

Program Complot  
(Version 2018-1)

by

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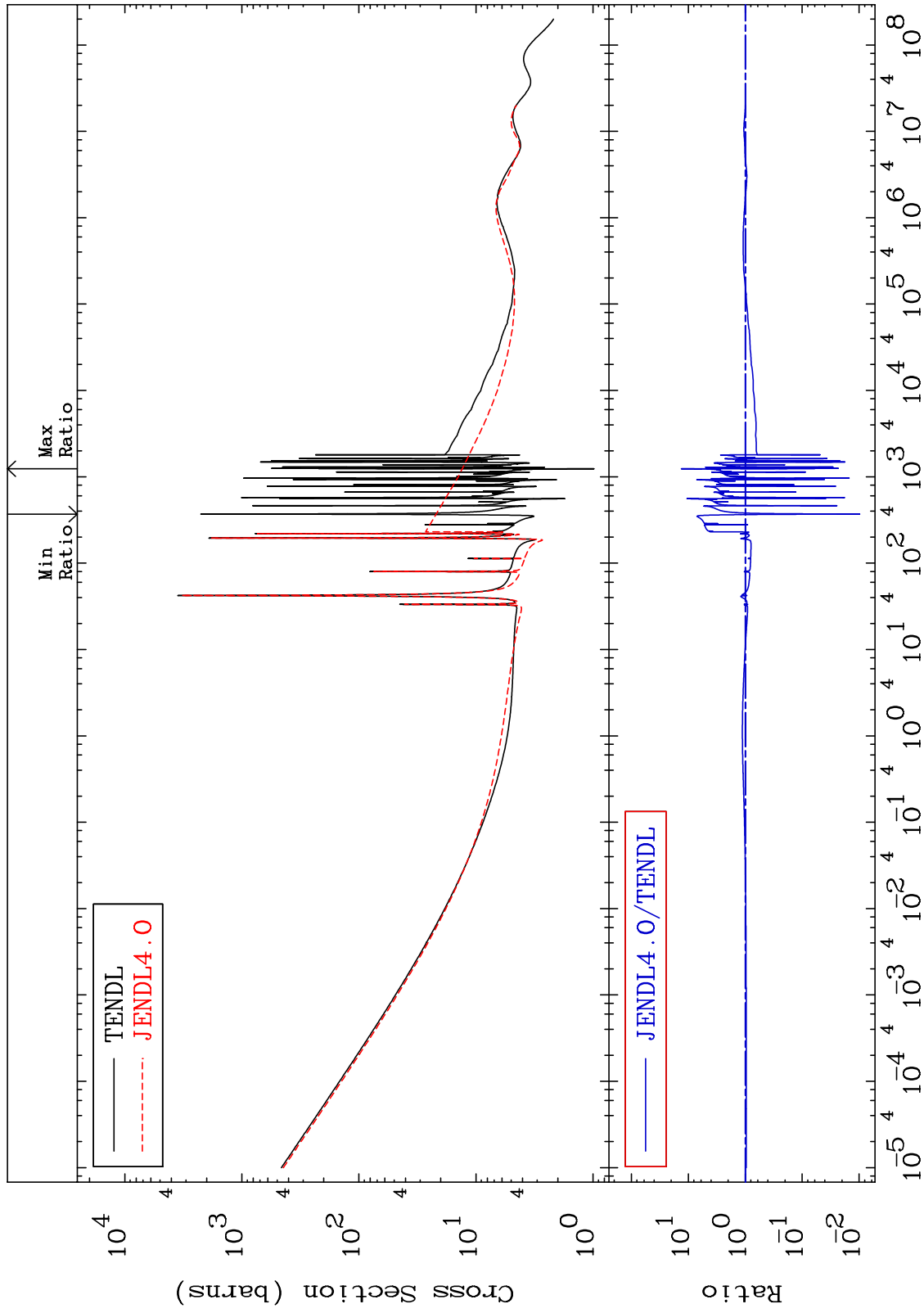
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5531

Total  
Cross Section

55-Cs-135  
-99.03 To 1232. %



1

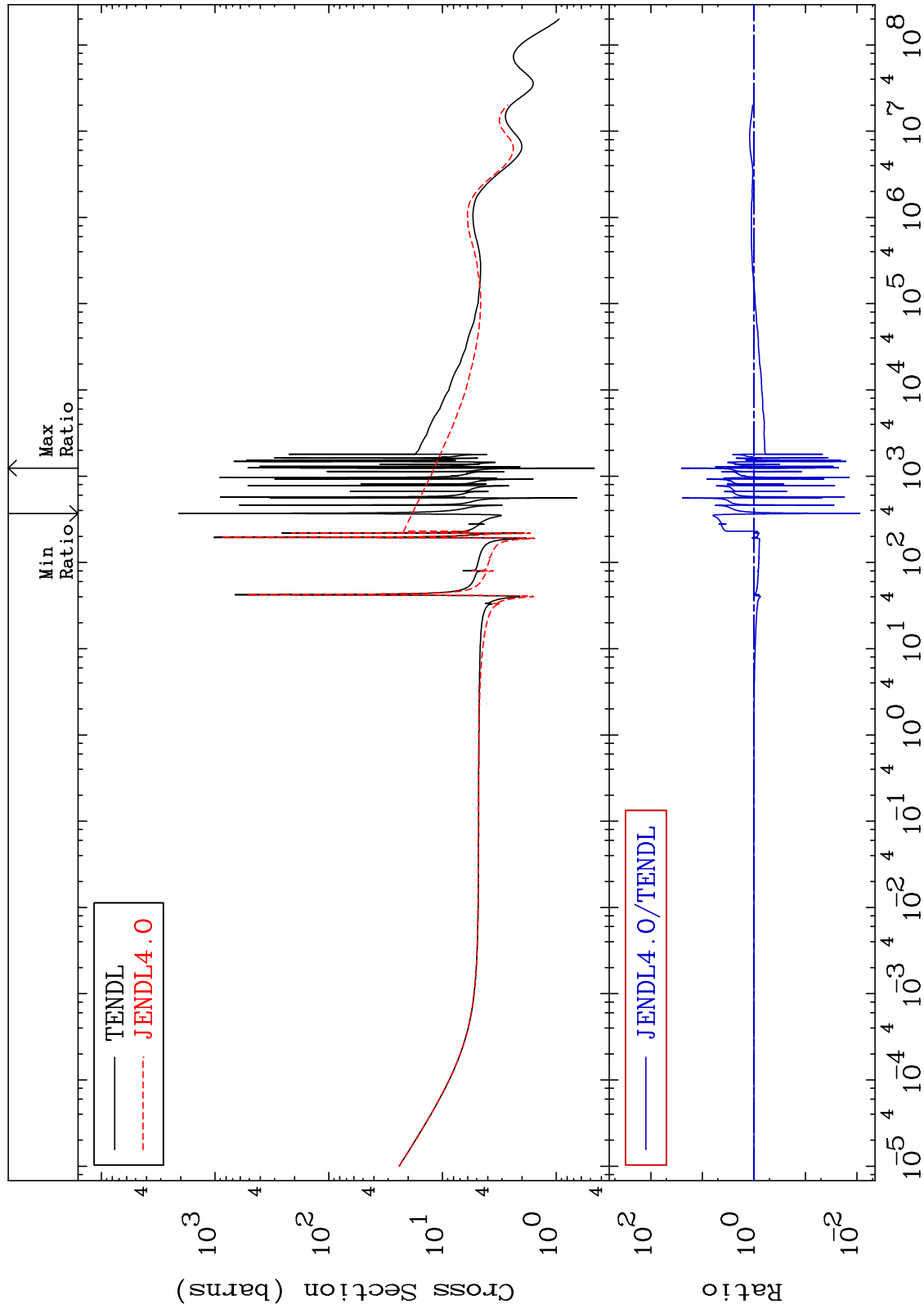
Incident Energy (eV)

55-Cs-135

MAT 5531

Elastic  
Cross Section

55-Cs-135  
-99.12 To 2447. %



2

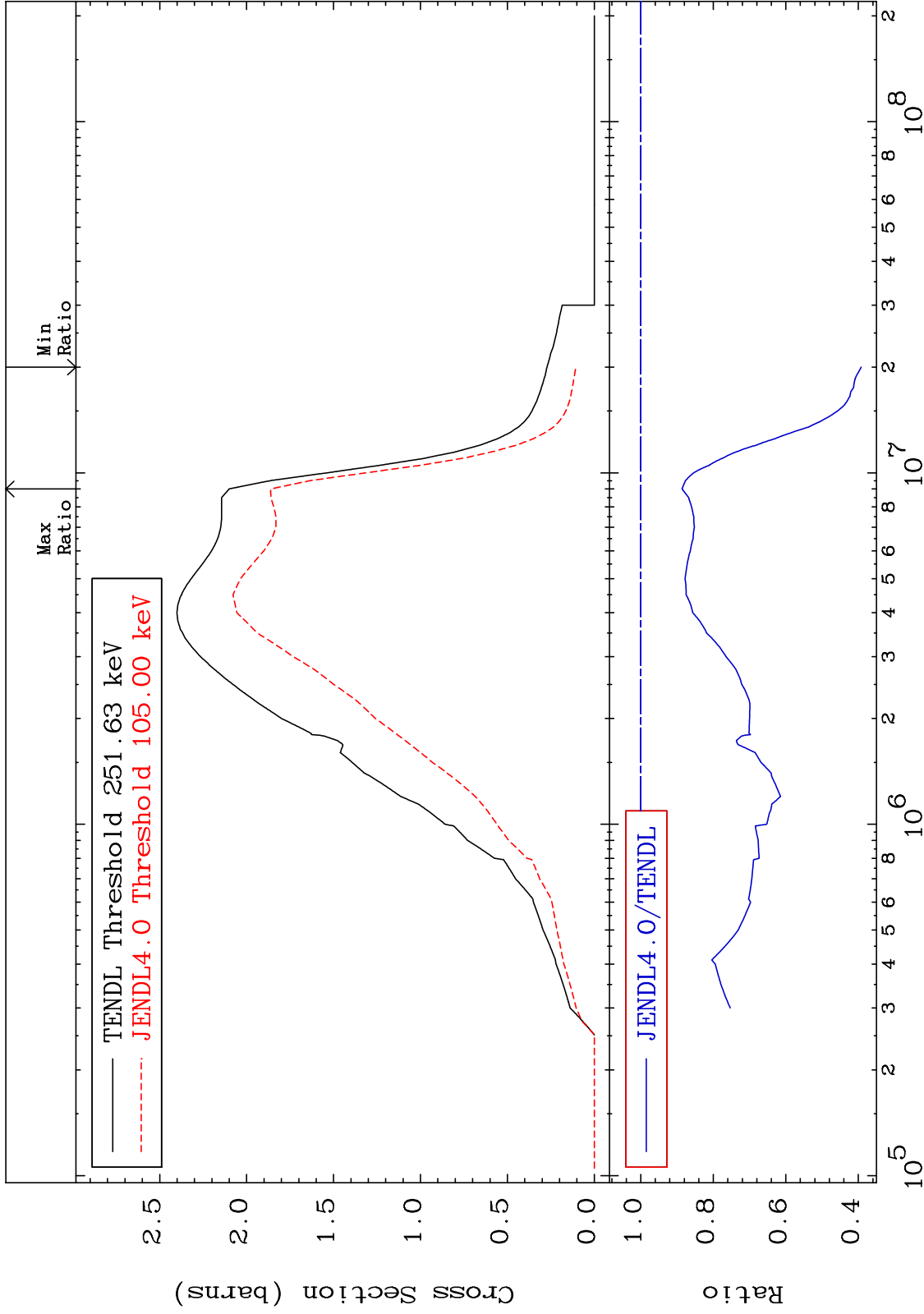
Incident Energy (eV)

55-Cs-135

MAT 5531

Inelastic  
Cross Section

55-Cs-135  
-60.78 To -11.38%



Incident Energy (eV)

55-Cs-135

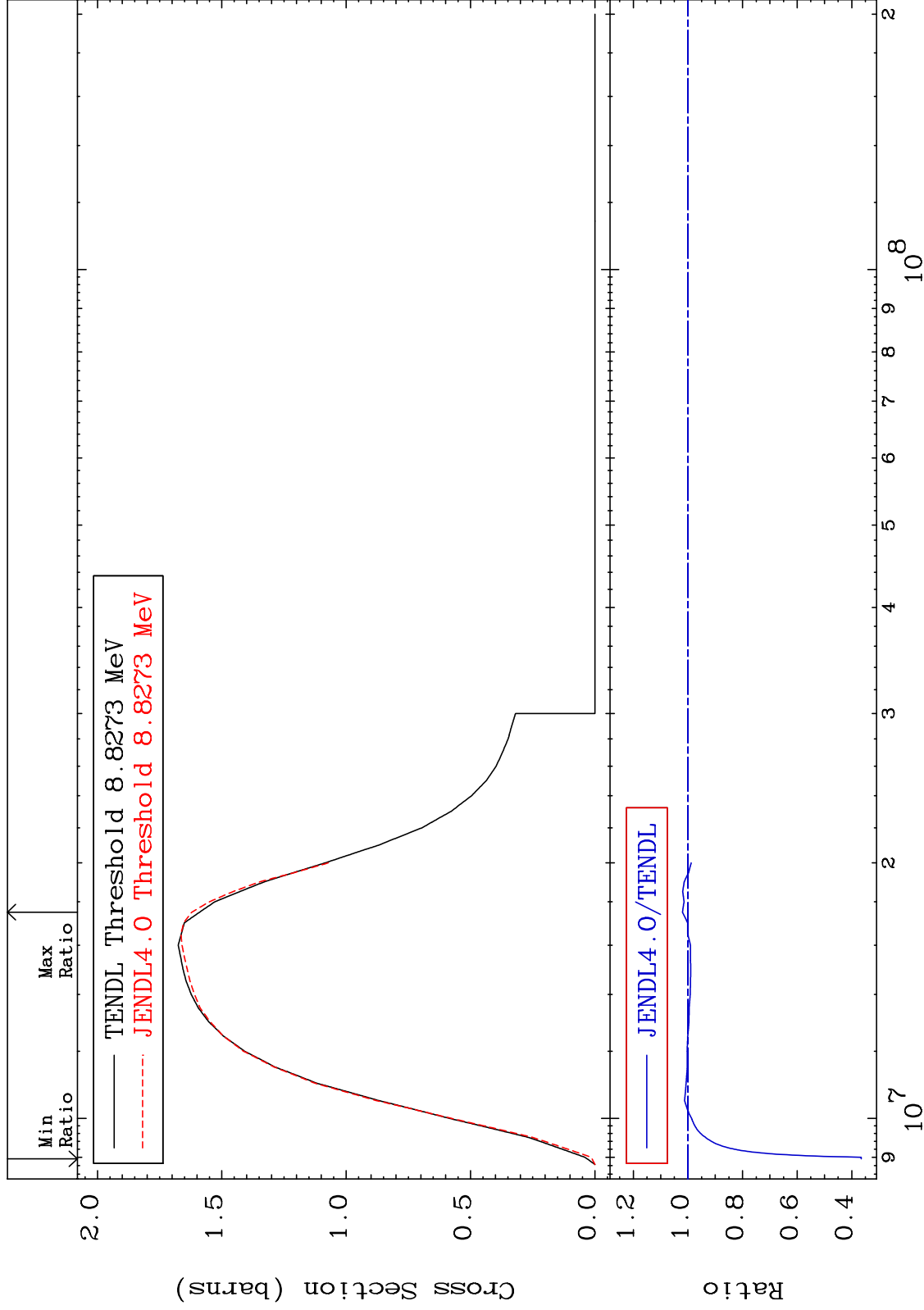
MAT 5531

(n,2n)

55-Cs-135

-63.47 To 2.009 %

Cross Section

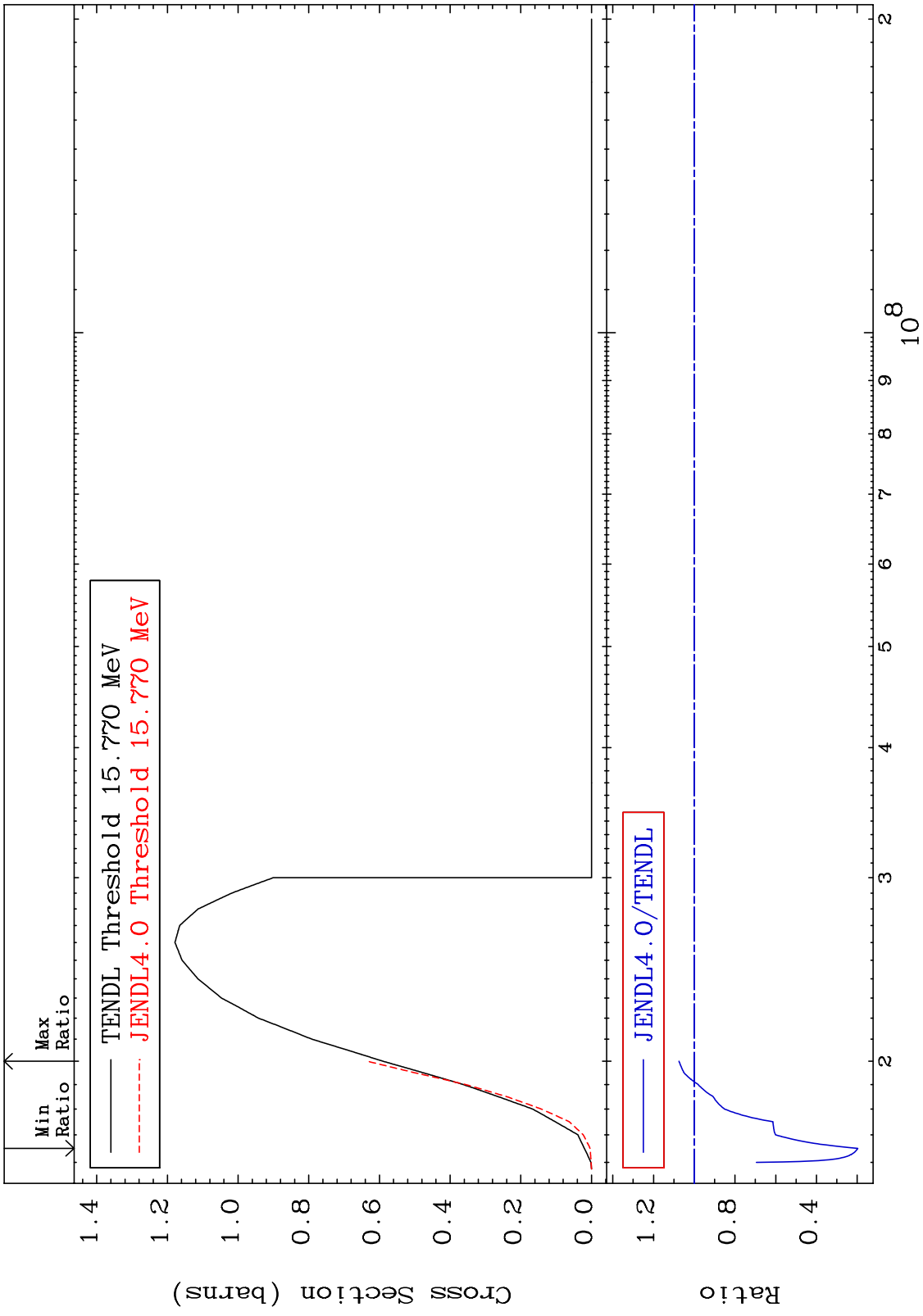


4

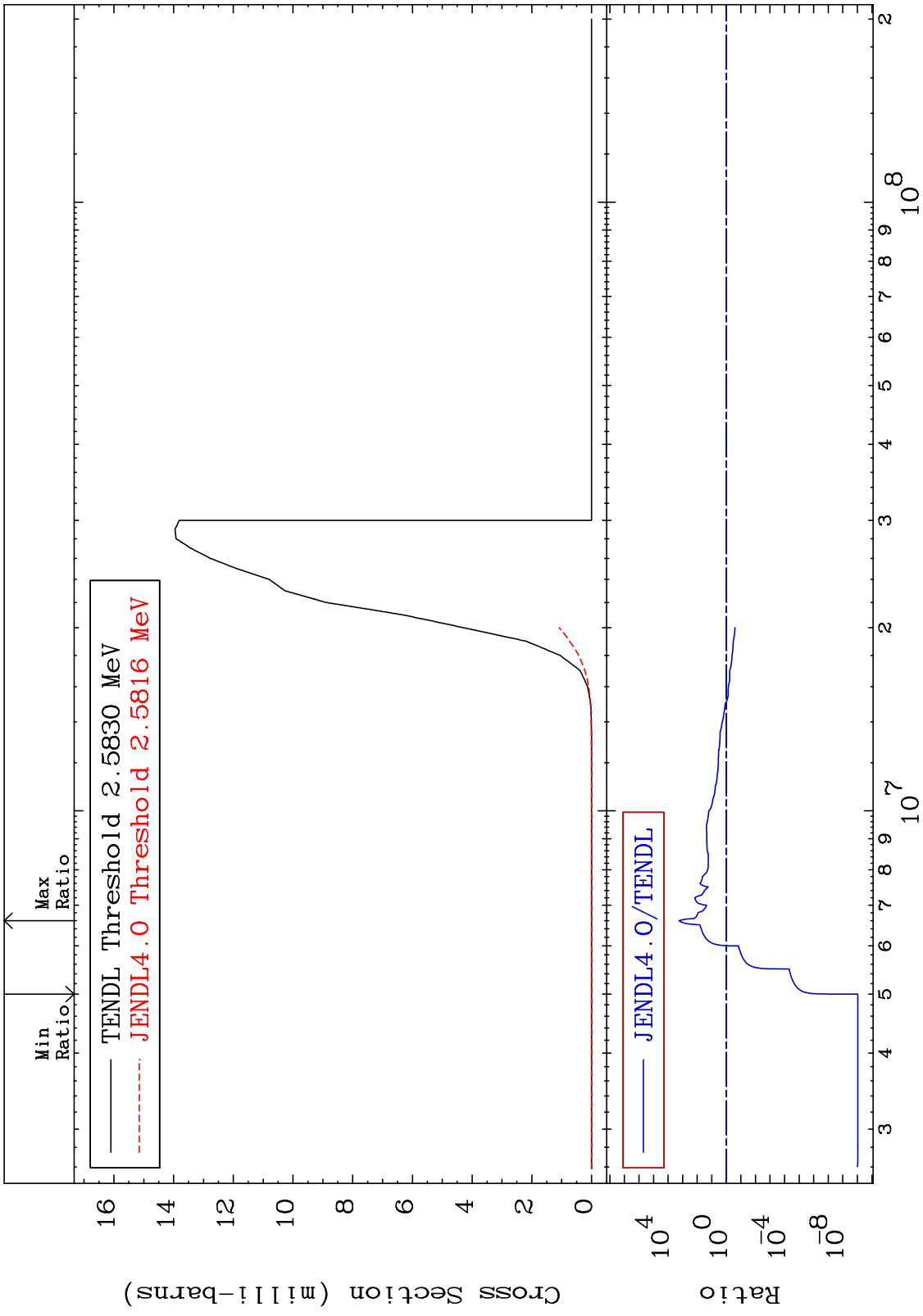
Incident Energy (eV)

55-Cs-135

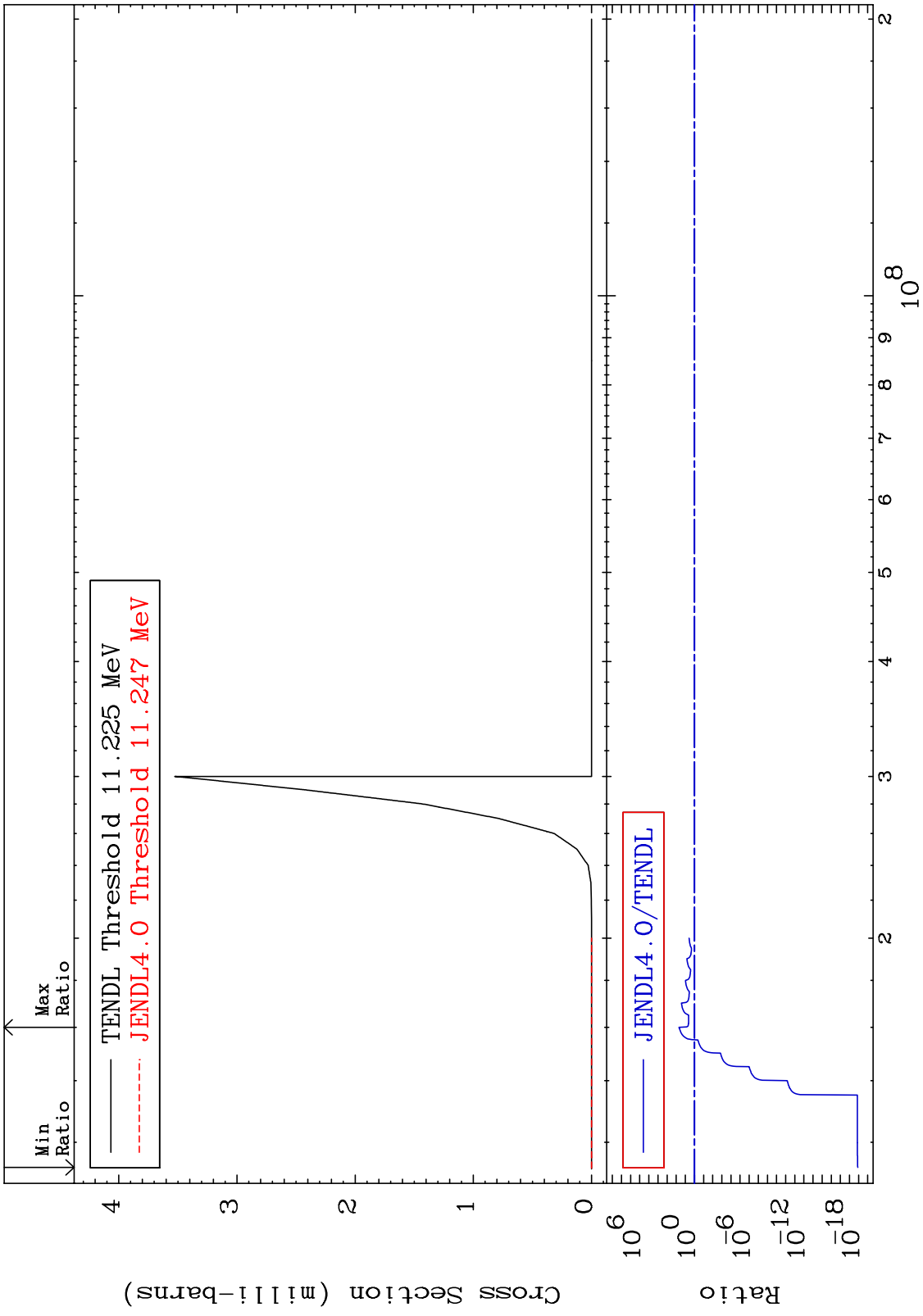
MAT 5531 (n,3n) Cross Section 55-Cs-135 -80.29 To 7.467 %



MAT 5531  $(n, n') \alpha$  55-Cs-135  
 -100.0 To 9999. %  
 Cross Section

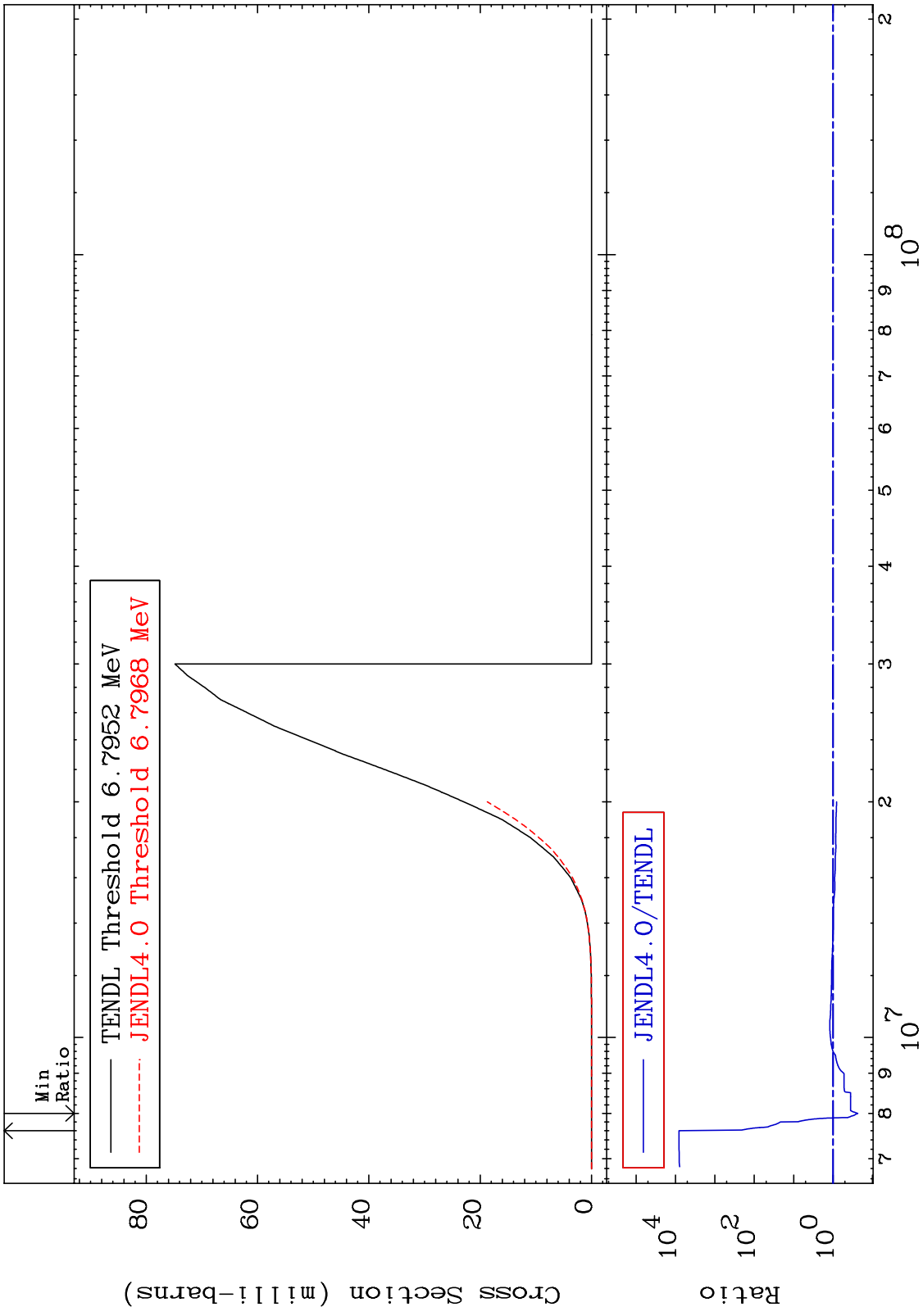


MAT 5531  $(n, 2n) \alpha$  55-Cs-135  
 Cross Section -100.0 To 4792. %



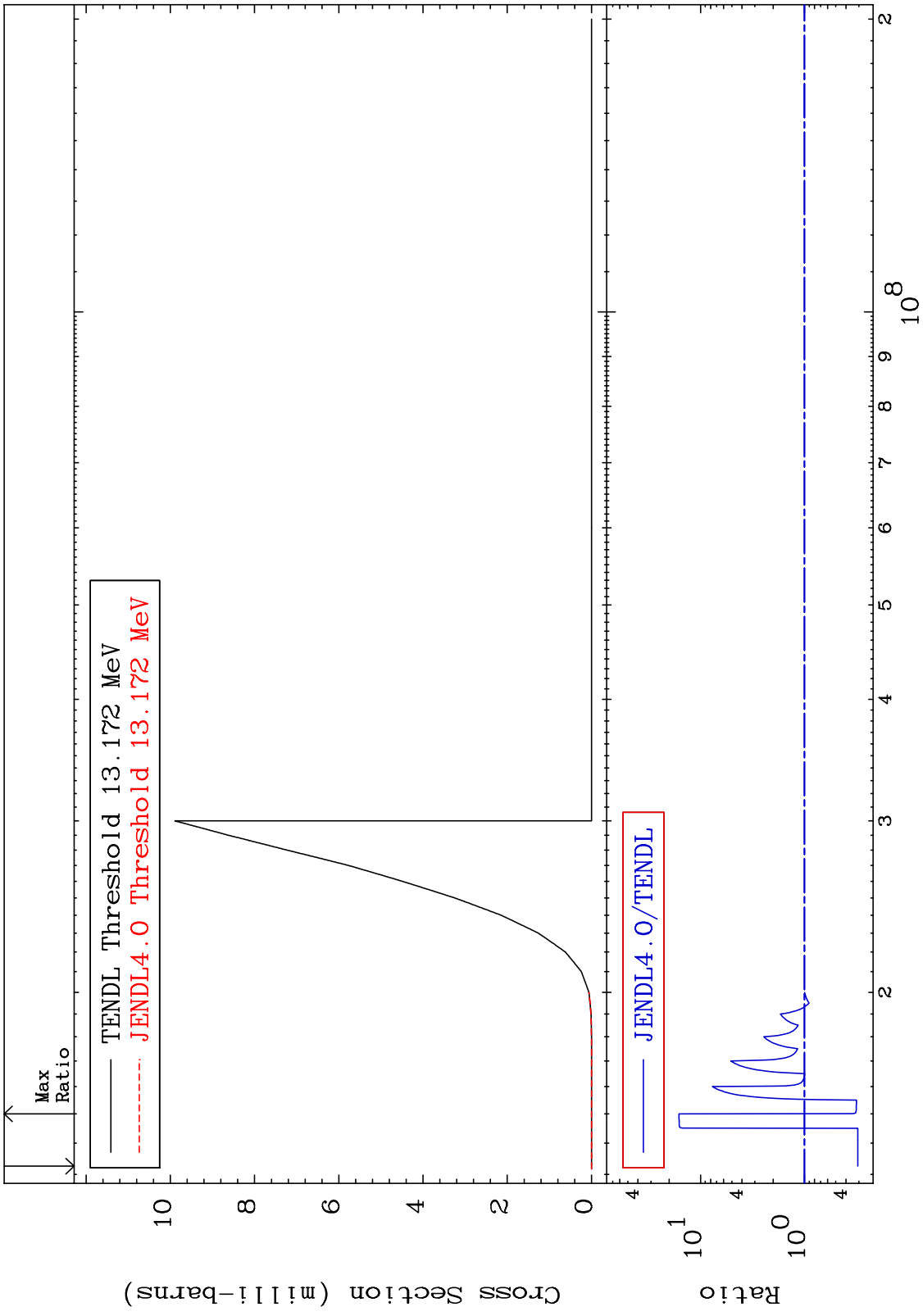


MAT 5531 (n,n') p 55-Cs-135  
 Cross Section -76.46 To 9999. %

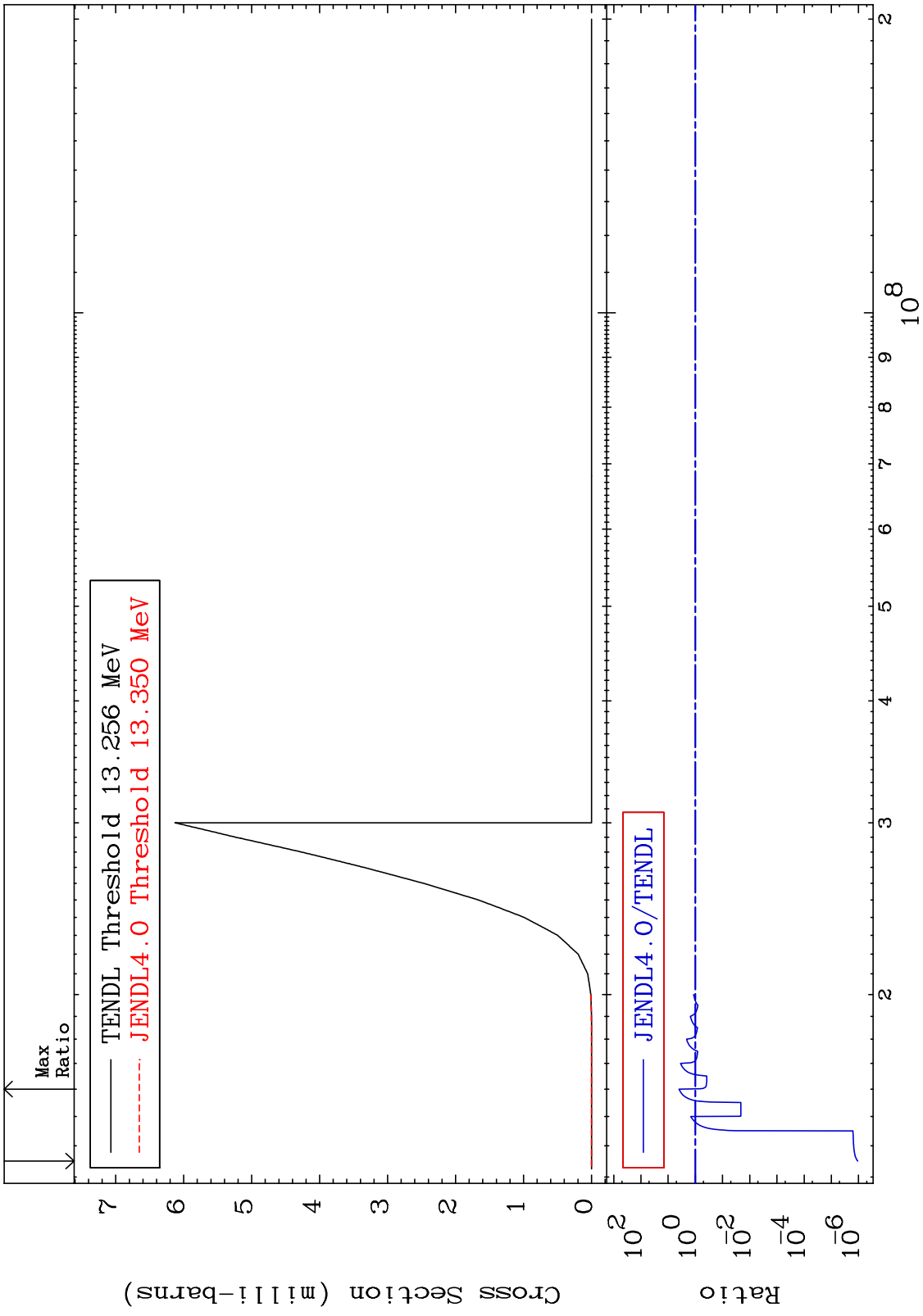


8 Incident Energy (eV) 55-Cs-135

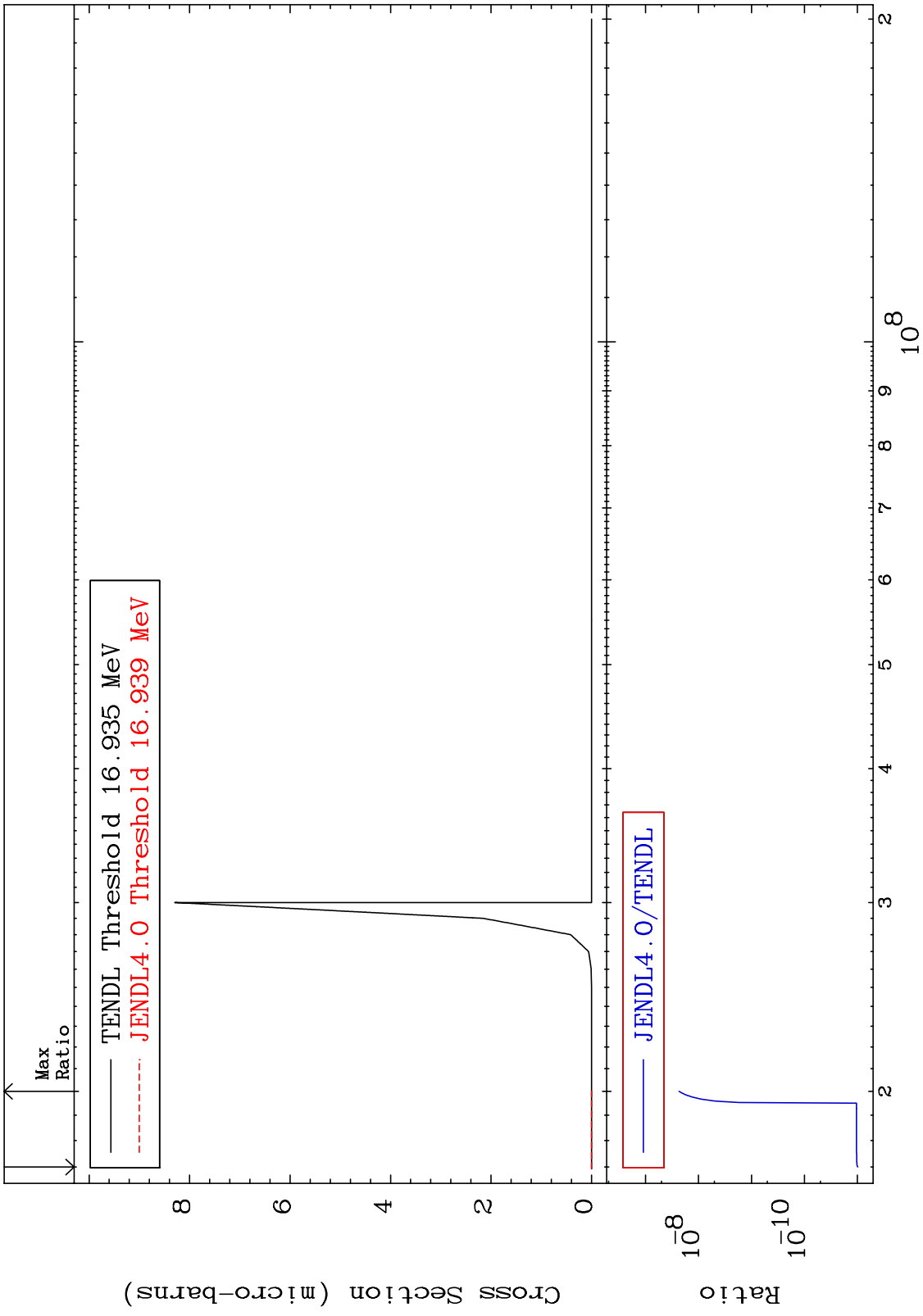
MAT 5531 (n,n') d 55-Cs-135  
 Cross Section -69.29 To 1510. %



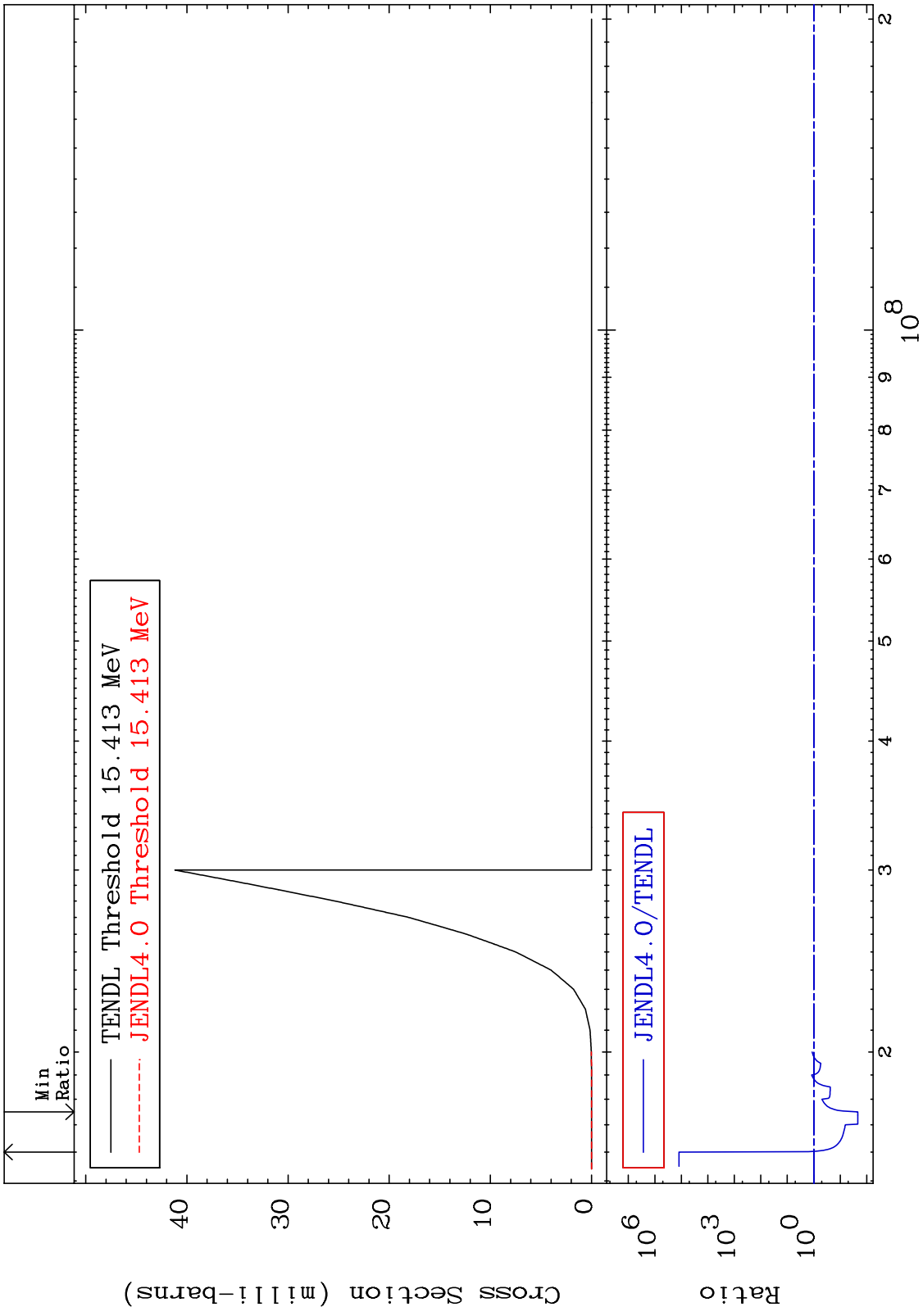
MAT 5531 (n,n') t 55-Cs-135  
 Cross Section -100.0 To 297.3 %



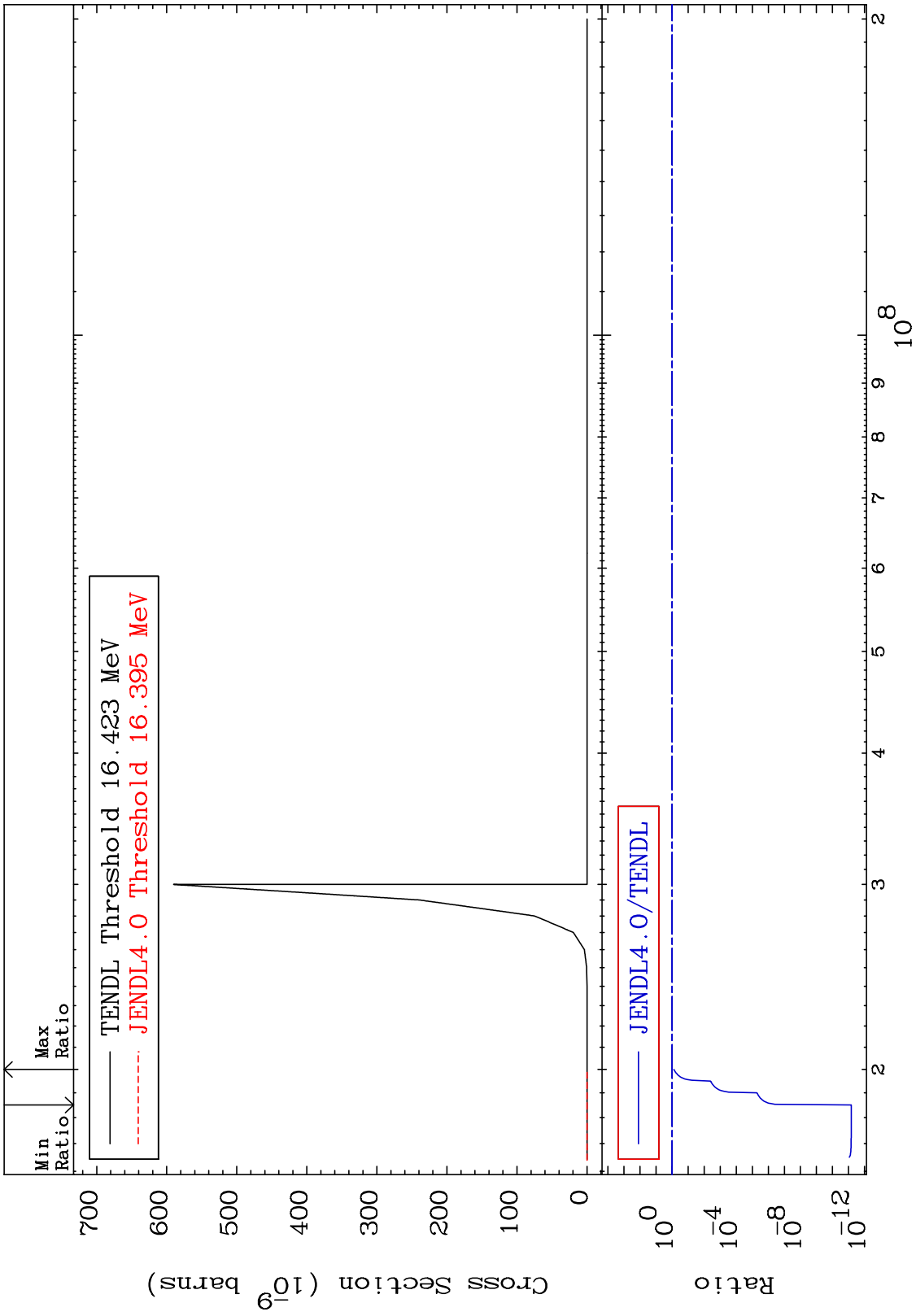
MAT 5531 (n, n') He-3 55-Cs-135  
 Cross Section -100.0 To -100.0%



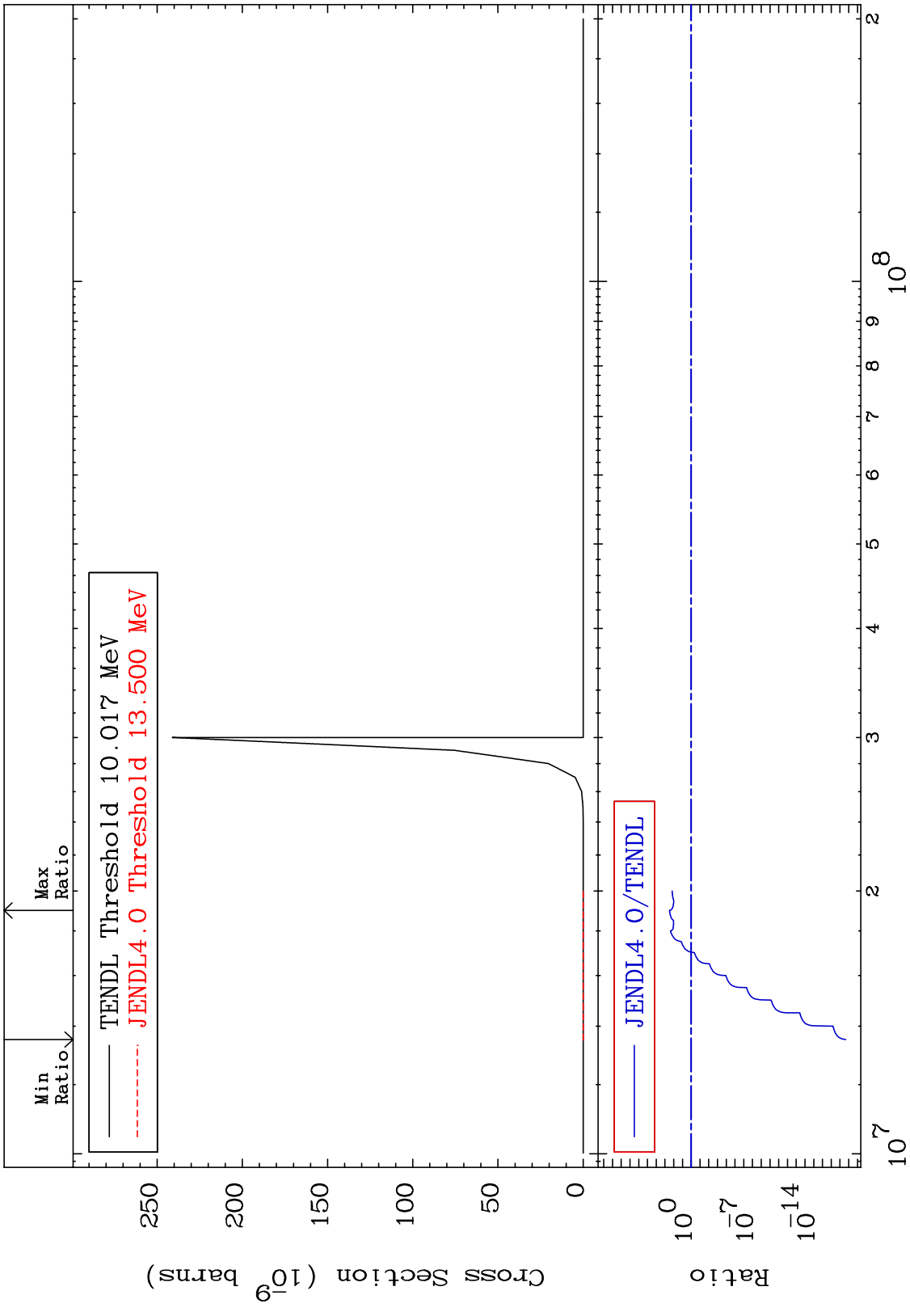
MAT 5531 (n,2n) p 55-Cs-135  
 Cross Section -97.83 To 9999. %



MAT 5531 (n,2n) p 55-Cs-135  
 Cross Section -100.0 To -22.70%

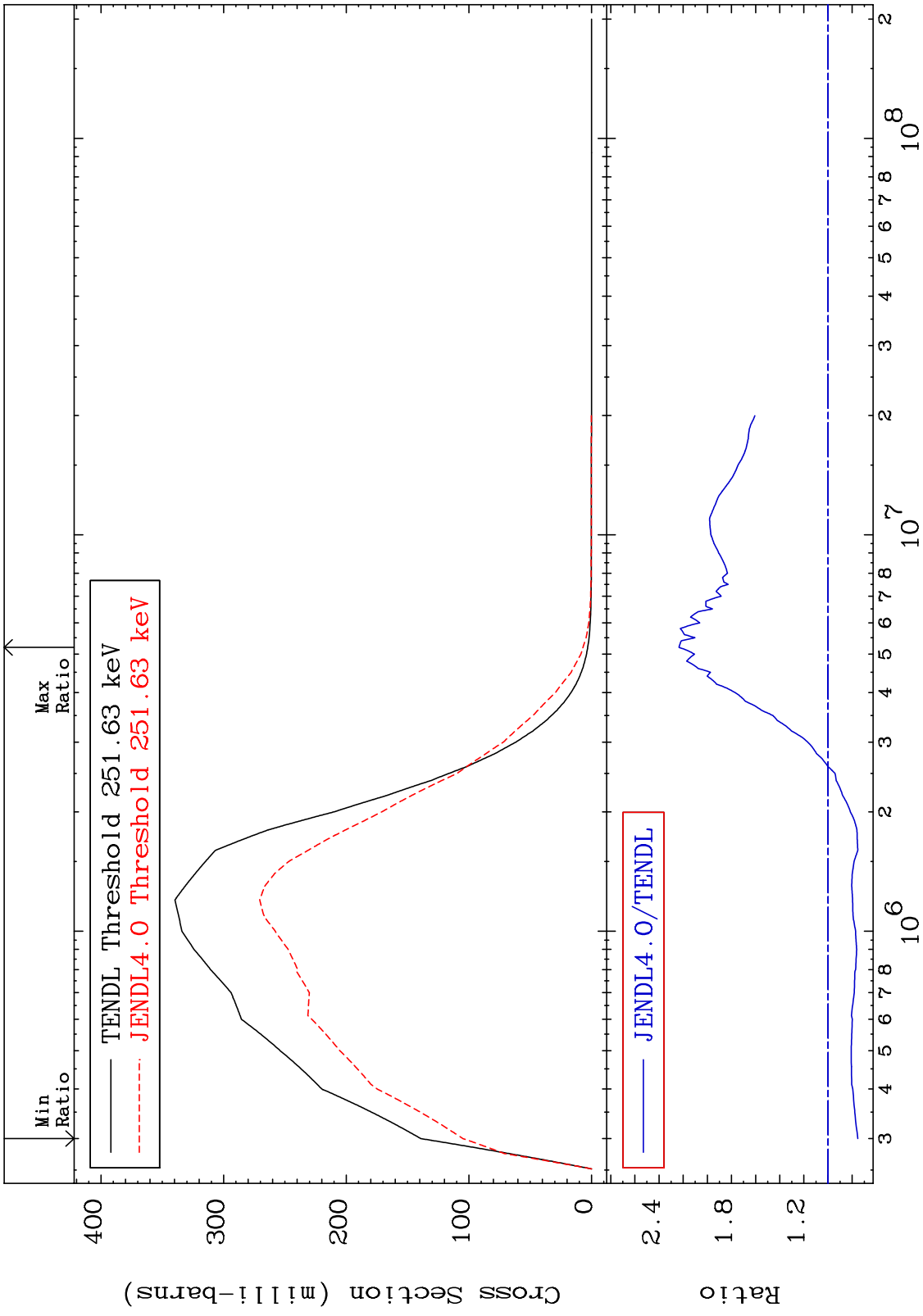


MAT 5531  $(n,n')$  p  $\alpha$  55-Cs-135  
 Cross Section -100.0 To 9999. %



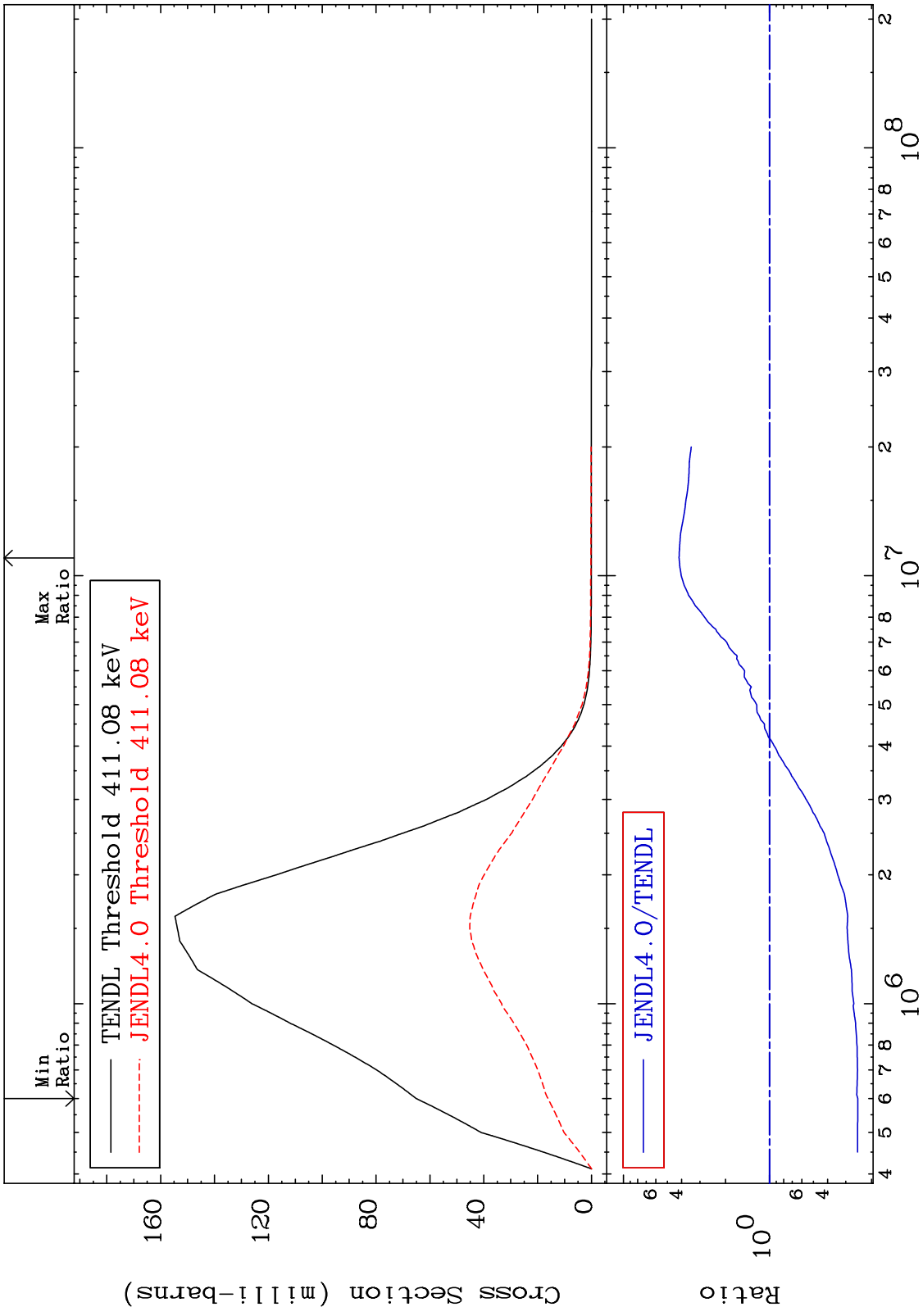
14 55-Cs-135 Incident Energy (eV)

MAT 5531 MT= 51 (n,n') Level Cross Section 55-Cs-135 -24.68 To 123.4 %

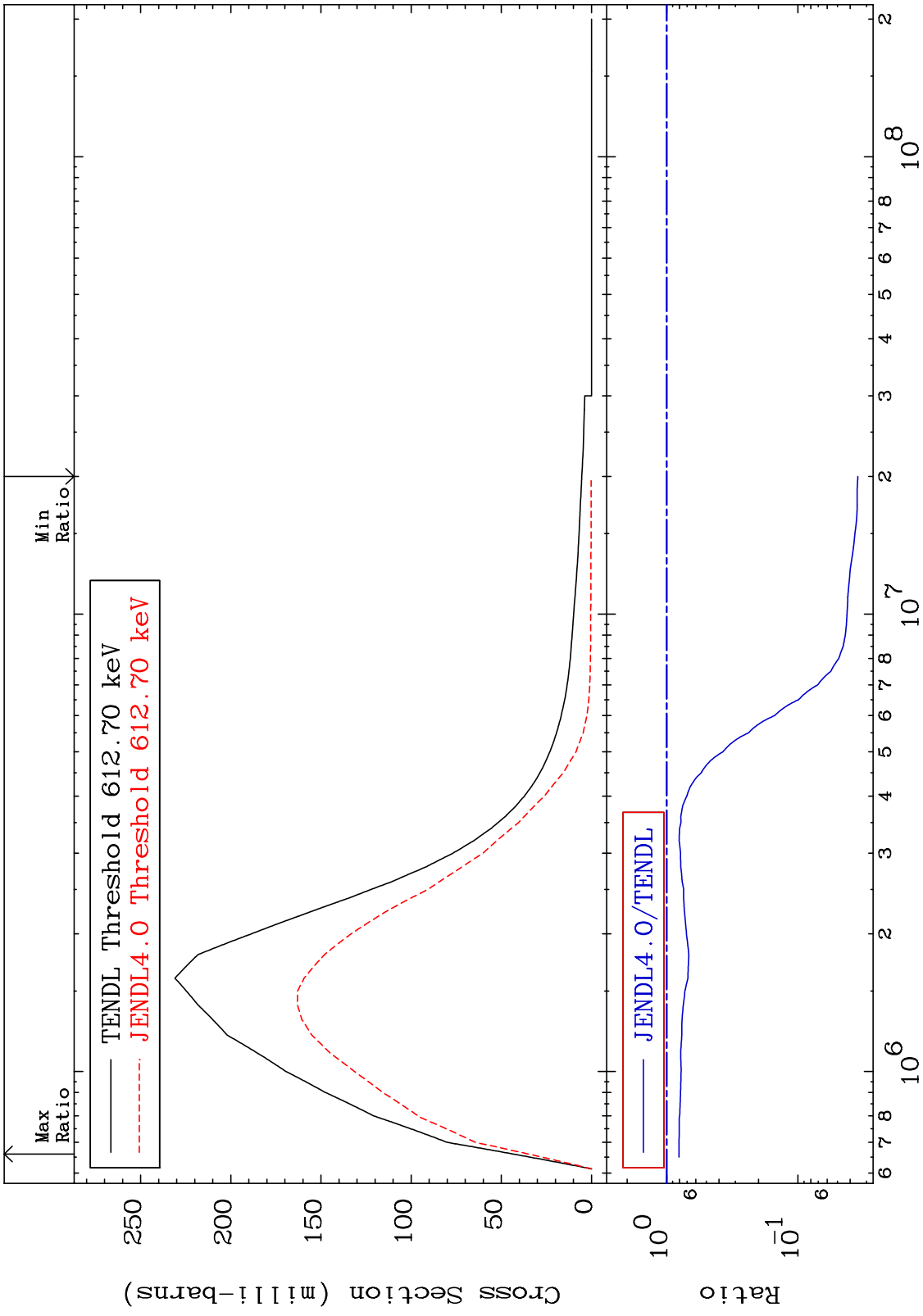




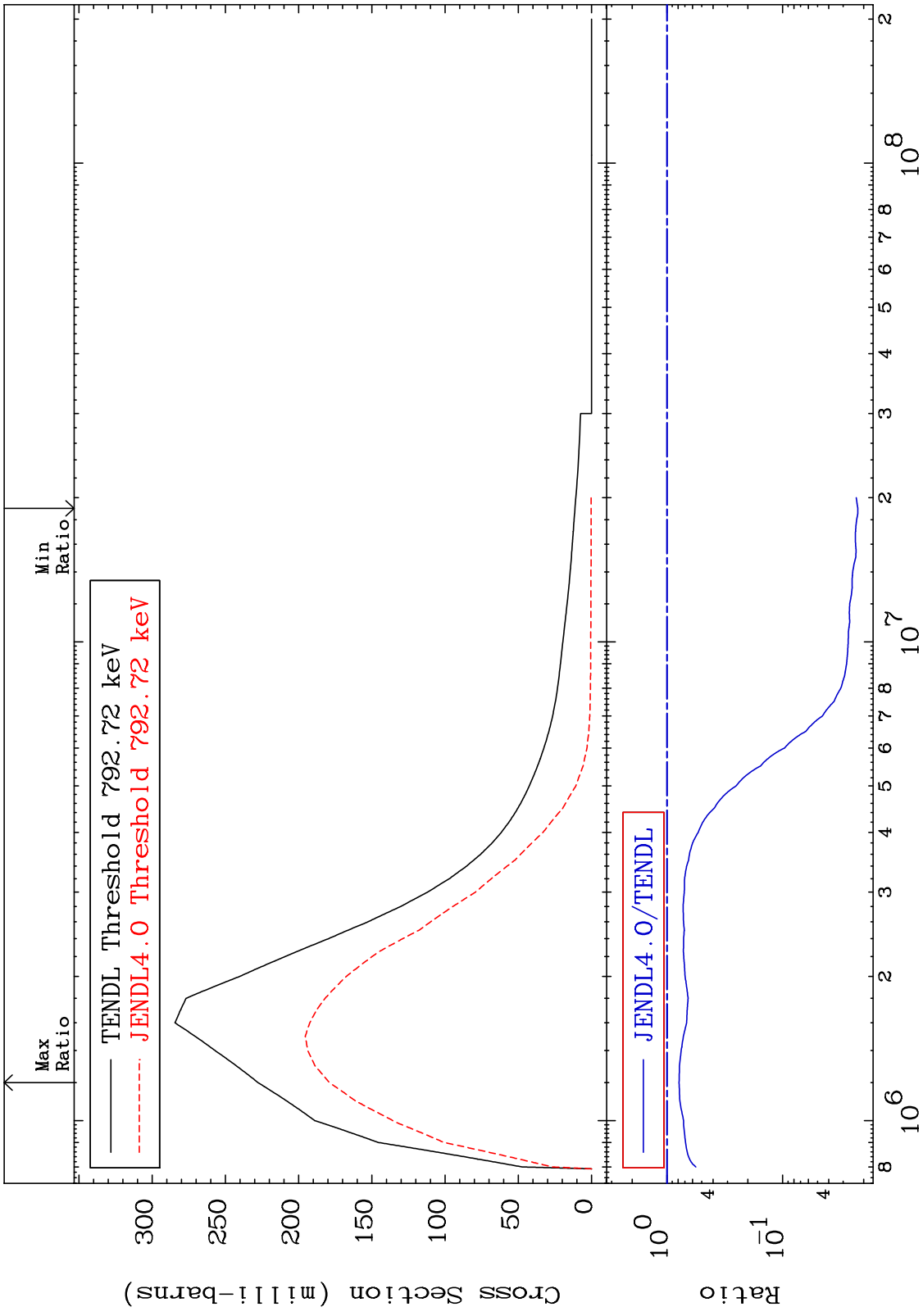
MAT 5531 MT= 52 (n,n') Level Cross Section 55-Cs-135  
 -75.17 To 316.5 %



MAT 5531 MT= 53 (n,n') Level Cross Section 55-Cs-135 -96.50 To -19.50%



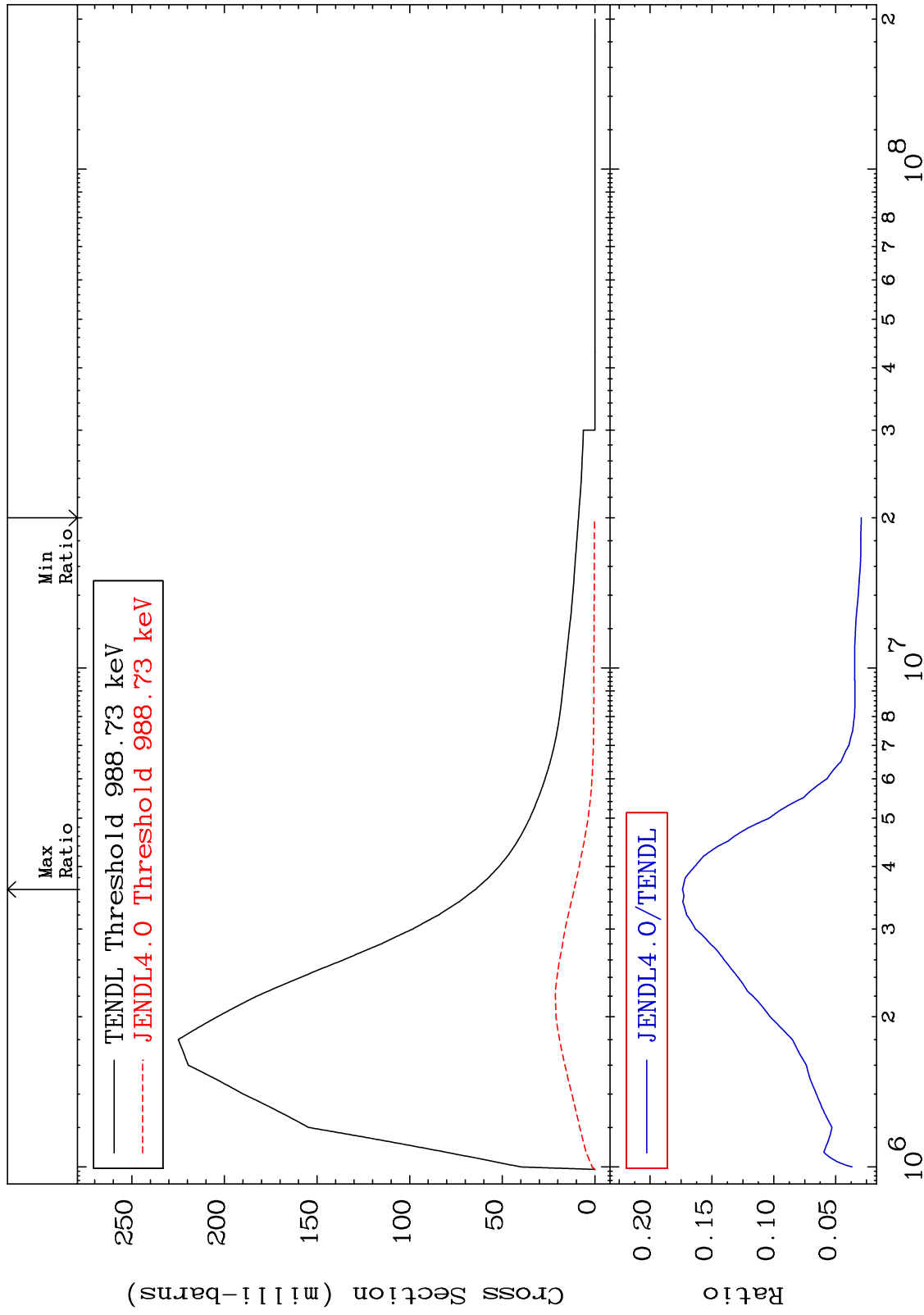
MAT 5531 MT= 54 (n,n') Level Cross Section 55-Cs-135  
 -97.76 To -21.38%



MAT 5531

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

55-Cs-135  
-97.07 To -82.61%

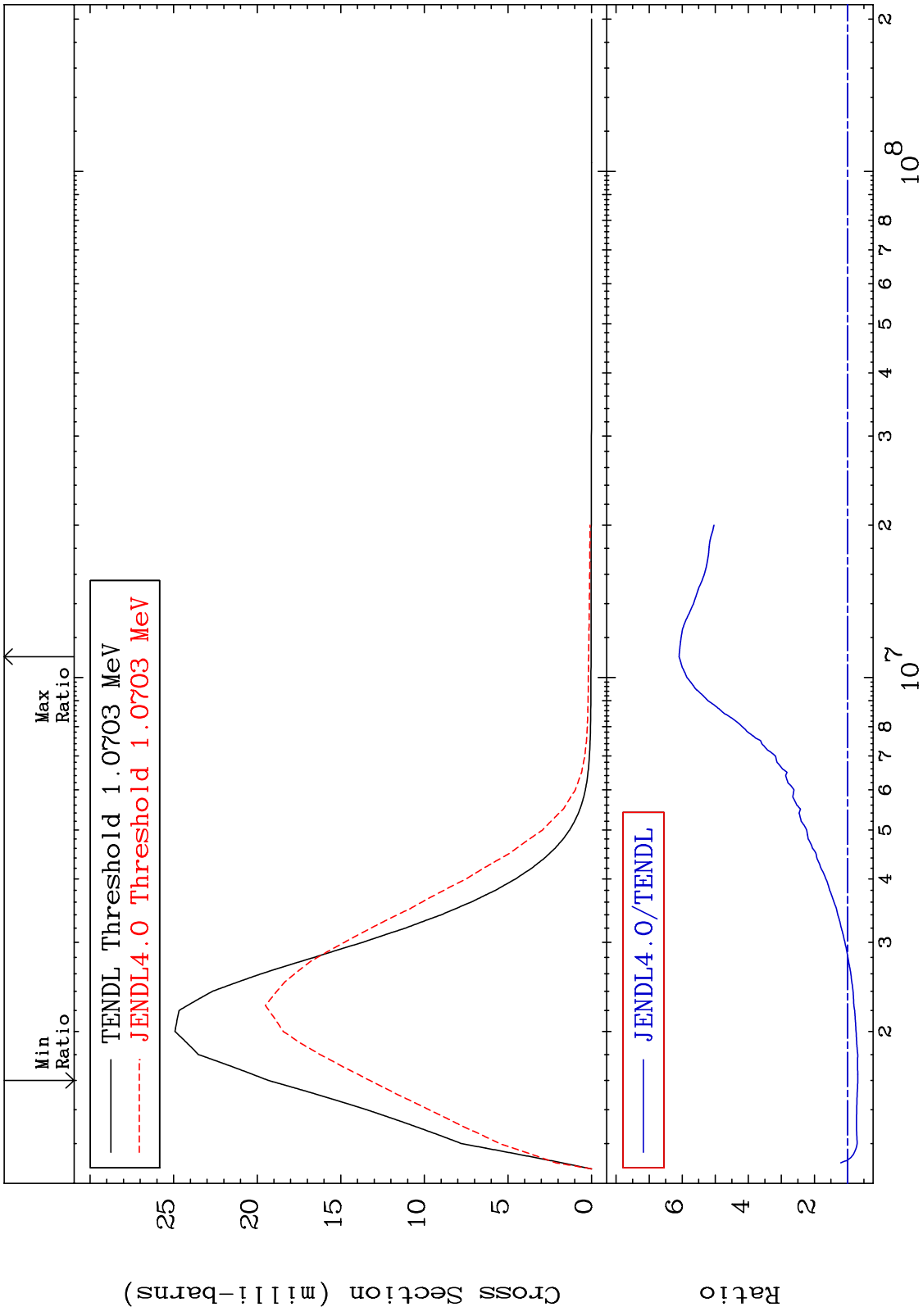


Incident Energy (eV)

19

55-Cs-135

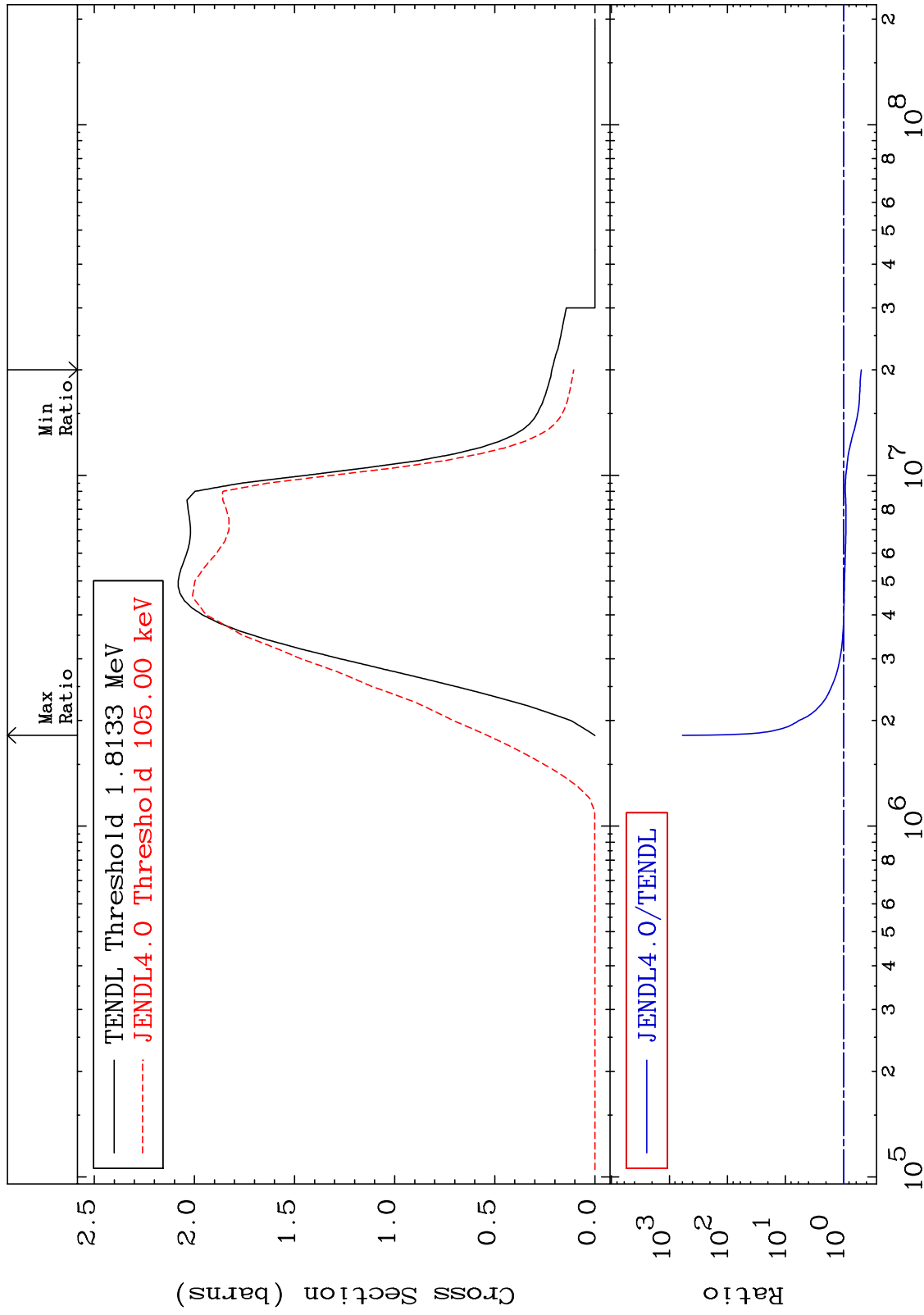
MAT 5531 MT= 56 (n,n') Level Cross Section 55-Cs-135  
 -31.40 To 509.6 %



MAT 5531

(n,n') Continuum  
Cross Section

55-Cs-135  
-50.76 To 9999. %



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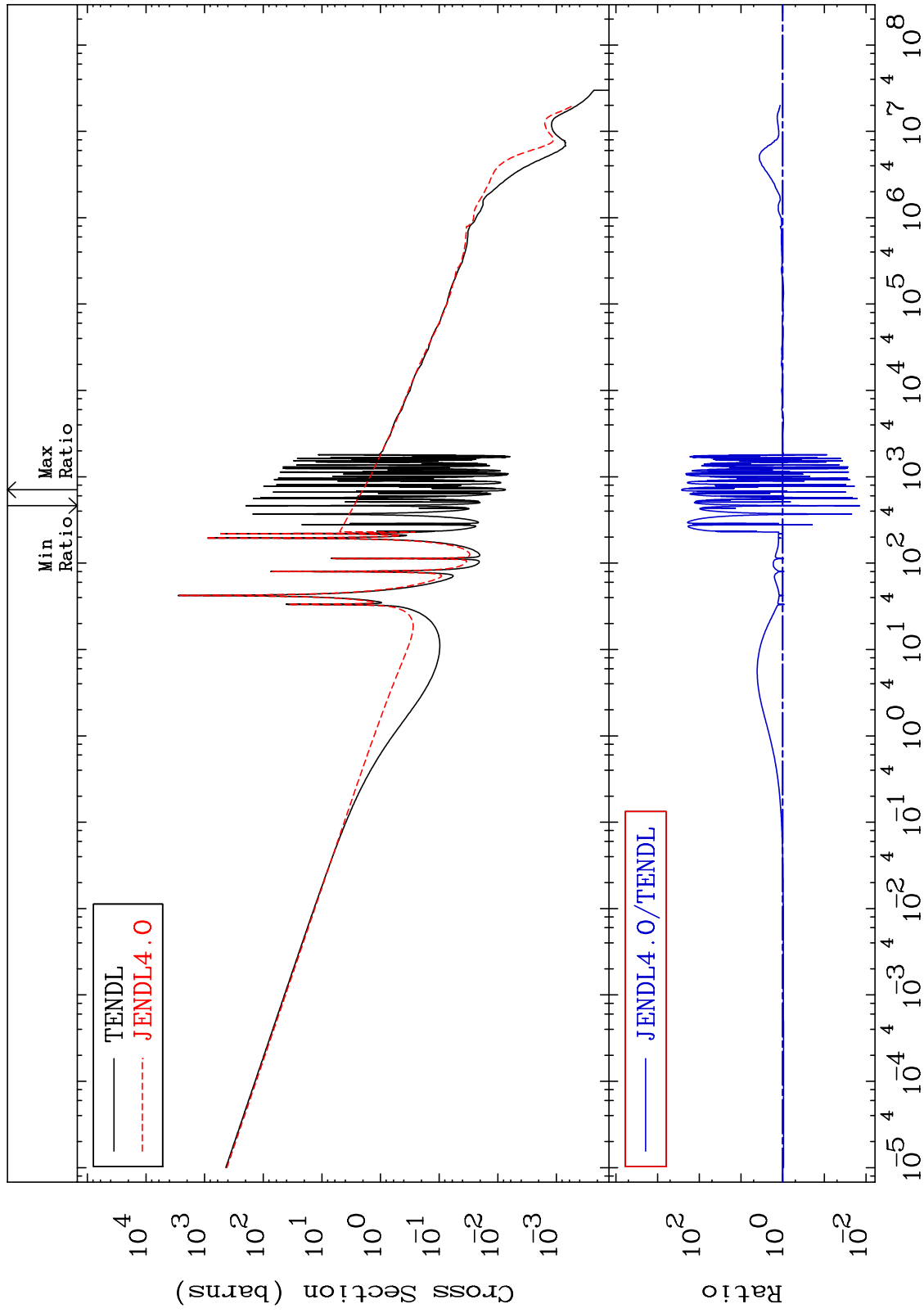
Incident Energy (eV)

55-Cs-135

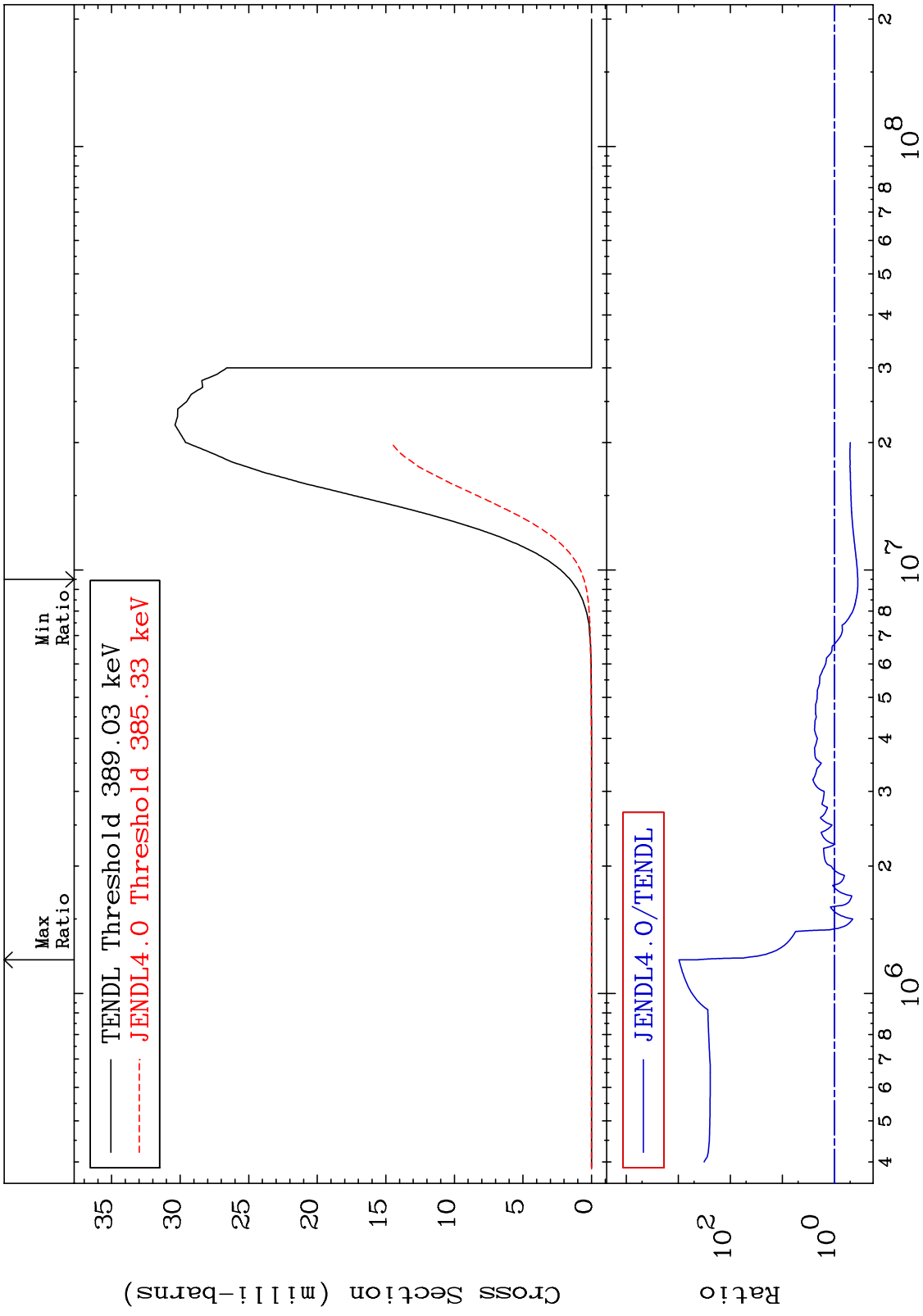
MAT 5531

(n,  $\gamma$ )  
Cross Section

55-Cs-135  
-98.58 To 9999. %



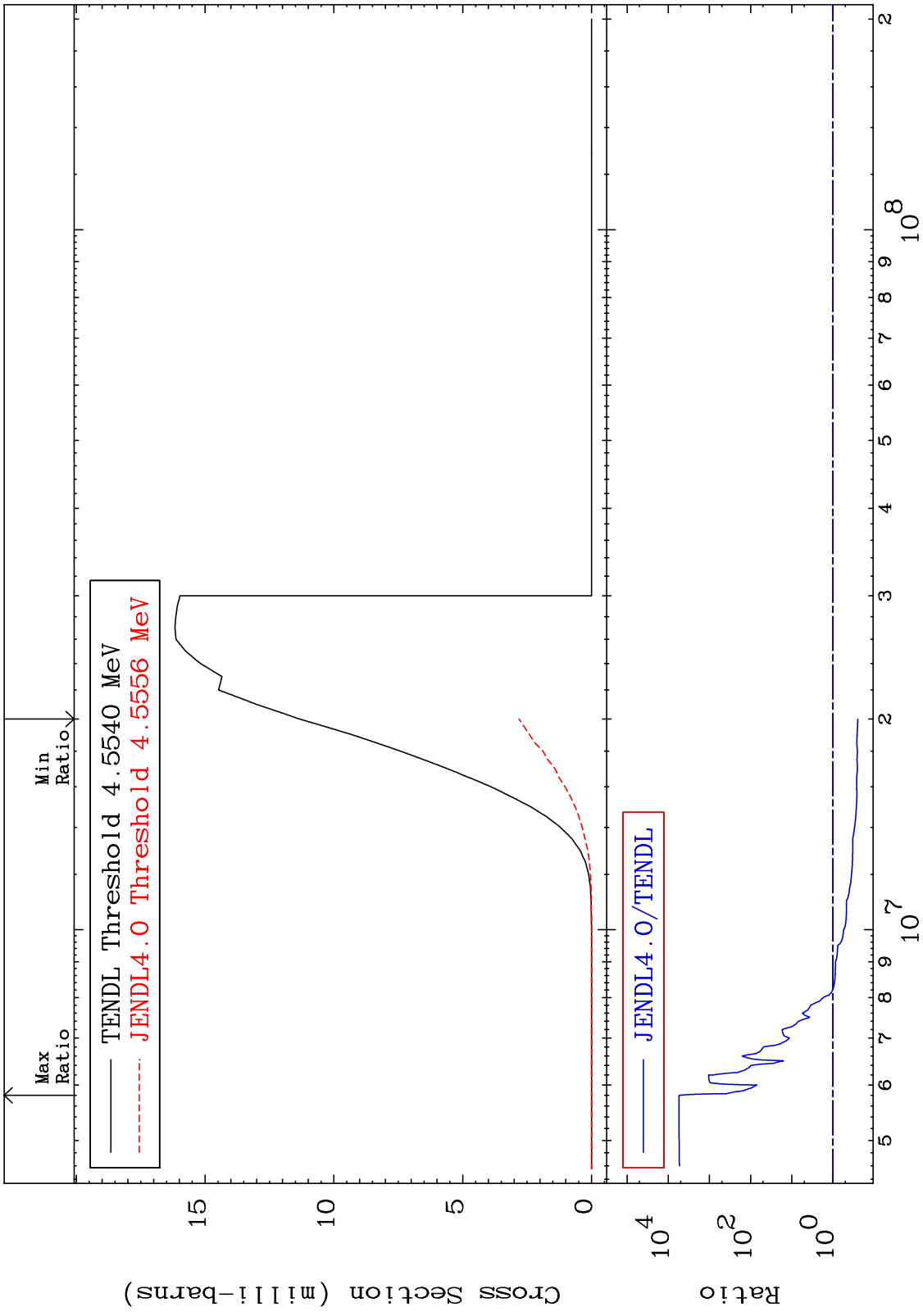
MAT 5531 (n,p) Cross Section 55-Cs-135 -64.60 To 9999. %



Incident Energy (eV) 55-Cs-135

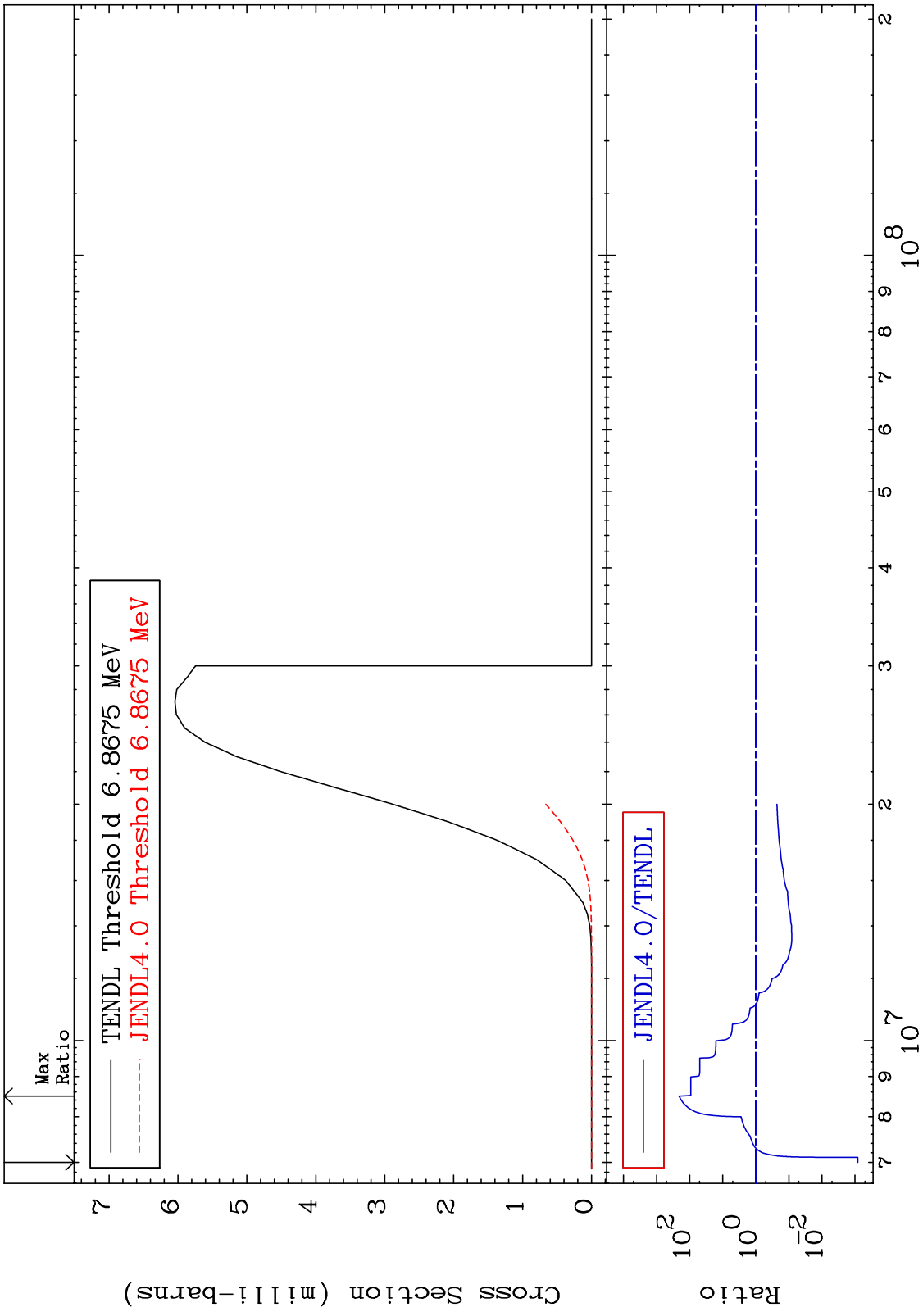


MAT 5531 (n,d) Cross Section 55-Cs-135  
 -75.17 To 9999. %

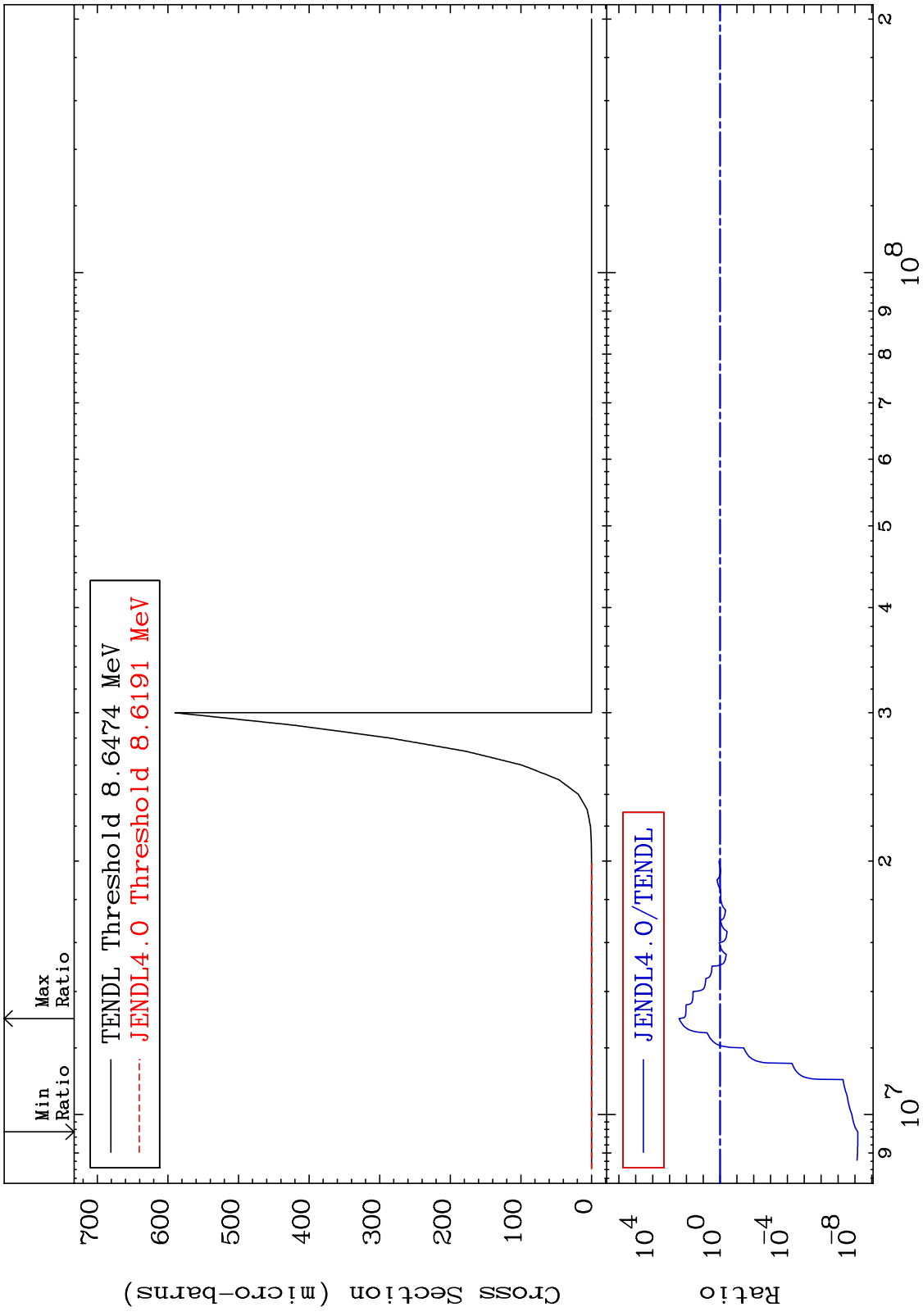


Incident Energy (eV) 55-Cs-135

MAT 5531 (n,t) 55-Cs-135  
 Cross Section -99.92 To 9999. %



MAT 5531 (n, He-3) 55-Cs-135  
 Cross Section -100.0 To 9999. %



26 55-Cs-135 Incident Energy (eV)

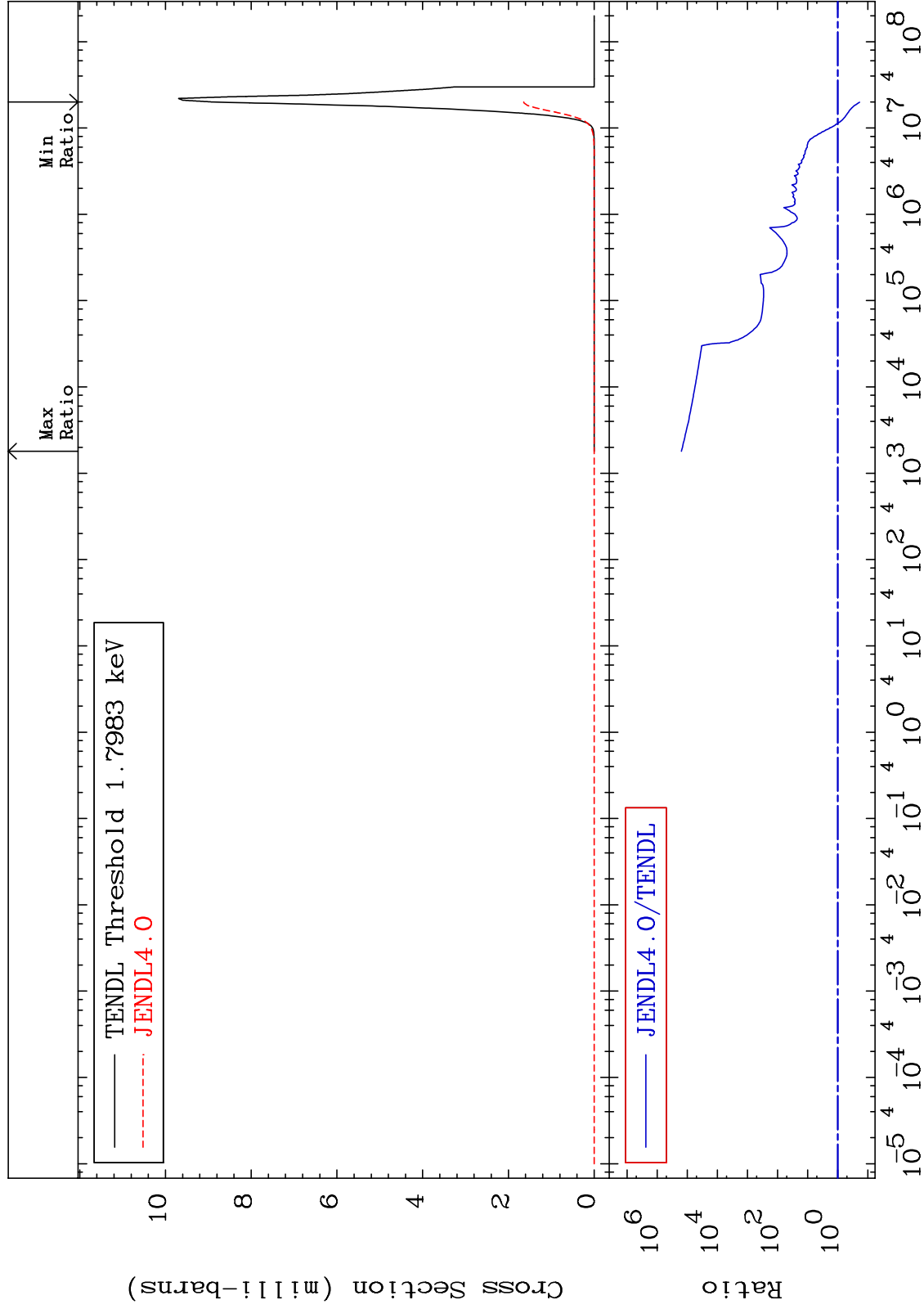
MAT 5531

(n,  $\alpha$ )

55-Cs-135

Cross Section

-81.53 To 9999. %



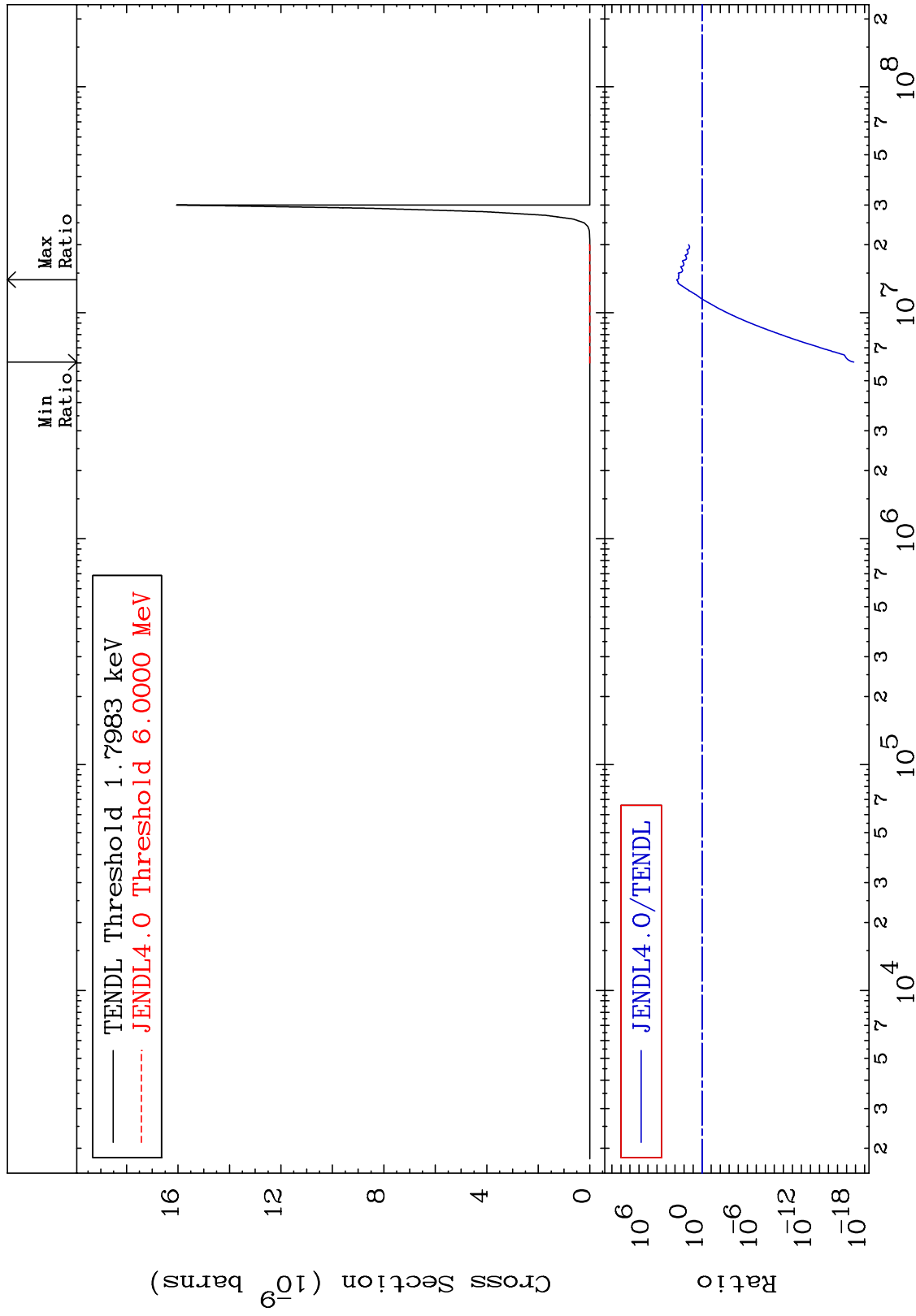
MAT 5531

(n,2α)

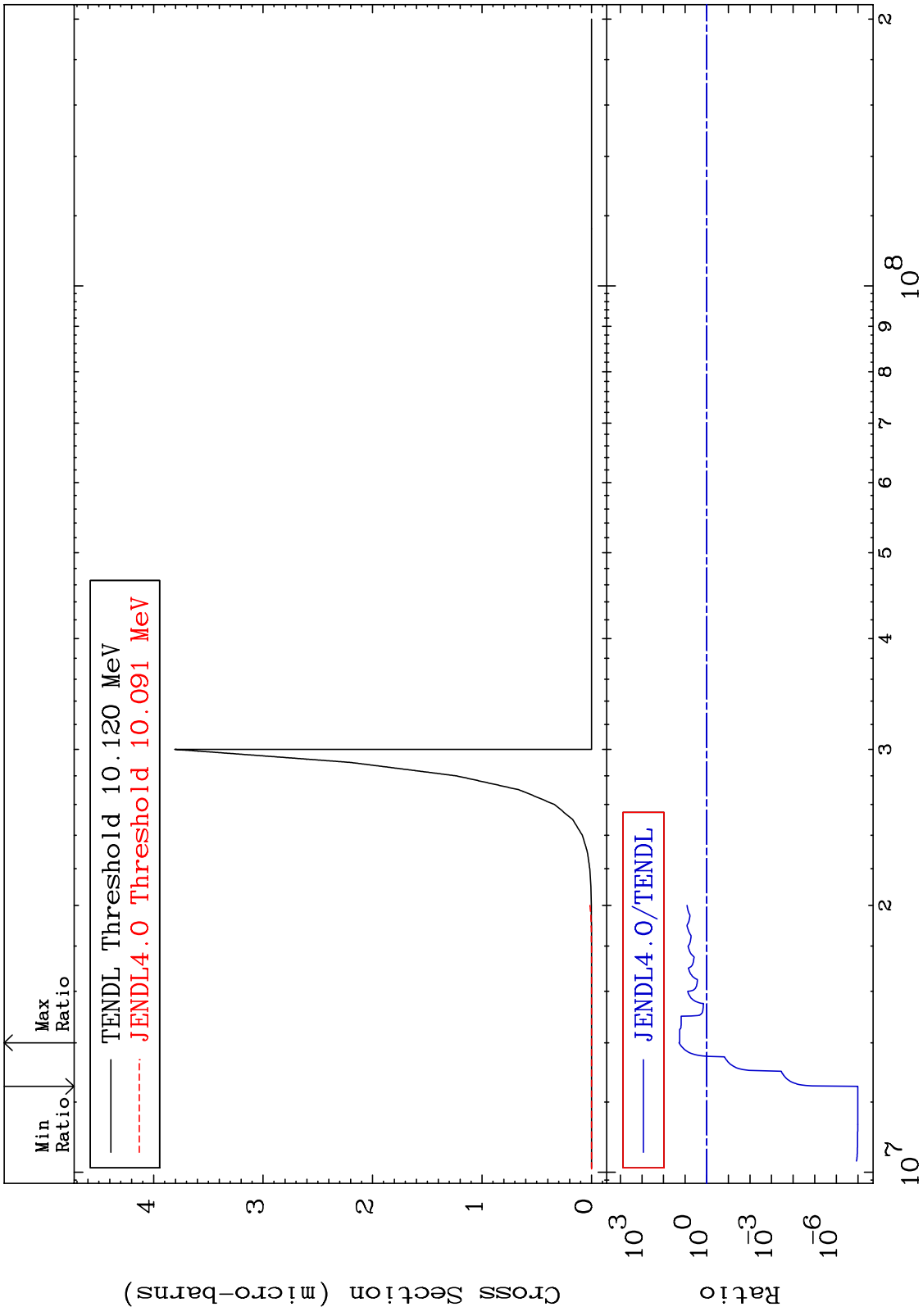
55-Cs-135

Cross Section

-100.0 To 9999. %

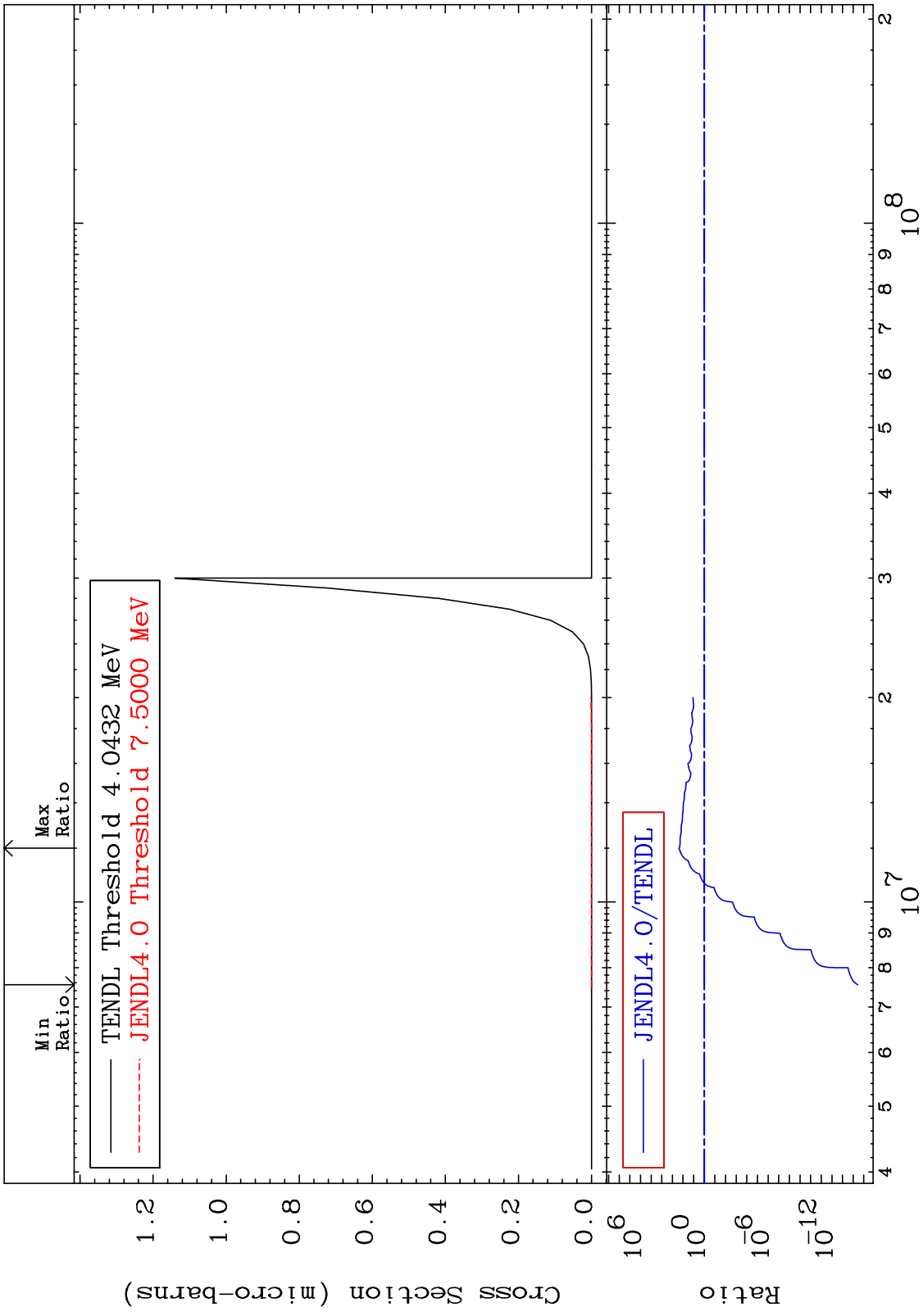


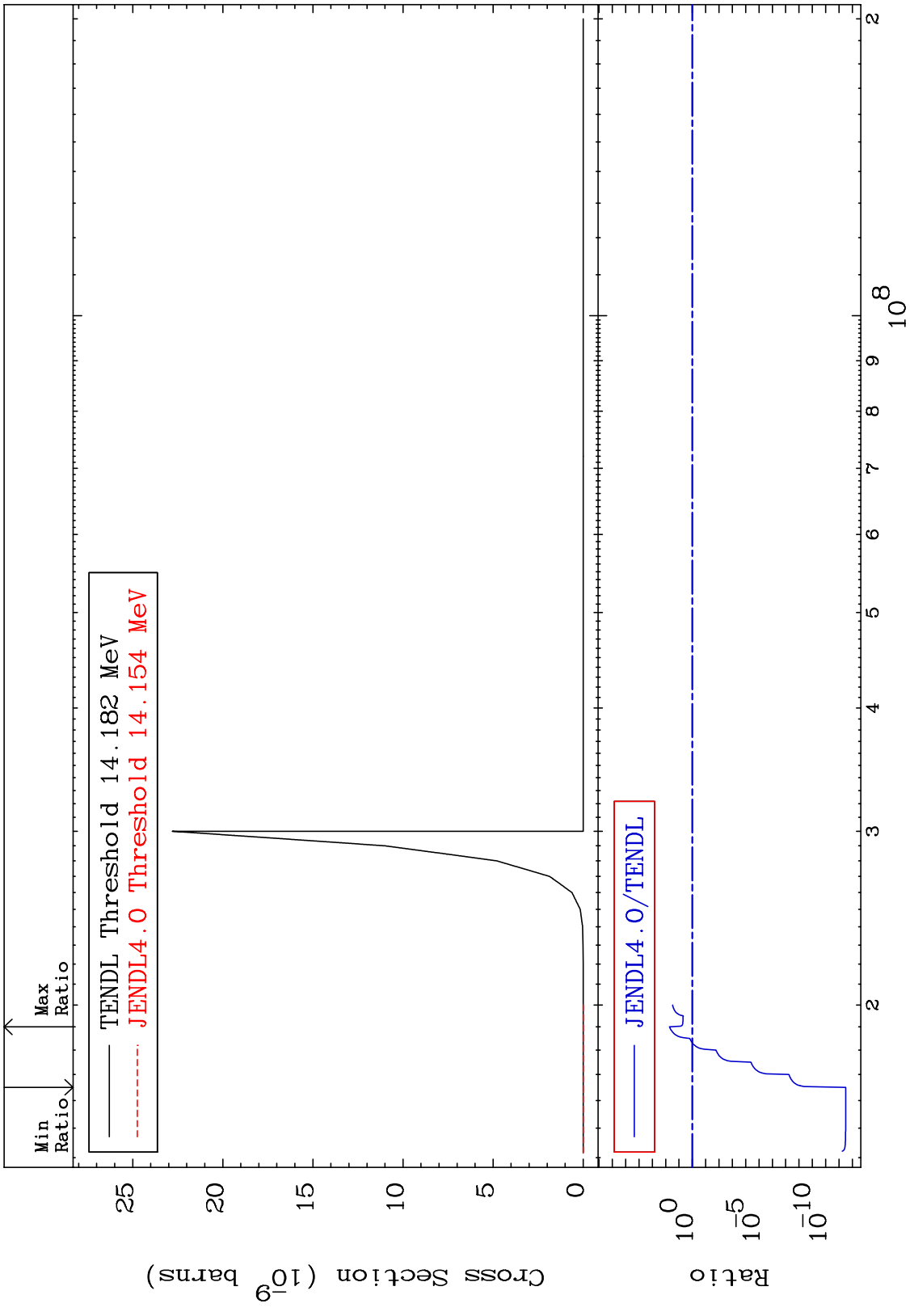
MAT 5531 (n,2p) 55-Cs-135  
 Cross Section -100.0 To 1814. %



29 55-Cs-135

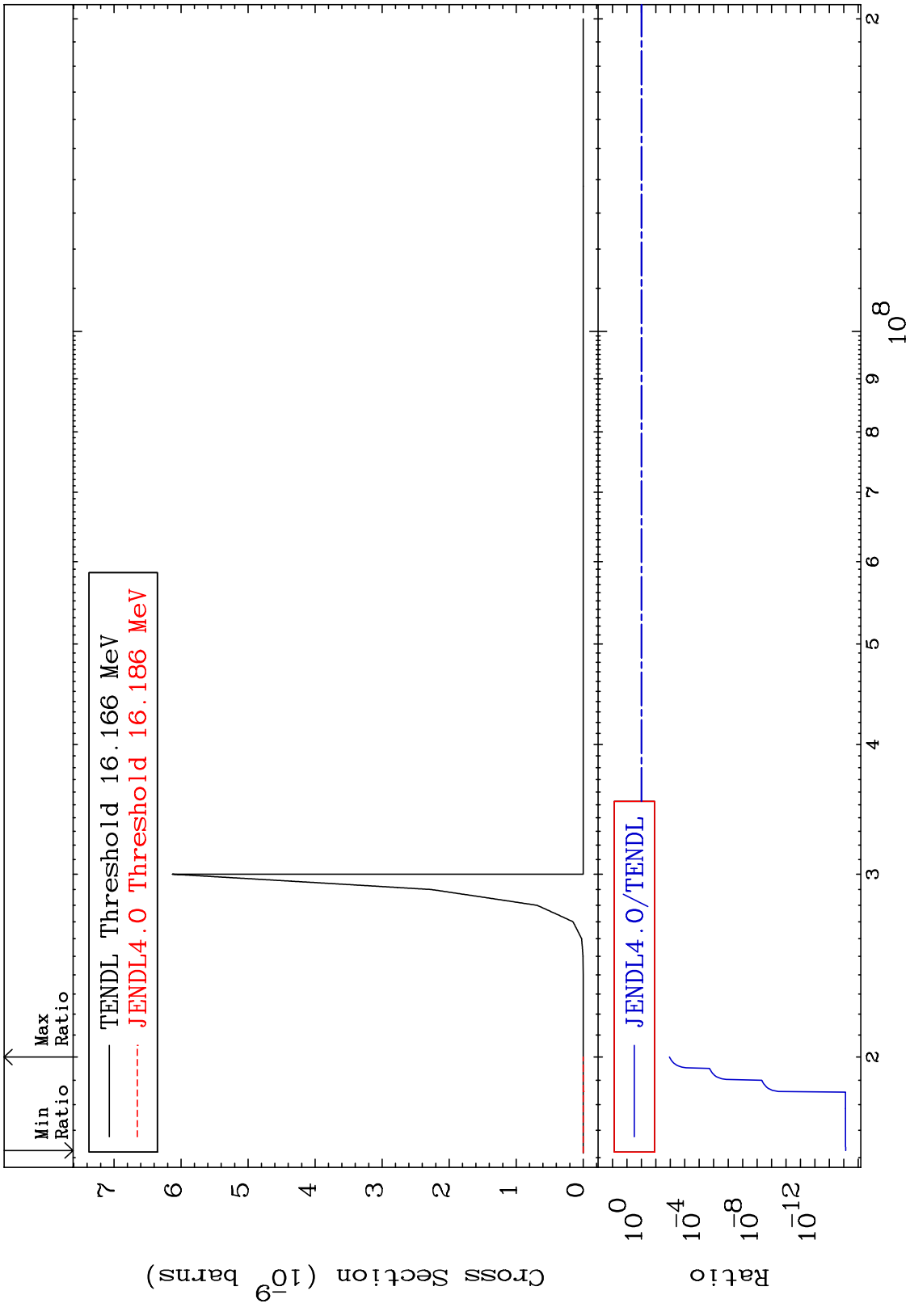
MAT 5531  $(n,p) \alpha$  55-Cs-135  
 Cross Section -100.0 To 9999. %

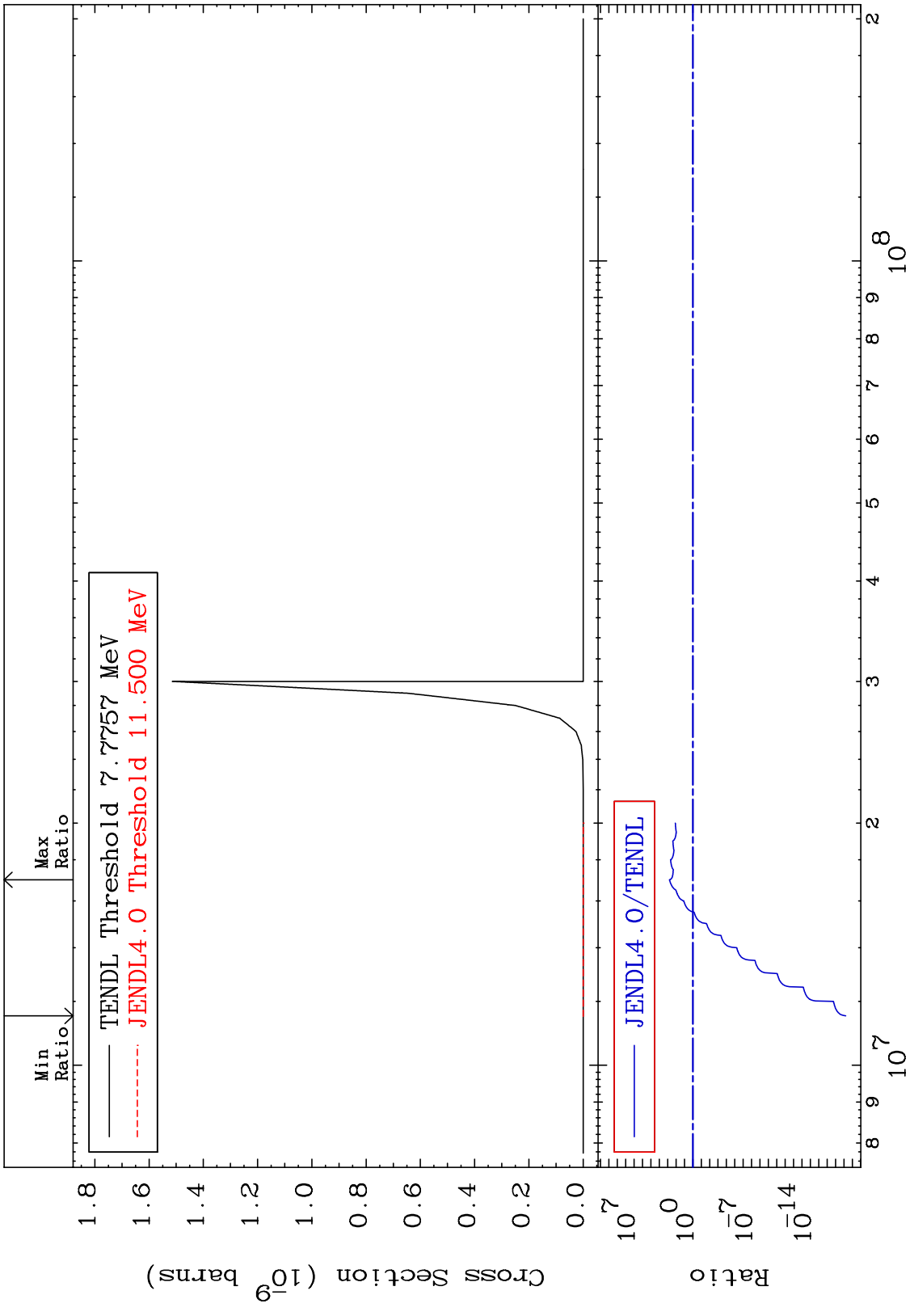






MAT 5531 (n,p) t 55-Cs-135  
 Cross Section -100.0 To -98.86%

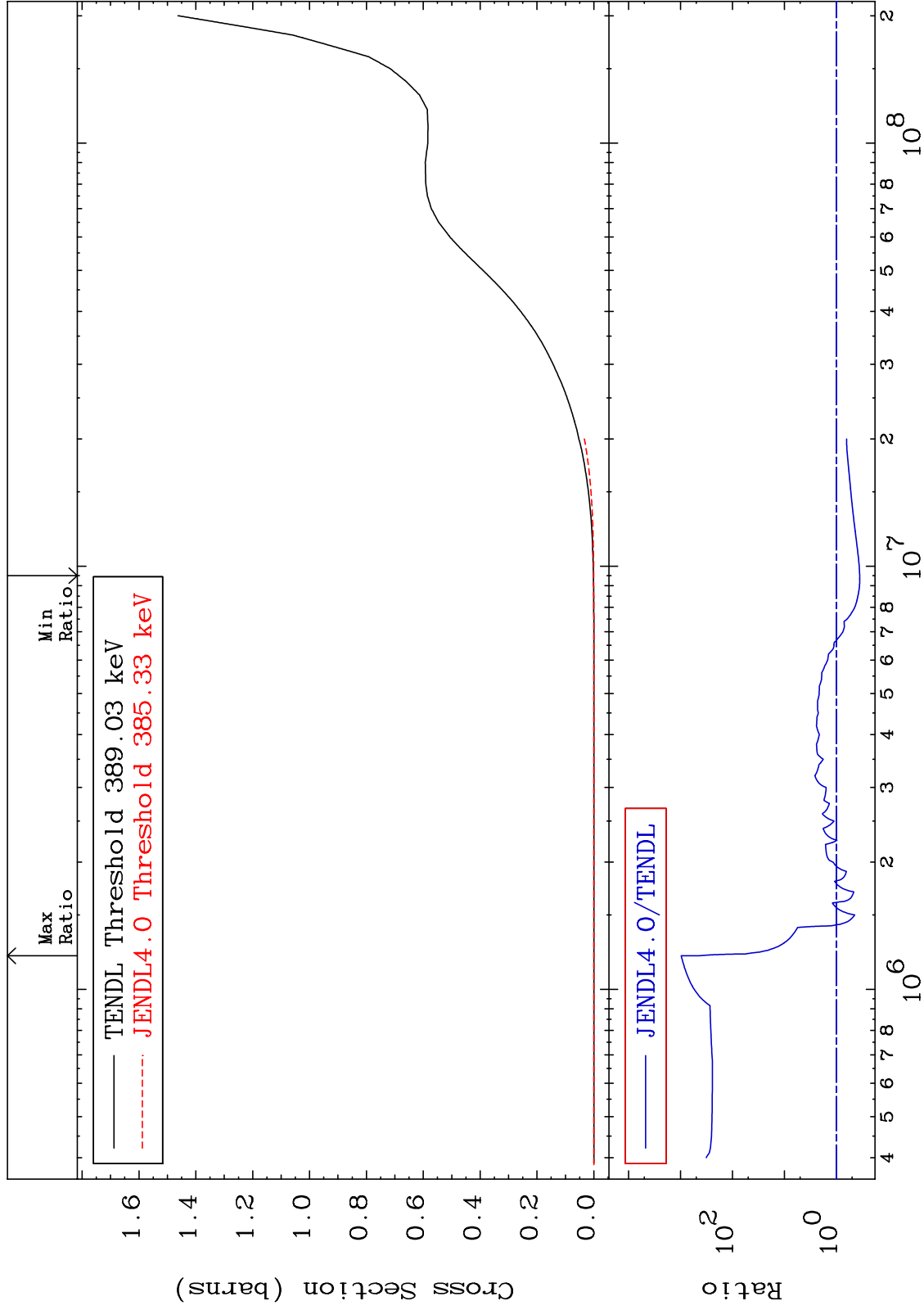




MAT 5531

Hydrogen Production  
Cross Section

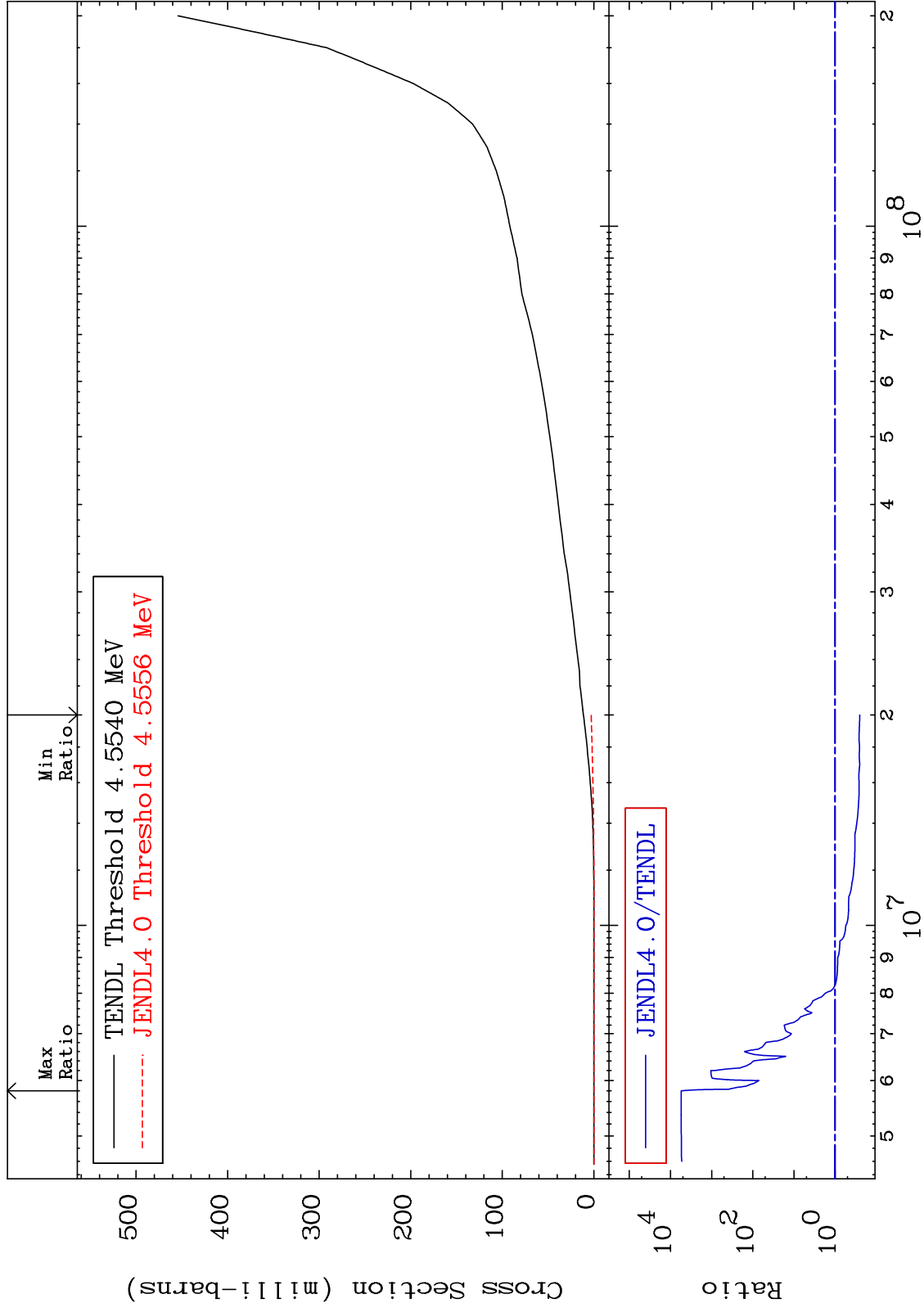
55-Cs-135  
-64.60 To 9999. %



MAT 5531

Deuterium Production  
Cross Section

55-Cs-135  
-74.76 To 9999. %



35

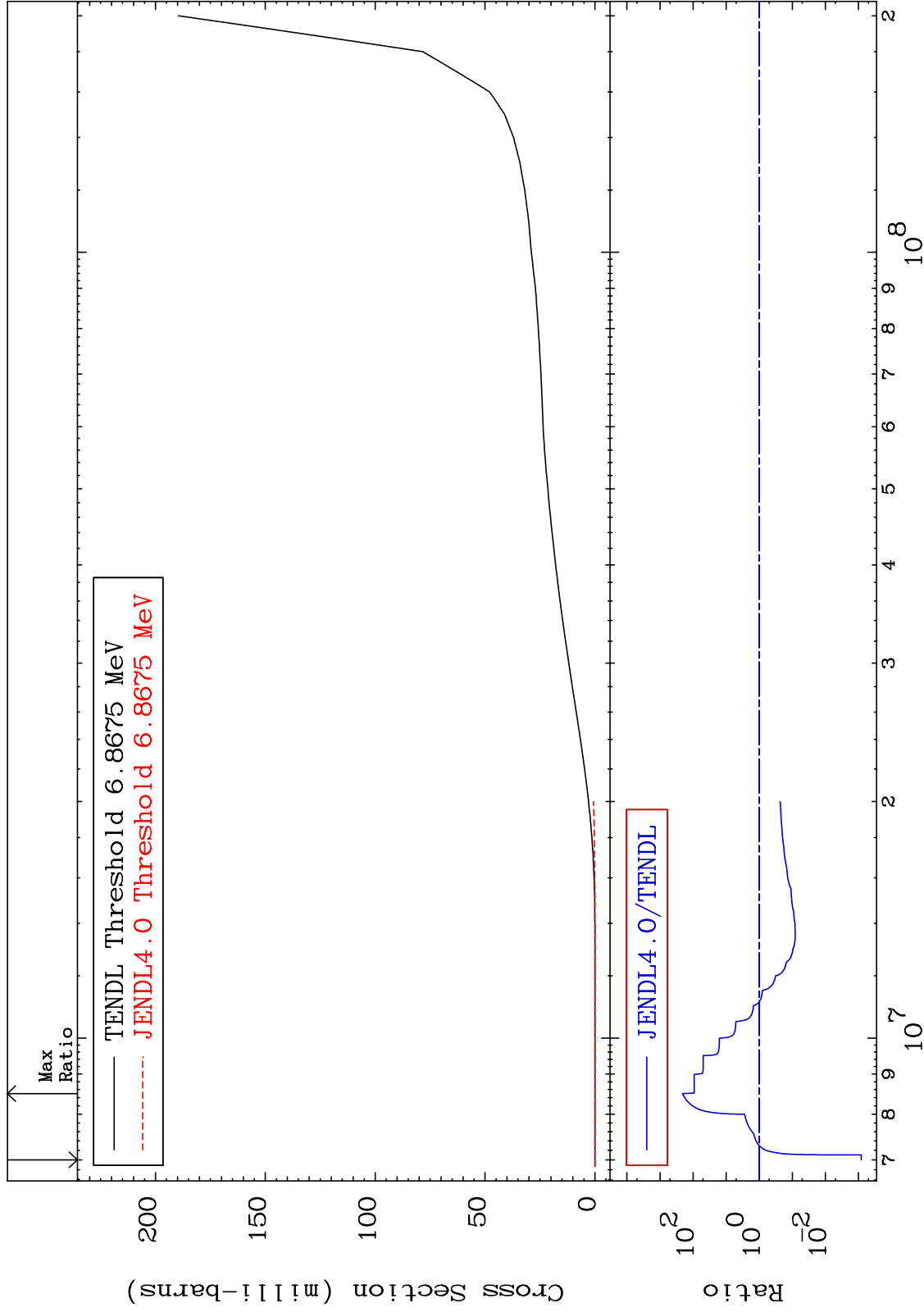
Incident Energy (eV)

55-Cs-135

MAT 5531

Tritium Production  
Cross Section

55-Cs-135  
-99.92 To 9999. %



36

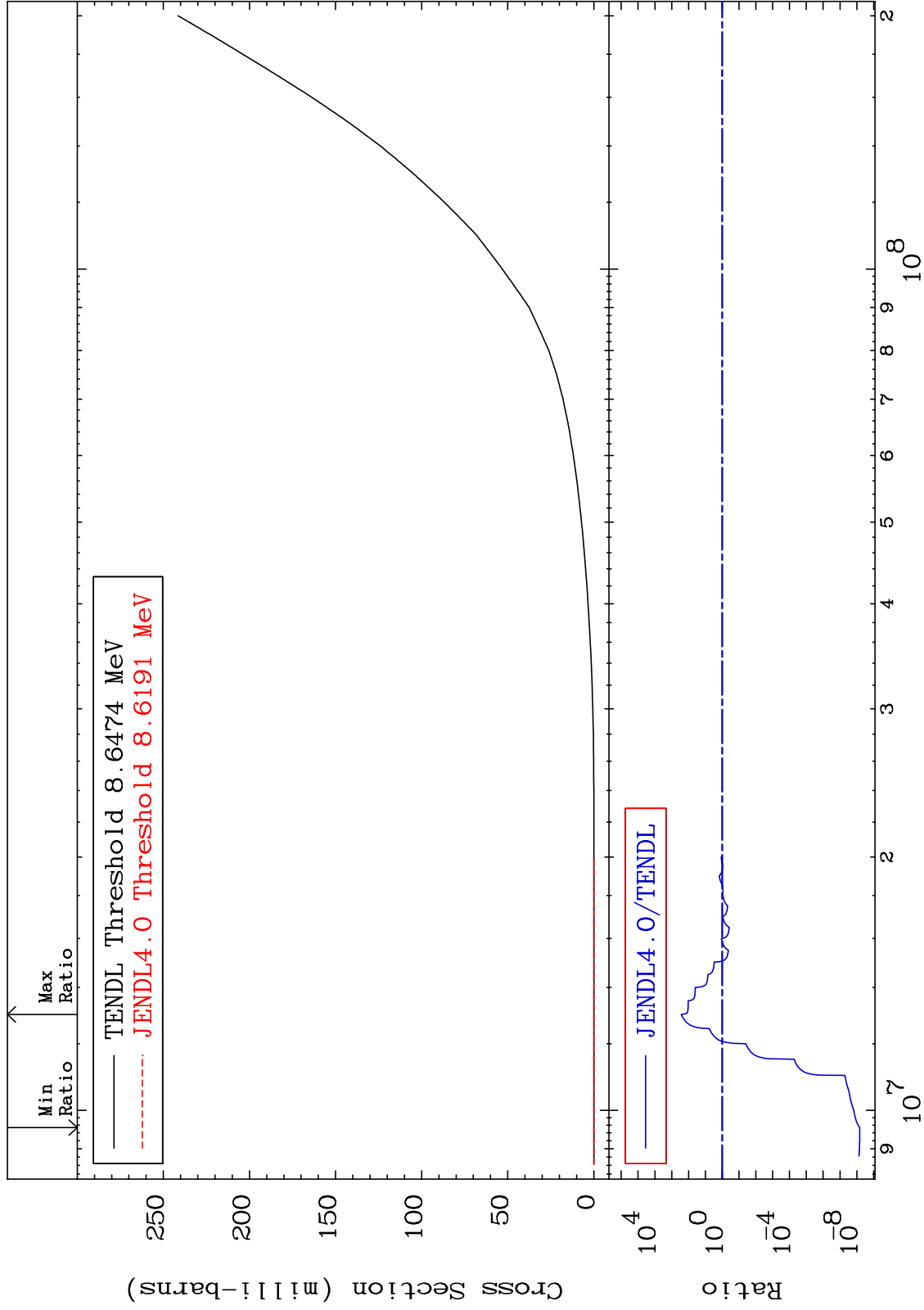
Incident Energy (eV)

55-Cs-135

MAT 5531

He-3 Production  
Cross Section

55-Cs-135  
-100.0 To 9999. %



37

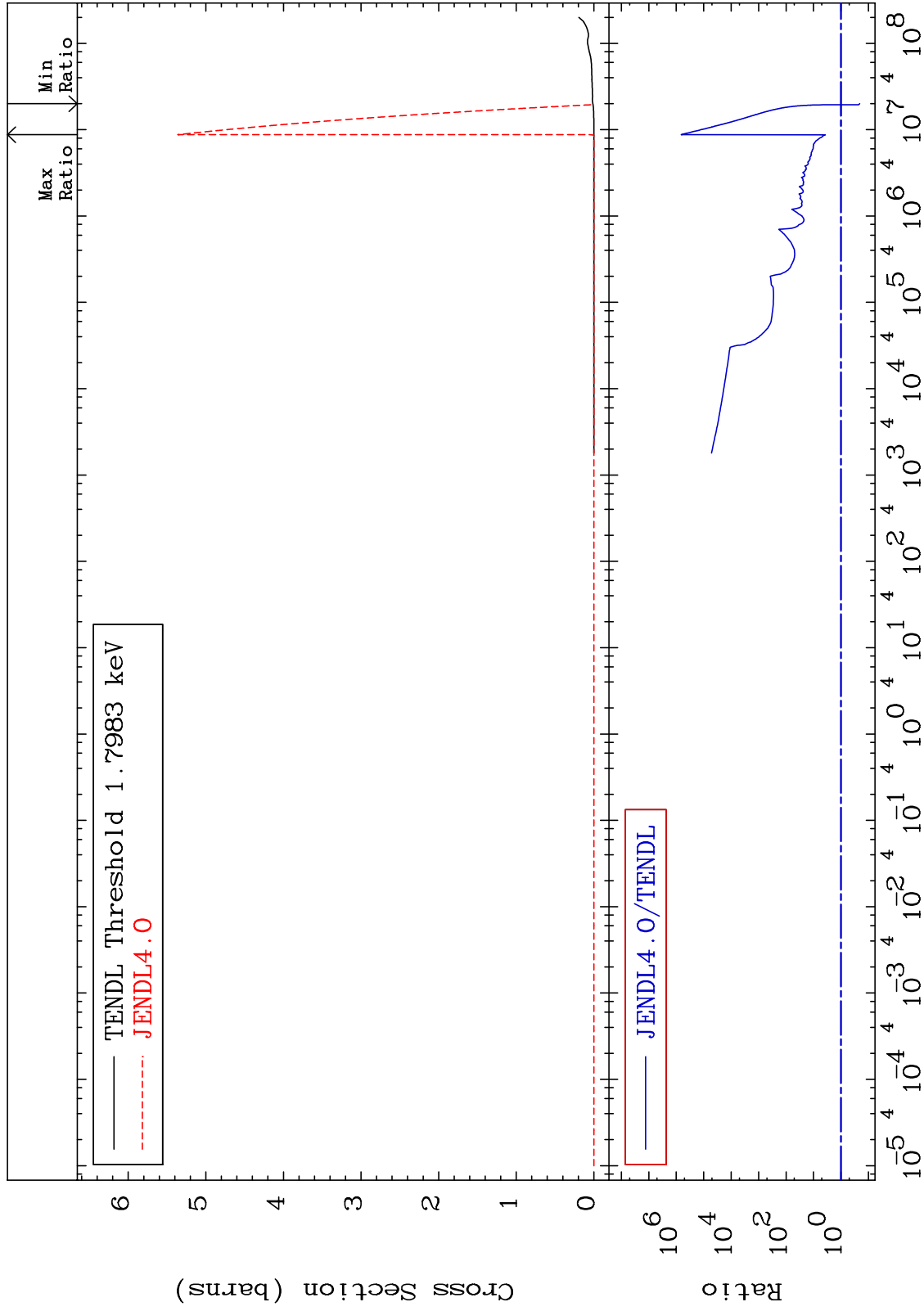
Incident Energy (eV)

55-Cs-135

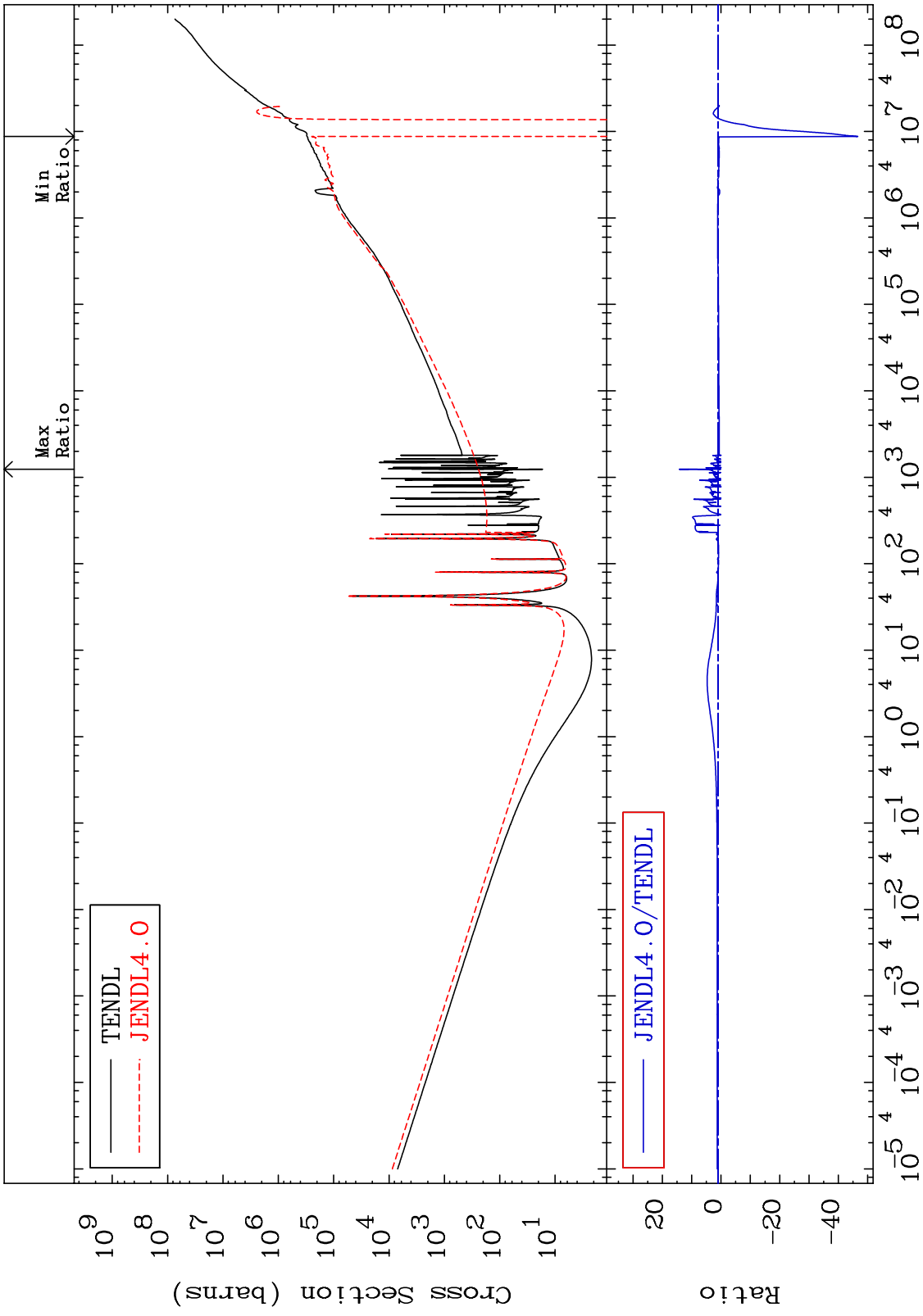
MAT 5531

He-4 Production  
Cross Section

55-Cs-135  
-79.31 To 9999. %



MAT 5531      Kerma total (eV-barns)  
 Cross Section      55-Cs-135  
 -4765. To 1330. %

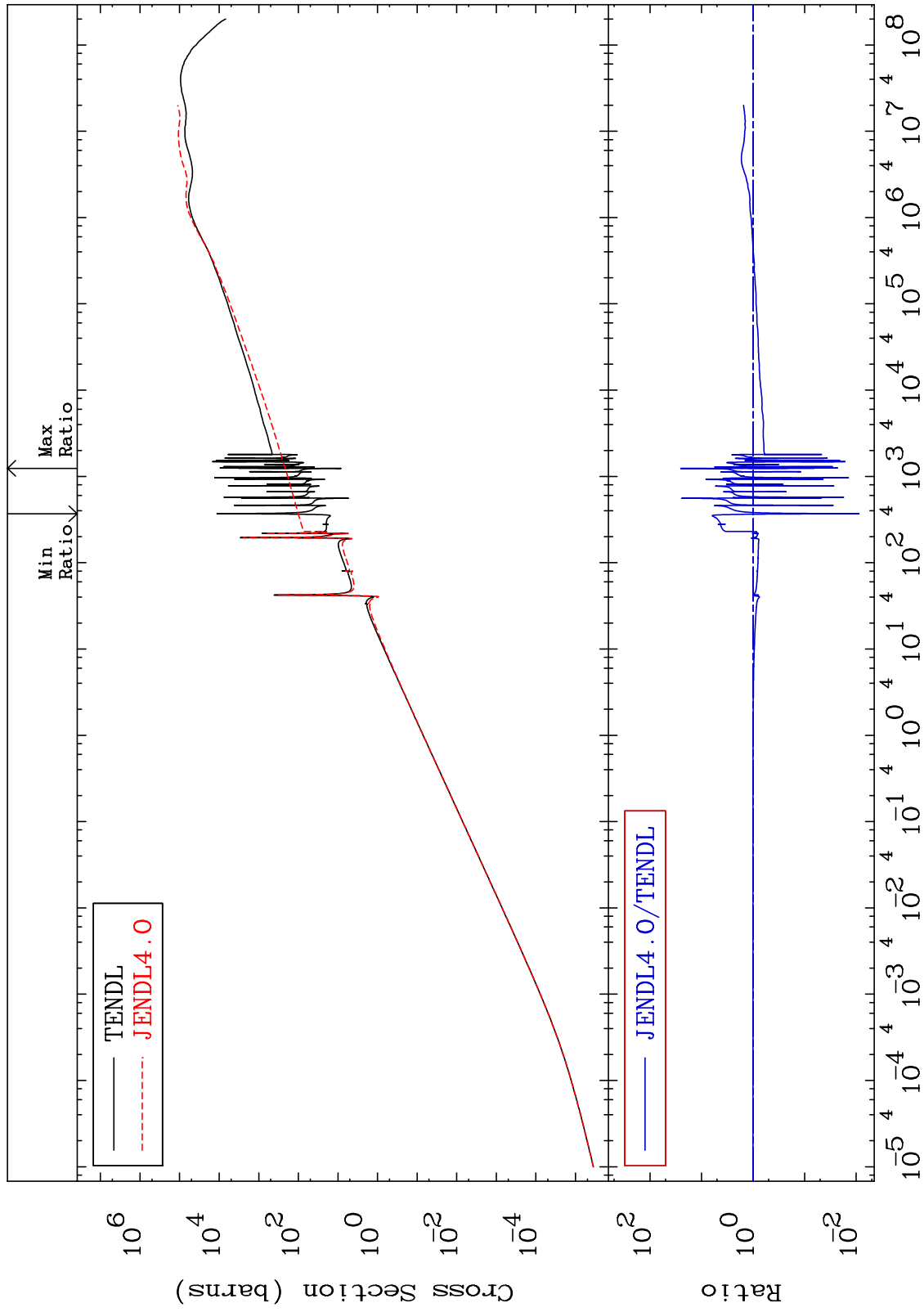




MAT 5531

Kerma elastic  
Cross Section

55-Cs-135  
-99.12 To 2444. %

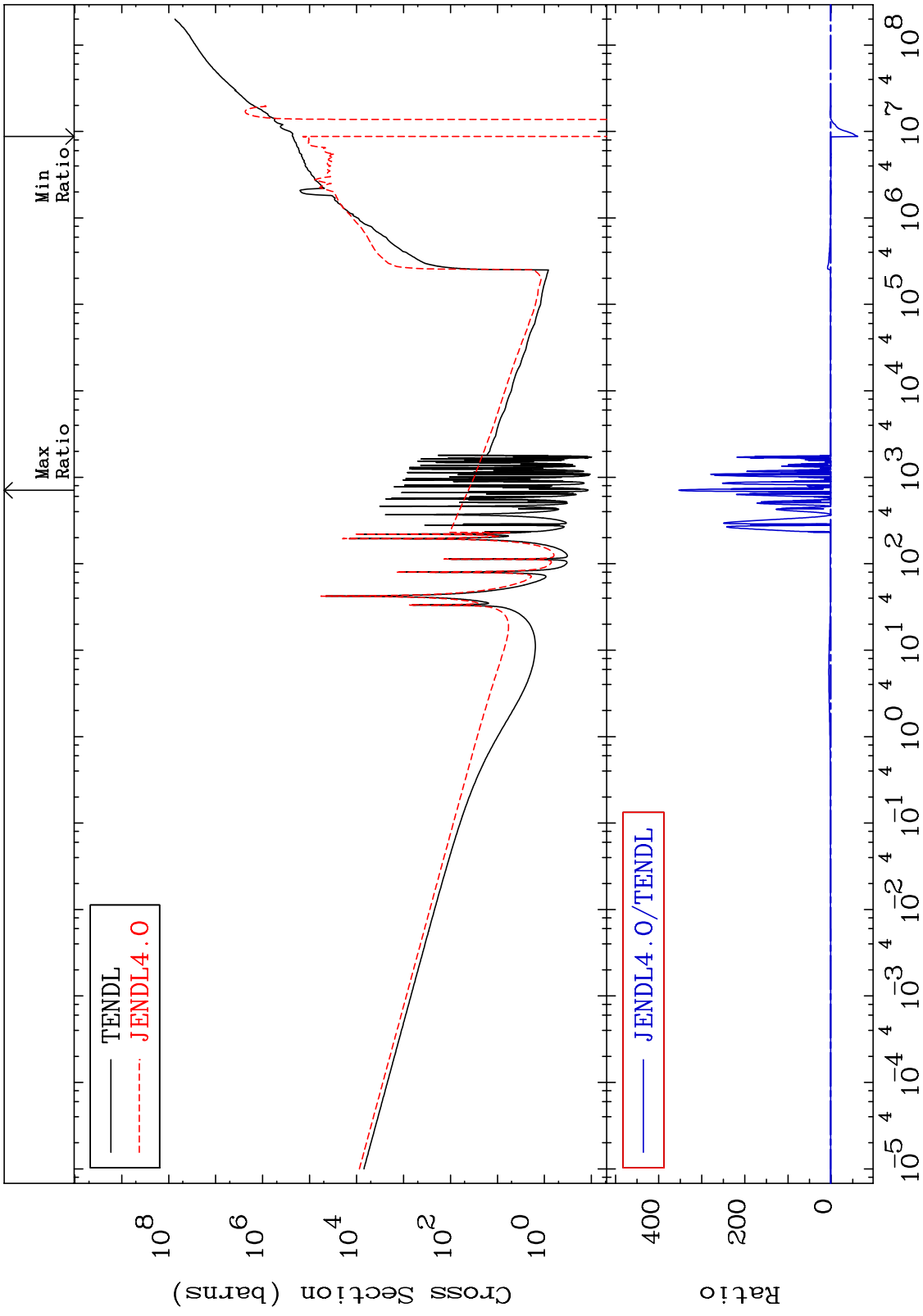


40

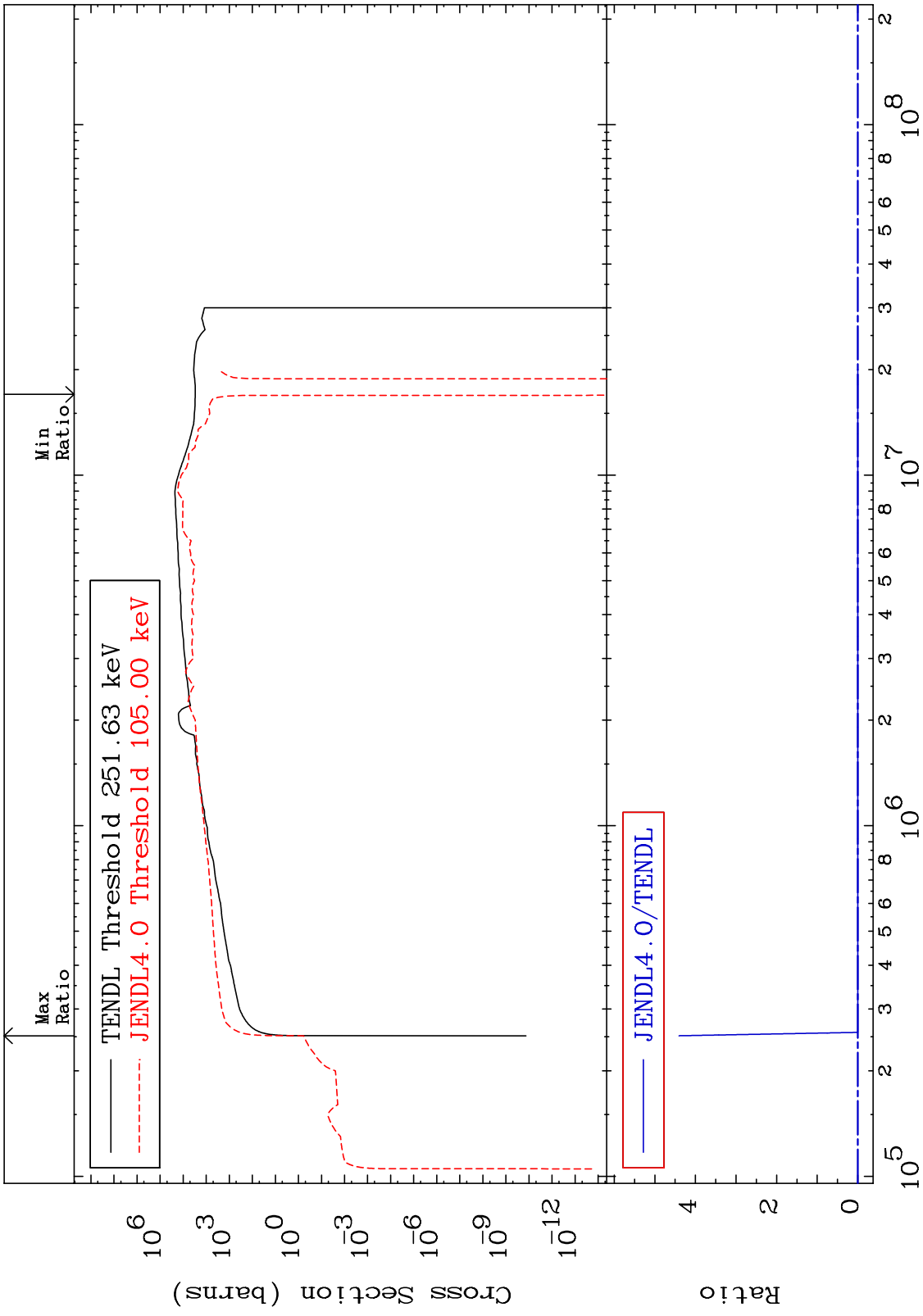
Incident Energy (eV)

55-Cs-135

MAT 5531      Kerma non-elastic (all but mt2)      55-Cs-135  
 -6297. To 9999. %  
 Cross Section



MAT 5531      Kerma inelastic (mt51-91)      55-Cs-135  
 -104.5 To 9999. %  
 Cross Section

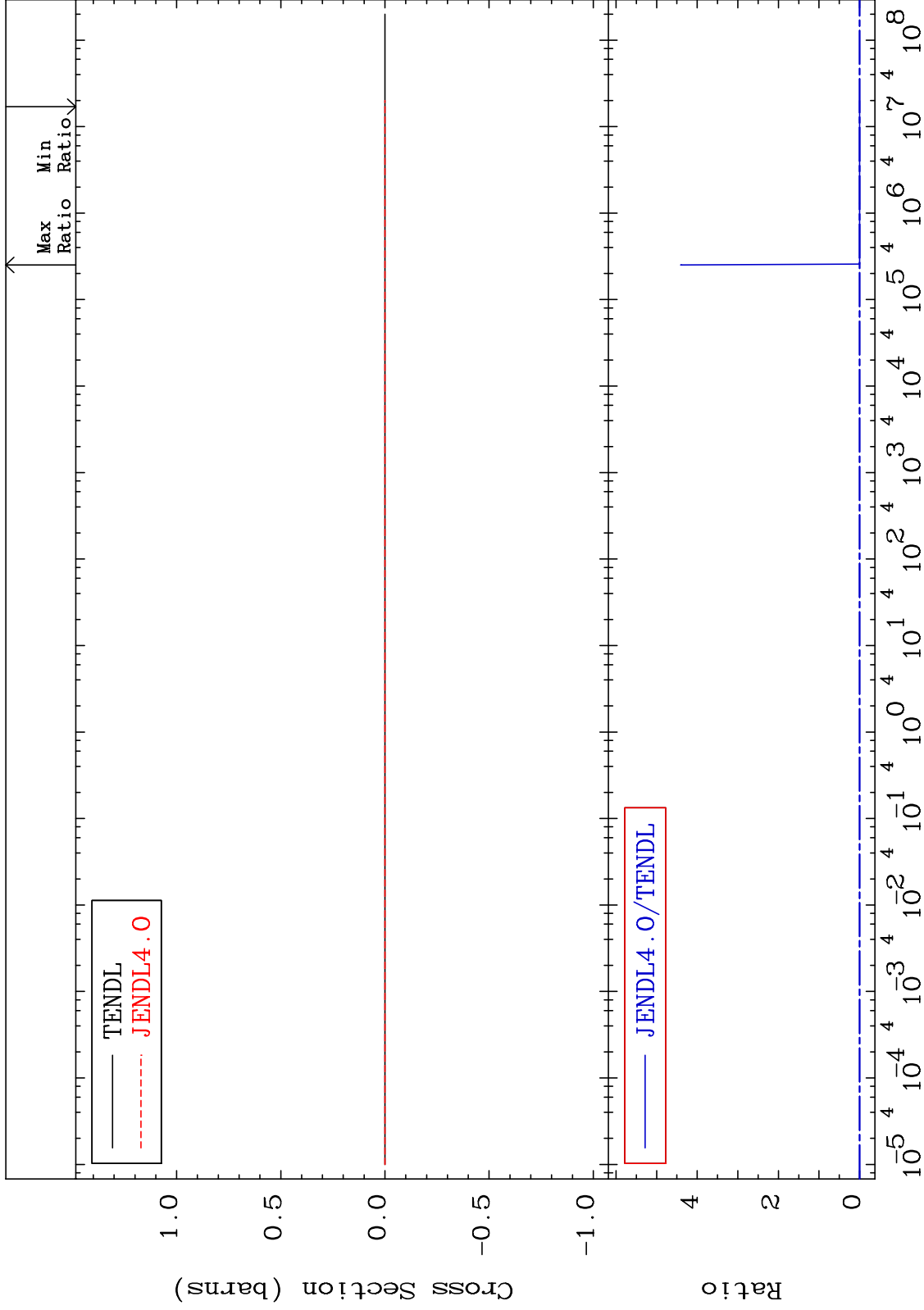


42      Incident Energy (eV)      55-Cs-135

MAT 5531

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

55-Cs-135  
-104.5 To 9999. %



43

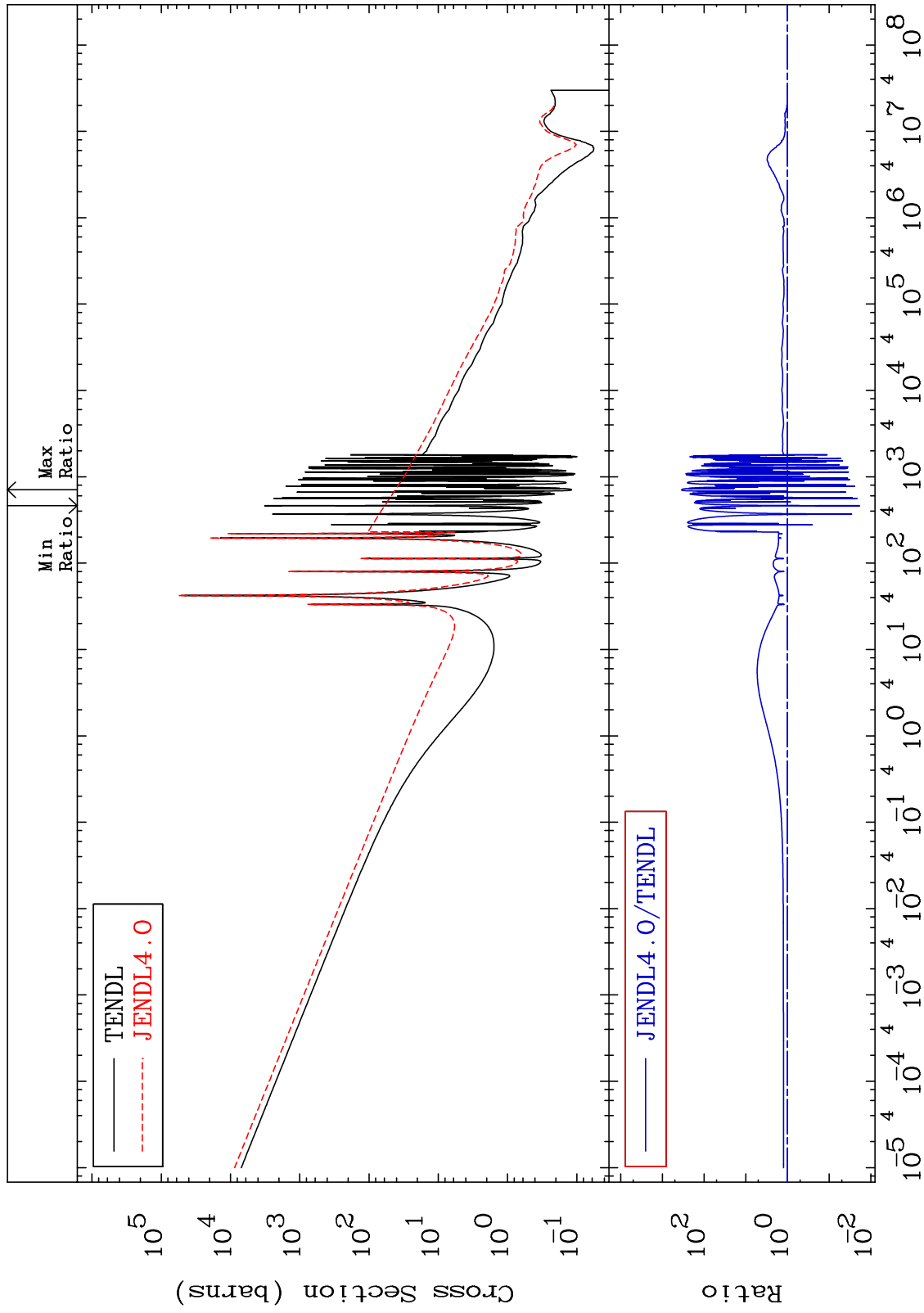
Incident Energy (eV)

55-Cs-135

MAT 5531

Kerma capture (mt102)  
Cross Section

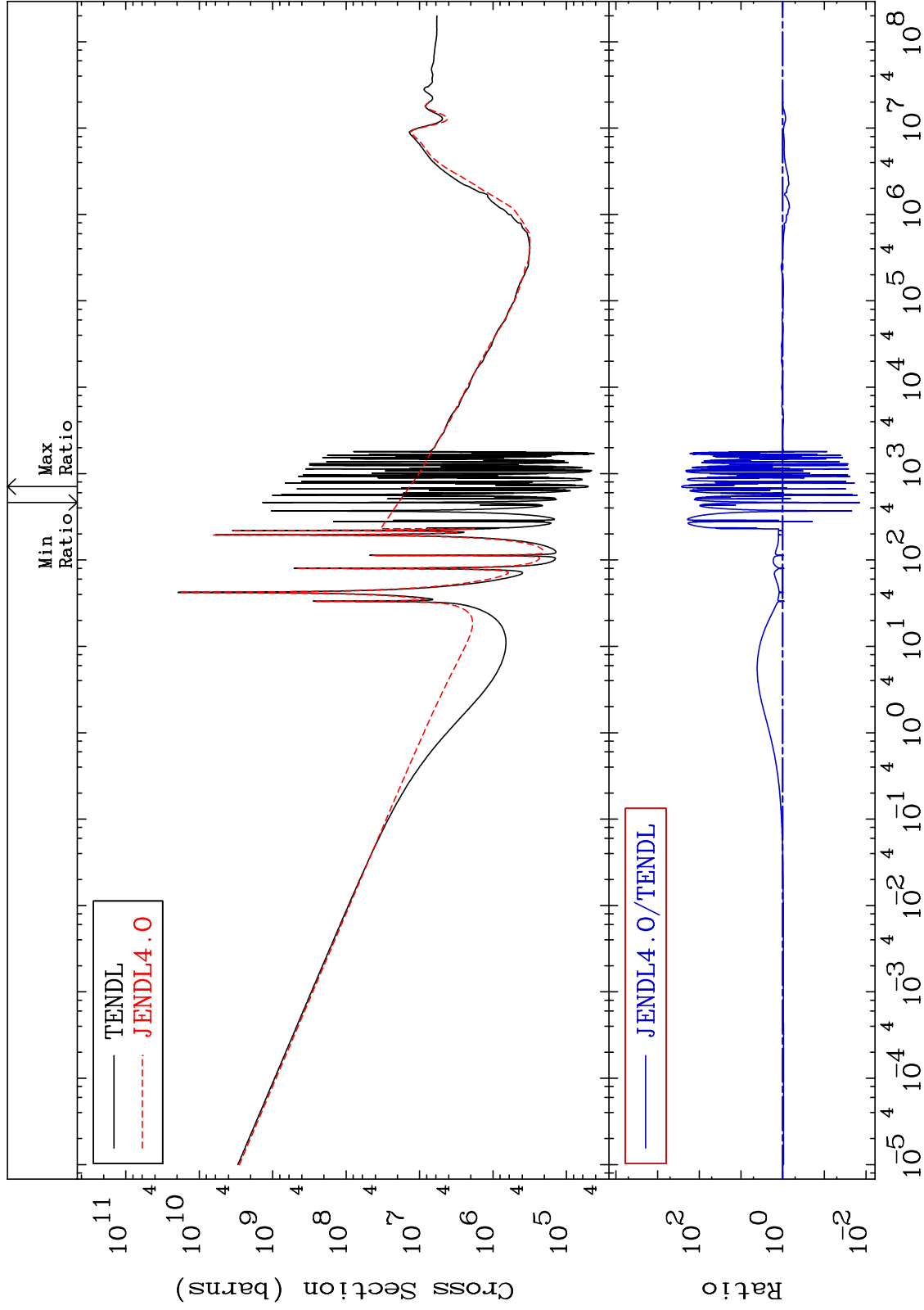
55-Cs-135  
-98.15 To 9999. %



MAT 5531

Total photon (eV-barns)  
Cross Section

55-Cs-135  
-98.59 To 9999. %

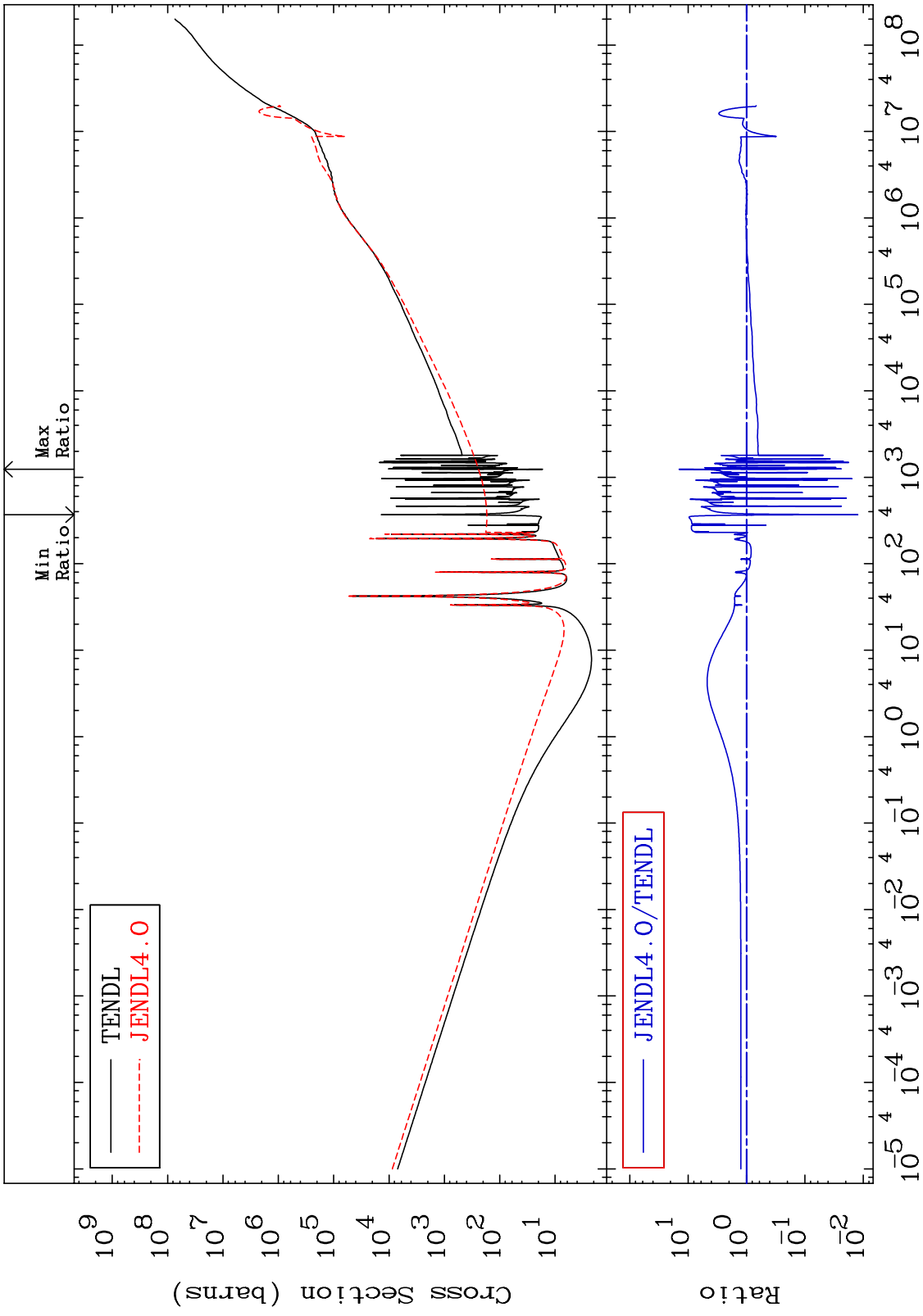


45

Incident Energy (eV)

55-Cs-135

MAT 5531 Total kinematic kerma (high limit) 55-Cs-135  
 Cross Section -98.76 To 1330. %



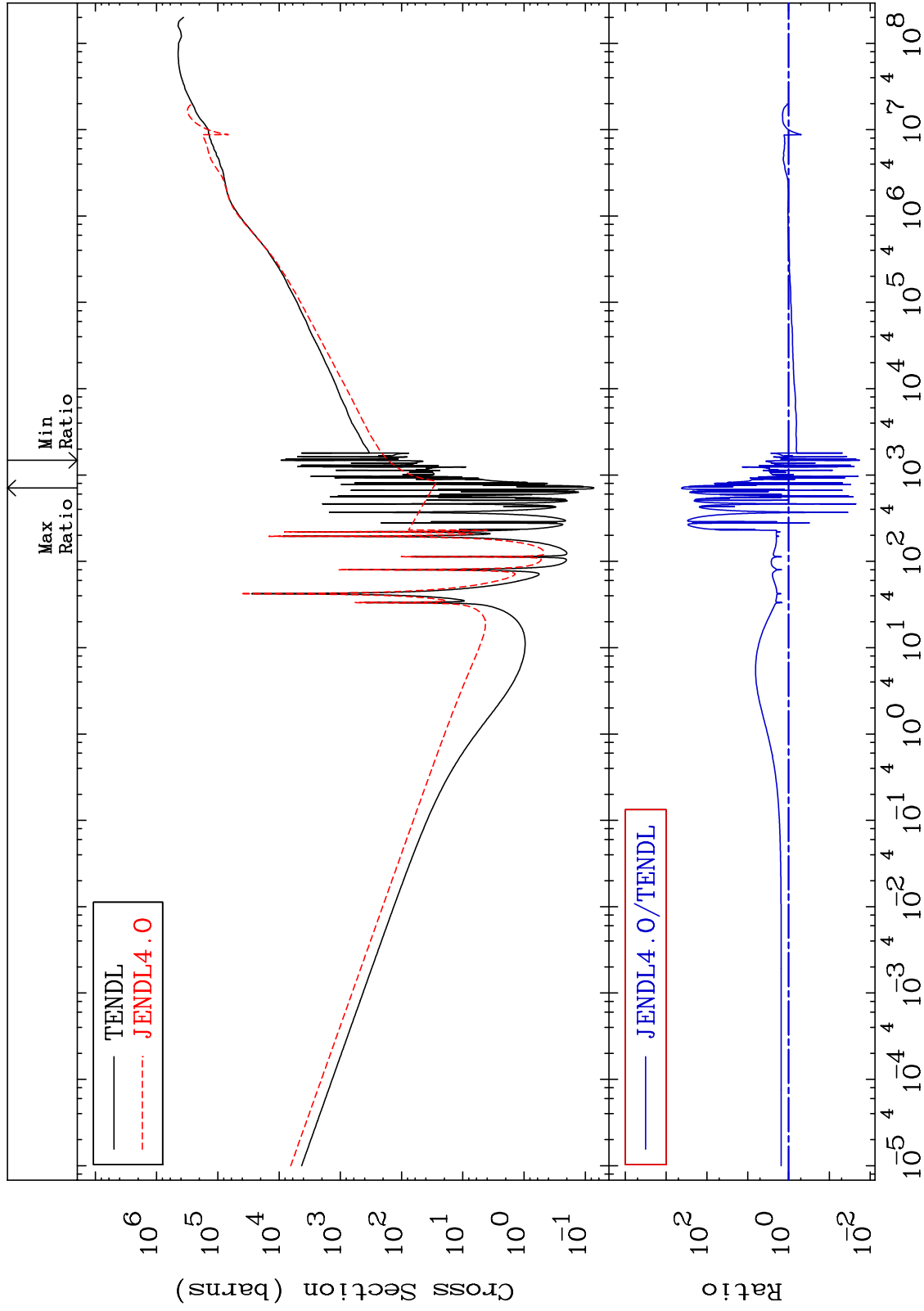
MAT 5531

Dpa total (eV-barns)

55-Cs-135

-98.21 To 9999. %

Cross Section

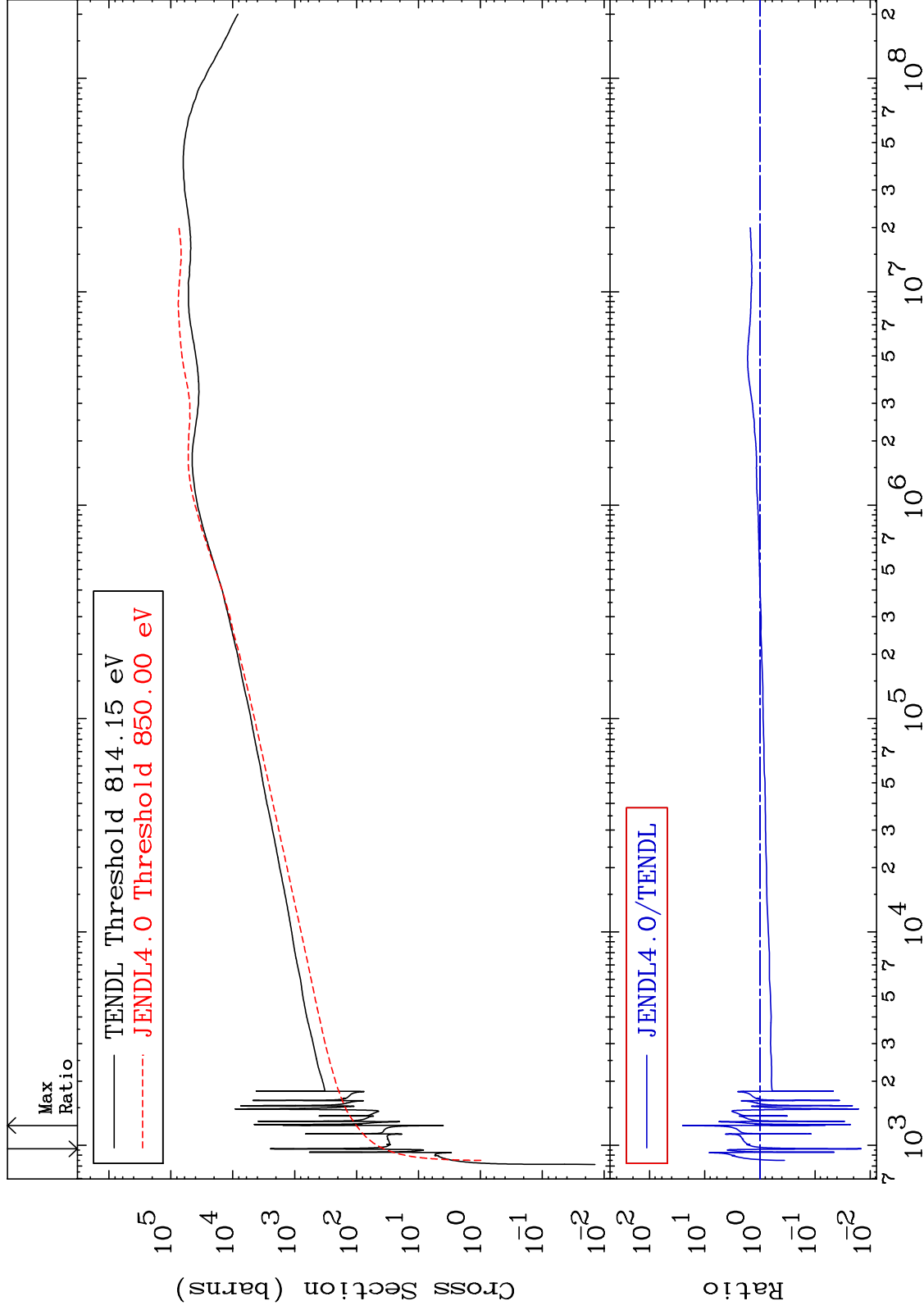




MAT 5531

Dpa elastic (mt2)  
Cross Section

55-Cs-135  
-98.55 To 2442. %



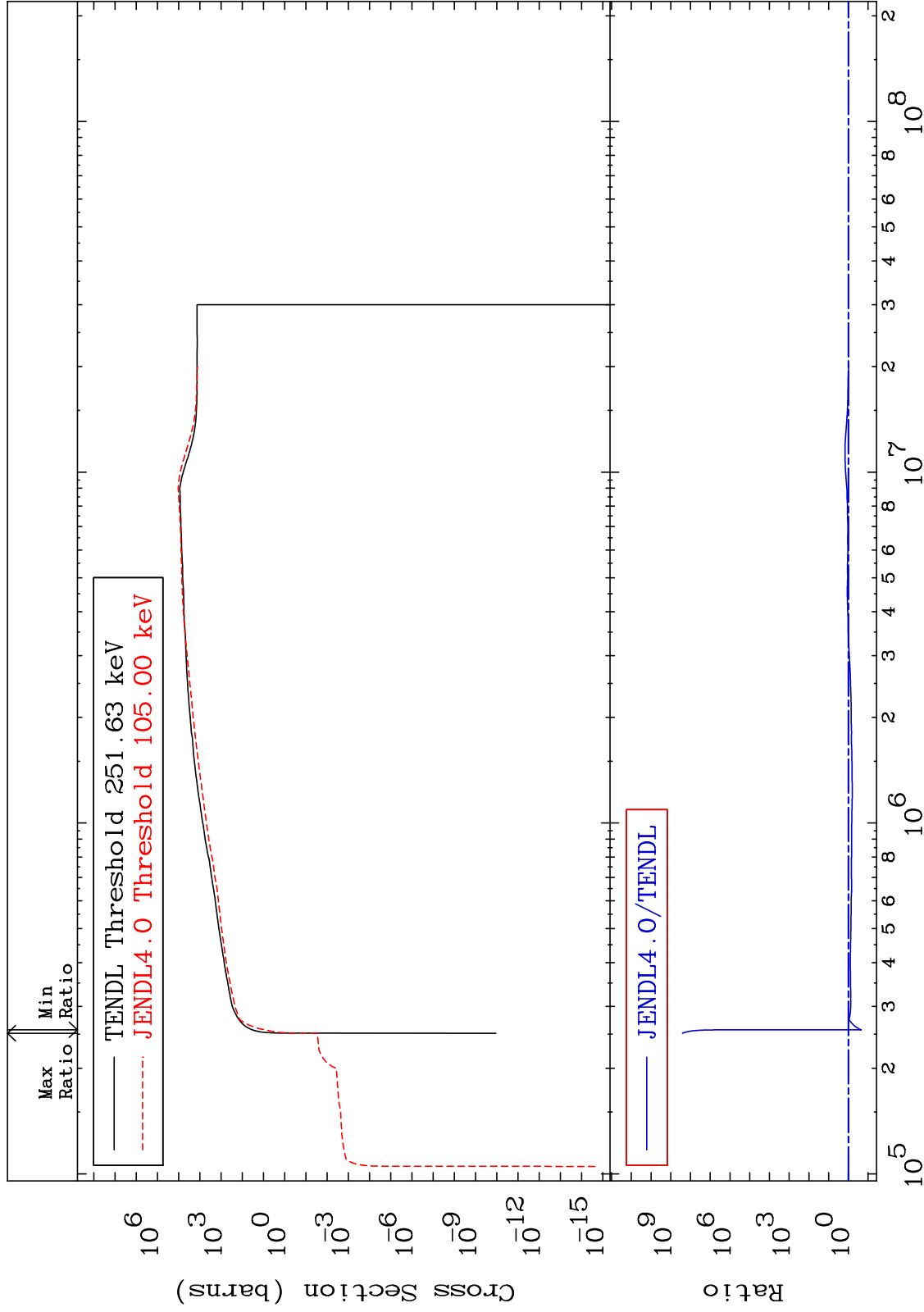
48

55-Cs-135

MAT 5531

Dpa inelastic (mt51-91)  
Cross Section

55-Cs-135  
-77.93 To 9999. %



49

Incident Energy (eV)

55-Cs-135

MAT 5531

Dpa disappearance (mt102 -120)  
Cross Section

55-Cs-135  
-97.78 To 9999. %

