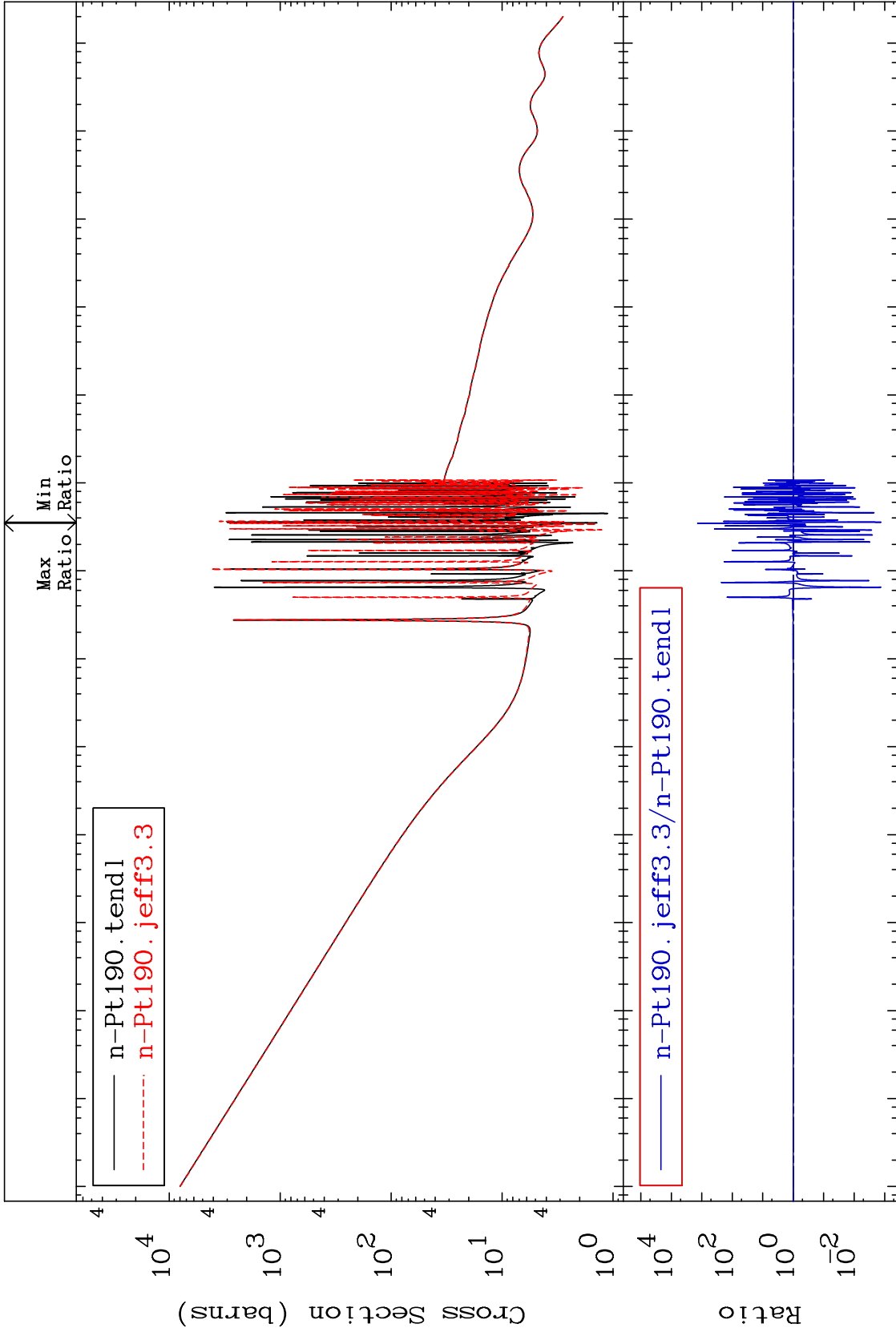


MAT 7825

Total  
Cross Section

78-Pt-190  
-99.87 To 9999. %

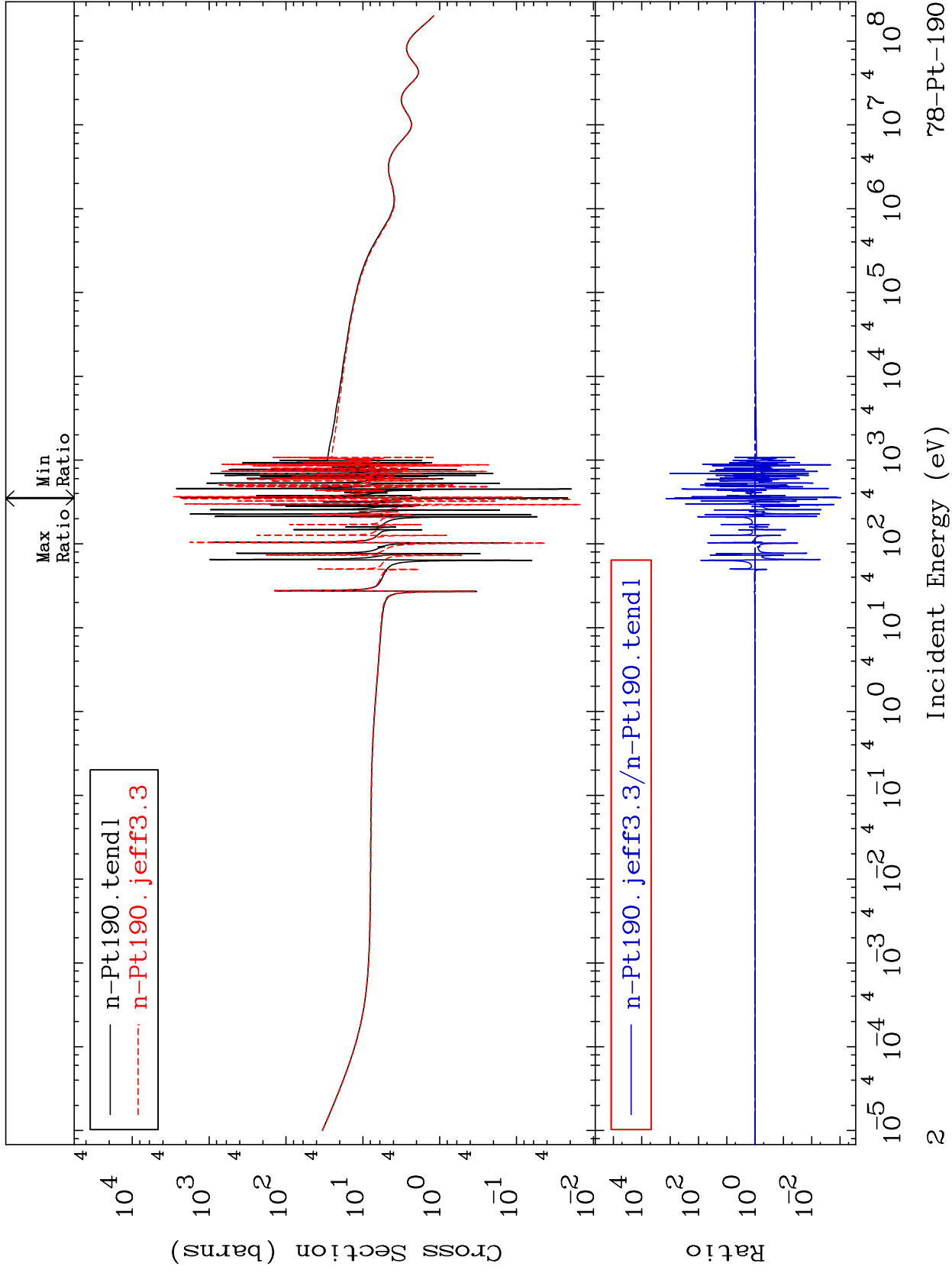


78-Pt-190

MAT 7825

Elastic  
Cross Section

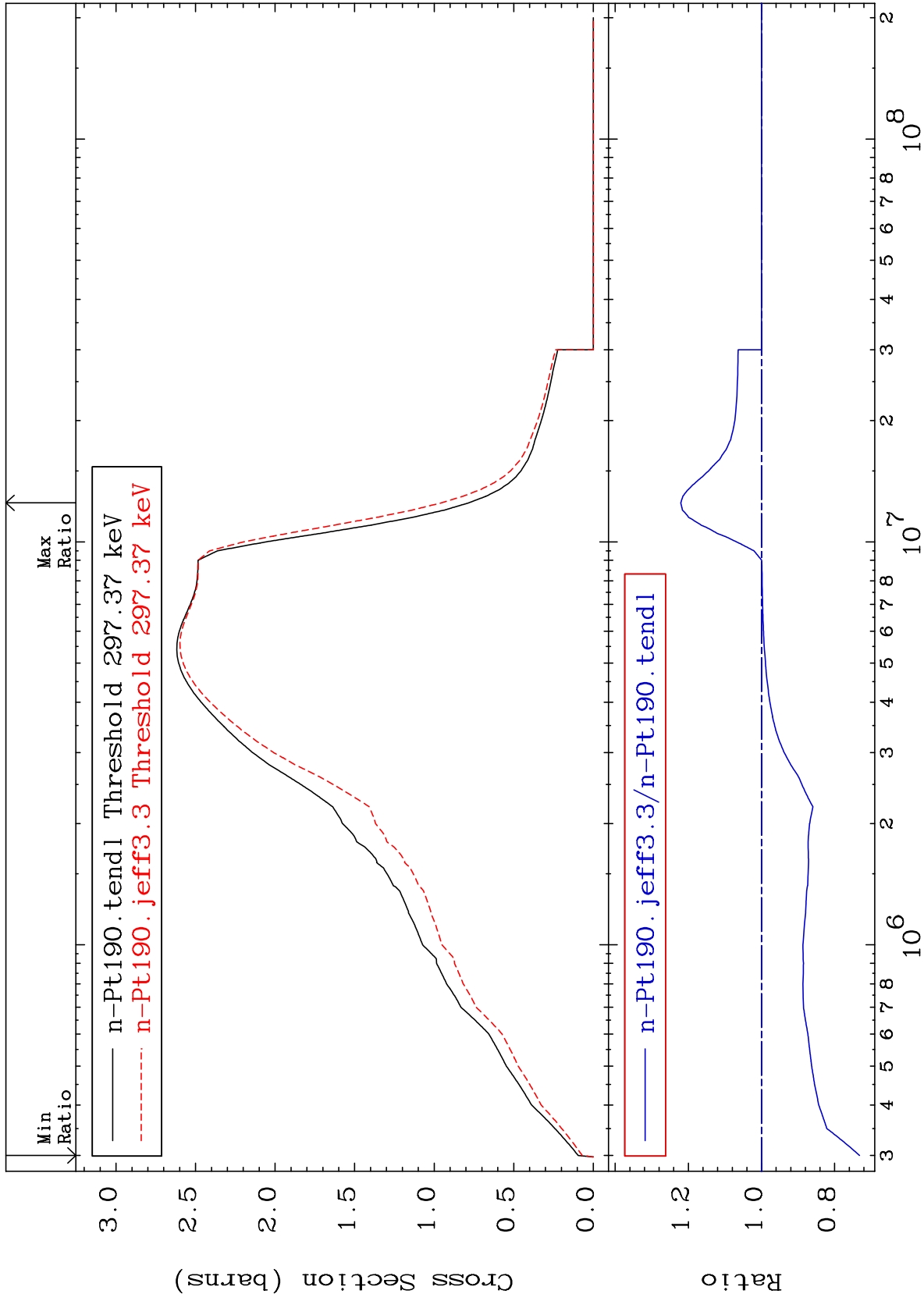
78-Pt-190  
-99.91 To 9999. %



MAT 7825

Inelastic  
Cross Section

78-Pt-190  
-26.81 To 22.08 %



— n-Pt190.tendl Threshold 297.37 keV  
- - - n-Pt190.jeff3.3 Threshold 297.37 keV

— n-Pt190.jeff3.3/n-Pt190.tendl

3

Incident Energy (eV)

78-Pt-190

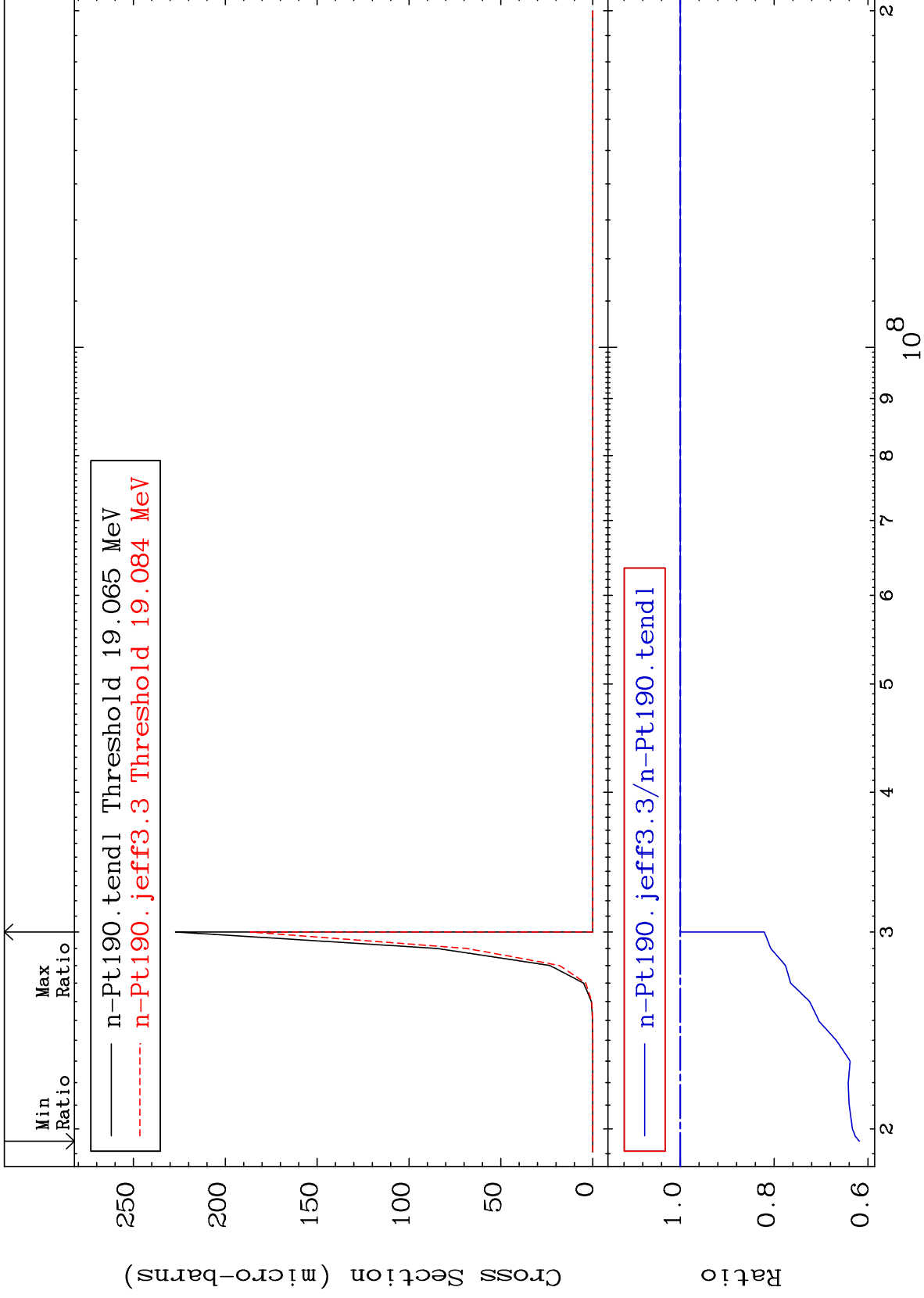
MAT 7825

(n,2n) d

78-Pt-190

Cross Section

-38.20 To 0.000 %



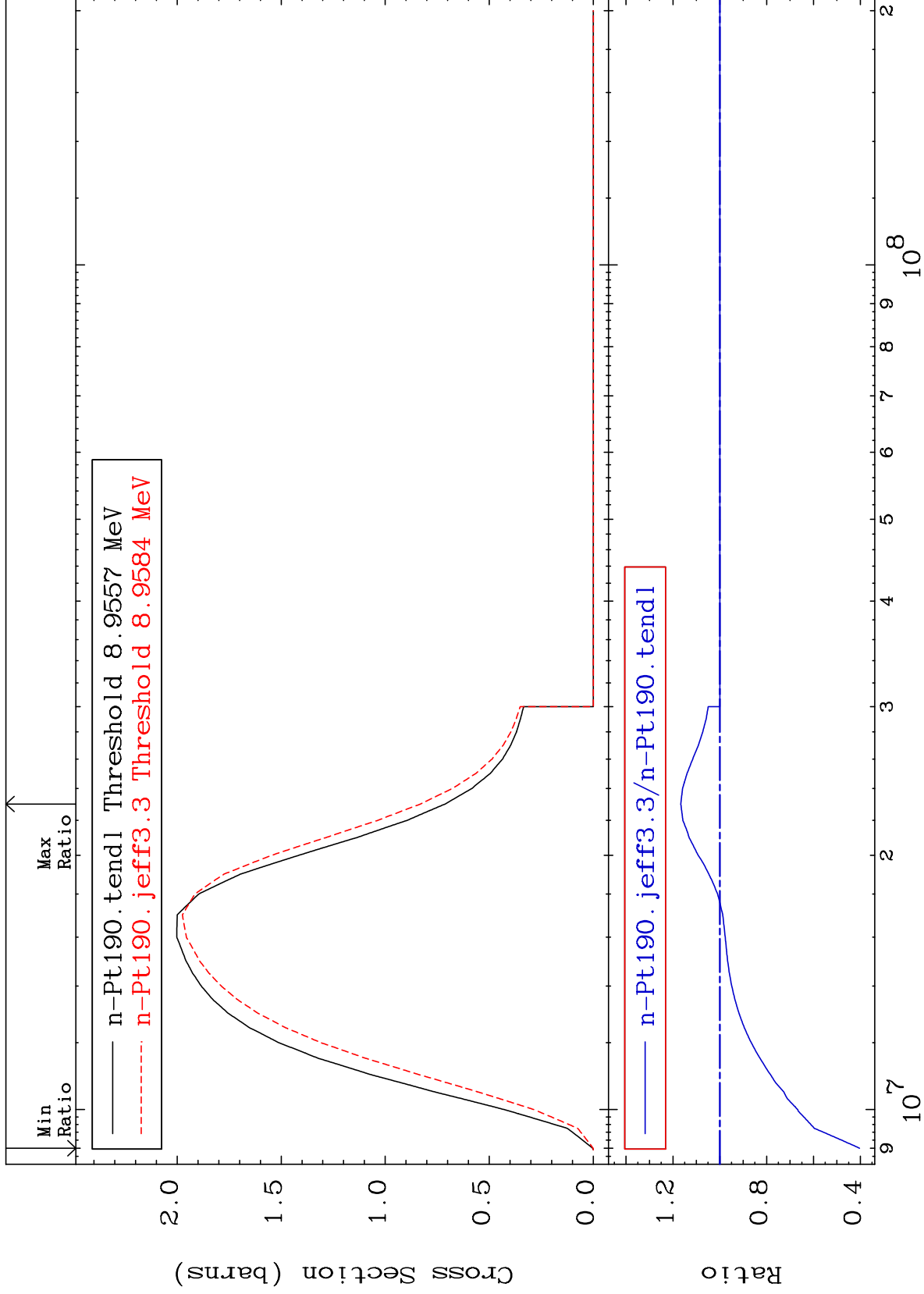
MAT 7825

(n,2n)

78-Pt-190

Cross Section

-59.64 To 16.65 %



78-Pt-190

78-Pt-190

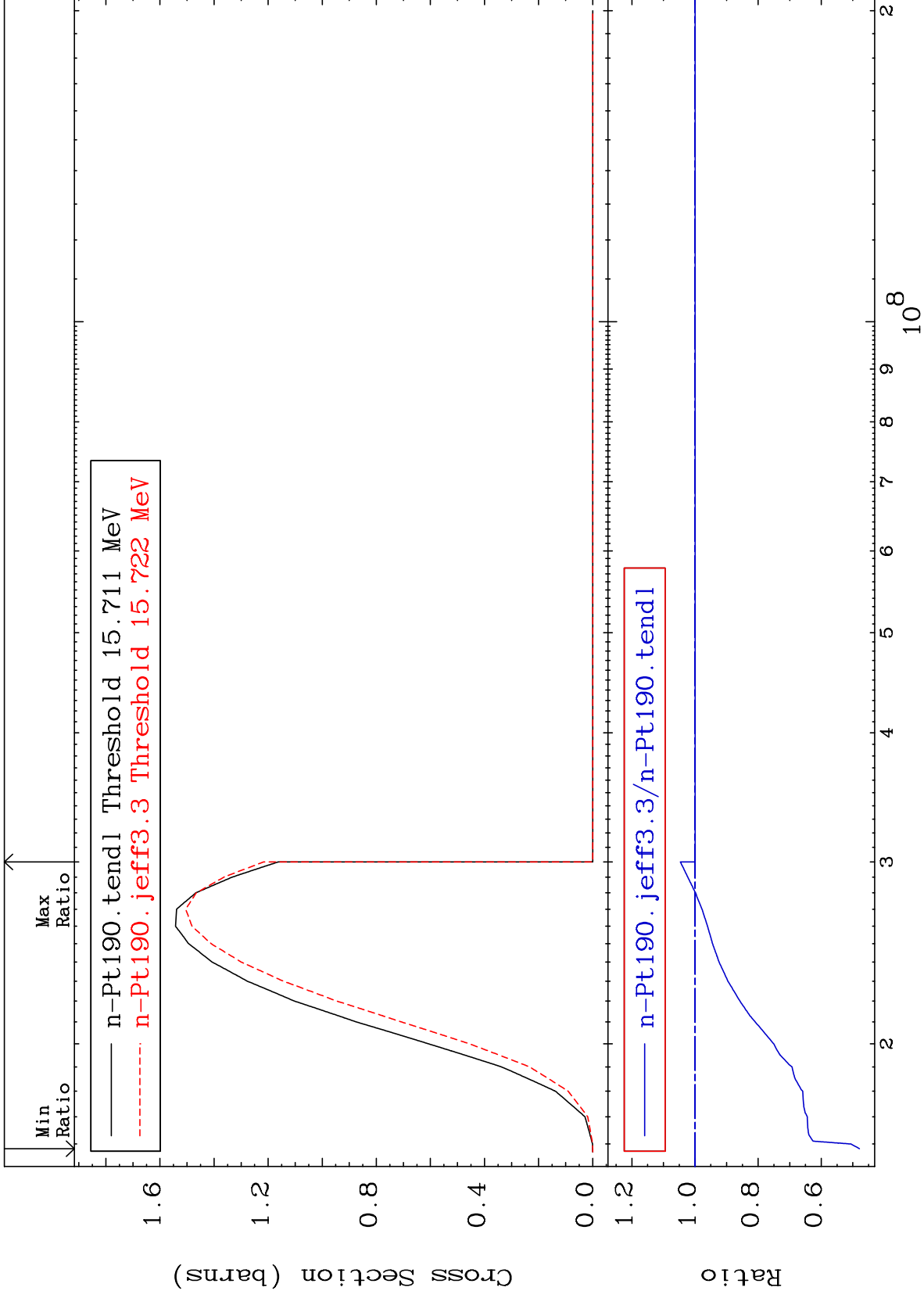
MAT 7825

(n,3n)

78-Pt-190

Cross Section

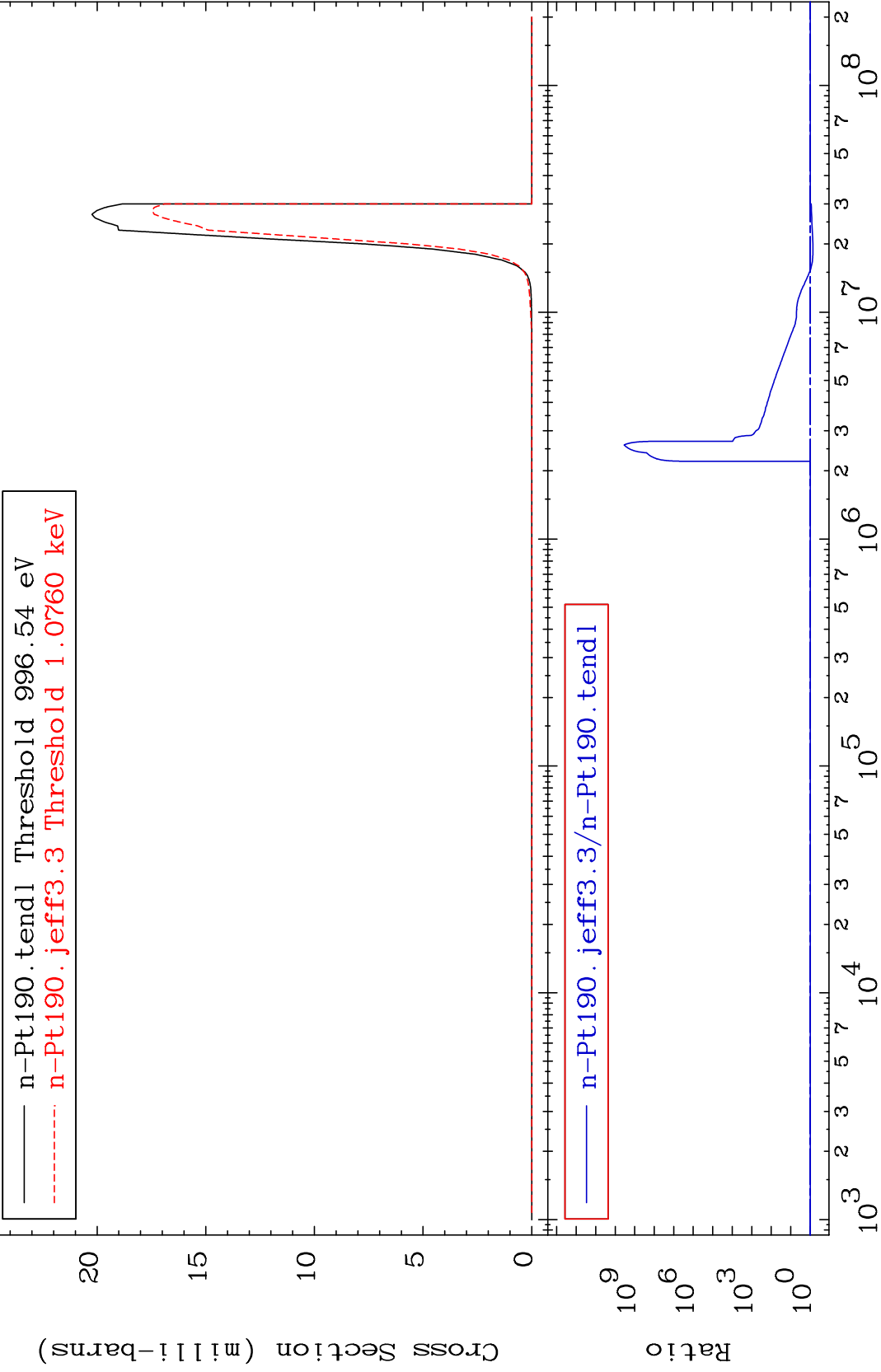
-52.09 To 4.643 %



MAT 7825

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

78-Pt-190  
-26.97 To 9999. %



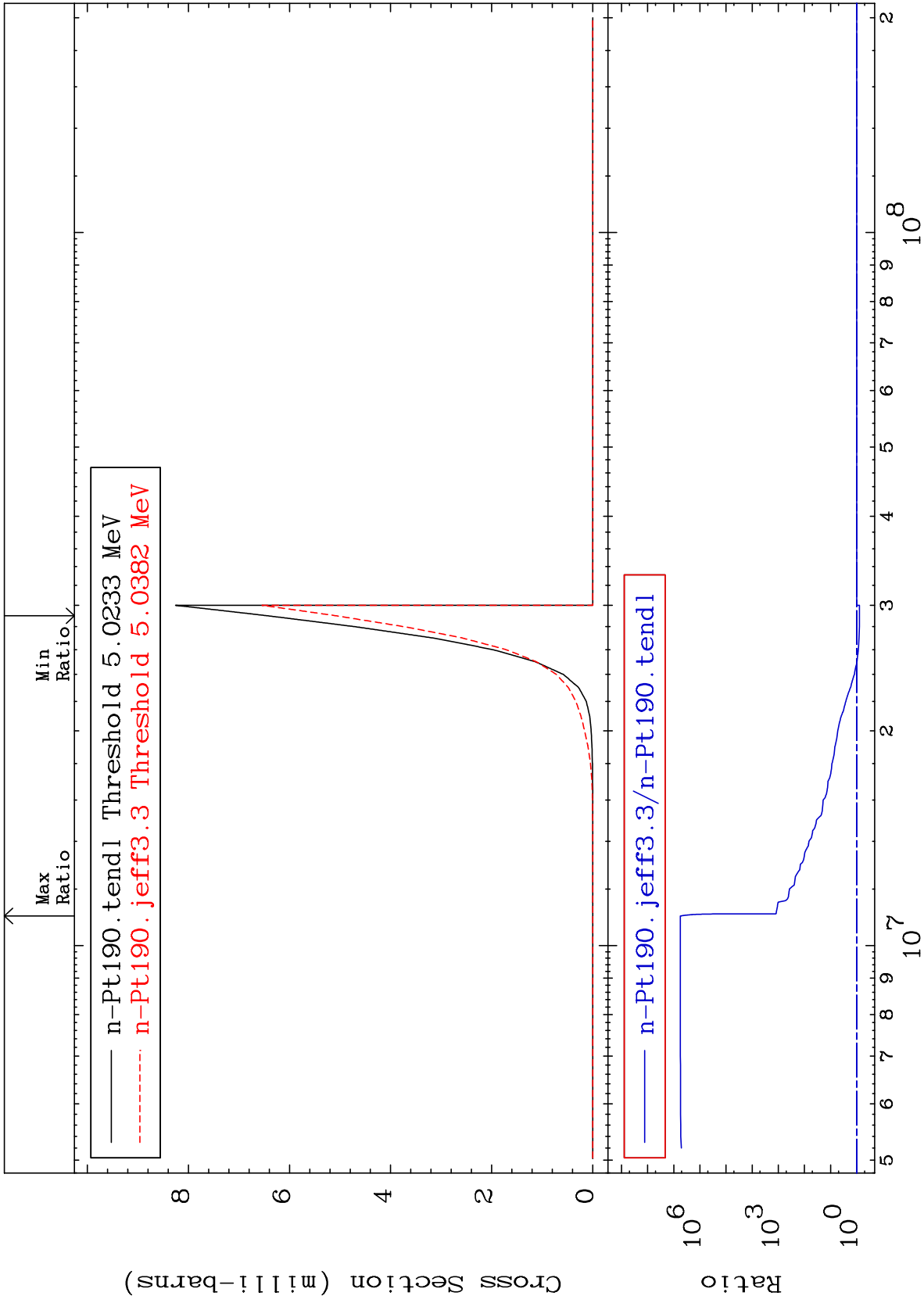
Incident Energy (eV)

78-Pt-190

MAT 7825

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

78-Pt-190  
-21.06 To 9999. %



8

Incident Energy (eV)

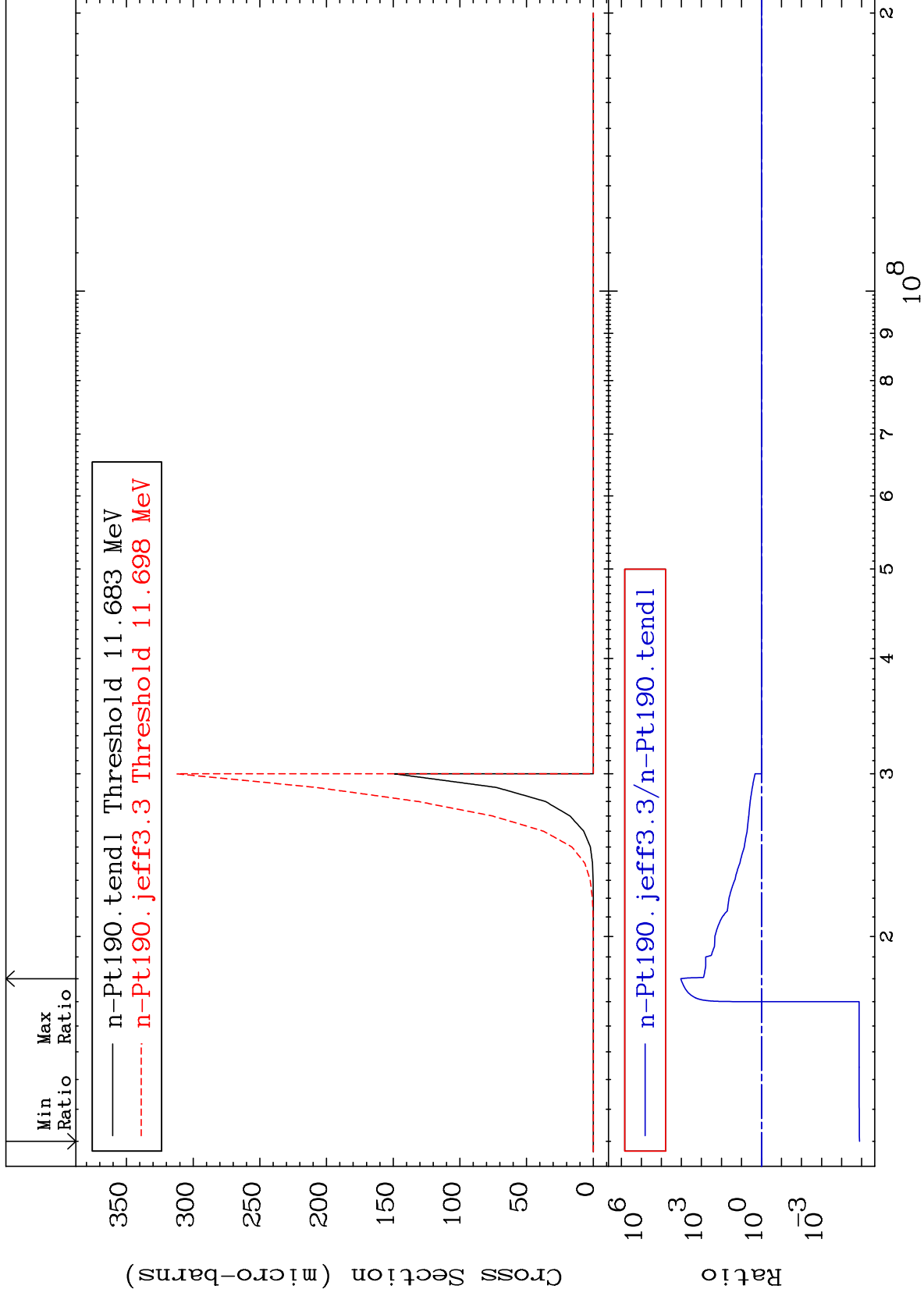
78-Pt-190



MAT 7825

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

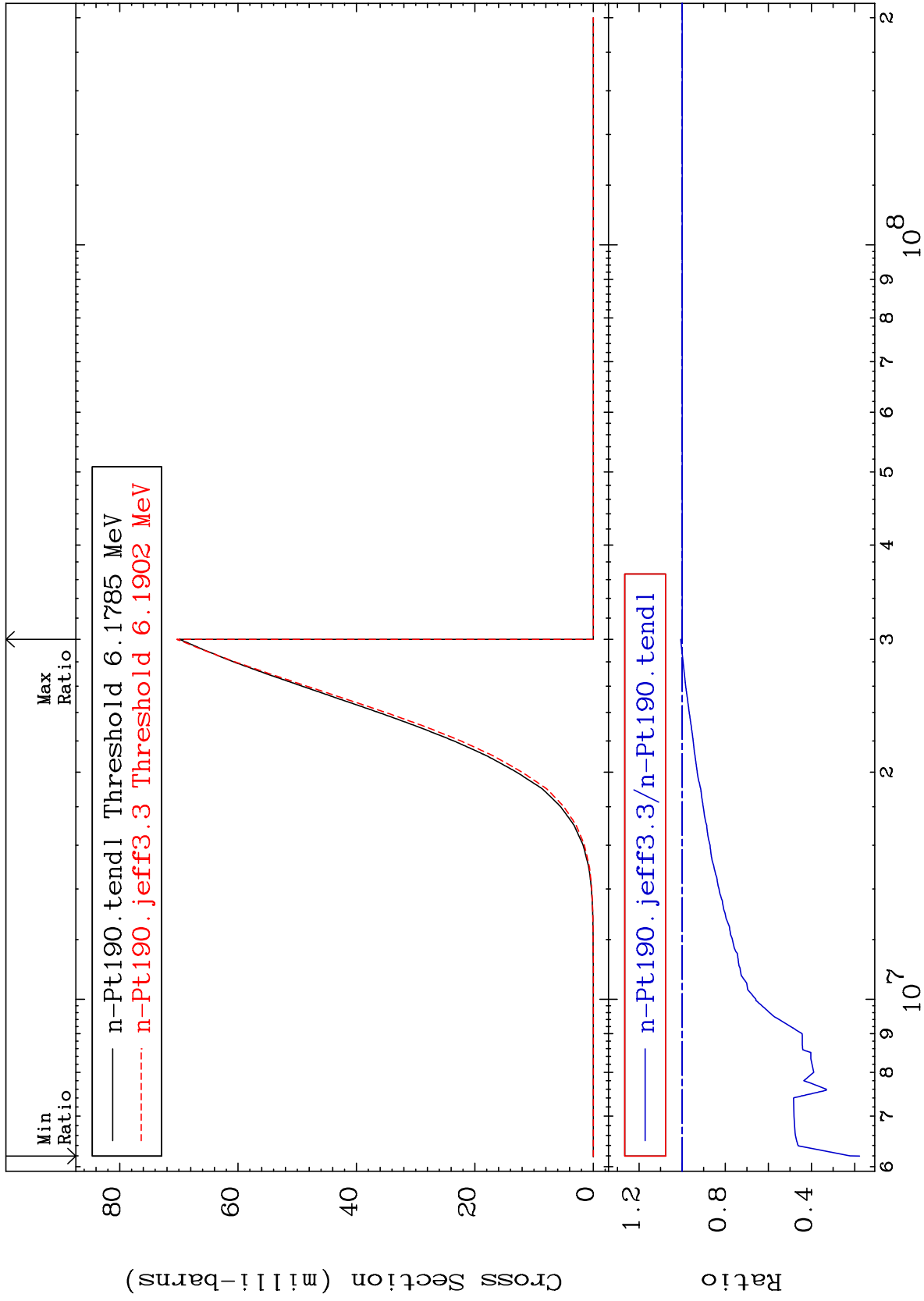
78-Pt-190  
-100.0 To 9999. %



MAT 7825

(n, n') p  
Cross Section

78-Pt-190  
-82.25 To 0.638 %



10

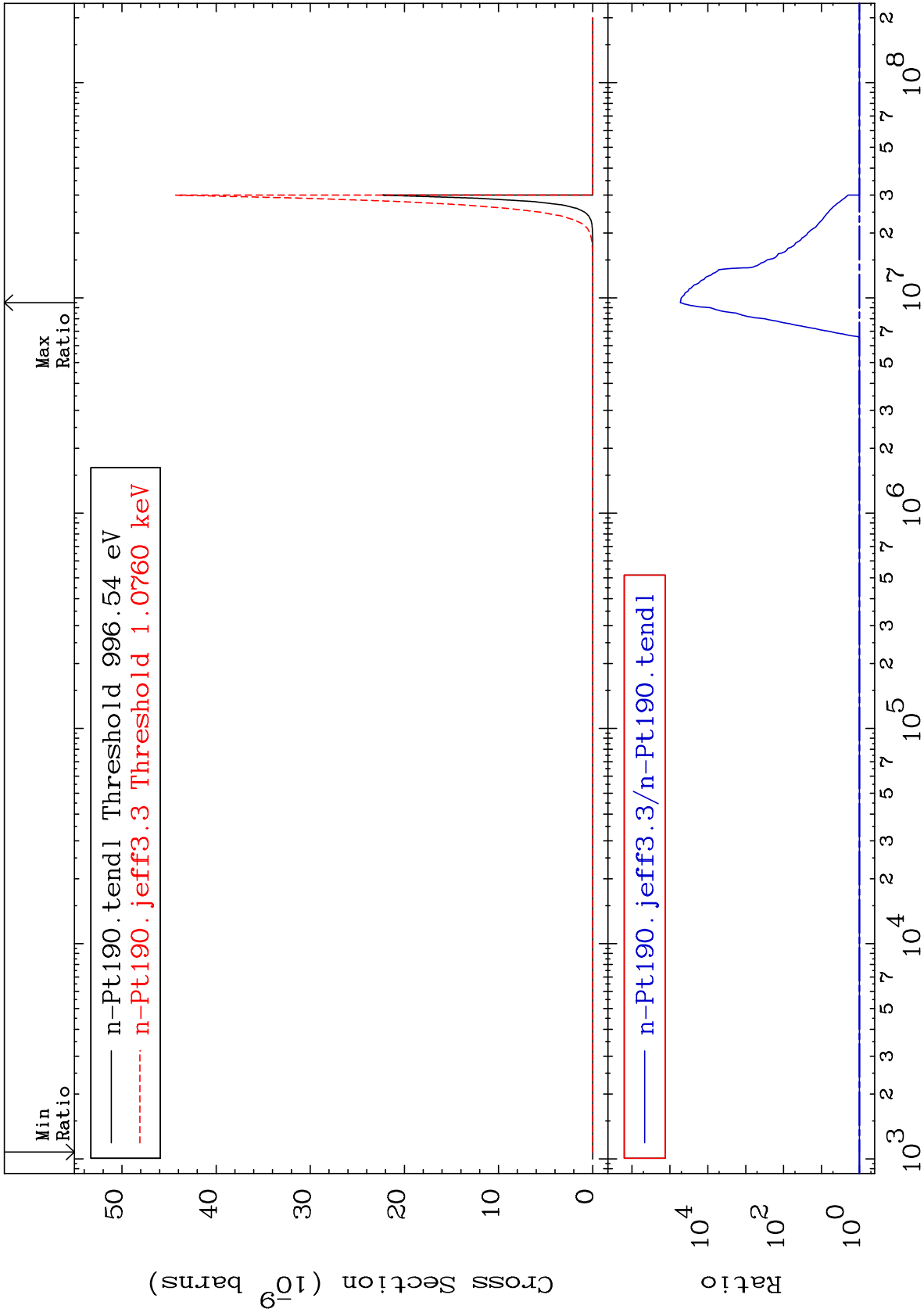
Incident Energy (eV)

78-Pt-190

MAT 7825

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

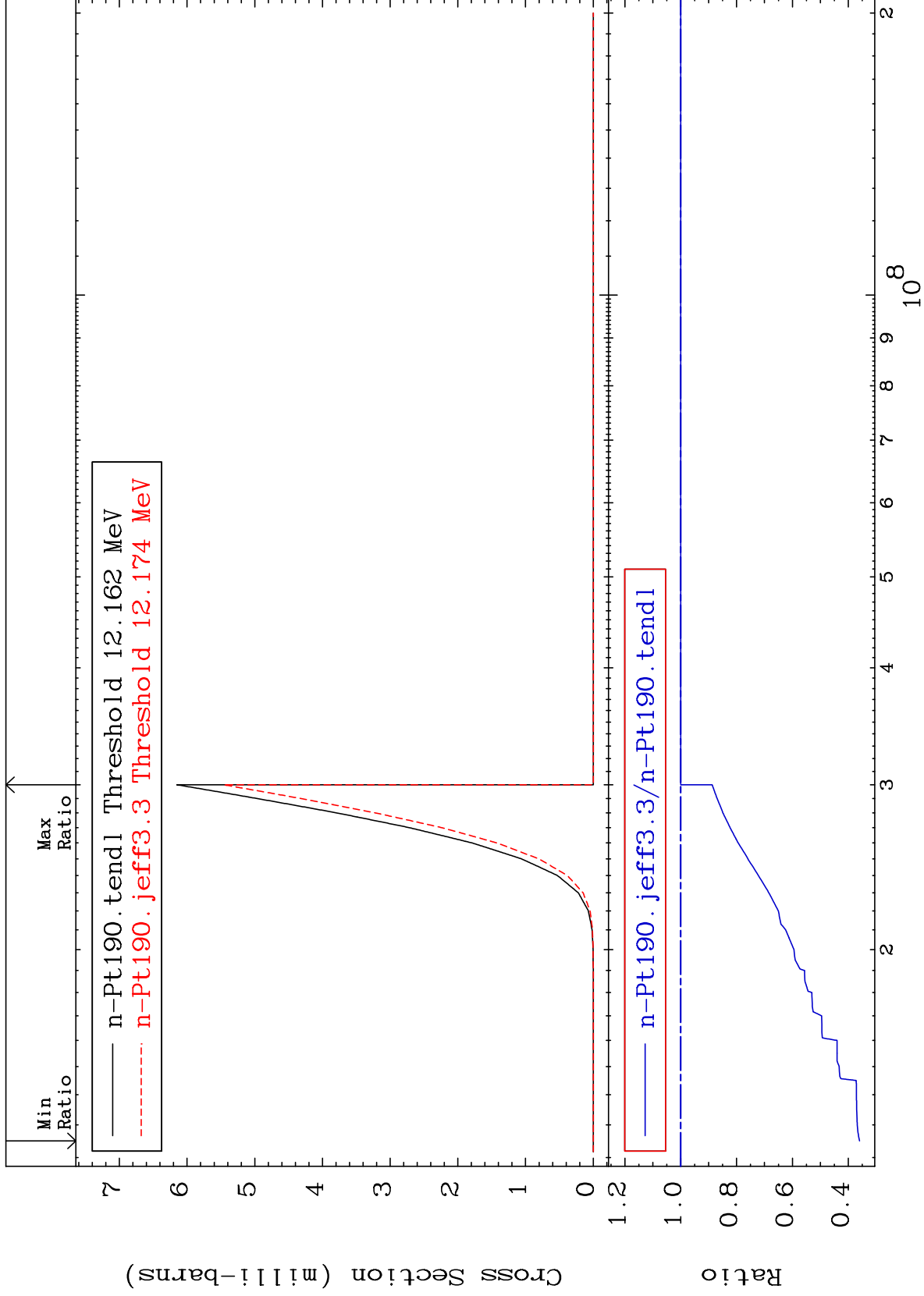
78-Pt-190  
To 9999. %



MAT 7825

(n,n') d  
Cross Section

78-Pt-190  
-64.05 To 0.000 %



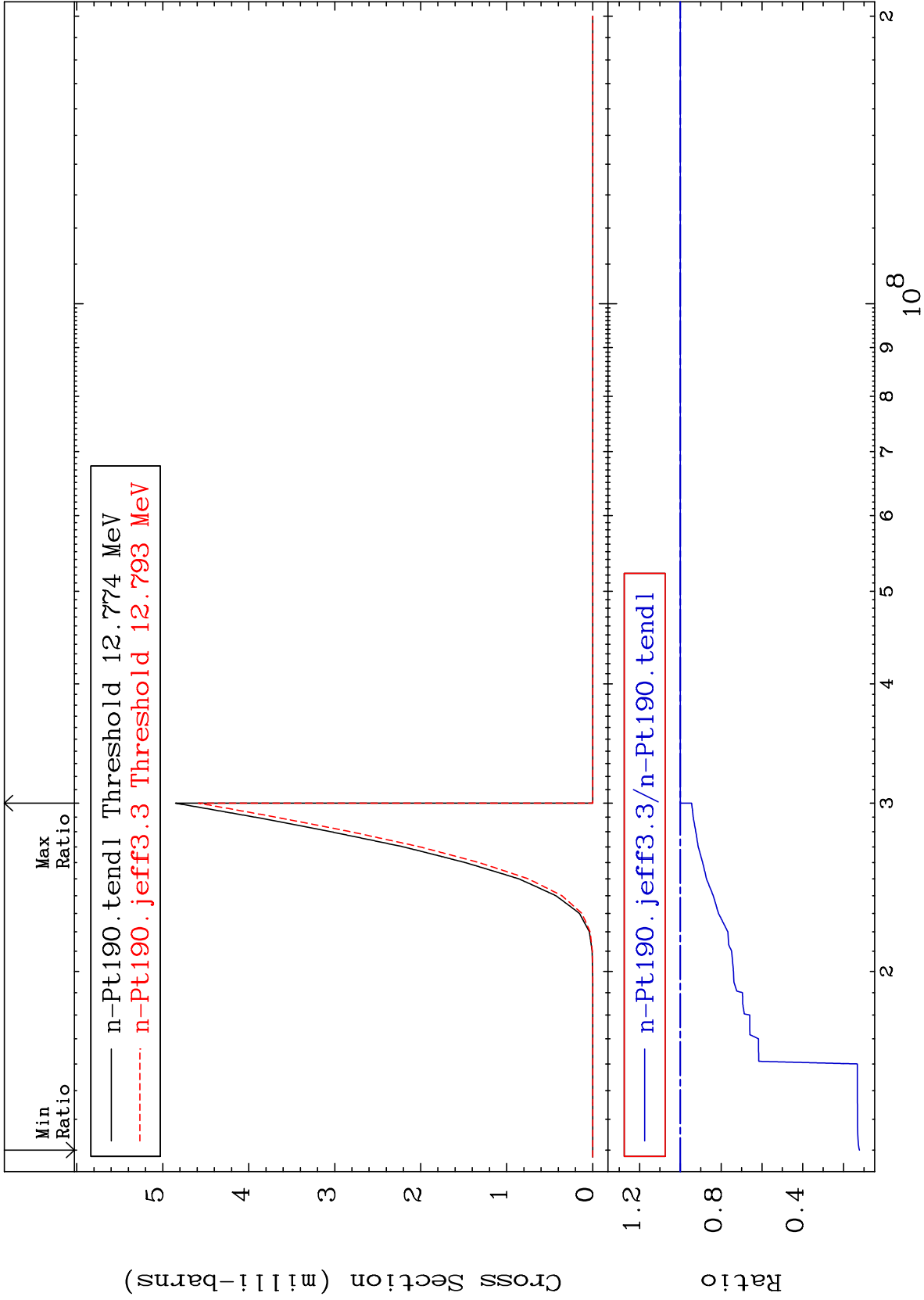
12

Incident Energy (eV)

78-Pt-190

Cross Section

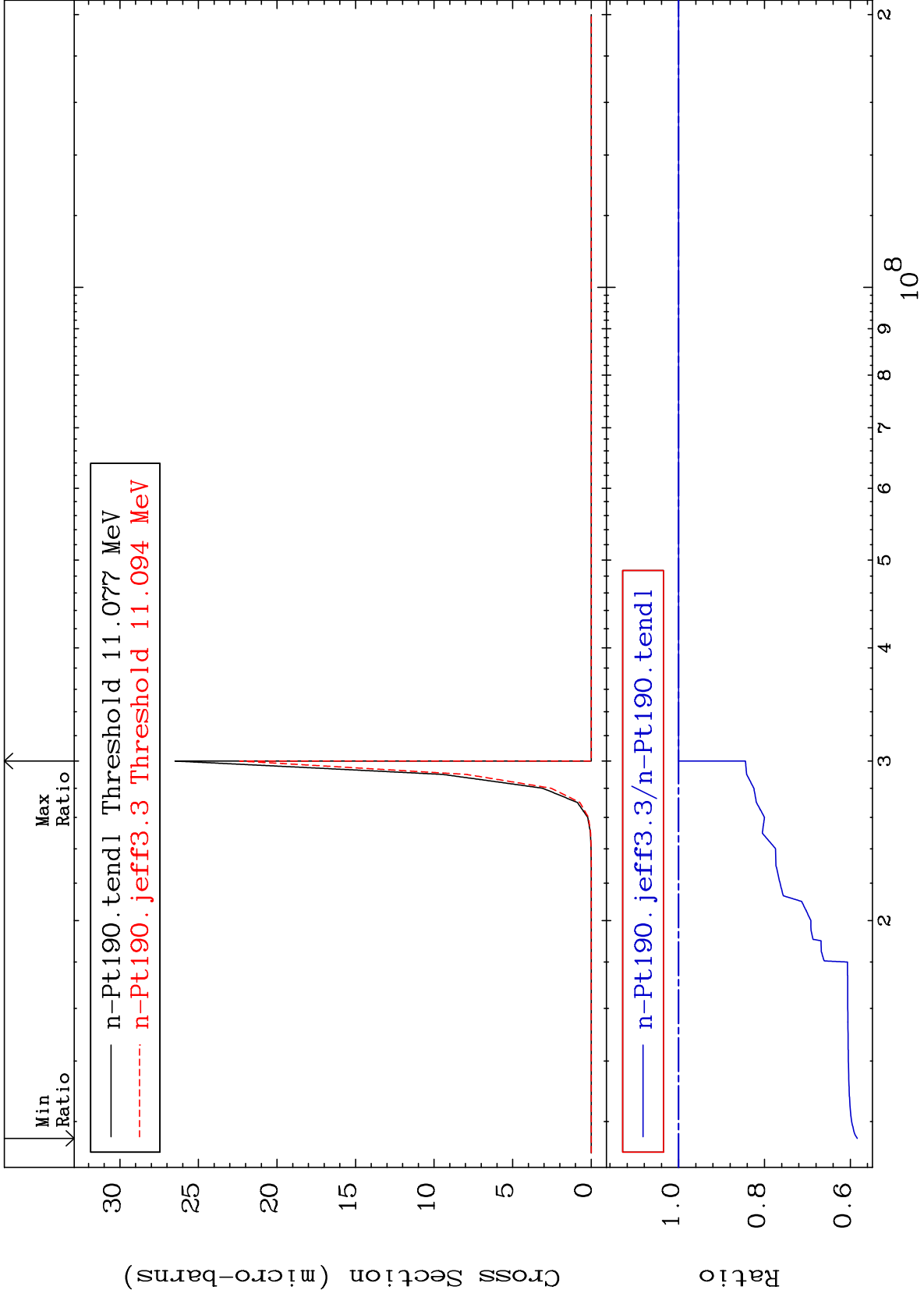
-87.78 To 0.000 %



MAT 7825

(n, n') He-3  
Cross Section

78-Pt-190  
-41.61 To 0.000 %



14

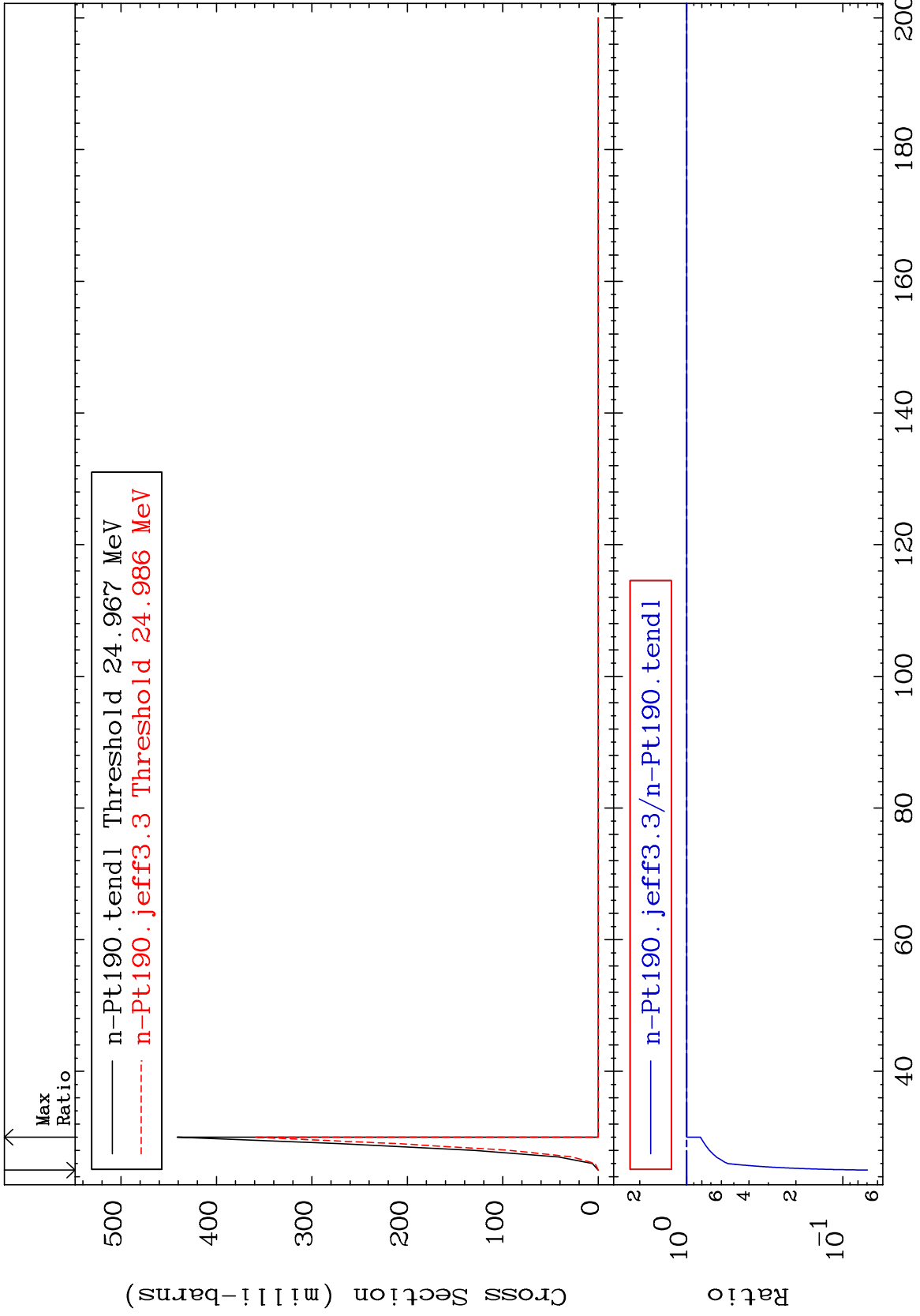
Incident Energy (eV)

78-Pt-190

MAT 7825

(n,4n)  
Cross Section

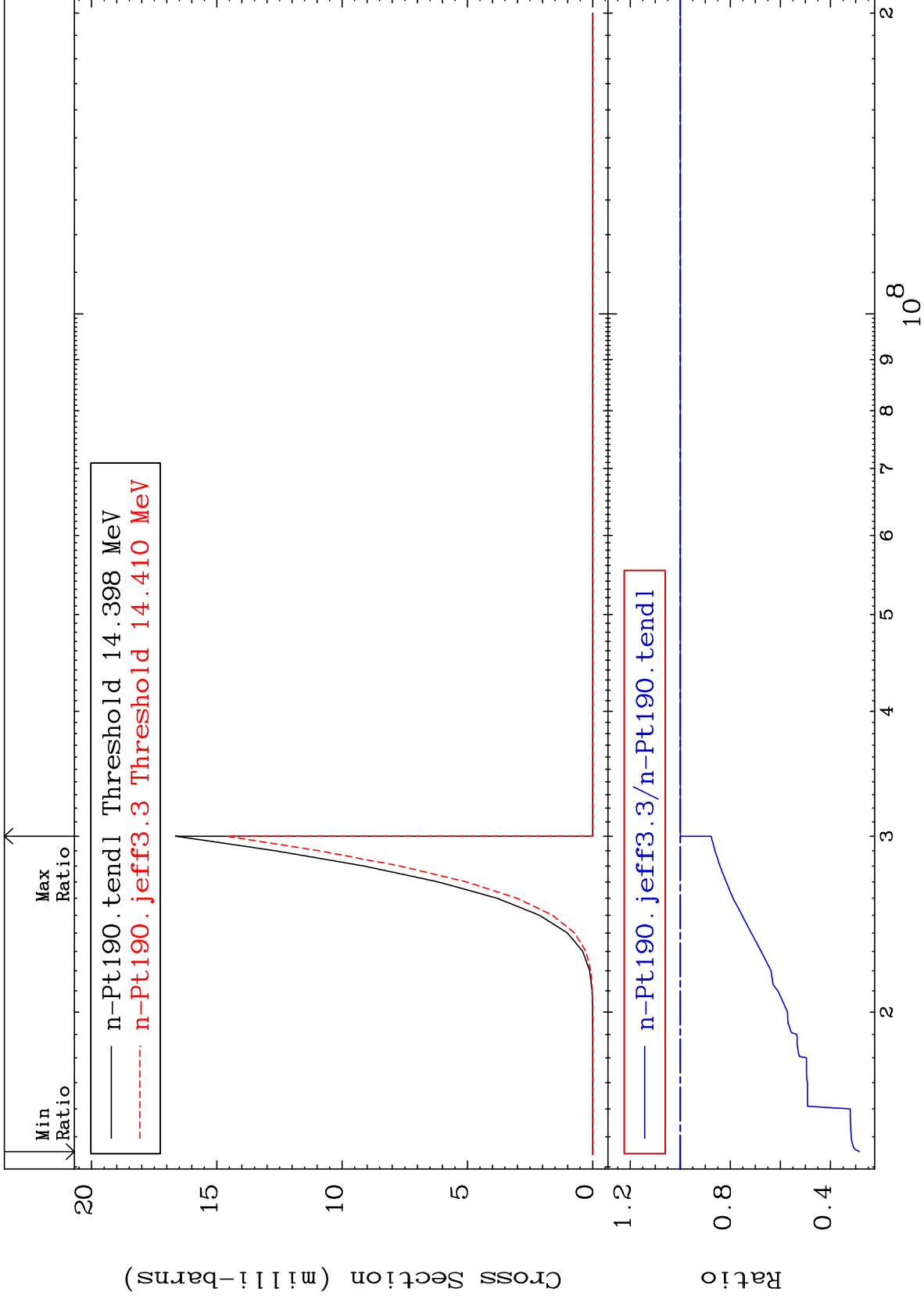
78-Pt-190  
-93.04 To 0.000 %



MAT 7825

(n,2n) p  
Cross Section

78-Pt-190  
-71.54 To 0.000 %

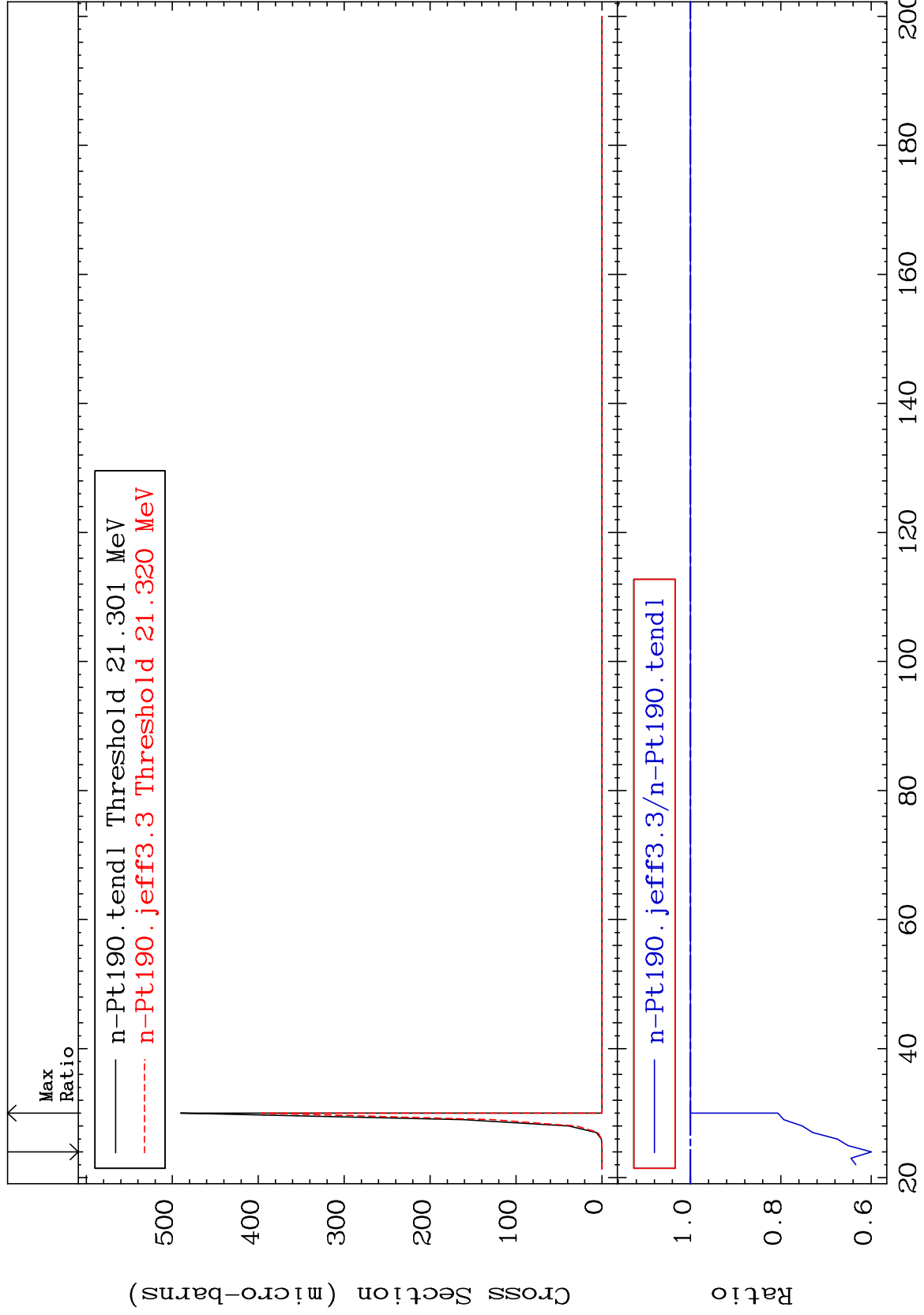


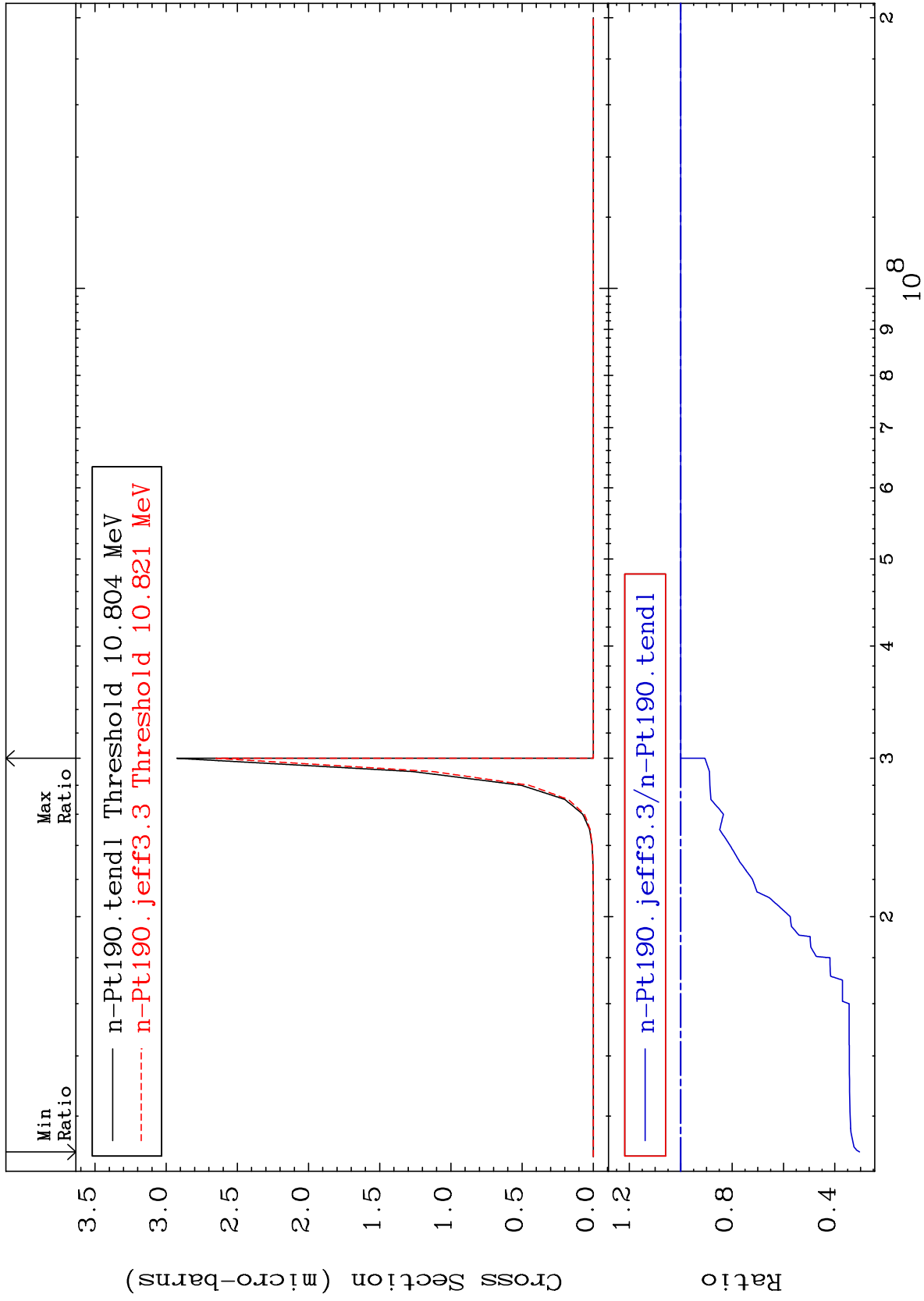


MAT 7825

(n,3n) p  
Cross Section

78-Pt-190  
-40.05 To 0.000 %

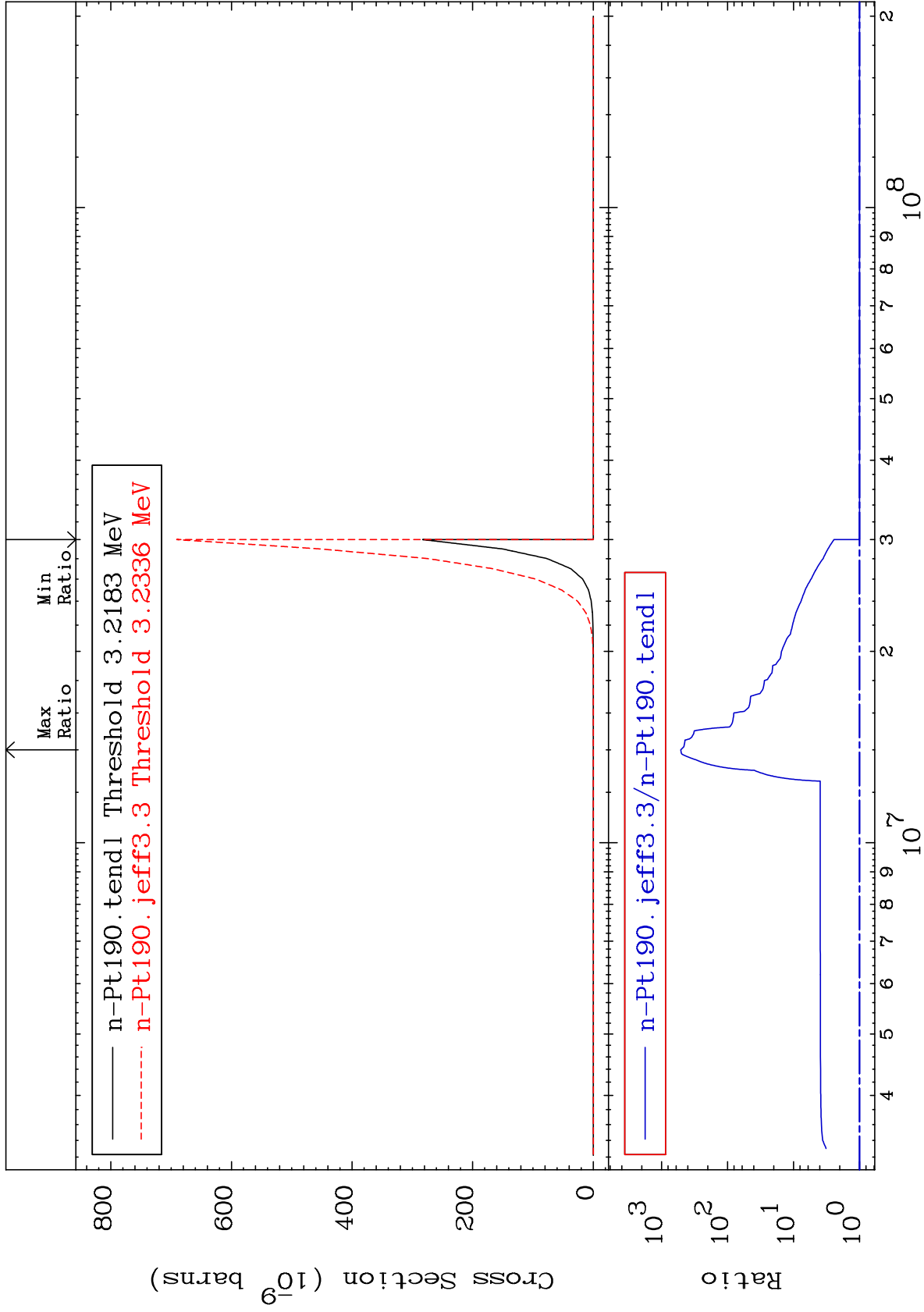




MAT 7825

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

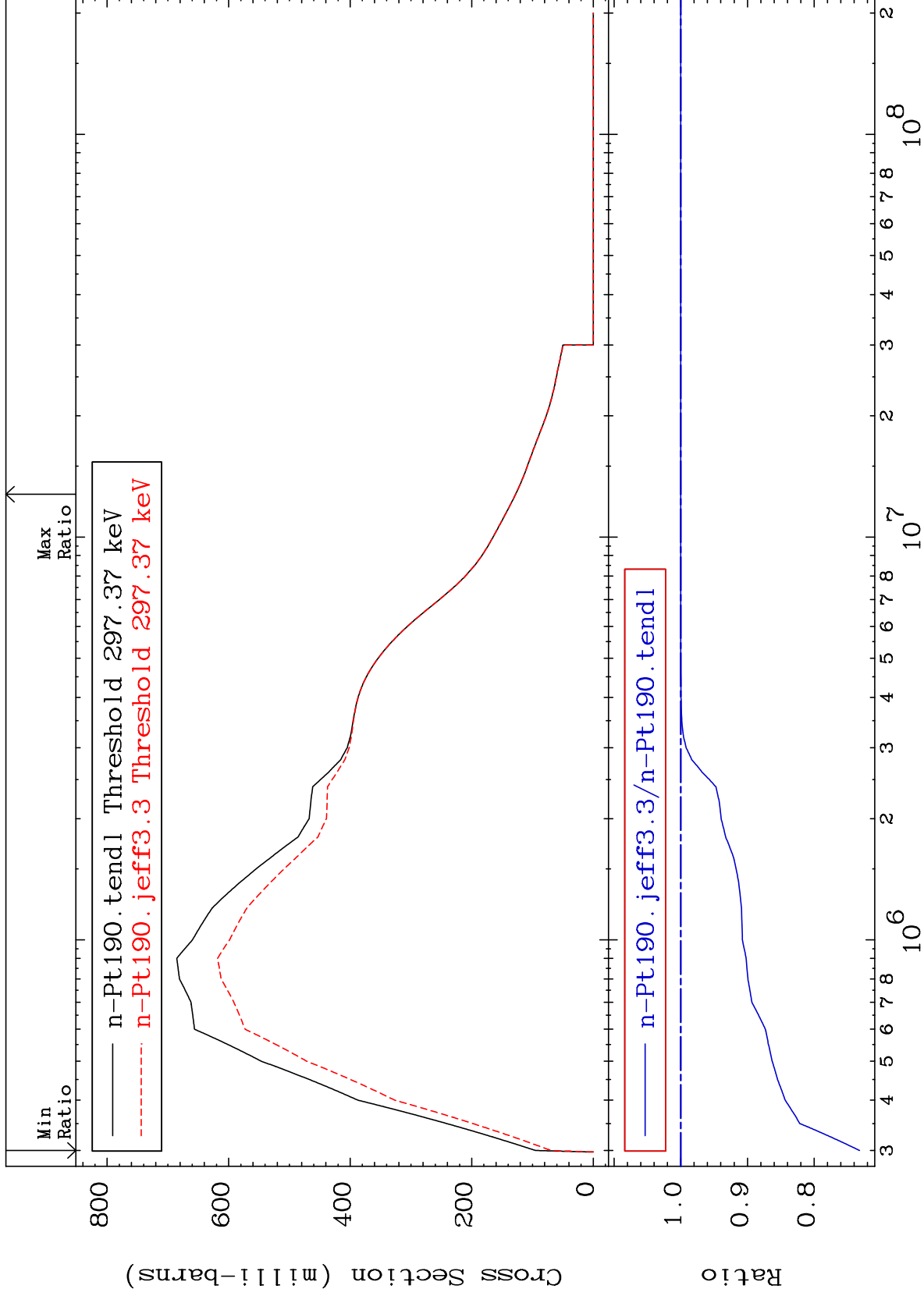
78-Pt-190  
To 9999. %  
0.000



MAT 7825

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

78-Pt-190  
-26.81 To 0.000 %



20

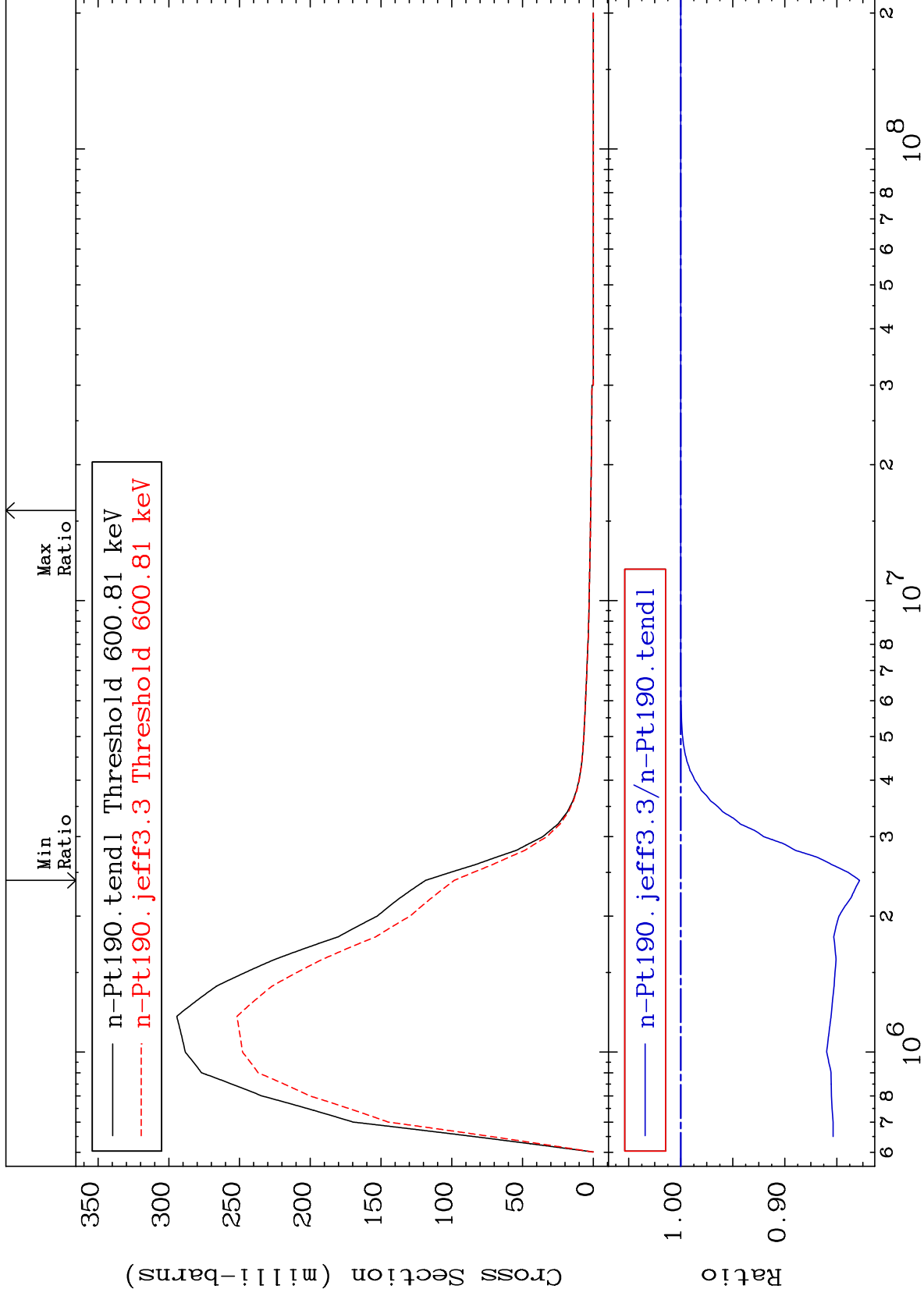
Incident Energy (eV)

78-Pt-190

MAT 7825

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

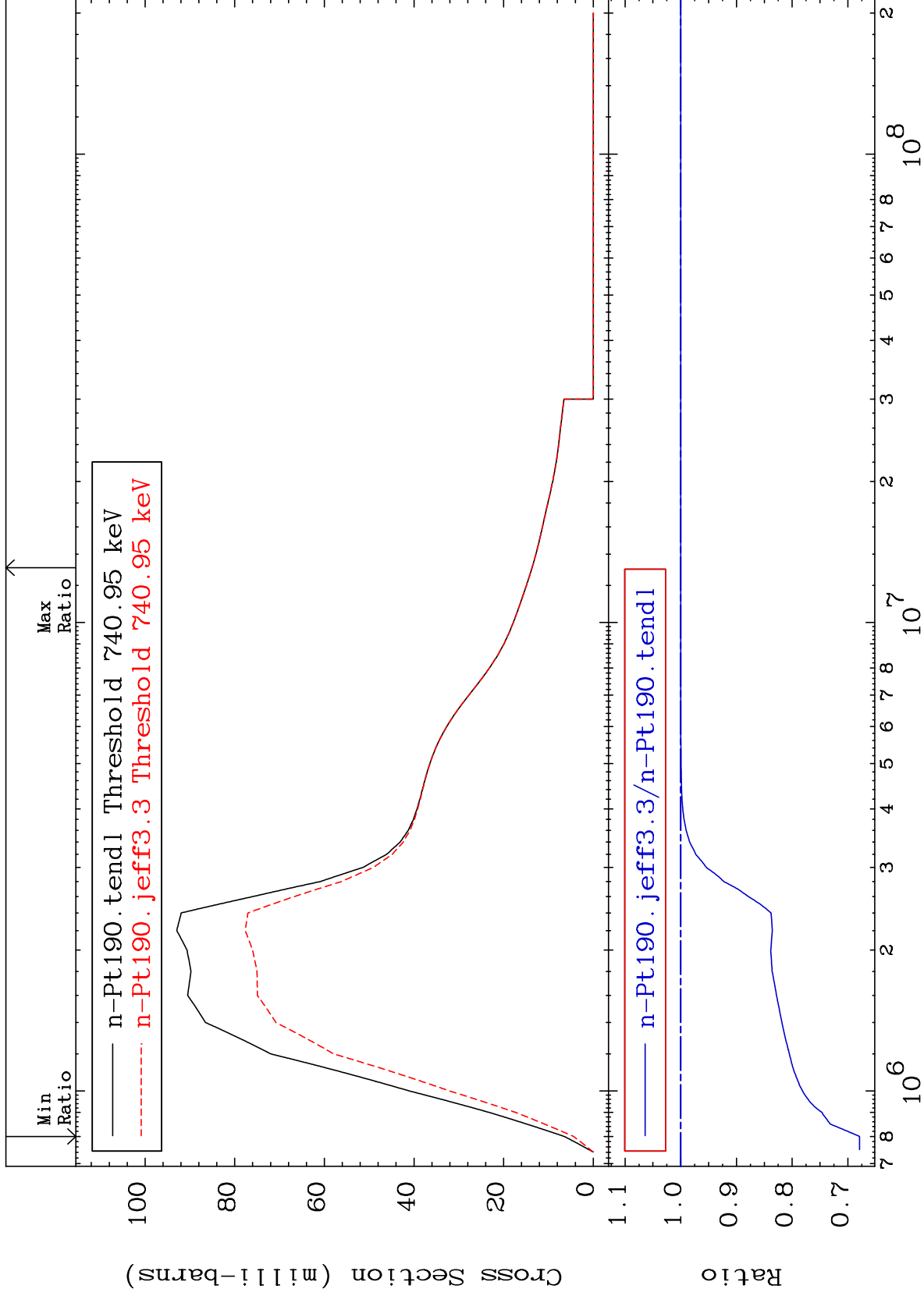
78-Pt-190  
-17.19 To 0.000 %



MAT 7825

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

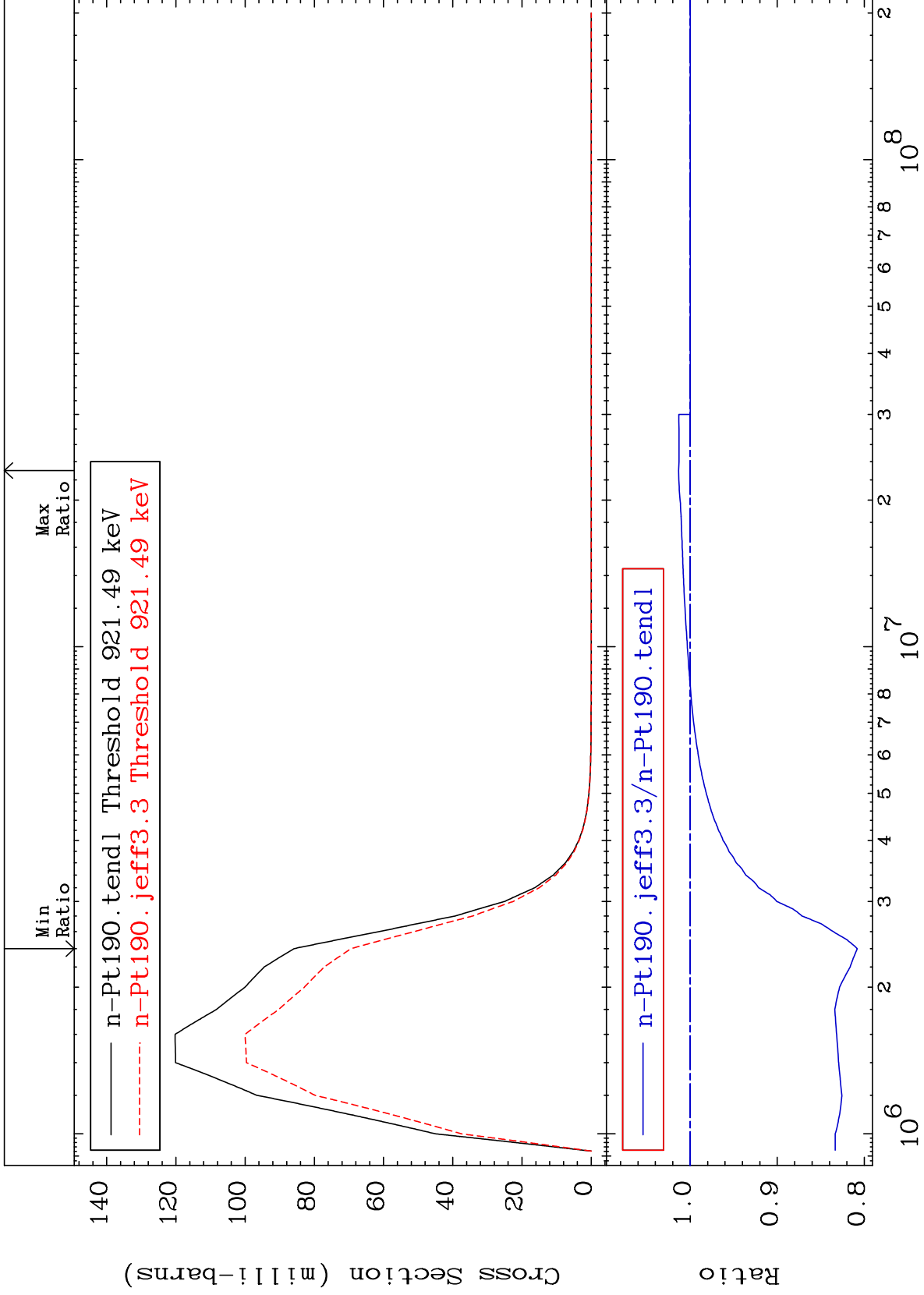
78-Pt-190  
-32.10 To 0.000 %



MAT 7825

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

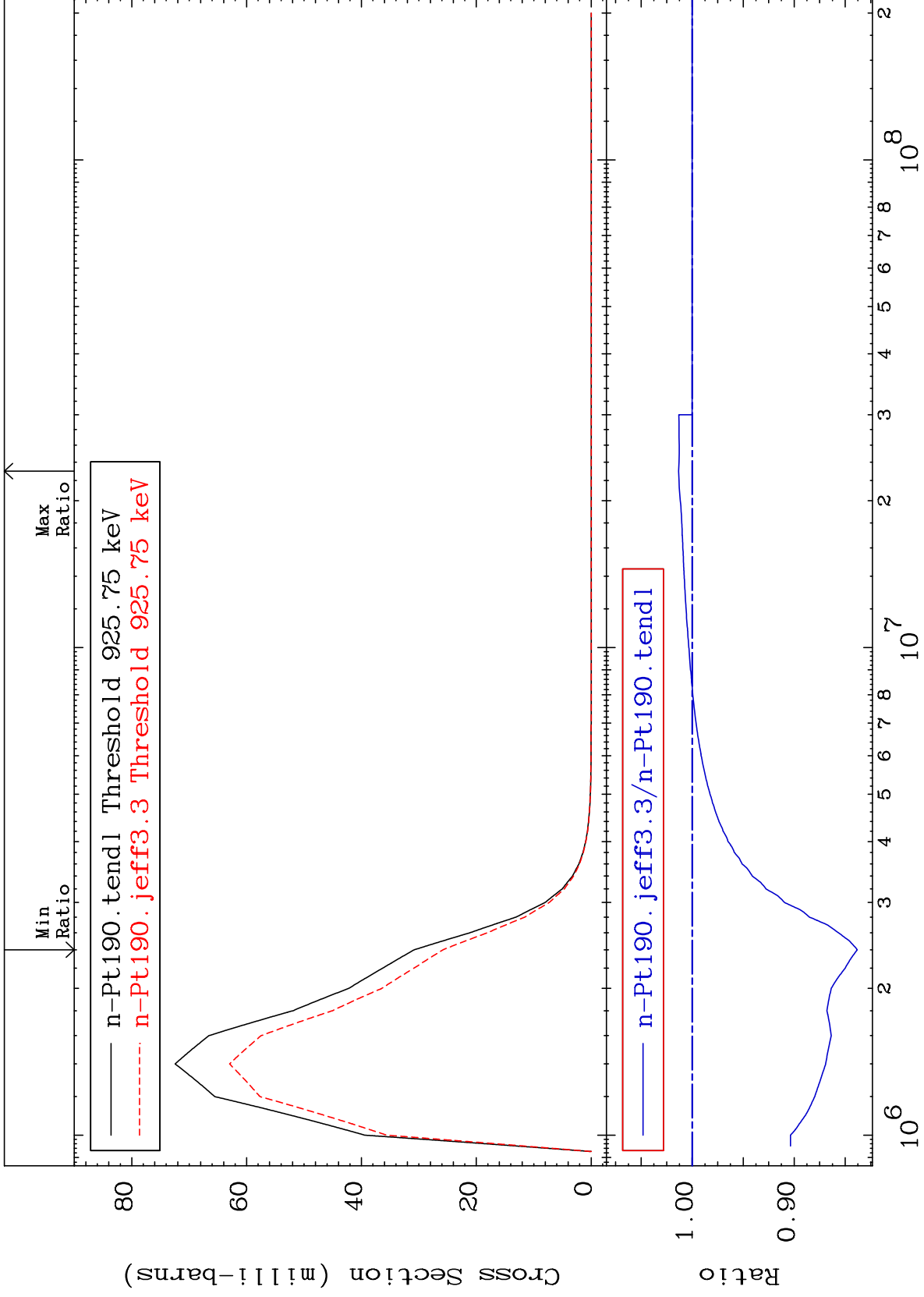
78-Pt-190  
-19.19 To 1.328 %



MAT 7825

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

78-Pt-190  
-16.18 To 1.327 %



24

Incident Energy (eV)

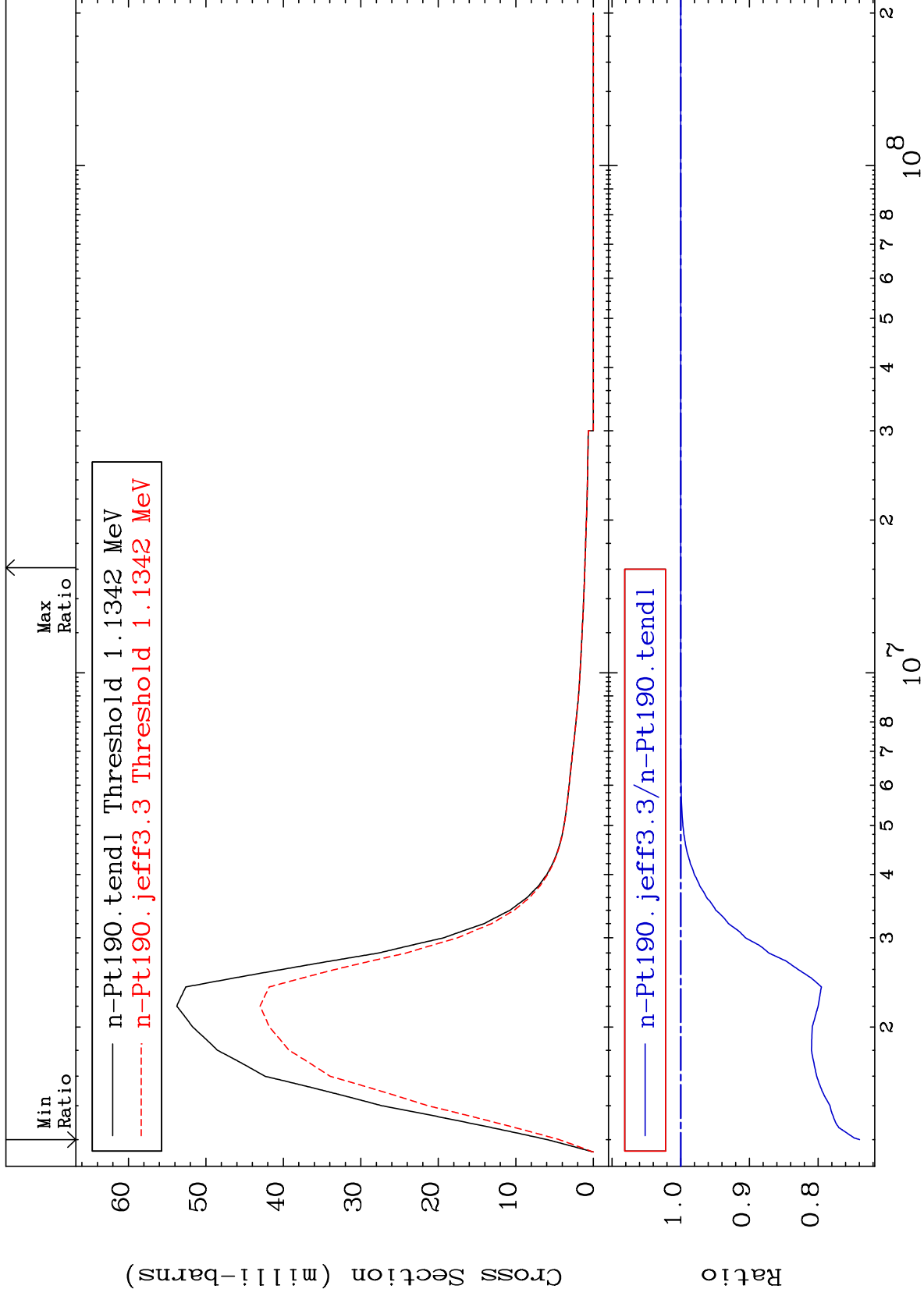
78-Pt-190



MAT 7825

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

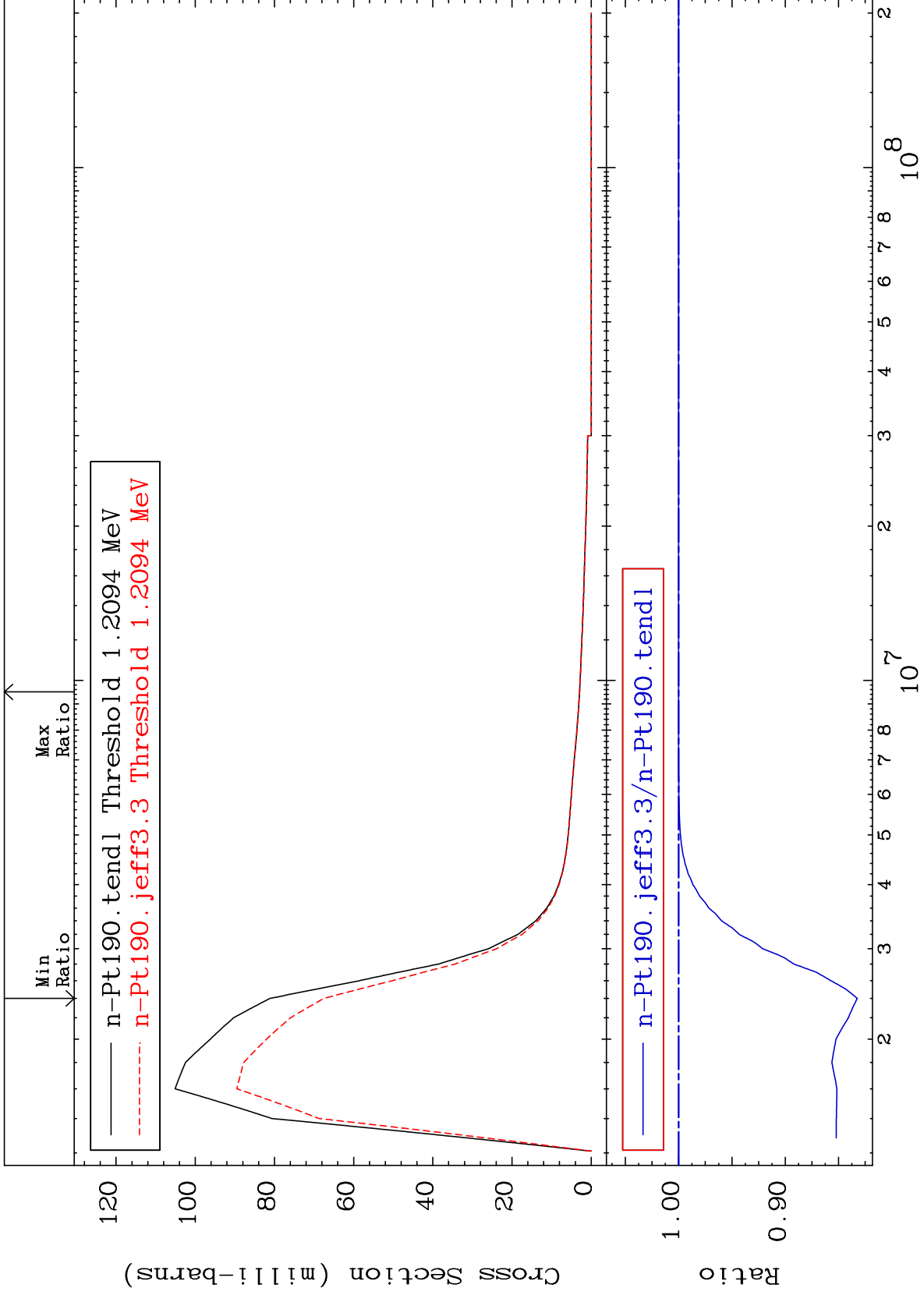
78-Pt-190  
-26.03 To 0.000 %



MAT 7825

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

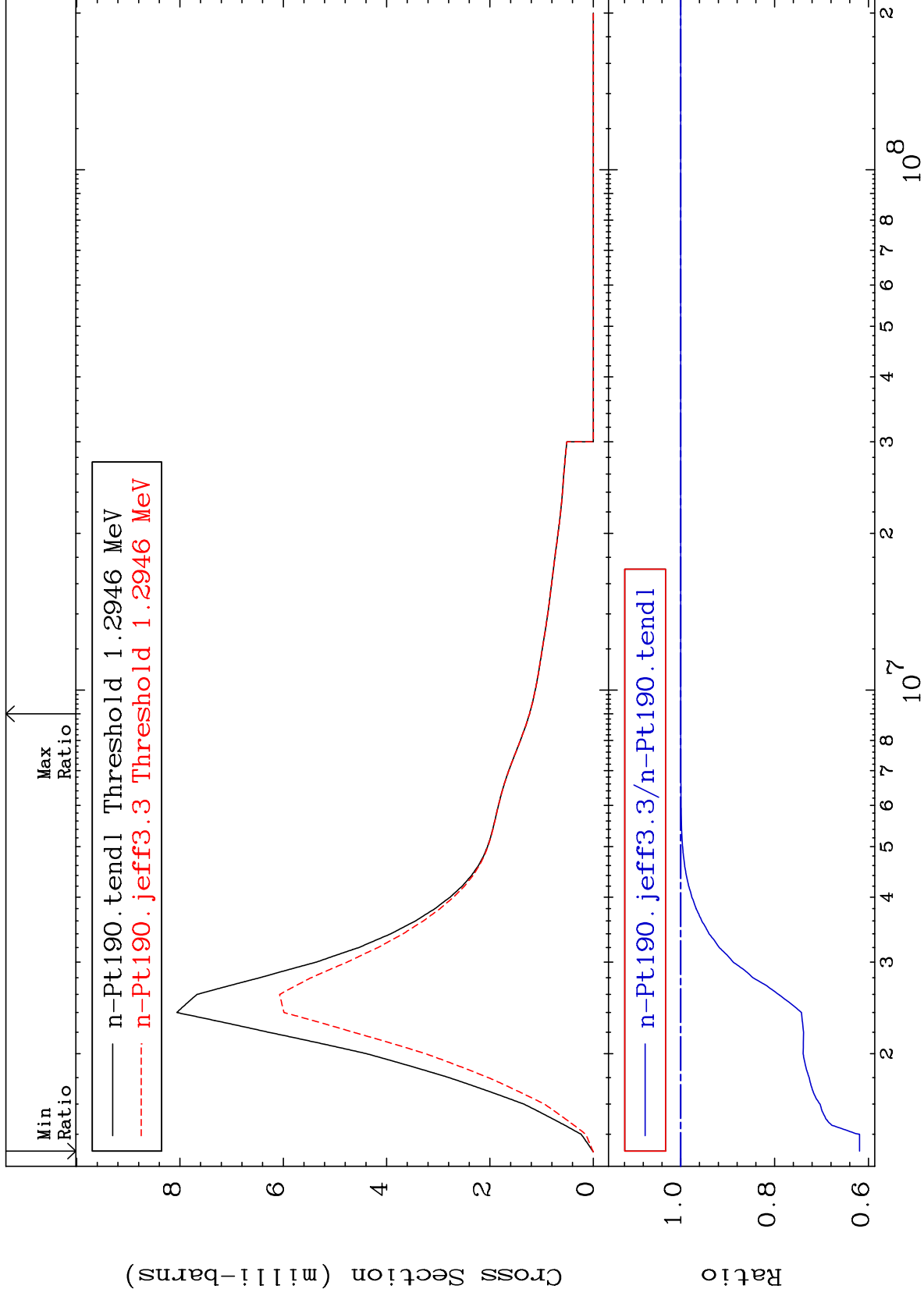
78-Pt-190  
-16.75 To 0.000 %



MAT 7825

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

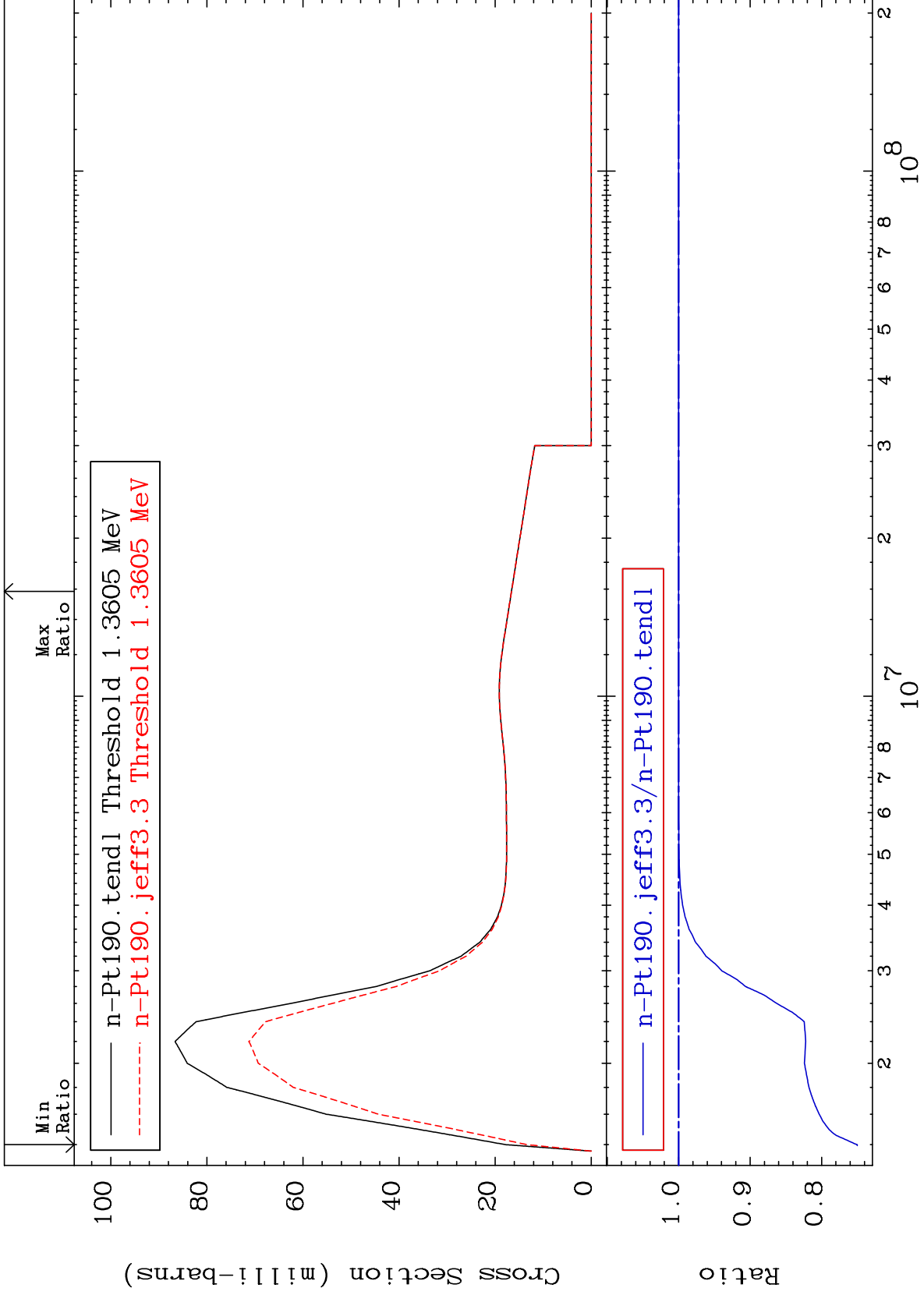
78-Pt-190  
-38.09 To 0.000 %



MAT 7825

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

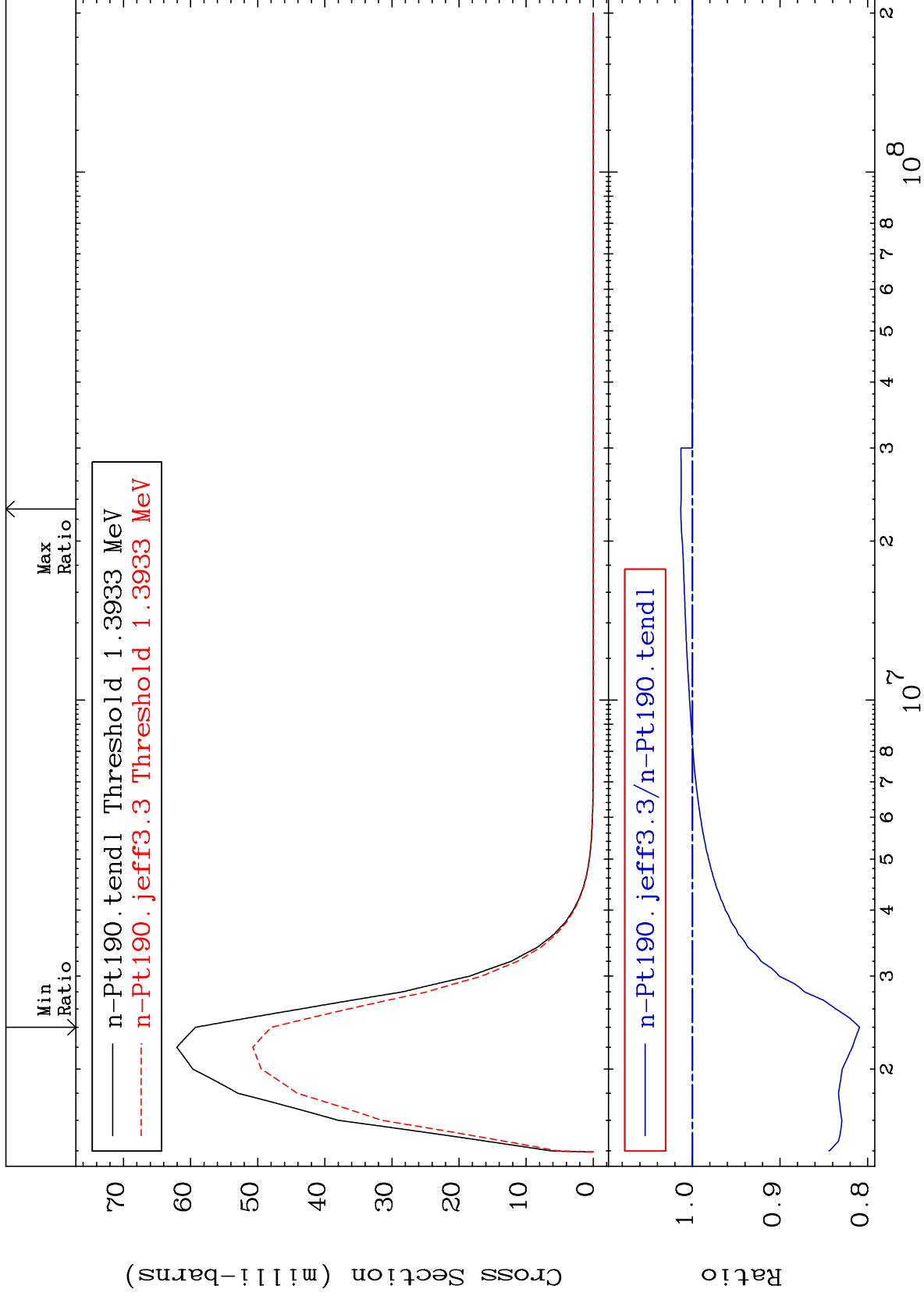
78-Pt-190  
-24.99 To 0.000 %



MAT 7825

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

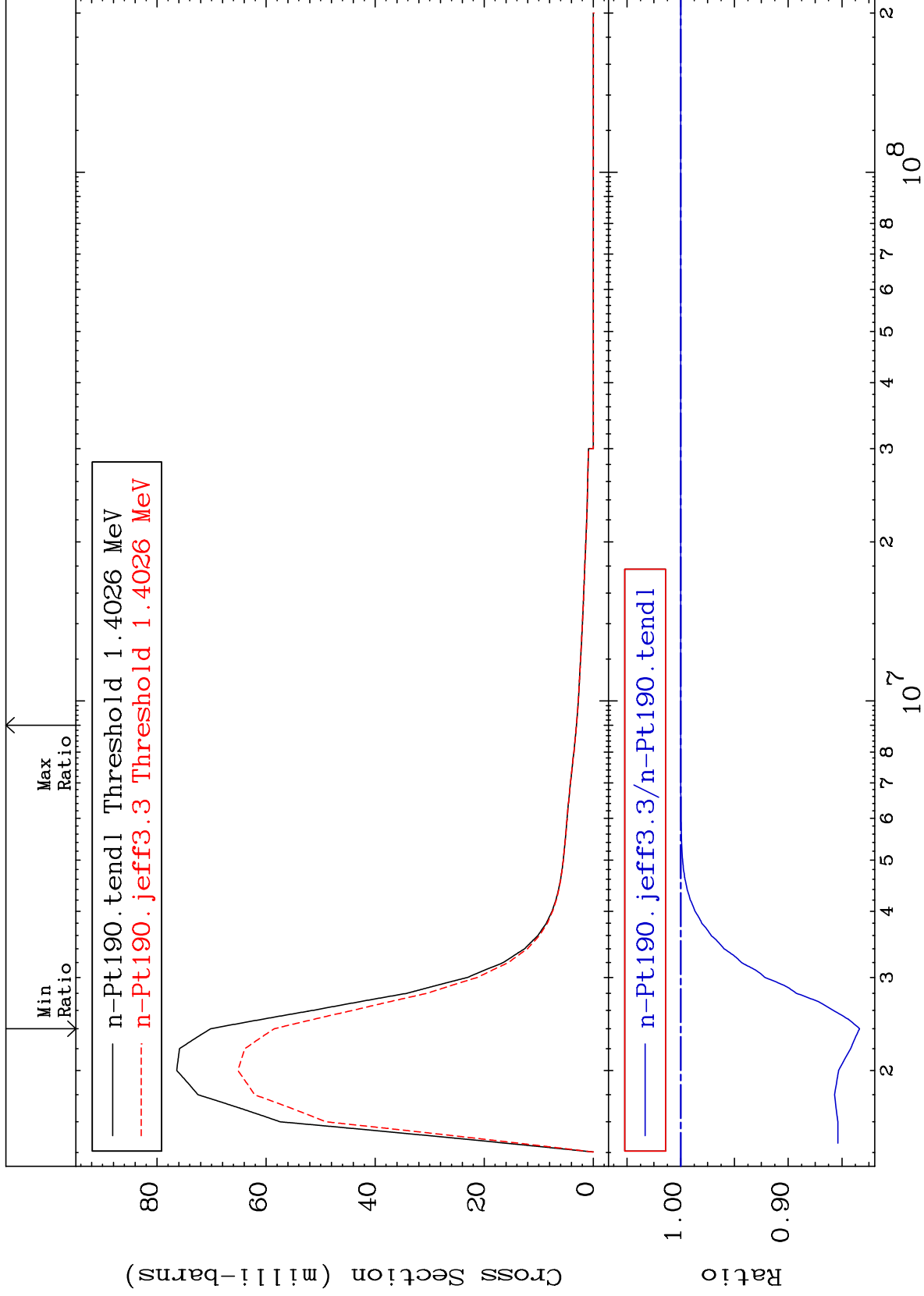
78-Pt-190  
-19.07 To 1.327 %



MAT 7825

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

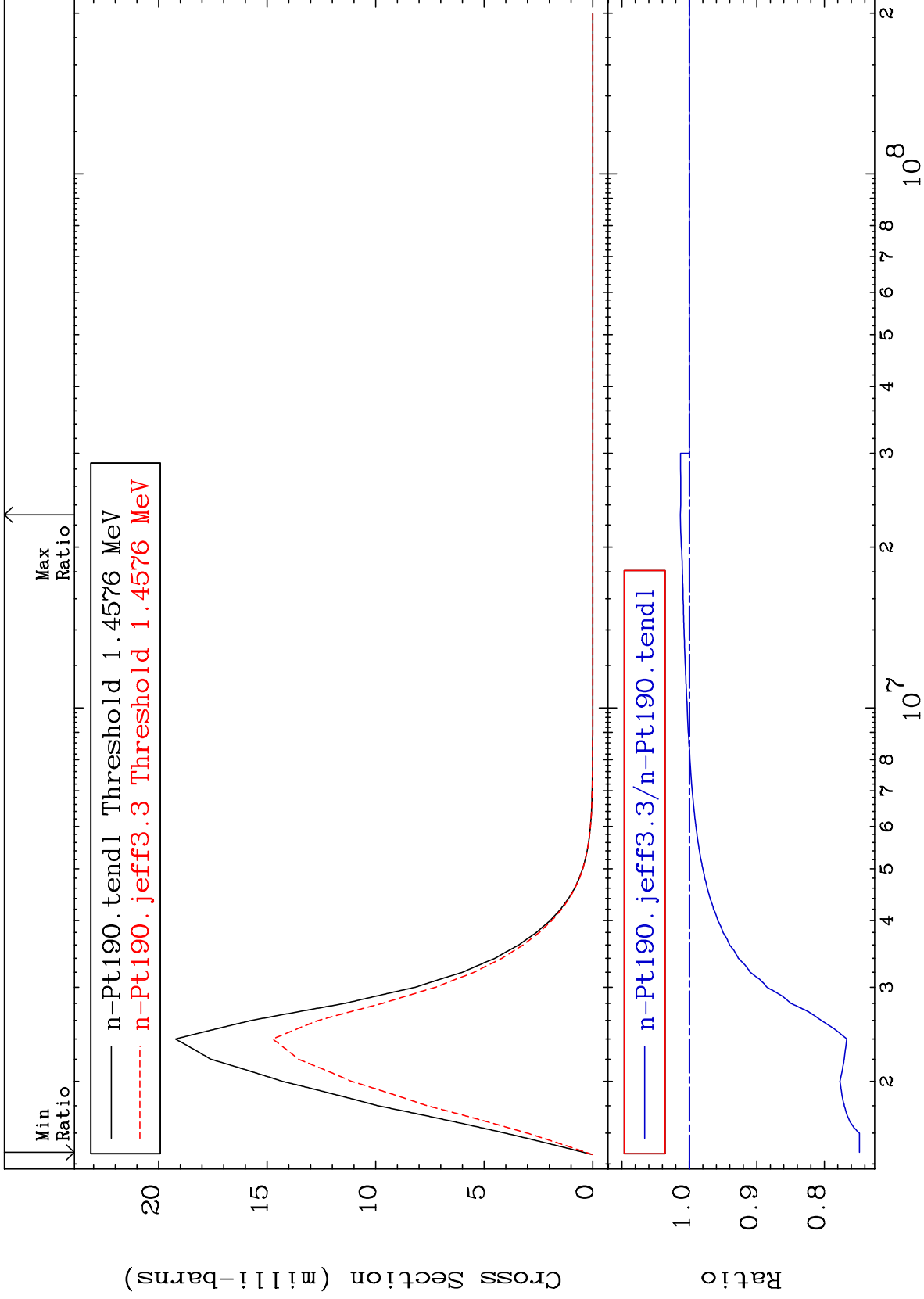
78-Pt-190  
-16.64 To 0.000 %



30

Incident Energy (eV)

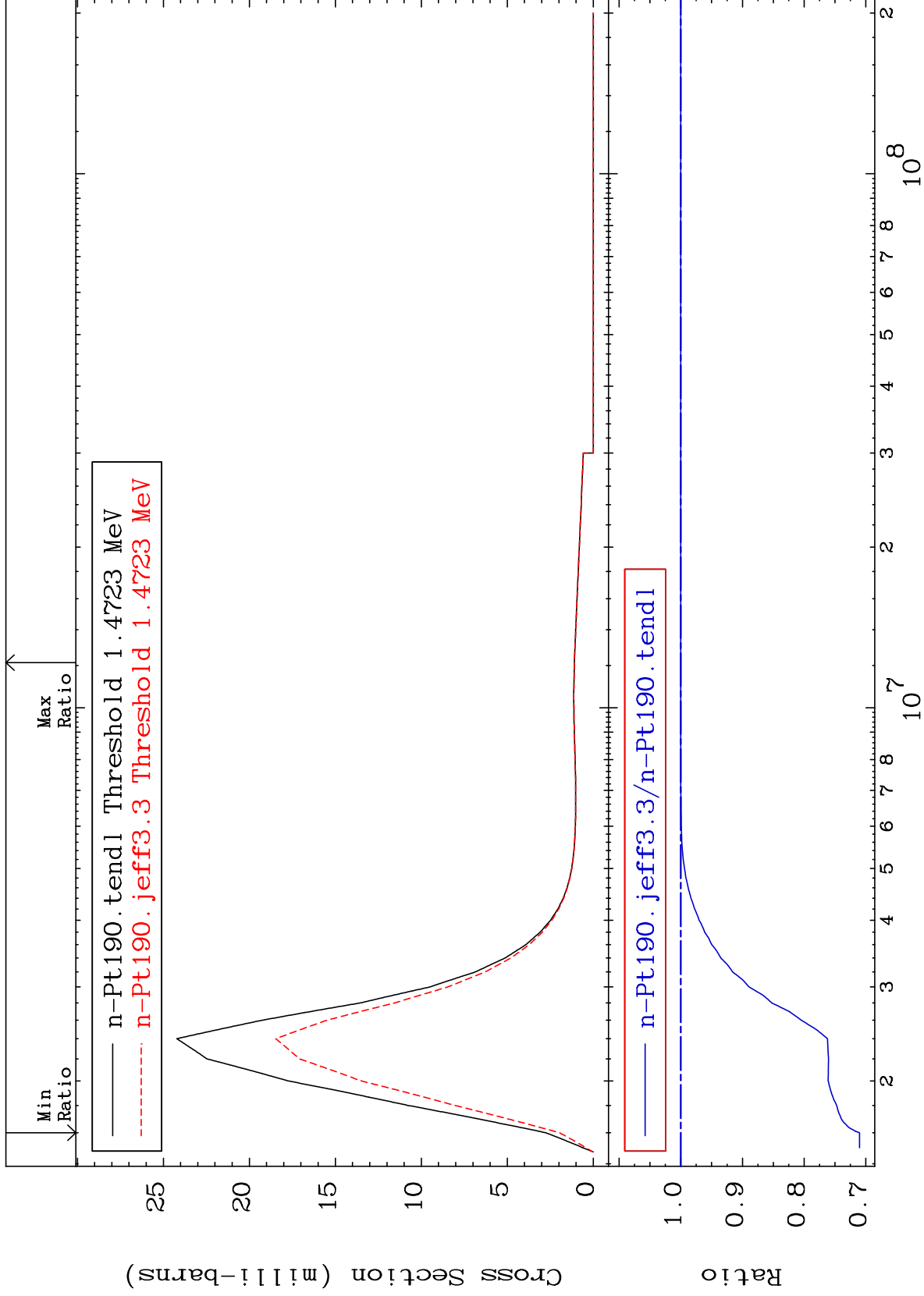
78-Pt-190



MAT 7825

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

78-Pt-190  
-28.98 To 0.000 %

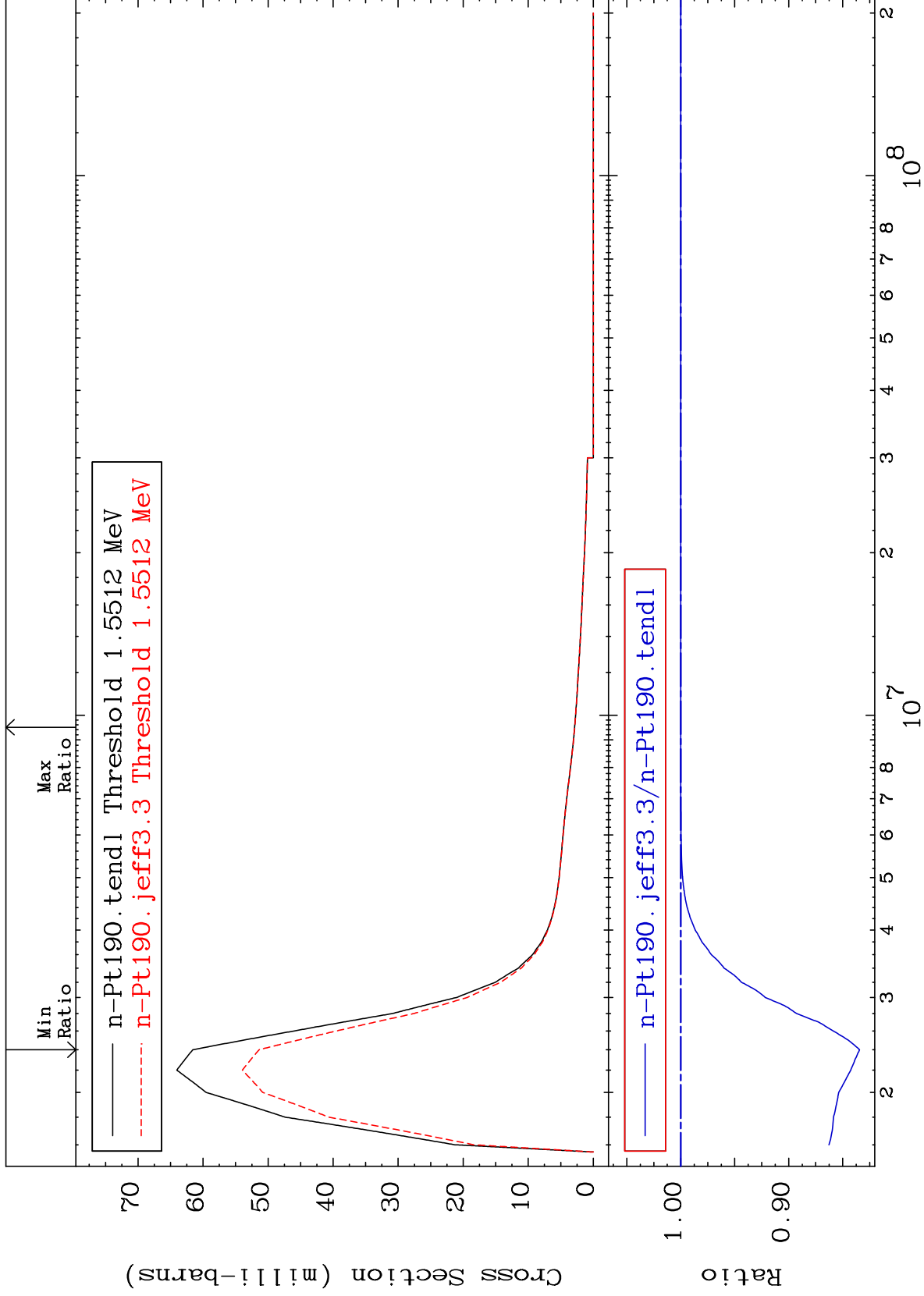




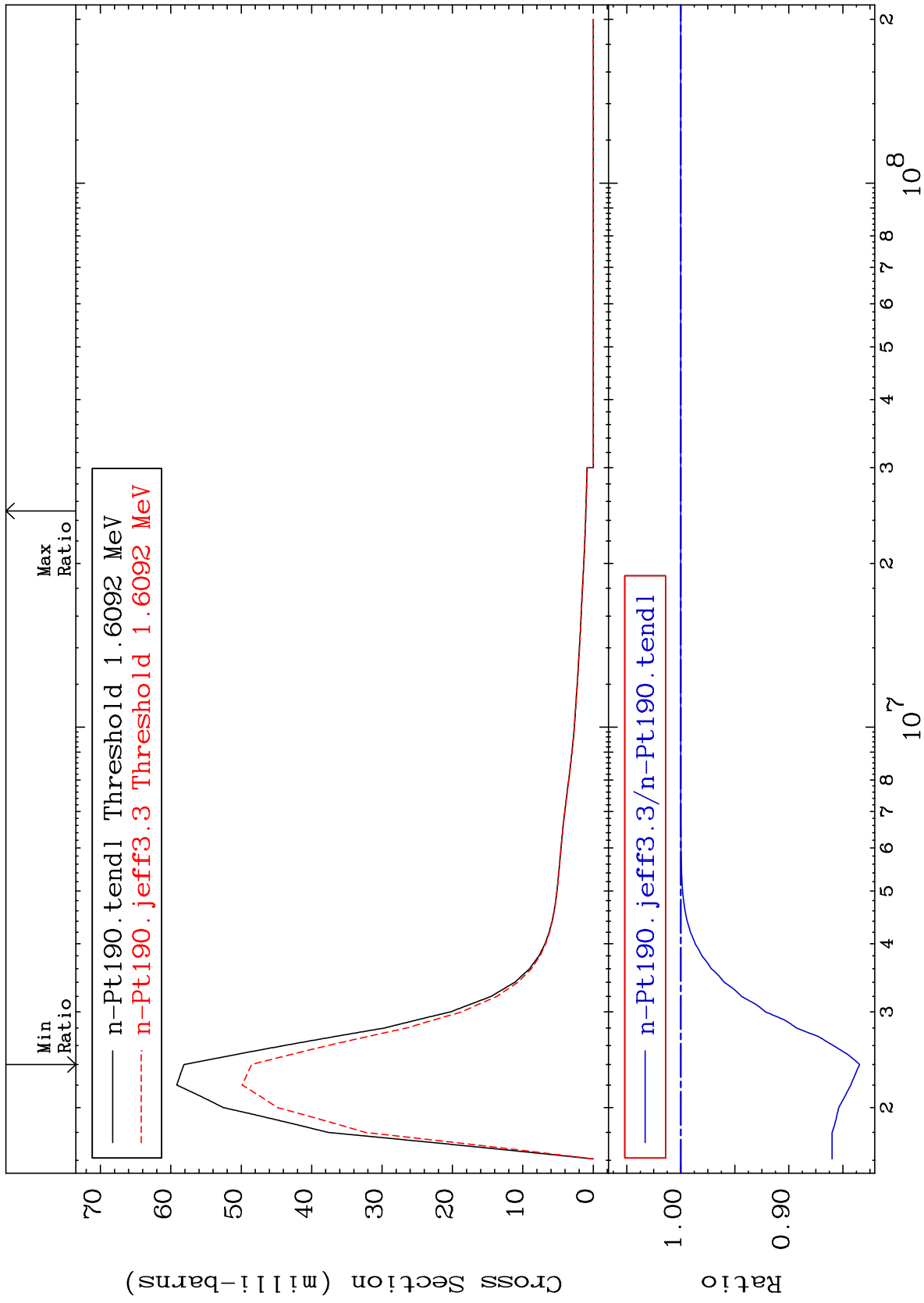
MAT 7825

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

78-Pt-190  
-16.56 To 0.000 %



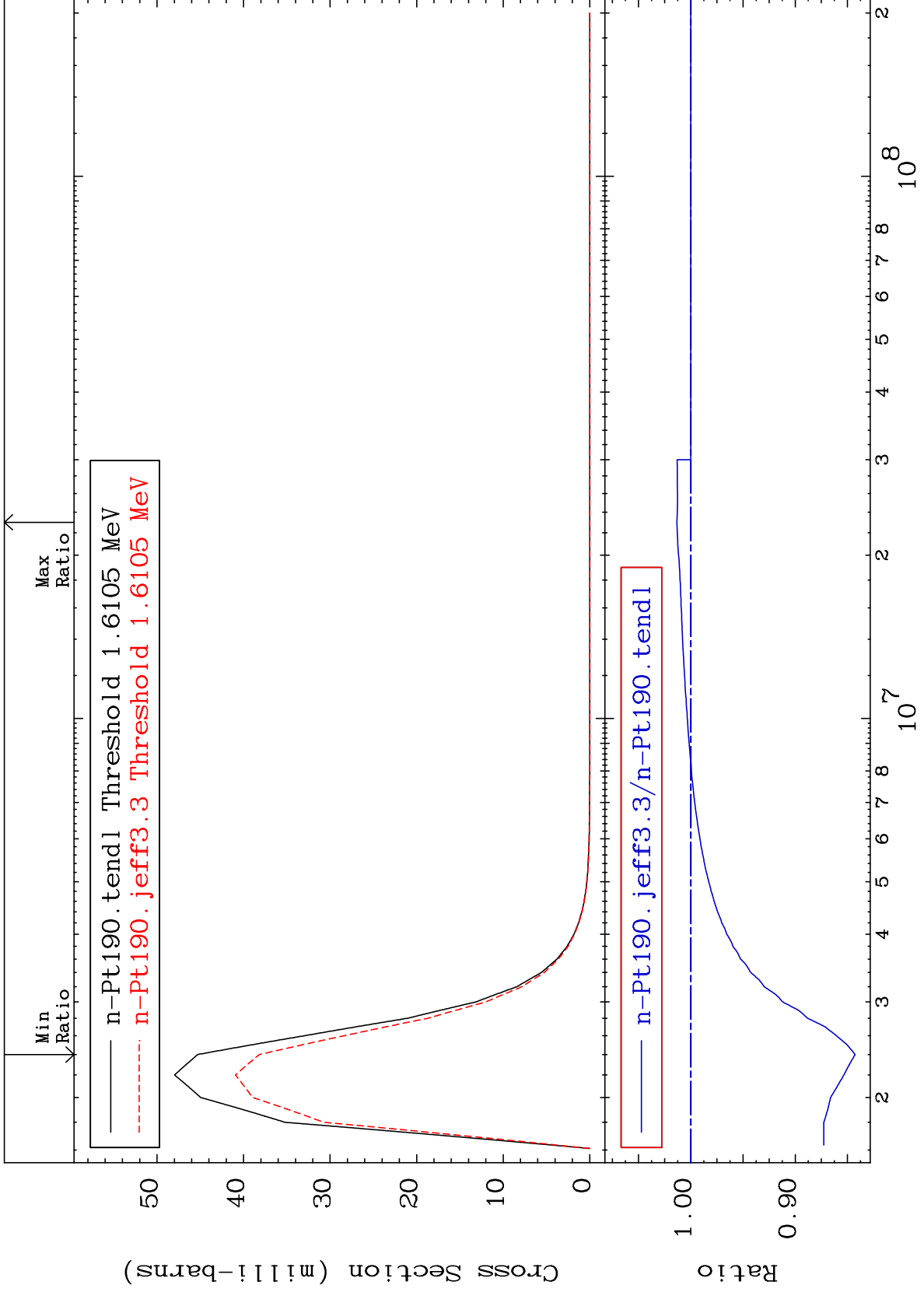
MAT 7825 MT= 65 (n,n') Level Cross Section -16.54 To 0.000 % 78-Pt-190



MAT 7825

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

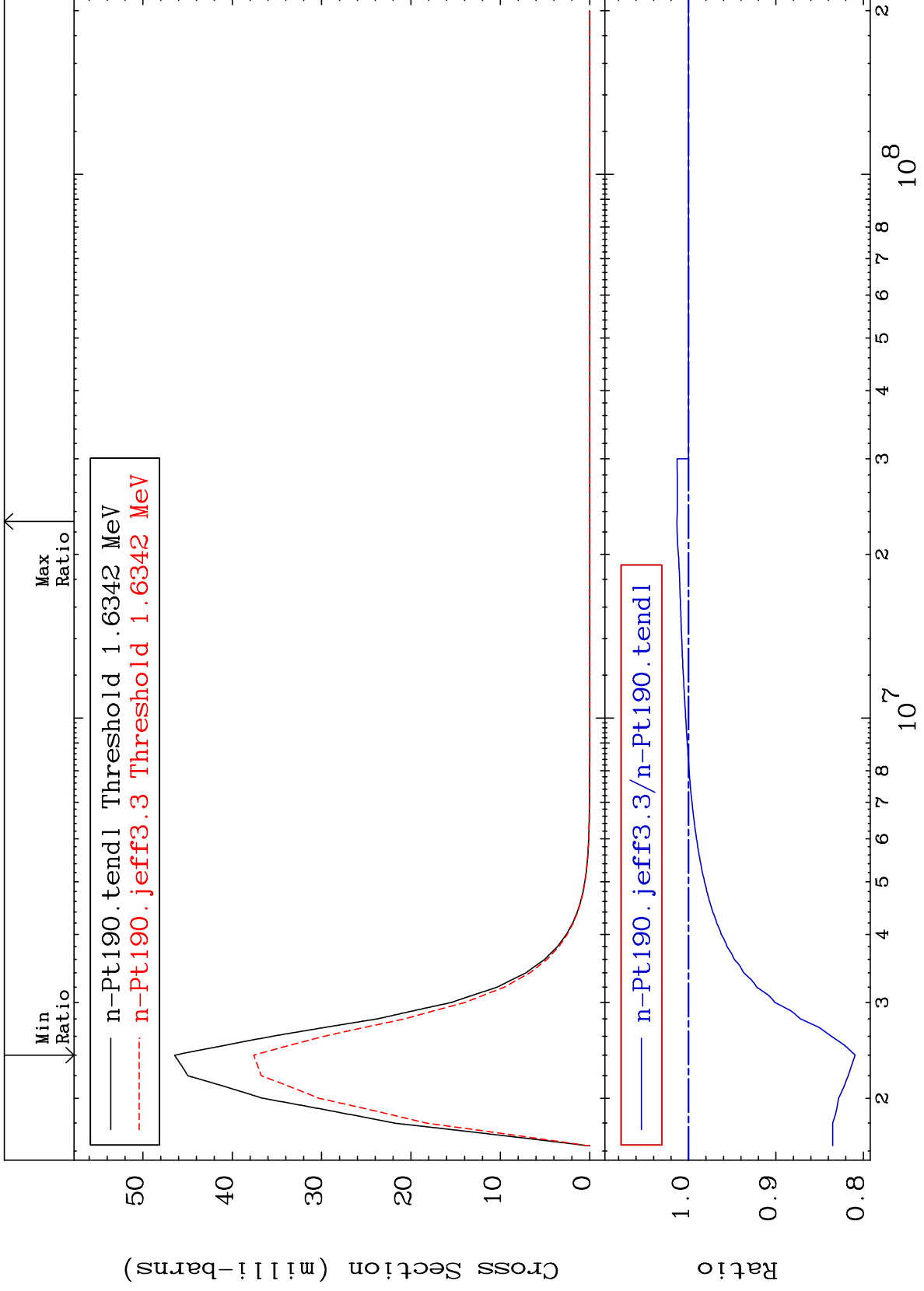
78-Pt-190  
-15.73 To 1.327 %



MAT 7825

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

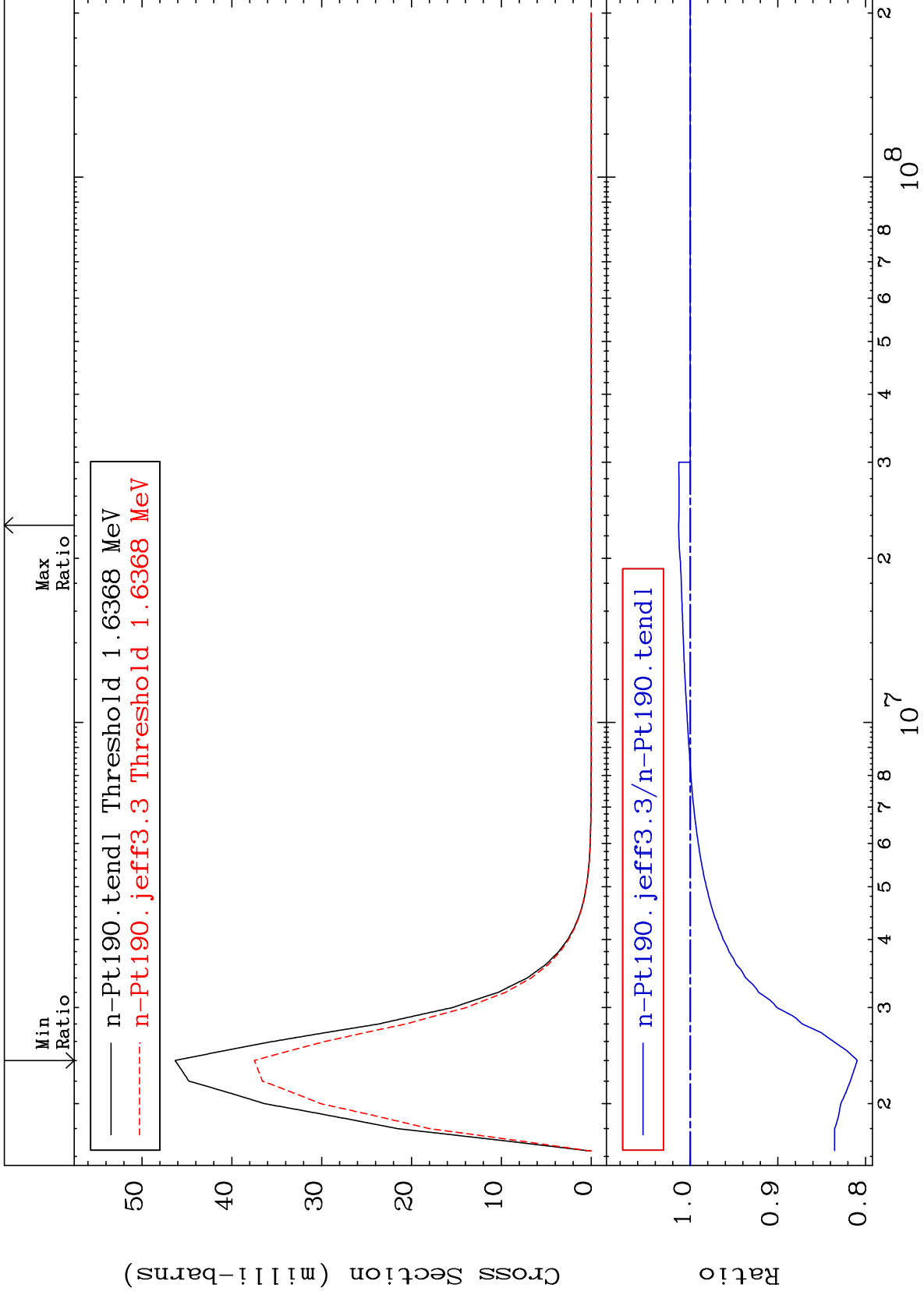
78-Pt-190  
-19.06 To 1.327 %



MAT 7825

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

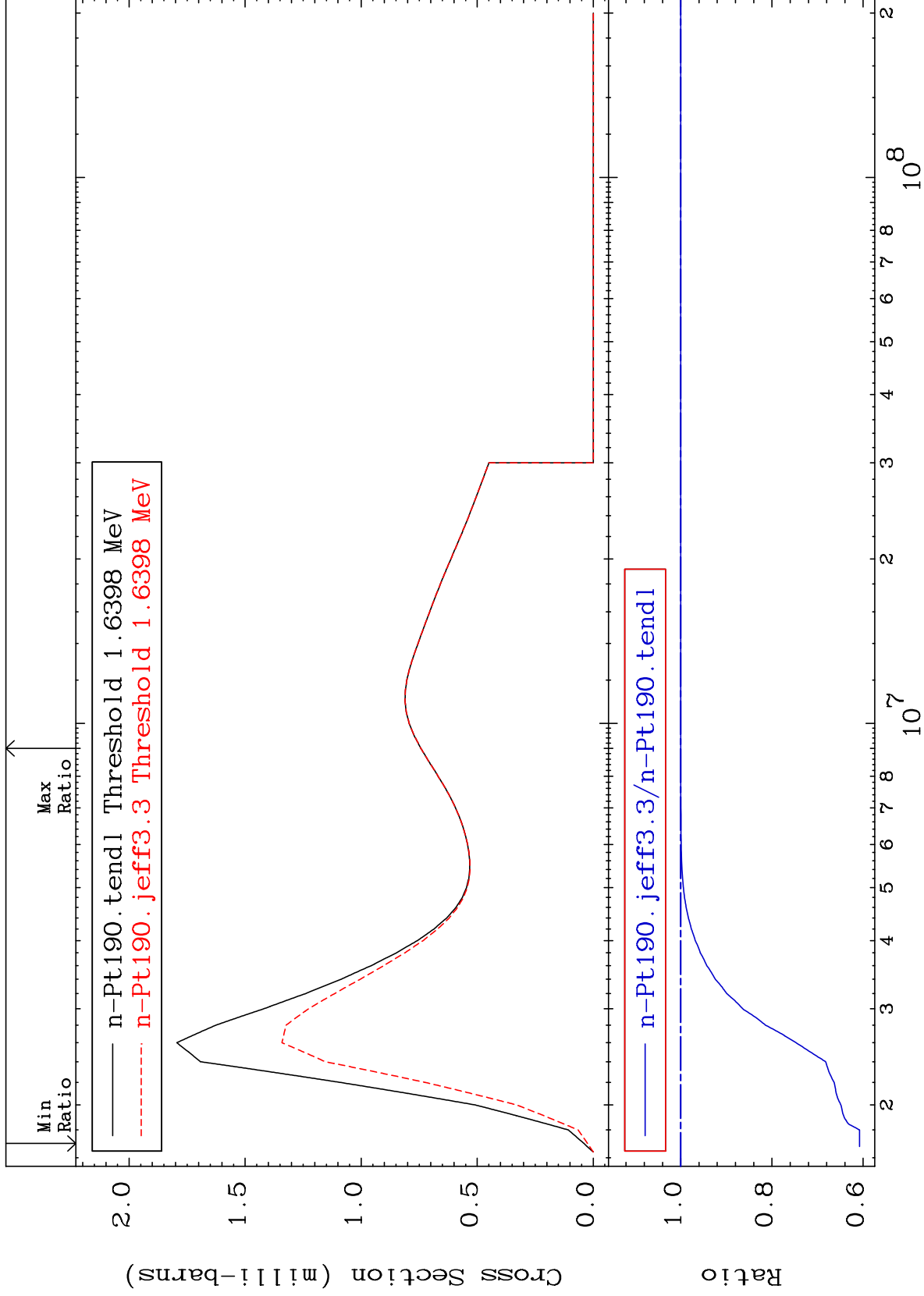
78-Pt-190  
-19.06 To 1.327 %



MAT 7825

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

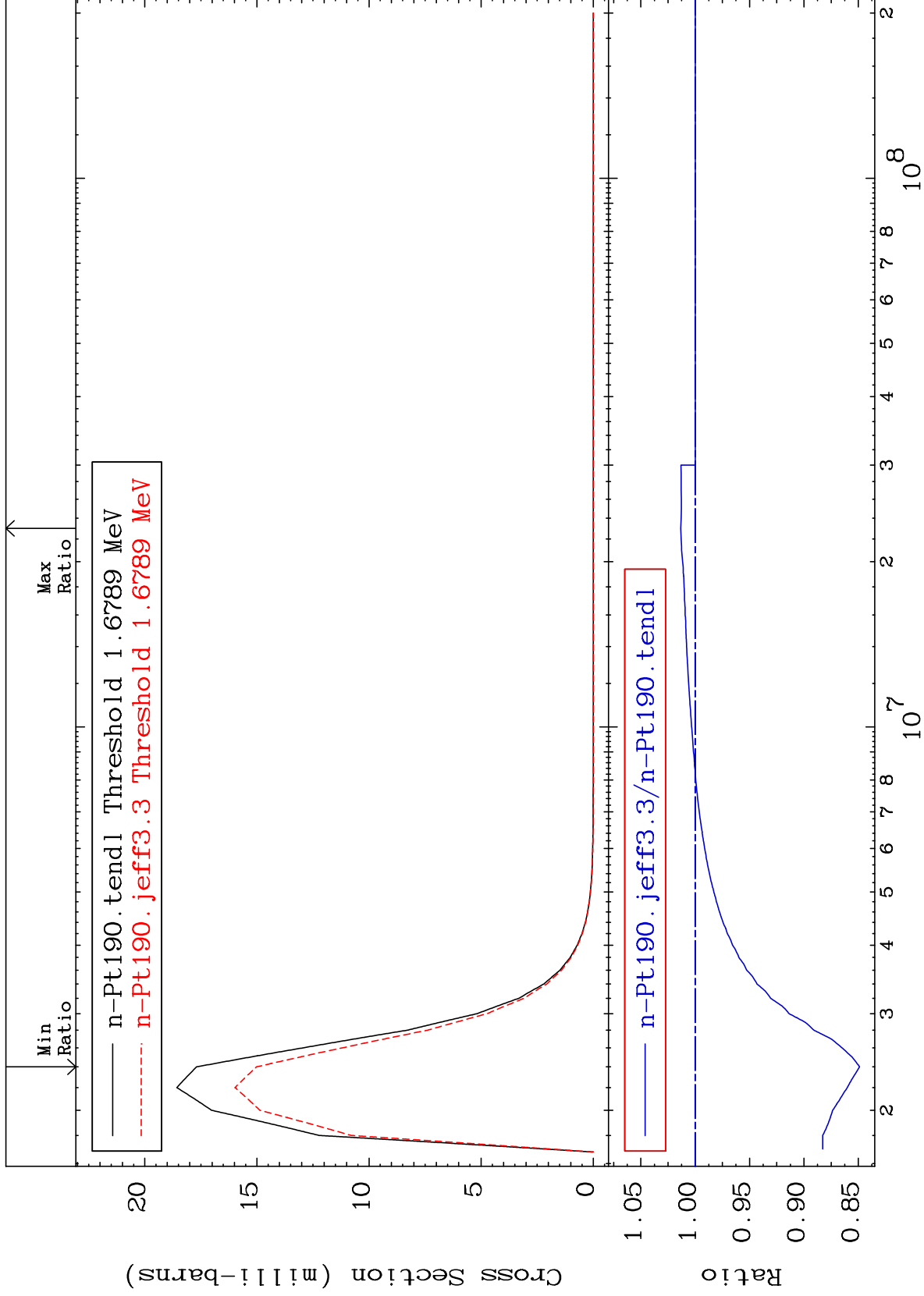
78-Pt-190  
-39.20 To 0.000 %



MAT 7825

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

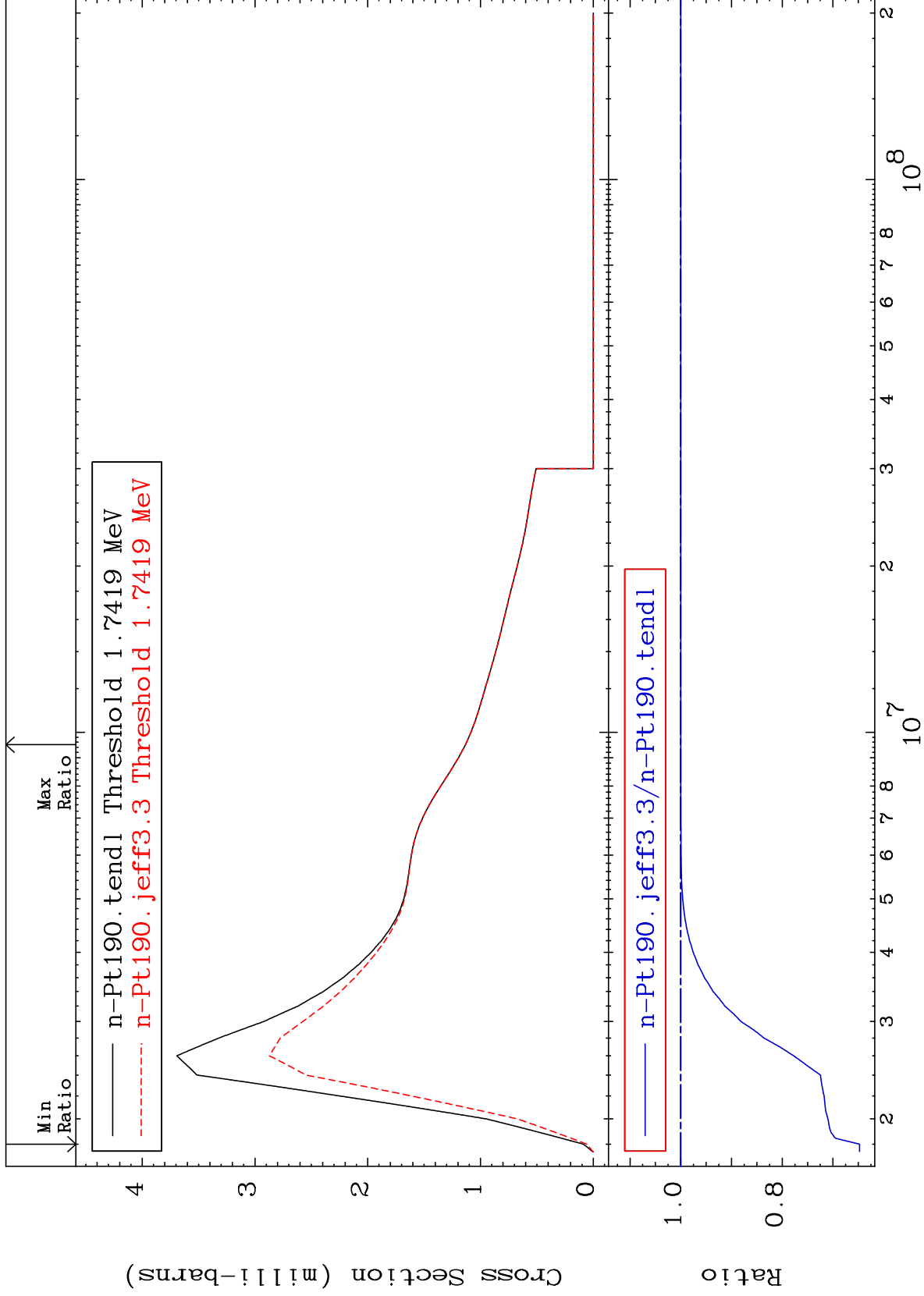
78-Pt-190  
-15.11 To 1.327 %



MAT 7825

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

78-Pt-190  
-35.24 To 0.000 %

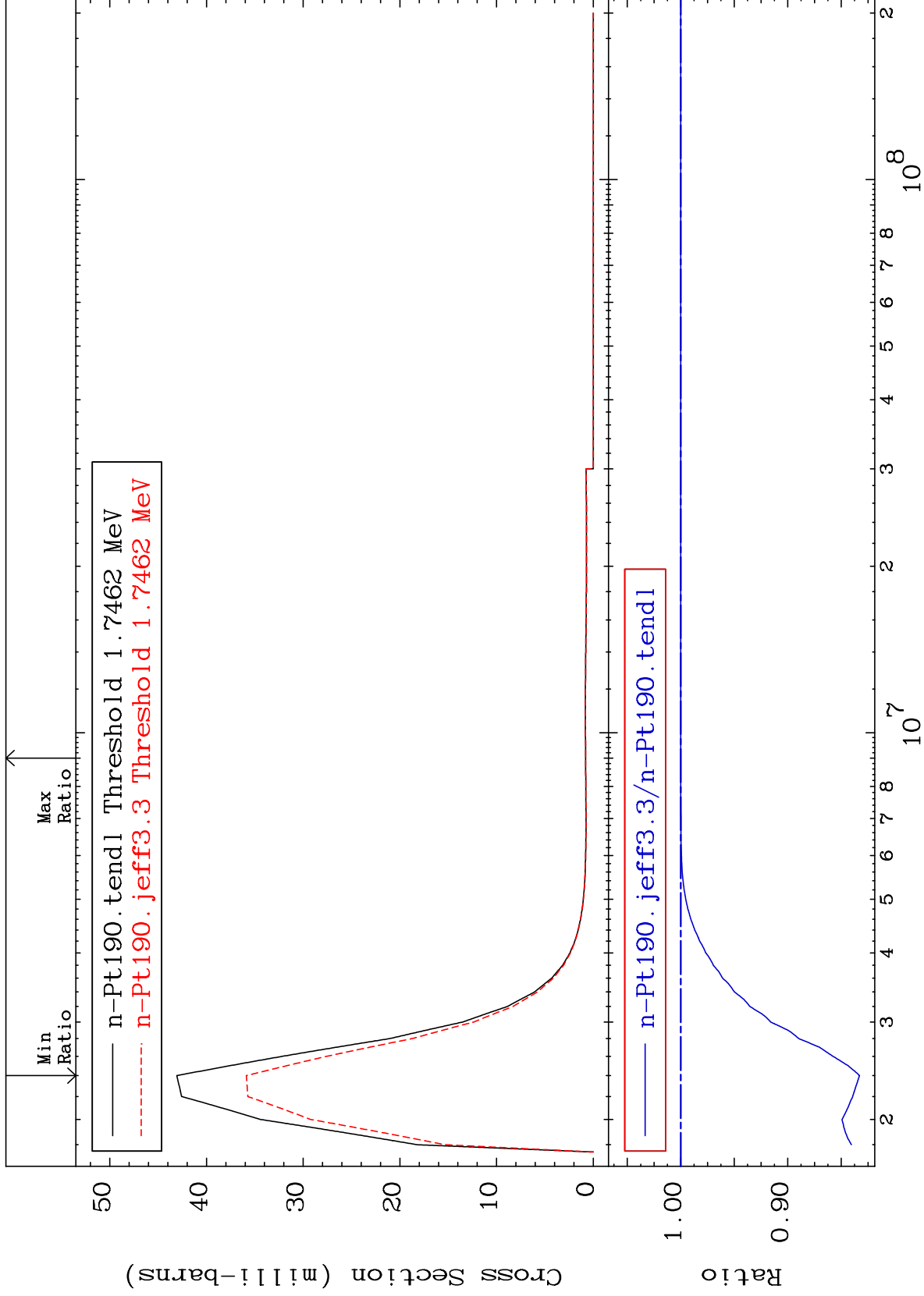




MAT 7825

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

78-Pt-190  
-16.71 To 0.000 %



41

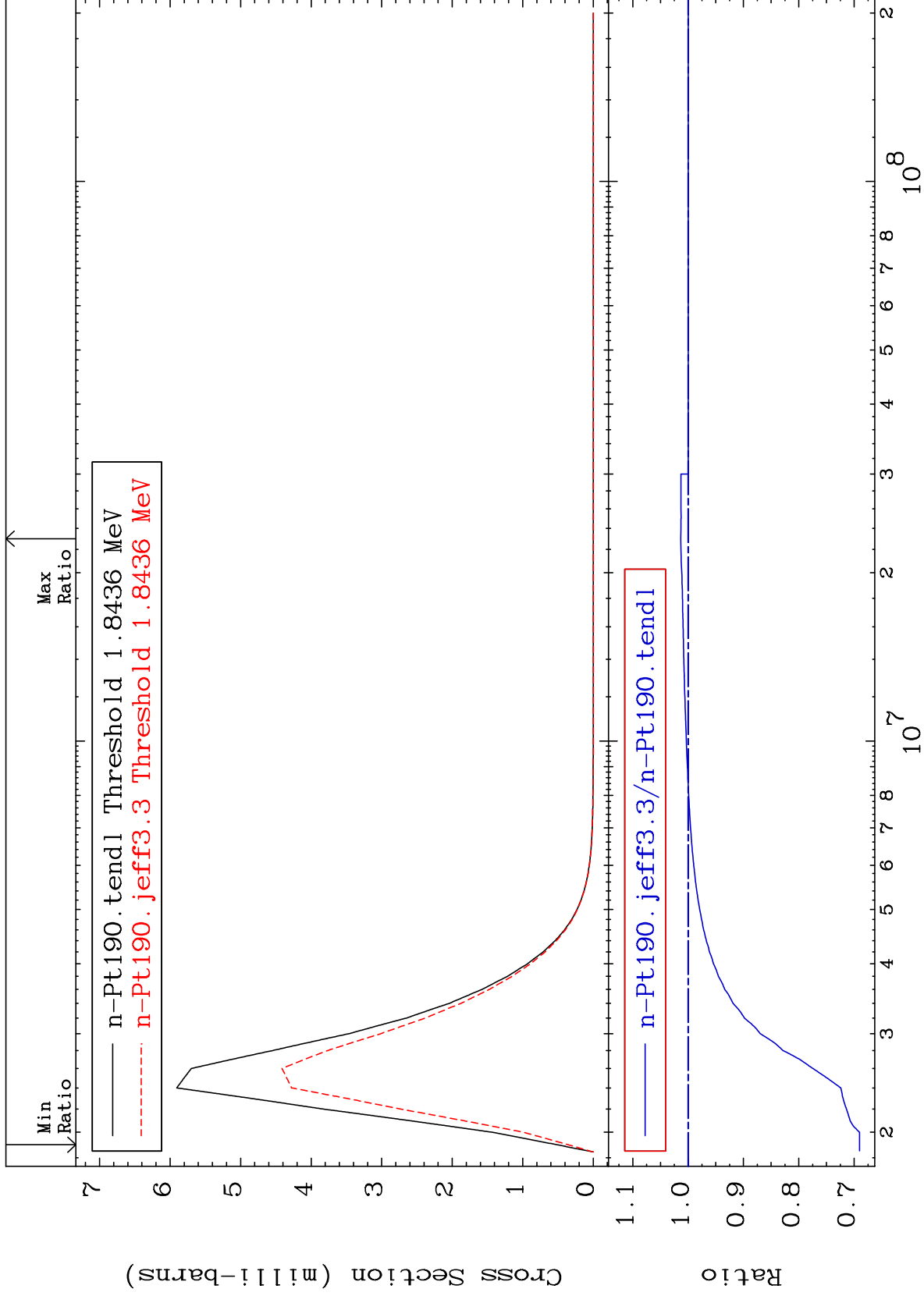
Incident Energy (eV)

78-Pt-190

MAT 7825

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

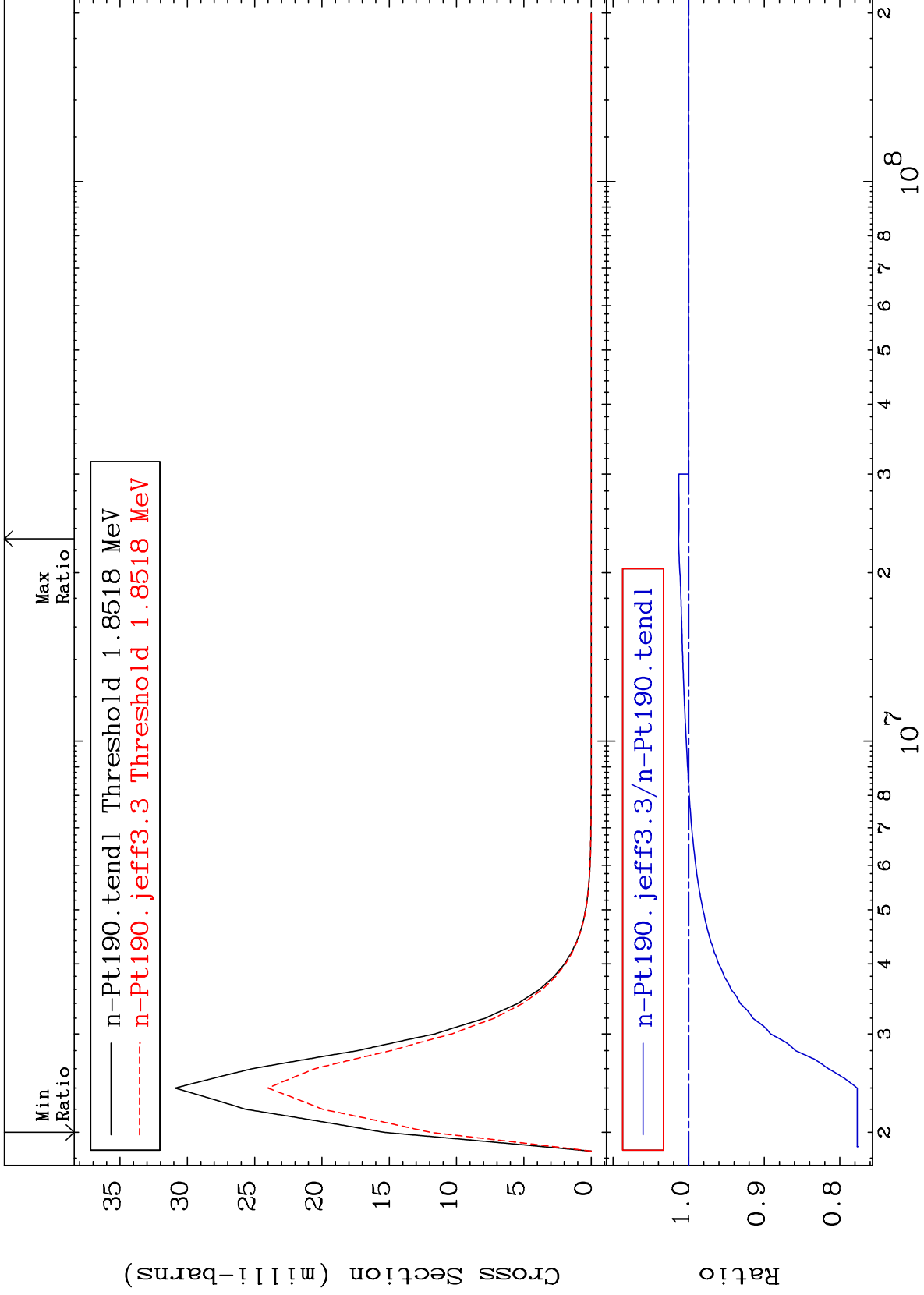
78-Pt-190  
-30.97 To 1.328 %



MAT 7825

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

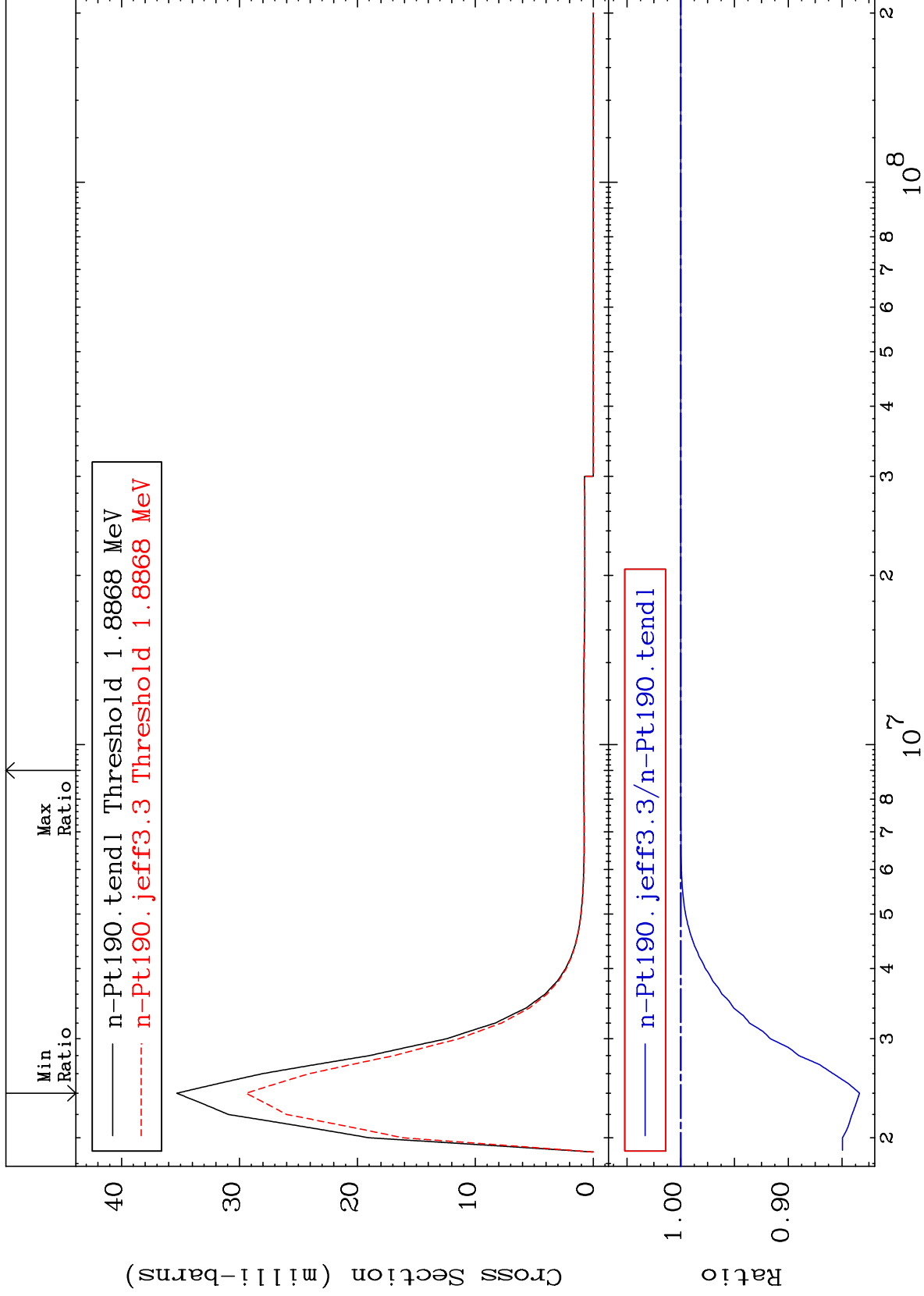
78-Pt-190  
-22.30 To 1.328 %



MAT 7825

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

78-Pt-190  
-16.63 To 0.000 %



44

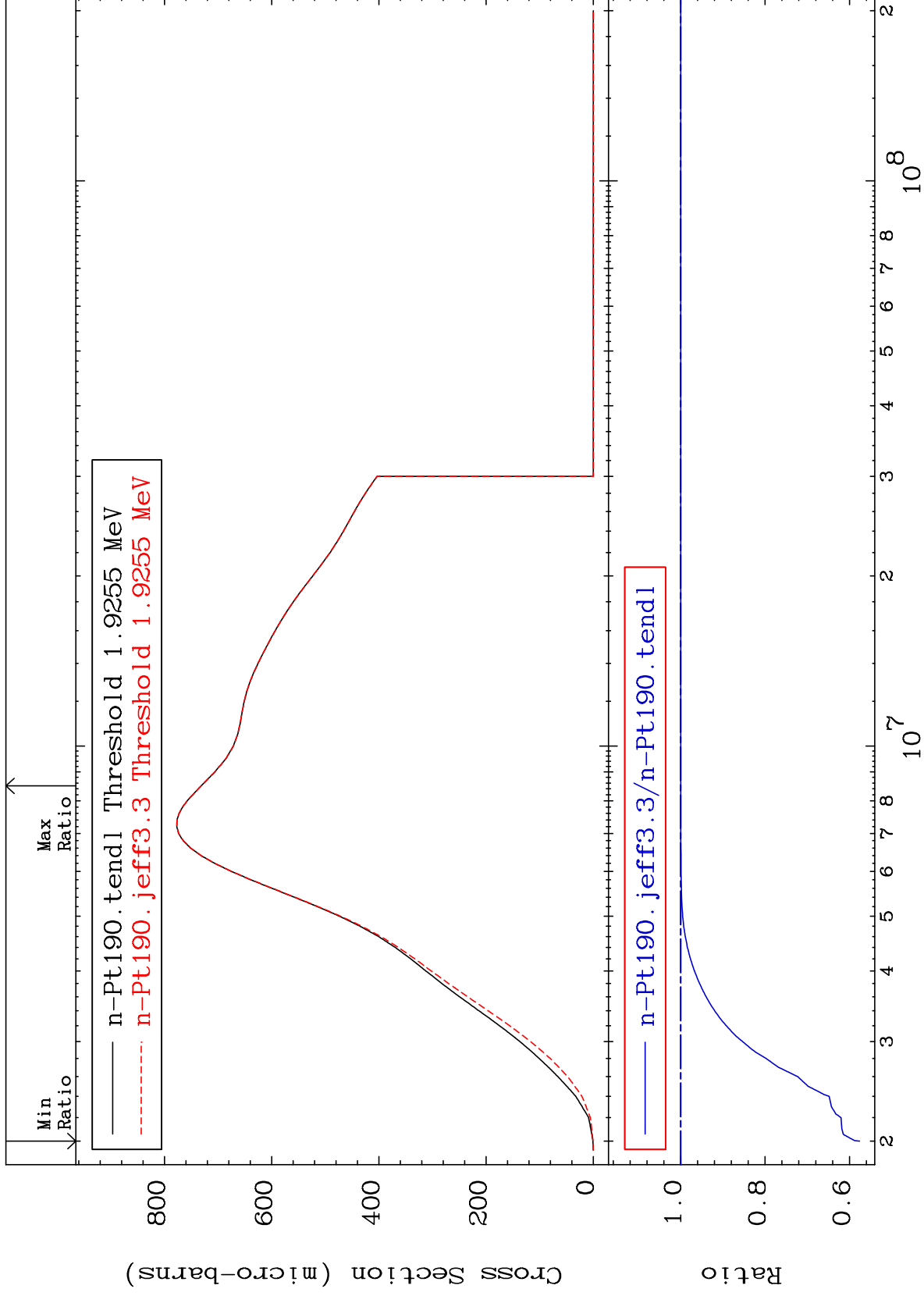
Incident Energy (eV)

78-Pt-190

MAT 7825

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

78-Pt-190  
-42.39 To 0.000 %



45

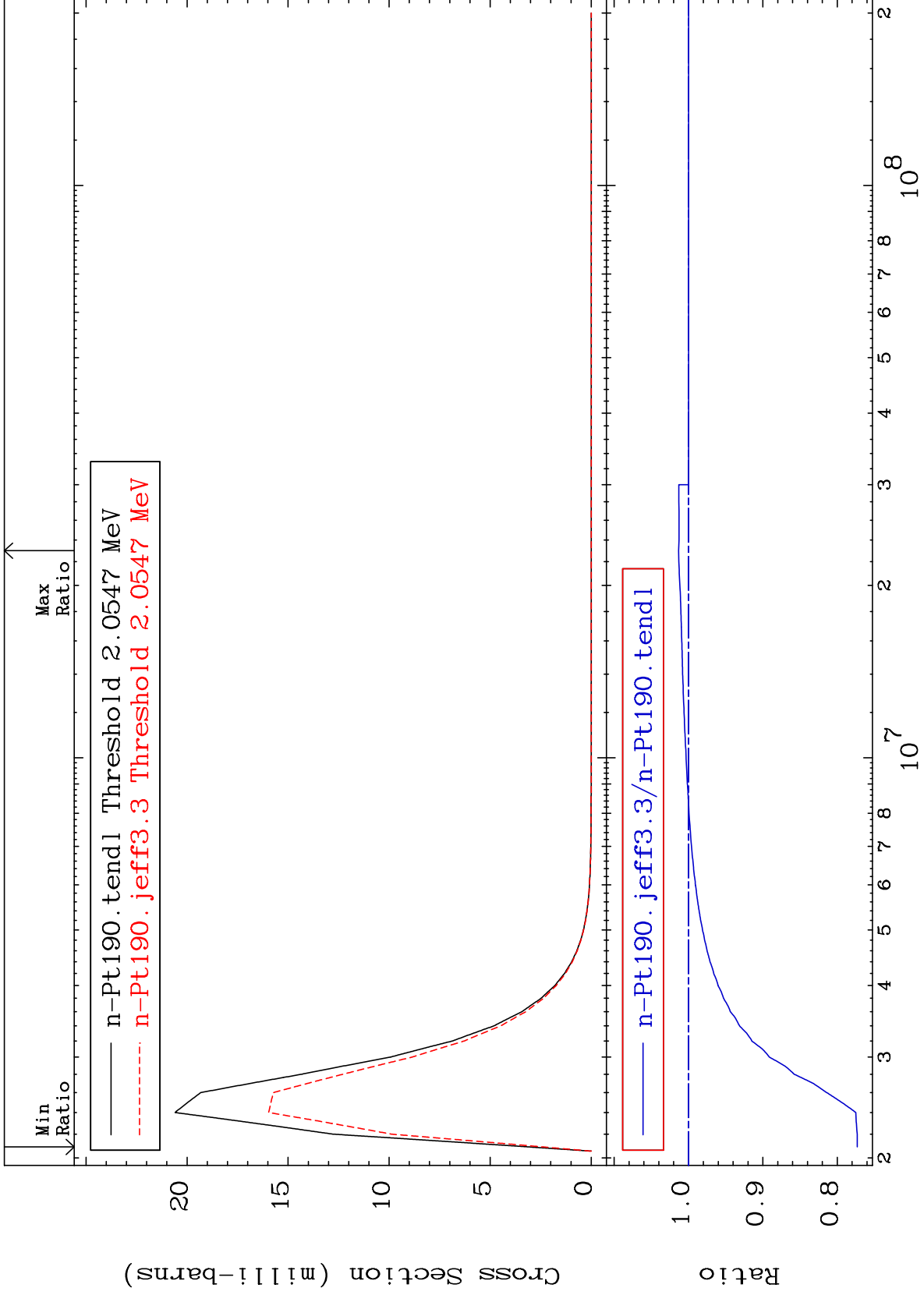
Incident Energy (eV)

78-Pt-190

MAT 7825

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

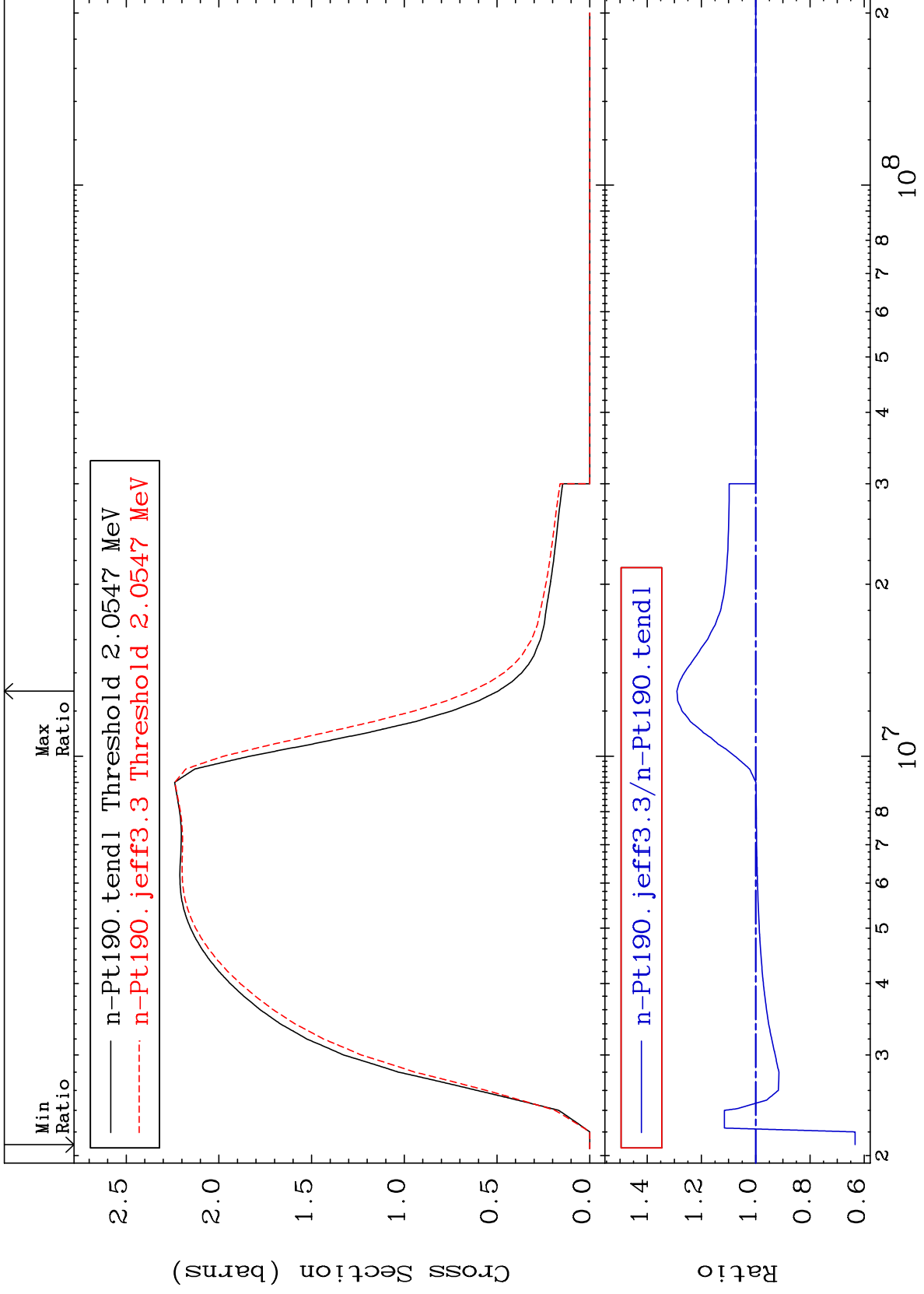
78-Pt-190  
-22.69 To 1.328 %



MAT 7825

(n, n') Continuum  
Cross Section

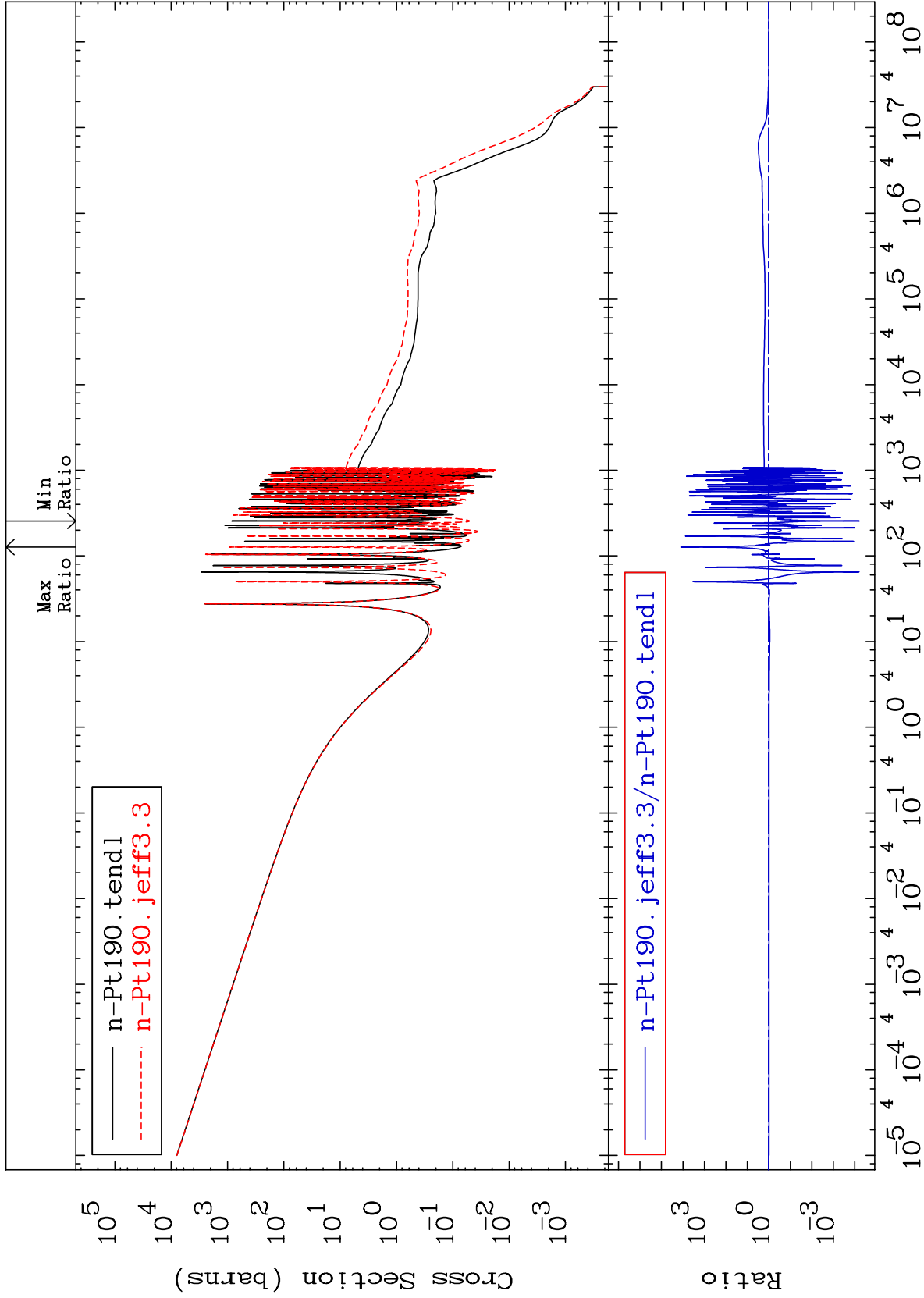
78-Pt-190  
-36.60 To 29.04 %



MAT 7825

(n,  $\gamma$ )  
Cross Section

78-Pt-190  
-99.99 To 9999. %





MAT 7825

78-Pt-190

(n, p)

Cross Section

-63.00 To 6.366 %

Min Ratio

Max Ratio

— n-Pt190.tendl Threshold 996.54 eV  
- - - n-Pt190.jeff3.3 Threshold 1.0760 keV

Cross Section (milli-barns)

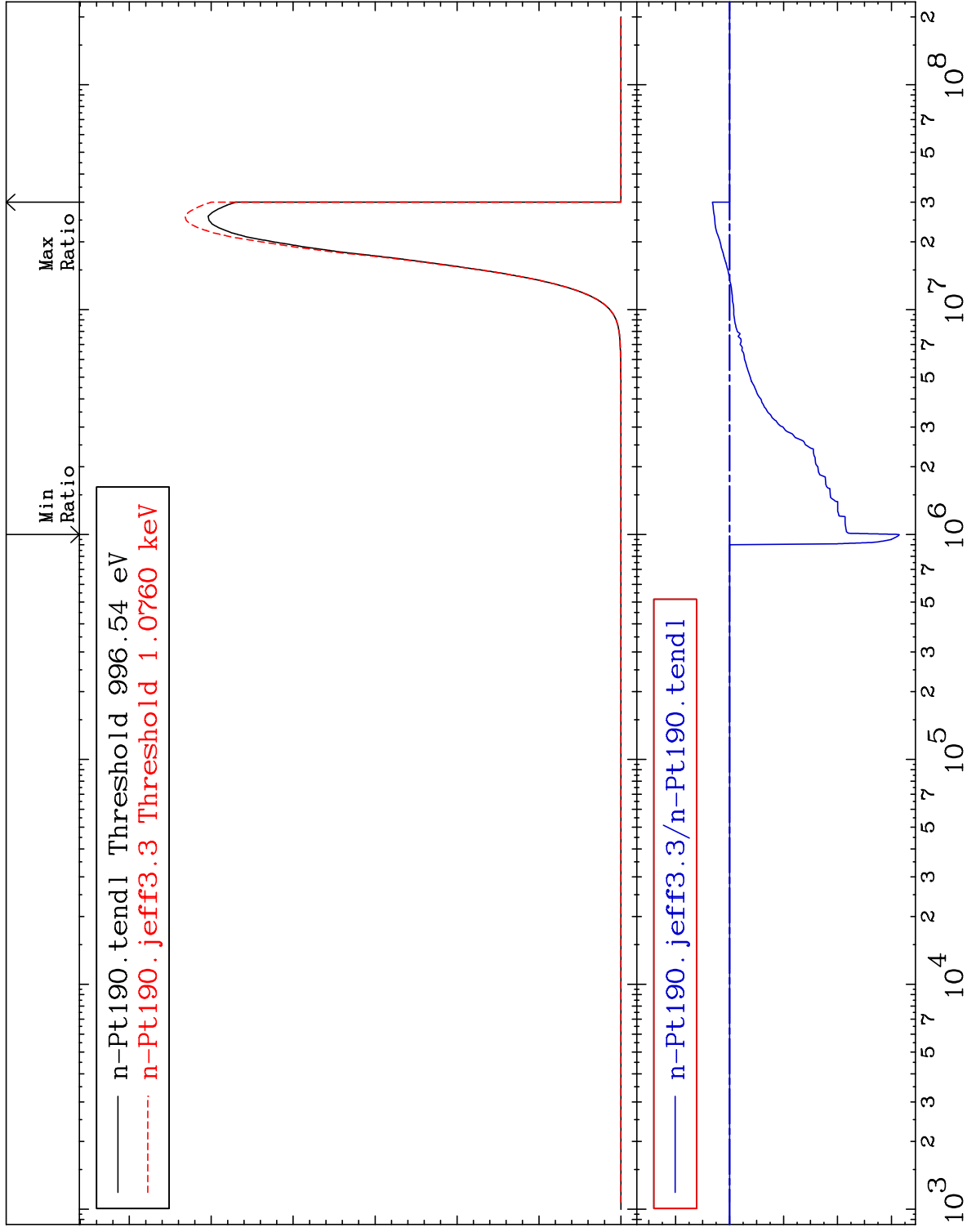
— n-Pt190.jeff3.3/n-Pt190.tendl

Ratio

Incident Energy (eV)

78-Pt-190

49



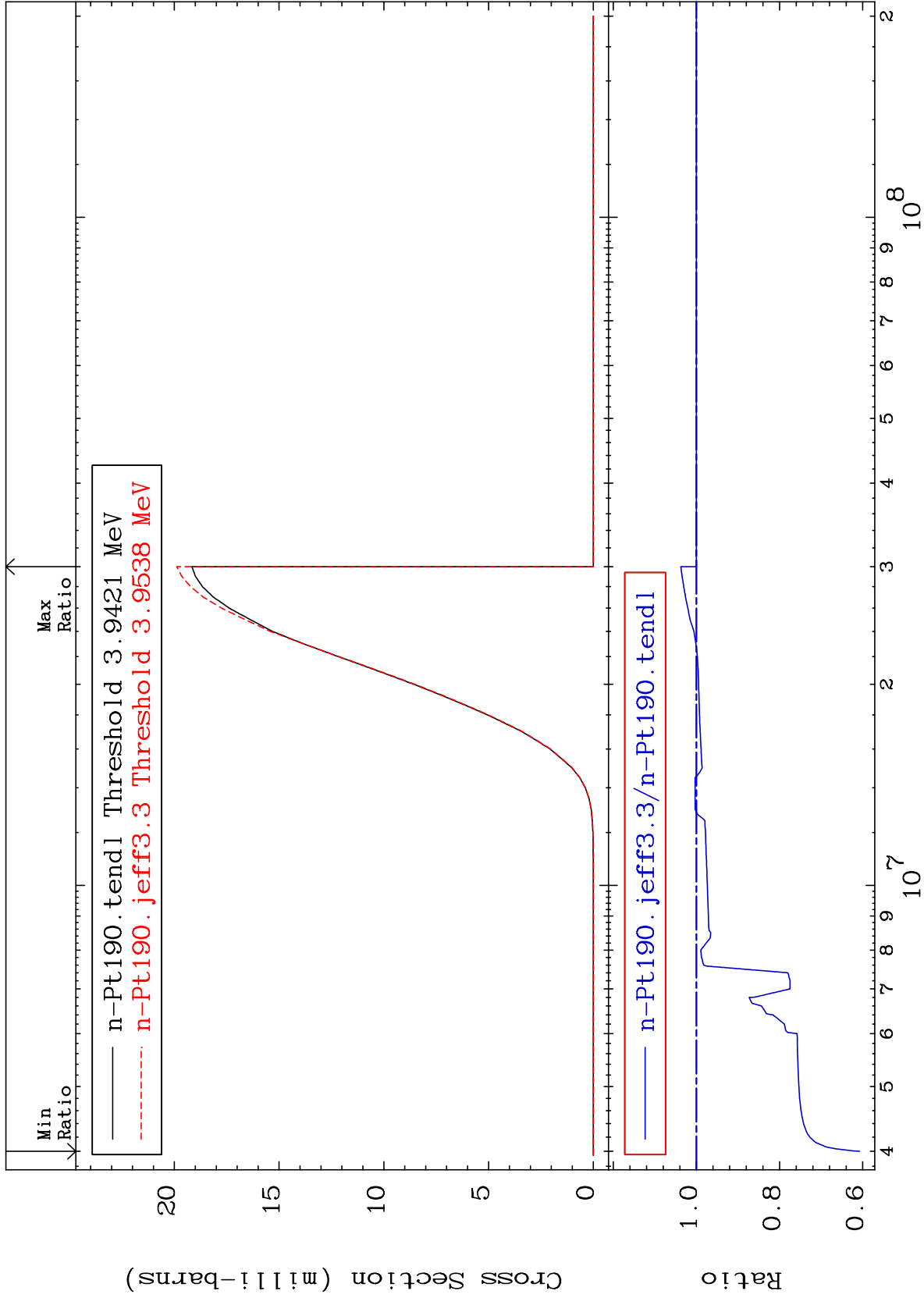
MAT 7825

(n, d)

78-Pt-190

Cross Section

-39.23 To 3.765 %

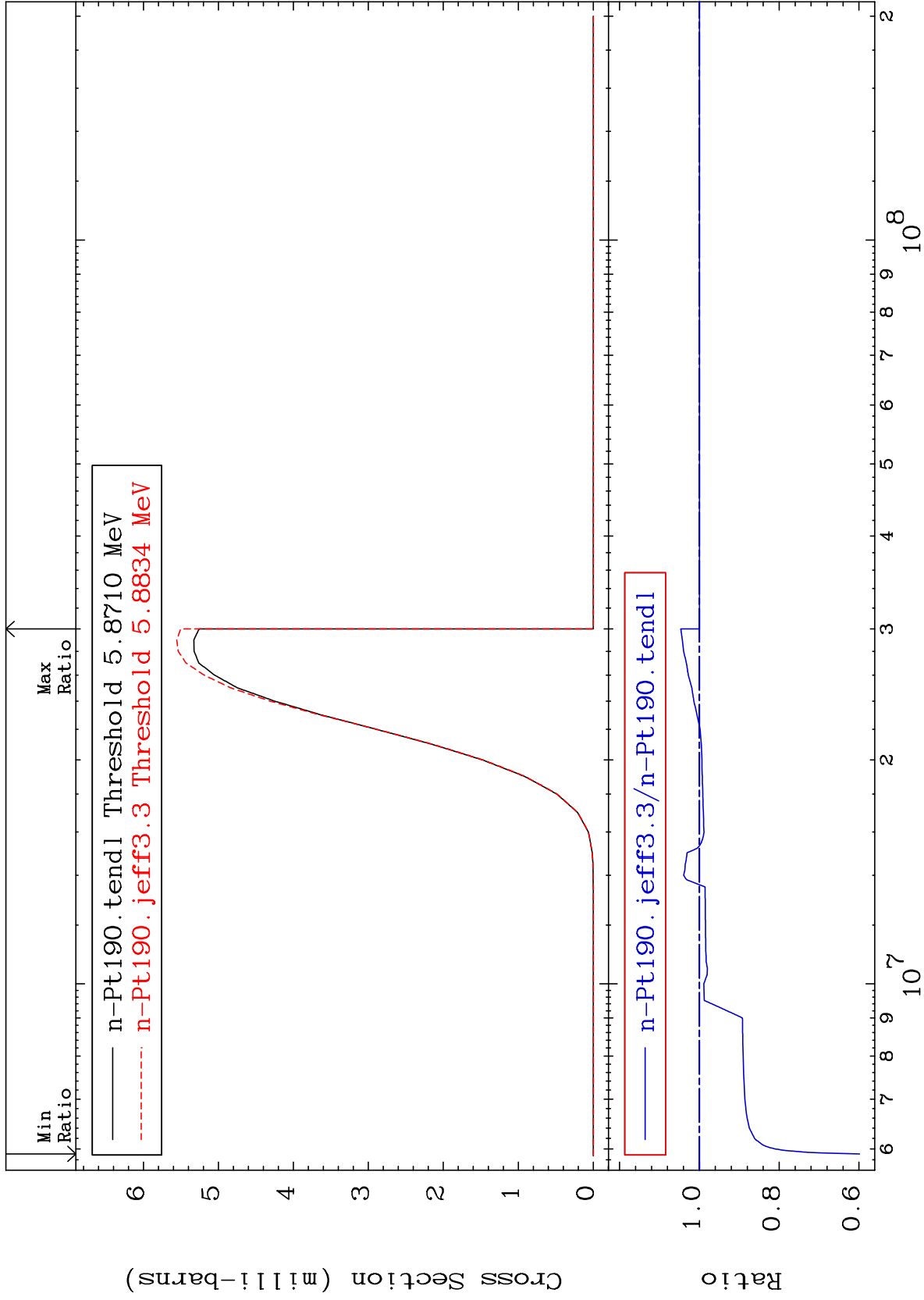


50

Incident Energy (eV)

78-Pt-190

(n, t)  
Cross Section  
-40.15 To 4.661 %



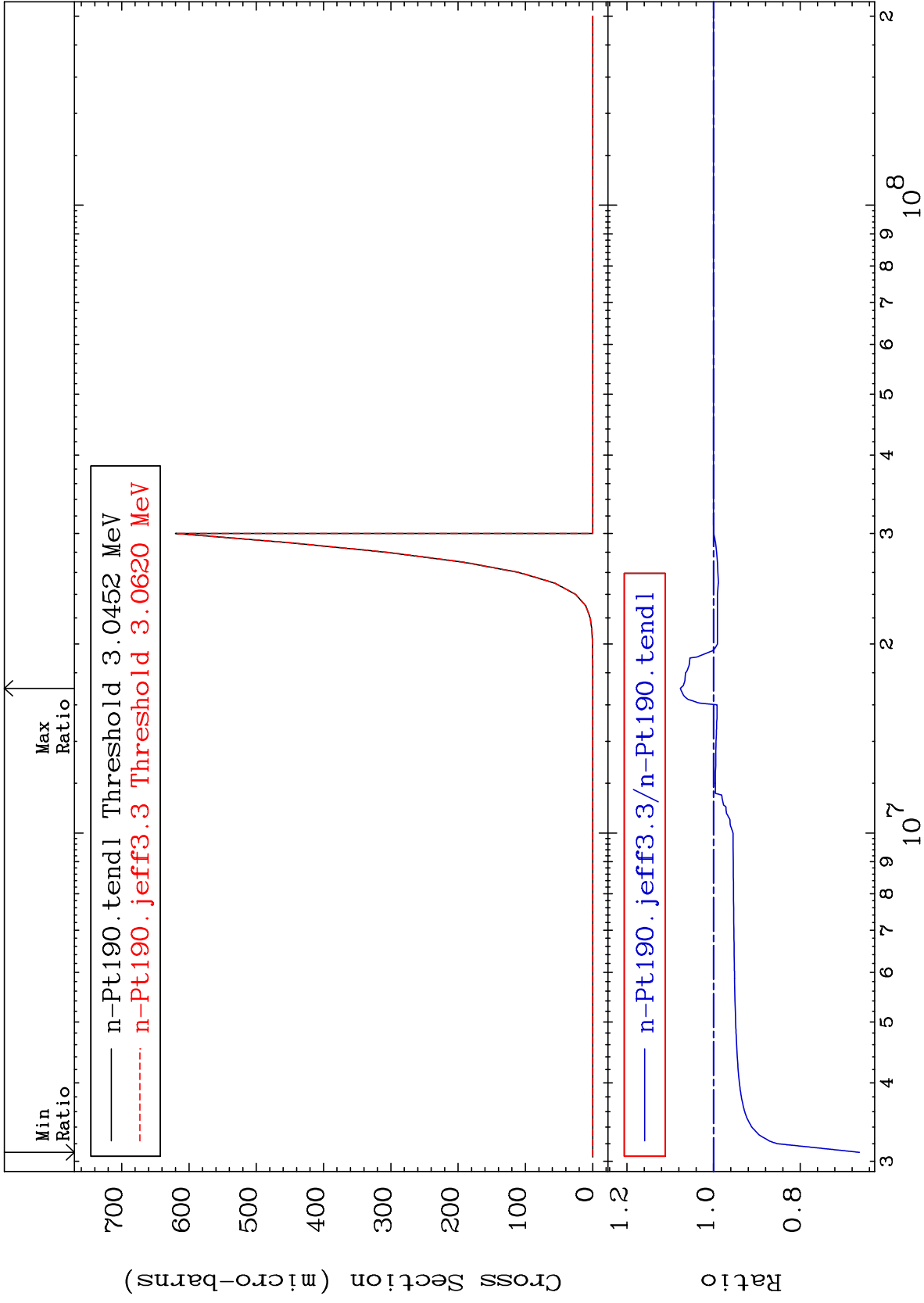
MAT 7825

(n, He-3)

78-Pt-190

Cross Section

-33.69 To 7.664 %



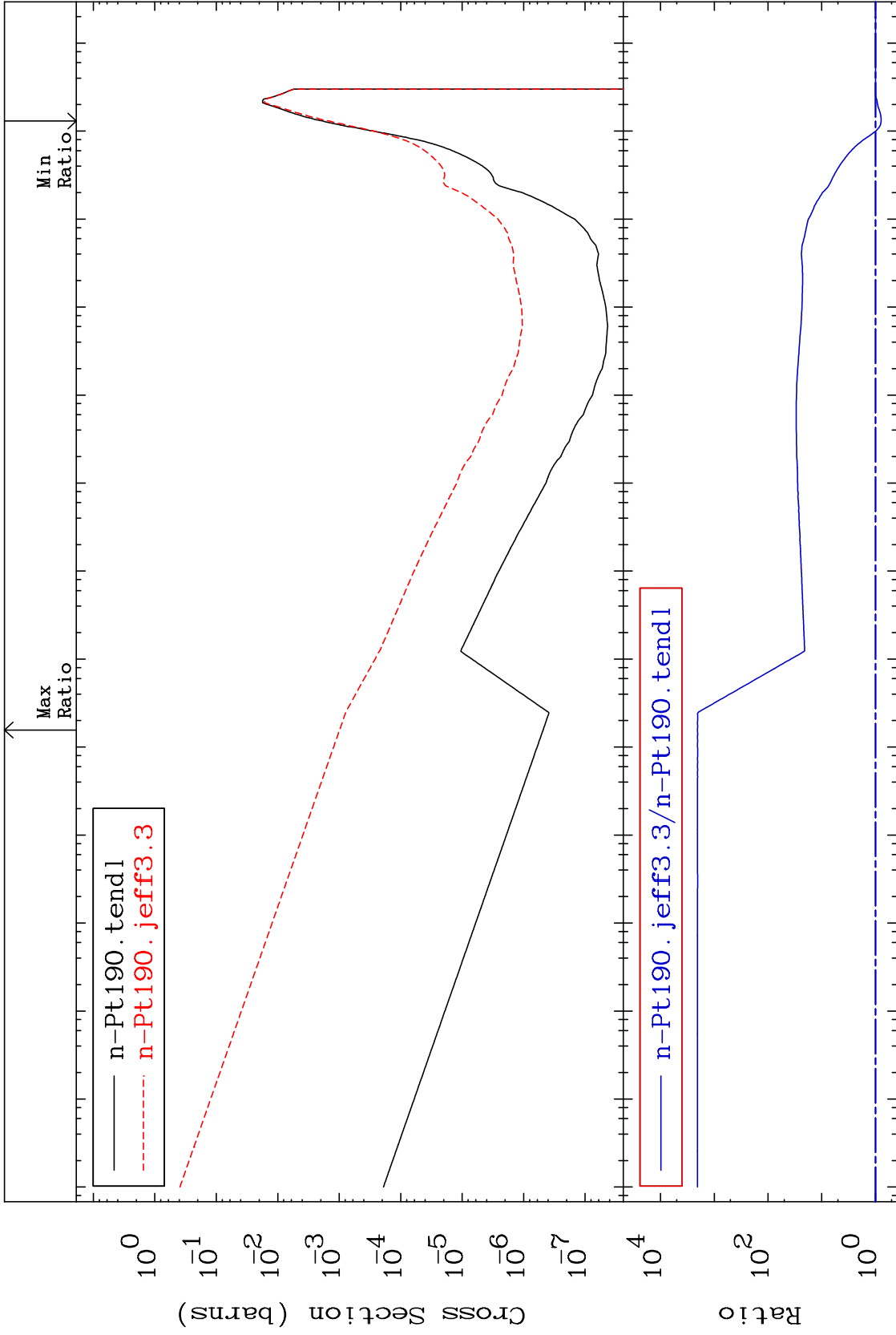
MAT 7825

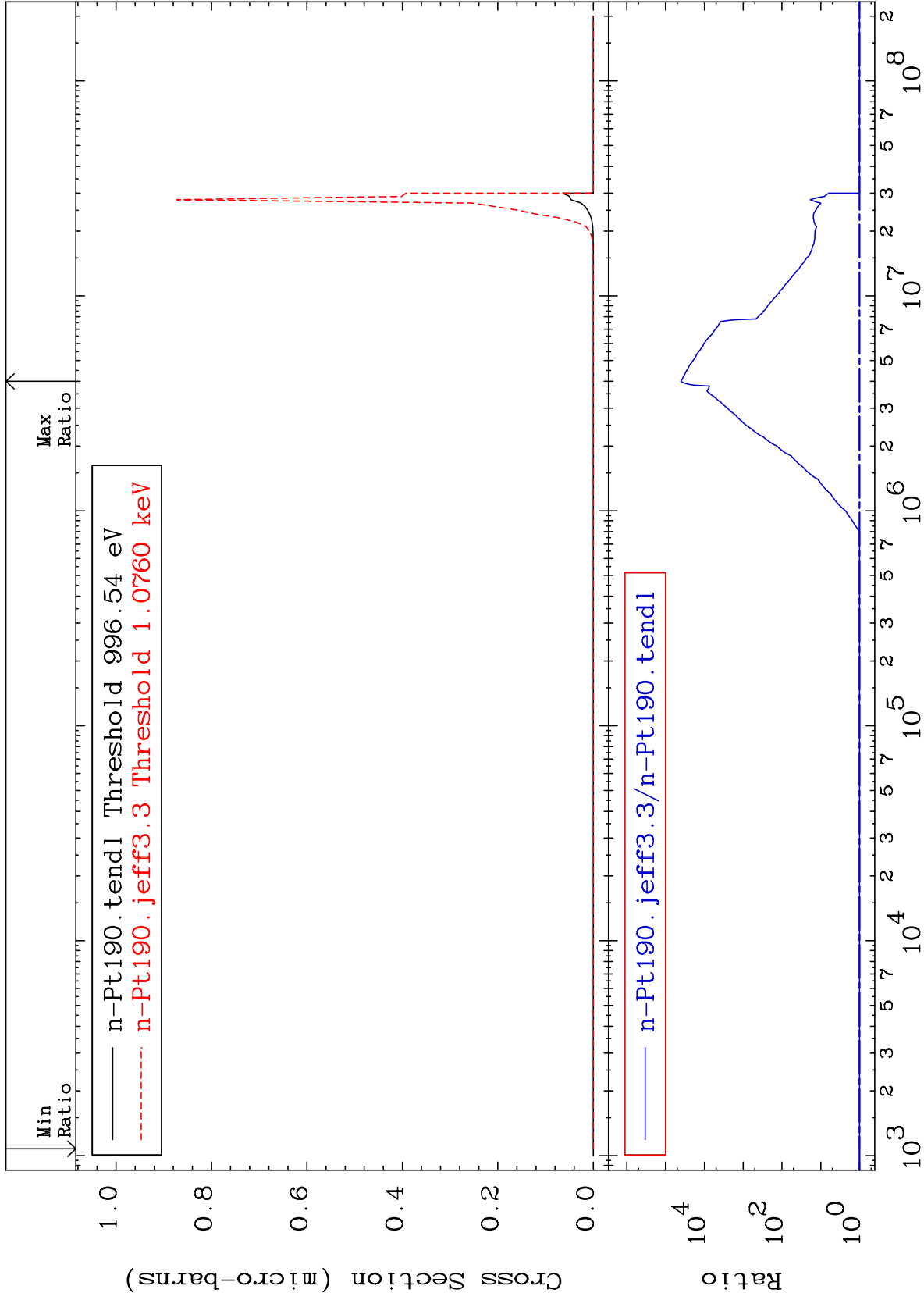
(n,  $\alpha$ )

78-Pt-190

Cross Section

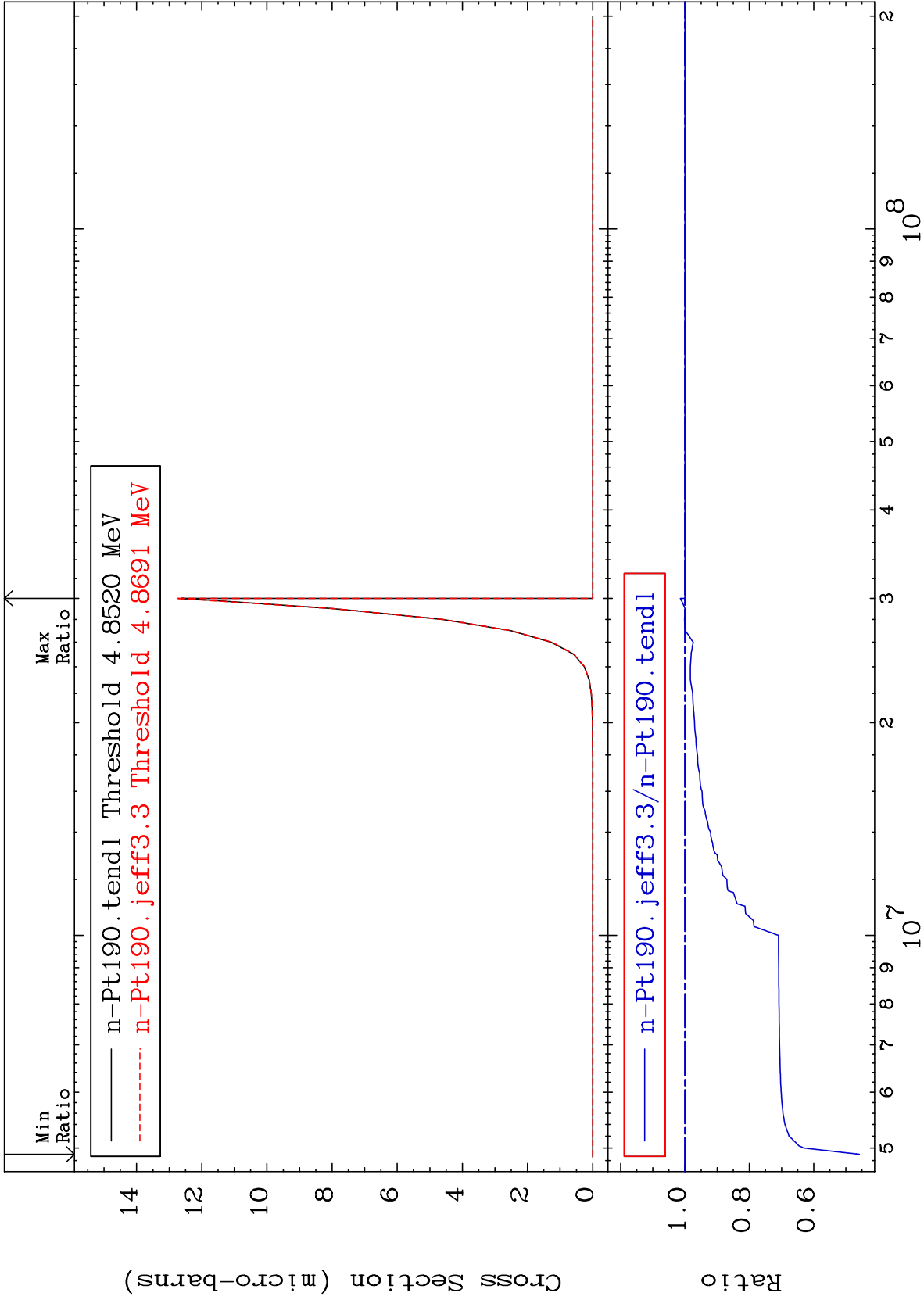
-21.41 To 9999. %





Cross Section

-54.20 To 1.439 %

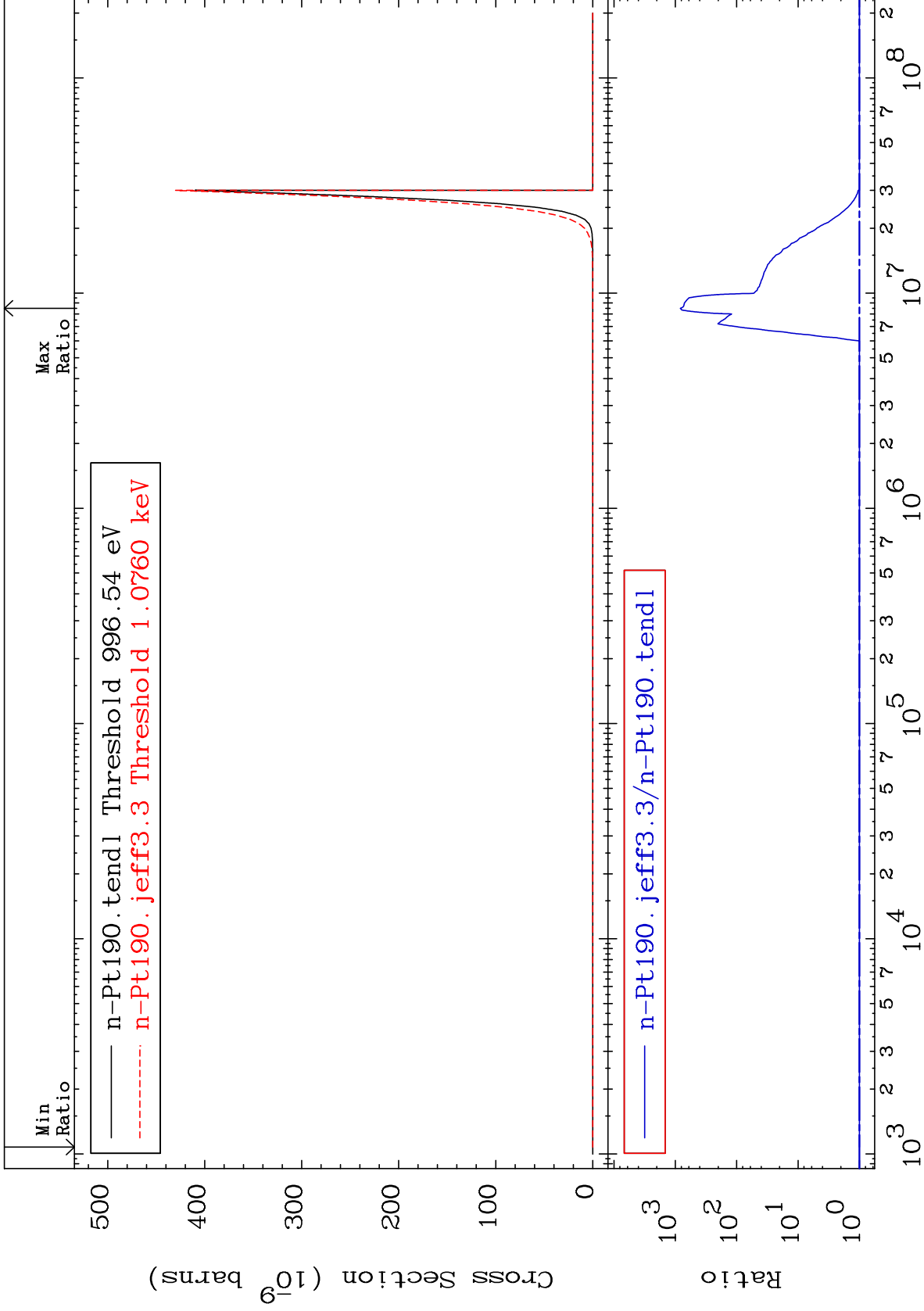


MAT 7825

(n, p)  $\alpha$

Cross Section

78-Pt-190  
To 9999. %





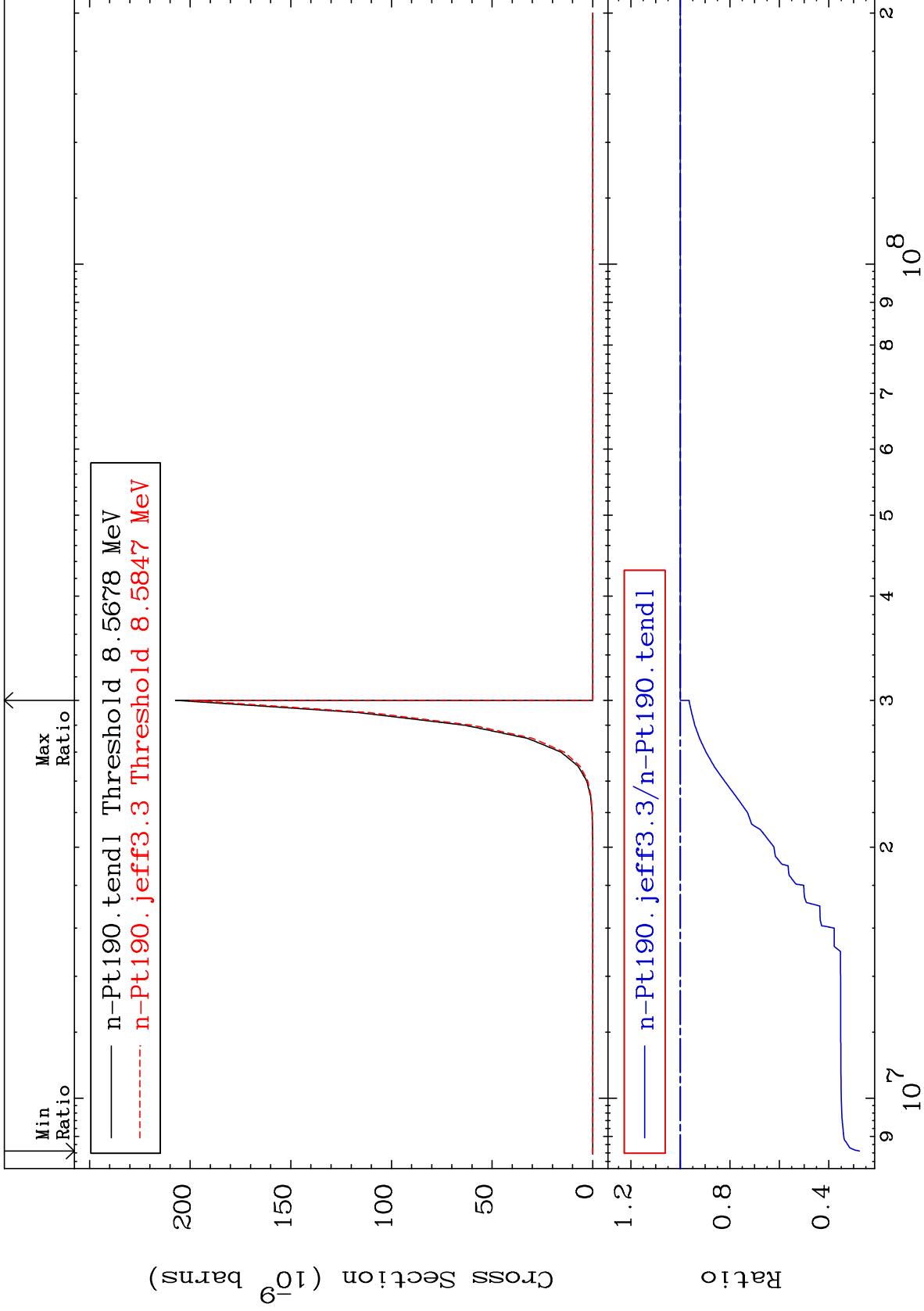
MAT 7825

(n, p) d

78-Pt-190

Cross Section

-72.37 To 0.000 %



57

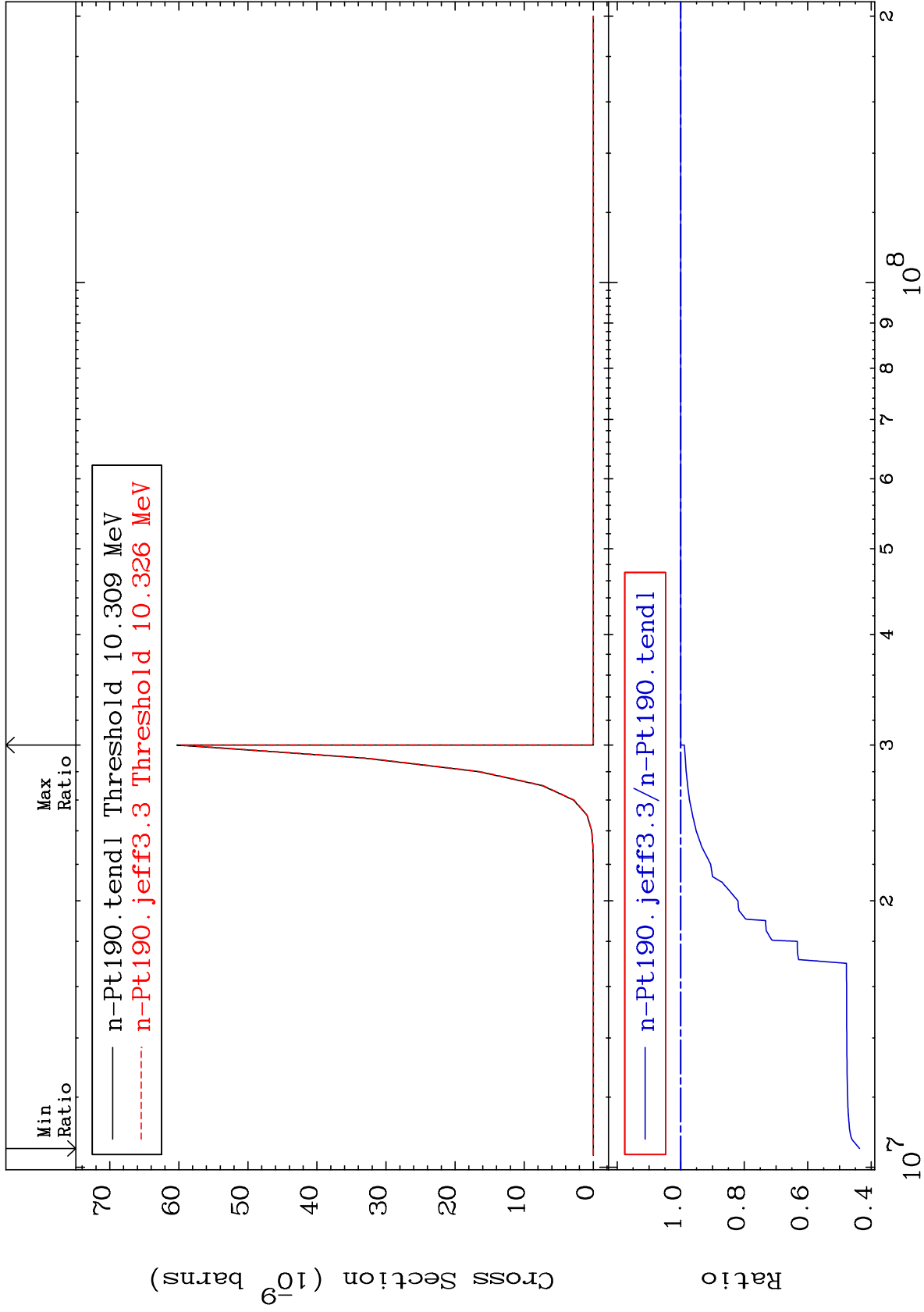
Incident Energy (eV)

78-Pt-190

MAT 7825

(n,p) t  
Cross Section

78-Pt-190  
-56.31 To 0.000 %



58

Incident Energy (eV)

78-Pt-190

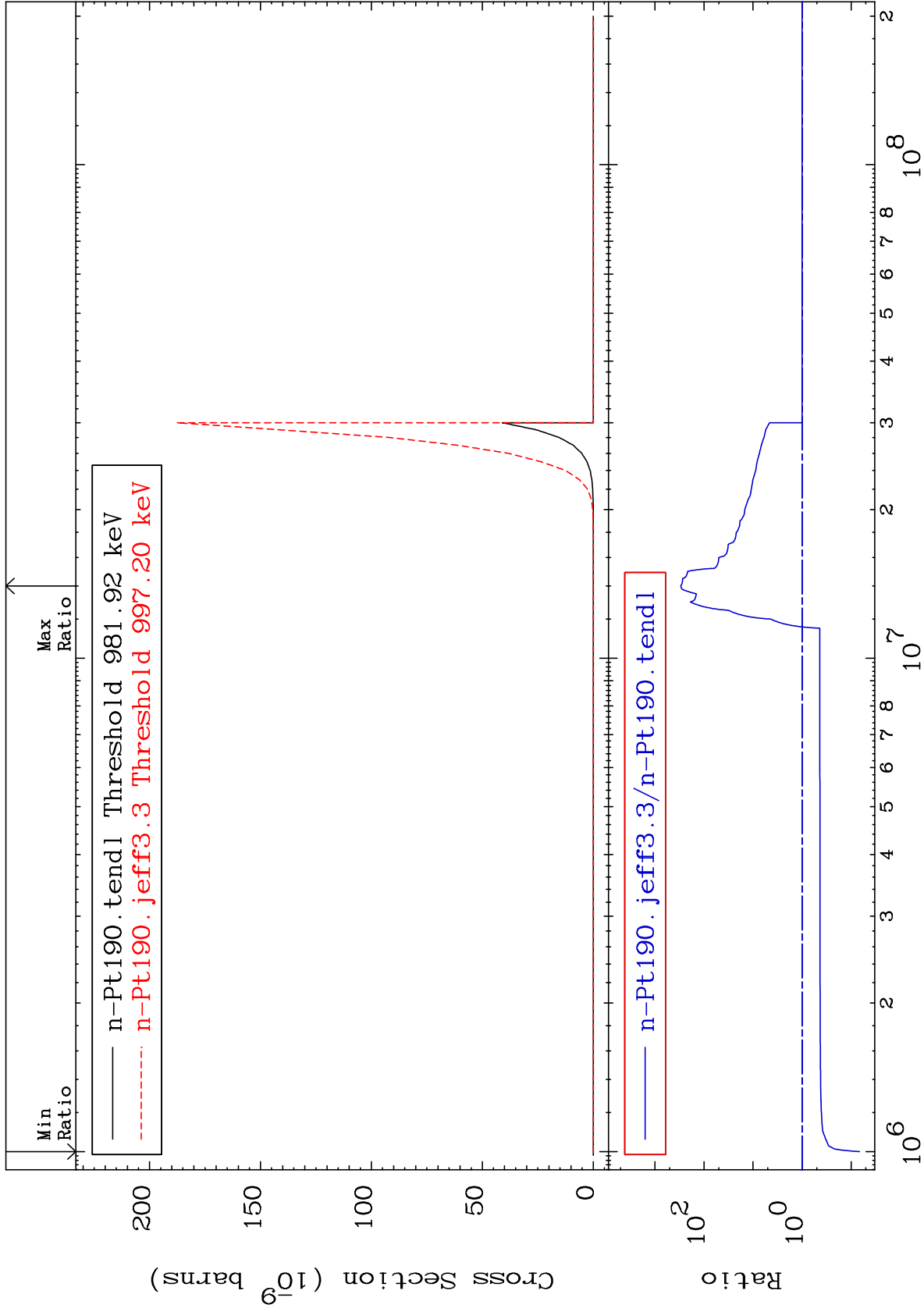
MAT 7825

(n, d)  $\alpha$

78-Pt-190

Cross Section

-93.27 To 9999. %



59

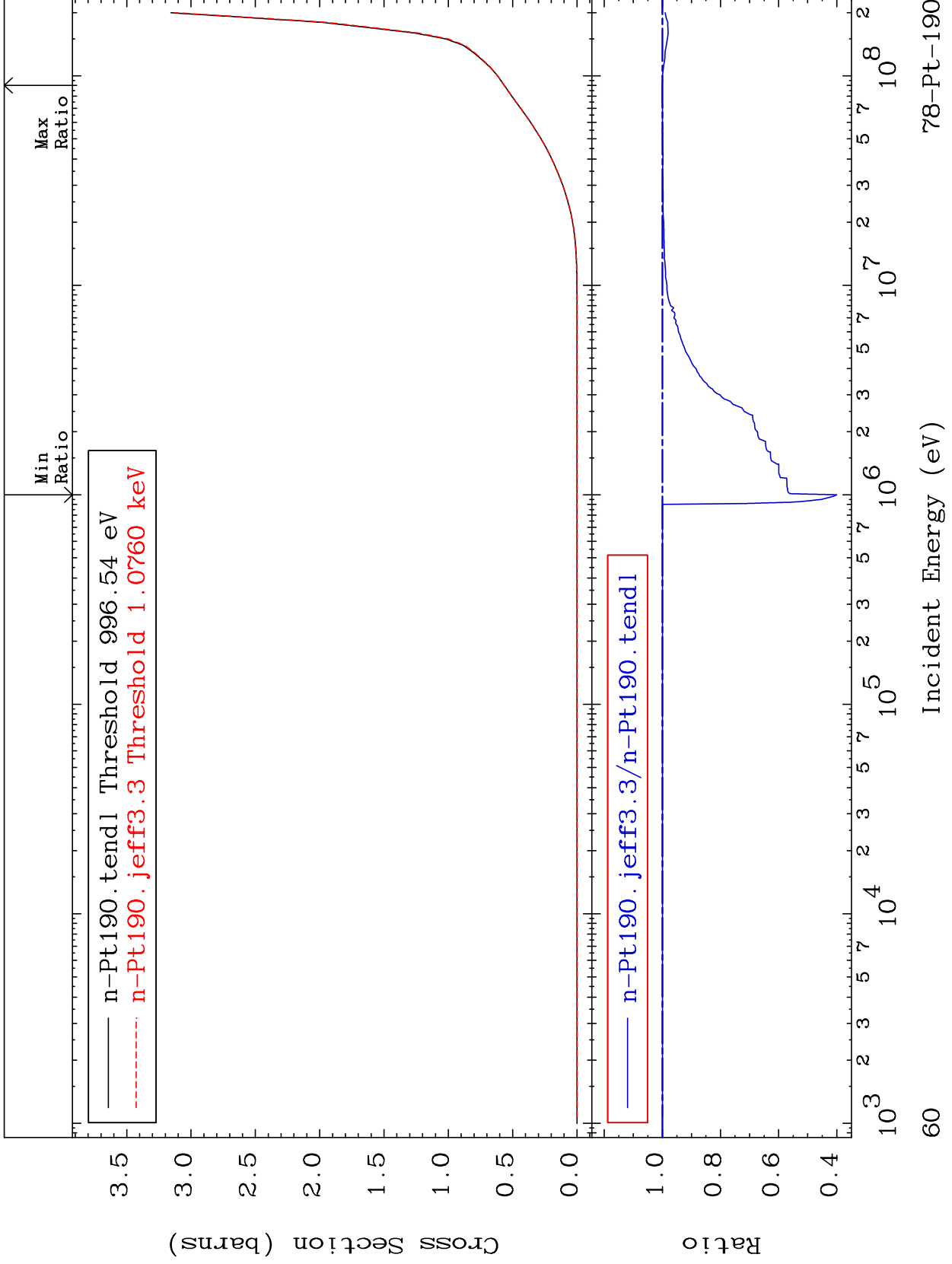
Incident Energy (eV)

78-Pt-190

MAT 7825

Hydrogen Production  
Cross Section

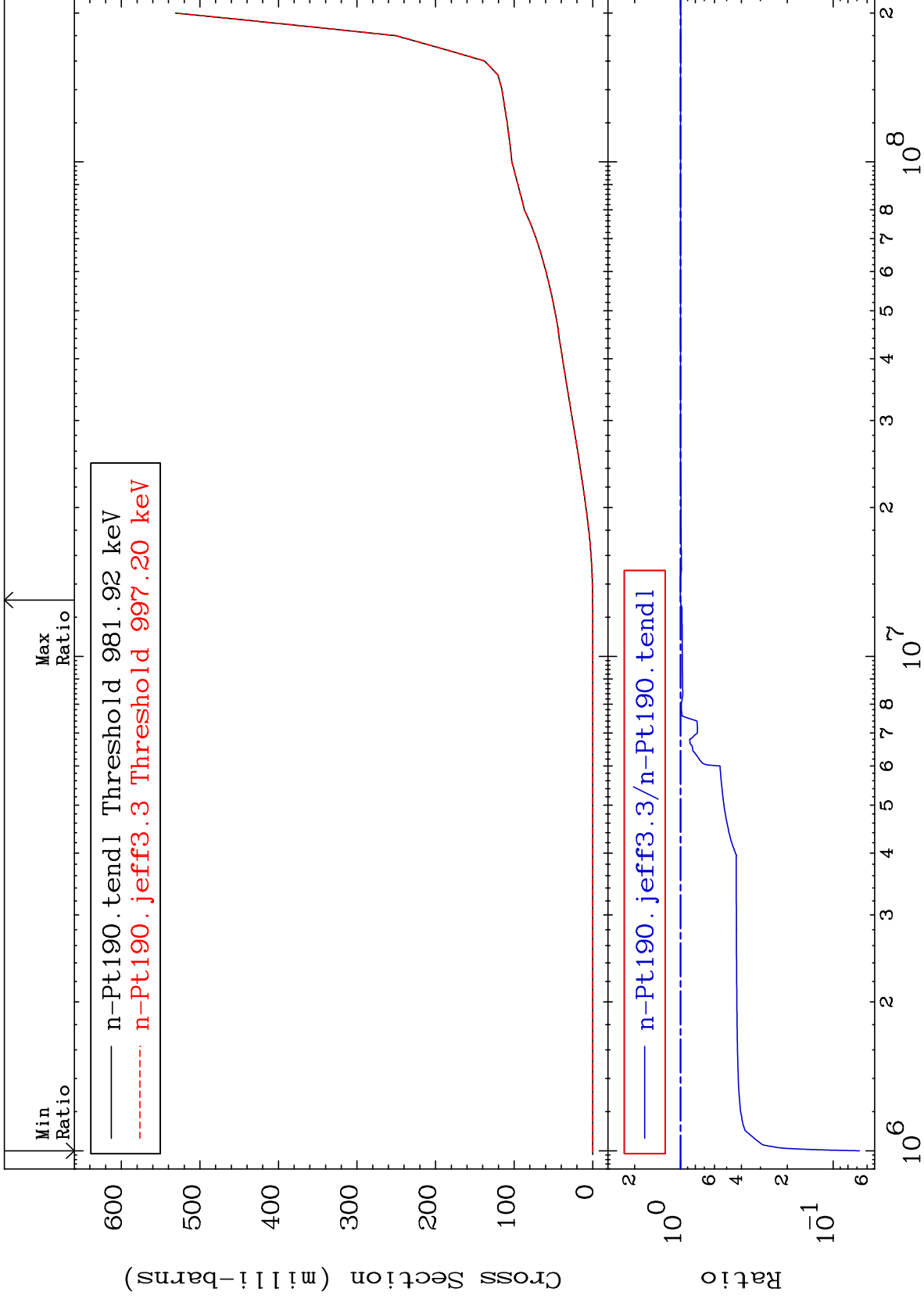
78-Pt-190  
-59.97 To 0.021 %



MAT 7825

Deuterium Production  
Cross Section

78-Pt-190  
-93.27 To 0.344 %



61

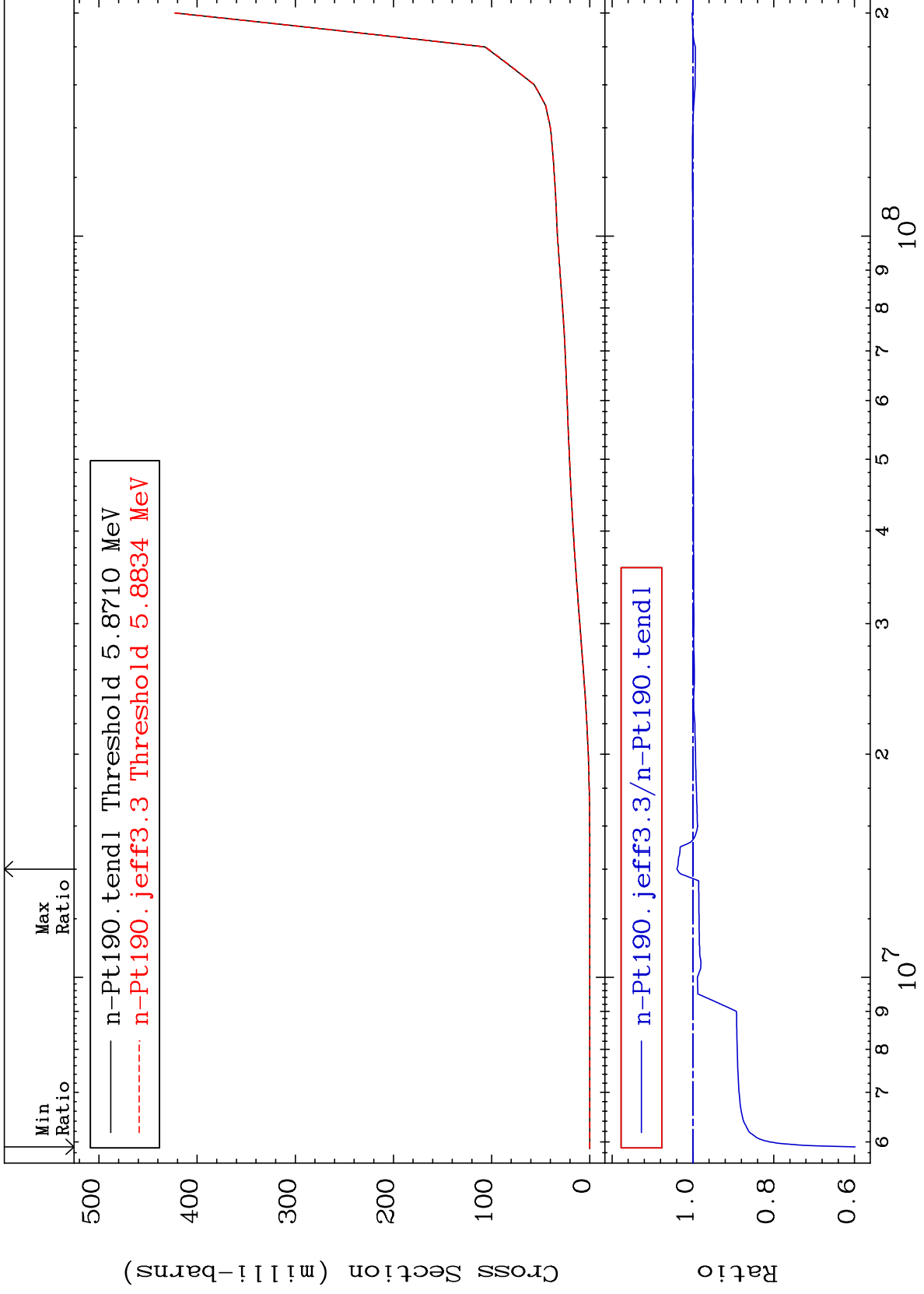
Incident Energy (eV)

78-Pt-190

MAT 7825

Tritium Production  
Cross Section

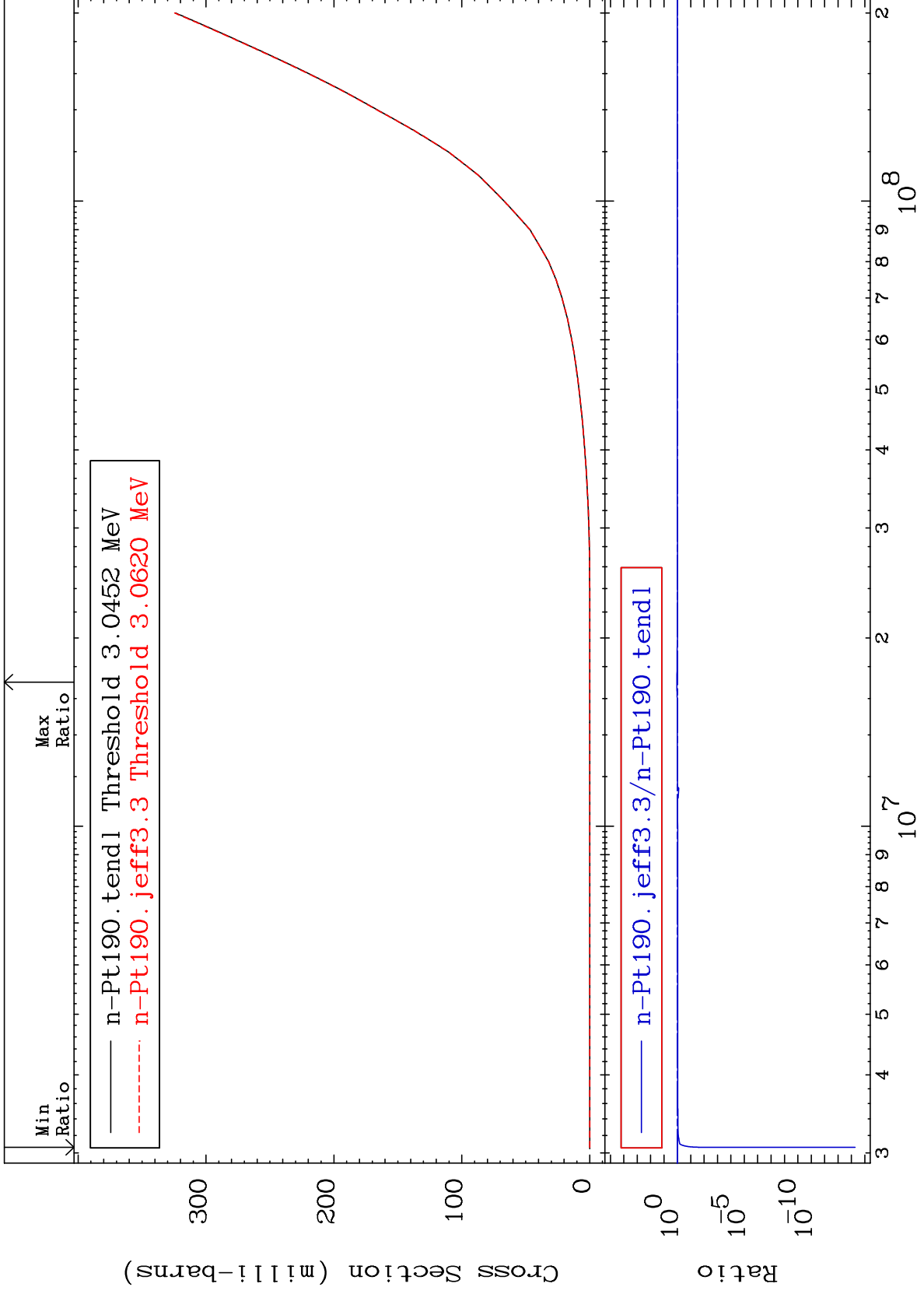
78-Pt-190  
-40.15 To 3.948 %



MAT 7825

He-3 Production  
Cross Section

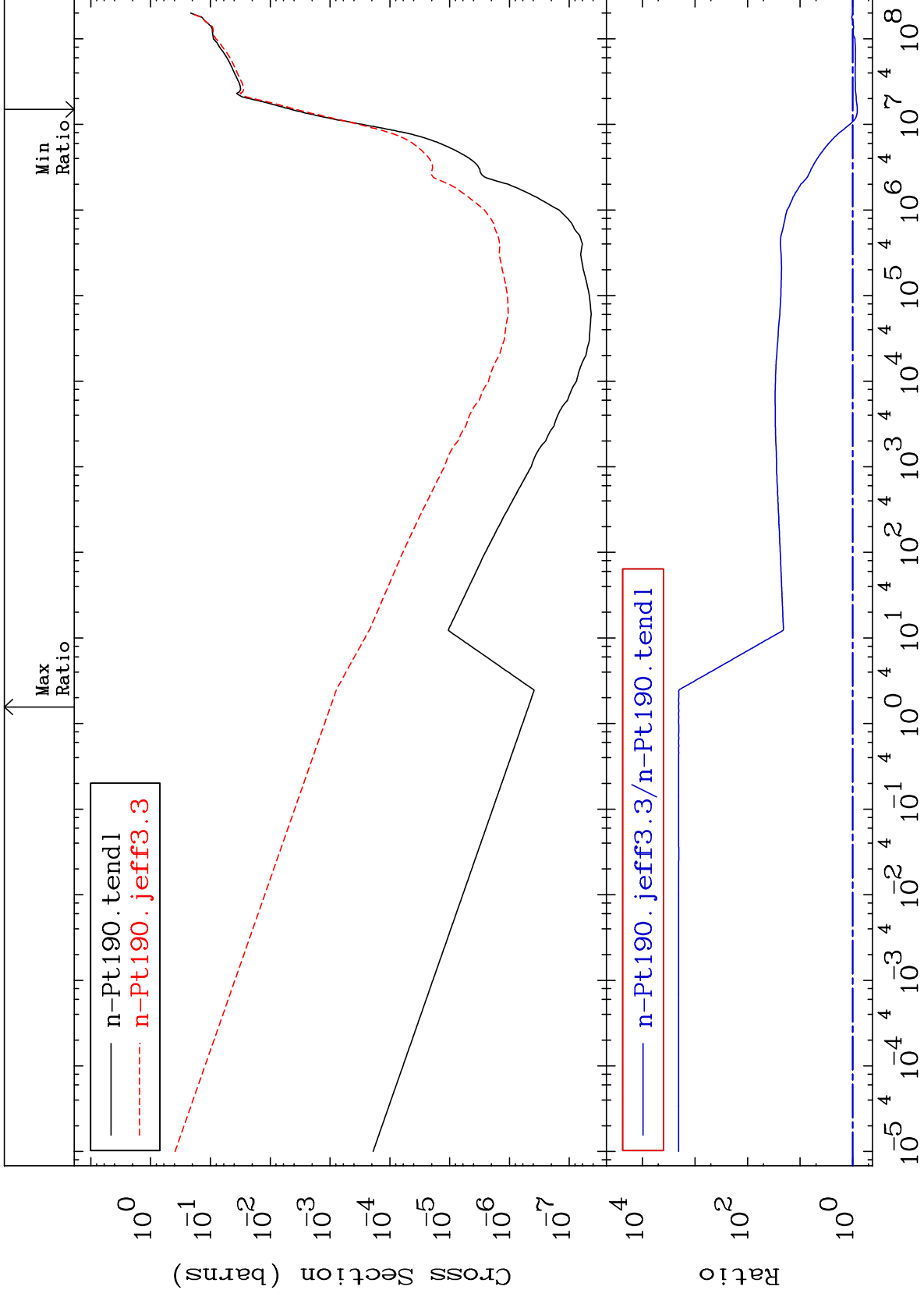
78-Pt-190  
-100.0 To 7.664 %



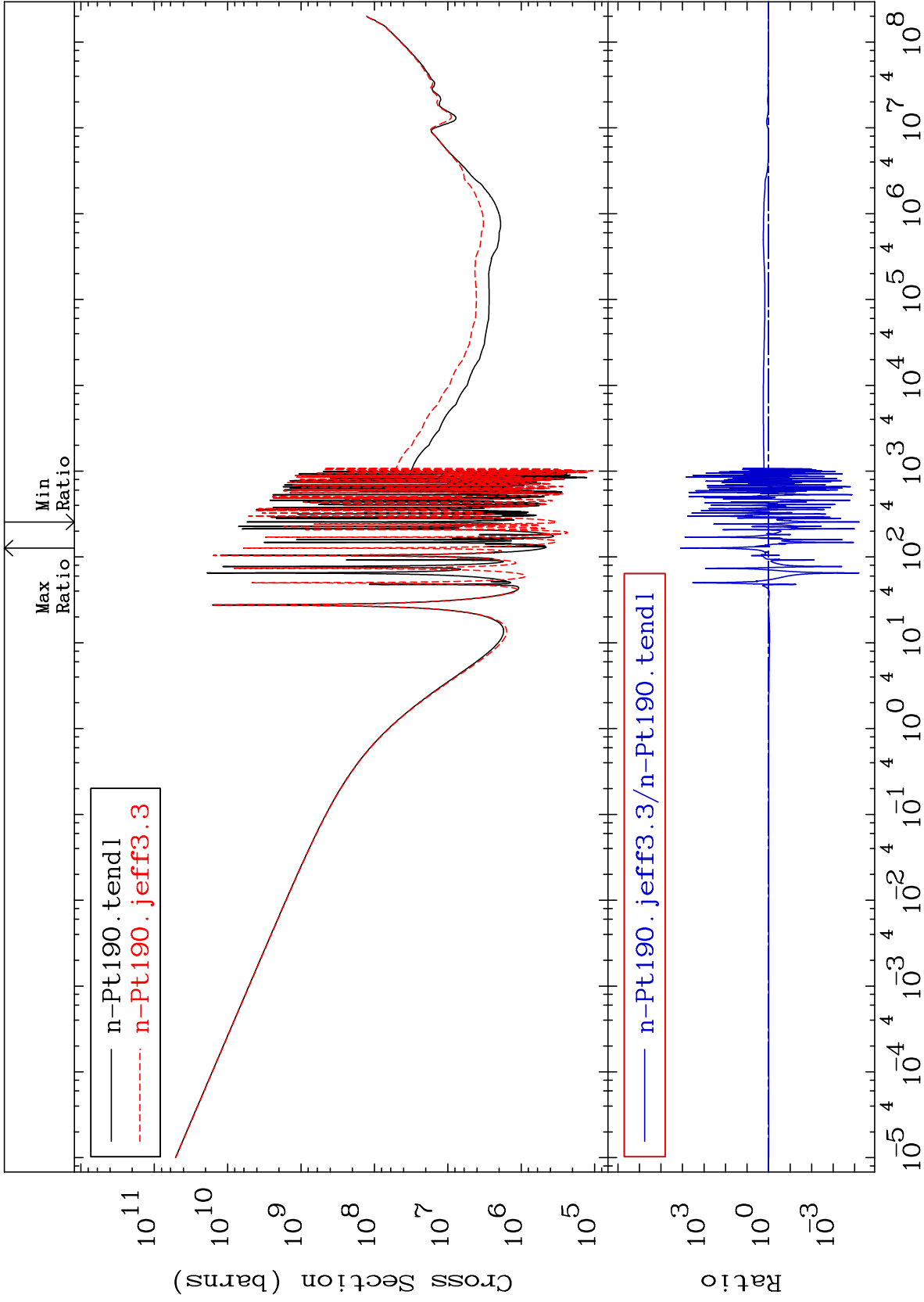
MAT 7825

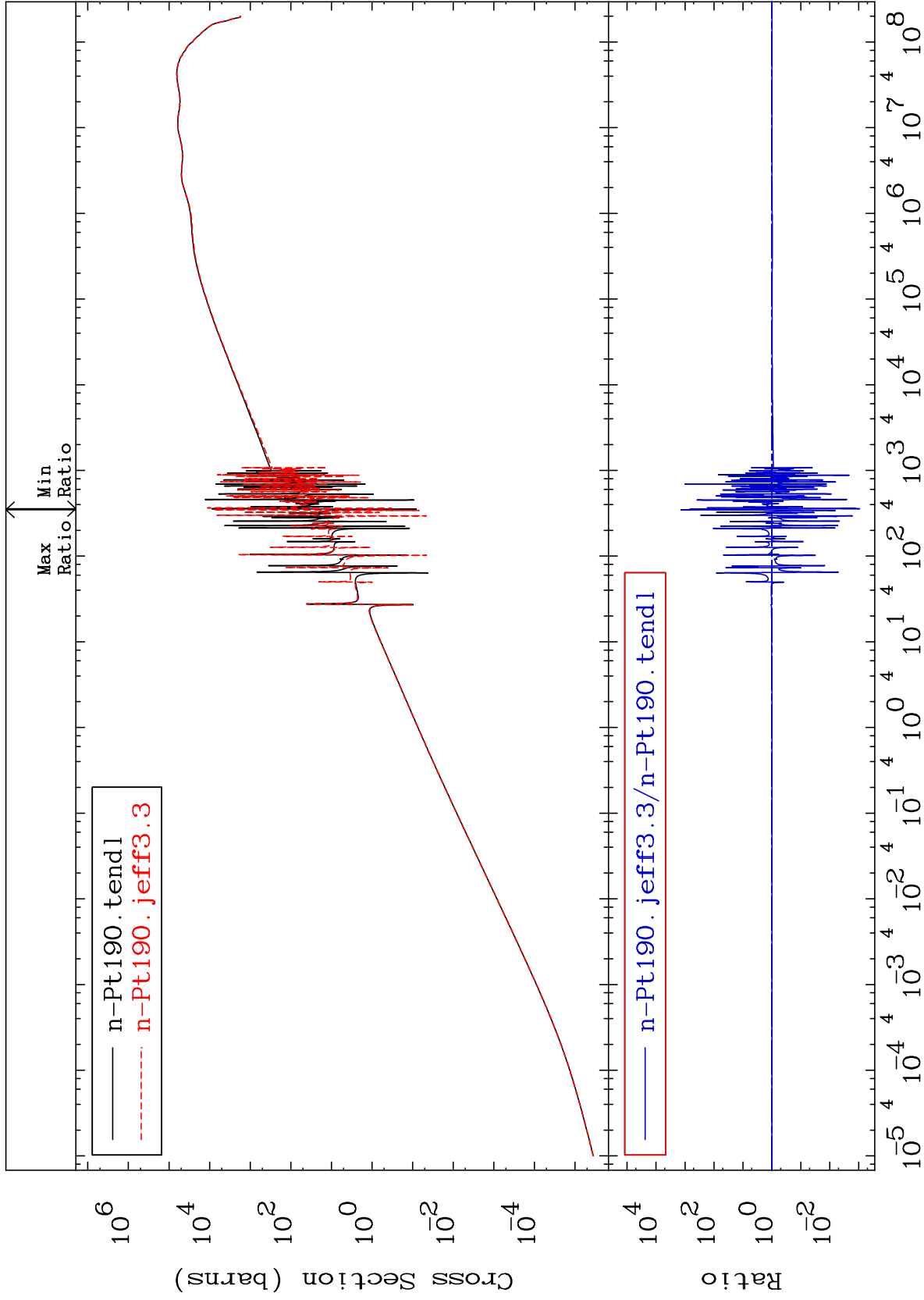
He-4 Production  
Cross Section

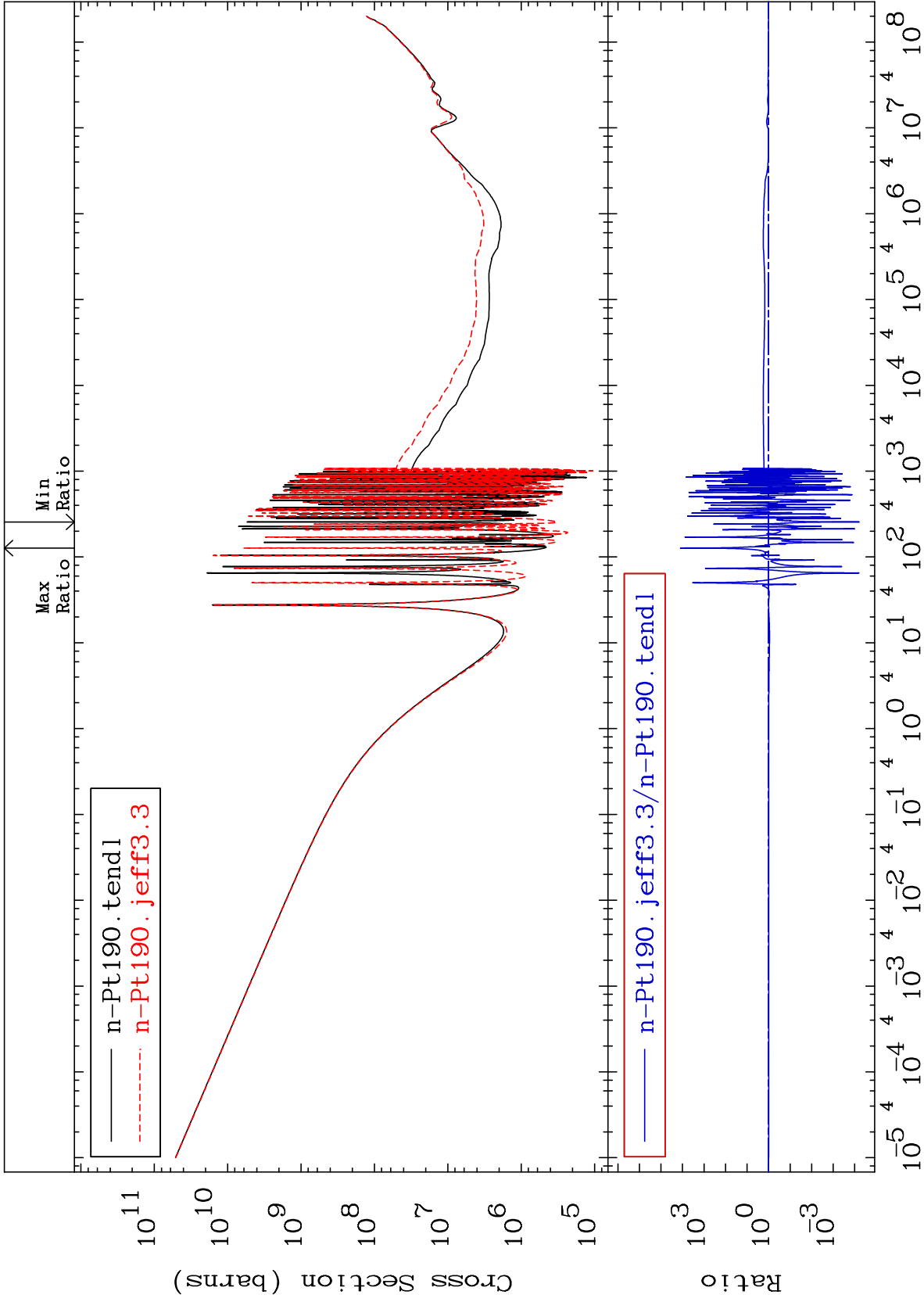
78-Pt-190  
-18.05 To 9999. %

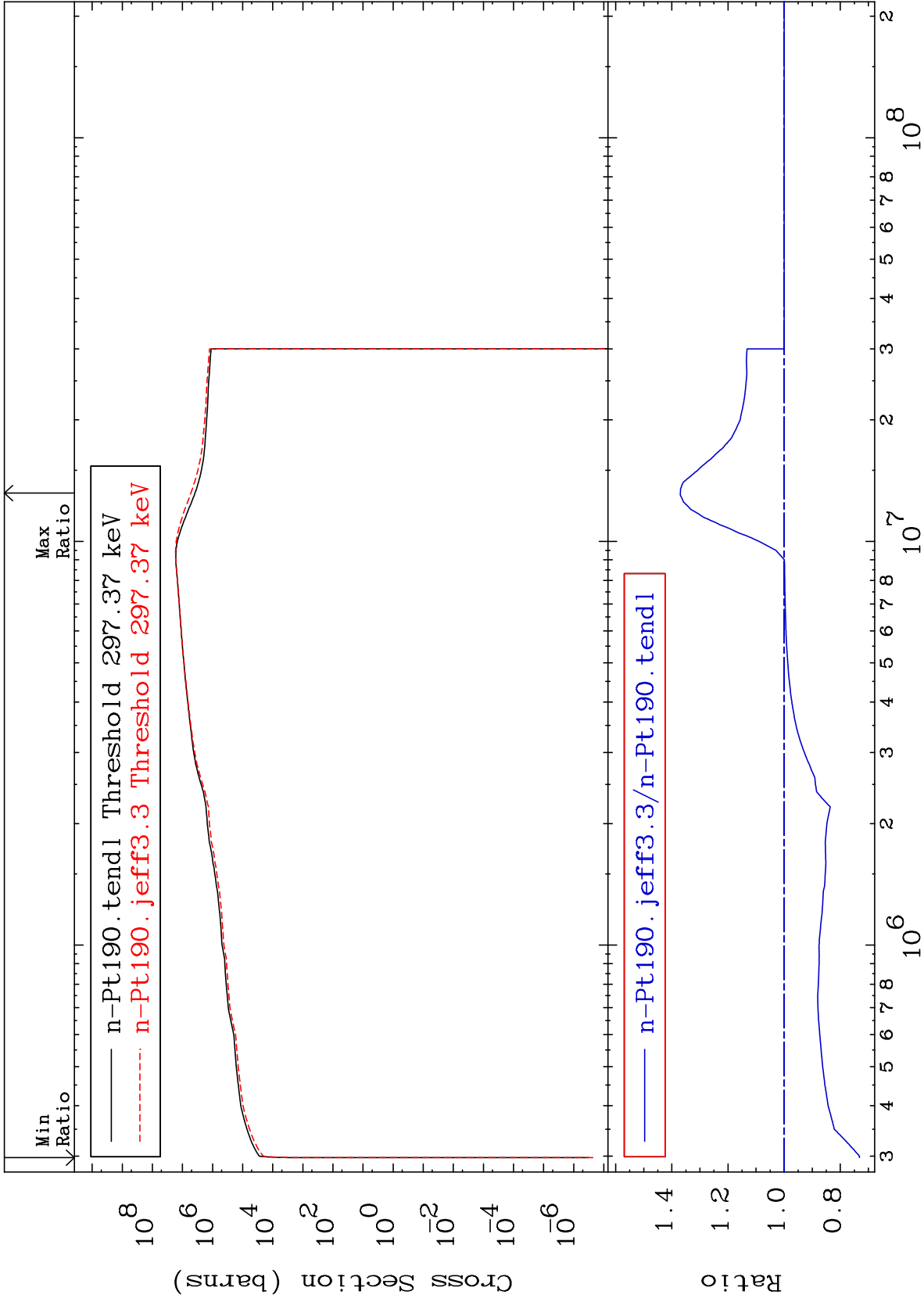








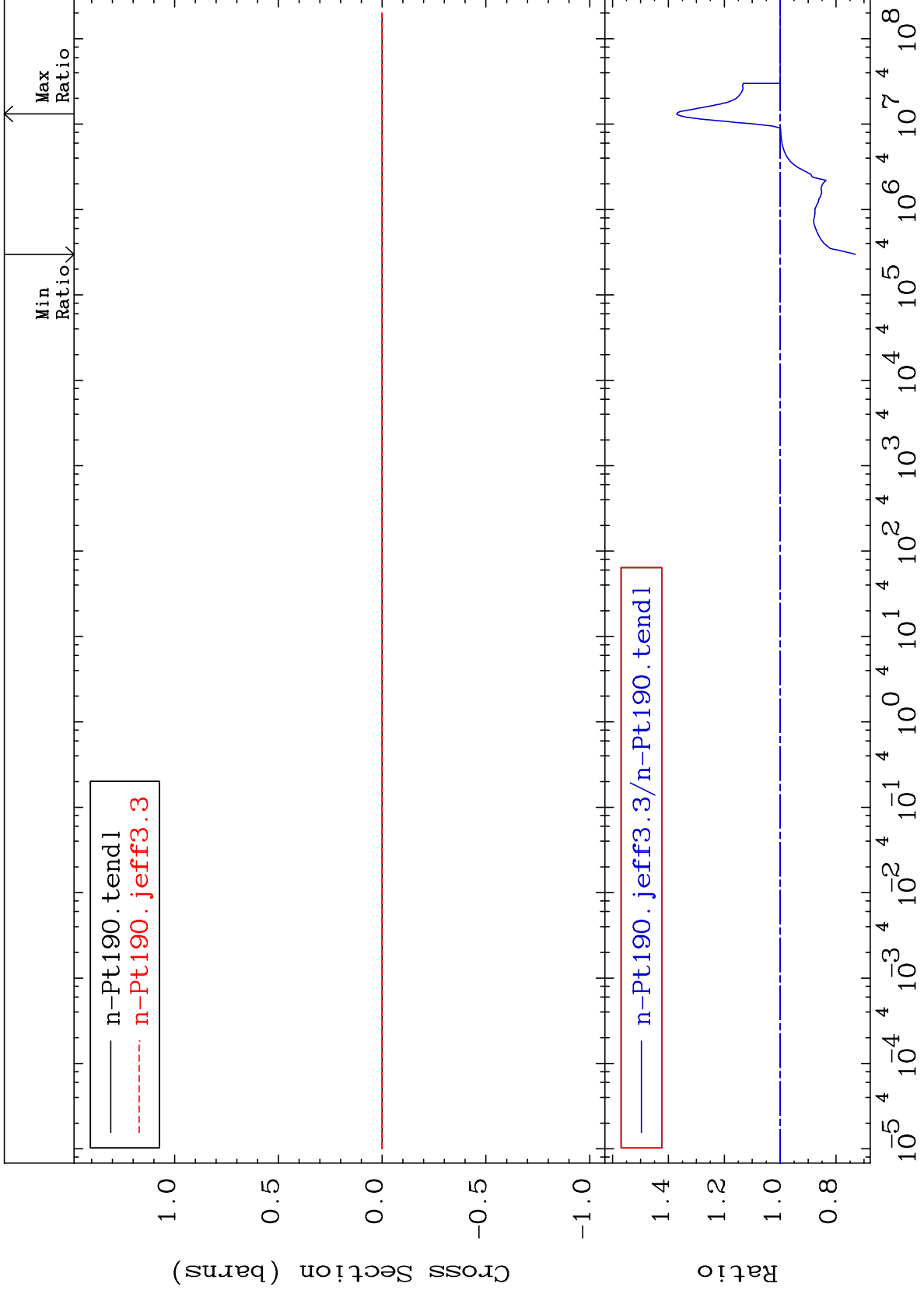




MAT 7825

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

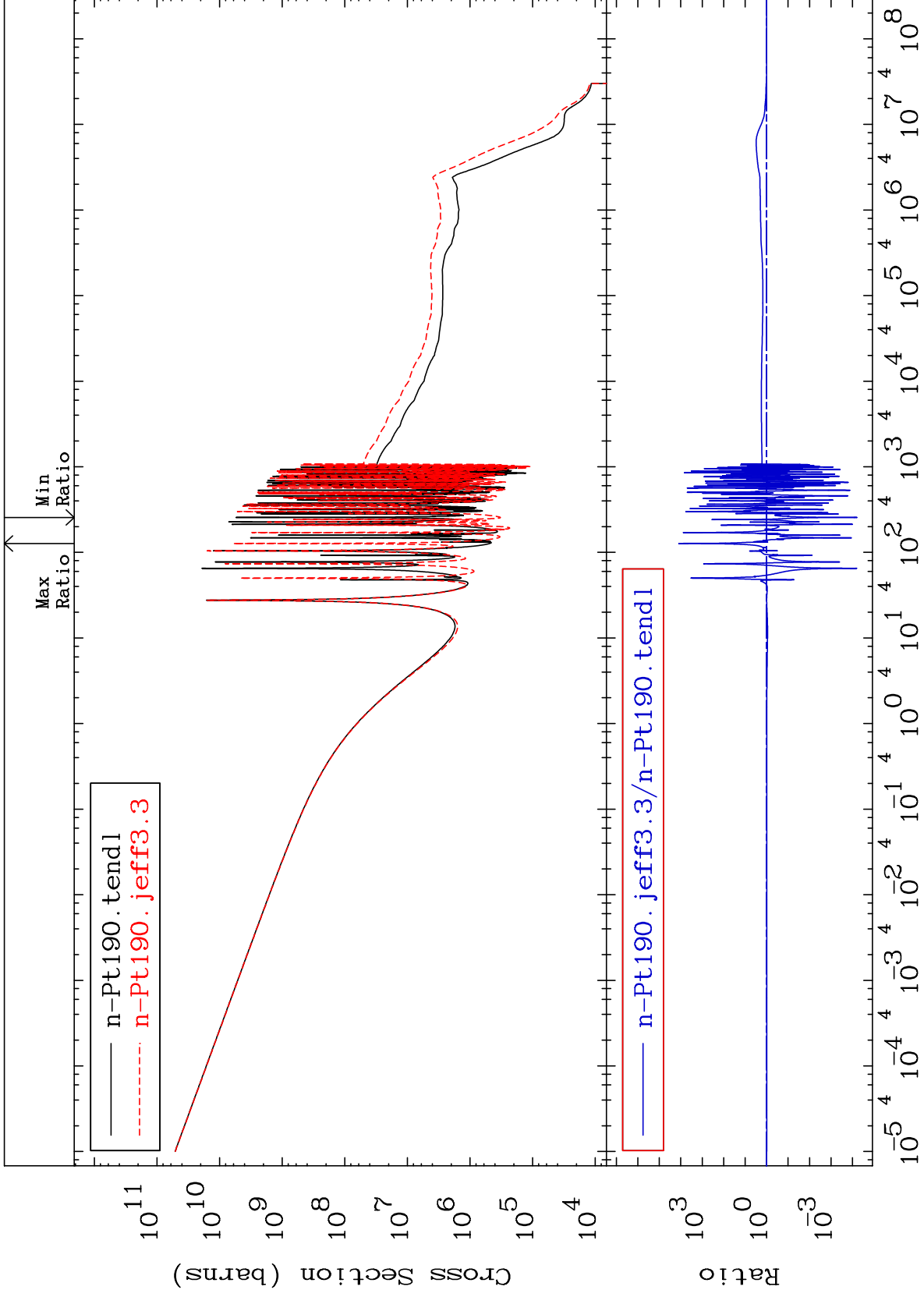
78-Pt-190  
-26.81 To 36.96 %



MAT 7825

Kerma capture (mt102)  
Cross Section

78-Pt-190  
-99.99 To 9999. %



70

Incident Energy (eV)

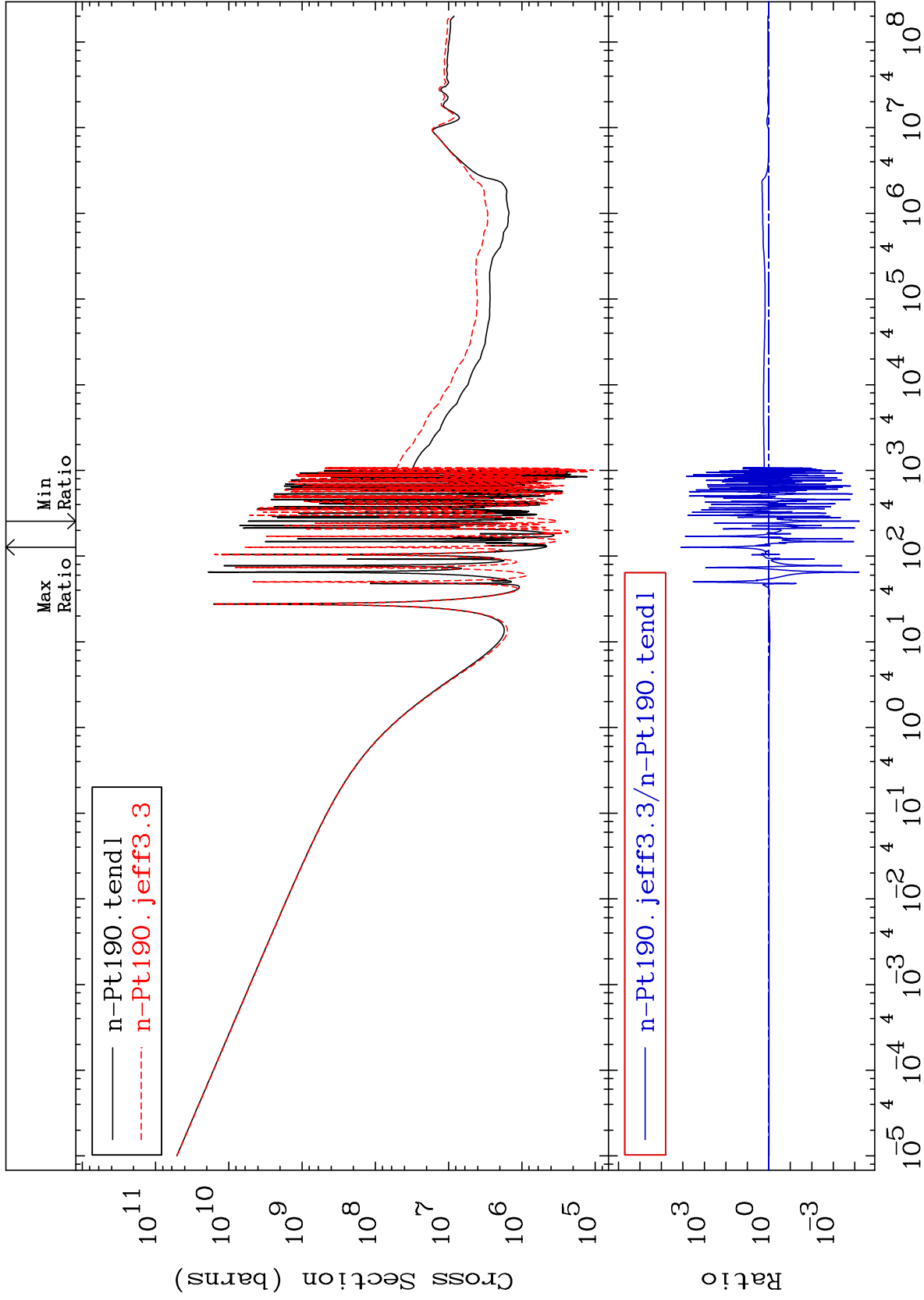
78-Pt-190

MAT 7825

Total photon (eV-barns)  
Cross Section

78-Pt-190

-99.99 To 9999. %



71

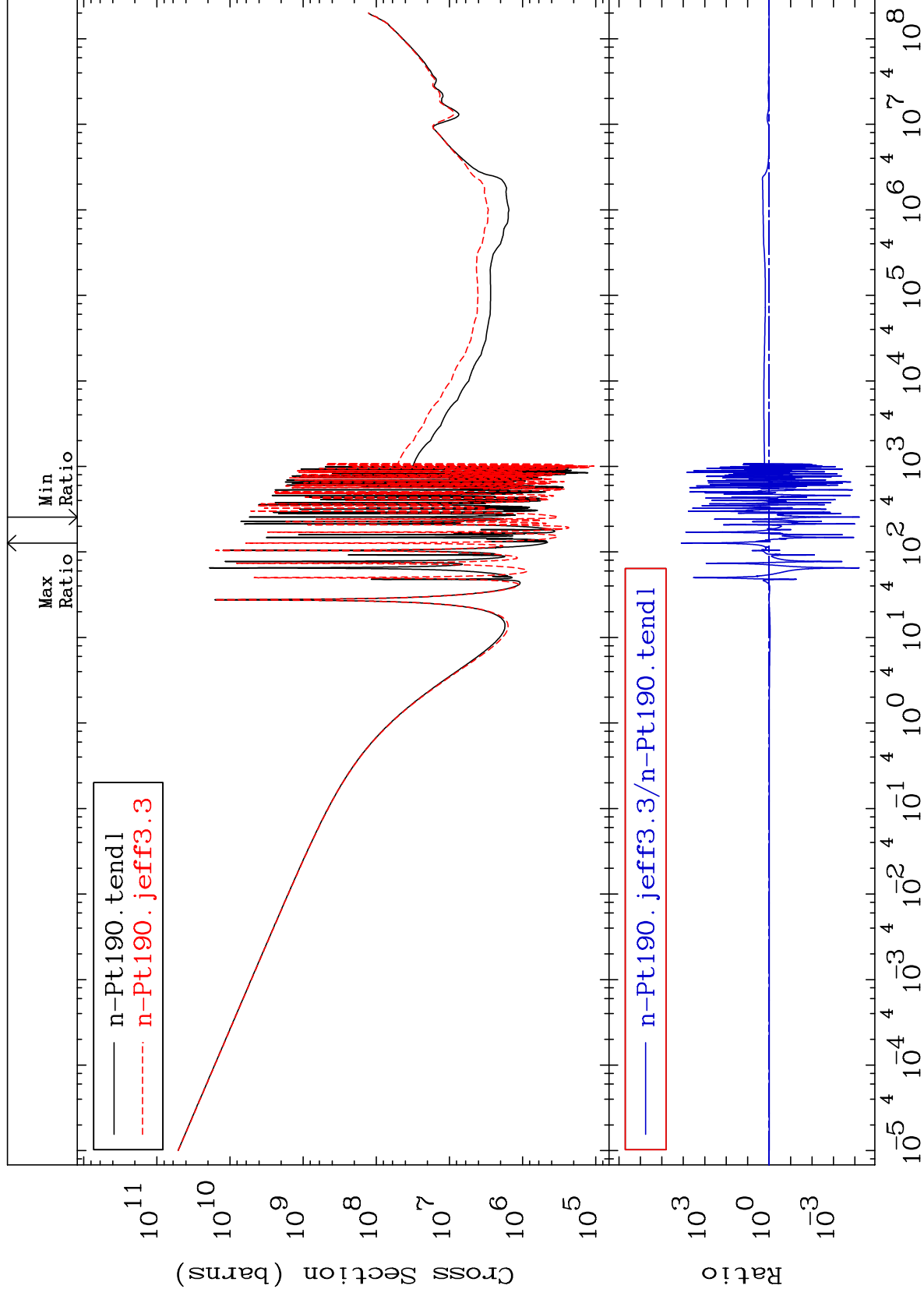
Incident Energy (eV)

78-Pt-190

MAT 7825

Total kinematic kerma (high limit)  
Cross Section

78-Pt-190  
-99.99 To 9999. %

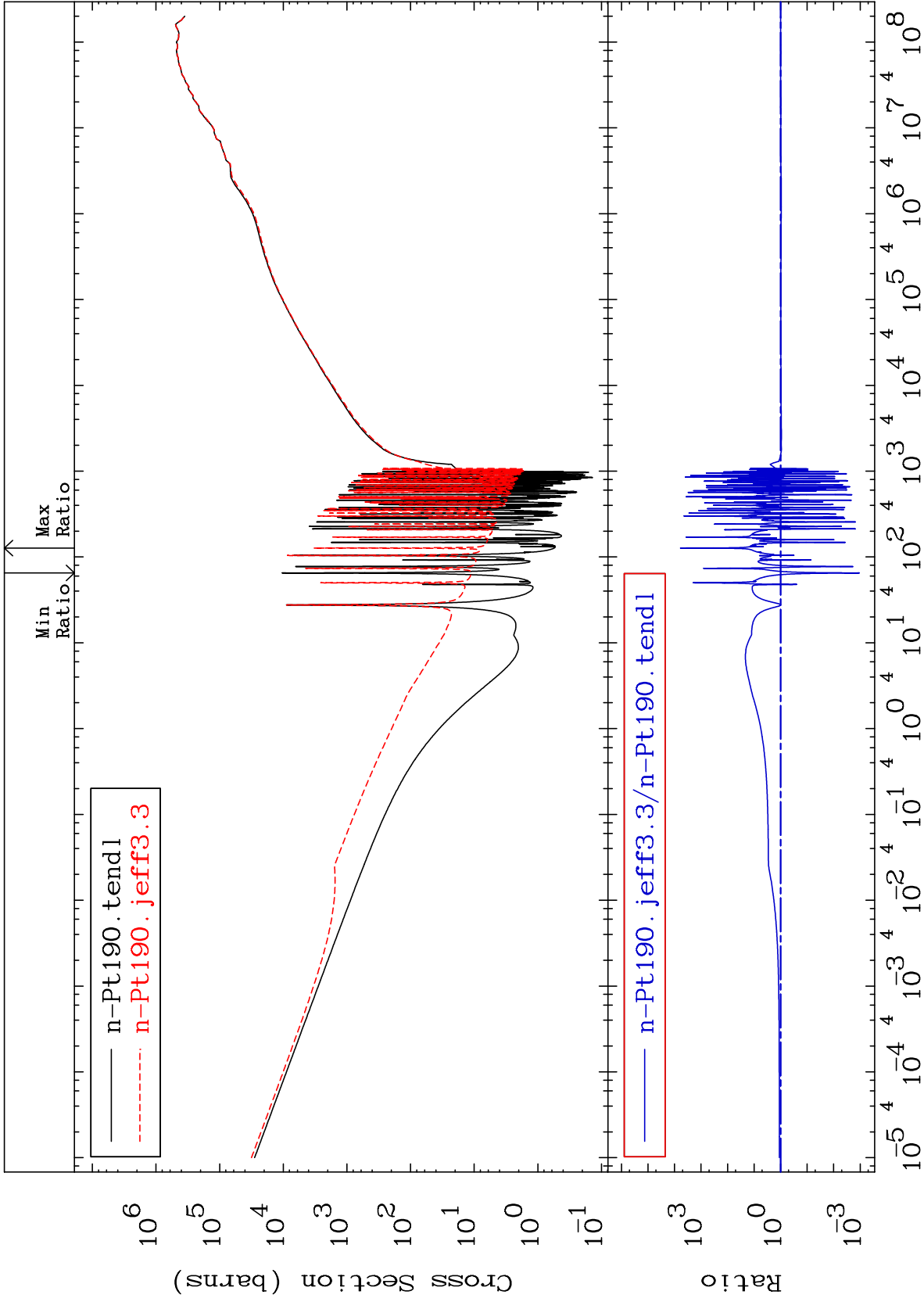


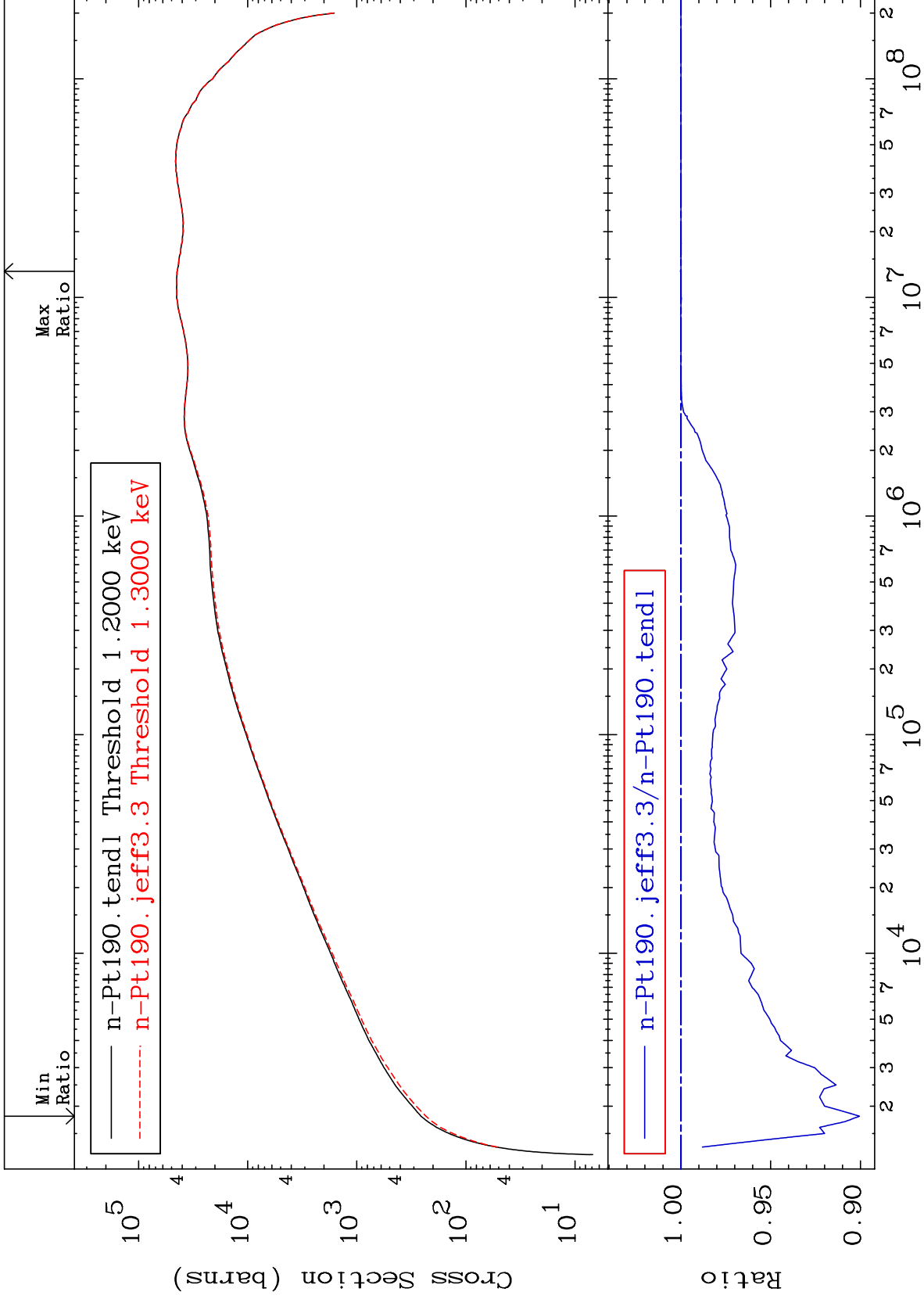
72

Incident Energy (eV)

78-Pt-190



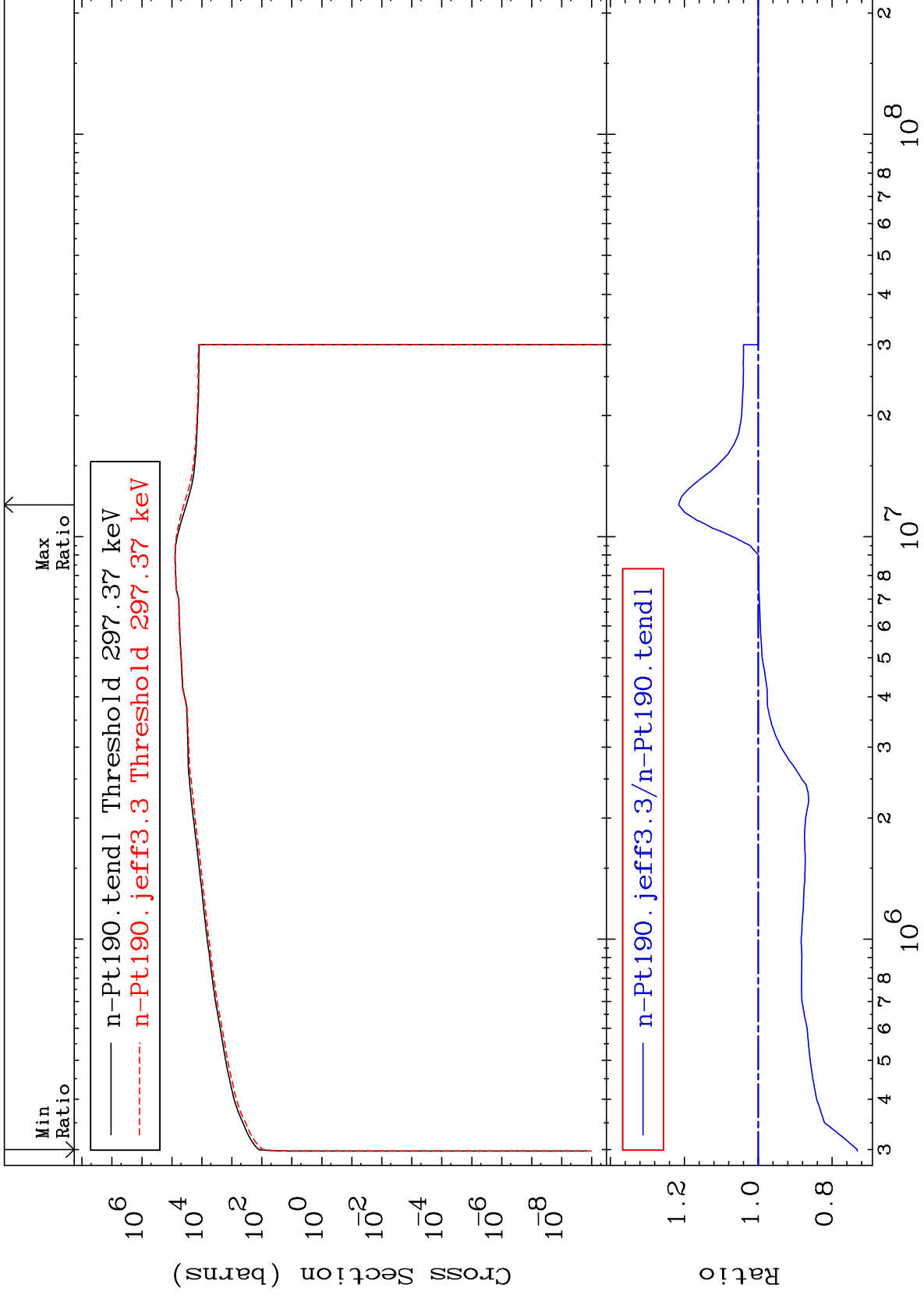




MAT 7825

Dpa inelastic (mt51-91)  
Cross Section

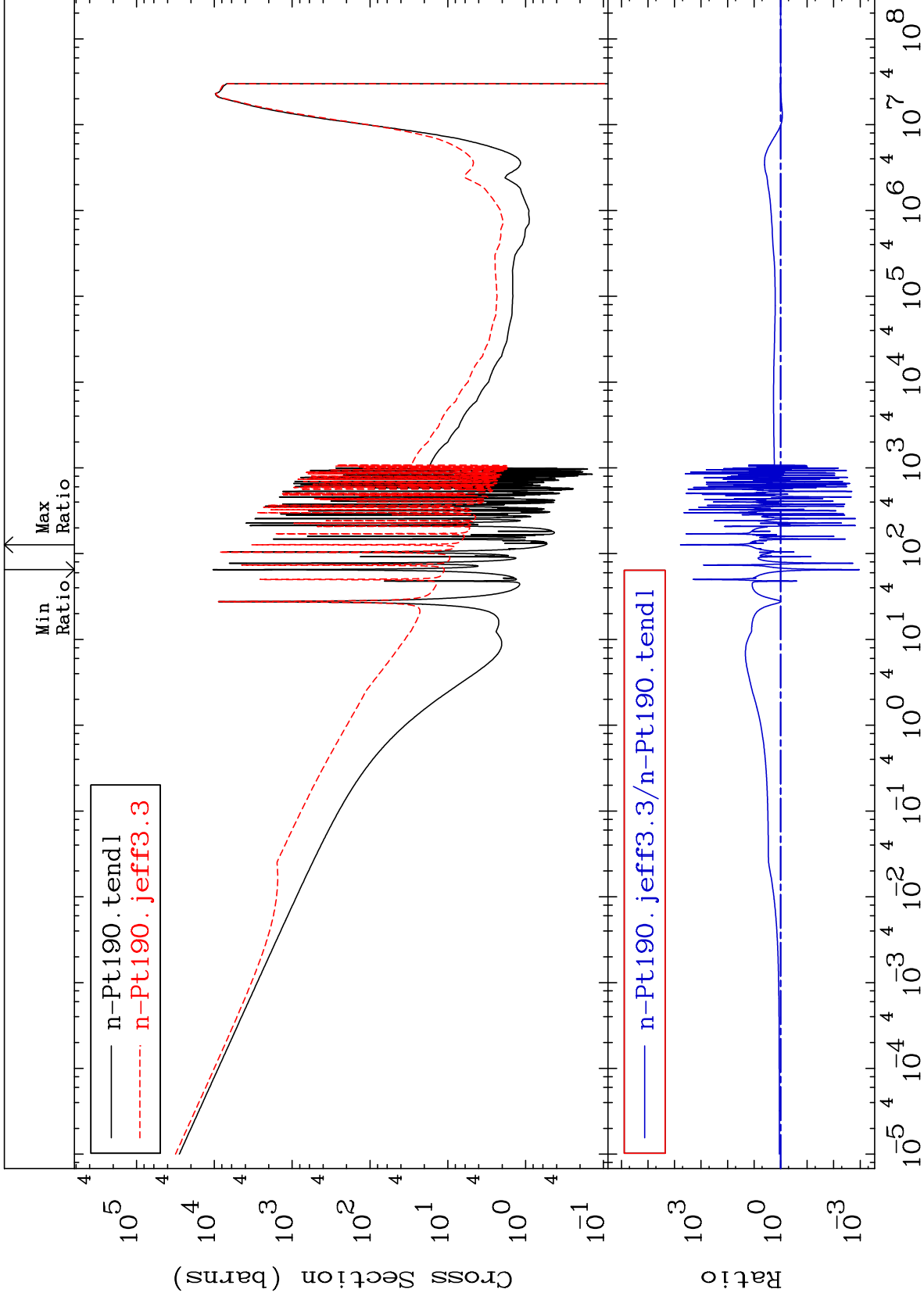
78-Pt-190  
-26.81 To 21.54 %



75

Incident Energy (eV)

78-Pt-190

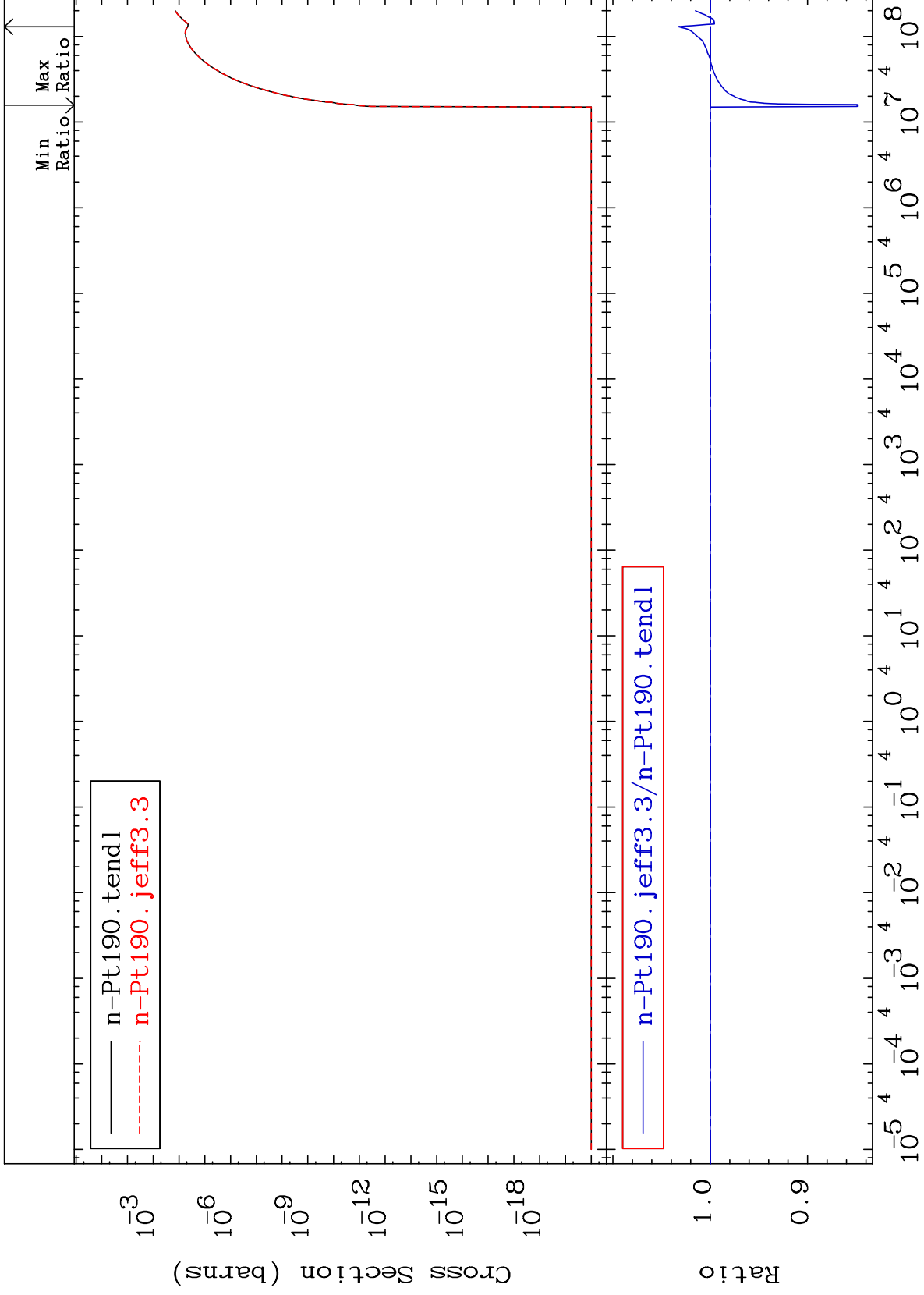


MAT 7825

Fission: Photon

78-Pt-190

Radionuclide Production Cross Section -15.11 To 3.245 %



77

Incident Energy (eV)

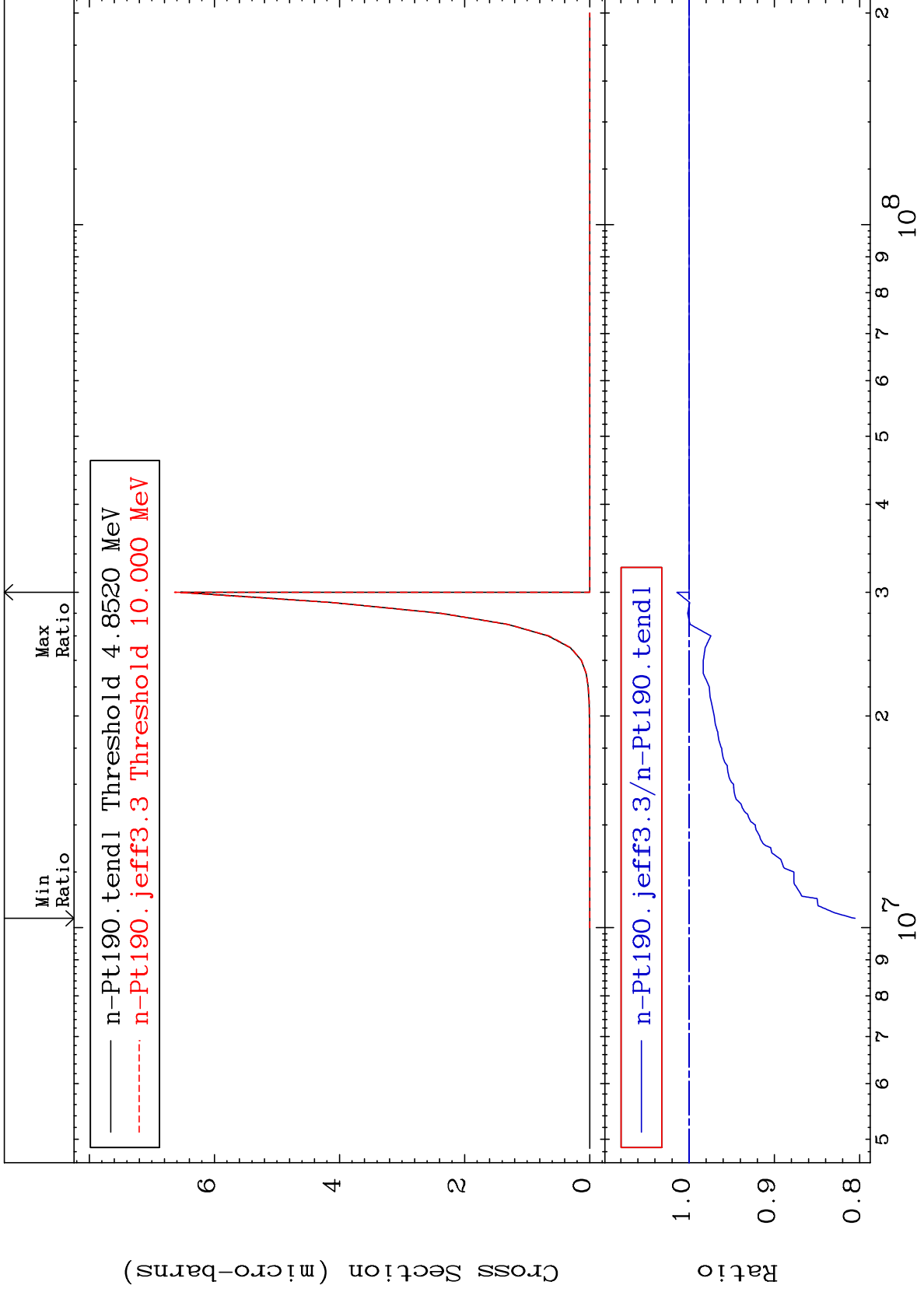
78-Pt-190

MAT 7825

(n,2p):76-Os-189g

78-Pt-190

Radionuclide Production Cross Section -19.46 To 1.423 %



78

Incident Energy (eV)

78-Pt-190

Radionuclide Production Cross Section -41.82 To 1.455 %

