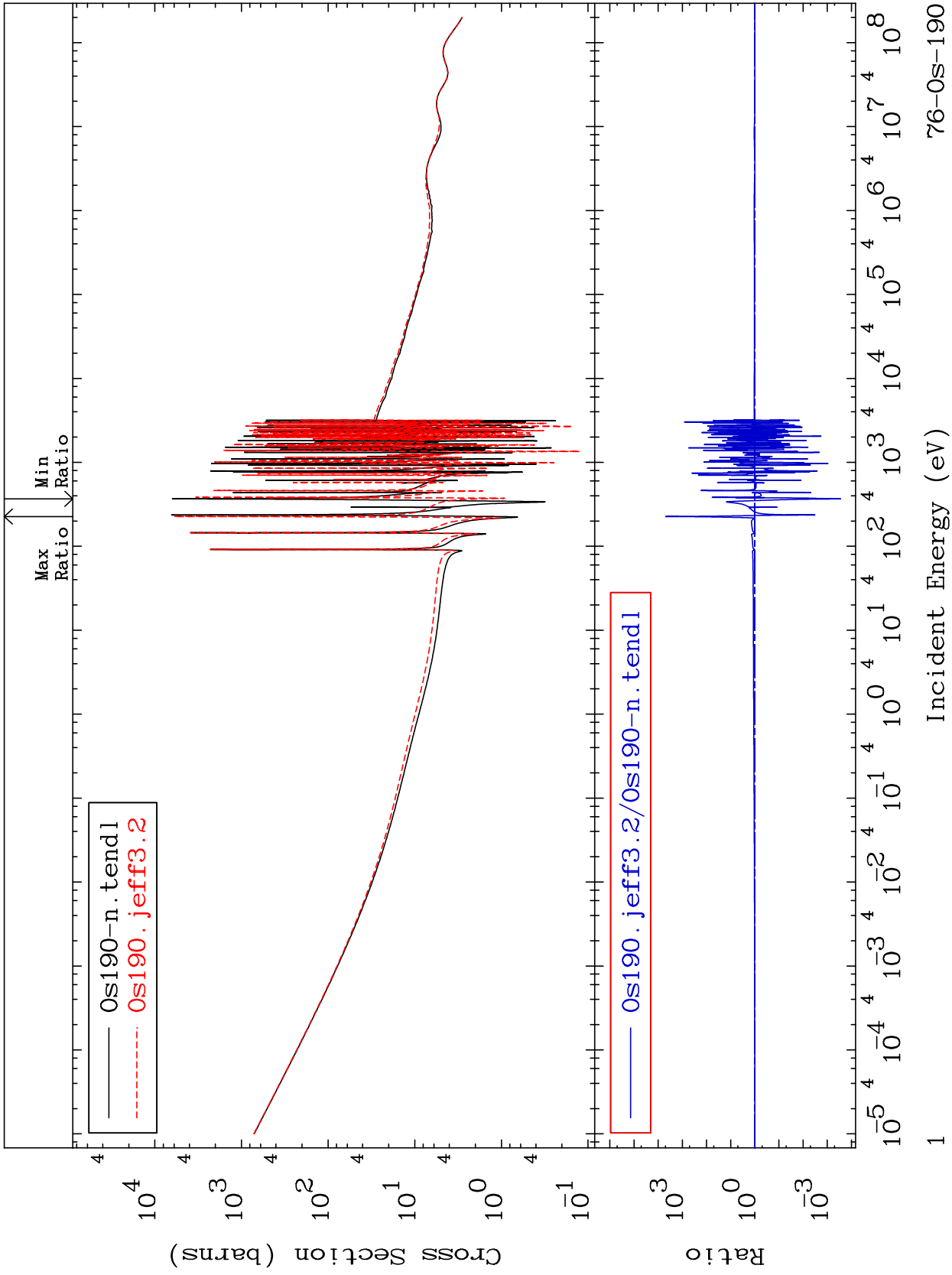


MAT 7643

Total Cross Section
76-0s-190
-99.97 To 9999. %



76-0s-190

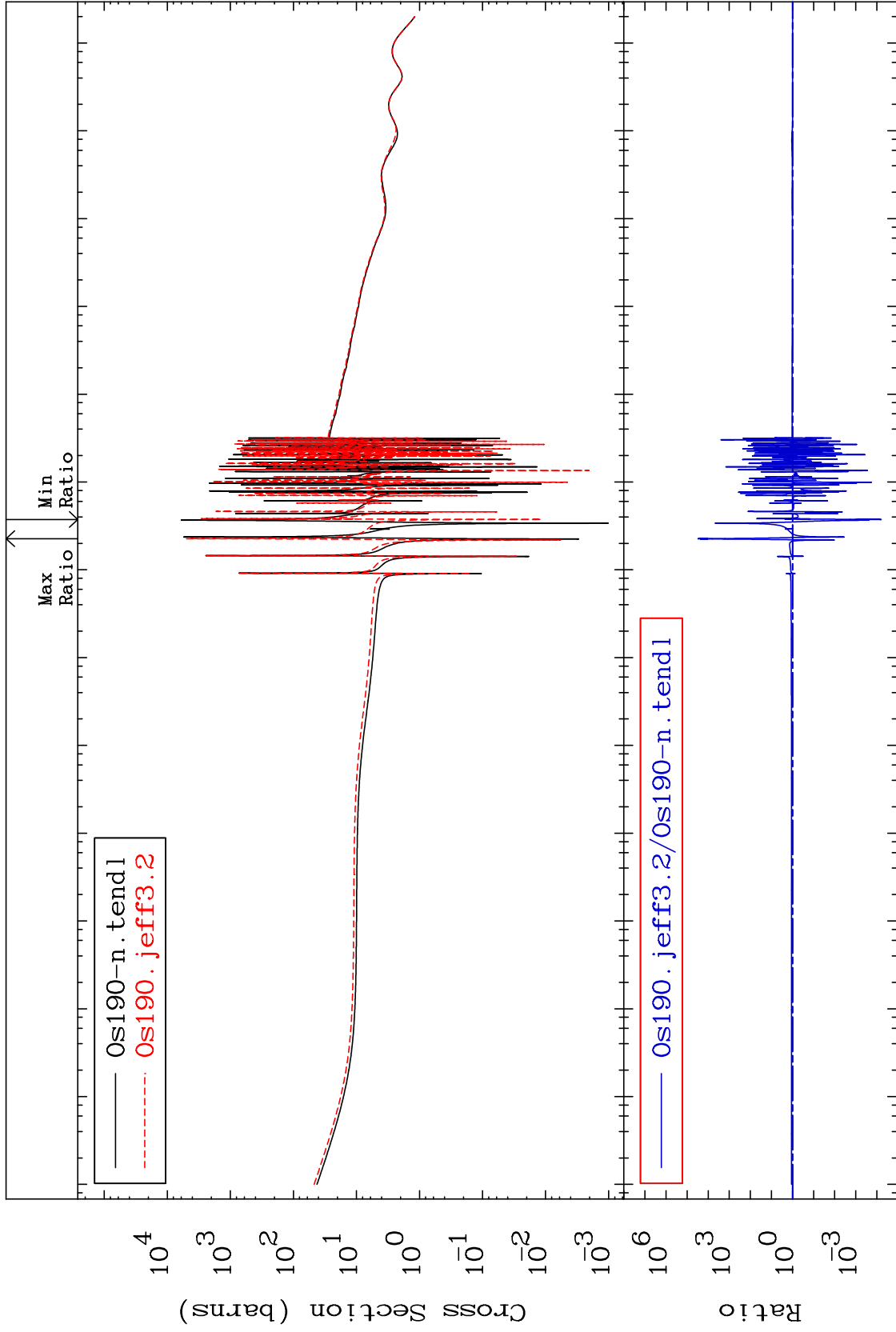
MAT 7643

Elastic

Cross Section

76-0s-190

-99.99 To 9999. %



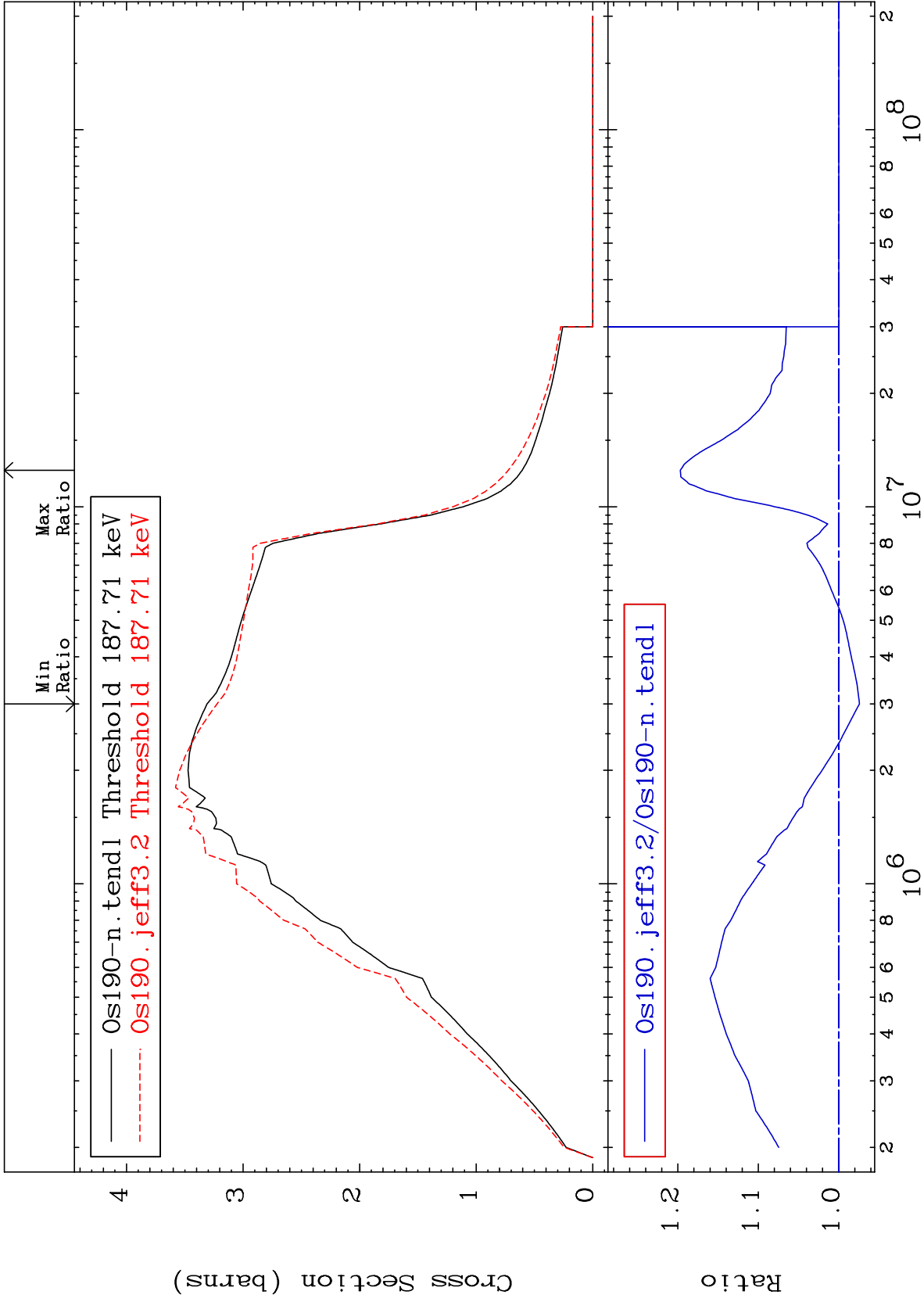
Incident Energy (eV)

76-0s-190

2

MAT 7643

Inelastic Cross Section
76-0s-190
-2.581 To 19.69 %



3

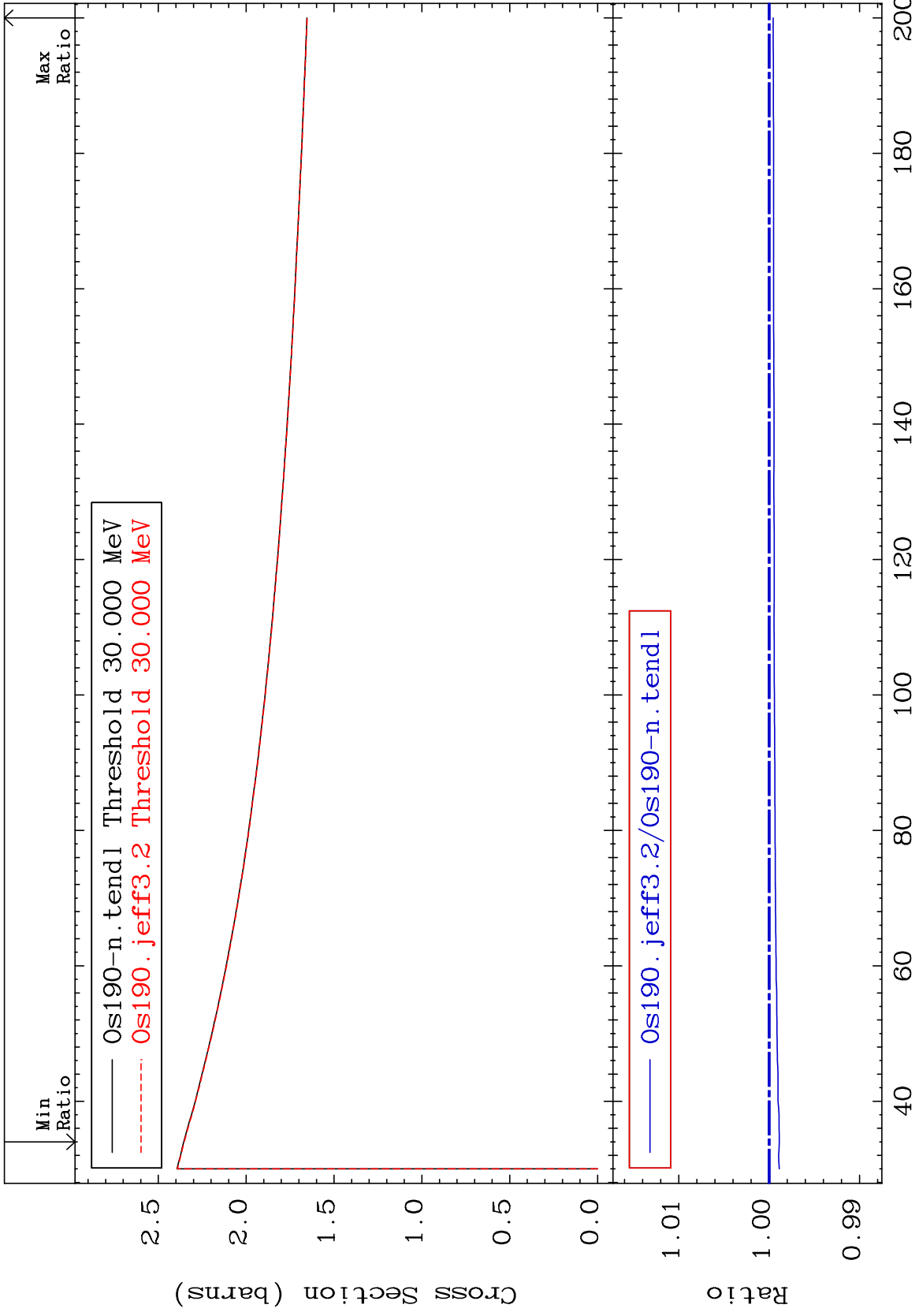
Incident Energy (eV)

76-0s-190

MAT 7643

(n, remainder)
Cross Section

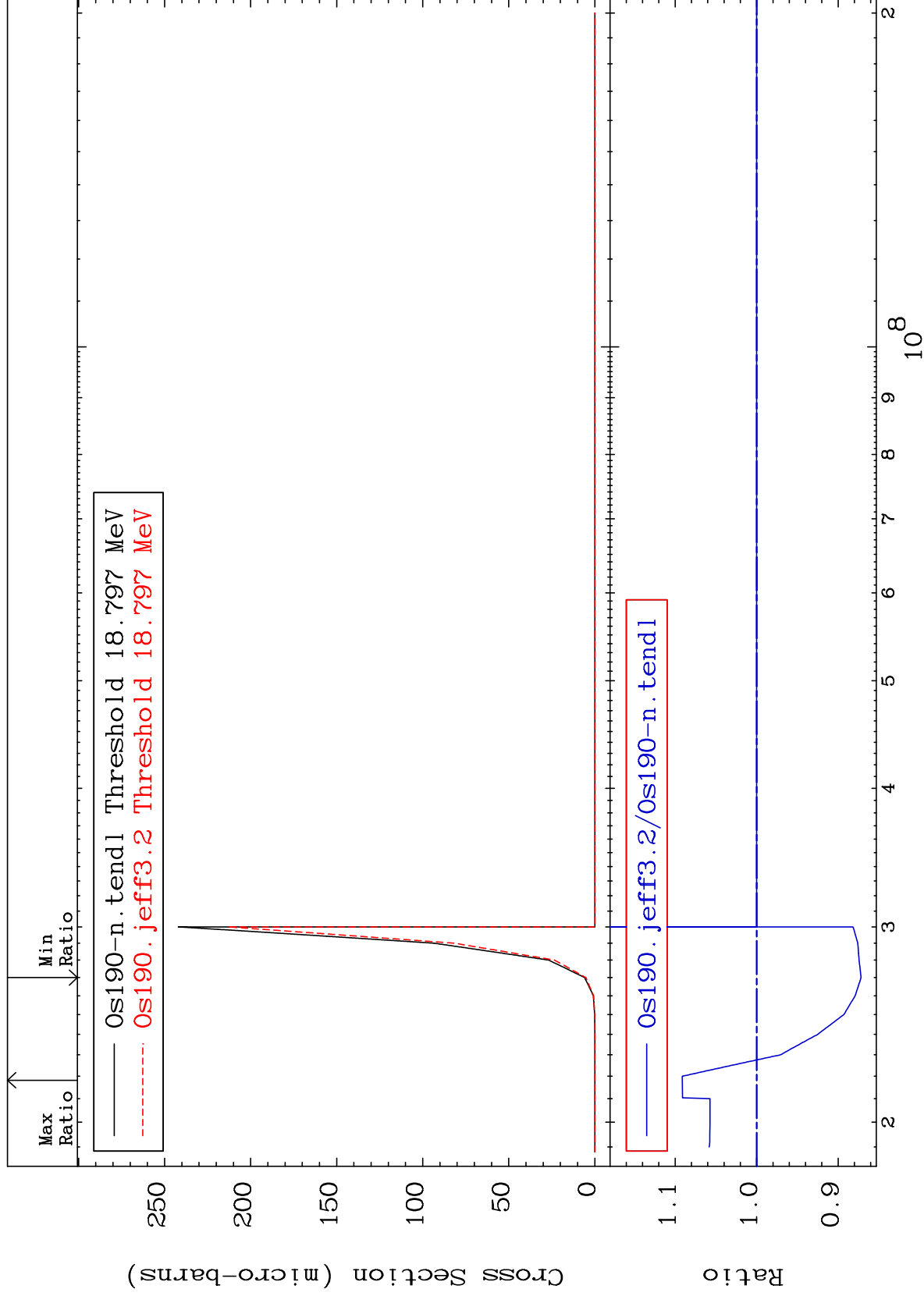
76-0s-190
-0.112 To -0.044%



MAT 7643

(n,2n) d
Cross Section

76-0s-190
-12.82 To 9.119 %



5

76-0s-190

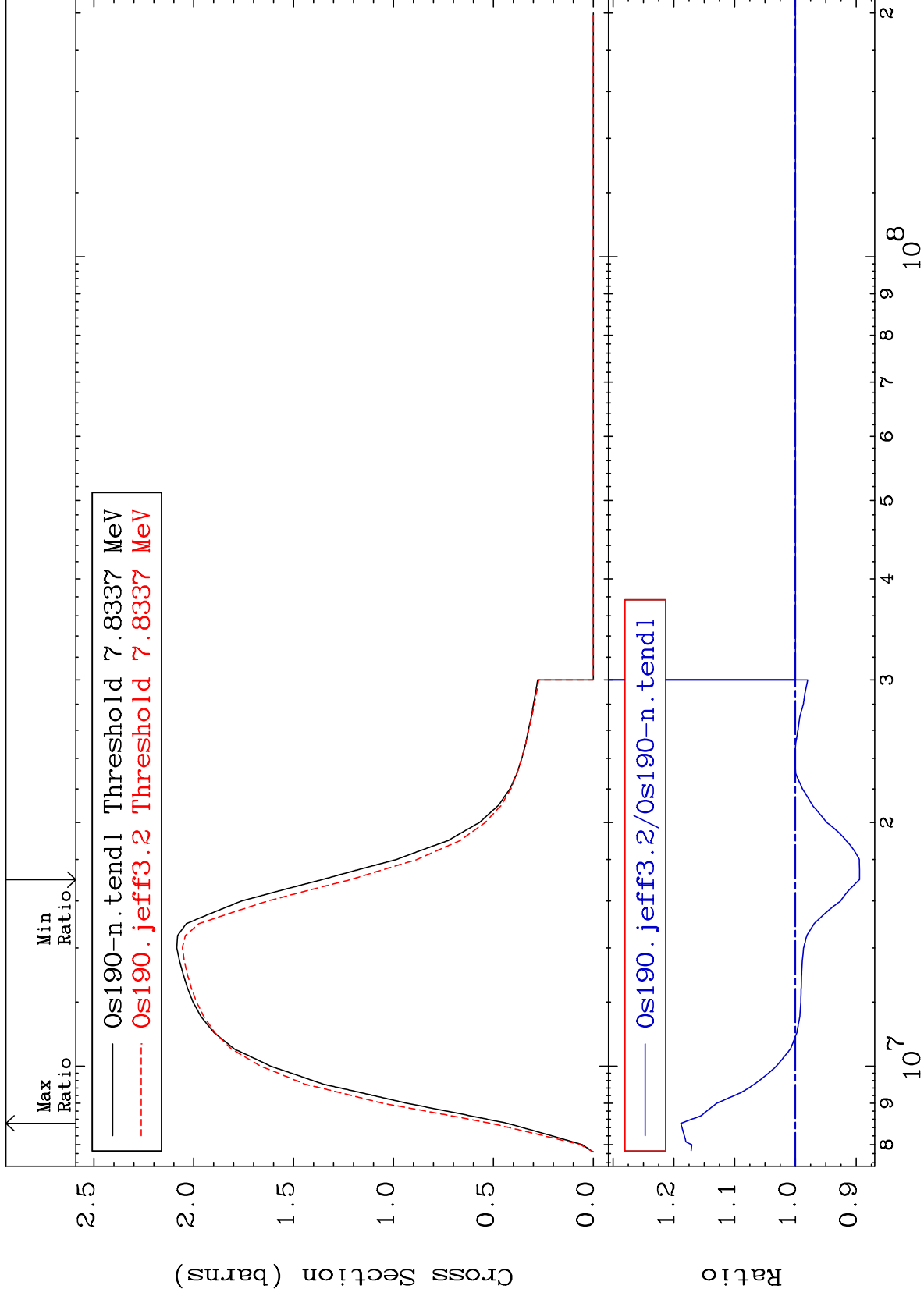
MAT 7643

(n,2n)

76-0s-190

Cross Section

-10.56 To 18.87 %



6

Incident Energy (eV)

76-0s-190

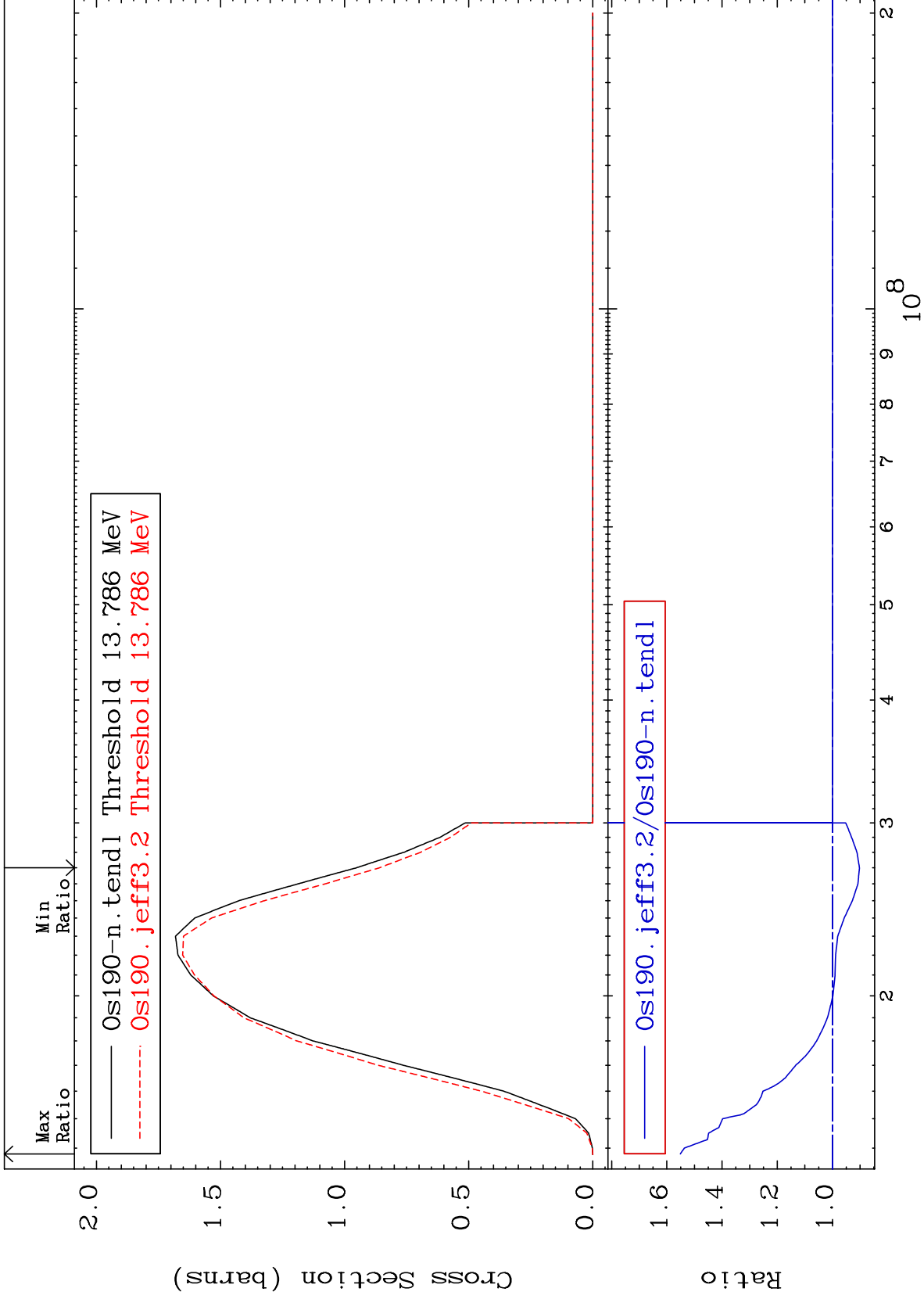
MAT 7643

(n,3n)

76-0s-190

Cross Section

-9.759 To 55.11 %



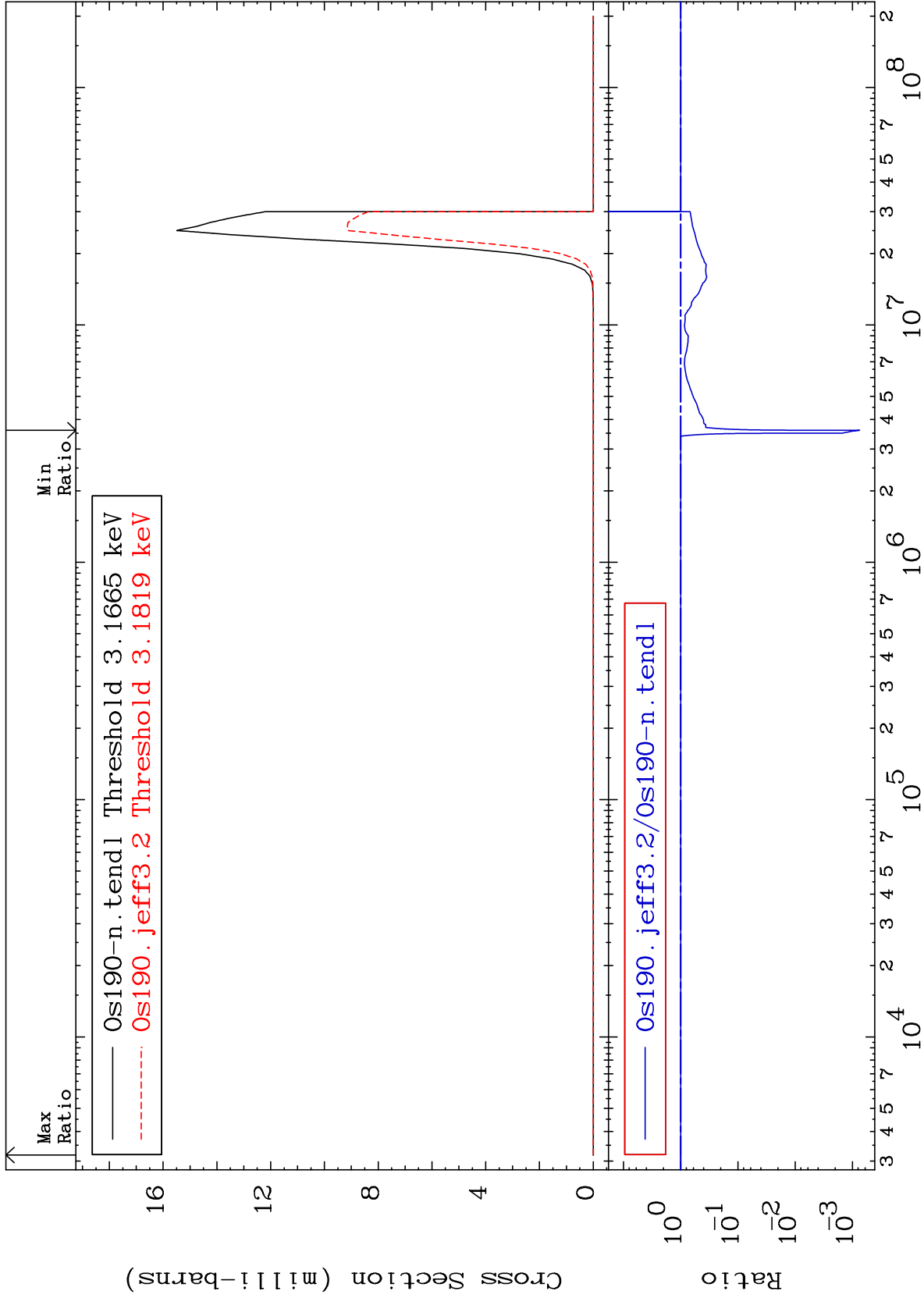
MAT 7643

(n, n') α

76-0s-190

Cross Section

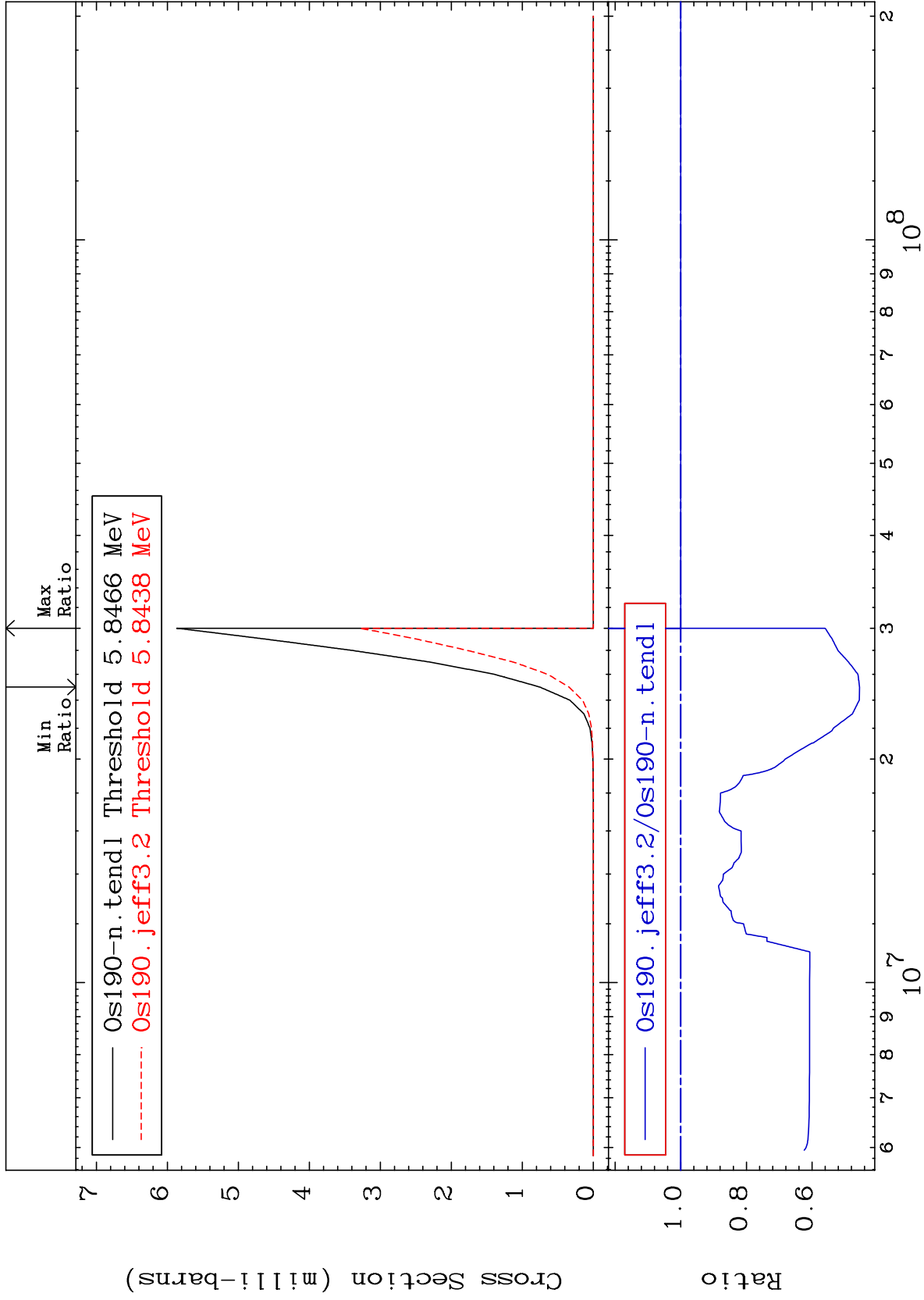
-99.92 To 0.000 %



MAT 7643

(n,2n) α
Cross Section

76-0s-190
-54.46 To 0.000 %



9

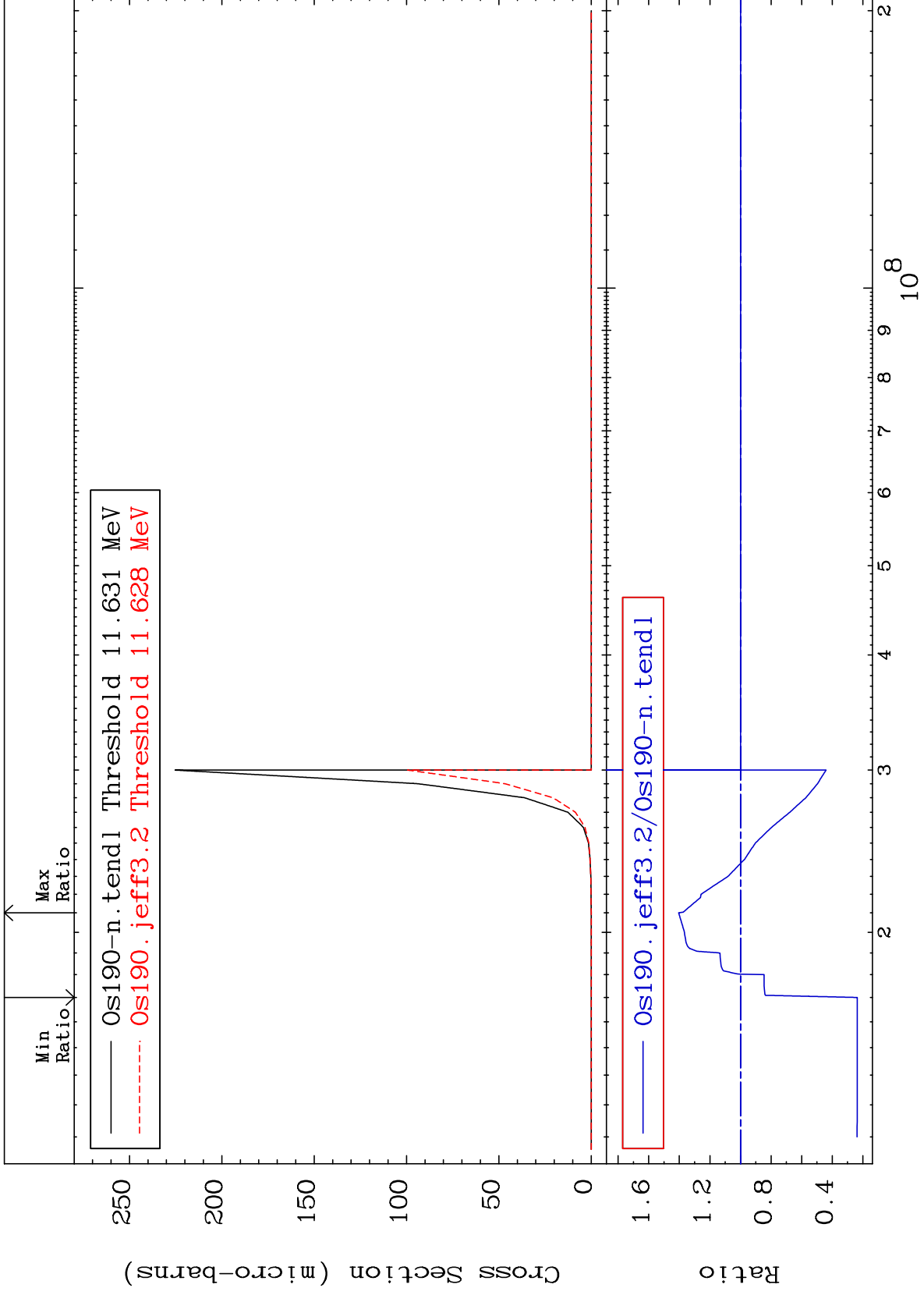
Incident Energy (eV)

76-0s-190

MAT 7643

(n,3n) α
Cross Section

76-0s-190
-76.35 To 40.44 %



10

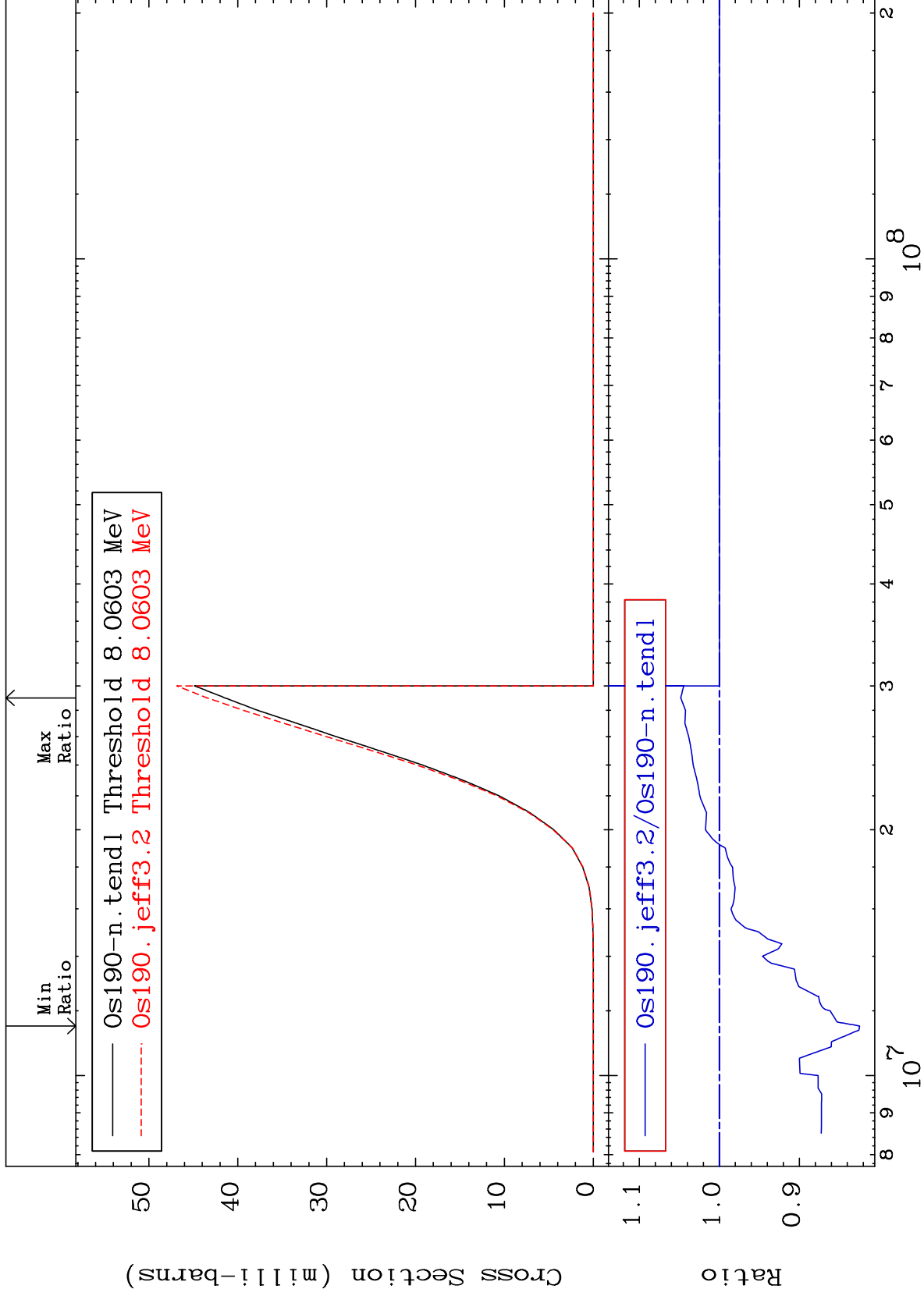
Incident Energy (eV)

76-0s-190

MAT 7643

(n, n') p
Cross Section

76-0s-190
-17.53 To 4.823 %



11

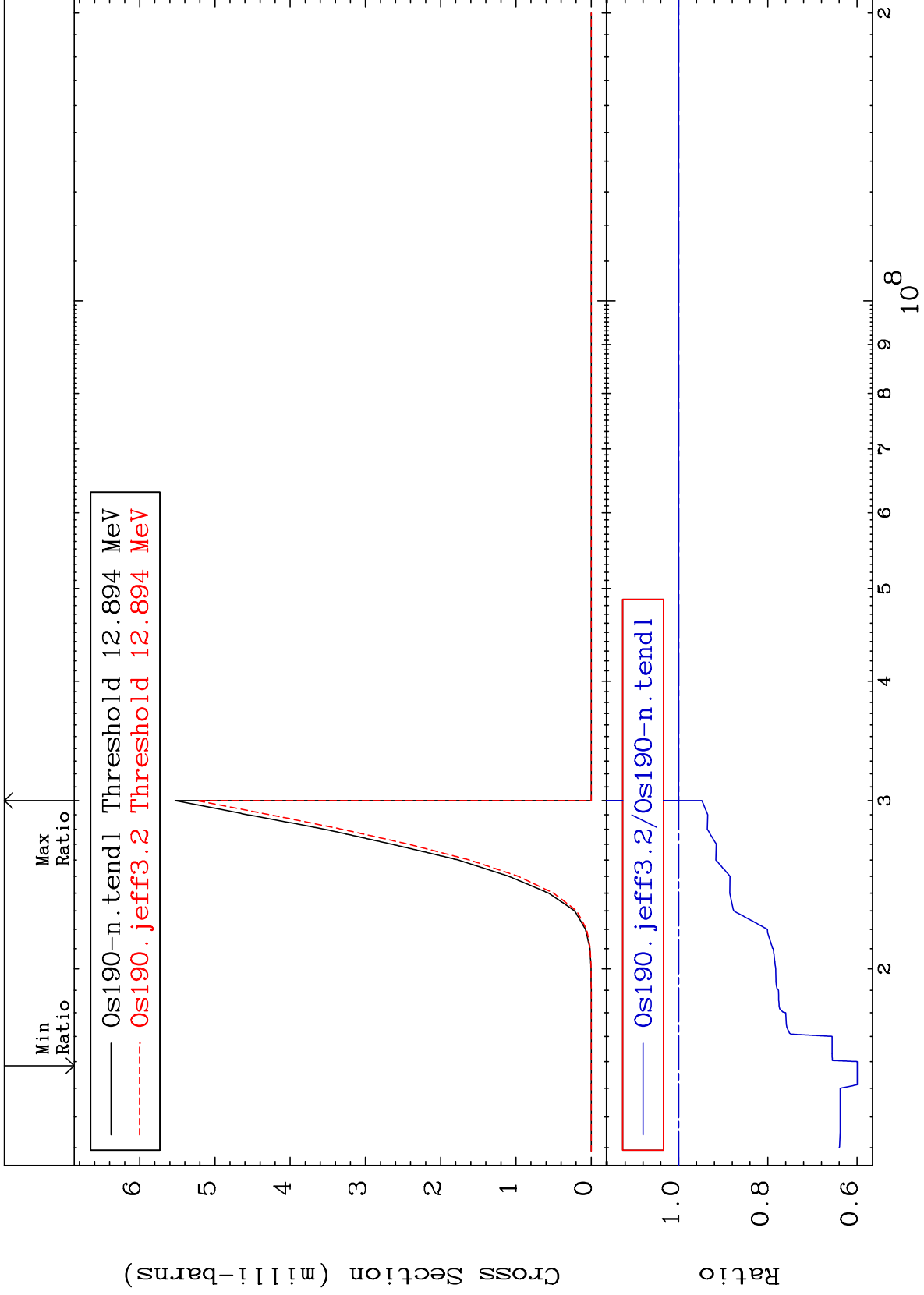
Incident Energy (eV)

76-0s-190

MAT 7643

(n,n') d
Cross Section

76-0s-190
-40.04 To 0.000 %



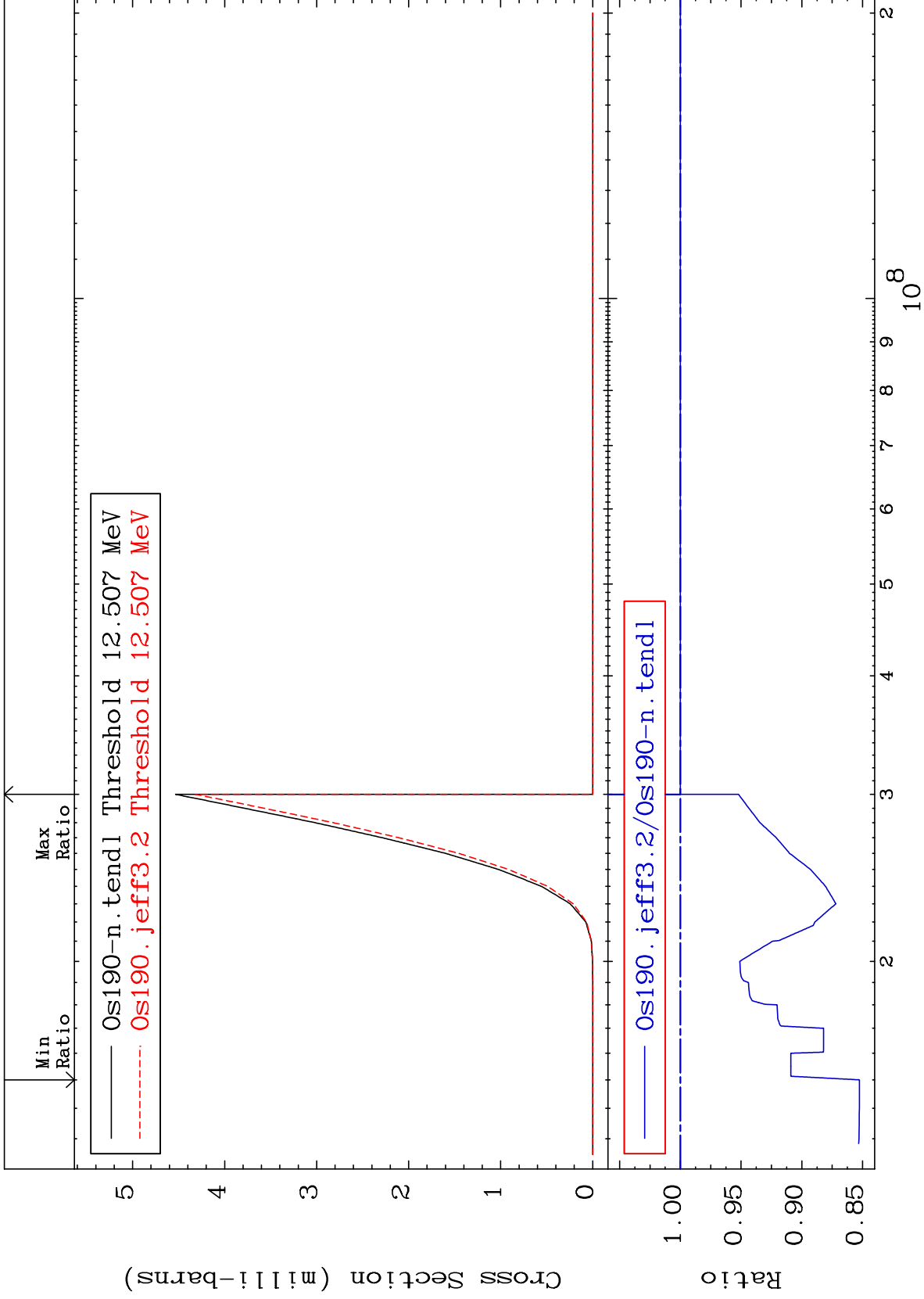
MAT 7643

(n,n') t

76-0s-190

Cross Section

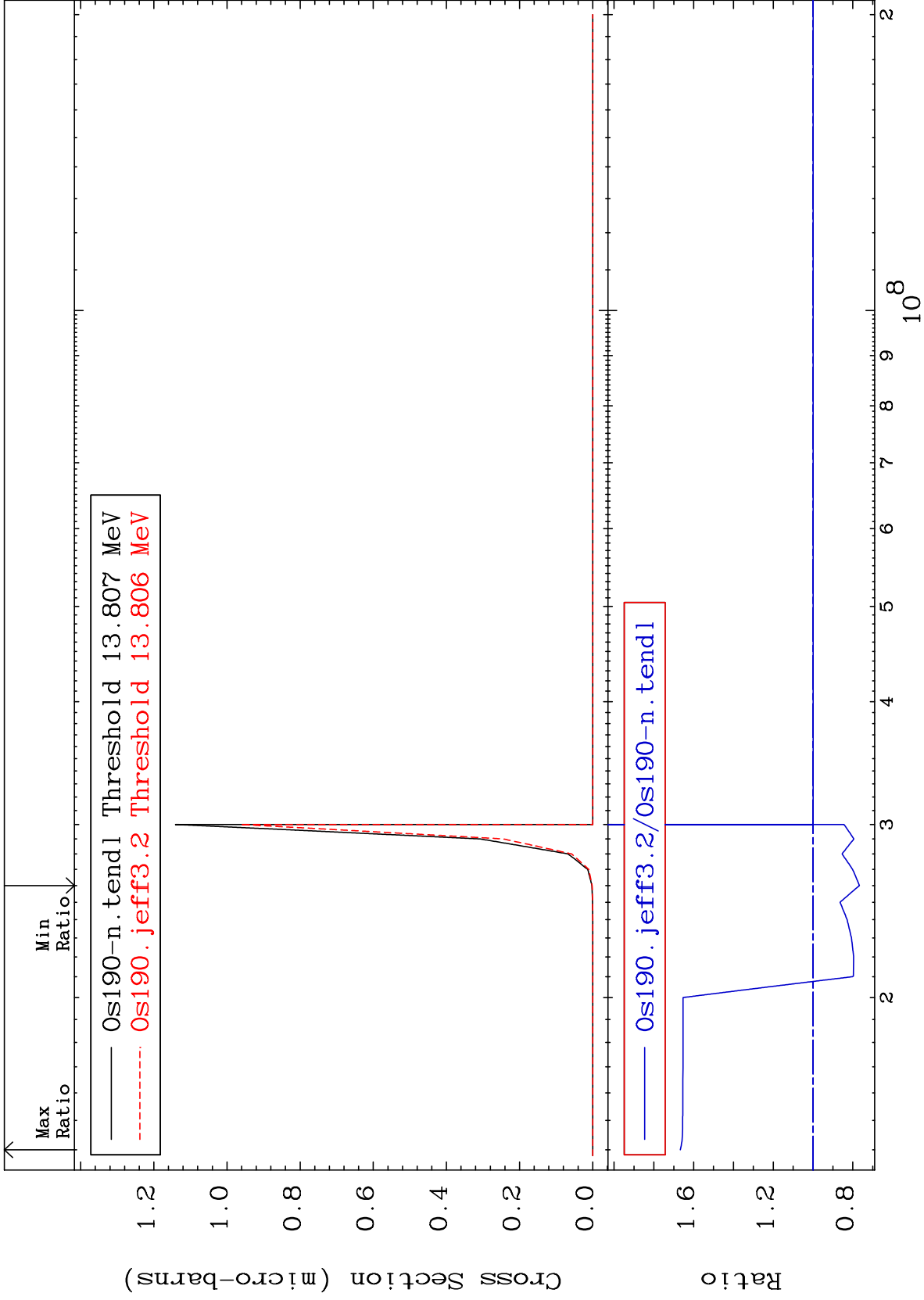
-14.74 To 0.000 %



MAT 7643

(n, n') He-3
Cross Section

76-0s-190
-23.32 To 66.69 %



MAT 7643

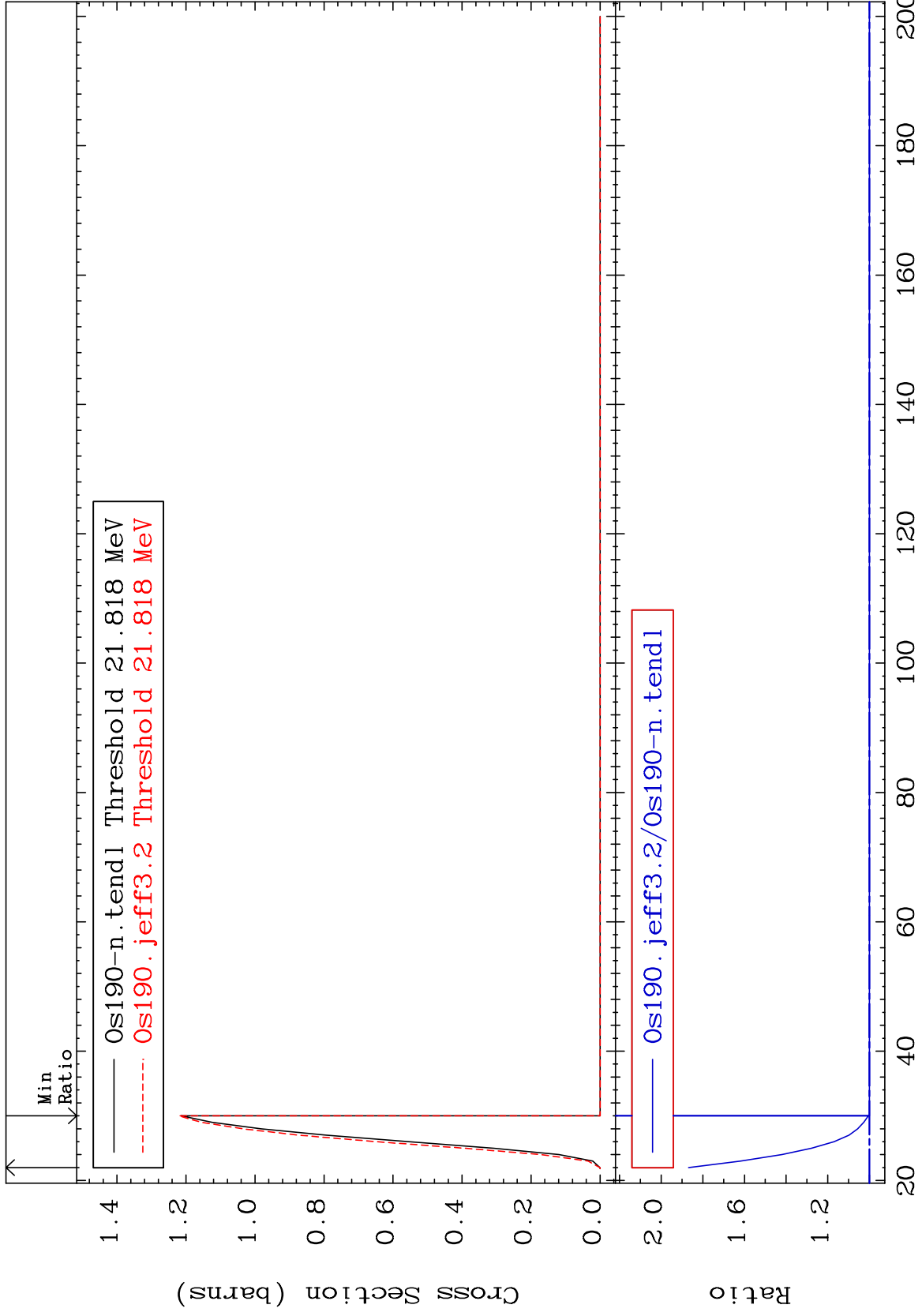
(n,4n)

⁷⁶Os-190

Cross Section

0.000

To 86.82 %



15

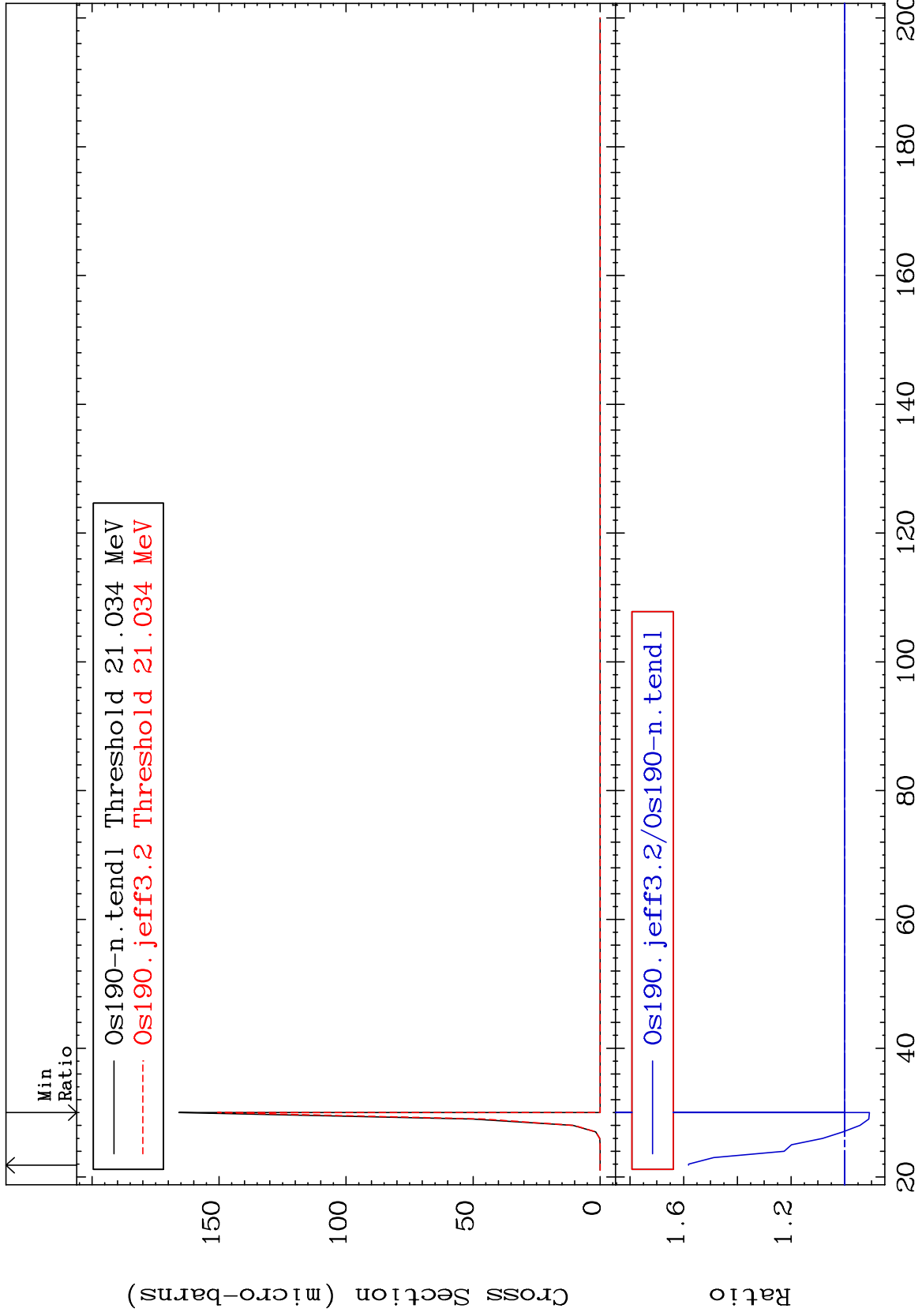
Incident Energy (MeV)

⁷⁶Os-190

MAT 7643

(n,3n) p
Cross Section

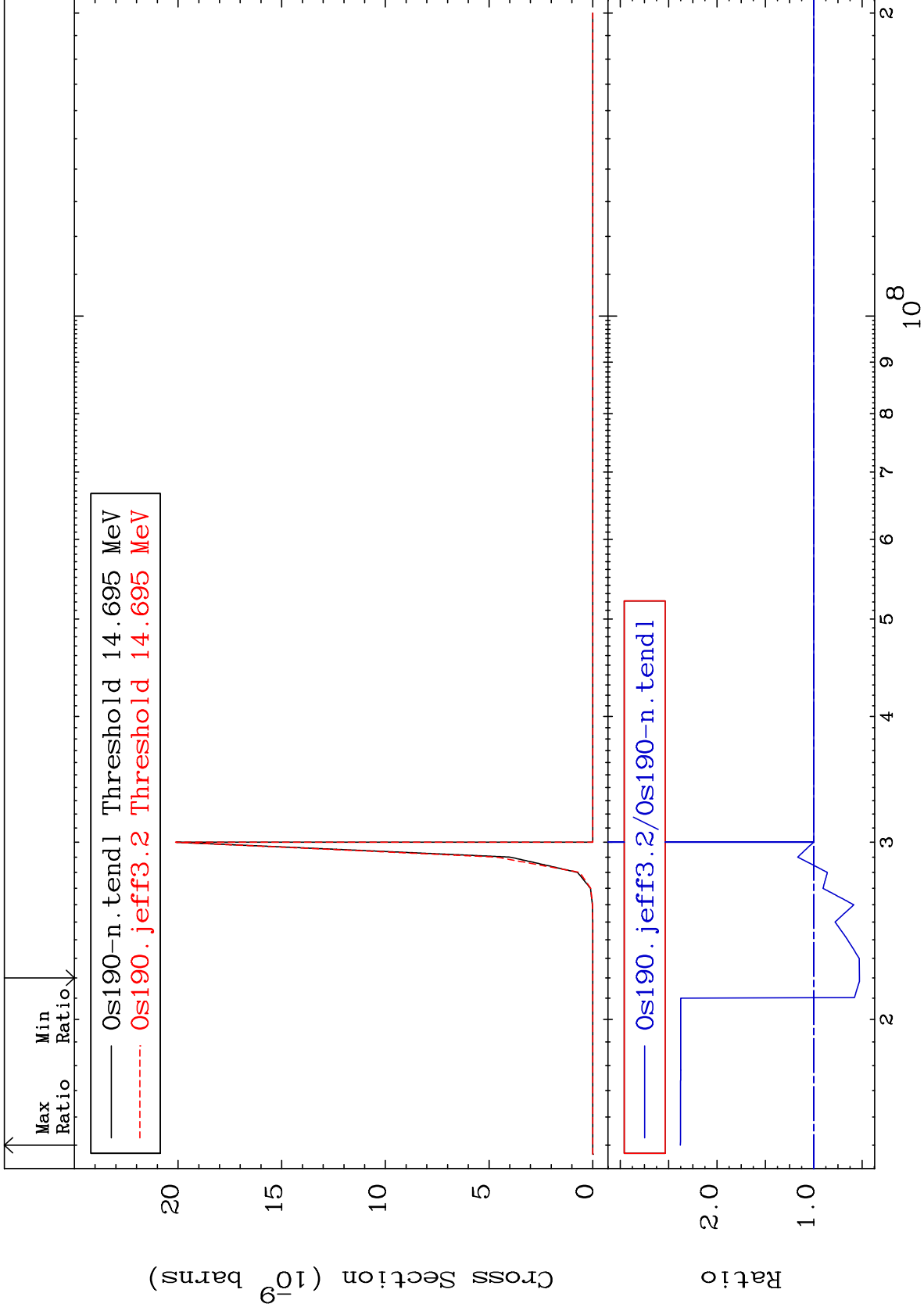
76-0s-190
-9.224 To 58.16 %



MAT 7643

(n,2n) p
Cross Section

76-0s-190
-47.22 To 137.9 %



18

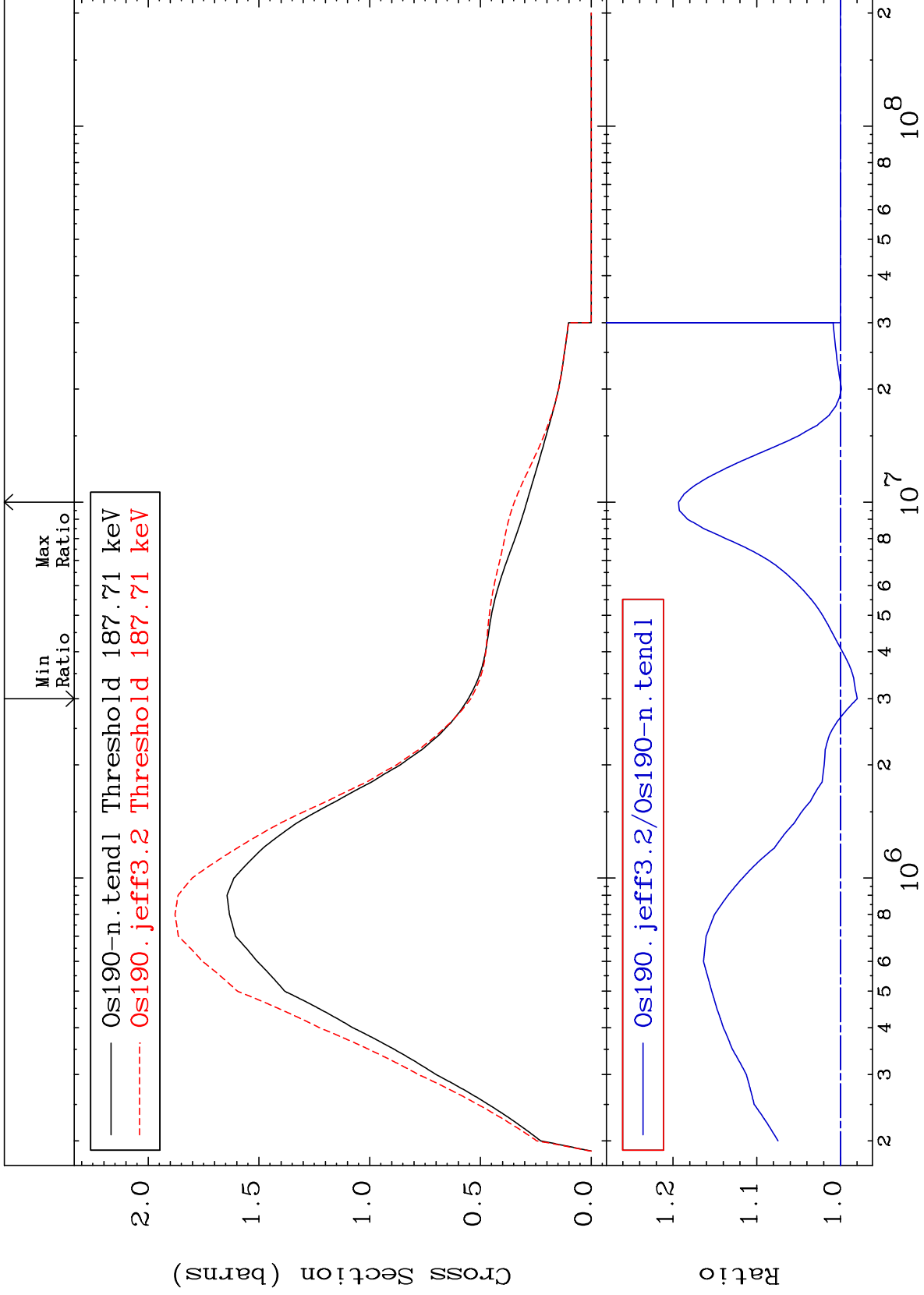
Incident Energy (eV)

76-0s-190

MAT 7643

186.7 keV (n,n') Level
Cross Section

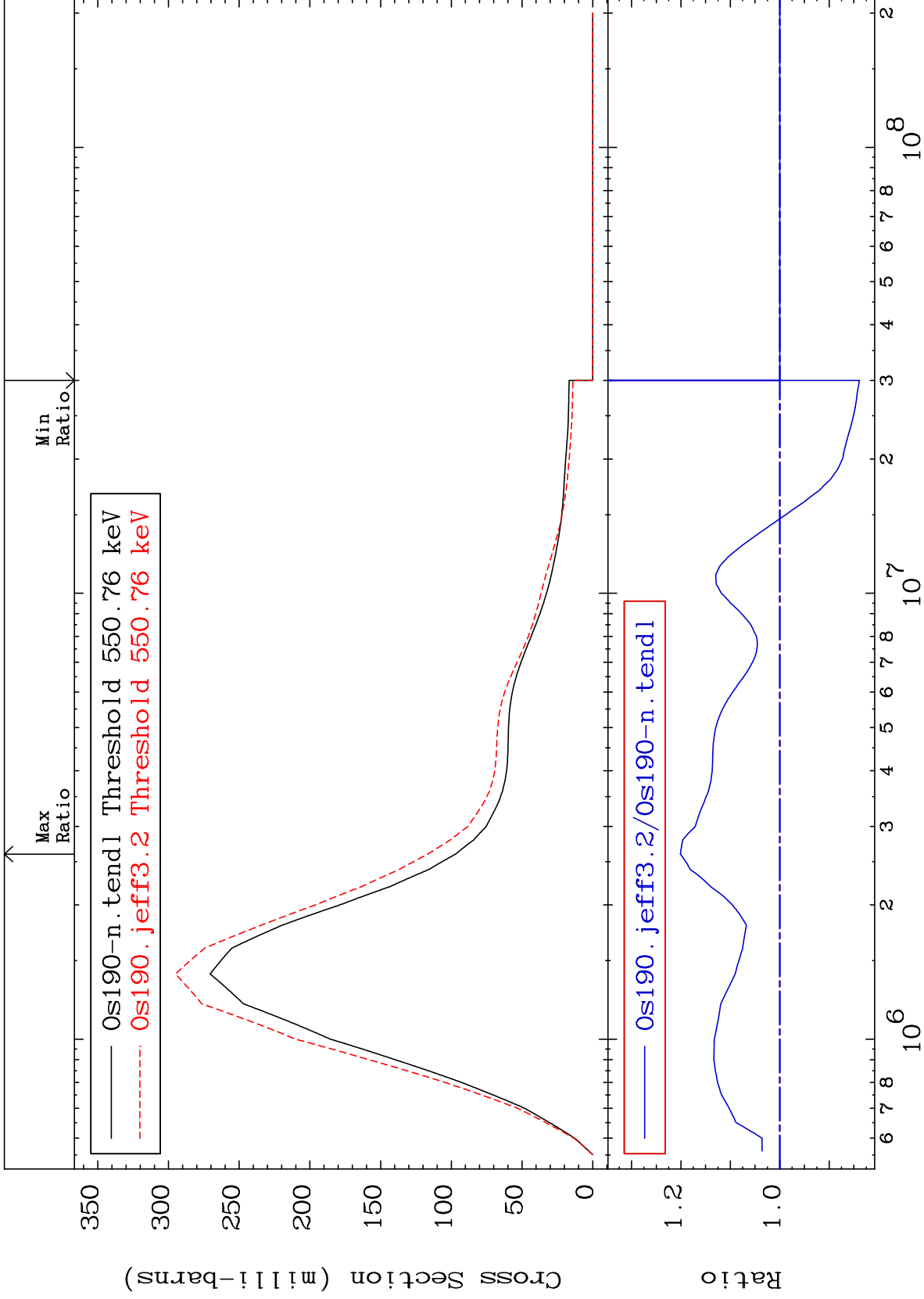
76-Os-190
-2.013 To 19.34 %



MAT 7643

547.9 keV (n,n') Level
Cross Section

76-0s-190
-16.12 To 20.12 %



20

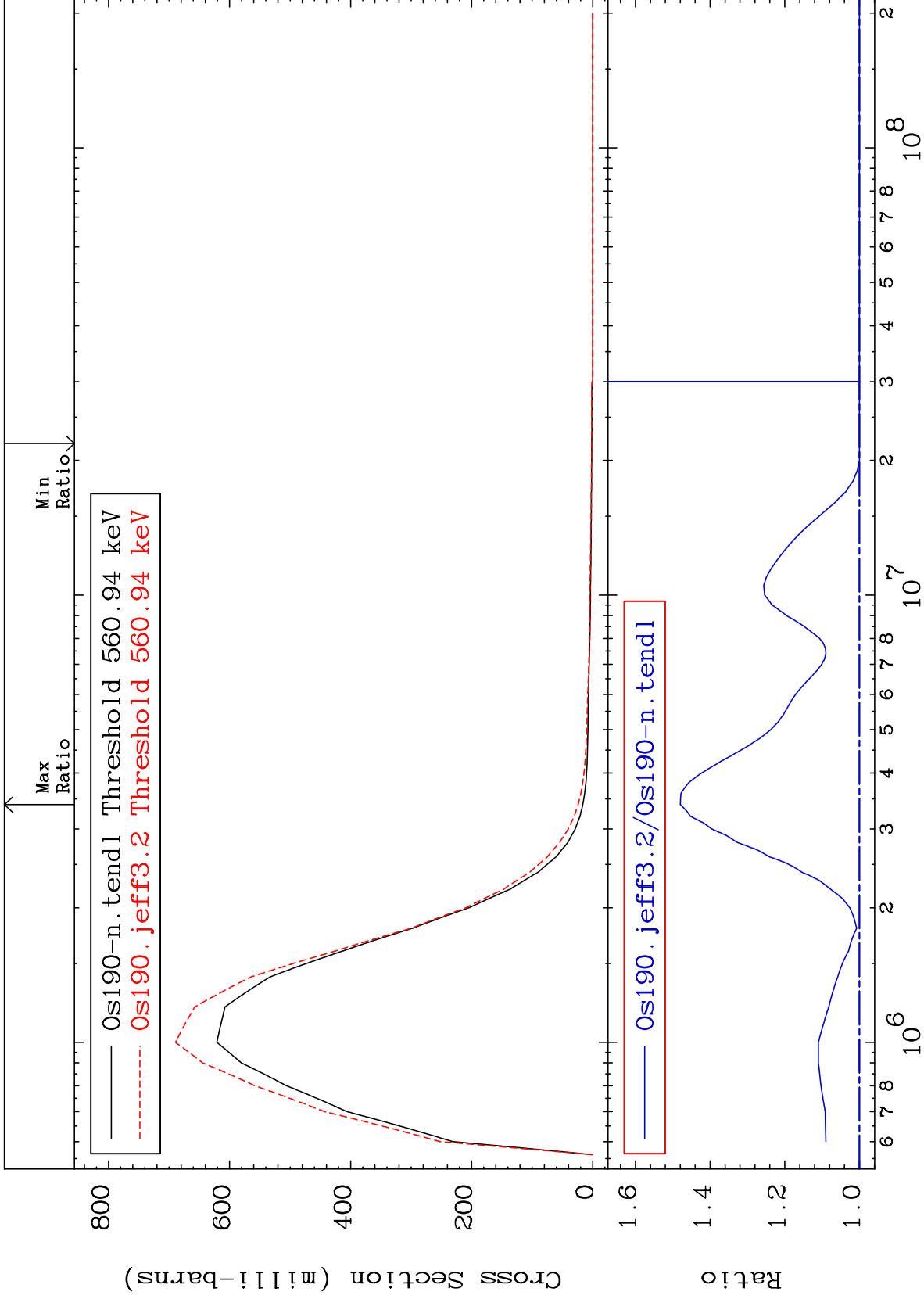
Incident Energy (eV)

76-0s-190

MAT 7643

558.0 keV (n,n') Level
Cross Section

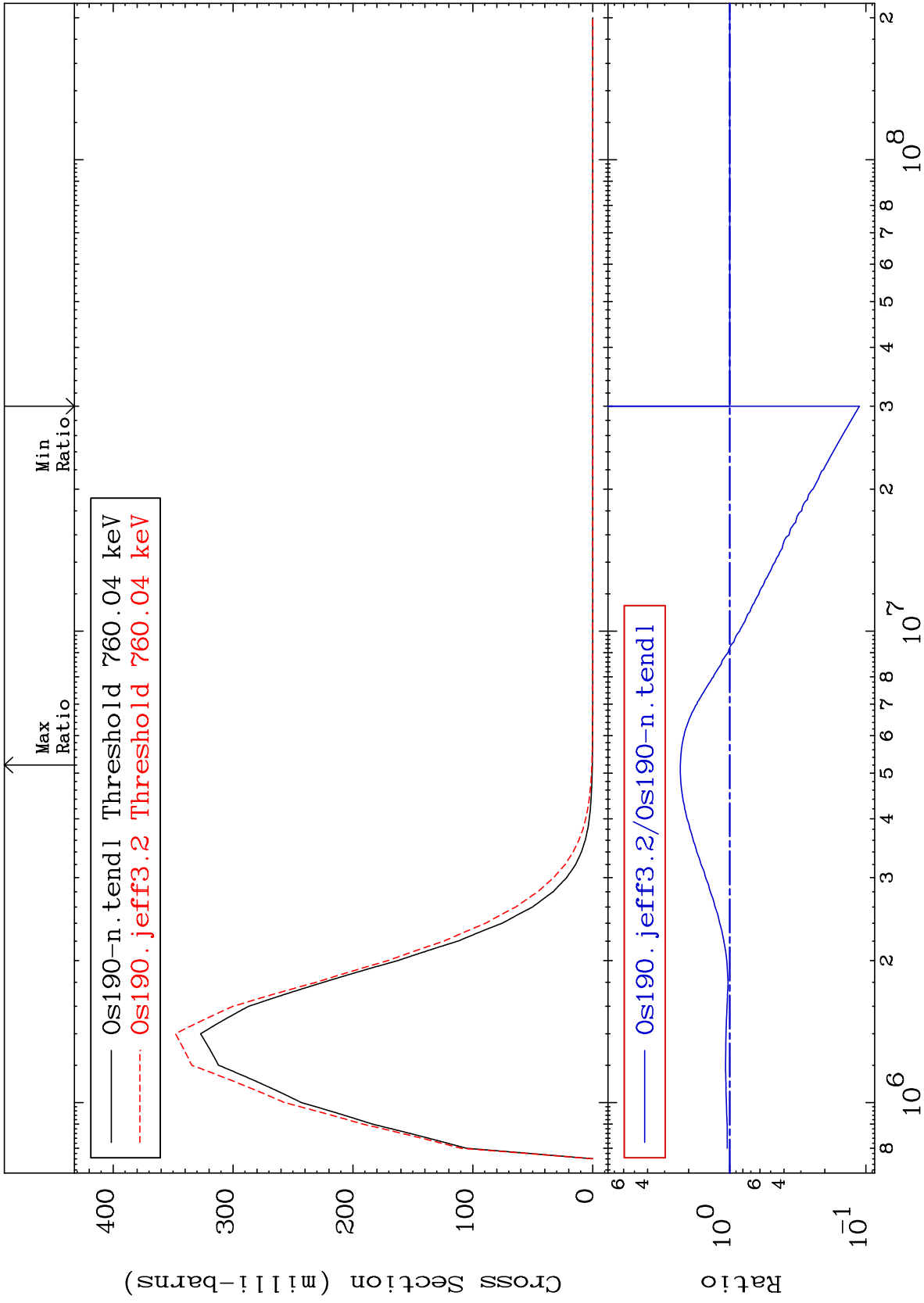
76-0s-190
0.000 To 47.98 %



MAT 7643

756.0 keV (n,n') Level
Cross Section

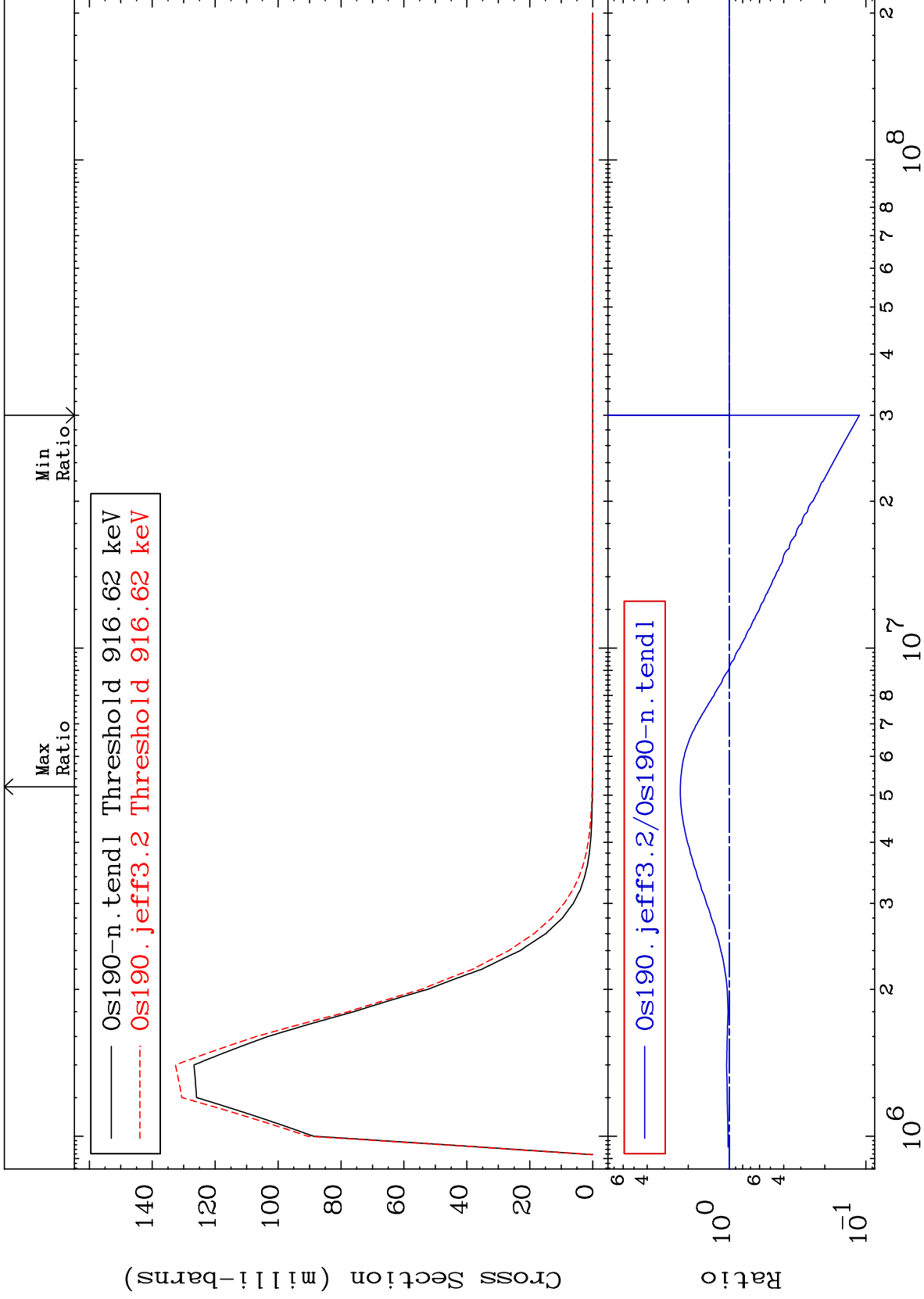
76-0s-190
-88.84 To 130.1 %



MAT 7643

911.8 keV (n,n') Level
Cross Section

⁷⁶Os-¹⁹⁰Os
-88.85 To 128.5 %



23

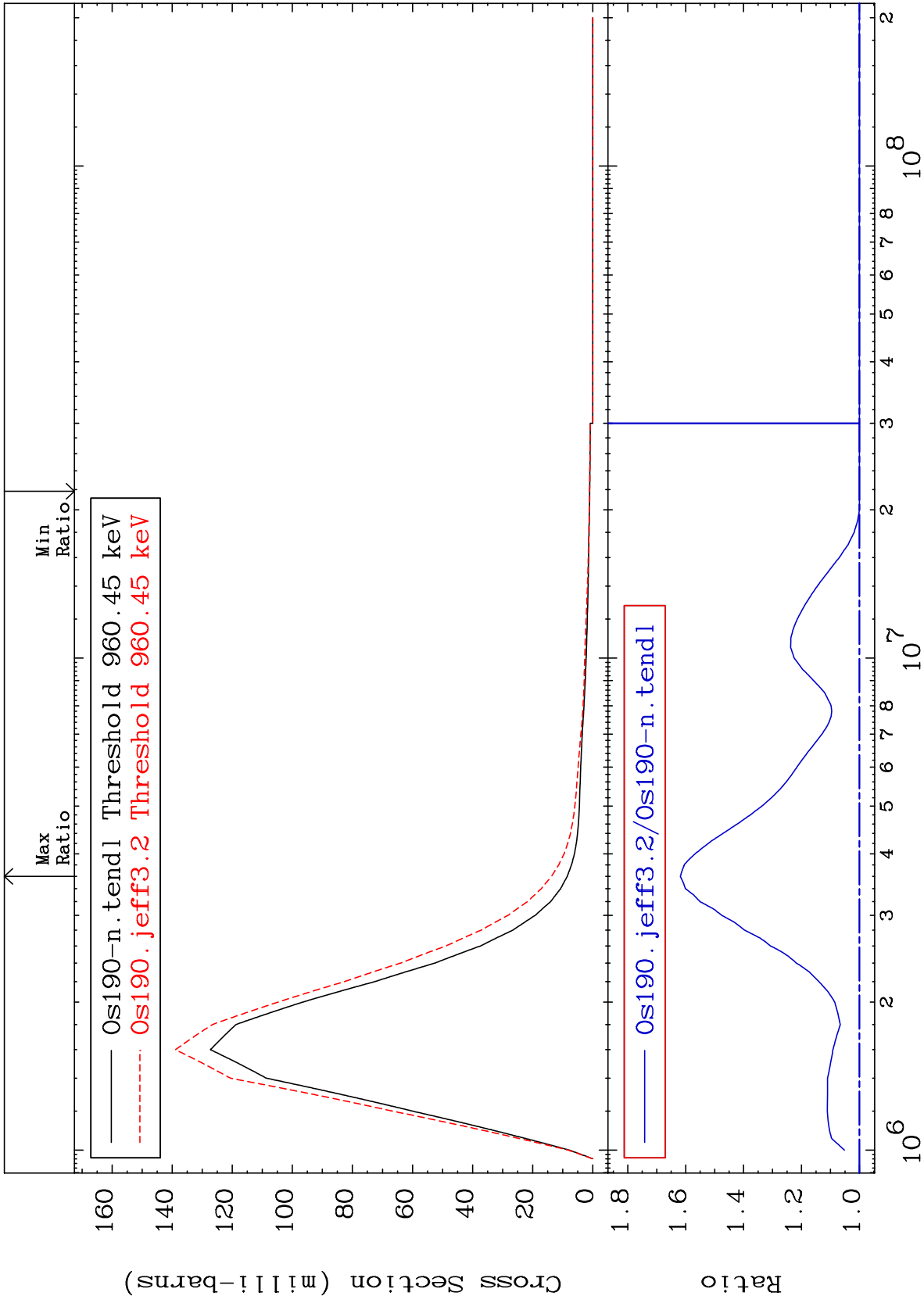
Incident Energy (eV)

⁷⁶Os-¹⁹⁰Os

MAT 7643

955.4 keV (n,n') Level
Cross Section

76-0s-190
0.000 To 61.84 %



24

Incident Energy (eV)

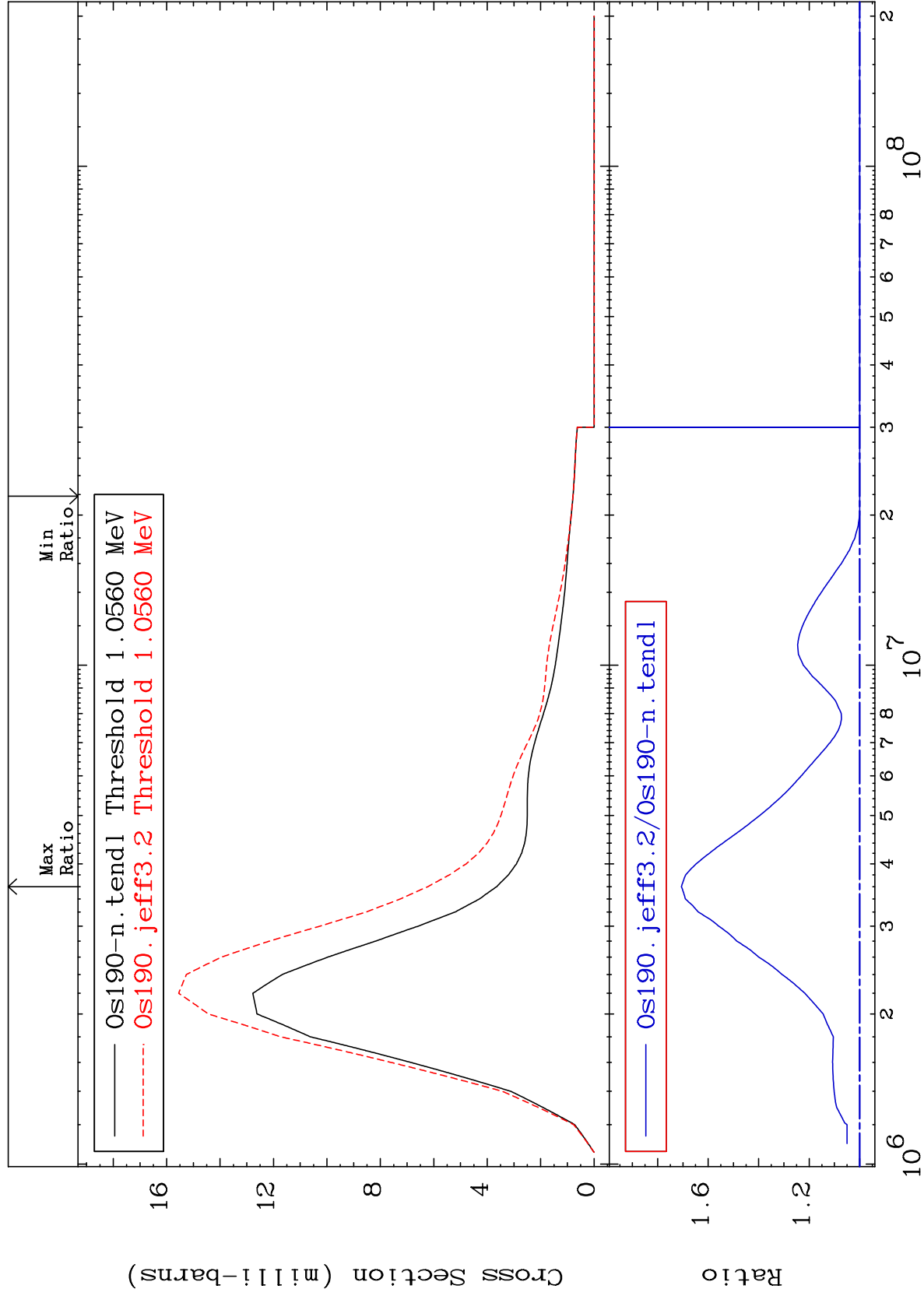
76-0s-190

MAT 7643

1.050 MeV (n,n') Level

76-0s-190

0.000 To 70.61 %



25

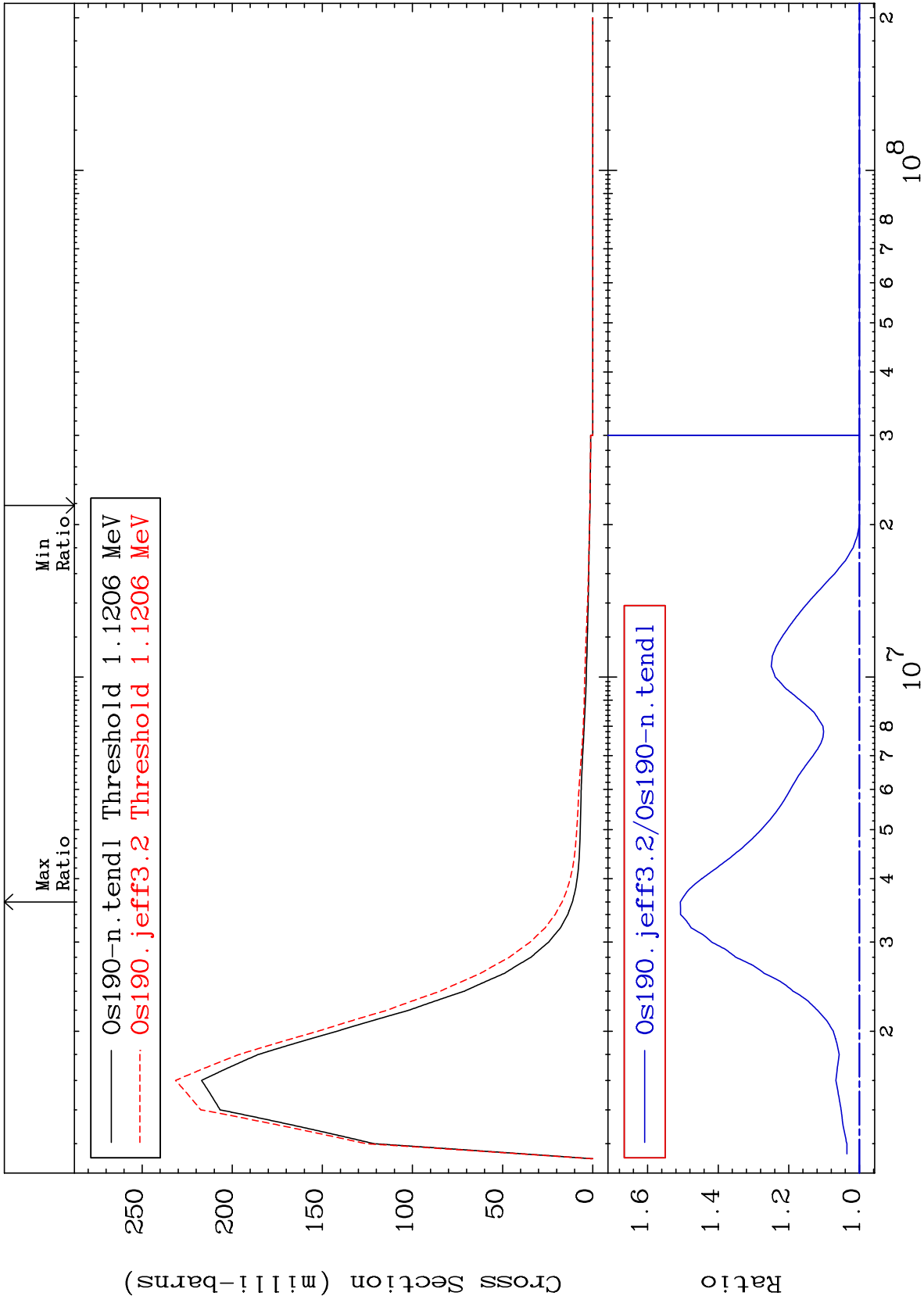
Incident Energy (eV)

76-0s-190

MAT 7643

1.115 MeV (n, n') Level
Cross Section

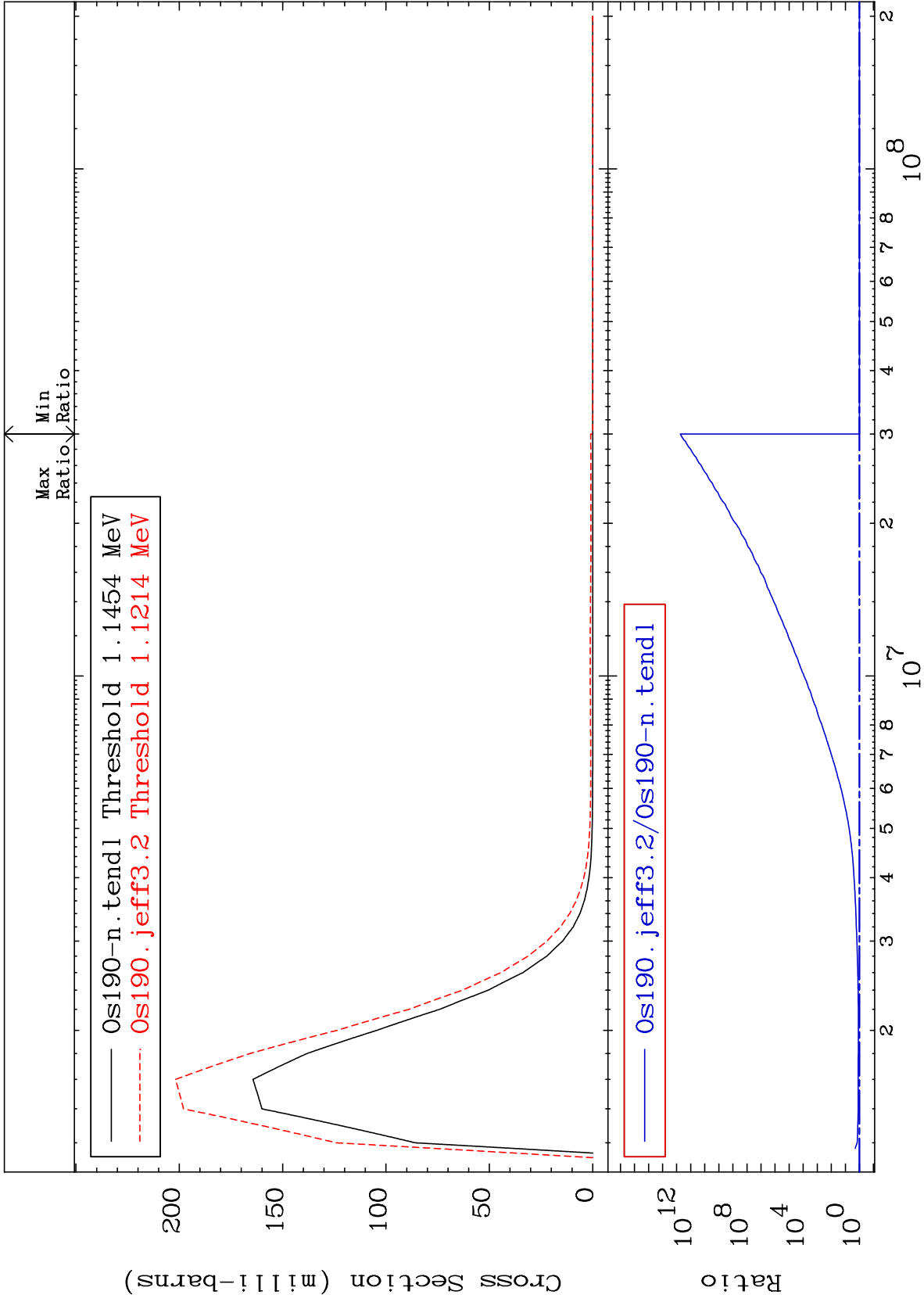
76-0s-190
0.000 To 50.72 %



MAT 7643

1.139 MeV (n,n') Level
Cross Section

76-Os-190
0.000 To 9999. %

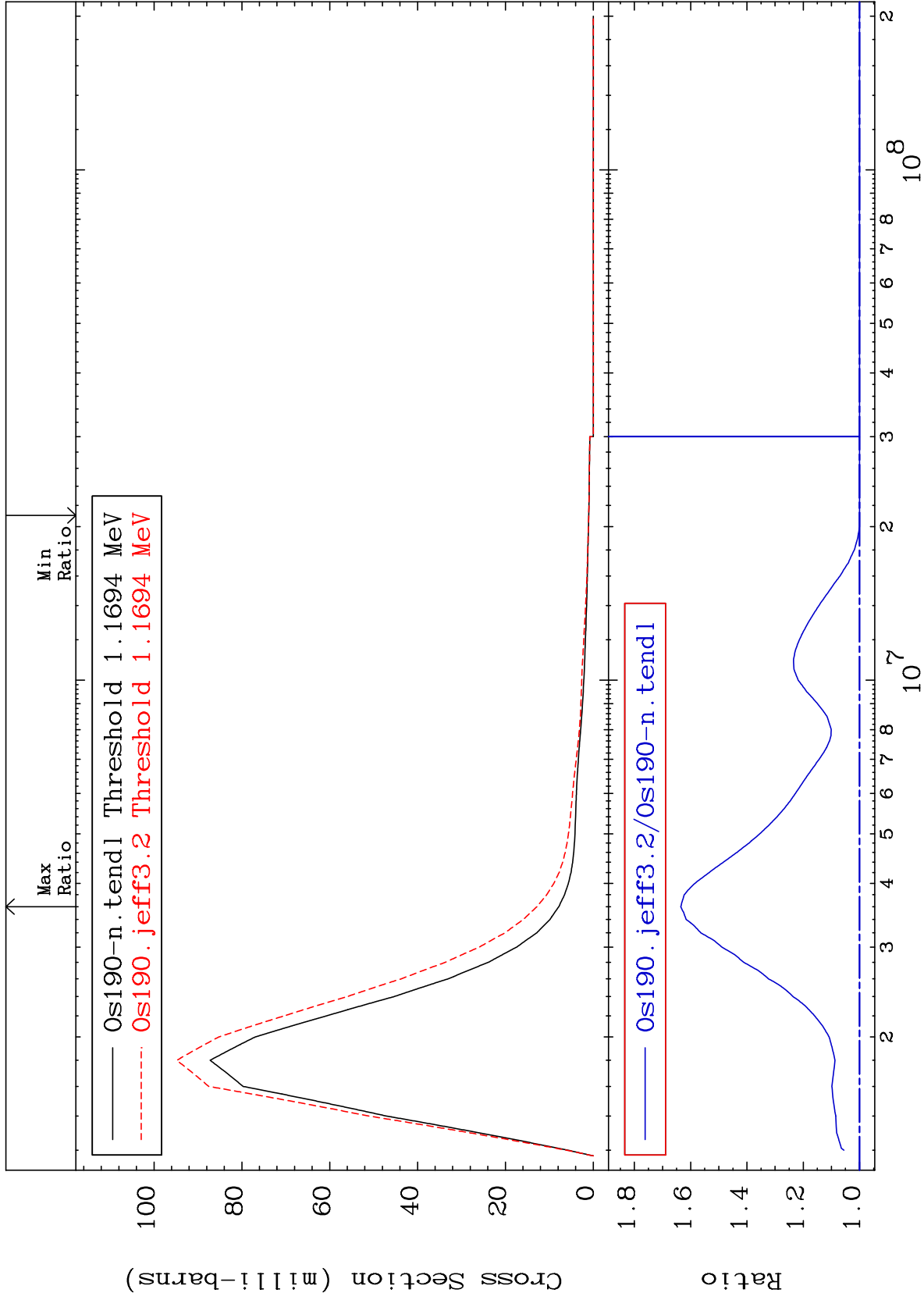


MAT 7643

1.163 MeV (n,n') Level

⁷⁶Os-¹⁹⁰

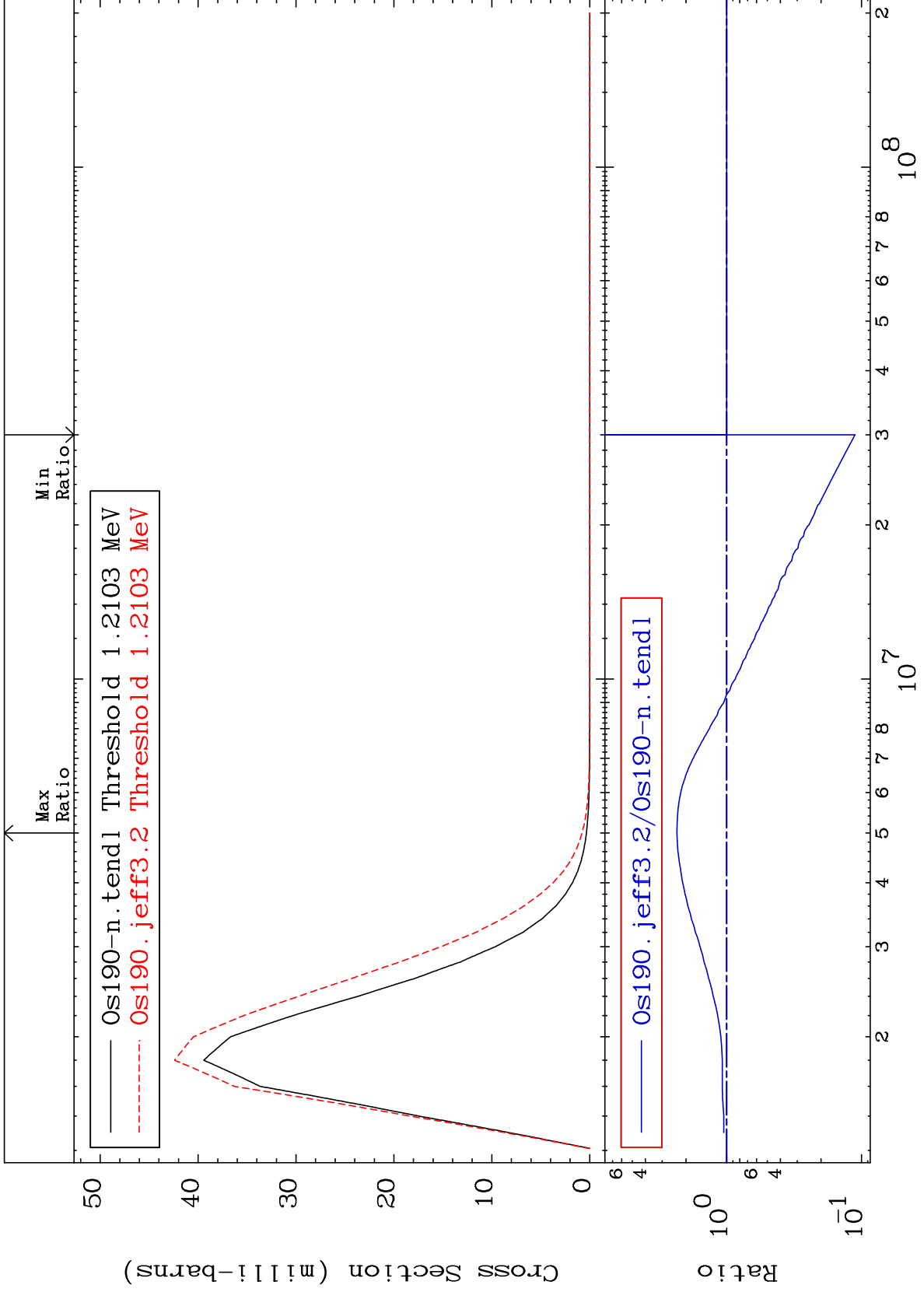
Cross Section
0.000 To 63.51 %



MAT 7643

1.204 MeV (n,n') Level
Cross Section

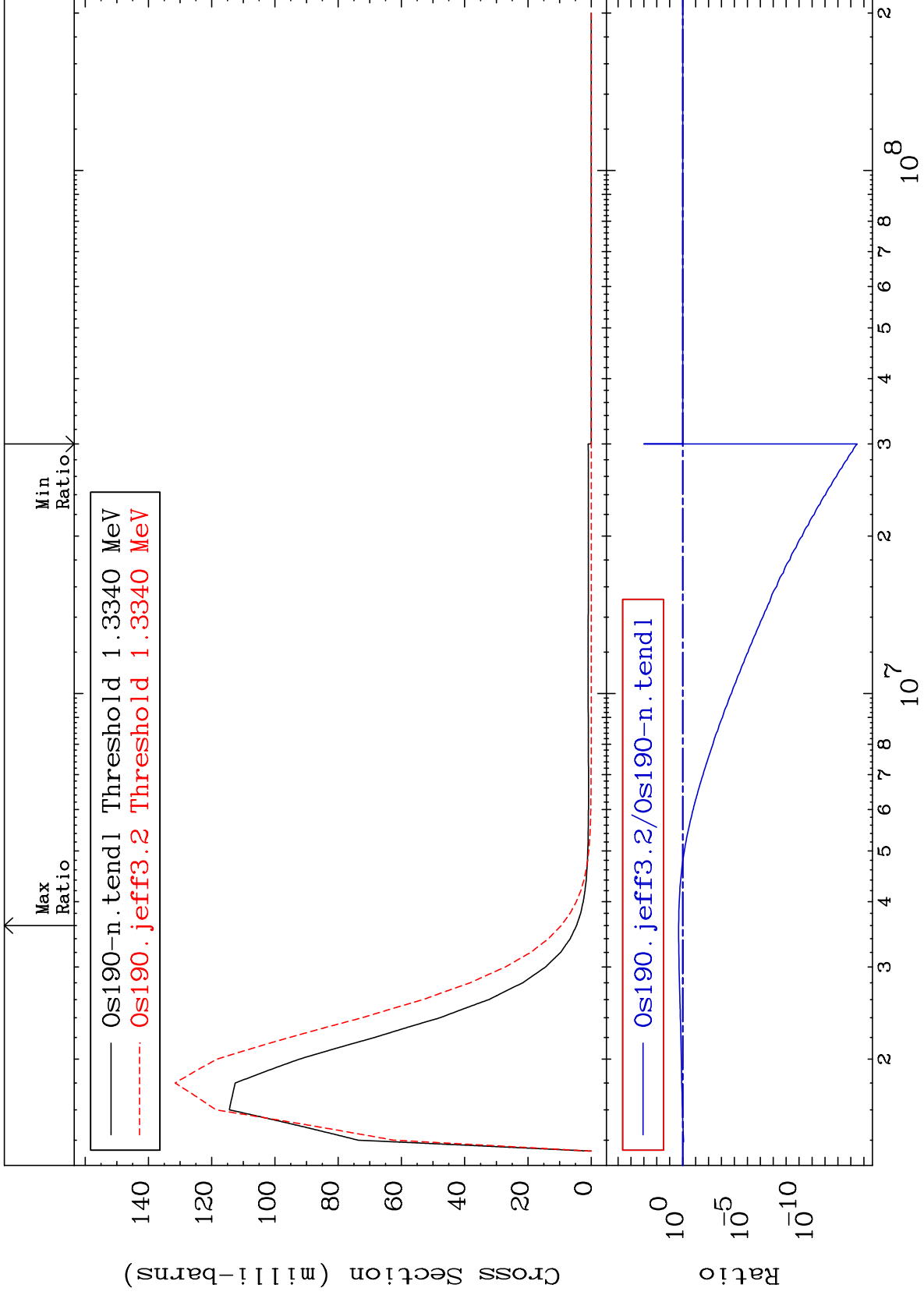
76-0s-190
-88.83 To 133.5 %



MAT 7643

1.327 MeV (n,n') Level
Cross Section

76-0s-190
-100.0 To 104.9 %



30

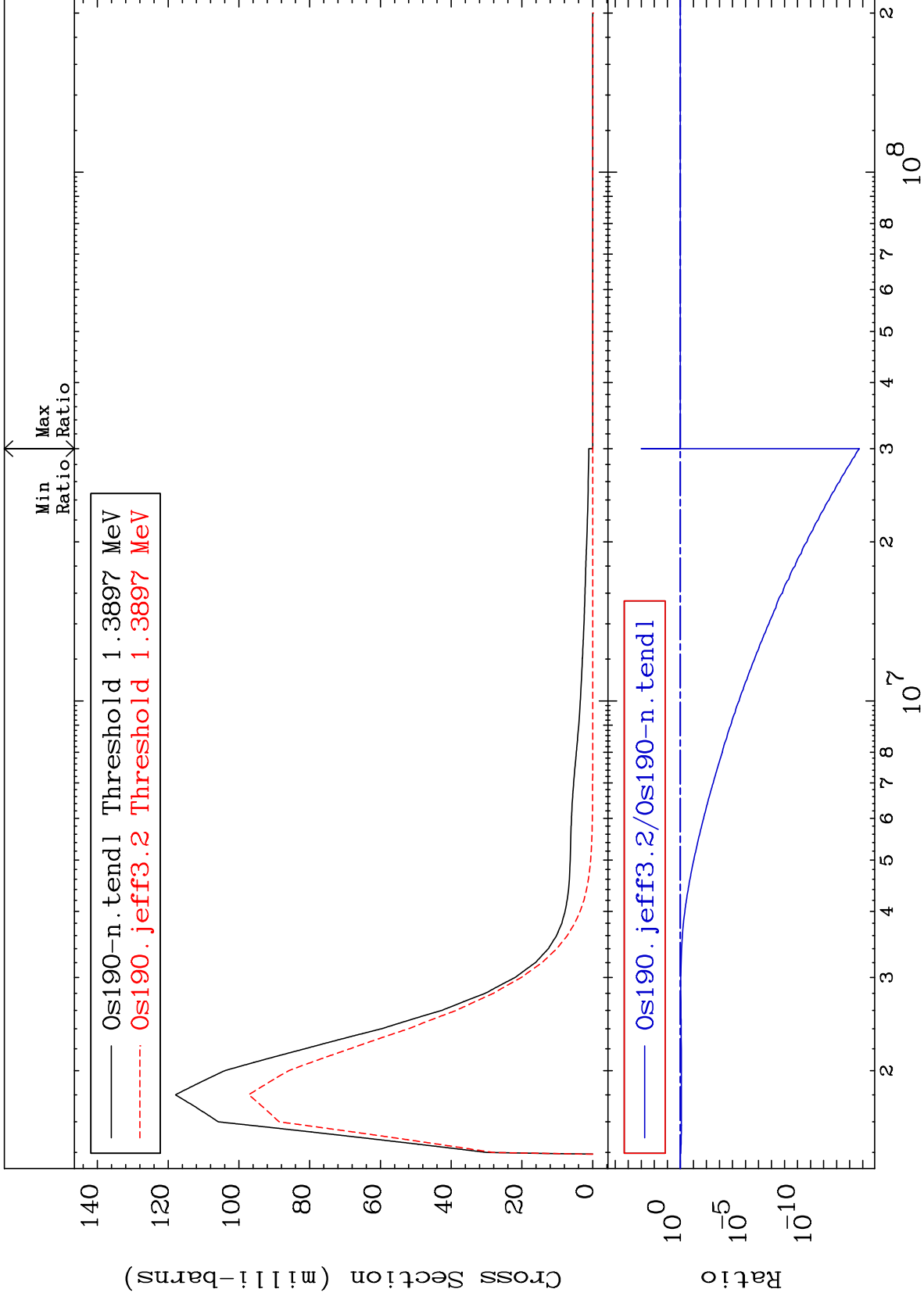
Incident Energy (eV)

76-0s-190

MAT 7643

1.382 MeV (n,n') Level
Cross Section

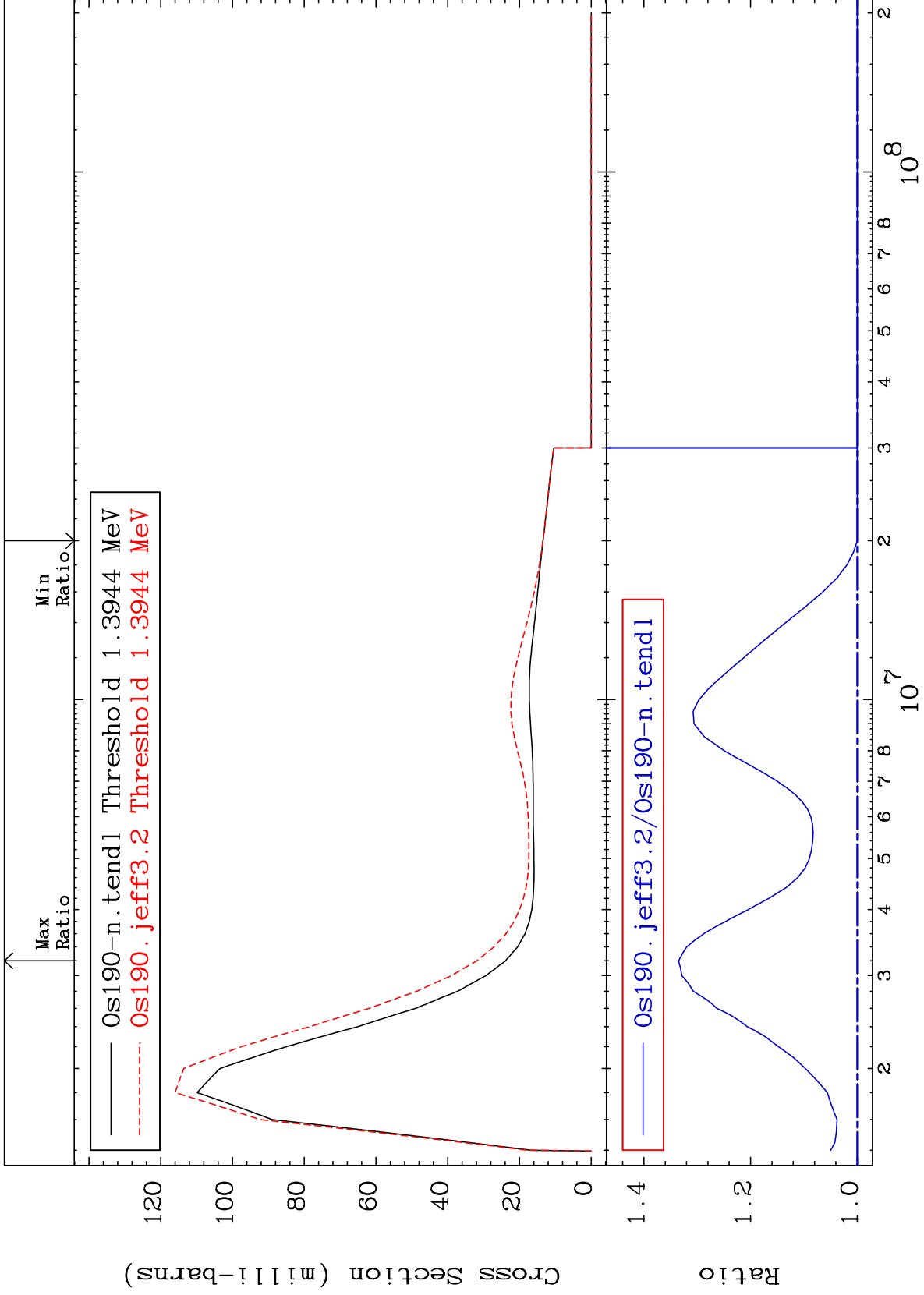
76-0s-190
-100.0 To 0.000 %



MAT 7643

1.387 MeV (n,n') Level
Cross Section

76-0s-190
0.000 To 33.49 %



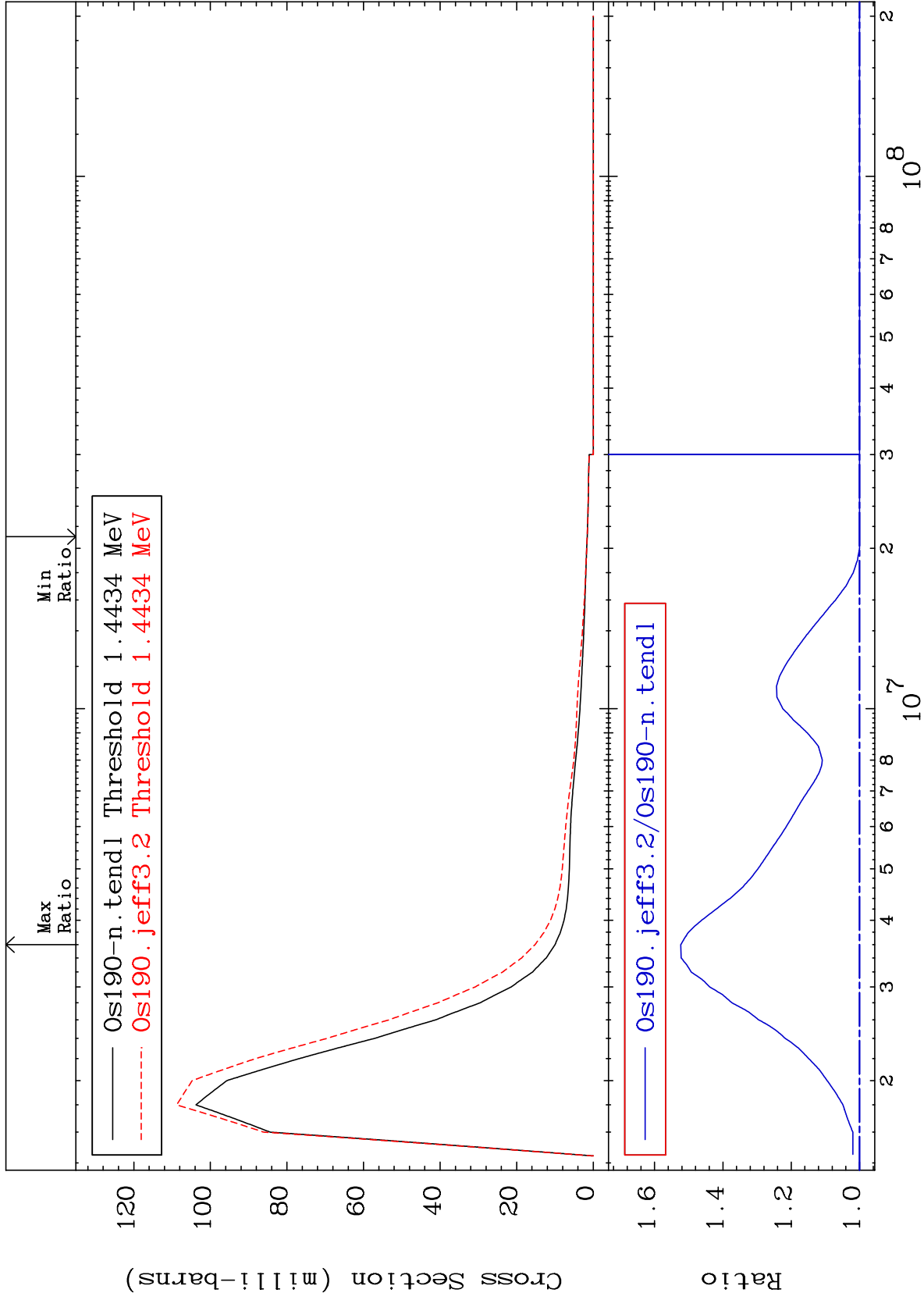
MAT 7643

1.436 MeV (n,n') Level

76-Os-190

0.000 To 52.33 %

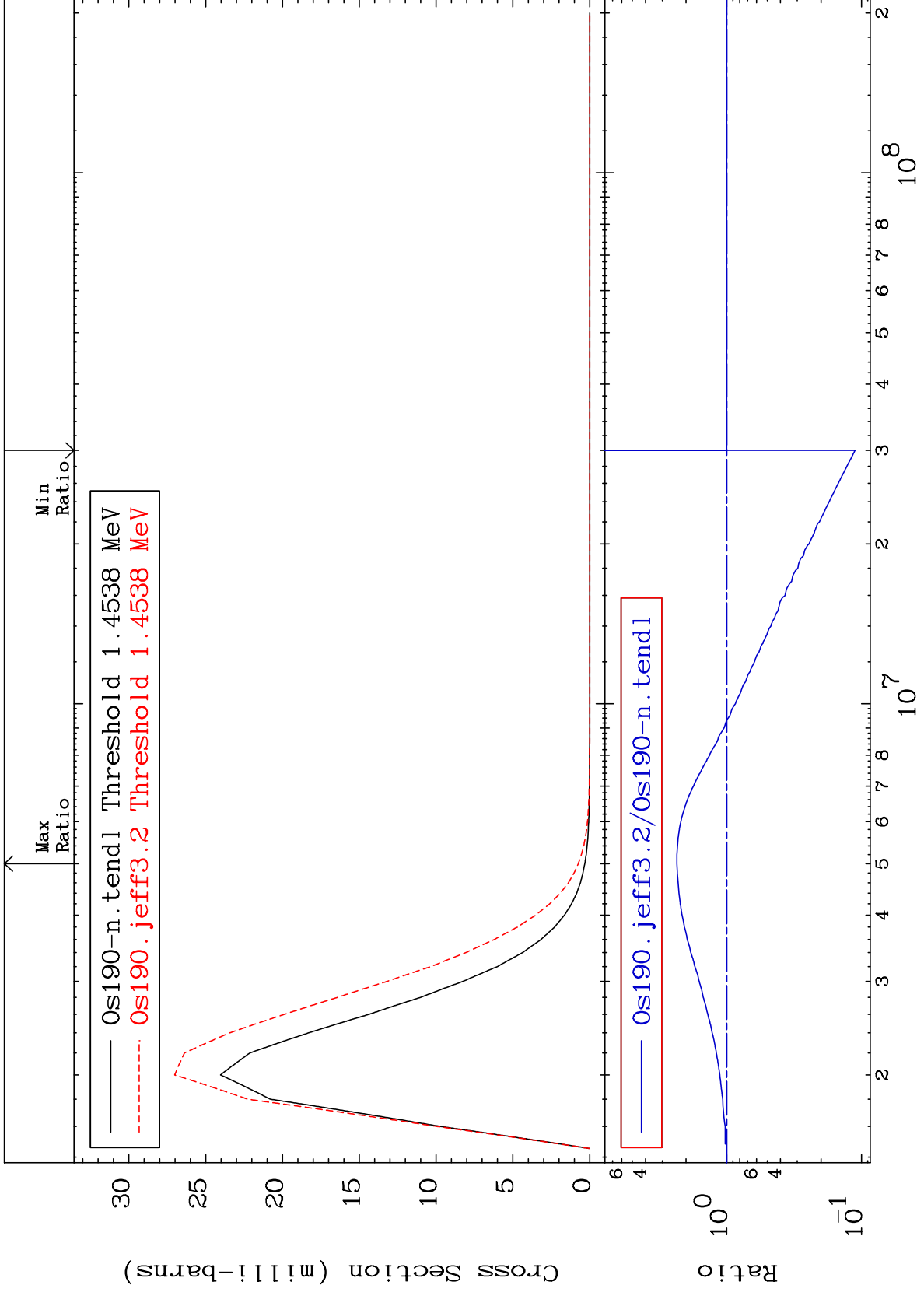
Cross Section



MAT 7643

1.446 MeV (n,n') Level
Cross Section

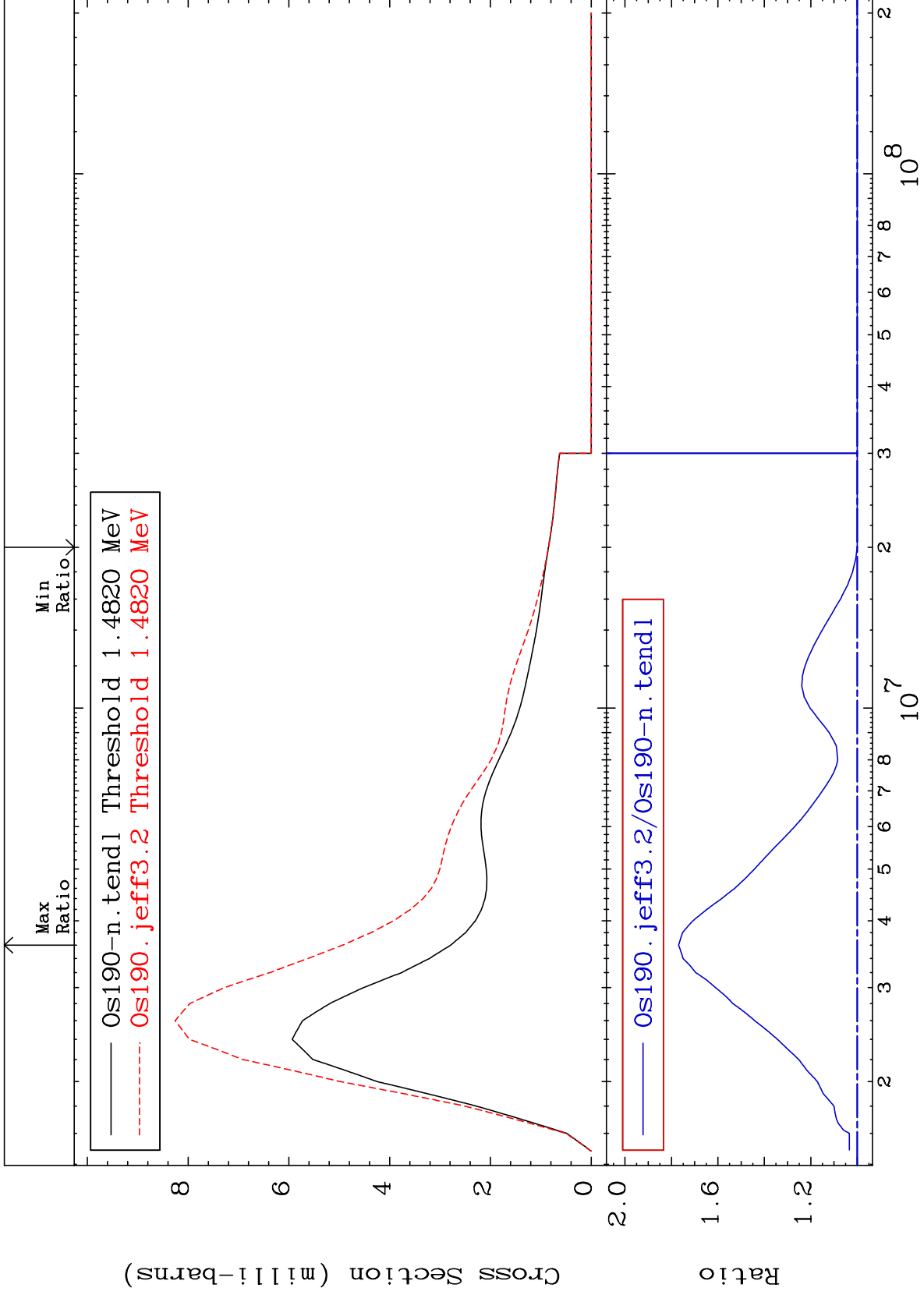
76-Os-190
-88.83 To 133.8 %



MAT 7643

1.474 MeV (n,n') Level
Cross Section

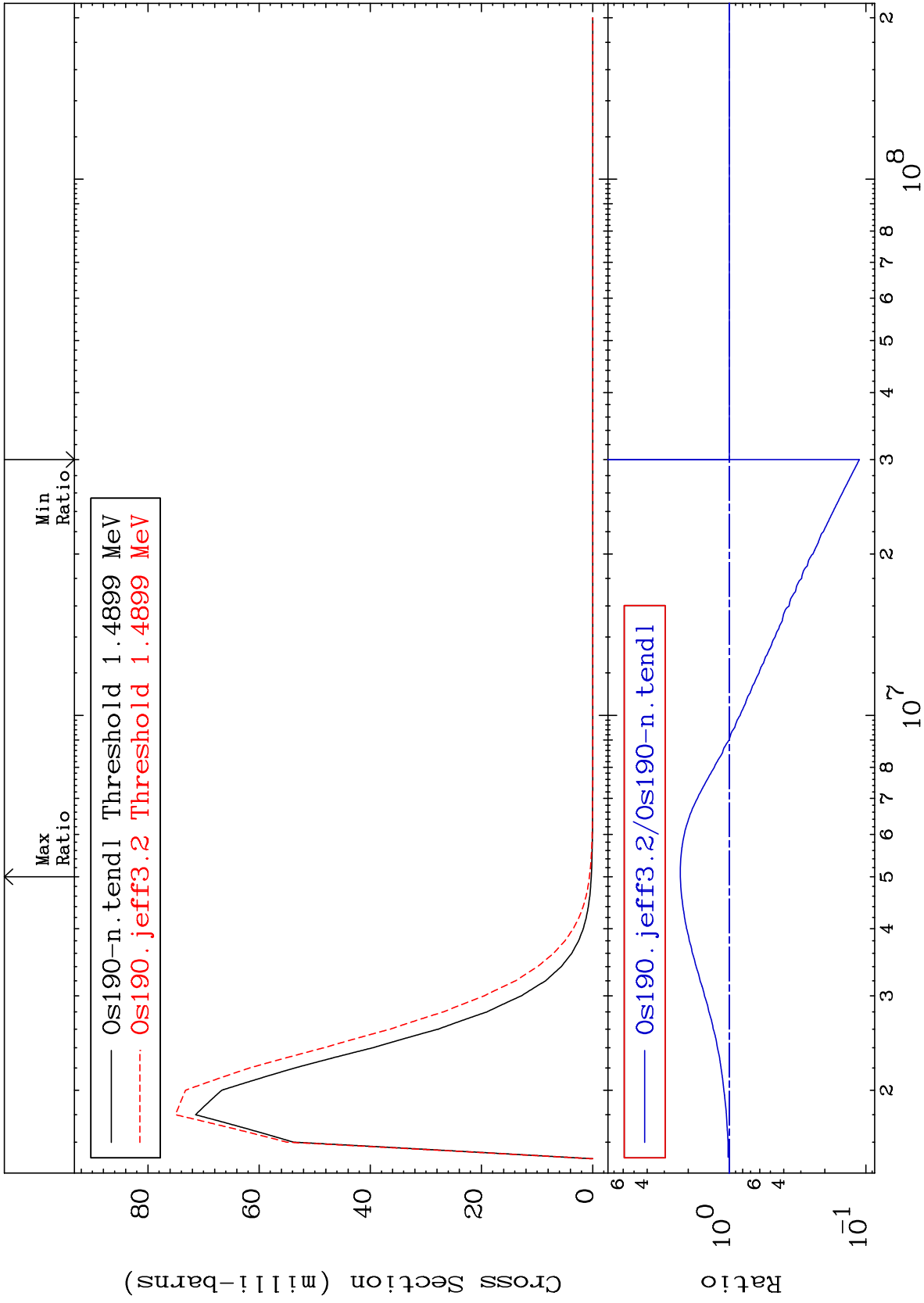
76-0s-190
0.000 To 76.91 %



MAT 7643

1.482 MeV (n,n') Level
Cross Section

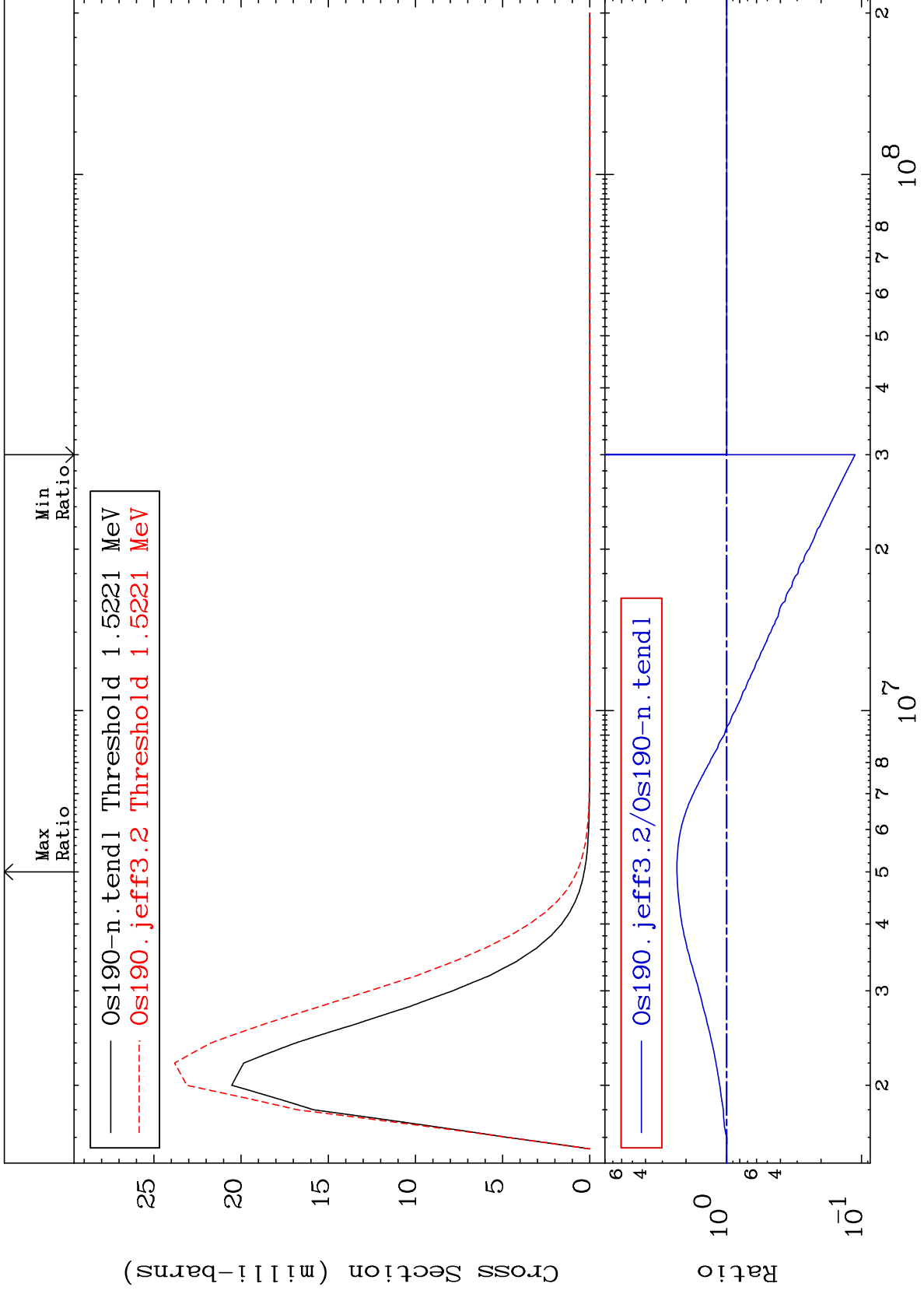
76-0s-190
-88.85 To 128.7 %



MAT 7643

1.514 MeV (n,n') Level
Cross Section

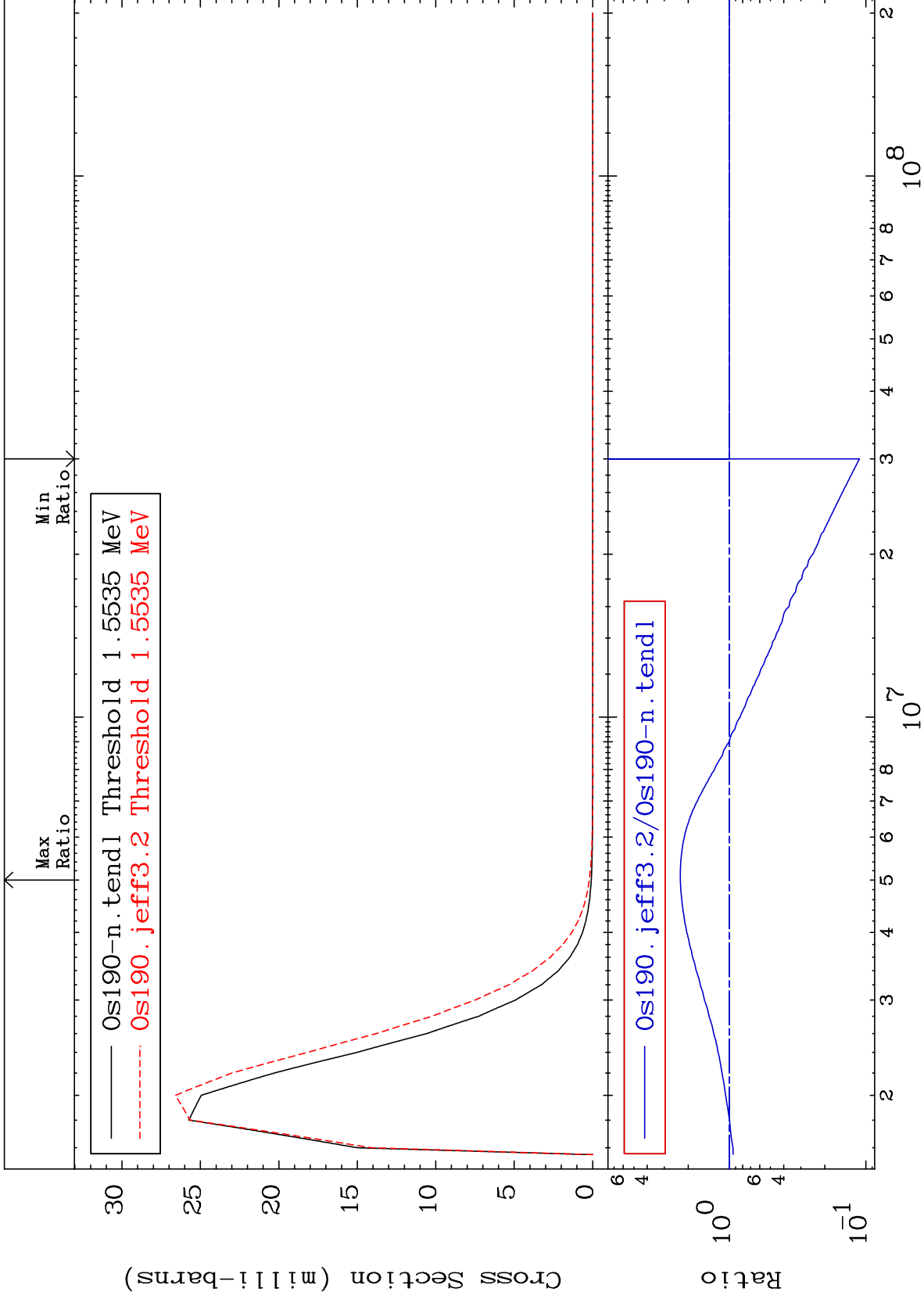
76-0s-190
-88.83 To 133.8 %



MAT 7643

1.545 MeV (n,n') Level
Cross Section

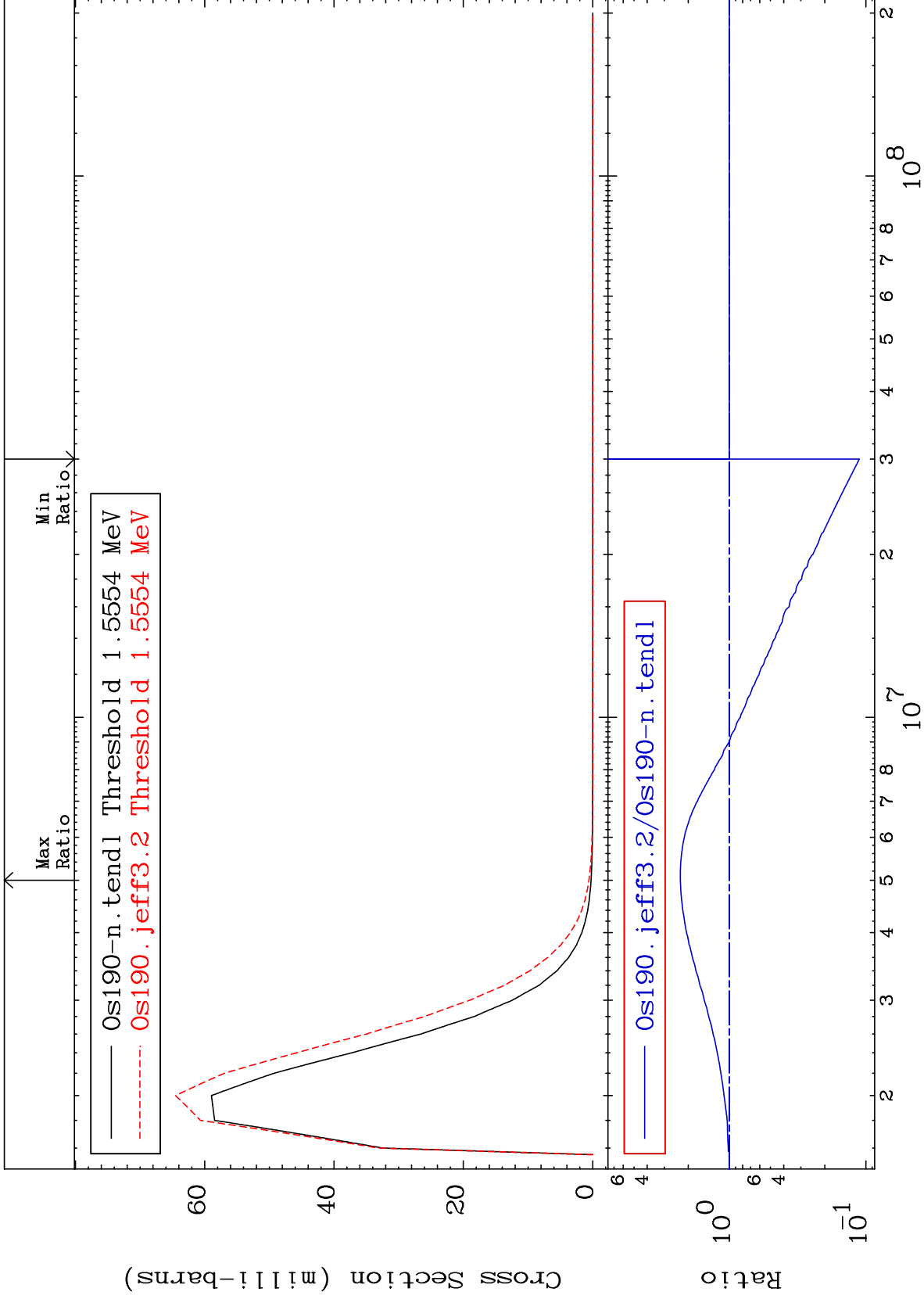
76-0s-190
-88.85 To 128.6 %



MAT 7643

1.547 MeV (n,n') Level
Cross Section

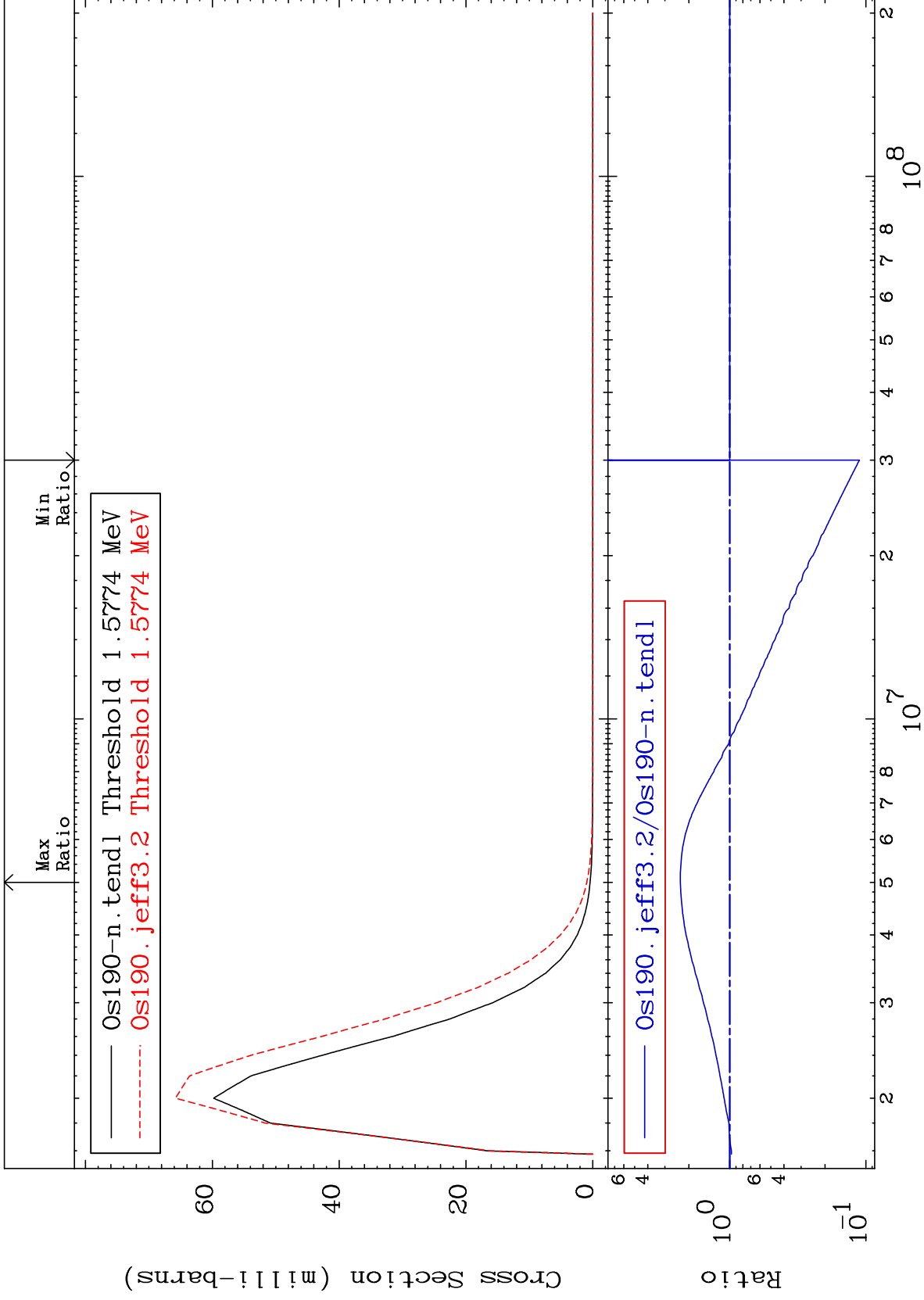
76-0s-190
-88.85 To 128.8 %



MAT 7643

1.569 MeV (n,n') Level
Cross Section

76-0s-190
-88.84 To 130.6 %



40

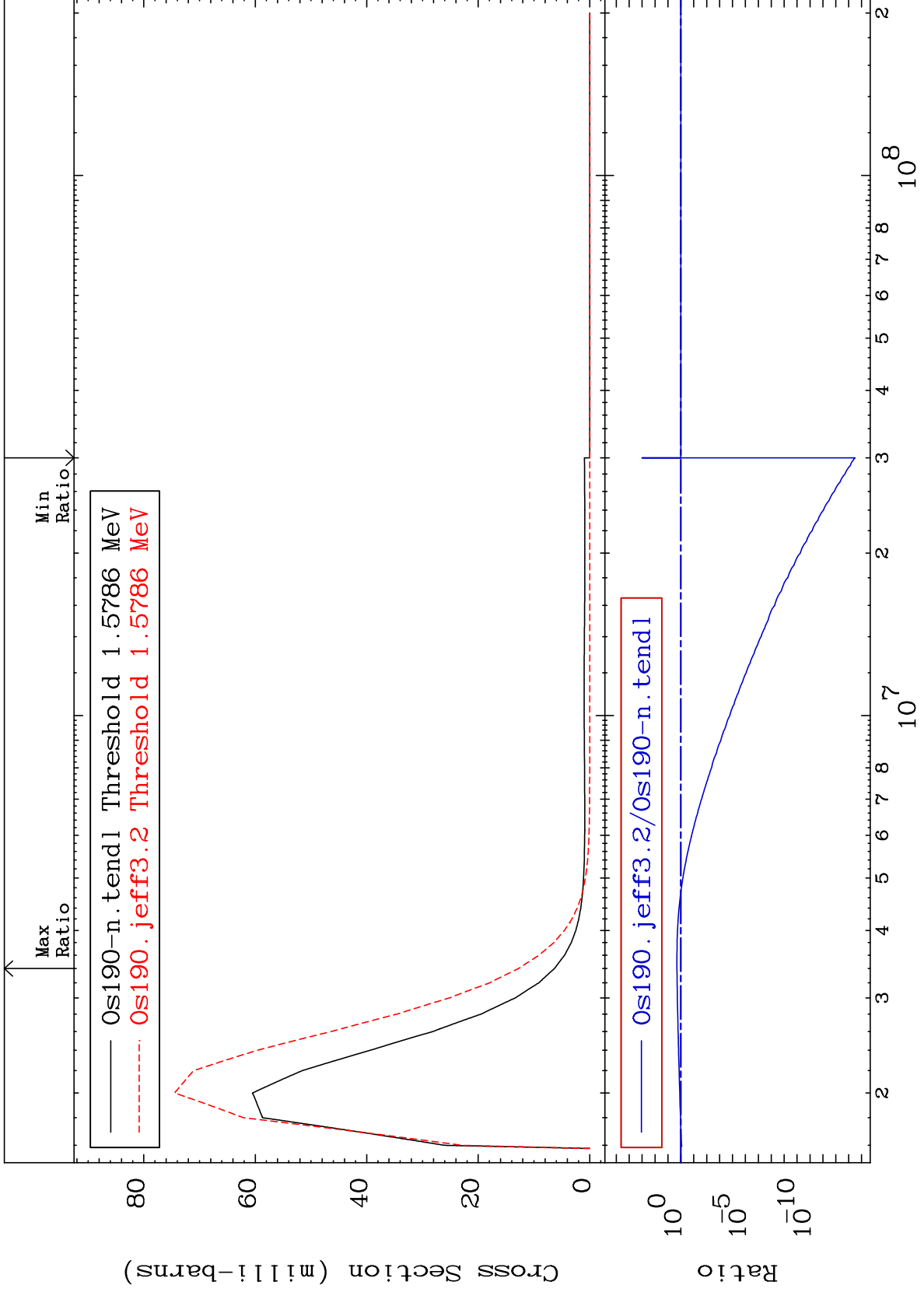
Incident Energy (eV)

76-0s-190

MAT 7643

1.570 MeV (n,n') Level
Cross Section

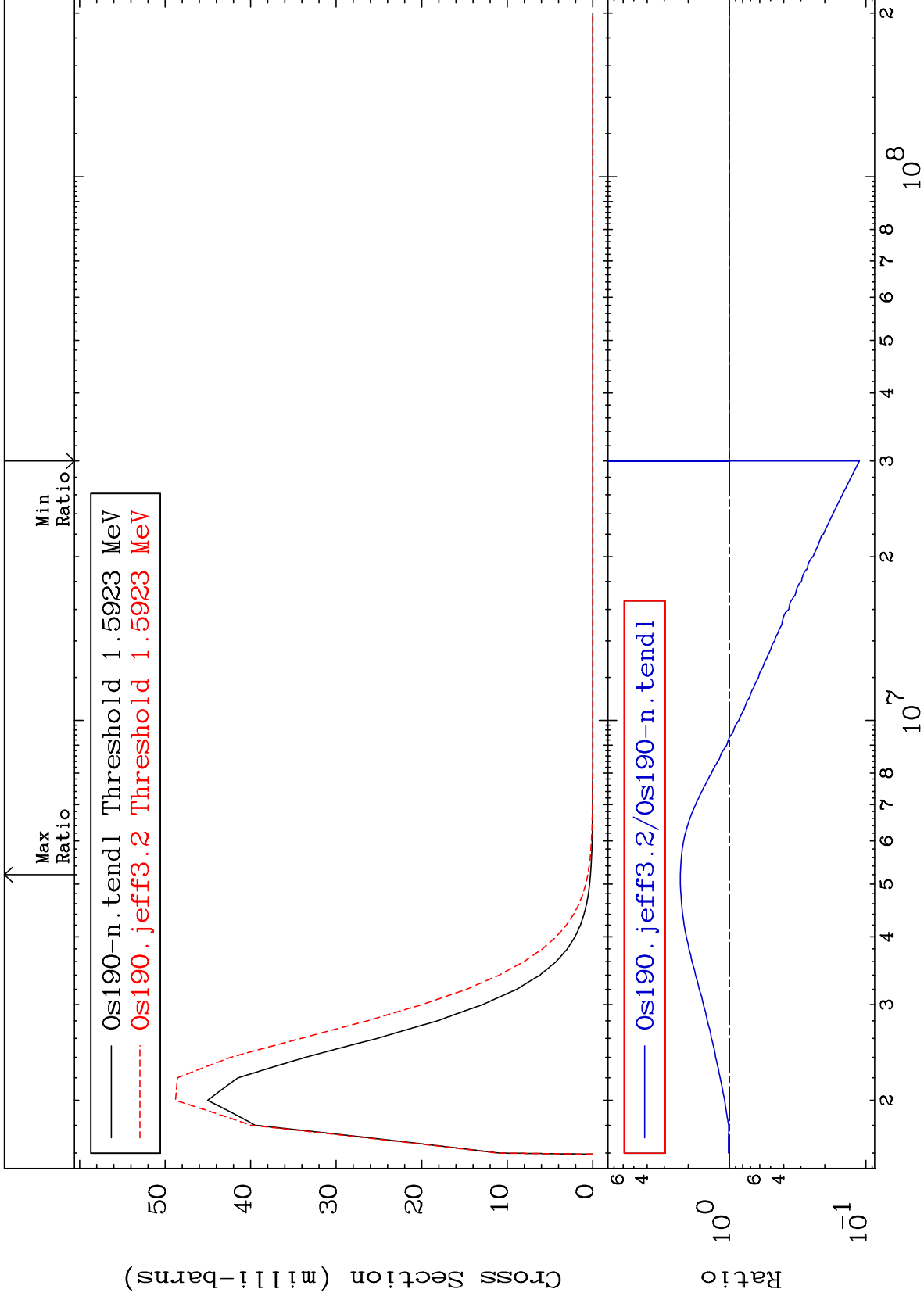
76-0s-190
-100.0 To 101.7 %



MAT 7643

1.584 MeV (n,n') Level
Cross Section

76-0s-190
-88.84 To 128.5 %



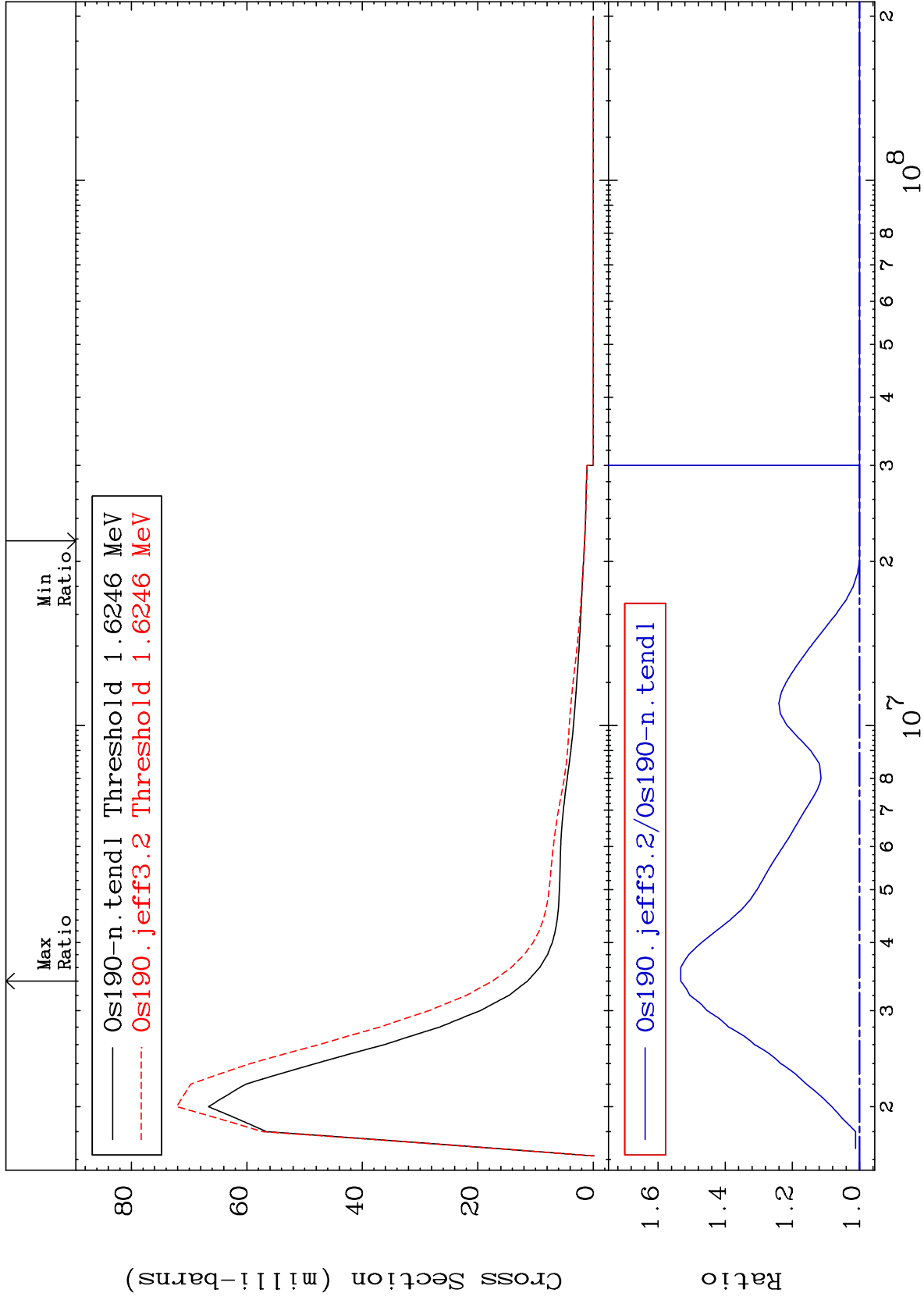
MAT 7643

1.616 MeV (n,n') Level

76-0s-190

0.000 To 53.25 %

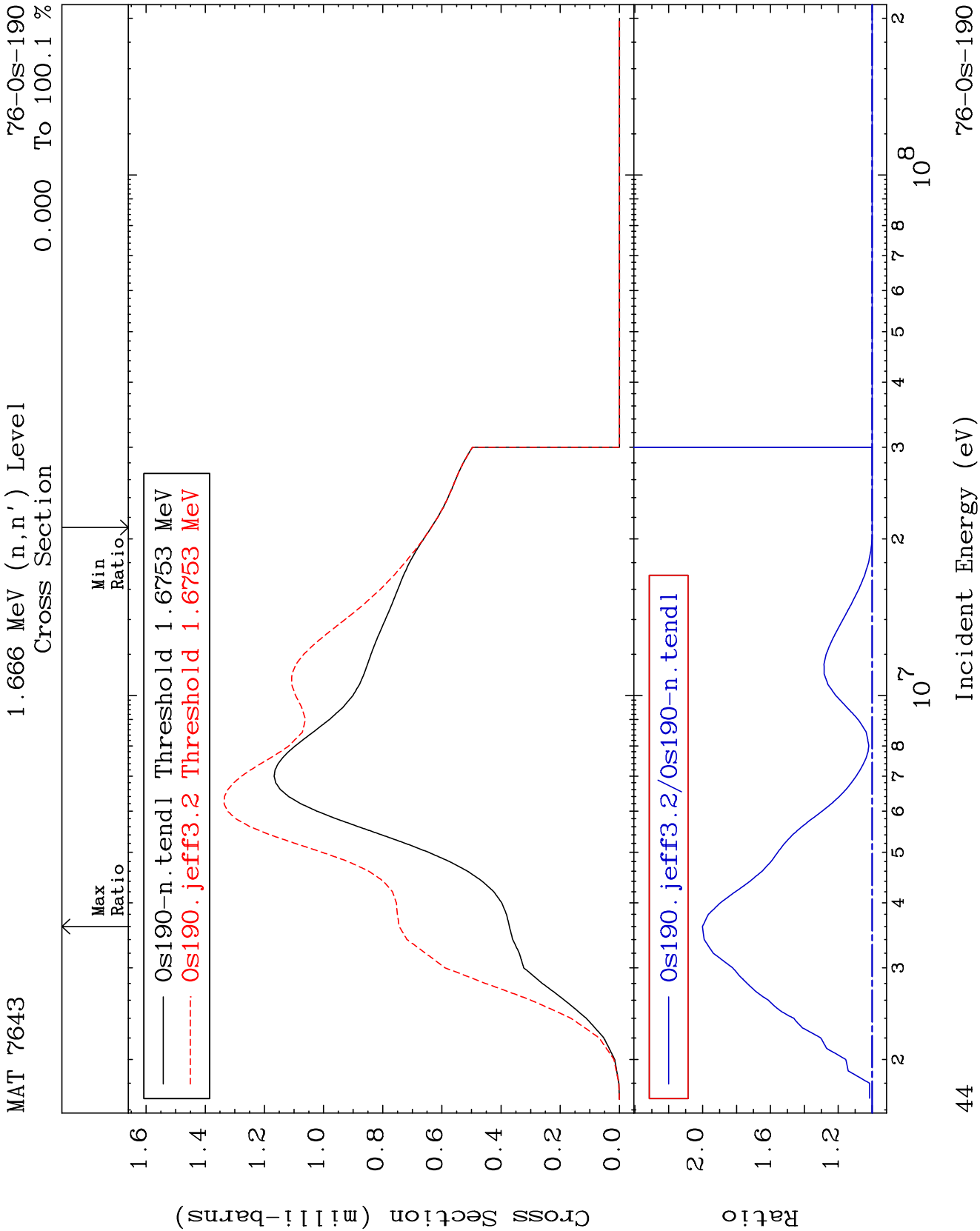
Cross Section



43

Incident Energy (eV)

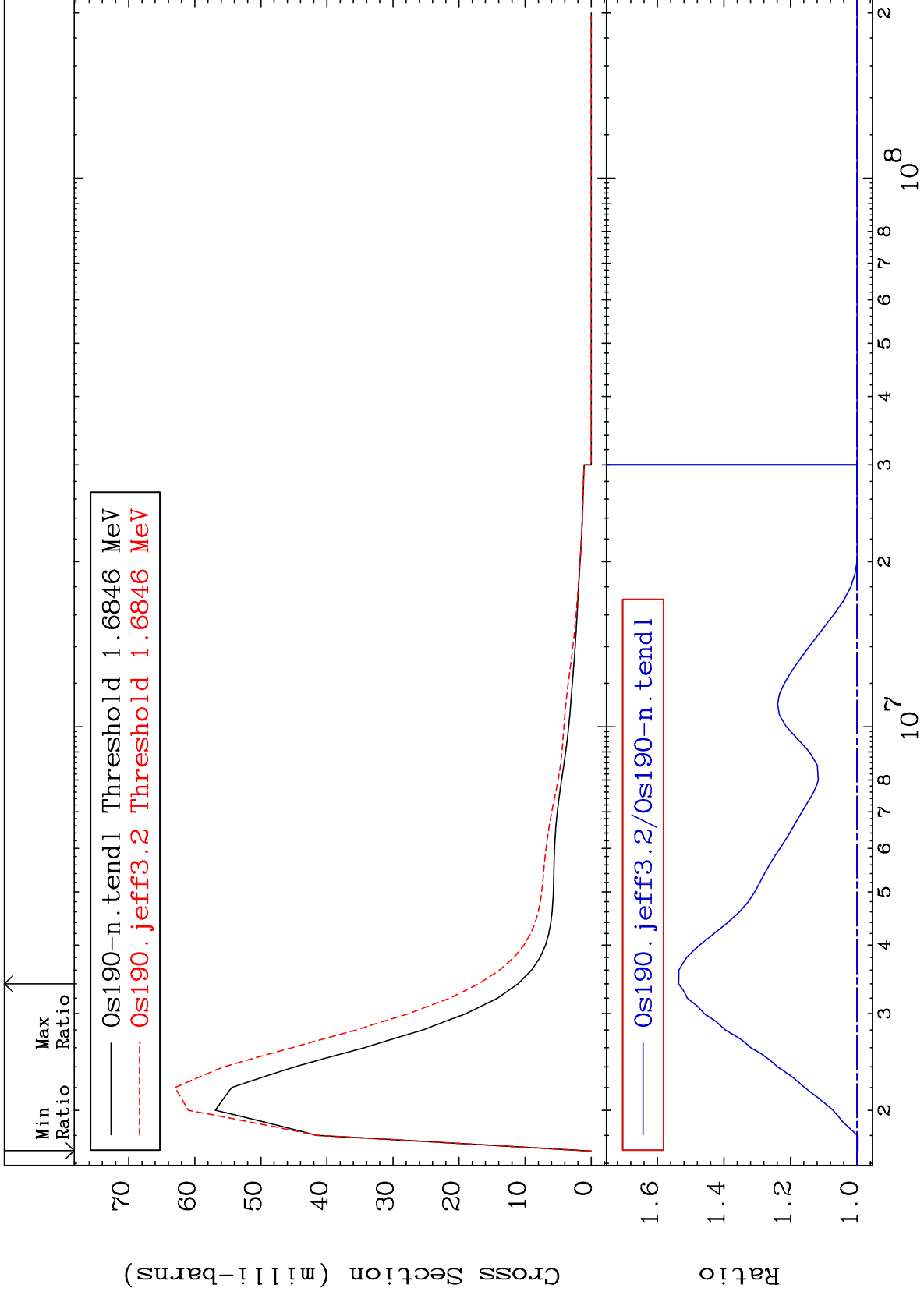
76-0s-190



MAT 7643

1.676 MeV (n,n') Level
Cross Section

76-0s-190
-0.043 To 53.61 %



45

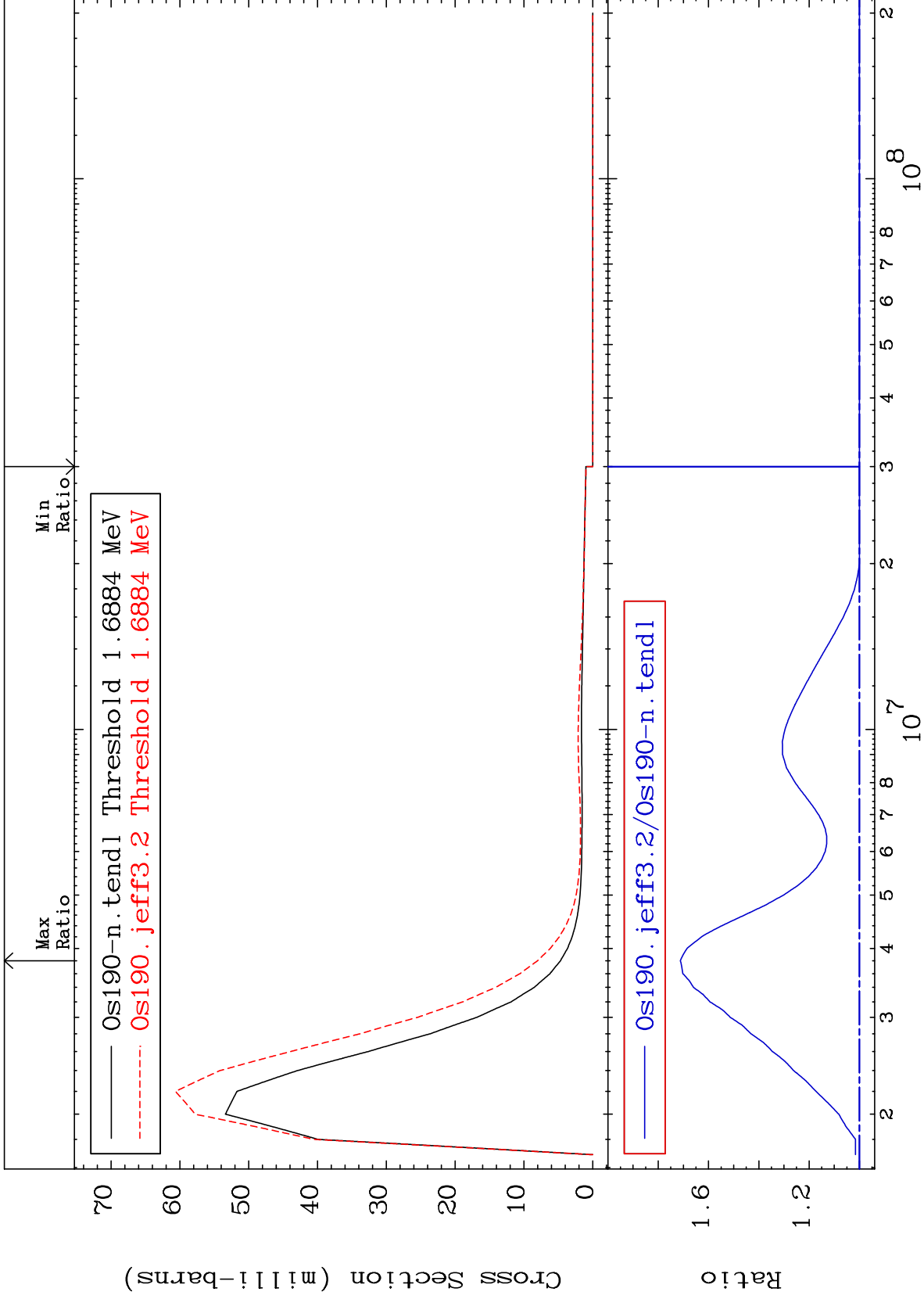
Incident Energy (eV)

76-0s-190

MAT 7643

1.680 MeV (n,n') Level
Cross Section

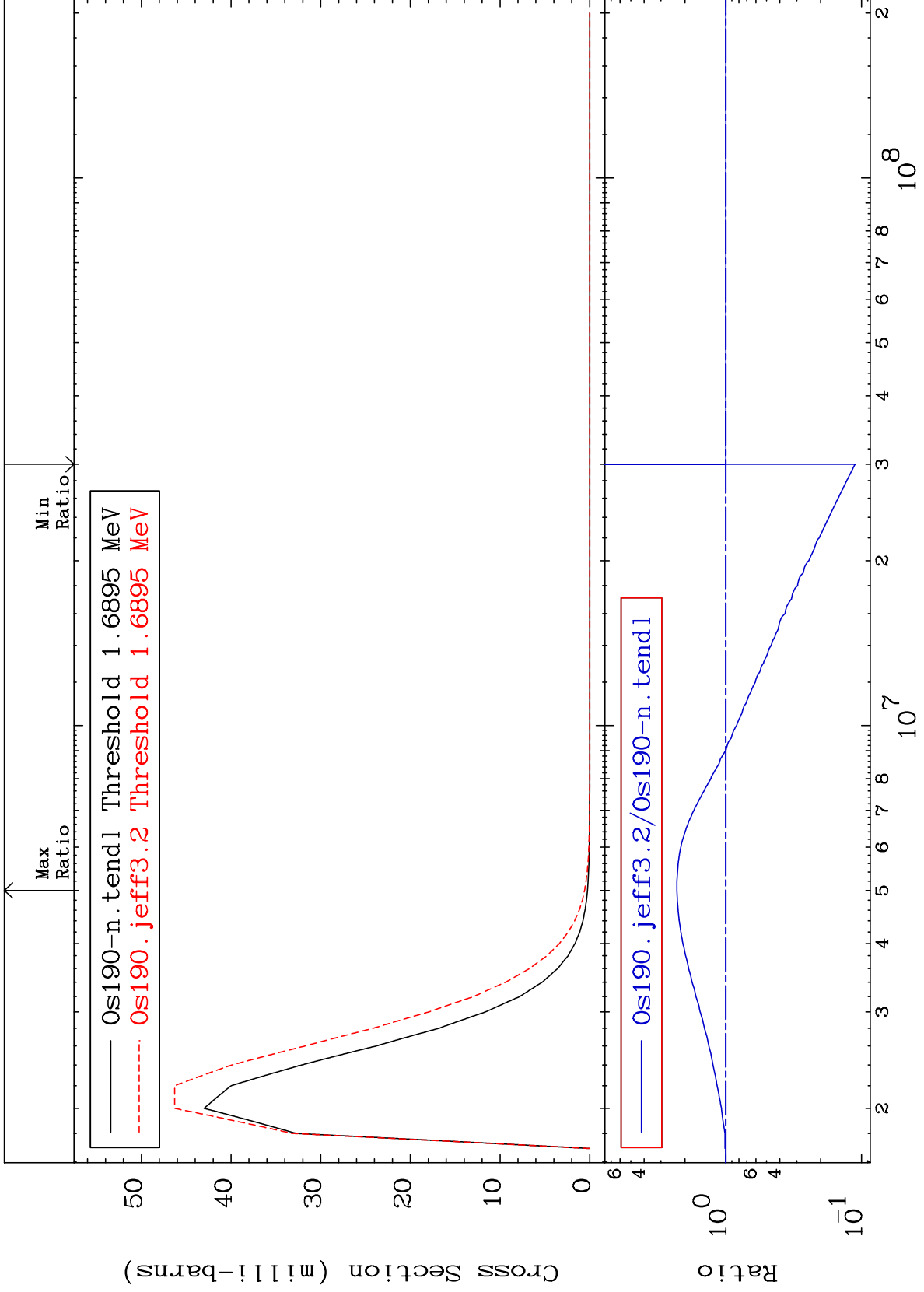
76-0s-190
To 71.19 %



MAT 7643

1.681 MeV (n,n') Level
Cross Section

76-0s-190
-88.86 To 128.9 %



MAT 7643

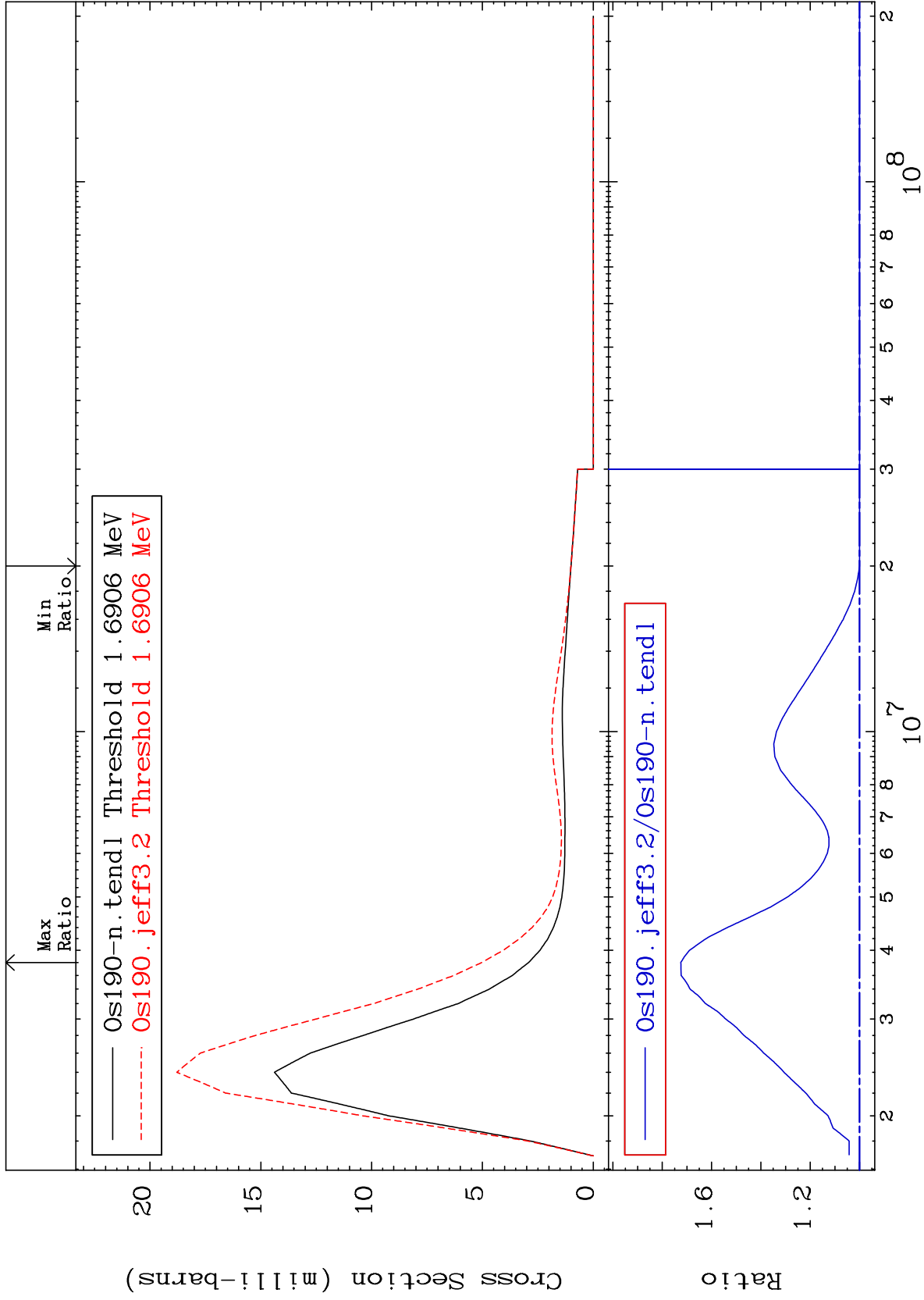
1.682 MeV (n,n') Level

76-0s-190

Cross Section

0.000

To 72.50 %



48

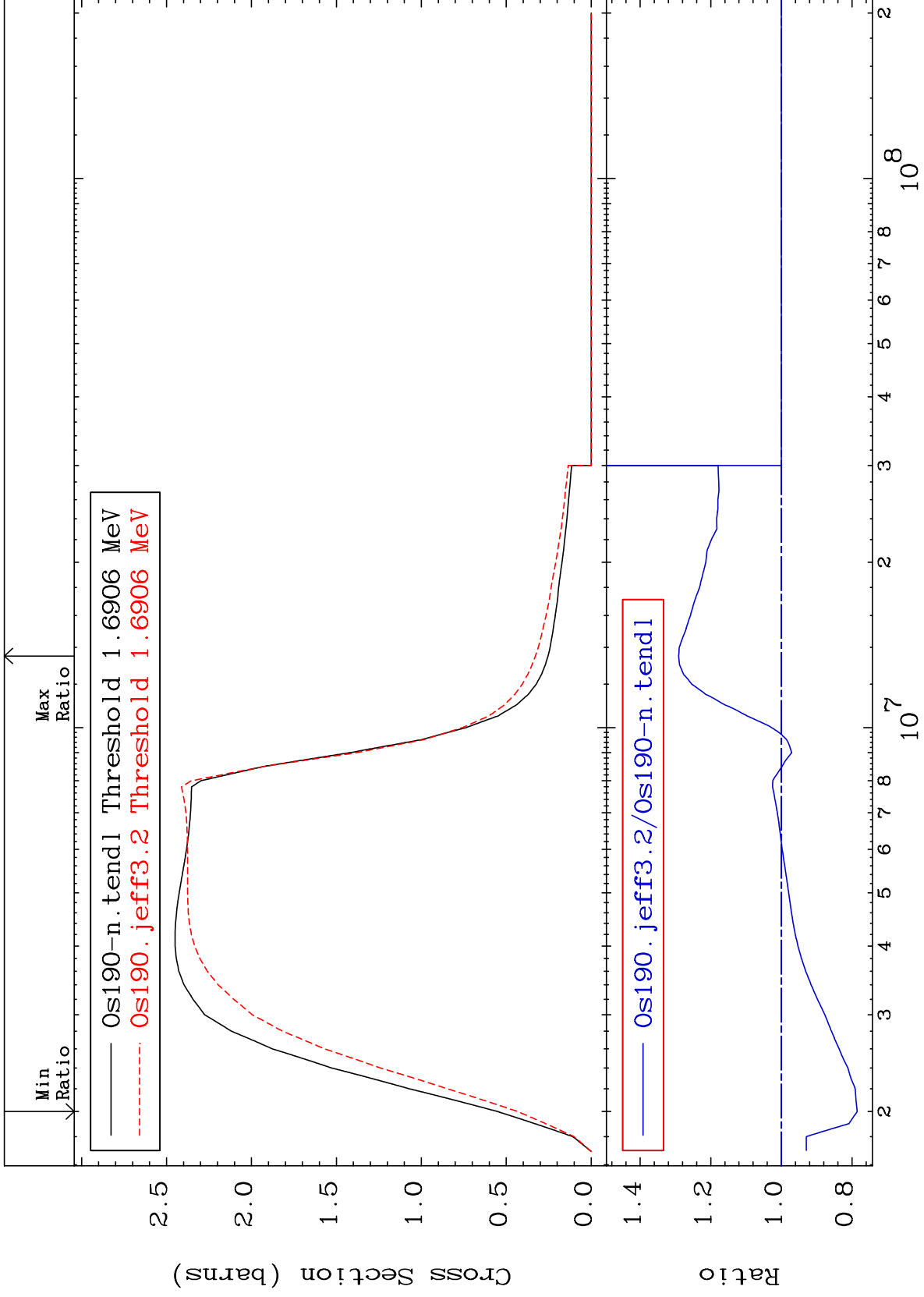
Incident Energy (eV)

76-0s-190

MAT 7643

(n, n') Continuum
Cross Section

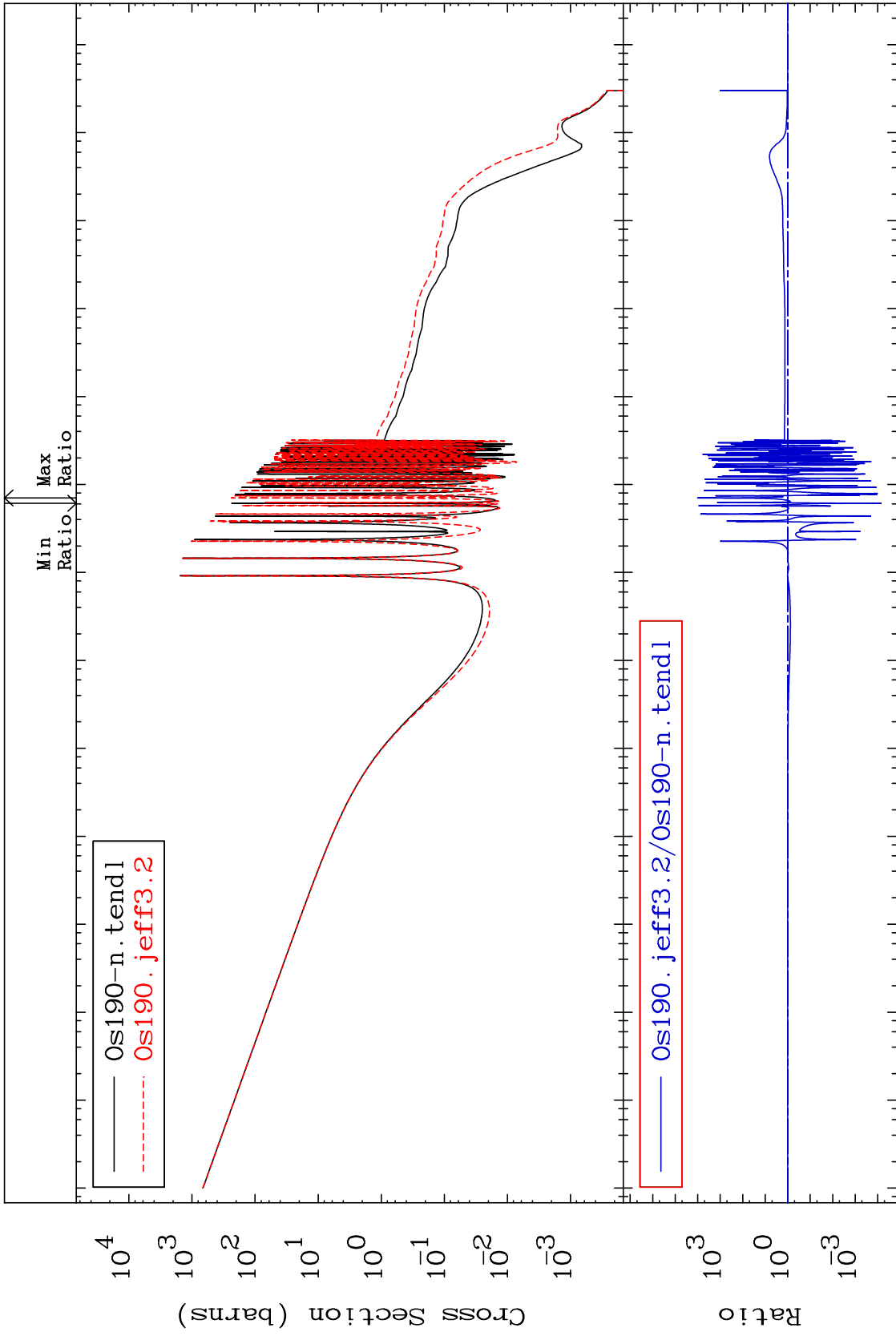
76-0s-190
-21.48 To 29.09 %



MAT 7643

(n, γ)
Cross Section

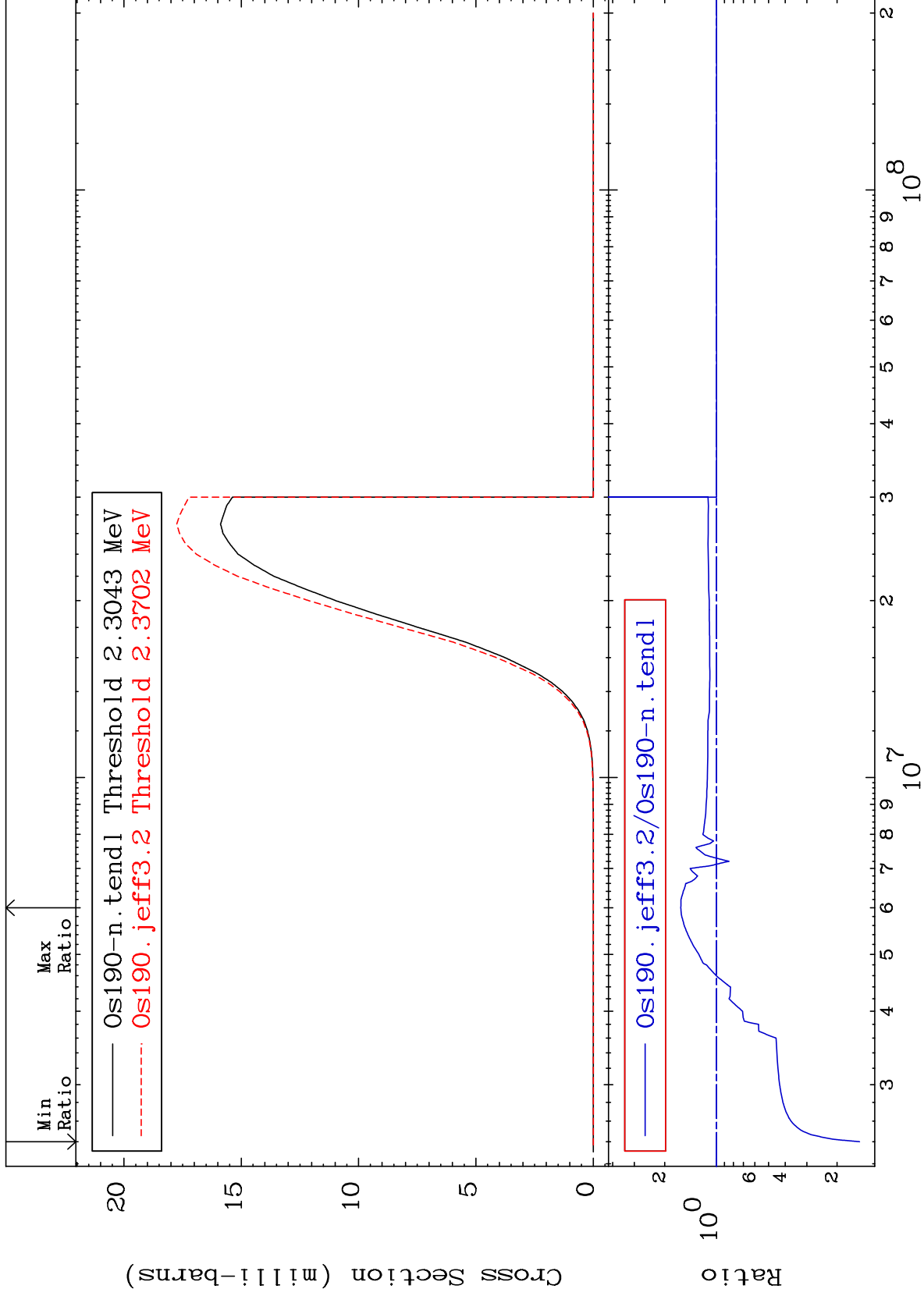
76-0s-190
-99.99 To 9999. %



MAT 7643

(n,p)
Cross Section

76-0s-190
-85.17 To 61.33 %



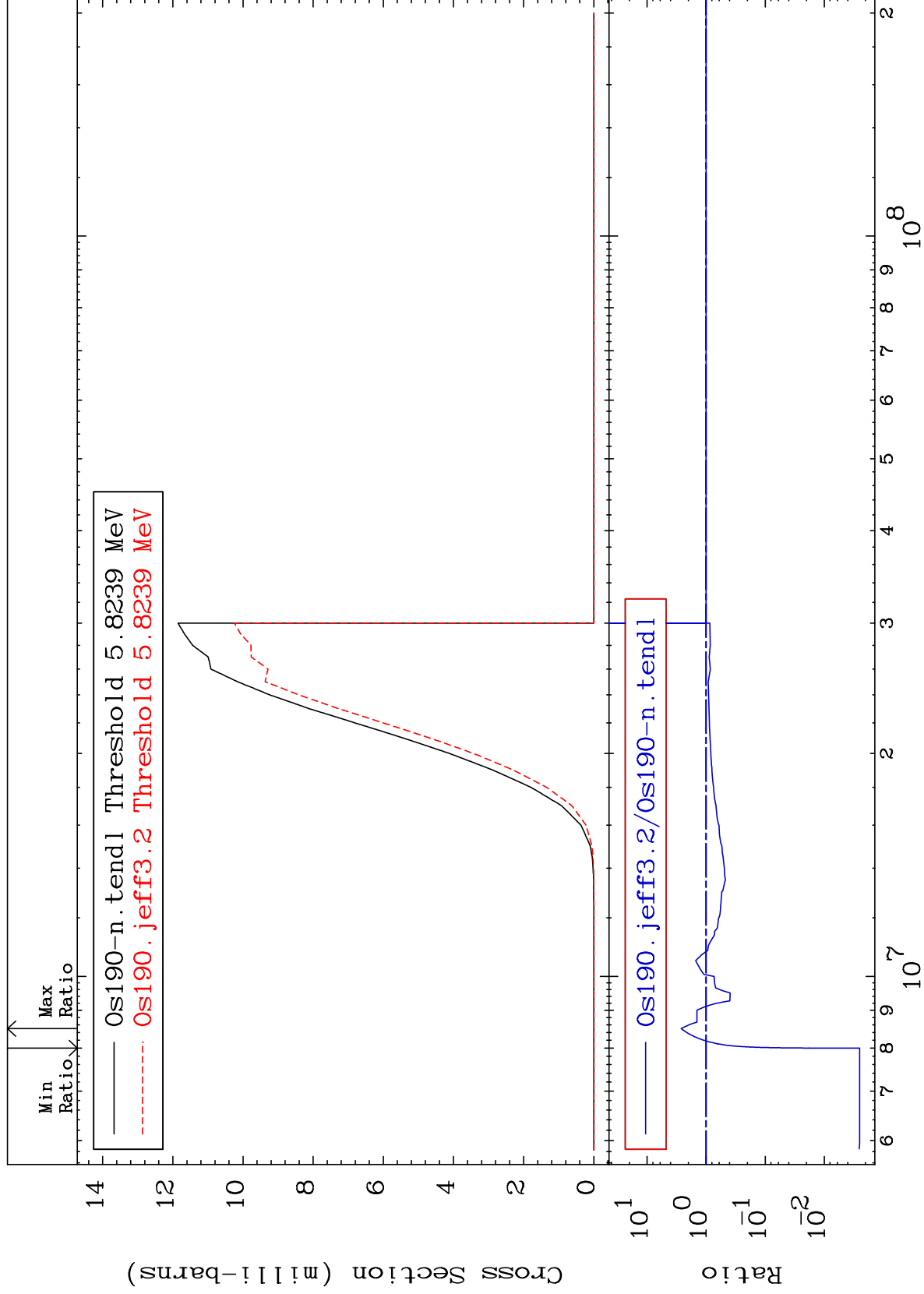
MAT 7643

(n, d)

76-0s-190

Cross Section

-99.75 To 164.9 %



52

Incident Energy (eV)

76-0s-190

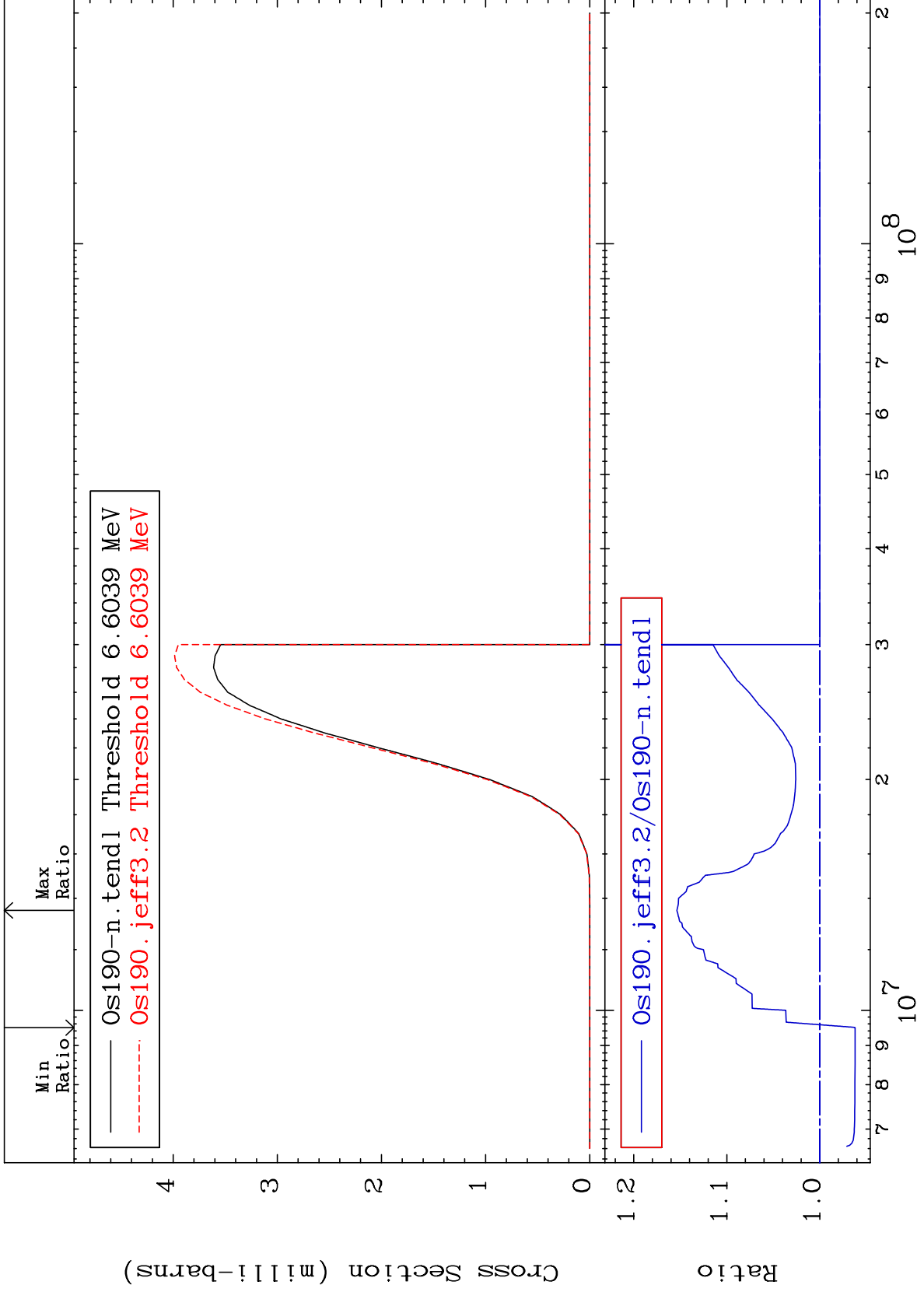
MAT 7643

(n, t)

76-0s-190

Cross Section

-3.799 To 15.36 %



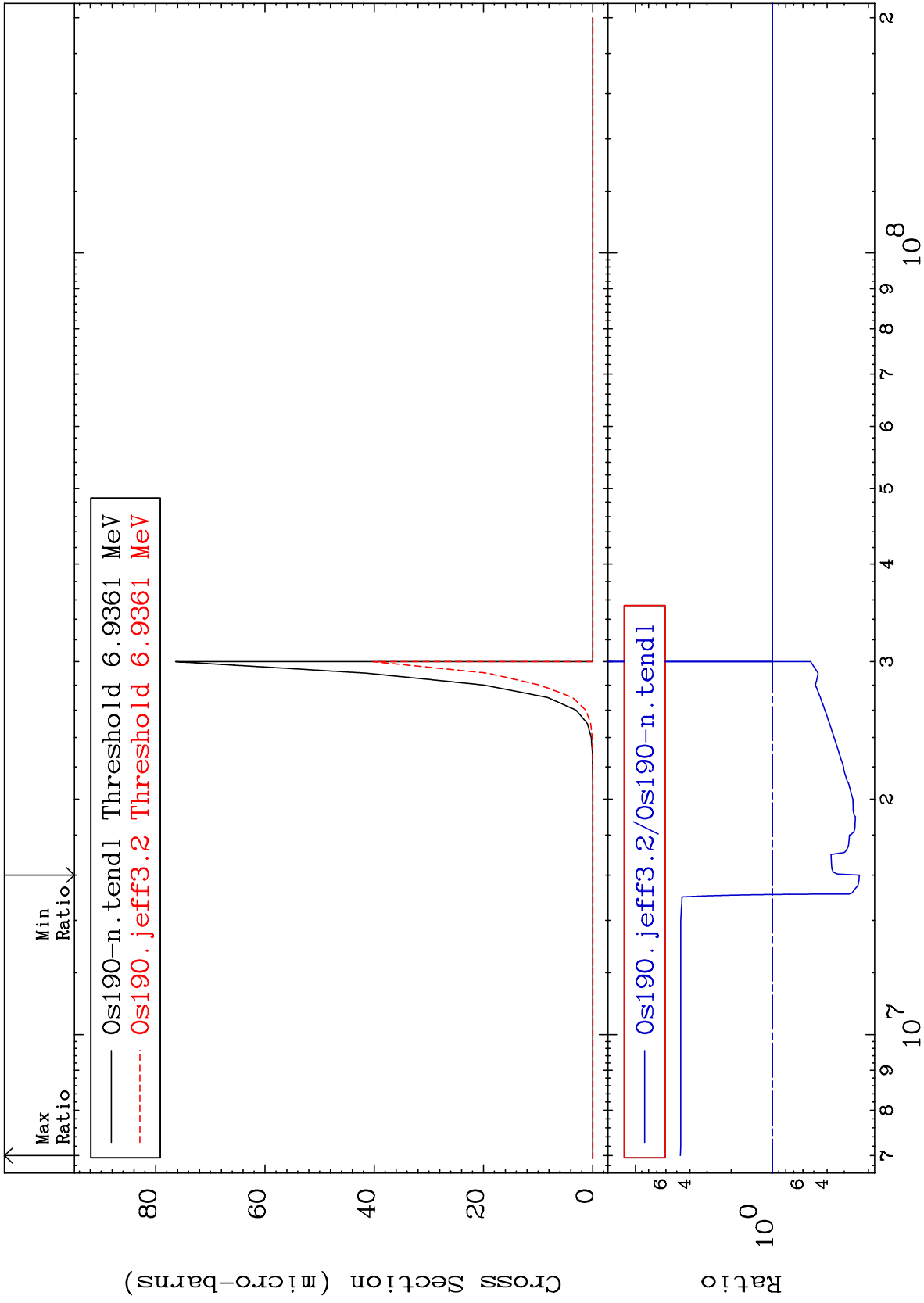
MAT 7643

(n, He-3)

76-0s-190

Cross Section

-76.76 To 370.1 %



54

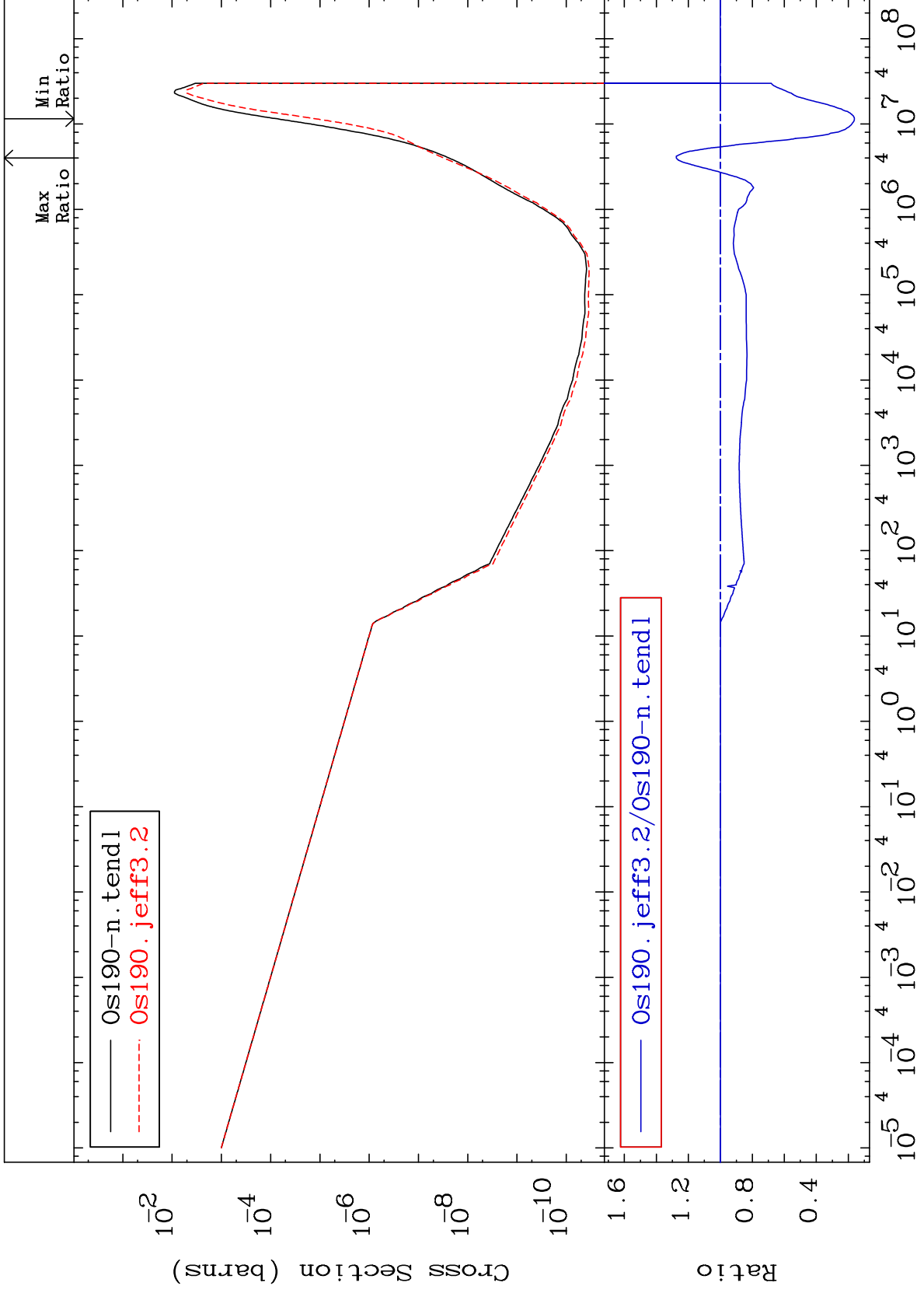
Incident Energy (eV)

76-0s-190

MAT 7643

(n, α)
Cross Section

76-0s-190
-83.80 To 27.50 %



55

Incident Energy (eV)

76-0s-190

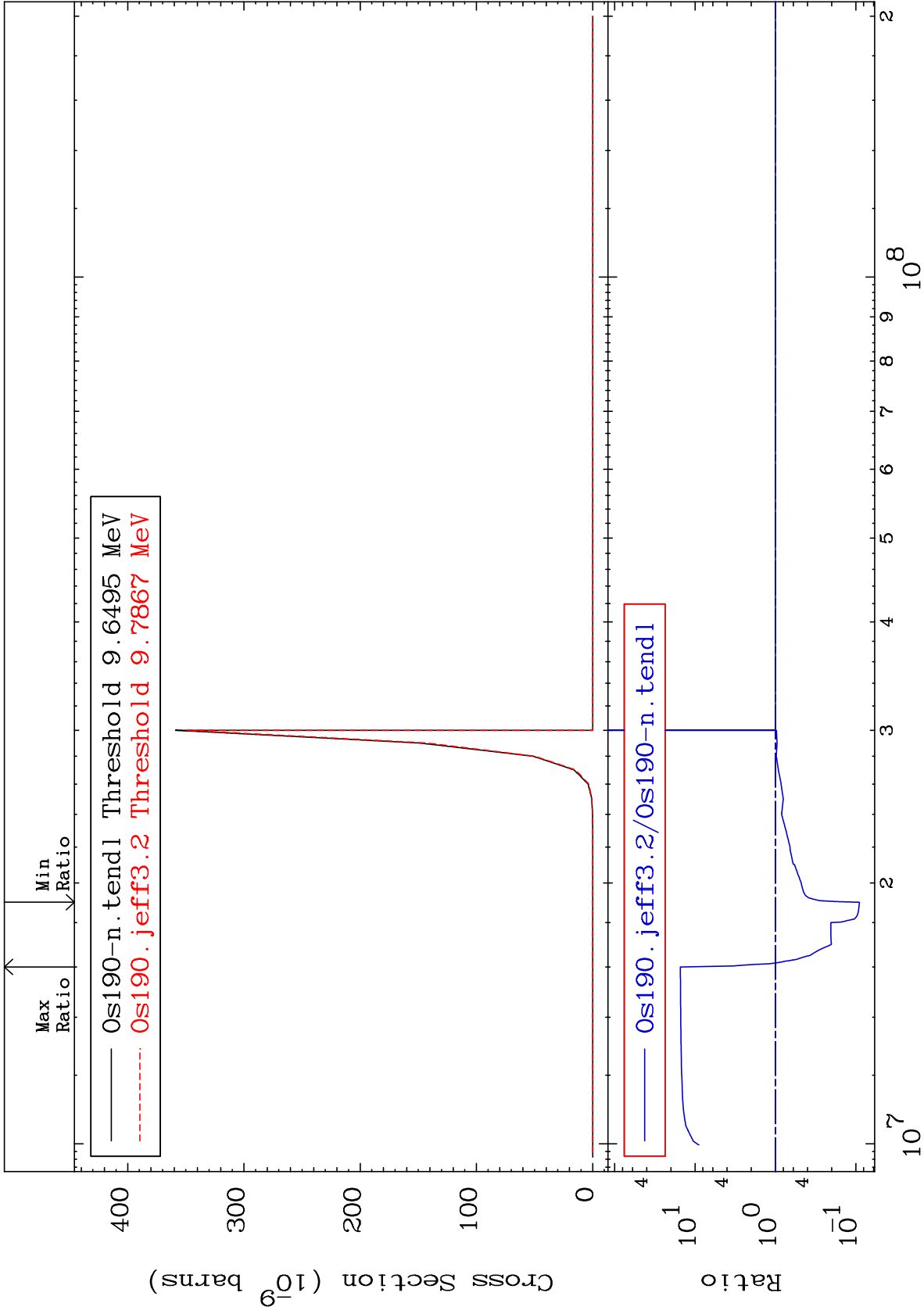
MAT 7643

(n,2p)

76-Os-190

Cross Section

-90.98 To 1425. %



56

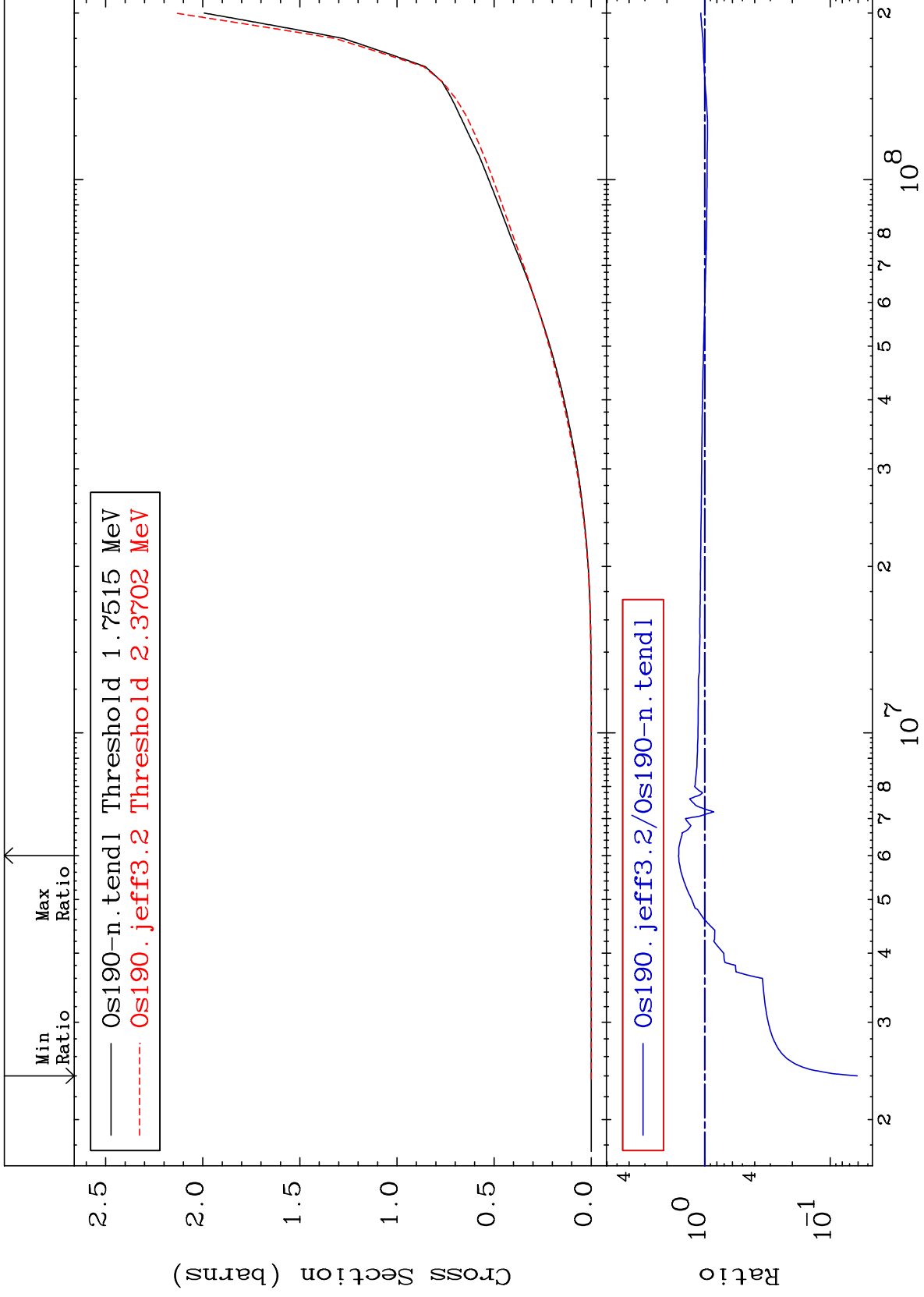
Incident Energy (eV)

76-Os-190

MAT 7643

Hydrogen Production Cross Section

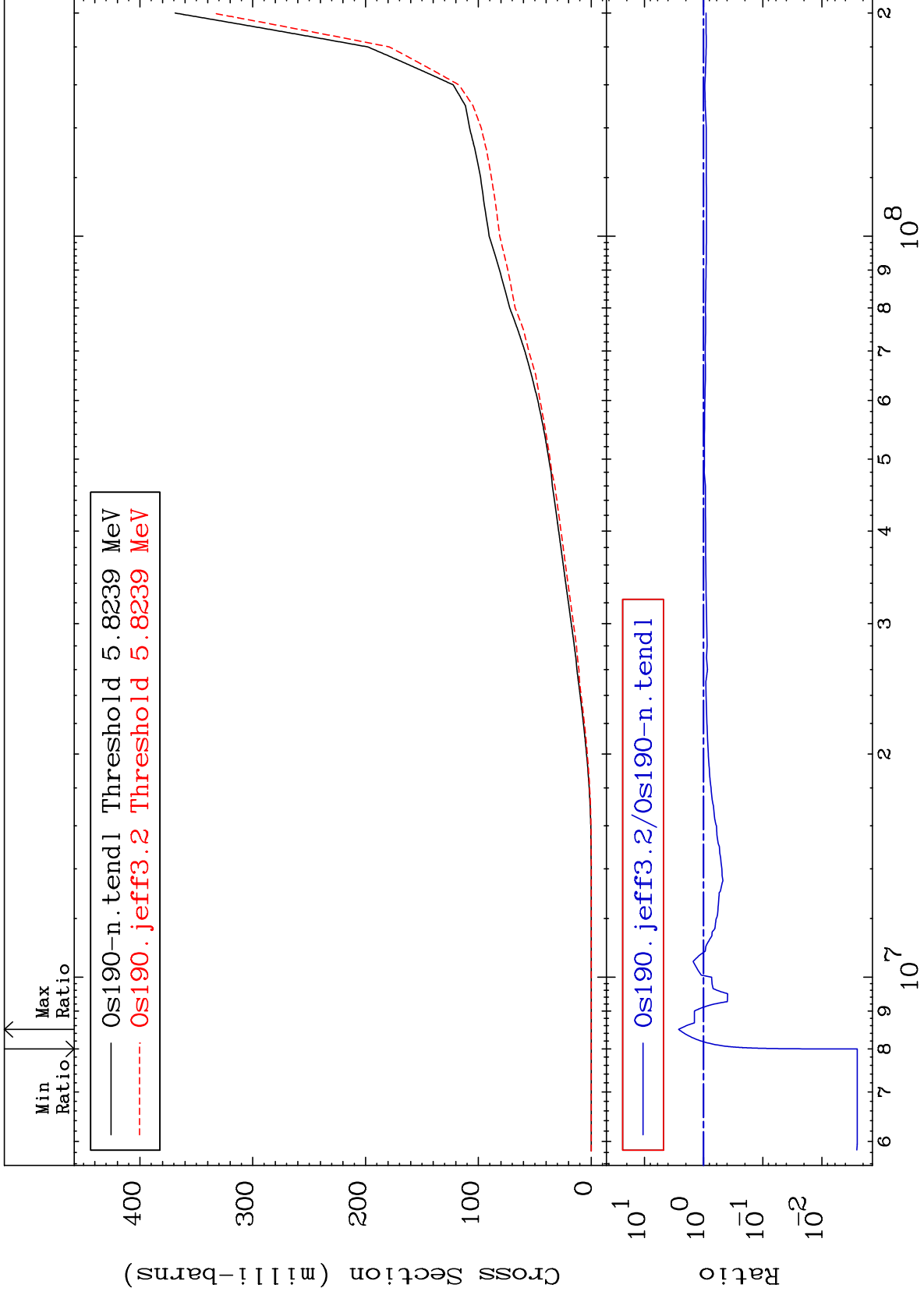
76-0s-190
-93.92 To 61.33 %



MAT 7643

Deuterium Production
Cross Section

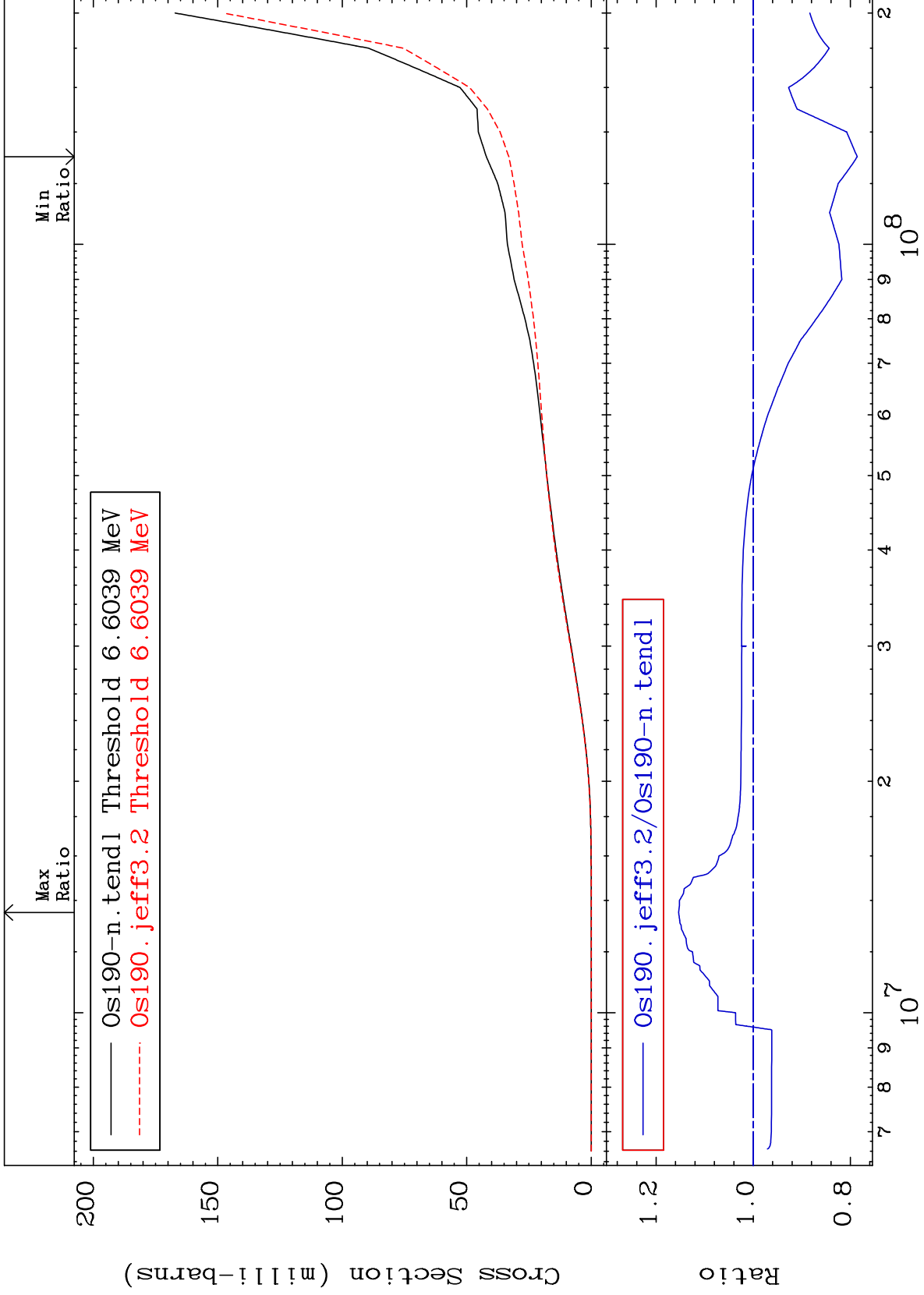
76-0s-190
-99.75 To 164.9 %



MAT 7643

Tritium Production
Cross Section

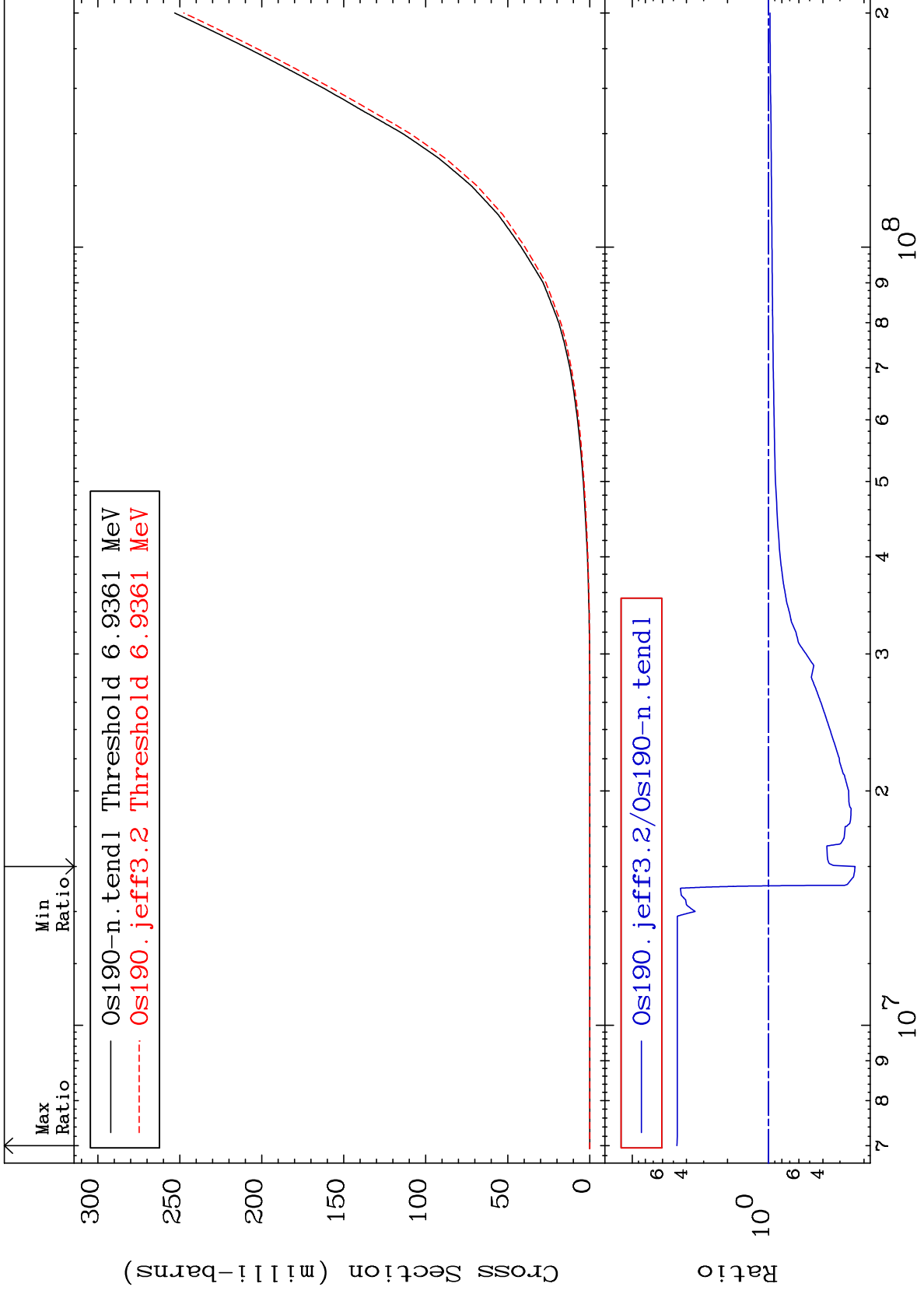
76-0s-190
-21.42 To 15.36 %



MAT 7643

He-3 Production
Cross Section

76-0s-190
-76.74 To 370.1 %



60

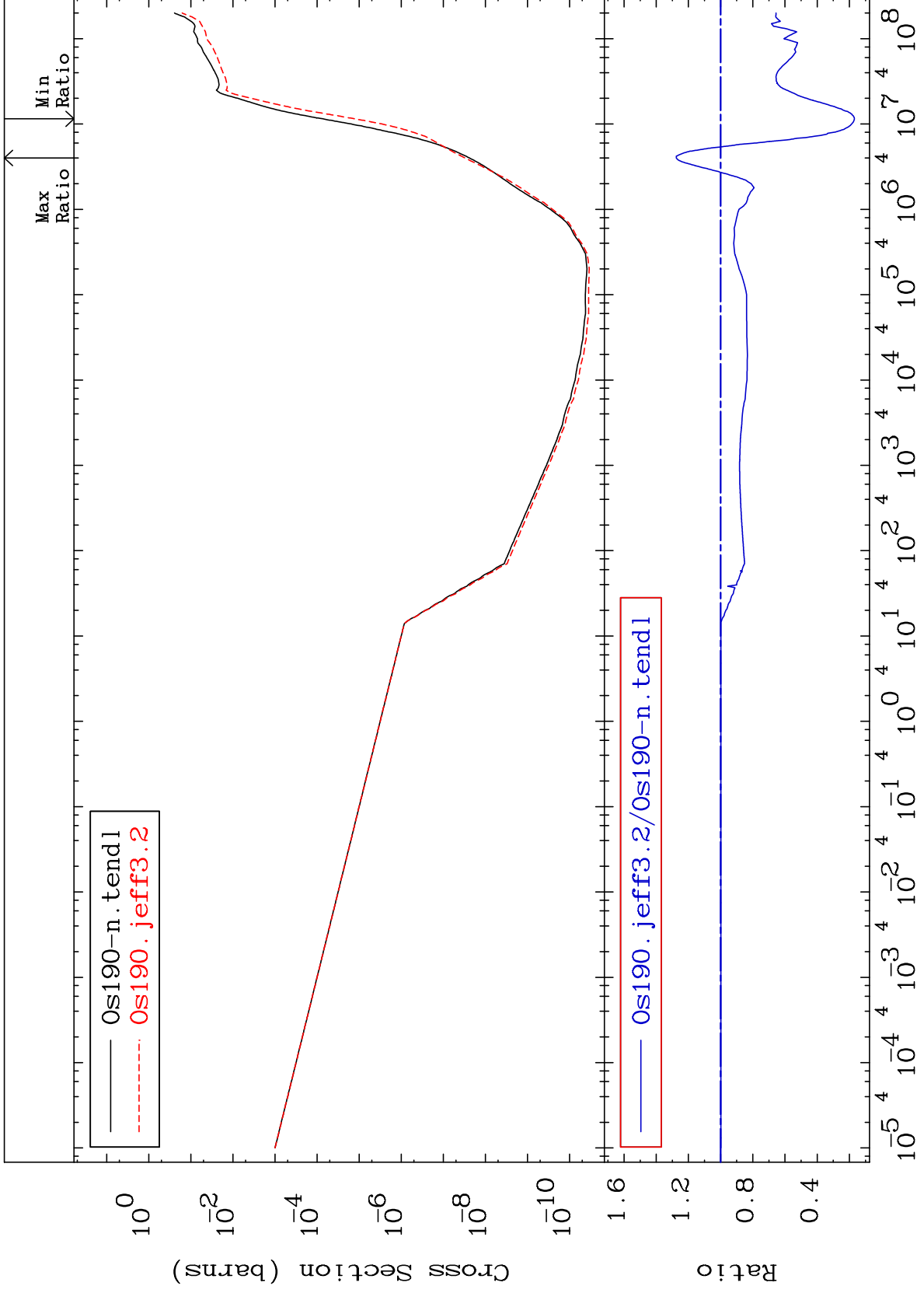
Incident Energy (eV)

76-0s-190

MAT 7643

He-4 Production
Cross Section

76-0s-190
-83.11 To 27.50 %



61

Incident Energy (eV)

76-0s-190

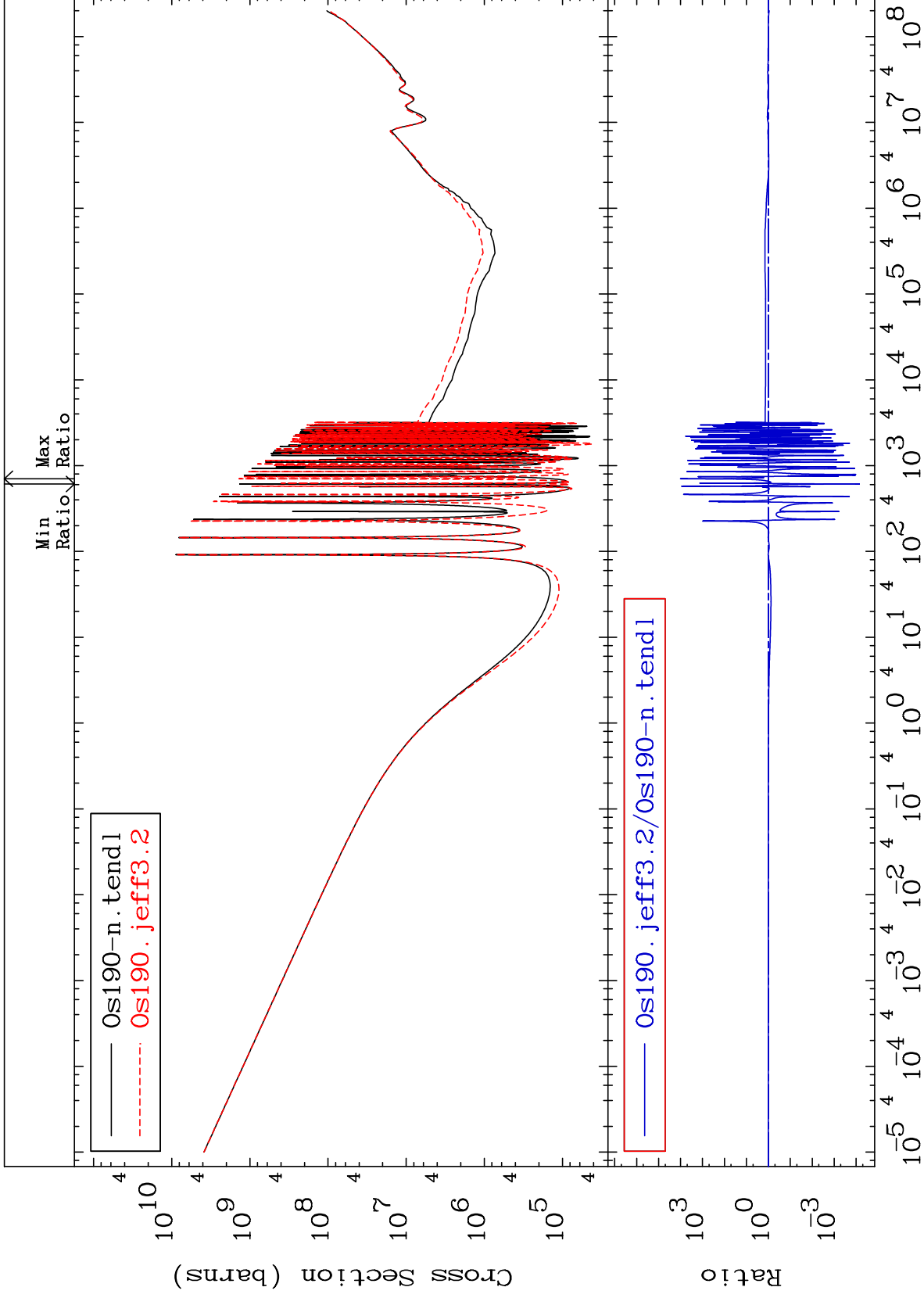
MAT 7643

Kerma total (eV-barns)

76-0s-190

Cross Section

-99.99 To 9999. %



62

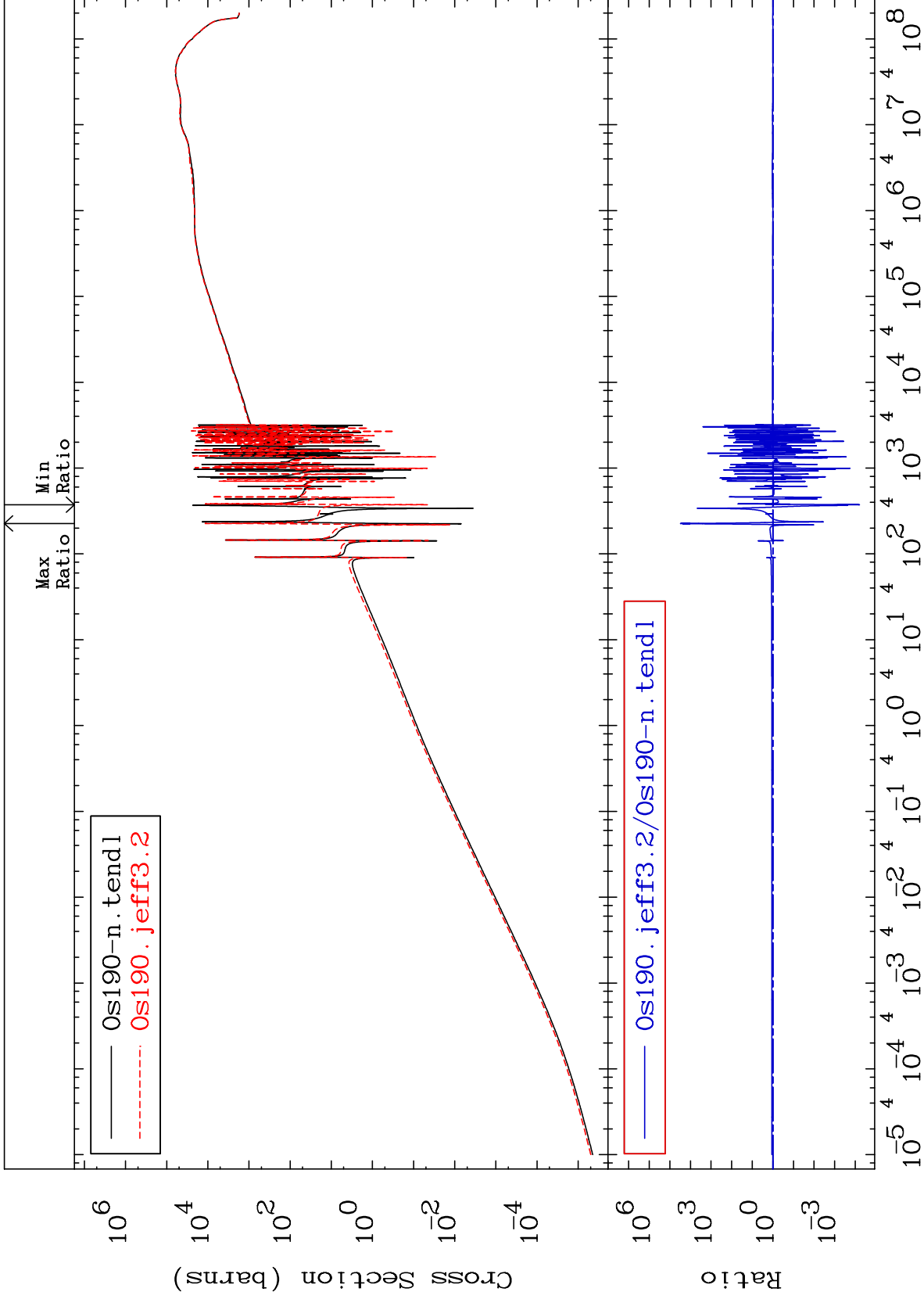
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma elastic
Cross Section

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



63

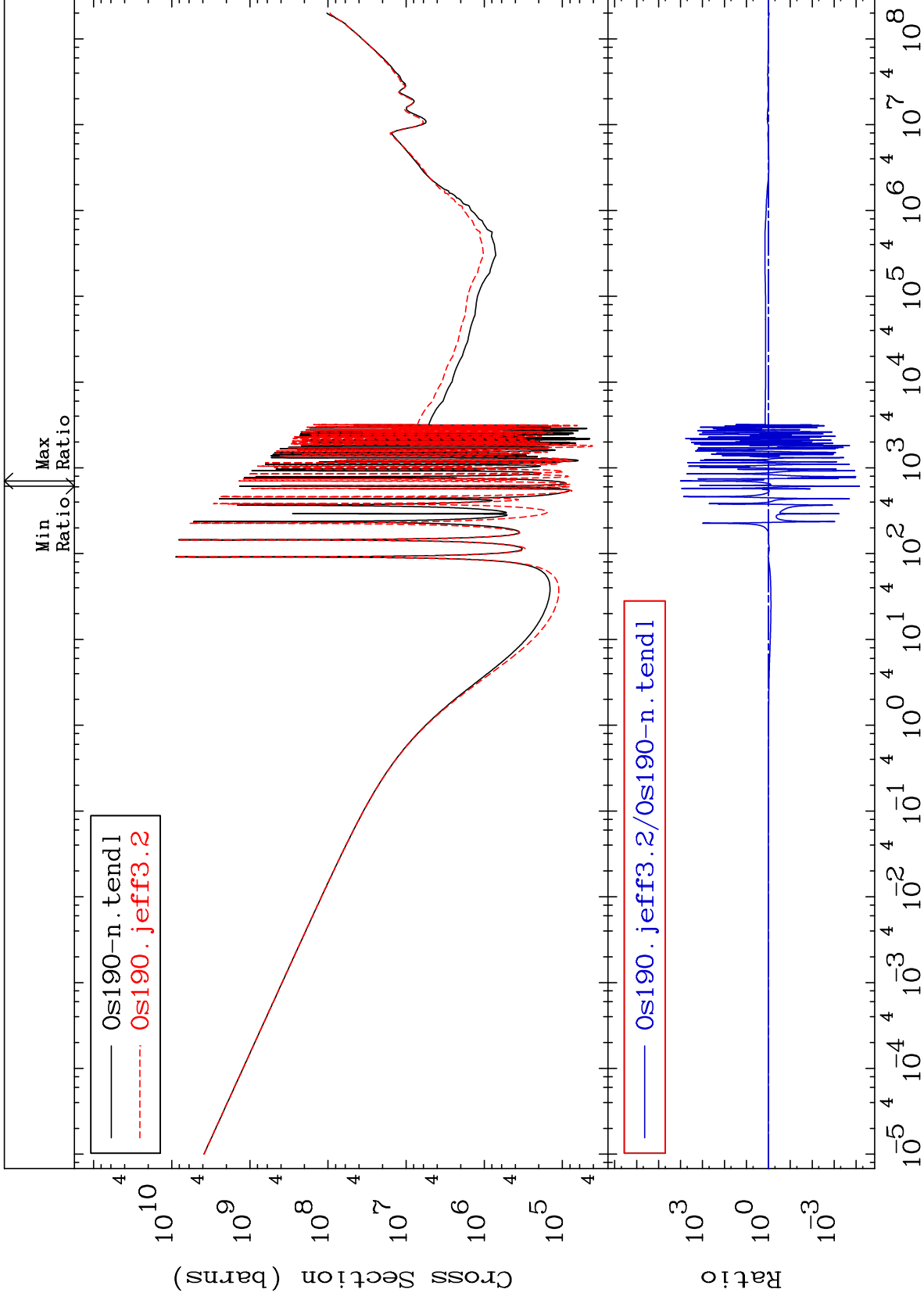
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma non-elastic (all but mt2)
Cross Section

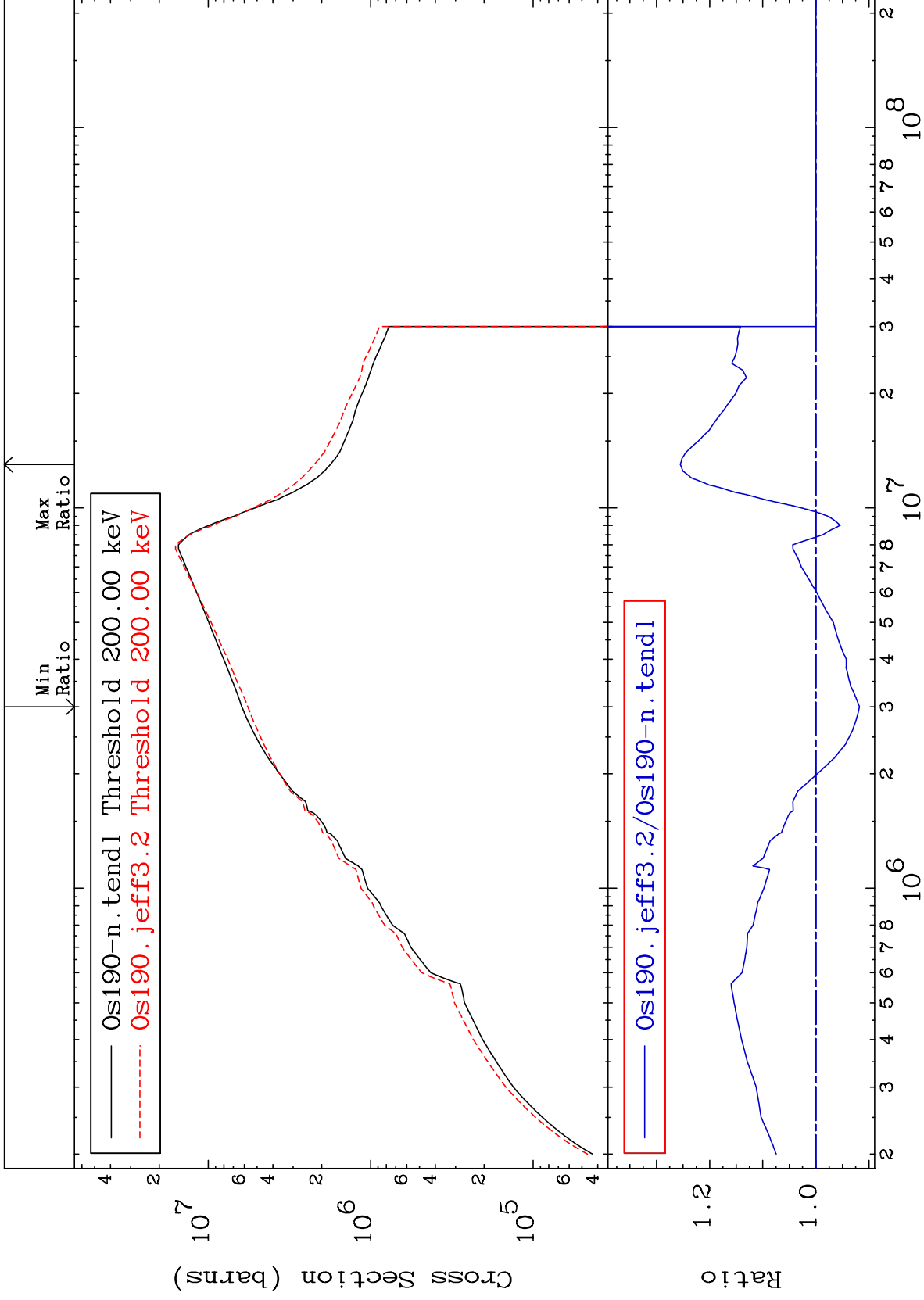
76-0s-190
-99.99 To 9999. %



MAT 7643

Kerma inelastic (mt51-91)
Cross Section

76-0s-190
-8.195 To 25.51 %



65

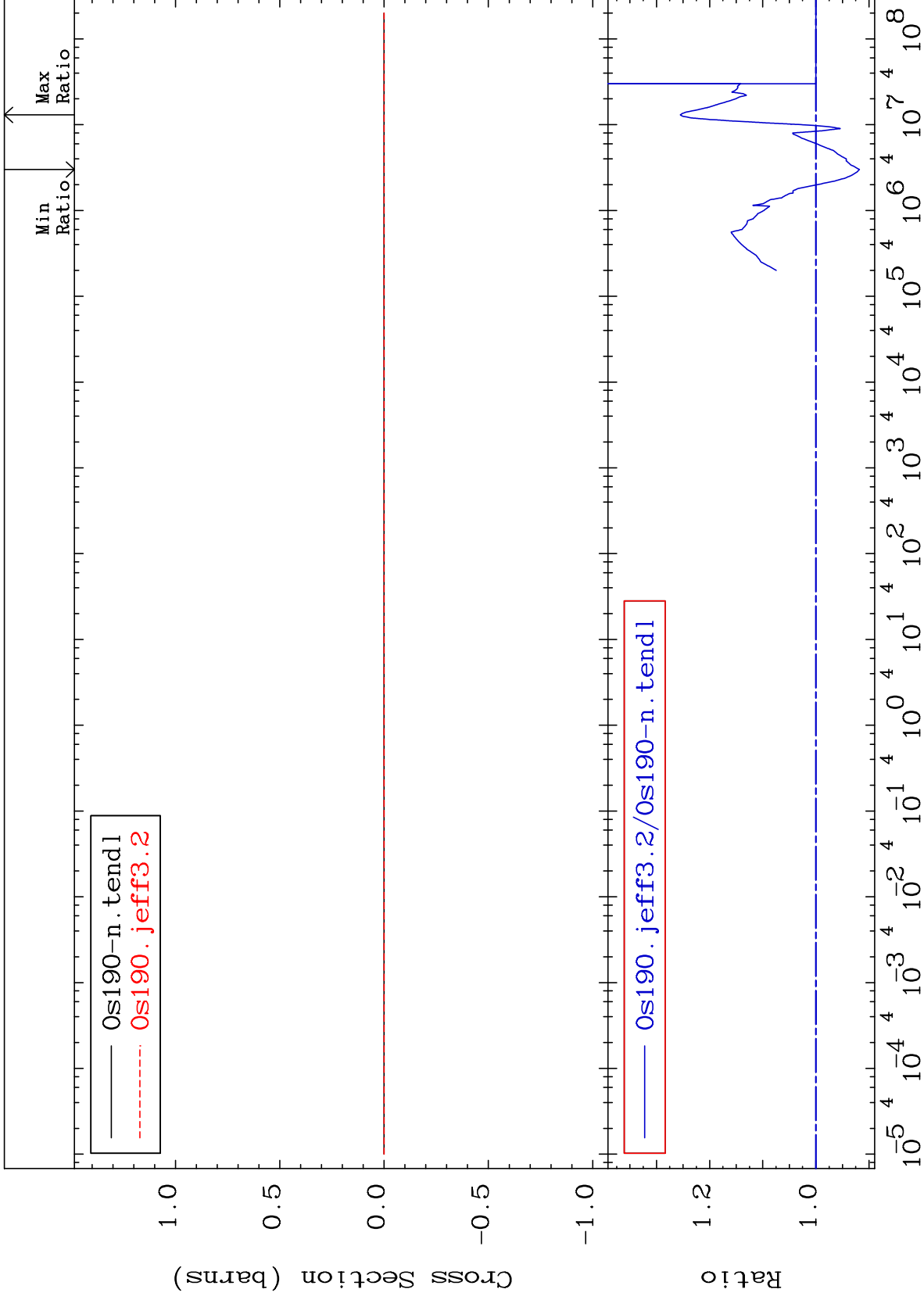
Incident Energy (eV)

76-0s-190

MAT 7643

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

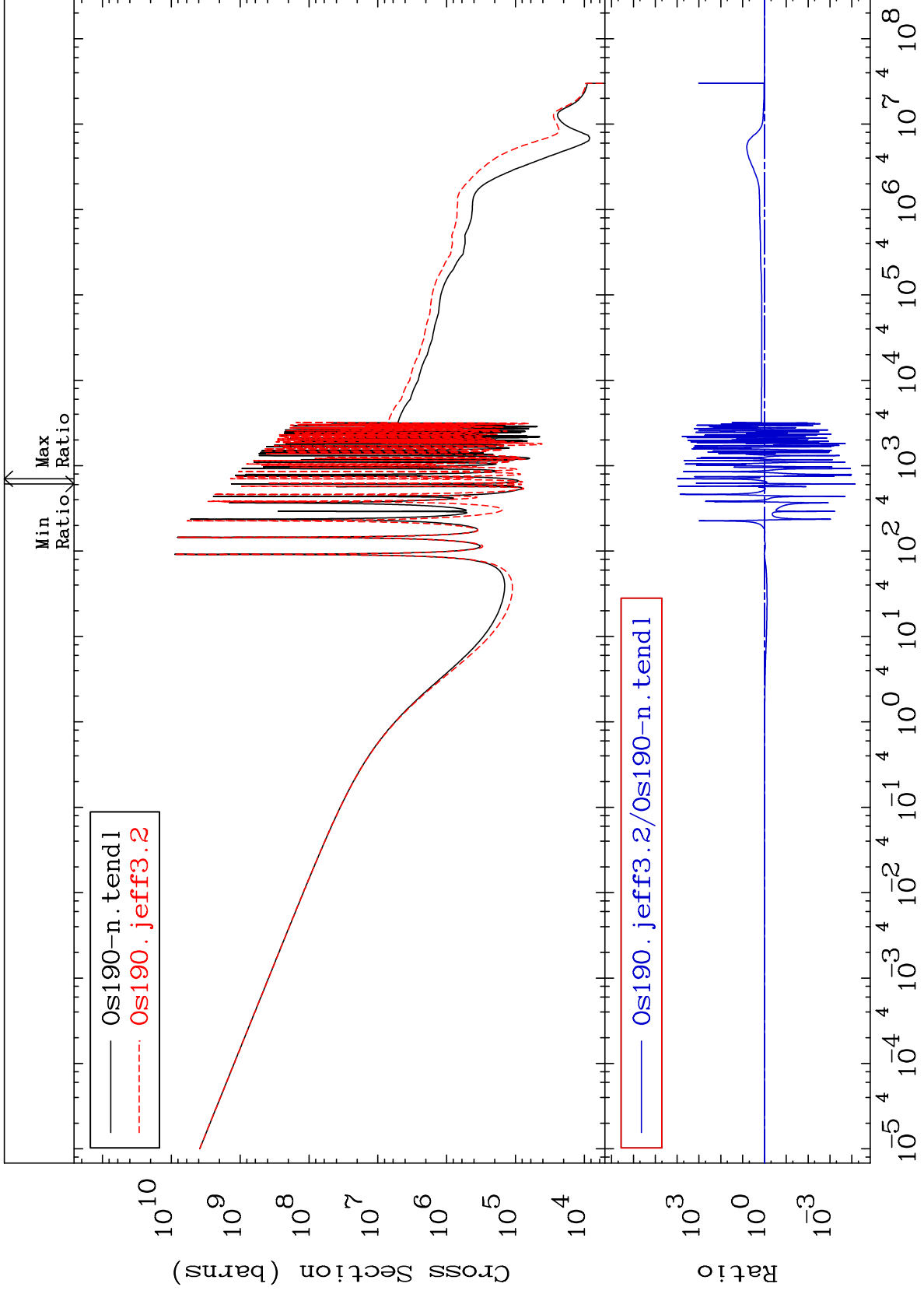
76-0s-190
-8.195 To 25.51 %



MAT 7643

Kerma capture (mt102)
Cross Section

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



67

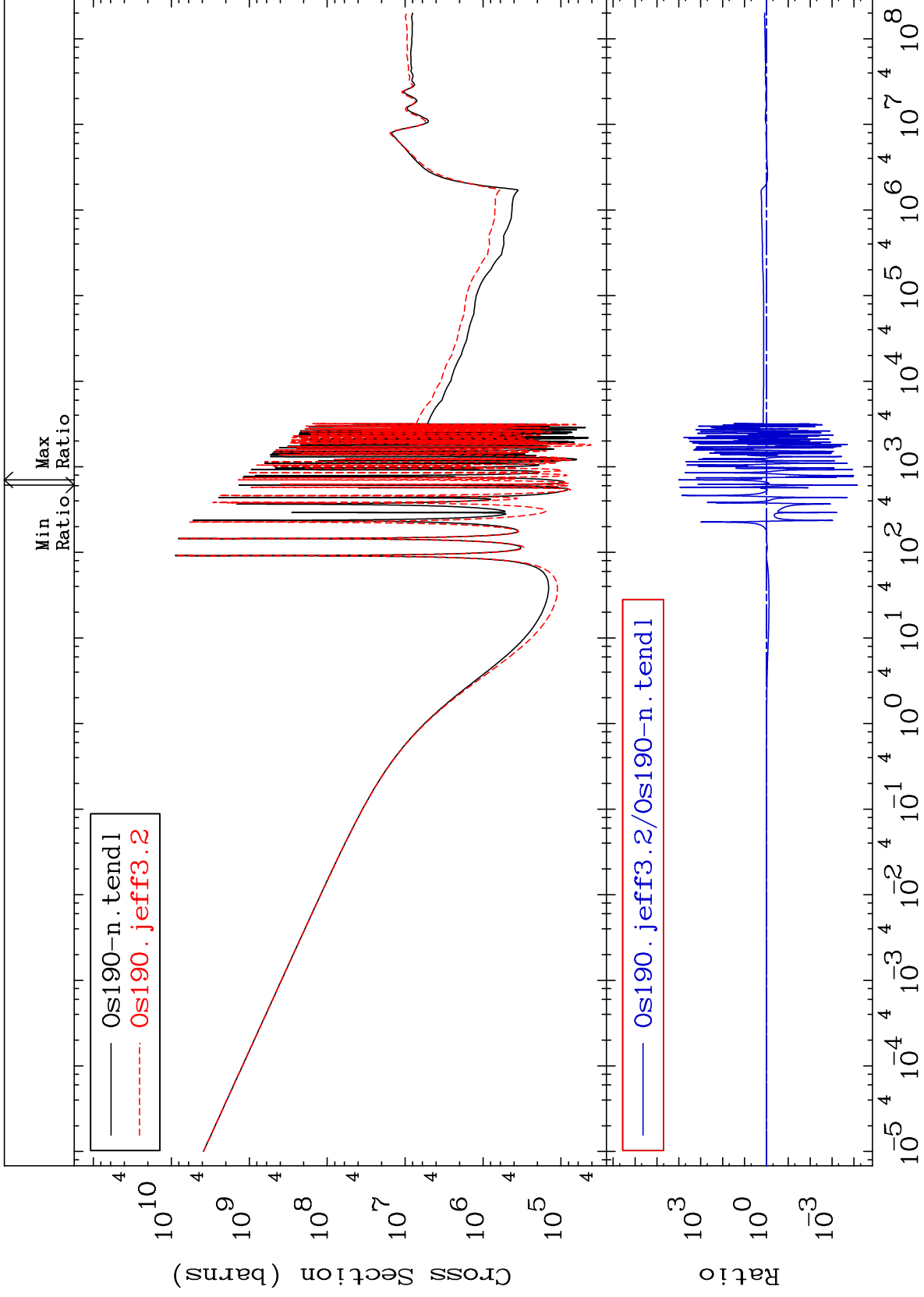
Incident Energy (eV)

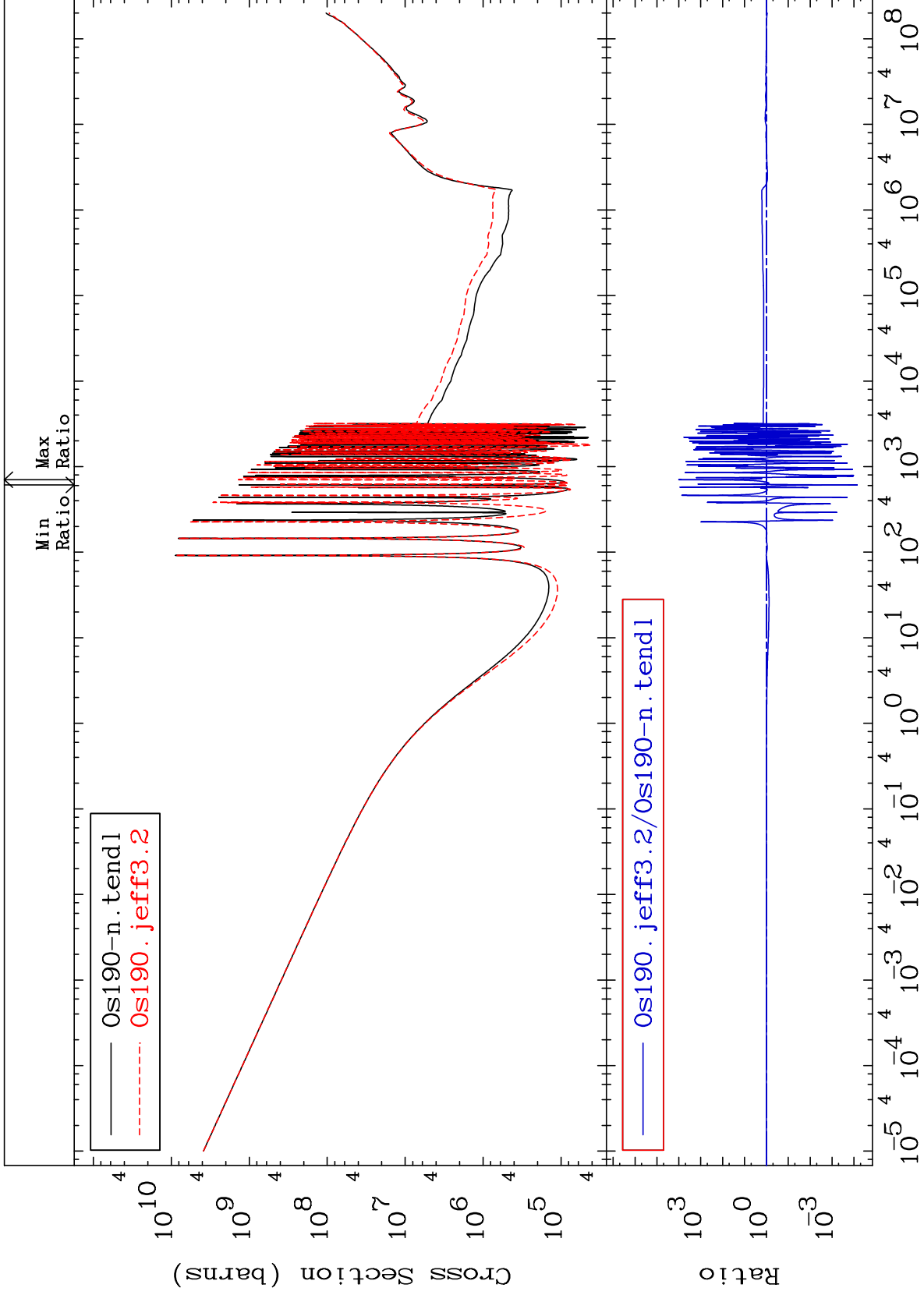
76-0s-190

MAT 7643

Total photon (eV-barns)
Cross Section

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

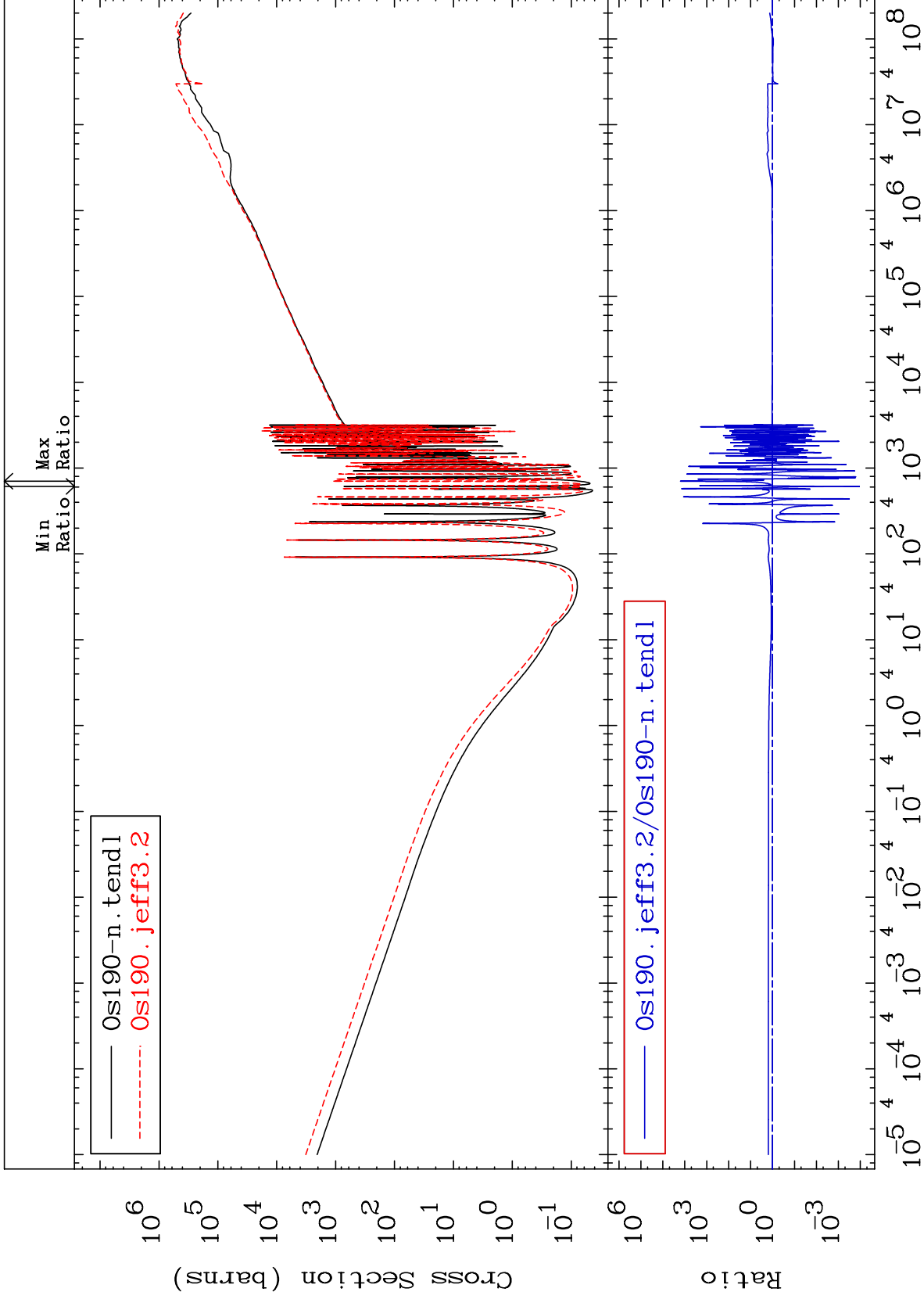




MAT 7643

Dpa total (eV-barns)
Cross Section

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



70

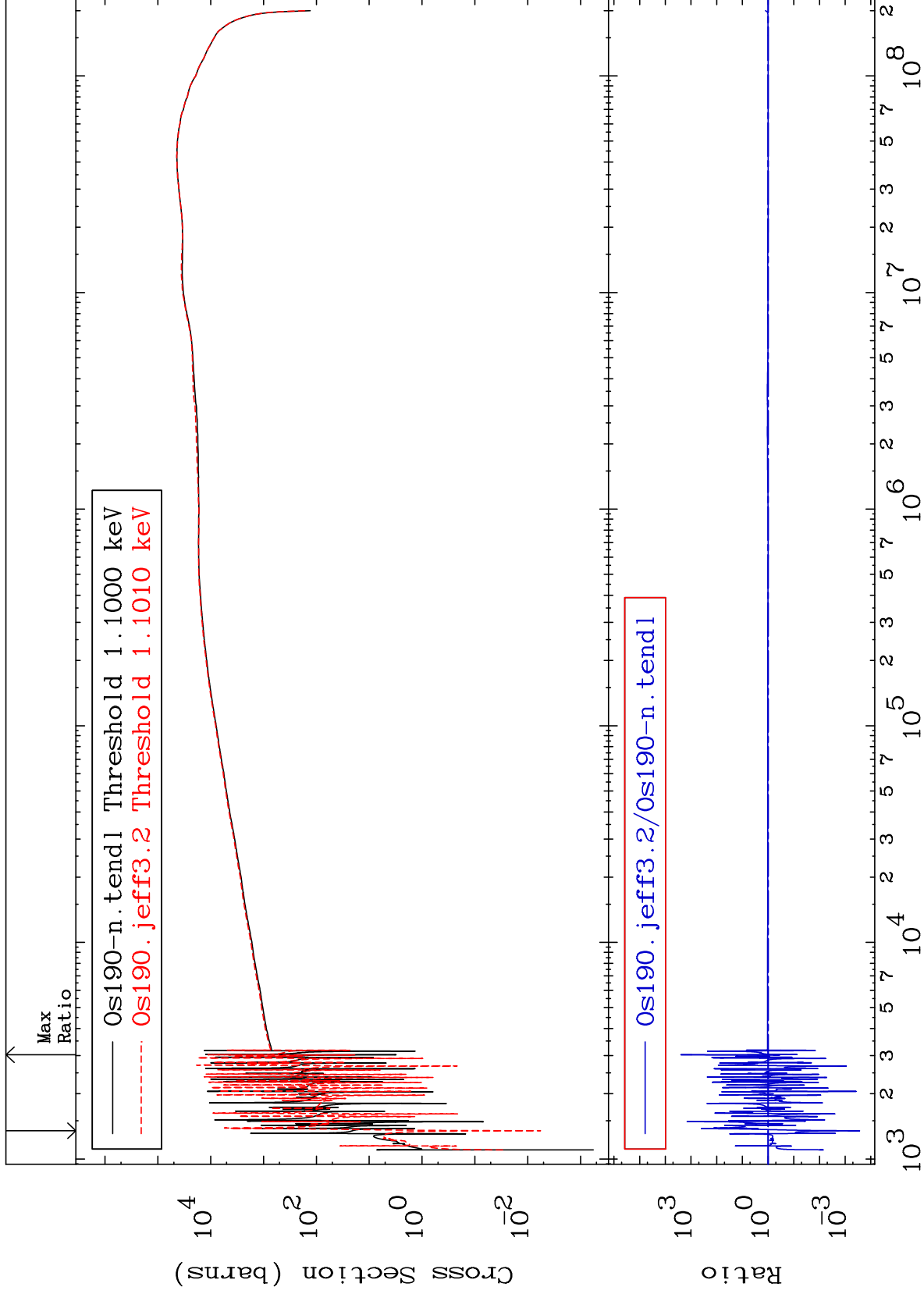
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa elastic (mt2)
Cross Section

76-0s-190
-99.97 To 9999. %



71

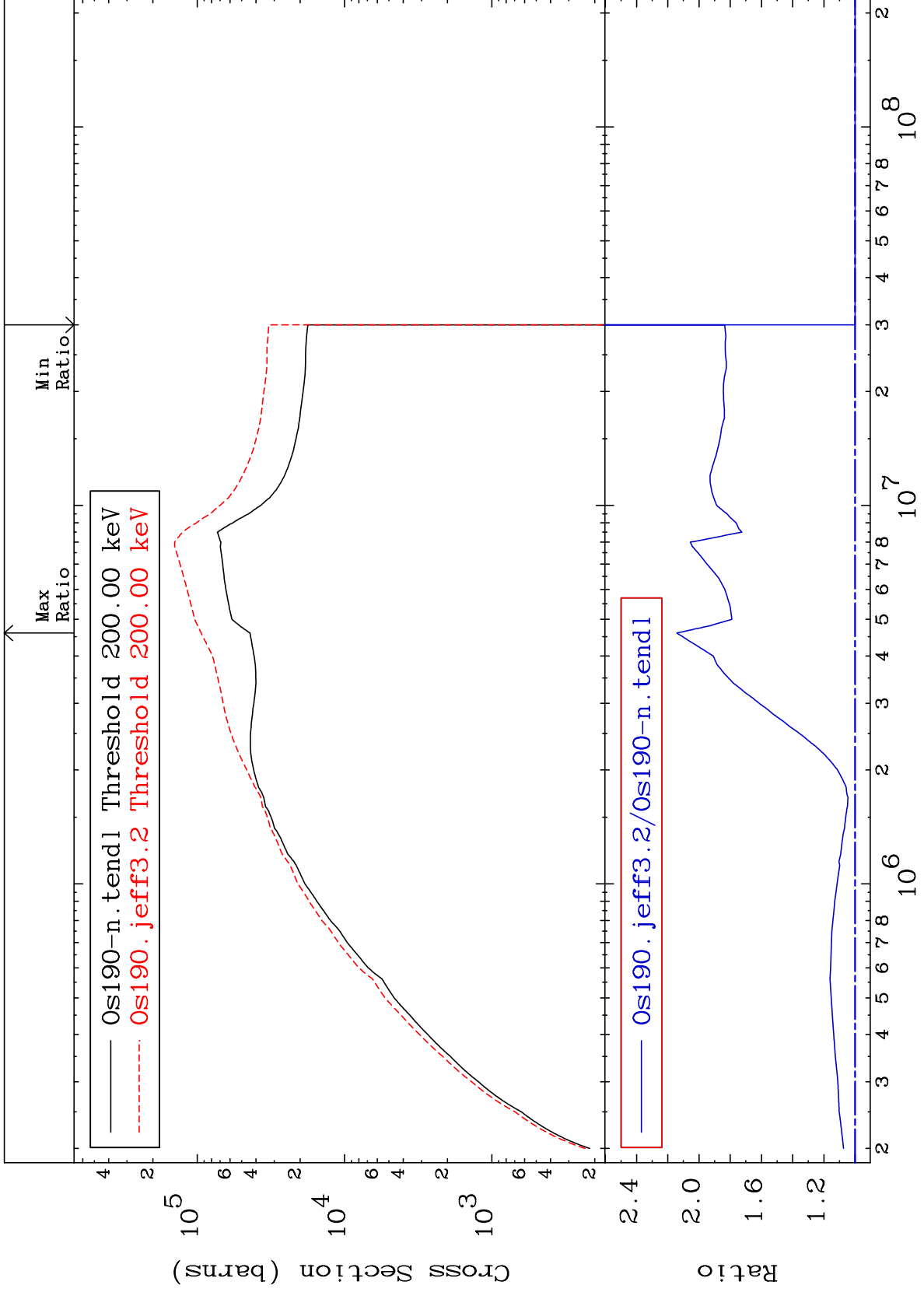
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa inelastic (mt51-91)
Cross Section

76-0s-190
0.000 To 114.2 %



72

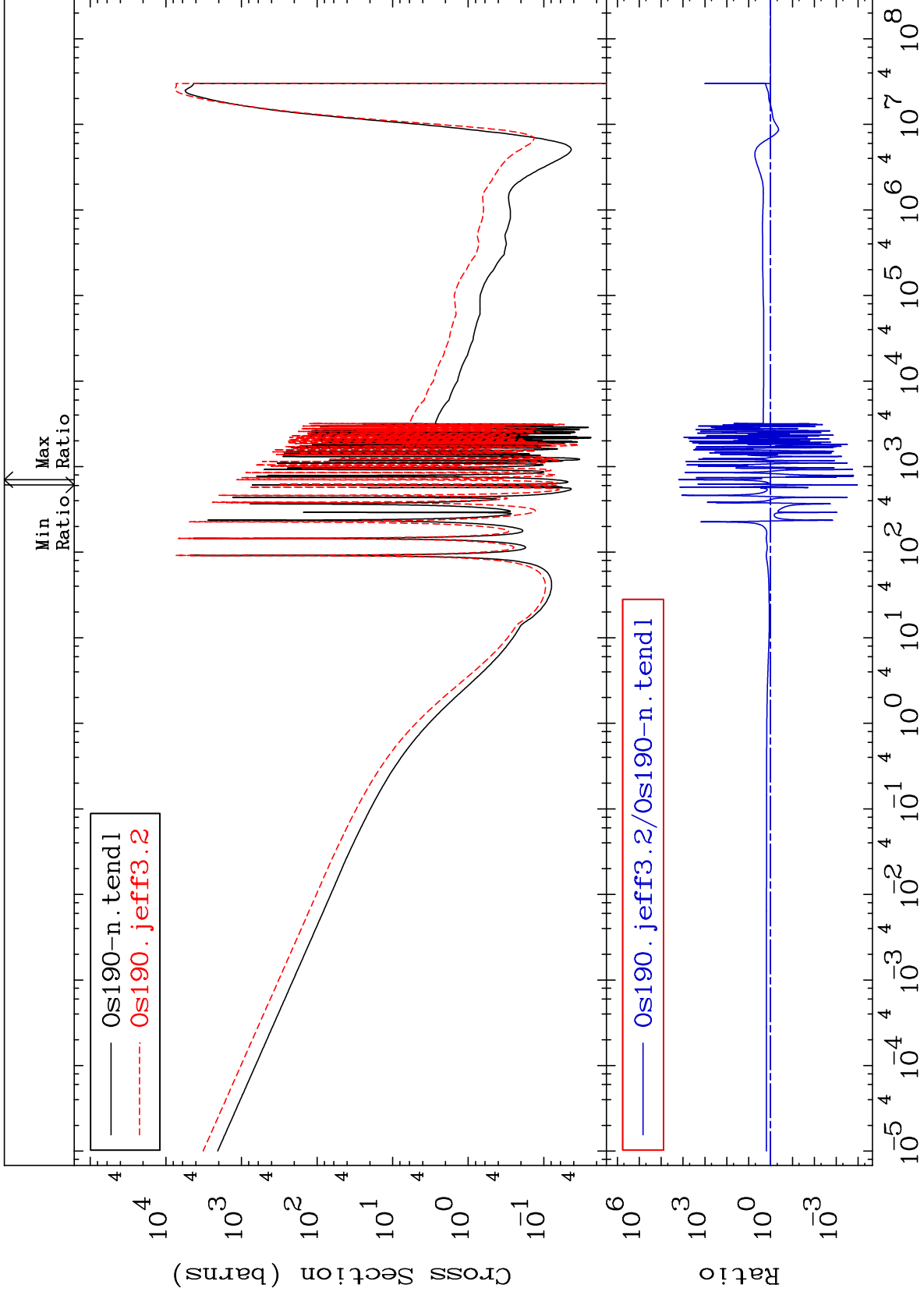
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa disappearance (mt102 -120)
Cross Section

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



73

Incident Energy (eV)

76-0s-190

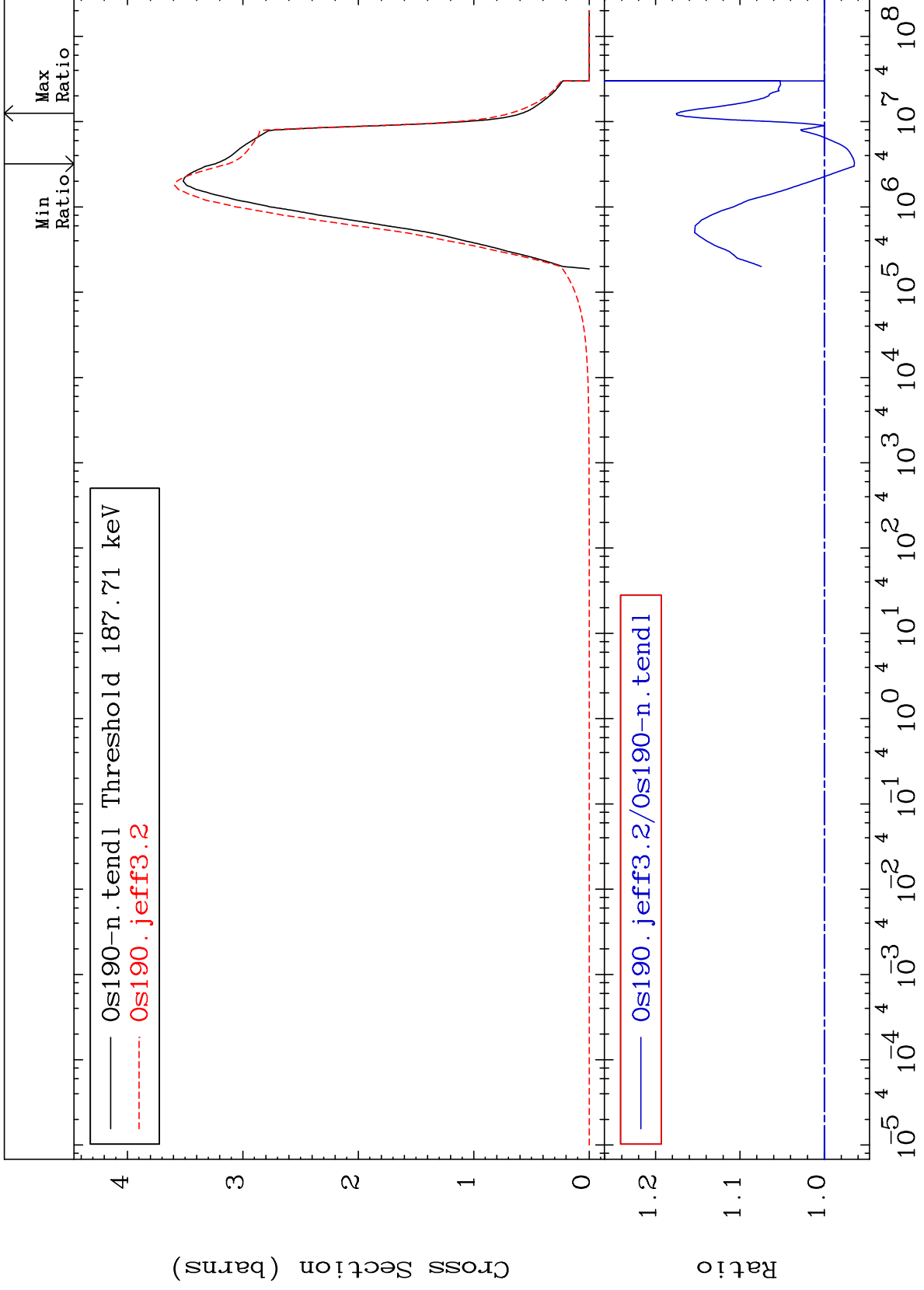
MAT 7643

Inelastic:76-0s-190g

76-0s-190

Radionuclide Production Cross Section

-3.553 To 17.53 %



74

Incident Energy (eV)

76-0s-190

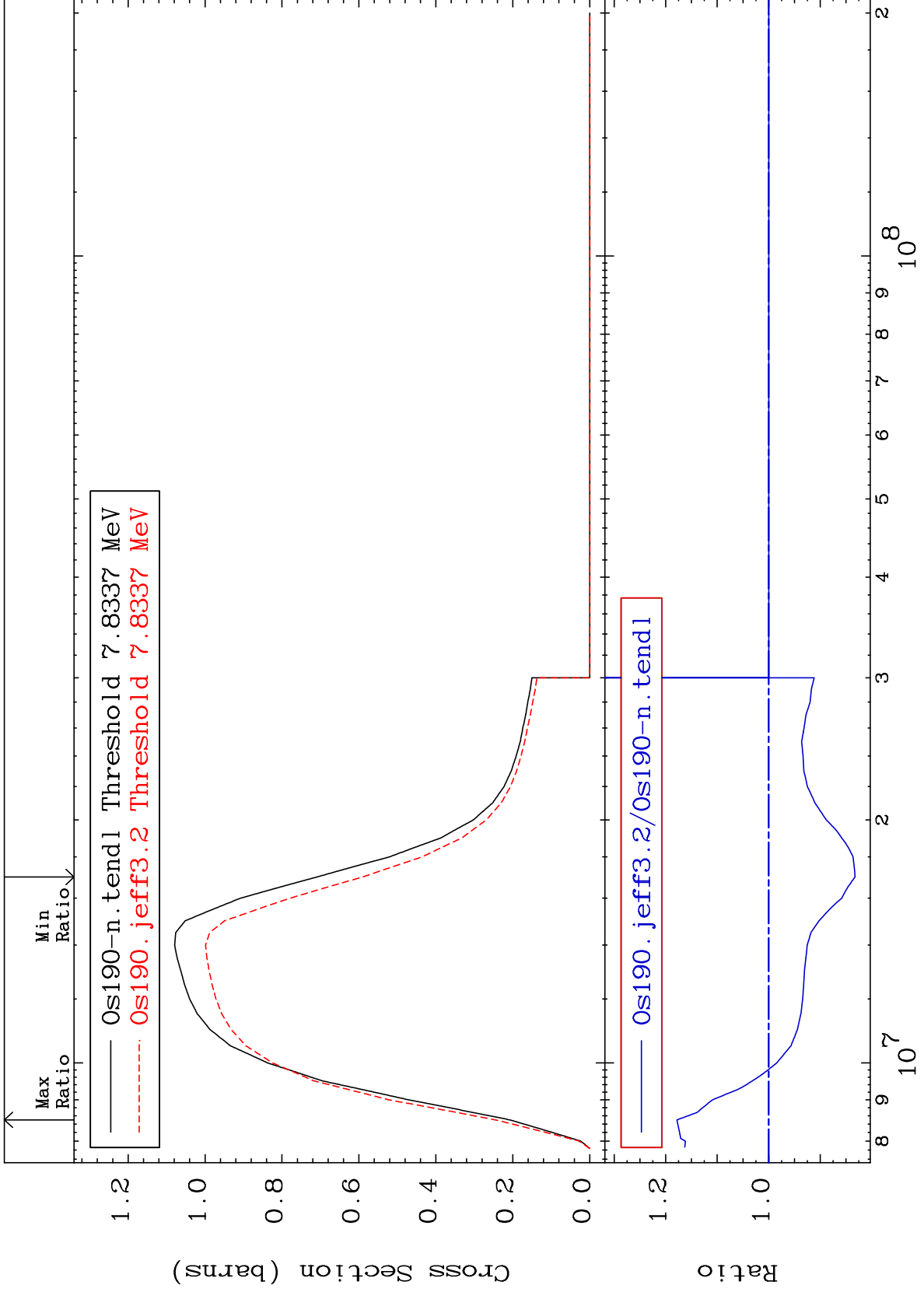
MAT 7643

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

76-Os-190

Radionuclide Production Cross Section

-16.76 To 17.82 %



75

Incident Energy (eV)

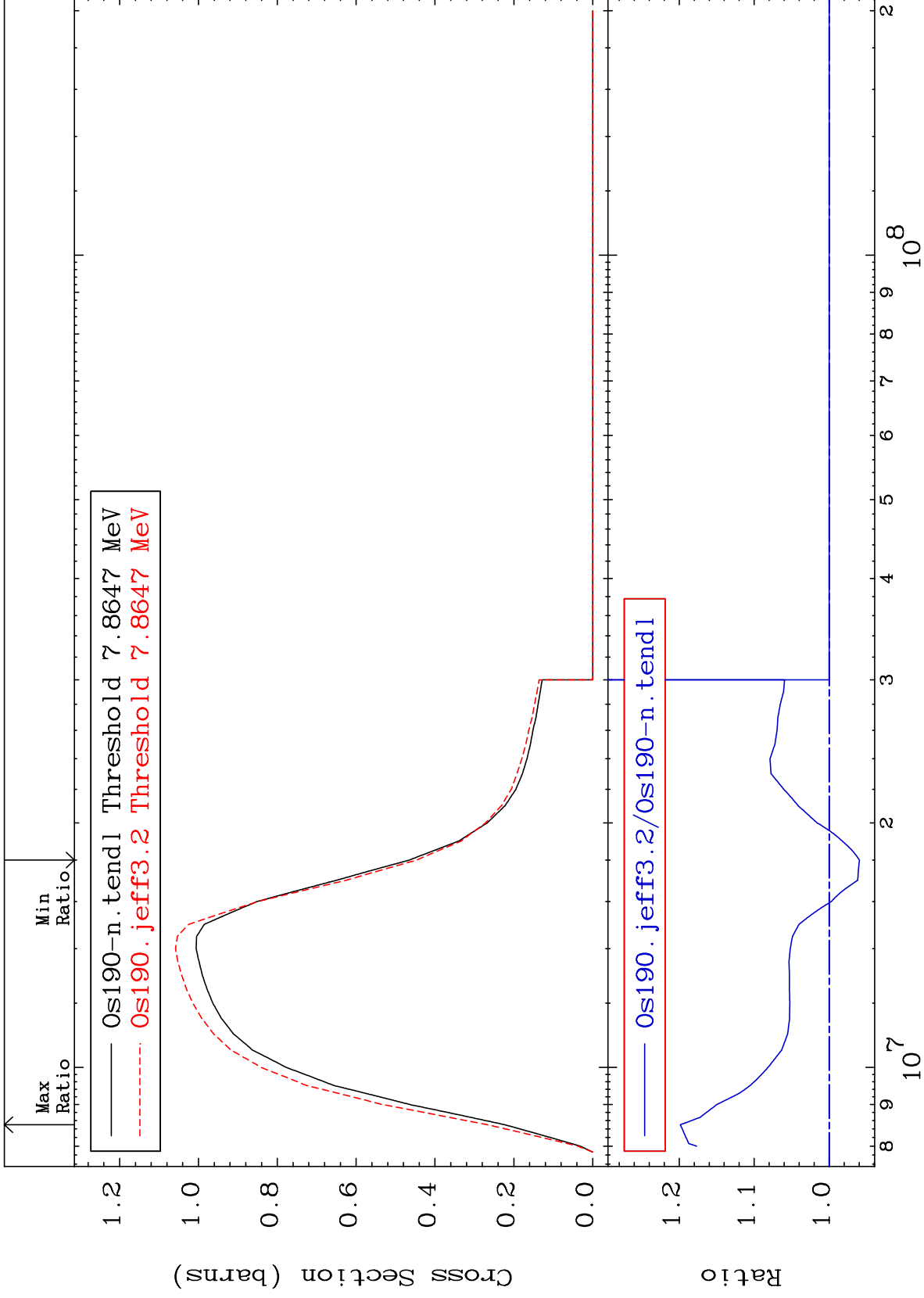
76-Os-190

MAT 7643

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

76-0s-190

Radionuclide Production Cross Section -4.033 To 19.85 %



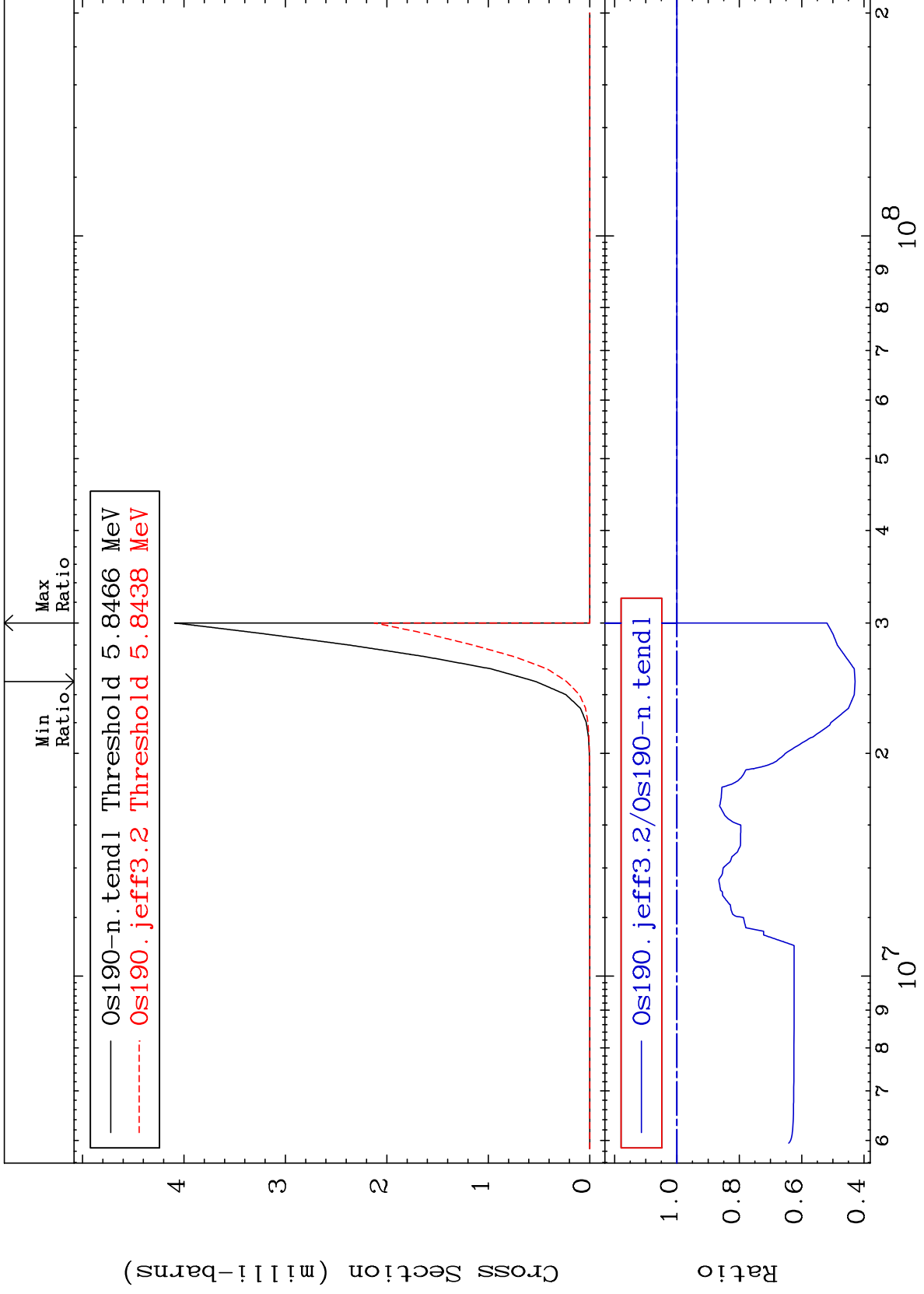
76

Incident Energy (eV)

76-0s-190

MAT 7643

(n,2n) α : 74-W -185g 76-0s-190
Radionuclide Production Cross Section -57.12 To 0.000 %



77

Incident Energy (eV)

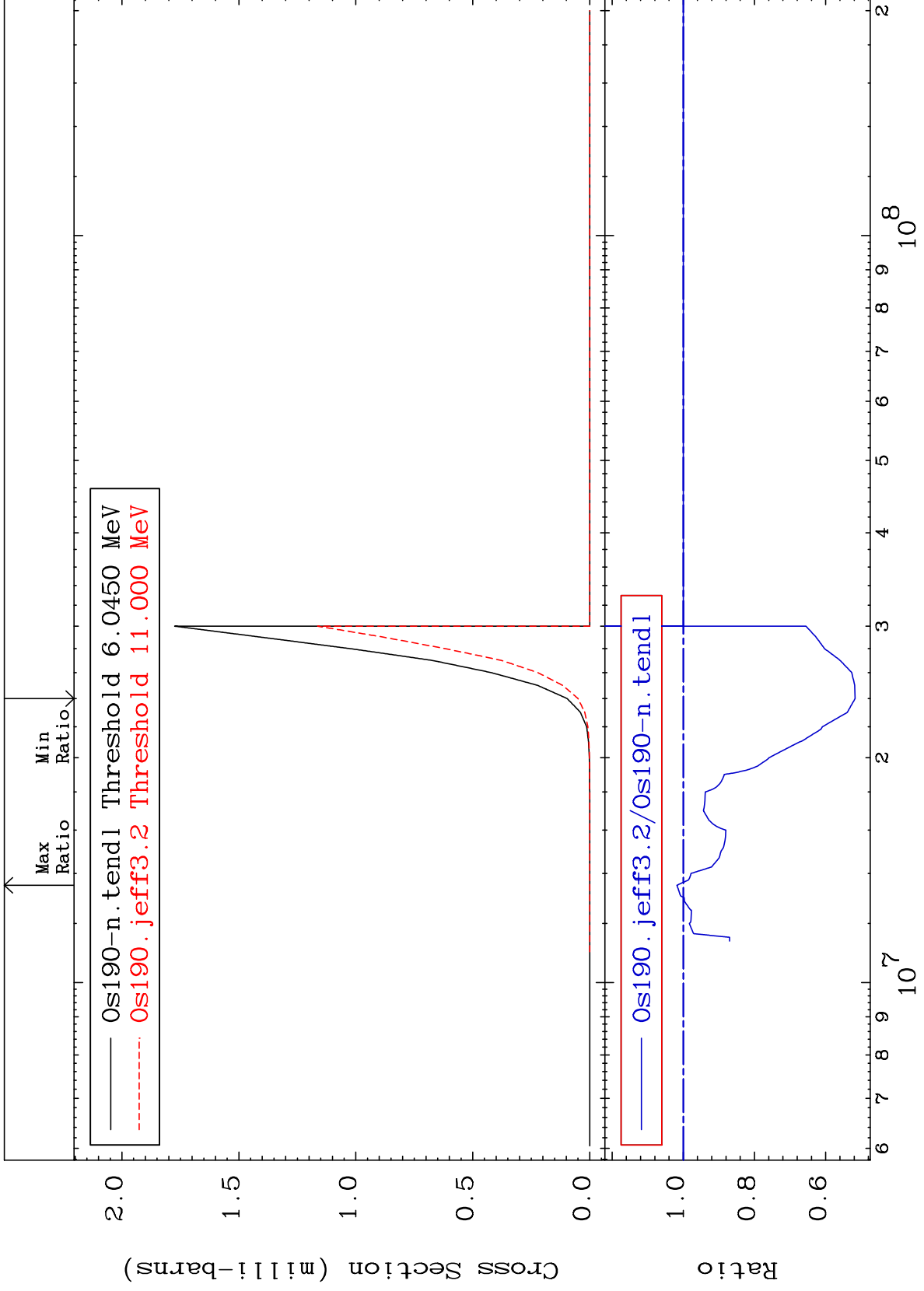
76-0s-190

MAT 7643

(n,2n) α : 74-W -185m6

76-0s-190

Radionuclide Production Cross Section -48.26 To 1.783 %

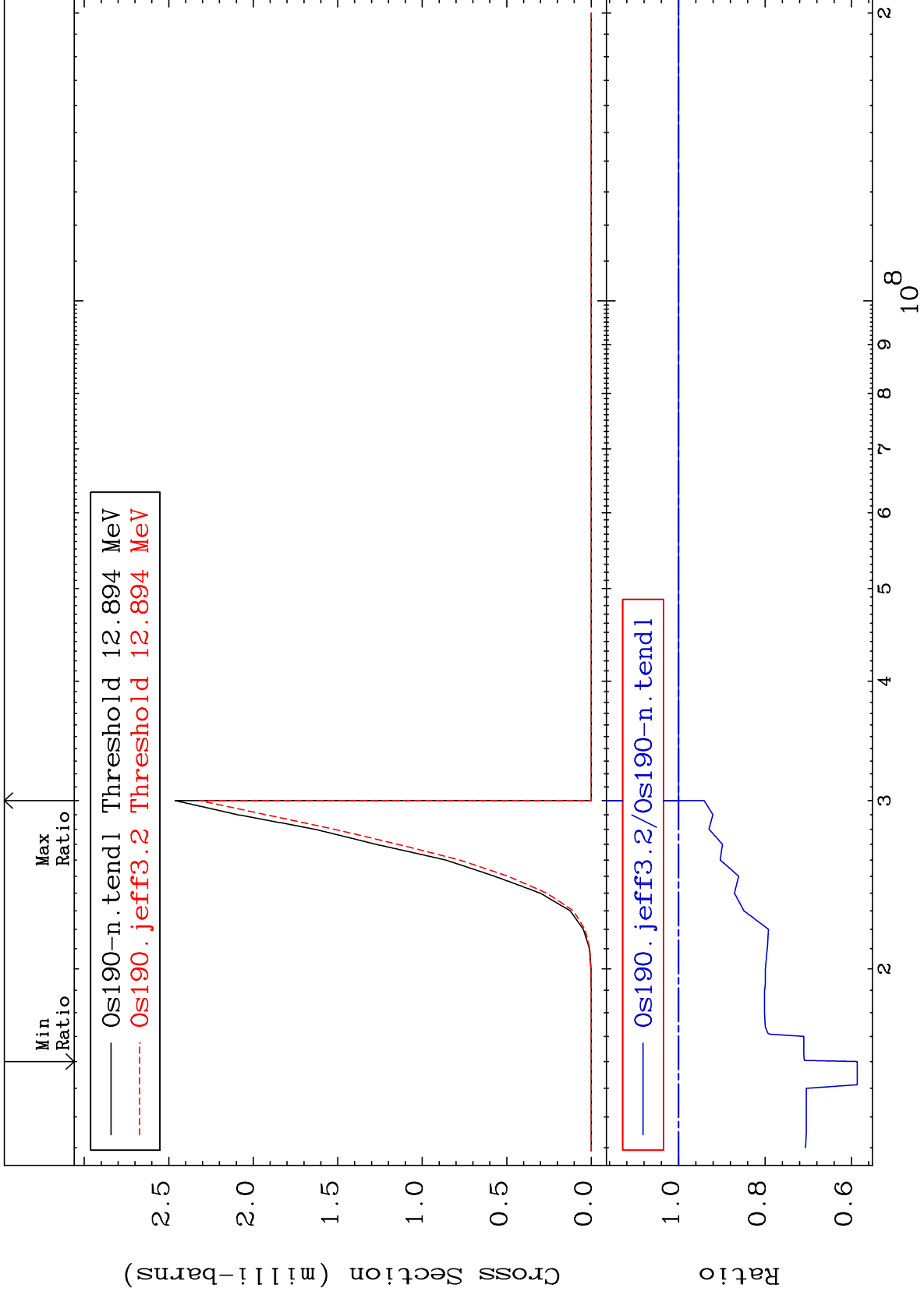


78

Incident Energy (eV)

76-0s-190

Radionuclide Production Cross Section -41.36 To 0.000 %



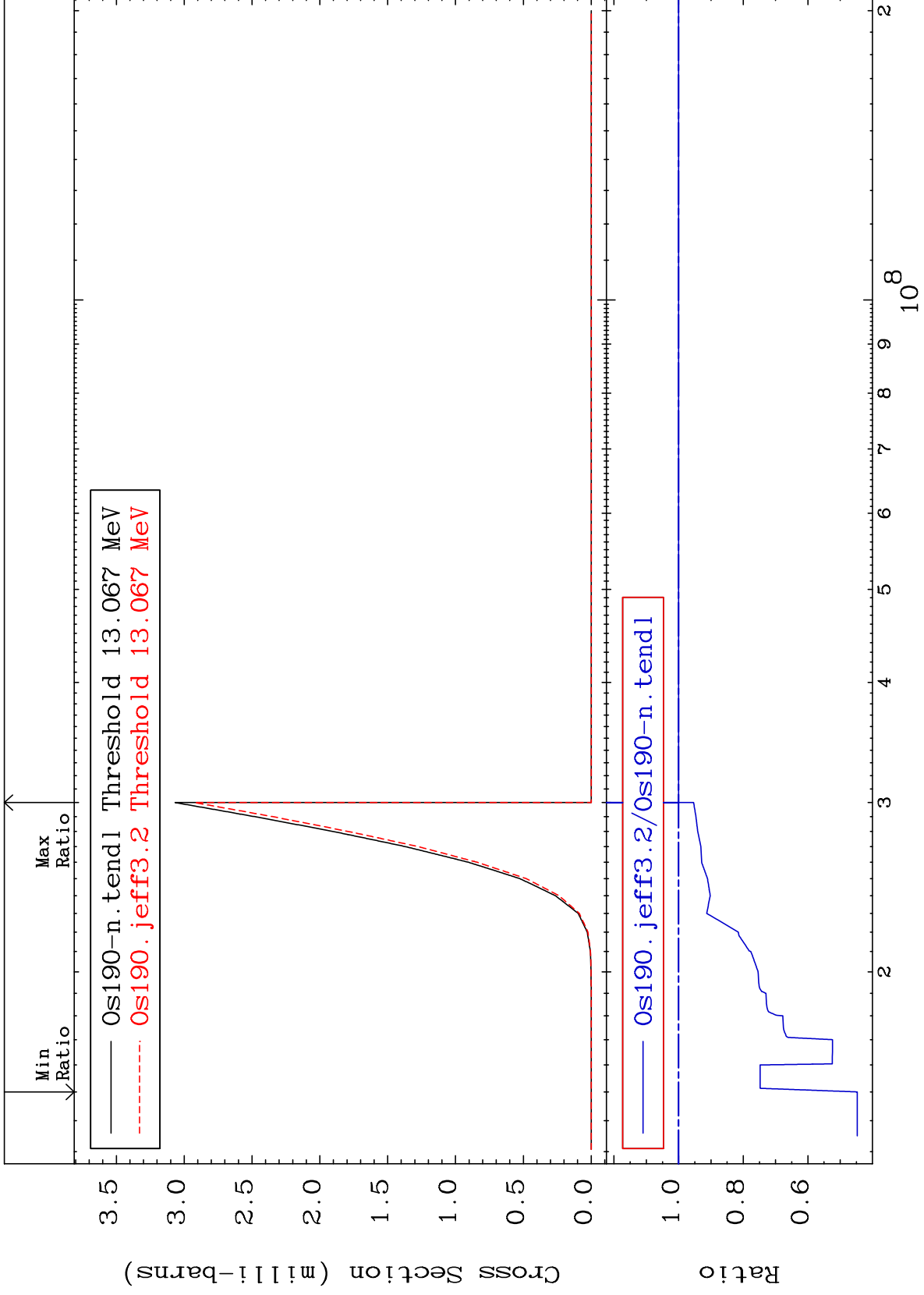
MAT 7643

(n, n') d: 75-Re-188m7

76-0s-190

Radionuclide Production Cross Section

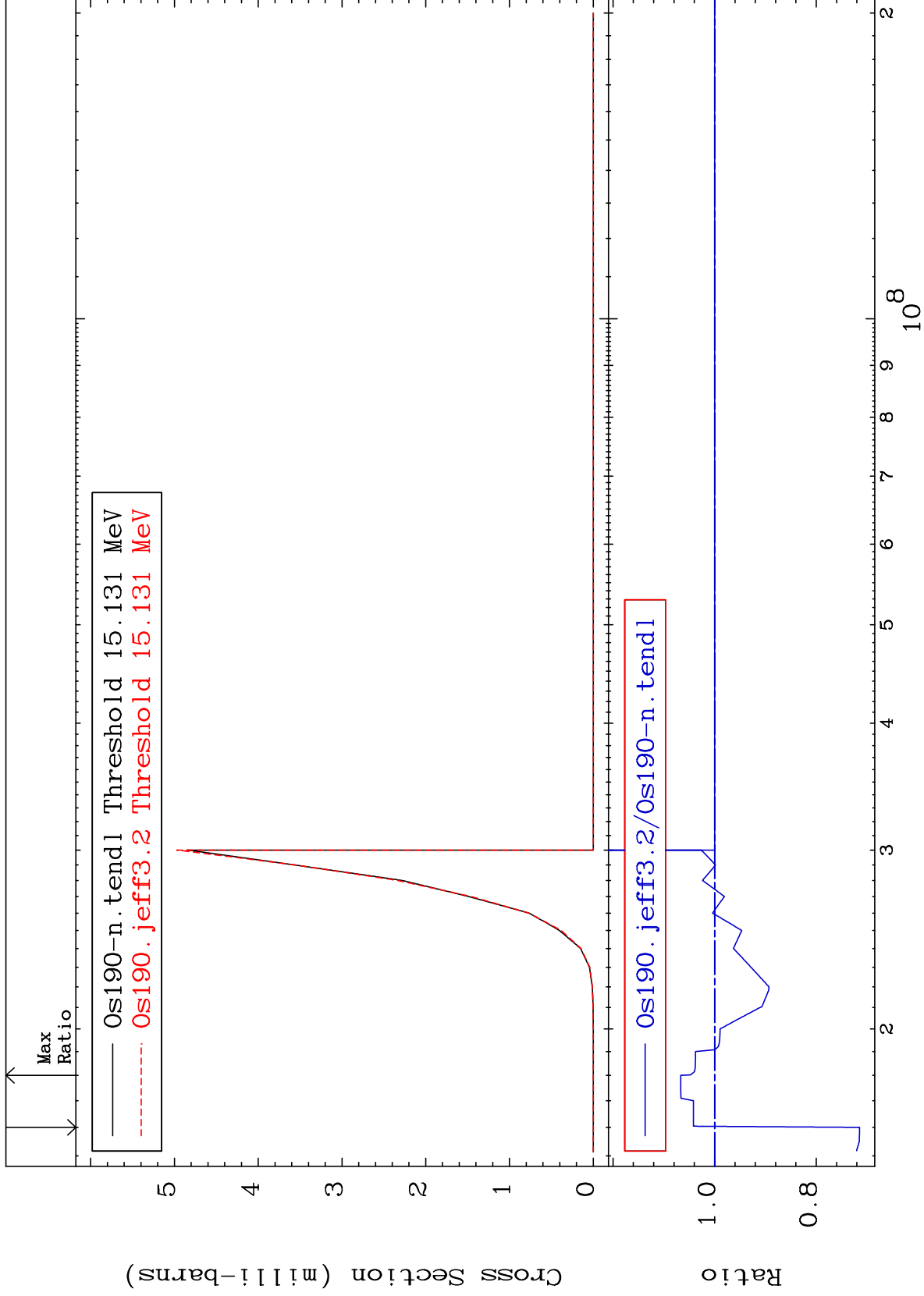
-55.27 To 0.000 %



80

Incident Energy (eV)

76-0s-190



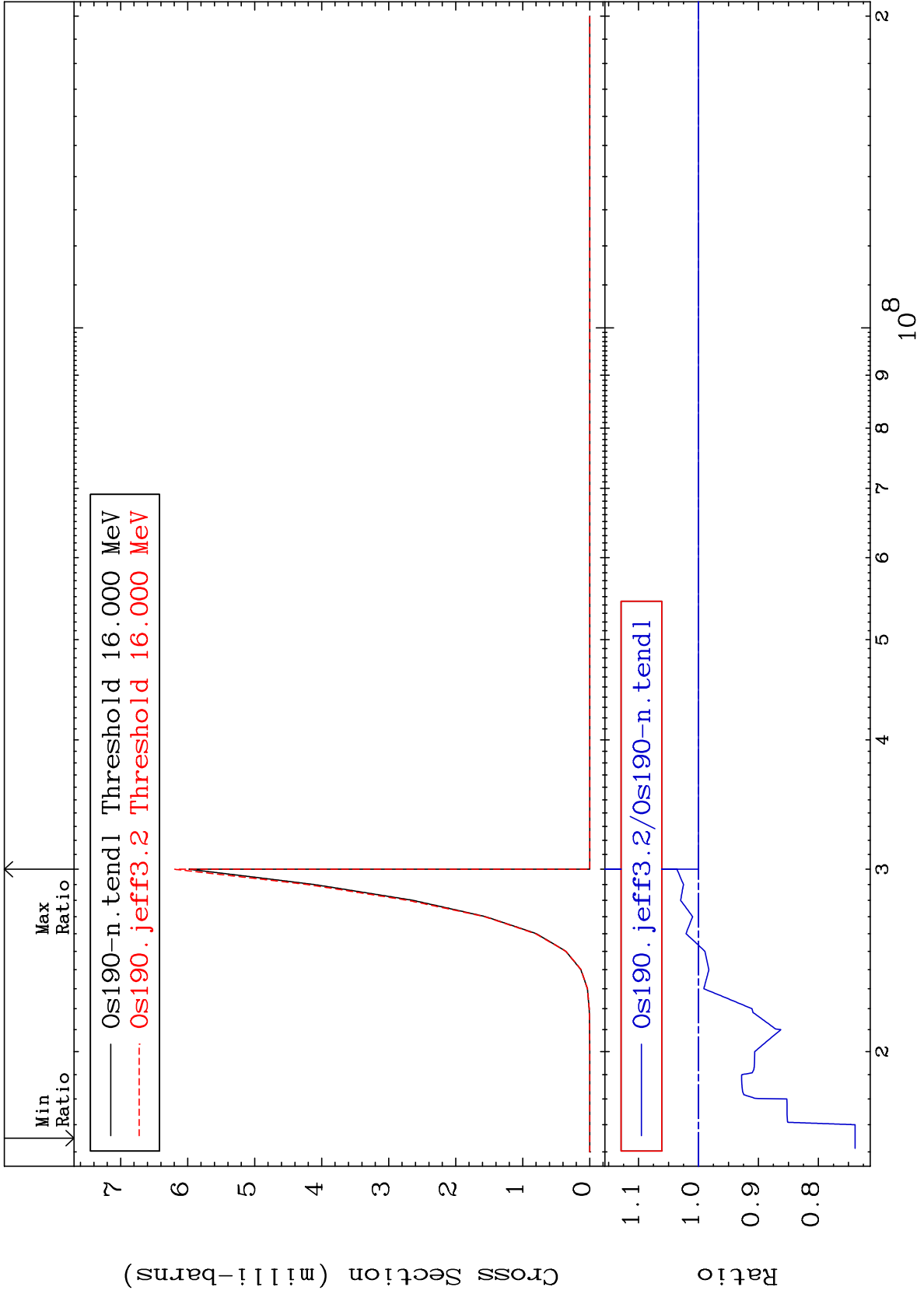
MAT 7643

(n,2n) p: 75-Re-188m7

76-0s-190

Radionuclide Production Cross Section

-26.12 To 3.597 %



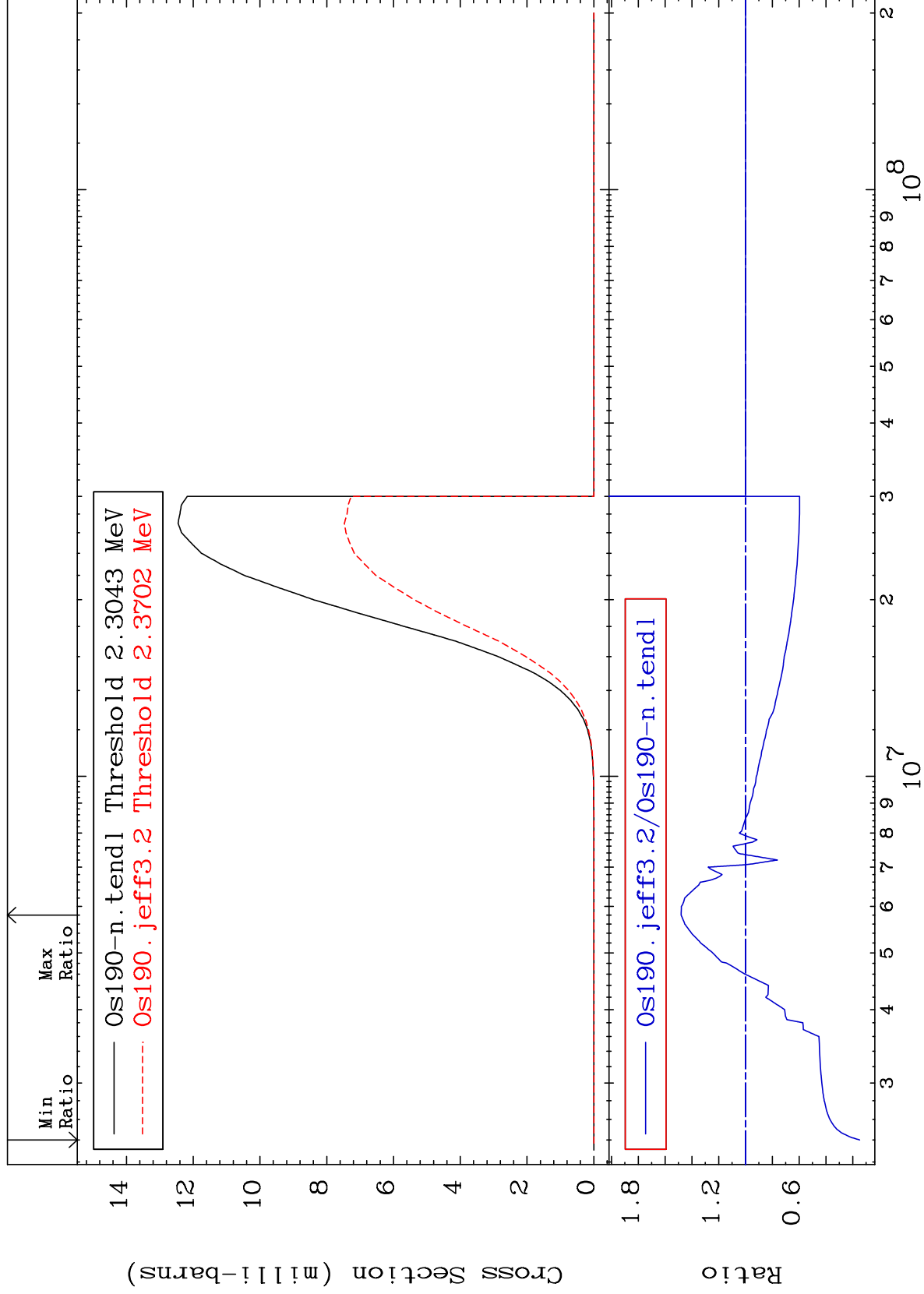
MAT 7643

(n, p) : 75-Re-190g

76-0s-190

Radionuclide Production Cross Section

-85.17 To 48.00 %

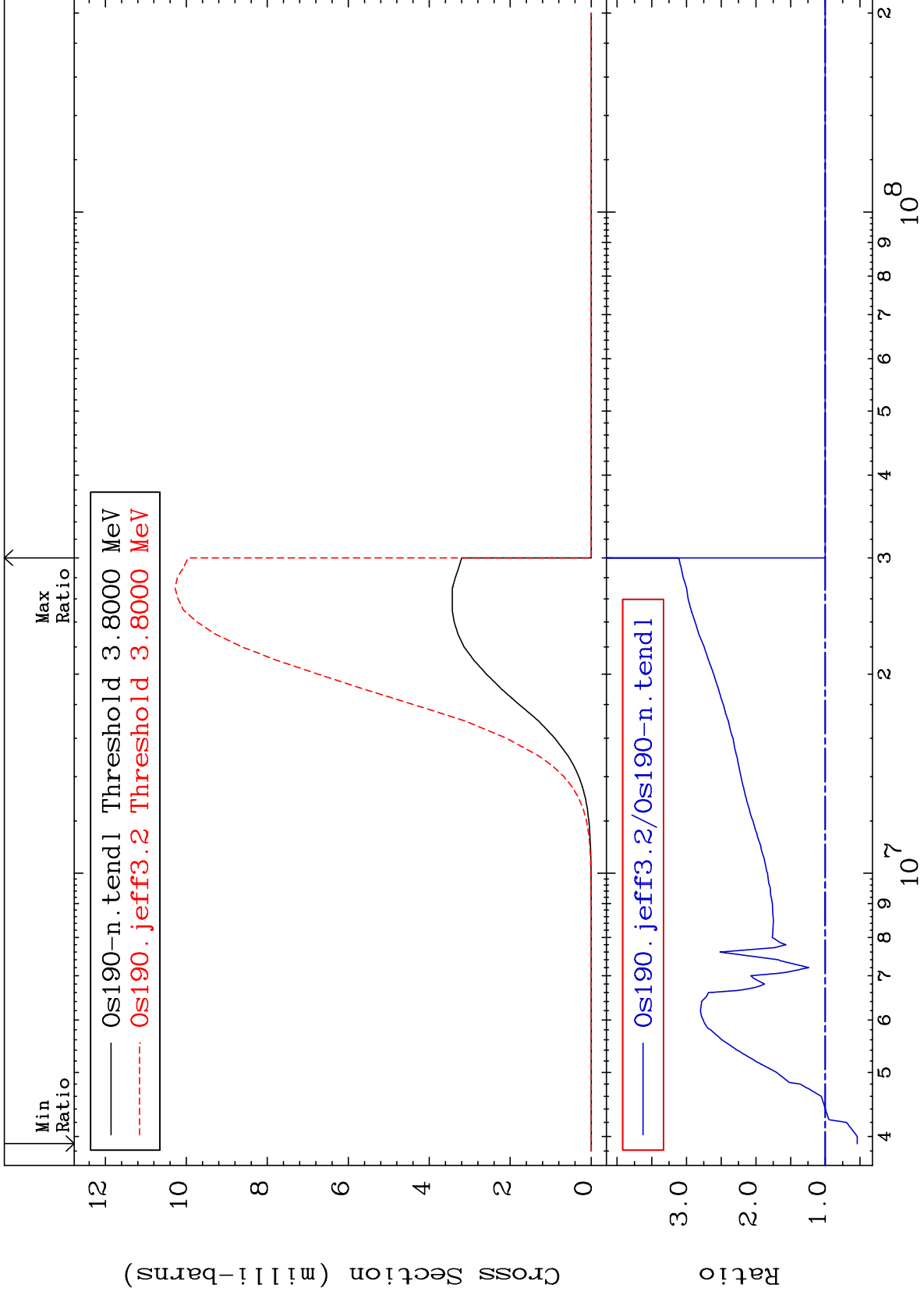


MAT 7643

(n, p) : 75-Re-190m3

76-0s-190

Radionuclide Production Cross Section -46.04 To 211.3 %



84

Incident Energy (eV)

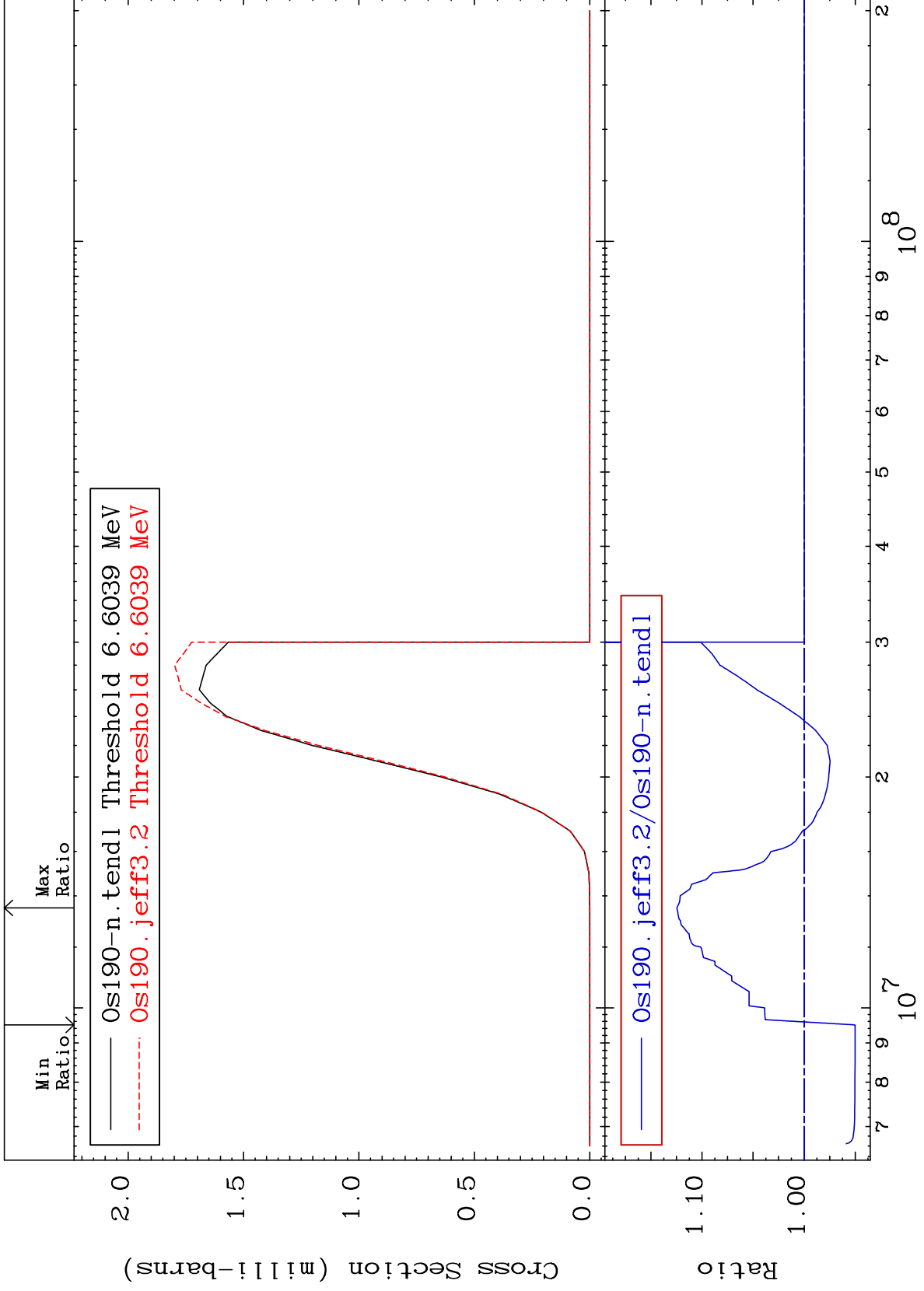
76-0s-190

MAT 7643

(n, t) : 75-Re-188g

76-0s-190

Radionuclide Production Cross Section -4.986 To 12.46 %



85

Incident Energy (eV)

76-0s-190

MAT 7643

(n, t) : 75-Re-188m7

76-0s-190

Radionuclide Production Cross Section 0.000 To 45.55 %

