

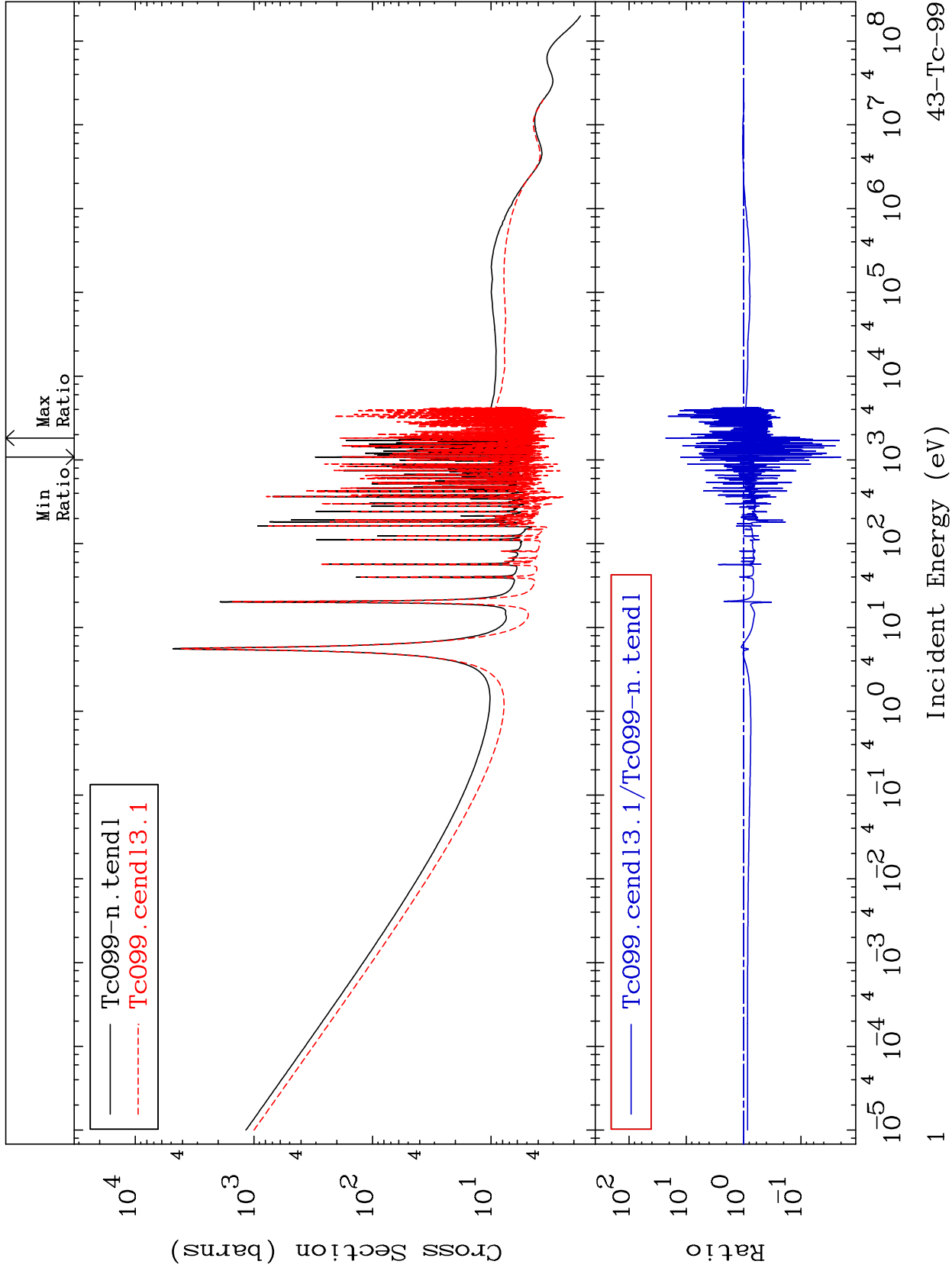
MAT 4325

Total

43-Tc-99

Cross Section

-97.99 To 2167. %



Incident Energy (eV)

43-Tc-99

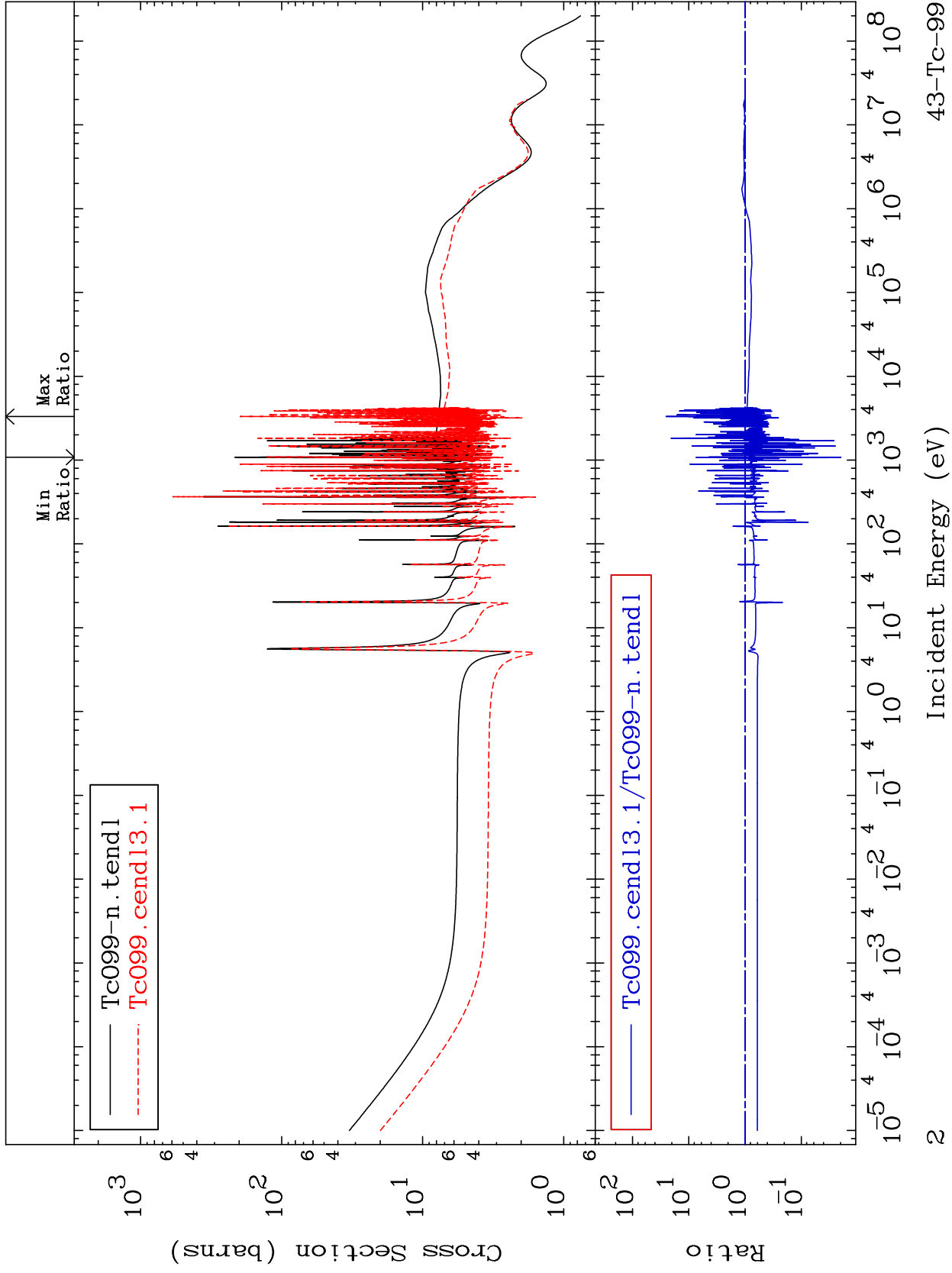
MAT 4325

Elastic

43-Tc-99

Cross Section

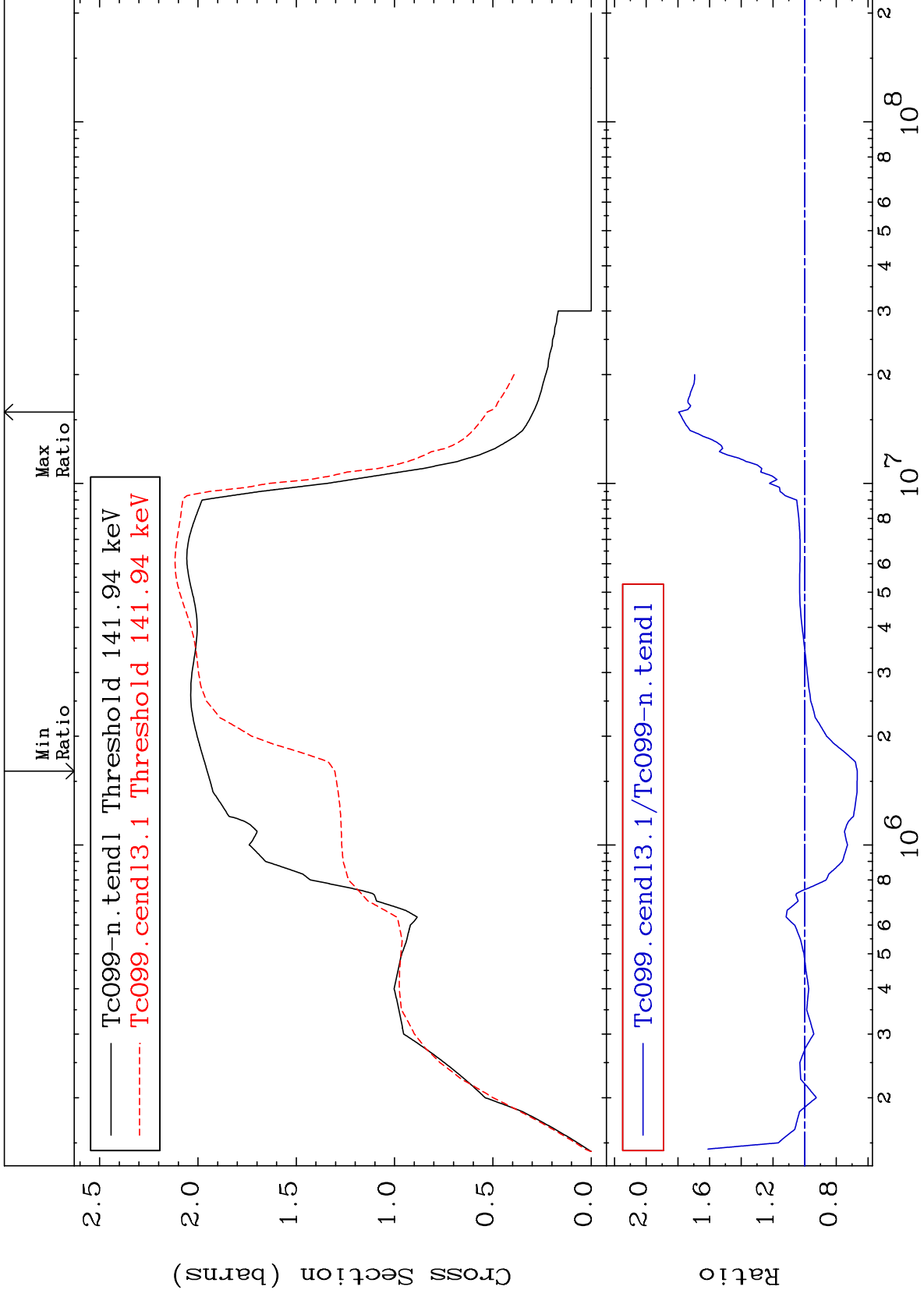
-98.02 To 2451. %



MAT 4325

Inelastic  
Cross Section

43-Tc-99  
-33.23 To 79.54 %



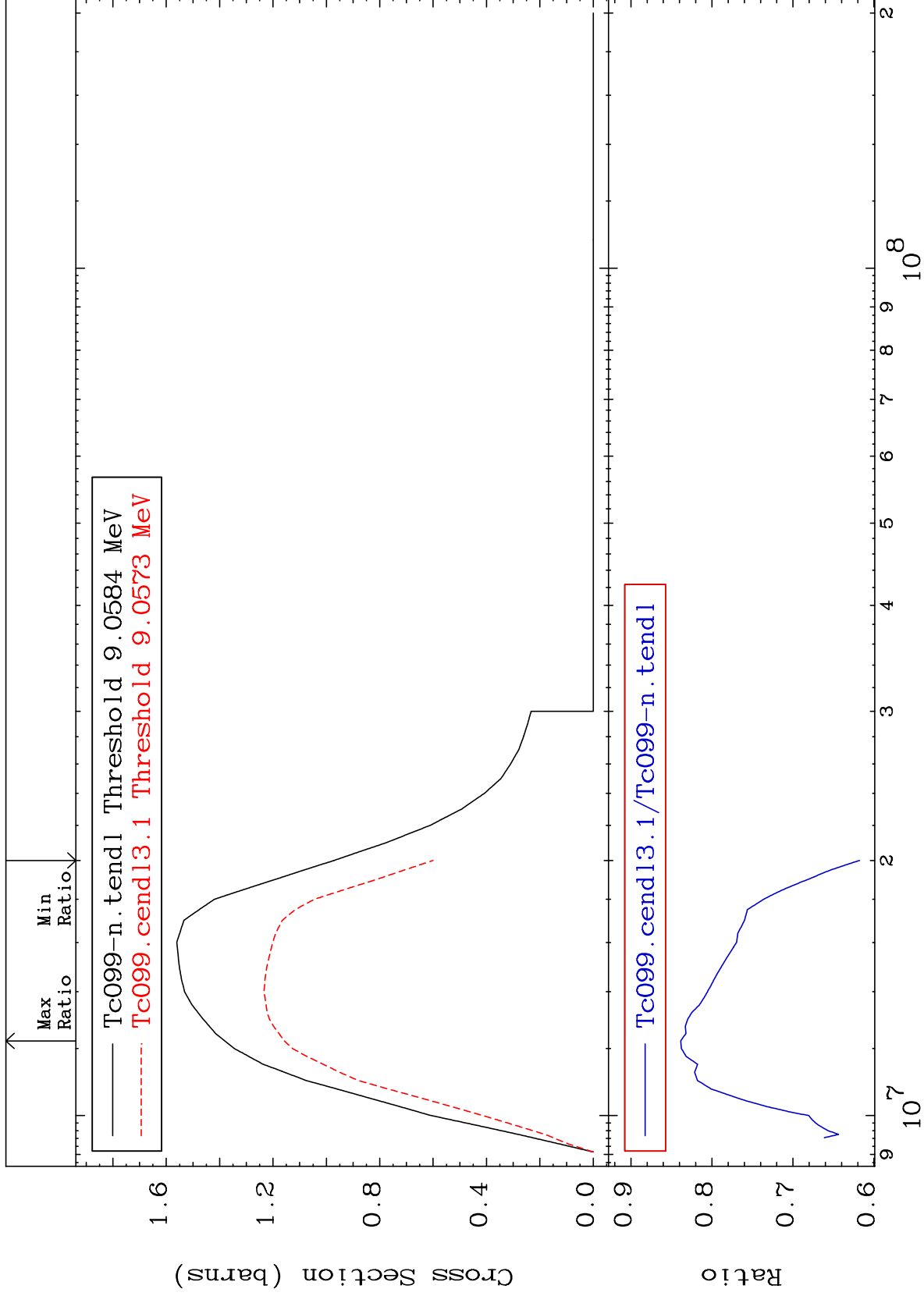
MAT 4325

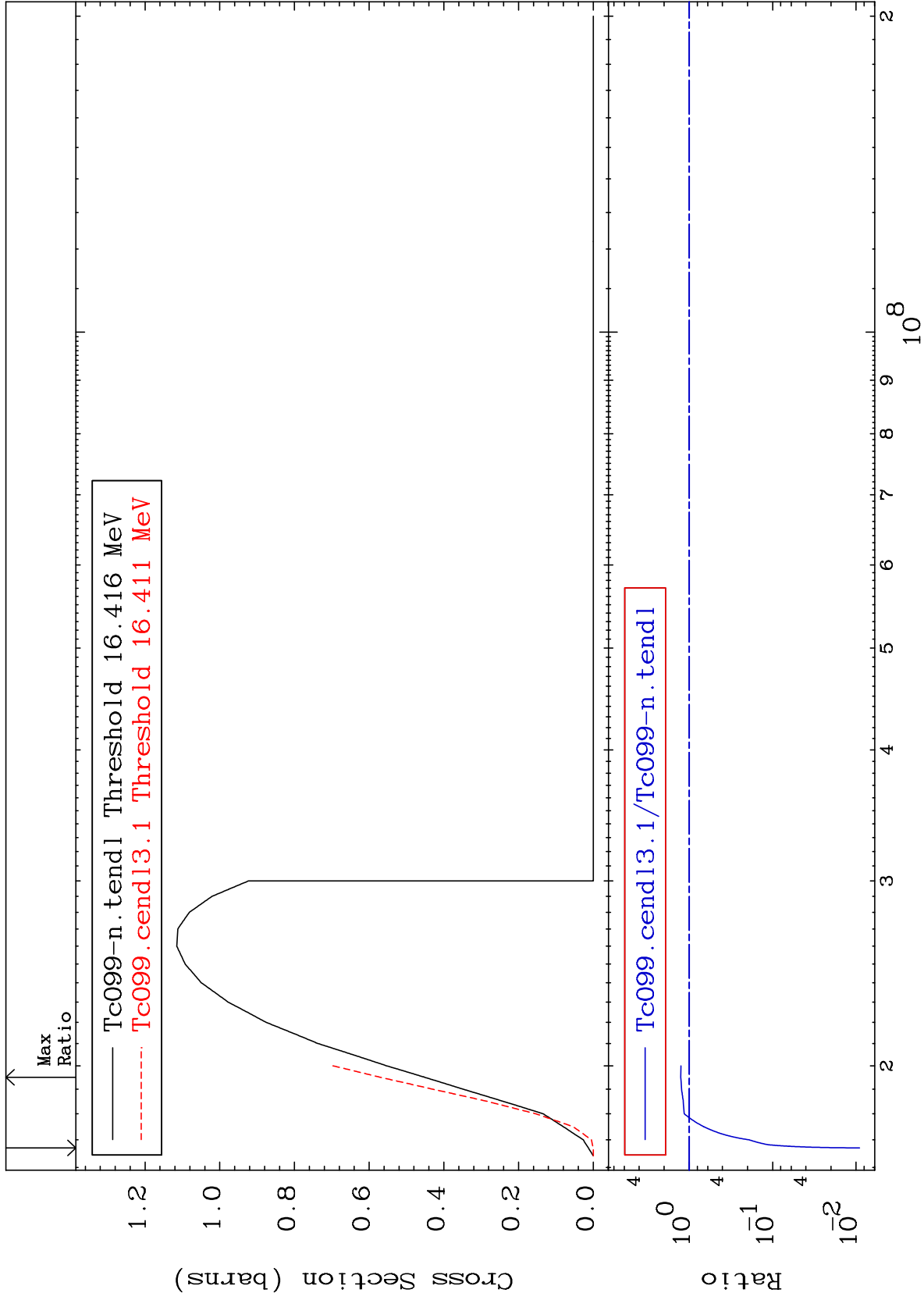
(n,2n)

43-Tc-99

Cross Section

-38.22 To -16.15%

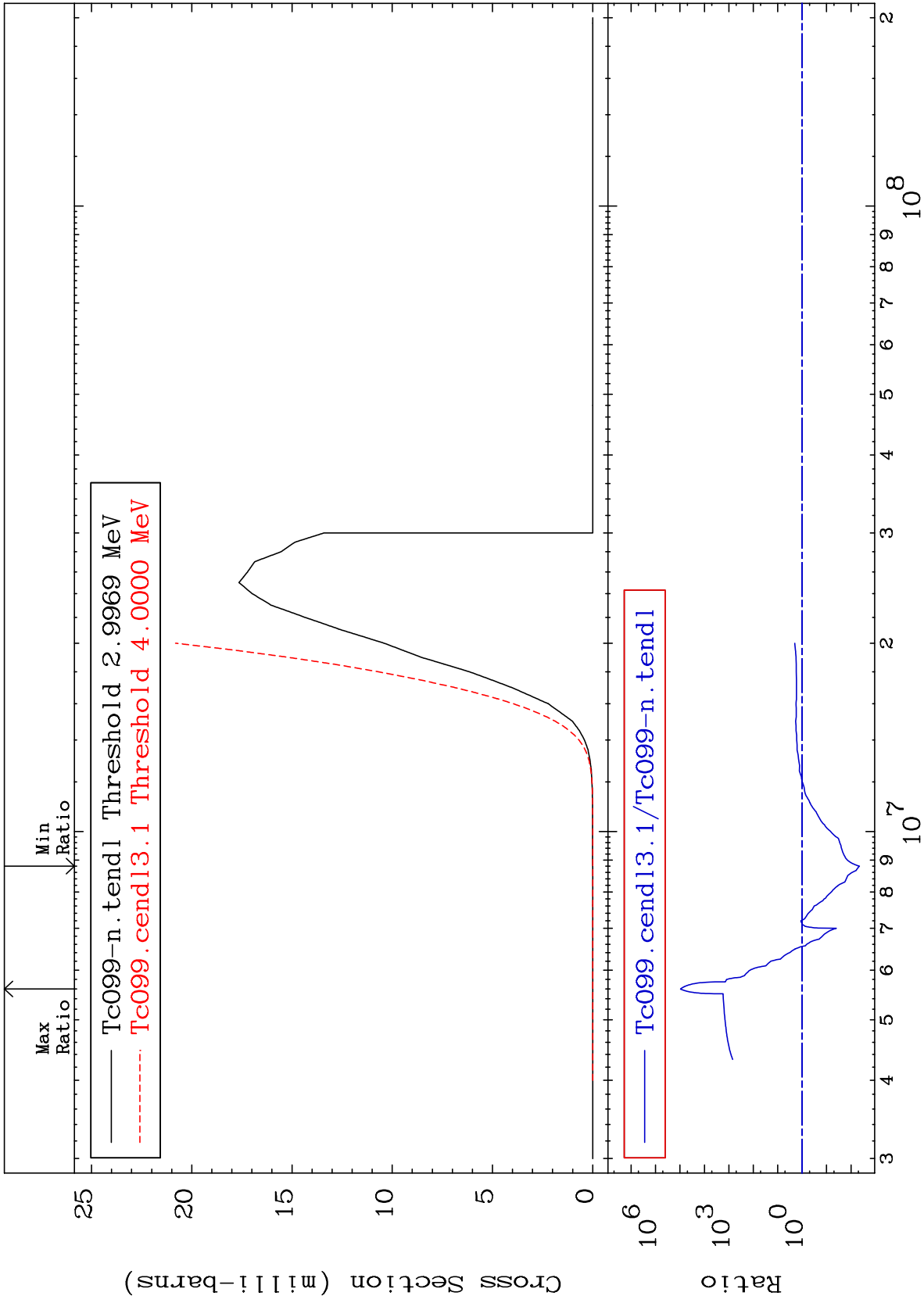




MAT 4325

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

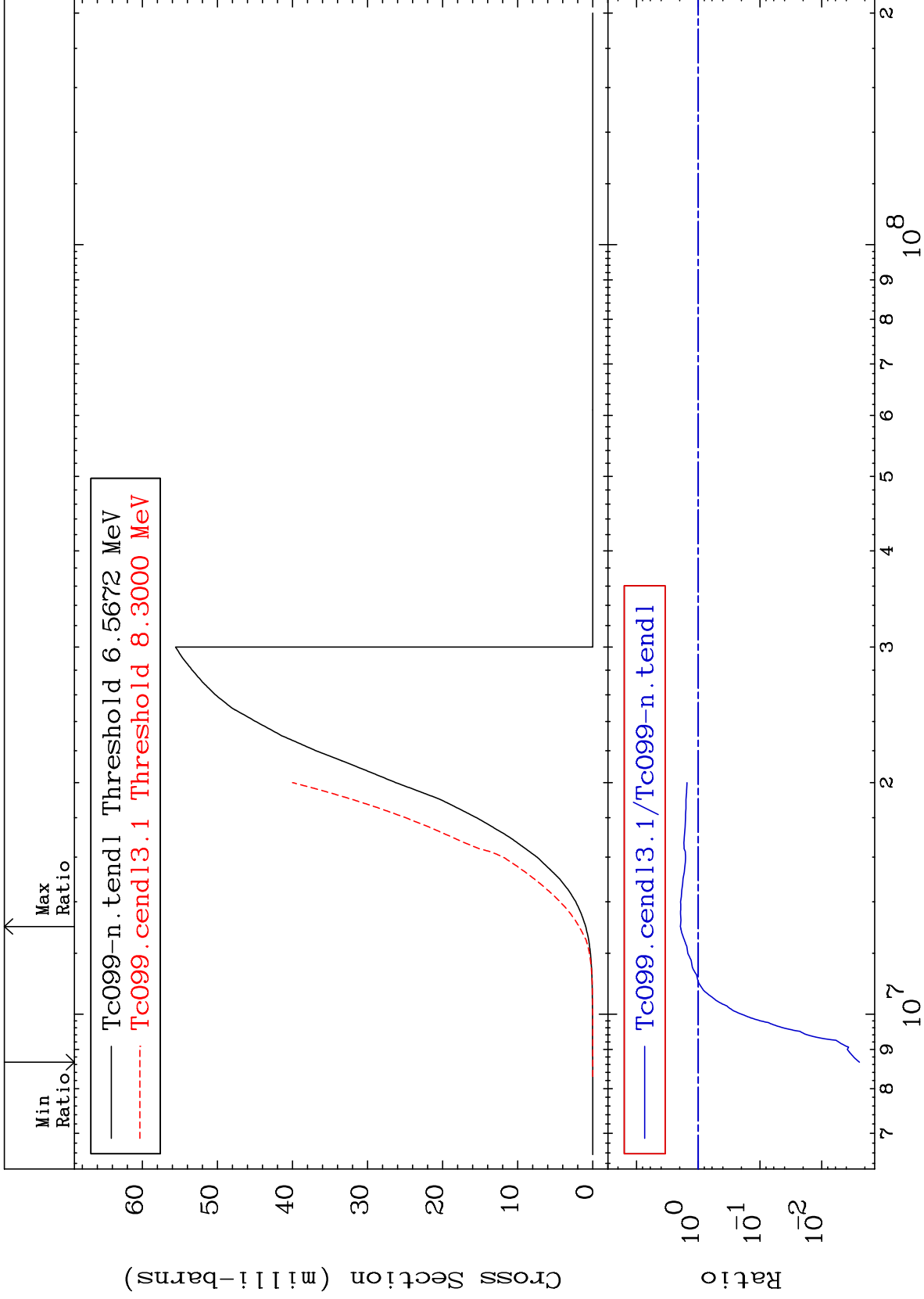
43-Tc-99  
-99.55 To 9999. %



MAT 4325

(n,n') p  
Cross Section

43-Tc-99  
-99.76 To 94.82 %



7

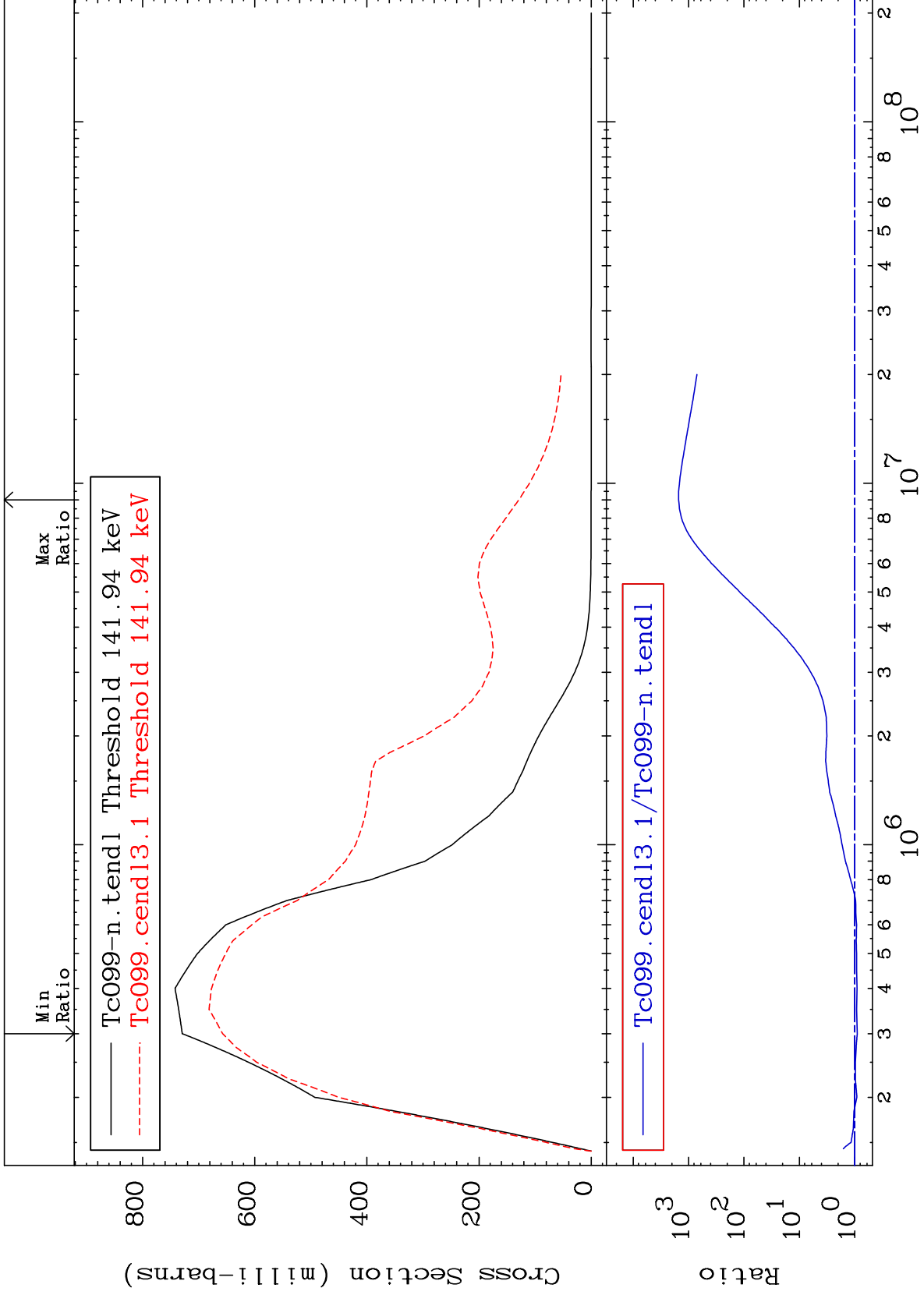
Incident Energy (eV)

43-Tc-99

MAT 4325

140.5 keV (n,n') Level  
Cross Section

43-Tc-99  
-9.872 To 9999. %

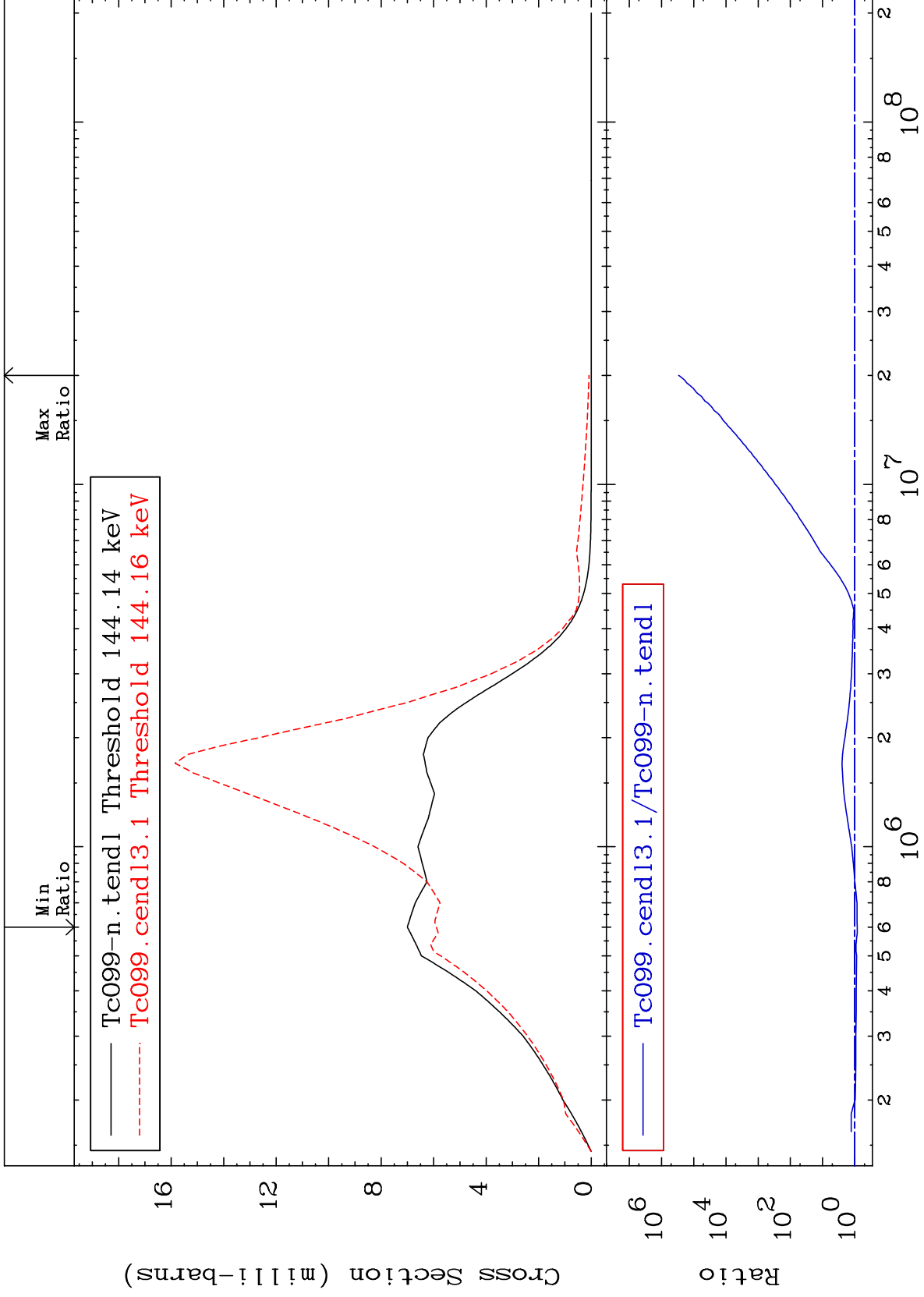




MAT 4325

142.7 keV (n,n') Level  
Cross Section

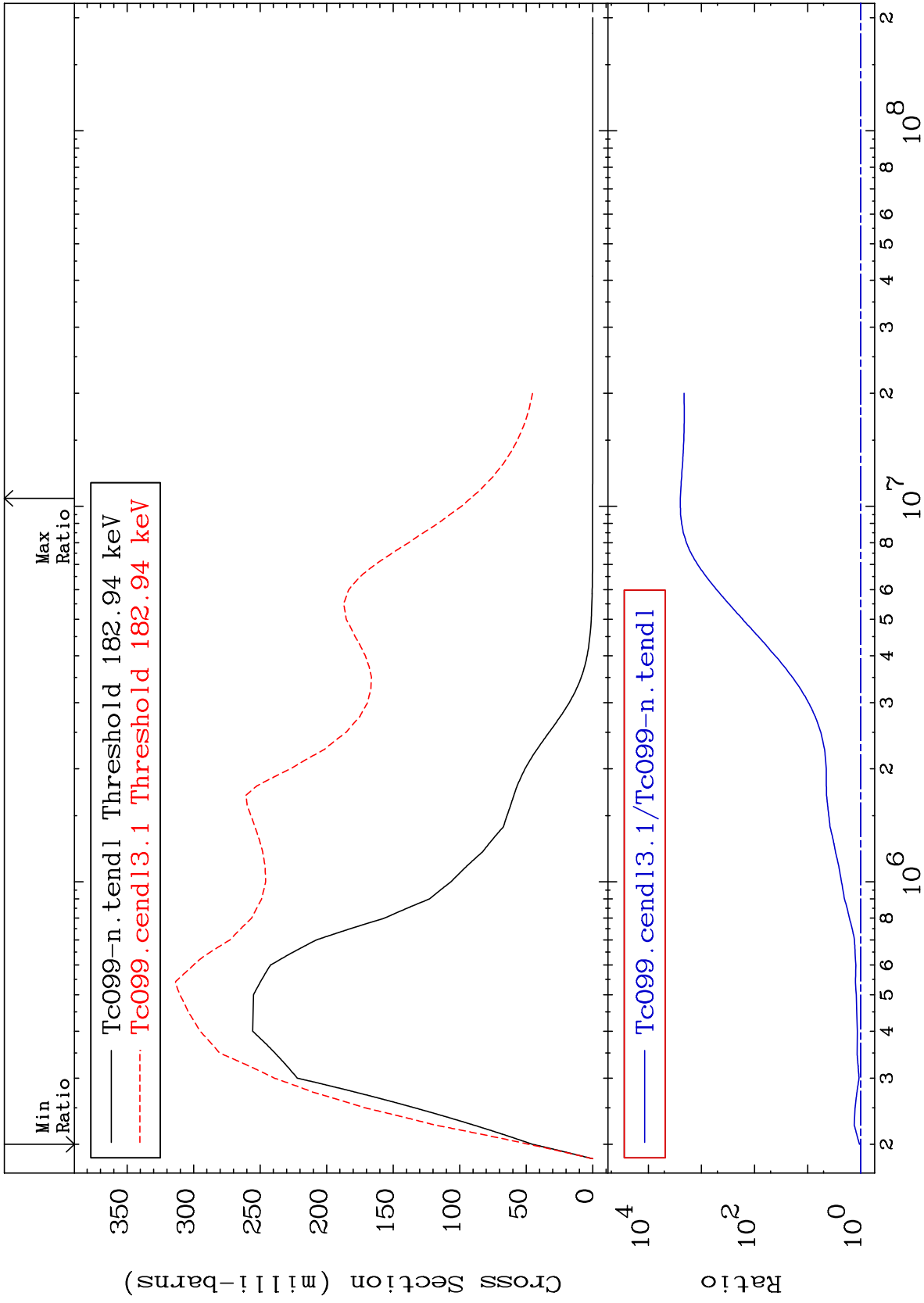
43-Tc-99  
-15.81 To 9999. %



MAT 4325

181.1 keV (n,n') Level  
Cross Section

43-Tc-99  
5.843 To 9999. %



10

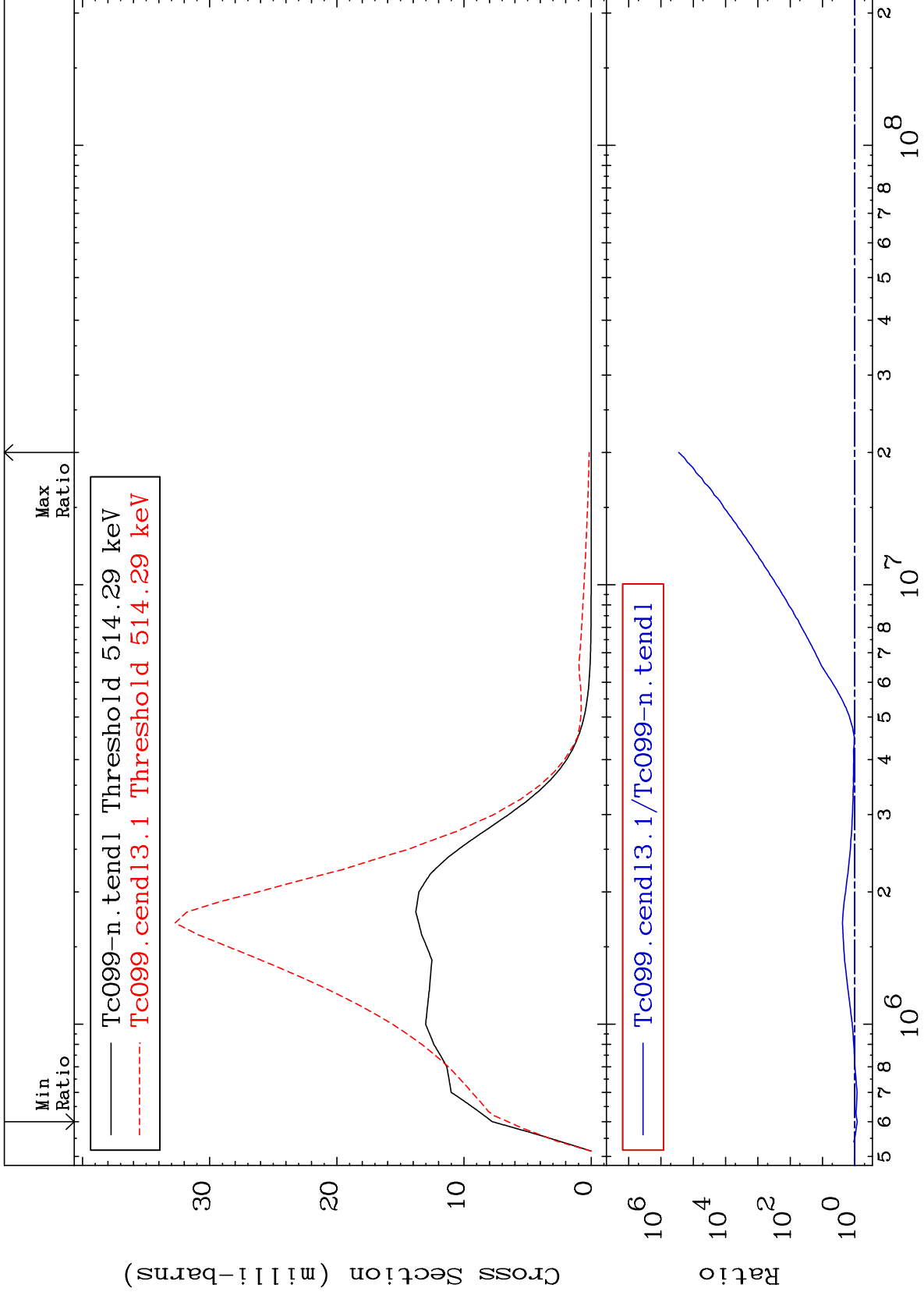
Incident Energy (eV)

43-Tc-99

MAT 4325

509.1 keV (n,n') Level  
Cross Section

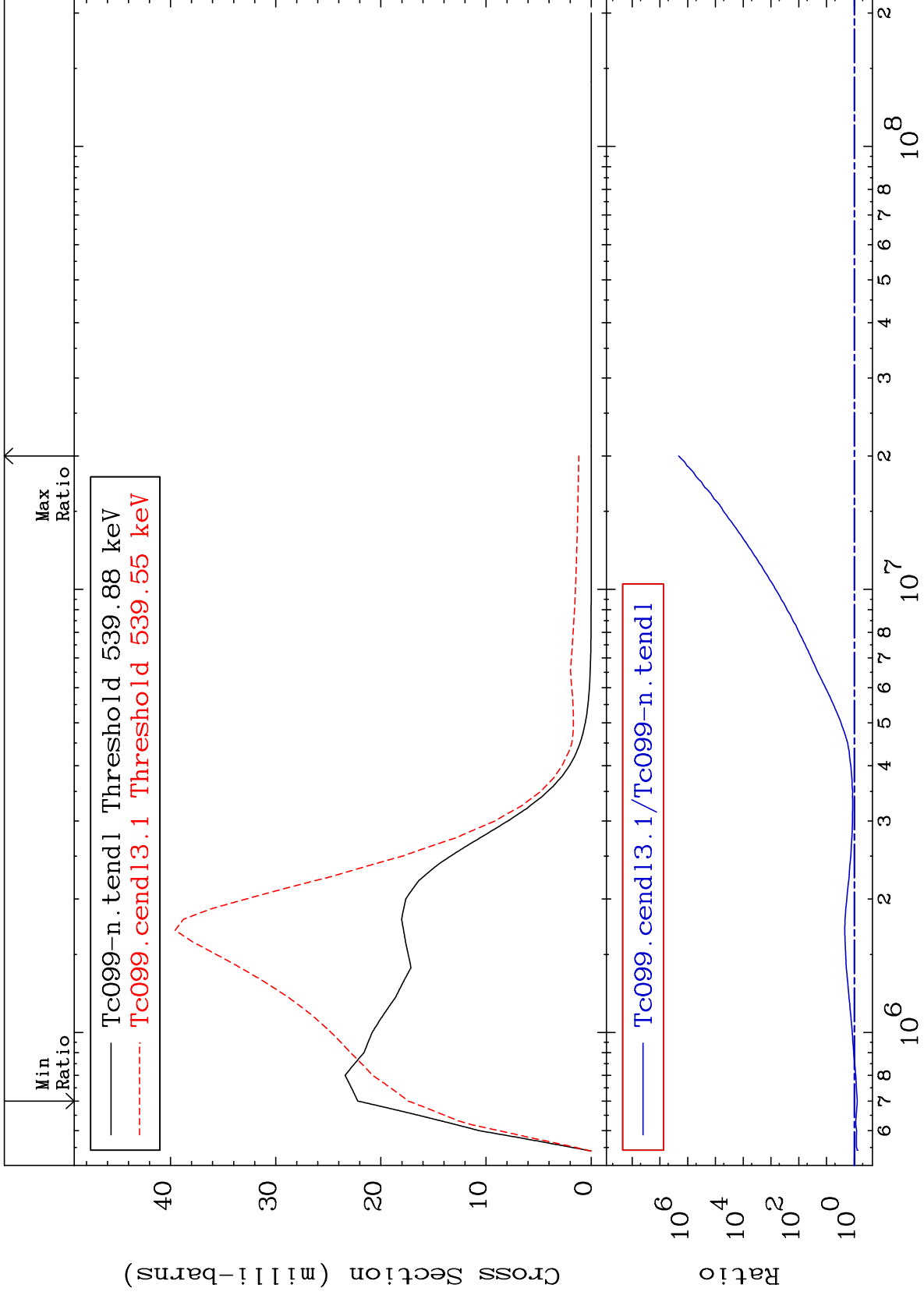
43-Tc-99  
-15.87 To 9999. %



MAT 4325

534.4 keV (n,n') Level  
Cross Section

43-Tc-99  
-21.65 To 9999. %



12

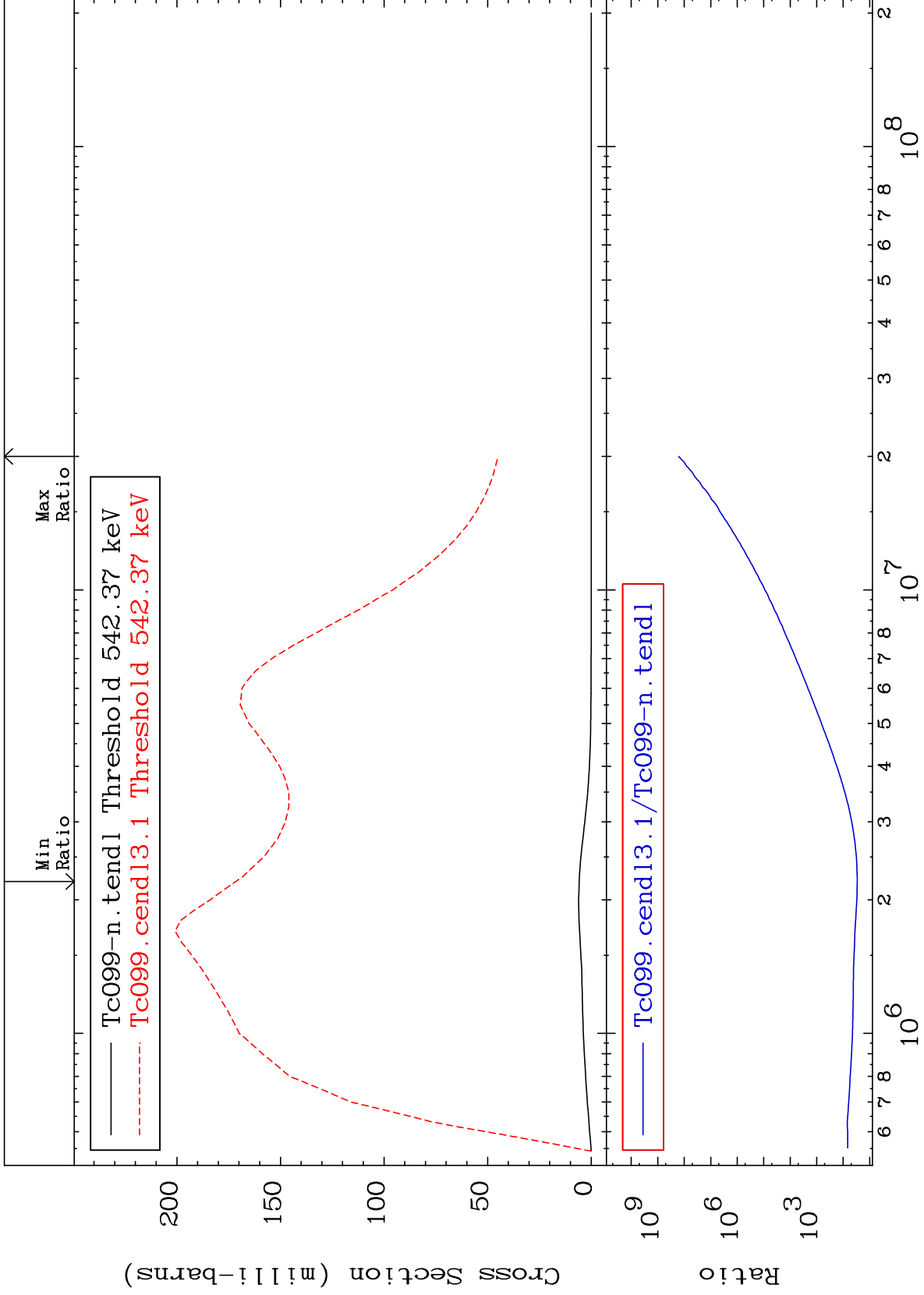
Incident Energy (eV)

43-Tc-99

MAT 4325

536.9 keV (n,n') Level  
Cross Section

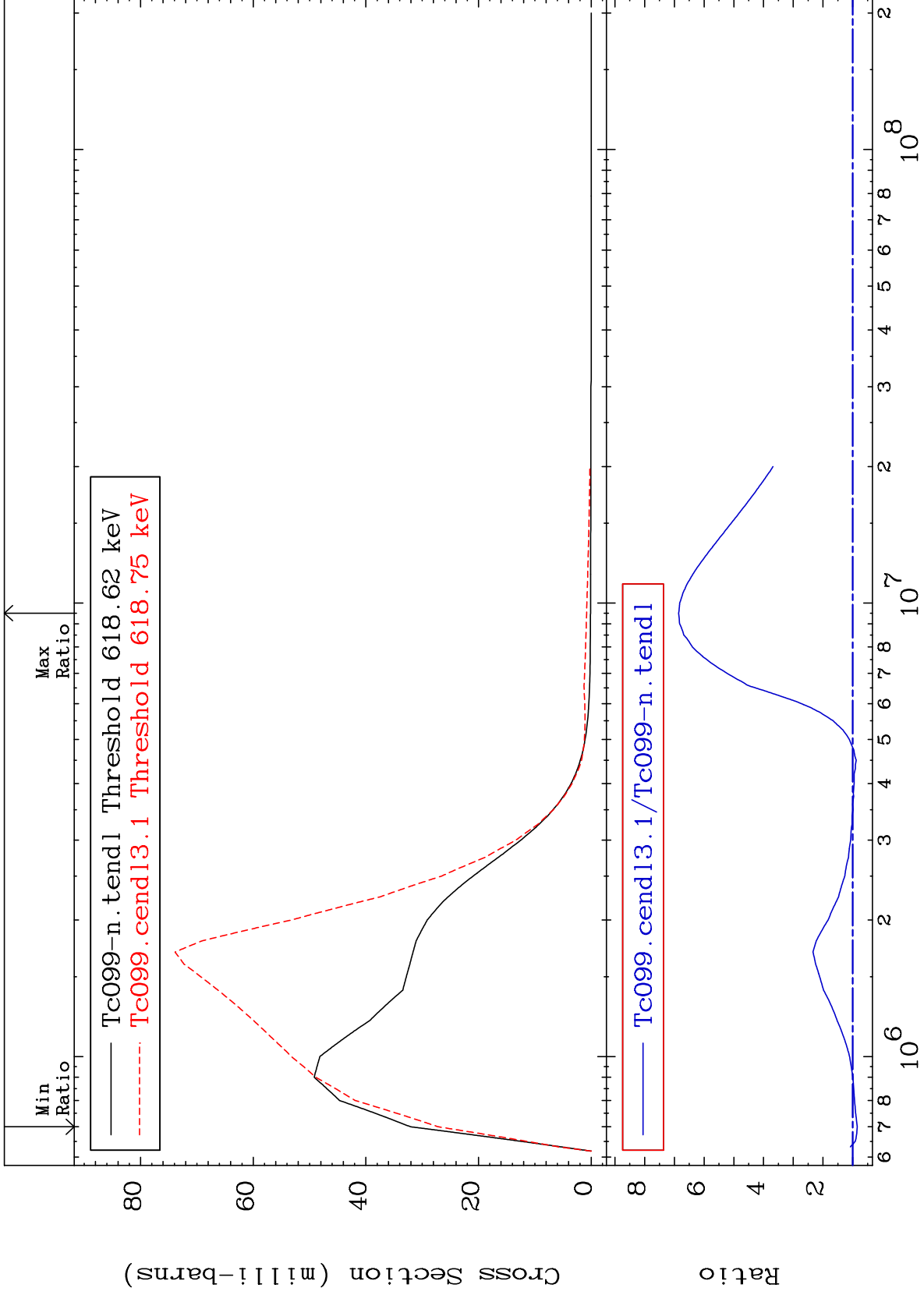
43-Tc-99  
2836. To 9999. %



MAT 4325

612.4 keV (n,n') Level  
Cross Section

43-Tc-99  
-15.27 To 585.6 %



14

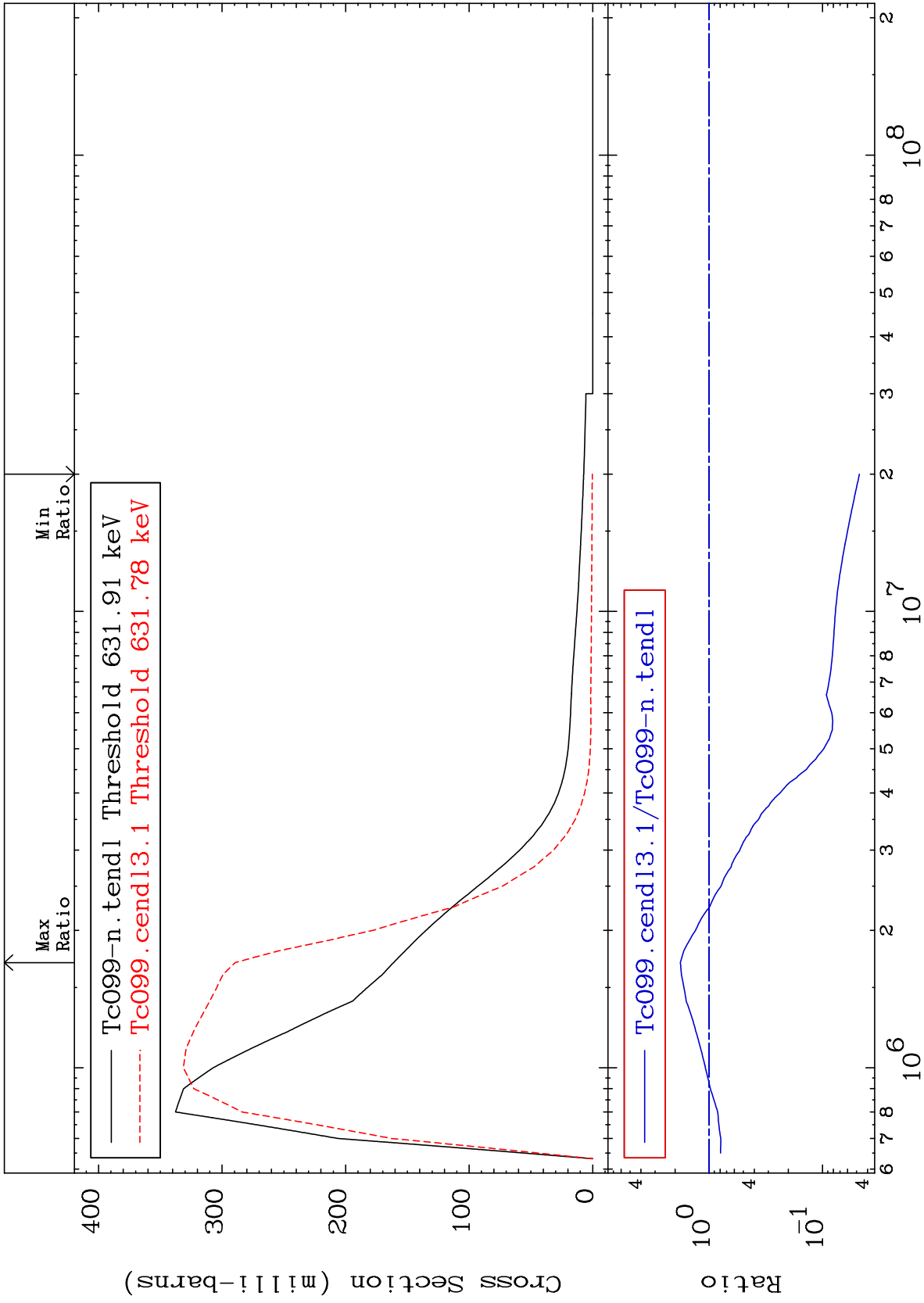
Incident Energy (eV)

43-Tc-99

MAT 4325

625.5 keV (n,n') Level  
Cross Section

43-Tc-99  
-95.28 To 79.55 %



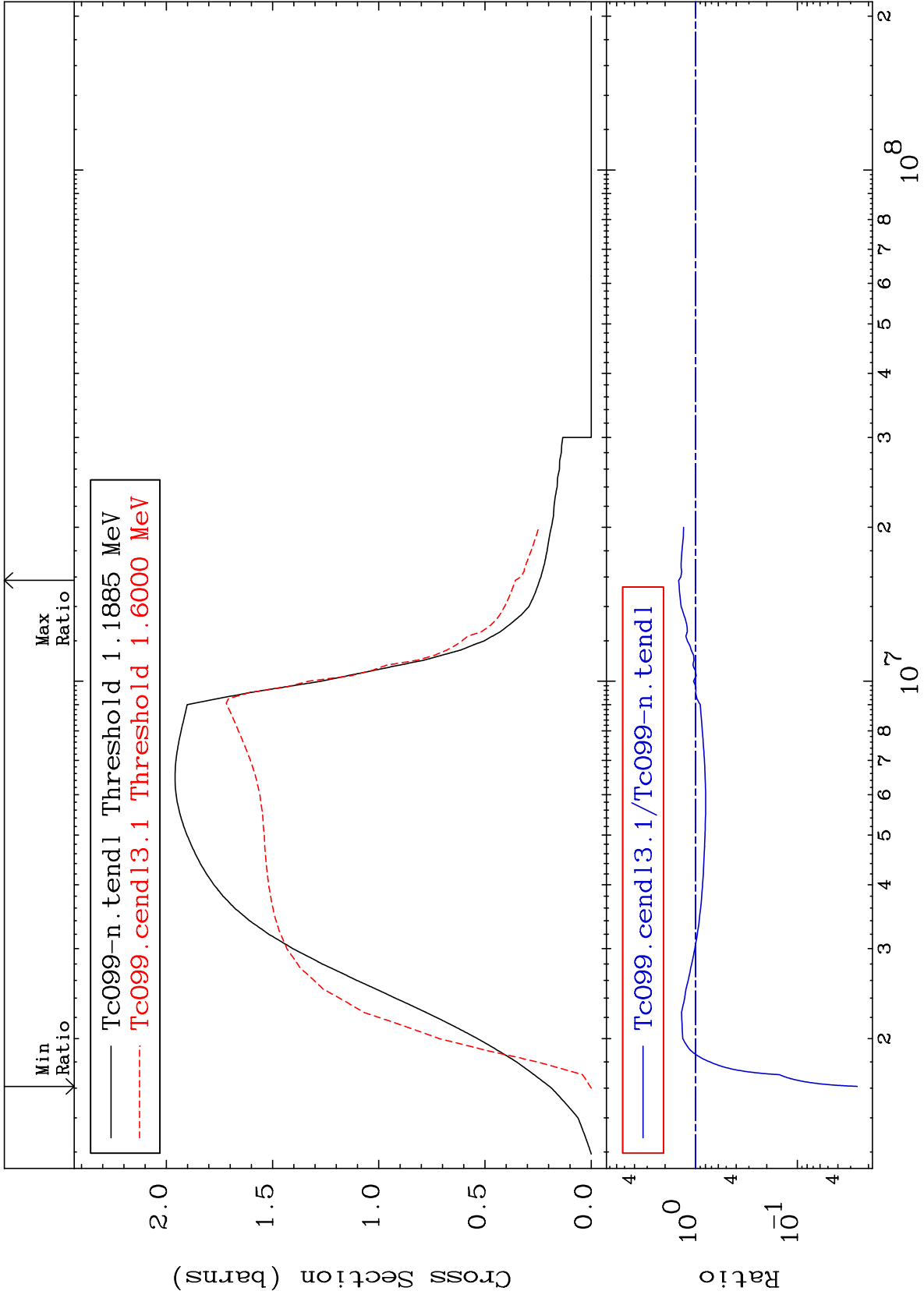
15

43-Tc-99

MAT 4325

(n, n') Continuum  
Cross Section

43-Tc-99  
-97.42 To 47.01 %





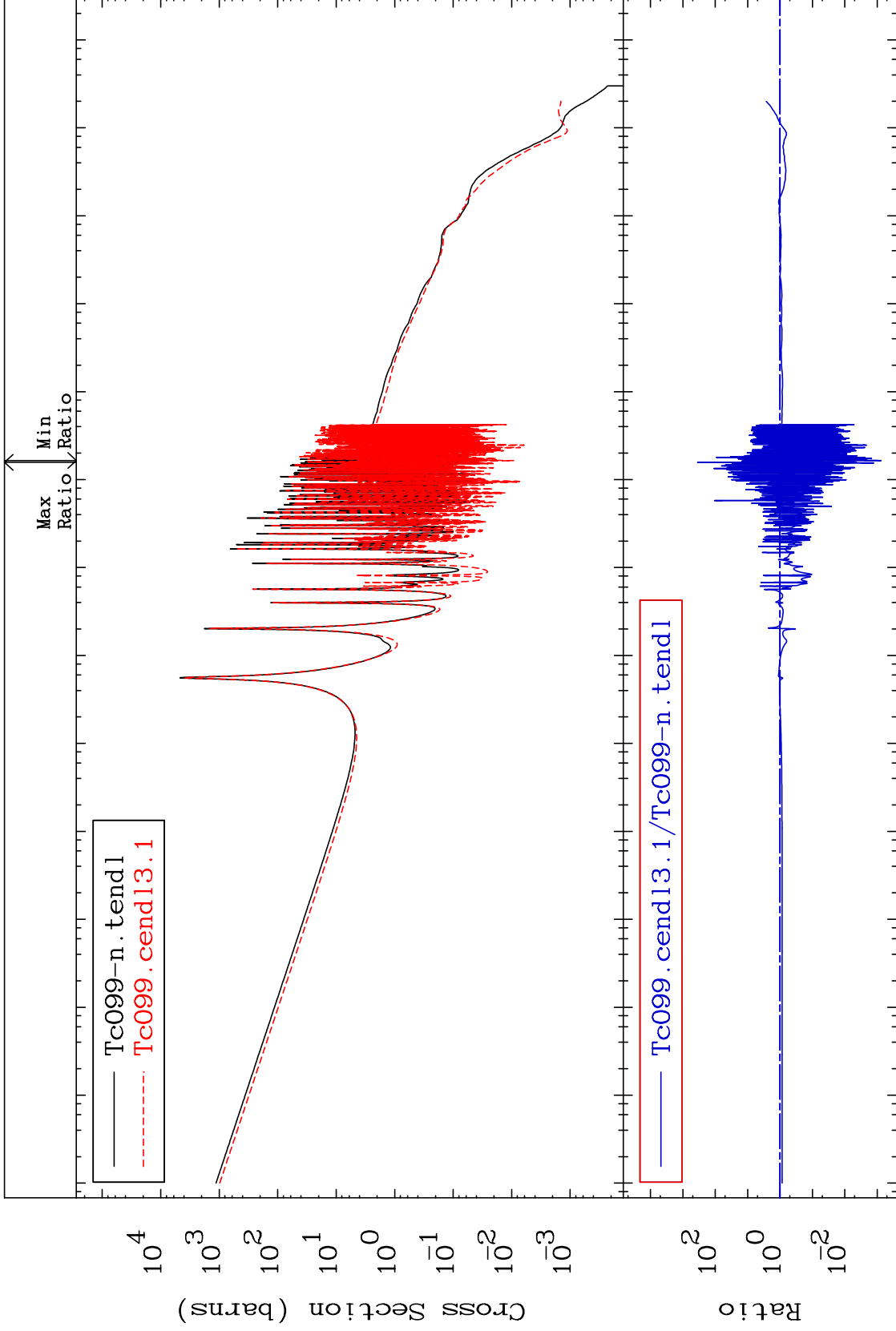
MAT 4325

(n,  $\gamma$ )

43-Tc-99

Cross Section

-99.92 To 9999. %



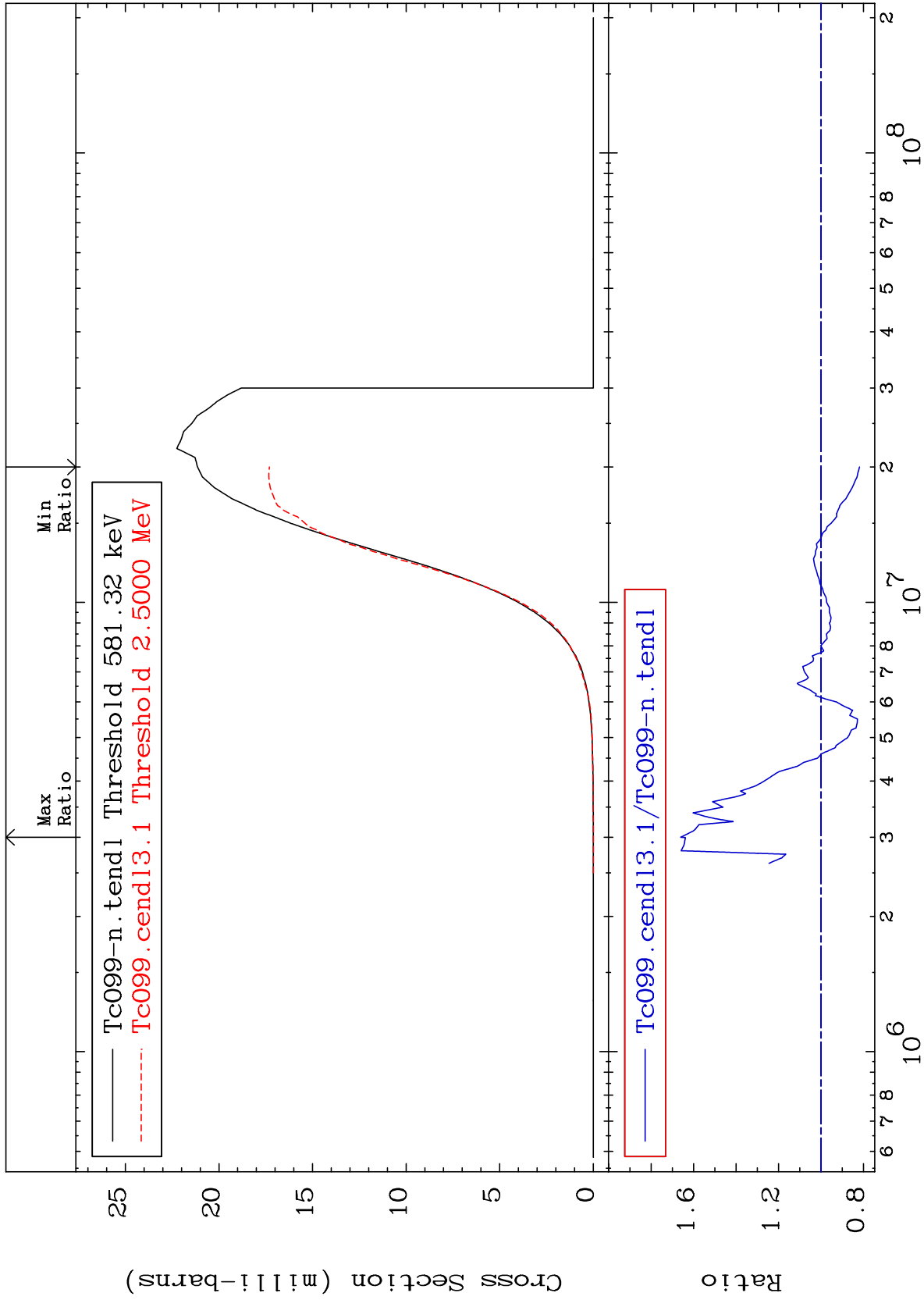
MAT 4325

(n,p)

<sup>43</sup>Tc-99

Cross Section

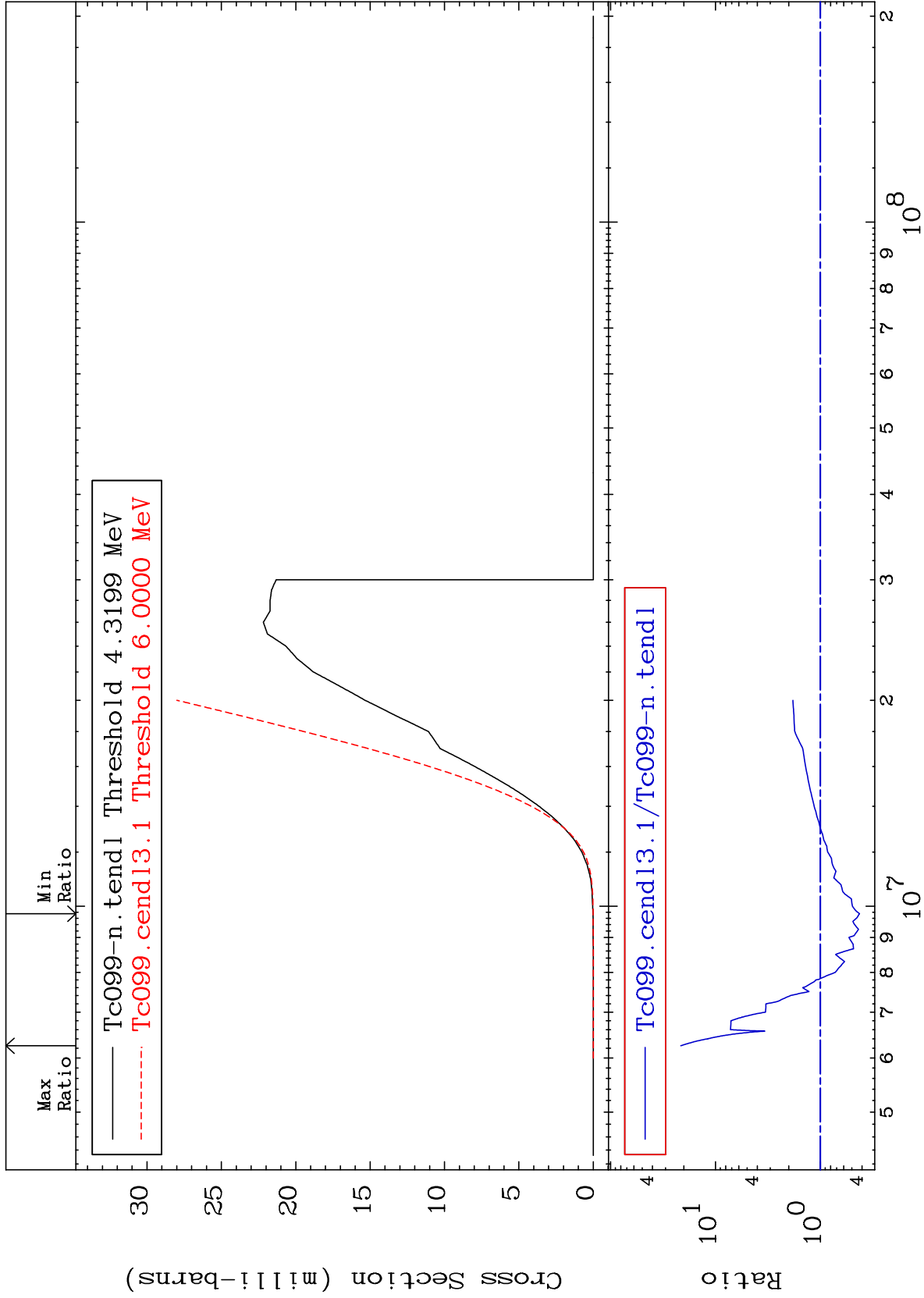
-18.17 To 66.04 %



18

Incident Energy (eV)

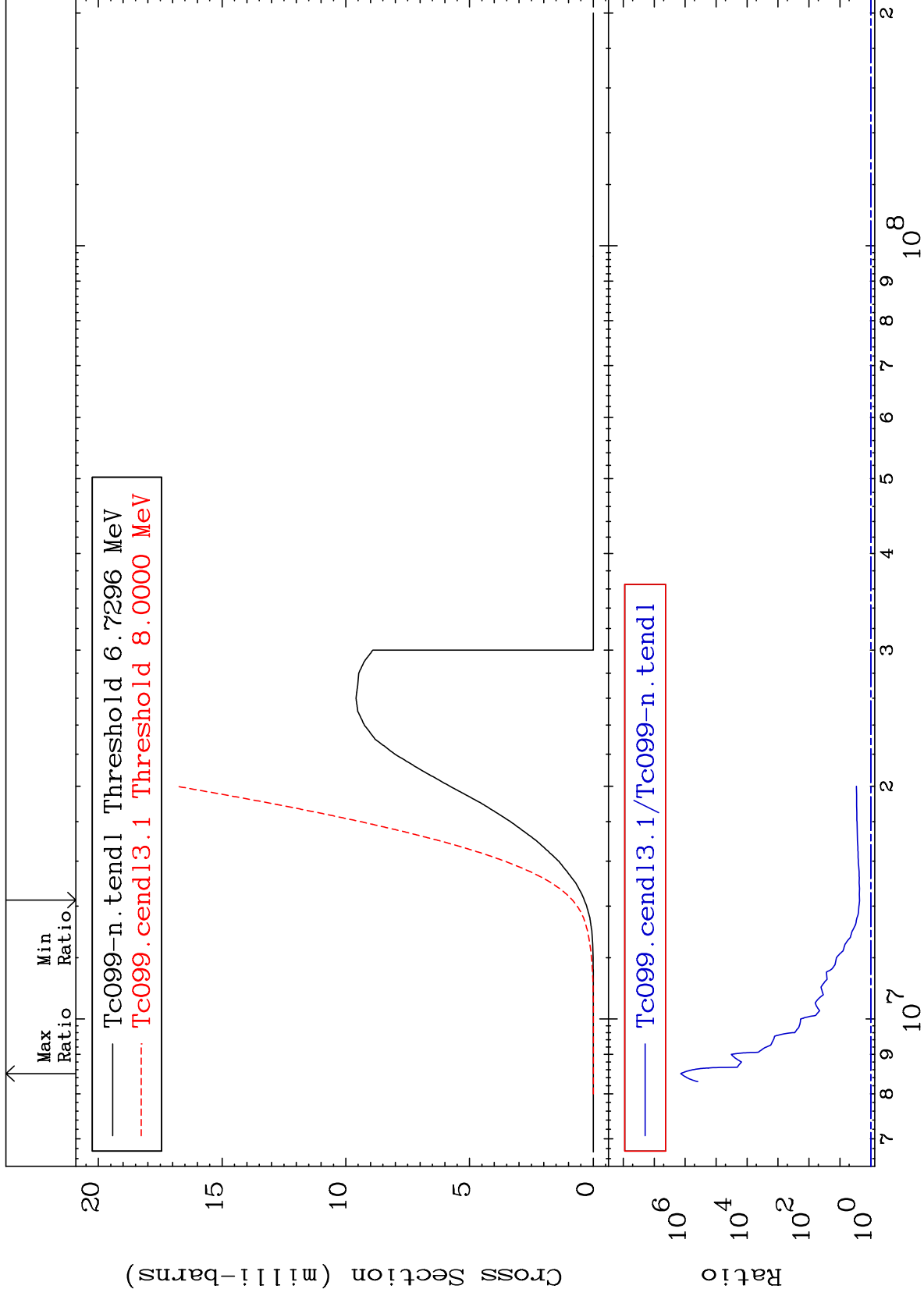
<sup>43</sup>Tc-99



MAT 4325

(n, t)  
Cross Section

43-Tc-99  
131.7 To 9999. %



20

Incident Energy (eV)

43-Tc-99

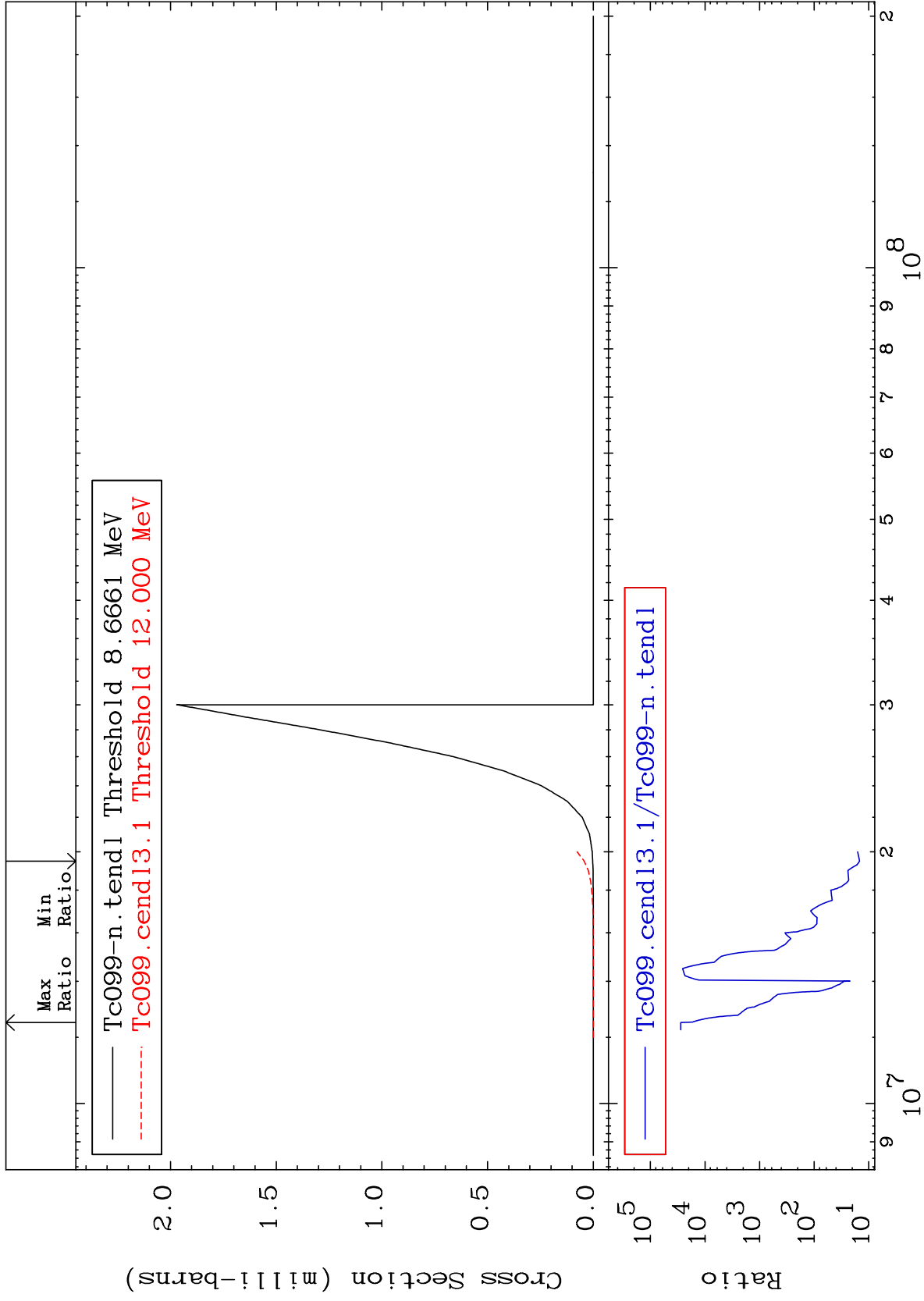
MAT 4325

(n, He-3)

43-Tc-99

Cross Section

1376. To 9999. %



21

Incident Energy (eV)

43-Tc-99

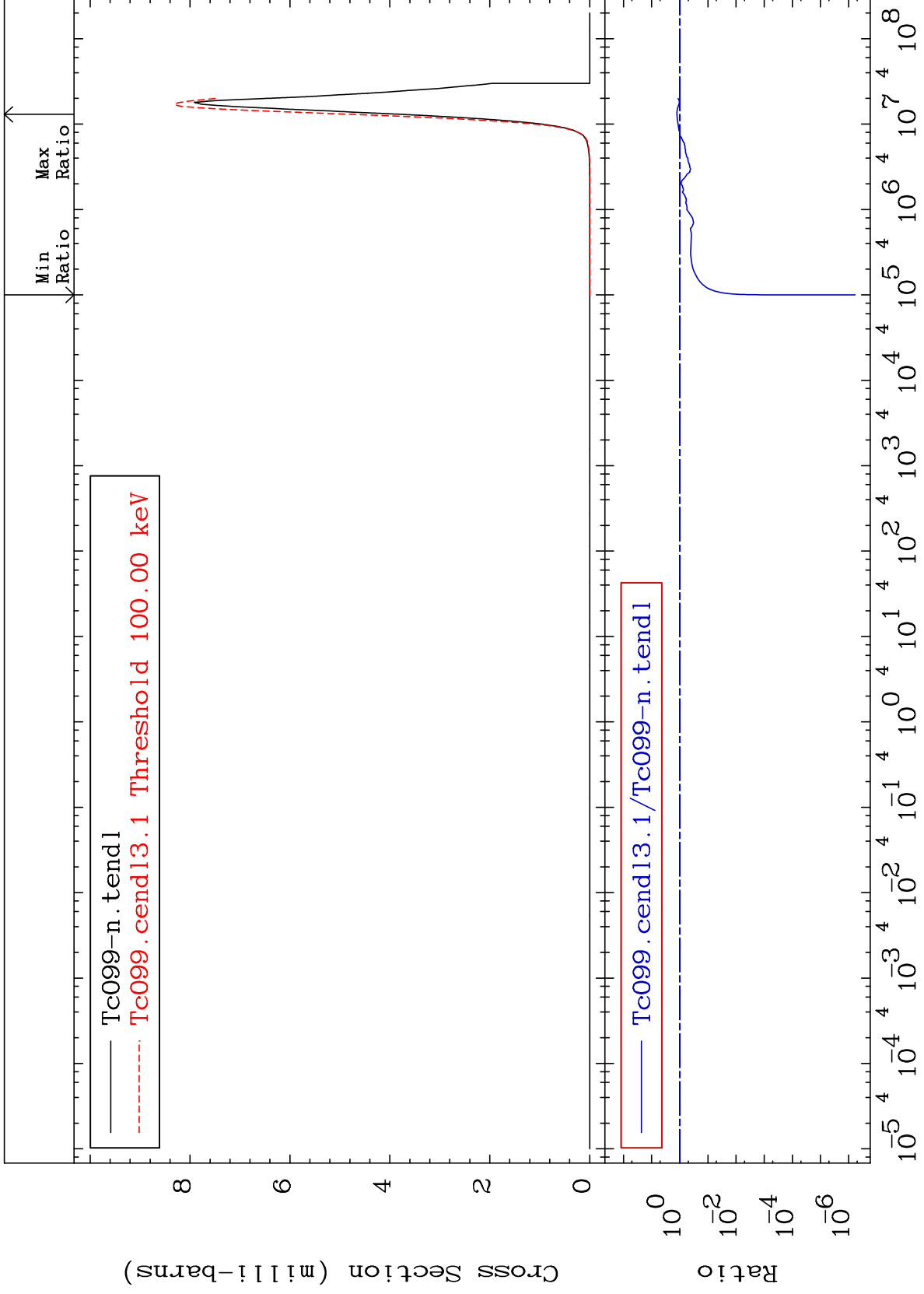
MAT 4325

(n,  $\alpha$ )

43-Tc-99

Cross Section

-100.0 To 26.21 %



22

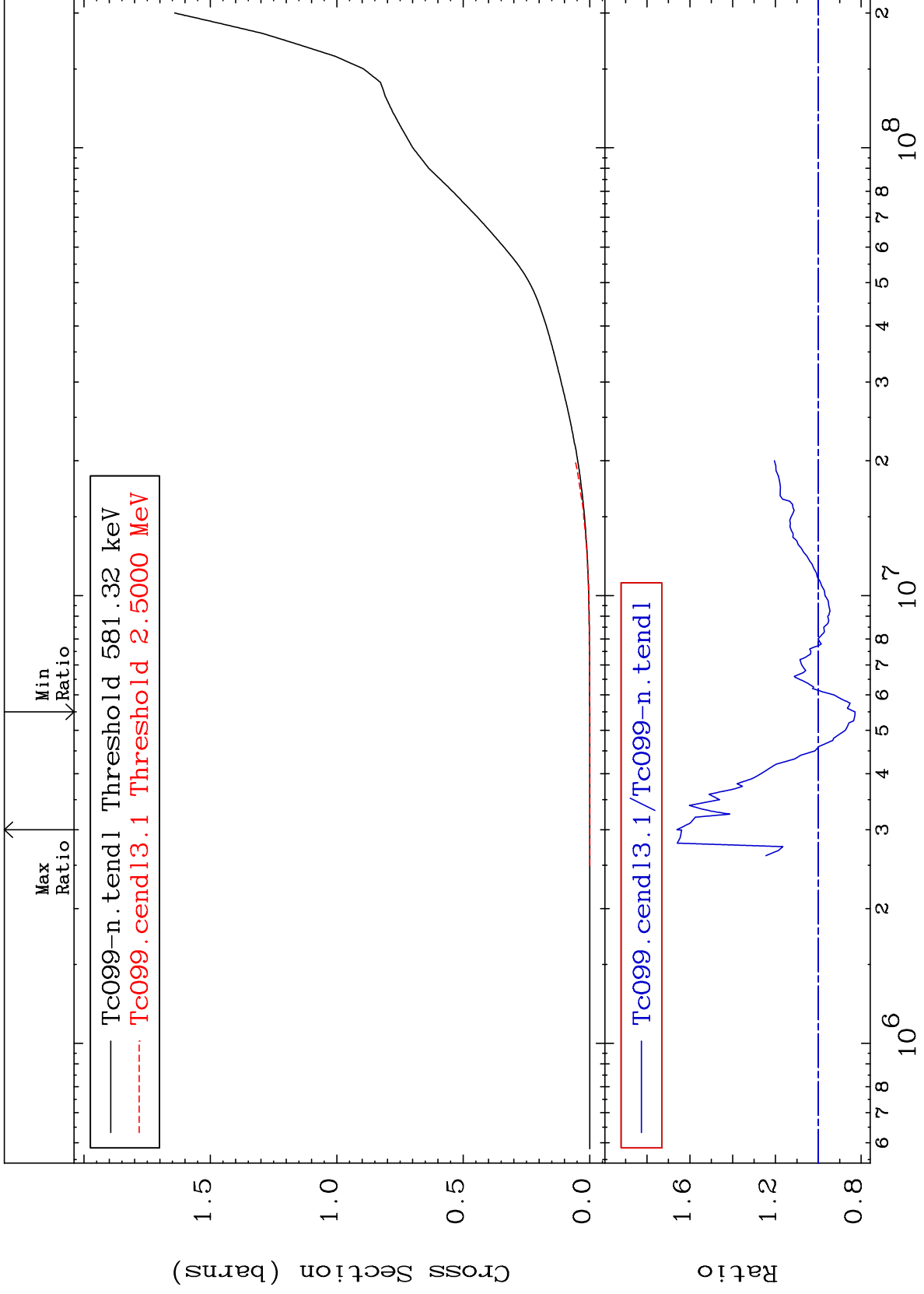
Incident Energy (eV)

43-Tc-99

MAT 4325

Hydrogen Production  
Cross Section

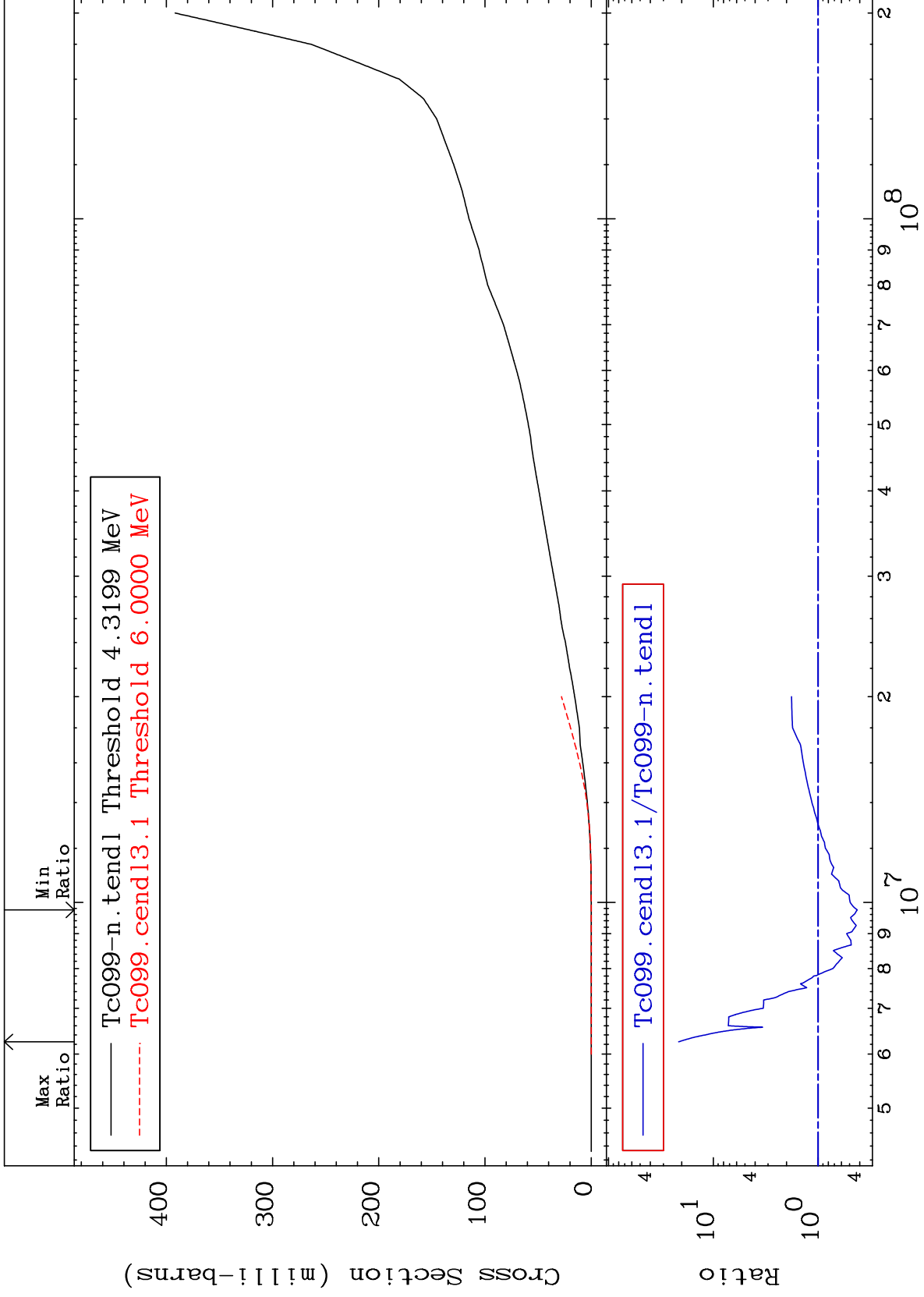
$^{43}\text{Tc-99}$   
-17.17 To 66.04 %



MAT 4325

Deuterium Production  
Cross Section

<sup>43</sup>Tc-99  
-57.70 To 2044. %

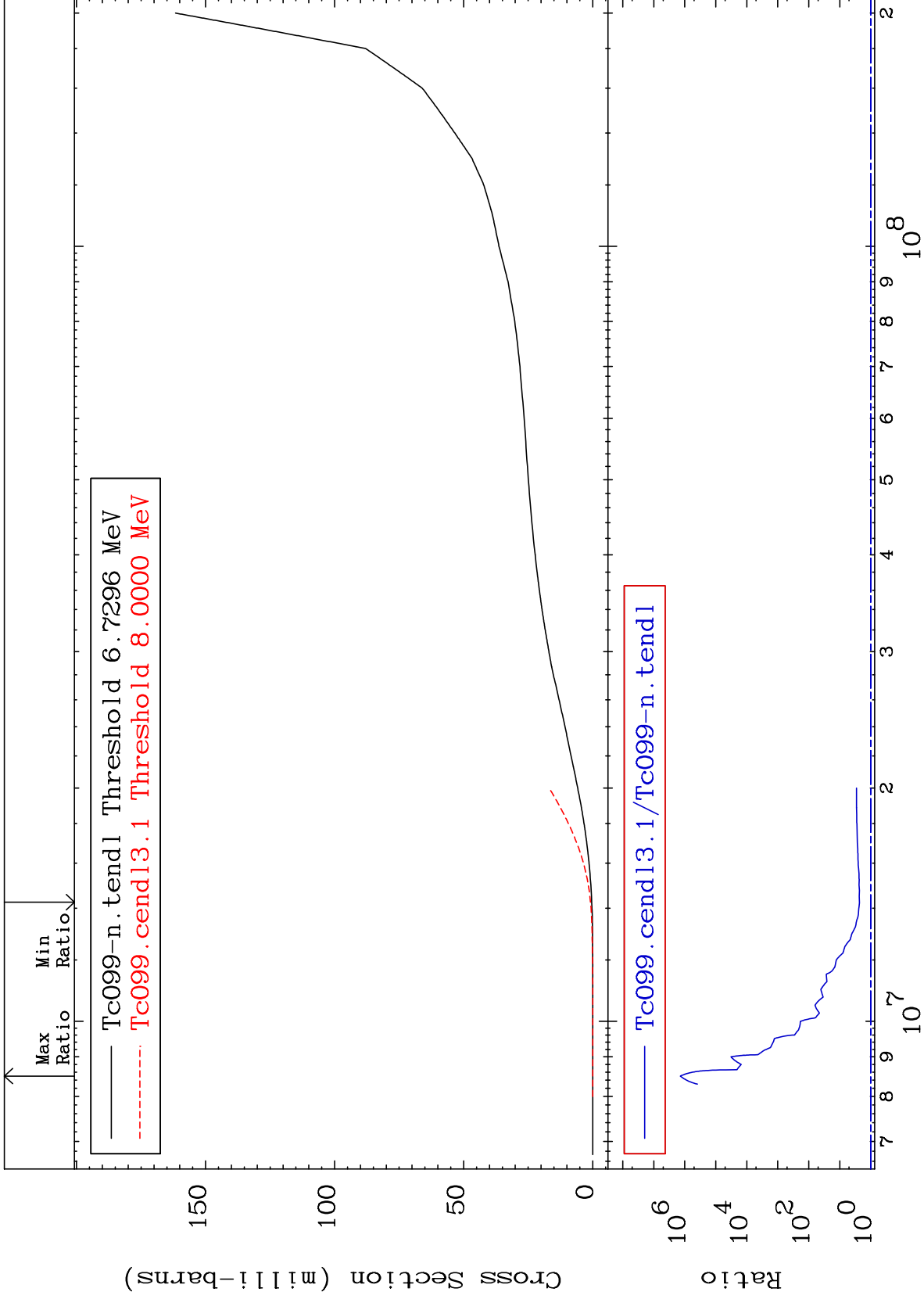




MAT 4325

Tritium Production  
Cross Section

43-Tc-99  
131.7 To 9999. %



25

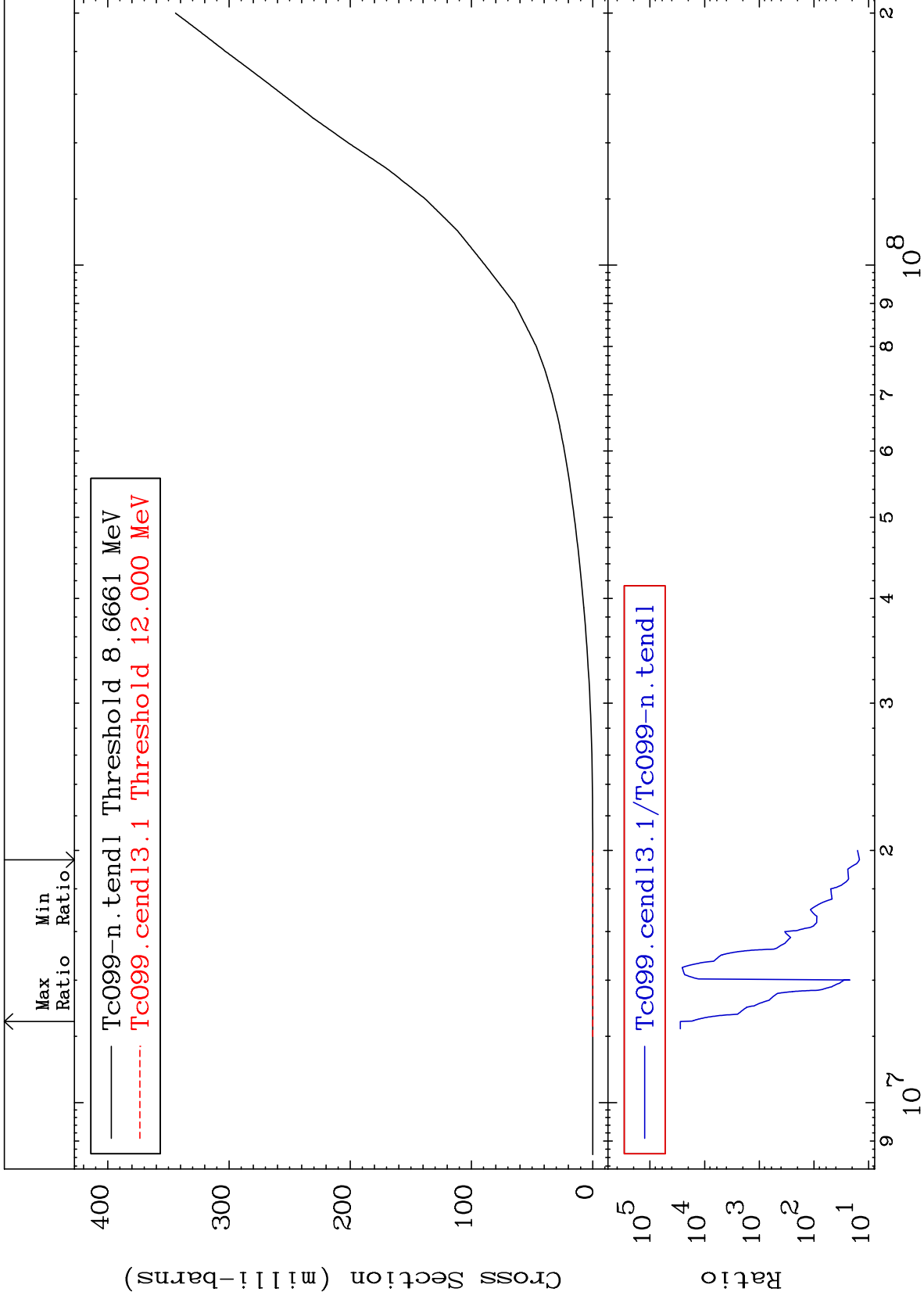
Incident Energy (eV)

43-Tc-99

MAT 4325

He-3 Production  
Cross Section

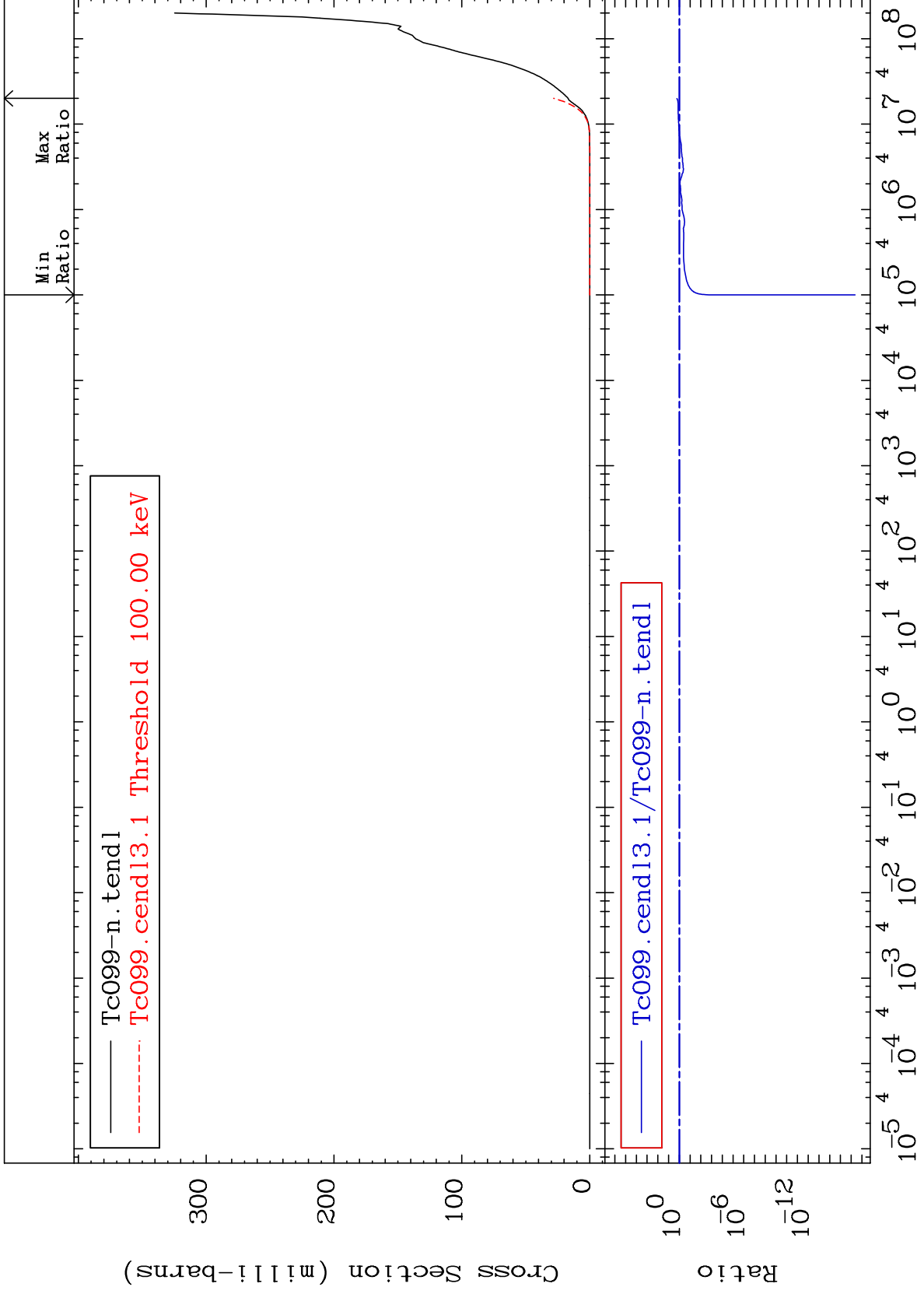
43-Tc-99  
1376. To 9999. %



MAT 4325

He-4 Production  
Cross Section

43-Tc-99  
-100.0 To 67.41 %



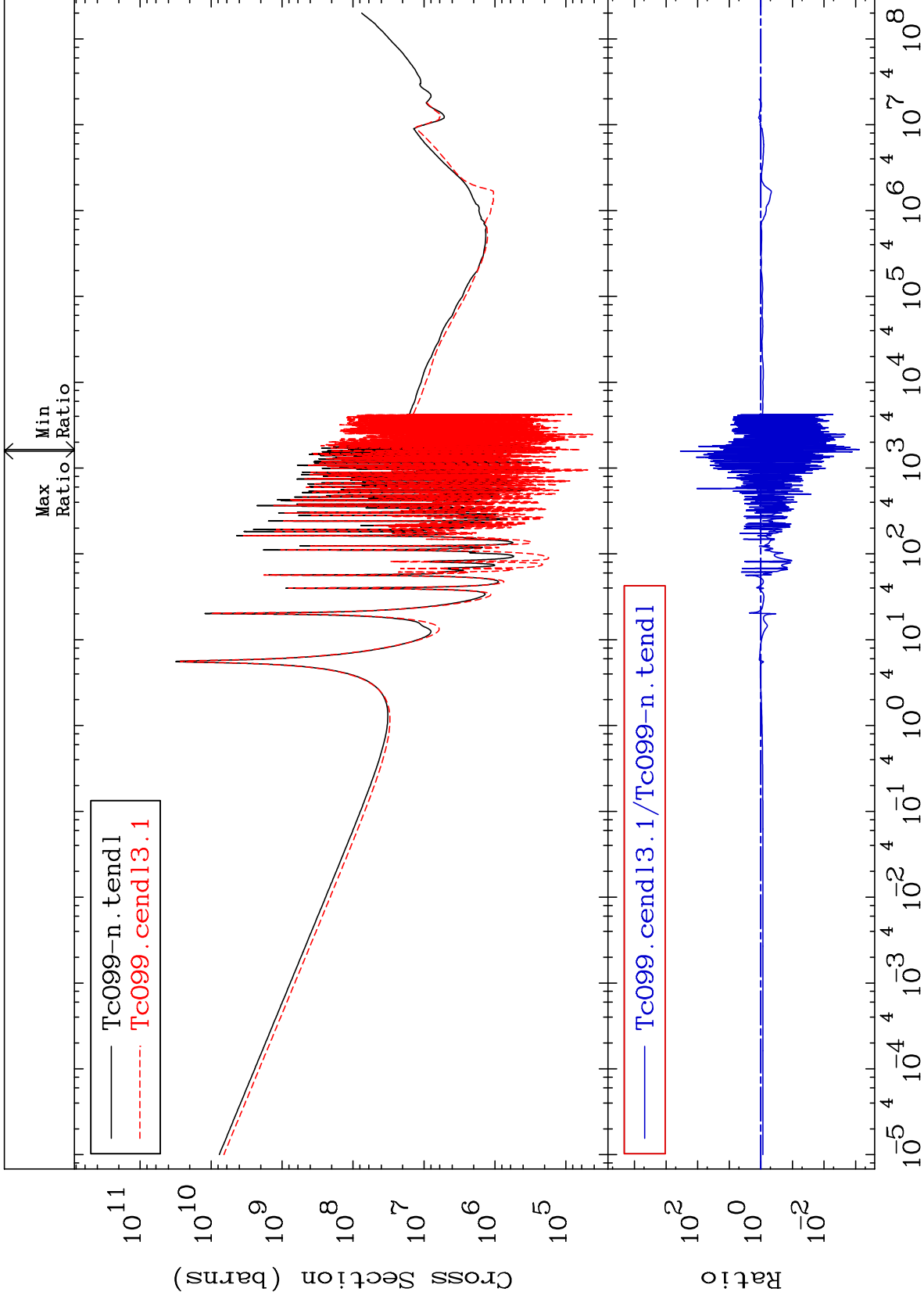
MAT 4325

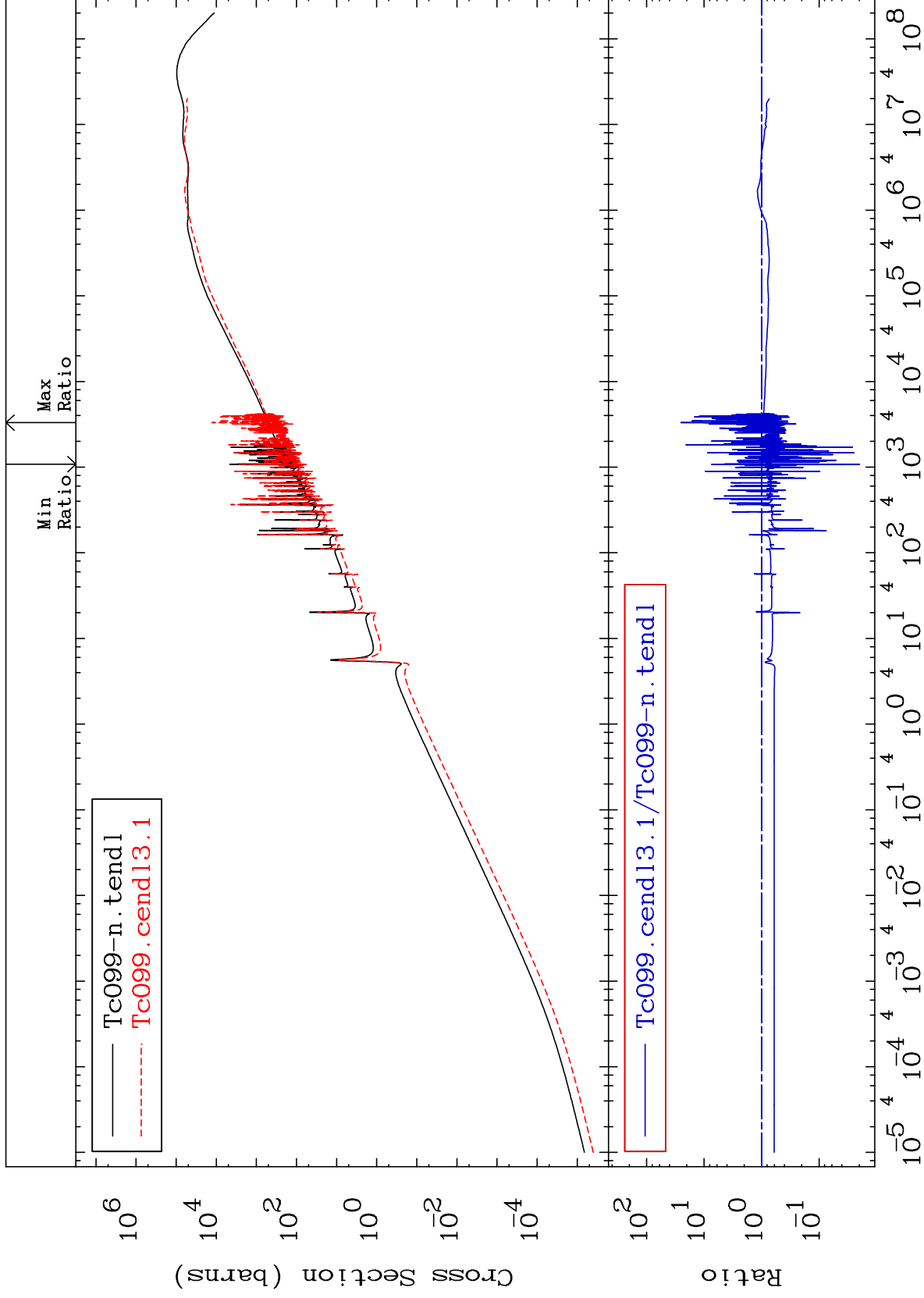
Kerma total (eV-barns)

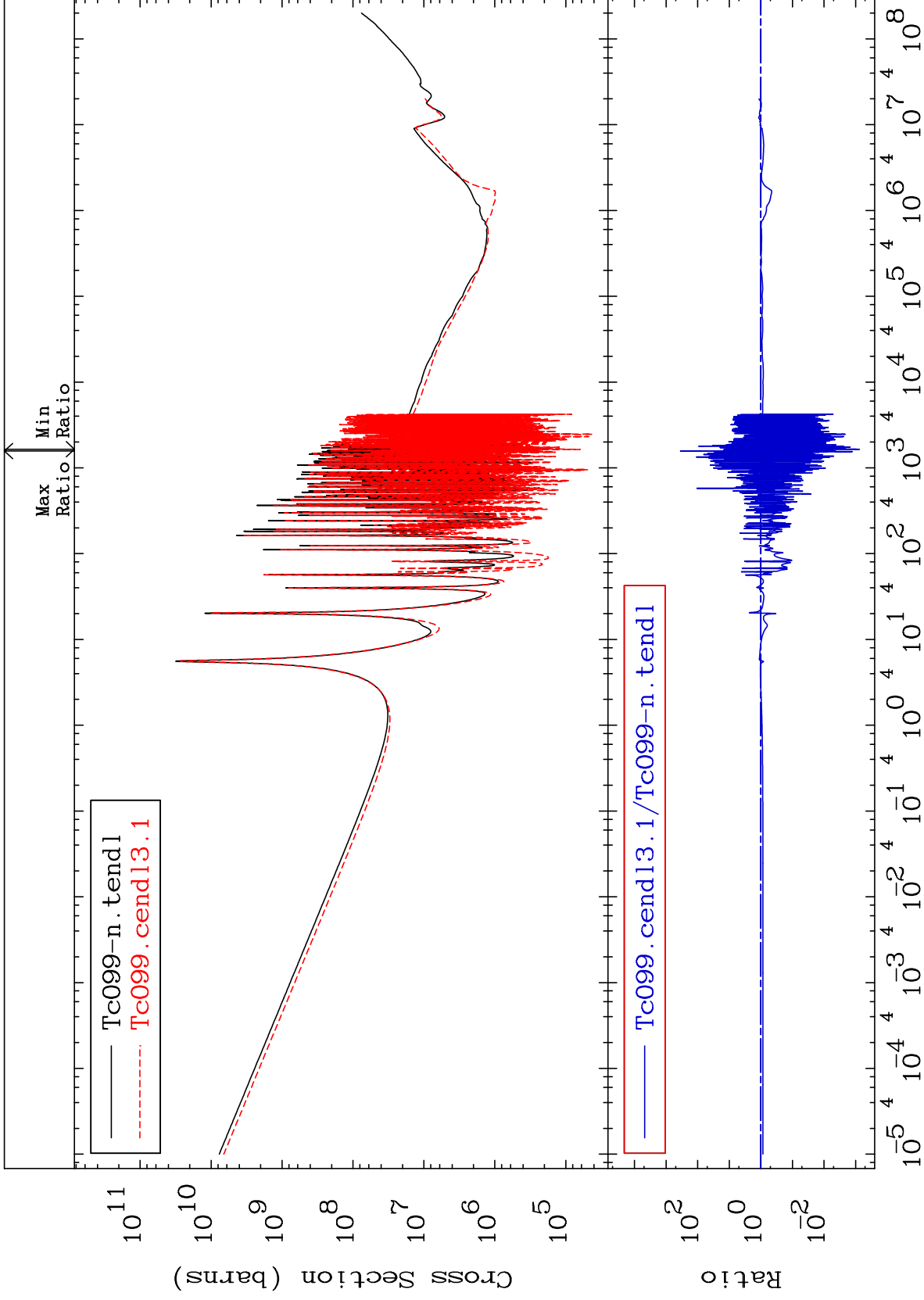
43-Tc-99

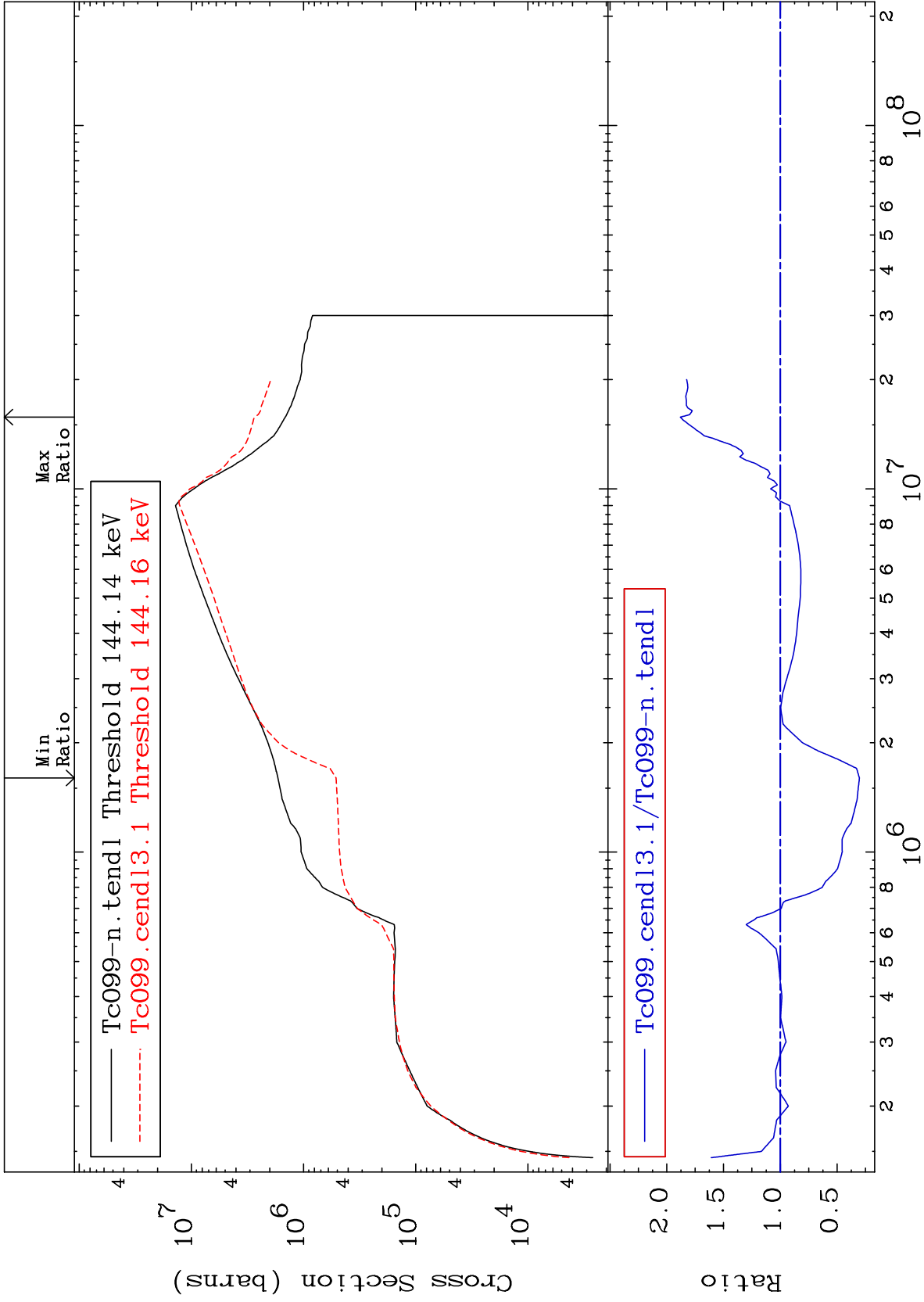
Cross Section

-99.92 To 9999. %





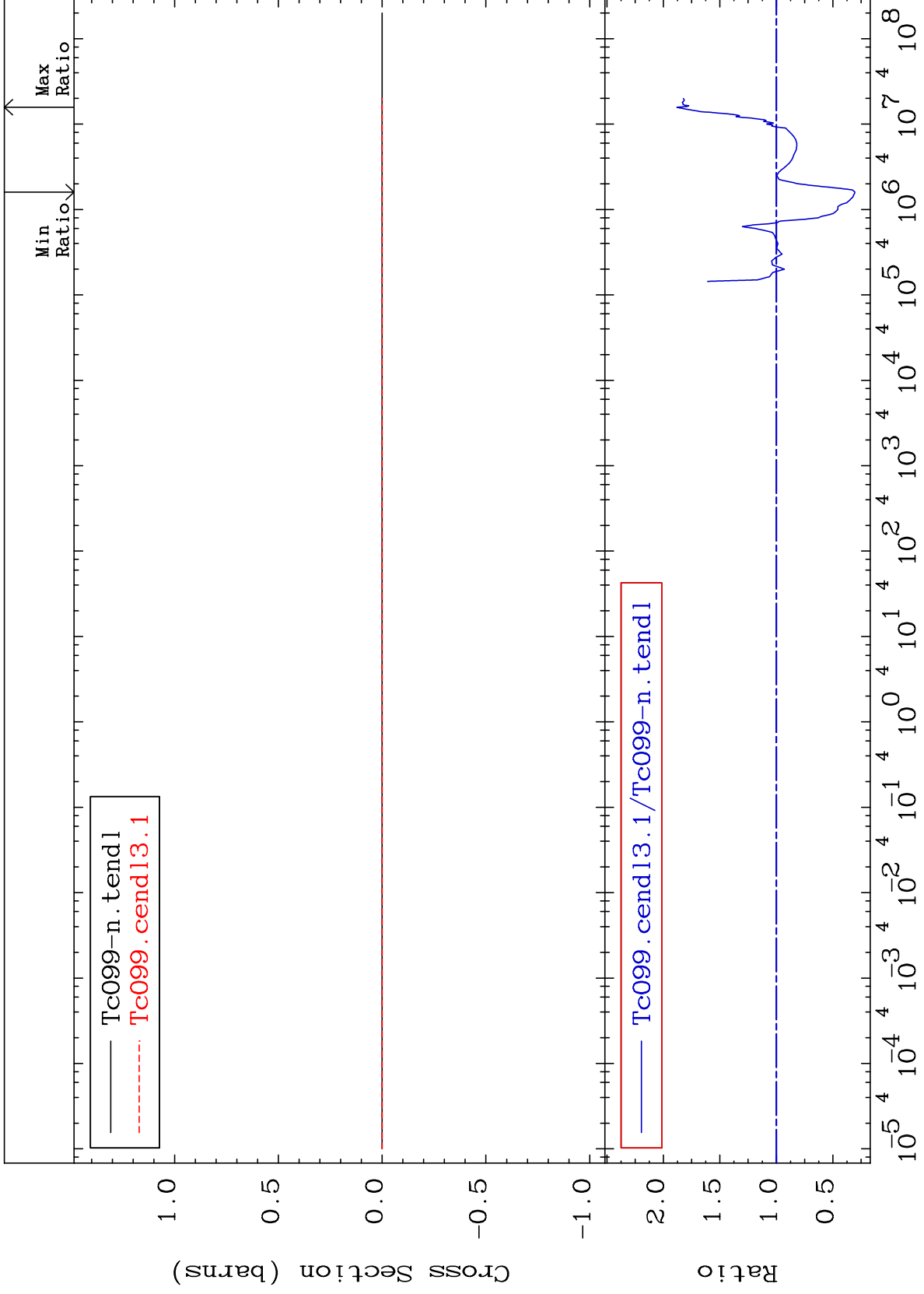




MAT 4325

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

43-Tc-99  
-69.74 To 88.09 %

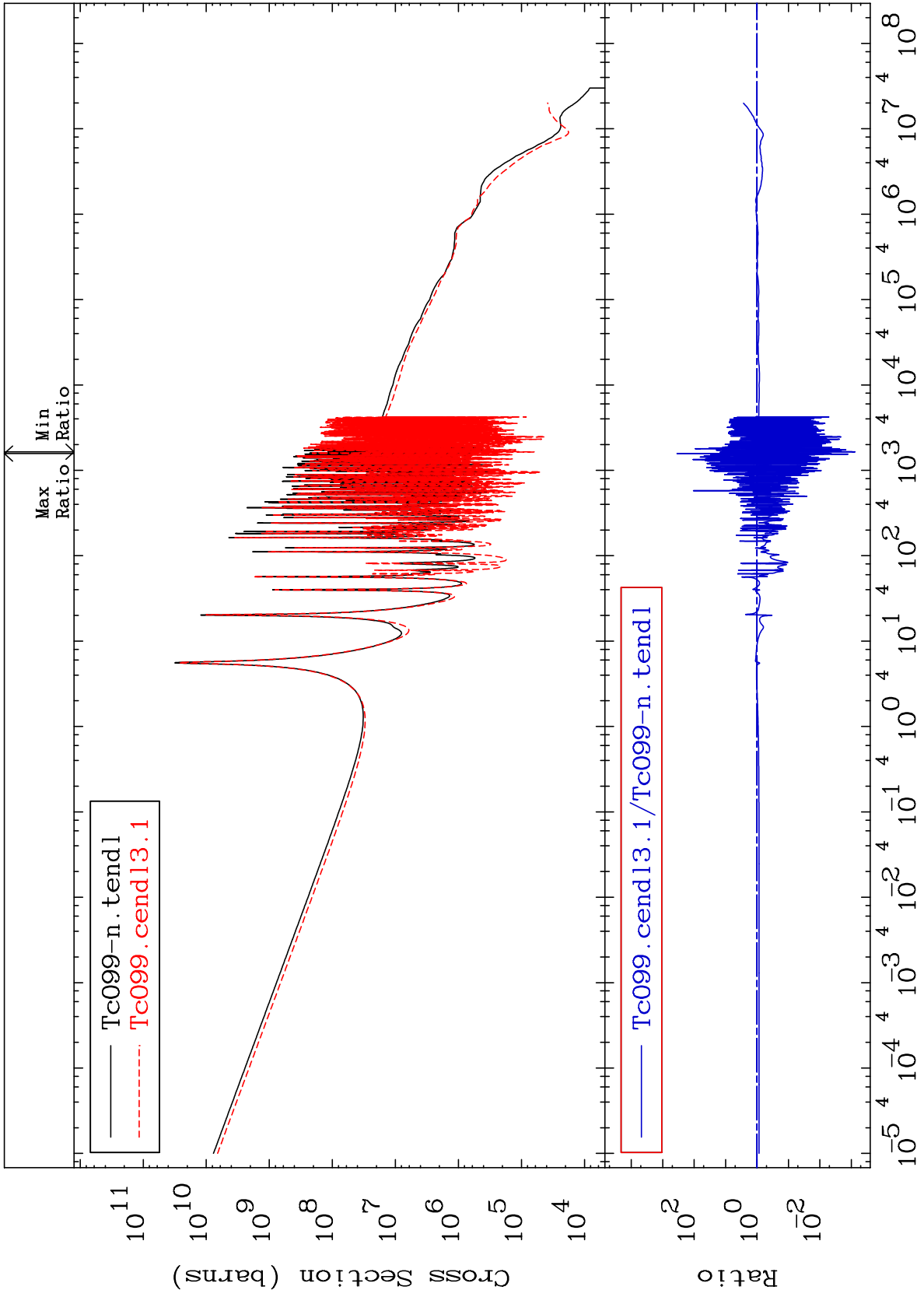




MAT 4325

Kerma capture (mt102)  
Cross Section

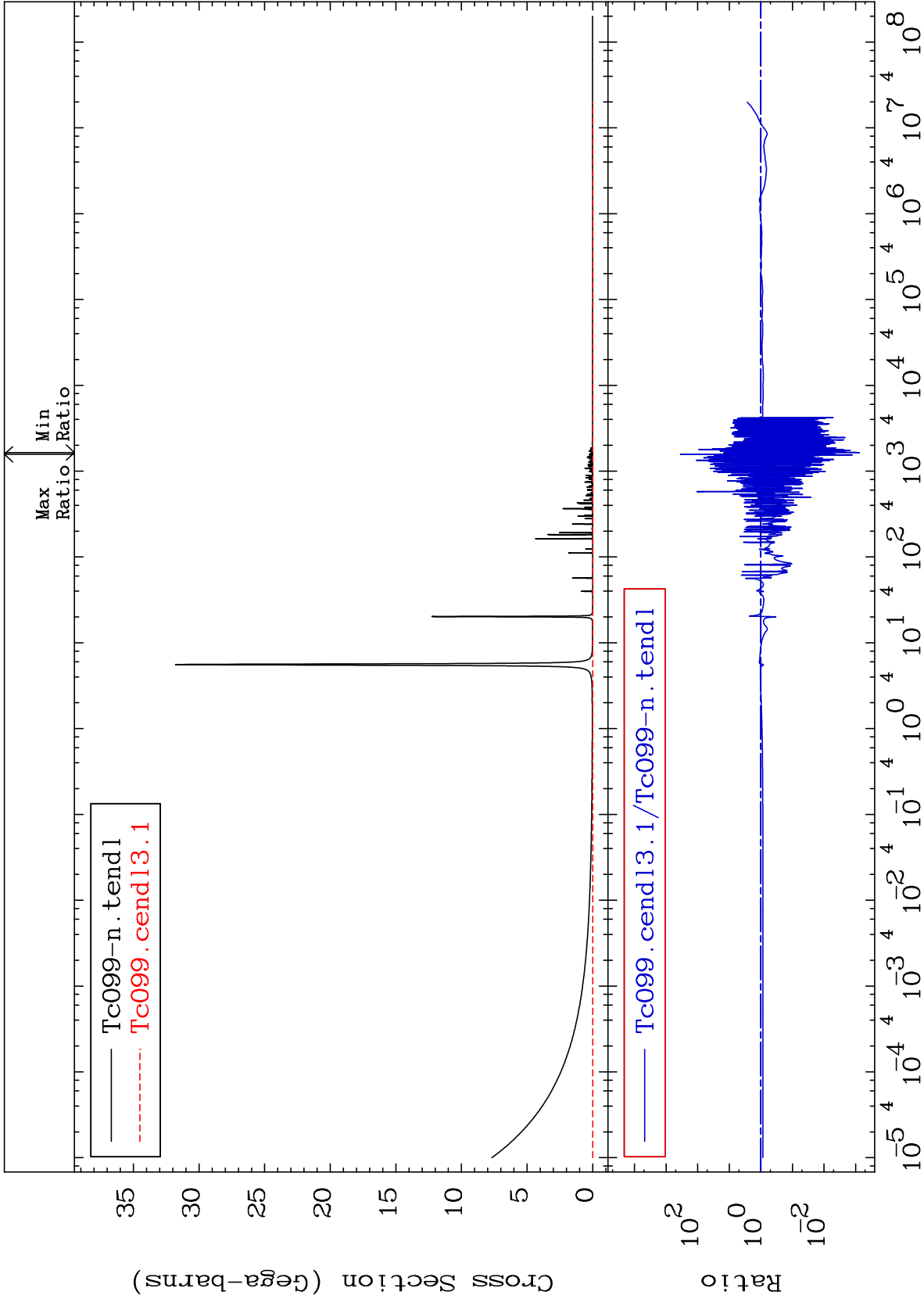
43-Tc-99  
-99.92 To 9999. %



MAT 4325

Total photon (eV-barns)  
Cross Section

43-Tc-99  
-99.92 To 9999. %



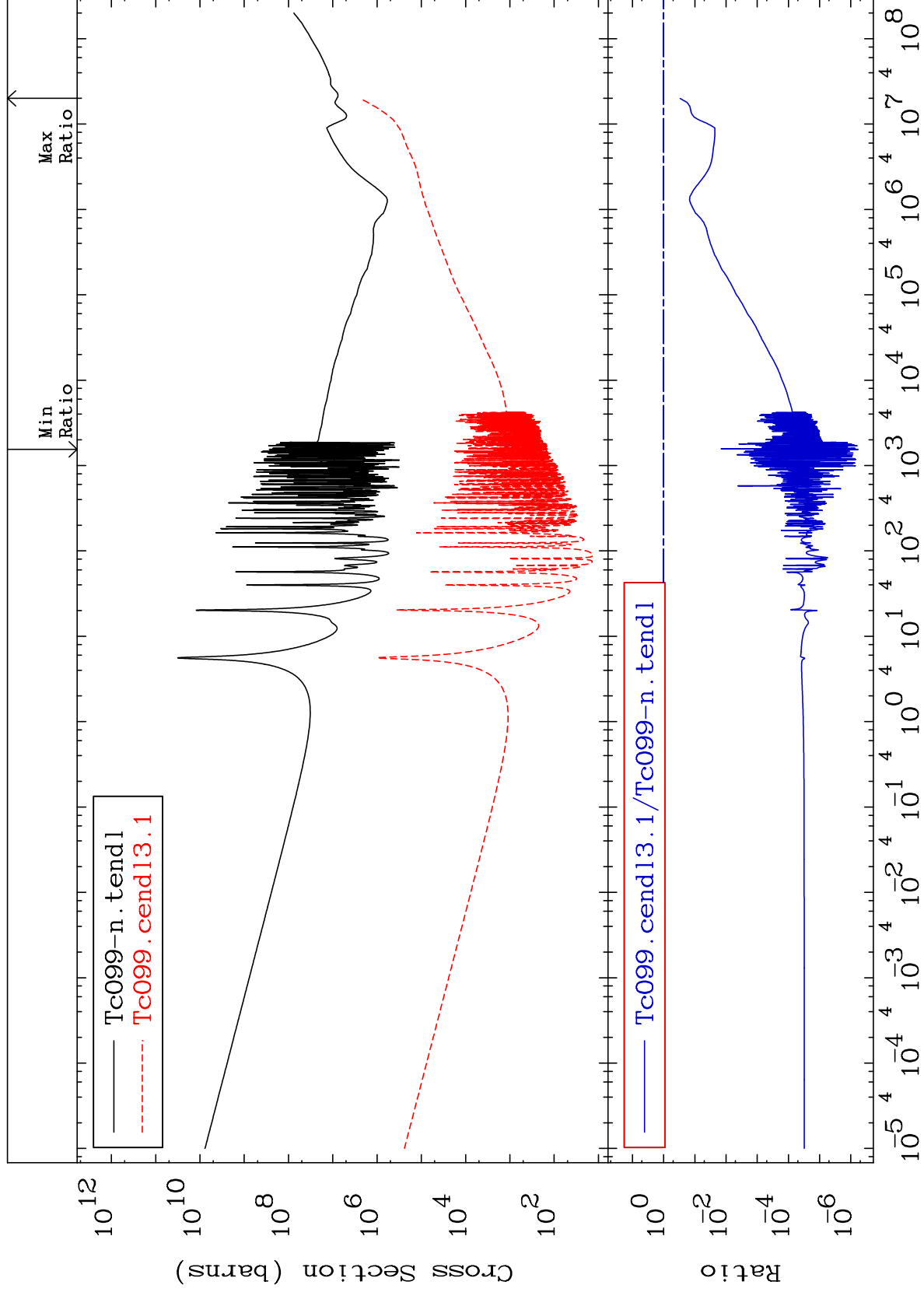
MAT 4325

Total kinematic kerma (high limit)

43-Tc-99

Cross Section

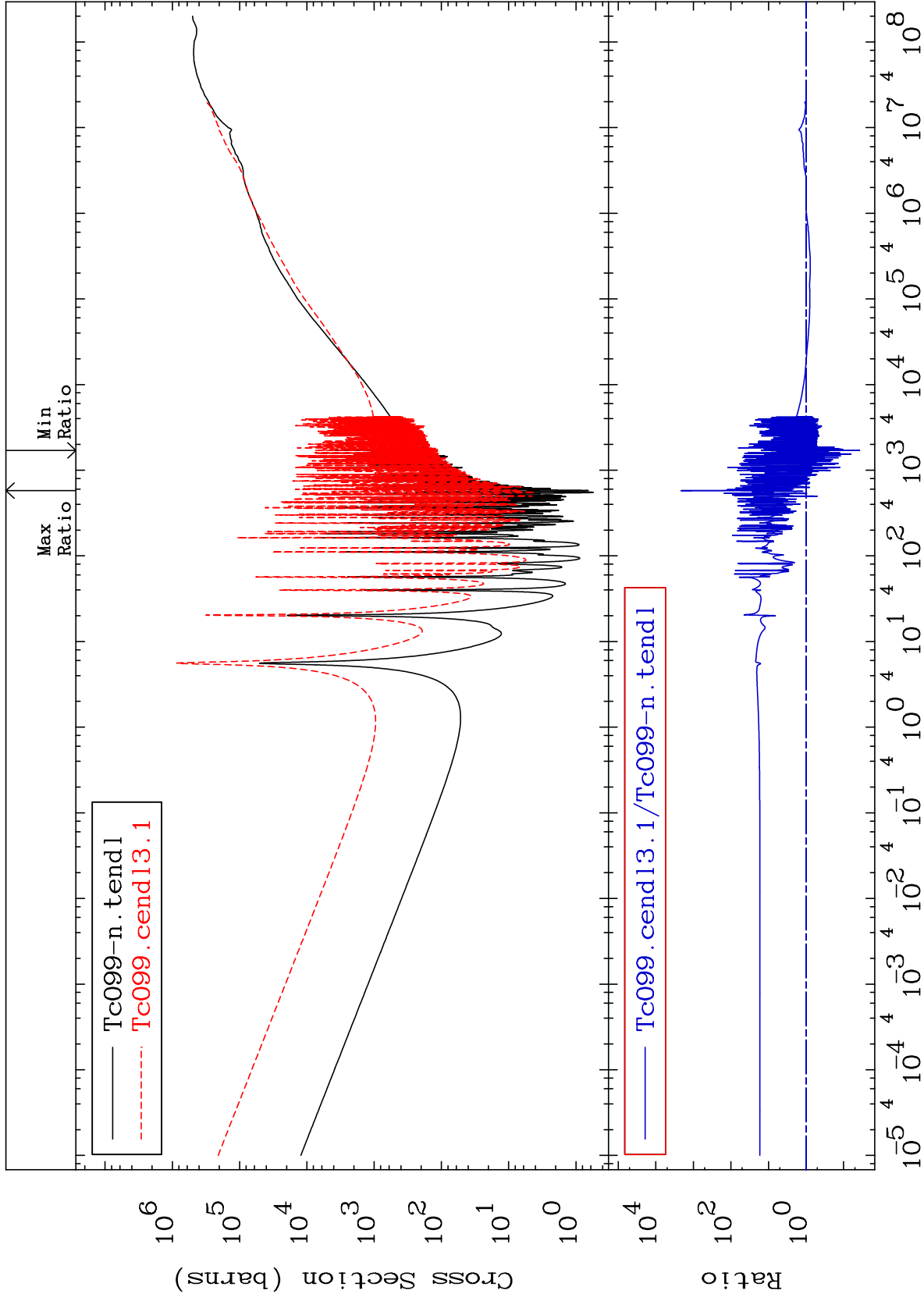
-100.0 To -70.07%



35

Incident Energy (eV)

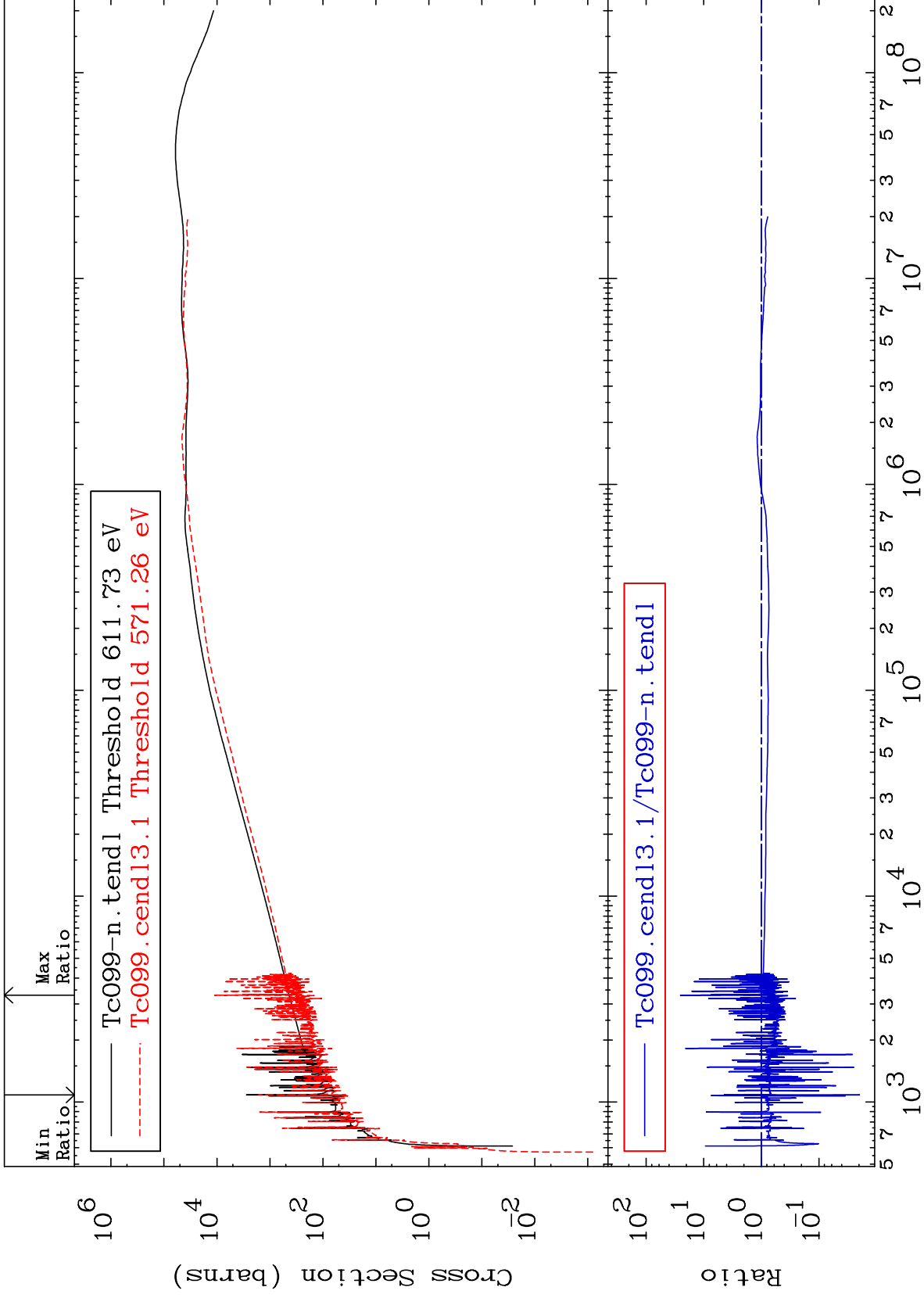
43-Tc-99



MAT 4325

Dpa elastic (mt2)  
Cross Section

43-Tc-99  
-98.03 To 2449. %



37

Incident Energy (eV)

43-Tc-99

MAT 4325

Dpa inelastic (mt51-91)  
Cross Section

43-Tc-99  
-23.34 To 411.9 %

