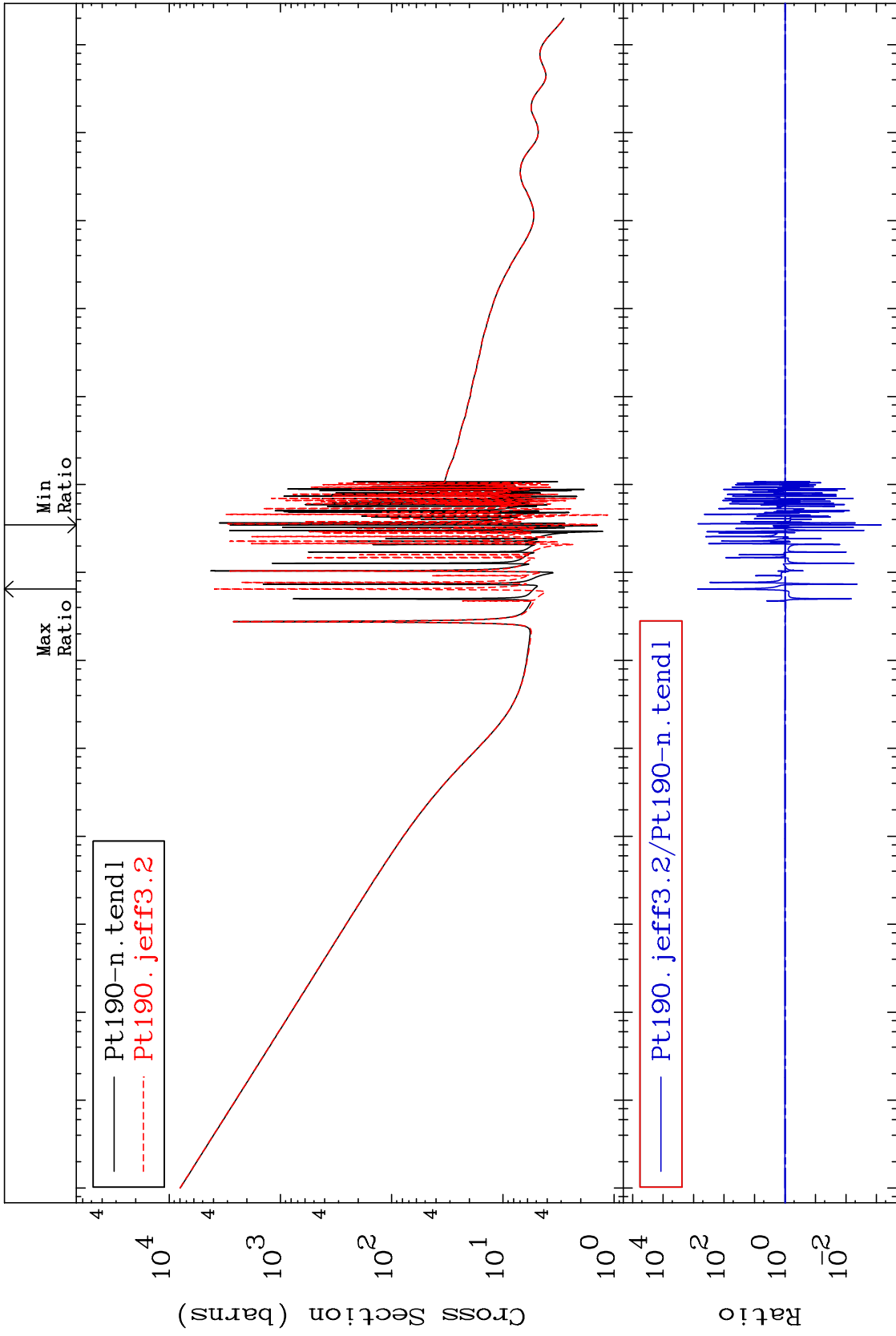


MAT 7825

Total Cross Section
78-Pt-190
-99.93 To 9999. %



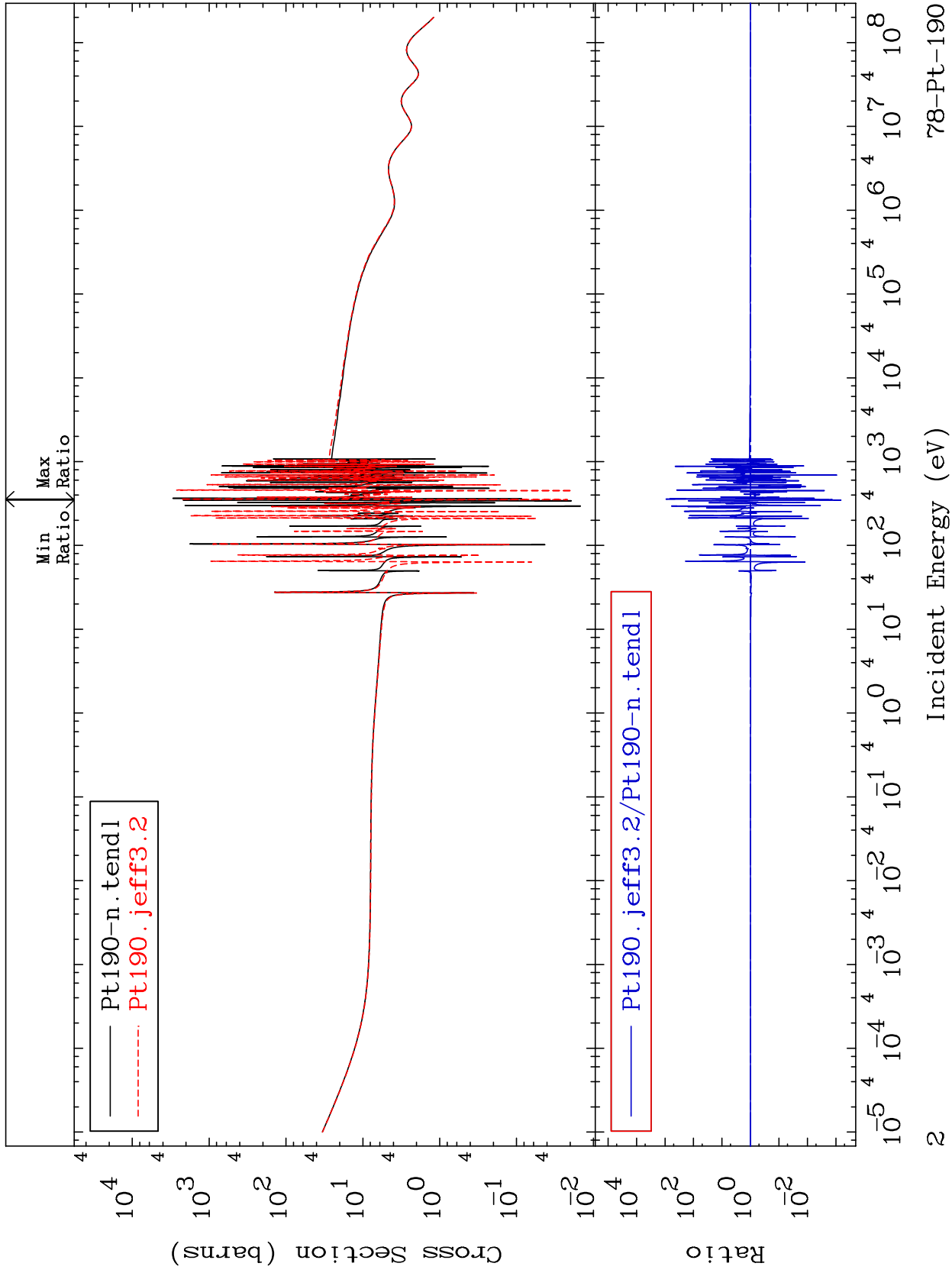
78-Pt-190

Incident Energy (eV)

MAT 7825

Elastic
Cross Section

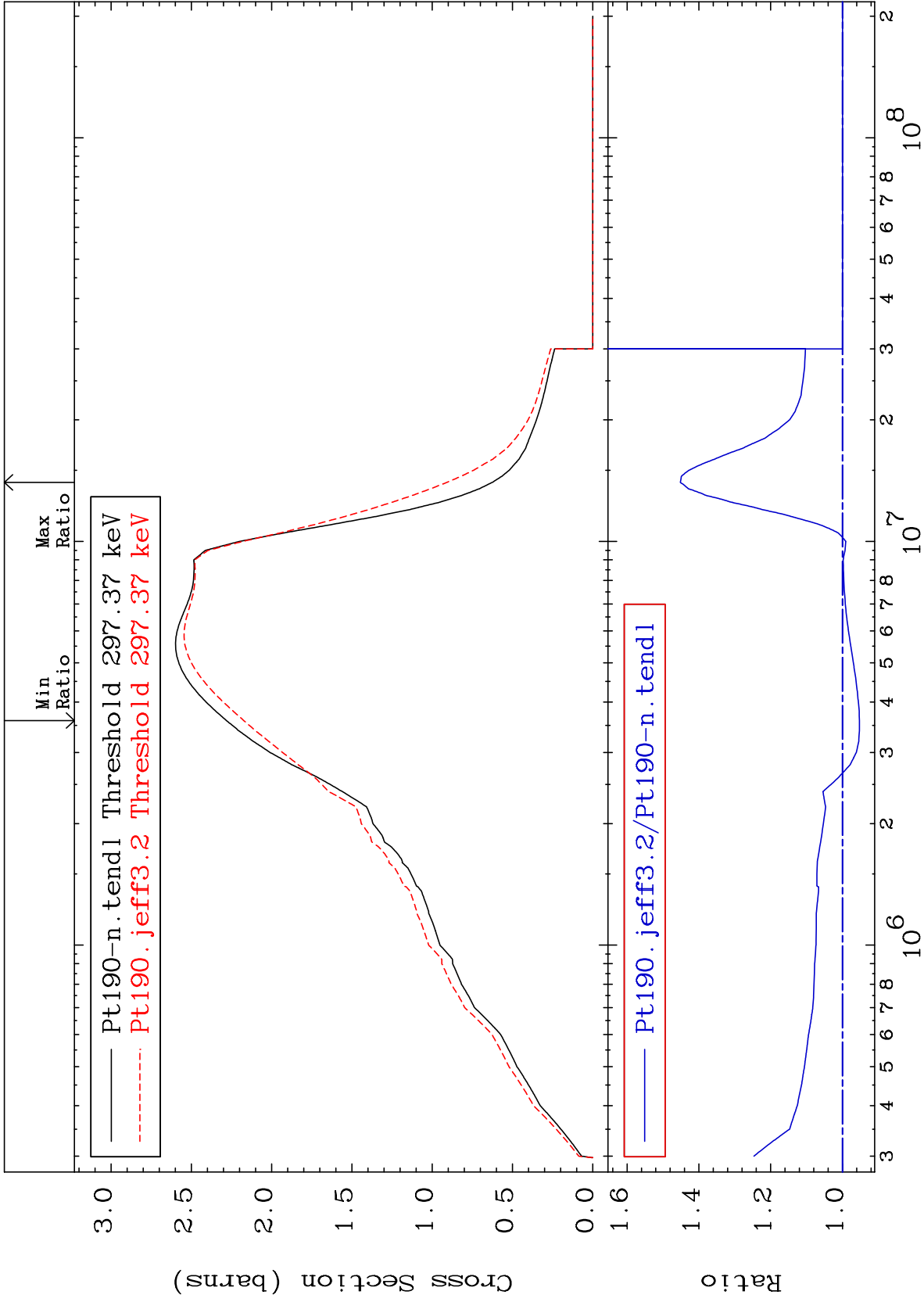
78-Pt-190
-99.93 To 9999. %



MAT 7825

78-Pt-190
-4.734 To 45.15 %

Inelastic
Cross Section



3

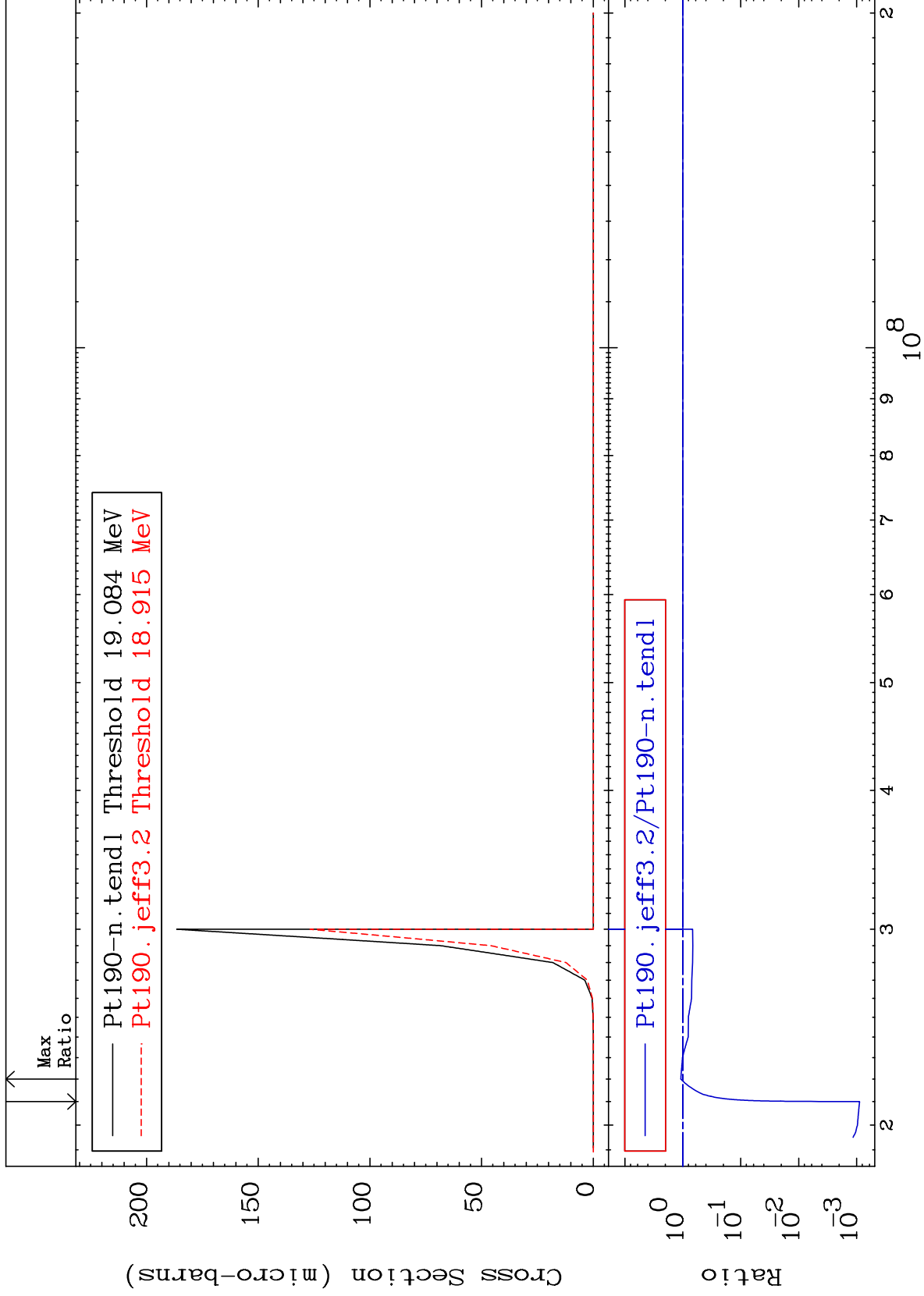
Incident Energy (eV)

78-Pt-190

MAT 7825

(n,2n) d
Cross Section

78-Pt-190
-99.91 To 8.463 %



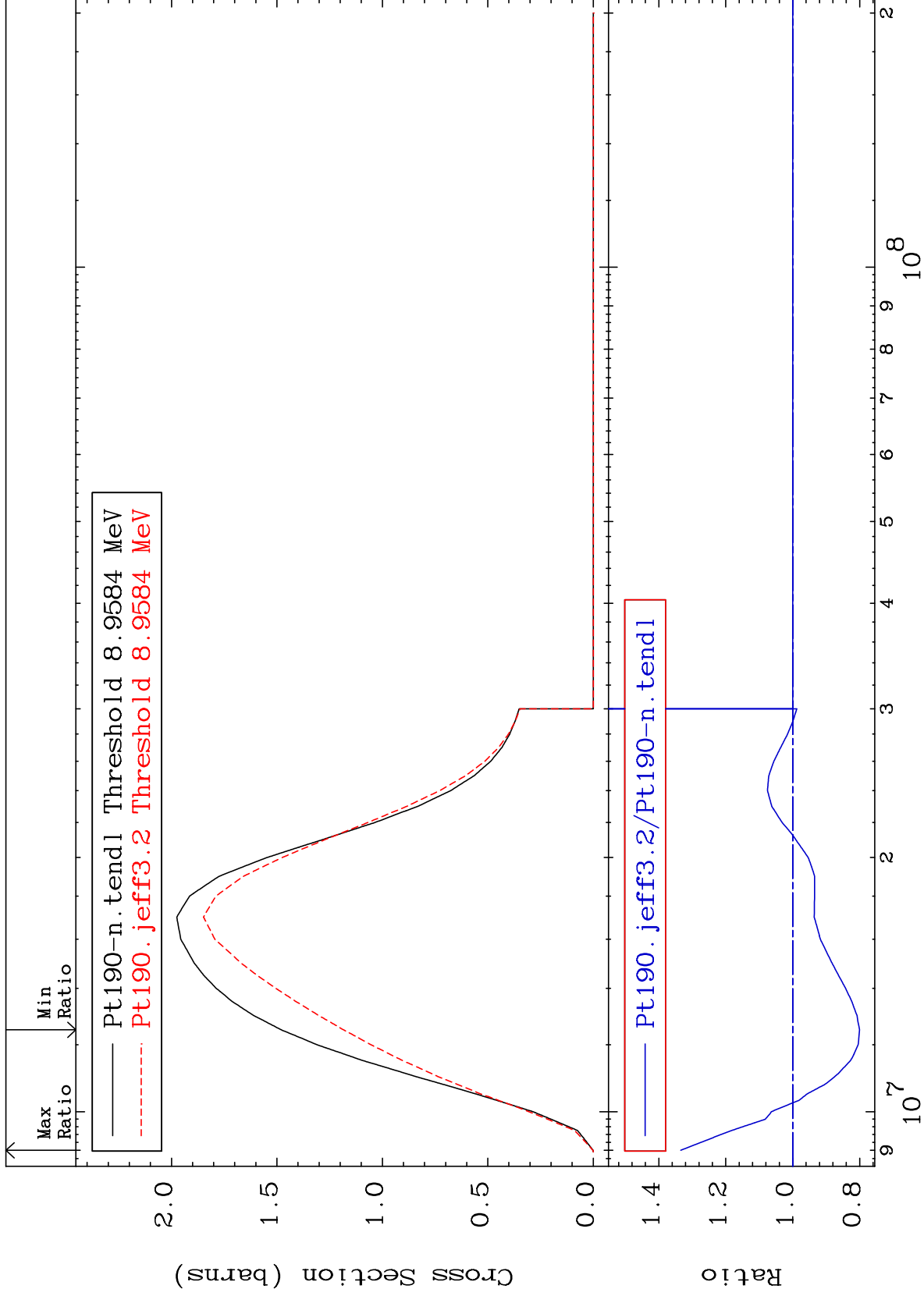
MAT 7825

(n,2n)

78-Pt-190

Cross Section

-19.96 To 33.45 %



Incident Energy (eV)

78-Pt-190

5

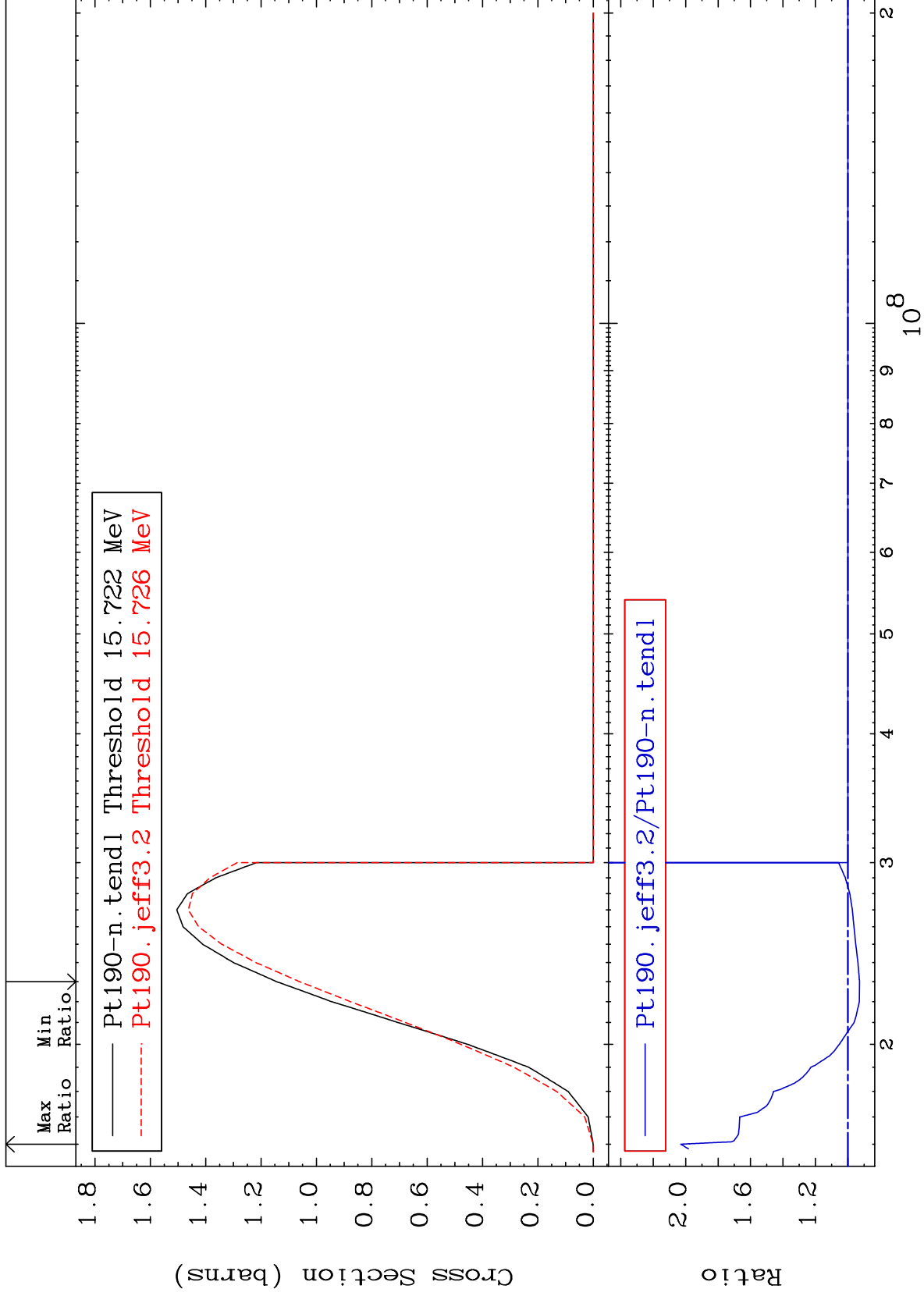
MAT 7825

(n,3n)

78-Pt-190

Cross Section

-7.232 To 103.0 %



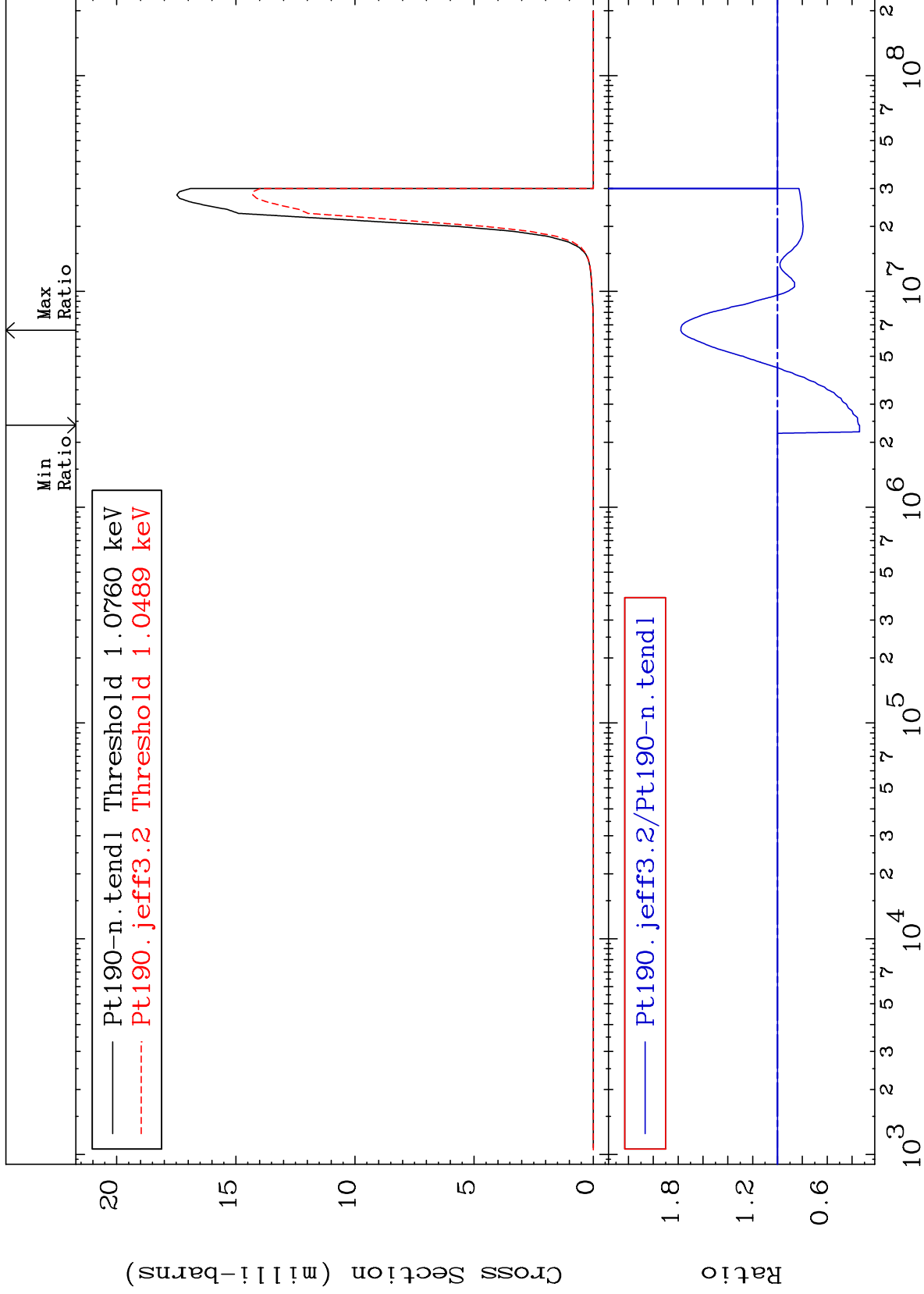
MAT 7825

$(n, n') \alpha$

Cross Section

78-Pt-190

-66.04 To 77.90 %



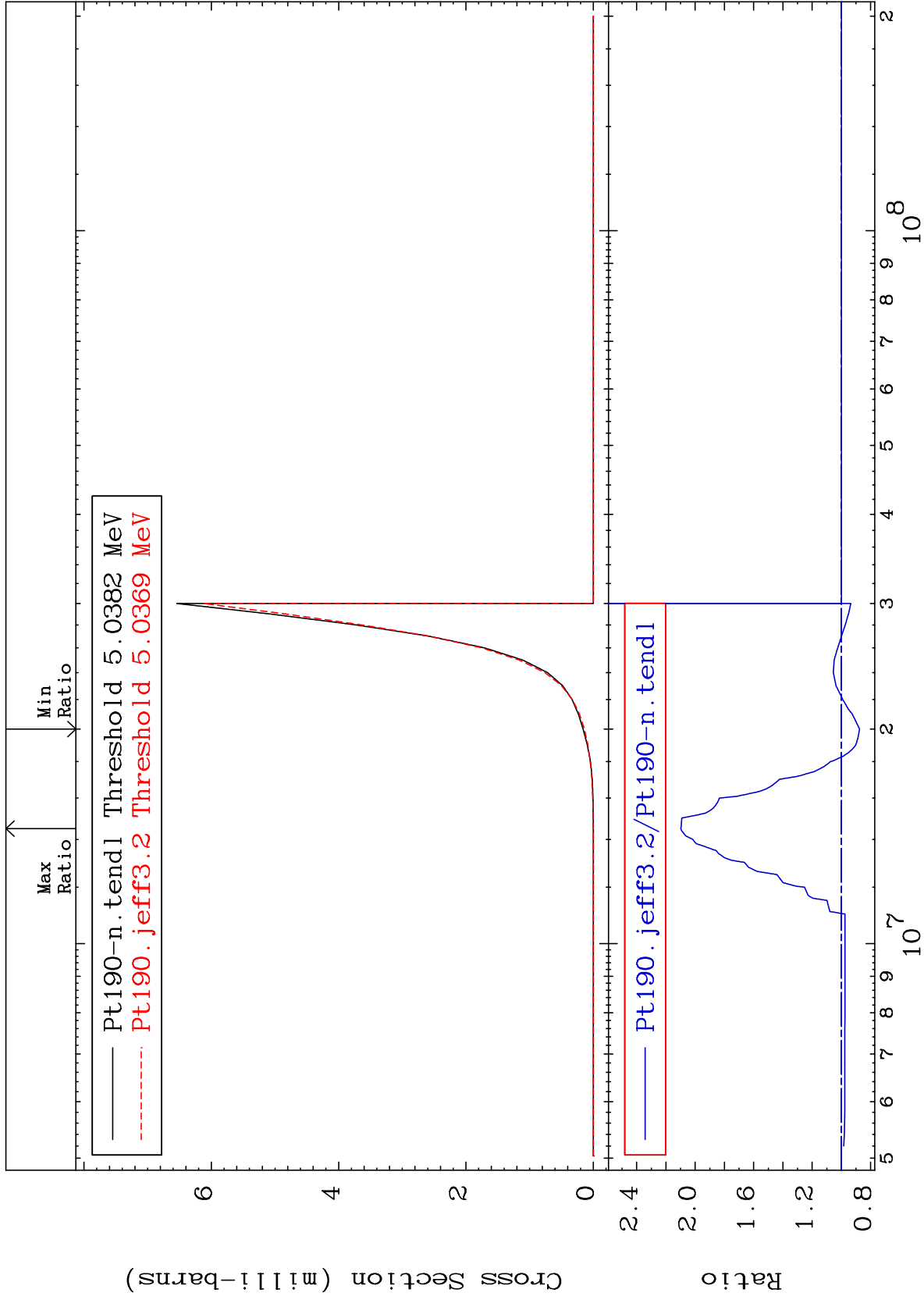
Incident Energy (eV)

78-Pt-190

MAT 7825

(n,2n) α
Cross Section

78-Pt-190
-12.40 To 109.8 %



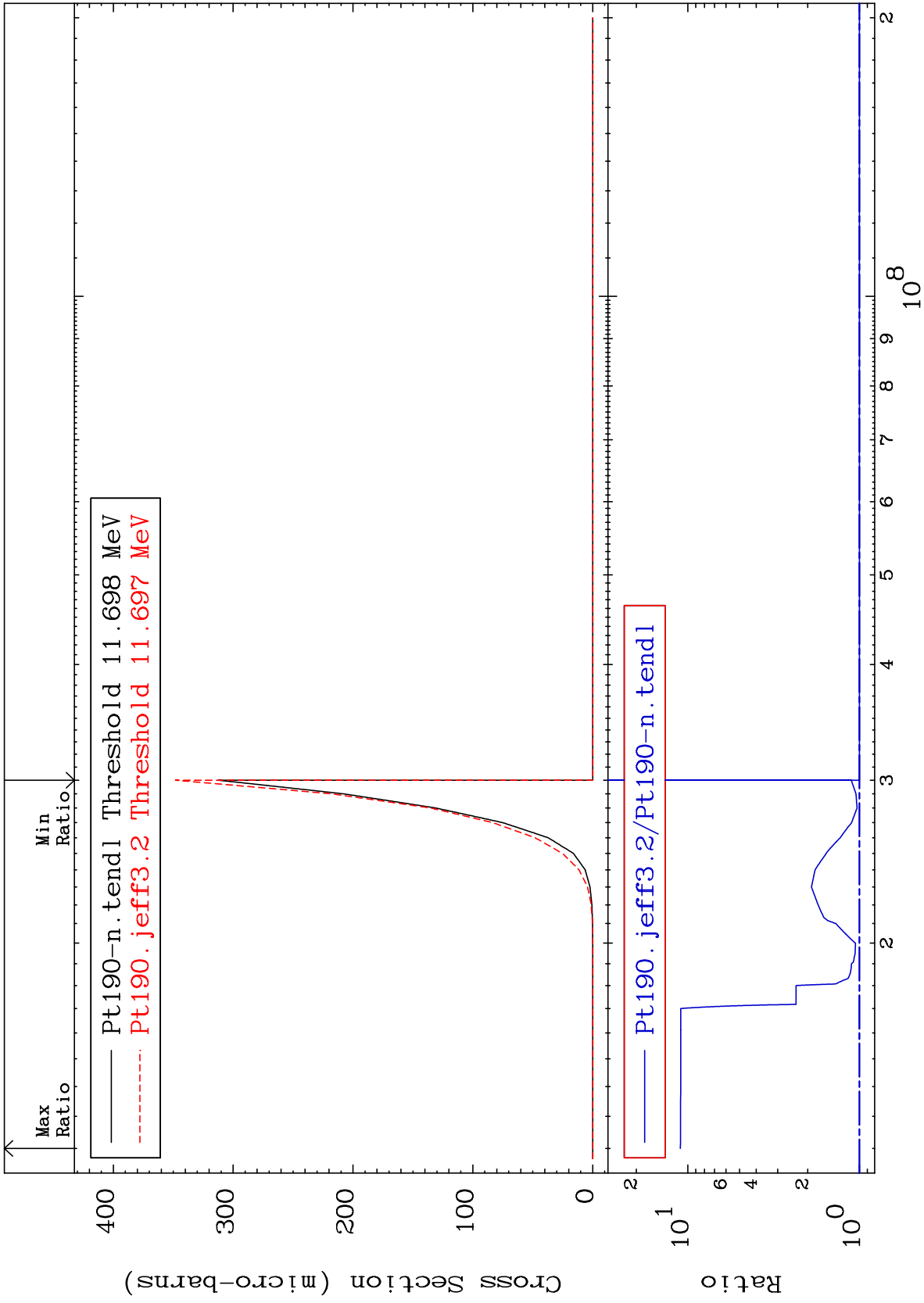
8

78-Pt-190

MAT 7825

(n,3n) α
Cross Section

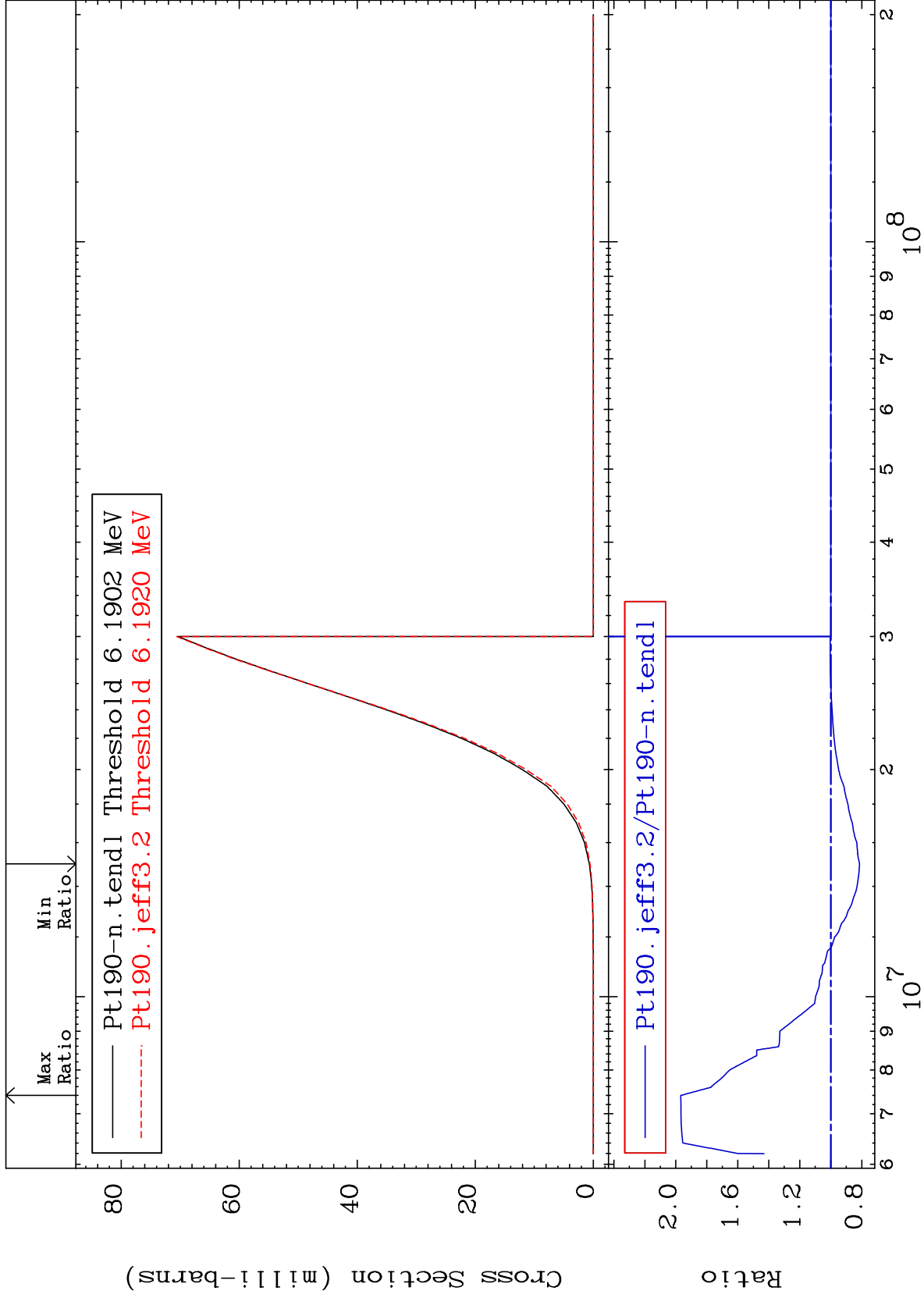
78-Pt-190
To 1007. %
0.000



MAT 7825

(n,n') p
Cross Section

78-Pt-190
-18.58 To 96.80 %



10

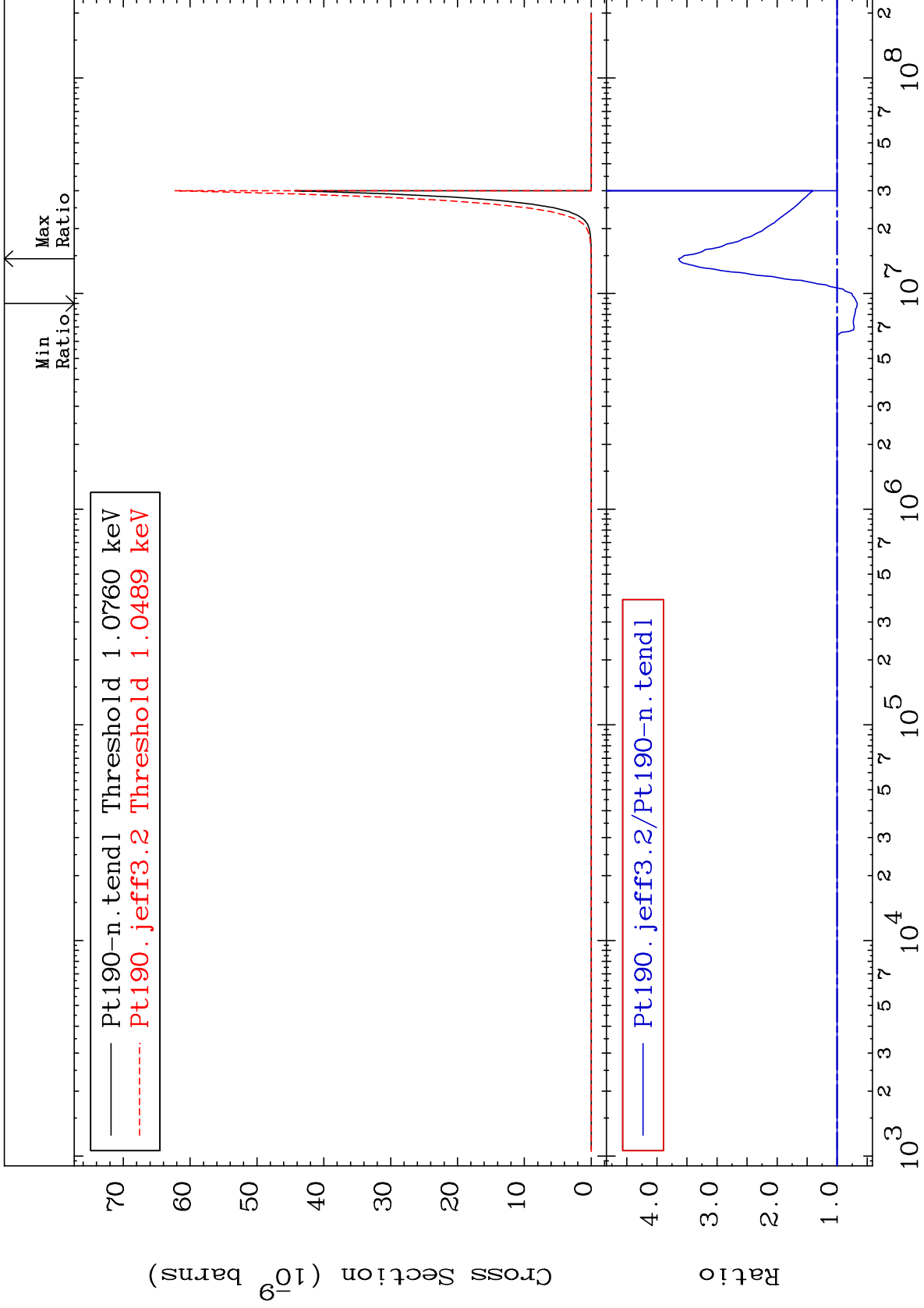
Incident Energy (eV)

78-Pt-190

MAT 7825

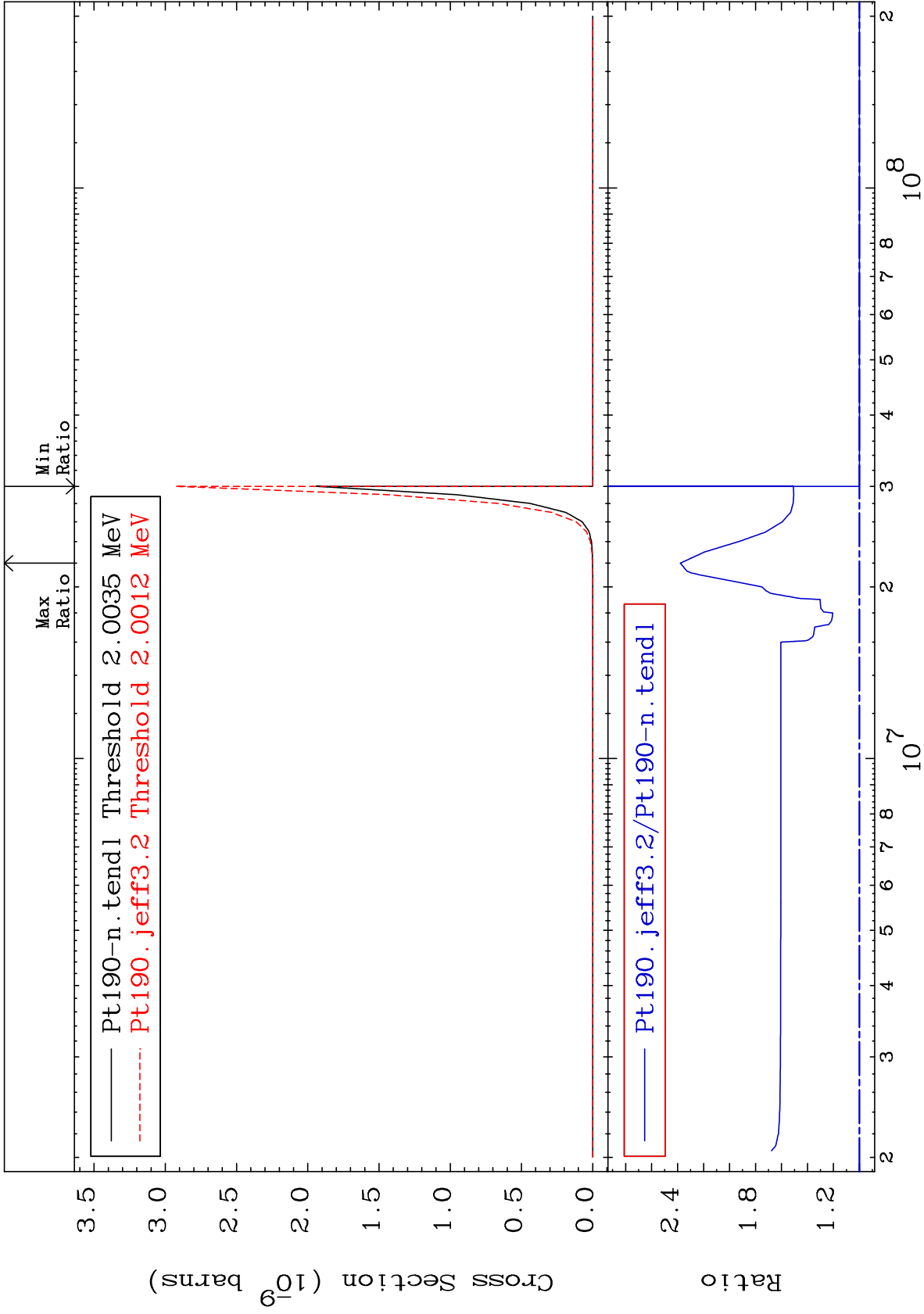
(n, n') 2 α
Cross Section

78-Pt-190
-33.45 To 263.8 %



MAT 7825

(n,2n) 2α
Cross Section
0.000 To 137.9 %
78-Pt-190



12

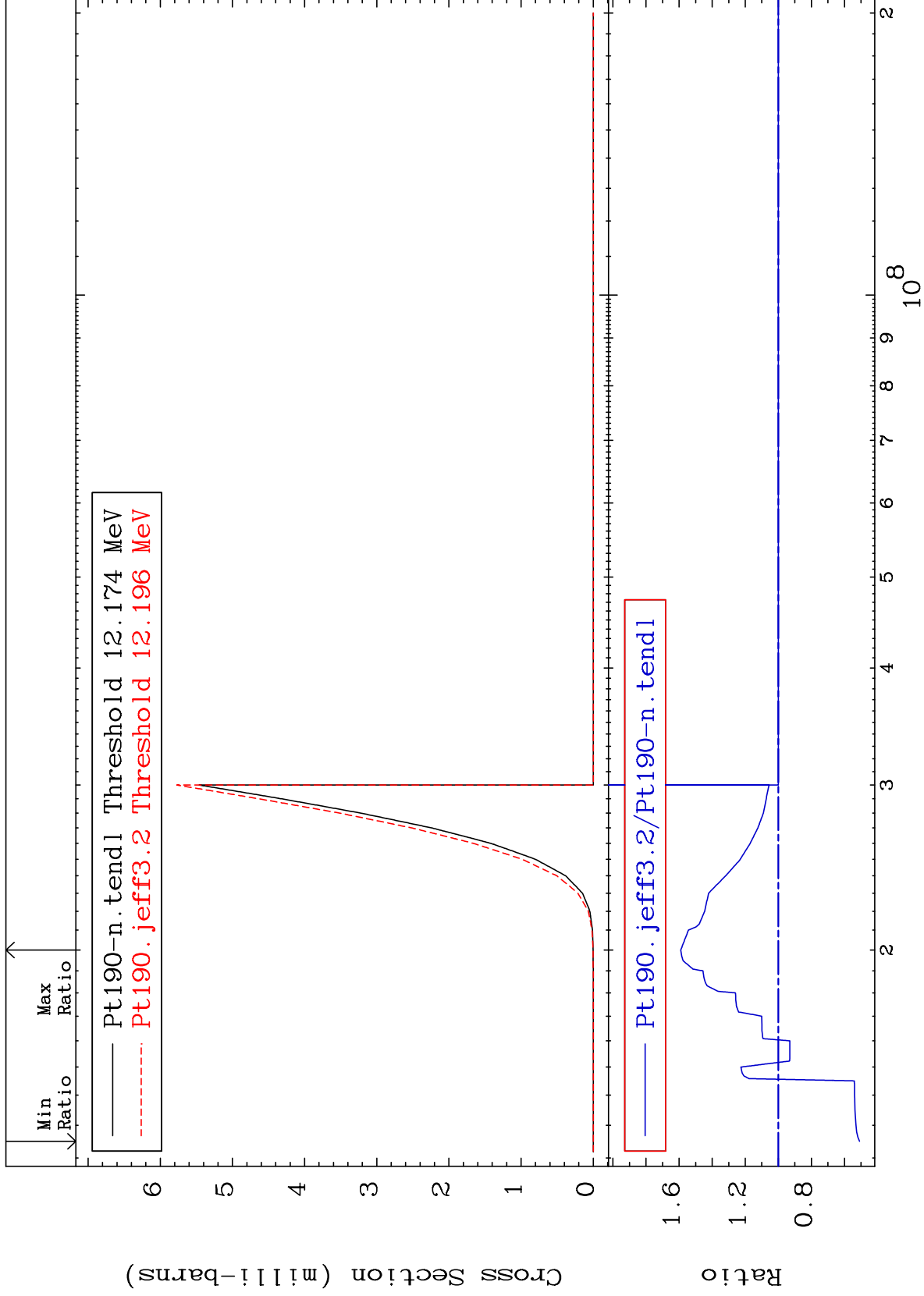
Incident Energy (eV)

78-Pt-190

MAT 7825

(n, n') d
Cross Section

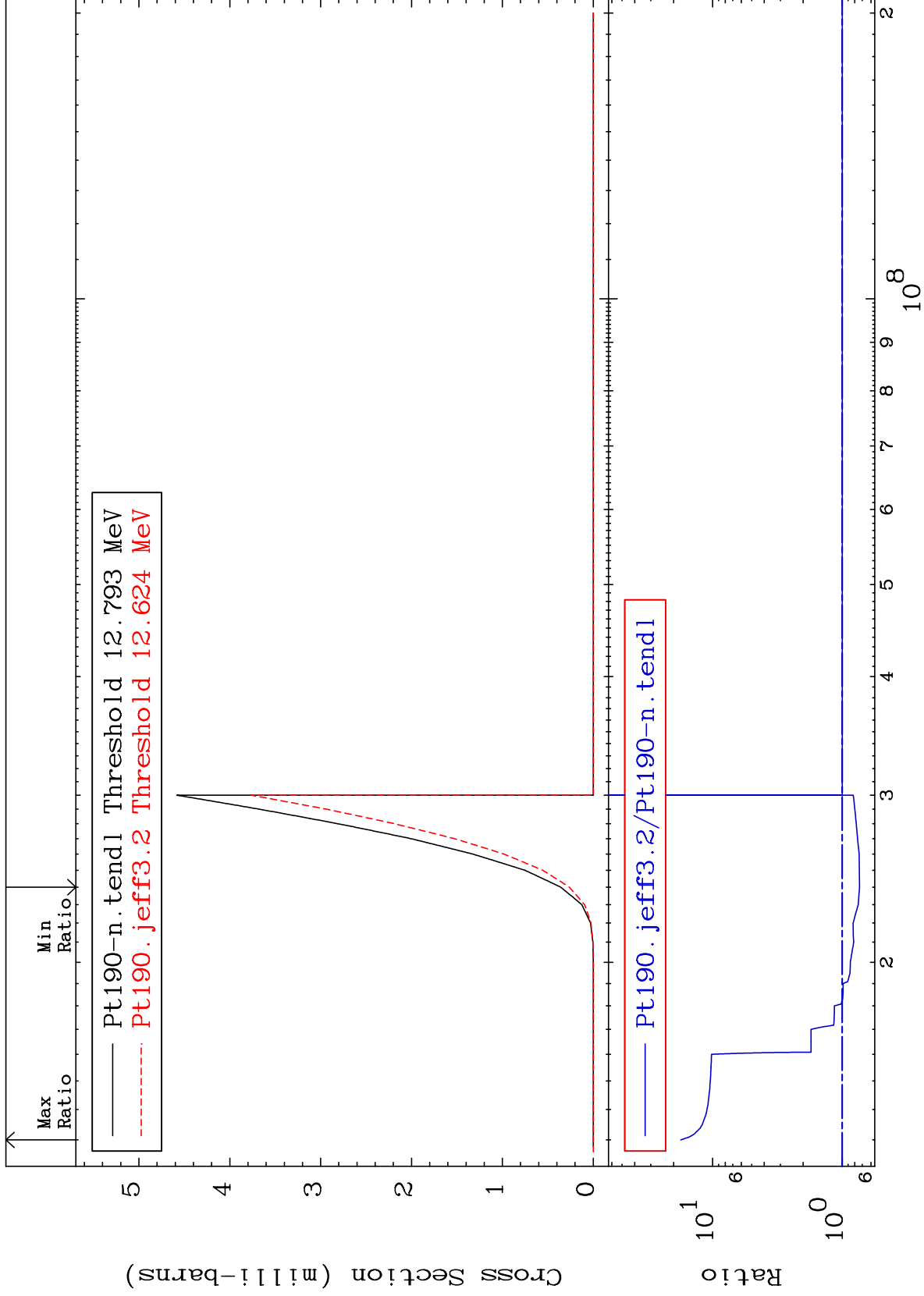
78-Pt-190
-49.12 To 58.99 %



MAT 7825

(n,n') t
Cross Section

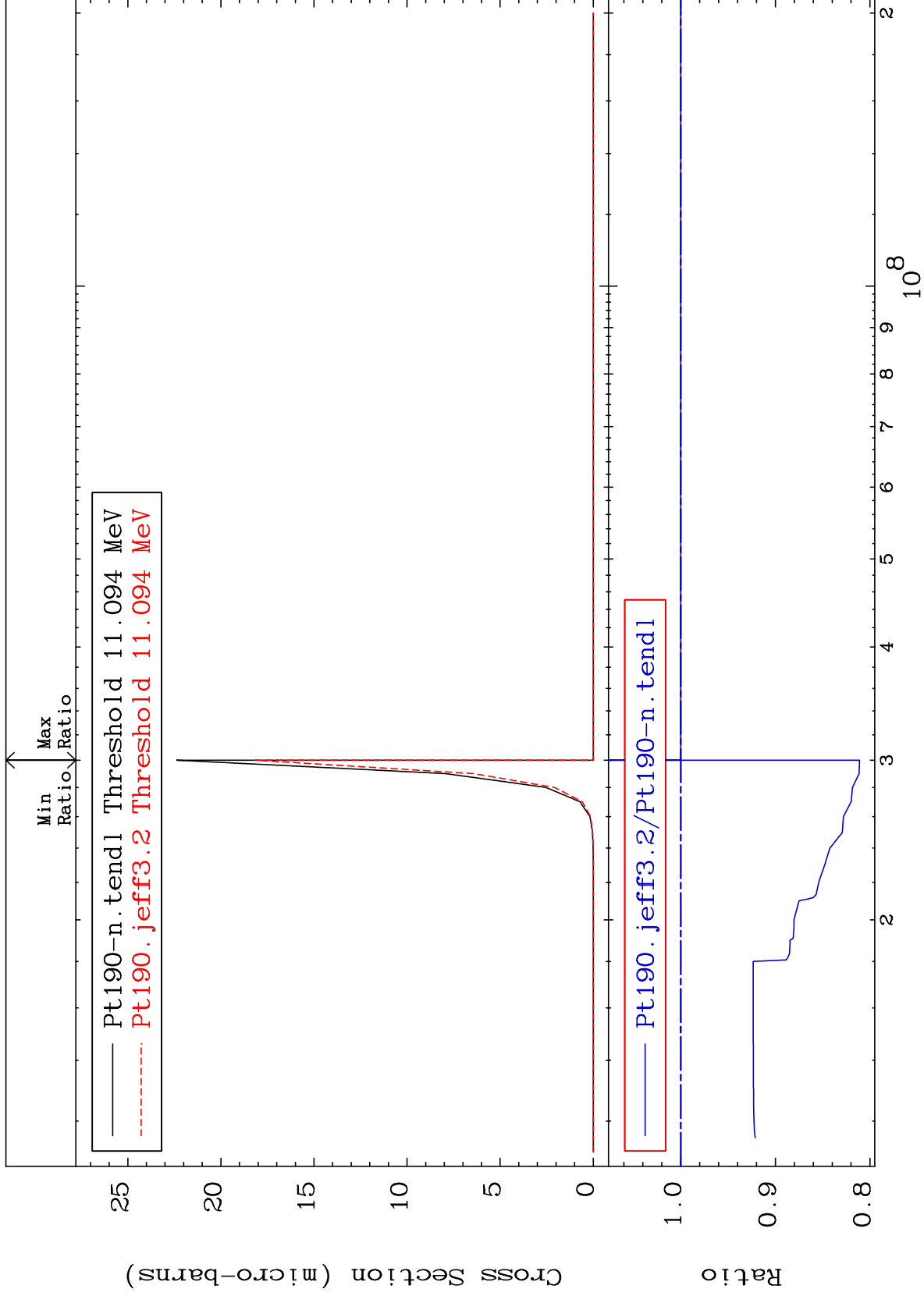
78-Pt-190
-26.49 To 1662. %



MAT 7825

(n, n') He-3
Cross Section

78-Pt-190
-18.89 To 0.000 %



15

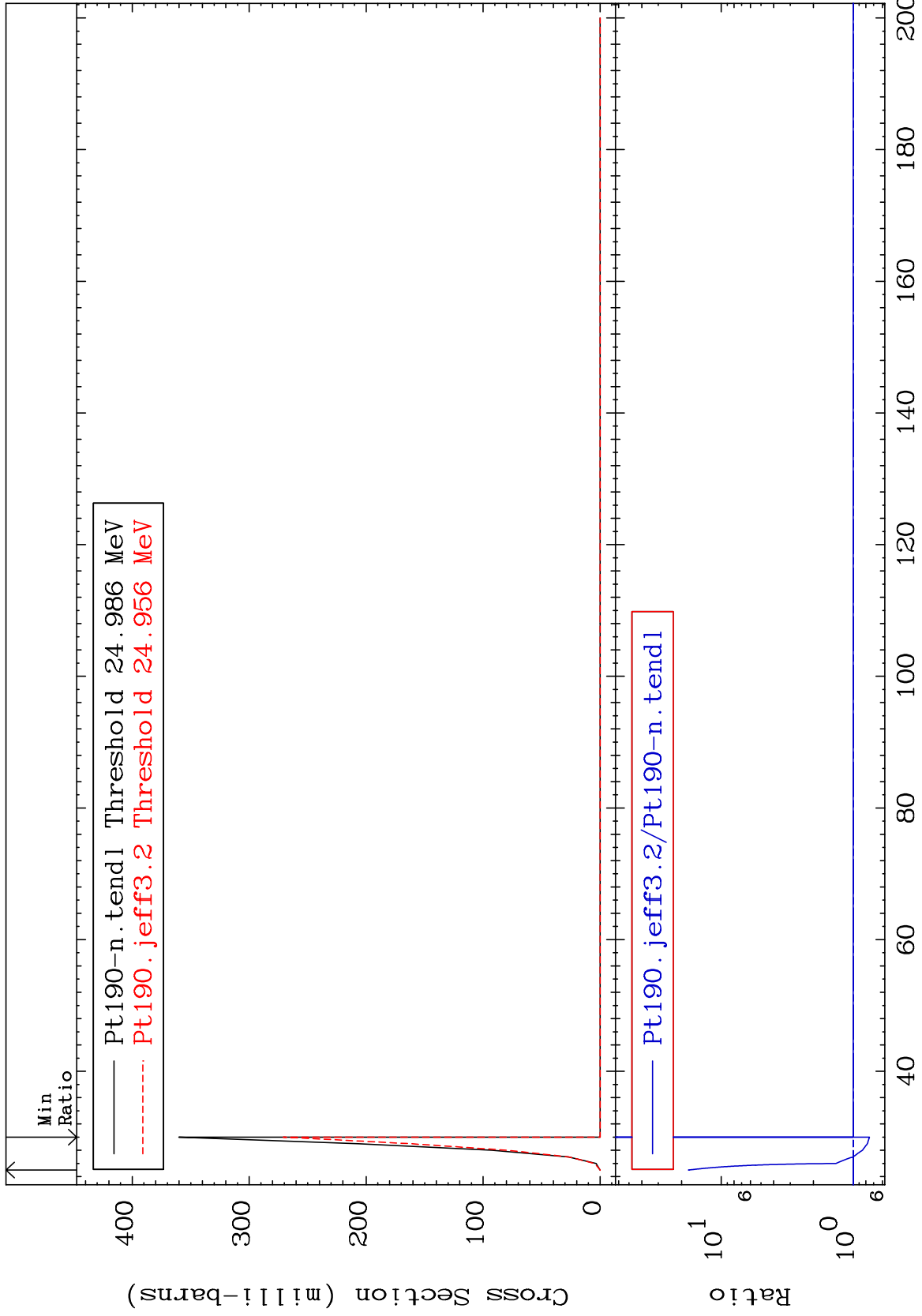
Incident Energy (eV)

78-Pt-190

MAT 7825

(n,4n)
Cross Section

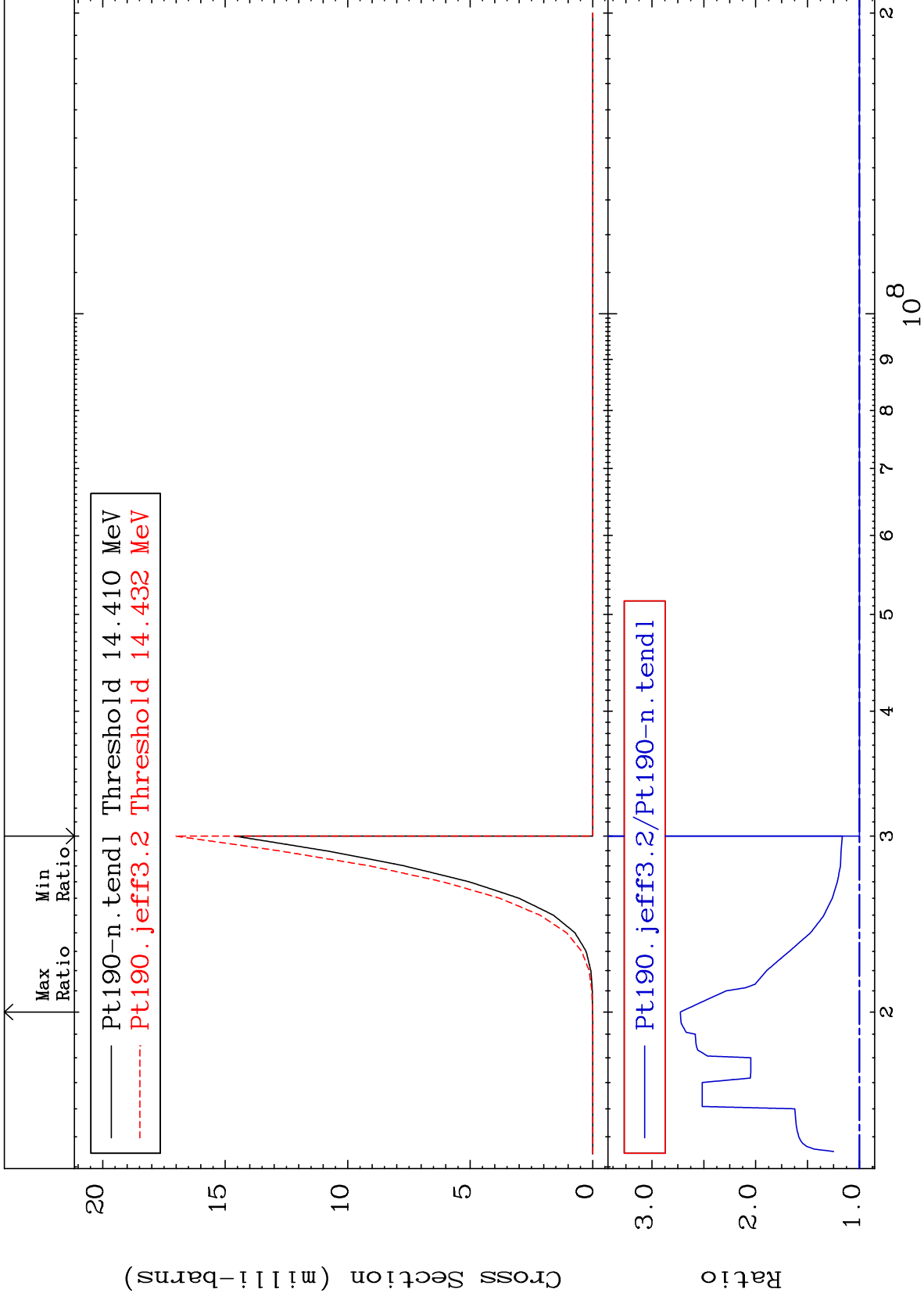
78-Pt-190
-24.78 To 1667. %



MAT 7825

(n,2n) p
Cross Section

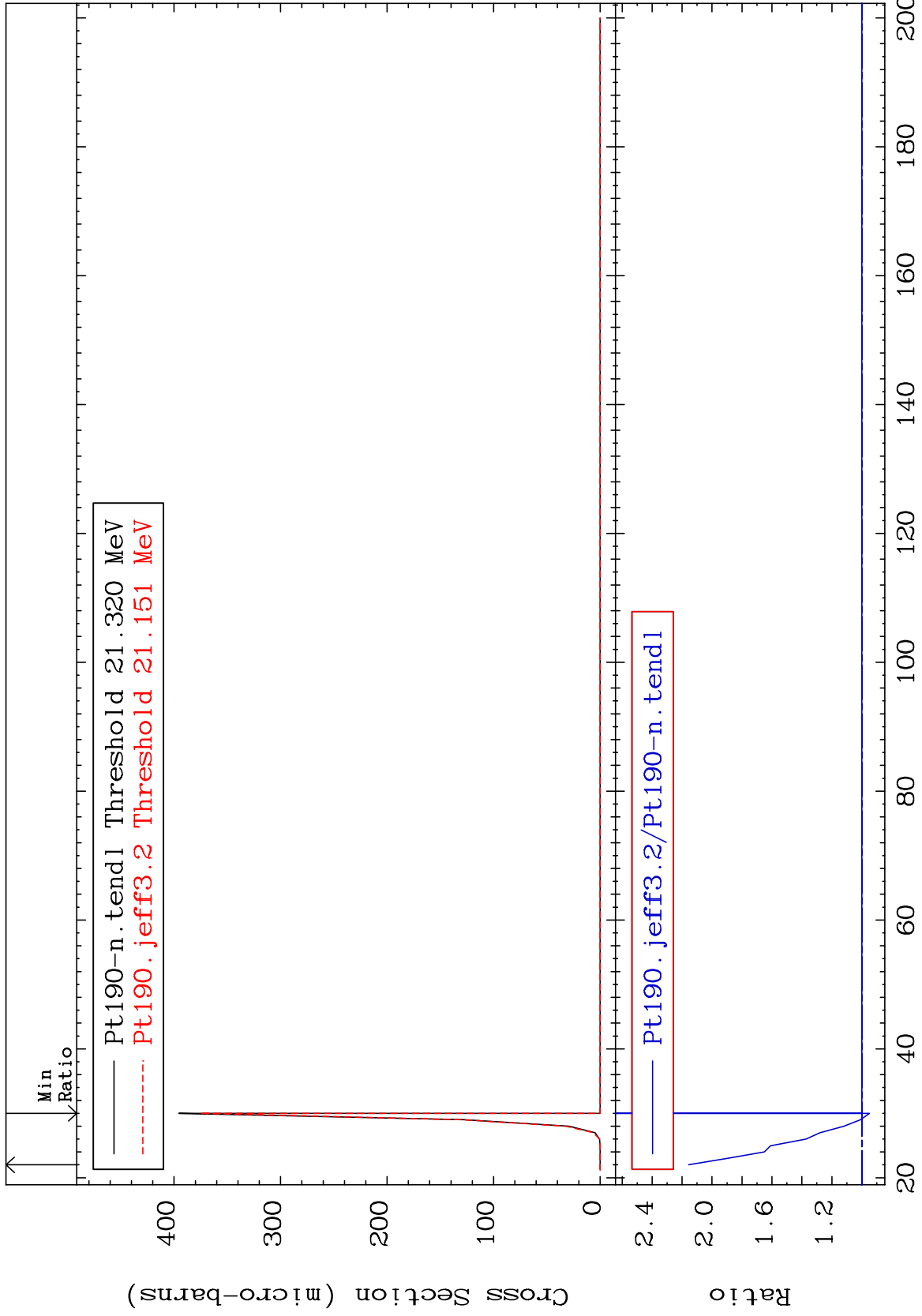
78-Pt-190
To 172.6 %
0.000



MAT 7825

(n,3n) p
Cross Section

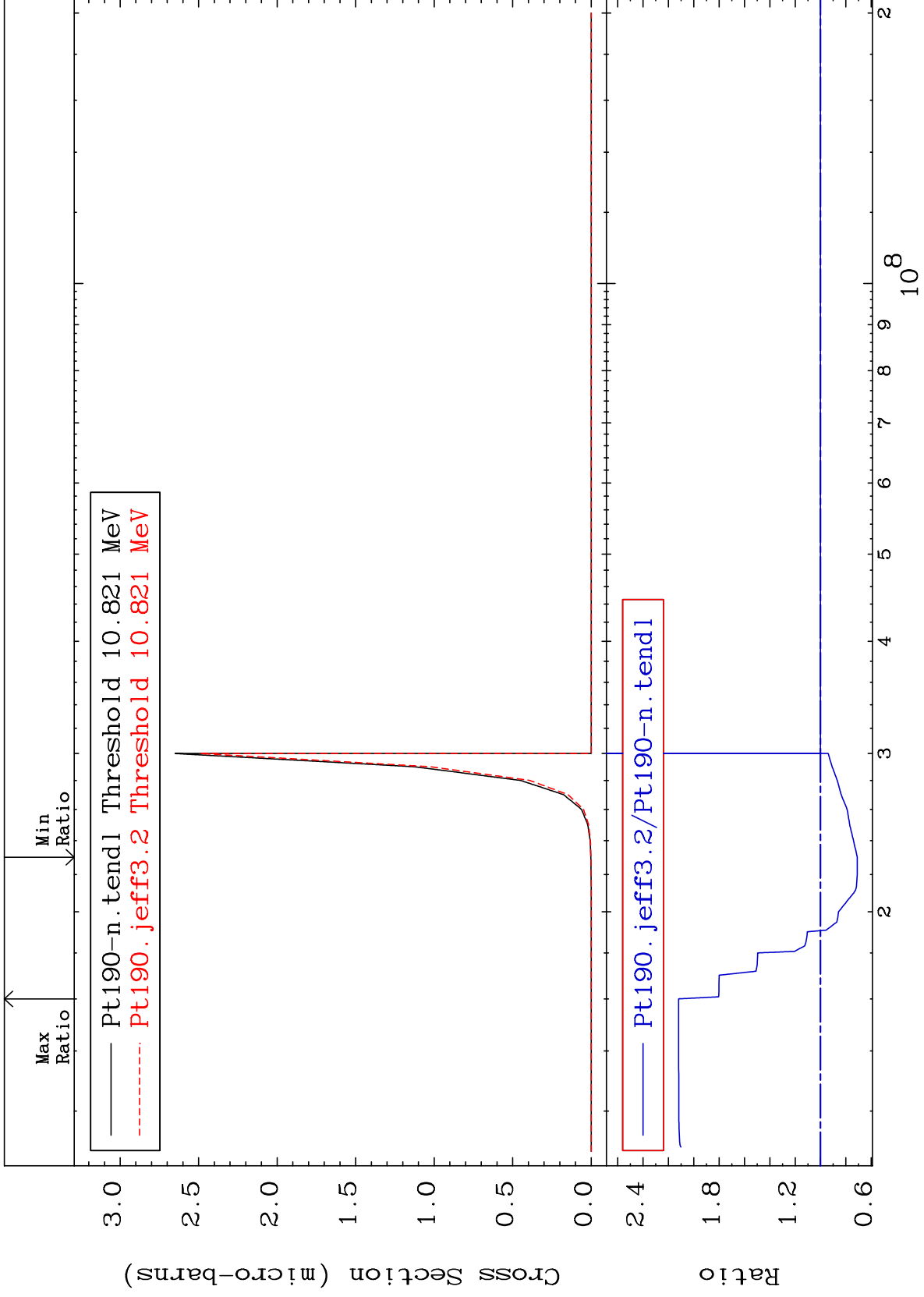
78-Pt-190
-5.084 To 115.6 %



MAT 7825

(n,2n) p
Cross Section

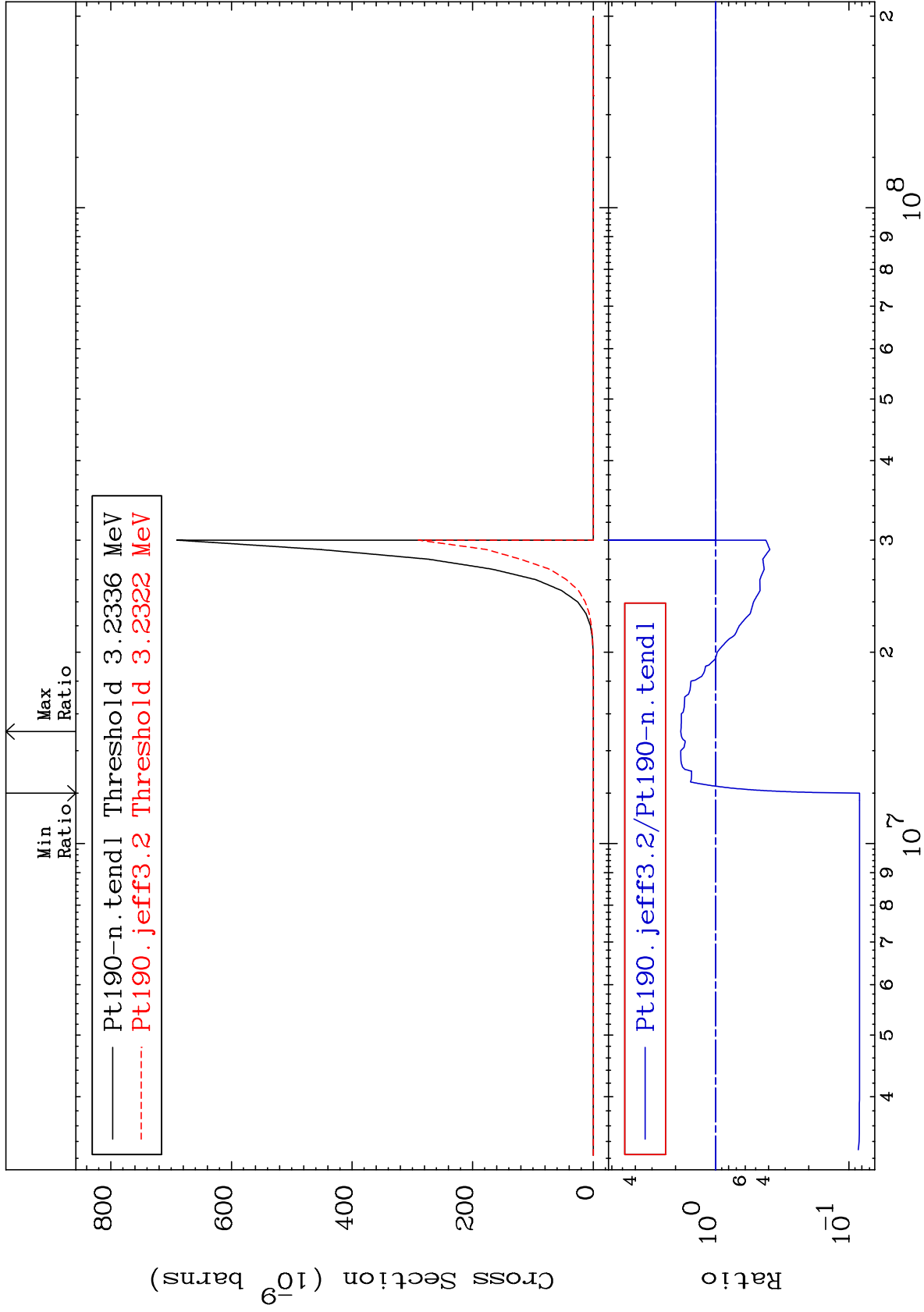
78-Pt-190
-28.96 To 111.9 %



MAT 7825

(n,n') p α
Cross Section

78-Pt-190
-91.68 To 82.49 %

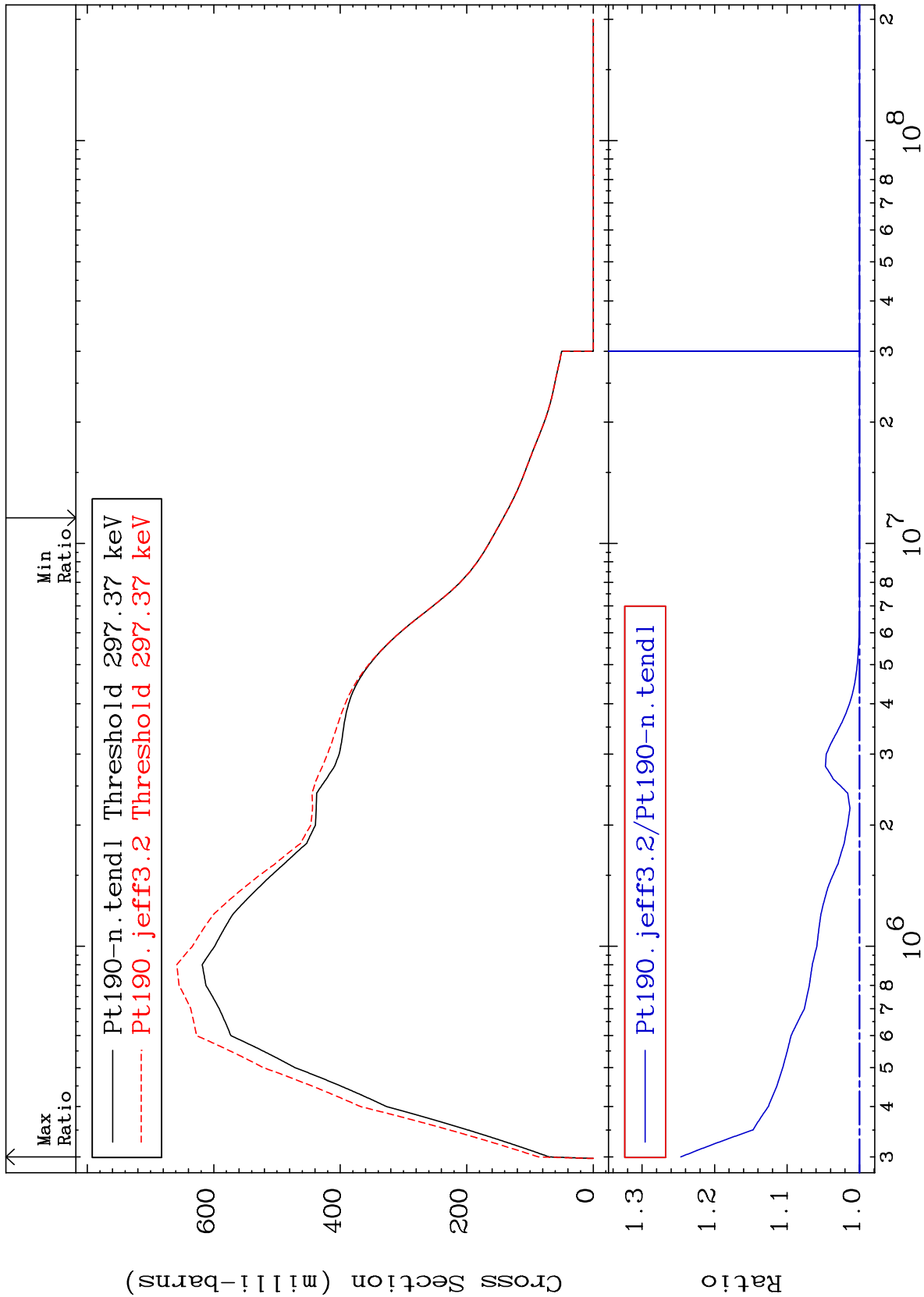


20

Incident Energy (eV)

78-Pt-190

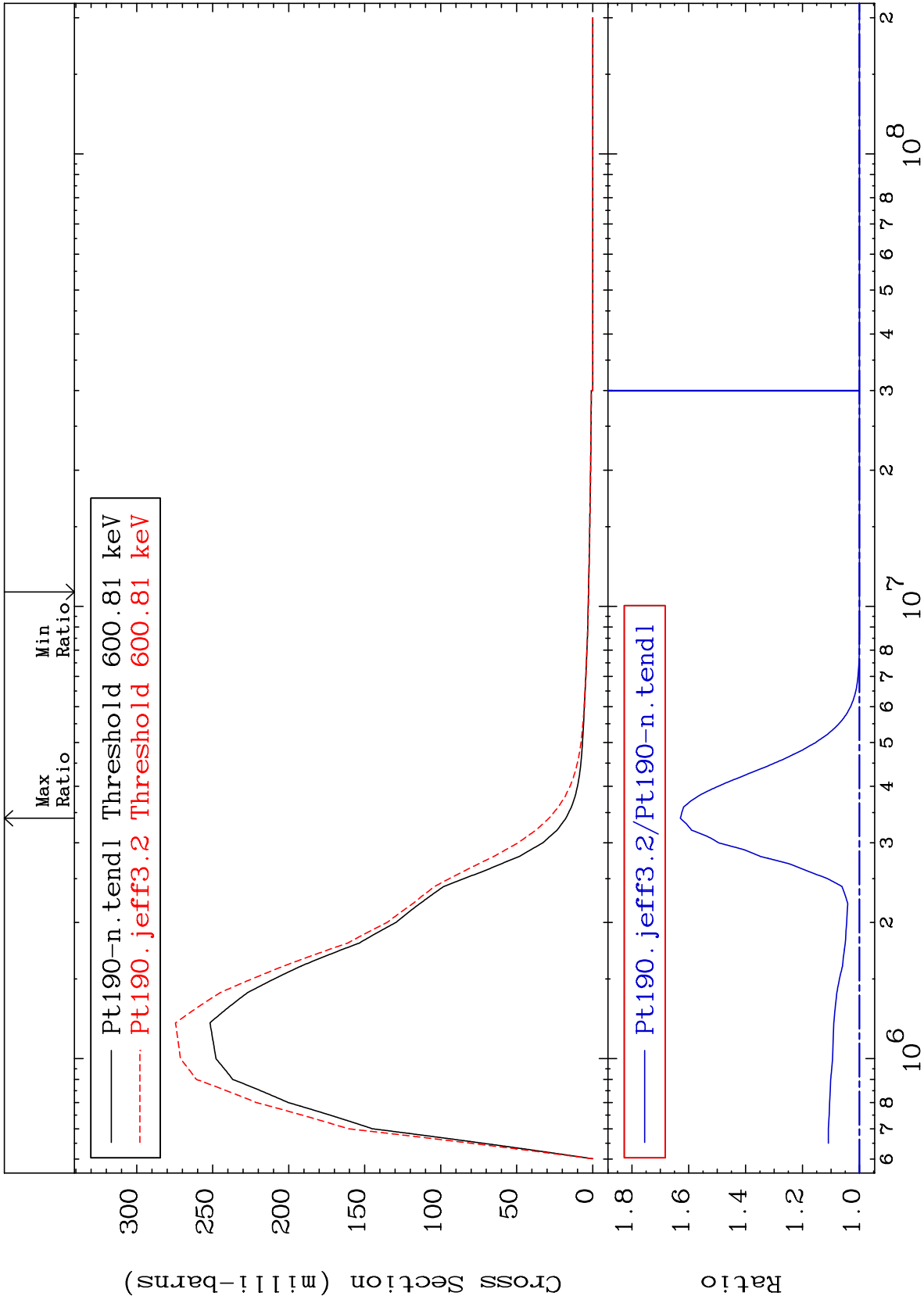
MAT 7825 295.8 keV (n,n') Level 78-Pt-190
 Cross Section 0.000 To 24.66 %



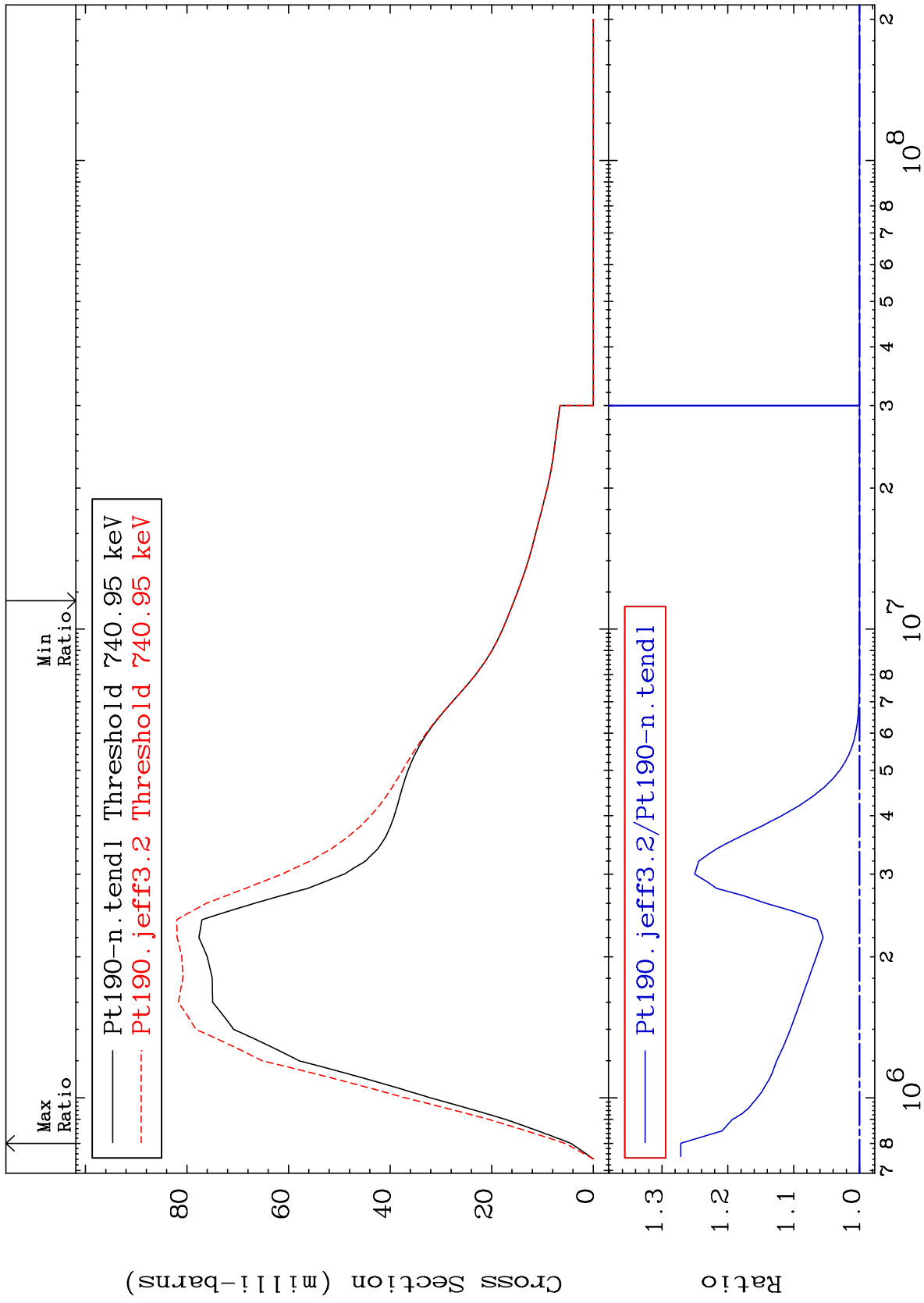
MAT 7825

597.6 keV (n,n') Level
Cross Section

78-Pt-190
0.000 To 62.95 %



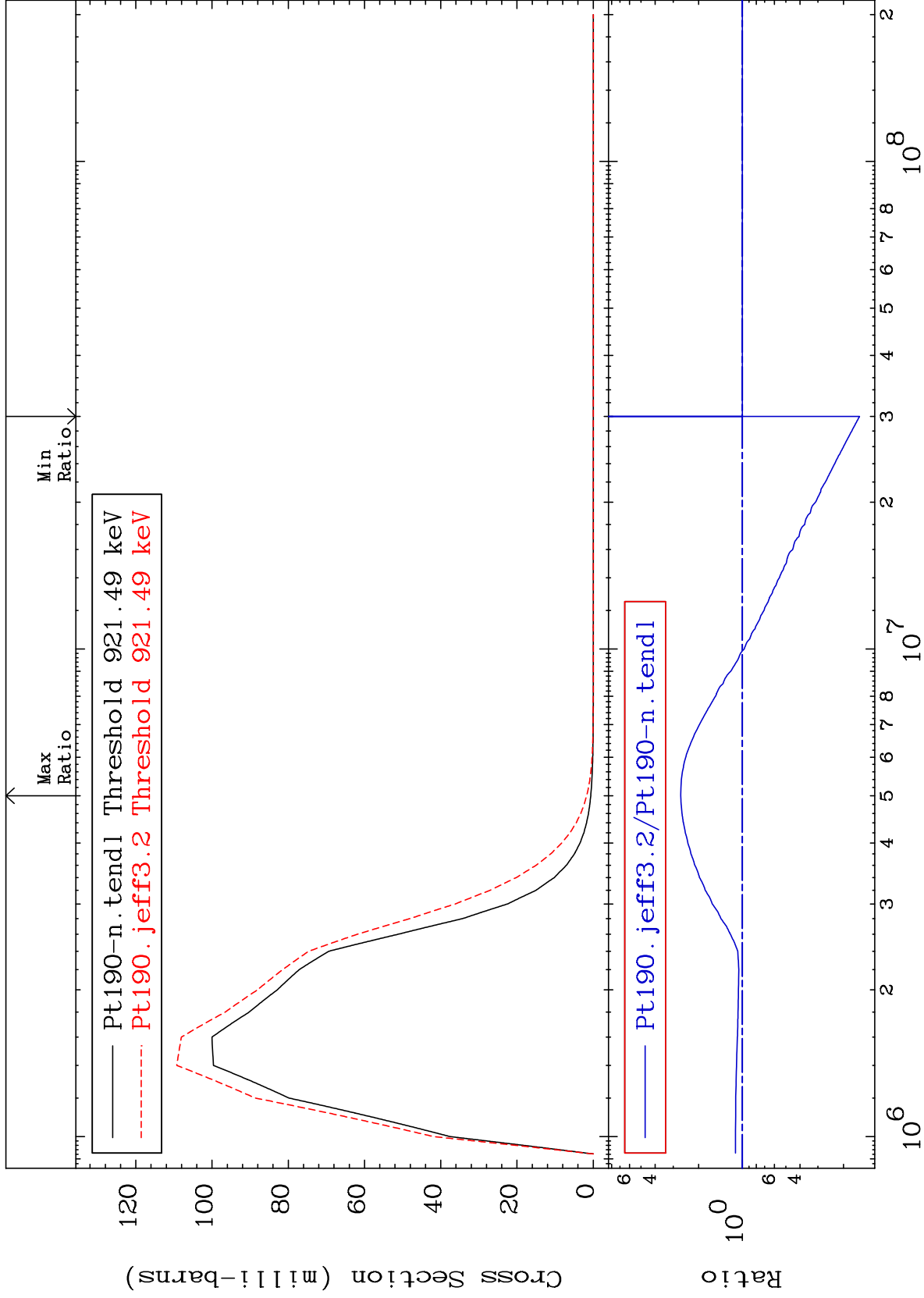
MAT 7825 737.0 keV (n,n') Level 78-Pt-190
 Cross Section 0.000 To 27.15 %



MAT 7825

916.6 keV (n,n') Level
Cross Section

78-Pt-190
-84.51 To 165.9 %



24

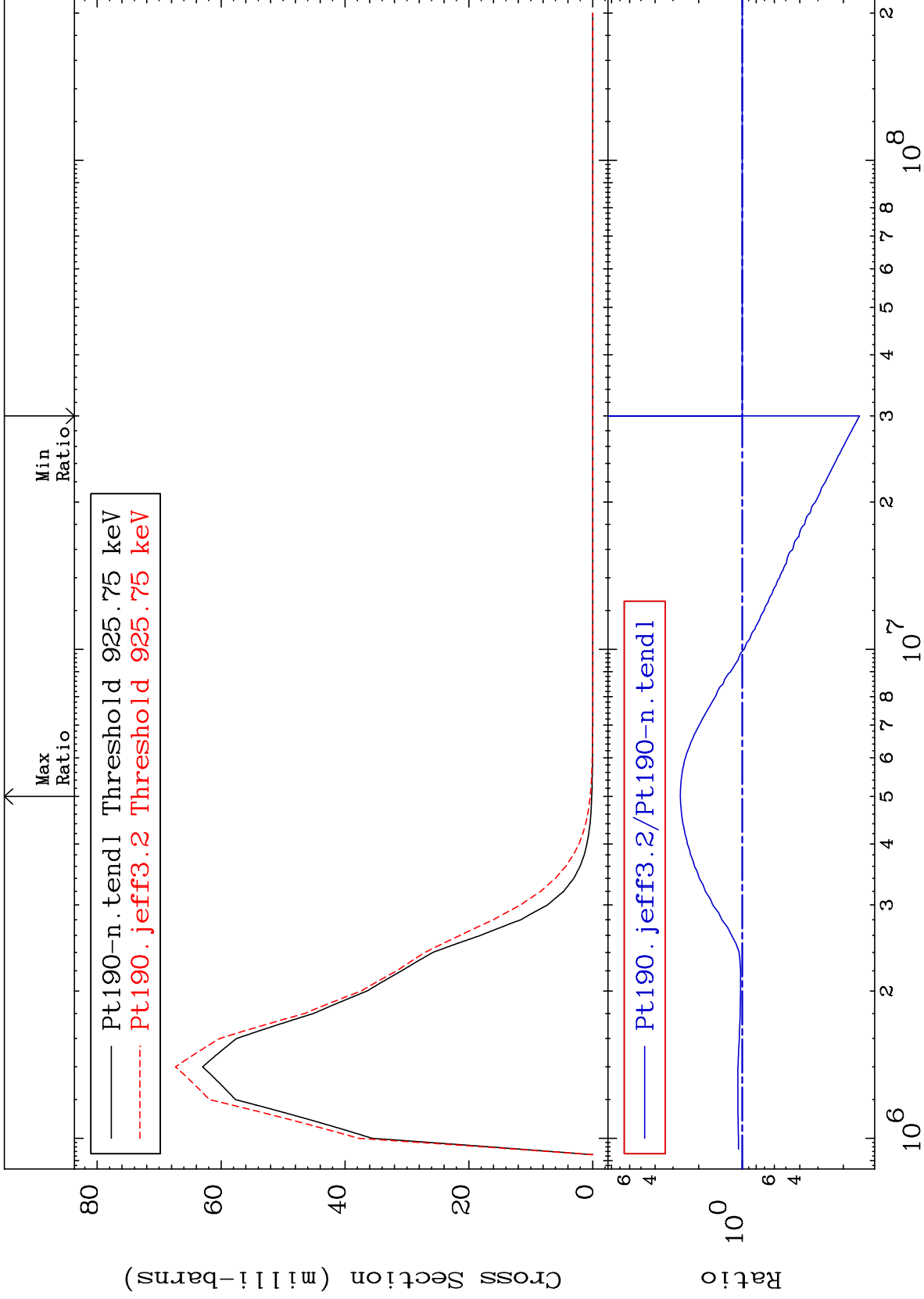
Incident Energy (eV)

78-Pt-190

MAT 7825

920.9 keV (n,n') Level
Cross Section

78-Pt-190
-84.51 To 167.4 %



25

Incident Energy (eV)

78-Pt-190

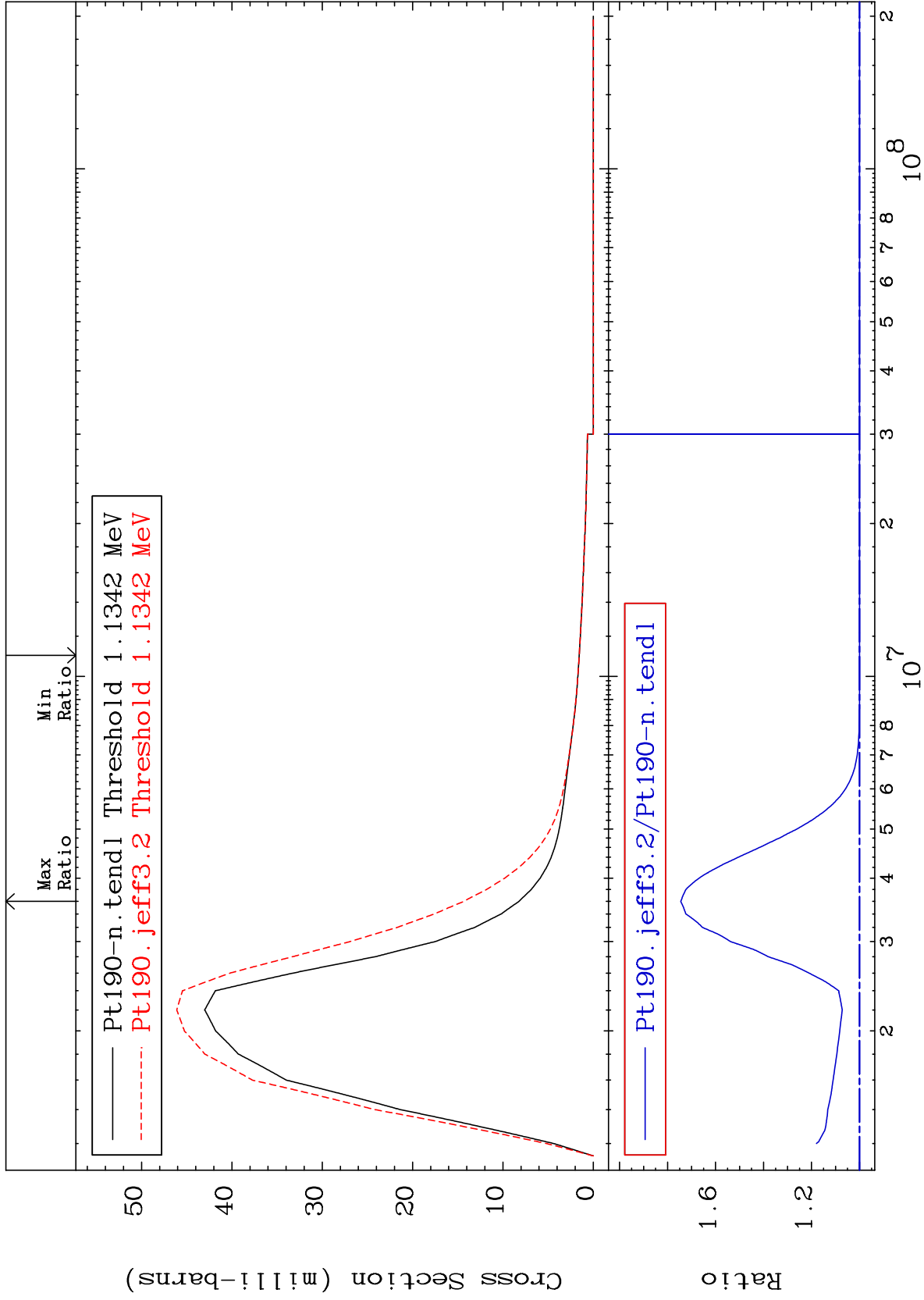
MAT 7825

1.128 MeV (n,n') Level

78-Pt-190

-0.001 To 74.51 %

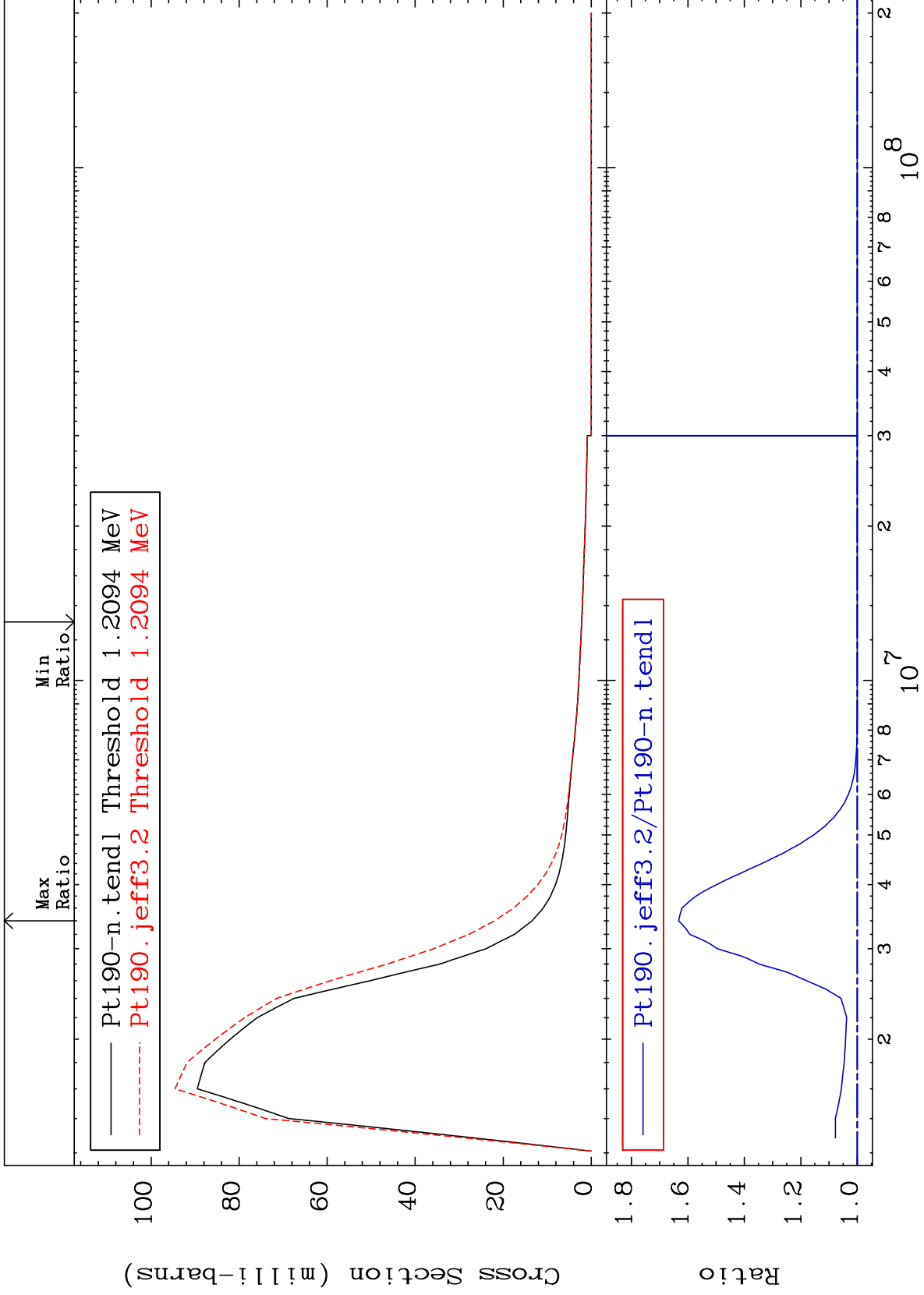
Cross Section



MAT 7825

1.203 MeV (n,n') Level
Cross Section

78-Pt-190
To 63.27 %



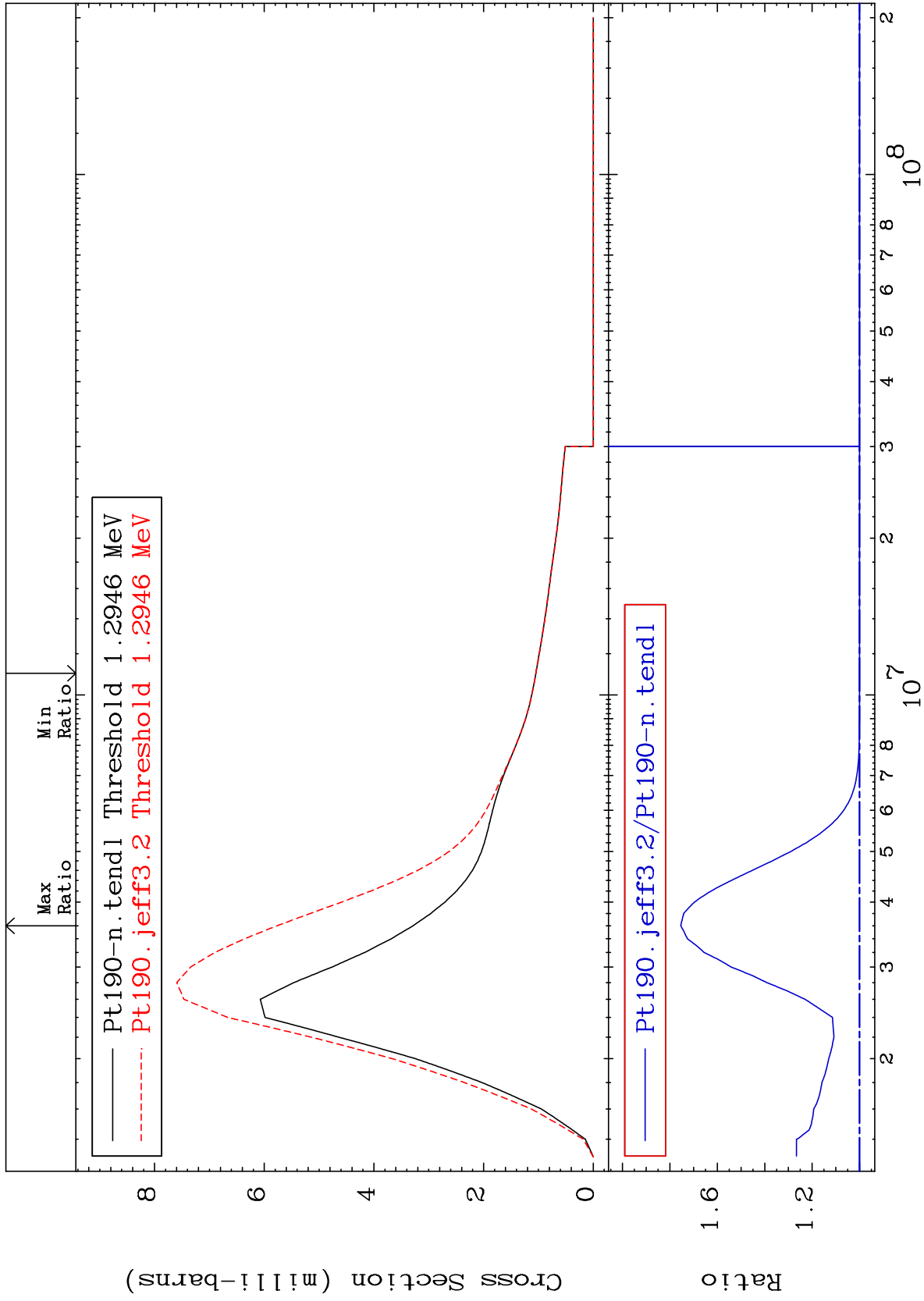
MAT 7825

1.288 MeV (n,n') Level

78-Pt-190

-0.002 To 75.43 %

Cross Section

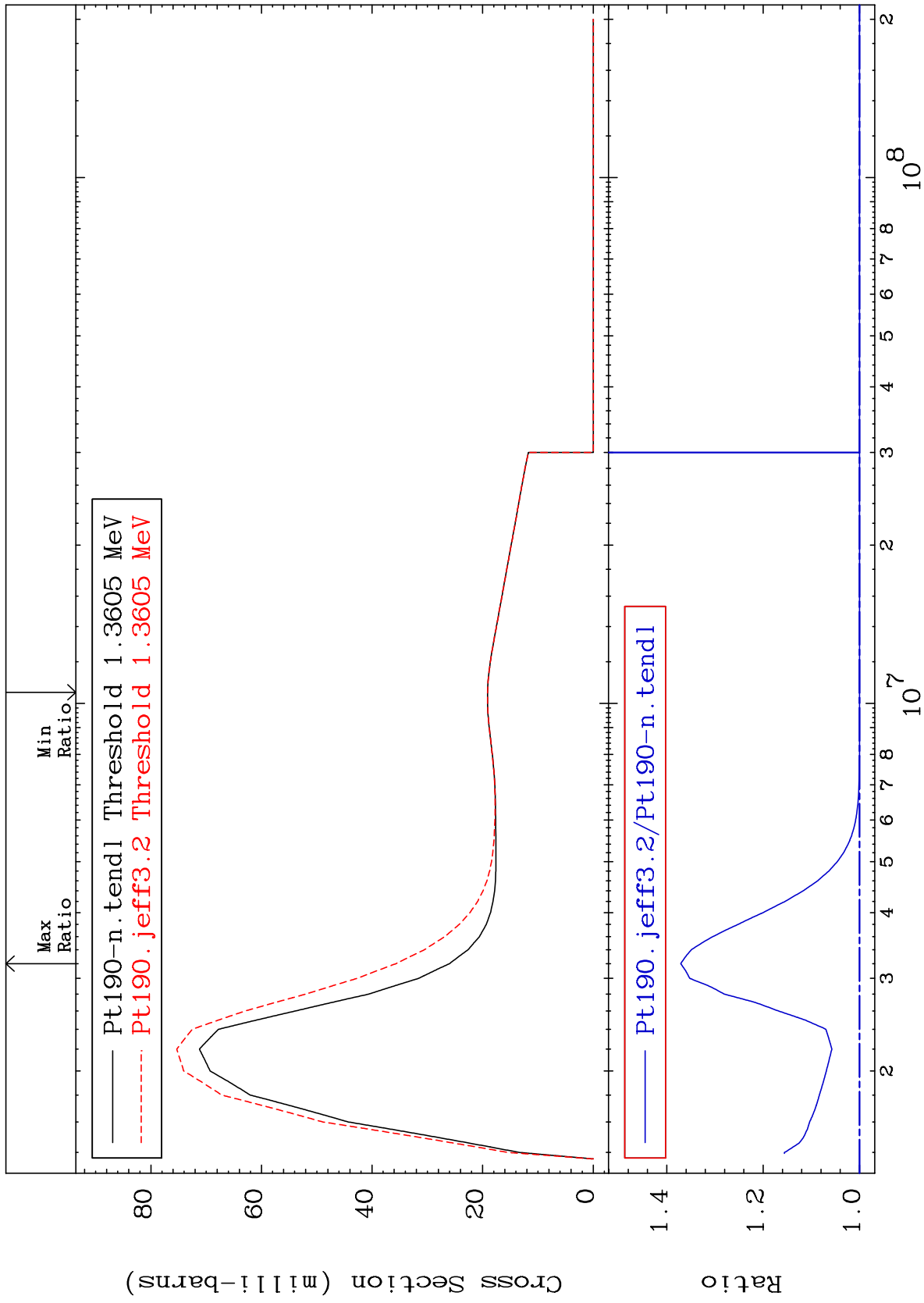


28

Incident Energy (eV)

78-Pt-190

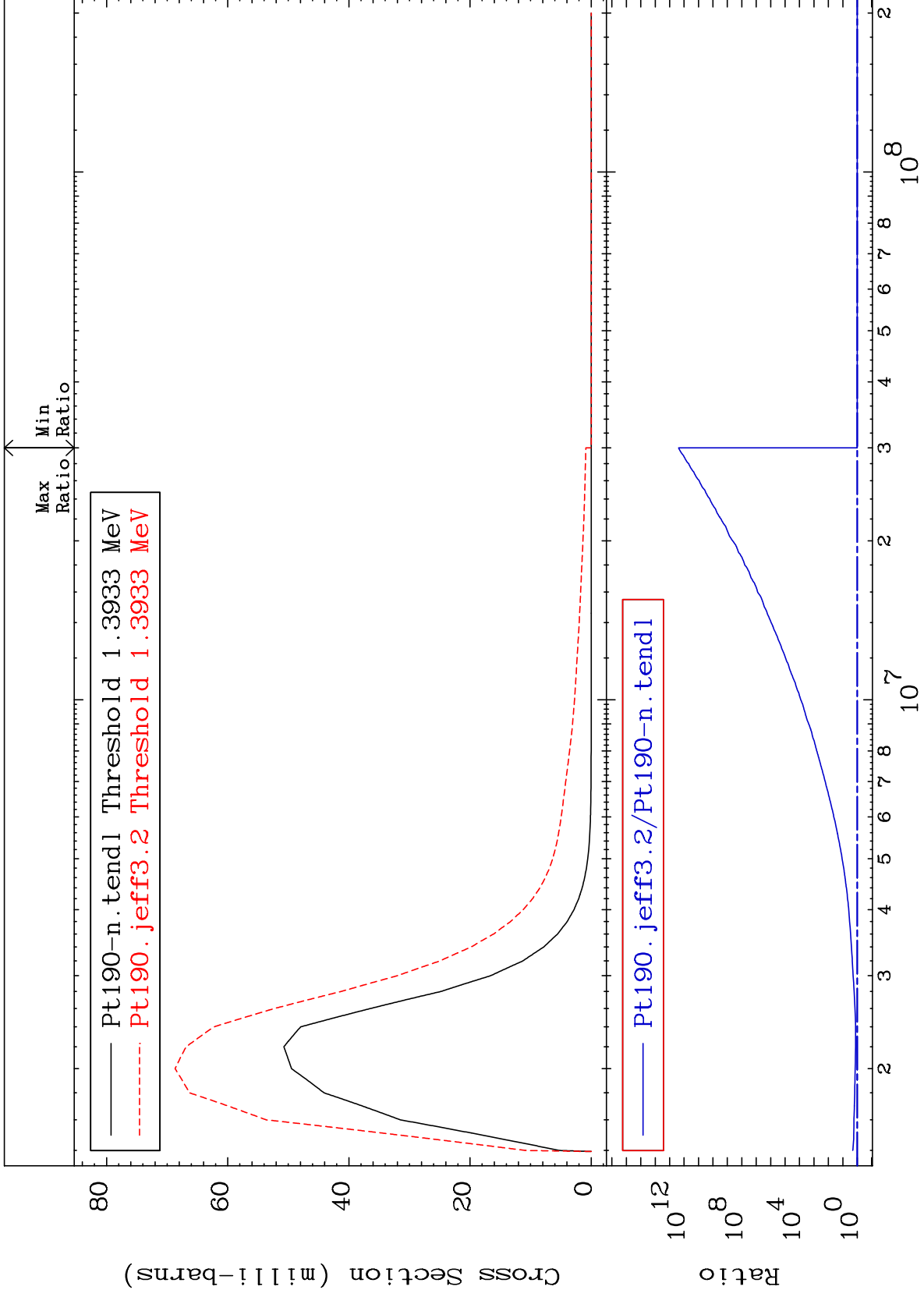
MAT 7825 1.353 MeV (n,n') Level Cross Section 78-Pt-190 To 37.10 %



MAT 7825

1.386 MeV (n,n') Level
Cross Section

78-Pt-190
To 9999. %
0.000



30

Incident Energy (eV)

78-Pt-190

MAT 7825

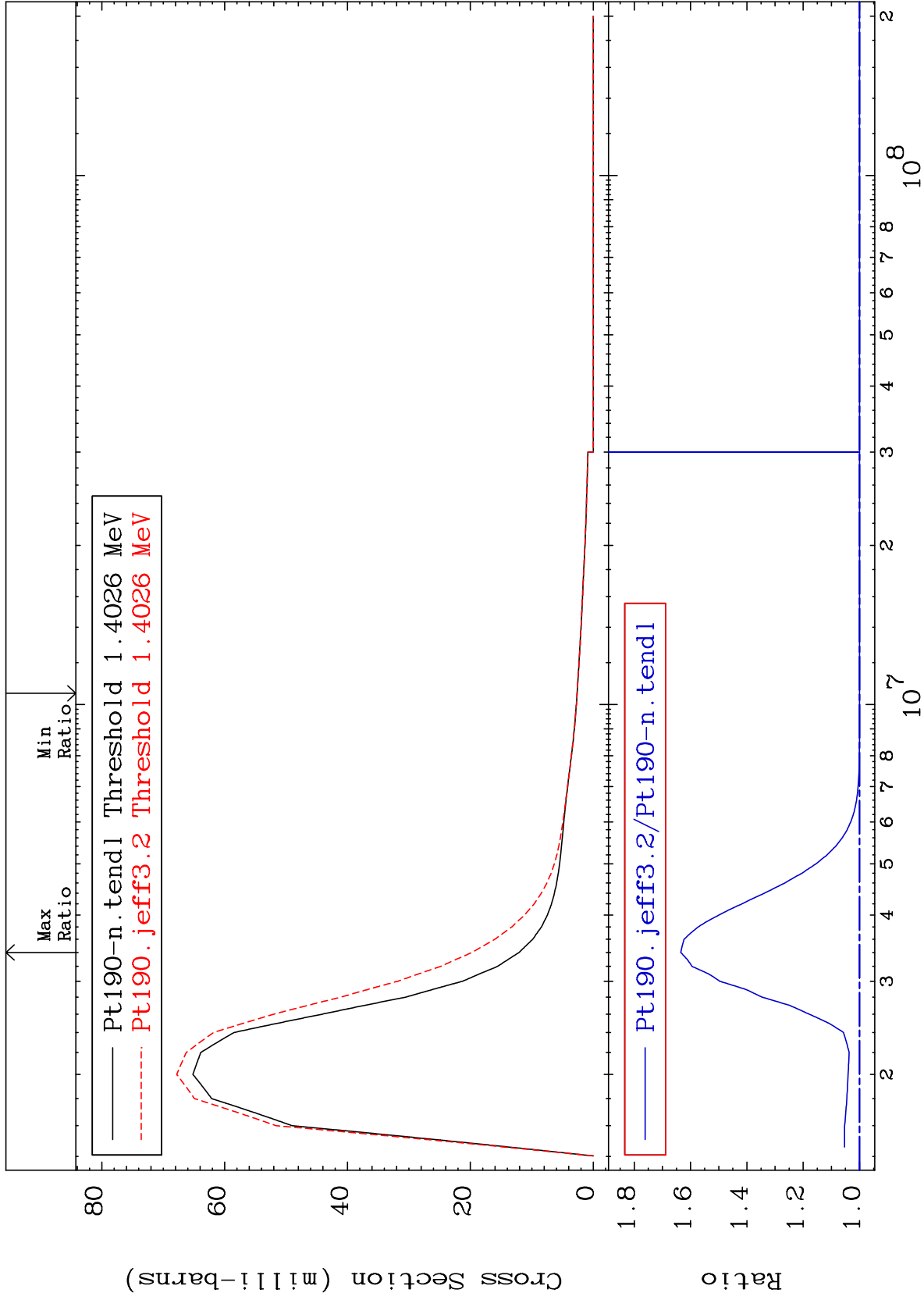
1.395 MeV (n,n') Level

78-Pt-190

0.000

To 63.49 %

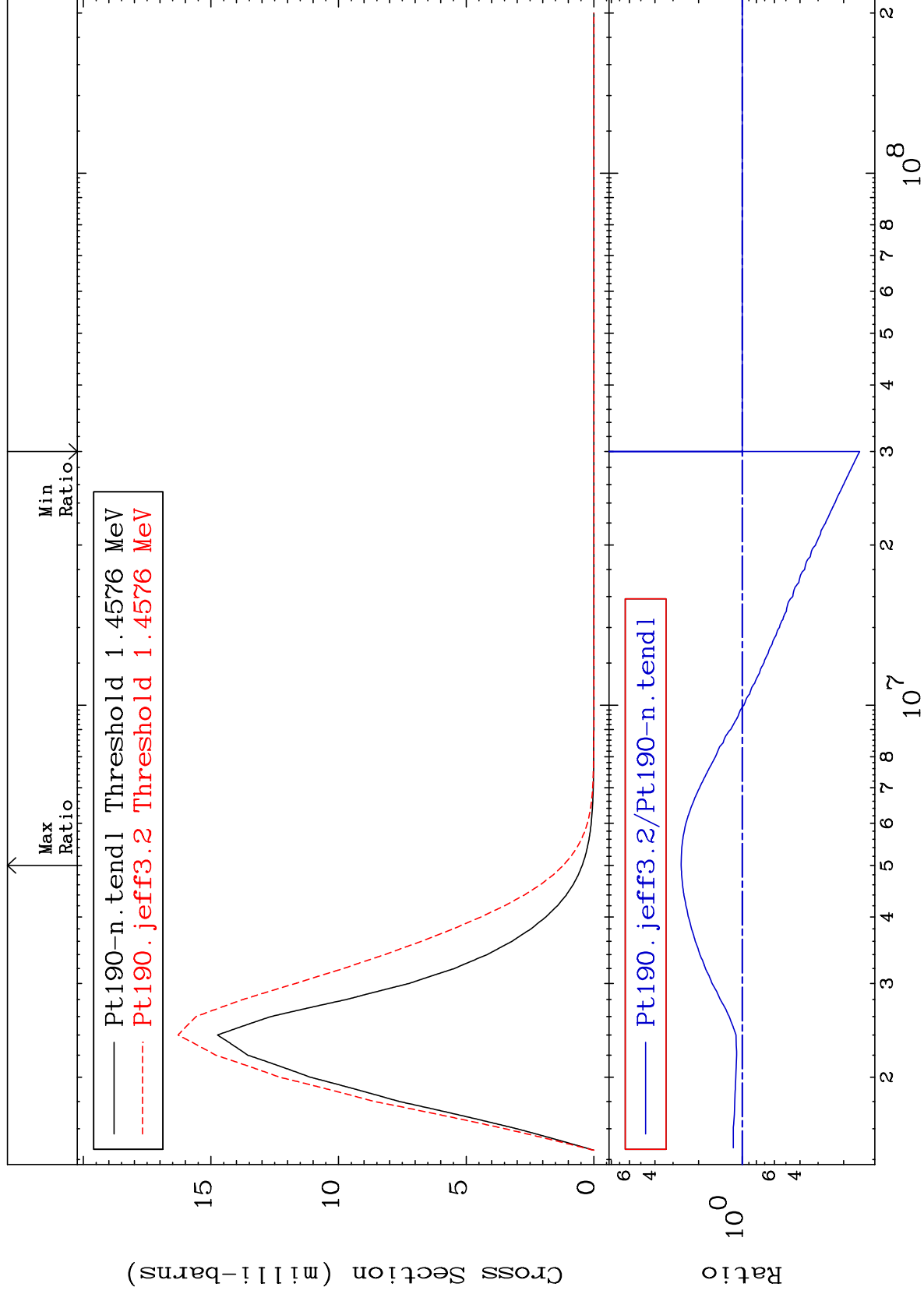
Cross Section



MAT 7825

1.450 MeV (n,n') Level
Cross Section

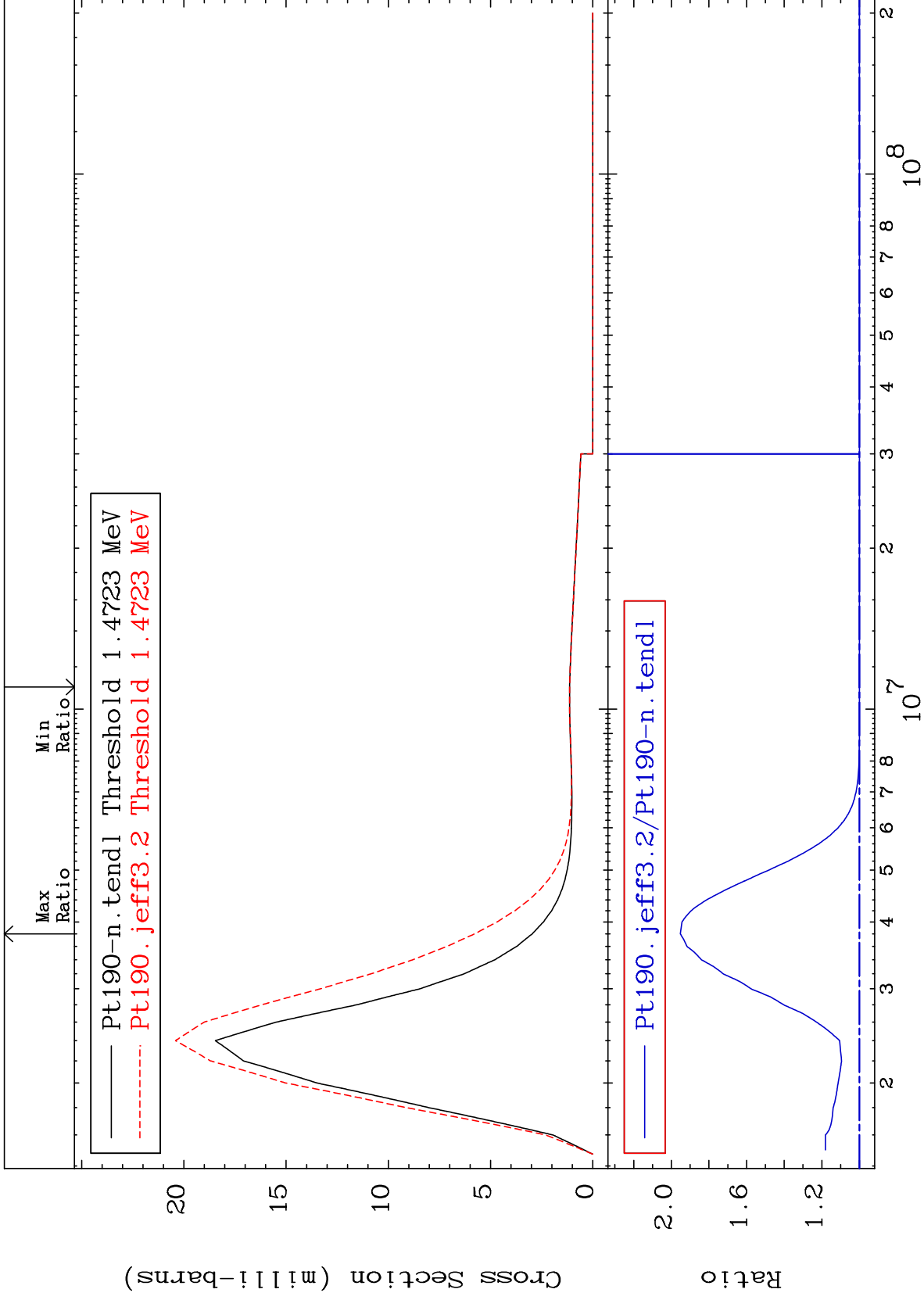
78-Pt-190
-84.49 To 163.6 %



MAT 7825

1.465 MeV (n,n') Level
Cross Section

78-Pt-190
-0.002 To 95.21 %



MAT 7825

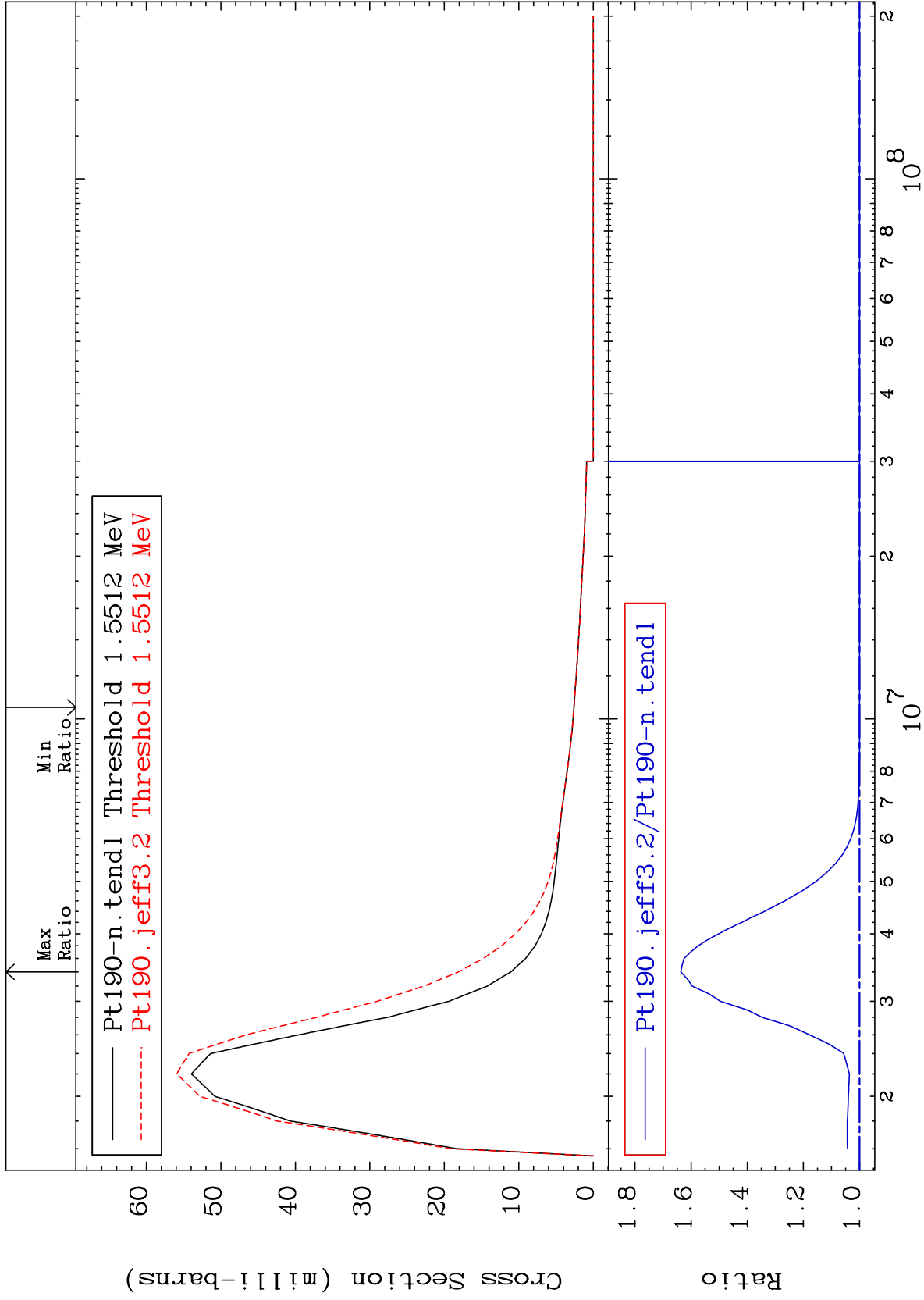
1.543 MeV (n,n') Level

78-Pt-190

0.000

To 63.69 %

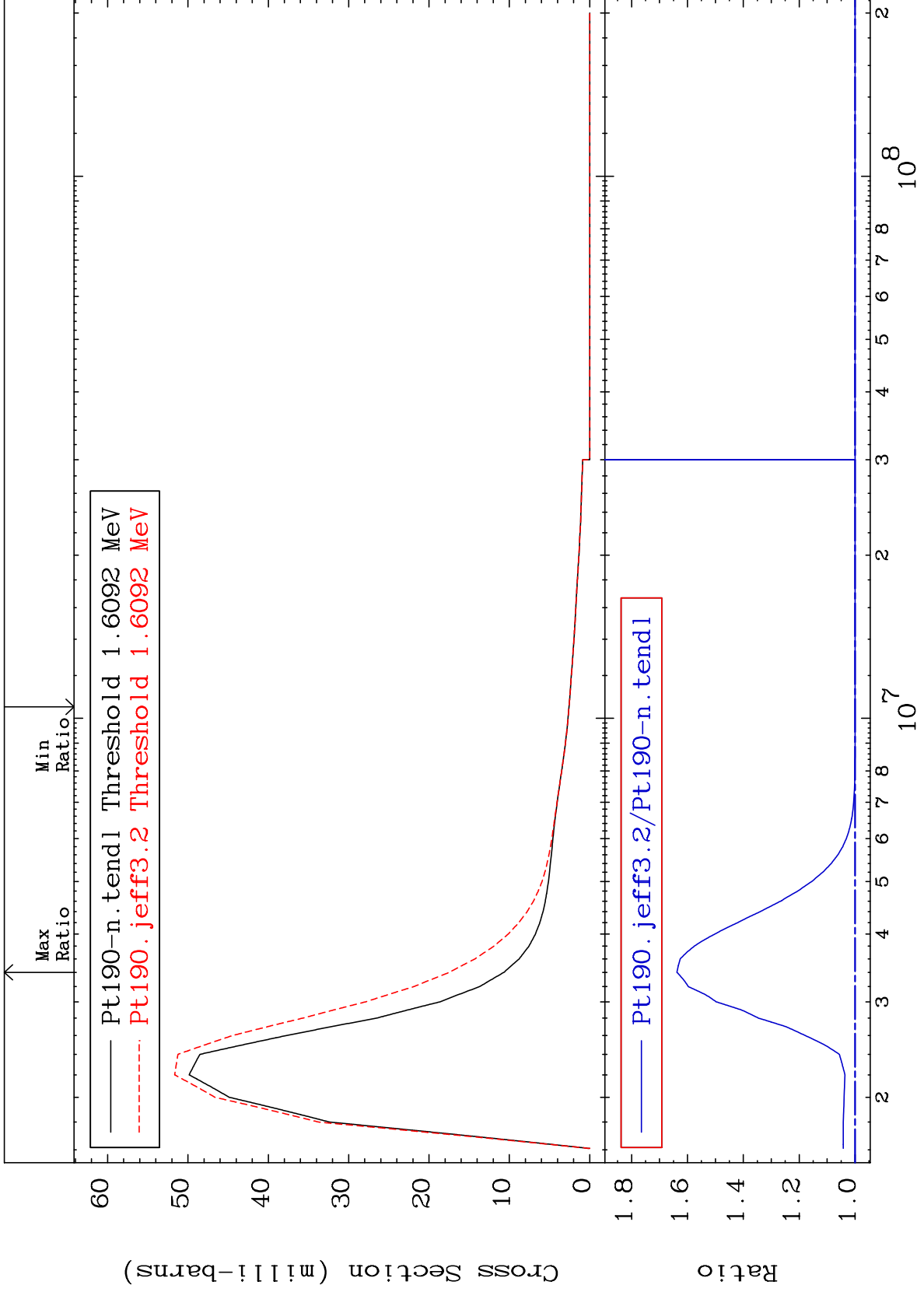
Cross Section



MAT 7825

1.601 MeV (n,n') Level
Cross Section

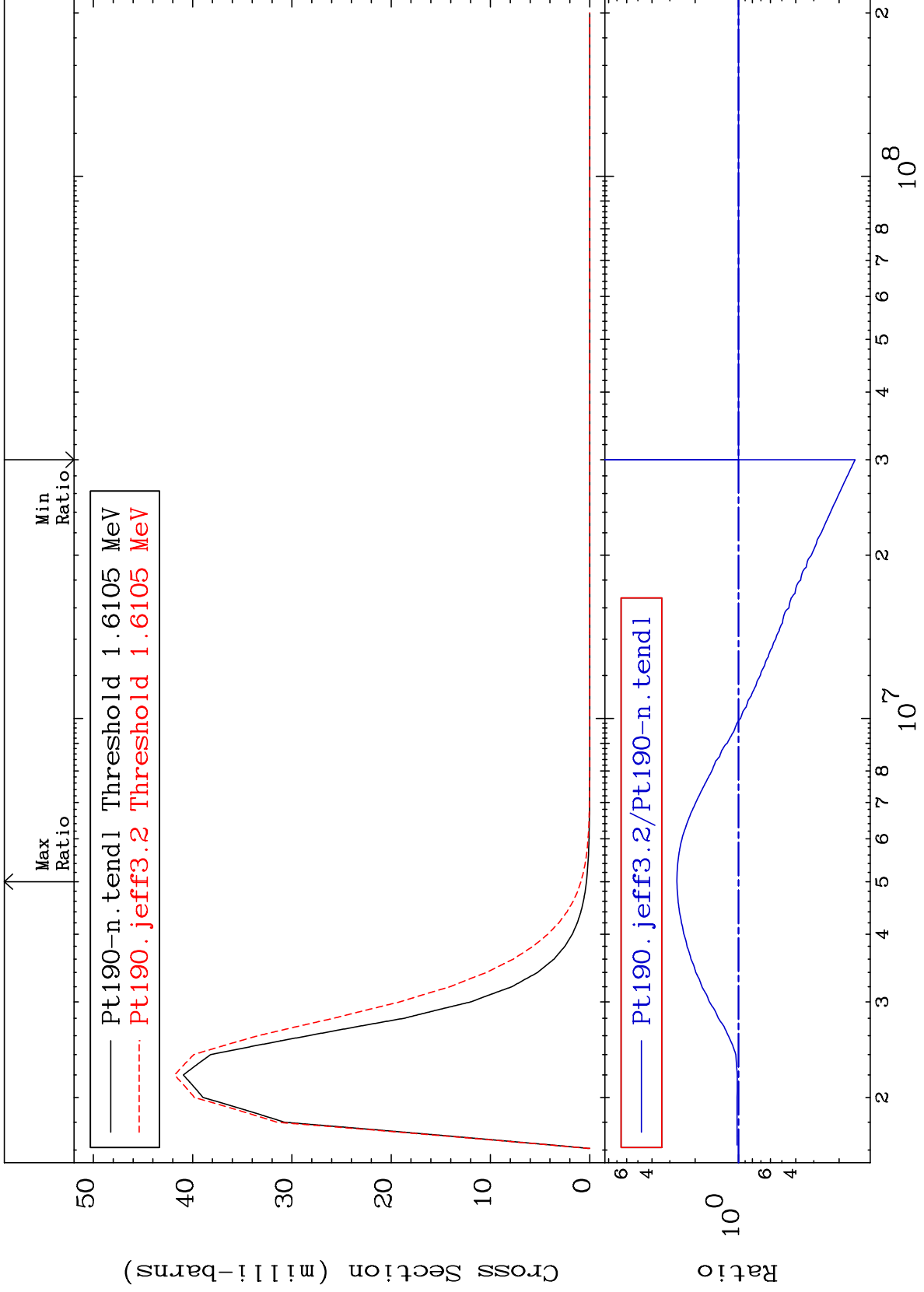
78-Pt-190
0.000 To 63.77 %



MAT 7825

1.602 MeV (n,n') Level
Cross Section

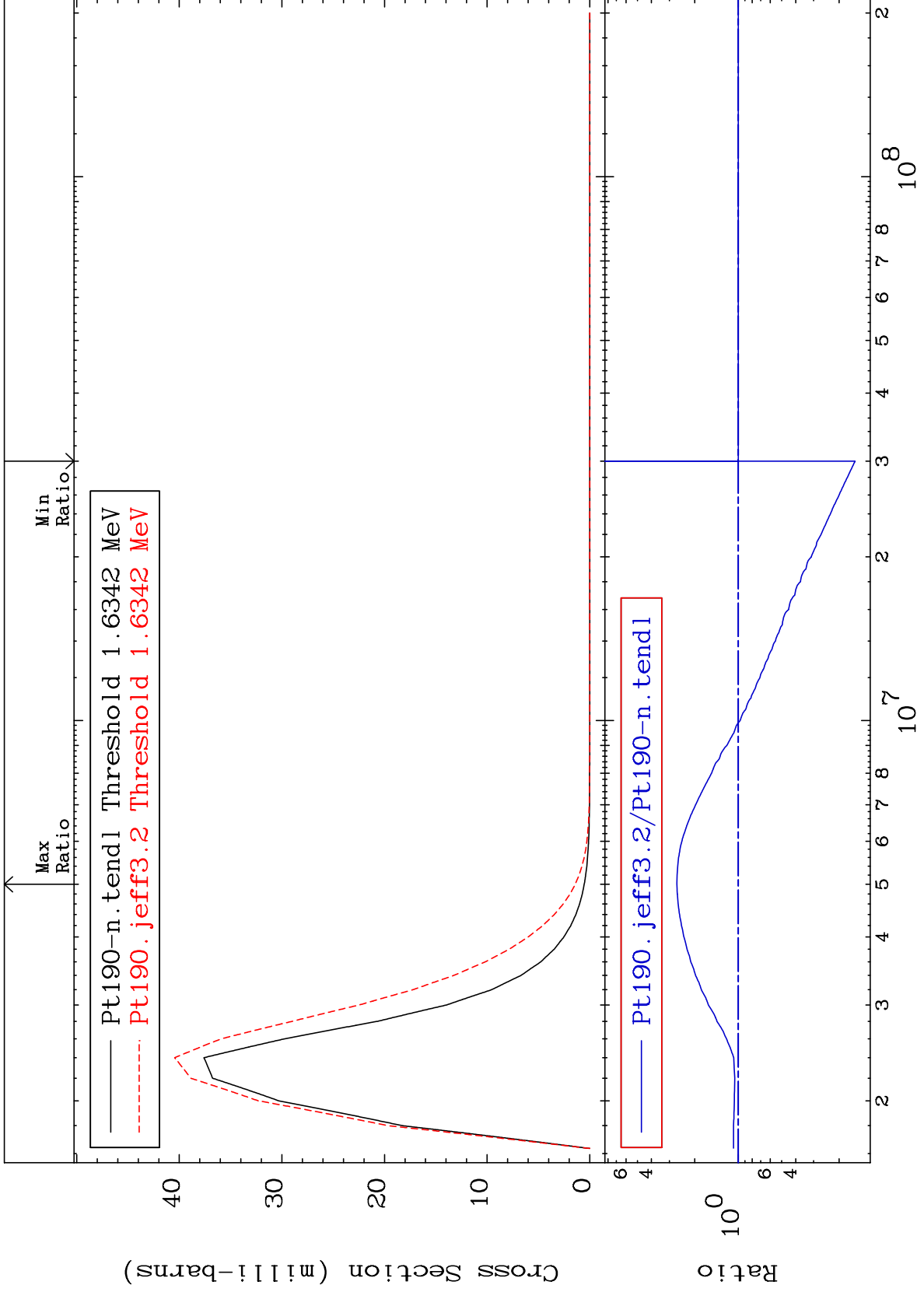
78-Pt-190
-84.52 To 168.0 %



MAT 7825

1.626 MeV (n,n') Level
Cross Section

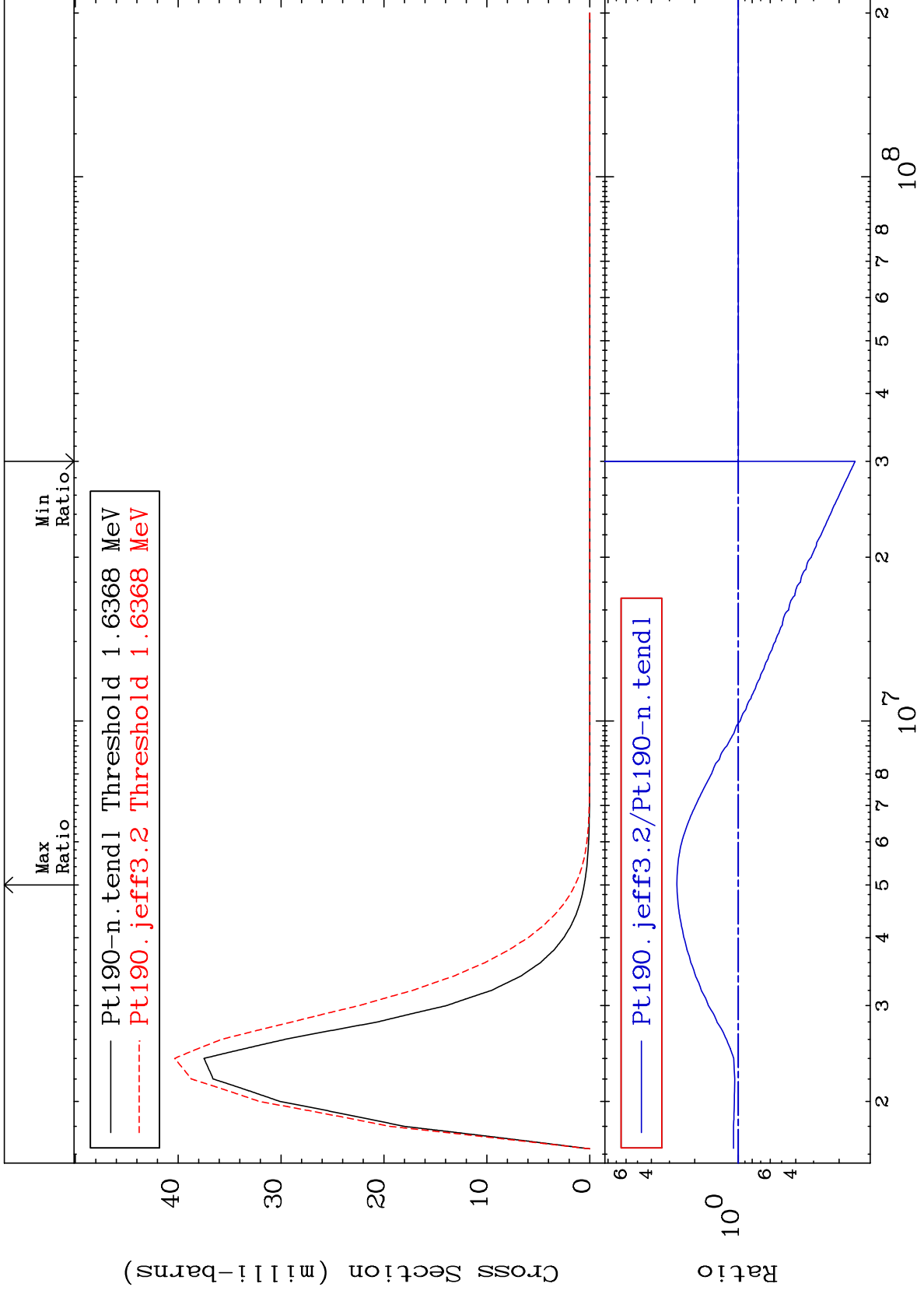
78-Pt-190
-84.51 To 166.1 %



MAT 7825

1.628 MeV (n,n') Level
Cross Section

78-Pt-190
-84.51 To 166.1 %



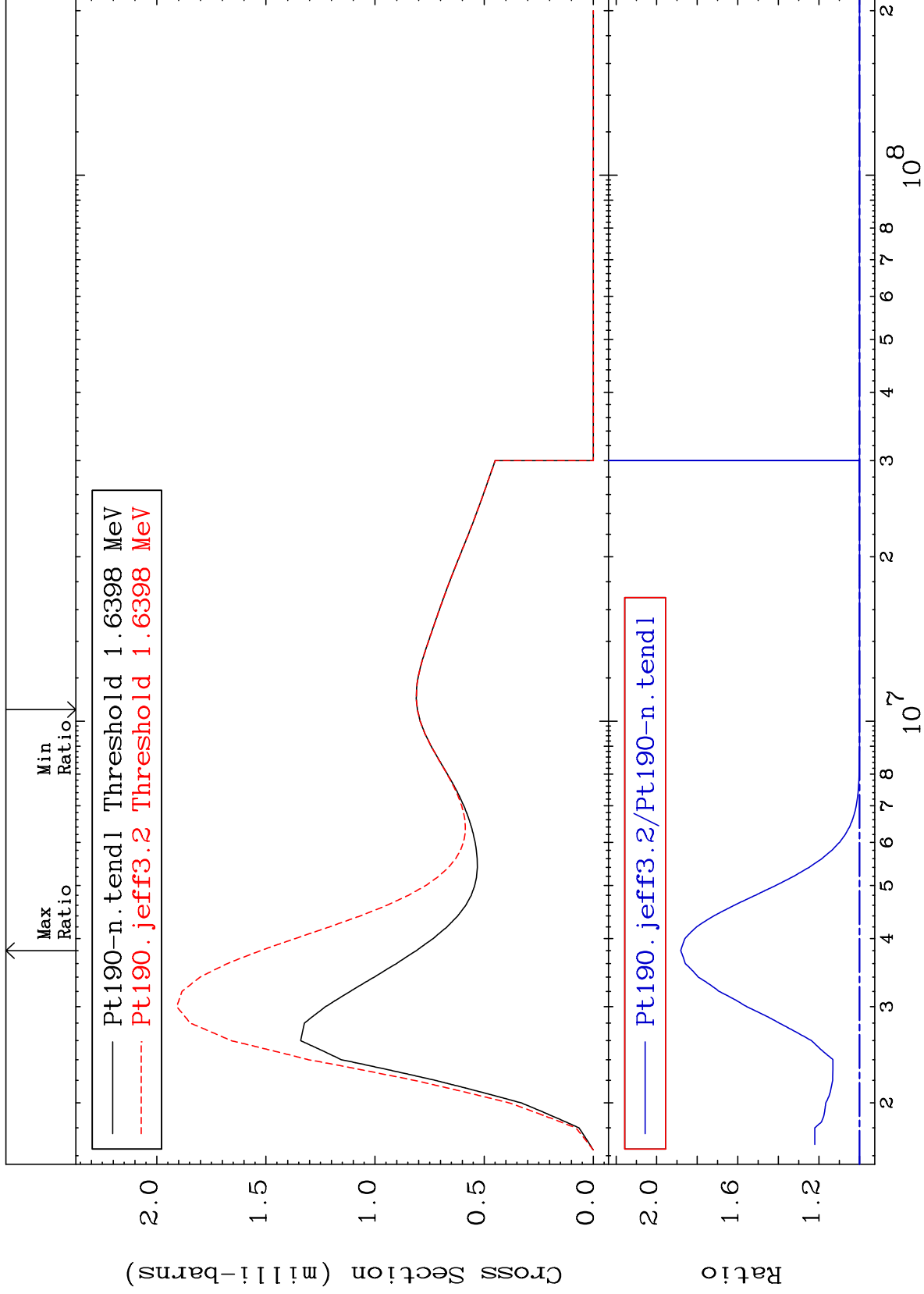
MAT 7825

1.631 MeV (n,n') Level

78-Pt-190

Cross Section

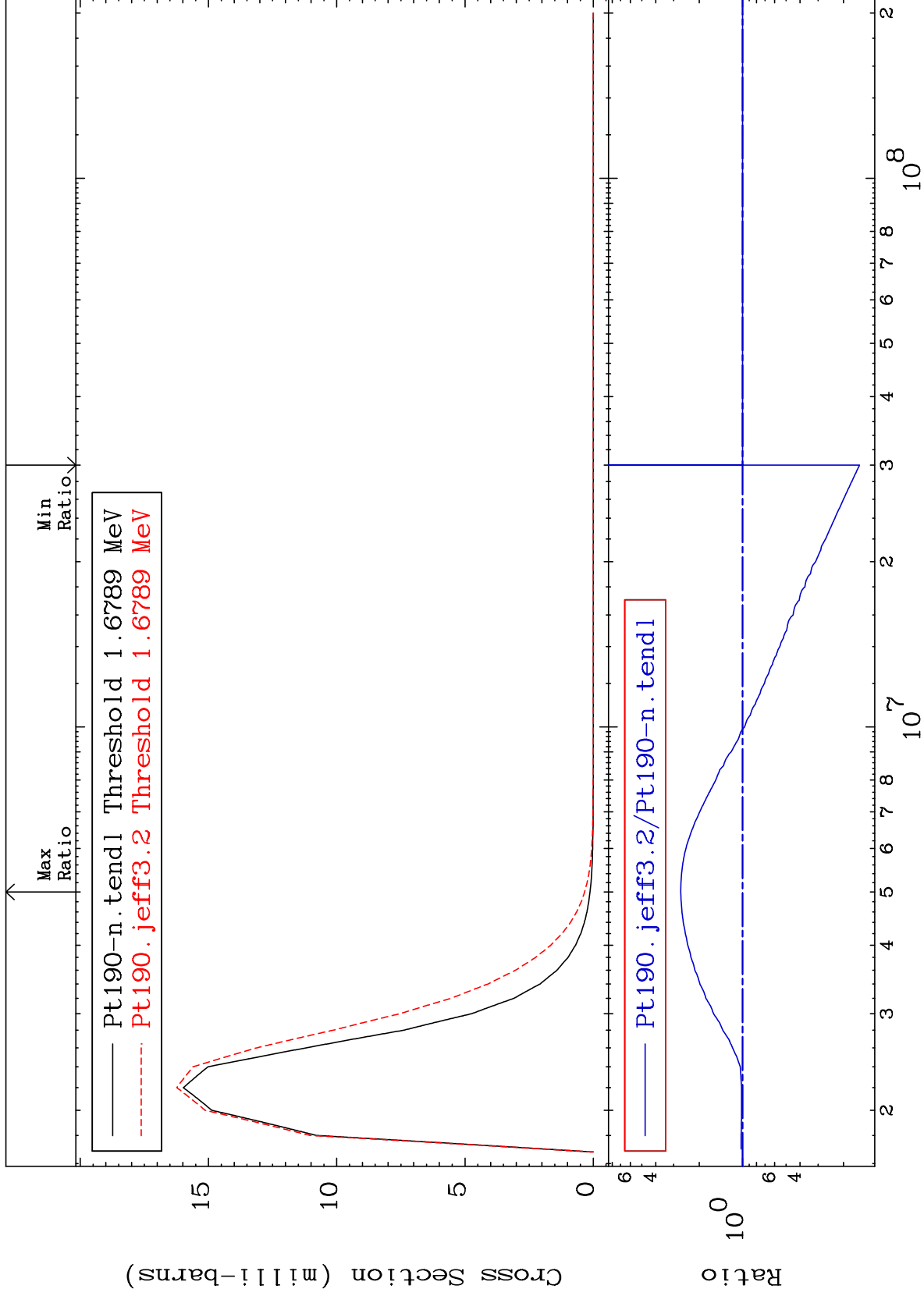
-0.002 To 88.12 %



MAT 7825

1.670 MeV (n,n') Level
Cross Section

78-Pt-190
-84.52 To 168.1 %



40

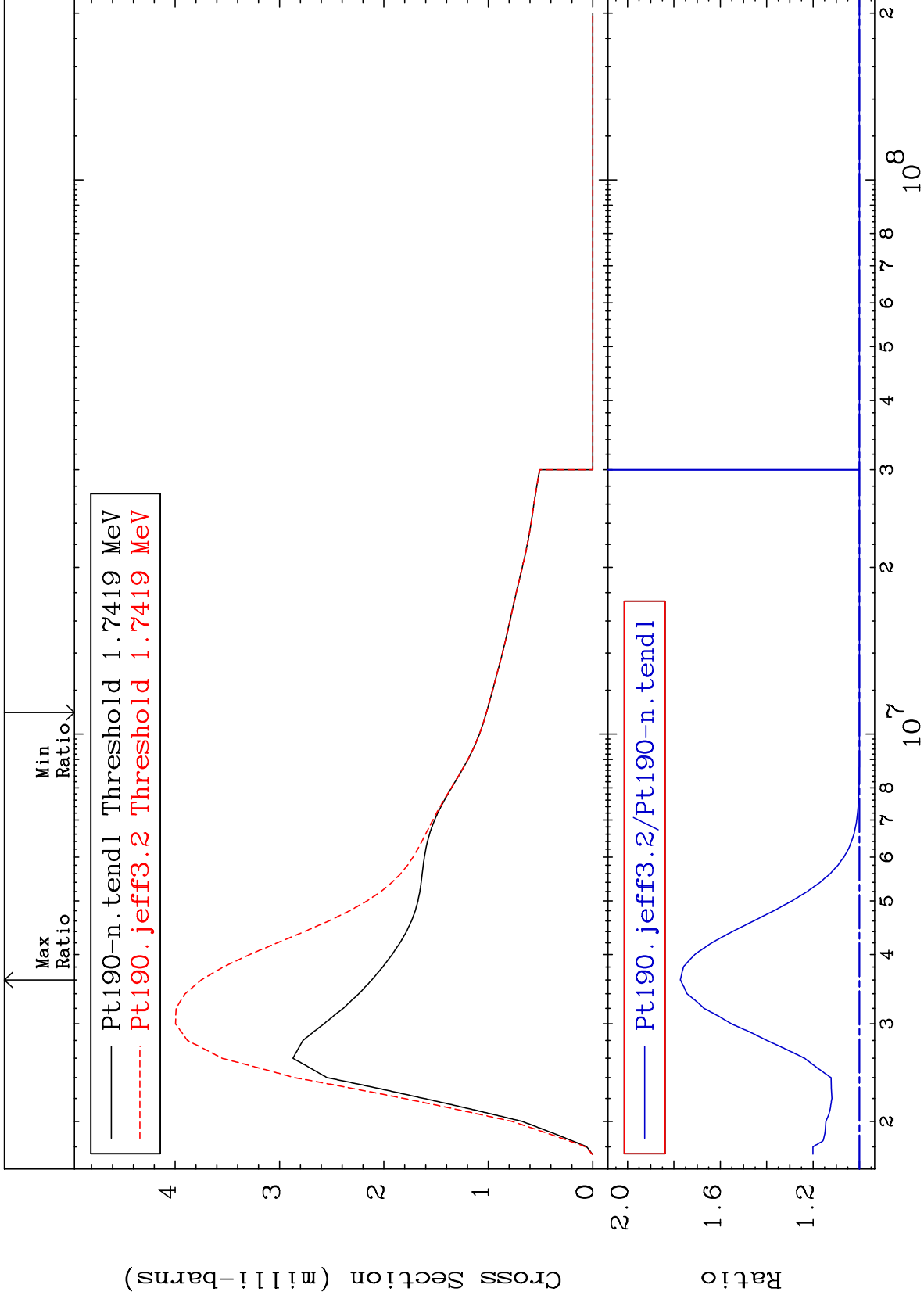
Incident Energy (eV)

78-Pt-190

MAT 7825

1.733 MeV (n,n') Level
Cross Section

78-Pt-190
-0.002 To 77.22 %



41

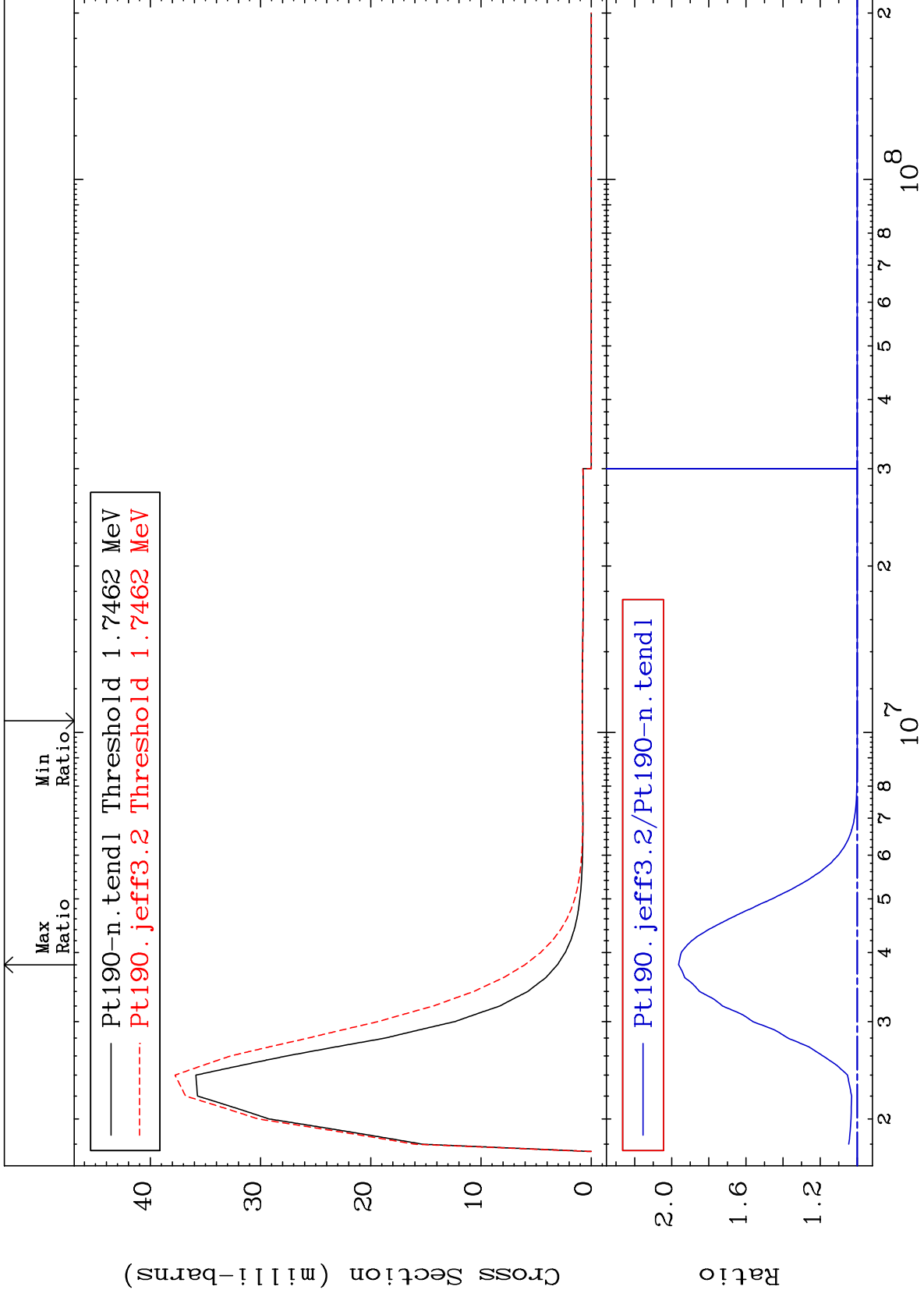
Incident Energy (eV)

78-Pt-190

MAT 7825

1.737 MeV (n,n') Level
Cross Section

78-Pt-190
-0.001 To 96.27 %



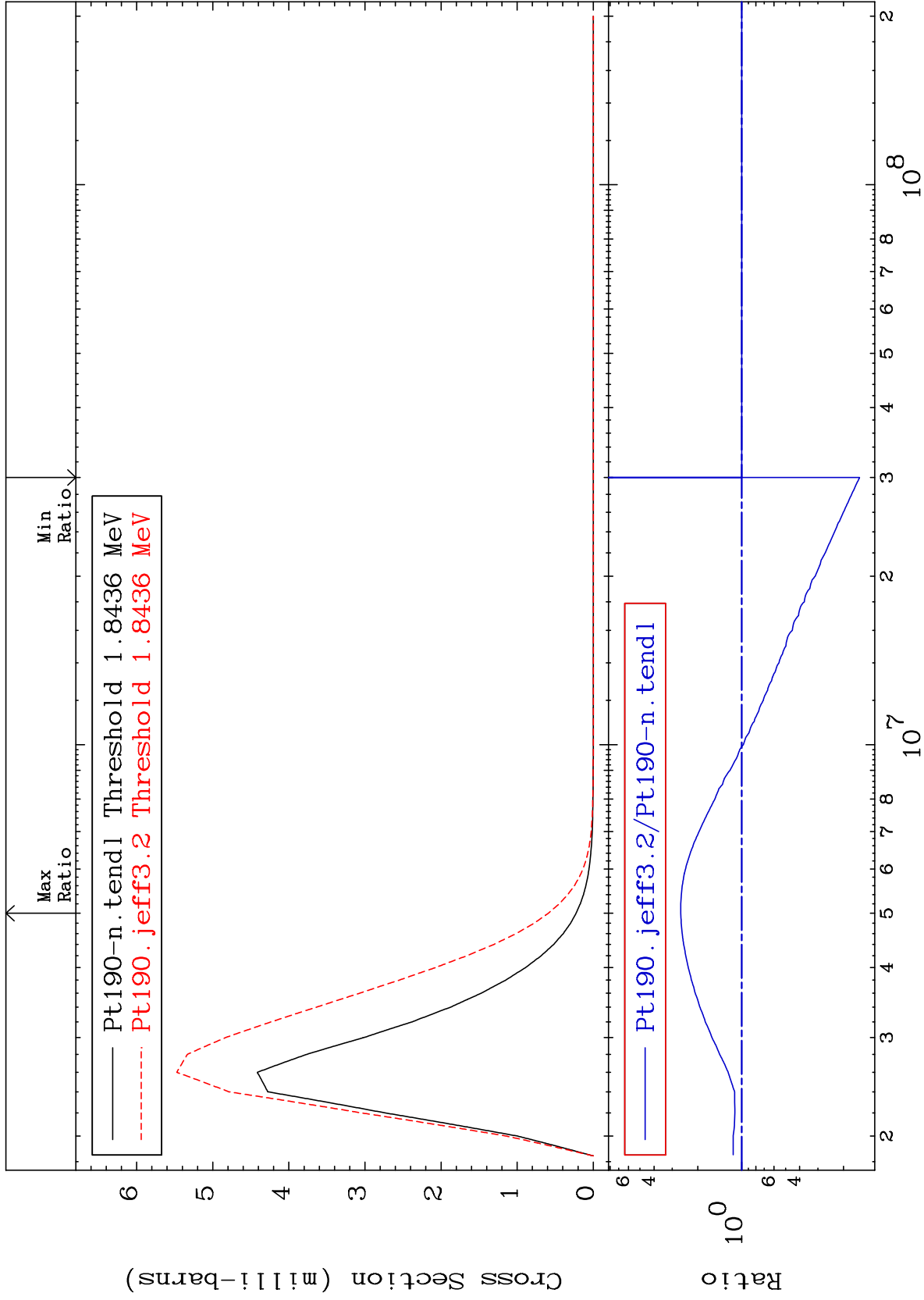
MAT 7825

1.834 MeV (n,n') Level

78-Pt-190

Cross Section

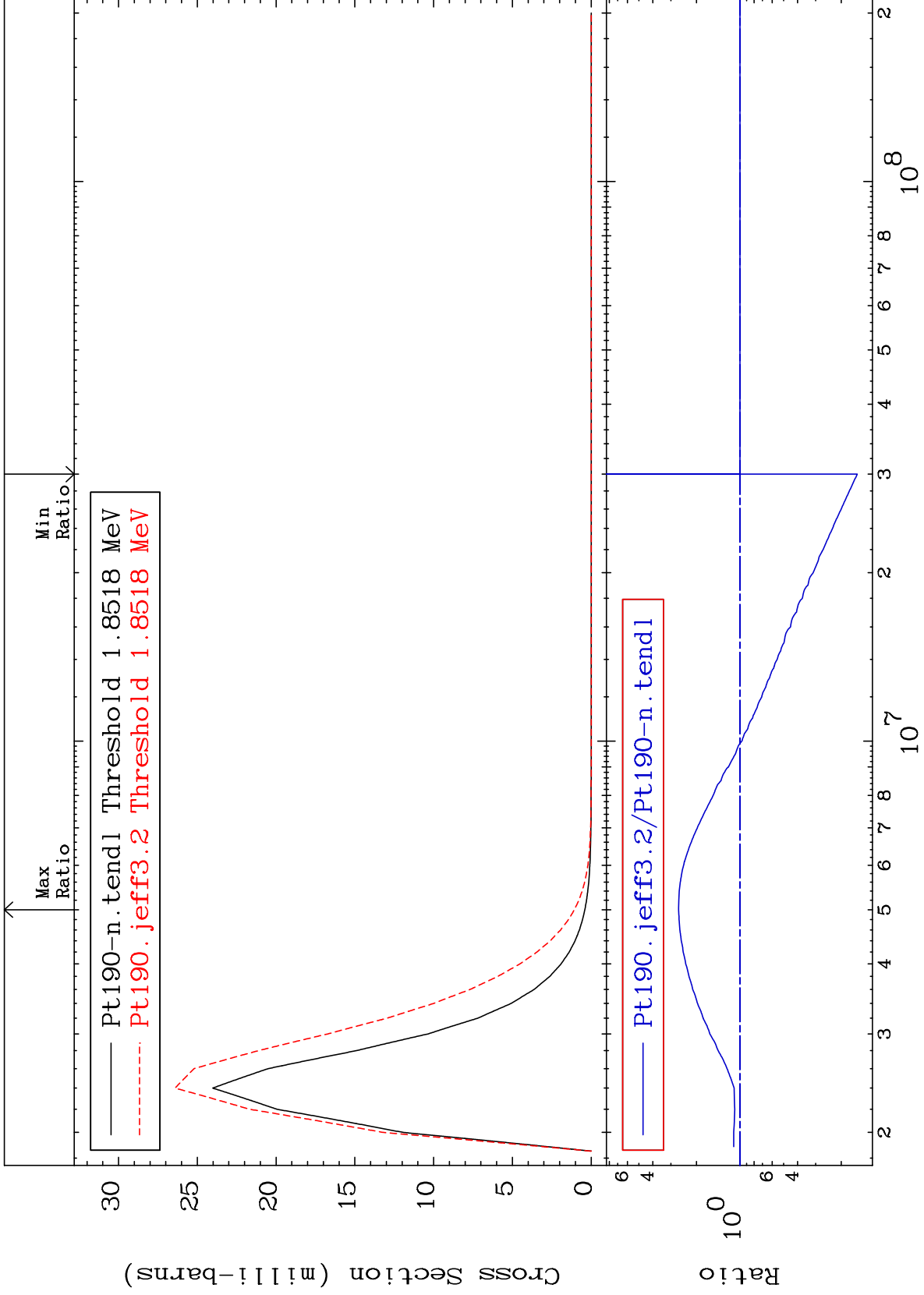
-84.48 To 162.2 %



MAT 7825

1.842 MeV (n,n') Level
Cross Section

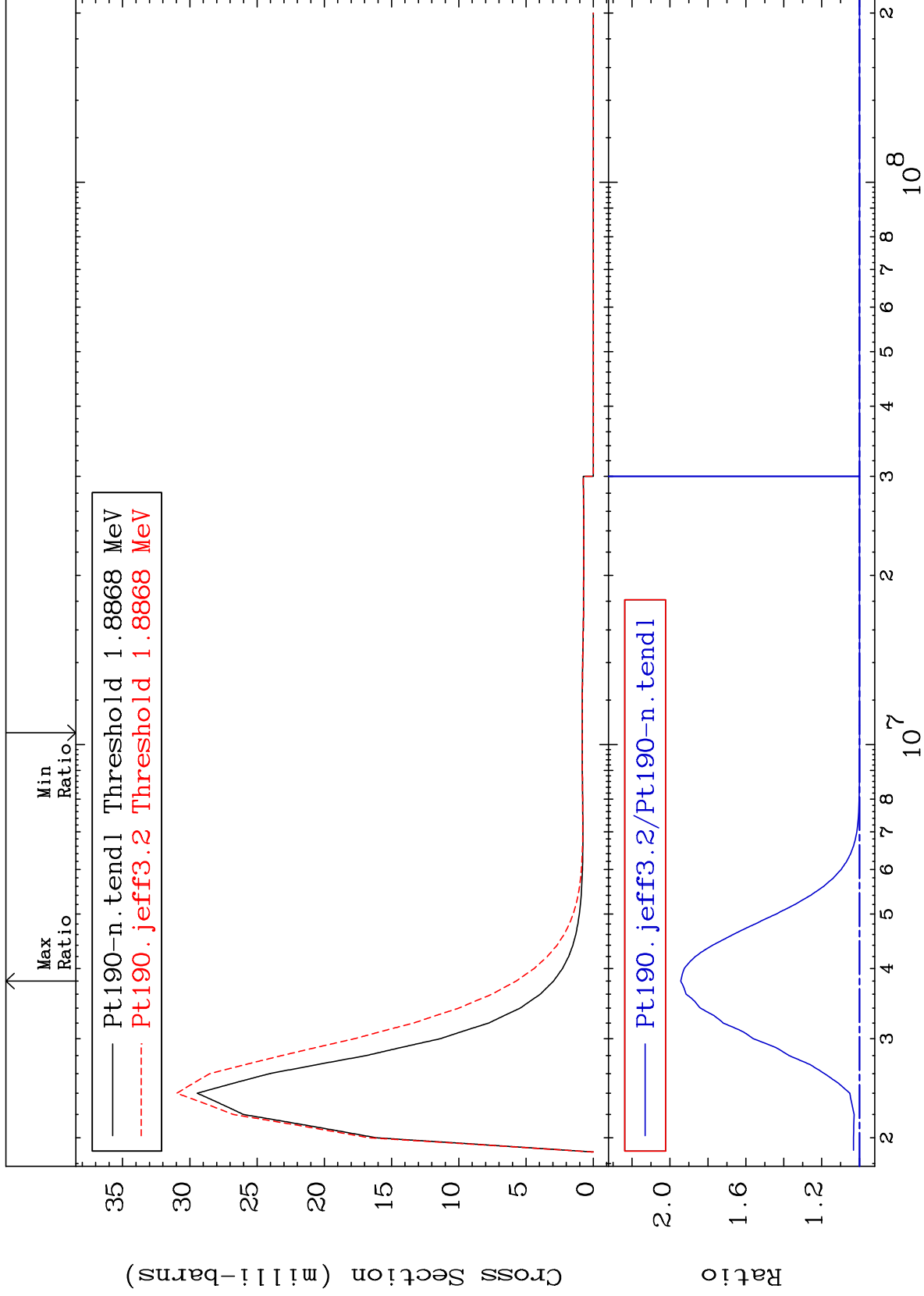
78-Pt-190
-84.50 To 165.4 %



MAT 7825

1.877 MeV (n,n') Level
Cross Section

78-Pt-190
-0.001 To 94.31 %



45

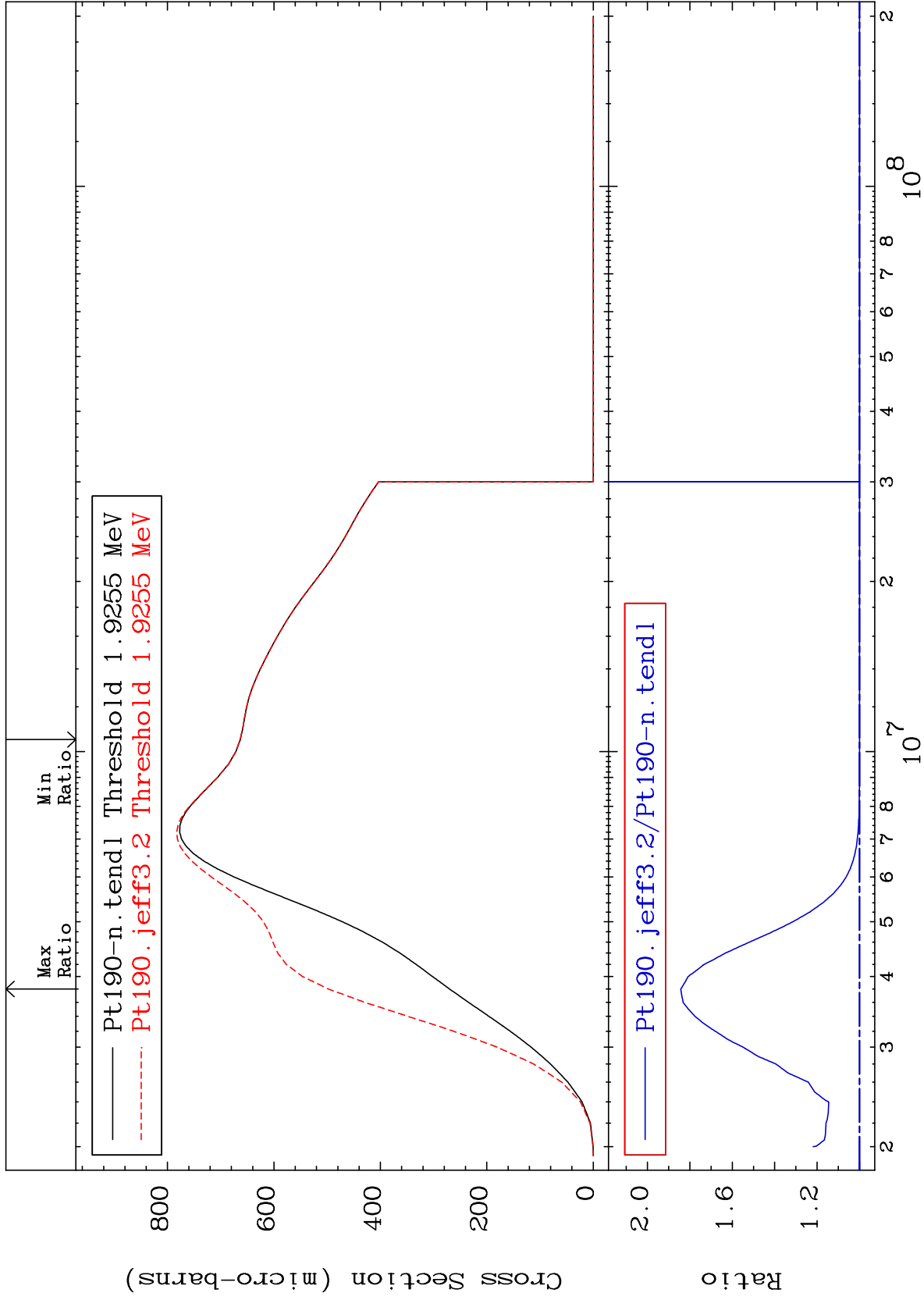
MAT 7825

1.915 MeV (n,n') Level

78-Pt-190

Cross Section

-0.002 To 84.29 %



46

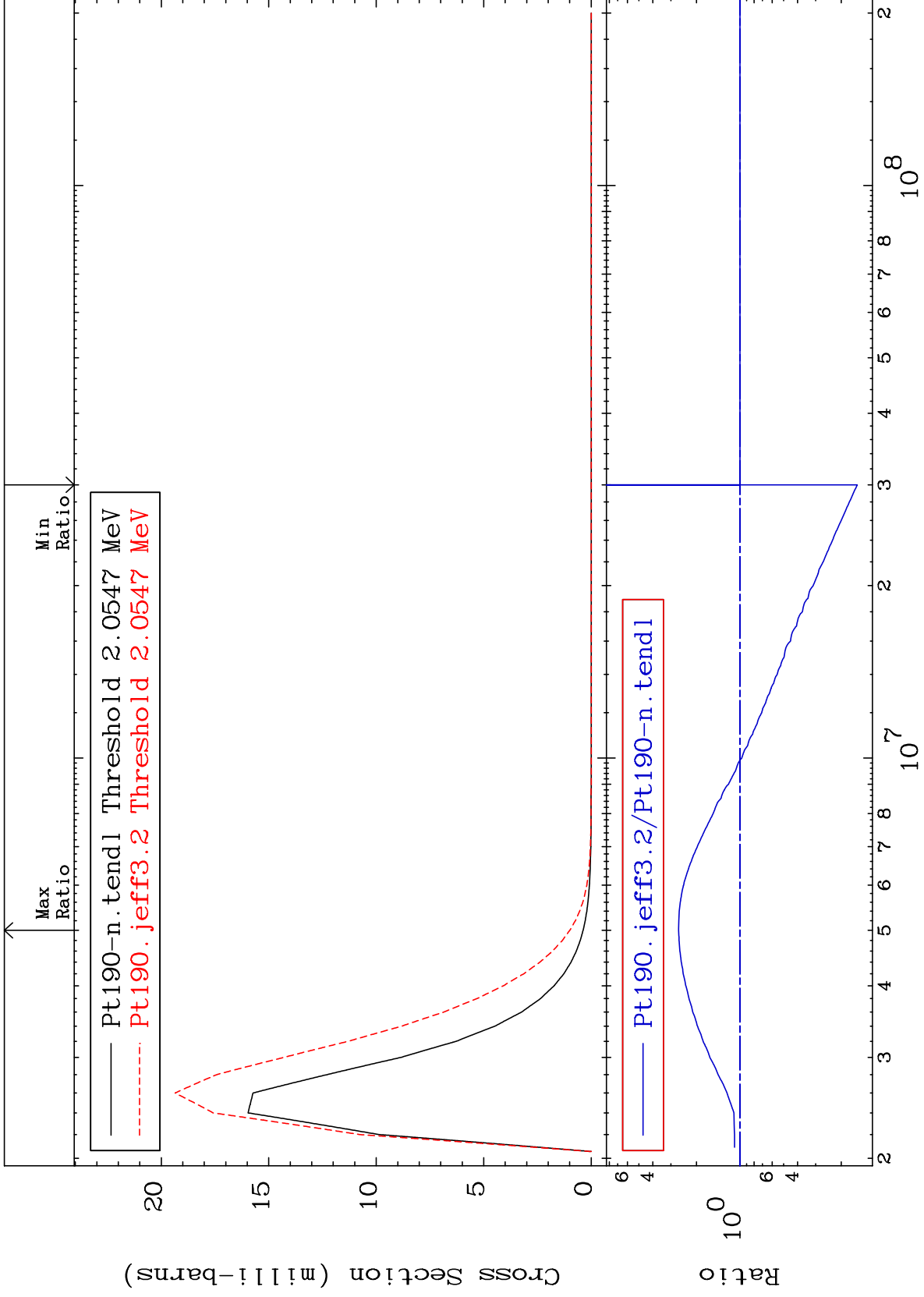
Incident Energy (eV)

78-Pt-190

MAT 7825

2.044 MeV (n,n') Level
Cross Section

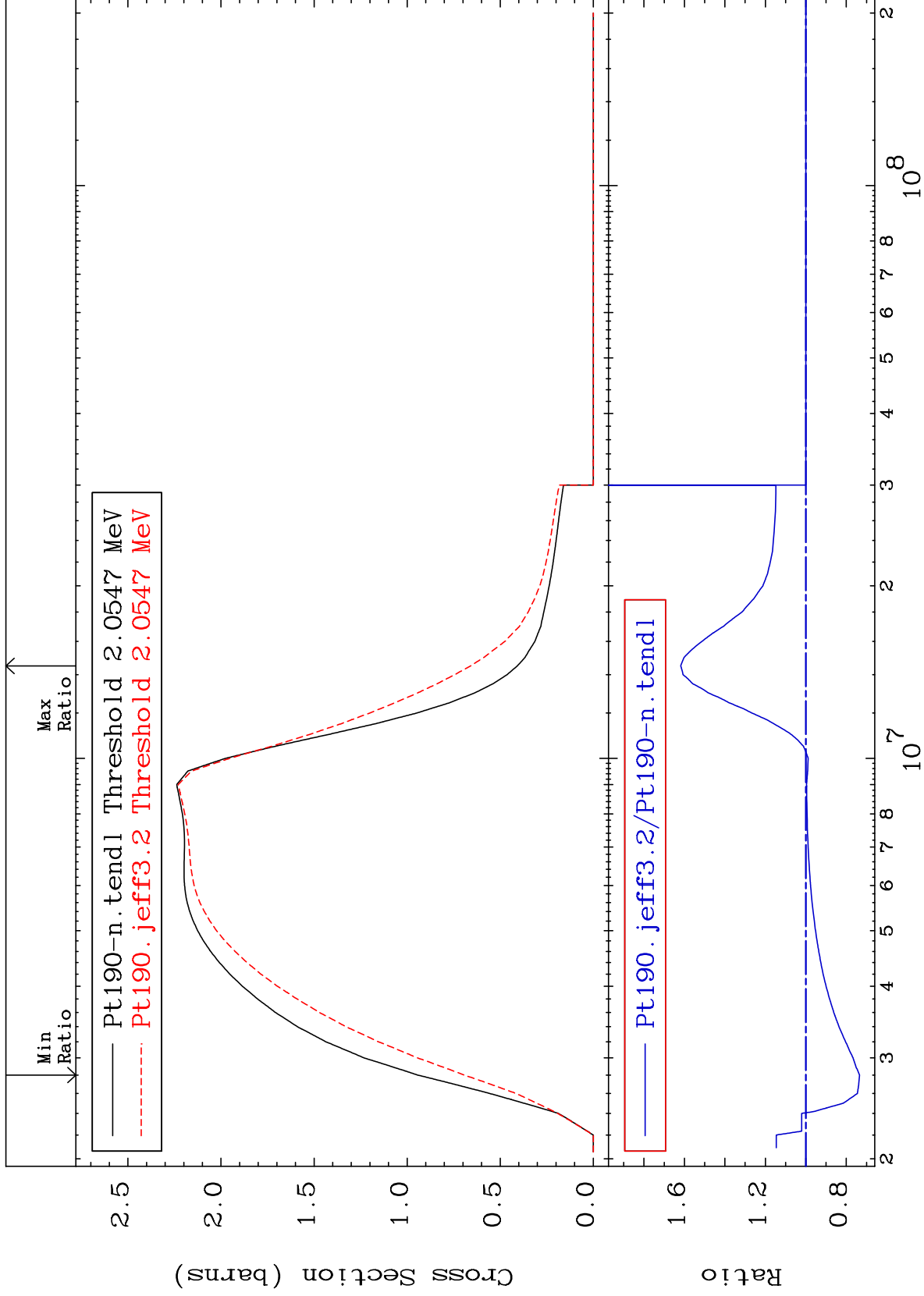
78-Pt-190
-84.50 To 165.4 %

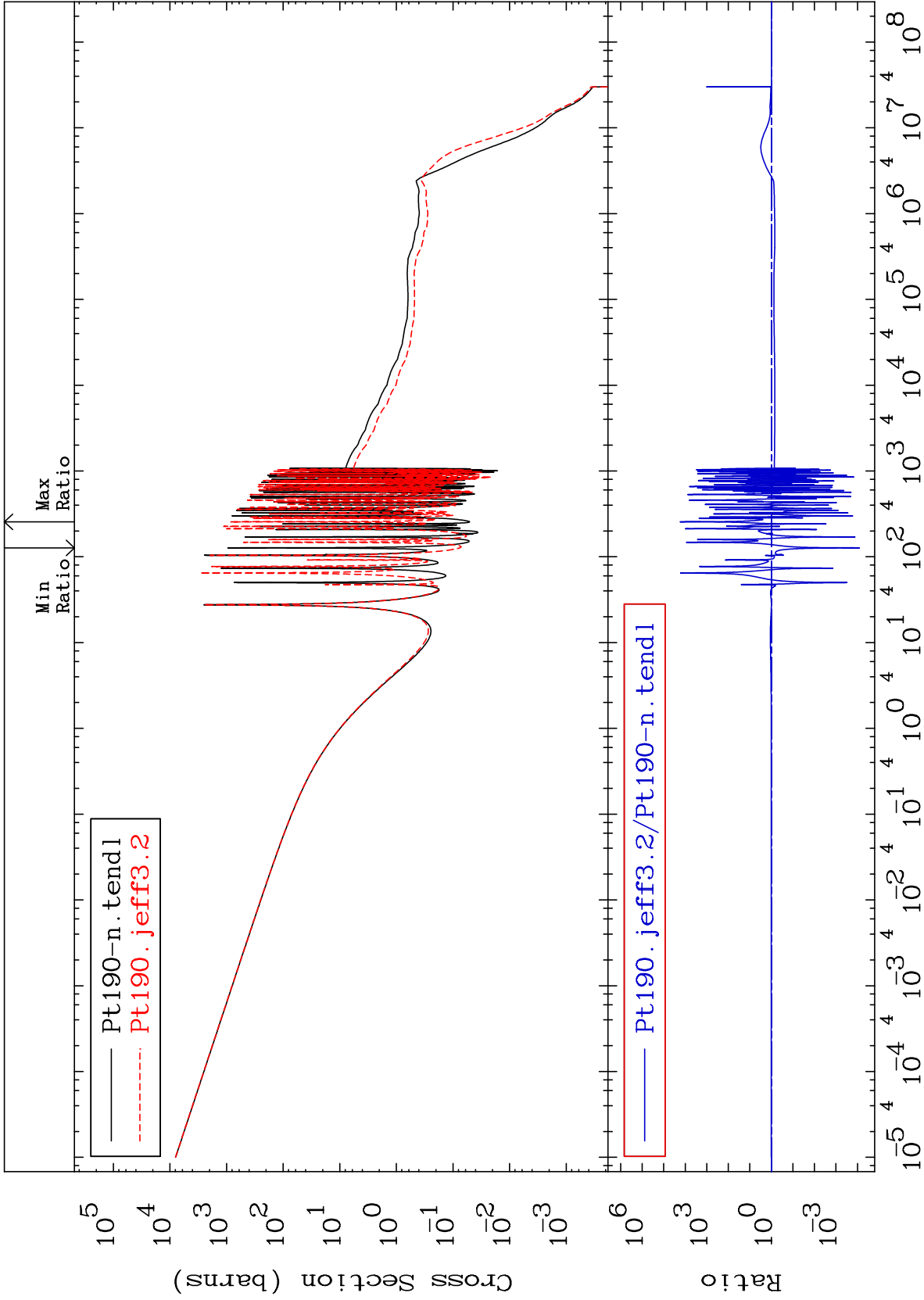


MAT 7825

(n, n') Continuum
Cross Section

78-Pt-190
-26.55 To 61.81 %





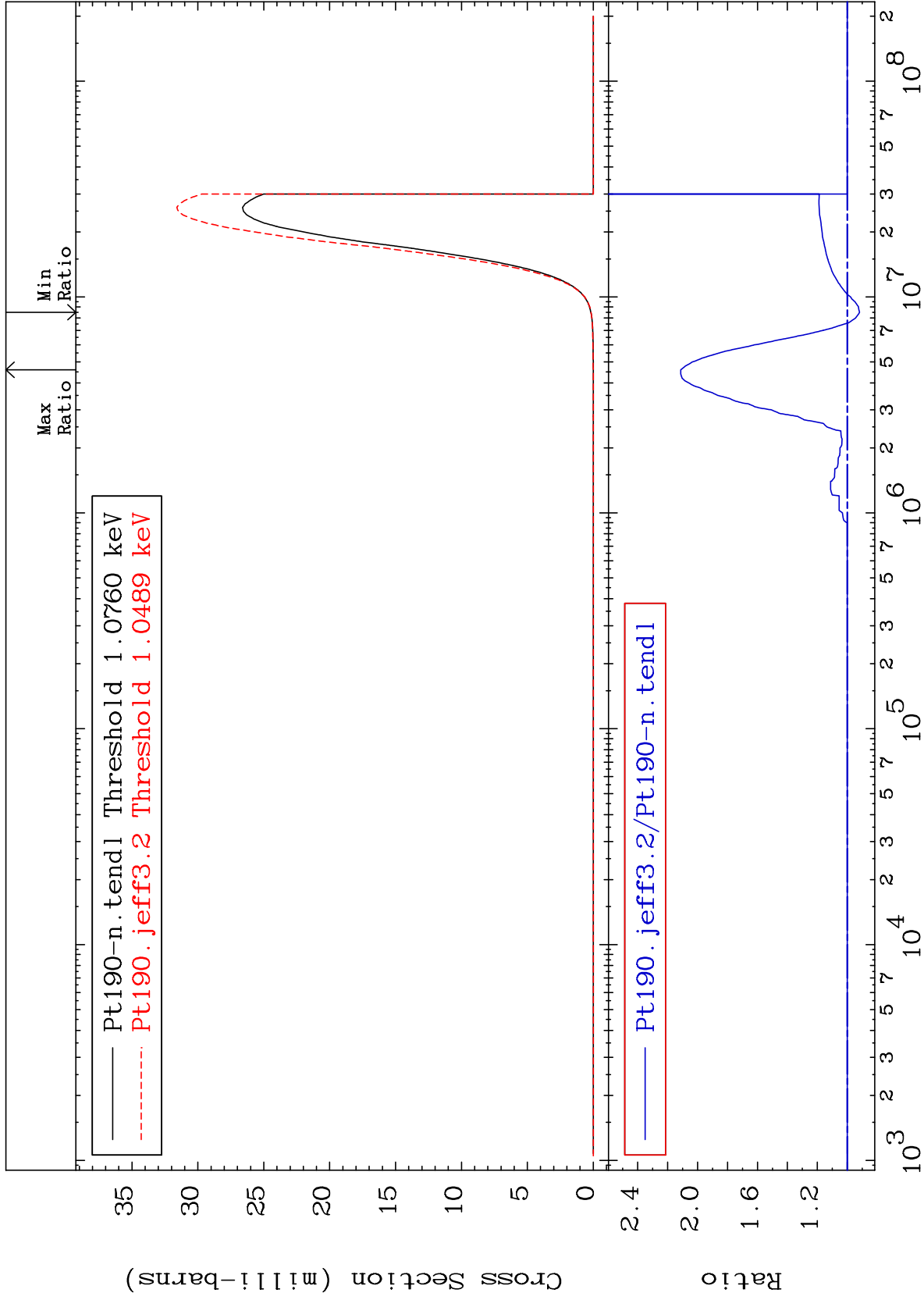
MAT 7825

(n,p)

Cross Section

78-Pt-190

-8.165 To 111.2 %



50

Incident Energy (eV)

78-Pt-190

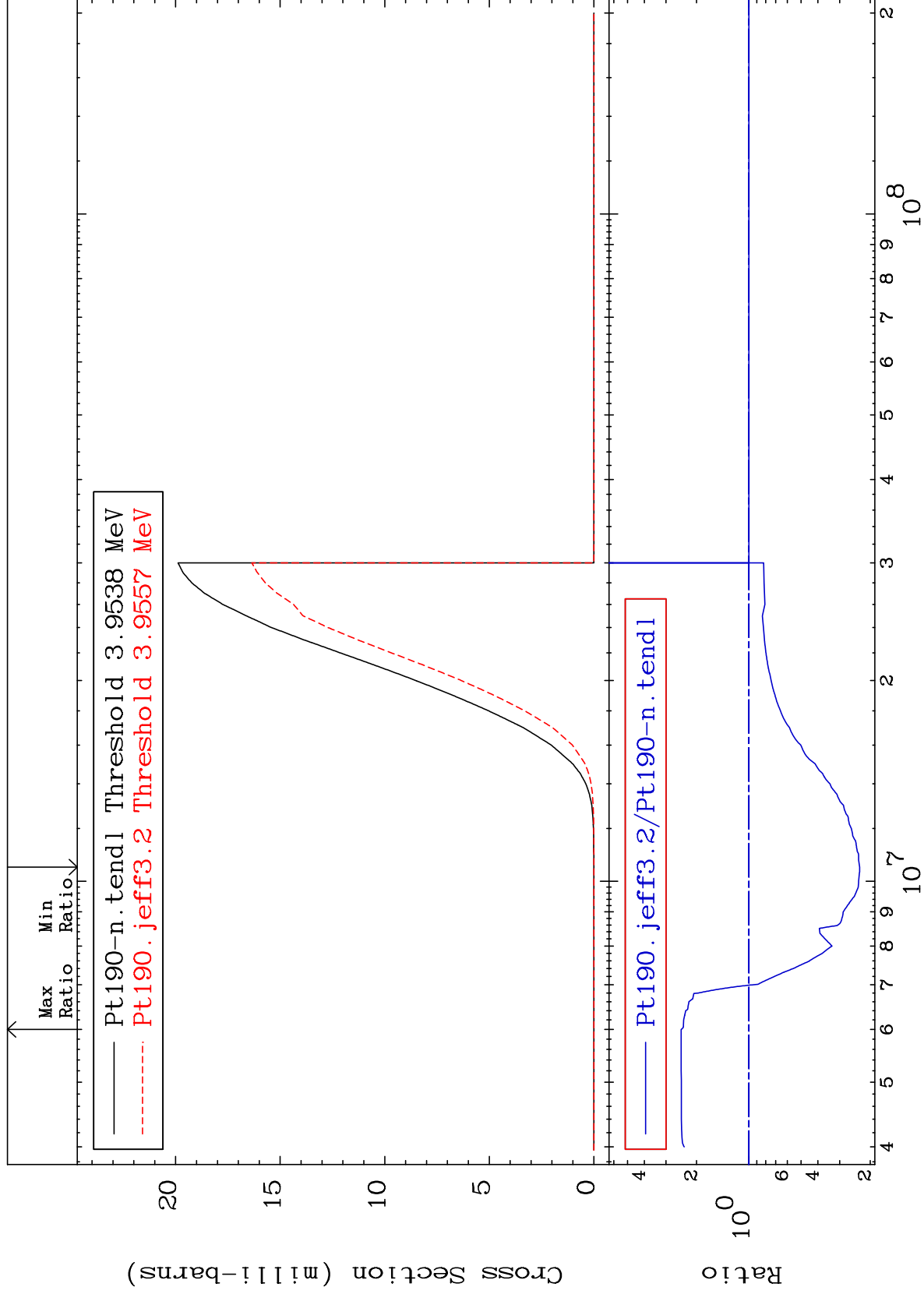
MAT 7825

(n, d)

78-Pt-190

Cross Section

-77.00 To 145.4 %

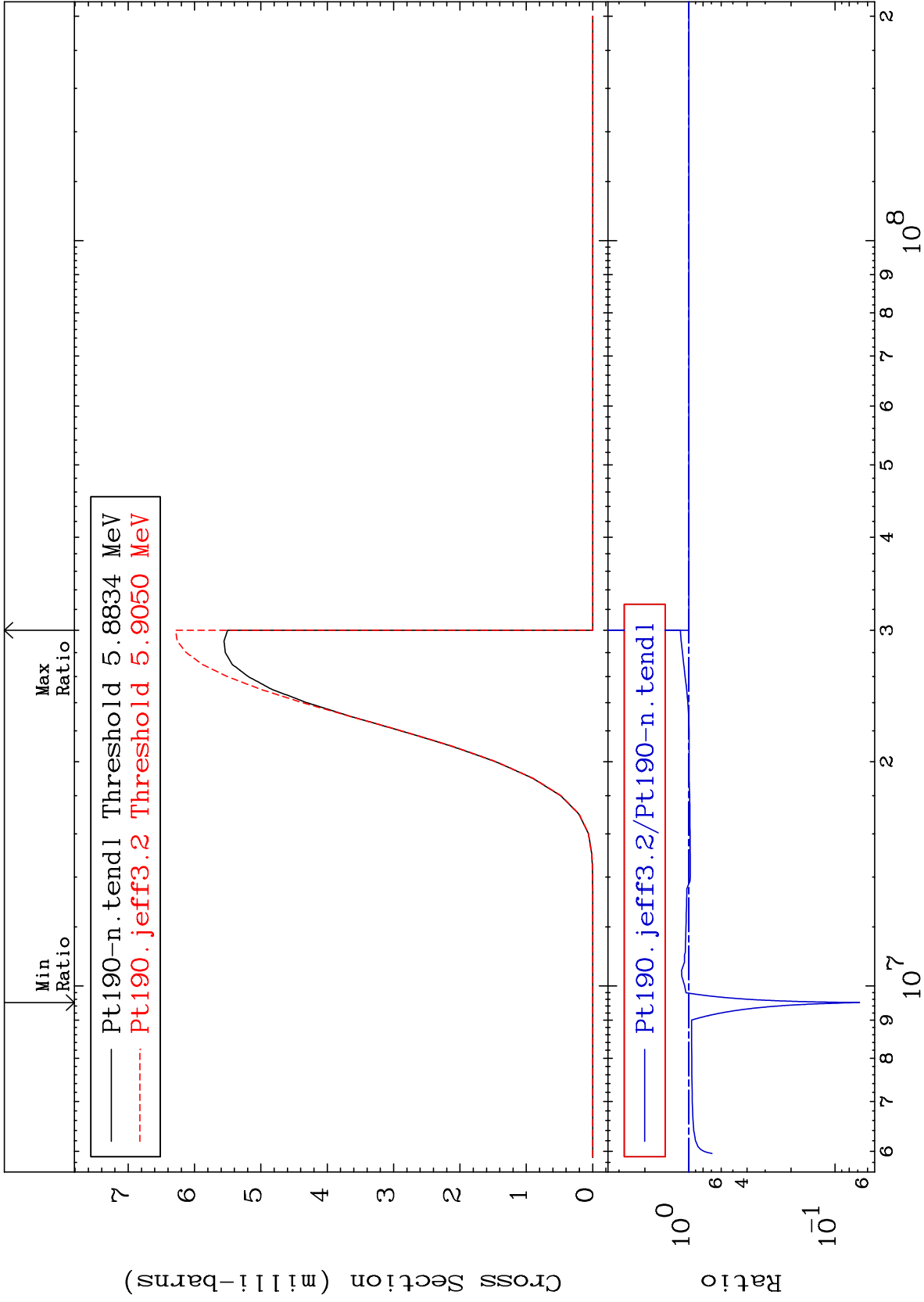


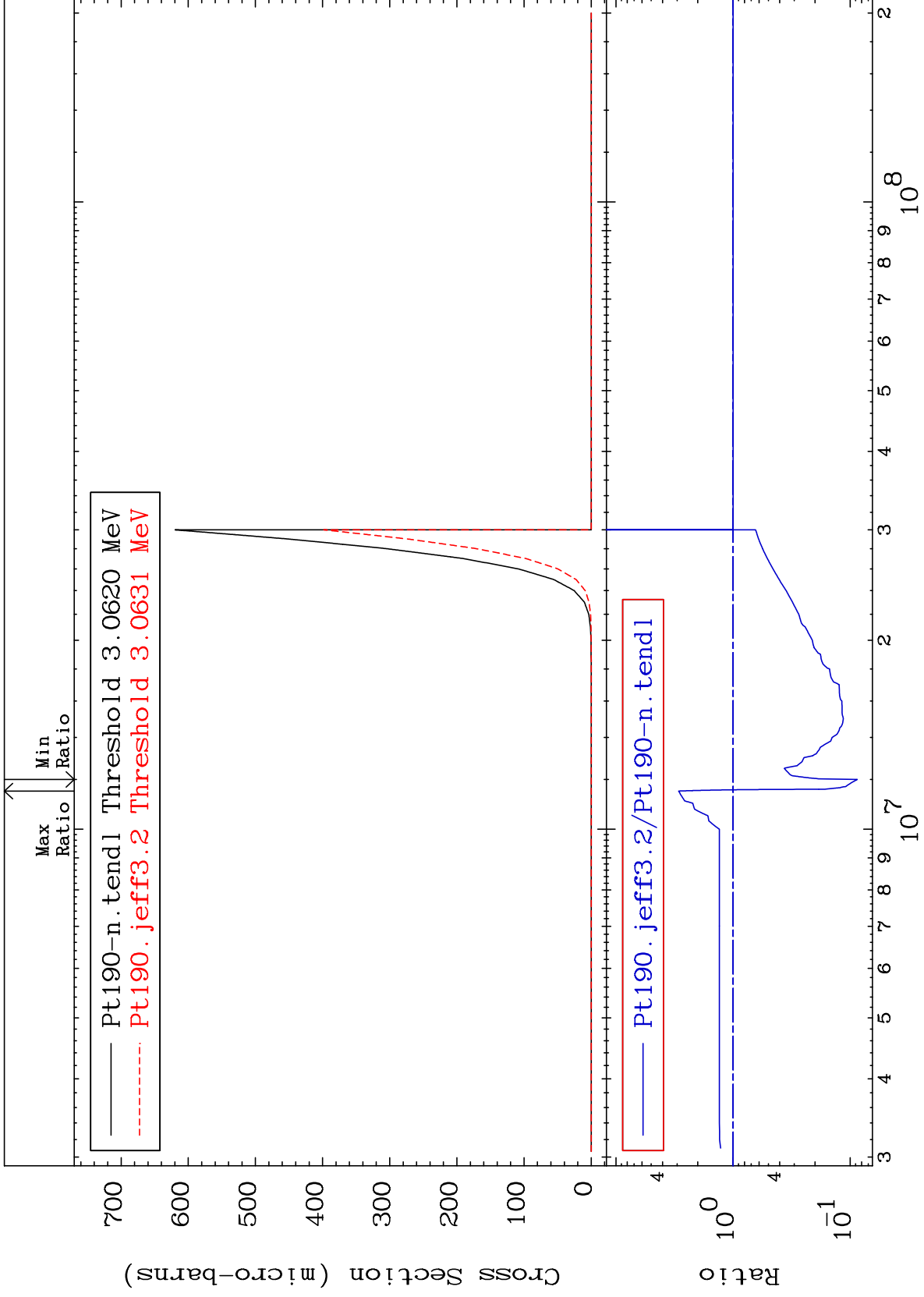
51

78-Pt-190

MAT 7825

(n, t)
Cross Section
78-Pt-190
-93.19 To 14.24 %





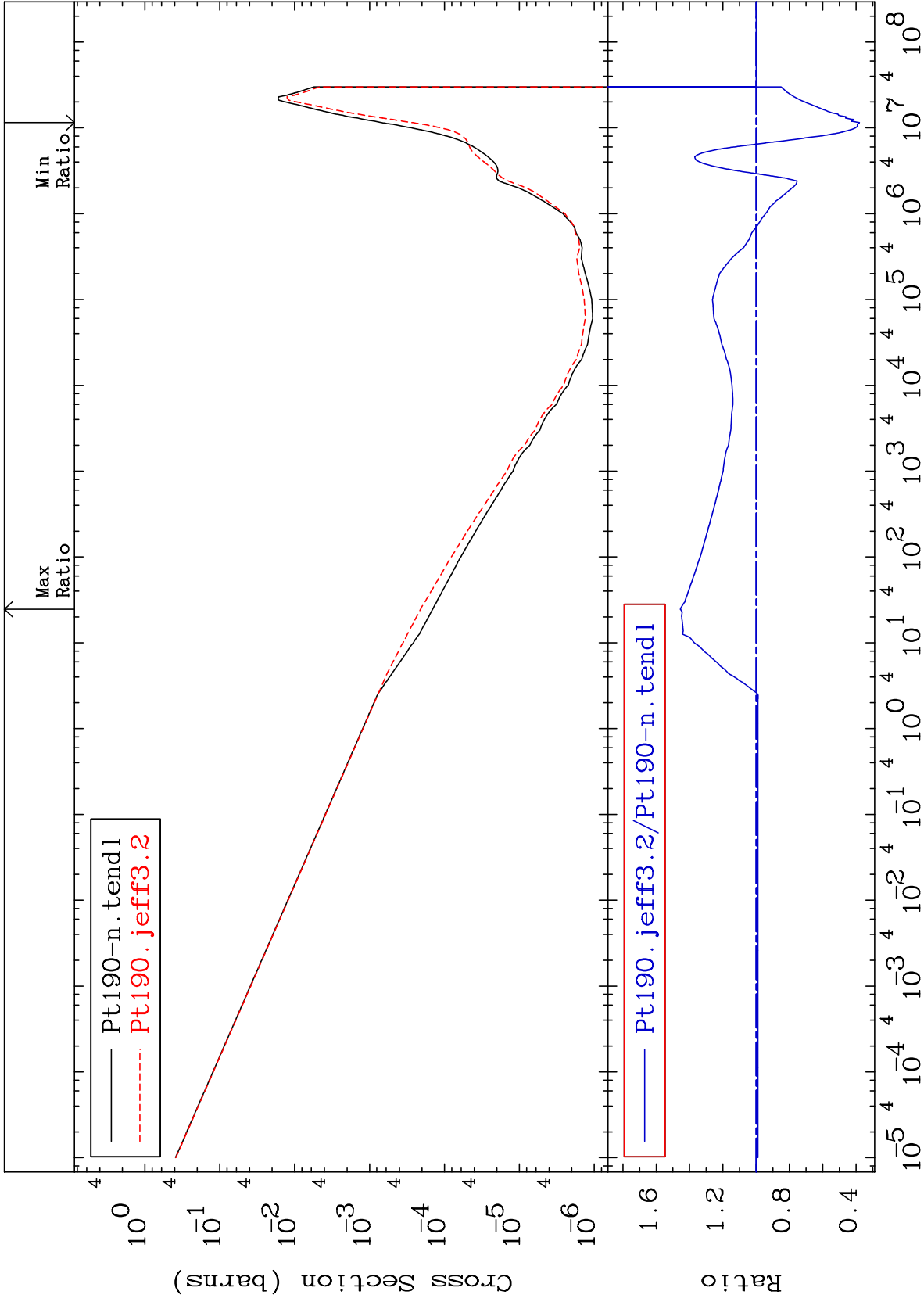
MAT 7825

(n, α)

78-Pt-190

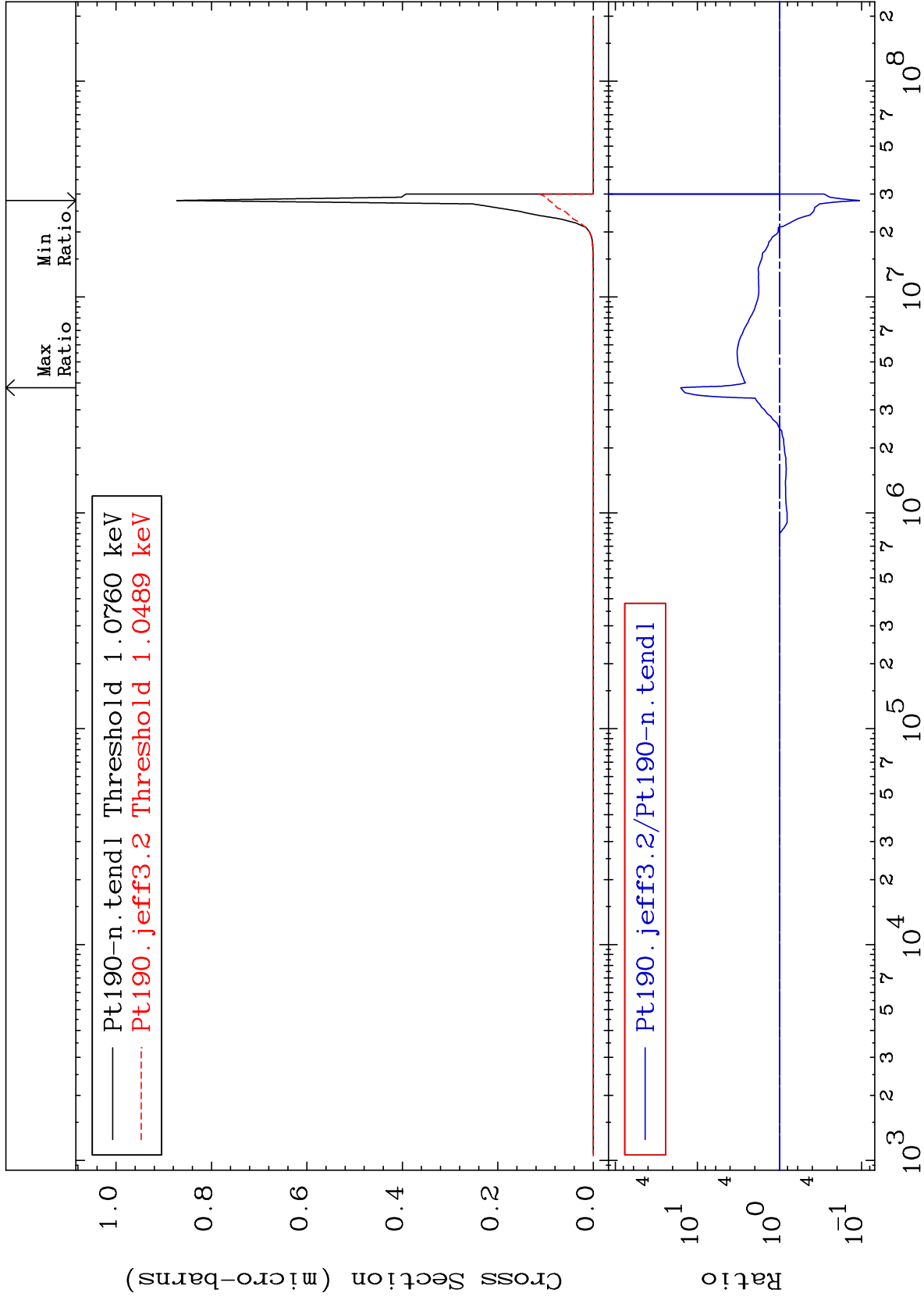
Cross Section

-62.05 To 45.53 %



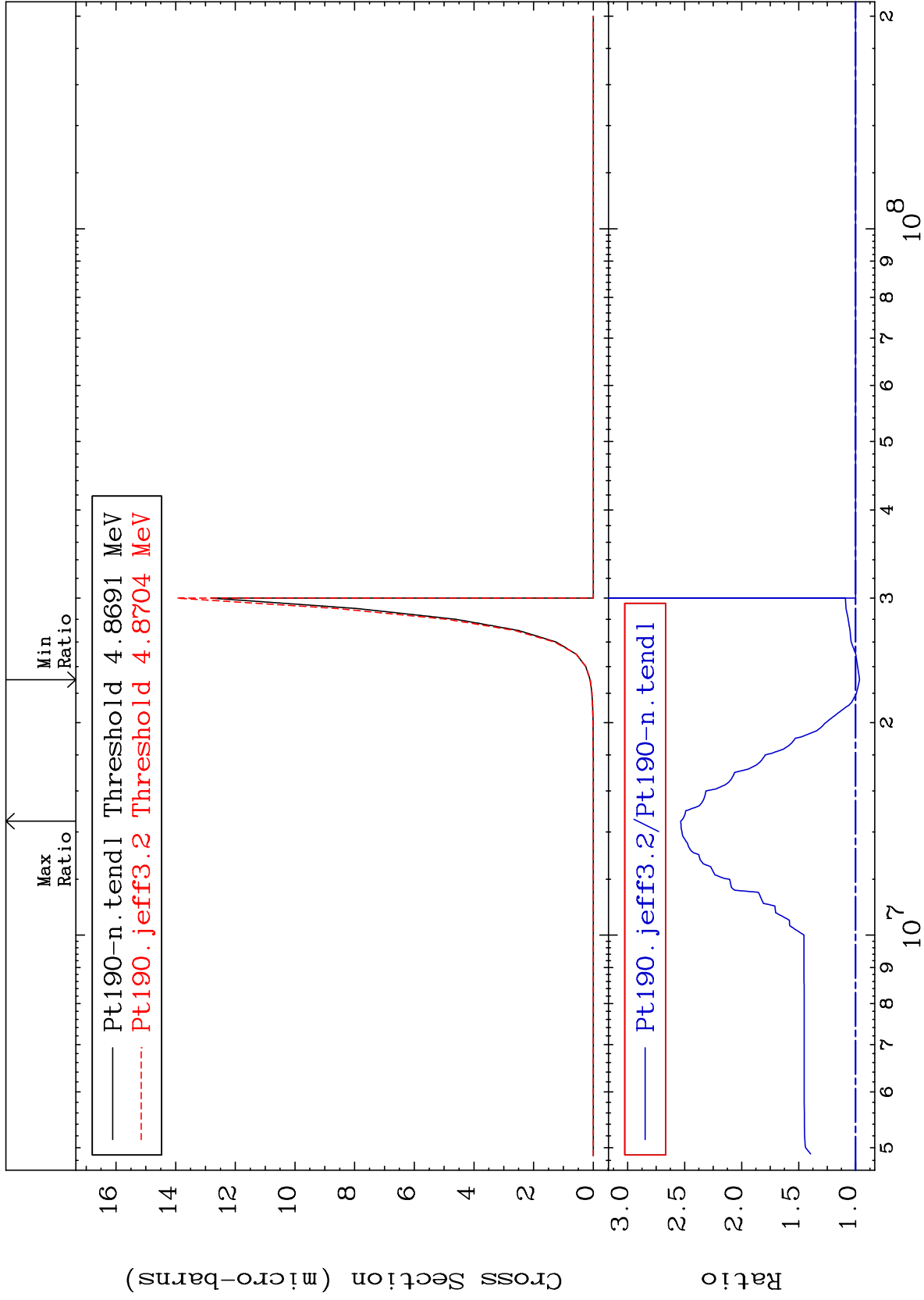
Cross Section

-89.38 To 1494. %



Cross Section

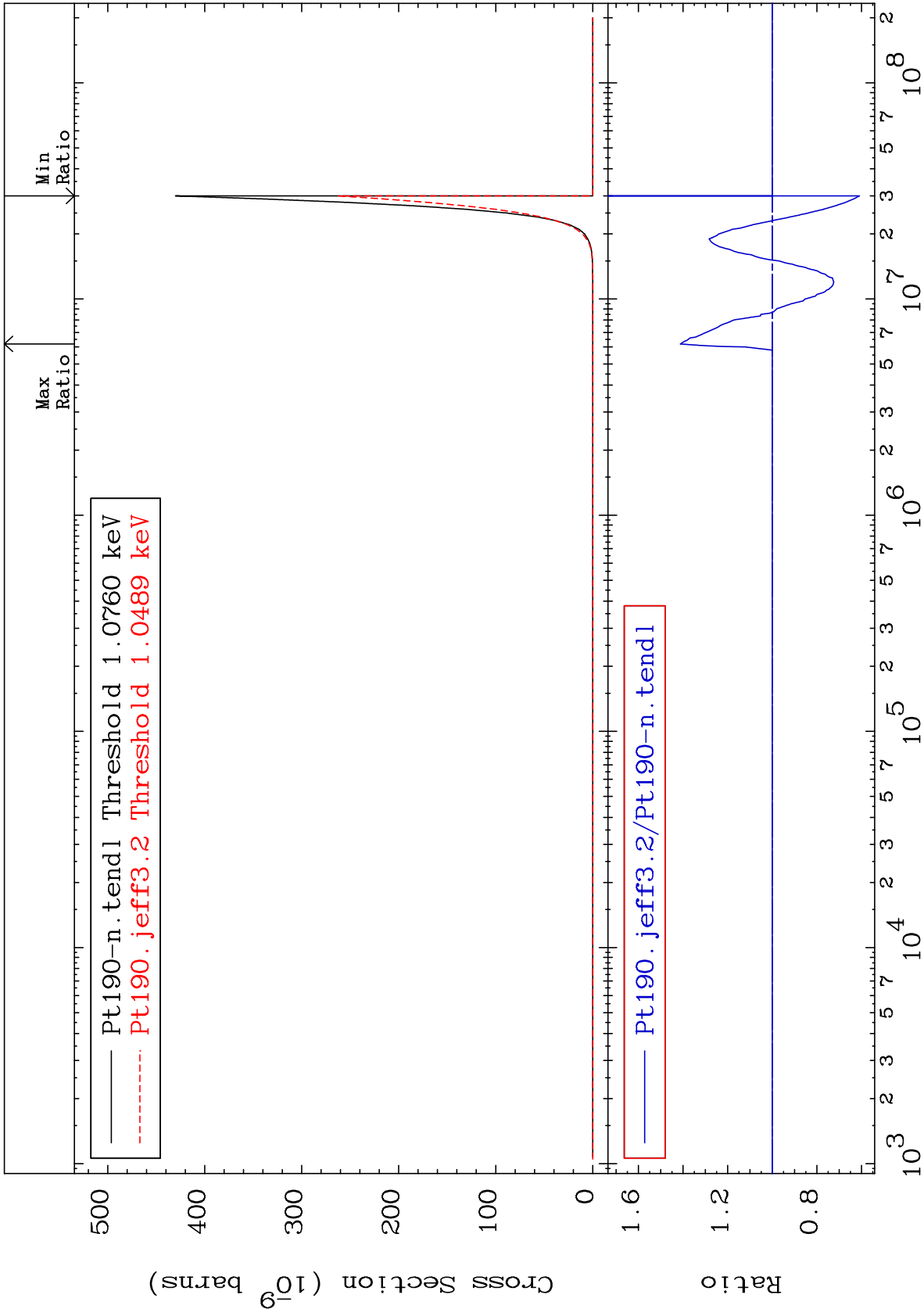
-3.395 To 153.4 %



MAT 7825

(n, p) α
Cross Section

78-Pt-190
-39.05 To 41.20 %



57

Incident Energy (eV)

78-Pt-190

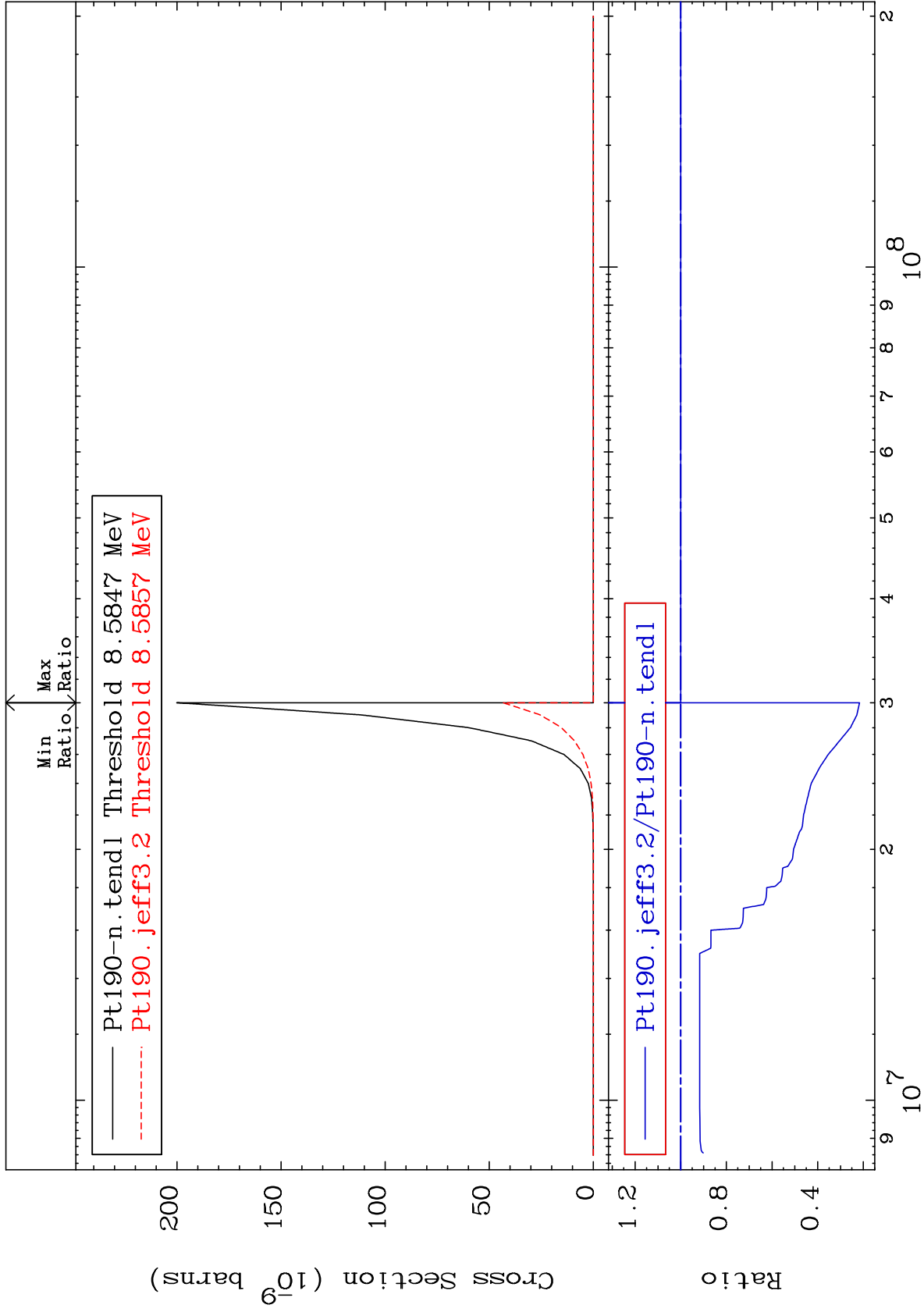
MAT 7825

(n,p) d

78-Pt-190

Cross Section

-78.35 To 0.000 %



58

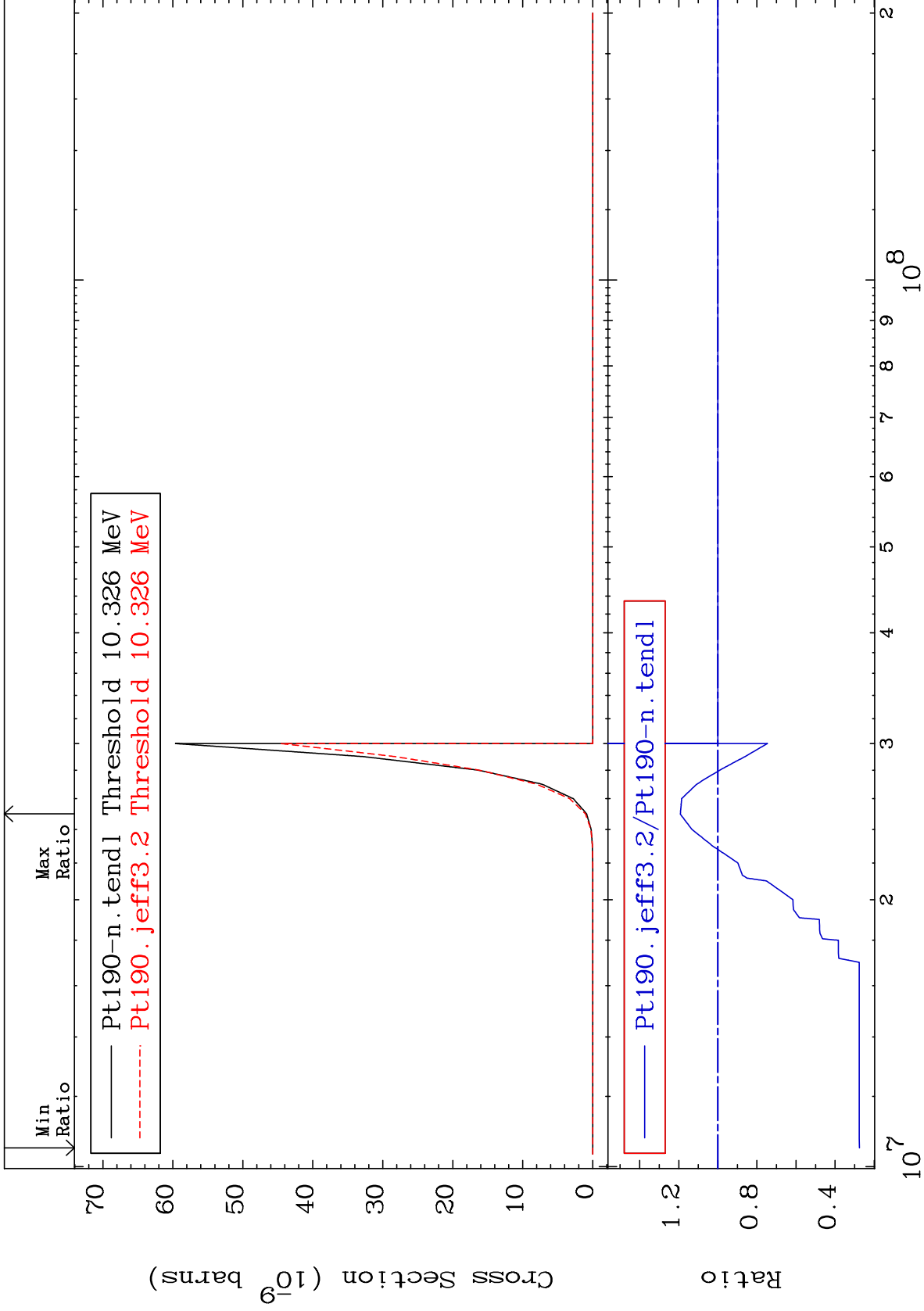
Incident Energy (eV)

78-Pt-190

MAT 7825

(n,p) t
Cross Section

78-Pt-190
-72.45 To 19.19 %



59

Incident Energy (eV)

78-Pt-190

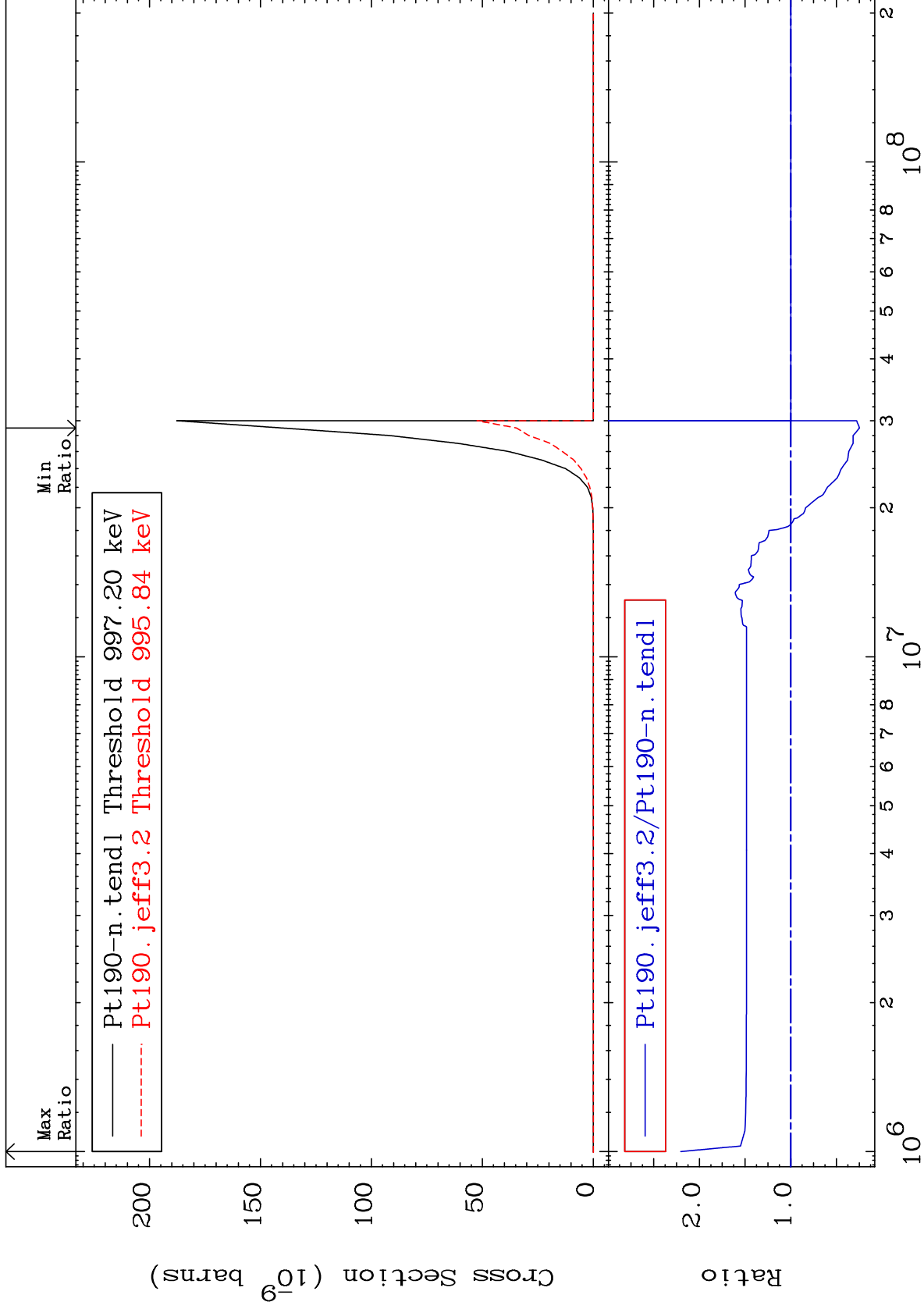
MAT 7825

(n, d) α

78-Pt-190

Cross Section

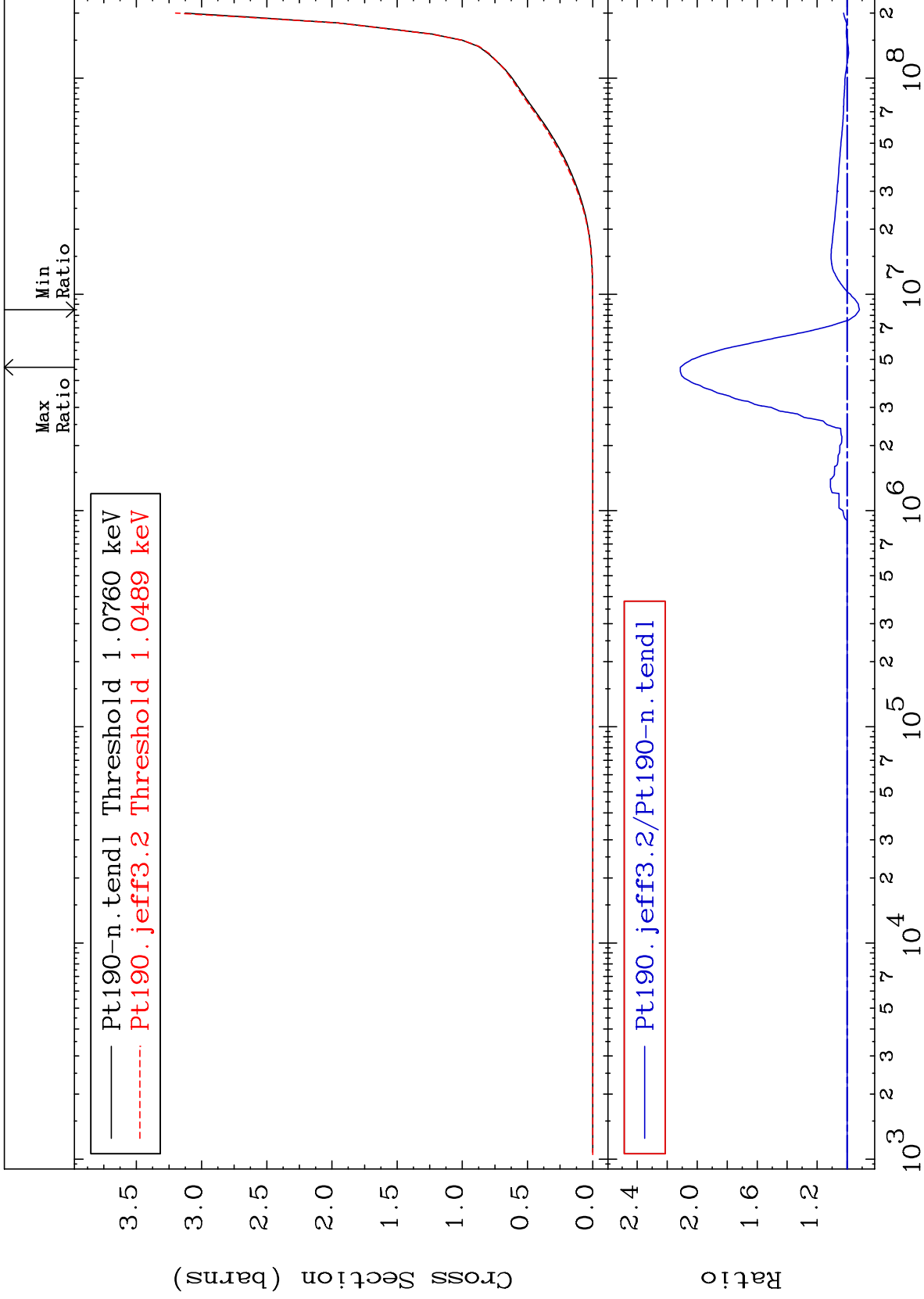
-75.32 To 120.4 %



60

Incident Energy (eV)

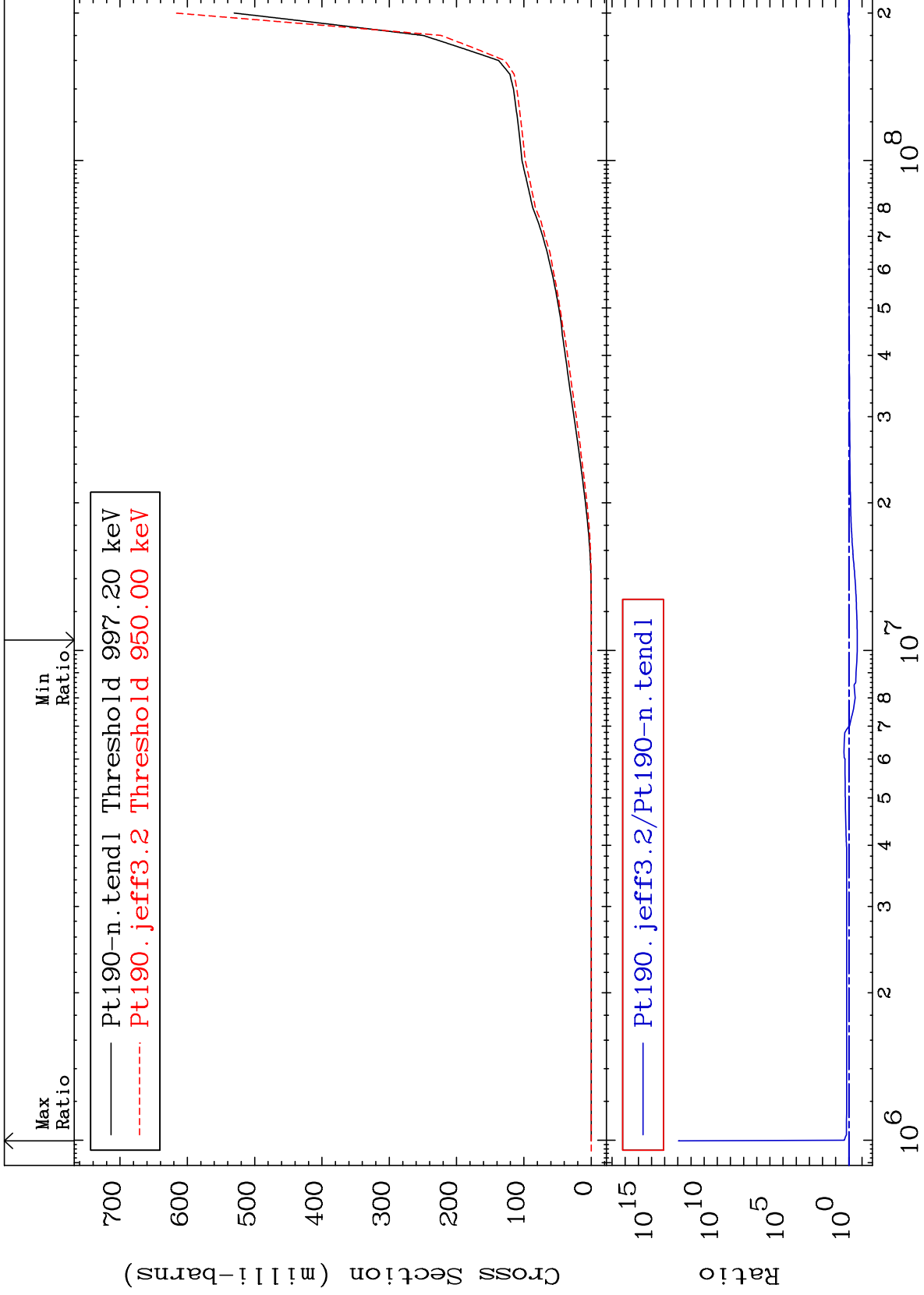
78-Pt-190



MAT 7825

Deuterium Production
Cross Section

78-Pt-190
-77.00 To 9999. %



62

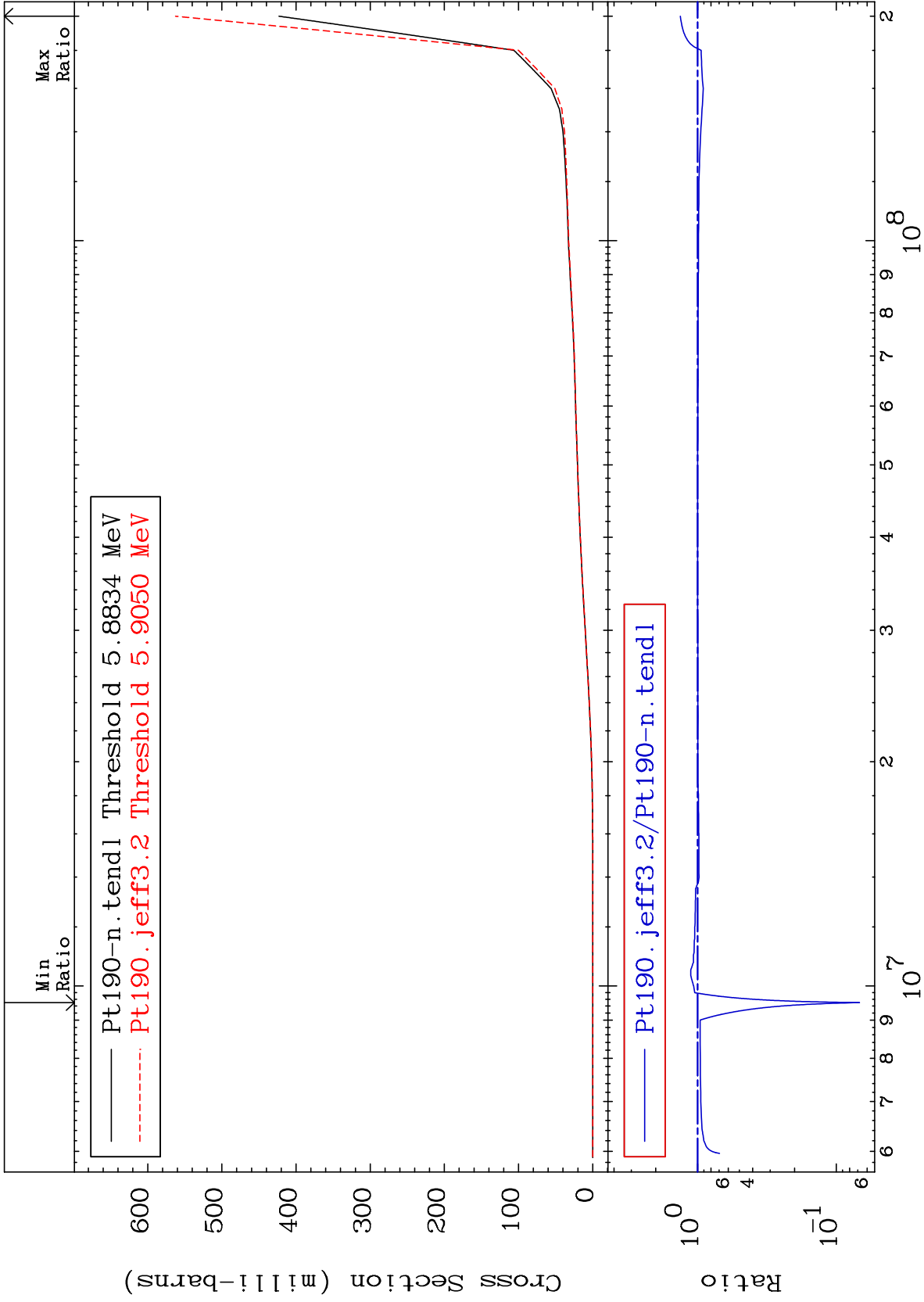
Incident Energy (eV)

78-Pt-190

MAT 7825

Tritium Production
Cross Section

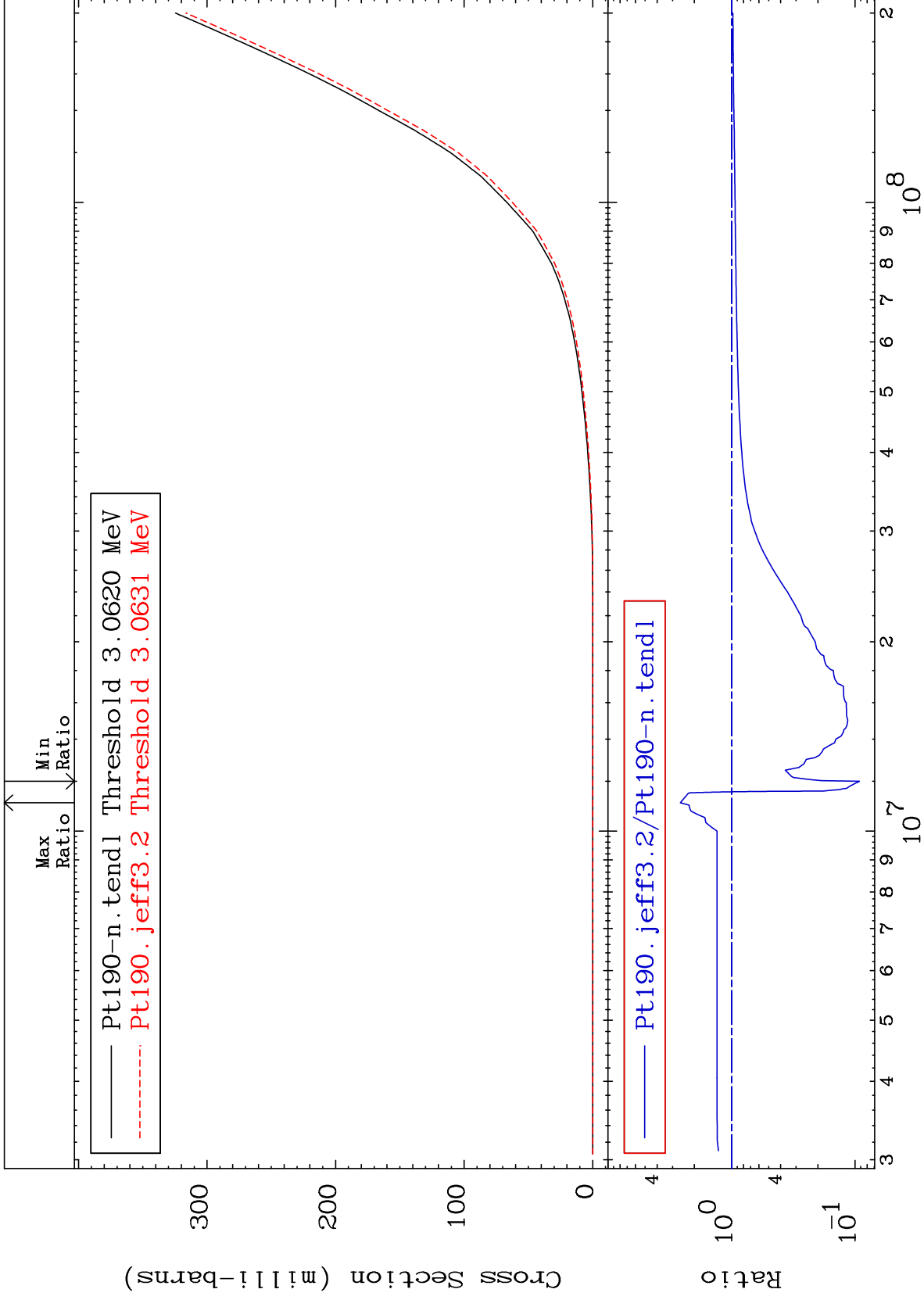
78-Pt-190
-93.19 To 33.00 %



MAT 7825

He-3 Production
Cross Section

78-Pt-190
-90.78 To 159.5 %



64

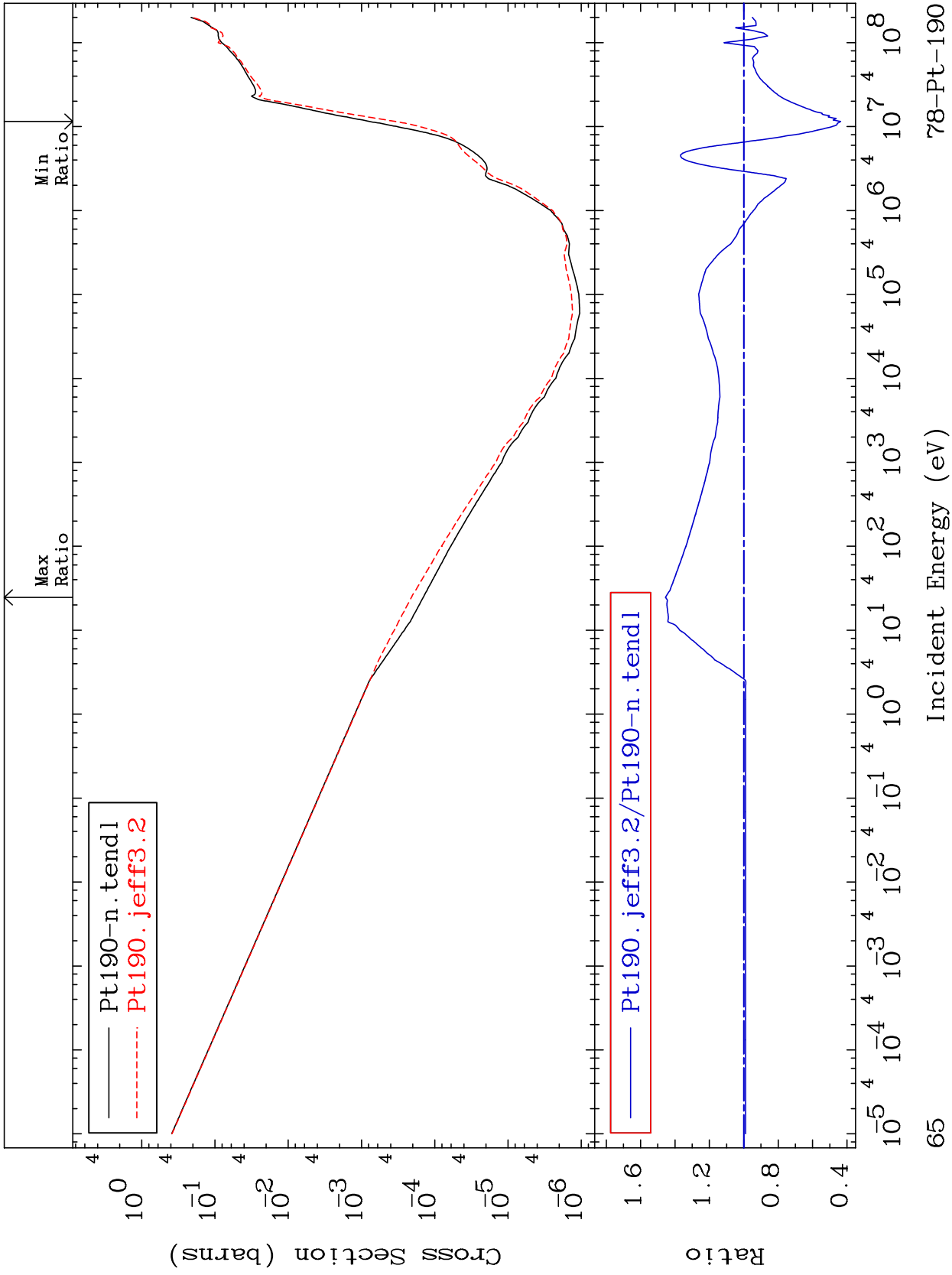
Incident Energy (eV)

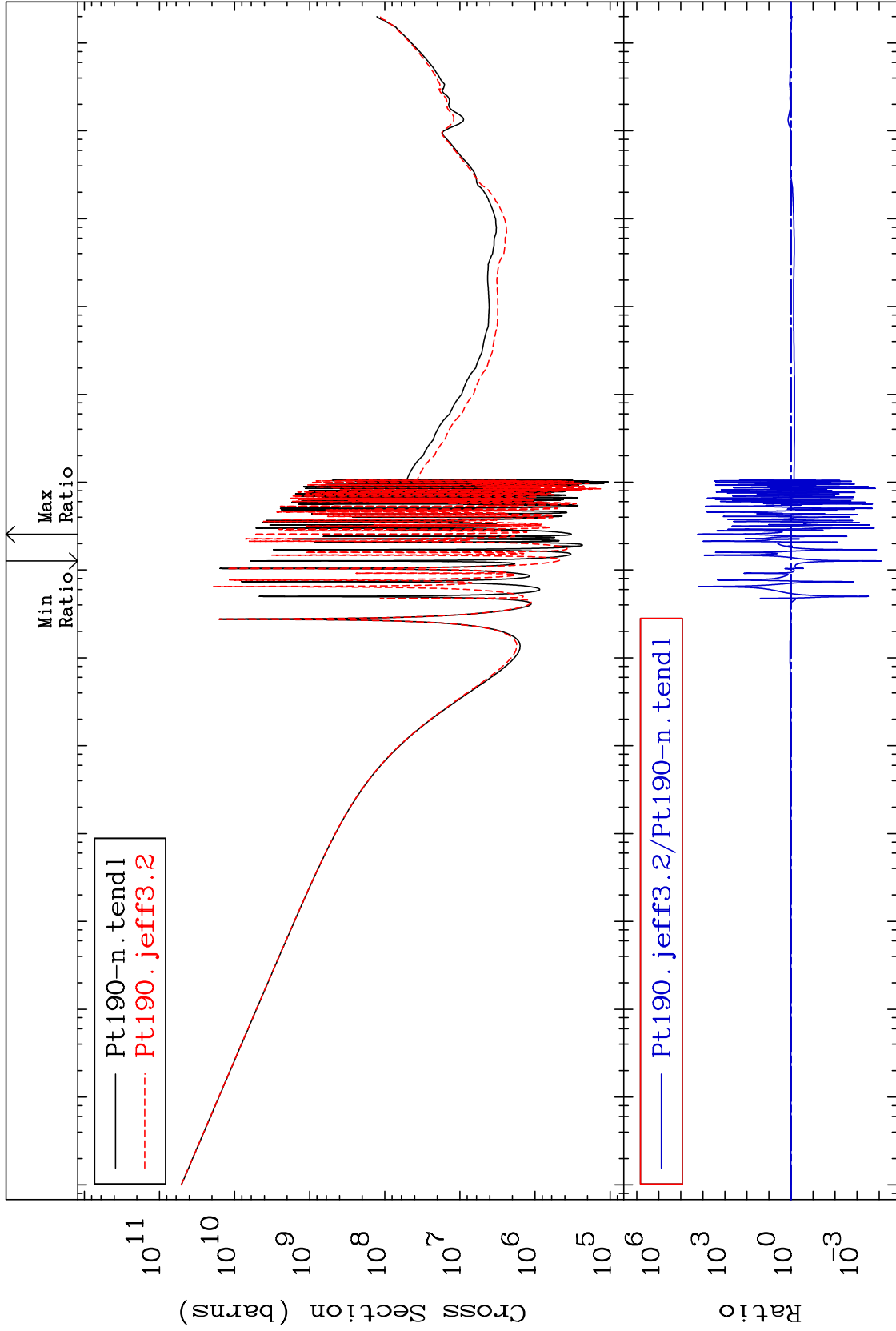
78-Pt-190

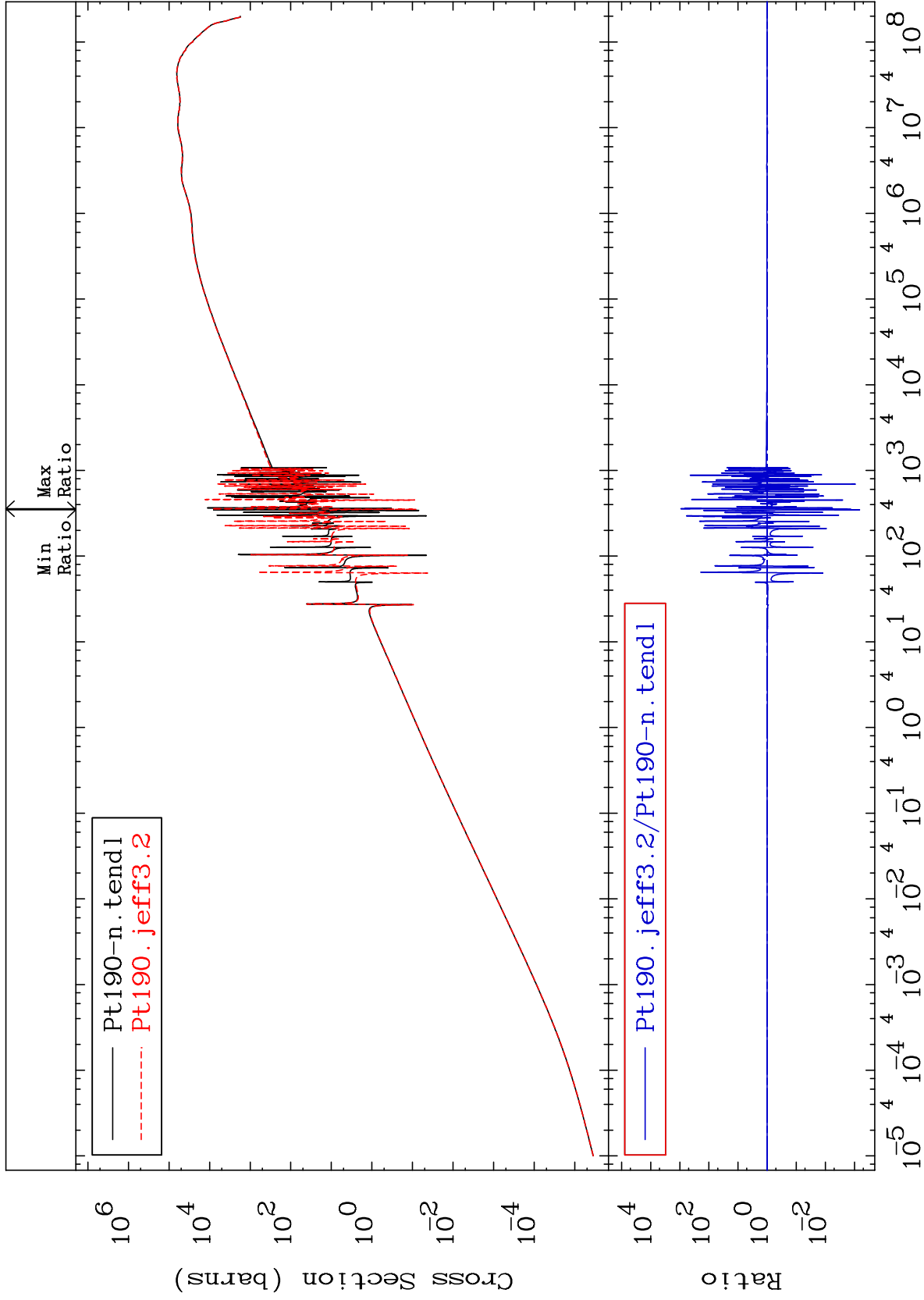
MAT 7825

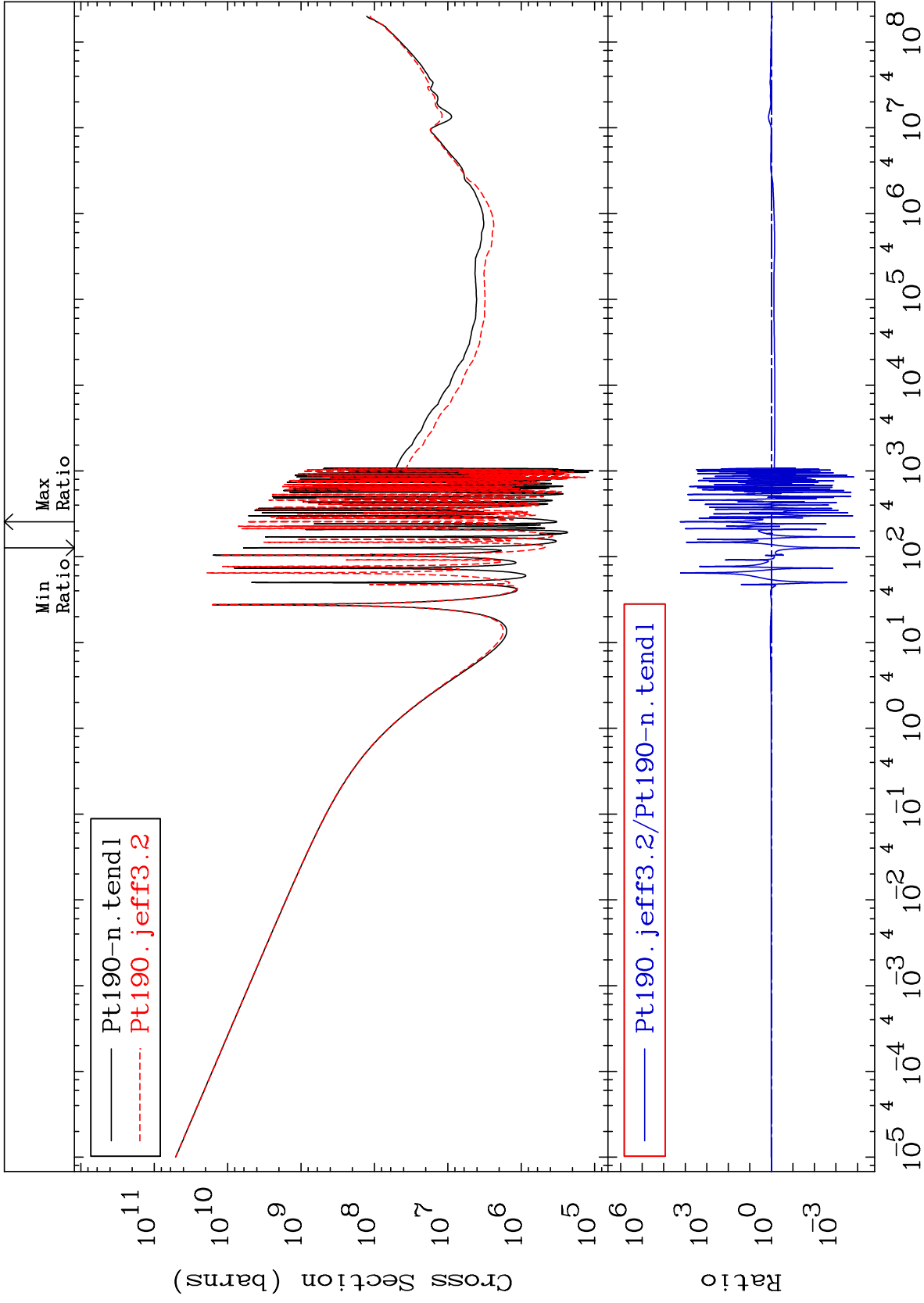
He-4 Production
Cross Section

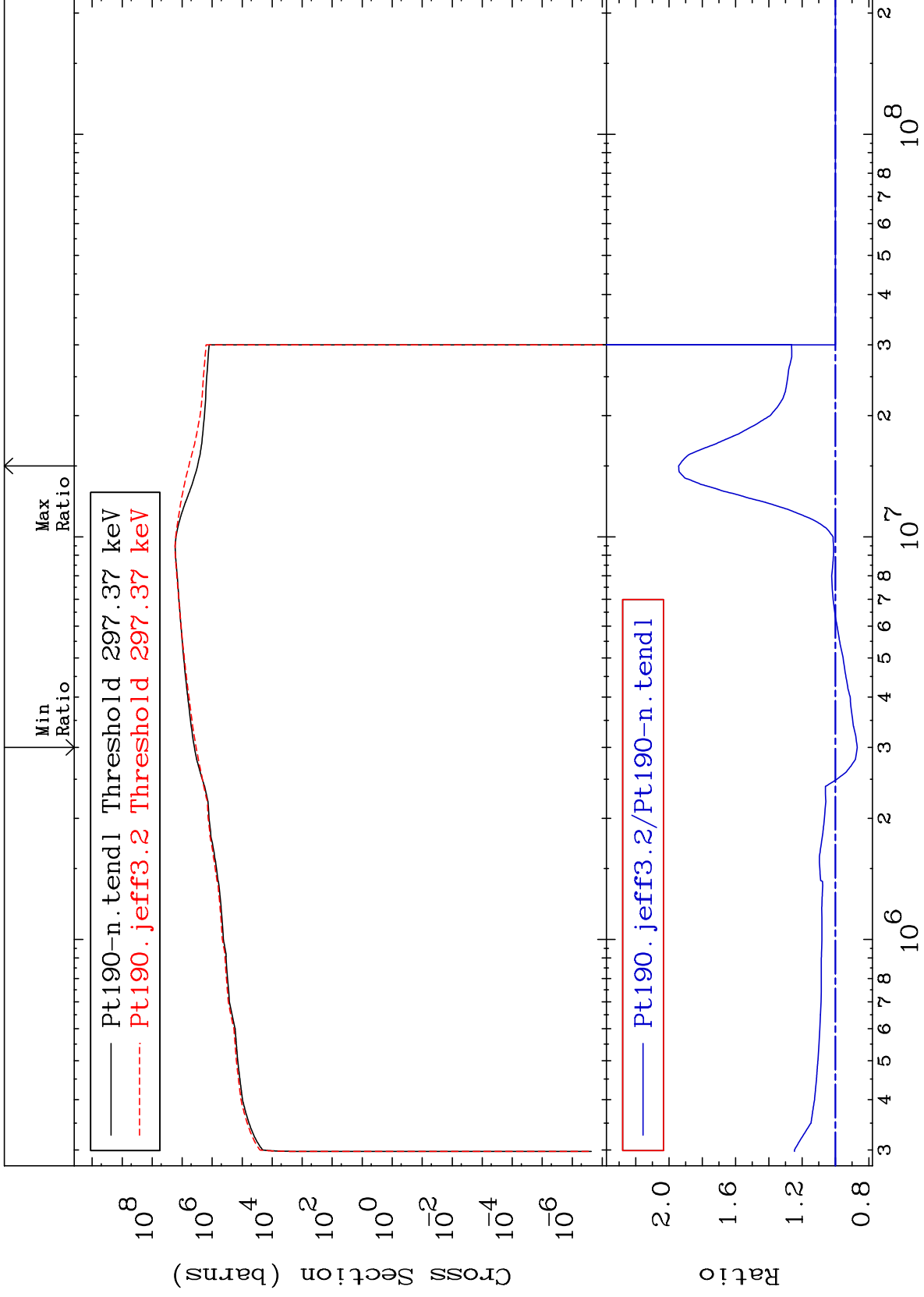
78-Pt-190
-56.33 To 45.53 %







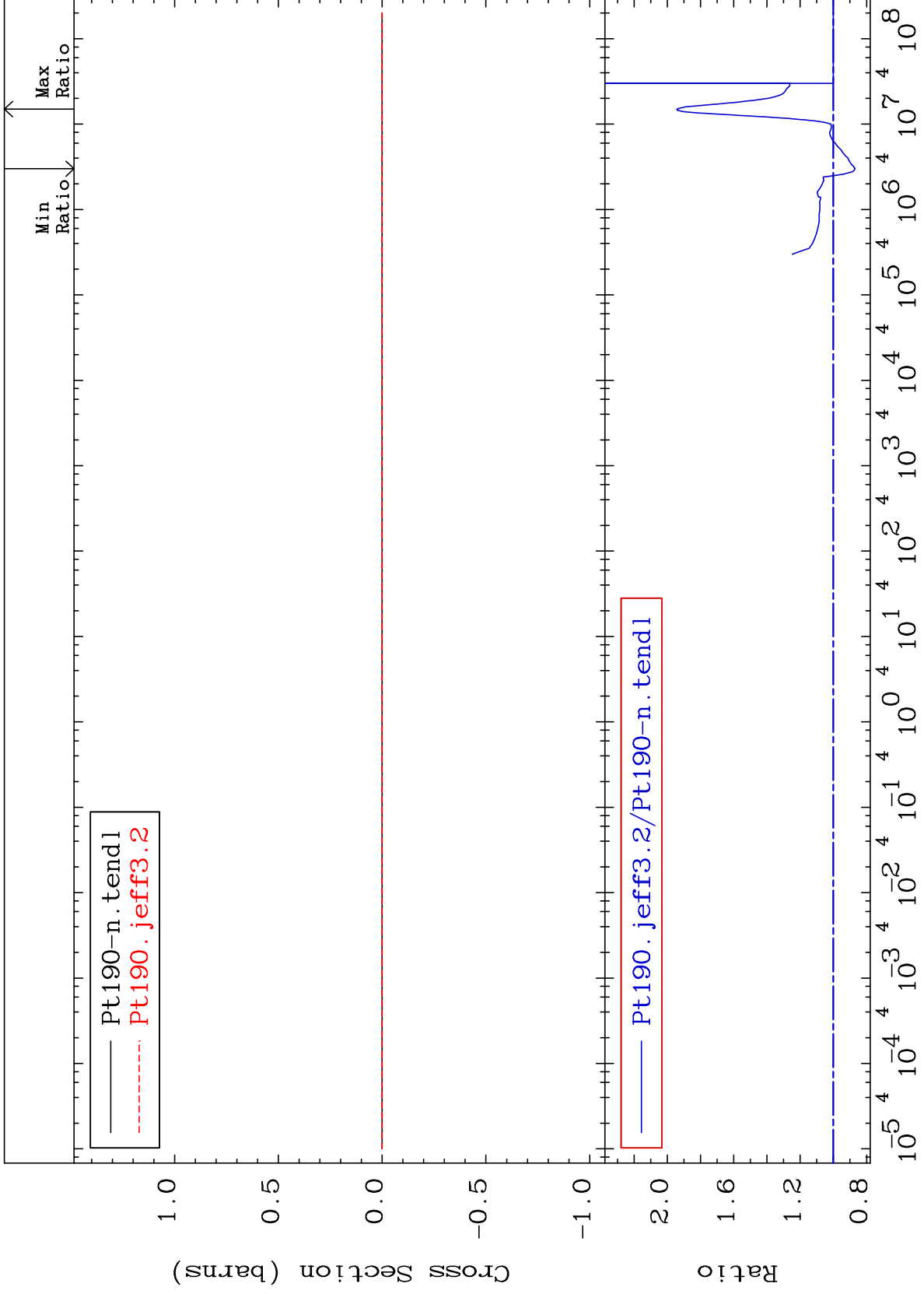




MAT 7825

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

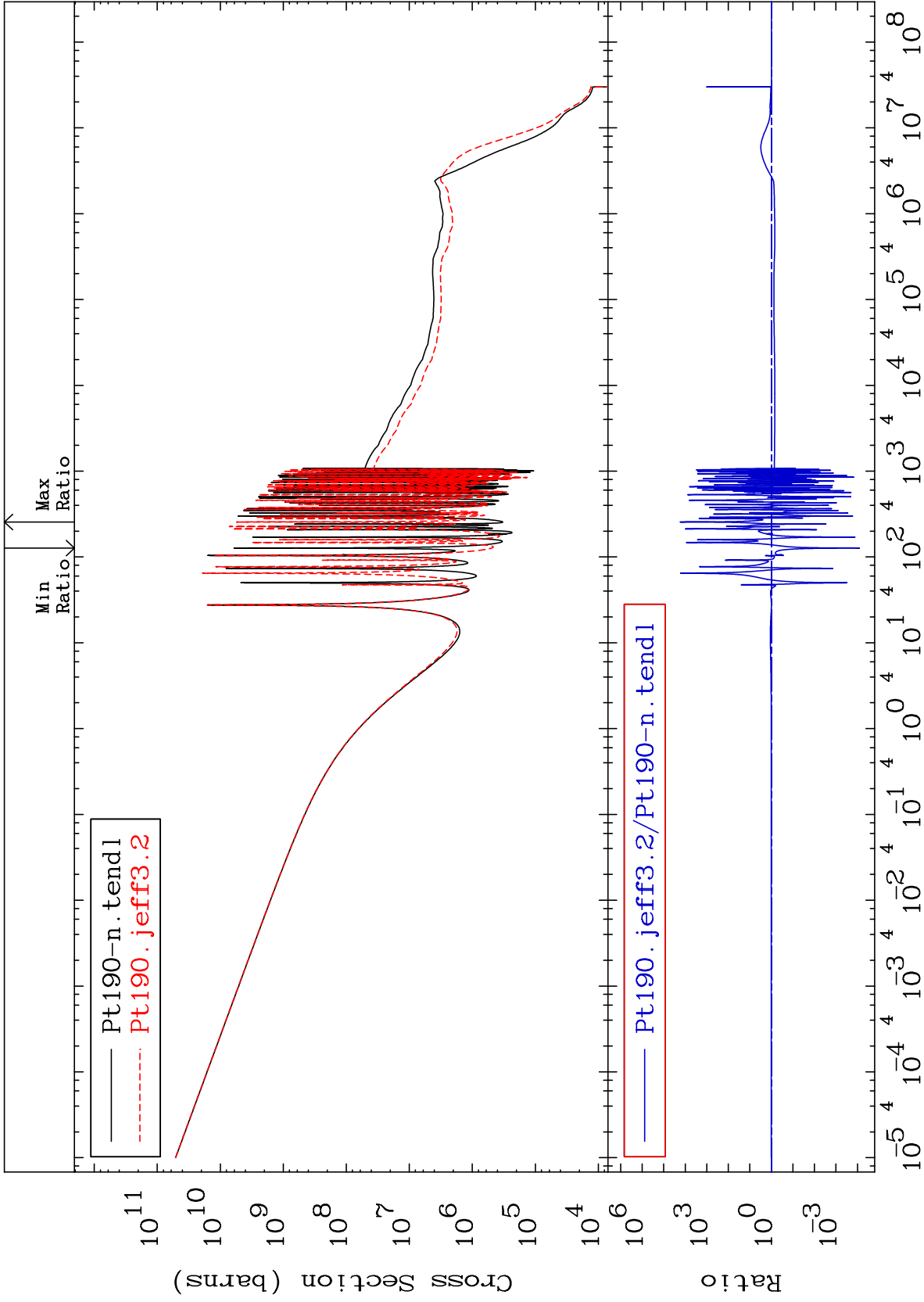
78-Pt-190
-13.07 To 94.19 %



70

Incident Energy (eV)

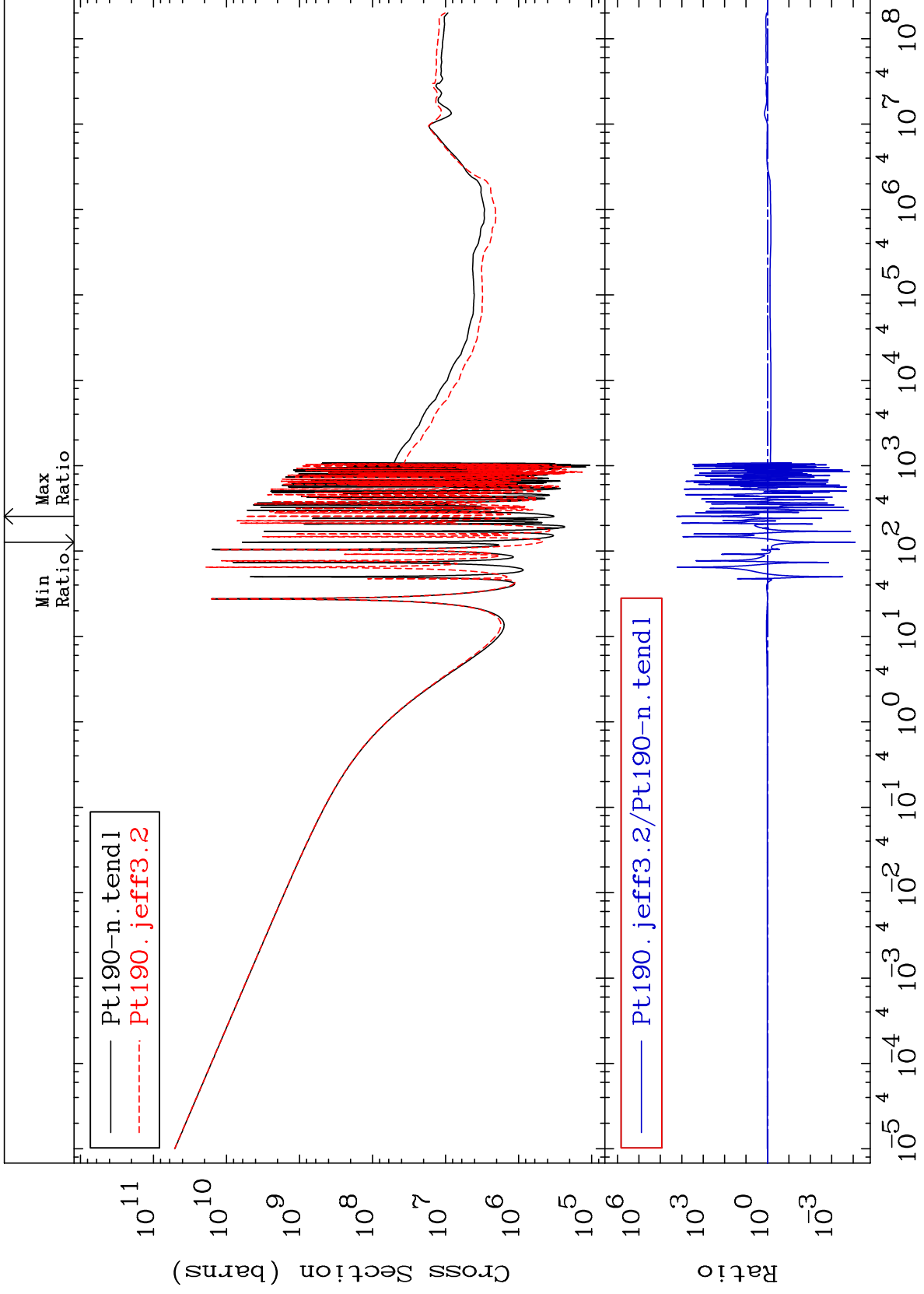
78-Pt-190



MAT 7825

Total photon (eV-barns)
Cross Section

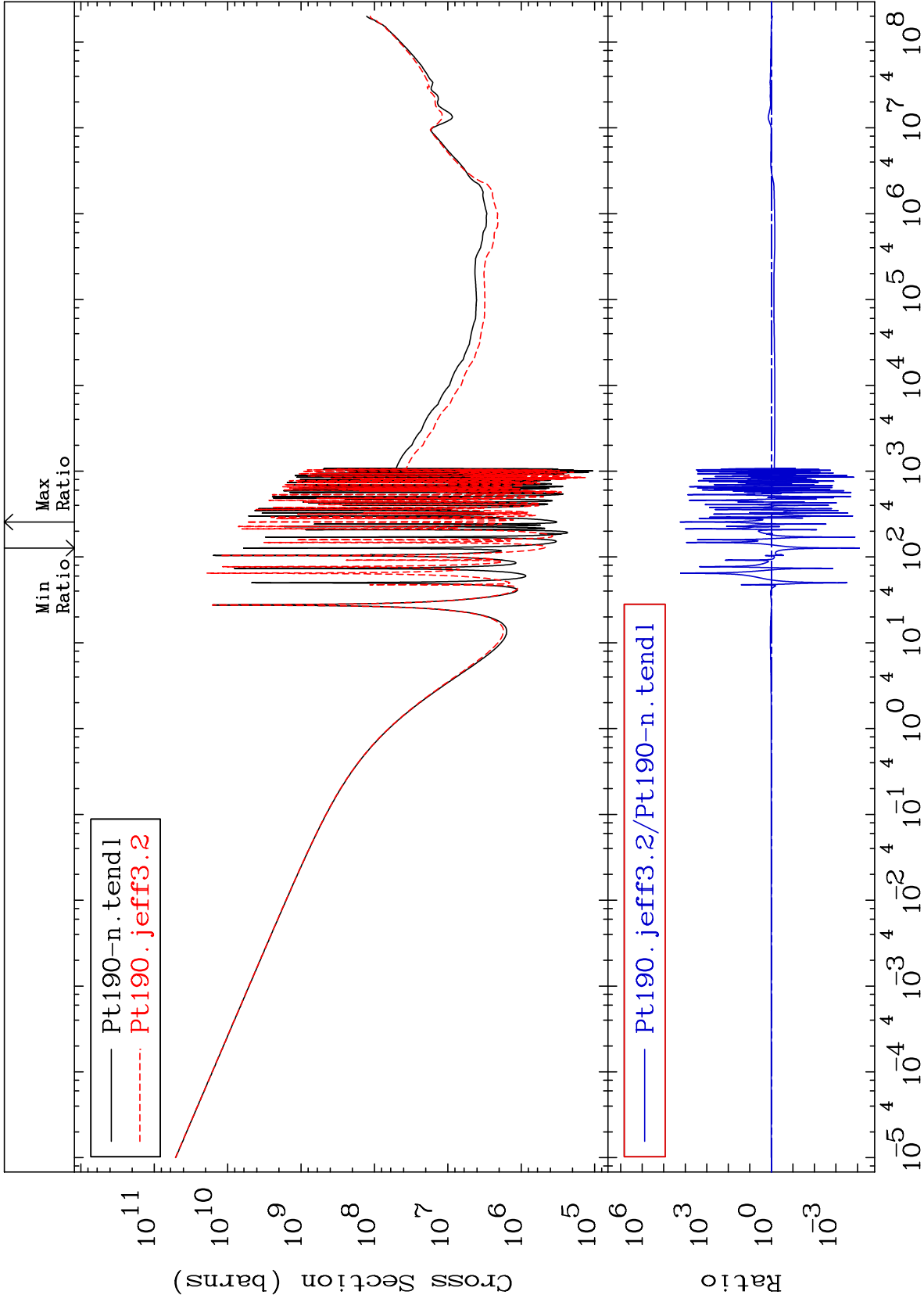
78-Pt-190
-99.99 To 9999. %



72

Incident Energy (eV)

78-Pt-190



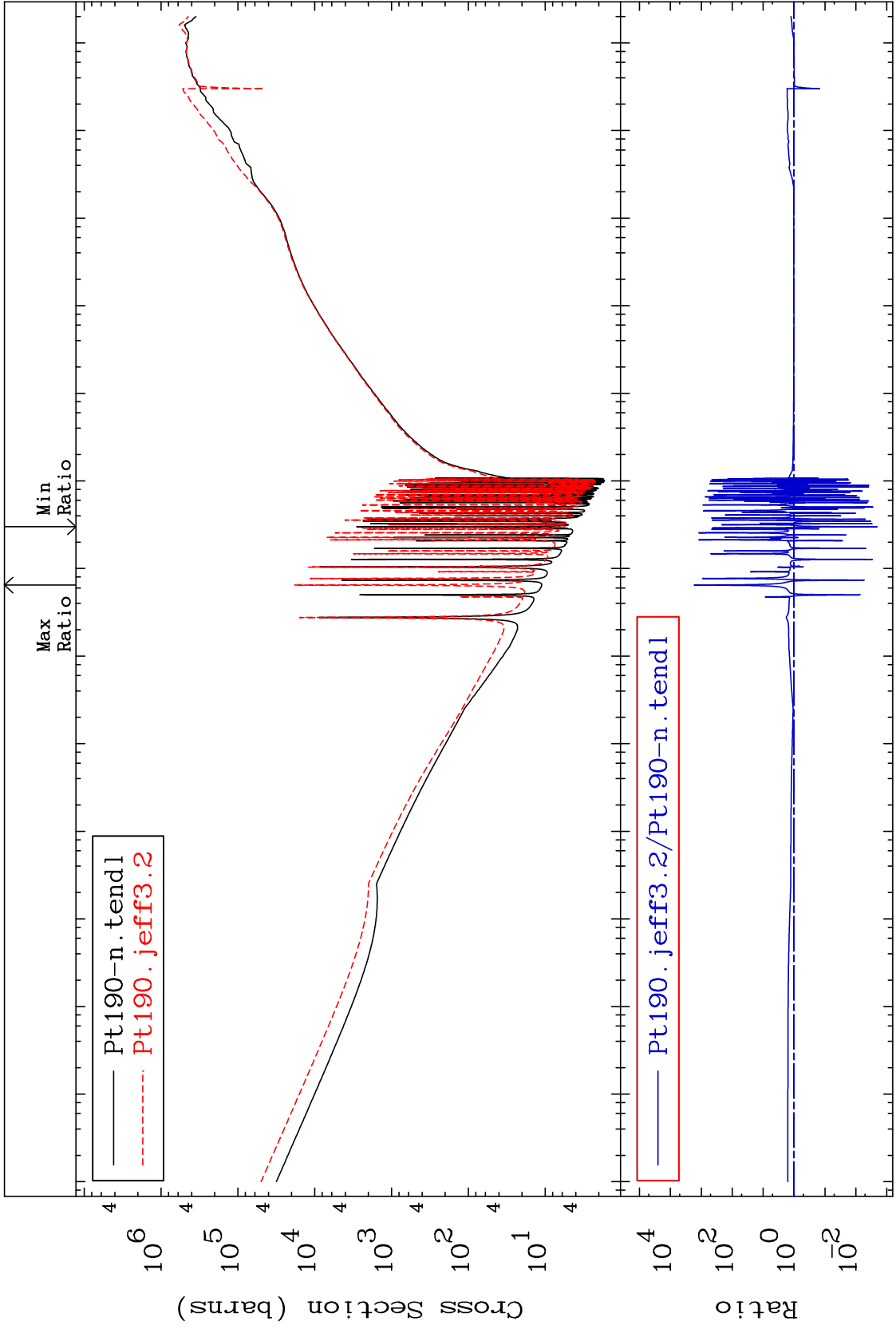
MAT 7825

Dpa total (eV-barns)

78-Pt-190

-99.80 To 9999. %

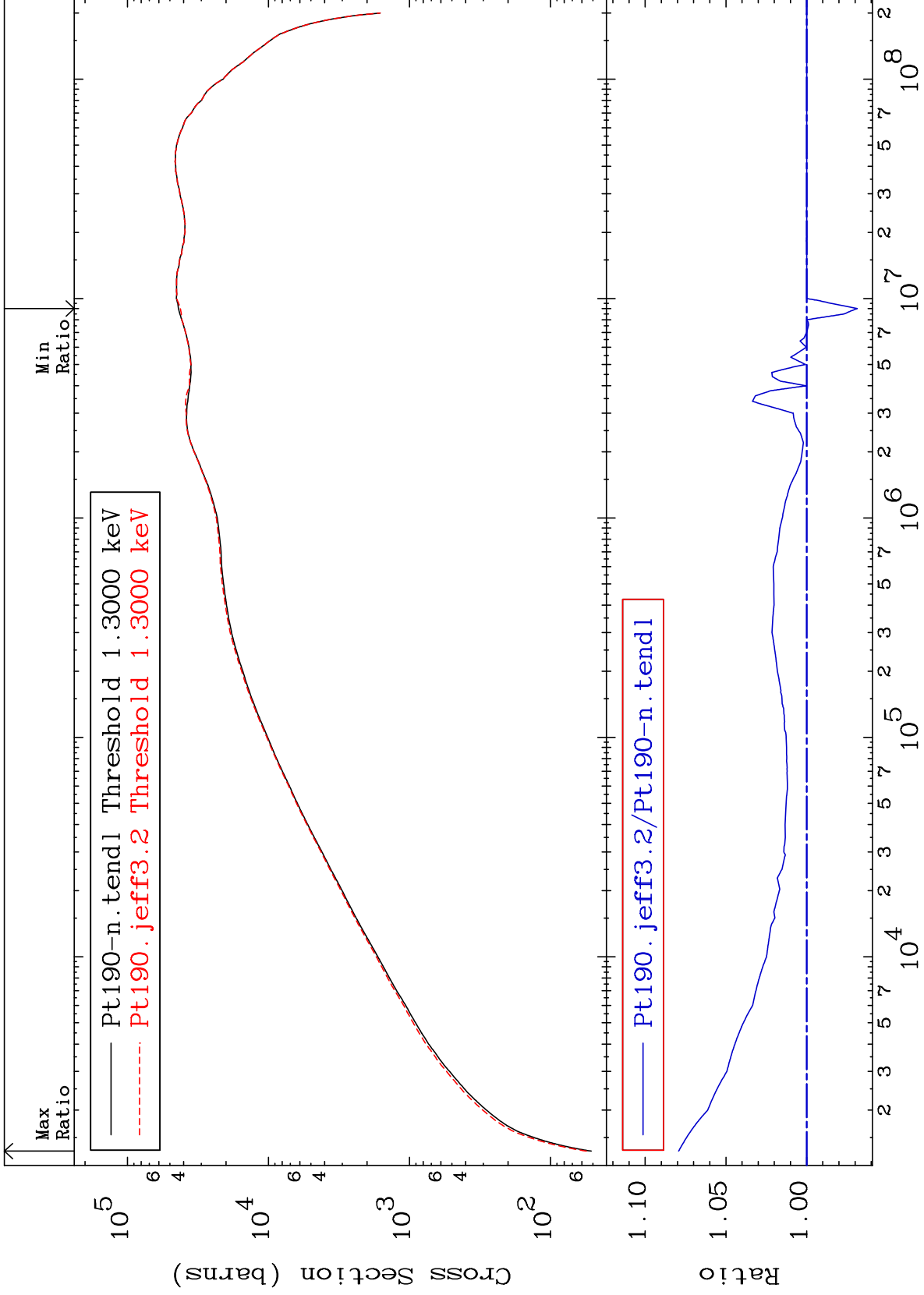
Cross Section



MAT 7825

Dpa elastic (mt2)
Cross Section

78-Pt-190
-3.132 To 7.927 %



75

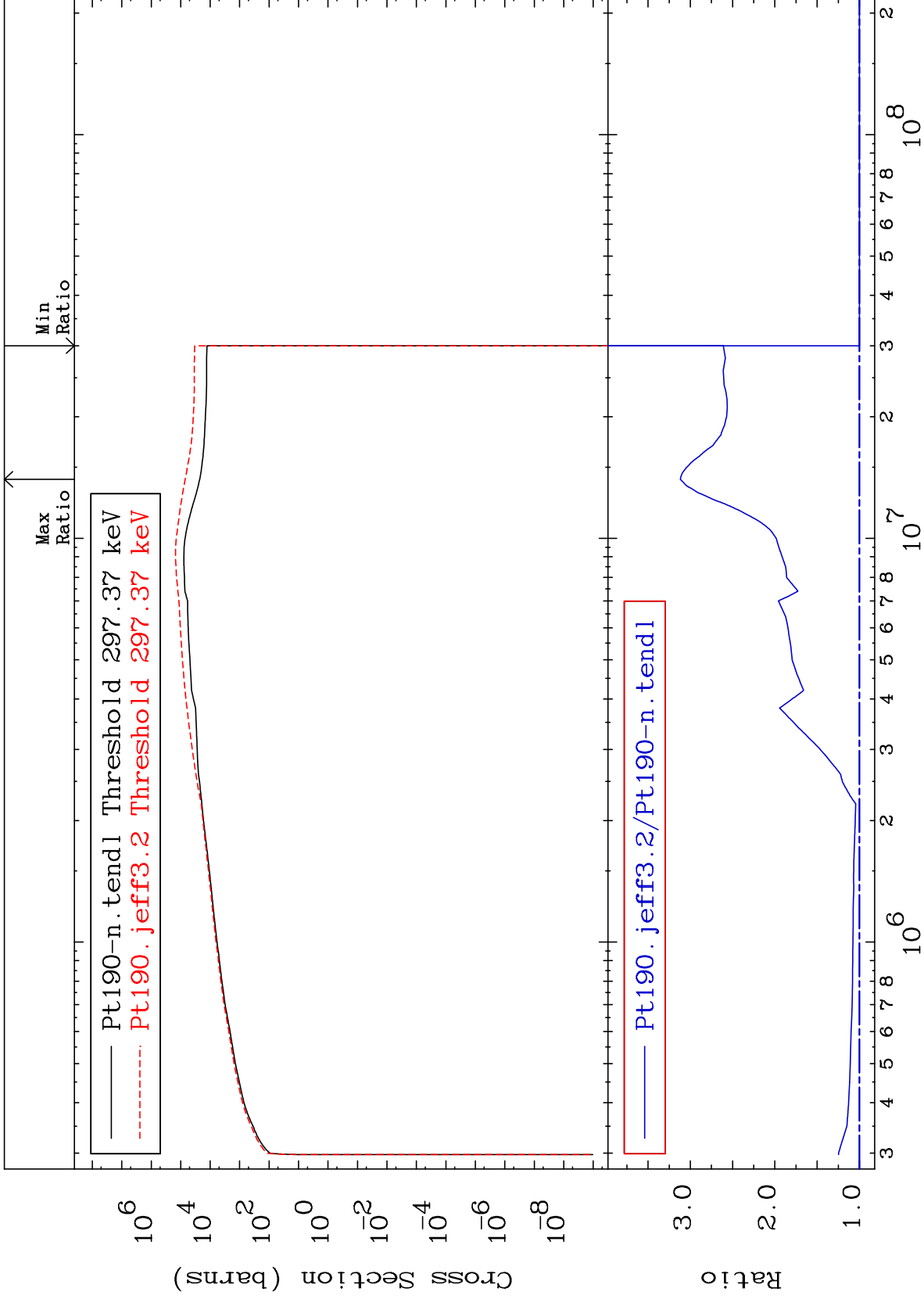
Incident Energy (eV)

78-Pt-190

MAT 7825

Dpa inelastic (mt51-91)
Cross Section

78-Pt-190
0.000 To 211.8 %



76

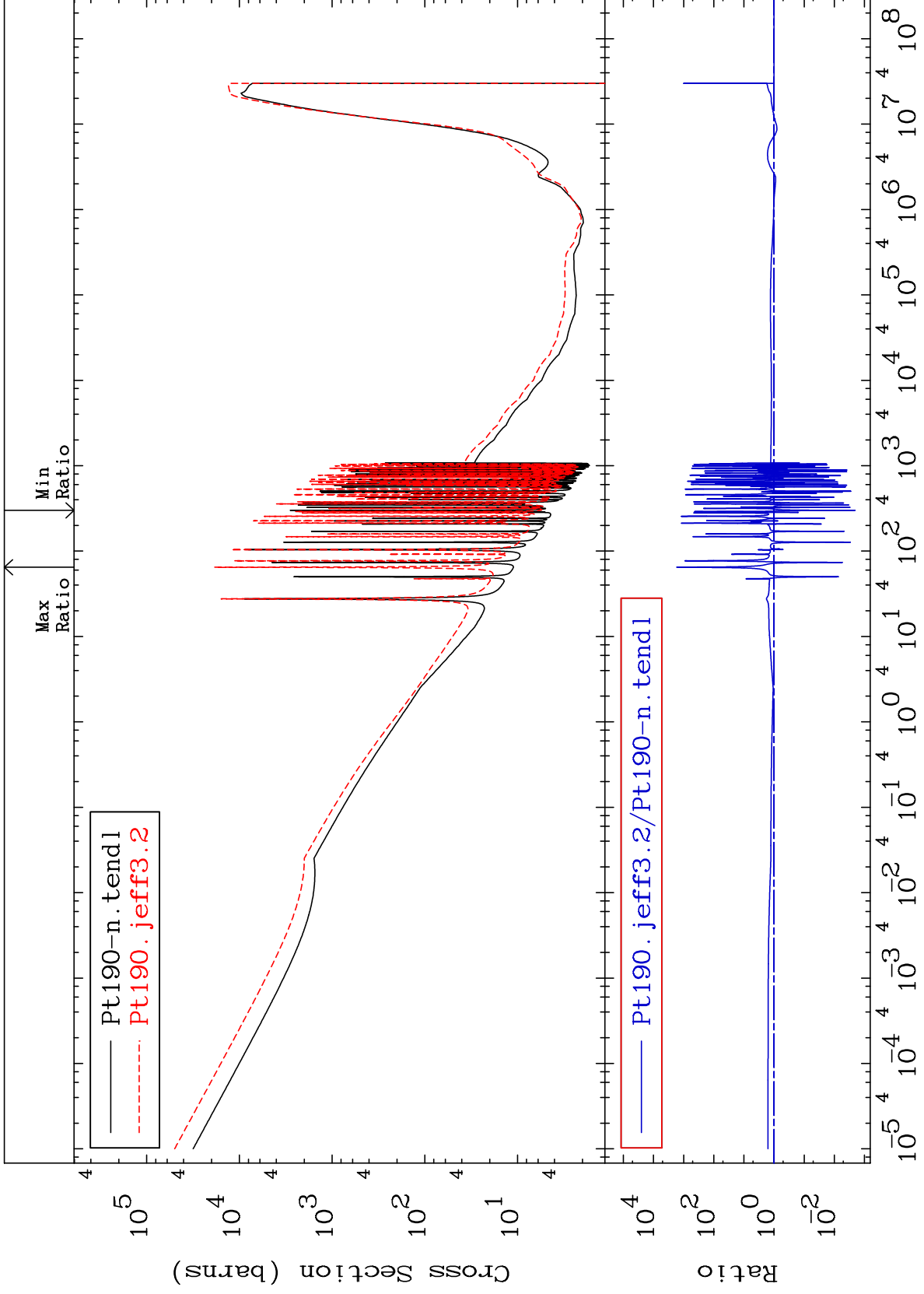
Incident Energy (eV)

78-Pt-190

MAT 7825

Dpa disappearance (mt102 -120)
Cross Section

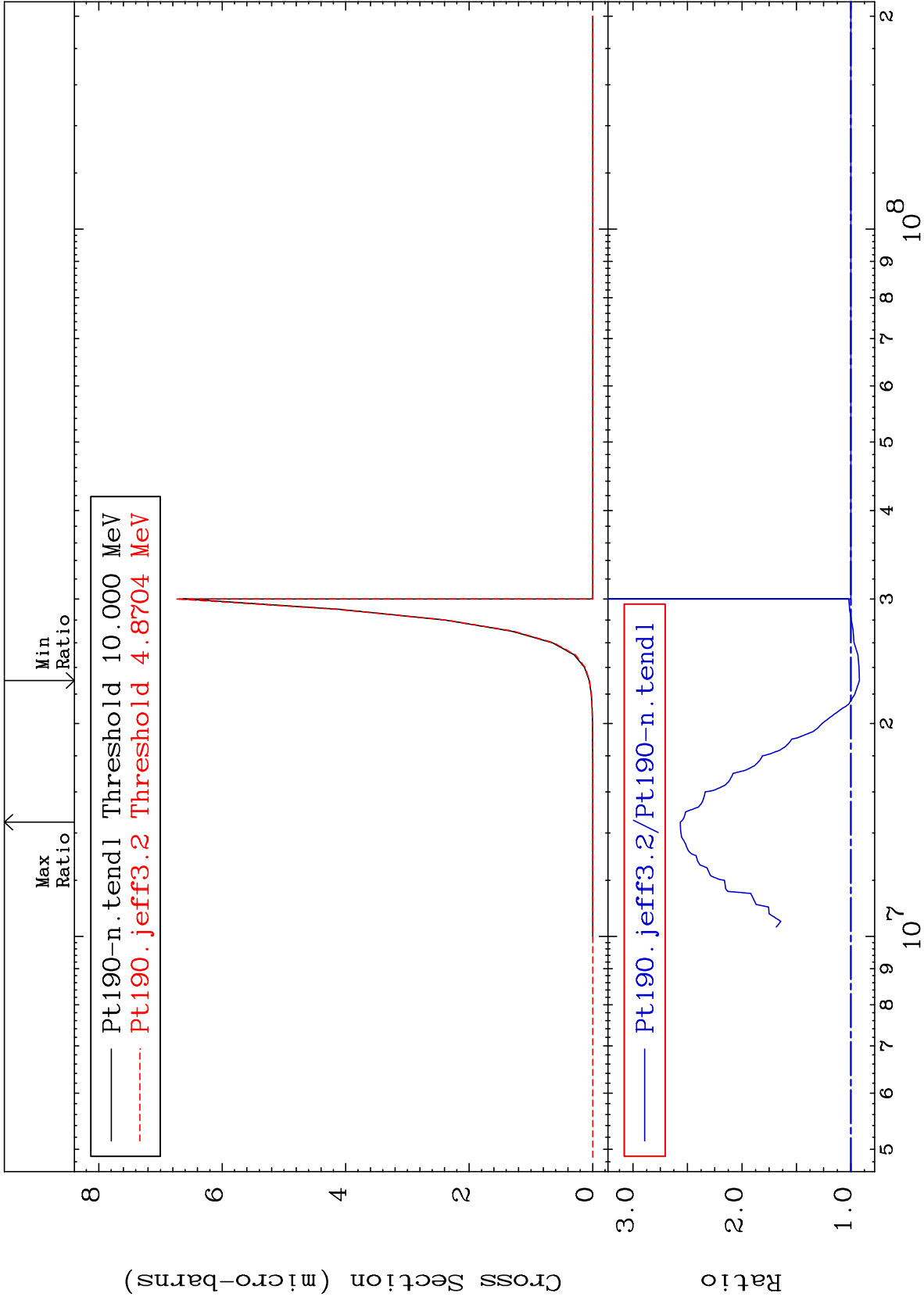
78-Pt-190
-99.80 To 9999. %



77

Incident Energy (eV)

78-Pt-190

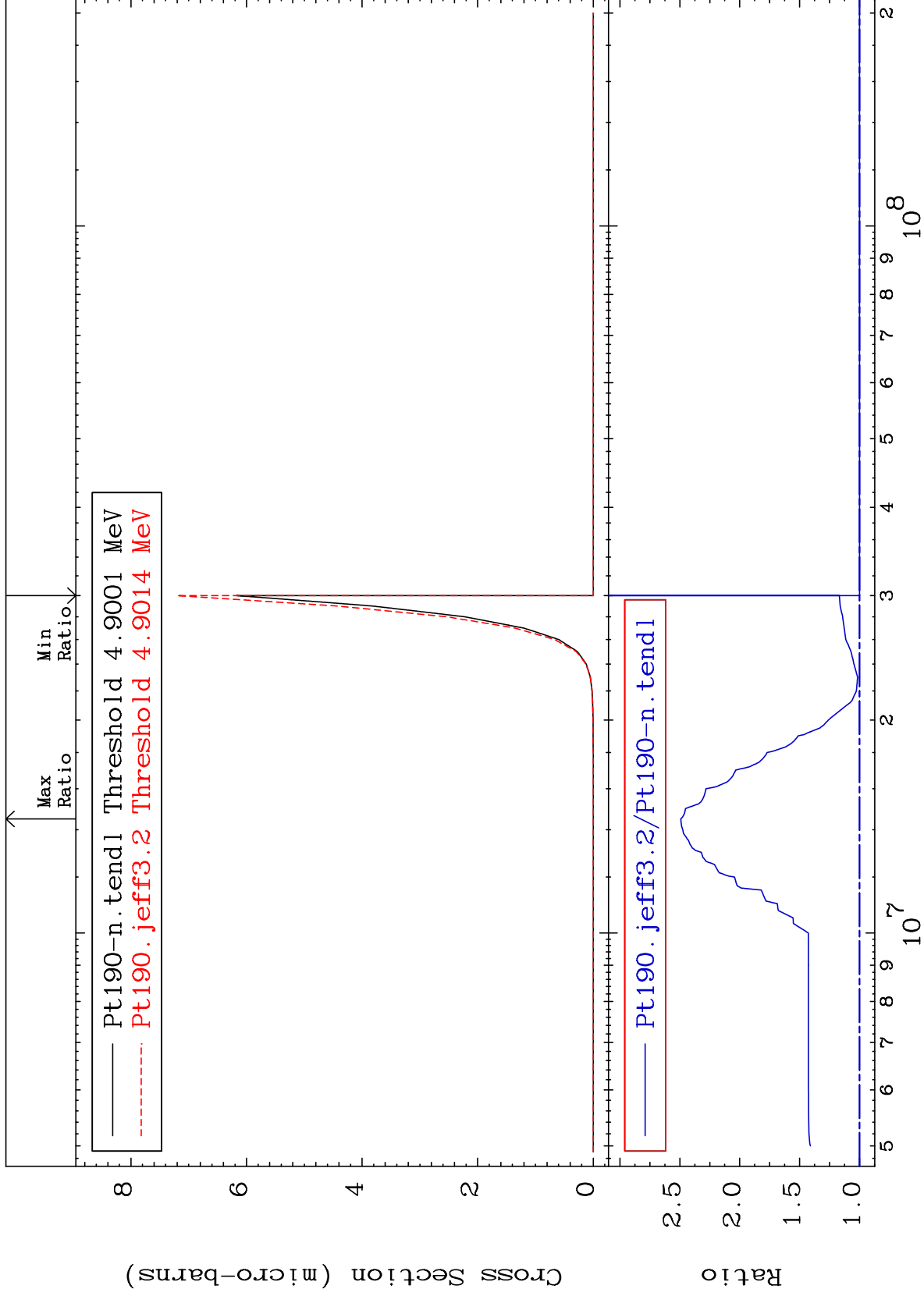


MAT 7825

(n,2p):76-0s-189m1

78-Pt-190

Radionuclide Production Cross Section 0.000 To 149.2 %



79

Incident Energy (eV)

78-Pt-190