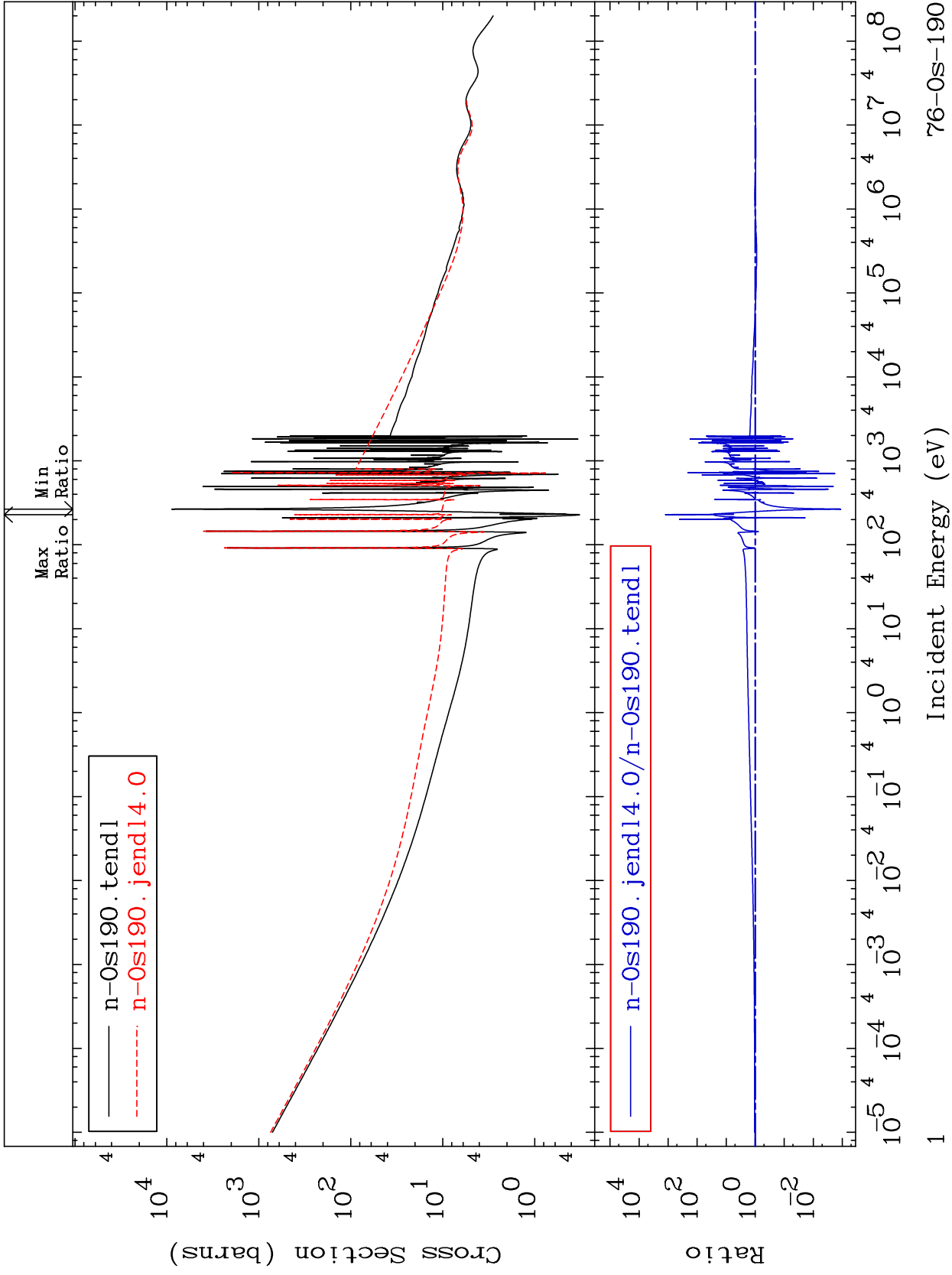


MAT 7643

Total Cross Section  
76-0s-190  
-99.89 To 9999. %



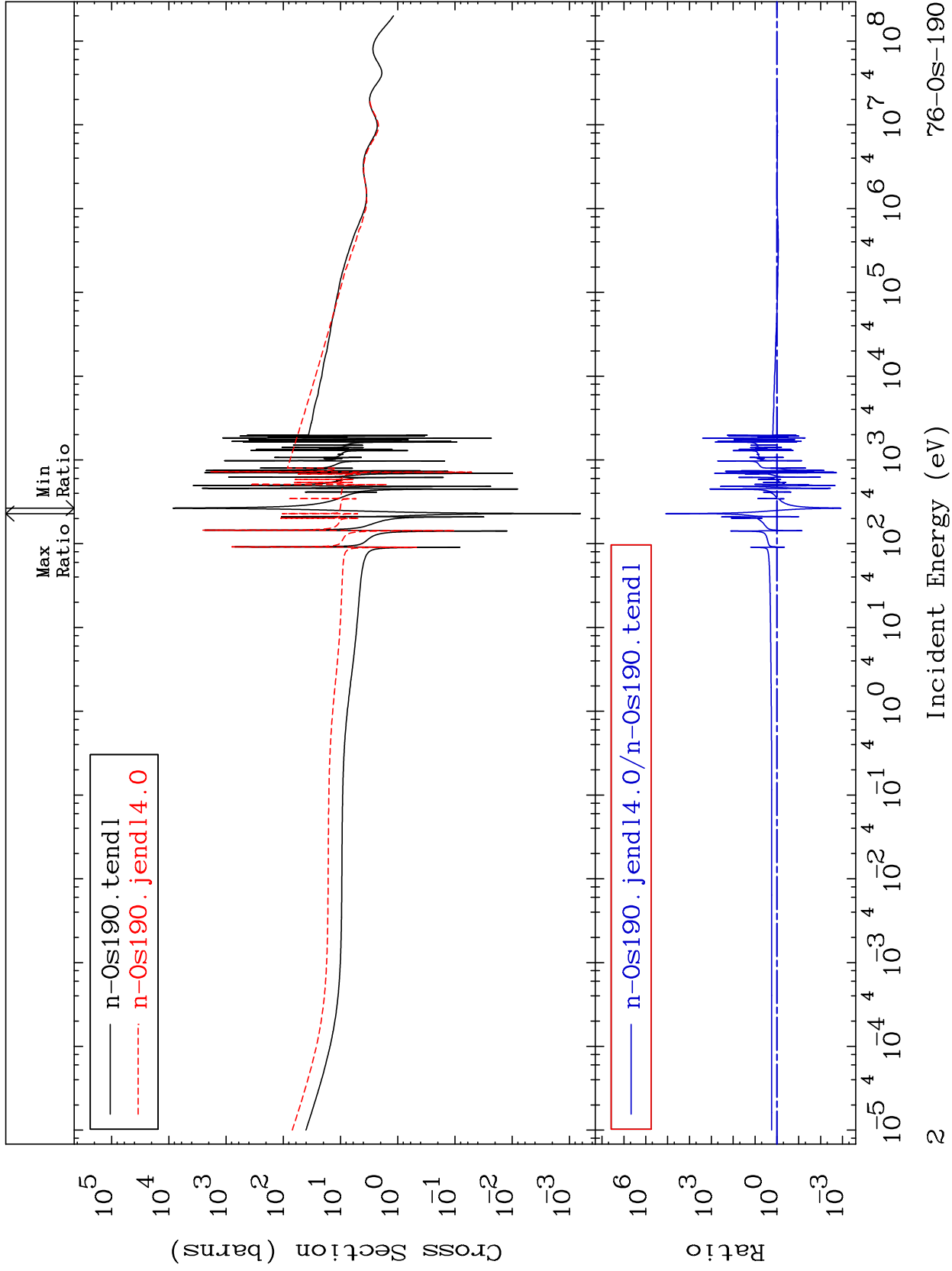
MAT 7643

Elastic

Cross Section

76-0s-190

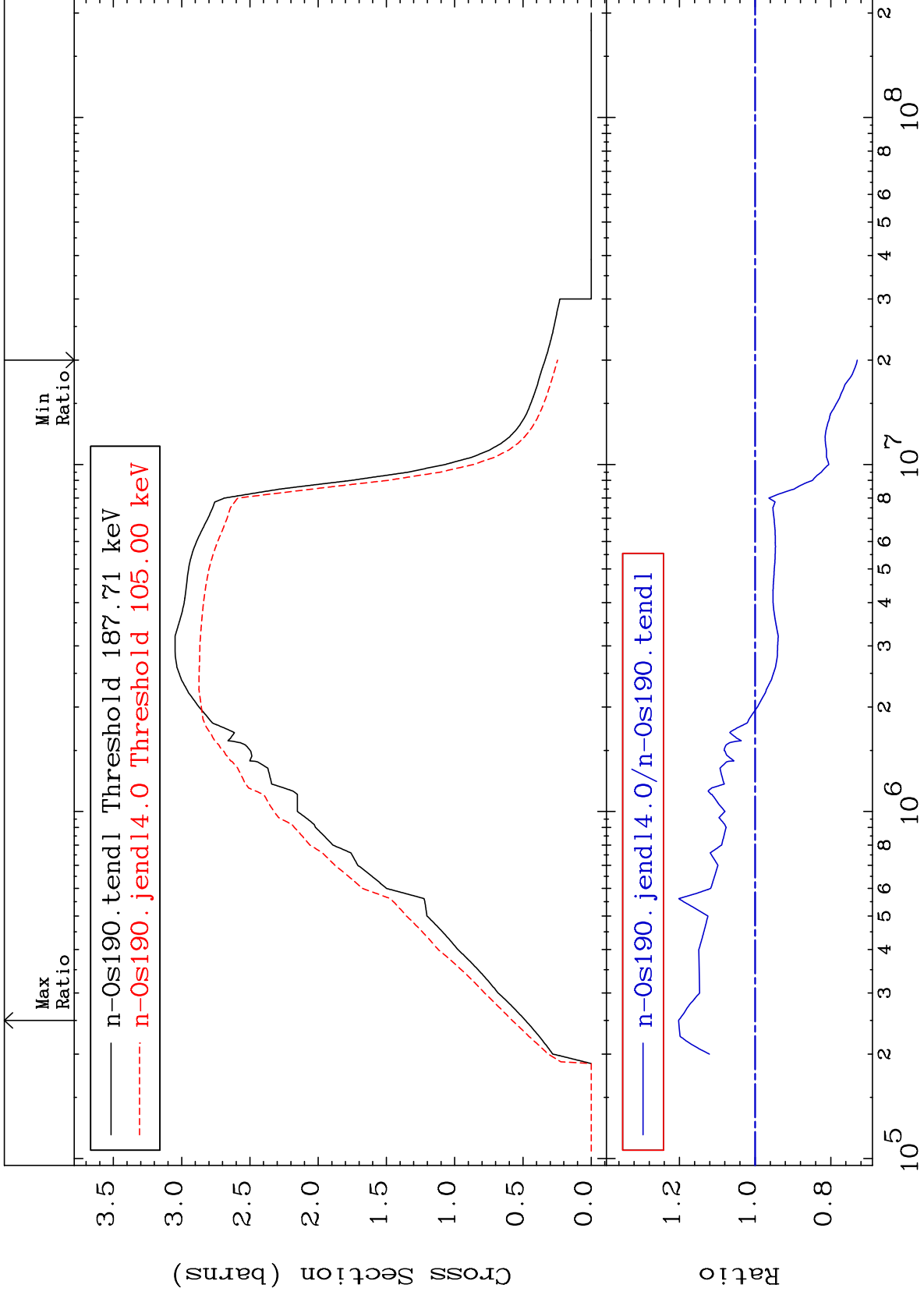
-99.88 To 9999. %



MAT 7643

Inelastic  
Cross Section

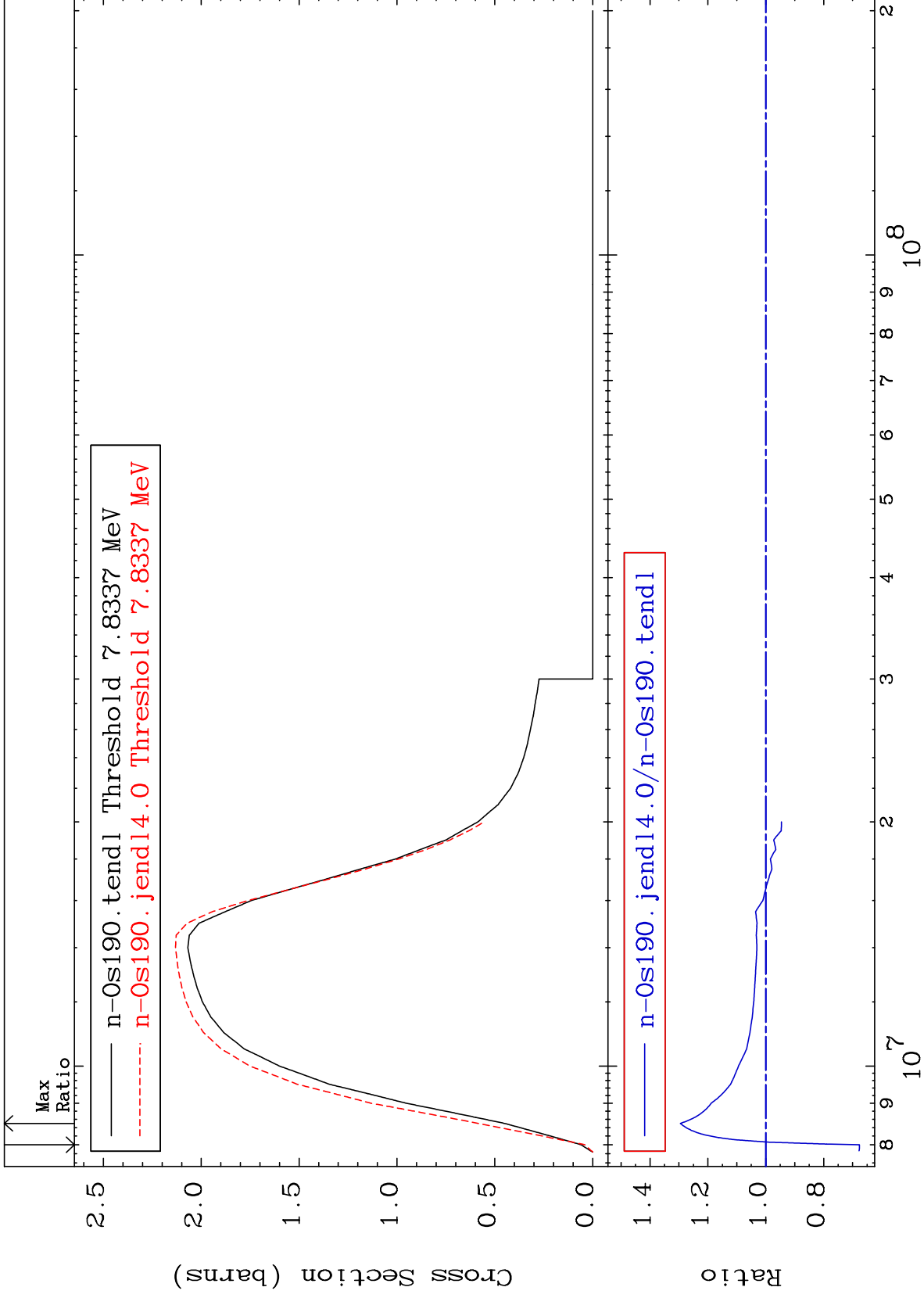
76-0s-190  
-27.01 To 20.22 %



MAT 7643

(n,2n)  
Cross Section

76-0s-190  
-32.35 To 29.51 %



4

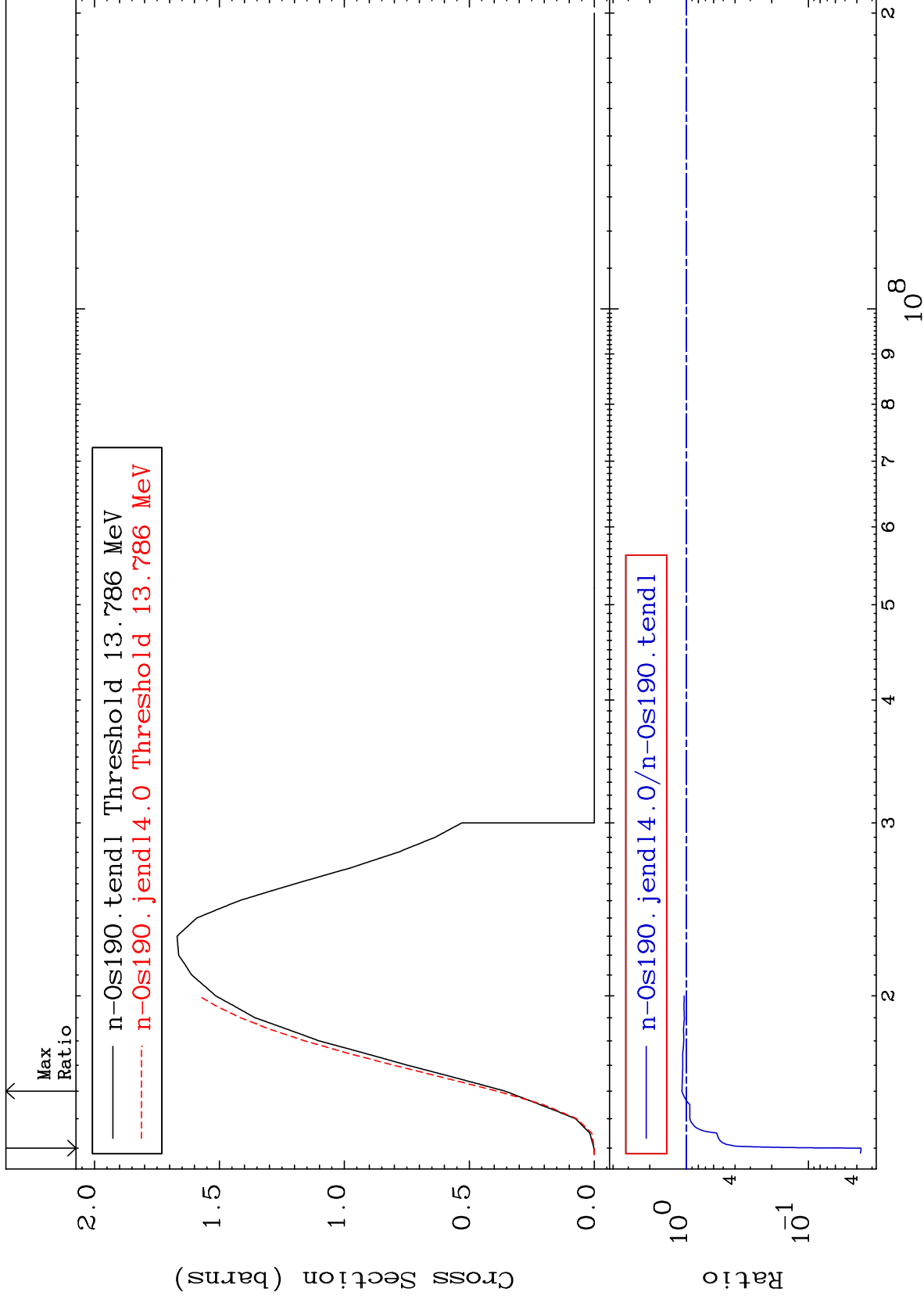
Incident Energy (eV)

76-0s-190

MAT 7643

(n,3n)  
Cross Section

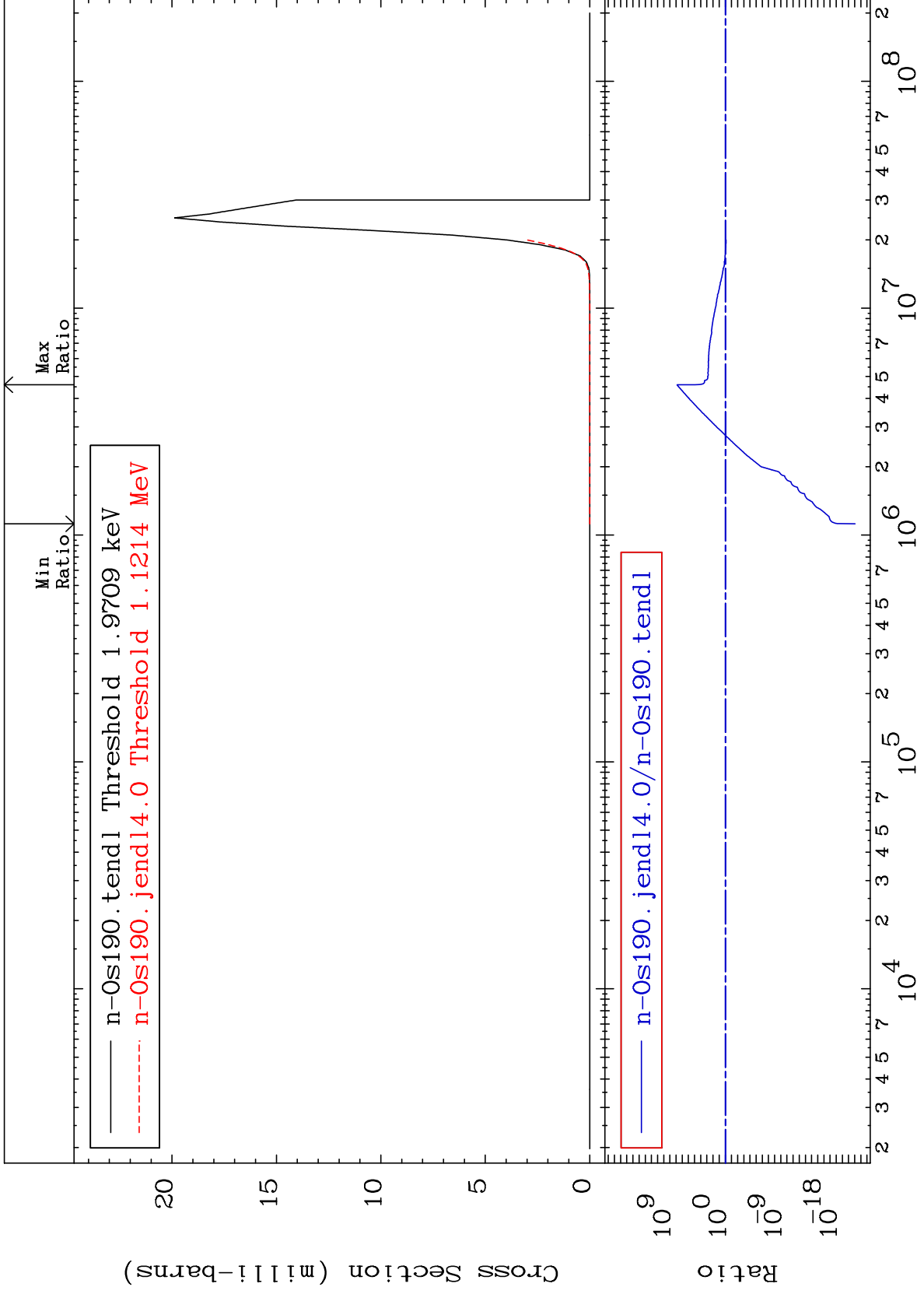
76-0s-190  
-96.30 To 9.069 %



MAT 7643

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

76-0s-190  
-100.0 To 9999. %



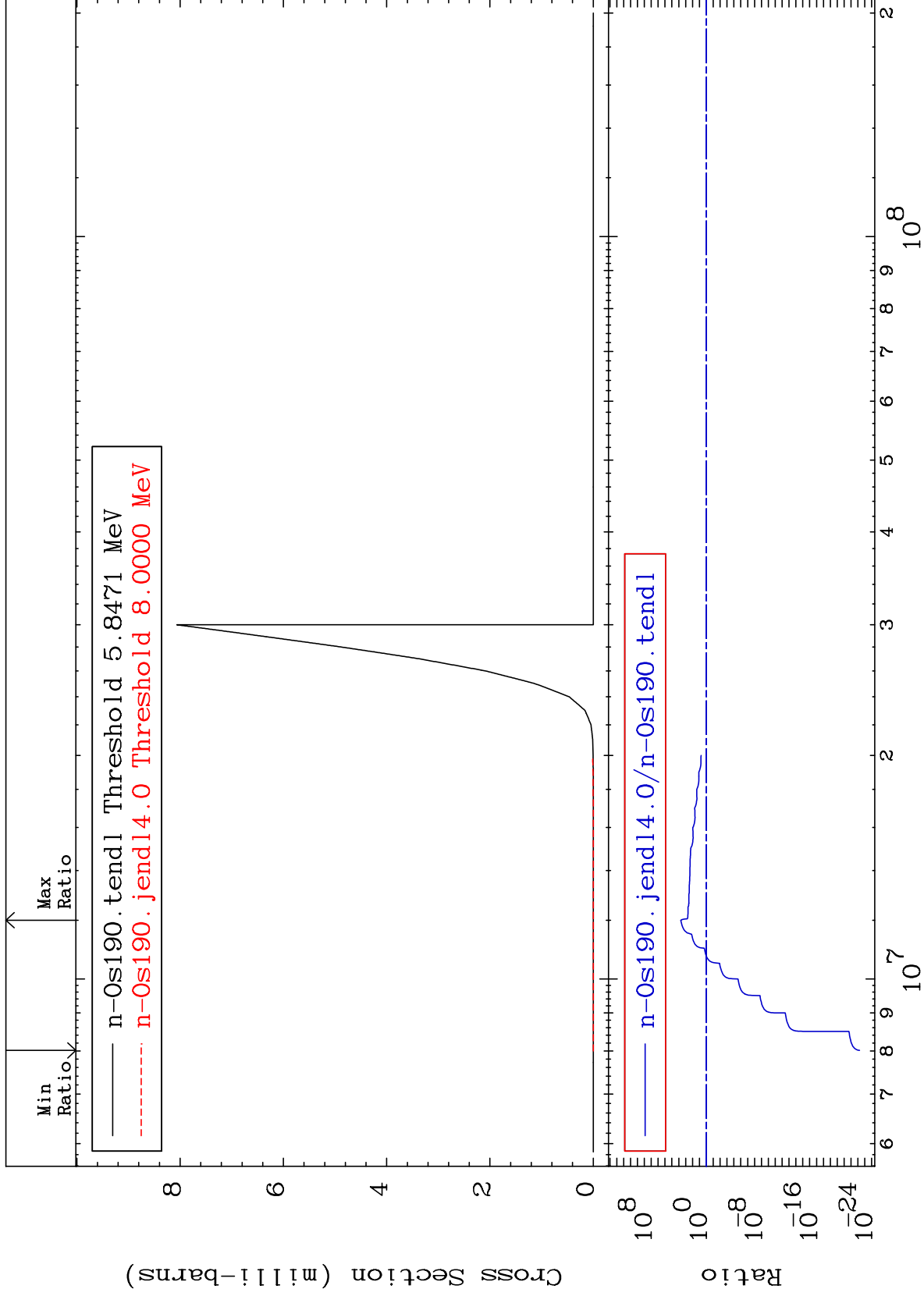
MAT 7643

(n,2n)  $\alpha$

76-0s-190

Cross Section

-100.0 To 9999. %



7

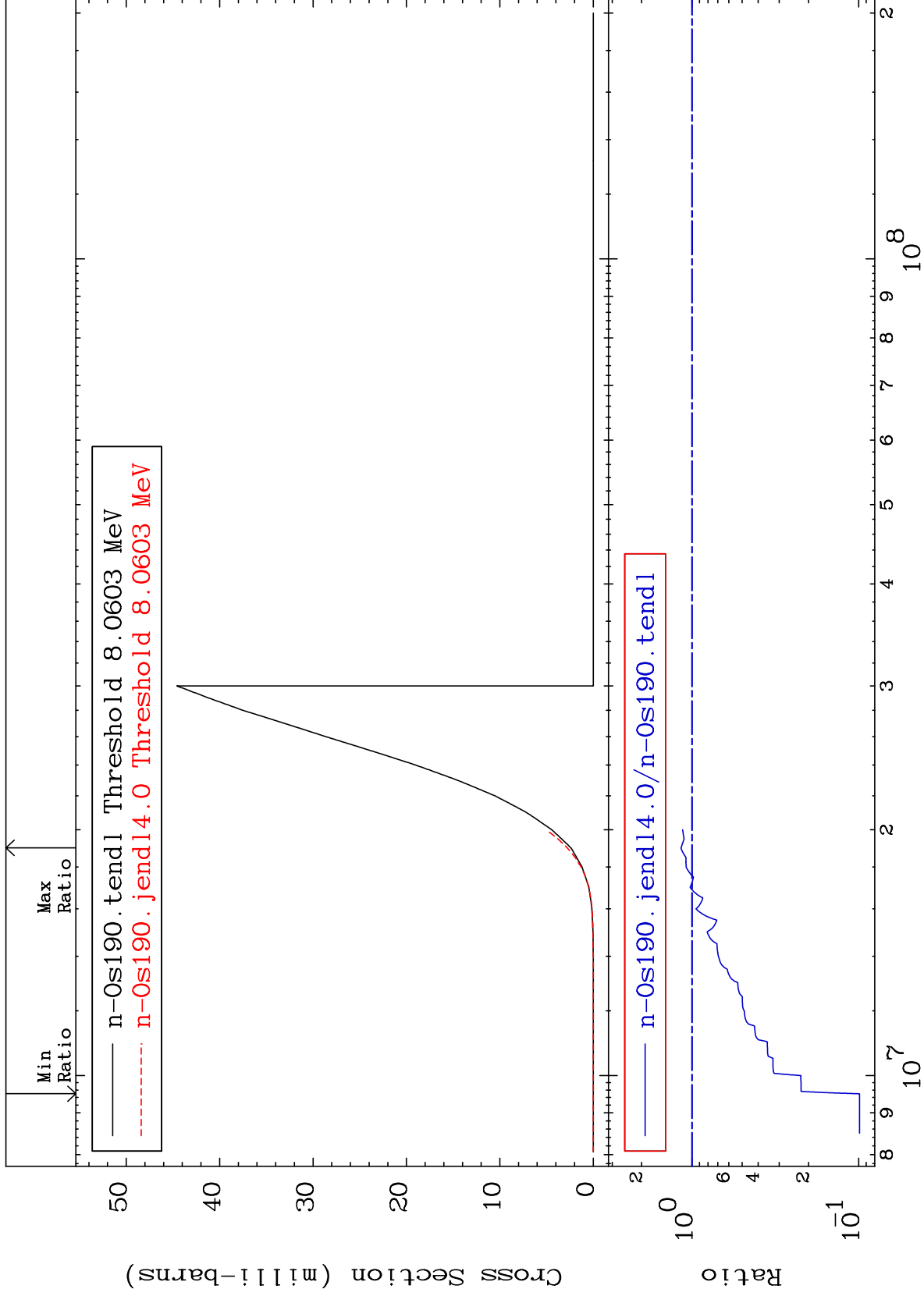
Incident Energy (eV)

76-0s-190

MAT 7643

(n,n') p  
Cross Section

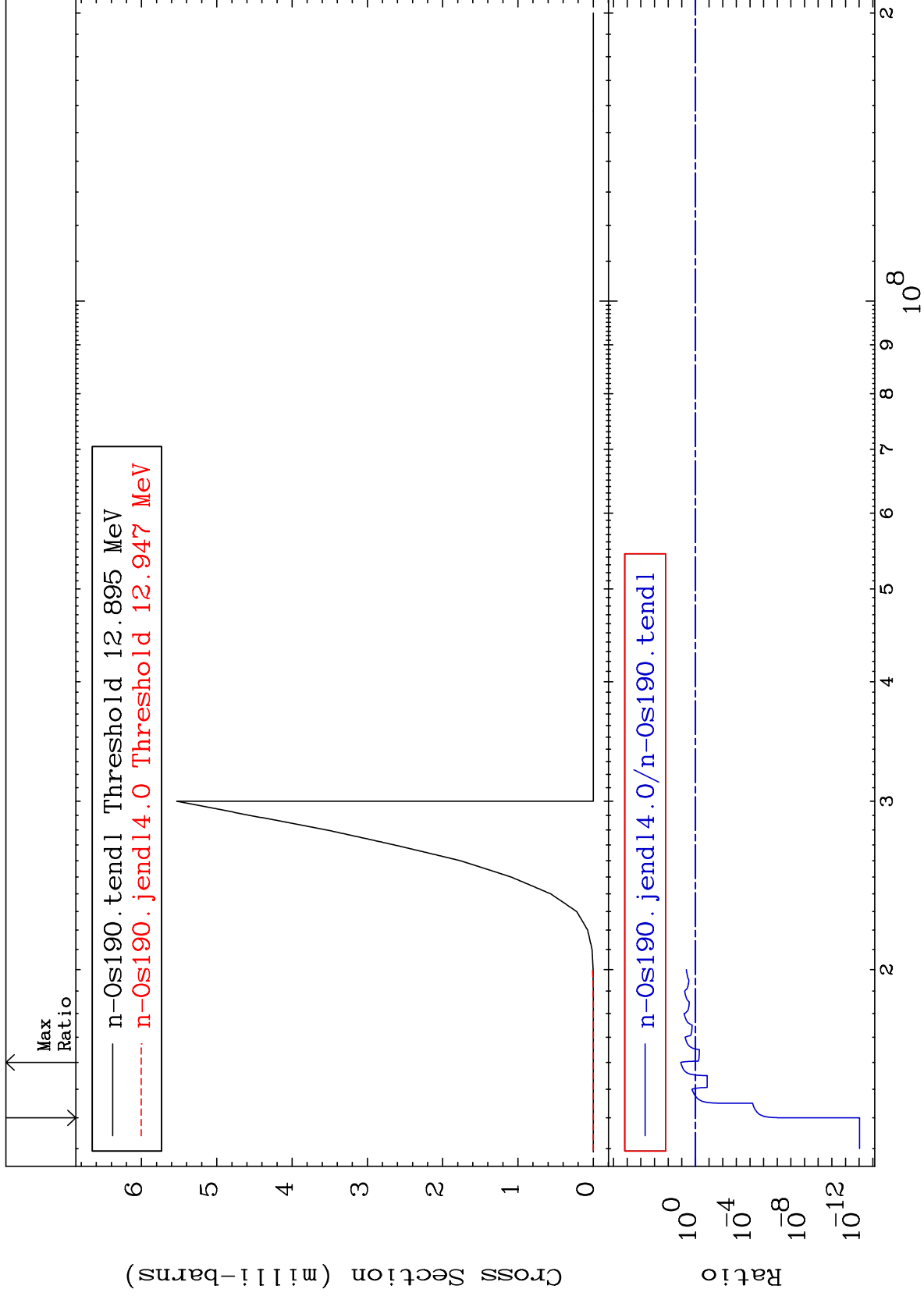
76-0s-190  
-90.12 To 16.60 %



8

Incident Energy (eV)

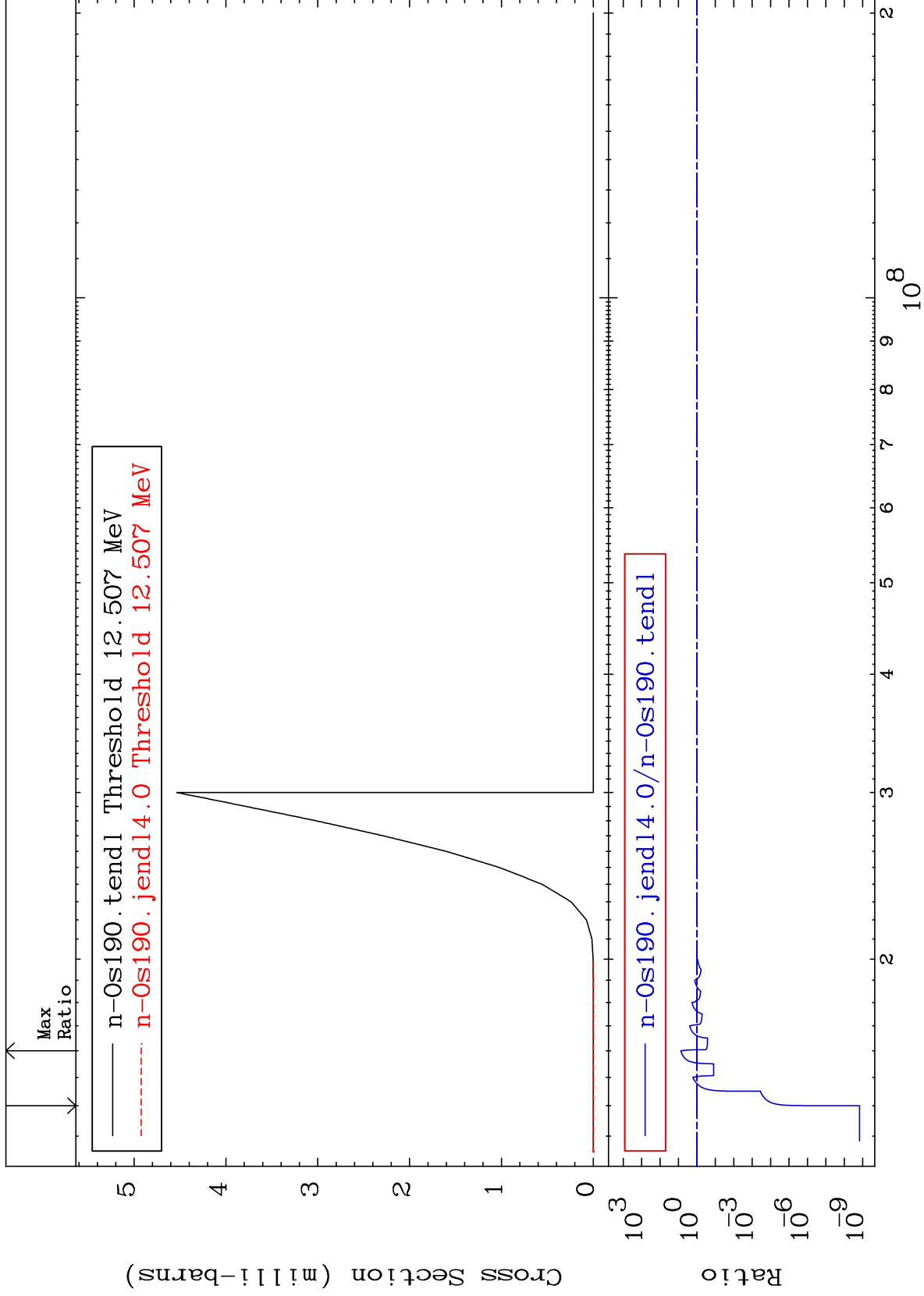
76-0s-190



MAT 7643

(n,n') t  
Cross Section

76-0s-190  
-100.0 To 653.1 %



10

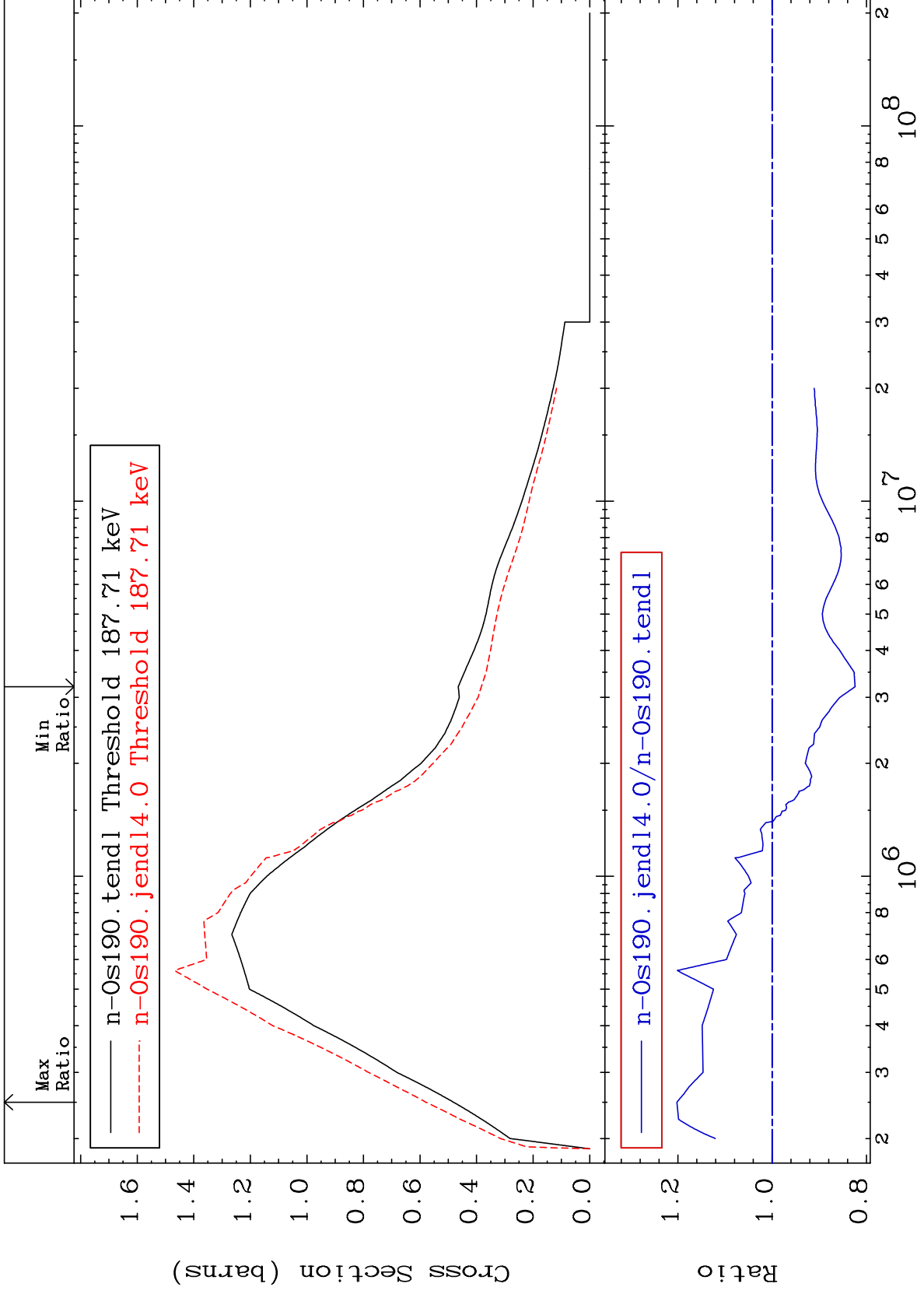
Incident Energy (eV)

76-0s-190

MAT 7643

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

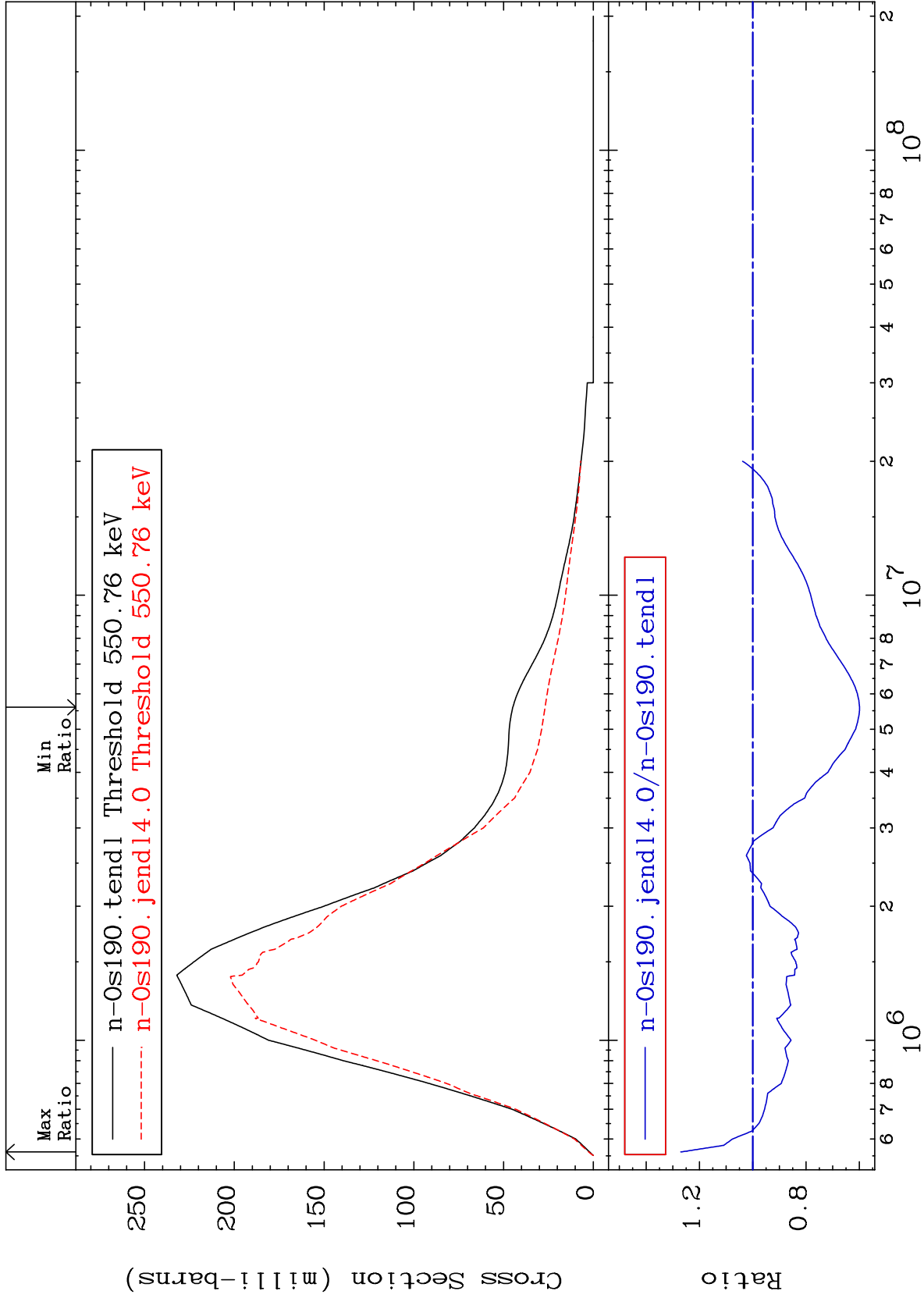
76-0s-190  
-17.60 To 20.21 %



MAT 7643

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

76-0s-190  
-40.06 To 26.99 %



12

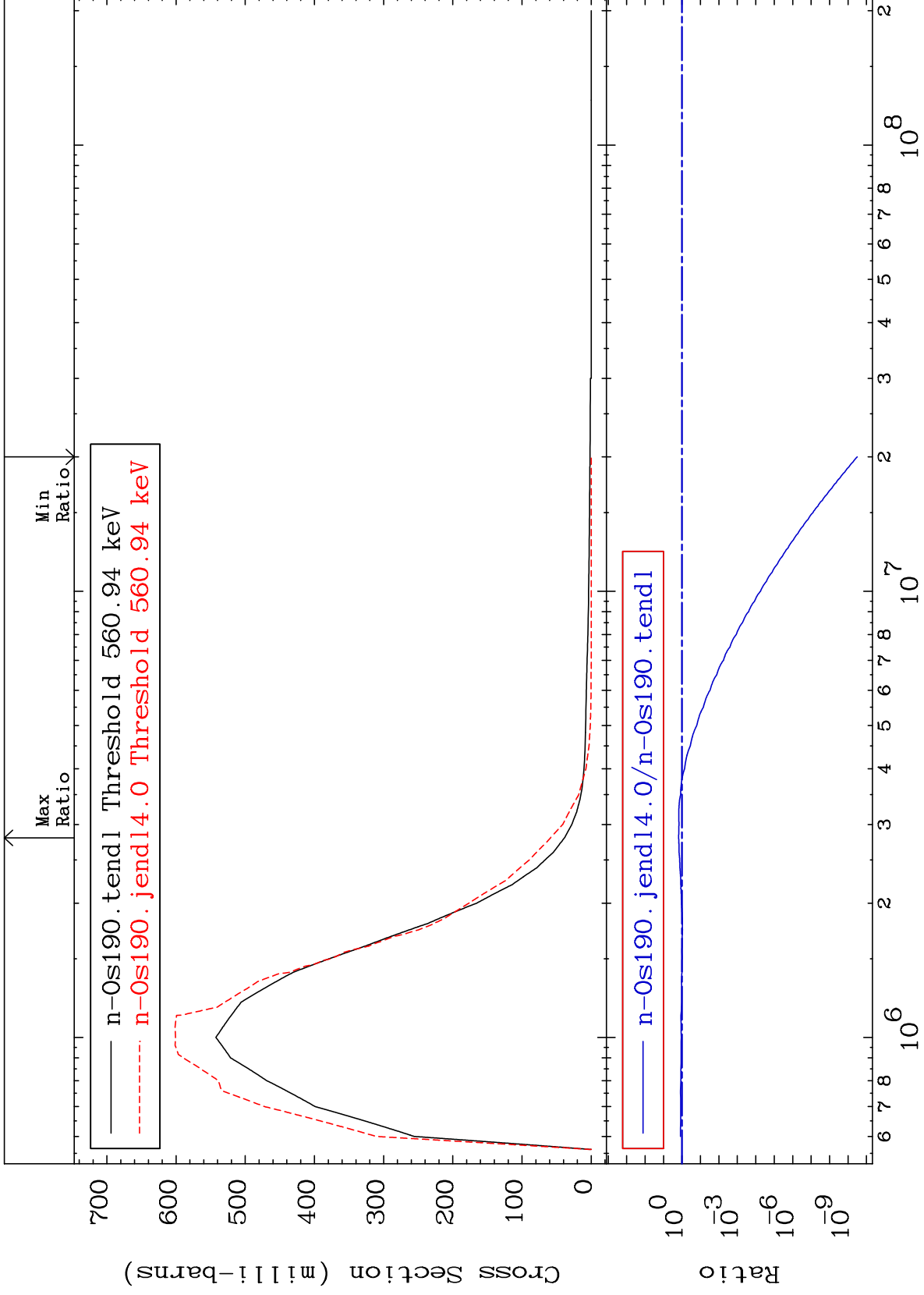
Incident Energy (eV)

76-0s-190

MAT 7643

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

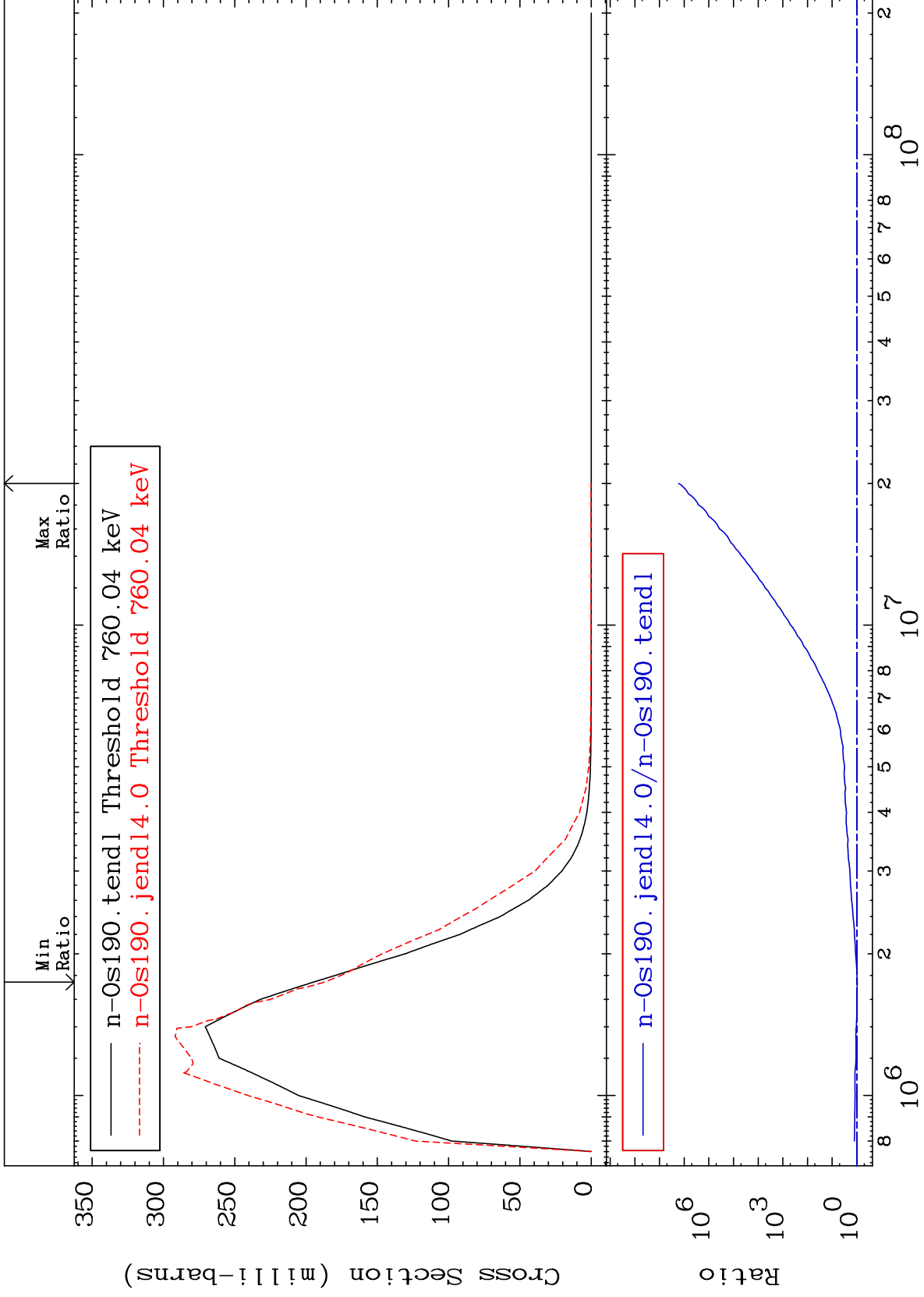
76-0s-190  
-100.0 To 52.57 %



MAT 7643

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

76-0s-190  
-3.942 To 9999. %



14

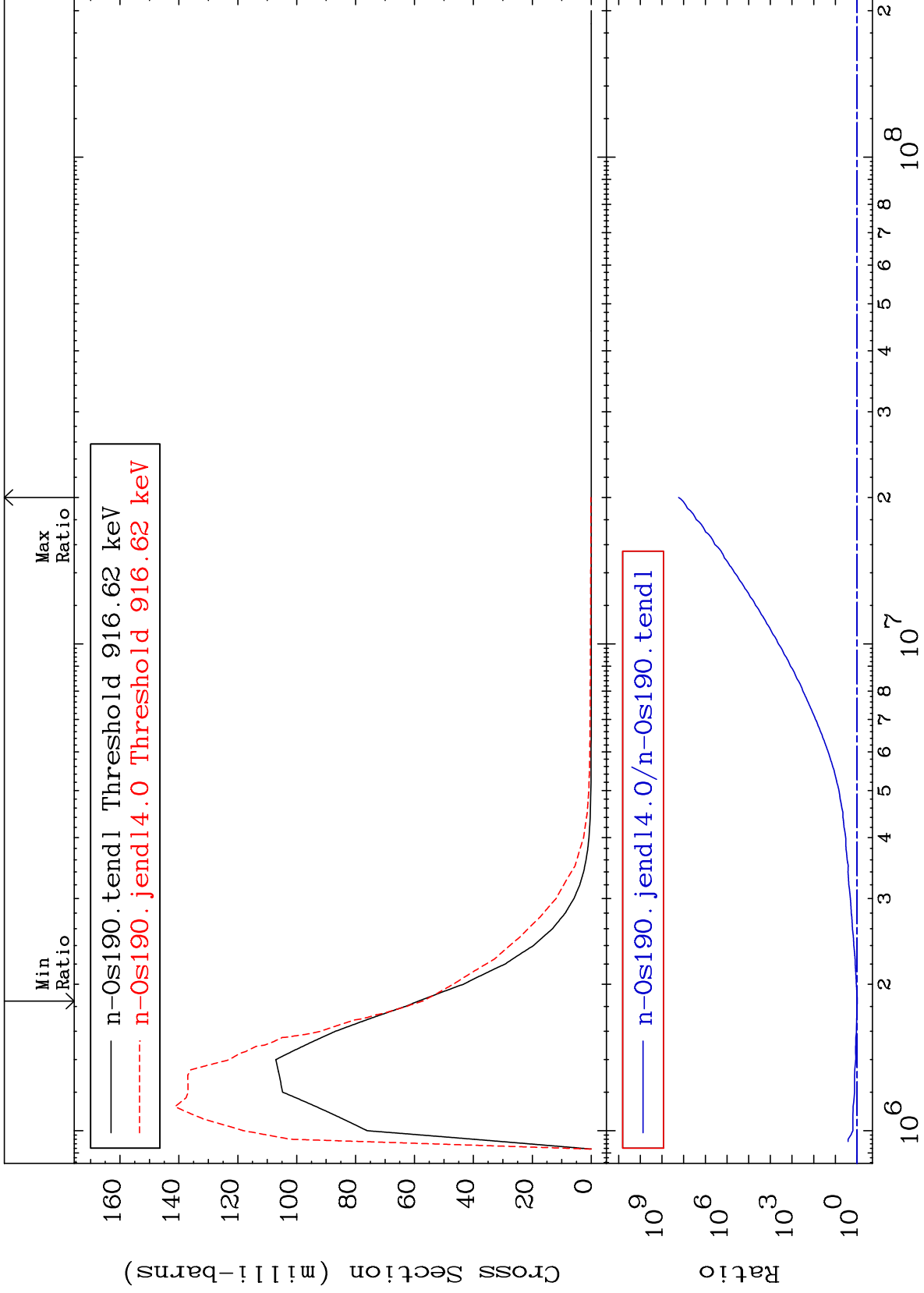
Incident Energy (eV)

76-0s-190

MAT 7643

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

76-0s-190  
-2.277 To 9999. %



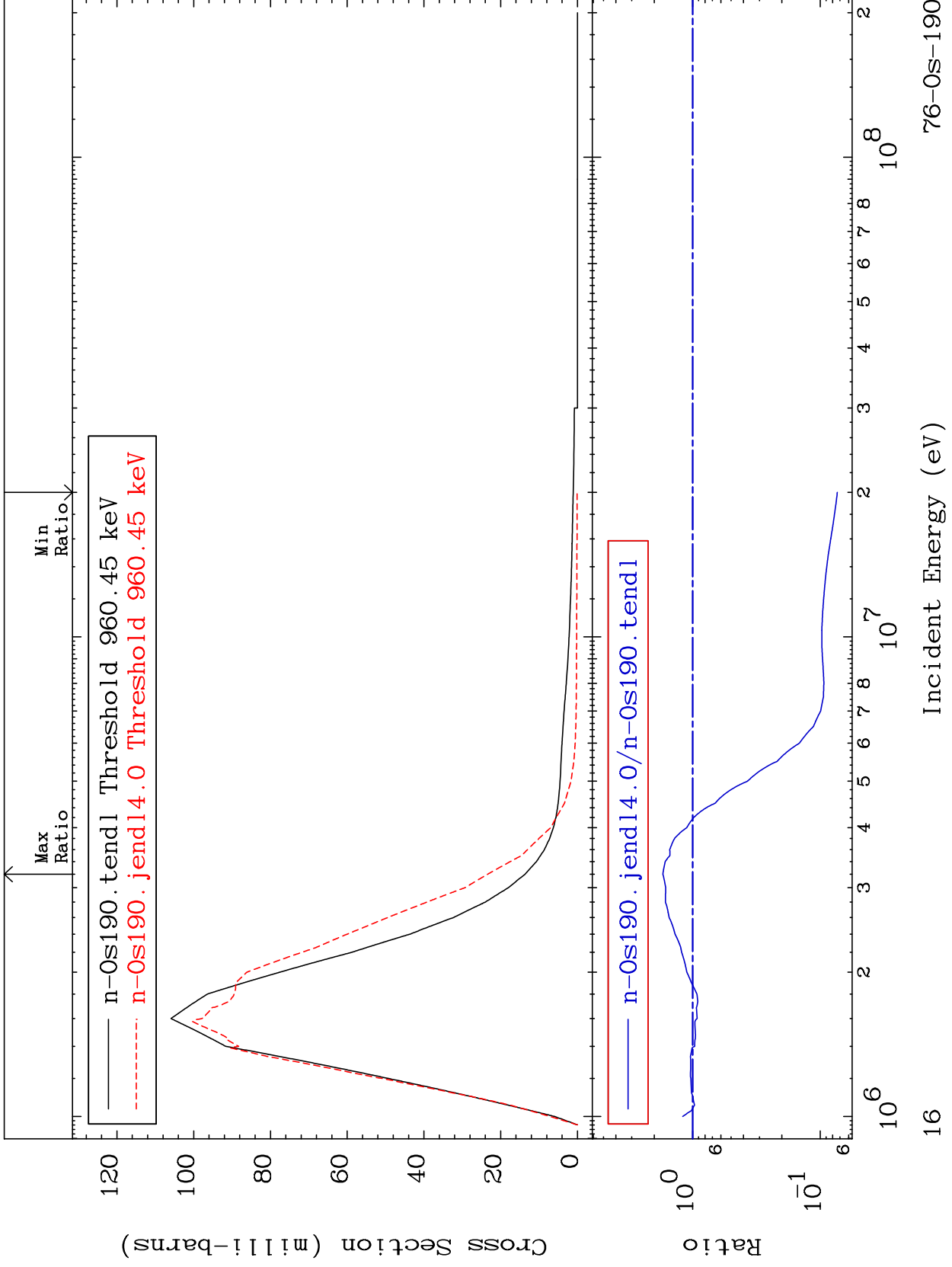
Incident Energy (eV)

76-0s-190

MAT 7643

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

76-0s-190  
-92.65 To 71.36 %

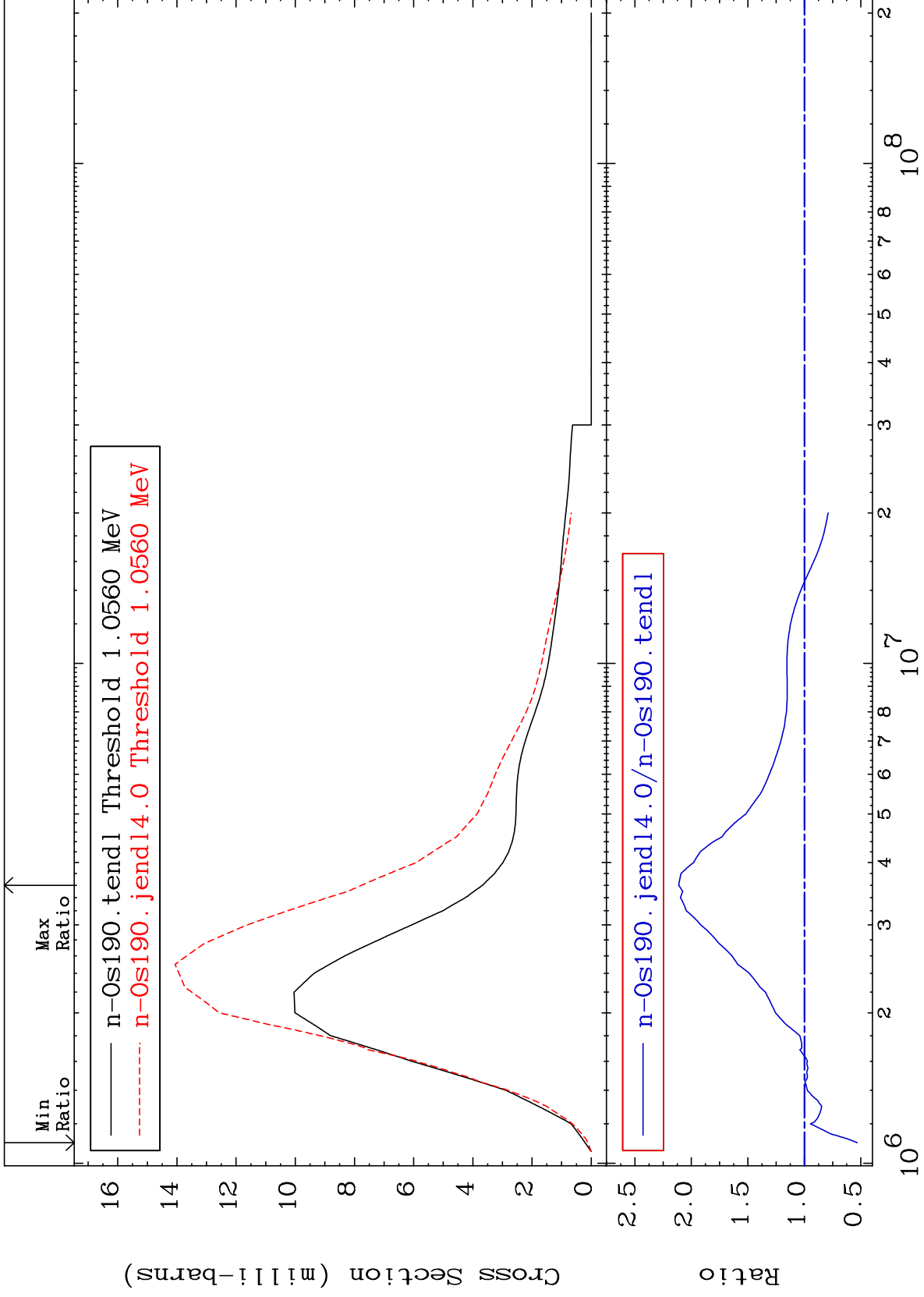


76-0s-190

MAT 7643

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

76-0s-190  
-46.82 To 111.3 %



17

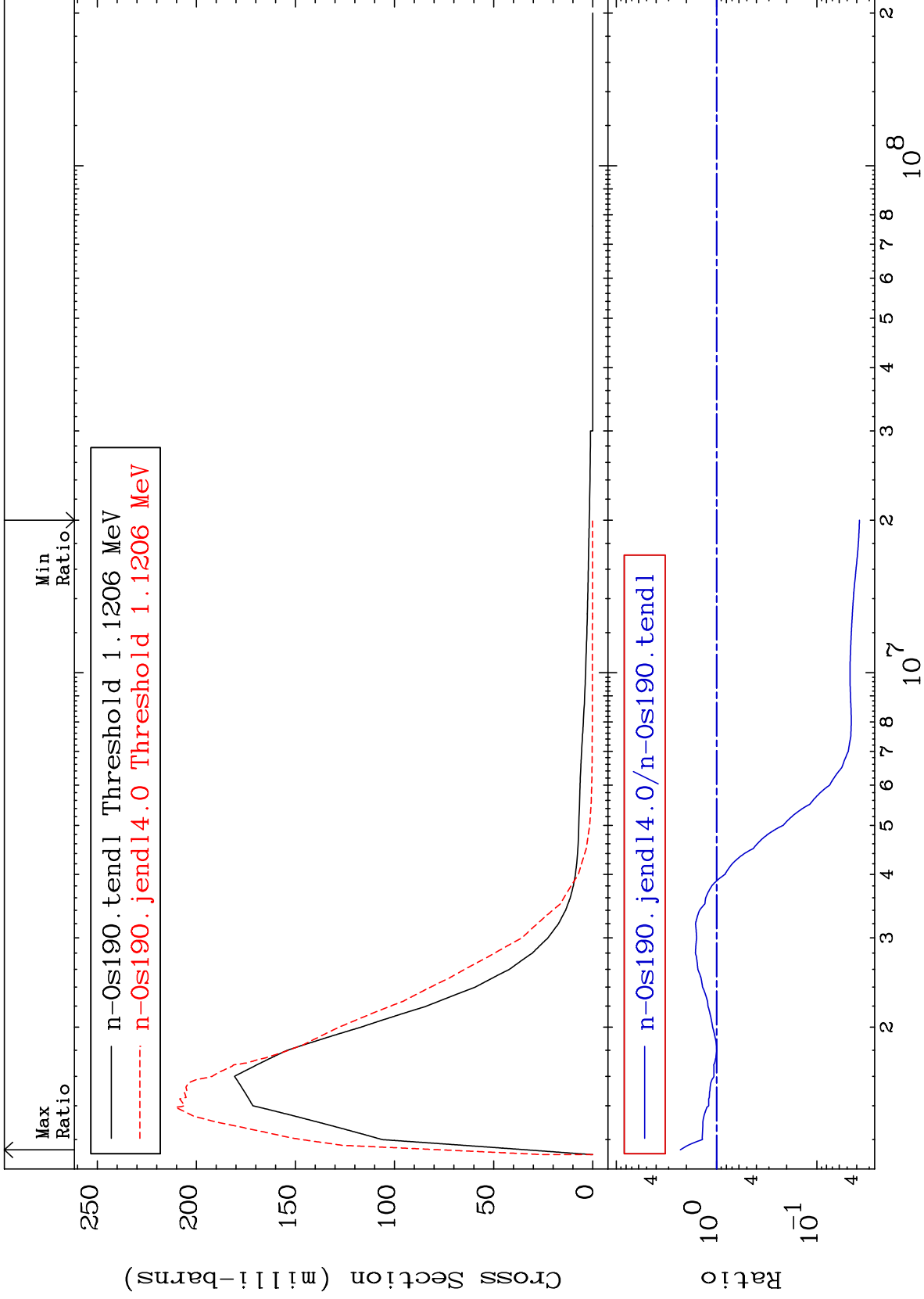
Incident Energy (eV)

76-0s-190

MAT 7643

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

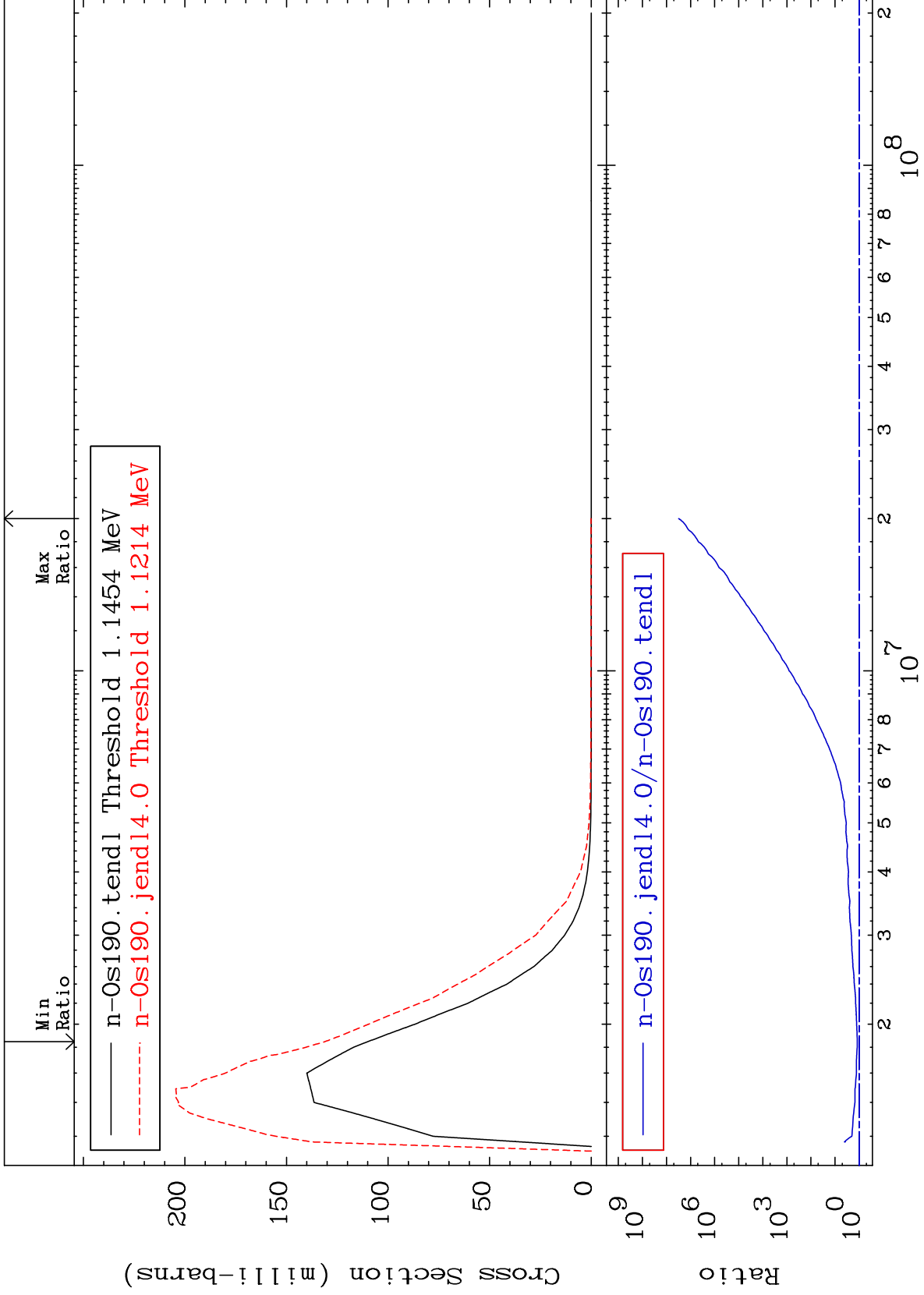
76-0s-190  
-96.24 To 129.7 %



MAT 7643

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

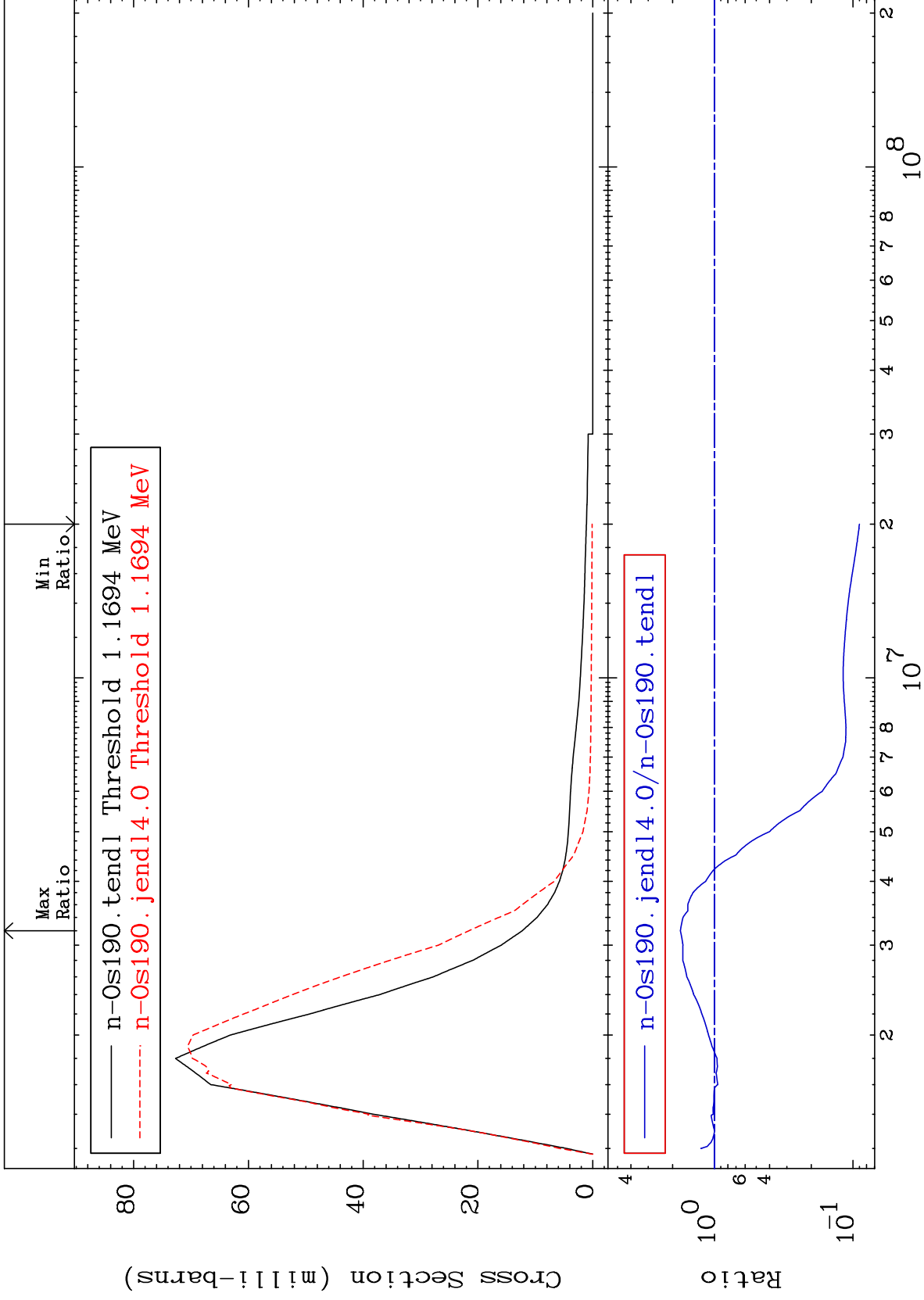
76-0s-190  
19.19 To 9999. %



MAT 7643

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

76-0s-190  
-91.01 To 76.04 %



20

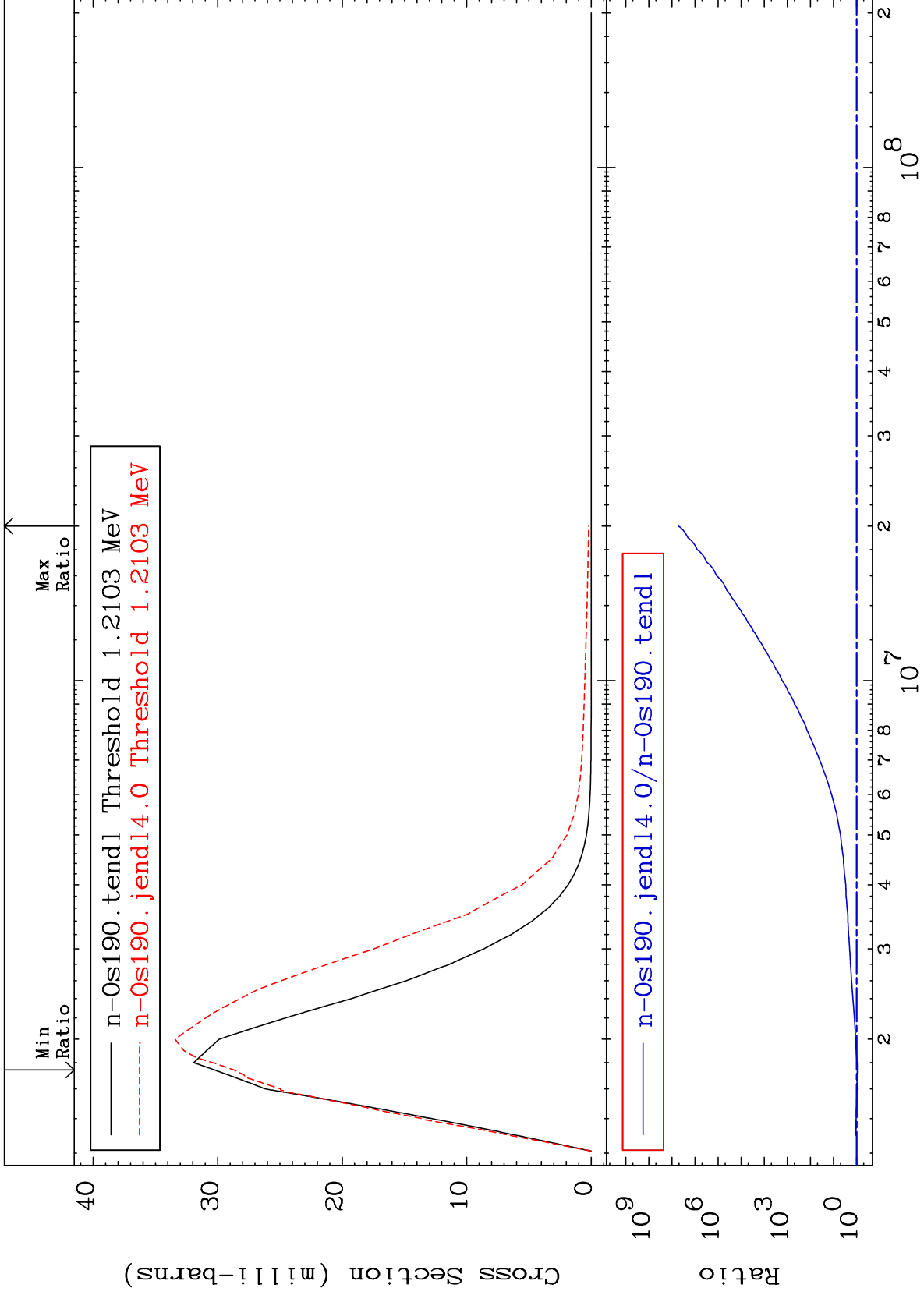
Incident Energy (eV)

76-0s-190

MAT 7643

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

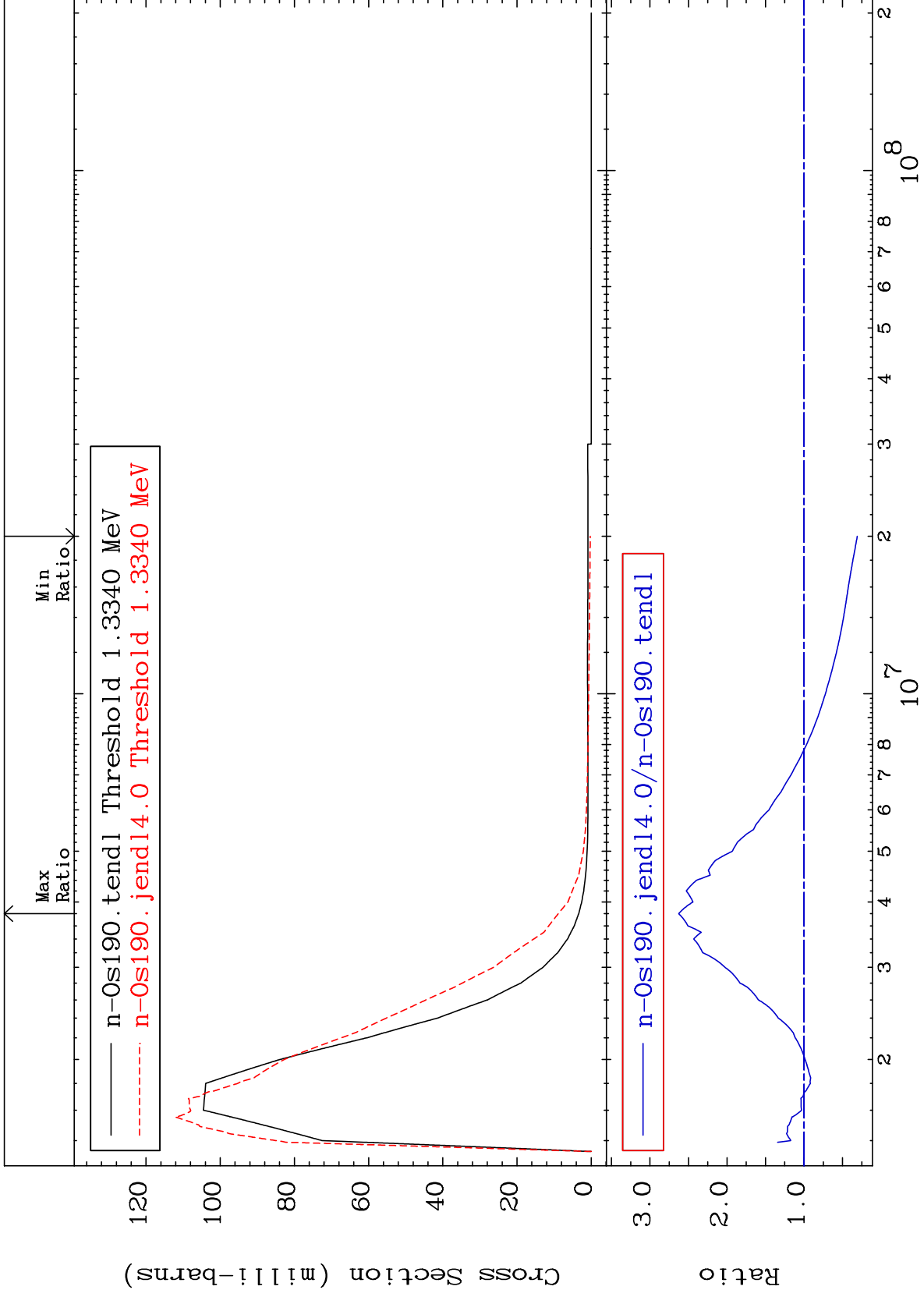
76-0s-190  
-5.156 To 9999. %



MAT 7643

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

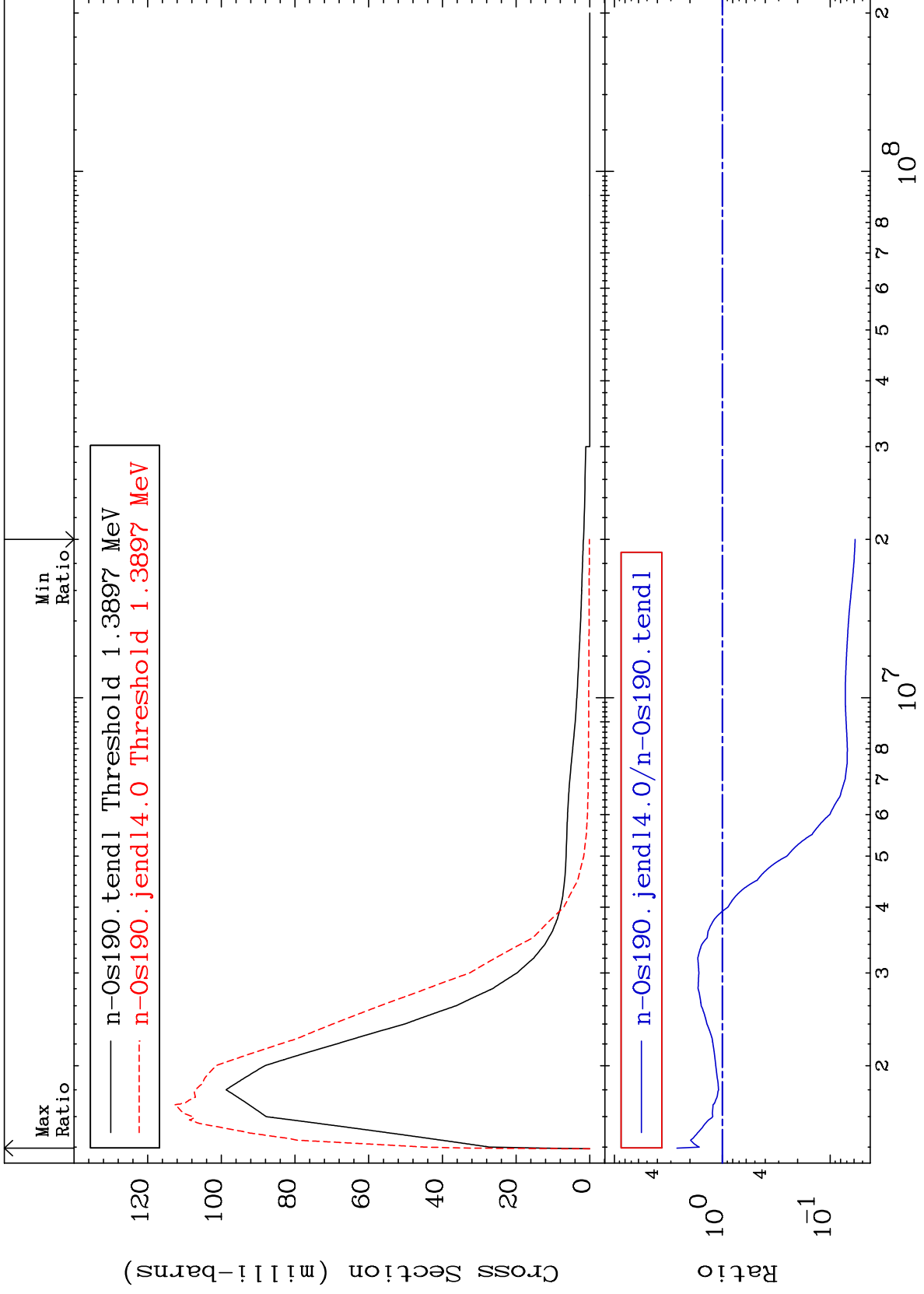
76-0s-190  
-69.13 To 162.8 %



MAT 7643

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

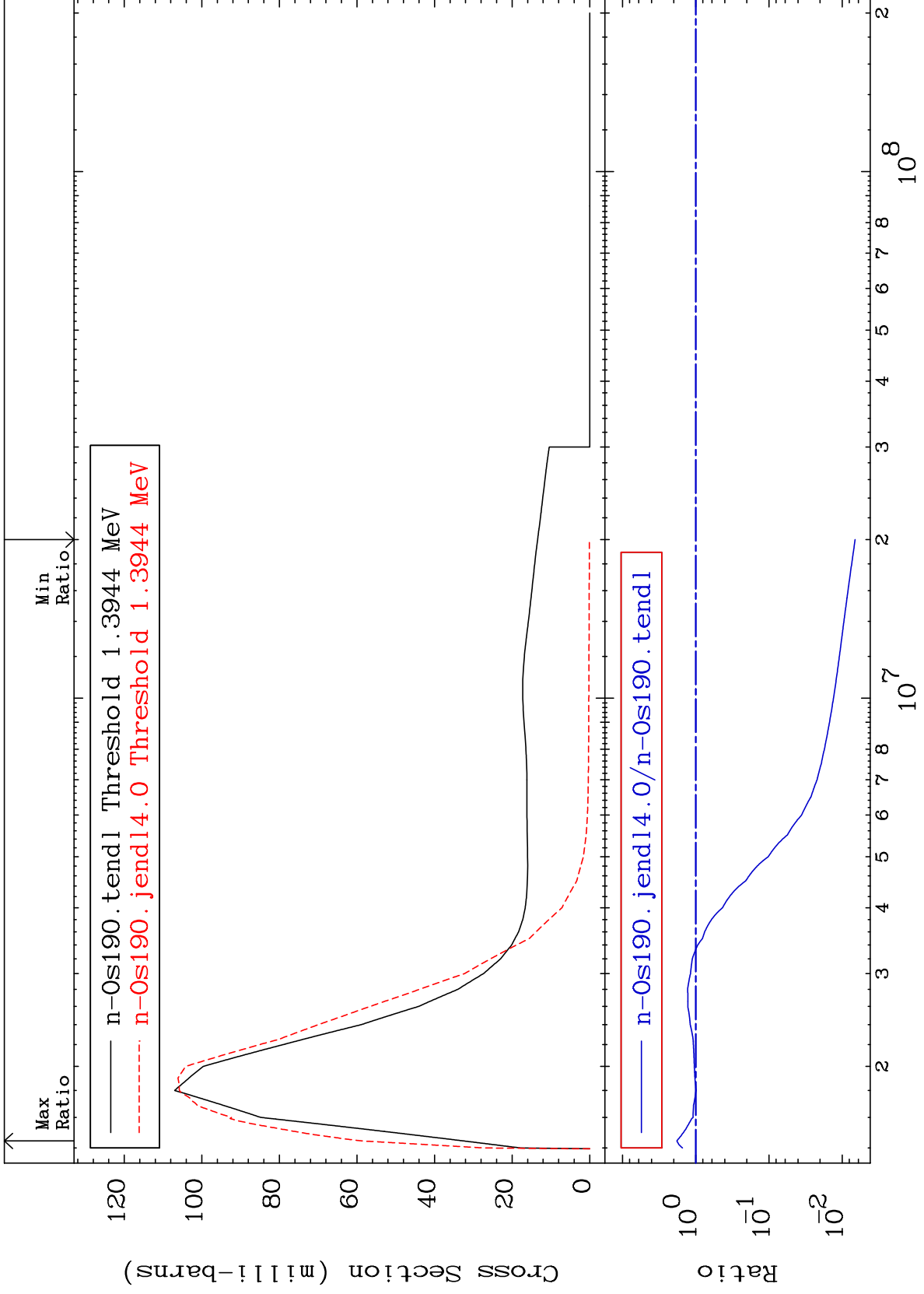
76-0s-190  
-94.13 To 163.6 %



MAT 7643

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

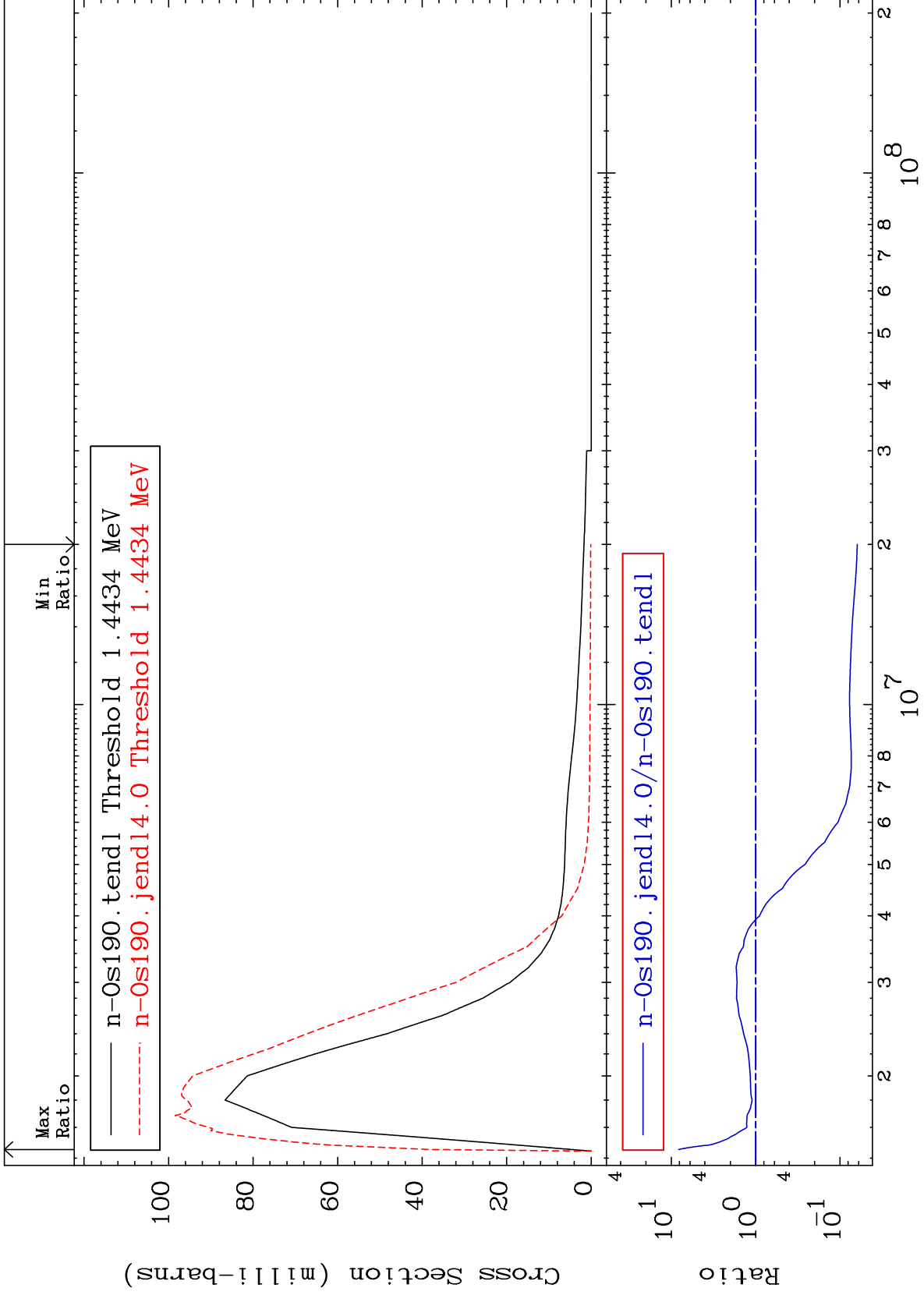
76-0s-190  
-99.33 To 80.58 %



MAT 7643

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

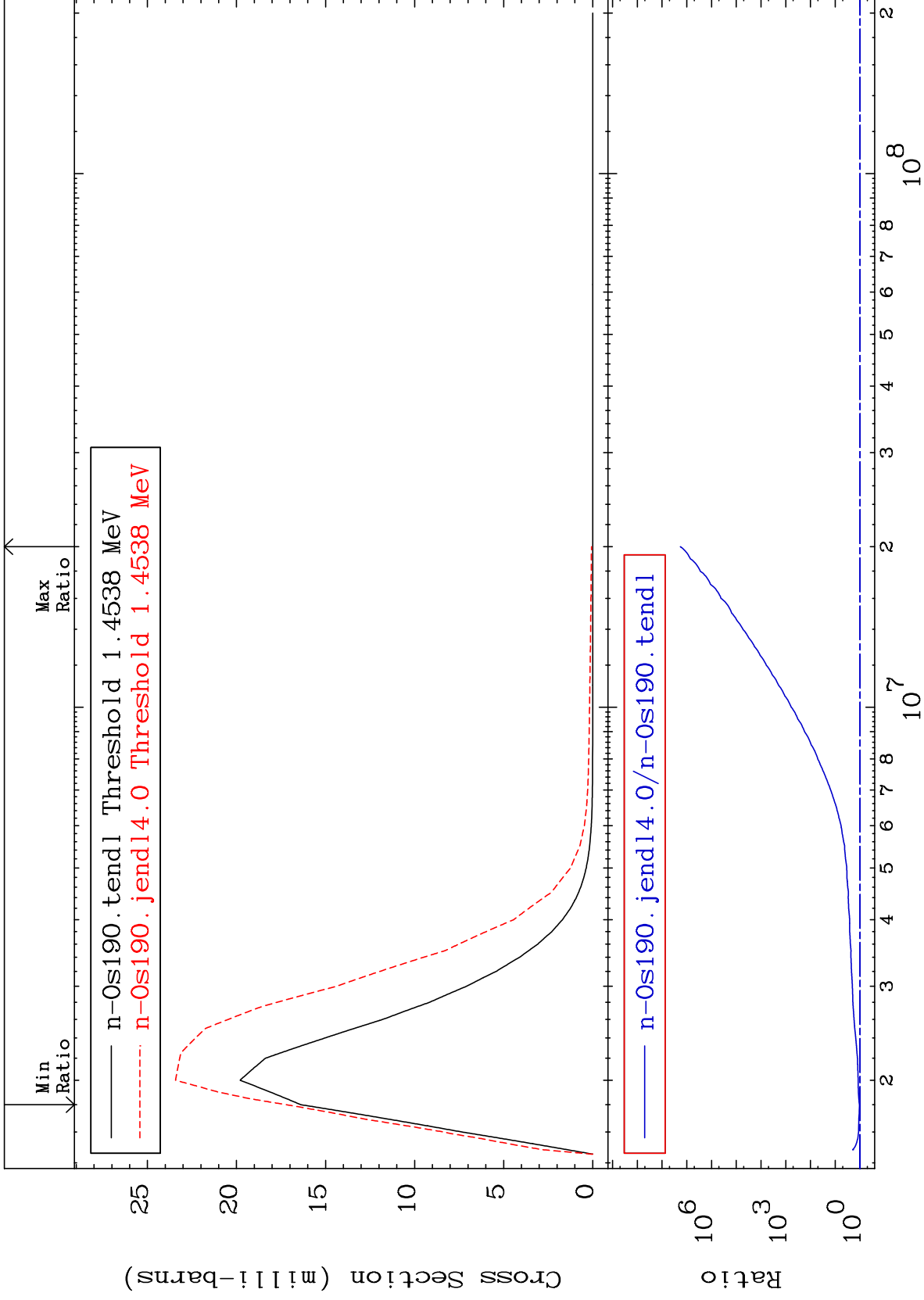
76-0s-190  
-93.75 To 719.1 %



MAT 7643

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

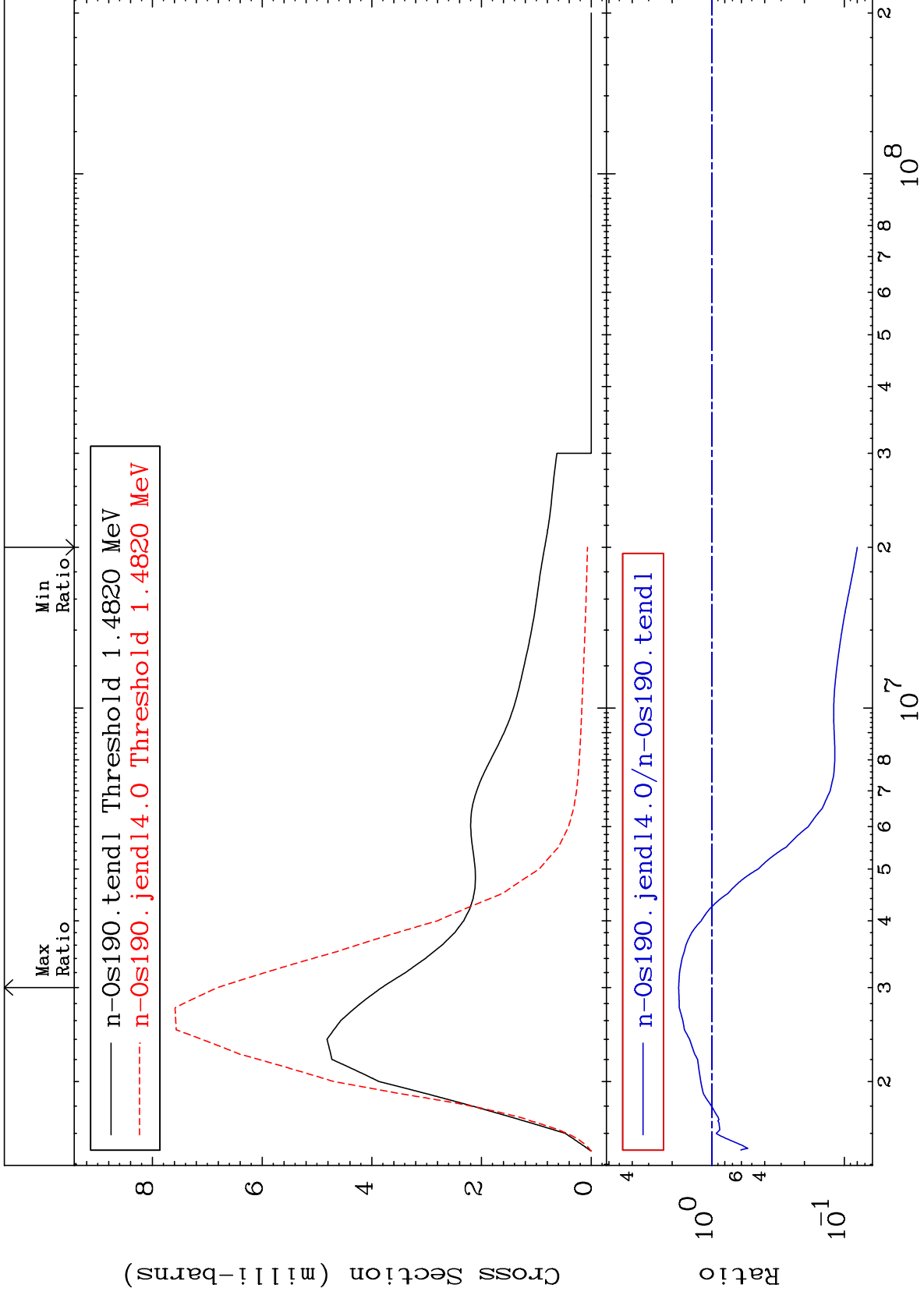
76-0s-190  
5.022 To 9999. %



MAT 7643

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

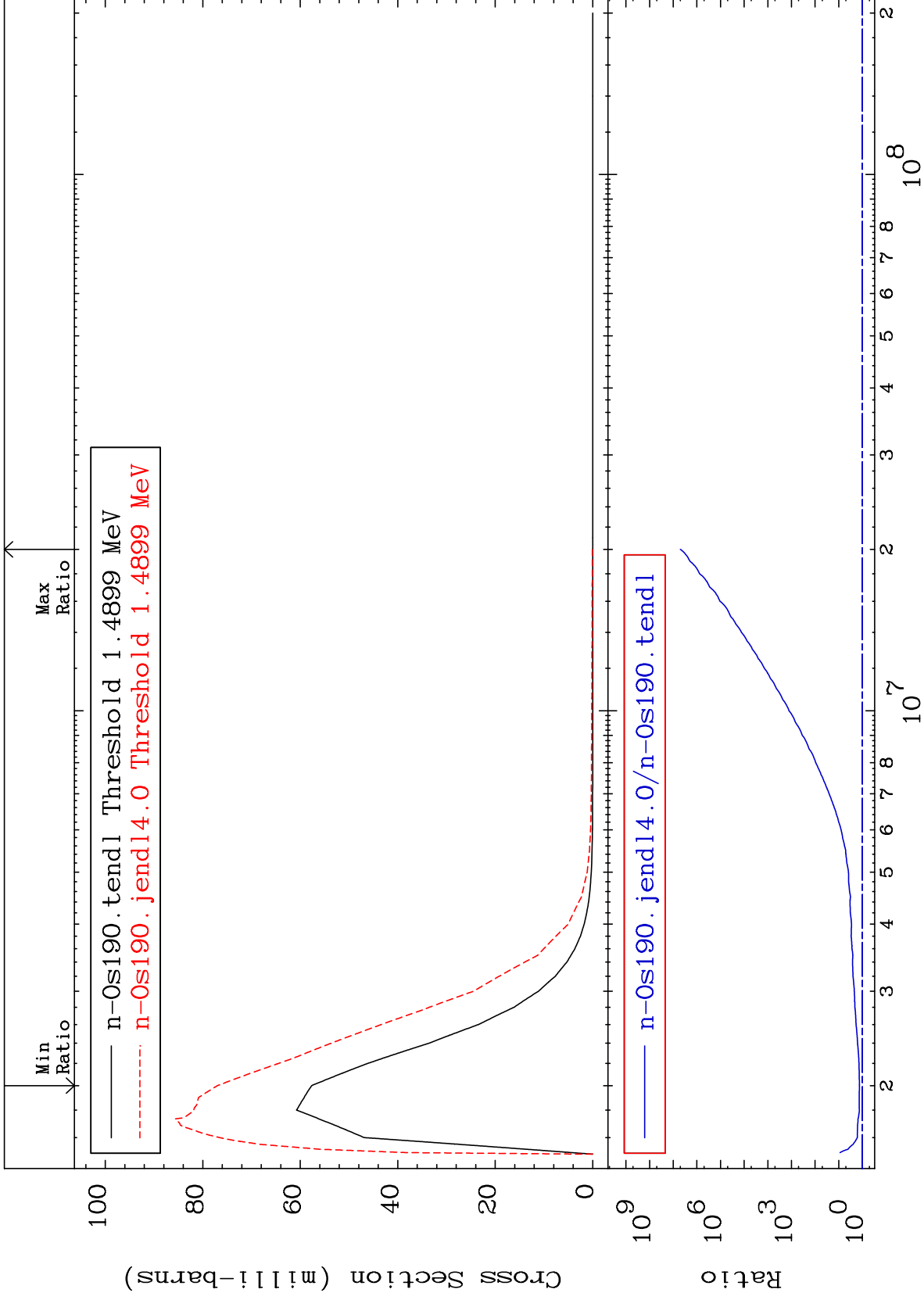
76-0s-190  
-92.01 To 78.34 %



MAT 7643

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

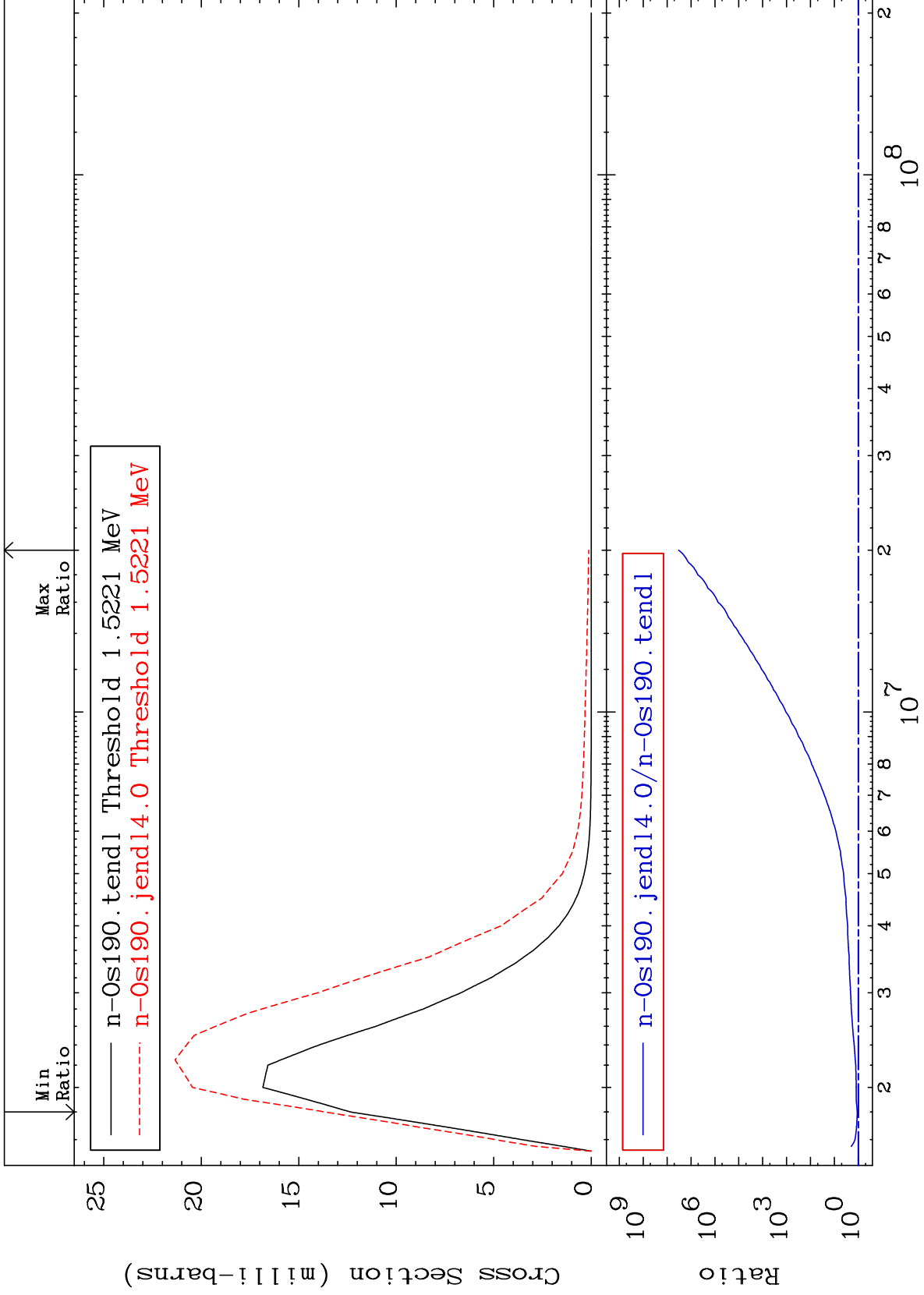
76-0s-190  
33.50 To 9999. %



MAT 7643

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

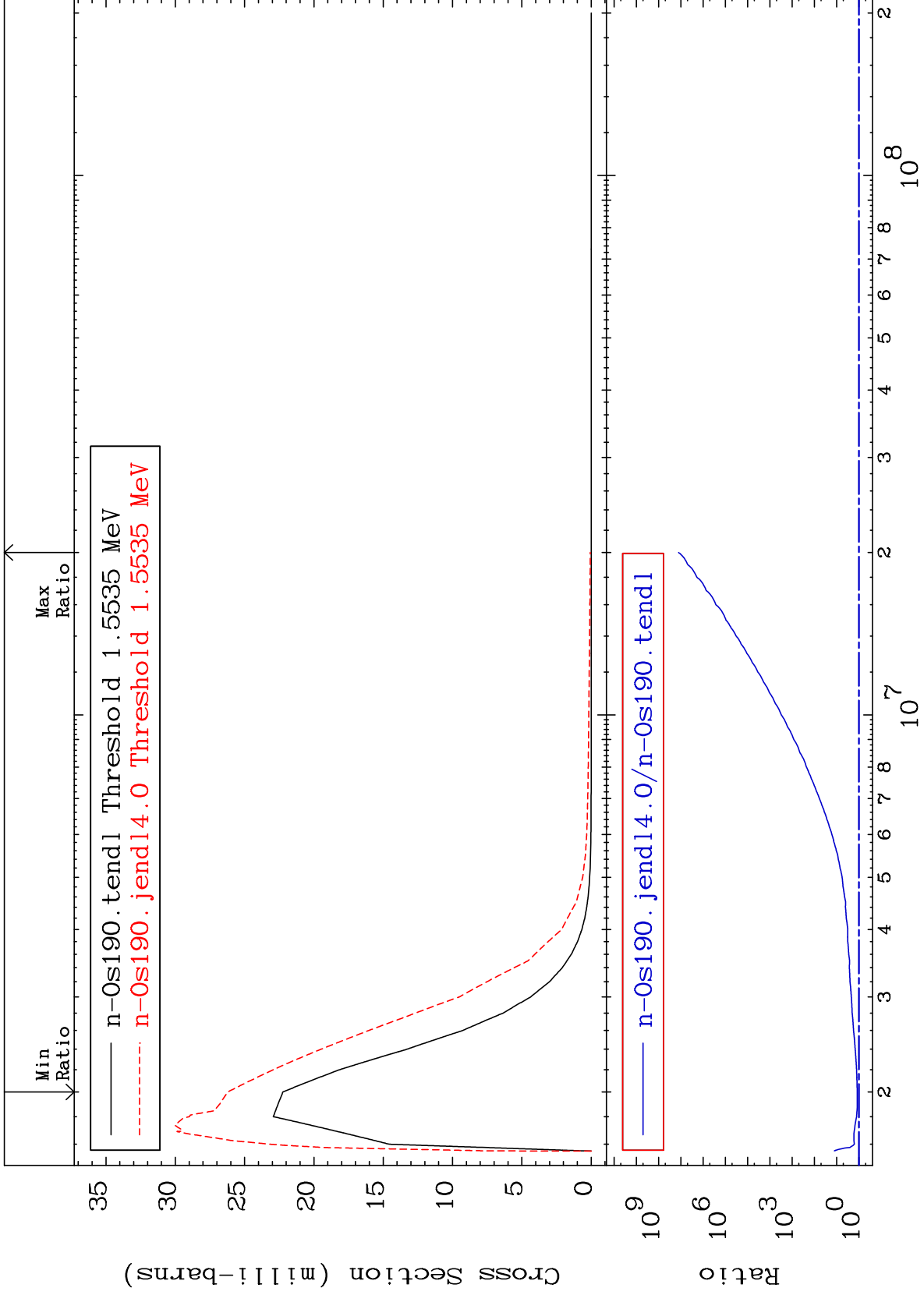
76-0s-190  
10.49 To 9999. %



MAT 7643

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

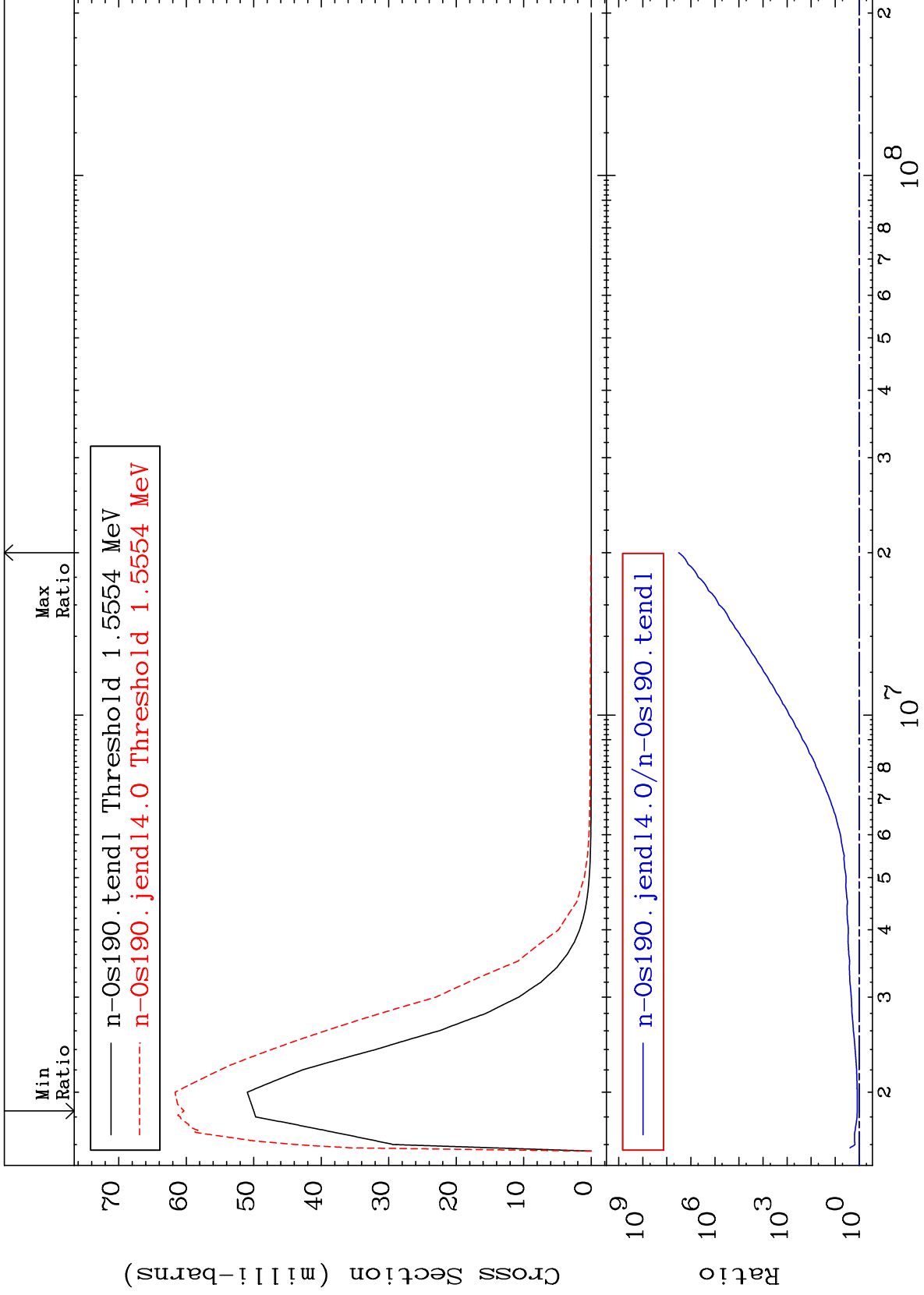
76-0s-190  
17.89 To 9999. %



MAT 7643

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

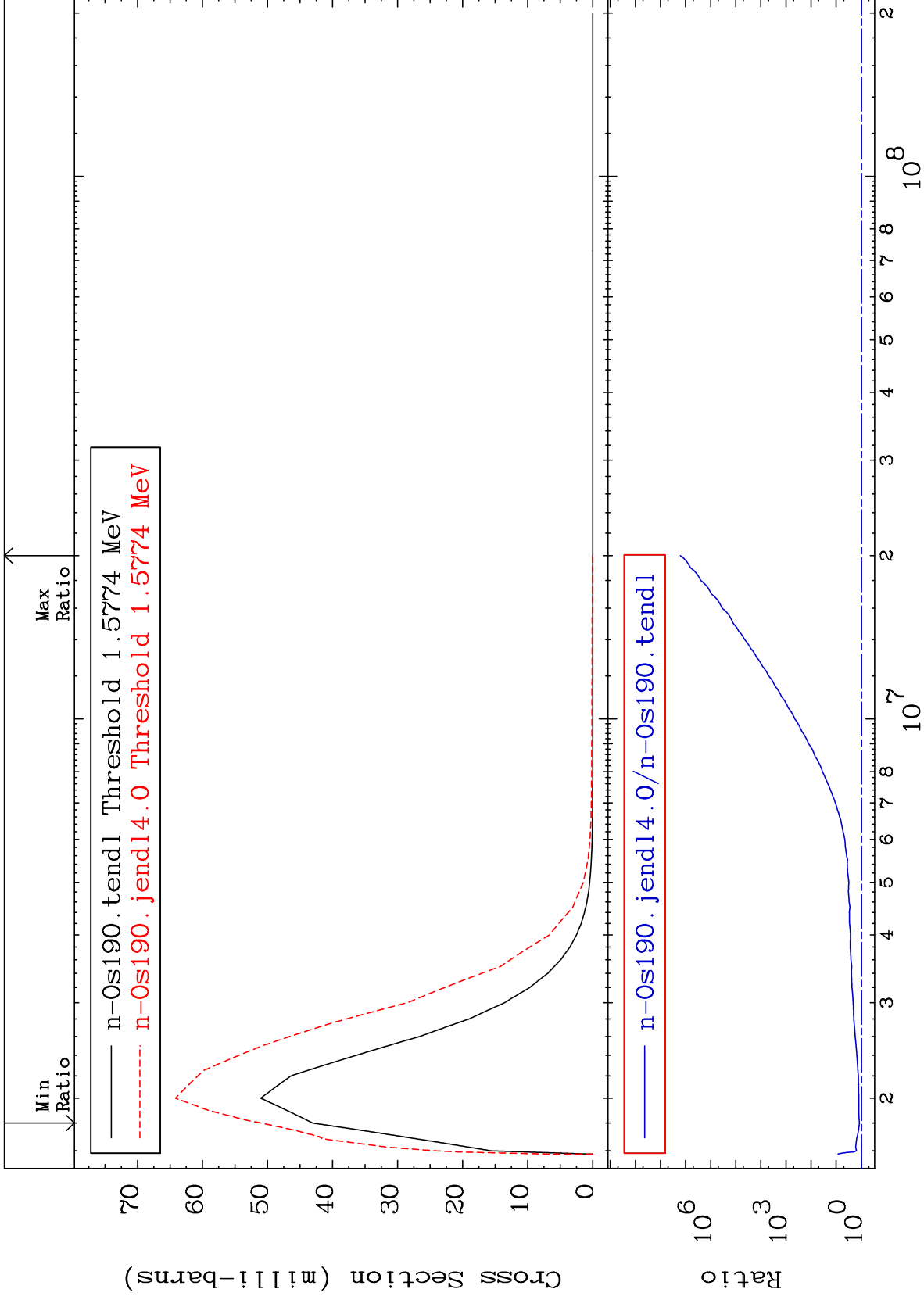
76-0s-190  
20.64 To 9999. %



MAT 7643

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

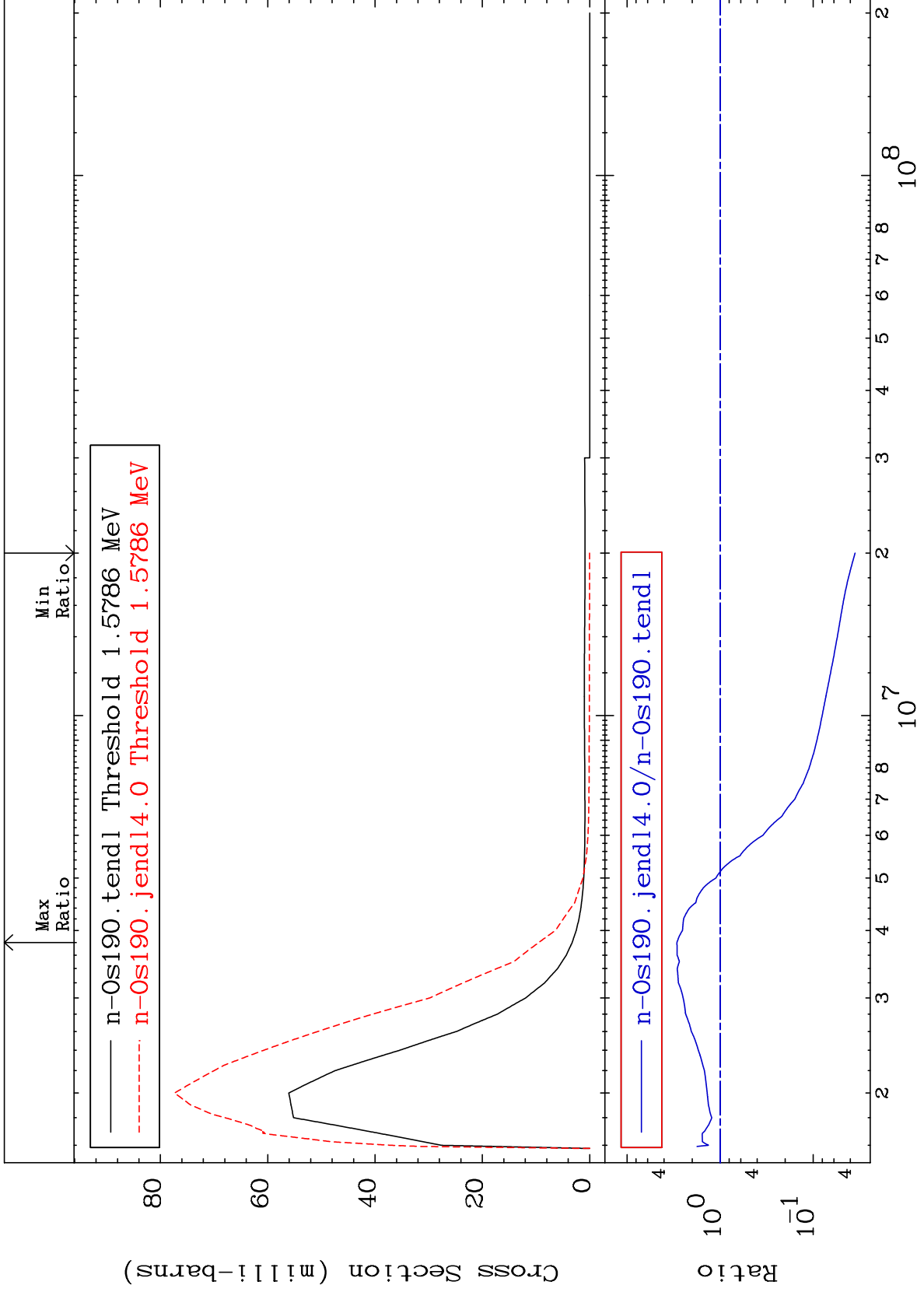
76-0s-190  
18.38 To 9999. %



MAT 7643

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

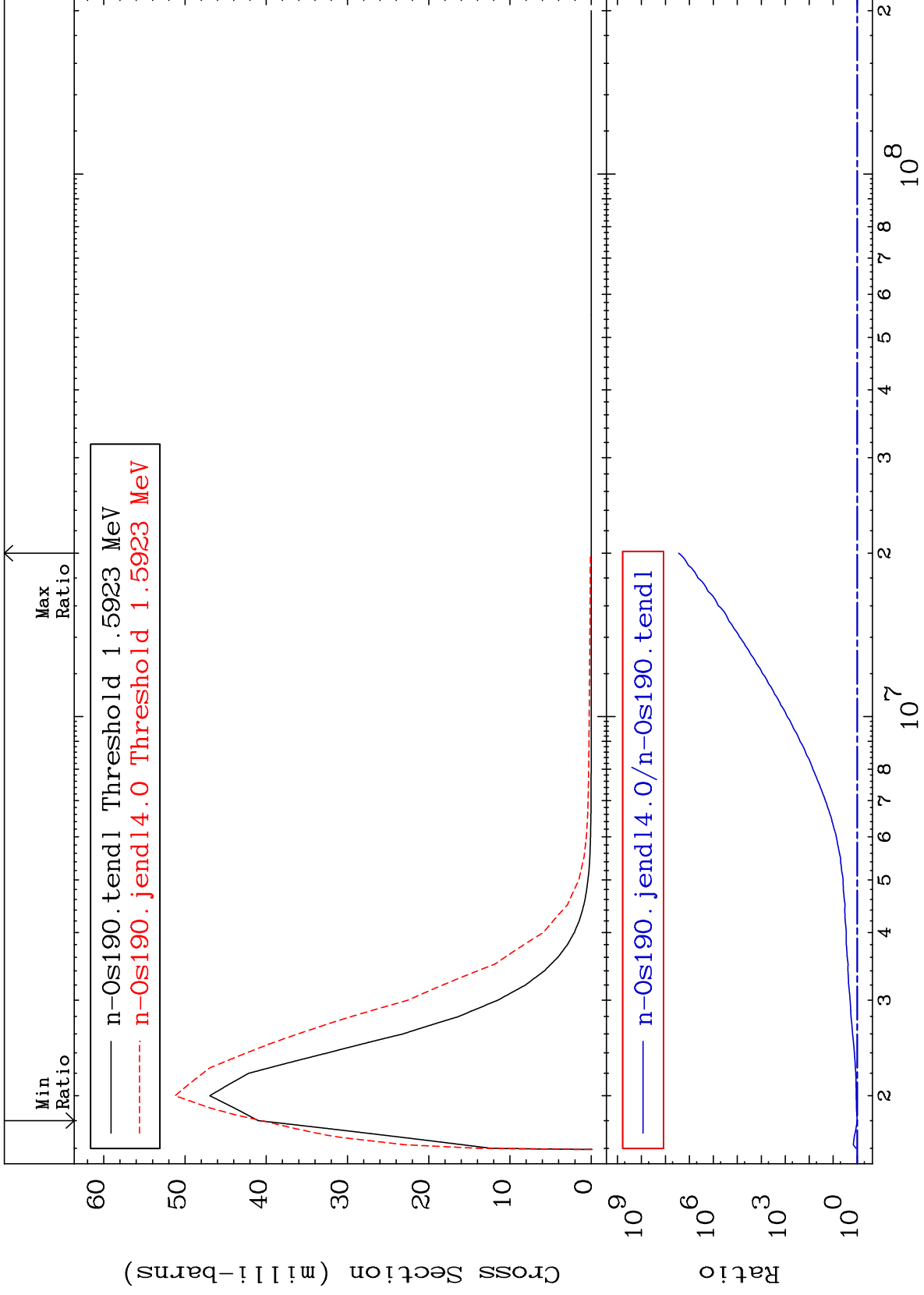
76-0s-190  
-96.45 To 191.4 %



MAT 7643

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

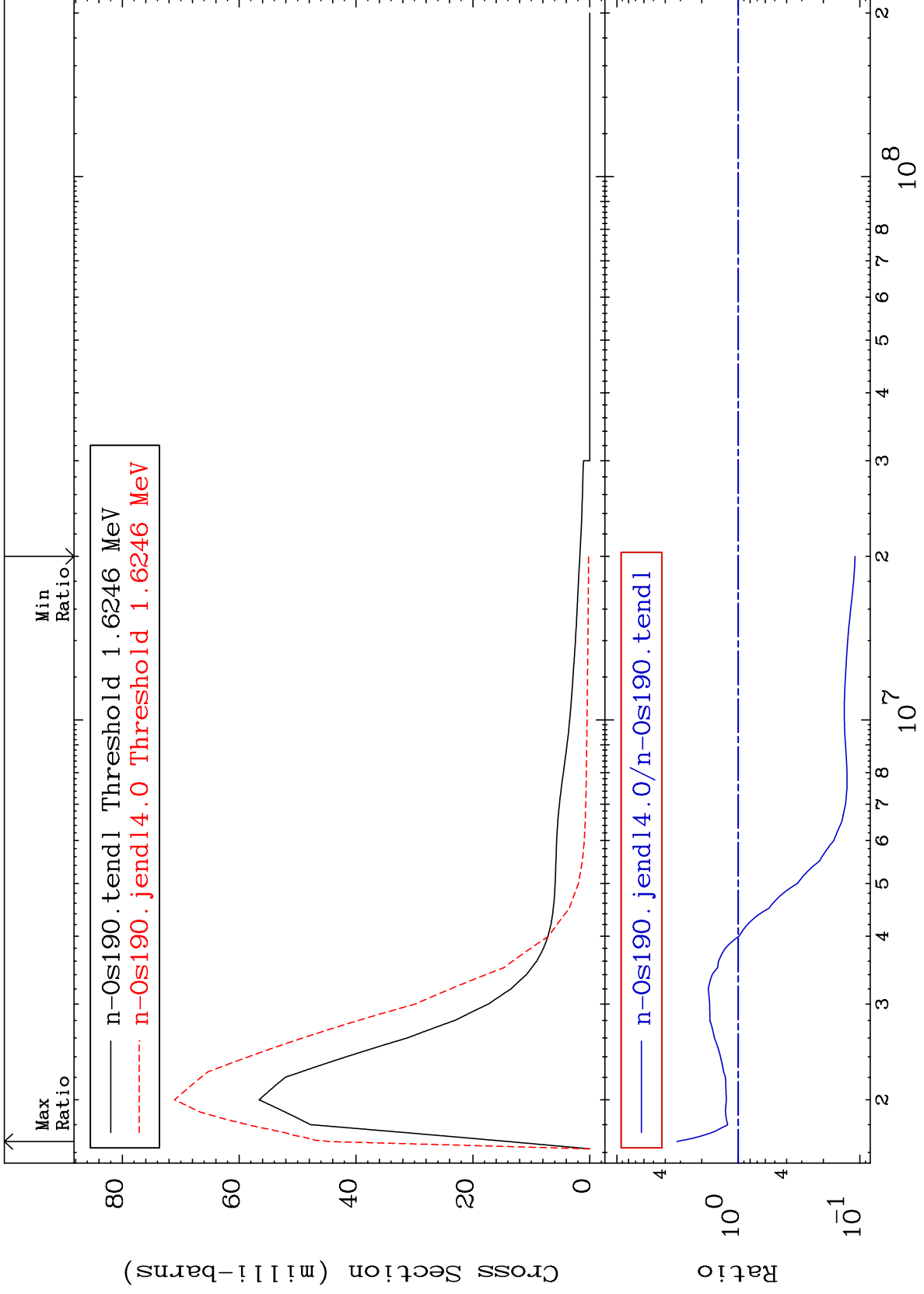
76-0s-190  
-0.972 To 9999. %



MAT 7643

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

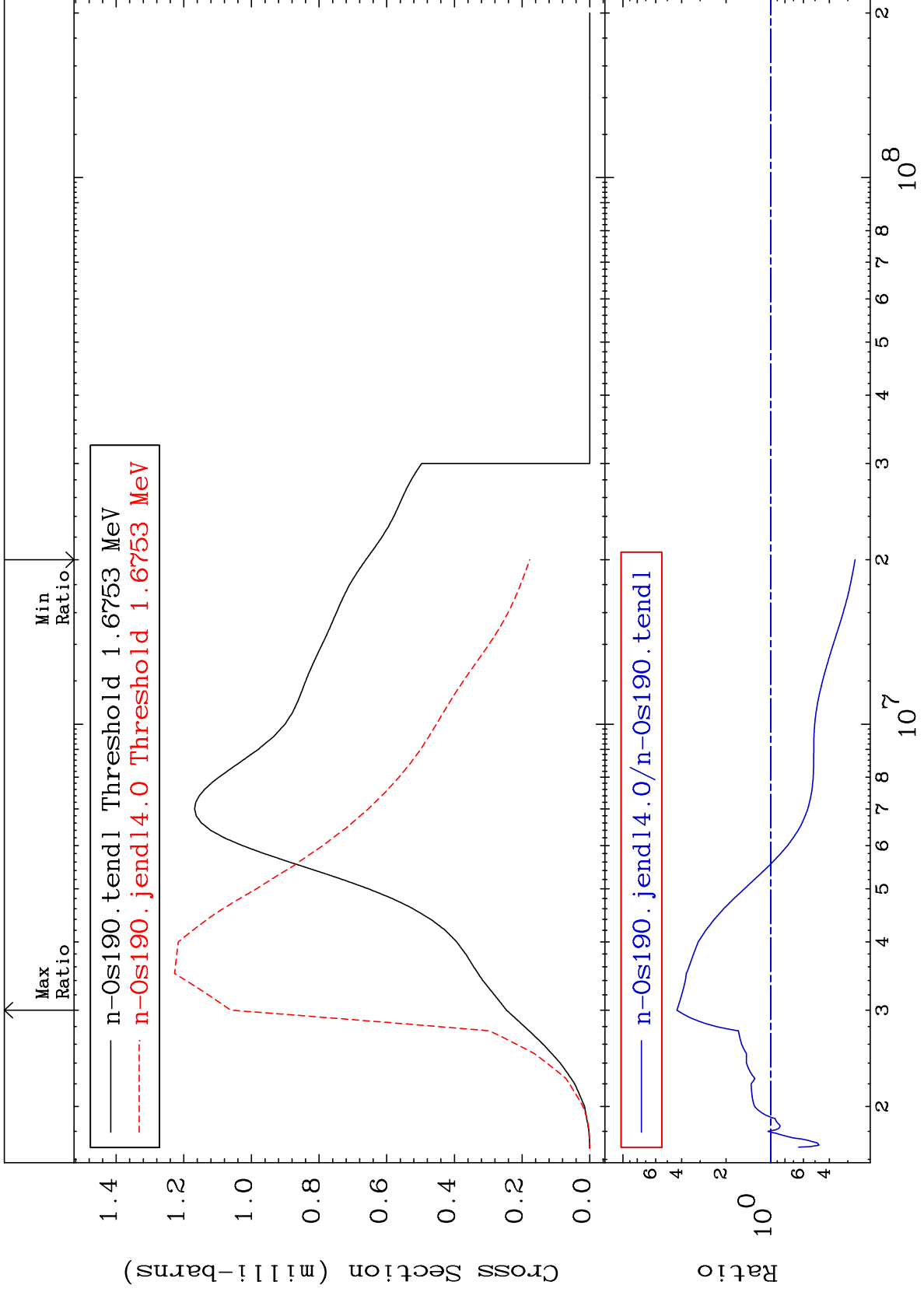
76-0s-190  
-89.06 To 220.2 %



MAT 7643

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

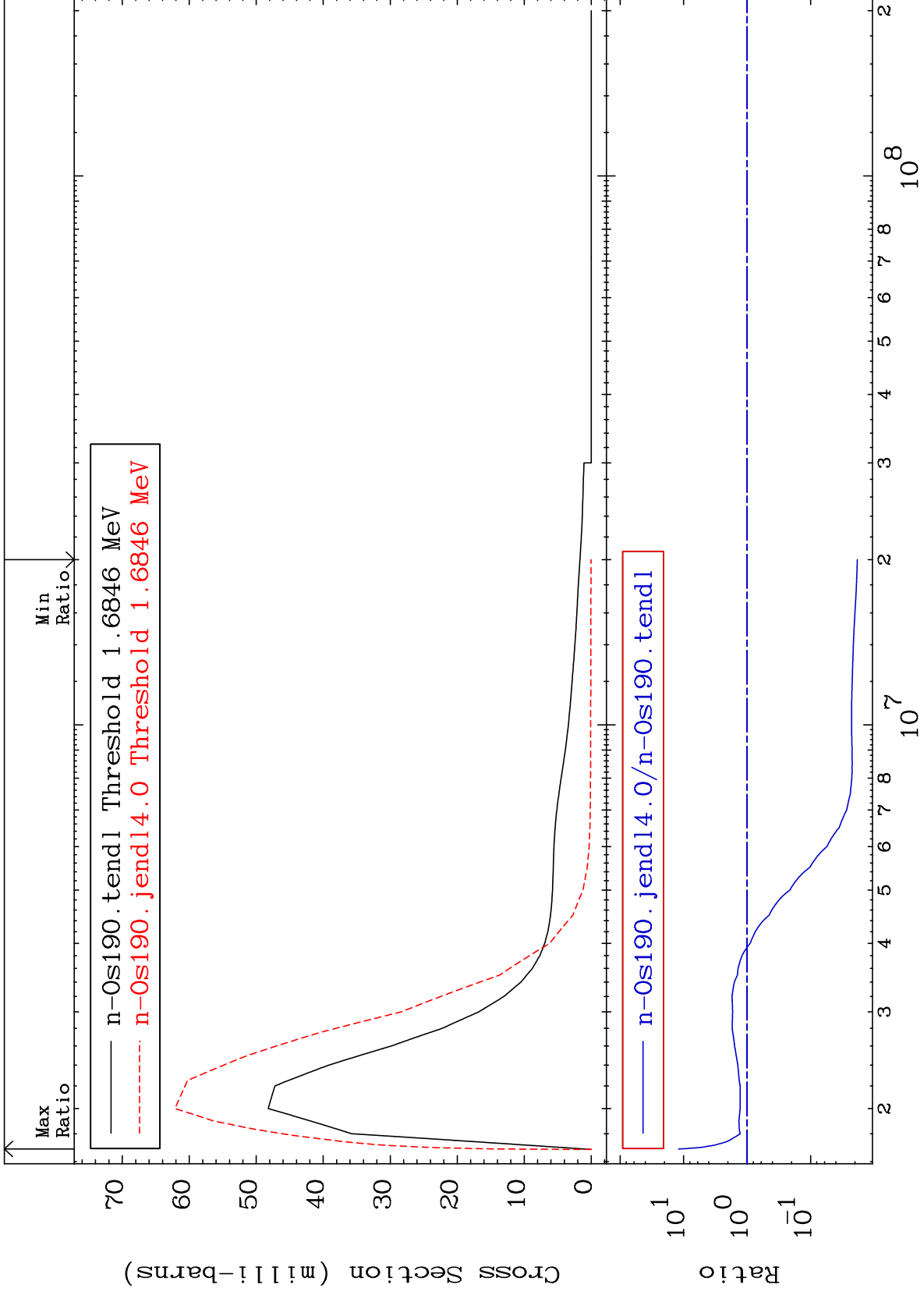
76-0s-190  
-73.23 To 330.8 %



MAT 7643

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

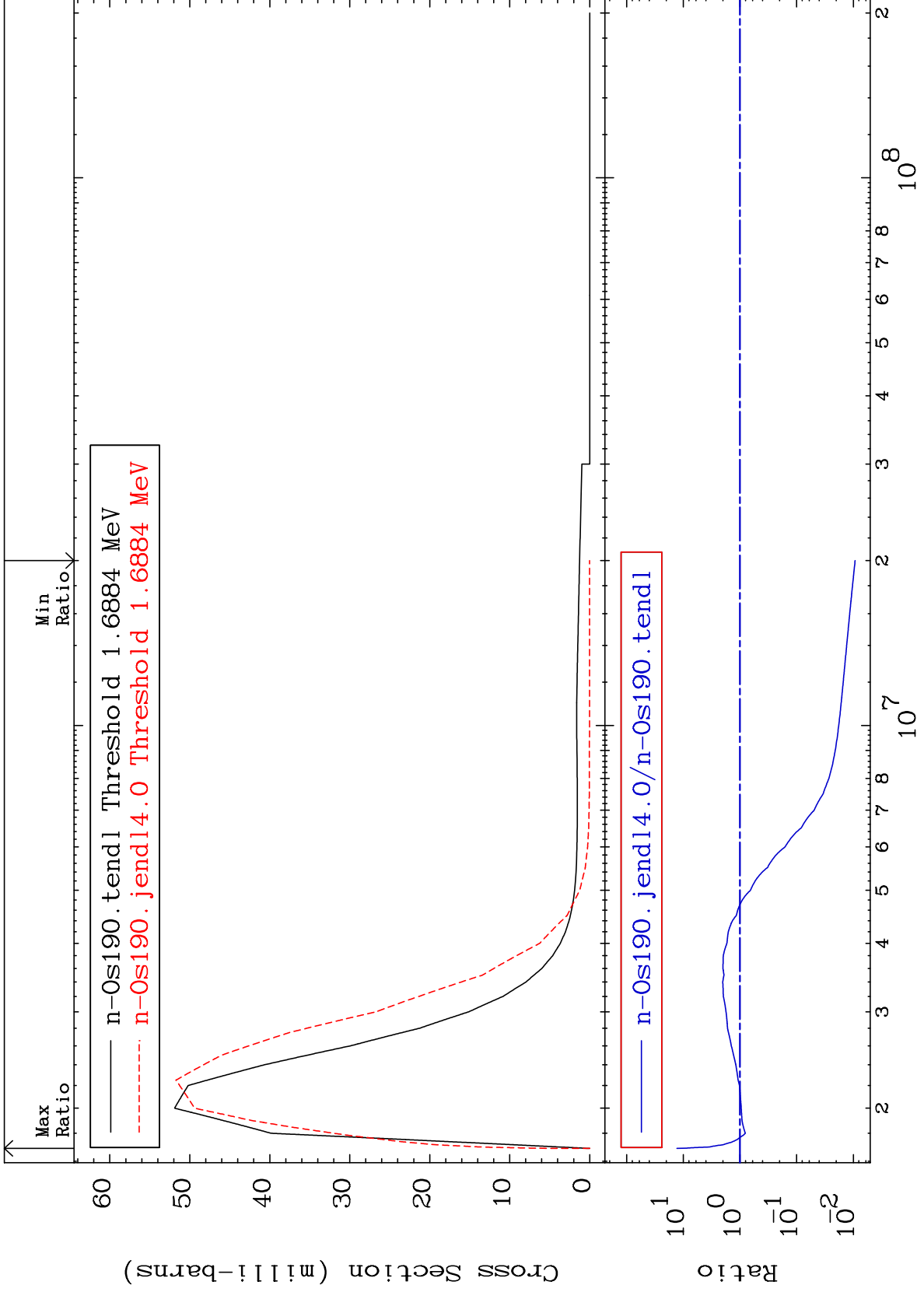
76-0s-190  
-98.16 To 1096. %



MAT 7643

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

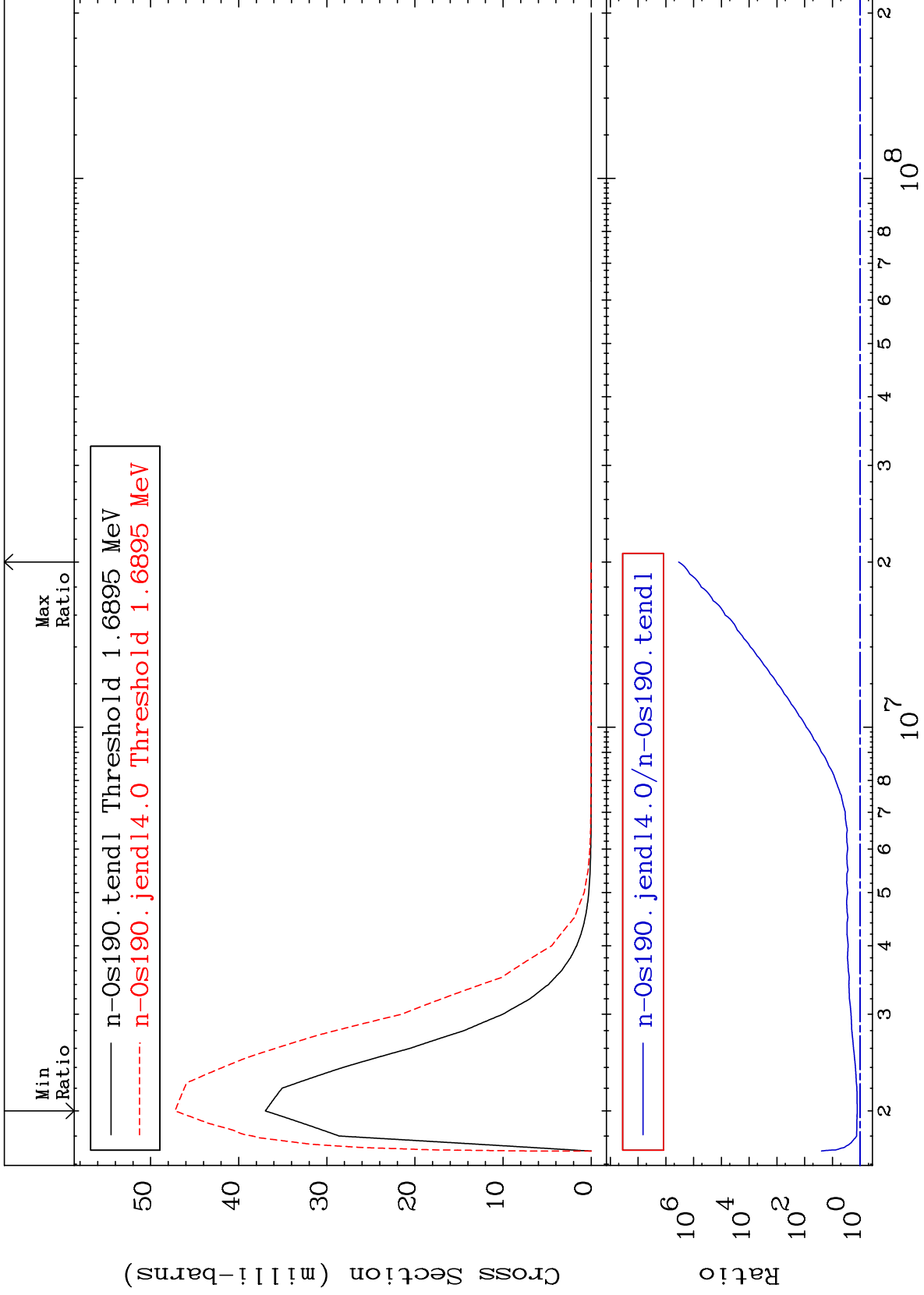
76-0s-190  
-99.07 To 1199. %



MAT 7643

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

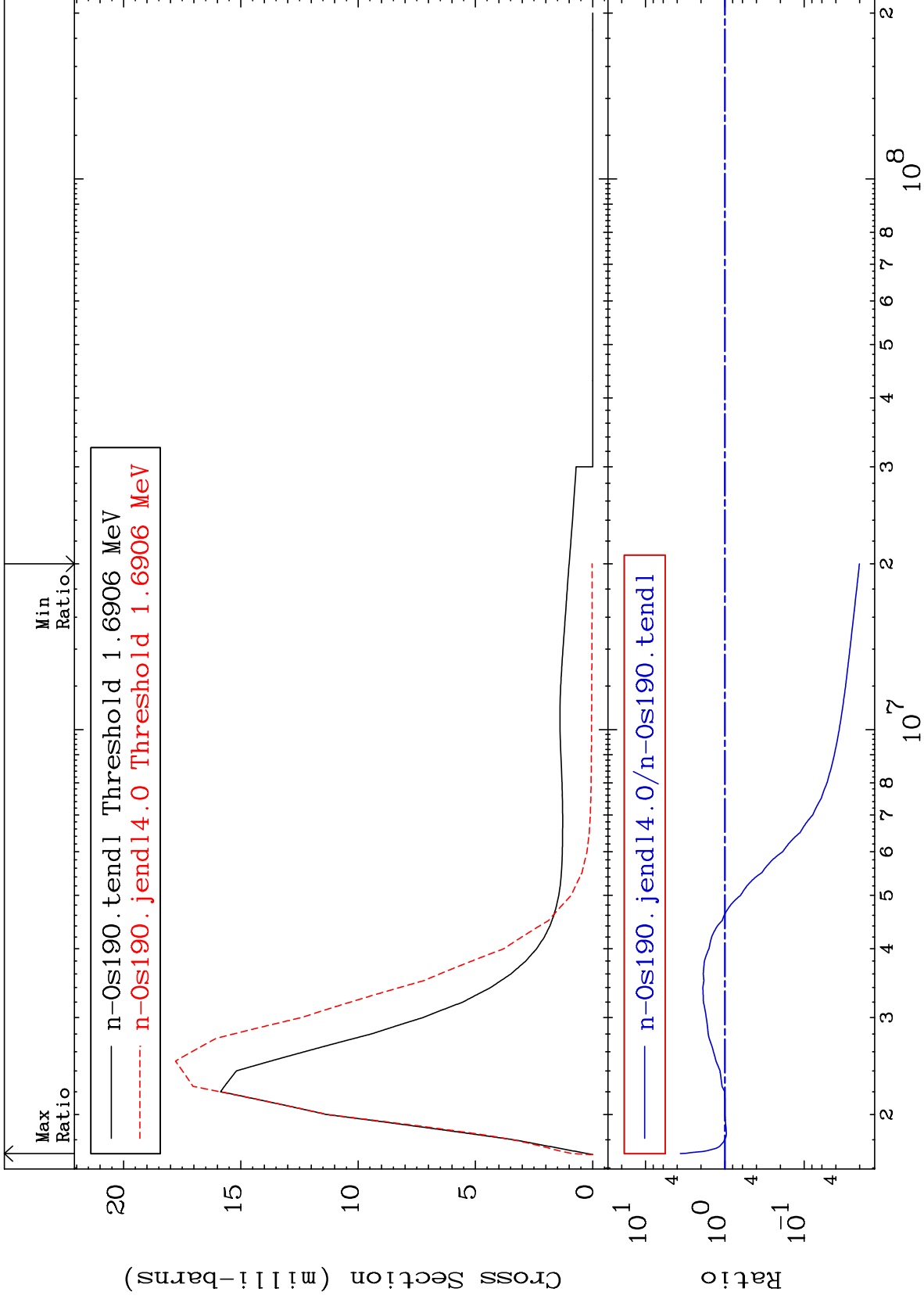
76-0s-190  
27.73 To 9999. %



MAT 7643

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

76-0s-190  
-97.98 To 263.8 %



40

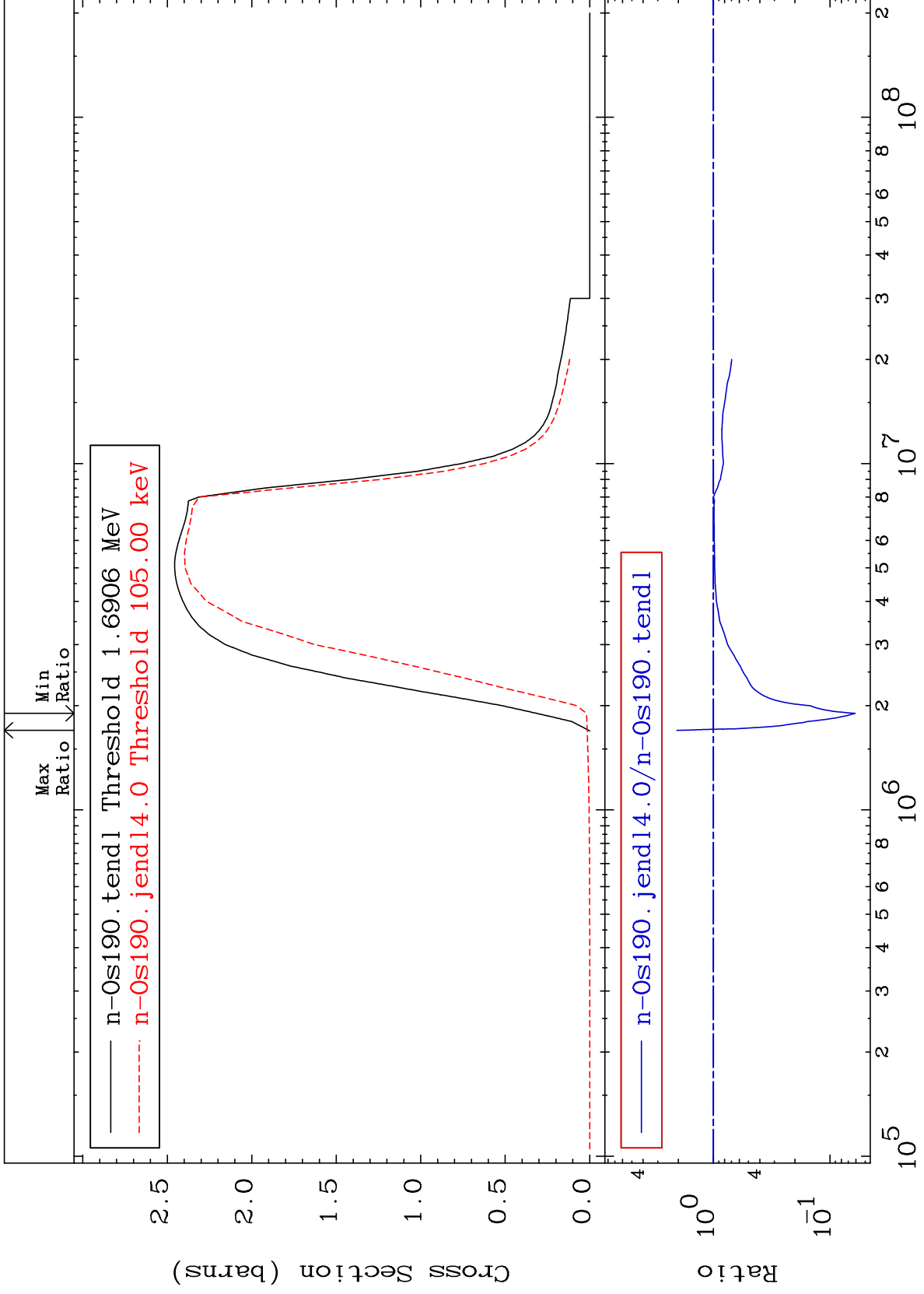
Incident Energy (eV)

76-0s-190

MAT 7643

(n, n') Continuum  
Cross Section

76-0s-190  
-93.89 To 105.3 %



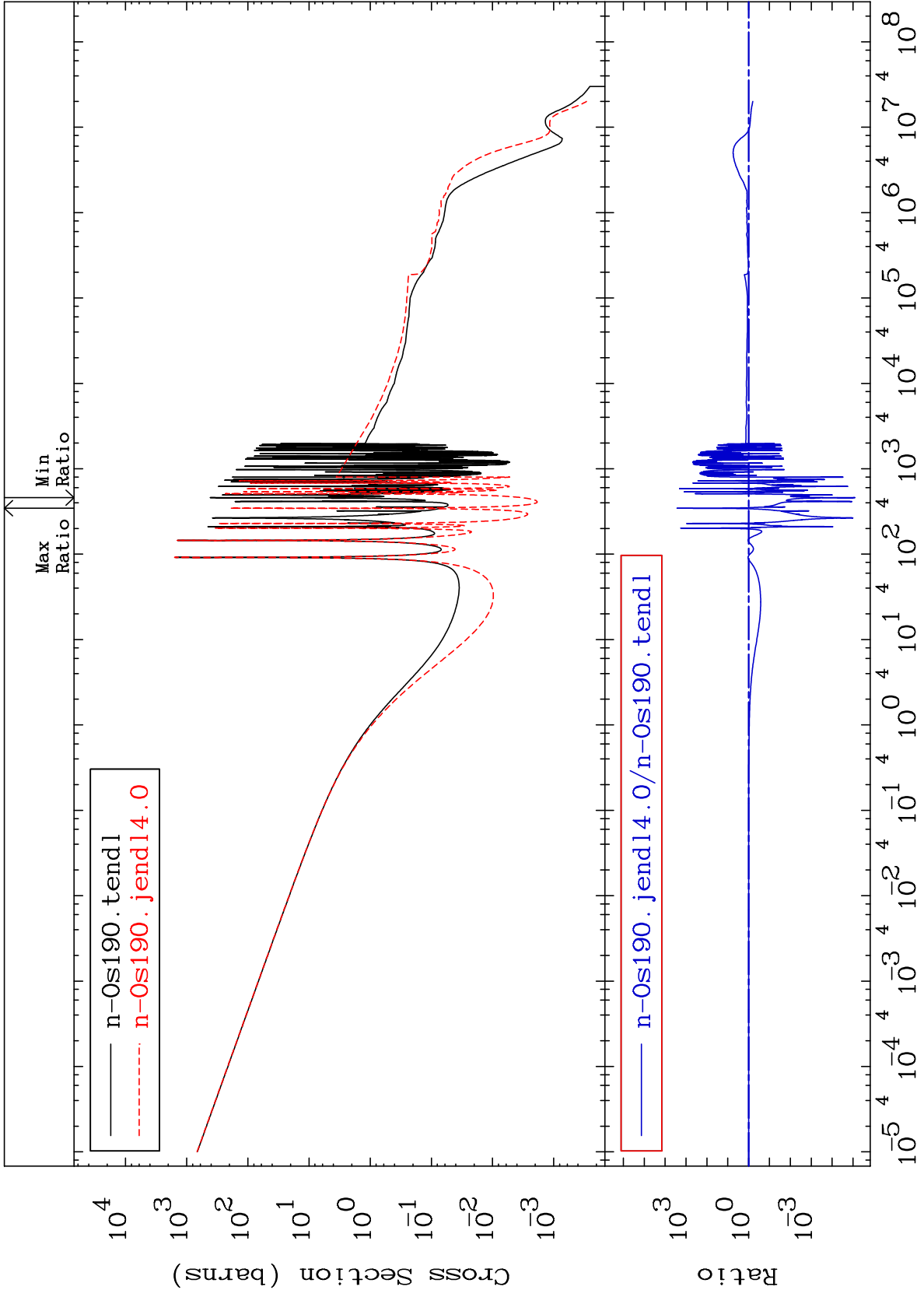
41

Incident Energy (eV)

76-0s-190

MAT 7643

(n,  $\gamma$ )  
Cross Section  
76-0s-190  
-100.0 To 9999. %



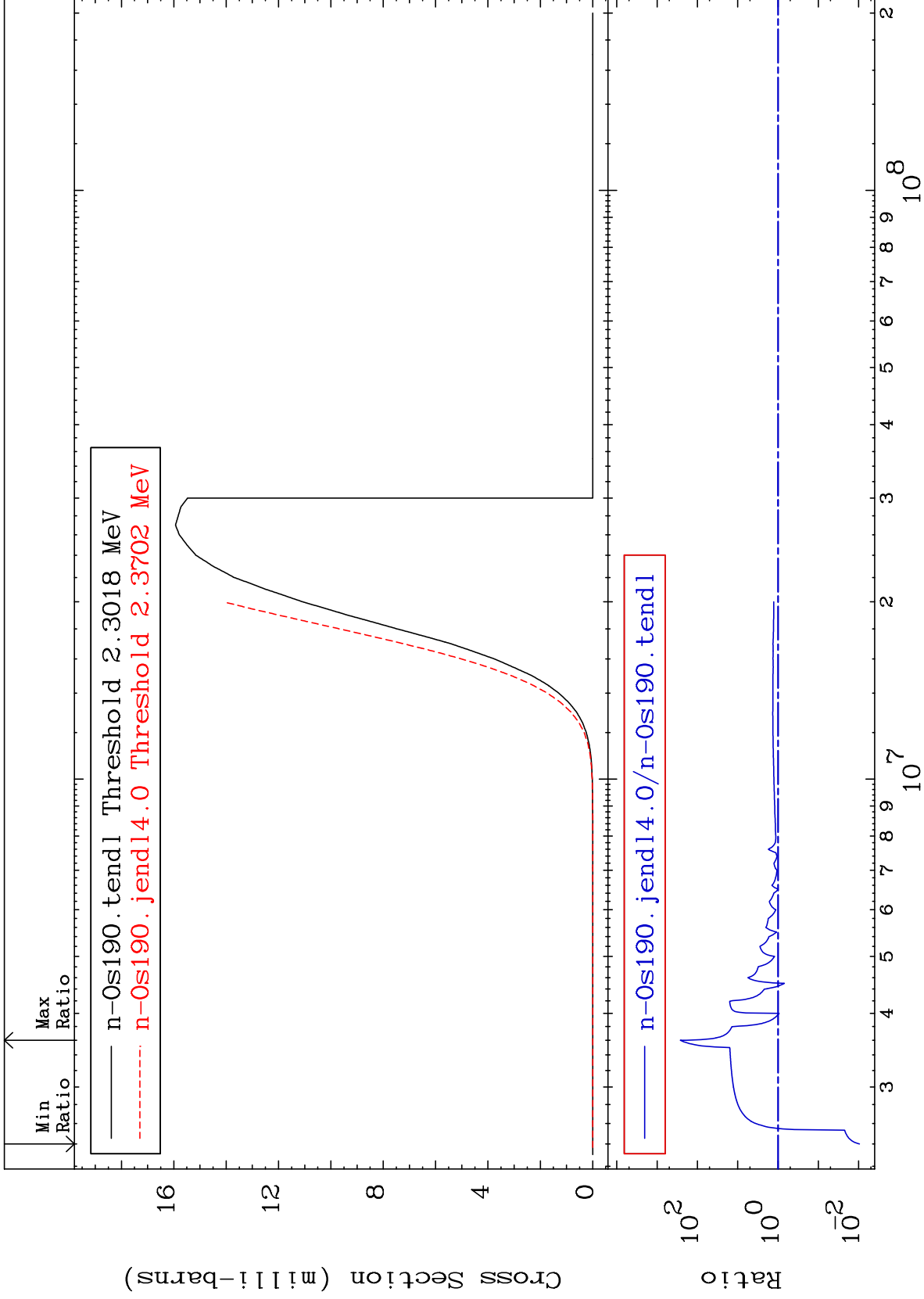
MAT 7643

(n,p)

76-0s-190

Cross Section

-99.04 To 9999. %



43

Incident Energy (eV)

76-0s-190

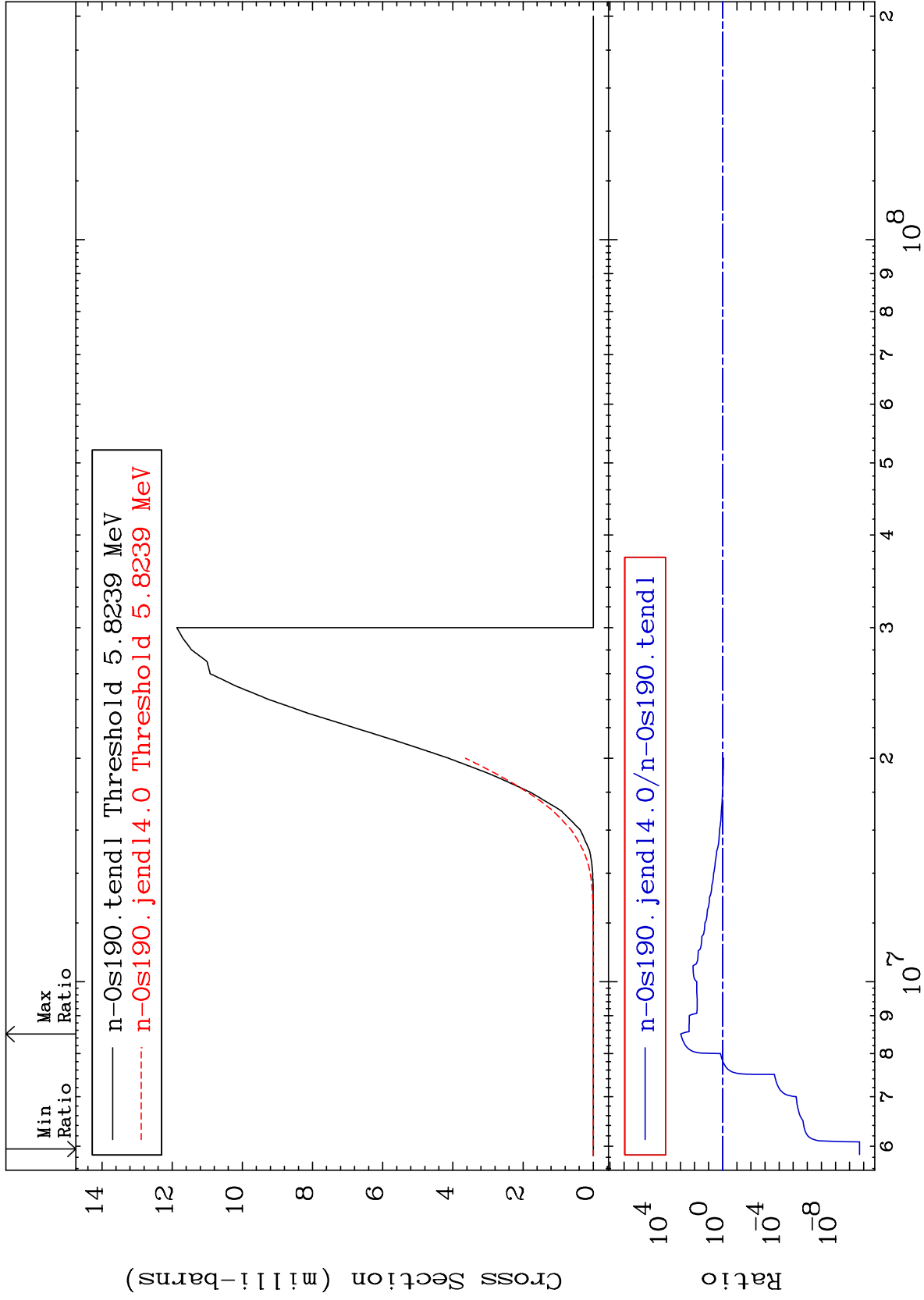
MAT 7643

(n, d)

76-0s-190

Cross Section

-100.0 To 9999. %



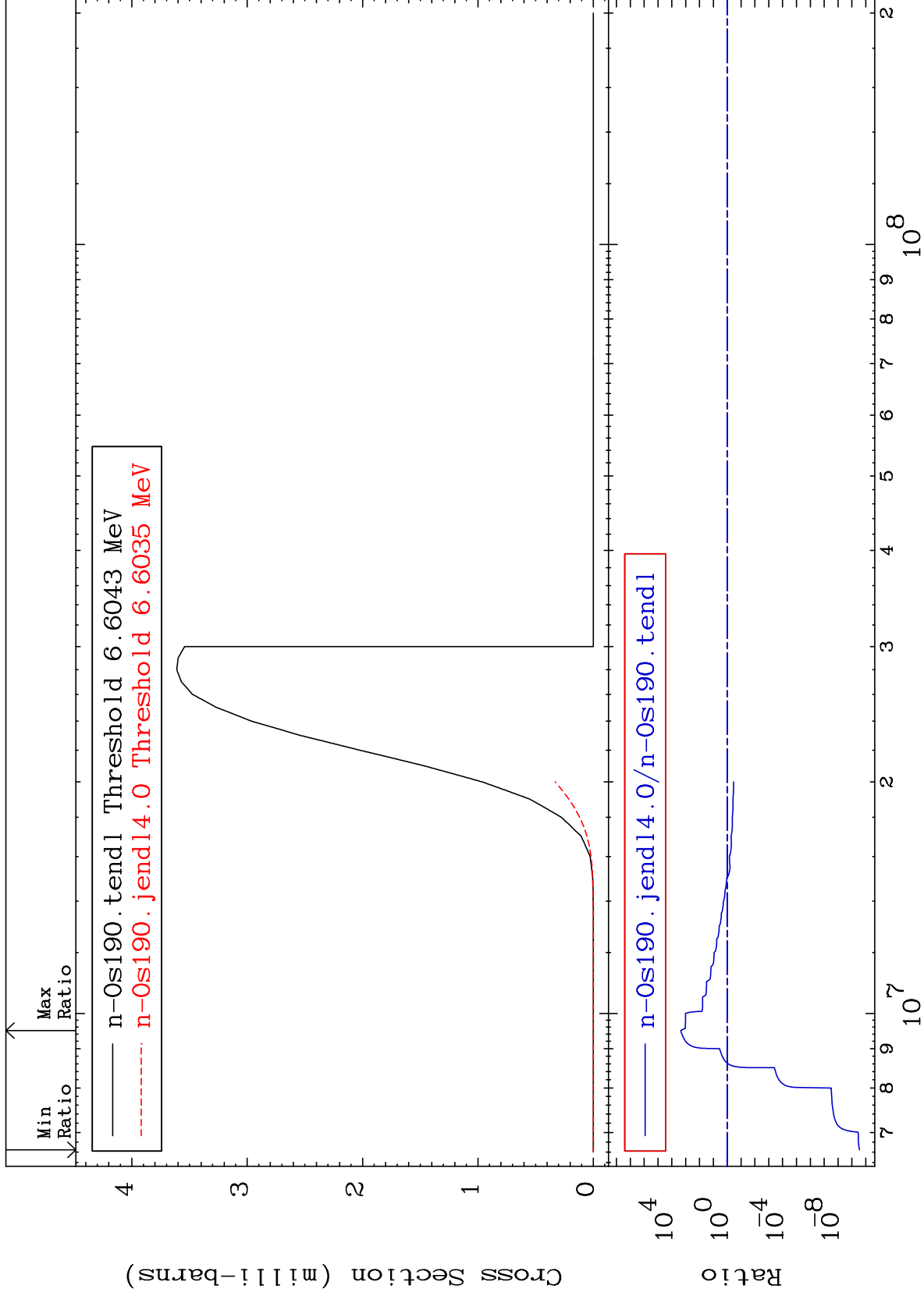
MAT 7643

(n, t)

76-0s-190

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

76-0s-190

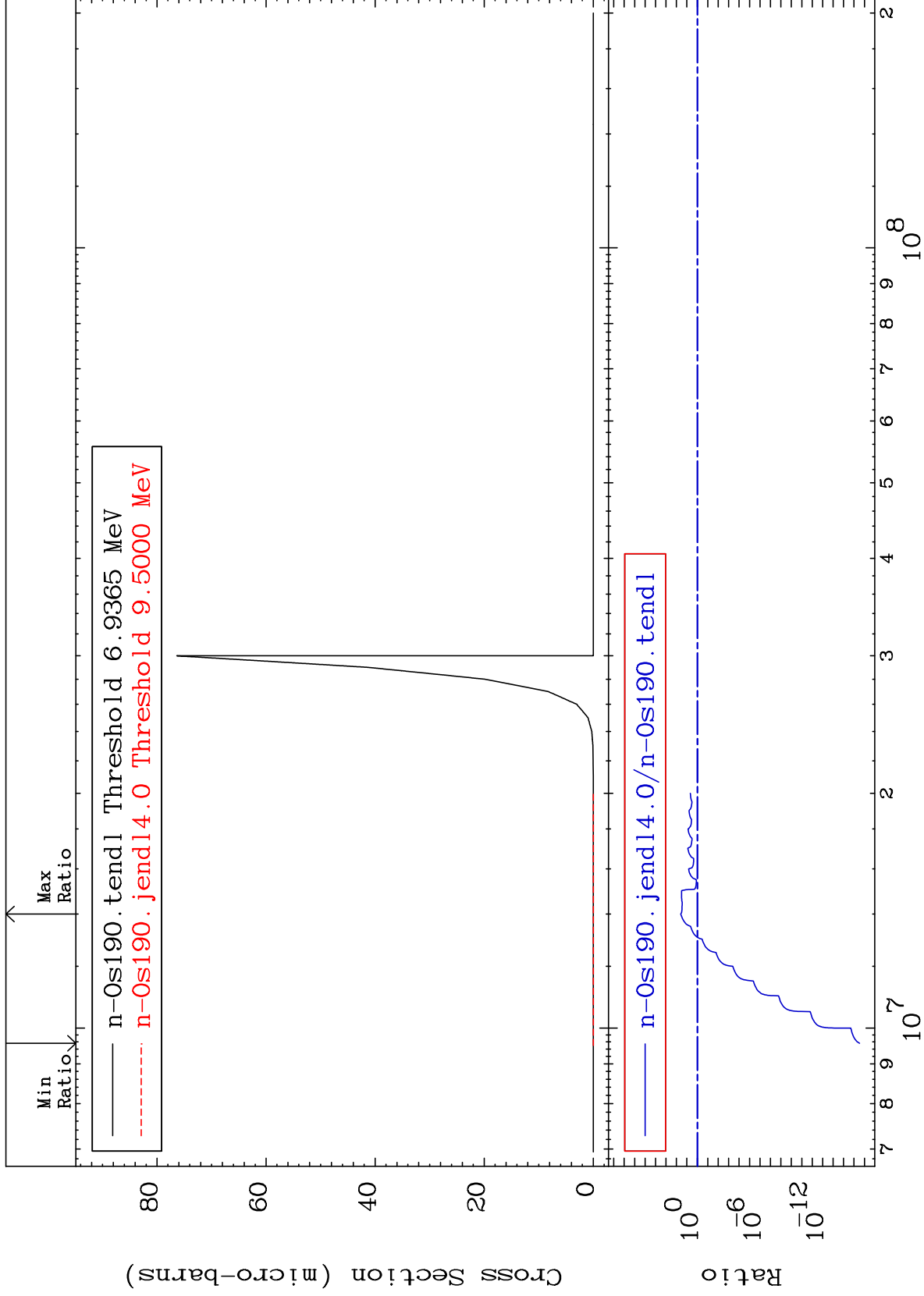
MAT 7643

(n, He-3)

76-0s-190

Cross Section

-100.0 To 3726. %



46

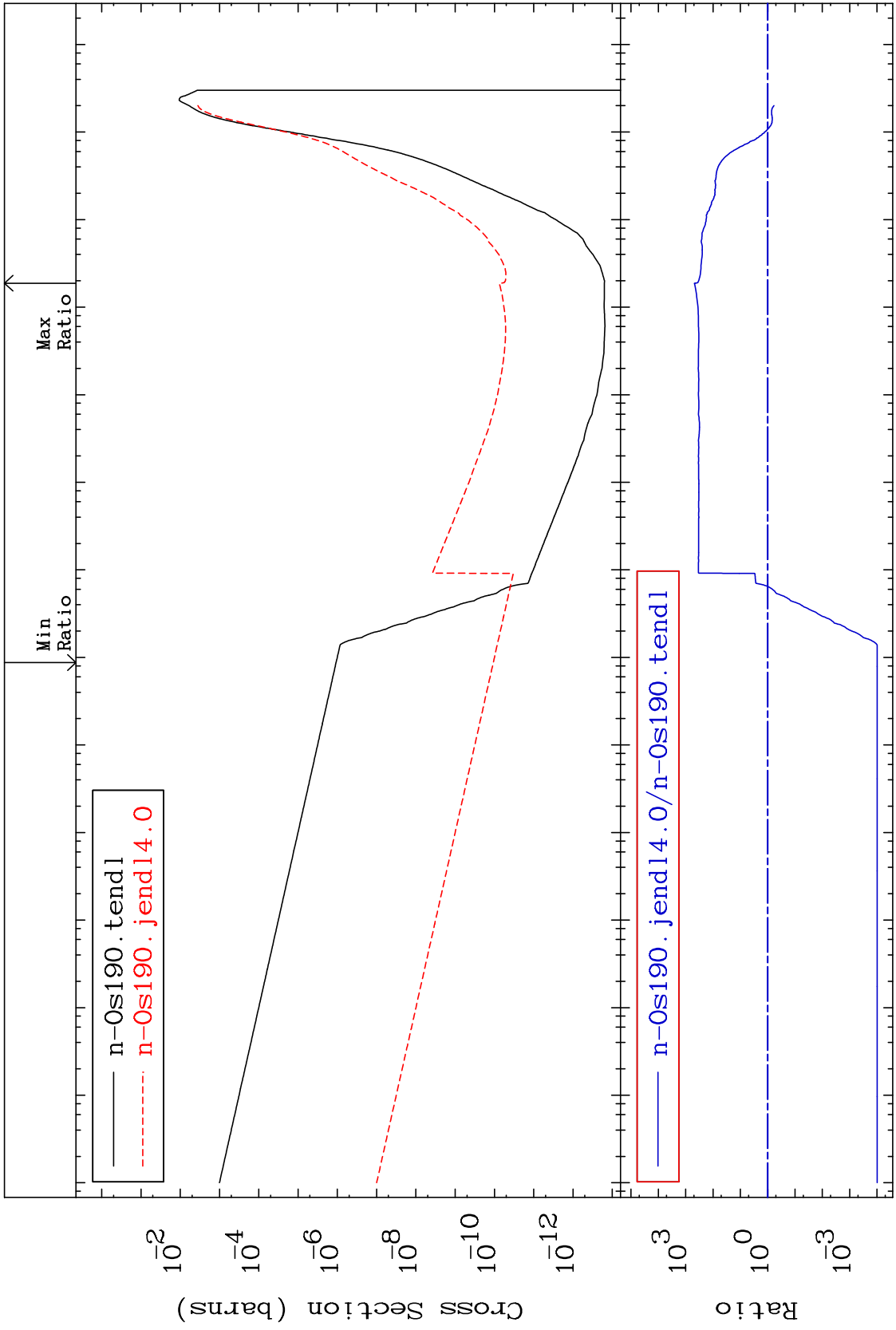
Incident Energy (eV)

76-0s-190

MAT 7643

(n,  $\alpha$ )  
Cross Section

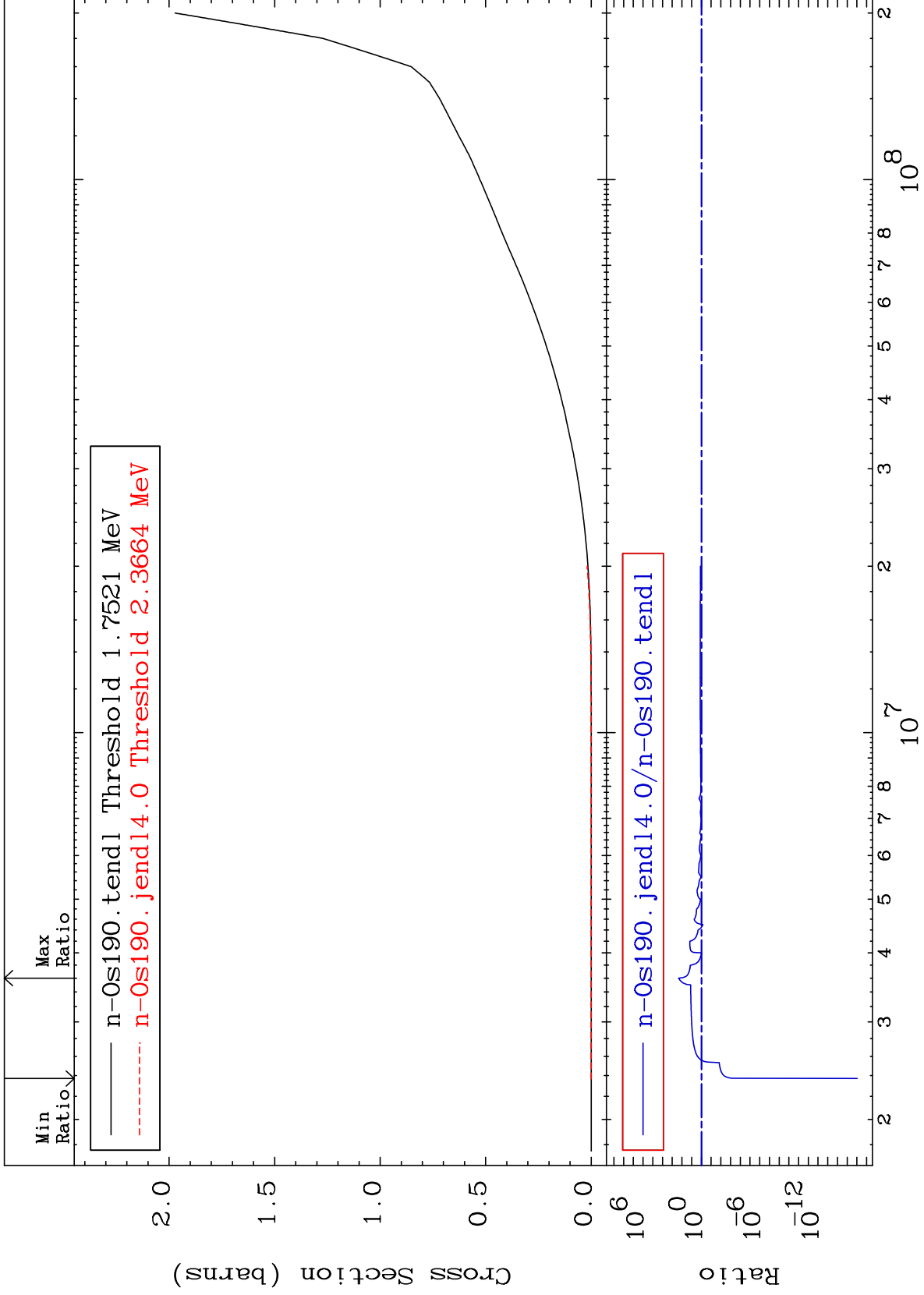
76-0s-190  
-99.99 To 9999. %



MAT 7643

### Hydrogen Production Cross Section

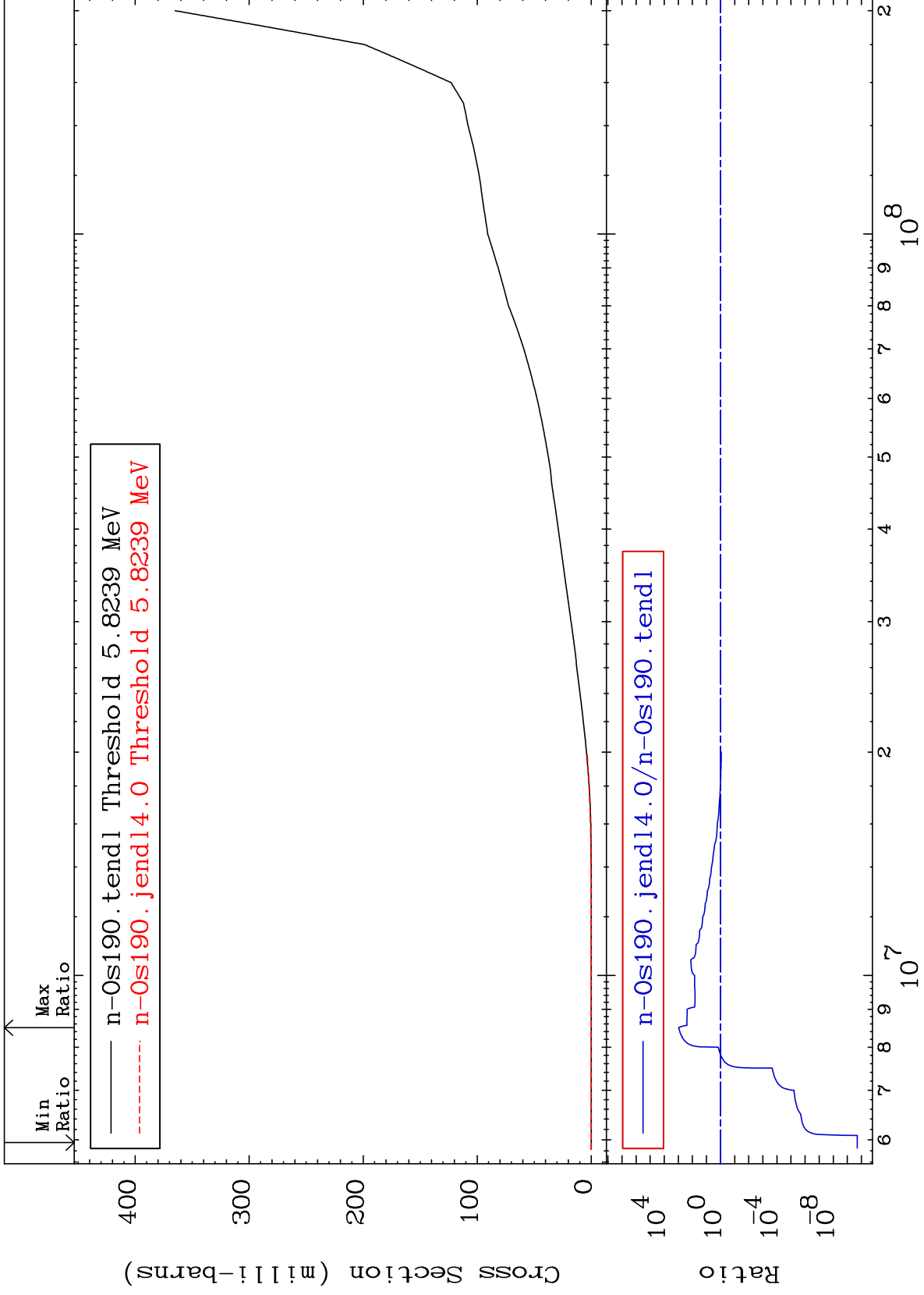
76-0s-190  
-100.0 To 9999. %



MAT 7643

Deuterium Production  
Cross Section

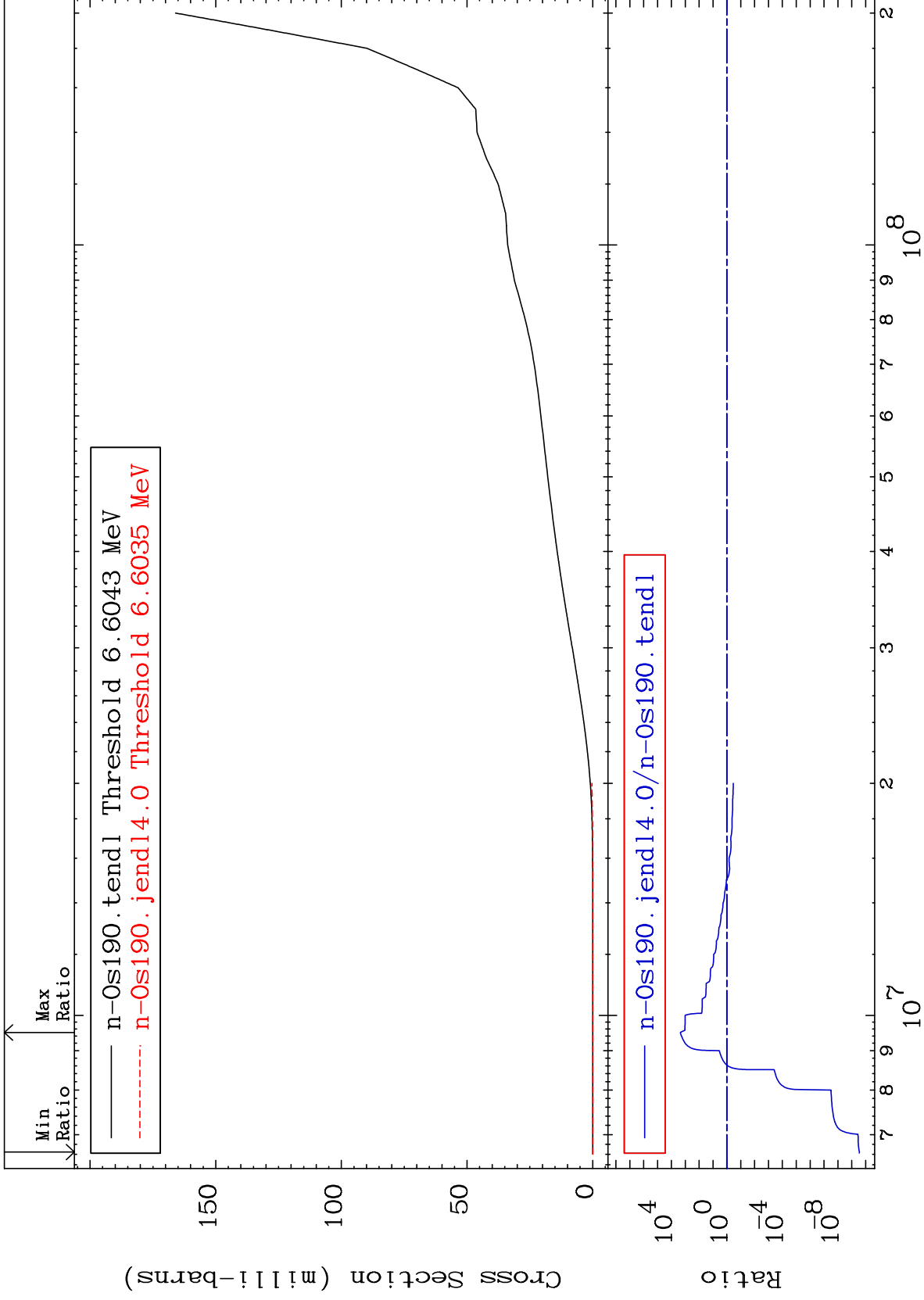
76-0s-190  
-100.0 To 9999. %



MAT 7643

### Tritium Production Cross Section

76-0s-190  
-100.0 To 9999. %



50

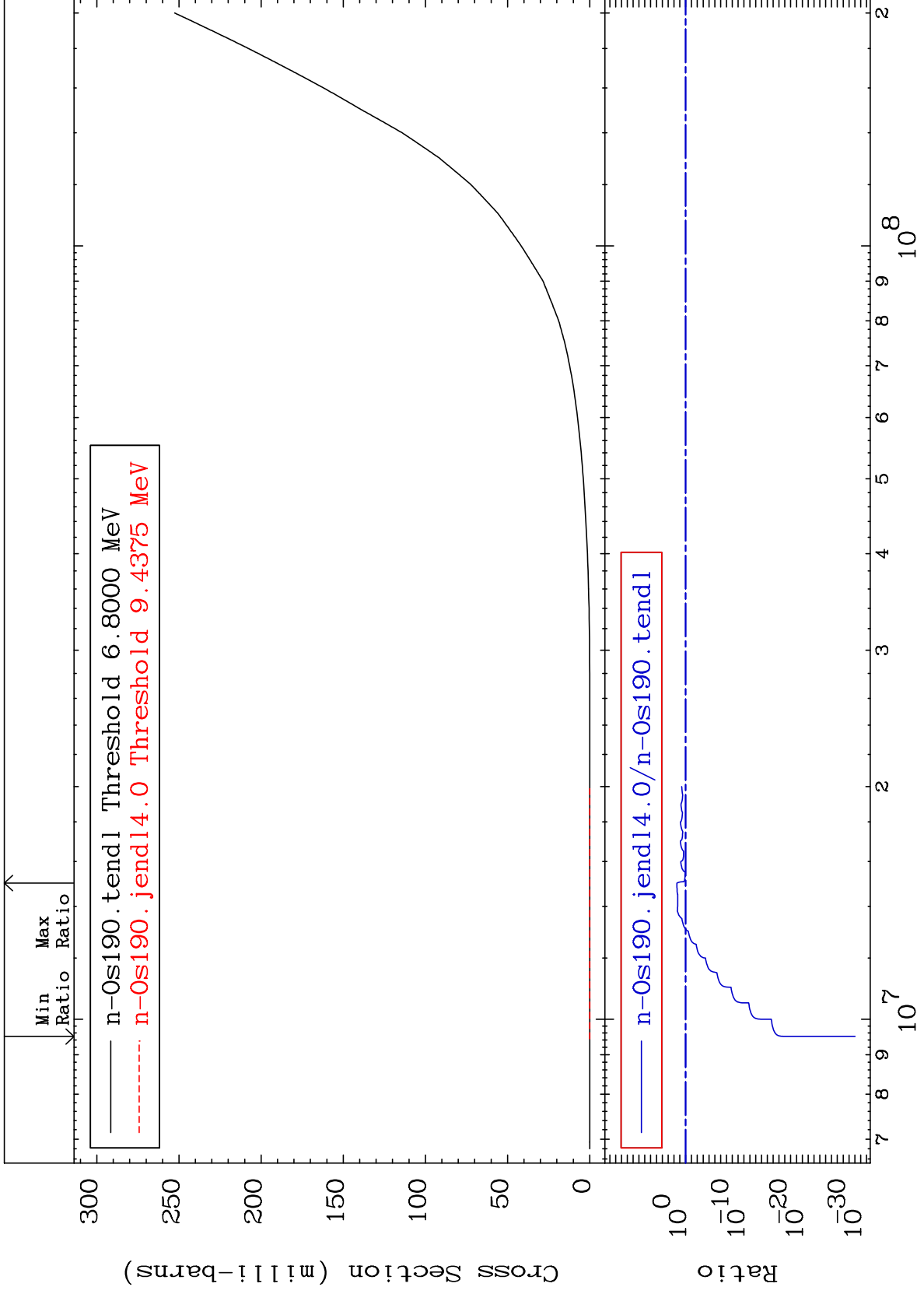
Incident Energy (eV)

76-0s-190

MAT 7643

He-3 Production  
Cross Section

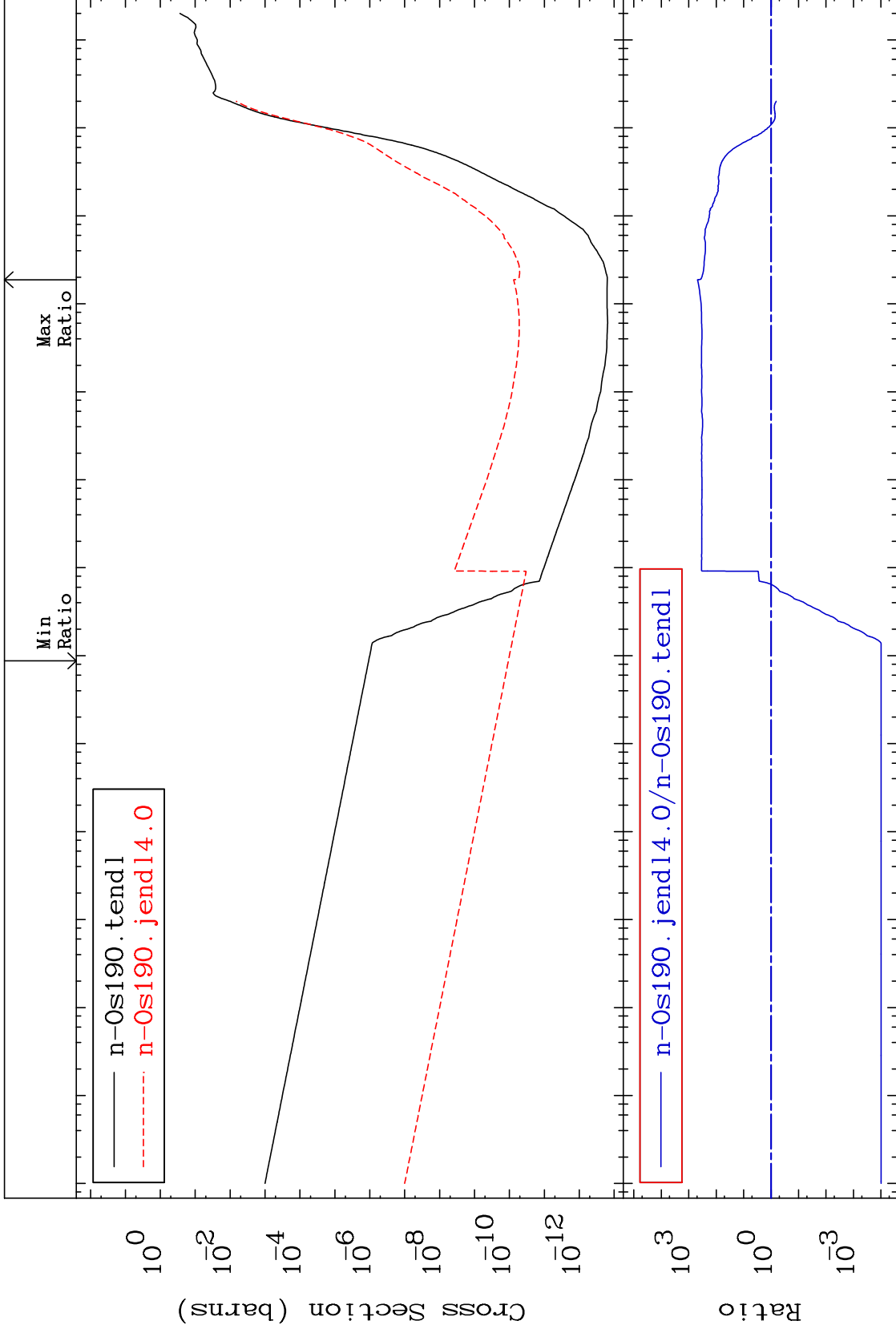
76-0s-190  
-100.0 To 3004. %



MAT 7643

He-4 Production  
Cross Section

76-0s-190  
-99.99 To 9999. %



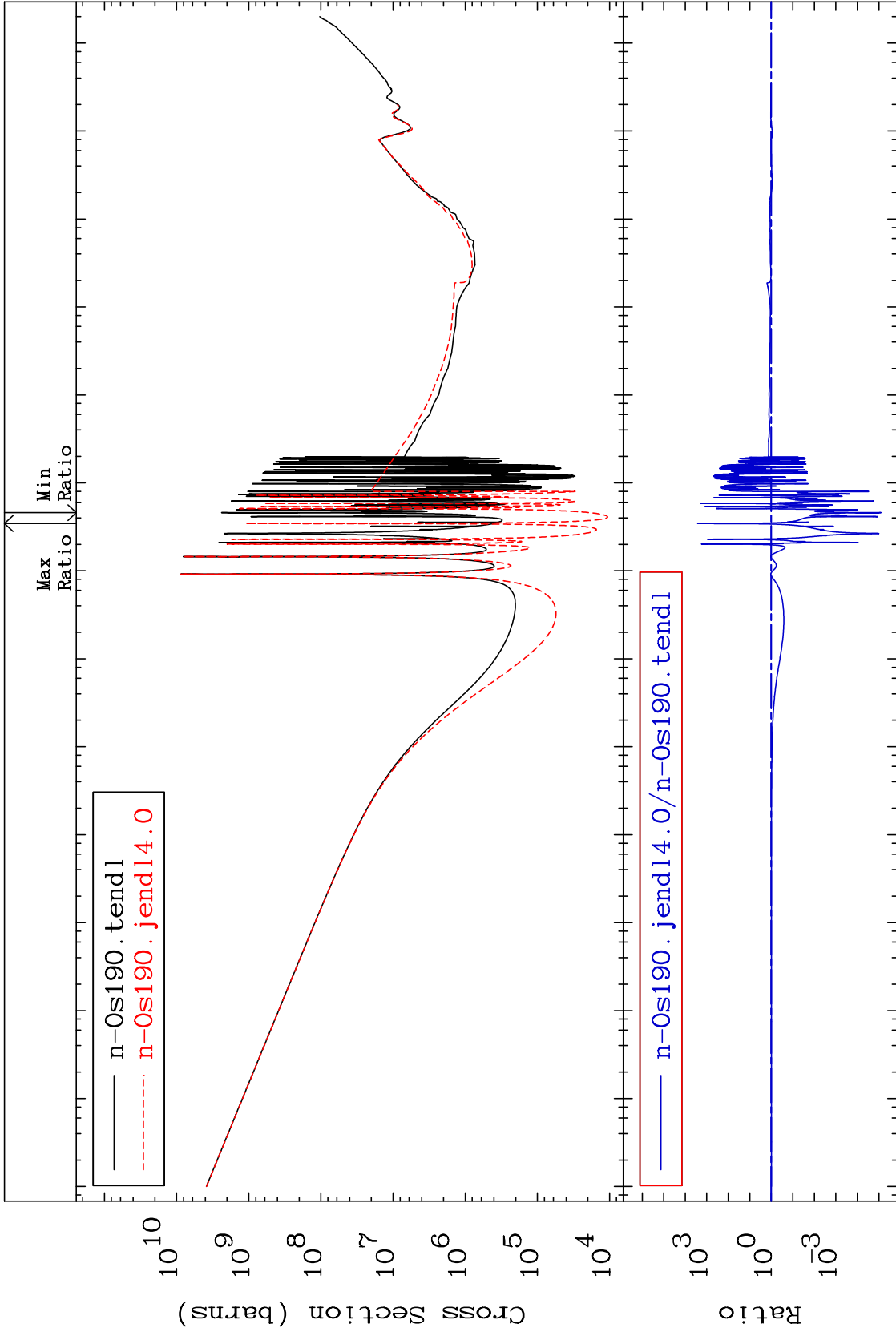
MAT 7643

Kerma total (eV-barns)

76-0s-190

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

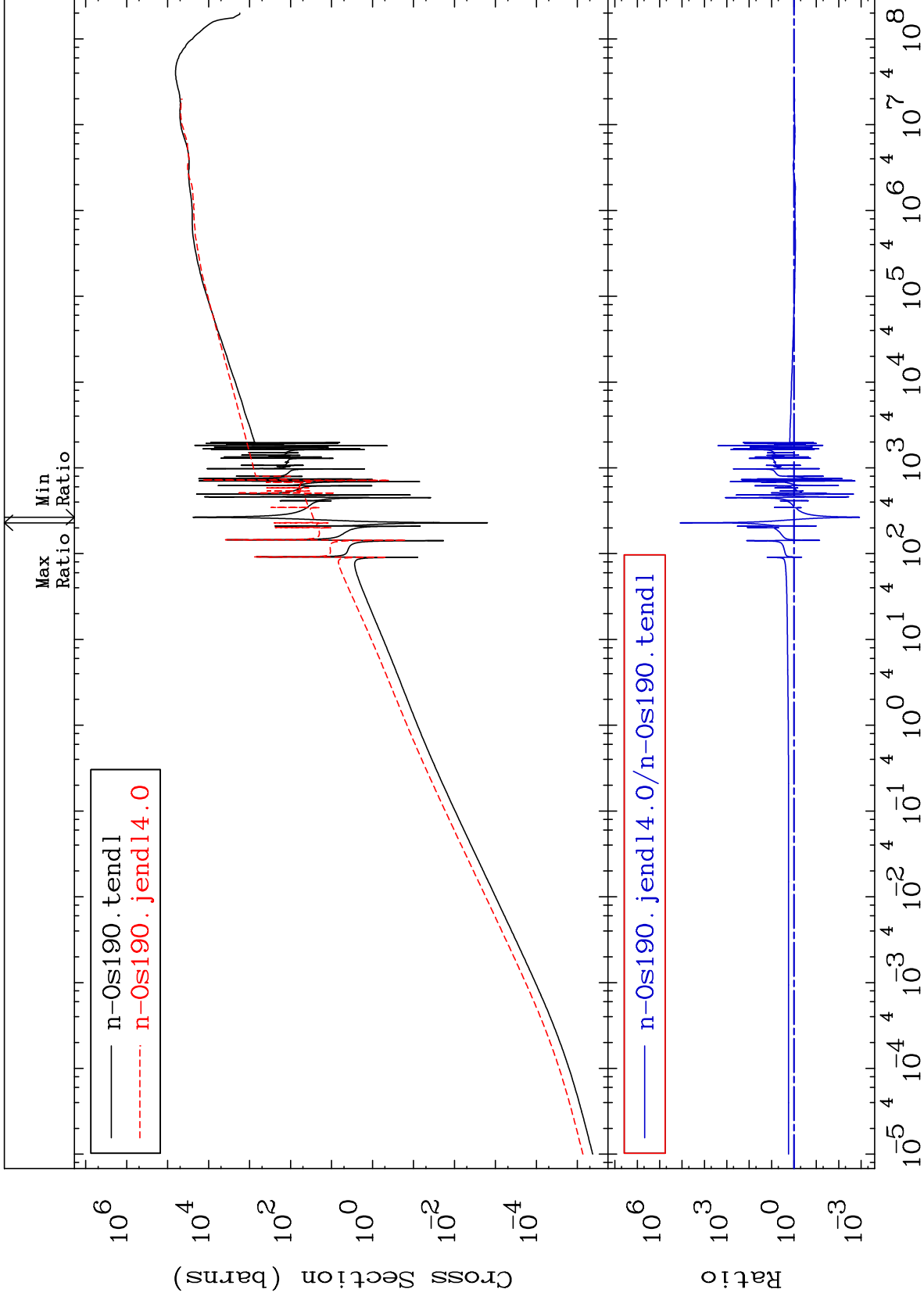
76-0s-190

53

MAT 7643

Kerma elastic  
Cross Section

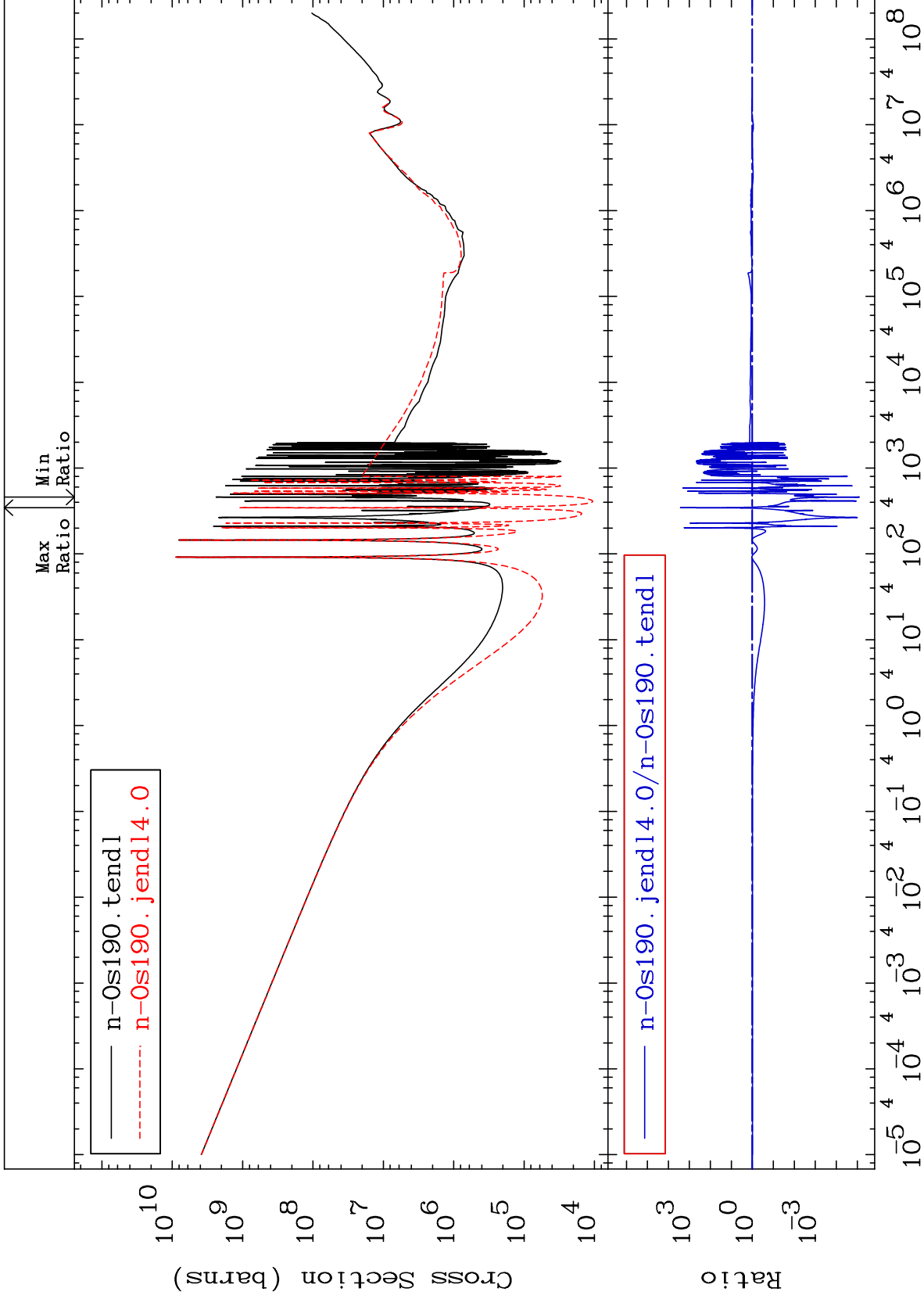
76-0s-190  
-99.88 To 9999. %



MAT 7643

Kerma non-elastic (all but mt2)  
Cross Section

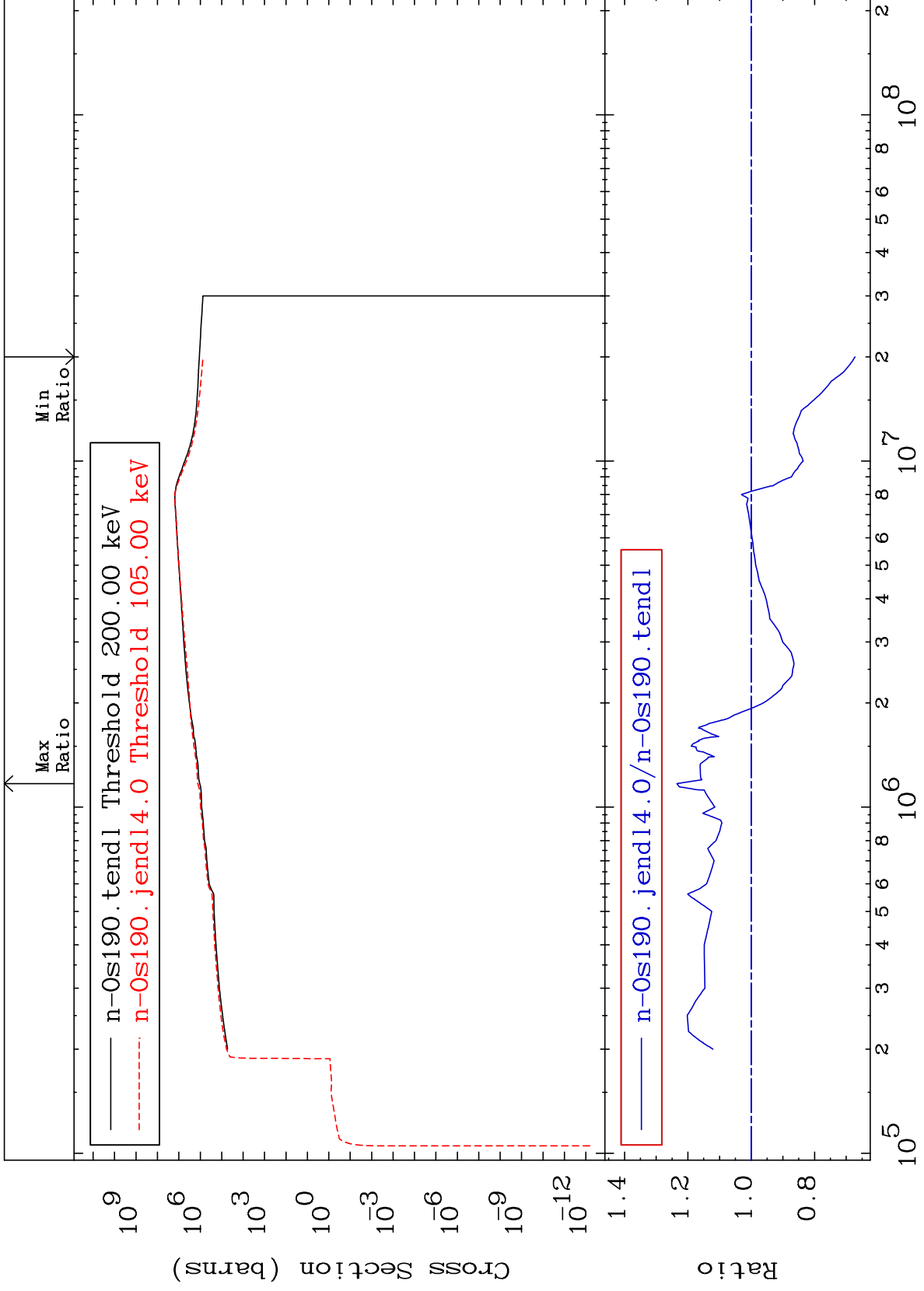
76-0s-190  
-100.0 To 9999. %



MAT 7643

Kerma inelastic (mt51-91)  
Cross Section

76-0s-190  
-32.79 To 23.46 %



56

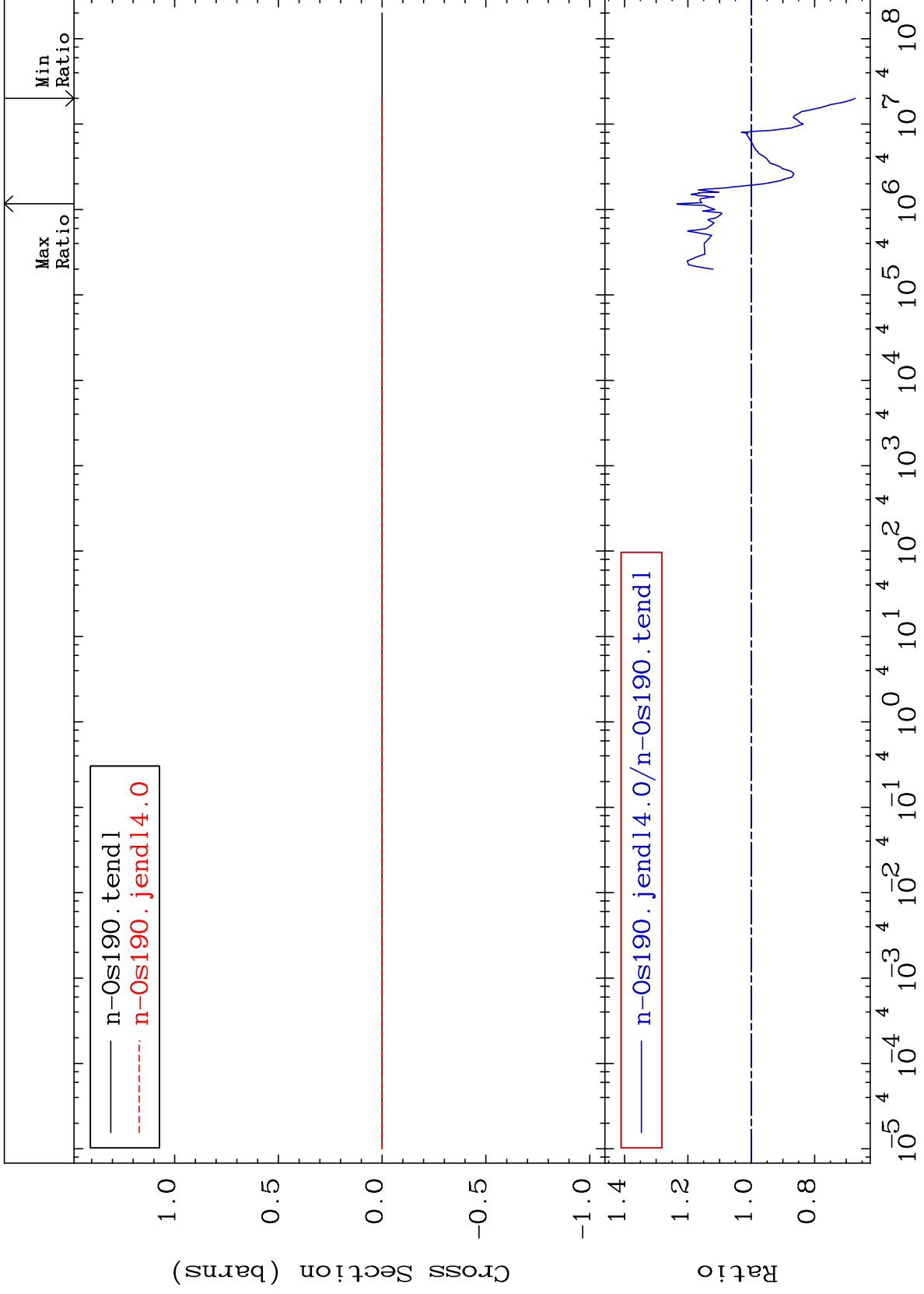
Incident Energy (eV)

76-0s-190

MAT 7643

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

76-0s-190  
-32.79 To 23.46 %



57

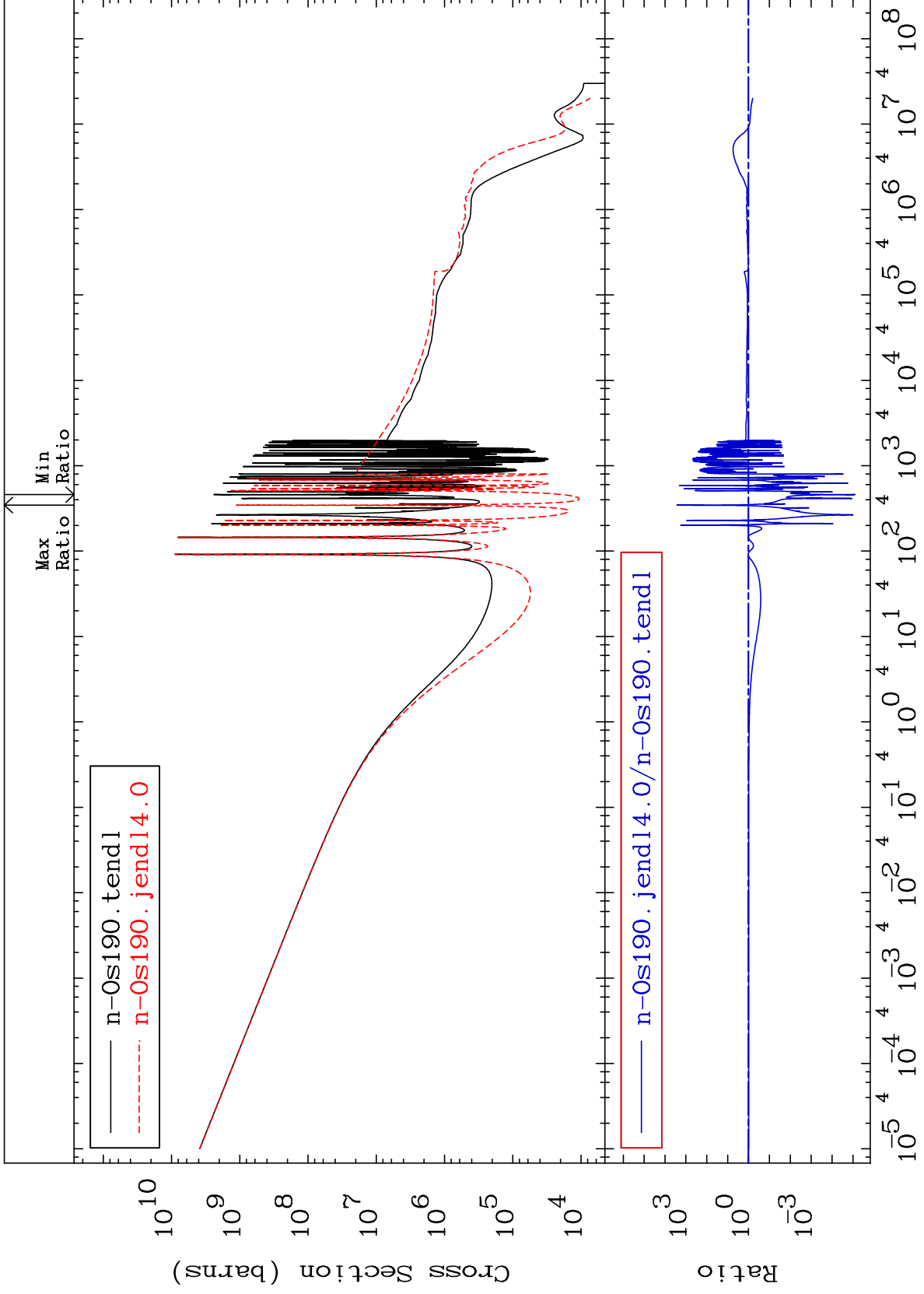
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma capture (mt102)  
Cross Section

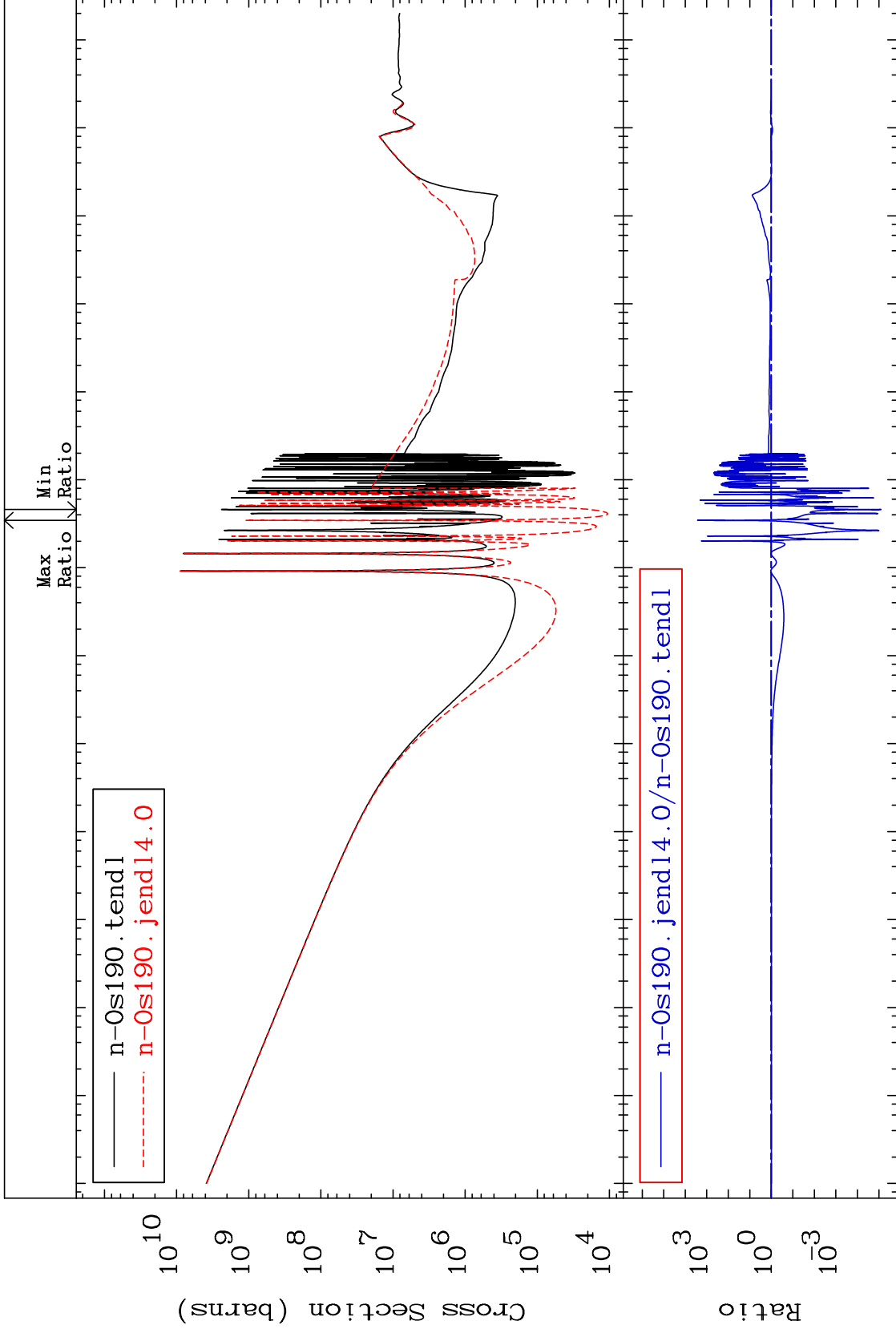
76-0s-190  
-100.0 To 9999. %



MAT 7643

Total photon (eV-barns)  
Cross Section

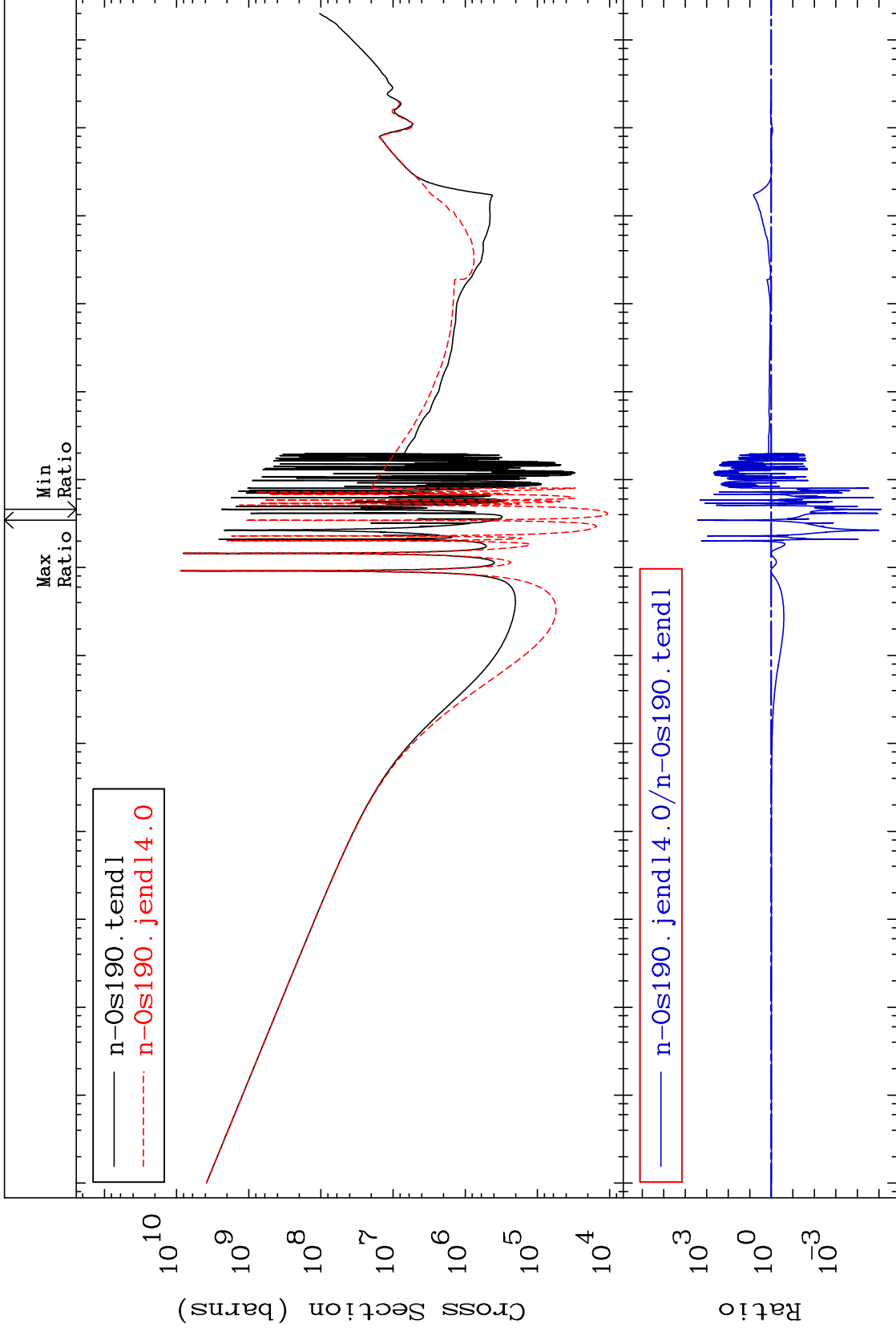
76-0s-190  
-100.0 To 9999. %



MAT 7643

Total kinematic kerma (high limit)  
Cross Section

76-0s-190  
-100.0 To 9999. %



Incident Energy (eV)

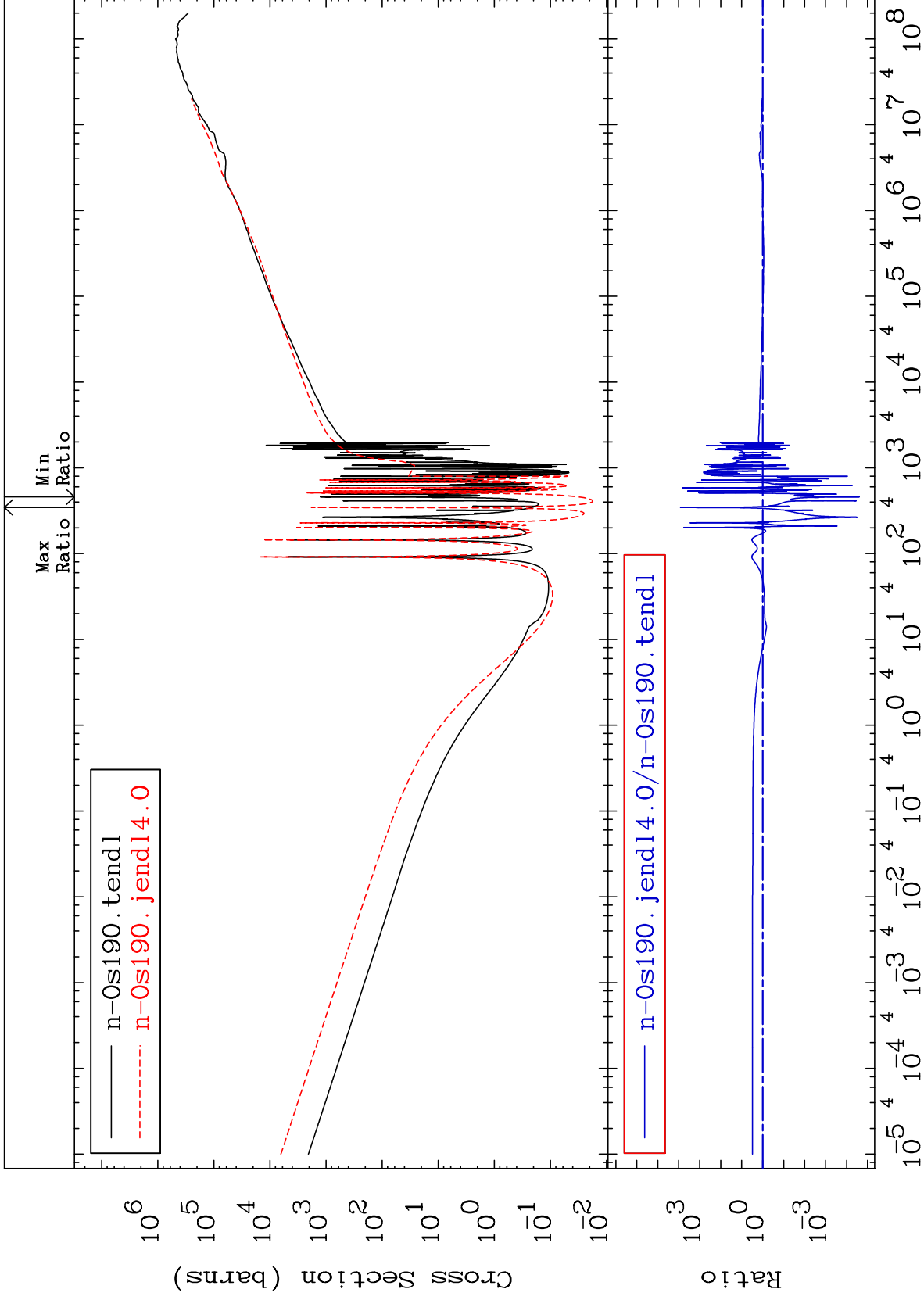
76-0s-190

60

MAT 7643

Dpa total (eV-barns)  
Cross Section

76-0s-190  
-100.0 To 9999. %



61

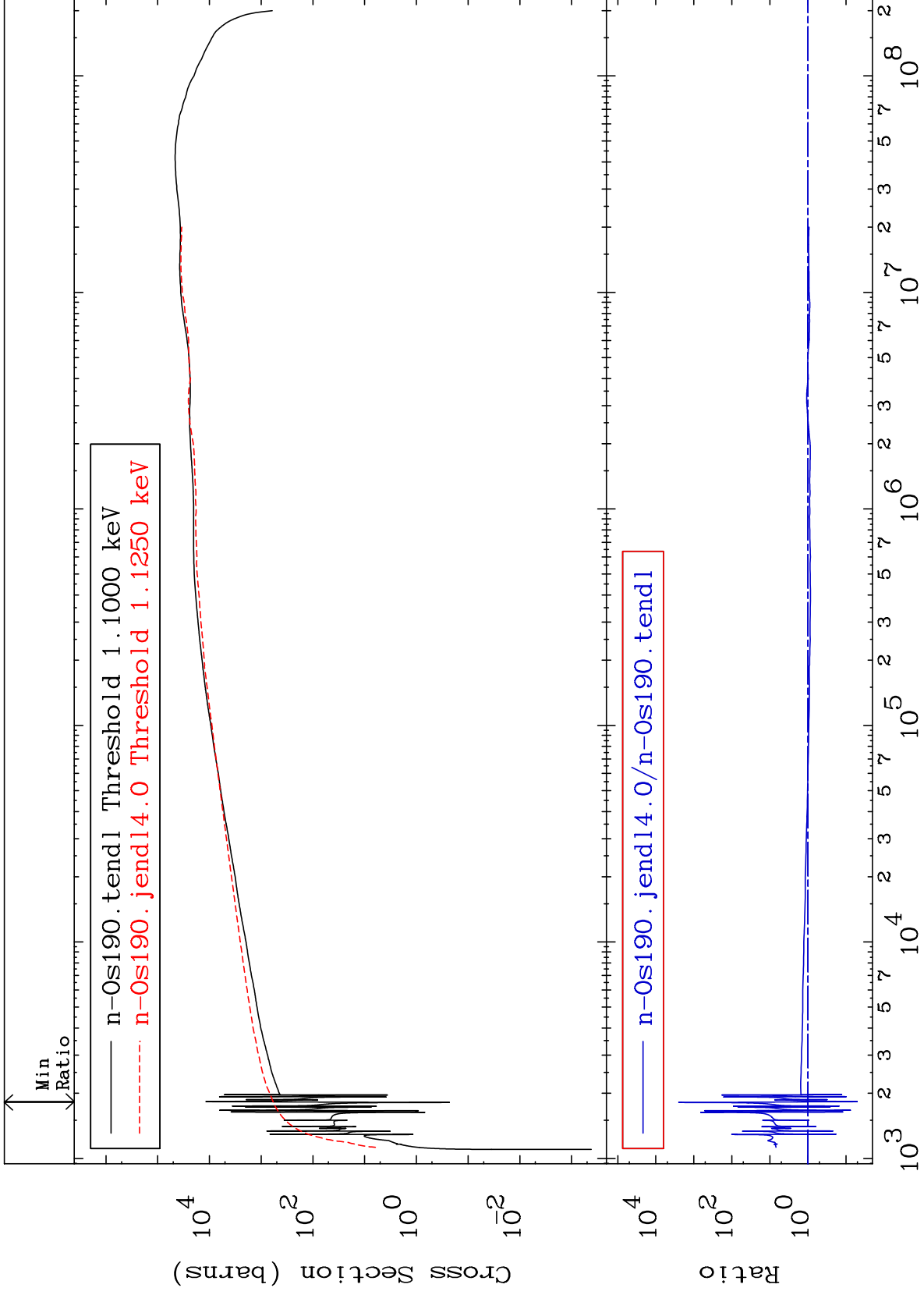
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa elastic (mt2)  
Cross Section

76-0s-190  
-94.93 To 9999. %



62

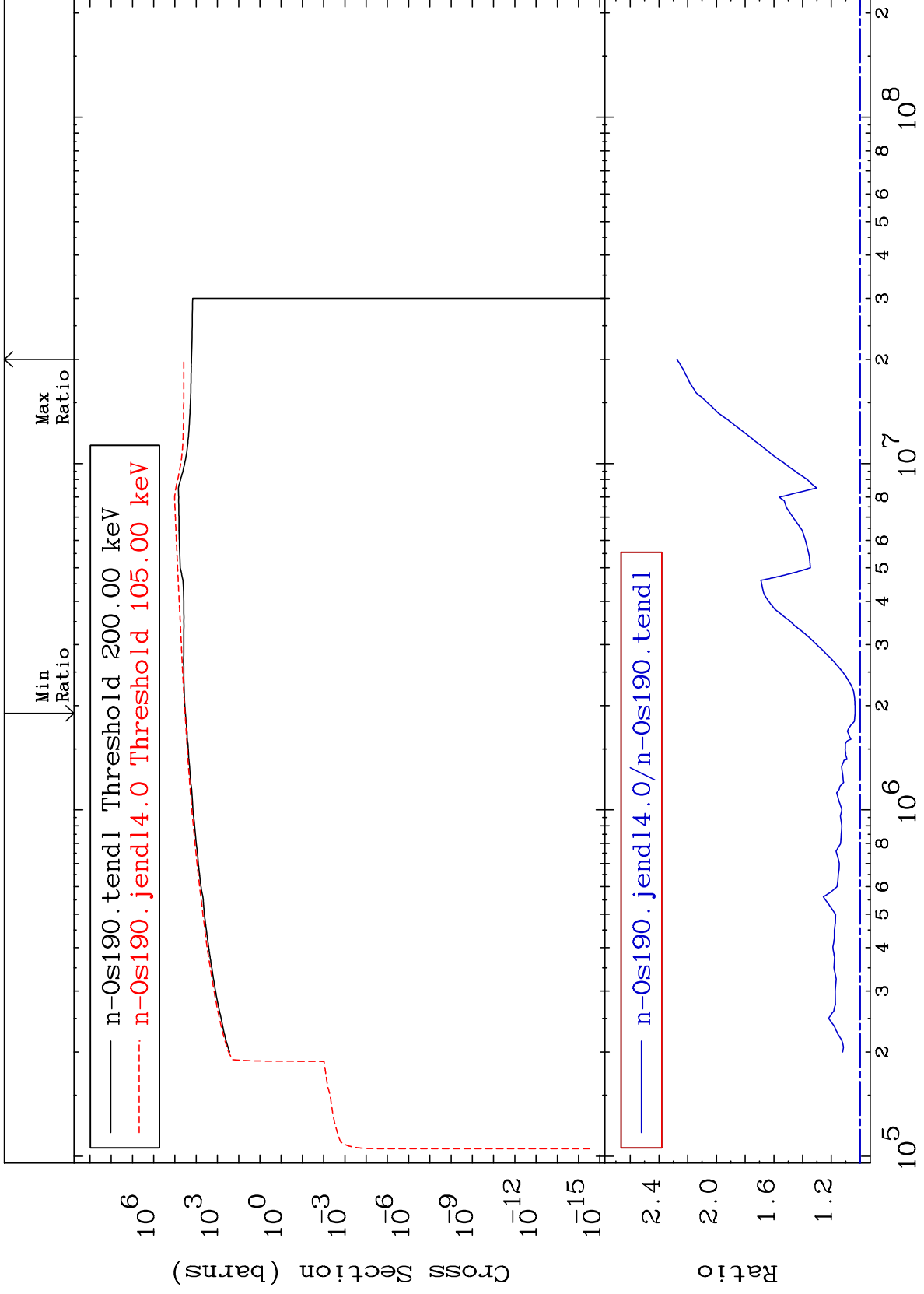
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa inelastic (mt51-91)  
Cross Section

76-0s-190  
3.458 To 127.5 %



63

Incident Energy (eV)

76-0s-190

MAT 7643

Dpa disappearance (mt102 -120)  
Cross Section

76-0s-190  
-100.0 To 9999. %

