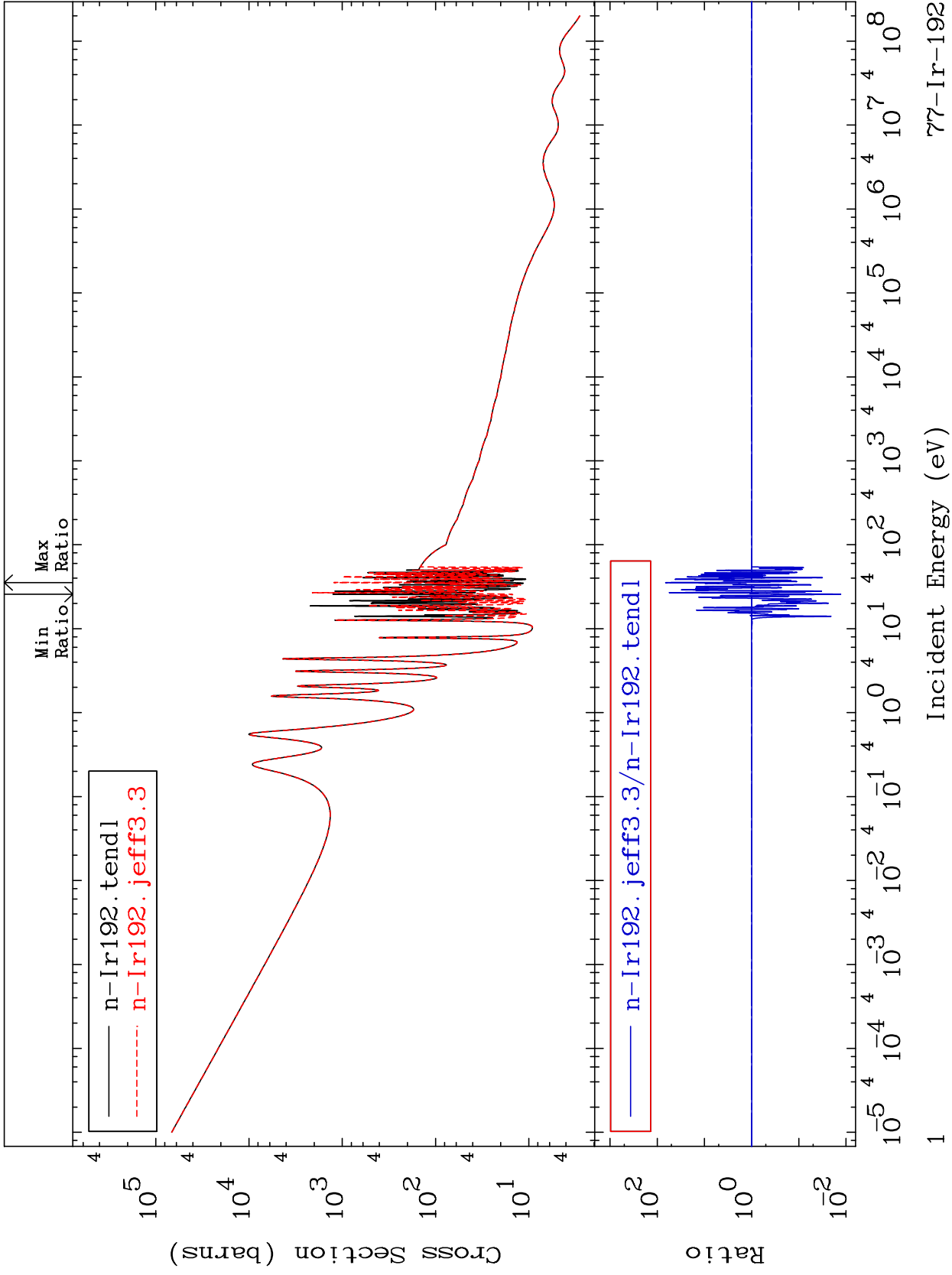


MAT 7728

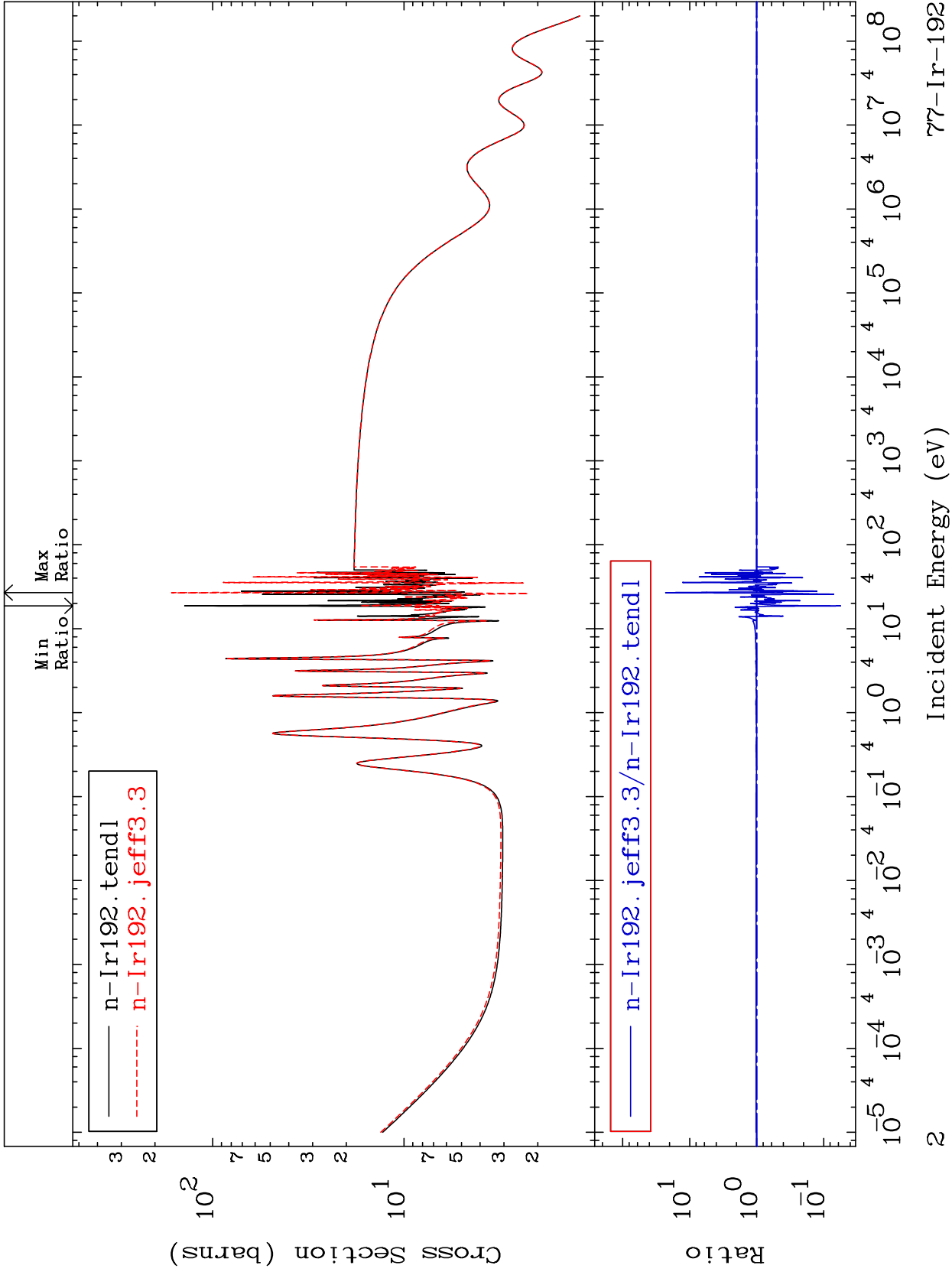
Total  
Cross Section

77-Ir-192  
-98.70 To 6587. %



MAT 7728

Elastic Cross Section  
77-Ir-192  
-94.43 To 2191. %



77-Ir-192

Incident Energy (eV)

2

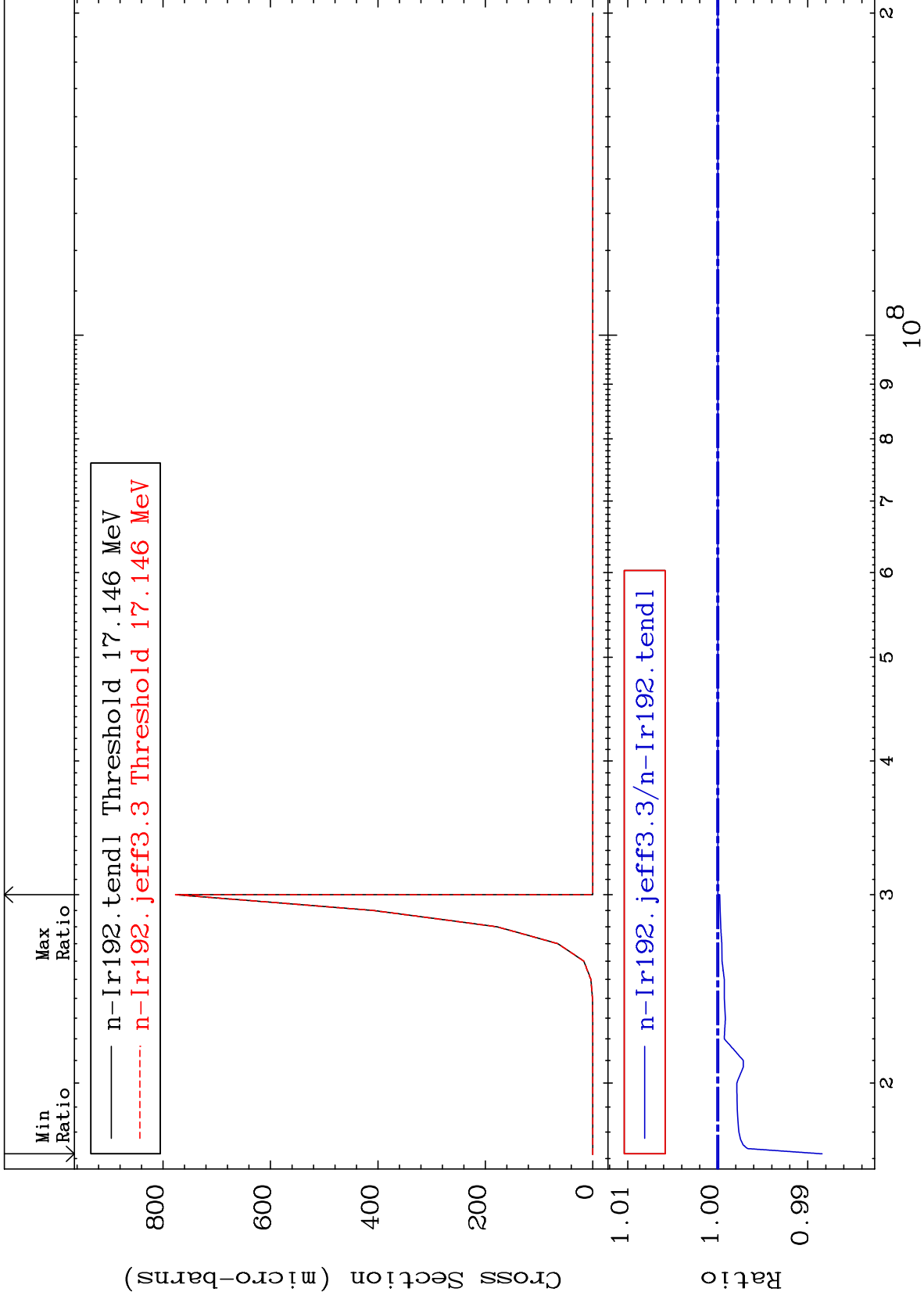
MAT 7728

(n,2n) d

<sup>77</sup>Ir-192

Cross Section

-1.158 To 0.000 %



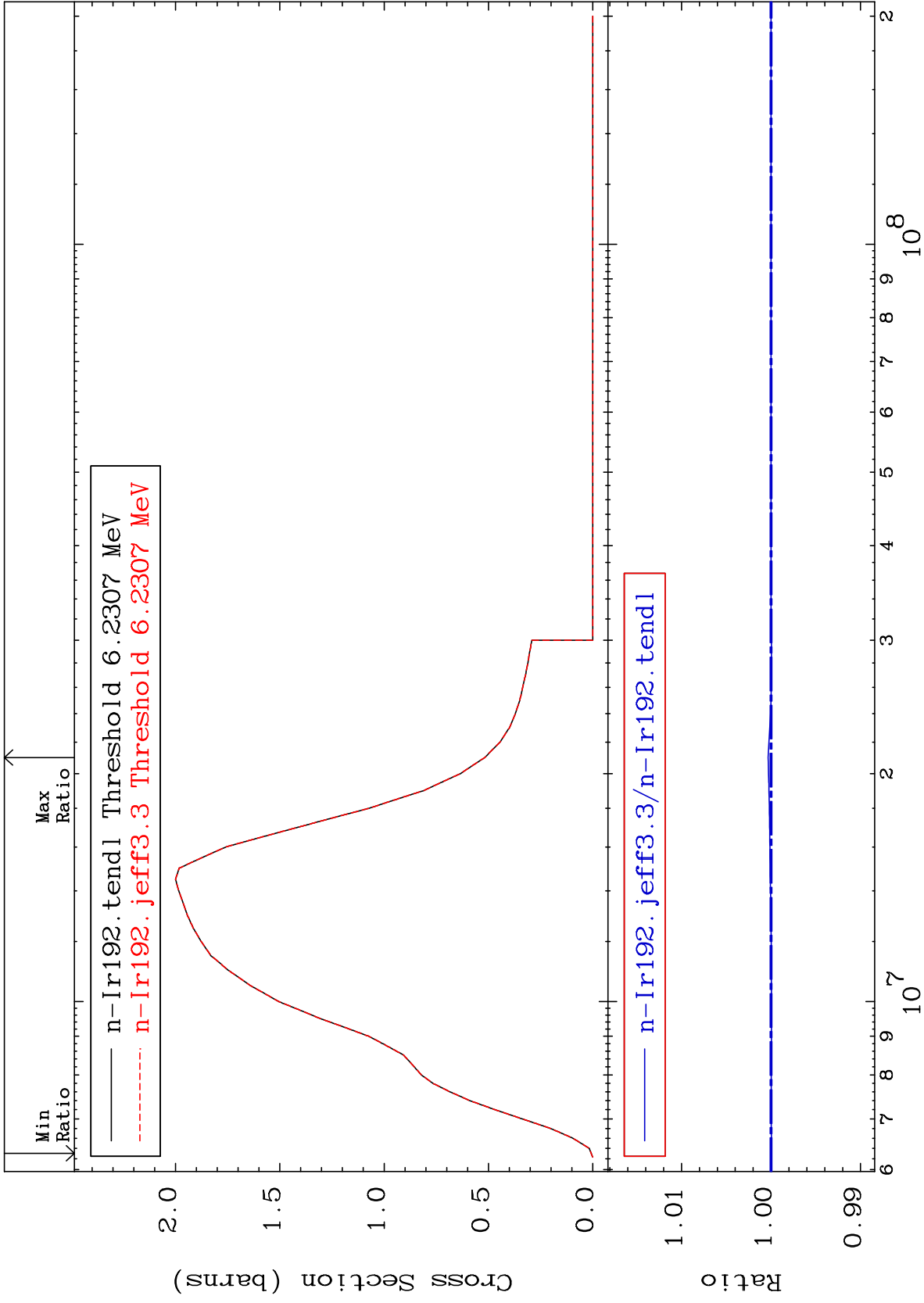
MAT 7728

(n,2n)

77-Ir-192

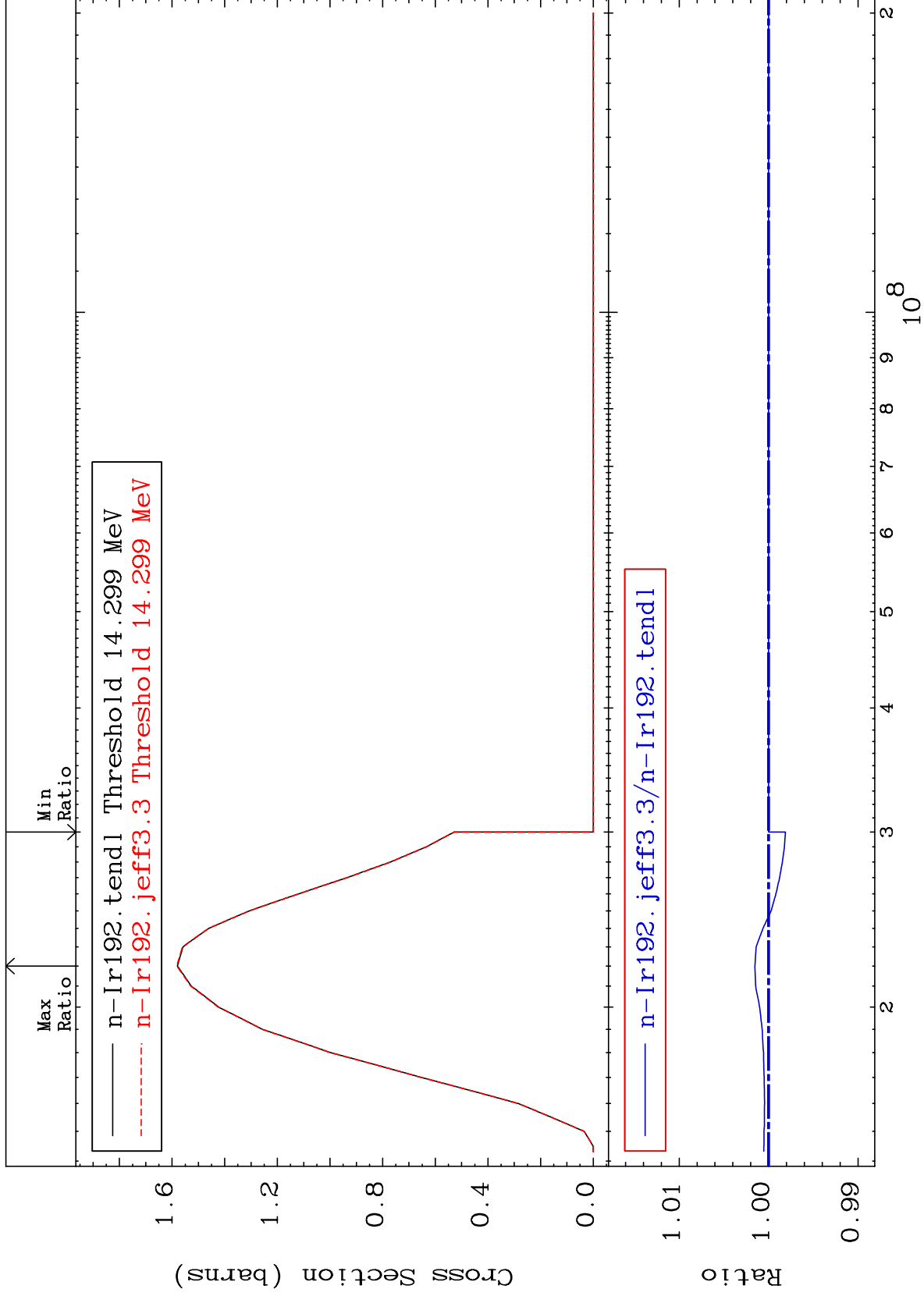
Cross Section

-0.007 To 0.032 %



Cross Section

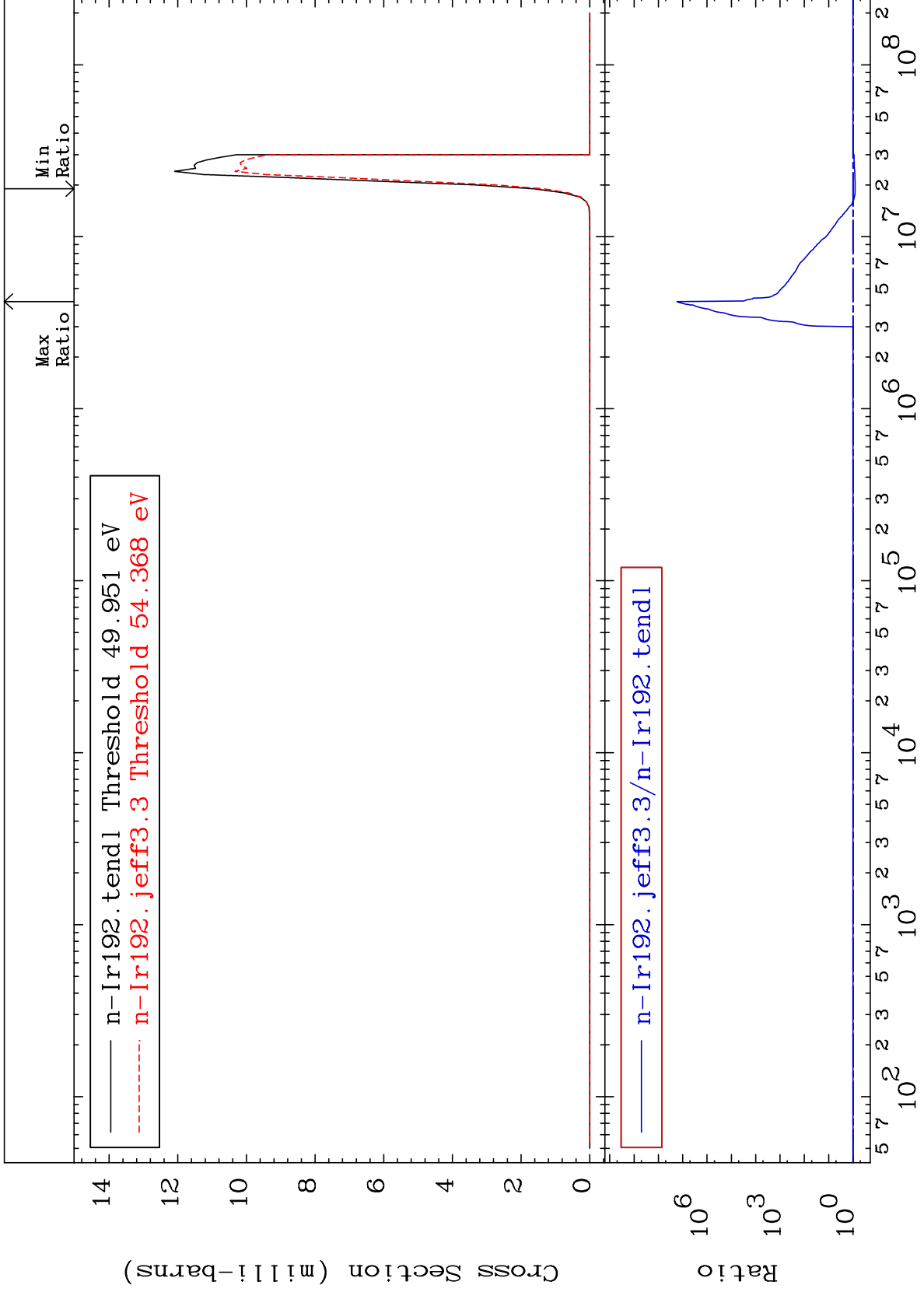
-0.188 To 0.153 %



MAT 7728

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

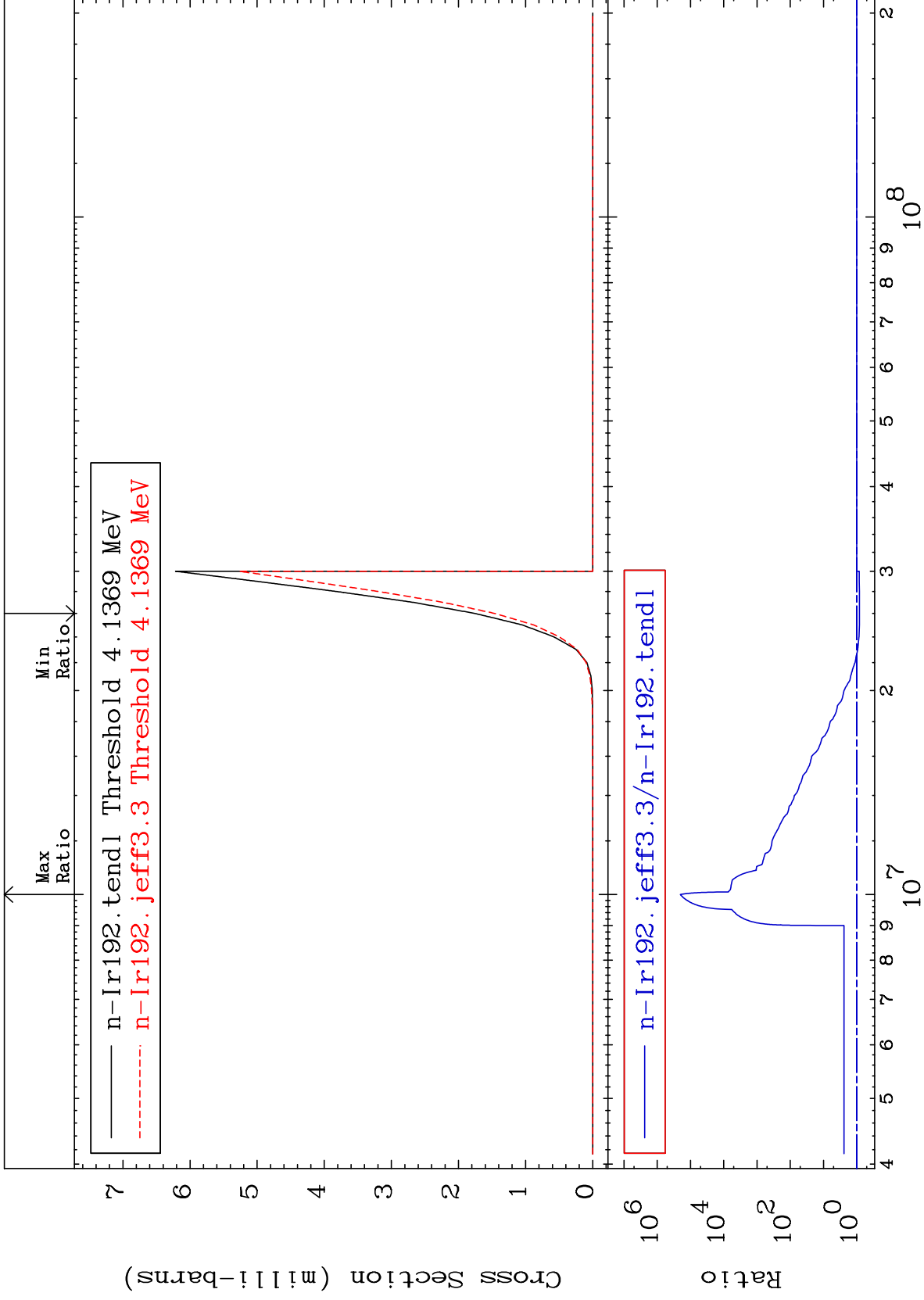
77-Ir-192  
-18.16 To 9999. %



MAT 7728

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

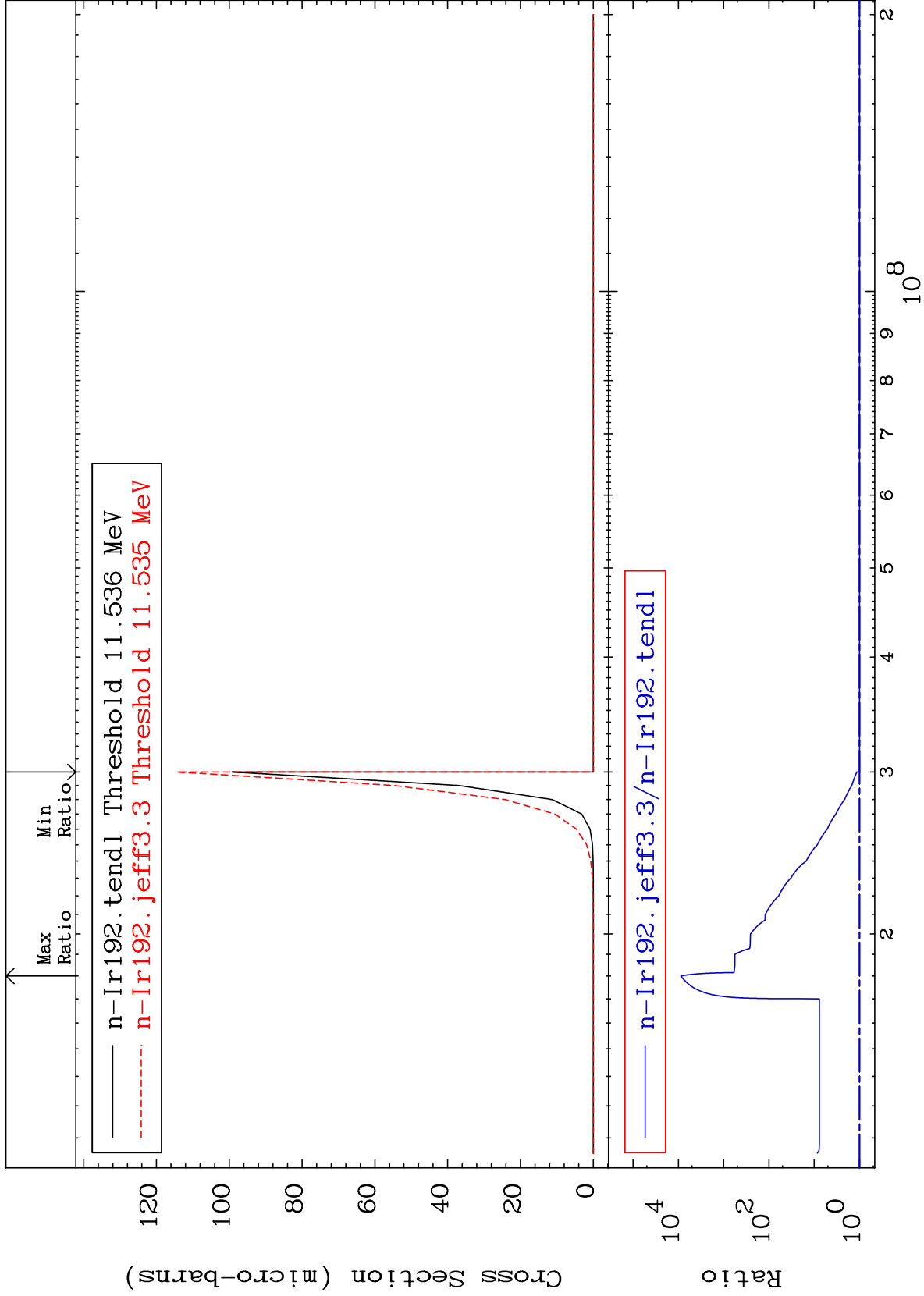
<sup>77</sup>Ir-192  
-16.83 To 9999. %



MAT 7728

(n,3n)  $\alpha$   
Cross Section

77-Ir-192  
To 9999. %  
0.000

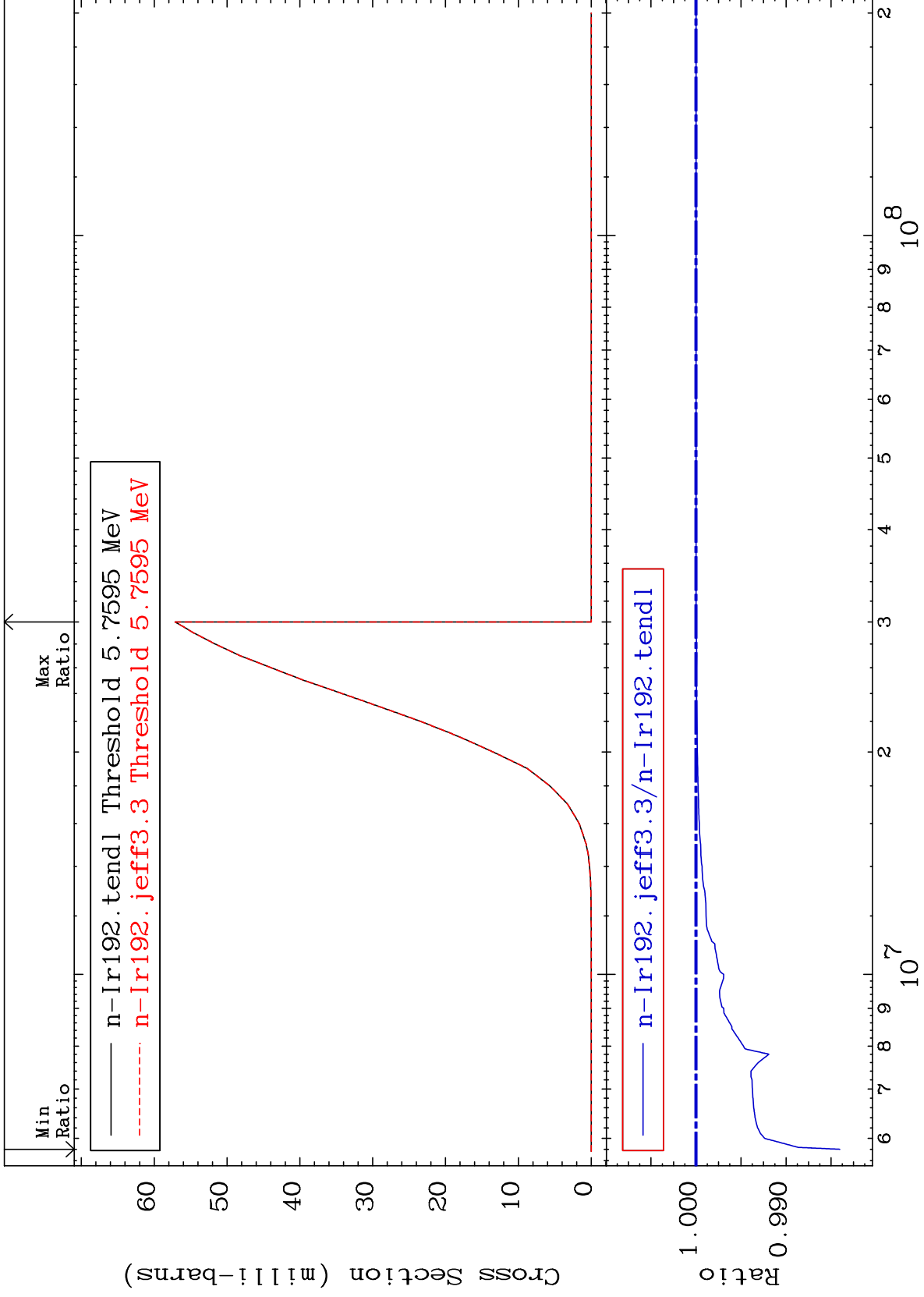




MAT 7728

(n, n') p  
Cross Section

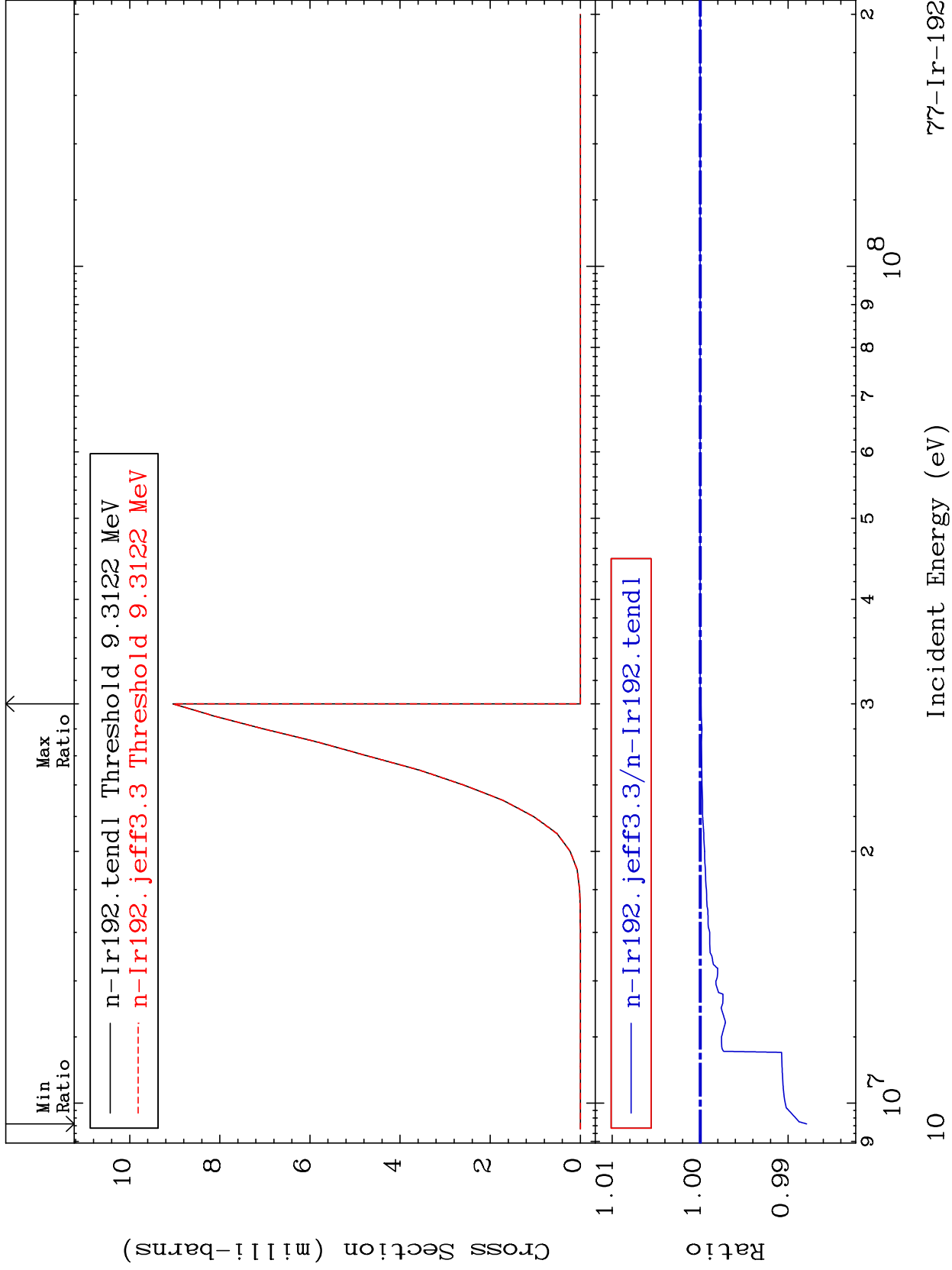
<sup>77</sup>Ir-<sup>192</sup>  
-1.598 To 0.000 %



MAT 7728

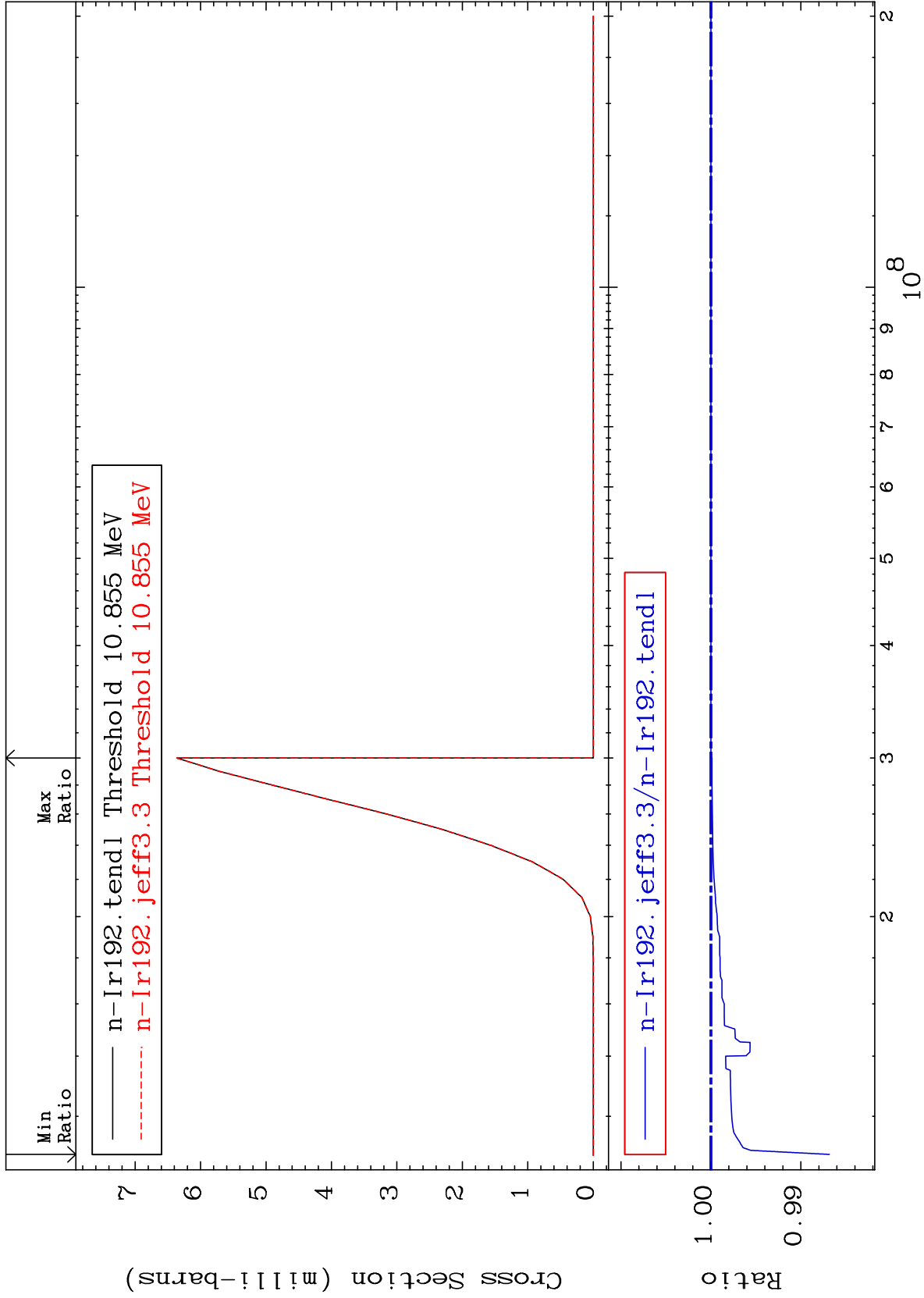
(n,n') d  
Cross Section

77-Ir-192  
-1.210 To 0.000 %



Cross Section

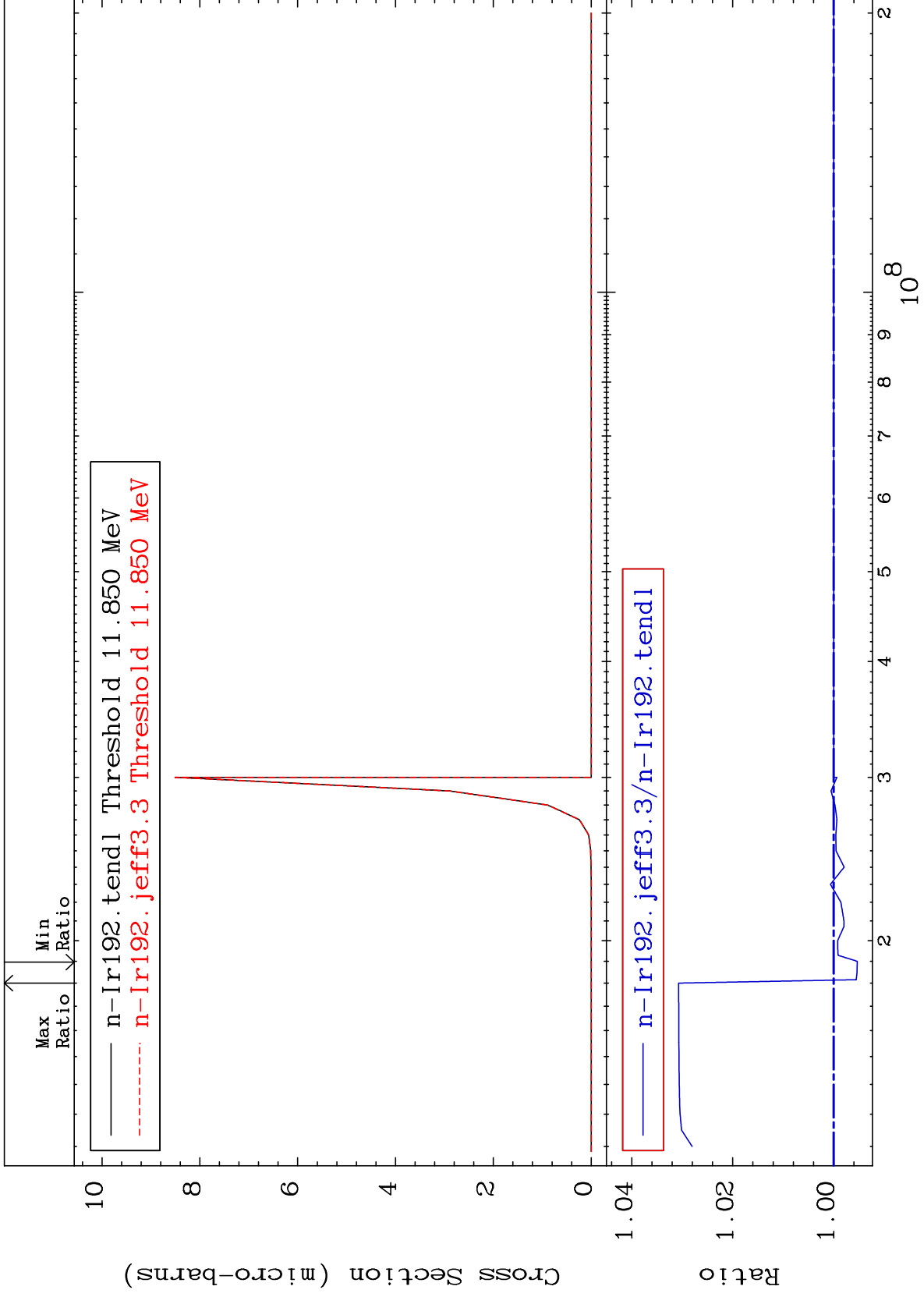
-1.317 To 0.000 %



MAT 7728

(n, n') He-3  
Cross Section

77-Ir-192  
-0.467 To 3.072 %



MAT 7728

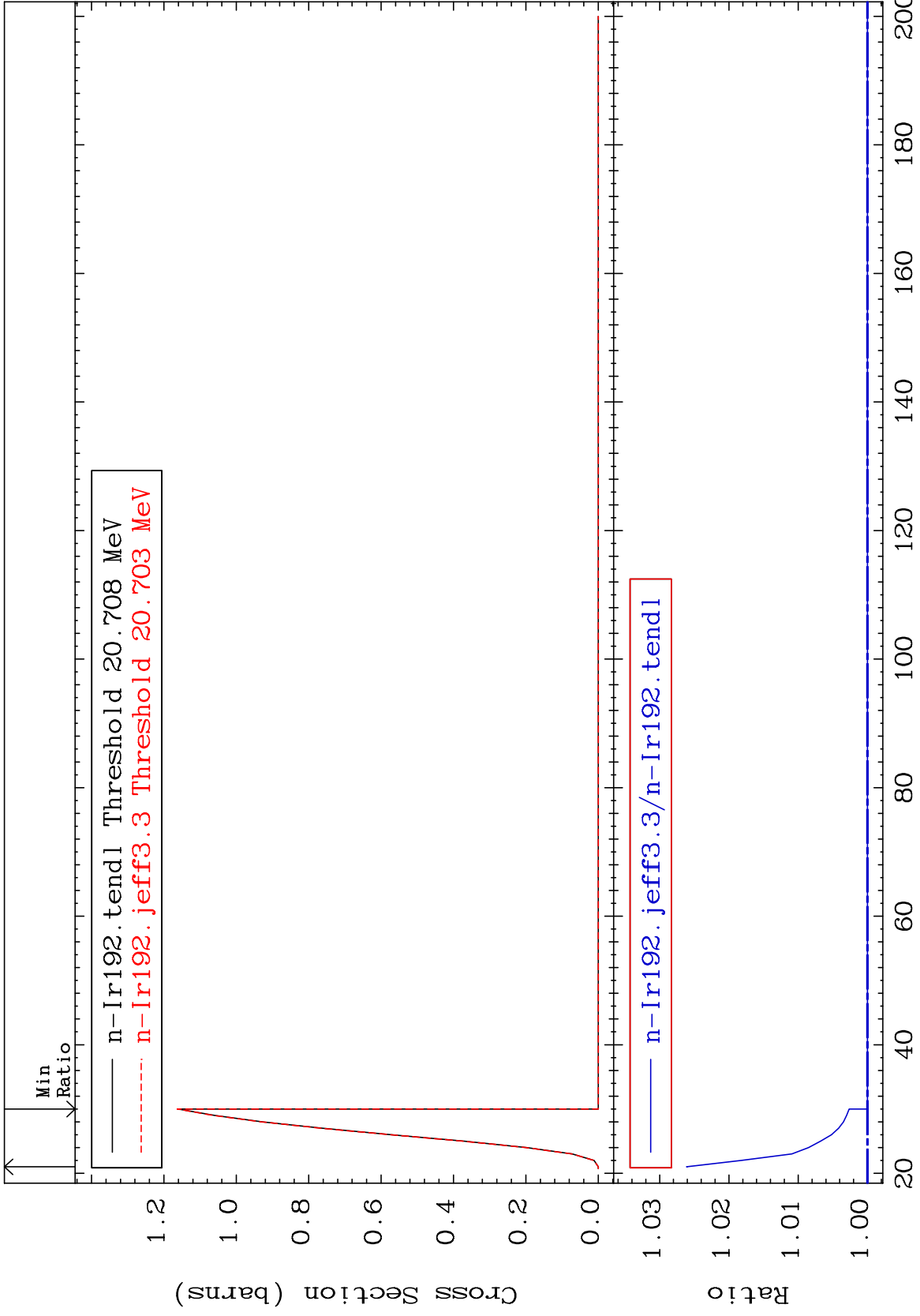
(n,4n)

<sup>77</sup>Ir-192

Cross Section

0.000

To 2.609 %



Incident Energy (MeV)

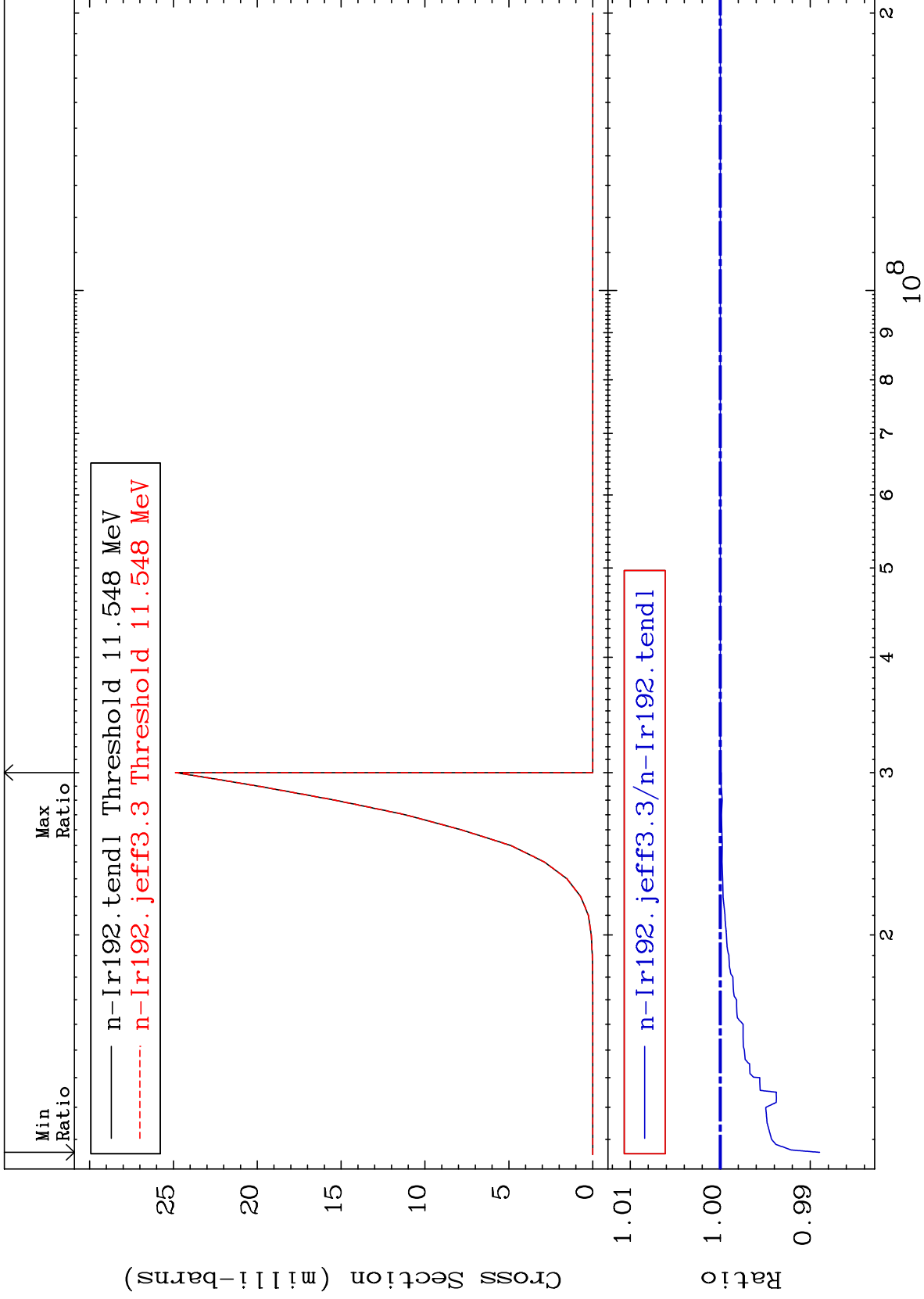
<sup>77</sup>Ir-192

13

MAT 7728

(n,2n) p  
Cross Section

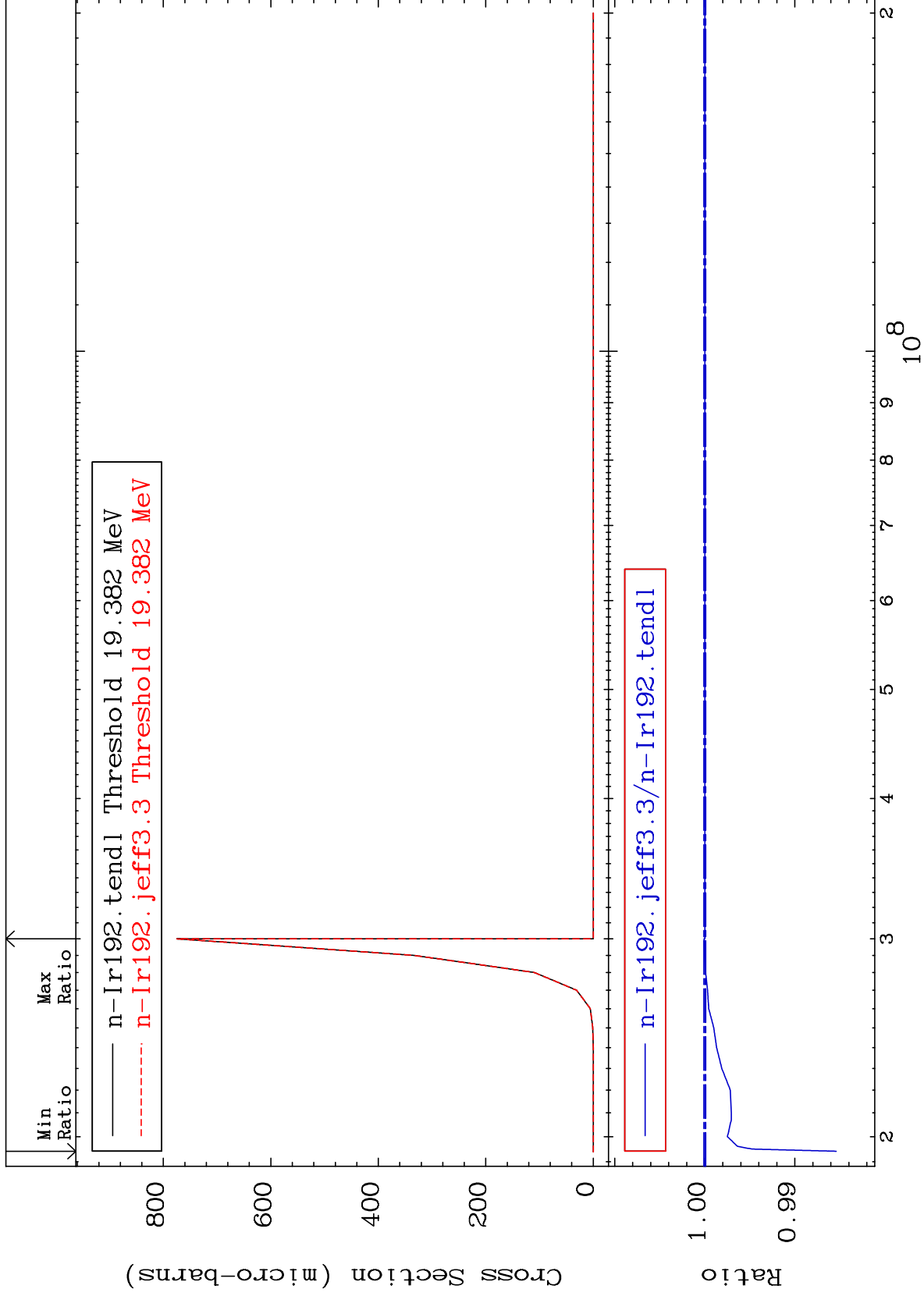
77-Ir-192  
-1.102 To 0.000 %

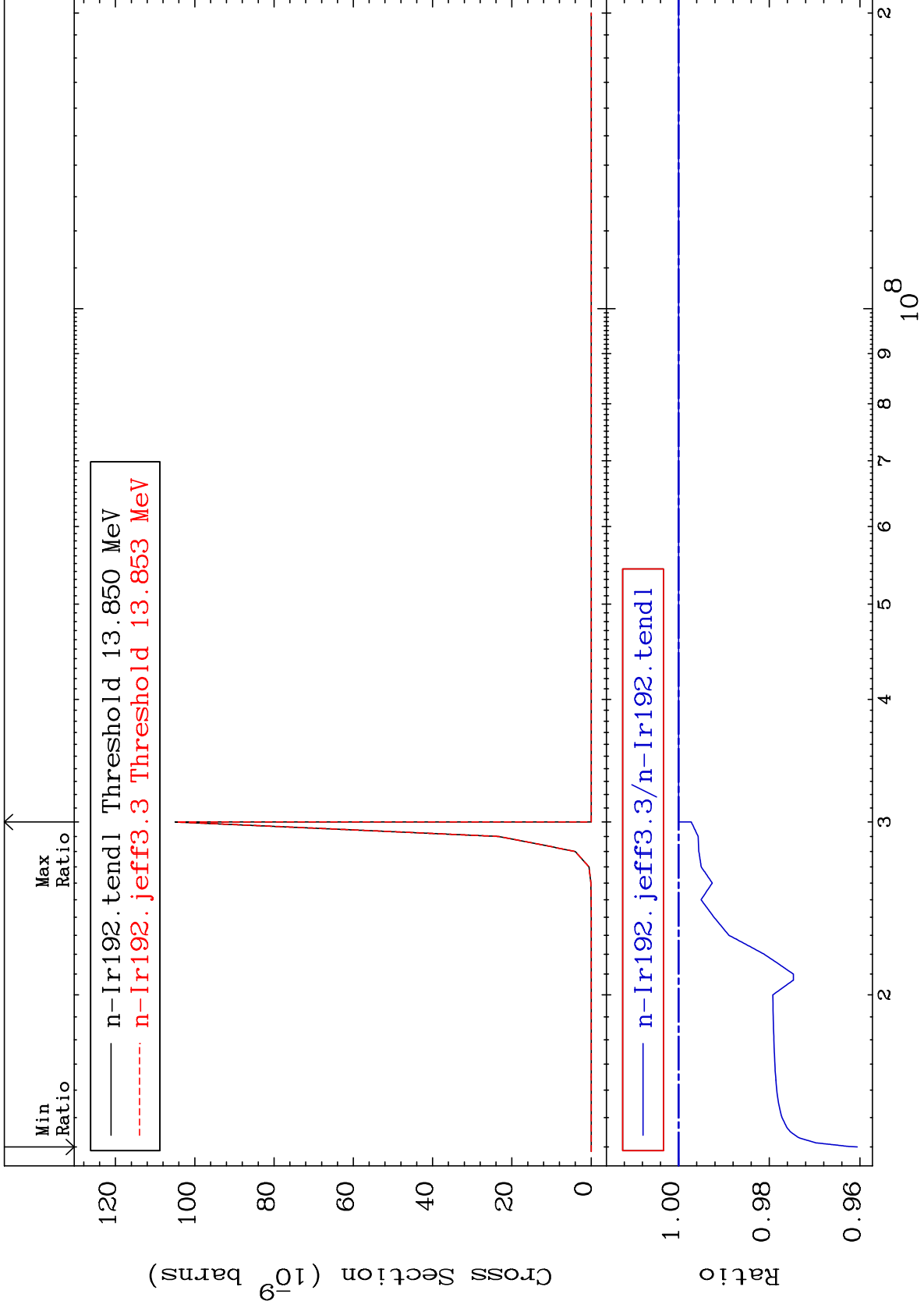


MAT 7728

(n,3n) p  
Cross Section

<sup>77</sup>Ir-192  
-1.459 To 0.007 %



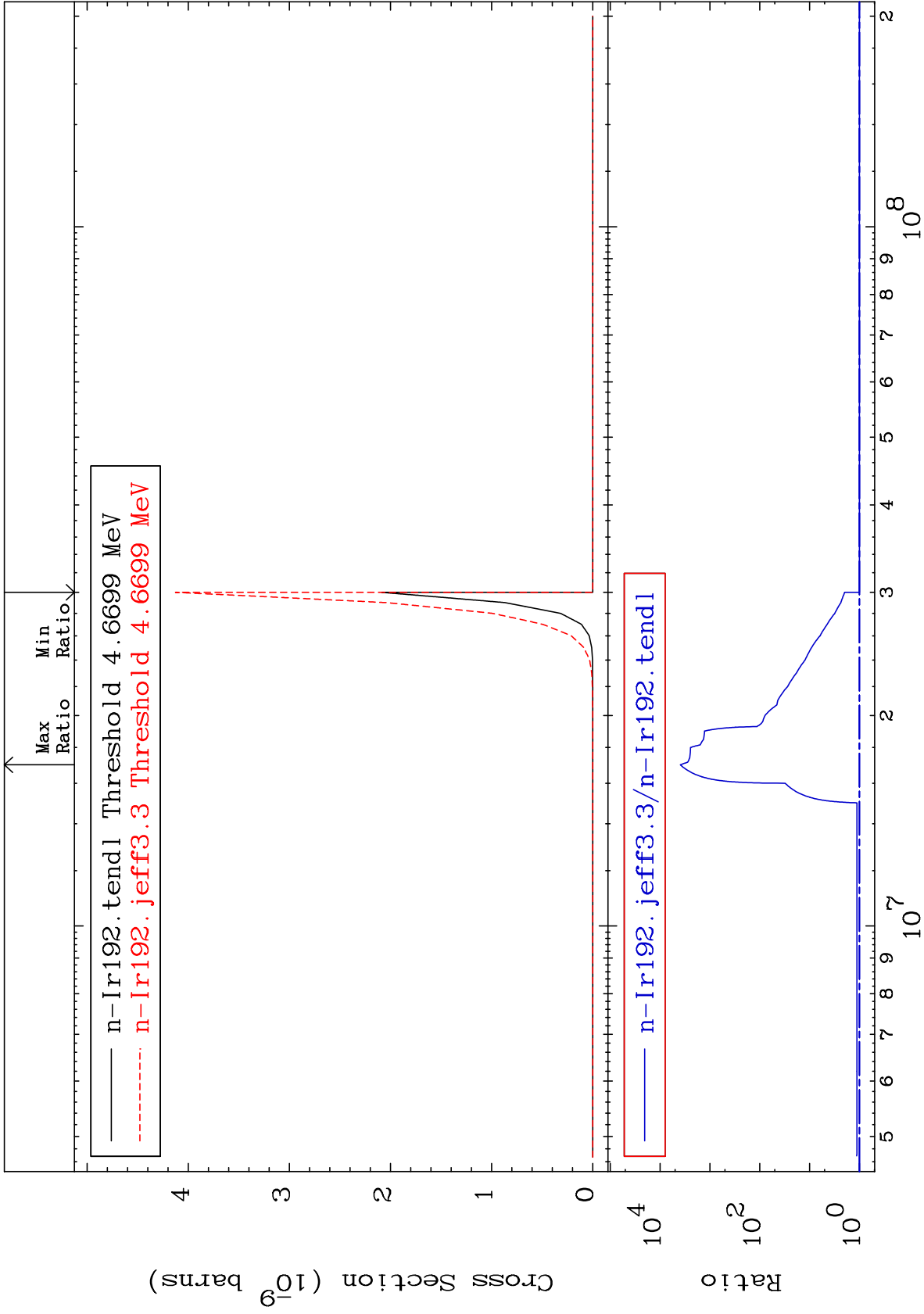




MAT 7728

(n,n') p α  
Cross Section

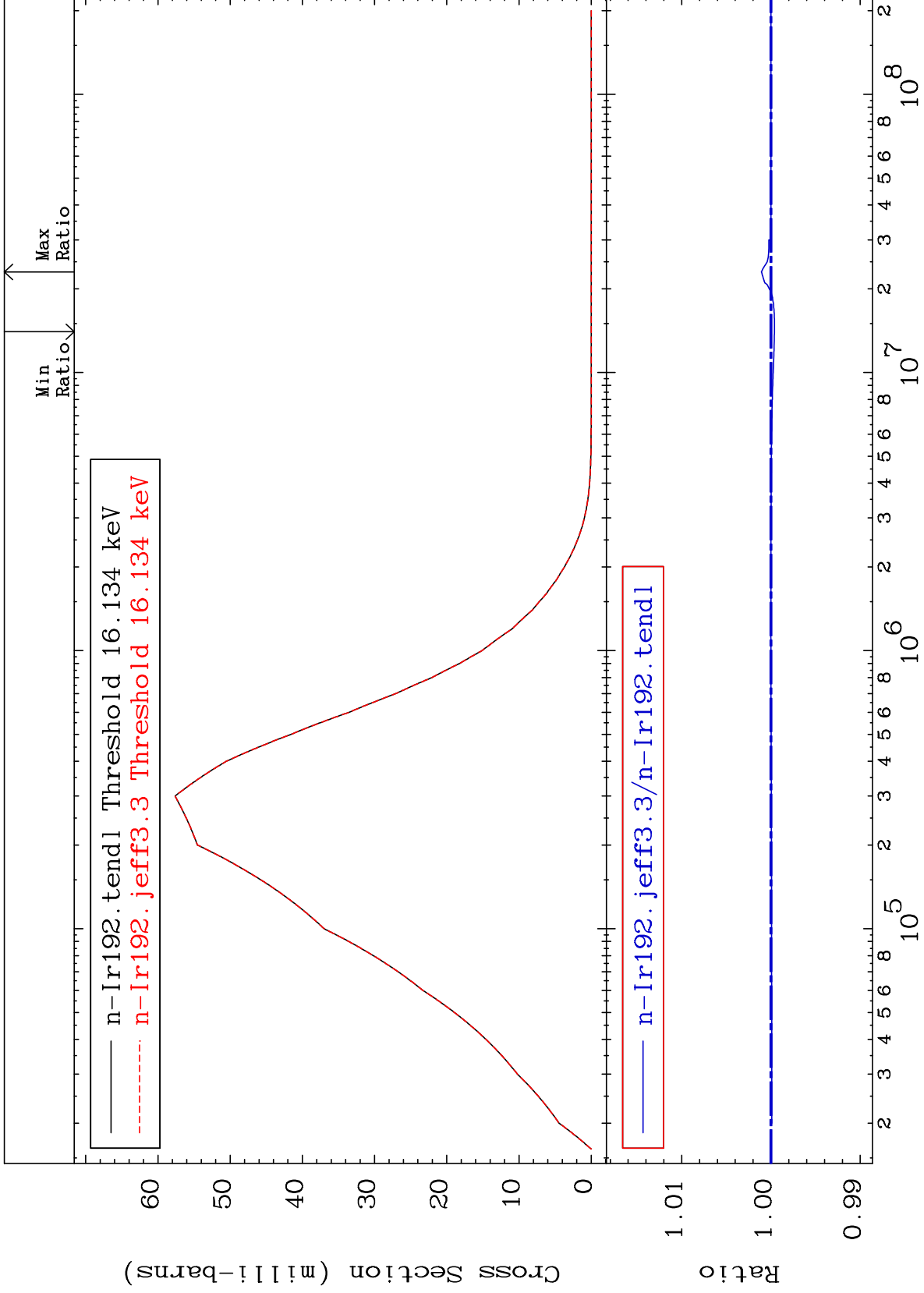
77-Ir-192  
To 9999. %  
0.000



MAT 7728

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

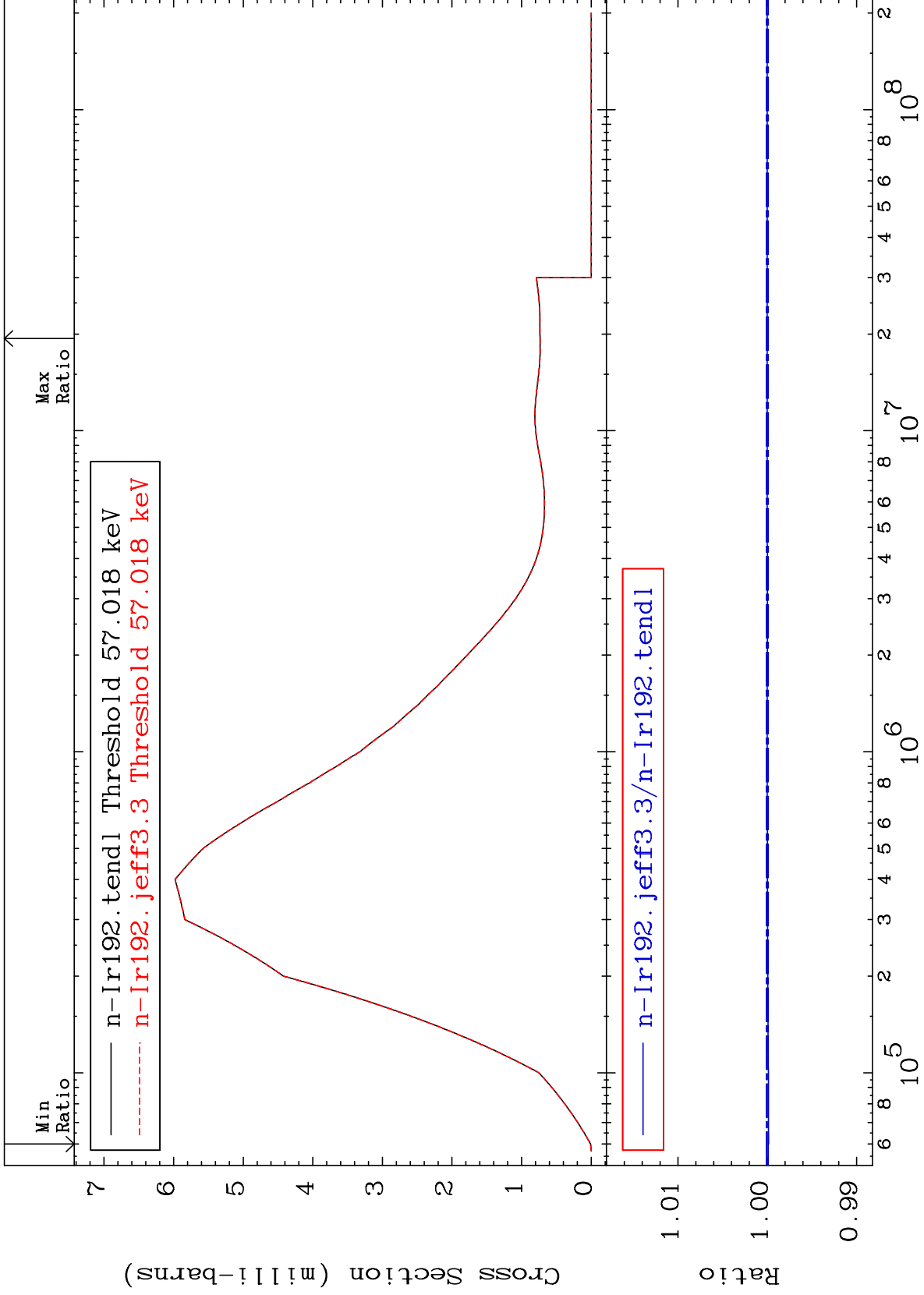
77-Ir-192  
-0.039 To 0.107 %



MAT 7728

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

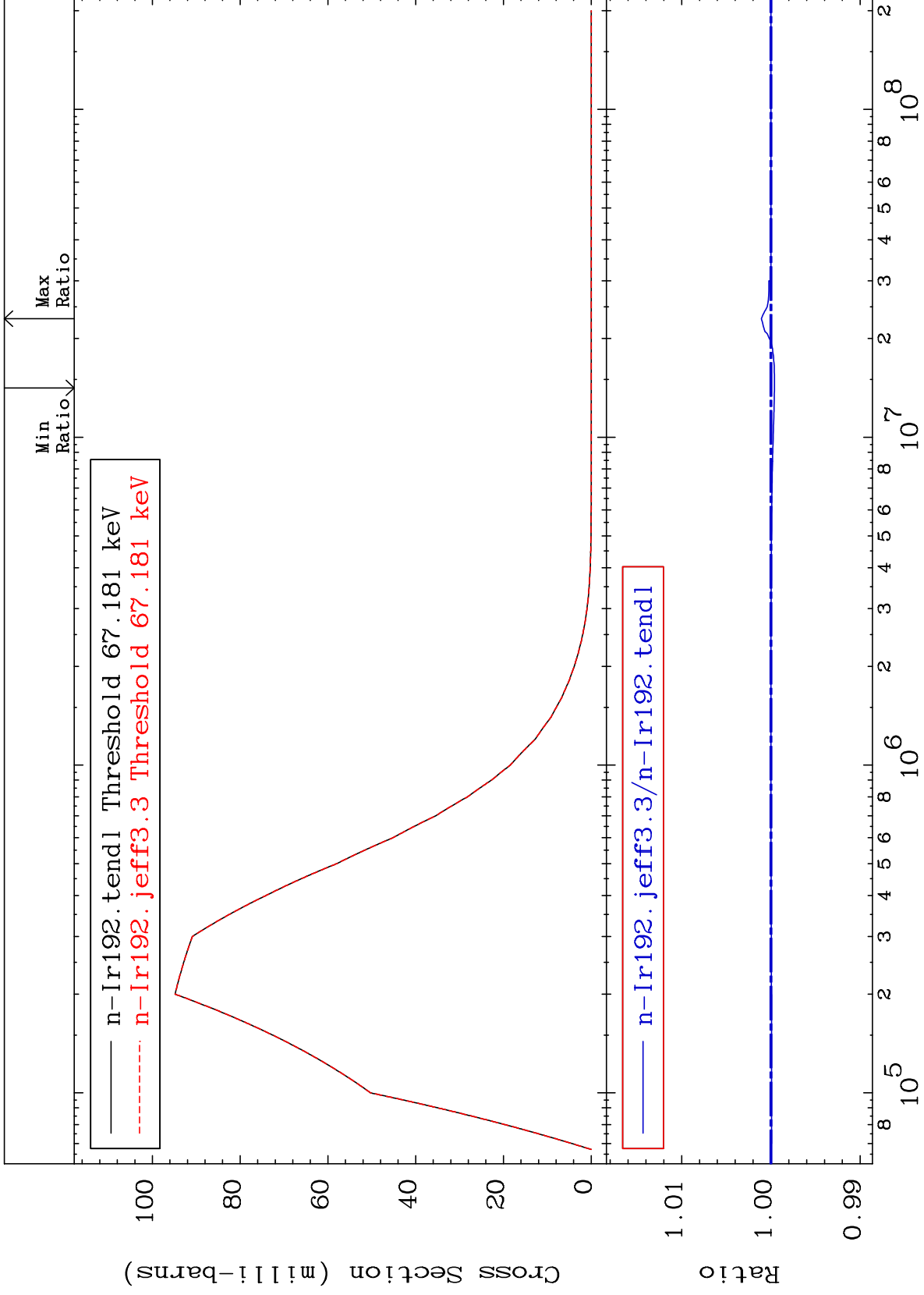
77-Ir-192  
-0.016 To 0.000 %



MAT 7728

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

77-Ir-192  
-0.040 To 0.106 %



20

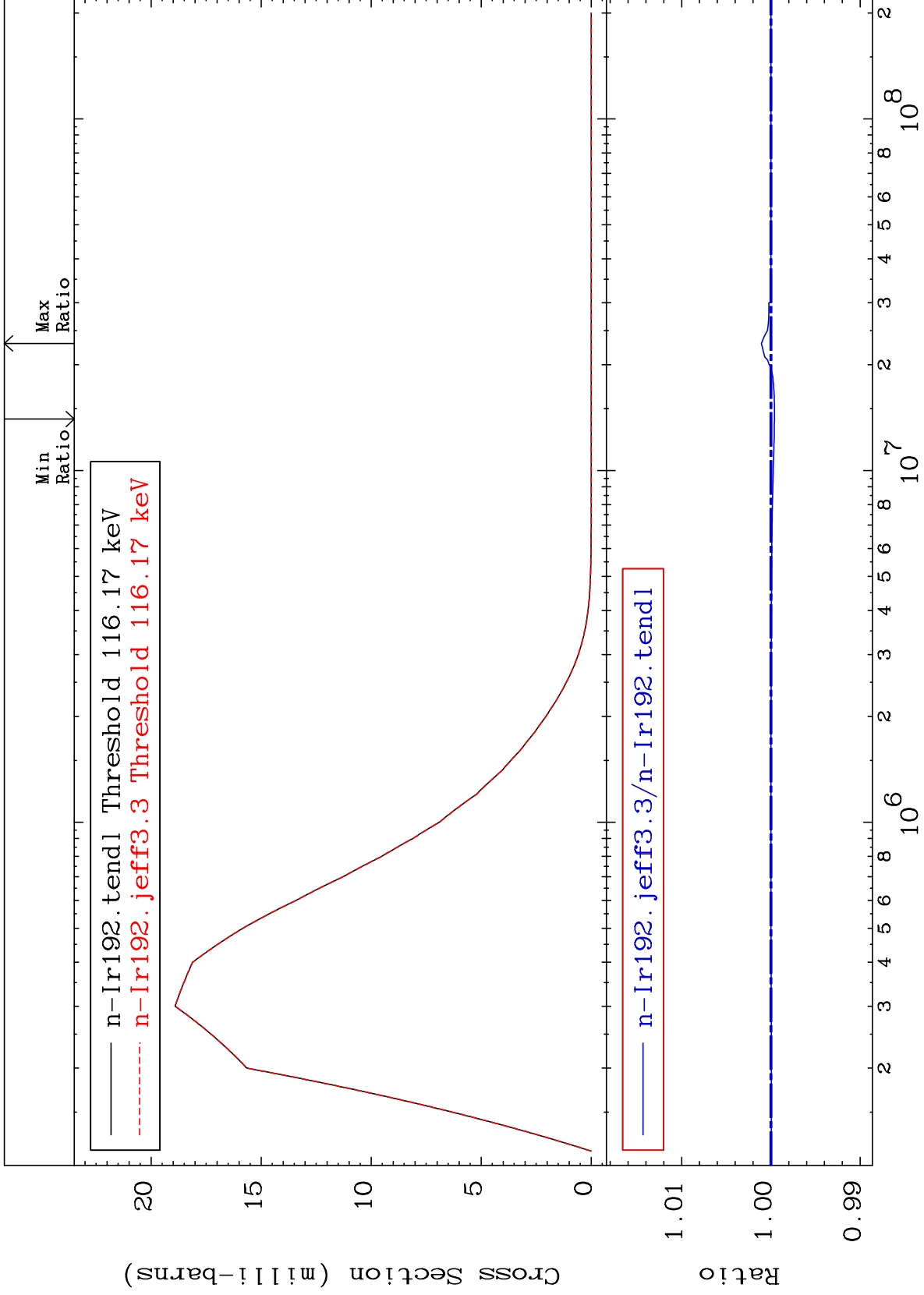
Incident Energy (eV)

77-Ir-192

MAT 7728

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

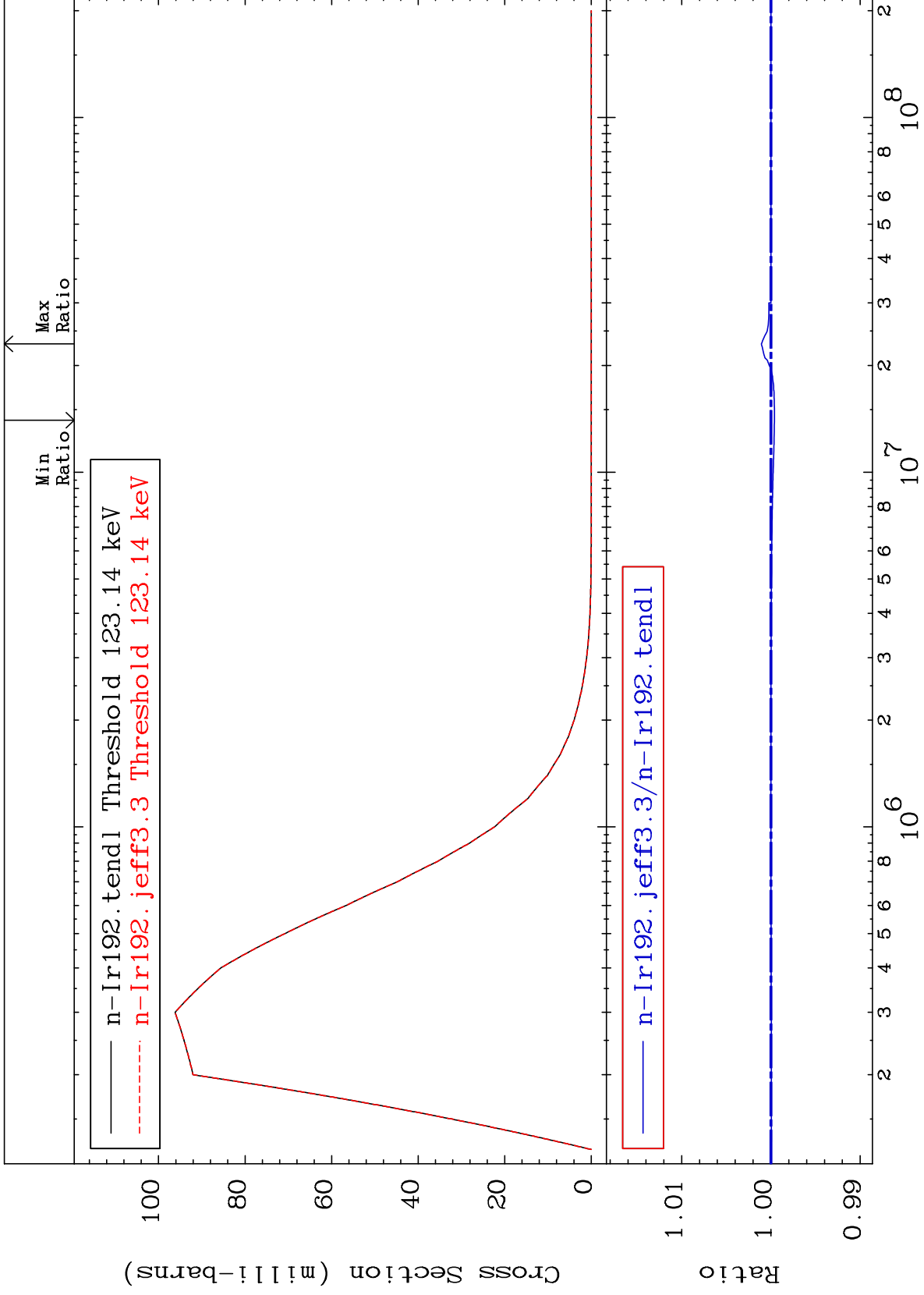
77-Ir-192  
-0.040 To 0.106 %



MAT 7728

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

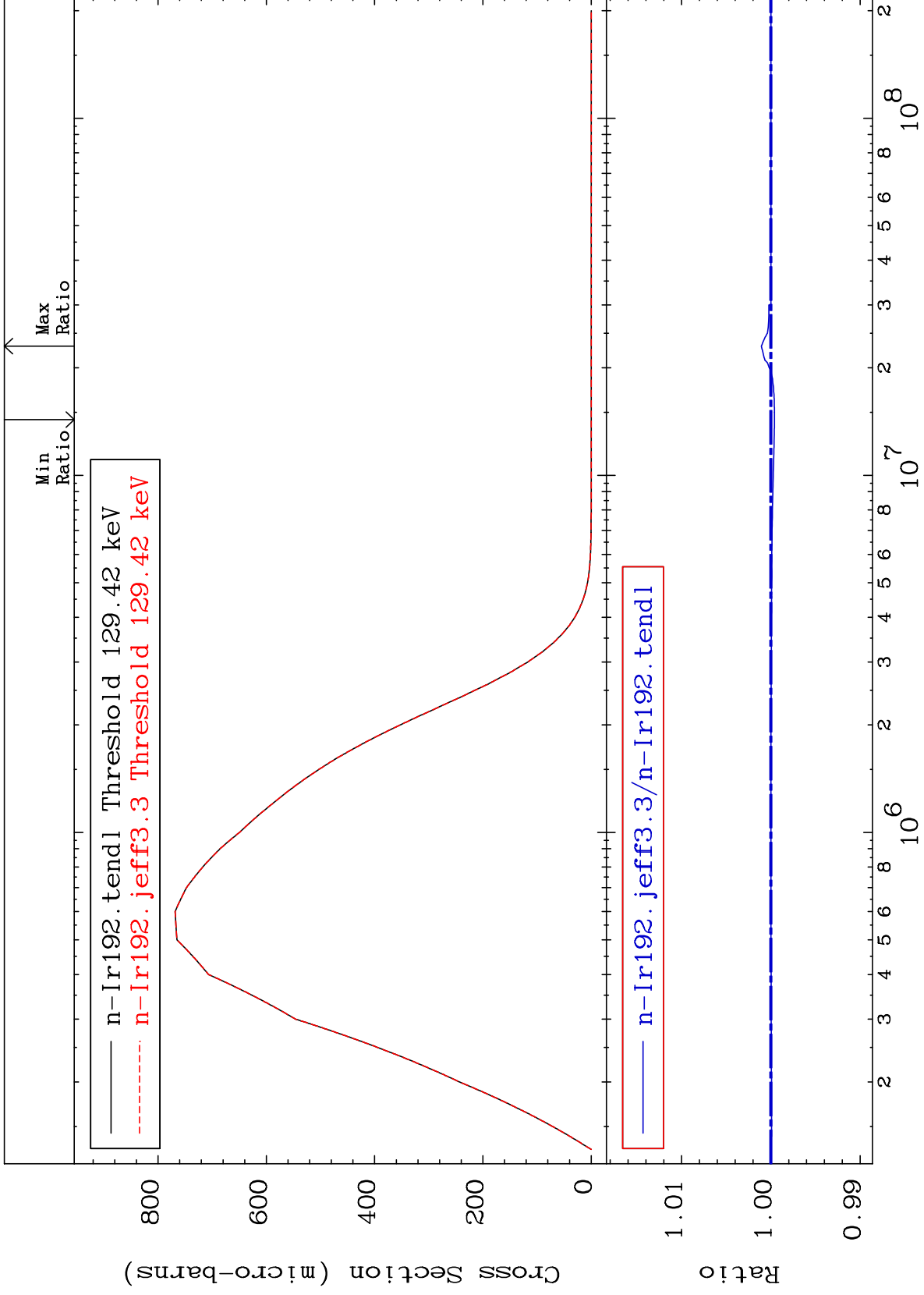
77-Ir-192  
-0.040 To 0.107 %



MAT 7728

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

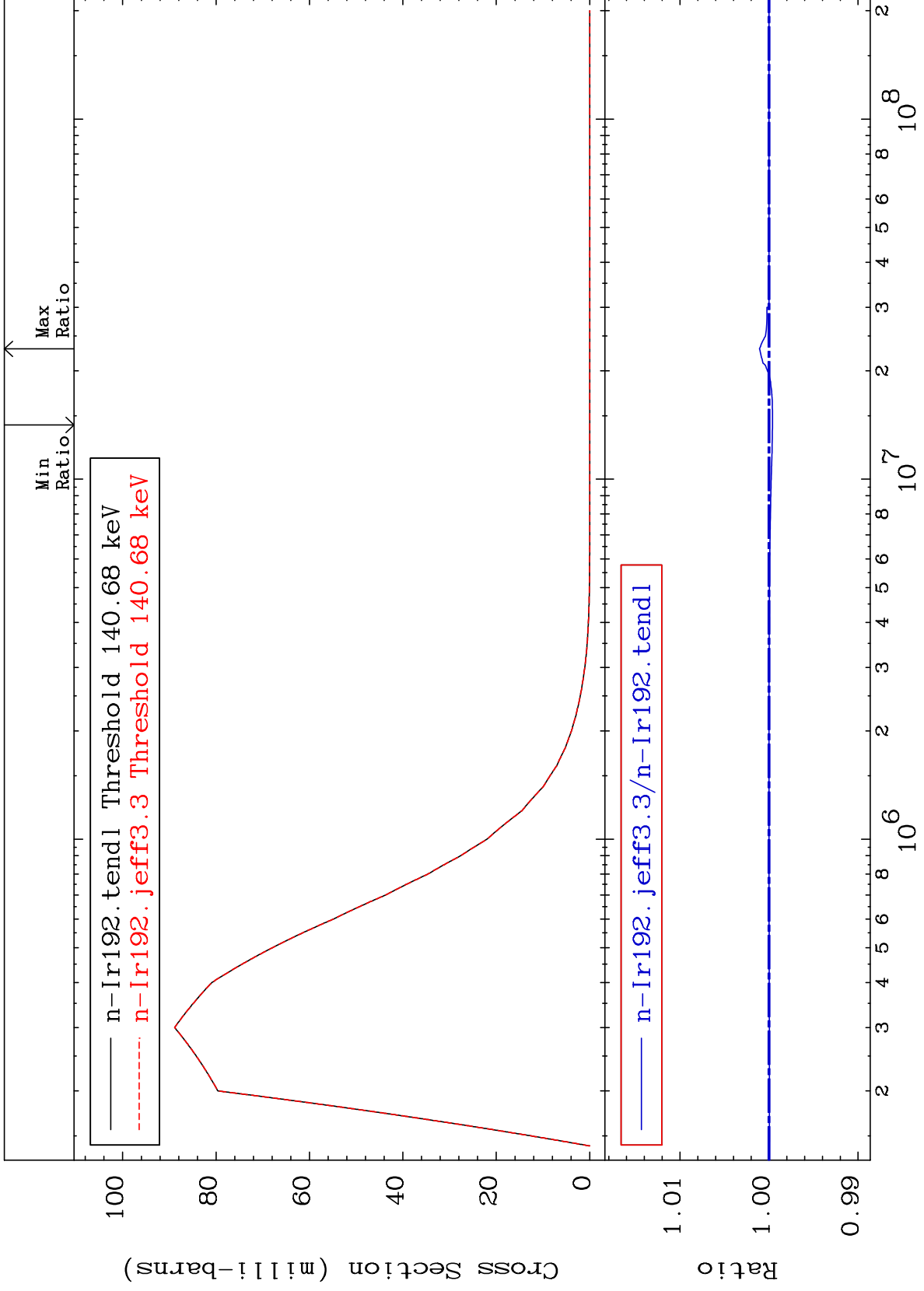
77-Ir-192  
-0.040 To 0.106 %



MAT 7728

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

77-Ir-192  
-0.039 To 0.107 %

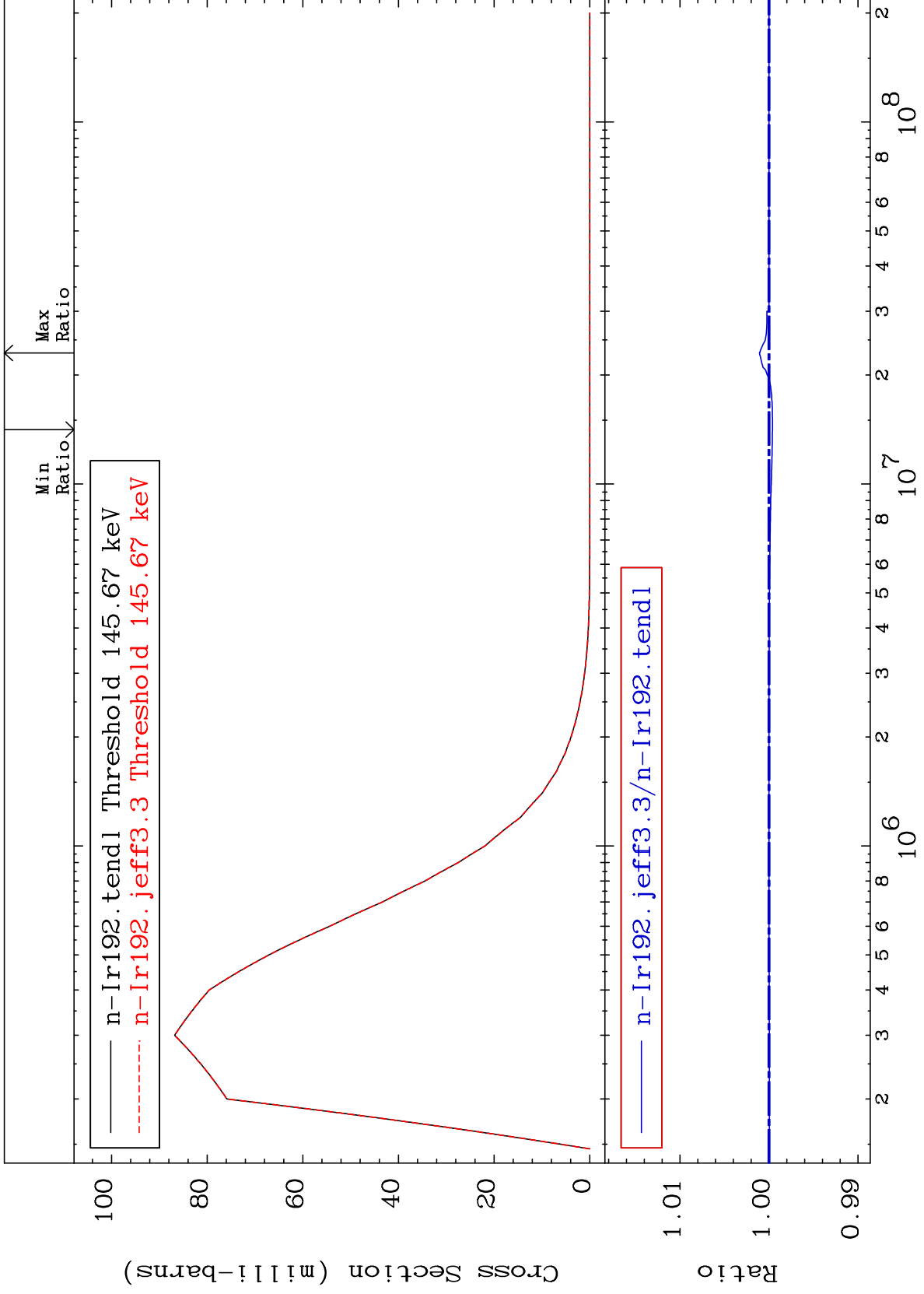




MAT 7728

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

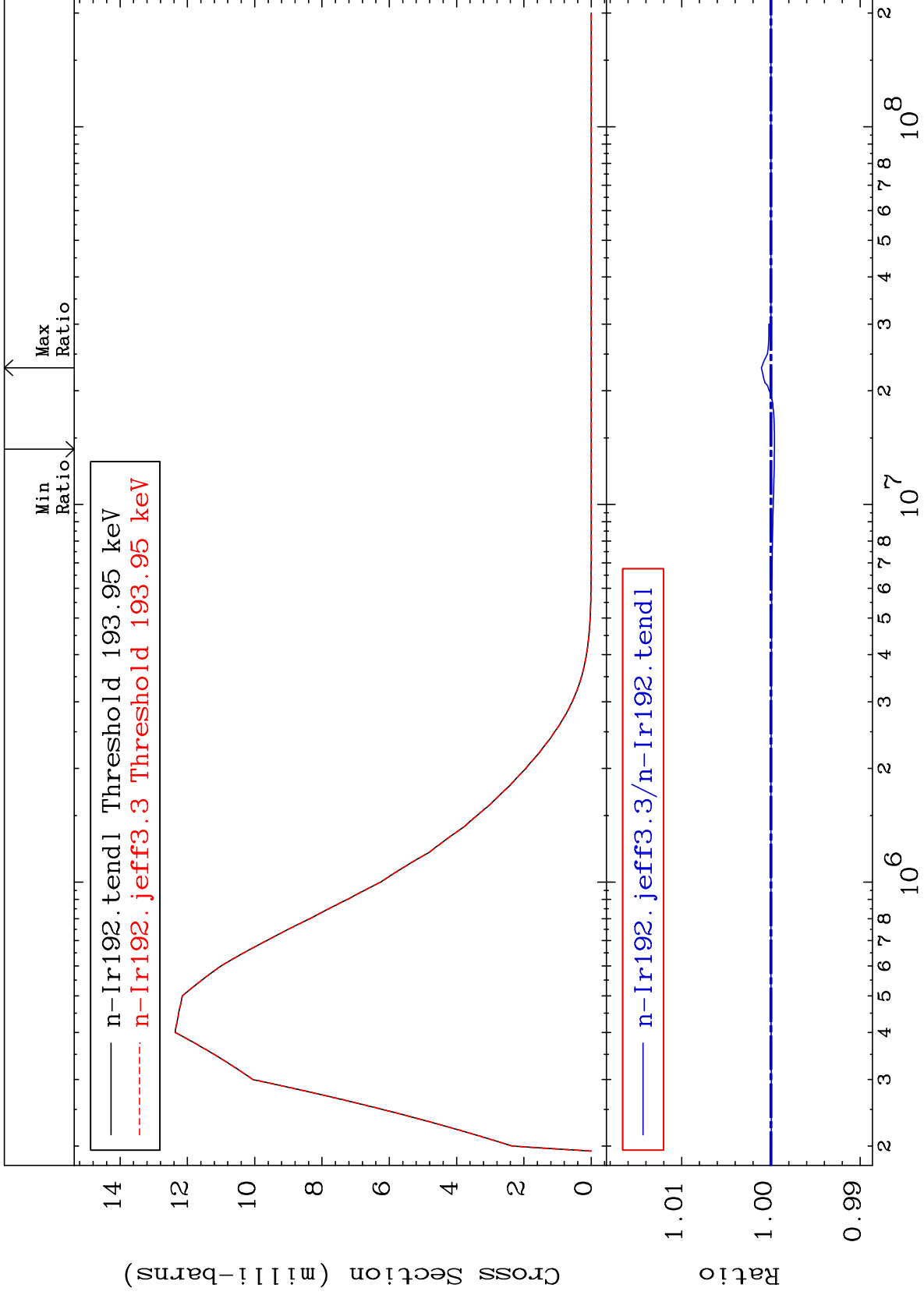
77-Ir-192  
-0.040 To 0.107 %



MAT 7728

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

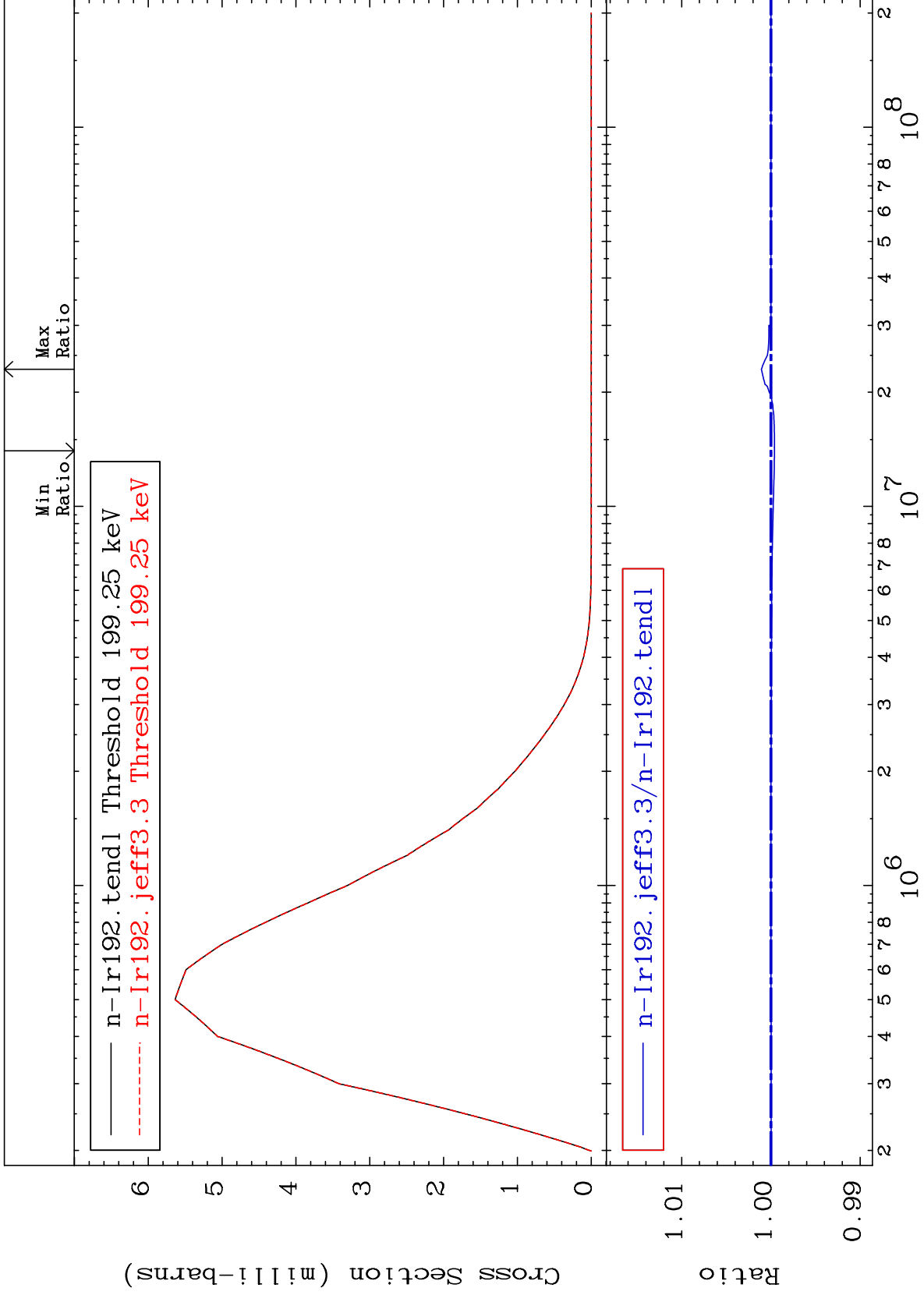
77-Ir-192  
-0.040 To 0.106 %



MAT 7728

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

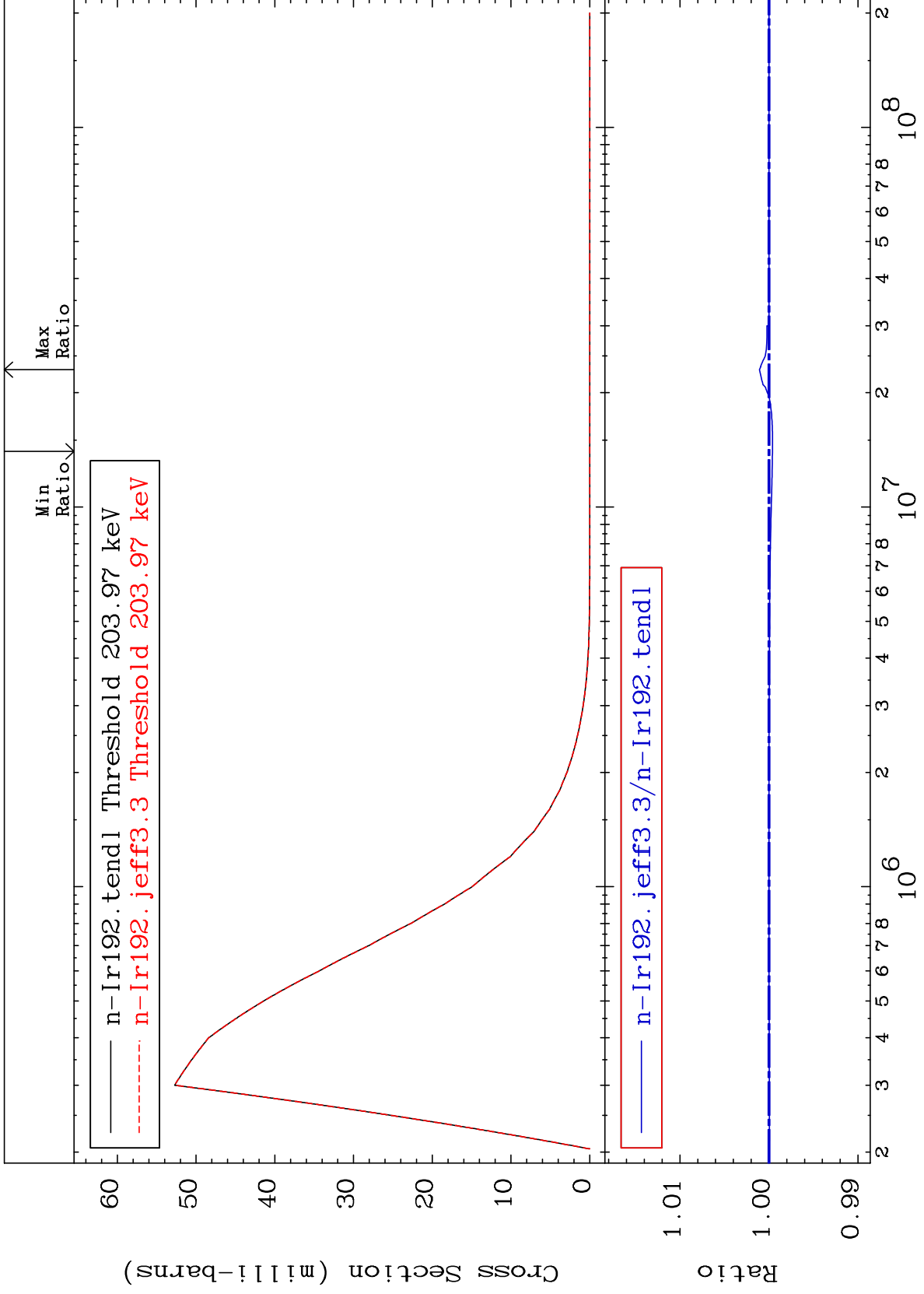
77-Ir-192  
-0.040 To 0.107 %



MAT 7728

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

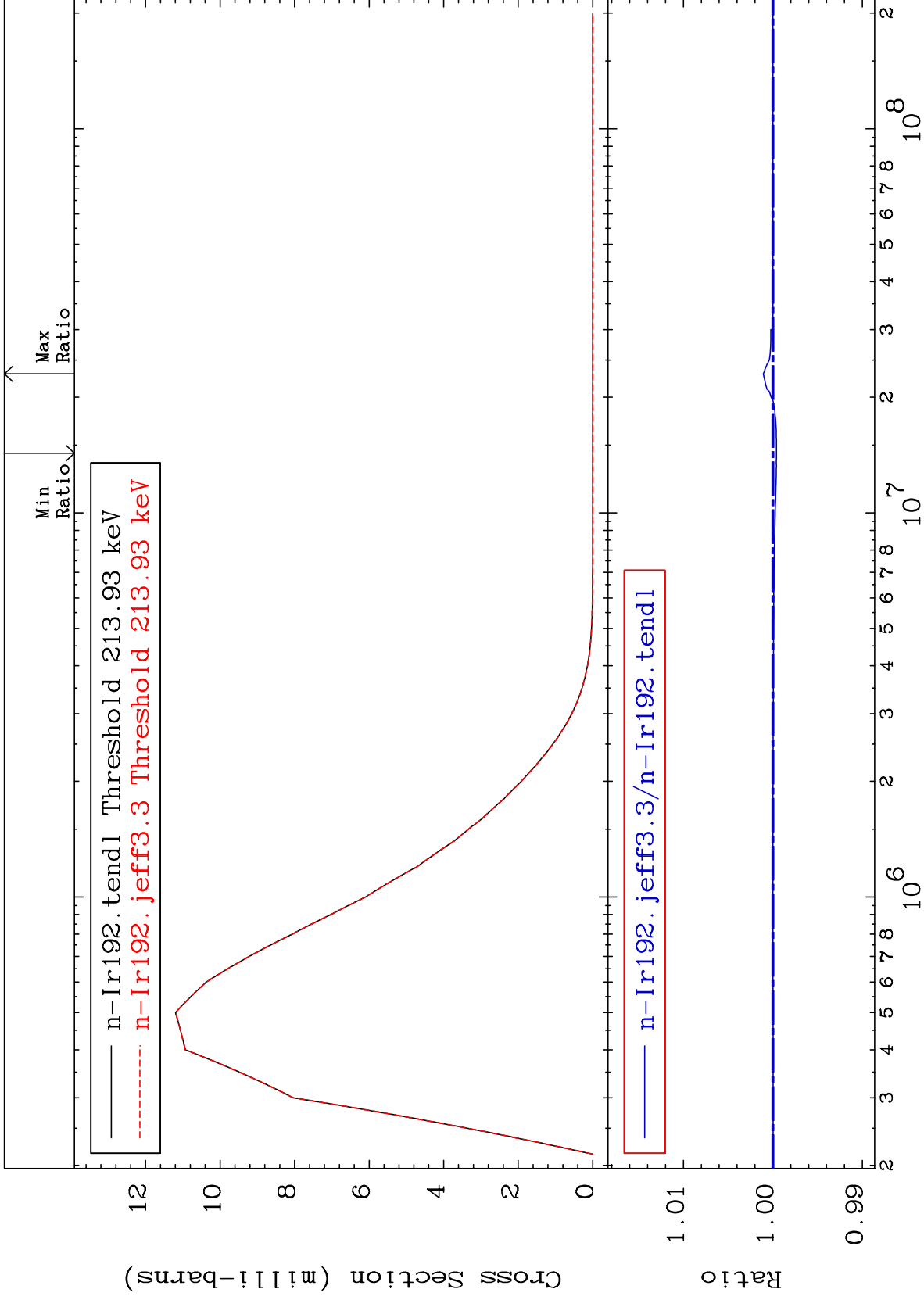
77-Ir-192  
-0.040 To 0.106 %



MAT 7728

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

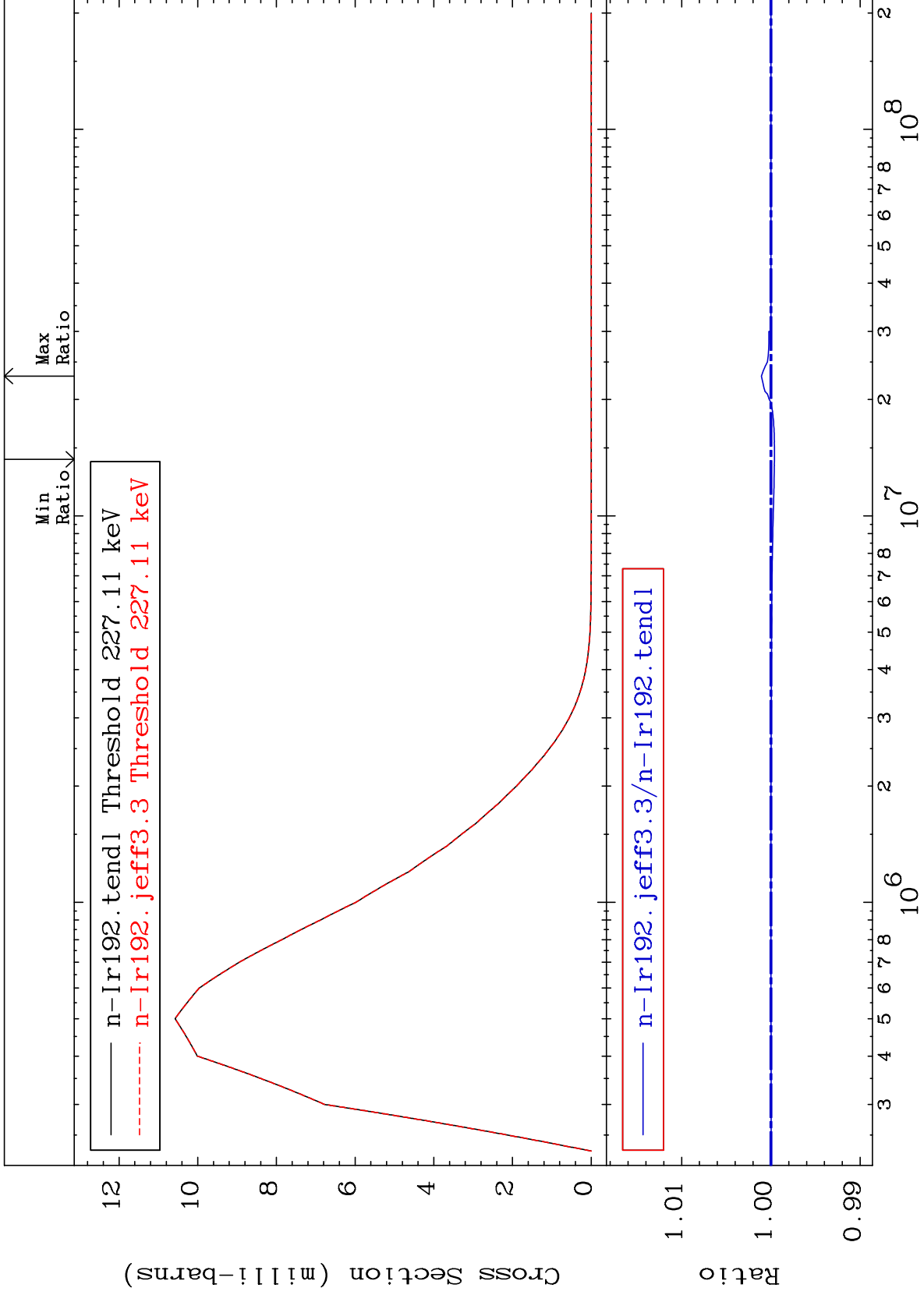
77-Ir-192  
-0.040 To 0.106 %



MAT 7728

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

77-Ir-192  
-0.040 To 0.106 %



30

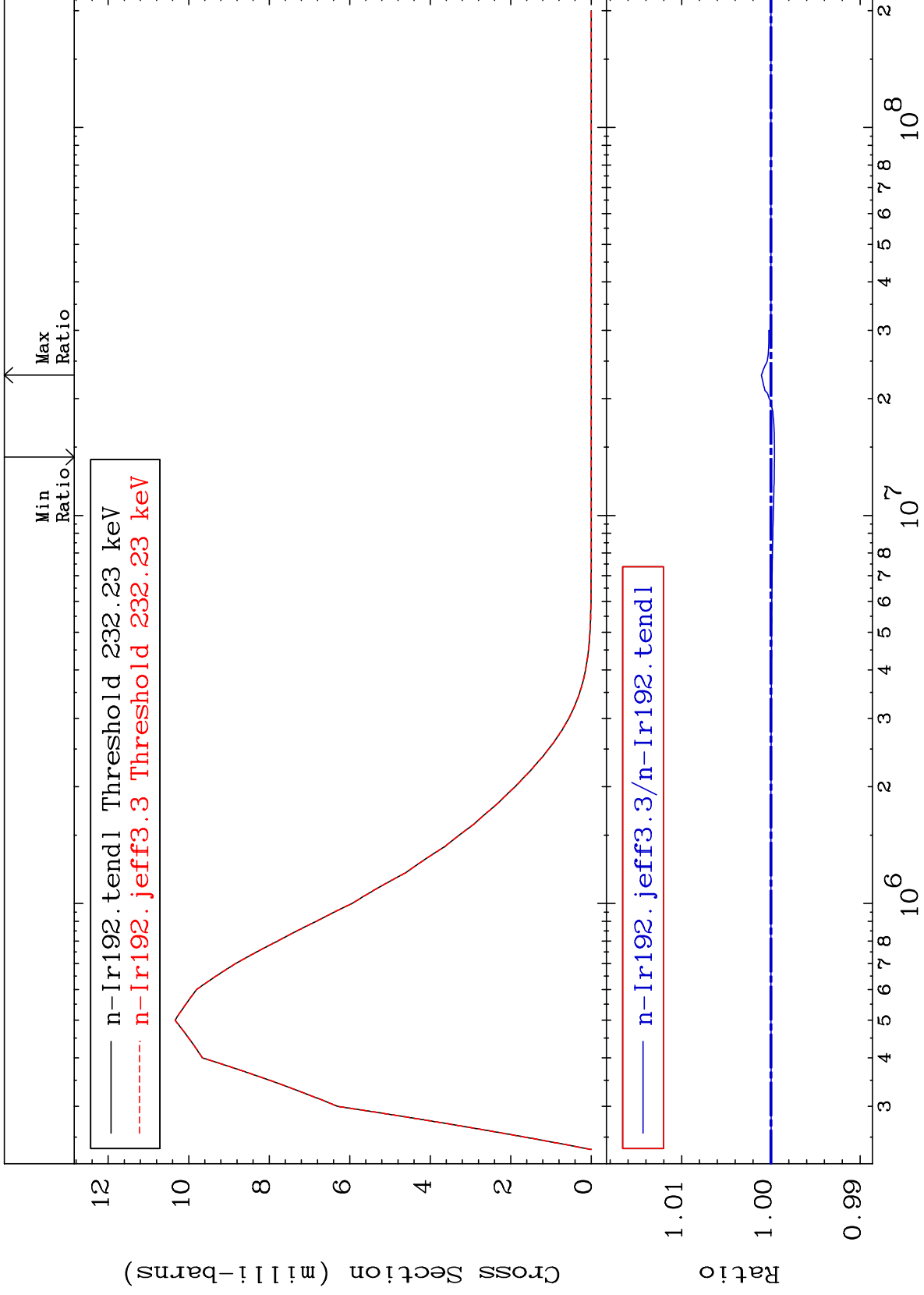
Incident Energy (eV)

77-Ir-192

MAT 7728

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

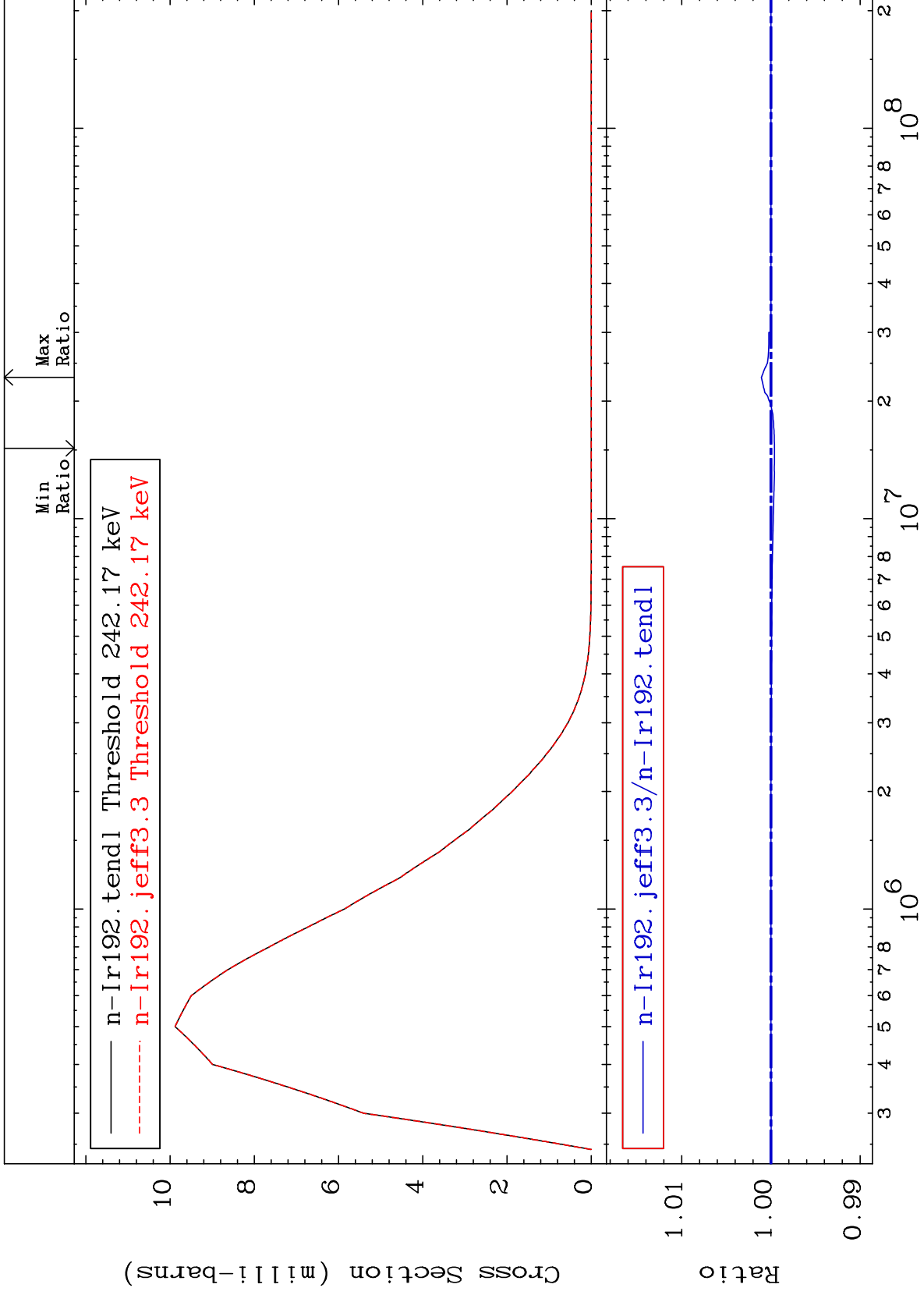
77-Ir-192  
-0.040 To 0.106 %



MAT 7728

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

77-Ir-192  
-0.040 To 0.106 %

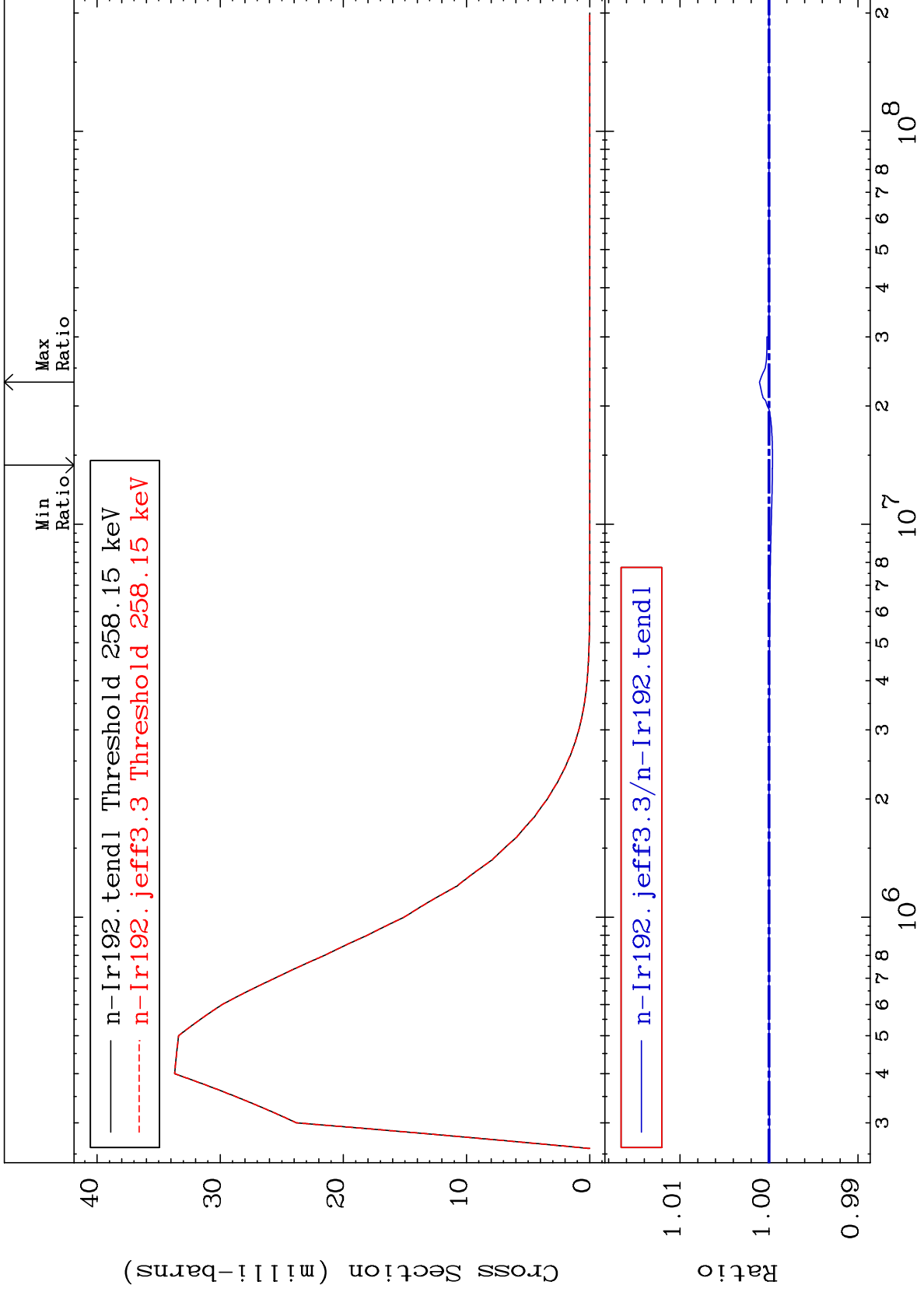




MAT 7728

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

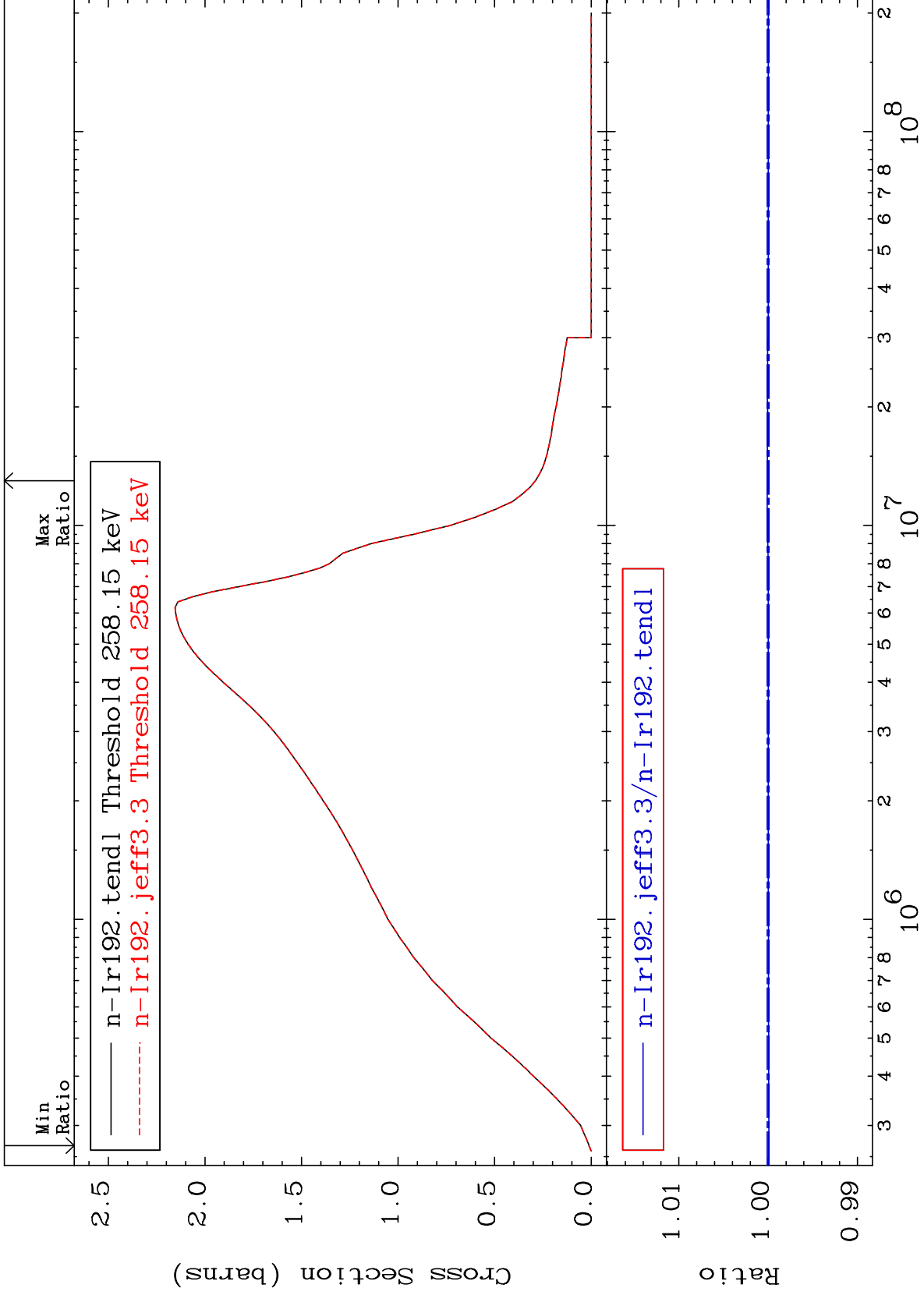
77-Ir-192  
-0.040 To 0.107 %



MAT 7728

(n, n') Continuum  
Cross Section

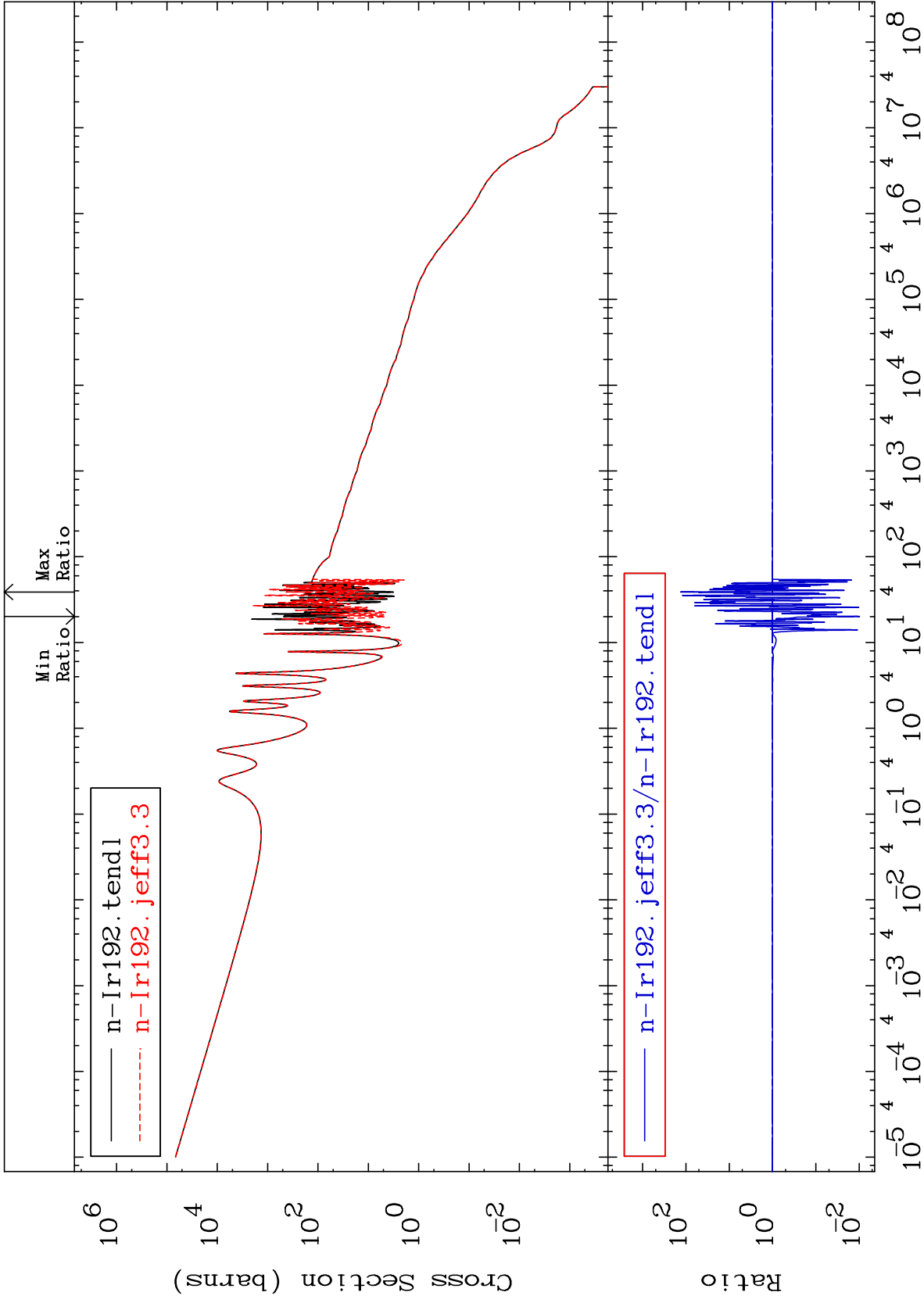
<sup>77</sup>Ir-<sup>192</sup>  
-0.007 To 0.012 %



MAT 7728

77-Ir-192  
-99.01 To 9999. %

(n,  $\gamma$ )  
Cross Section



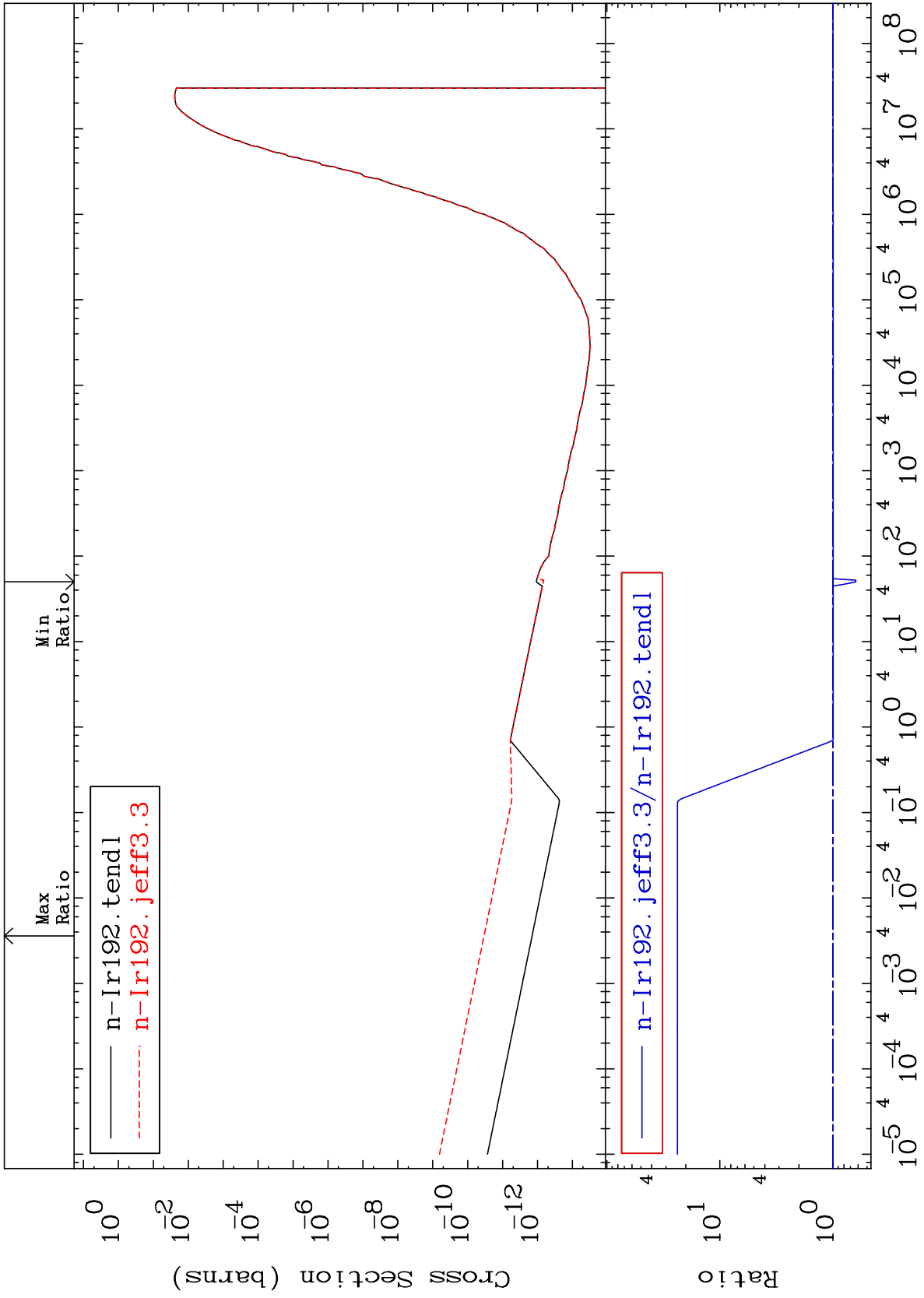
MAT 7728

(n,p)

77-Ir-192

Cross Section

-37.25 To 2270. %



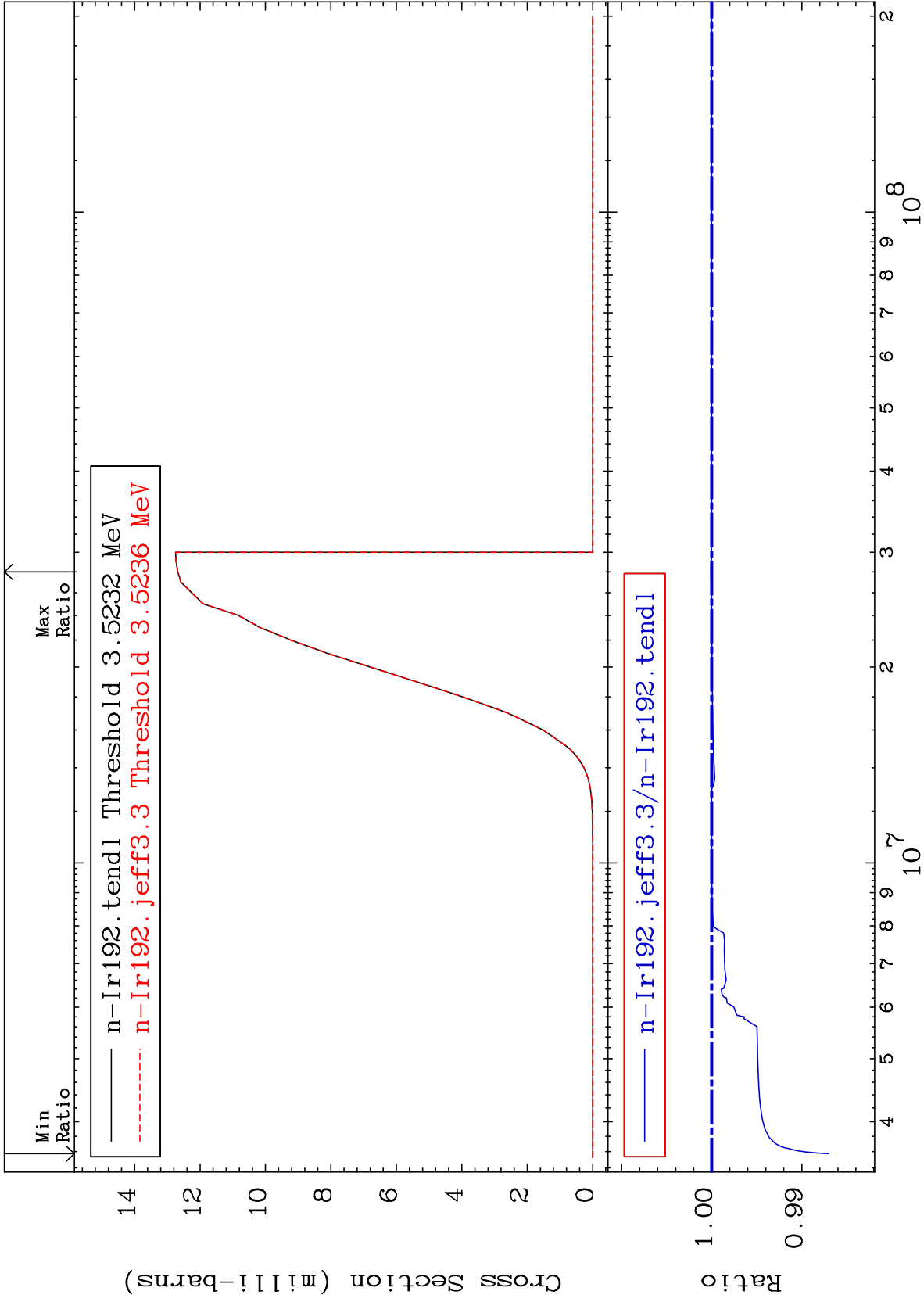
MAT 7728

(n, d)

77-Ir-192

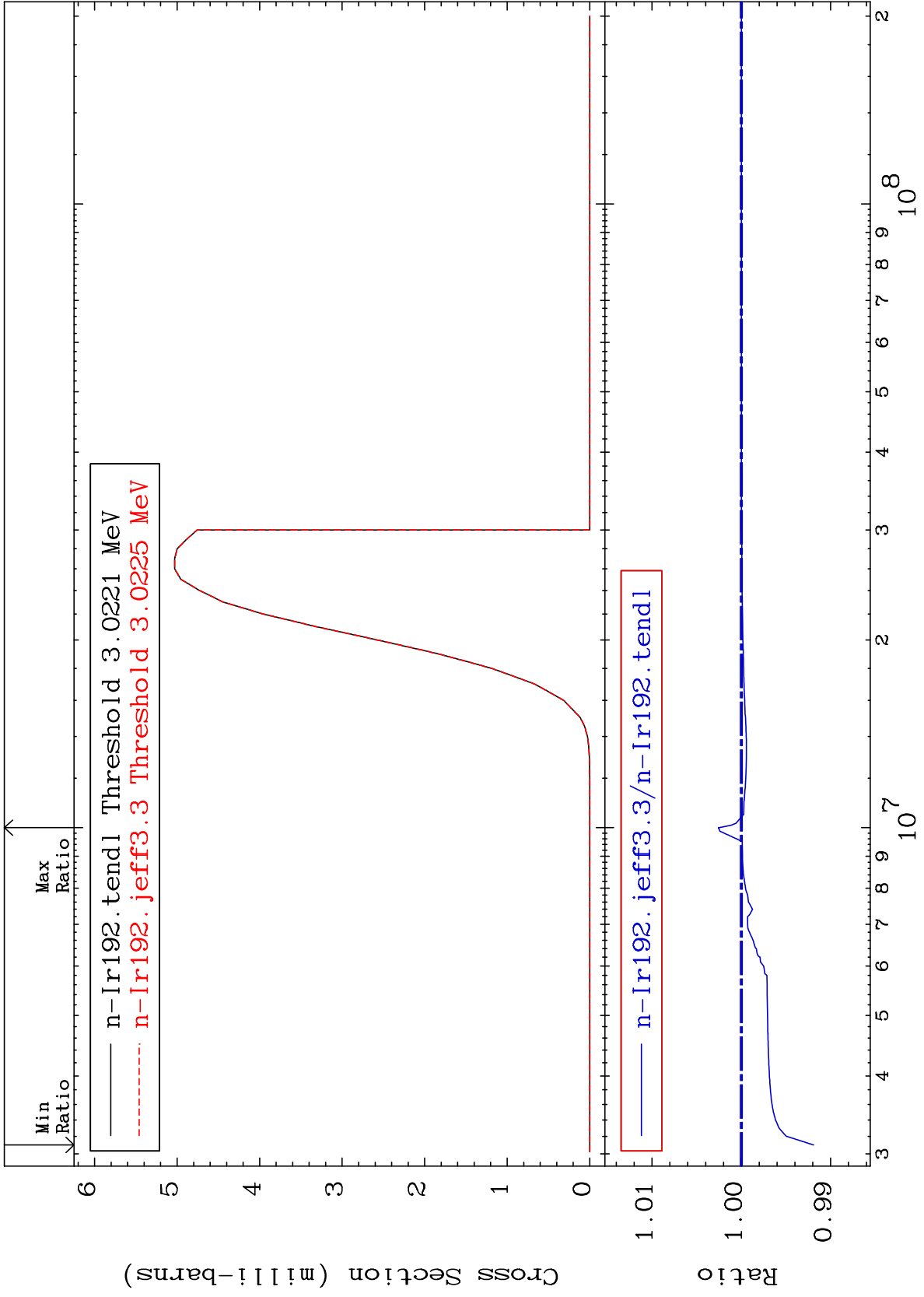
Cross Section

-1.299 To 0.007 %



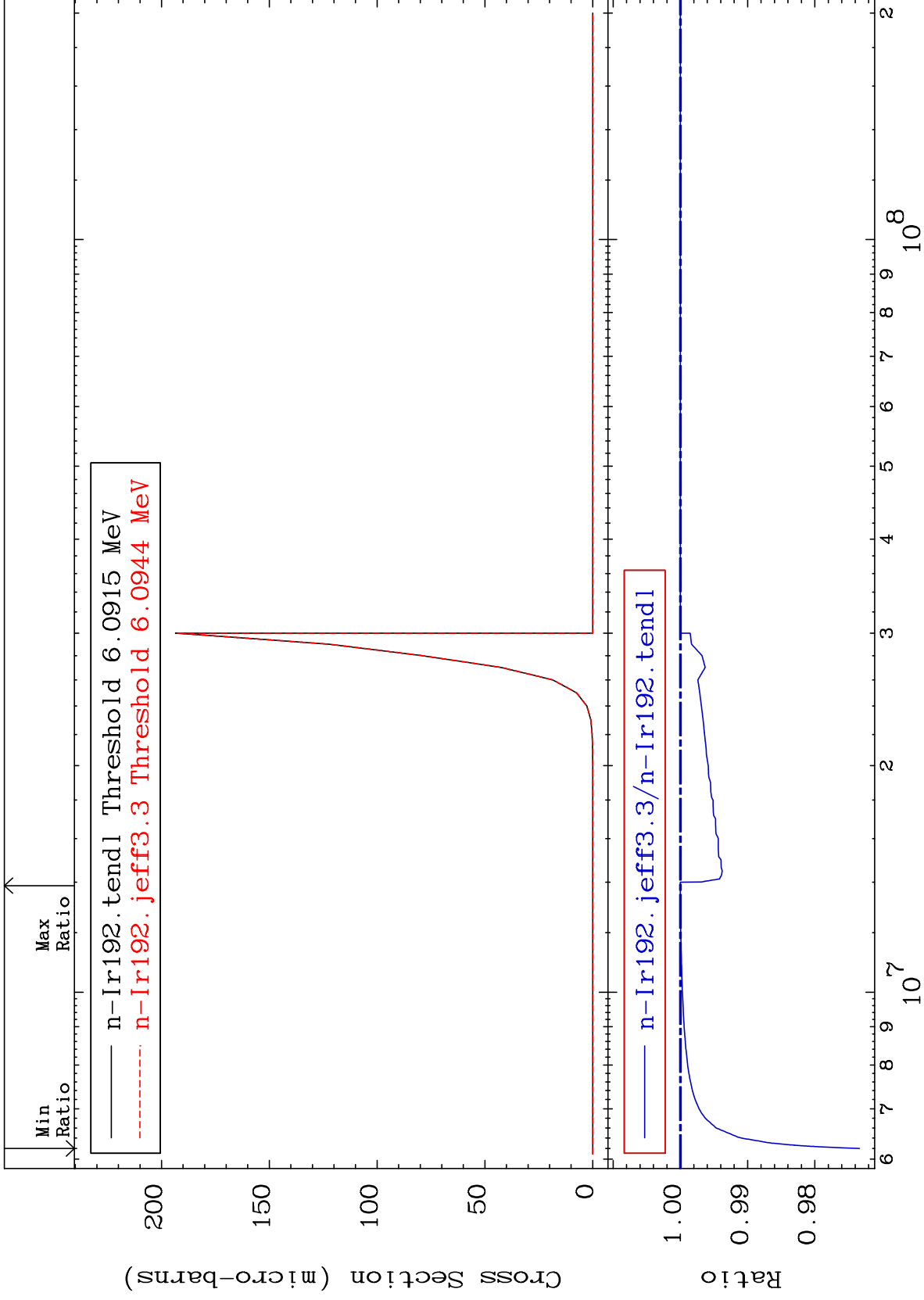
MAT 7728

(n, t)  
Cross Section  
77-Ir-192  
-0.809 To 0.257 %



Cross Section

-2.664 To 0.000 %



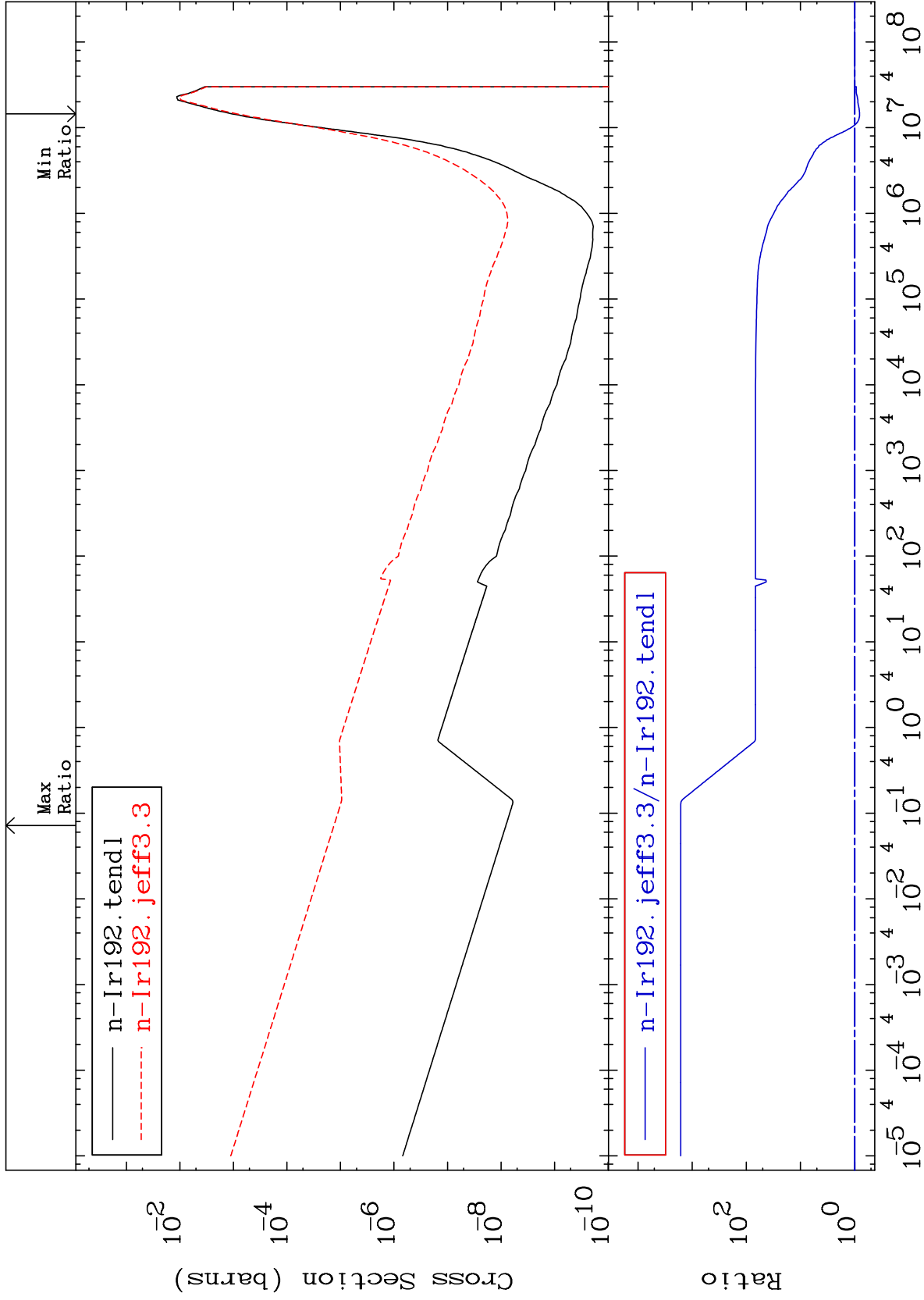
MAT 7728

(n,  $\alpha$ )

77-Ir-192

Cross Section

-18.77 To 9999. %



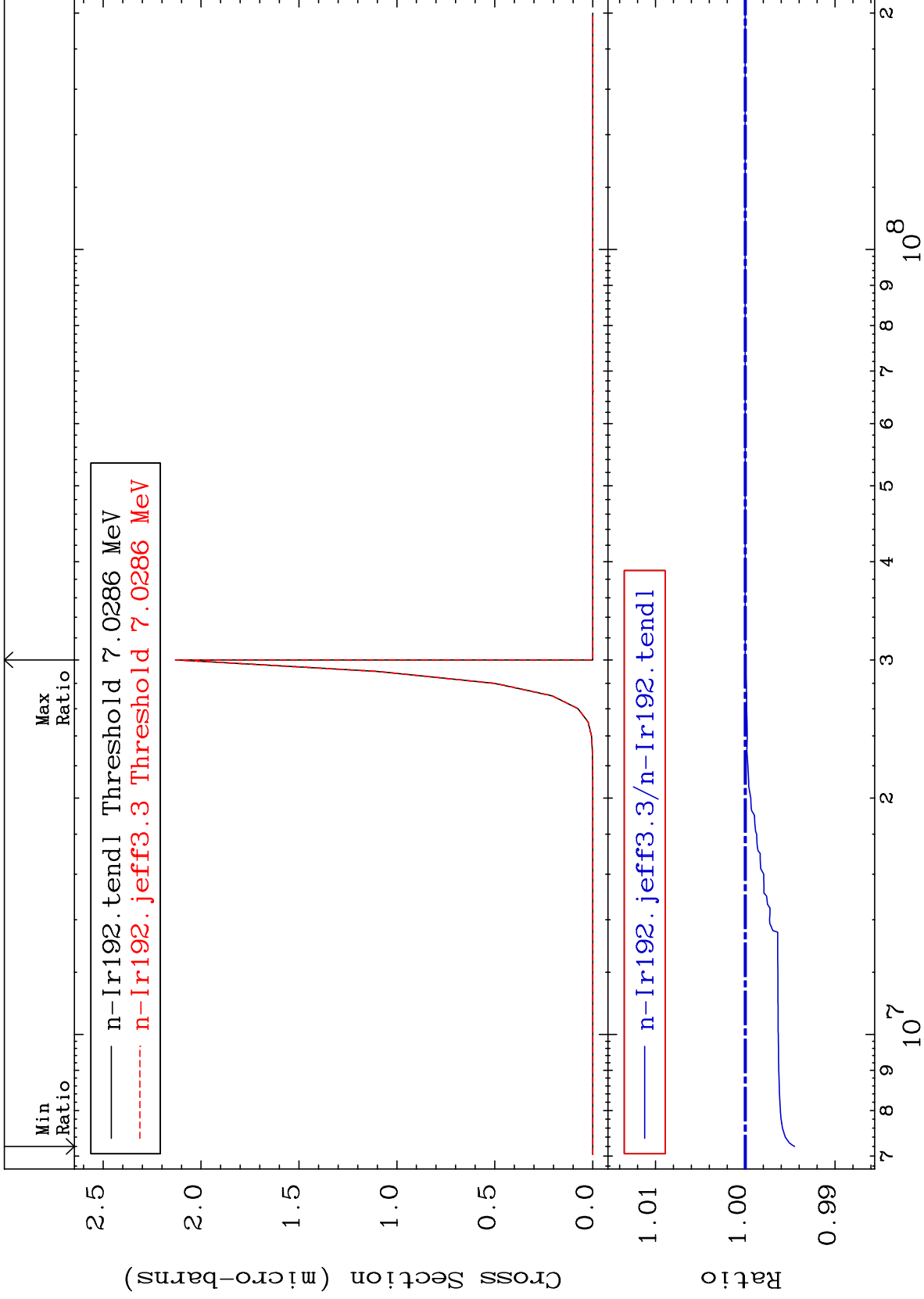


MAT 7728

(n,2p)

77-Ir-192  
-0.549 To 0.000 %

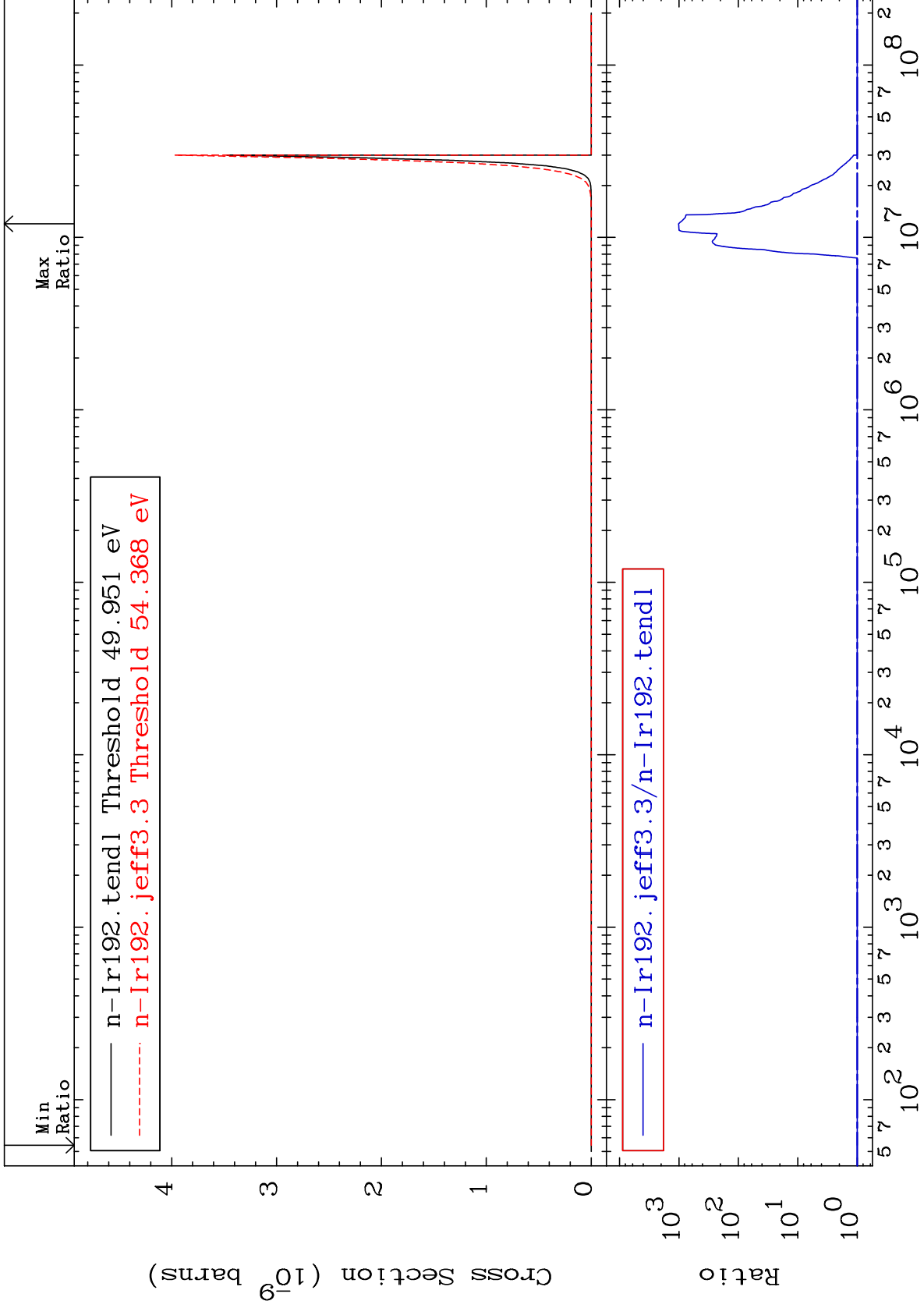
Cross Section



MAT 7728

(n, p)  $\alpha$   
Cross Section

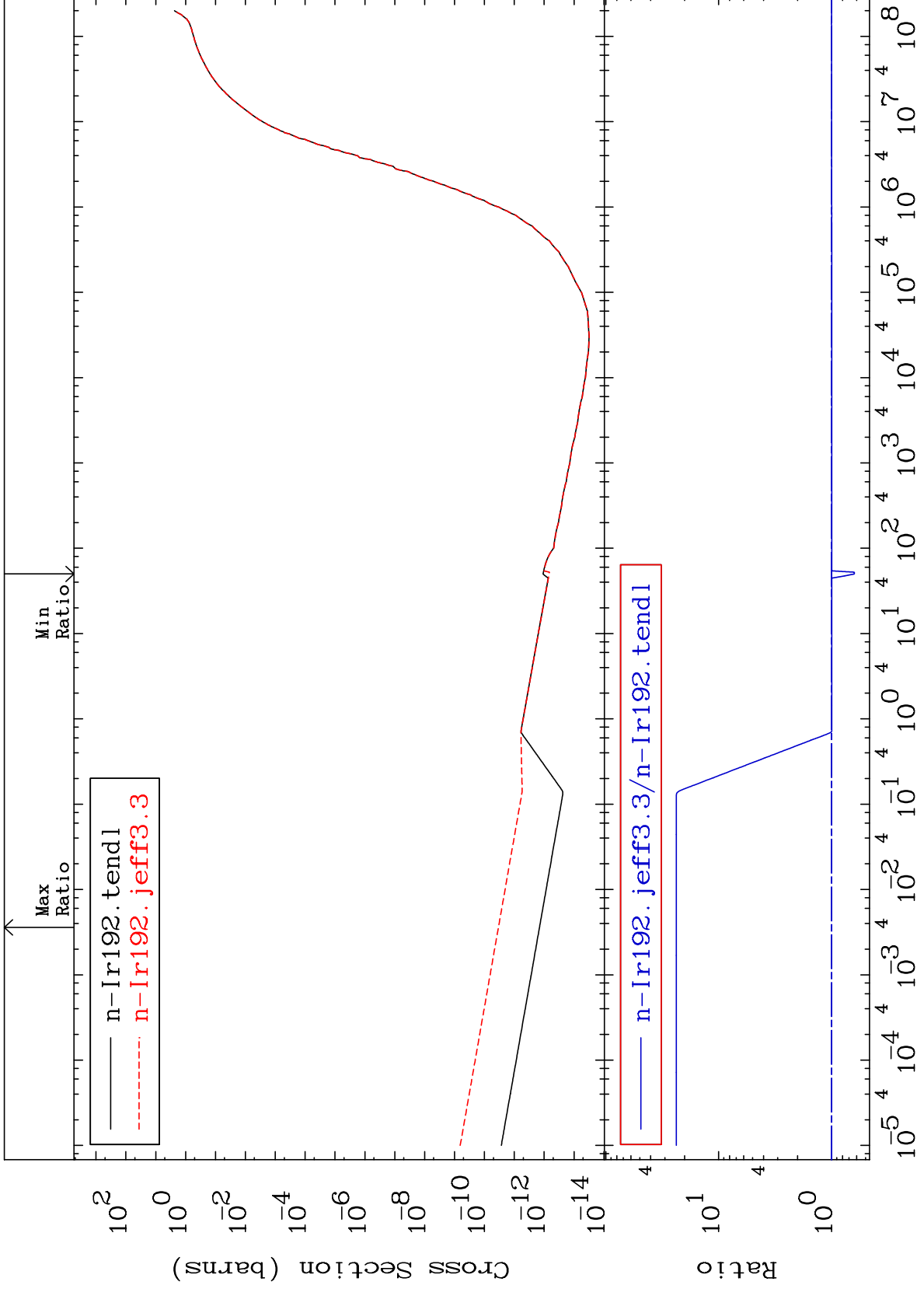
77-Ir-192  
To 9999. %



MAT 7728

Hydrogen Production  
Cross Section

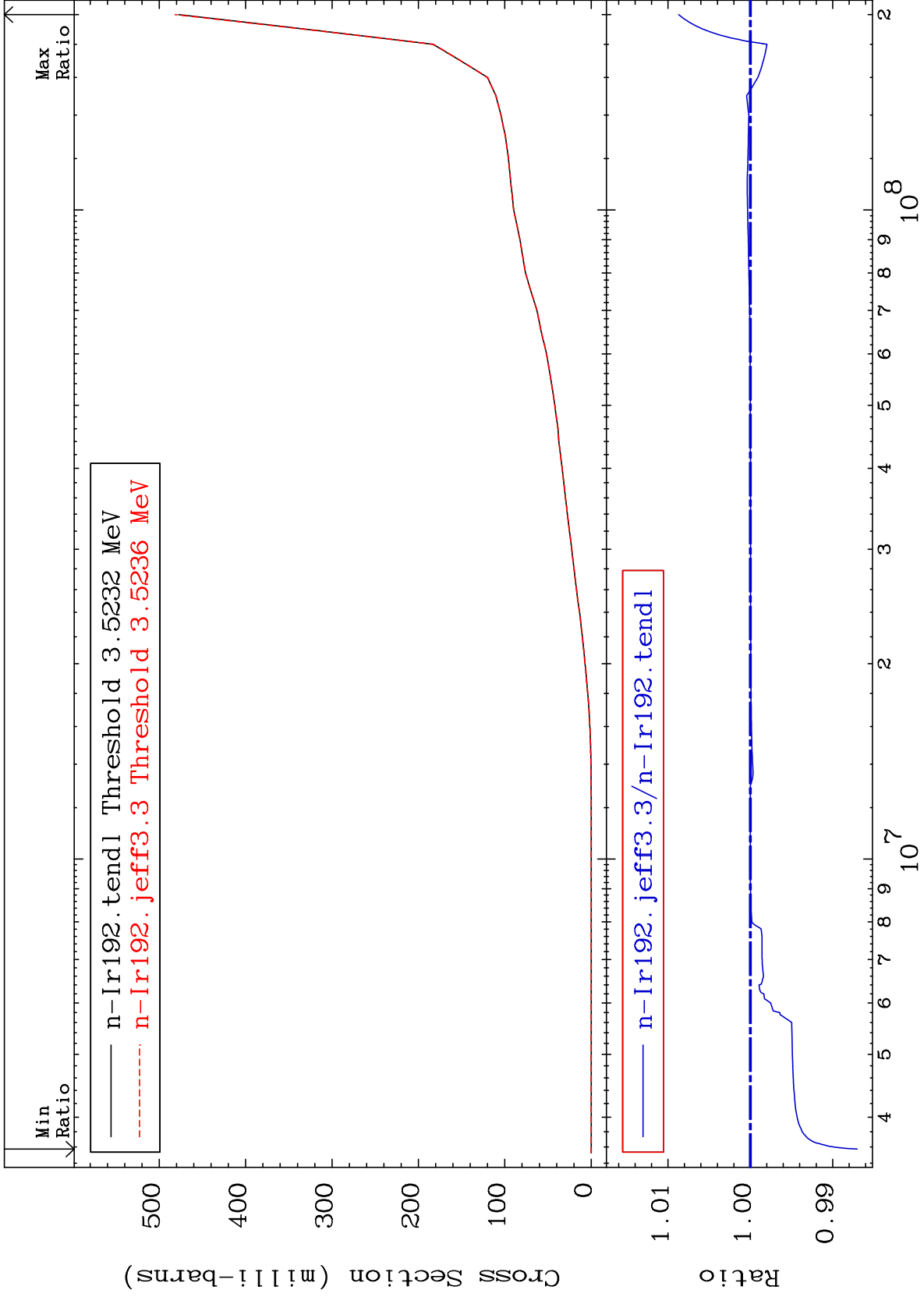
77-Ir-192  
-37.25 To 2270. %



MAT 7728

Deuterium Production  
Cross Section

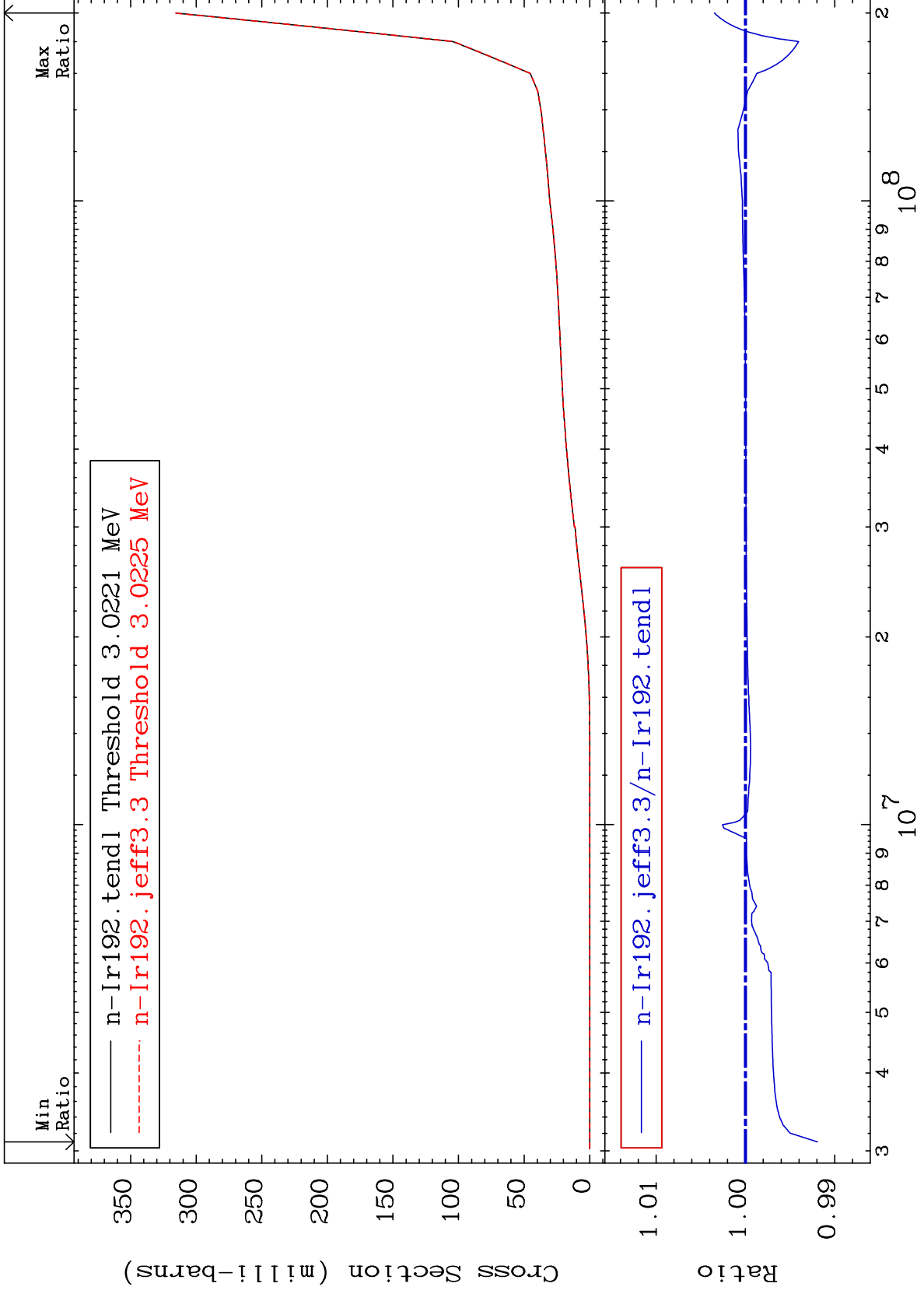
<sup>77</sup>Ir-<sup>192</sup>  
-1.299 To 0.871 %

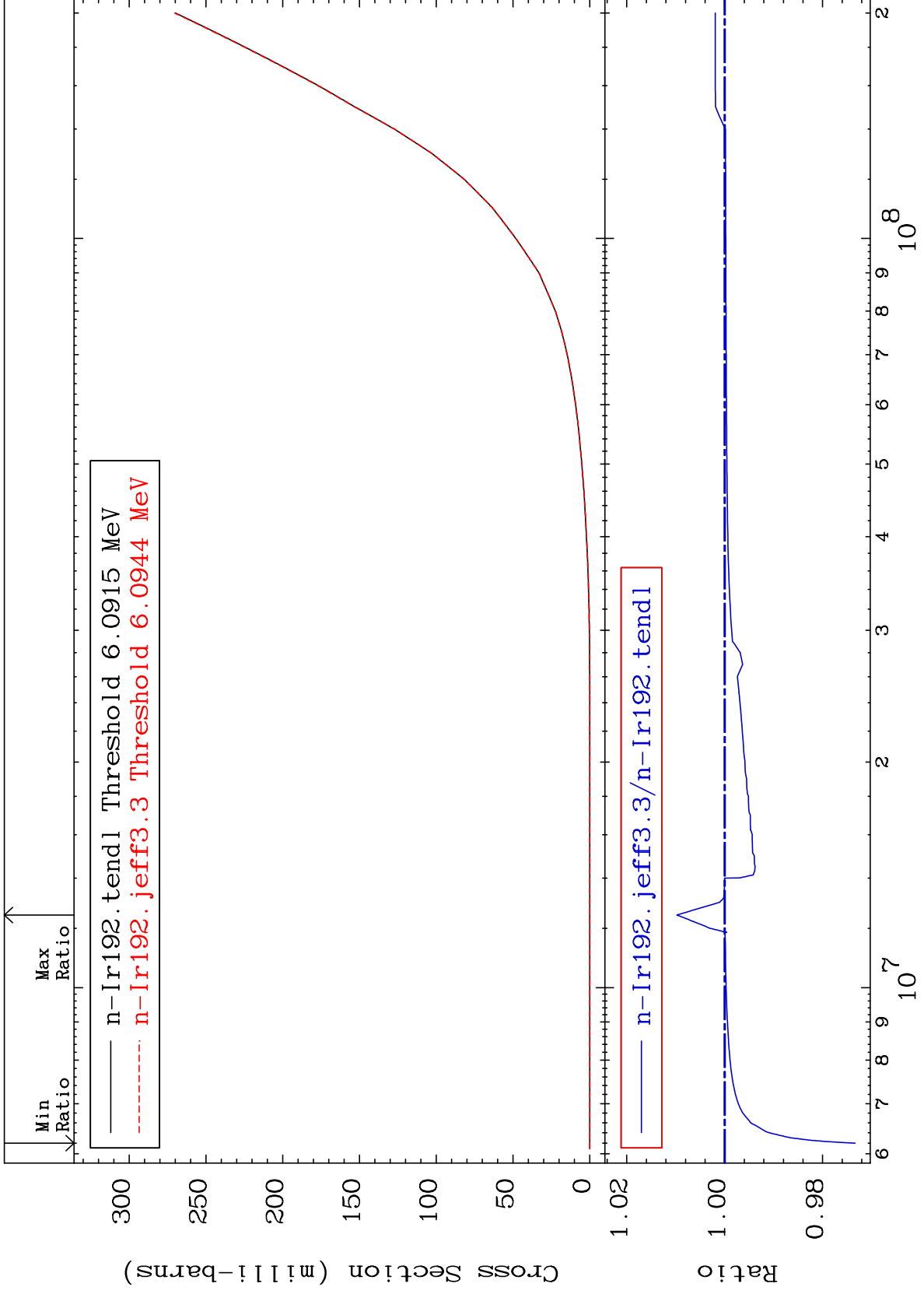


MAT 7728

Tritium Production  
Cross Section

<sup>77</sup>Ir-<sup>192</sup>  
-0.809 To 0.348 %

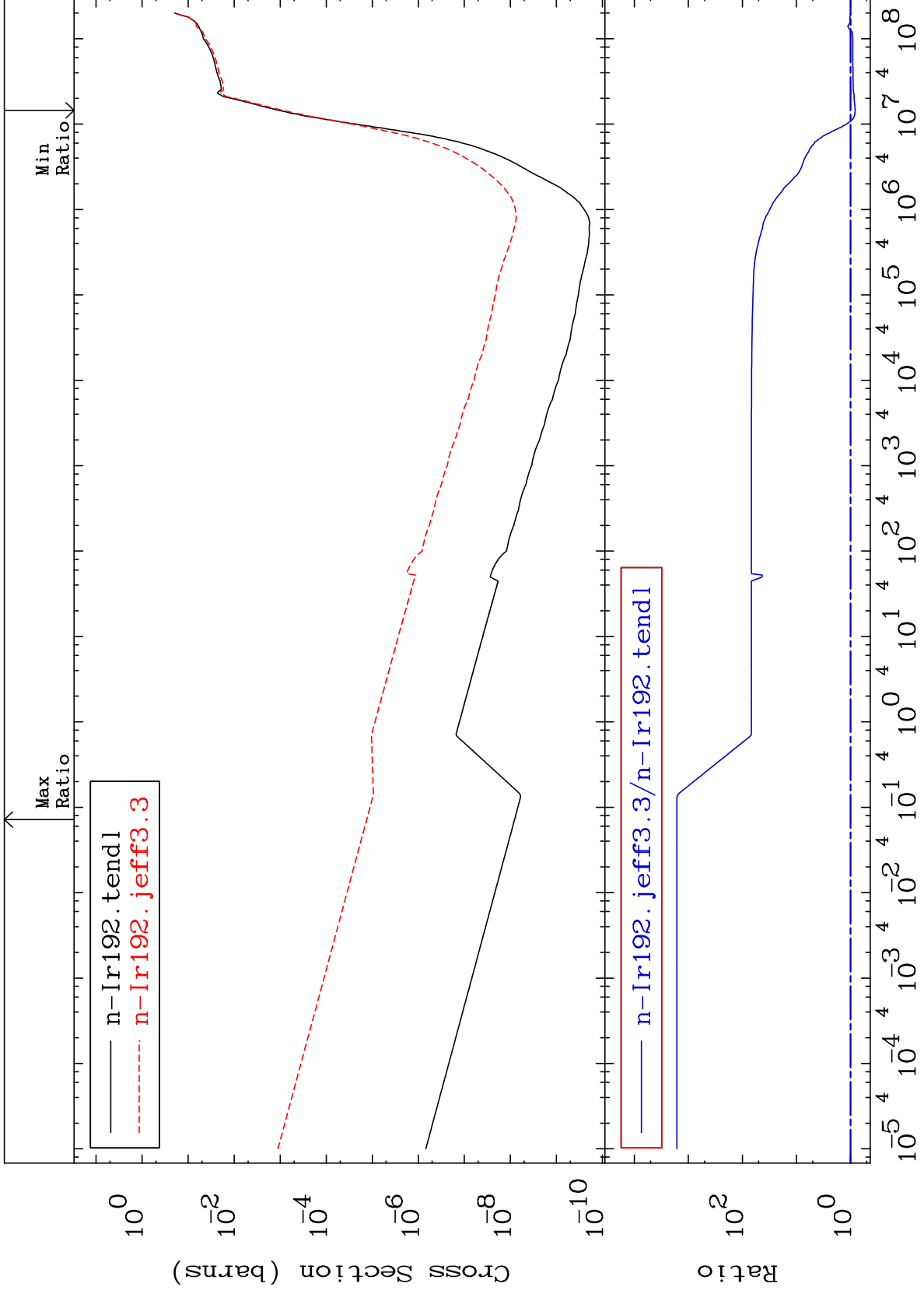




MAT 7728

He-4 Production  
Cross Section

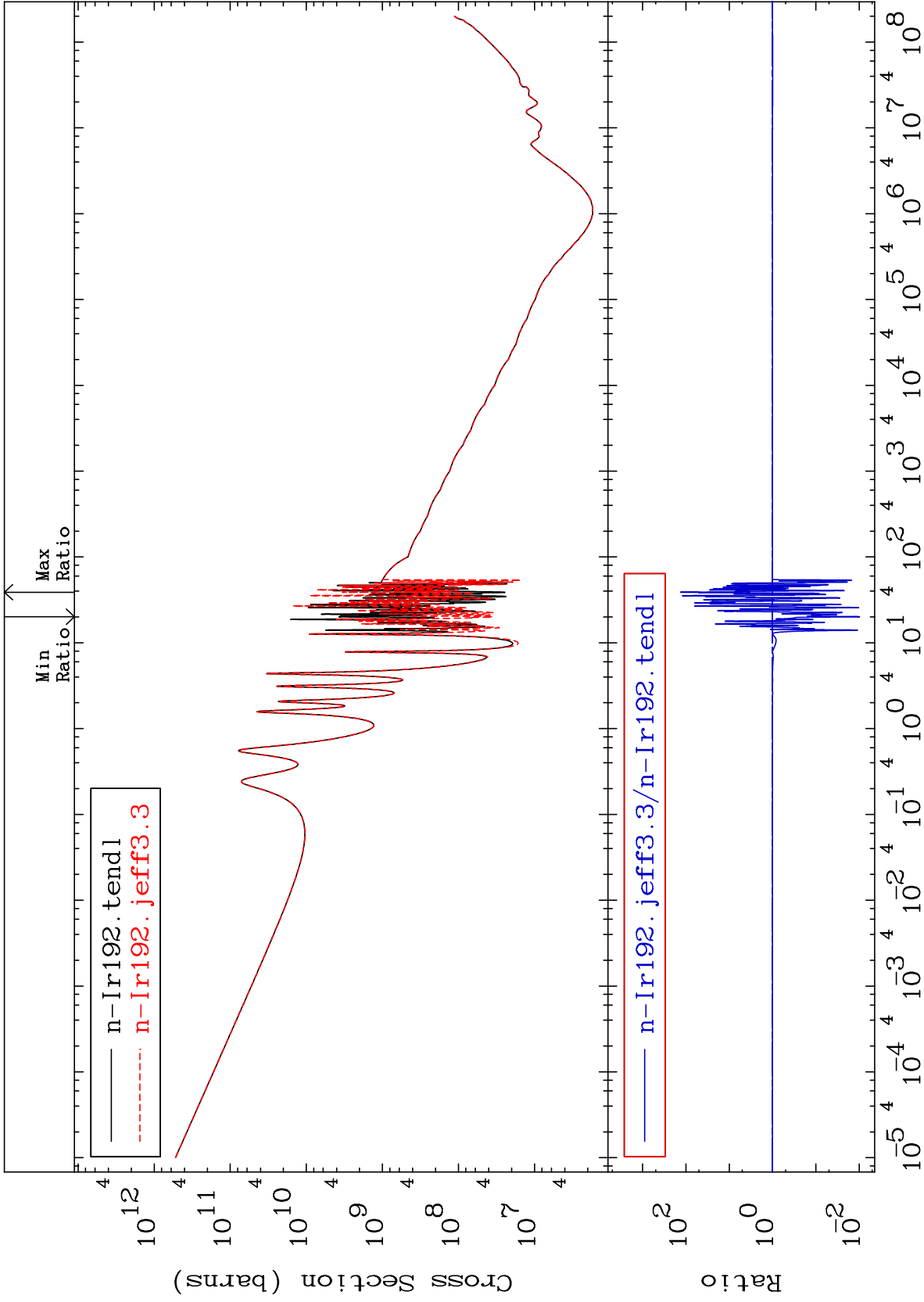
77-Ir-192  
-17.65 To 9999. %



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Incident Energy (eV)

77-Ir-192

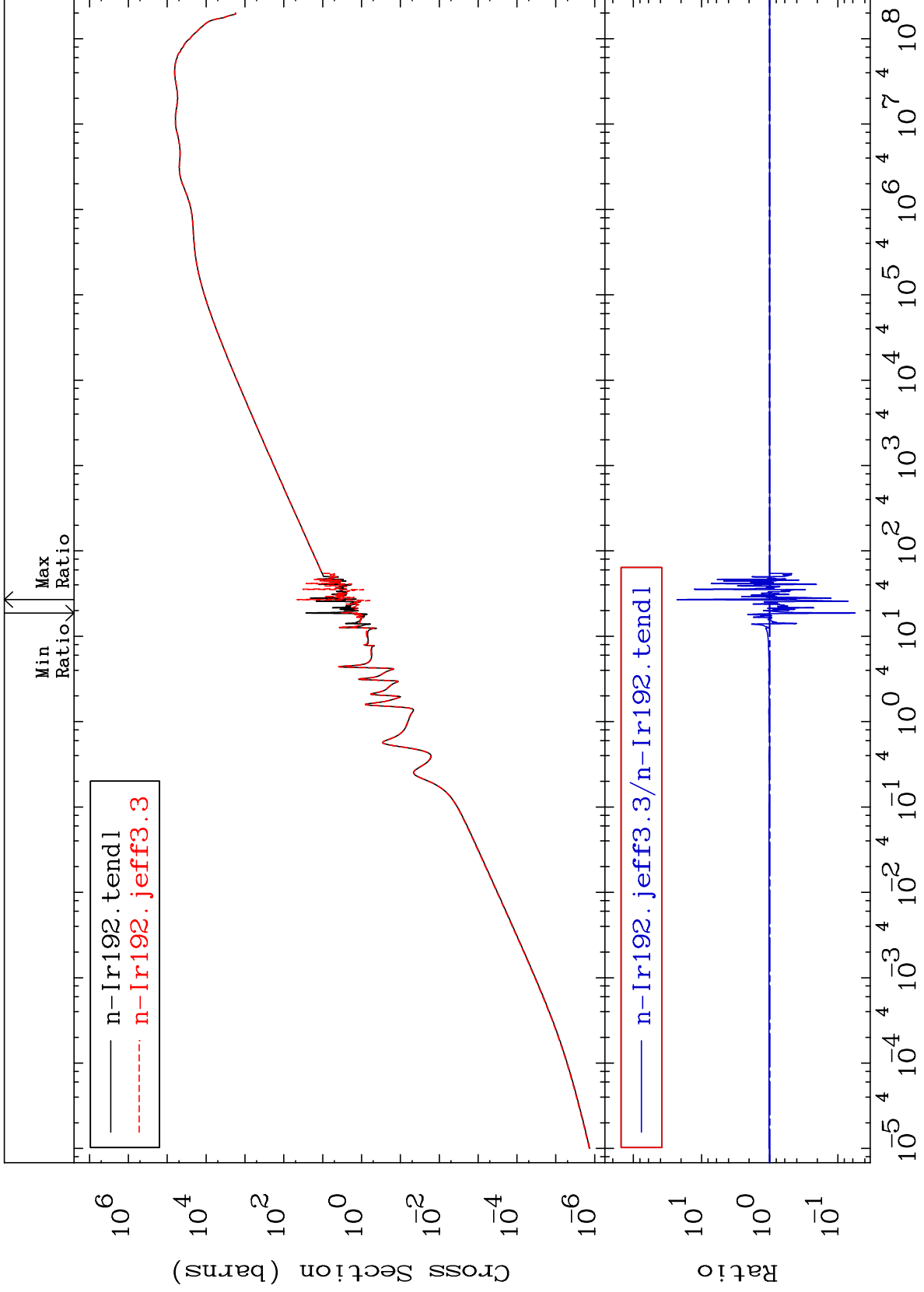


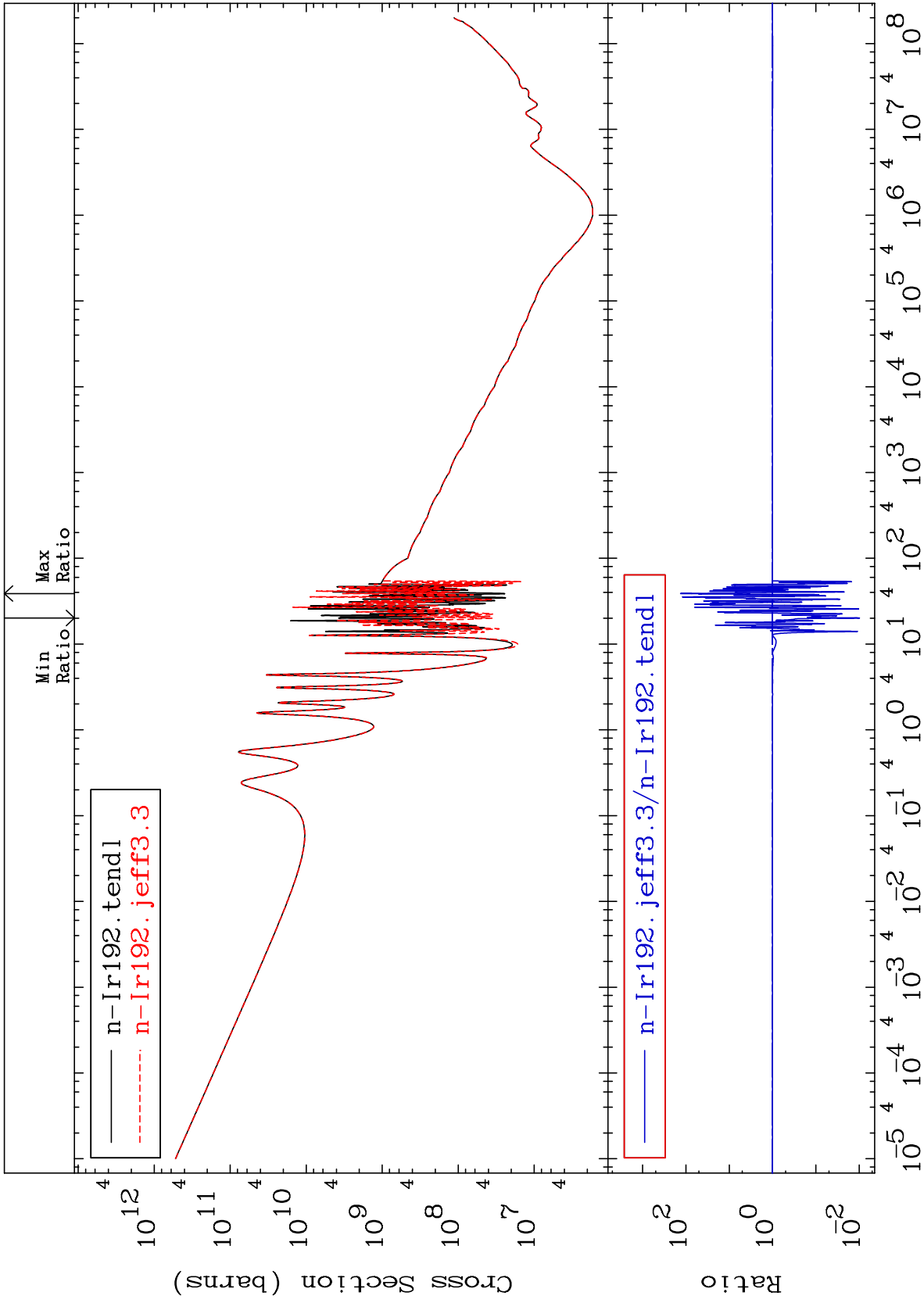


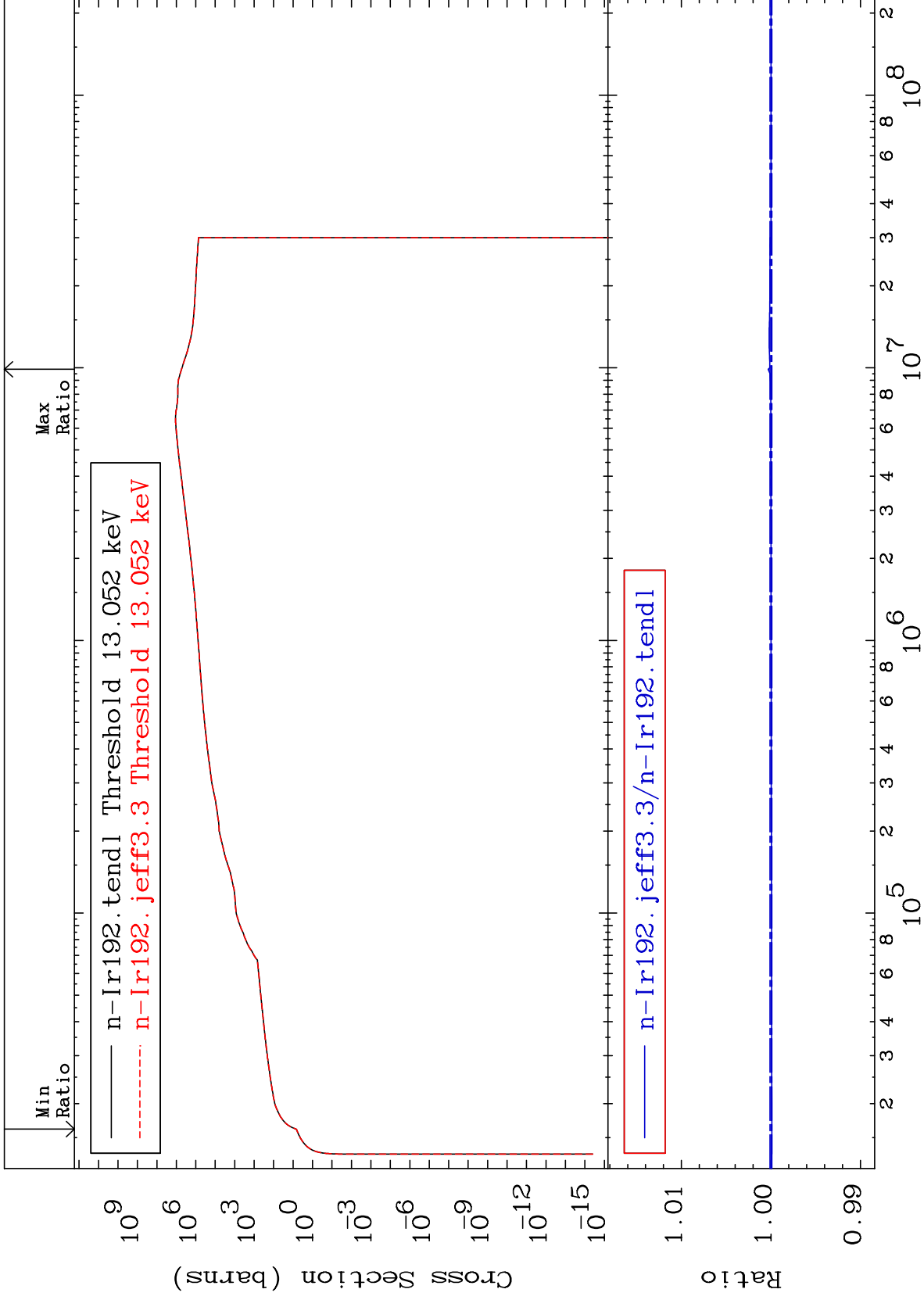
MAT 7728

Kerma elastic  
Cross Section

77-Ir-192  
-94.43 To 2191. %



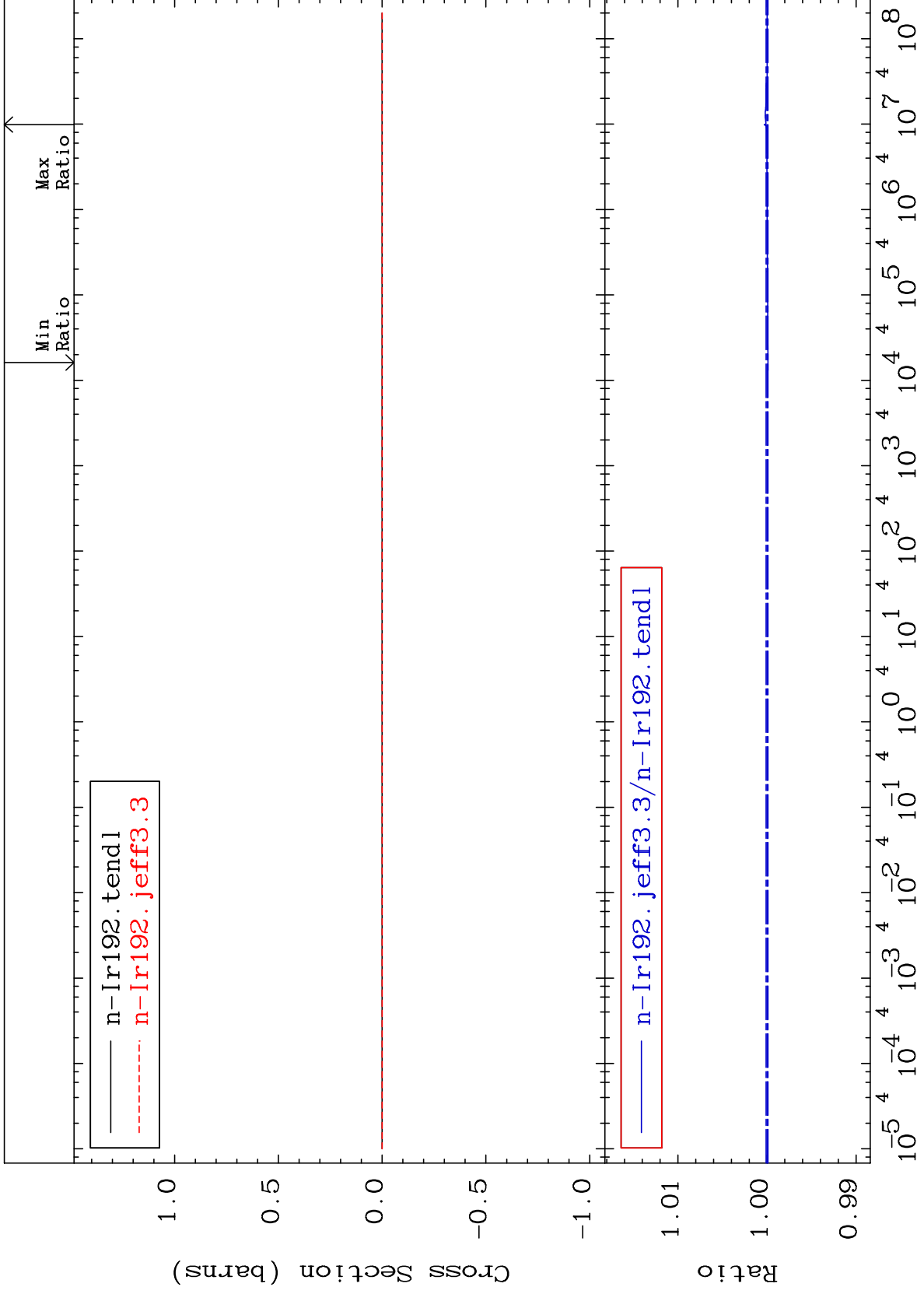


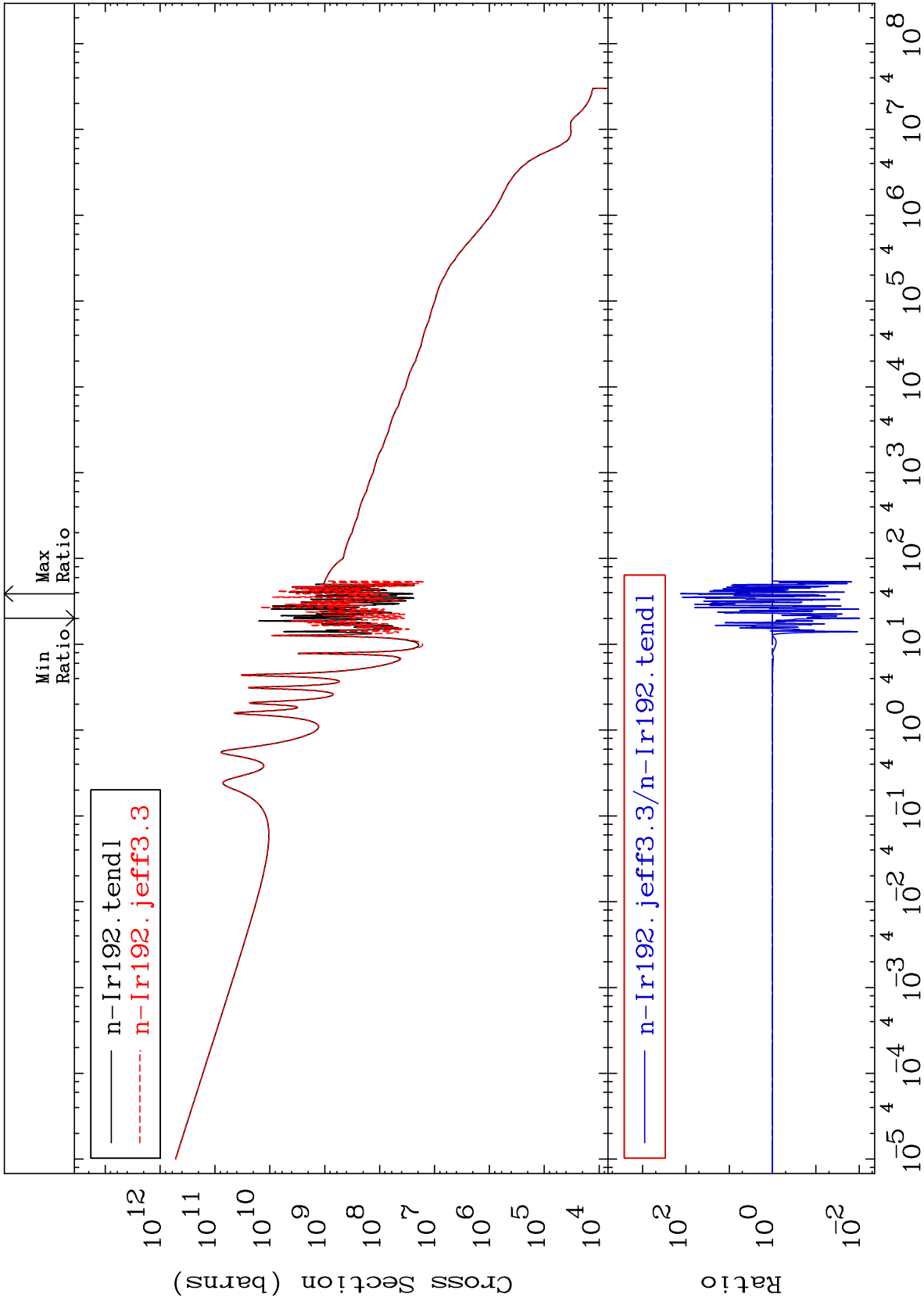


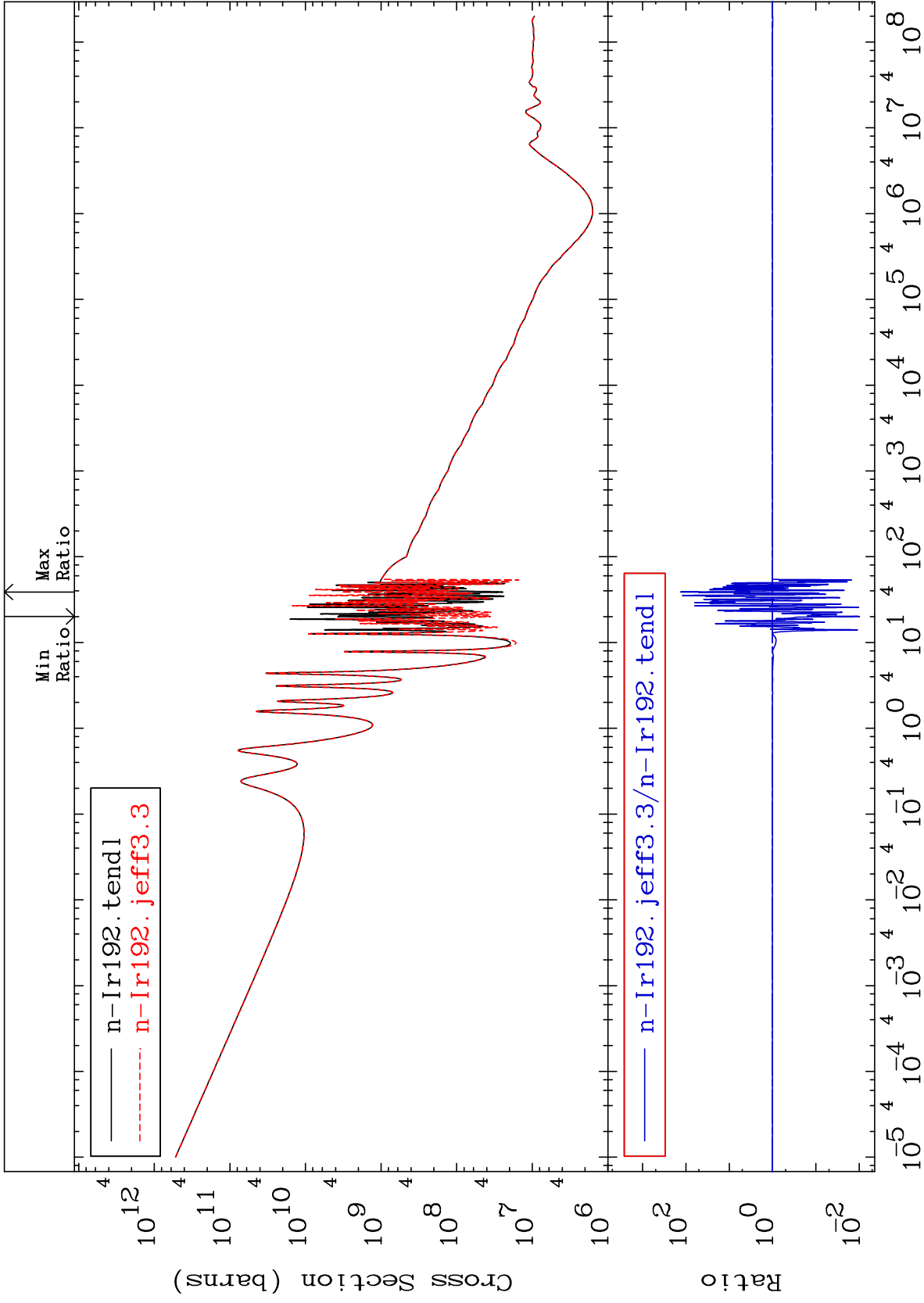
MAT 7728

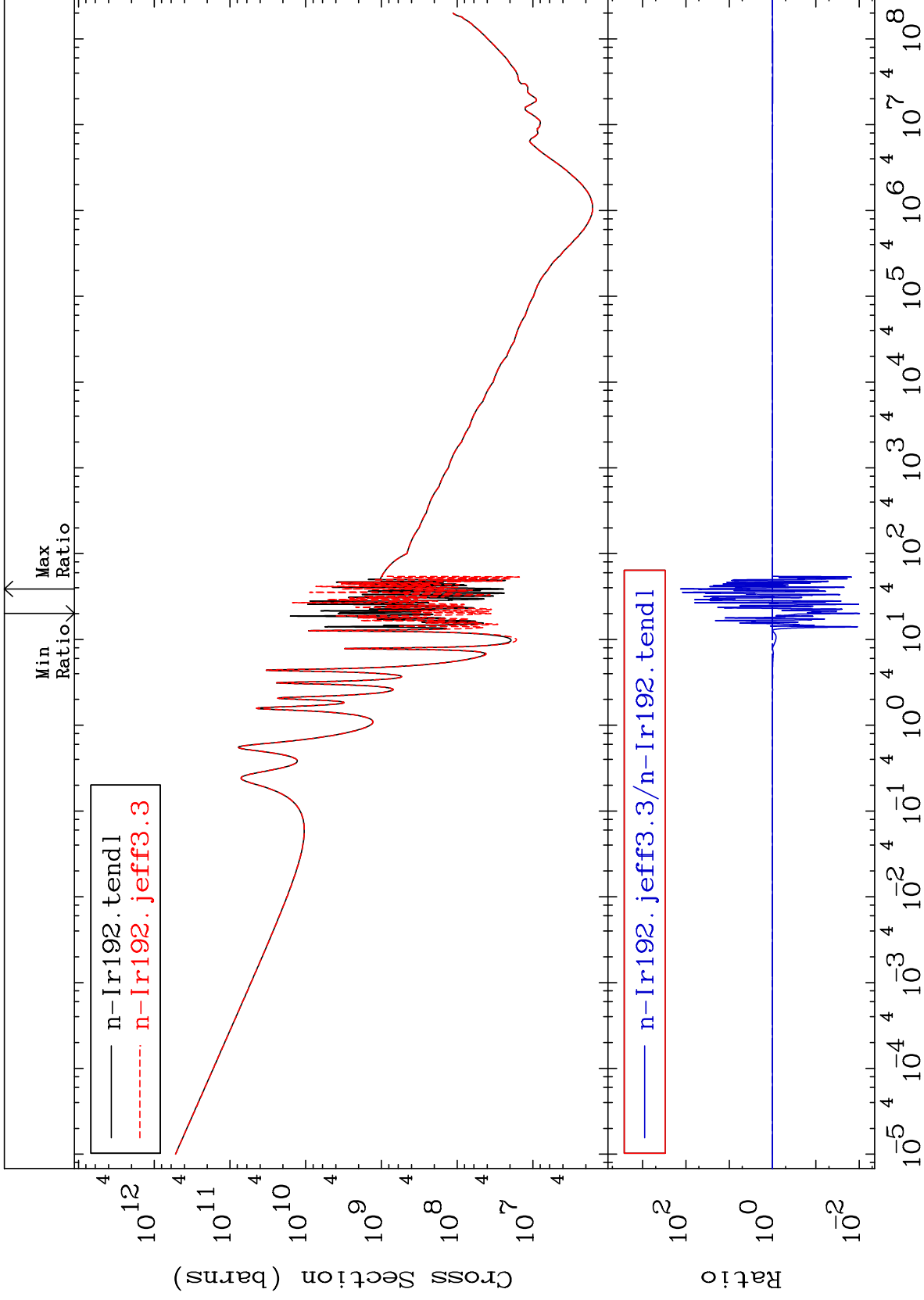
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

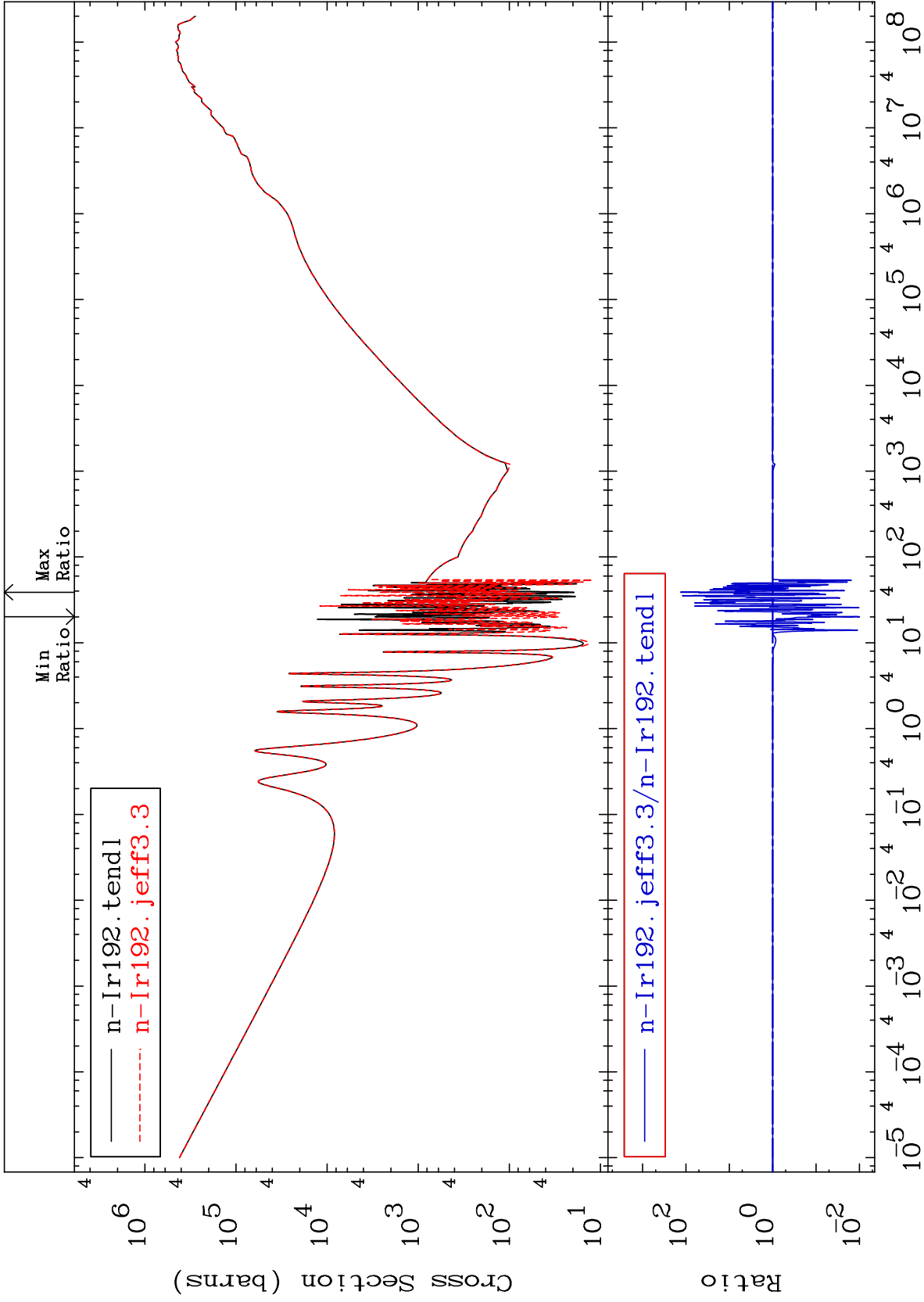
77-Ir-192  
-0.009 To 0.032 %



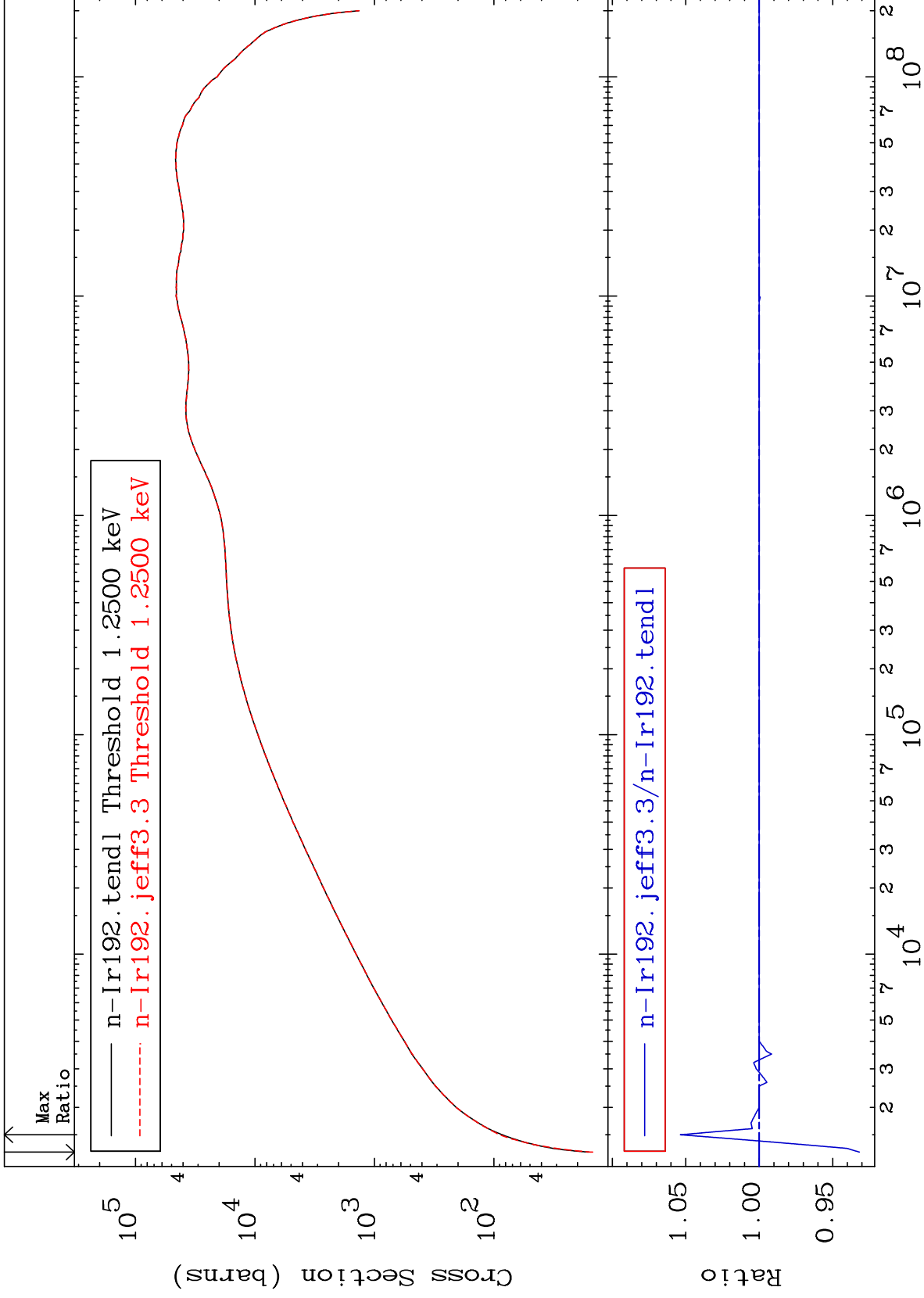


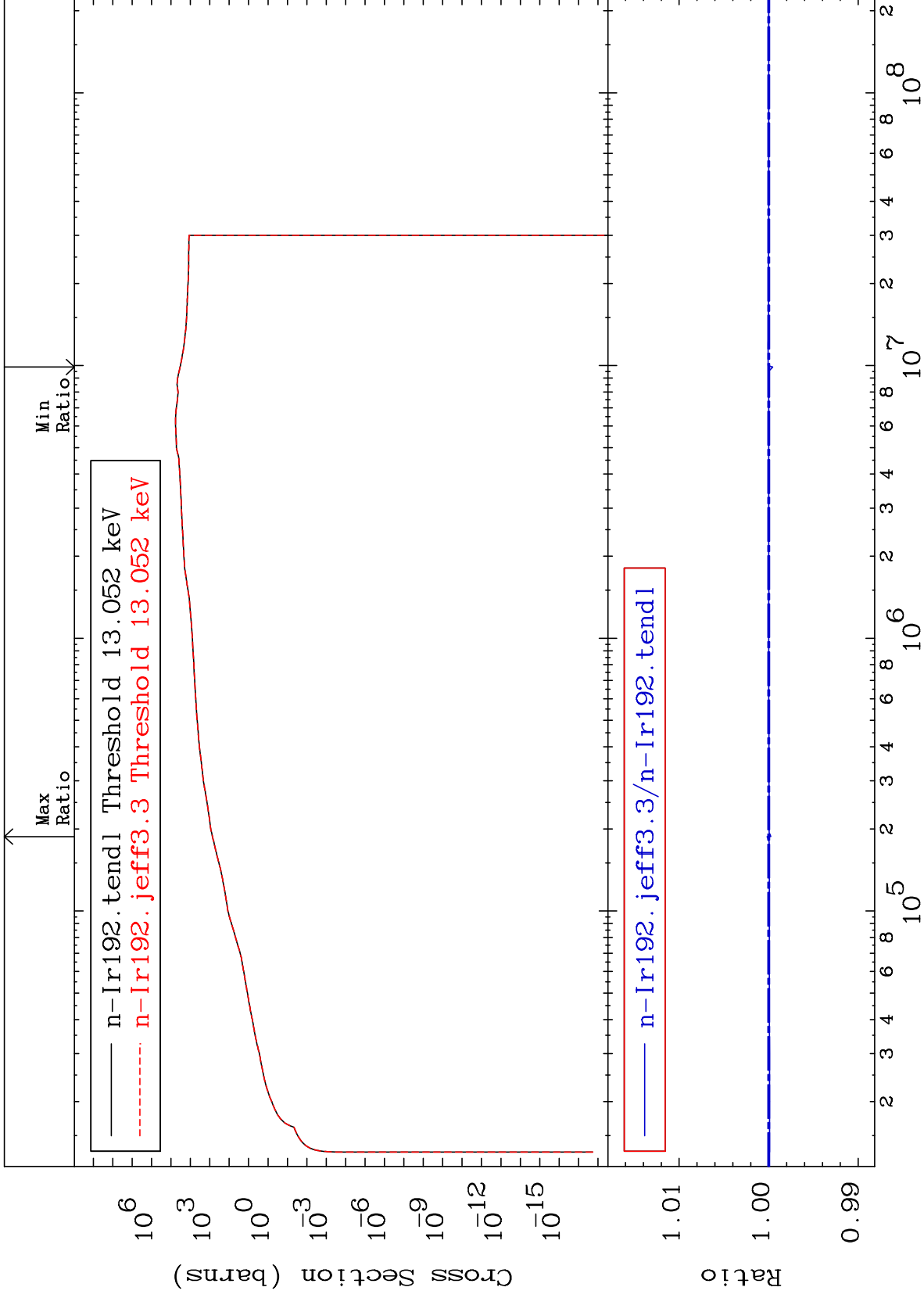


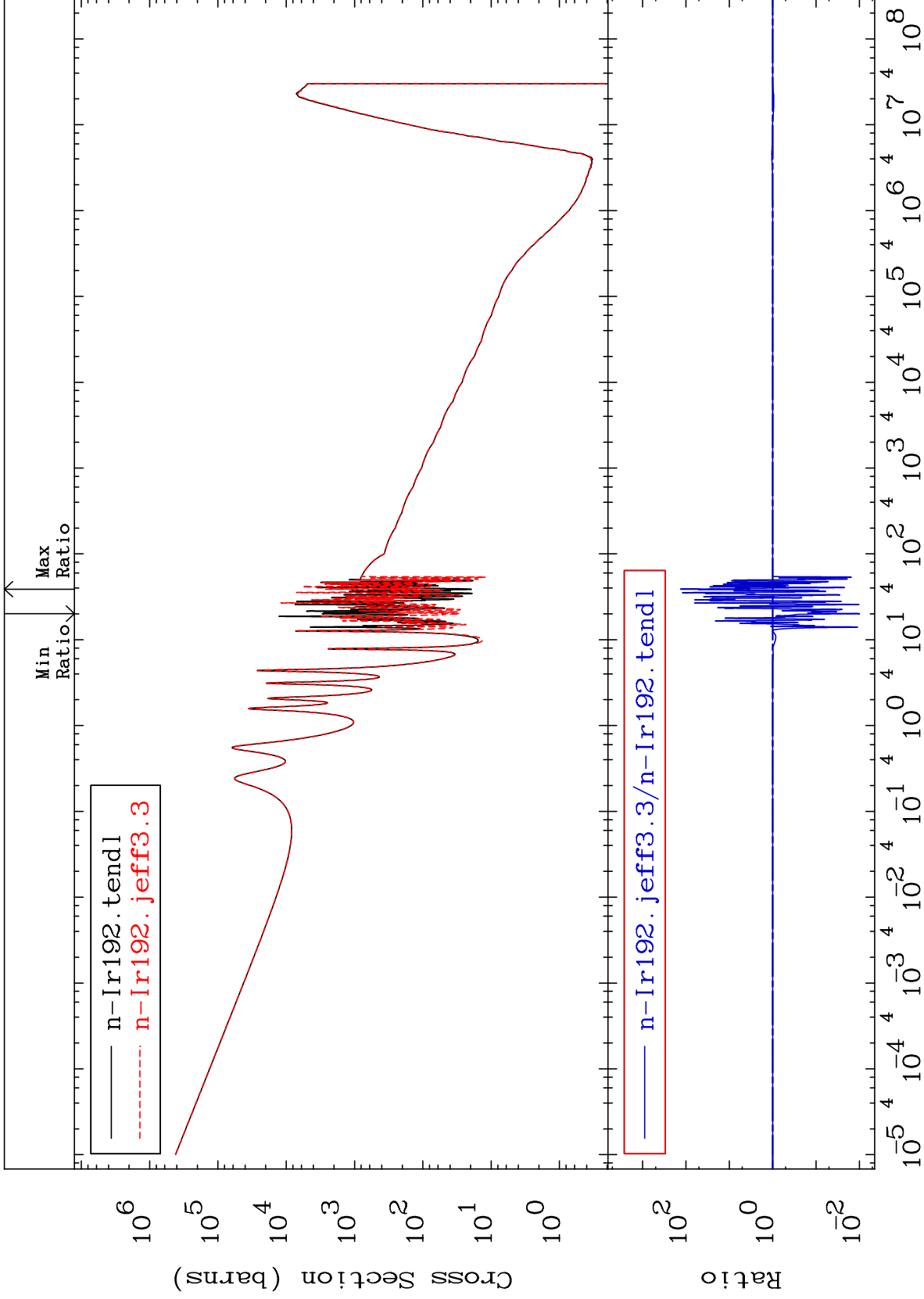












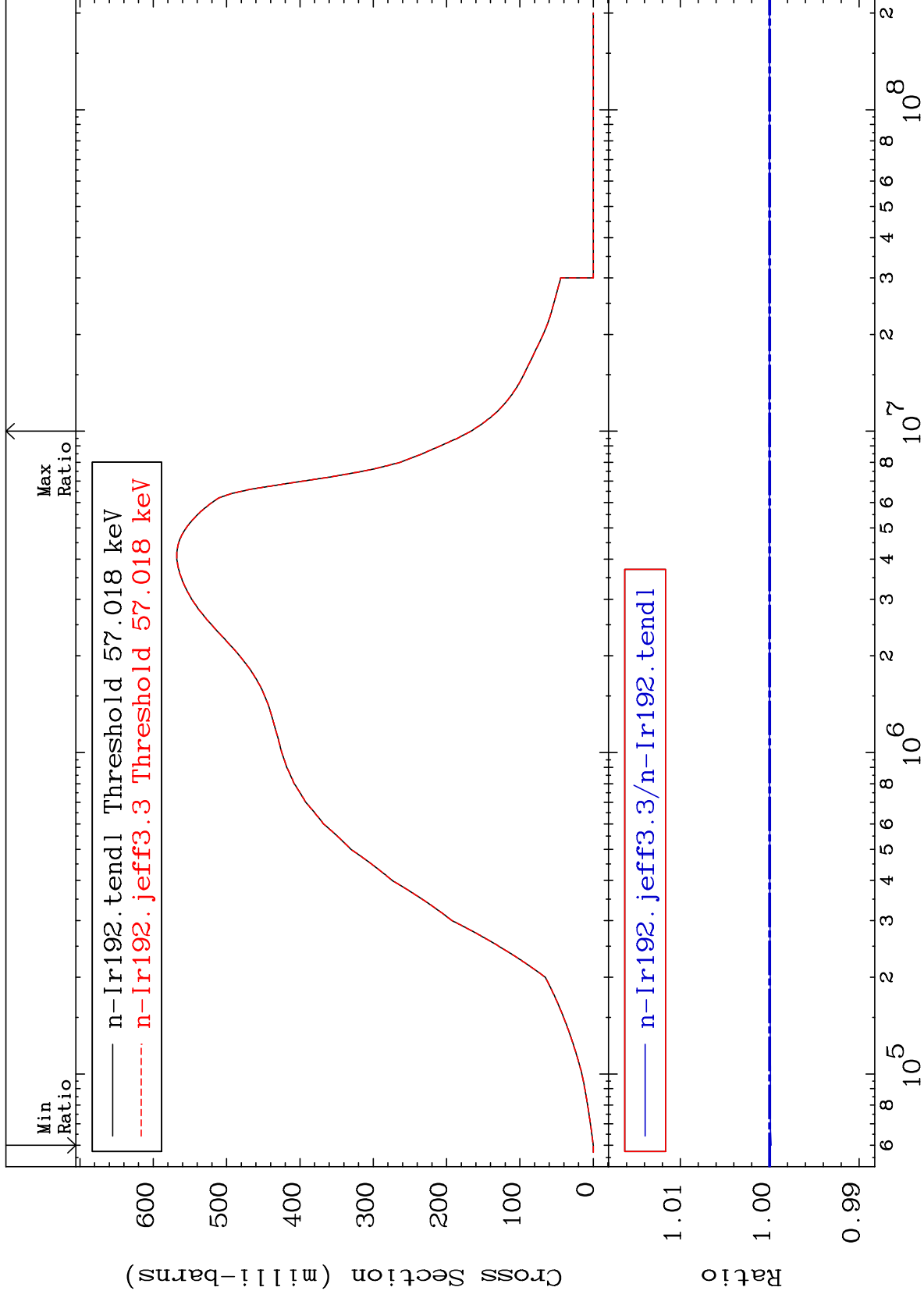
MAT 7728

Inelastic: 77-Ir-192m3

77-Ir-192

Radionuclide Production Cross Section

-0.016 To 0.004 %

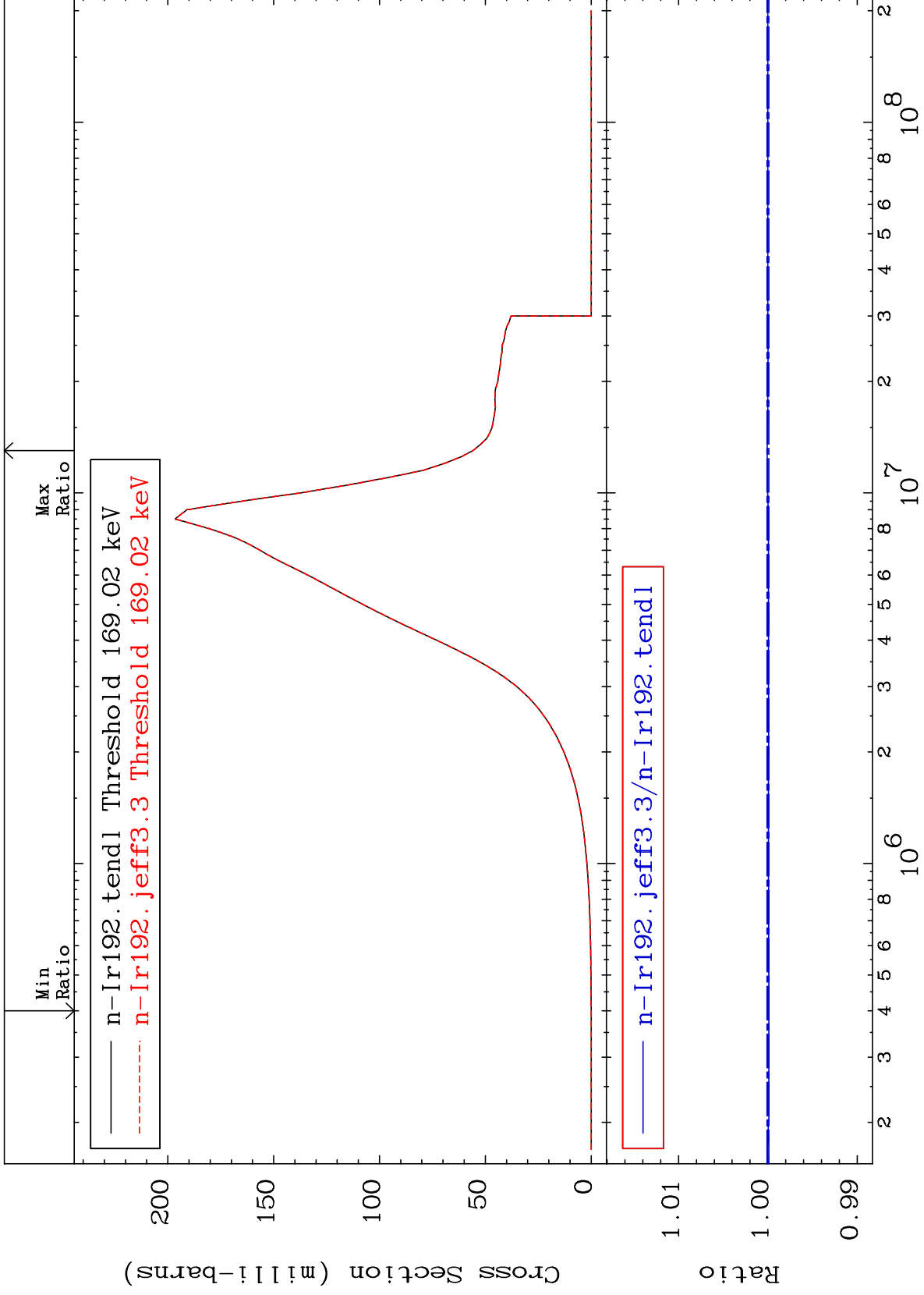


MAT 7728

Inelastic: 77-Ir-192m15

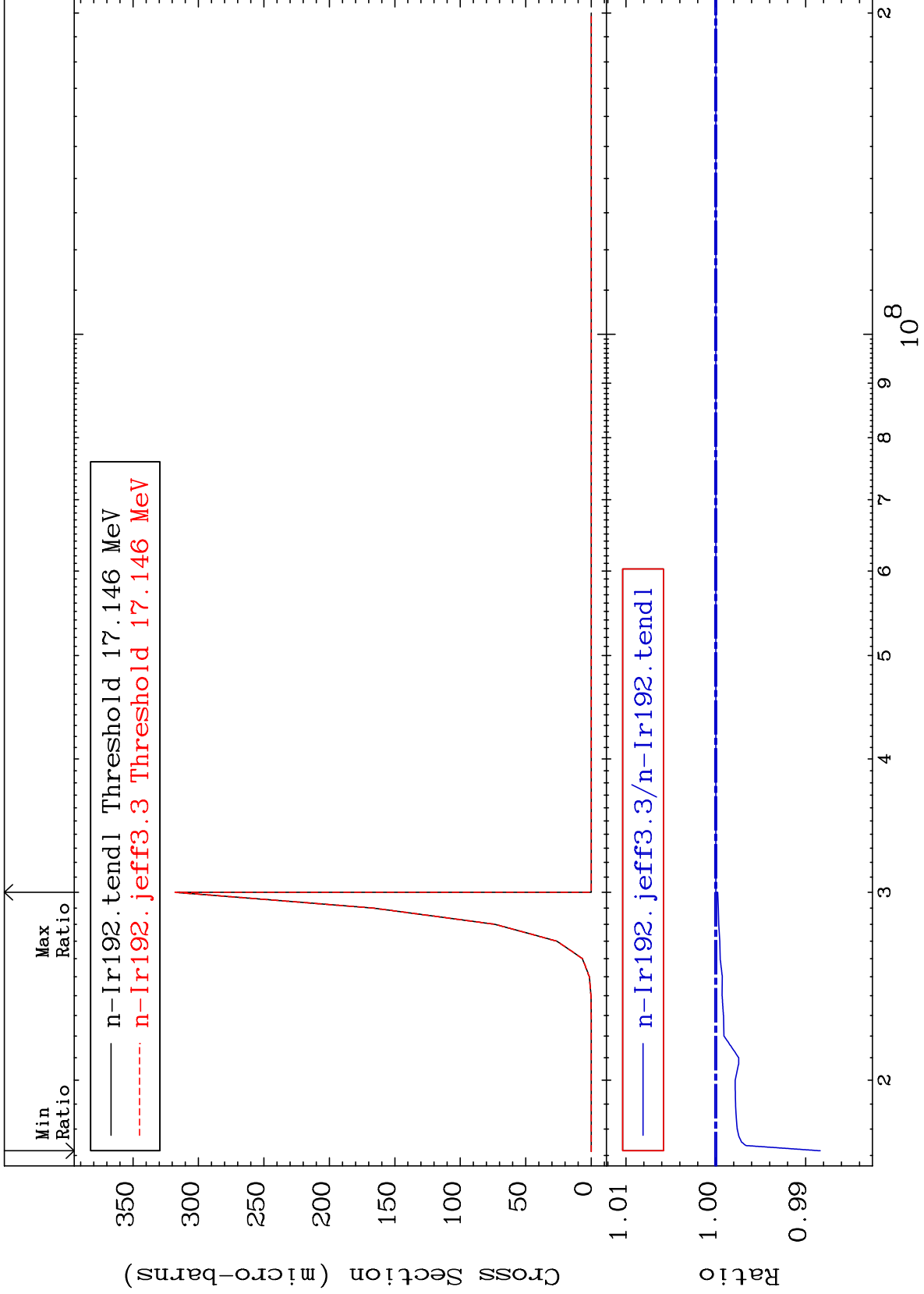
77-Ir-192

Radionuclide Production Cross Section -0.011 To 0.009 %

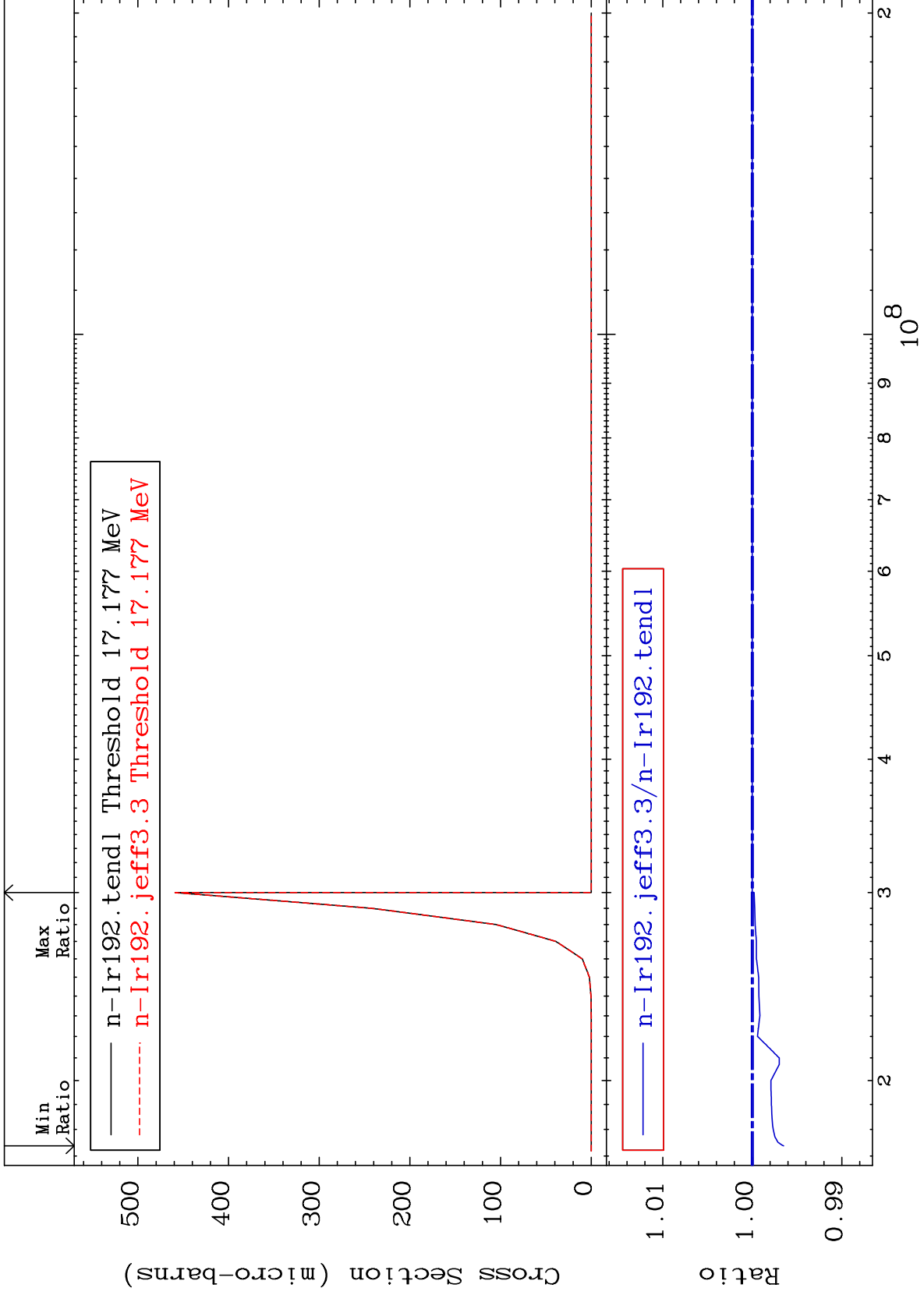


61

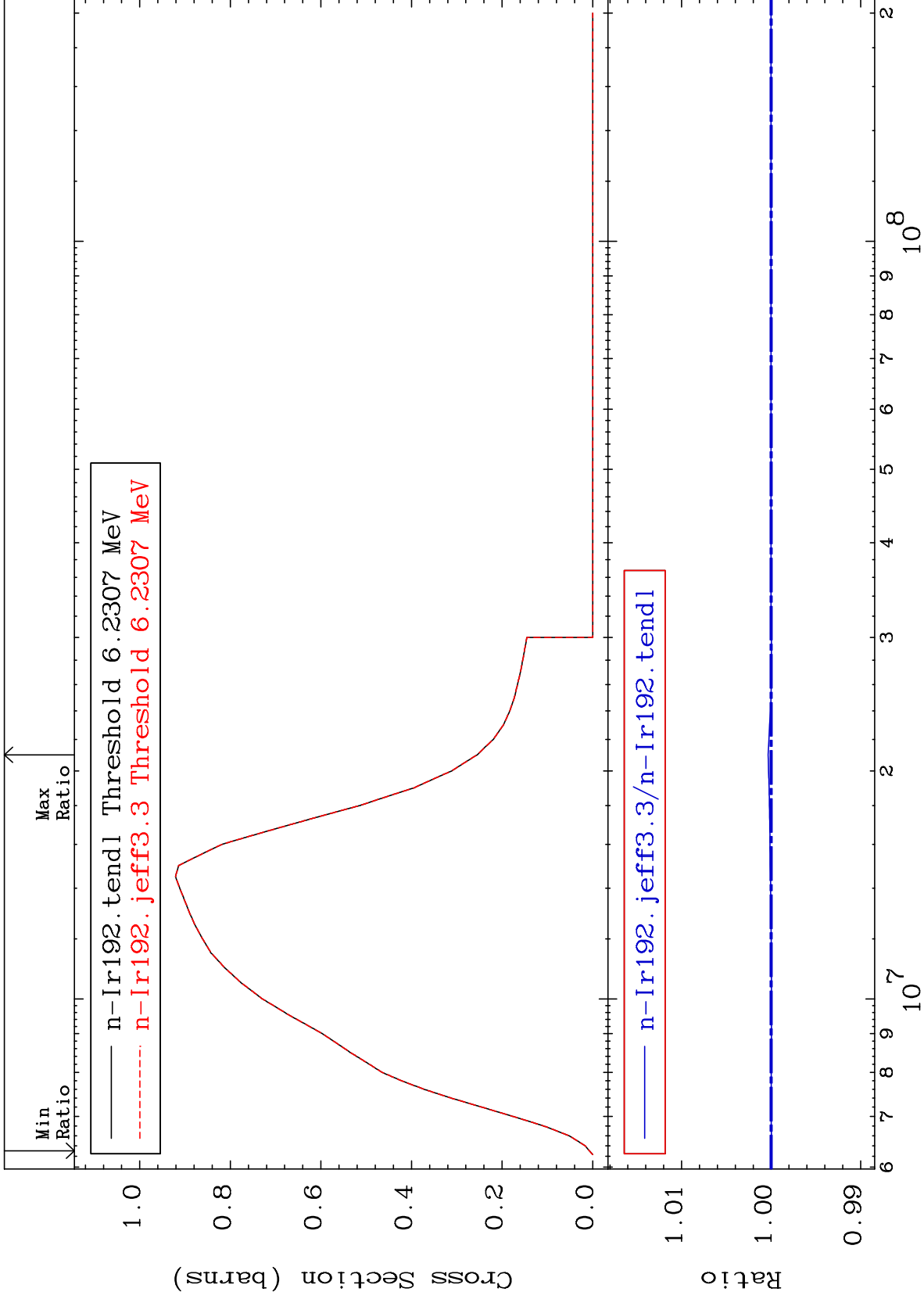
77-Ir-192



Radionuclide Production Cross Section -0.350 To 0.000 %



Radionuclide Production Cross Section -0.007 To 0.034 %



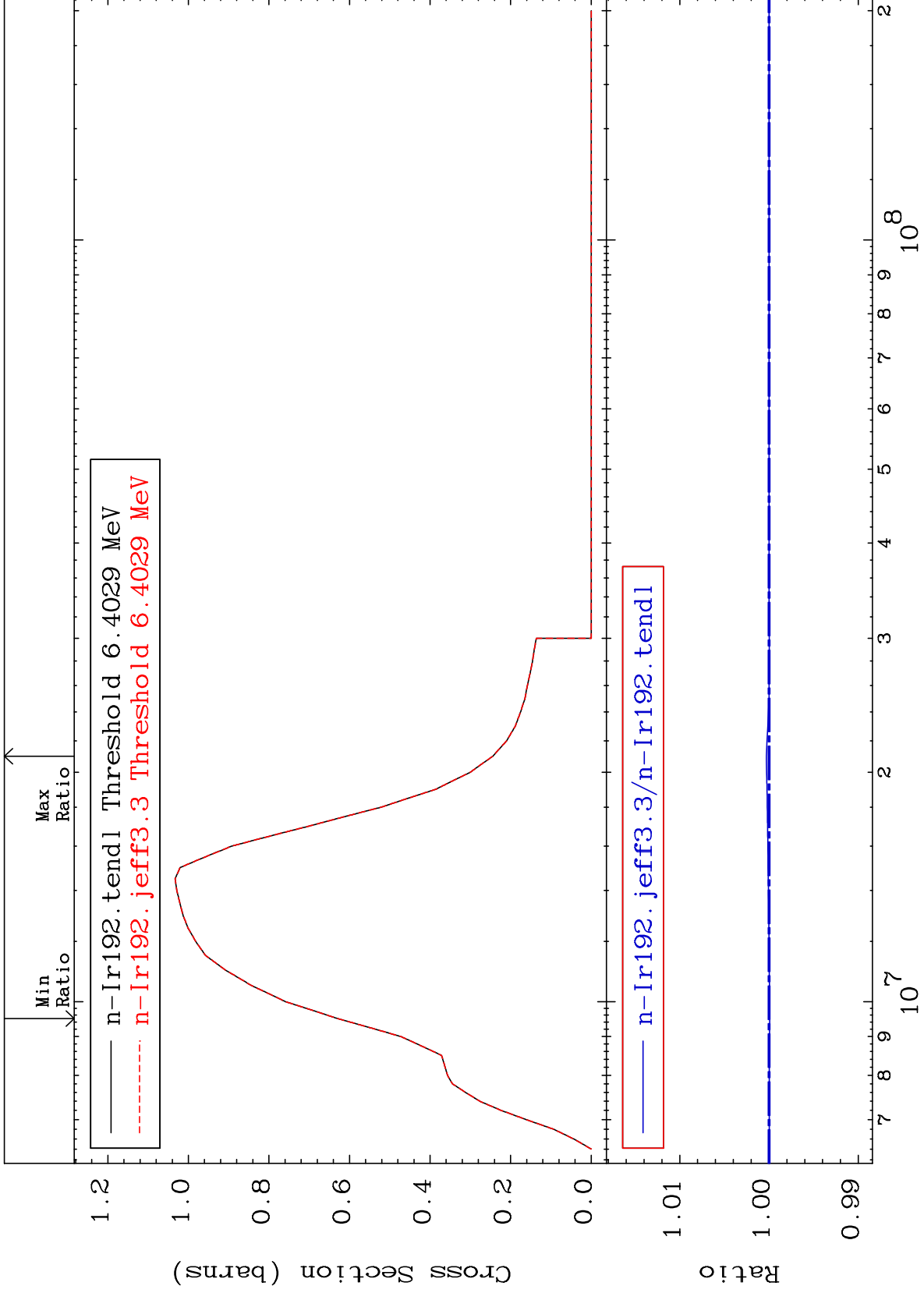


MAT 7728

(n,2n):77-Ir-191m3

77-Ir-192

Radionuclide Production Cross Section -0.006 To 0.031 %



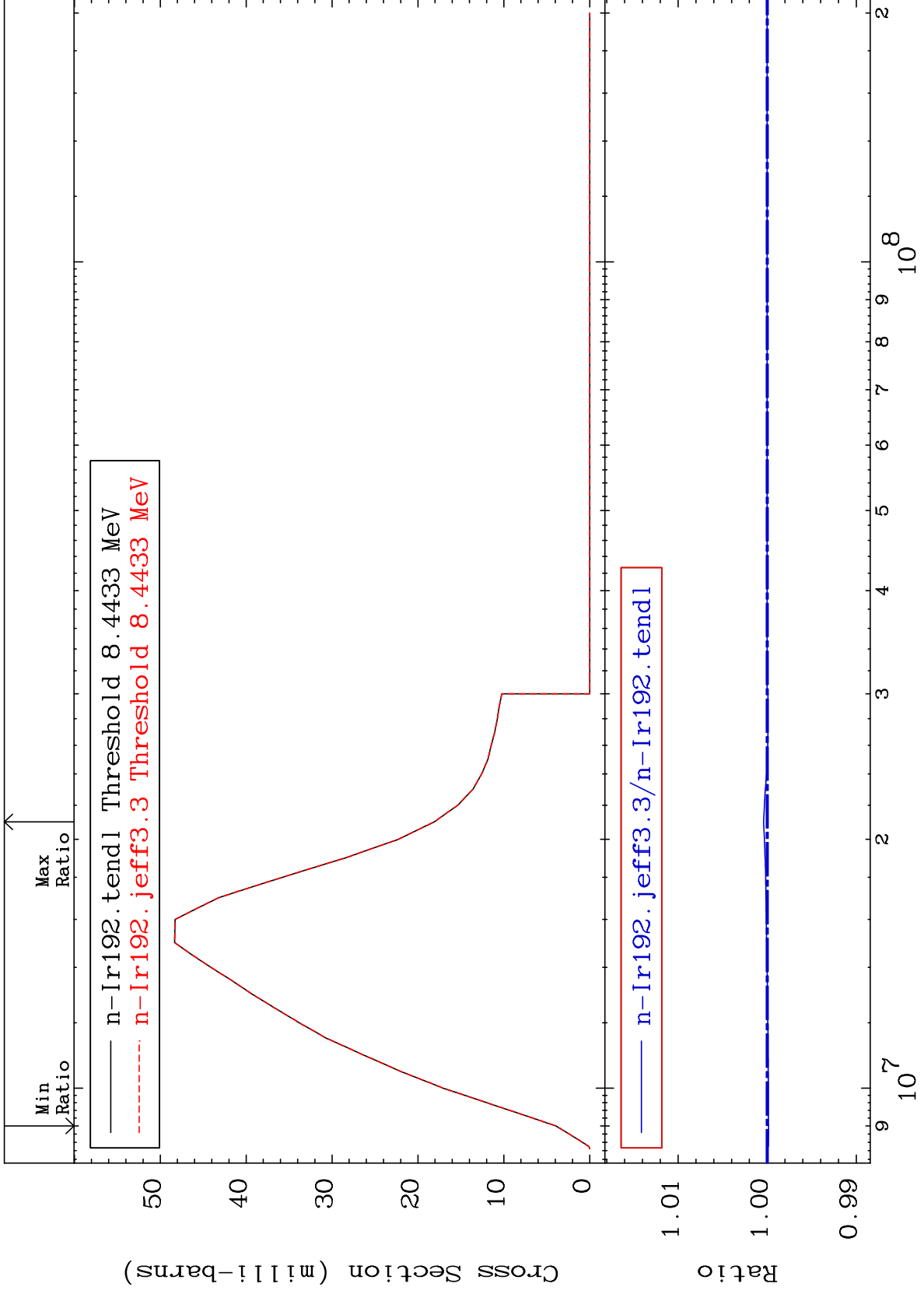
MAT 7728

(n,2n):77-Ir-191m10

77-Ir-192

Radionuclide Production Cross Section

-0.014 To 0.041 %

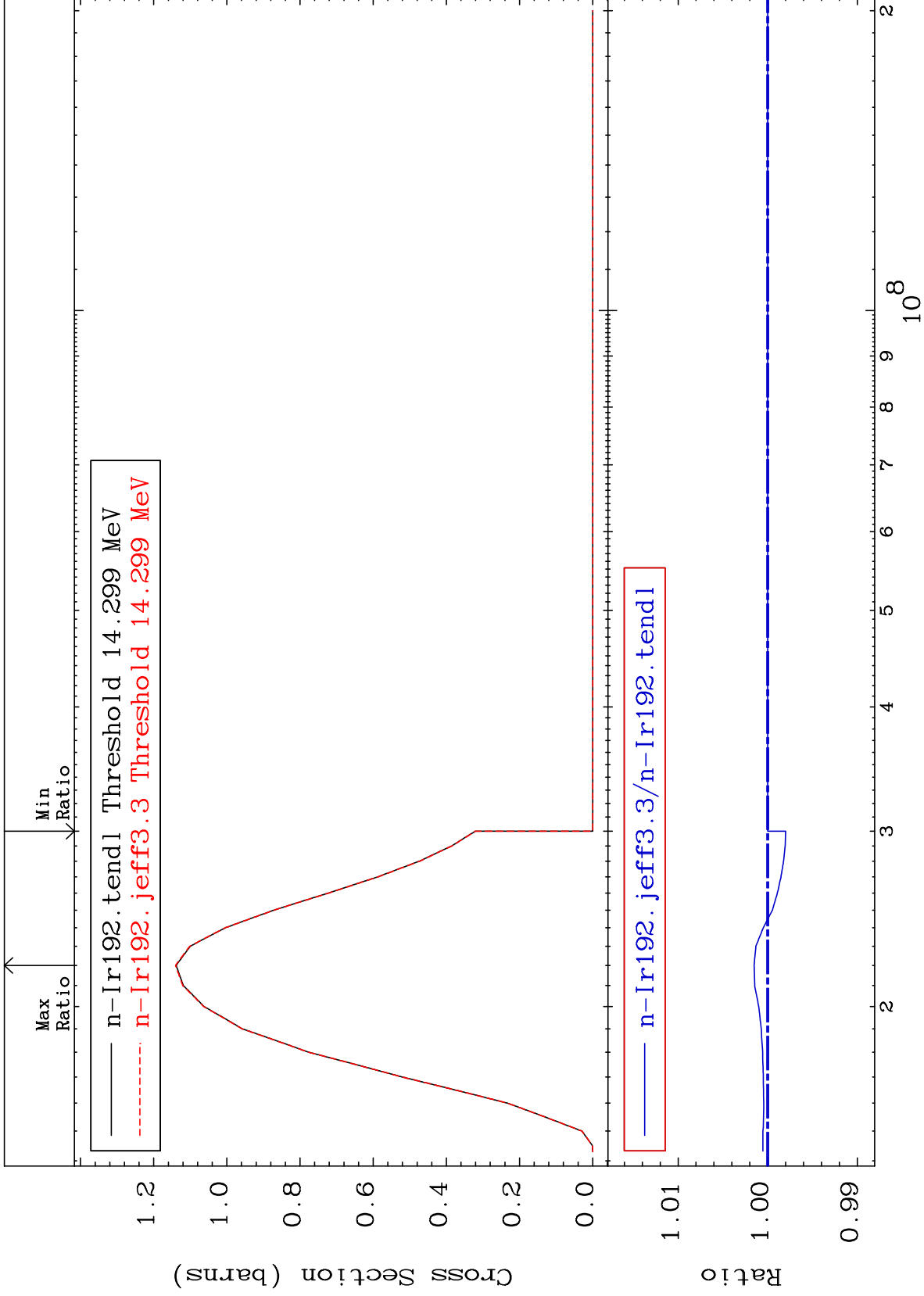


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Incident Energy (eV)

77-Ir-192

Radionuclide Production Cross Section -0.201 To 0.152 %

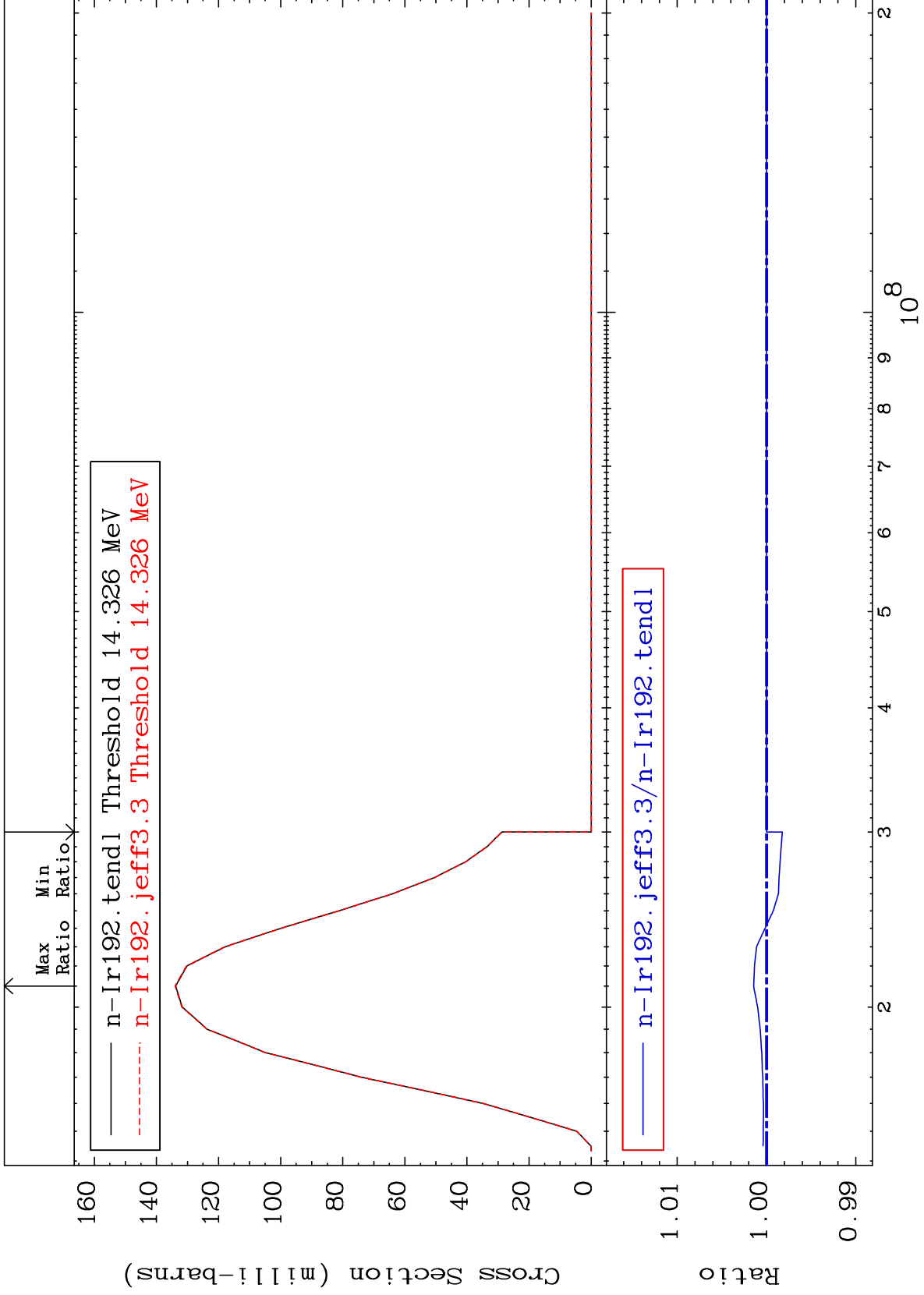


MAT 7728

(n,3n):77-Ir-190m2

77-Ir-192

Radionuclide Production Cross Section -0.176 To 0.145 %



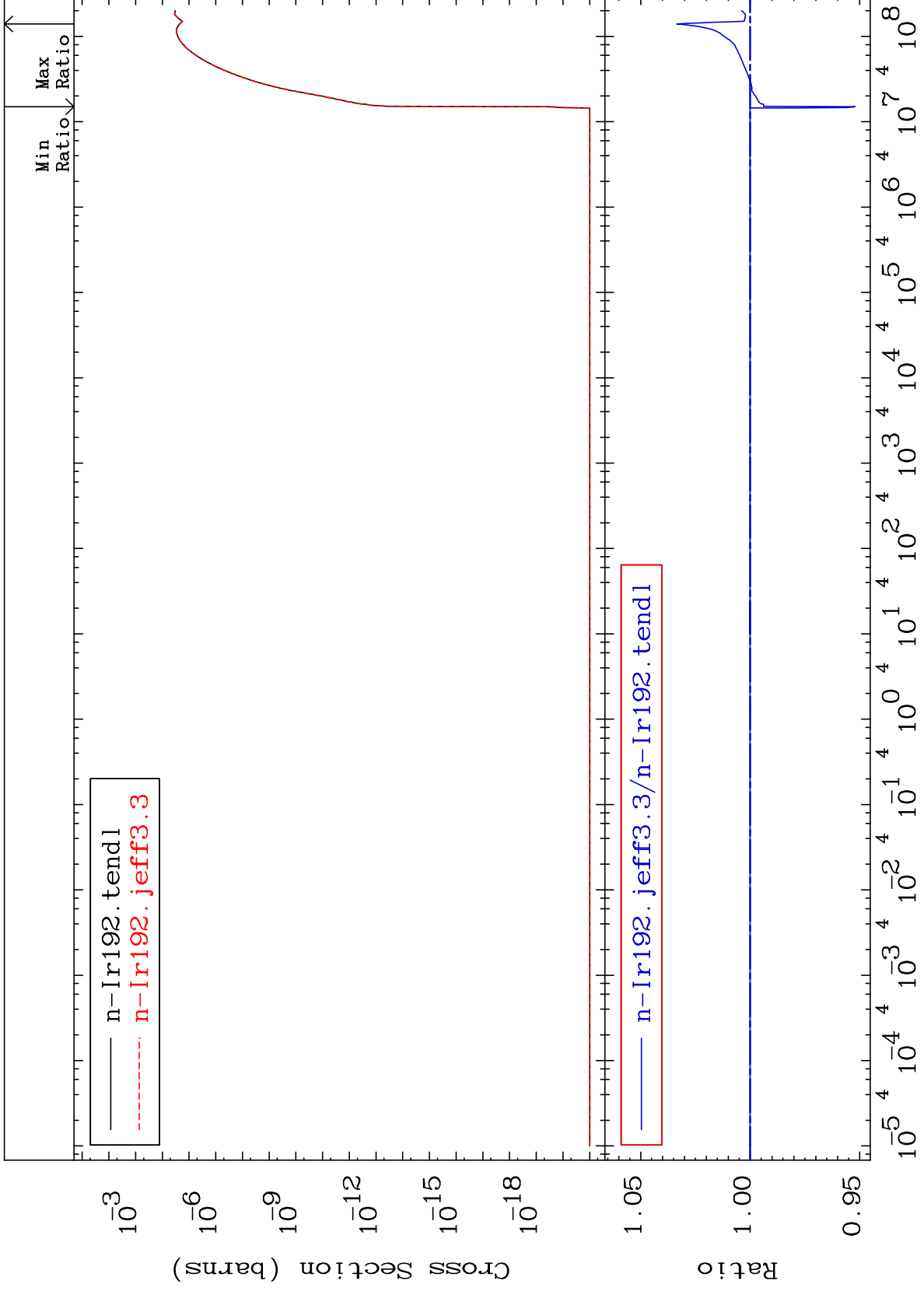
MAT 7728

Fission: Photon

77-Ir-192

Radionuclide Production Cross Section

-4.796 To 3.344 %



69

Incident Energy (eV)

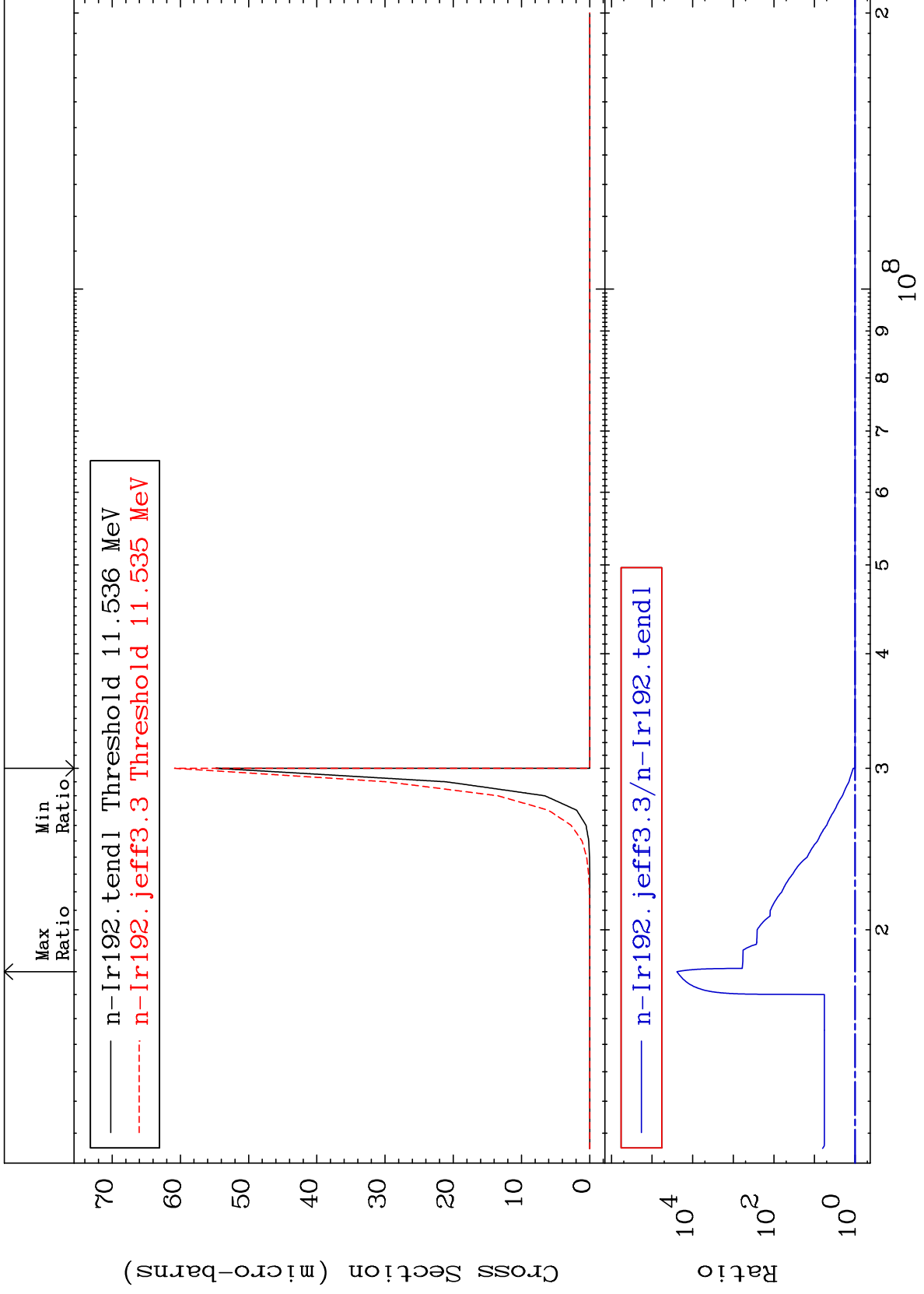
77-Ir-192

MAT 7728

(n,3n)  $\alpha$ : 75-Re-186g

77-Ir-192  
To 9999. %

Radionuclide Production Cross Section 0.000



70

Incident Energy (eV)

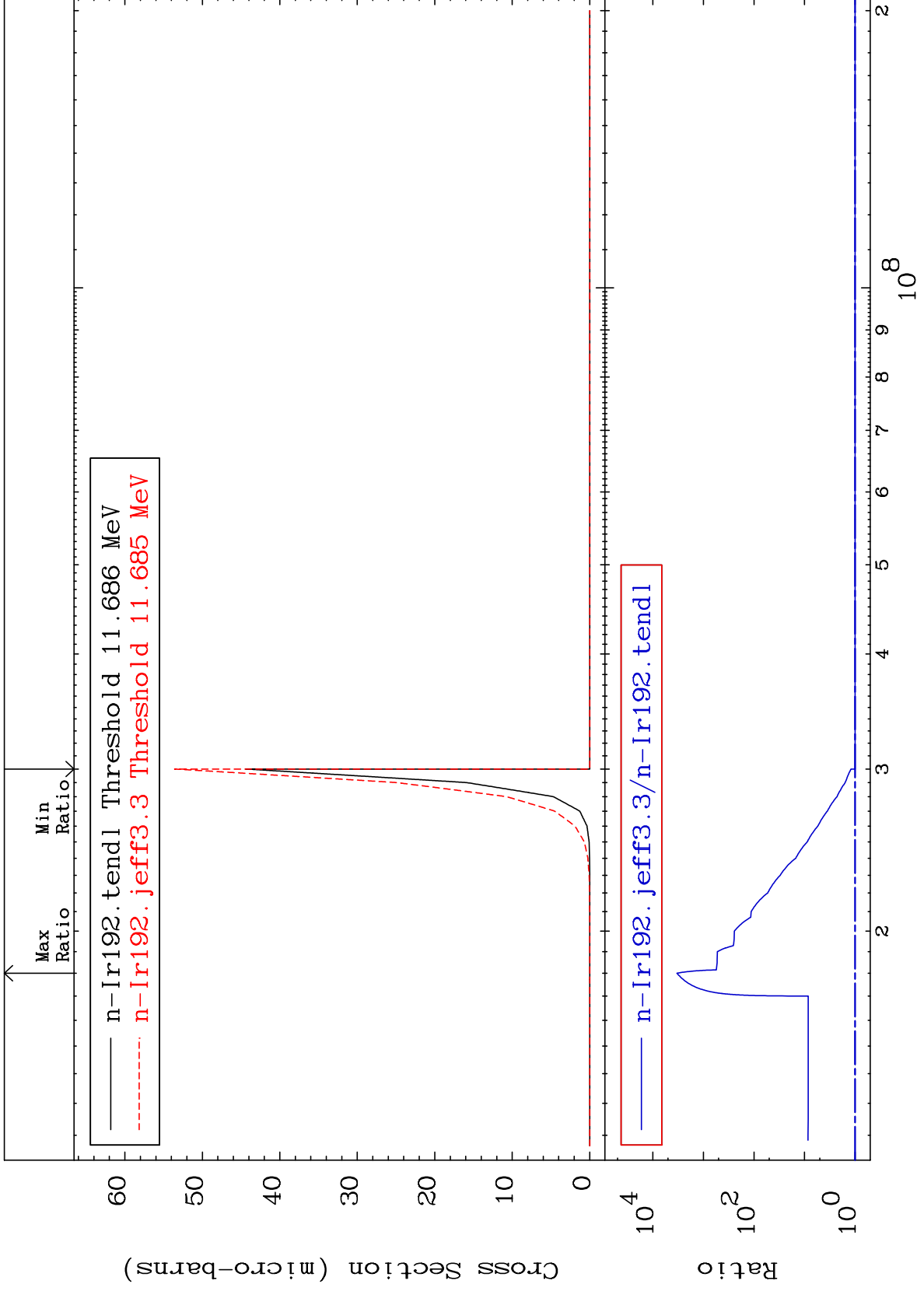
77-Ir-192

MAT 7728

(n, 3n)  $\alpha$ : 75-Re-186m4

77-Ir-192

Radionuclide Production Cross Section 0.000 To 9999. %

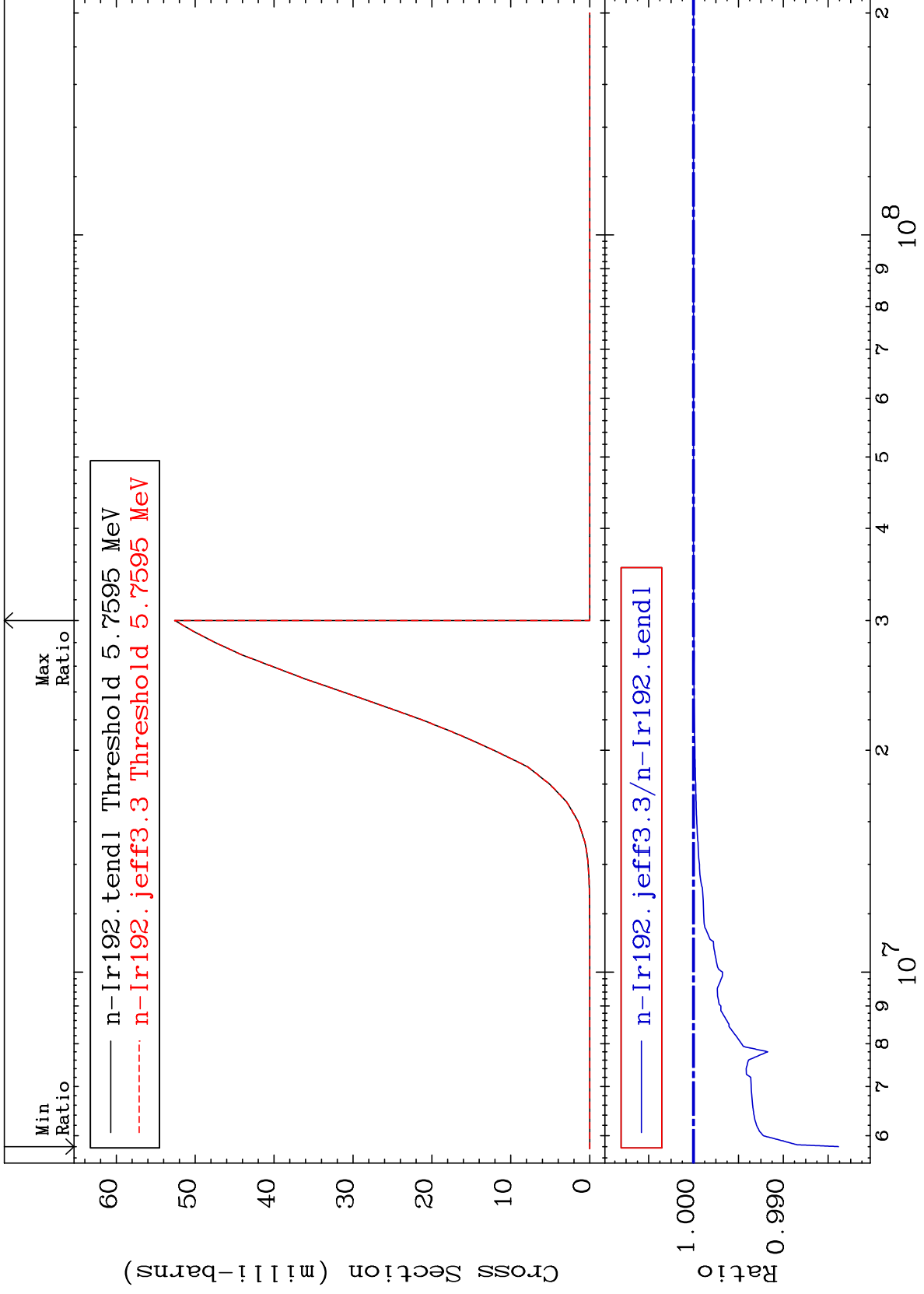


MAT 7728

(n, n') p: 76-Os-191g

77-Ir-192

Radionuclide Production Cross Section -1.615 To 0.000 %



72

Incident Energy (eV)

77-Ir-192

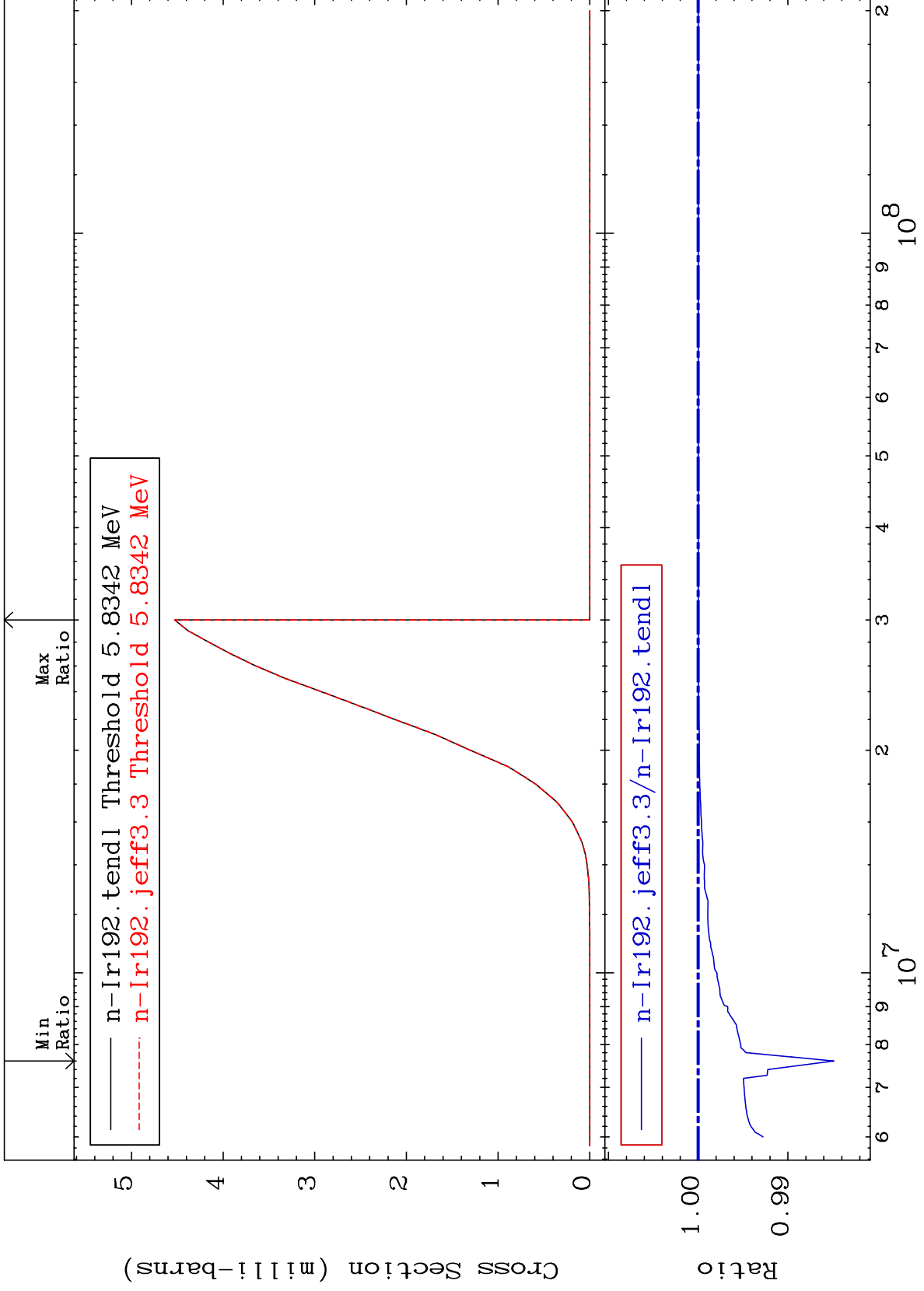


MAT 7728

(n, n') p:76-0s-191m1

77-Ir-192

Radionuclide Production Cross Section -1.512 To 0.000 %



73

Incident Energy (eV)

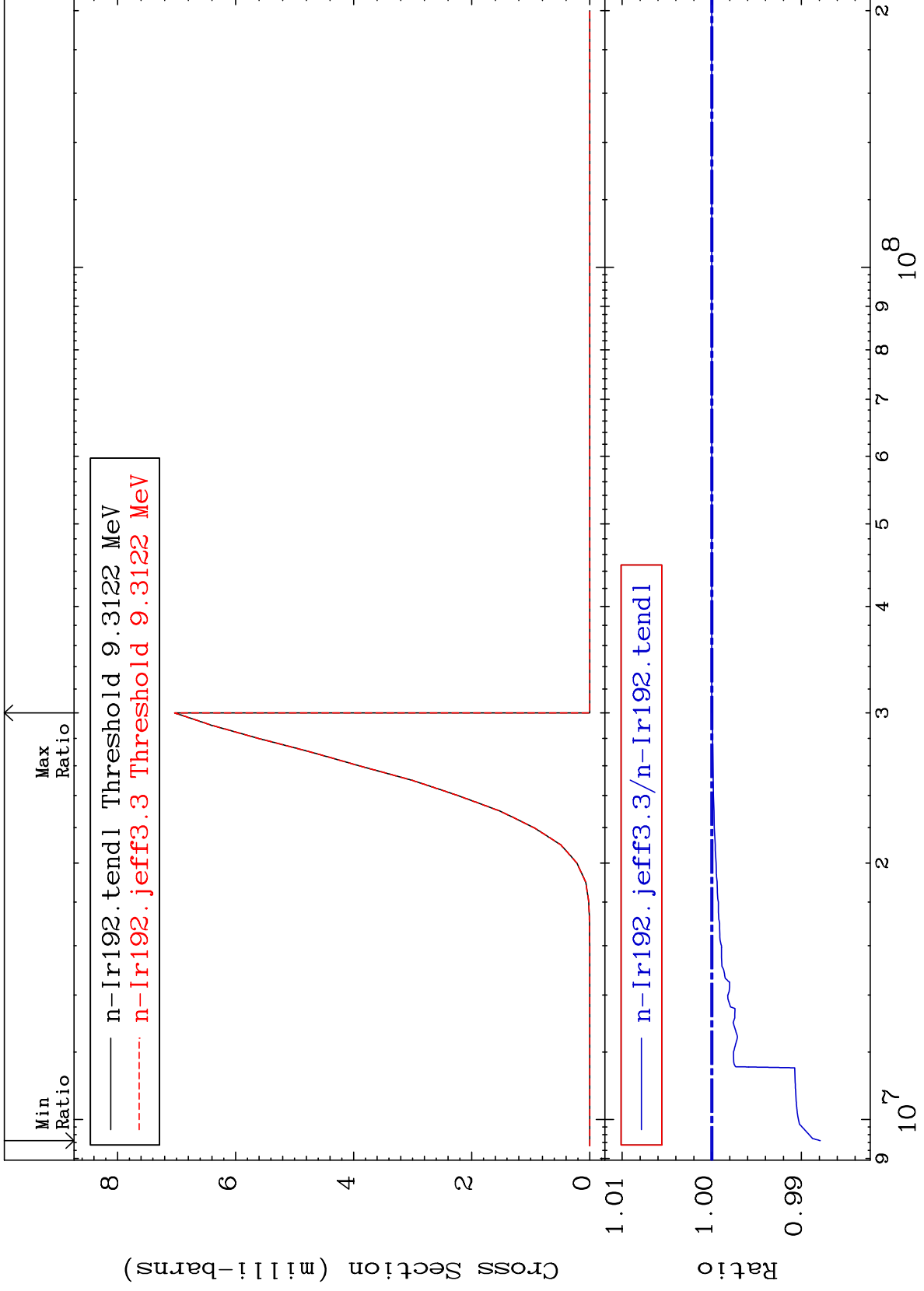
77-Ir-192

MAT 7728

(n, n') d: 76-Os-190g

77-Ir-192

Radionuclide Production Cross Section -1.210 To 0.000 %

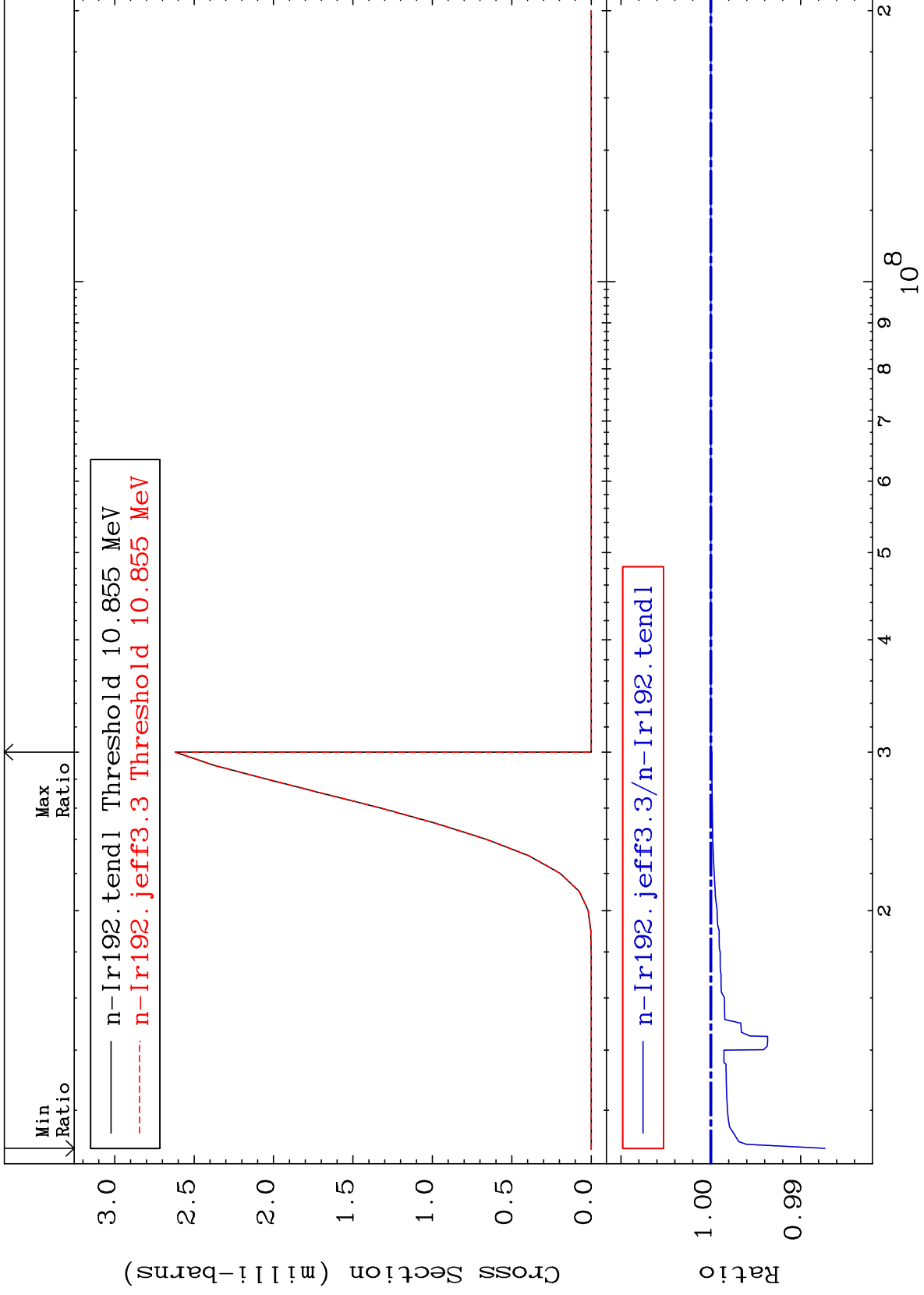


74

Incident Energy (eV)

77-Ir-192

Radionuclide Production Cross Section -1.271 To 0.000 %

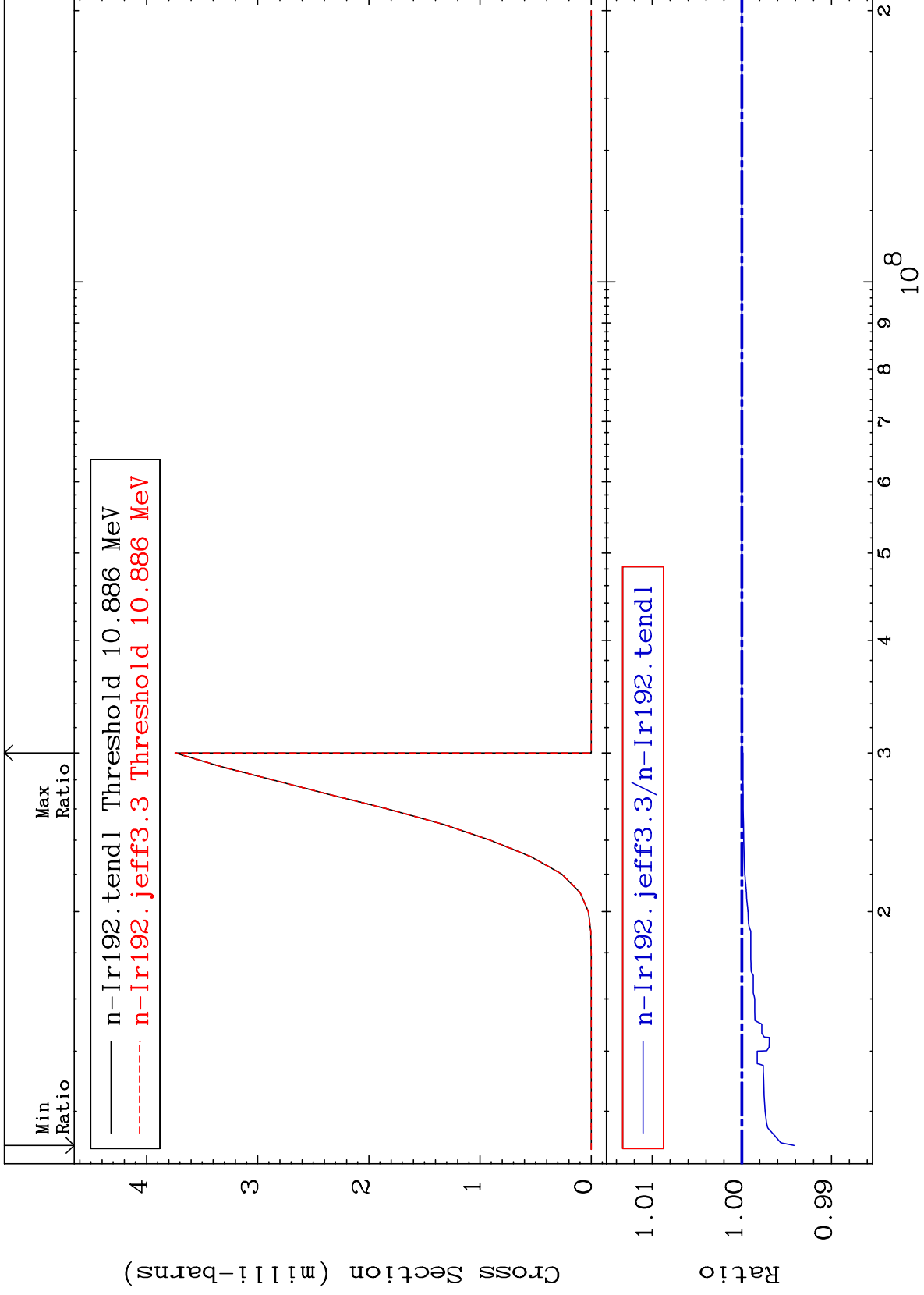


MAT 7728

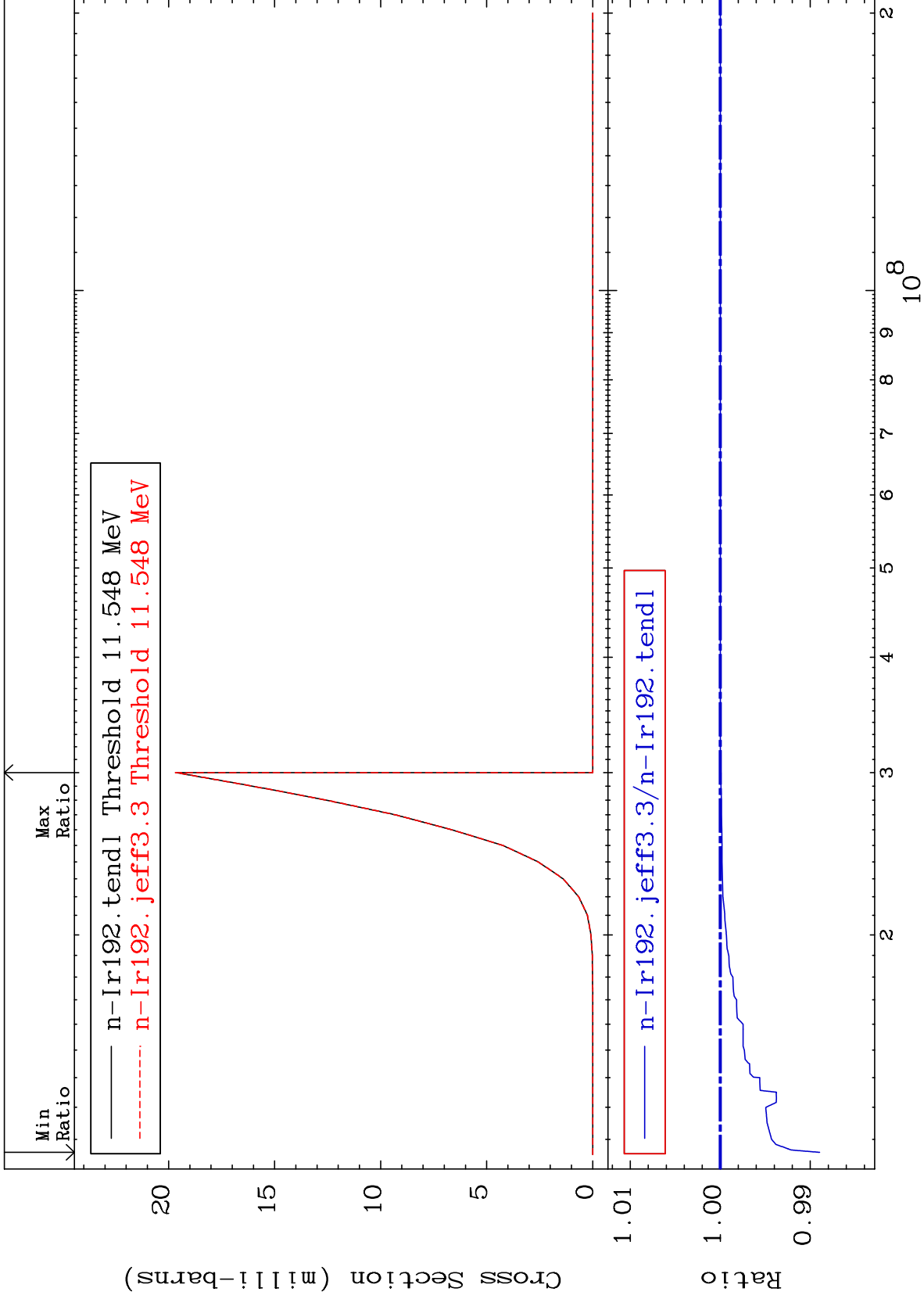
(n,n') t:76-0s-189m1

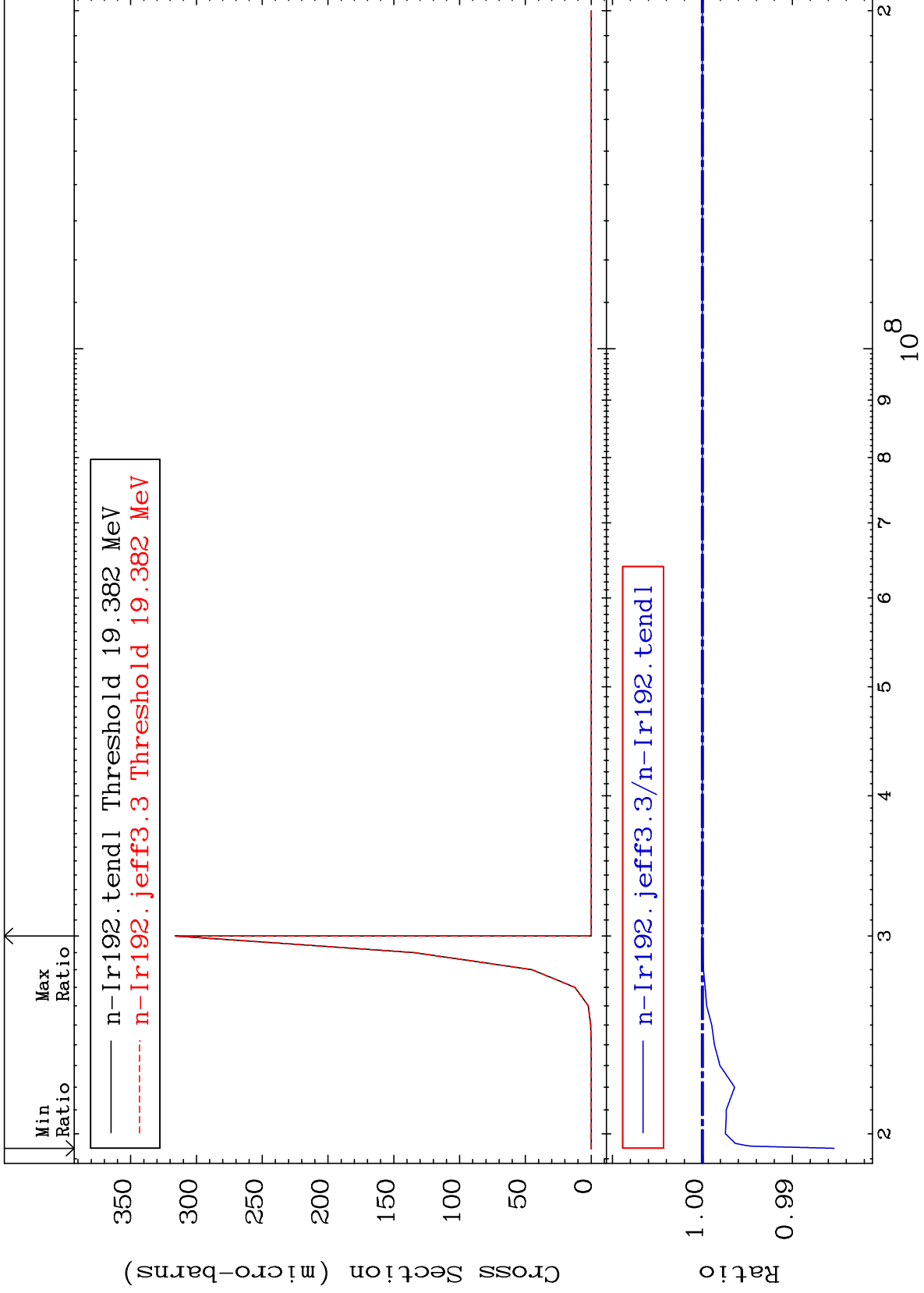
77-Ir-192

Radionuclide Production Cross Section -0.583 To 0.000 %



Radionuclide Production Cross Section -1.102 To 0.000 %





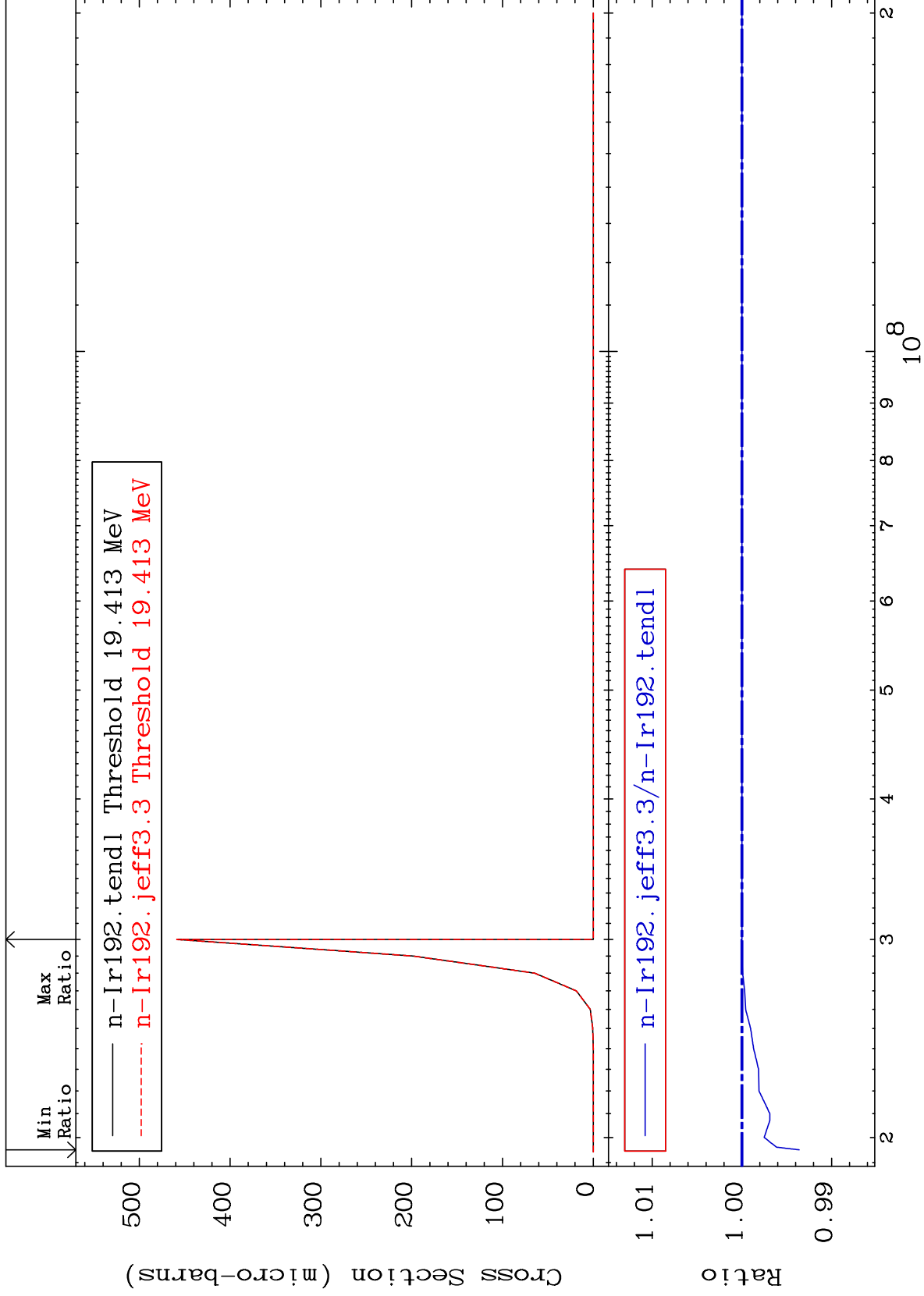
MAT 7728

(n,3n) p:76-0s-189m1

77-Ir-192

Radionuclide Production Cross Section

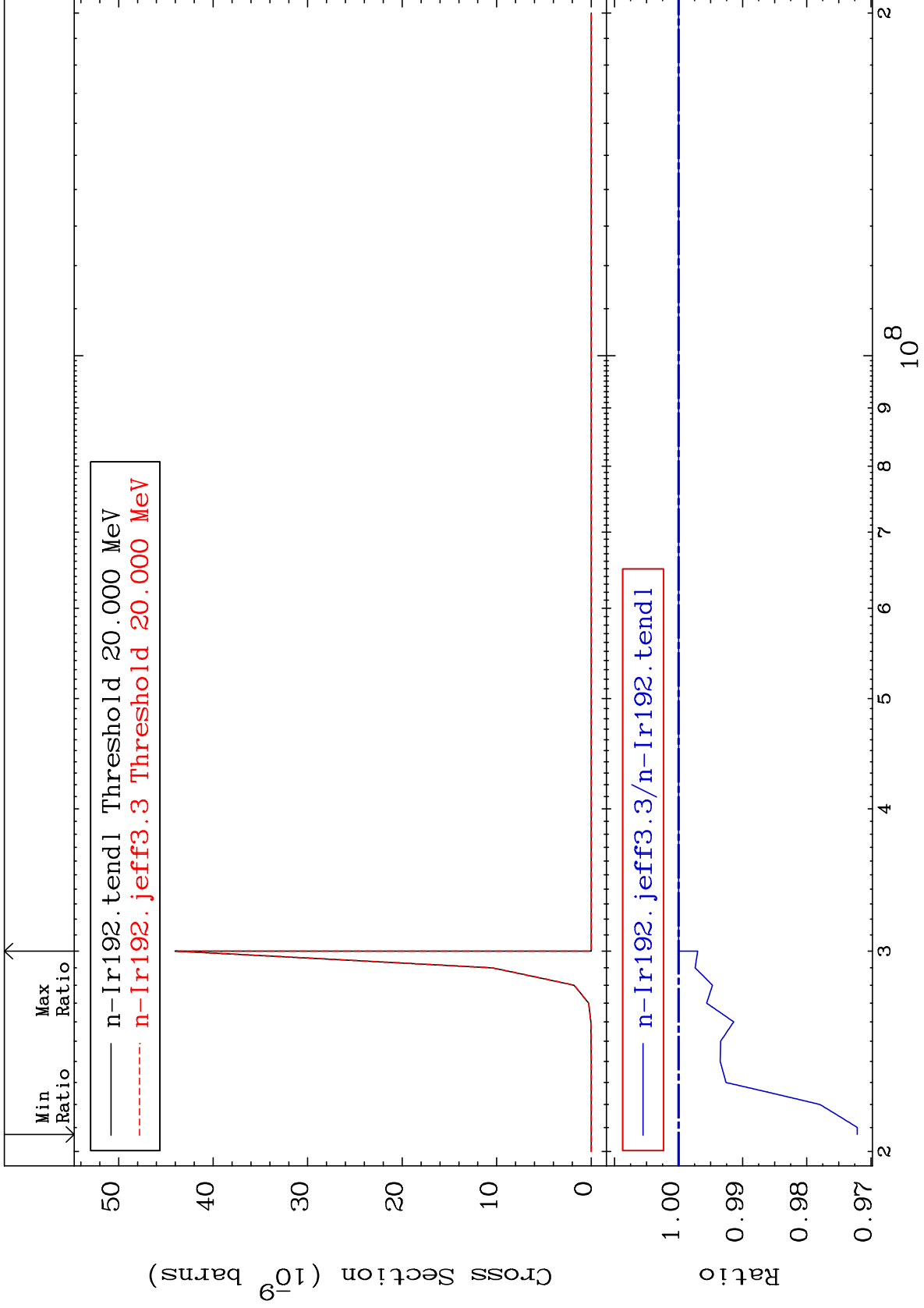
-0.638 To 0.008 %



79

Incident Energy (eV)

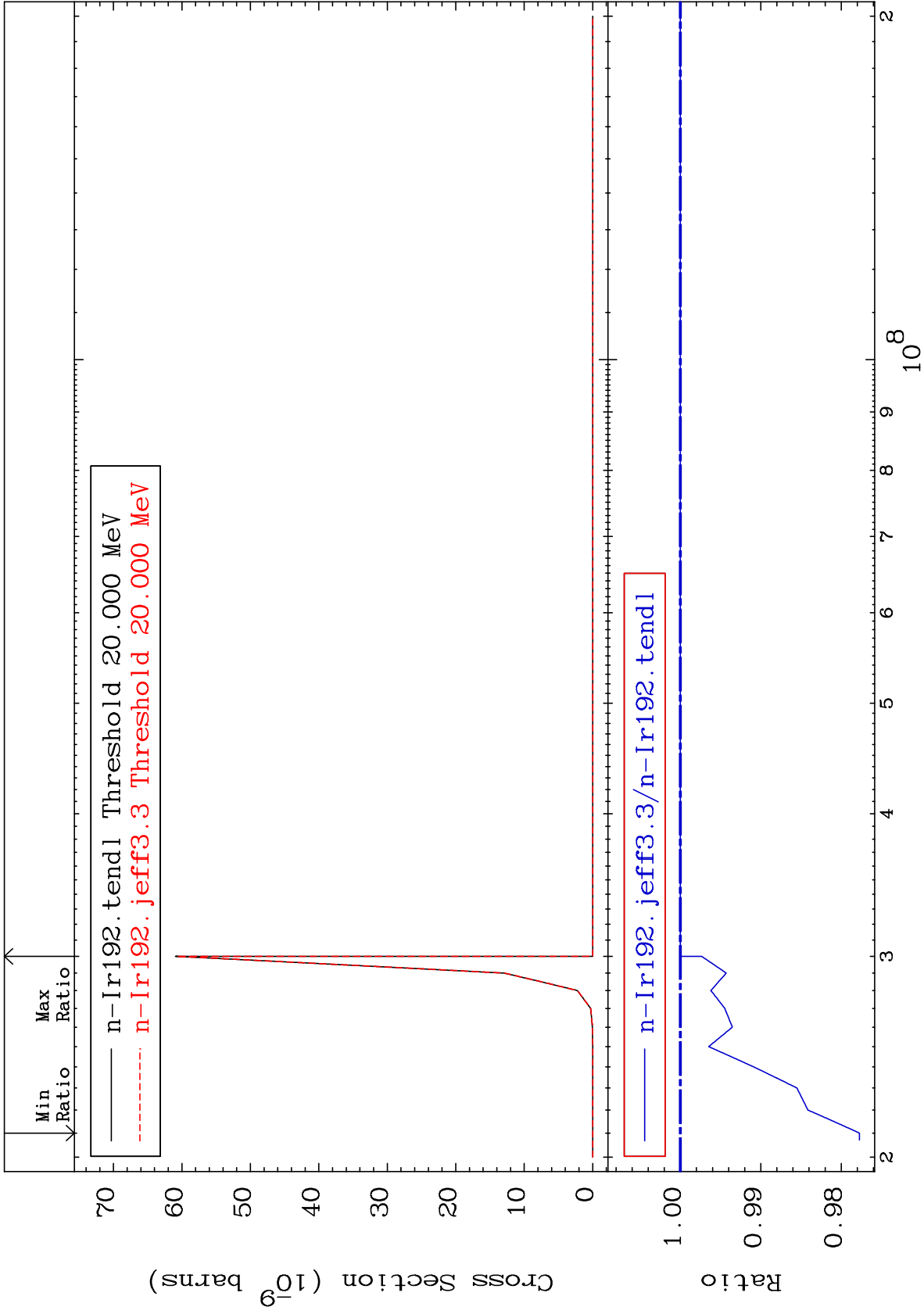
77-Ir-192





Radionuclide Production Cross Section

-2.226 To 0.000 %

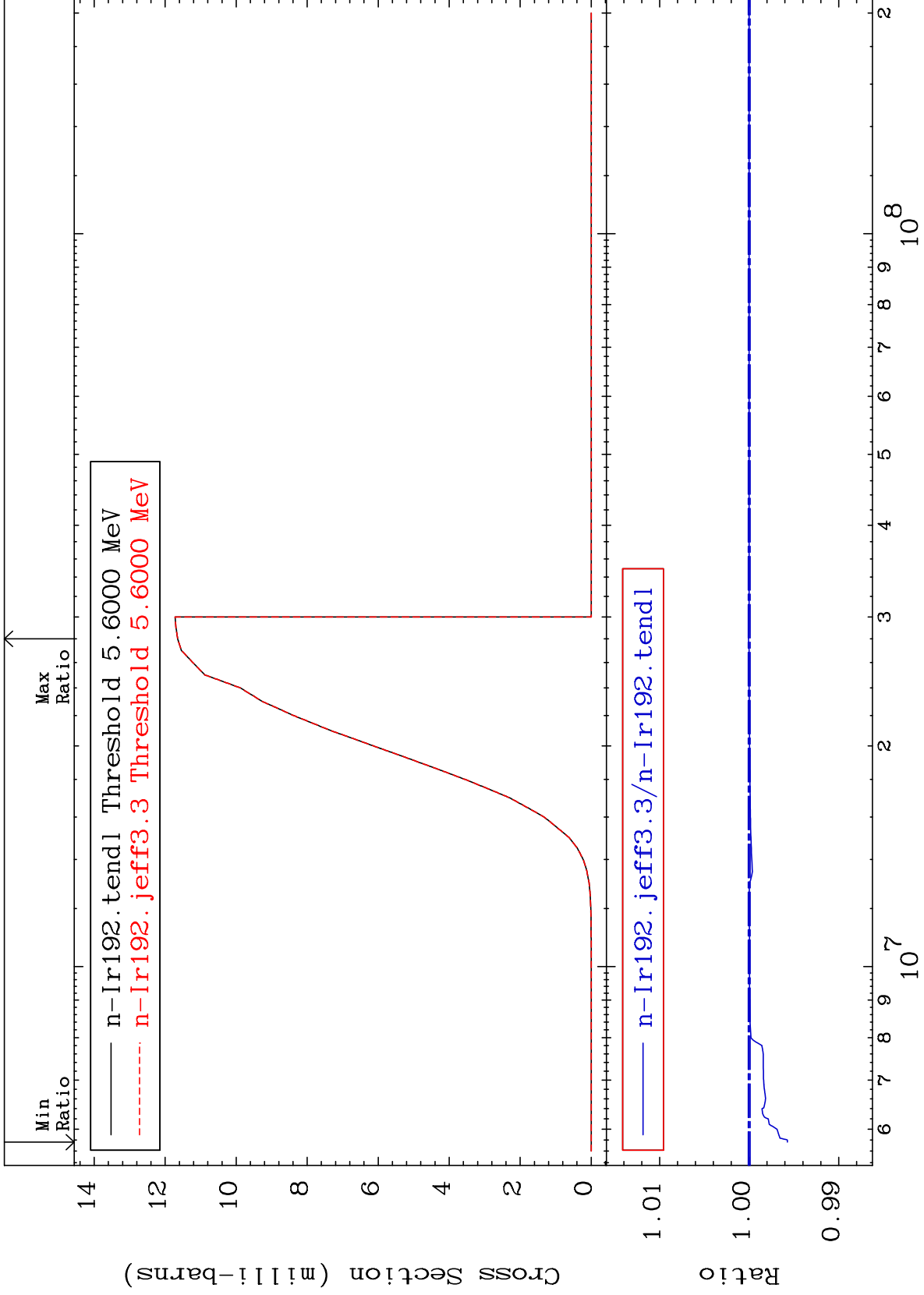


MAT 7728

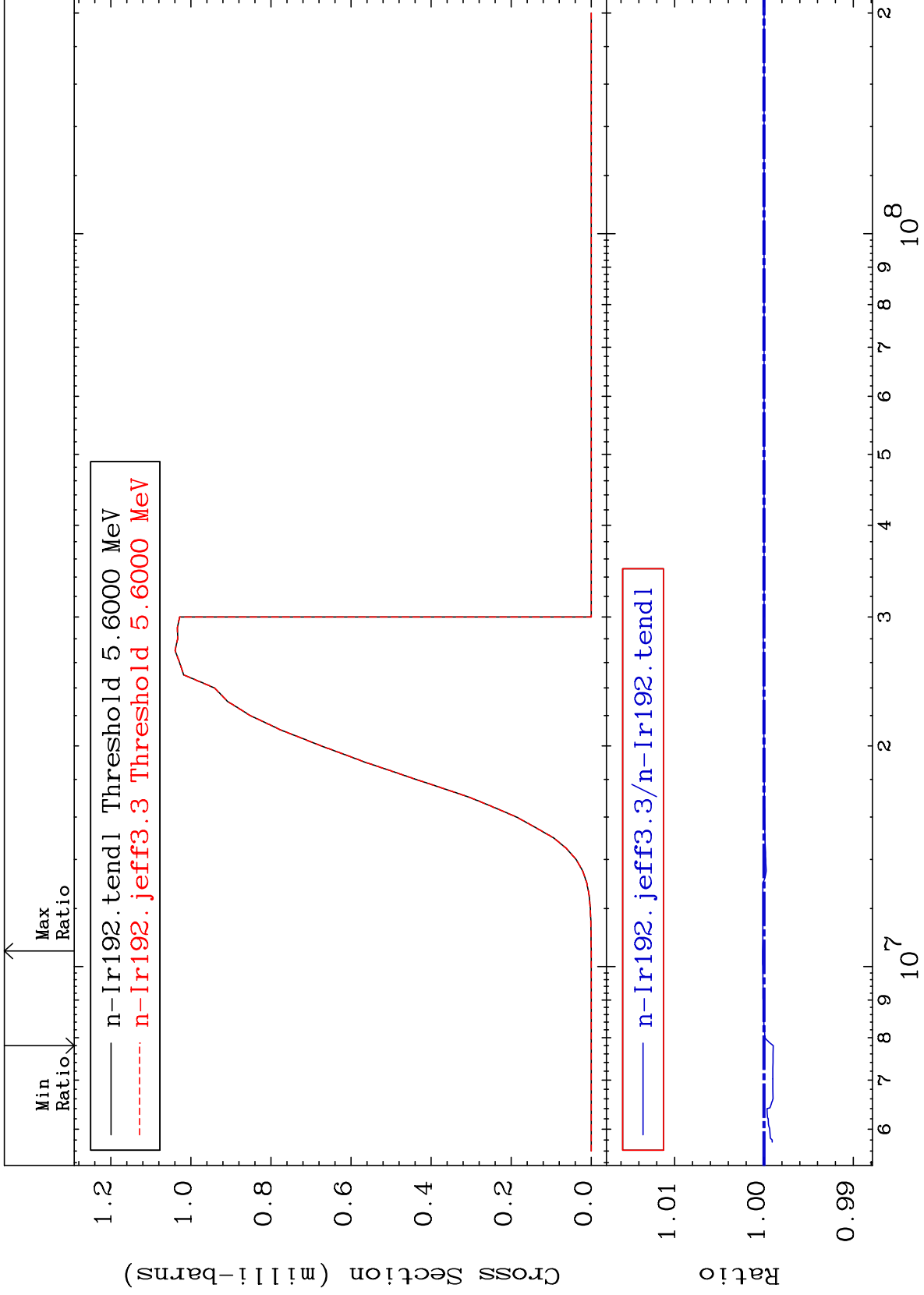
(n, d):76-0s-191g

77-Ir-192

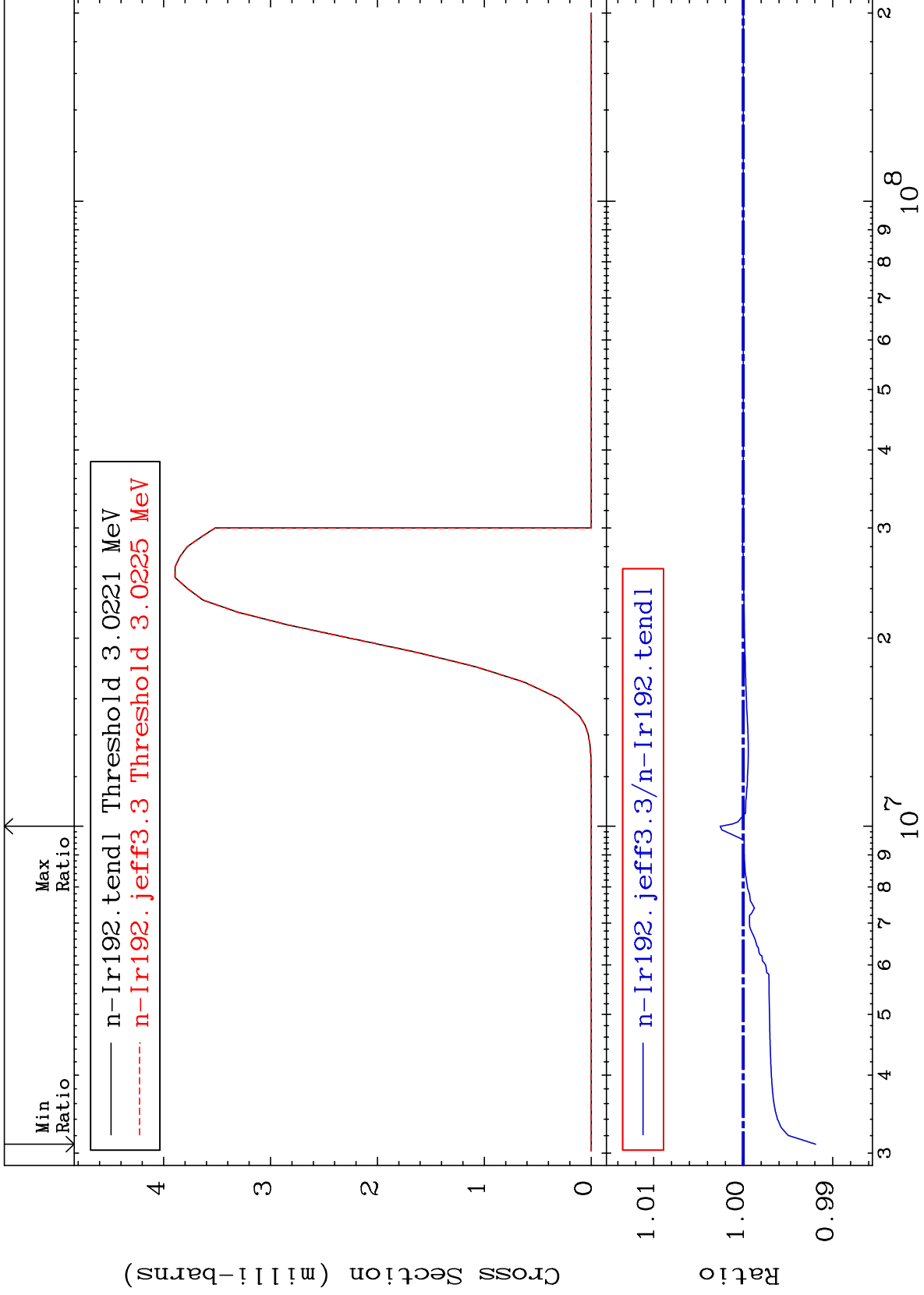
Radionuclide Production Cross Section -0.427 To 0.007 %

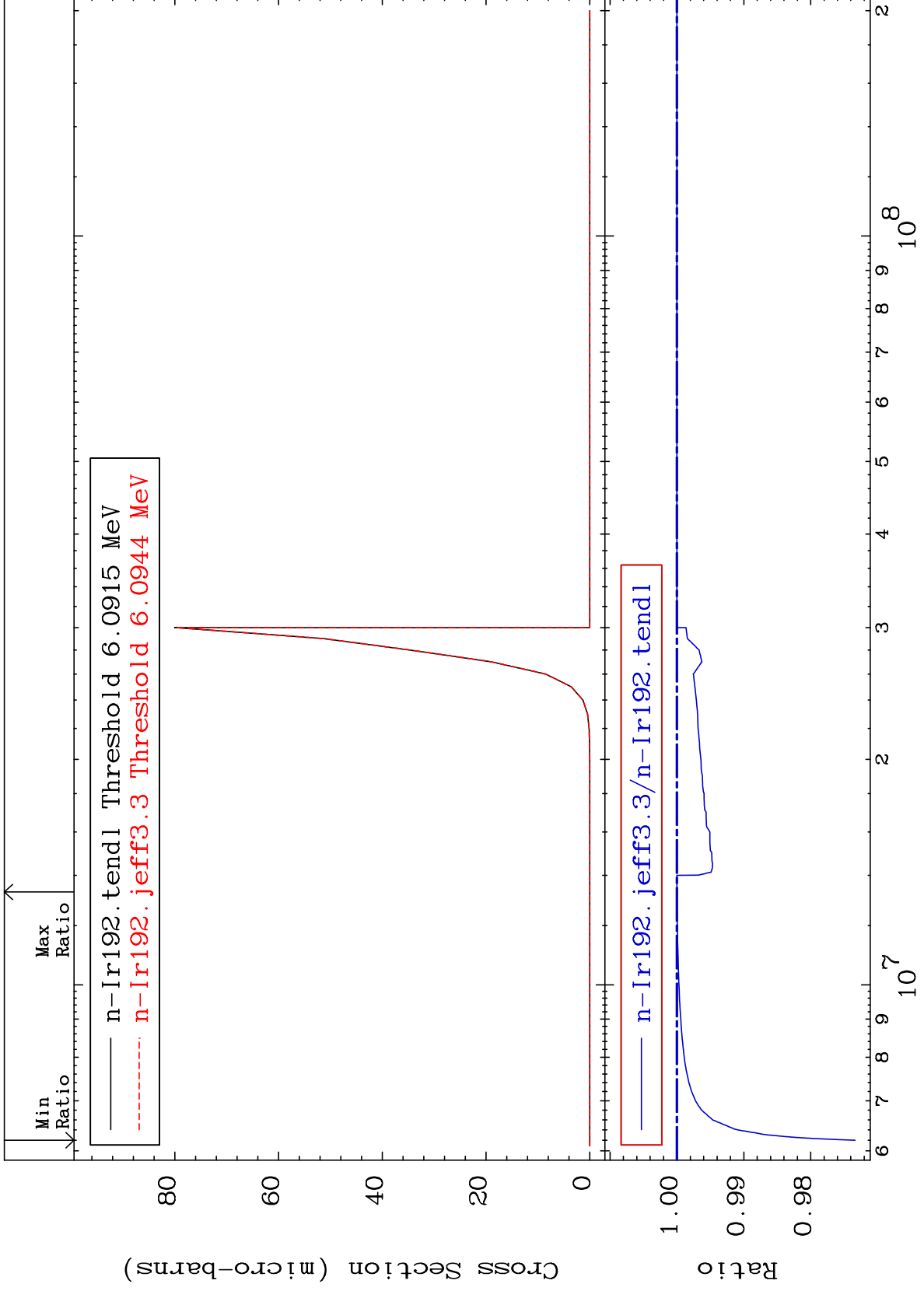


Radionuclide Production Cross Section -0.103 To 0.015 %



Radionuclide Production Cross Section -0.809 To 0.257 %





Radionuclide Production Cross Section -2.962 To 0.000 %

