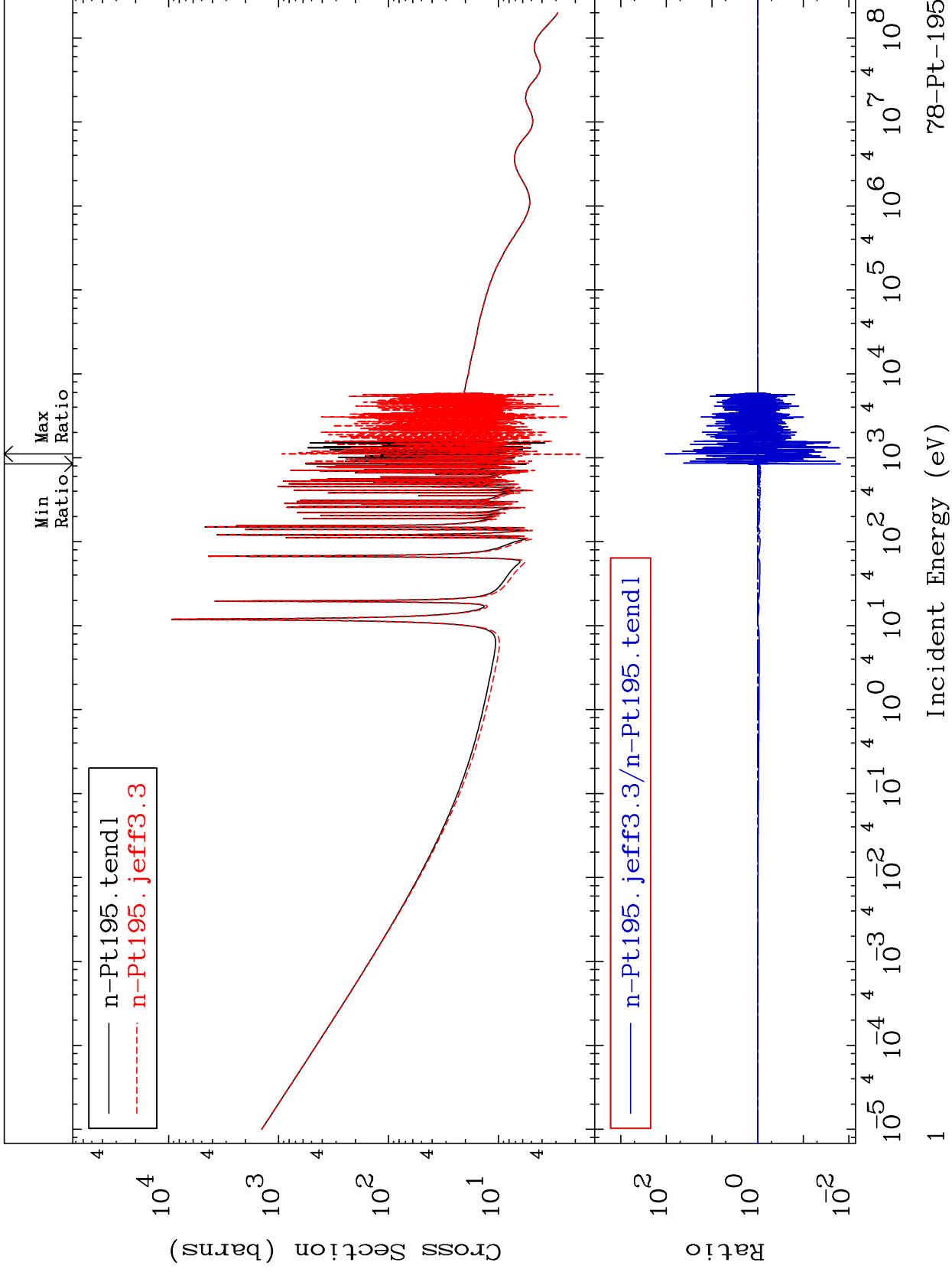


MAT 7840

Total
Cross Section

78-Pt-195
-98.49 To 9999. %



Incident Energy (eV)

78-Pt-195

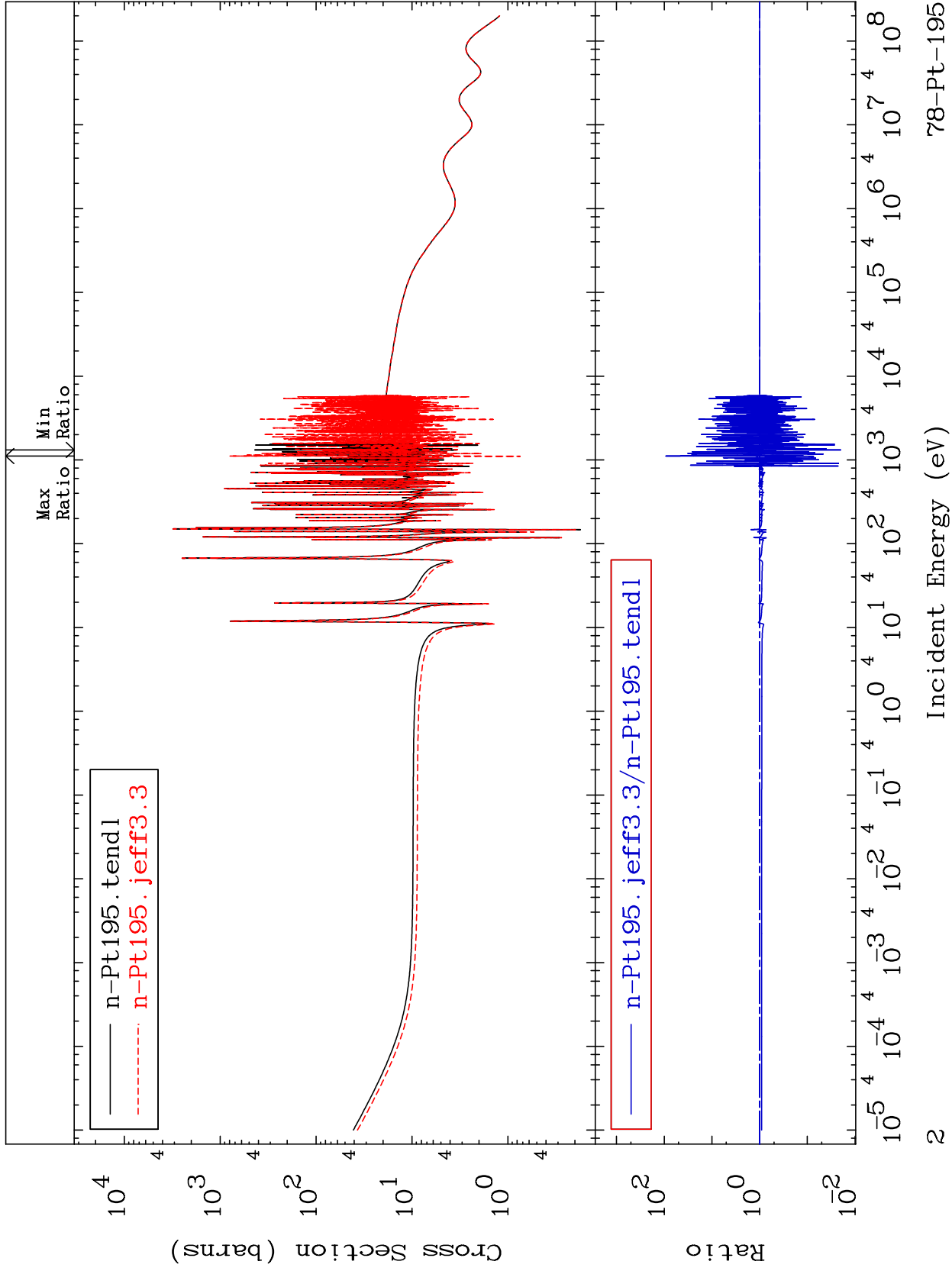
MAT 7840

Elastic

Cross Section

78-Pt-195

-98.02 To 9094. %



2

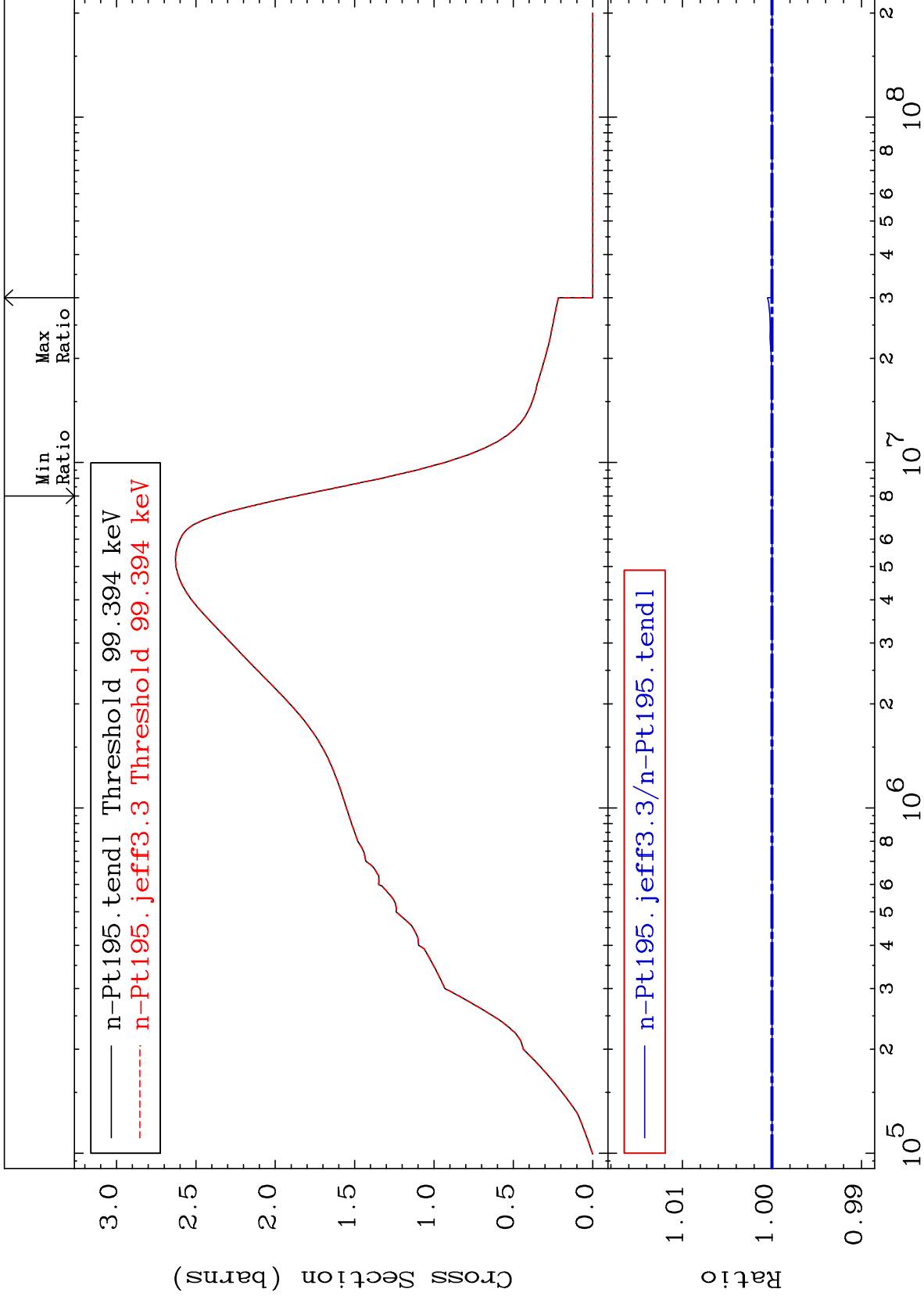
Incident Energy (eV)

78-Pt-195

MAT 7840

Inelastic
Cross Section

78-Pt-195
-0.003 To 0.050 %



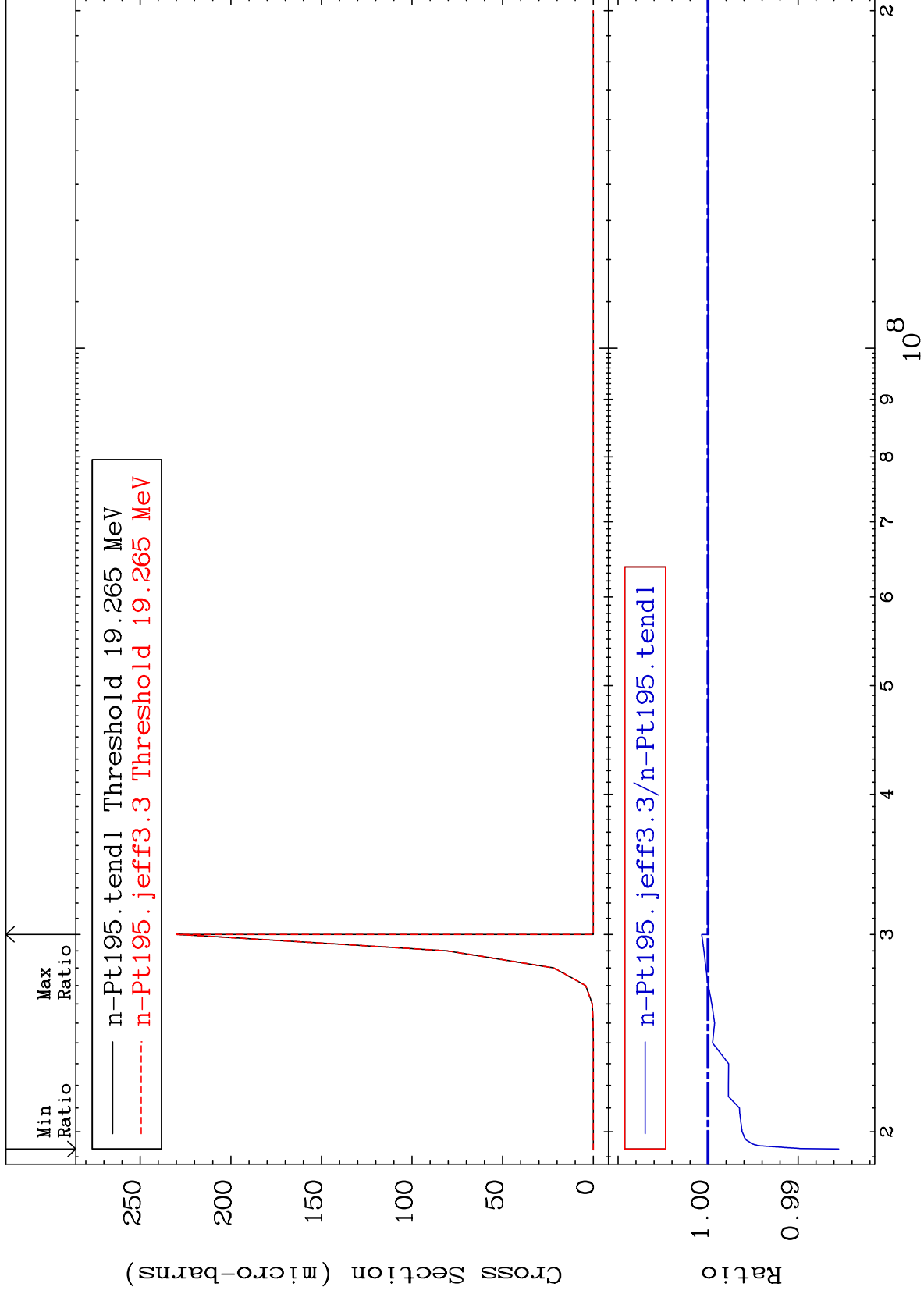
Incident Energy (eV)

78-Pt-195

MAT 7840

(n,2n) d
Cross Section

78-Pt-195
-1.451 To 0.071 %



4

Incident Energy (eV)

78-Pt-195

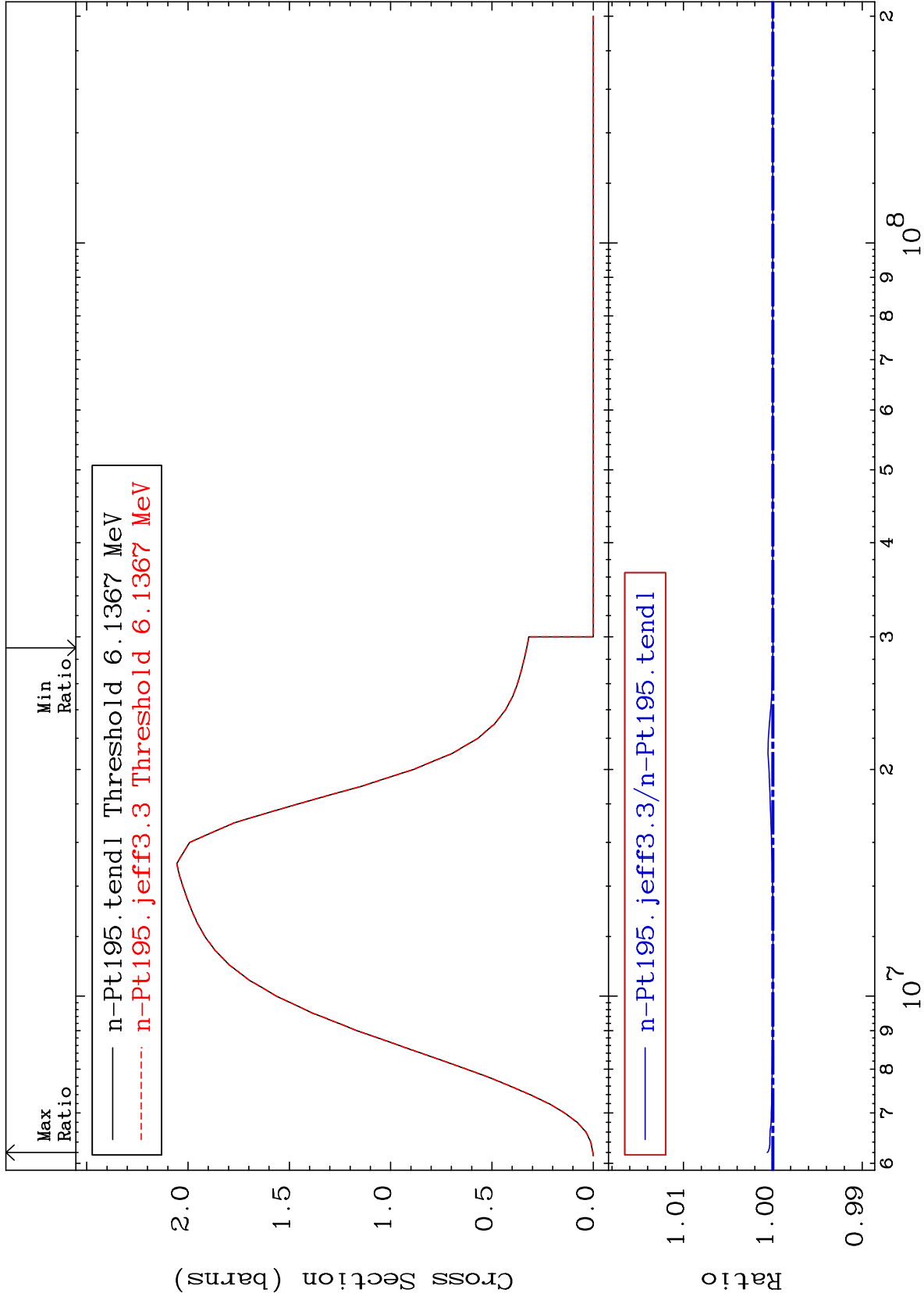
MAT 7840

(n,2n)

78-Pt-195

Cross Section

-0.004 To 0.063 %



Incident Energy (eV)

78-Pt-195

5

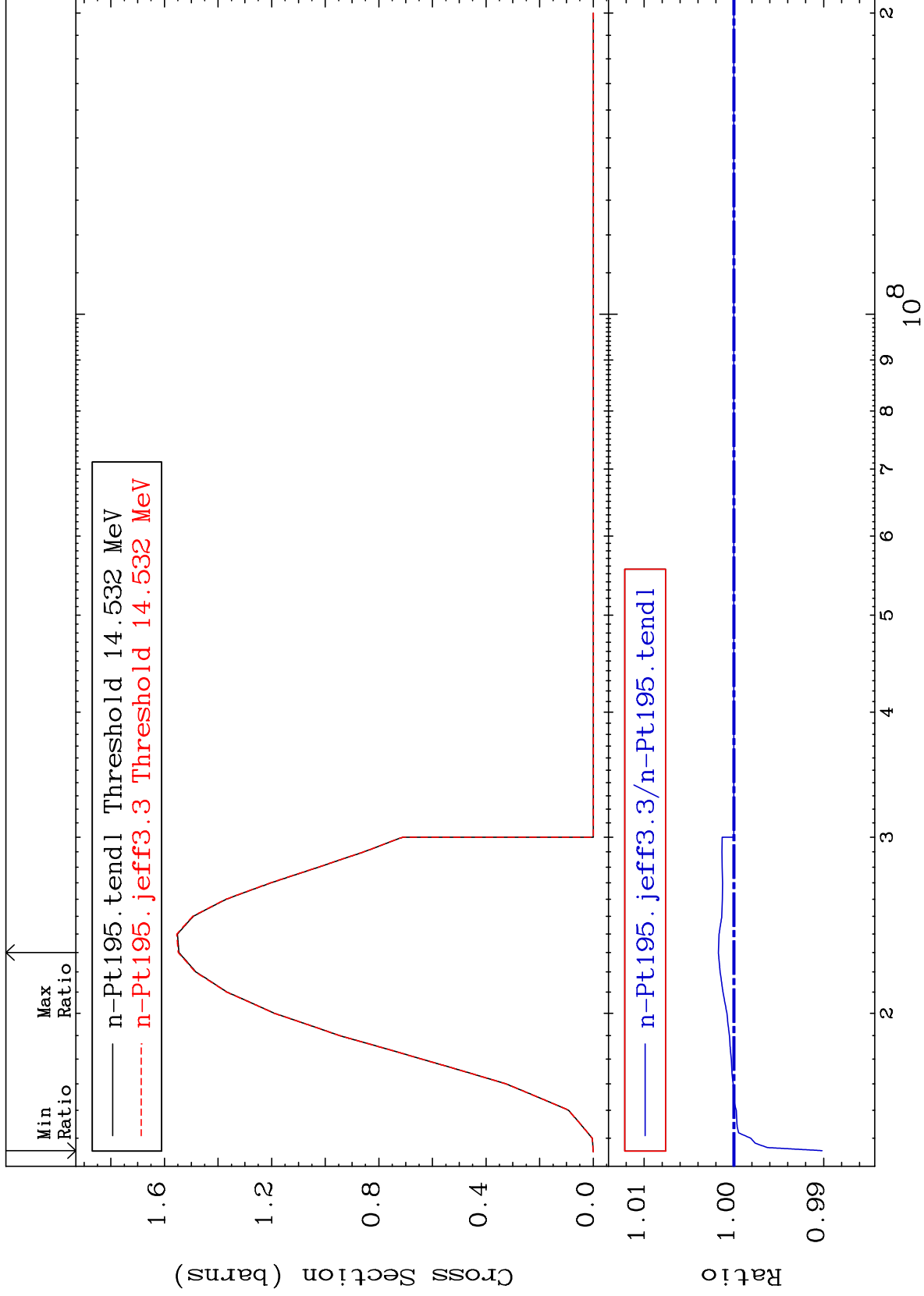
MAT 7840

(n, 3n)

78-Pt-195

Cross Section

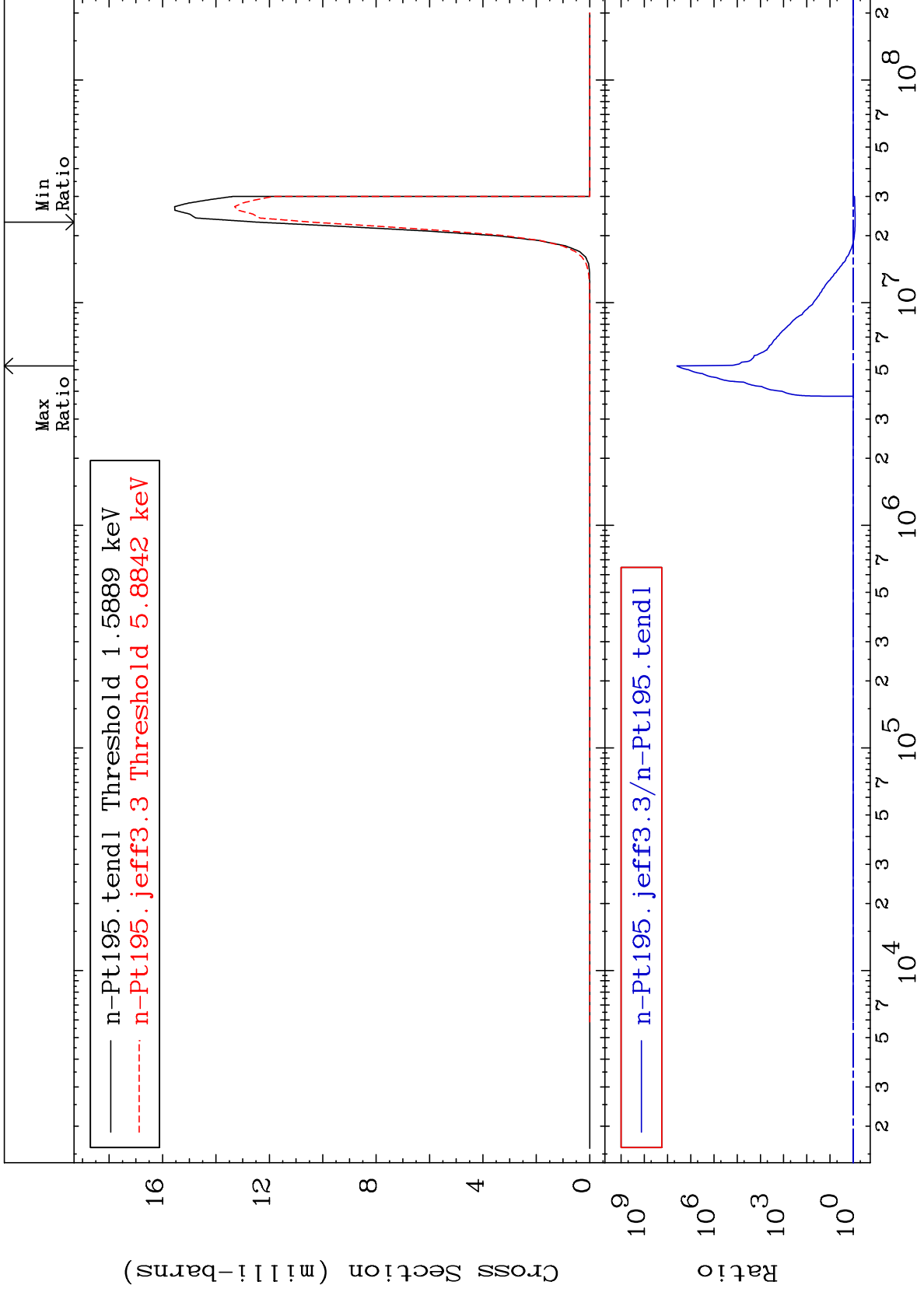
-0.981 To 0.173 %



MAT 7840

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

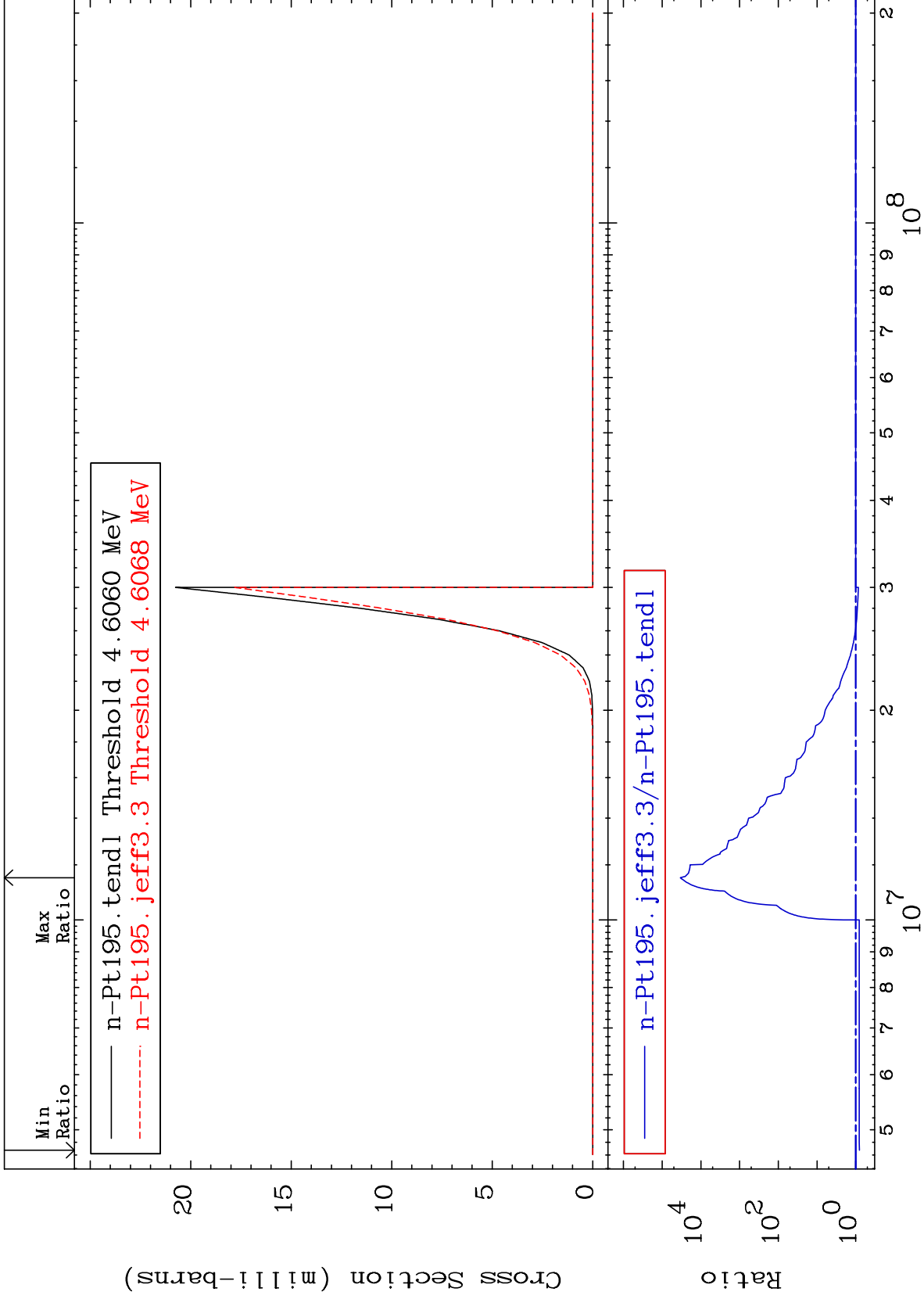
78-Pt-195
-16.35 To 9999. %



MAT 7840

(n,2n) α
Cross Section

78-Pt-195
-19.64 To 9999. %



MAT 7840

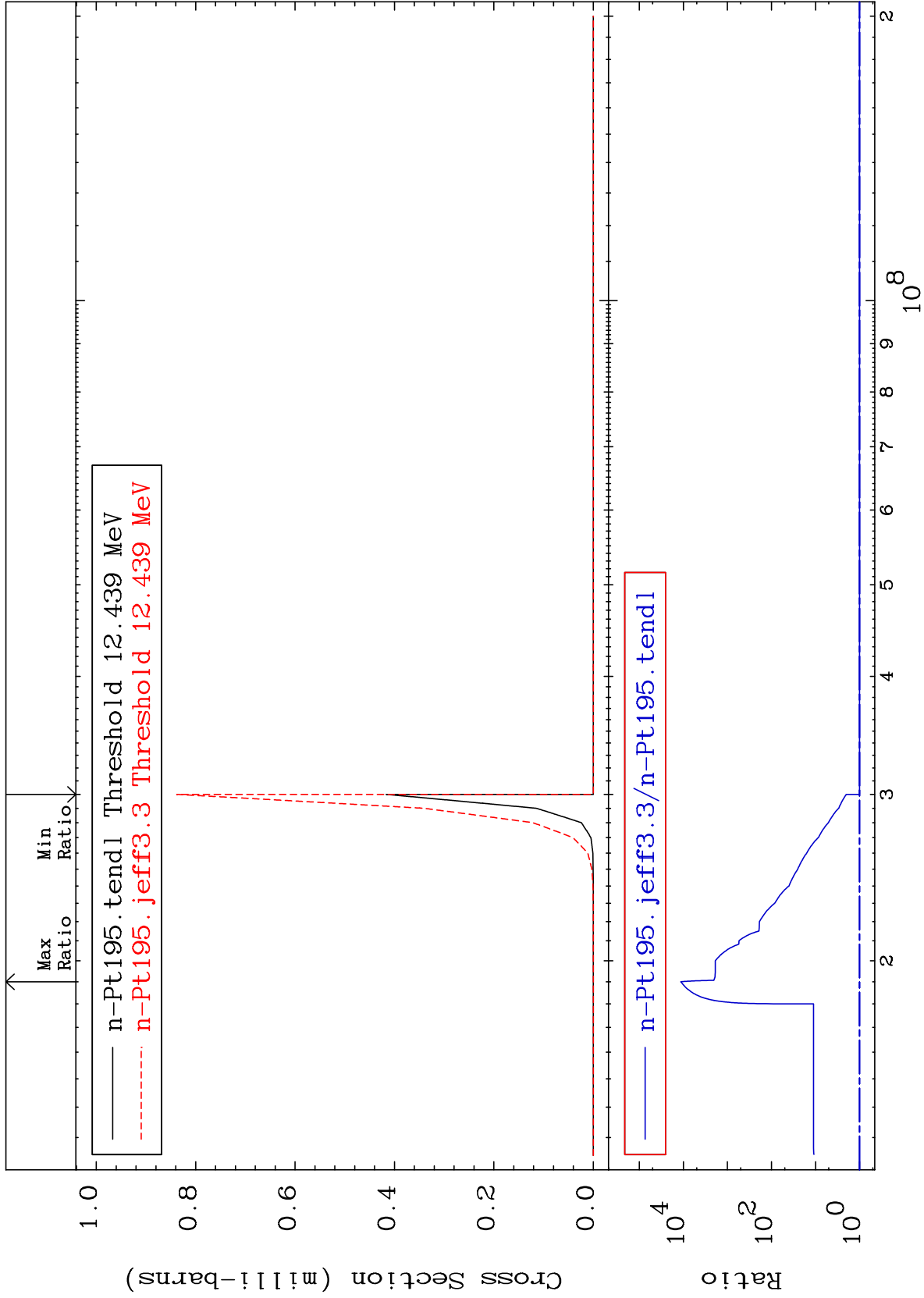
(n,3n) α

78-Pt-195

Cross Section

0.000

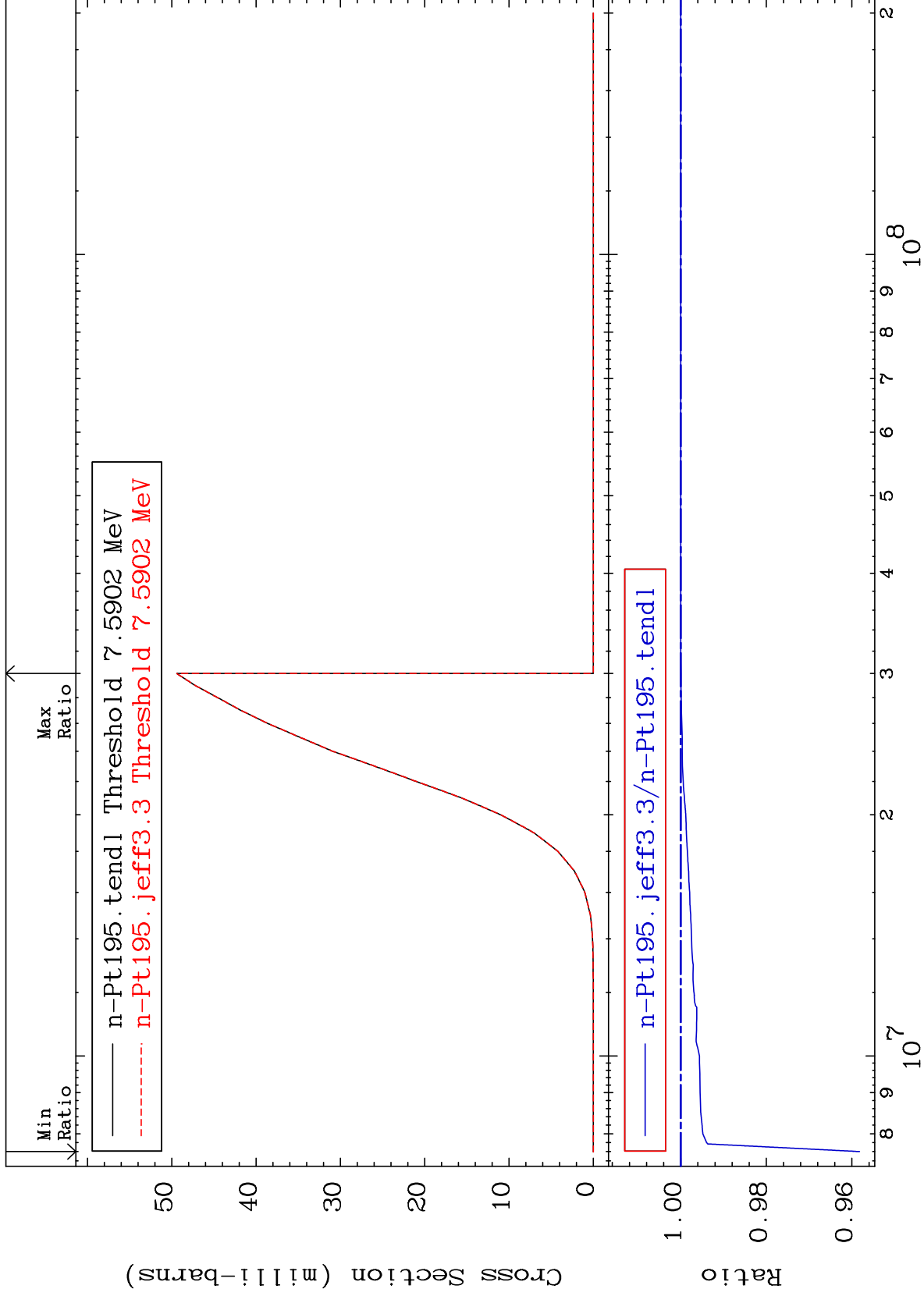
To 9999. %



MAT 7840

(n,n') p
Cross Section

78-Pt-195
-4.178 To 0.000 %



10

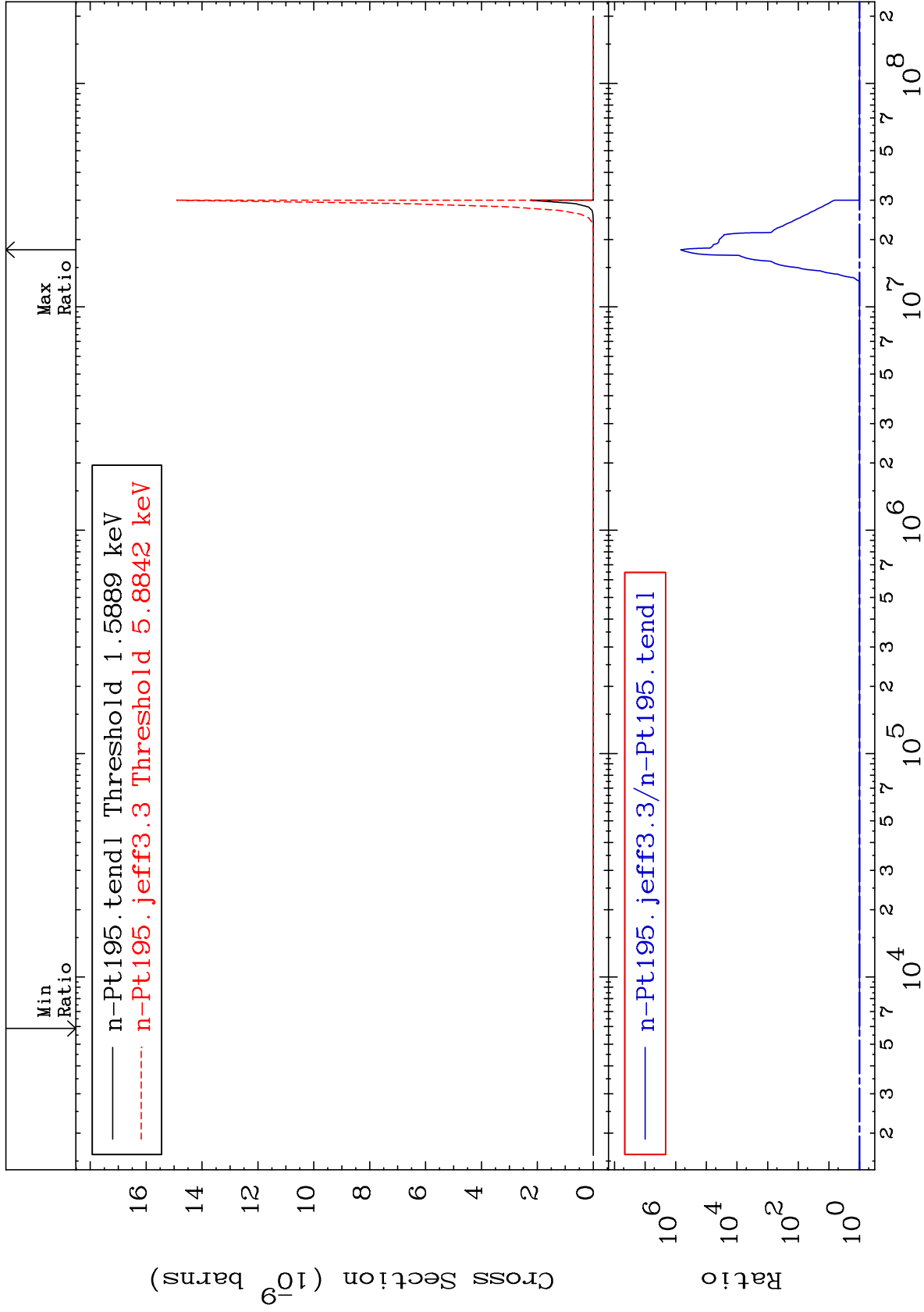
Incident Energy (eV)

78-Pt-195

MAT 7840

(n, n') 2α
Cross Section

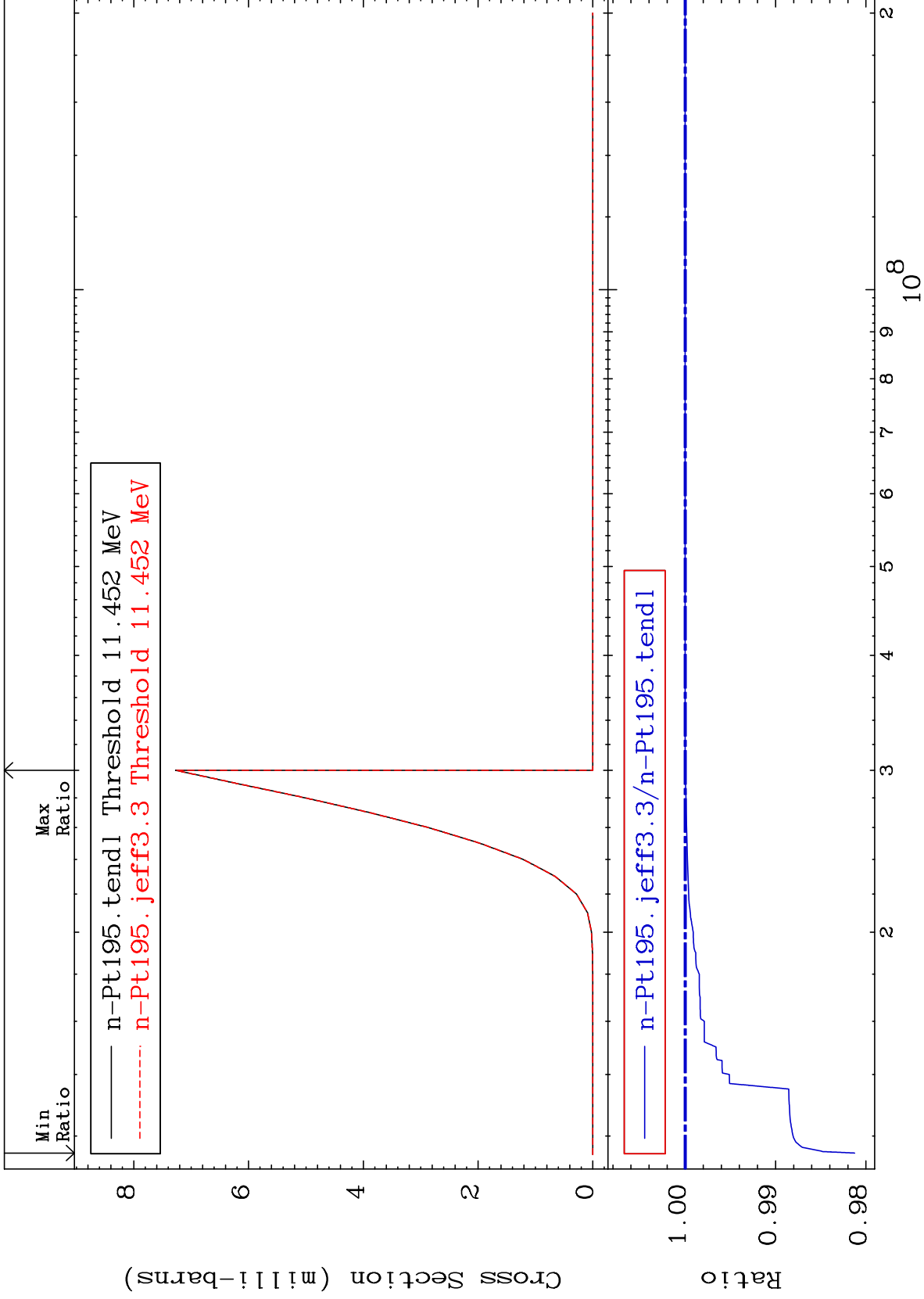
78-Pt-195
To 9999. %



MAT 7840

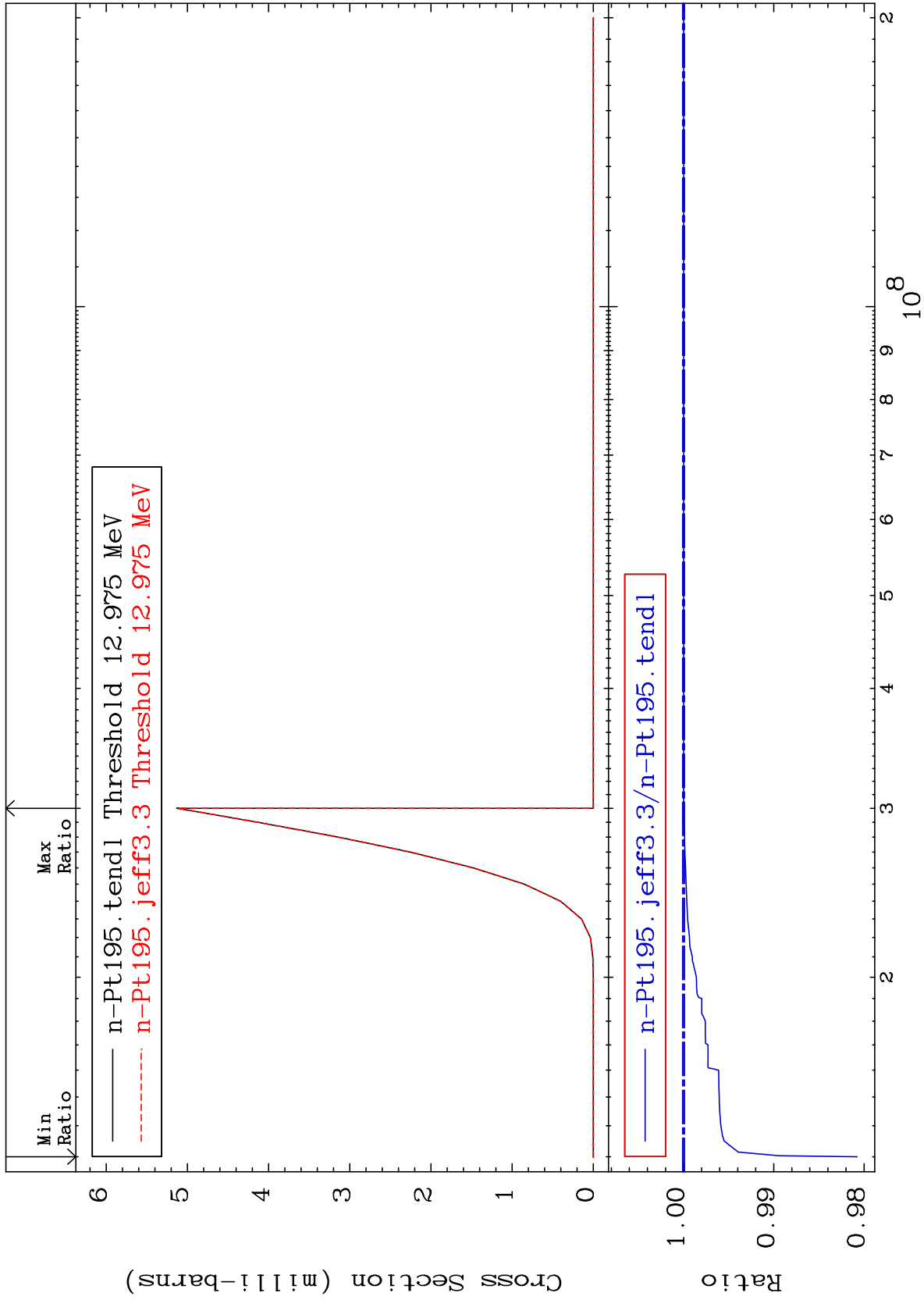
(n,n') d
Cross Section

78-Pt-195
-1.874 To 0.000 %



Cross Section

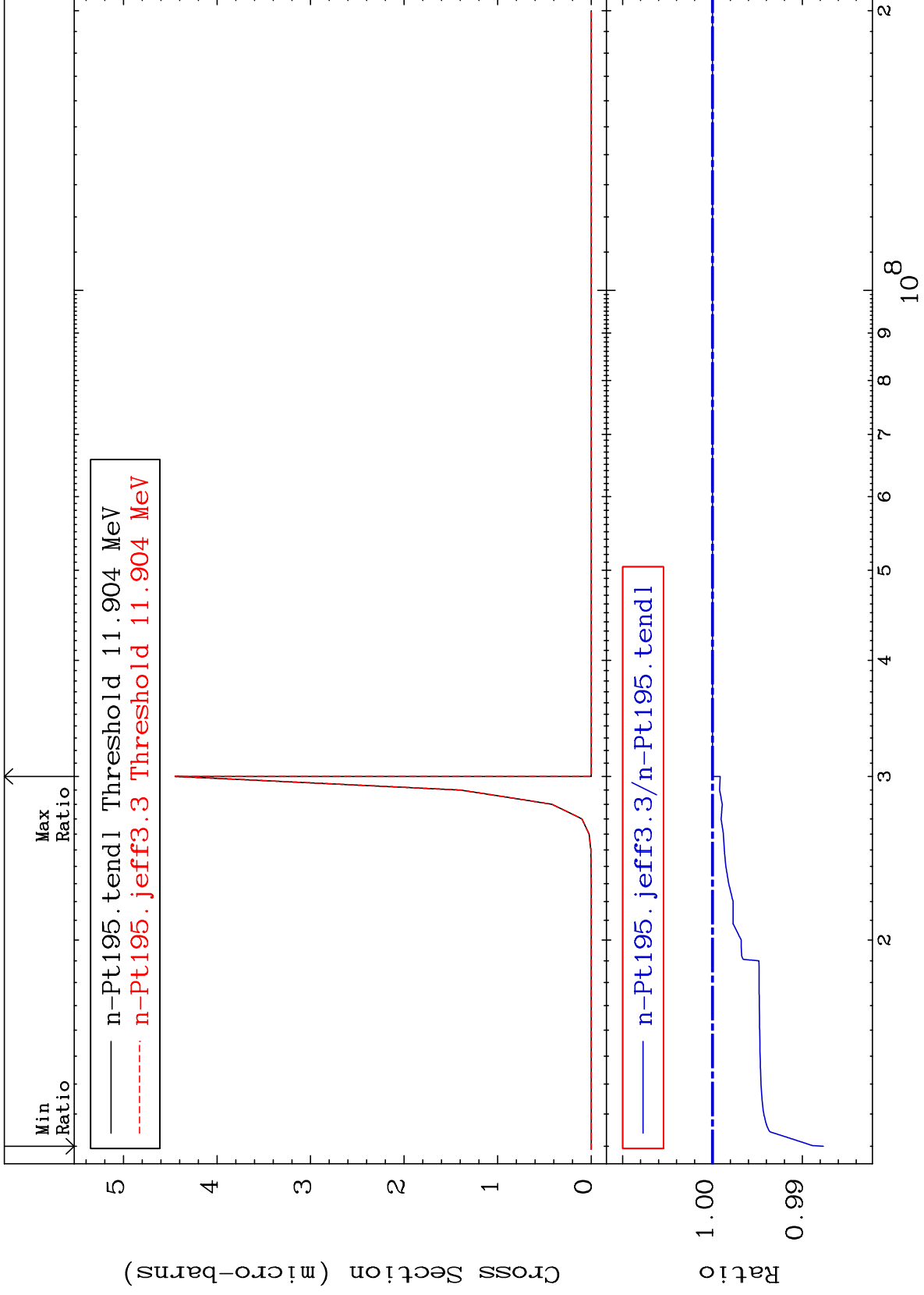
-1.924 To 0.004 %



MAT 7840

(n, n') He-3
Cross Section

78-Pt-195
-1.234 To 0.000 %



MAT 7840

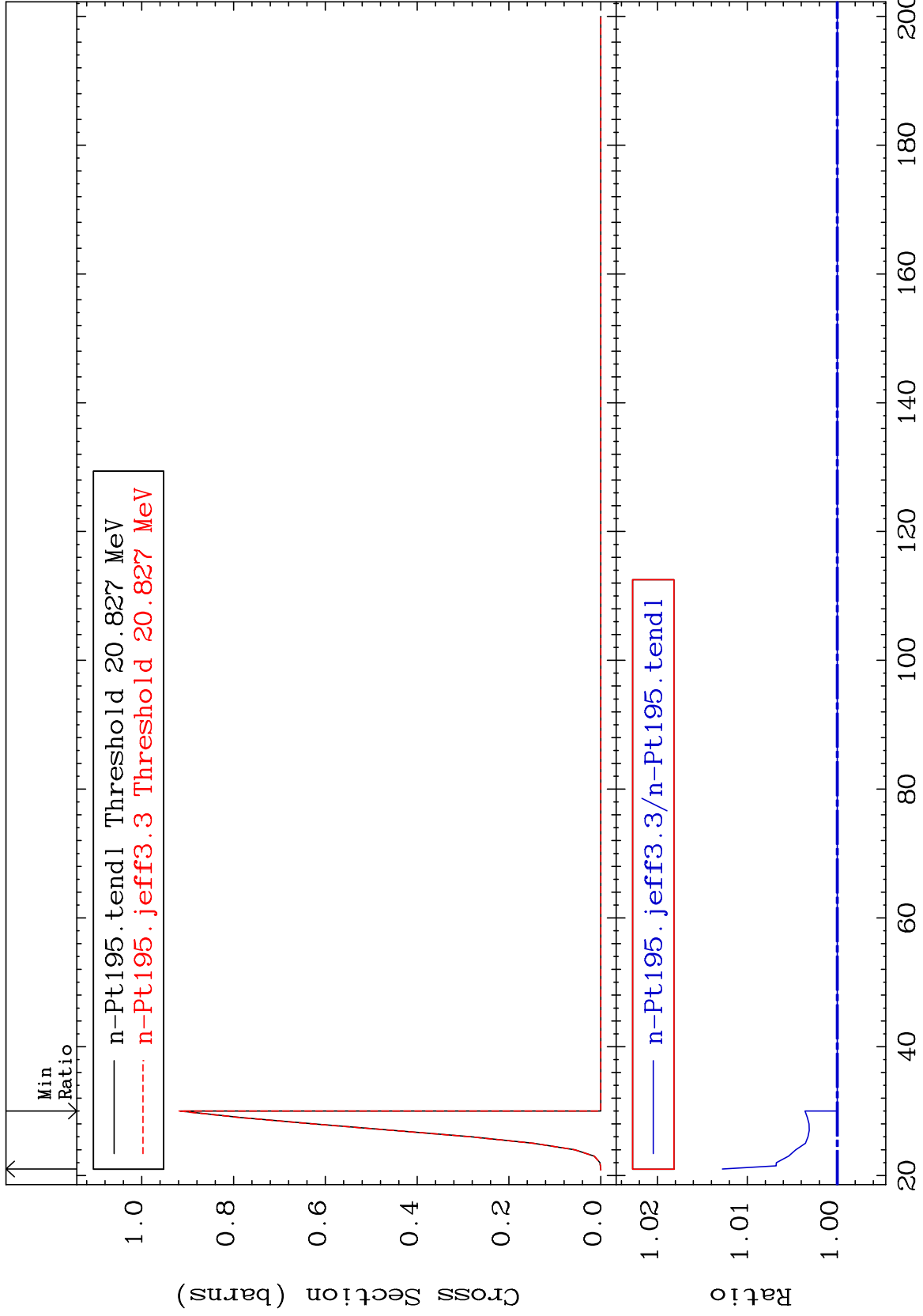
(n,4n)

78-Pt-195

Cross Section

0.000

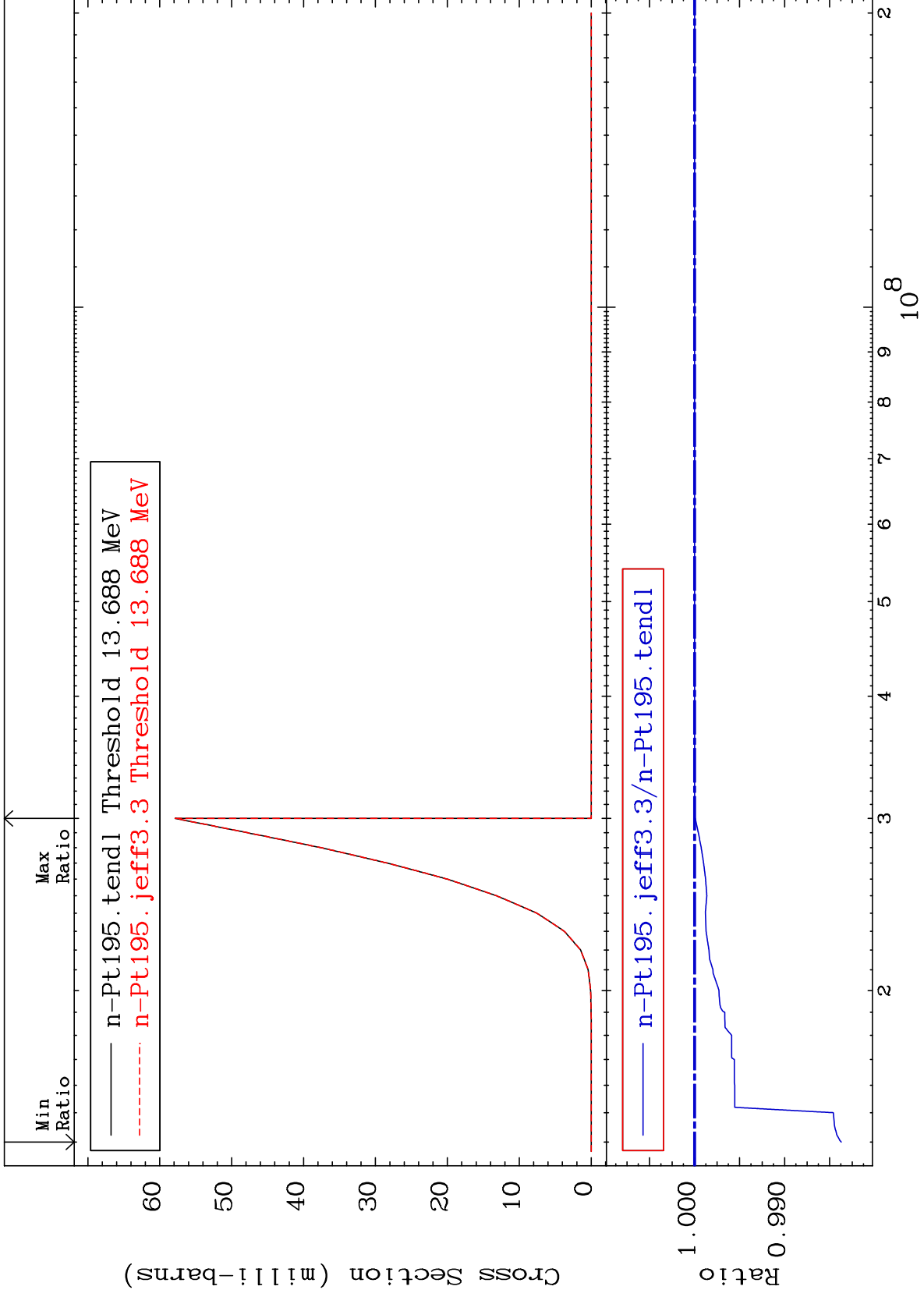
To 1.277 %



15

Incident Energy (MeV)

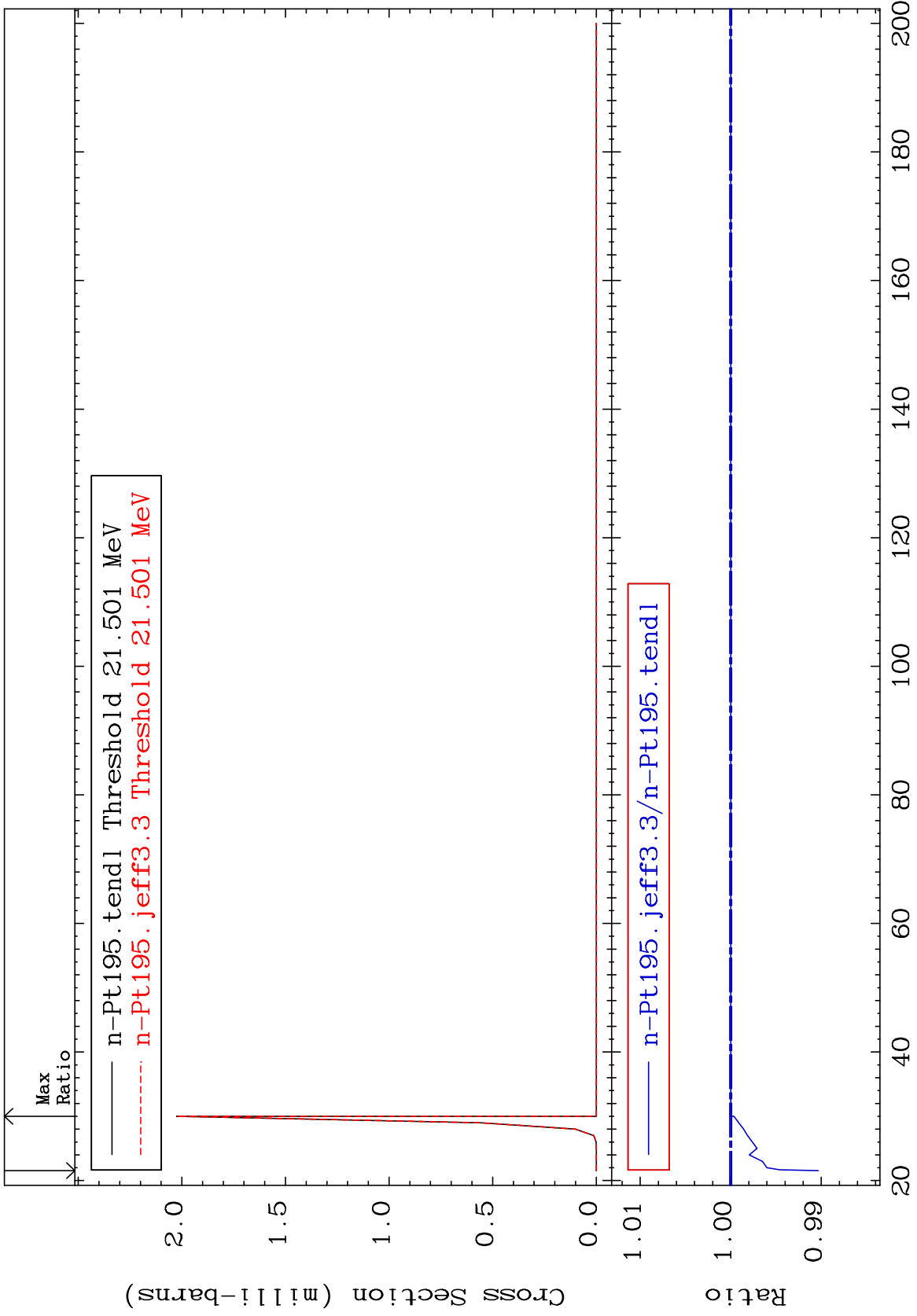
78-Pt-195



MAT 7840

(n,3n) p
Cross Section

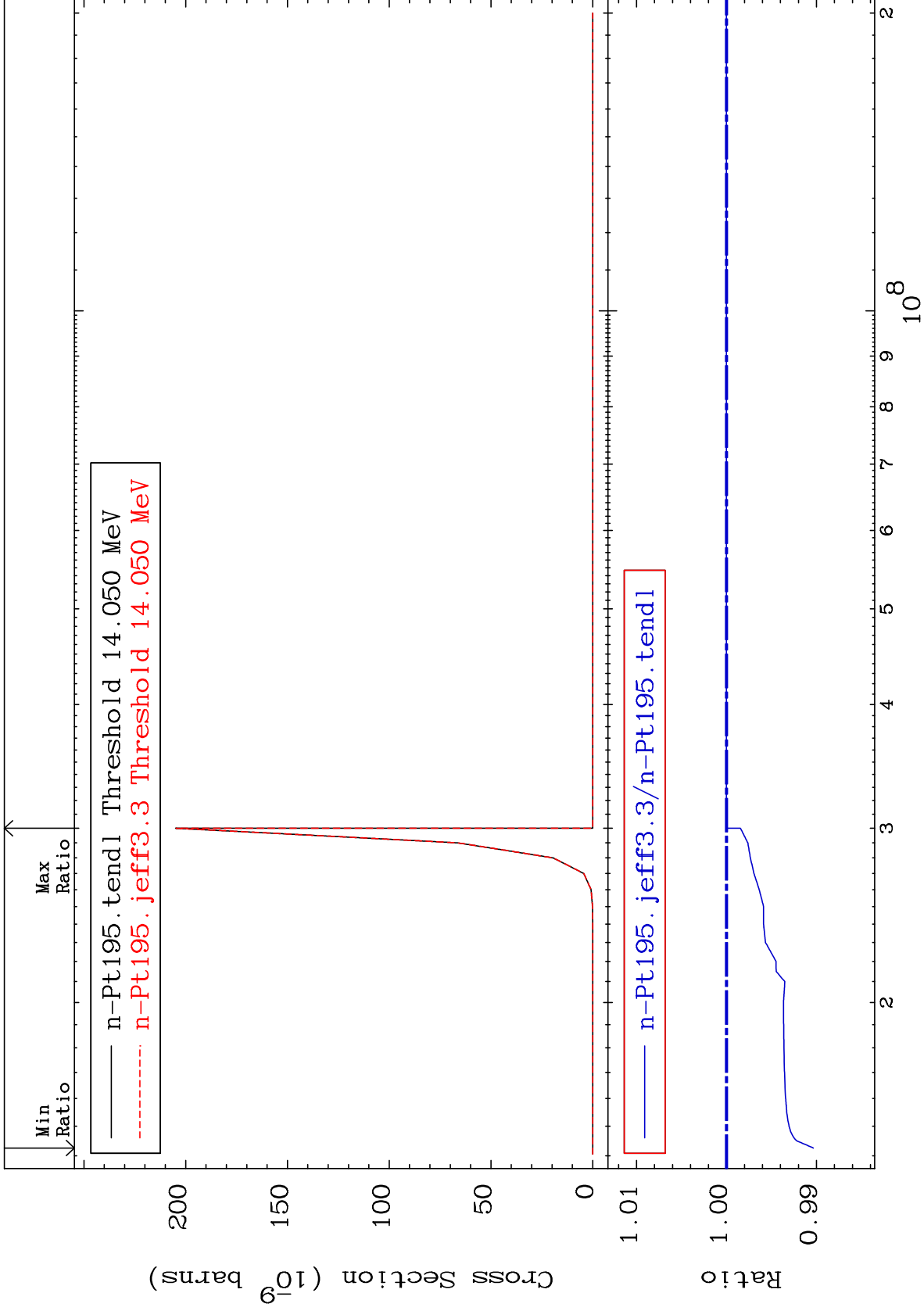
78-Pt-195
-0.968 To 0.000 %



MAT 7840

(n,2n) p
Cross Section

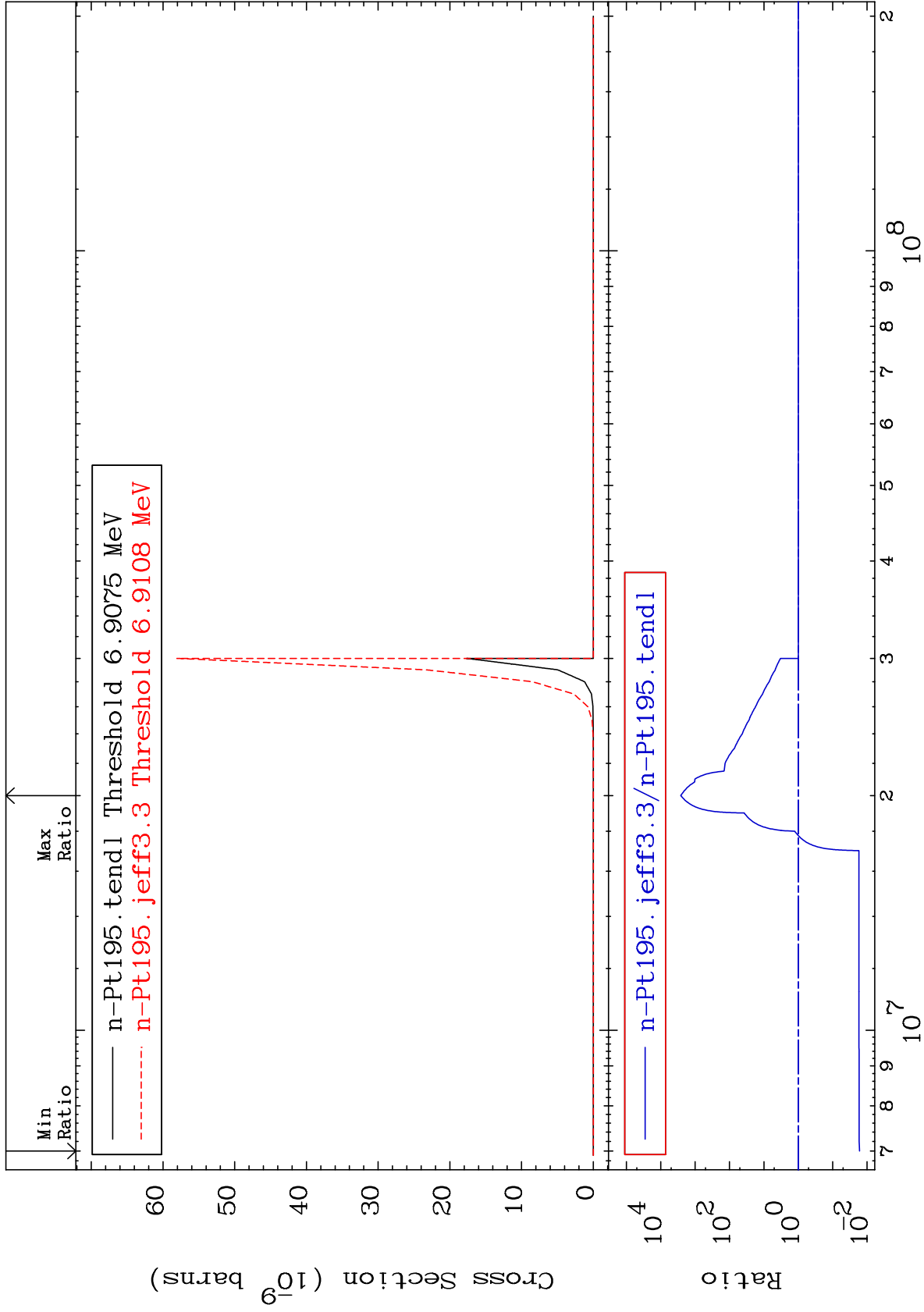
78-Pt-195
-0.965 To 0.000 %



MAT 7840

(n,n') p α
Cross Section

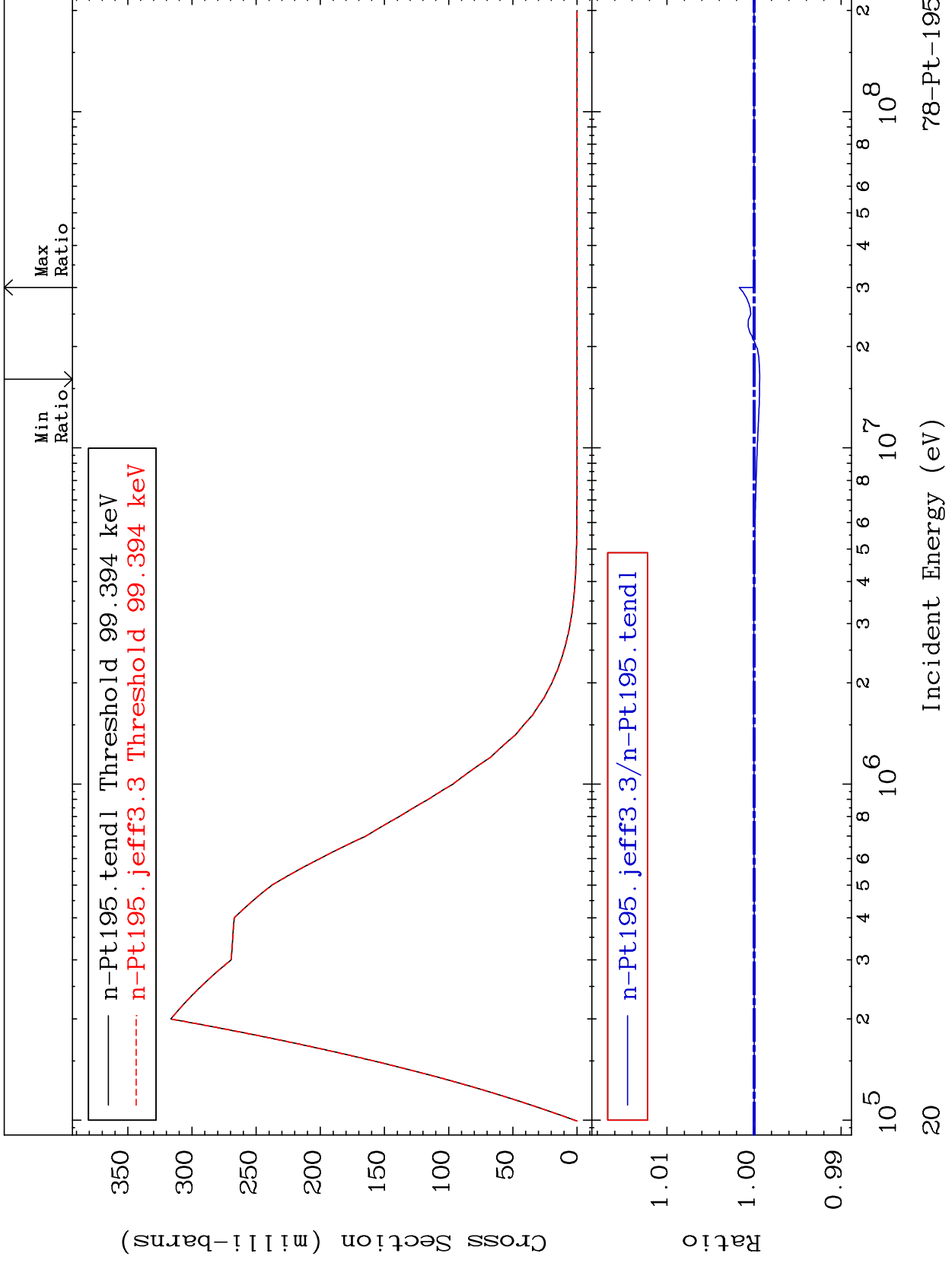
78-Pt-195
-98.35 To 9999. %



MAT 7840

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

78-Pt-195
-0.064 To 0.170 %



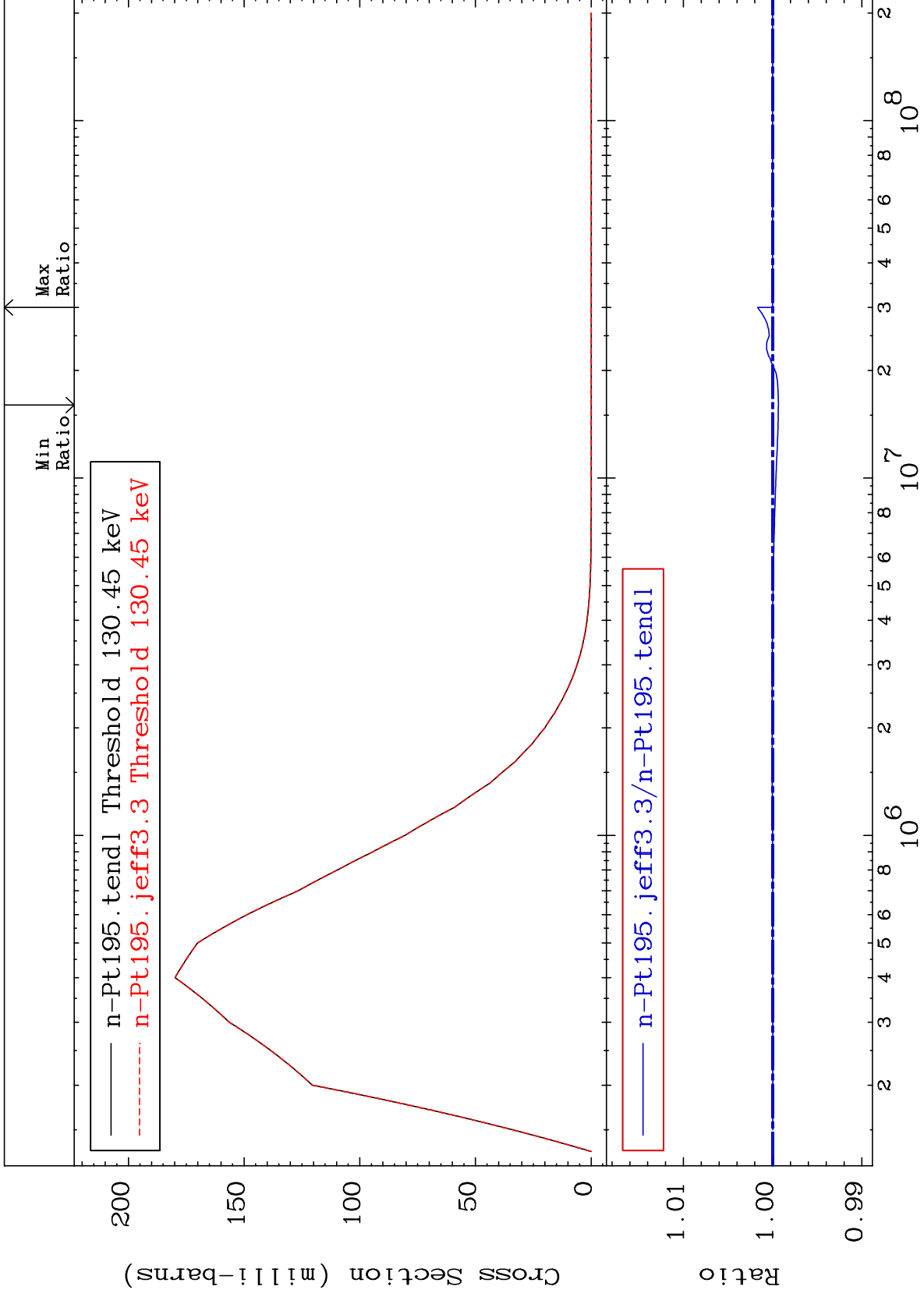
Incident Energy (eV)

78-Pt-195

MAT 7840

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

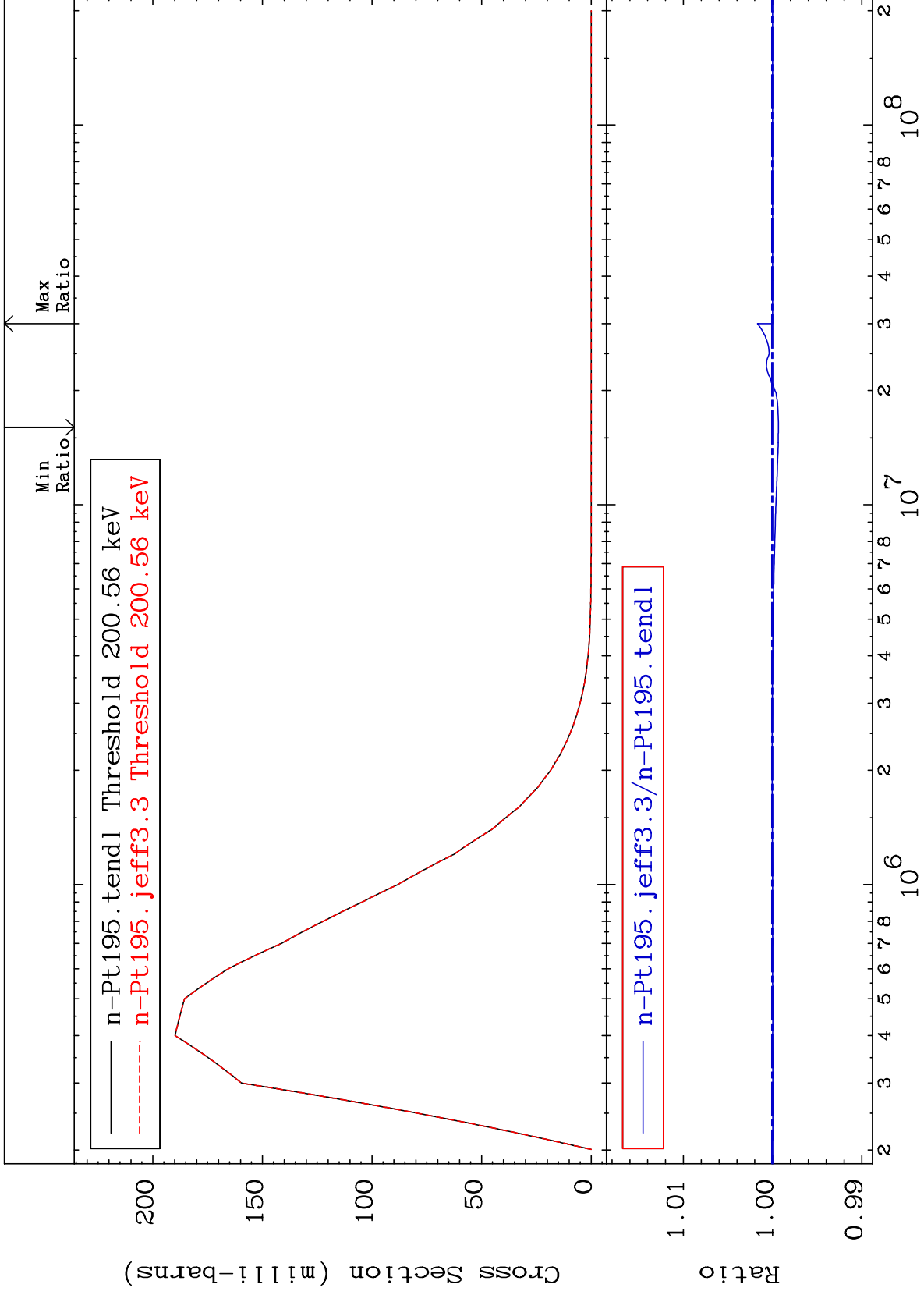
78-Pt-195
-0.064 To 0.169 %



MAT 7840

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

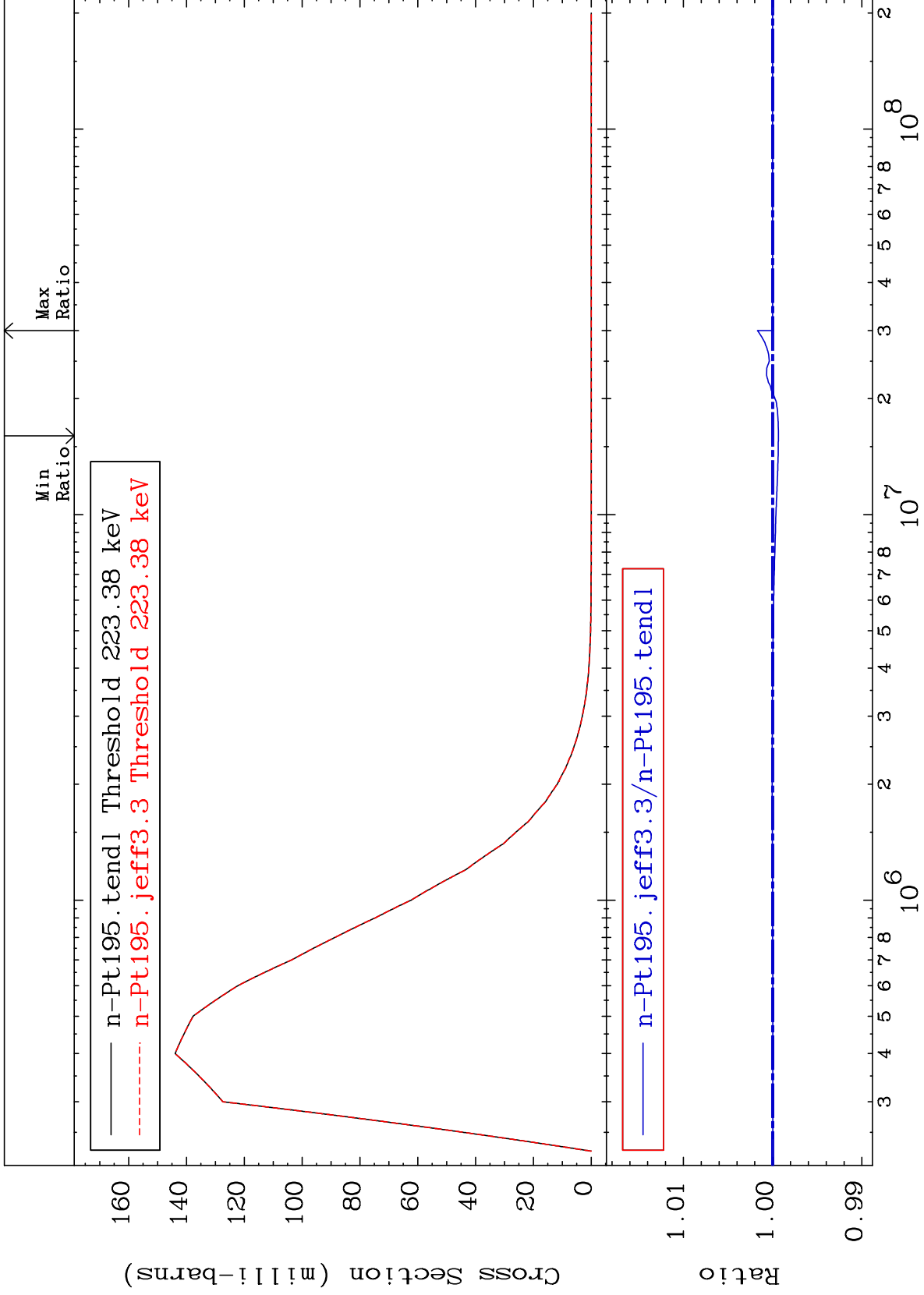
78-Pt-195
-0.064 To 0.170 %



MAT 7840

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

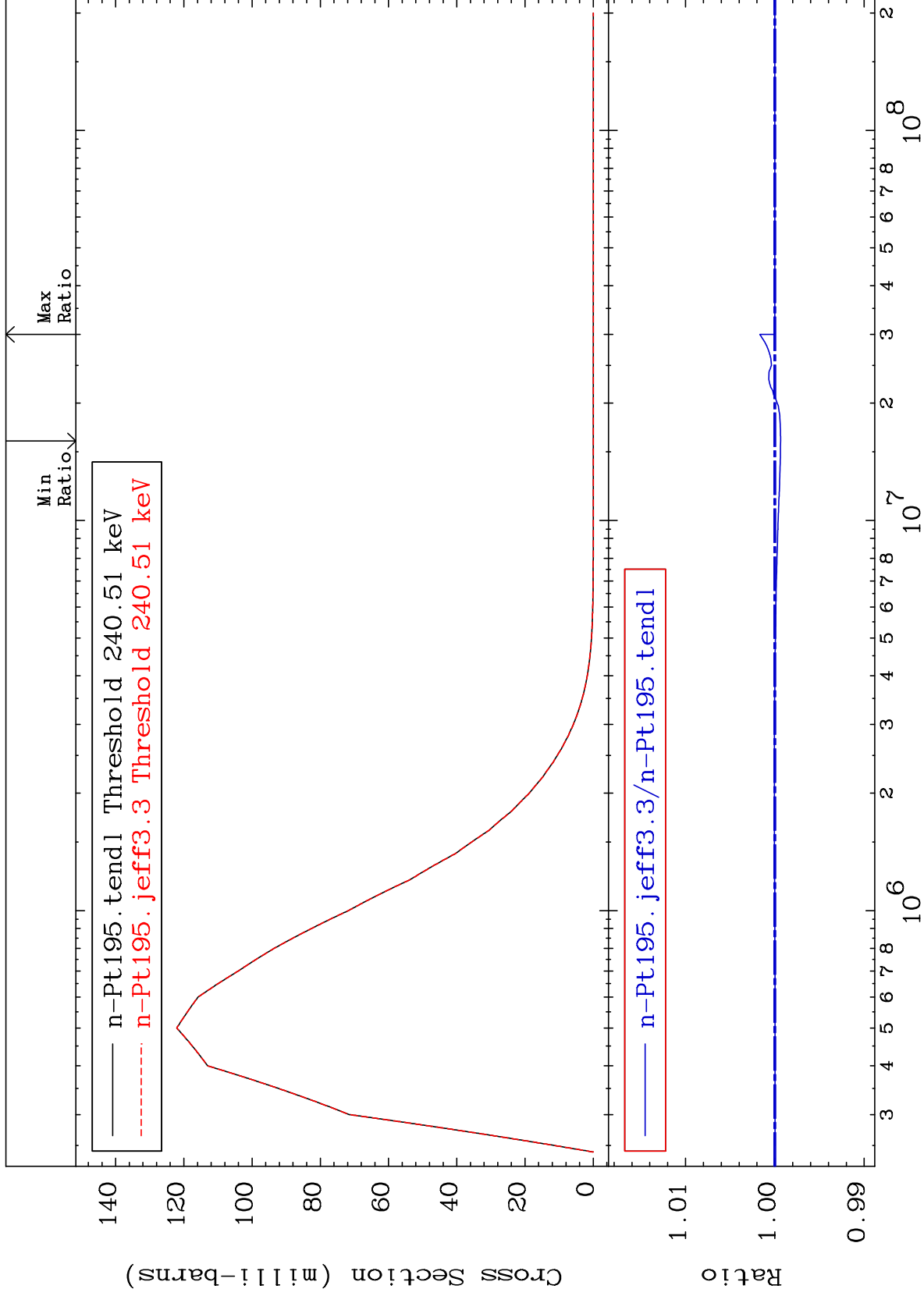
78-Pt-195
-0.064 To 0.170 %



MAT 7840

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

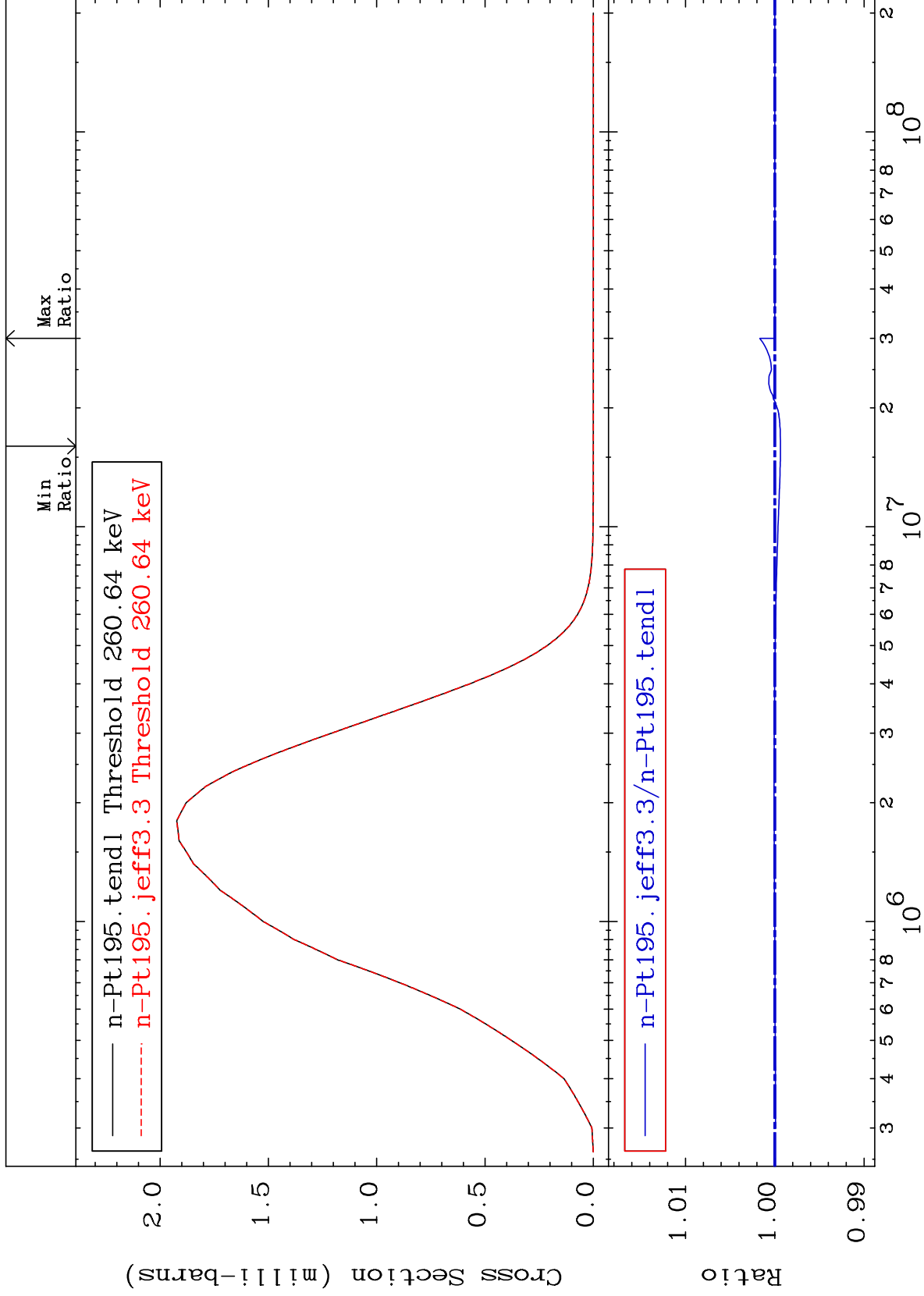
78-Pt-195
-0.064 To 0.169 %



MAT 7840

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

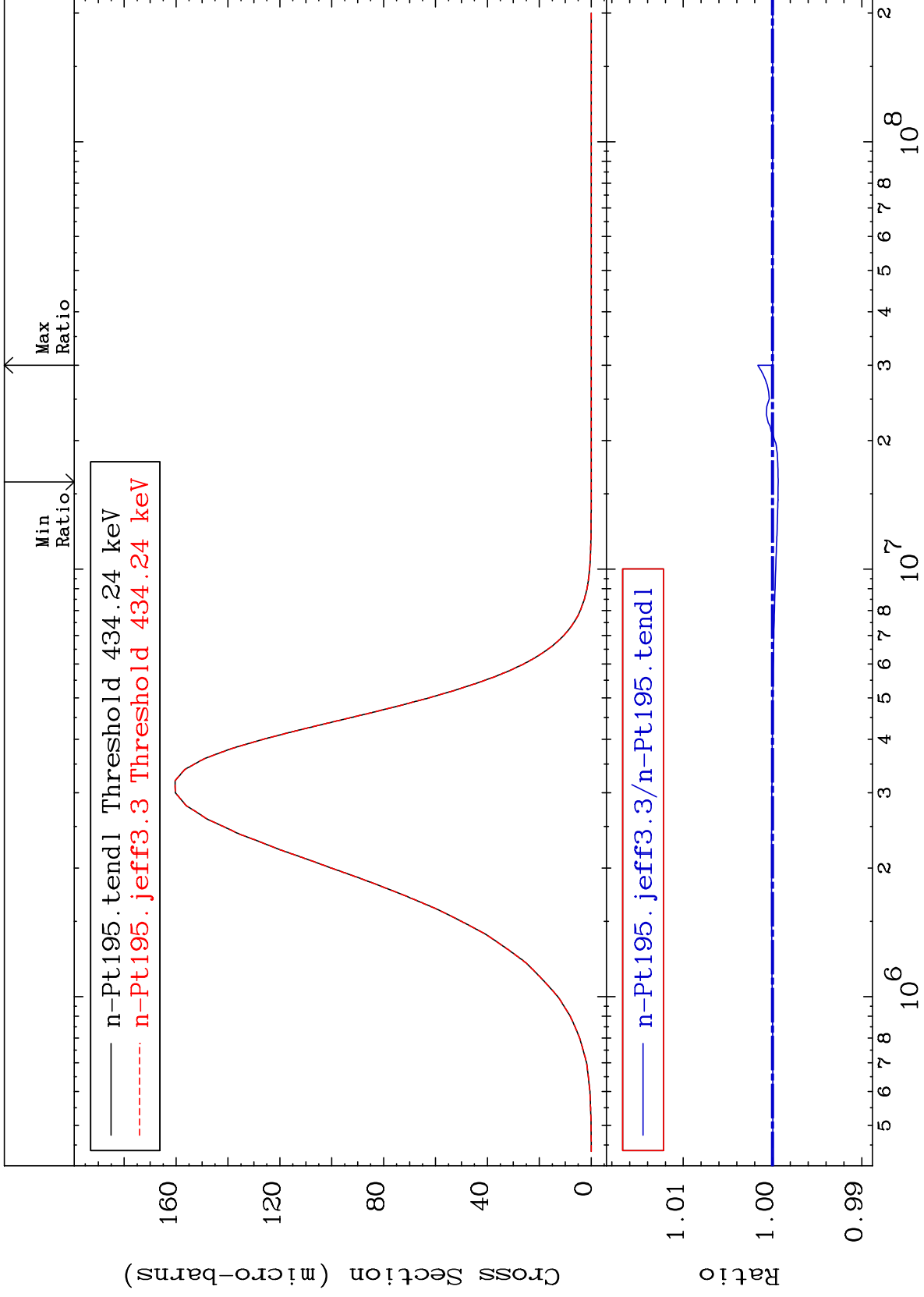
78-Pt-195
-0.063 To 0.168 %



MAT 7840

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

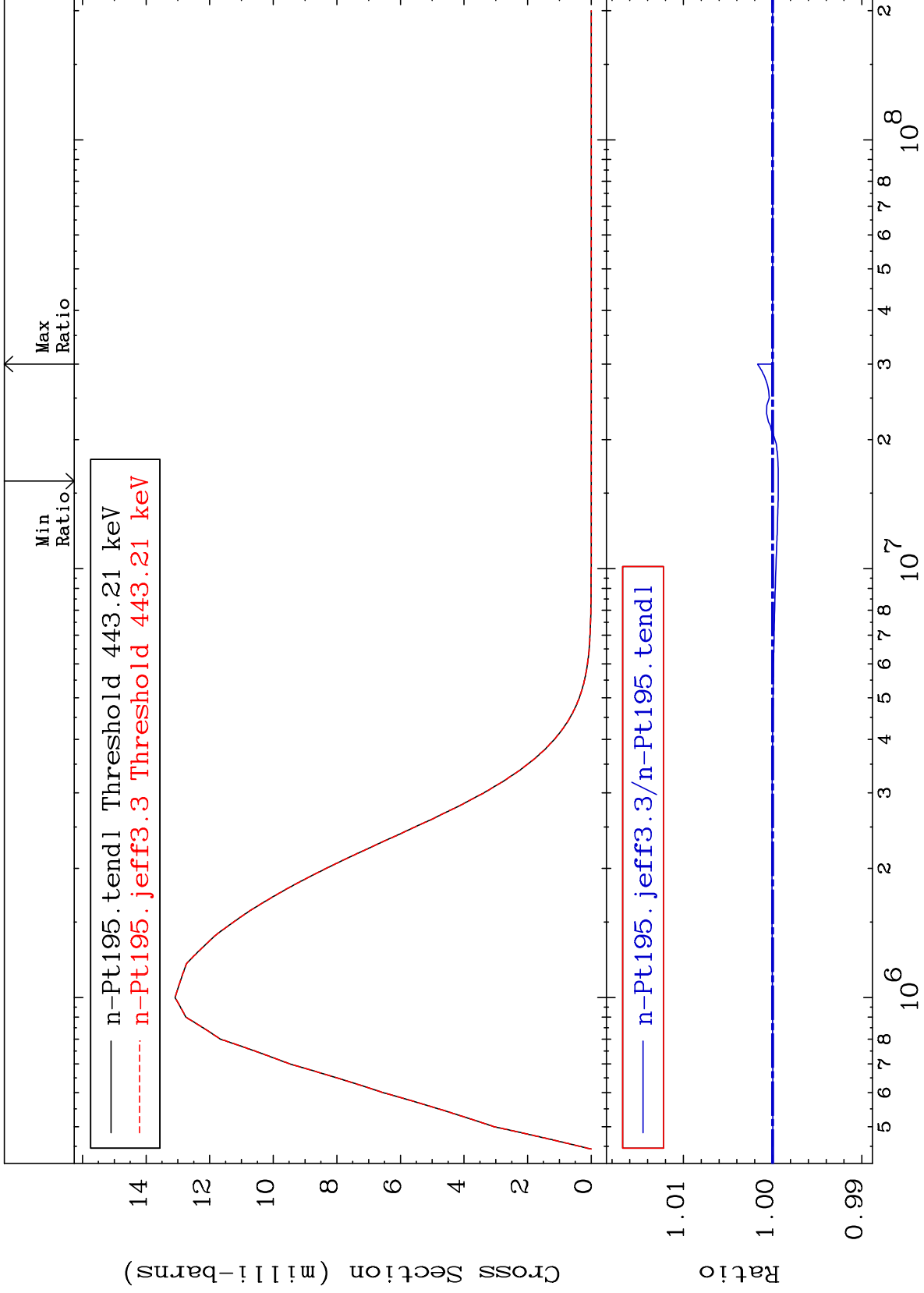
78-Pt-195
-0.063 To 0.165 %



MAT 7840

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

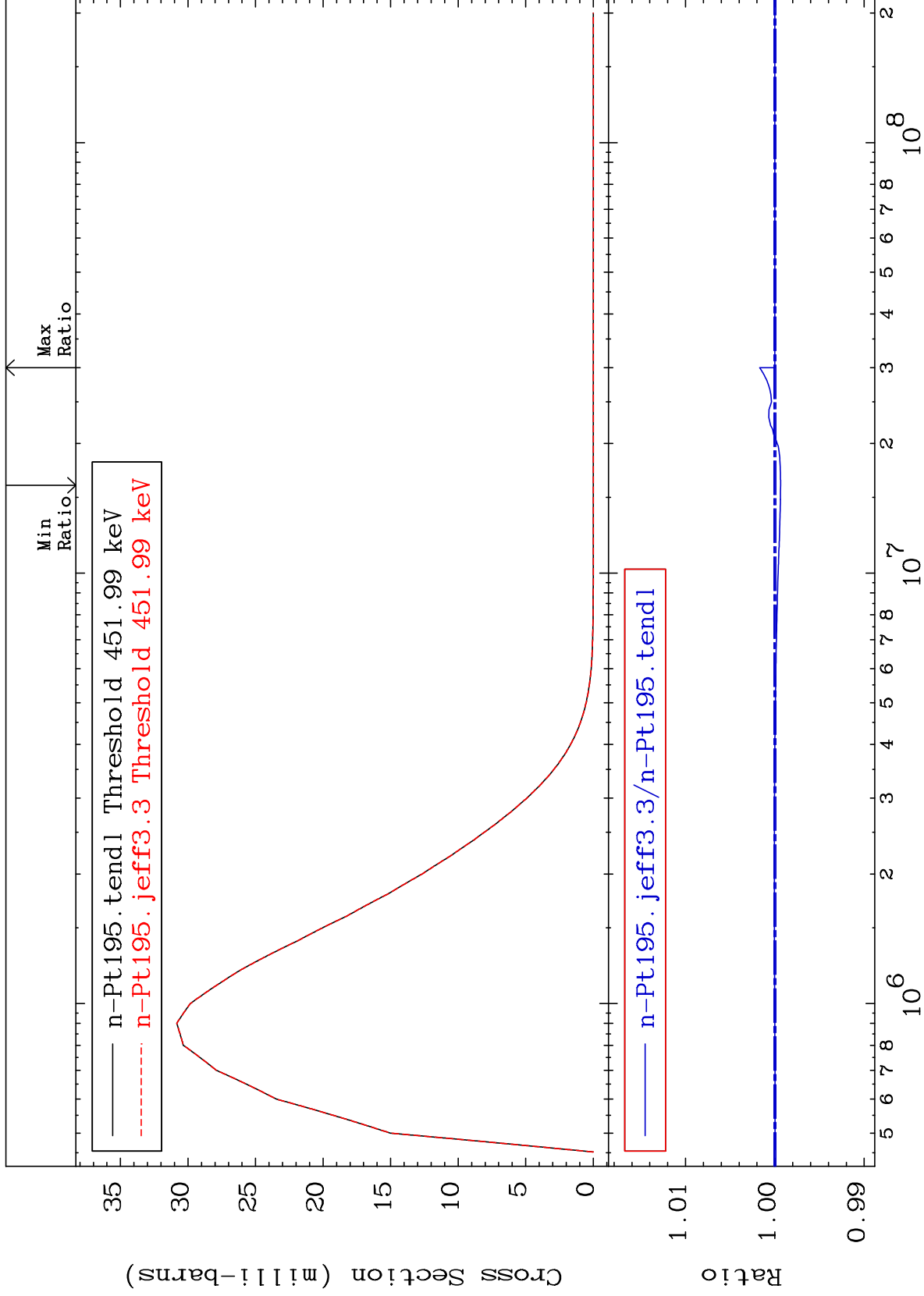
78-Pt-195
-0.064 To 0.168 %



MAT 7840

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

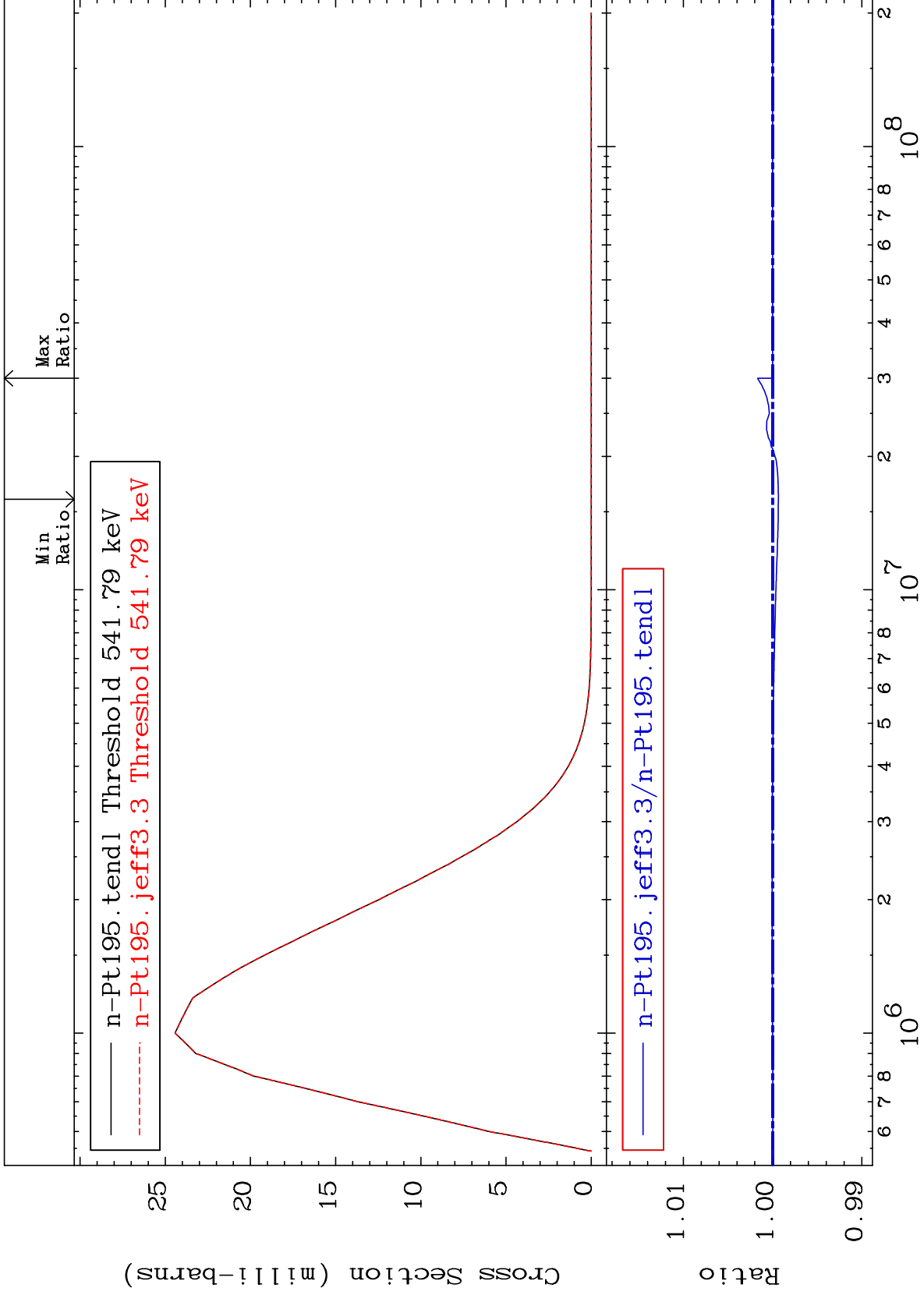
78-Pt-195
-0.064 To 0.169 %



MAT 7840

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

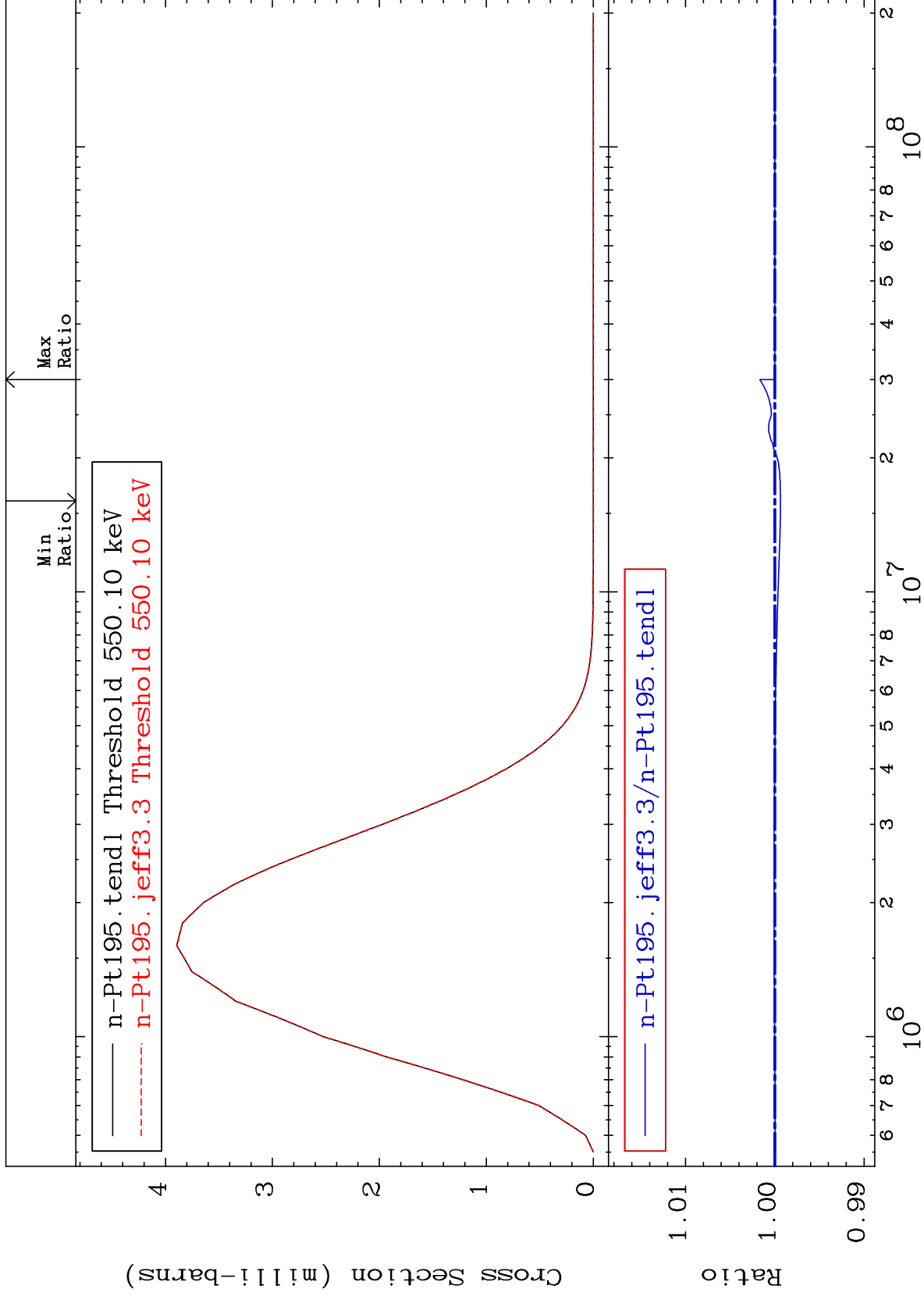
78-Pt-195
-0.064 To 0.170 %



MAT 7840

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

78-Pt-195
-0.064 To 0.168 %



30

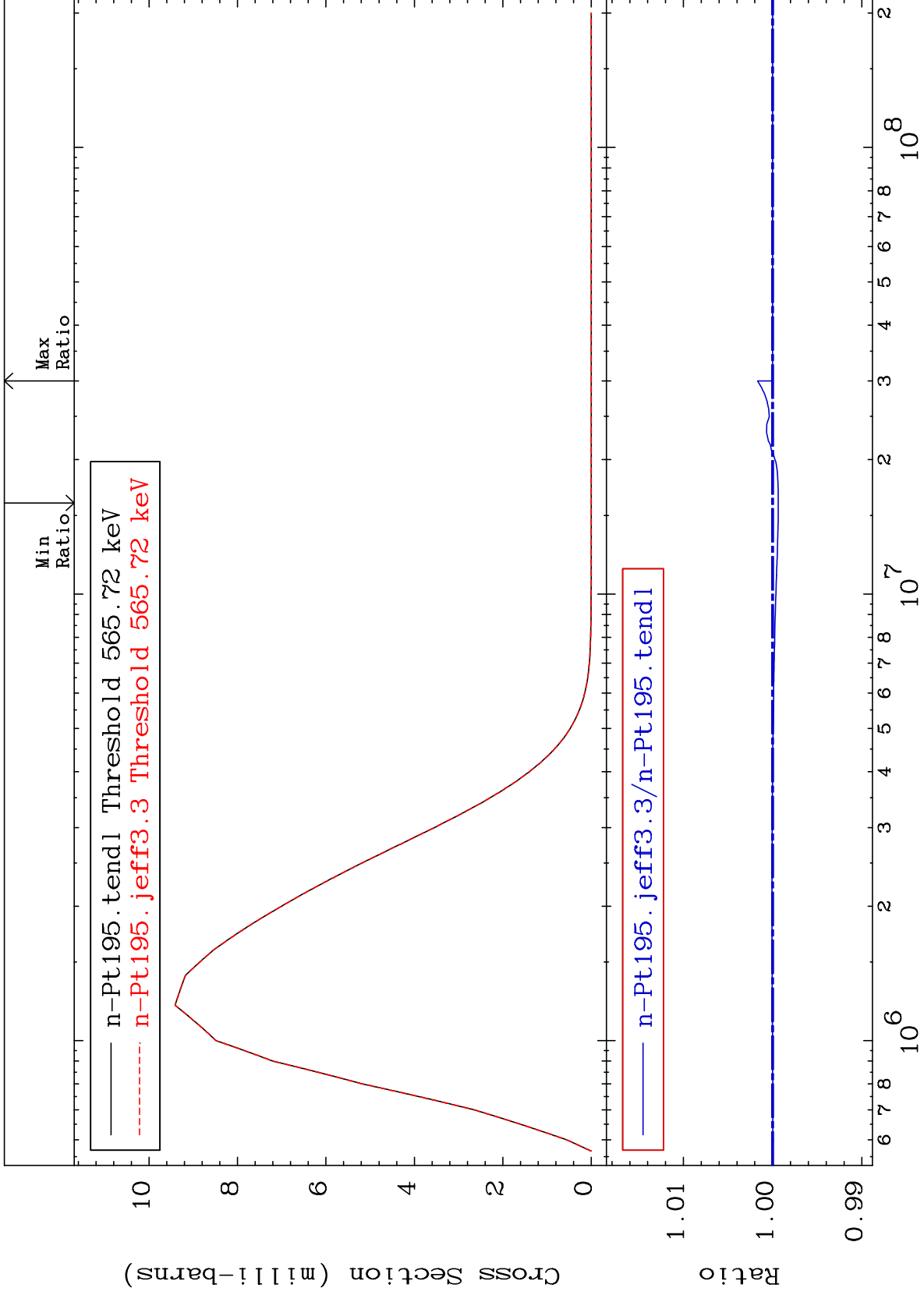
Incident Energy (eV)

78-Pt-195

MAT 7840

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

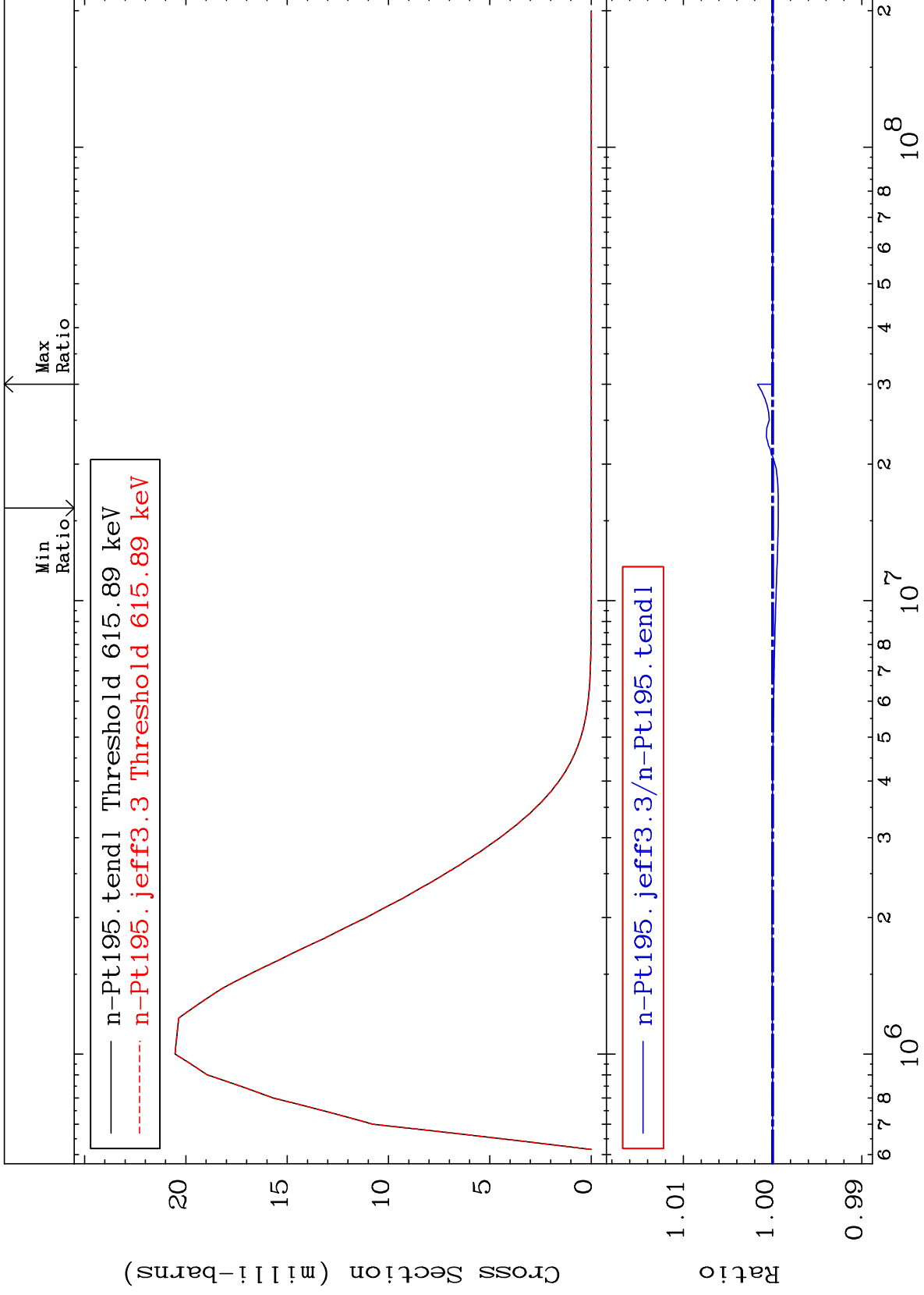
78-Pt-195
-0.064 To 0.169 %



MAT 7840

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

78-Pt-195
-0.064 To 0.168 %



32

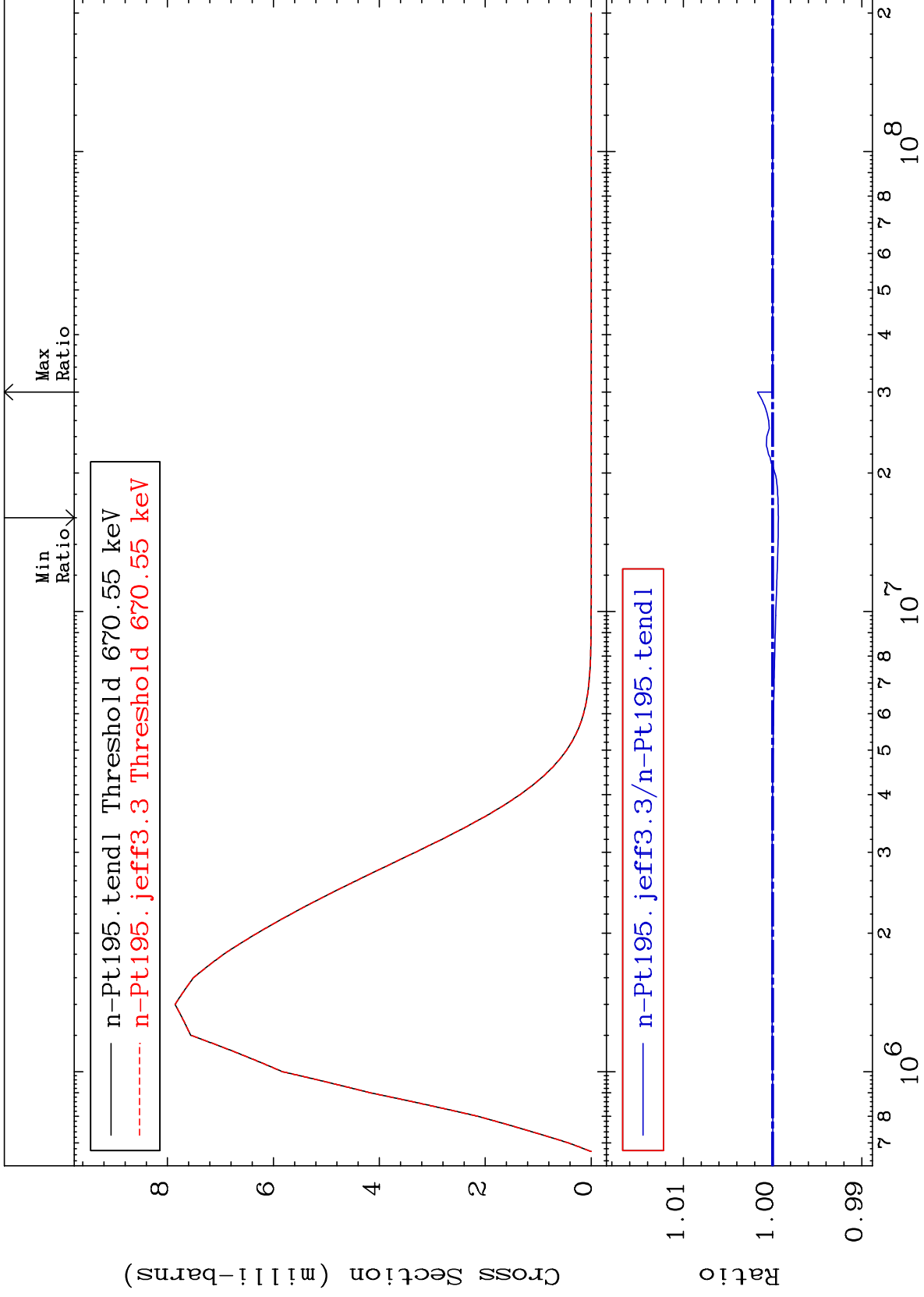
Incident Energy (eV)

78-Pt-195

MAT 7840

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

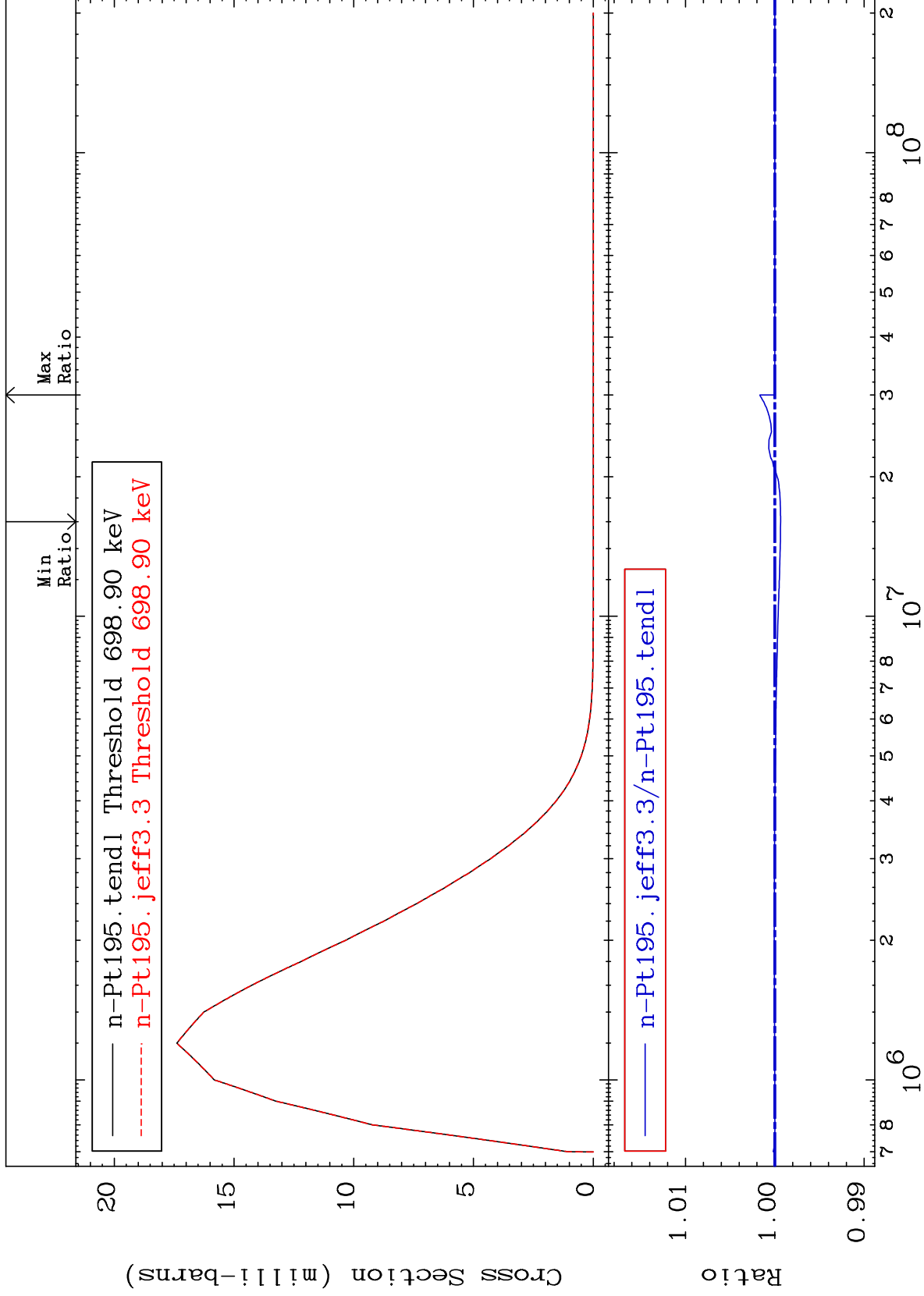
78-Pt-195
-0.064 To 0.168 %



MAT 7840

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

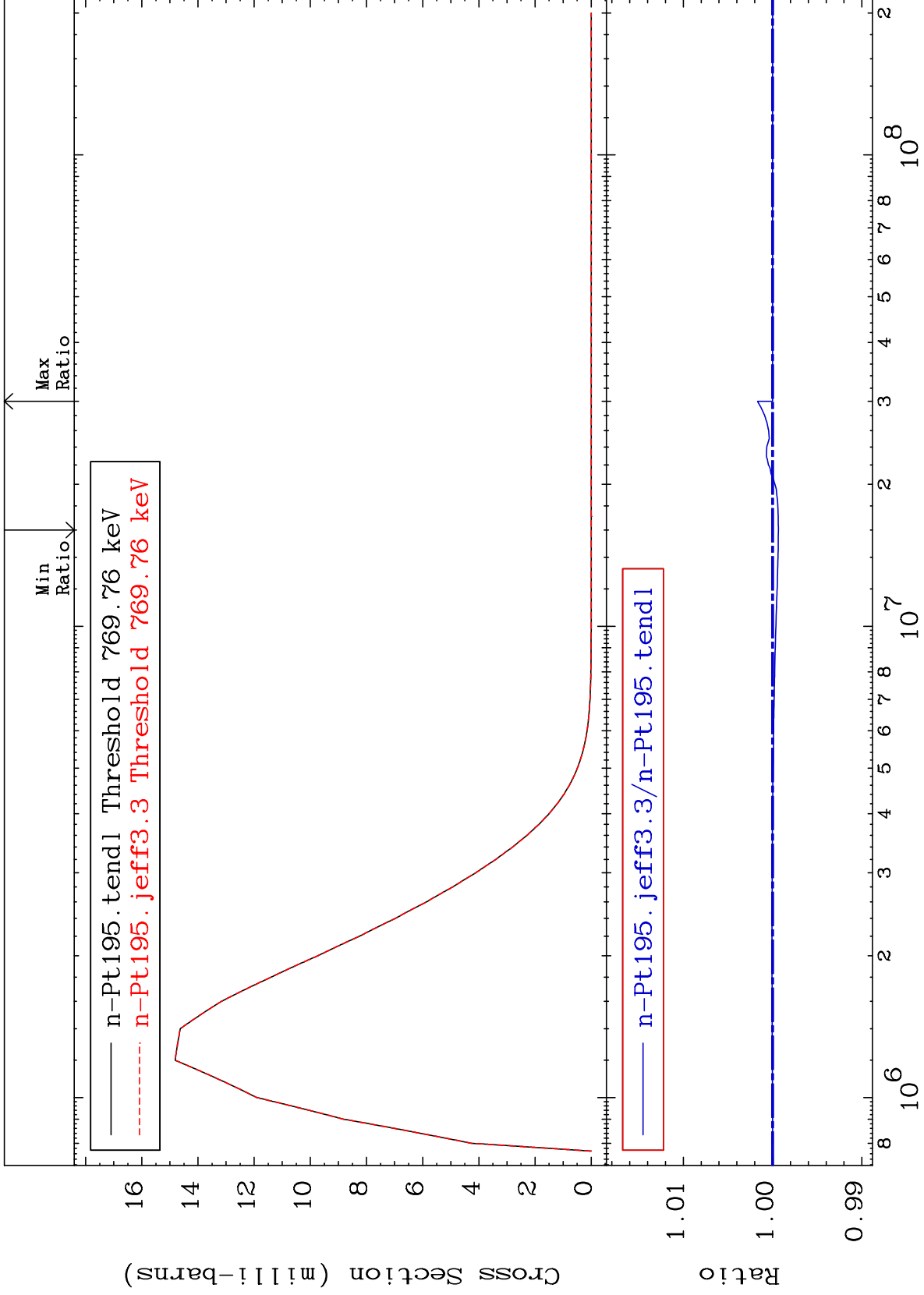
78-Pt-195
-0.064 To 0.169 %



MAT 7840

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

78-Pt-195
-0.064 To 0.169 %



35

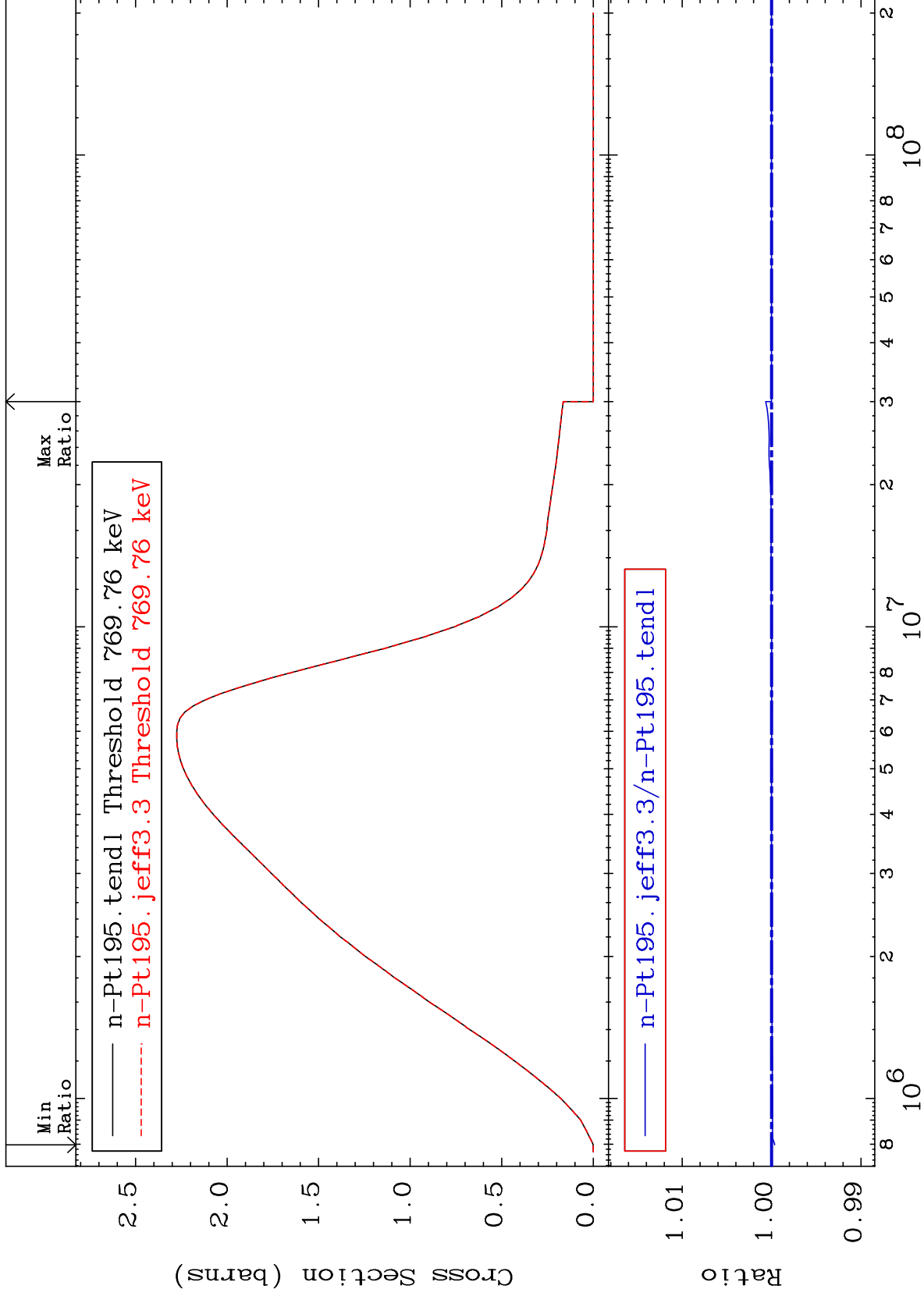
Incident Energy (eV)

78-Pt-195

MAT 7840

(n, n') Continuum
Cross Section

78-Pt-195
-0.034 To 0.066 %



36

Incident Energy (eV)

78-Pt-195

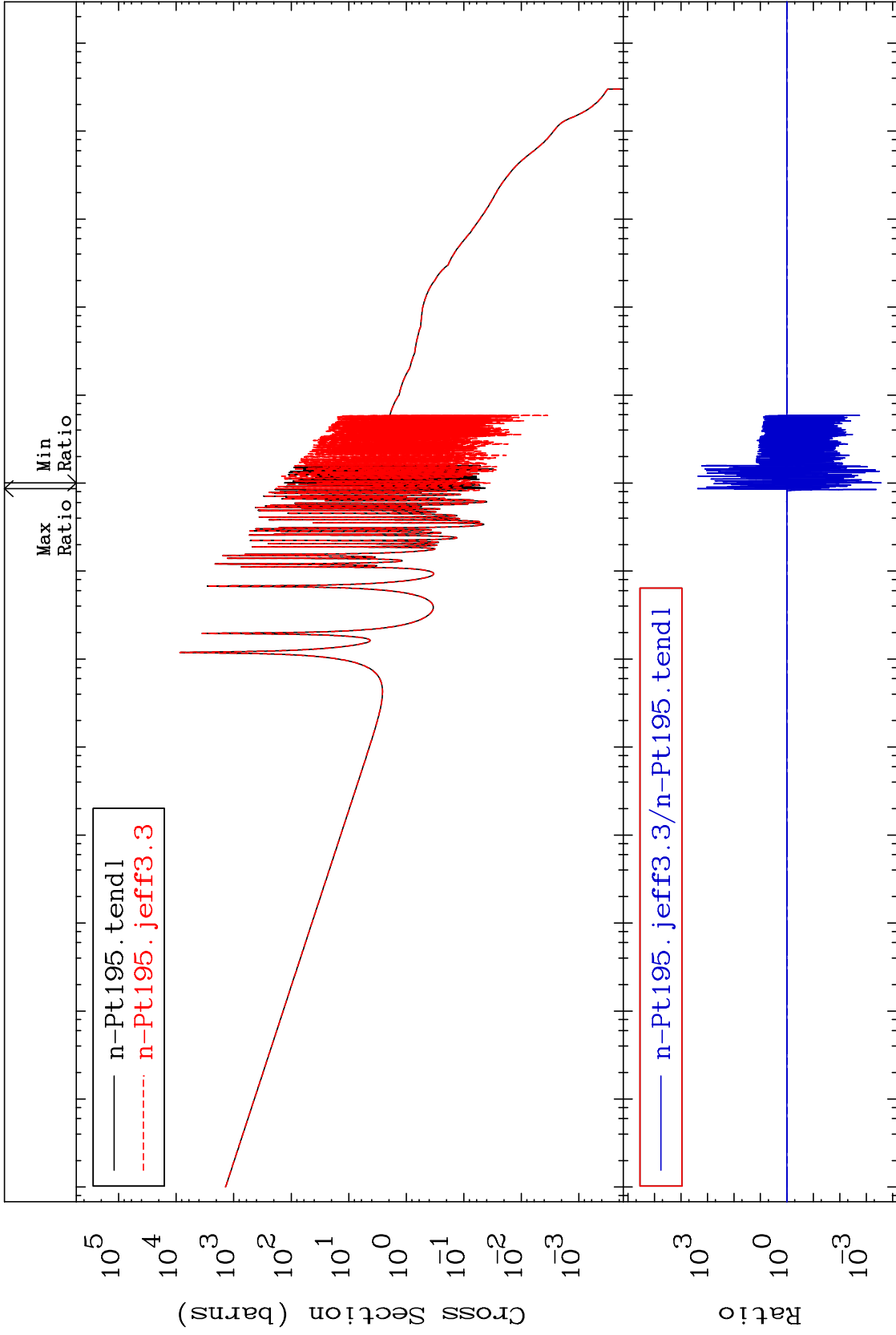
MAT 7840

(n, γ)

78-Pt-195

Cross Section

-99.97 To 9999. %



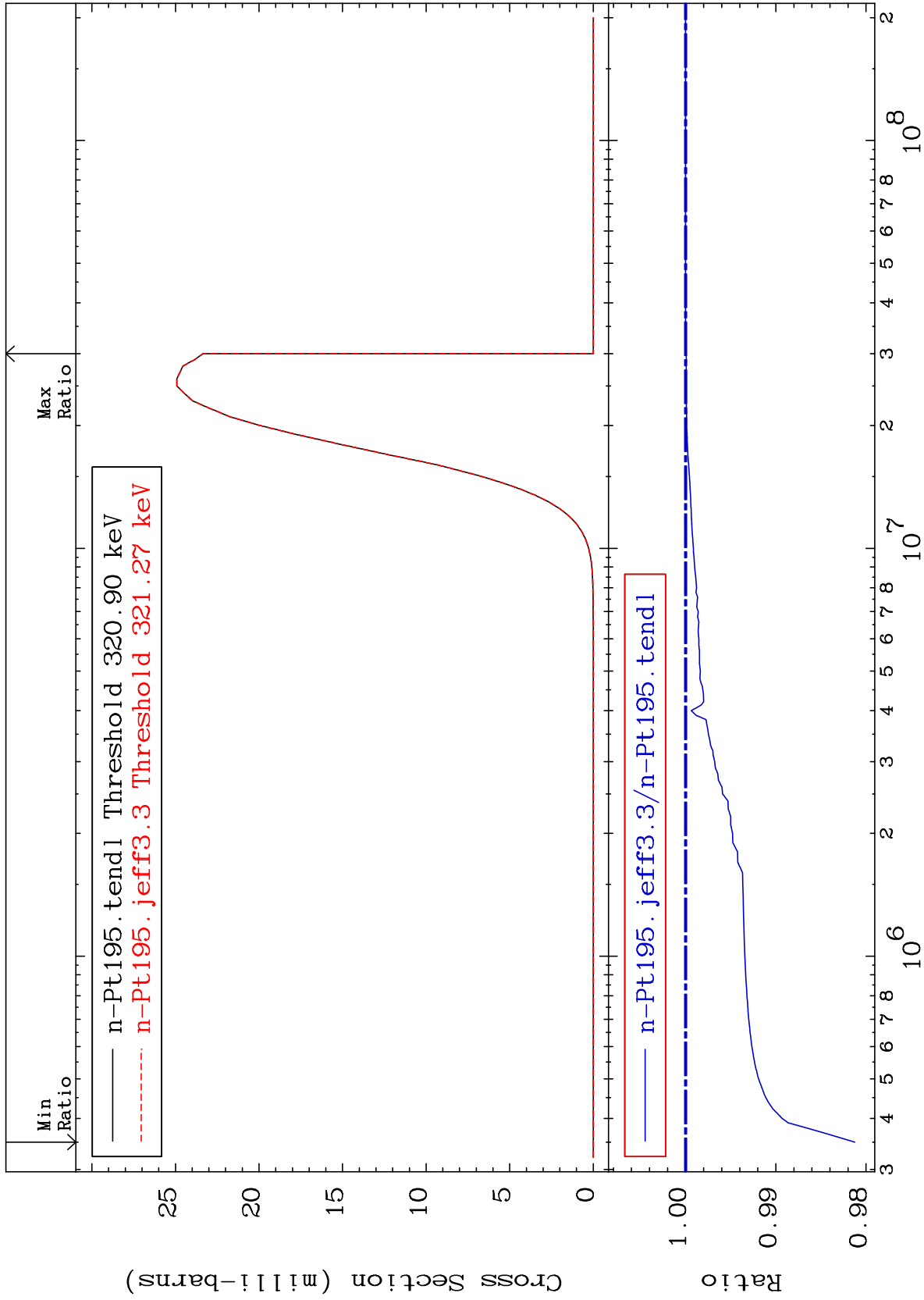
MAT 7840

(n,p)

78-Pt-195

Cross Section

-1.874 To 0.000 %



38

Incident Energy (eV)

78-Pt-195

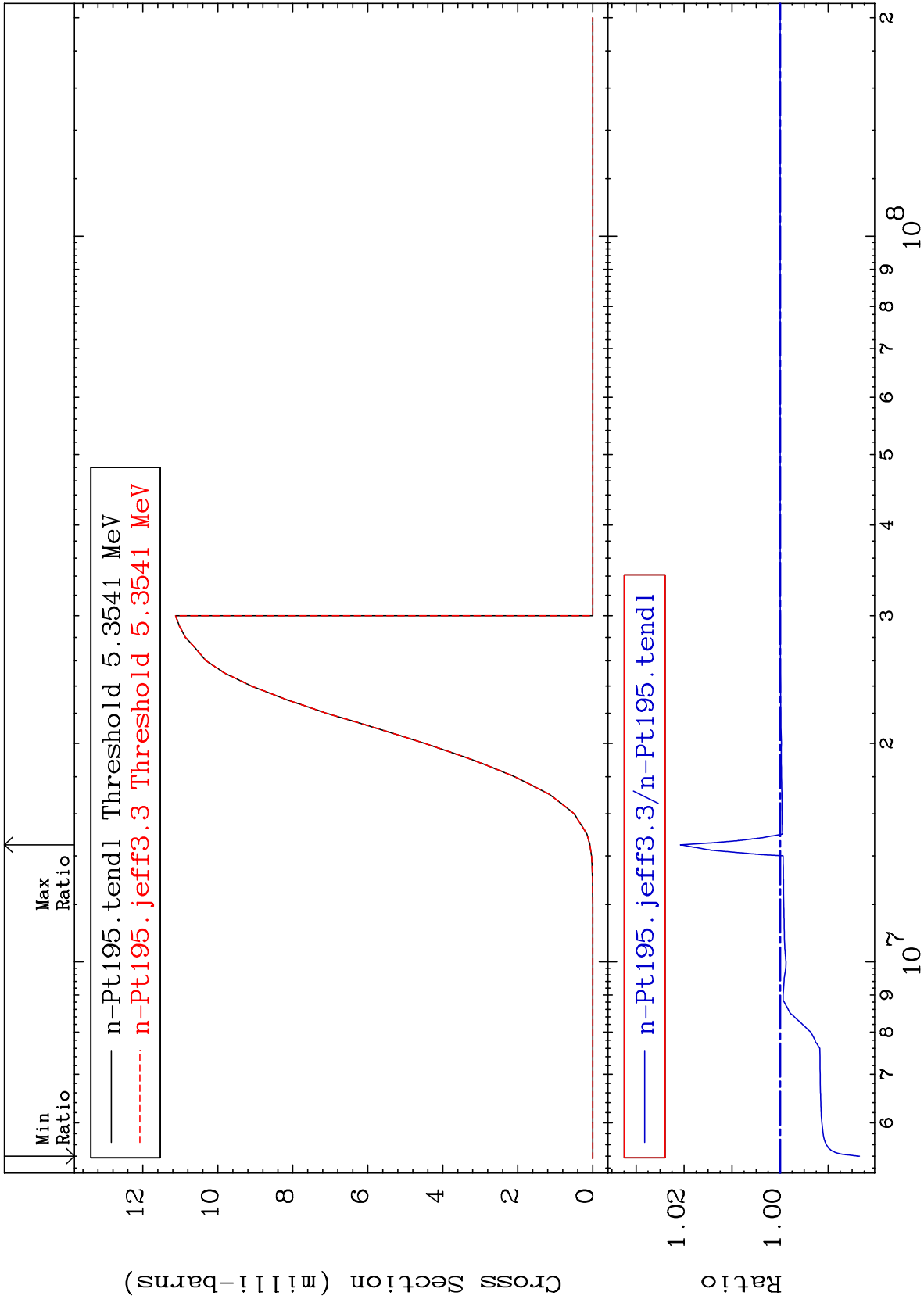
MAT 7840

(n, d)

78-Pt-195

Cross Section

-1.650 To 2.077 %



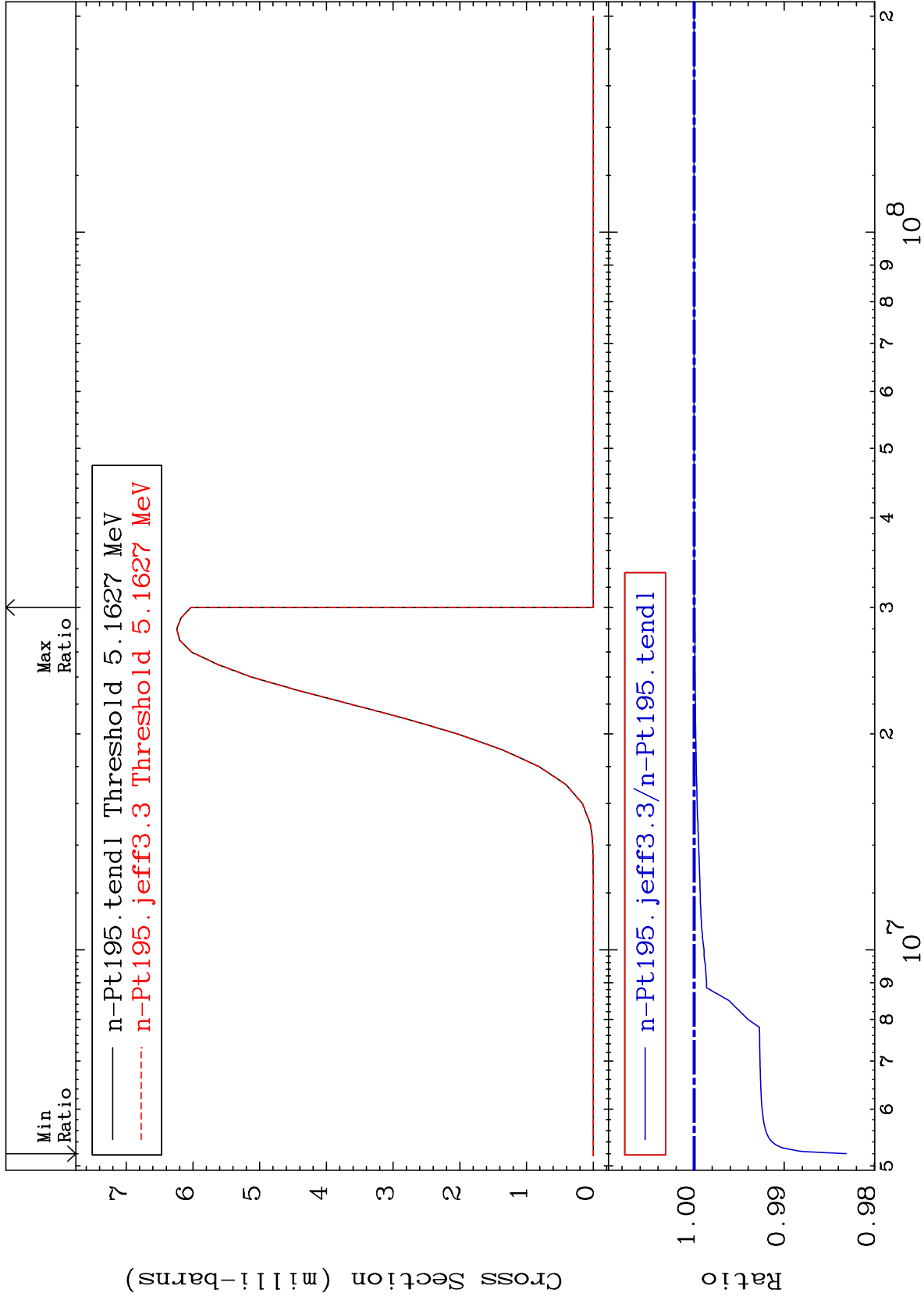
MAT 7840

(n, t)

78-Pt-195

Cross Section

-1.687 To 0.000 %



40

Incident Energy (eV)

78-Pt-195

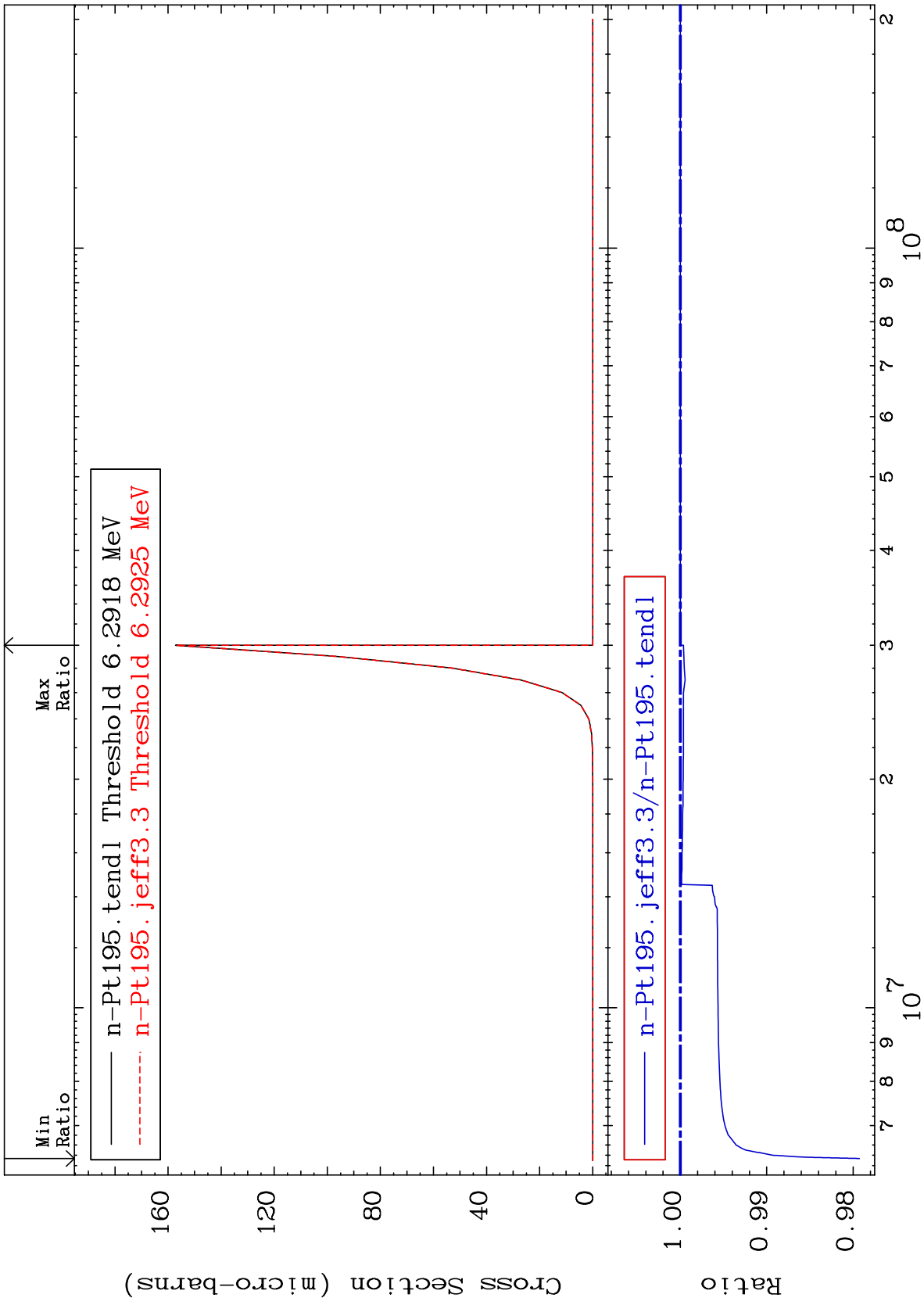
MAT 7840

(n, He-3)

78-Pt-195

Cross Section

-2.073 To 0.000 %



41

Incident Energy (eV)

78-Pt-195

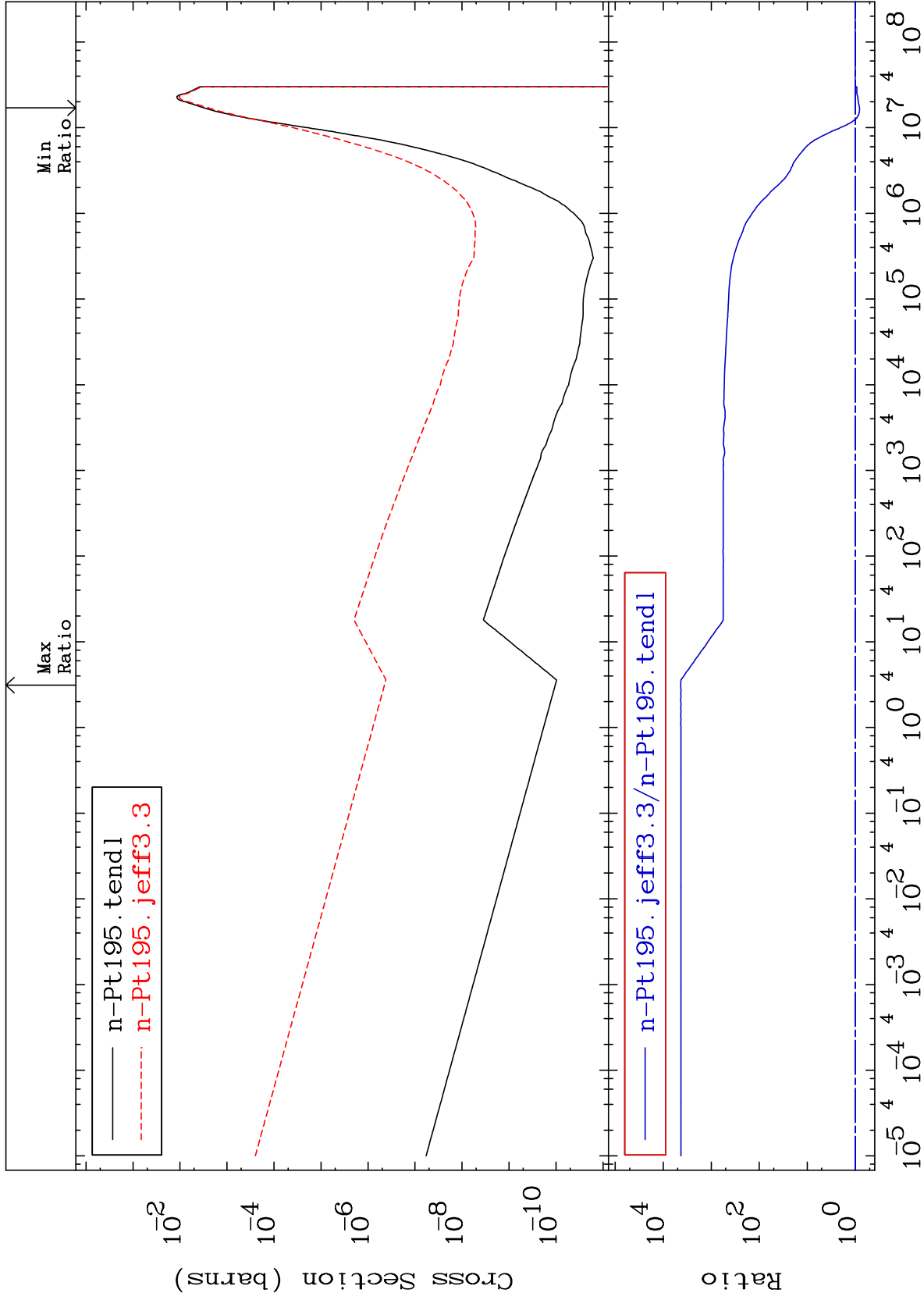
MAT 7840

(n, α)

78-Pt-195

Cross Section

-18.63 To 9999. %



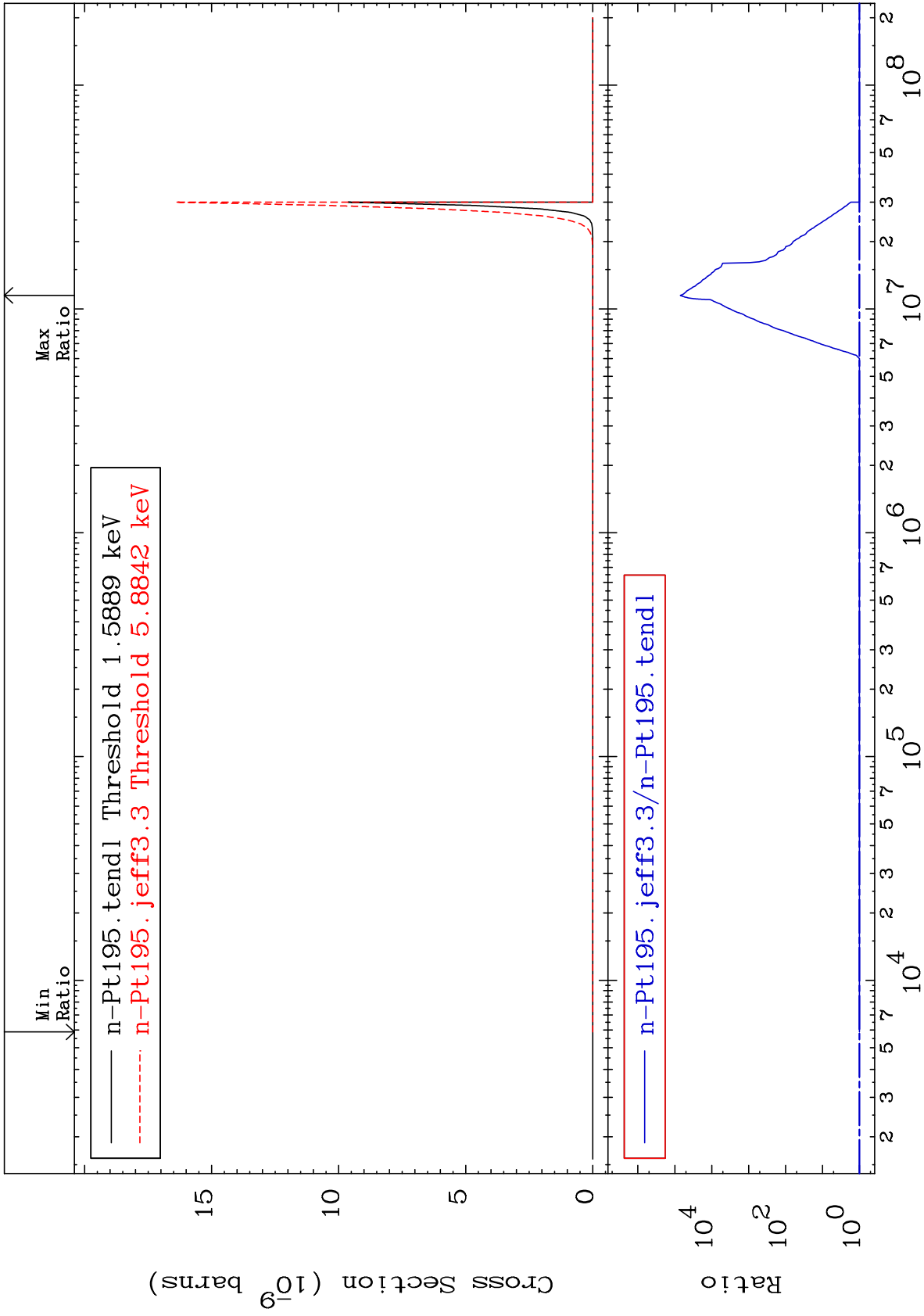
MAT 7840

(n,2α)

78-Pt-195

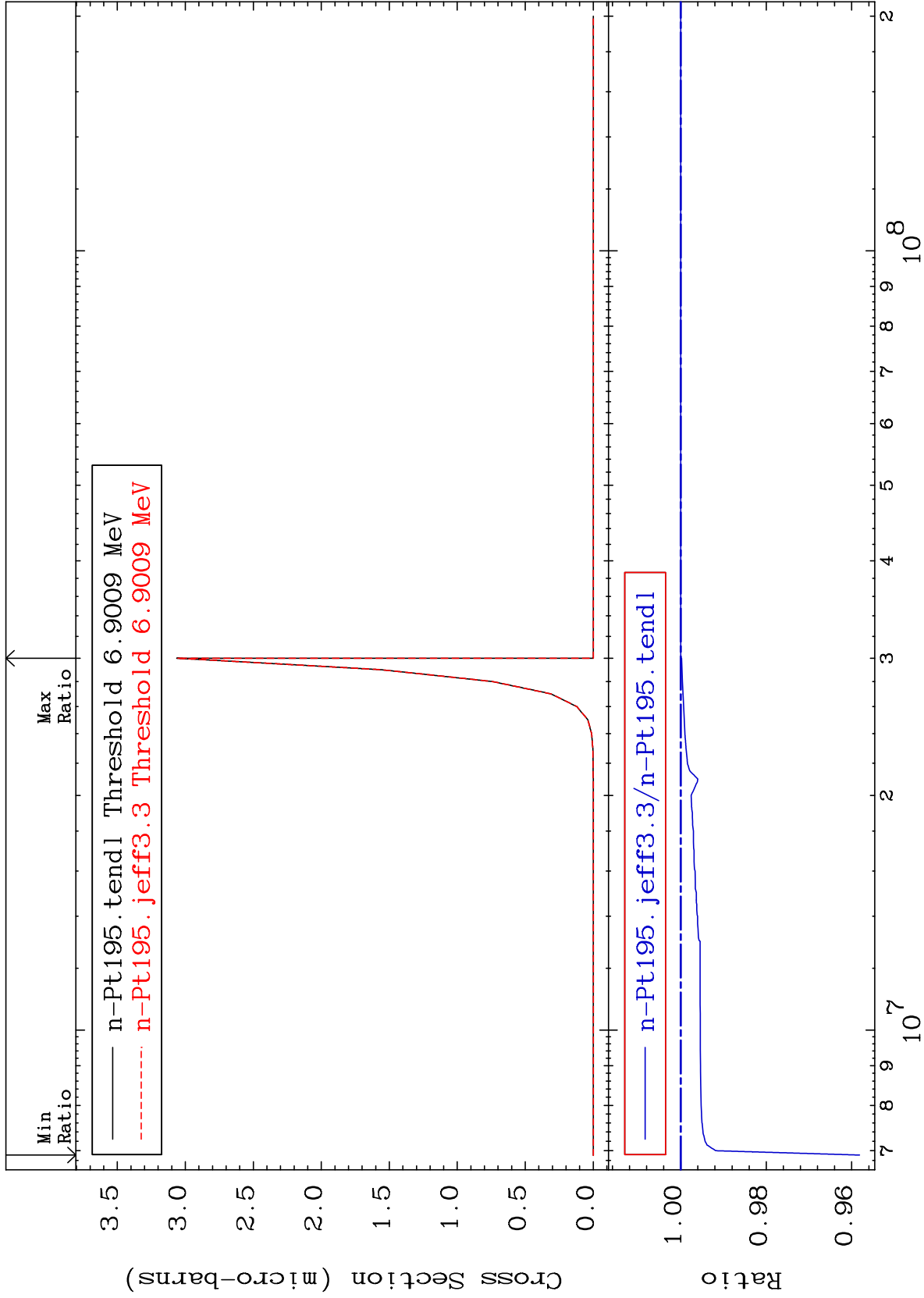
Cross Section

0.000 To 9999. %



Cross Section

-4.183 To 0.000 %

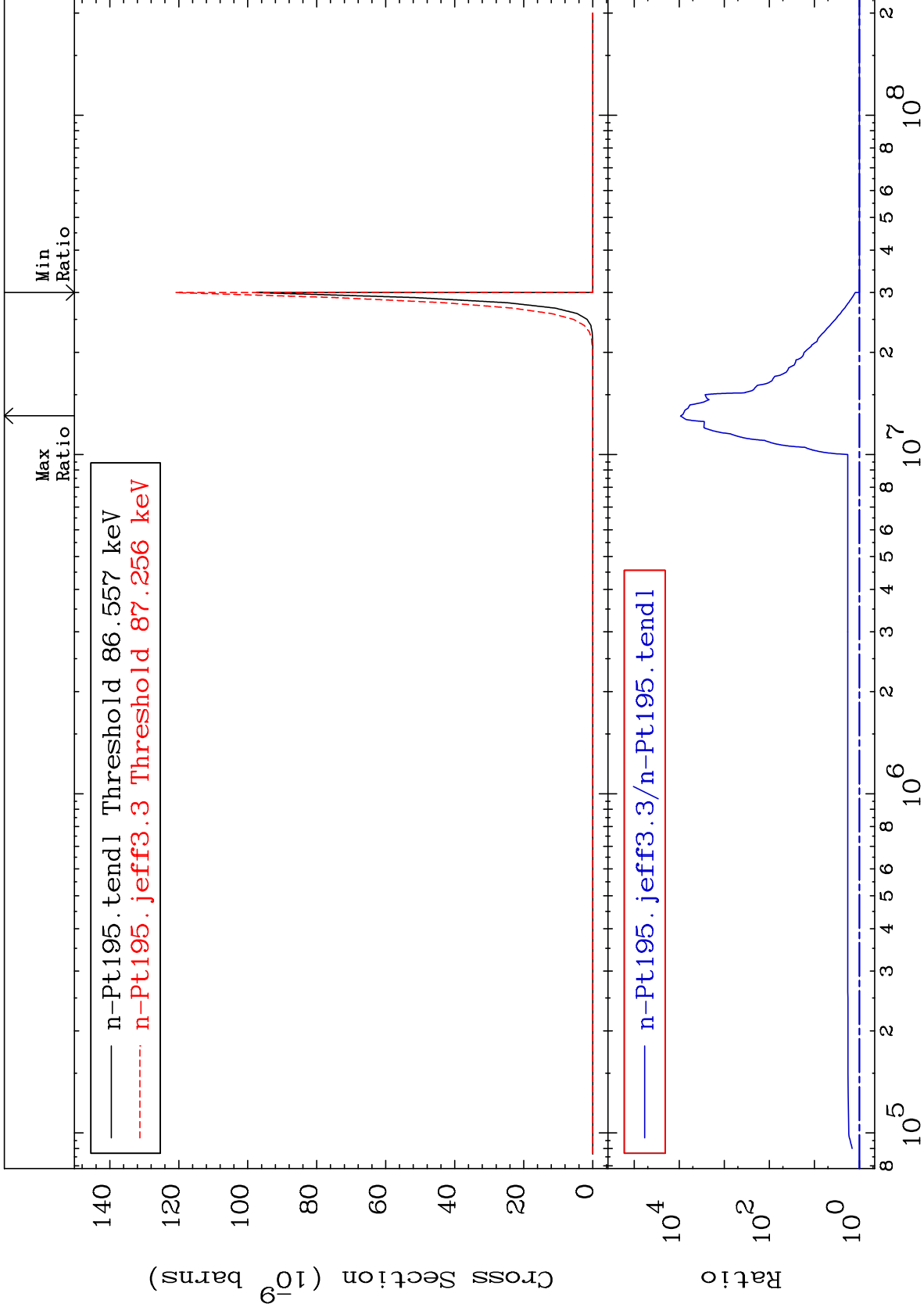


MAT 7840

(n,p) α

Cross Section

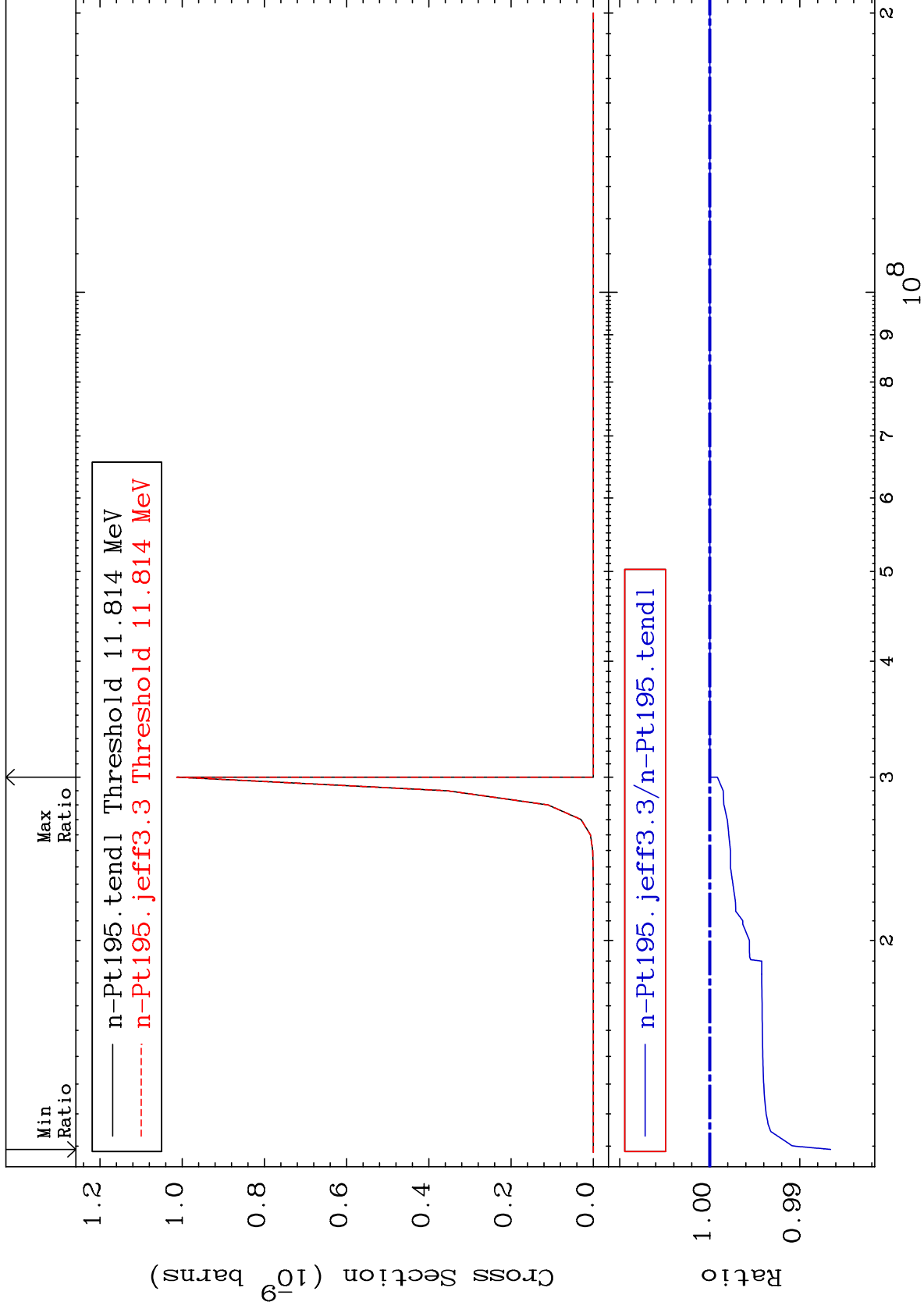
78-Pt-195
To 9999. %
0.000

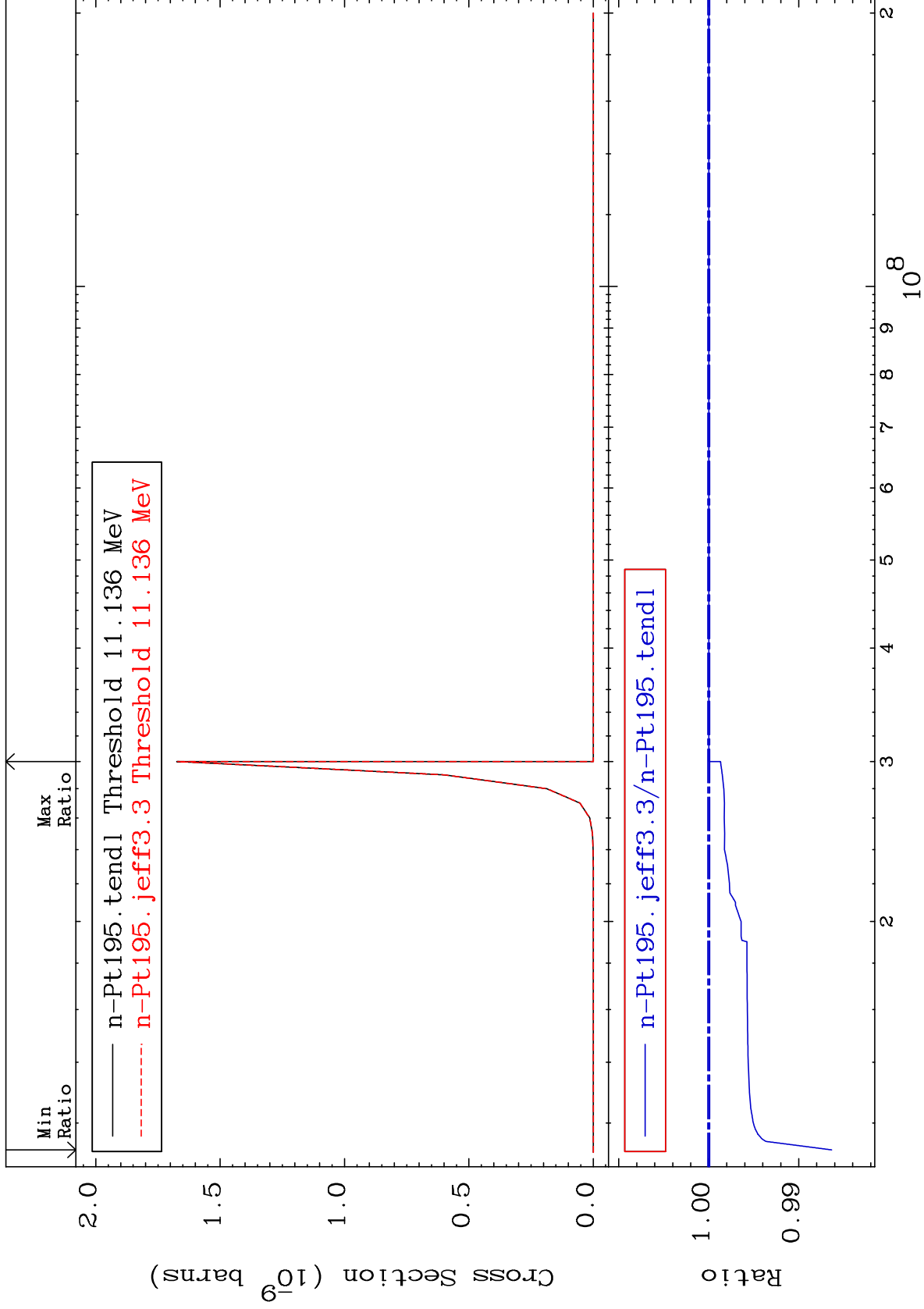


45

Incident Energy (eV)

78-Pt-195

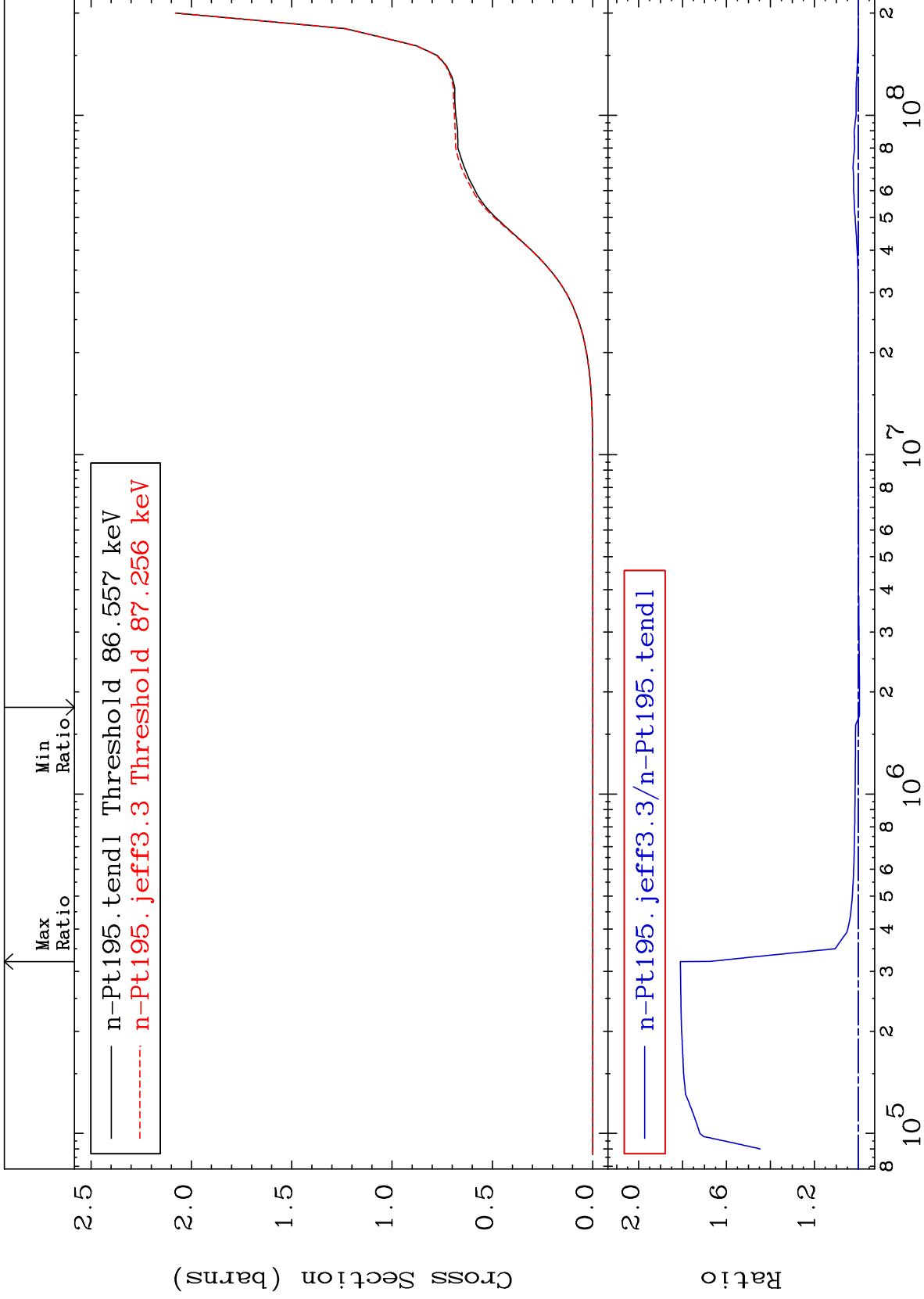




MAT 7840

Hydrogen Production
Cross Section

⁷⁸Pt-195
-0.545 To 80.98 %



Incident Energy (eV)

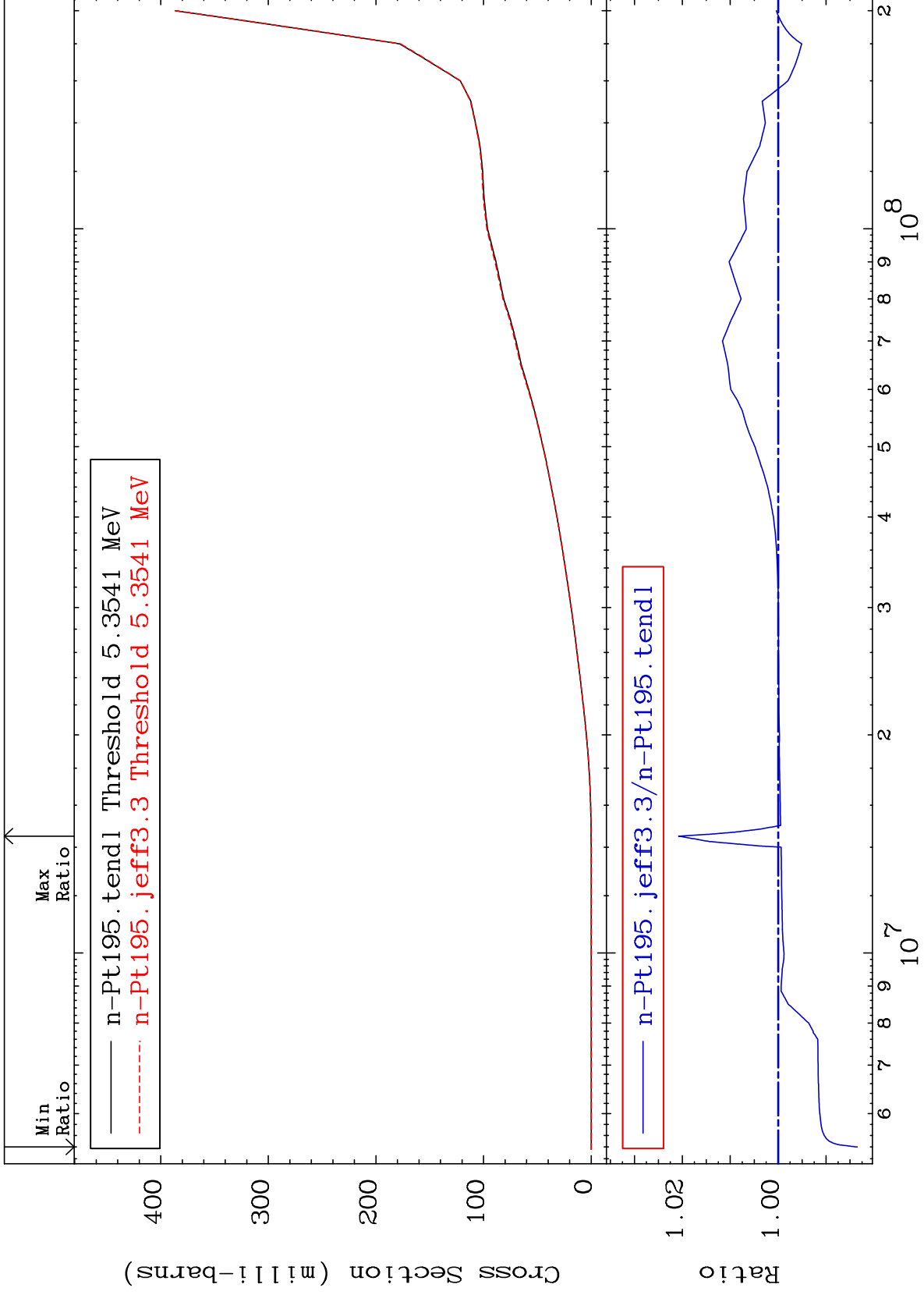
⁷⁸Pt-195

48

MAT 7840

Deuterium Production
Cross Section

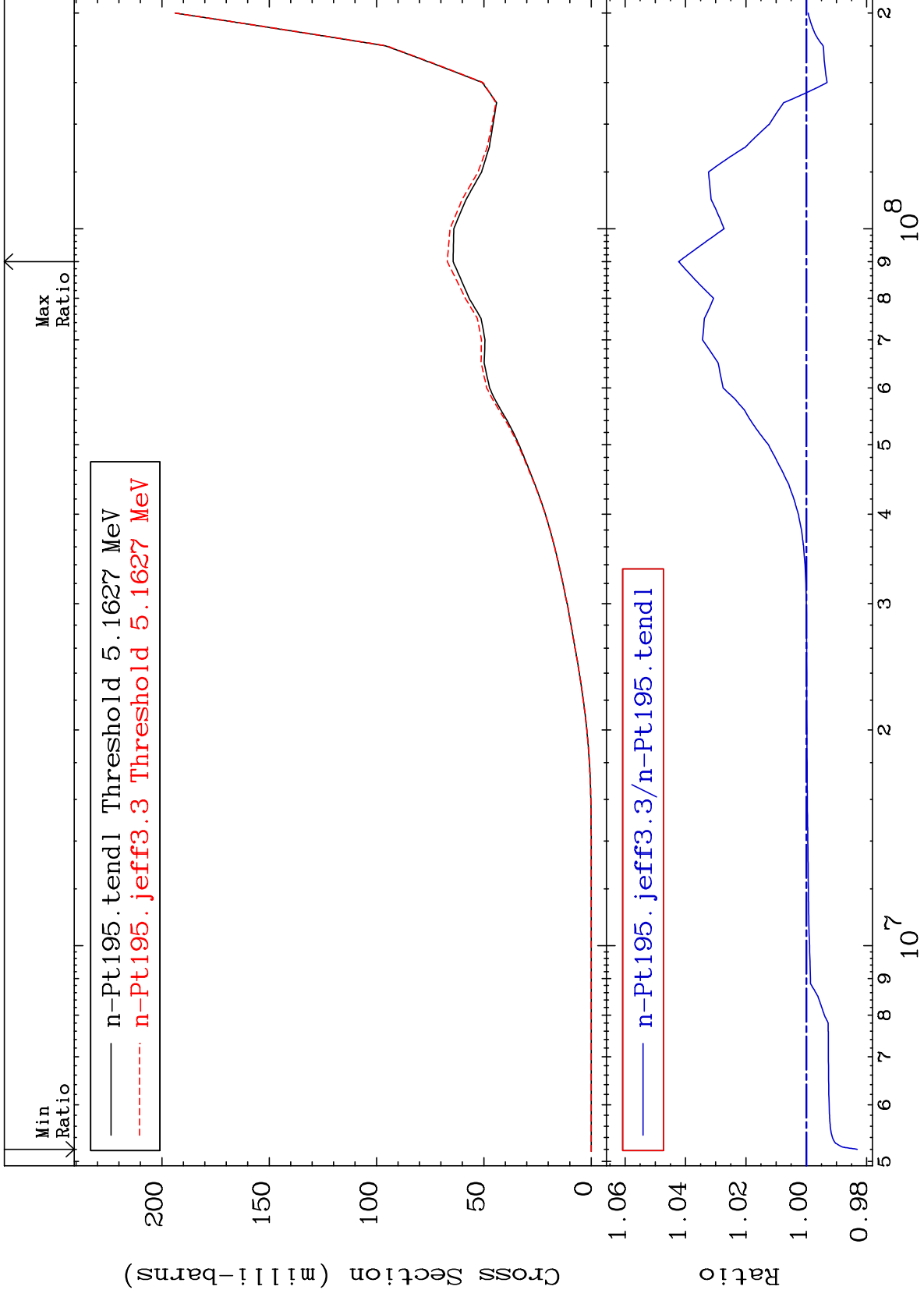
78-Pt-195
-1.650 To 2.077 %



MAT 7840

Tritium Production
Cross Section

78-Pt-195
-1.687 To 4.227 %



50

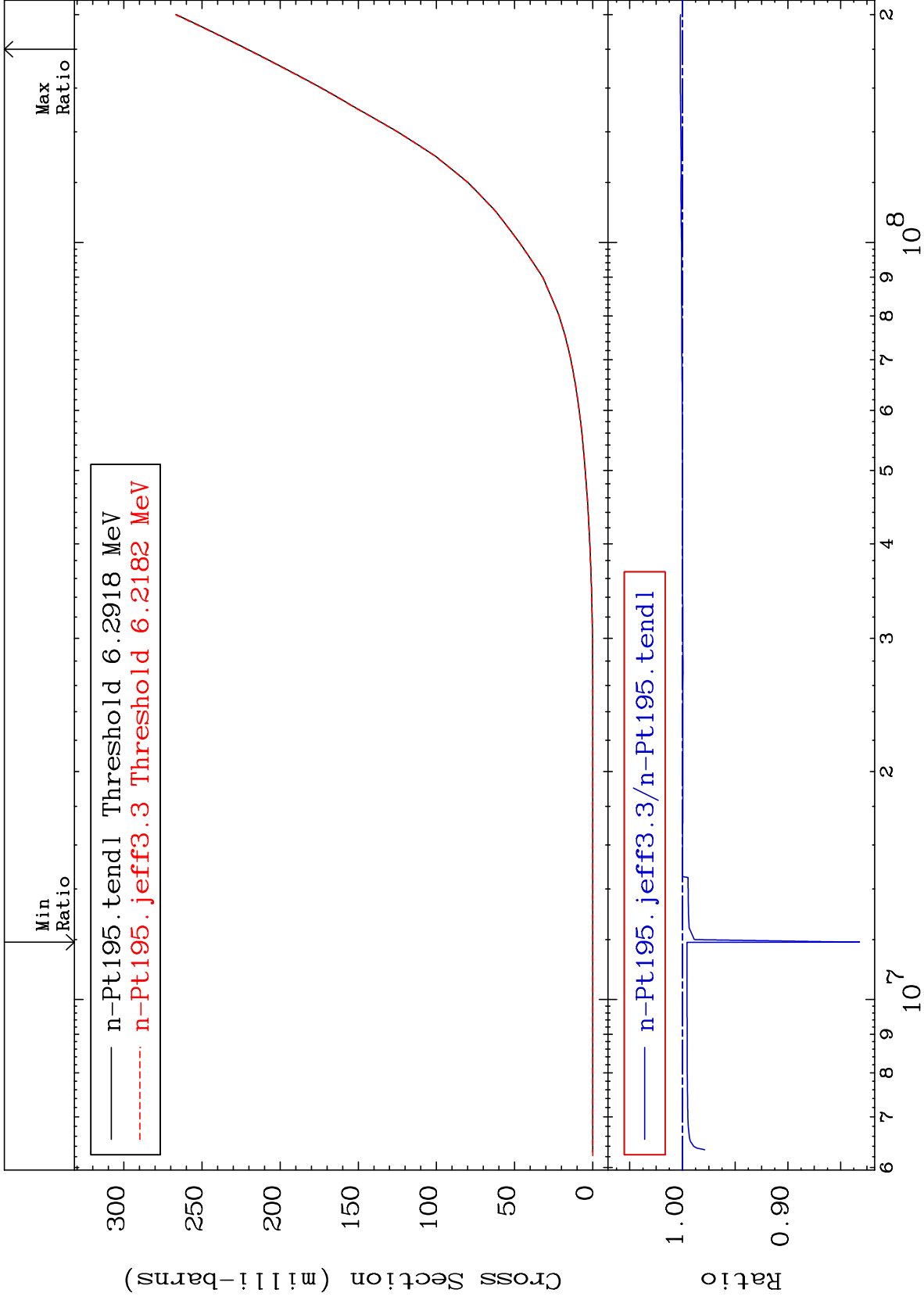
Incident Energy (eV)

78-Pt-195

MAT 7840

He-3 Production
Cross Section

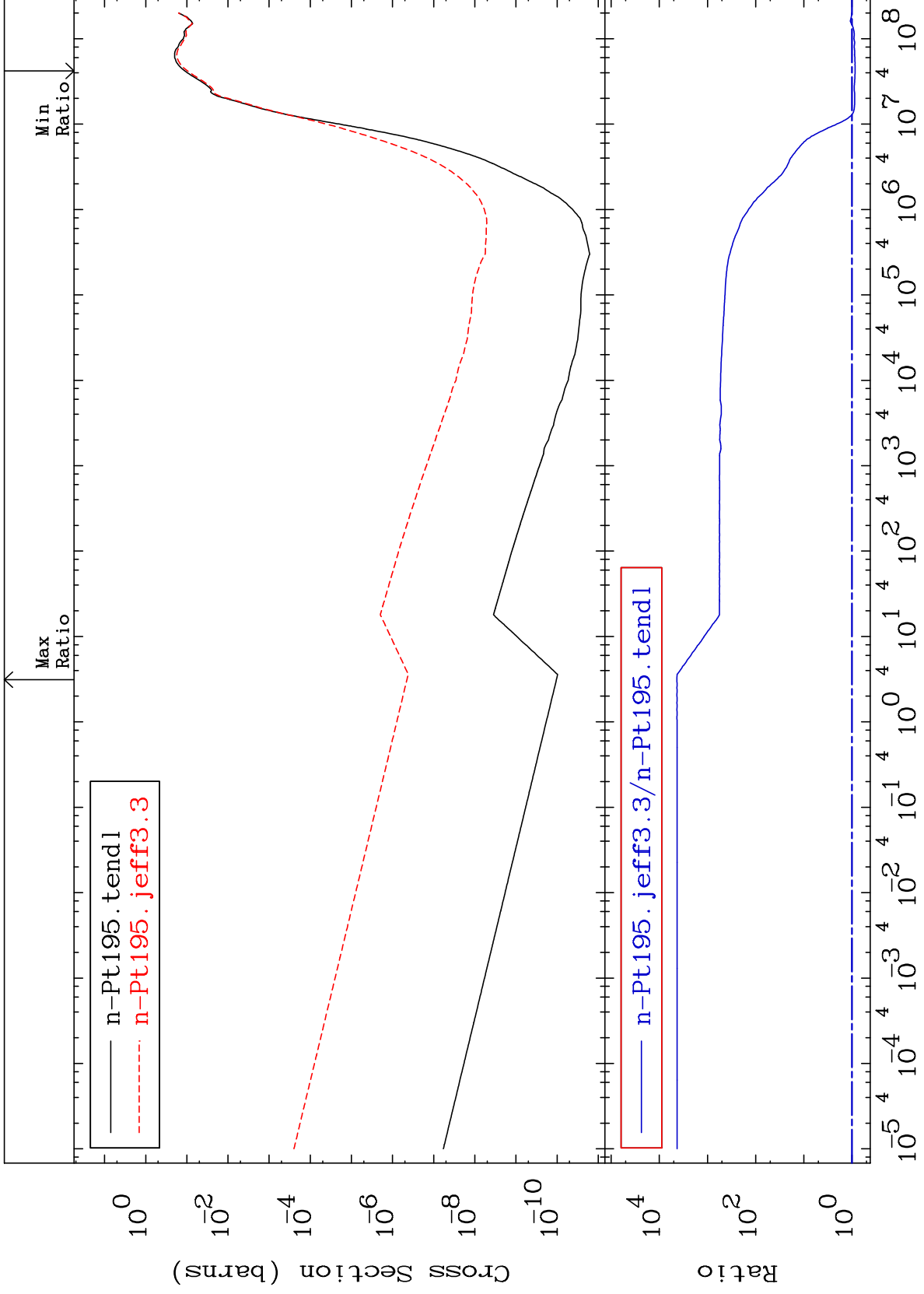
78-Pt-195
-16.78 To 0.199 %

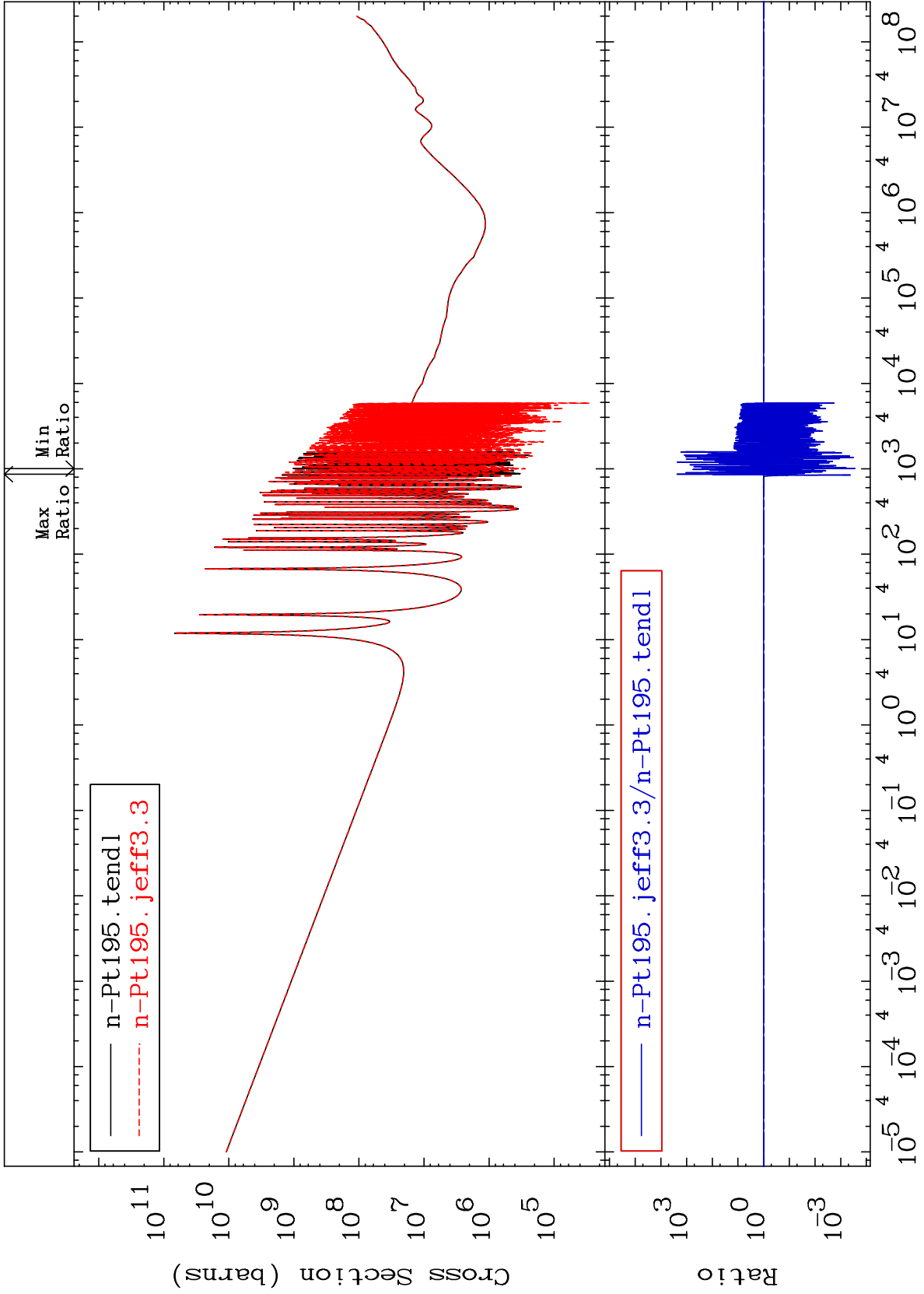


MAT 7840

He-4 Production
Cross Section

78-Pt-195
-13.79 To 9999. %

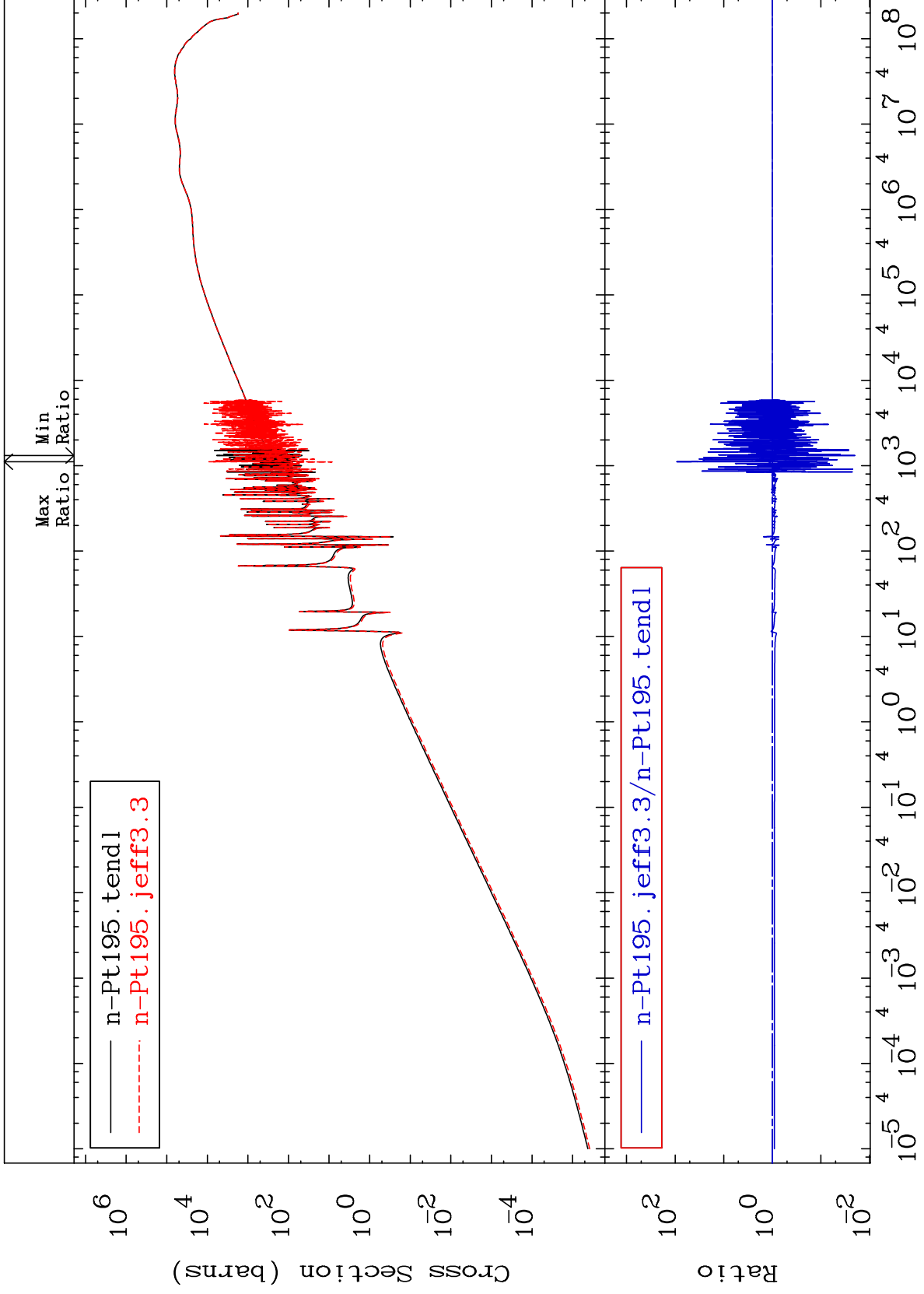


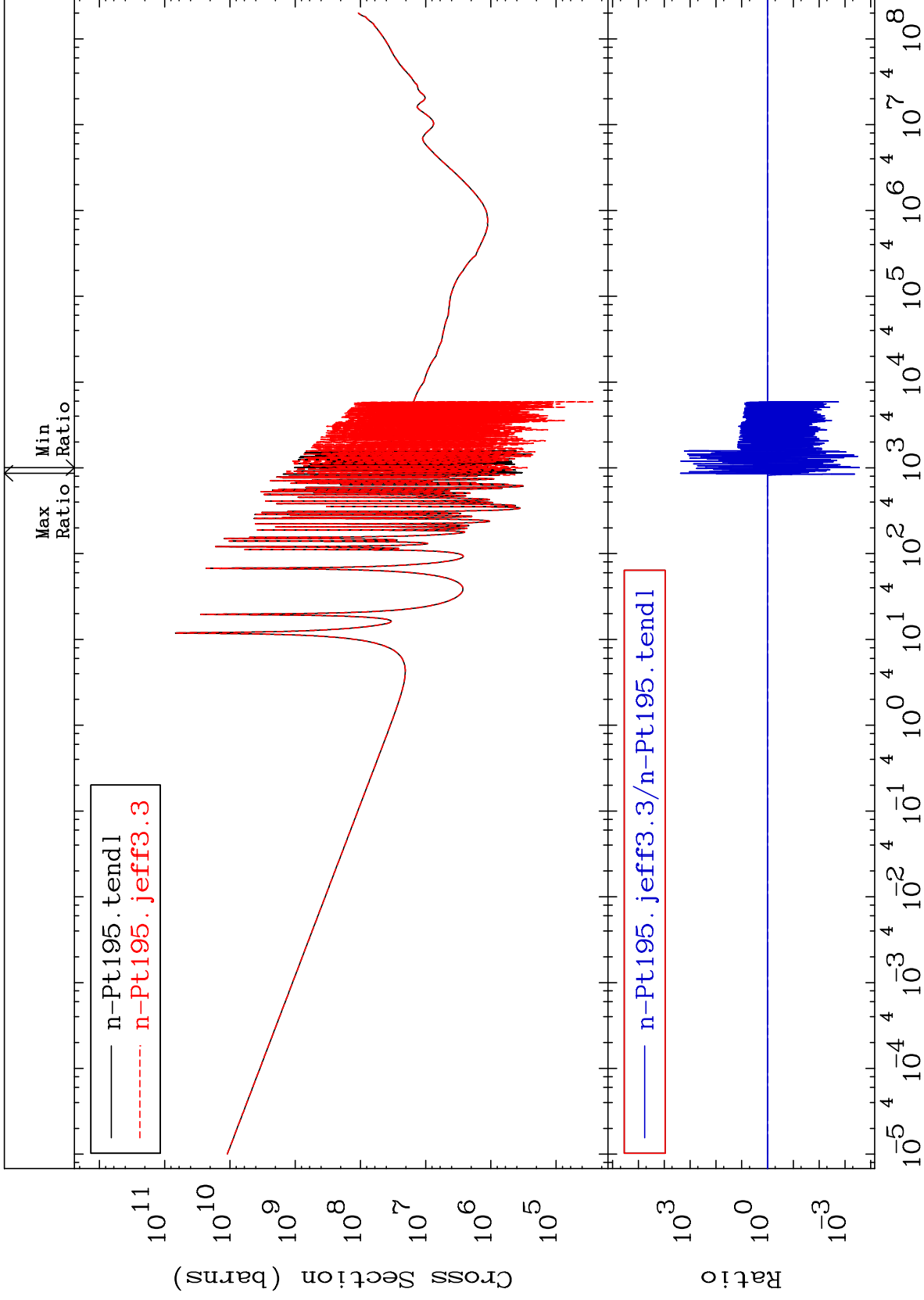


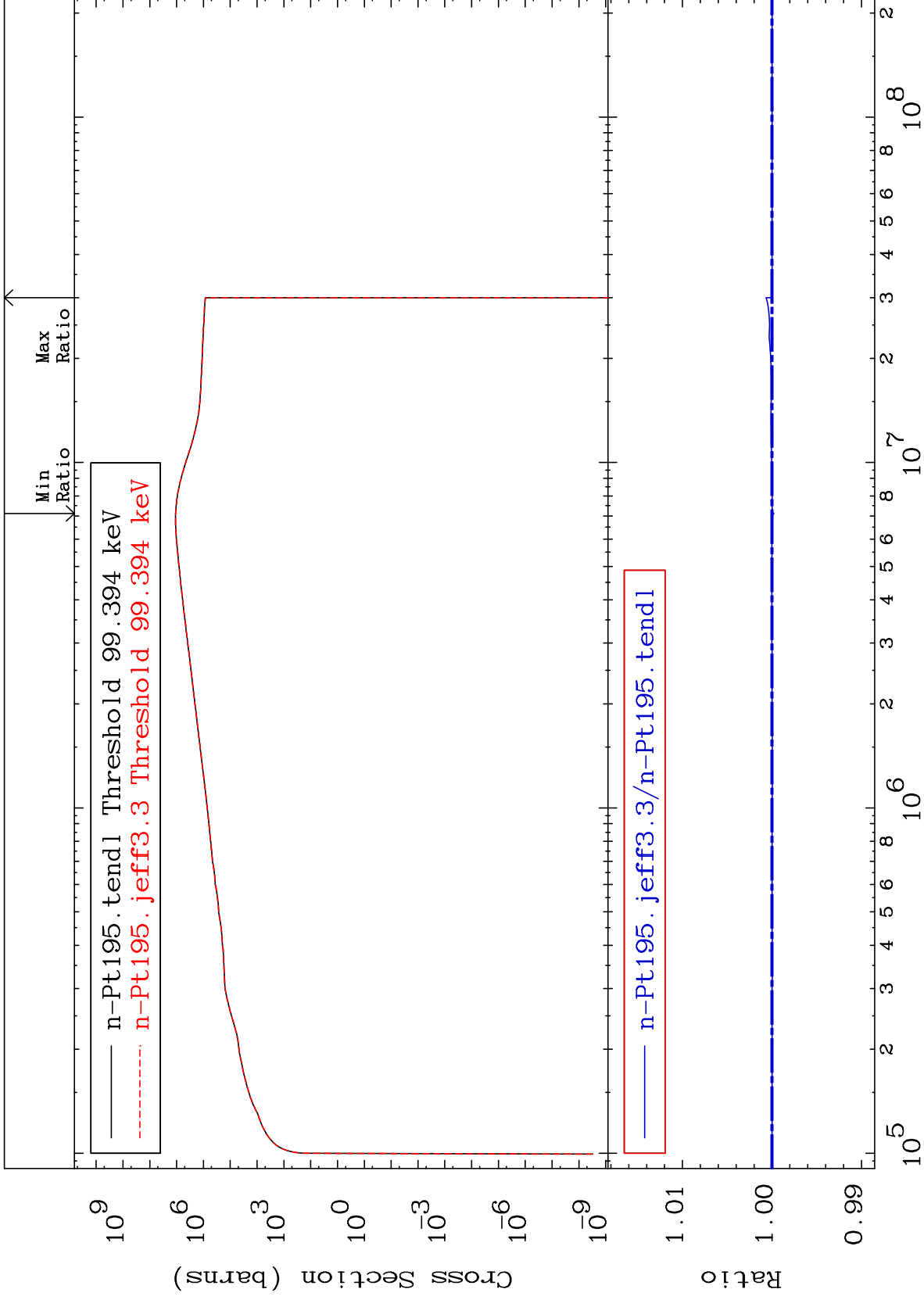
MAT 7840

Kerma elastic
Cross Section

78-Pt-195
-98.02 To 9094. %



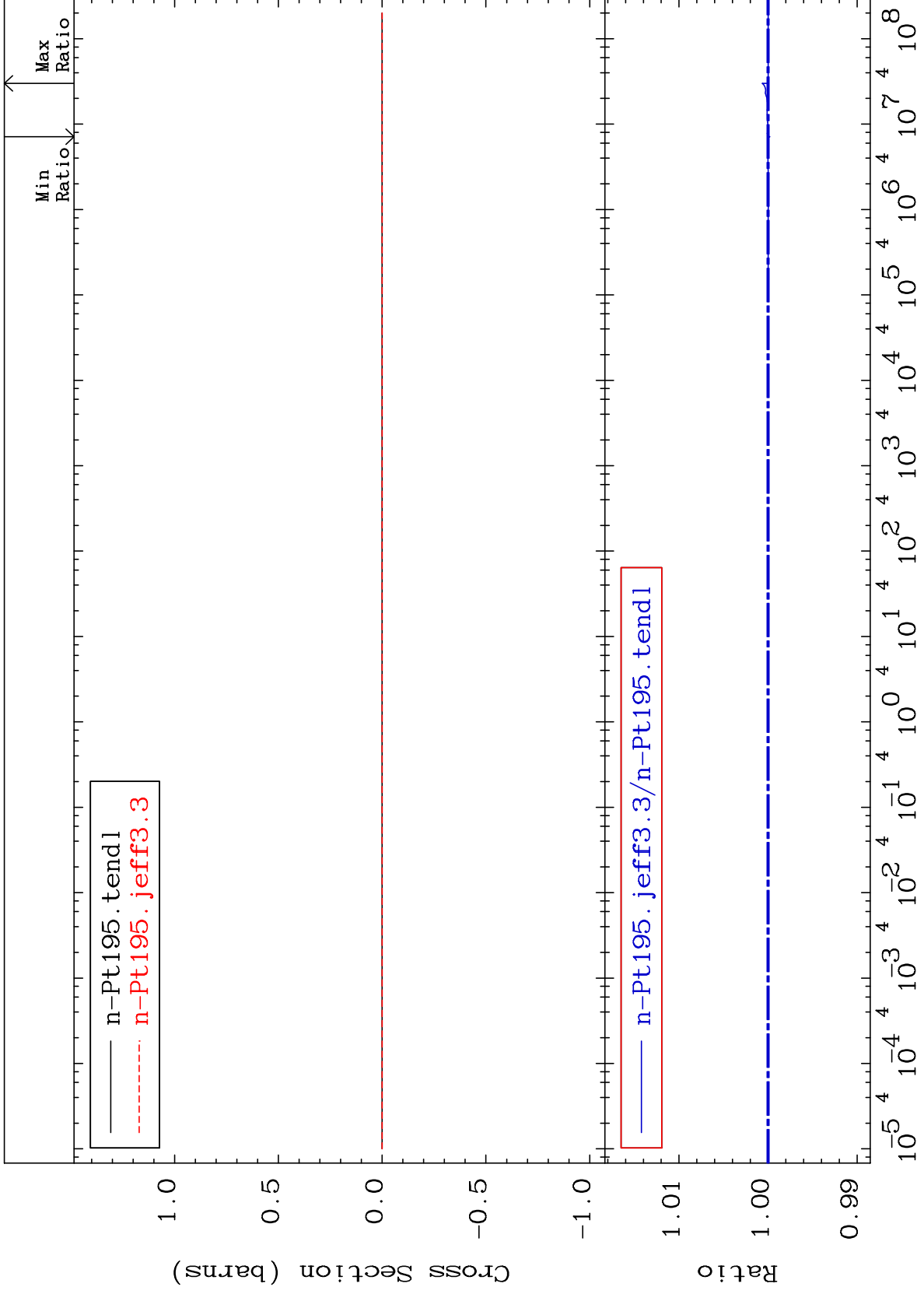


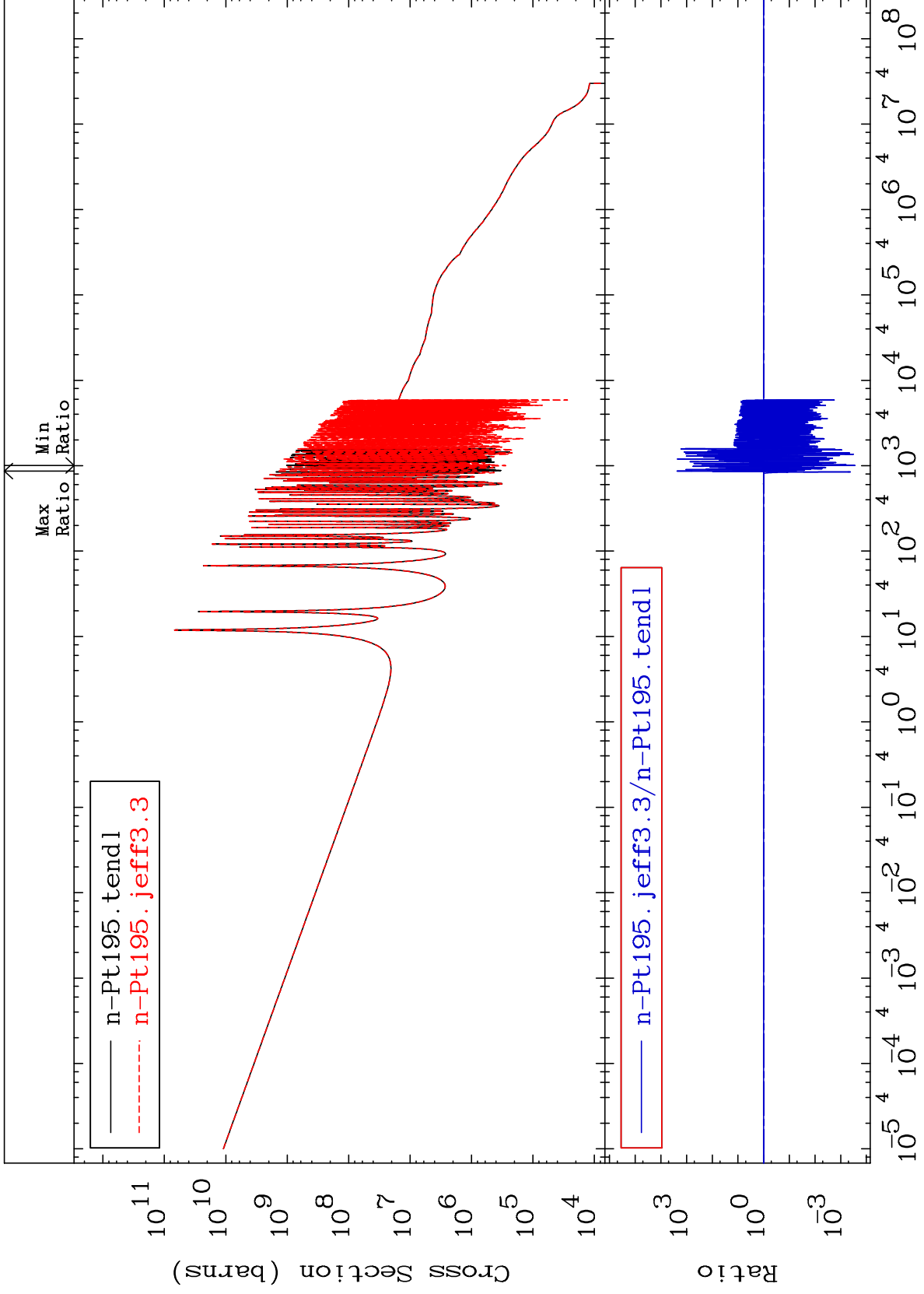


MAT 7840

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

78-Pt-195
-0.019 To 0.066 %

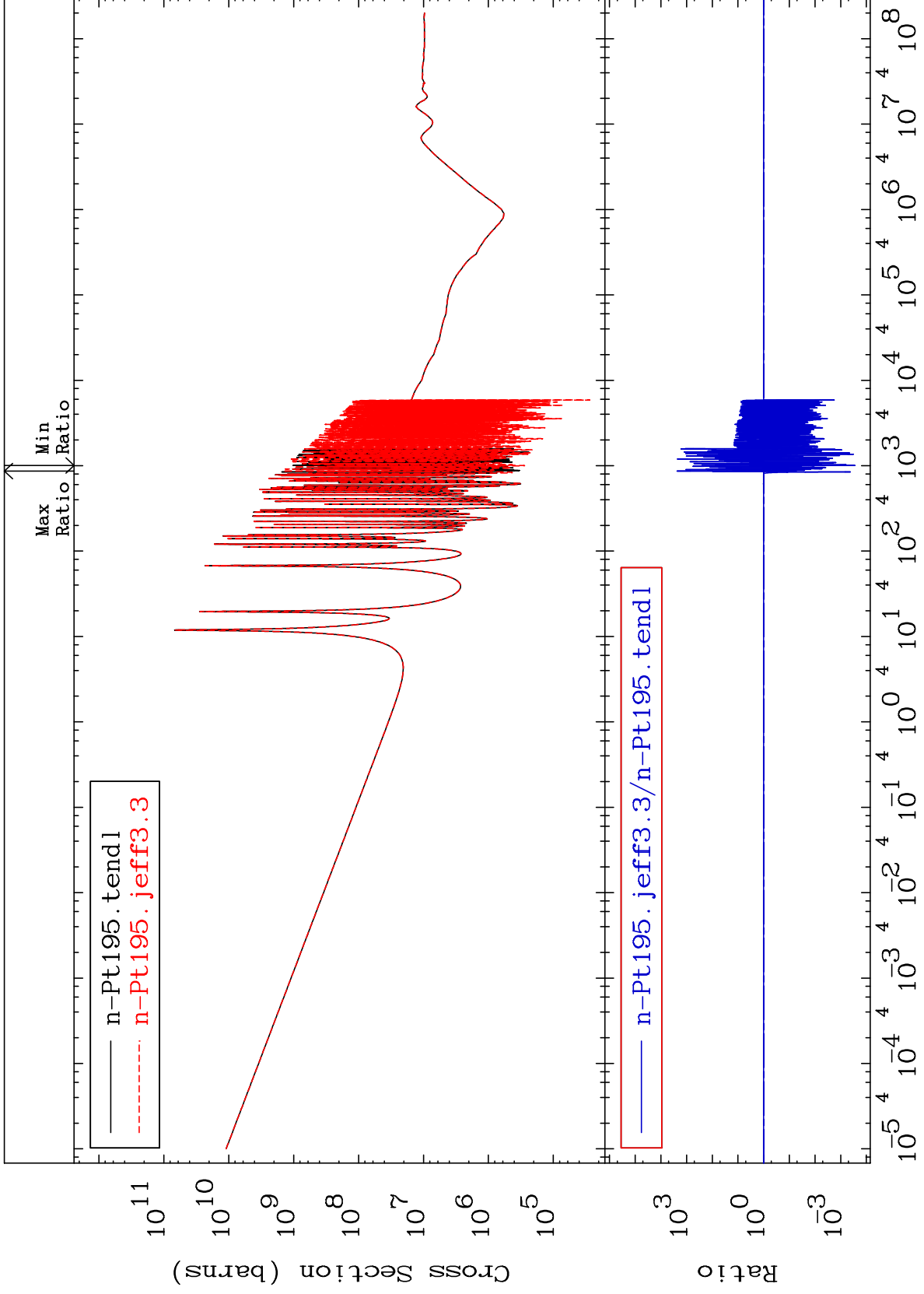




MAT 7840

Total photon (eV-barns)
Cross Section

78-Pt-195
-99.97 To 9999. %



59

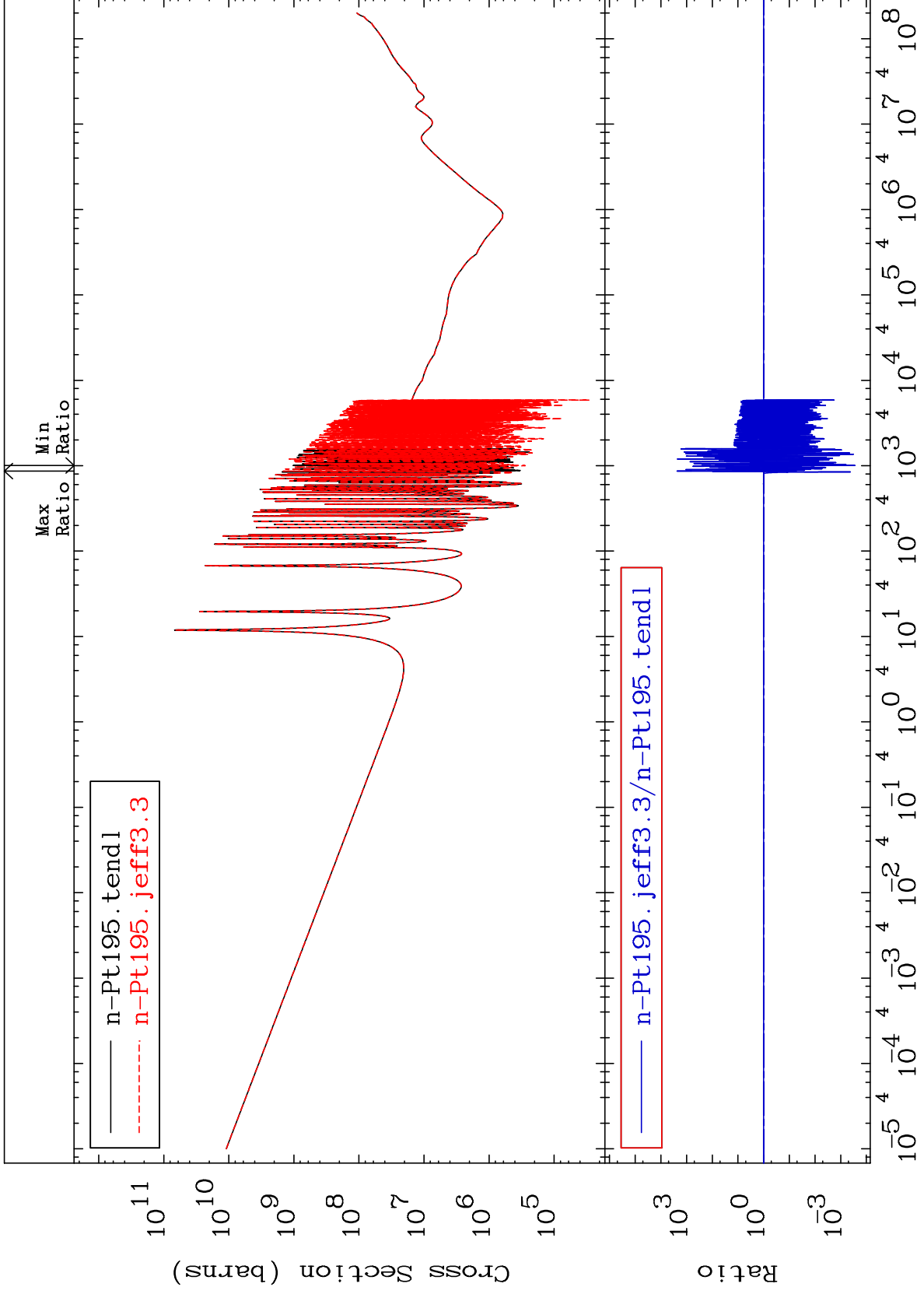
Incident Energy (eV)

78-Pt-195

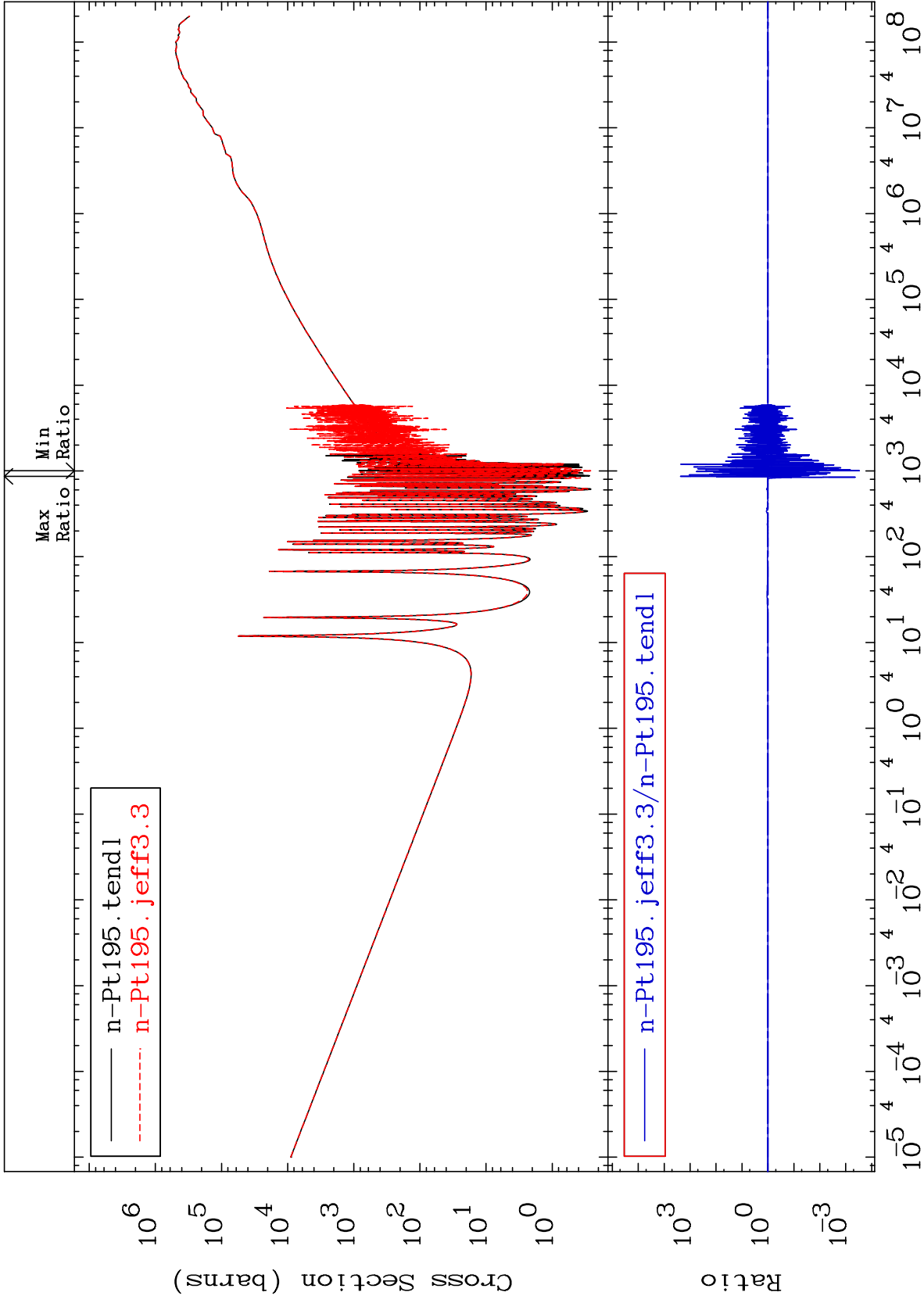
MAT 7840

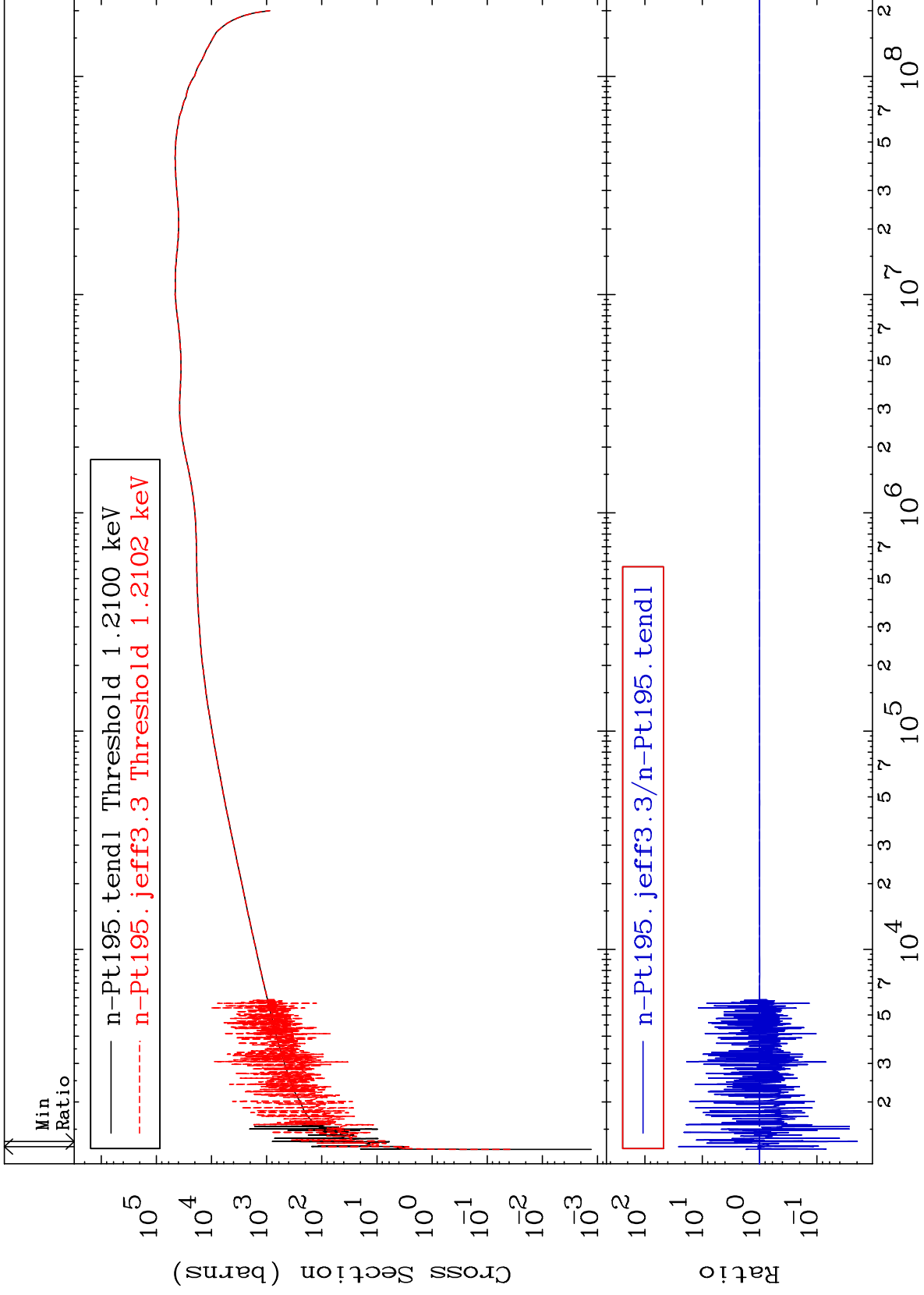
Total kinematic kerma (high limit)
Cross Section

78-Pt-195
-99.97 To 9999. %



78-Pt-195

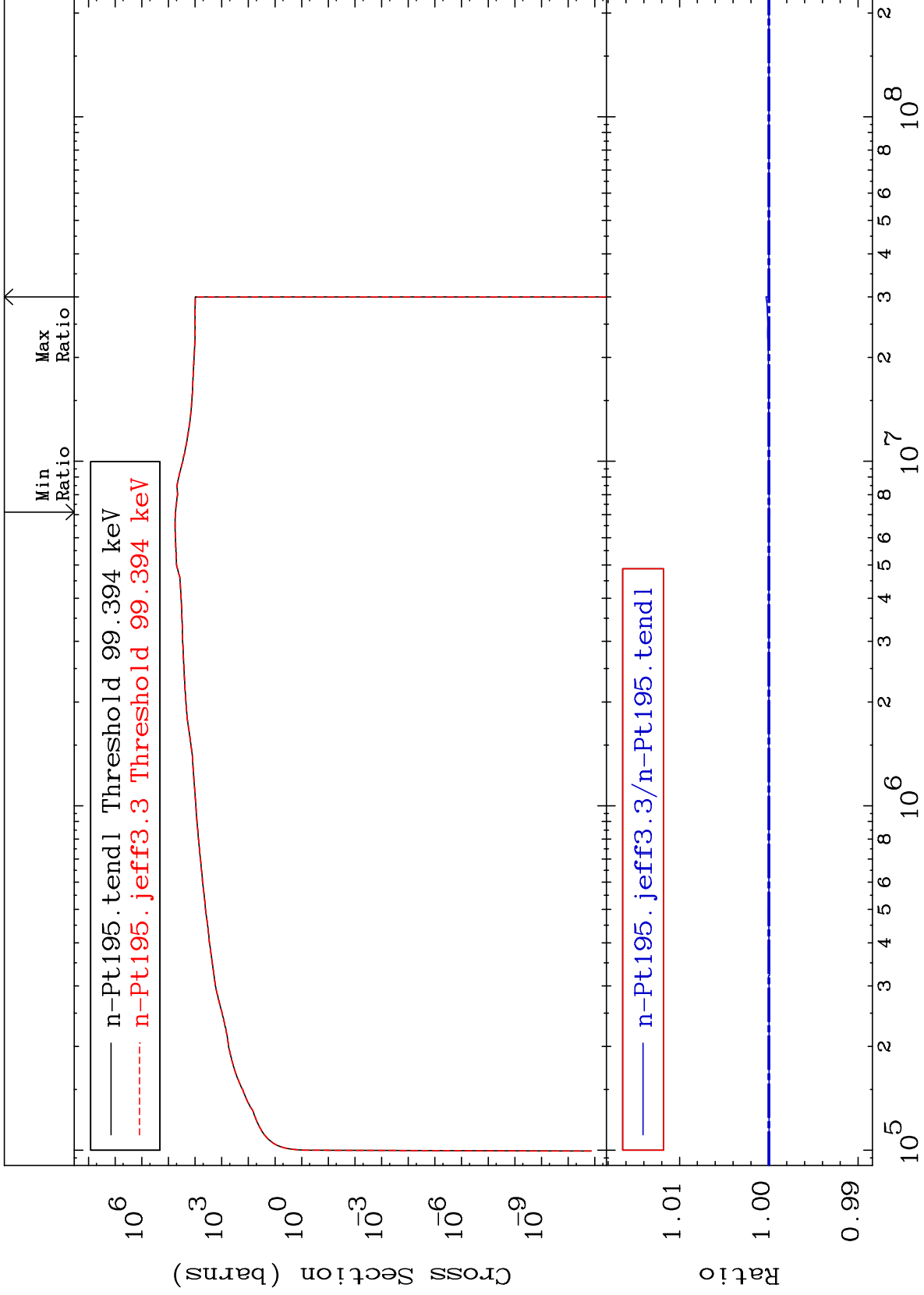




MAT 7840

Dpa inelastic (mt51-91)
Cross Section

78-Pt-195
-0.012 To 0.032 %



63

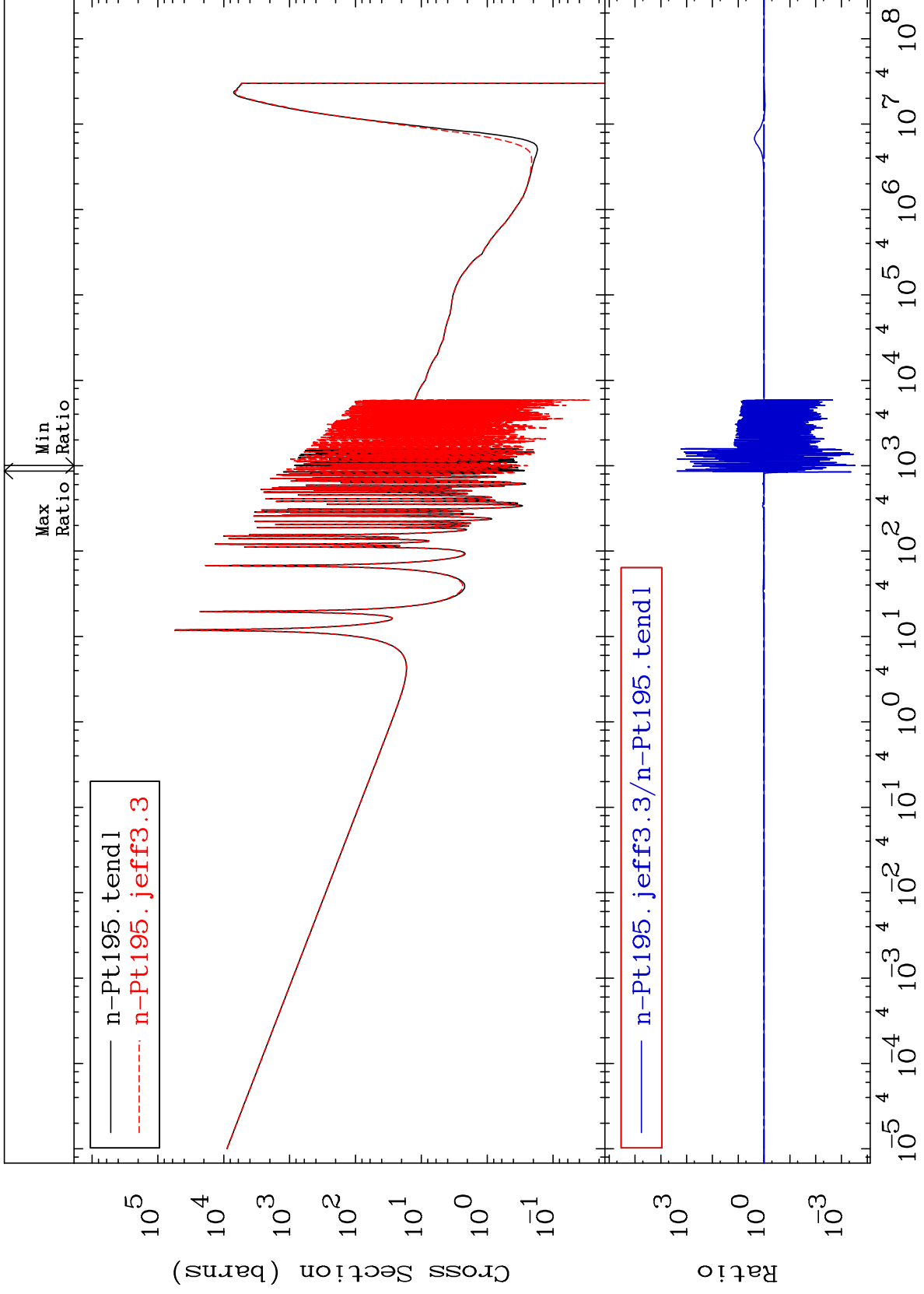
Incident Energy (eV)

78-Pt-195

MAT 7840

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-195
-99.97 To 9999. %

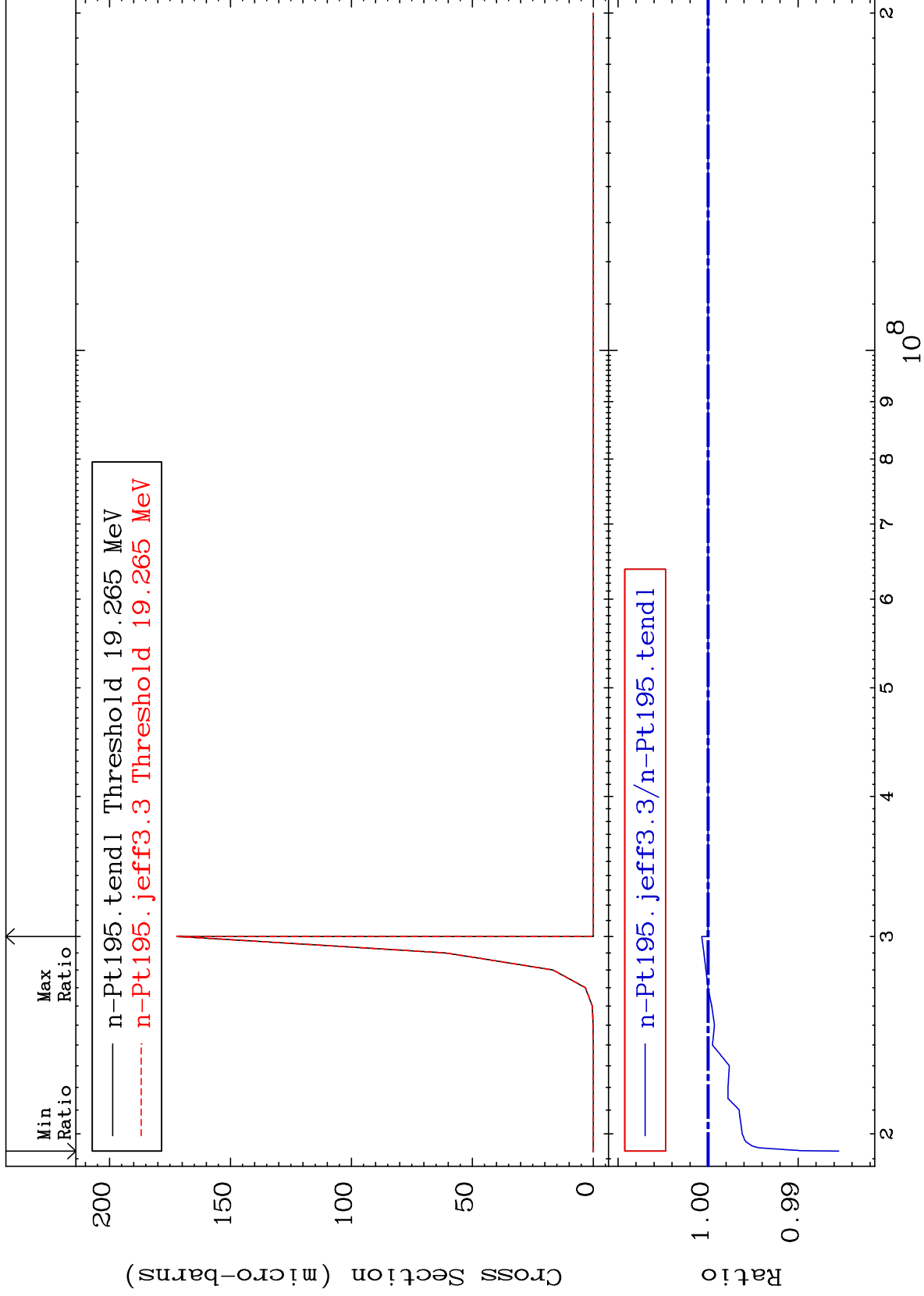


MAT 7840

(n,2n) d:77-Ir-192g

78-Pt-195

Radionuclide Production Cross Section -1.451 To 0.071 %



65

Incident Energy (eV)

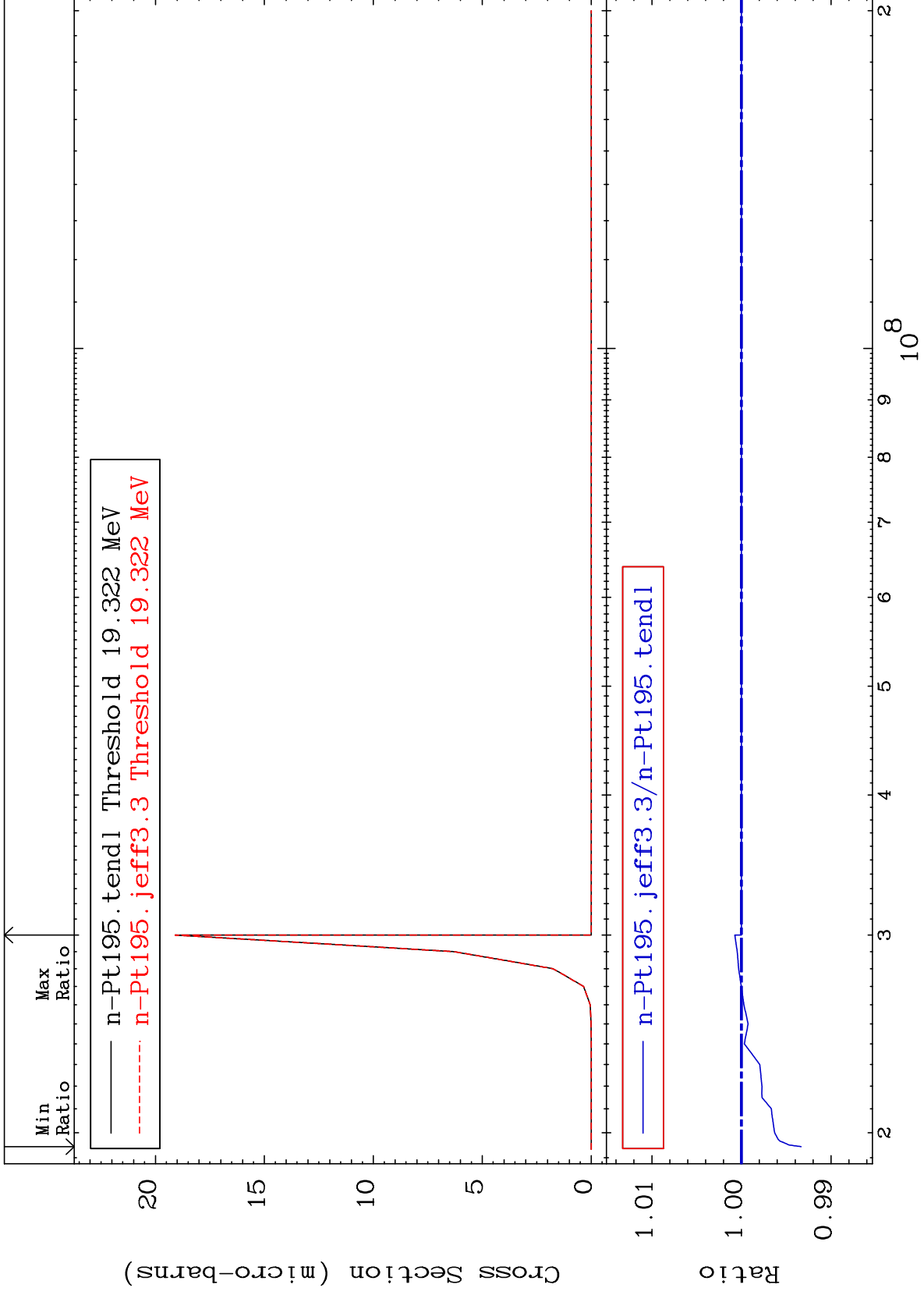
78-Pt-195

MAT 7840

(n,2n) d:77-Ir-192m3

78-Pt-195

Radionuclide Production Cross Section -0.666 To 0.074 %

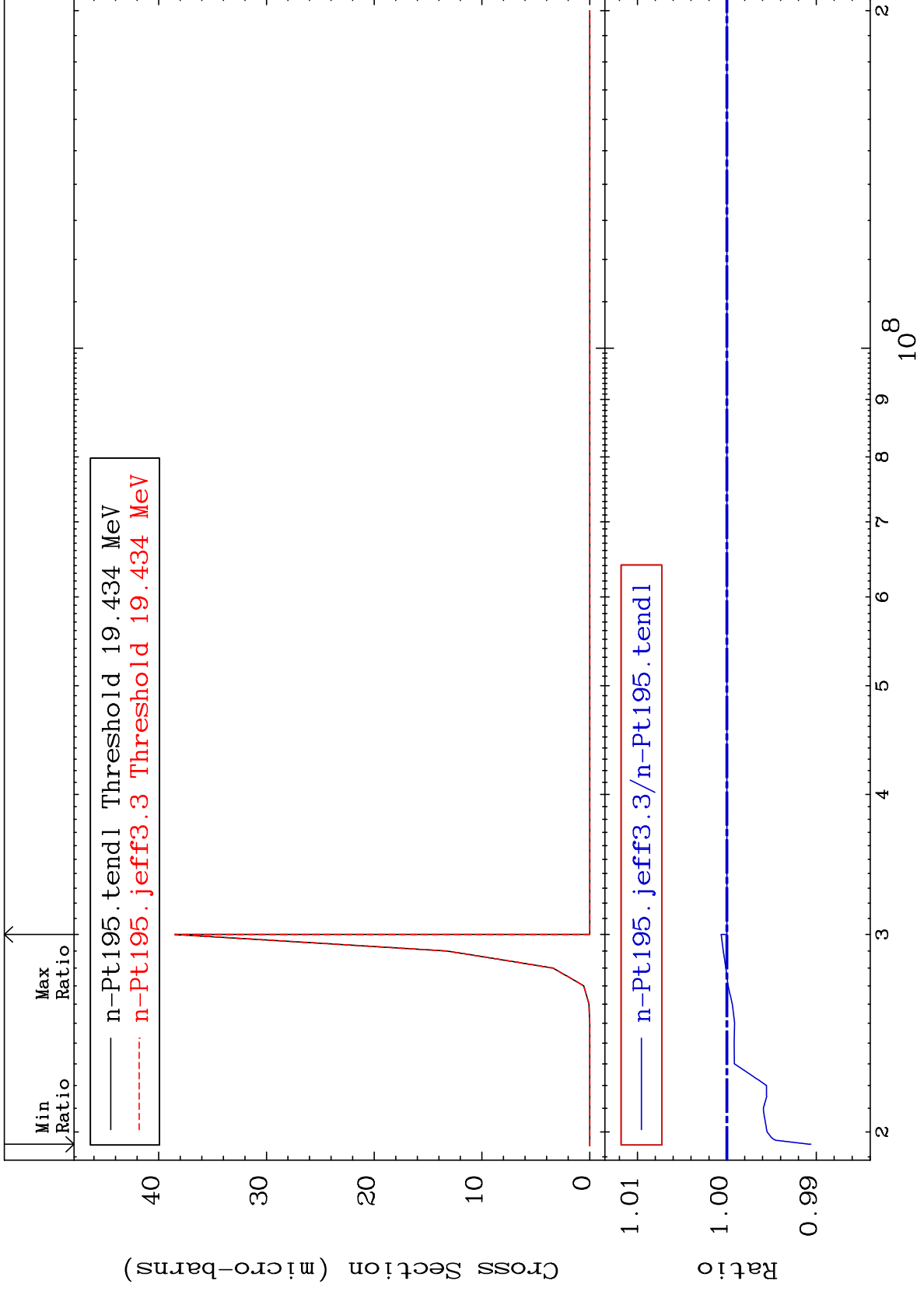


MAT 7840

(n,2n) d:77-Ir-192m15

78-Pt-195

Radionuclide Production Cross Section -0.939 To 0.064 %

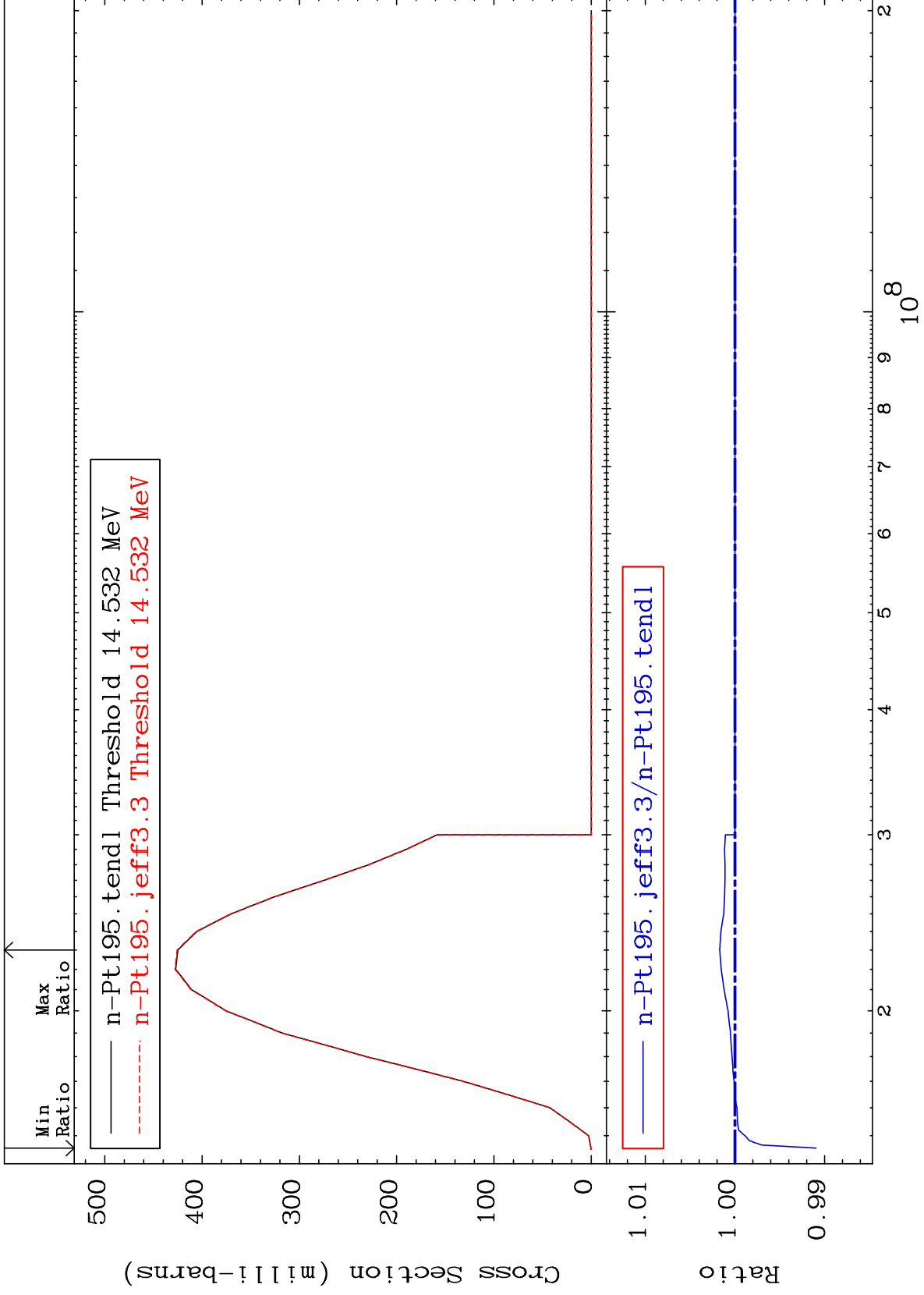


MAT 7840

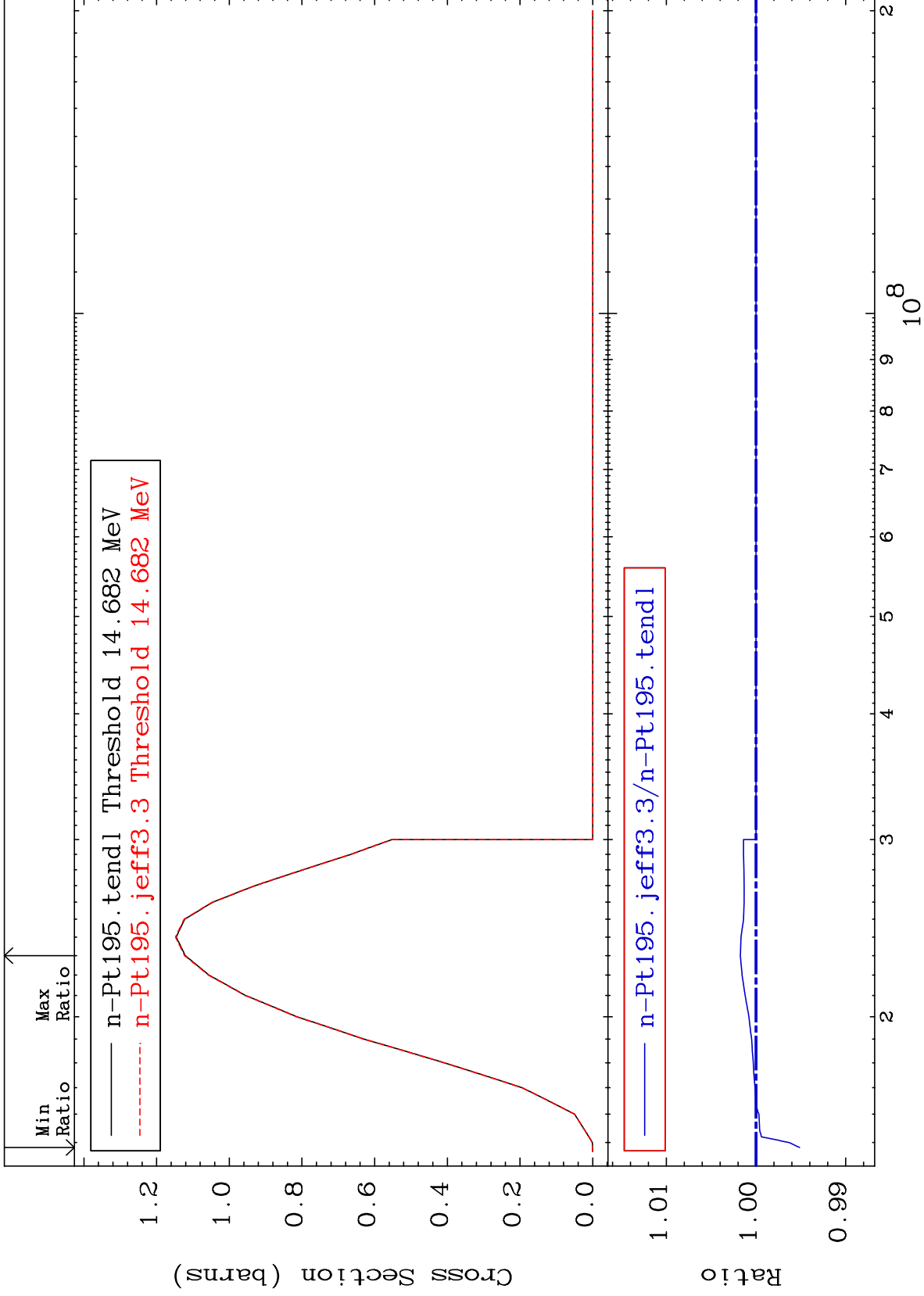
(n,3n):78-Pt-193g

78-Pt-195

Radionuclide Production Cross Section -0.906 To 0.170 %



Radionuclide Production Cross Section -0.485 To 0.175 %



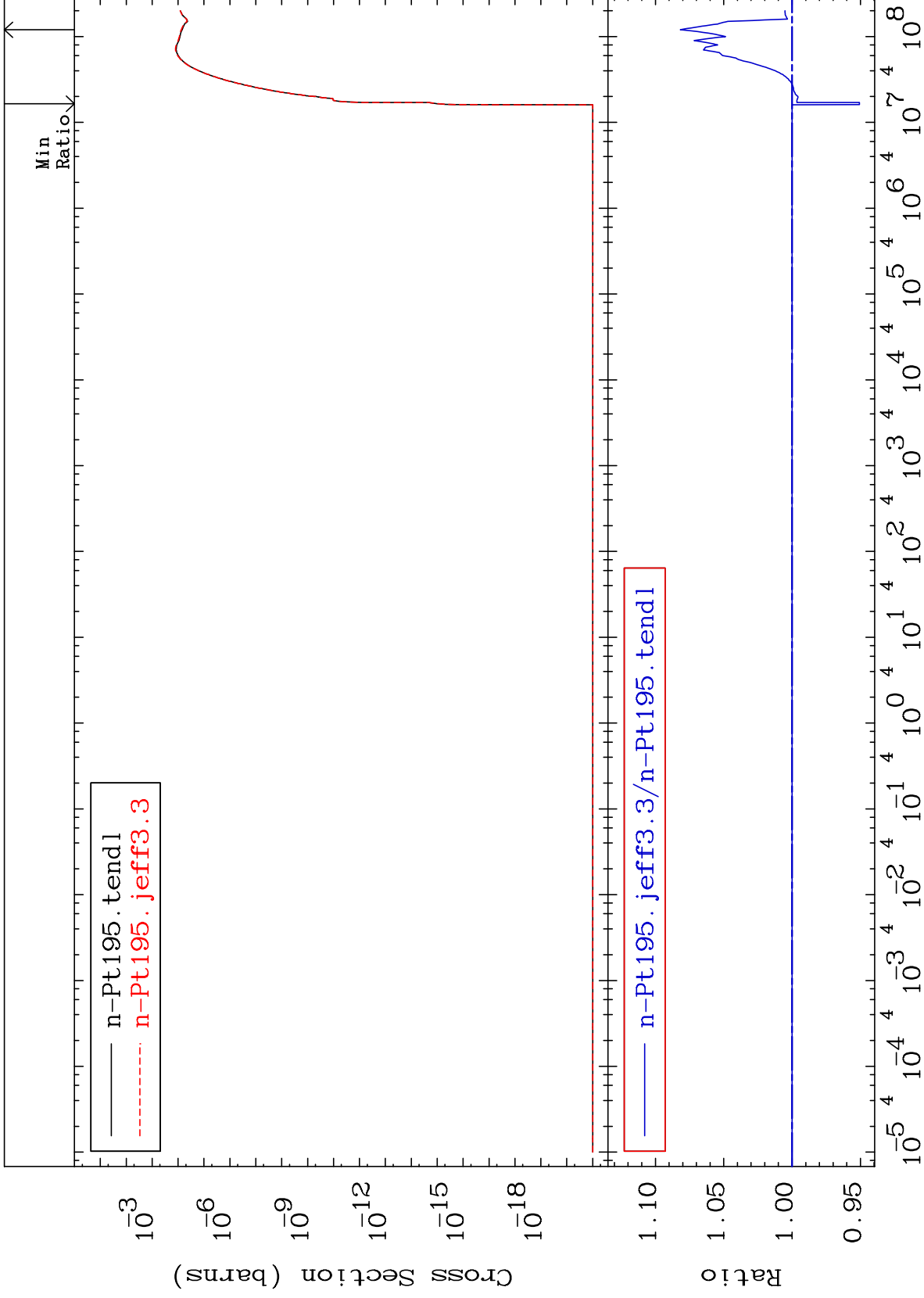
MAT 7840

Fission: Photon

78-Pt-195

Radionuclide Production Cross Section

-4.929 To 8.174 %



70

Incident Energy (eV)

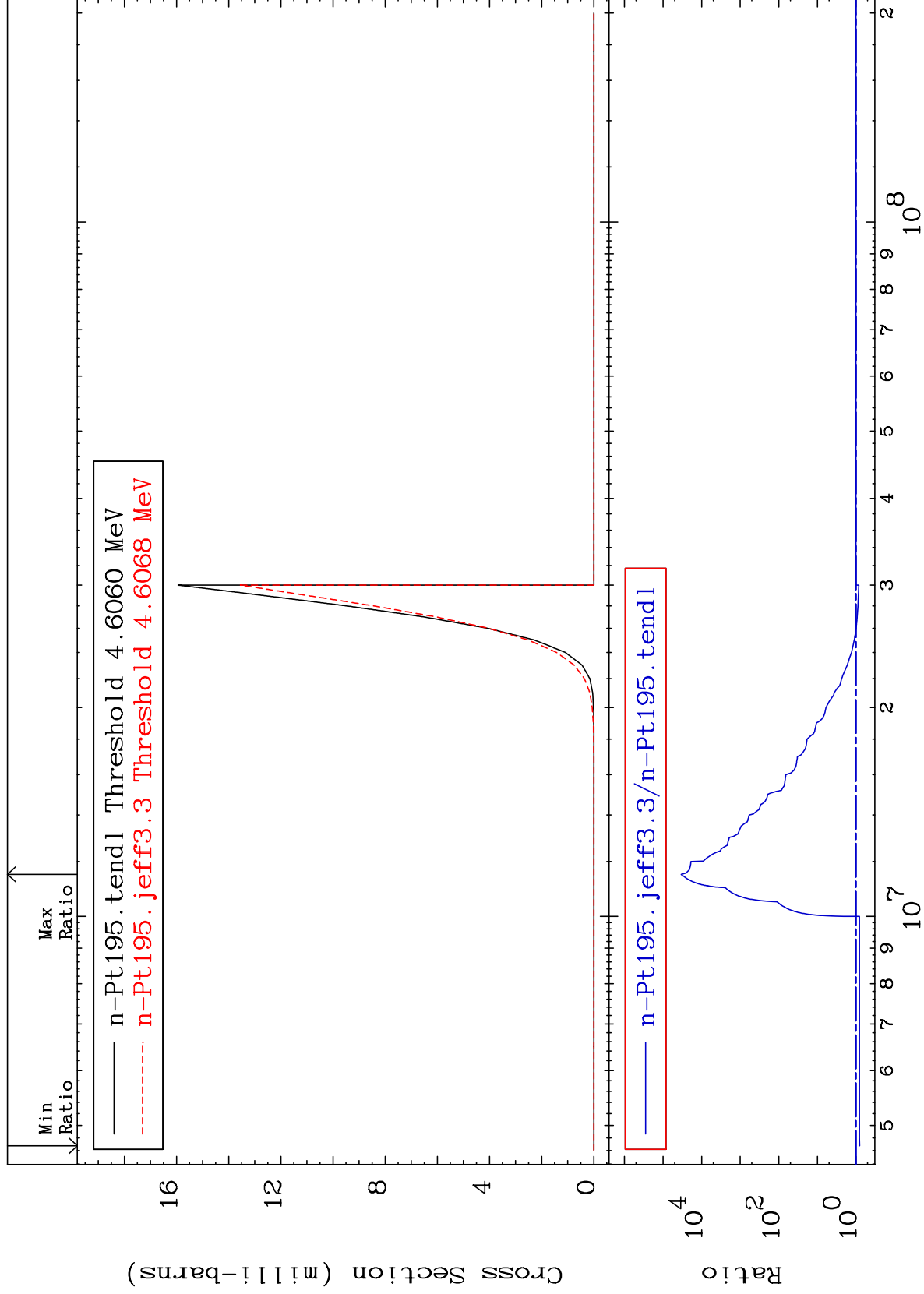
78-Pt-195

MAT 7840

78-Pt-195

(n,2n) α : 76-0s-190g

Radionuclide Production Cross Section -19.64 To 9999. %



71

Incident Energy (eV)

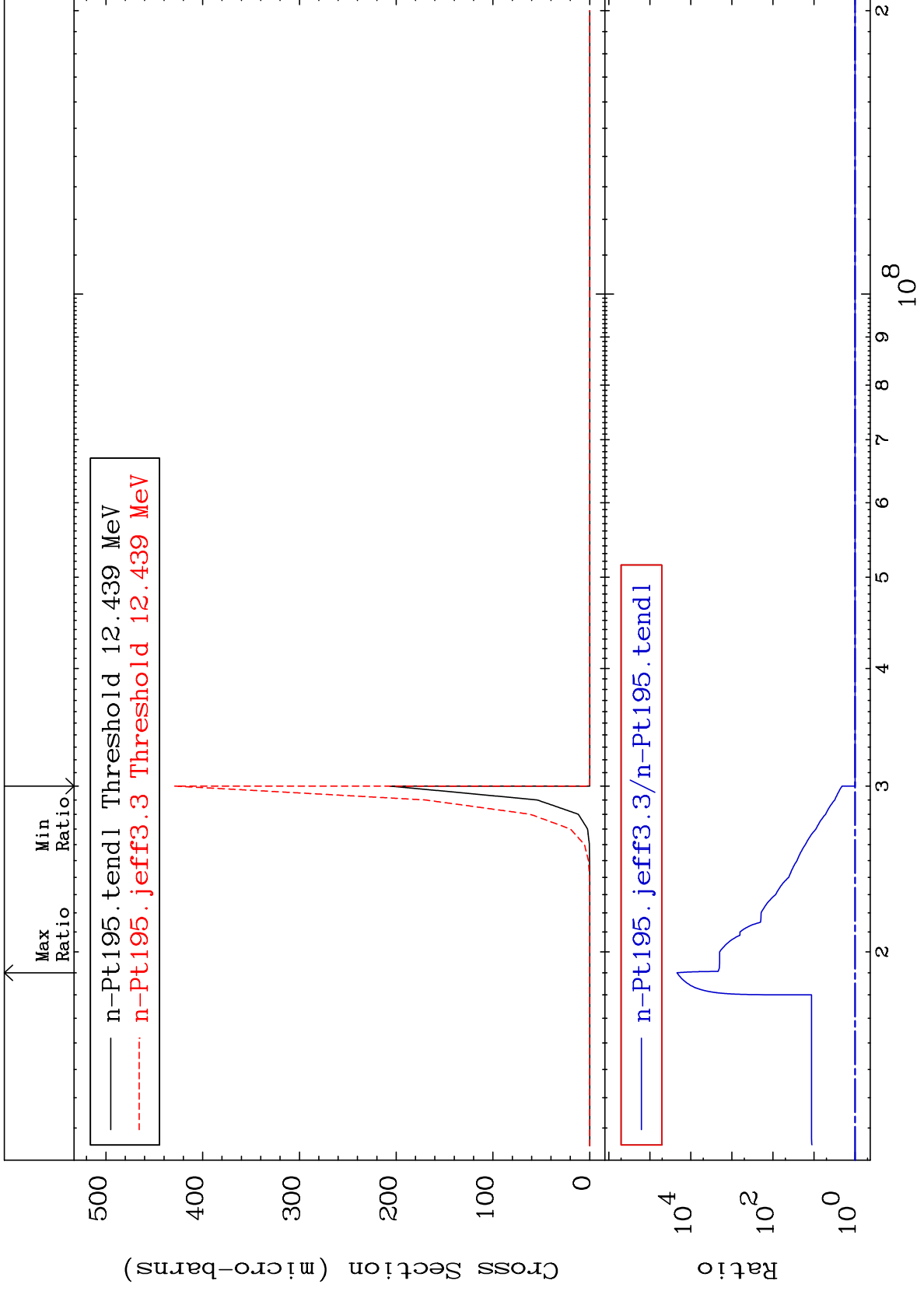
78-Pt-195

MAT 7840

(n,3n) α : 76-Os-189g

78-Pt-195
To 9999. %

Radionuclide Production Cross Section 0.000

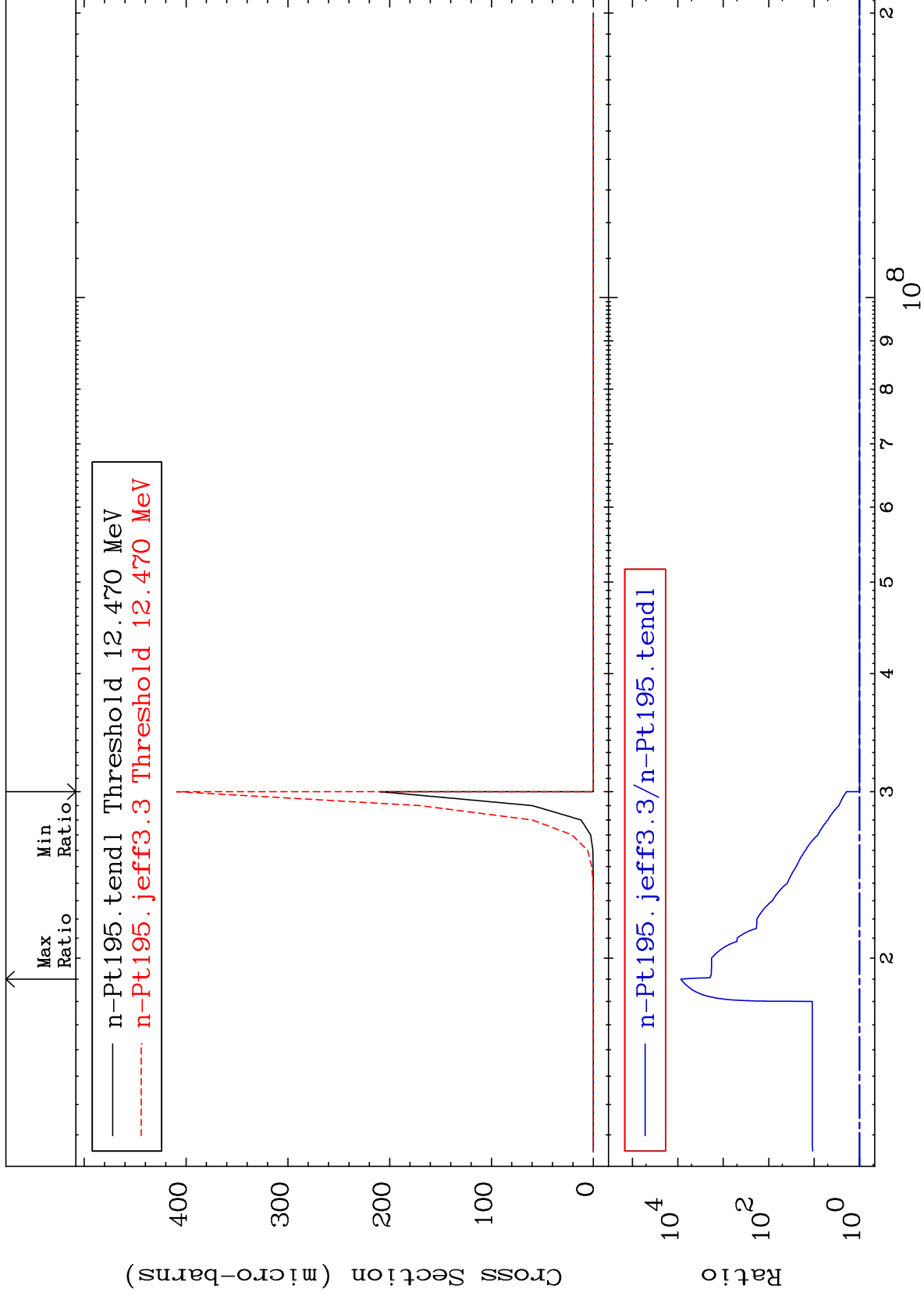


MAT 7840

(n,3n) α : 76-0s-189m1

78-Pt-195

Radionuclide Production Cross Section 0.000 To 9999. %



73

Incident Energy (eV)

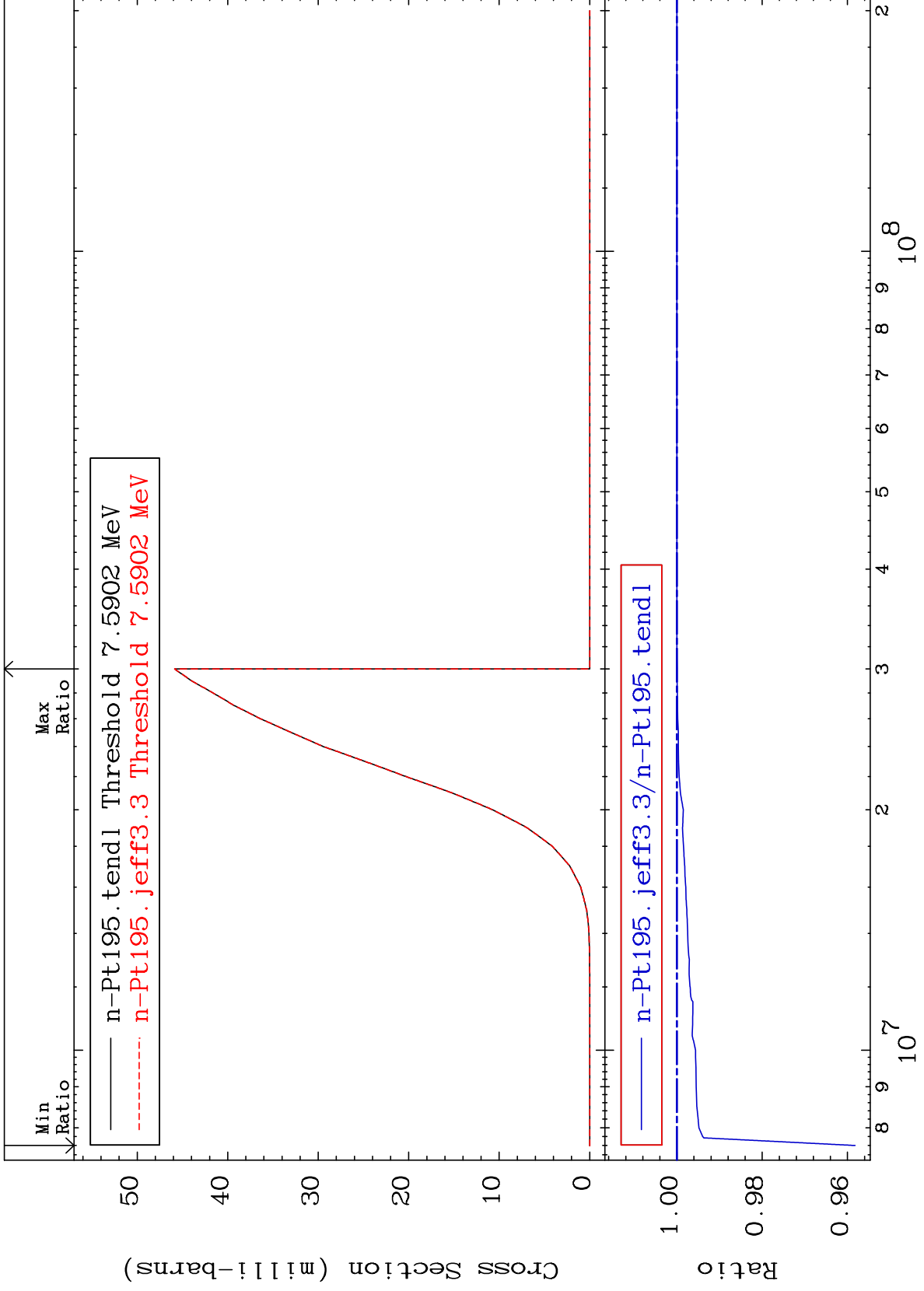
78-Pt-195

MAT 7840

(n, n') p: 77-Ir-194g

78-Pt-195

Radionuclide Production Cross Section -4.178 To 0.000 %



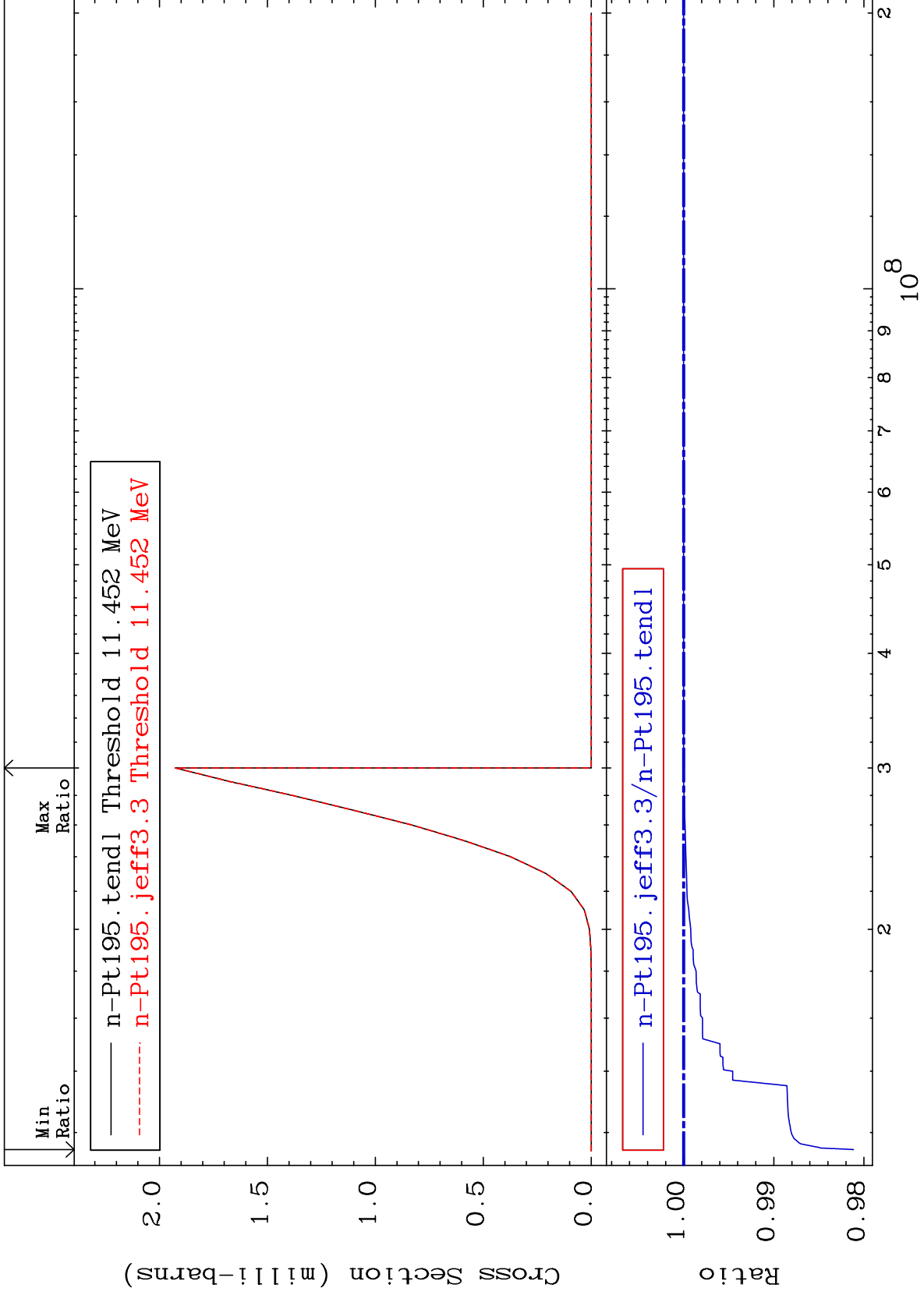
74

Incident Energy (eV)

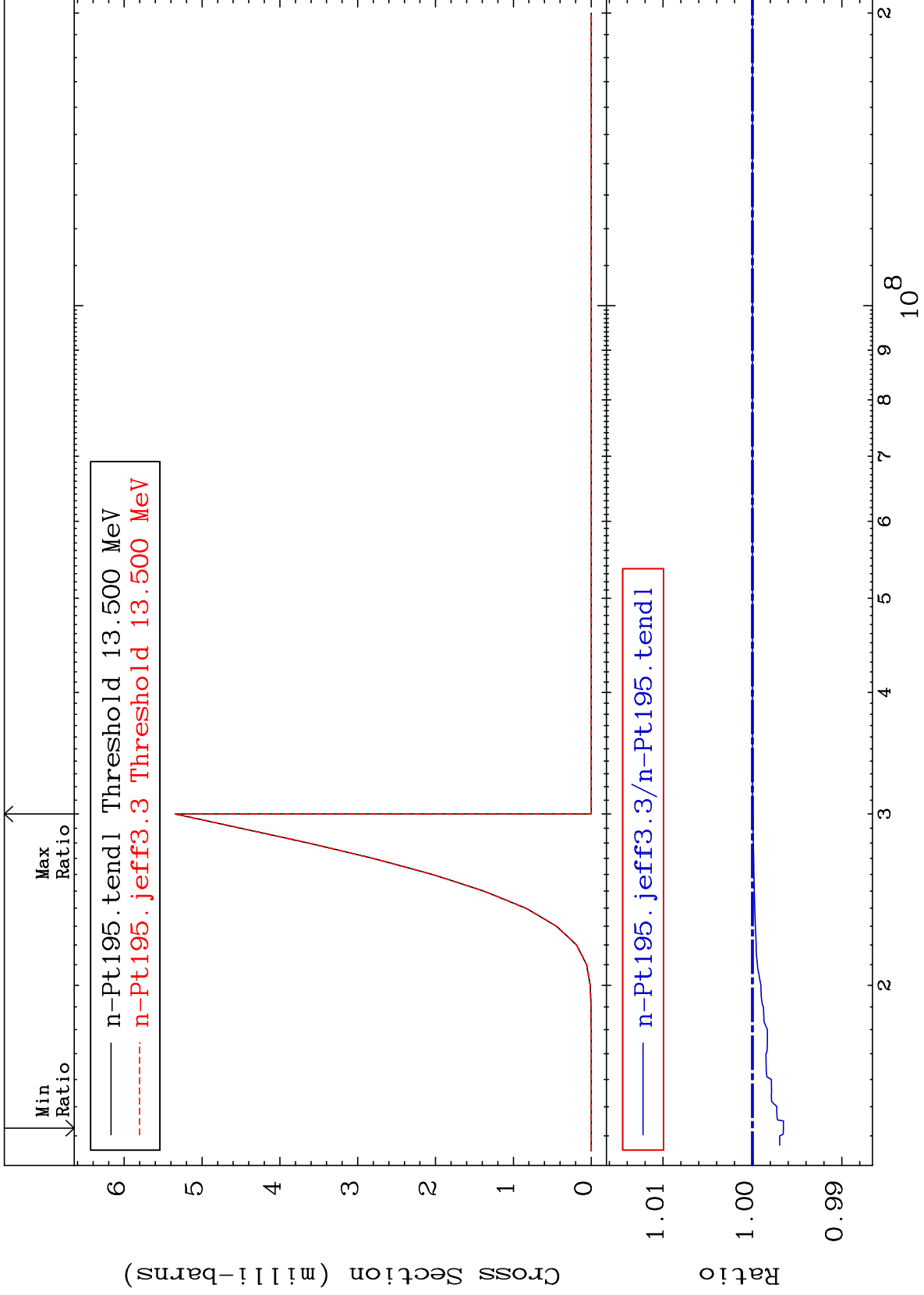
78-Pt-195

Radionuclide Production Cross Section

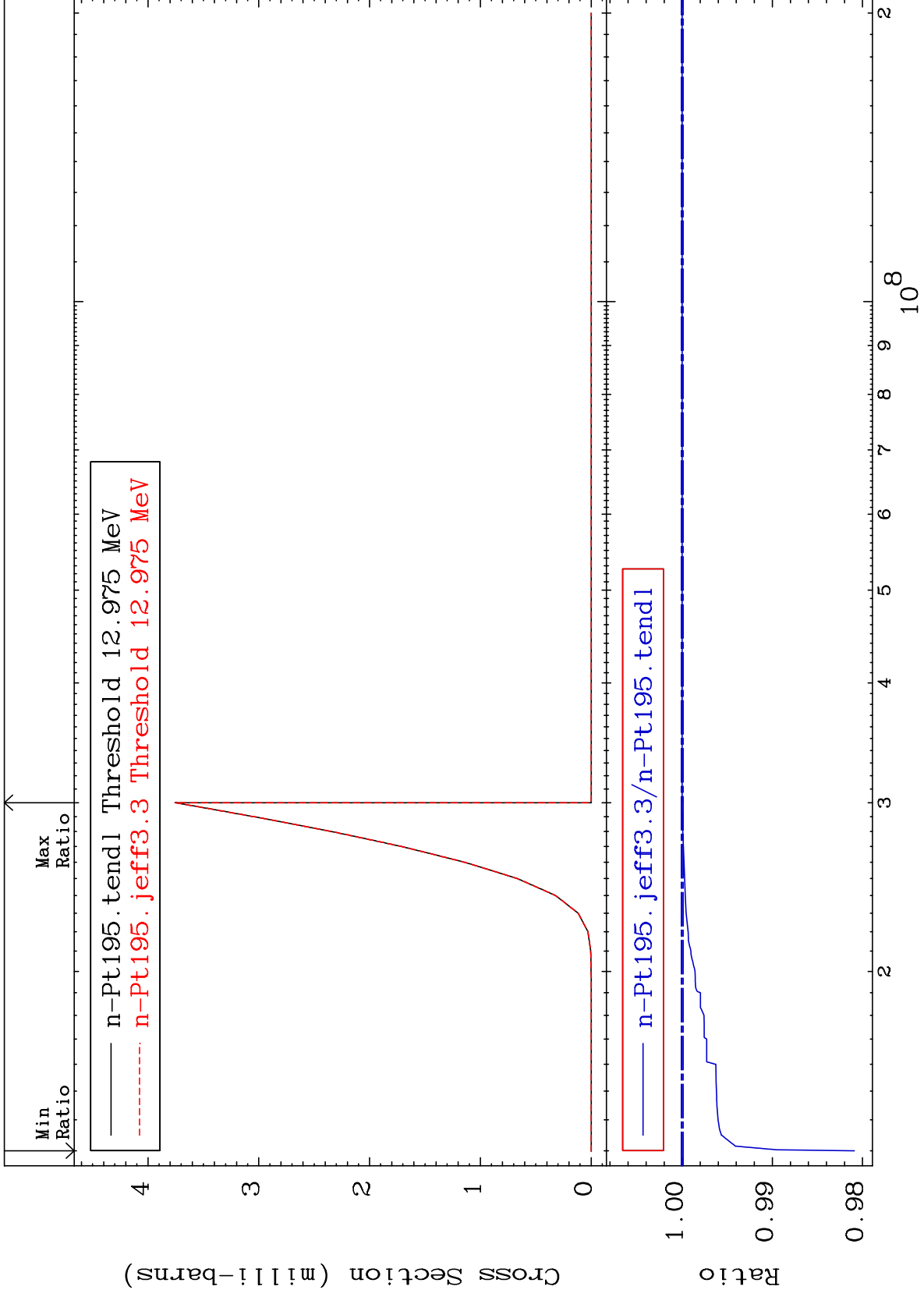
-1.874 To 0.005 %



Radionuclide Production Cross Section -0.347 To 0.000 %



Radionuclide Production Cross Section -1.908 To 0.006 %

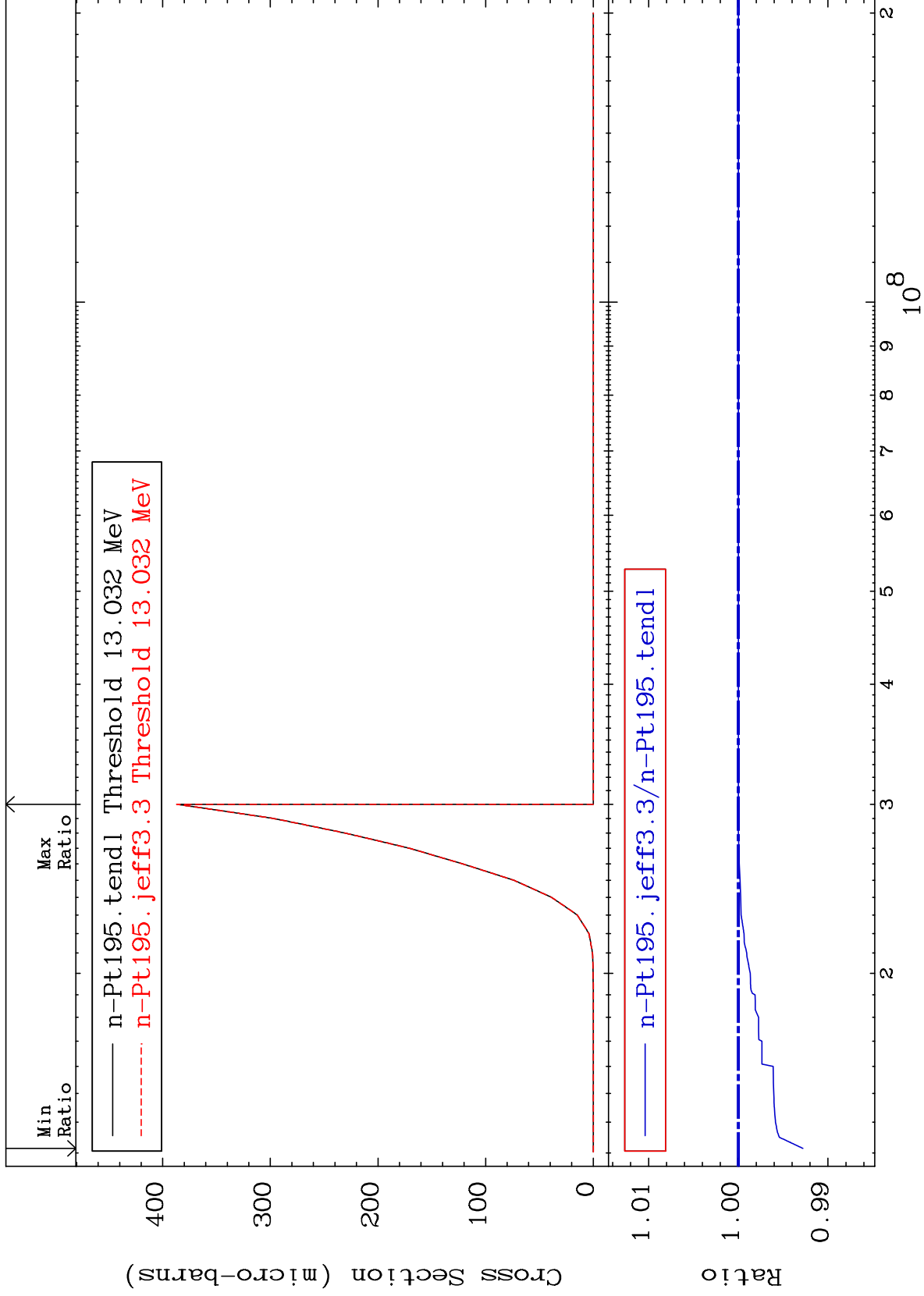


MAT 7840

(n, n') t: 77-Ir-192m3

78-Pt-195

Radionuclide Production Cross Section -0.721 To 0.010 %

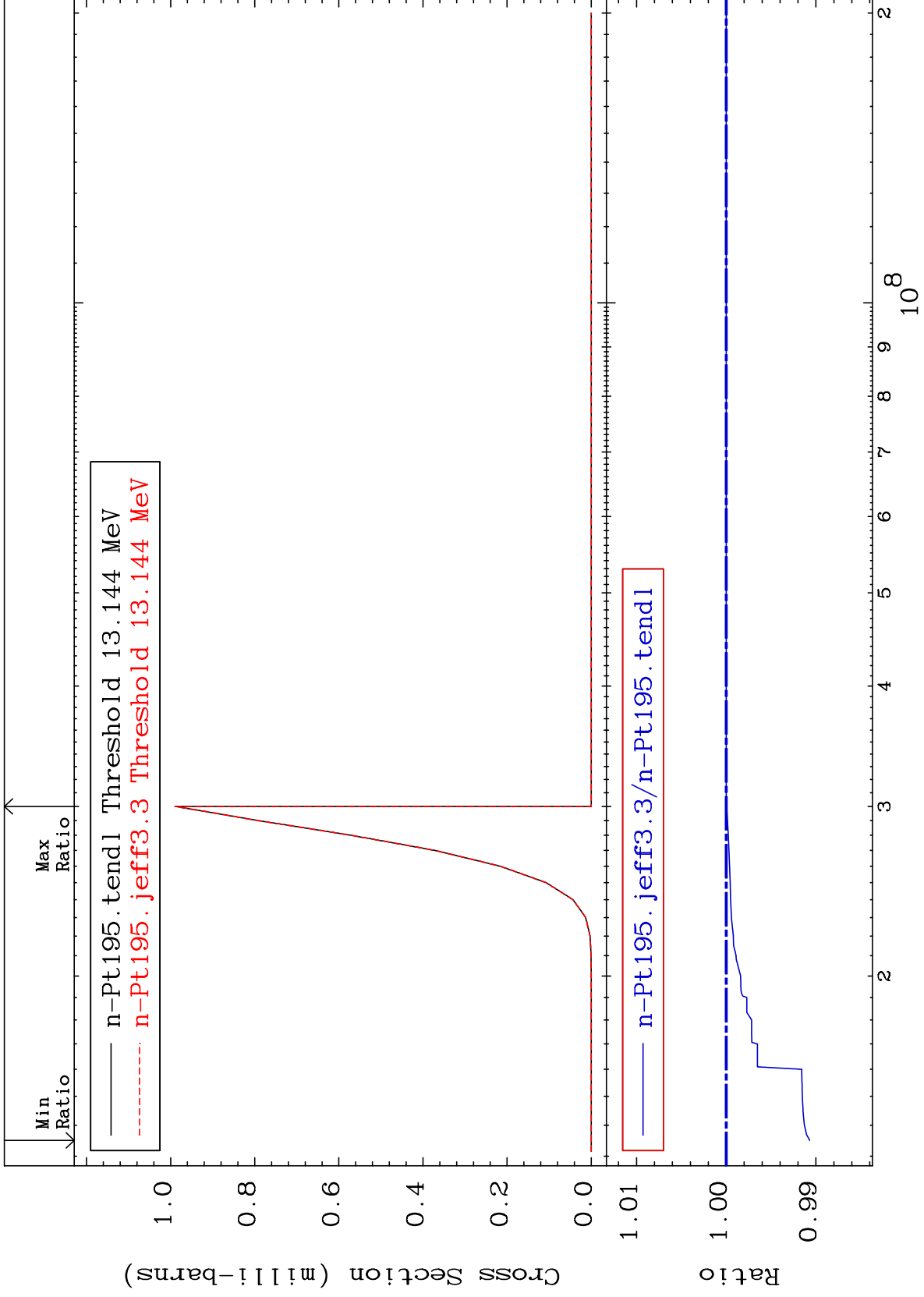


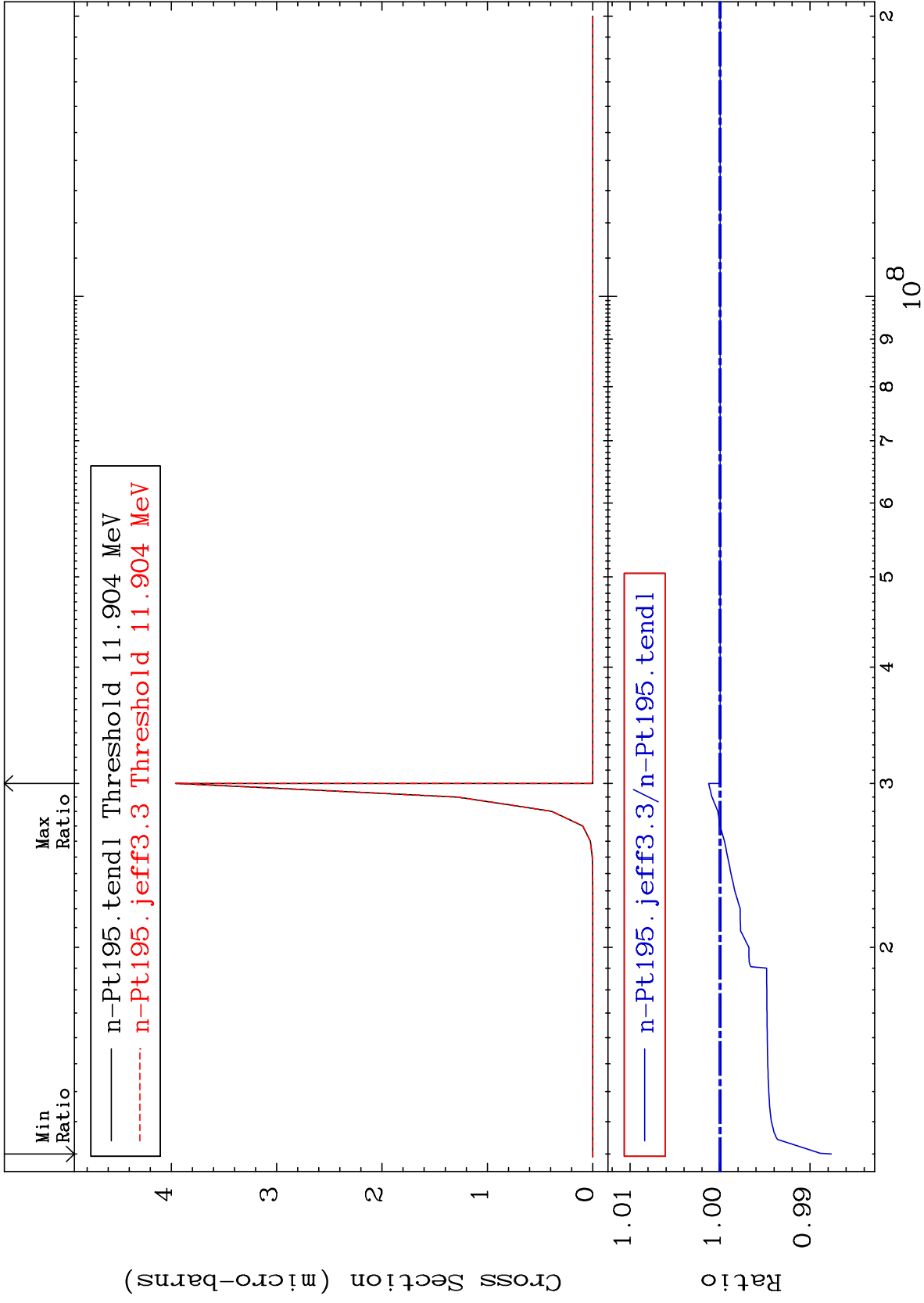
78

Incident Energy (eV)

78-Pt-195

Radionuclide Production Cross Section -0.930 To 0.000 %



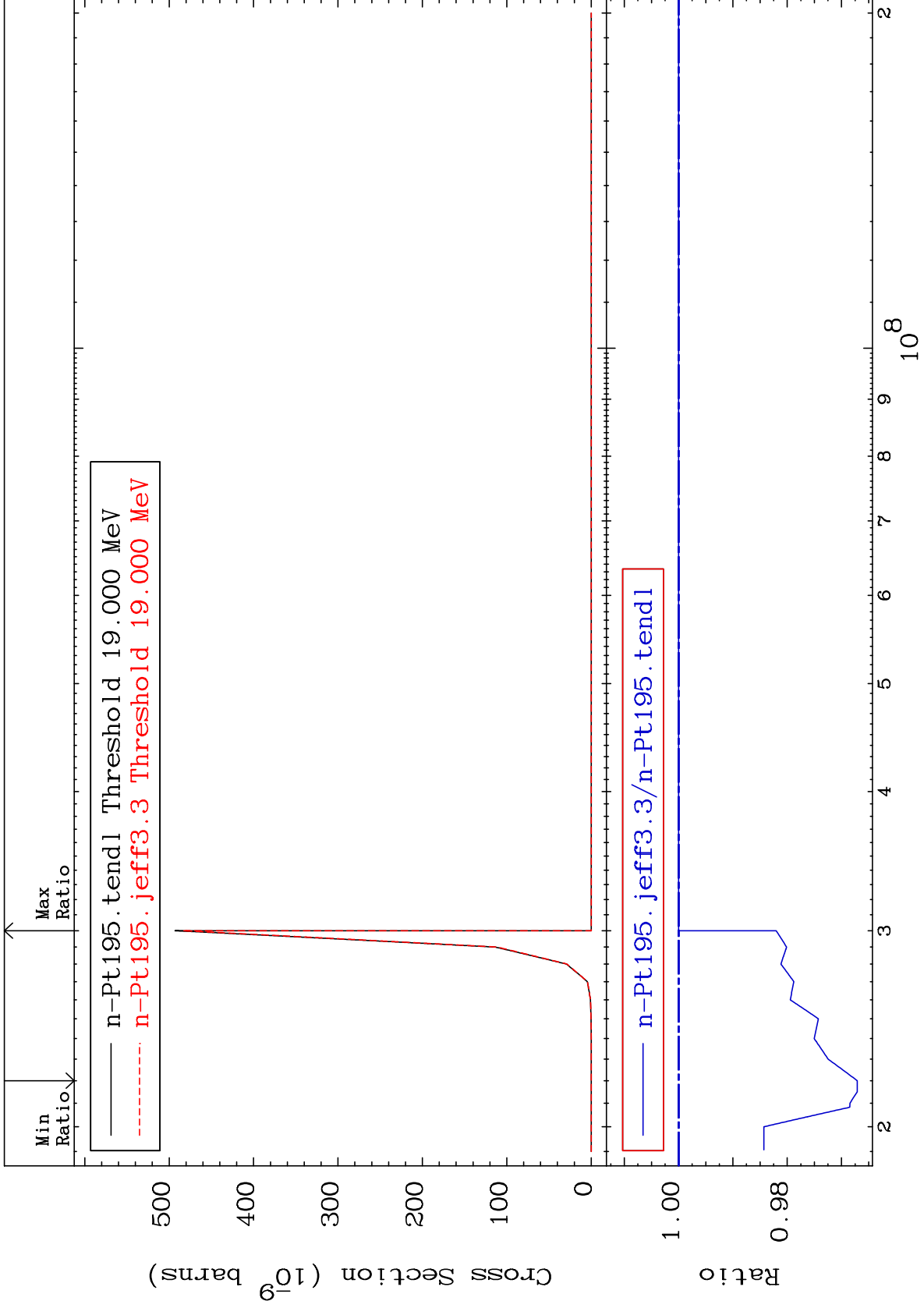


MAT 7840

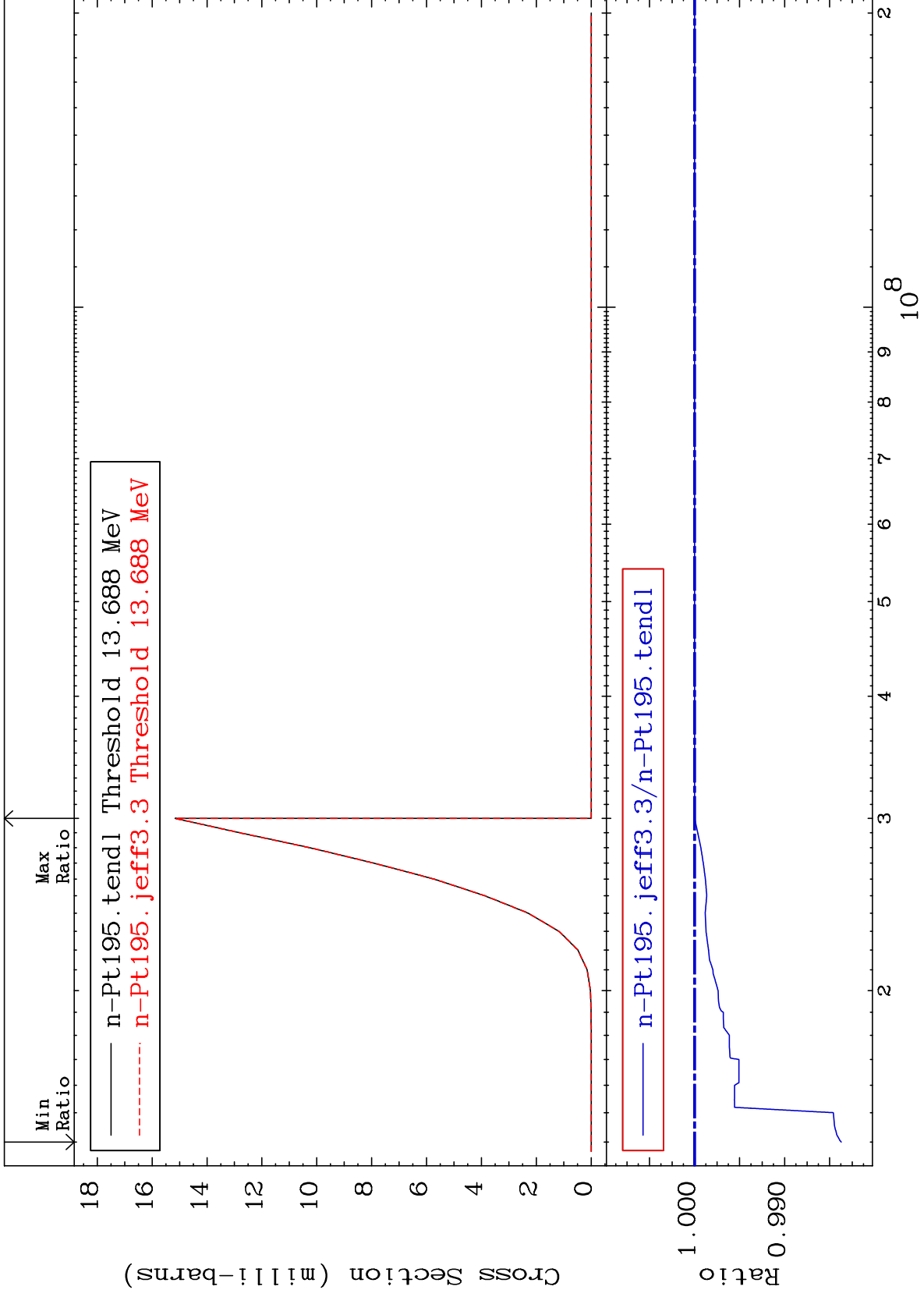
(n, n') He-3:76-0s-192m10

78-Pt-195

Radionuclide Production Cross Section -3.290 To 0.000 %



Radionuclide Production Cross Section -1.629 To 0.000 %

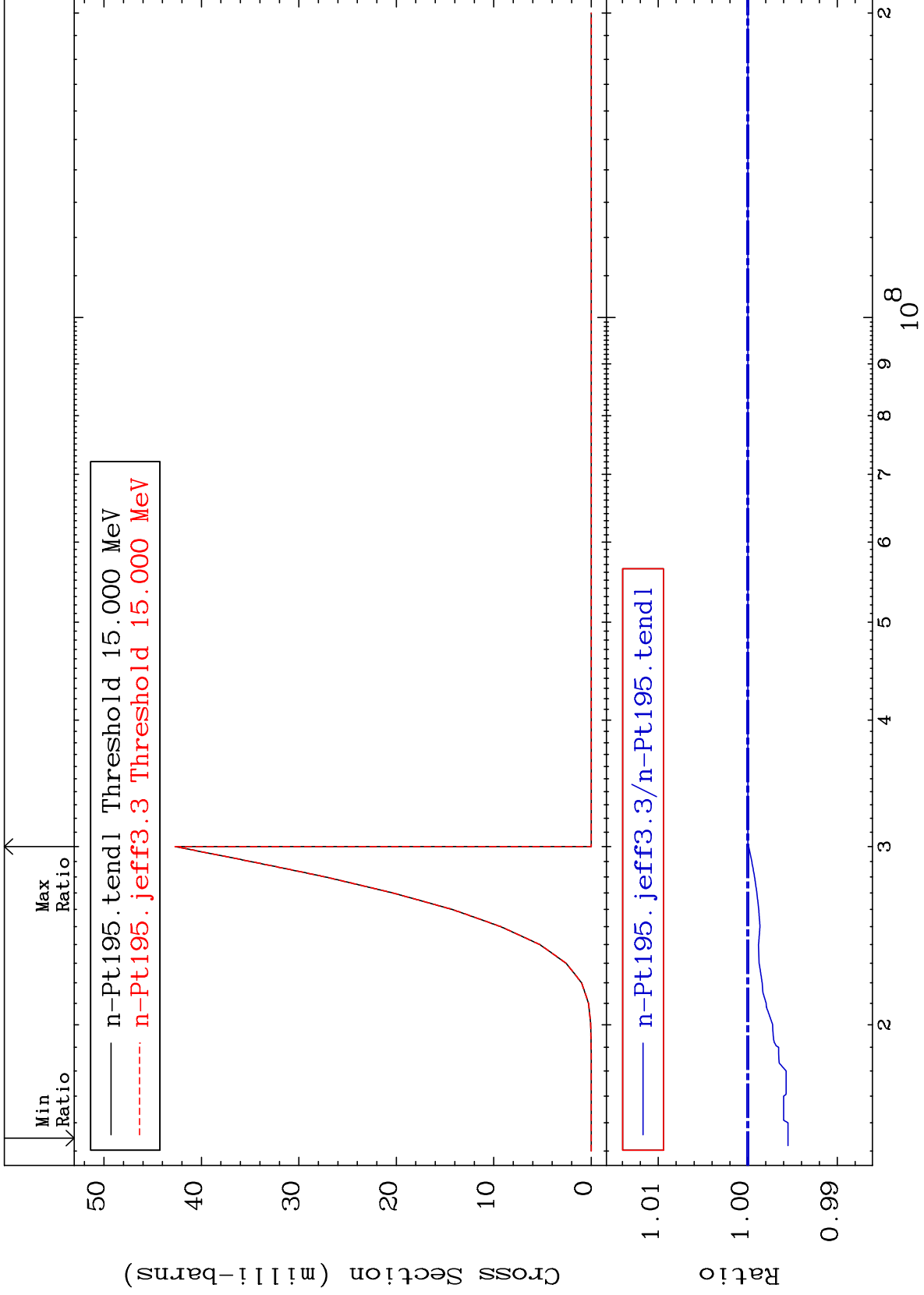


MAT 7840

(n,2n) p:77-Ir-193m2

78-Pt-195

Radionuclide Production Cross Section -0.450 To 0.000 %



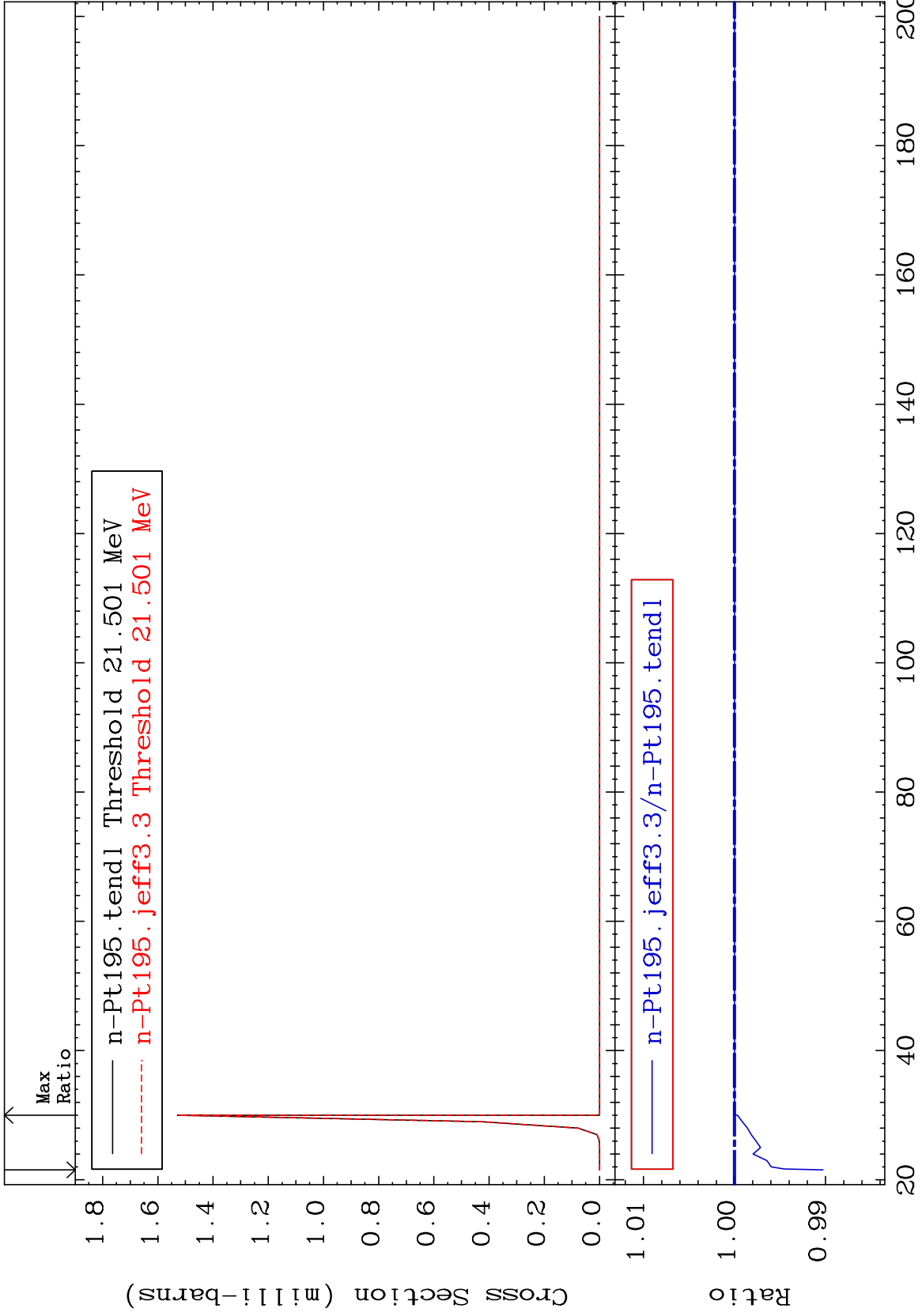
MAT 7840

(n,3n) p:77-Ir-192g

78-Pt-195

Radionuclide Production Cross Section

-0.972 To 0.000 %



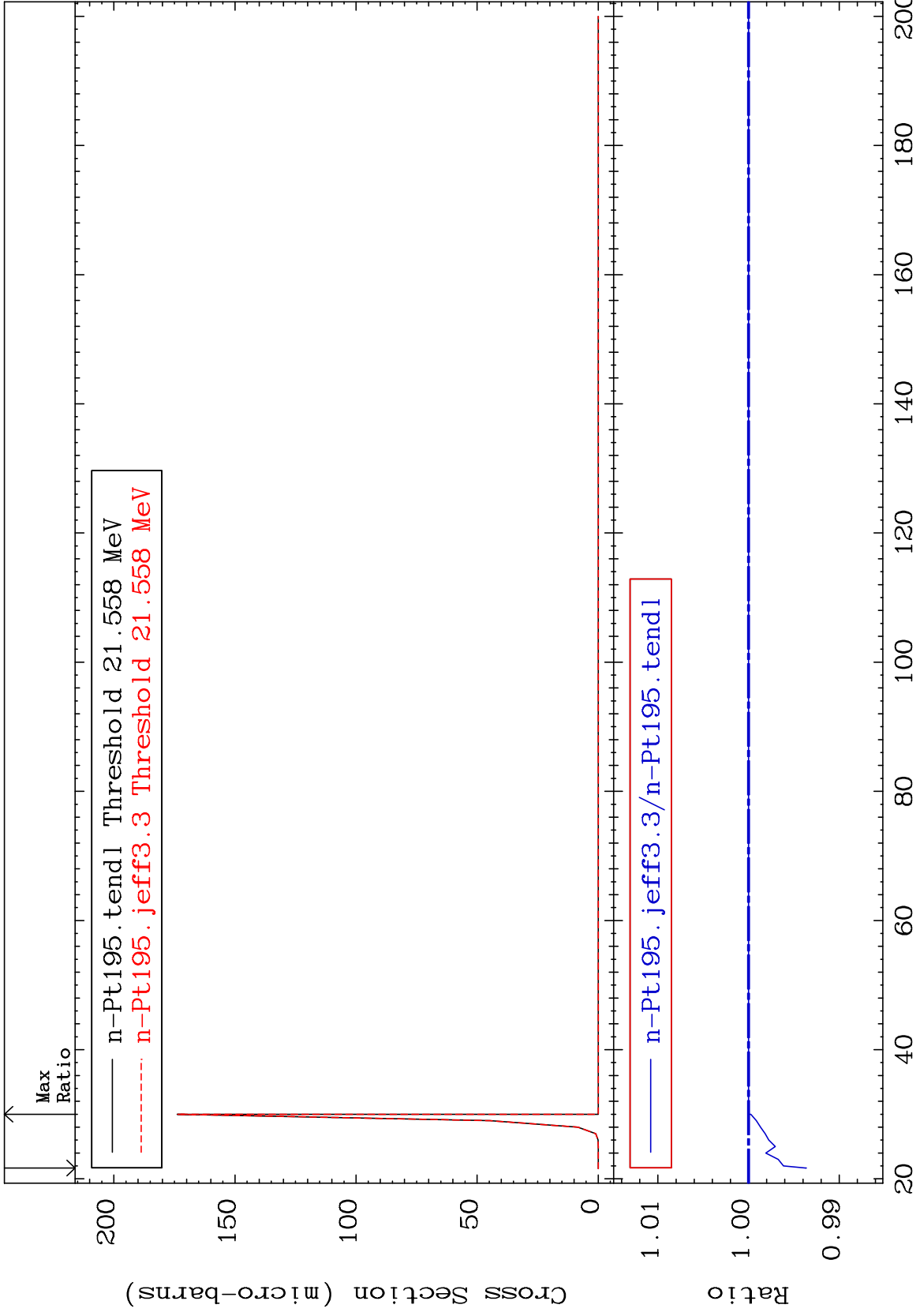
MAT 7840

(n,3n) p:77-Ir-192m3

78-Pt-195

Radionuclide Production Cross Section

-0.629 To 0.000 %



85

Incident Energy (MeV)

78-Pt-195

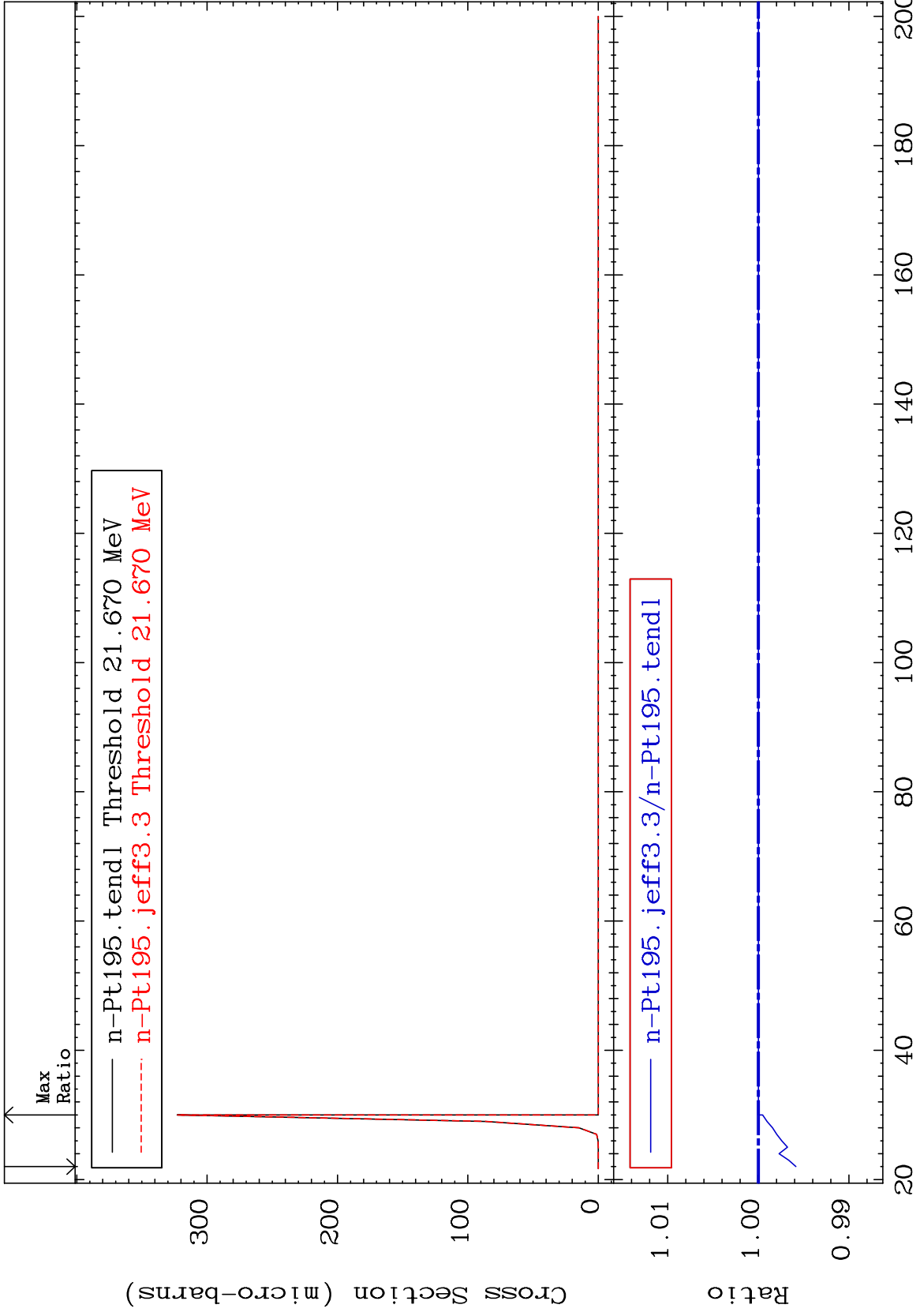
MAT 7840

(n,3n) p:77-Ir-192m15

78-Pt-195

Radionuclide Production Cross Section

-0.414 To 0.000 %



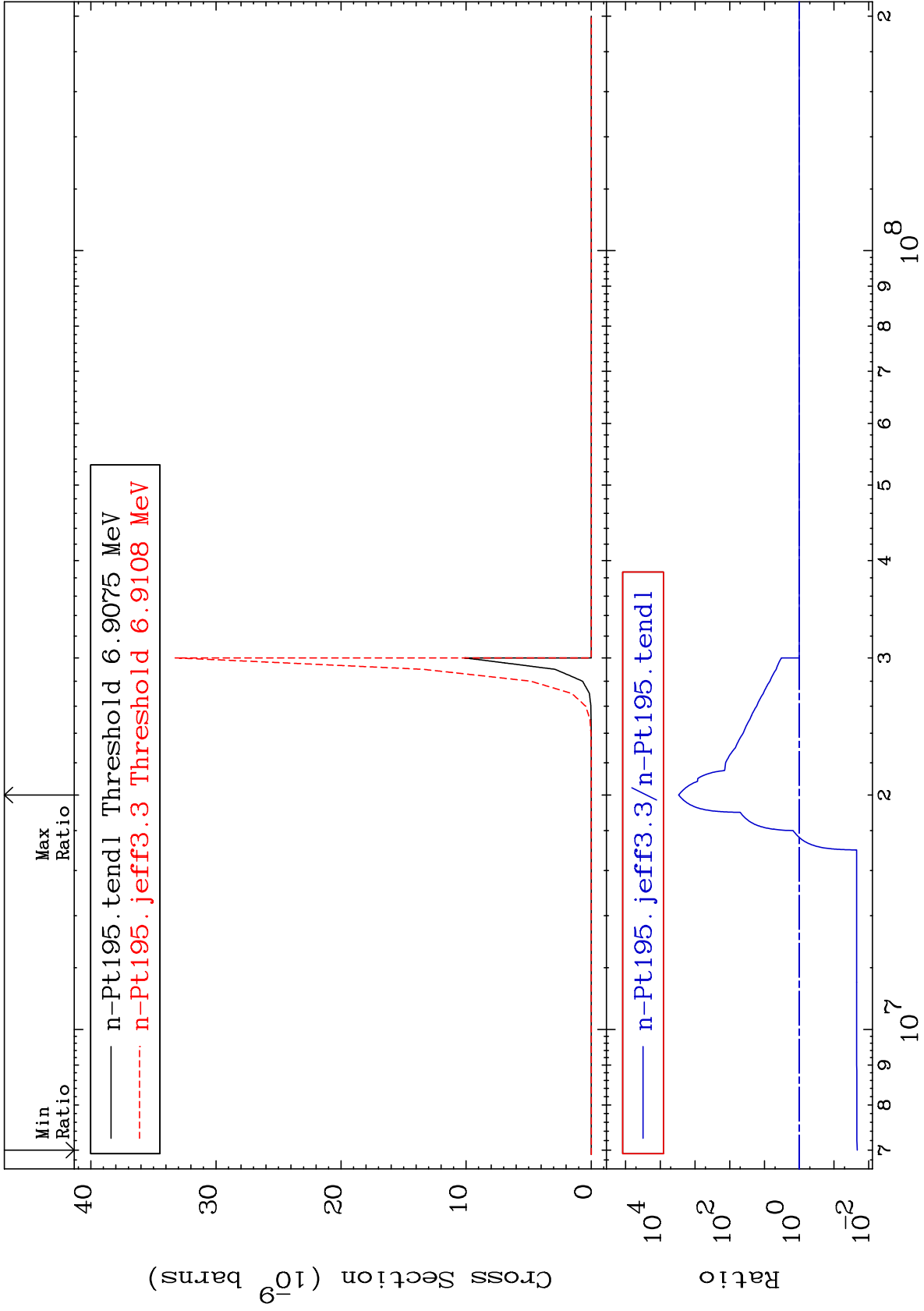
86

Incident Energy (MeV)

78-Pt-195

MAT 7840

(n, n') p α : 75-Re-190g 78-Pt-195
Radionuclide Production Cross Section -97.85 To 9999. %

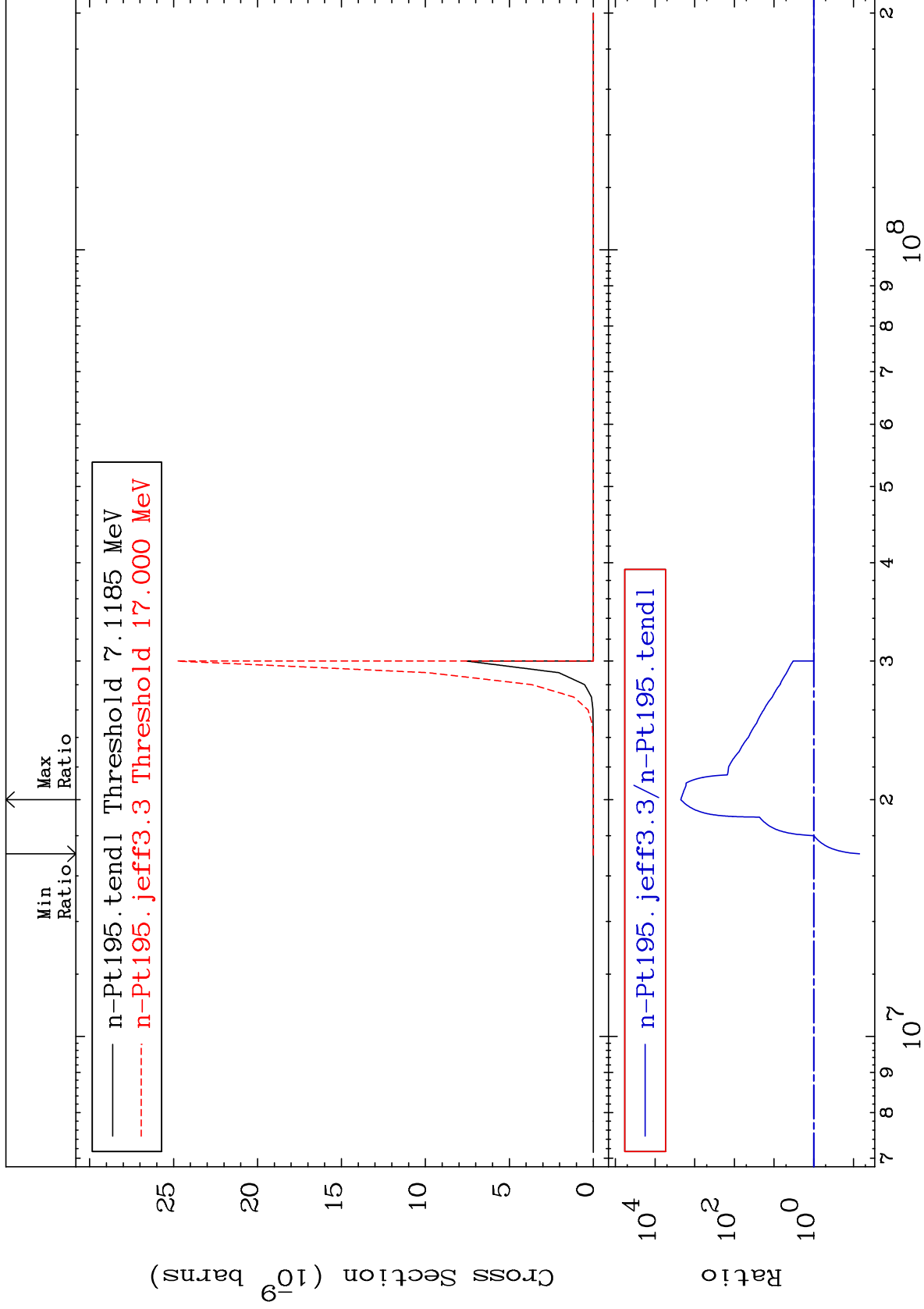


MAT 7840

(n, n') p α : 75-Re-190m3

78-Pt-195

Radionuclide Production Cross Section -92.99 To 9999. %

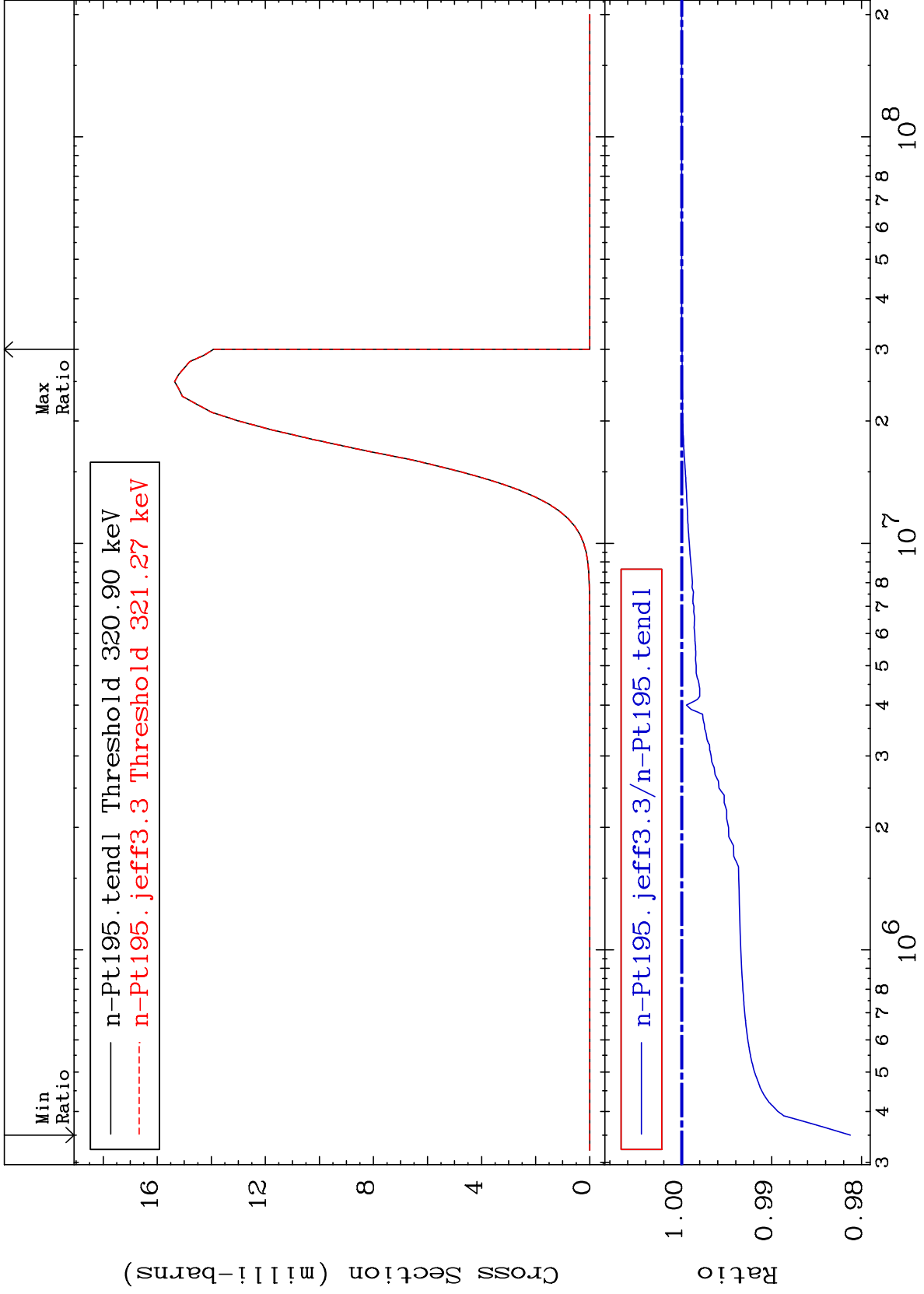


MAT 7840

(n, p) : 77-Ir-195g

78-Pt-195

Radionuclide Production Cross Section -1.874 To 0.000 %

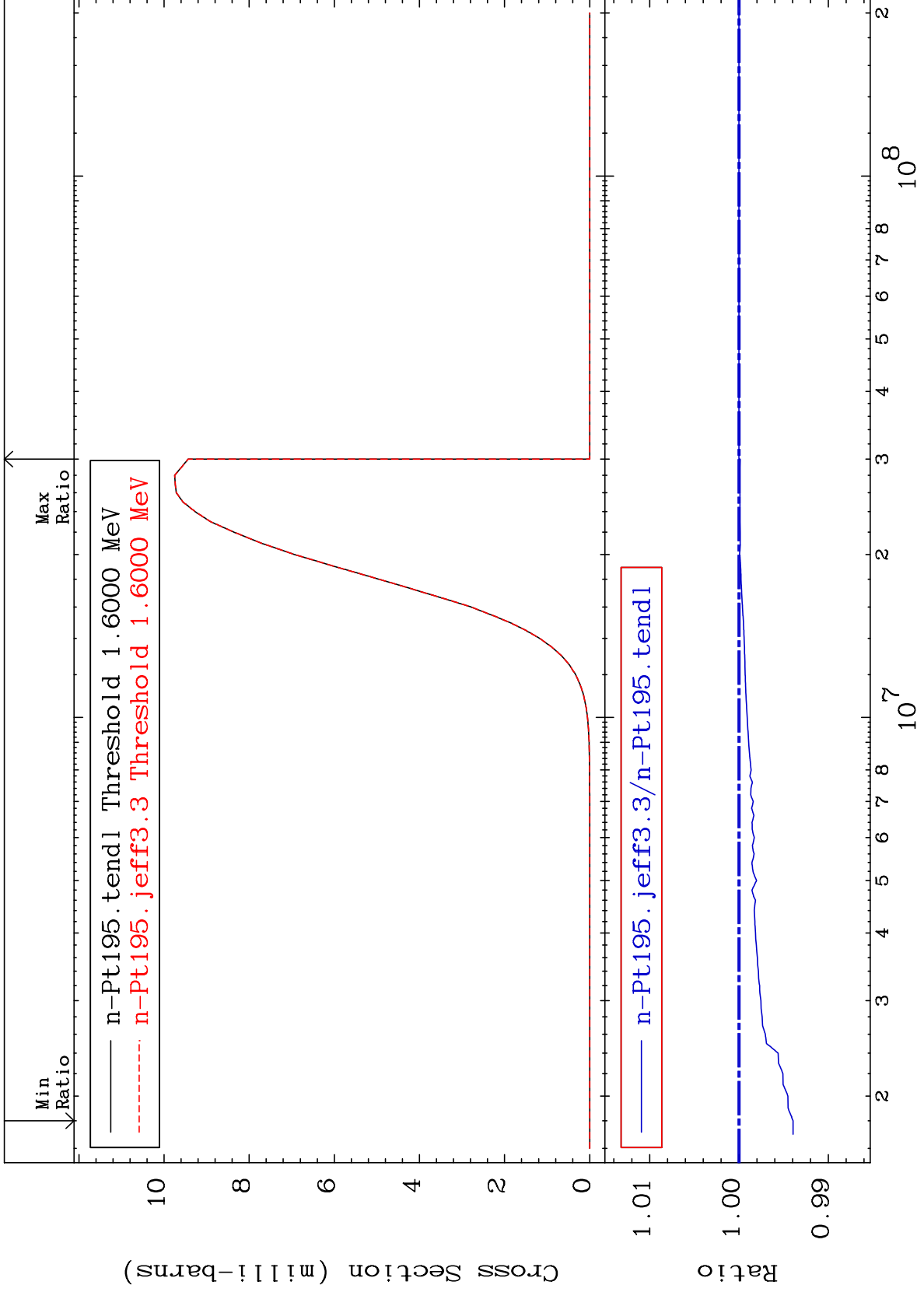


MAT 7840

(n, p) : 77-Ir-195m2

78-Pt-195

Radionuclide Production Cross Section -0.604 To 0.000 %



90

Incident Energy (eV)

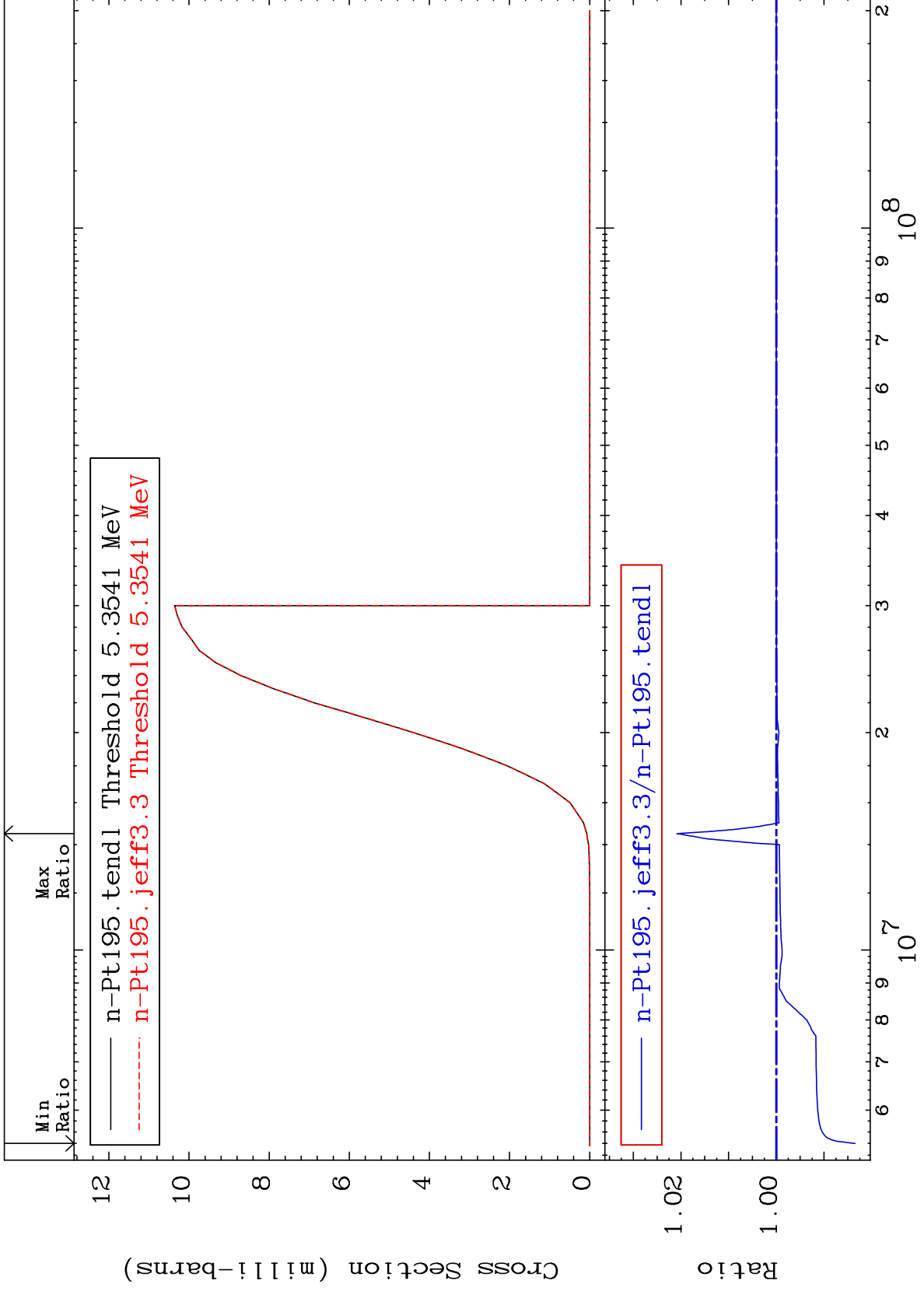
78-Pt-195

MAT 7840

(n, d) : 77-Ir-194g

78-Pt-195

Radionuclide Production Cross Section -1.650 To 2.084 %



91

Incident Energy (eV)

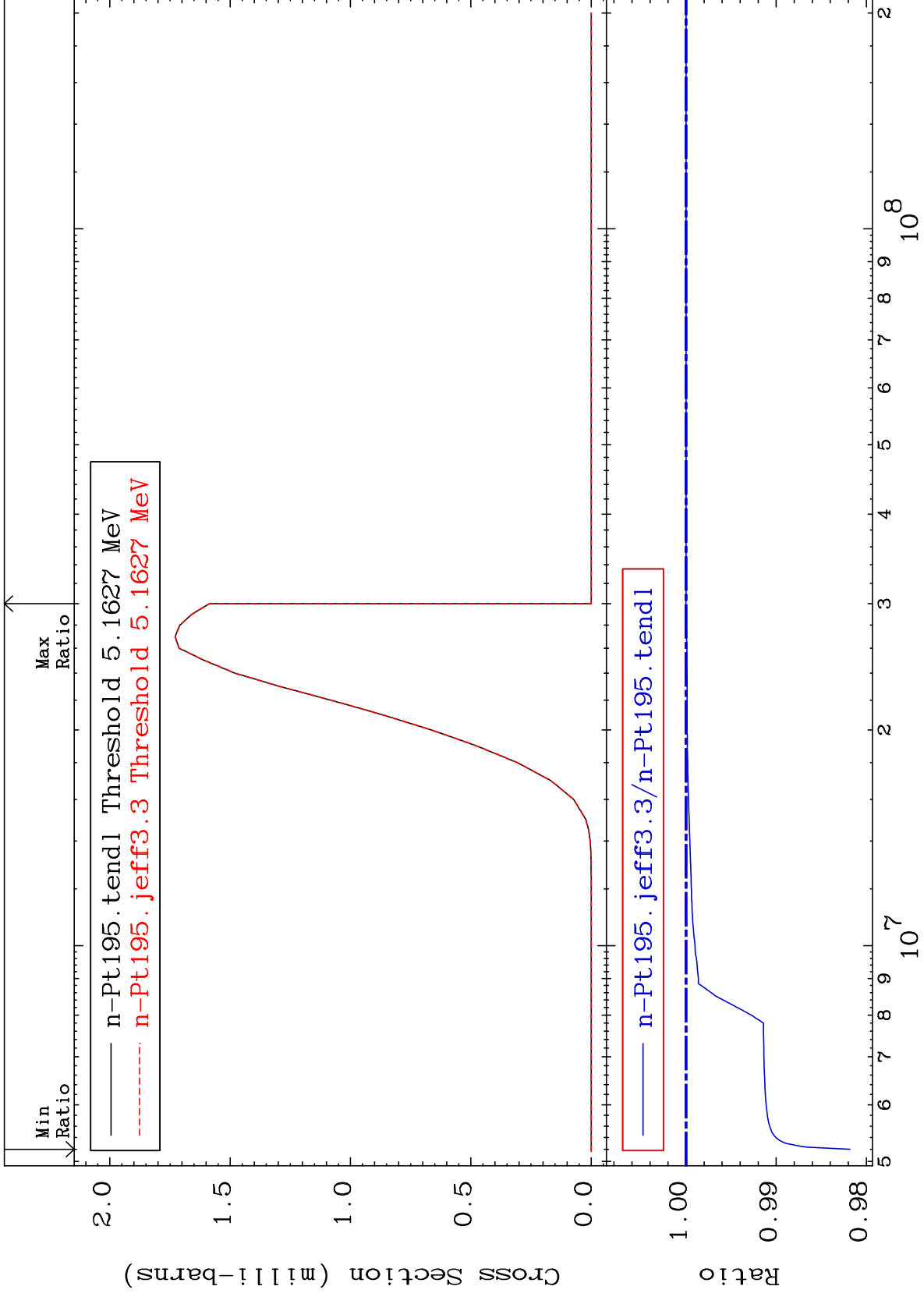
78-Pt-195

MAT 7840

(n, t) : 77-Ir-193g

78-Pt-195

Radionuclide Production Cross Section -1.819 To 0.002 %

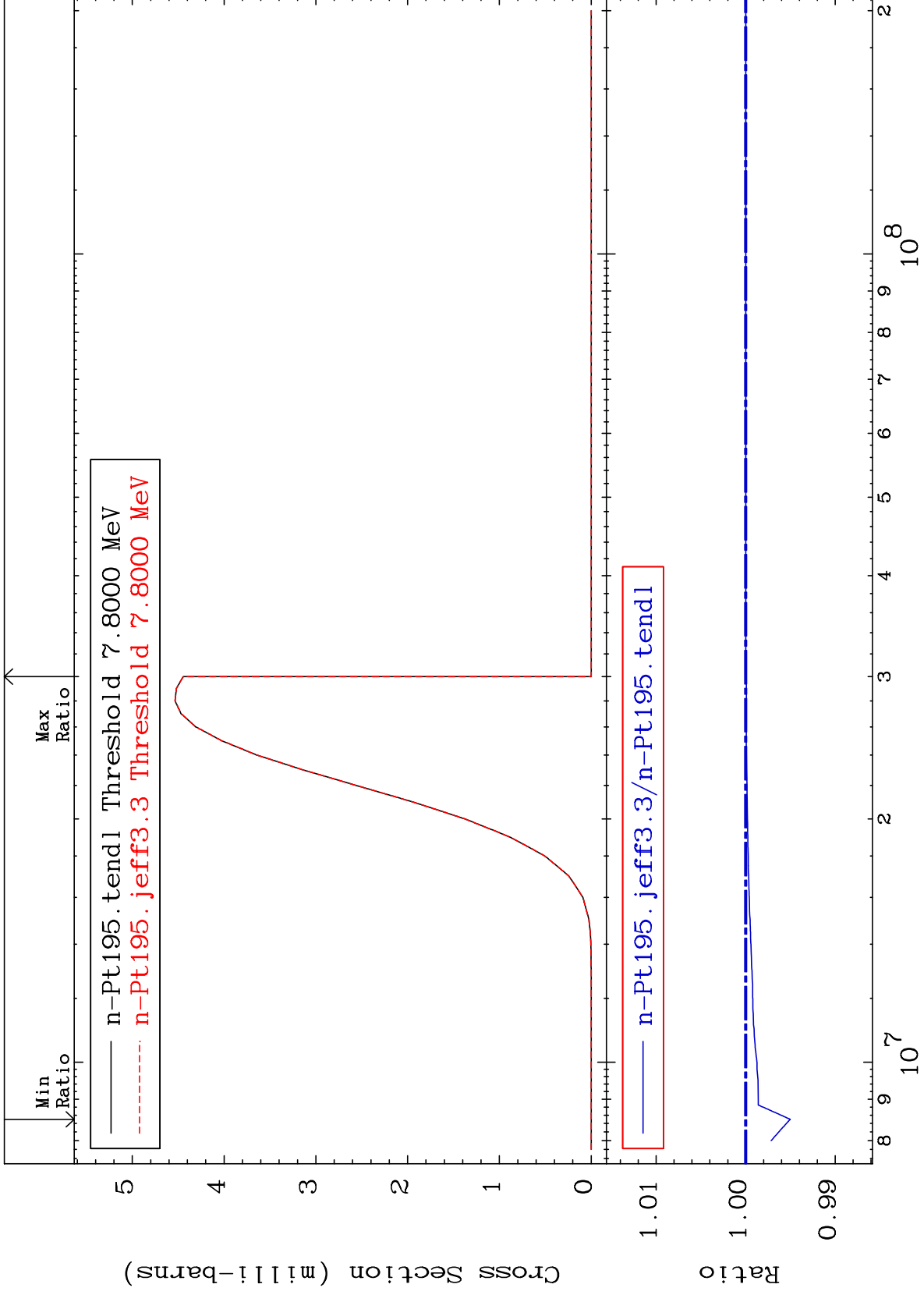


MAT 7840

(n, t) : 77-Ir-193m2

78-Pt-195

Radionuclide Production Cross Section -0.497 To 0.000 %

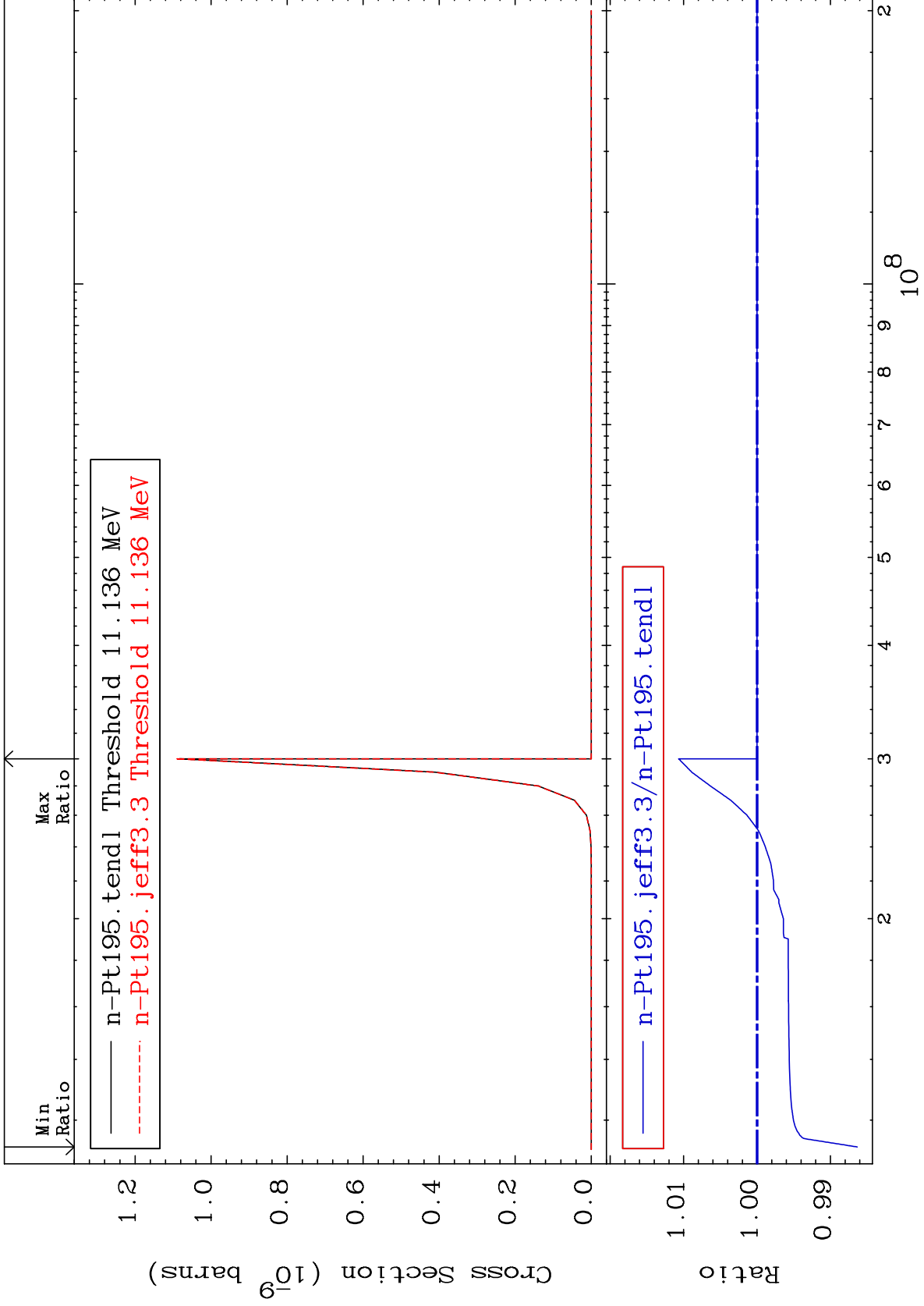


93

Incident Energy (eV)

78-Pt-195

Radionuclide Production Cross Section -1.366 To 1.068 %

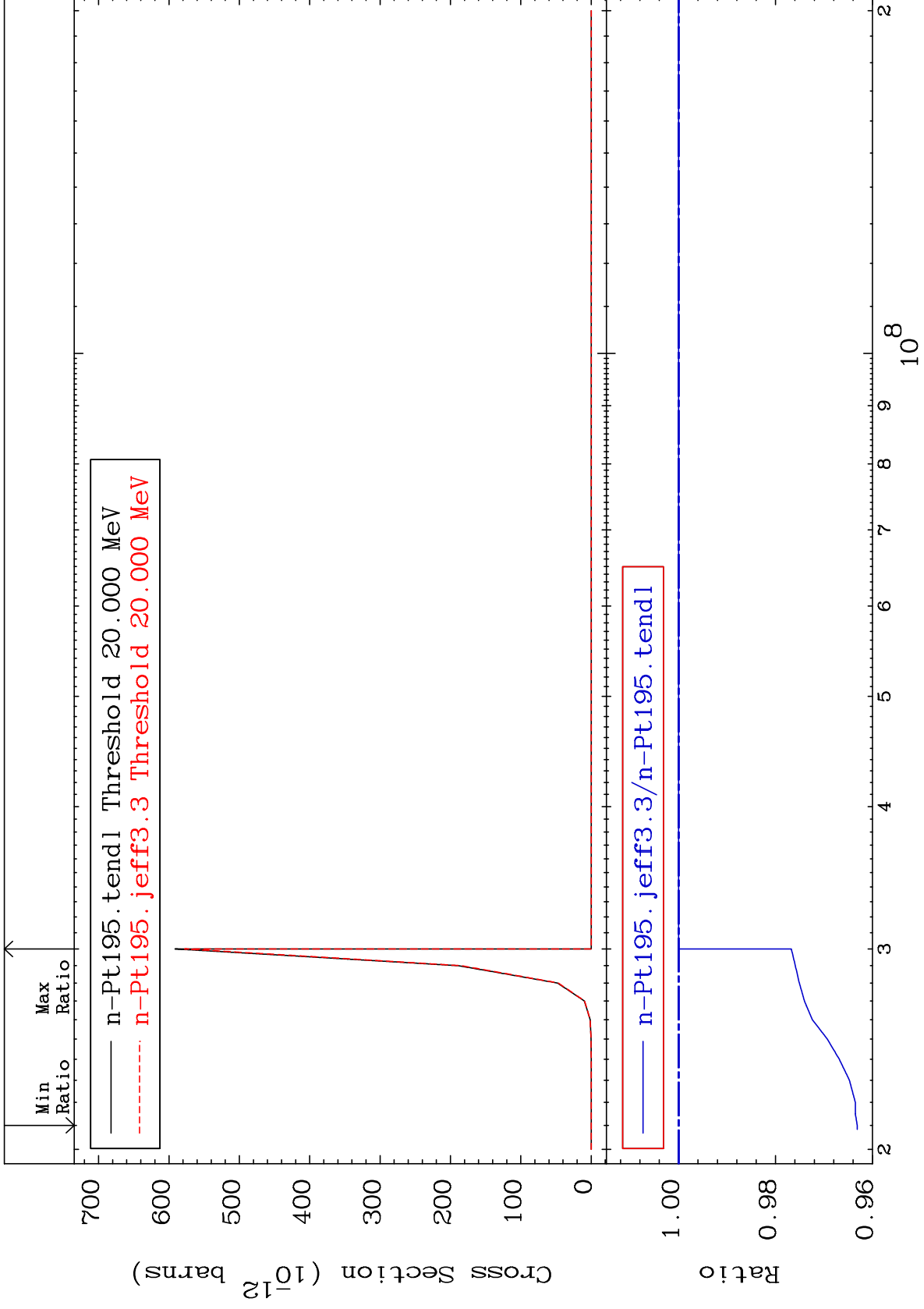


MAT 7840

(n,p) t:76-0s-192m10

78-Pt-195

Radionuclide Production Cross Section -3.686 To 0.000 %



95

Incident Energy (eV)

78-Pt-195