

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

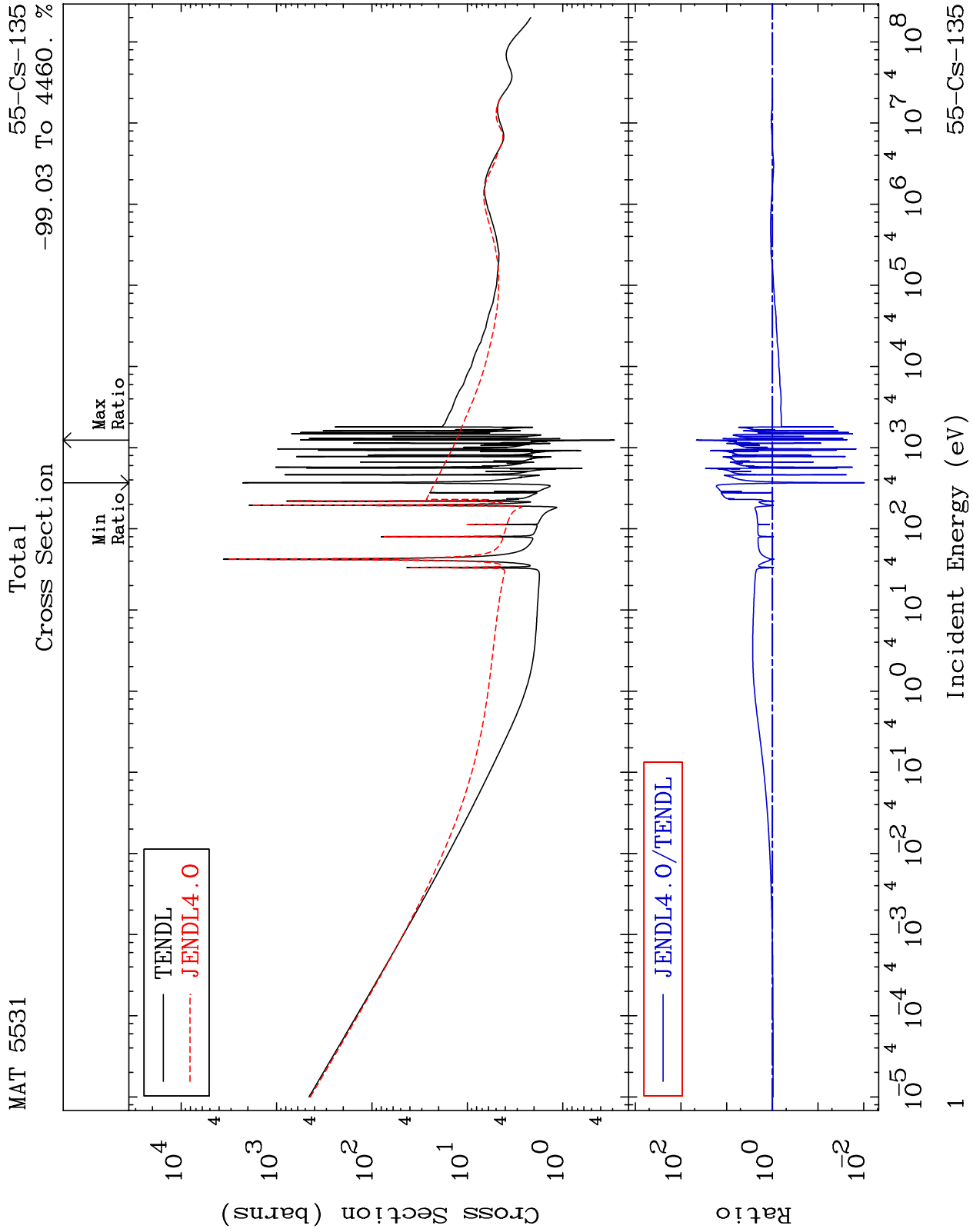
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

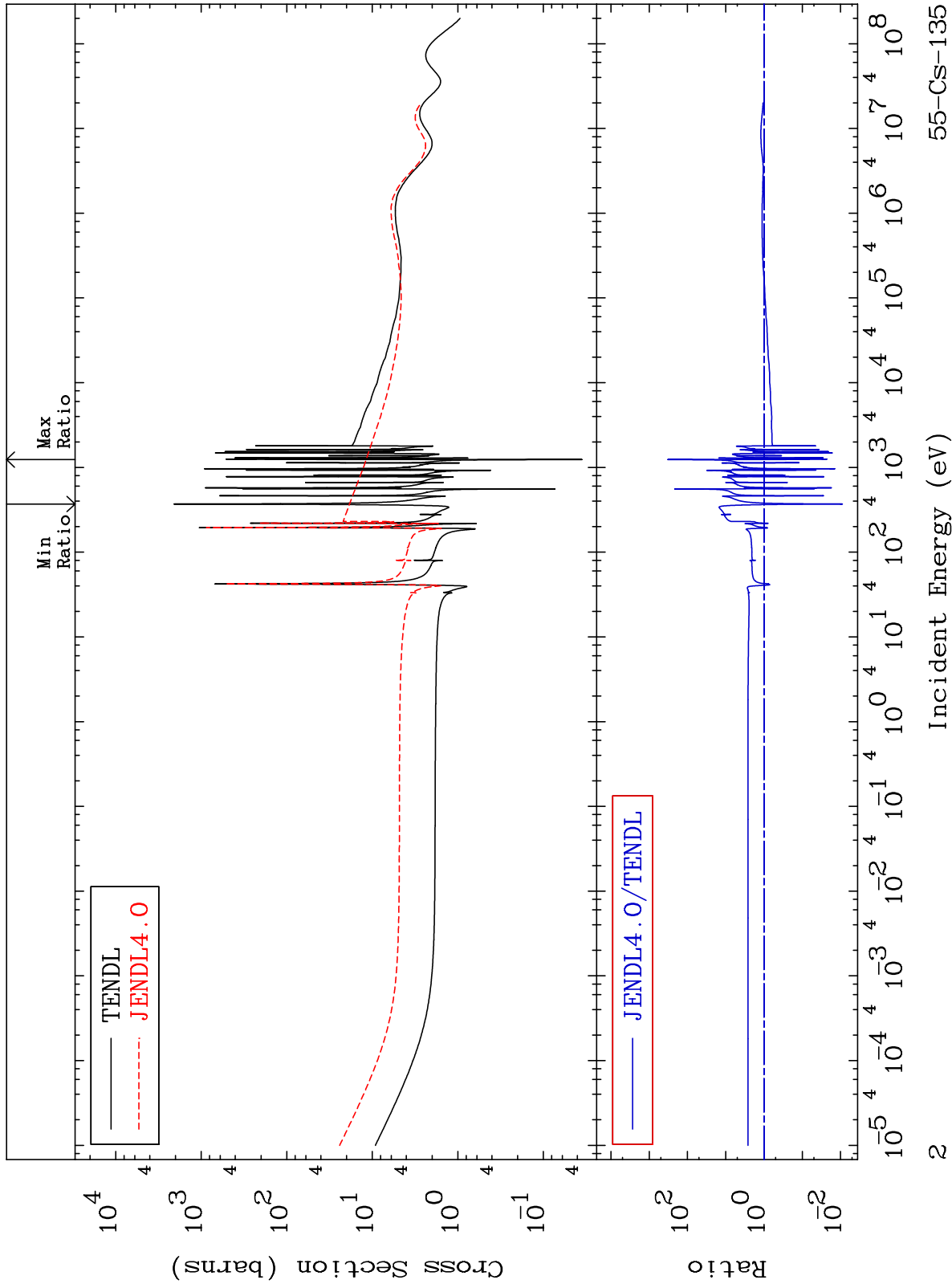
Press Mouse Button to Start



MAT 5531

Elastic  
Cross Section

55-Cs-135  
-99.12 To 9999. %



55-Cs-135

Incident Energy (eV)

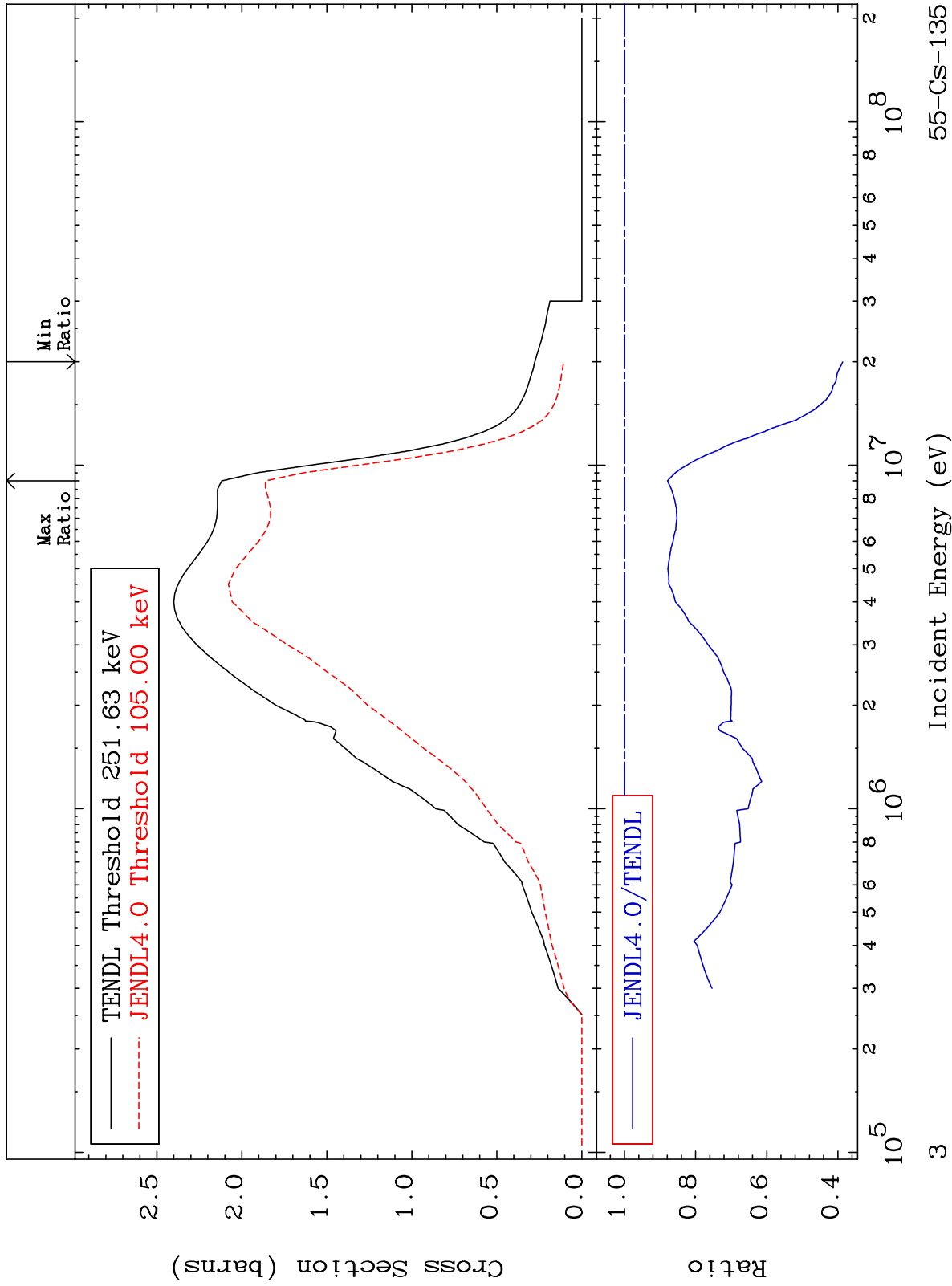
MAT 5531

55-Cs-135

Inelastic

Cross Section

-61.36 To -12.10%



55-Cs-135

Incident Energy (eV)

3

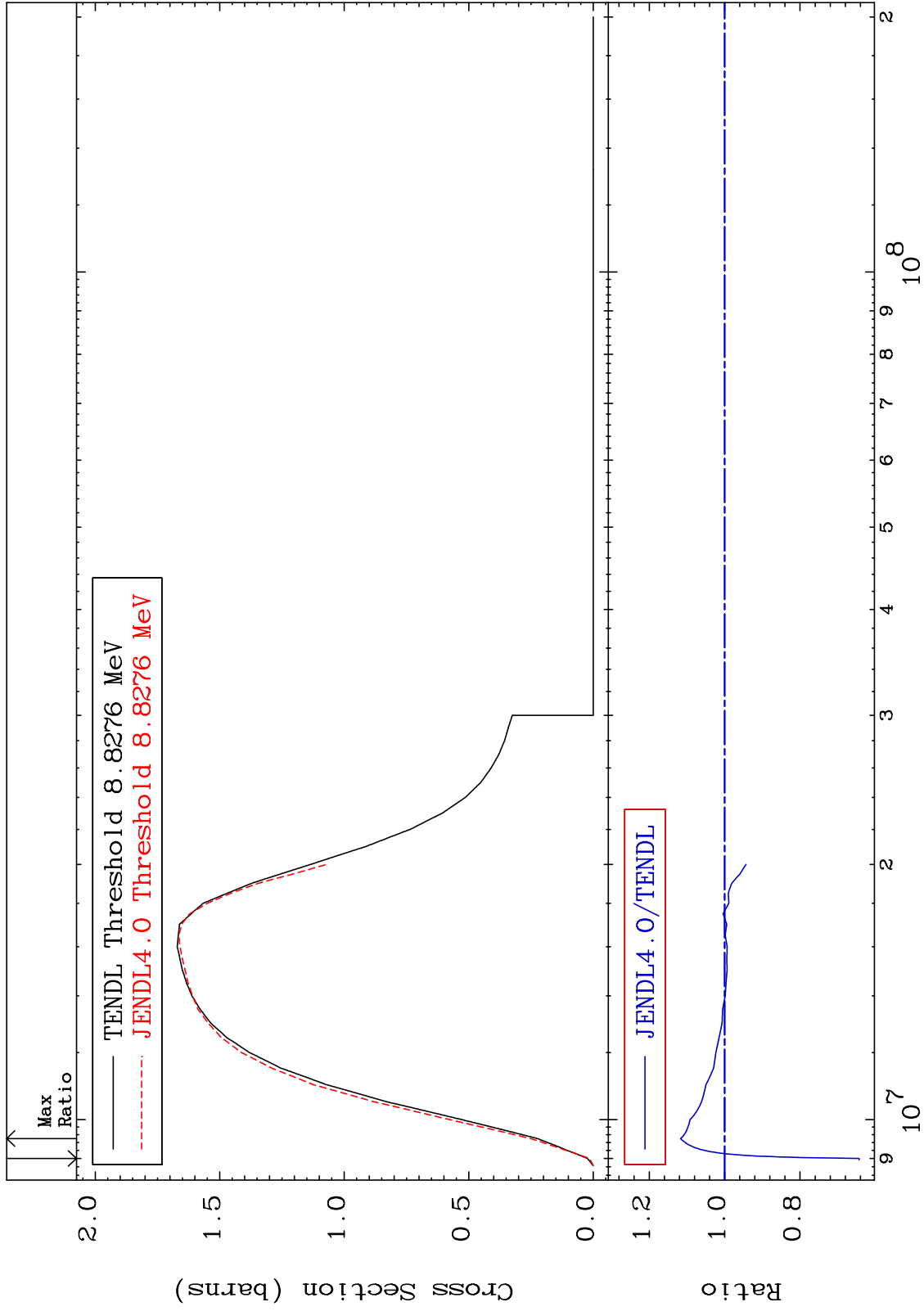
MAT 5531

(n,2n)

55-Cs-135

Cross Section

-35.67 To 11.68 %



55-Cs-135

Incident Energy (eV)

4

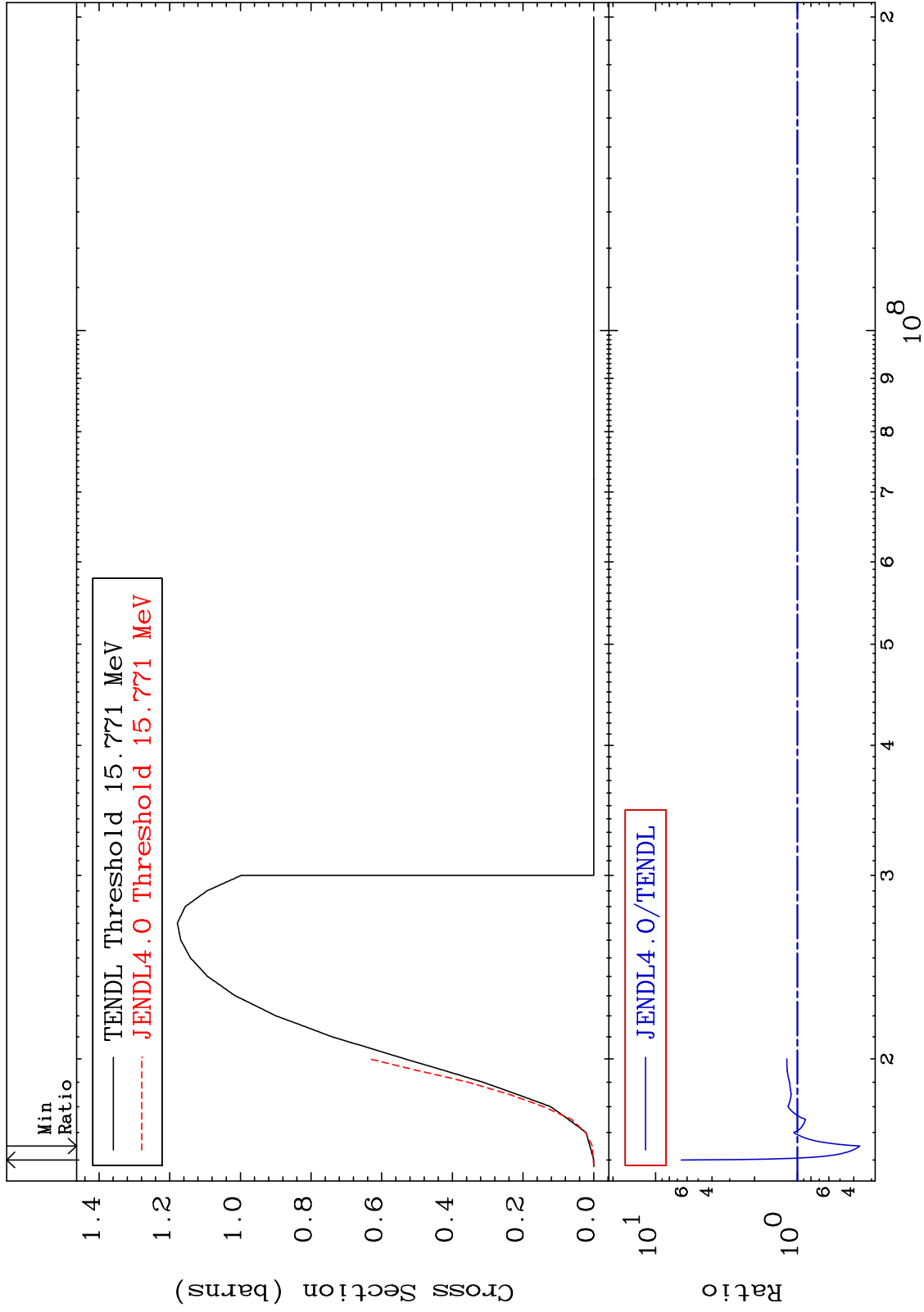
MAT 5531

(n, 3n)

55-Cs-135

Cross Section

-63.84 To 559.2 %



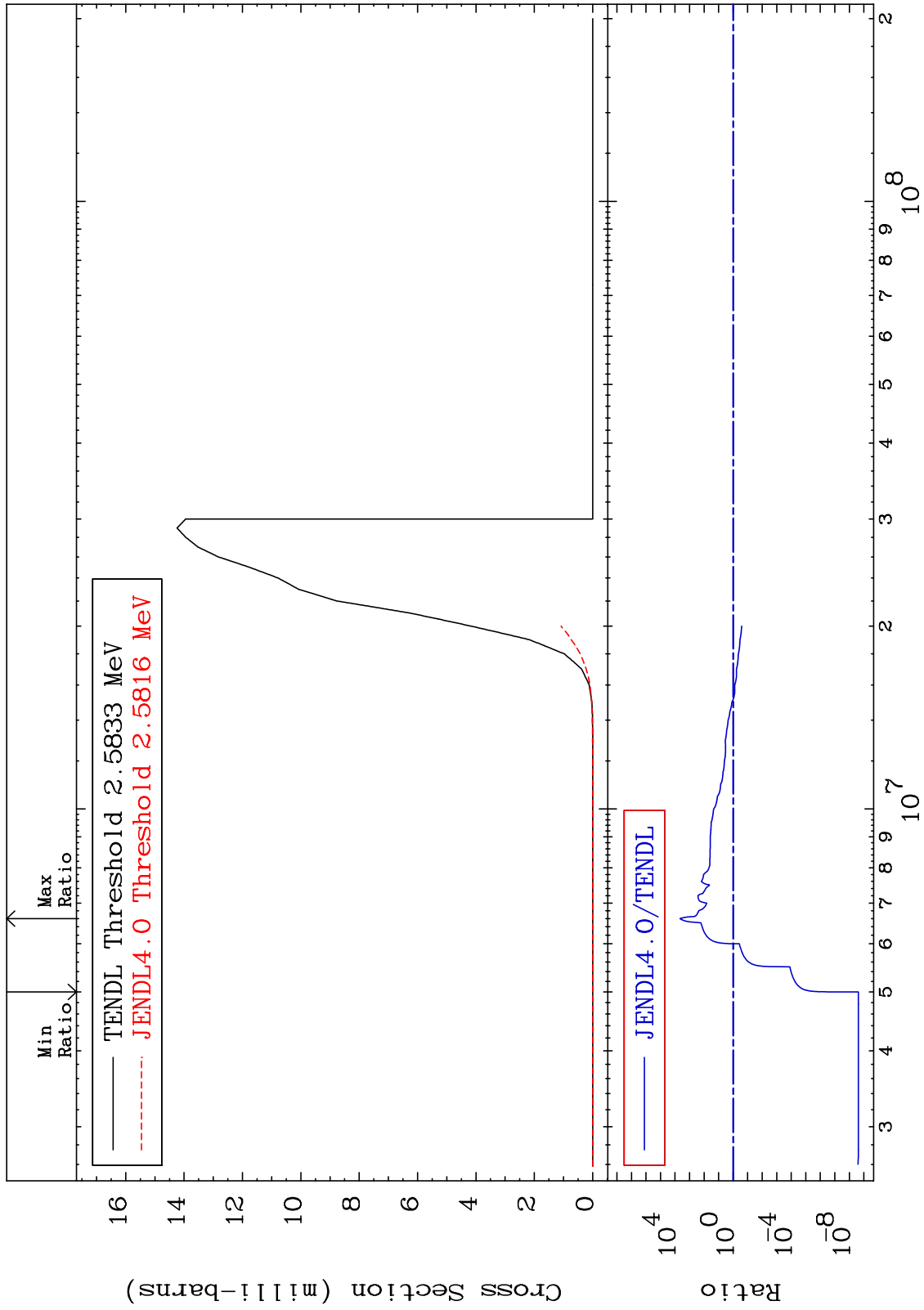
MAT 5531

(n,n')  $\alpha$

55-Cs-135

Cross Section

-100.0 To 9999. %



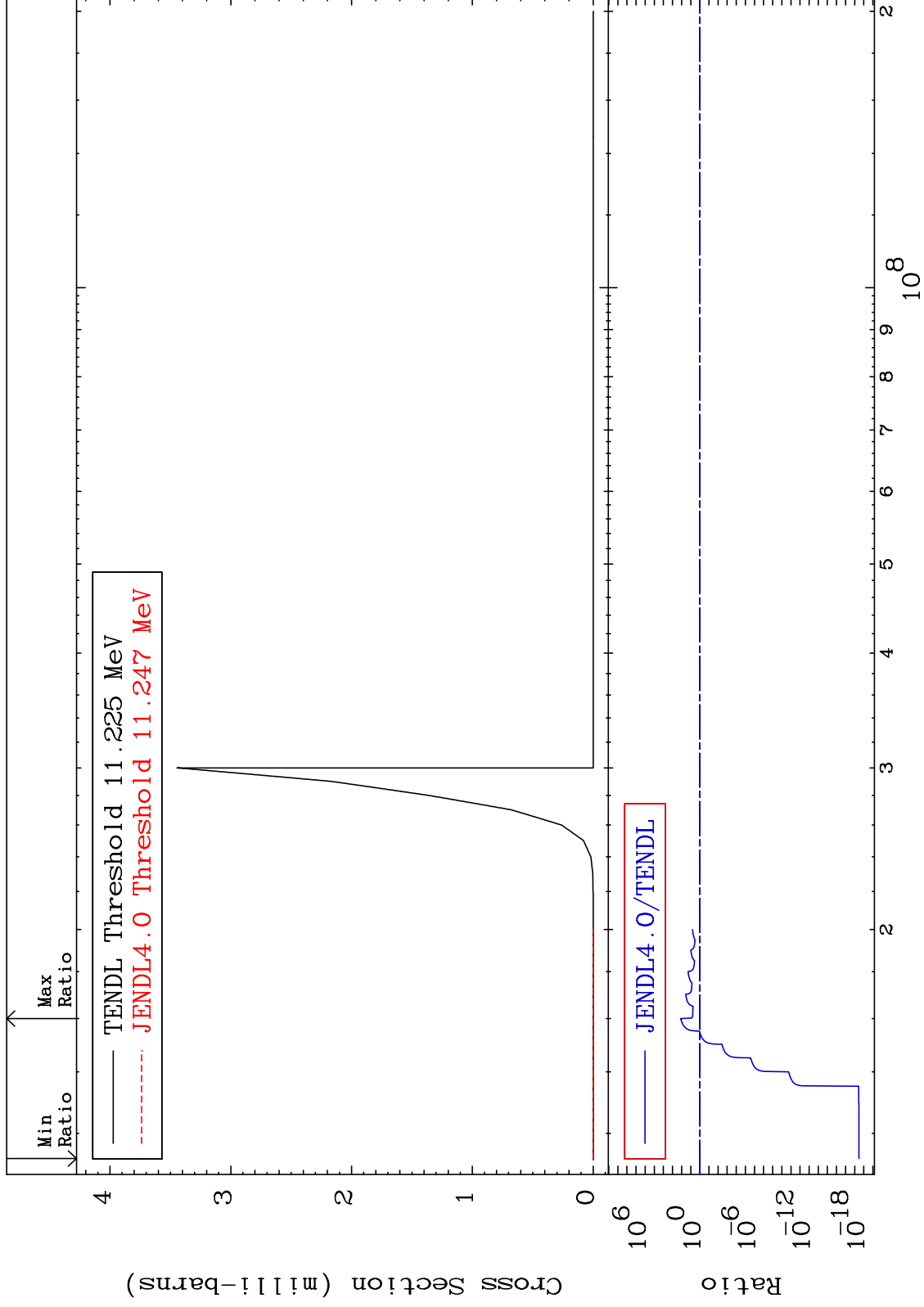
MAT 5531

(n,2n)  $\alpha$

55-Cs-135

Cross Section

-100.0 To 9999. %

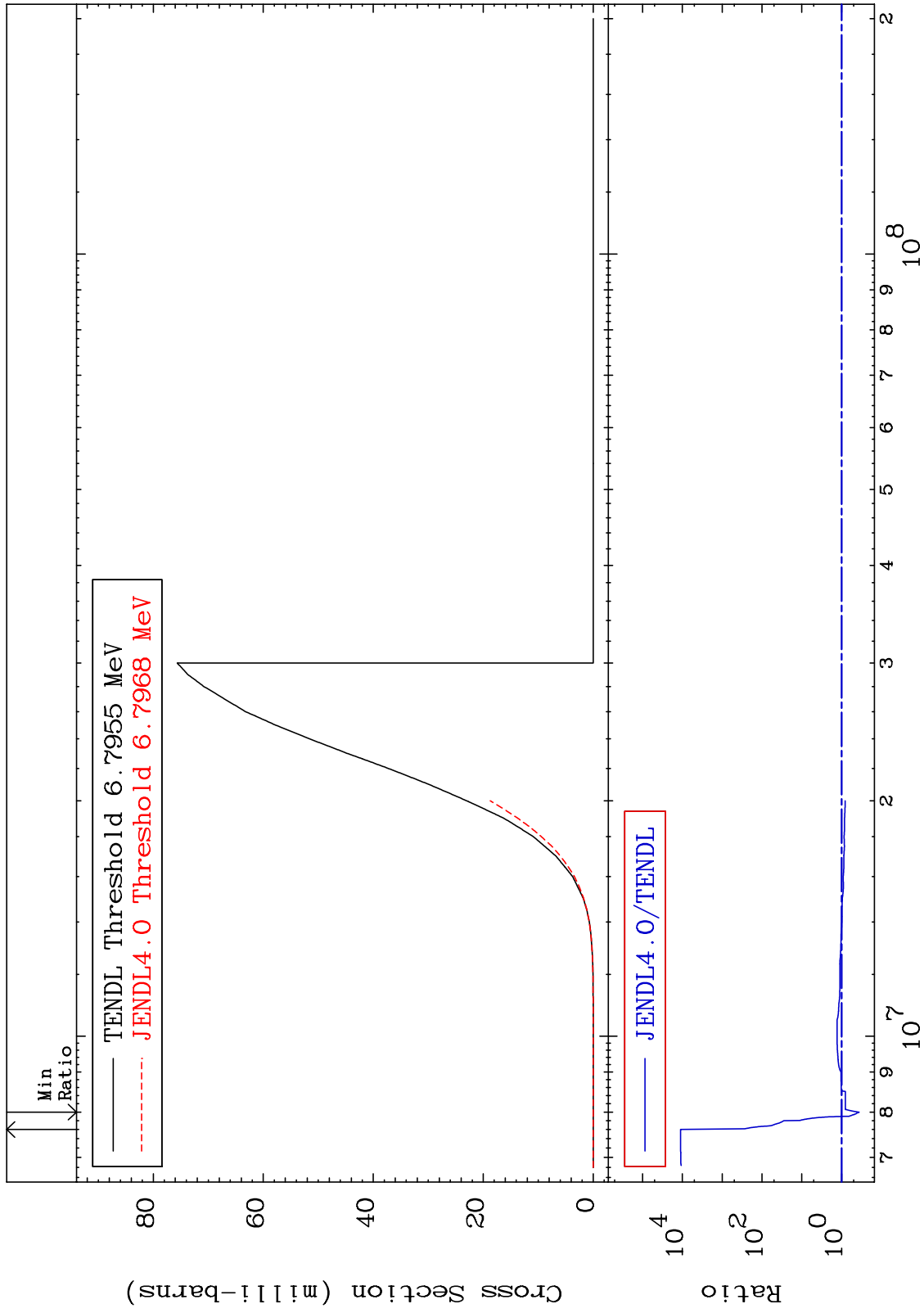




MAT 5531

(n,n') p  
Cross Section

55-Cs-135  
-63.73 To 9999. %



8

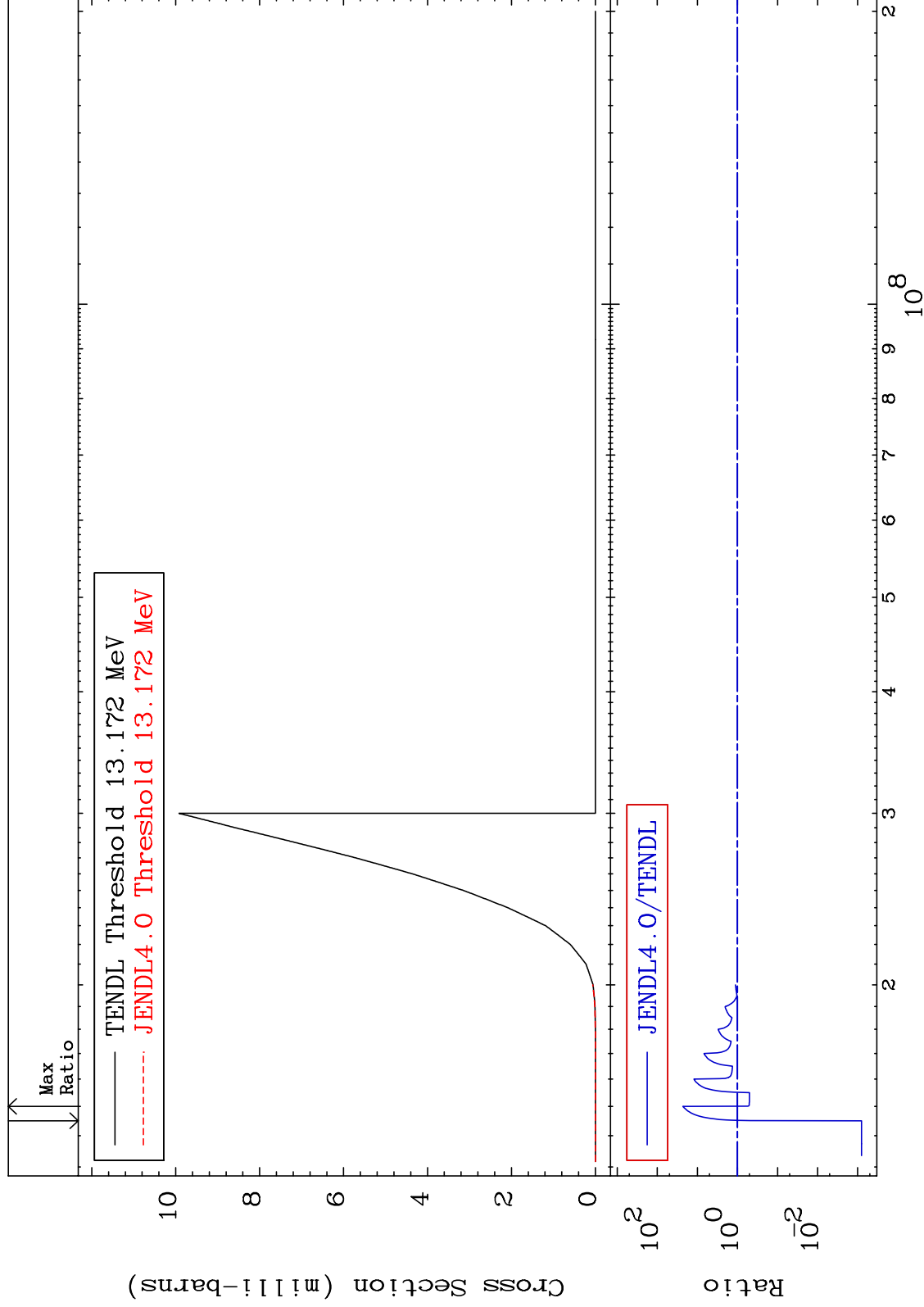
Incident Energy (eV)

55-Cs-135

MAT 5531

(n,n') d  
Cross Section

55-Cs-135  
-99.92 To 2205. %



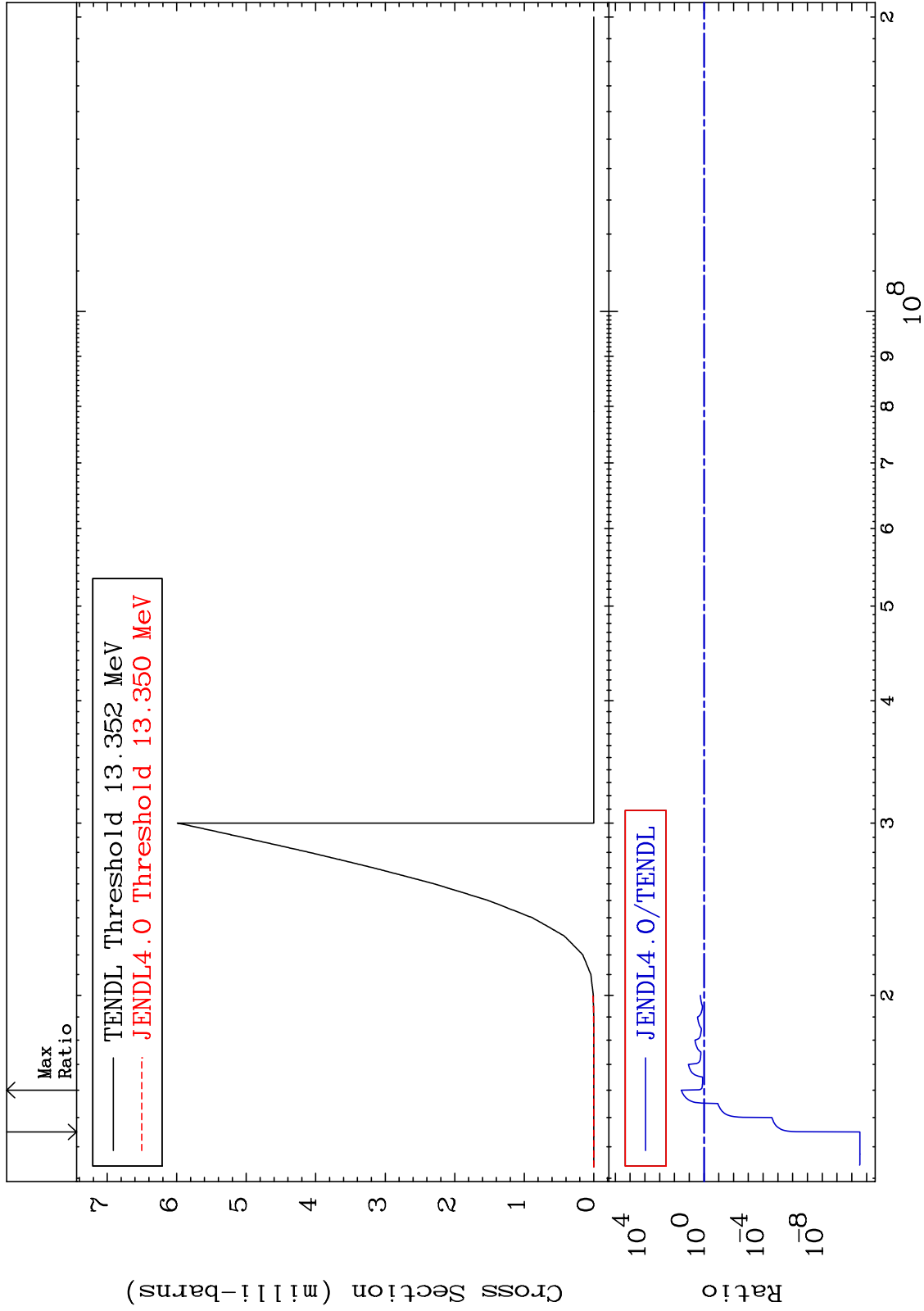
MAT 5531

(n,n') t

55-Cs-135

Cross Section

-100.0 To 3375. %



10

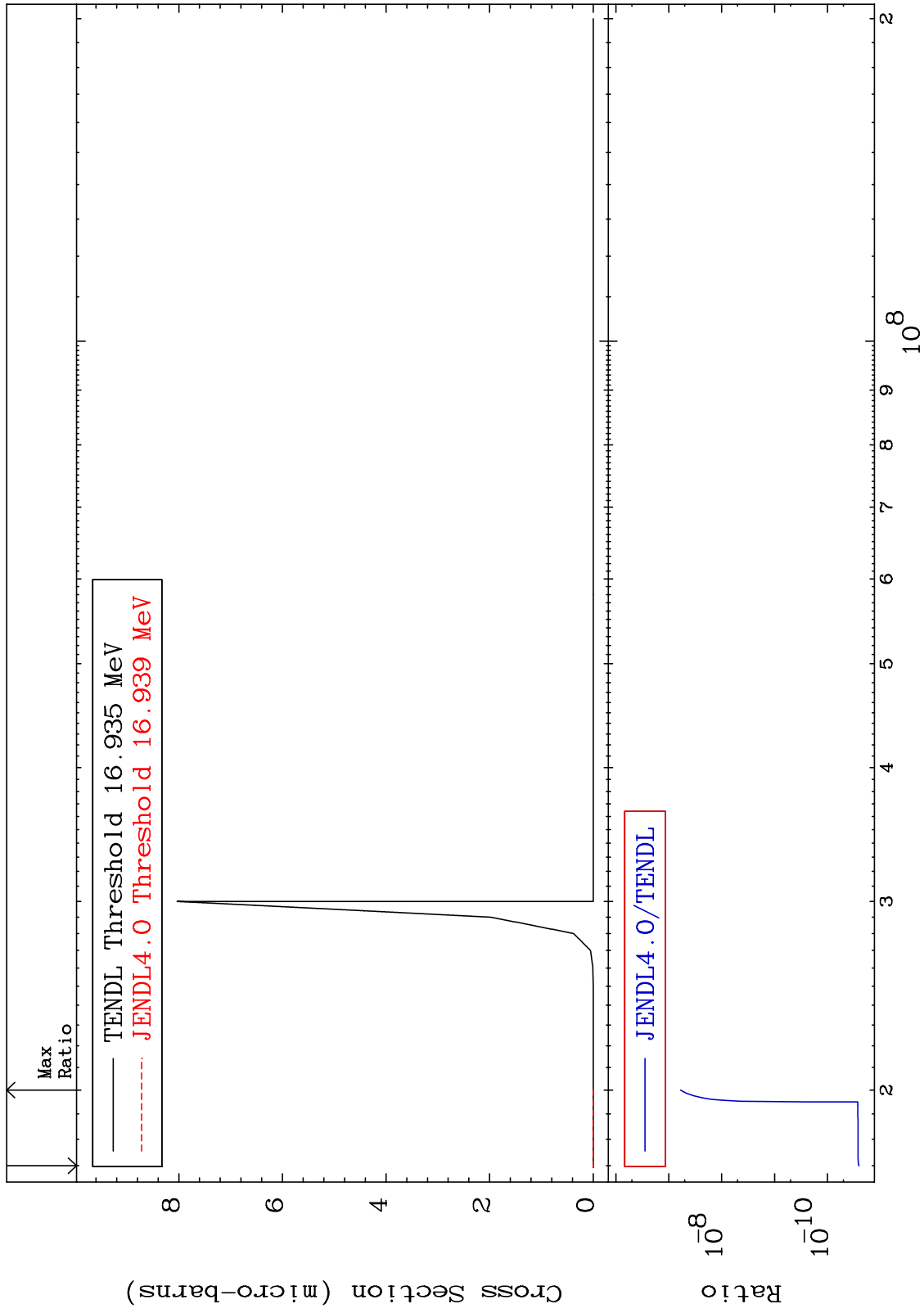
Incident Energy (eV)

55-Cs-135

MAT 5531

(n, n') He-3  
Cross Section

55-Cs-135  
-100.0 To -100.0%



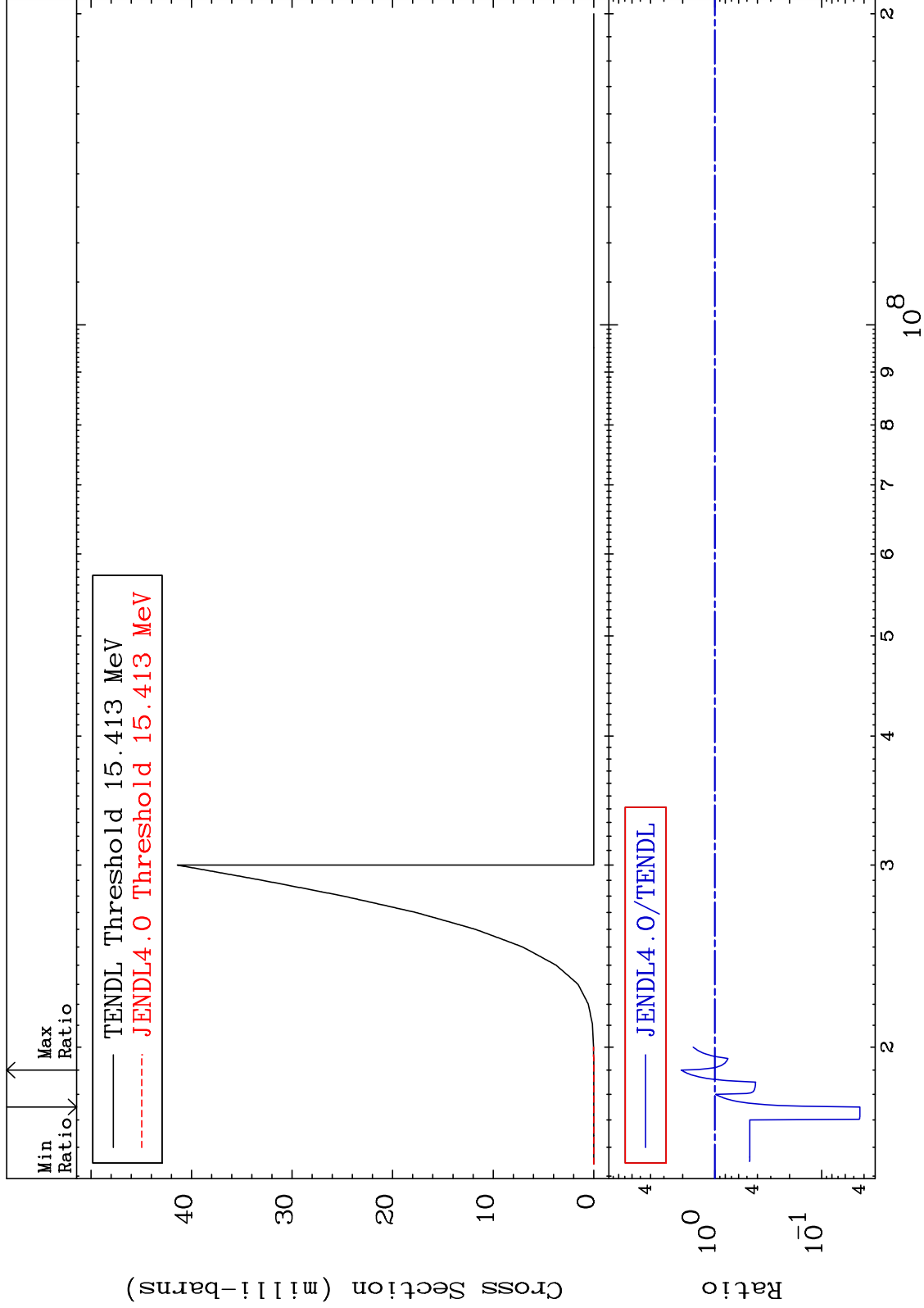
MAT 5531

(n,2n) p

55-Cs-135

Cross Section

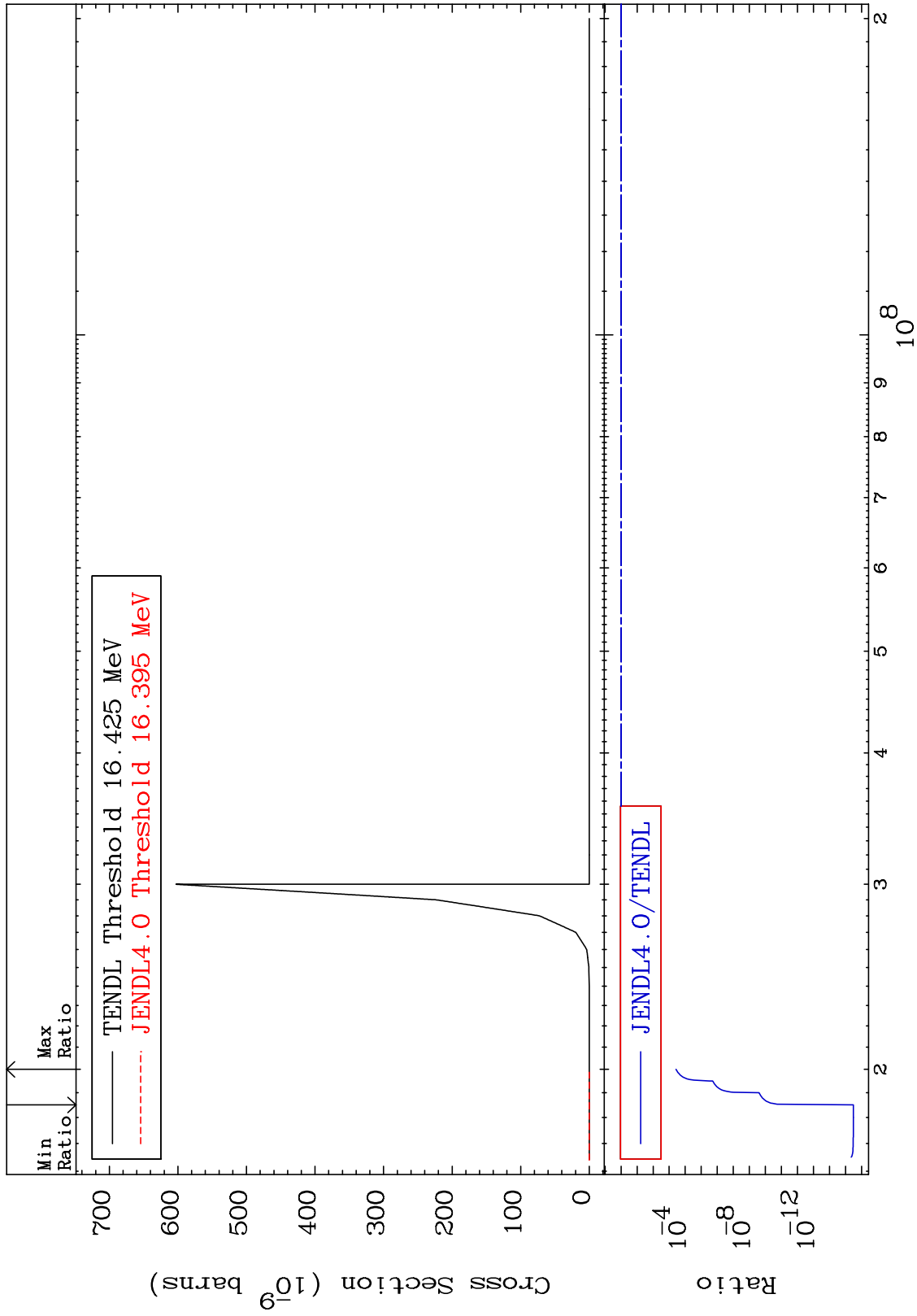
-95.63 To 106.9 %



MAT 5531

(n,2n) p  
Cross Section

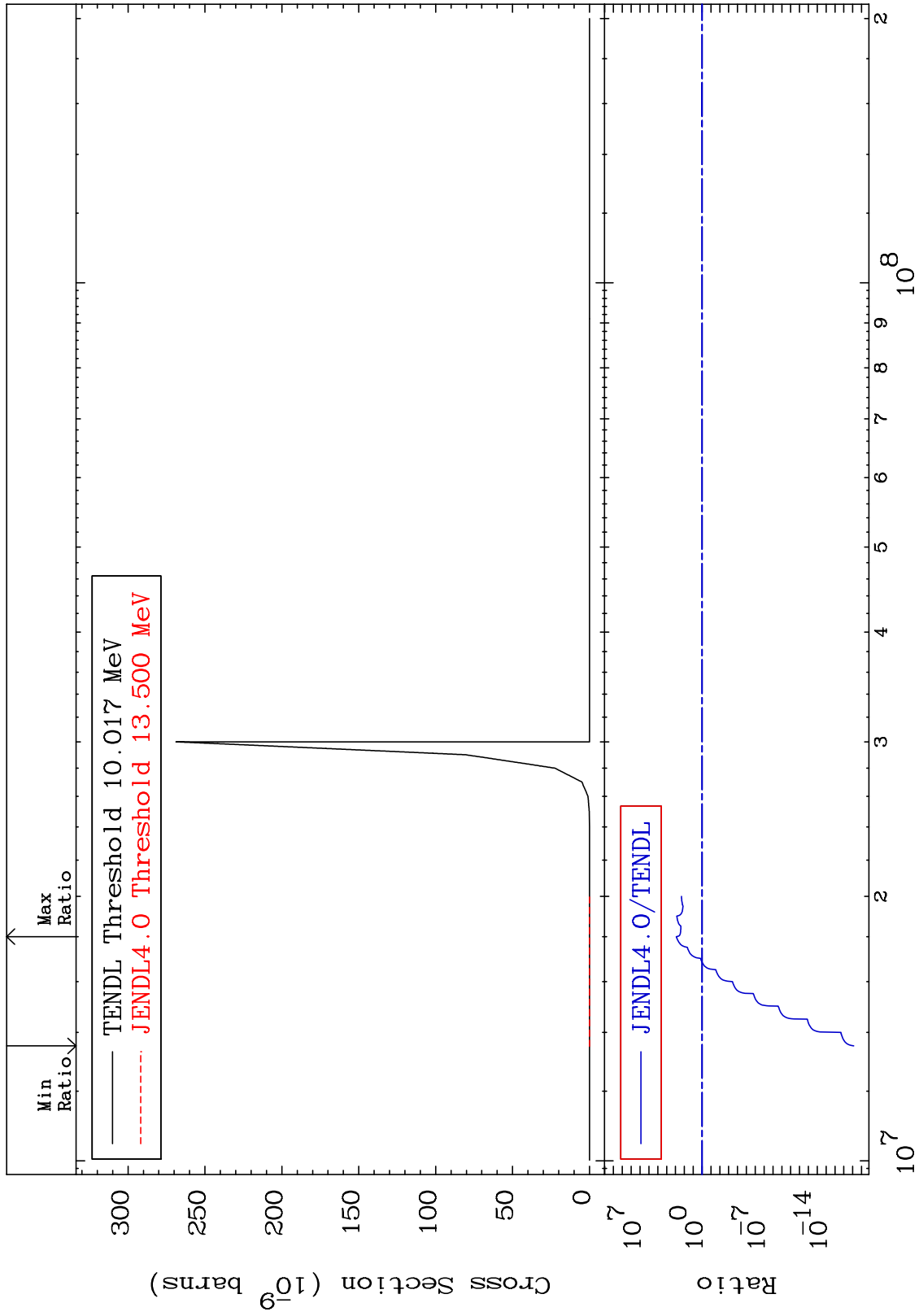
55-Cs-135  
-100.0 To -99.96%



MAT 5531

(n,n') p  $\alpha$   
Cross Section

55-Cs-135  
-100.0 To 9999. %



14

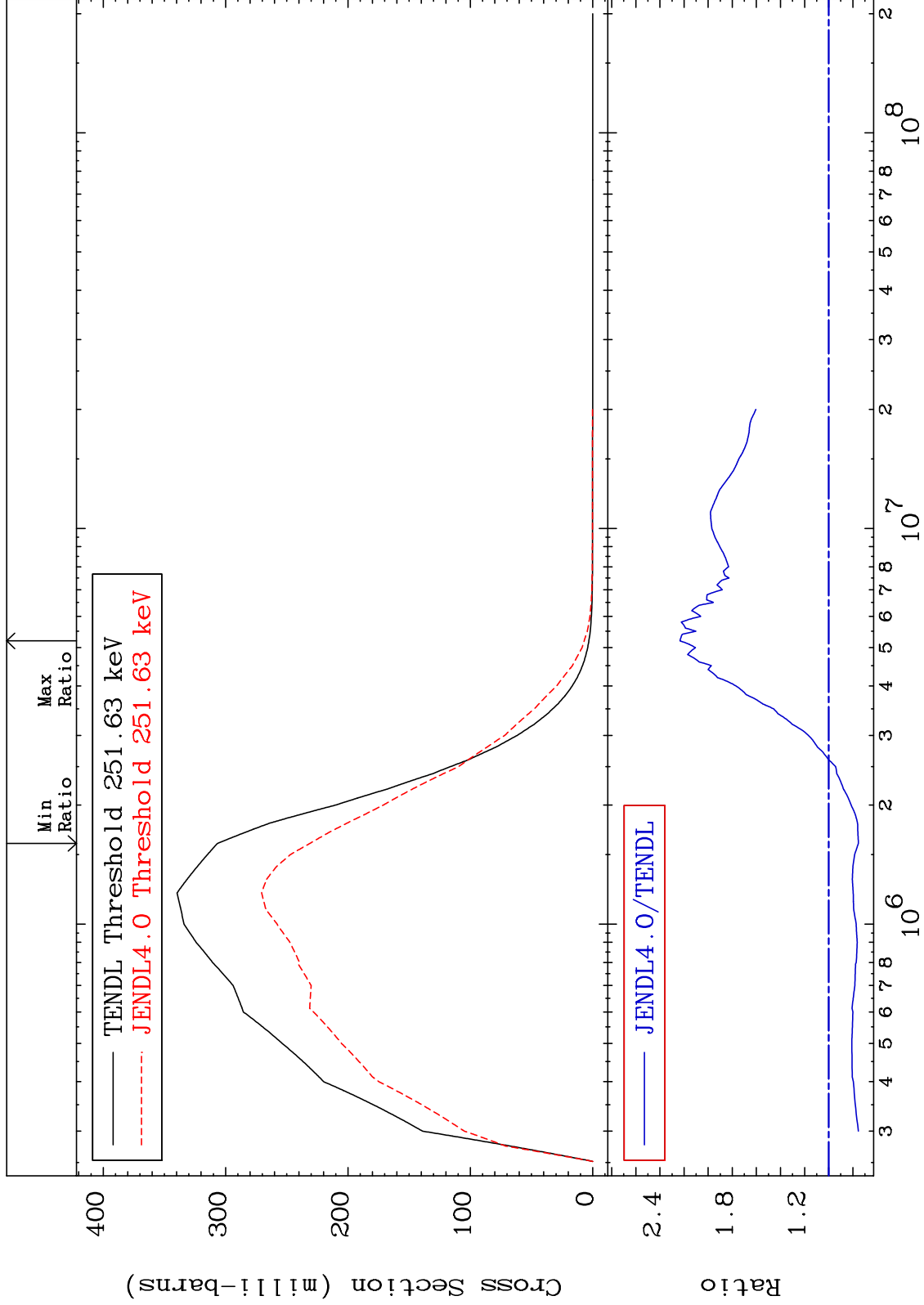
Incident Energy (eV)

55-Cs-135

MAT 5531

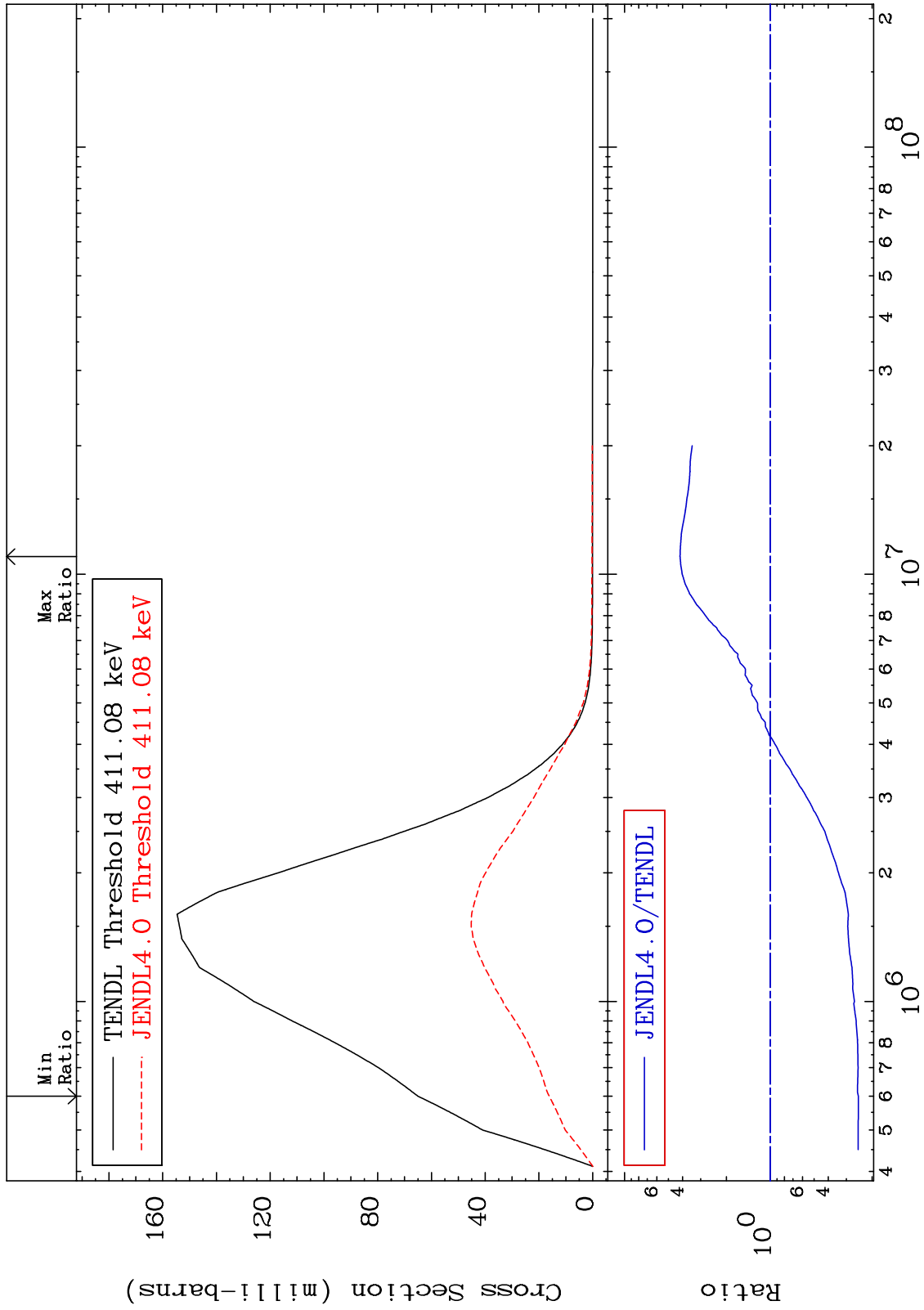
MT= 51 (n,n') Level  
Cross Section

55-Cs-135  
-24.63 To 123.3 %





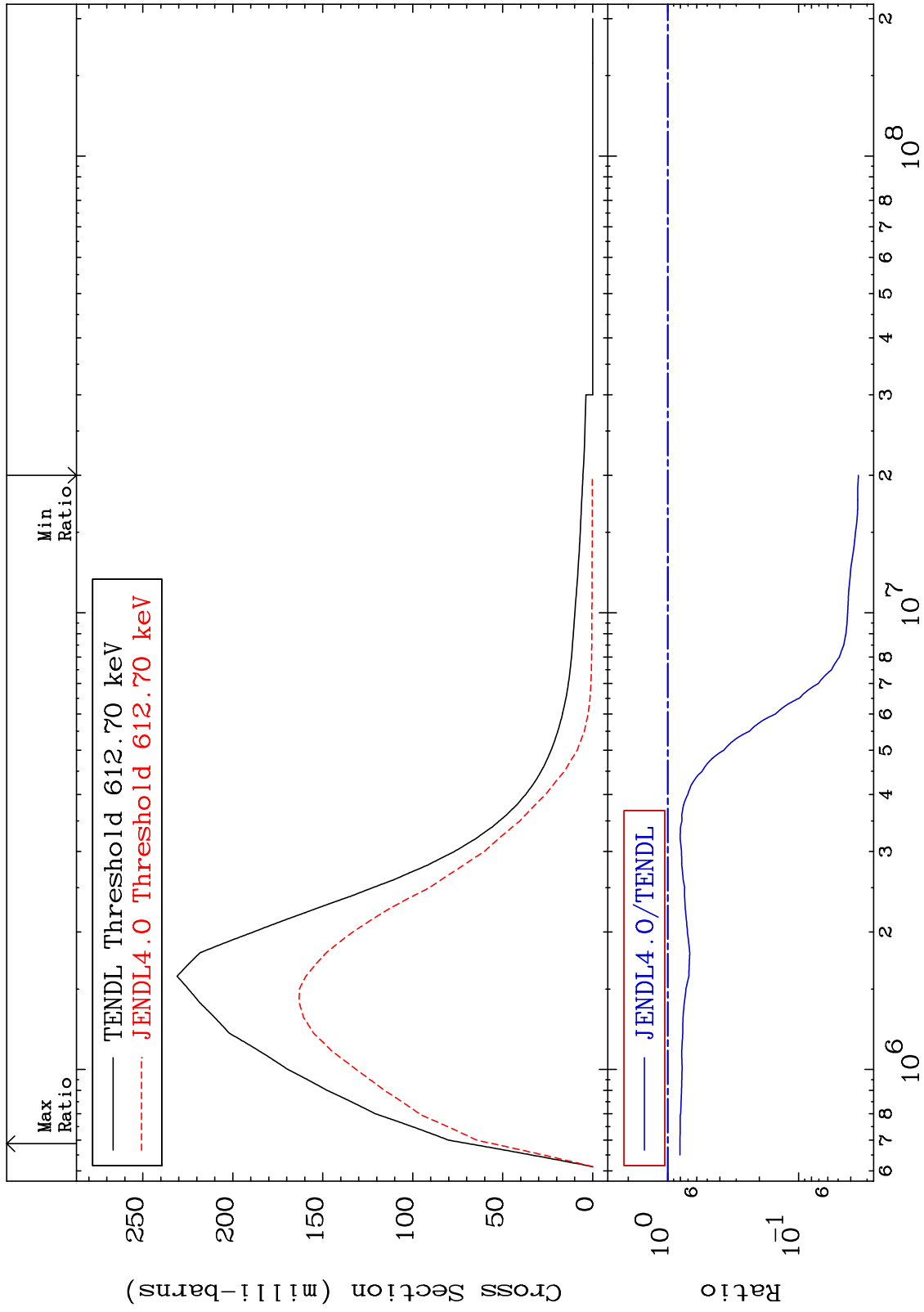
MAT 5531 MT= 52 (n, n') Level Cross Section 55-Cs-135 -75.16 To 316.5 %



MAT 5531

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

55-Cs-135  
-96.50 To -19.48%



17

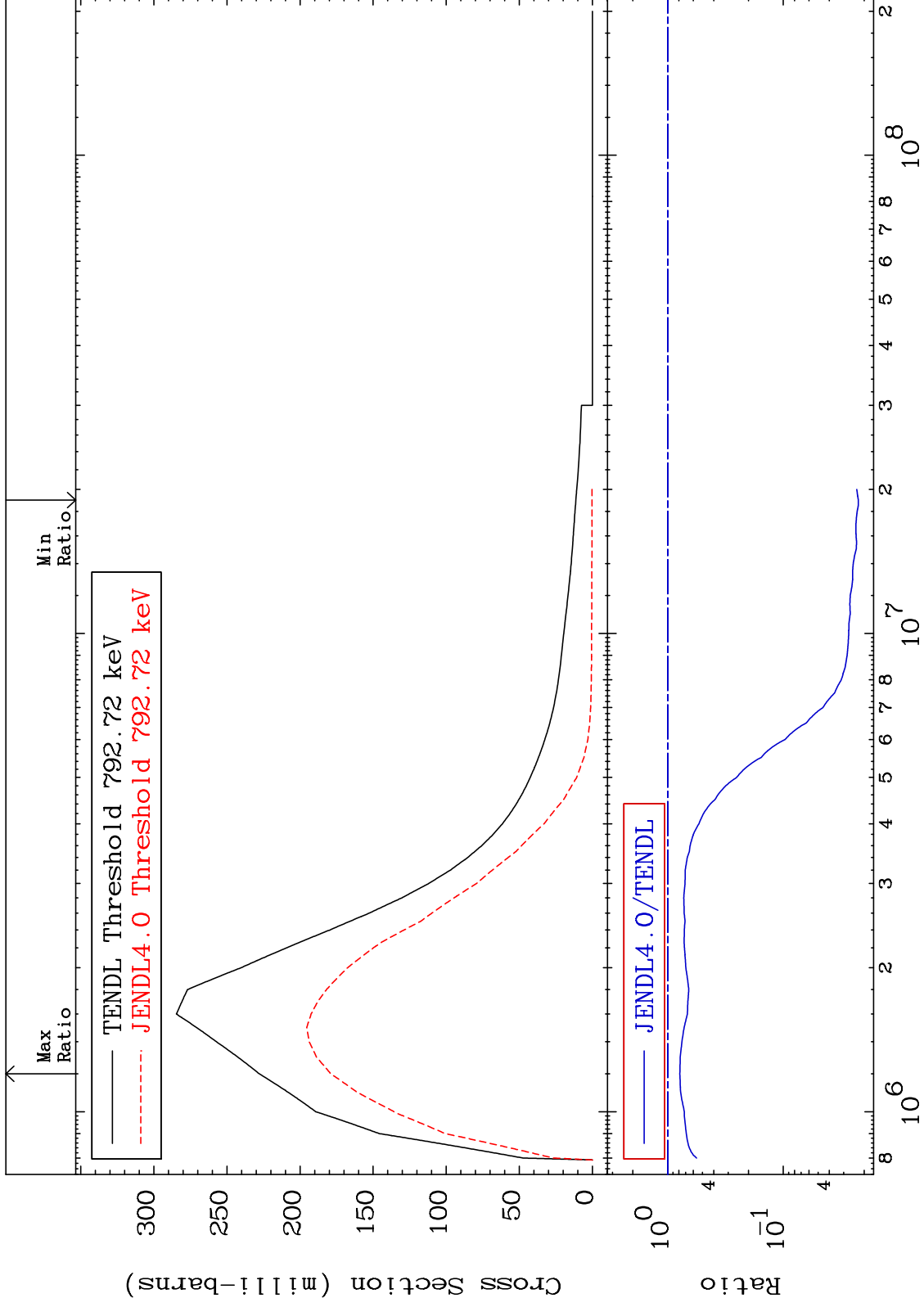
Incident Energy (eV)

55-Cs-135

MAT 5531

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

55-Cs-135  
-97.76 To -21.44%



18

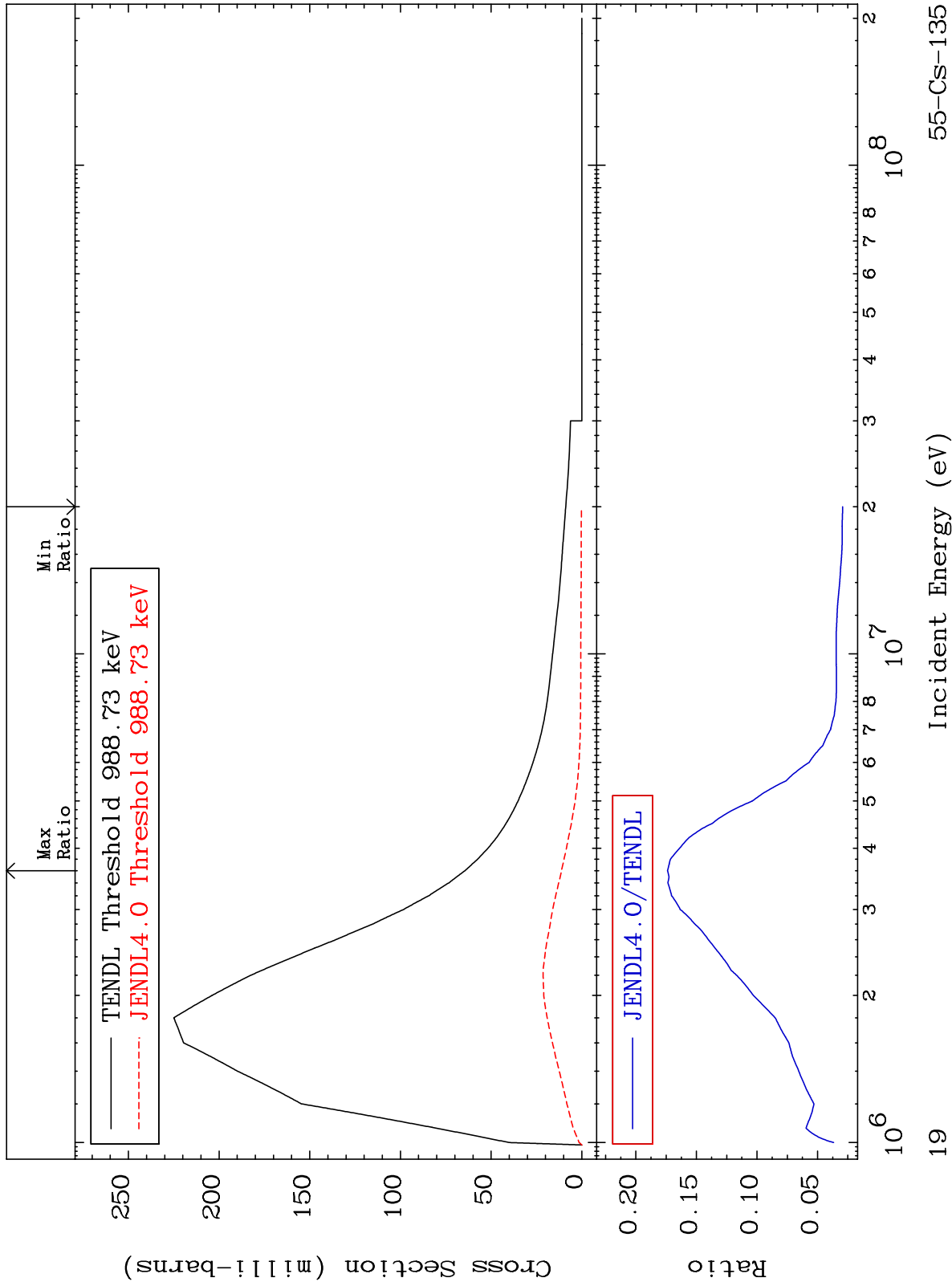
55-Cs-135

55-Cs-135

MAT 5531

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

55-Cs-135  
-97.07 To -82.61%

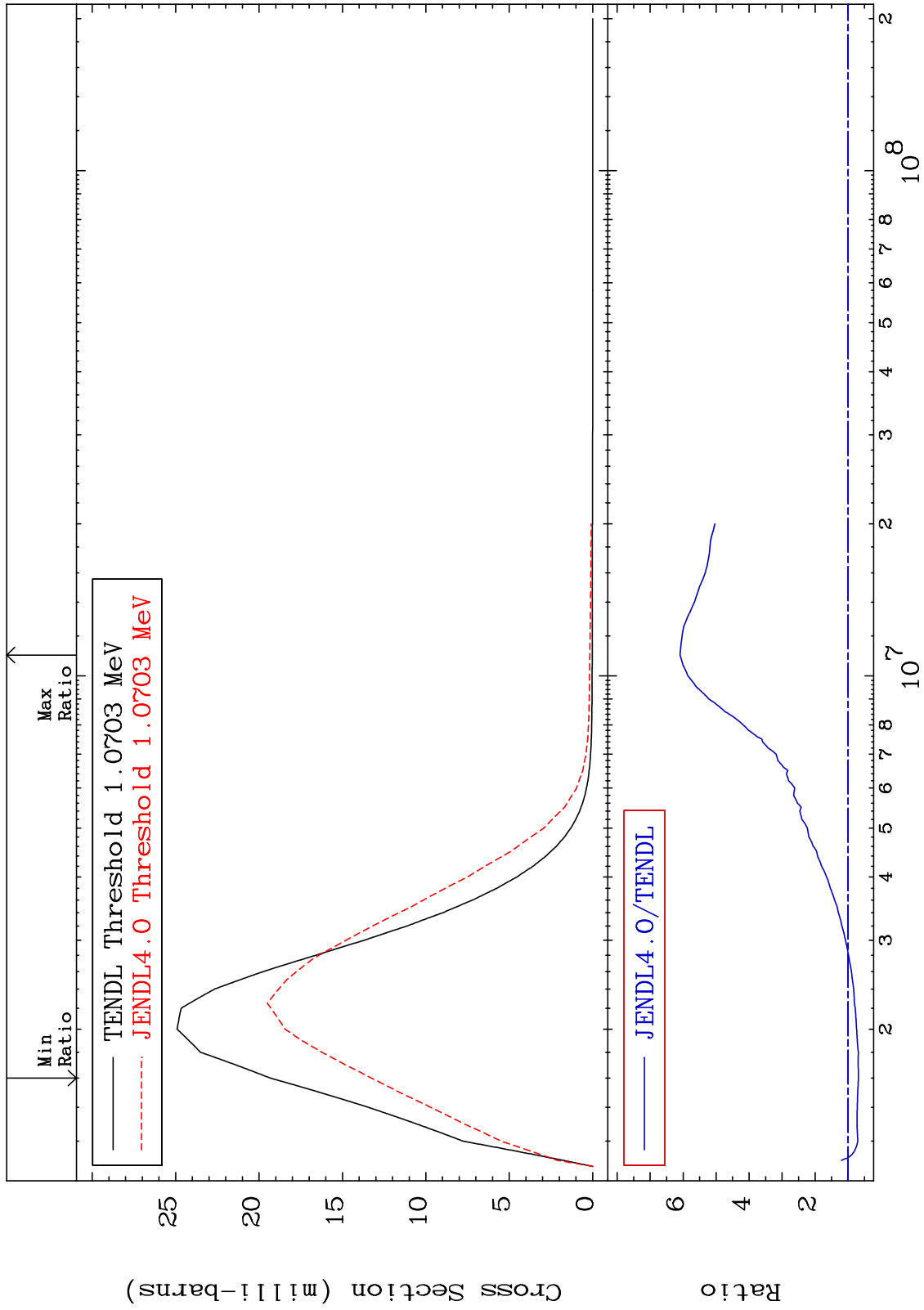


55-Cs-135

Incident Energy (eV)

19

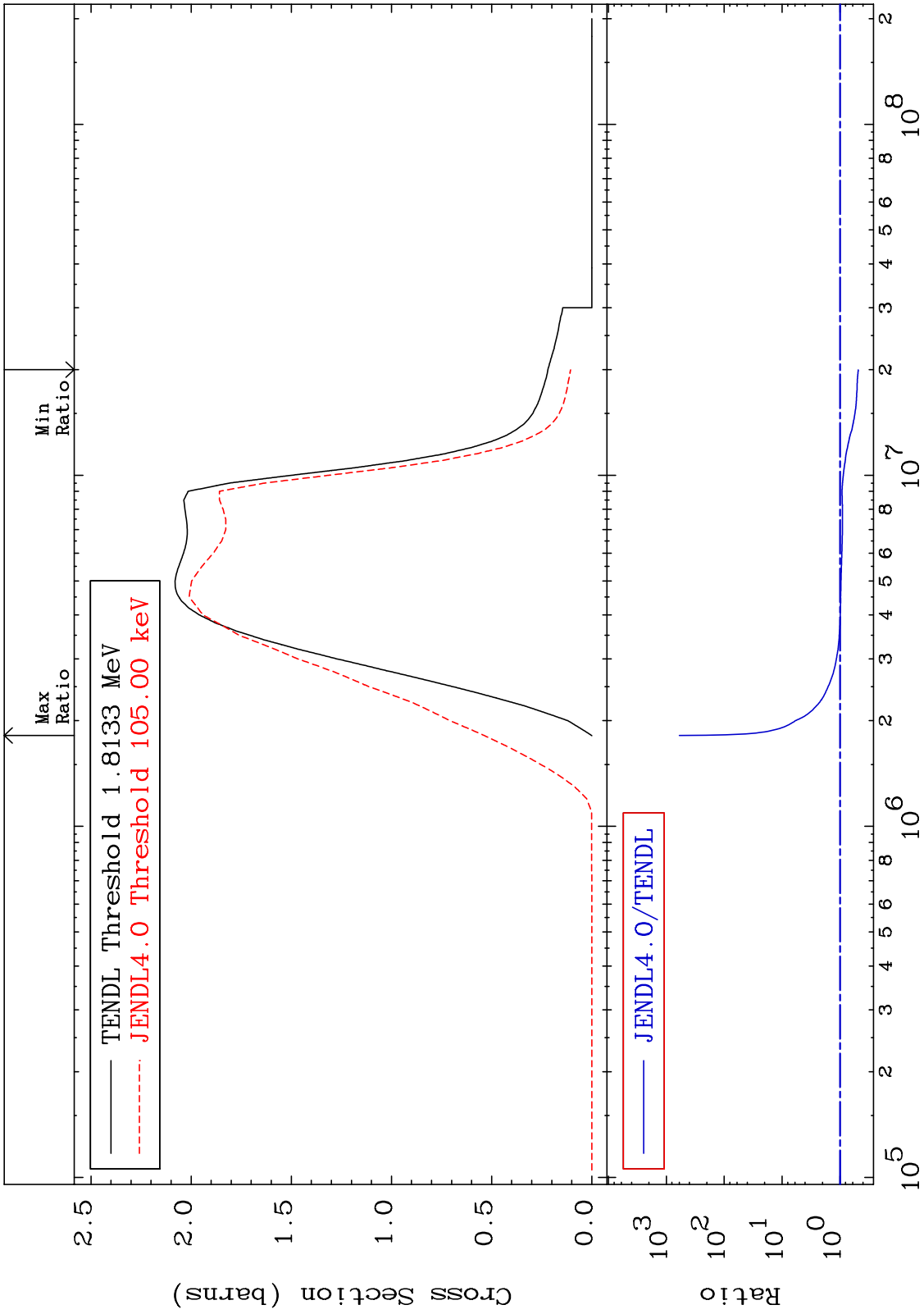
MAT 5531 MT= 56 (n,n') Level  
Cross Section 55-Cs-135  
-31.38 To 509.5 %



MAT 5531

(n,n') Continuum  
Cross Section

55-Cs-135  
-51.68 To 9999. %



21

Incident Energy (eV)

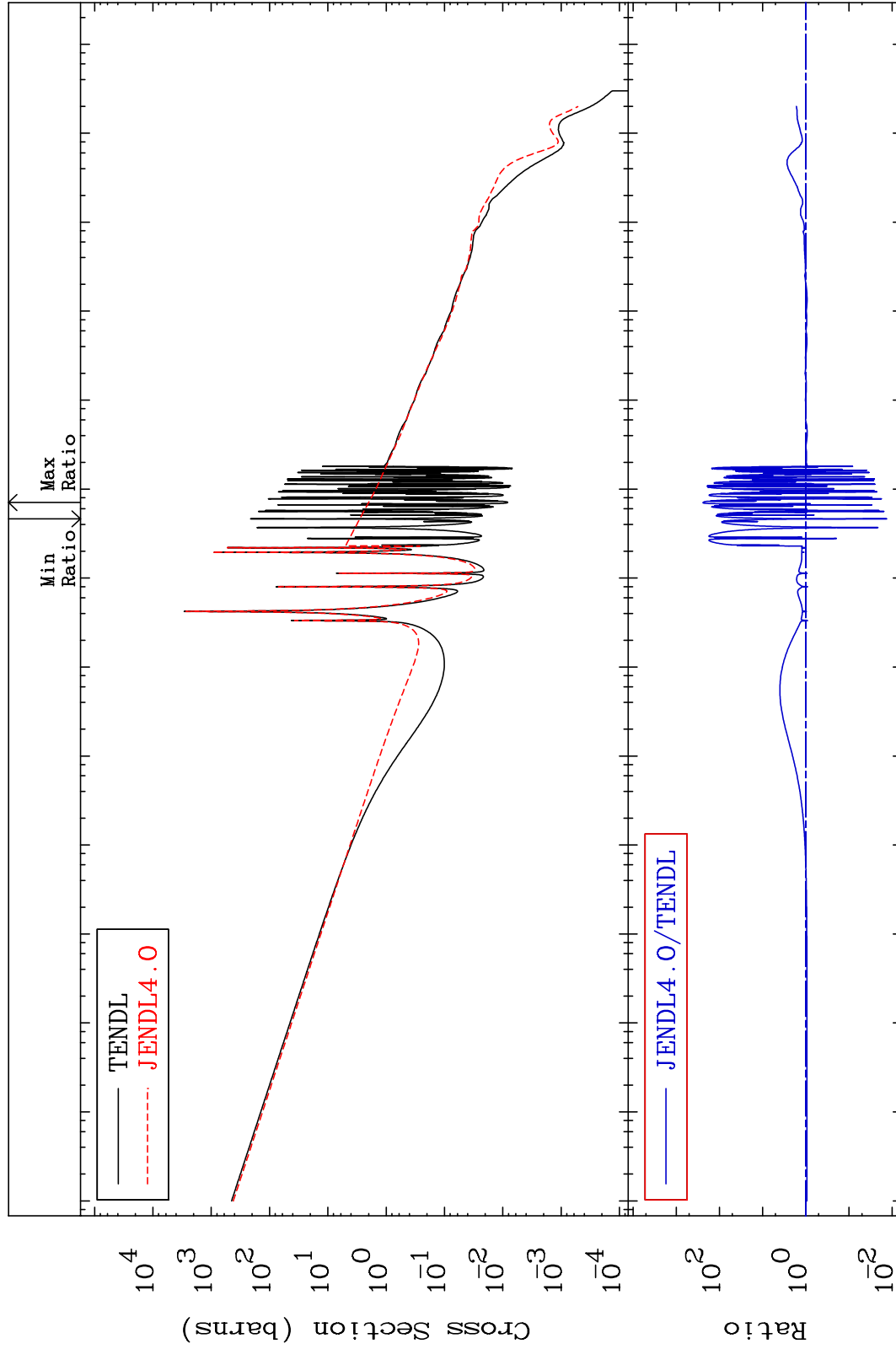
55-Cs-135

MAT 5531

55-Cs-135

-98.66 To 9999. %

(n,  $\gamma$ )  
Cross Section



Incident Energy (eV)

55-Cs-135

22

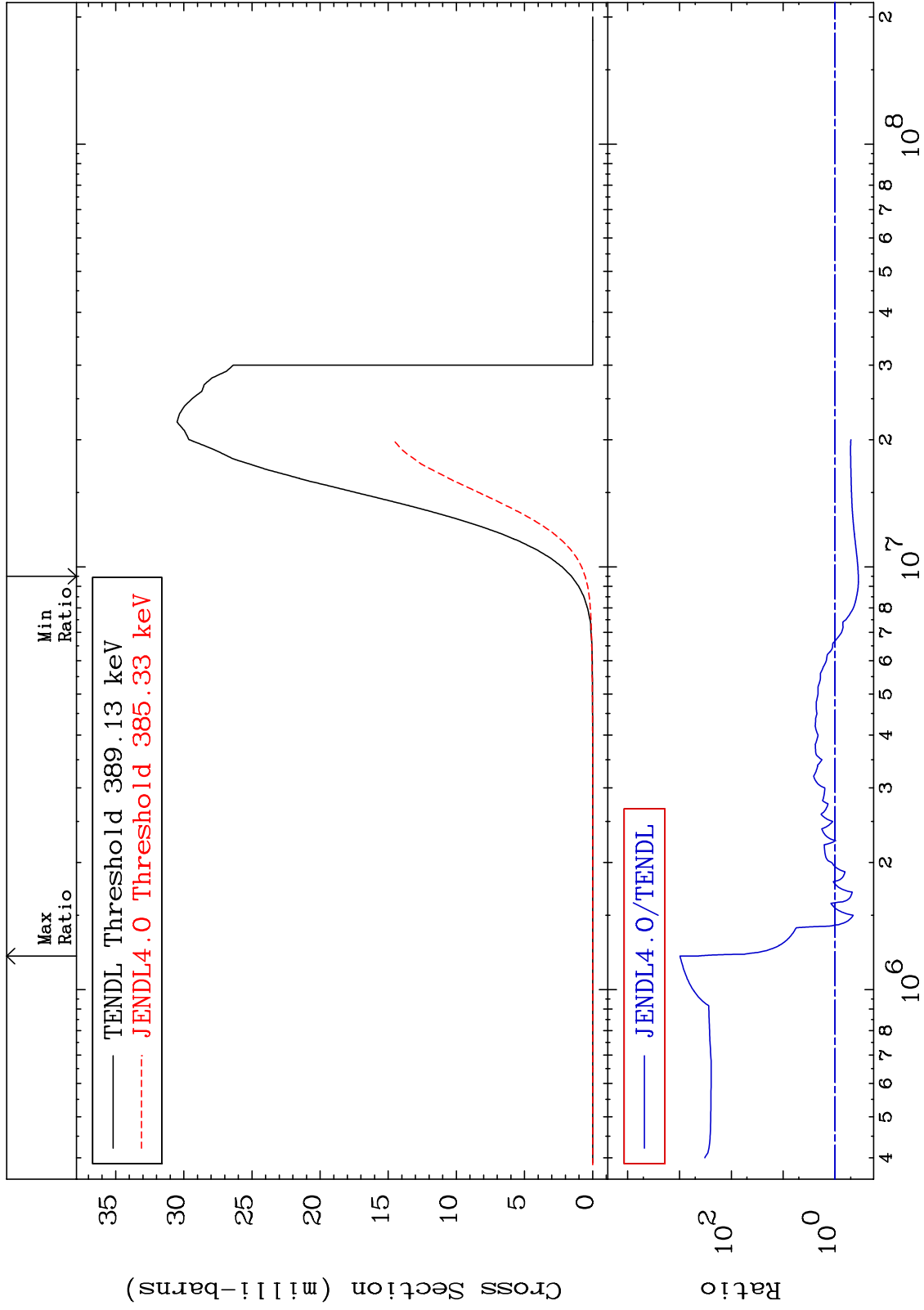
MAT 5531

(n,p)

55-Cs-135

Cross Section

-64.61 To 9999. %





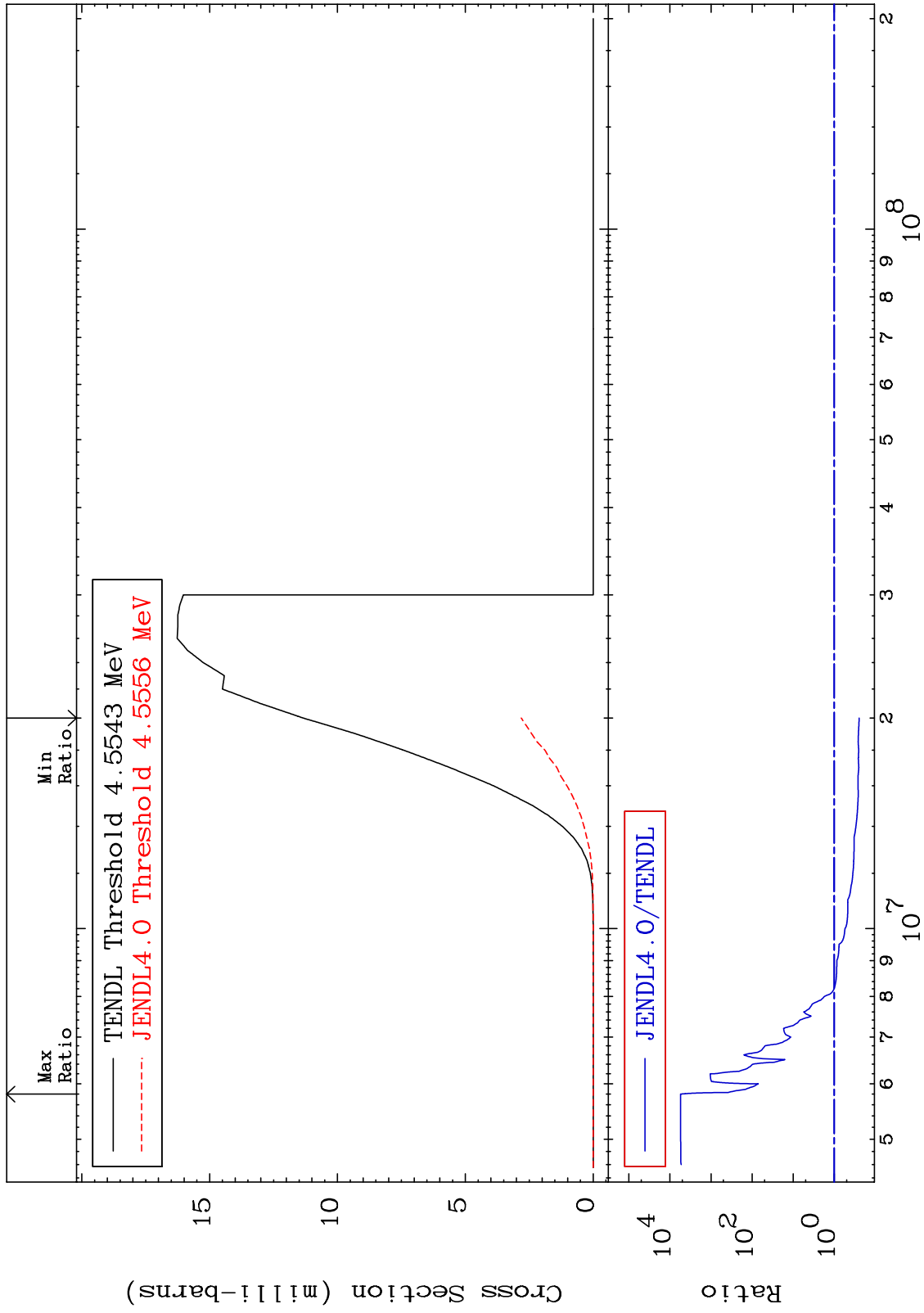
MAT 5531

(n, d)

55-Cs-135

Cross Section

-75.18 To 9999. %



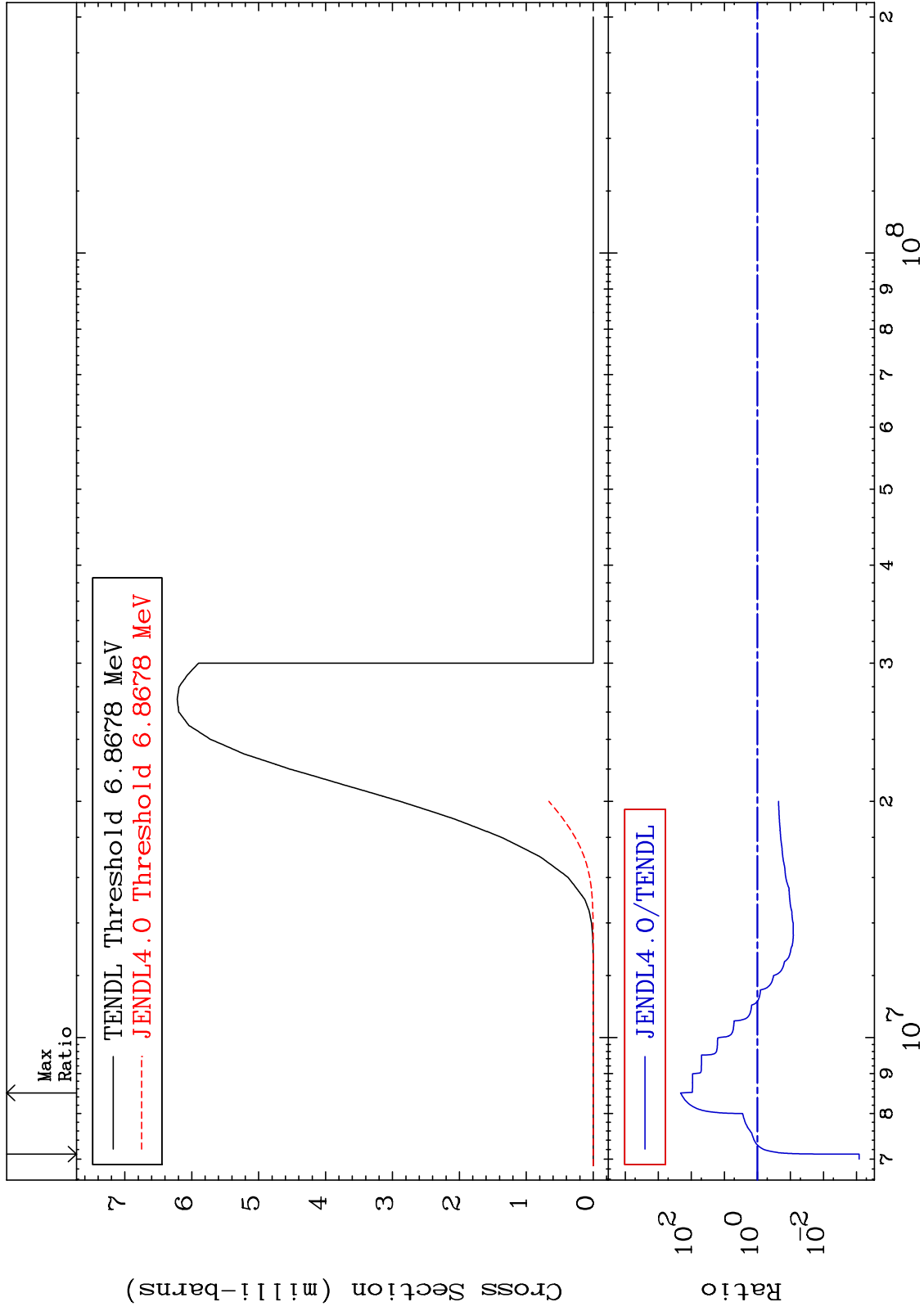
MAT 5531

(n, t)

55-Cs-135

Cross Section

-99.92 To 9999. %



25

Incident Energy (eV)

55-Cs-135

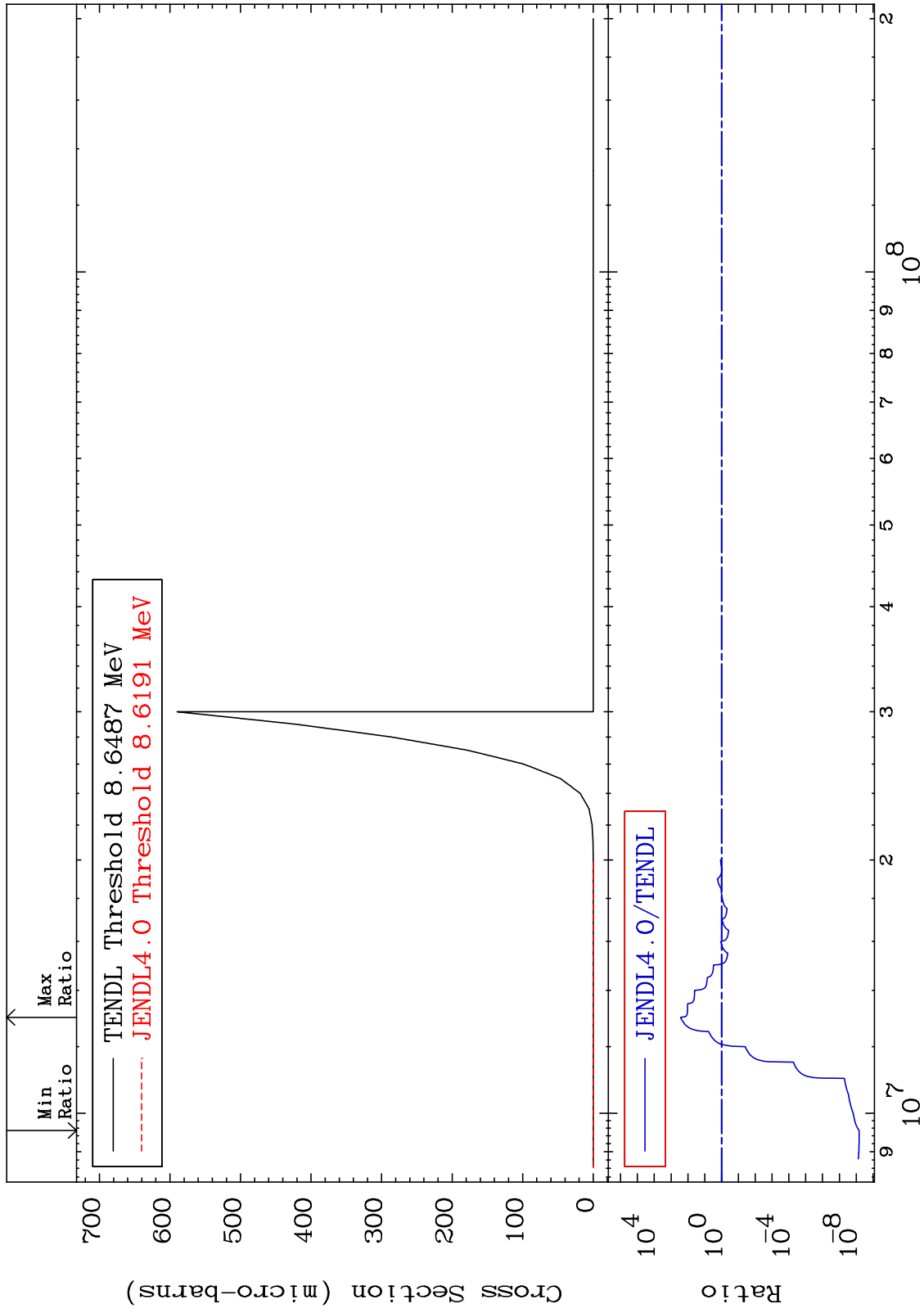
MAT 5531

(n, He-3)

55-Cs-135

Cross Section

-100.0 To 9999. %



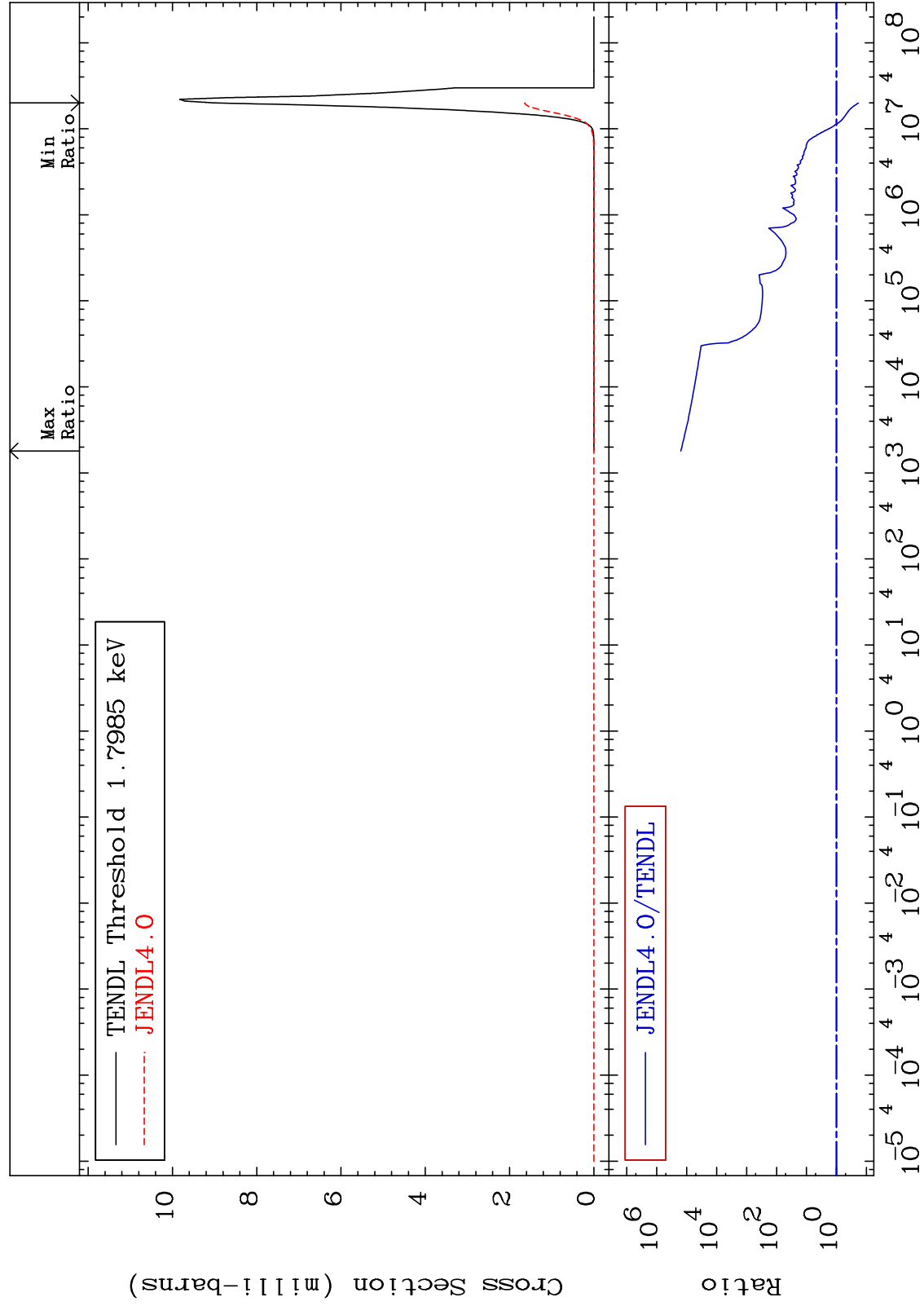
MAT 5531

(n,  $\alpha$ )

55-Cs-135

Cross Section

-81.79 To 9999. %



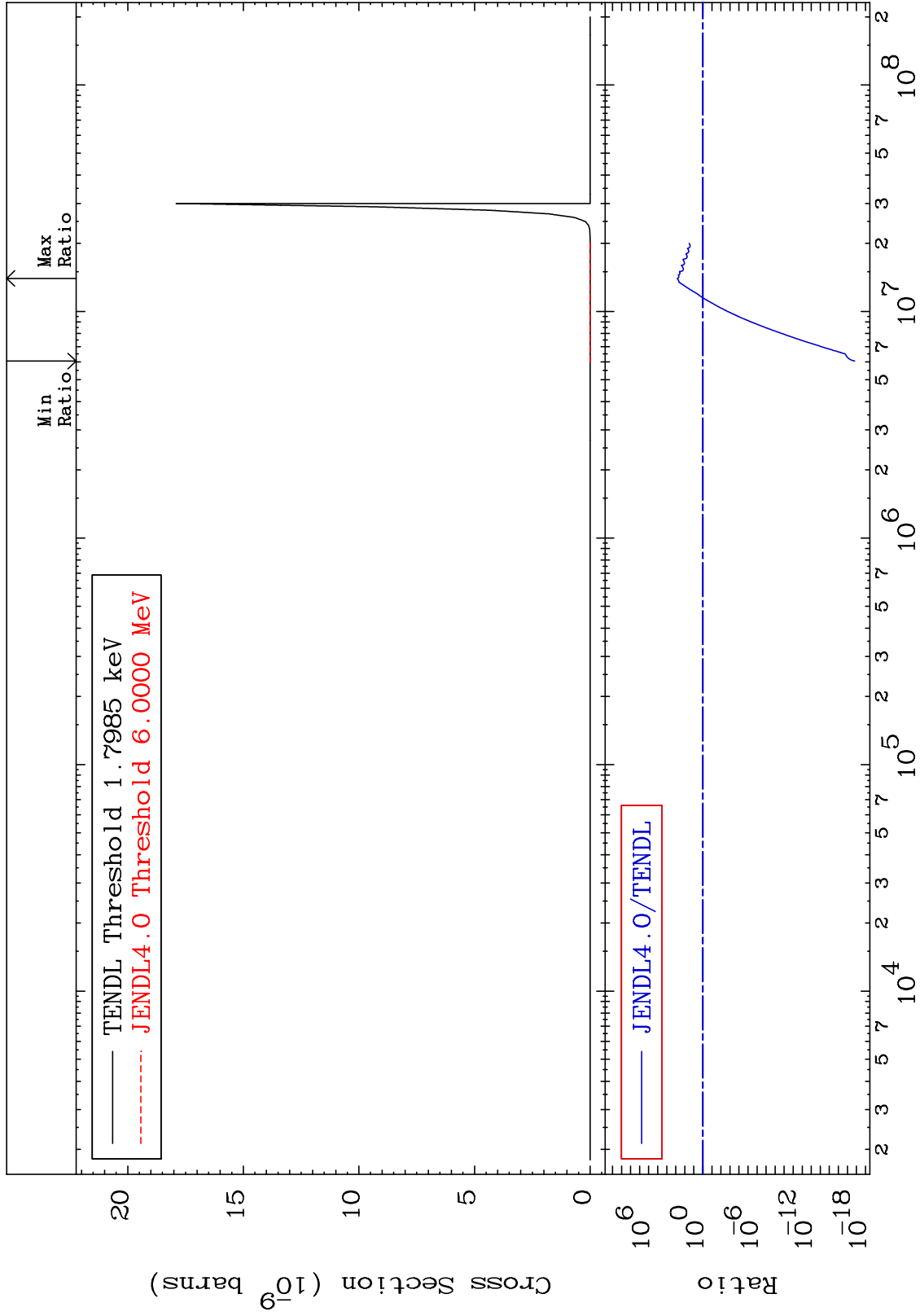
MAT 5531

(n,2α)

55-Cs-135

Cross Section

-100.0 To 9999. %



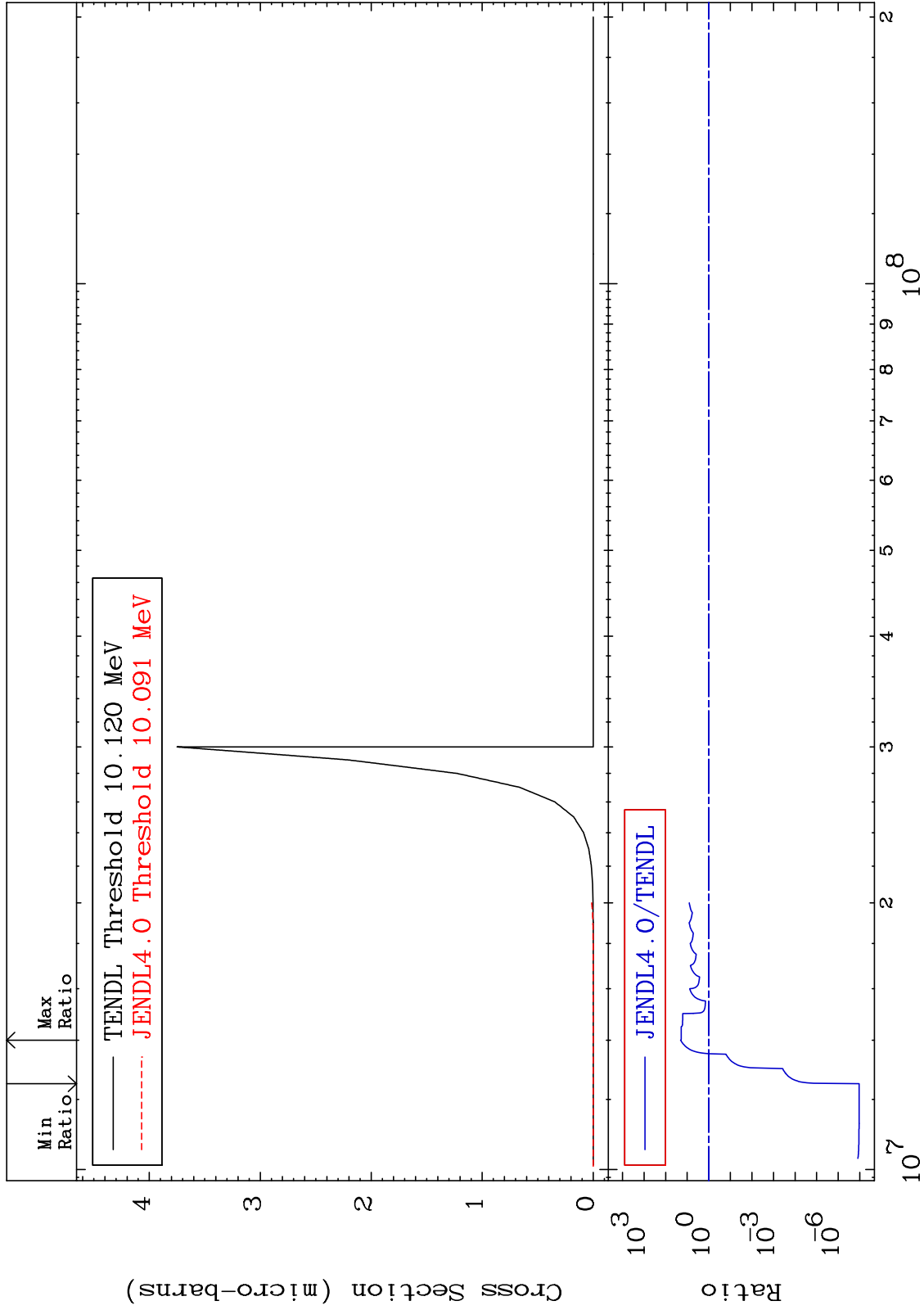
MAT 5531

(n,2p)

55-Cs-135

Cross Section

-100.0 To 1917. %



29

Incident Energy (eV)

55-Cs-135

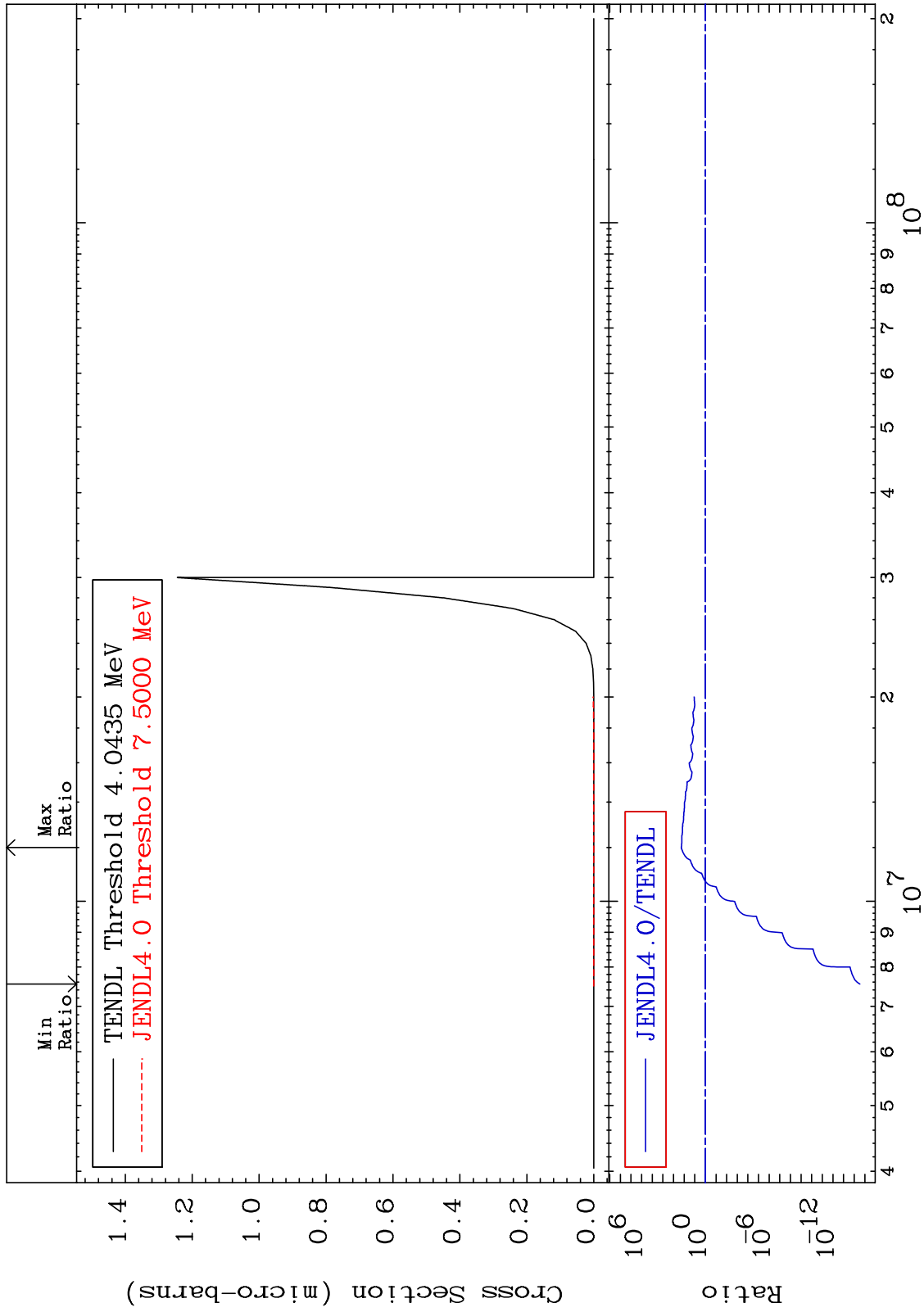
MAT 5531

(n,p)  $\alpha$

55-Cs-135

Cross Section

-100.0 To 9999. %



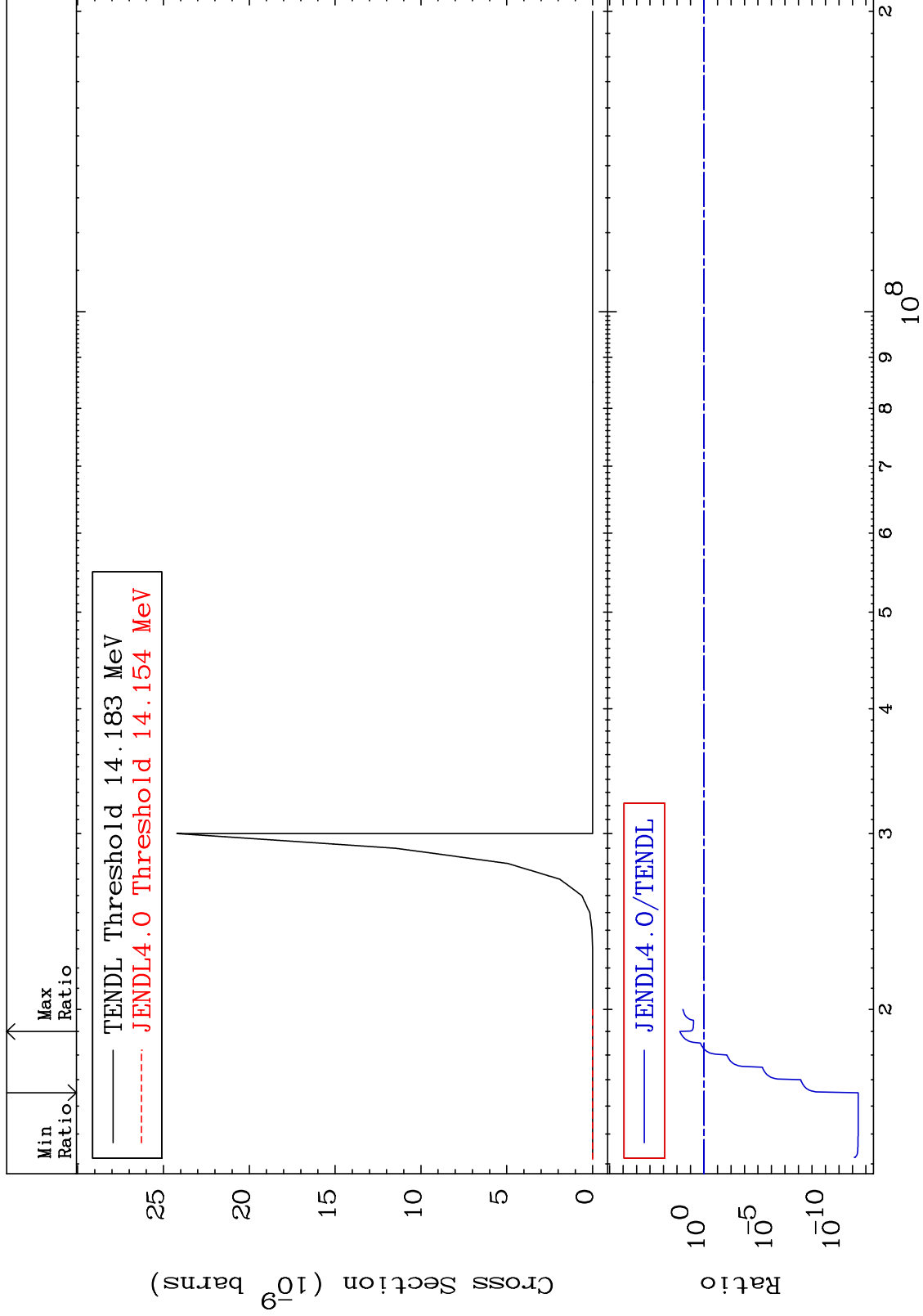
MAT 5531

(n,p) d

55-Cs-135

Cross Section

-100.0 To 6031. %





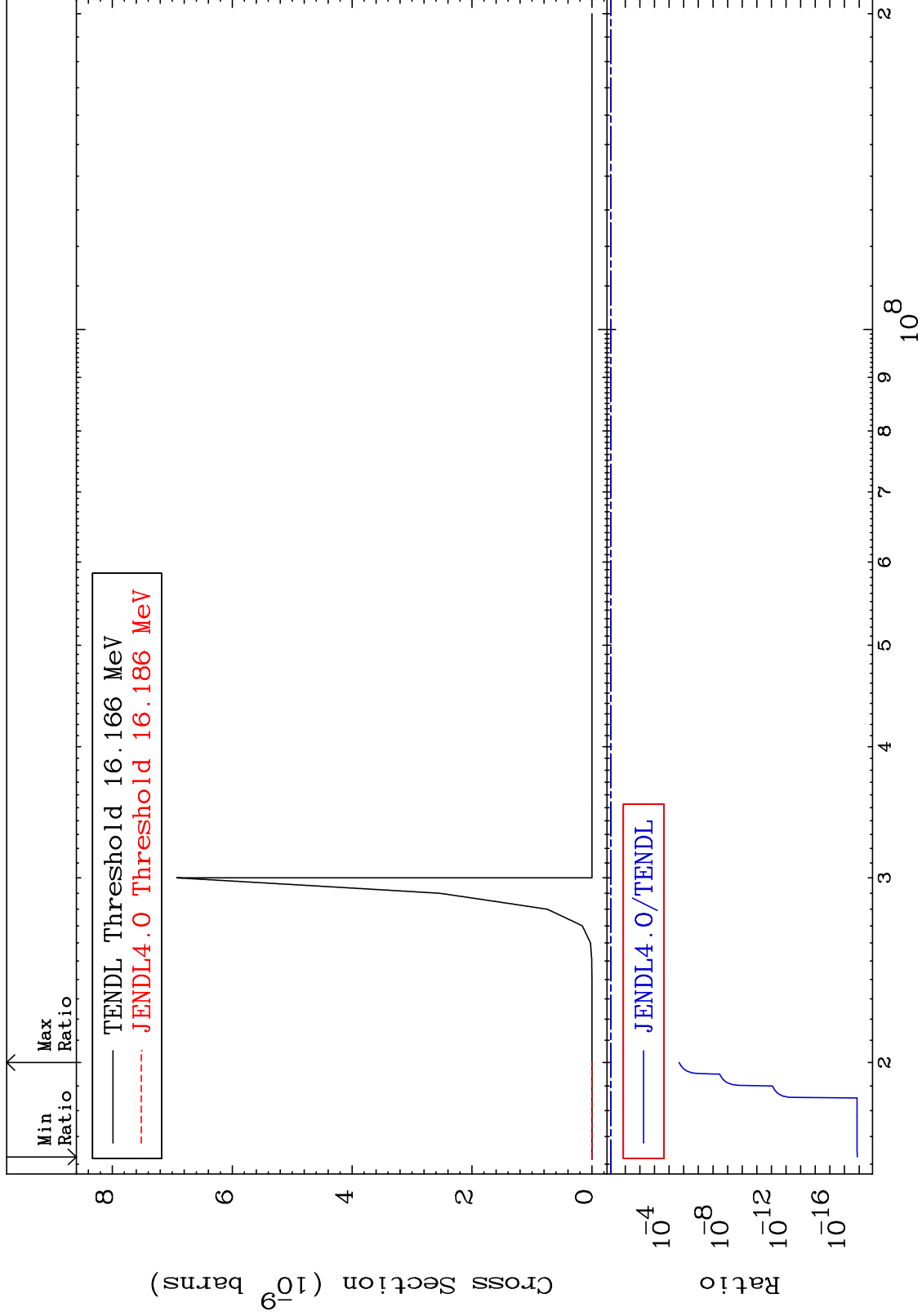
MAT 5531

(n,p) t

55-Cs-135

Cross Section

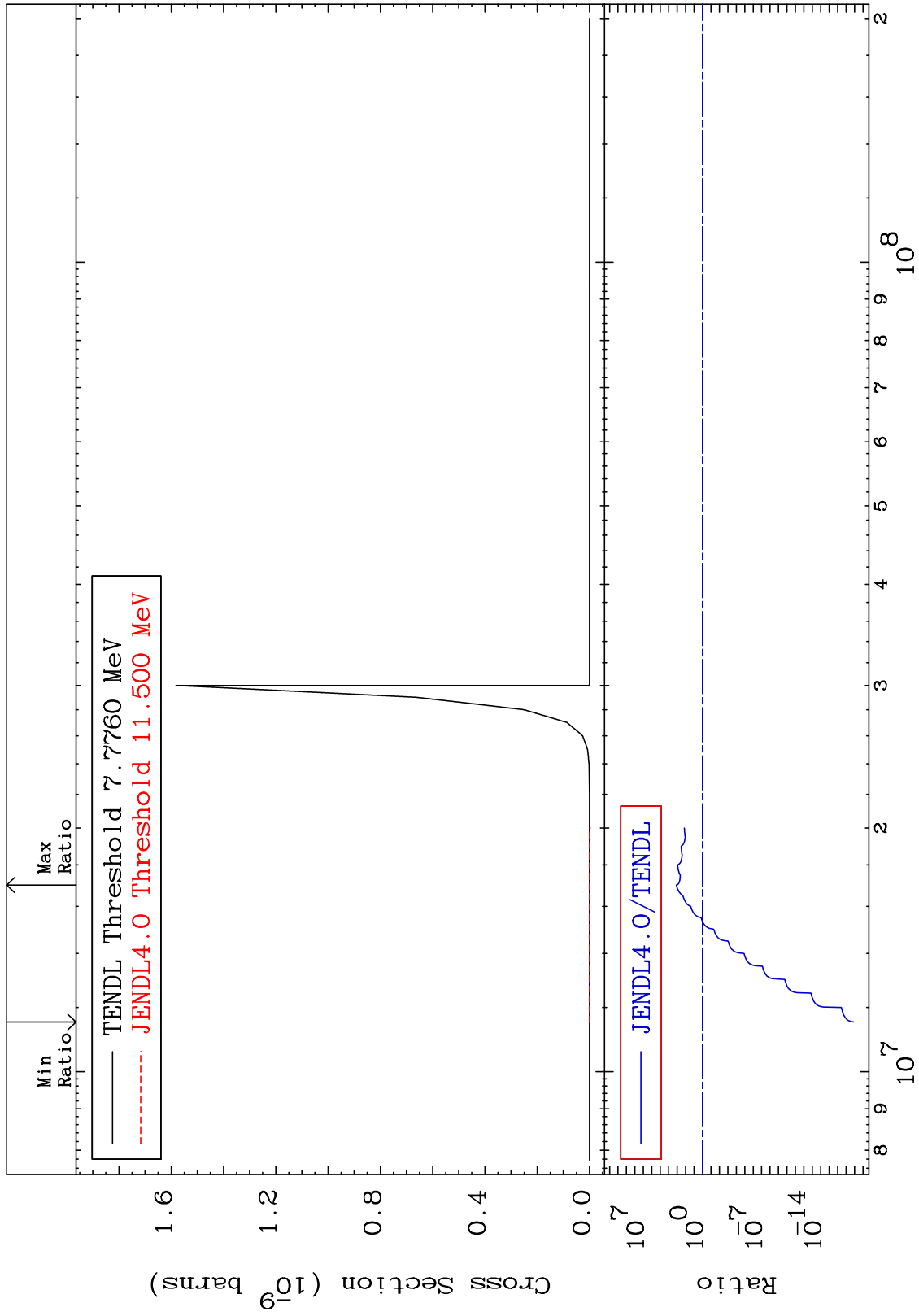
-100.0 To -100.0%



32

Incident Energy (eV)

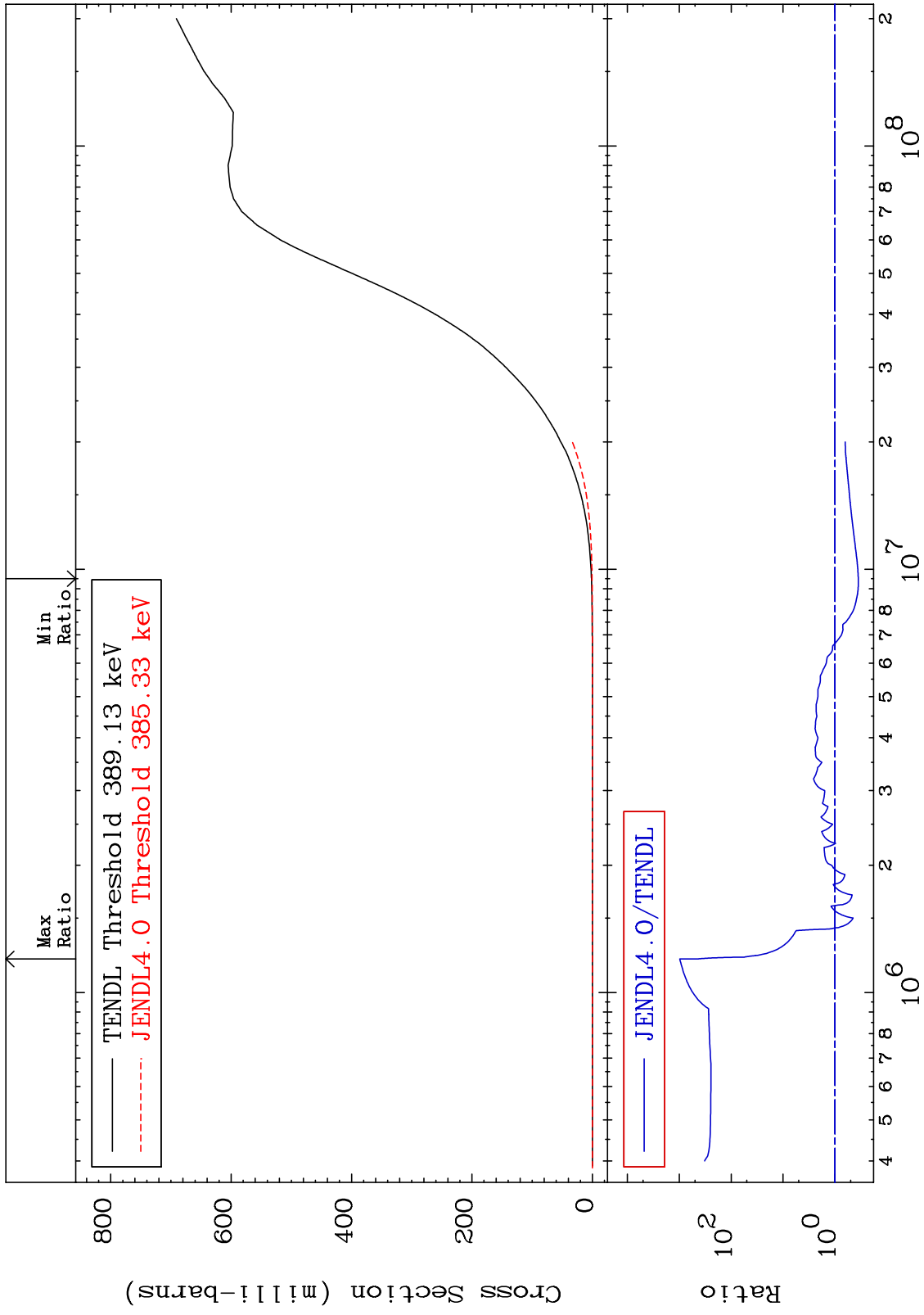
55-Cs-135



MAT 5531

Hydrogen Production  
Cross Section

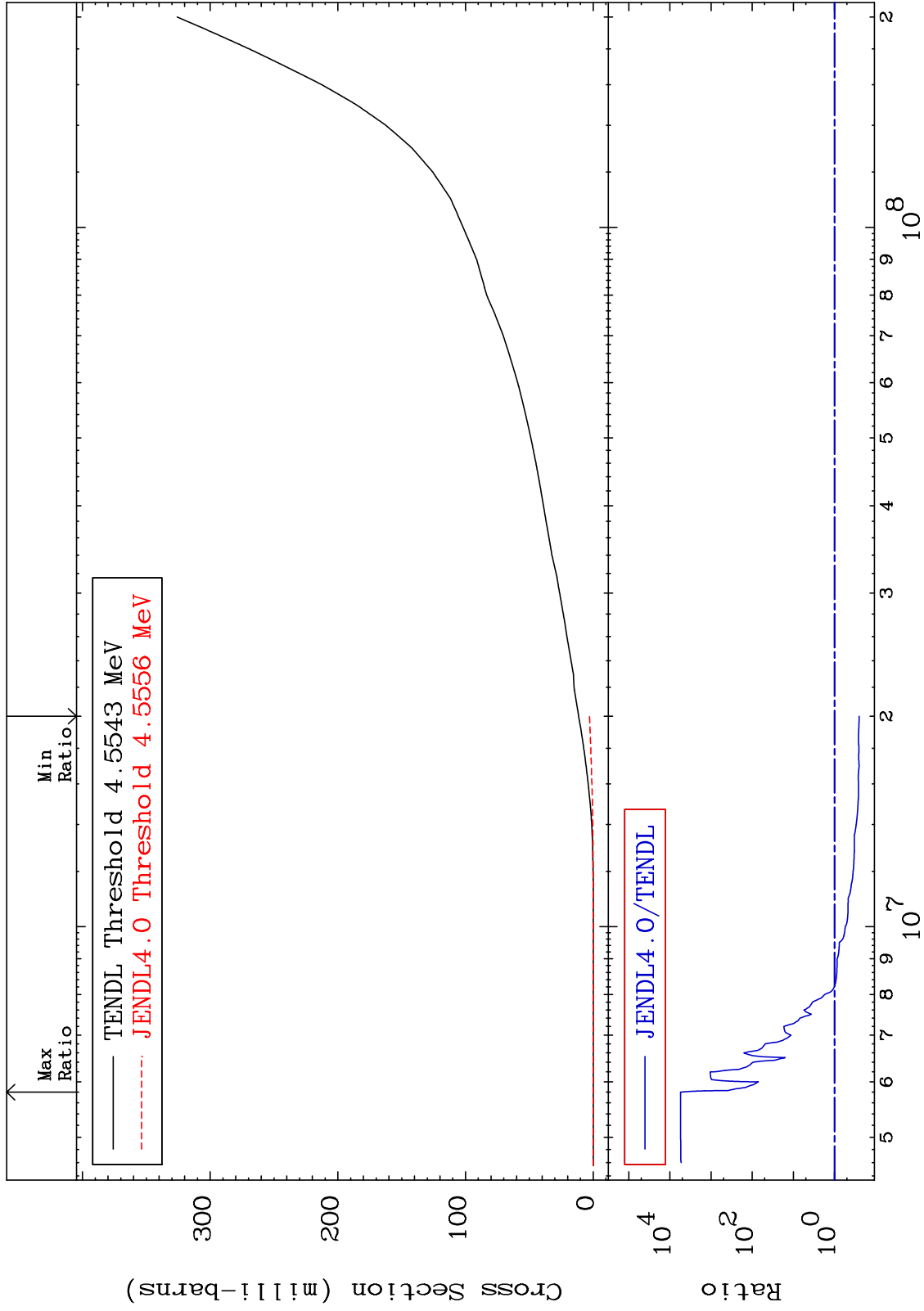
55-Cs-135  
-64.61 To 9999. %



MAT 5531

Deuterium Production  
Cross Section

55-Cs-135  
-74.76 To 9999. %



35

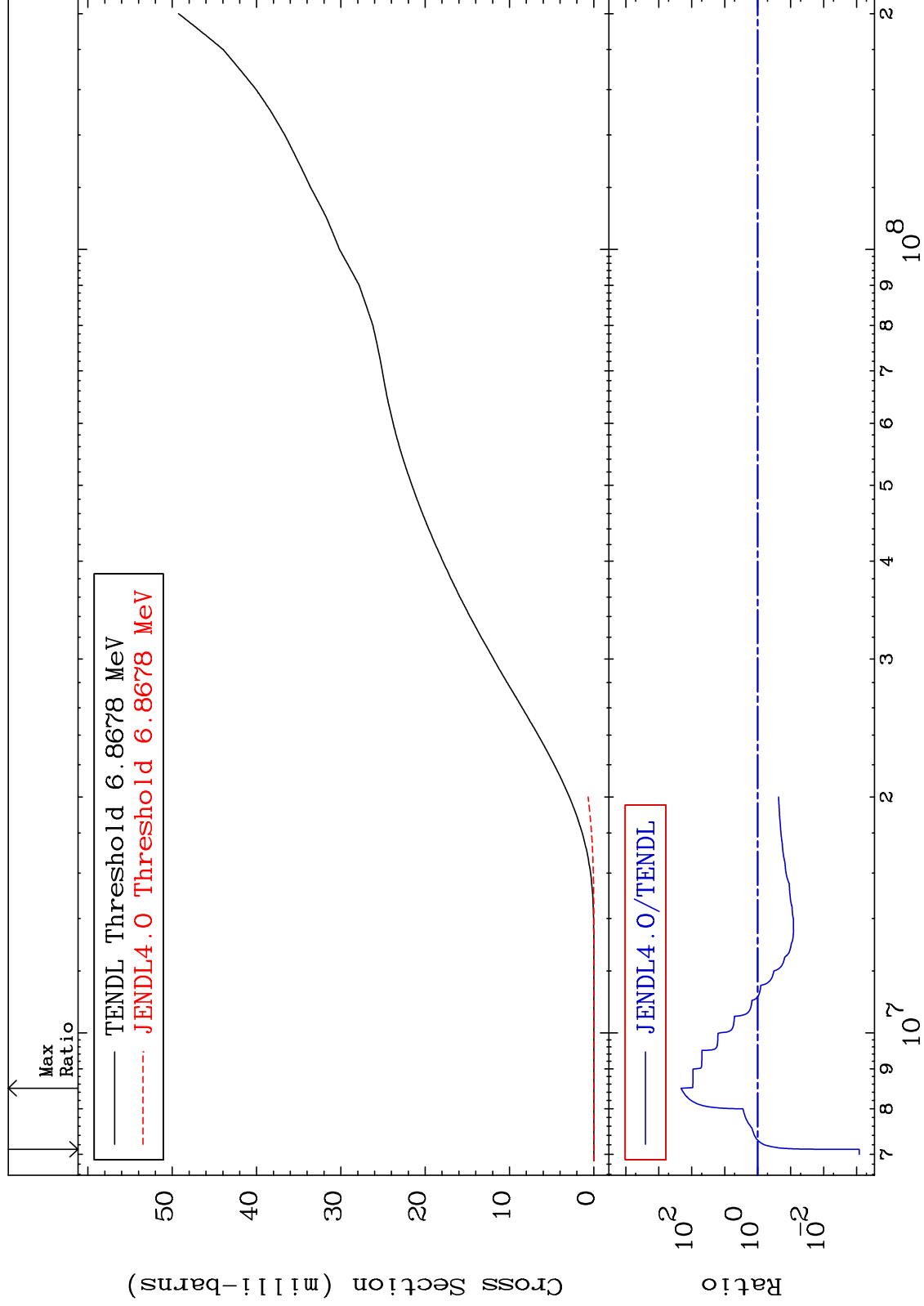
Incident Energy (eV)

55-Cs-135

MAT 5531

Tritium Production  
Cross Section

55-Cs-135  
-99.92 To 9999. %



36

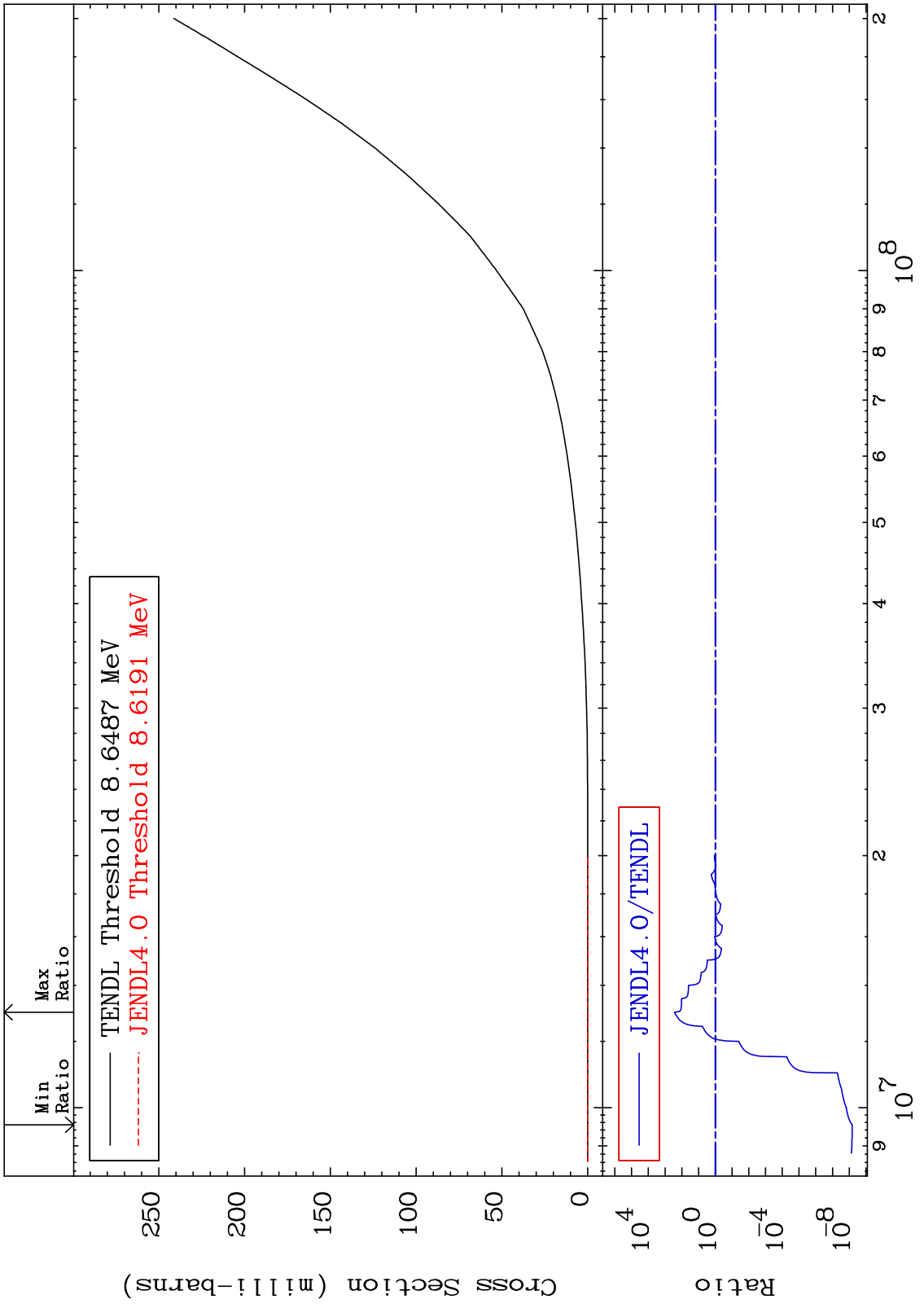
Incident Energy (eV)

55-Cs-135

MAT 5531

He-3 Production  
Cross Section

55-Cs-135  
-100.0 To 9999. %



37

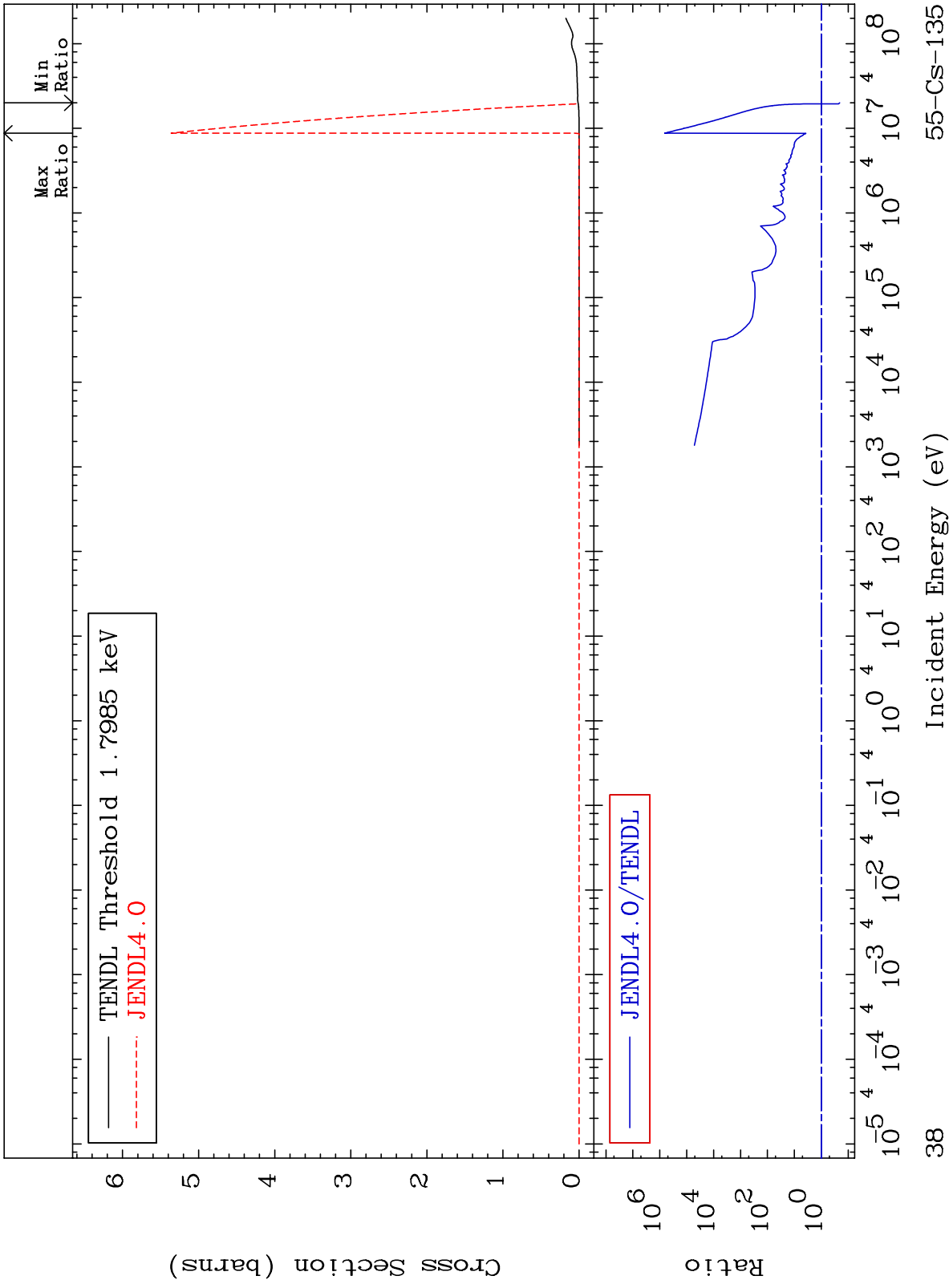
Incident Energy (eV)

55-Cs-135

MAT 5531

He-4 Production  
Cross Section

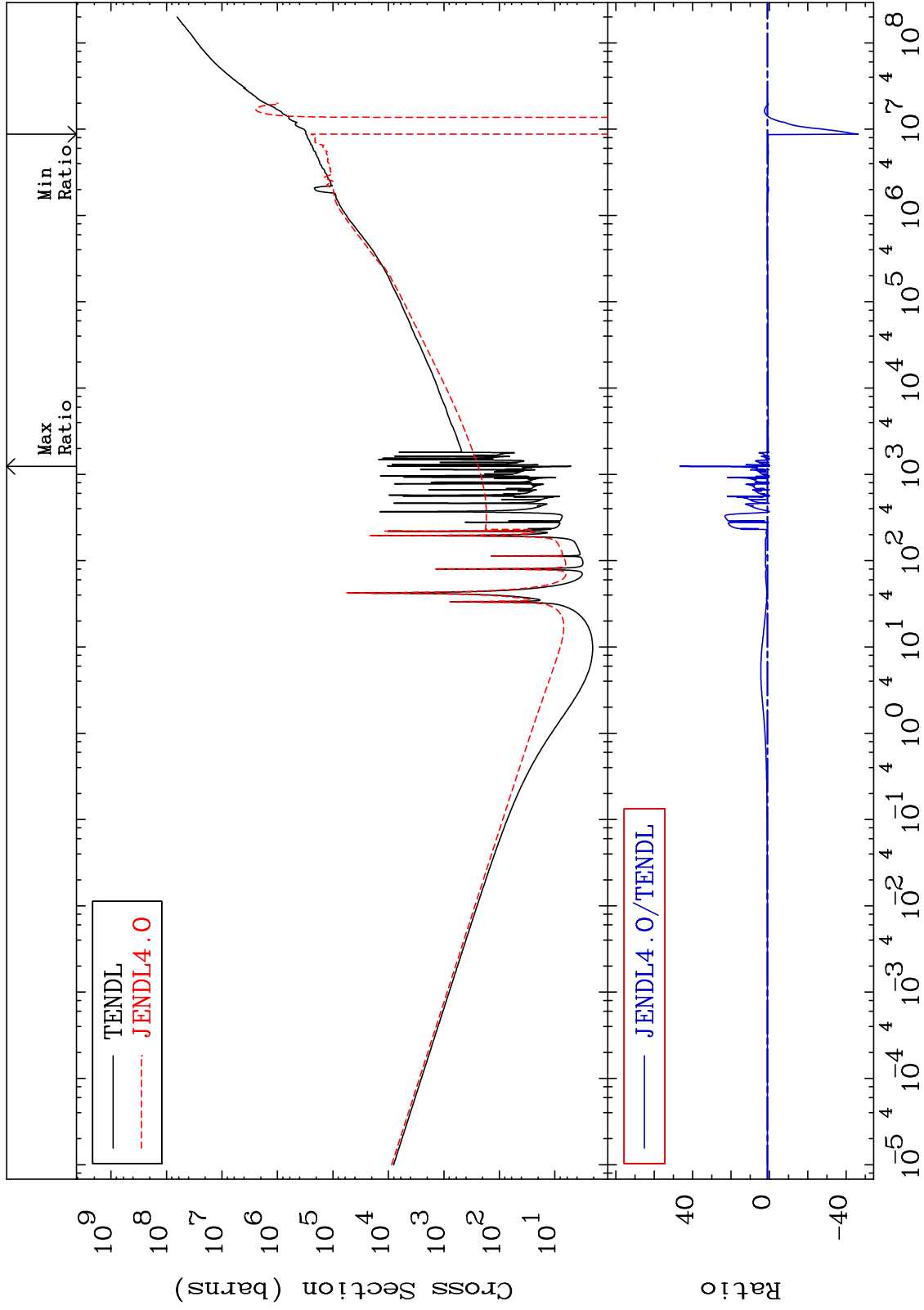
55-Cs-135  
-79.32 To 9999. %



MAT 5531

Kerma total (eV-barns)  
Cross Section

55-Cs-135  
-4739. To 4559. %



39

Incident Energy (eV)

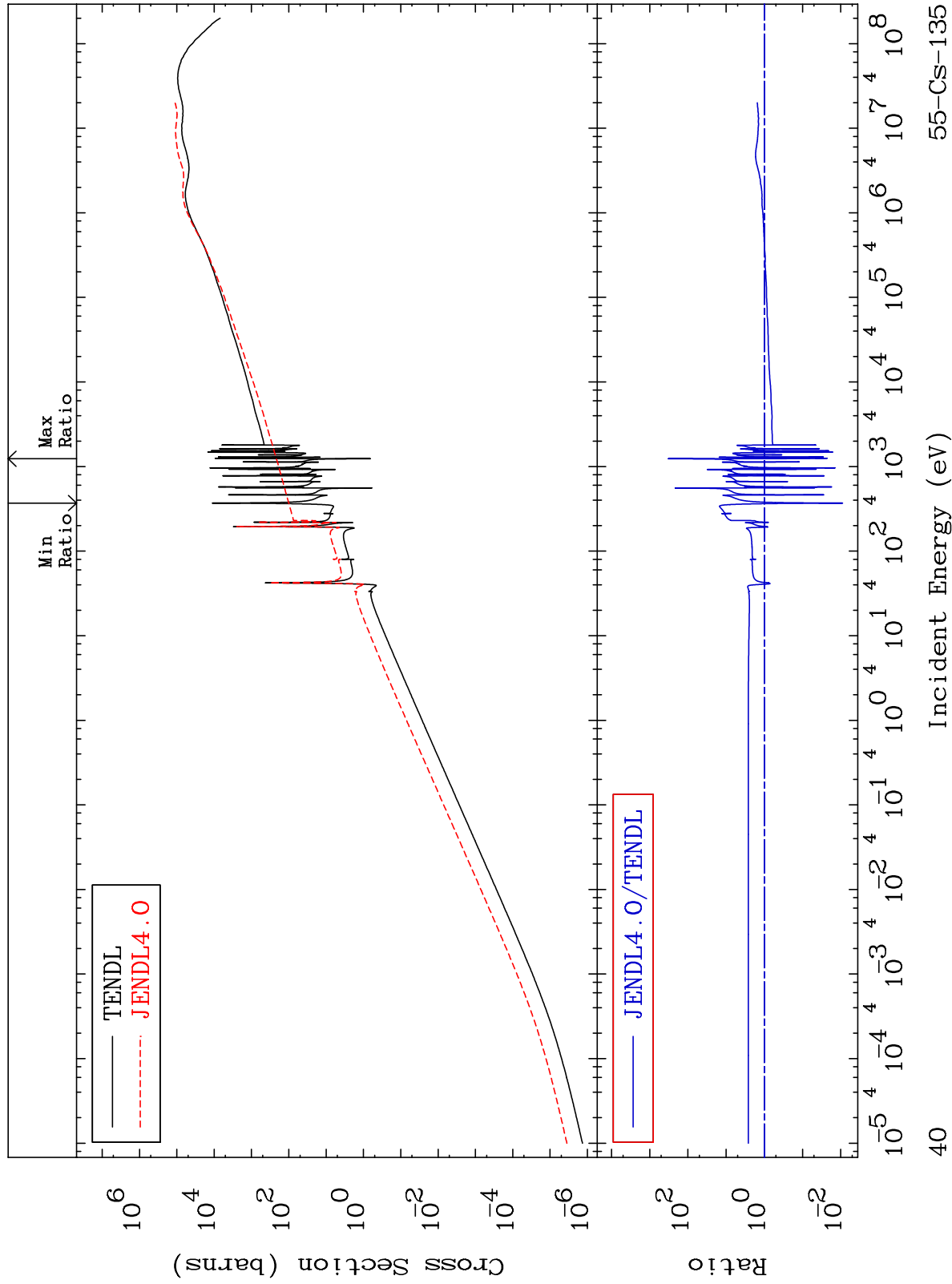
55-Cs-135



MAT 5531

Kerma elastic  
Cross Section

55-Cs-135  
-99.12 To 9999. %



40

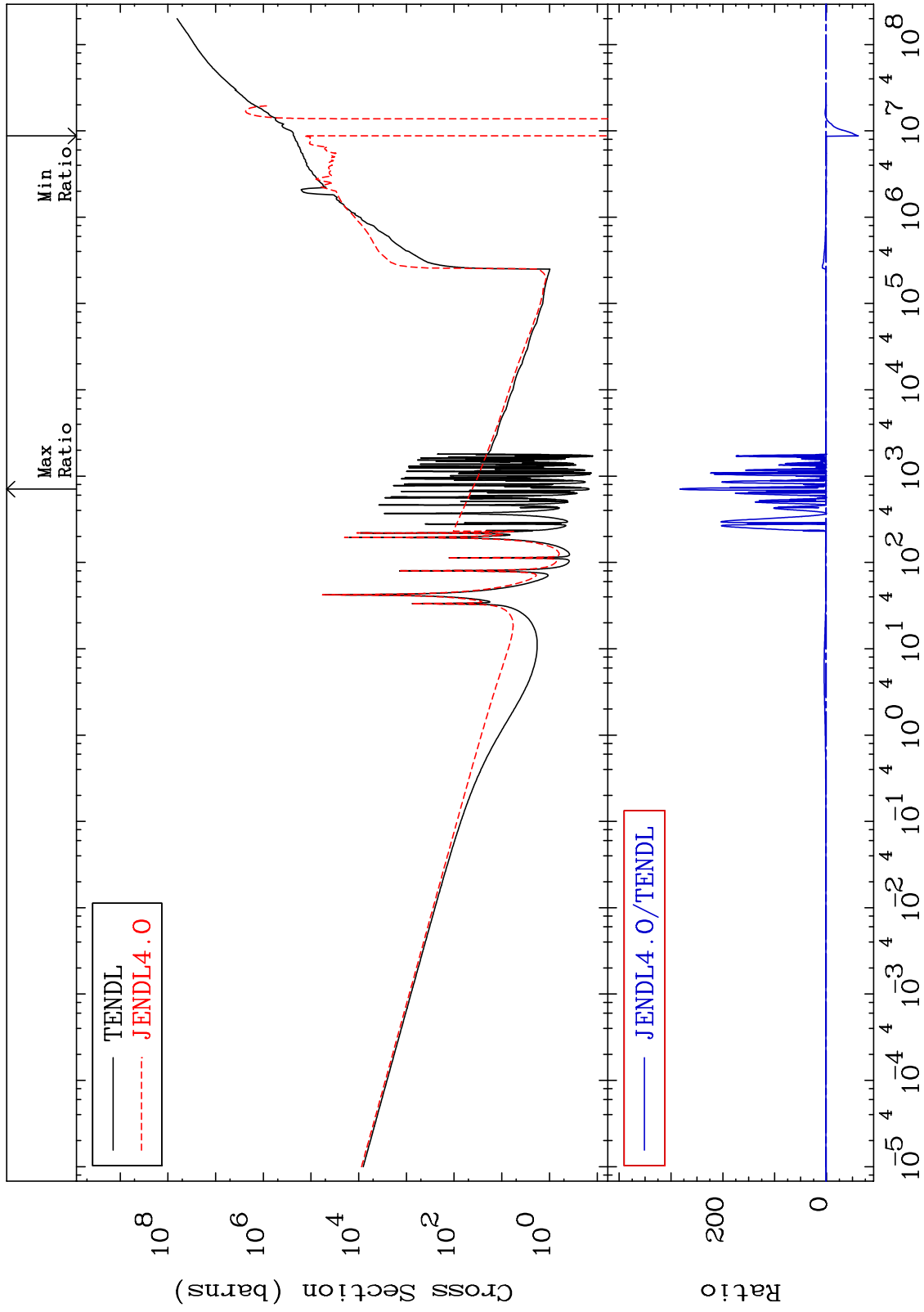
Incident Energy (eV)

55-Cs-135

MAT 5531

Kerma non-elastic (all but mt2)  
Cross Section

55-Cs-135  
-6251. To 9999. %



41

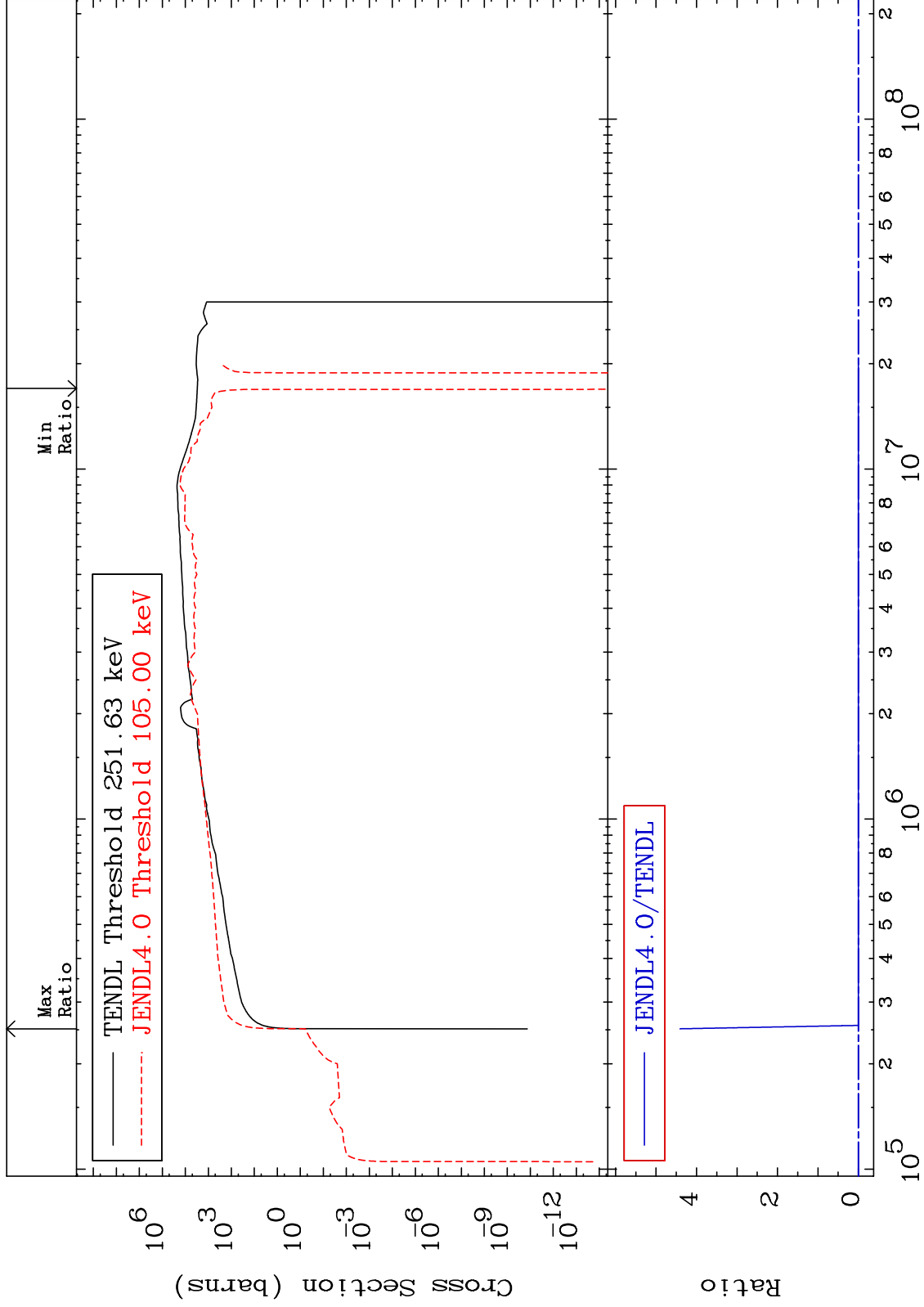
Incident Energy (eV)

55-Cs-135

MAT 5531

Kerma inelastic (mt51-91)  
Cross Section

55-Cs-135  
-104.4 To 9999. %



Incident Energy (eV)

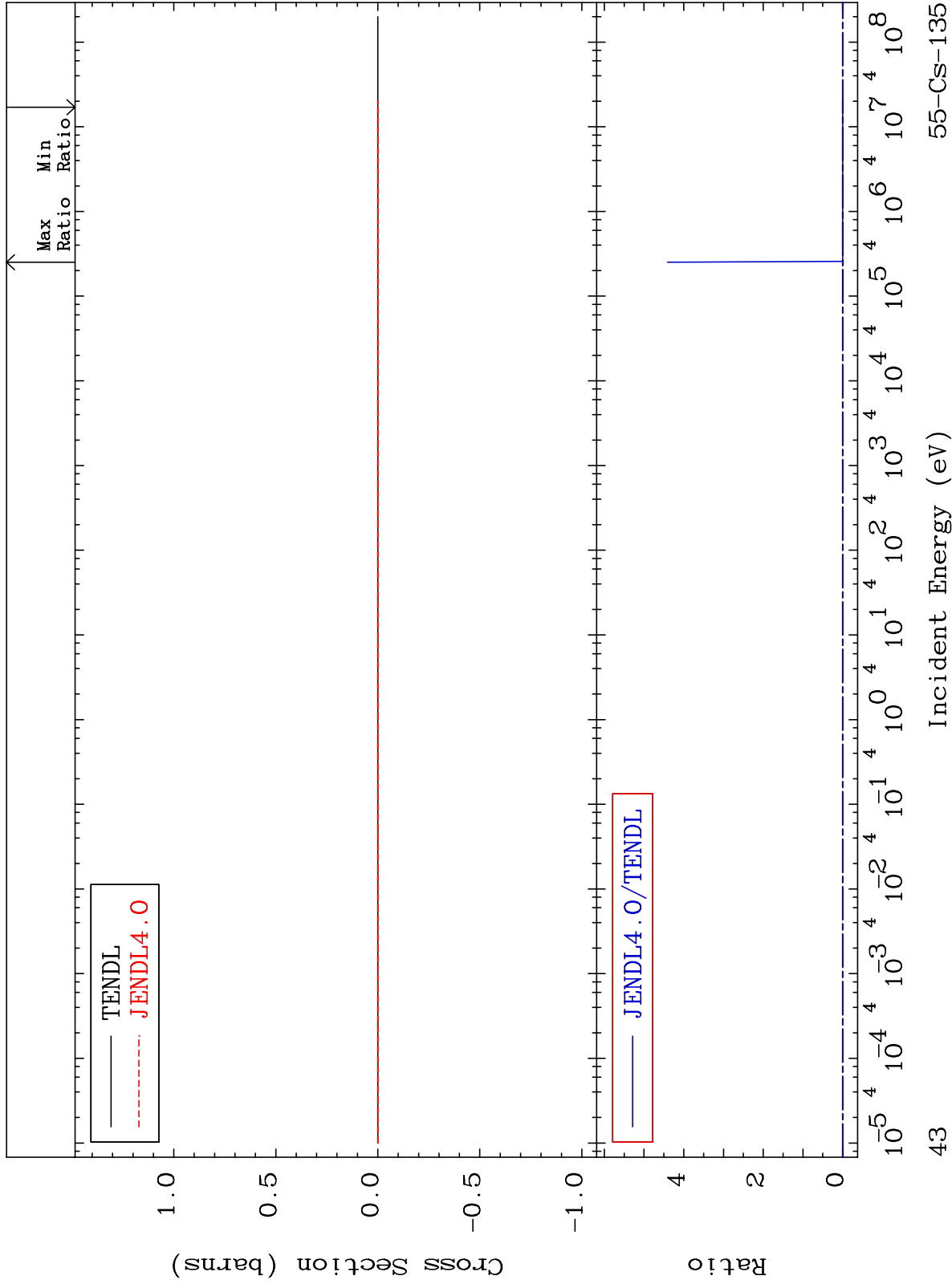
55-Cs-135

42

MAT 5531

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

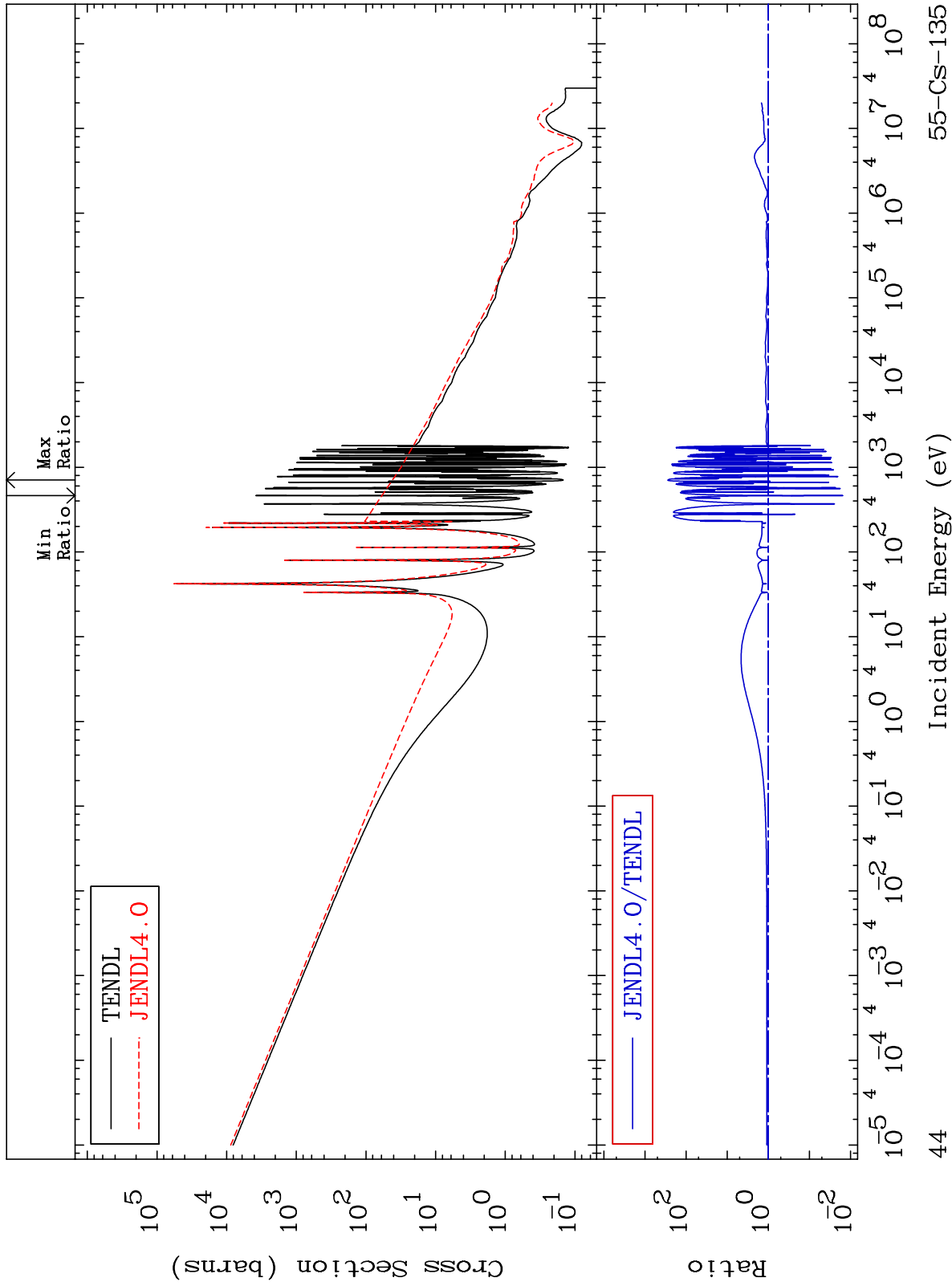
55-Cs-135  
-104.4 To 9999. %



MAT 5531

Kerma capture (mt102)  
Cross Section

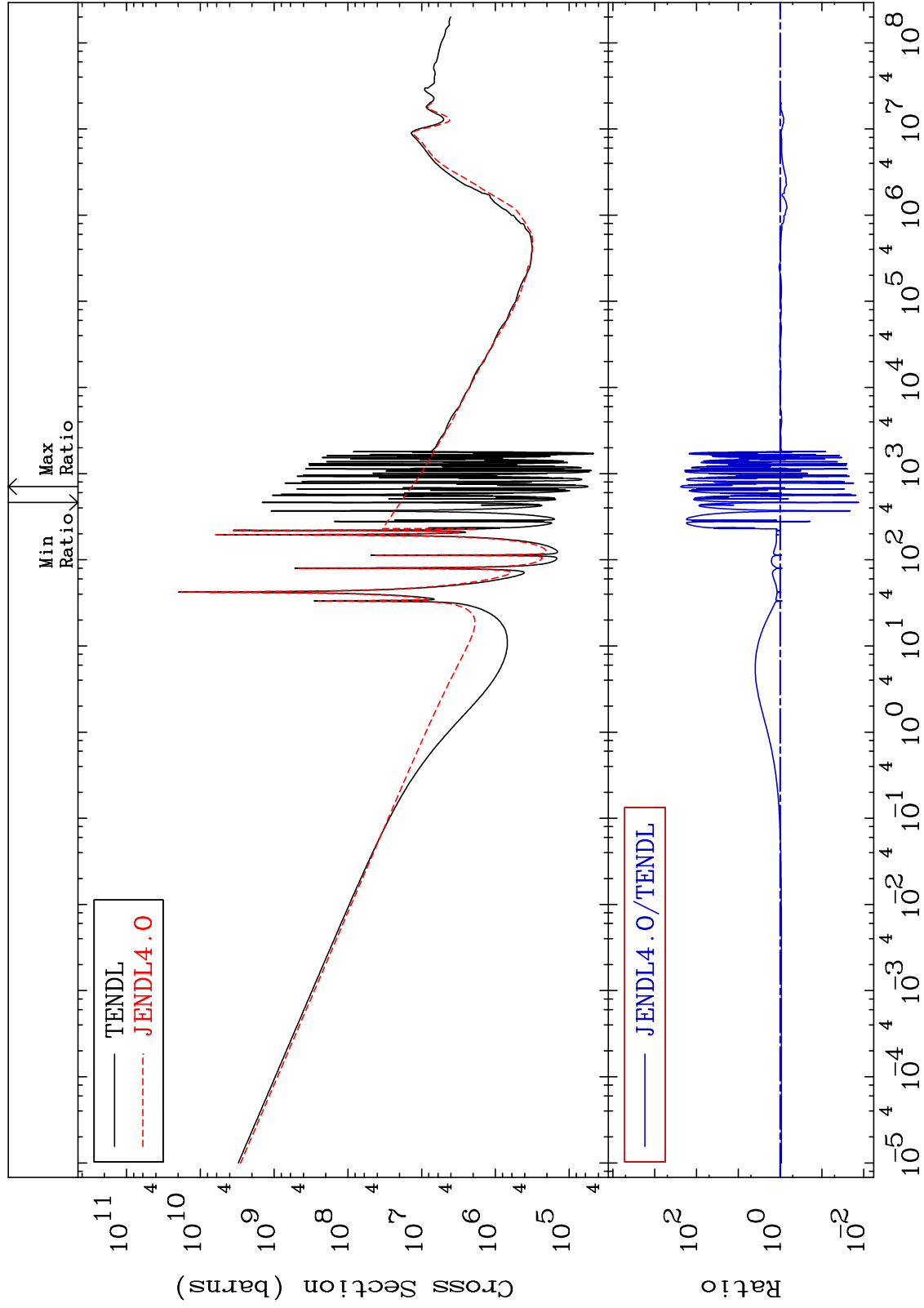
55-Cs-135  
-98.44 To 9999. %



MAT 5531

Total photon (eV-barns)  
Cross Section

55-Cs-135  
-98.66 To 9999. %



45

Incident Energy (eV)

55-Cs-135

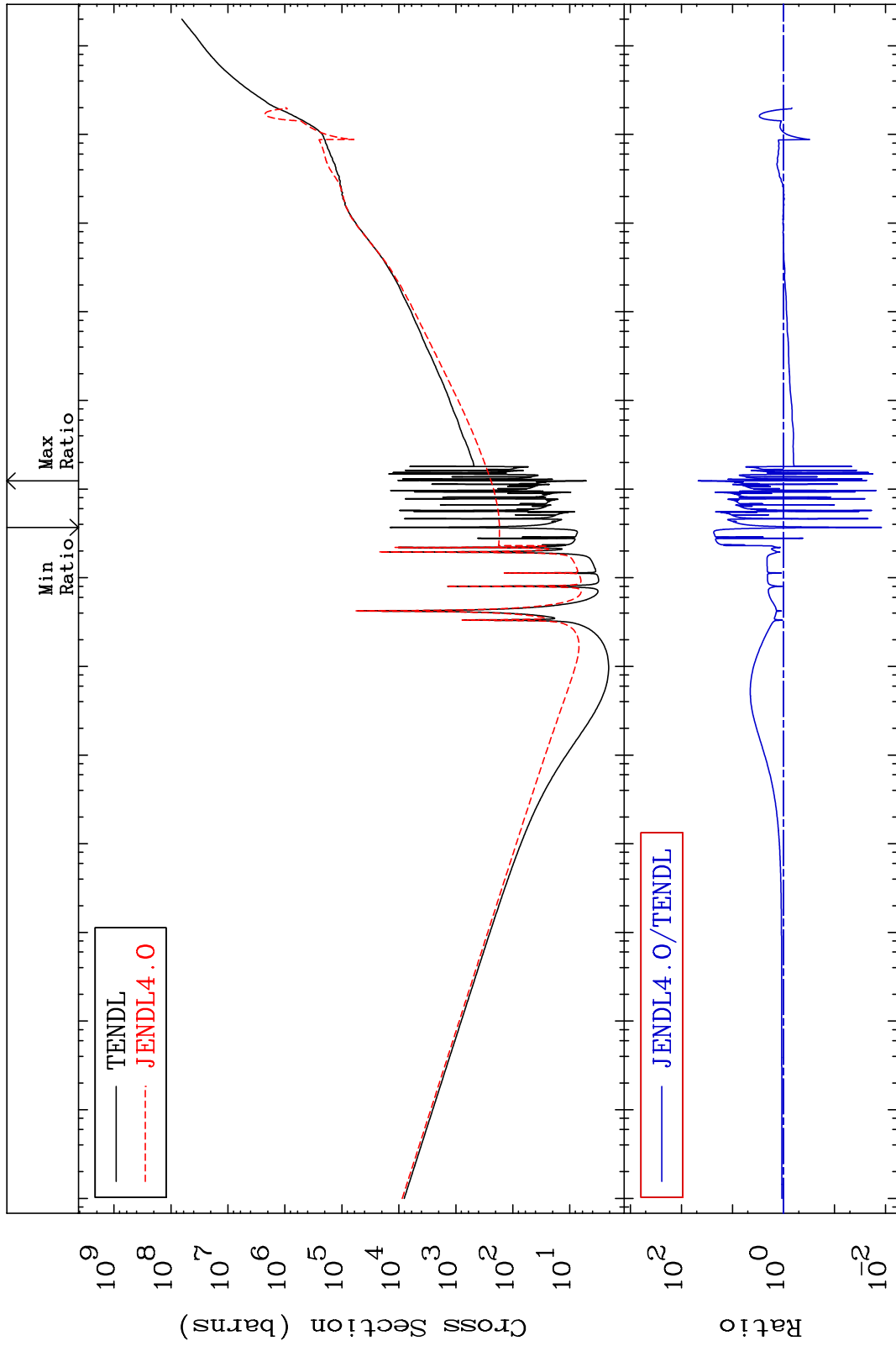
MAT 5531

Total kinematic kerma (high limit)

55-Cs-135

-98.80 To 4559. %

Cross Section



46

Incident Energy (eV)

55-Cs-135

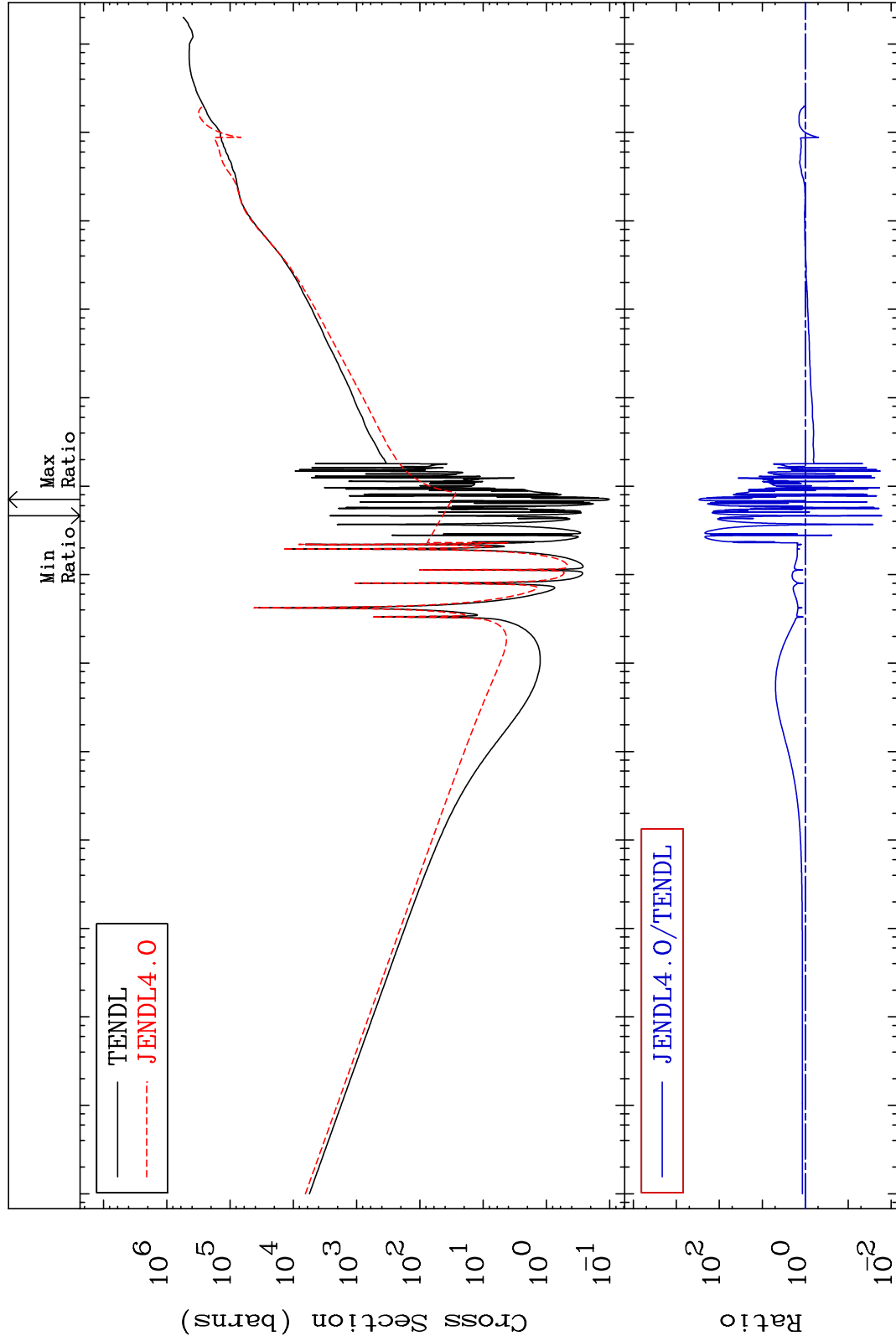
MAT 5531

Dpa total (eV-barns)

55-Cs-135

-98.34 To 9999. %

Cross Section



47

Incident Energy (eV)

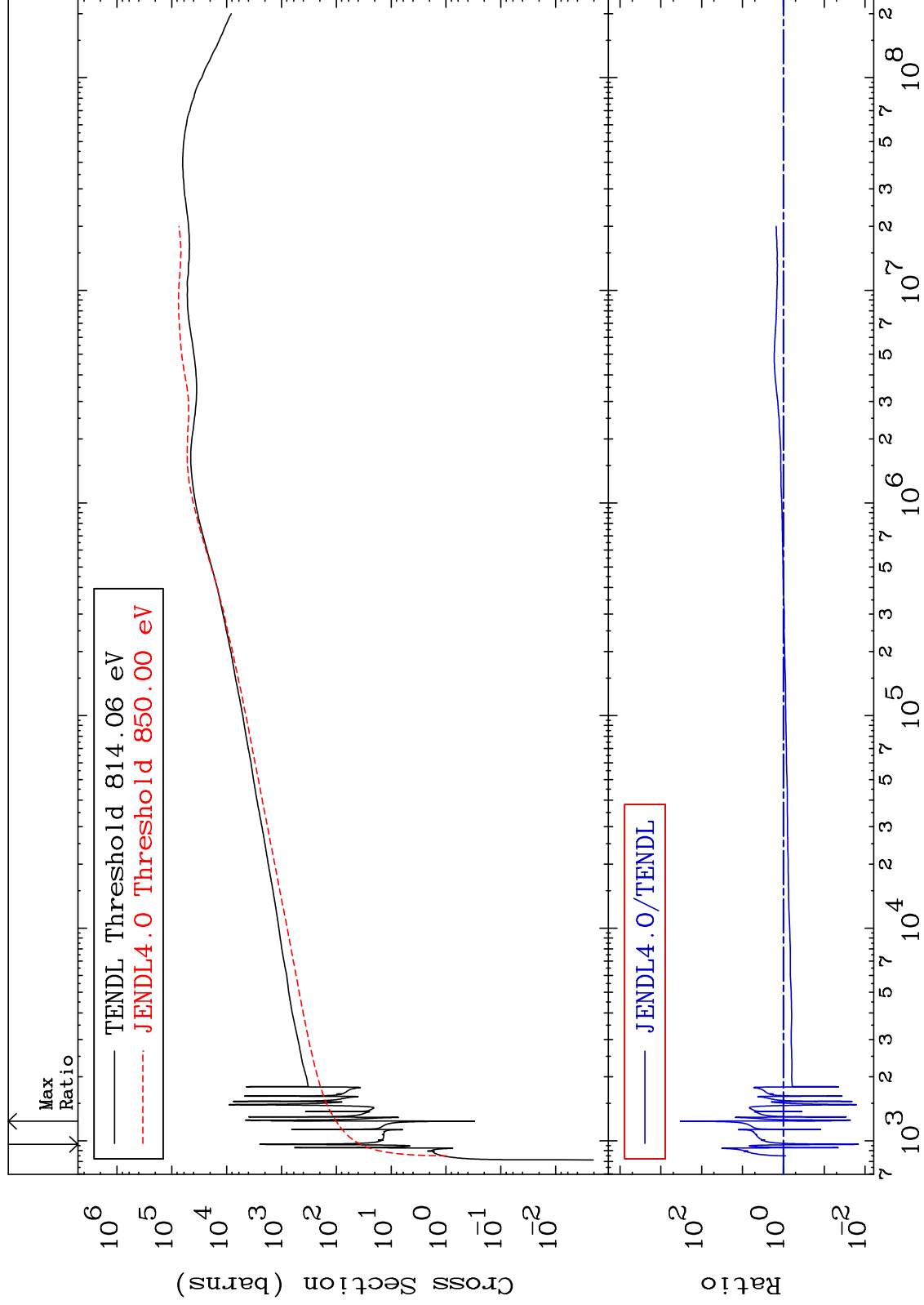
55-Cs-135



MAT 5531

Dpa elastic (mt2)  
Cross Section

55-Cs-135  
-98.56 To 9999. %



48

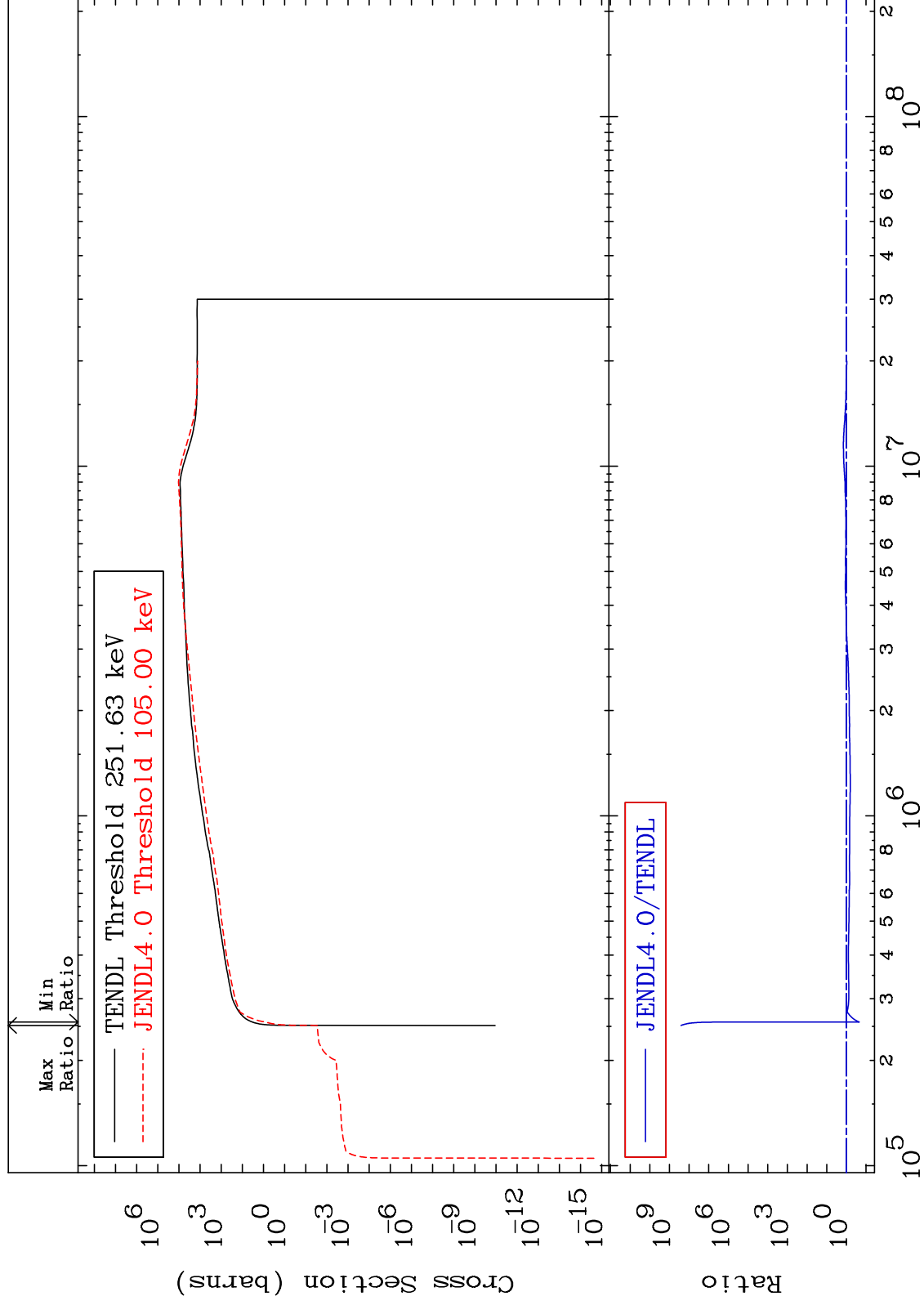
Incident Energy (eV)

55-Cs-135

MAT 5531

Dpa inelastic (mt51-91)  
Cross Section

55-Cs-135  
-77.91 To 9999. %



49

Incident Energy (eV)

55-Cs-135

MAT 5531

Dpa disappearance (mt102 -120)  
Cross Section

55-Cs-135  
-98.34 To 9999. %

