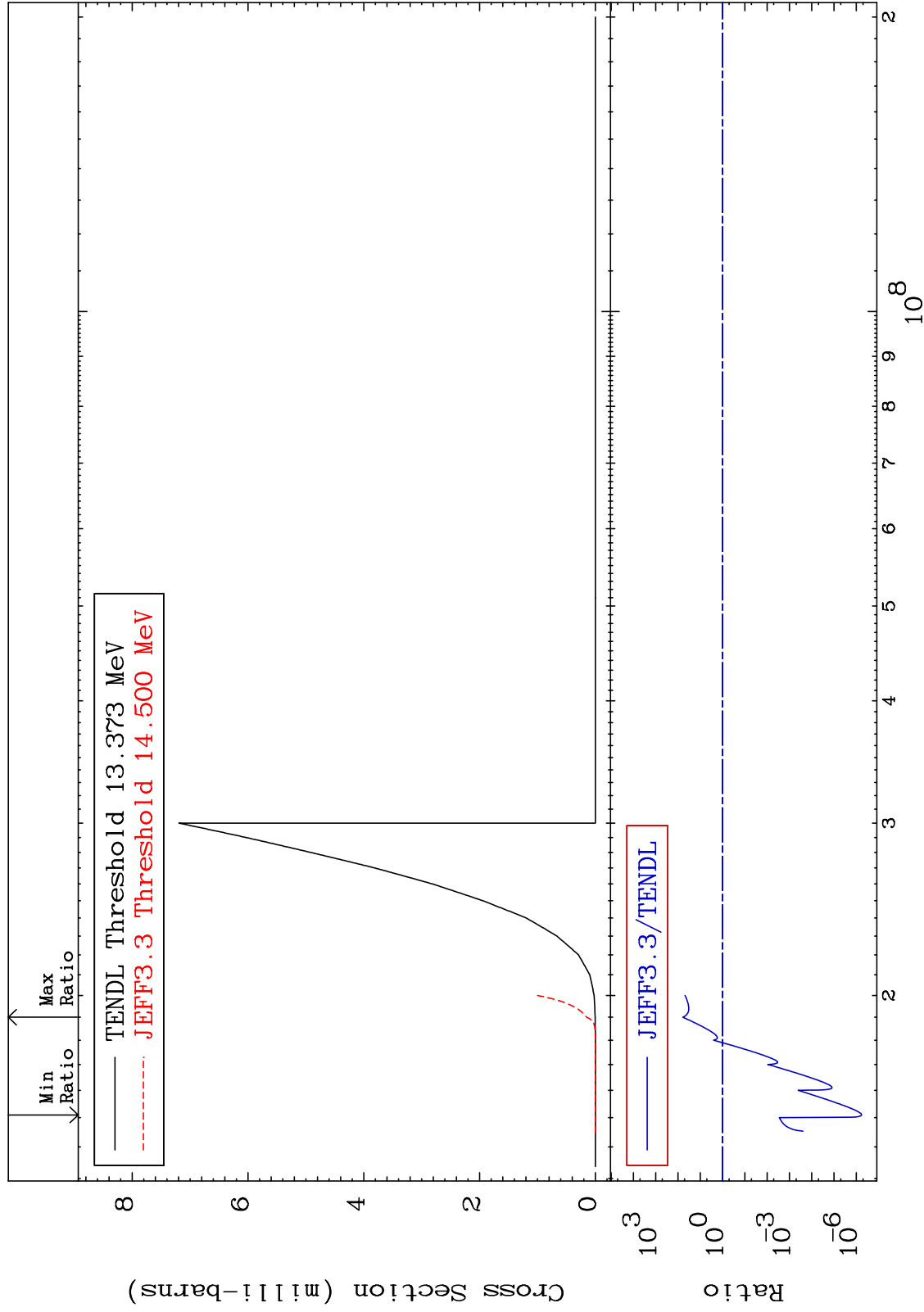
MAT 5646

(n, n') d

56-Ba-137

Cross Section

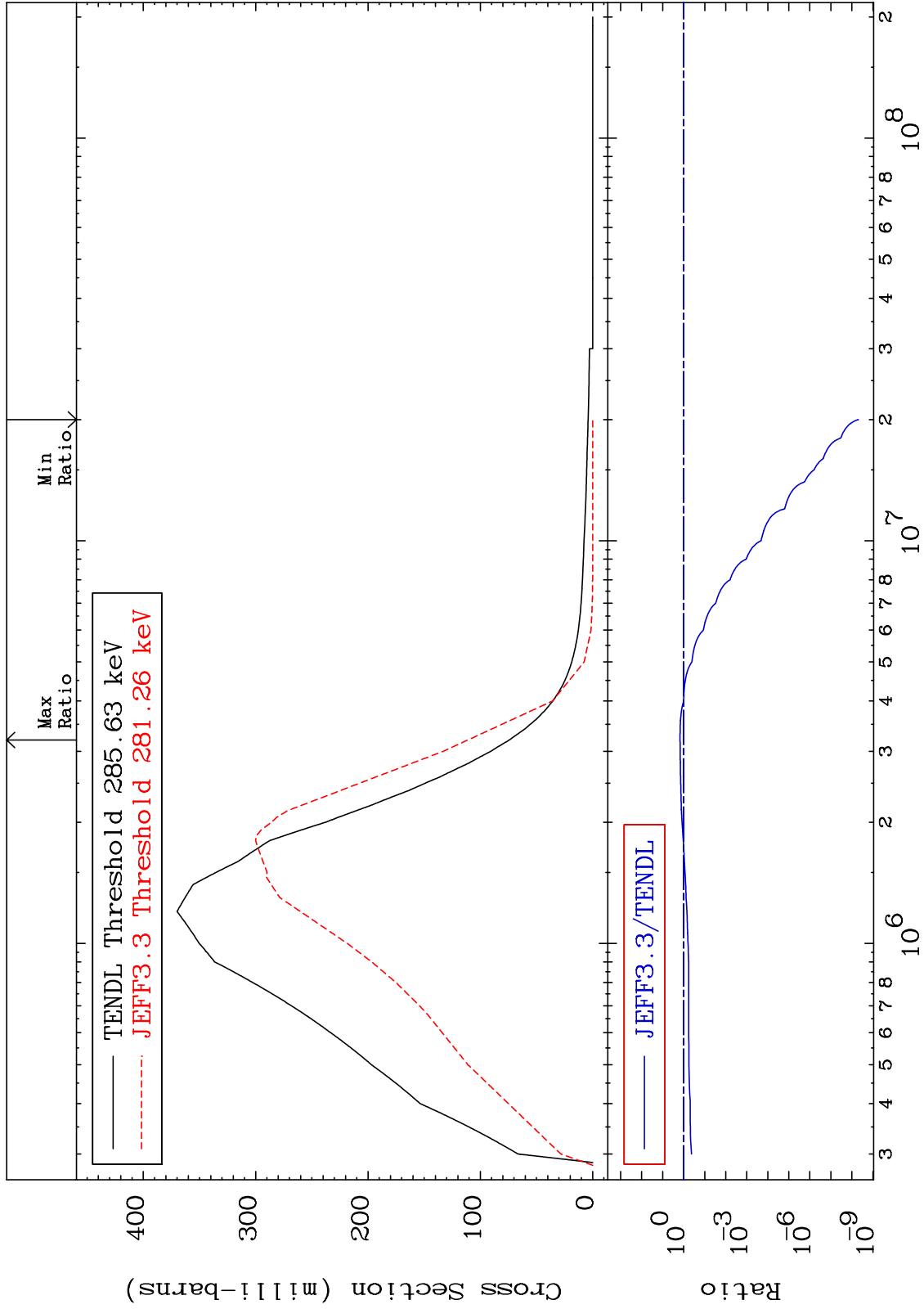
-100.0 To 5894. %



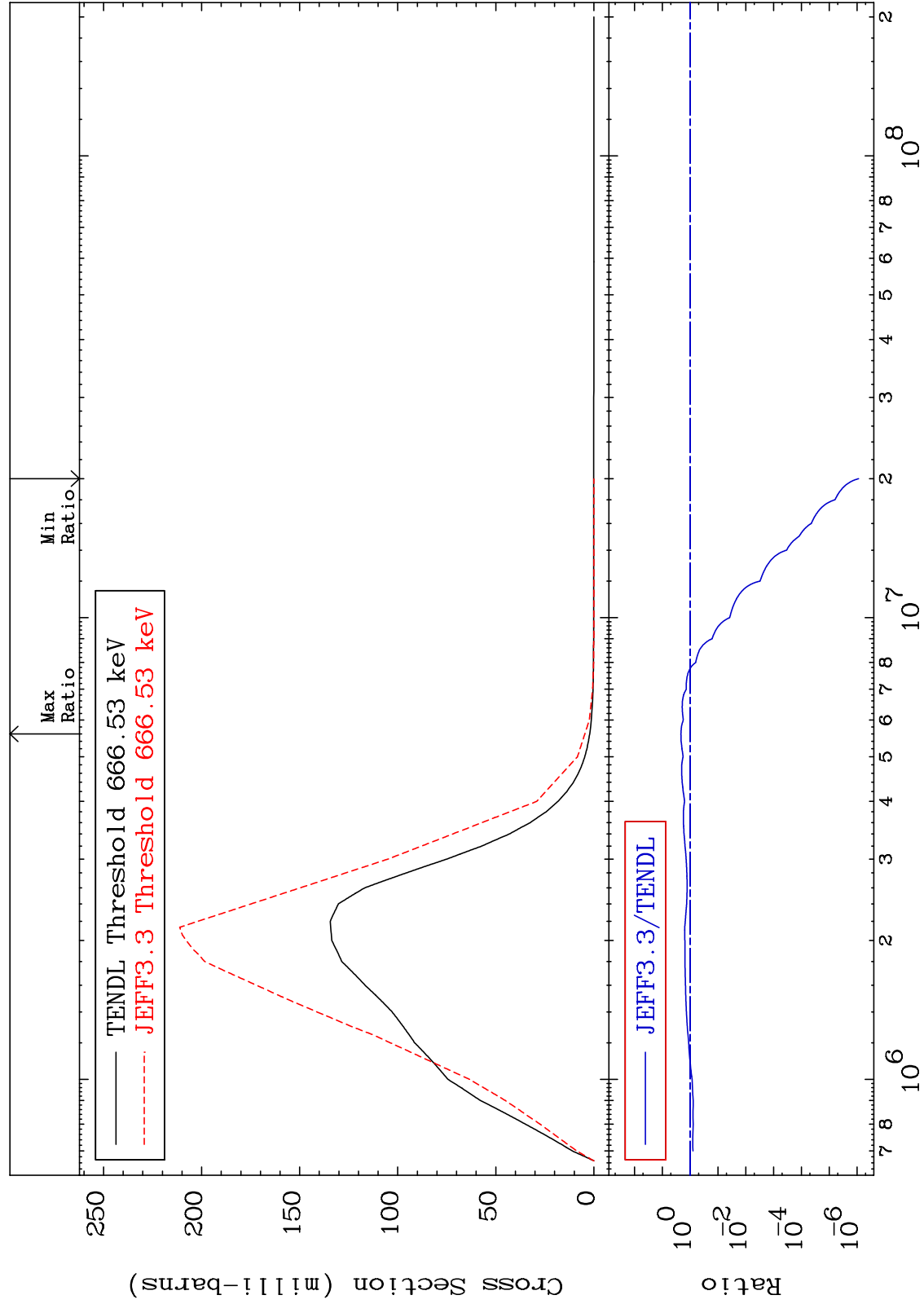
MAT 5646

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

56-Ba-137  
-100.0 To 49.77 %



MAT 5646  
 MT= 52 (n, n') Level  
 56-Ba-137  
 -100.0 To 115.9 %  
 Cross Section

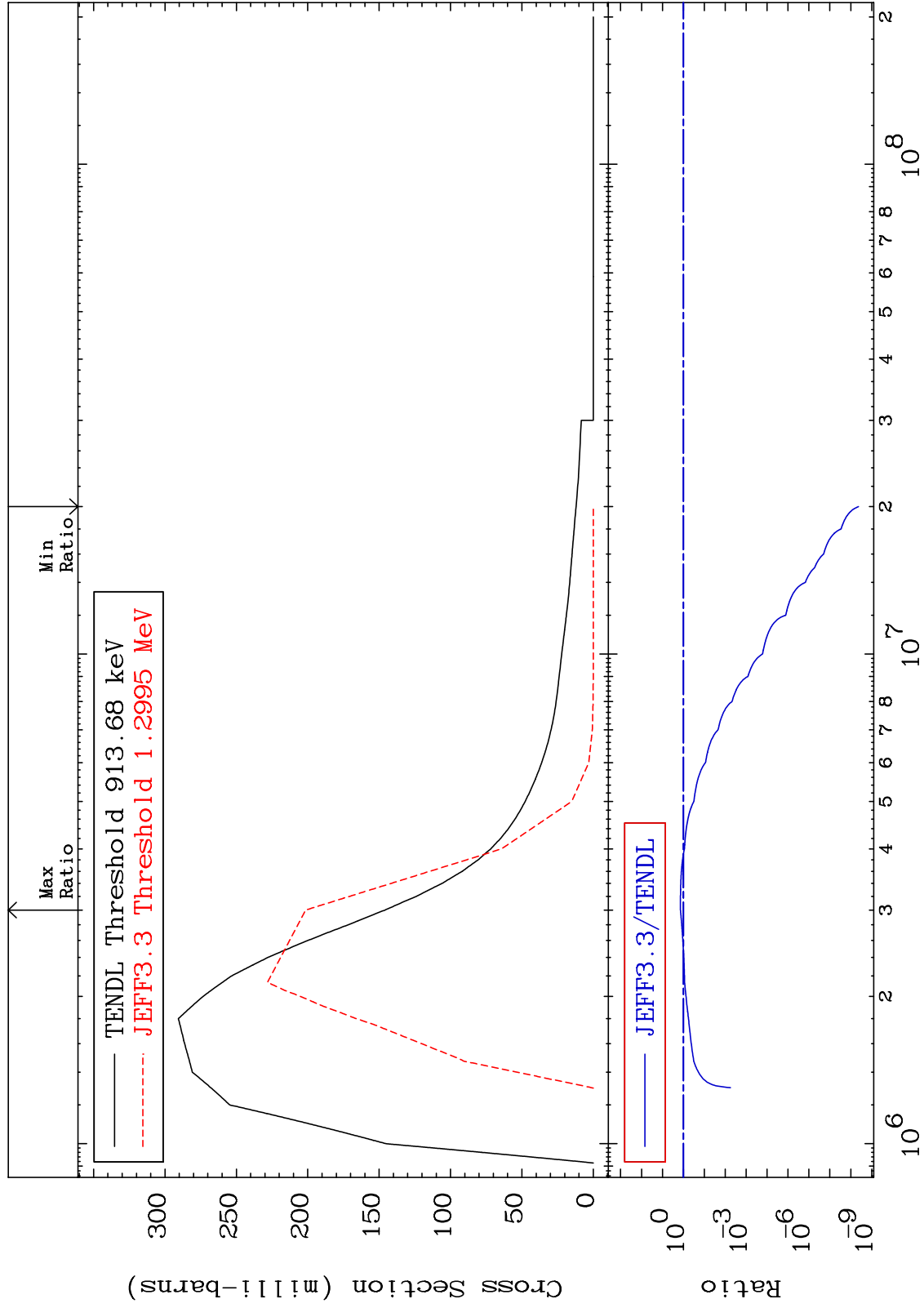


Incident Energy (eV) 56-Ba-137

MAT 5646

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

56-Ba-137  
-100.0 To 38.12 %



11

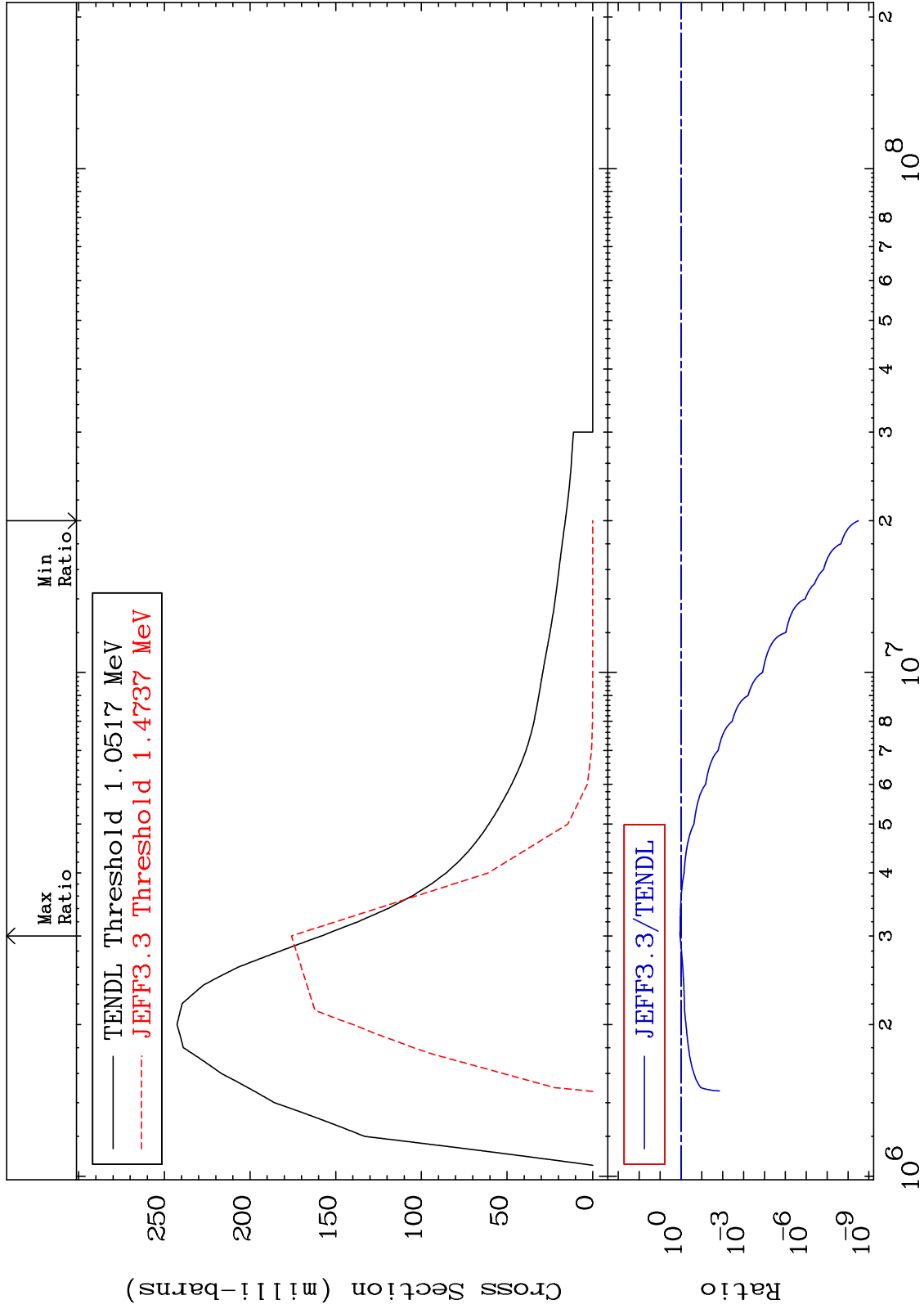
Incident Energy (eV)

56-Ba-137

MAT 5646

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

56-Ba-137  
-100.0 To 11.15 %



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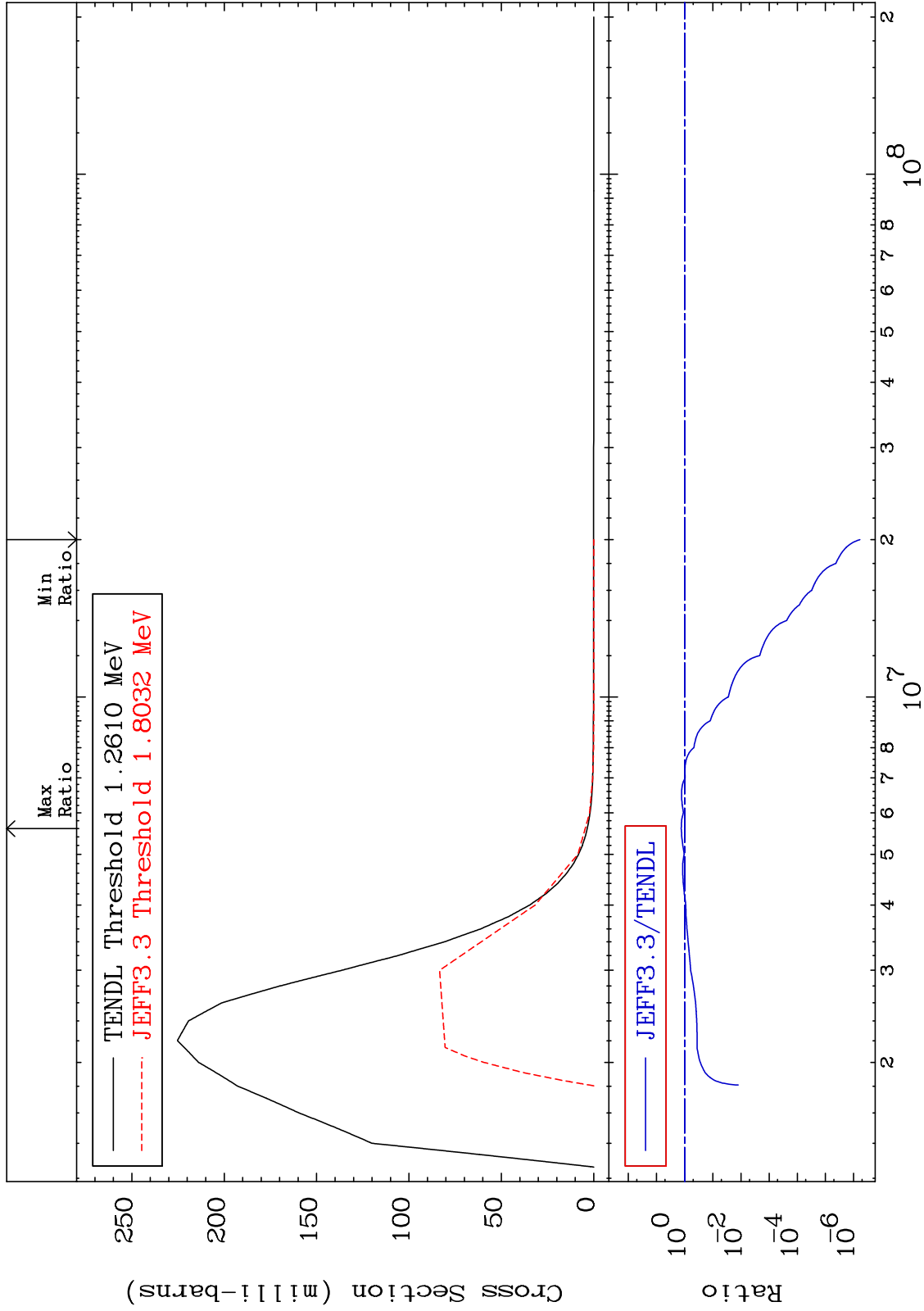
Incident Energy (eV)

56-Ba-137

MAT 5646

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

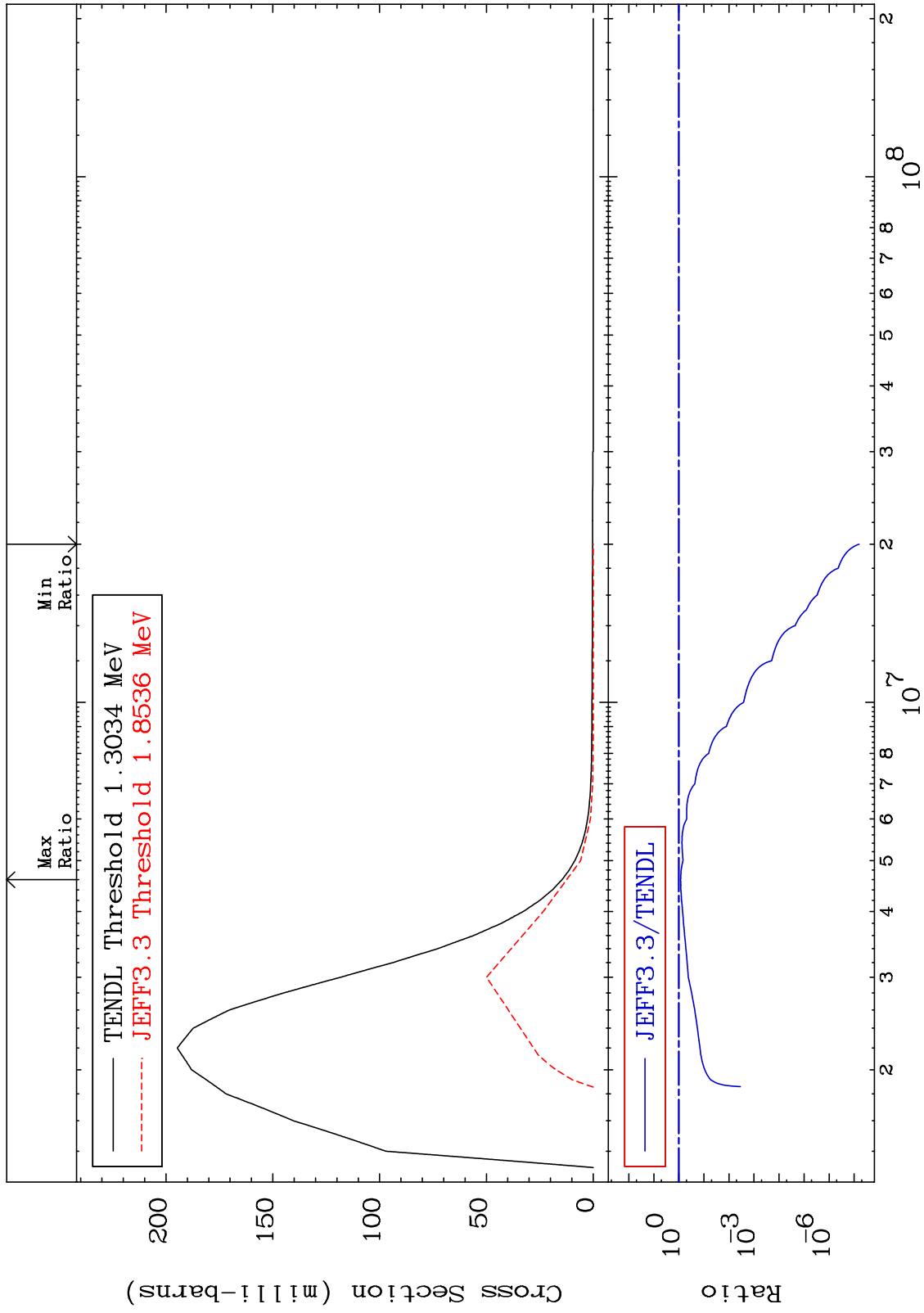
56-Ba-137  
-100.0 To 32.03 %

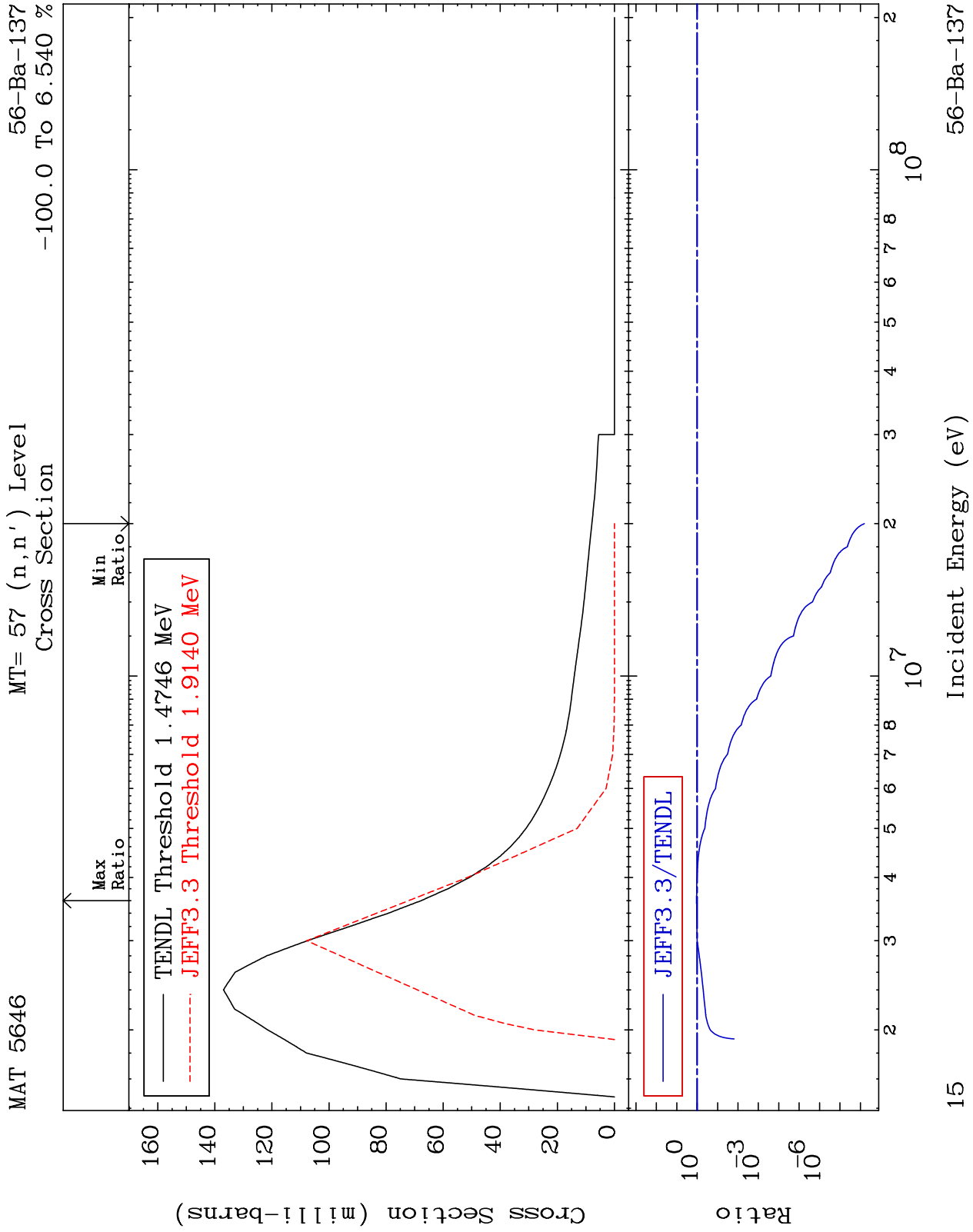


MAT 5646

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

56-Ba-137  
-100.0 To -14.72%



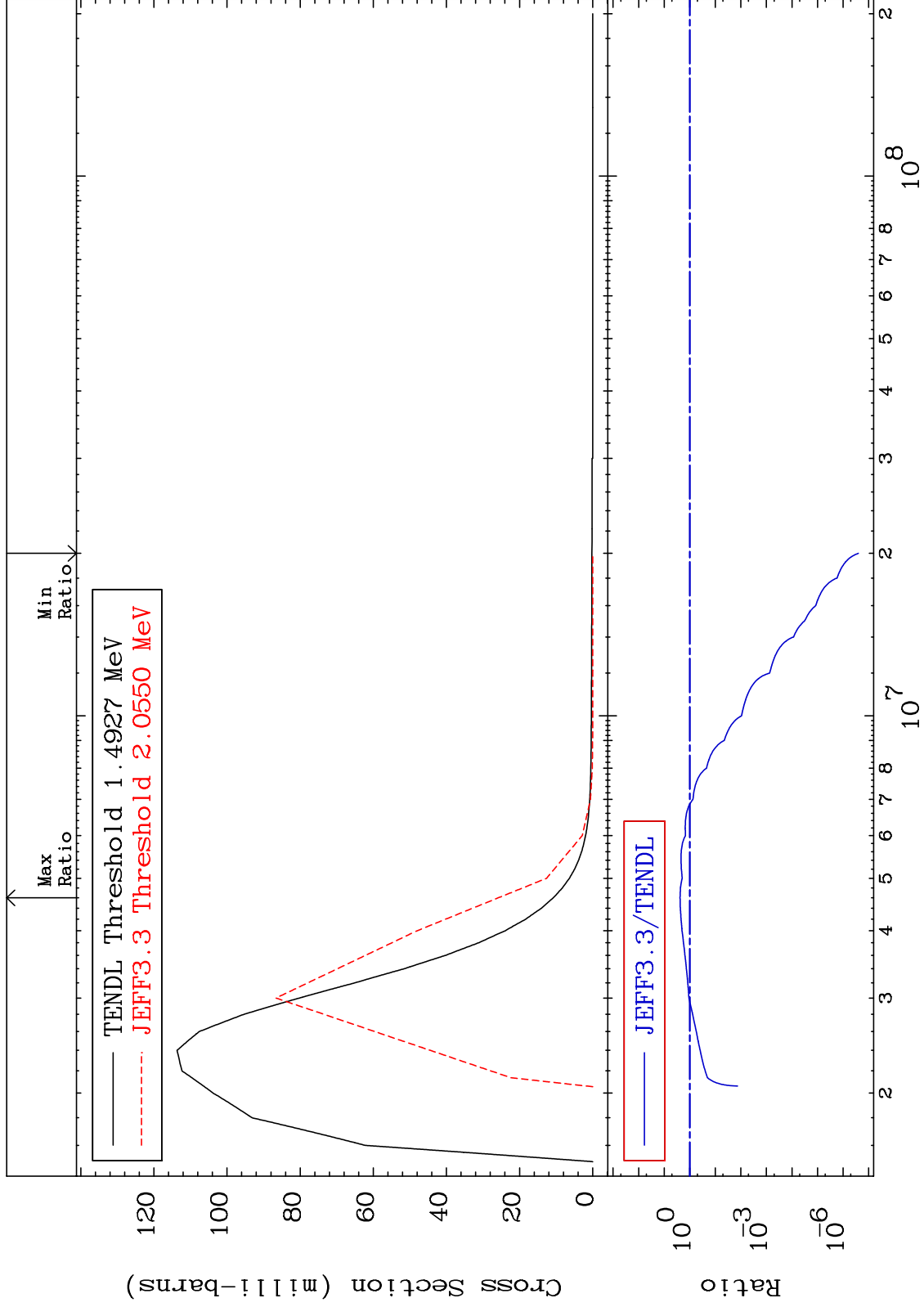




MAT 5646

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

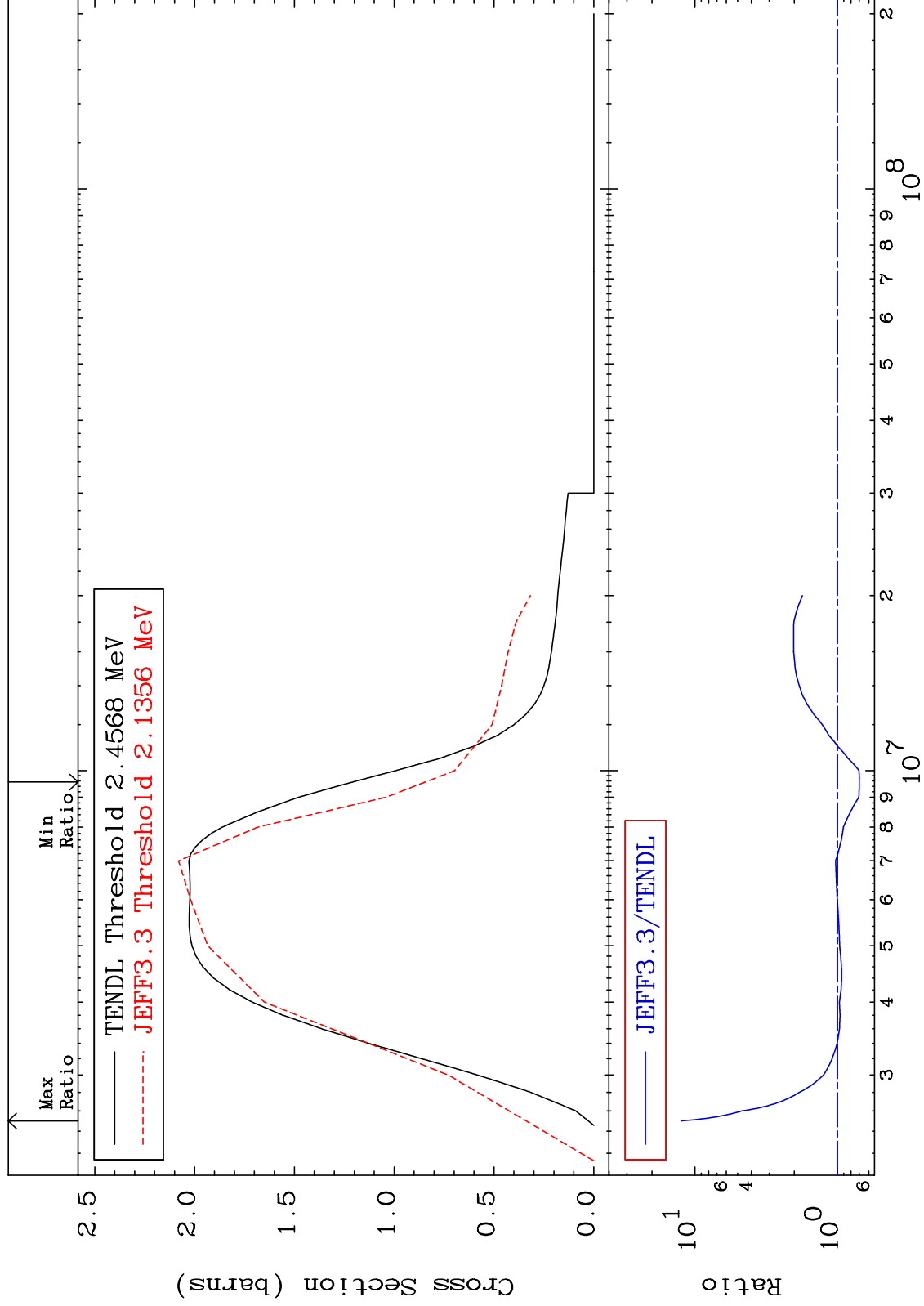
56-Ba-137  
-100.0 To 140.0 %



MAT 5646

(n,n') Continuum  
Cross Section

56-Ba-137  
-30.07 To 1150. %



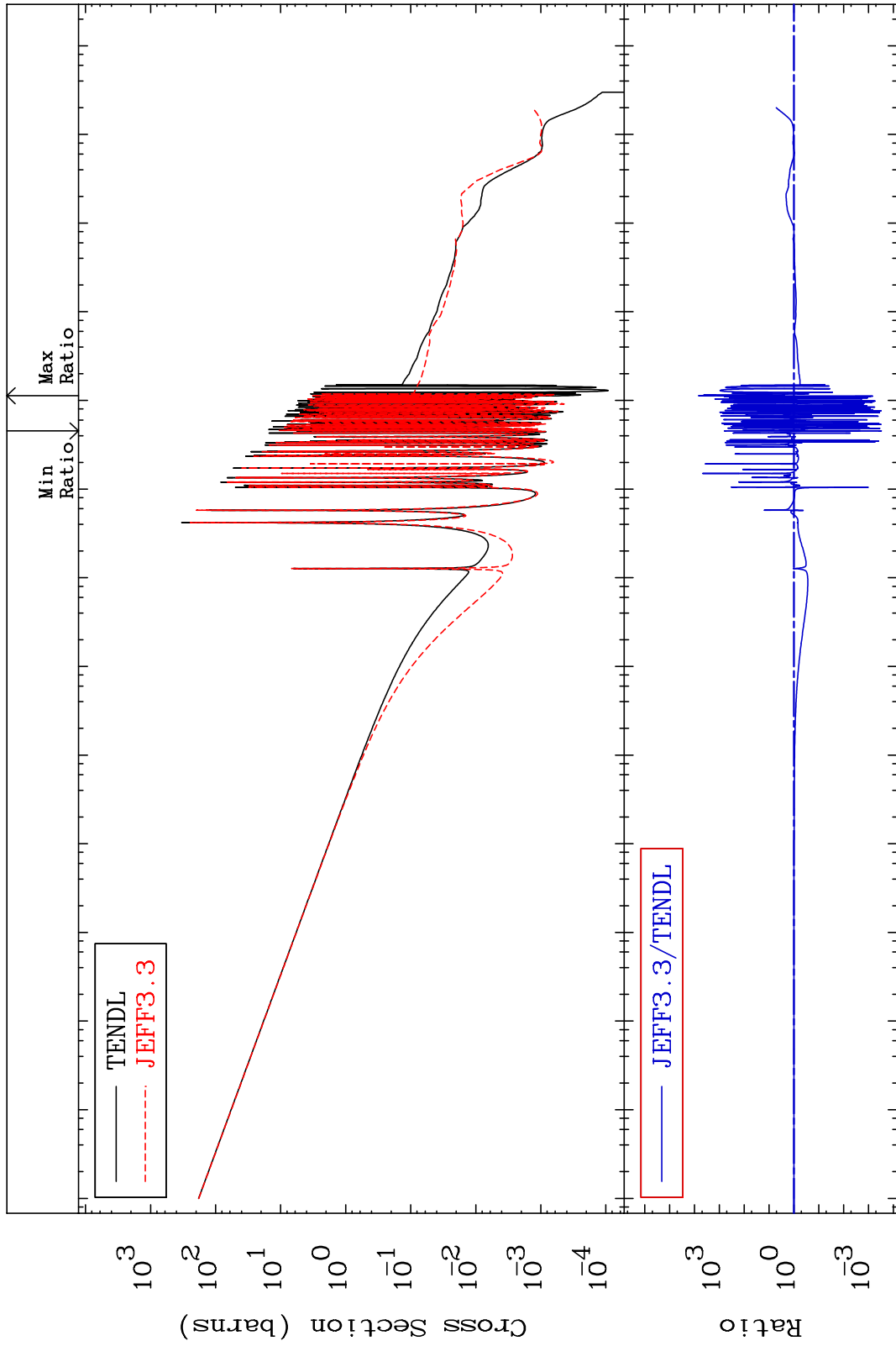
MAT 5646

(n,  $\gamma$ )

56-Ba-137

Cross Section

-99.97 To 9999. %

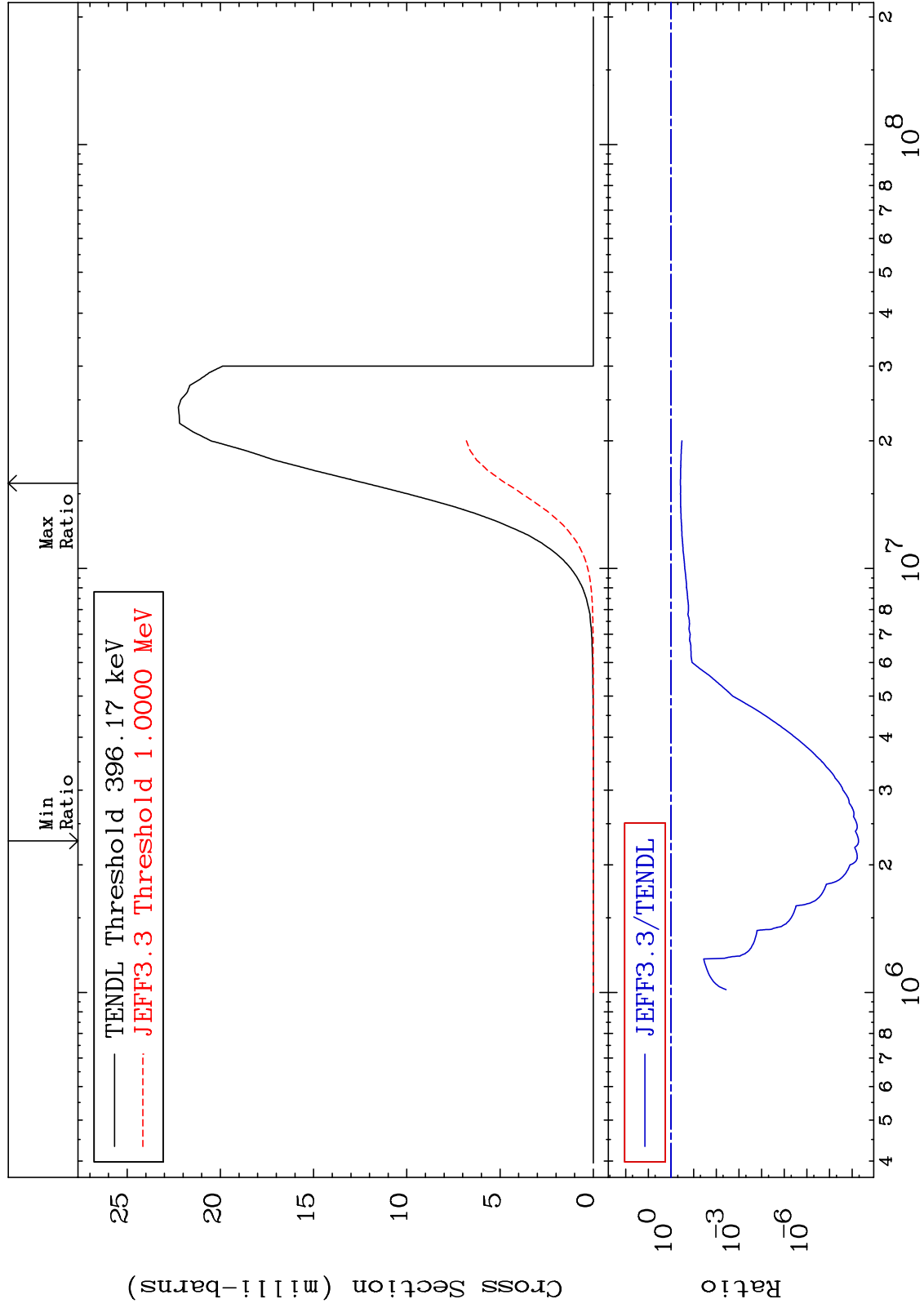


Incident Energy (eV) 56-Ba-137

MAT 5646

(n, p)  
Cross Section

56-Ba-137  
-100.0 To -61.55%



19

56-Ba-137

56-Ba-137

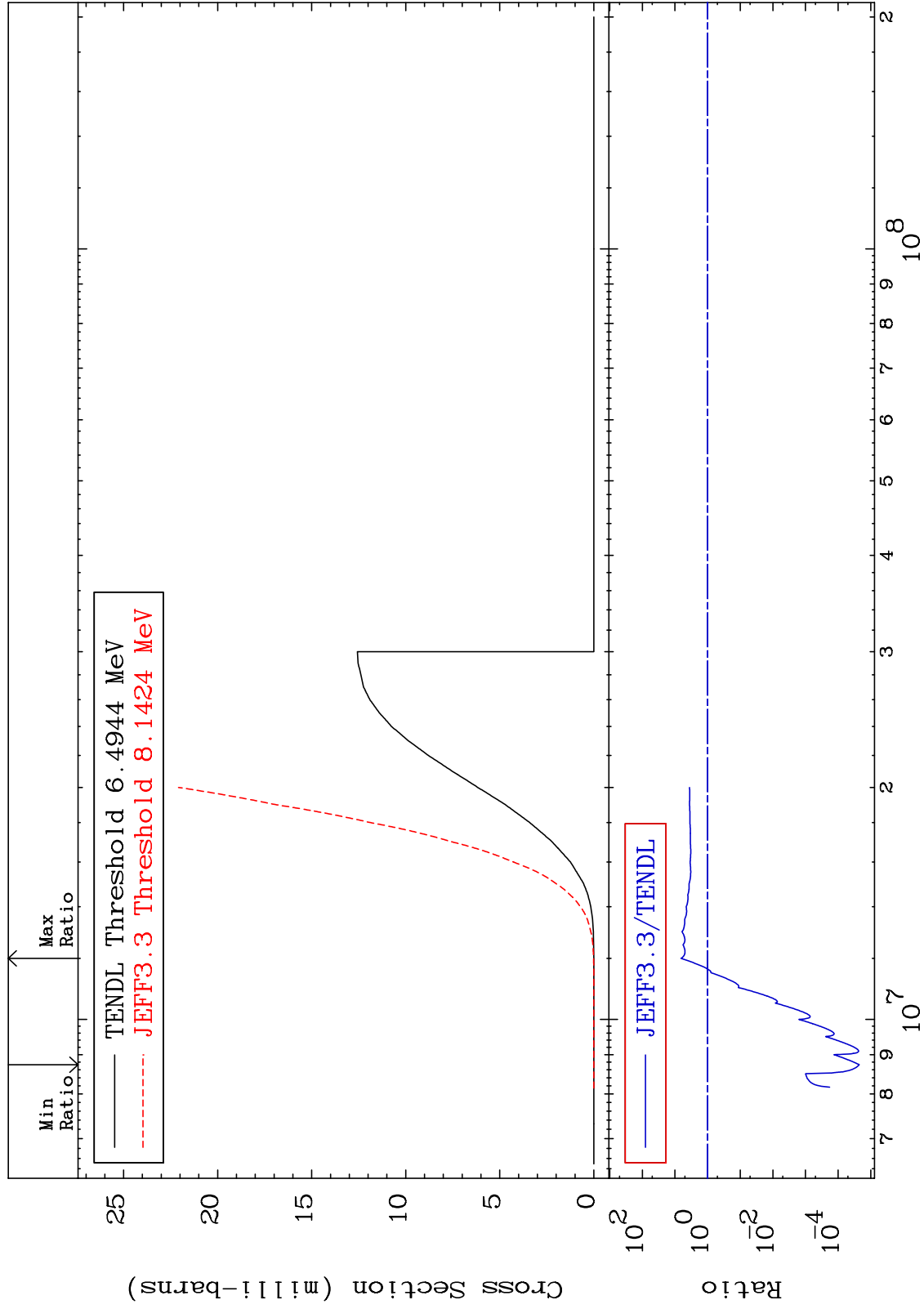
MAT 5646

(n, d)

56-Ba-137

Cross Section

-100.0 To 551.9 %



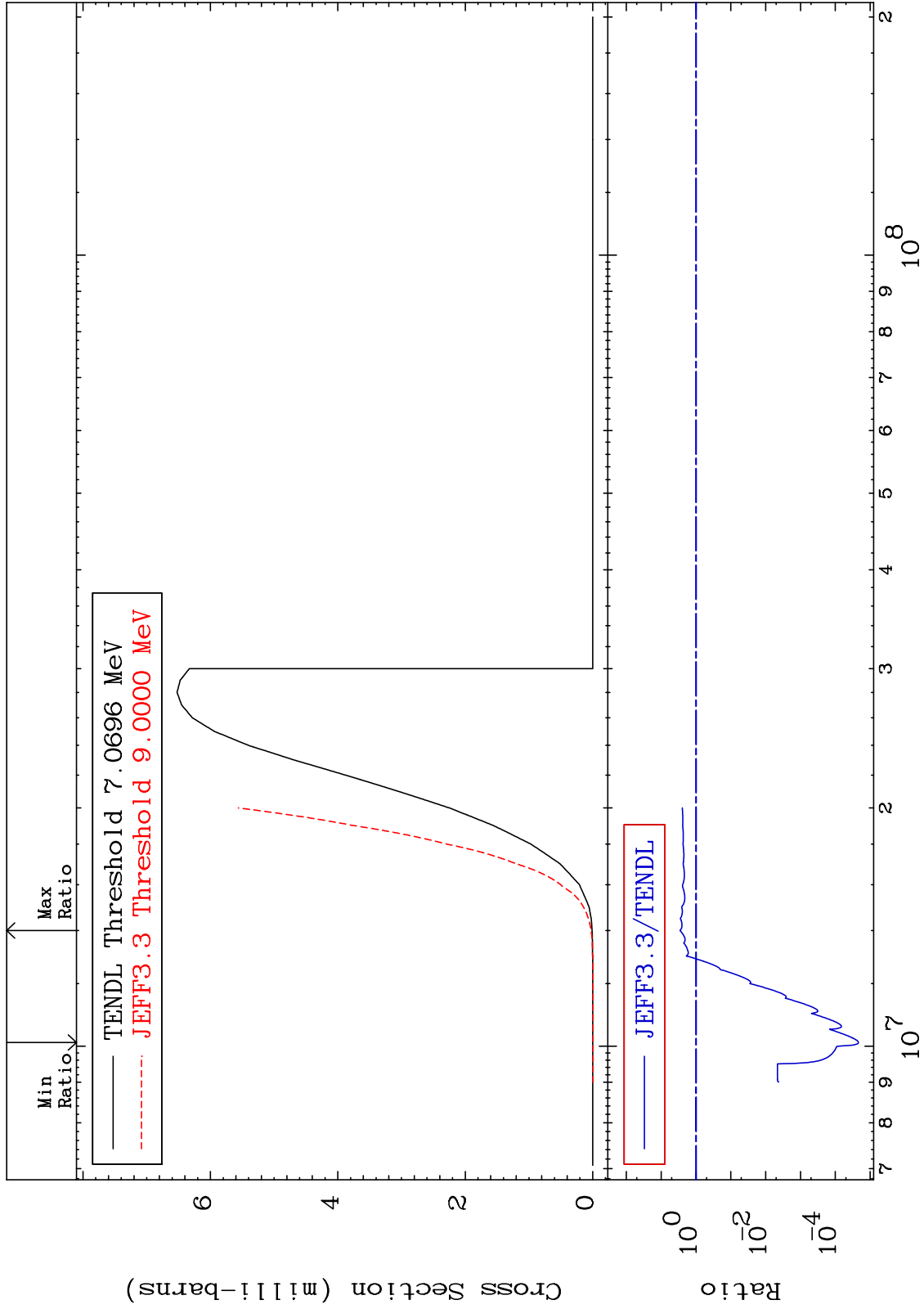
MAT 5646

(n, t)

56-Ba-137

Cross Section

-100.0 To 187.2 %



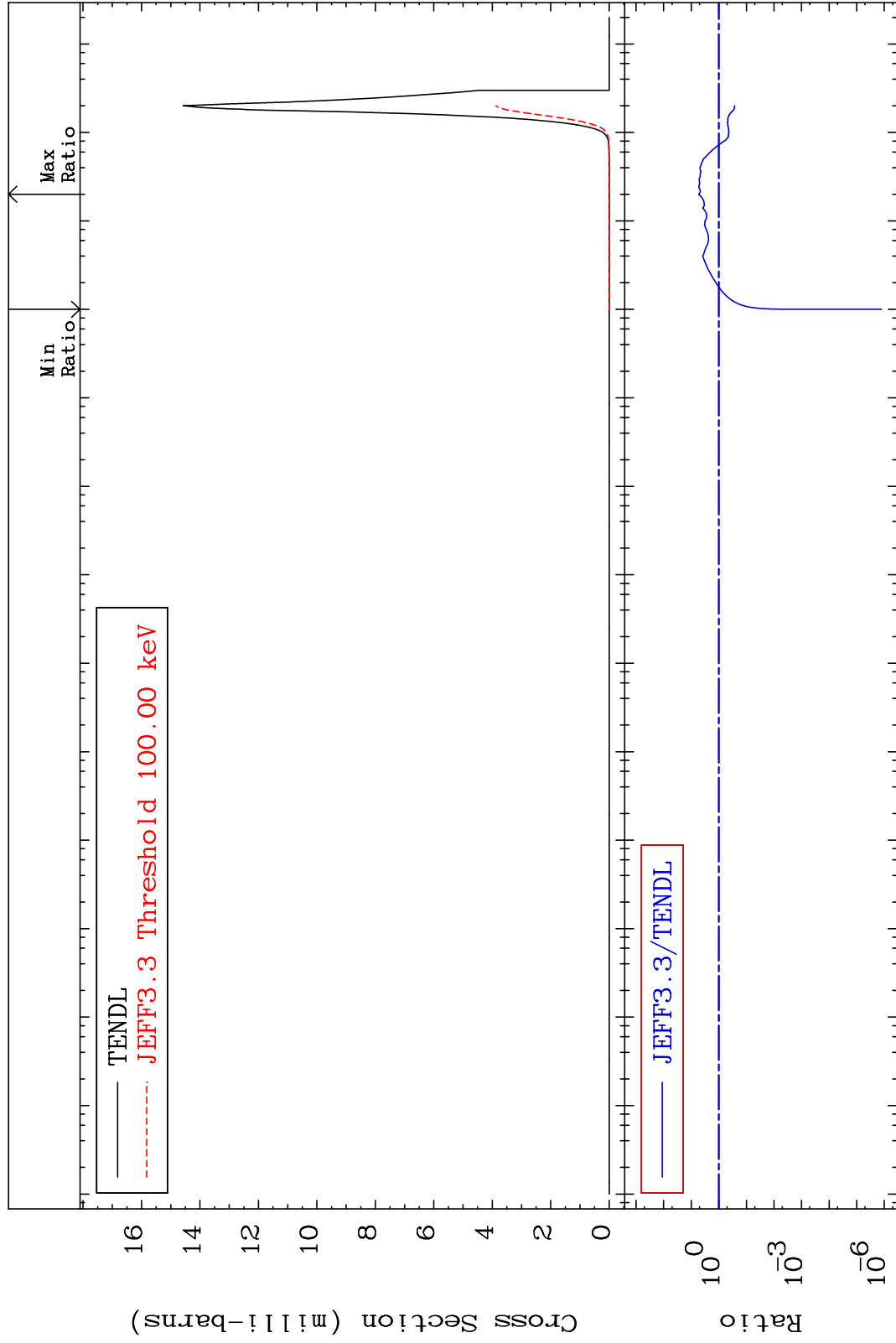
MAT 5646

(n,  $\alpha$ )

56-Ba-137

Cross Section

-100.0 To 435.5 %



Incident Energy (eV)

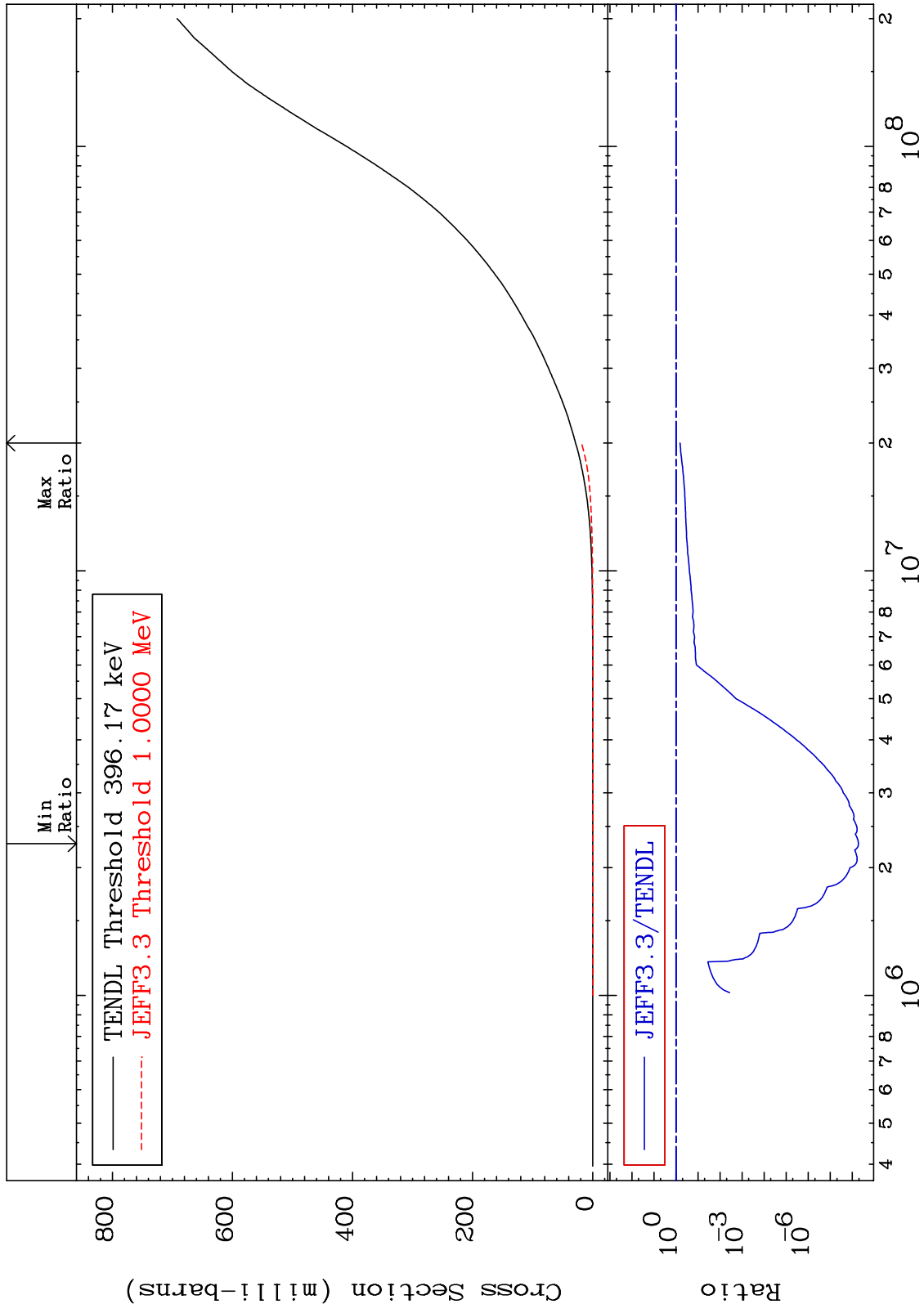
56-Ba-137

22

MAT 5646

Hydrogen Production  
Cross Section

56-Ba-137  
-100.0 To -34.22%

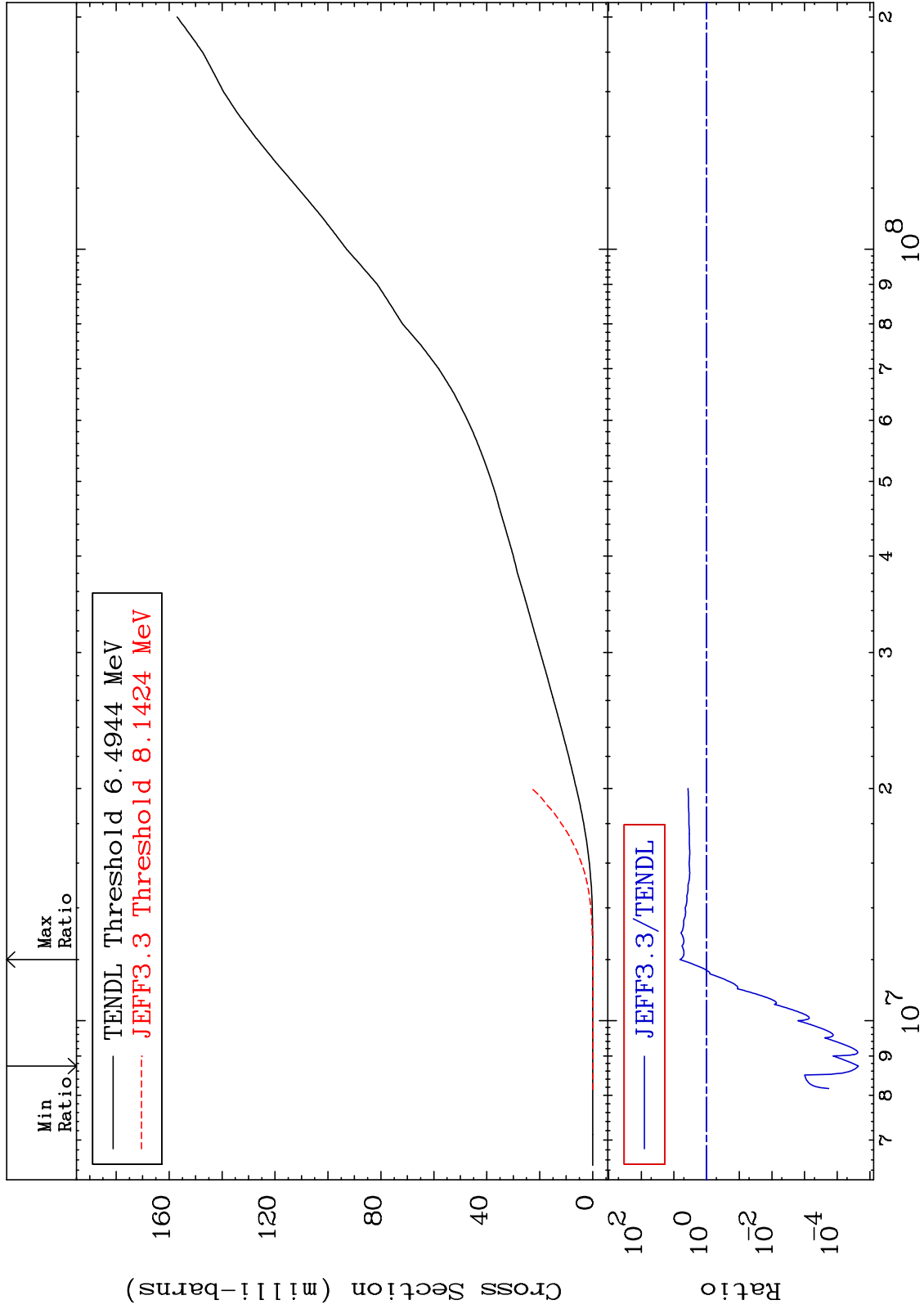




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Deuterium Production  
Cross Section

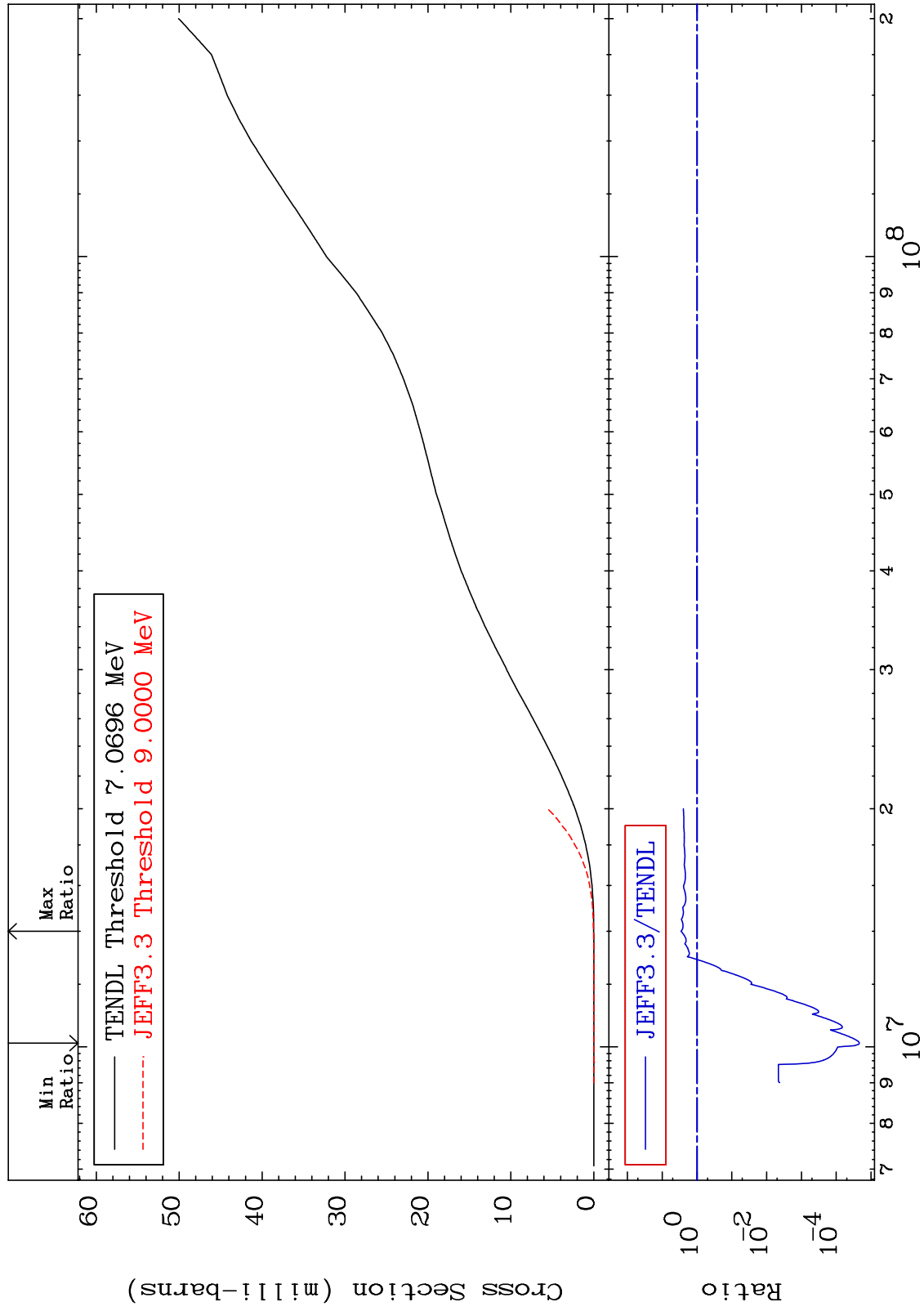
56-Ba-137  
-100.0 To 551.9 %



MAT 5646

Tritium Production  
Cross Section

56-Ba-137  
-100.0 To 187.2 %



25

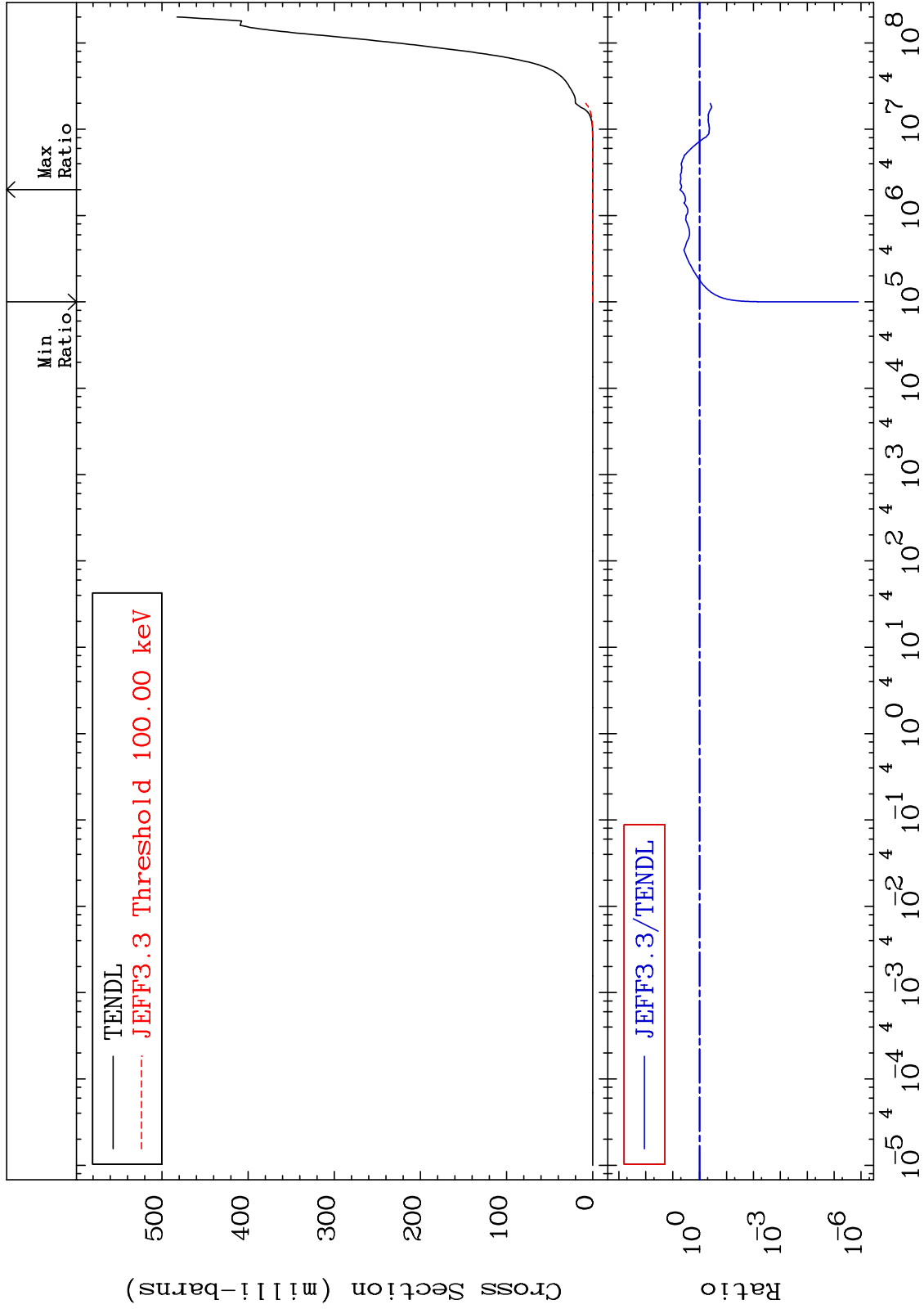
Incident Energy (eV)

56-Ba-137

MAT 5646

He-4 Production  
Cross Section

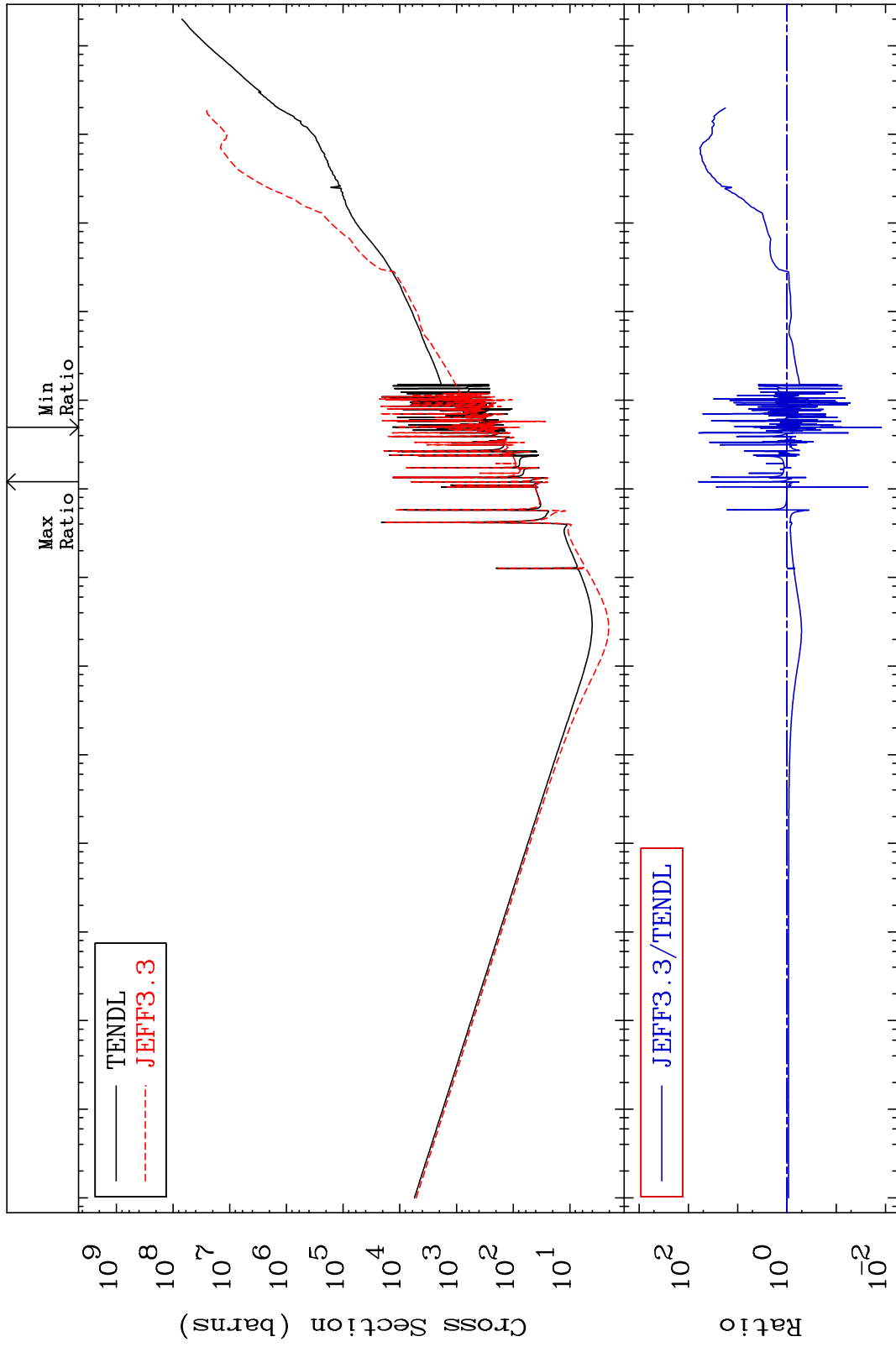
56-Ba-137  
-100.0 To 435.5 %



MAT 5646

Kerma total (eV-barns)  
Cross Section

56-Ba-137  
-98.79 To 6199. %



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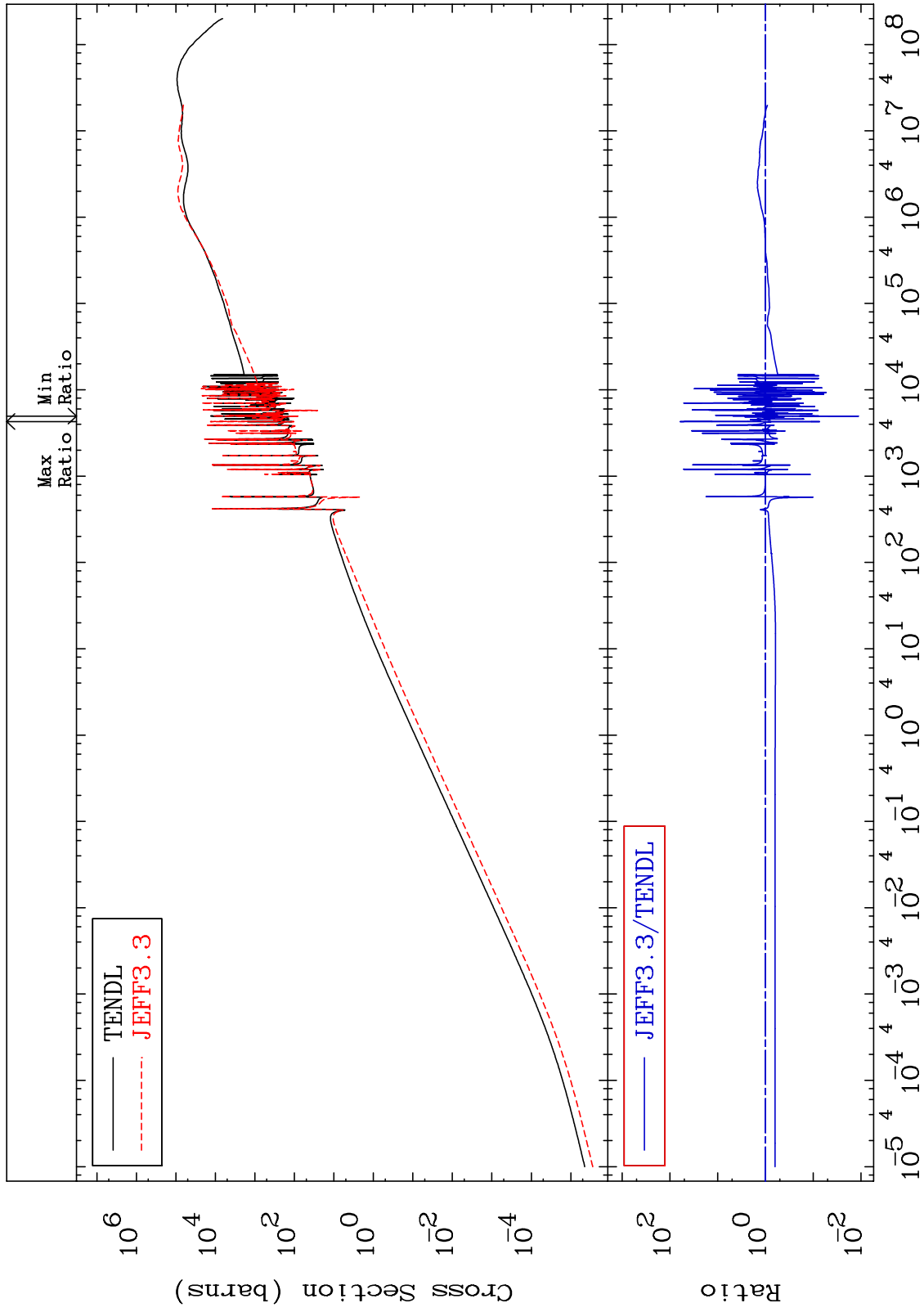
Incident Energy (eV)

56-Ba-137

MAT 5646

Kerma elastic  
Cross Section

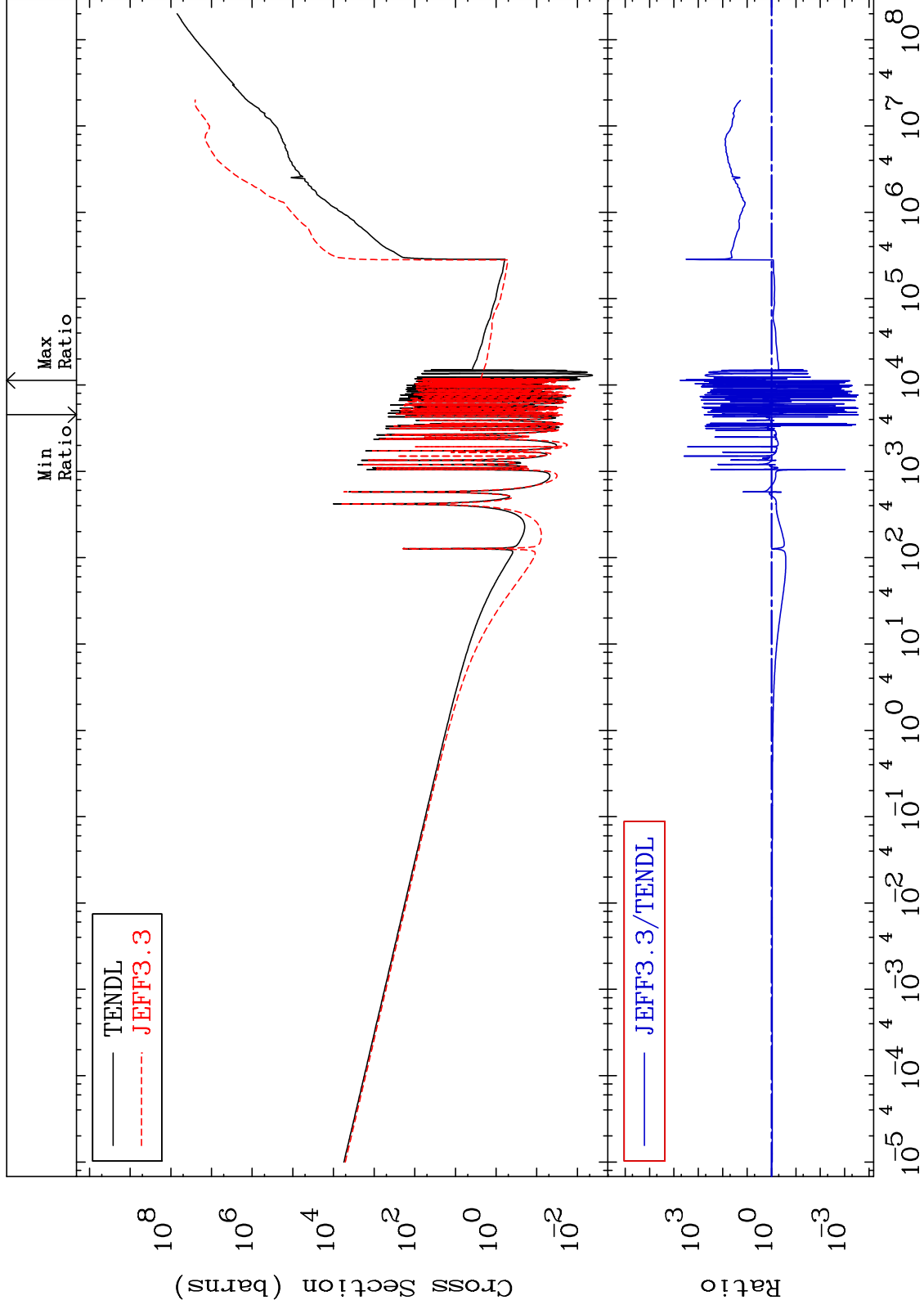
56-Ba-137  
-98.87 To 6041. %



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Kerma non-elastic (all but mt2)  
Cross Section

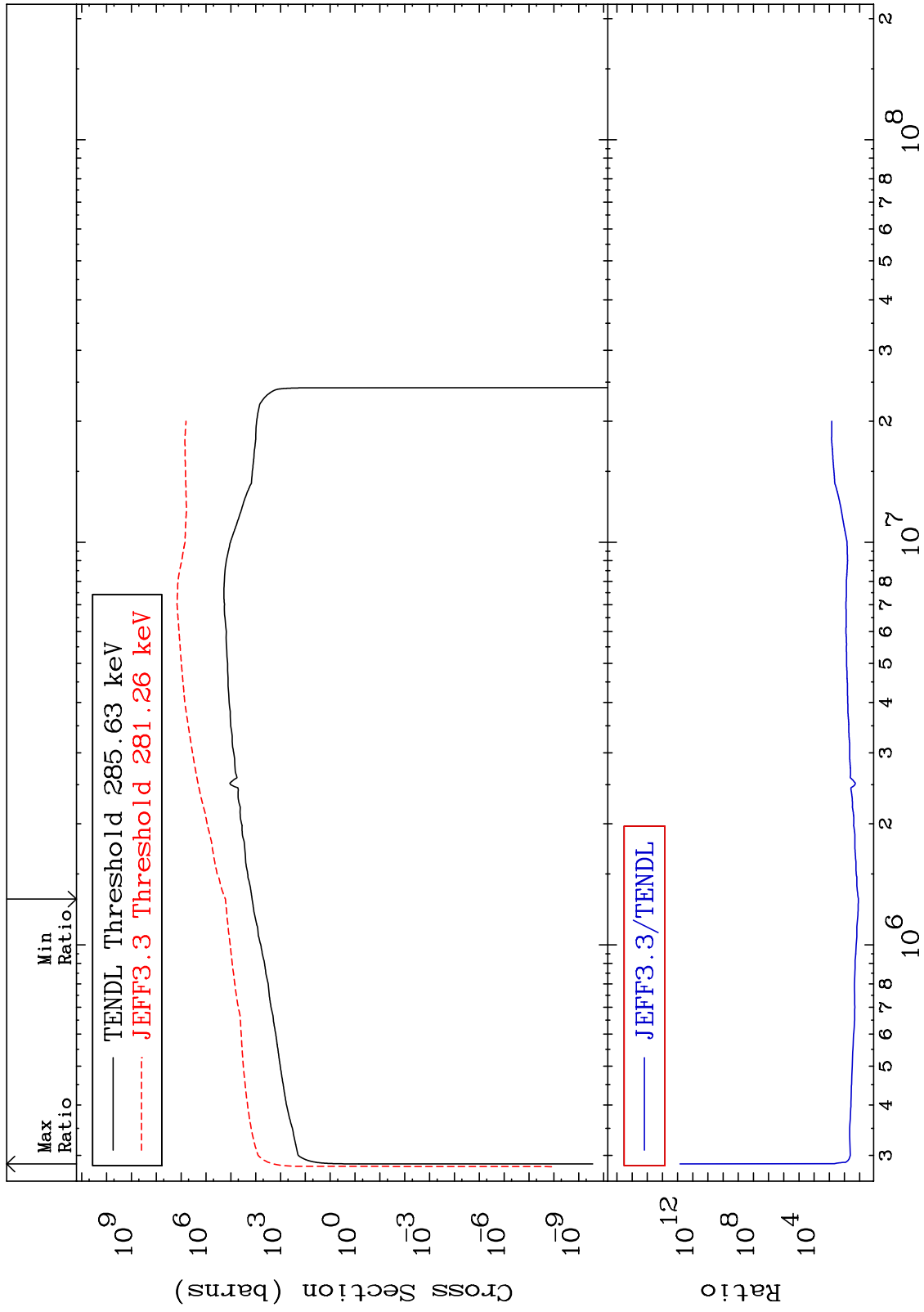
56-Ba-137  
-99.97 To 9999. %



MAT 5646

Kerma inelastic (mt51-91)  
Cross Section

56-Ba-137  
1096. To 9999. %



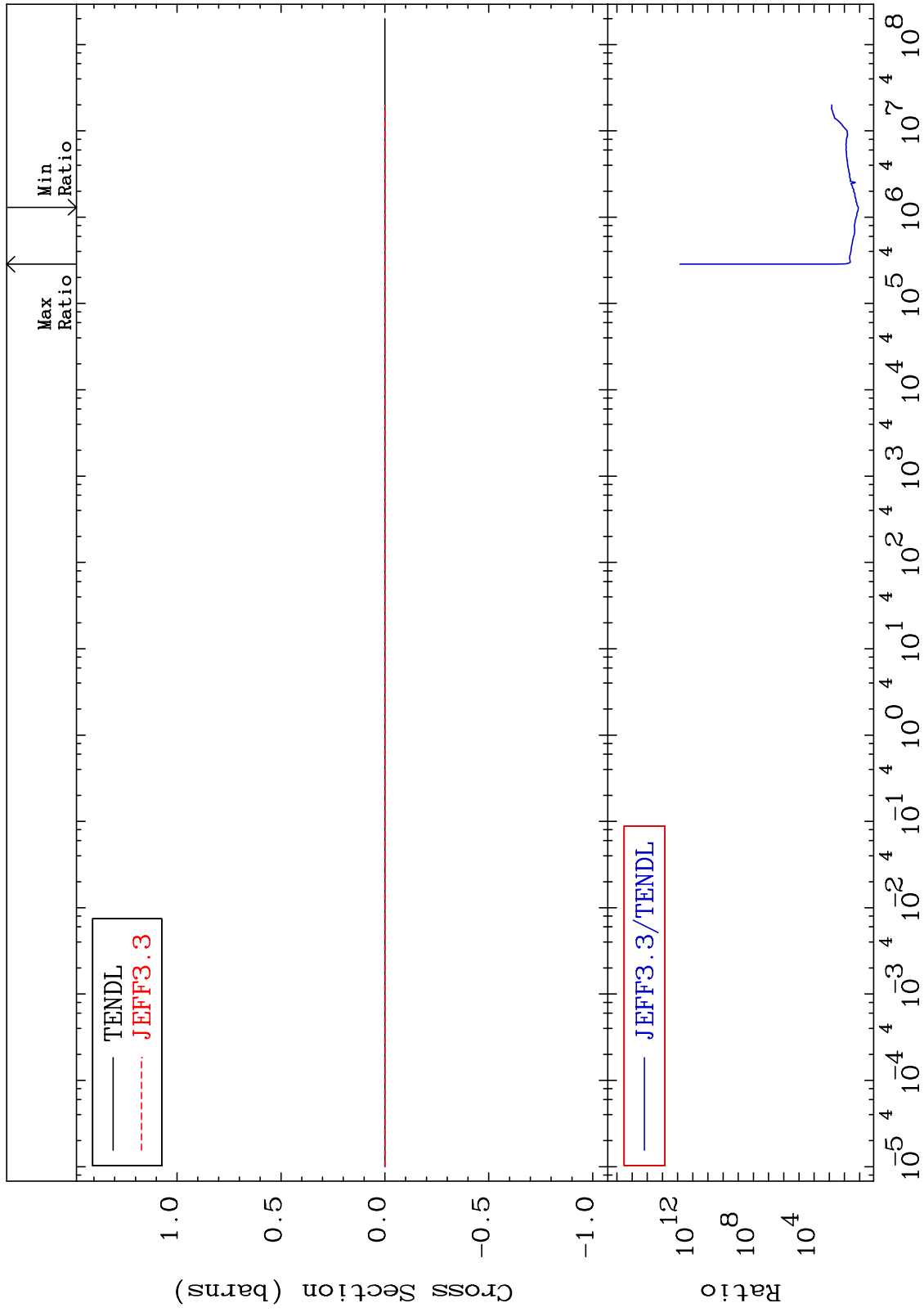
56-Ba-137

Incident Energy (eV)

MAT 5646

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

56-Ba-137  
1096. To 9999. %

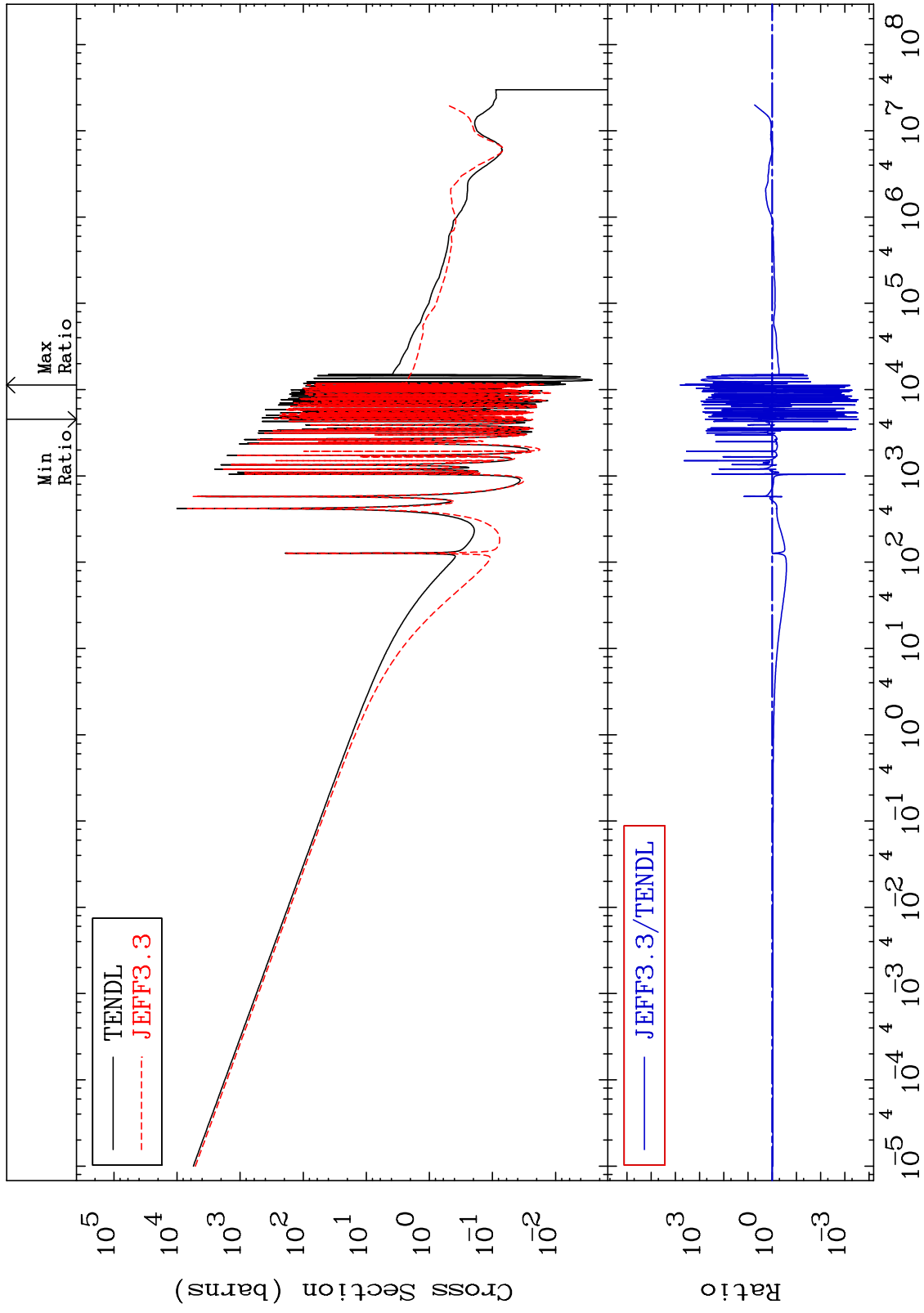




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Kerma capture (mt102)  
Cross Section

56-Ba-137  
-99.97 To 9999. %



32

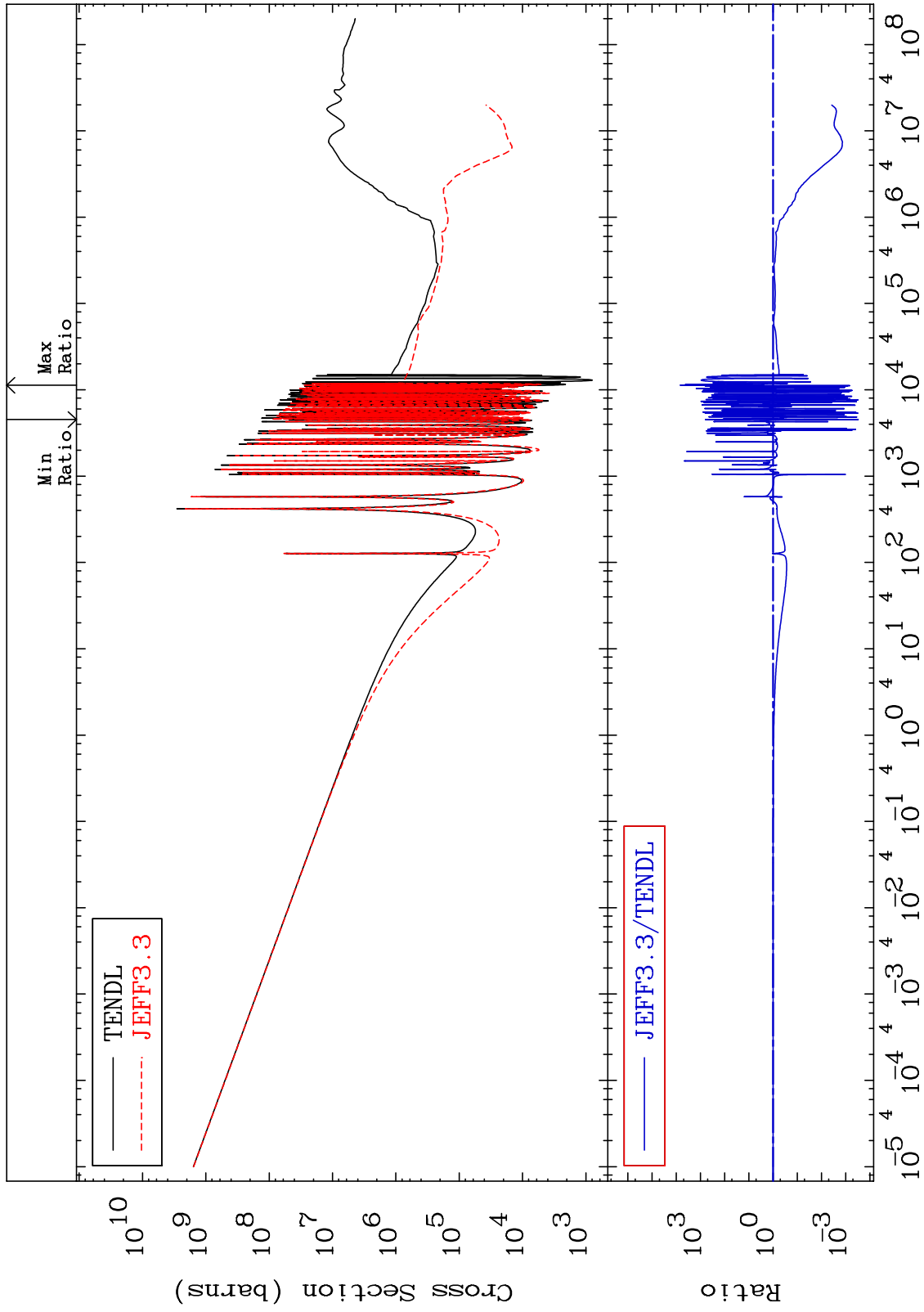
Incident Energy (eV)

56-Ba-137

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Total photon (eV-barns)  
Cross Section

56-Ba-137  
-99.97 To 9999. %



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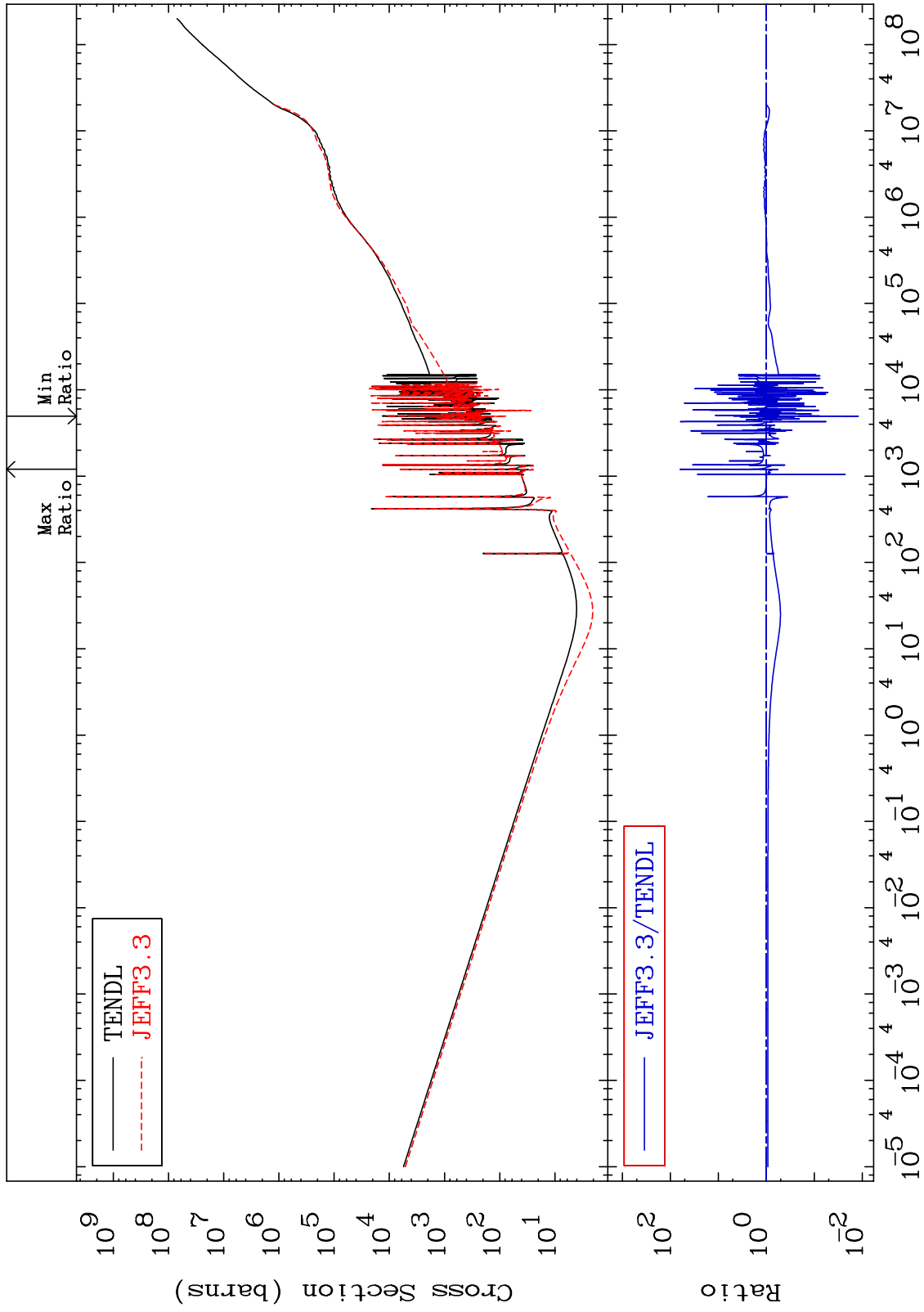
Incident Energy (eV)

56-Ba-137

MAT 5646

Total kinematic kerma (high limit)  
Cross Section

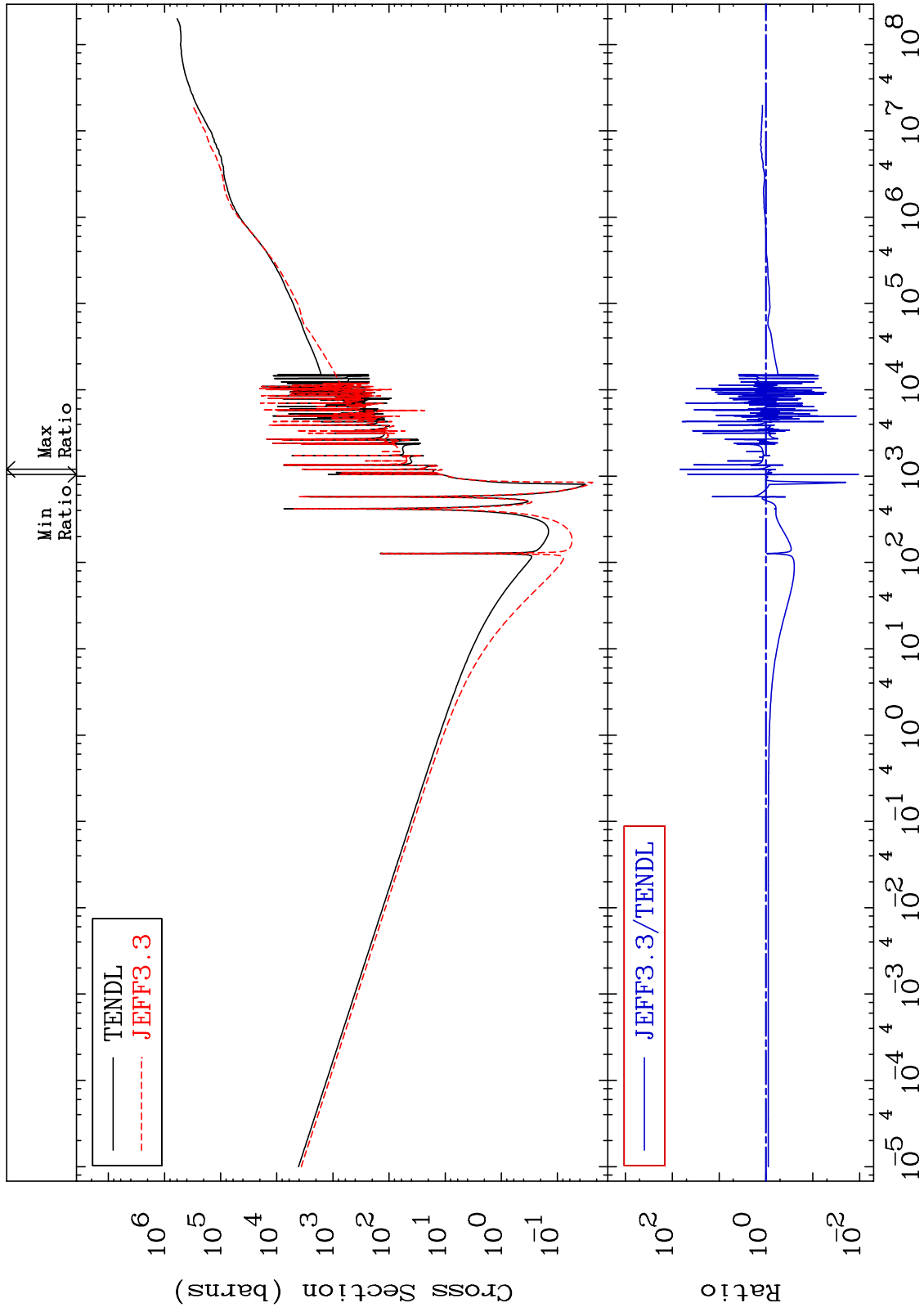
56-Ba-137  
-98.79 To 6199. %



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Dpa total (eV-barns)  
Cross Section

56-Ba-137  
-98.94 To 6739. %



35

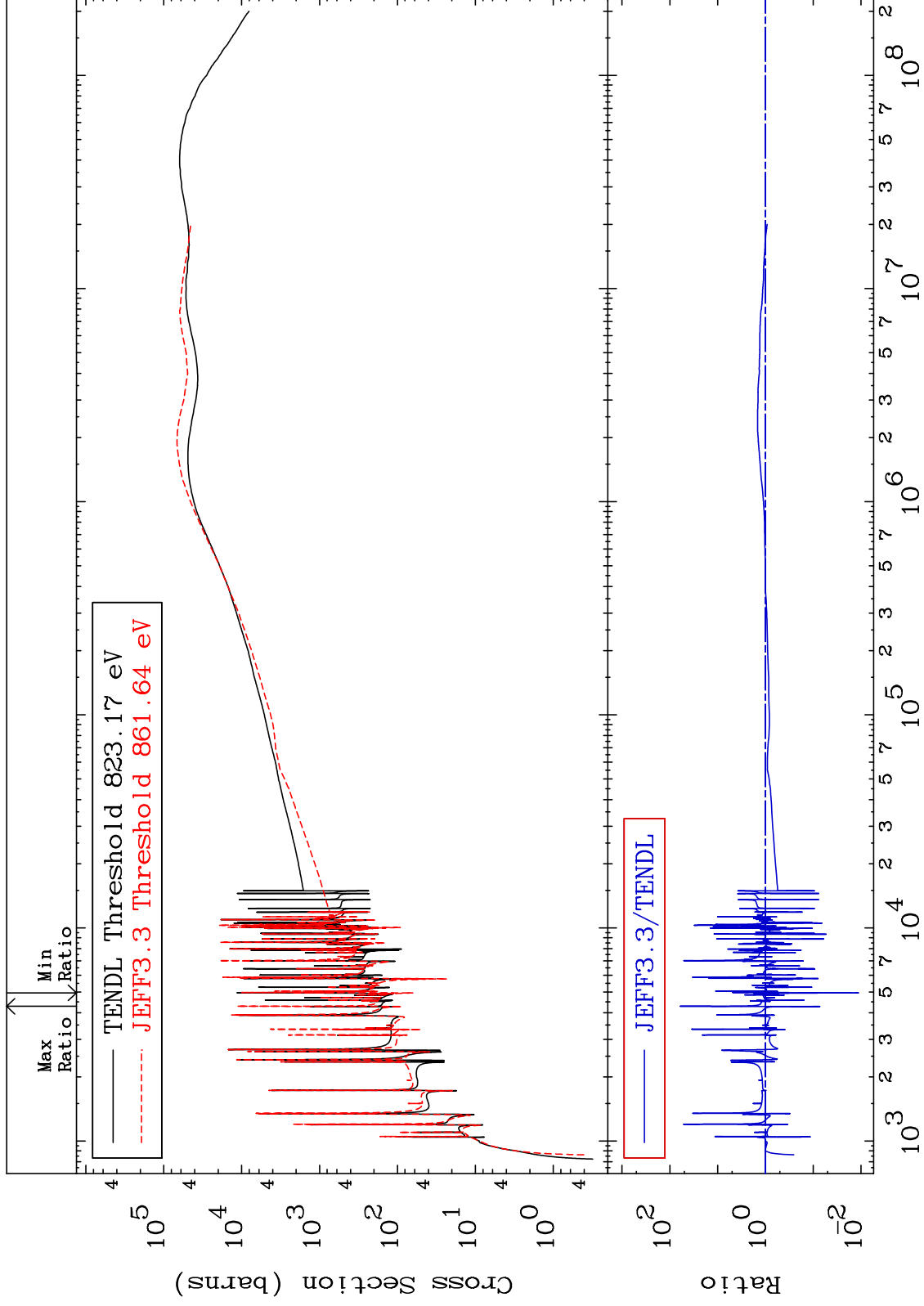
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa elastic (mt2)  
Cross Section

56-Ba-137  
-98.87 To 6022. %



36

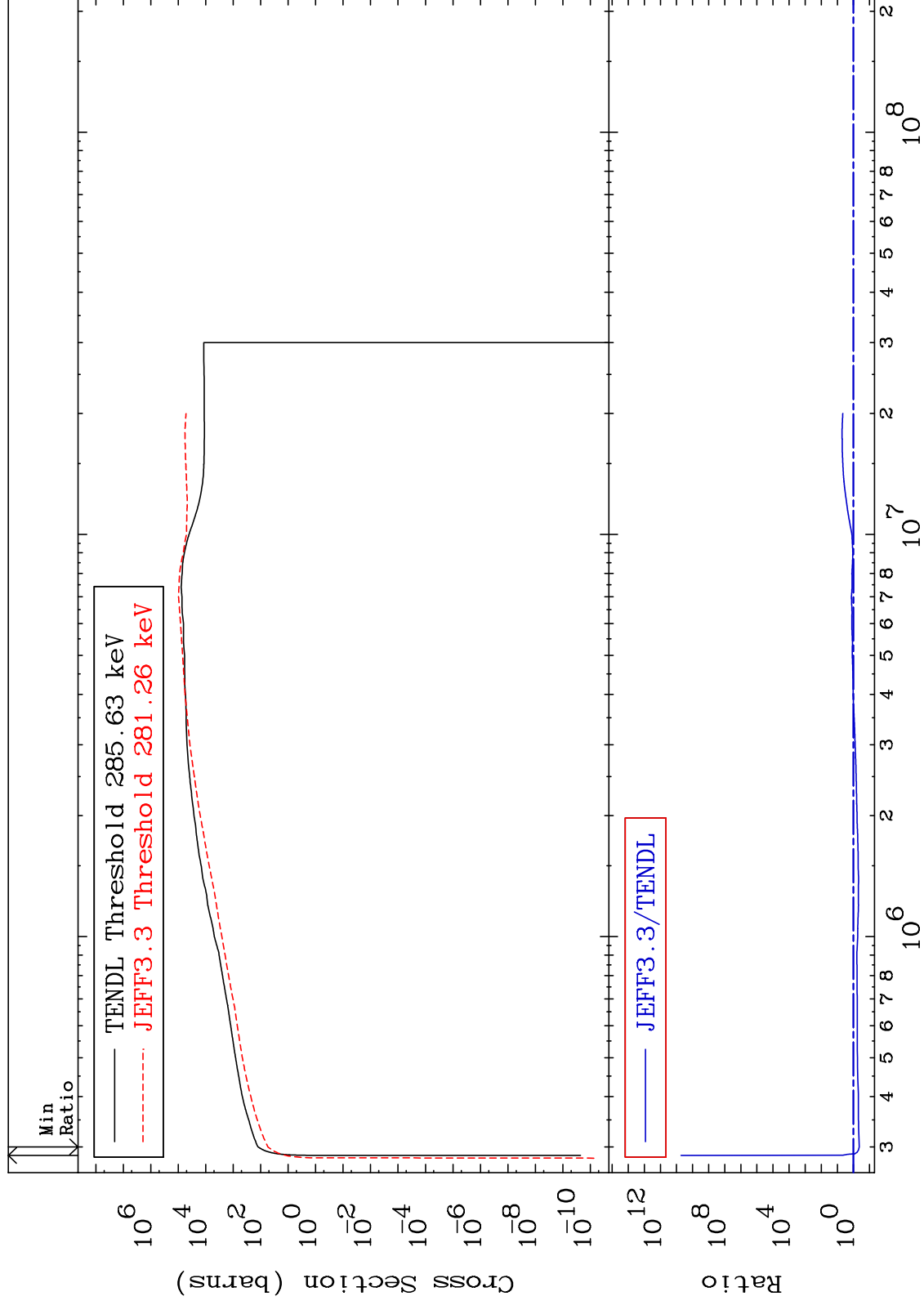
Incident Energy (eV)

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. %

