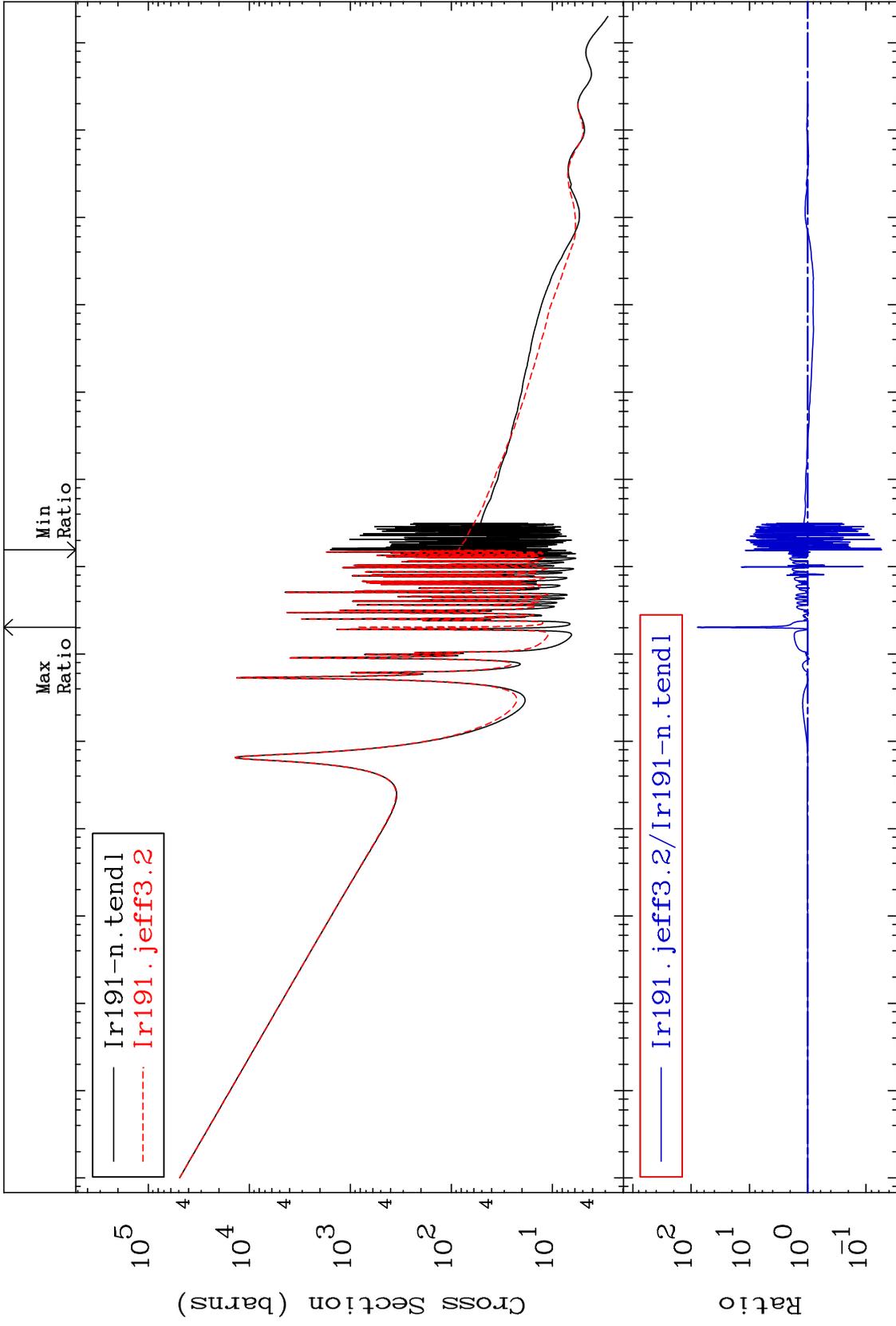


MAT 7725

Total  
Cross Section

77-Ir-191  
-94.60 To 7609. %



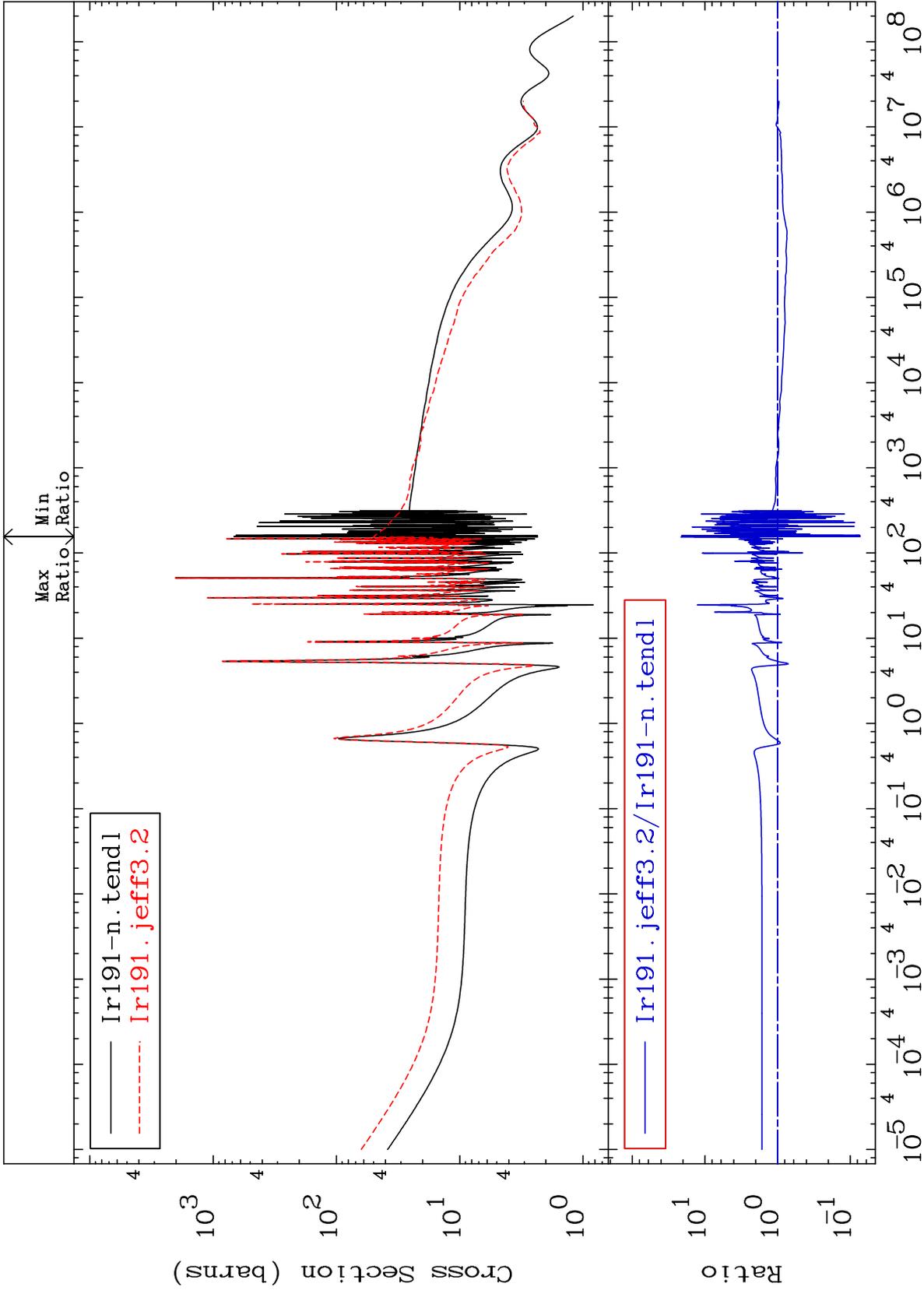
Incident Energy (eV)

77-Ir-191

MAT 7725

Elastic Cross Section

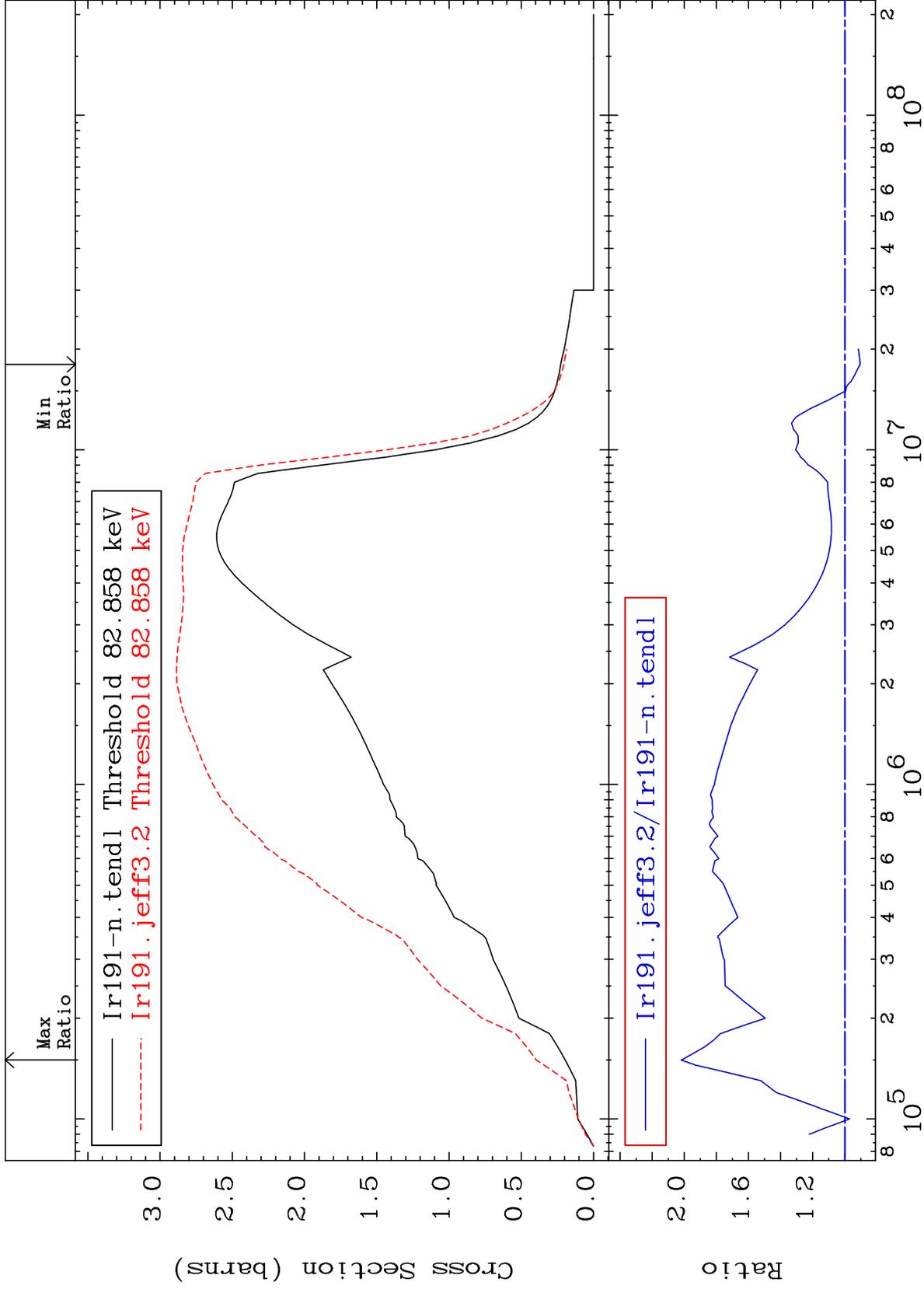
77-Ir-191  
-92.68 To 2048. %



77-Ir-191

Incident Energy (eV)

2



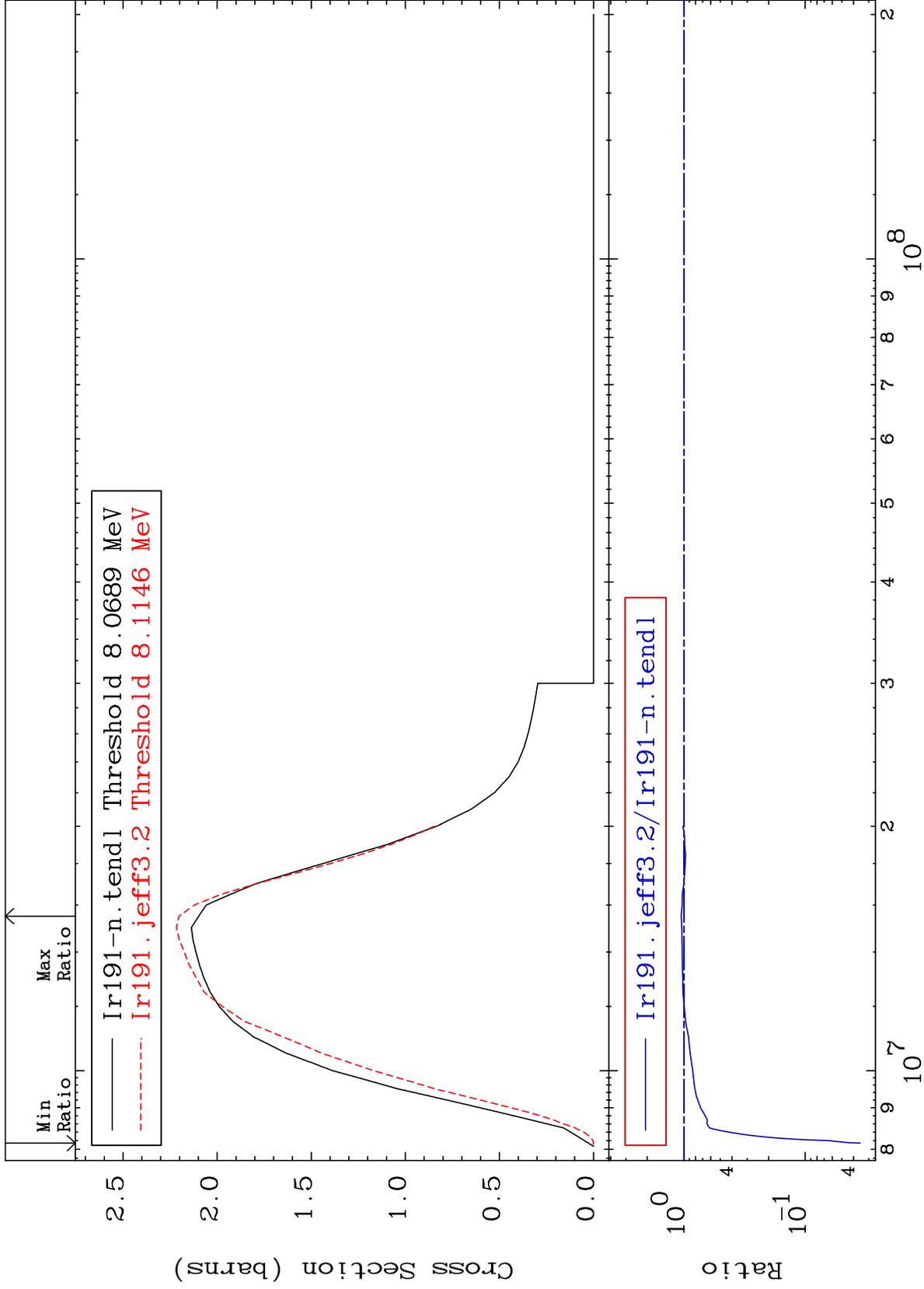
MAT 7725

(n,2n)

77-Ir-191

Cross Section

-96.47 To 5.004 %



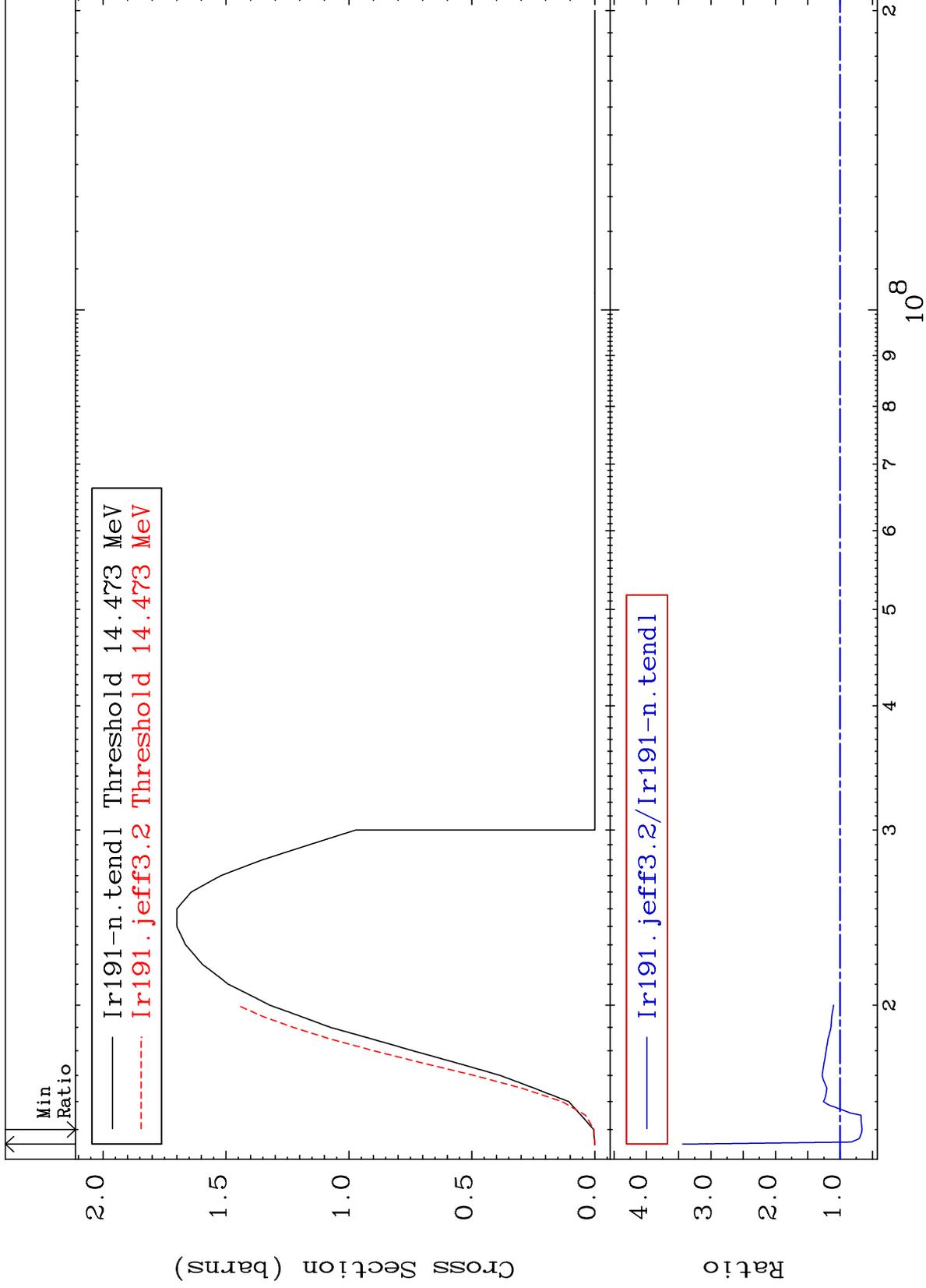
77-Ir-191

4

MAT 7725

(n,3n)  
Cross Section

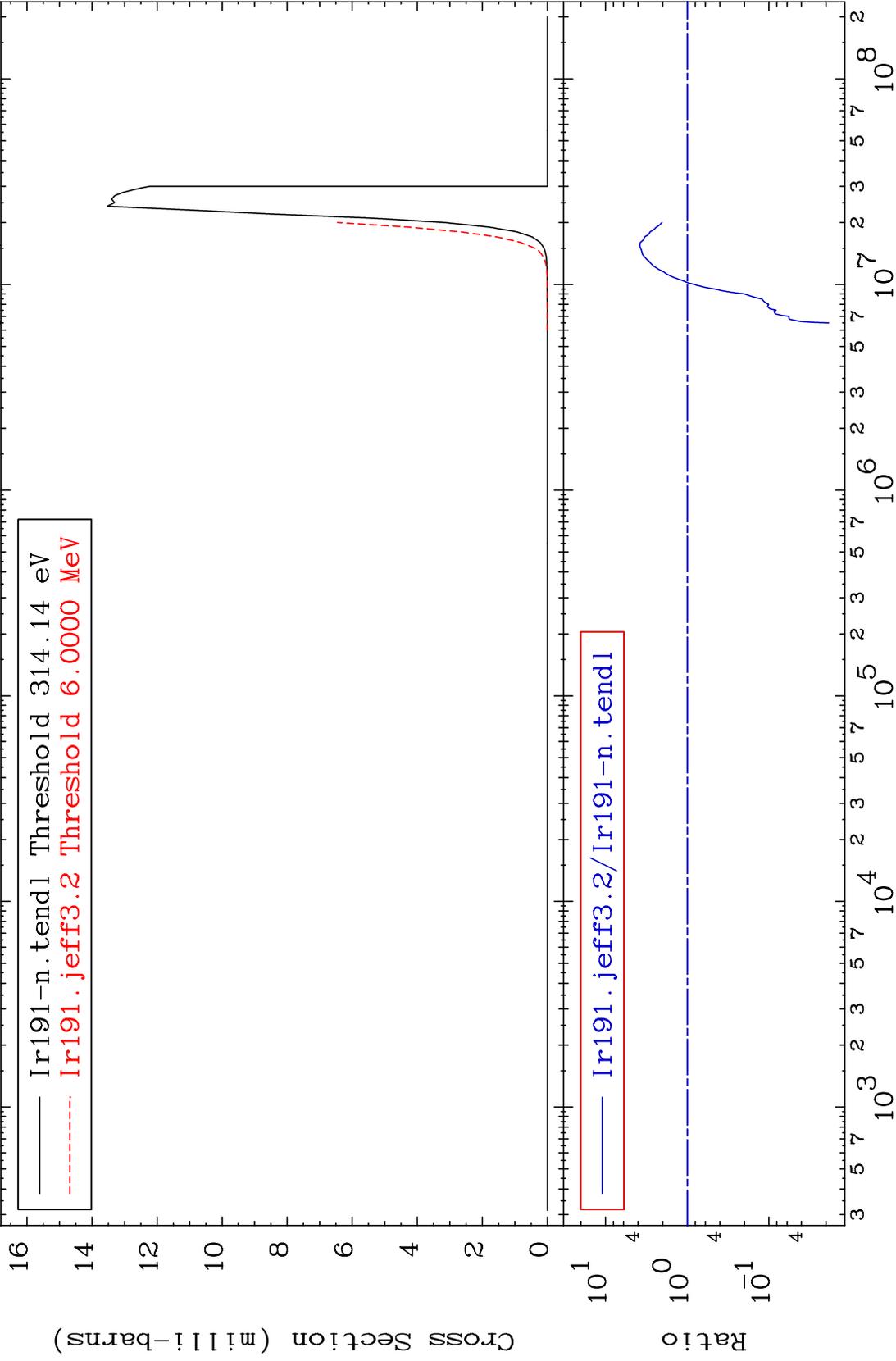
<sup>77</sup>Ir-191  
-33.94 To 243.7 %



MAT 7725

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

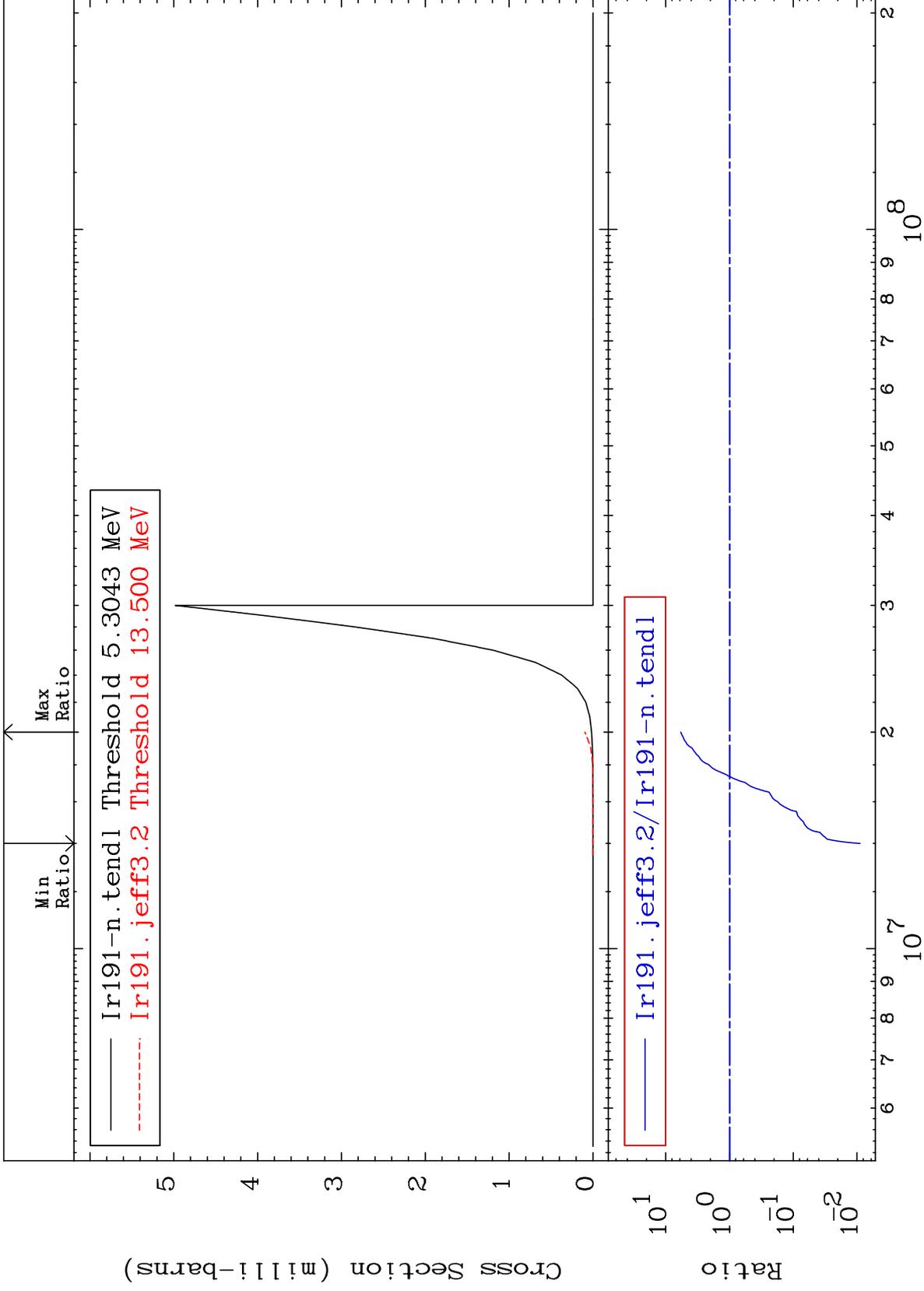
<sup>77</sup>Ir-<sup>191</sup>Ir  
-98.14 To 279.9 %



MAT 7725

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

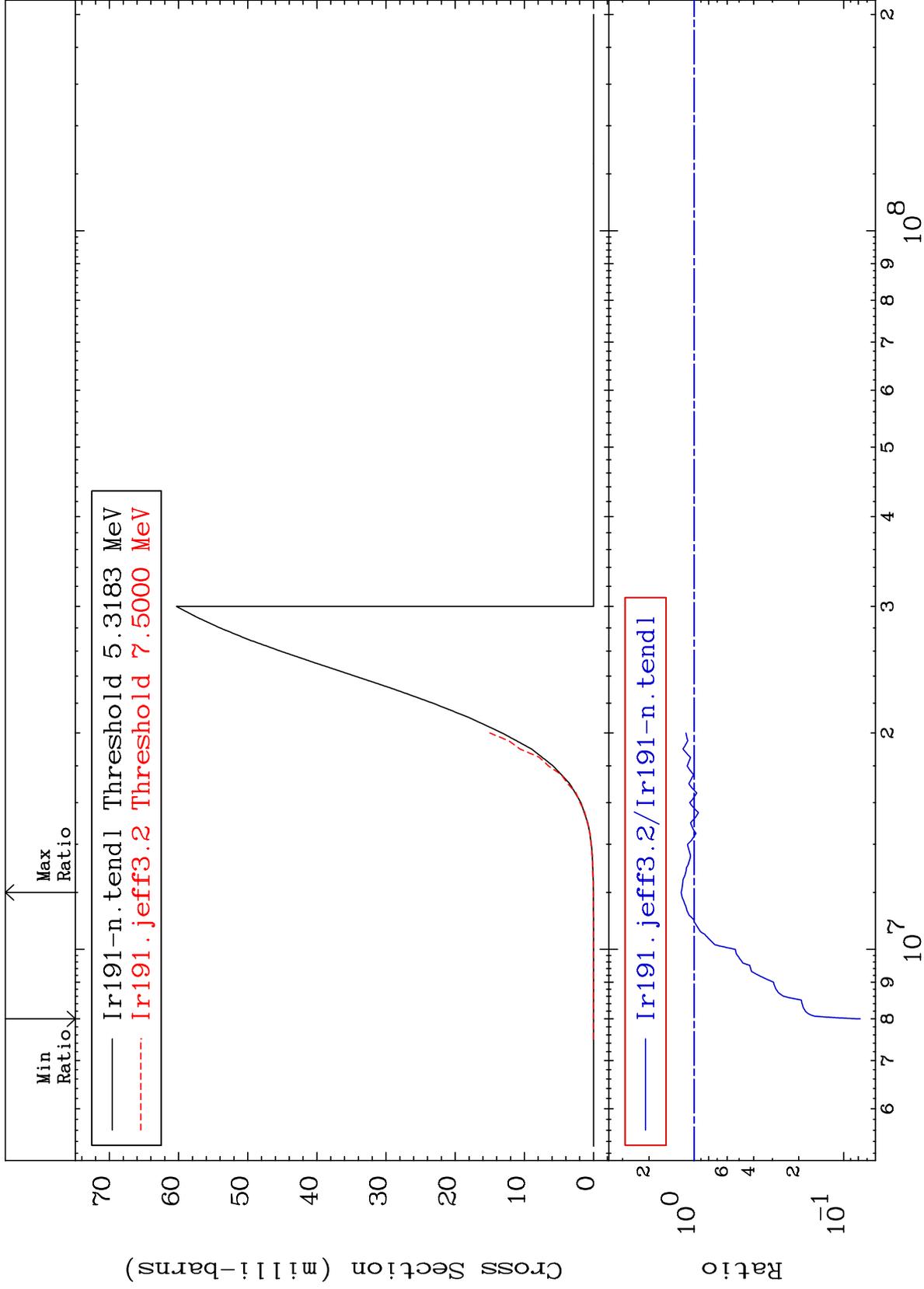
<sup>77</sup>Ir-<sup>191</sup>Ir  
-99.10 To 480.5 %

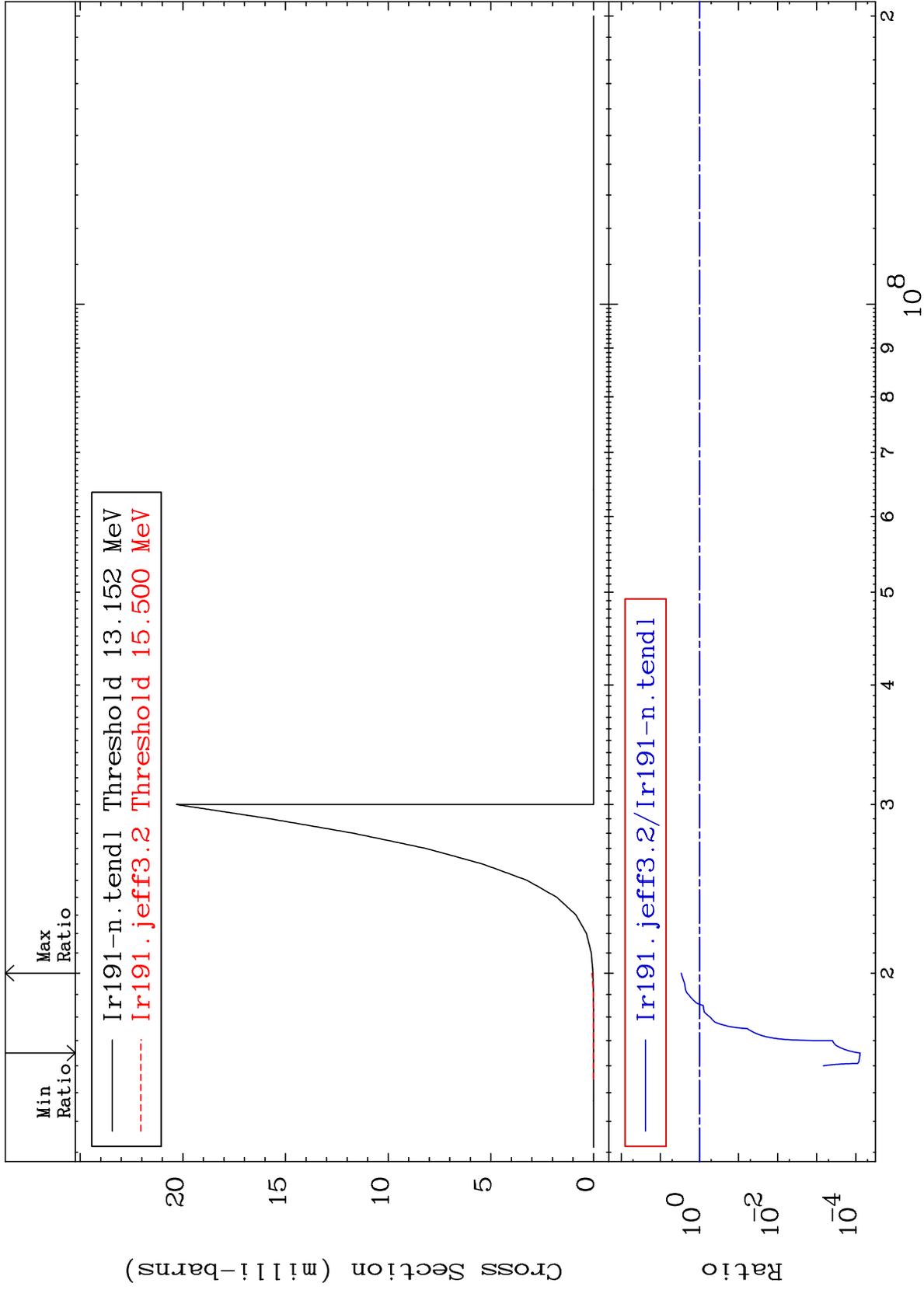


MAT 7725

(n, n') p  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-92.23 To 21.87 %





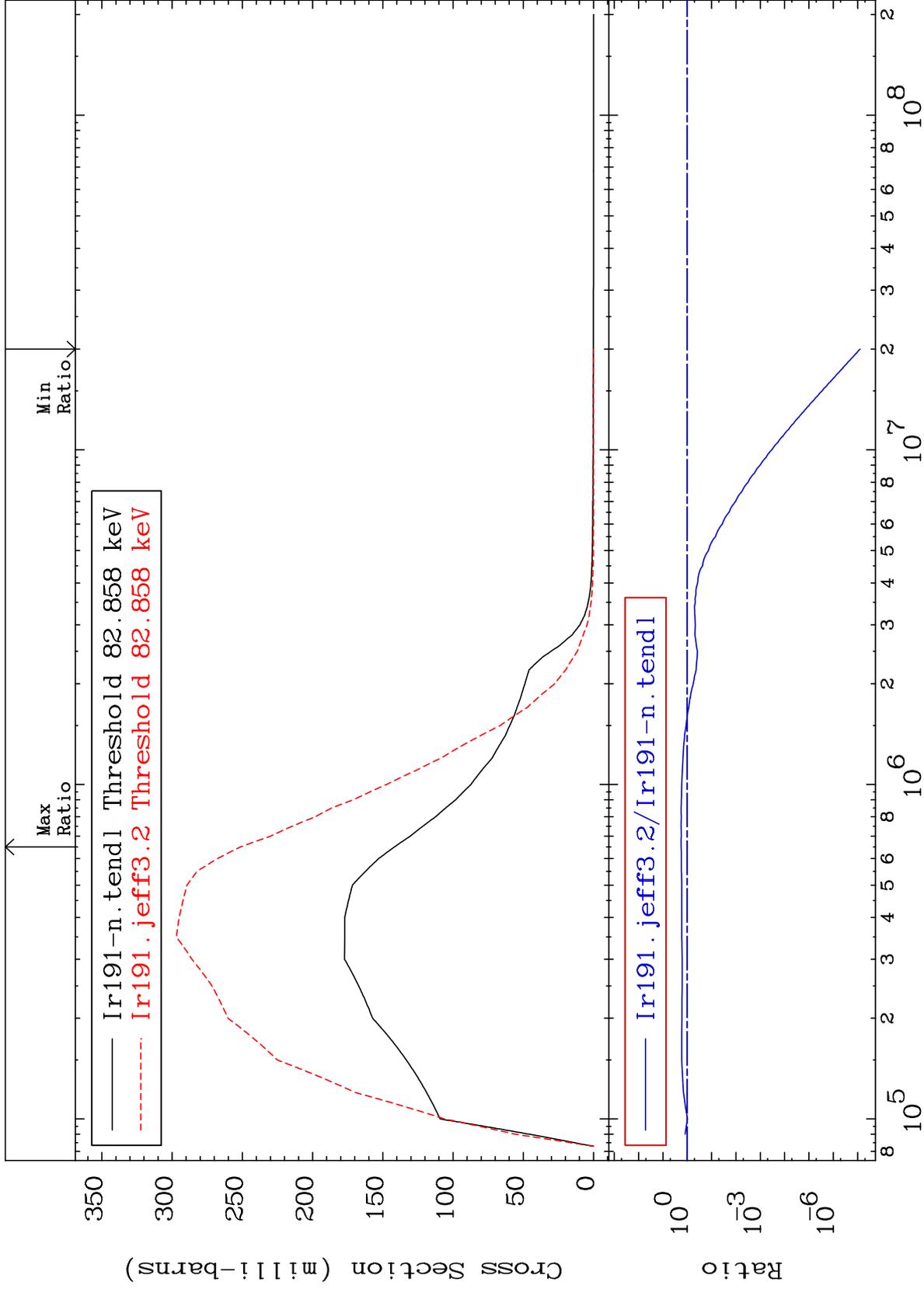
MAT 7725

82.42 keV (n,n') Level

<sup>77</sup>Ir-<sup>191</sup>Ir

Cross Section

-100.0 To 77.39 %

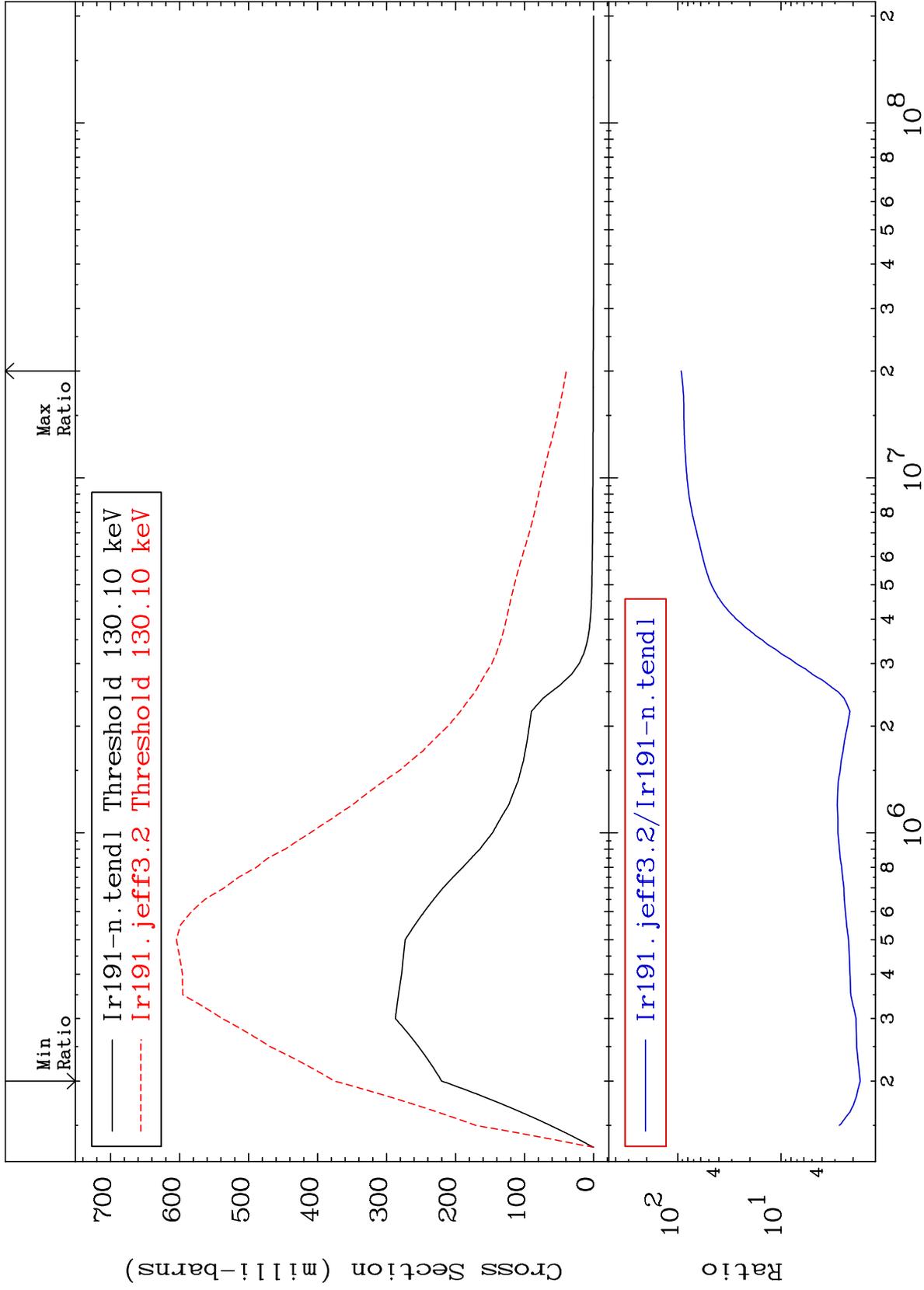


10

Incident Energy (eV)

<sup>77</sup>Ir-<sup>191</sup>Ir

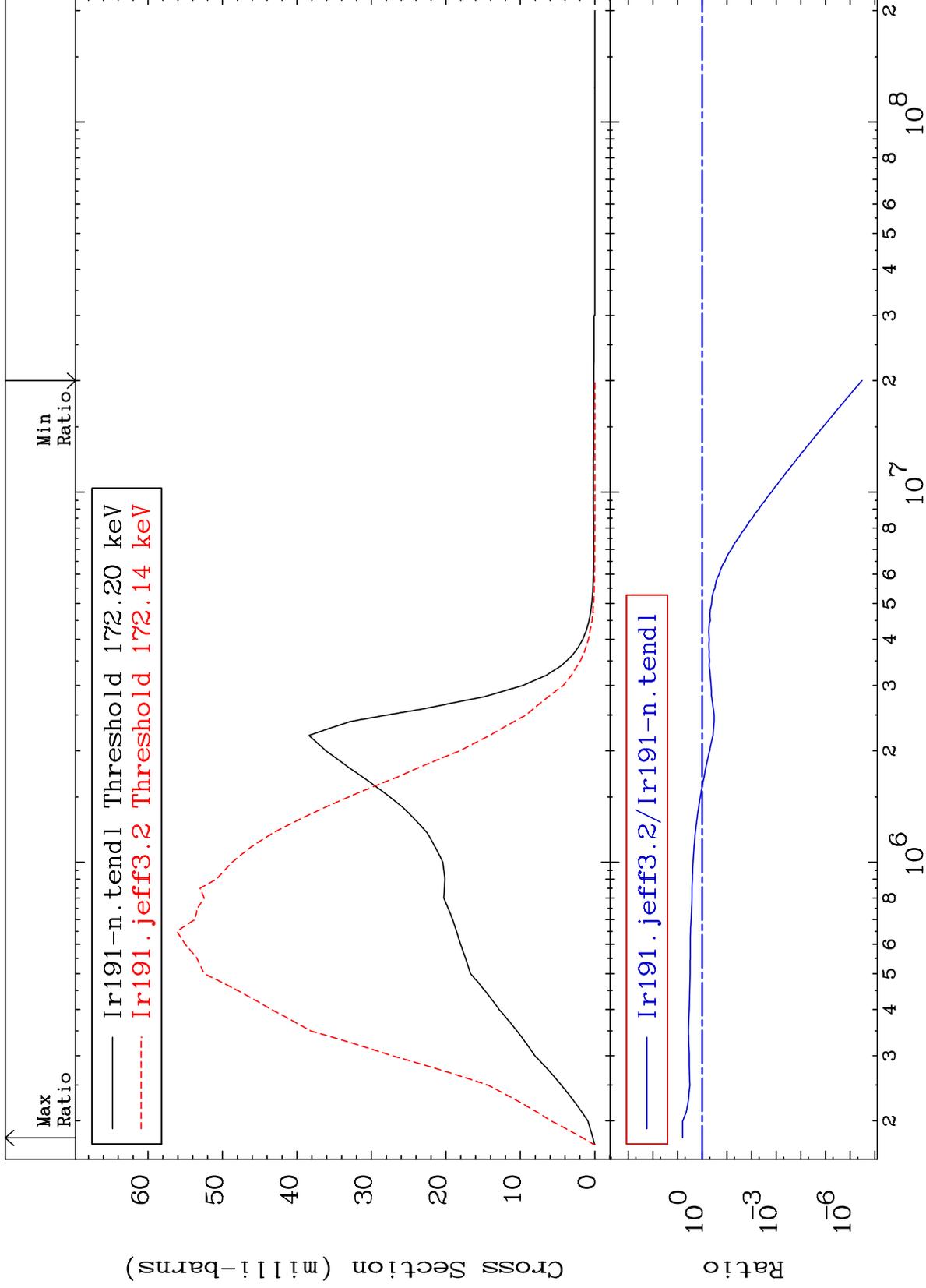
MAT 7725      129.4 keV (n,n') Level      77-Ir-191  
 Cross Section      70.64 To 9162. %



MAT 7725

171.3 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 526.0 %

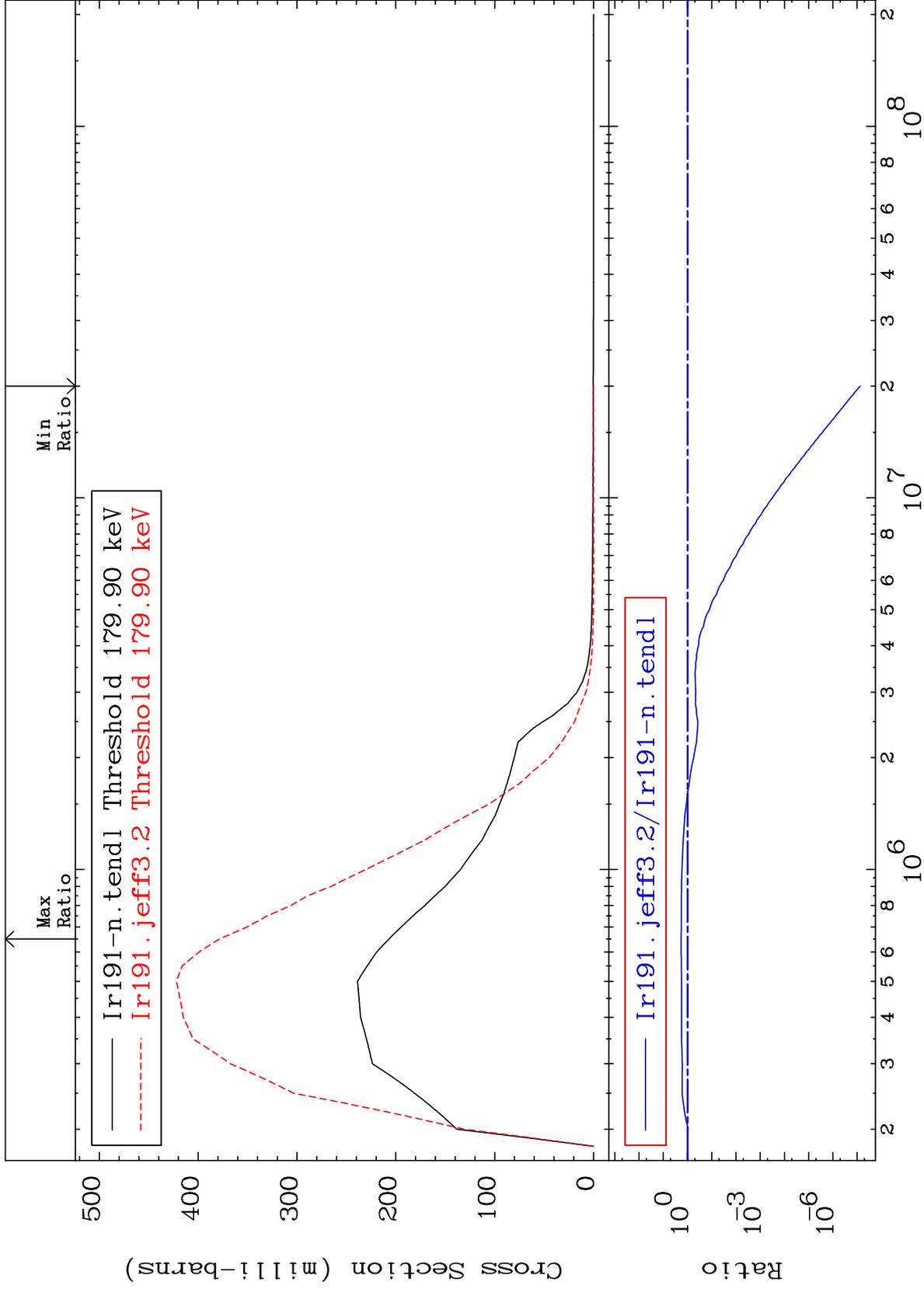


MAT 7725

179.0 keV (n,n') Level

<sup>77</sup>Ir-<sup>191</sup>

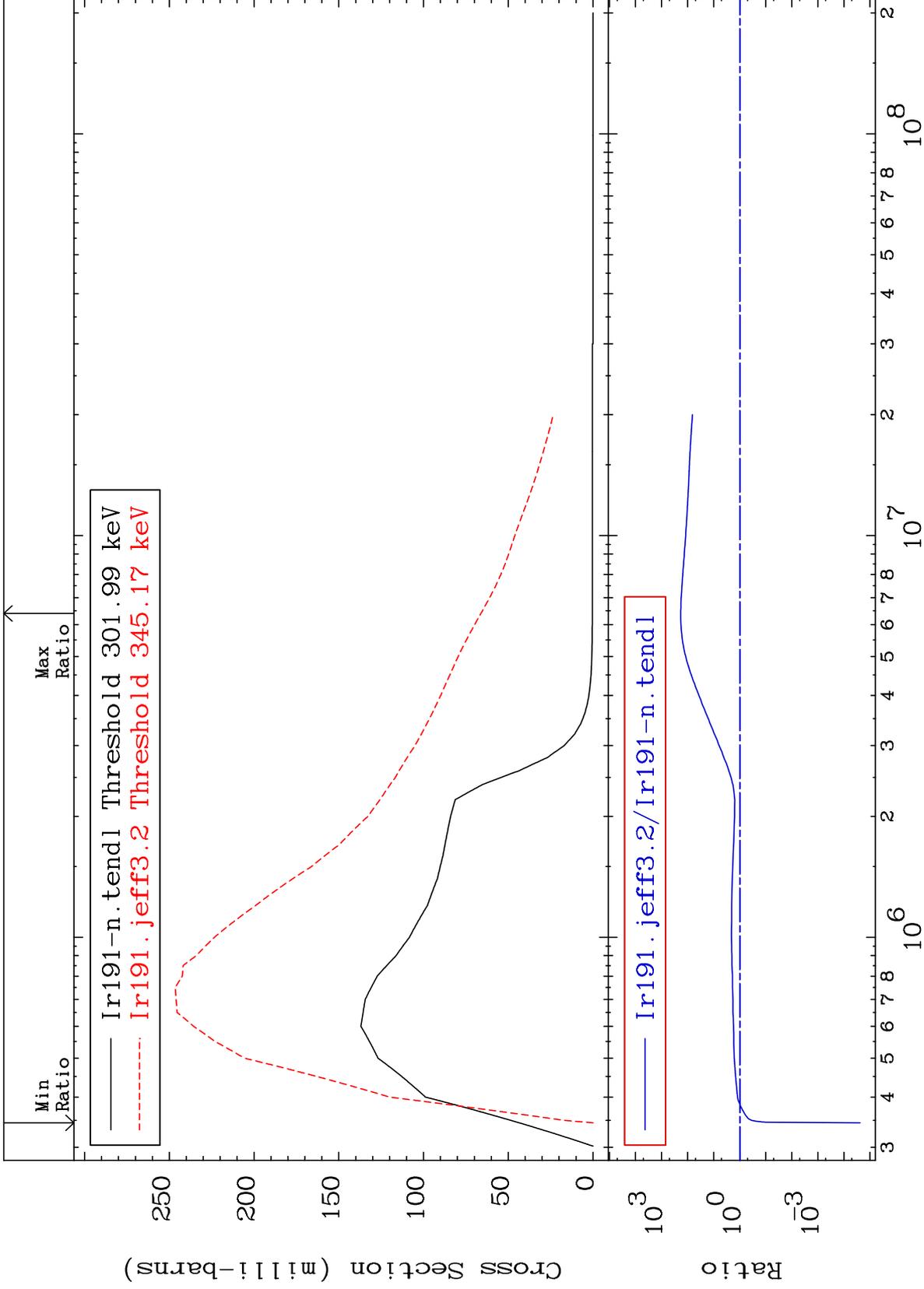
-100.0 To 82.84 %



MAT 7725

300.4 keV (n,n') Level  
Cross Section

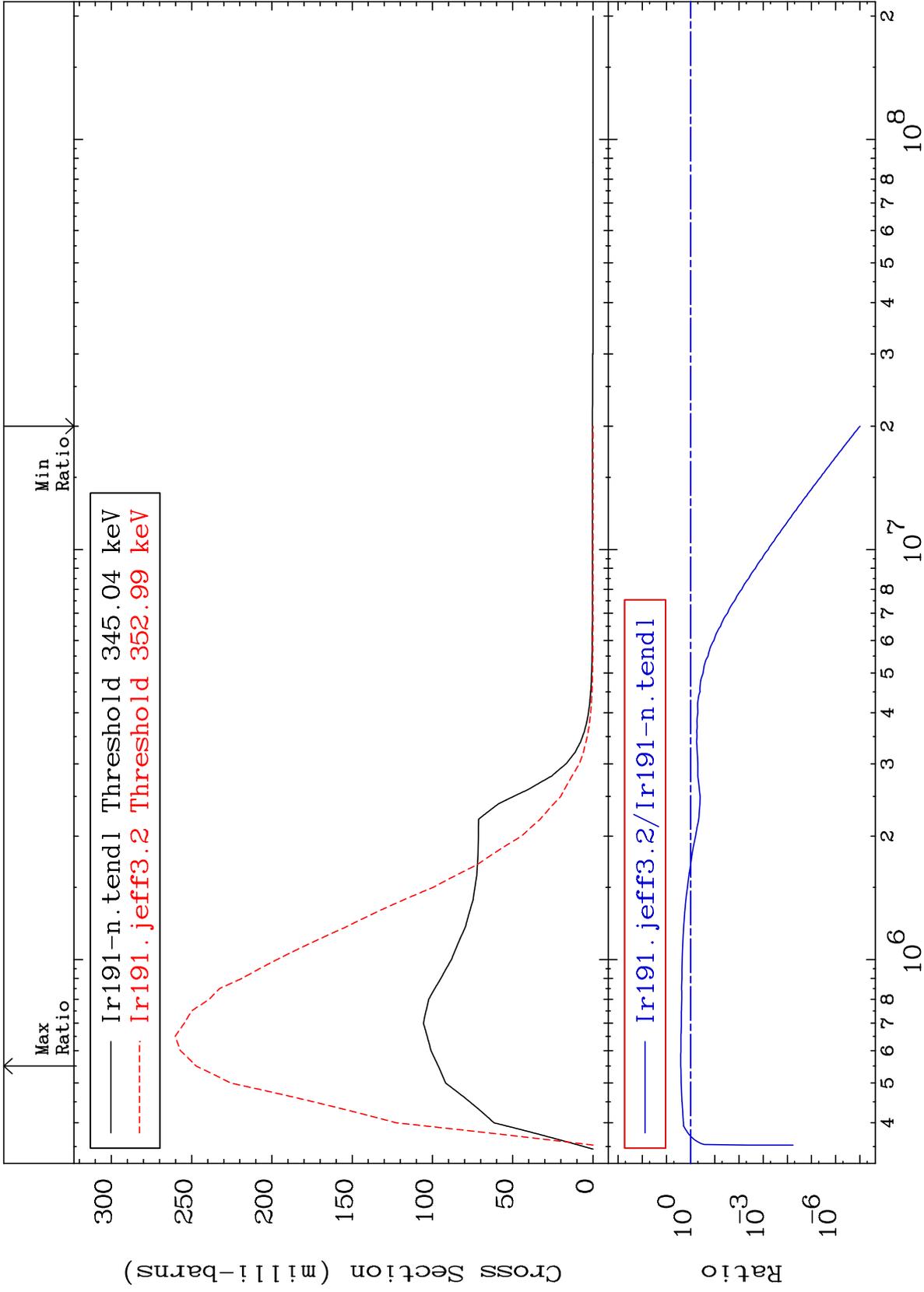
<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 9999. %



MAT 7725

343.2 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 156.4 %



15

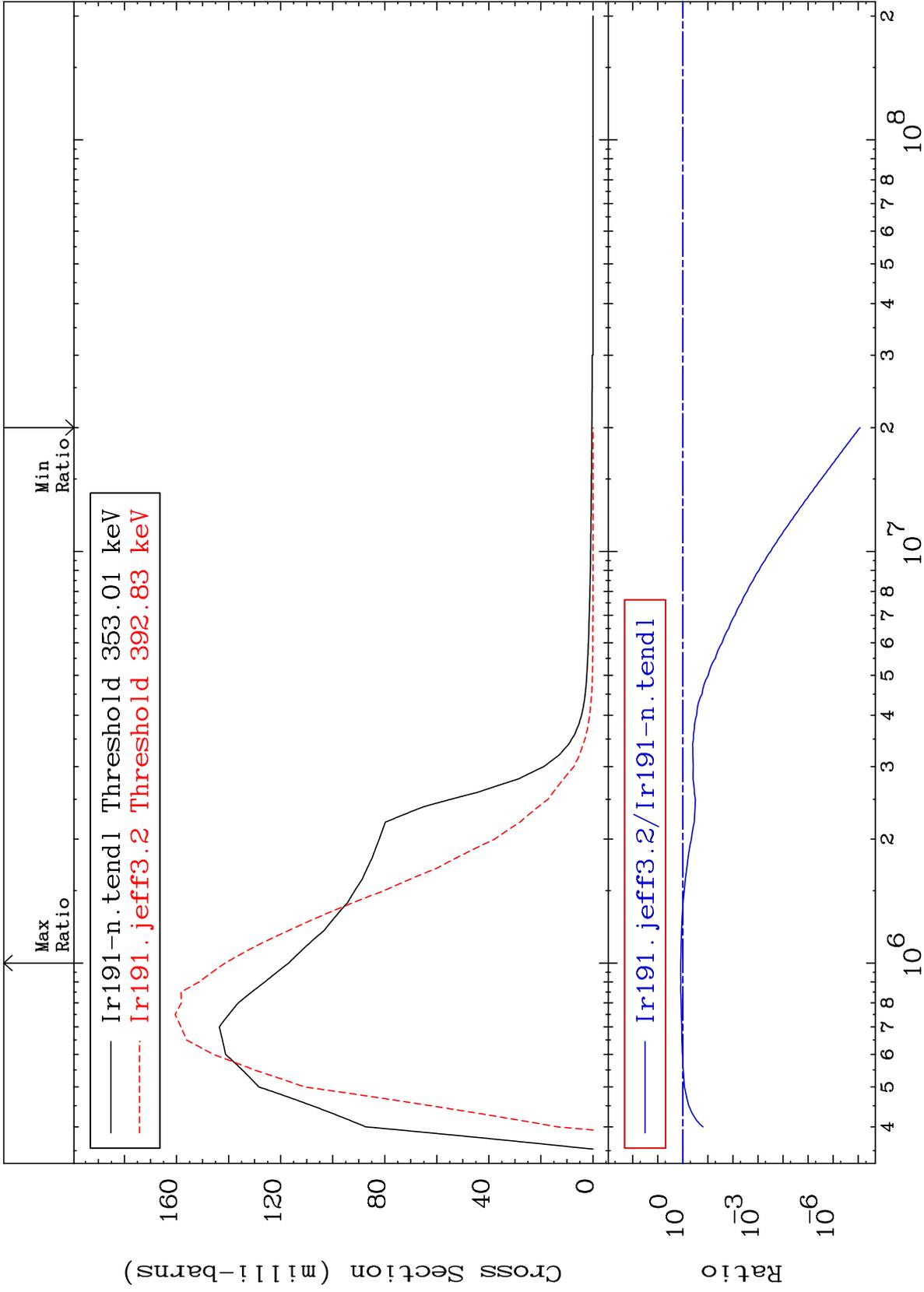
Incident Energy (eV)

<sup>77</sup>Ir-<sup>191</sup>Ir

MAT 7725

351.2 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 20.85 %



16

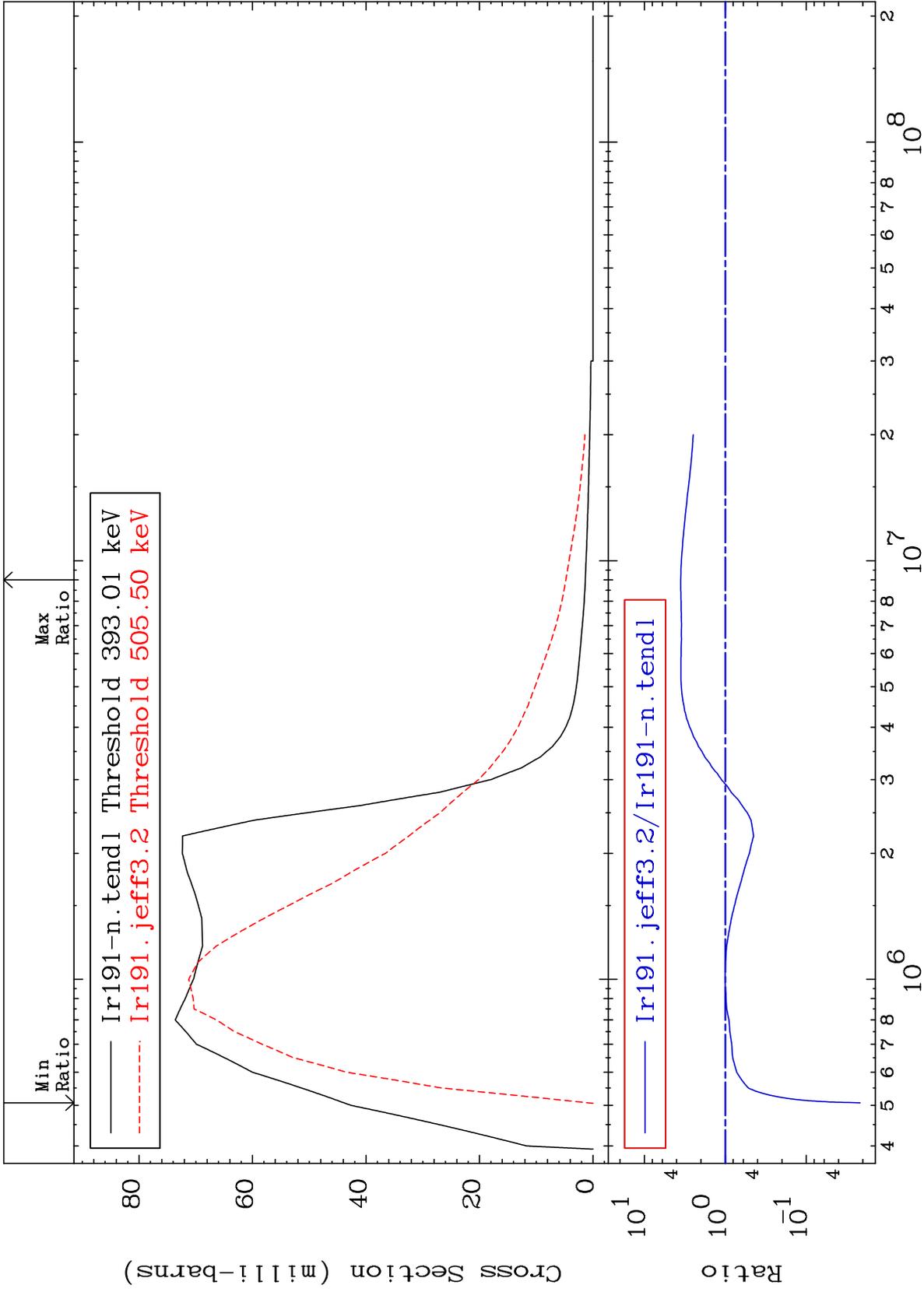
Incident Energy (eV)

<sup>77</sup>Ir-<sup>191</sup>Ir

MAT 7725

390.9 keV (n,n') Level  
Cross Section

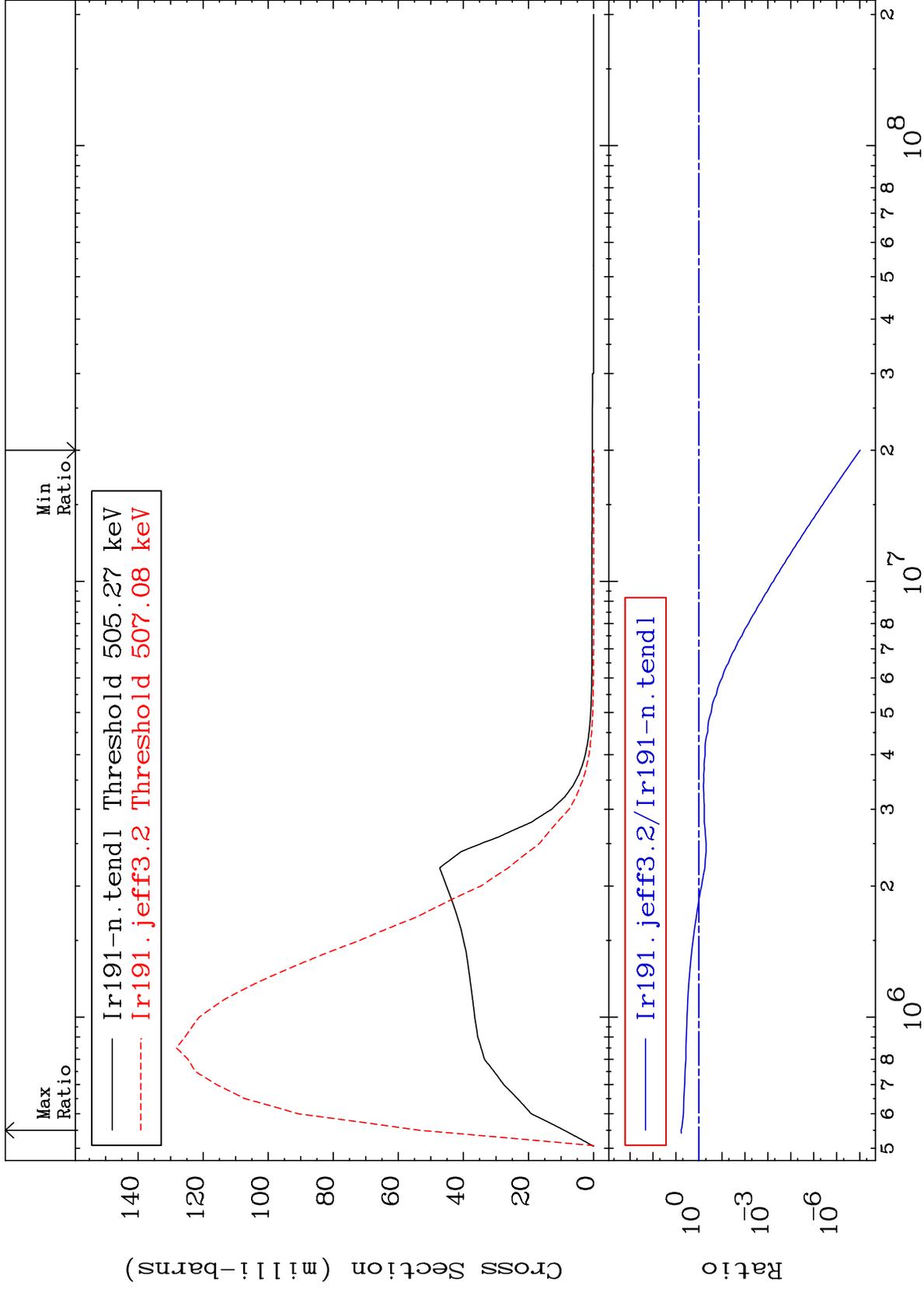
<sup>77</sup>Ir-<sup>191</sup>Ir  
-97.84 To 255.6 %



MAT 7725

502.6 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 493.6 %



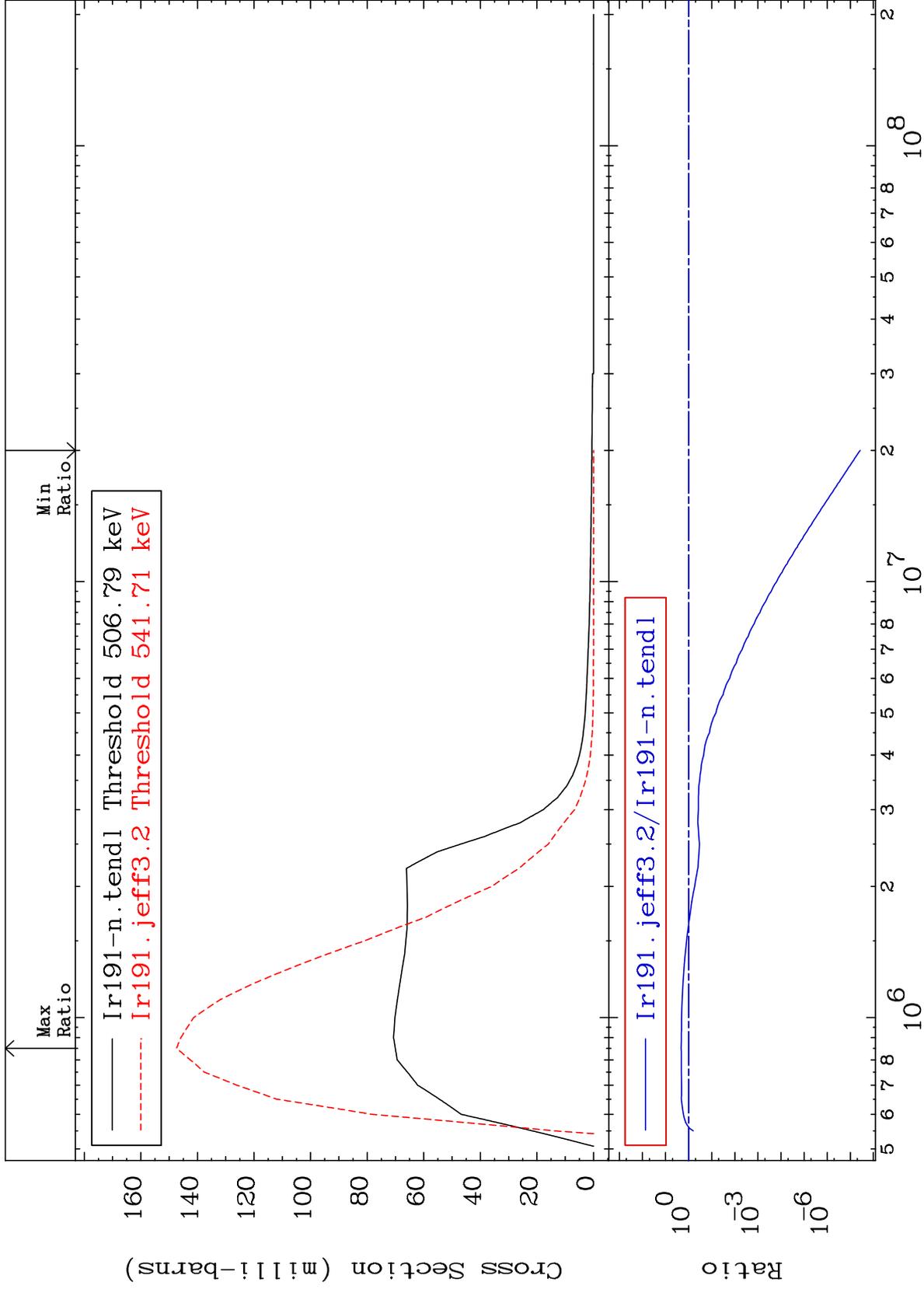
MAT 7725

504.1 keV (n,n') Level

<sup>77</sup>Ir-<sup>191</sup>Ir

-100.0 To 110.5 %

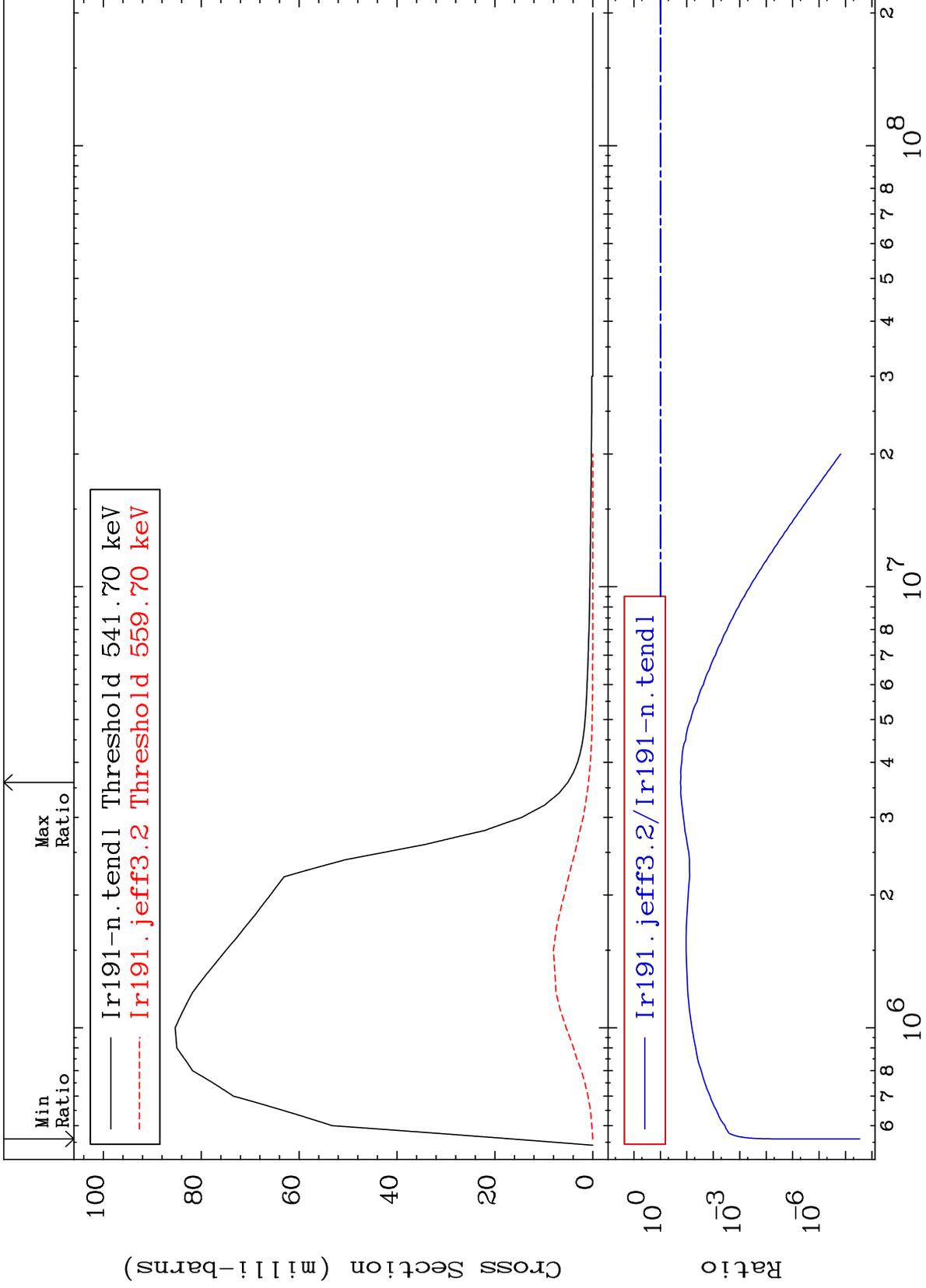
Cross Section



MAT 7725

538.9 keV (n,n') Level  
Cross Section

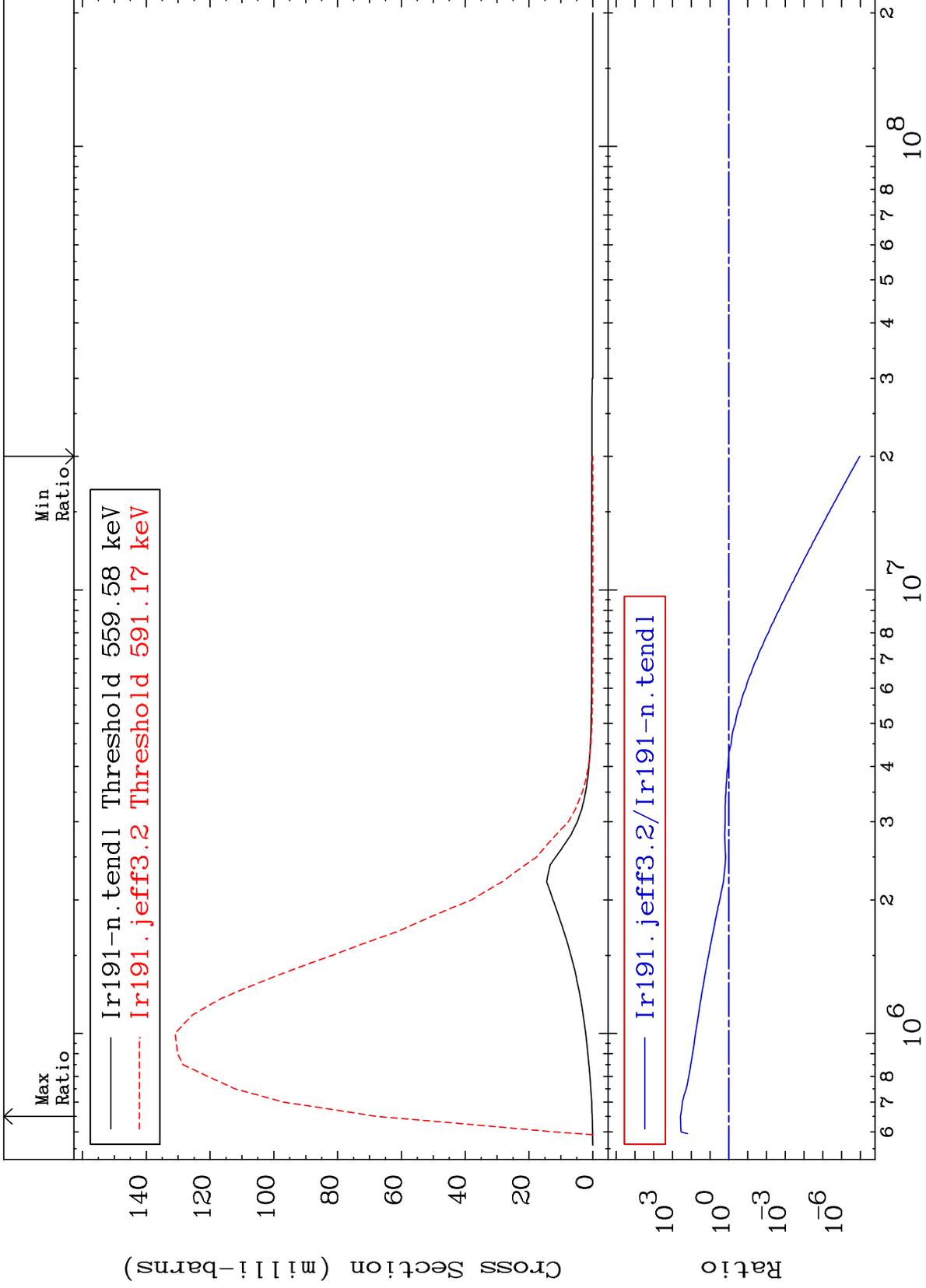
<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To -82.72%



MAT 7725

556.6 keV (n,n') Level  
Cross Section

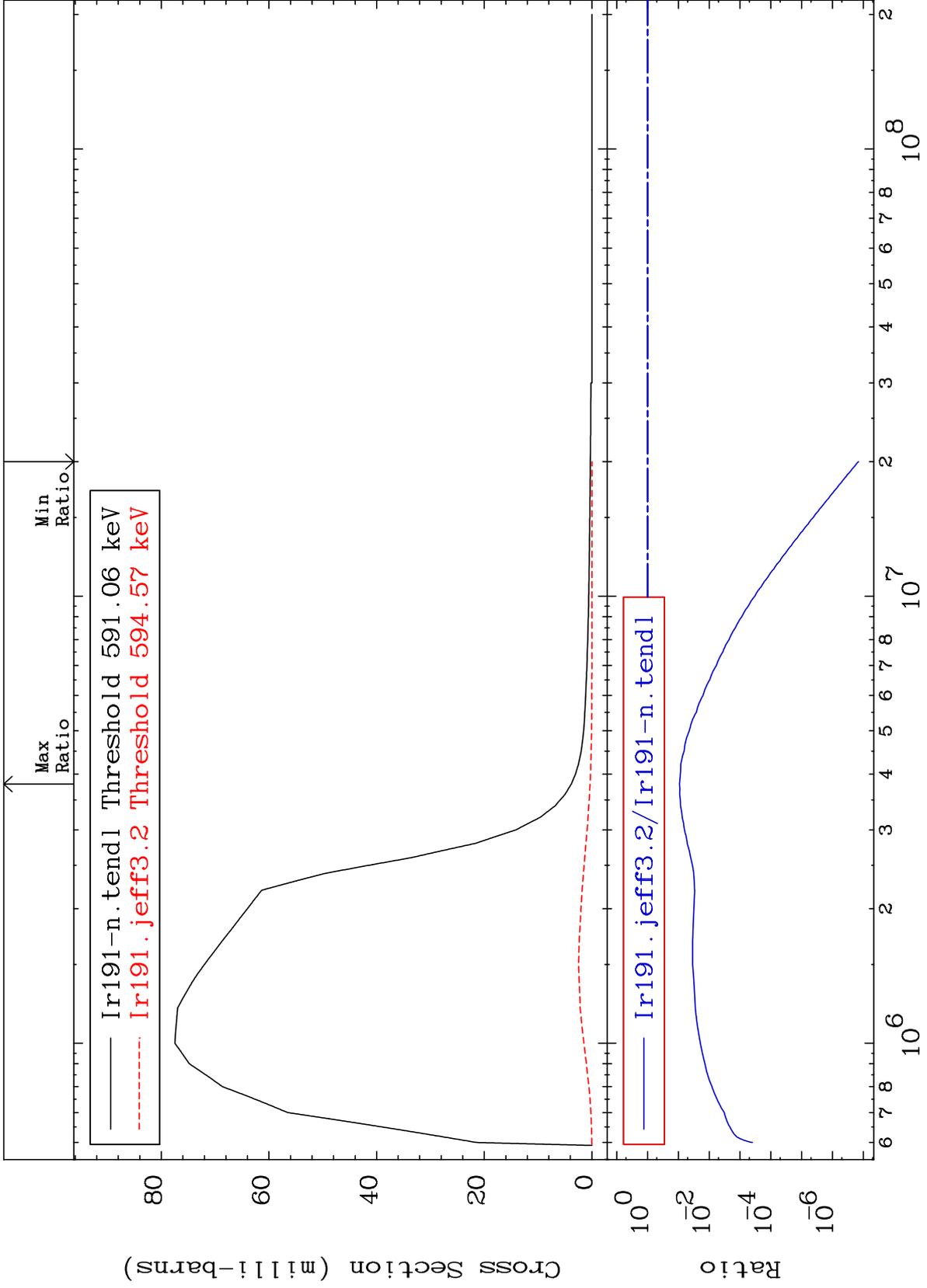
<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 9999. %



MAT 7725

587.9 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To -90.84%



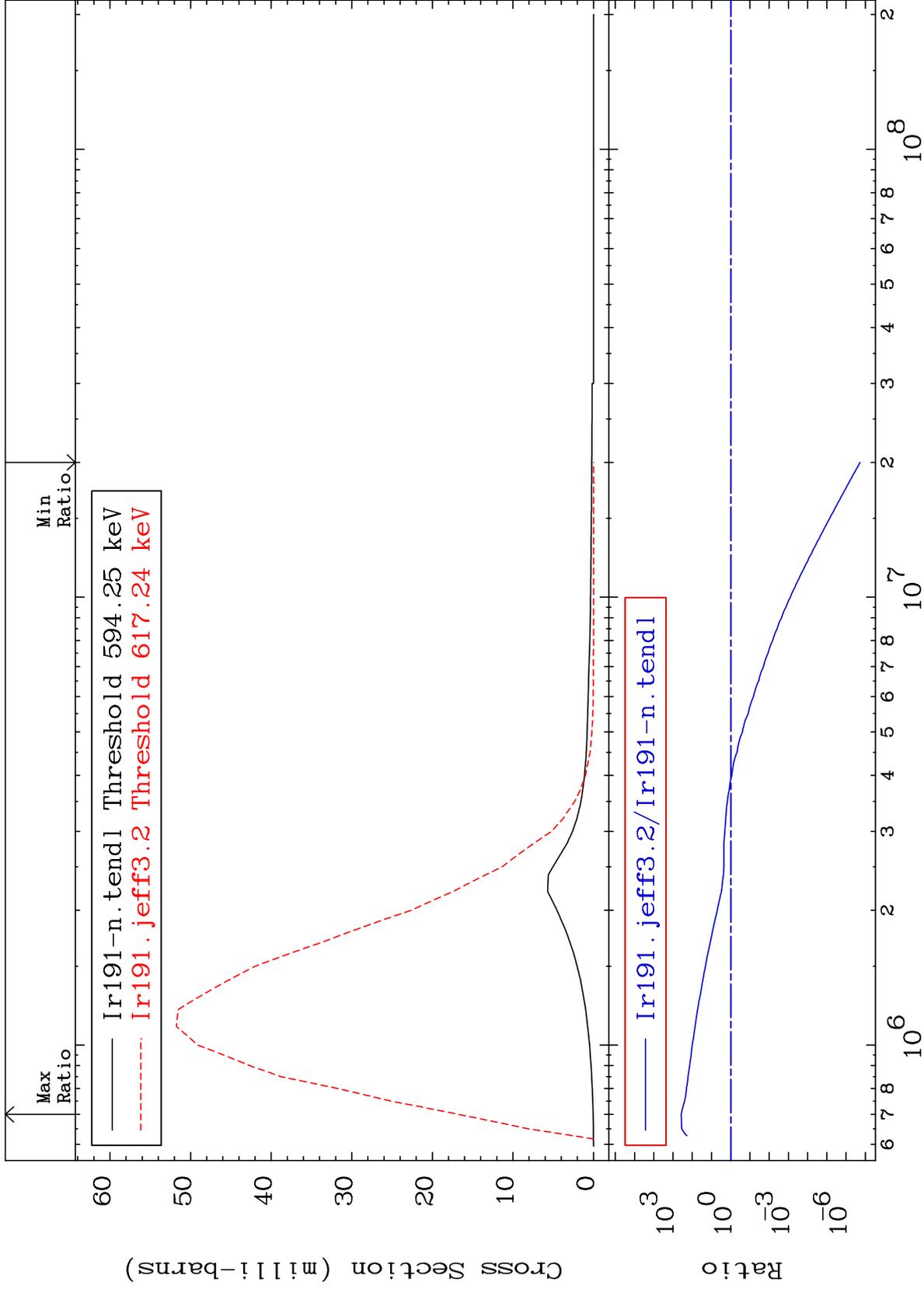
MAT 7725

591.1 keV (n,n') Level

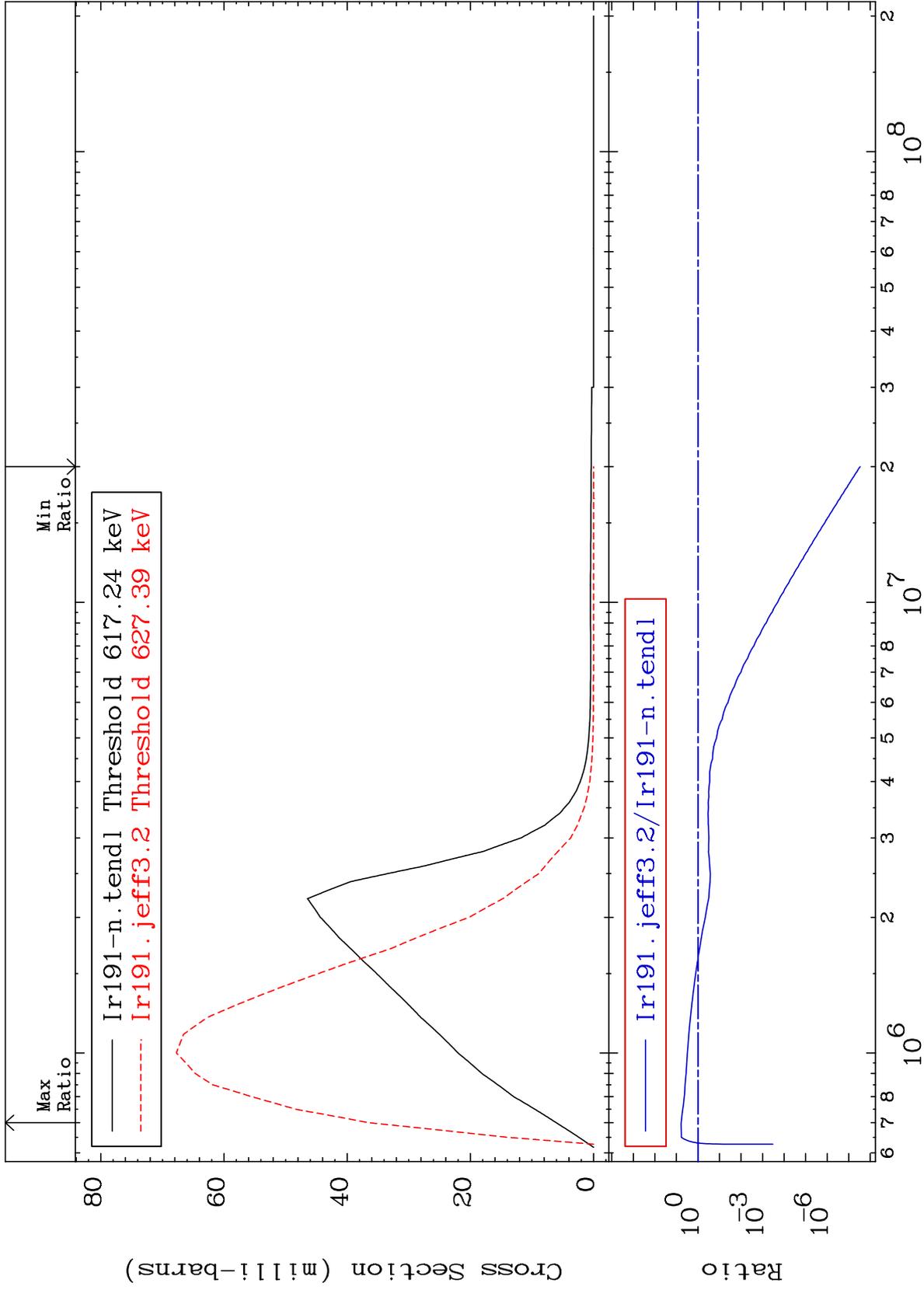
<sup>77</sup>Ir-<sup>191</sup>

-100.0 To 9999. %

Cross Section



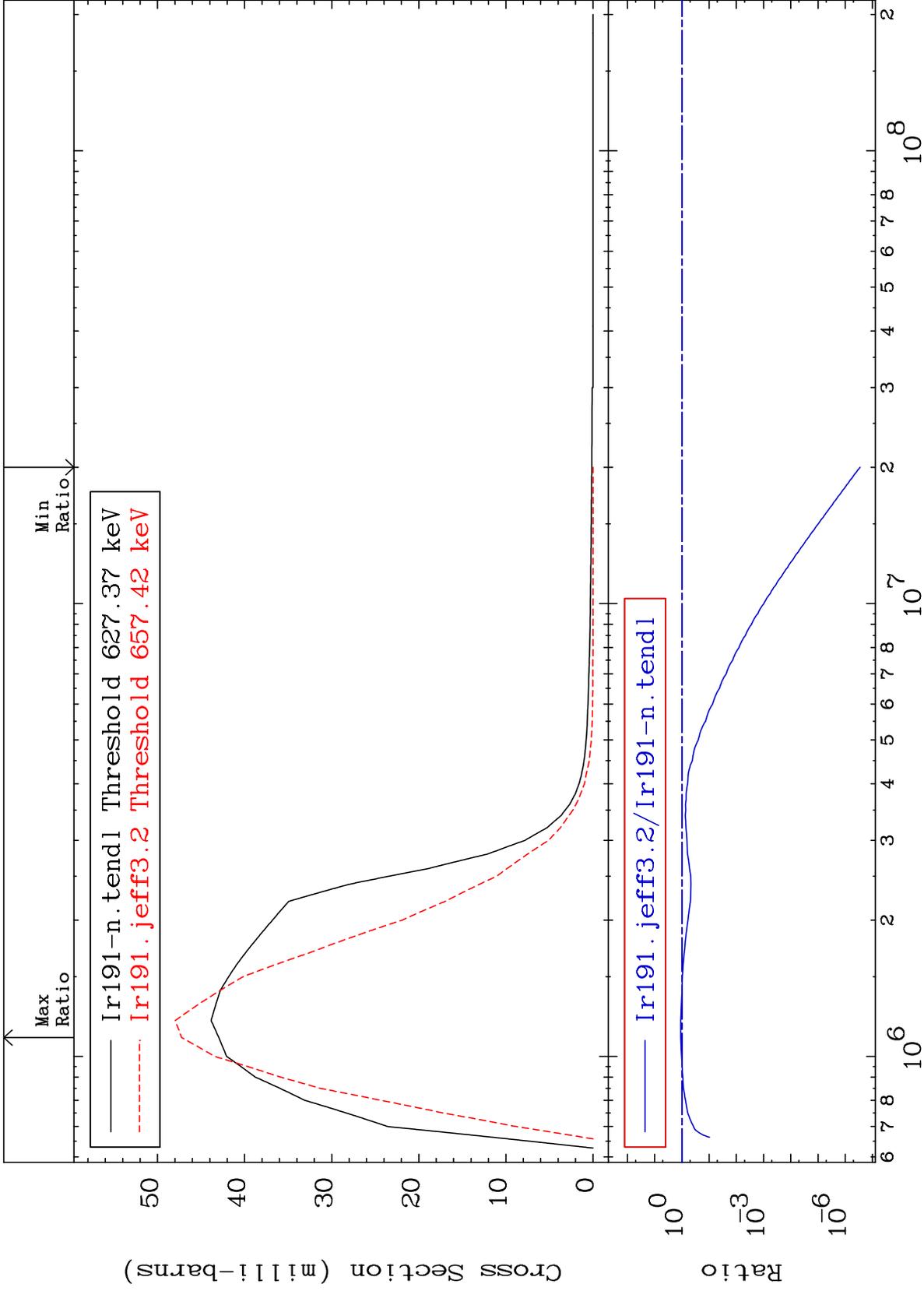
MAT 7725 614.0 keV (n,n') Level 77-Ir-191  
Cross Section -100.0 To 501.5 %



MAT 7725

624.1 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 9.925 %



25

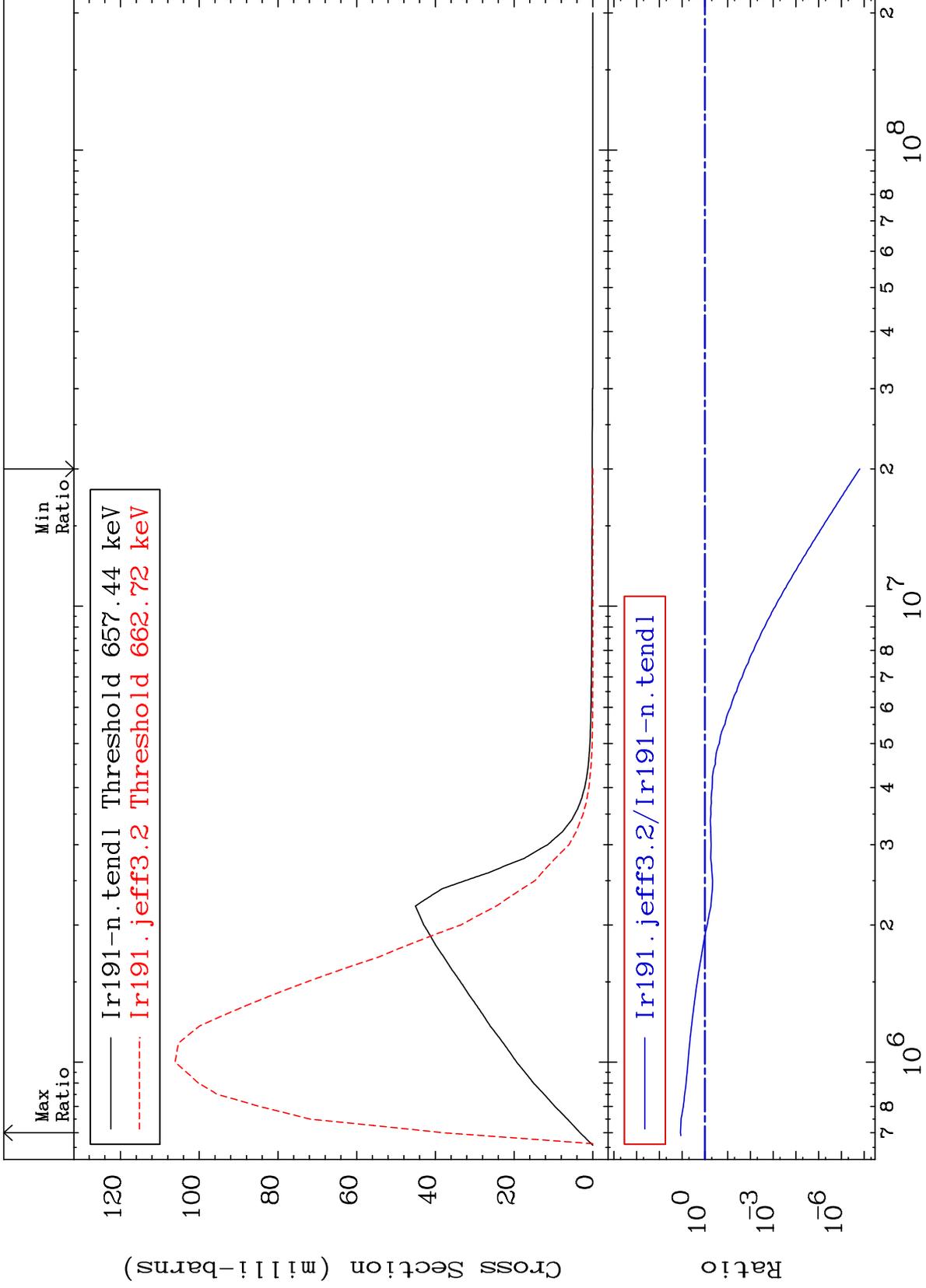
Incident Energy (eV)

<sup>77</sup>Ir-<sup>191</sup>Ir

MAT 7725

654.0 keV (n,n') Level  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 1072. %

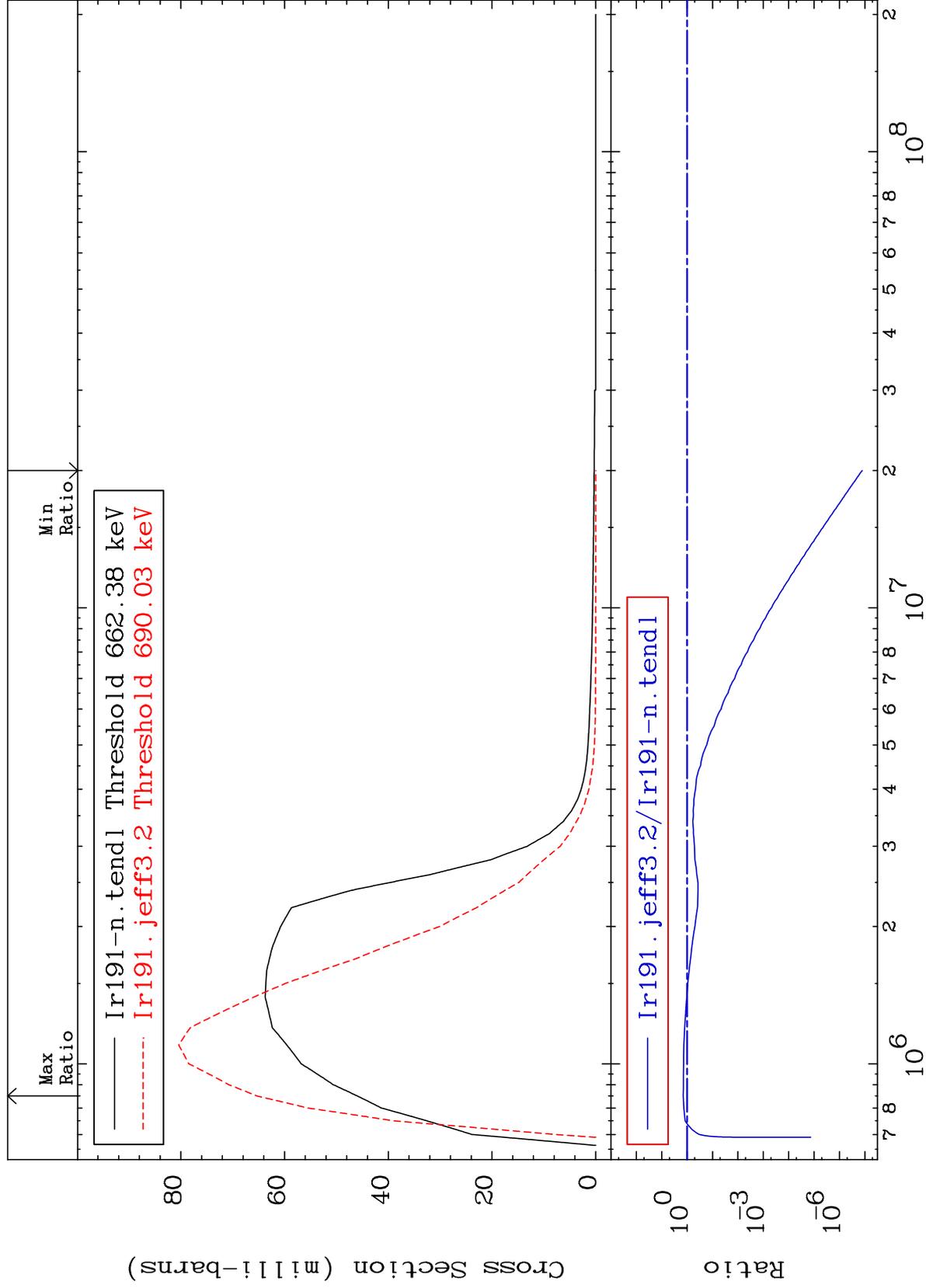


MAT 7725

658.9 keV (n,n') Level

<sup>77</sup>Ir-<sup>191</sup>

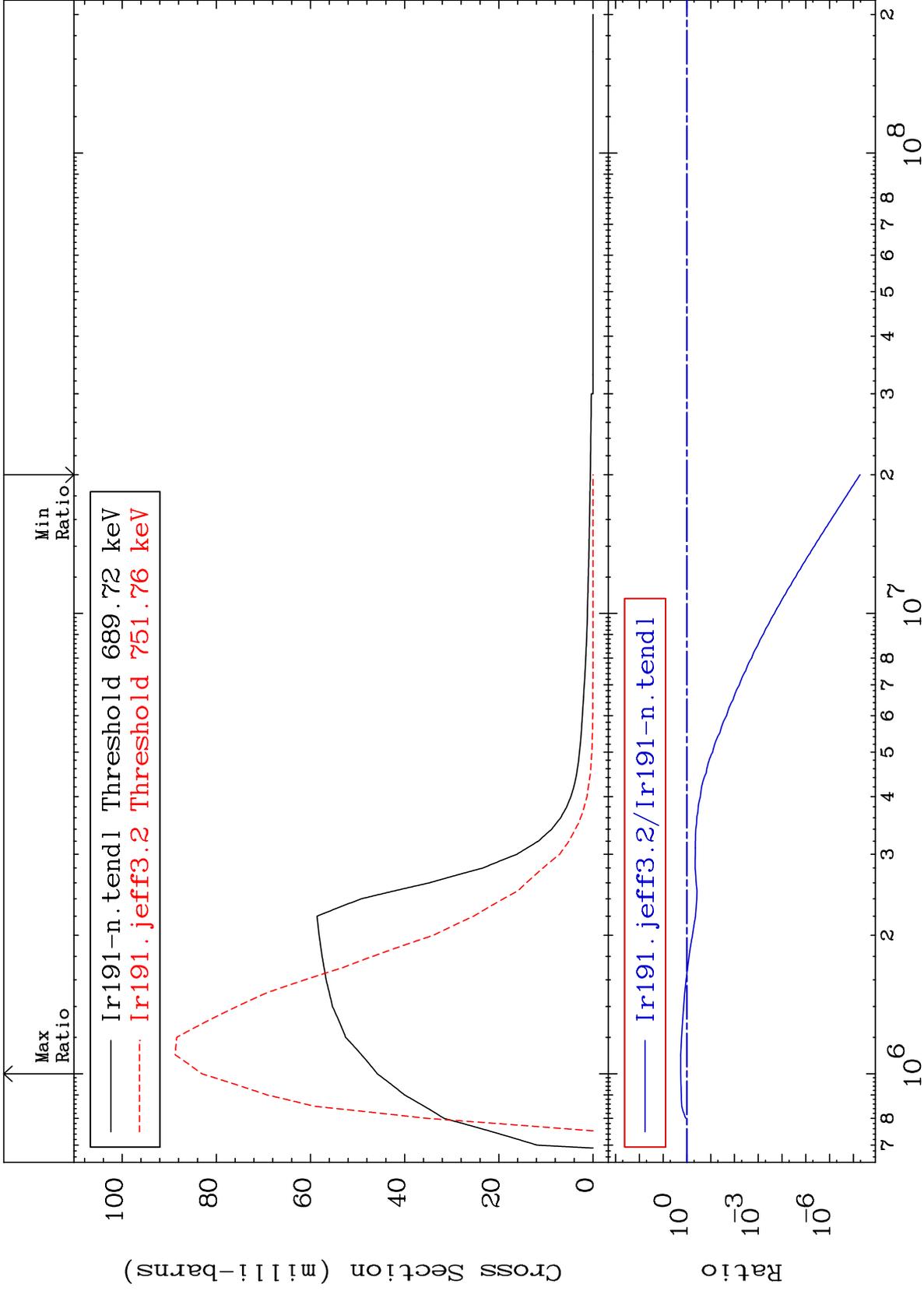
-100.0 To 42.11 %



MAT 7725

686.1 keV (n,n') Level  
Cross Section

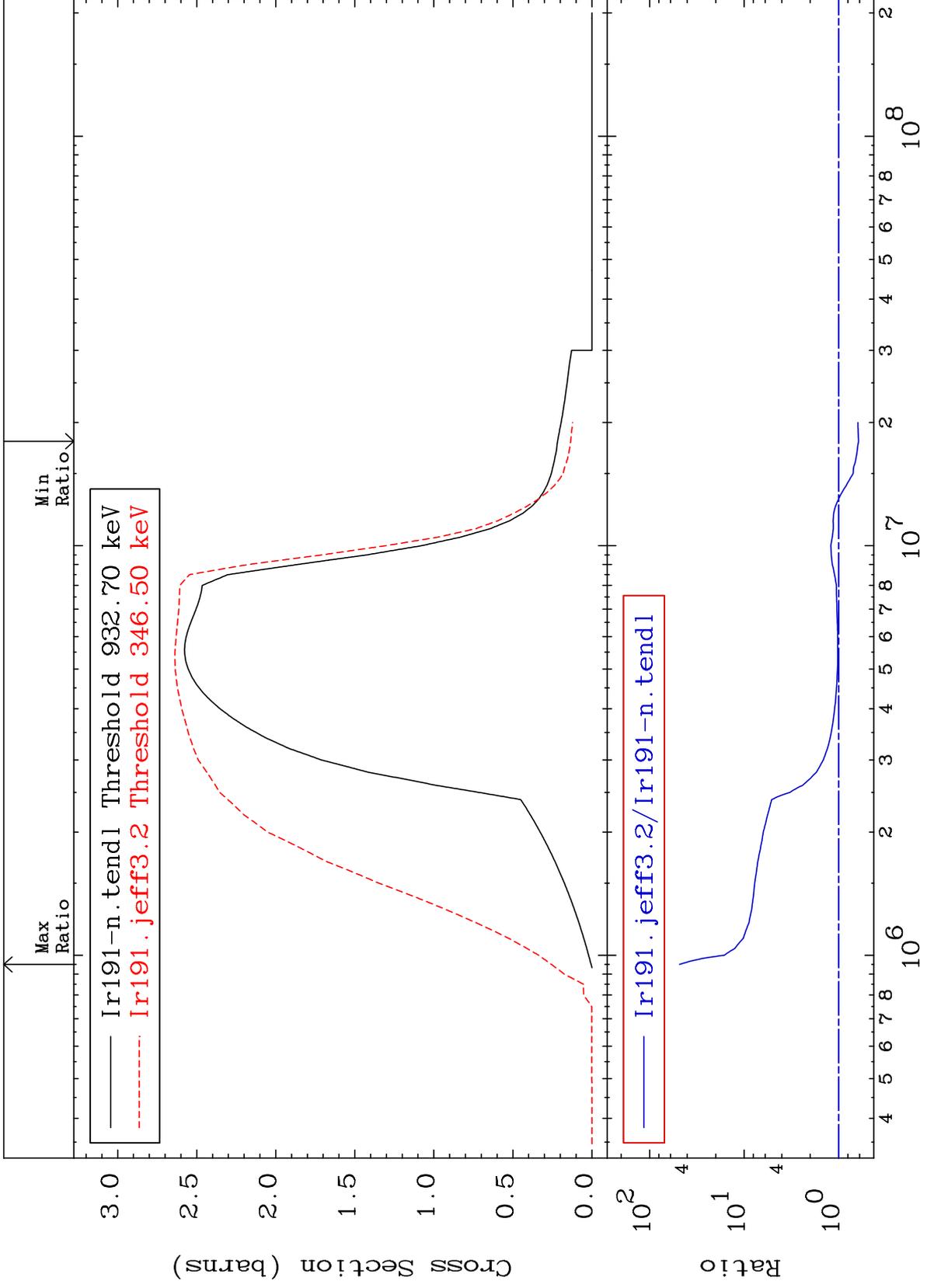
<sup>77</sup>Ir-<sup>191</sup>Ir  
-100.0 To 81.37 %



MAT 7725

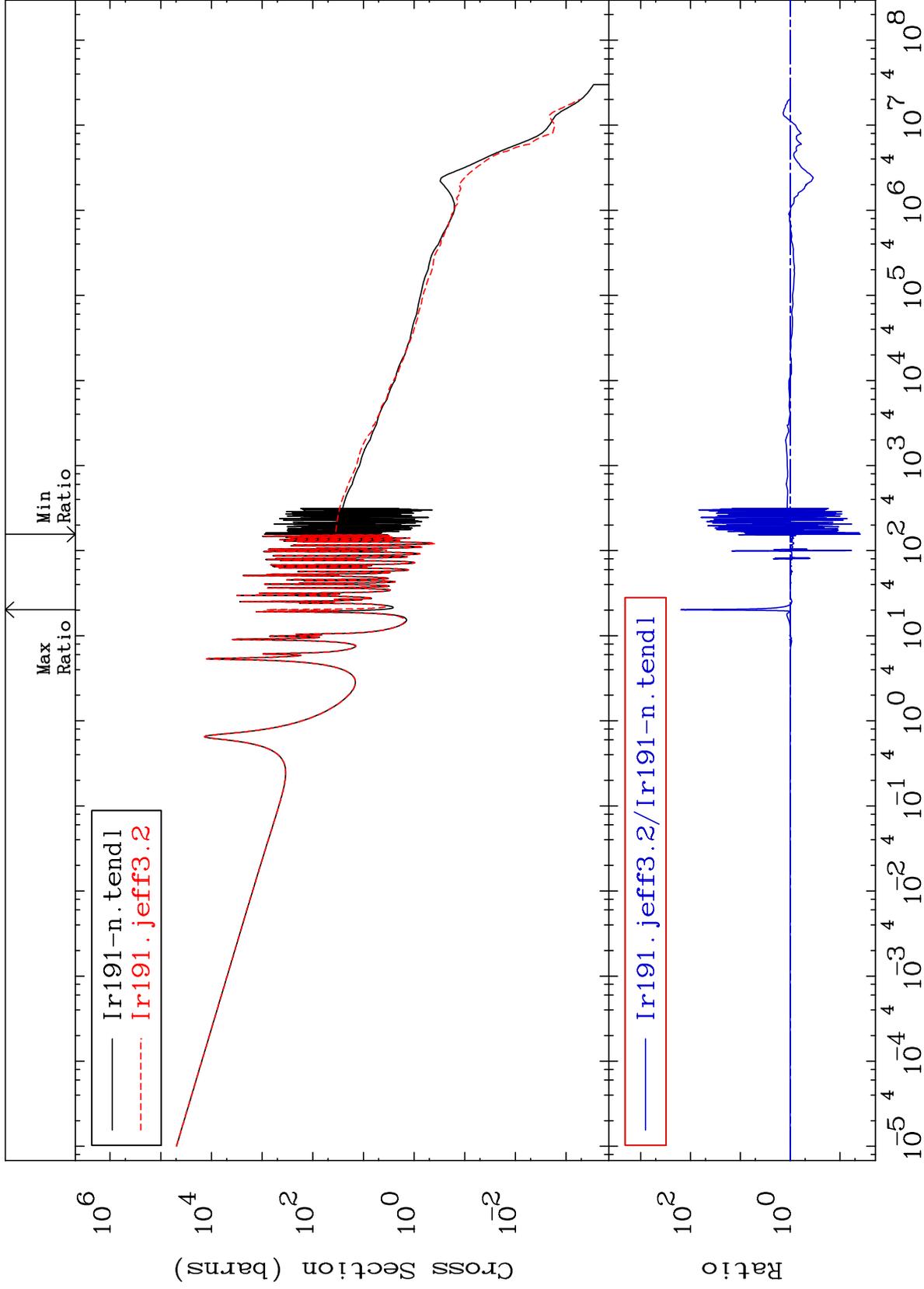
(n, n') Continuum  
Cross Section

77-Ir-191  
-38.31 To 4723. %



MAT 7725

77-Ir-191  
-96.05 To 9999. %



30

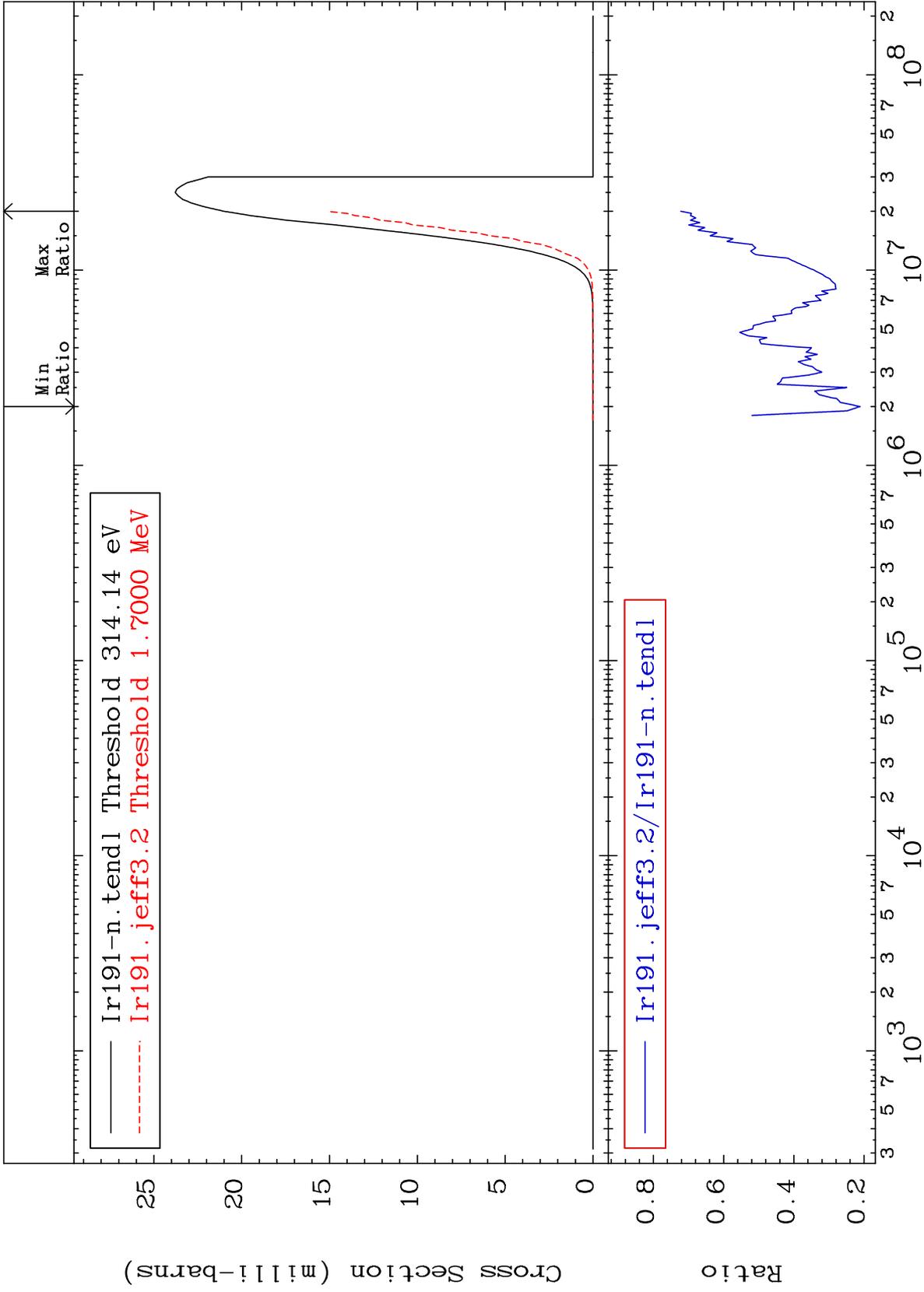
Incident Energy (eV)

77-Ir-191

MAT 7725

(n,p)  
Cross Section

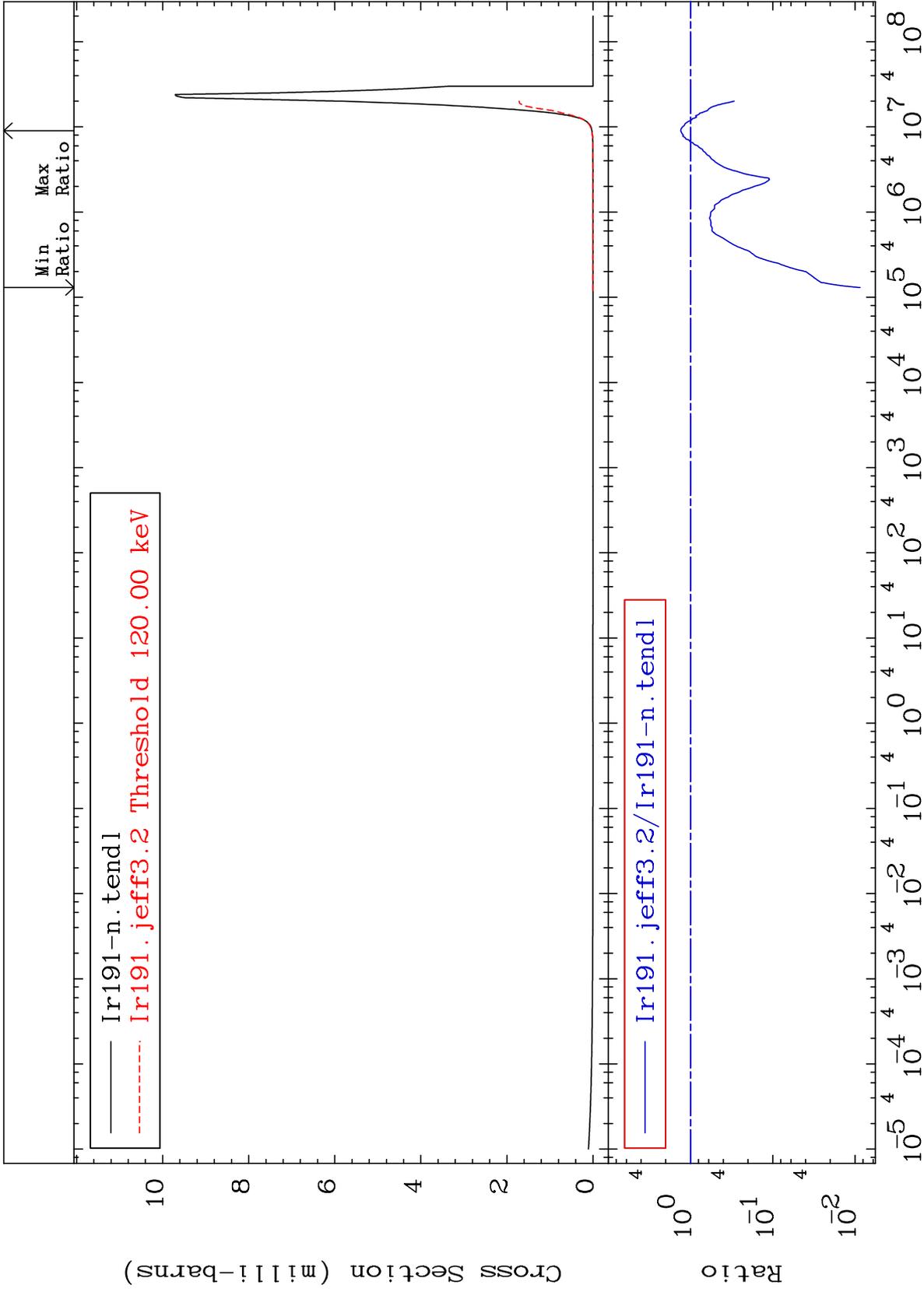
77-Ir-191  
-78.84 To -27.79%



MAT 7725

(n,  $\alpha$ )  
Cross Section

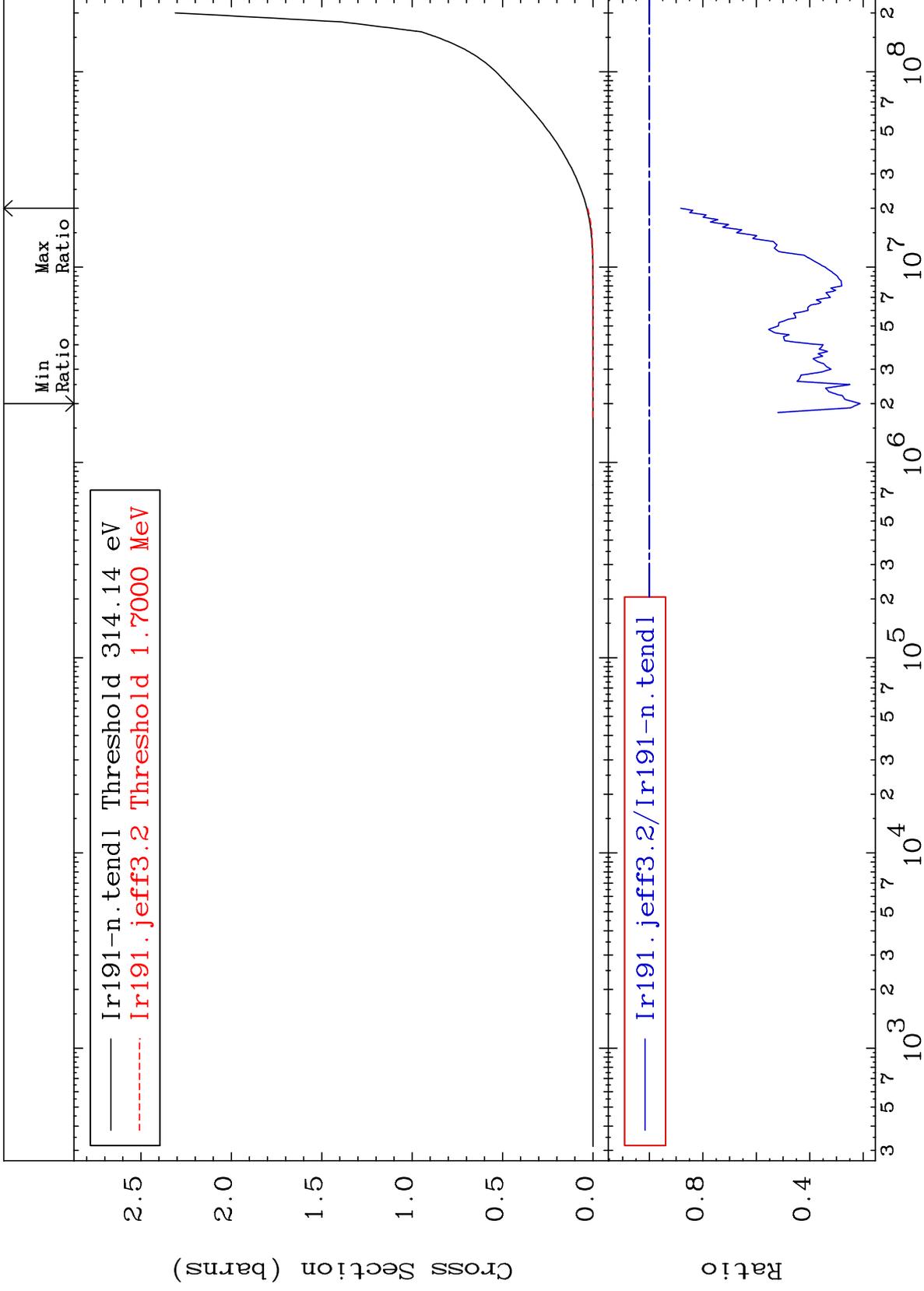
77-Ir-191  
-99.13 To 31.37 %

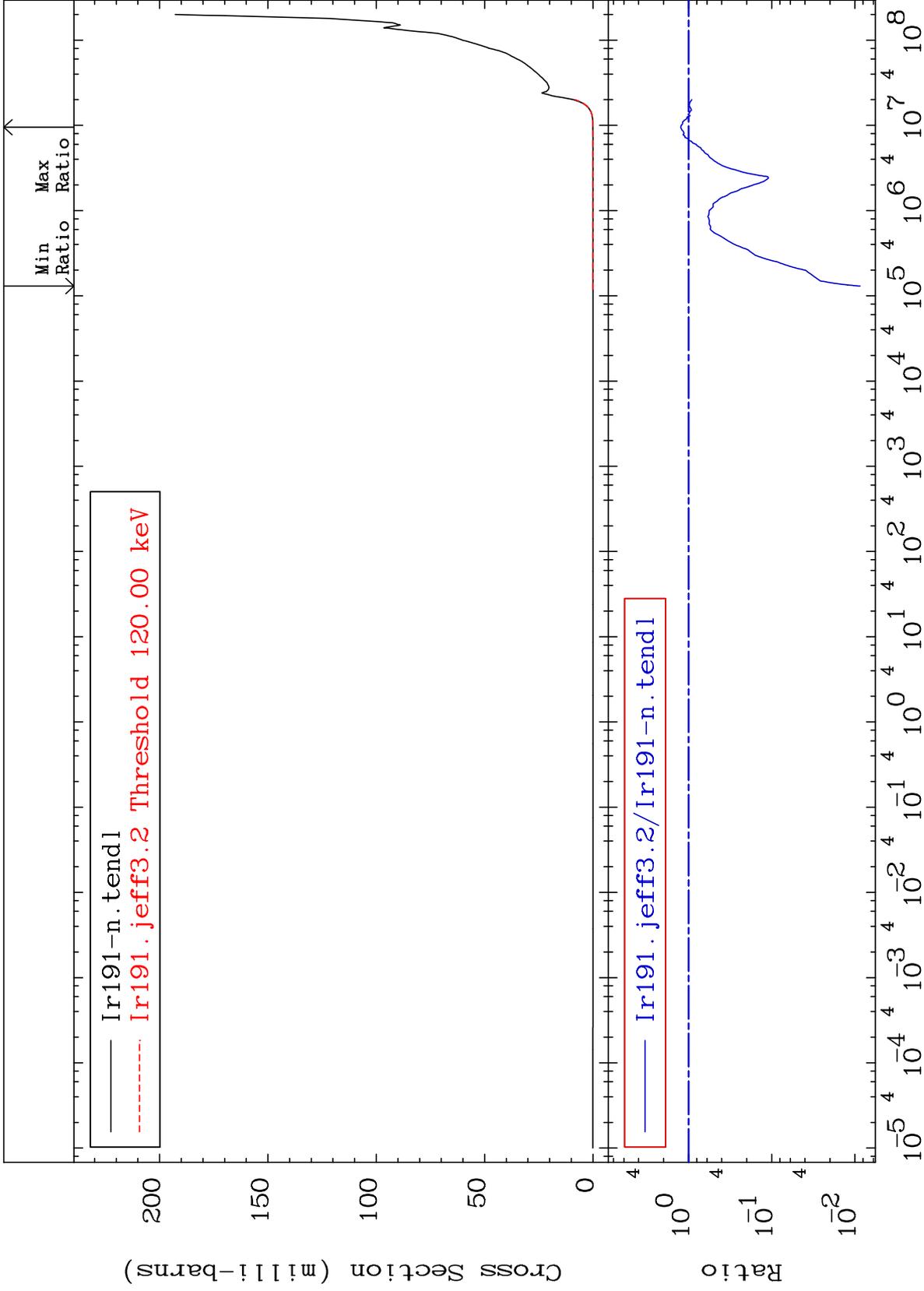


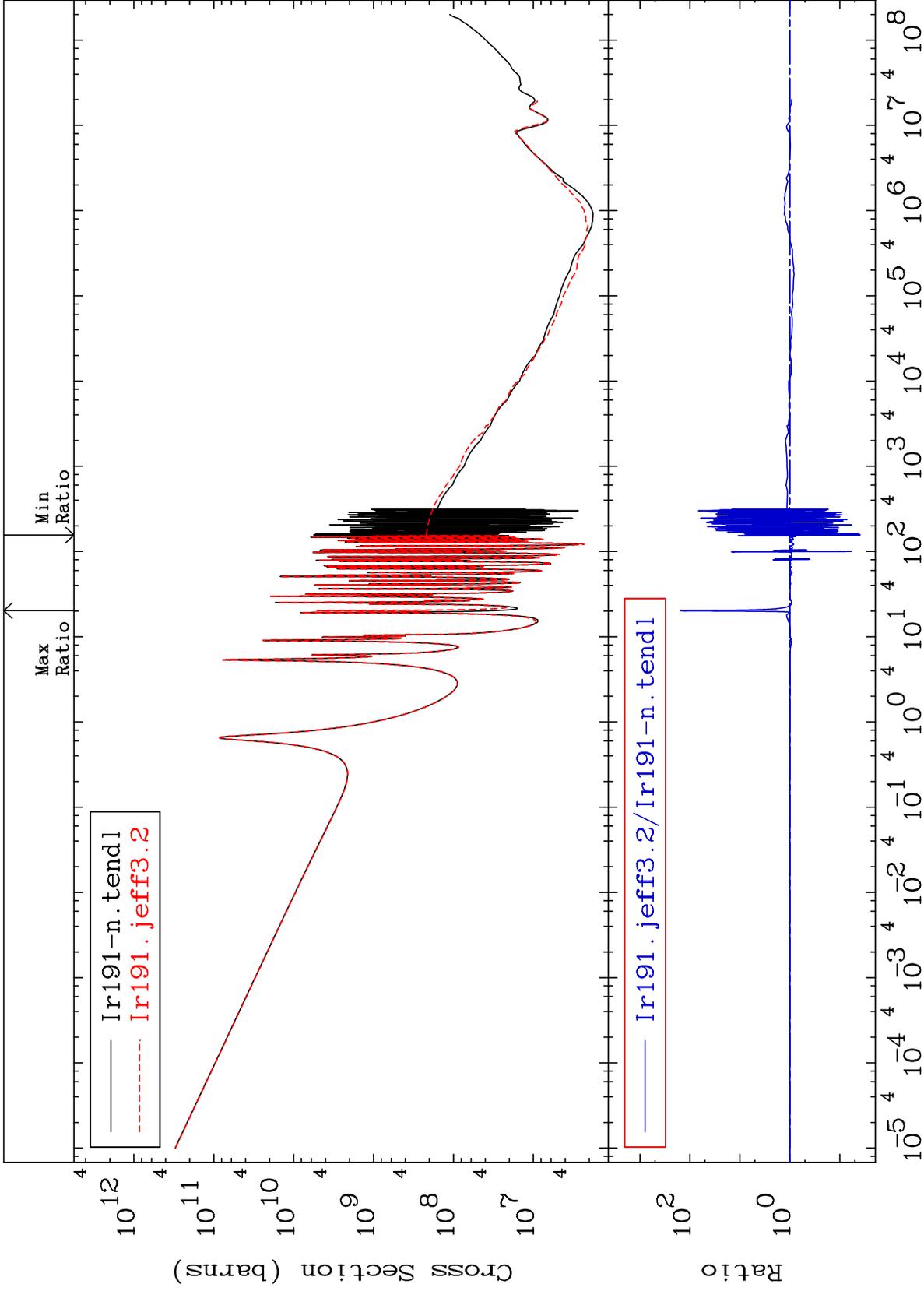
MAT 7725

### Hydrogen Production Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-78.84 To -11.72%



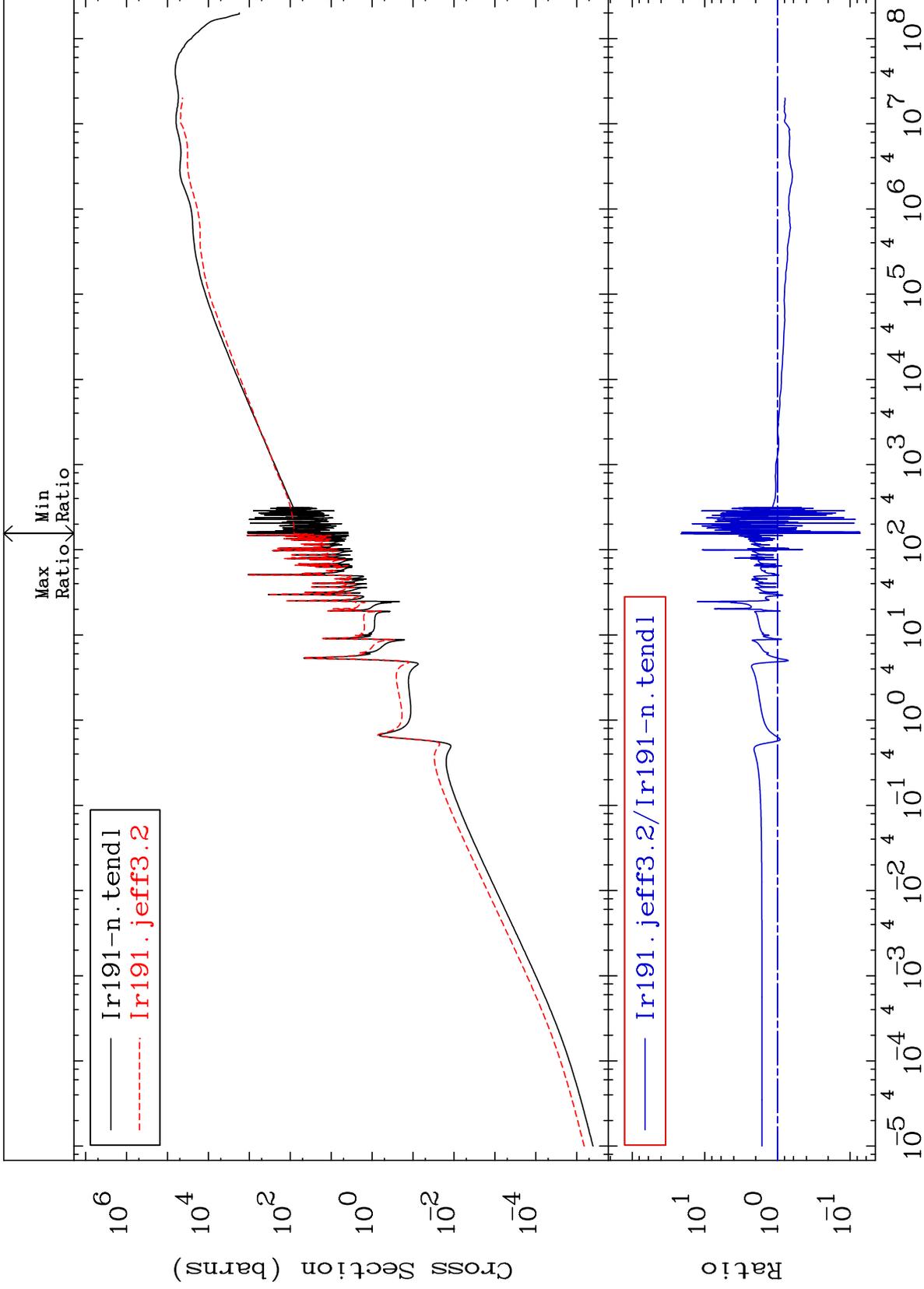


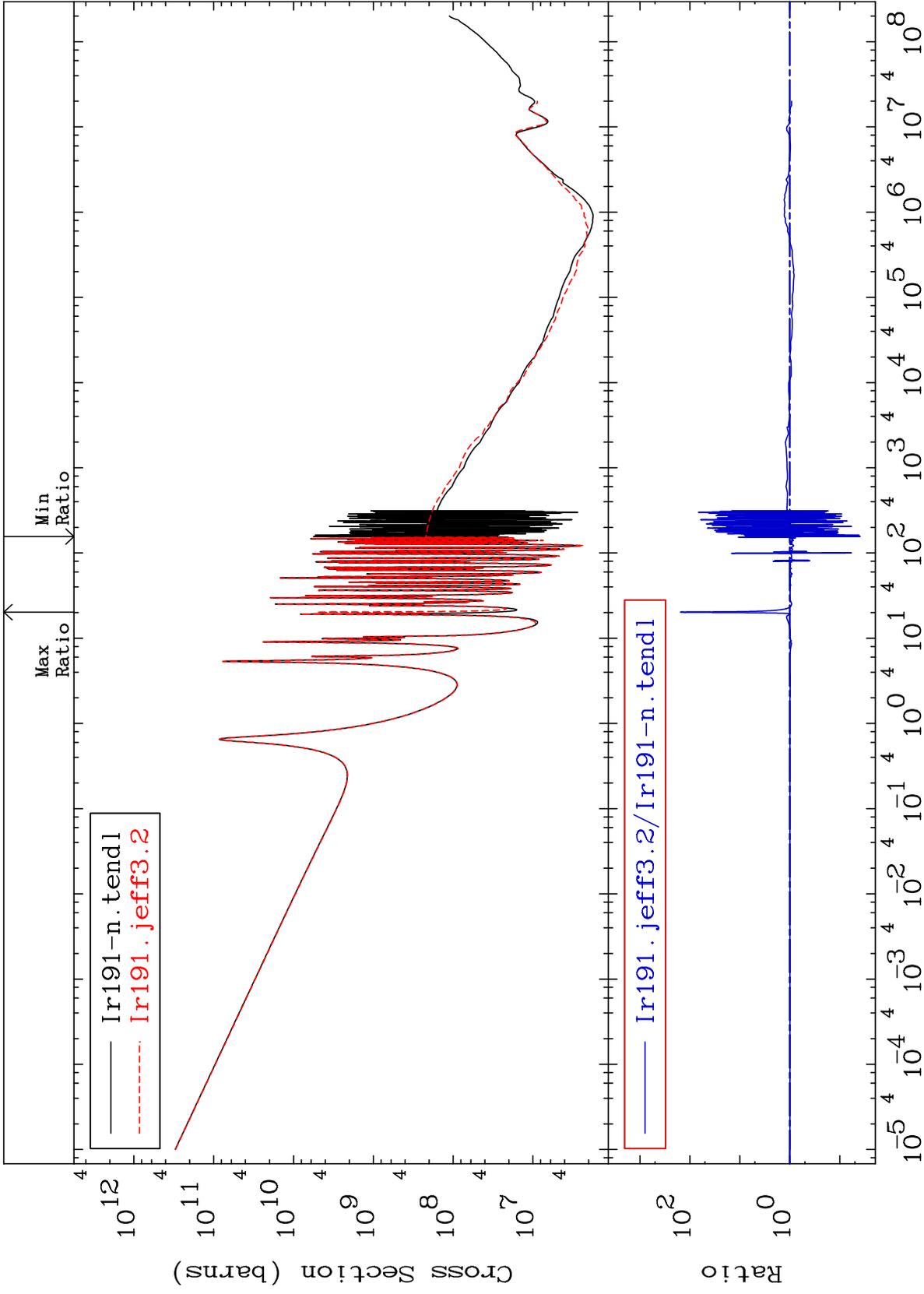


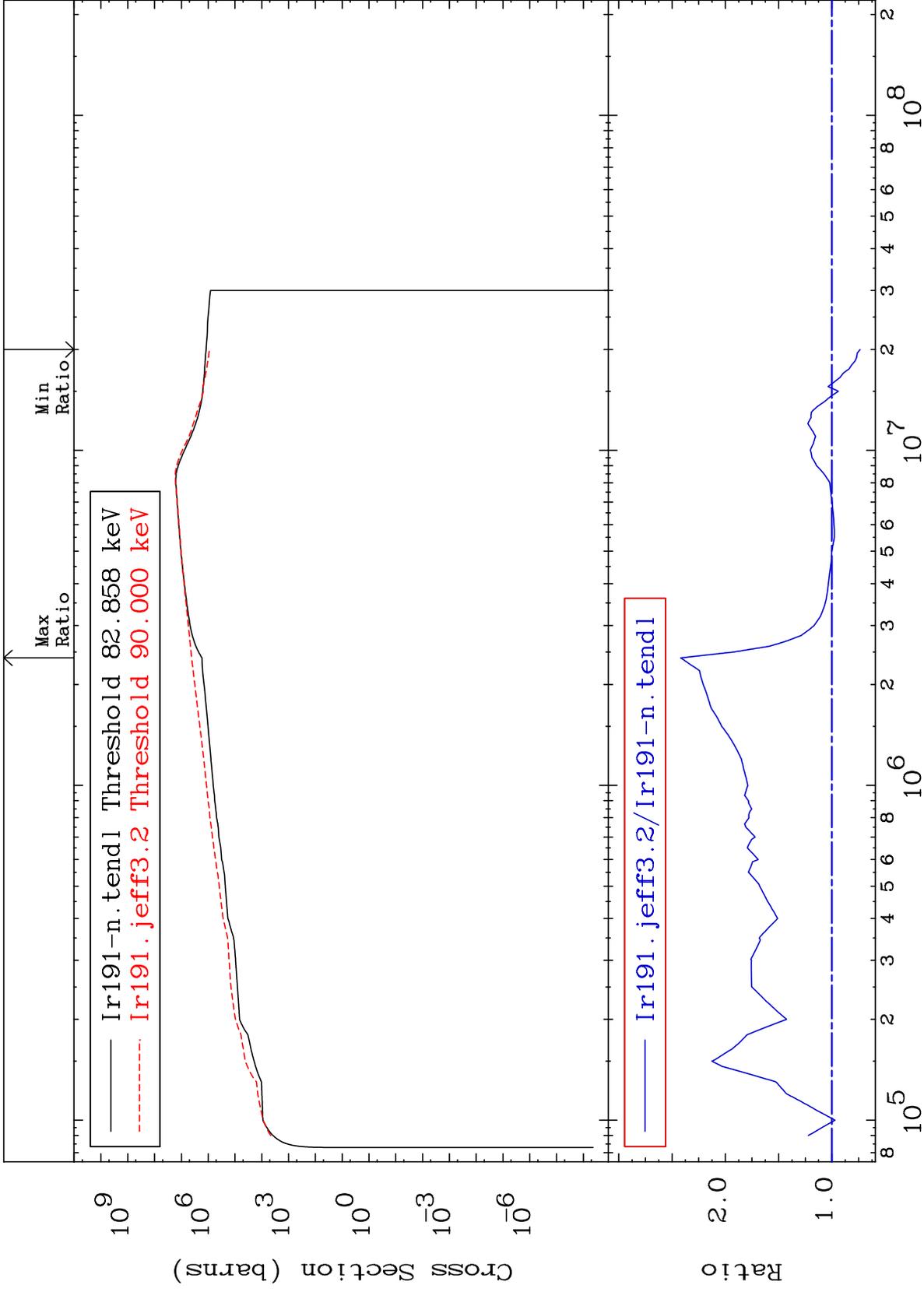
MAT 7725

Kerma elastic  
Cross Section

<sup>77</sup>Ir-<sup>191</sup>Ir  
-92.72 To 2044. %



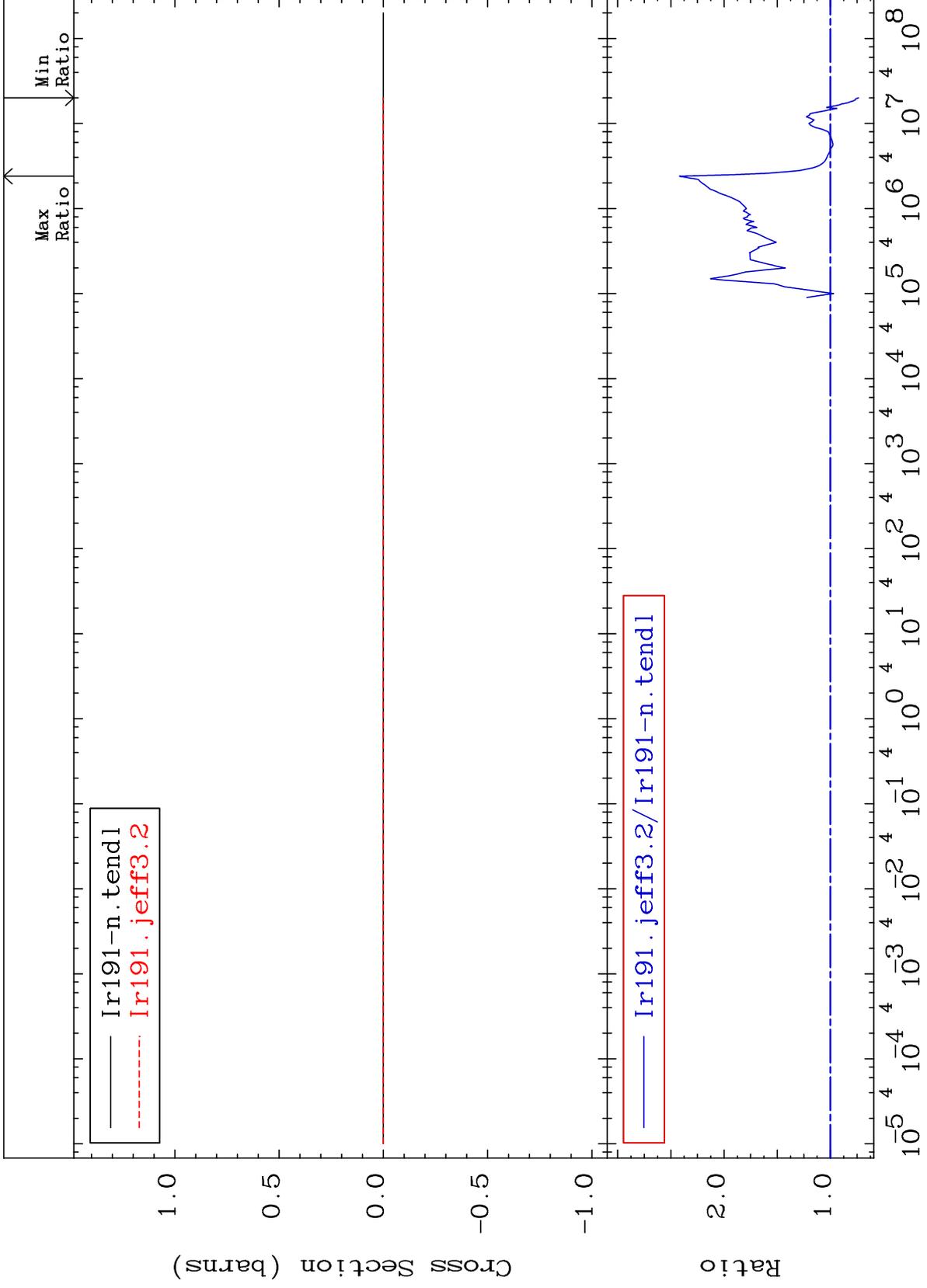




MAT 7725

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

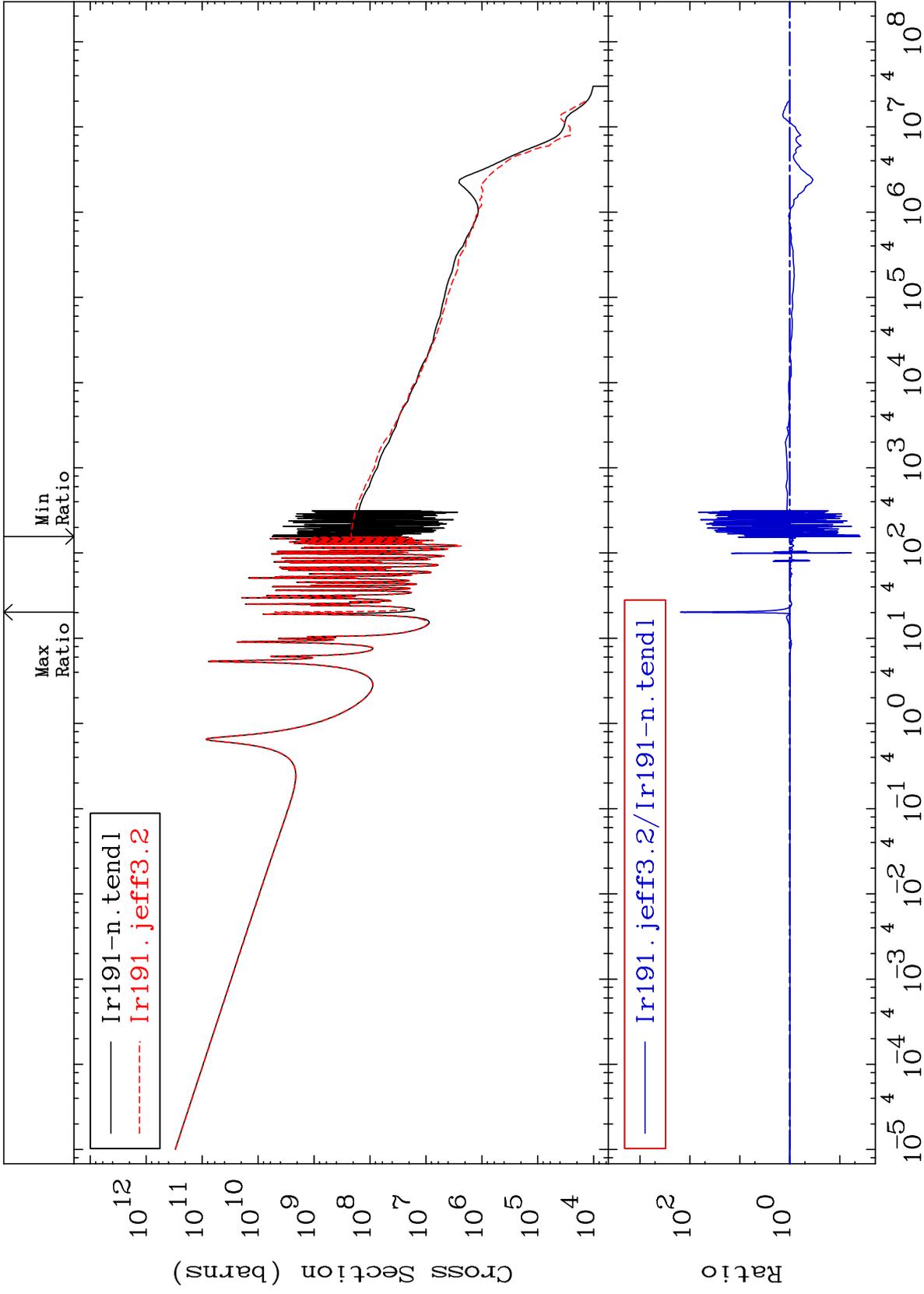
77-Ir-191  
-26.43 To 141.8 %



MAT 7725

Kerma capture (mt102)  
Cross Section

77-Ir-191  
-96.08 To 9999. %



Incident Energy (eV)

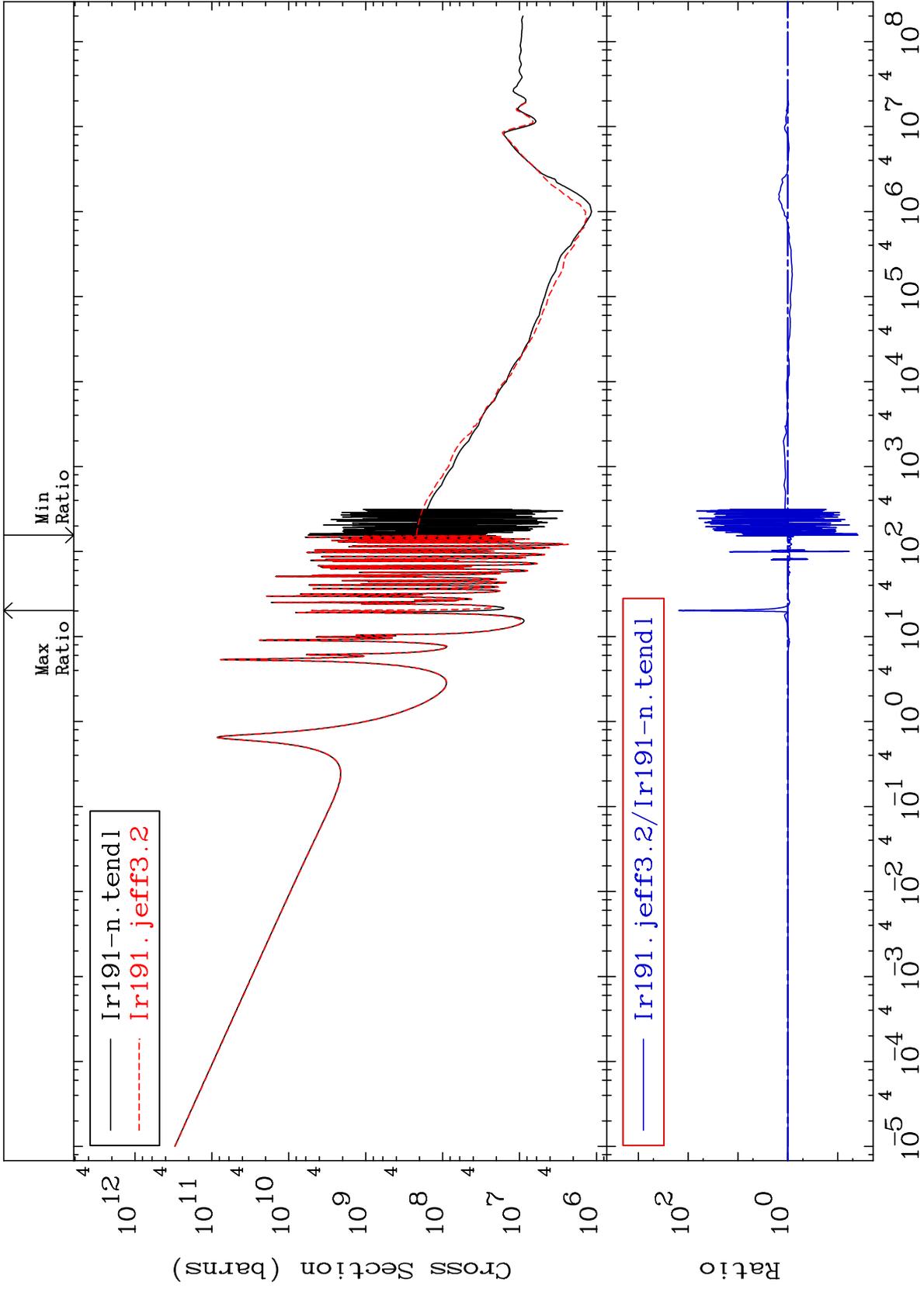
77-Ir-191

40

MAT 7725

Total photon (eV-barns)  
Cross Section

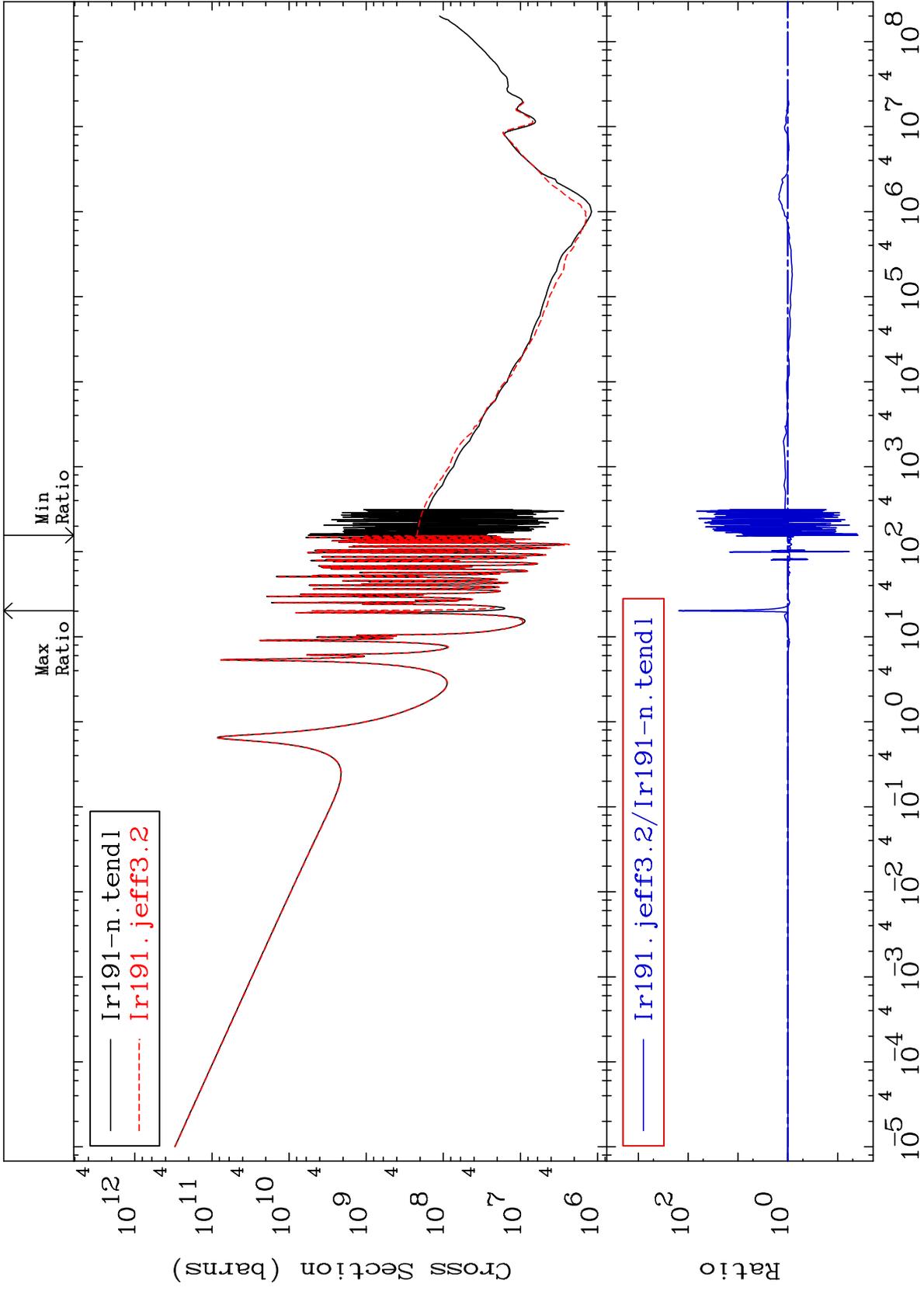
<sup>77</sup>Ir-191  
-96.08 To 9999. %

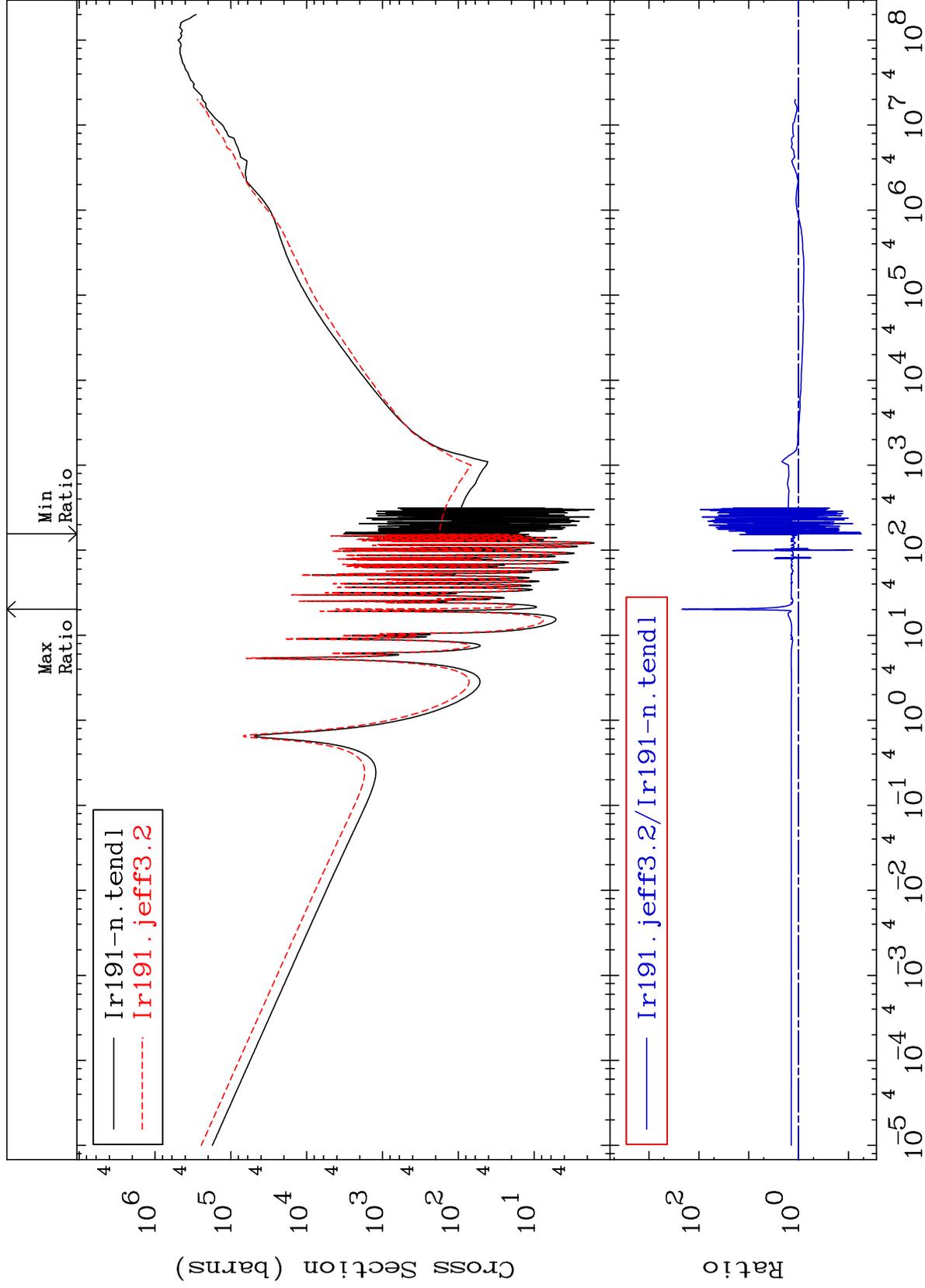


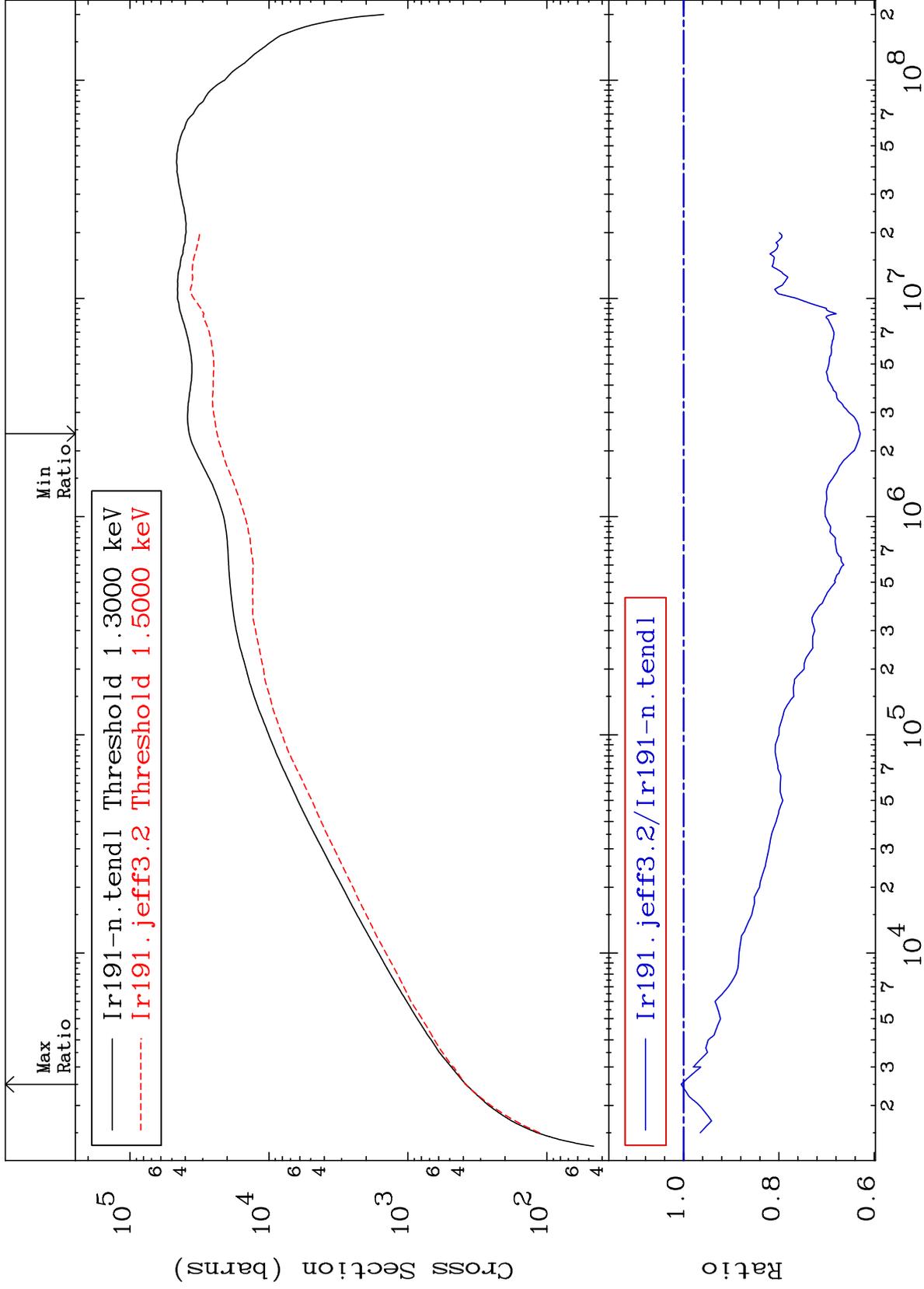
41

Incident Energy (eV)

<sup>77</sup>Ir-191



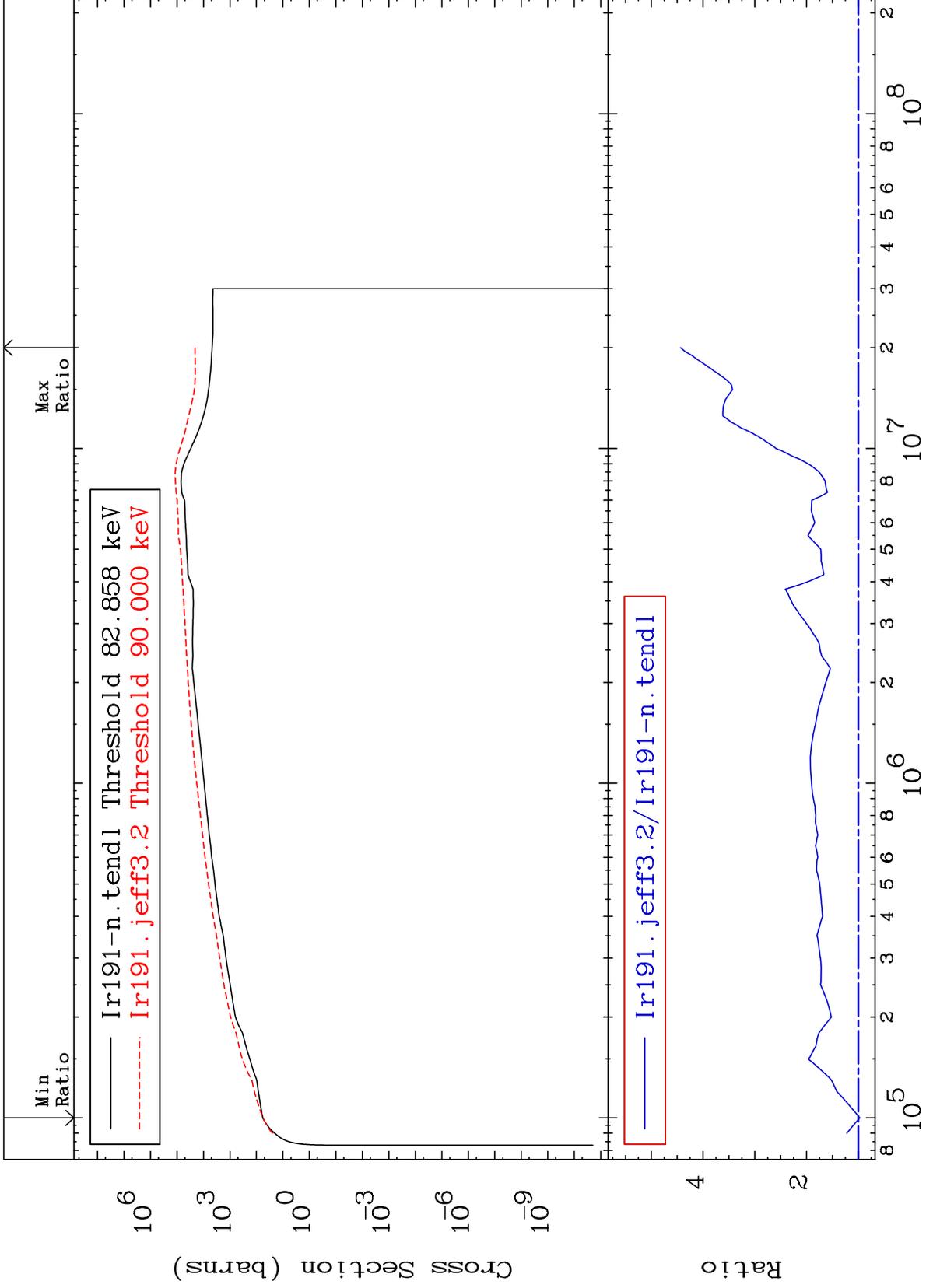




MAT 7725

Dpa inelastic (mt51-91)  
Cross Section

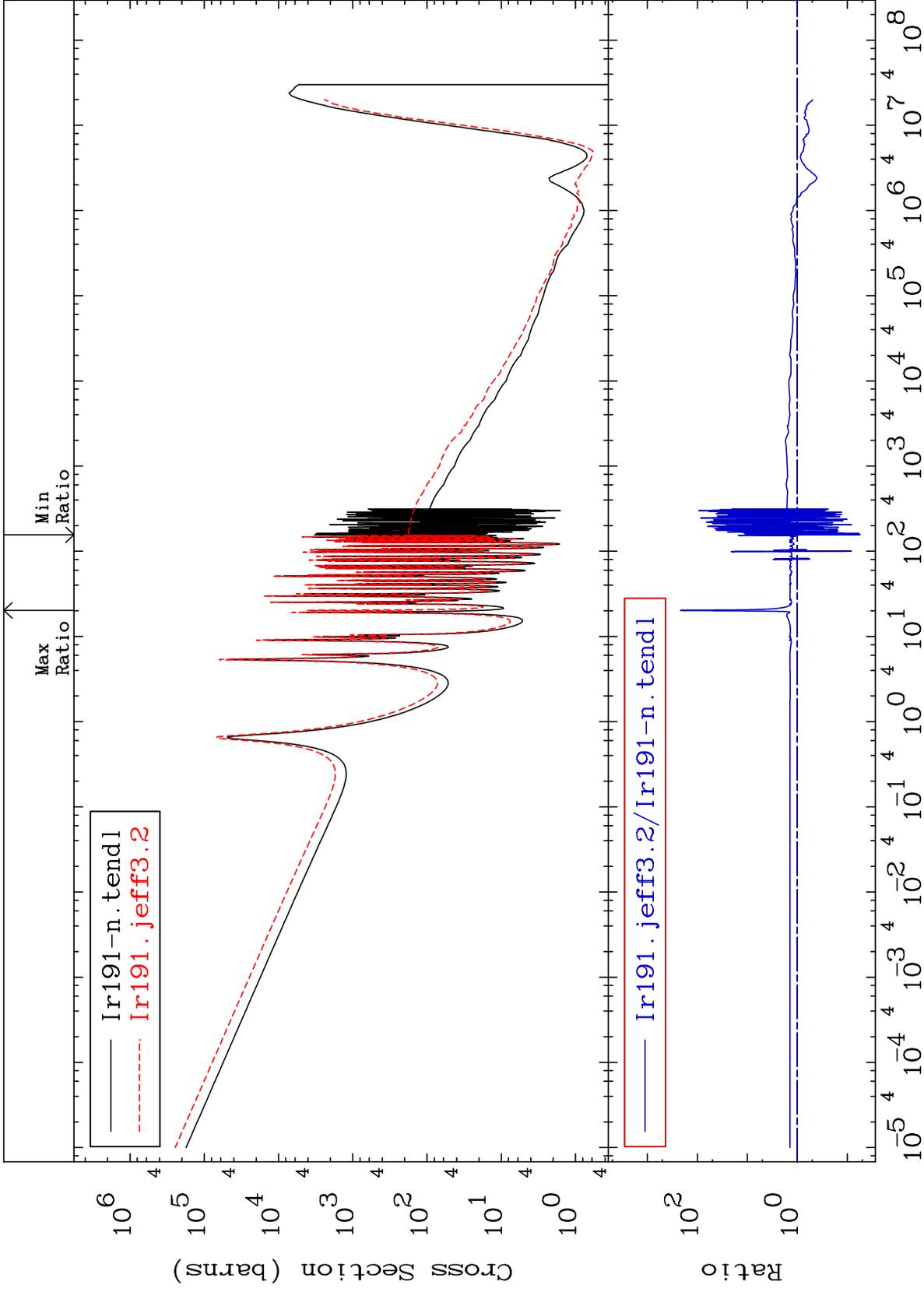
77-Ir-191  
-2.971 To 343.6 %

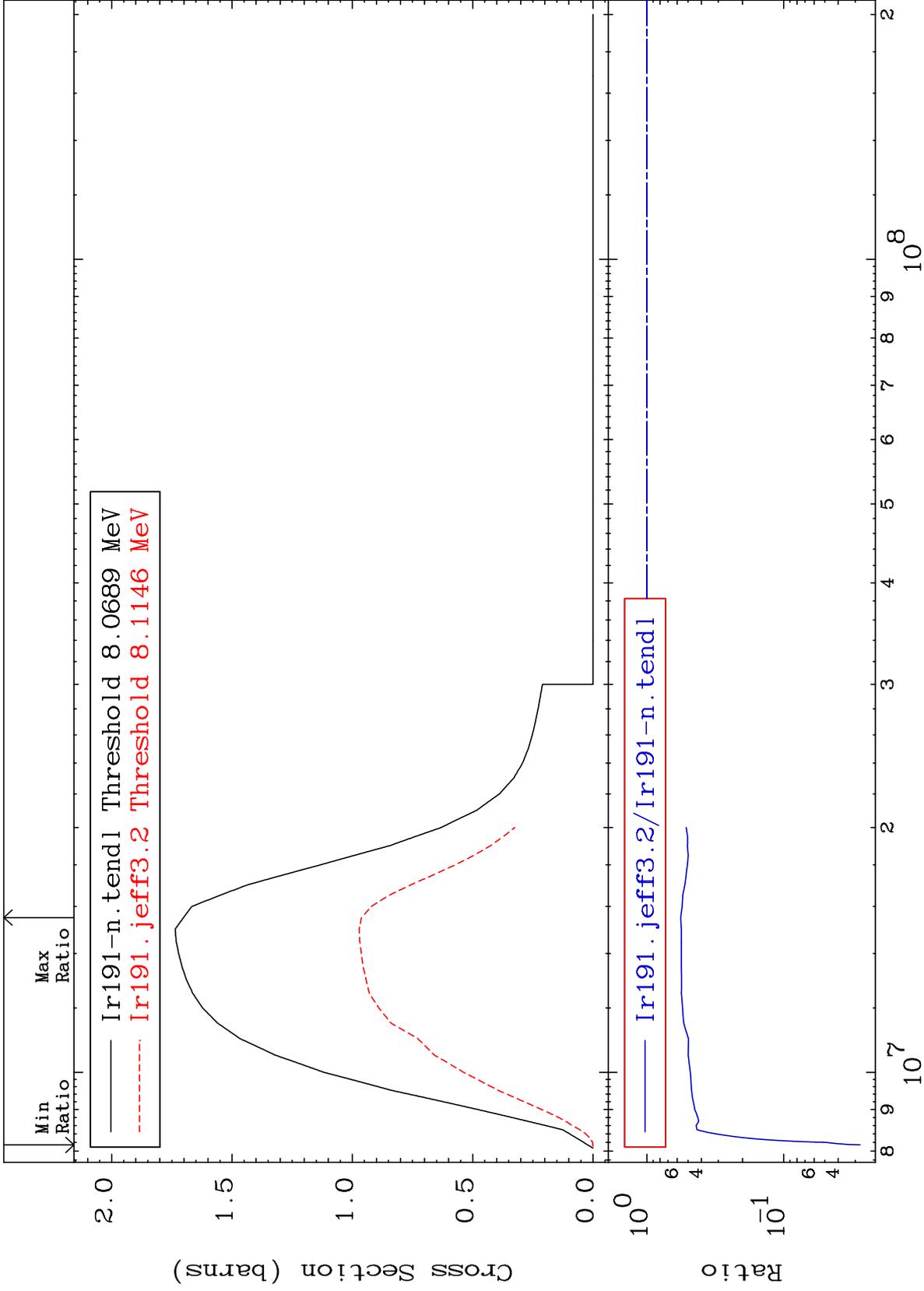


45

Incident Energy (eV)

77-Ir-191



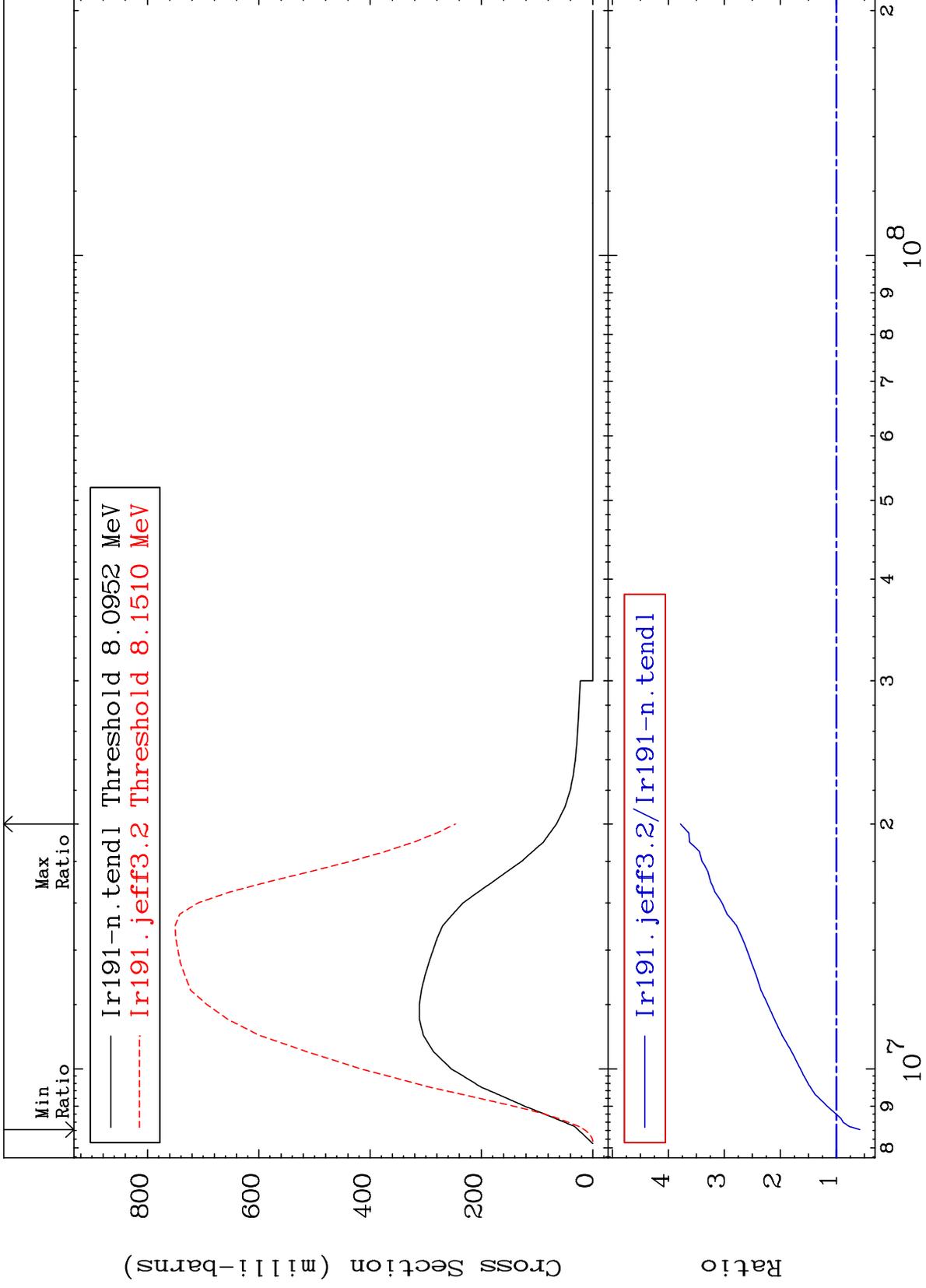


MAT 7725

(n,2n):77-Ir-190m2

77-Ir-191

Radionuclide Production Cross Section -41.96 To 278.4 %



48

Incident Energy (eV)

77-Ir-191