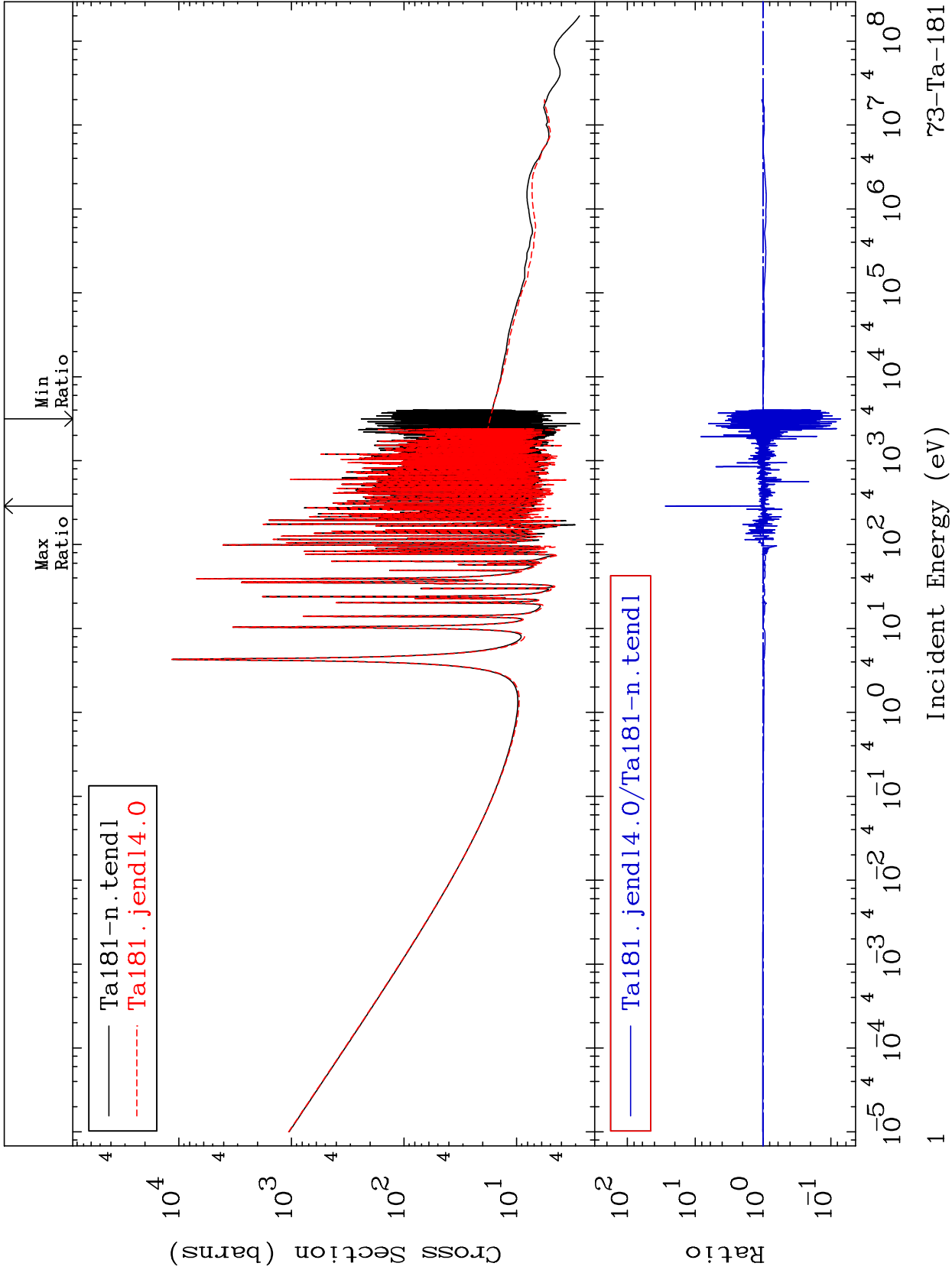


MAT 7328

Total Cross Section  
73-Ta-181  
-92.83 To 2643. %

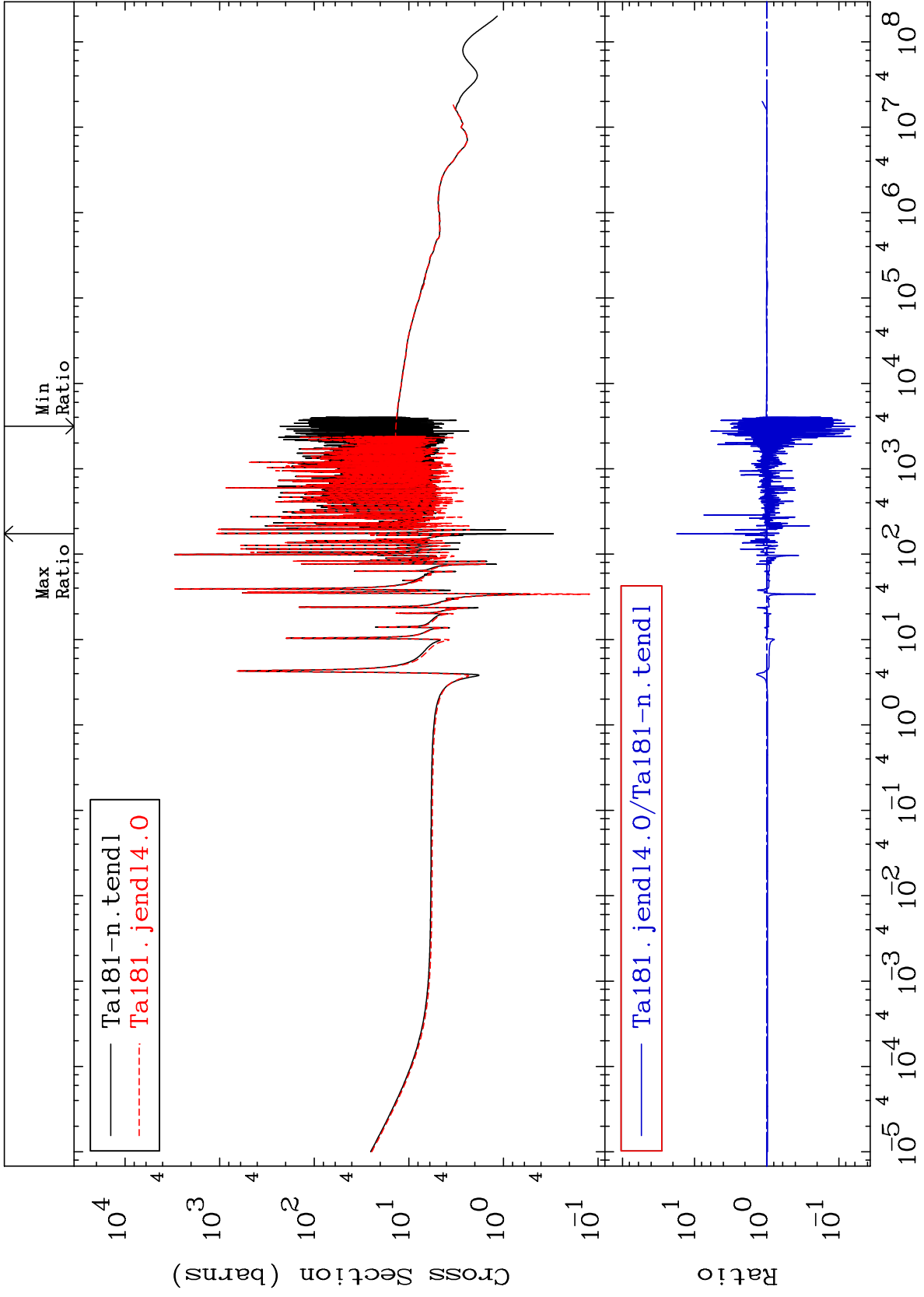


73-Ta-181

Incident Energy (eV)

MAT 7328

Elastic Cross Section  
73-Ta-181  
-94.04 To 1658. %



2

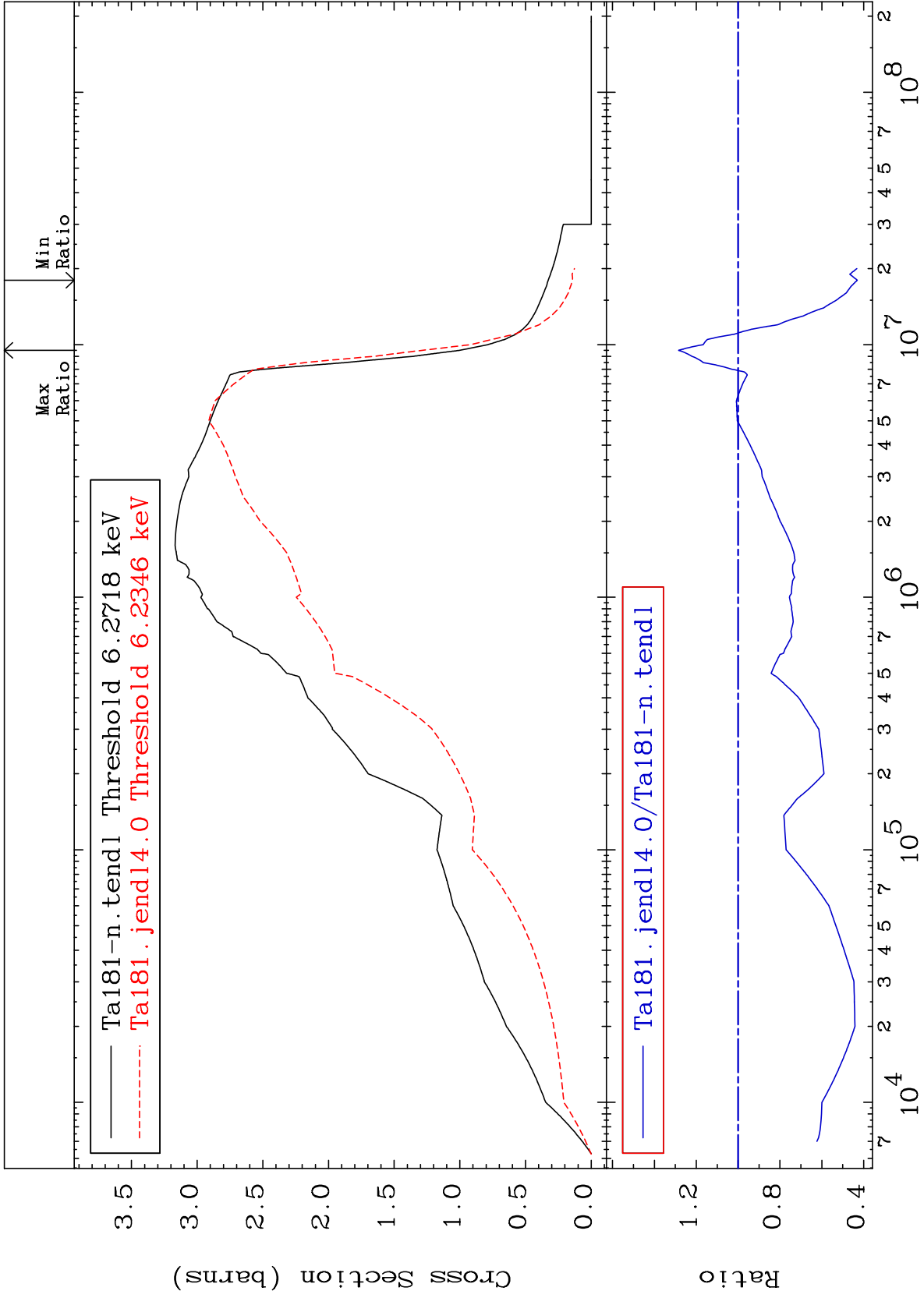
Incident Energy (eV)

73-Ta-181

MAT 7328

Inelastic  
Cross Section

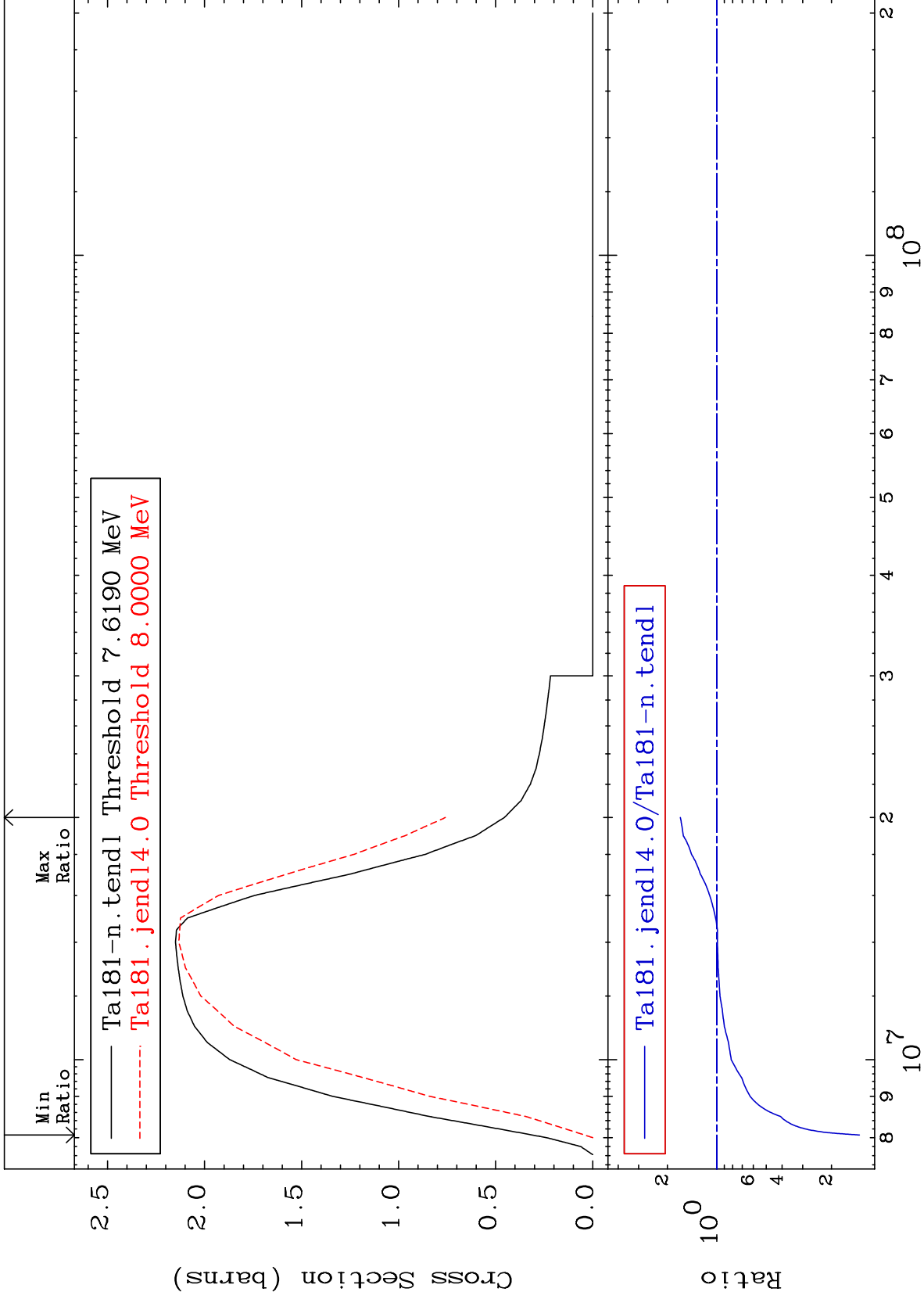
<sup>73</sup>Ta-<sup>181</sup>Ta  
-56.91 To 28.41 %



MAT 7328

(n,2n)  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-86.48 To 66.88 %



4

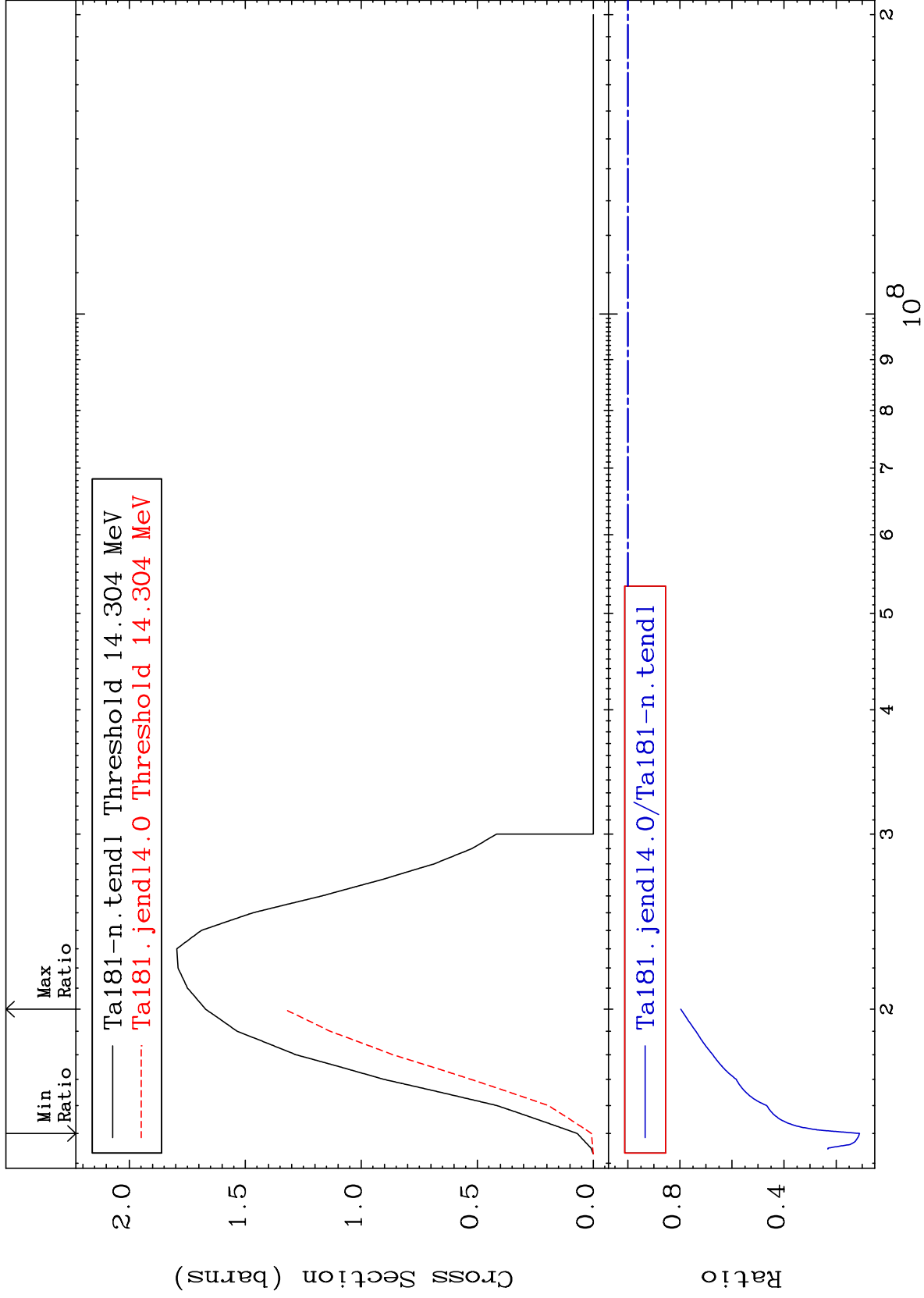
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>Ta

MAT 7328

(n,3n)  
Cross Section

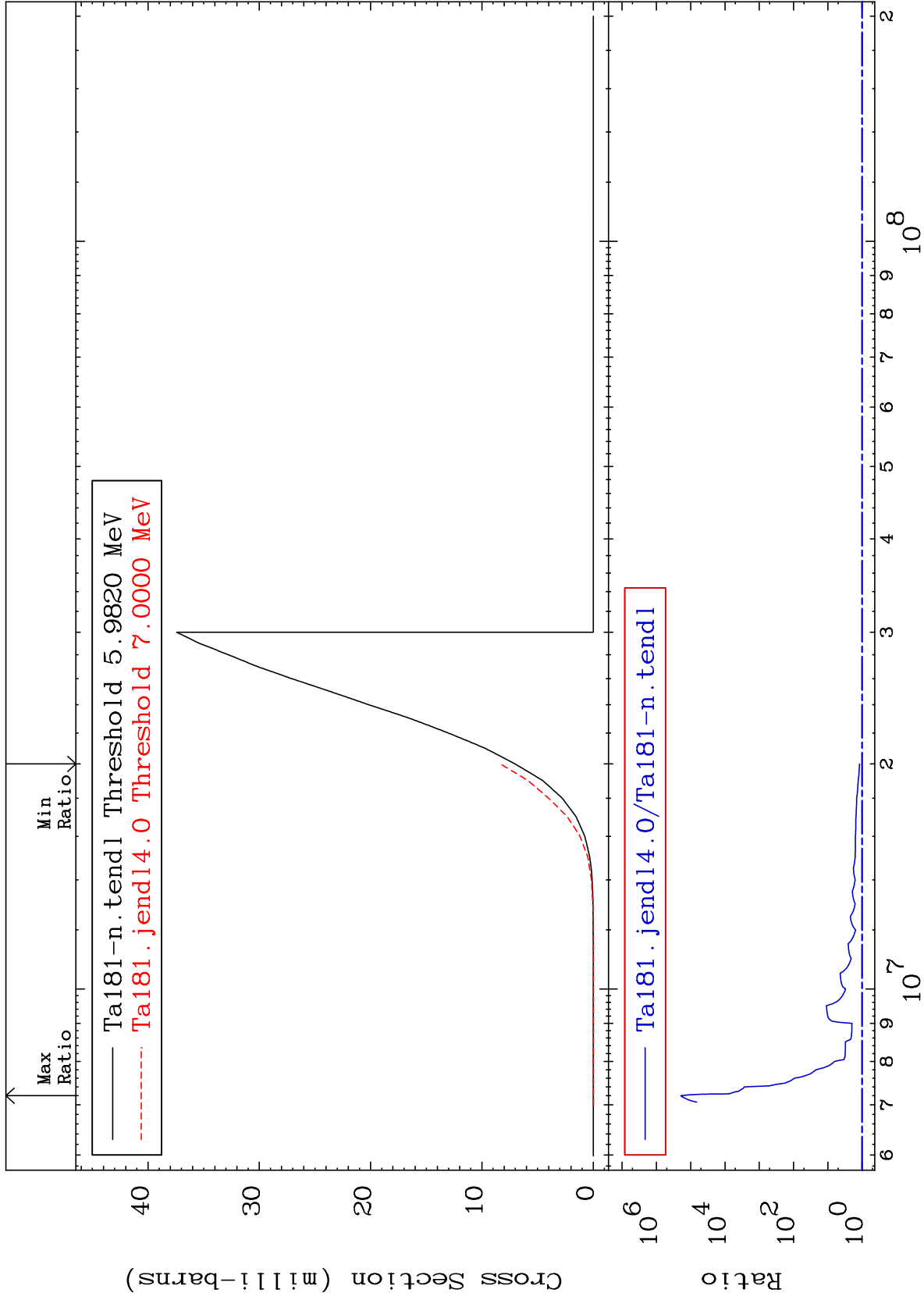
<sup>73</sup>Ta-181  
-89.00 To -20.32%



MAT 7328

(n, n') p  
Cross Section

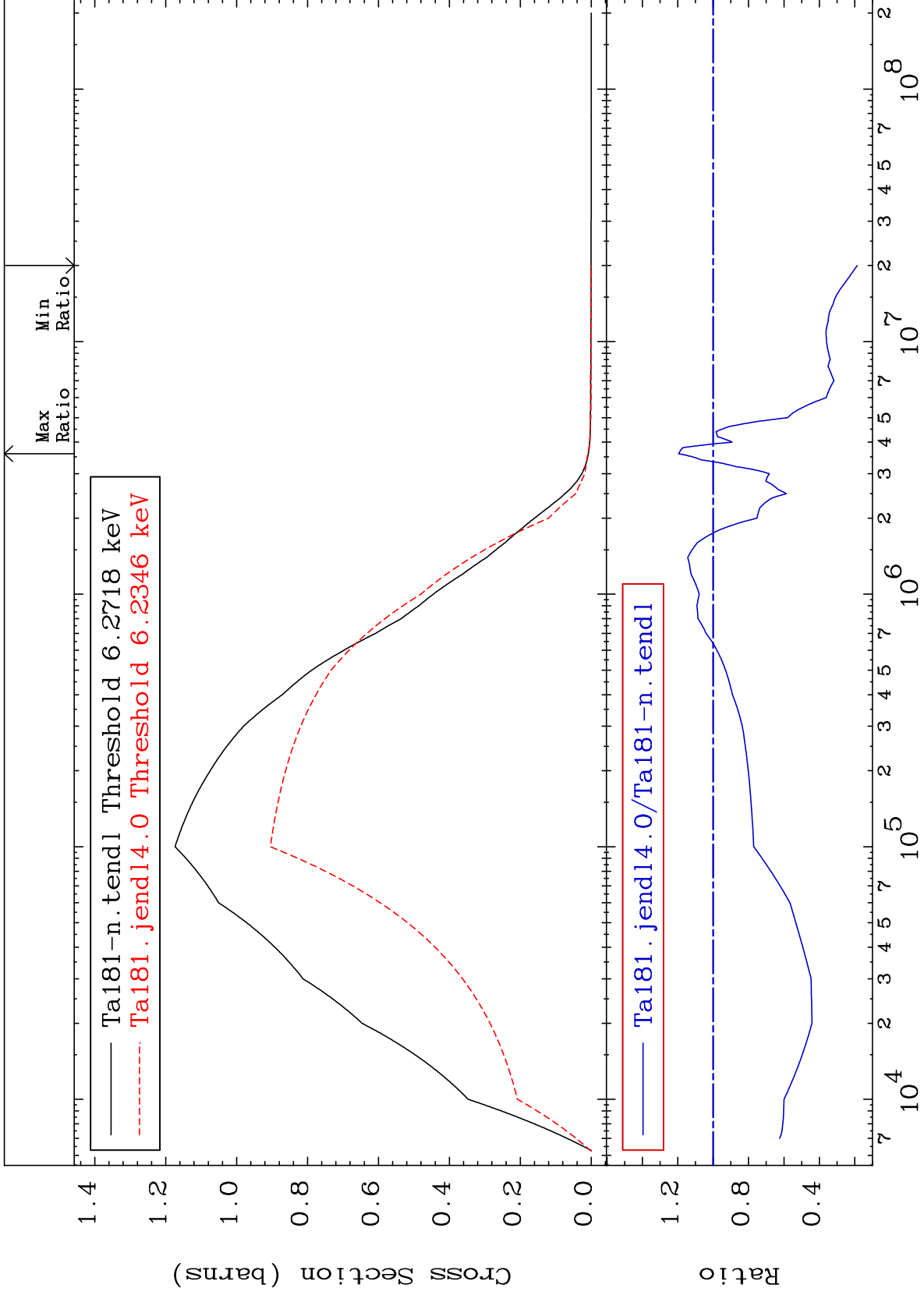
<sup>73</sup>Ta-181  
18.78 To 9999. %



MAT 7328

6.237 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-81.43 To 19.50 %



7

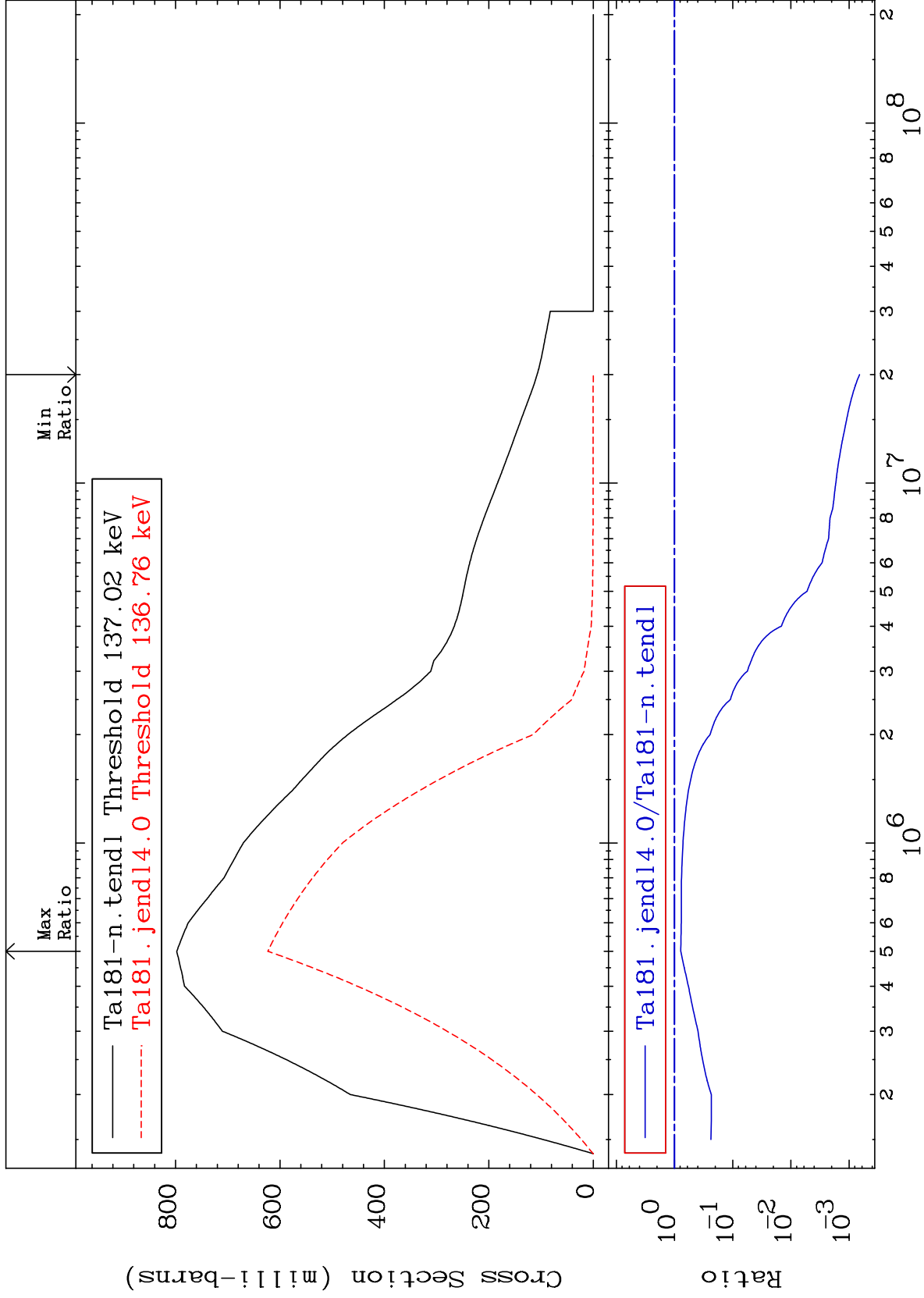
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

136.3 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-99.93 To -21.86%

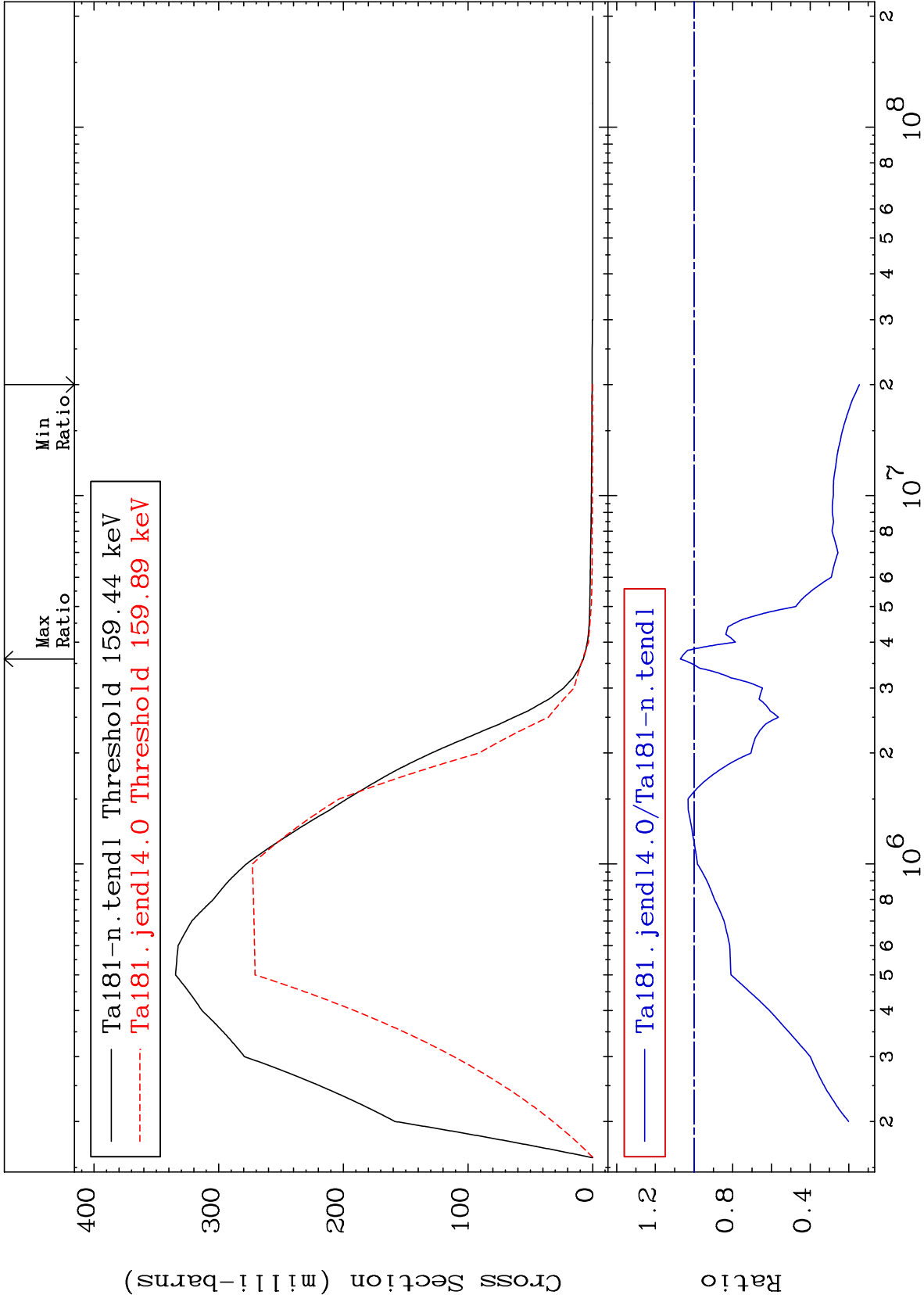




MAT 7328

158.6 keV (n,n') Level  
Cross Section

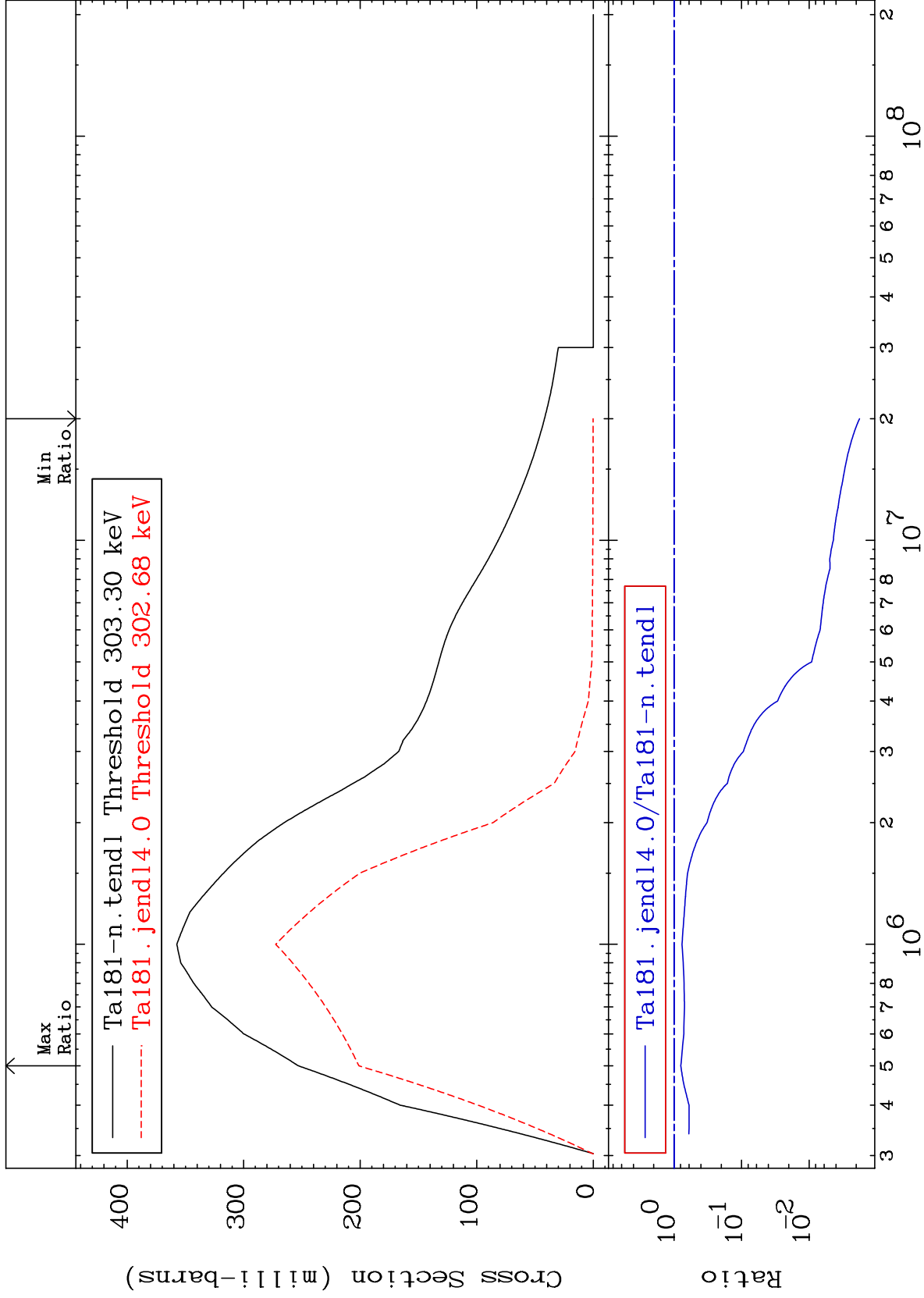
<sup>73</sup>Ta-<sup>181</sup>  
-85.48 To 7.062 %



MAT 7328

301.6 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-99.82 To -20.47%



10

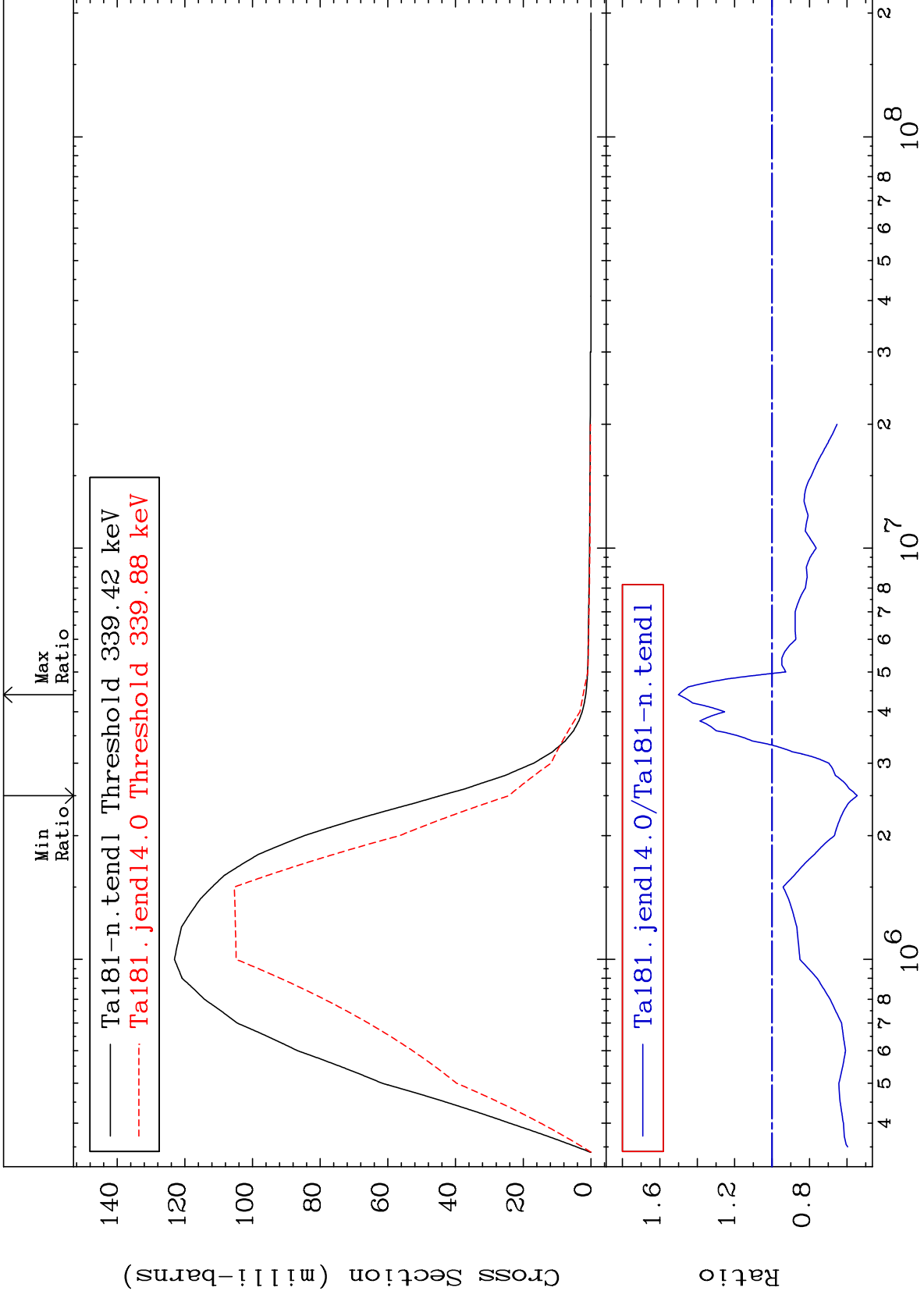
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

337.5 keV (n,n') Level  
Cross Section

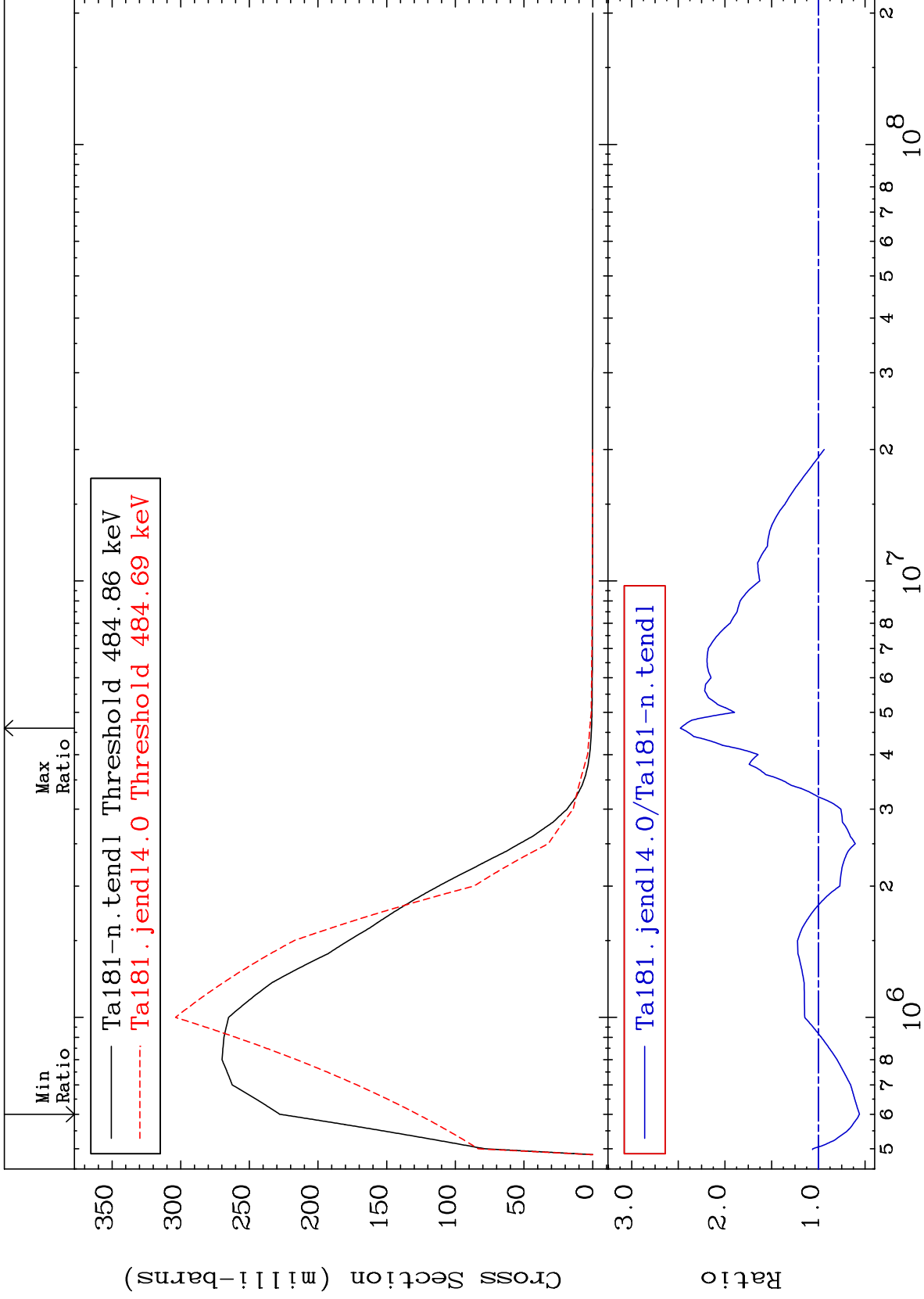
<sup>73</sup>Ta-<sup>181</sup>  
-45.45 To 50.05 %



MAT 7328

482.2 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-44.08 To 147.8 %



12

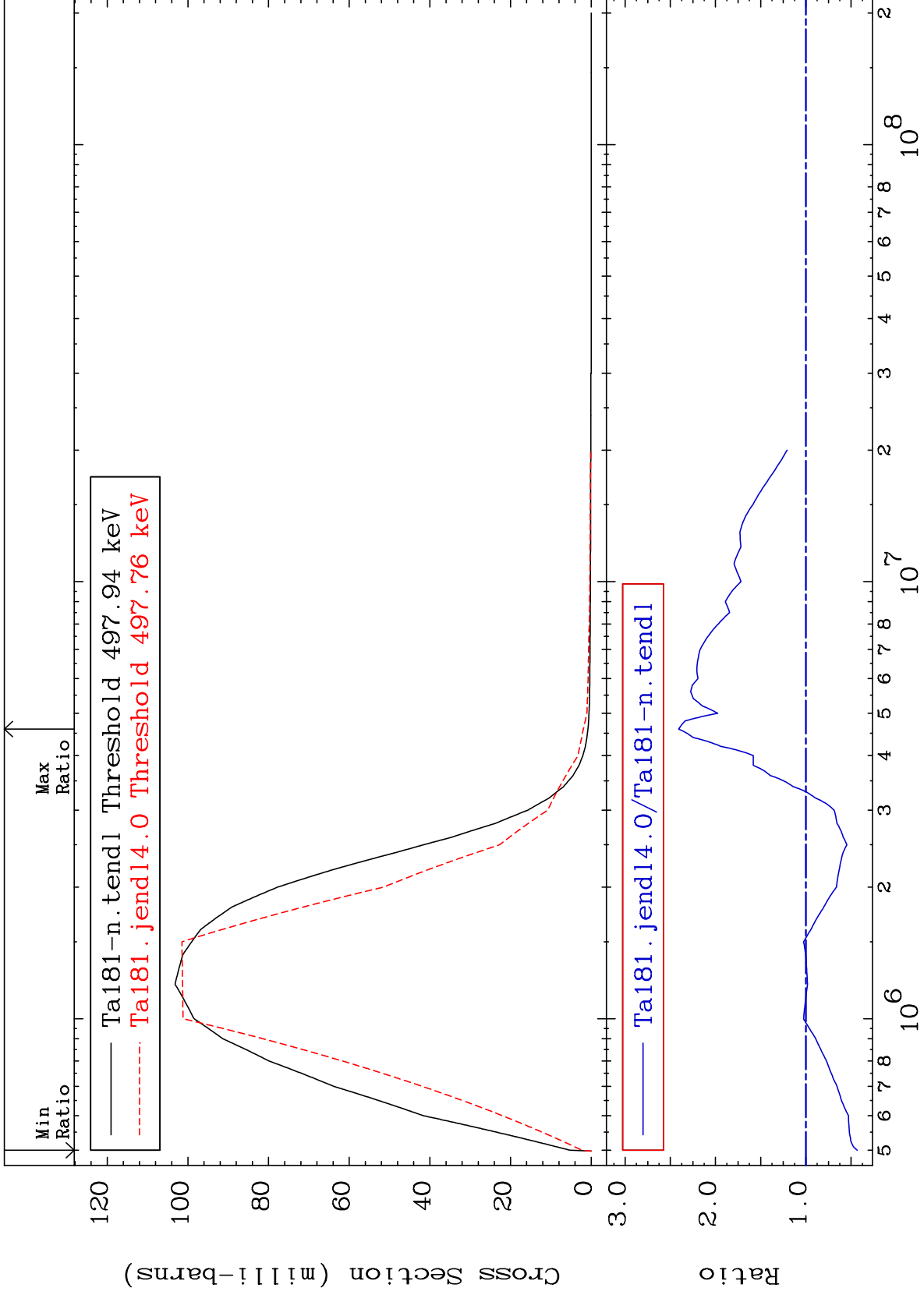
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

495.2 keV (n,n') Level  
Cross Section

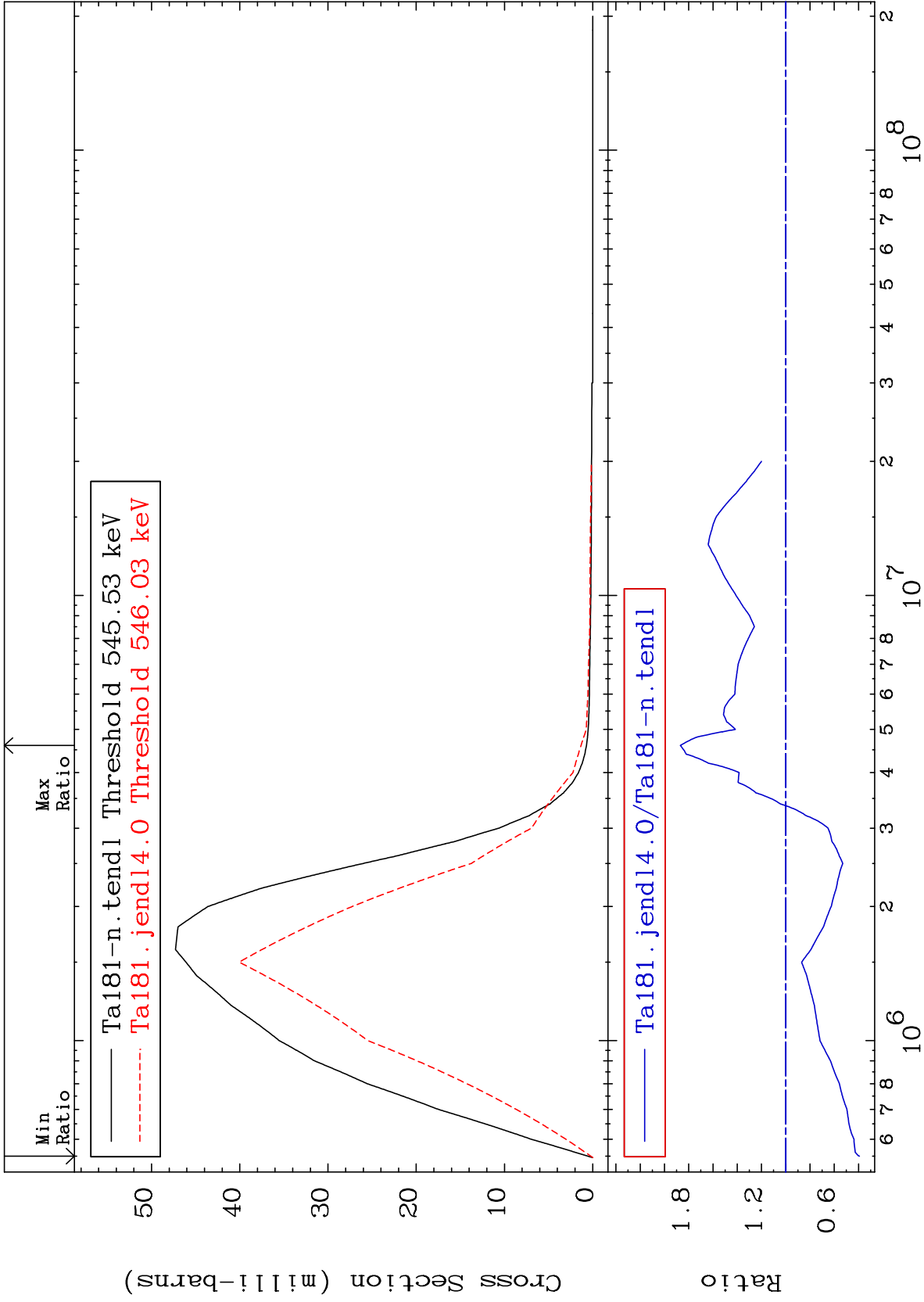
<sup>73</sup>Ta-<sup>181</sup>  
-56.82 To 140.8 %



MAT 7328

542.5 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-181  
-60.77 To 86.88 %



14

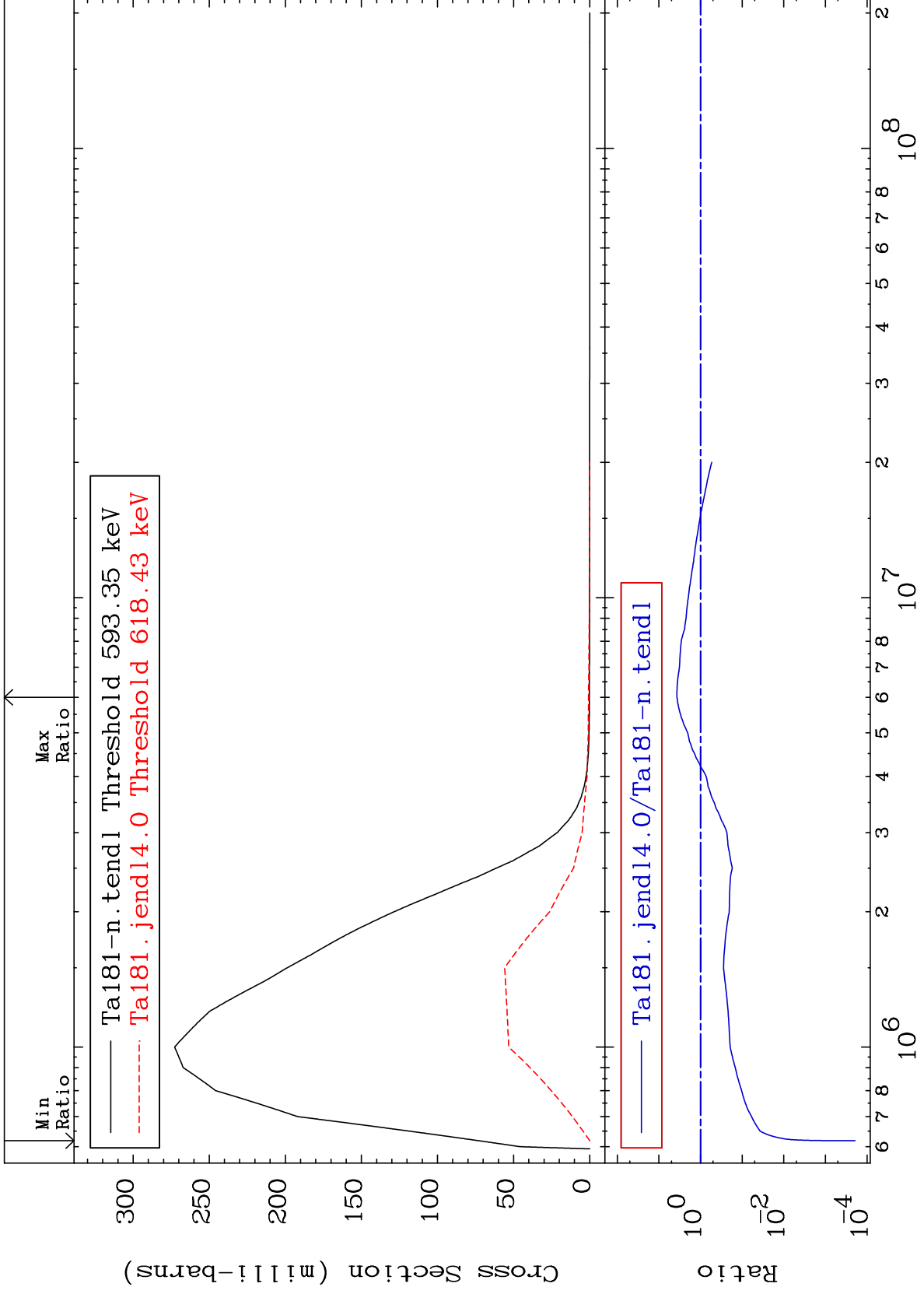
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

590.1 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-181  
-99.98 To 269.1 %



15

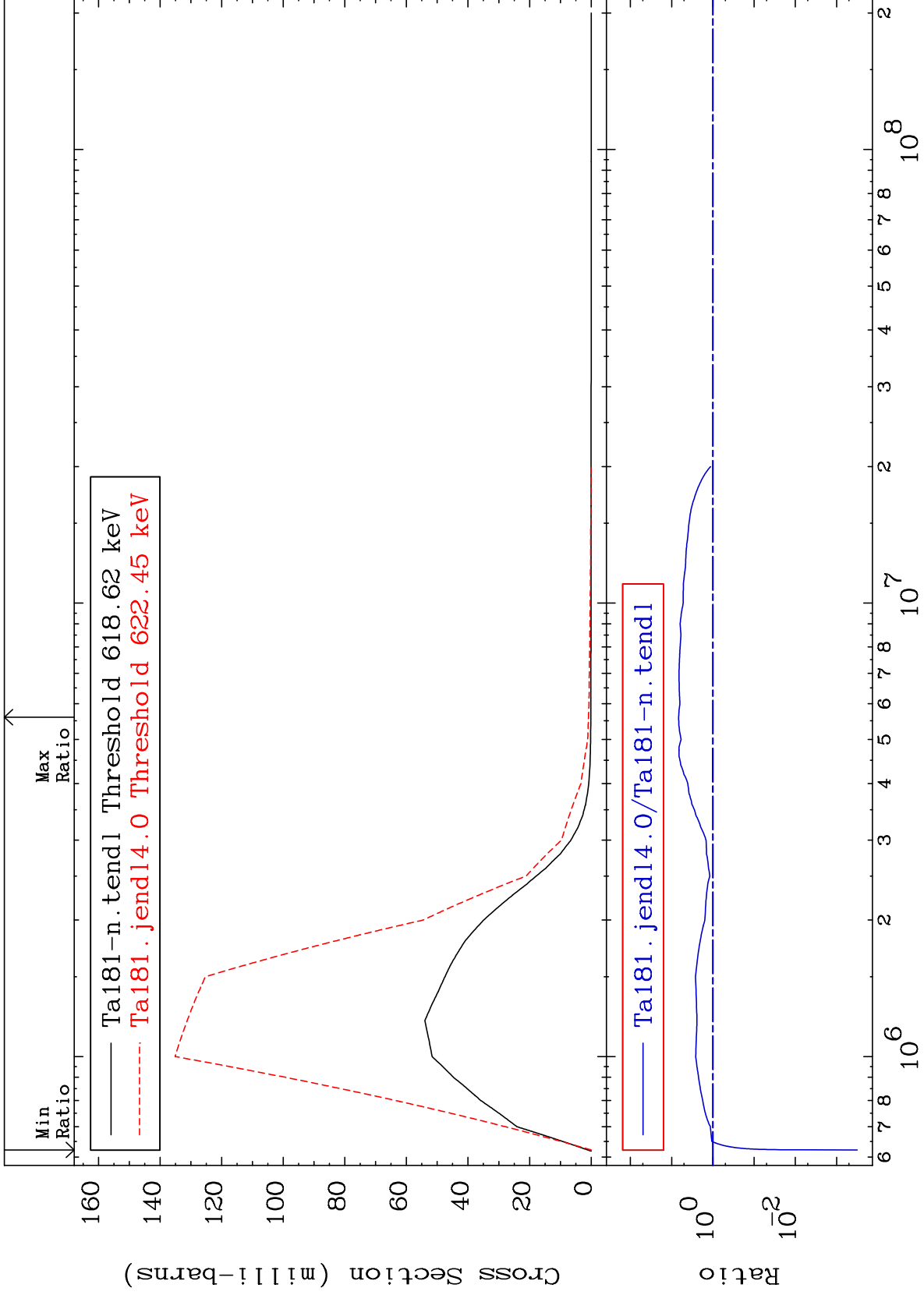
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

615.2 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-181  
-99.97 To 576.8 %



16

Incident Energy (eV)

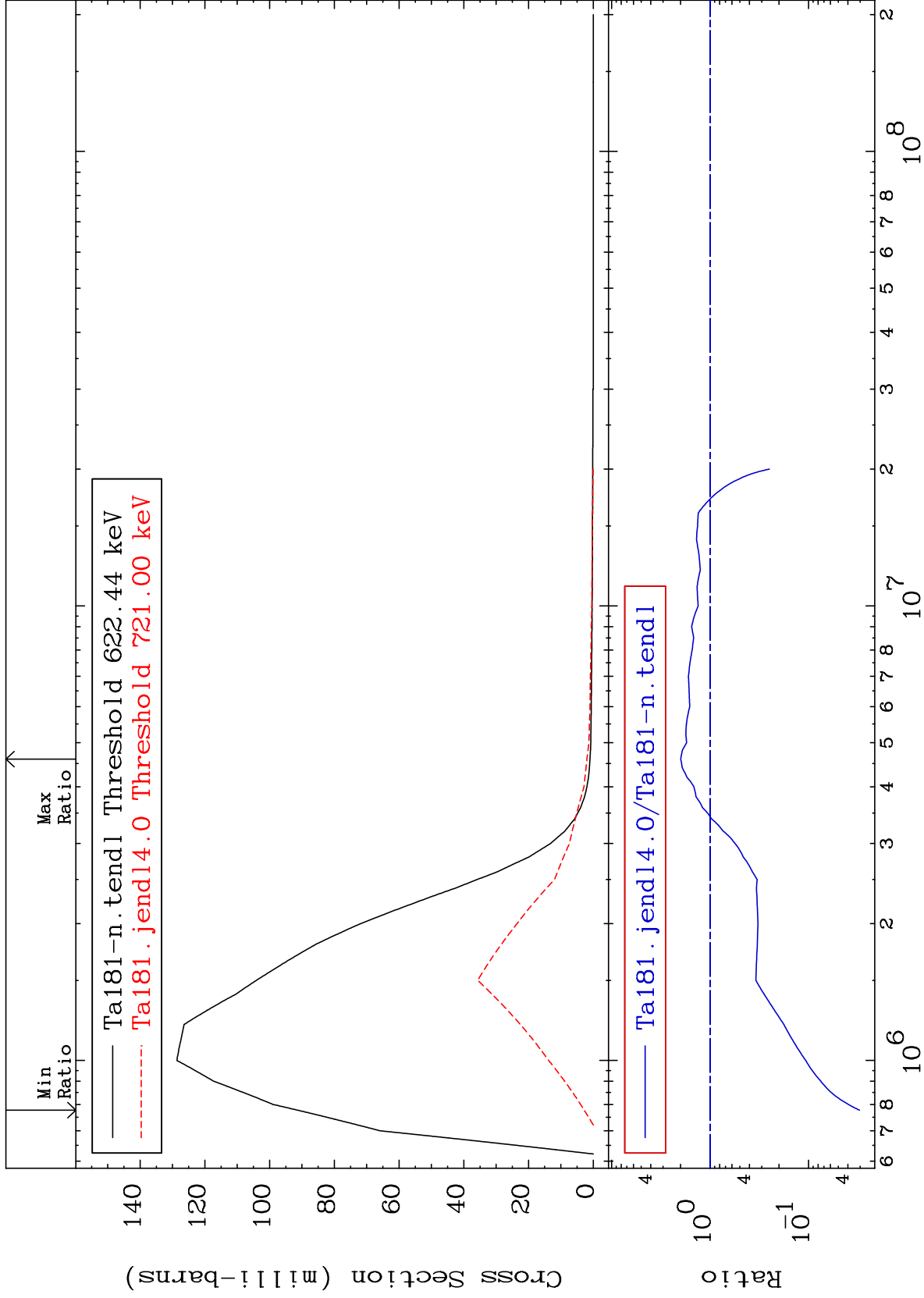
<sup>73</sup>Ta-181



MAT 7328

619.0 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-181  
-96.96 To 98.59 %



17

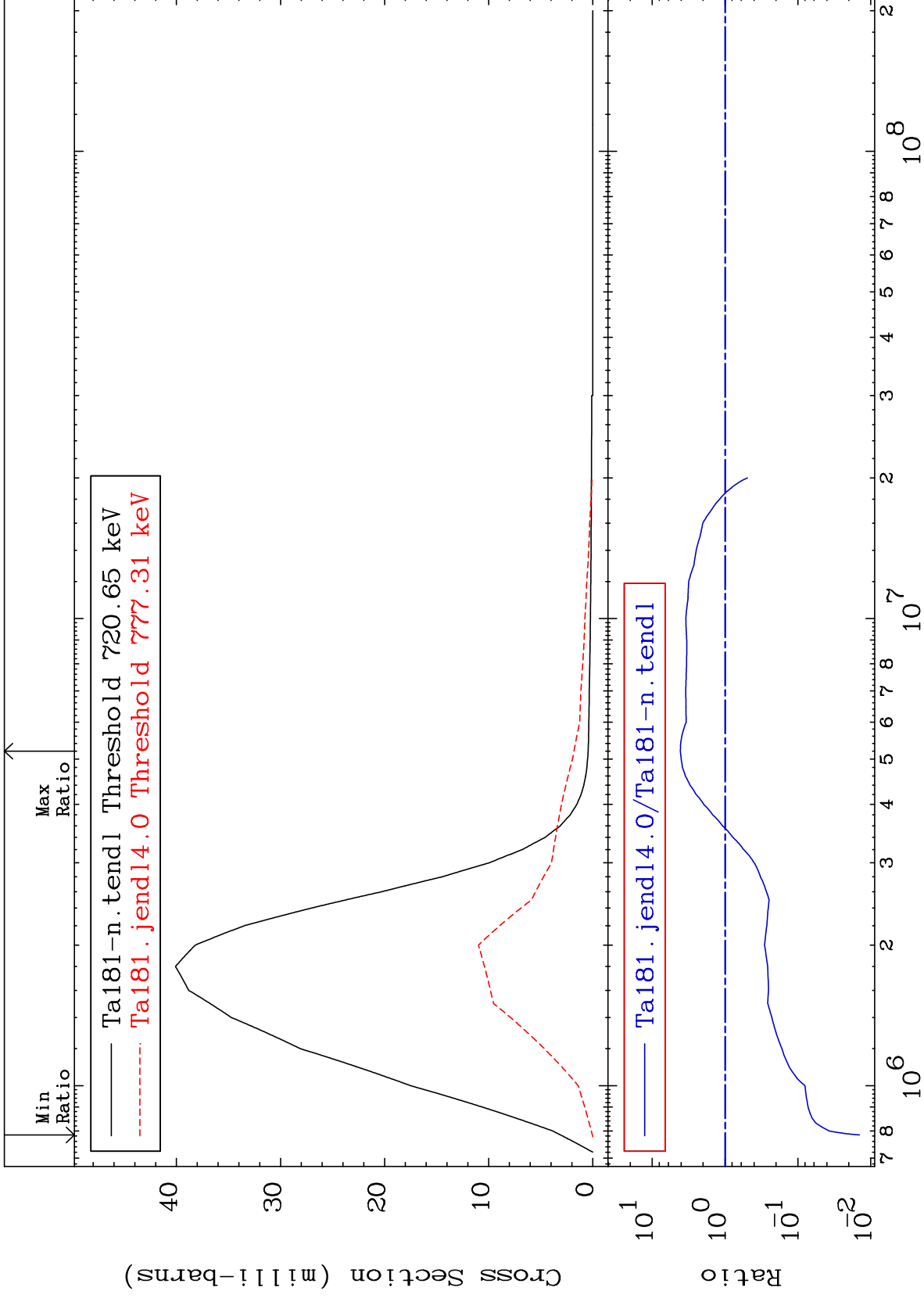
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

716.7 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-181  
-98.57 To 310.7 %



18

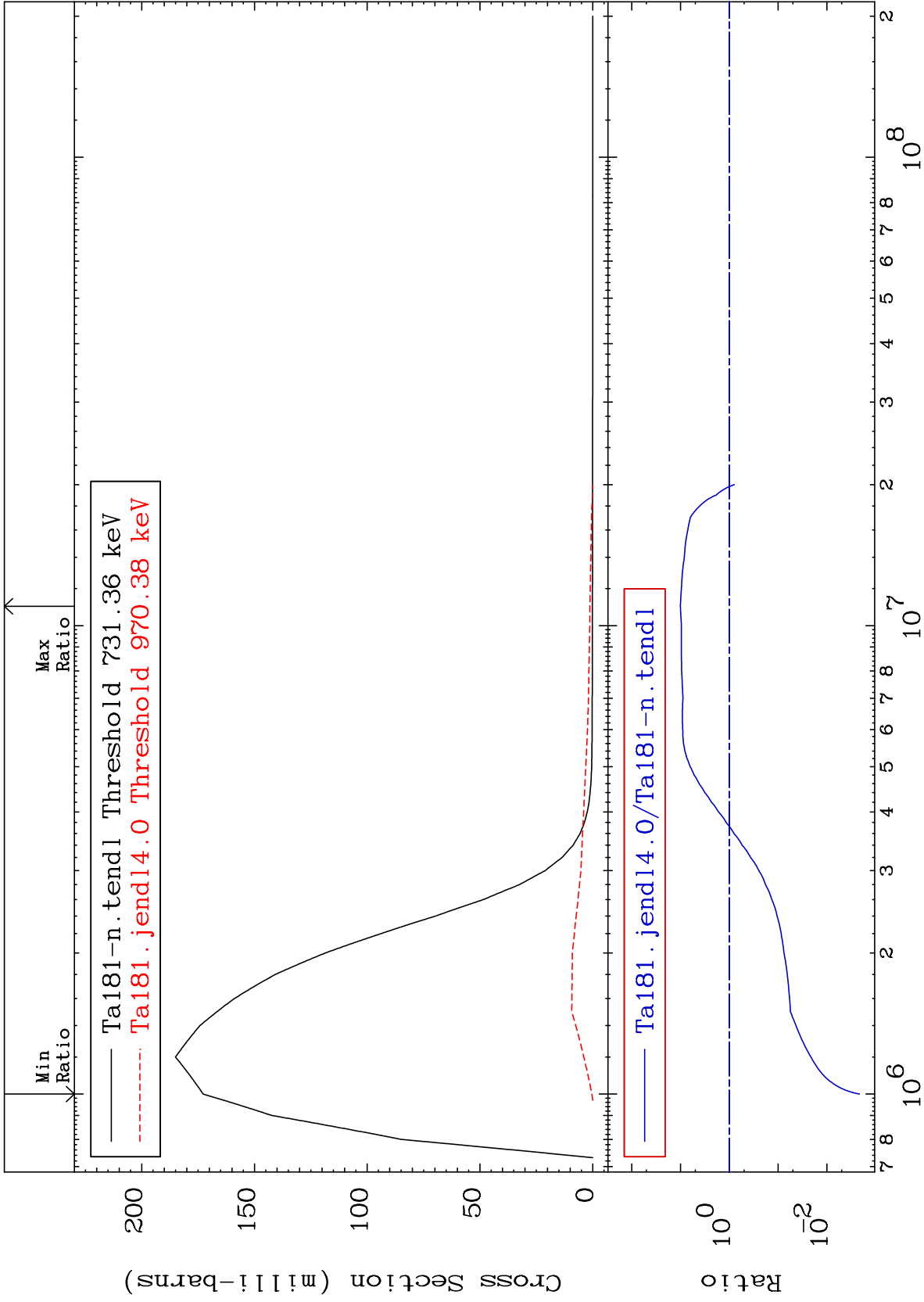
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

727.3 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-99.78 To 908.4 %



19

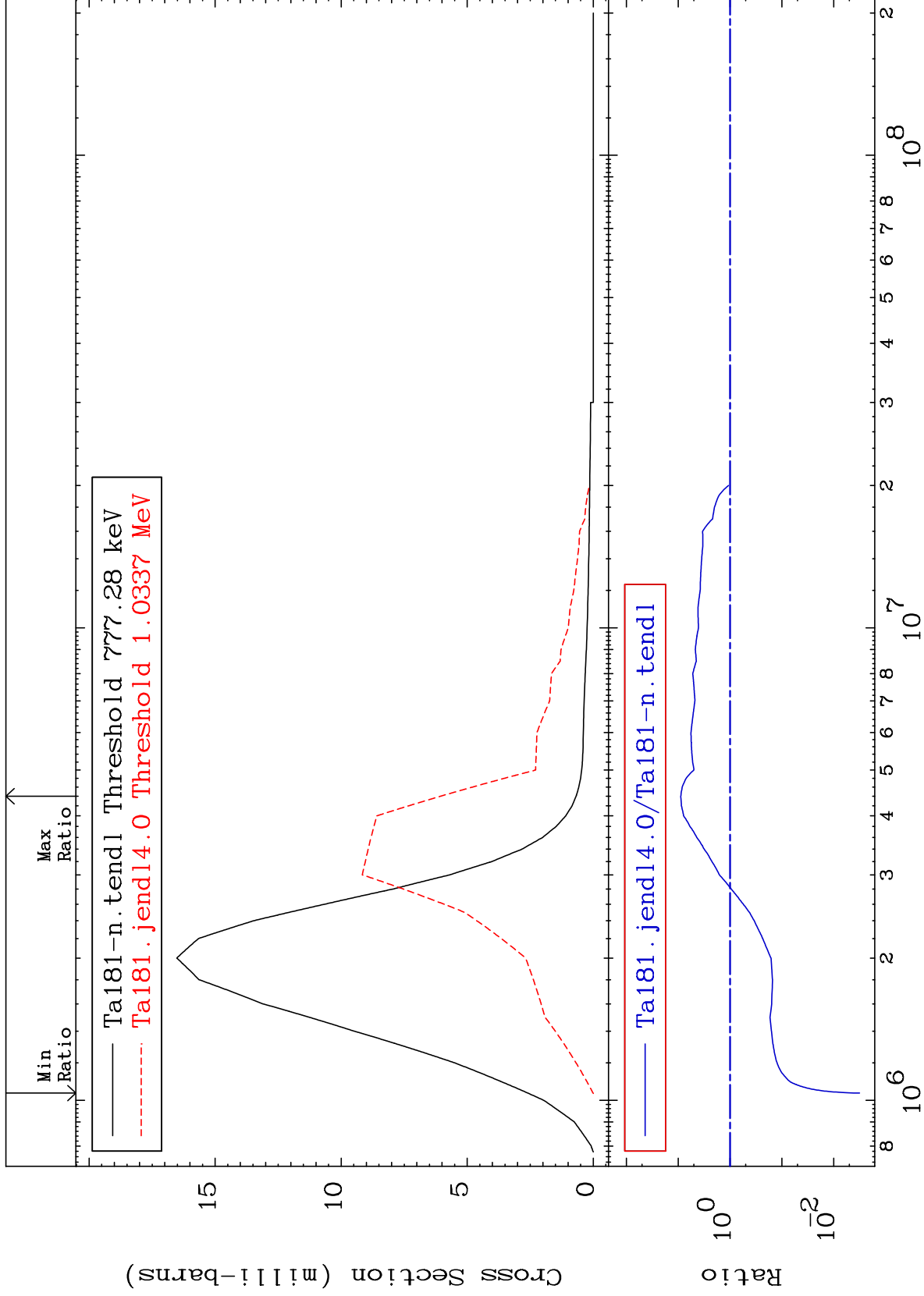
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

773.0 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-99.68 To 792.7 %



20

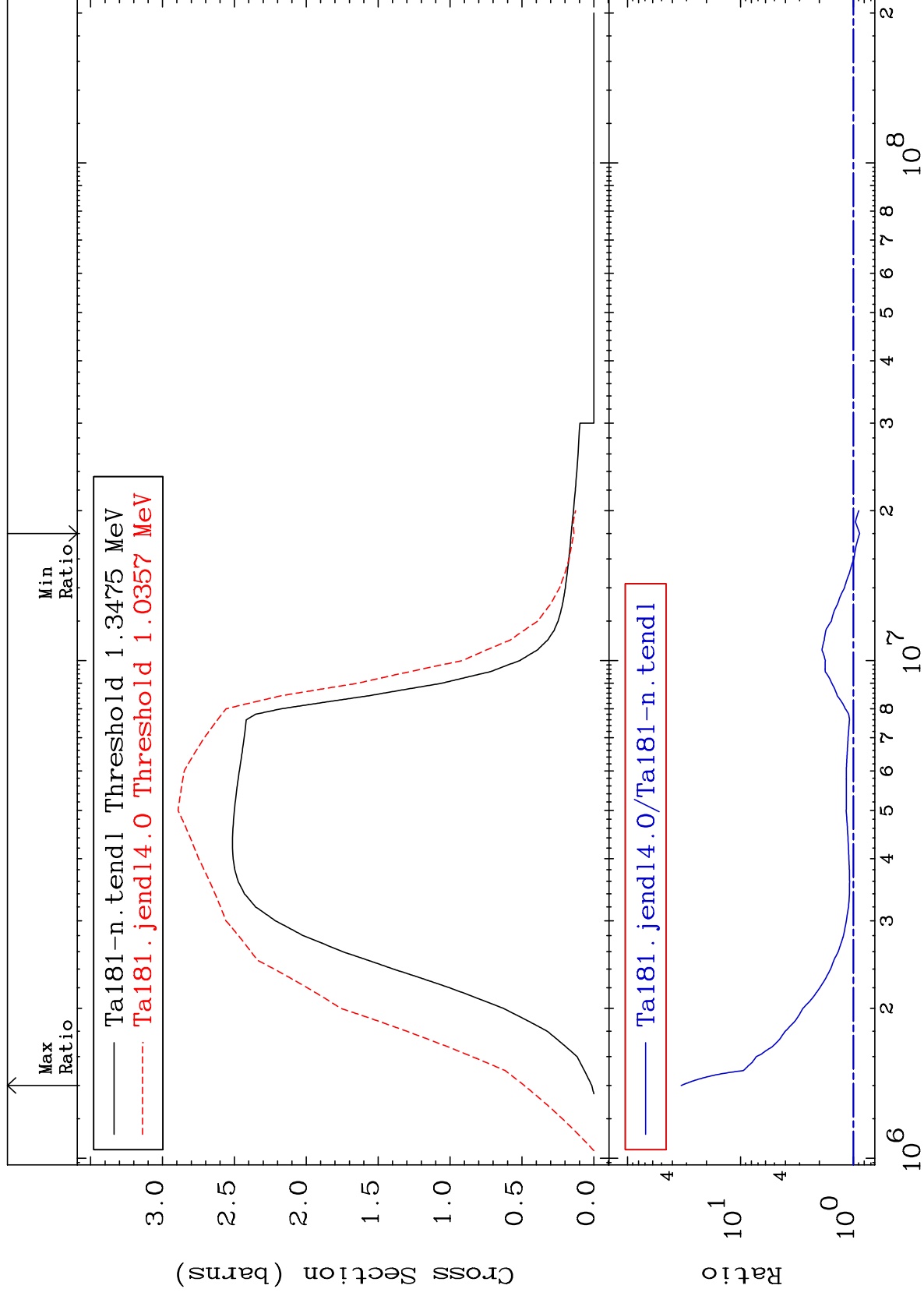
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>Ta

MAT 7328

(n, n') Continuum  
Cross Section

<sup>73</sup>Ta-181  
-12.01 To 3251. %



21

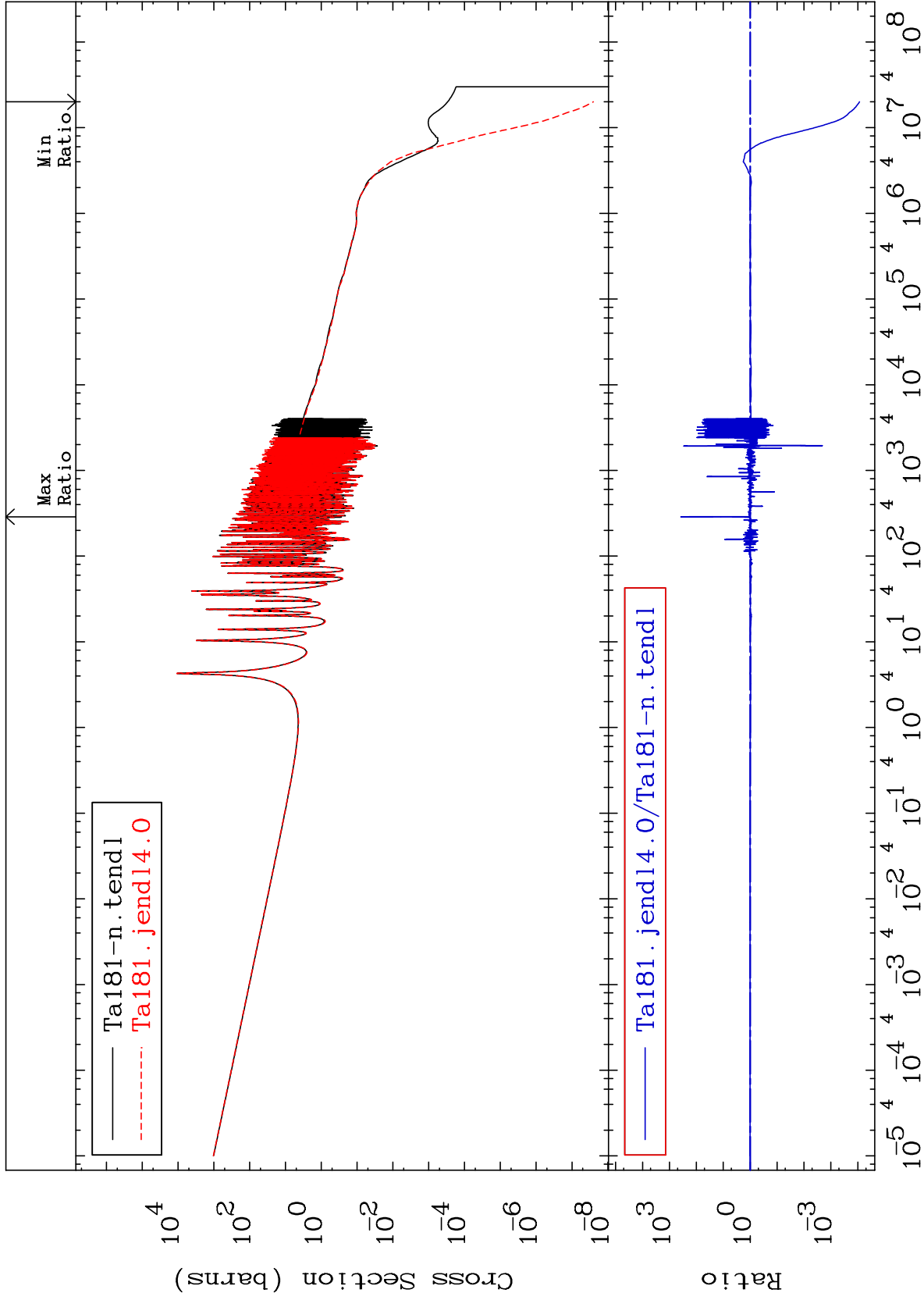
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

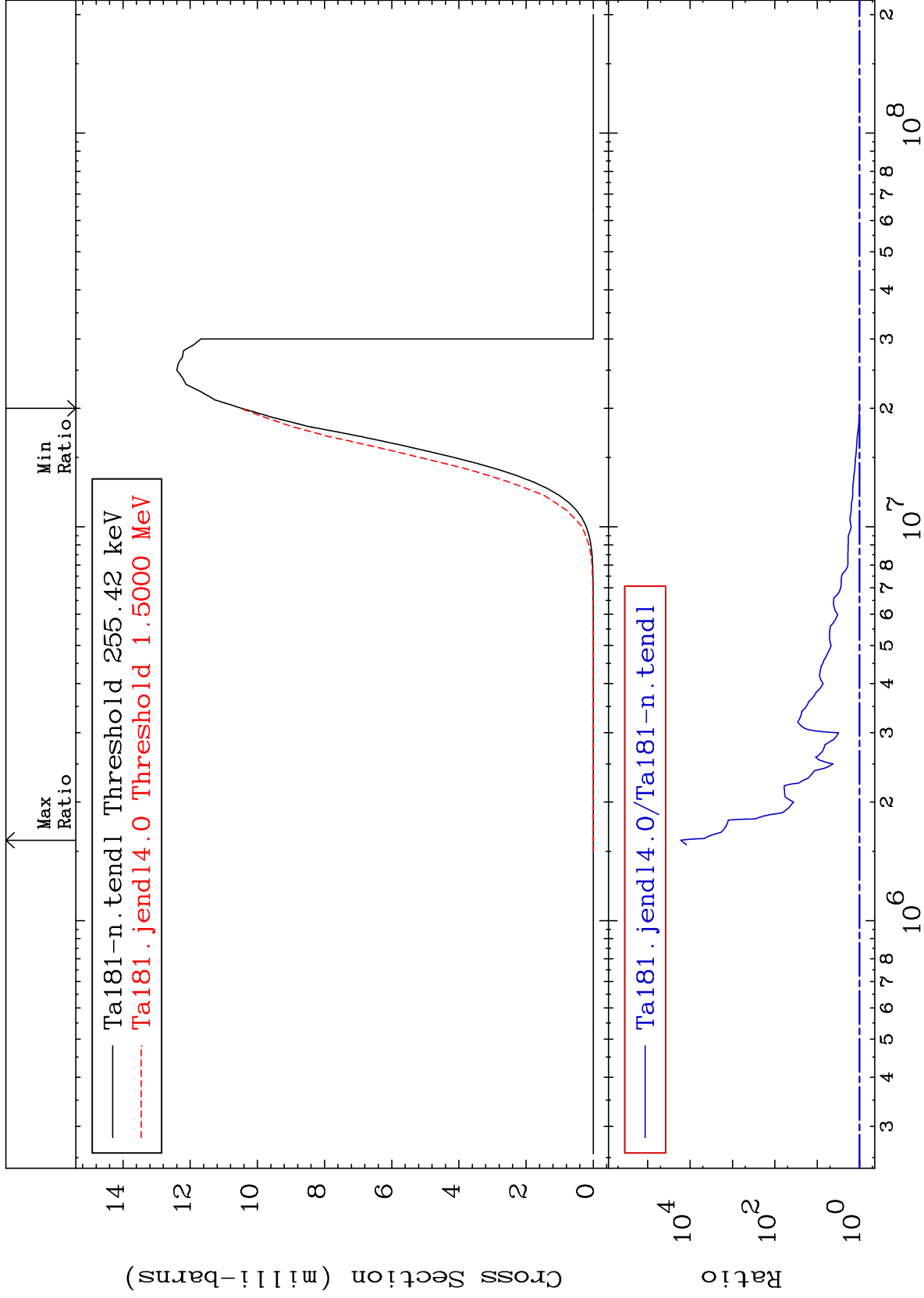
<sup>73</sup>Ta-181

(n,  $\gamma$ )  
Cross Section  
-99.99 To 9999. %



MAT 7328

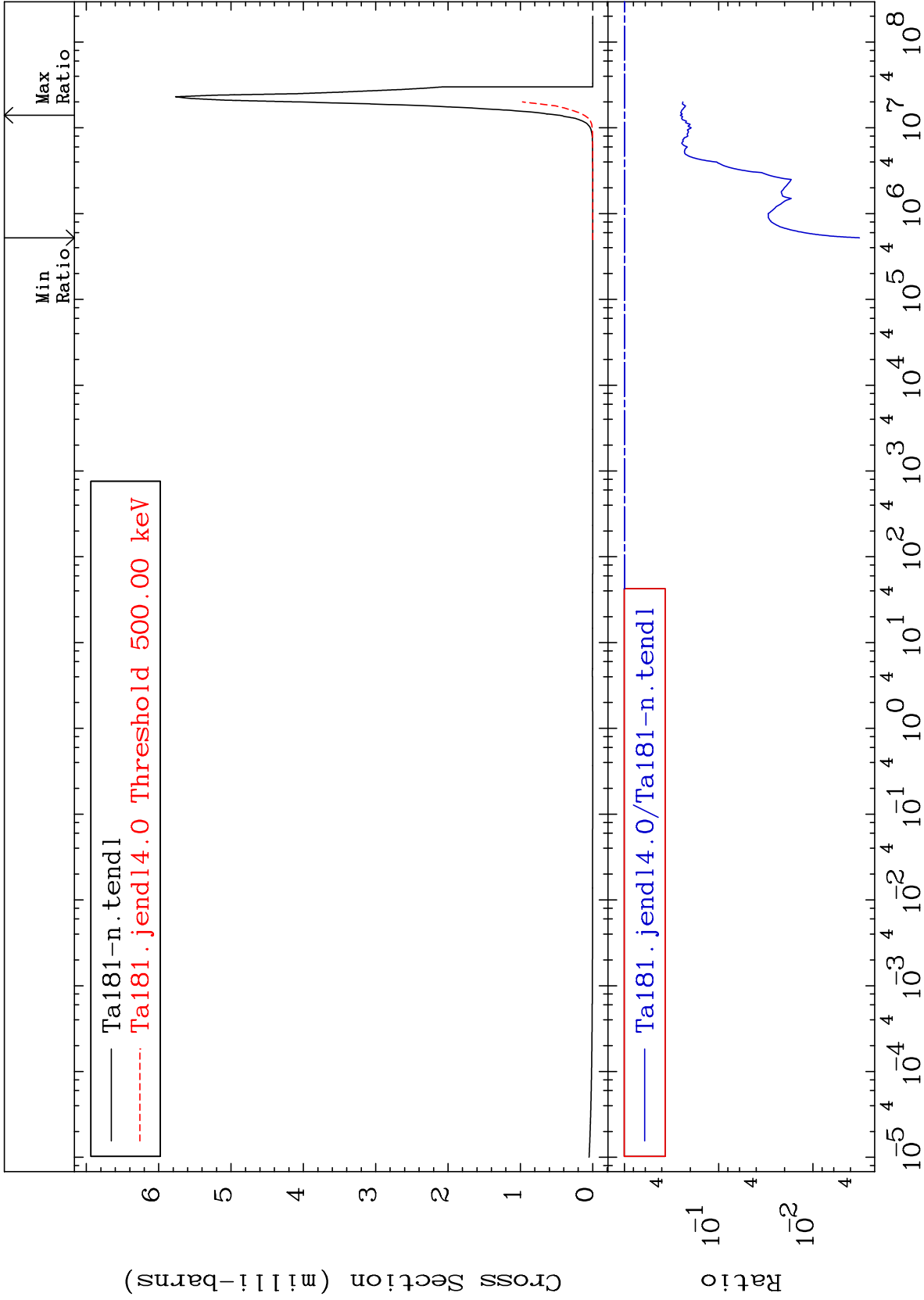
(n, p)  
Cross Section  
0.450 To 9999. %  
73-Ta-181



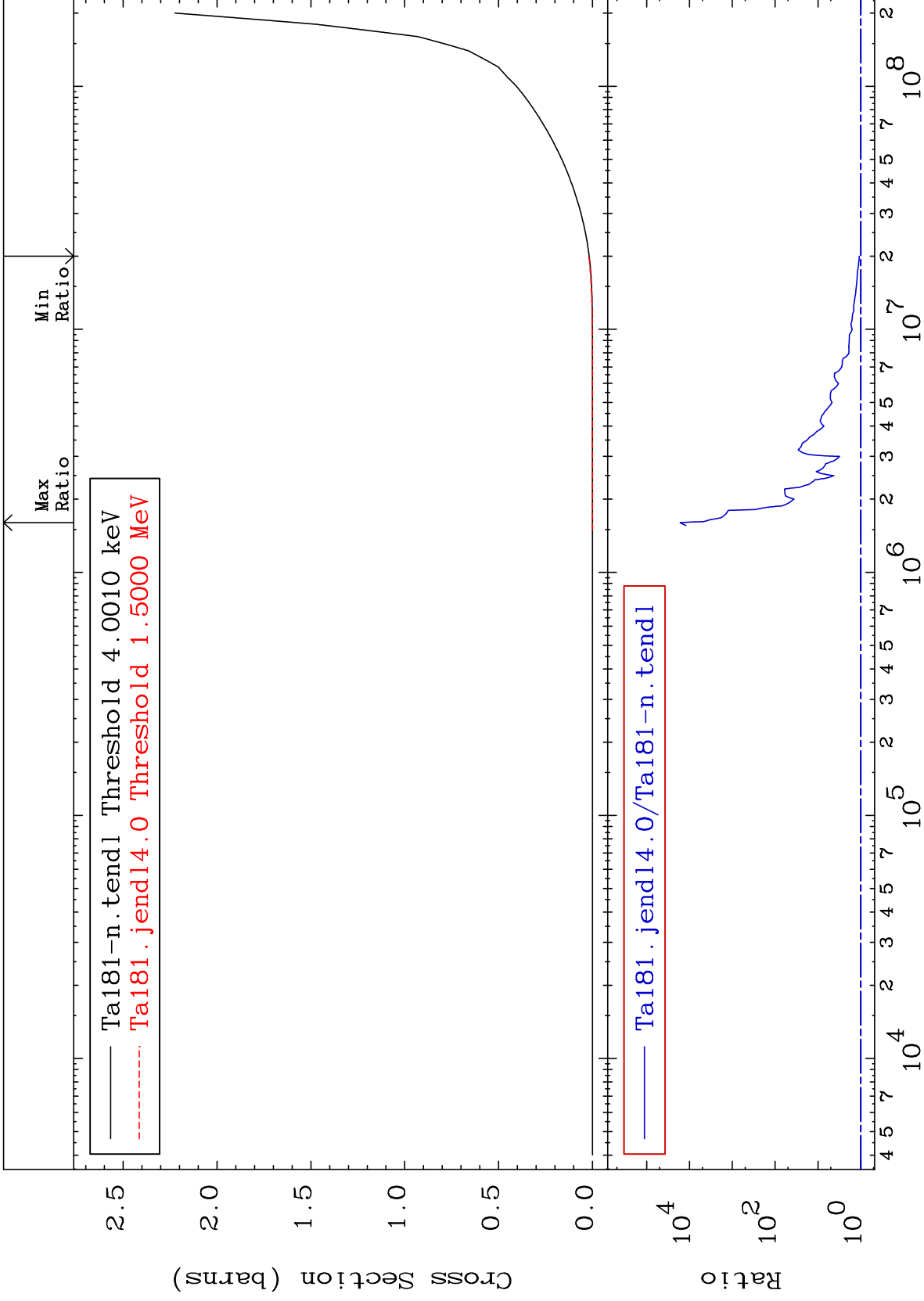
MAT 7328

(n,  $\alpha$ )  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-99.68 To -74.54%



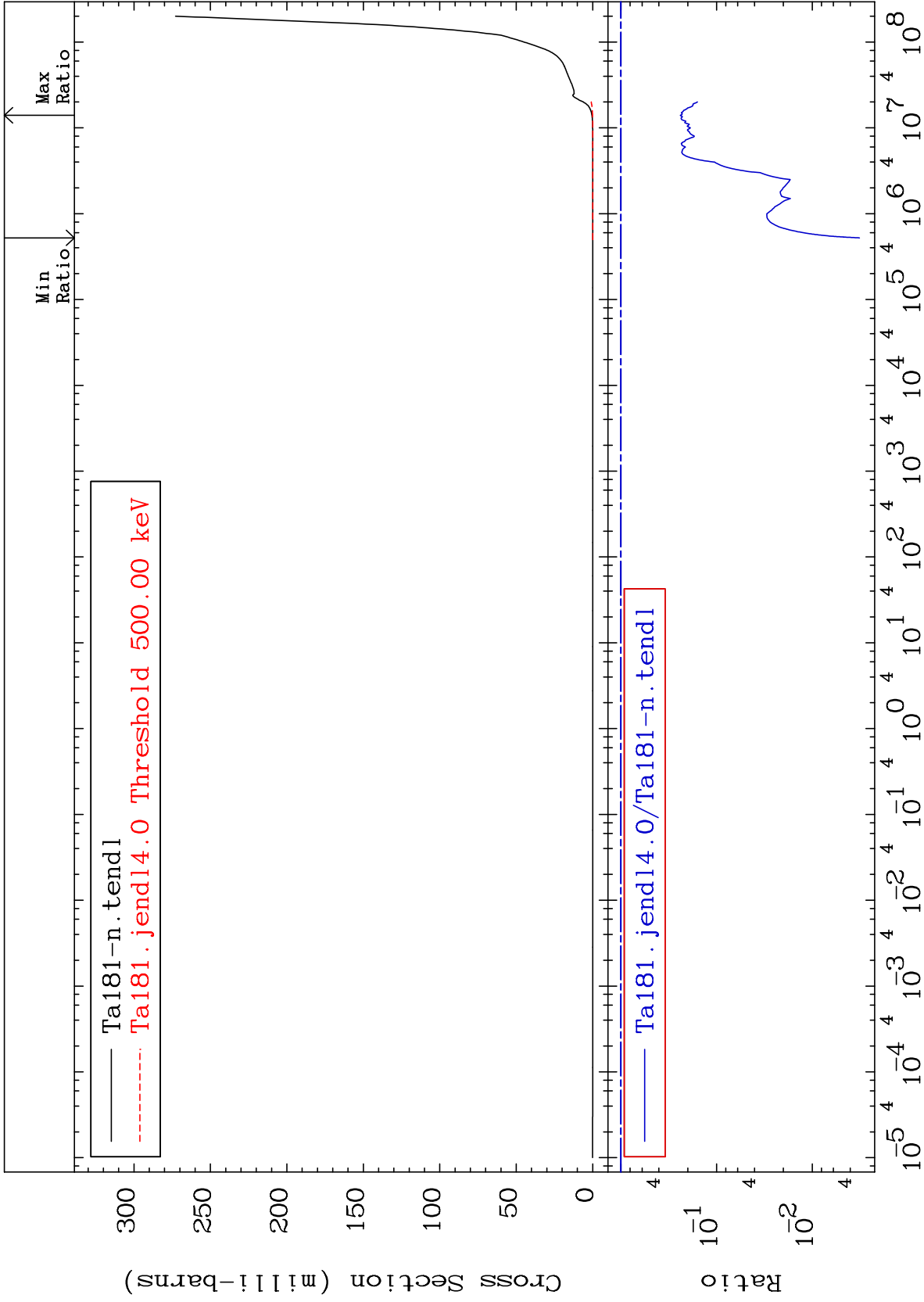




MAT 7328

He-4 Production  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-99.68 To -76.12%



26

Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

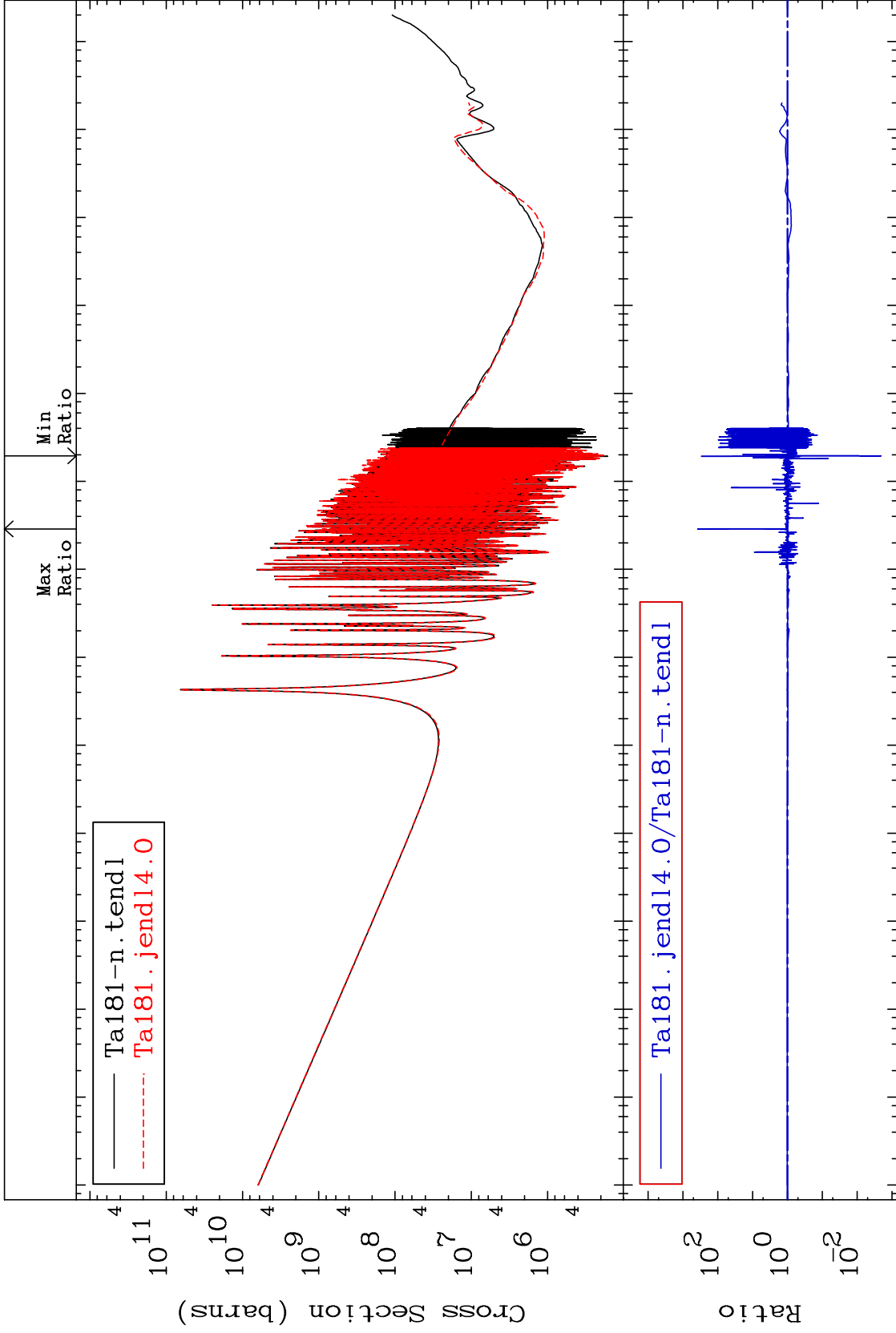
MAT 7328

Kerma total (eV-barns)

<sup>73</sup>Ta-181

-99.80 To 9999. %

Cross Section



27

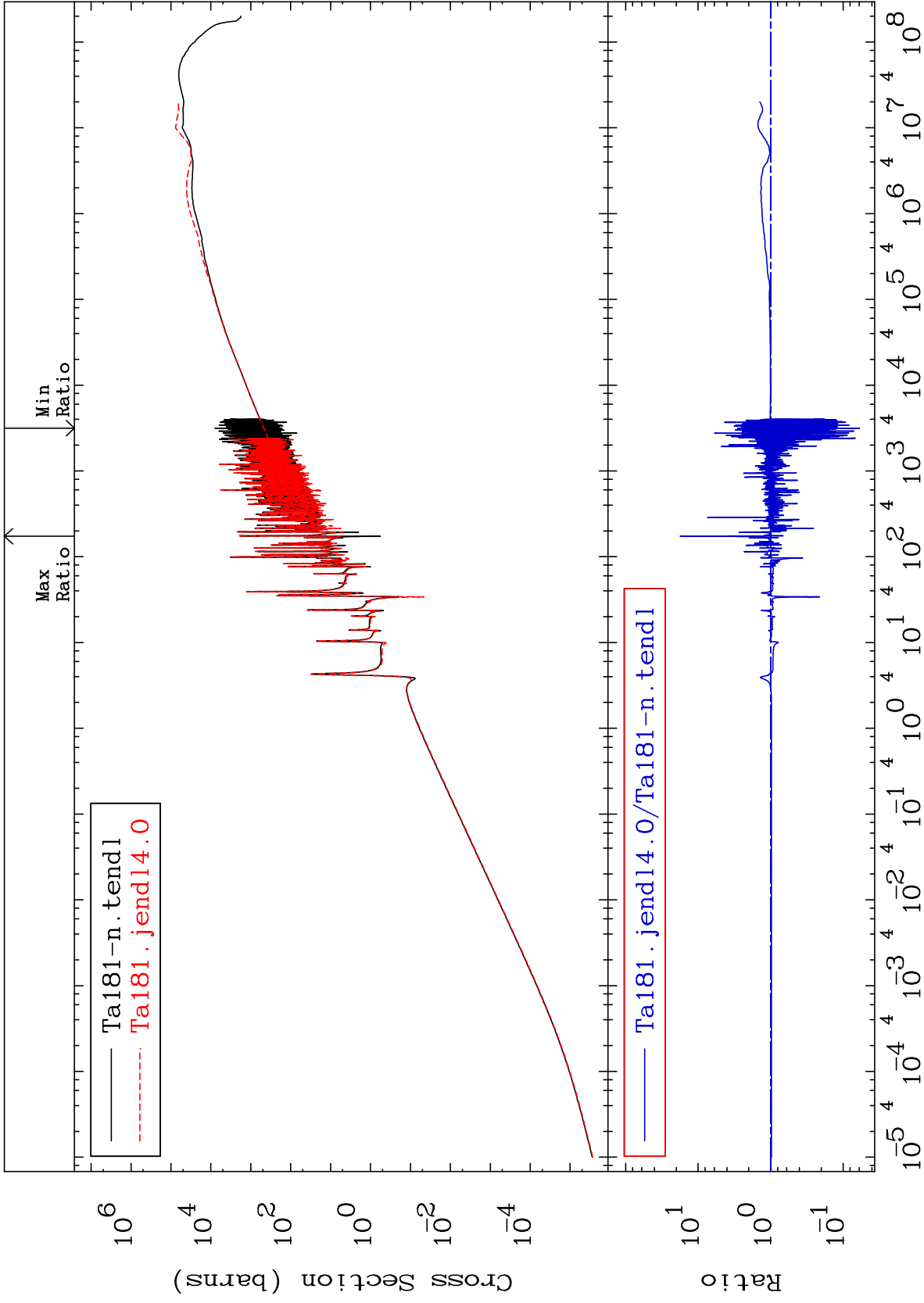
Incident Energy (eV)

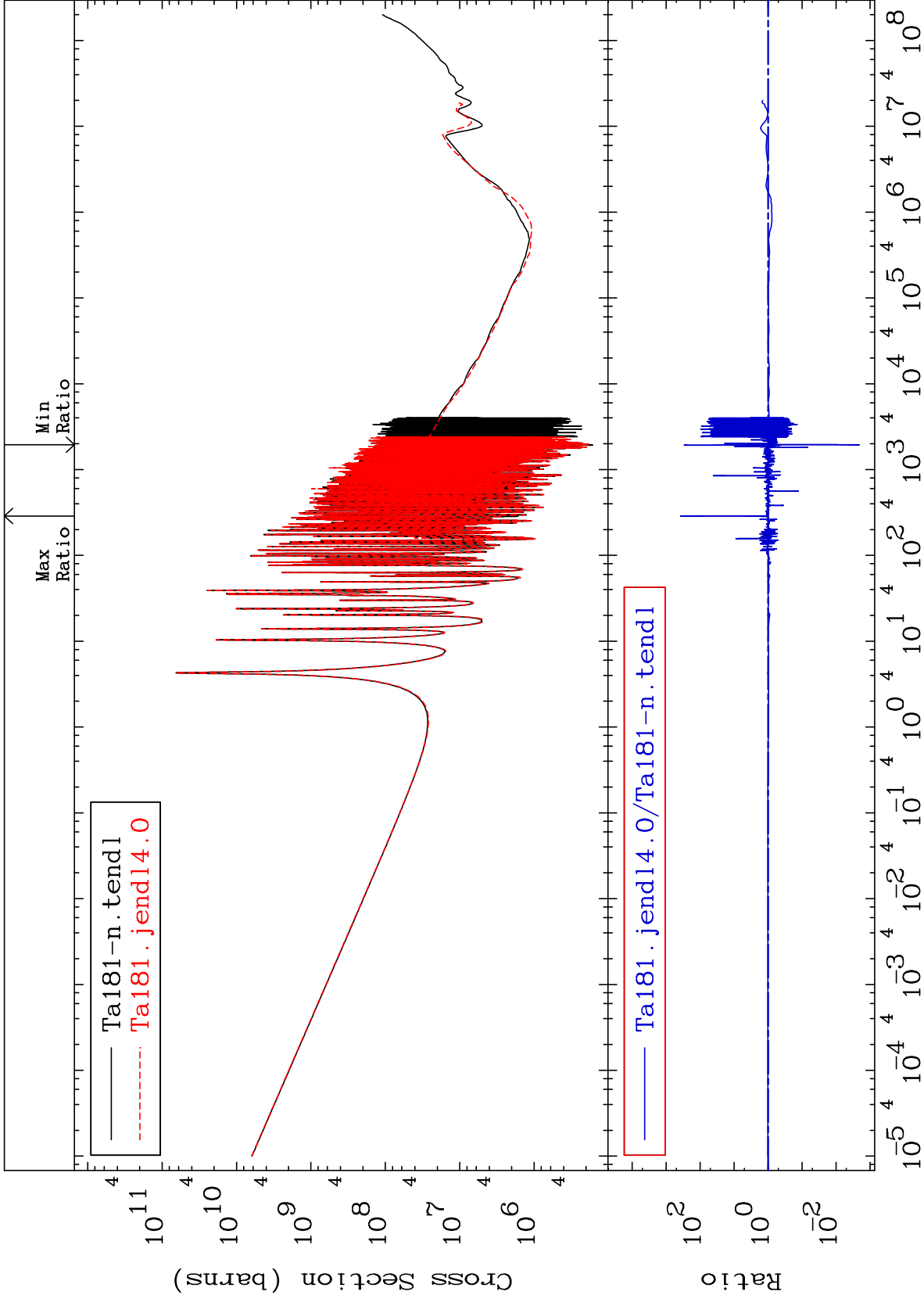
<sup>73</sup>Ta-181

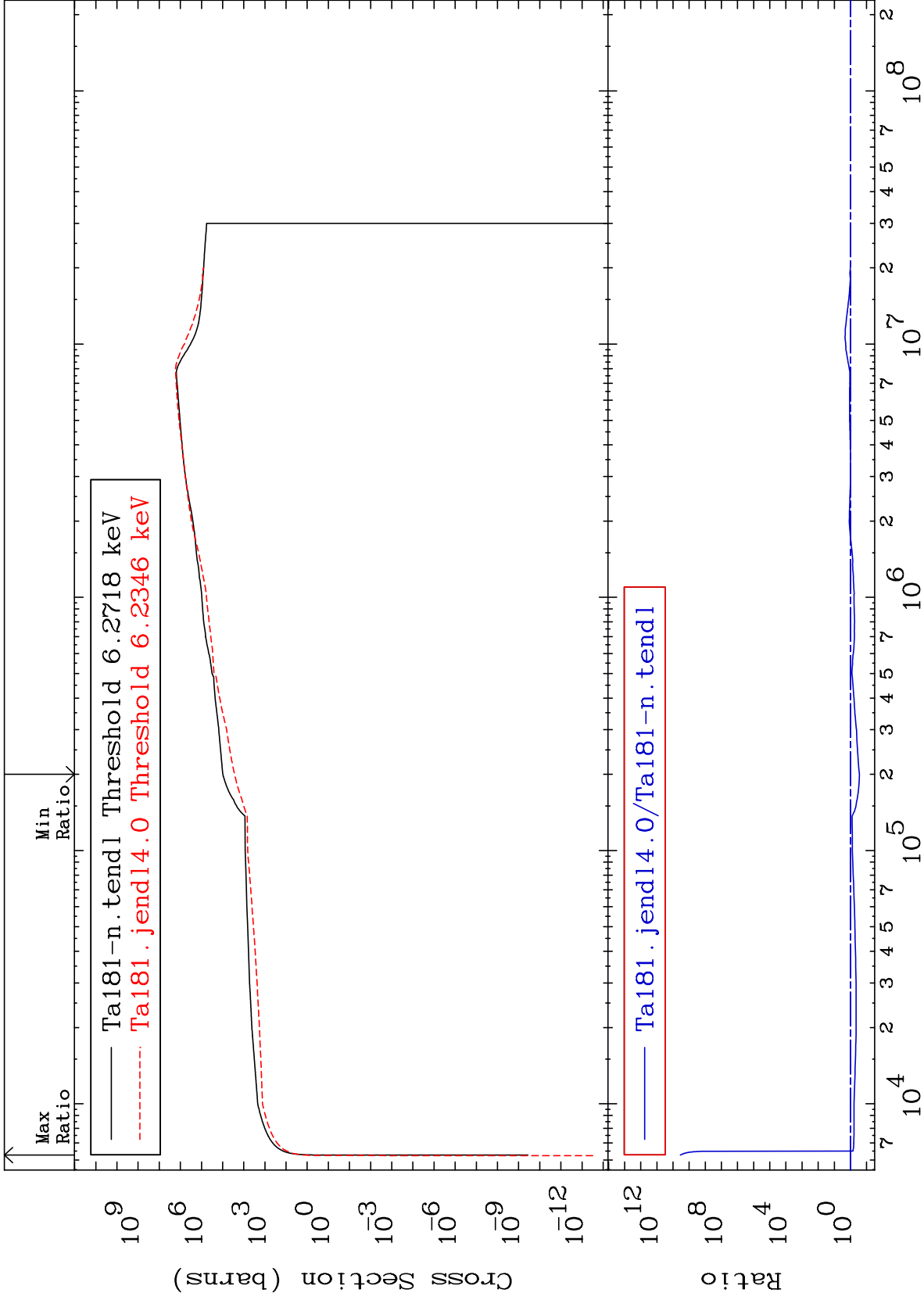
MAT 7328

Kerma elastic  
Cross Section

<sup>73</sup>Ta-181  
-94.04 To 1658. %



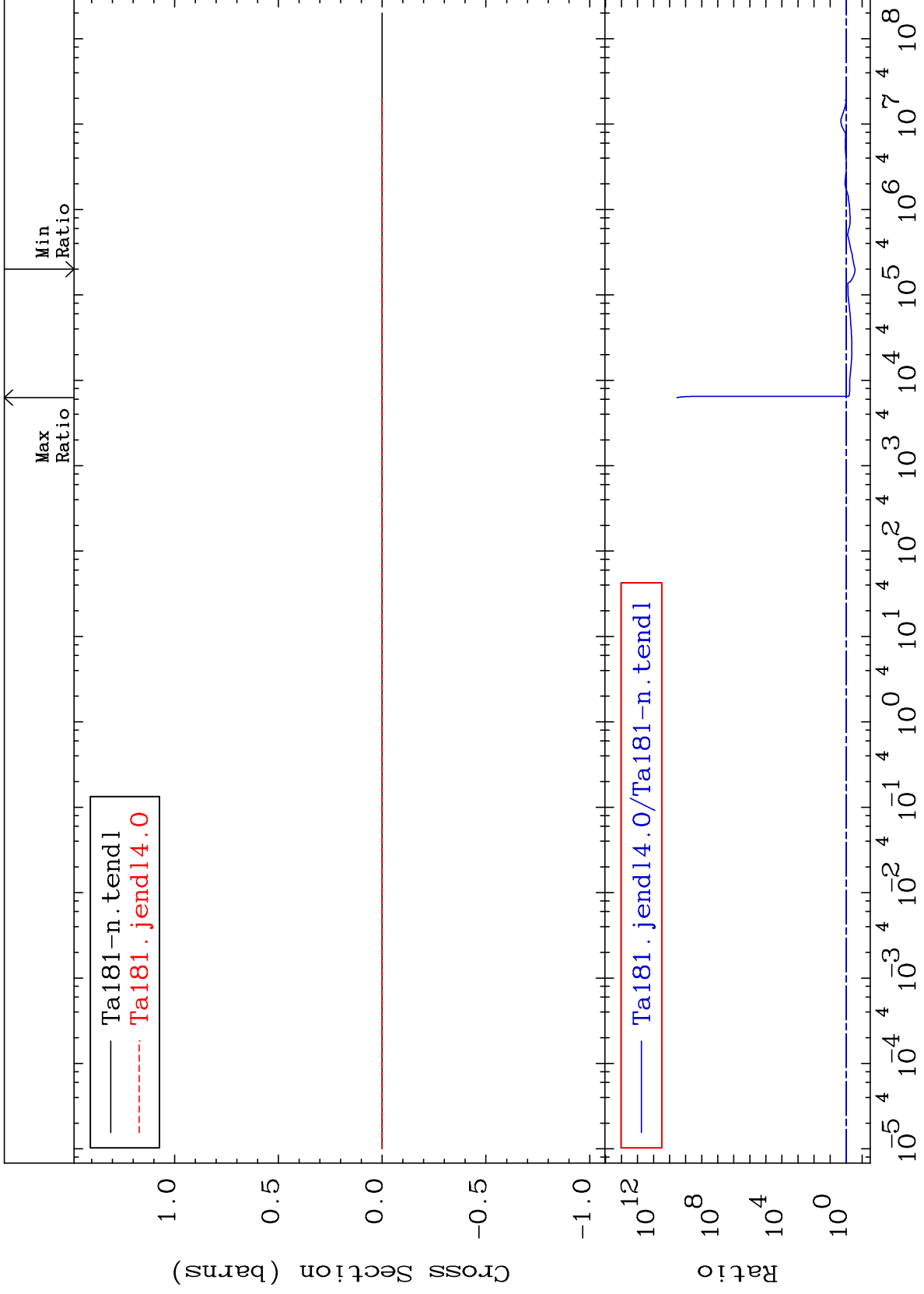




MAT 7328

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

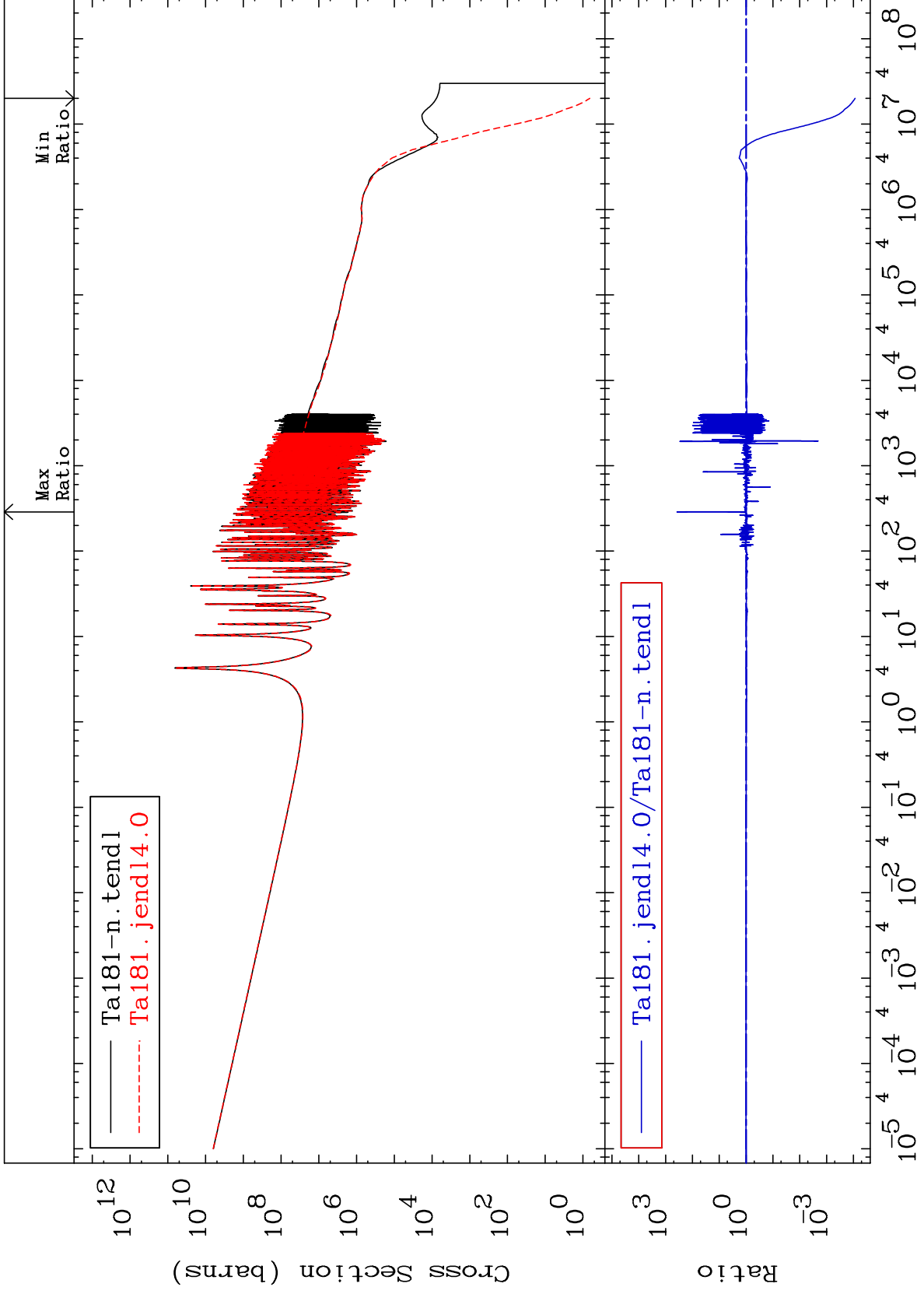
73-Ta-181  
-72.31 To 9999. %



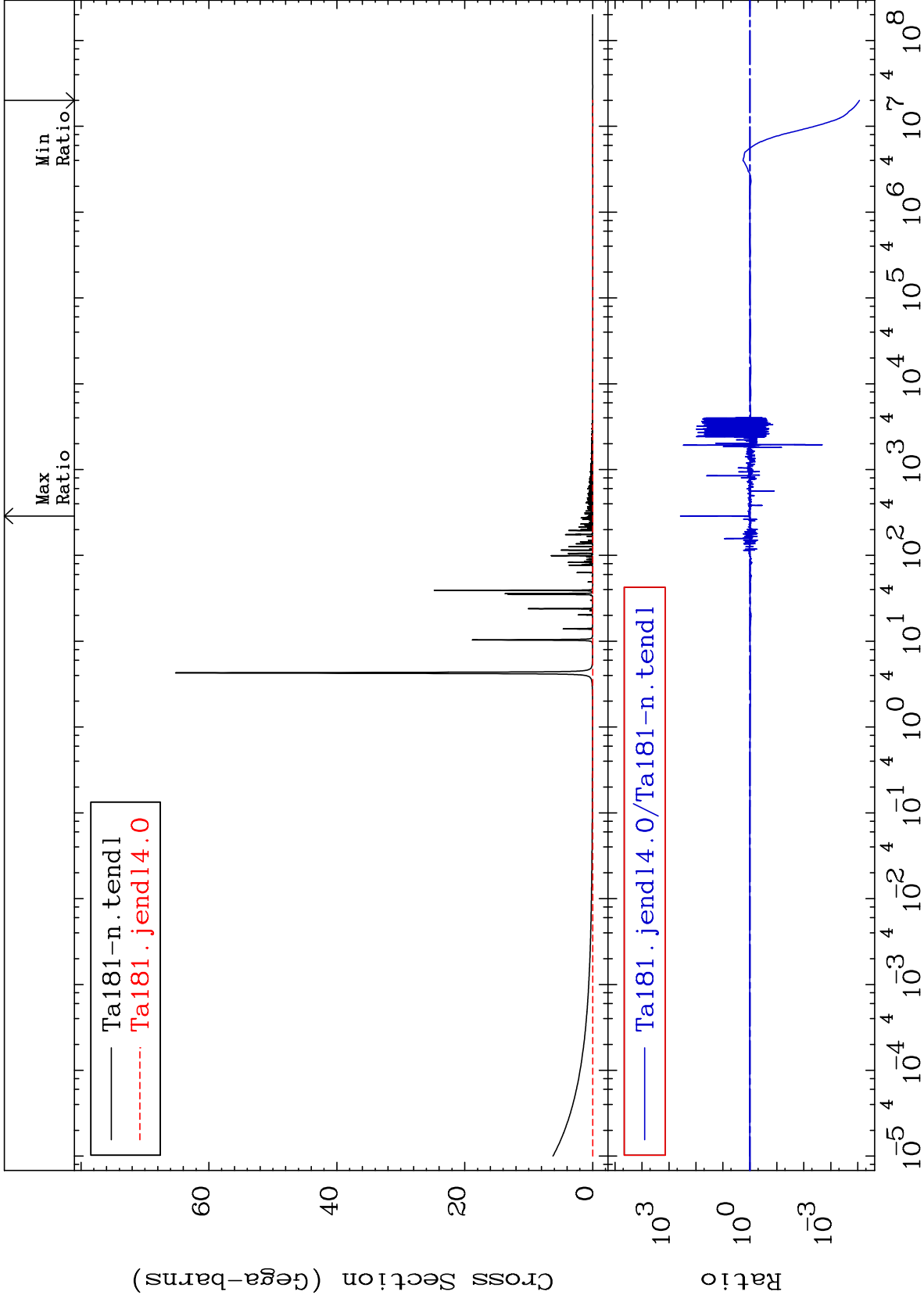
MAT 7328

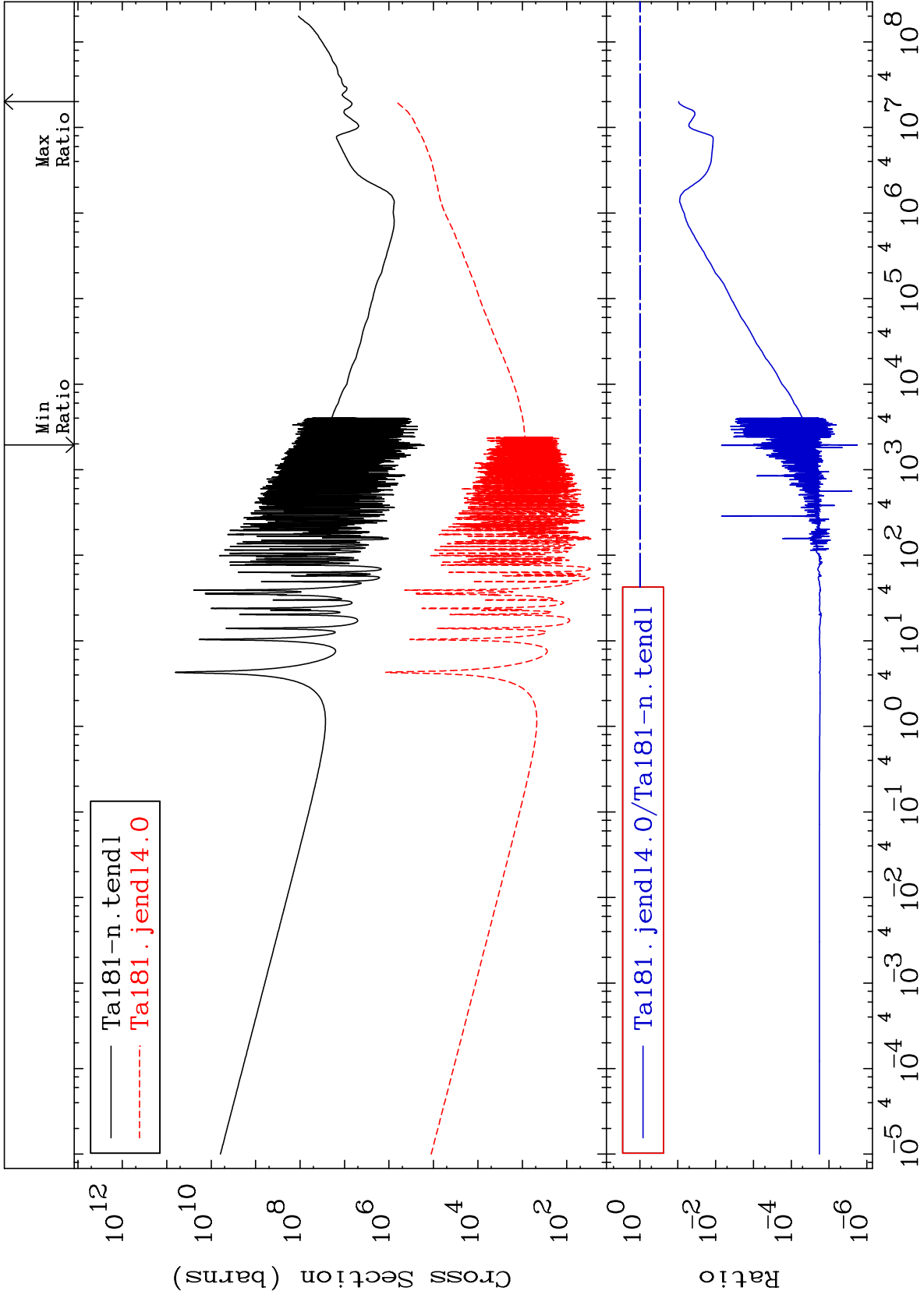
Kerma capture (mt102)  
Cross Section

73-Ta-181  
-99.99 To 9999. %







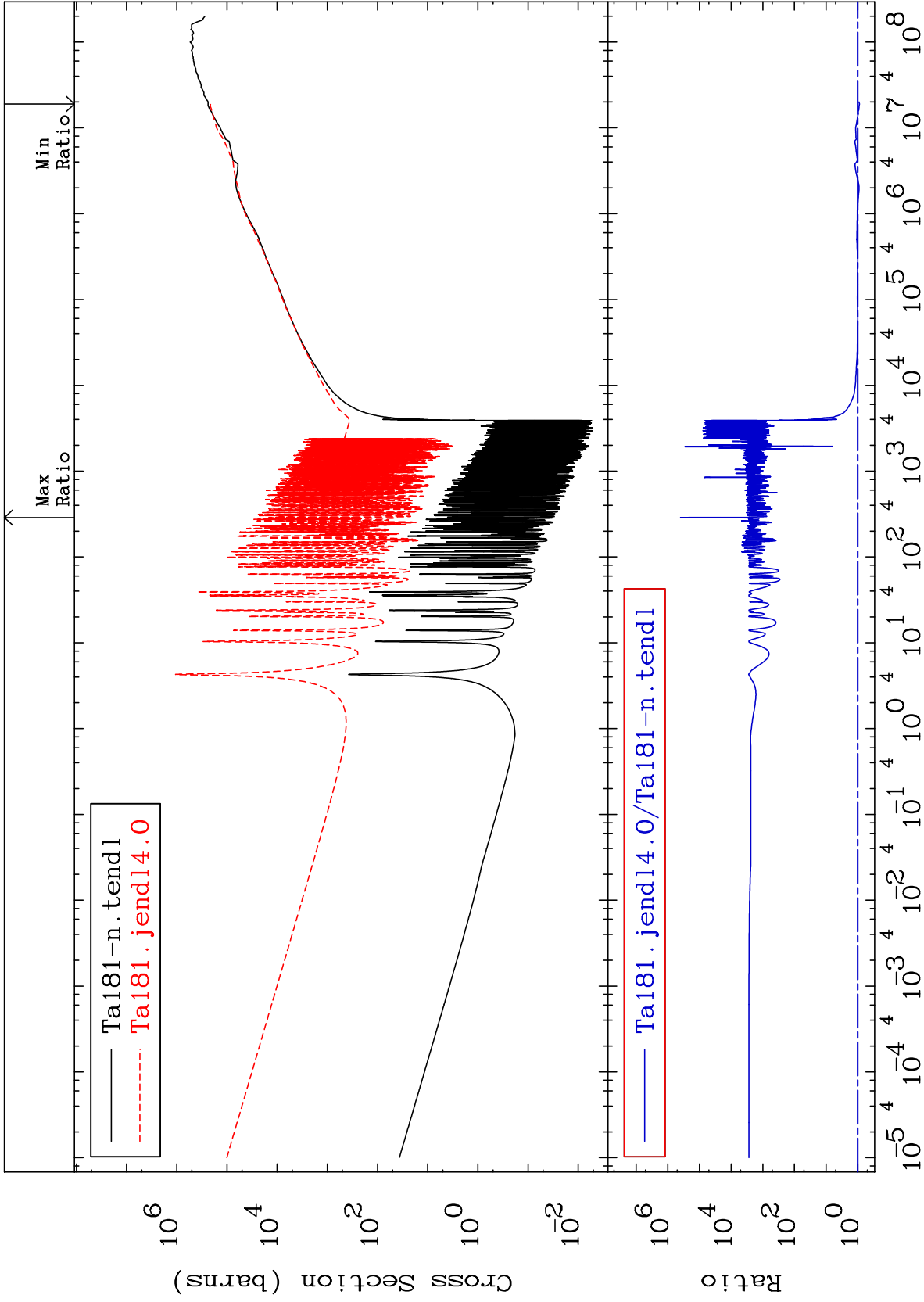


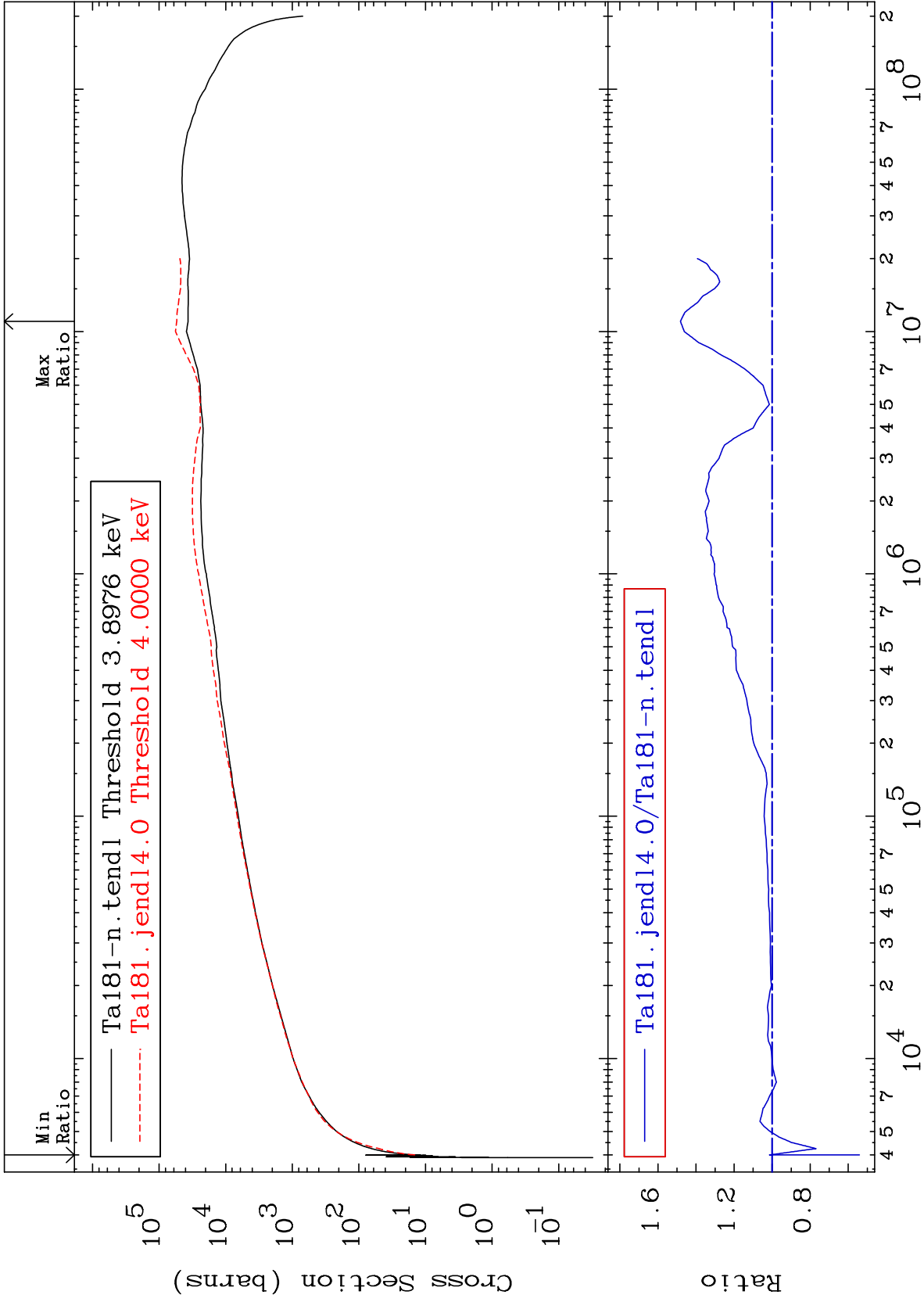
MAT 7328

Dpa total (eV-barns)

<sup>73</sup>Ta-181

-10.97 To 9999. %

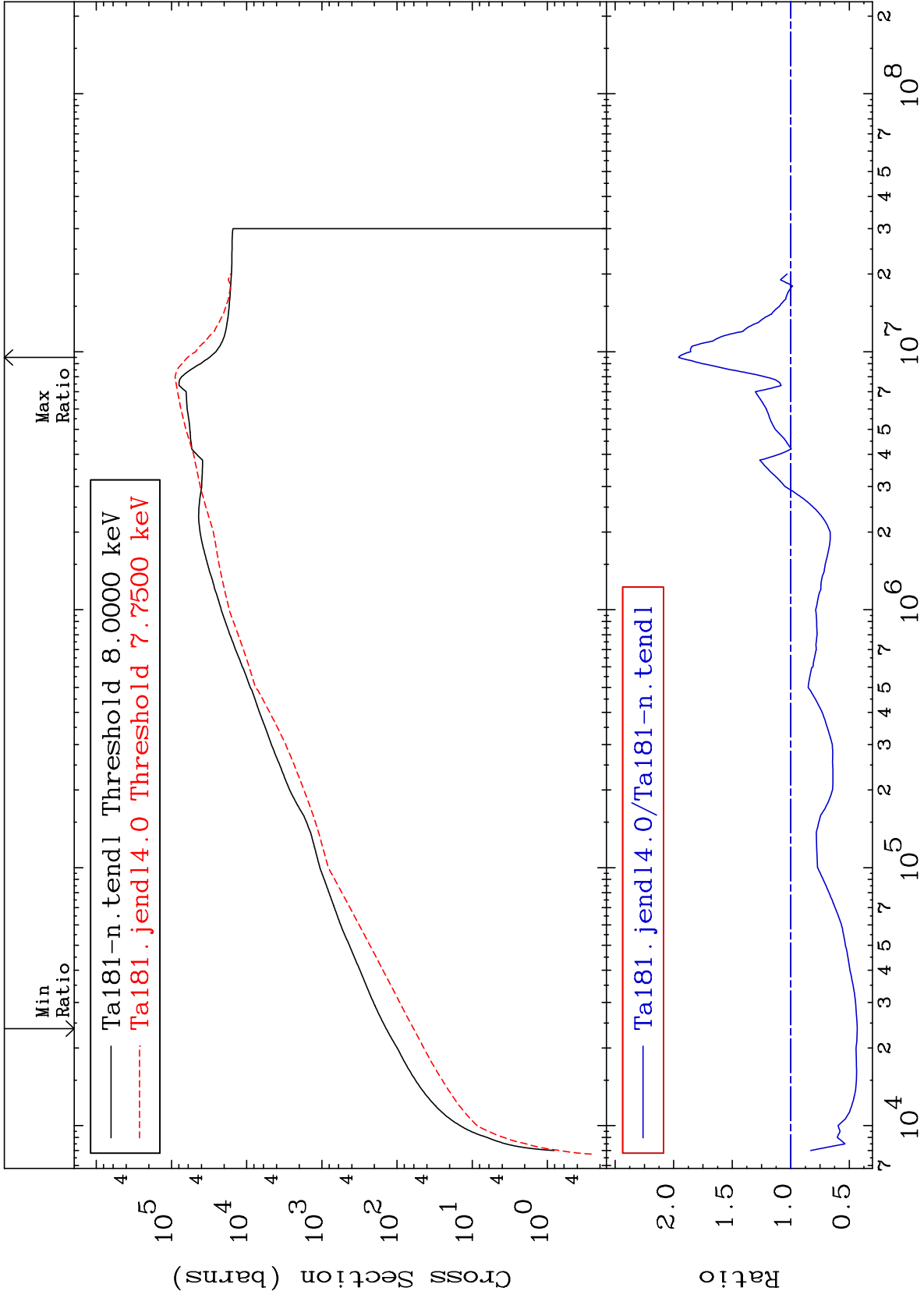




MAT 7328

Dpa inelastic (mt51-91)  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-56.78 To 95.77 %



37

Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>Ta

MAT 7328

Dpa disappearance (mt102 -120)  
Cross Section

73-Ta-181  
-48.47 To 9999. %

