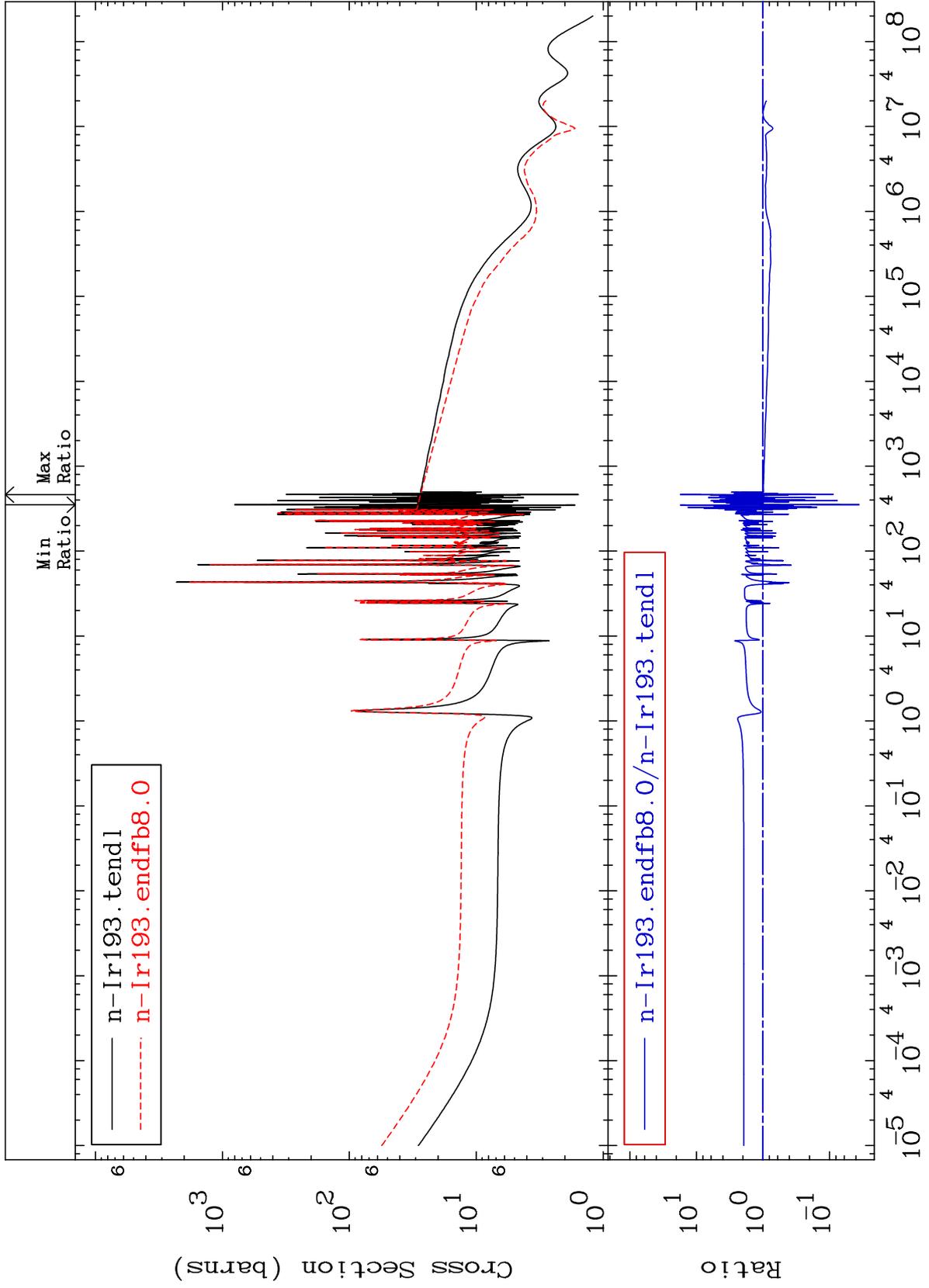




MAT 7731

Elastic  
Cross Section

77-Ir-193  
-96.41 To 1646. %



Incident Energy (eV)

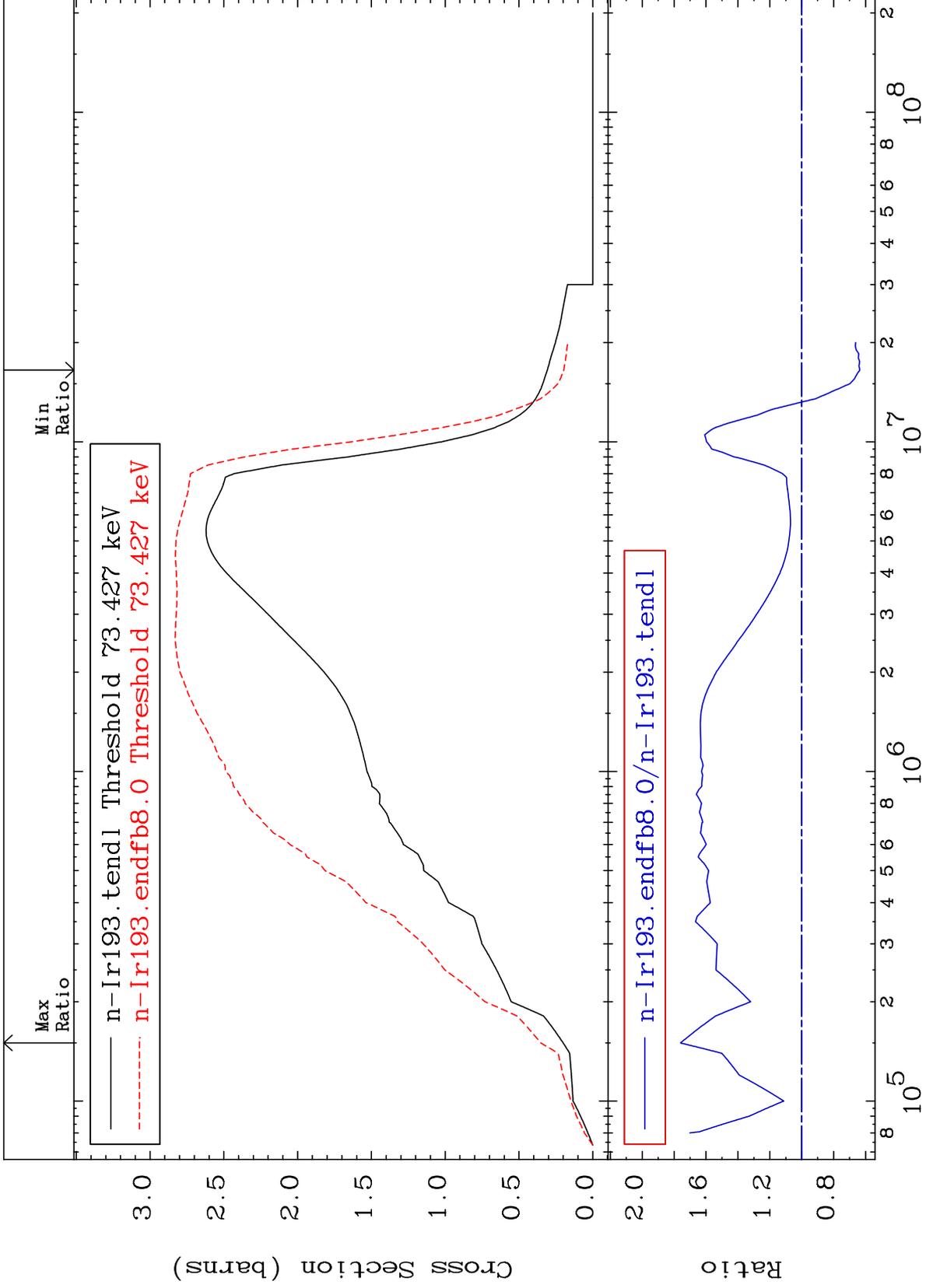
77-Ir-193

2

MAT 7731

Inelastic  
Cross Section

77-Ir-193  
-36.37 To 75.98 %



3

77-Ir-193

77-Ir-193

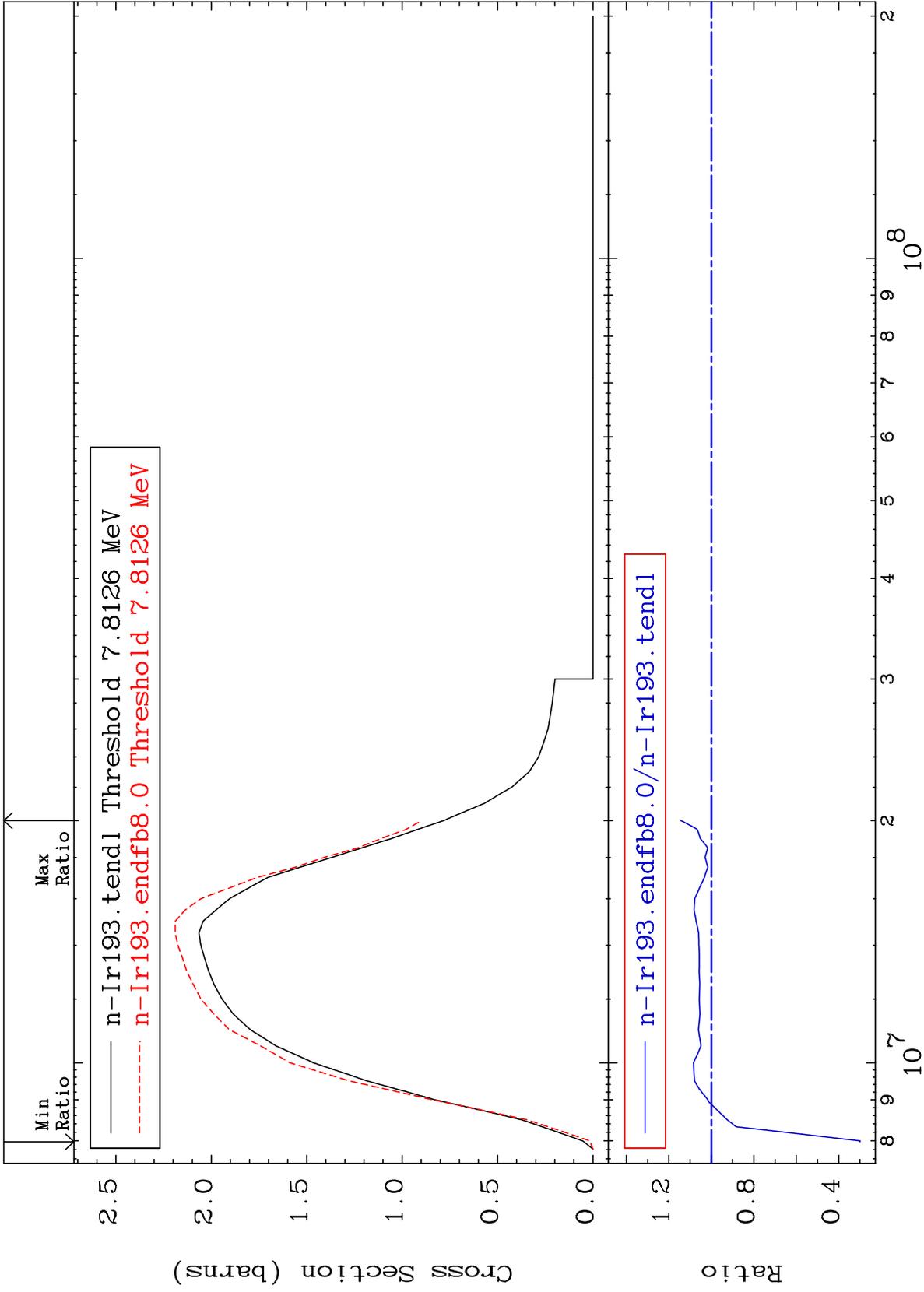
MAT 7731

(n,2n)

77-Ir-193

Cross Section

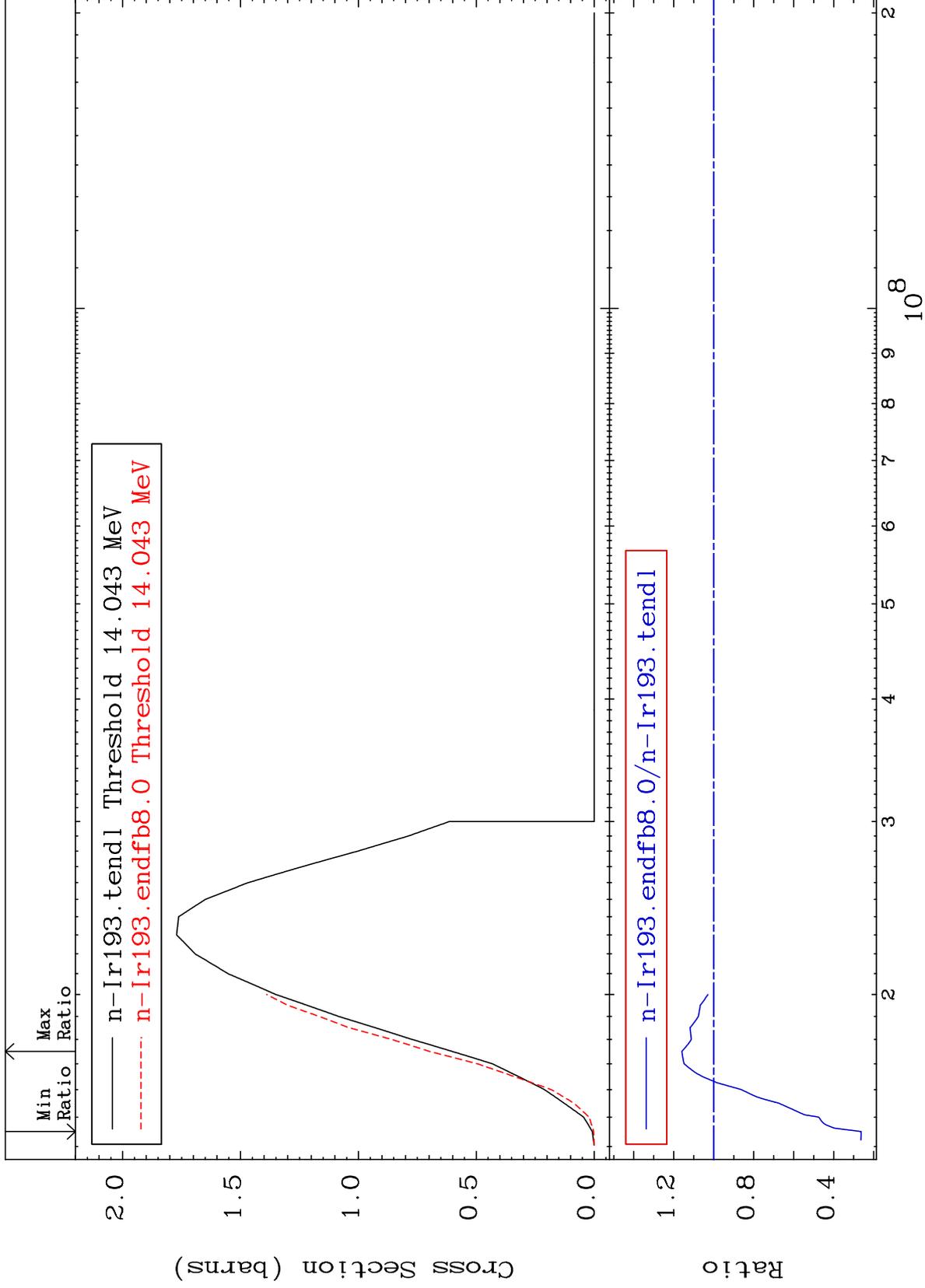
-70.08 To 14.42 %



4

Incident Energy (eV)

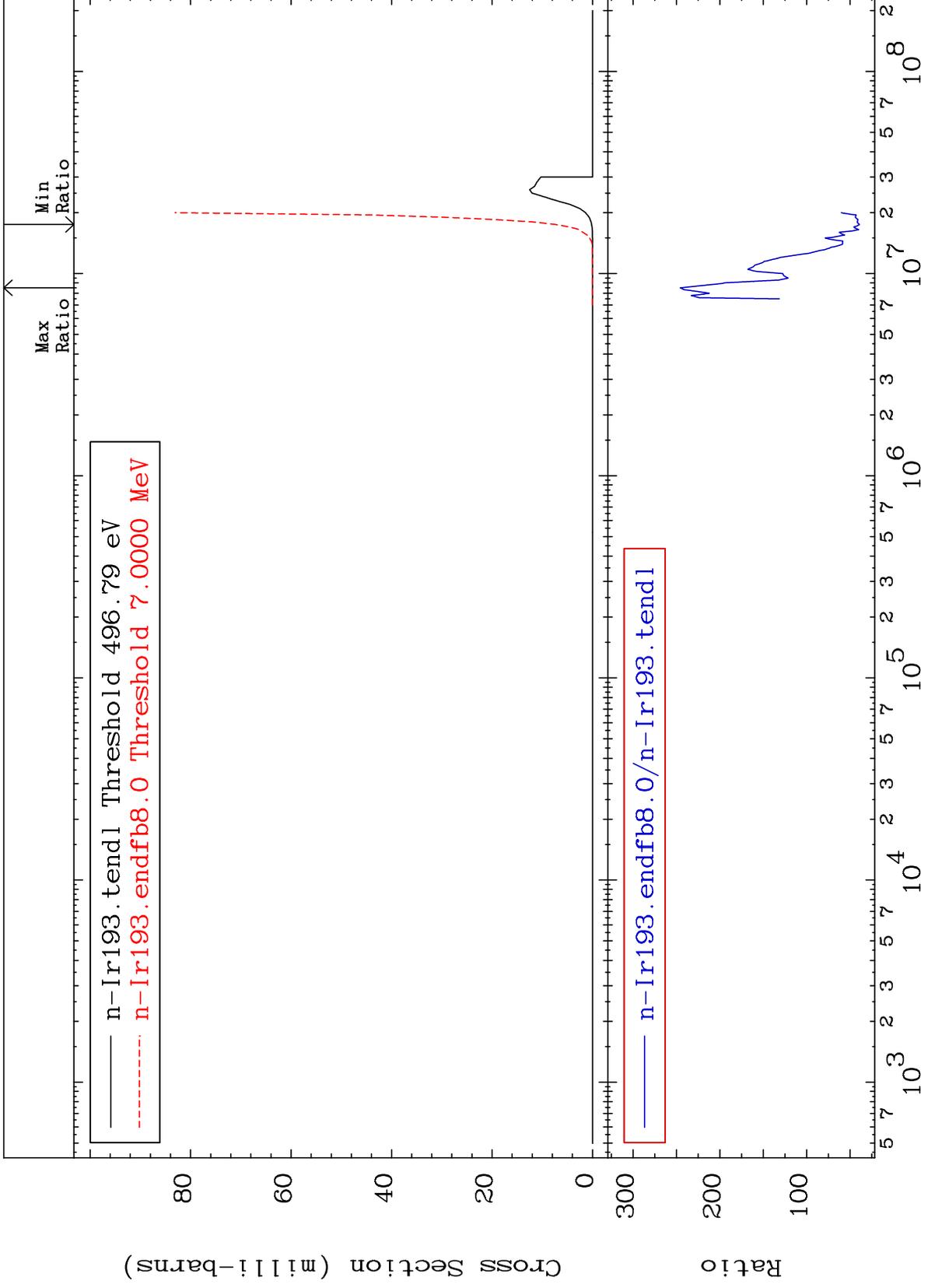
77-Ir-193



MAT 7731

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

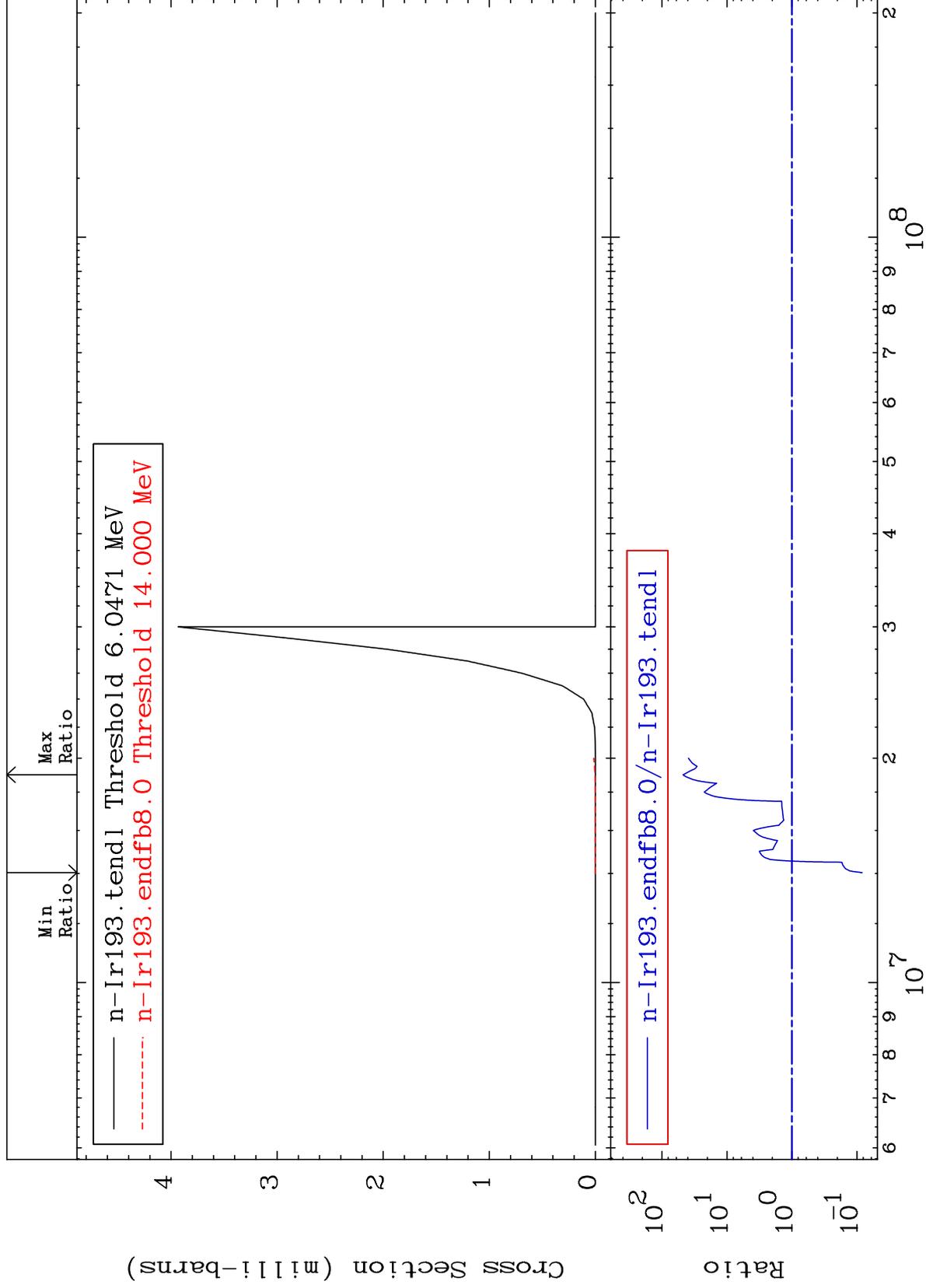
77-Ir-193  
3822. To 9999. %



MAT 7731

(n,2n)  $\alpha$   
Cross Section

77-Ir-193  
-91.70 To 4638. %



7

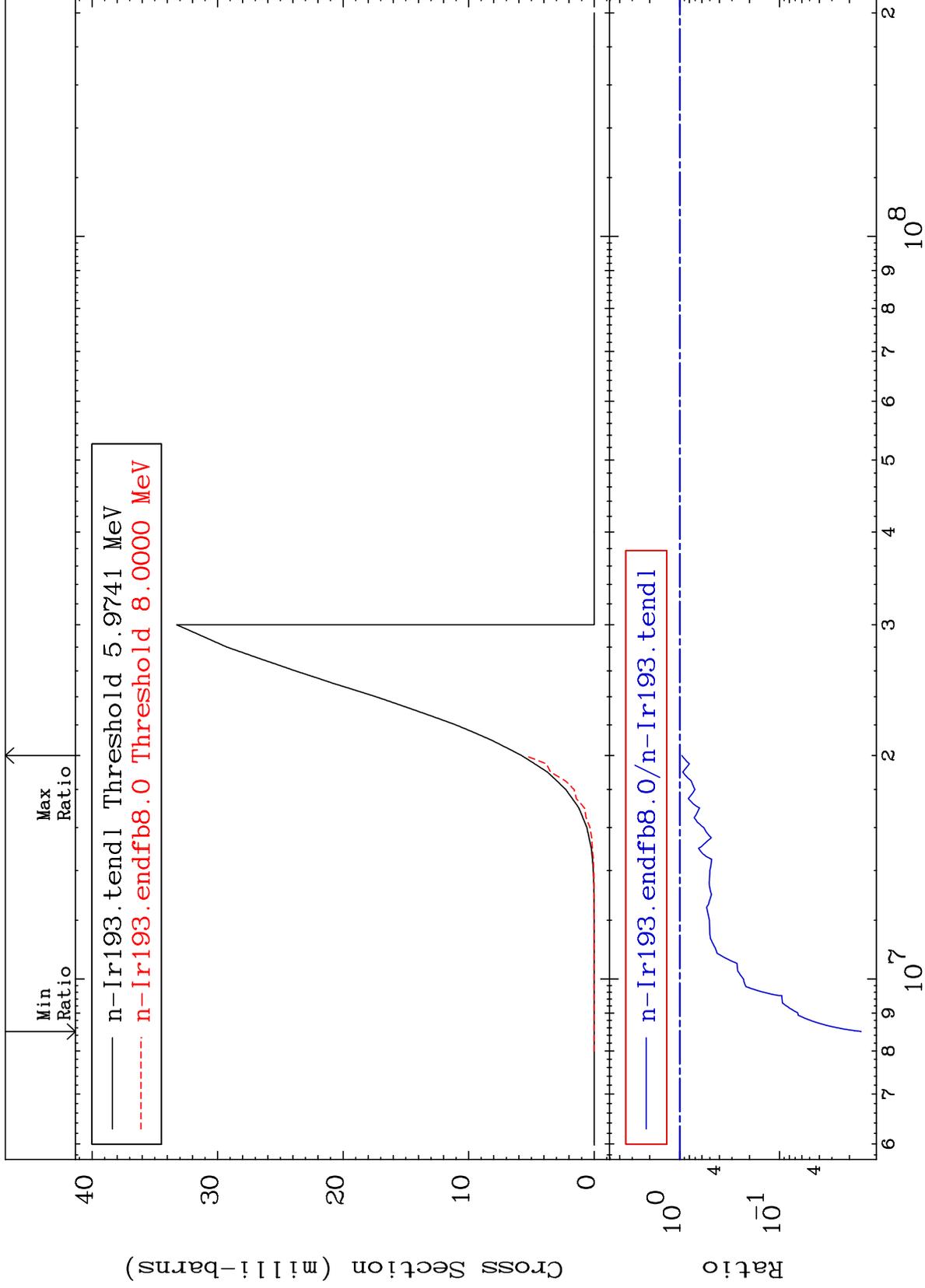
Incident Energy (eV)

77-Ir-193

MAT 7731

(n,n') p  
Cross Section

<sup>77</sup>Ir-<sup>193</sup>  
-98.47 To -4.807%



8

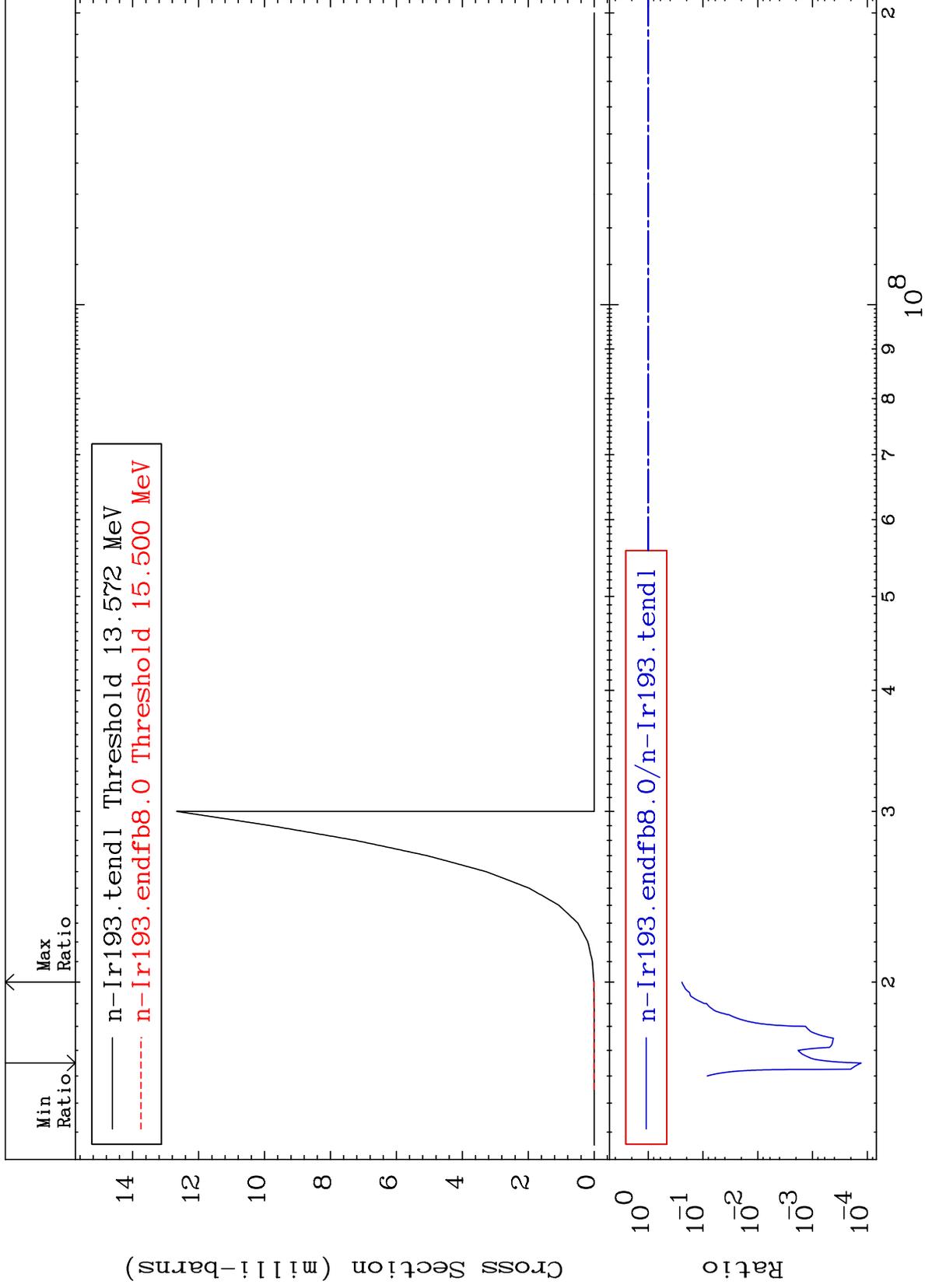
Incident Energy (eV)

<sup>77</sup>Ir-<sup>193</sup>

MAT 7731

(n,2n) p  
Cross Section

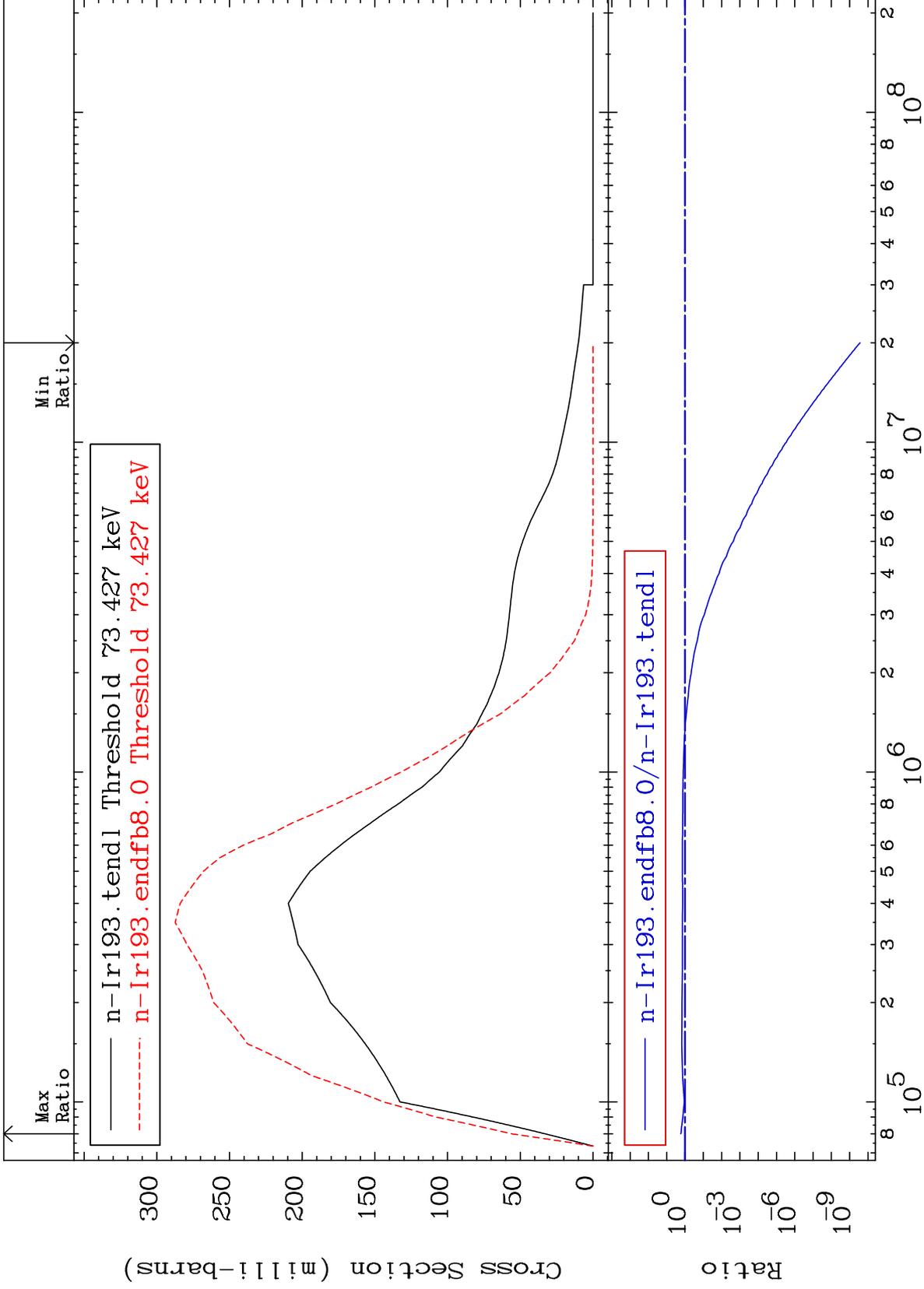
<sup>77</sup>Ir-193  
-99.99 To -75.68%



MAT 7731

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

<sup>77</sup>Ir-<sup>193</sup>  
-100.0 To 70.18 %



10

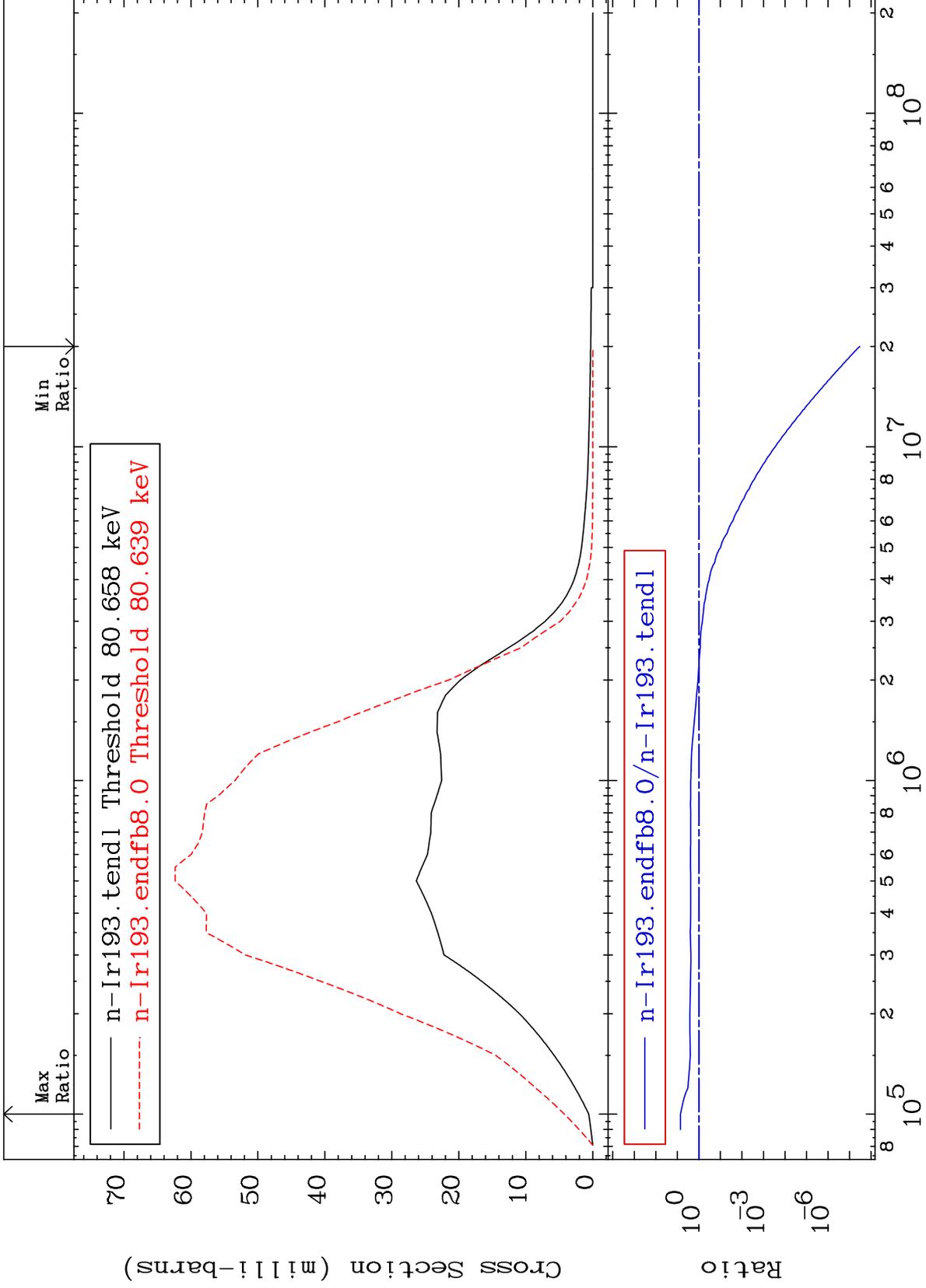
Incident Energy (eV)

<sup>77</sup>Ir-<sup>193</sup>

MAT 7731

MT= 52 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 610.8 %



11

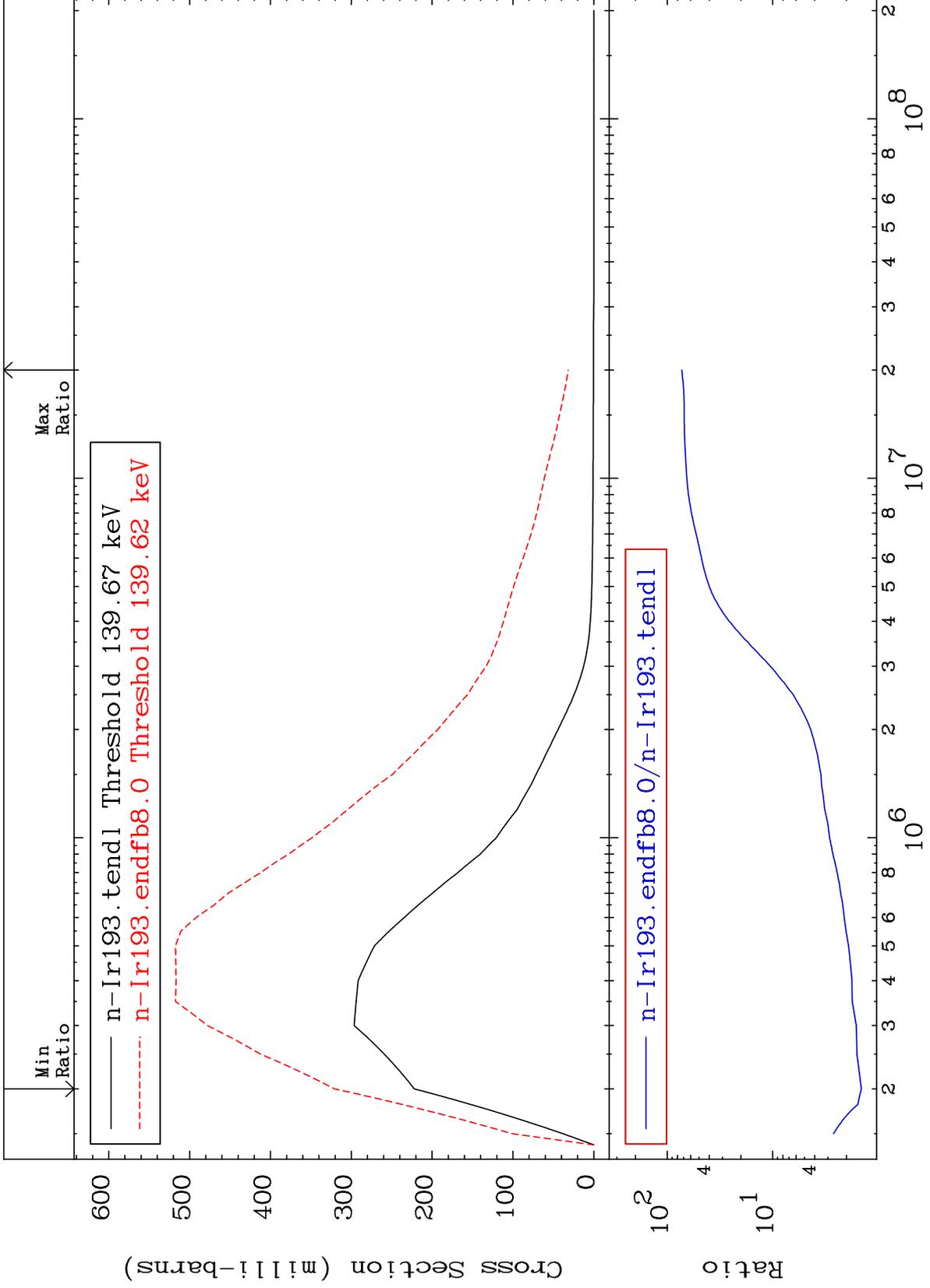
Incident Energy (eV)

77-Ir-193

MAT 7731

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

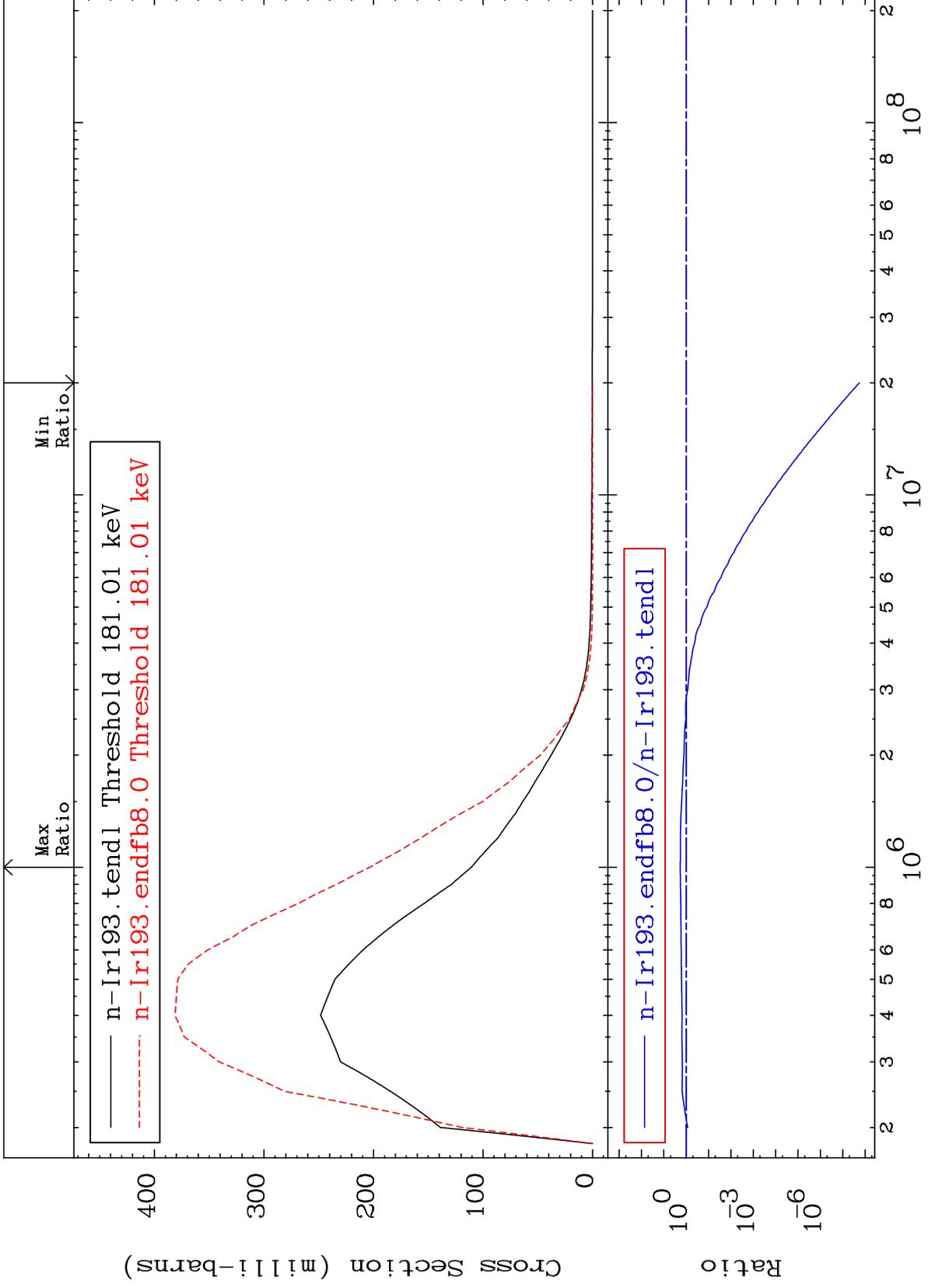
77-Ir-193  
44.39 To 7186. %



MAT 7731

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

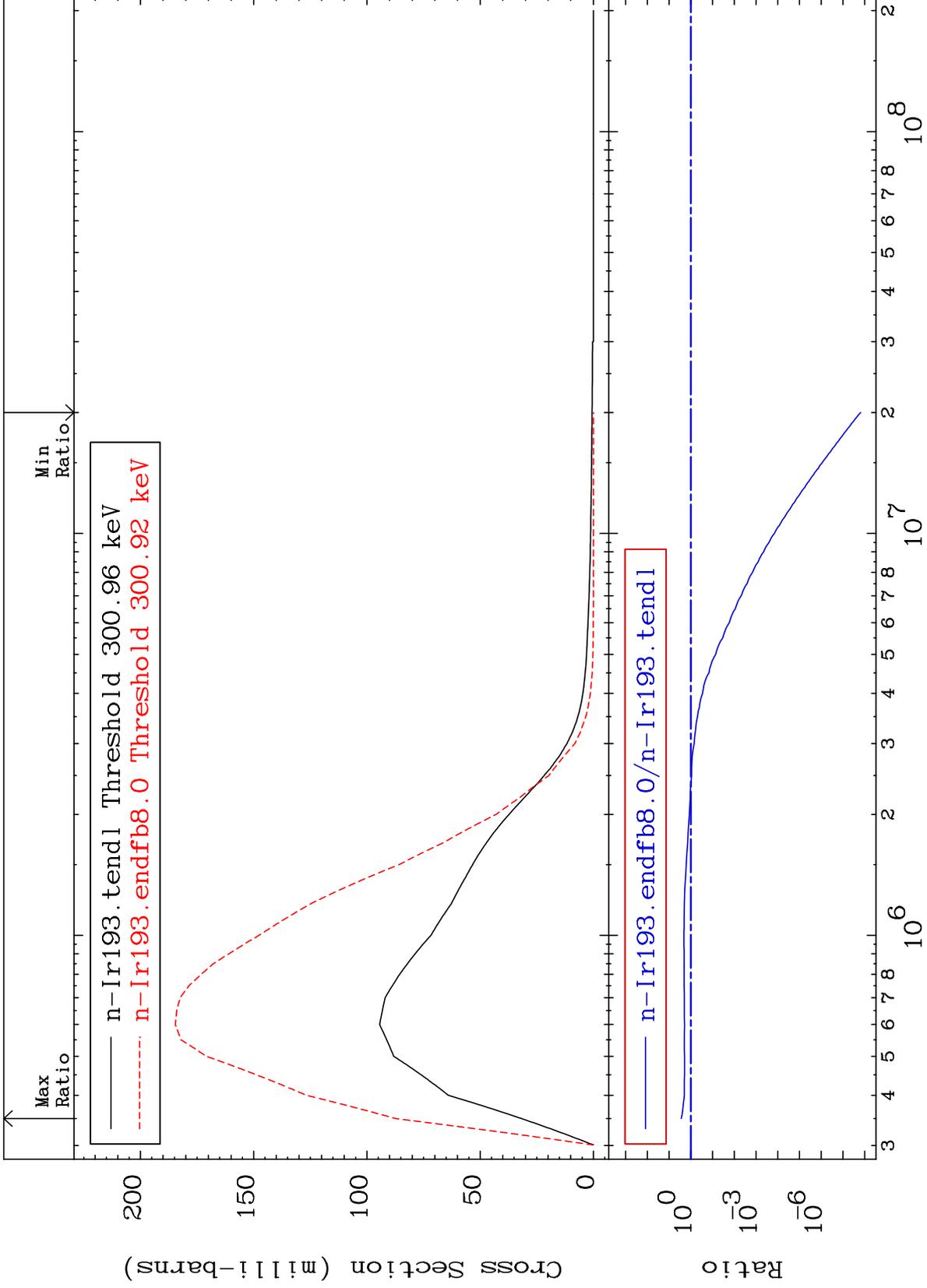
<sup>77</sup>Ir-<sup>193</sup>  
-100.0 To 83.89 %



MAT 7731

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

77-Ir-193  
-100.0 To 174.9 %



14

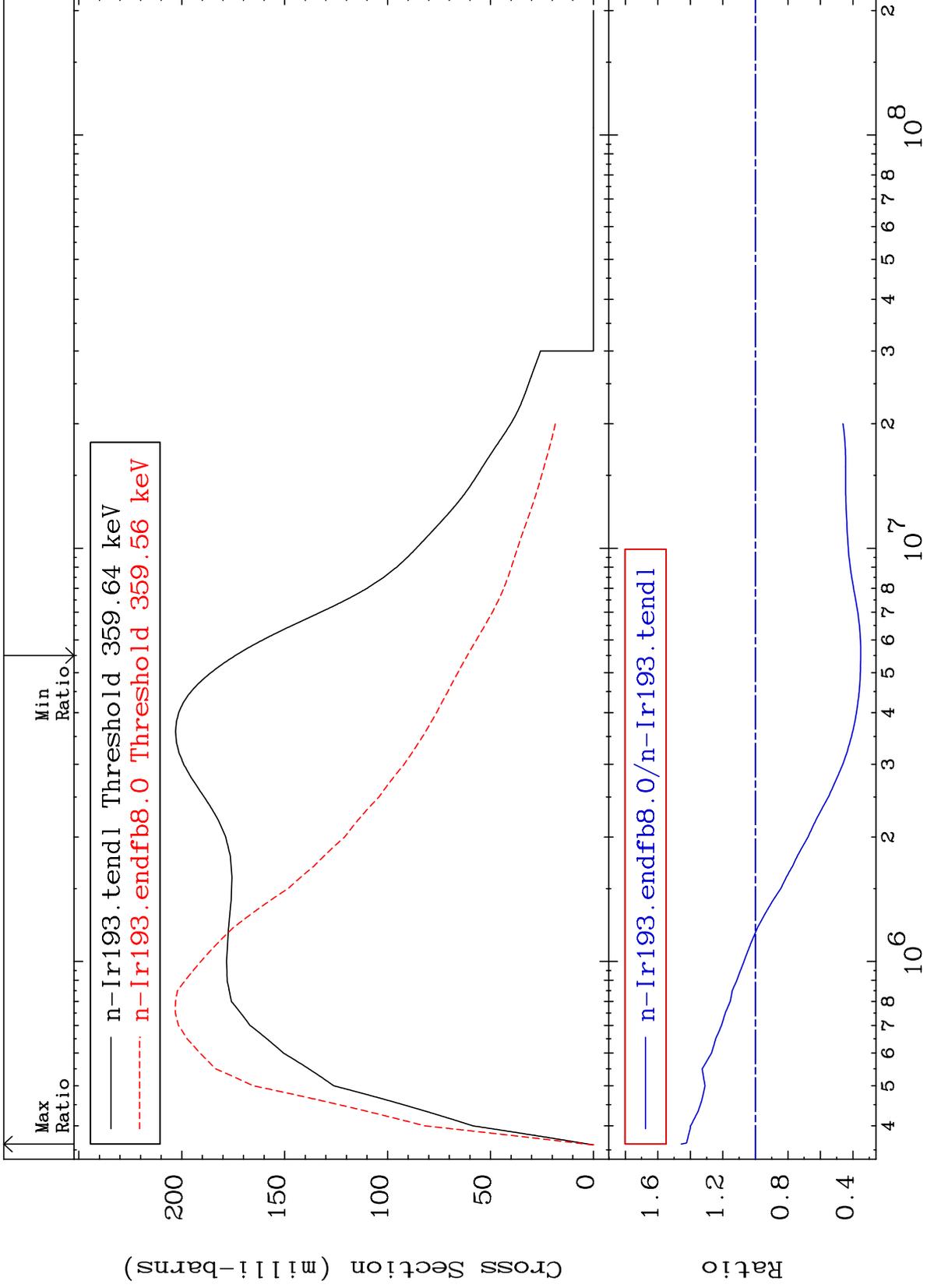
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 56 (n,n') Level  
Cross Section

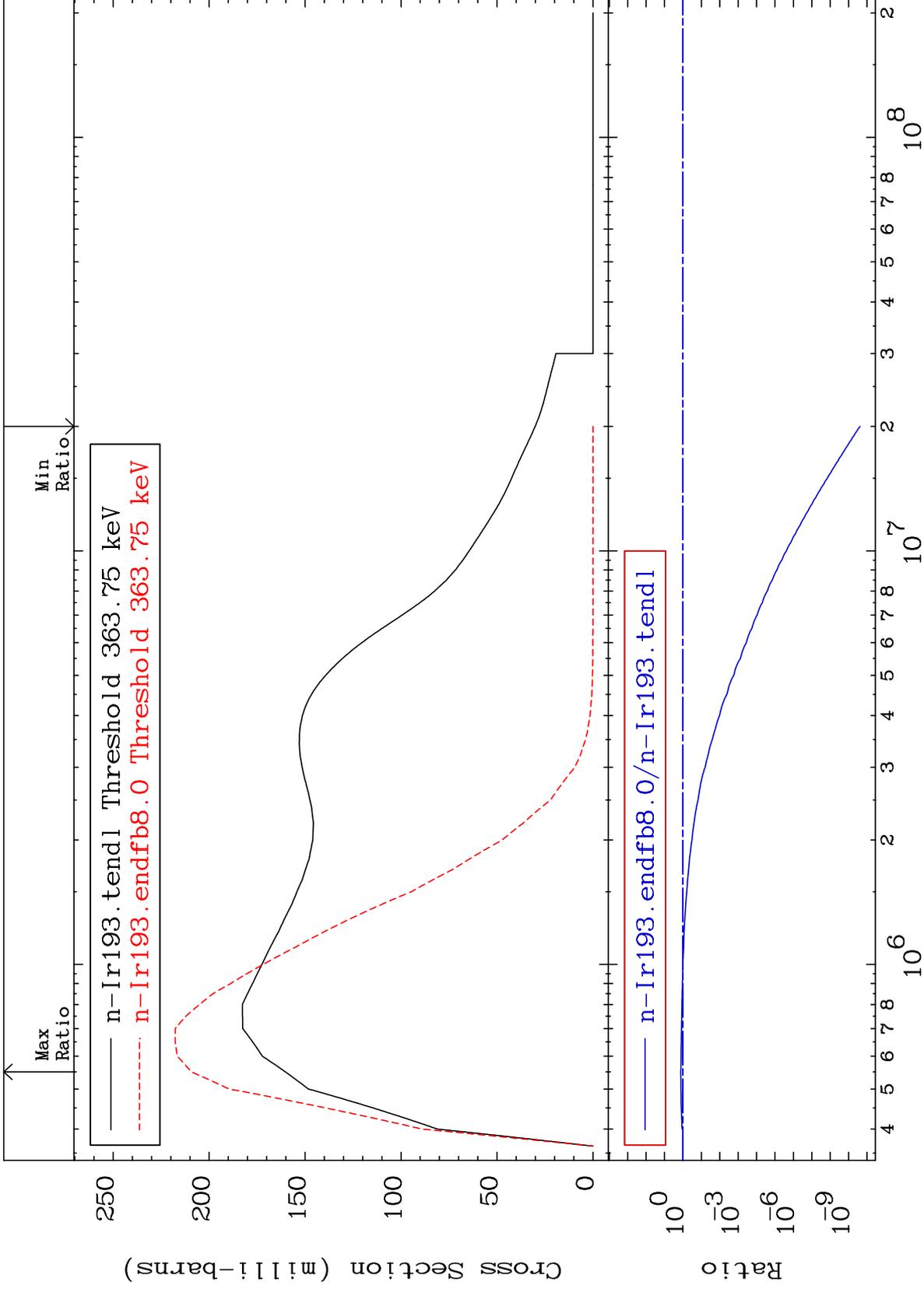
77-Ir-193  
-64.78 To 45.59 %



MAT 7731

MT= 57 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 30.55 %



16

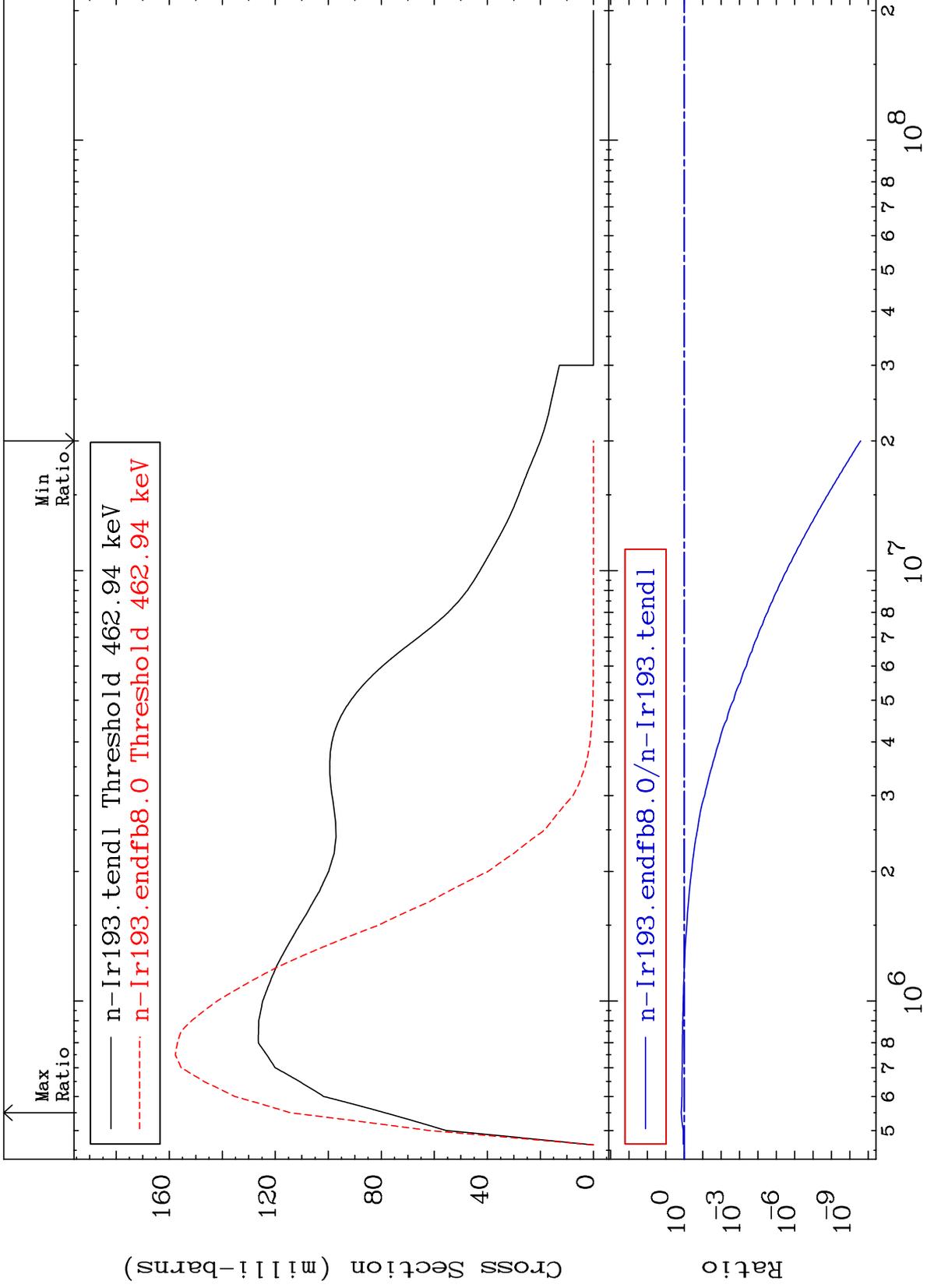
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 58 (n,n') Level  
Cross Section

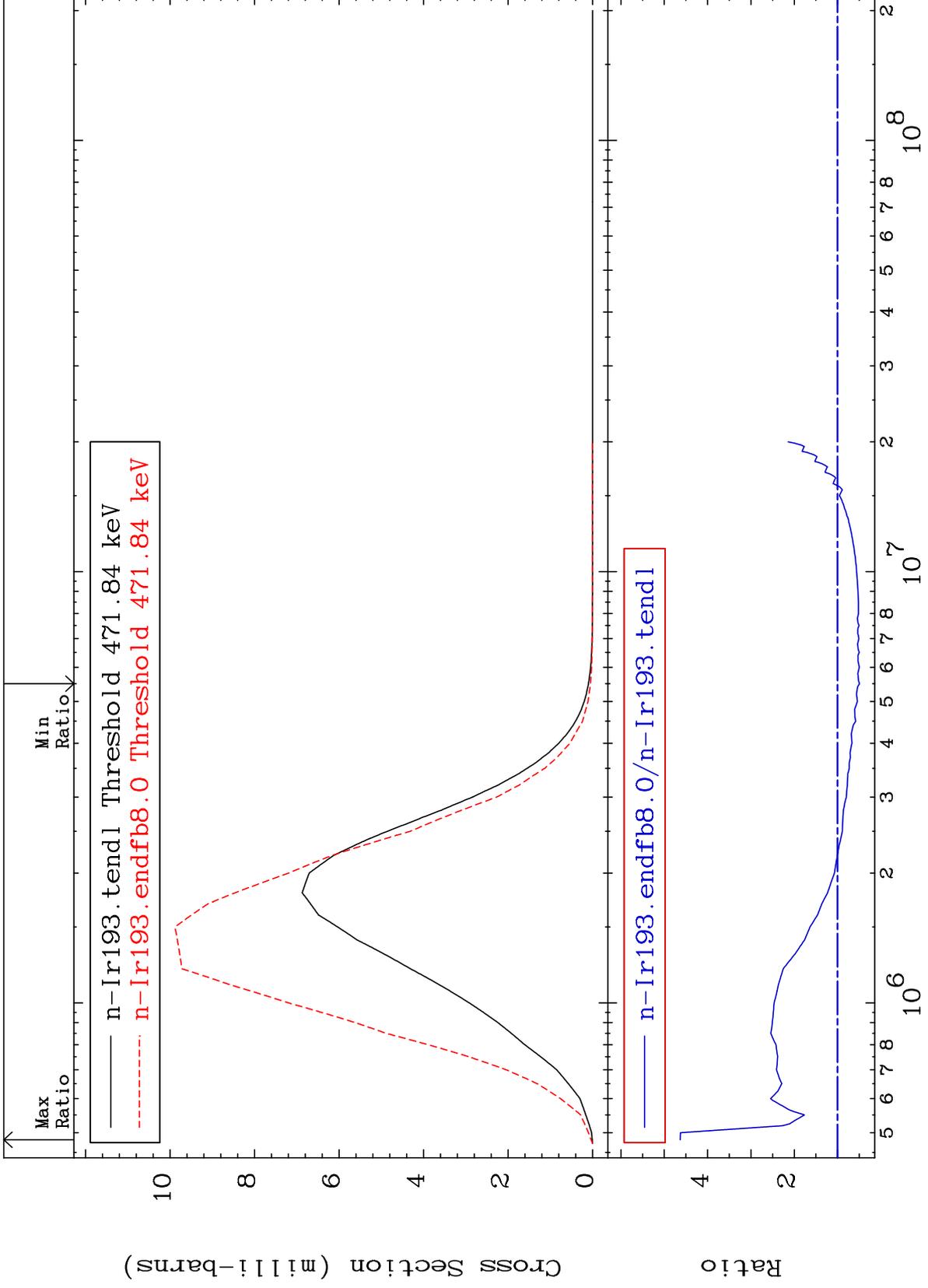
77-Ir-193  
-100.0 To 45.45 %



MAT 7731

MT= 59 (n,n') Level  
Cross Section

77-Ir-193  
-50.46 To 363.0 %



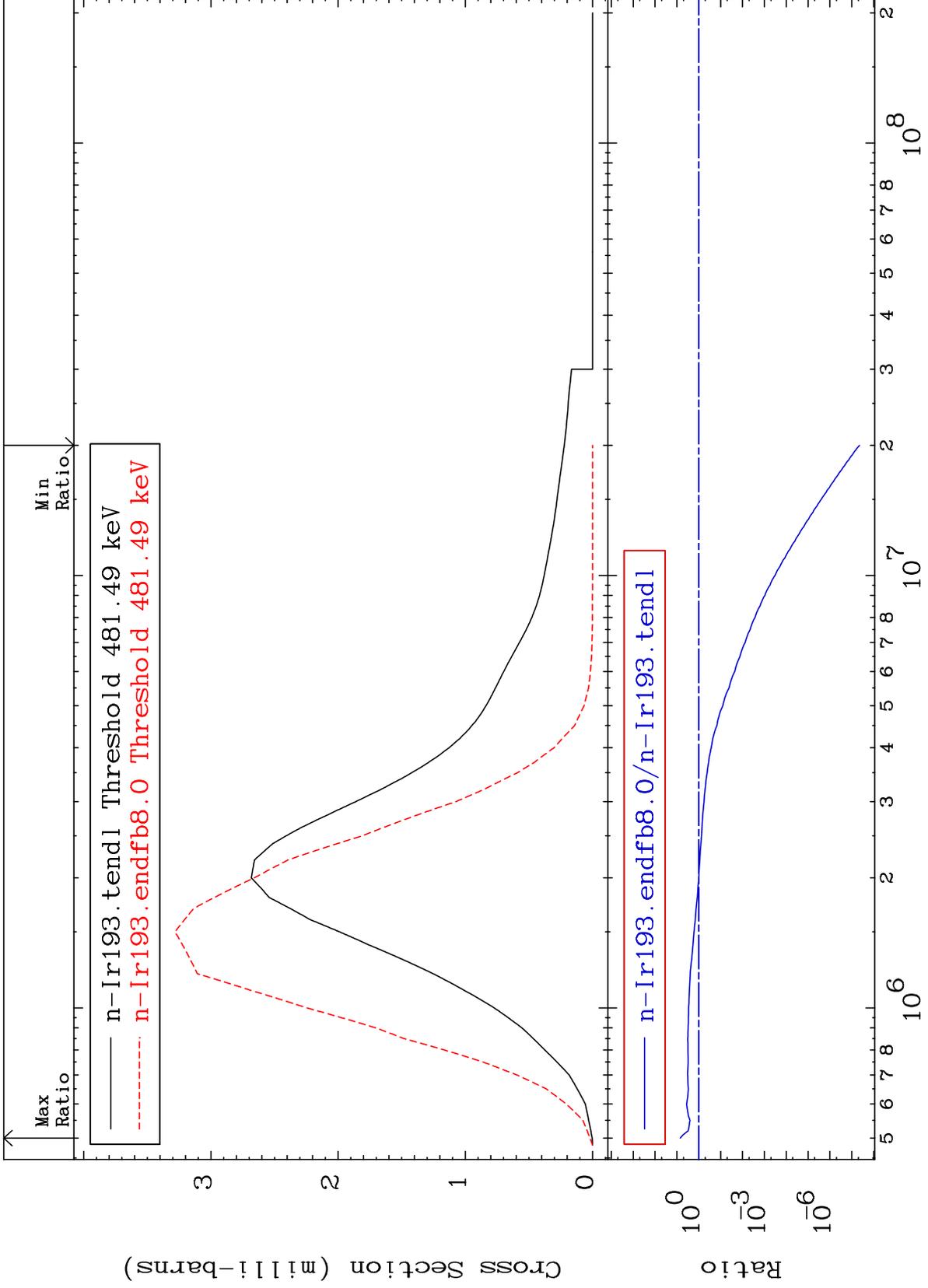
18

77-Ir-193

MAT 7731

MT= 60 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 602.4 %



19

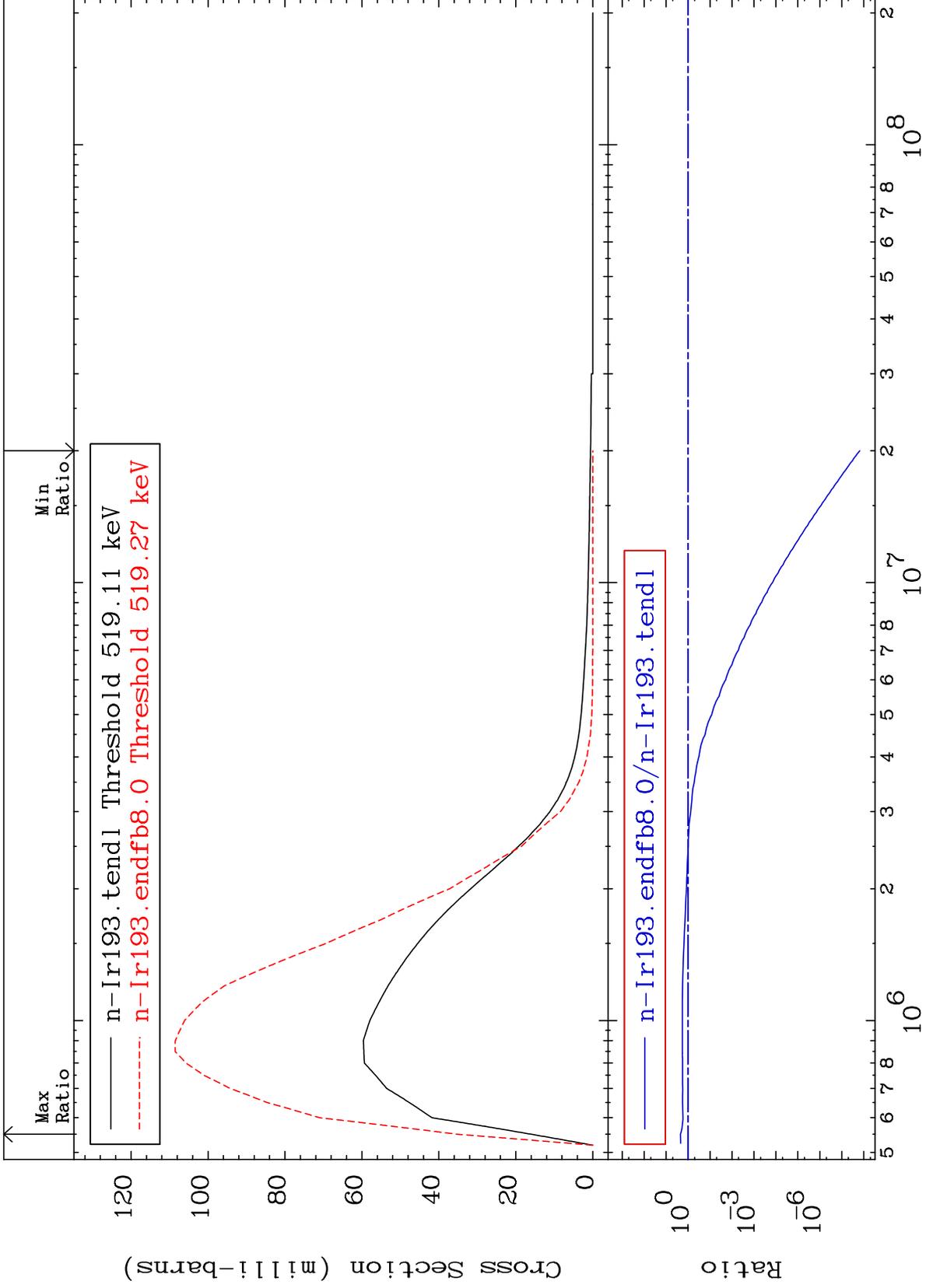
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 61 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 120.5 %



20

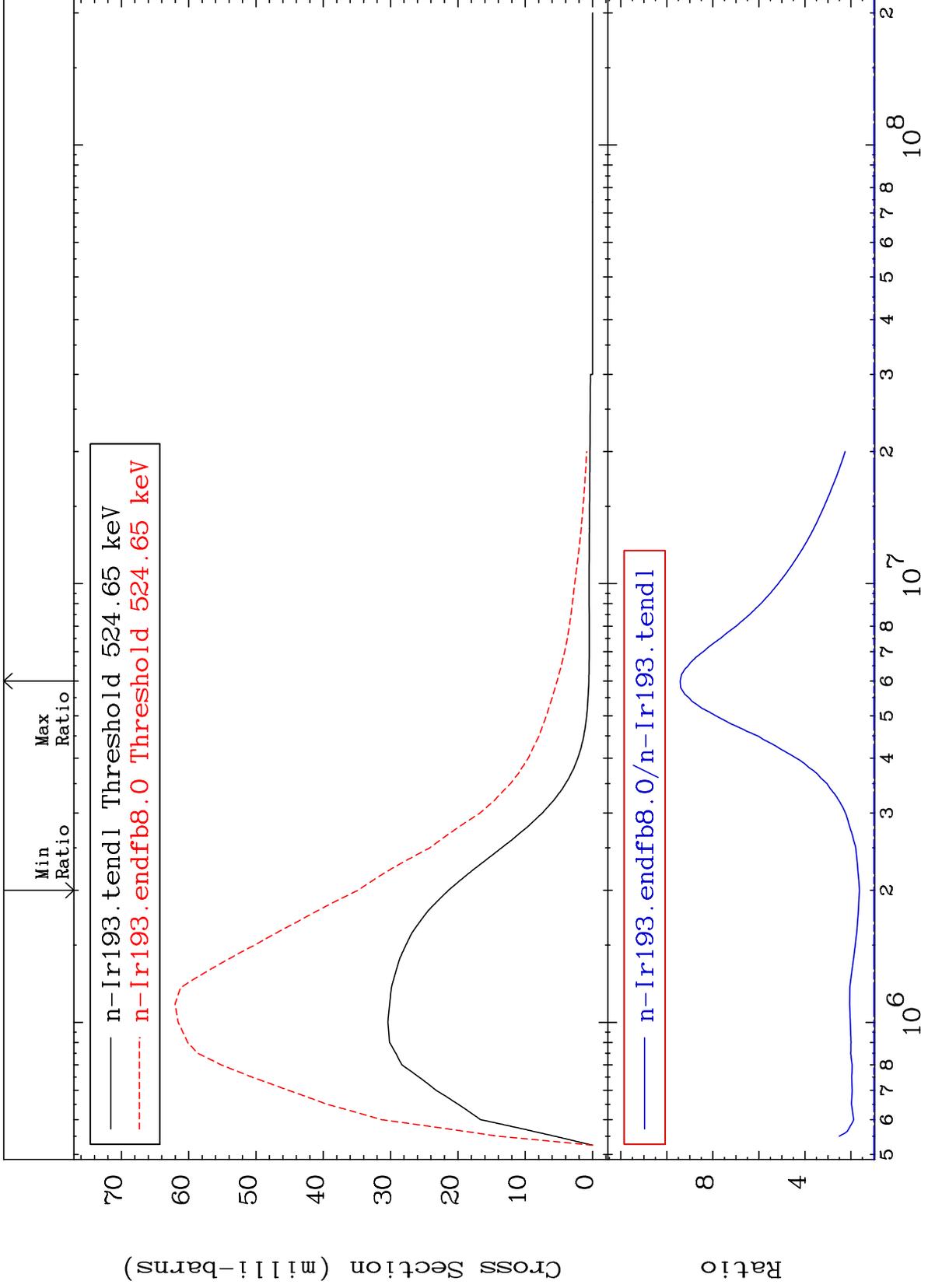
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 62 (n,n') Level  
Cross Section

77-Ir-193  
62.85 To 841.7 %



21

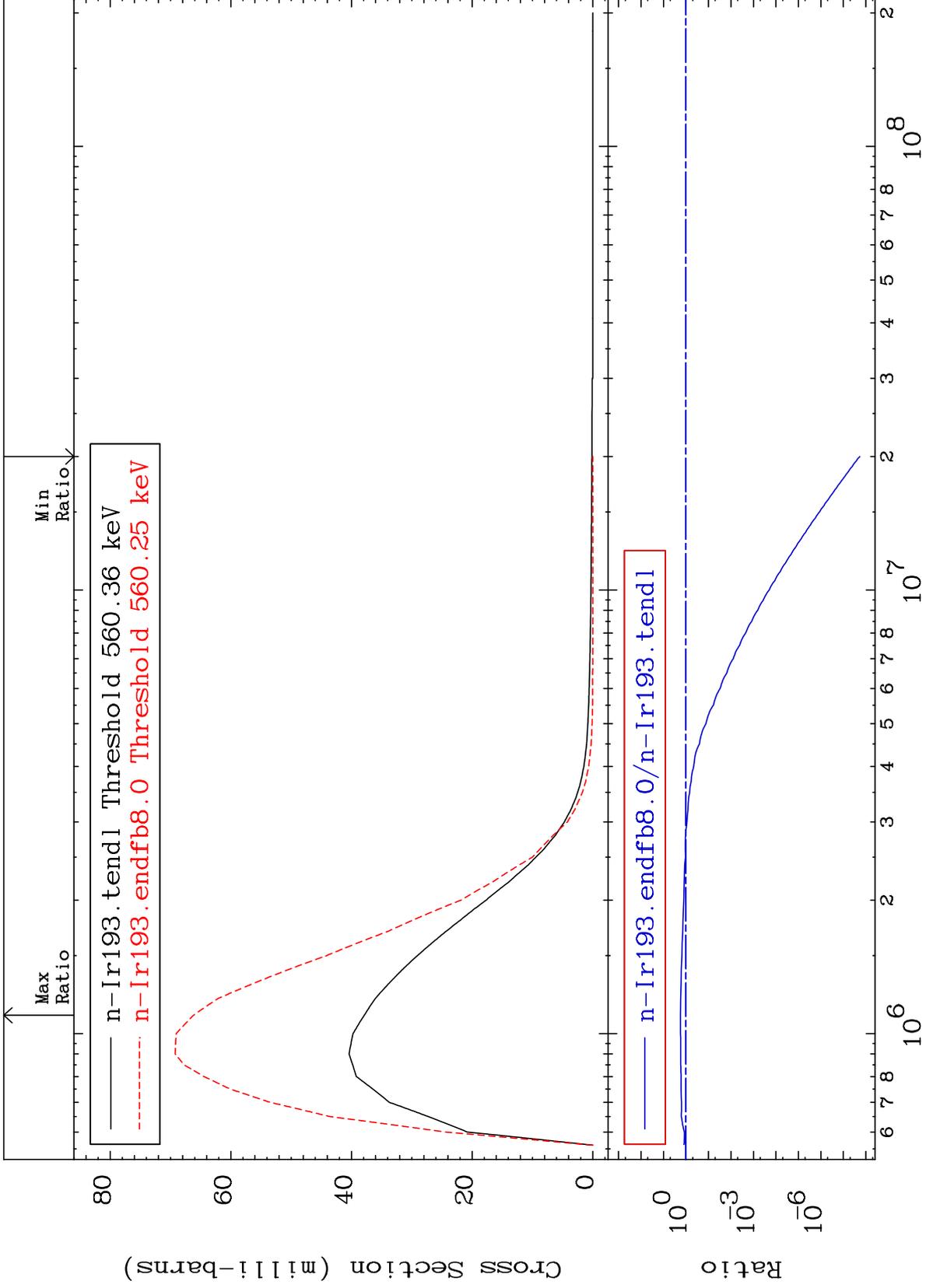
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 63 (n,n') Level  
Cross Section

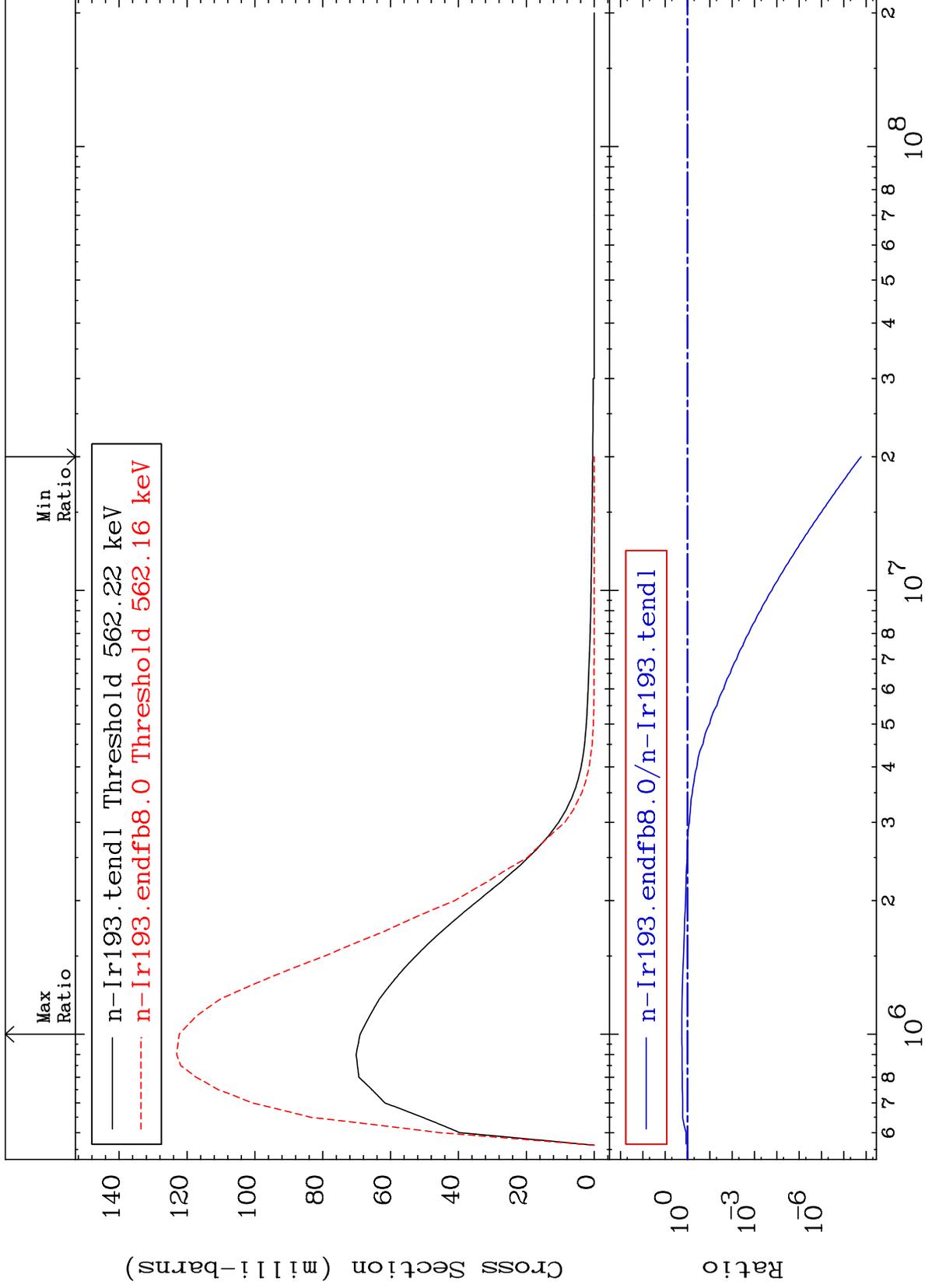
77-Ir-193  
-100.0 To 74.68 %



MAT 7731

MT= 64 (n,n') Level  
Cross Section

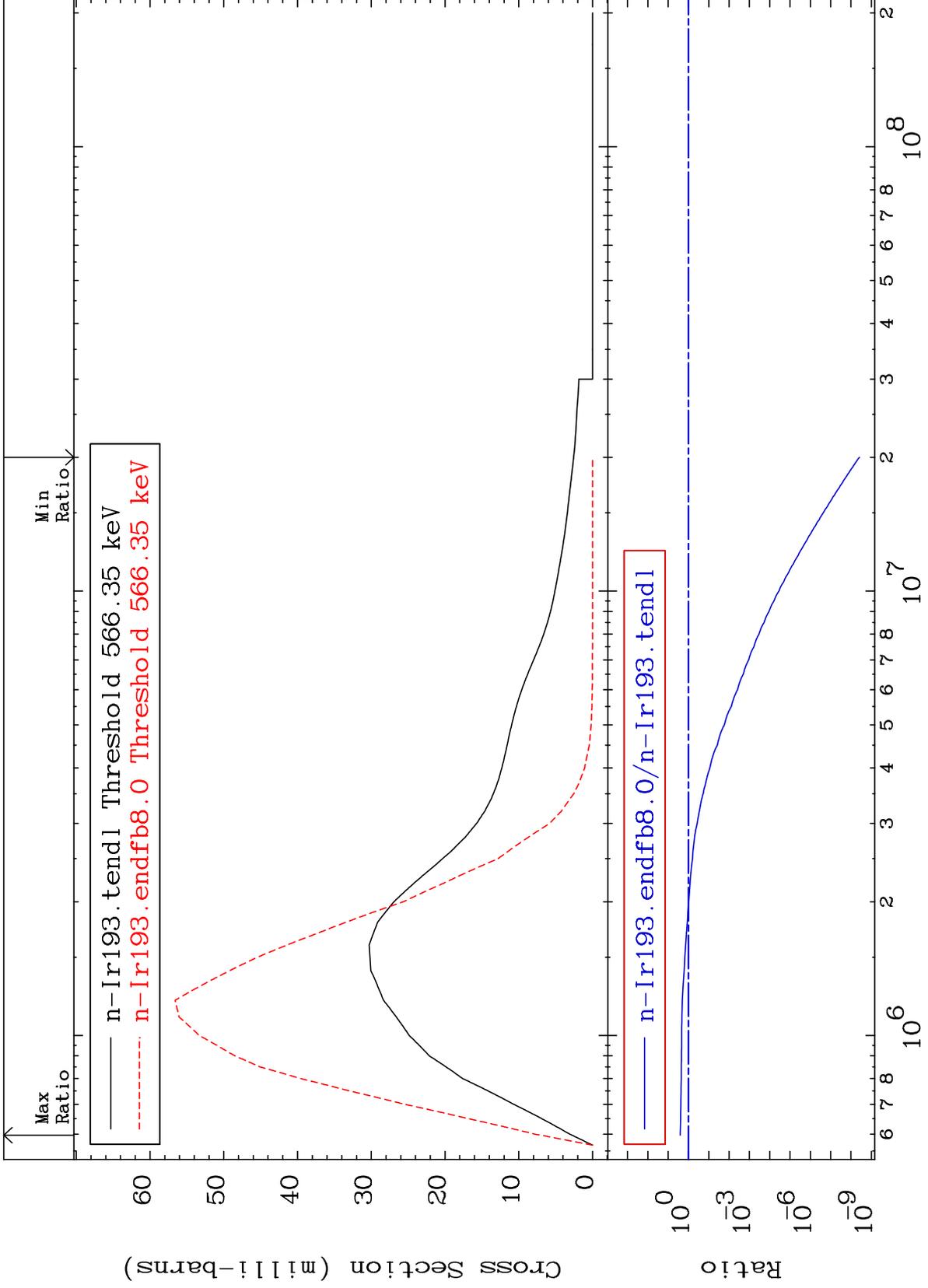
<sup>77</sup>Ir-193  
-100.0 To 77.33 %



MAT 7731

MT= 65 (n,n') Level  
Cross Section

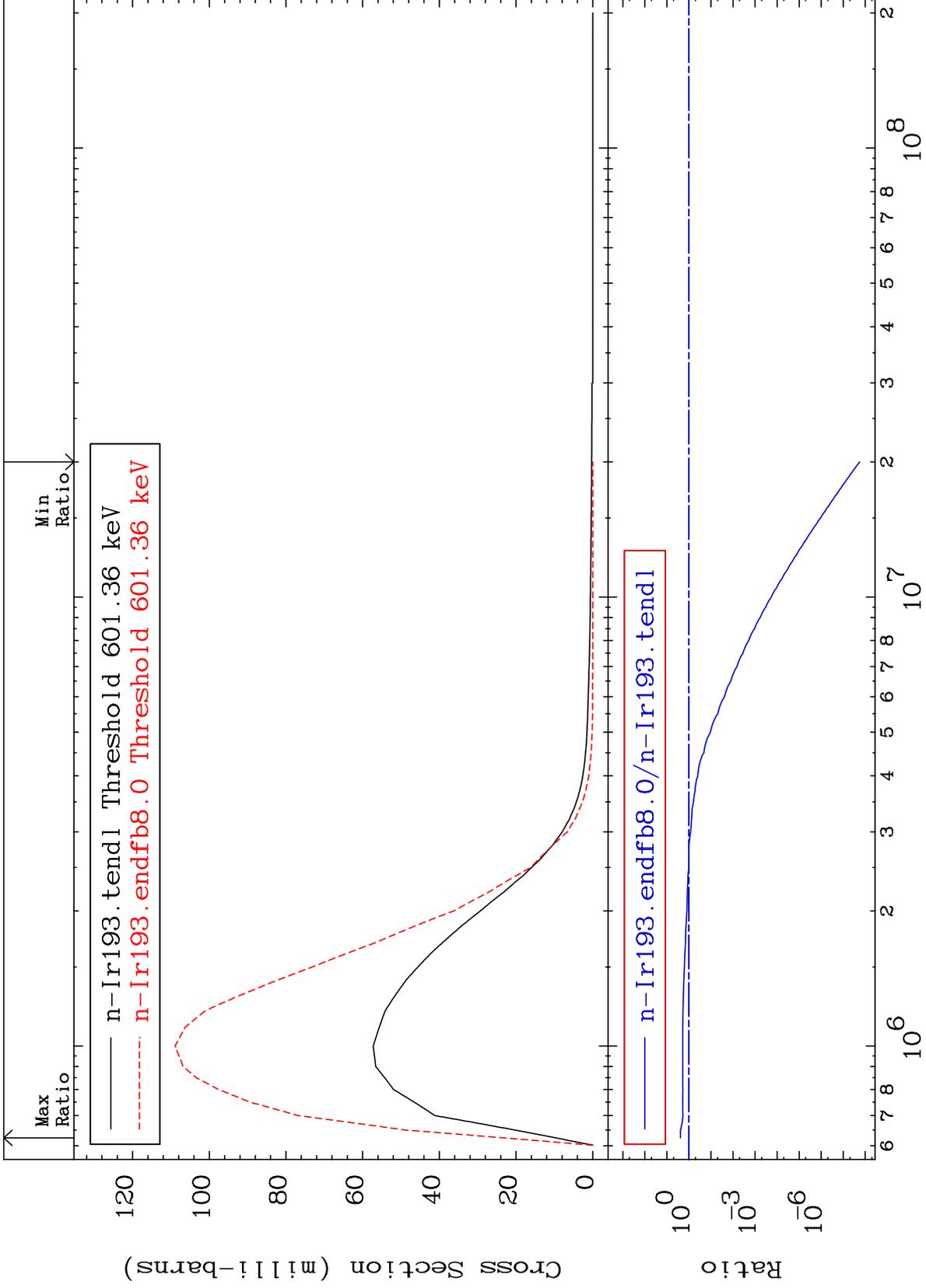
77-Ir-193  
-100.0 To 152.4 %



MAT 7731

MT= 66 (n,n') Level  
Cross Section

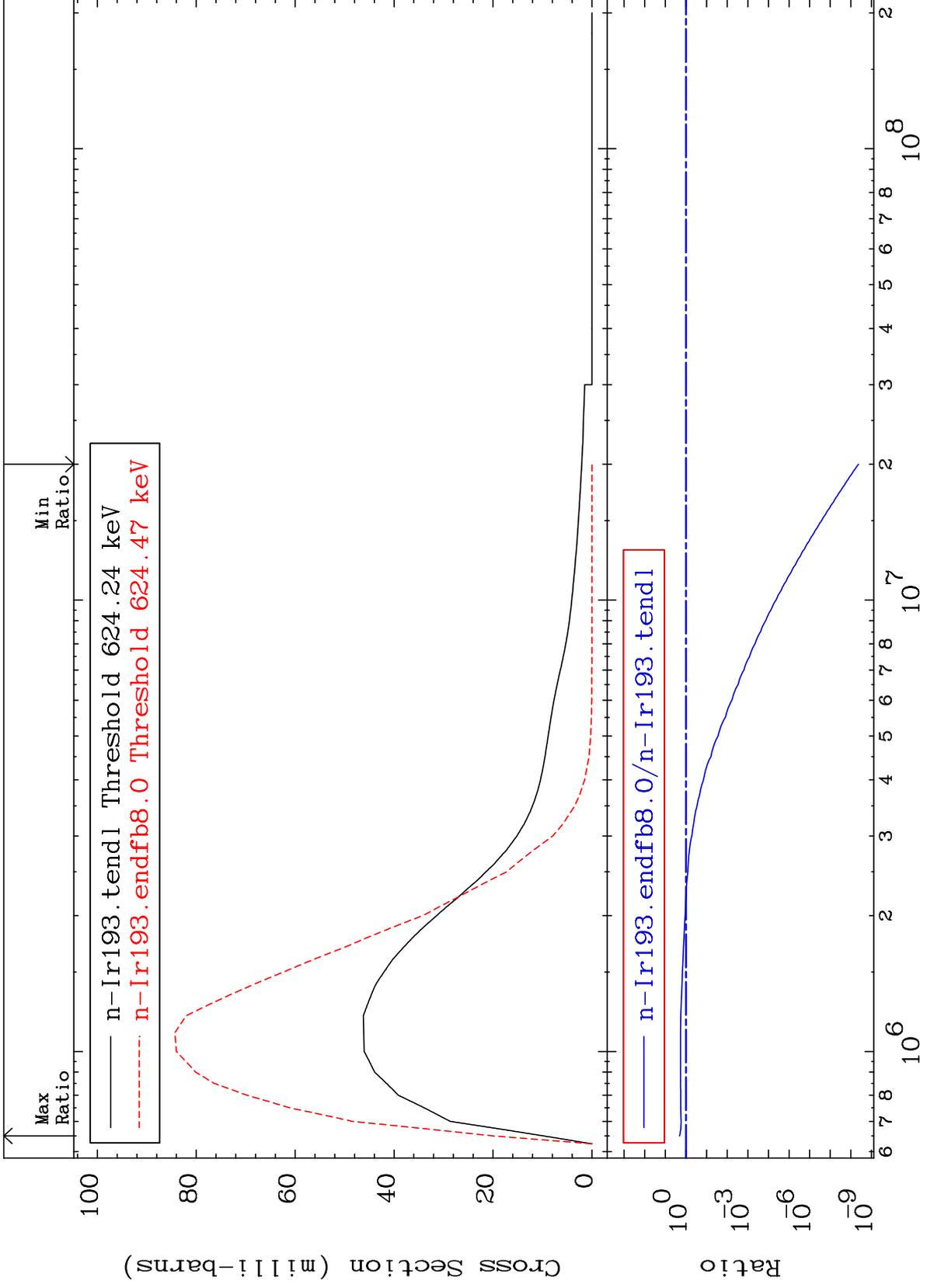
<sup>77</sup>Ir-193  
-100.0 To 140.4 %



MAT 7731

MT= 67 (n,n') Level  
Cross Section

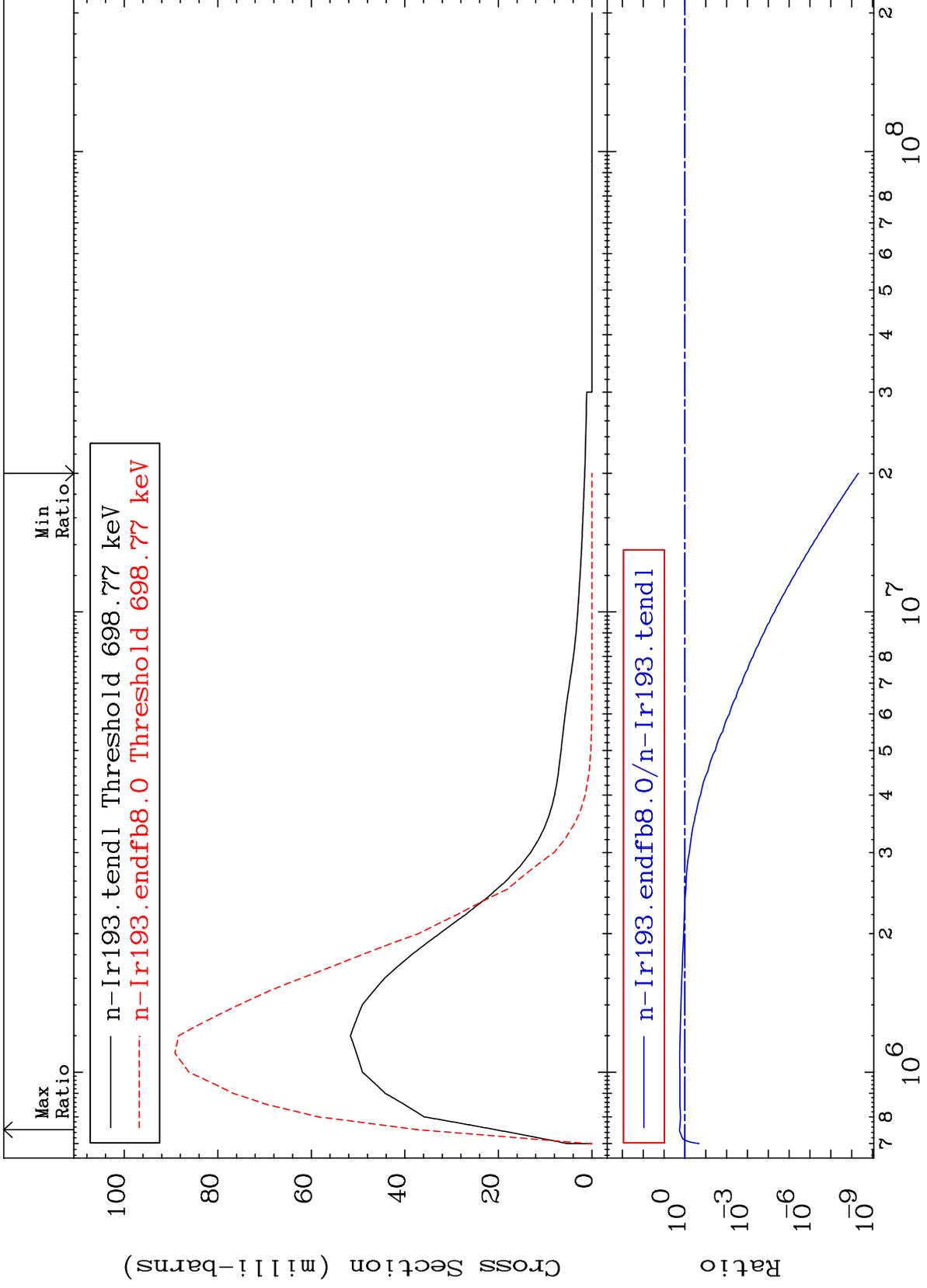
77-Ir-193  
-100.0 To 104.5 %



MAT 7731

MT= 68 (n,n') Level  
Cross Section

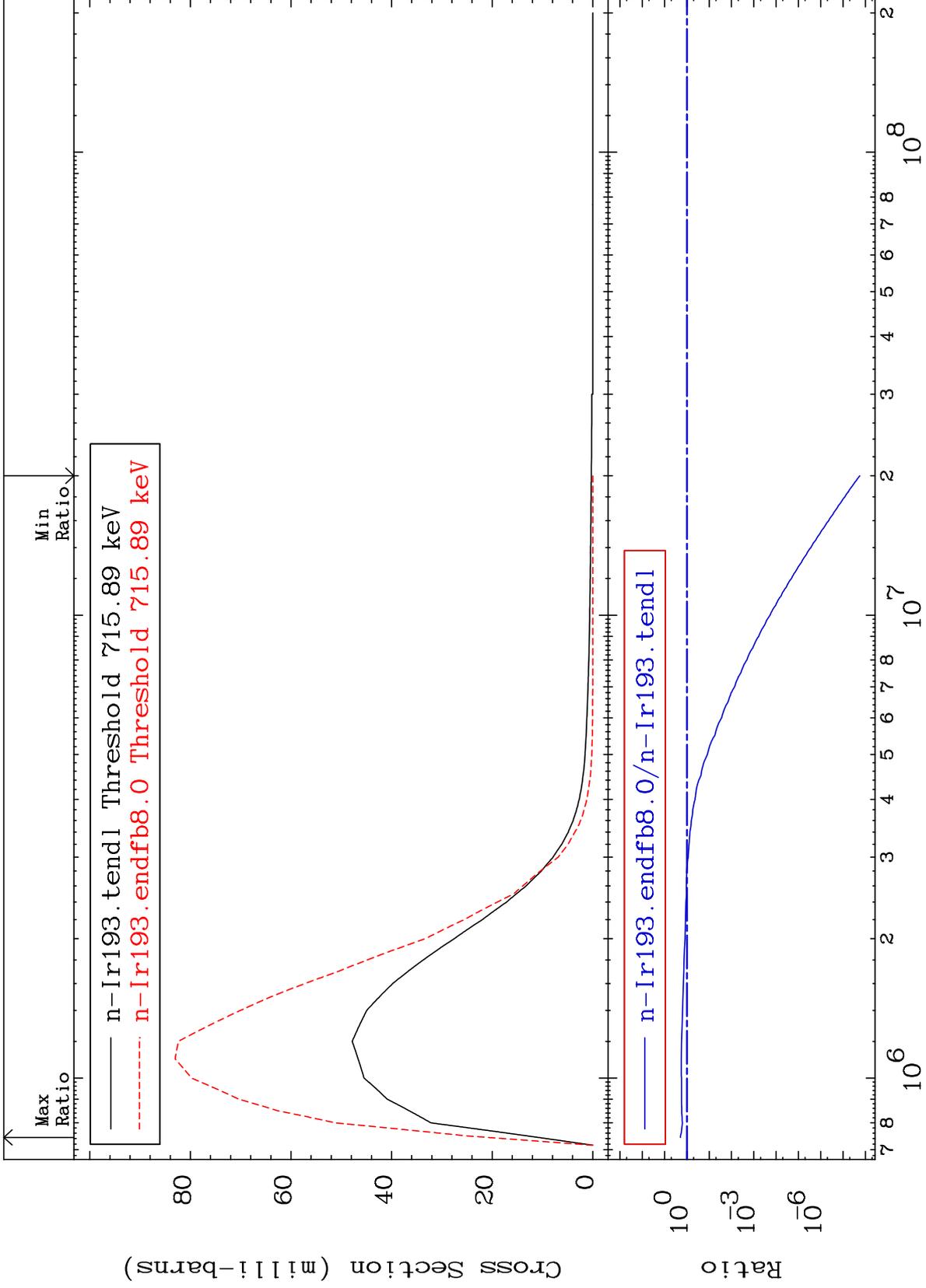
<sup>77</sup>Ir-193  
-100.0 To 81.25 %



MAT 7731

MT= 69 (n,n') Level  
Cross Section

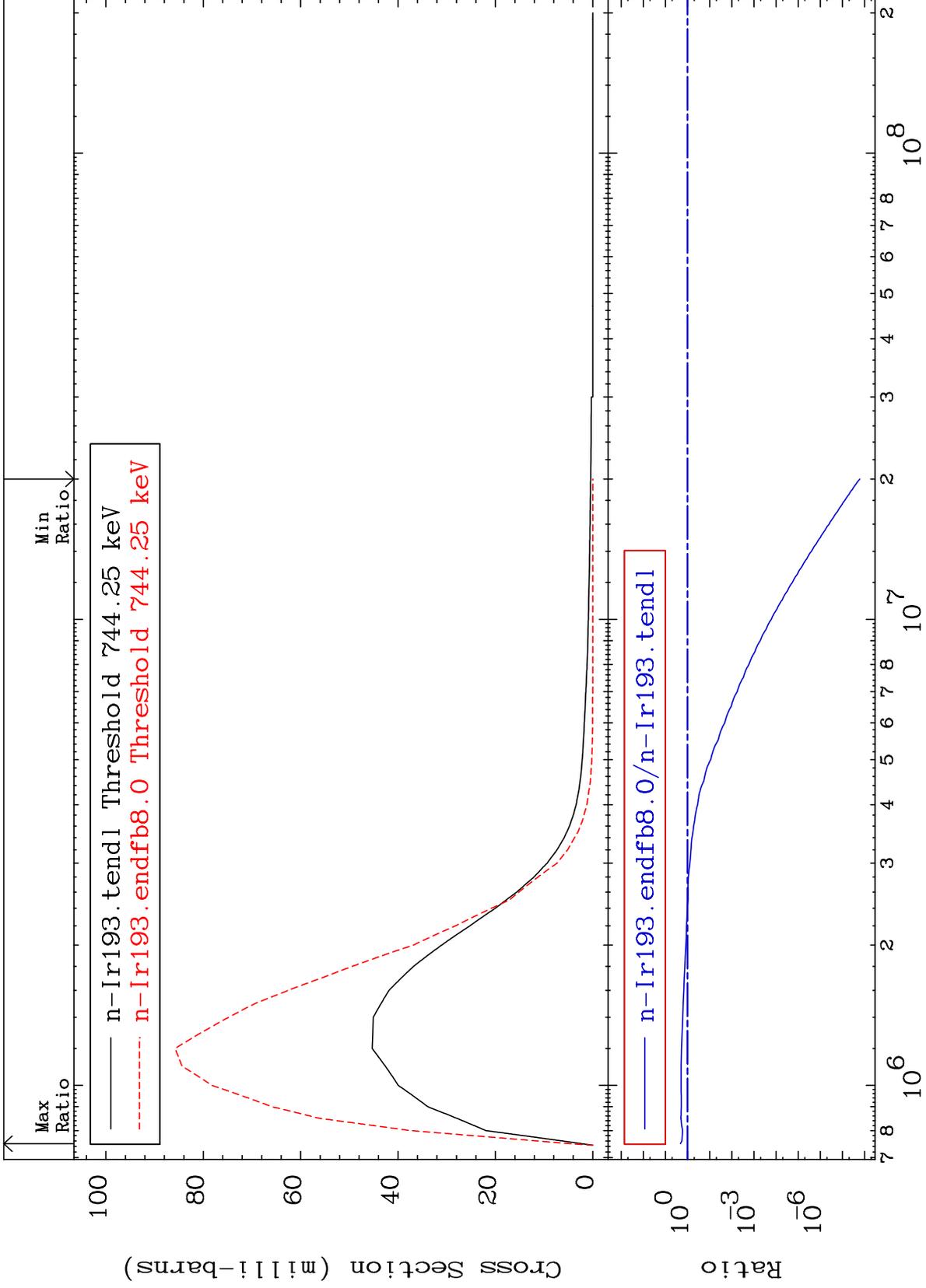
<sup>77</sup>Ir-193  
-100.0 To 92.51 %



MAT 7731

MT= 70 (n,n') Level  
Cross Section

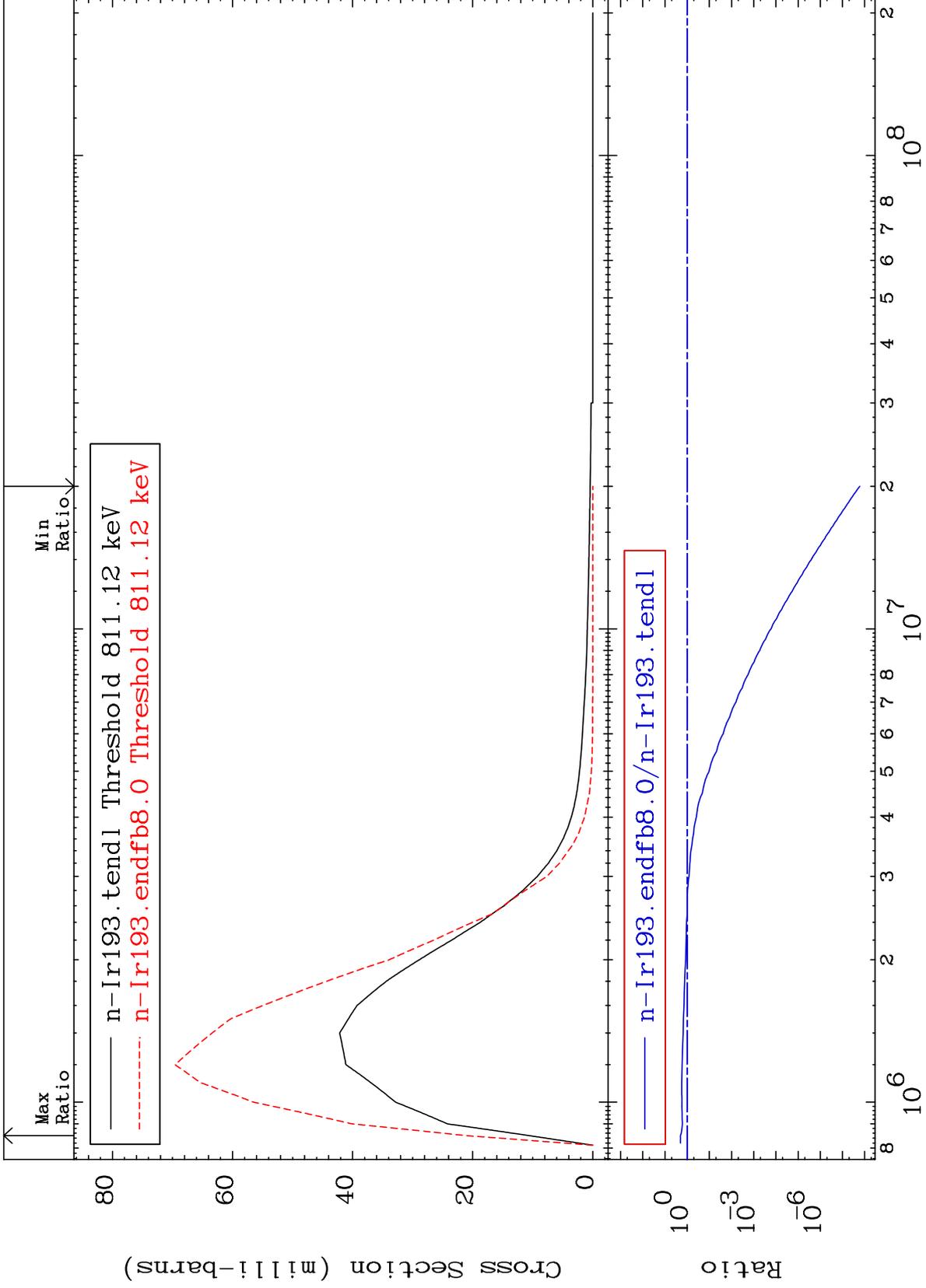
<sup>77</sup>Ir-<sup>193</sup>  
-100.0 To 109.6 %



MAT 7731

MT= 71 (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>193</sup>  
-100.0 To 99.38 %



30

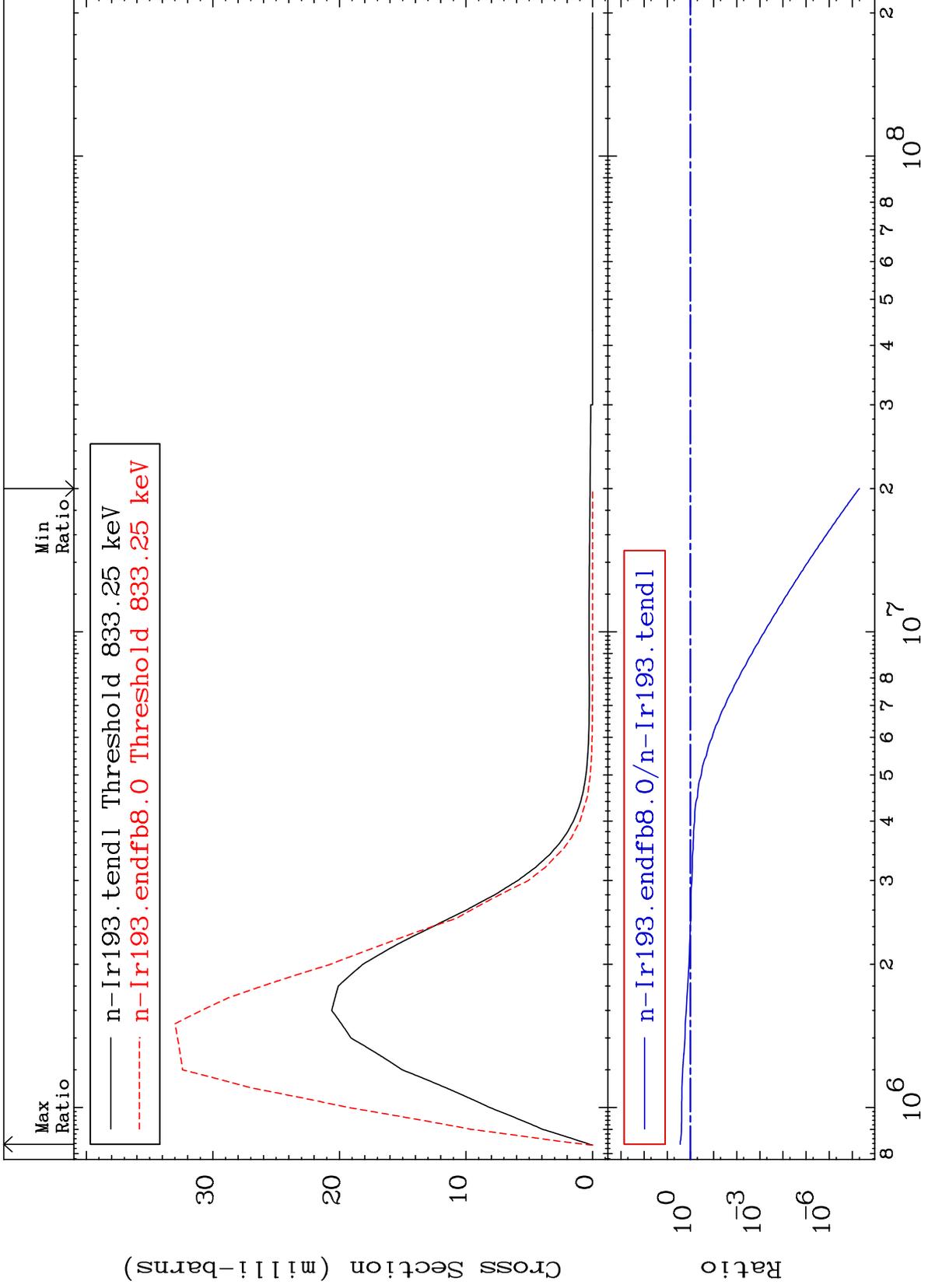
Incident Energy (eV)

<sup>77</sup>Ir-<sup>193</sup>

MAT 7731

MT= 72 (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>193</sup>  
-100.0 To 173.9 %



31

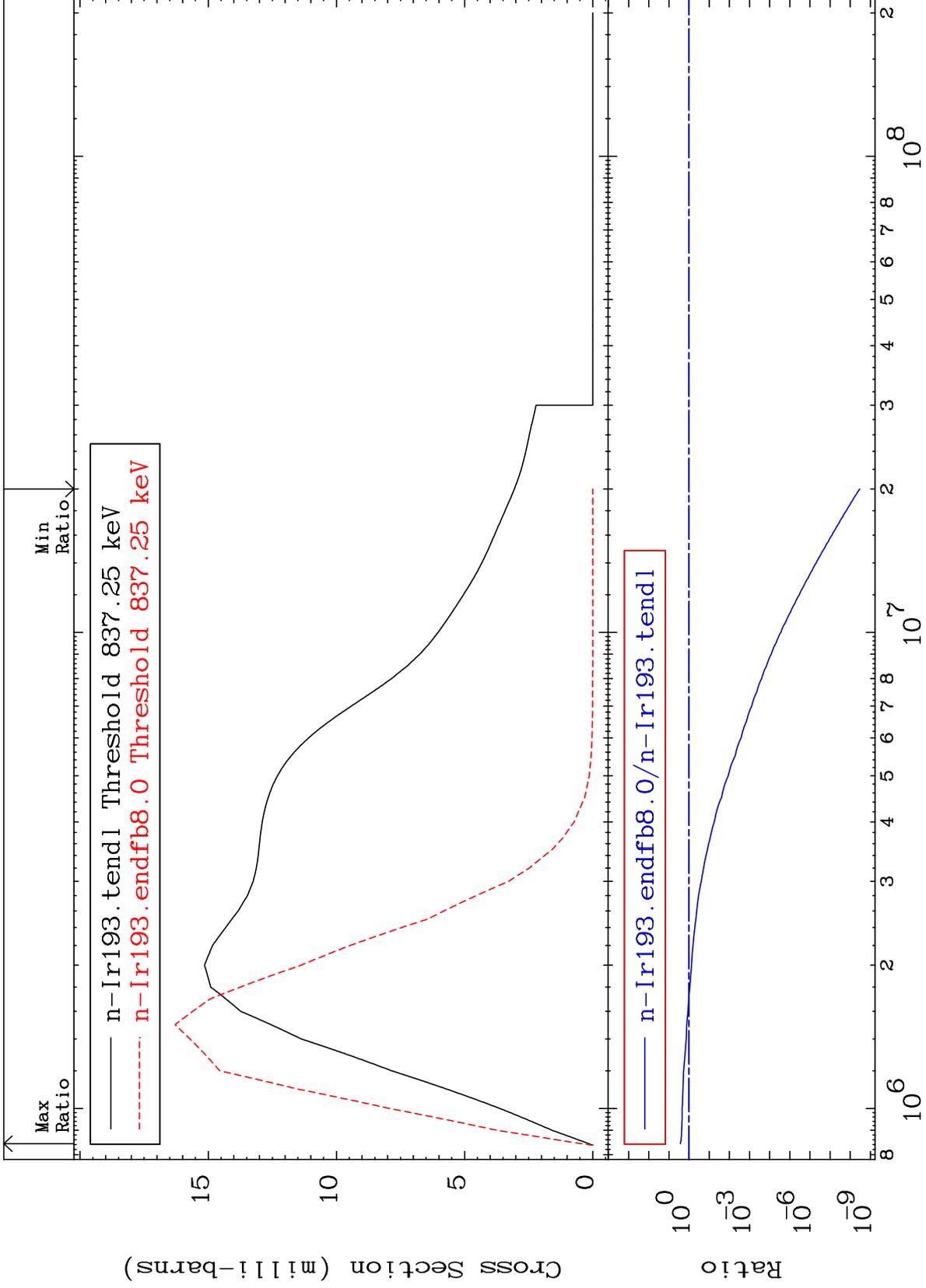
Incident Energy (eV)

<sup>77</sup>Ir-<sup>193</sup>

MAT 7731

MT= 73 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 165.9 %



32

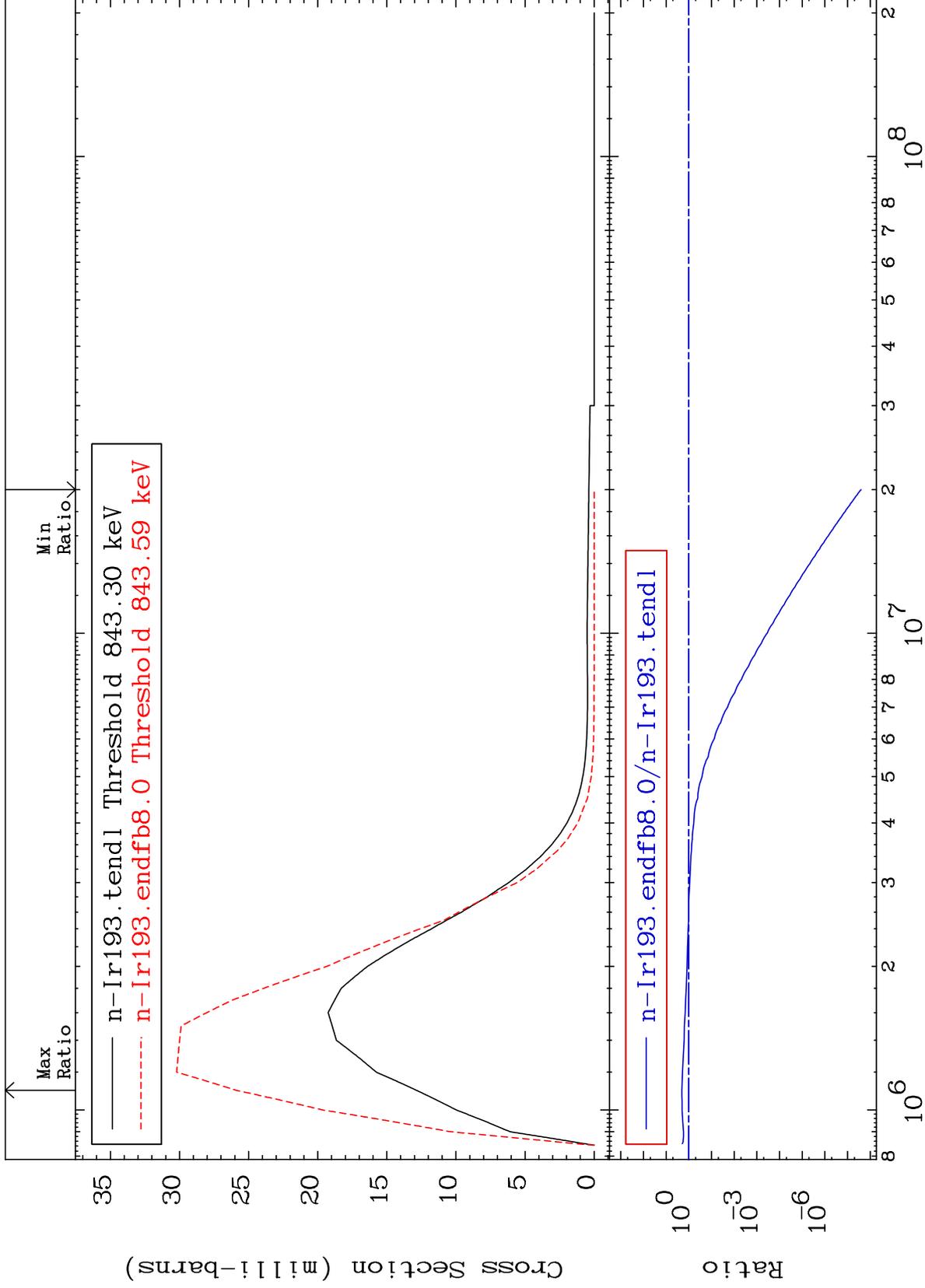
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 74 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 101.4 %



33

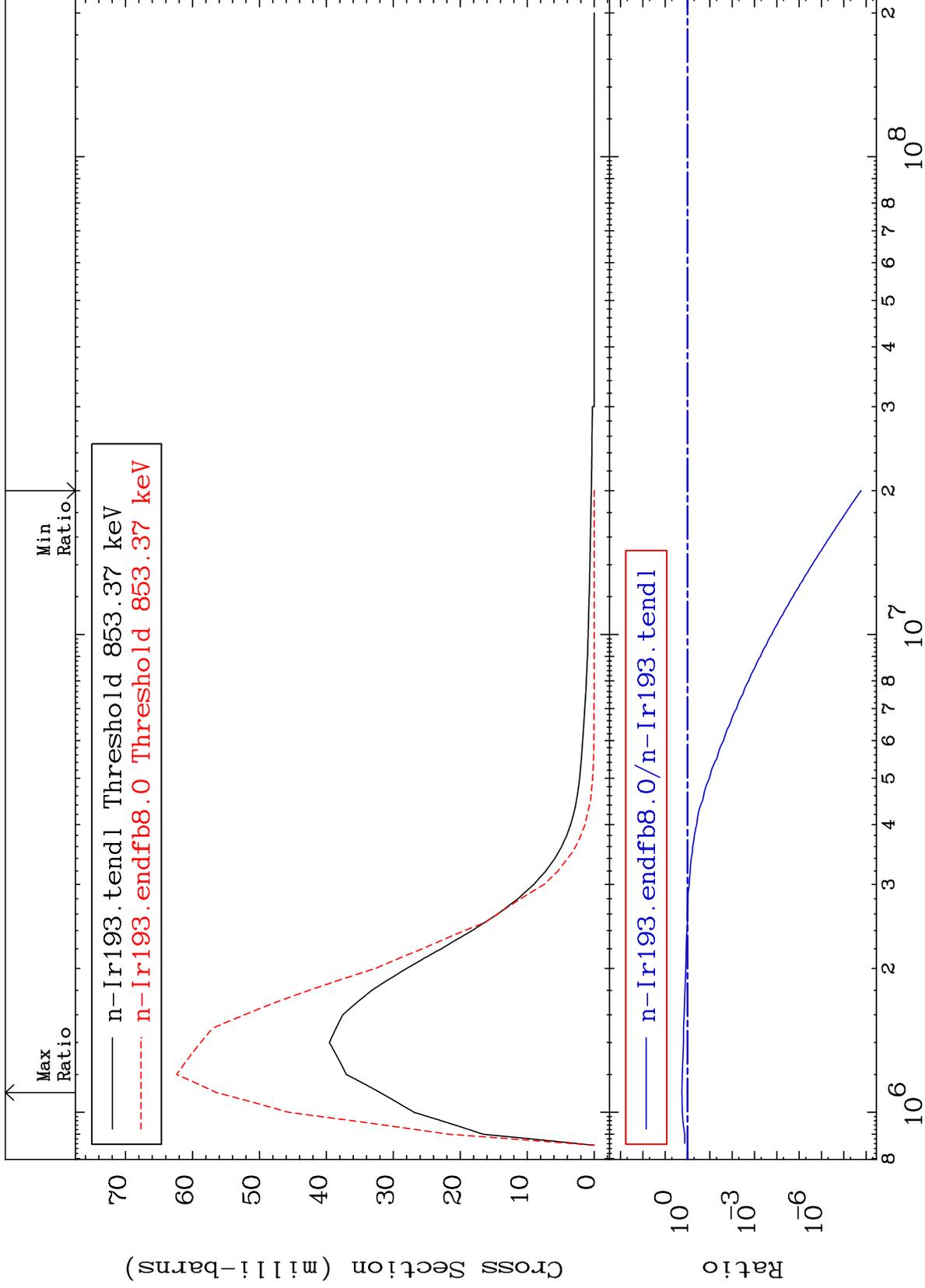
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 75 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 76.50 %



34

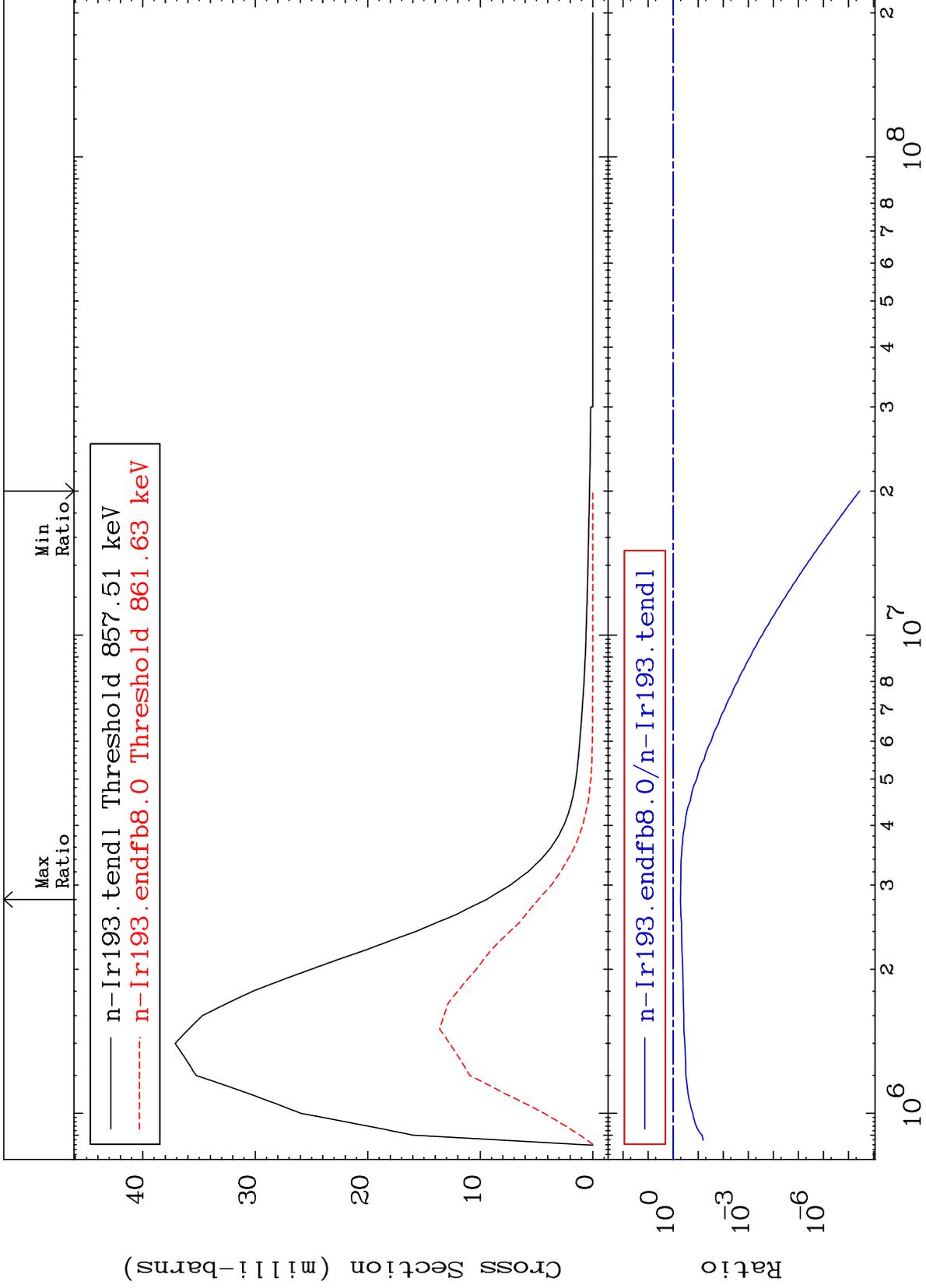
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 76 (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>193</sup>  
-100.0 To -48.87%



35

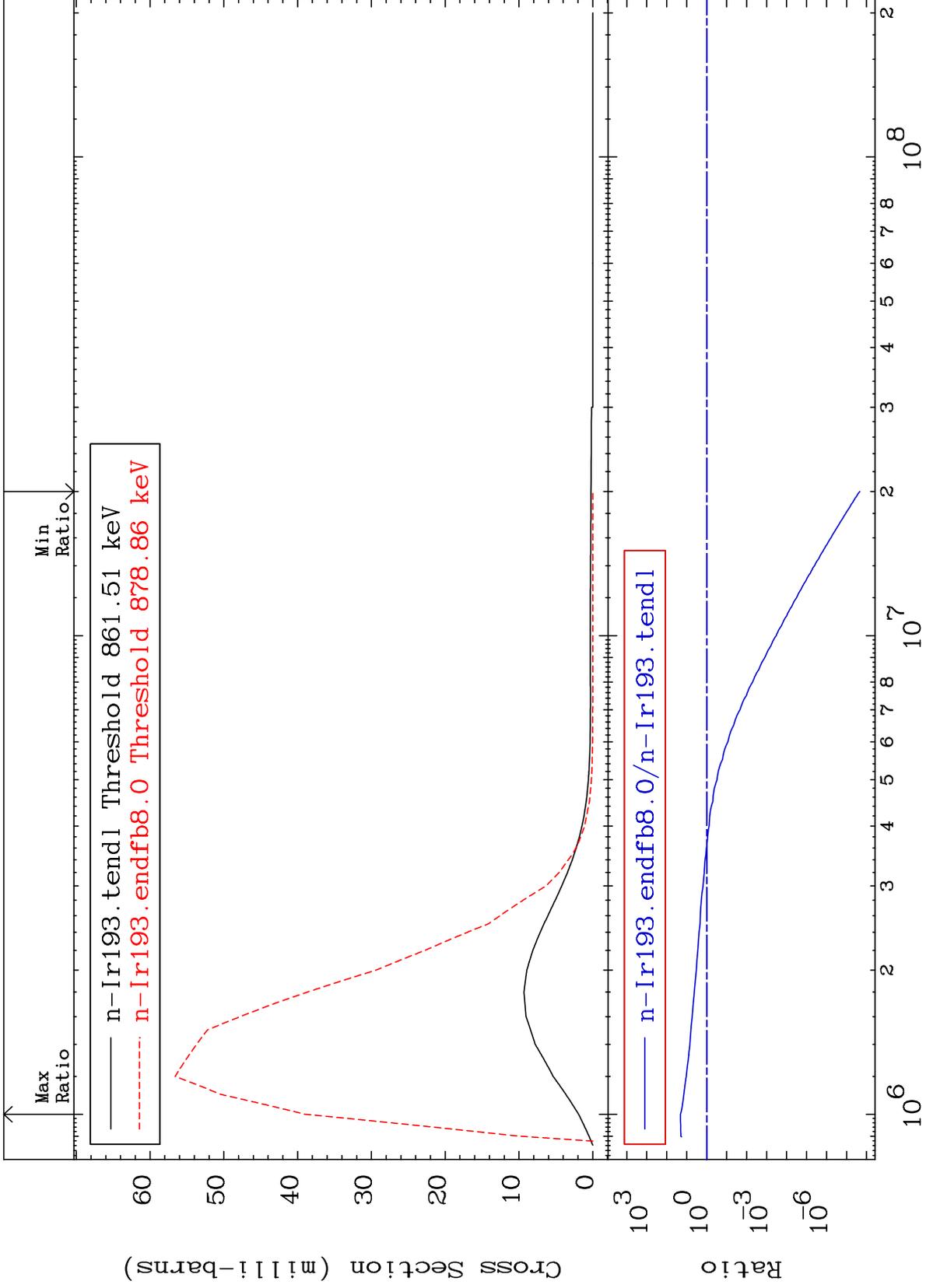
Incident Energy (eV)

<sup>77</sup>Ir-<sup>193</sup>

MAT 7731

MT= 77 (n,n') Level  
Cross Section

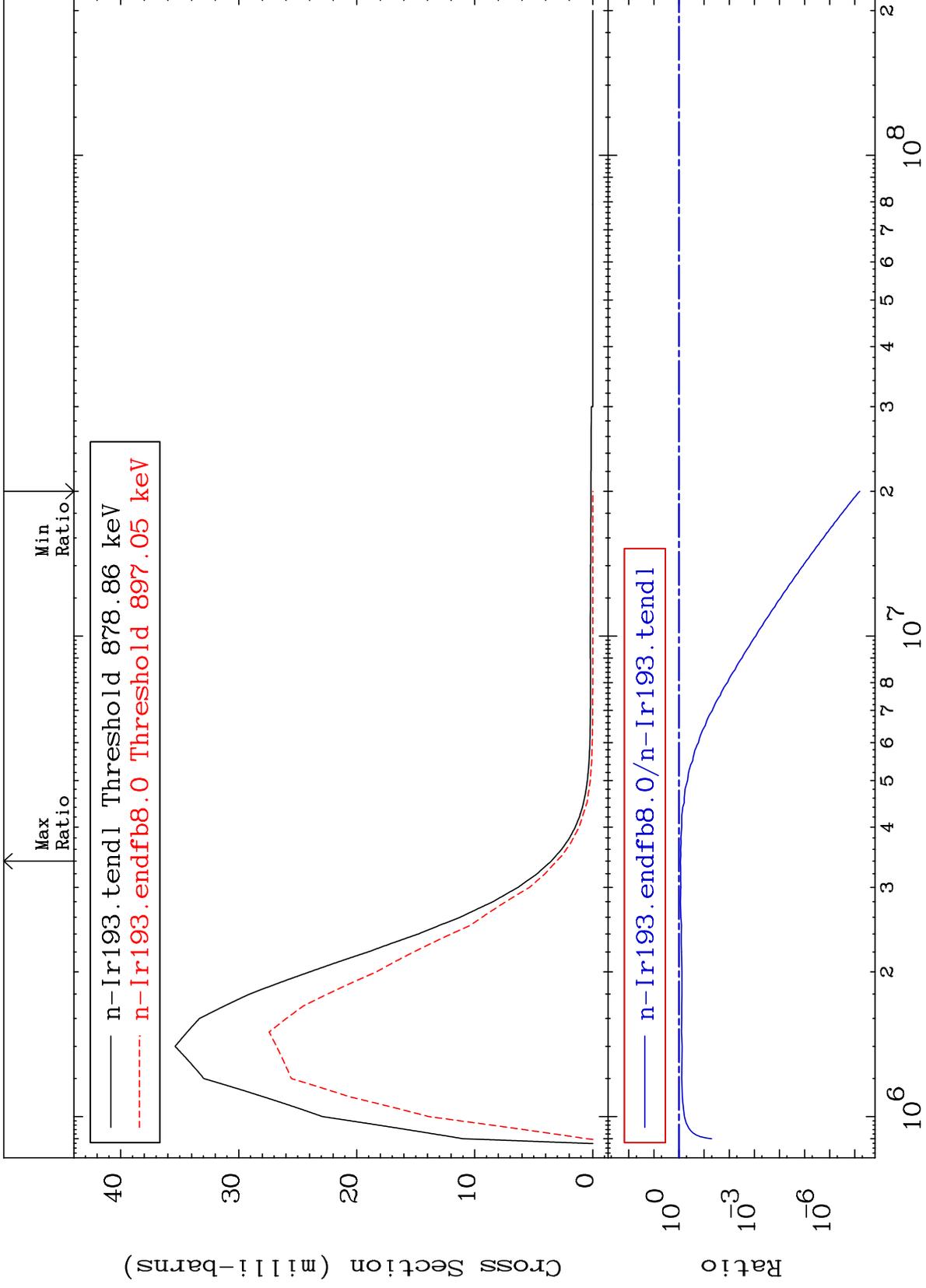
77-Ir-193  
-100.0 To 1937. %



MAT 7731

MT= 78 (n,n') Level  
Cross Section

<sup>77</sup>Ir-193  
-100.0 To -12.81%



37

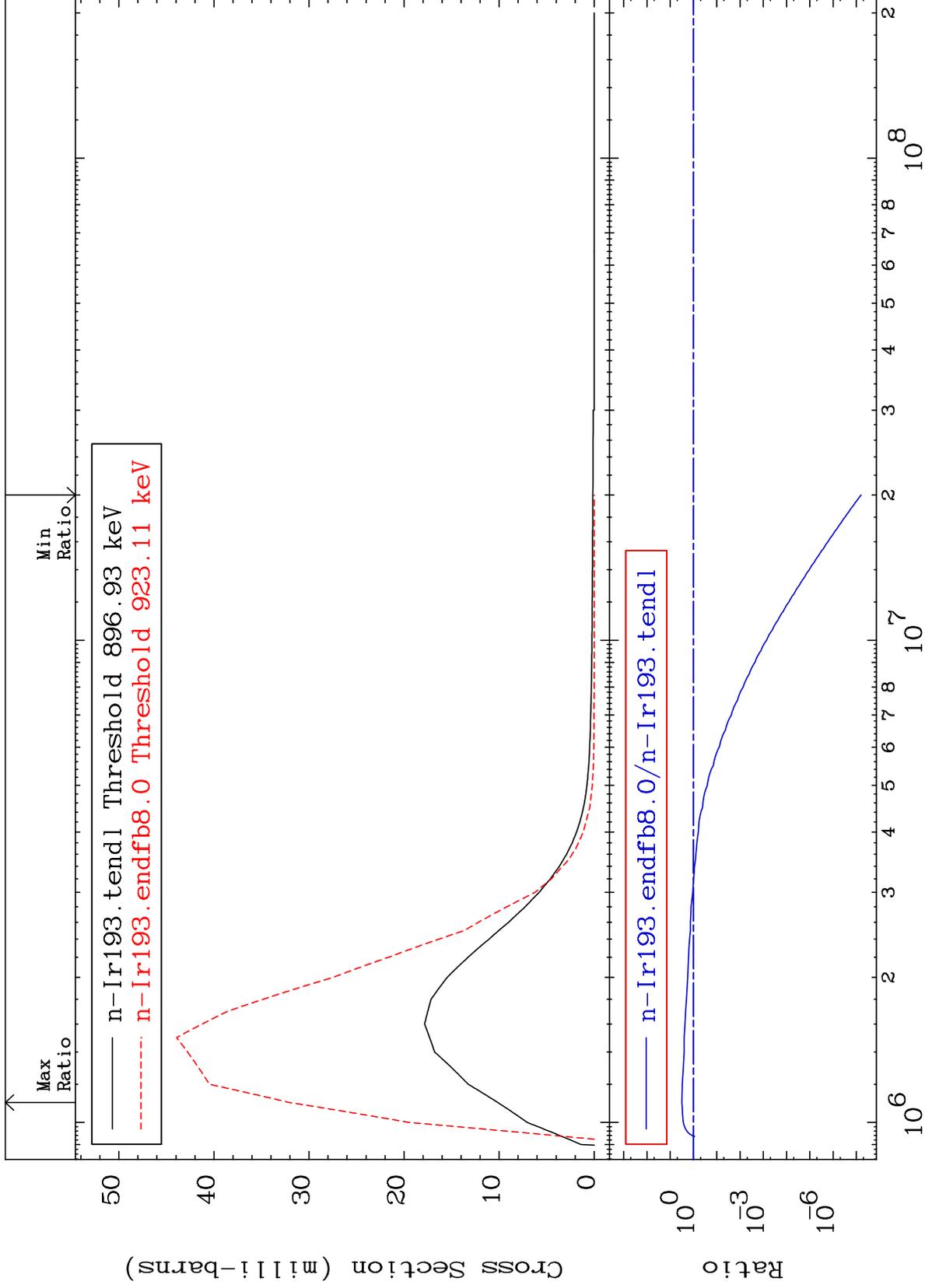
Incident Energy (eV)

<sup>77</sup>Ir-193

MAT 7731

MT= 79 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To 216.0 %



38

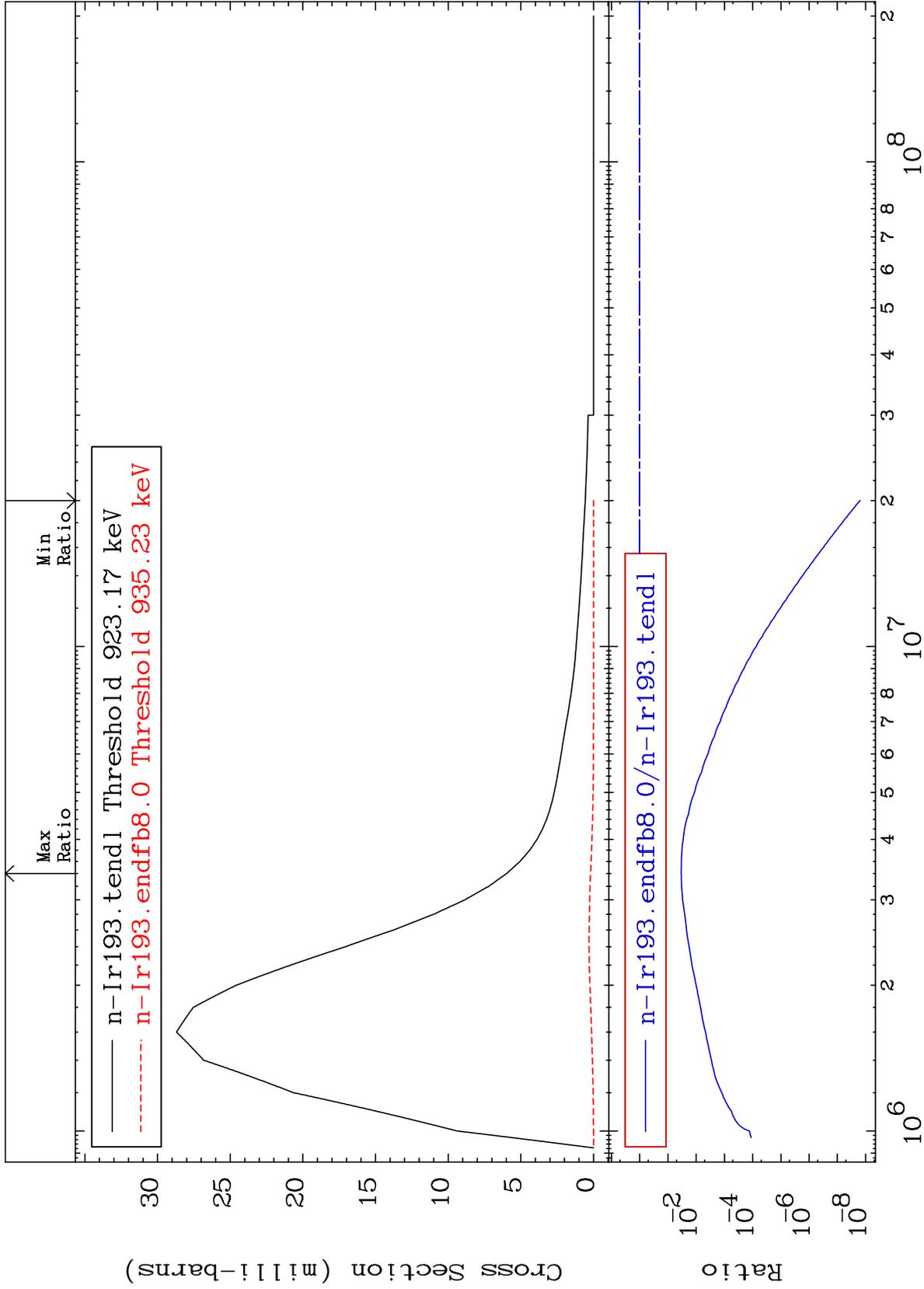
Incident Energy (eV)

77-Ir-193

MAT 7731

MT= 80 (n,n') Level  
Cross Section

77-Ir-193  
-100.0 To -96.60%



39

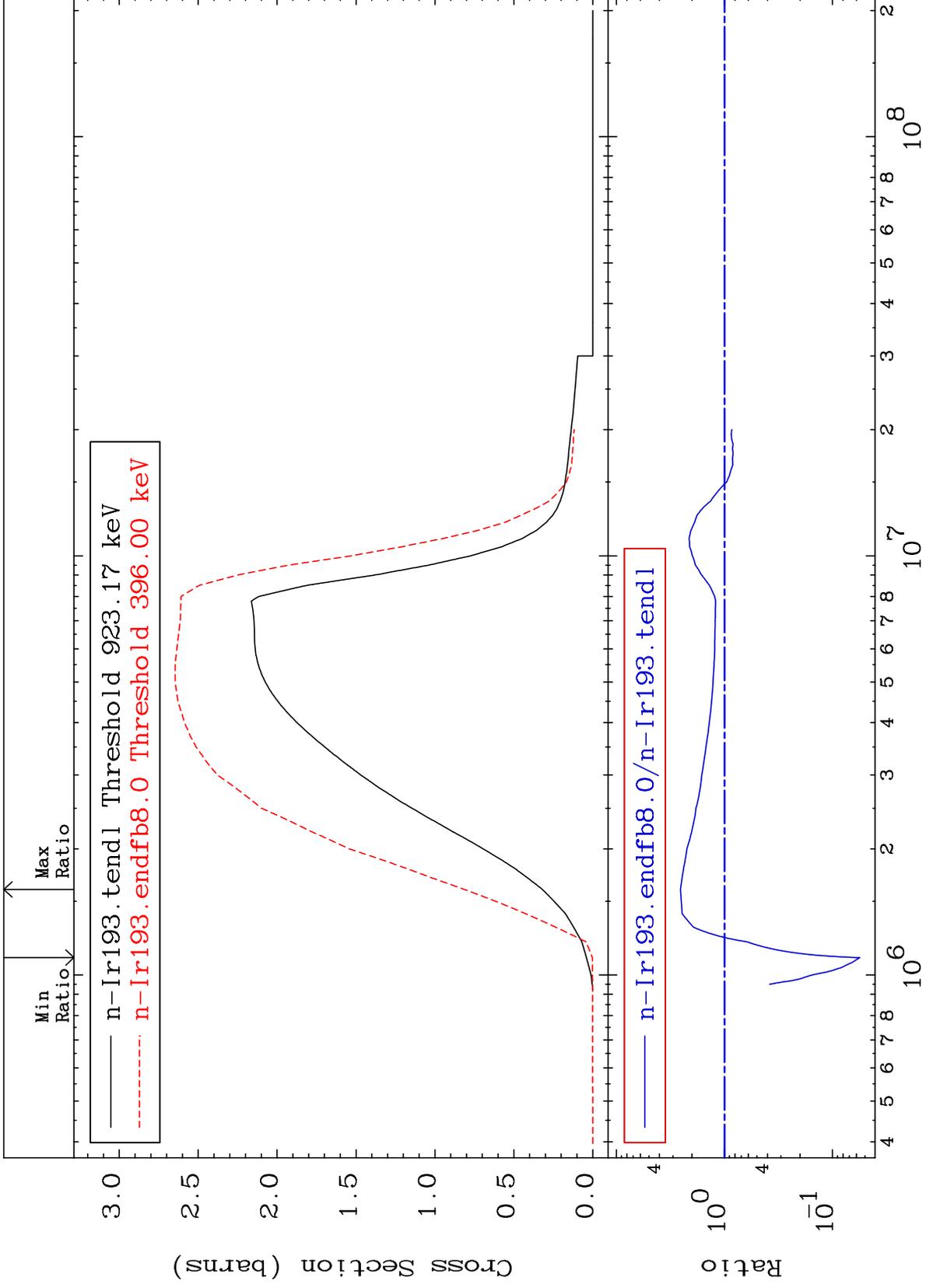
Incident Energy (eV)

77-Ir-193

MAT 7731

(n, n') Continuum  
Cross Section

<sup>77</sup>Ir-<sup>193</sup>  
-94.41 To 154.9 %



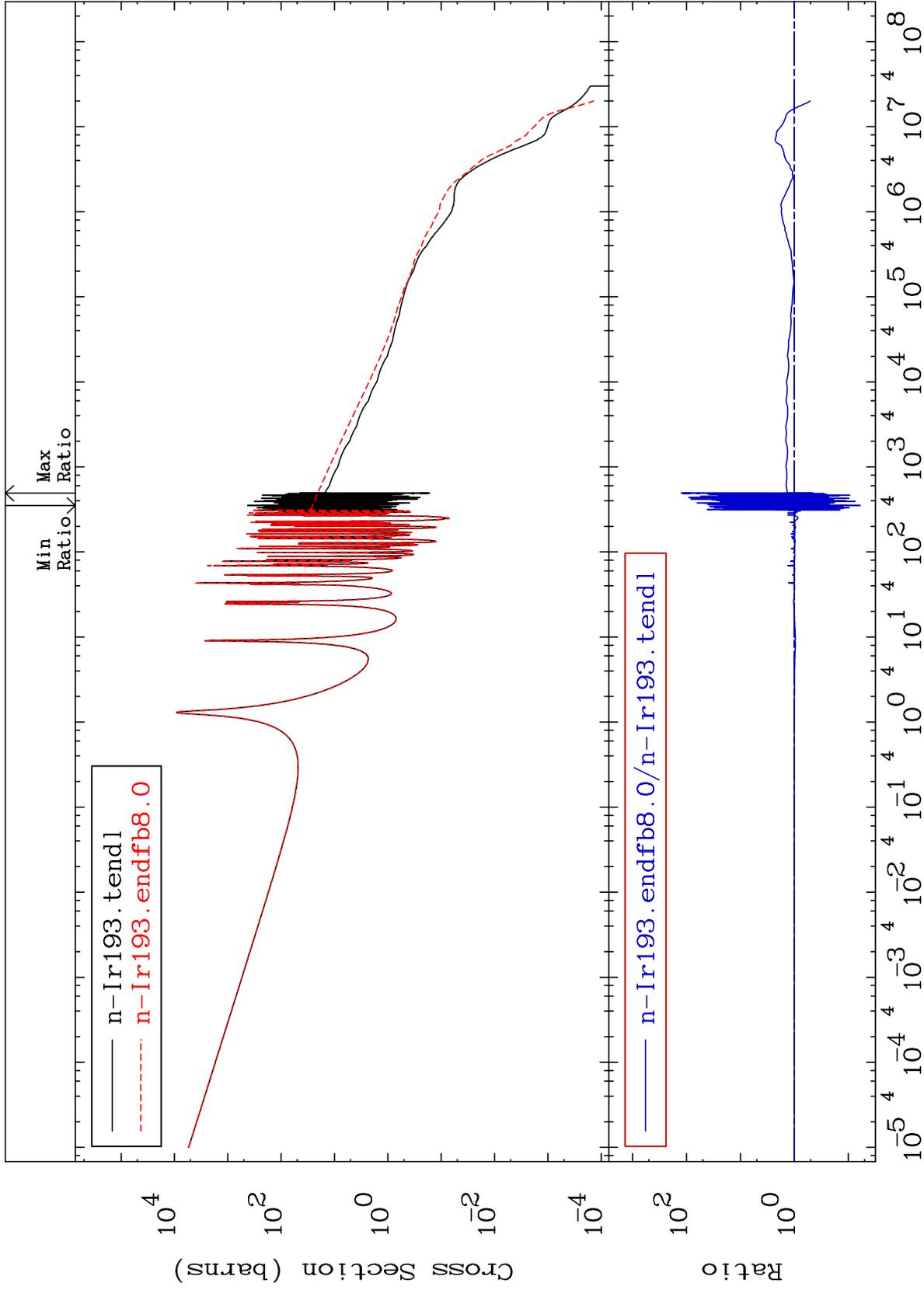
MAT 7731

(n,  $\gamma$ )

77-Ir-193

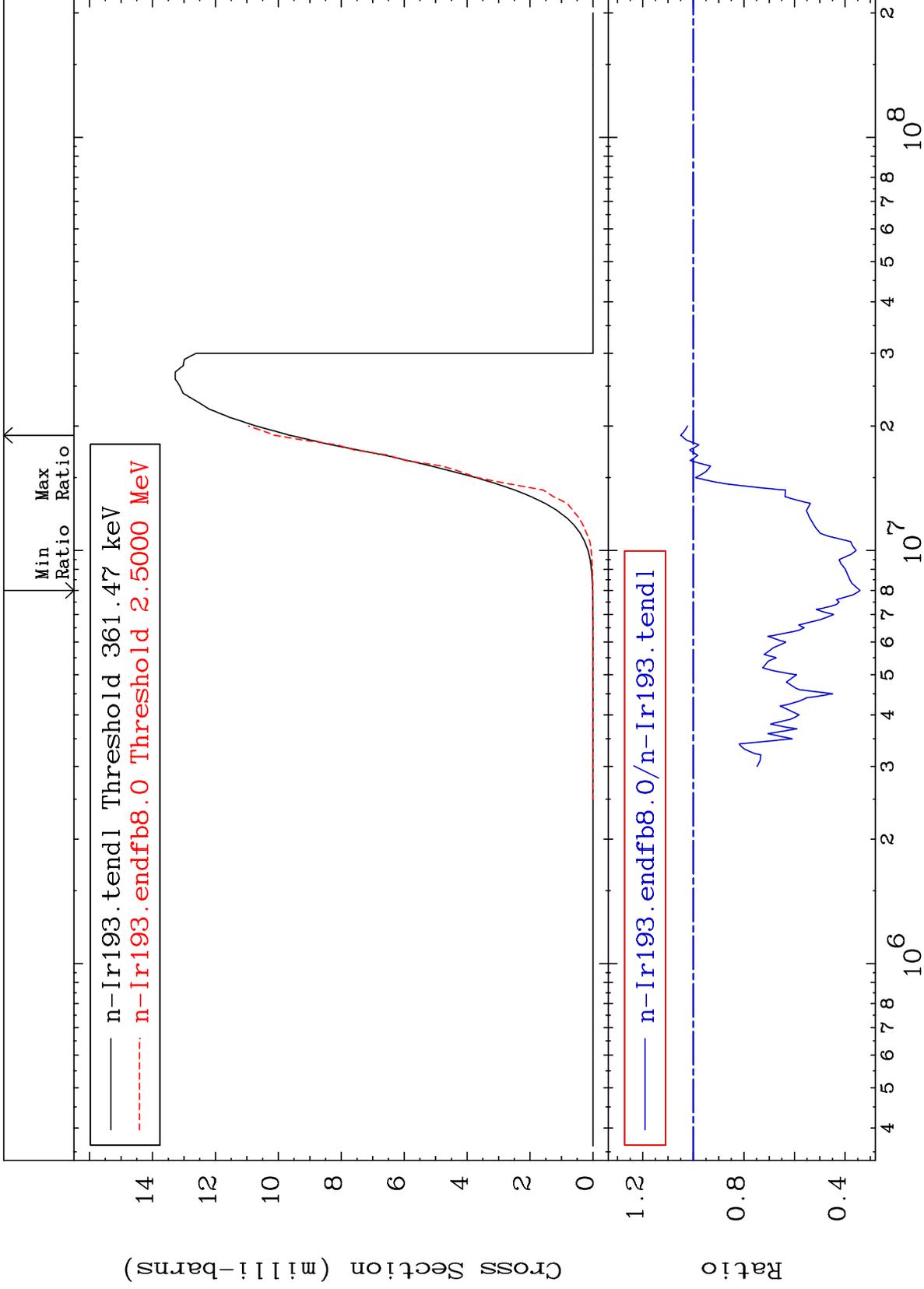
Cross Section

-93.97 To 9999. %



MAT 7731

(n, p)  
Cross Section  
77-Ir-193  
-65.94 To 4.977 %



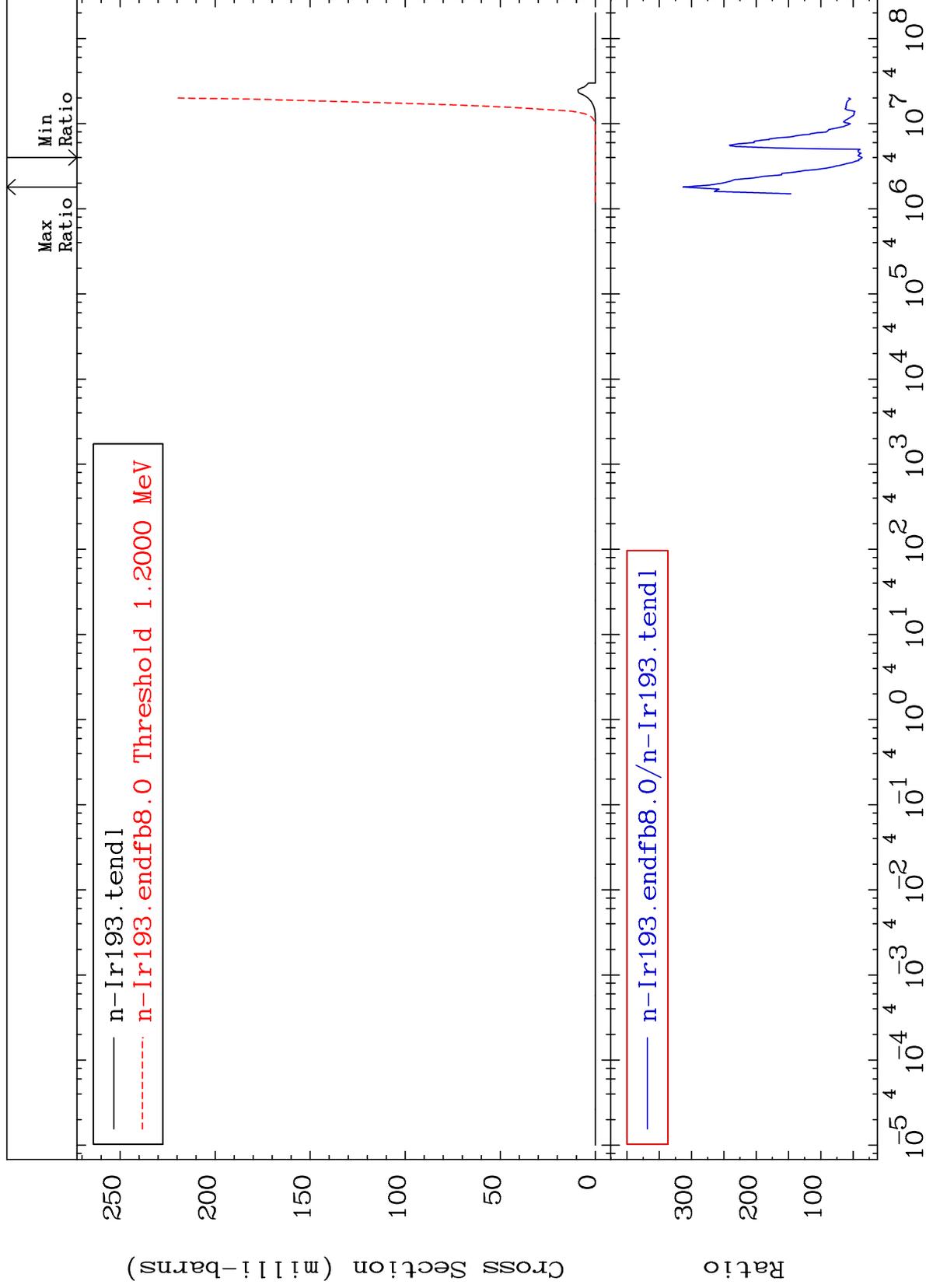
MAT 7731

(n,  $\alpha$ )

Cross Section

77-Ir-193

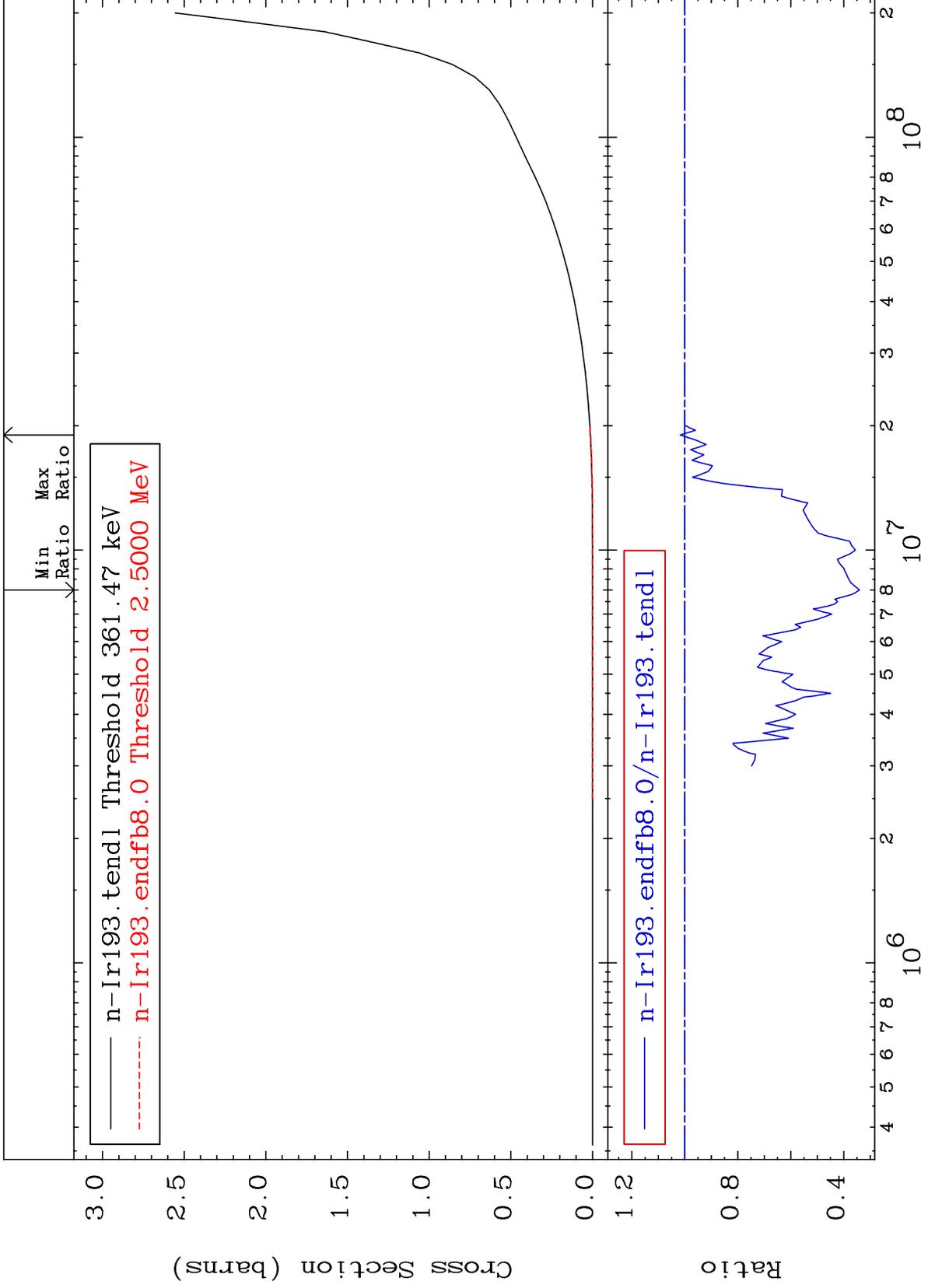
3499. To 9999. %



43

Incident Energy (eV)

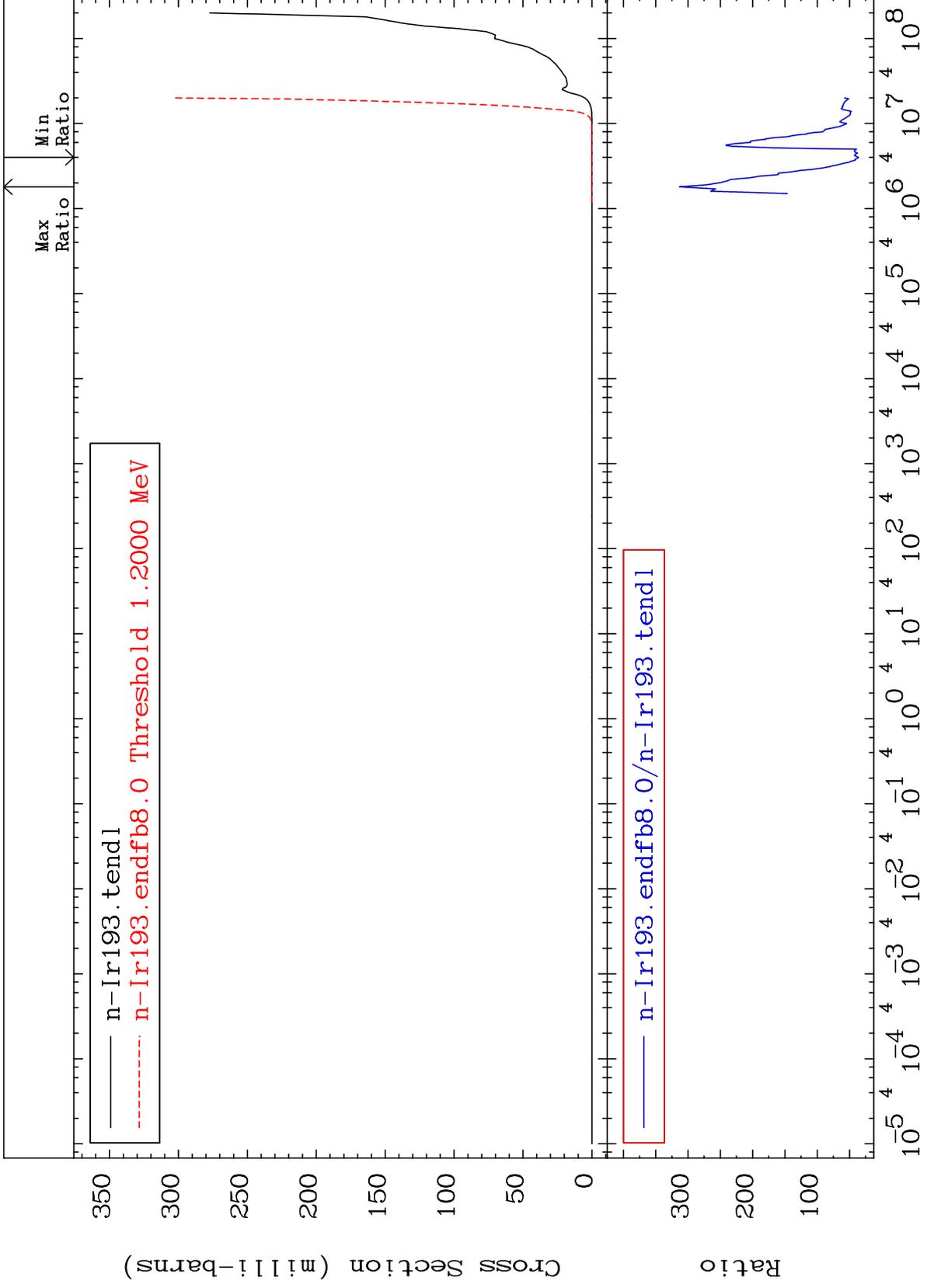
77-Ir-193



MAT 7731

He-4 Production  
Cross Section

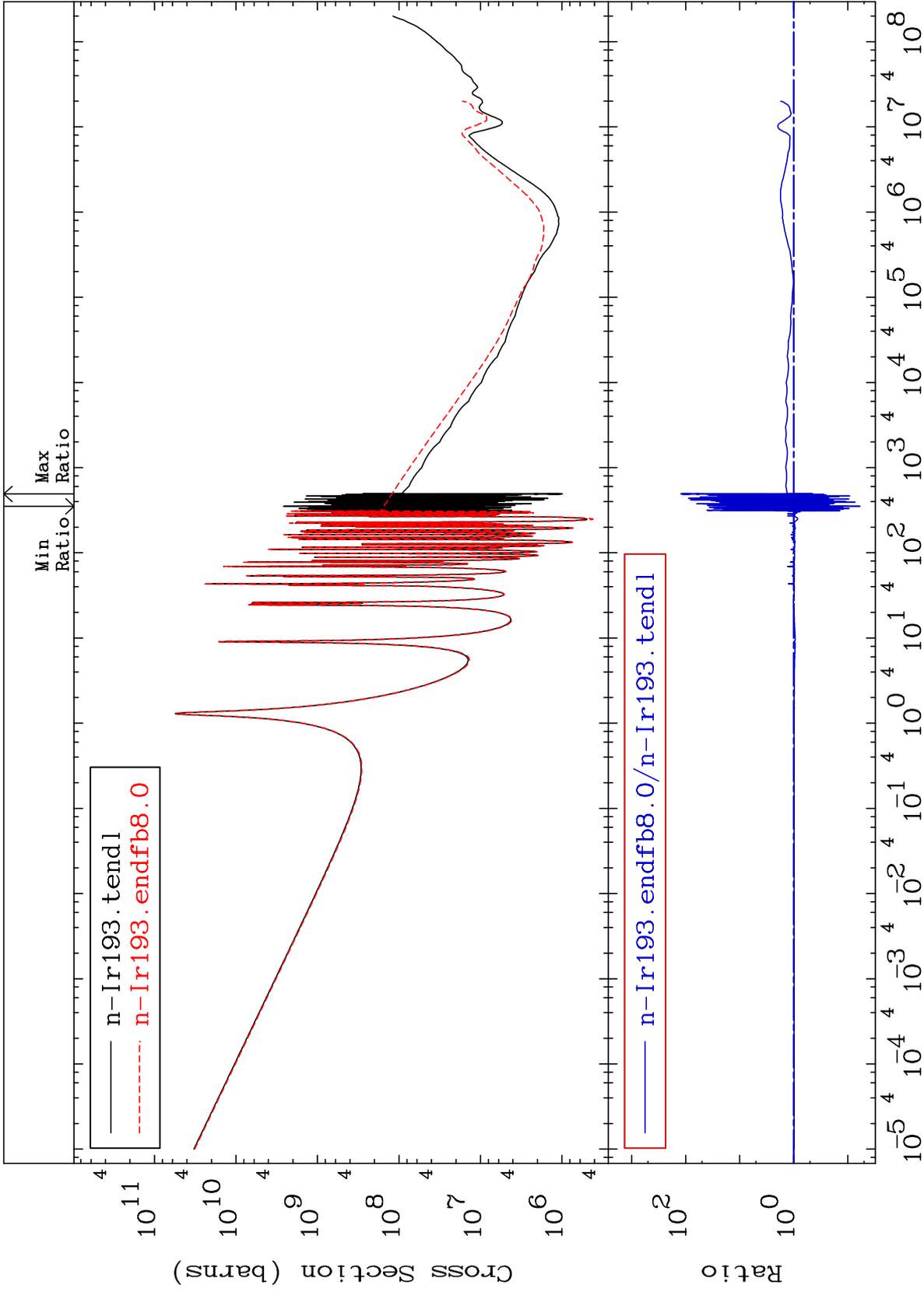
77-Ir-193  
To 9999. %



45

Incident Energy (eV)

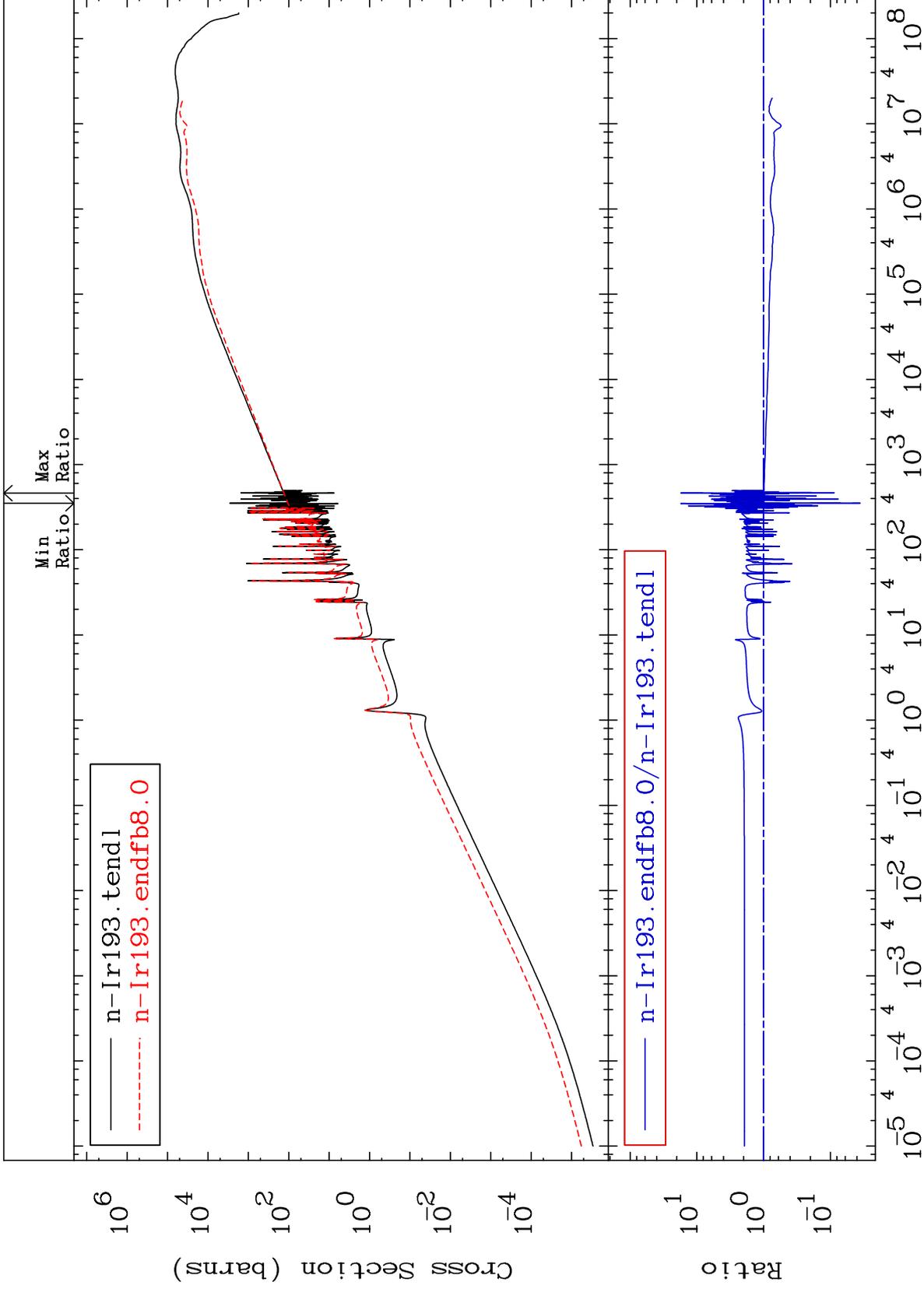
77-Ir-193

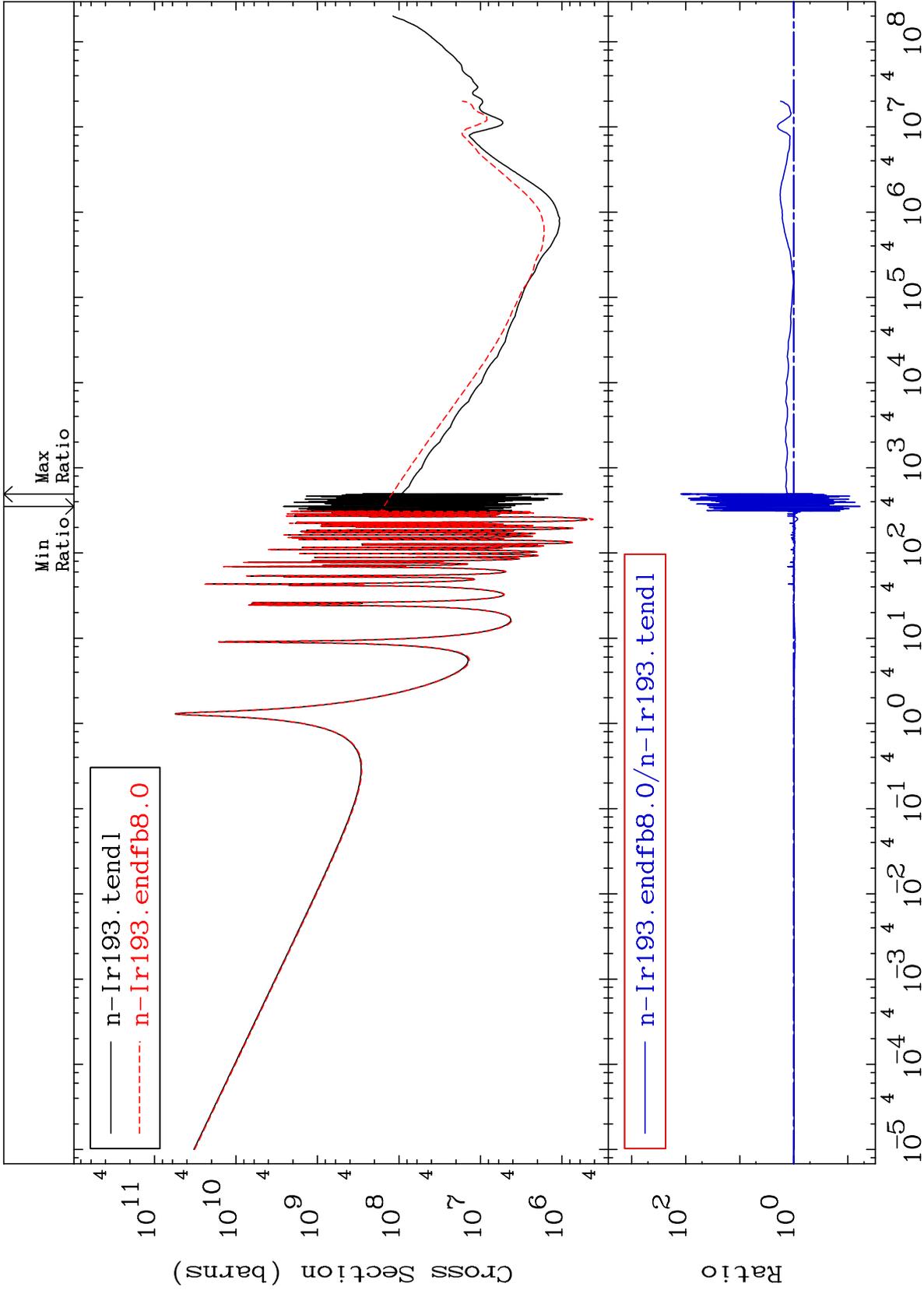


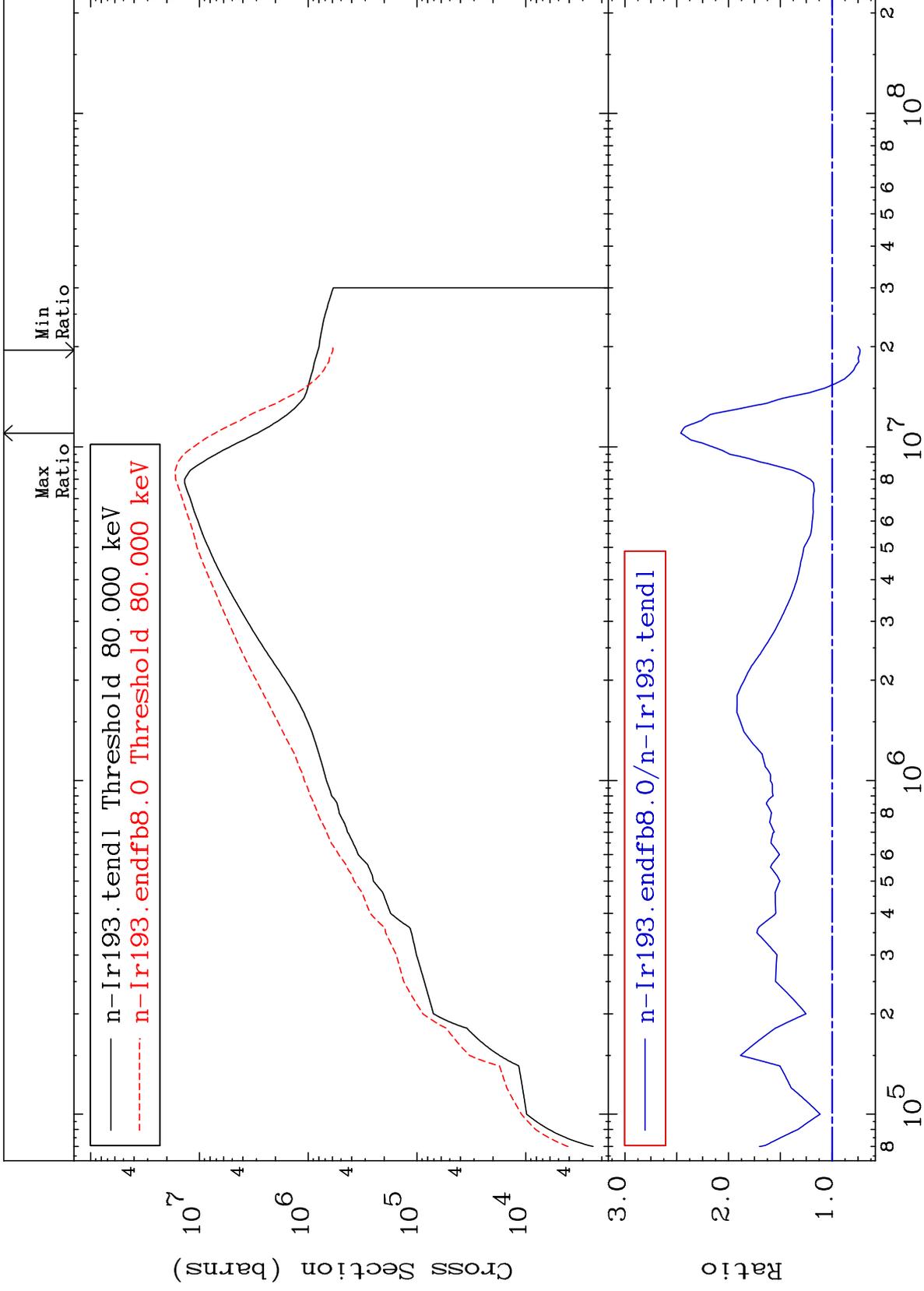
MAT 7731

Kerma elastic  
Cross Section

77-Ir-193  
-96.41 To 1643. %



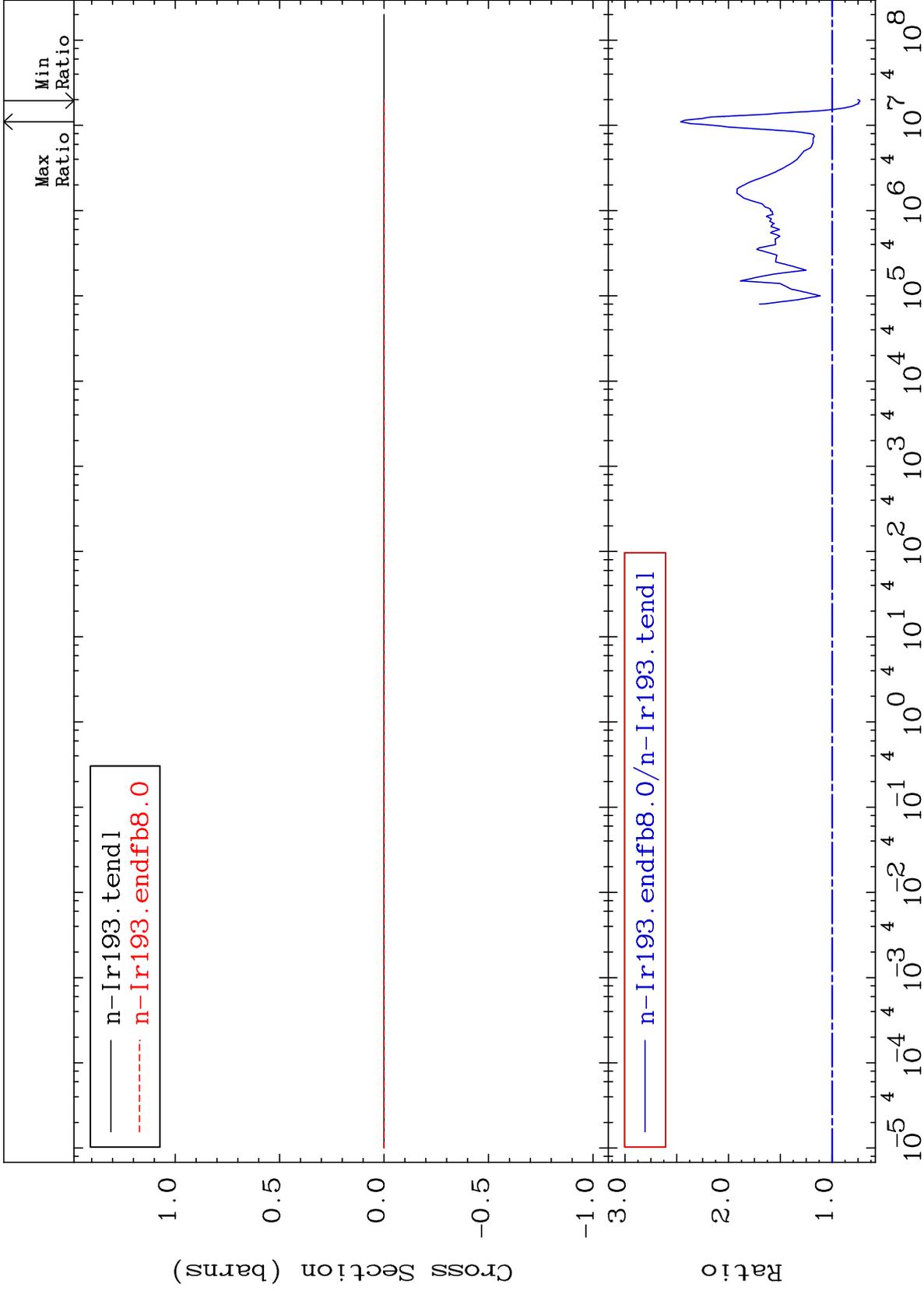




MAT 7731

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

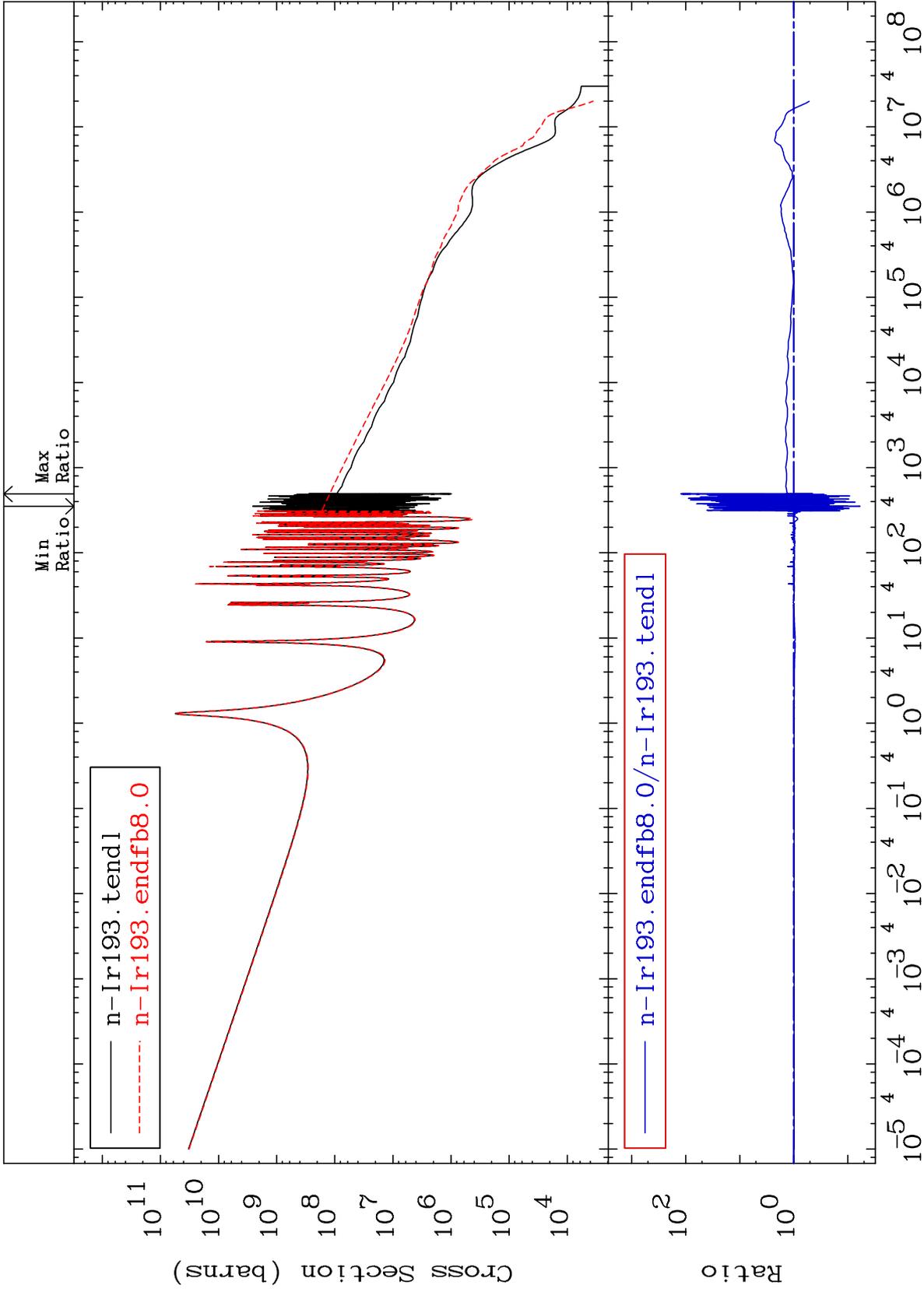
77-Ir-193  
-27.10 To 146.1 %



MAT 7731

Kerma capture (mt102)  
Cross Section

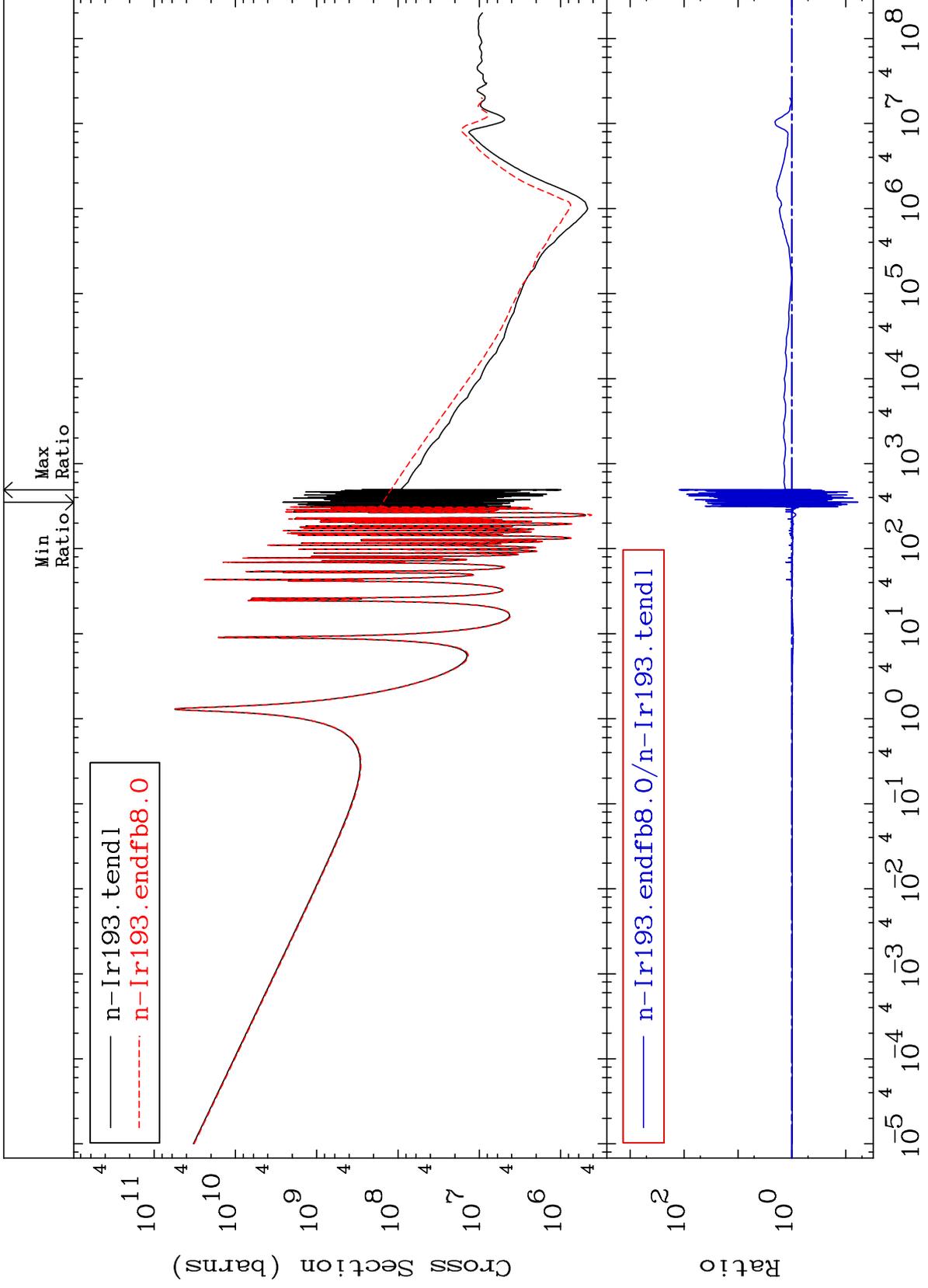
77-Ir-193  
-94.09 To 9999. %



MAT 7731

Total photon (eV-barns)  
Cross Section

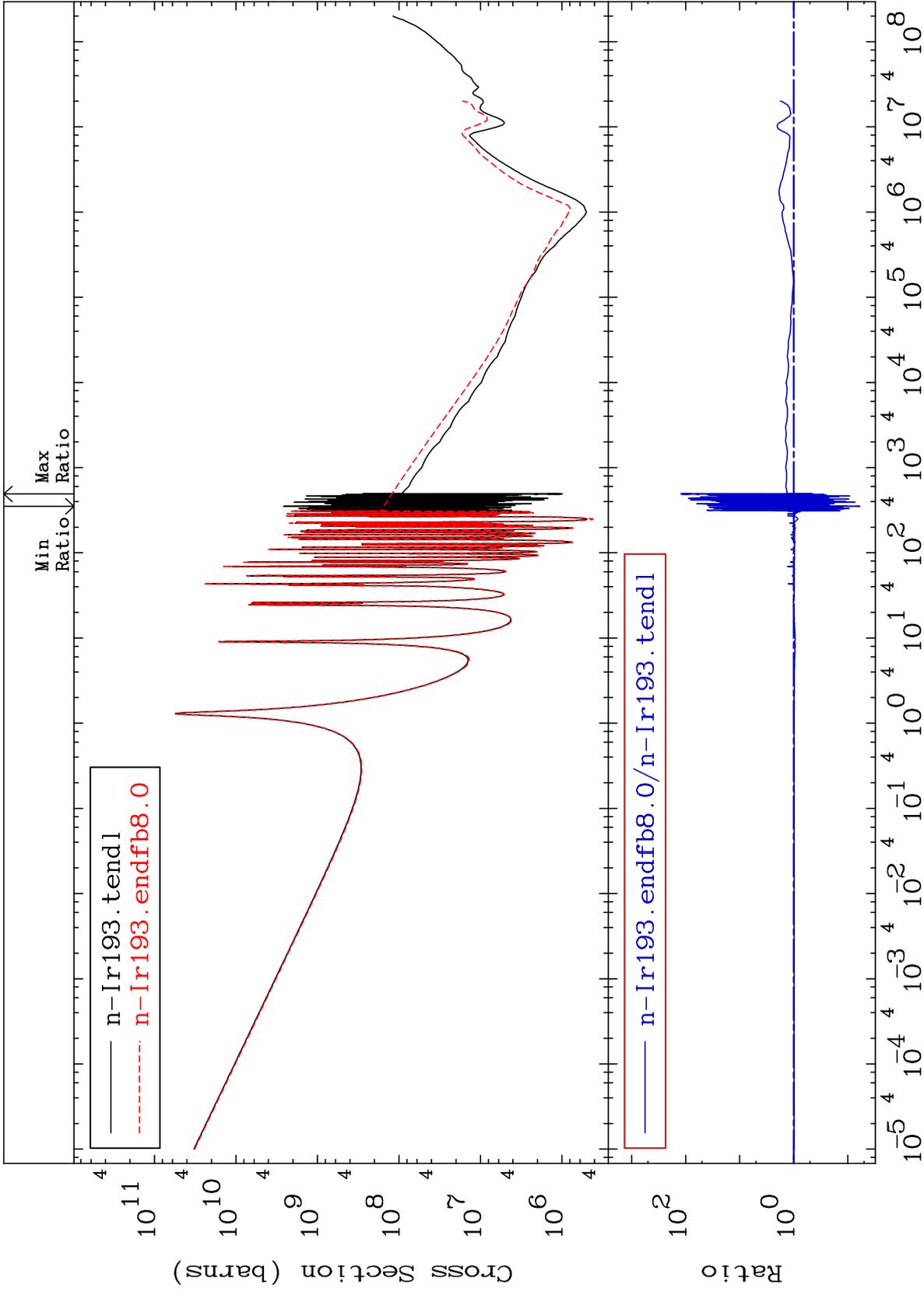
<sup>77</sup>Ir-193  
-94.09 To 9999. %

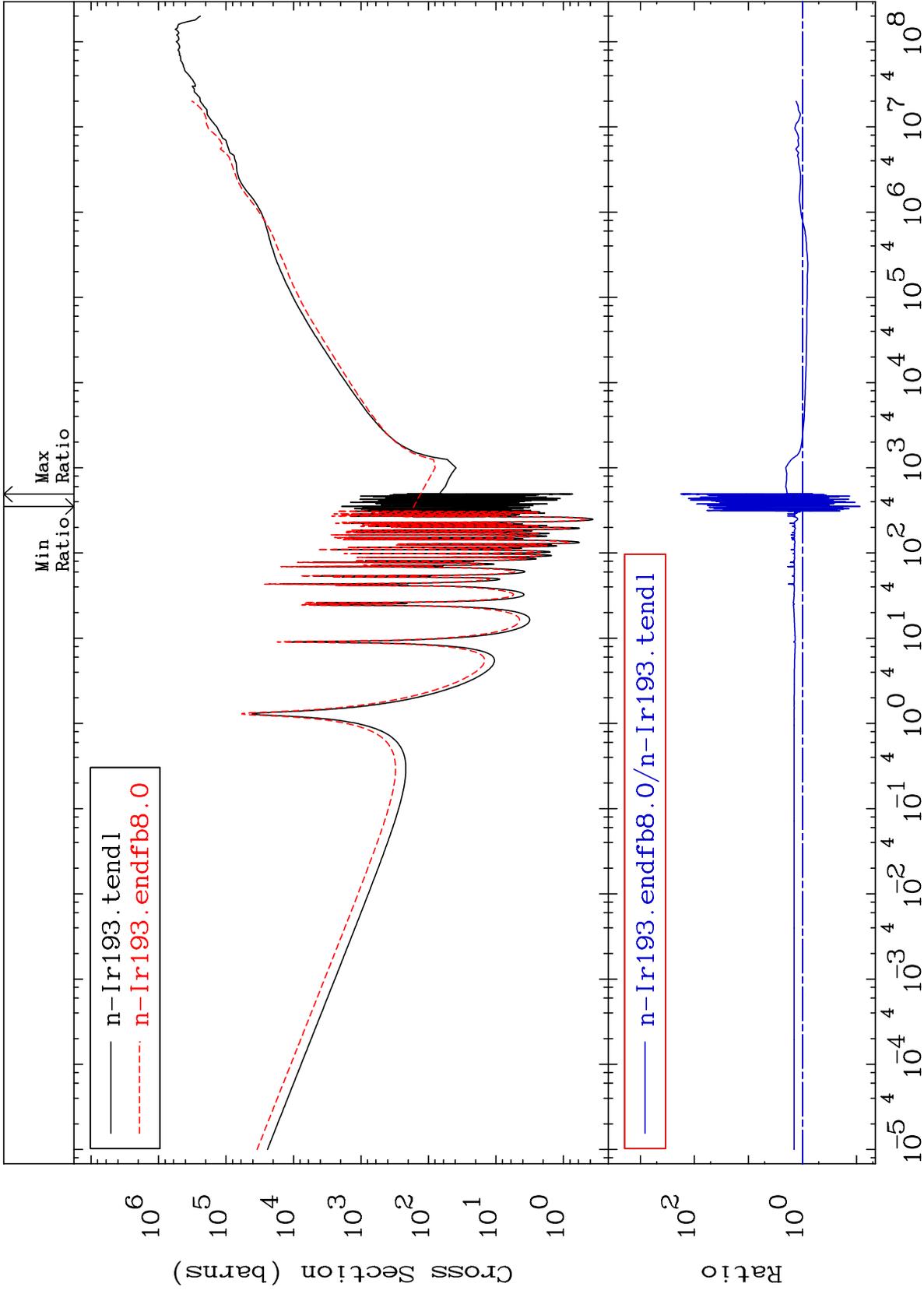


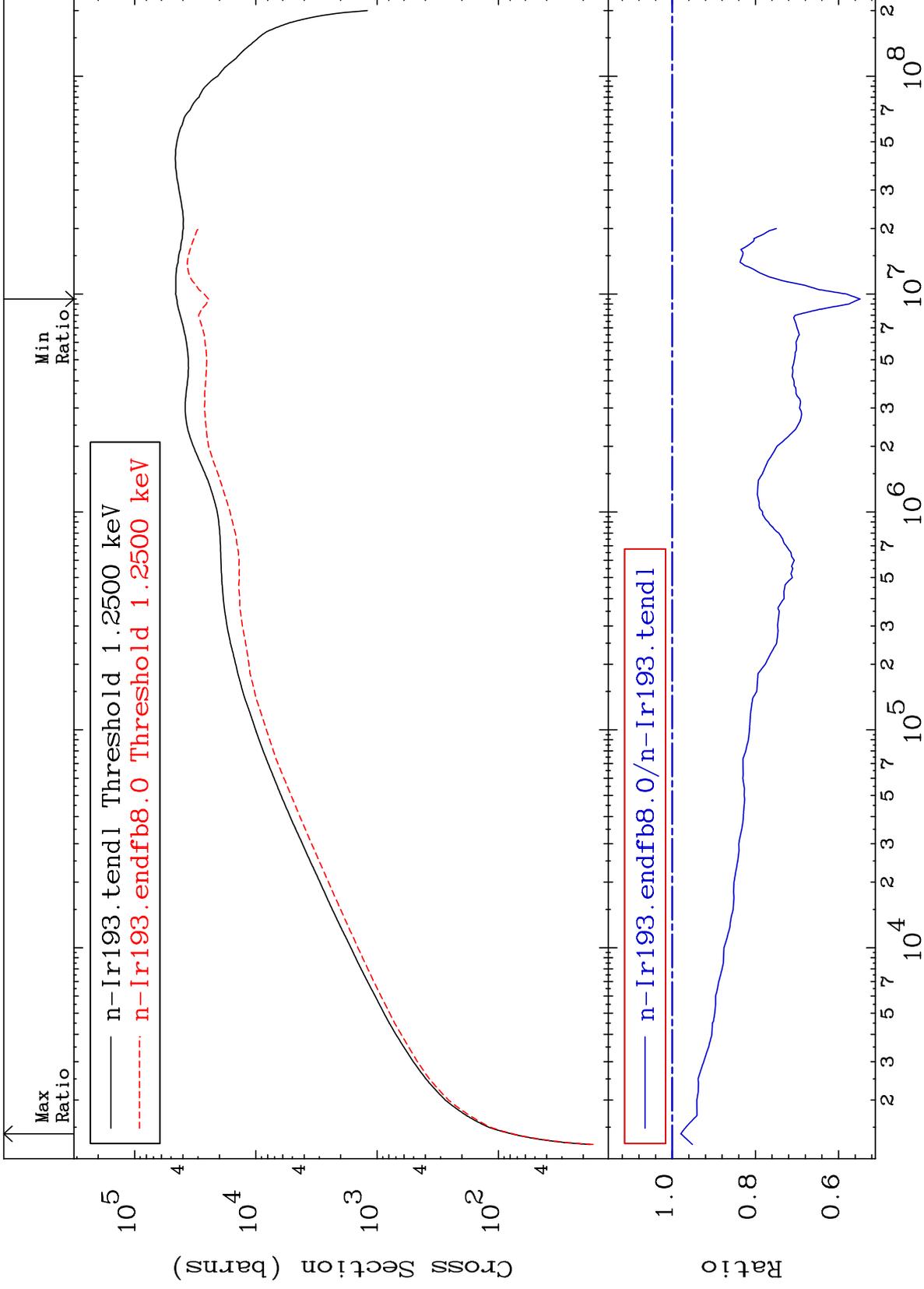
52

Incident Energy (eV)

<sup>77</sup>Ir-193



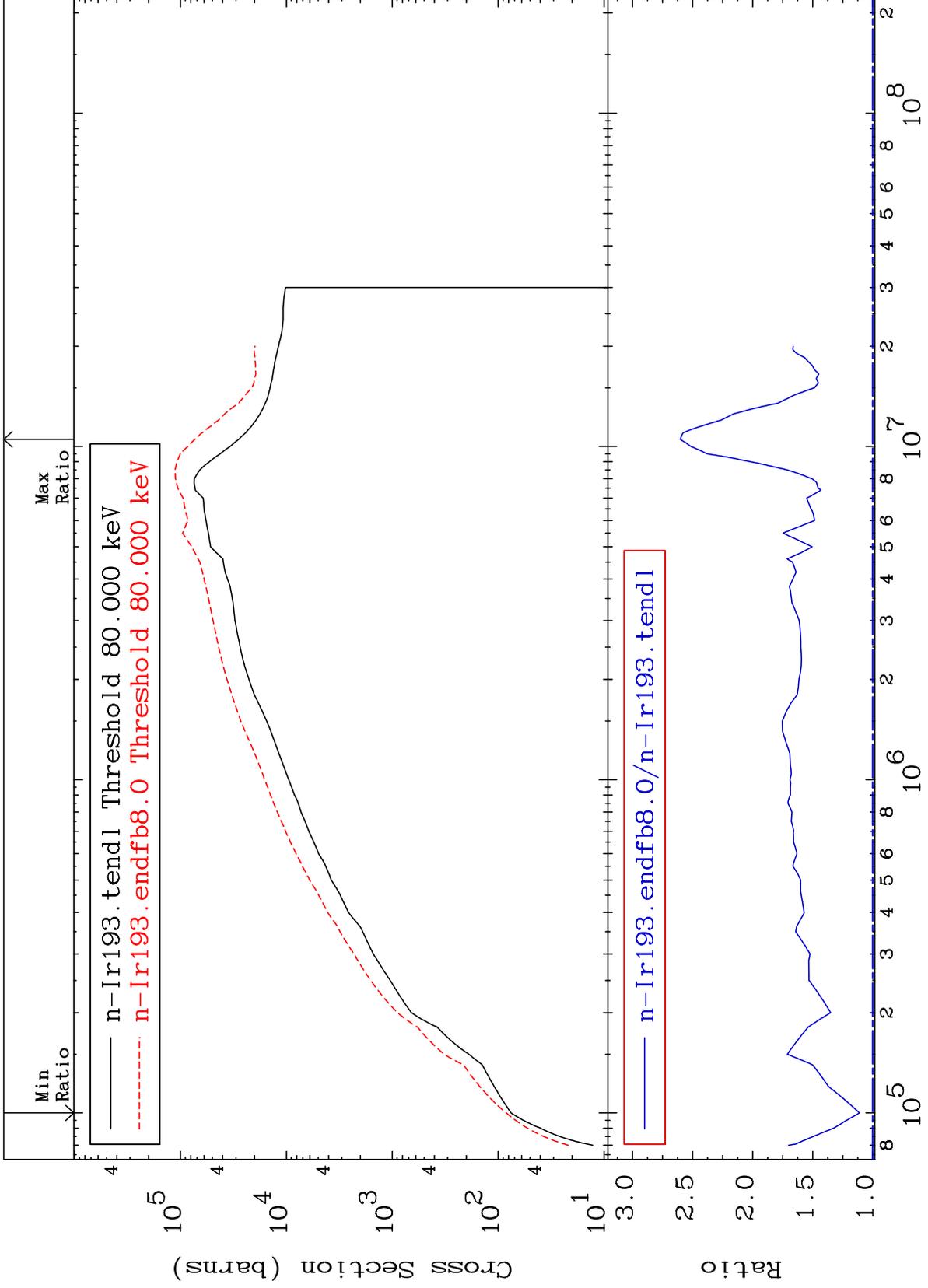


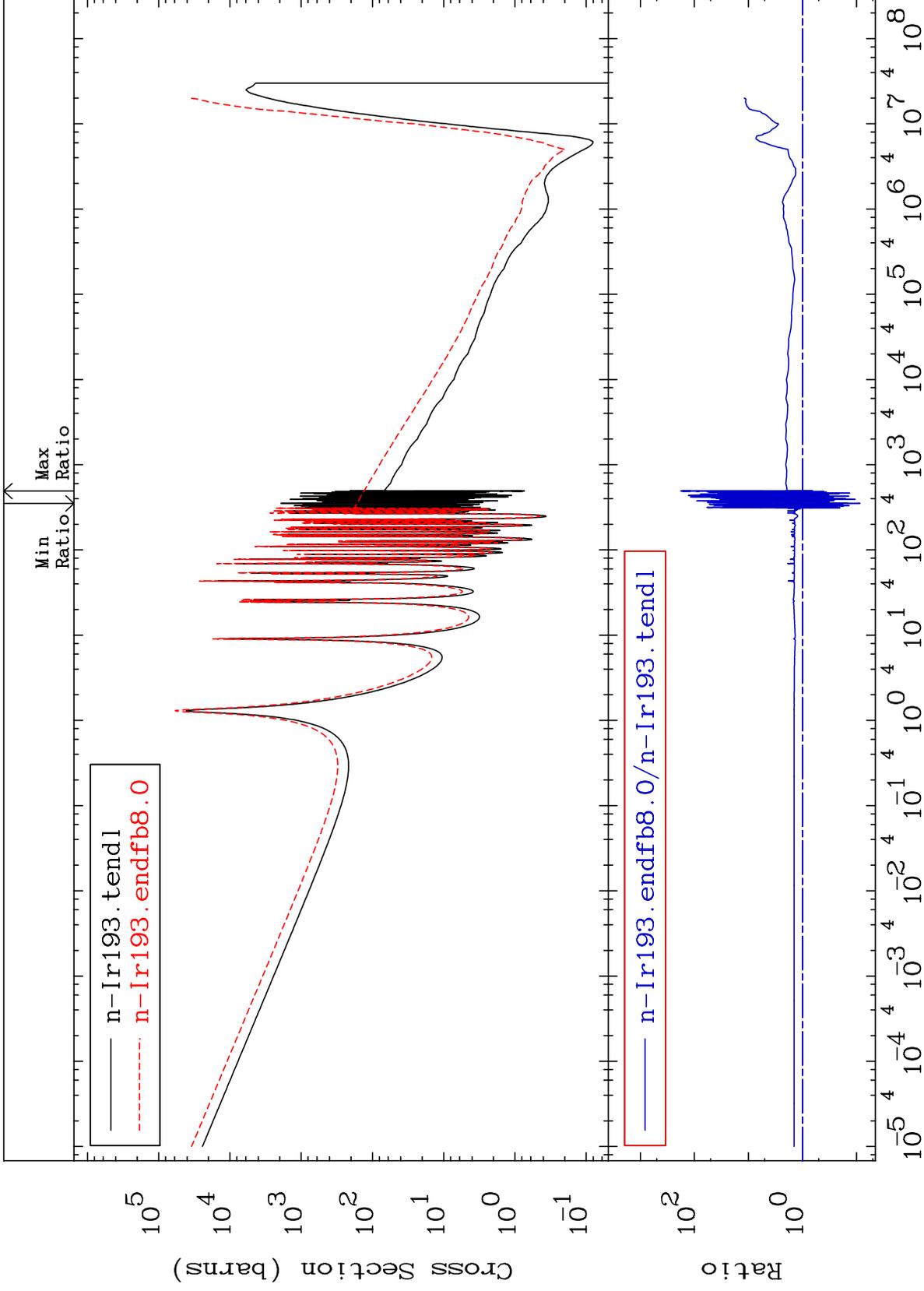


MAT 7731

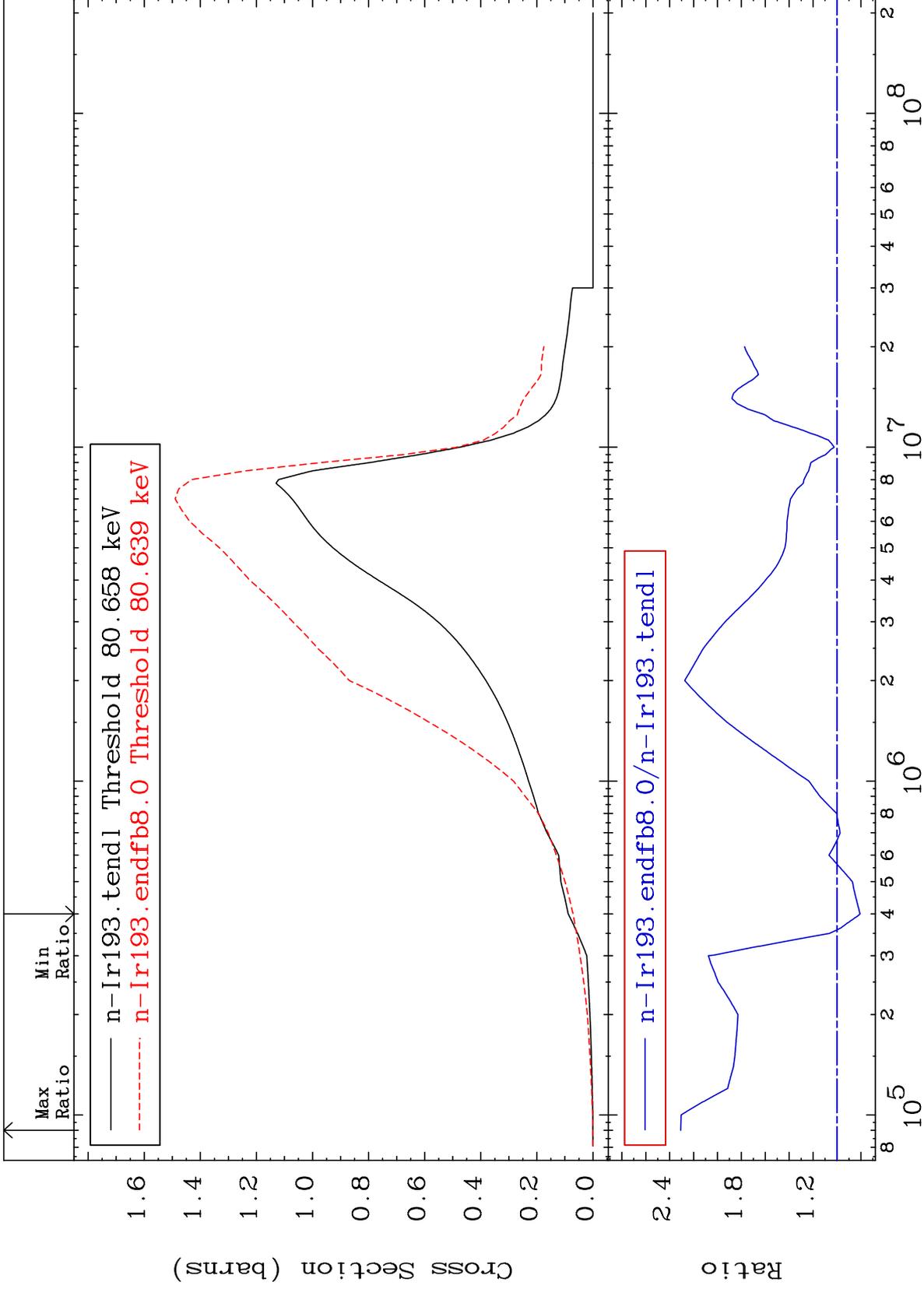
Dpa inelastic (mt51-91)  
Cross Section

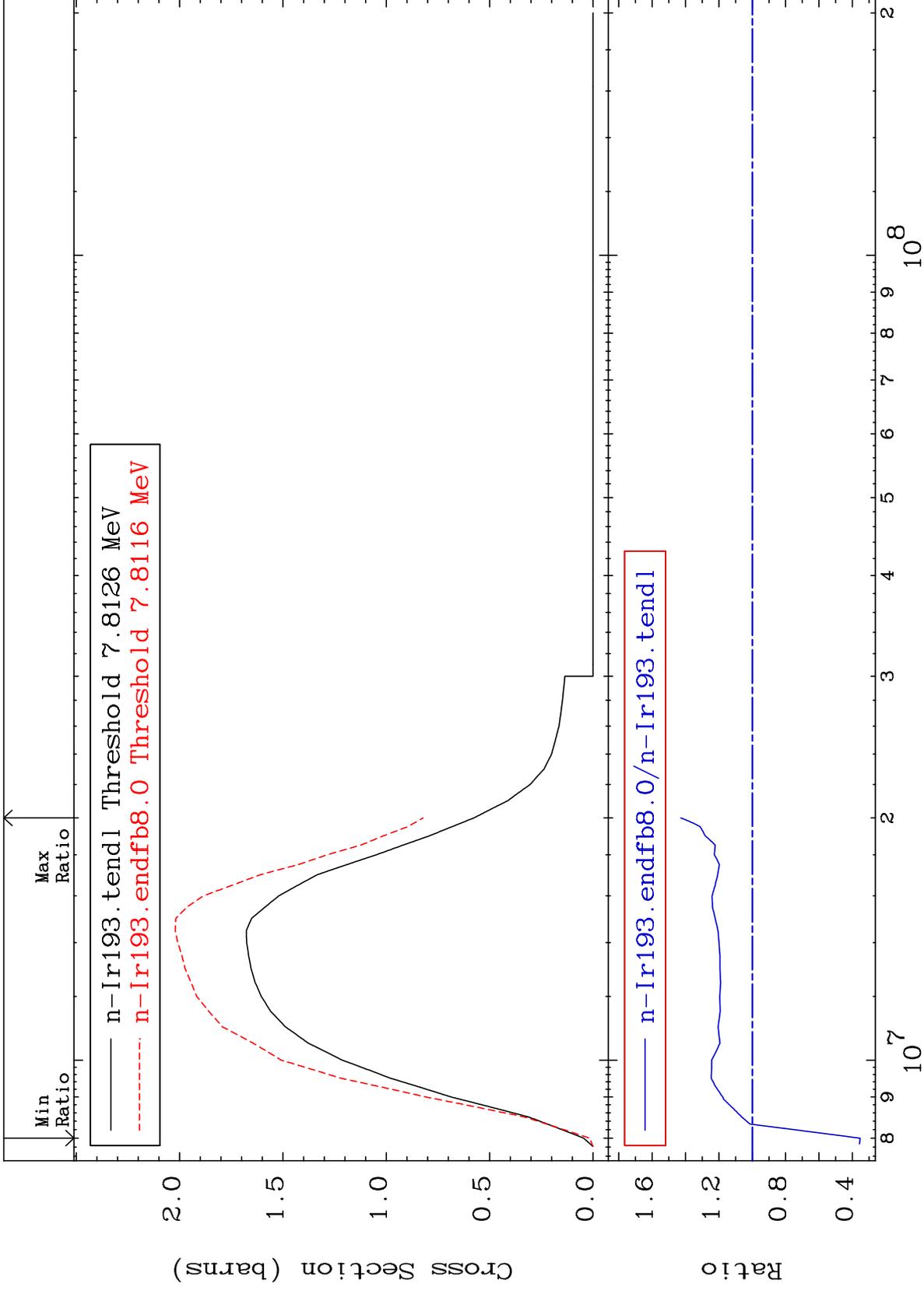
77-Ir-193  
11.11 To 160.2 %

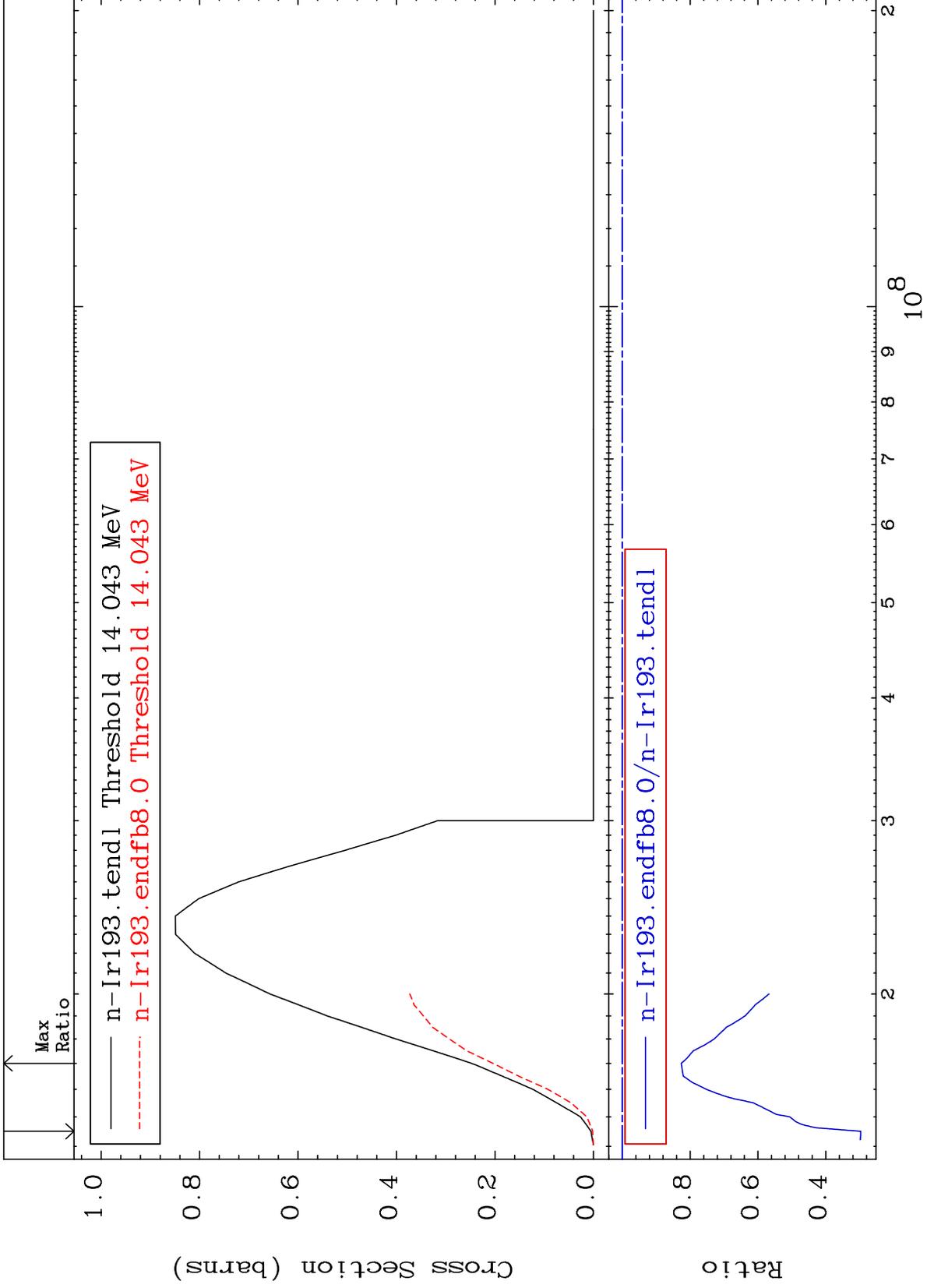




Radionuclide Production Cross Section -19.33 To 130.7 %







Radionuclide Production Cross Section -79.34 To 61.24 %

