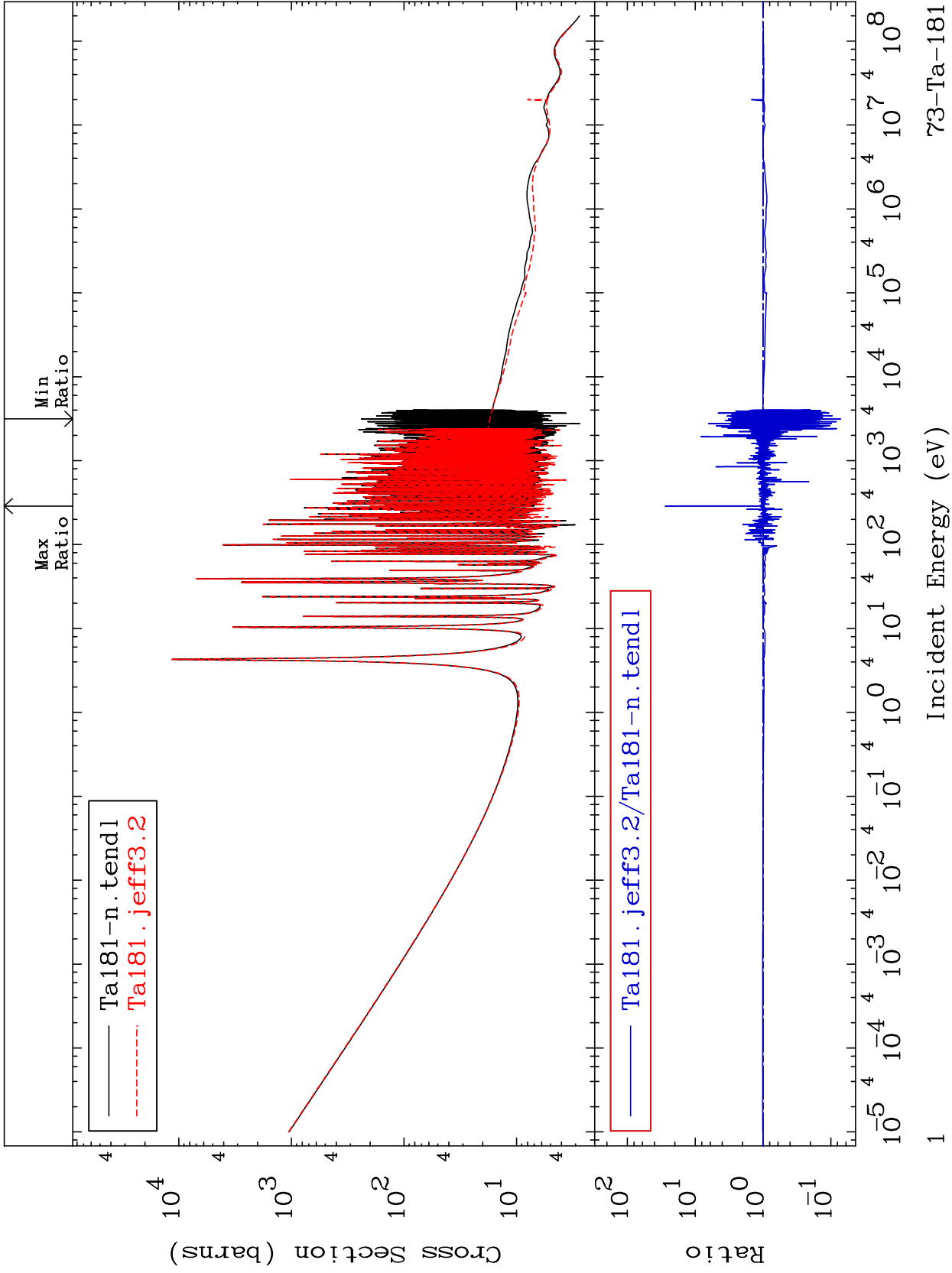


MAT 7328

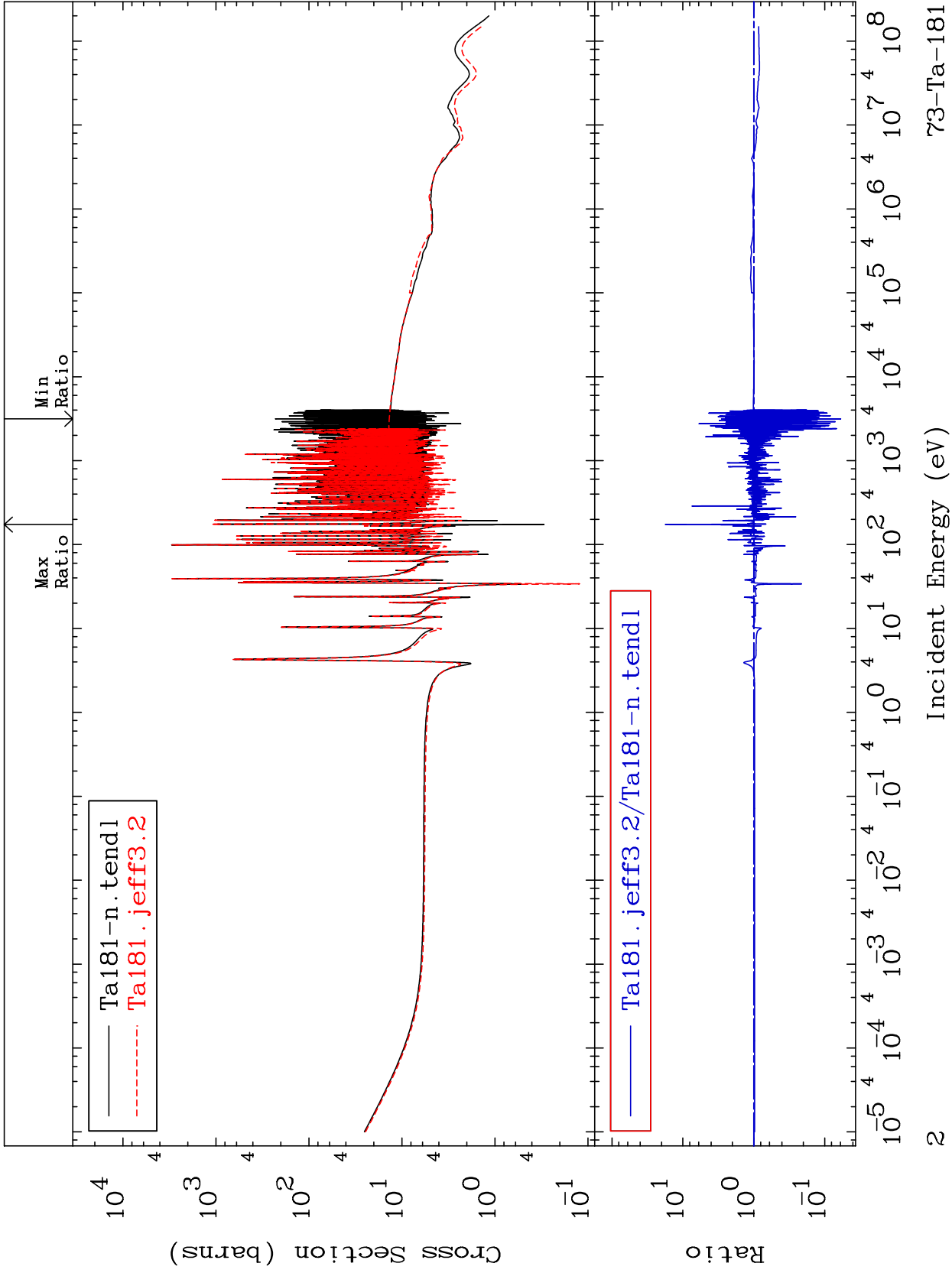
Total Cross Section  
73-Ta-181  
-92.83 To 2643. %



73-Ta-181

MAT 7328

Elastic Cross Section  
73-Ta-181  
-94.05 To 1658. %



73-Ta-181

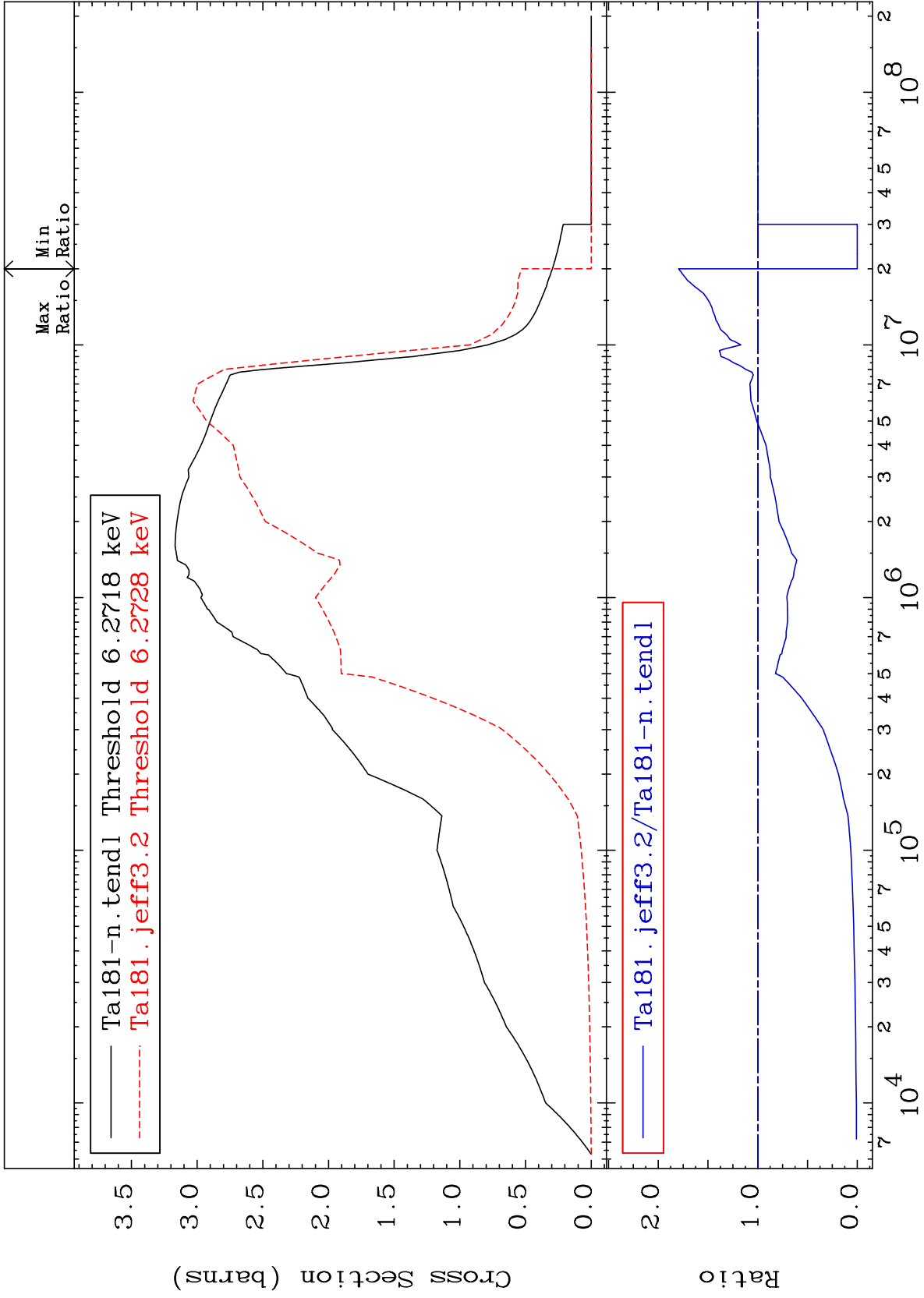
Incident Energy (eV)

2

MAT 7328

Inelastic  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 79.49 %



3

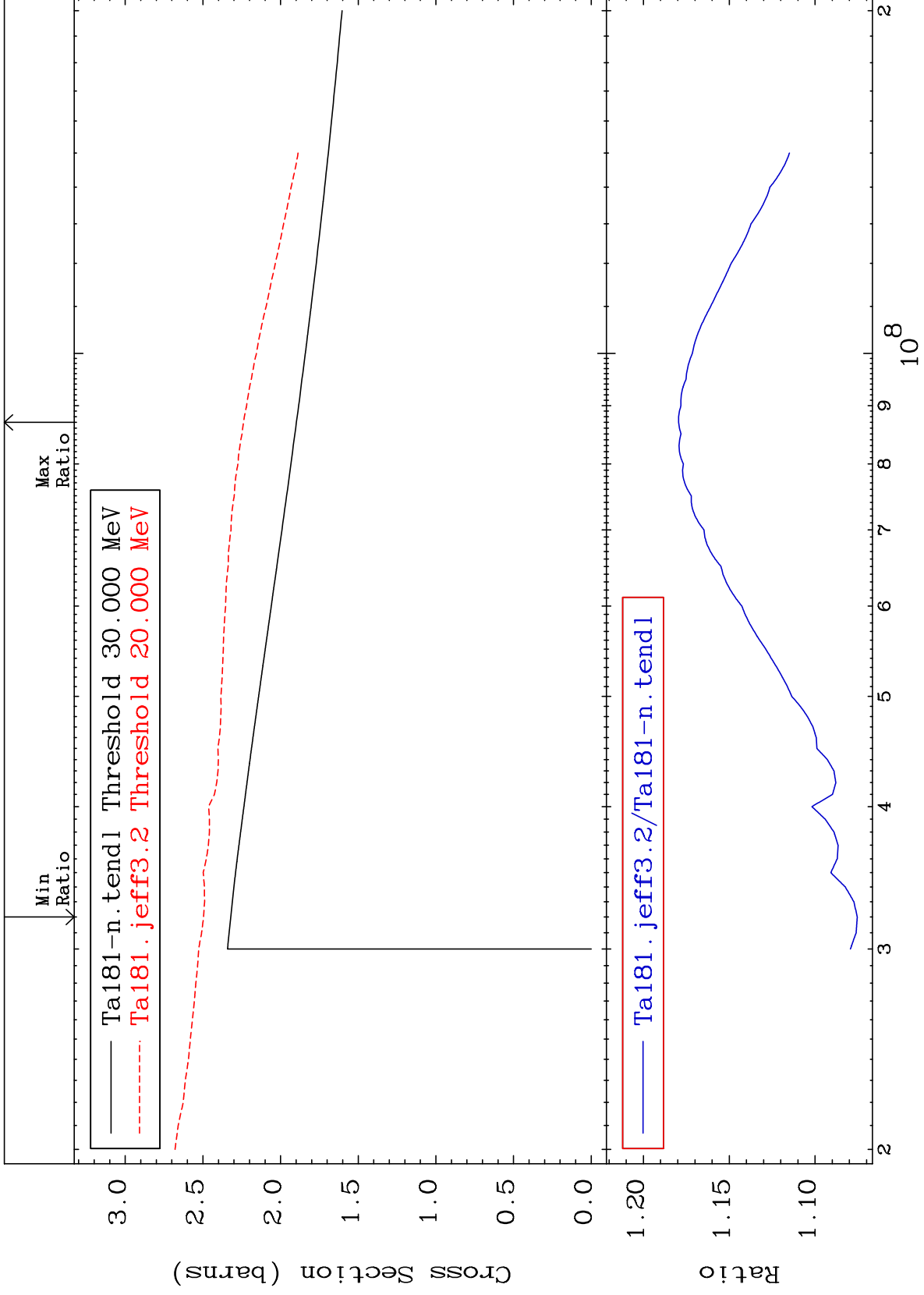
Incident Energy (eV)

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

MAT 7328

(n, remainder)  
Cross Section

$^{73}\text{Ta-181}$   
7.542 To 17.95 %



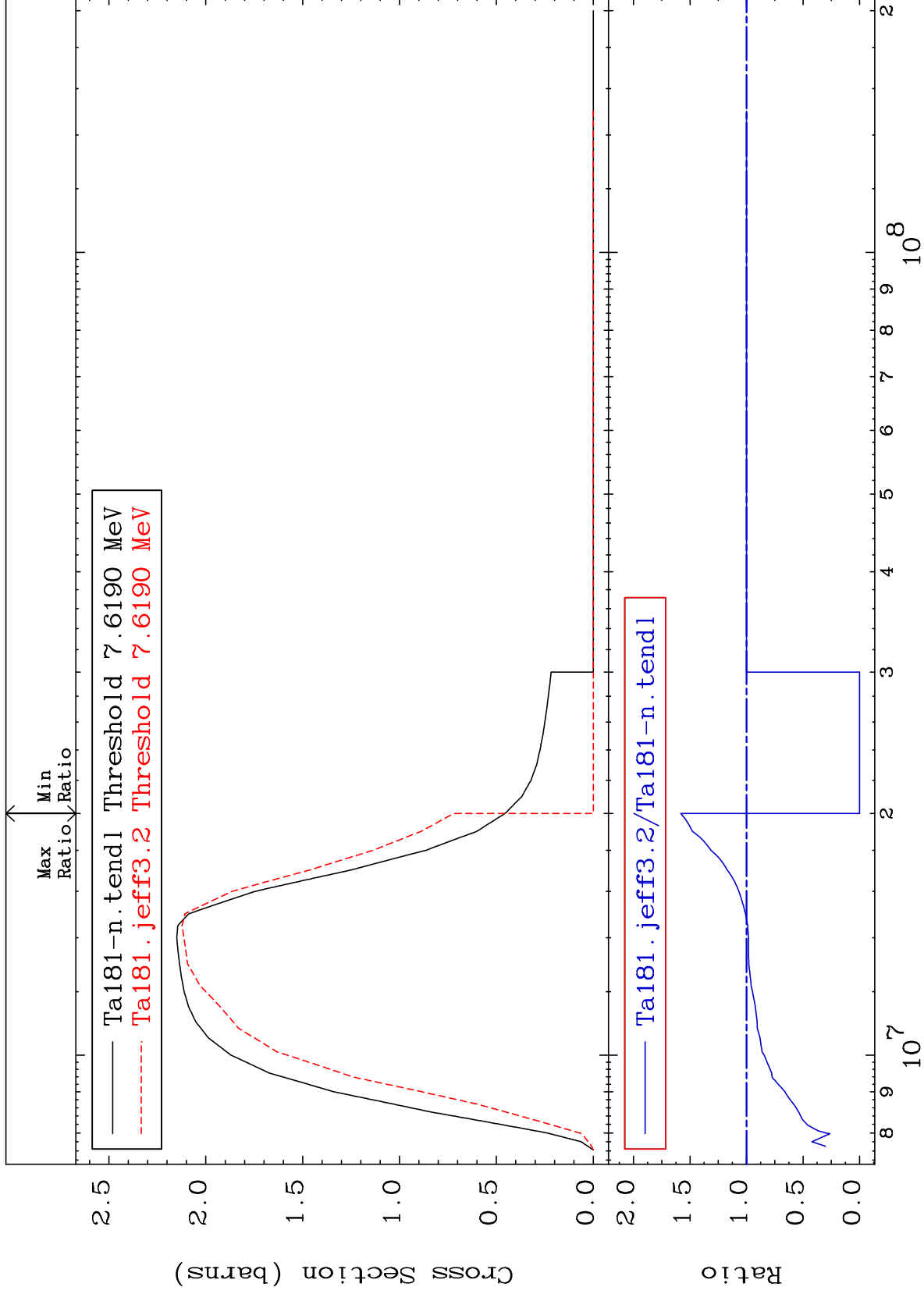
MAT 7328

(n,2n)

<sup>73</sup>Ta-181

Cross Section

-100.0 To 58.18 %



5

Incident Energy (eV)

<sup>73</sup>Ta-181

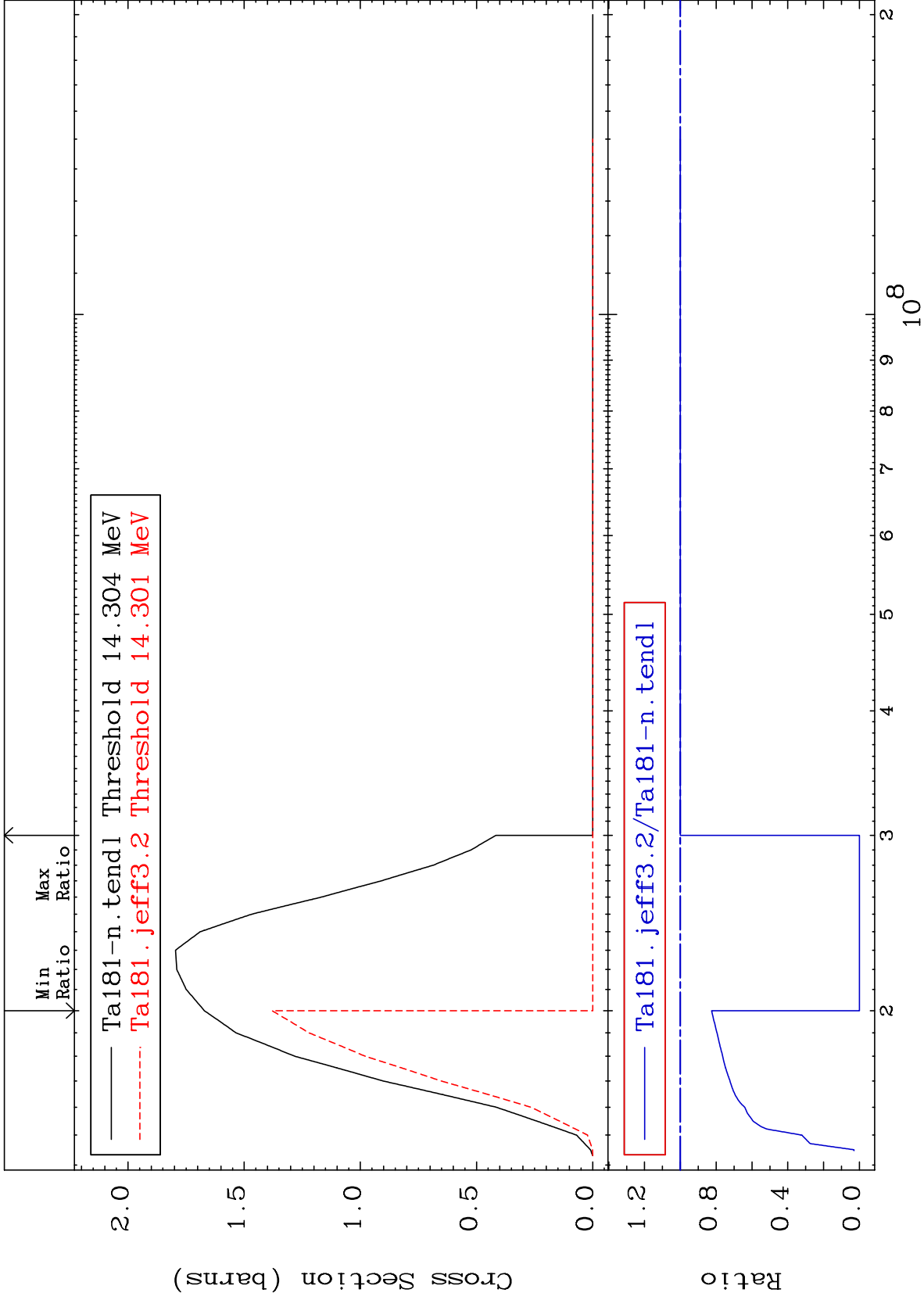
MAT 7328

(n,3n)

<sup>73</sup>Ta-181

Cross Section

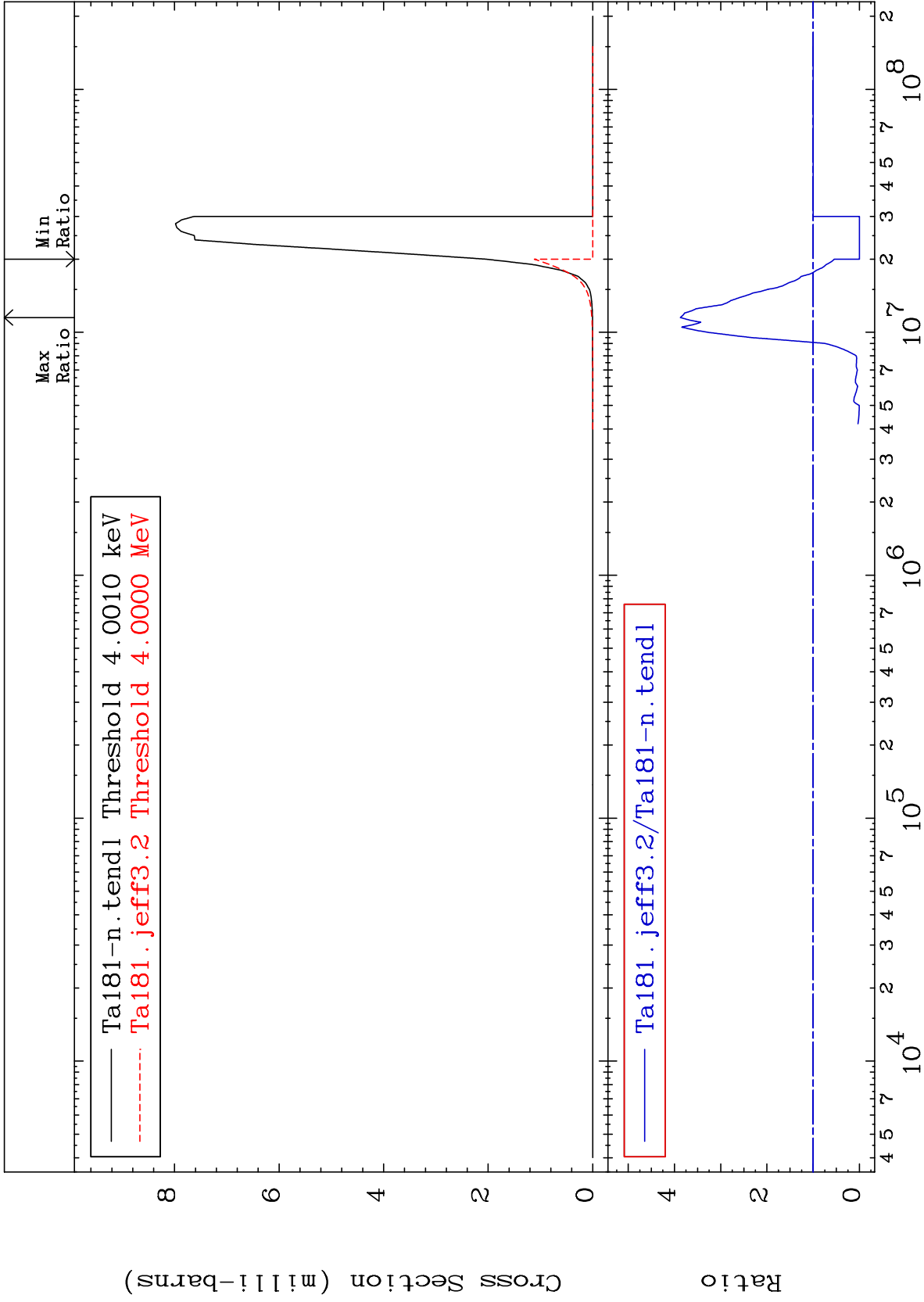
-100.0 To 0.000 %



MAT 7328

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

$^{73}\text{Ta-181}$   
-100.0 To 287.2 %



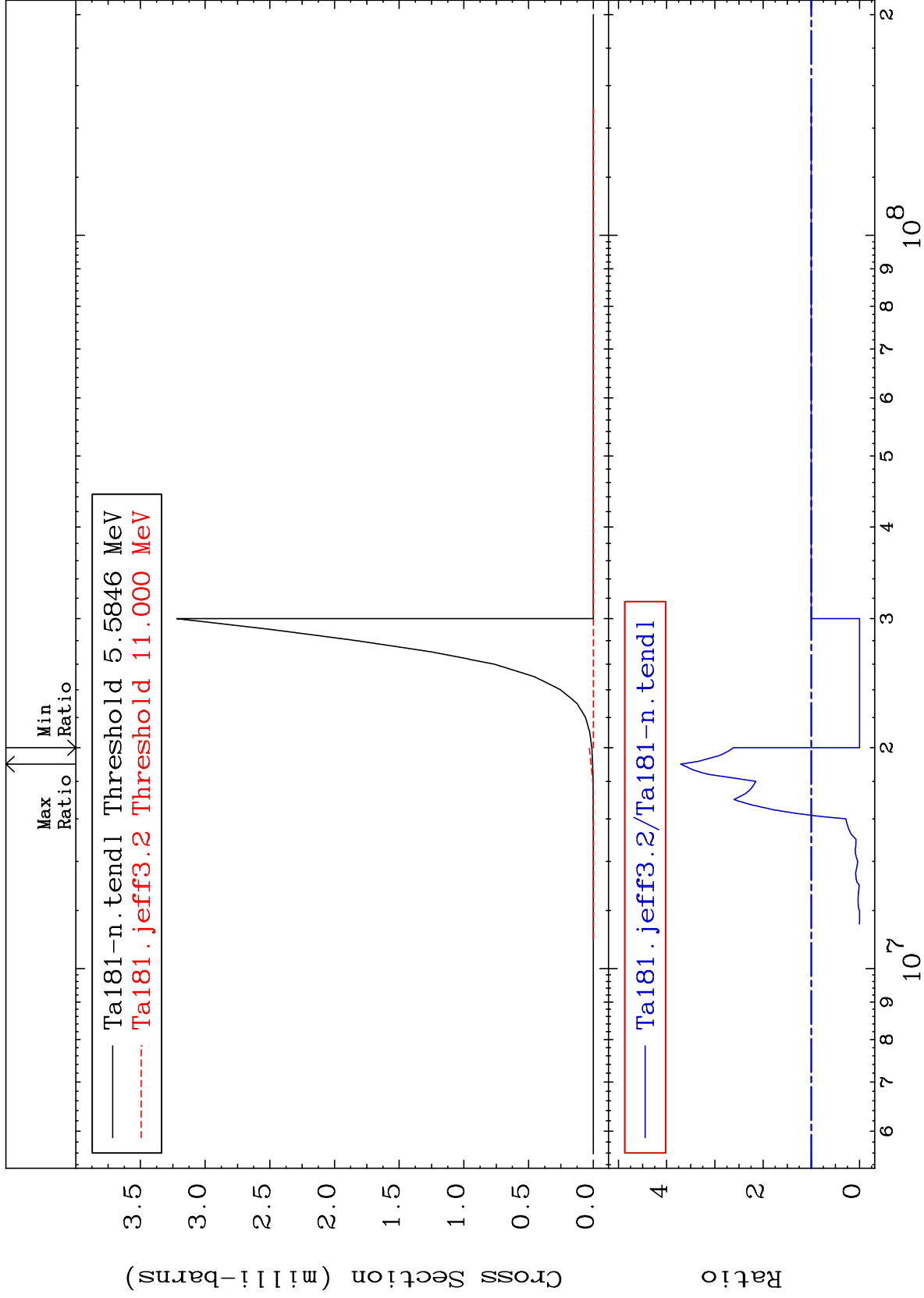
7

Incident Energy (eV)

$^{73}\text{Ta-181}$

MAT 7328

(n,2n)  $\alpha$   
Cross Section  
73-Ta-181  
-100.0 To 270.7 %



8

Incident Energy (eV)

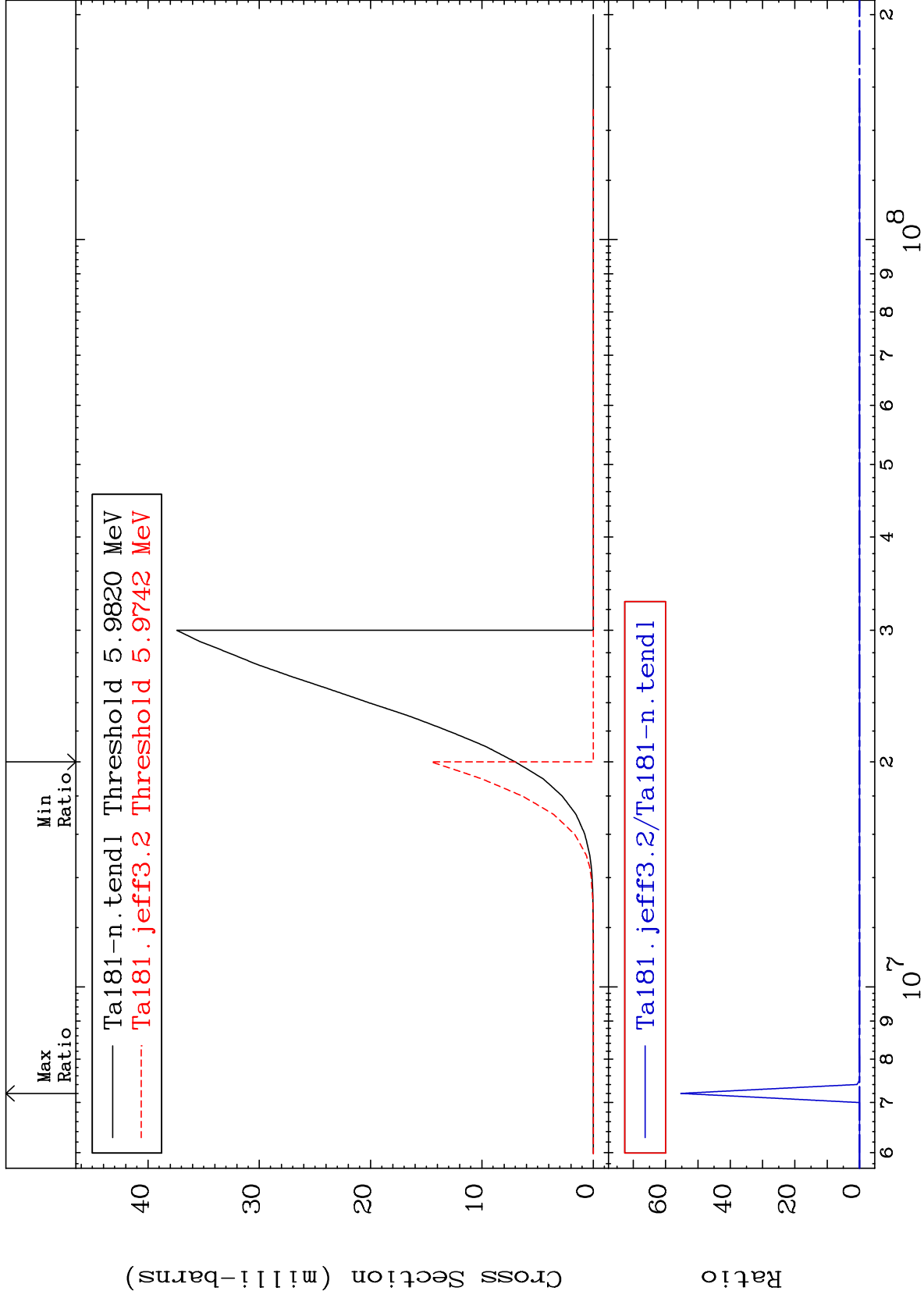
73-Ta-181



MAT 7328

(n,n') p  
Cross Section

<sup>73</sup>Ta-181  
-100.0 To 9999. %



9

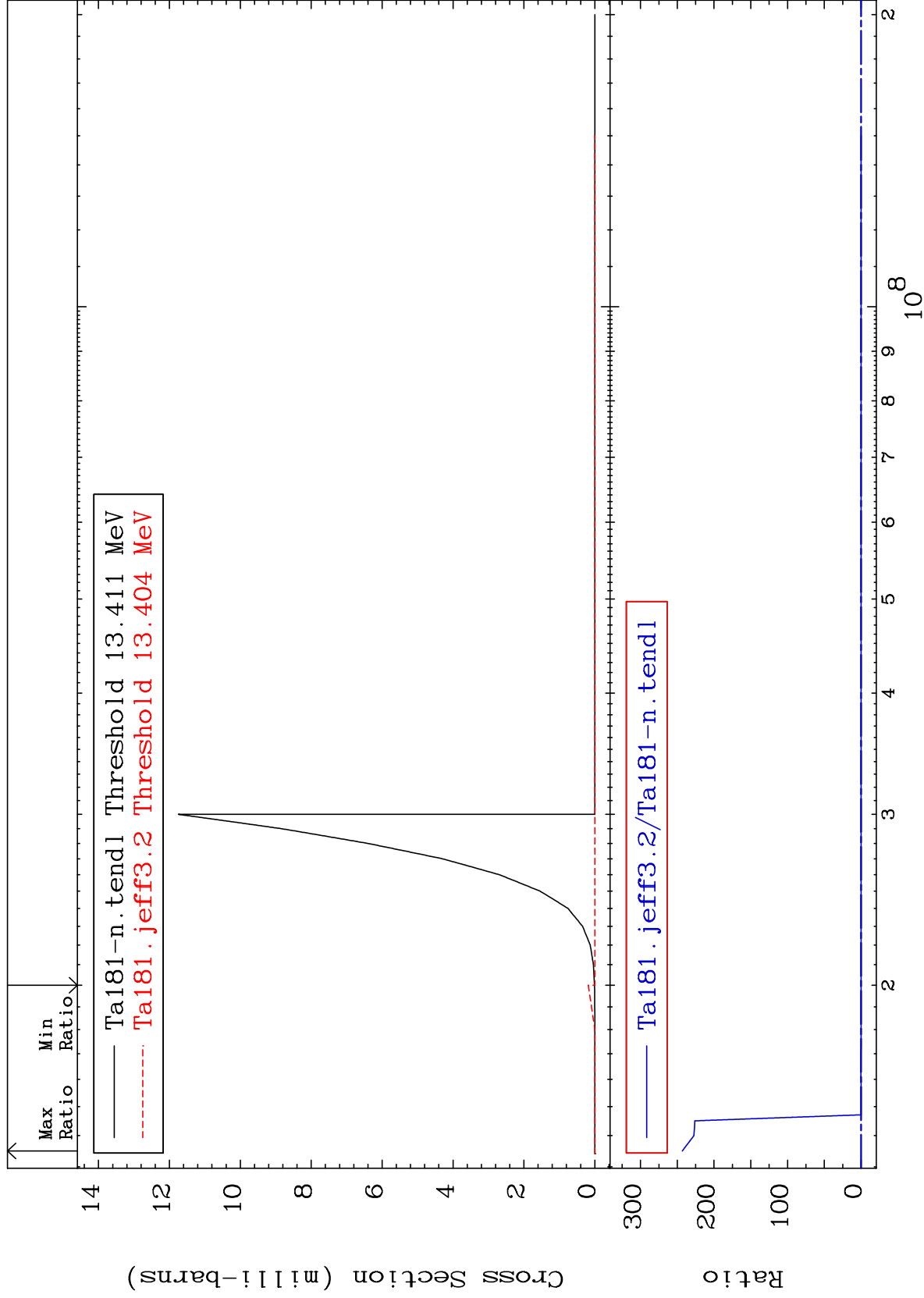
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

(n,2n) p  
Cross Section

<sup>73</sup>Ta-181  
-100.0 To 9999. %



10

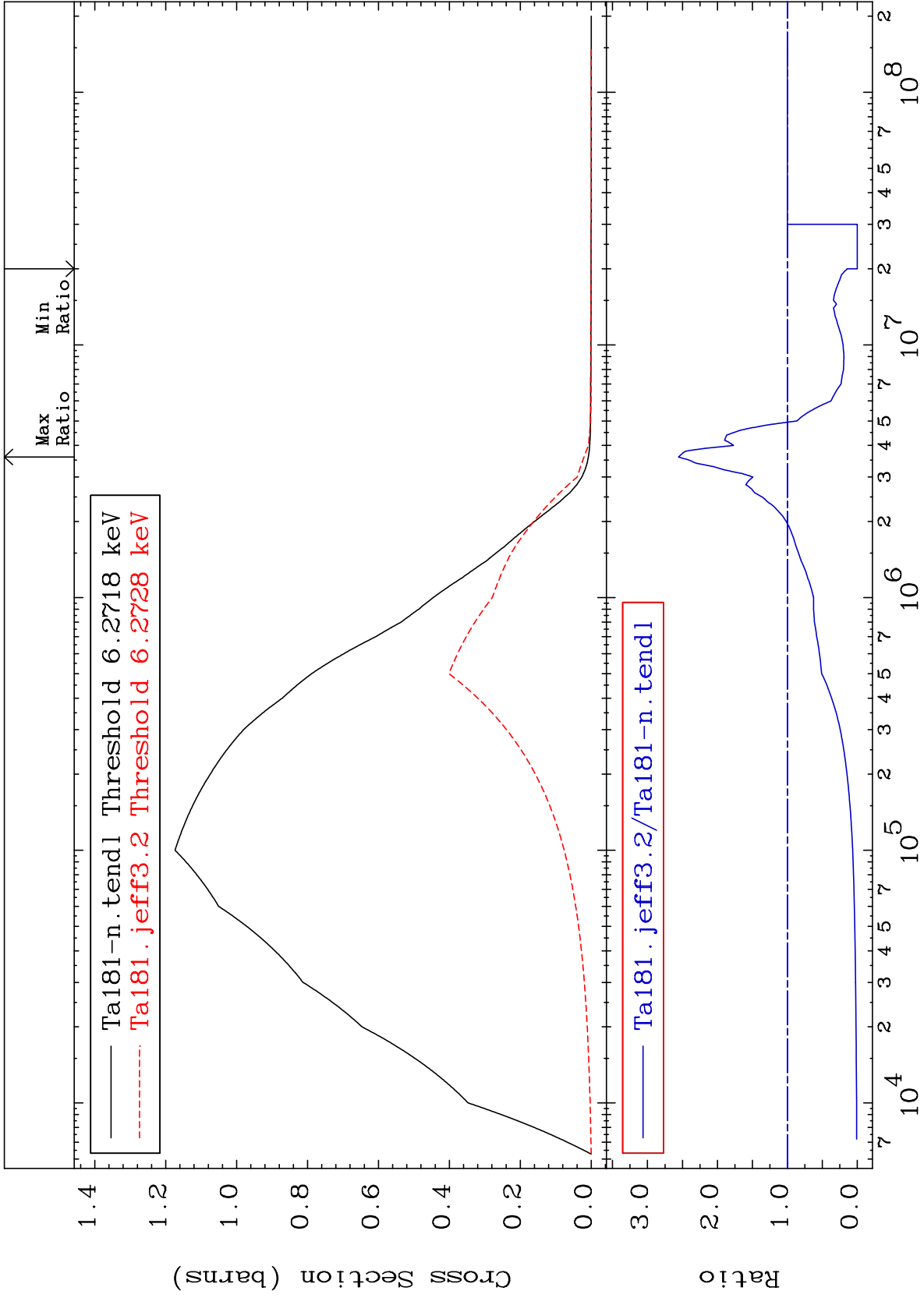
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

6.237 keV (n,n') Level  
Cross Section

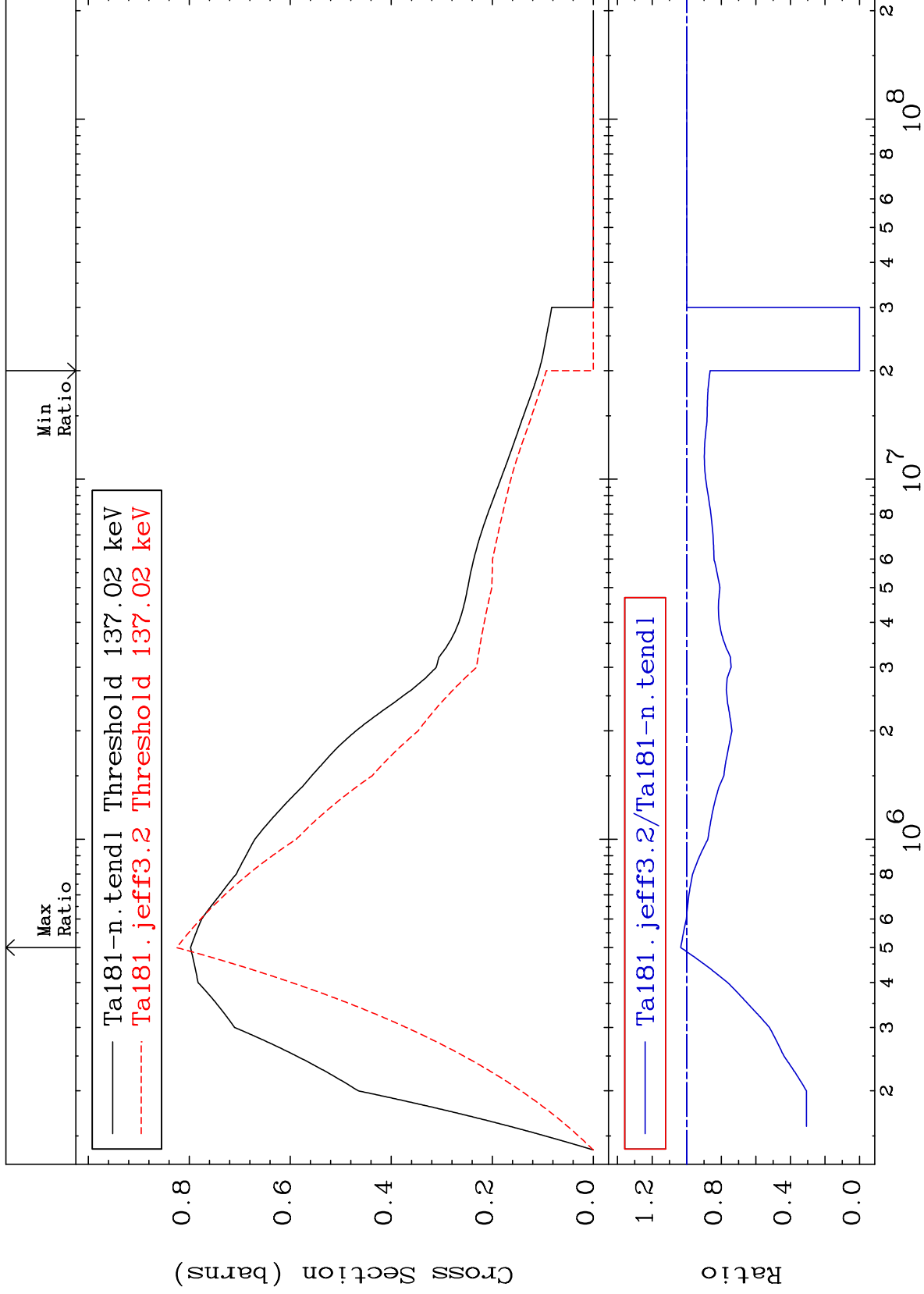
<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 155.5 %



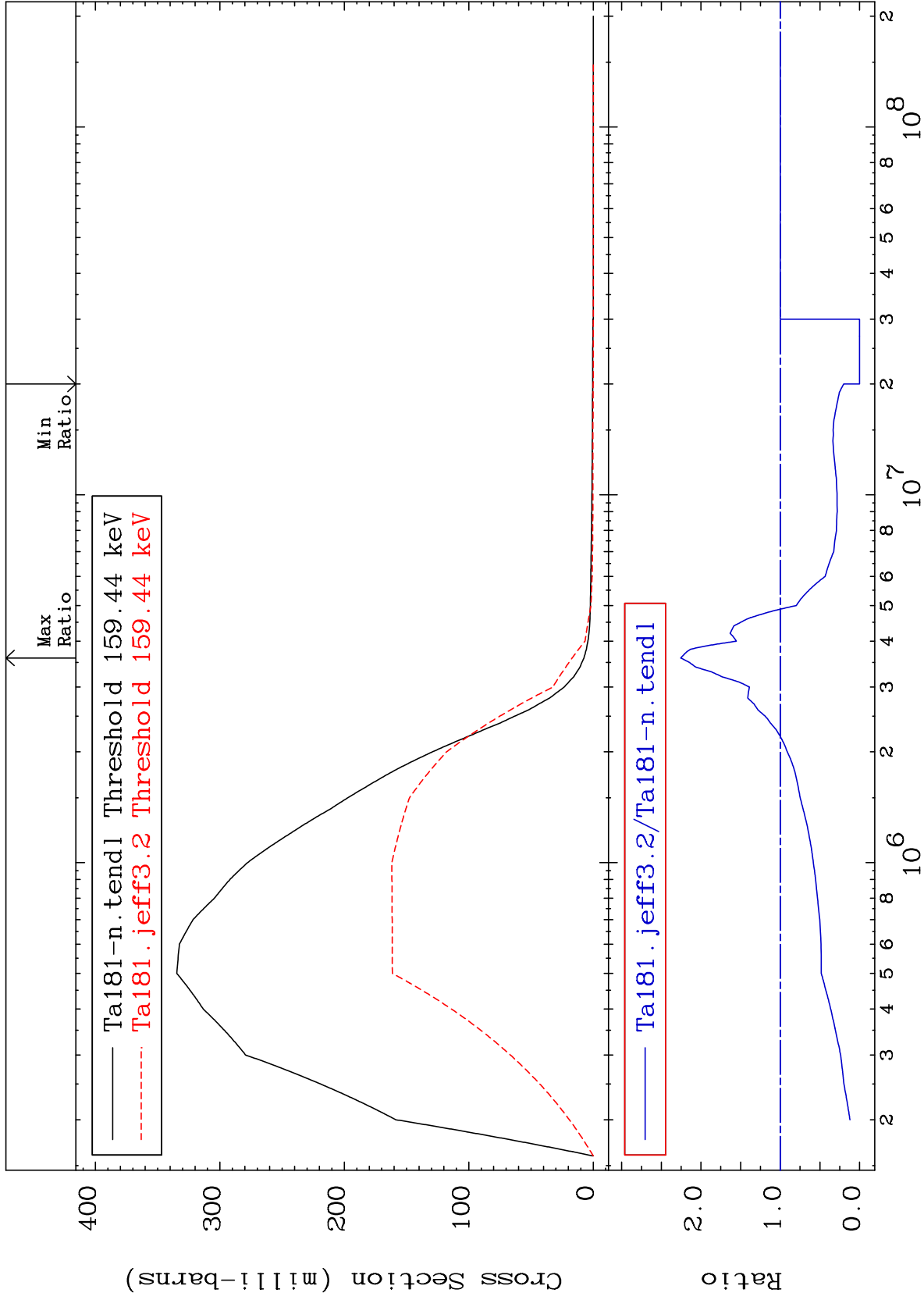
MAT 7328

136.3 keV (n,n') Level  
Cross Section

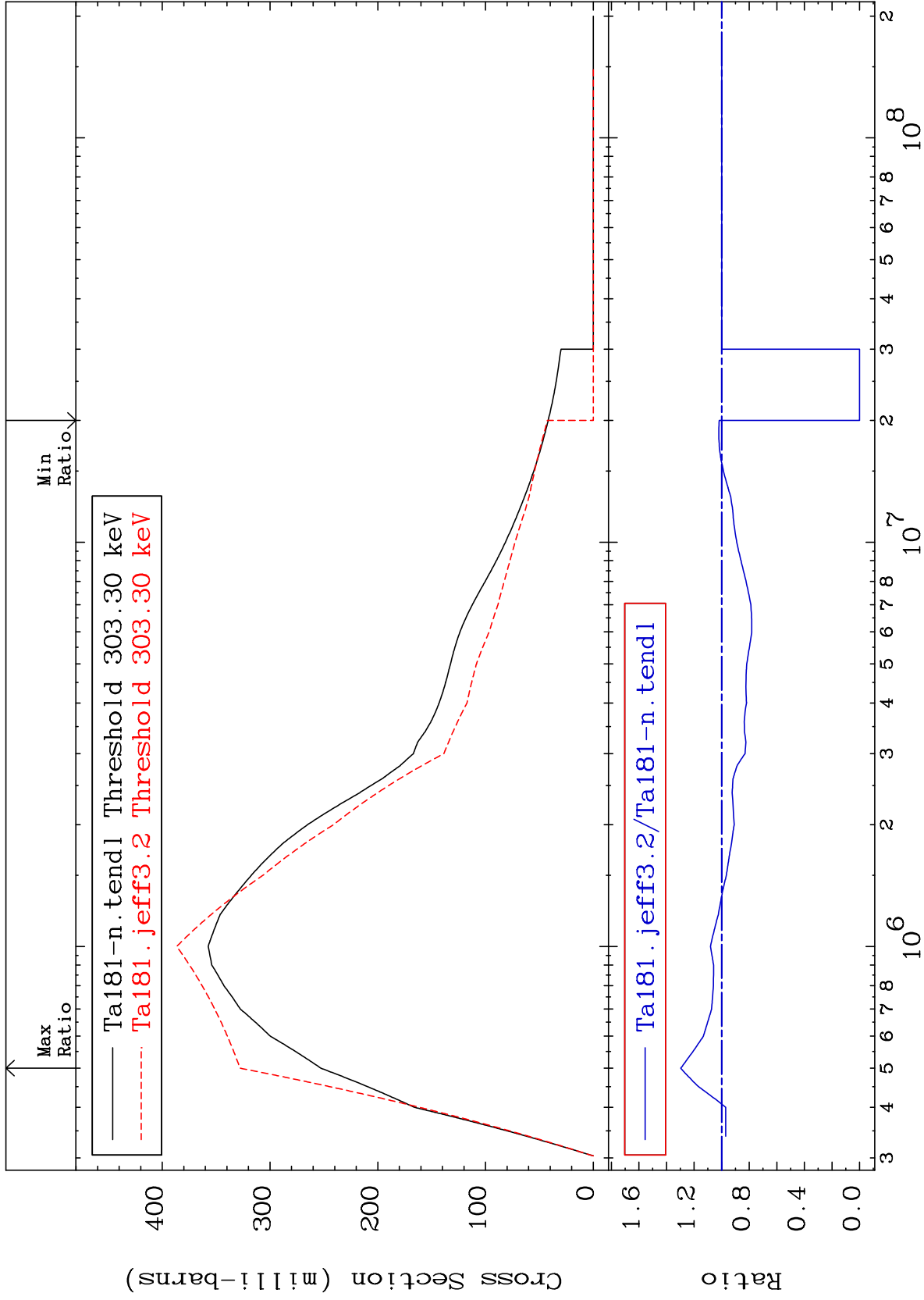
<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 3.418 %



MAT 7328 73-Ta-181  
 158.6 keV (n,n') Level -100.0 To 125.5 %  
 Cross Section



MAT 7328 301.6 keV (n,n') Level 73-Ta-181  
Cross Section -100.0 To 29.63 %



14 Incident Energy (eV) 73-Ta-181

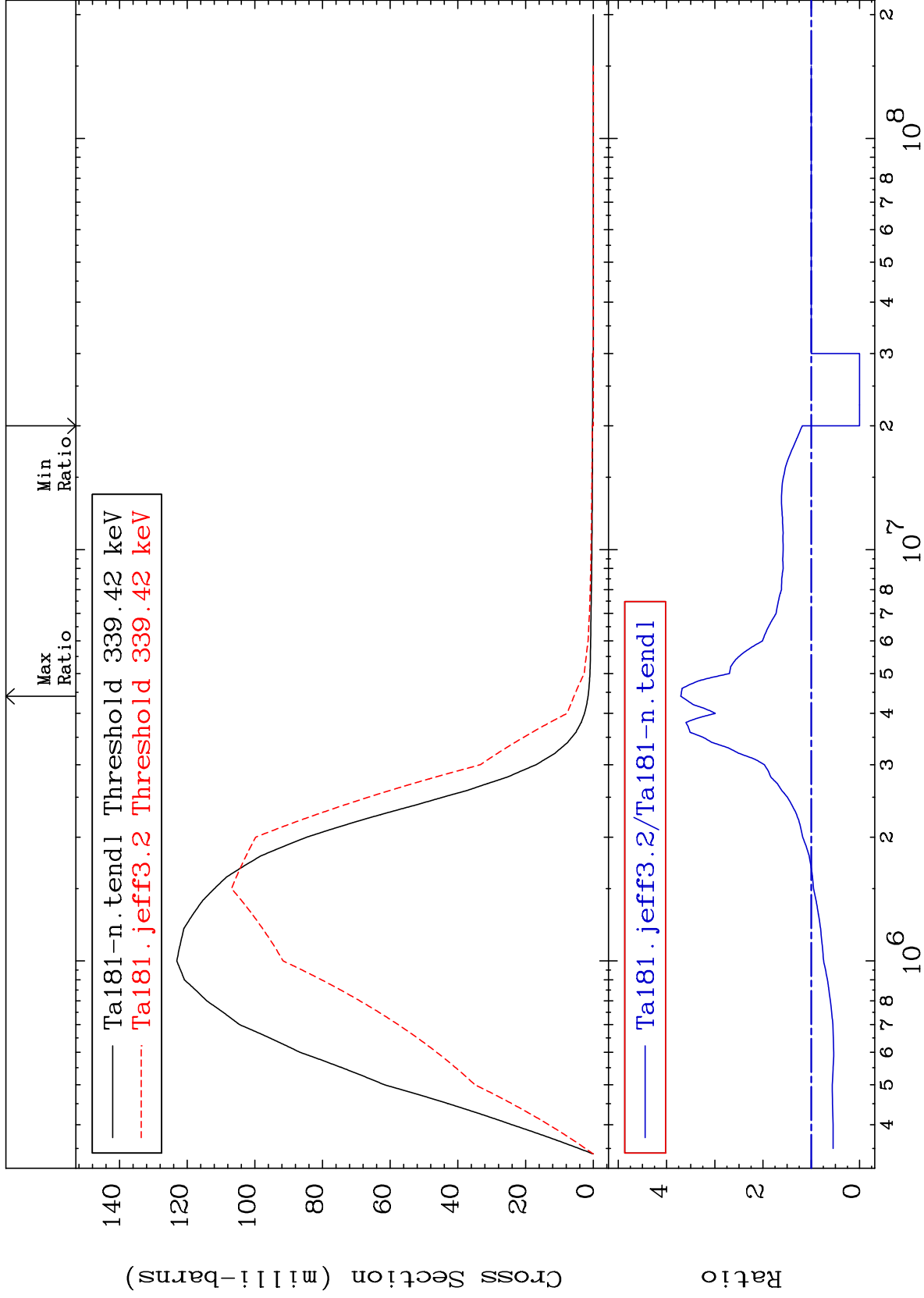
MAT 7328

337.5 keV (n,n') Level

<sup>73</sup>Ta-181

-100.0 To 270.5 %

Cross Section



15

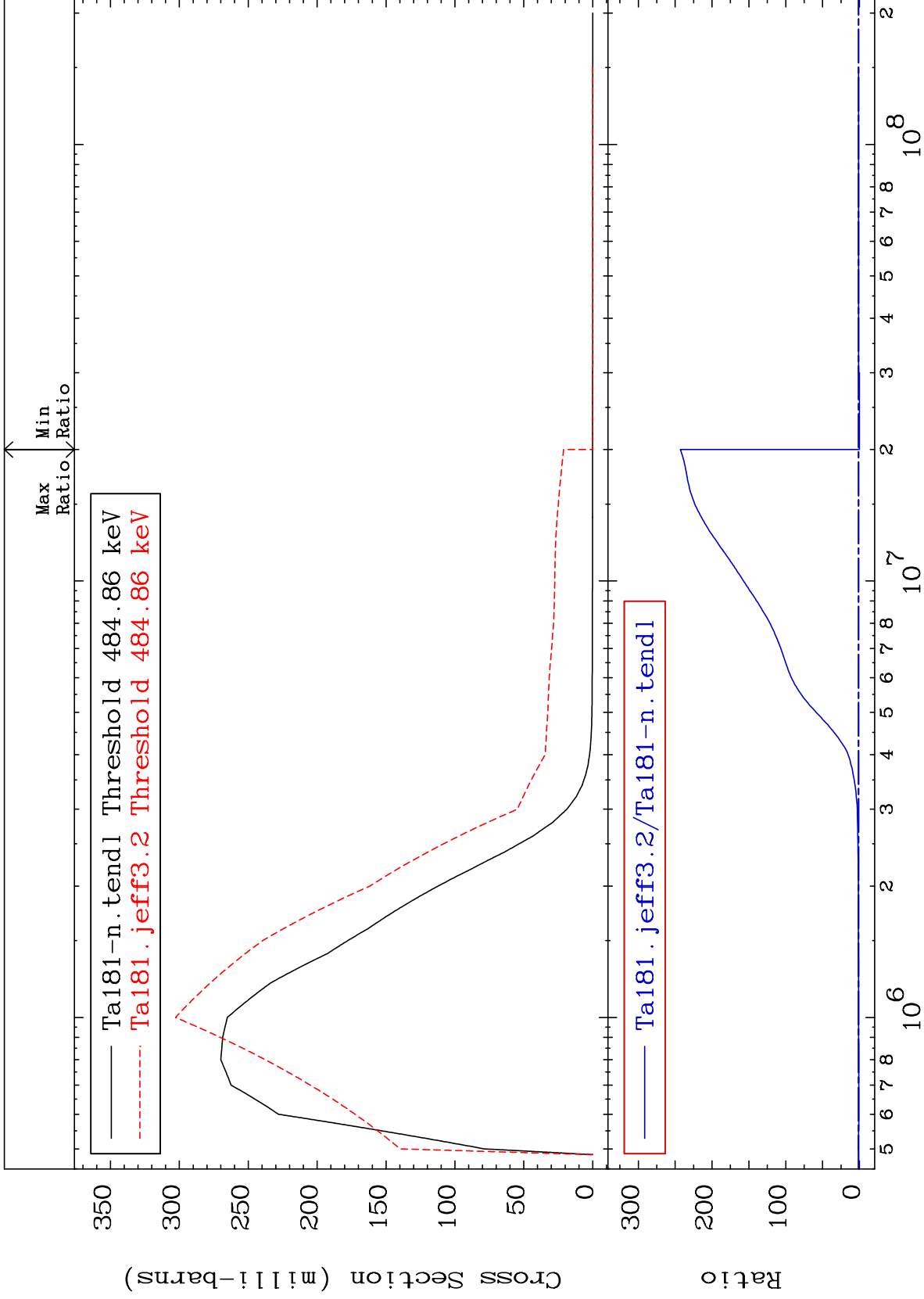
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

482.2 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 9999. %



16

Incident Energy (eV)

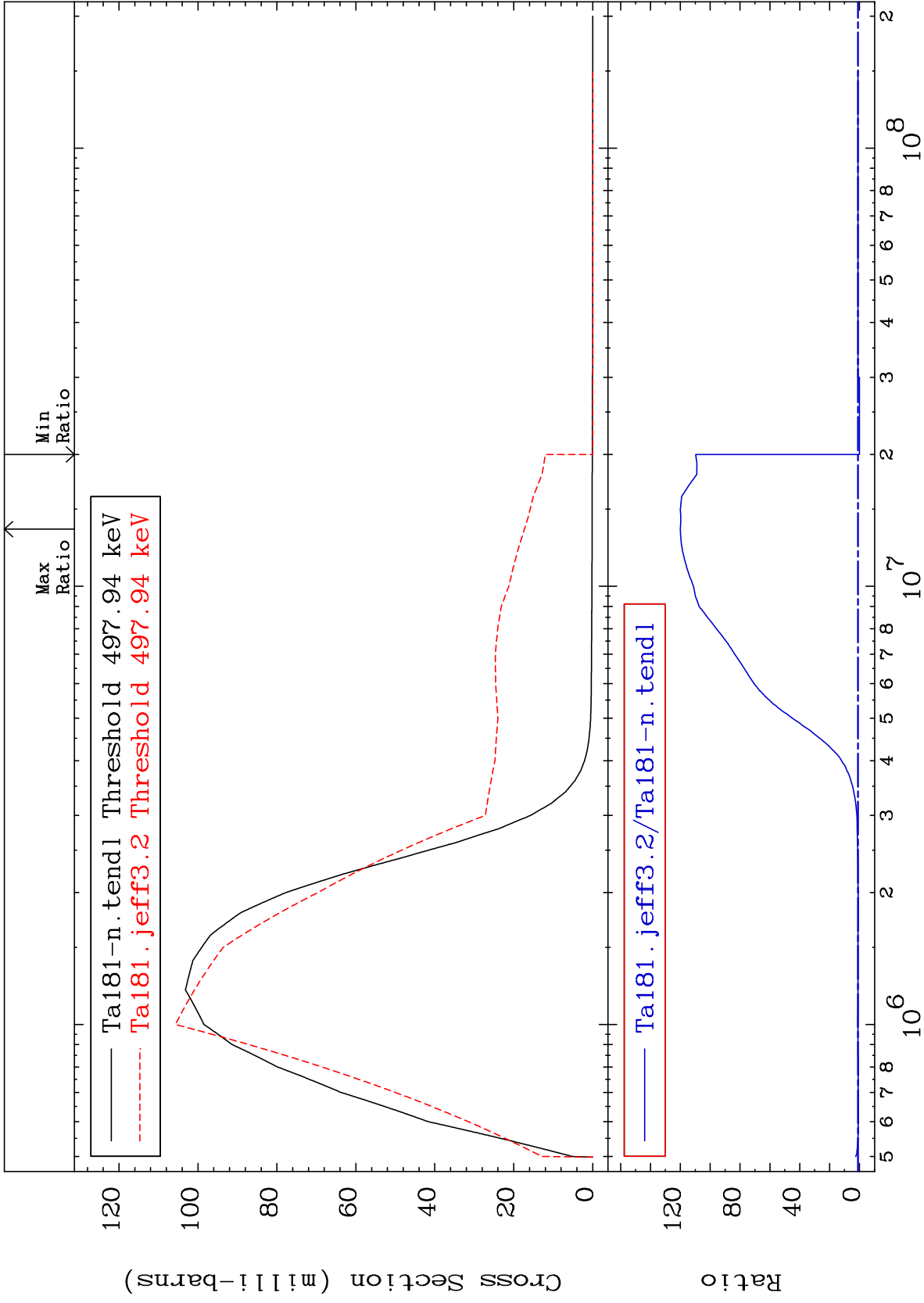
<sup>73</sup>Ta-<sup>181</sup>



MAT 7328

495.2 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 9999. %



17

Incident Energy (eV)

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

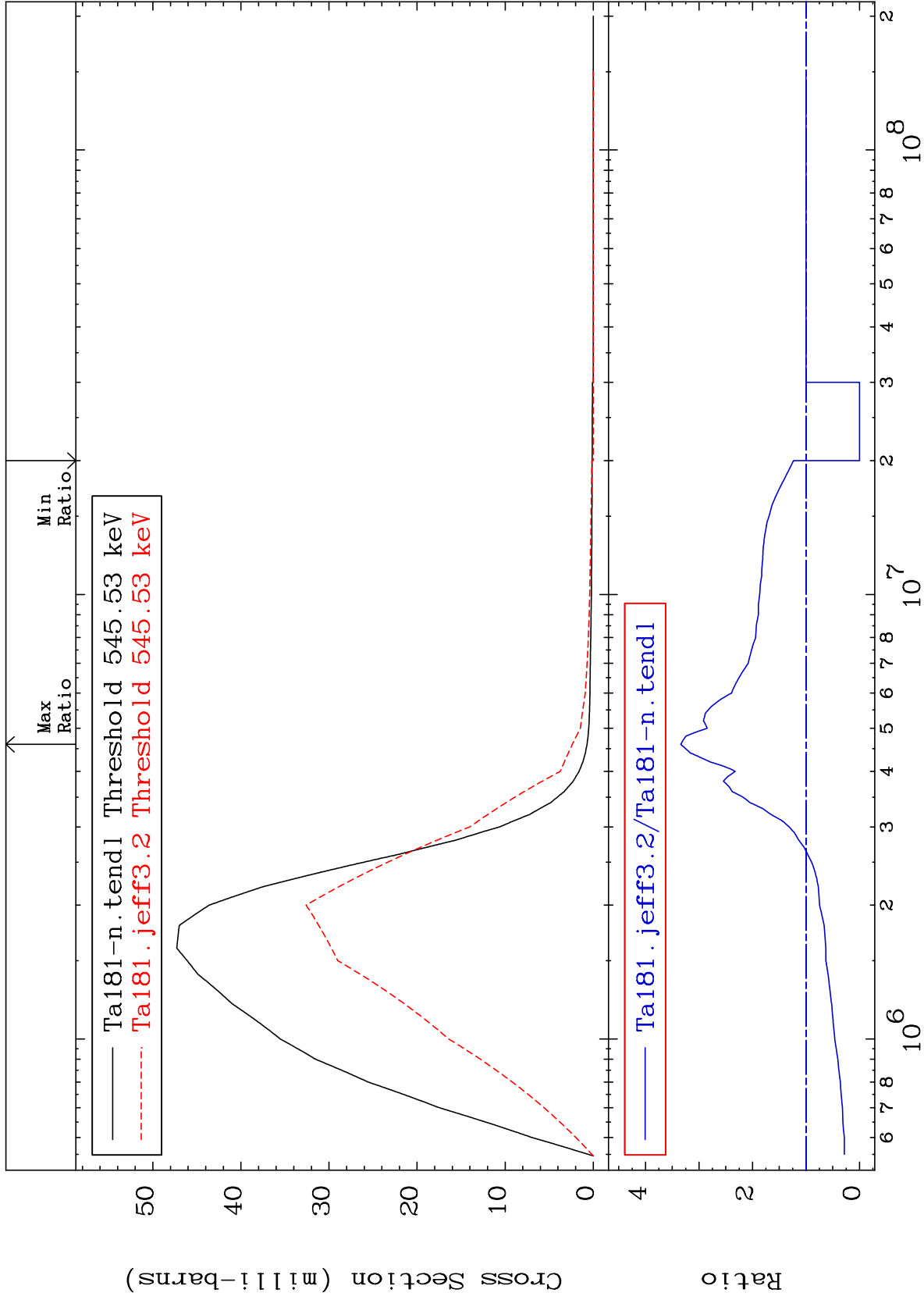
MAT 7328

542.5 keV (n,n') Level

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

-100.0 To 234.1 %

Cross Section



18

Incident Energy (eV)

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

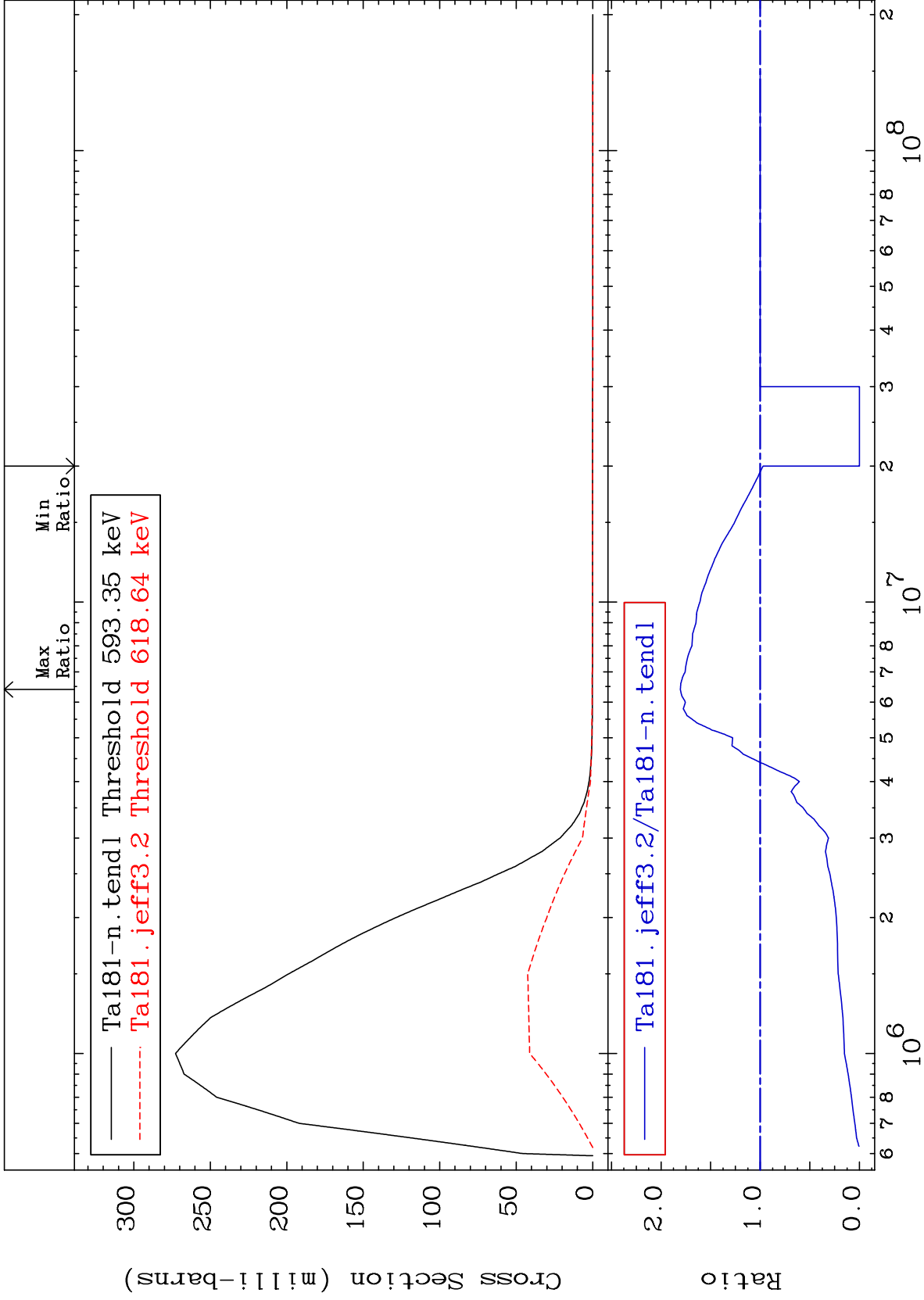
MAT 7328

590.1 keV (n,n') Level

<sup>73</sup>Ta-181

-100.0 To 80.54 %

Cross Section



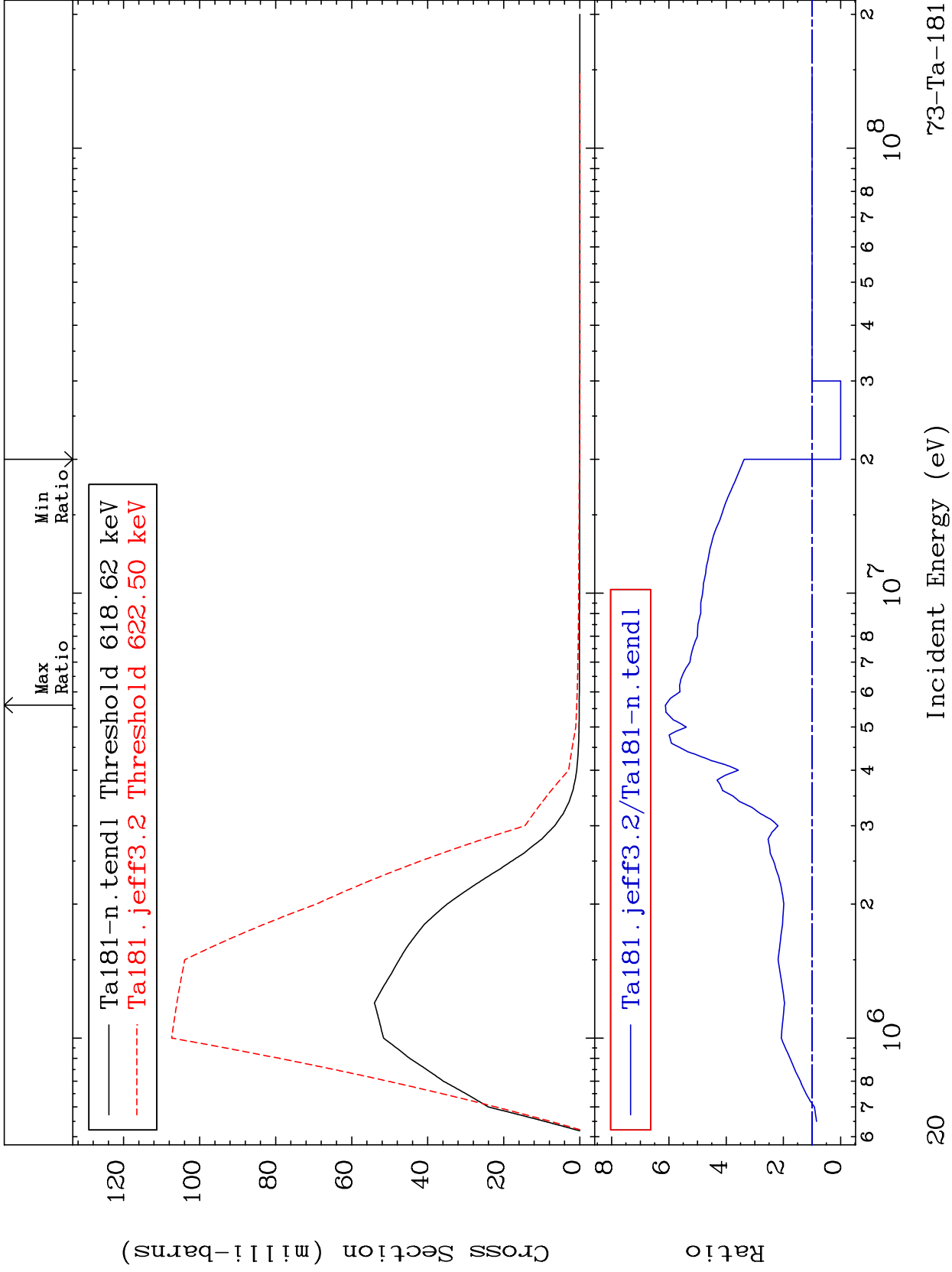
MAT 7328

615.2 keV (n,n') Level

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

-100.0 To 511.9 %

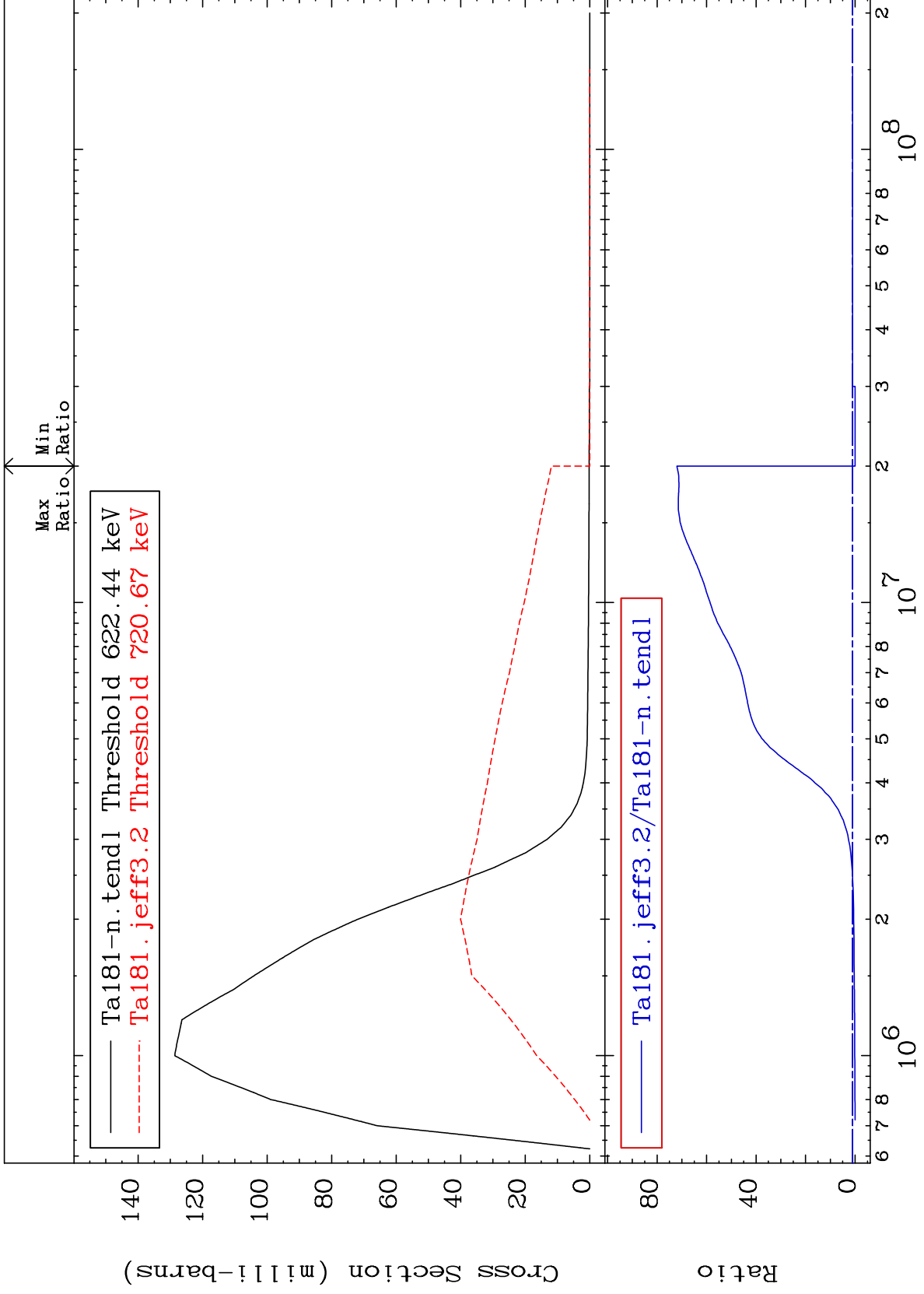
Cross Section



MAT 7328

619.0 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 7099. %



21

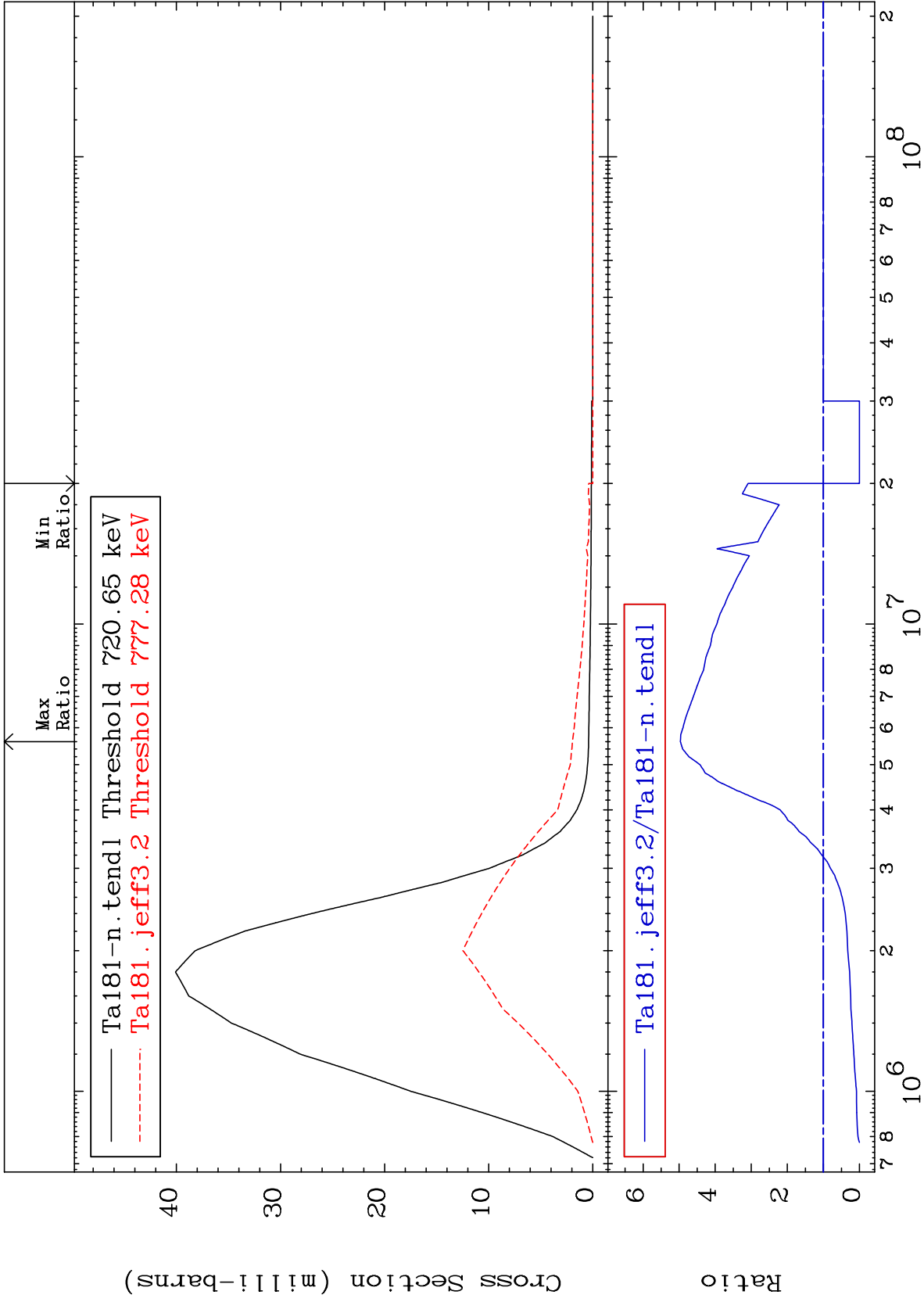
Incident Energy (eV)

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

MAT 7328

716.7 keV (n,n') Level  
Cross Section

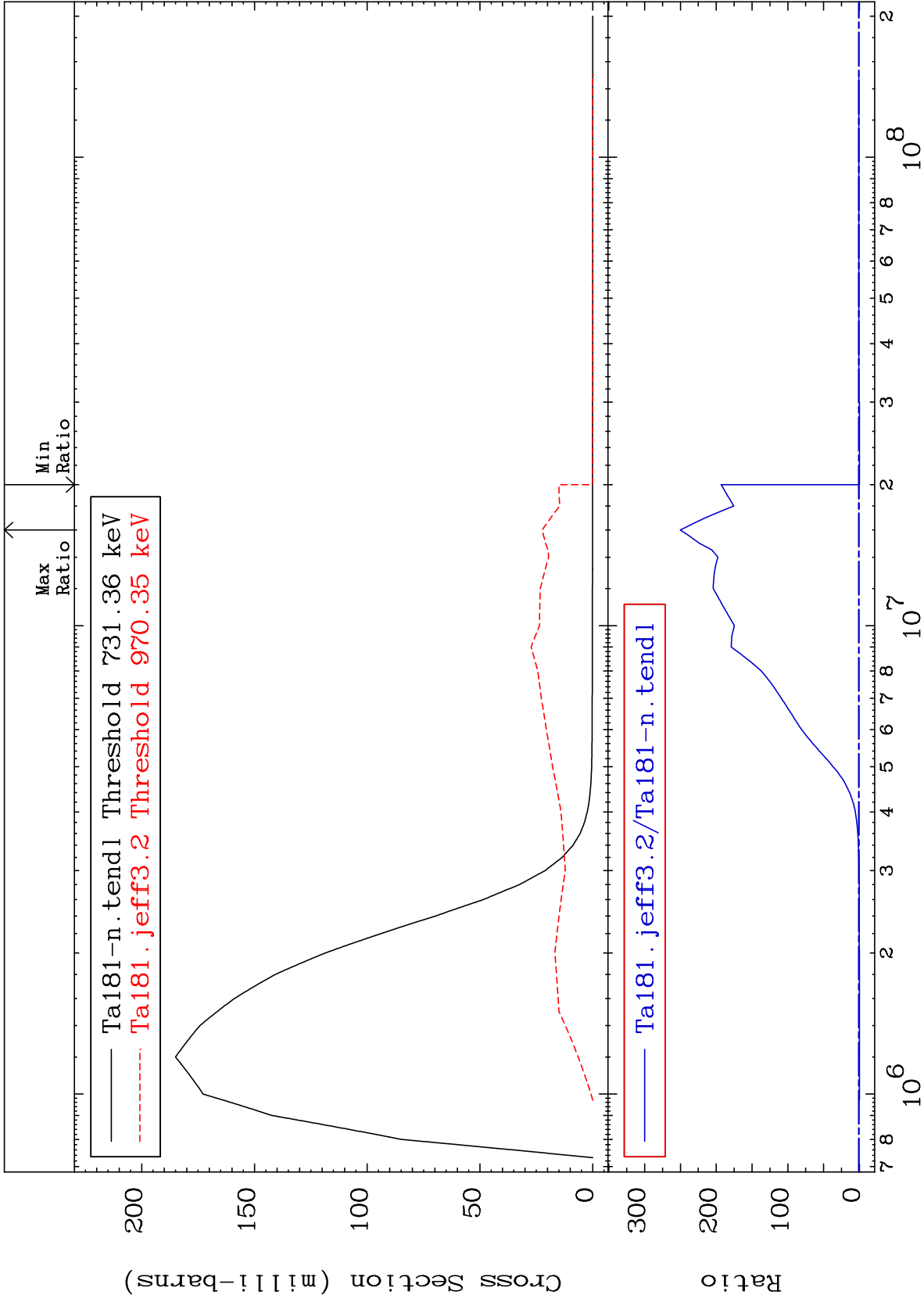
<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 396.7 %



MAT 7328

727.3 keV (n,n') Level  
Cross Section

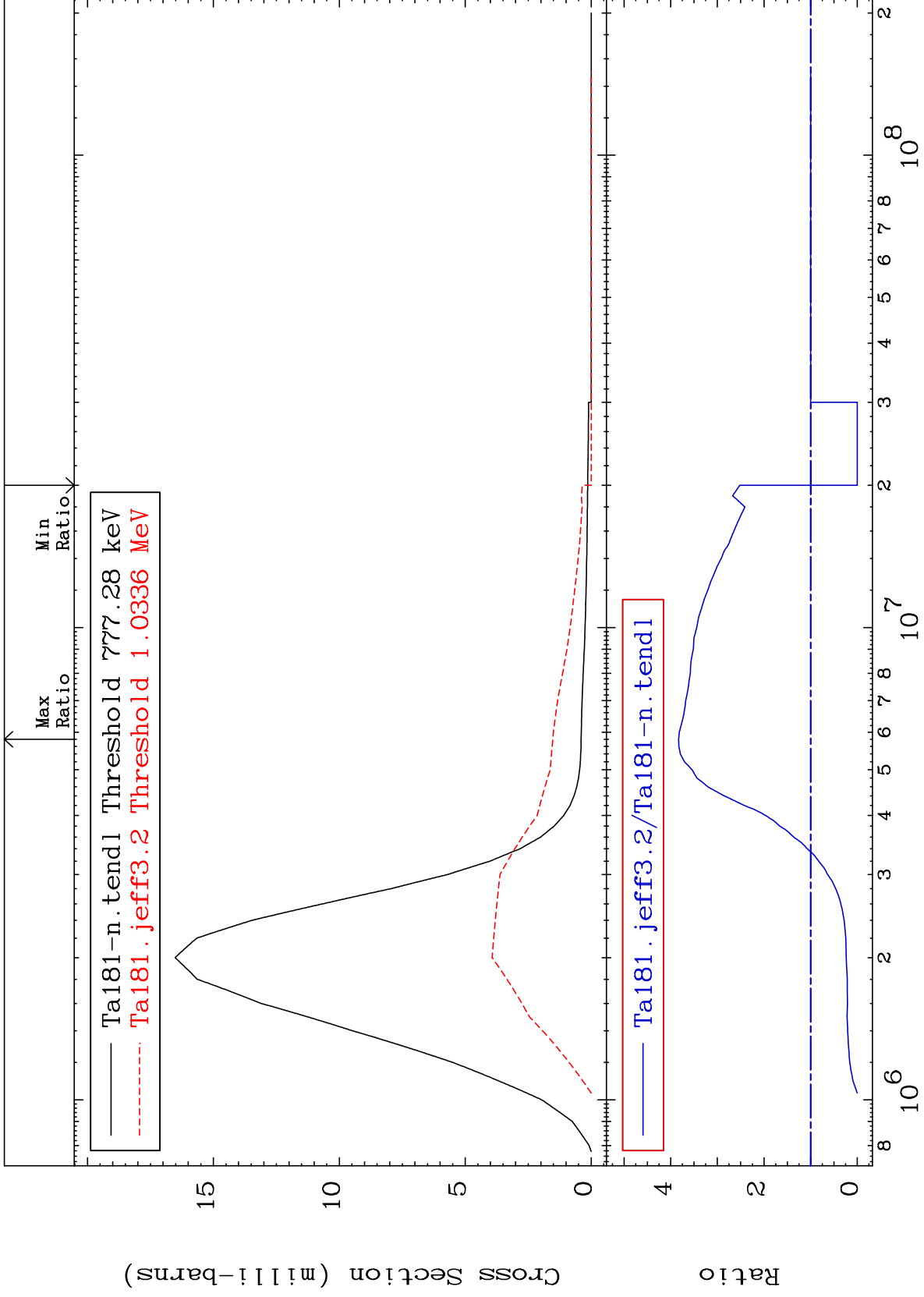
73-Ta-181  
-100.0 To 9999. %



MAT 7328

773.0 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 283.0 %



24

Incident Energy (eV)

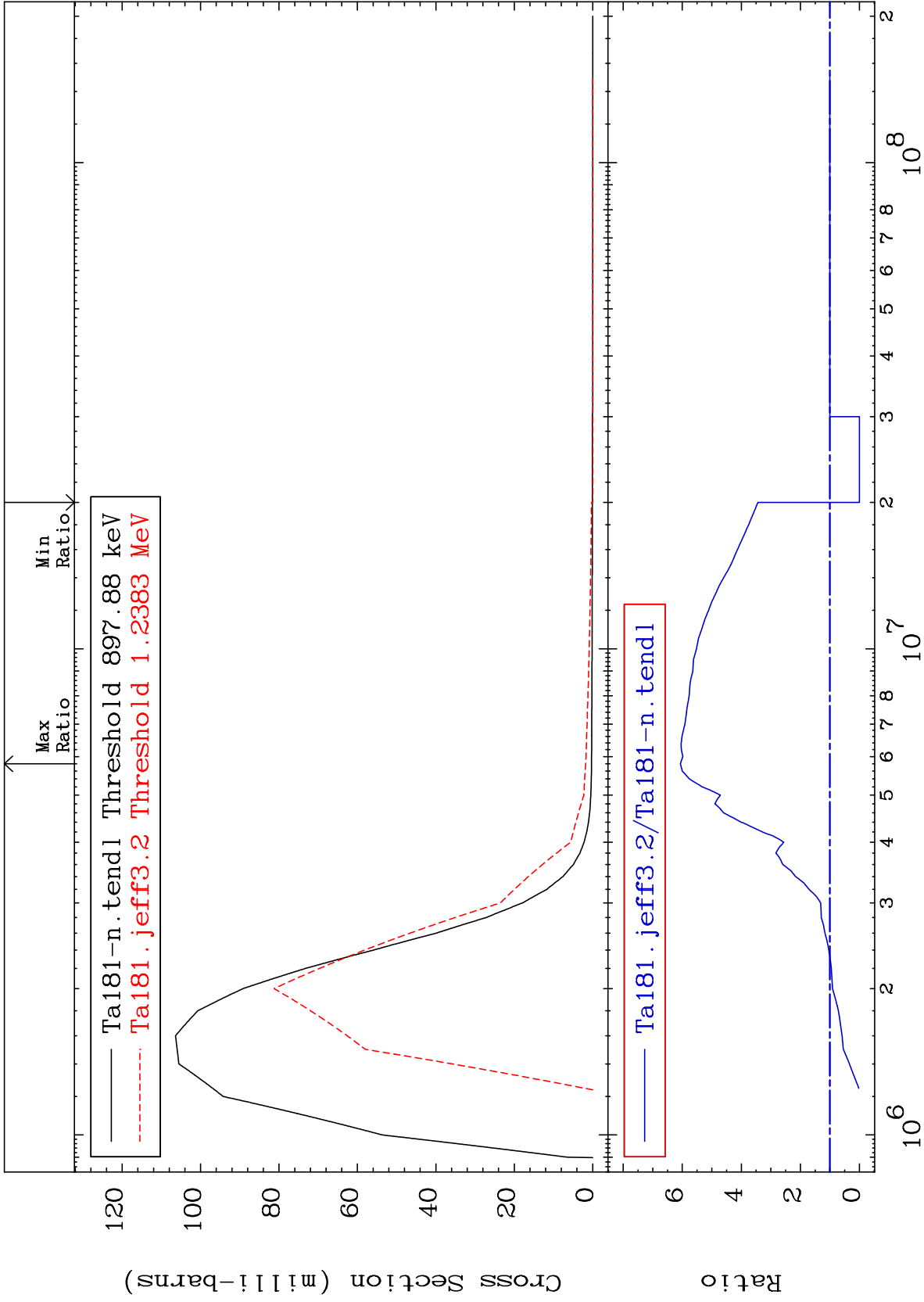
<sup>73</sup>Ta-<sup>181</sup>Ta



MAT 7328

892.9 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 506.5 %



25

Incident Energy (eV)

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

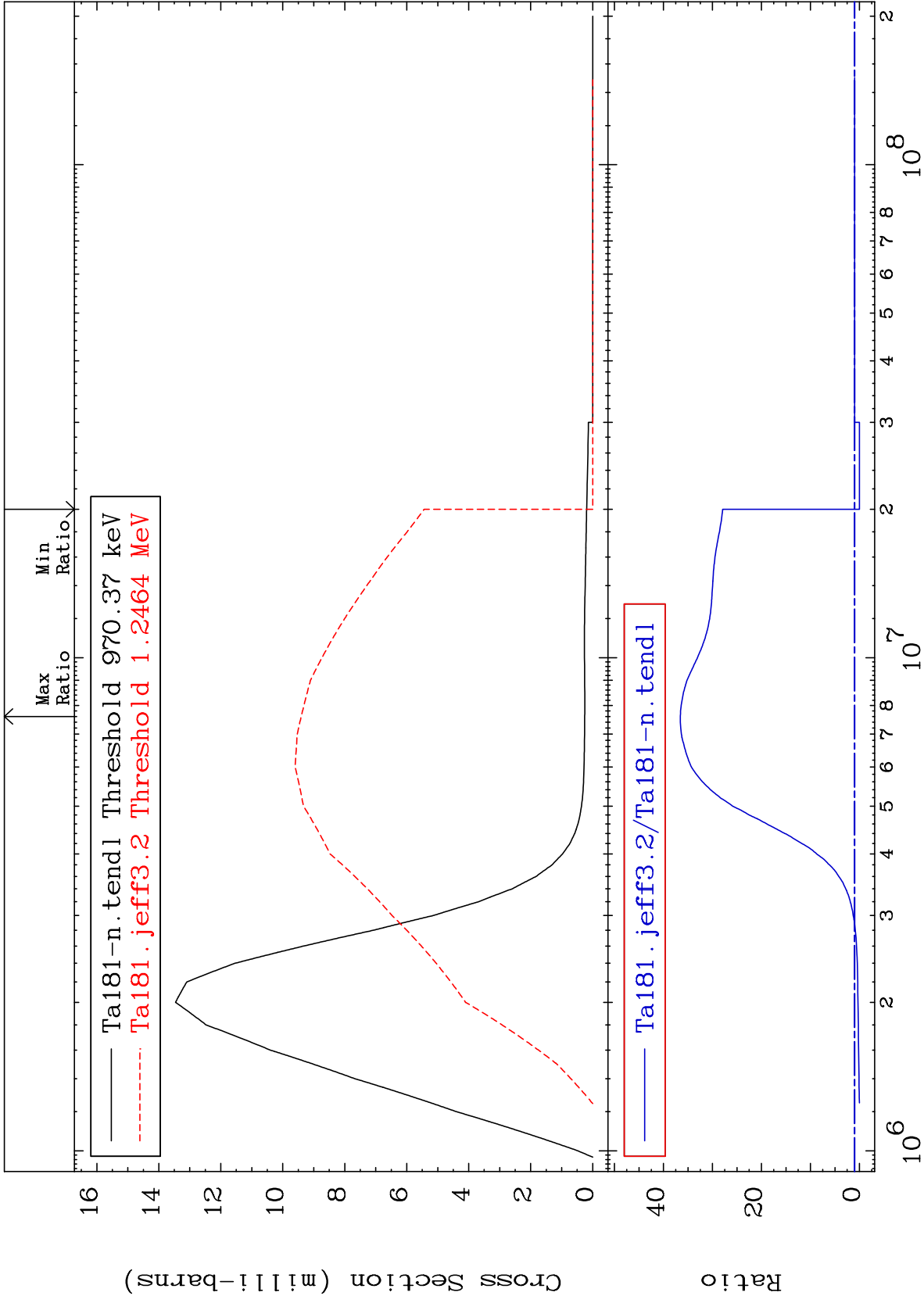
MAT 7328

965.0 keV (n,n') Level

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

-100.0 To 3556. %

Cross Section

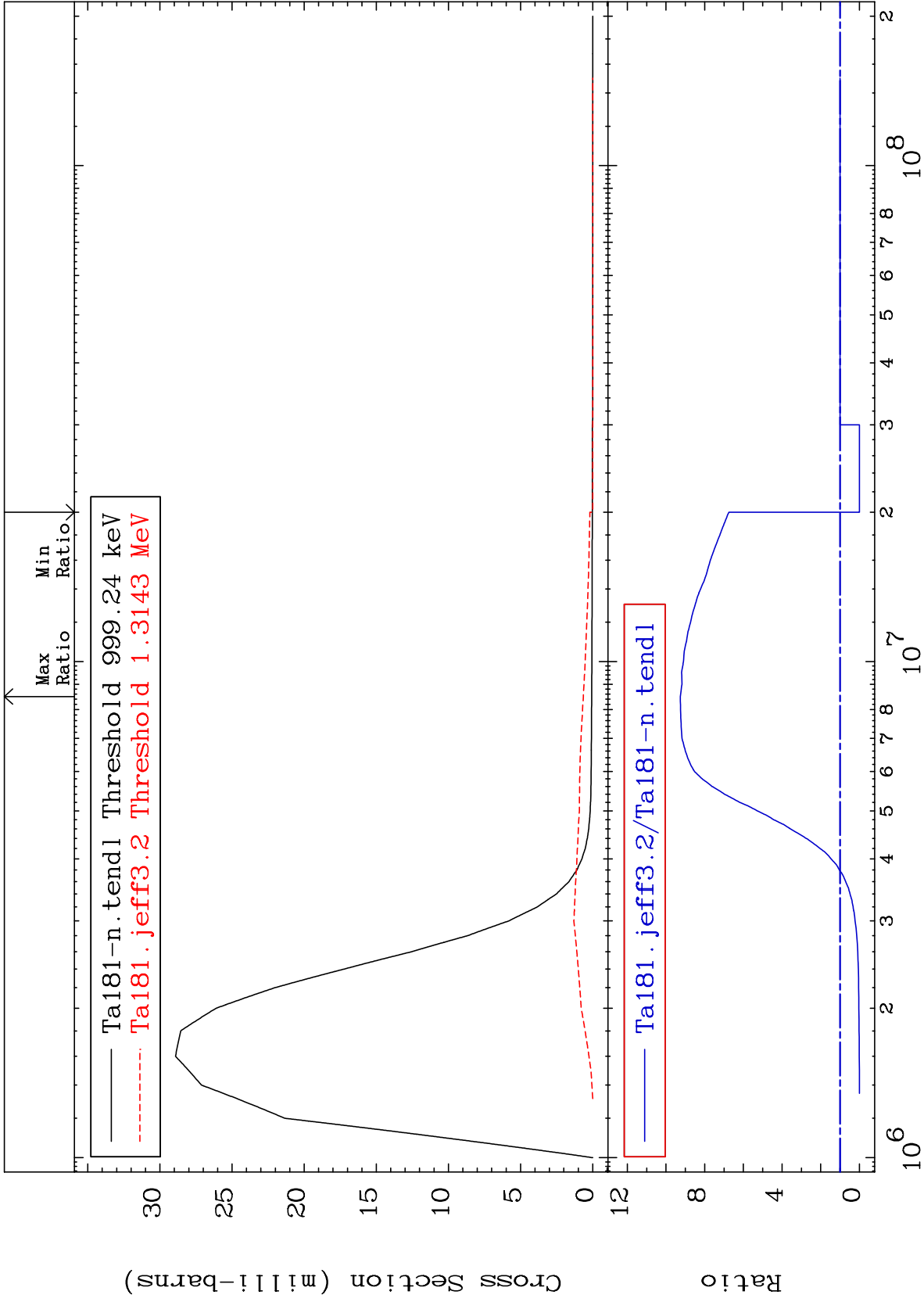


26

MAT 7328

993.7 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 825.7 %



27

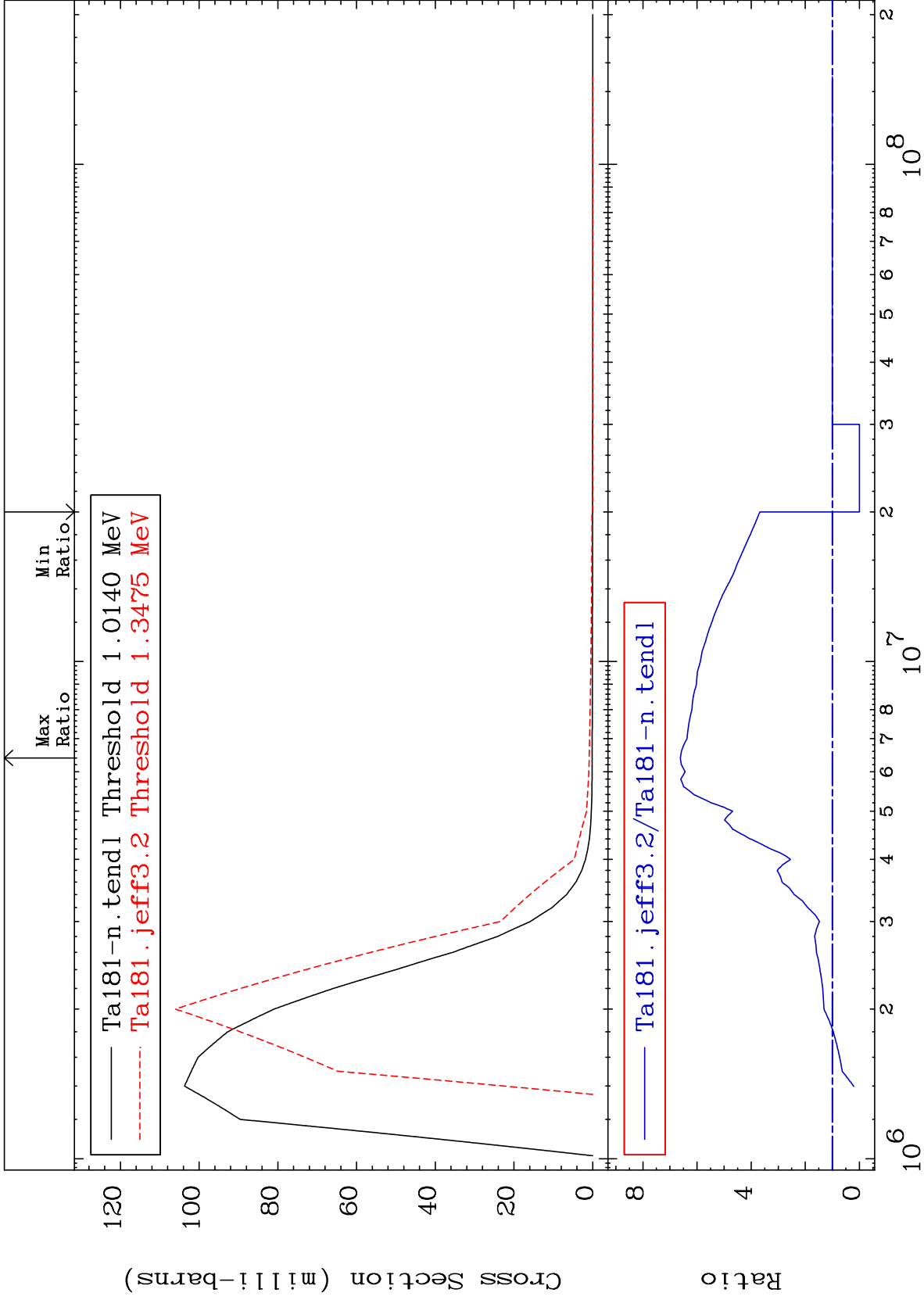
Incident Energy (eV)

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

MAT 7328

1.008 MeV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 561.6 %



28

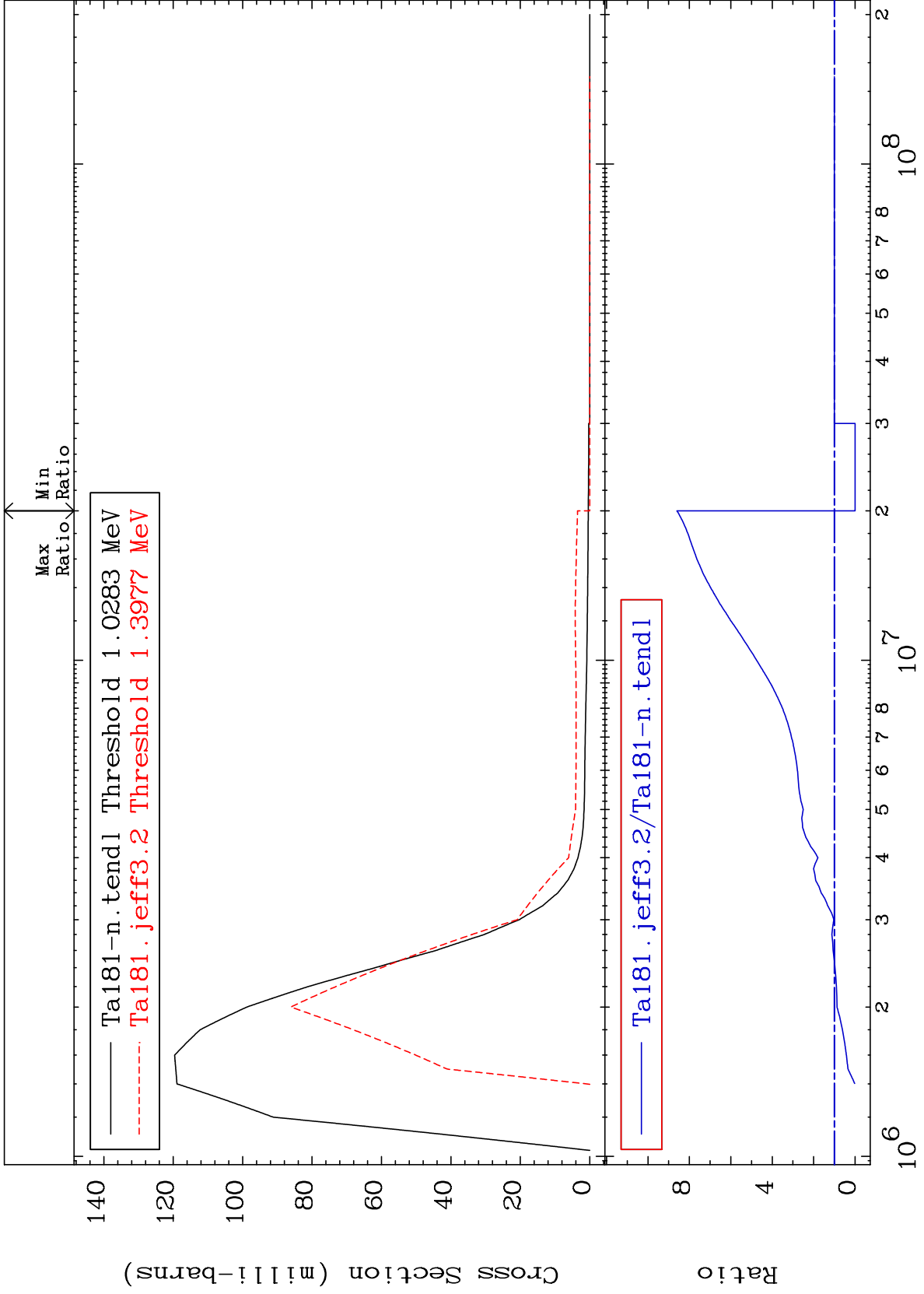
Incident Energy (eV)

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

MAT 7328

1.023 MeV (n,n') Level  
Cross Section

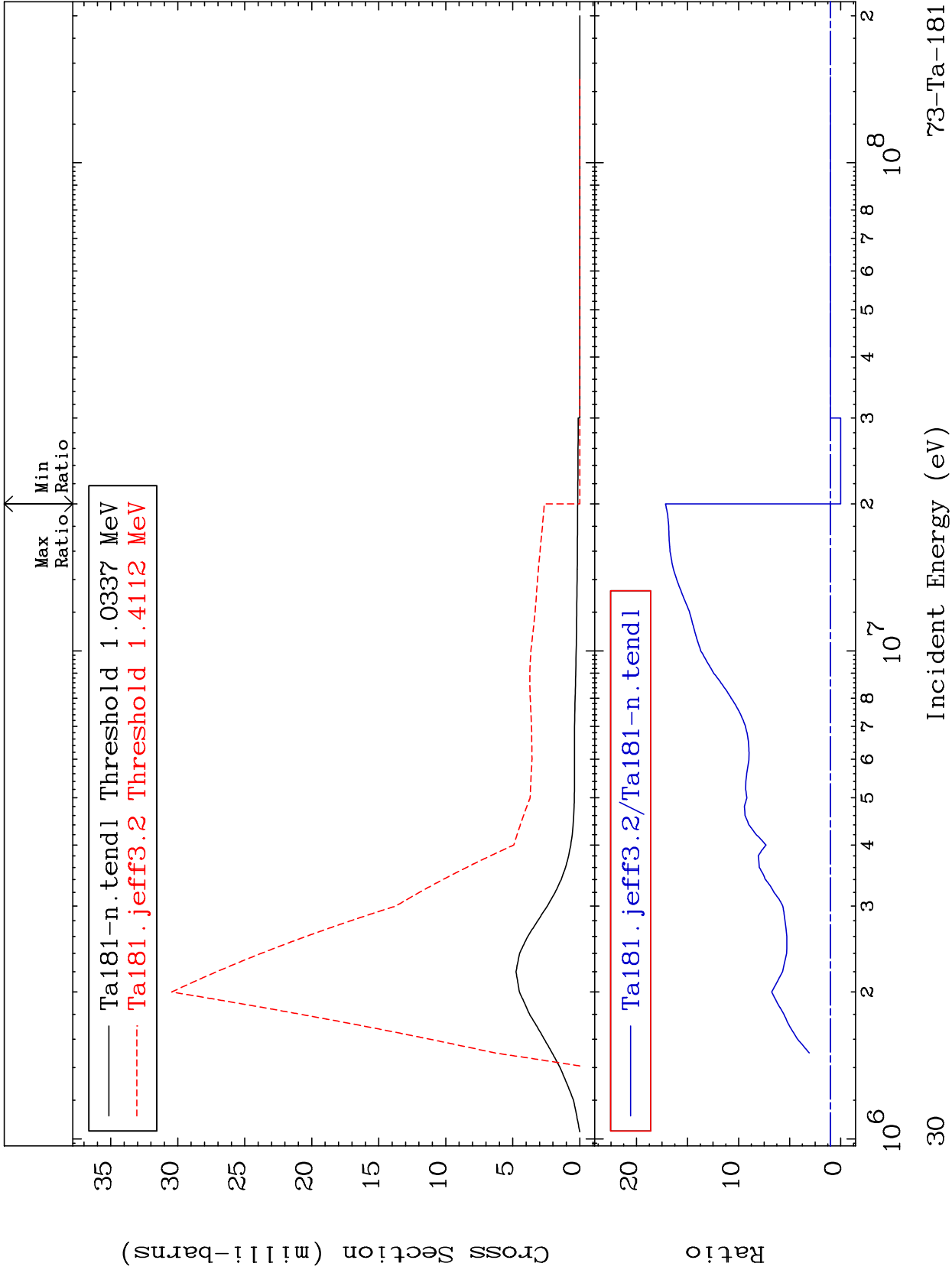
<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 760.2 %



MAT 7328

1.028 MeV (n,n') Level  
Cross Section

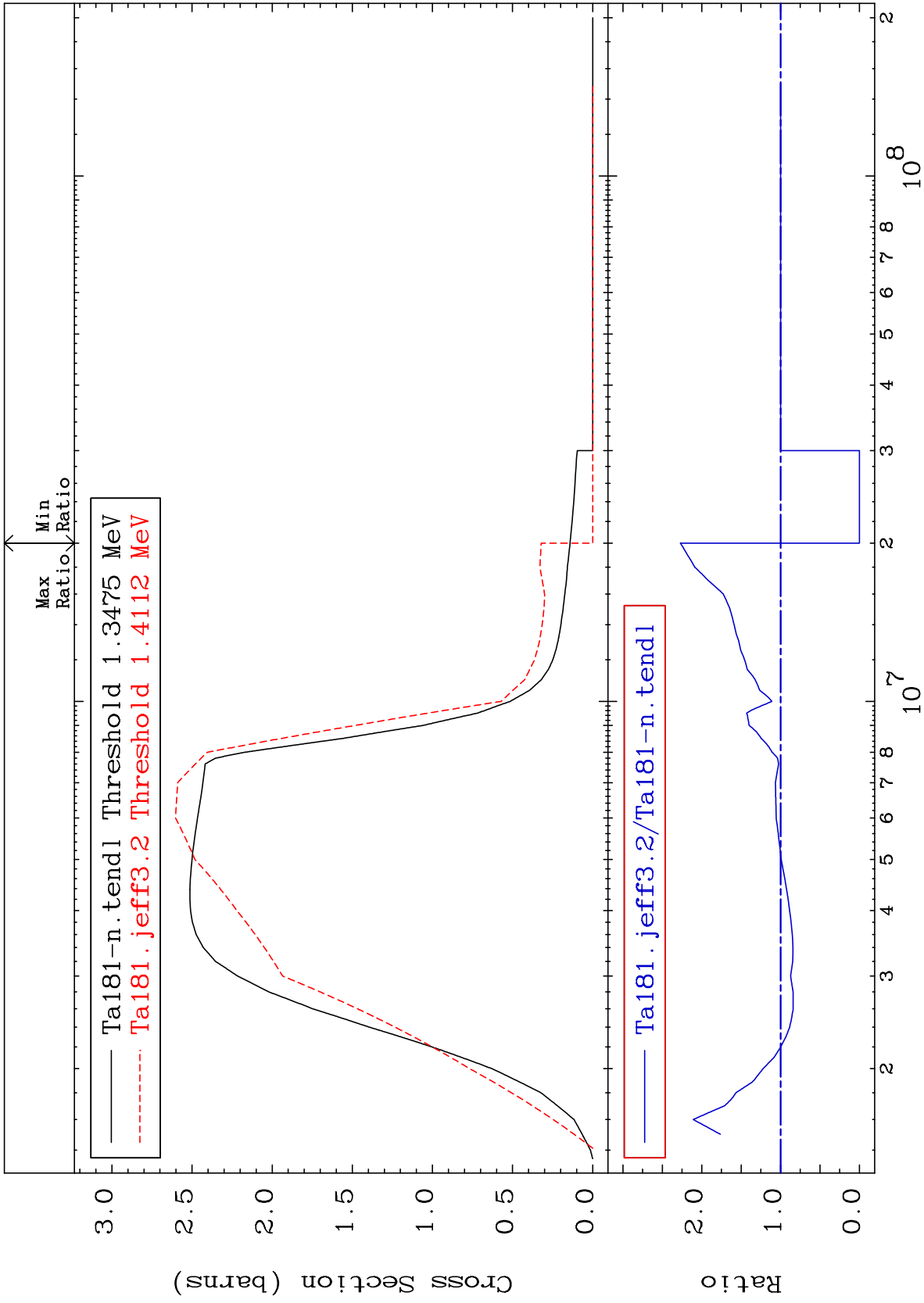
<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 1616. %



MAT 7328

(n, n') Continuum  
Cross Section

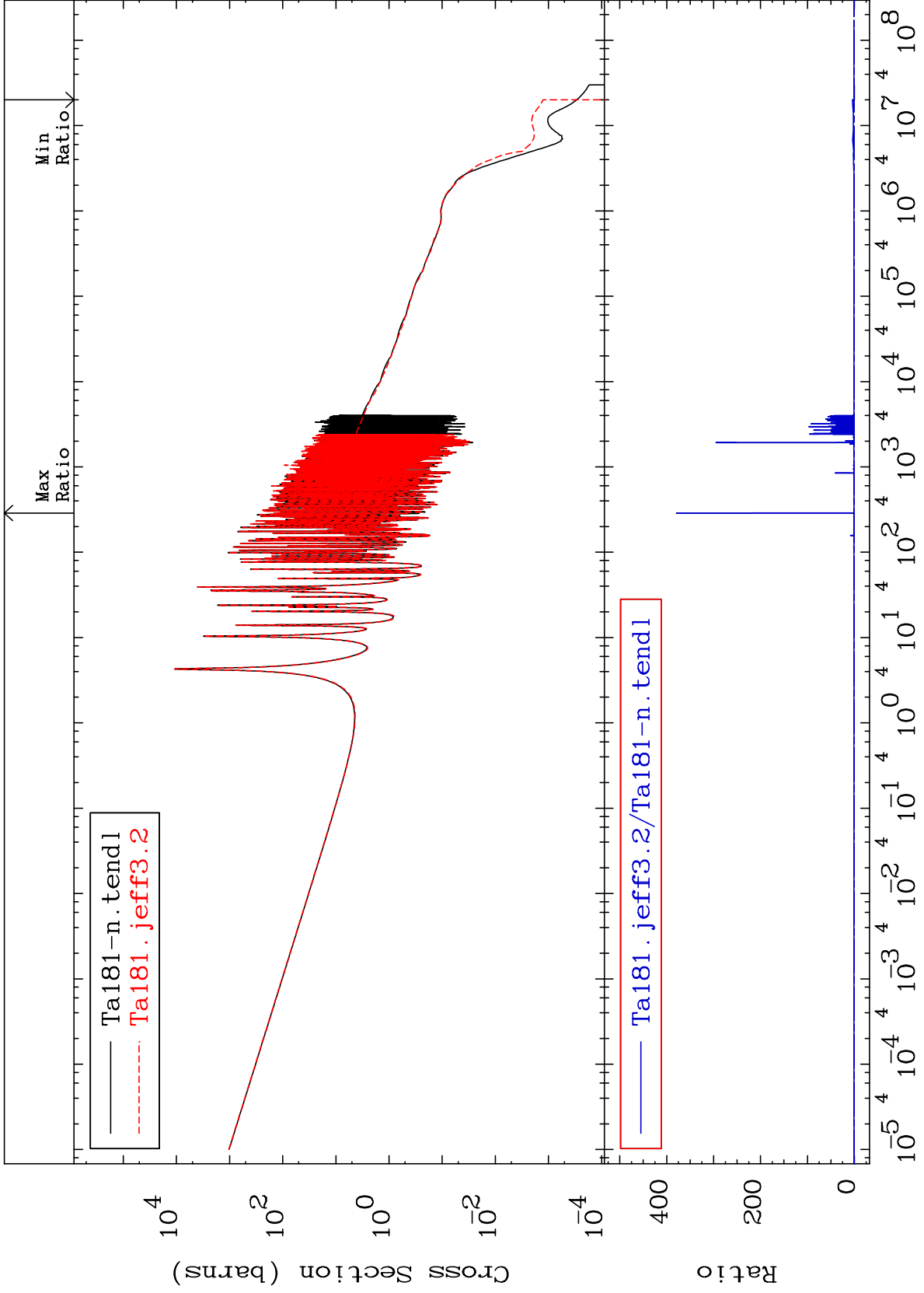
<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 127.1 %



MAT 7328

(n,  $\gamma$ )  
Cross Section

73-Ta-181  
-100.0 To 9999. %





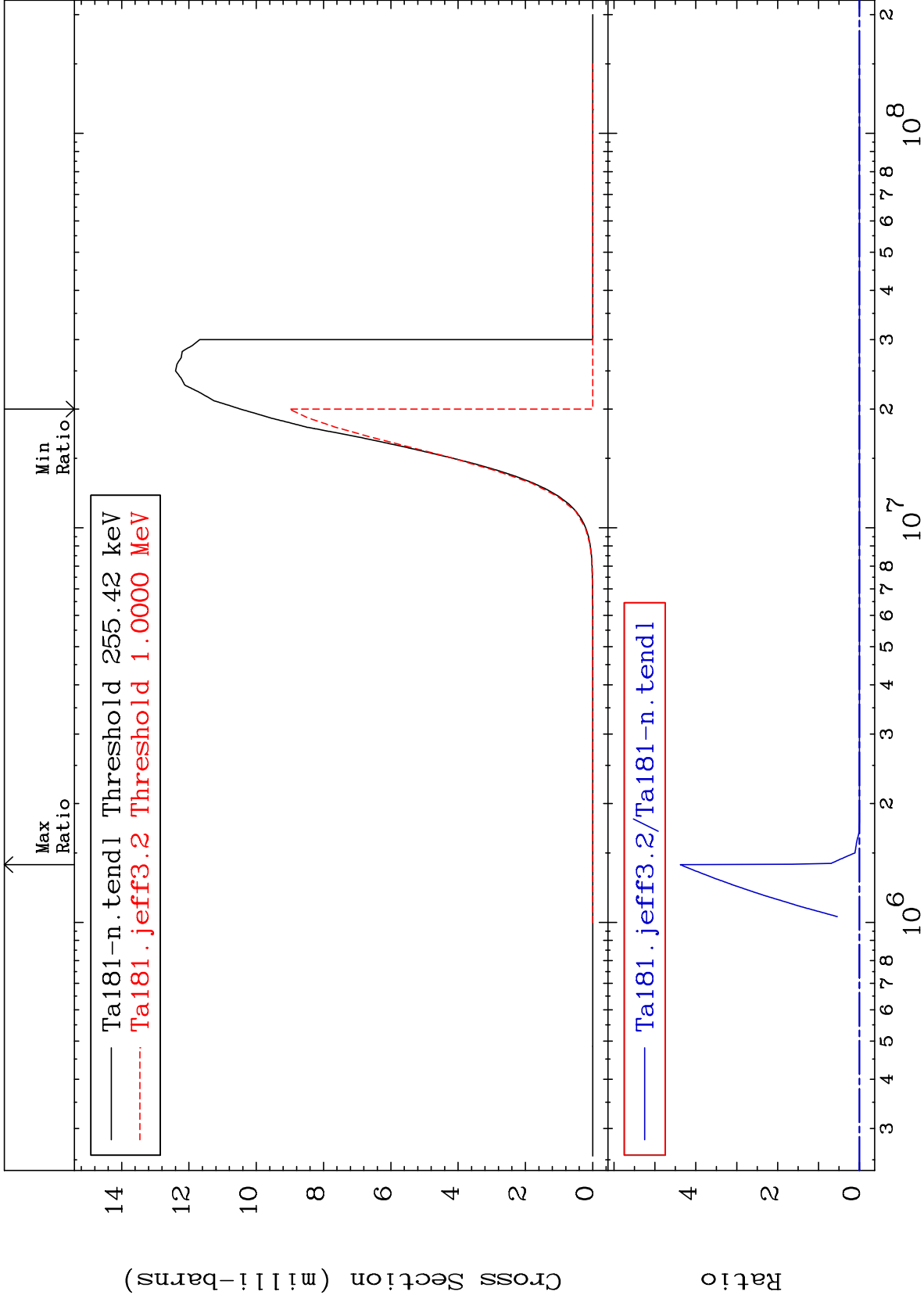
MAT 7328

(n, p)

<sup>73</sup>Ta-181

Cross Section

-100.0 To 9999. %



33

Incident Energy (eV)

<sup>73</sup>Ta-181

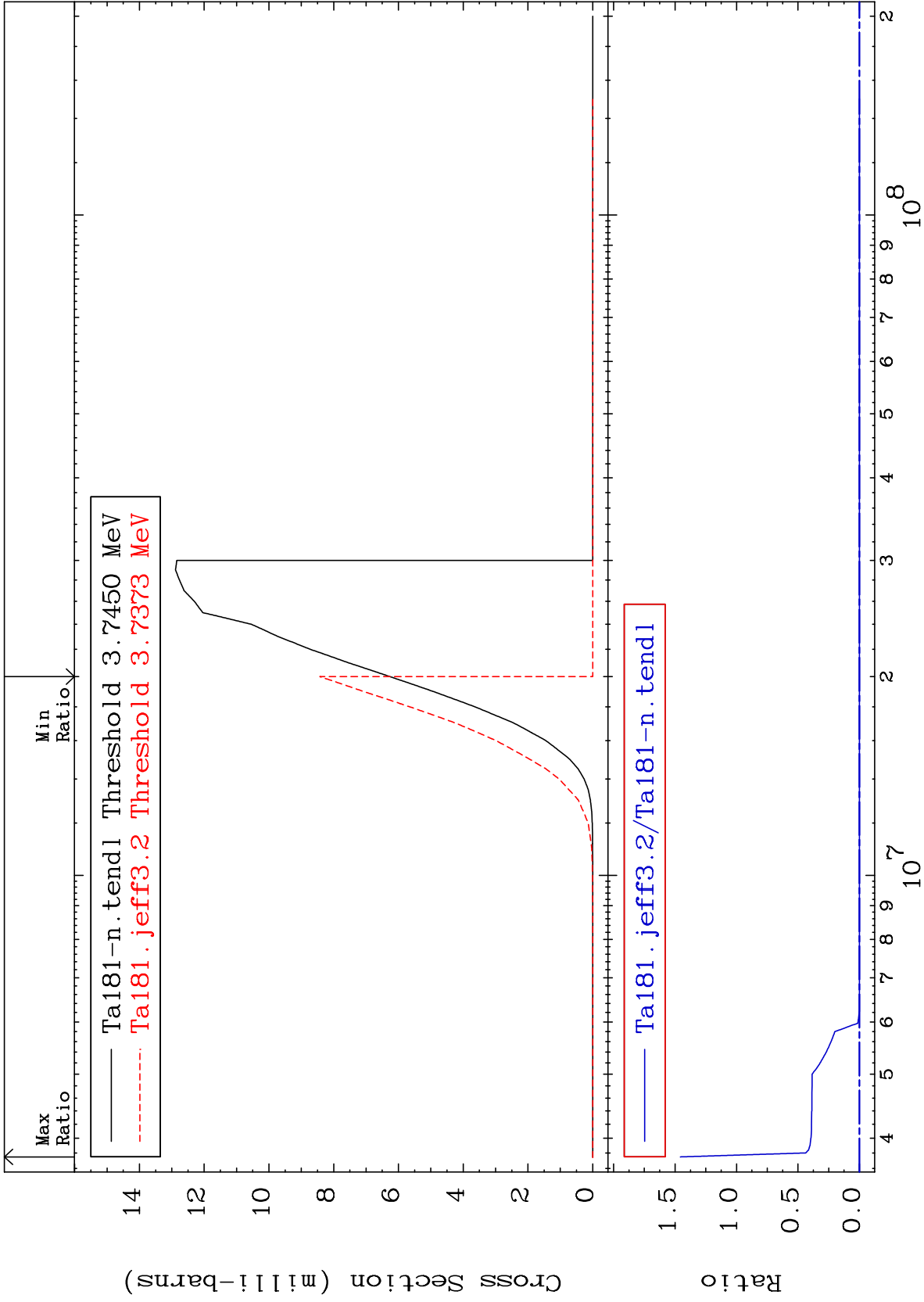
MAT 7328

(n, d)

<sup>73</sup>Ta-181

Cross Section

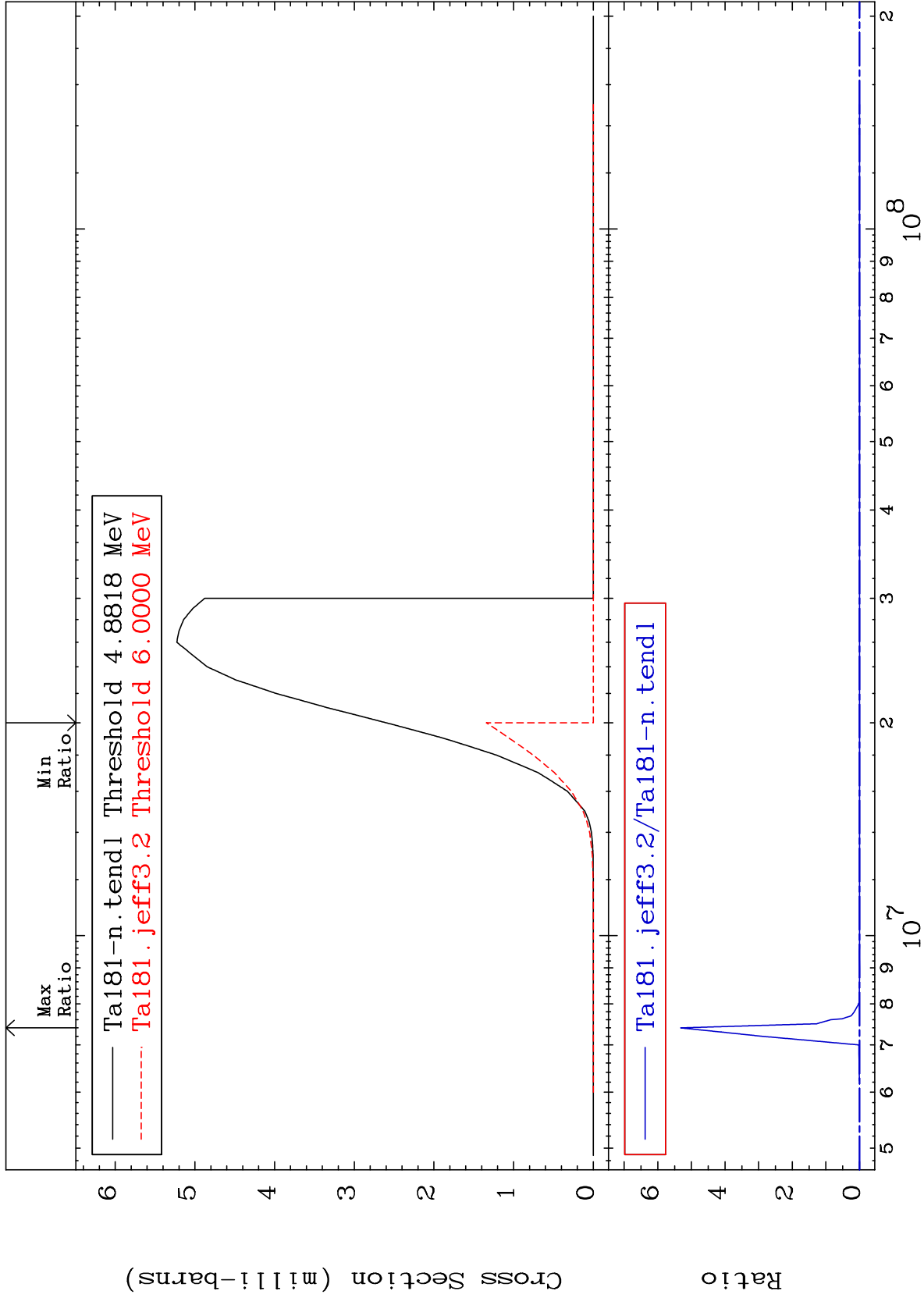
-100.0 To 9999. %



MAT 7328

(n, t)  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 9999. %



35

Incident Energy (eV)

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

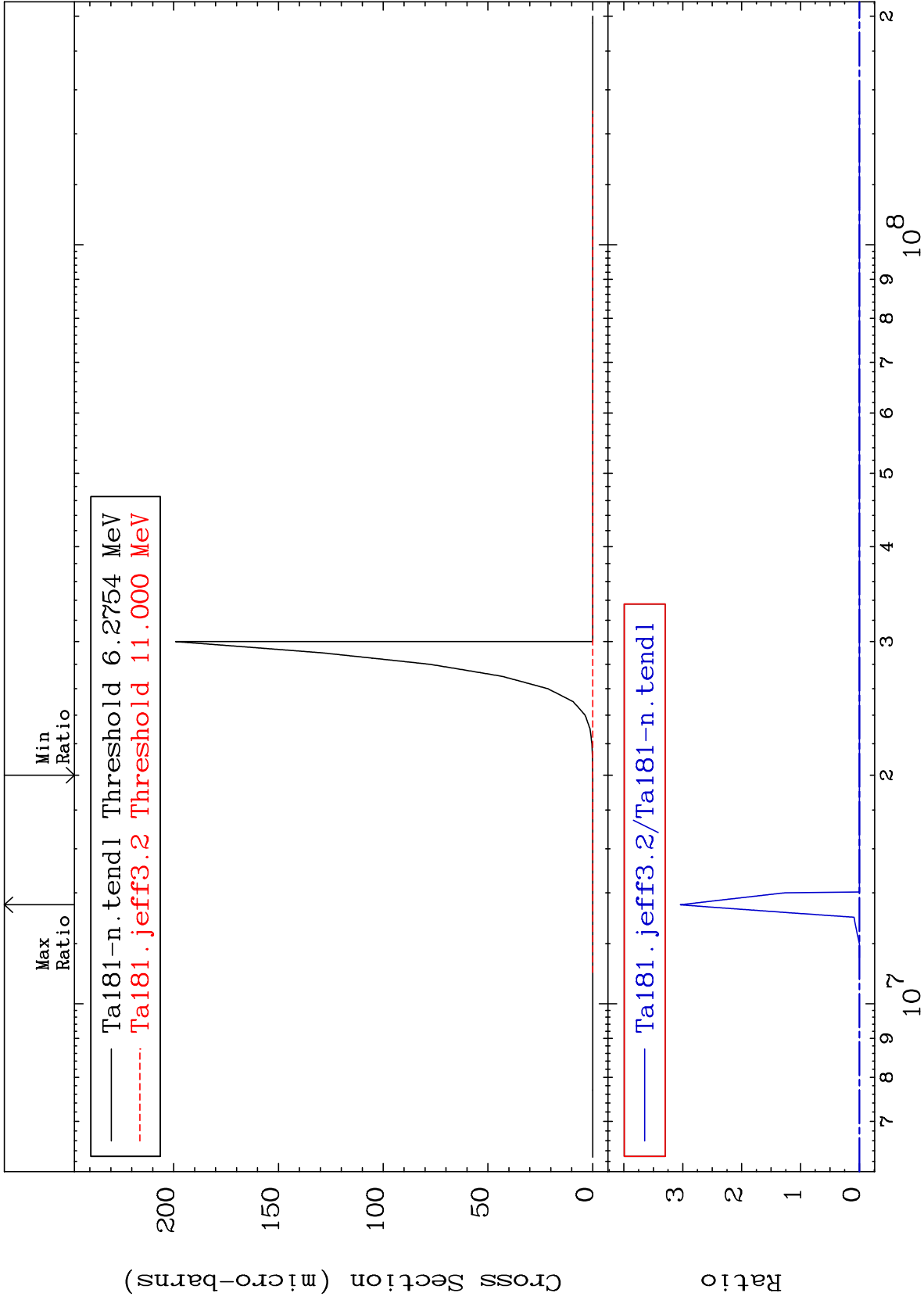
MAT 7328

(n, He-3)

<sup>73</sup>Ta-181

Cross Section

-100.0 To 9999. %



36

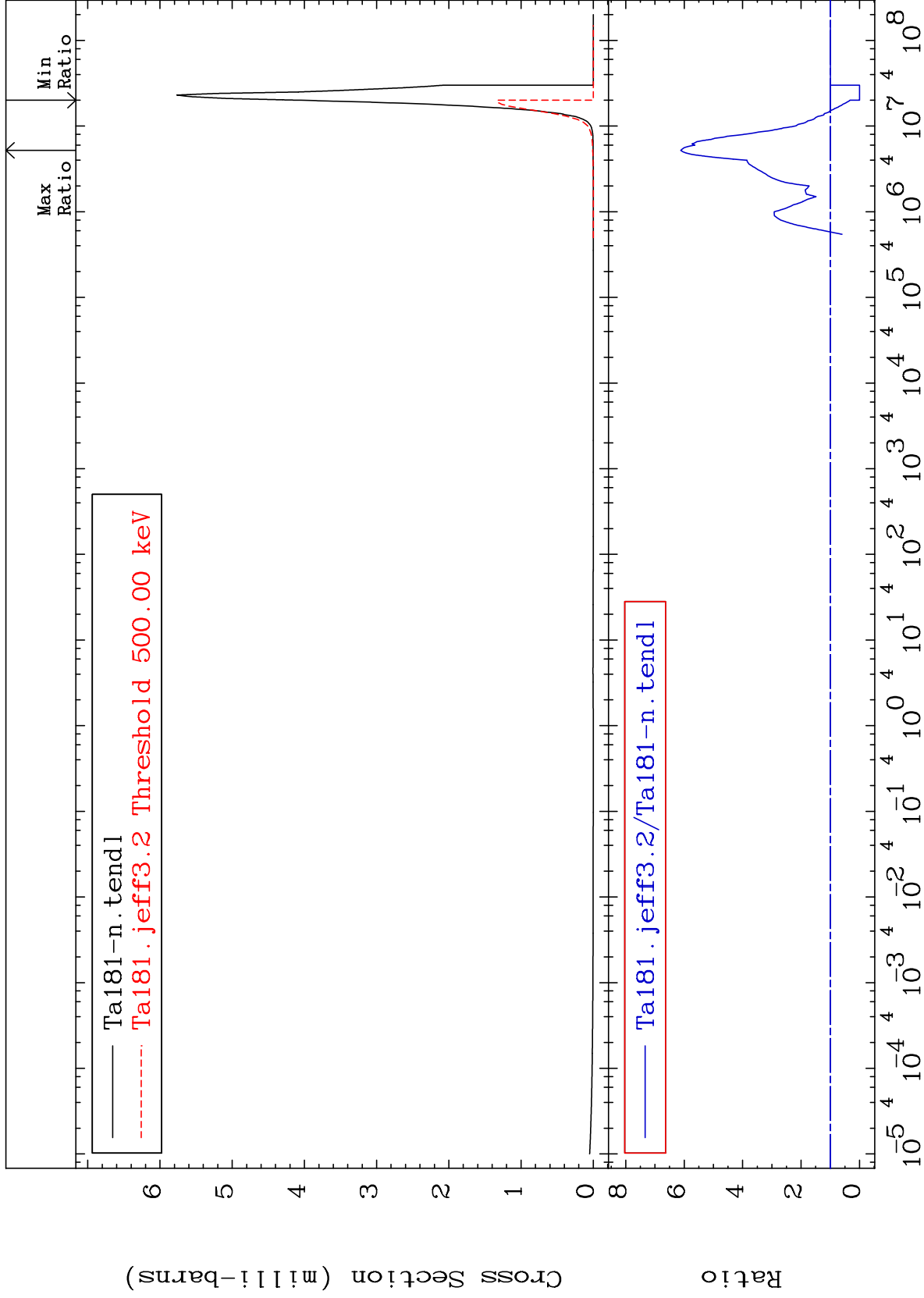
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

(n,  $\alpha$ )  
Cross Section

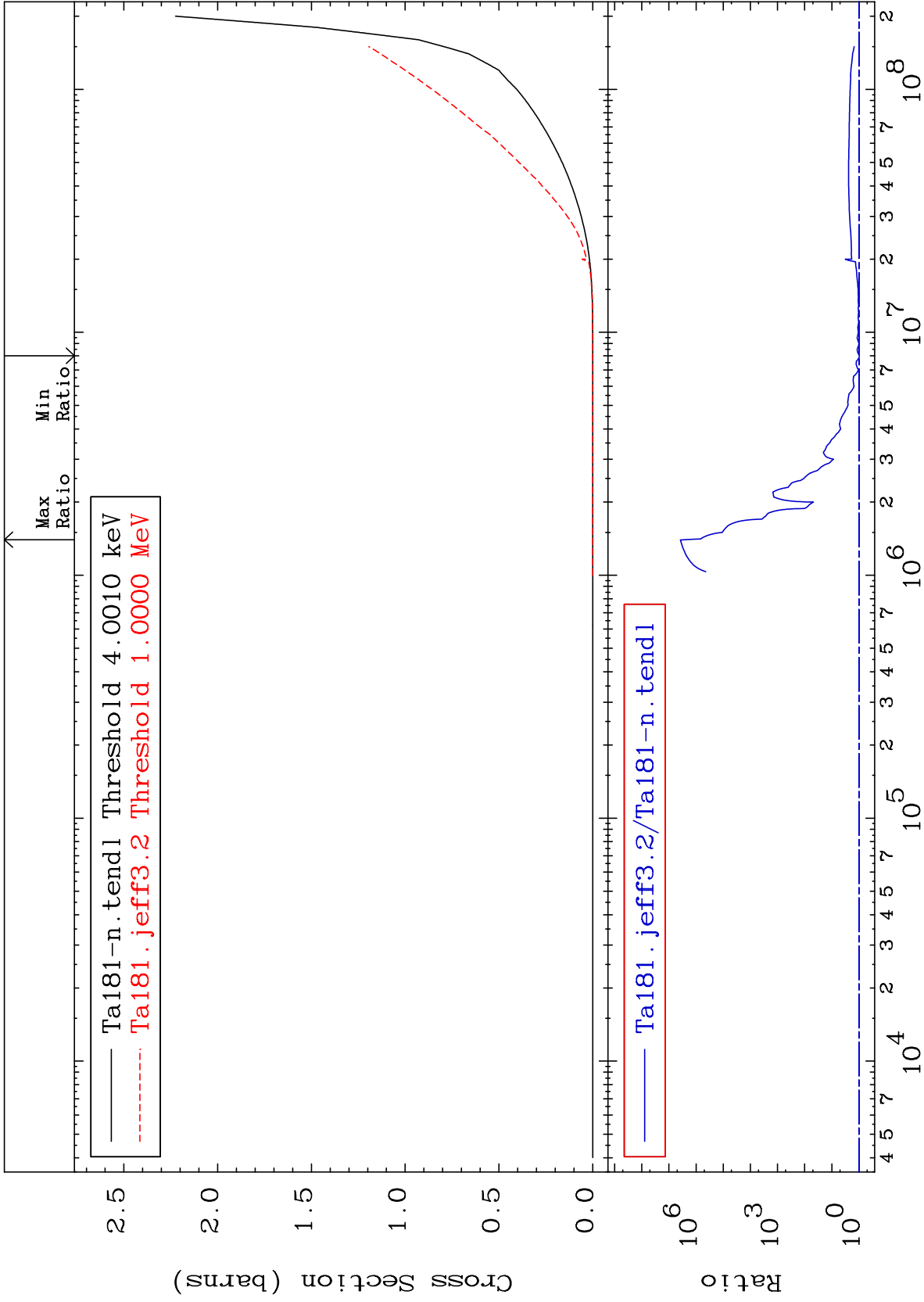
<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 511.7 %



37

Incident Energy (eV)

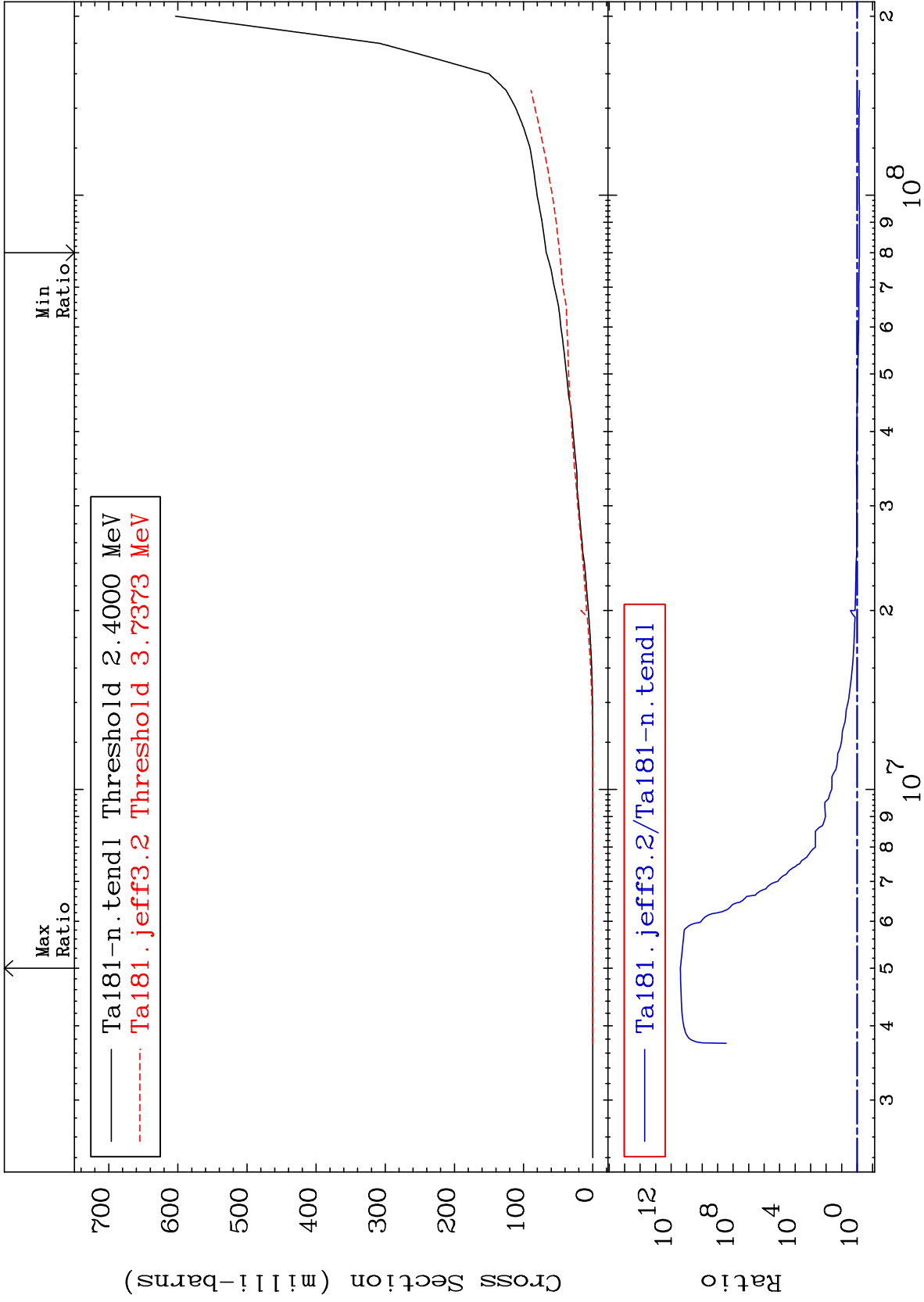
<sup>73</sup>Ta-<sup>181</sup>Ta



MAT 7328

Deuterium Production  
Cross Section

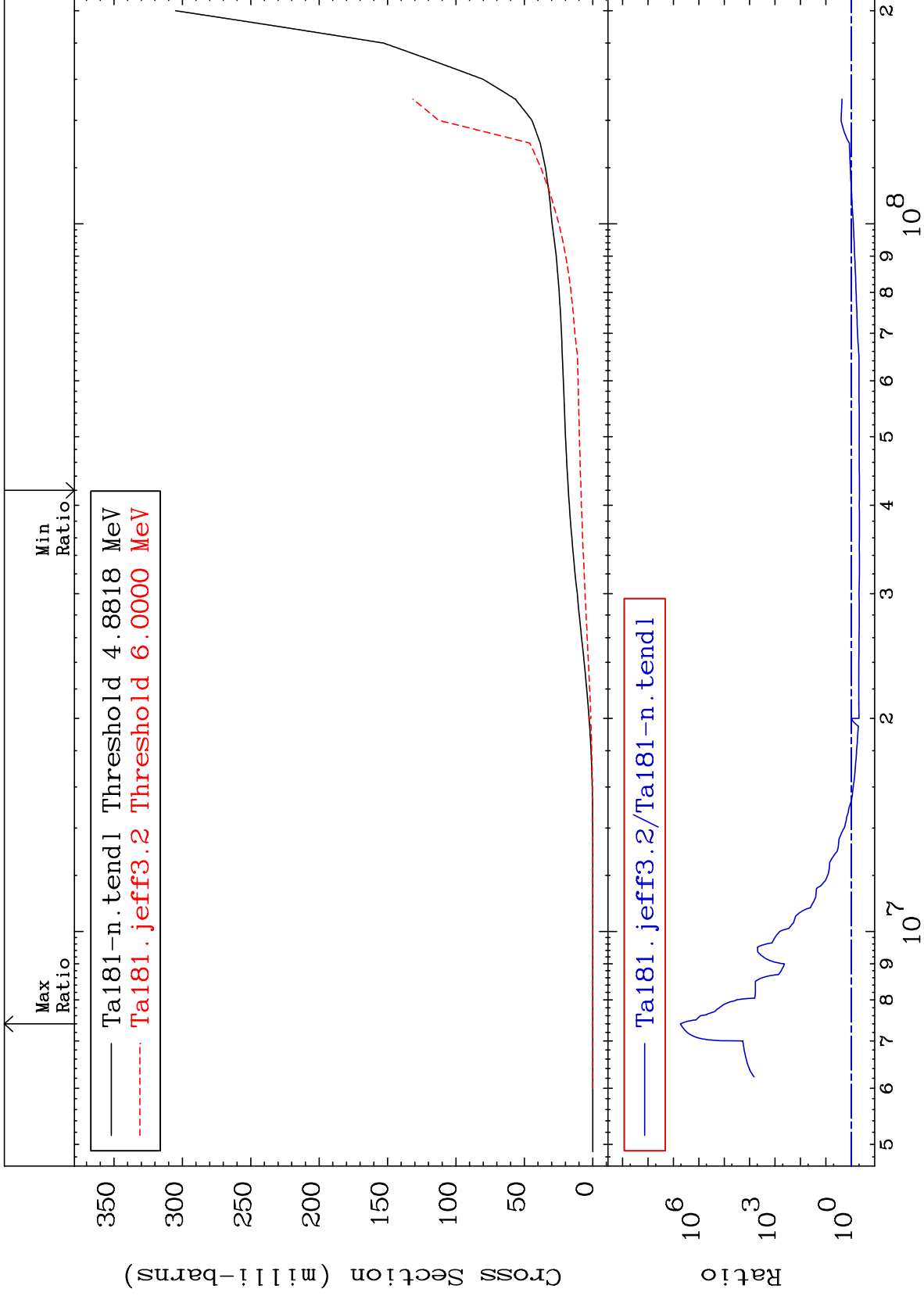
<sup>73</sup>Ta-<sup>181</sup>  
-28.70 To 9999. %



MAT 7328

Tritium Production  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-52.10 To 9999. %



40

Incident Energy (eV)

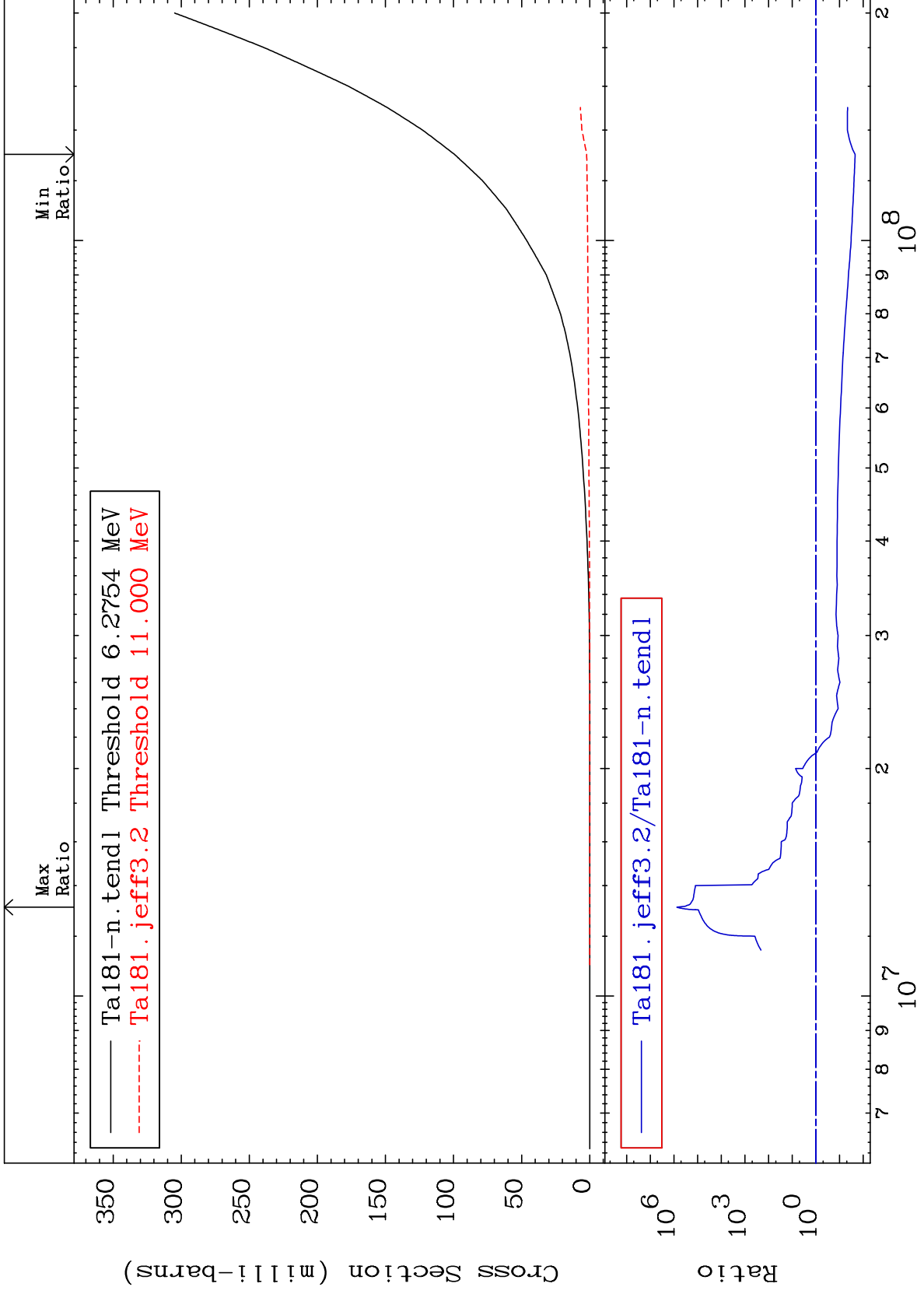
<sup>73</sup>Ta-<sup>181</sup>



MAT 7328

He-3 Production  
Cross Section

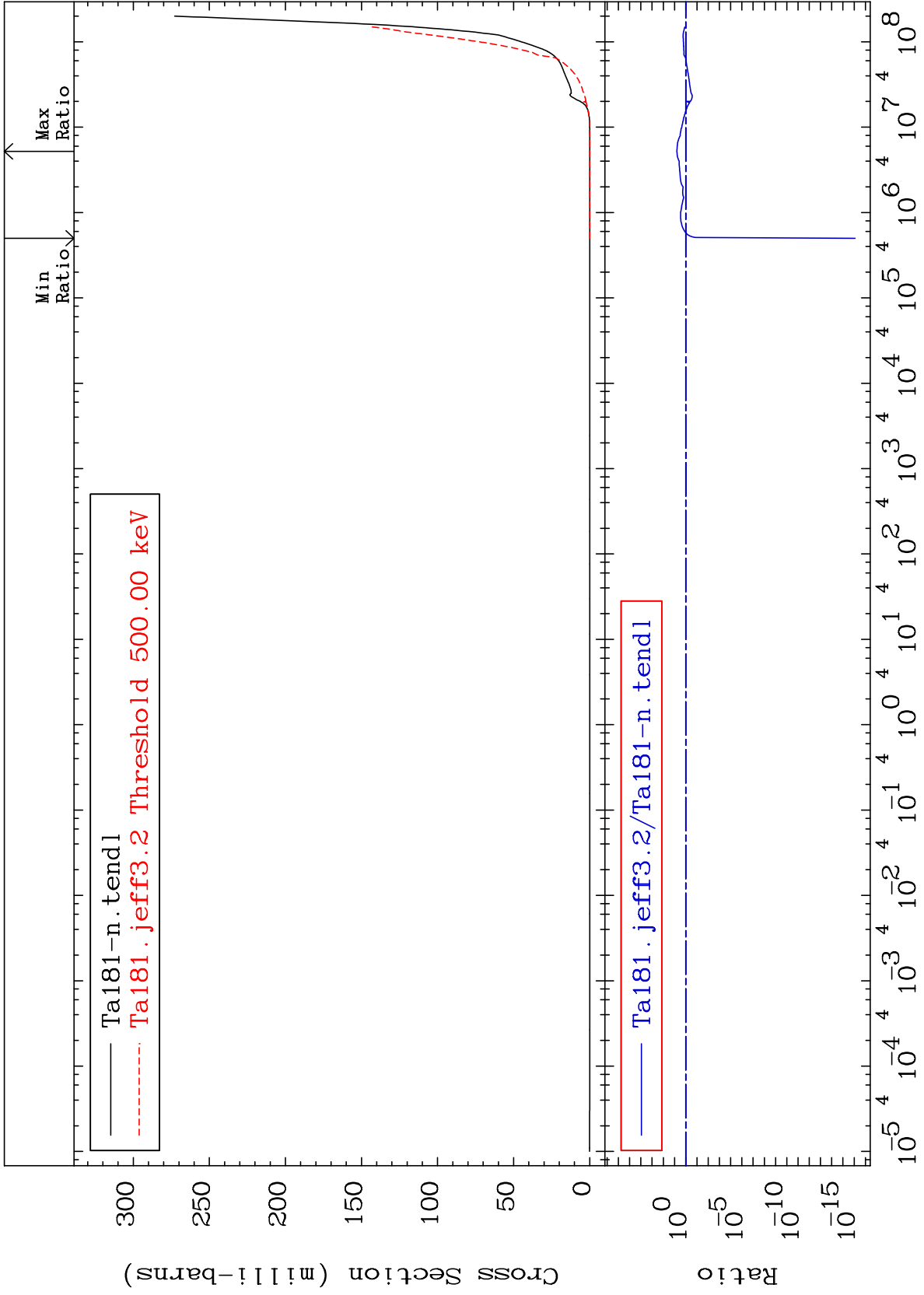
<sup>73</sup>Ta-<sup>181</sup>  
-97.79 To 9999. %

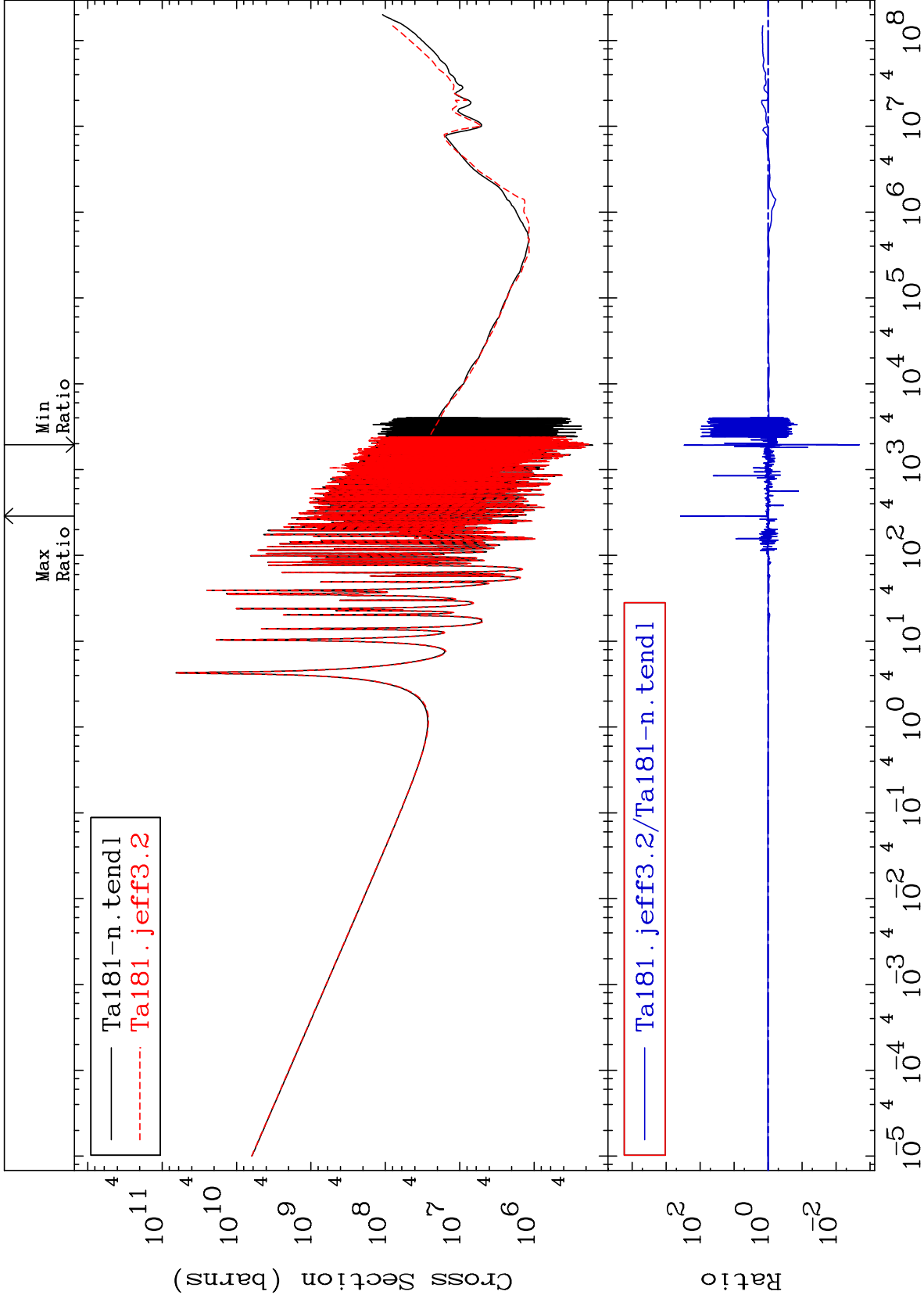


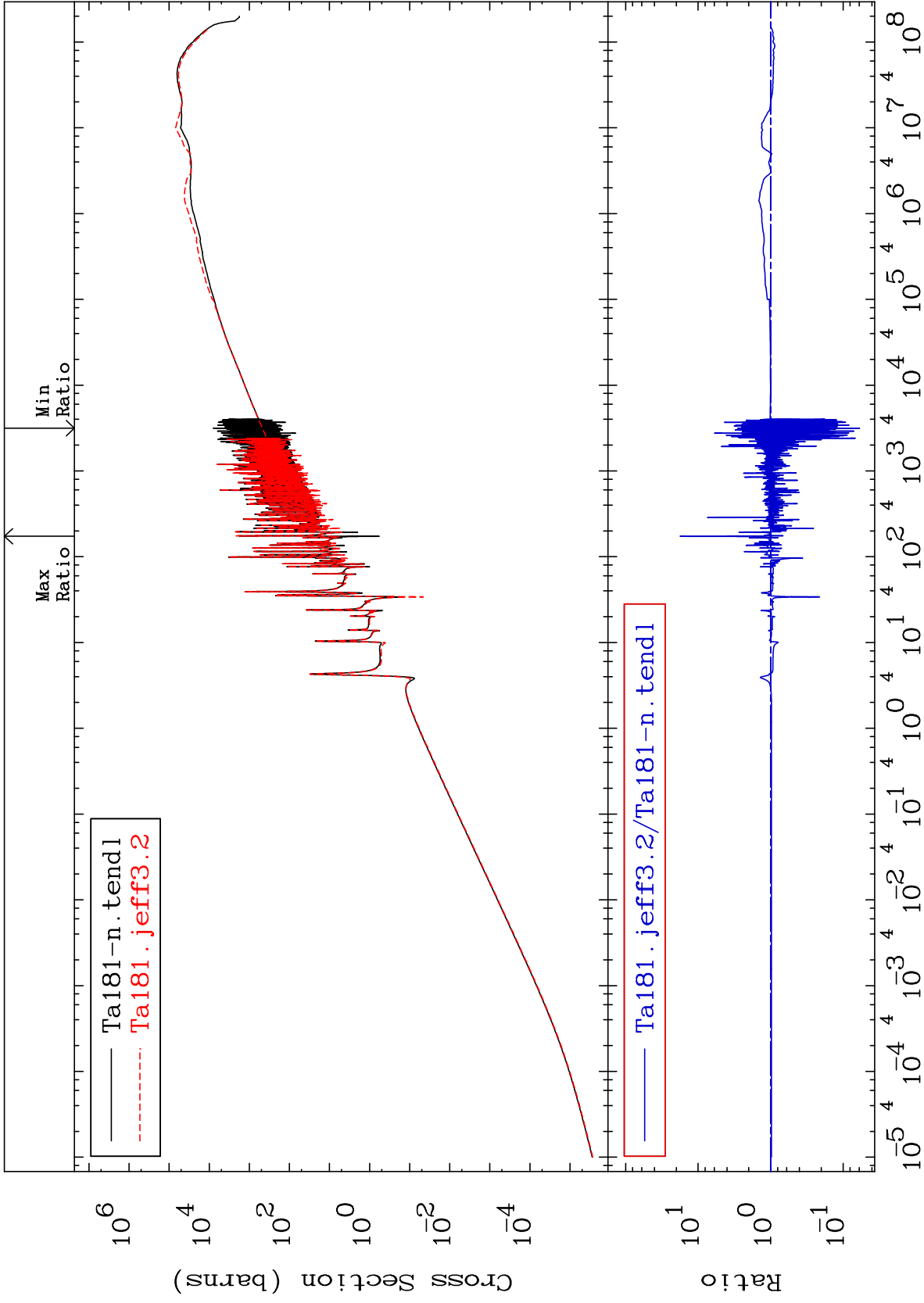
MAT 7328

He-4 Production  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 510.7 %



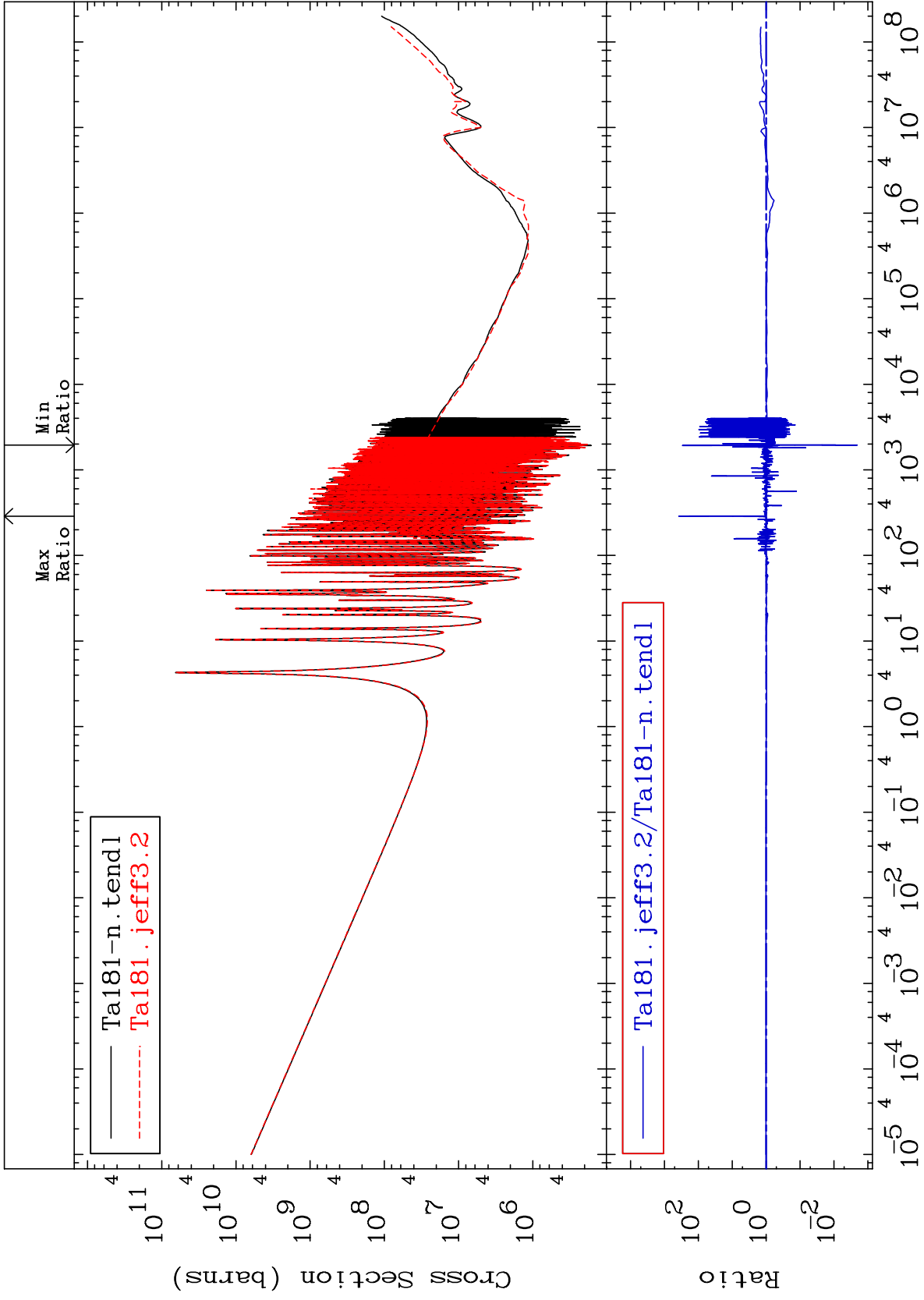




MAT 7328

Kerma non-elastic (all but mt2)  
Cross Section

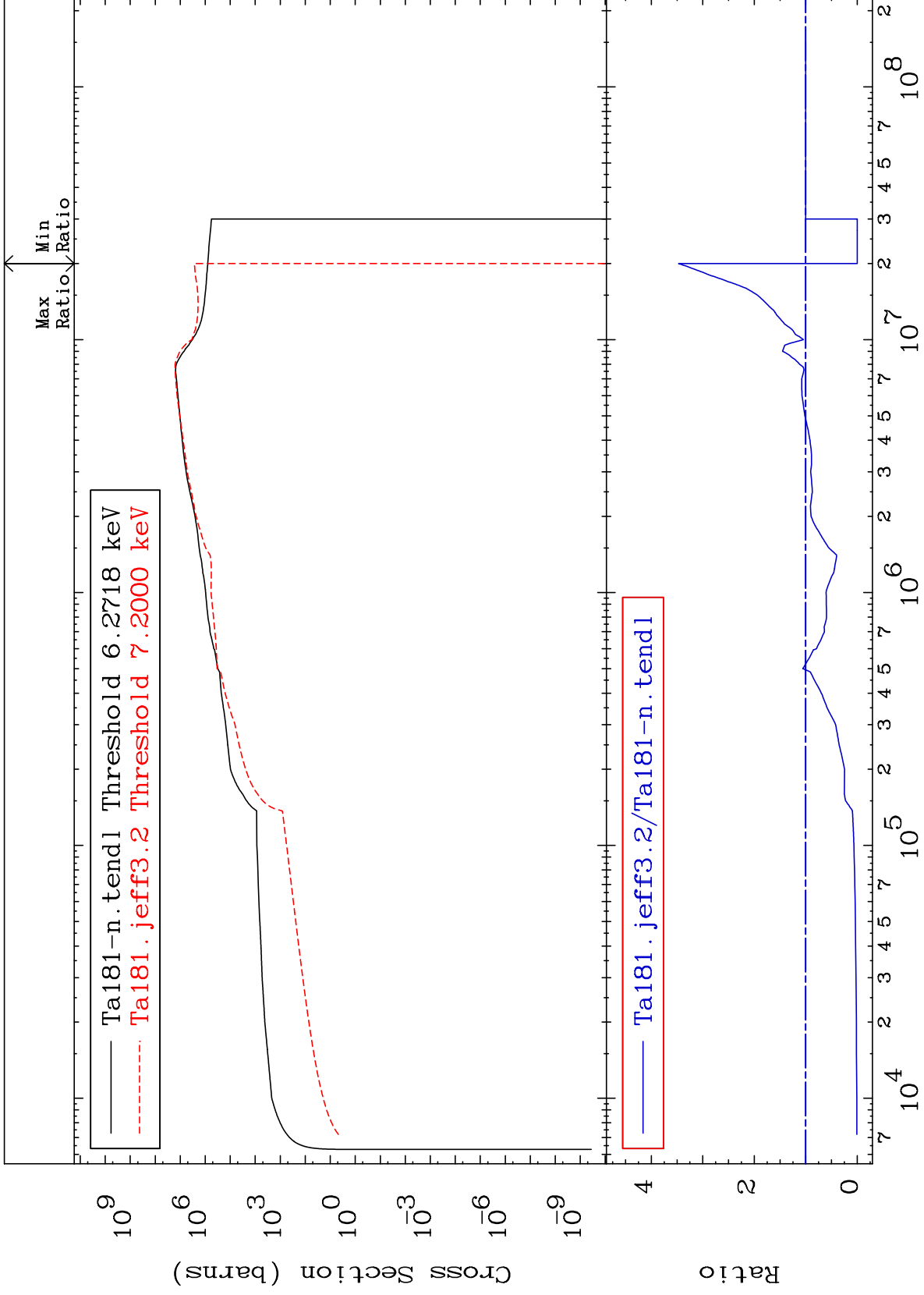
<sup>73</sup>Ta-181  
-99.80 To 9999. %



MAT 7328

Kerma inelastic (mt51-91)  
Cross Section

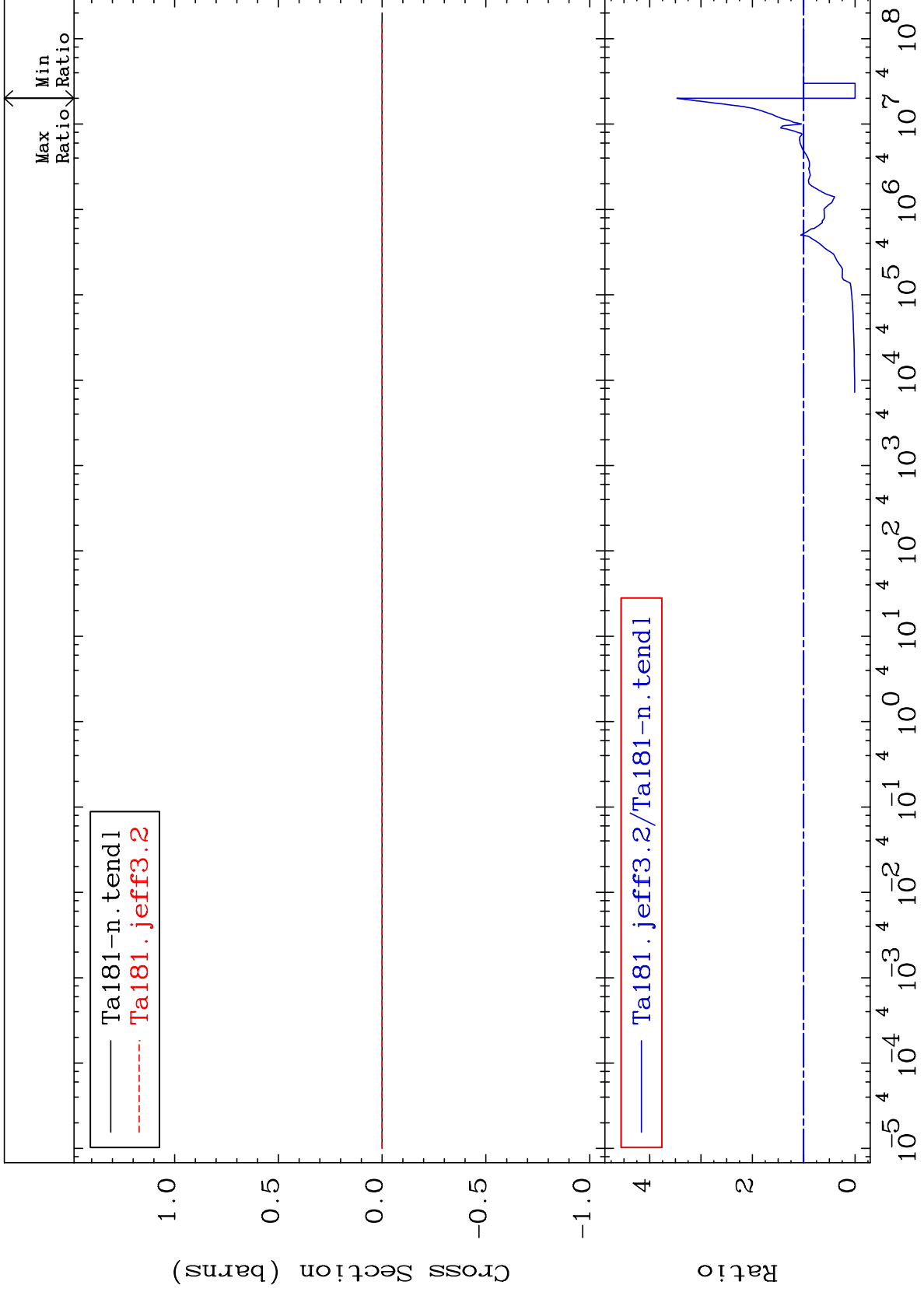
<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To 246.9 %



MAT 7328

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

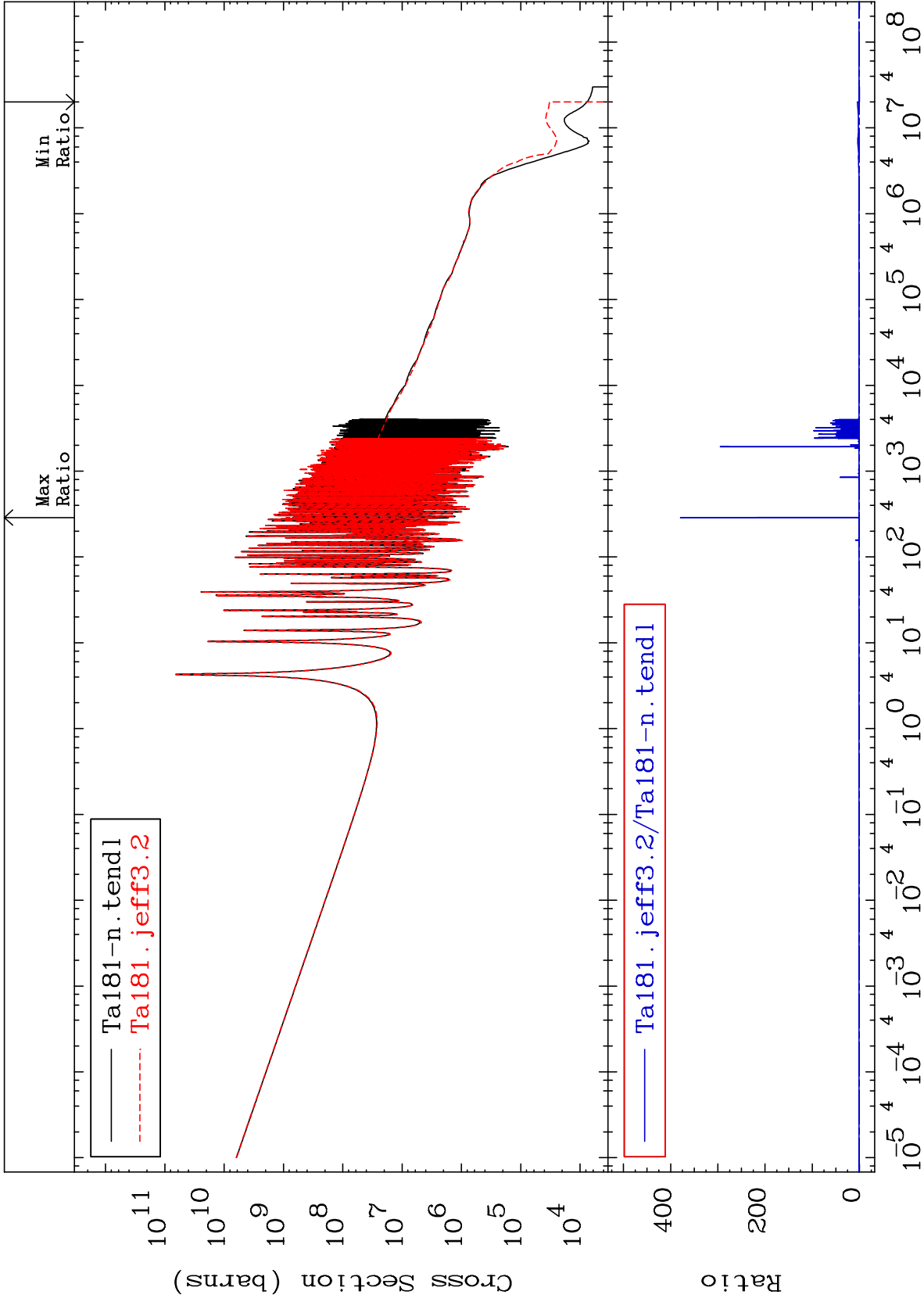
73-Ta-181  
-100.0 To 246.9 %



MAT 7328

Kerma capture (mt102)  
Cross Section

73-Ta-181  
-100.0 To 9999. %



48

Incident Energy (eV)

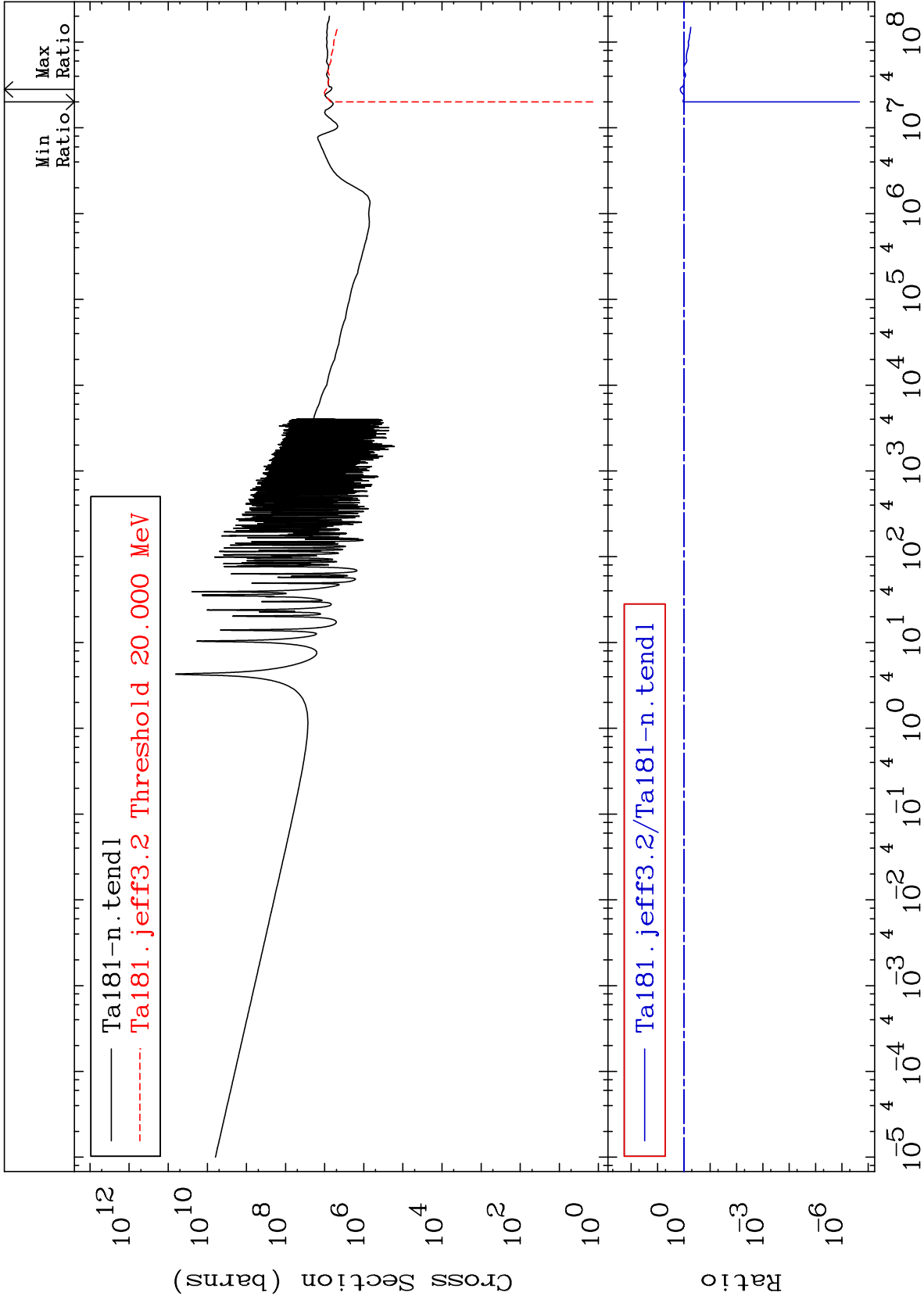
73-Ta-181



MAT 7328

Total photon (eV-barns)  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 35.72 %



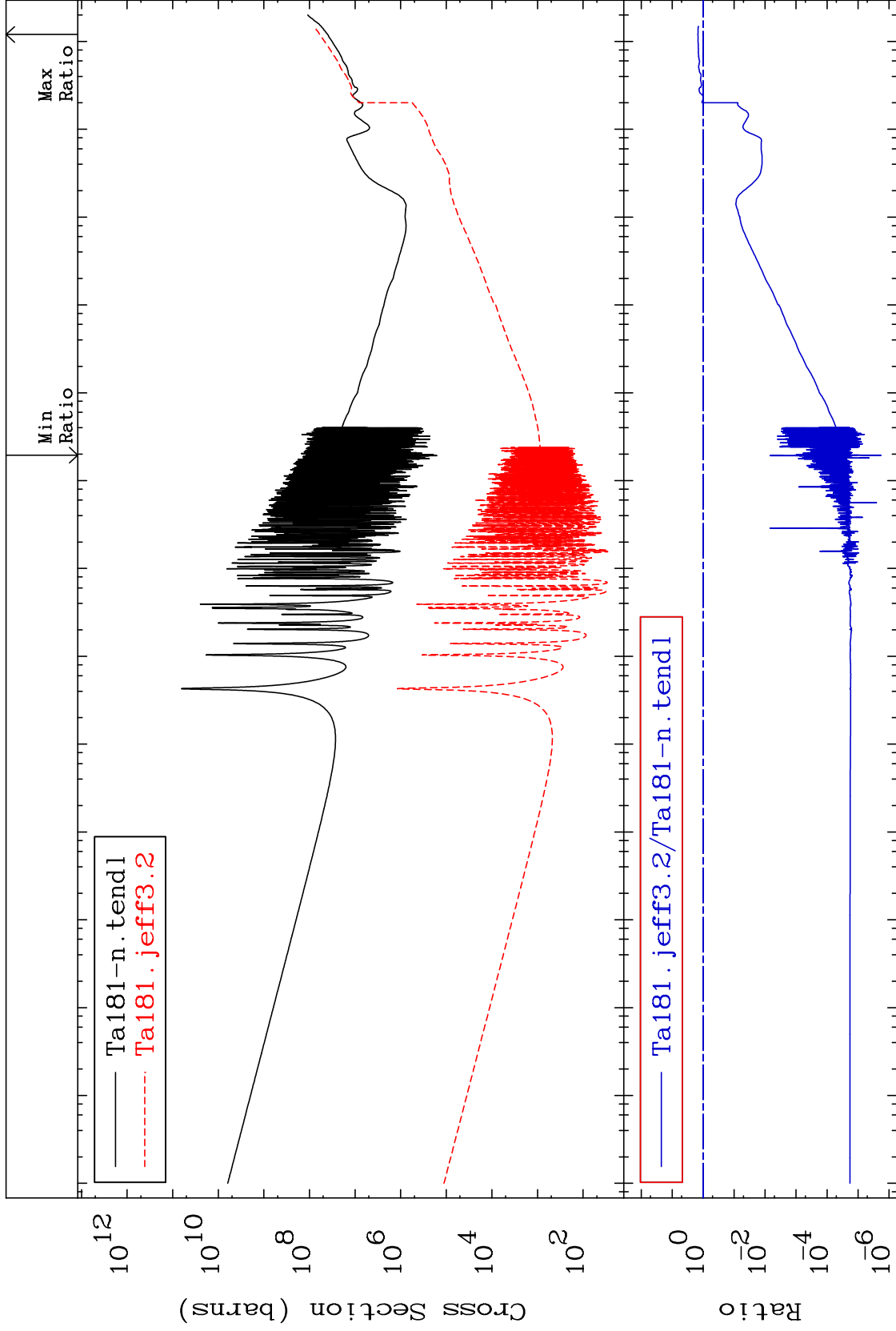
MAT 7328

Total kinematic kerma (high limit)

73-Ta-181

Cross Section

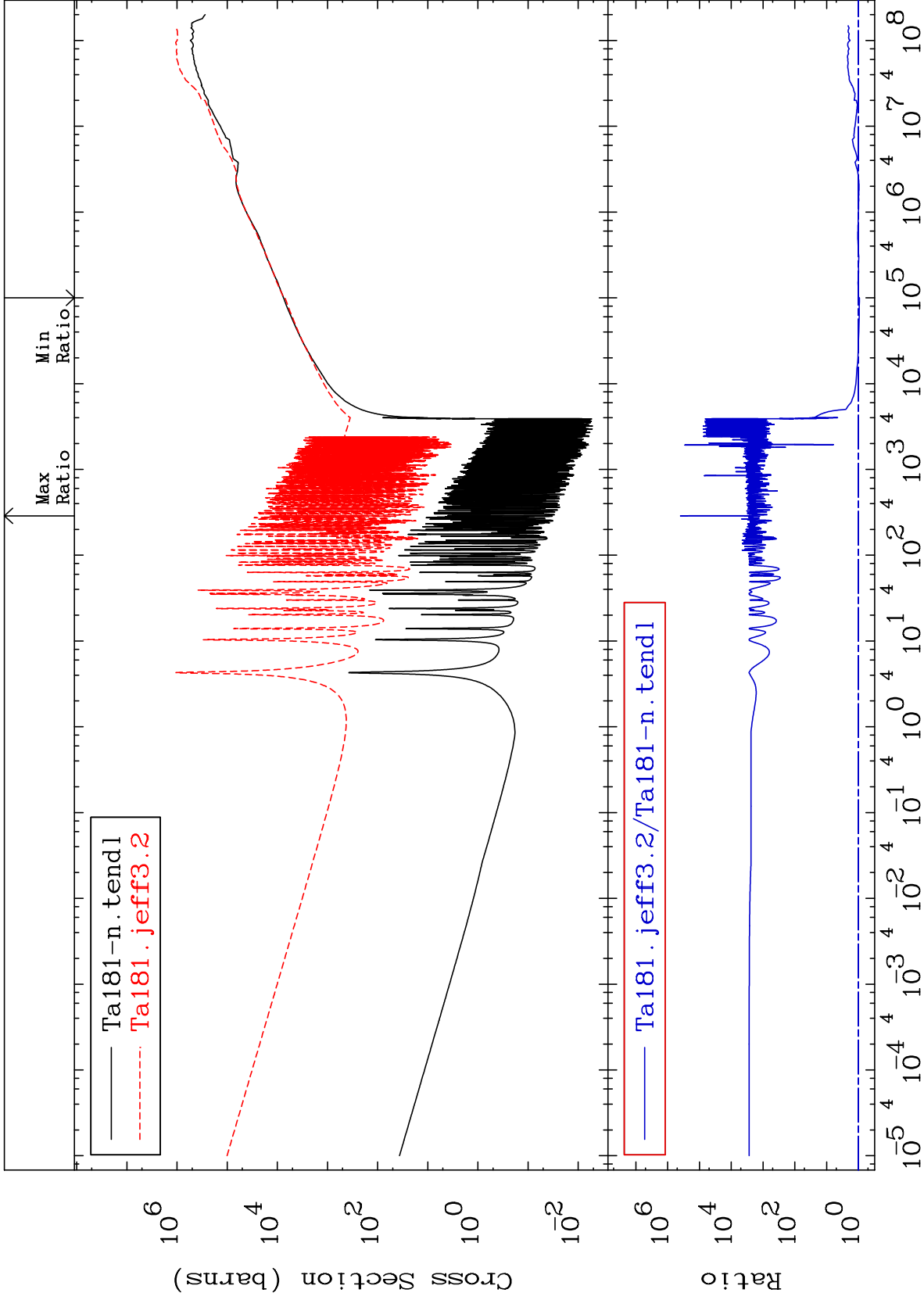
-100.0 To 48.16 %



50

Incident Energy (eV)

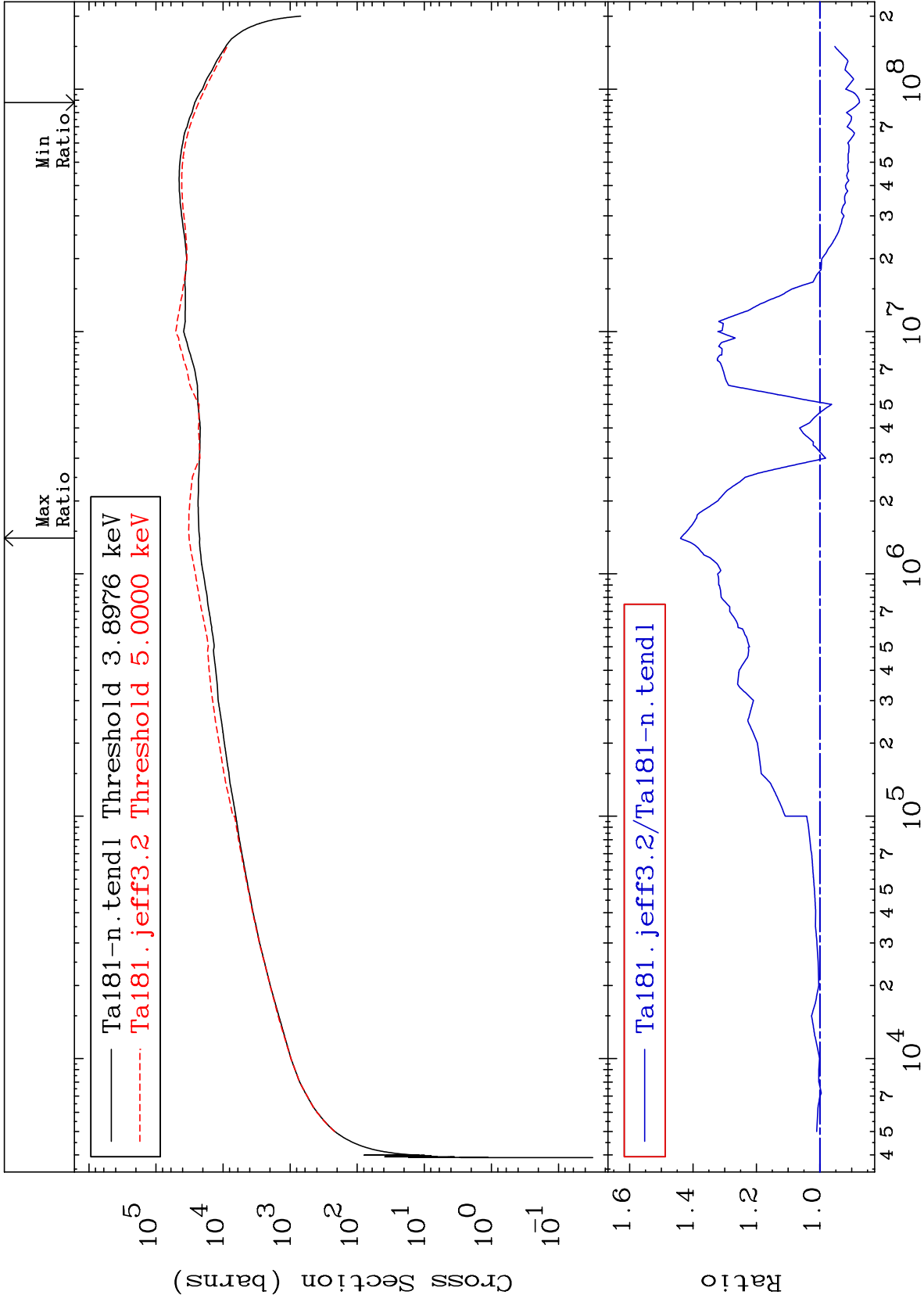
73-Ta-181



MAT 7328

Dpa elastic (mt2)  
Cross Section

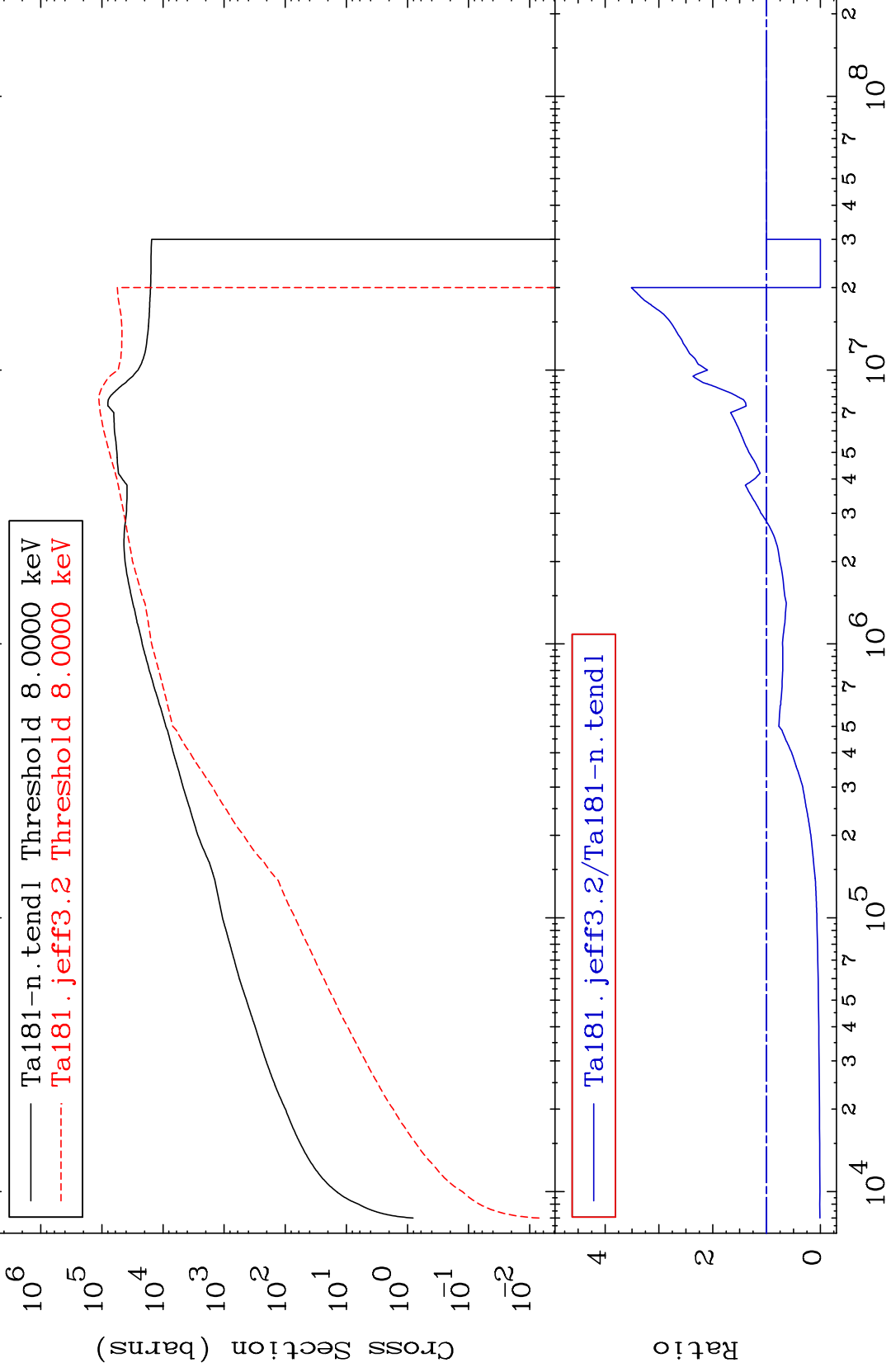
<sup>73</sup>Ta-Ta-181  
-12.46 To 43.99 %



MAT 7328

Dpa inelastic (mt51-91)  
Cross Section

73-Ta-181  
-100.0 To 251.1 %



53

73-Ta-181

MAT 7328

Dpa disappearance (mt102 -120)  
Cross Section

73-Ta-181  
-100.0 To 9999. %

