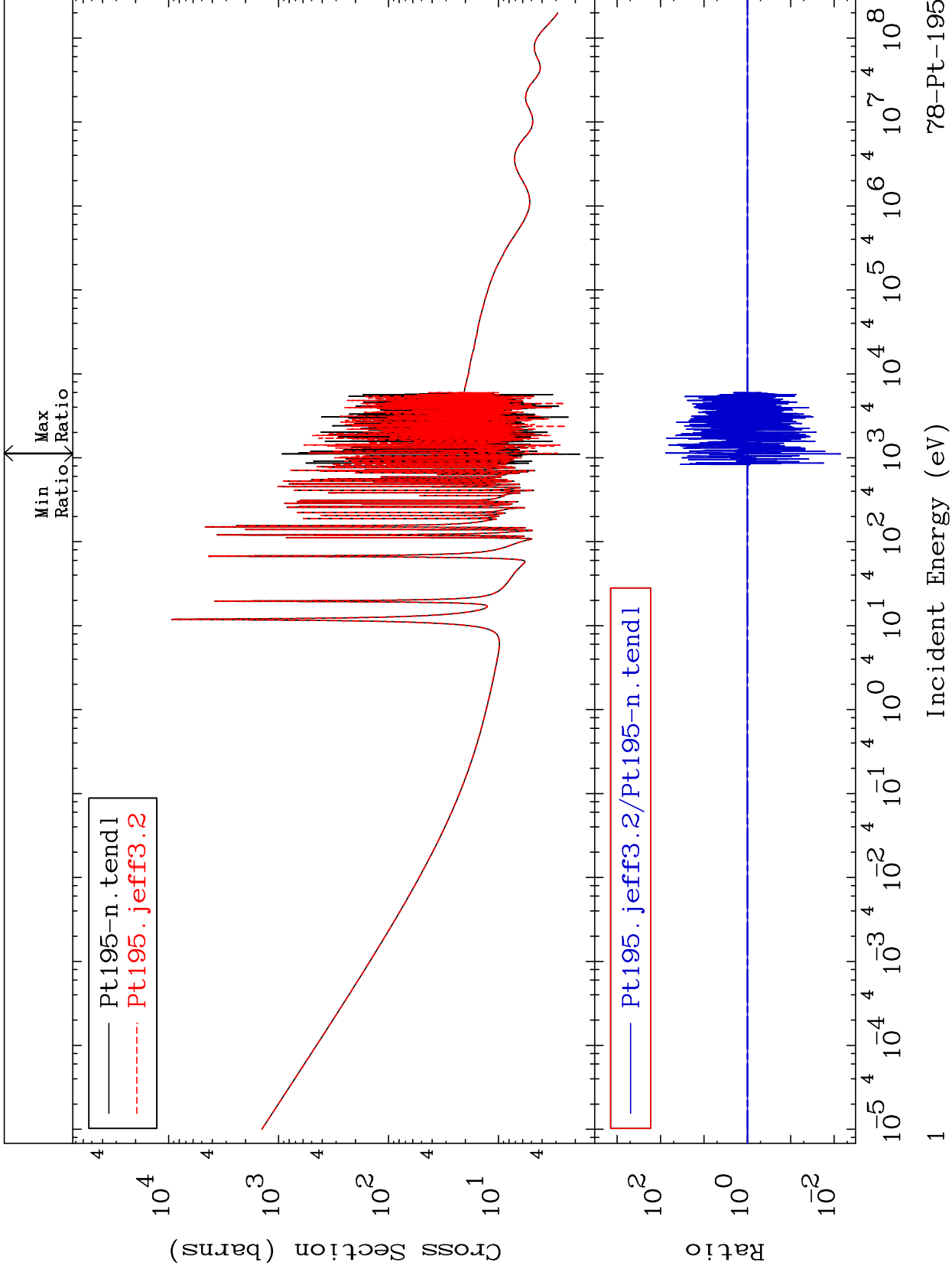


MAT 7840

Total
Cross Section

78-Pt-195
-99.29 To 7606. %



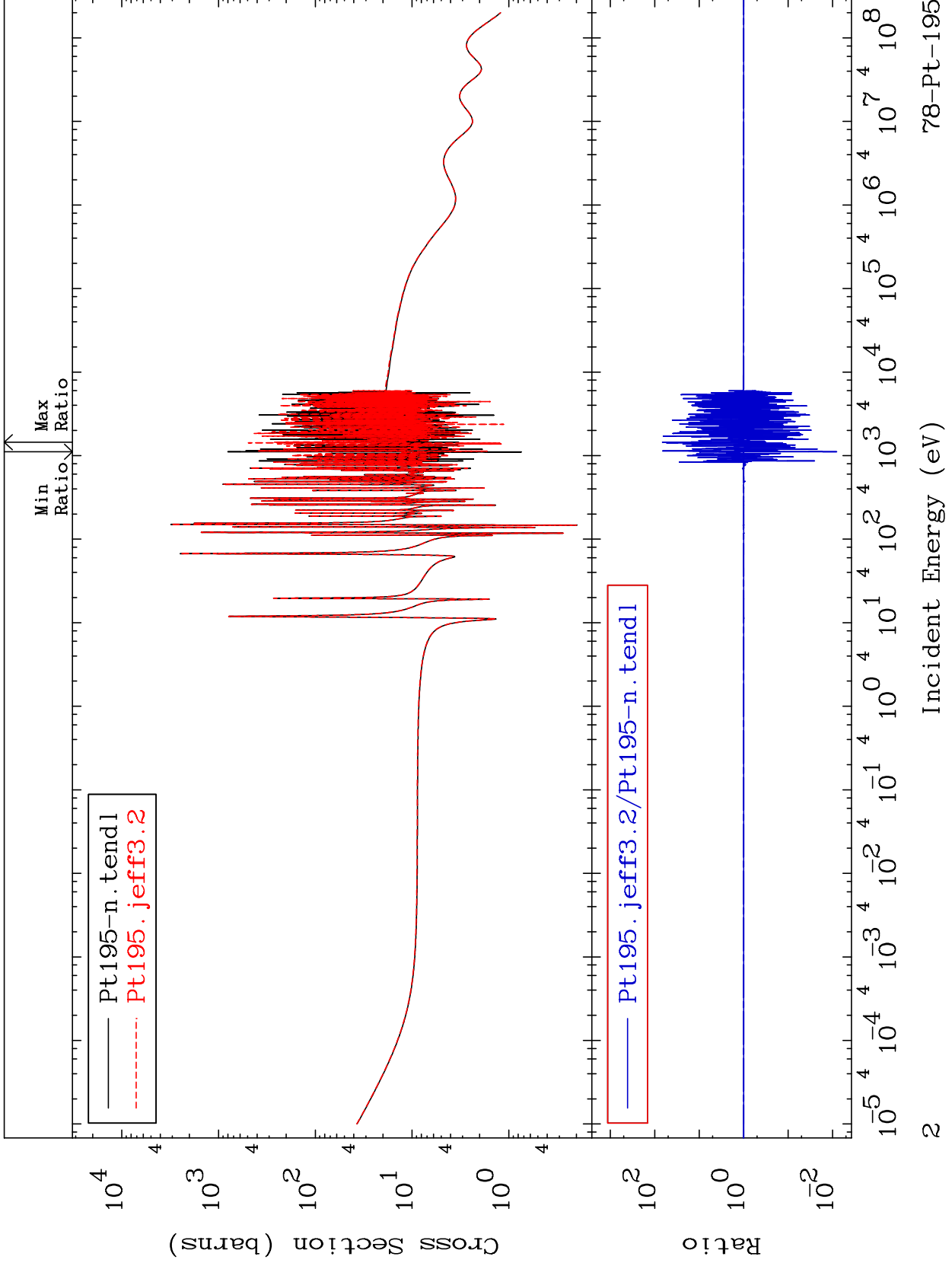
Incident Energy (eV)

78-Pt-195

MAT 7840

Elastic
Cross Section

78-Pt-195
-99.19 To 6683. %



2

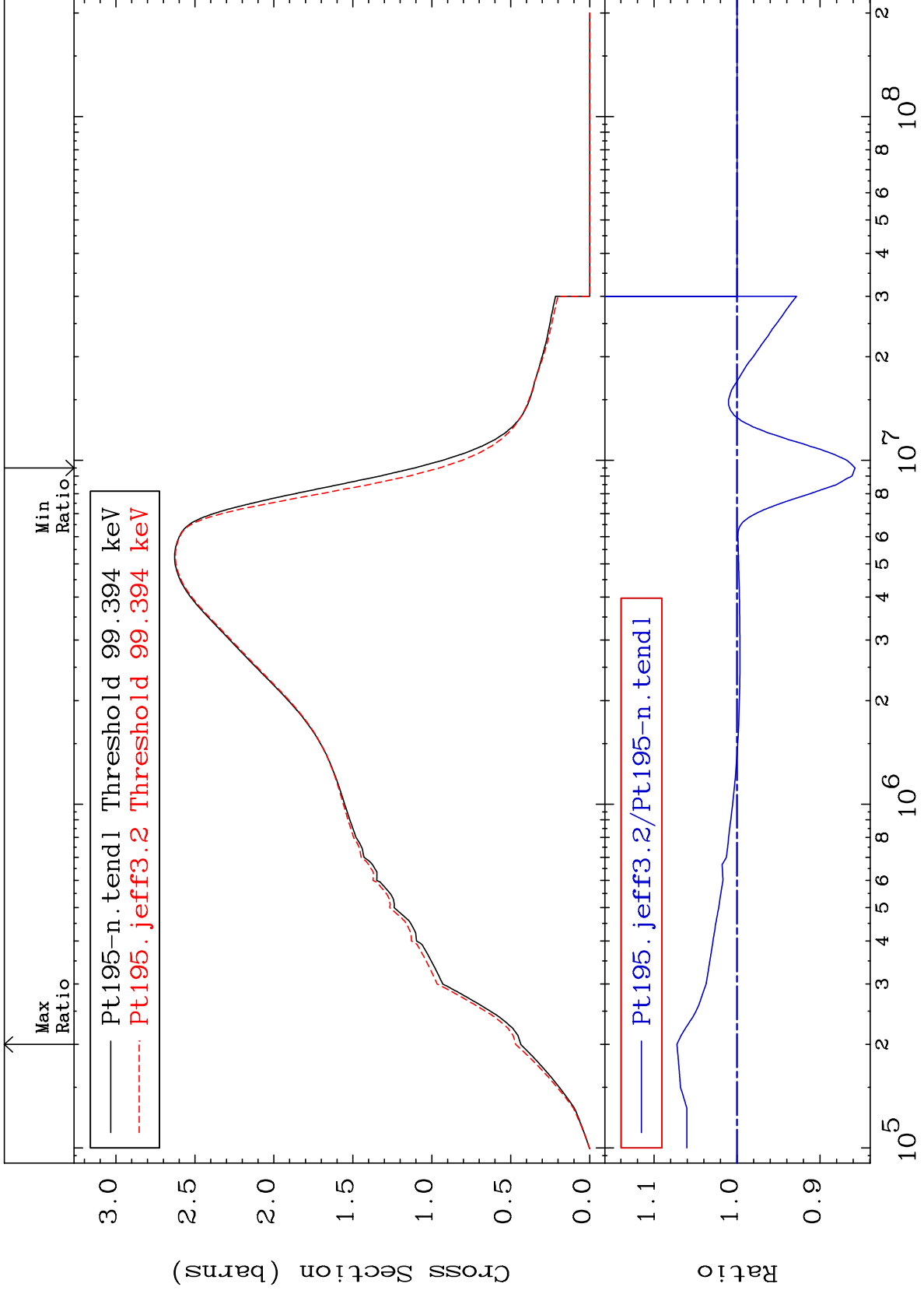
Incident Energy (eV)

78-Pt-195

MAT 7840

Inelastic
Cross Section

78-Pt-195
-14.22 To 7.238 %



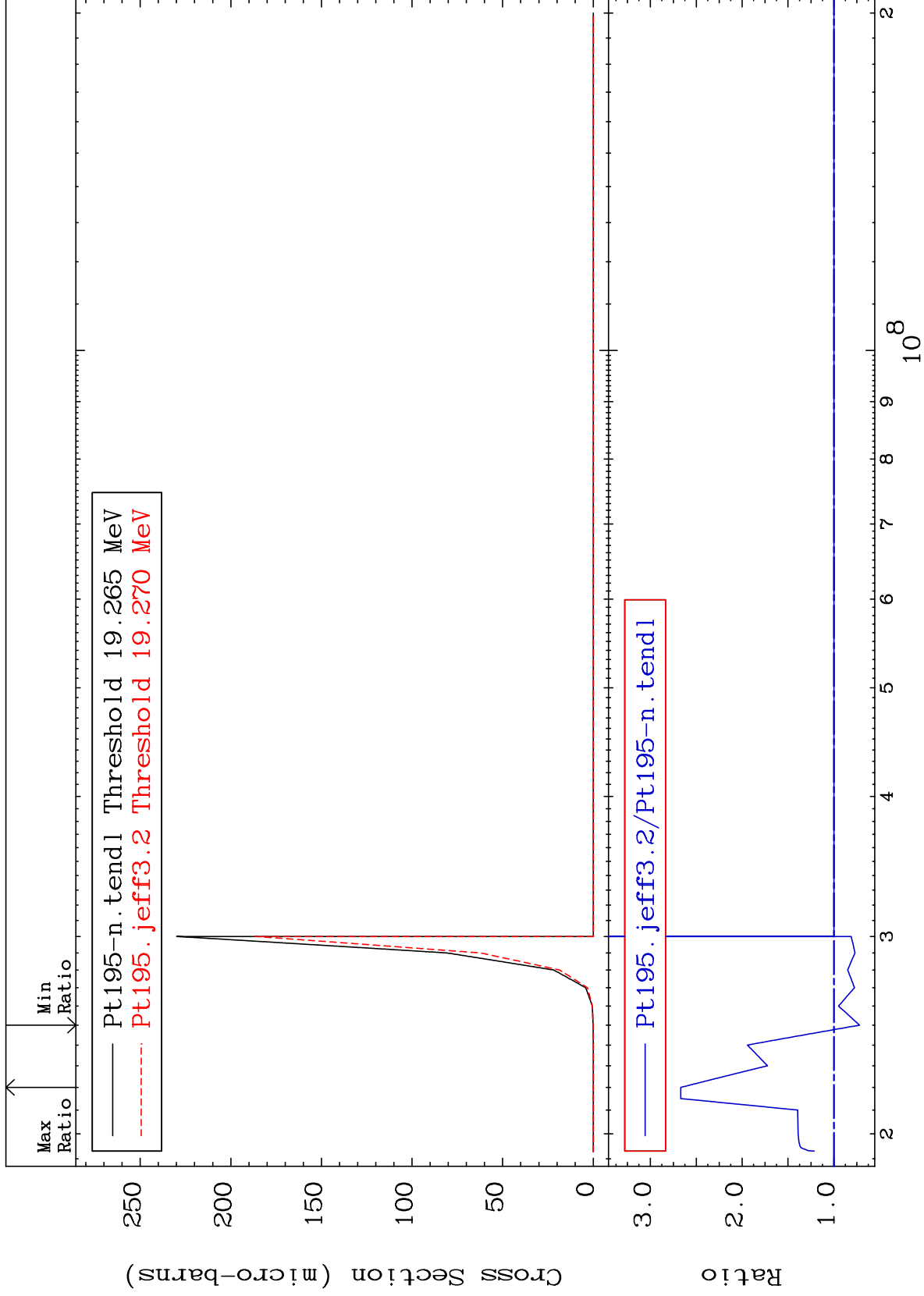
Incident Energy (eV)

78-Pt-195

MAT 7840

(n,2n) d
Cross Section

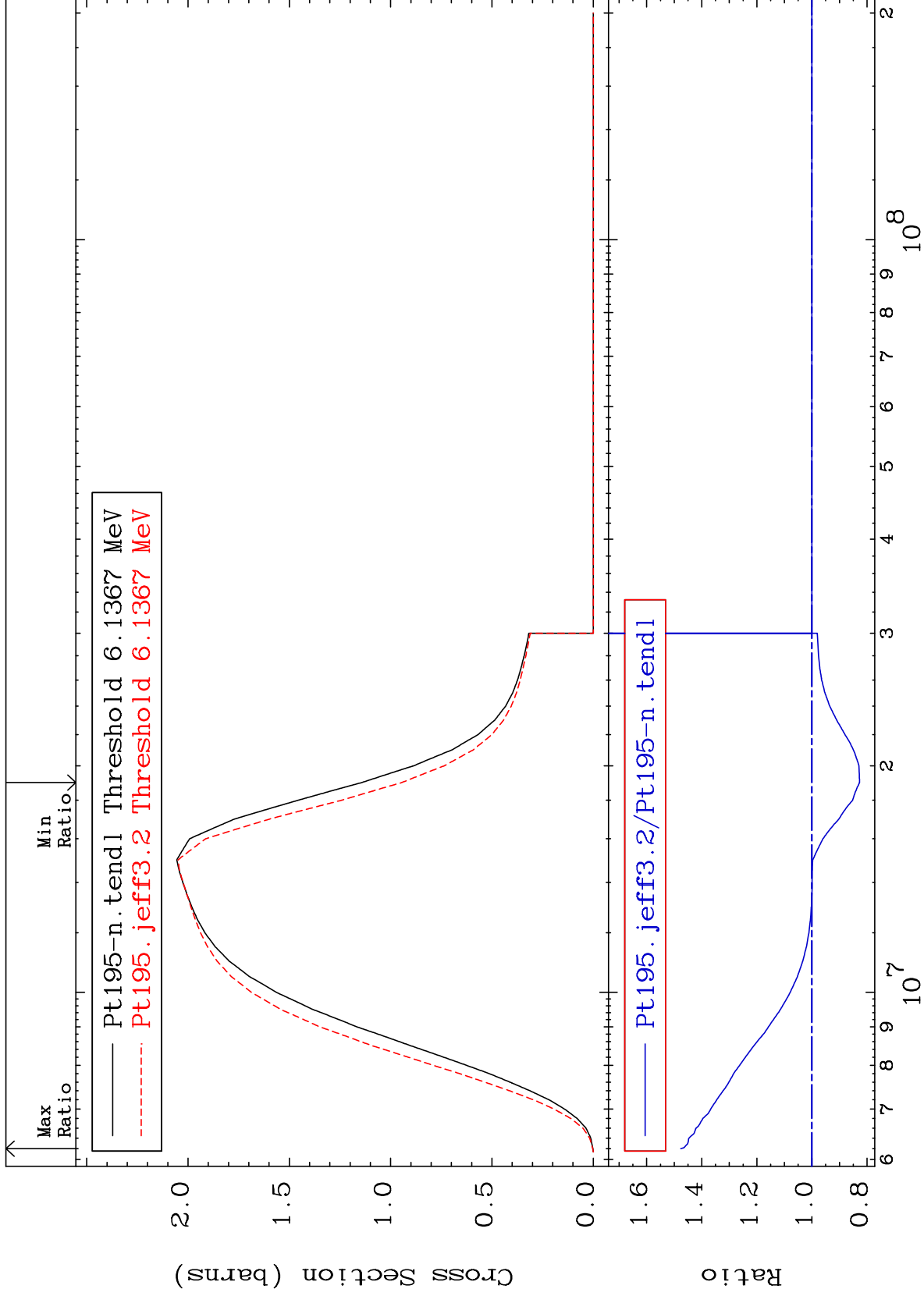
78-Pt-195
-27.94 To 166.9 %



MAT 7840

(n,2n)
Cross Section

78-Pt-195
-17.28 To 47.62 %



5

Incident Energy (eV)

78-Pt-195

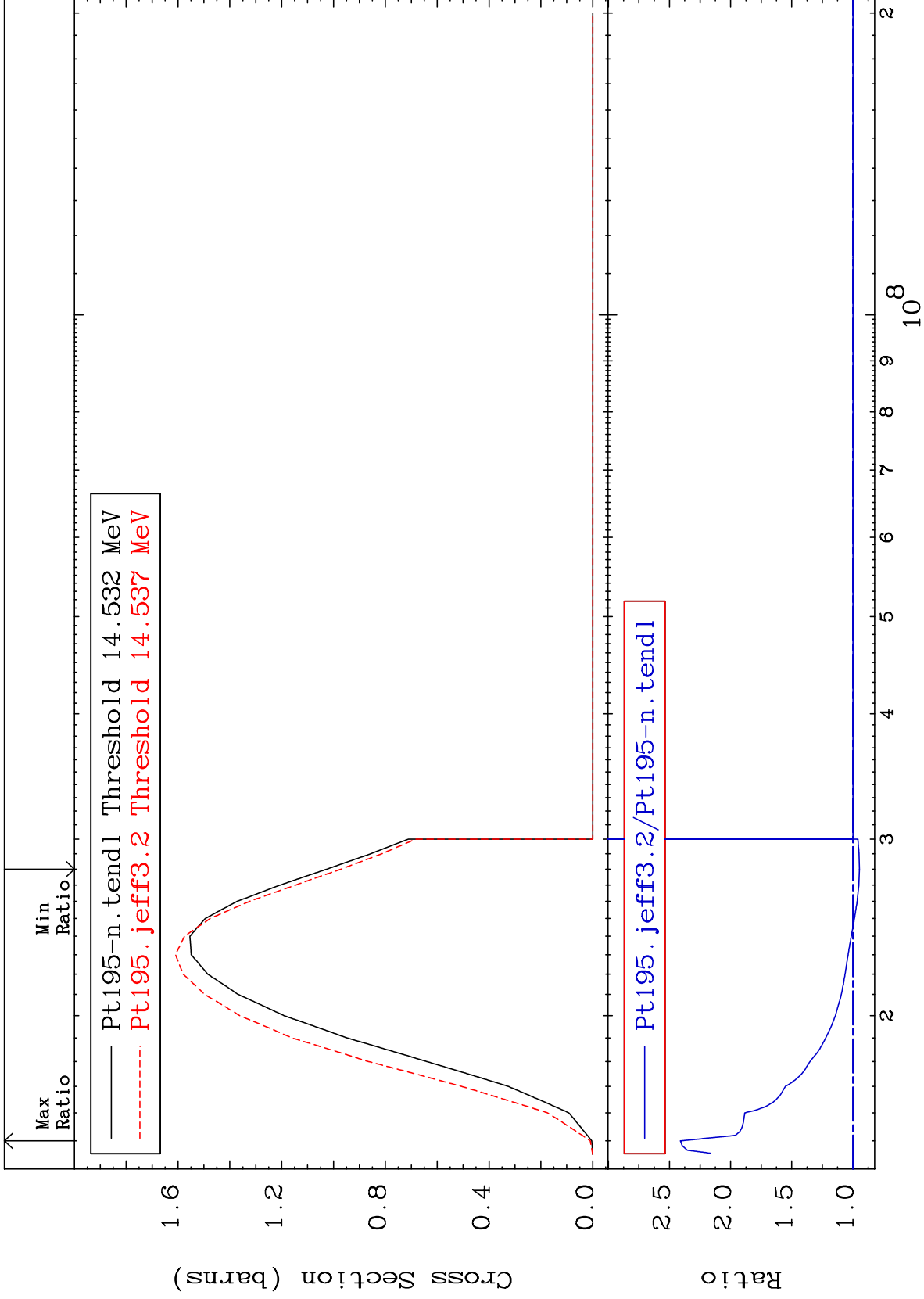
MAT 7840

(n,3n)

78-Pt-195

Cross Section

-5.355 To 141.1 %



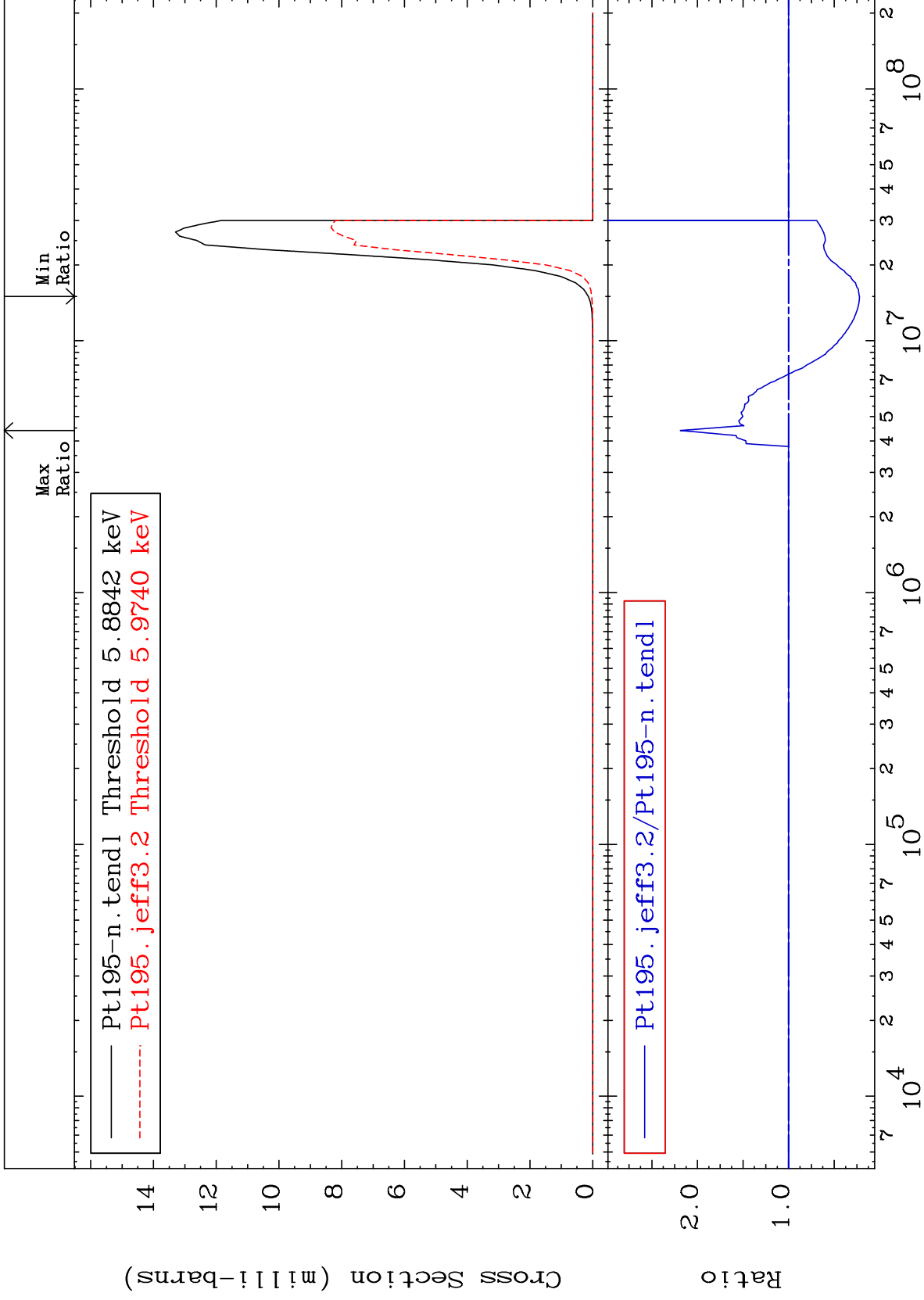
MAT 7840

$(n, n') \alpha$

Cross Section

78-Pt-195

-77.70 To 118.8 %



7

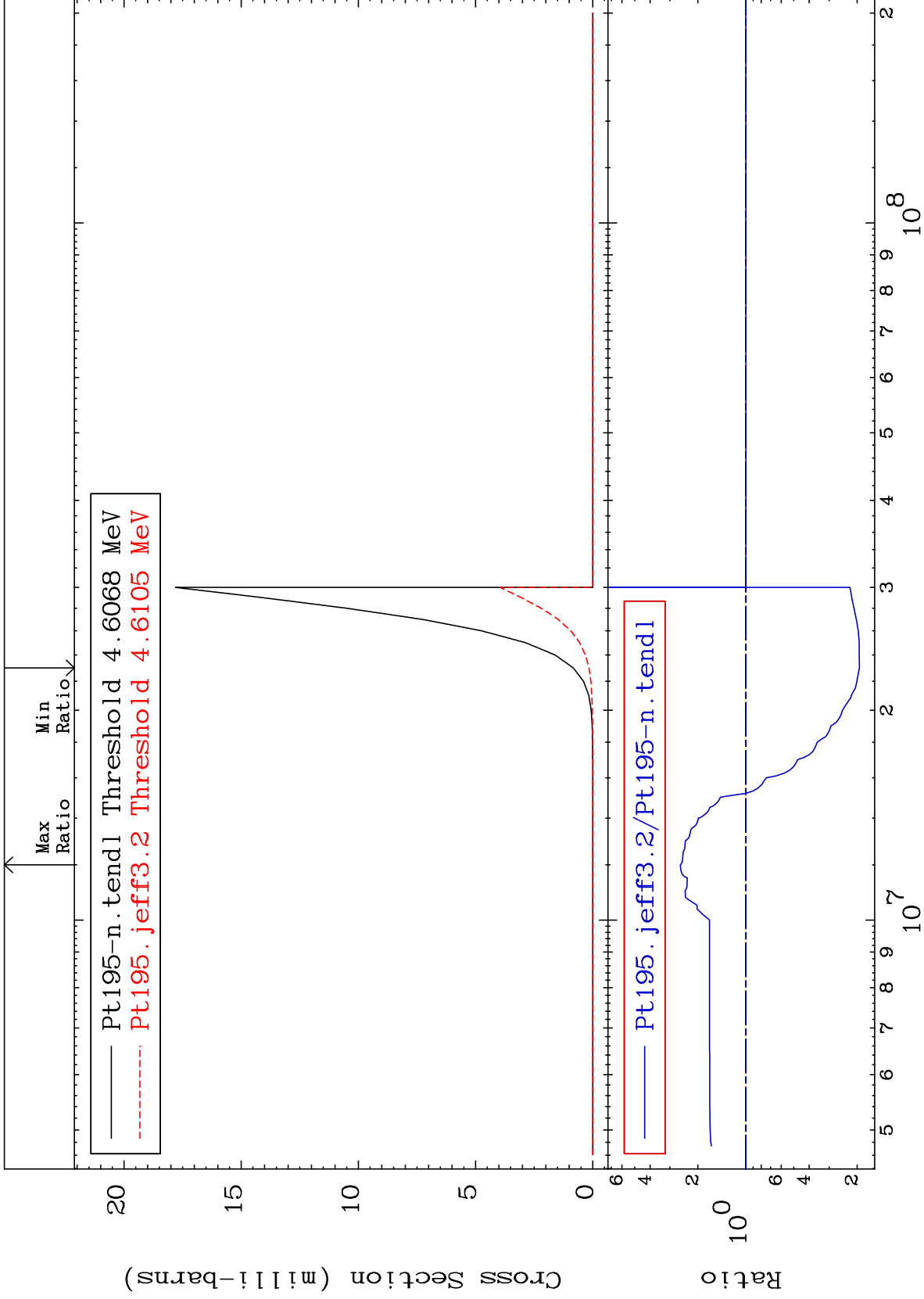
Incident Energy (eV)

78-Pt-195

MAT 7840

(n,2n) α
Cross Section

78-Pt-195
-80.64 To 157.8 %



8

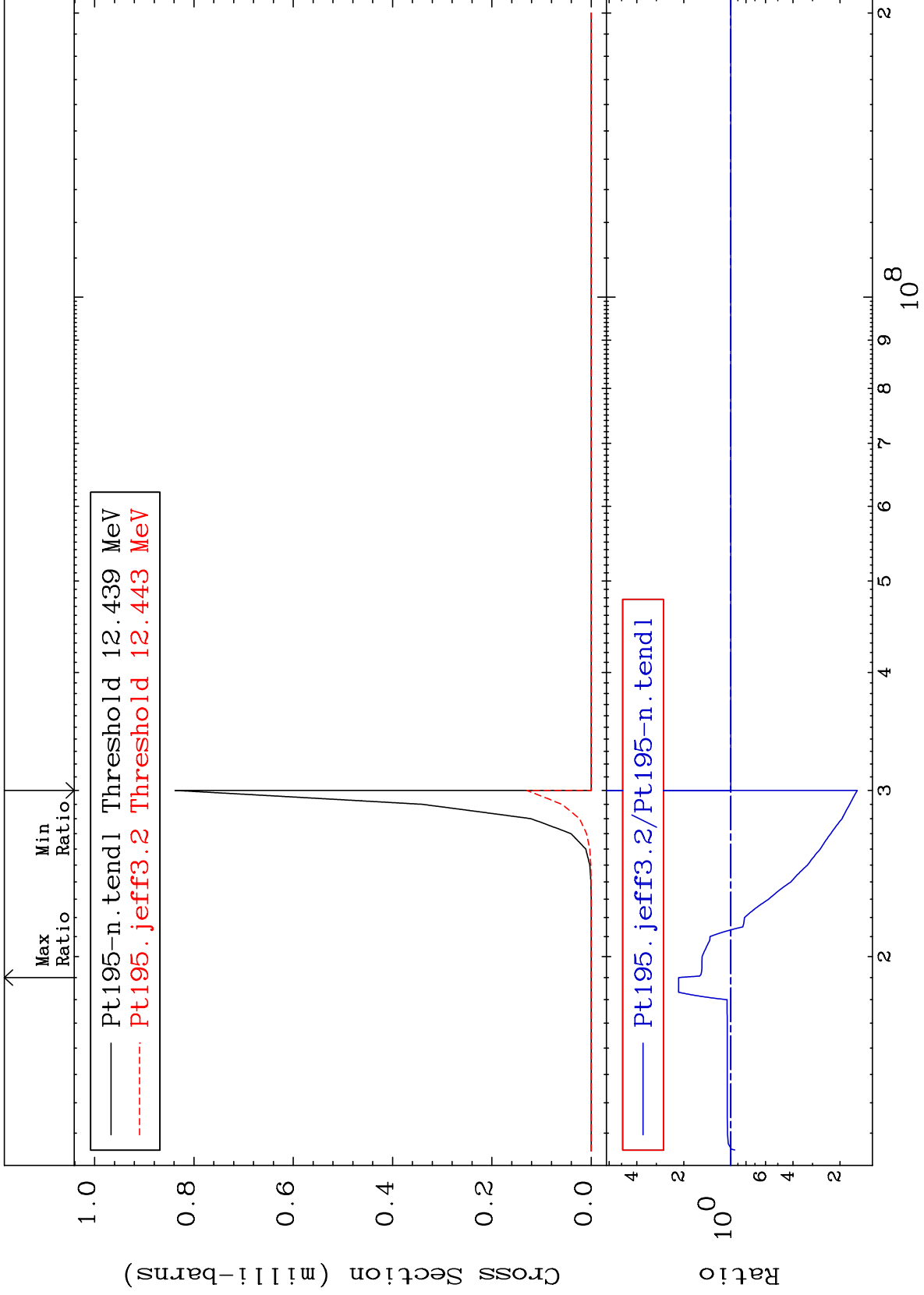
Incident Energy (eV)

78-Pt-195

MAT 7840

(n,3n) α
Cross Section

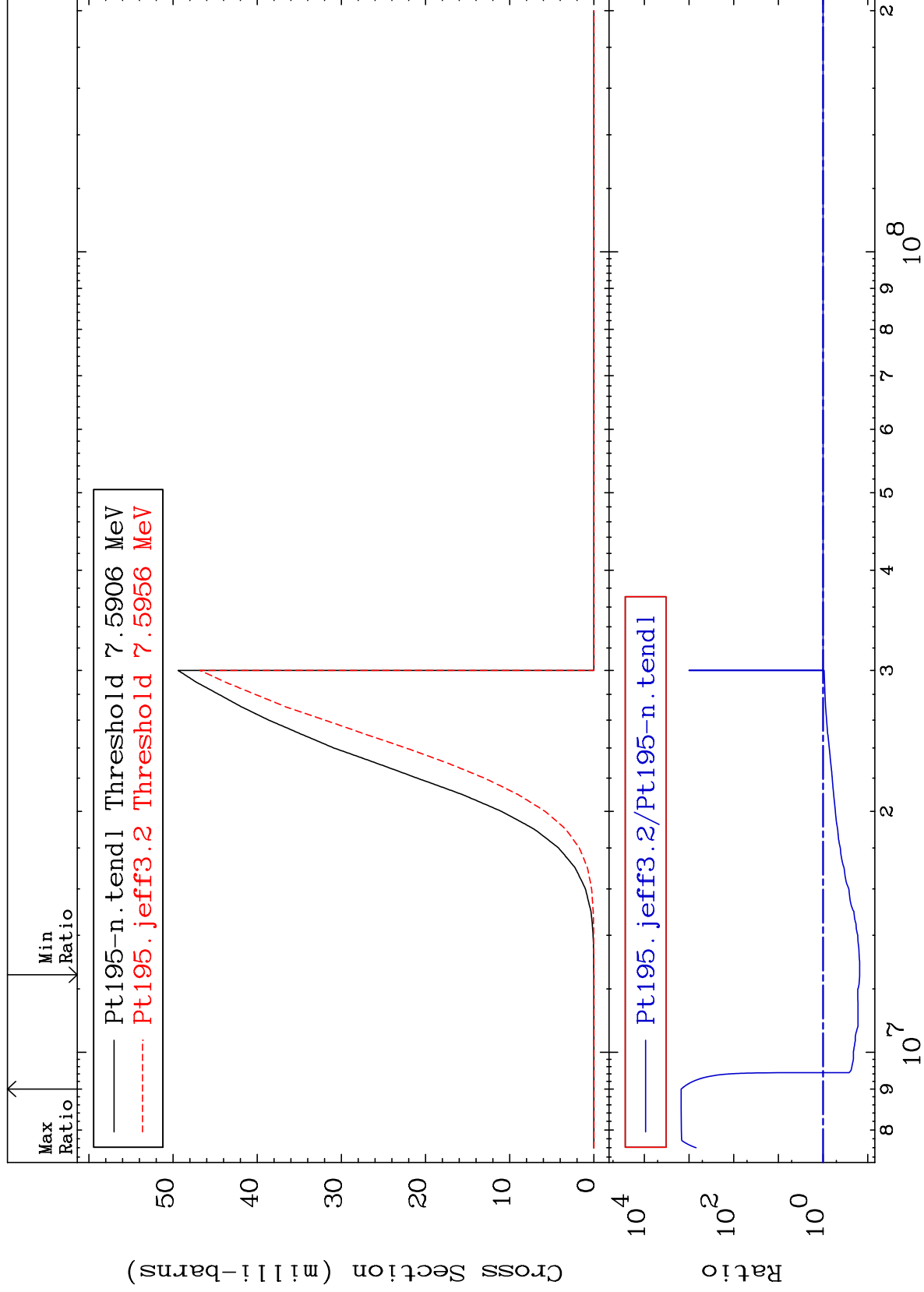
78-Pt-195
-84.48 To 115.7 %



MAT 7840

(n, n') p
Cross Section

78-Pt-195
-84.87 To 9999. %



10

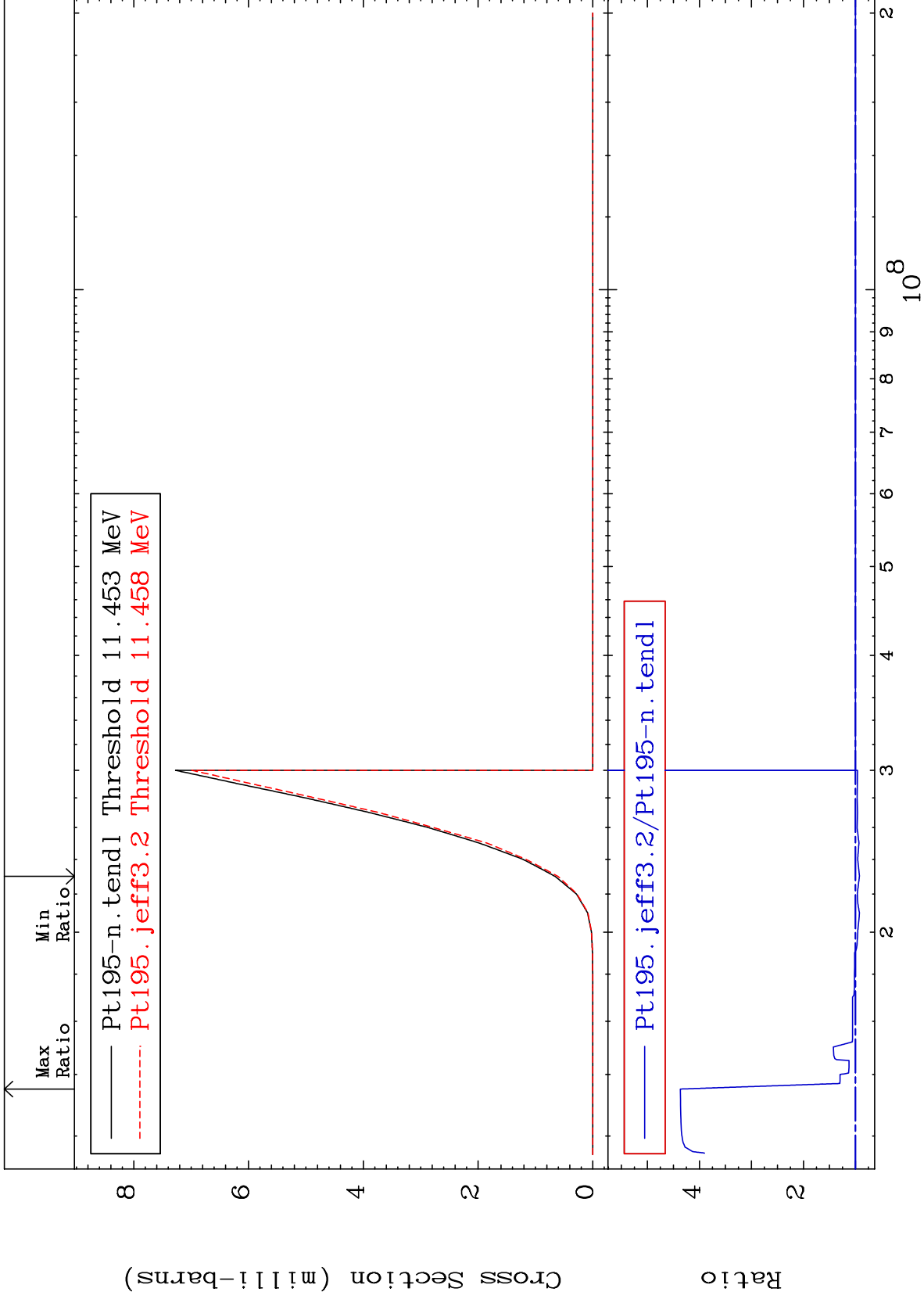
Incident Energy (eV)

78-Pt-195

MAT 7840

(n,n') d
Cross Section

78-Pt-195
-7.611 To 336.6 %



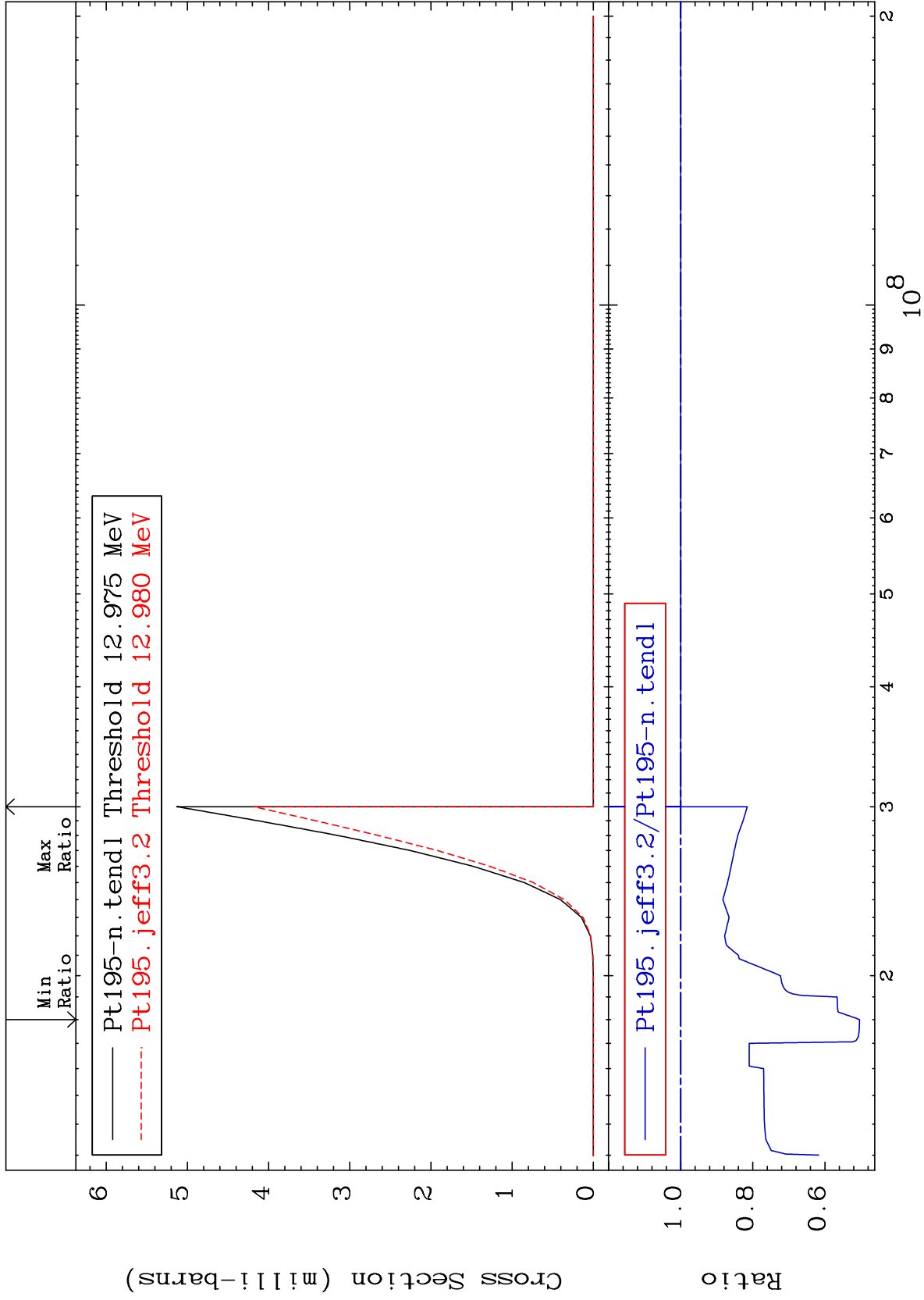
MAT 7840

(n, n') t

78-Pt-195

Cross Section

-49.61 To 0.000 %



12

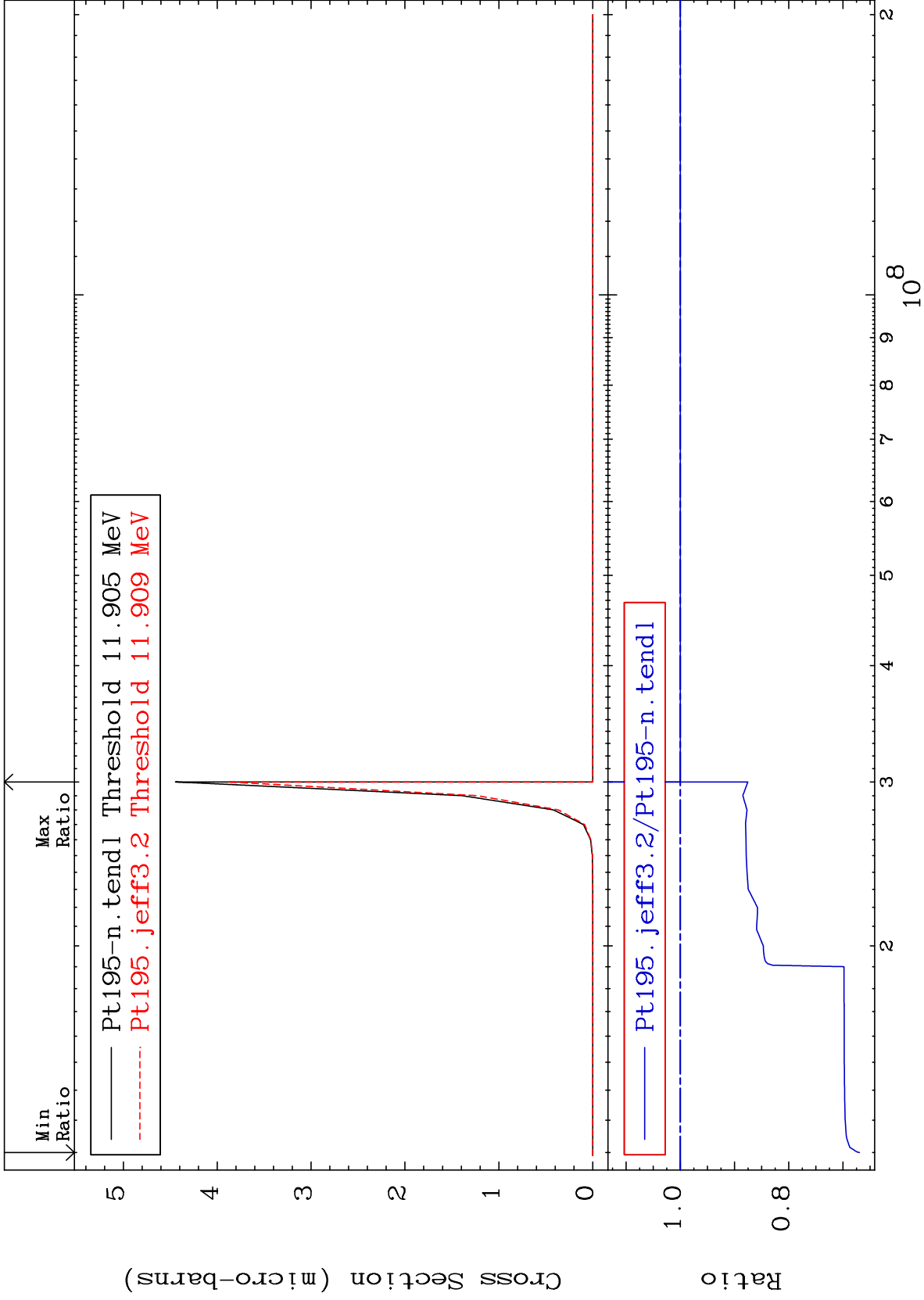
Incident Energy (eV)

78-Pt-195

MAT 7840

(n, n') He-3
Cross Section

78-Pt-195
-33.03 To 0.000 %



MAT 7840

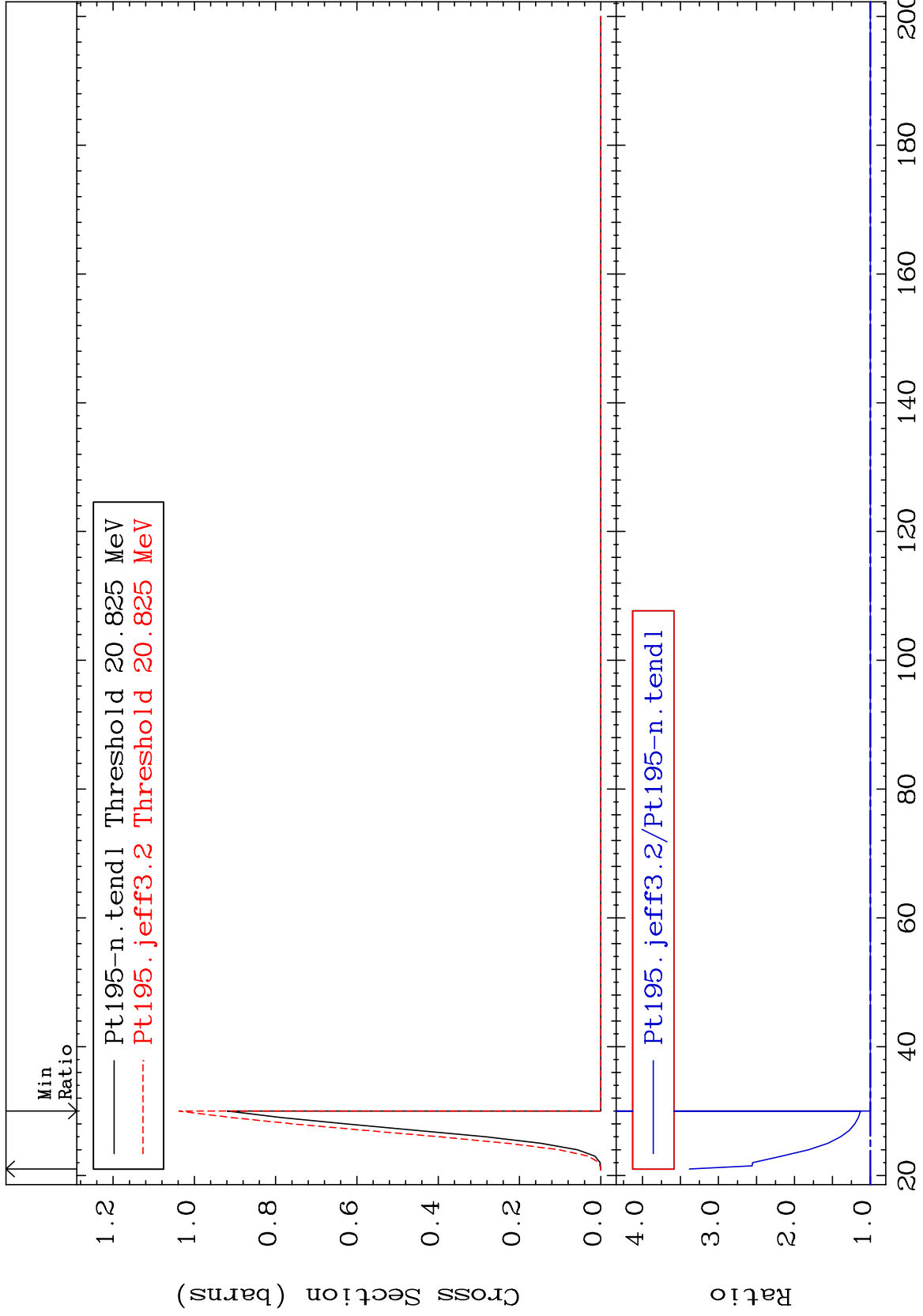
(n,4n)

78-Pt-195

Cross Section

0.000

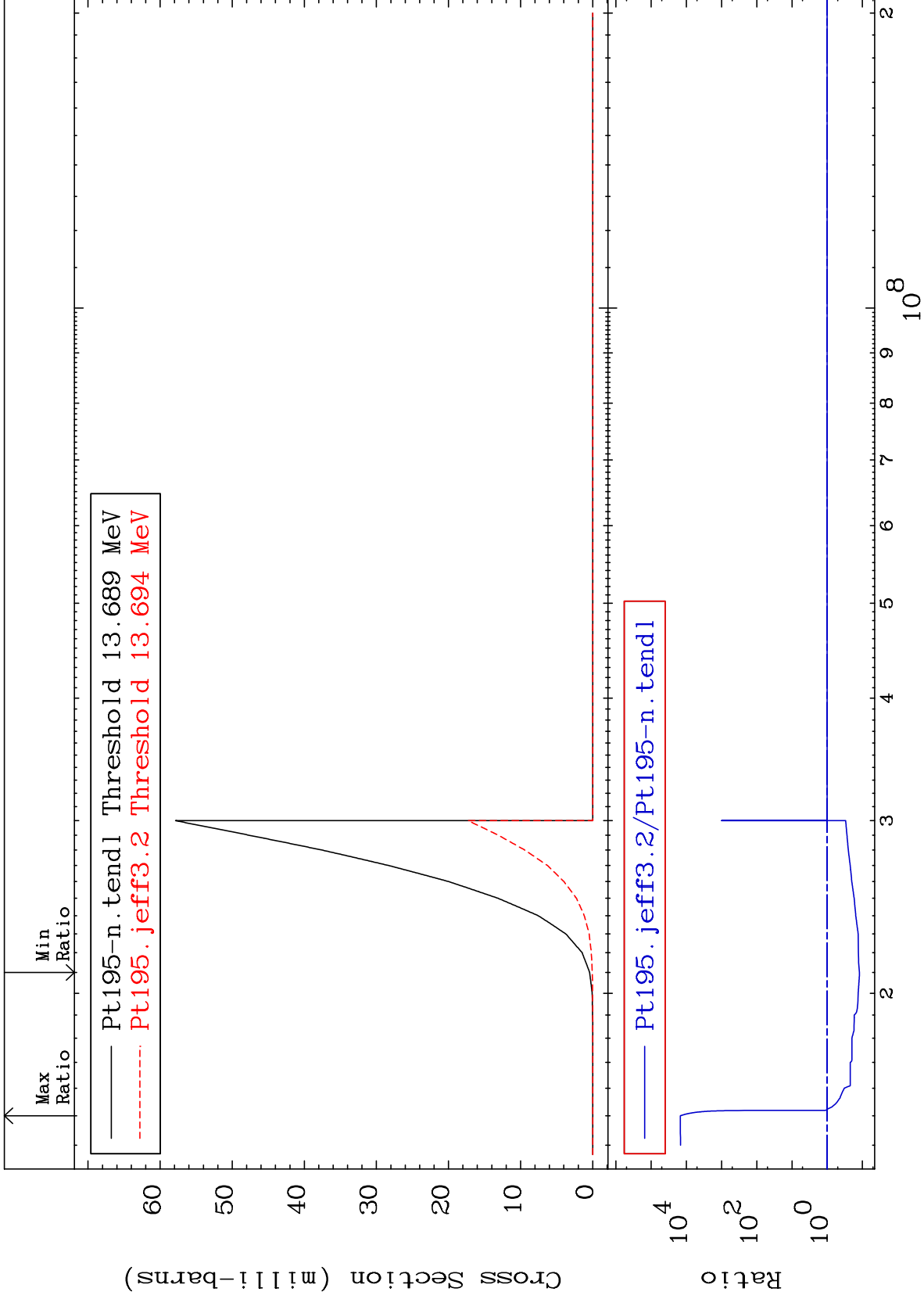
To 238.4 %



MAT 7840

(n,2n) p
Cross Section

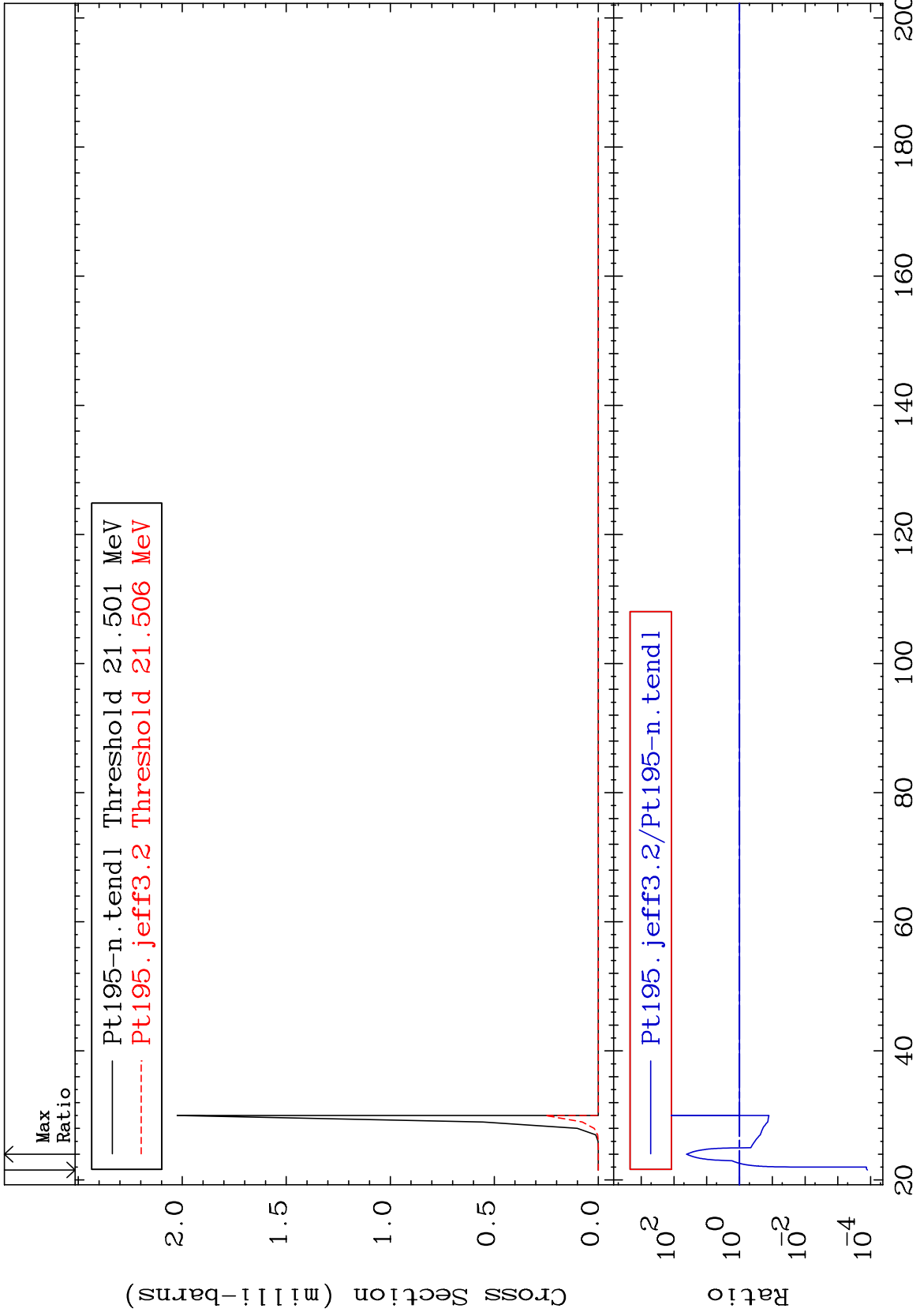
78-Pt-195
-87.86 To 9999. %



MAT 7840

(n,3n) p
Cross Section

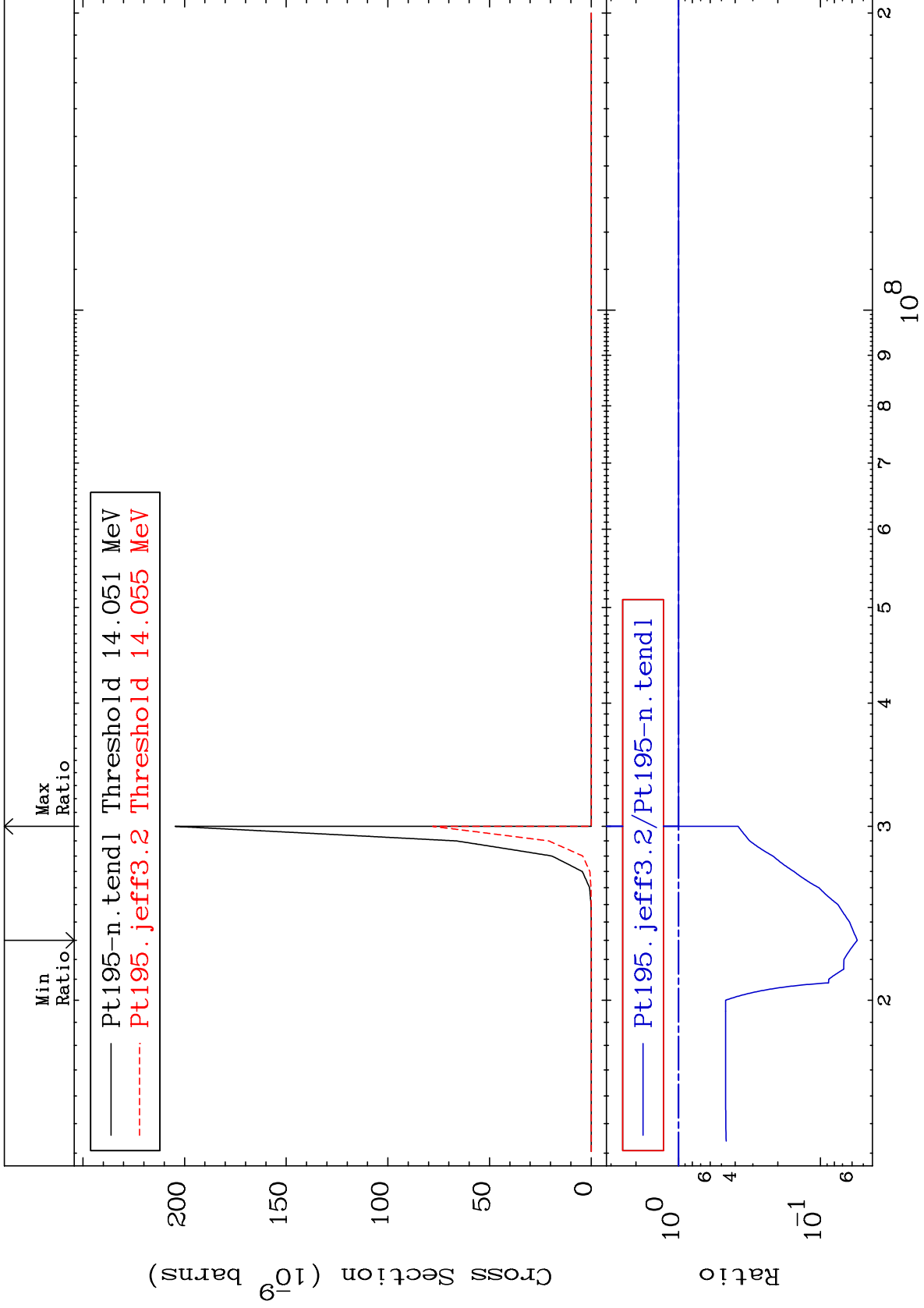
78-Pt-195
-99.99 To 3983. %



MAT 7840

(n,2n) p
Cross Section

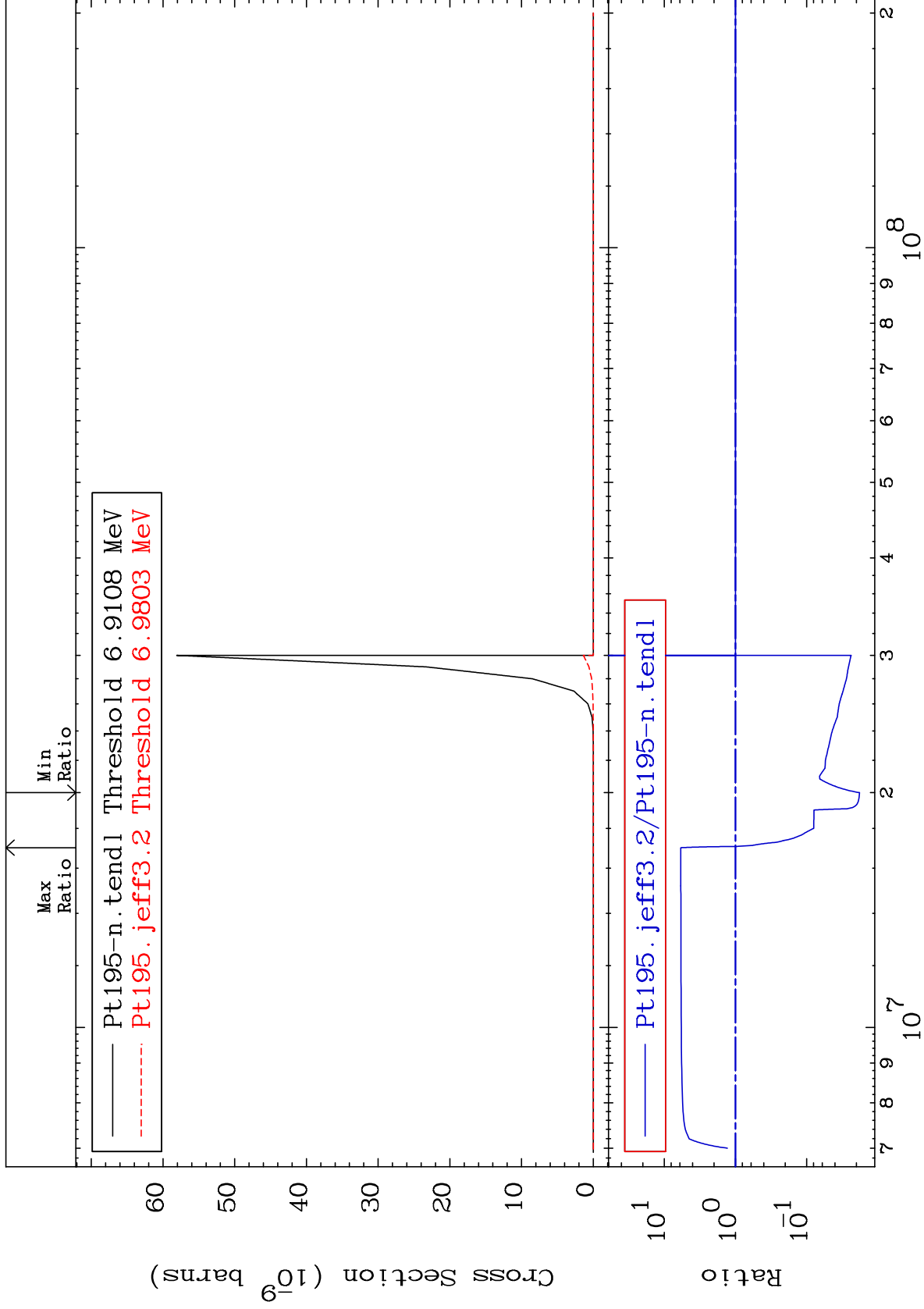
78-Pt-195
-94.49 To 0.000 %



MAT 7840

(n,n') p α
Cross Section

78-Pt-195
-98.20 To 484.8 %



18

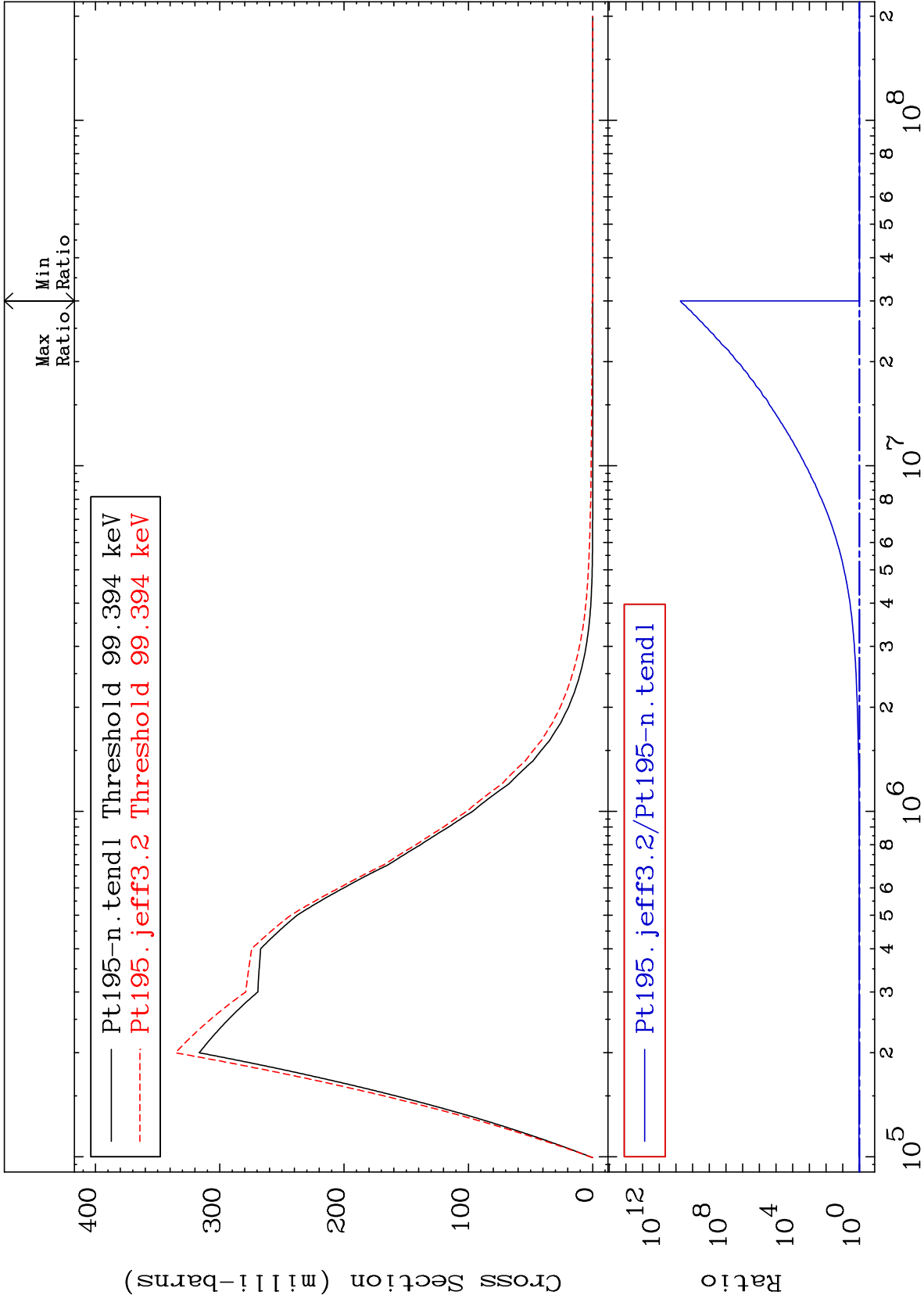
Incident Energy (eV)

78-Pt-195

MAT 7840

98.88 keV (n,n') Level
Cross Section

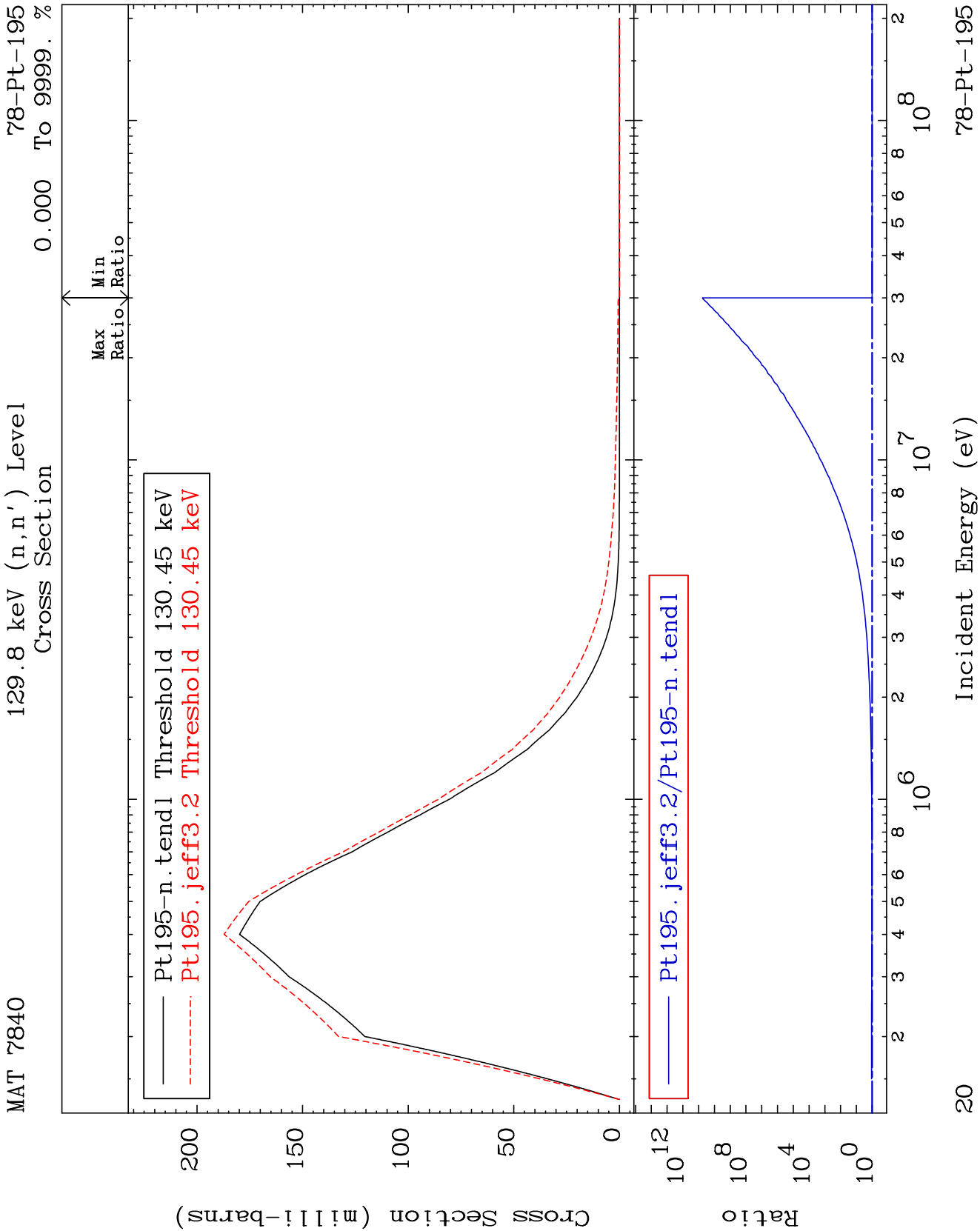
78-Pt-195
To 9999. %



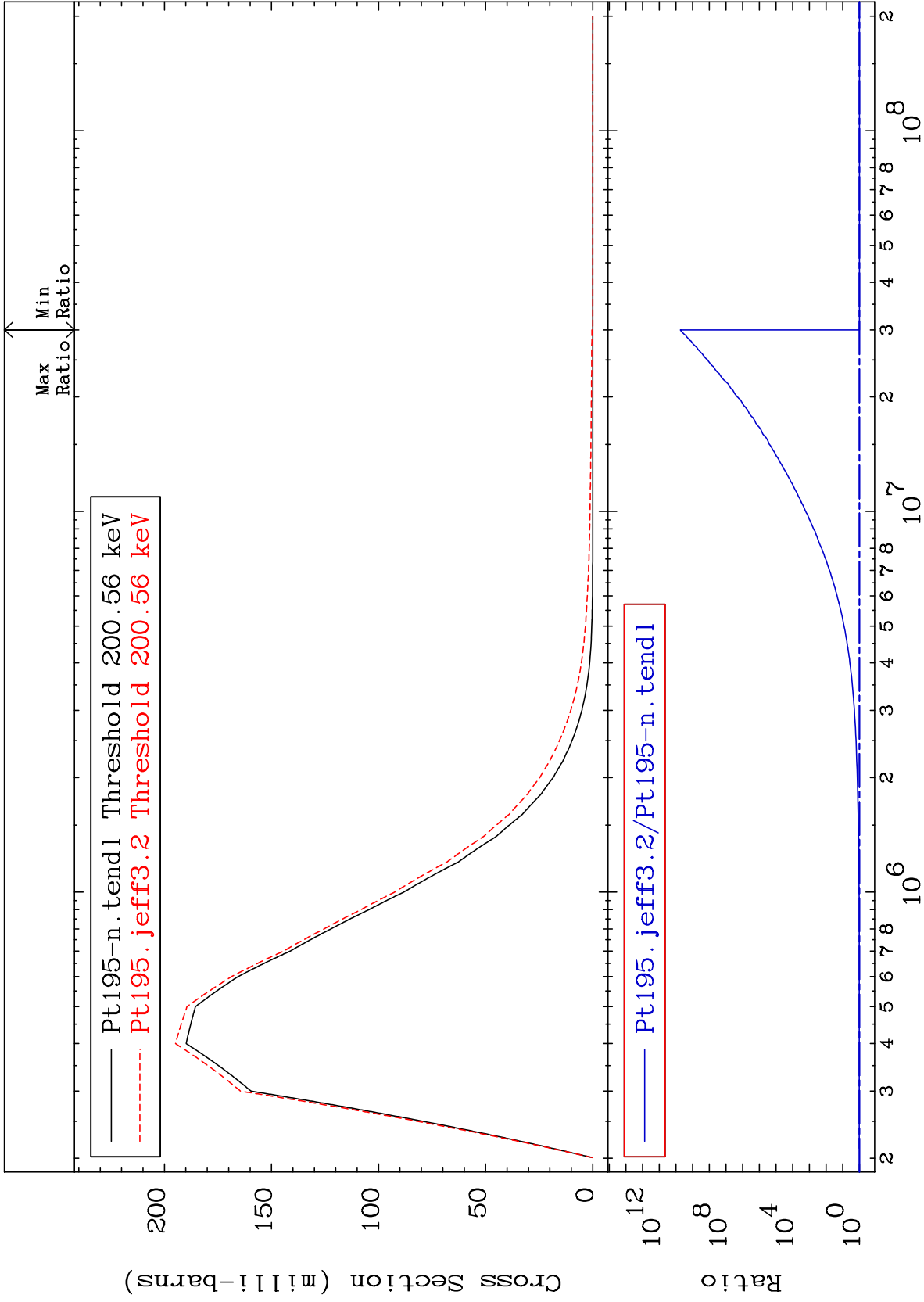
19

Incident Energy (eV)

78-Pt-195



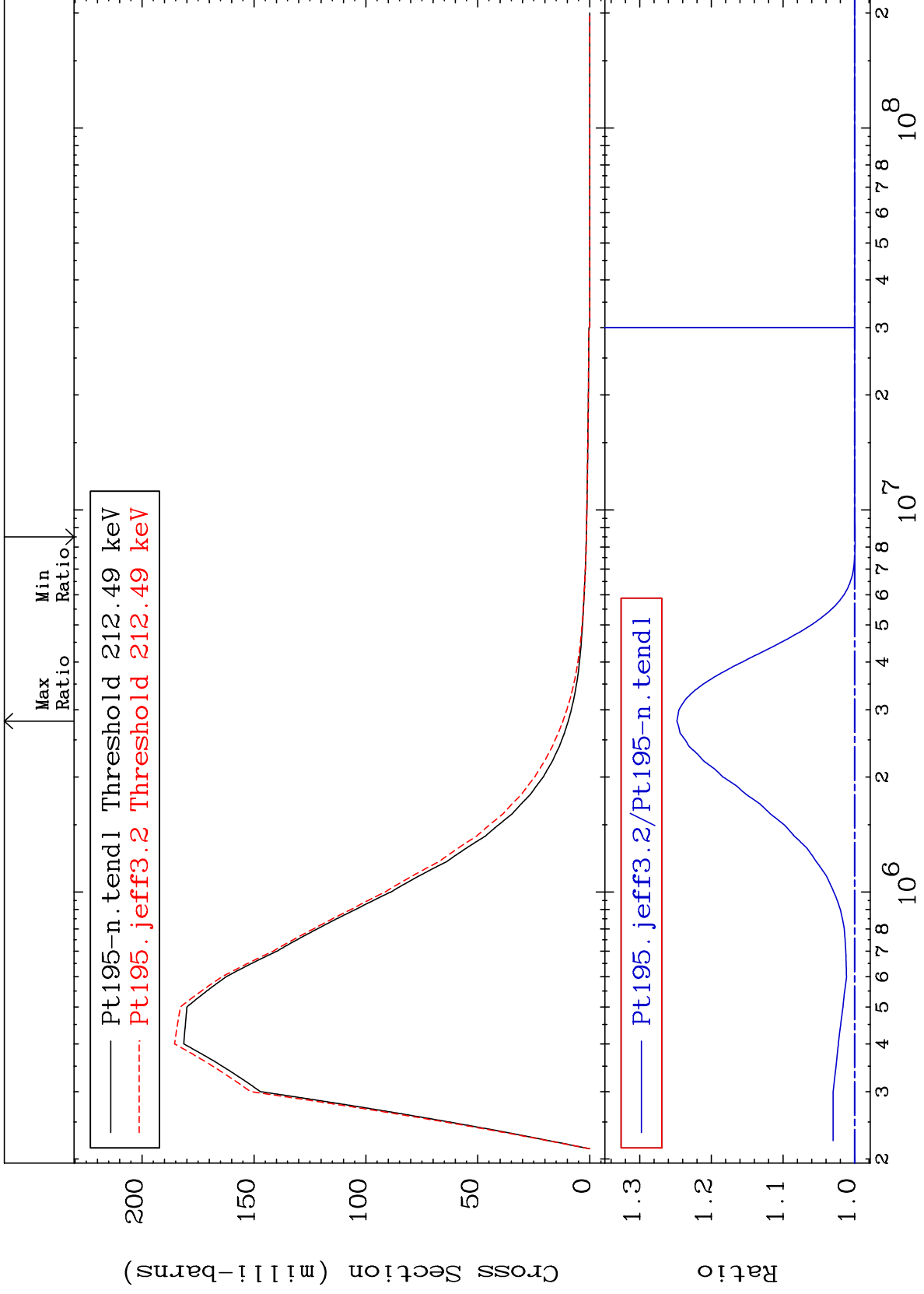
MAT 7840 199.5 keV (n,n') Level 78-Pt-195
 Cross Section To 9999. %



MAT 7840

211.4 keV (n,n') Level
Cross Section

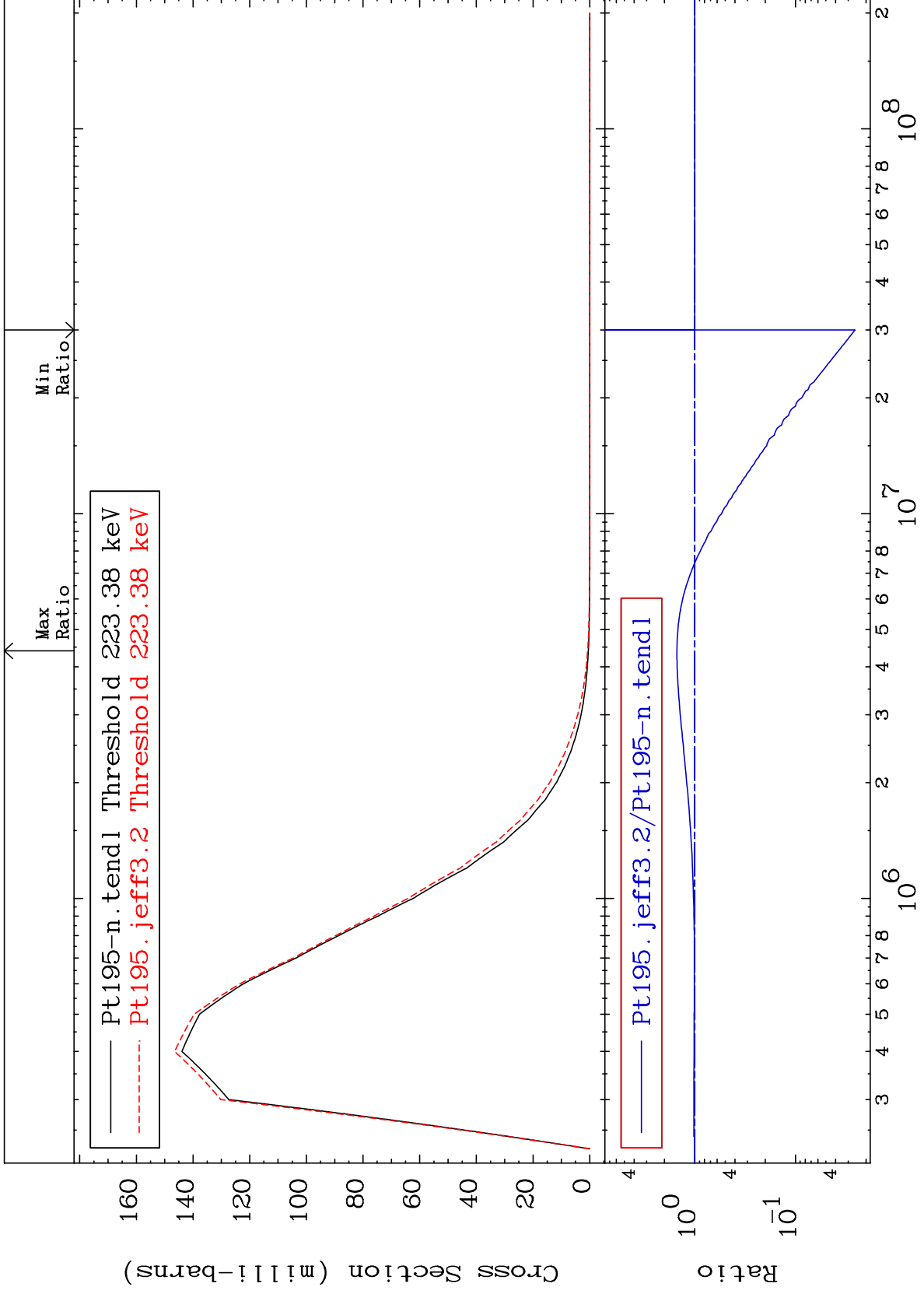
78-Pt-195
-0.068 To 24.81 %



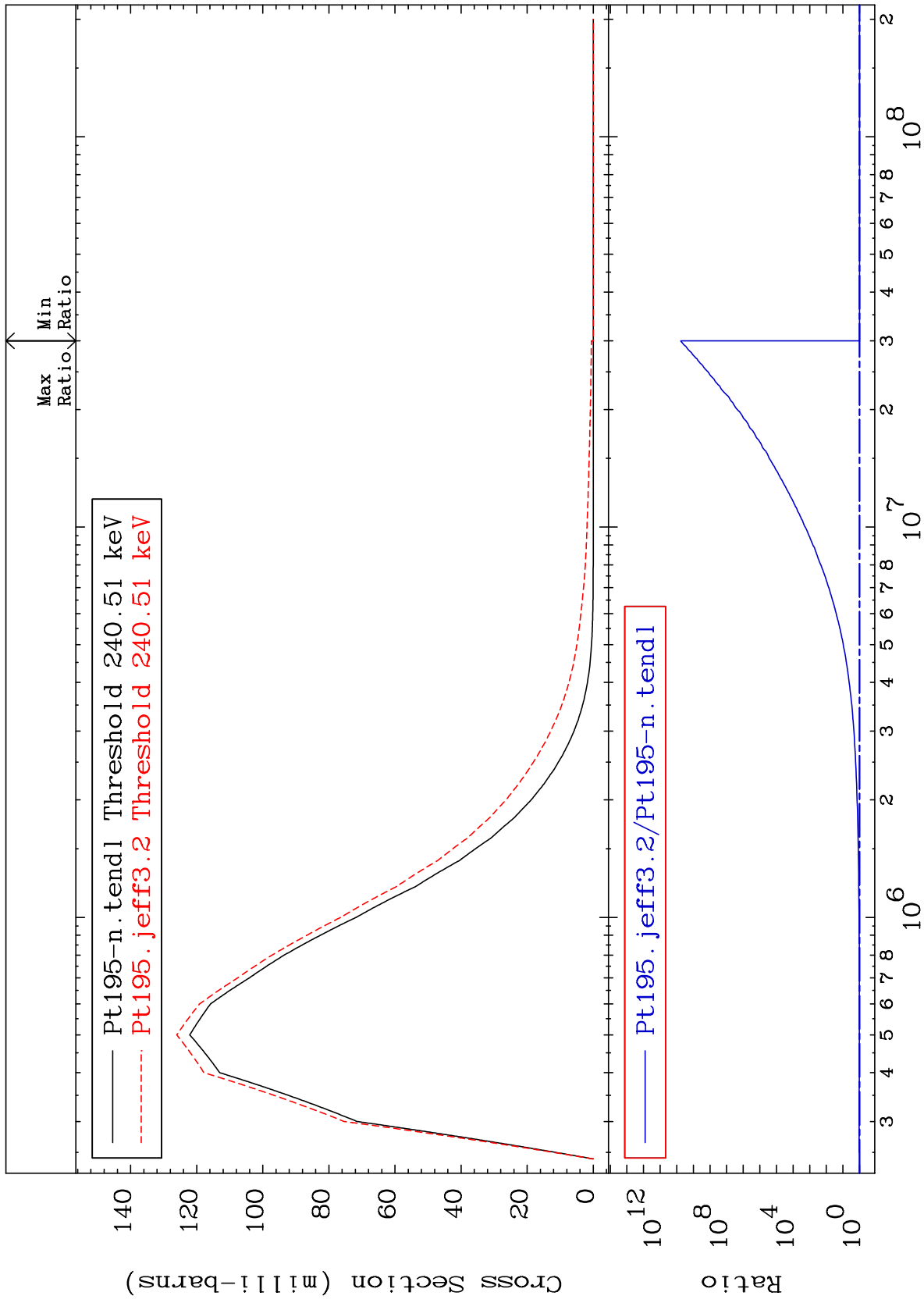
MAT 7840

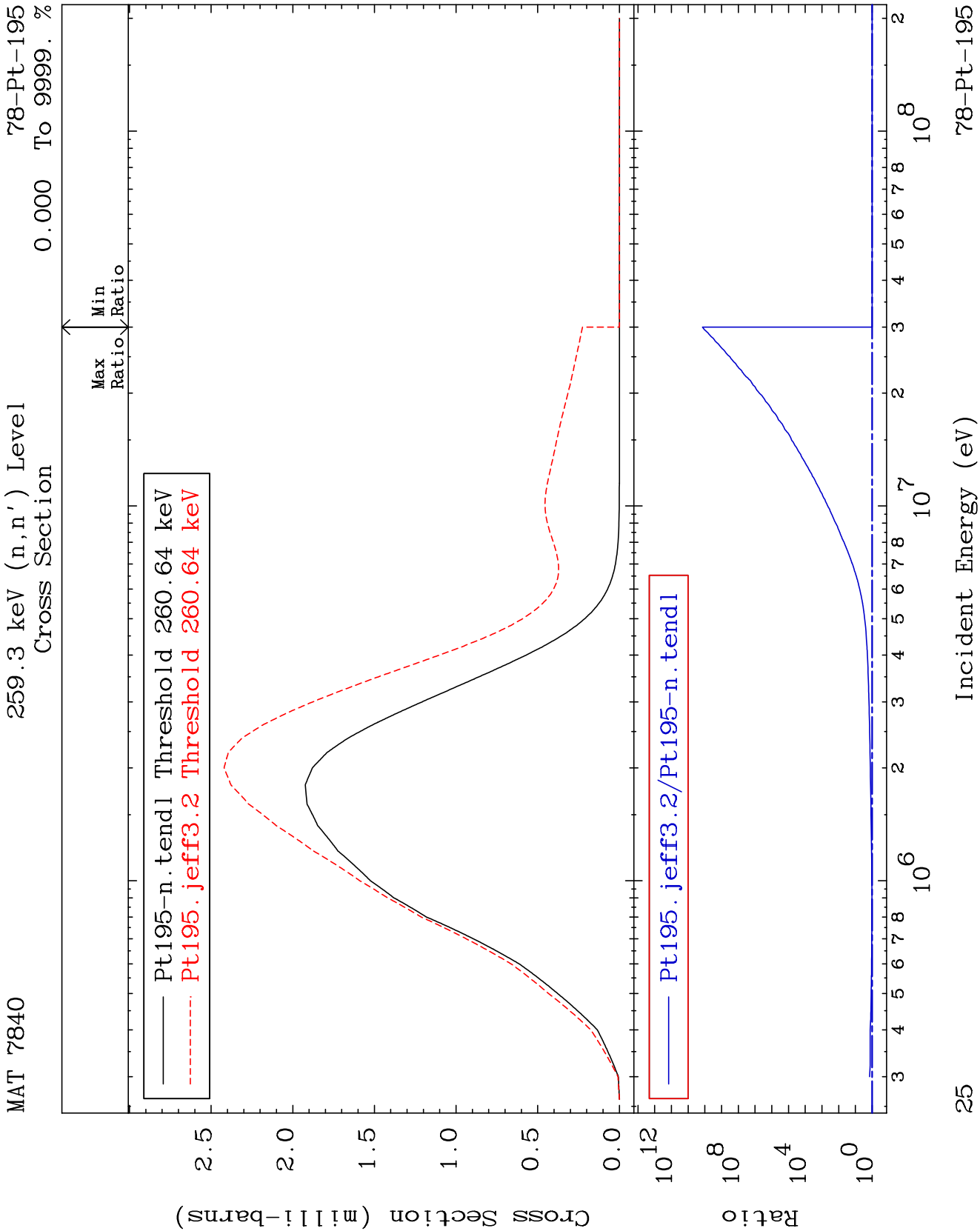
222.2 keV (n,n') Level
Cross Section

78-Pt-195
-97.43 To 50.37 %



MAT 7840 239.3 keV (n,n') Level 78-Pt-195
 Cross Section 0.000 To 9999. %

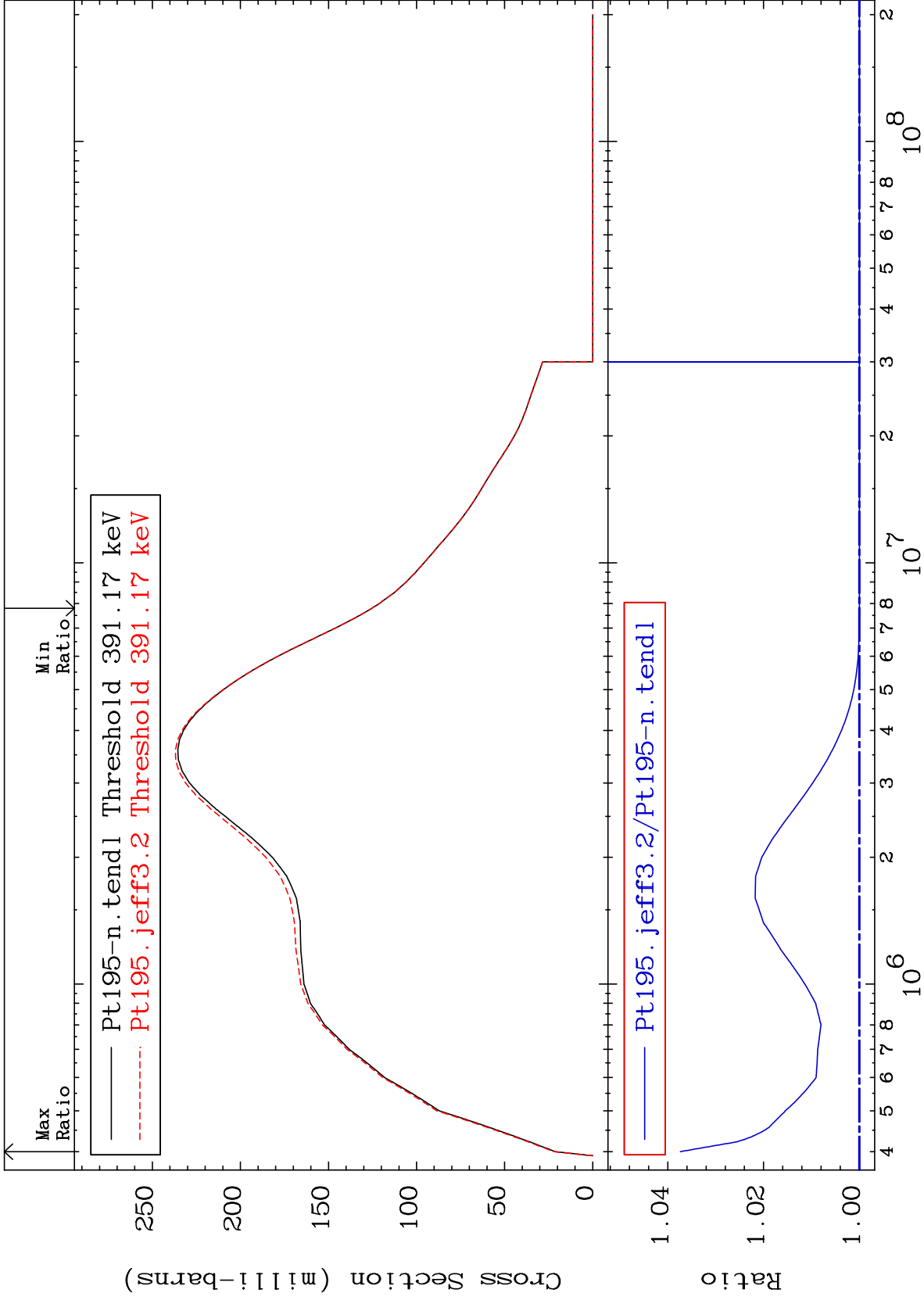




MAT 7840

389.2 keV (n,n') Level
Cross Section

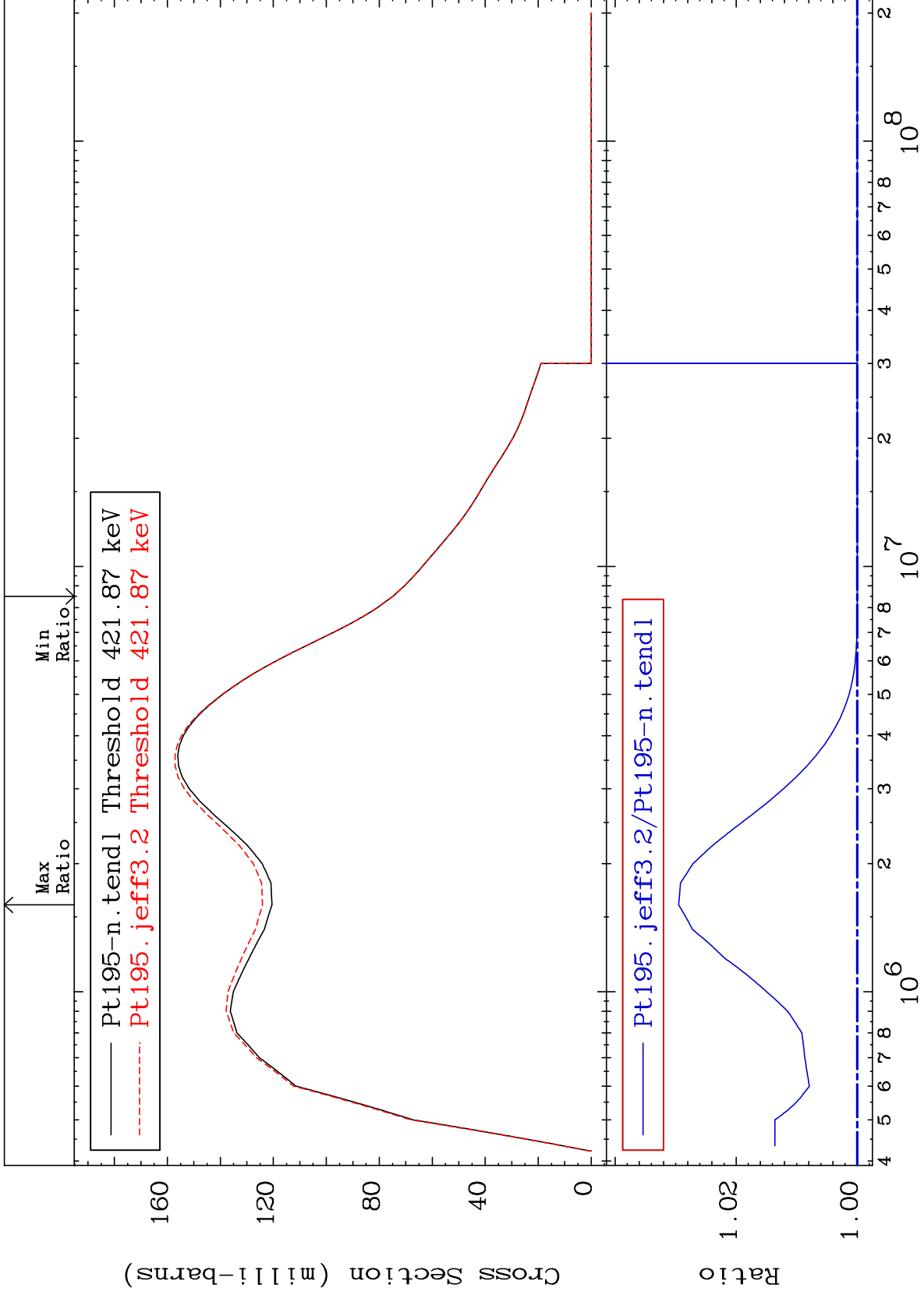
78-Pt-195
-0.002 To 3.738 %

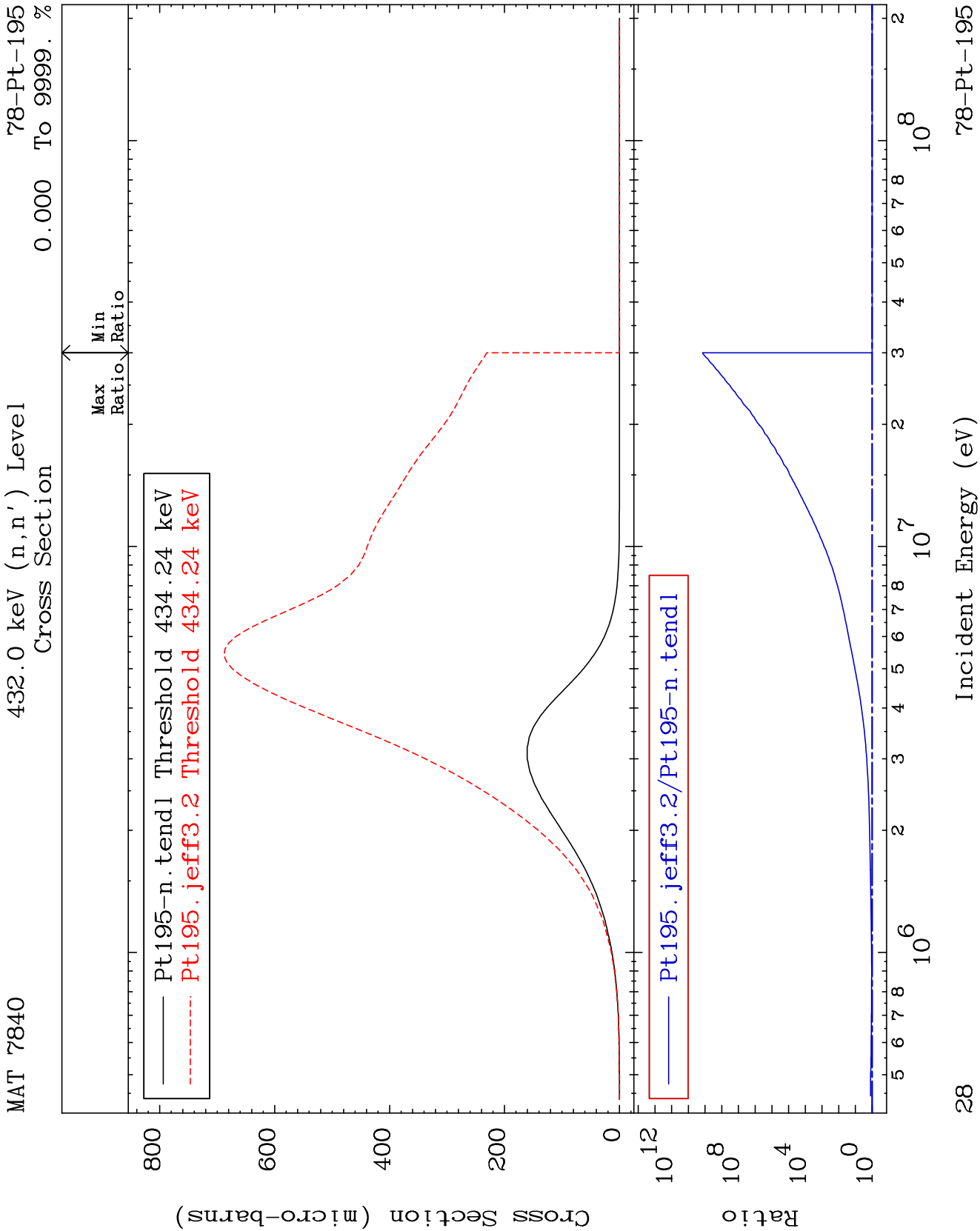


MAT 7840

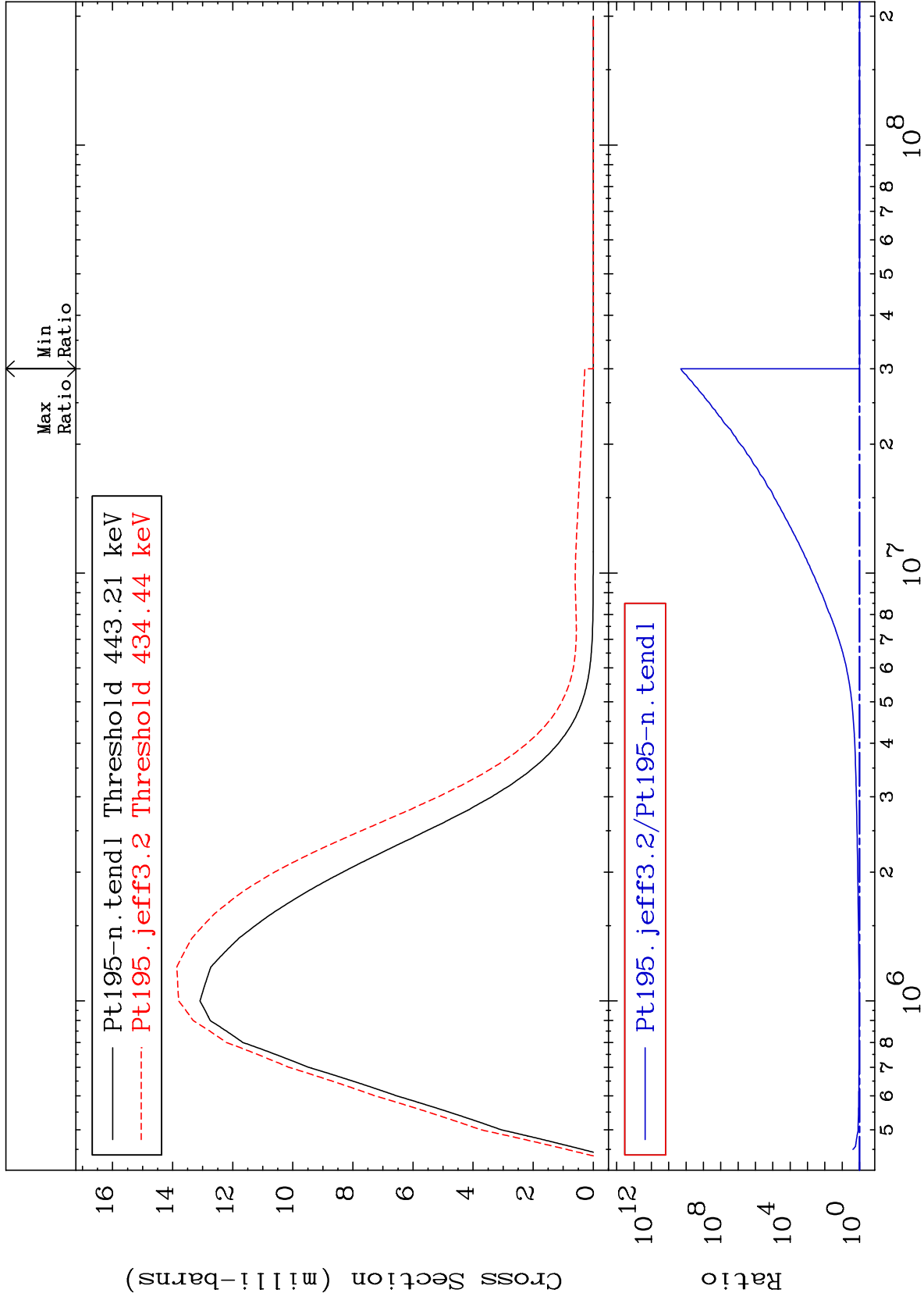
419.7 keV (n,n') Level
Cross Section

78-Pt-195
-0.001 To 2.950 %

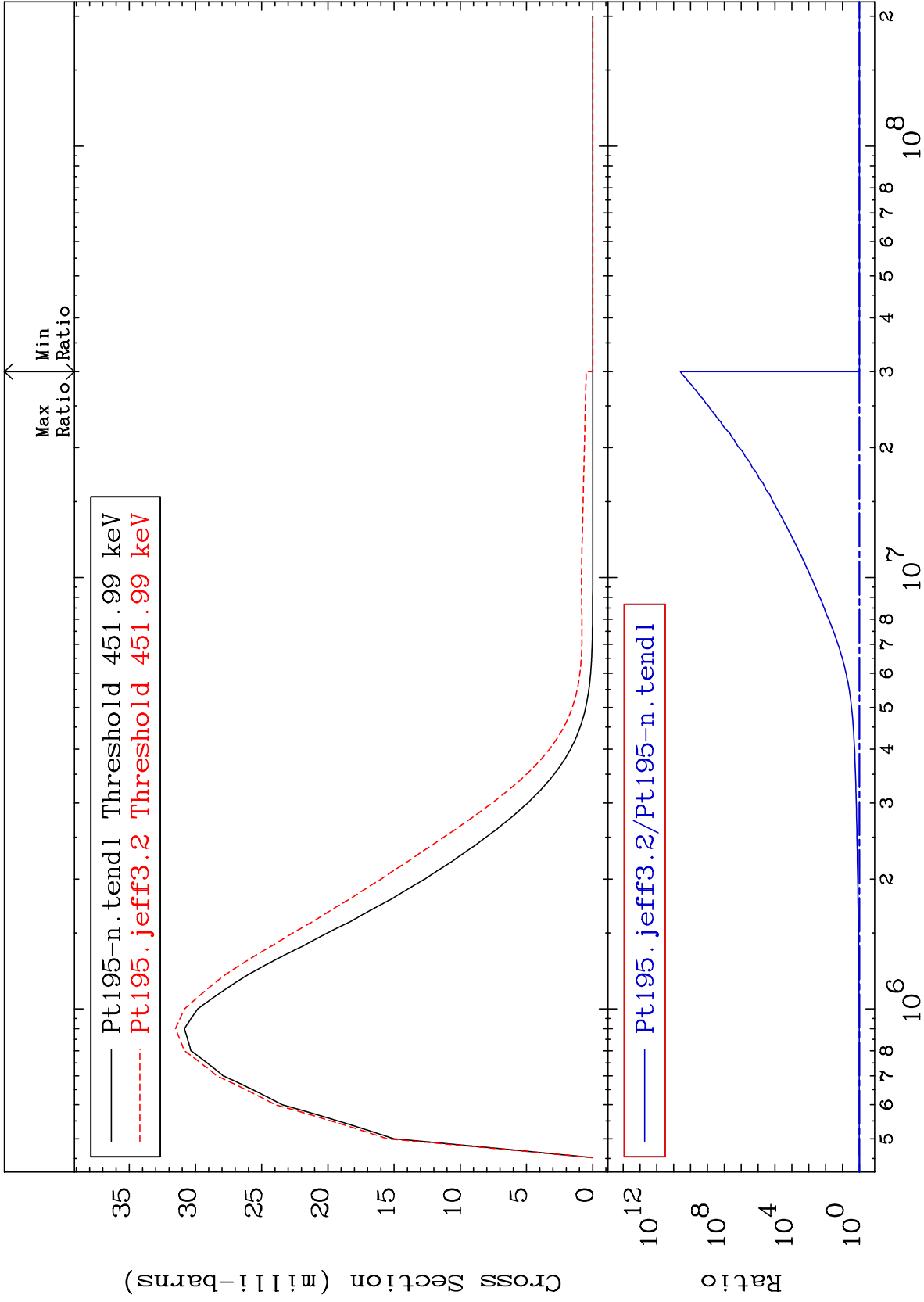




MAT 7840 440.9 keV (n,n') Level 78-Pt-195
 Cross Section 0.000 To 9999. %



MAT 7840 449.7 keV (n,n') Level 78-Pt-195
 Cross Section 0.000 To 9999. %



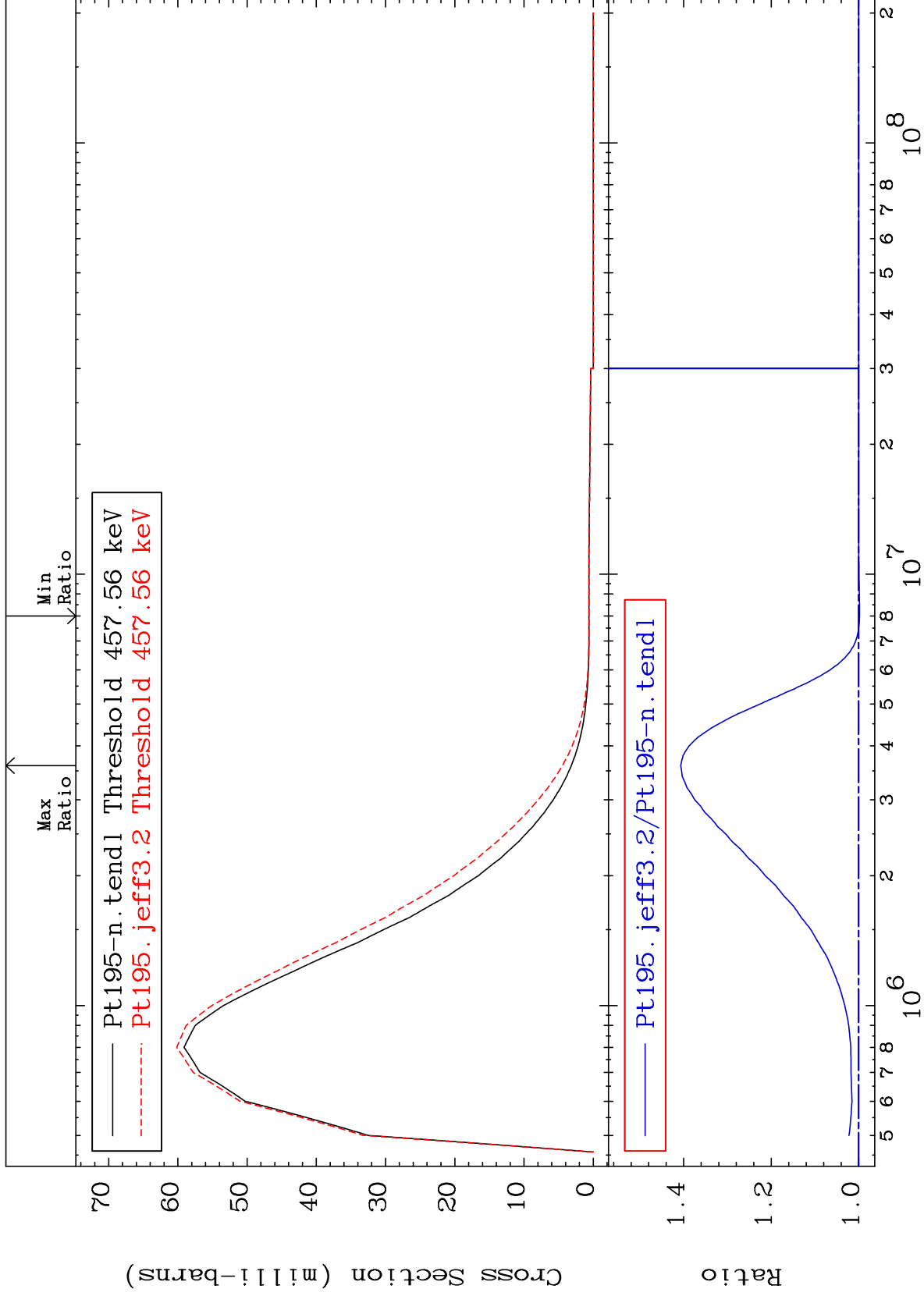
MAT 7840

455.2 keV (n,n') Level

78-Pt-195

Cross Section

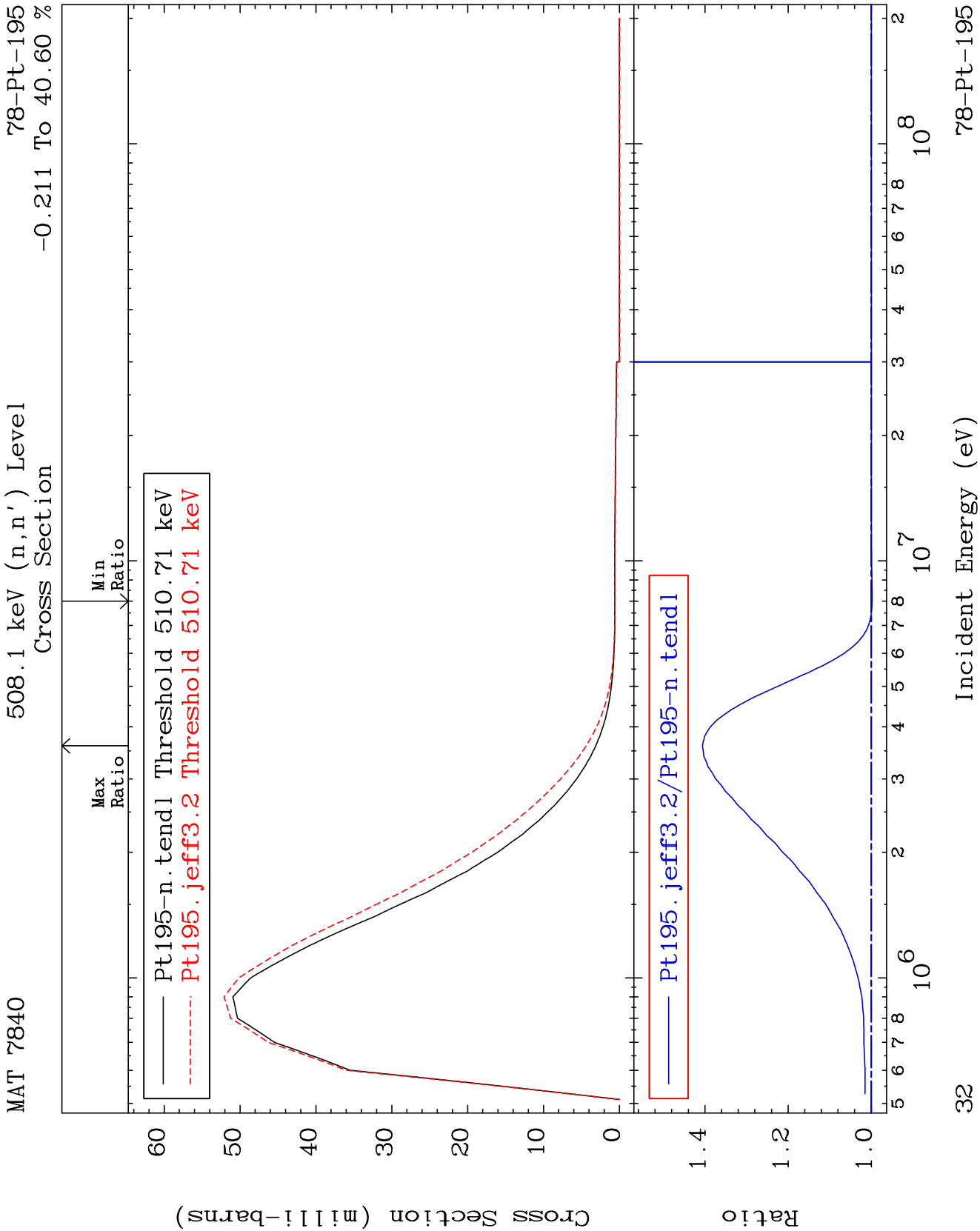
-0.211 To 40.68 %



31

Incident Energy (eV)

78-Pt-195



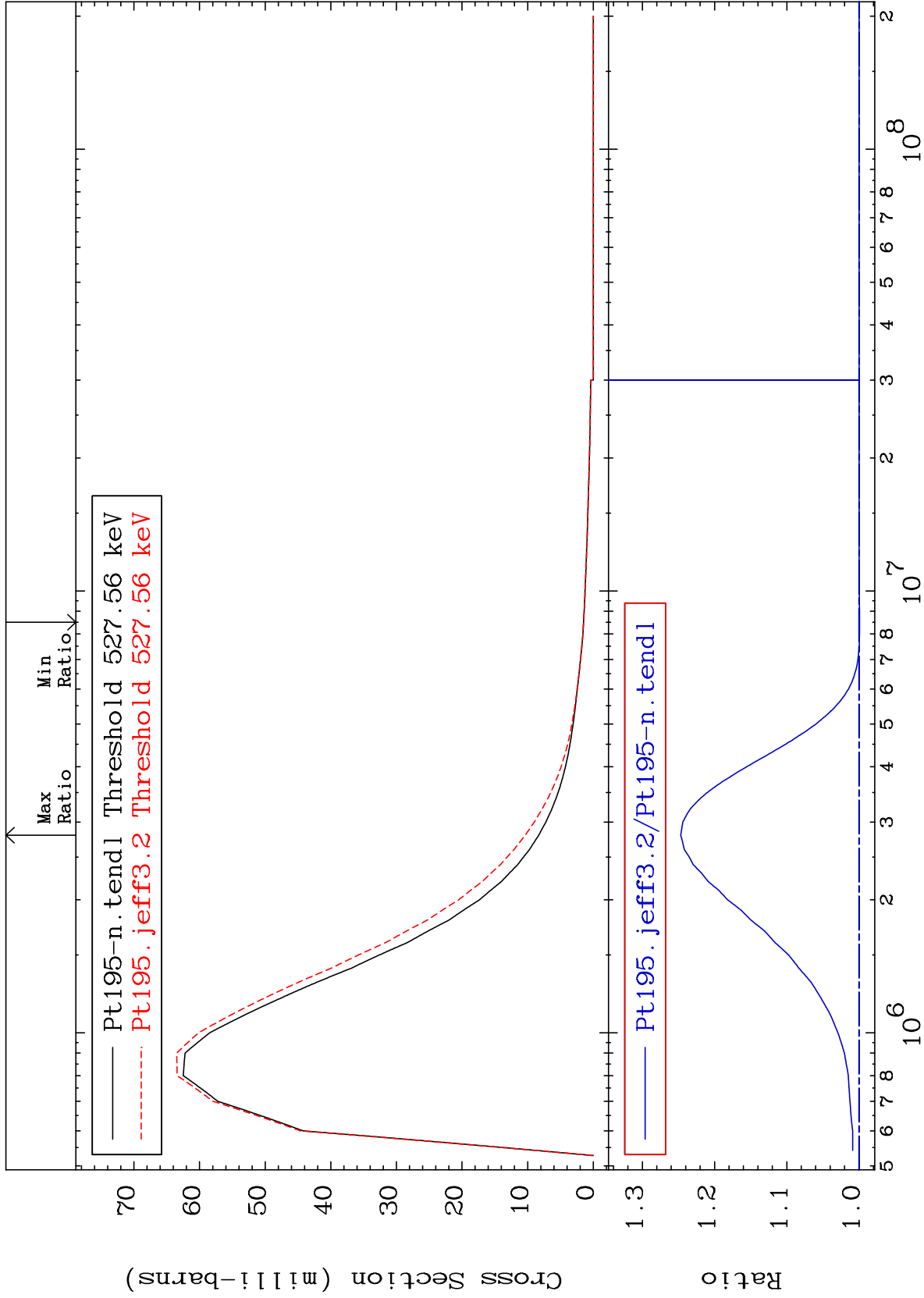
MAT 7840

524.8 keV (n,n') Level

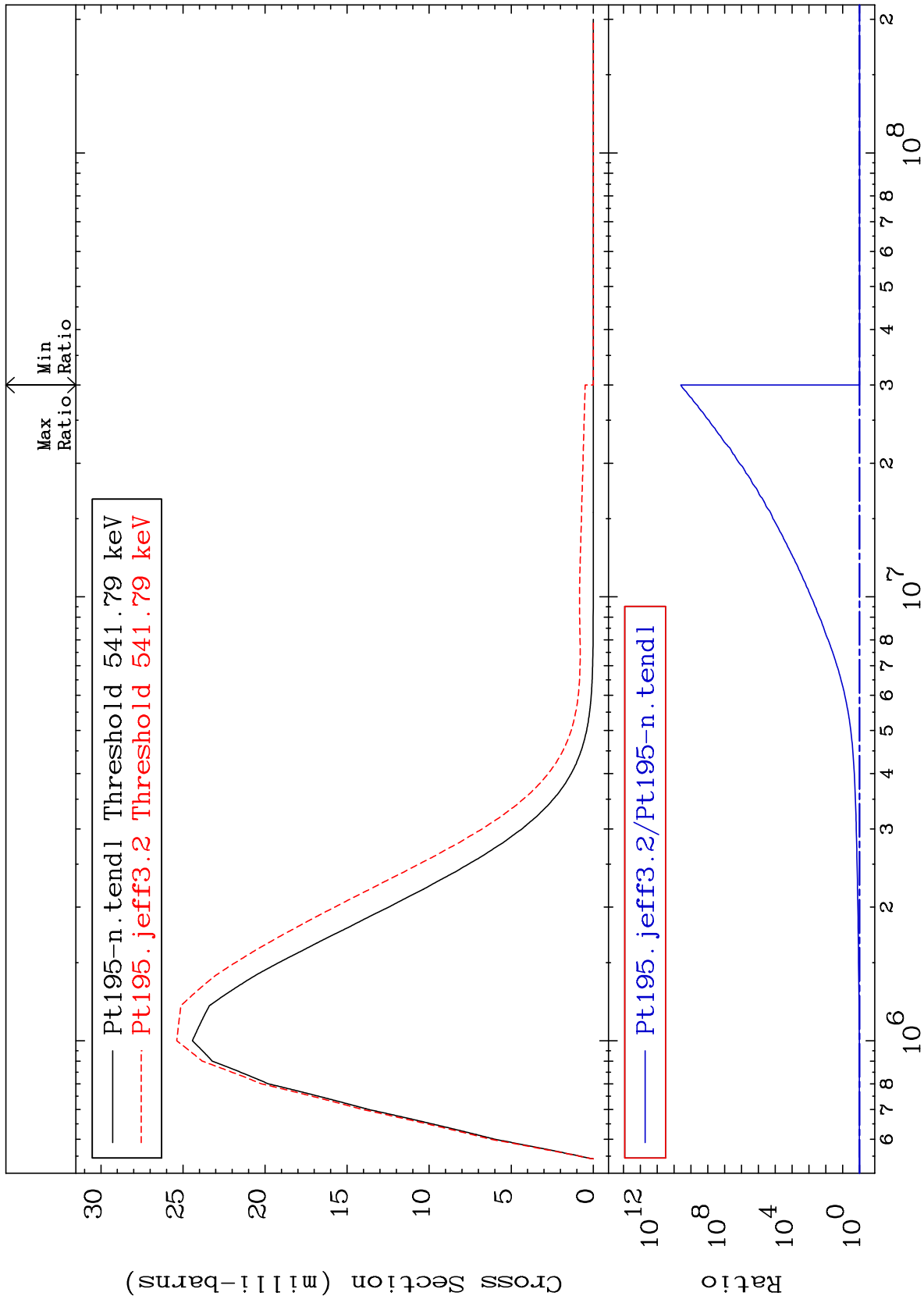
78-Pt-195

-0.068 To 24.68 %

Cross Section



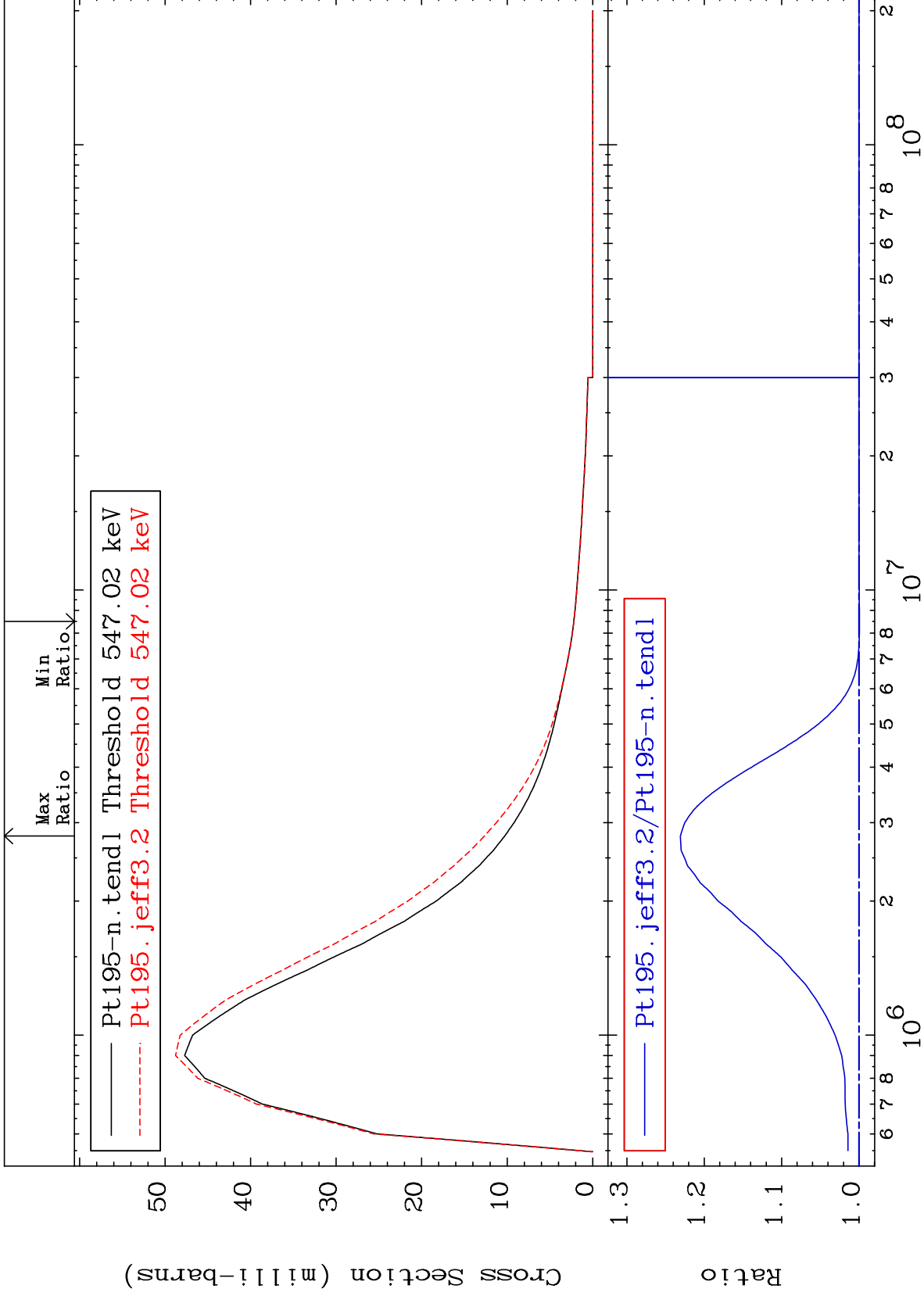
MAT 7840 539.0 keV (n,n') Level 78-Pt-195
 Cross Section To 9999. %



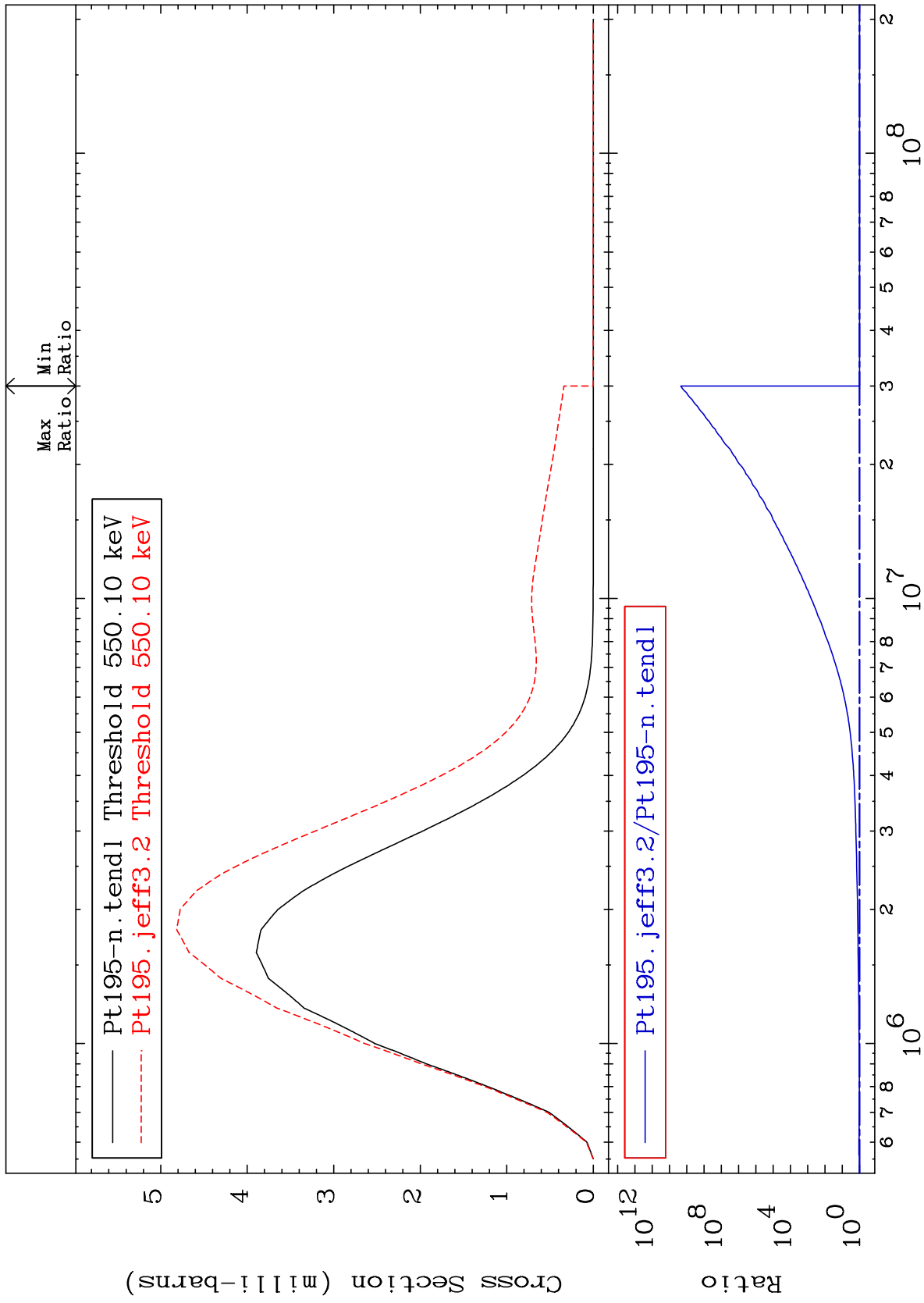
MAT 7840

544.2 keV (n,n') Level
Cross Section

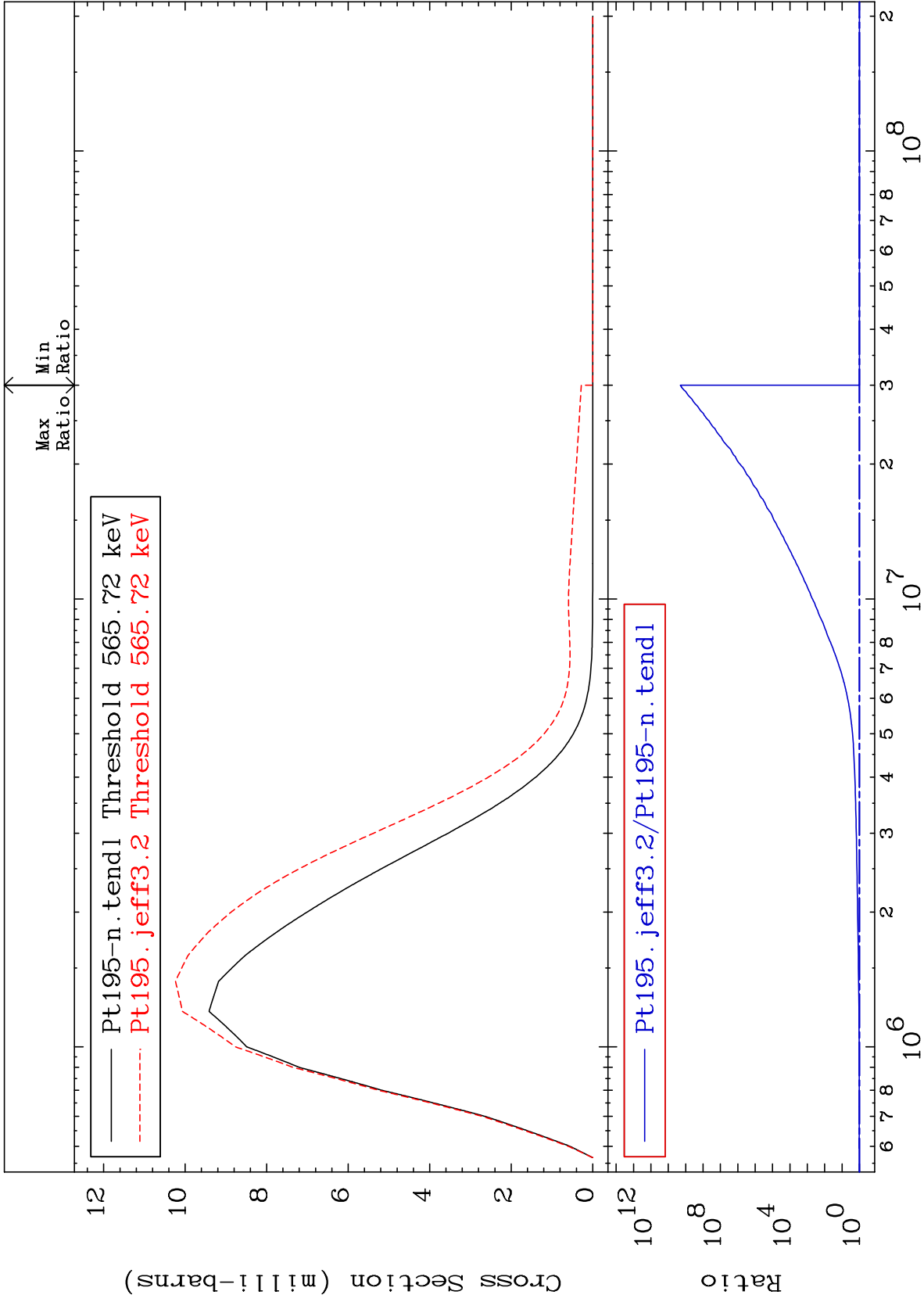
78-Pt-195
-0.059 To 23.08 %



MAT 7840 547.3 keV (n,n') Level 78-Pt-195
 Cross Section 0.000 To 9999. %



MAT 7840 562.8 keV (n,n') Level 78-Pt-195
 Cross Section To 9999. %



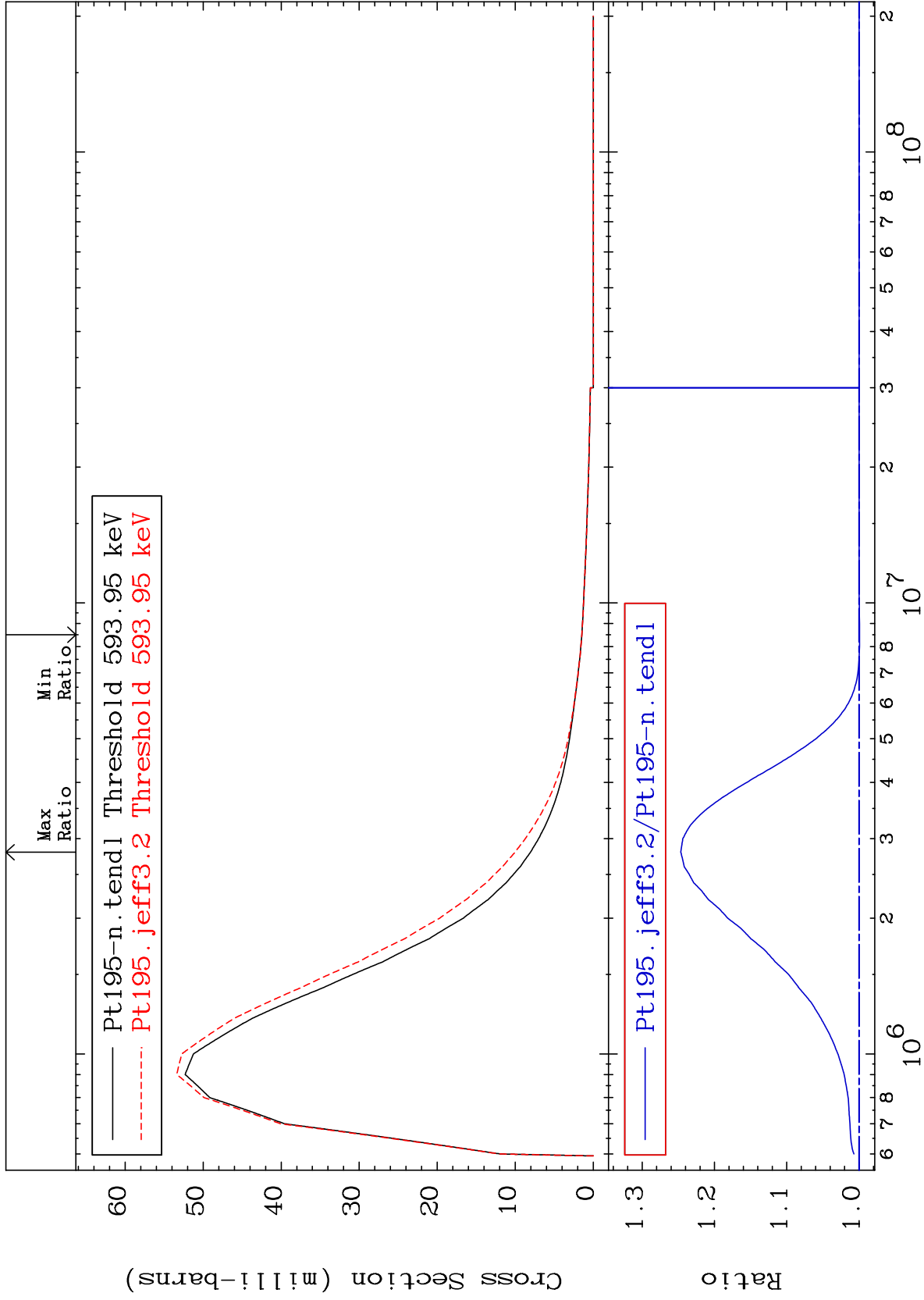
MAT 7840

590.9 keV (n,n') Level

78-Pt-195

-0.068 To 24.66 %

Cross Section

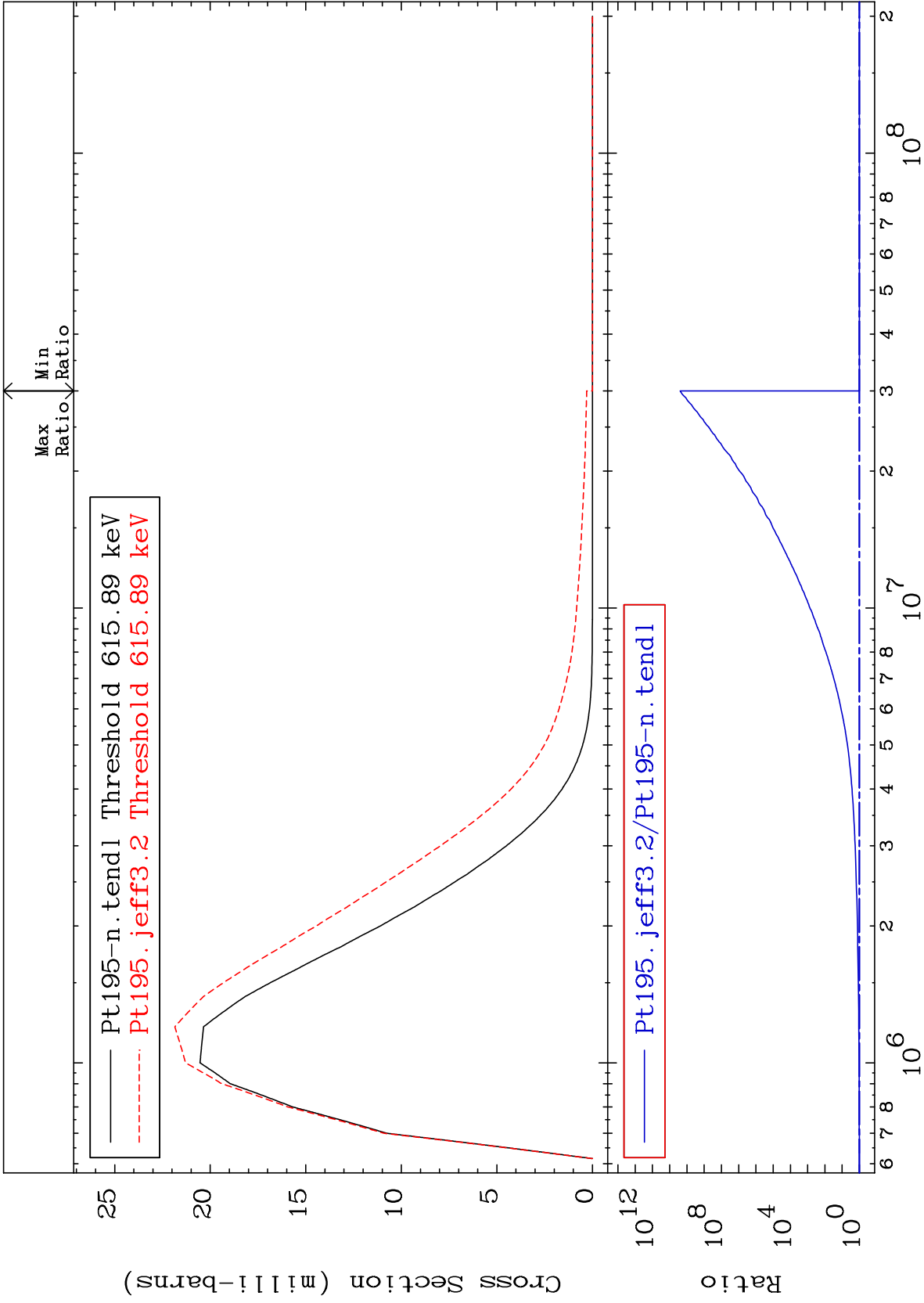


38

Incident Energy (eV)

78-Pt-195

MAT 7840 612.7 keV (n,n') Level 78-Pt-195
 Cross Section To 9999. %



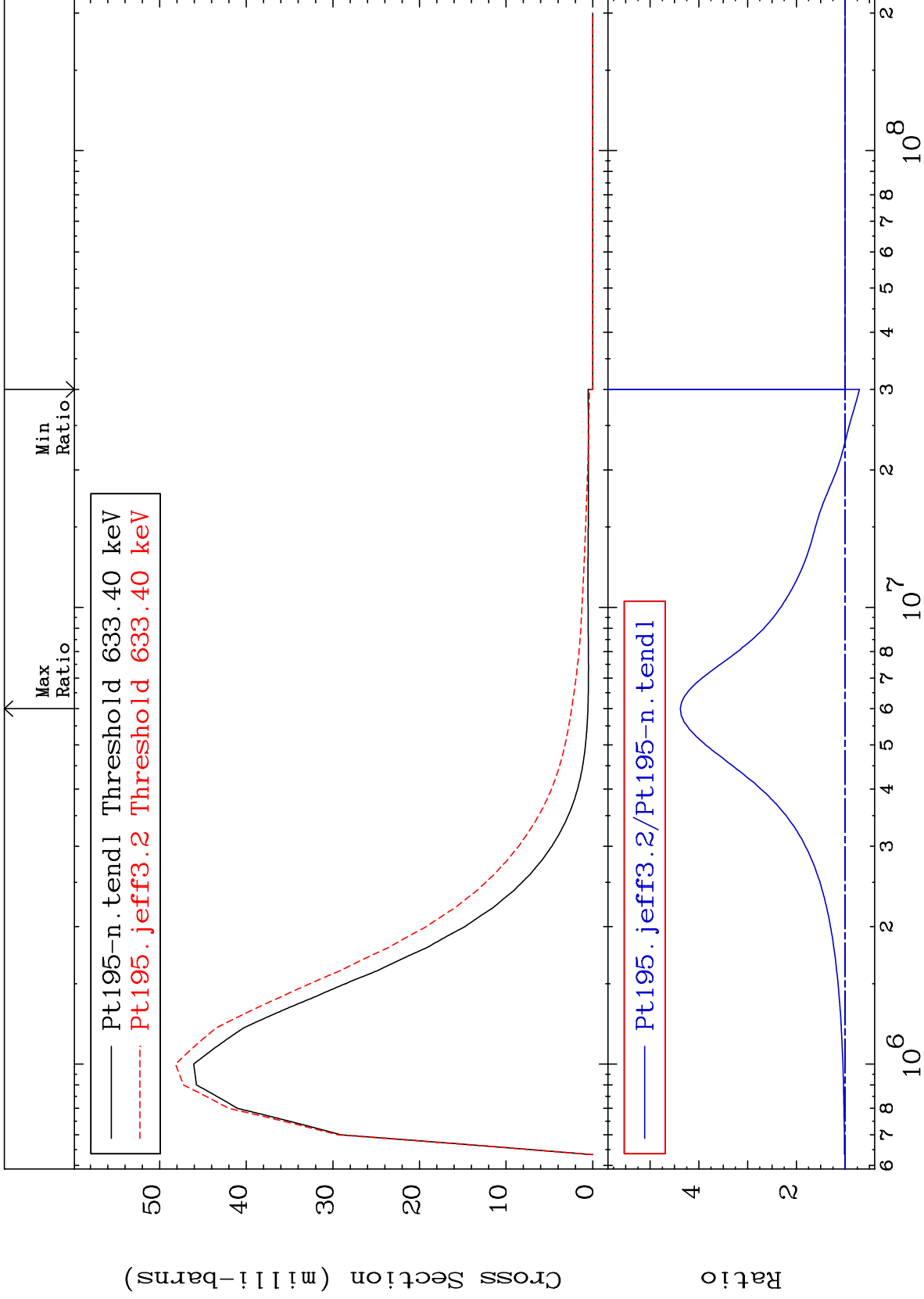
MAT 7840

630.1 keV (n,n') Level

78-Pt-195

-29.36 To 338.0 %

Cross Section



40

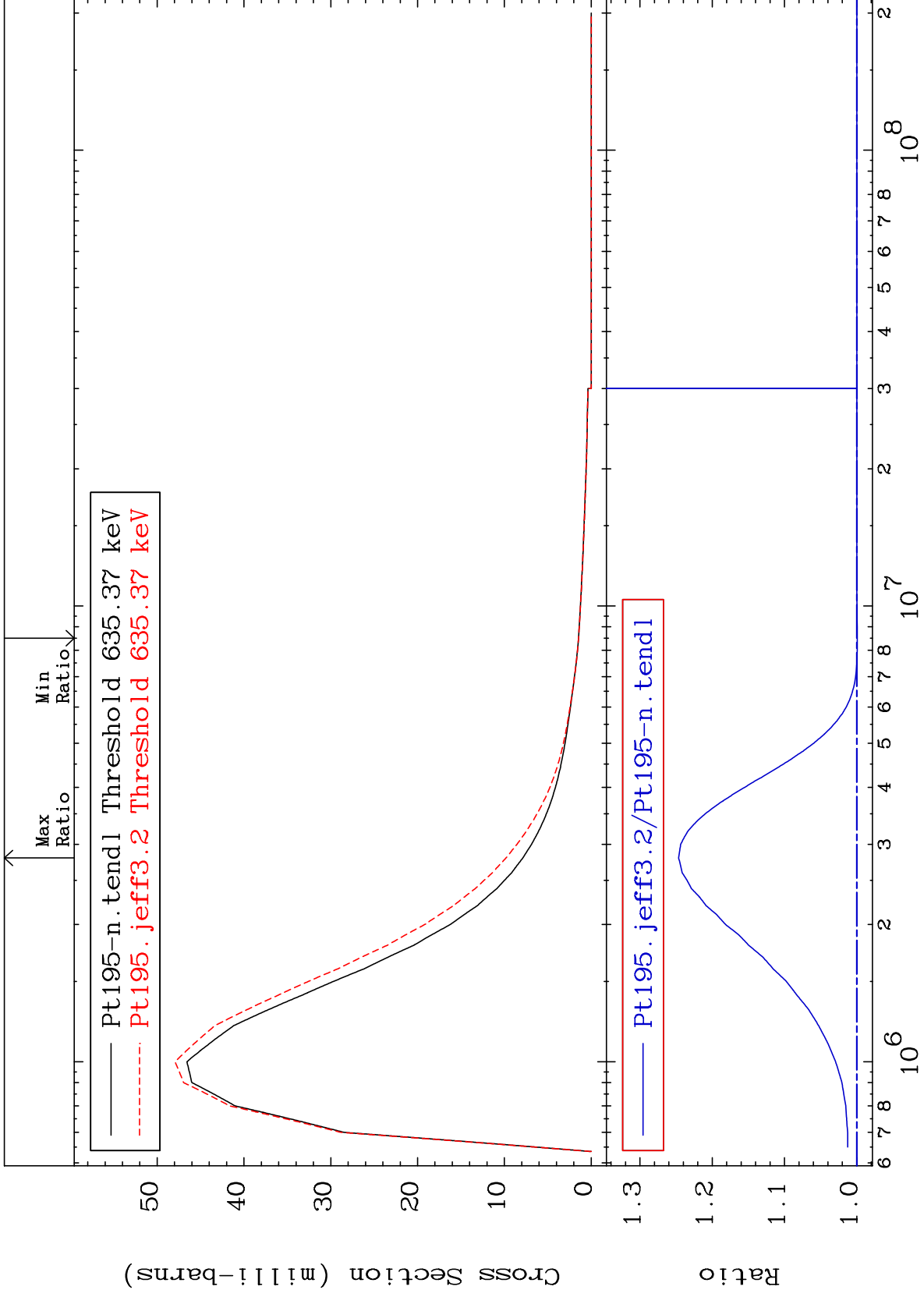
Incident Energy (eV)

78-Pt-195

MAT 7840

632.1 keV (n,n') Level
Cross Section

78-Pt-195
-0.068 To 24.64 %



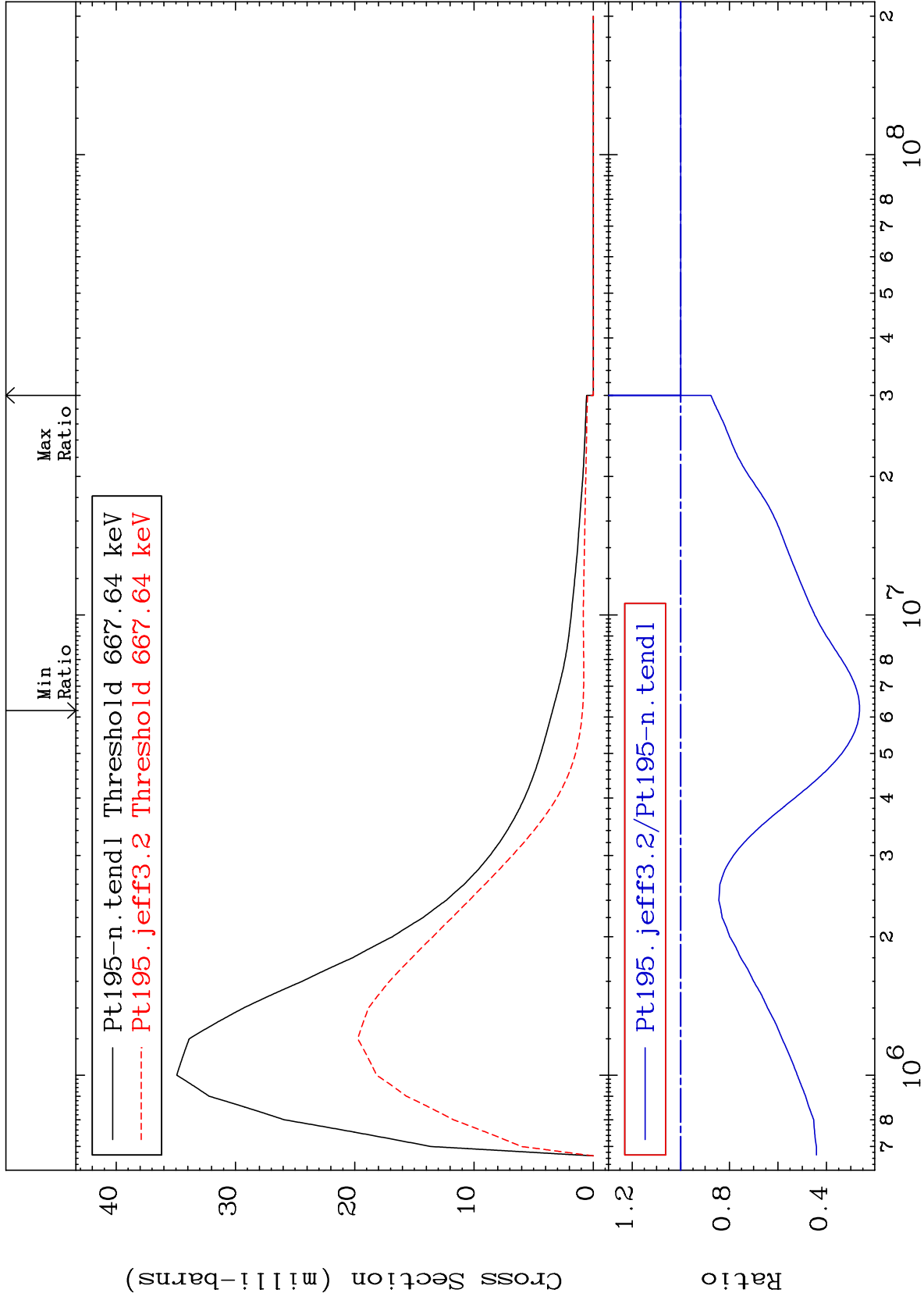
MAT 7840

664.2 keV (n,n') Level

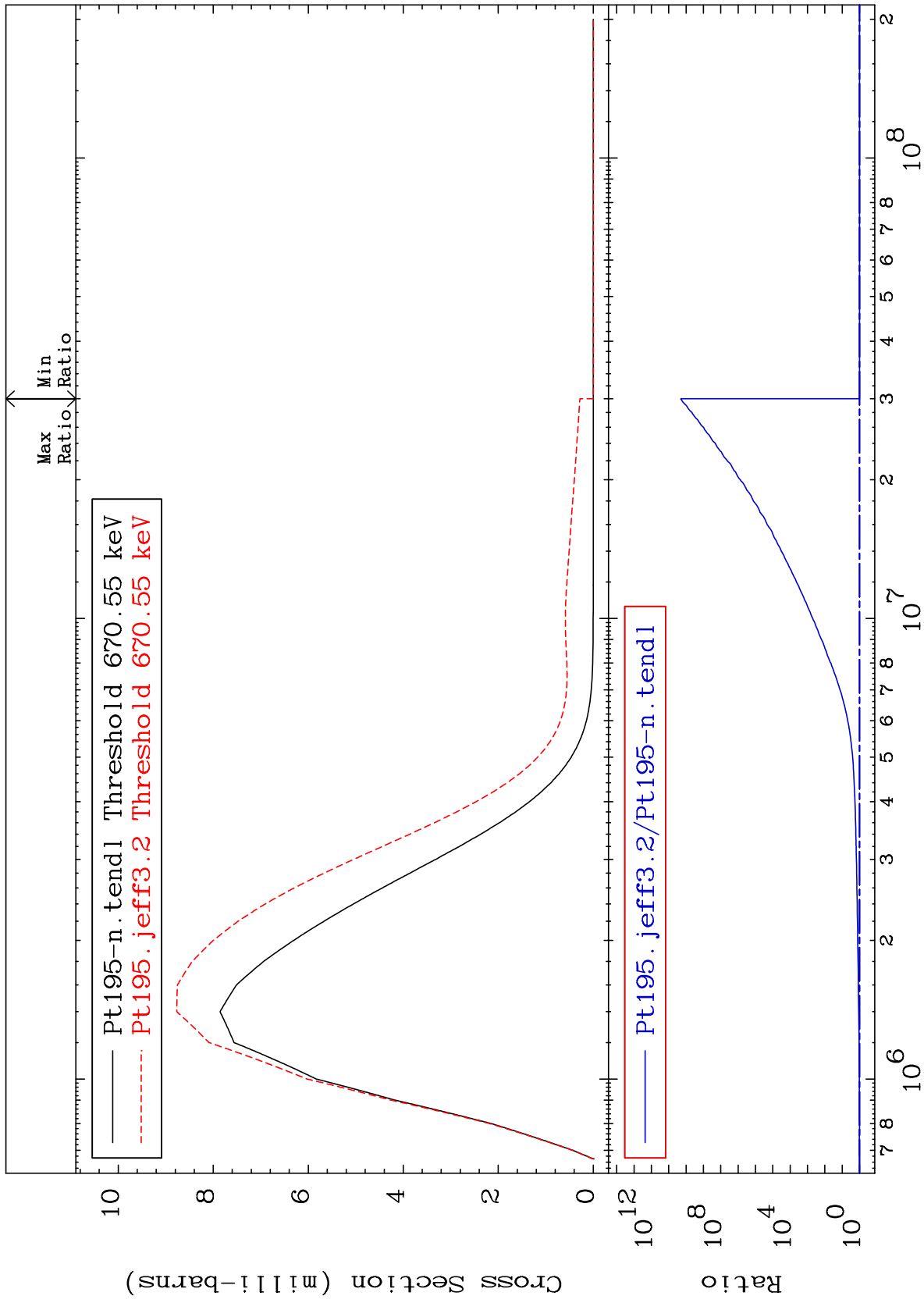
78-Pt-195

-73.59 To 0.000 %

Cross Section



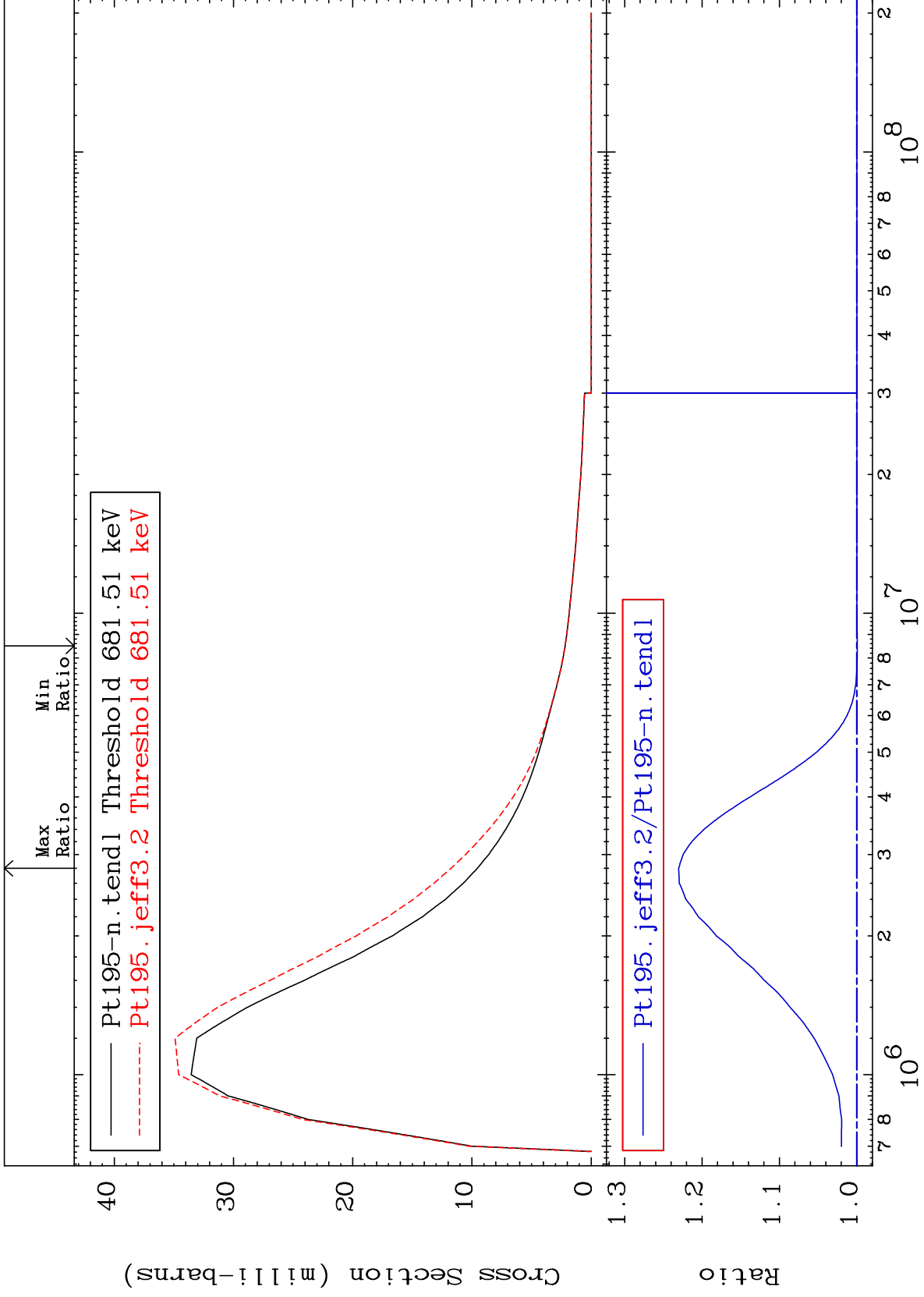
MAT 7840 667.1 keV (n,n') Level 78-Pt-195
 Cross Section 0.000 To 9999. %



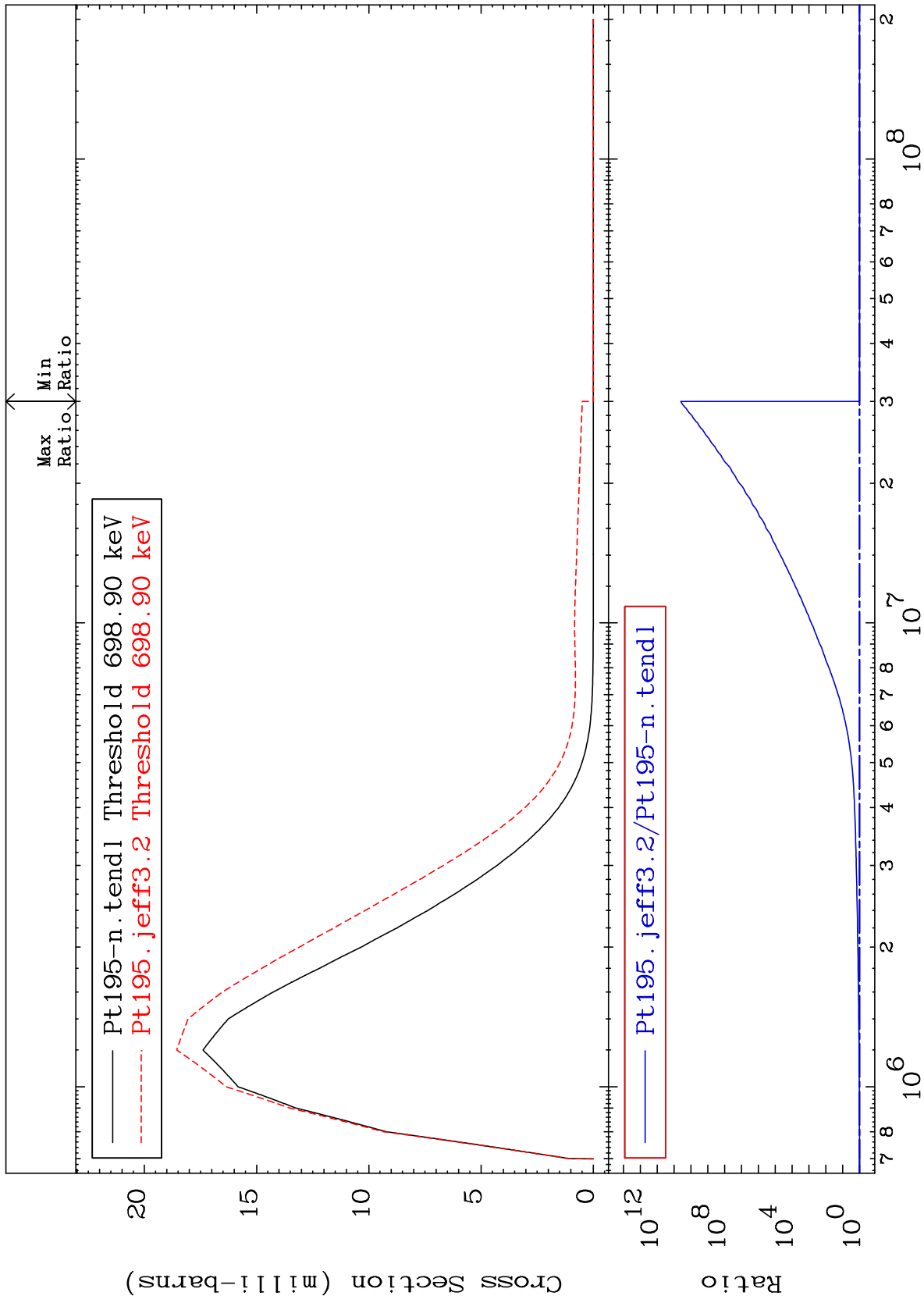
MAT 7840

678.0 keV (n,n') Level
Cross Section

78-Pt-195
-0.059 To 23.03 %



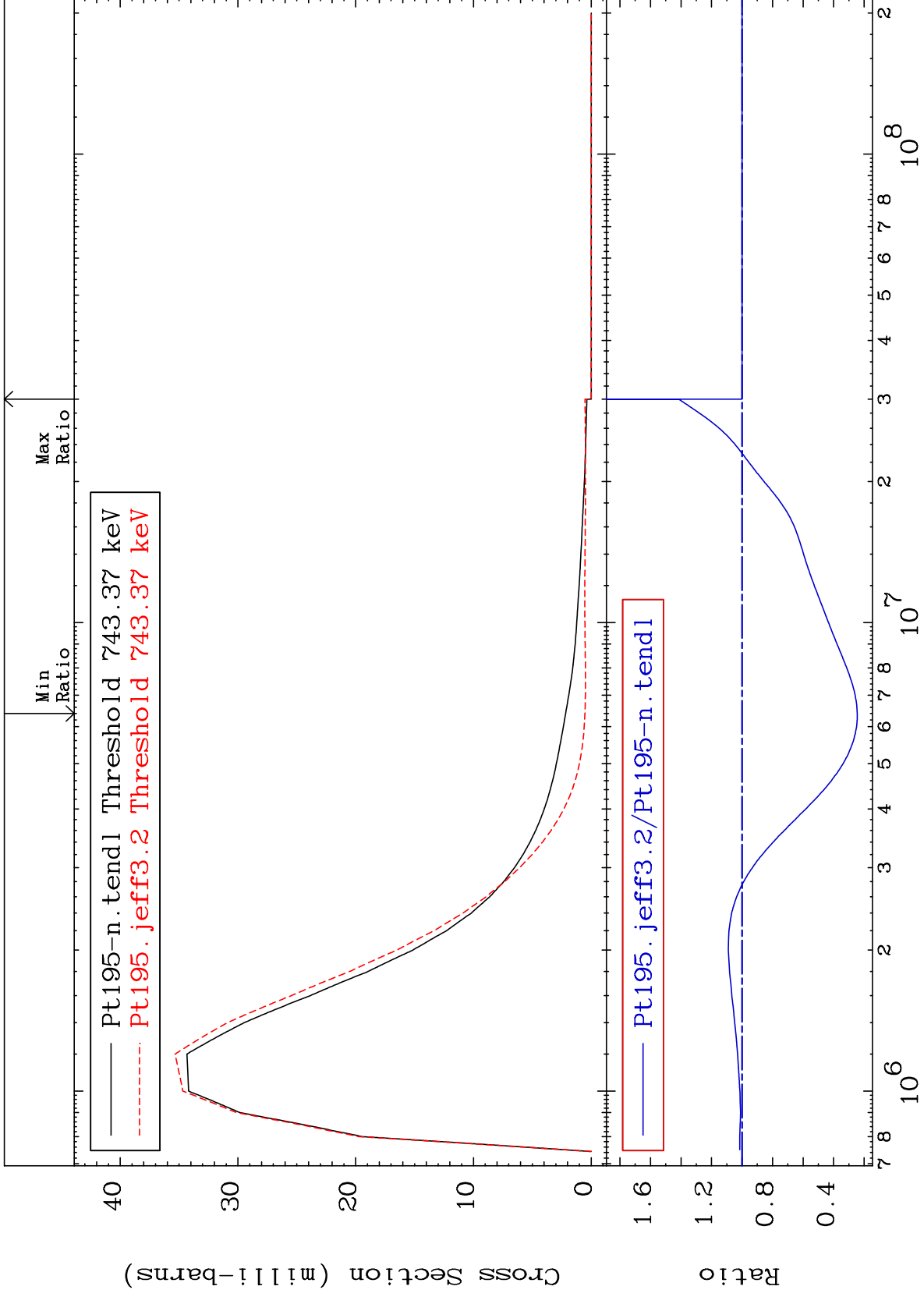
MAT 7840 695.3 keV (n,n') Level 78-Pt-195
 Cross Section To 9999. %



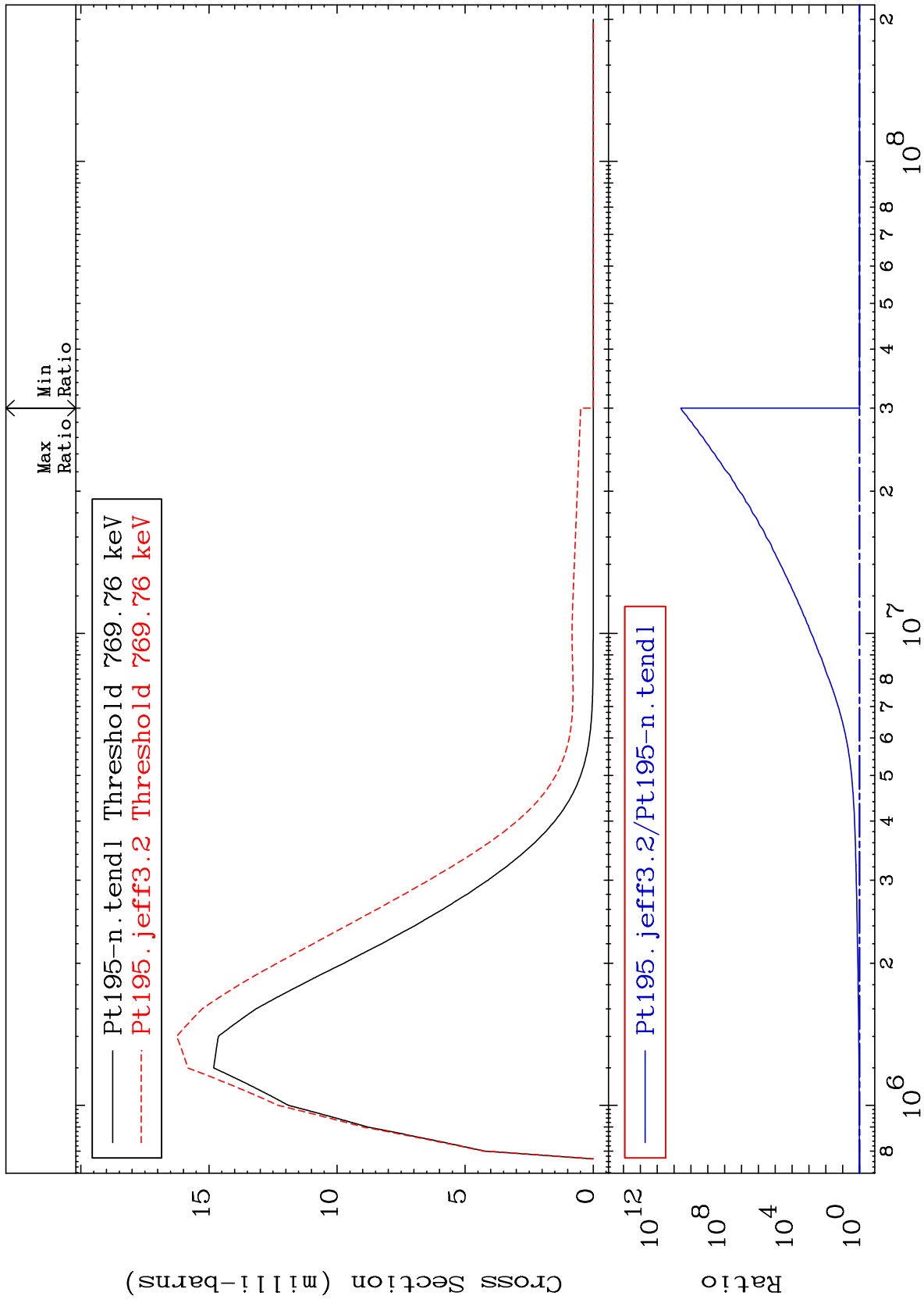
MAT 7840

739.5 keV (n,n') Level
Cross Section

78-Pt-195
-75.48 To 41.54 %



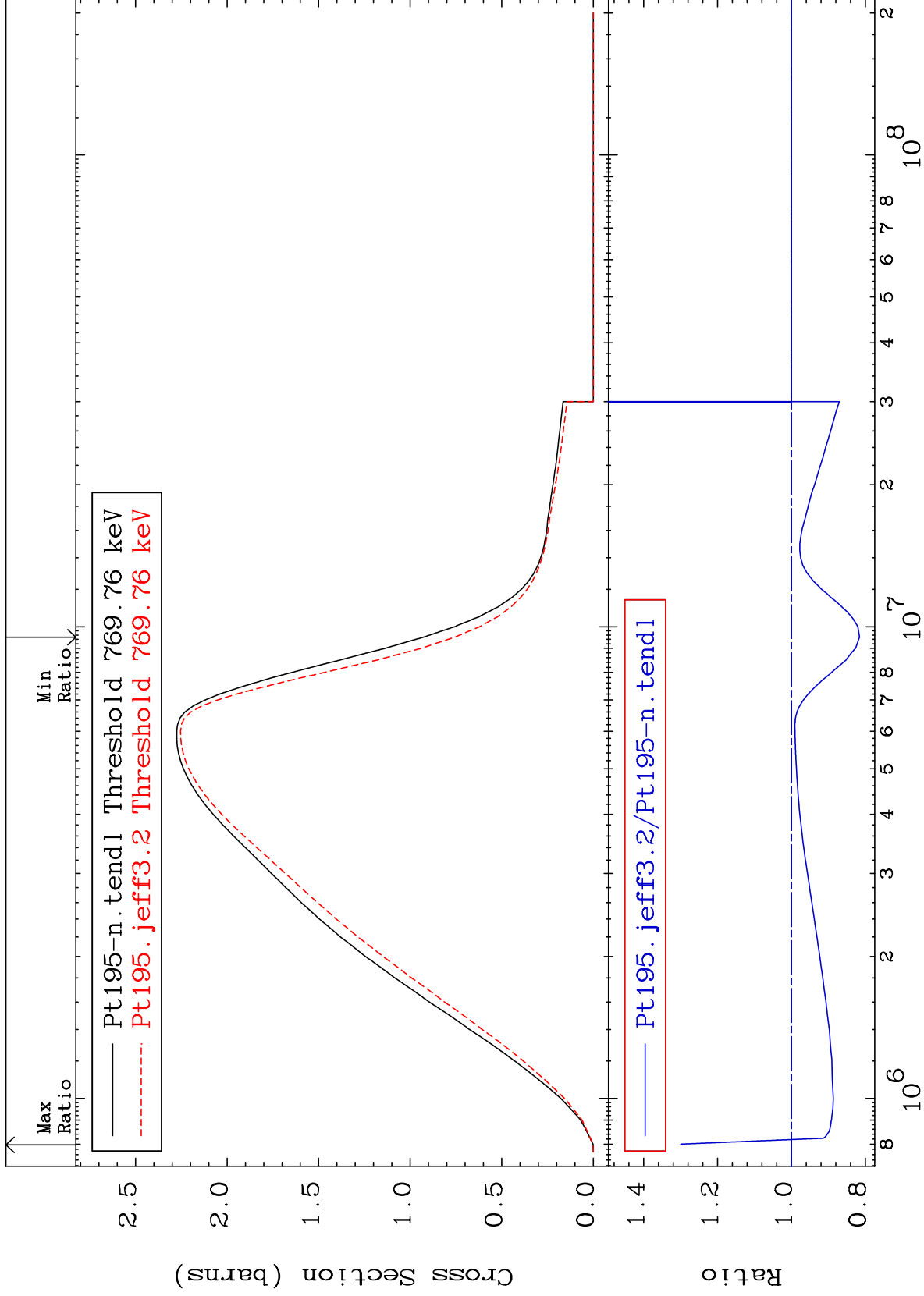
MAT 7840 765.8 keV (n,n') Level 78-Pt-195
 Cross Section 0.000 To 9999. %



MAT 7840

(n, n') Continuum
Cross Section

78-Pt-195
-18.42 To 29.98 %



48

Incident Energy (eV)

78-Pt-195

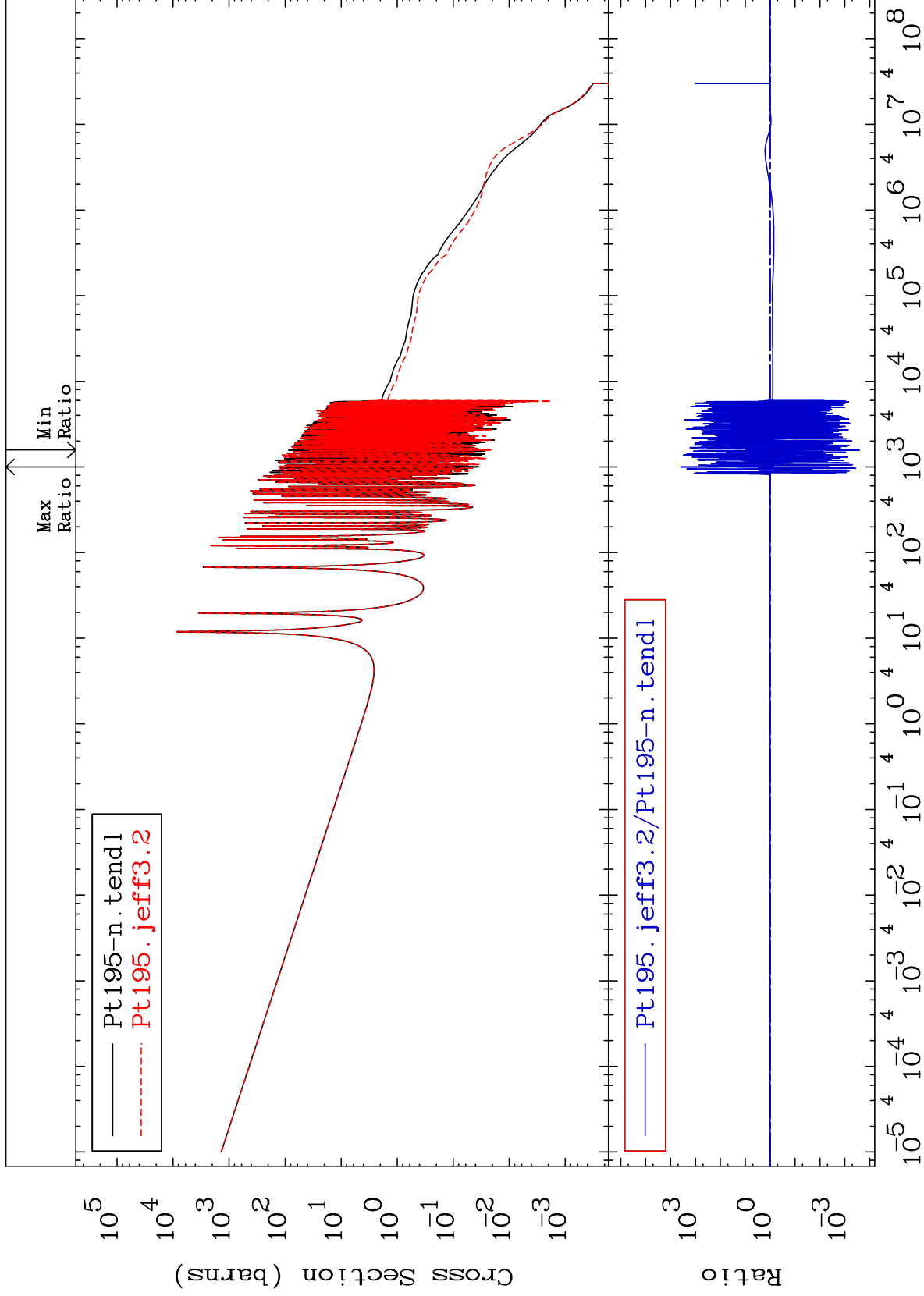
MAT 7840

(n, γ)

78-Pt-195

Cross Section

-99.97 To 9999. %



Incident Energy (eV)

78-Pt-195

MAT 7840

(n, p)

78-Pt-195

Cross Section

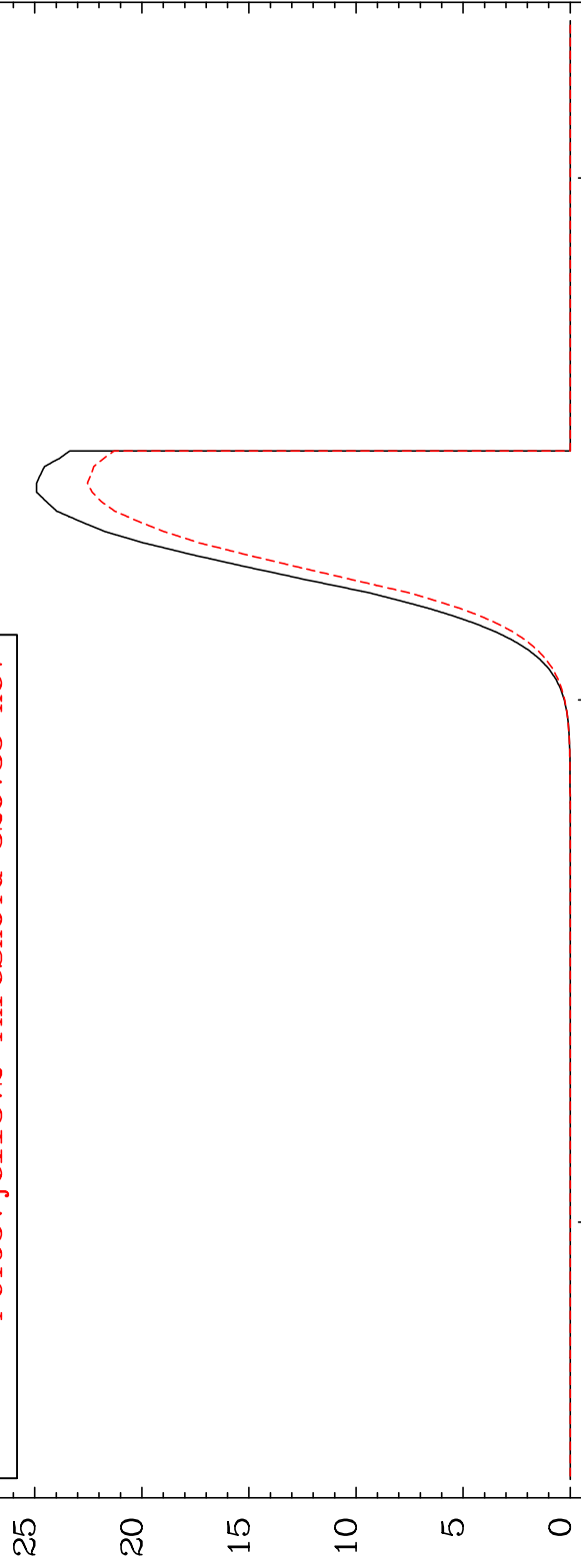
-23.21 To 60.14 %

Max Ratio

Min Ratio

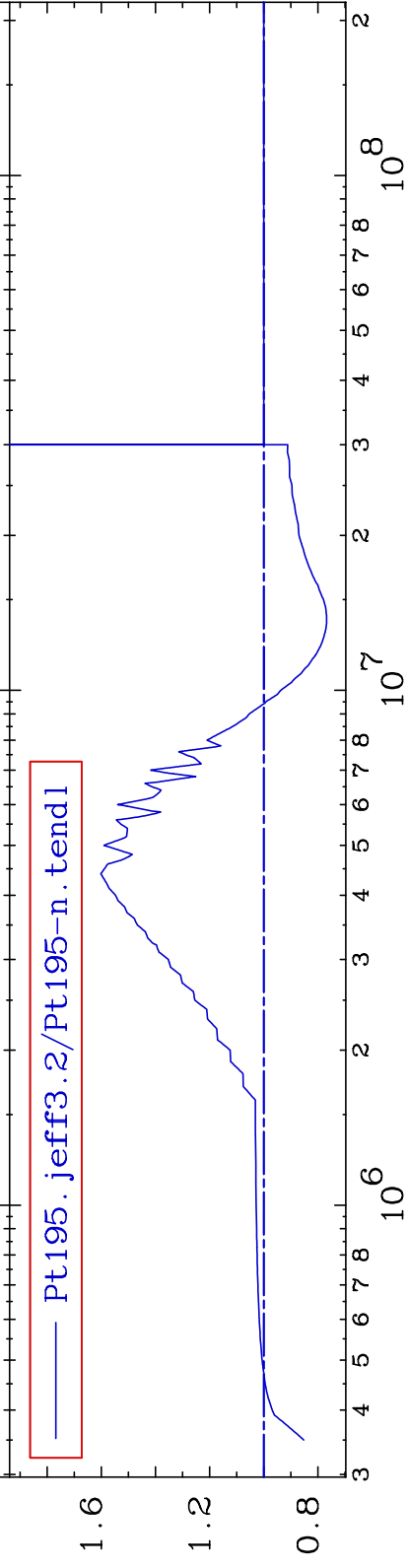
Pt195-n.tendl Threshold 321.27 keV
Pt195.jeff3.2 Threshold 326.35 keV

Cross Section (milli-barns)



Pt195.jeff3.2/Pt195-n.tendl

Ratio



50

Incident Energy (eV)

78-Pt-195

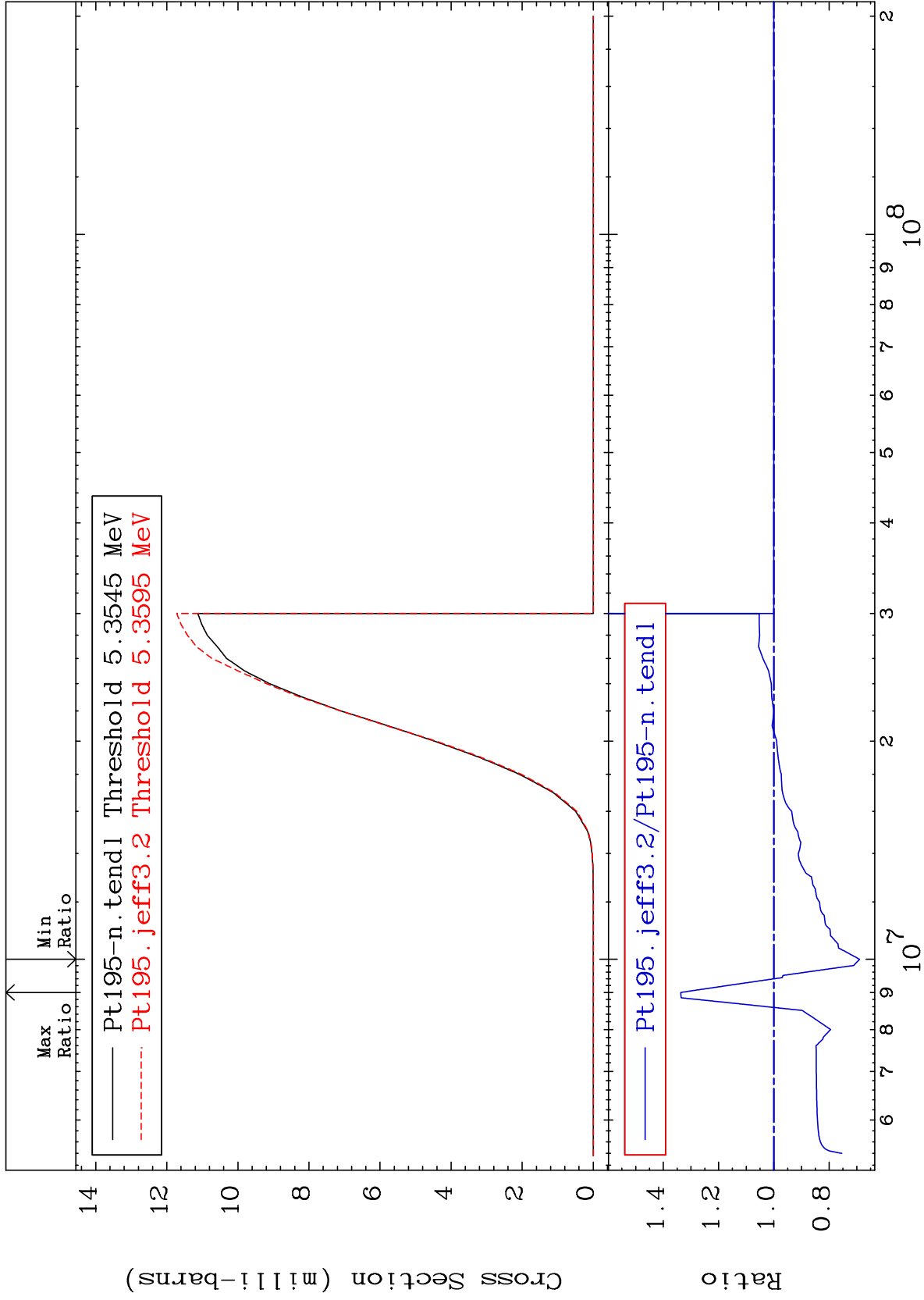
MAT 7840

(n, d)

78-Pt-195

Cross Section

-31.00 To 33.69 %



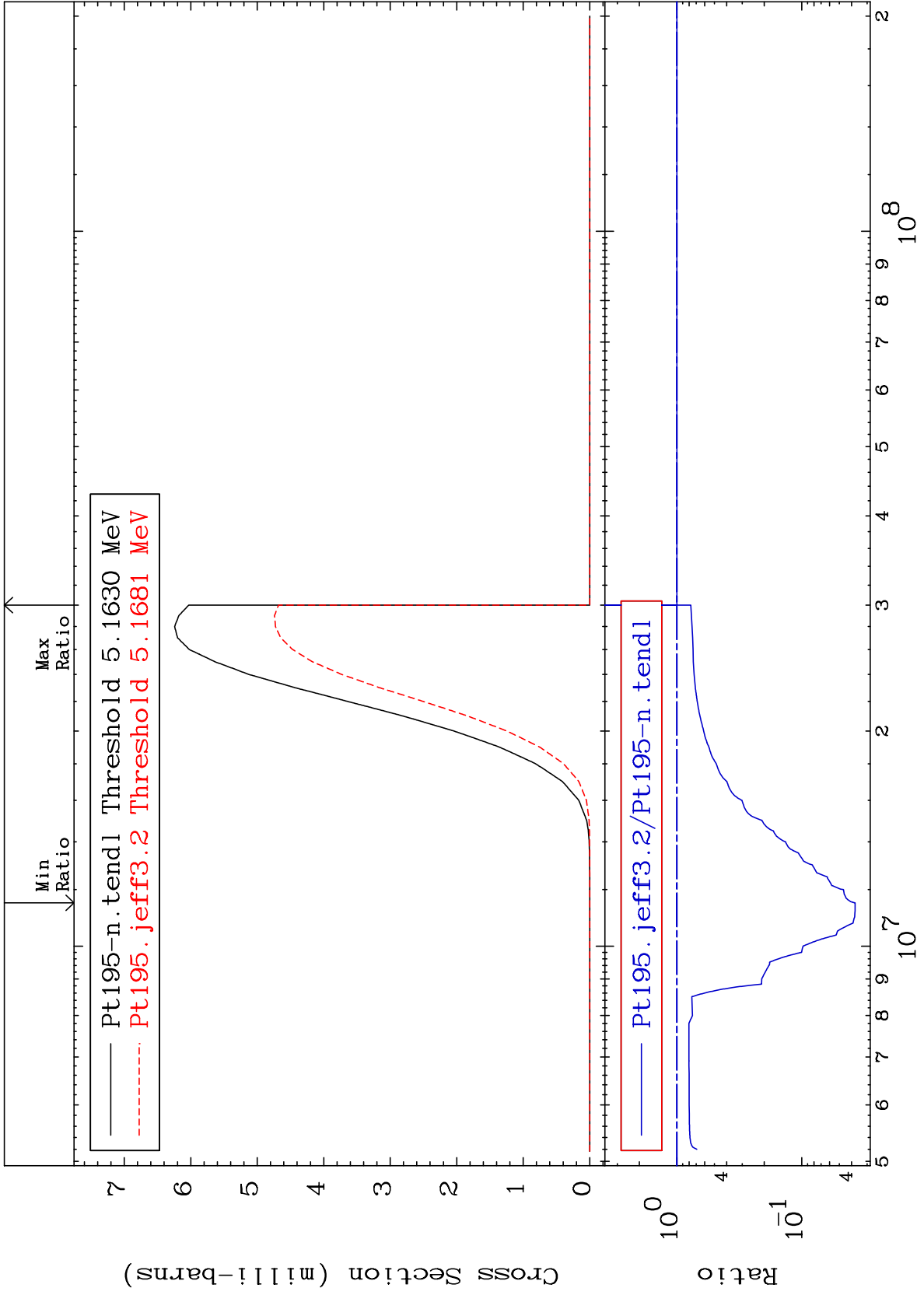
51

Incident Energy (eV)

78-Pt-195

MAT 7840

(n, t)
Cross Section
78-Pt-195
-96.25 To 0.000 %



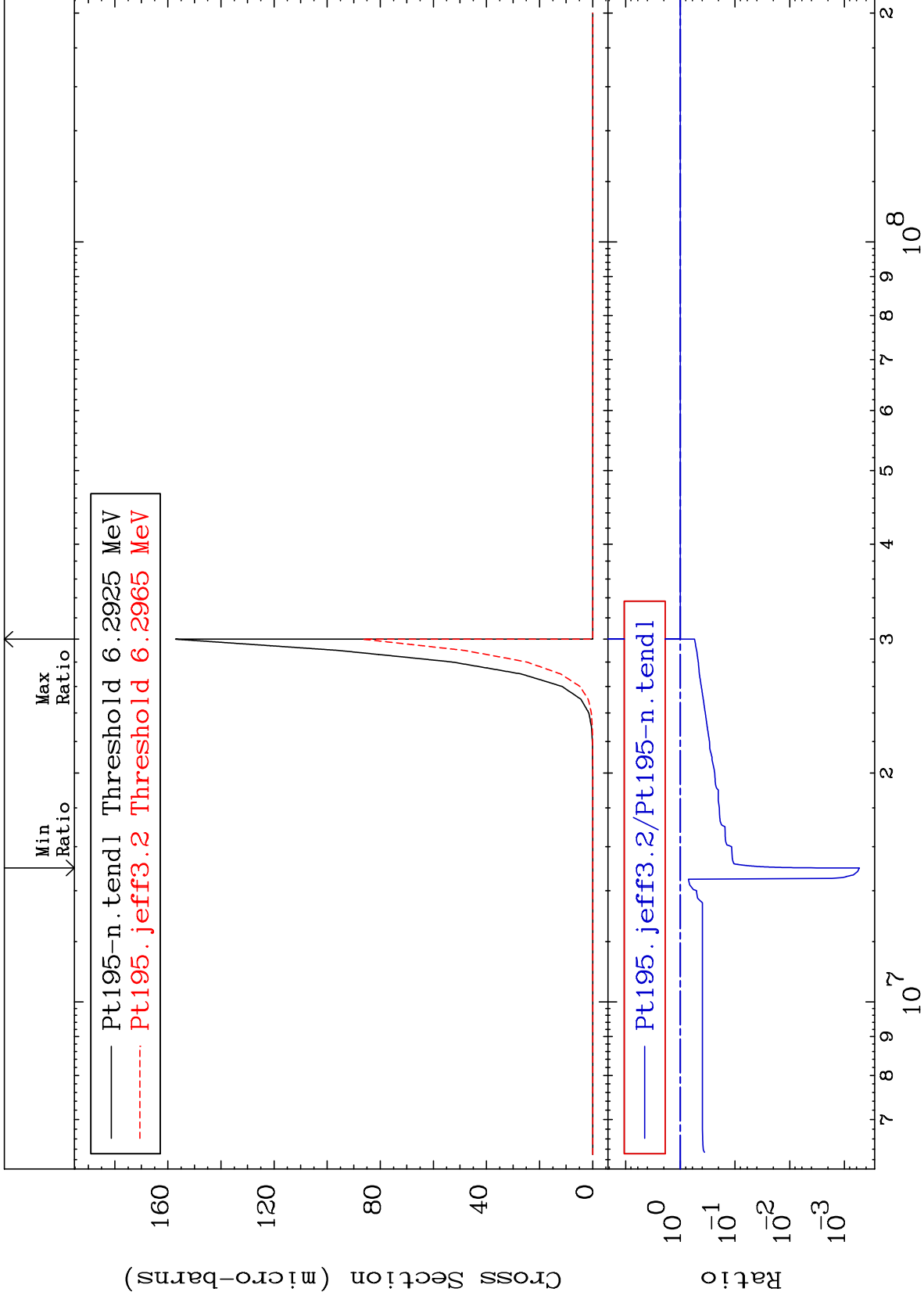
MAT 7840

(n, He-3)

78-Pt-195

Cross Section

-99.95 To 0.000 %



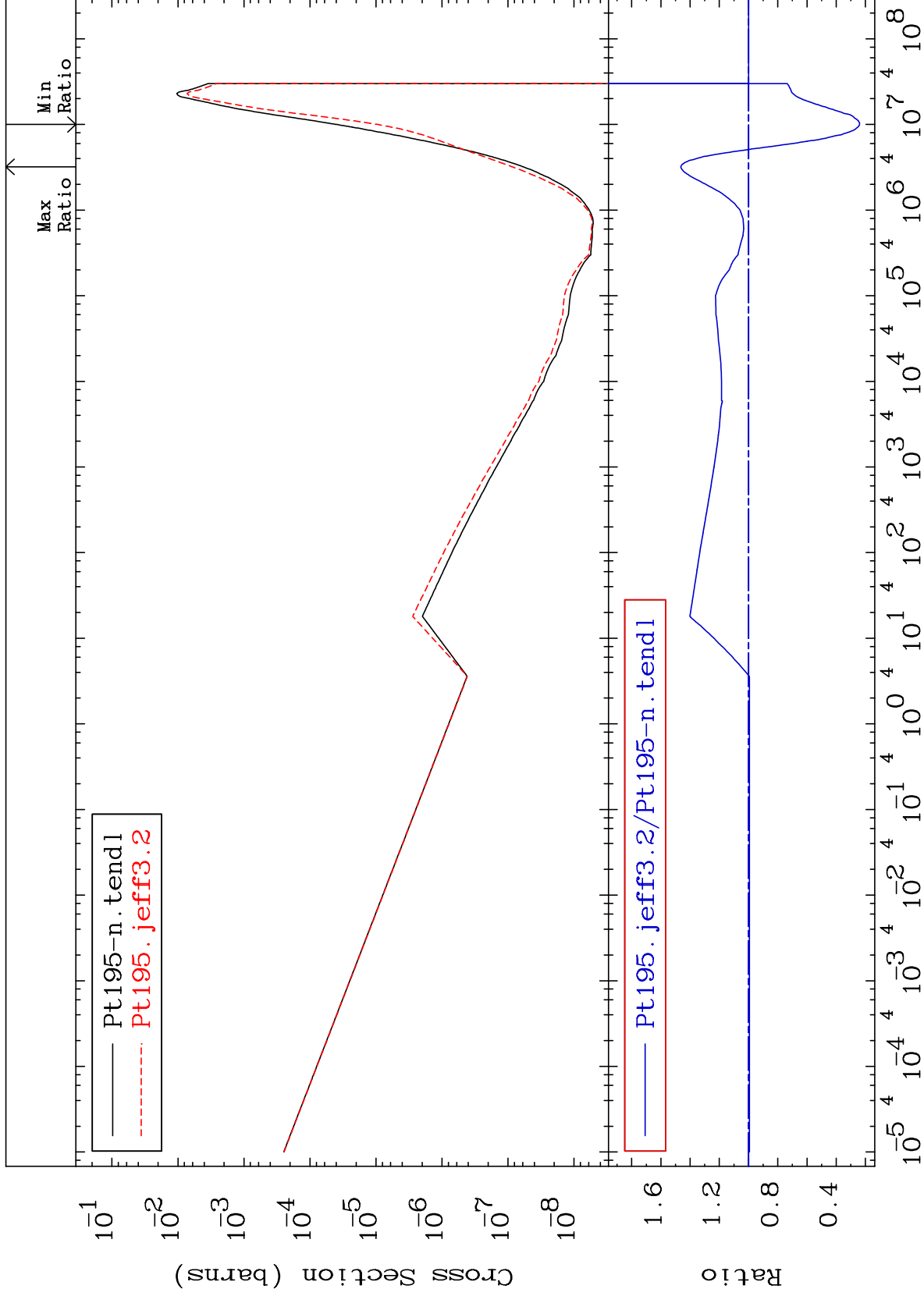
MAT 7840

(n, α)

Cross Section

78-Pt-195

-75.98 To 46.40 %



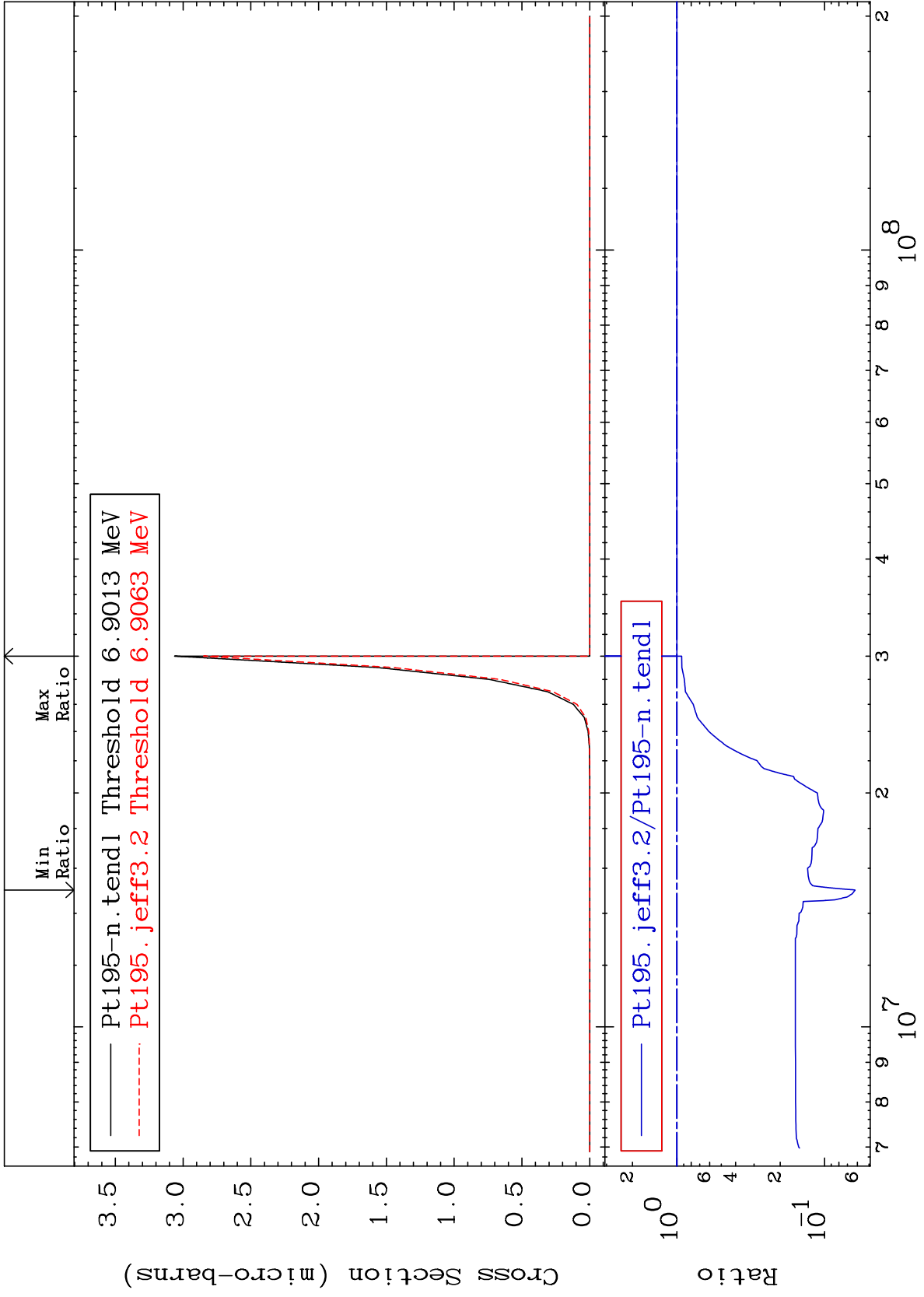
MAT 7840

(n,2p)

78-Pt-195

Cross Section

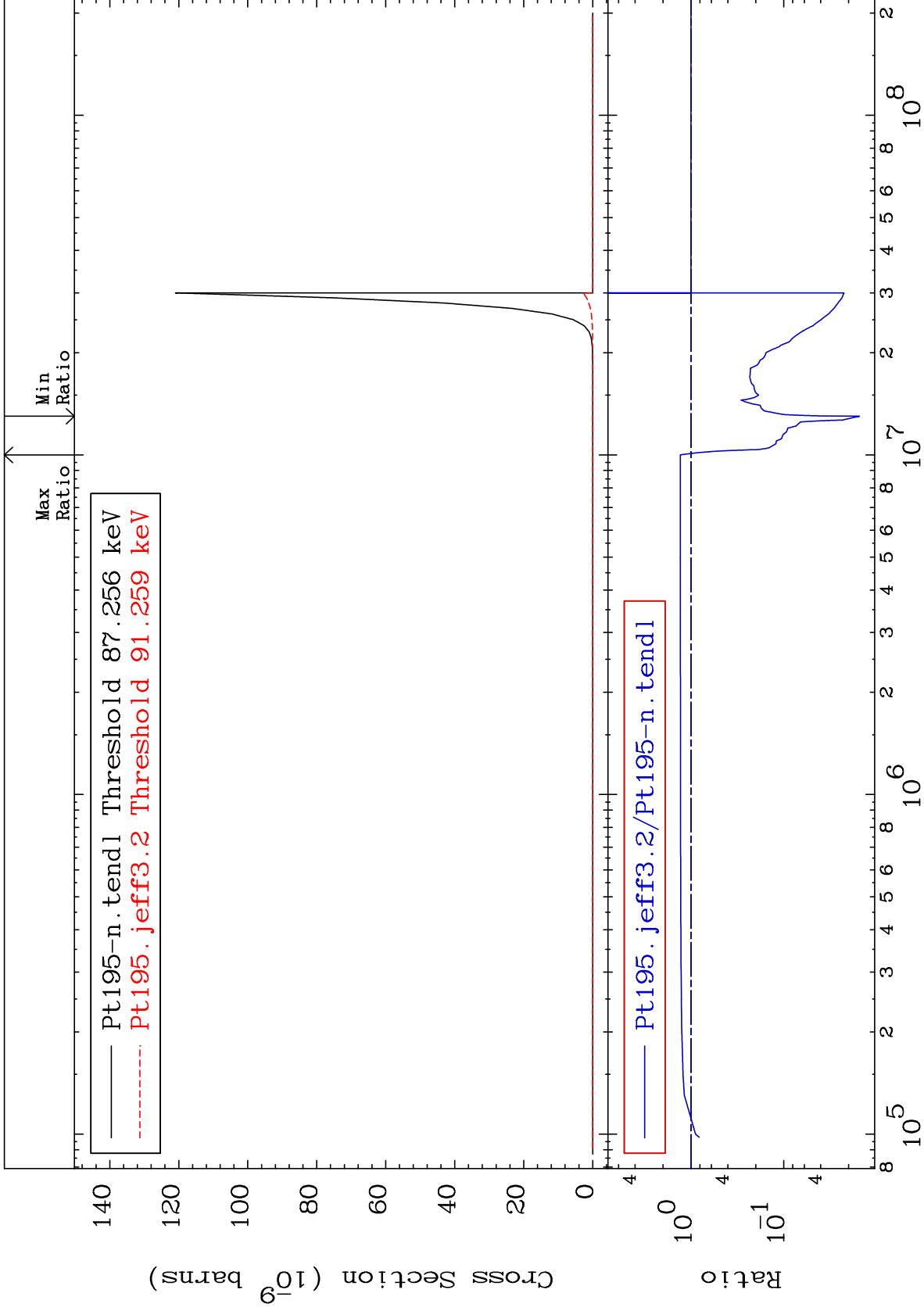
-93.79 To 0.000 %



MAT 7840

(n, p) α
Cross Section

78-Pt-195
-98.47 To 29.86 %



56

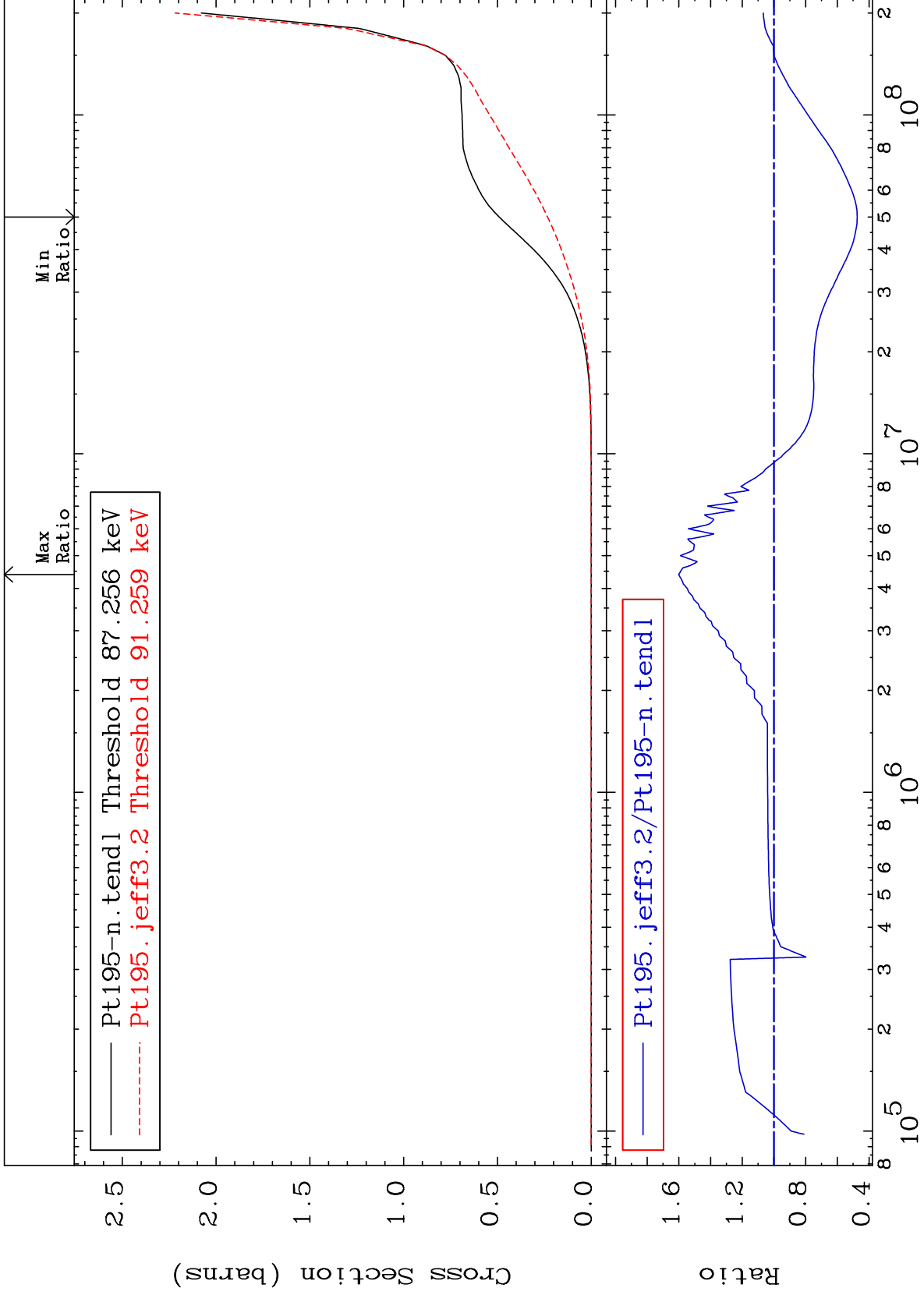
Incident Energy (eV)

78-Pt-195

MAT 7840

Hydrogen Production
Cross Section

78-Pt-195
-52.57 To 60.14 %



57

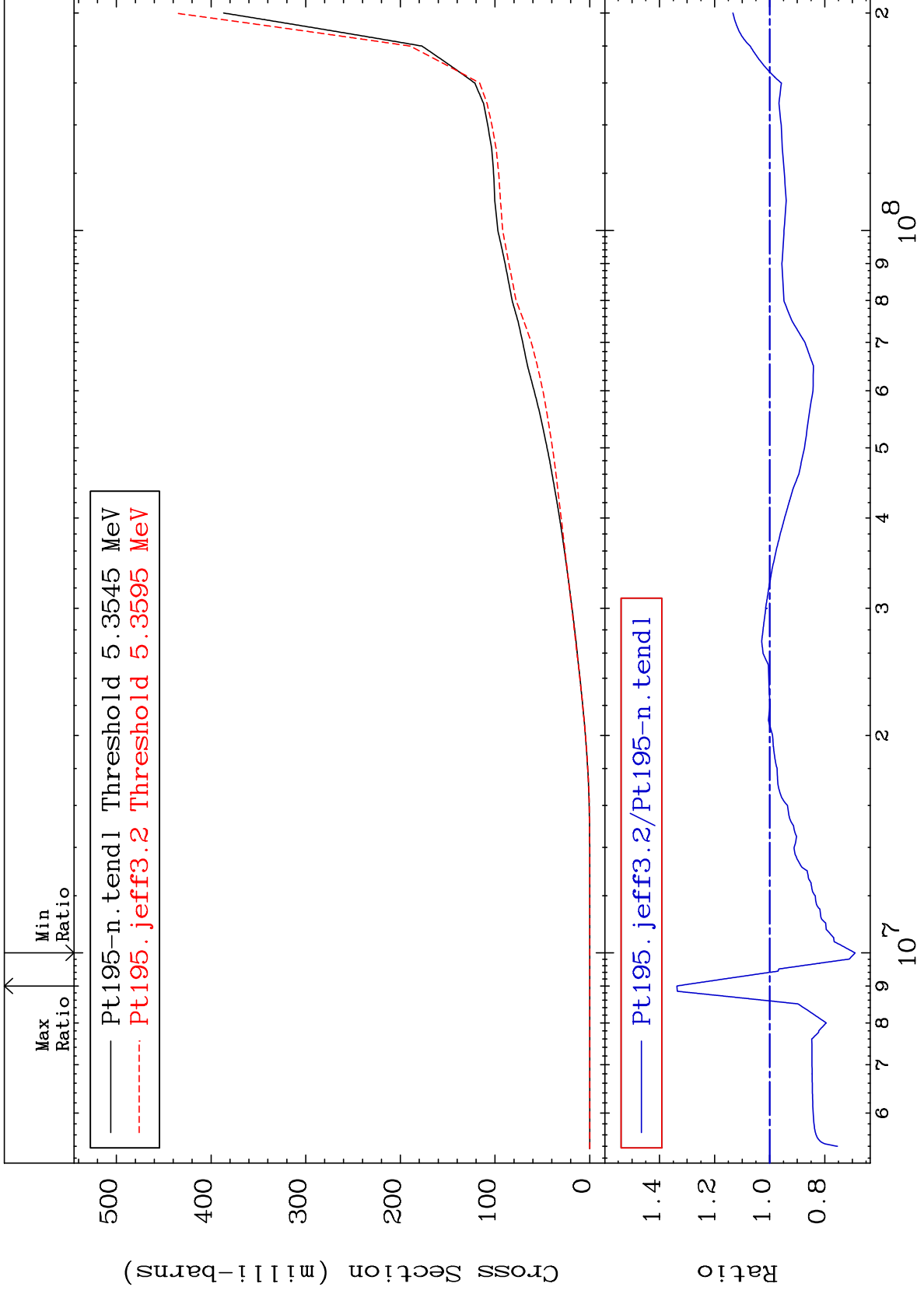
Incident Energy (eV)

78-Pt-195

MAT 7840

Deuterium Production
Cross Section

⁷⁸Pt-195
-31.00 To 33.69 %



58

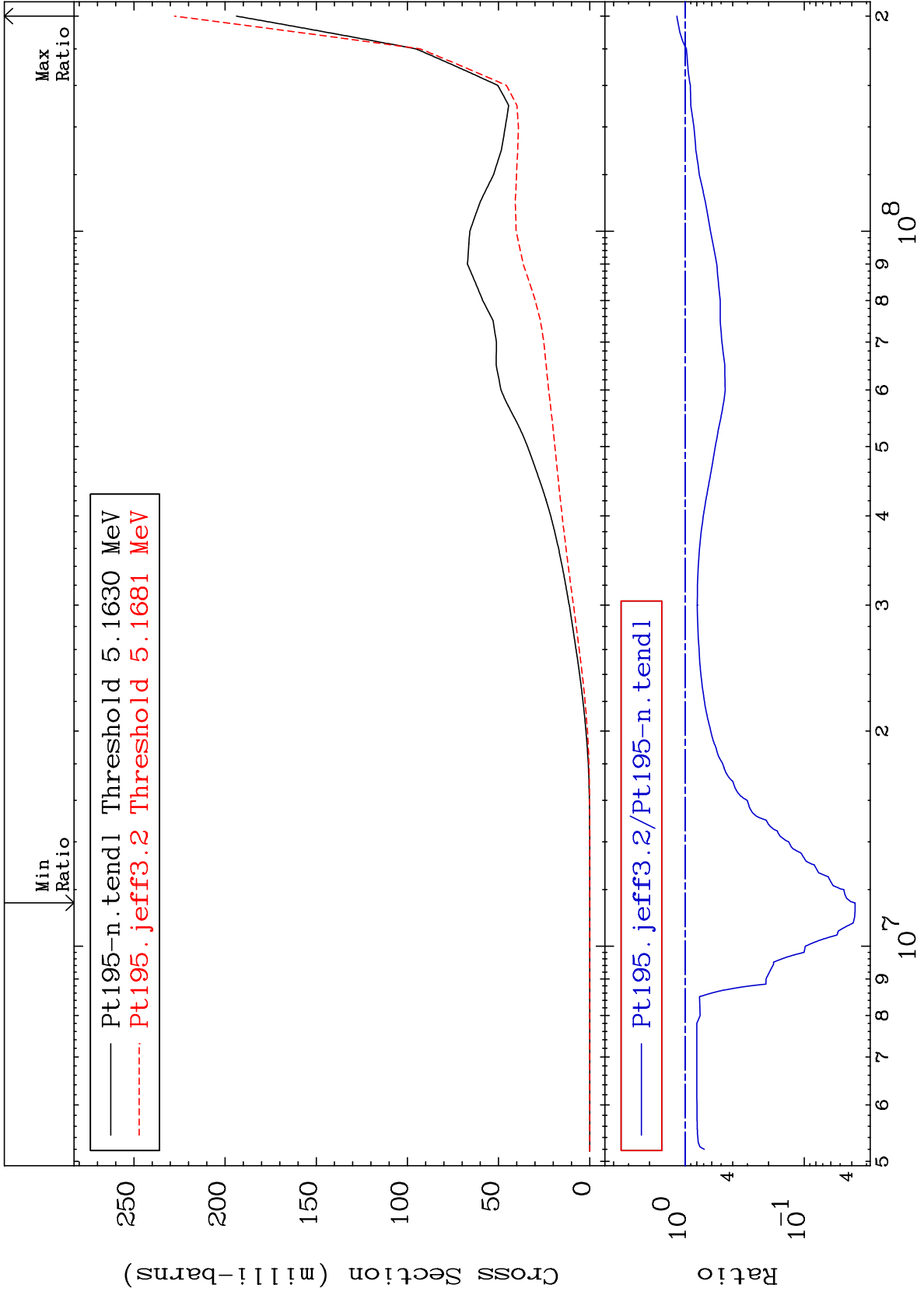
Incident Energy (eV)

⁷⁸Pt-195

MAT 7840

Tritium Production
Cross Section

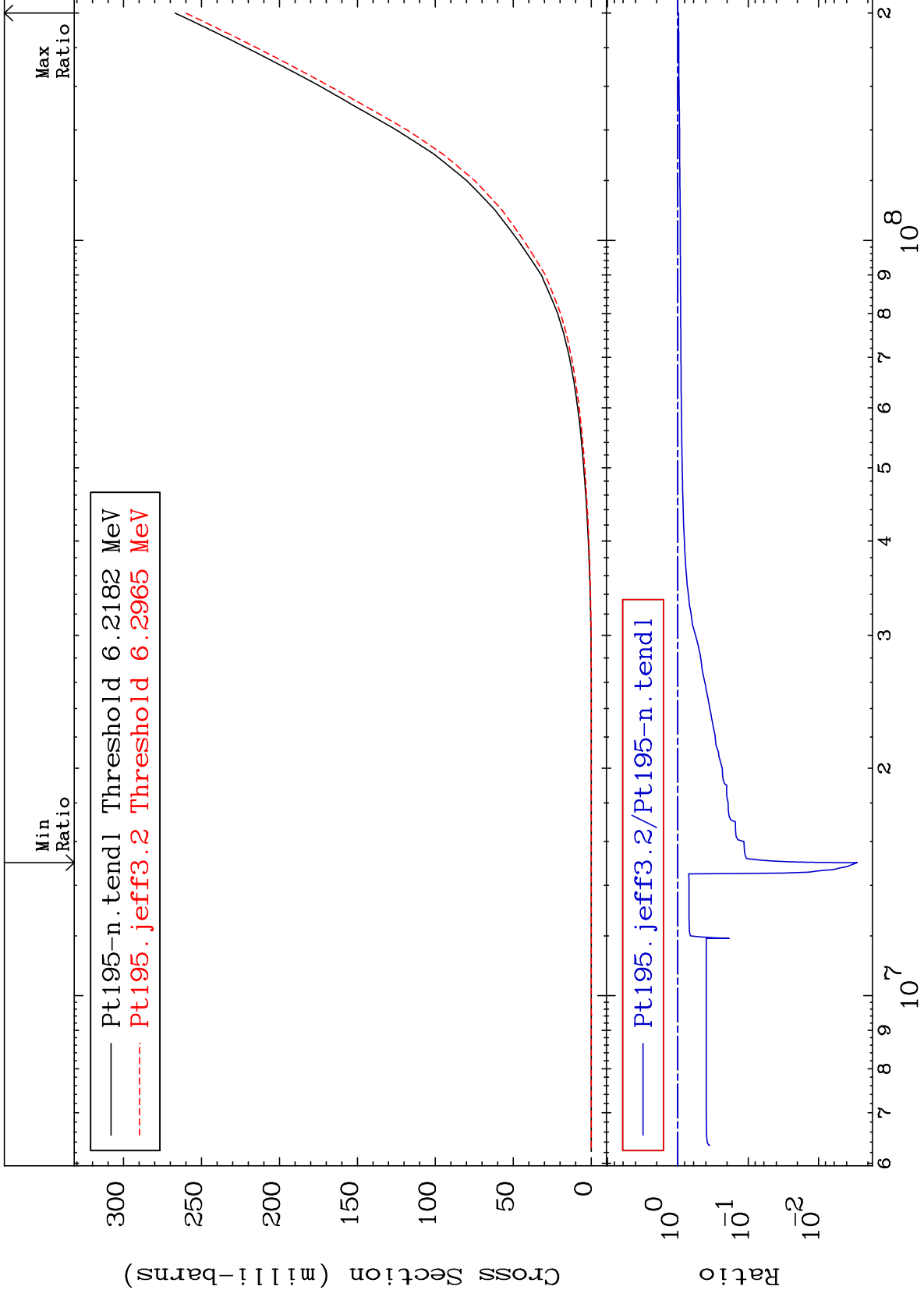
78-Pt-195
-96.25 To 17.51 %



MAT 7840

He-3 Production
Cross Section

78-Pt-195
-99.72 To -2.538%



60

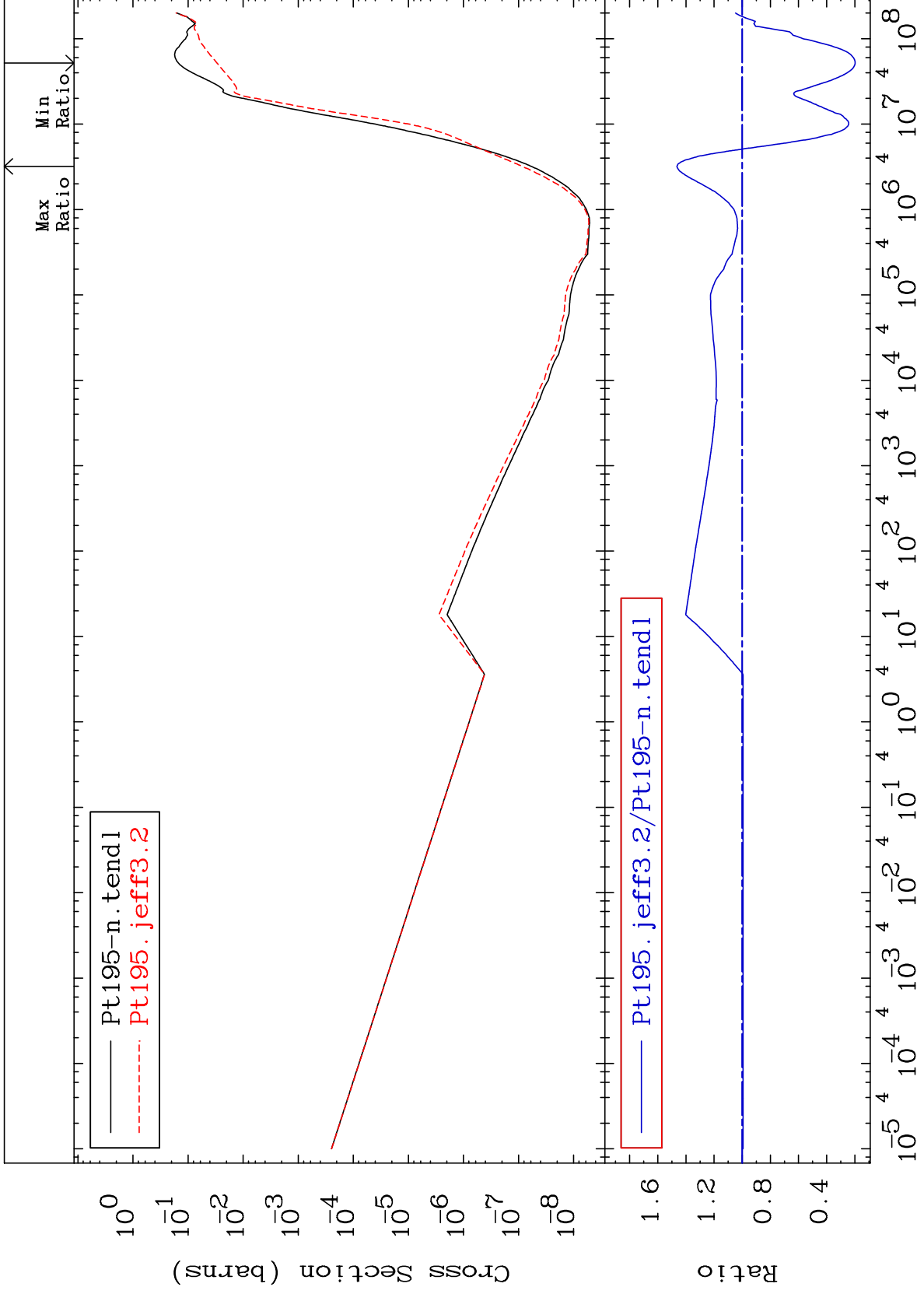
Incident Energy (eV)

78-Pt-195

MAT 7840

He-4 Production
Cross Section

78-Pt-195
-80.16 To 46.40 %



61

Incident Energy (eV)

78-Pt-195

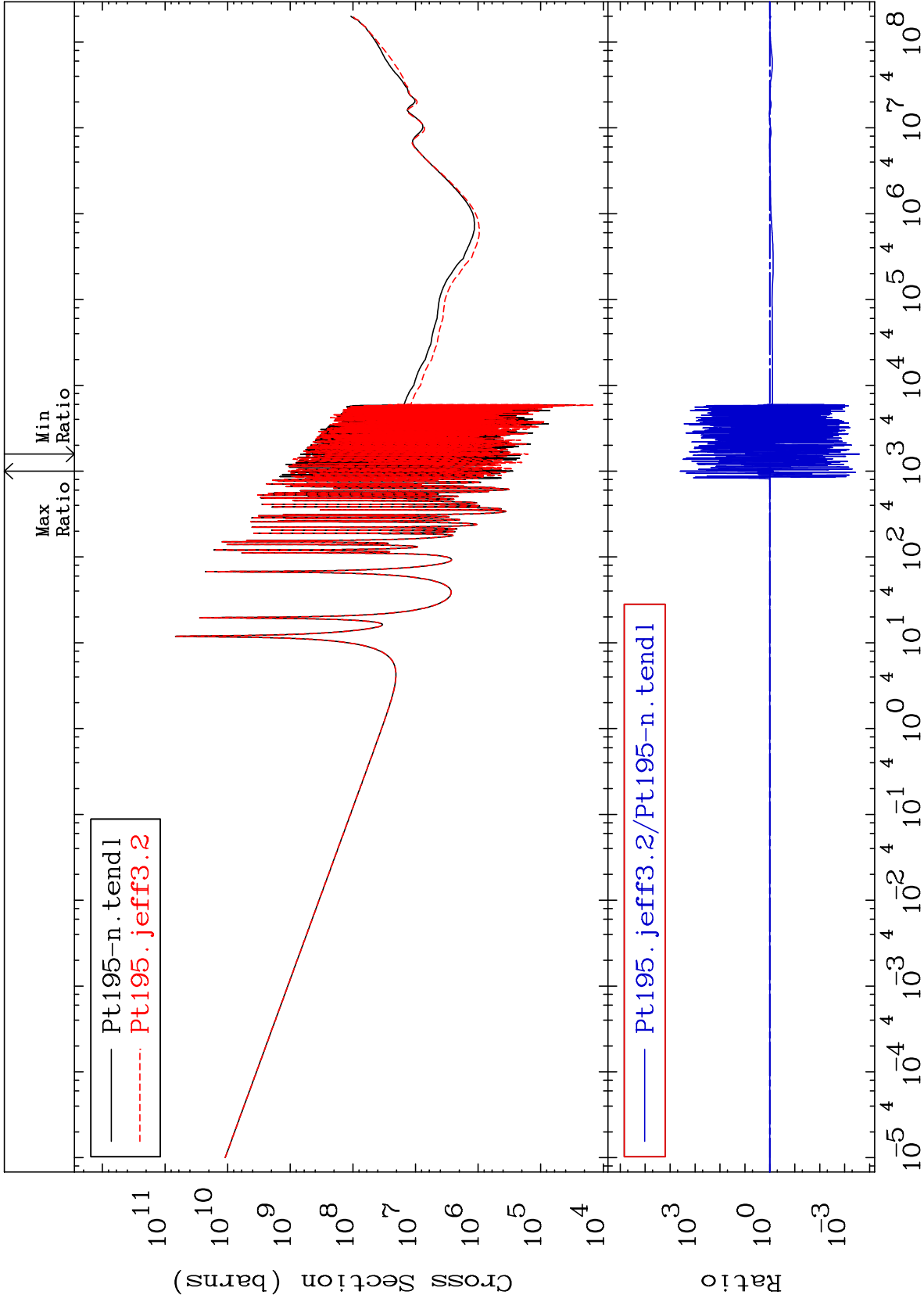
MAT 7840

Kerma total (eV-barns)

78-Pt-195

Cross Section

-99.97 To 9999. %



62

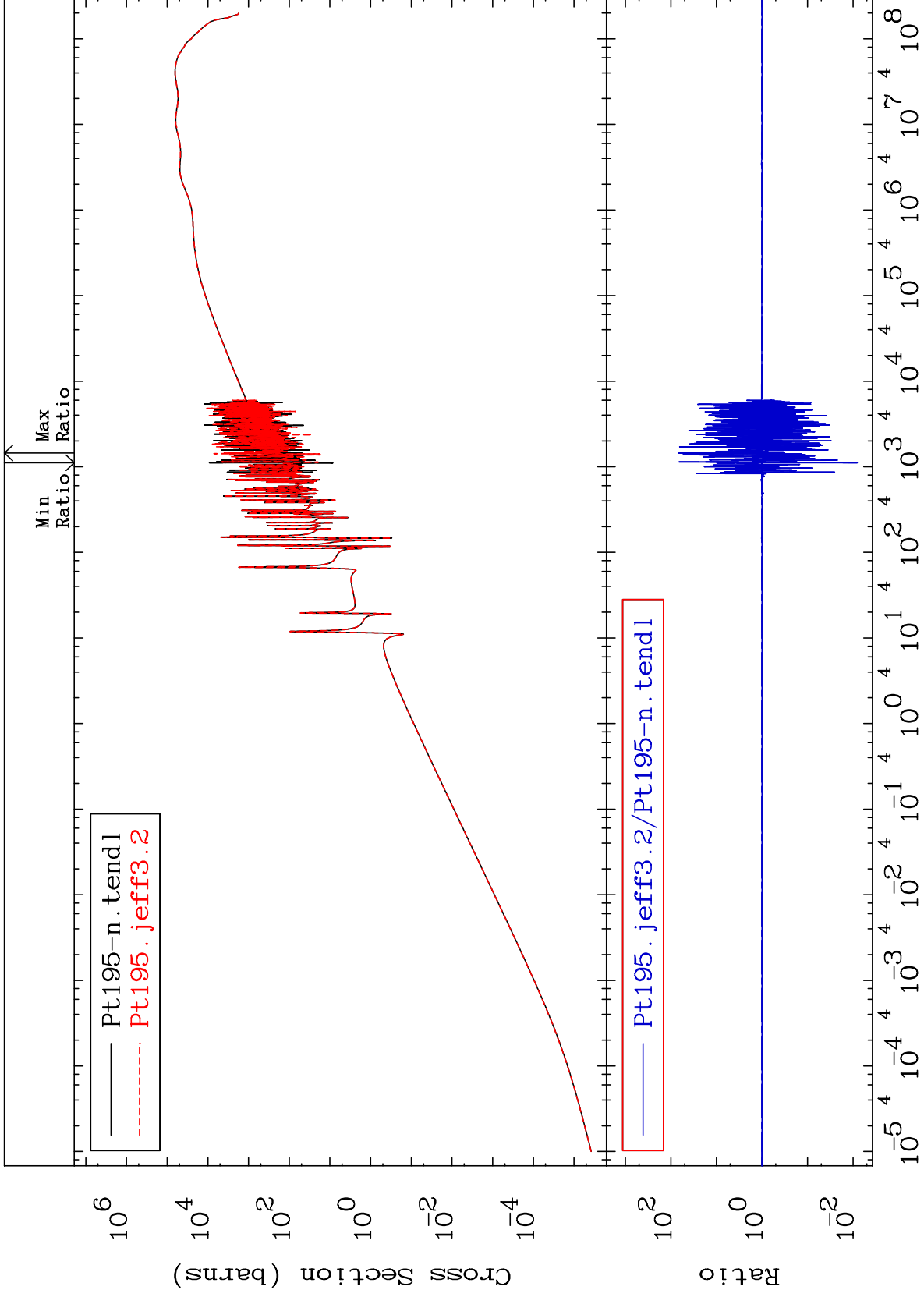
Incident Energy (eV)

78-Pt-195

MAT 7840

Kerma elastic
Cross Section

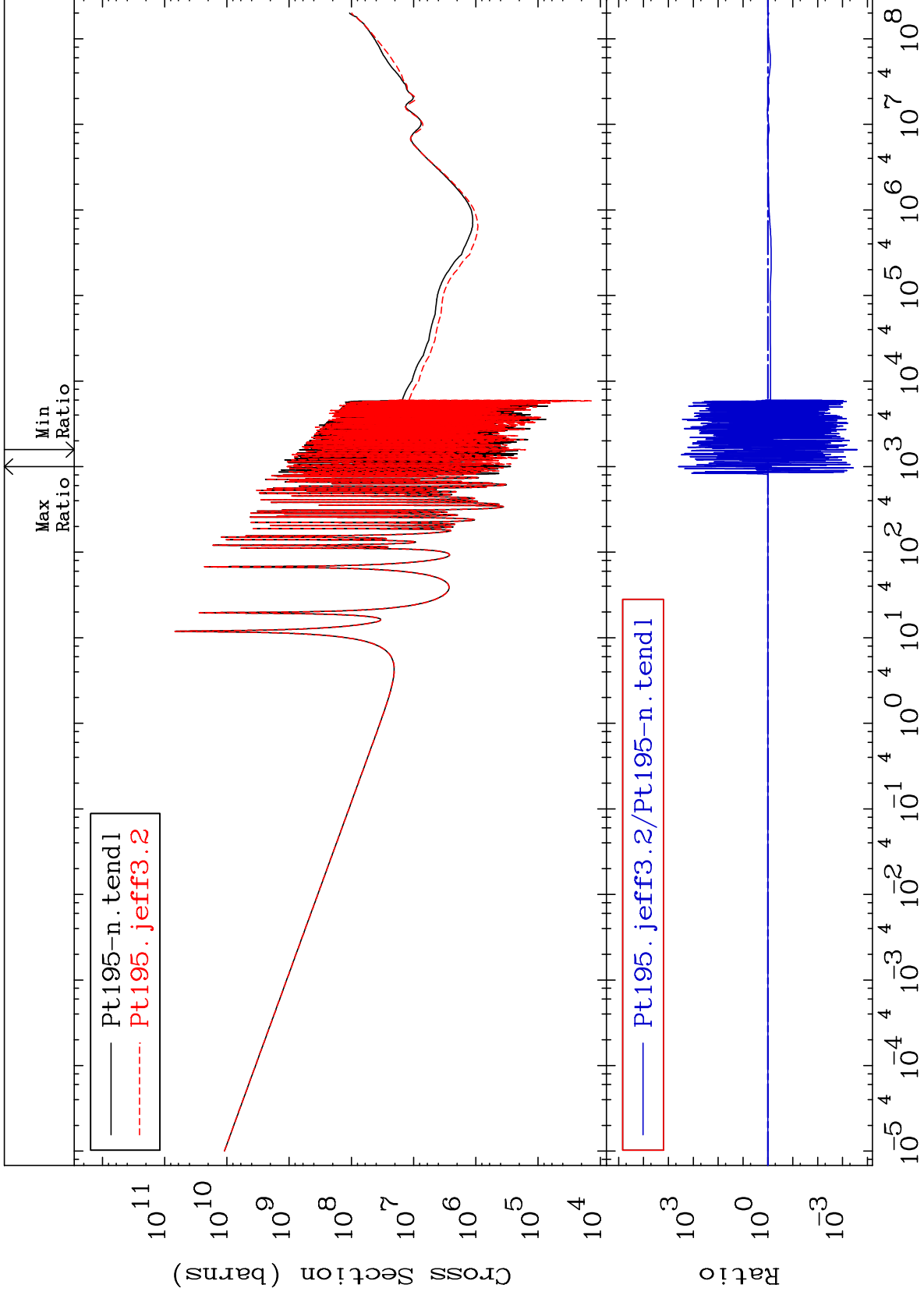
78-Pt-195
-99.19 To 6683. %



63

Incident Energy (eV)

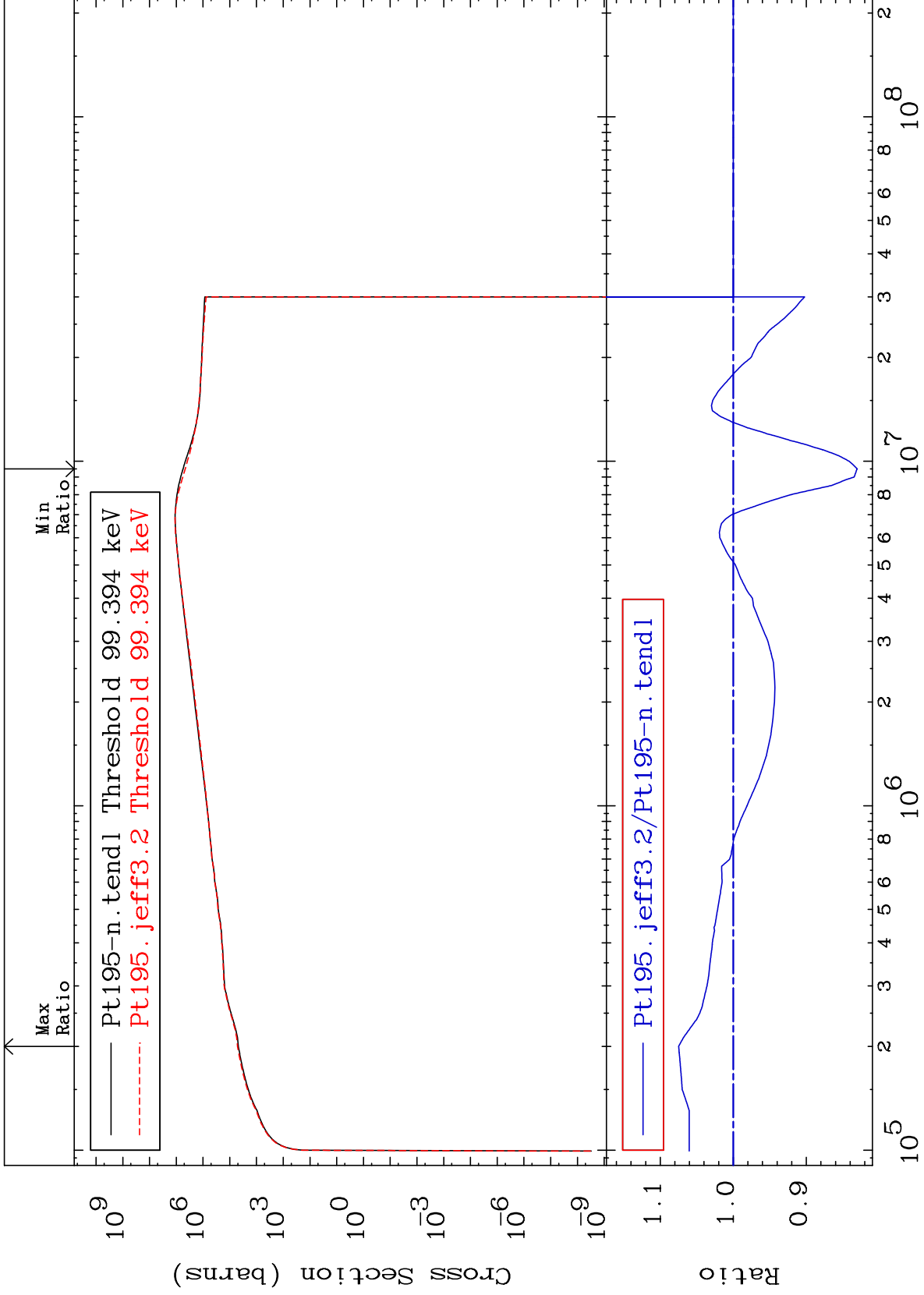
78-Pt-195



MAT 7840

Kerma inelastic (mt51-91)
Cross Section

78-Pt-195
-16.97 To 7.481 %



65

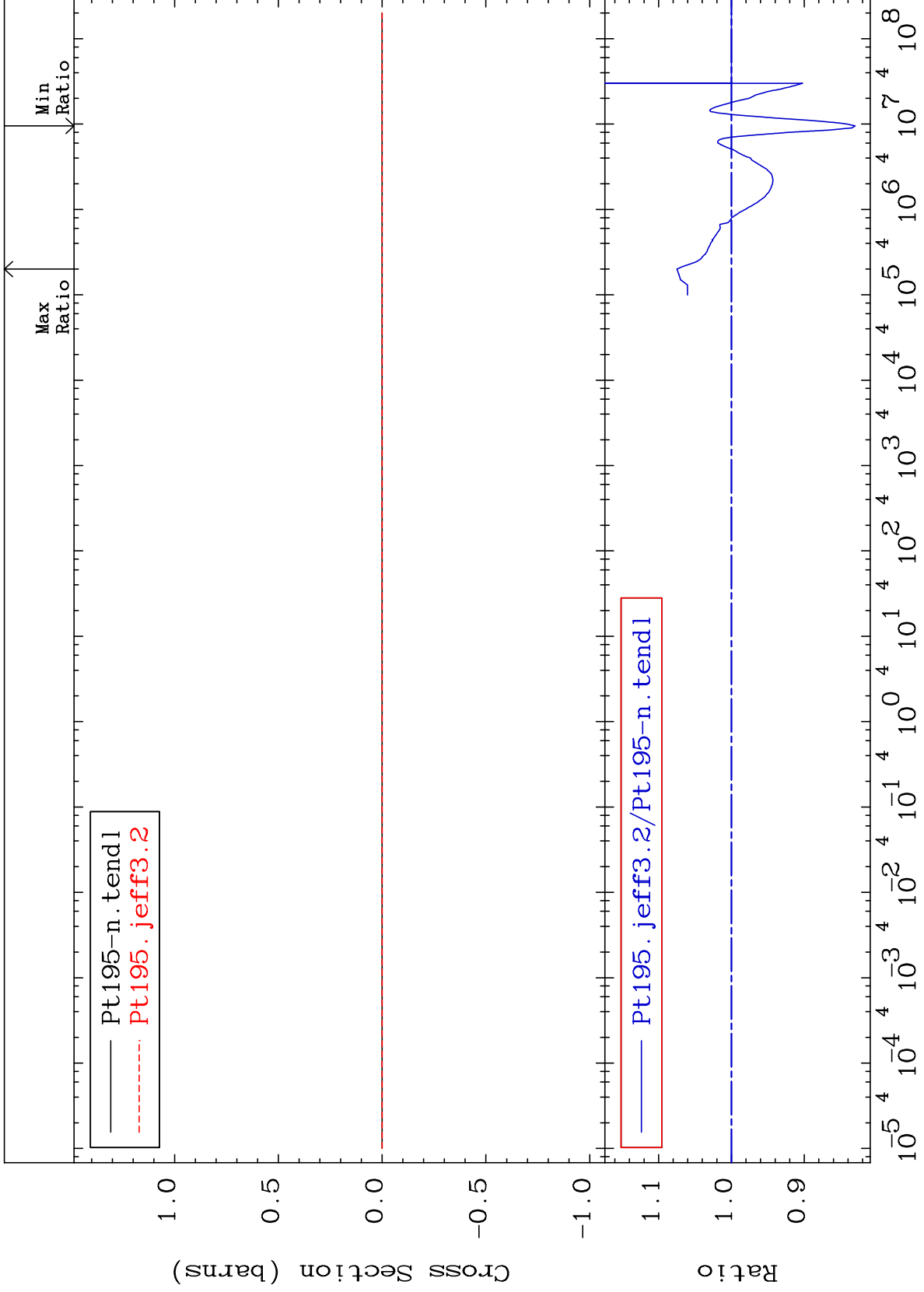
Incident Energy (eV)

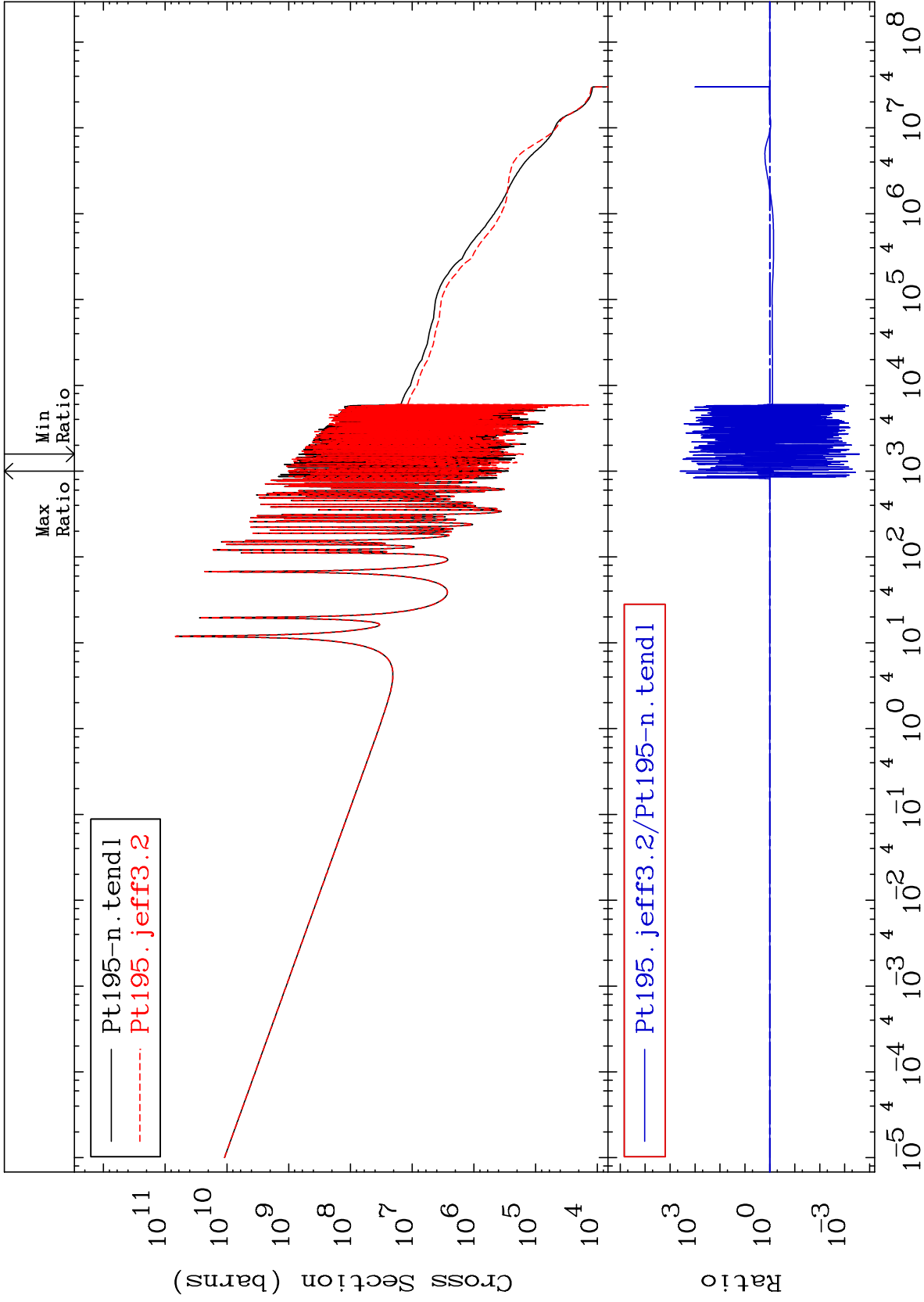
78-Pt-195

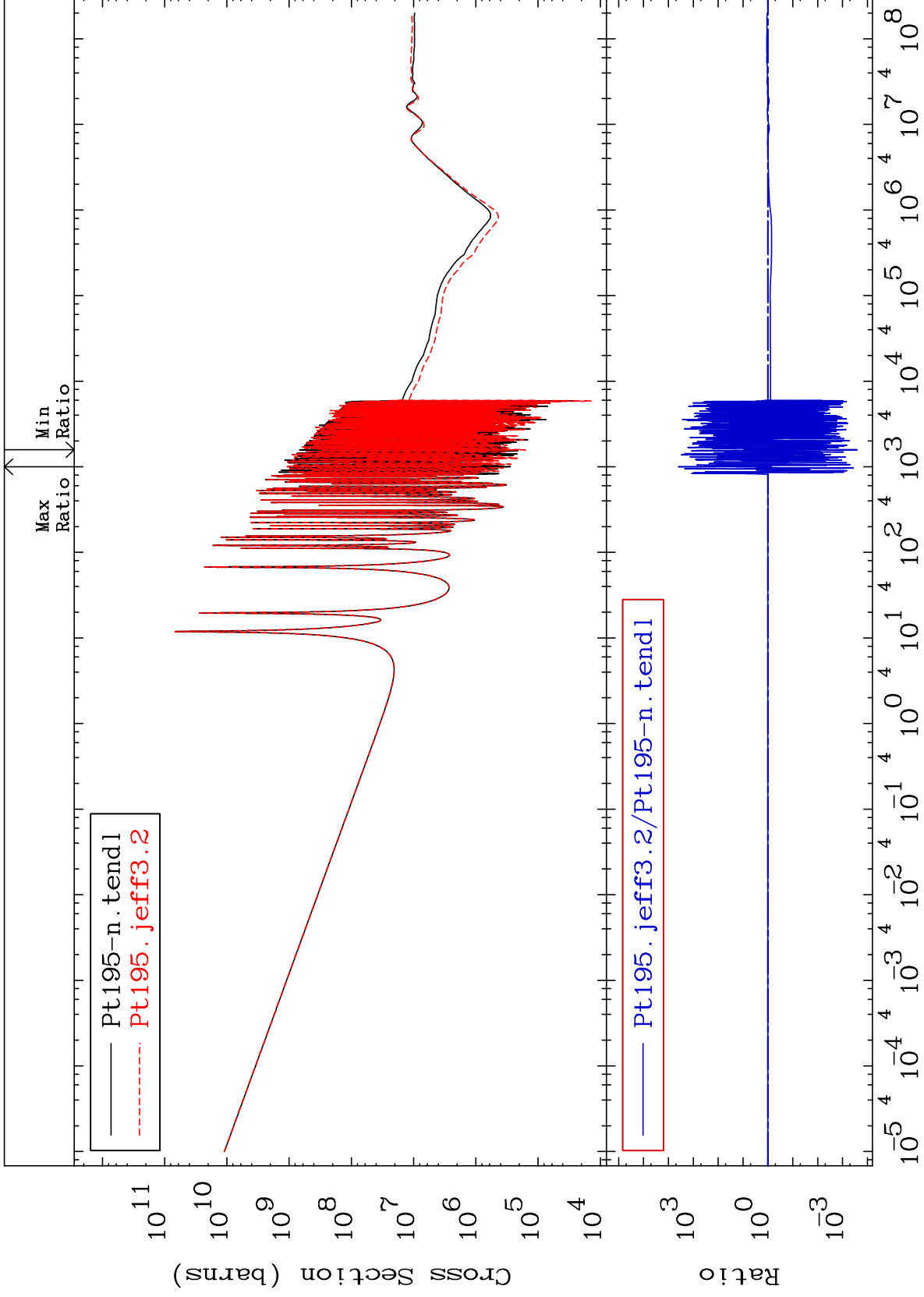
MAT 7840

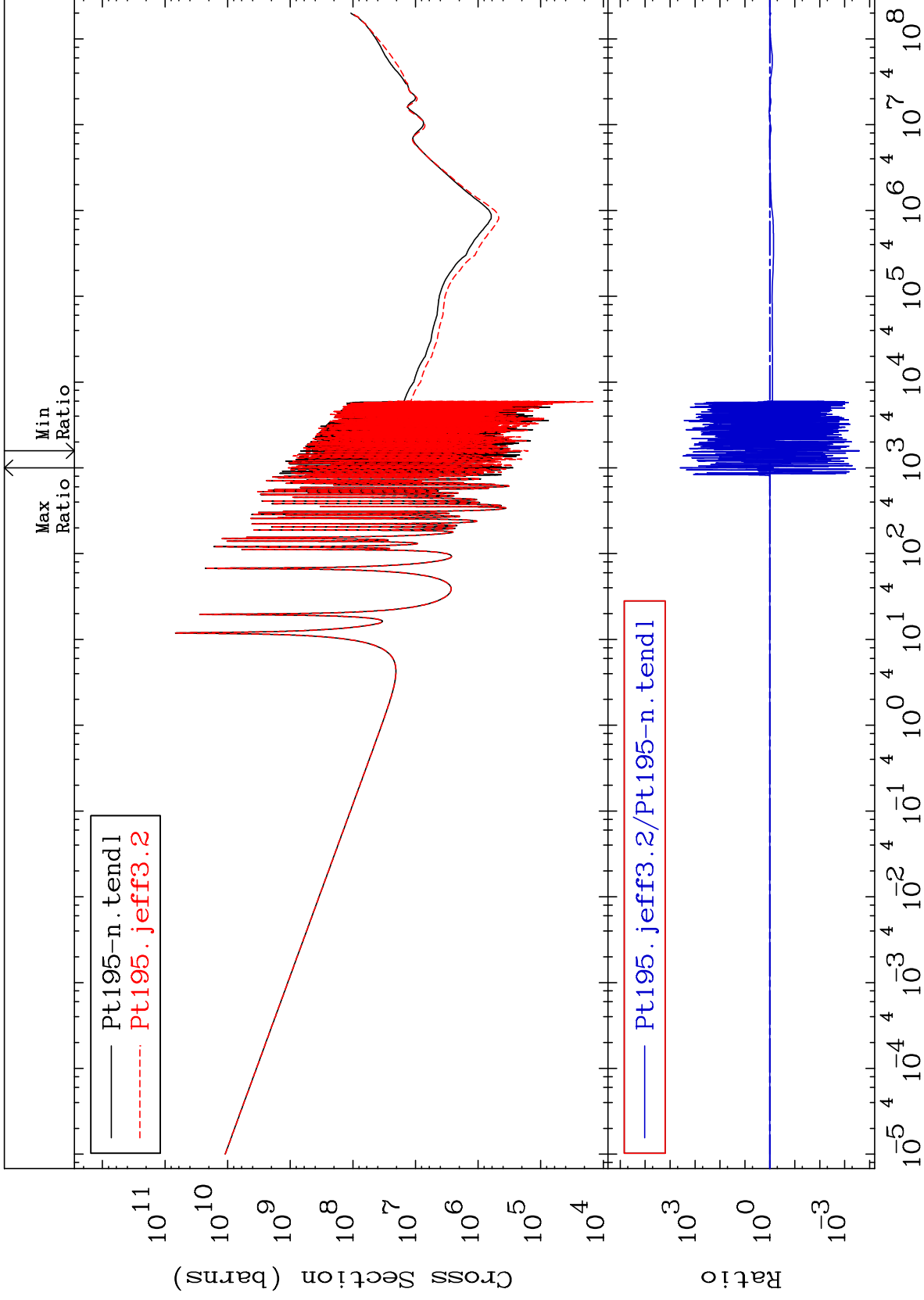
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

78-Pt-195
-16.97 To 7.481 %









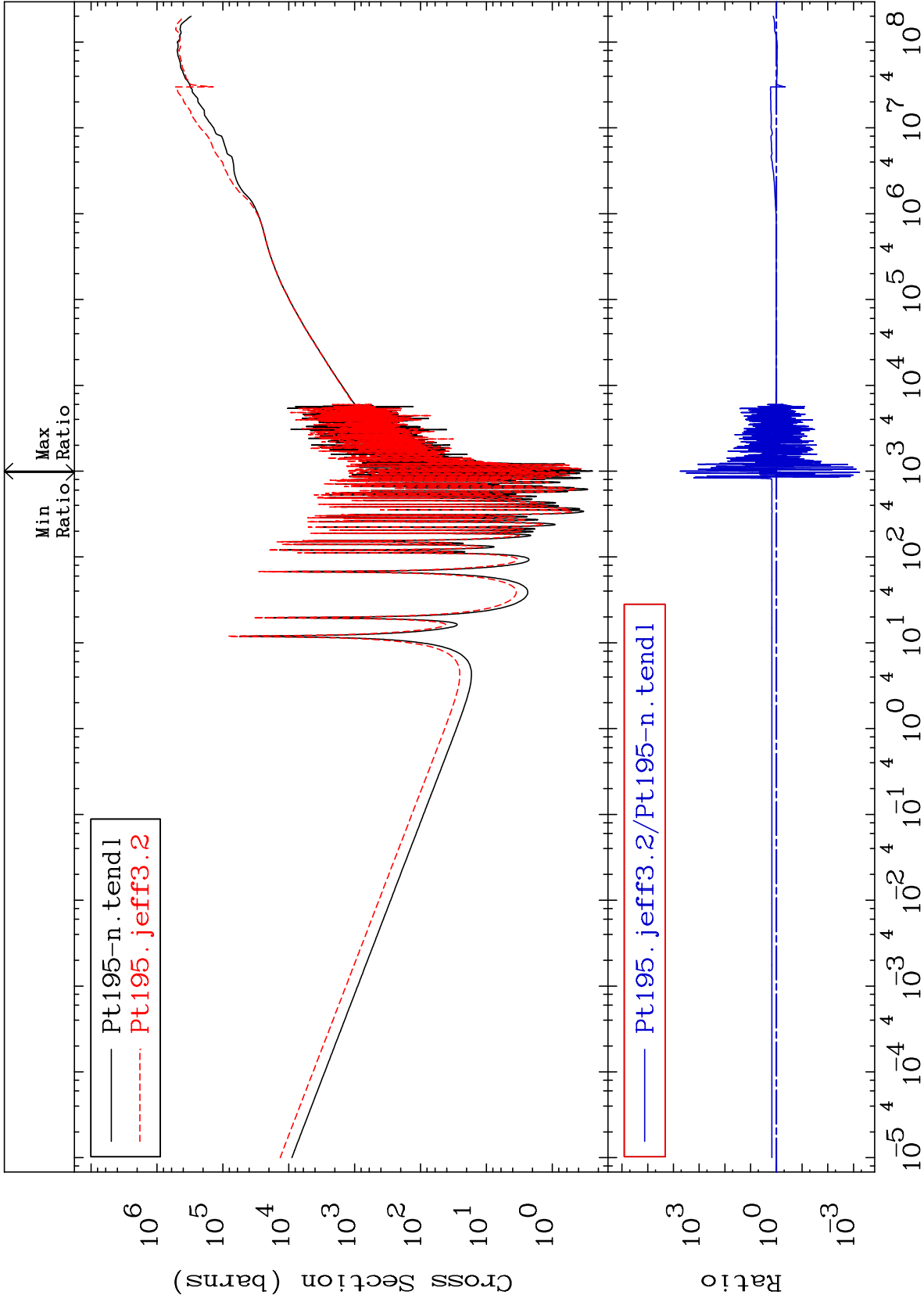
MAT 7840

Dpa total (eV-barns)

78-Pt-195

Cross Section

-99.94 To 9999. %



70

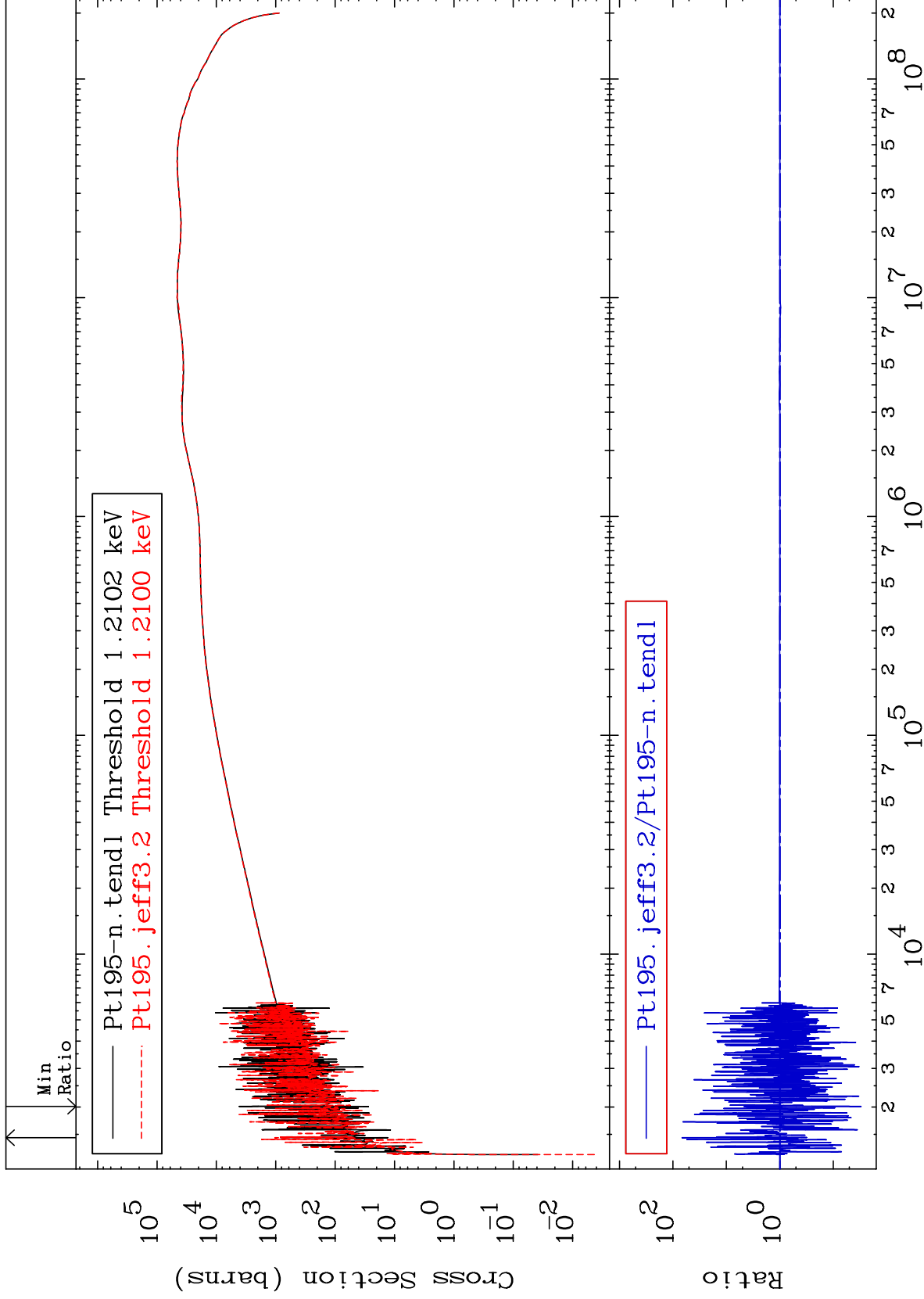
Incident Energy (eV)

78-Pt-195

MAT 7840

Dpa elastic (mt2)
Cross Section

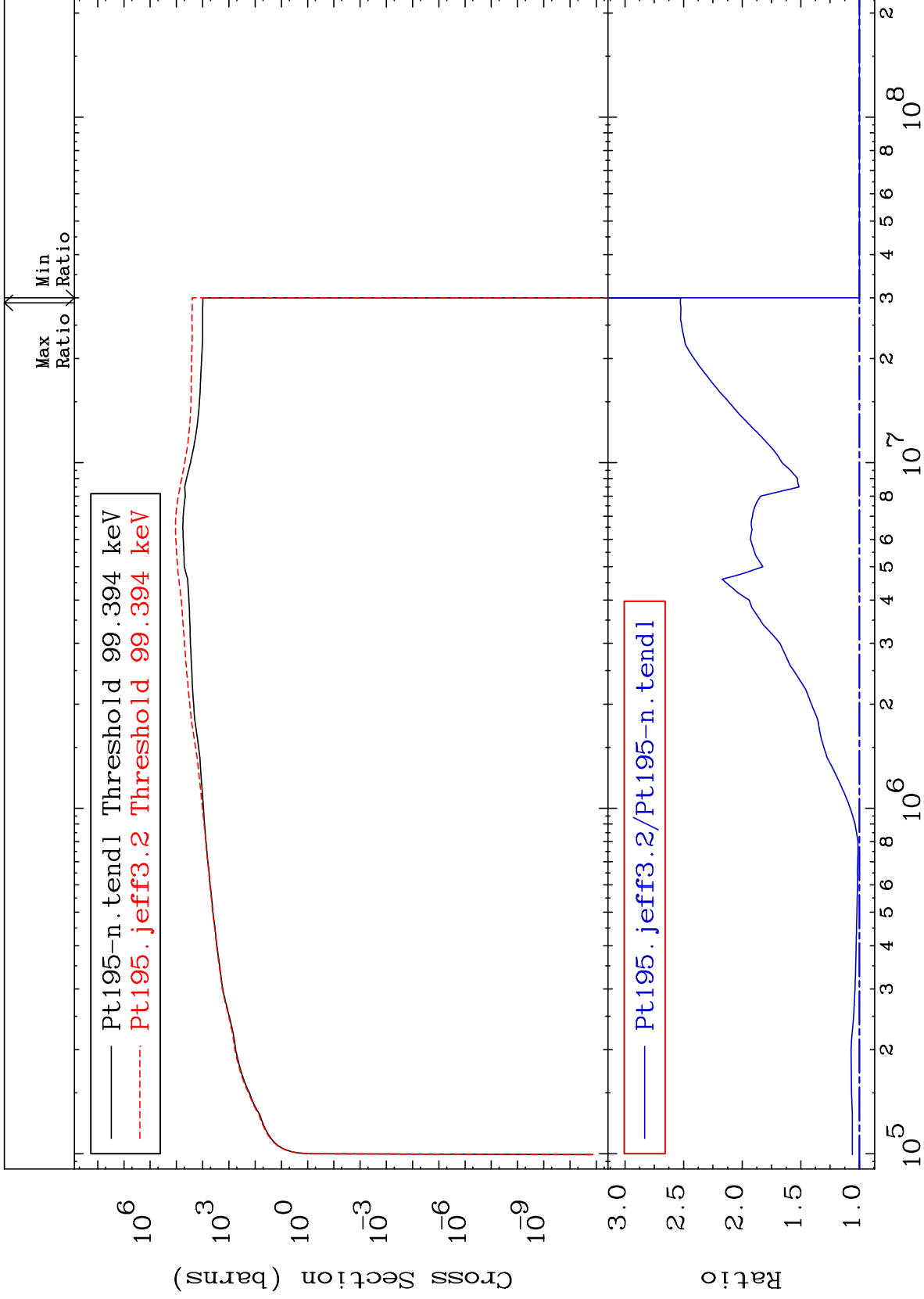
78-Pt-195
-96.97 To 6684. %



MAT 7840

Dpa inelastic (mt51-91)
Cross Section

78-Pt-195
To 152.8 %
0.000



72

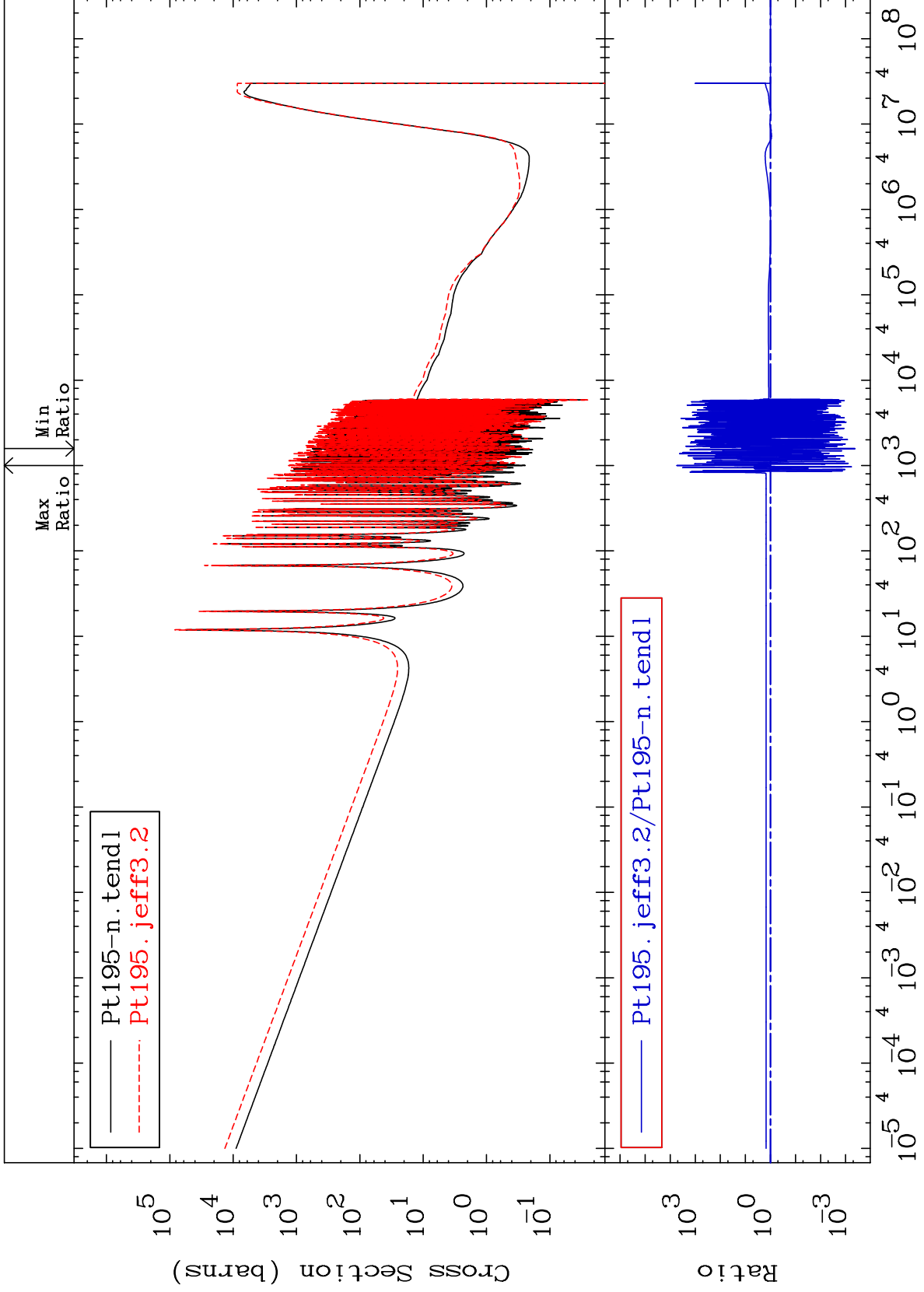
Incident Energy (eV)

78-Pt-195

MAT 7840

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-195
-99.96 To 9999. %



73

Incident Energy (eV)

78-Pt-195

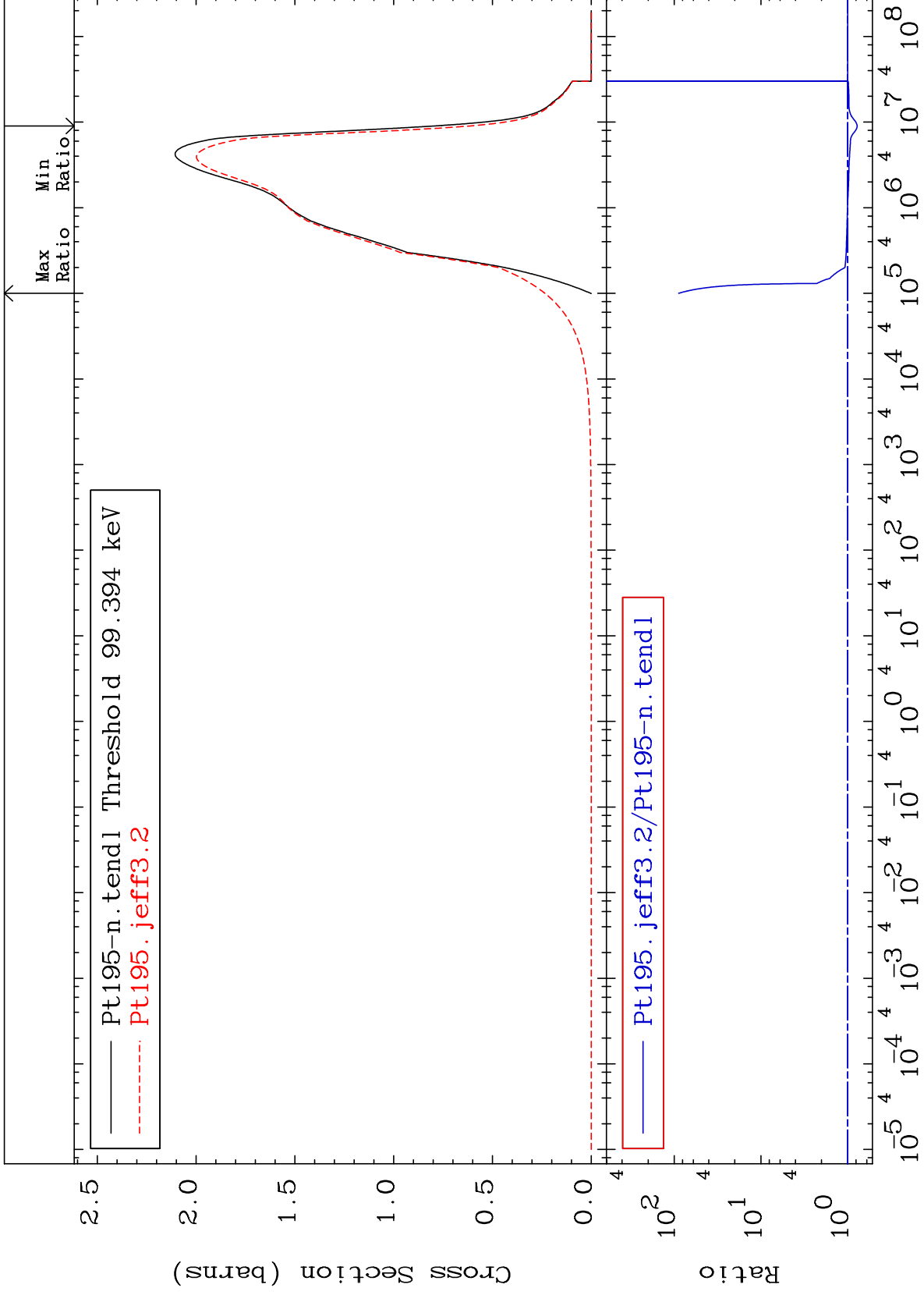
MAT 7840

Inelastic: 78-Pt-195g

78-Pt-195

Radionuclide Production Cross Section

-22.65 To 8796. %



74

Incident Energy (eV)

78-Pt-195

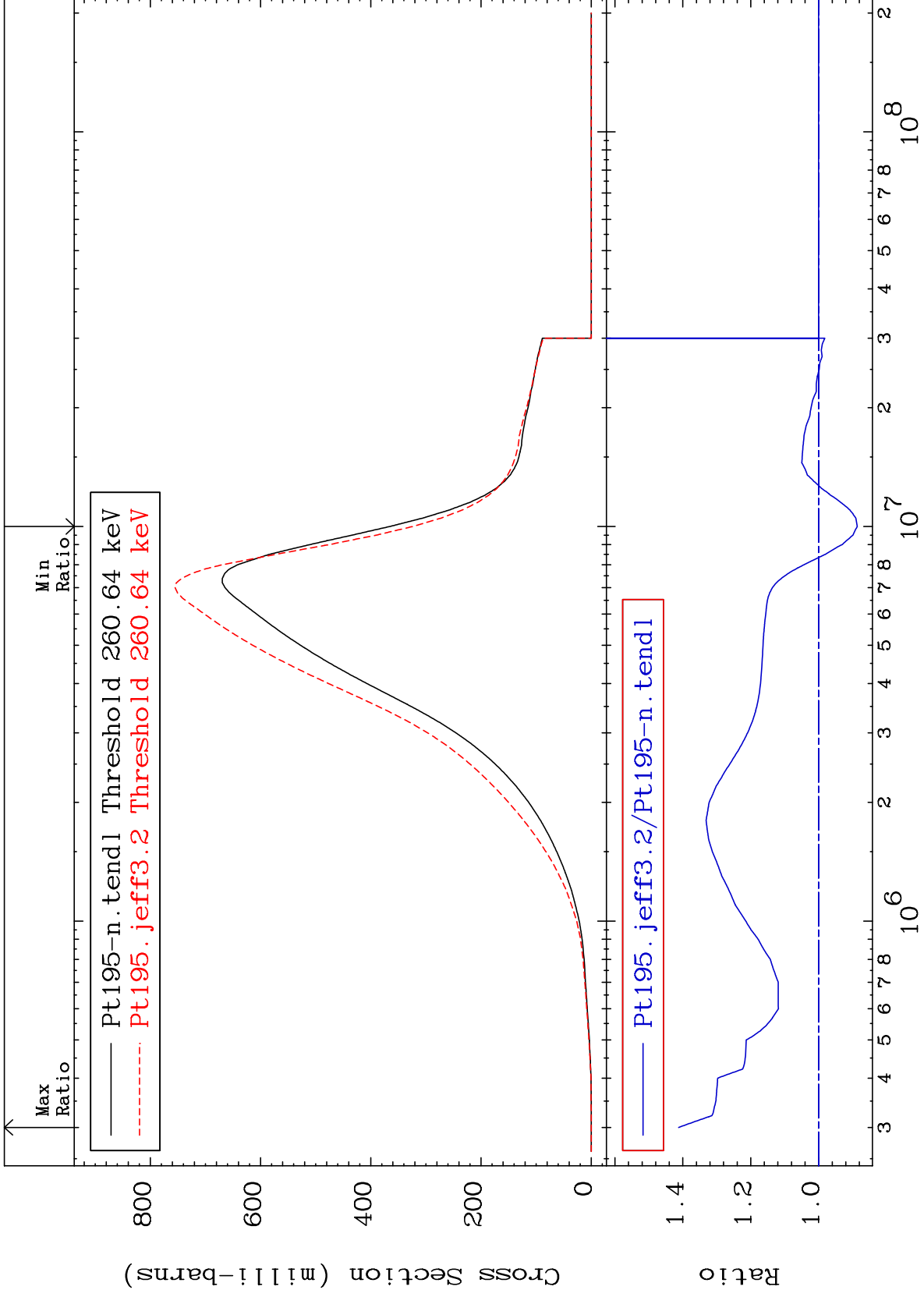
MAT 7840

Inelastic: 78-Pt-195m7

78-Pt-195

Radionuclide Production Cross Section

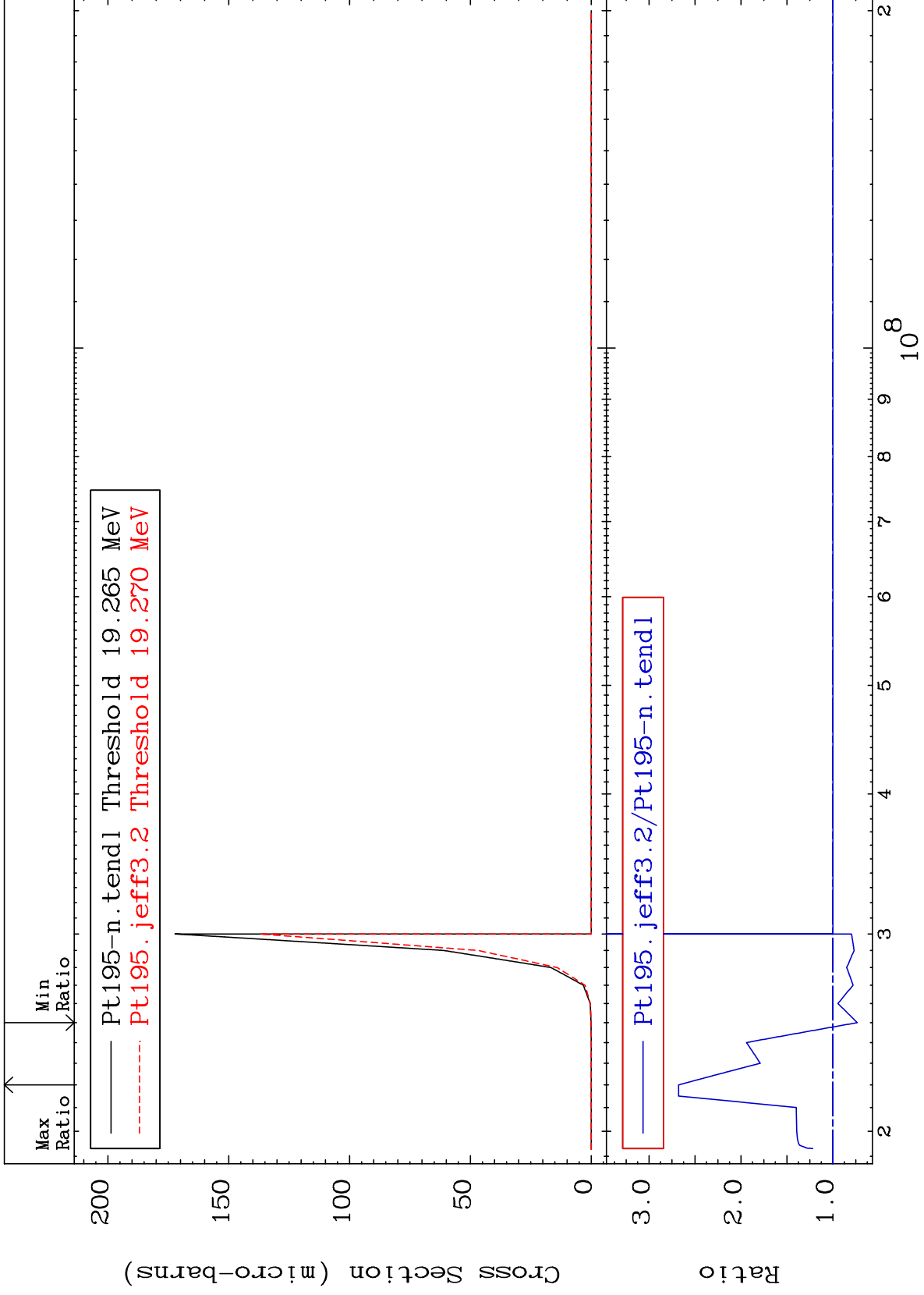
-11.38 To 41.24 %



75

Inelastic: 78-Pt-195m7

78-Pt-195

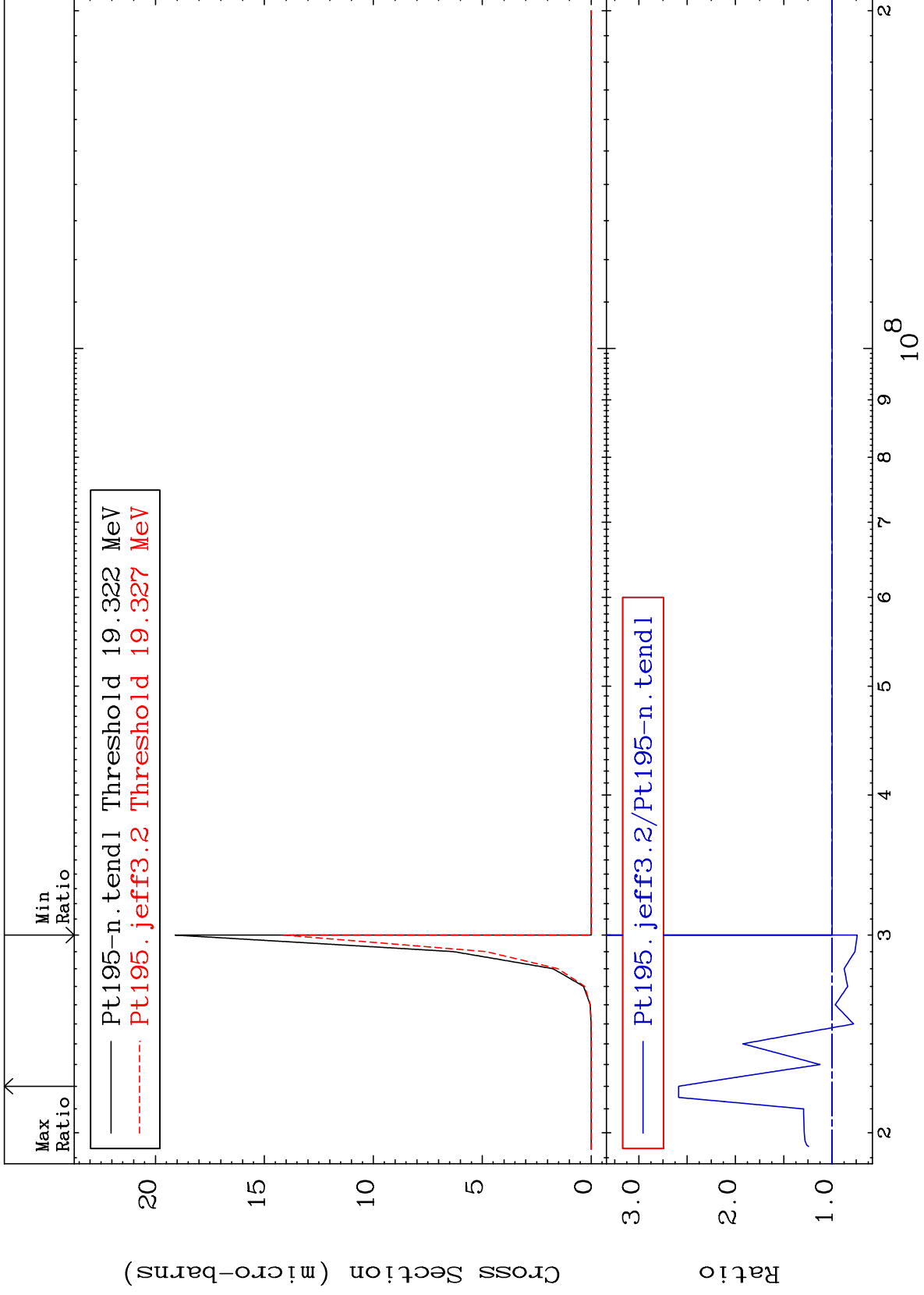


MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -26.11 To 158.8 %

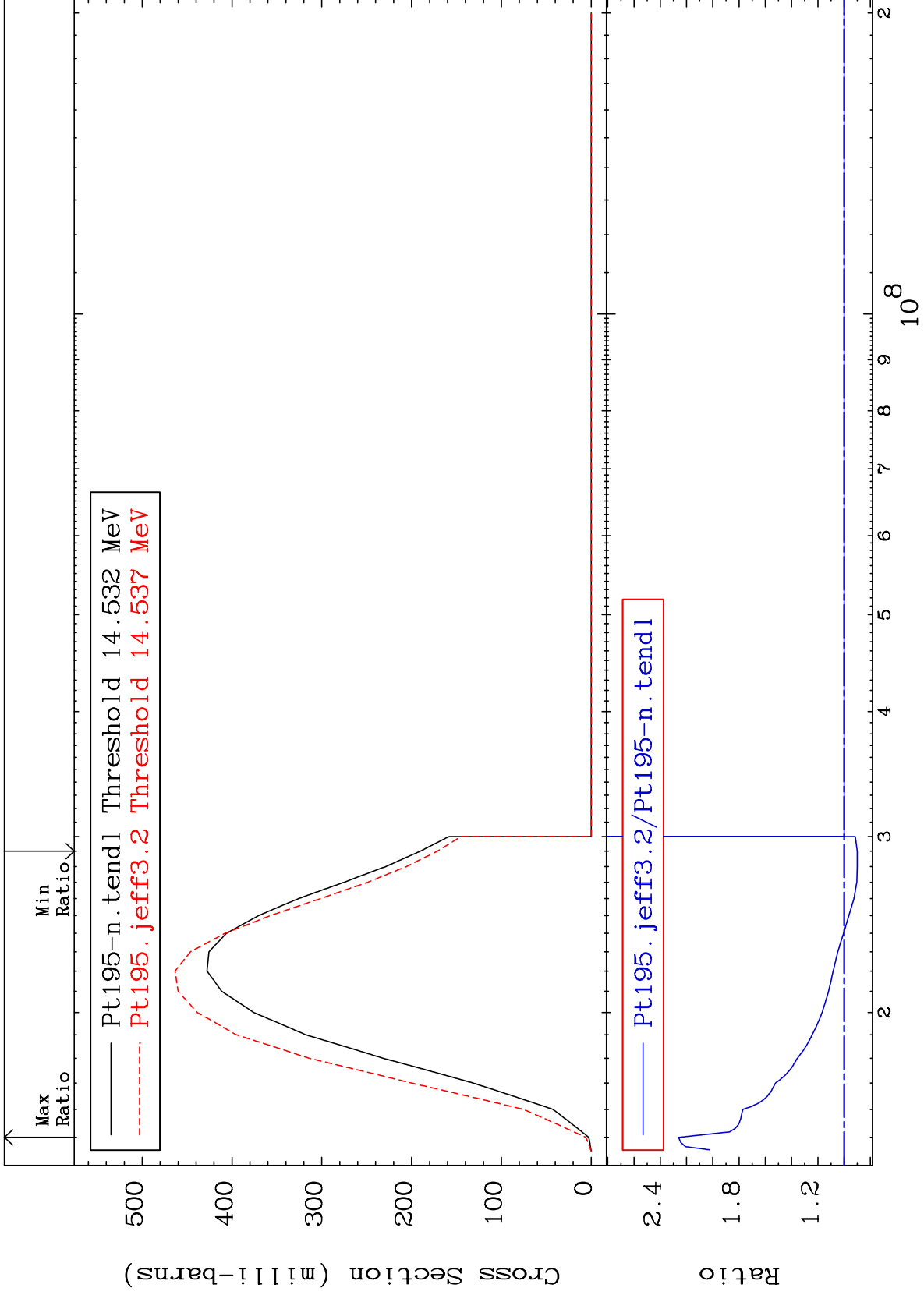


MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -10.00 To 126.0 %

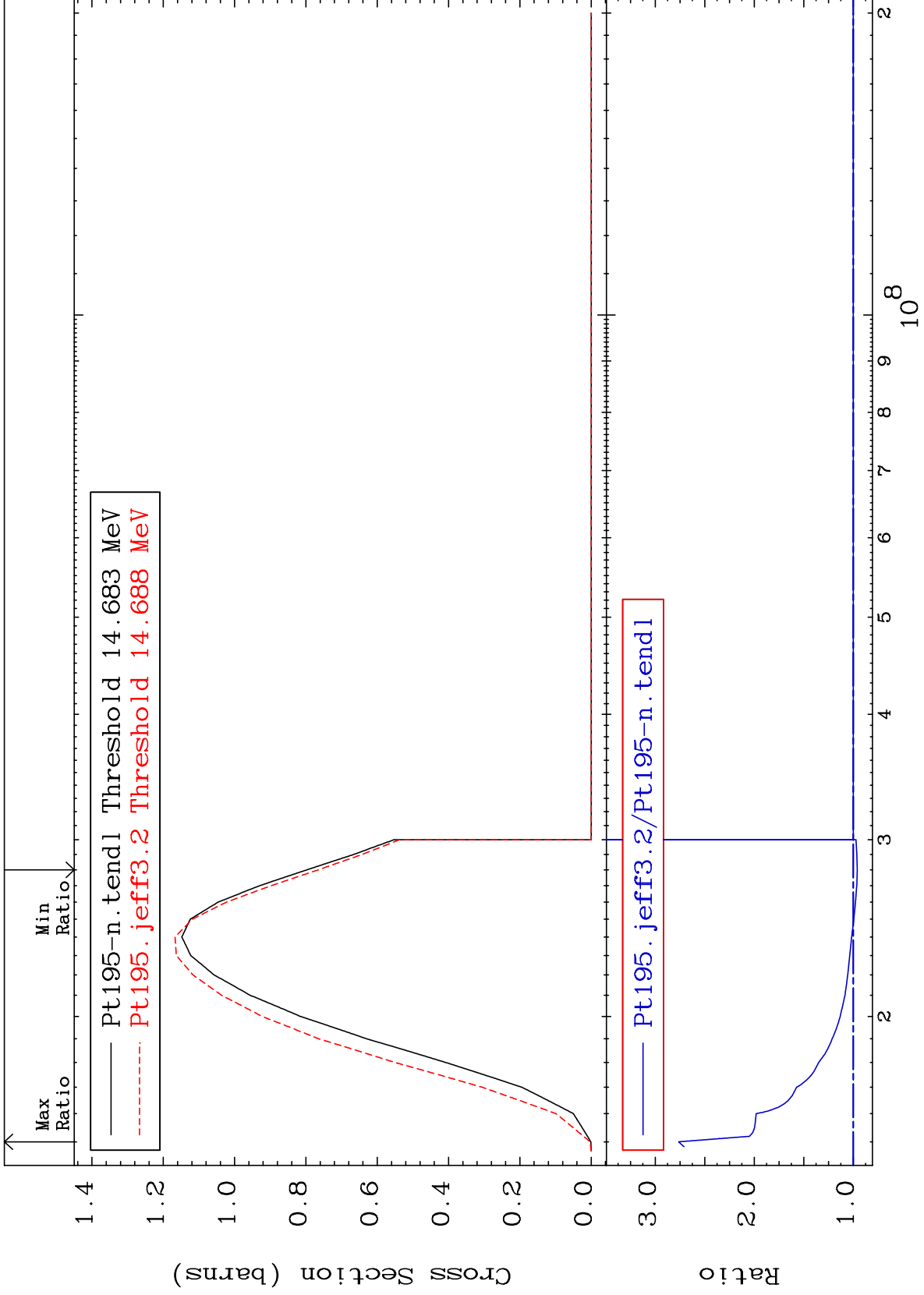


78

Incident Energy (eV)

78-Pt-195

Radionuclide Production Cross Section -4.026 To 176.4 %



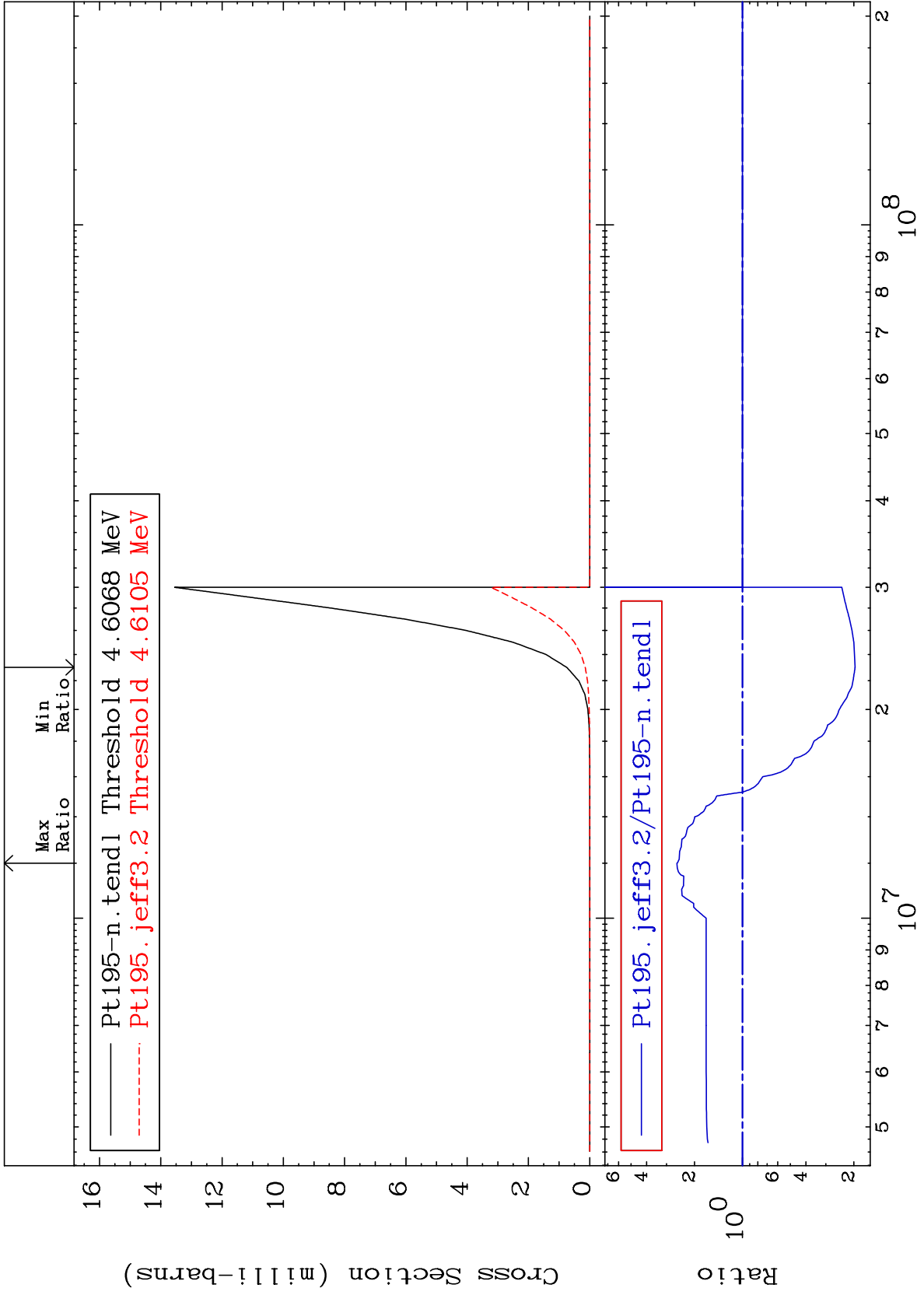
MAT 7840

(n,2n) α : 76-Os-190g

78-Pt-195

Radionuclide Production Cross Section

-80.37 To 157.8 %



80

Incident Energy (eV)

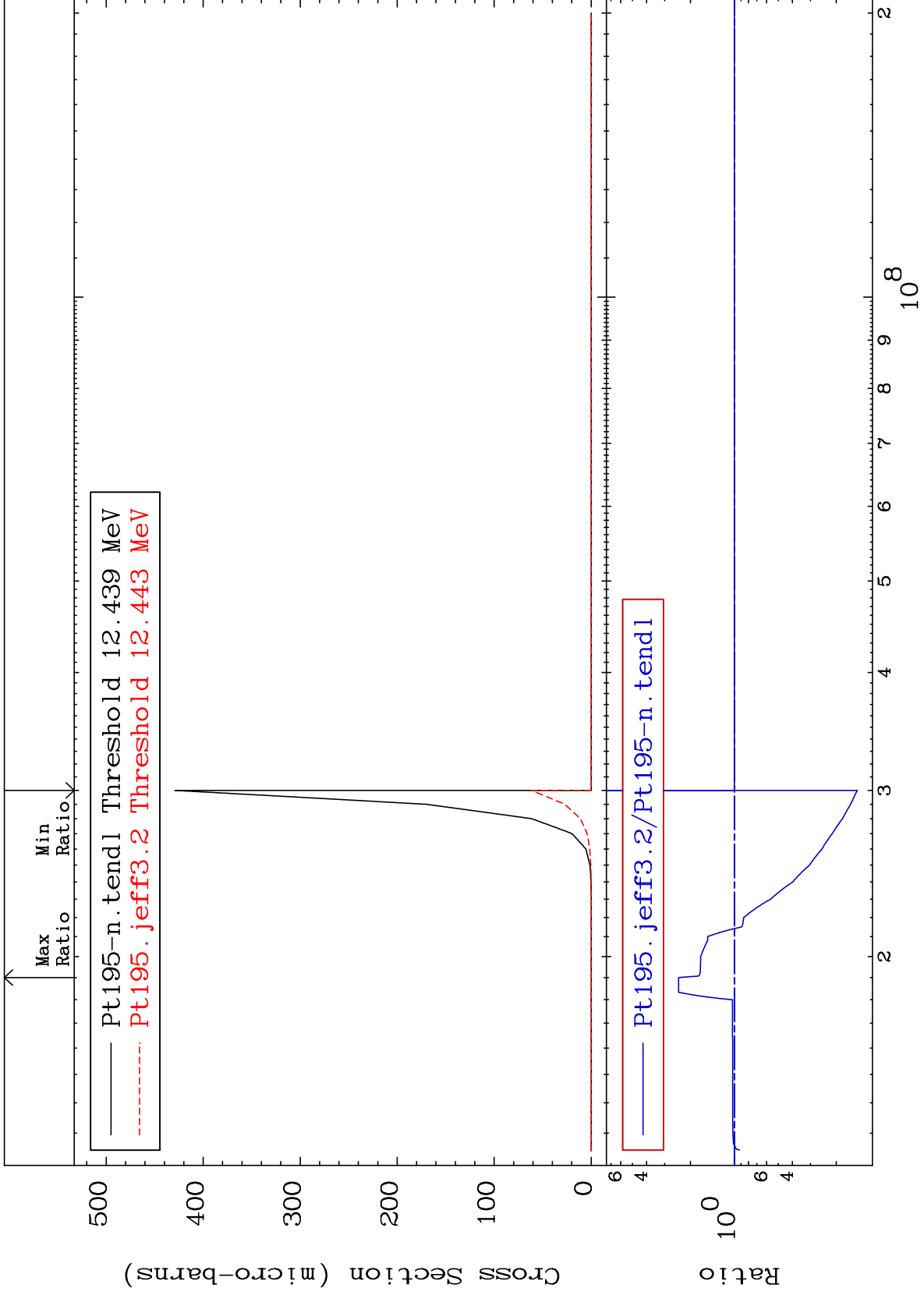
78-Pt-195

MAT 7840

(n,3n) α : 76-Os-189g

78-Pt-195

Radionuclide Production Cross Section -85.65 To 140.8 %

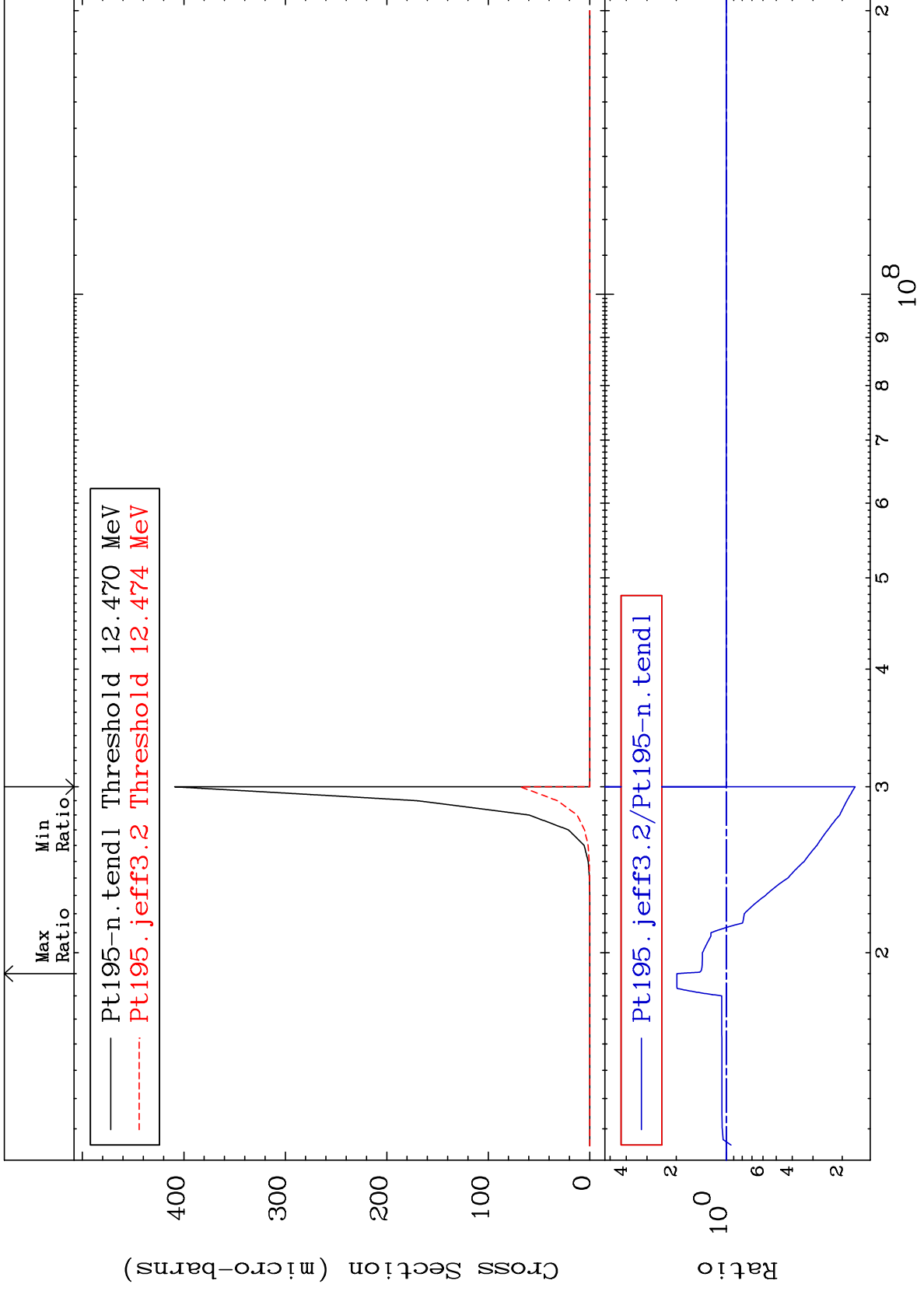


MAT 7840

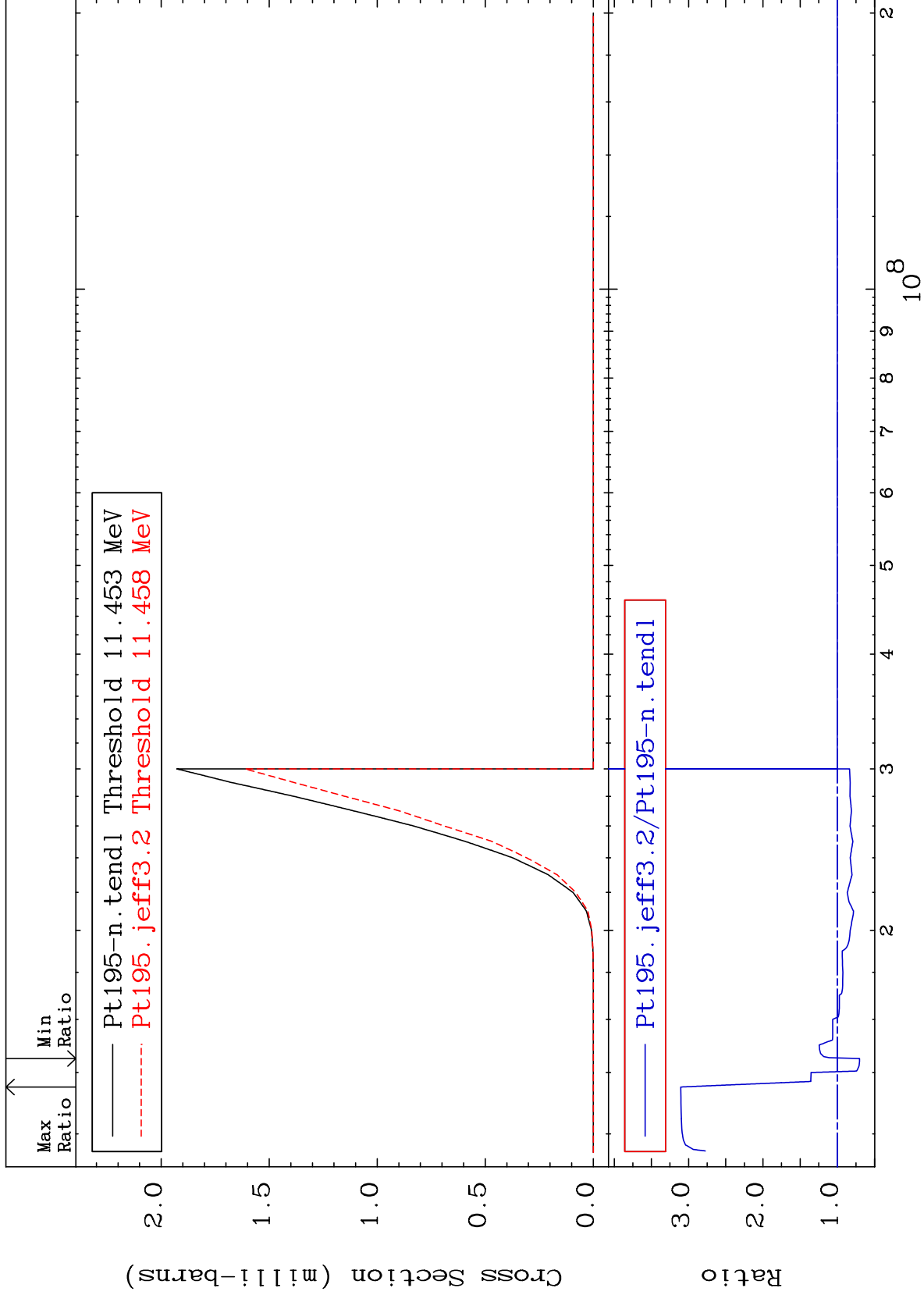
(n,3n) α : 76-0s-189m1

78-Pt-195

Radionuclide Production Cross Section -83.26 To 98.06 %



Radionuclide Production Cross Section -29.88 To 210.5 %

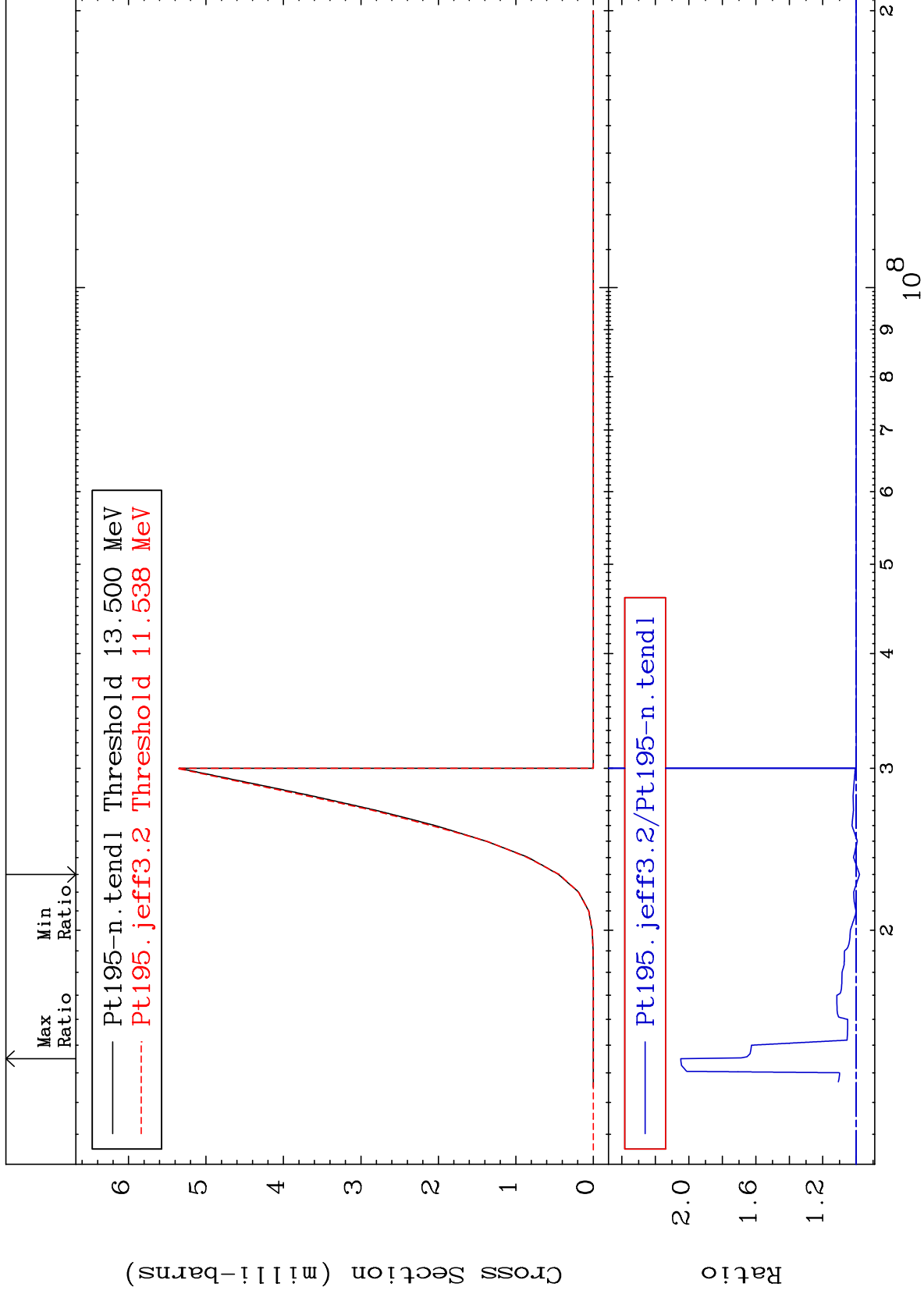


MAT 7840

(n, n') d: 77-Ir-193m2

78-Pt-195

Radionuclide Production Cross Section -1.951 To 104.8 %

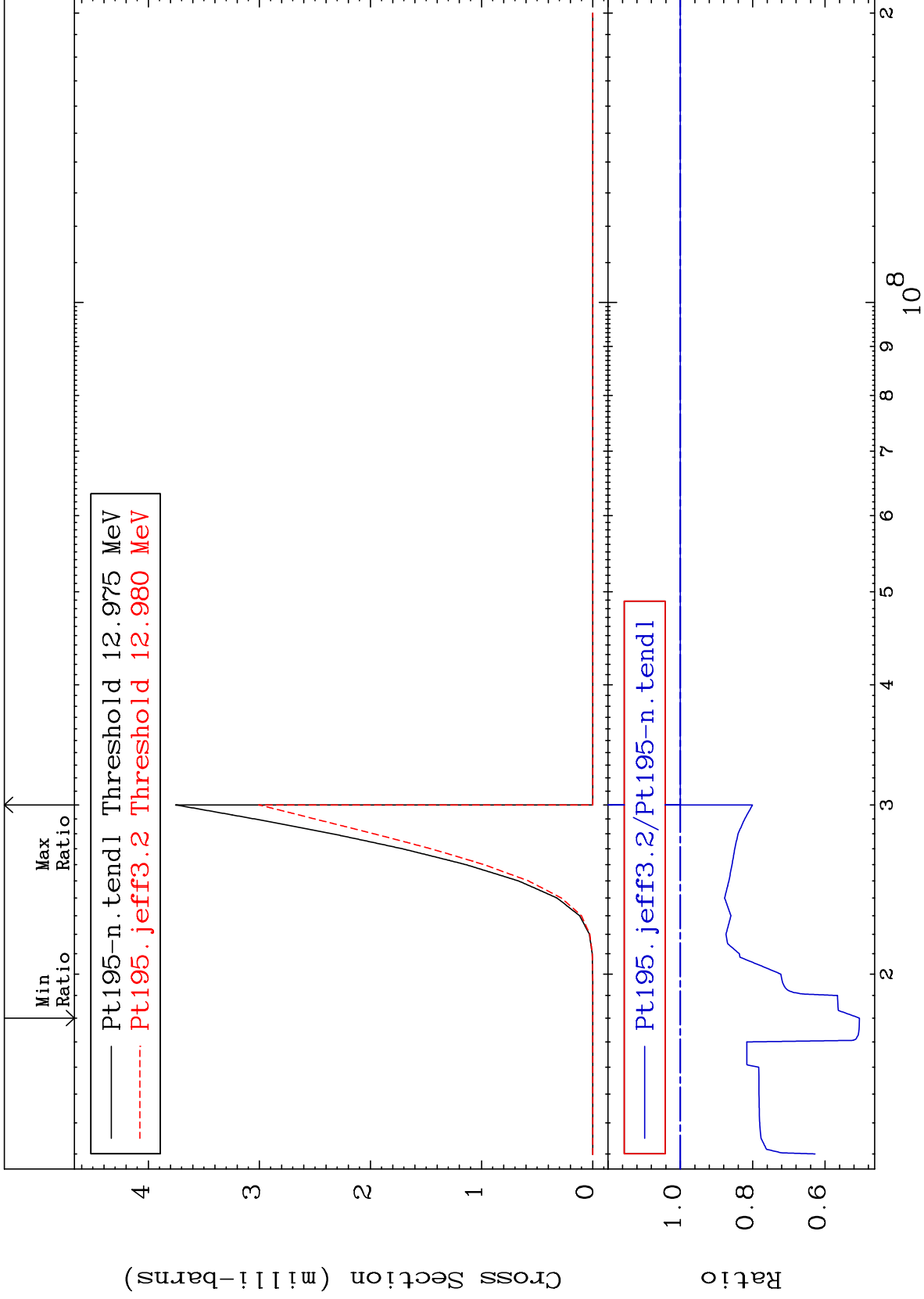


MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -49.50 To 0.000 %

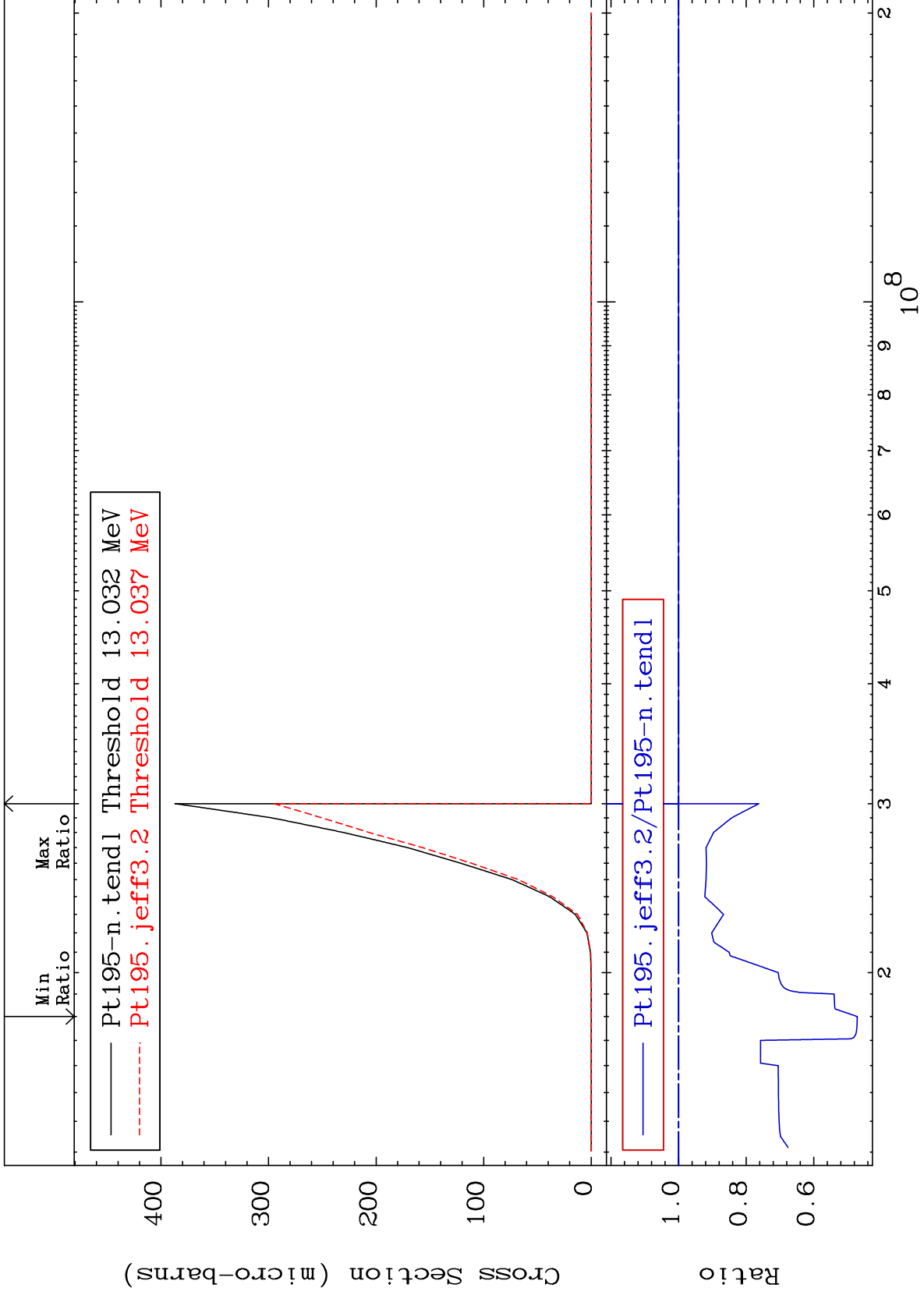


85

Incident Energy (eV)

78-Pt-195

Radionuclide Production Cross Section -52.89 To 0.000 %

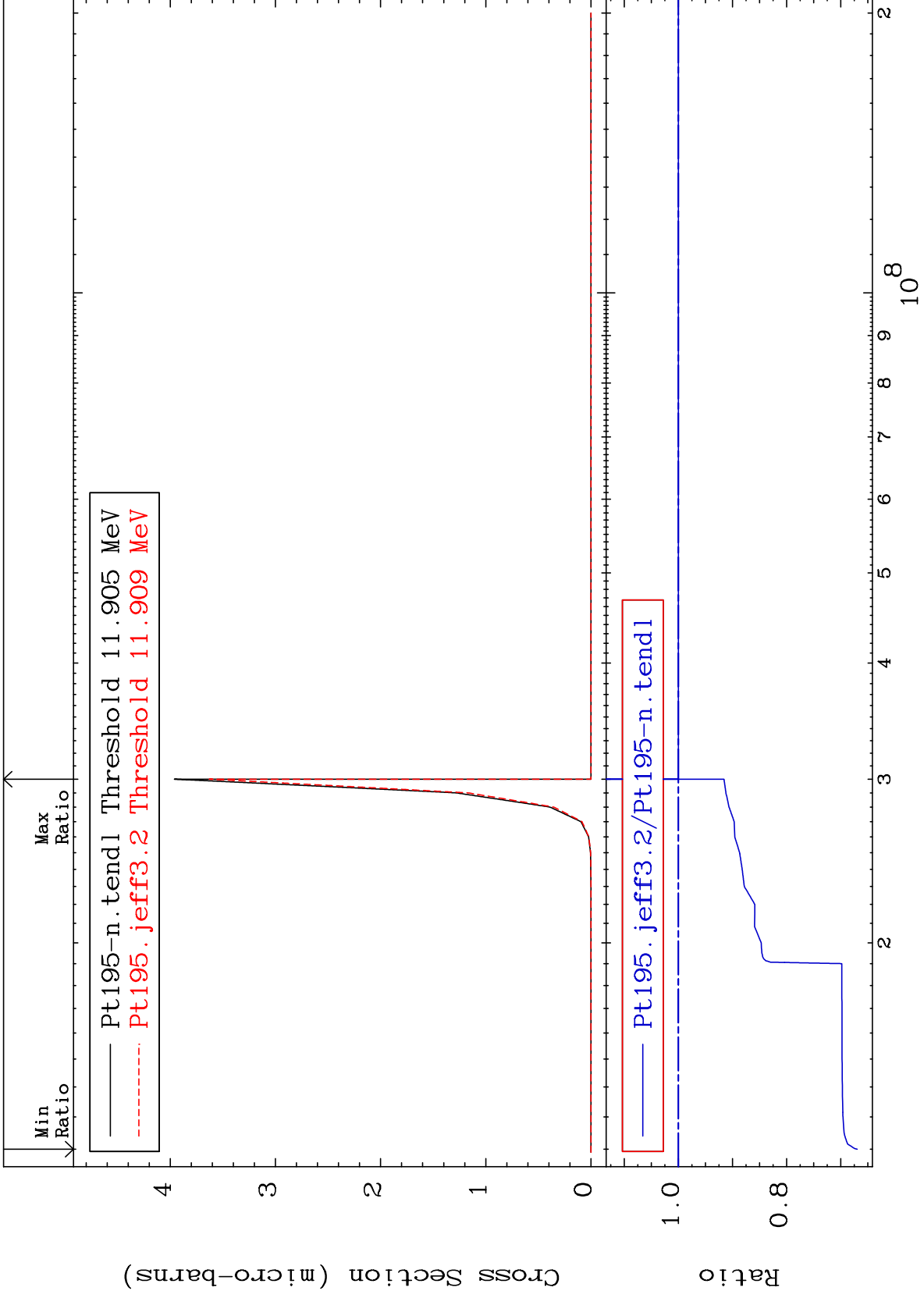


MAT 7840

(n, n') He-3:76-Os-192g

78-Pt-195

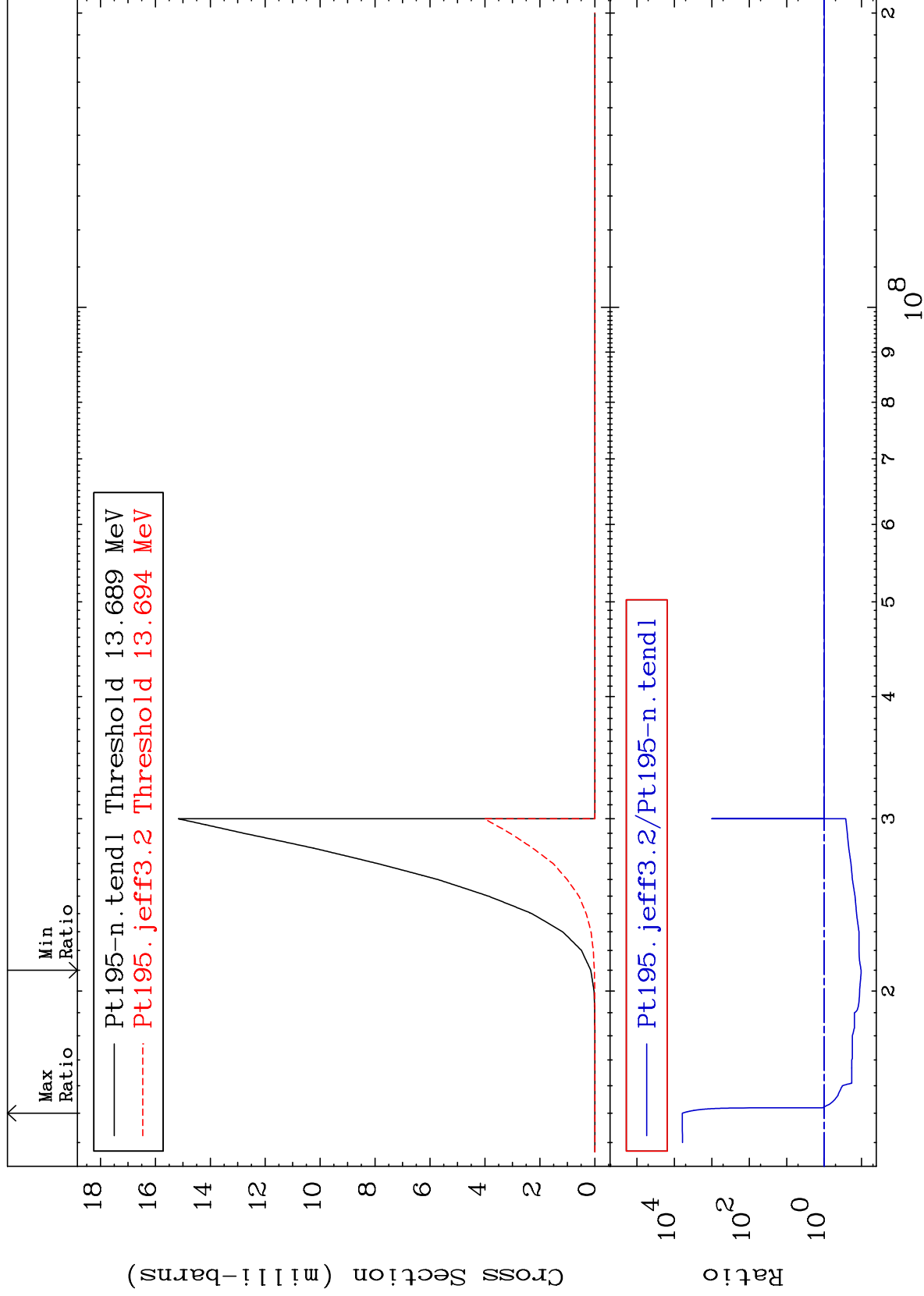
Radionuclide Production Cross Section -33.03 To 0.000 %



87

Incident Energy (eV)

78-Pt-195

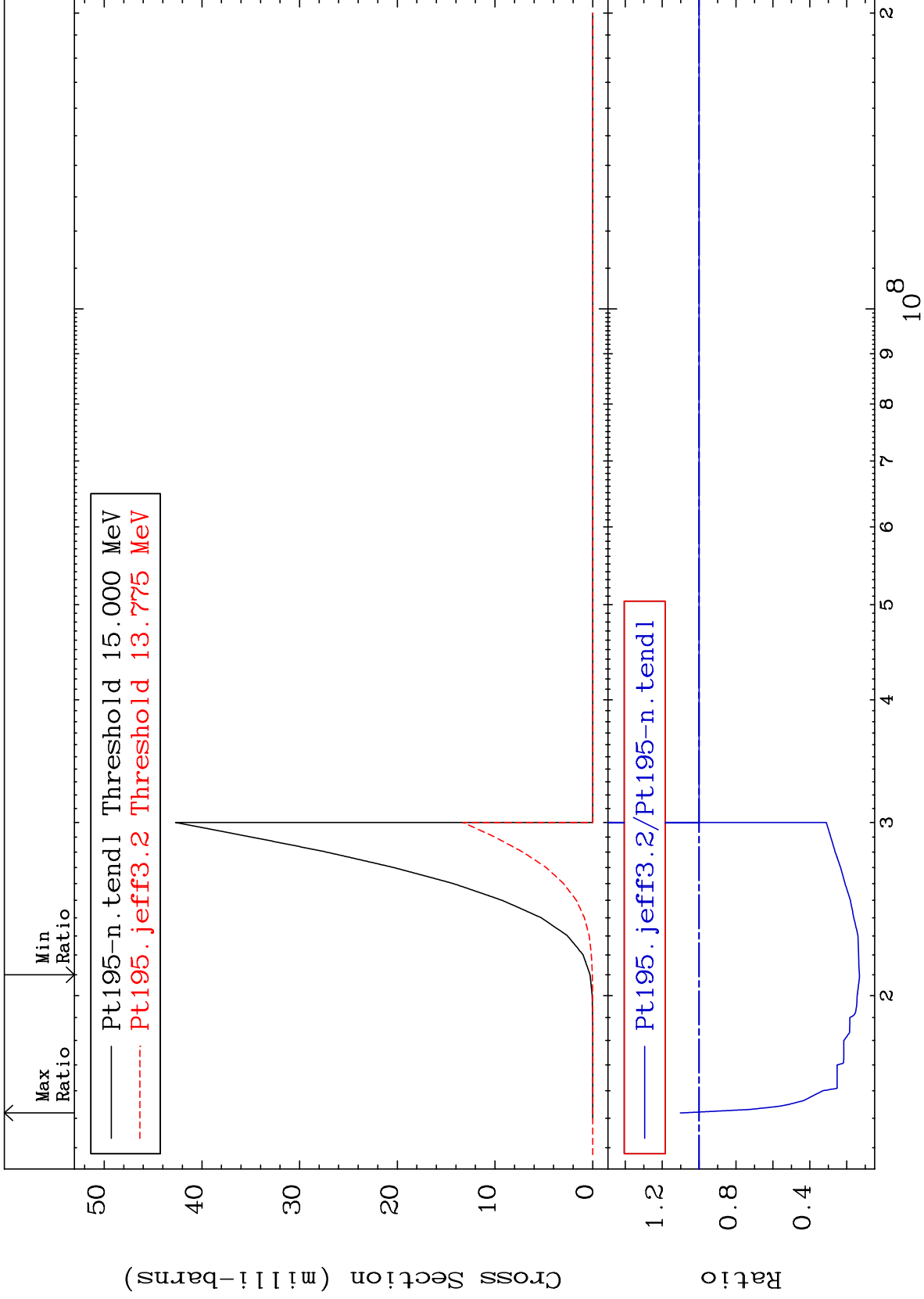


MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -86.87 To 10.18 %



89

Incident Energy (eV)

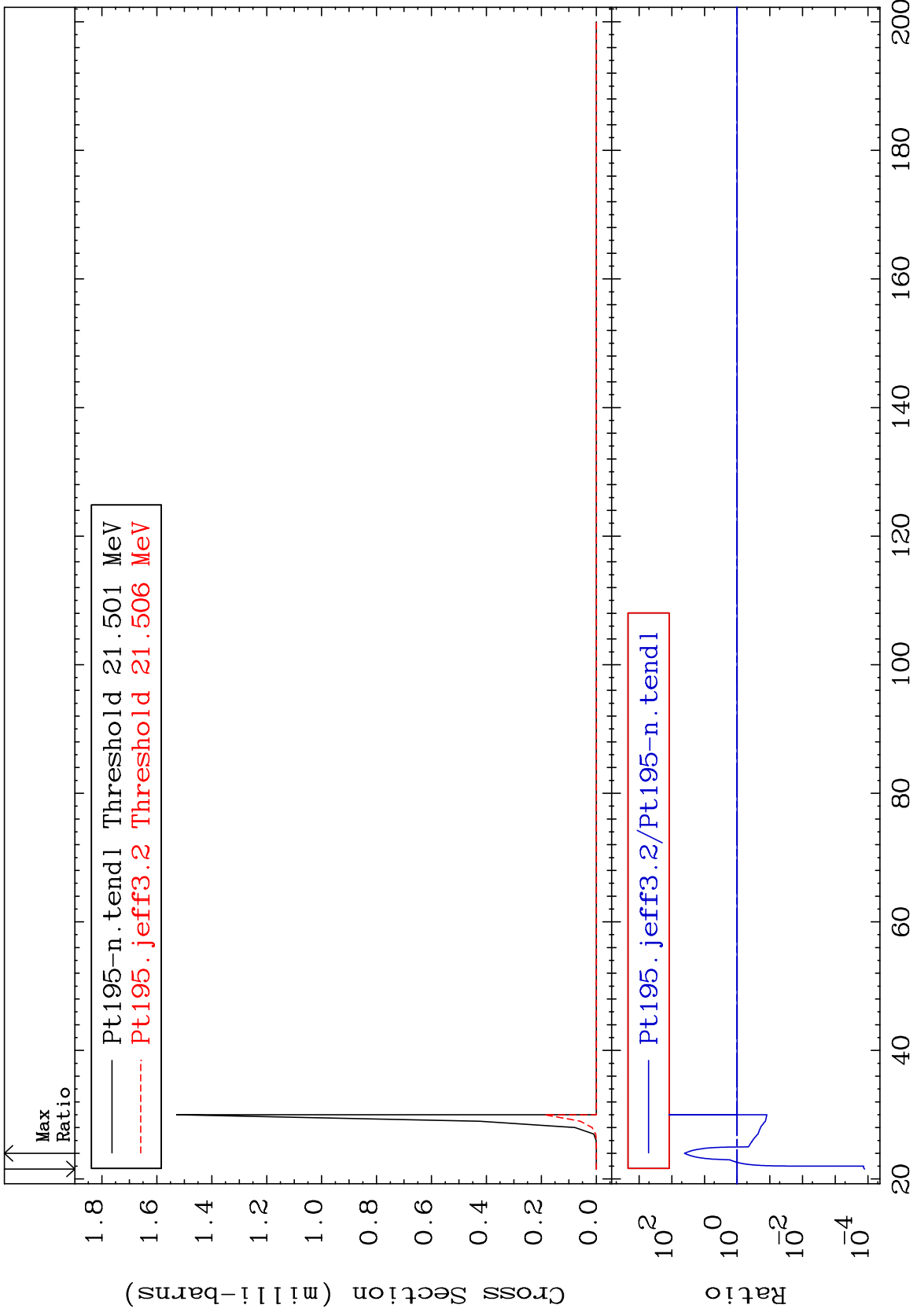
78-Pt-195

MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -99.99 To 3990. %



90

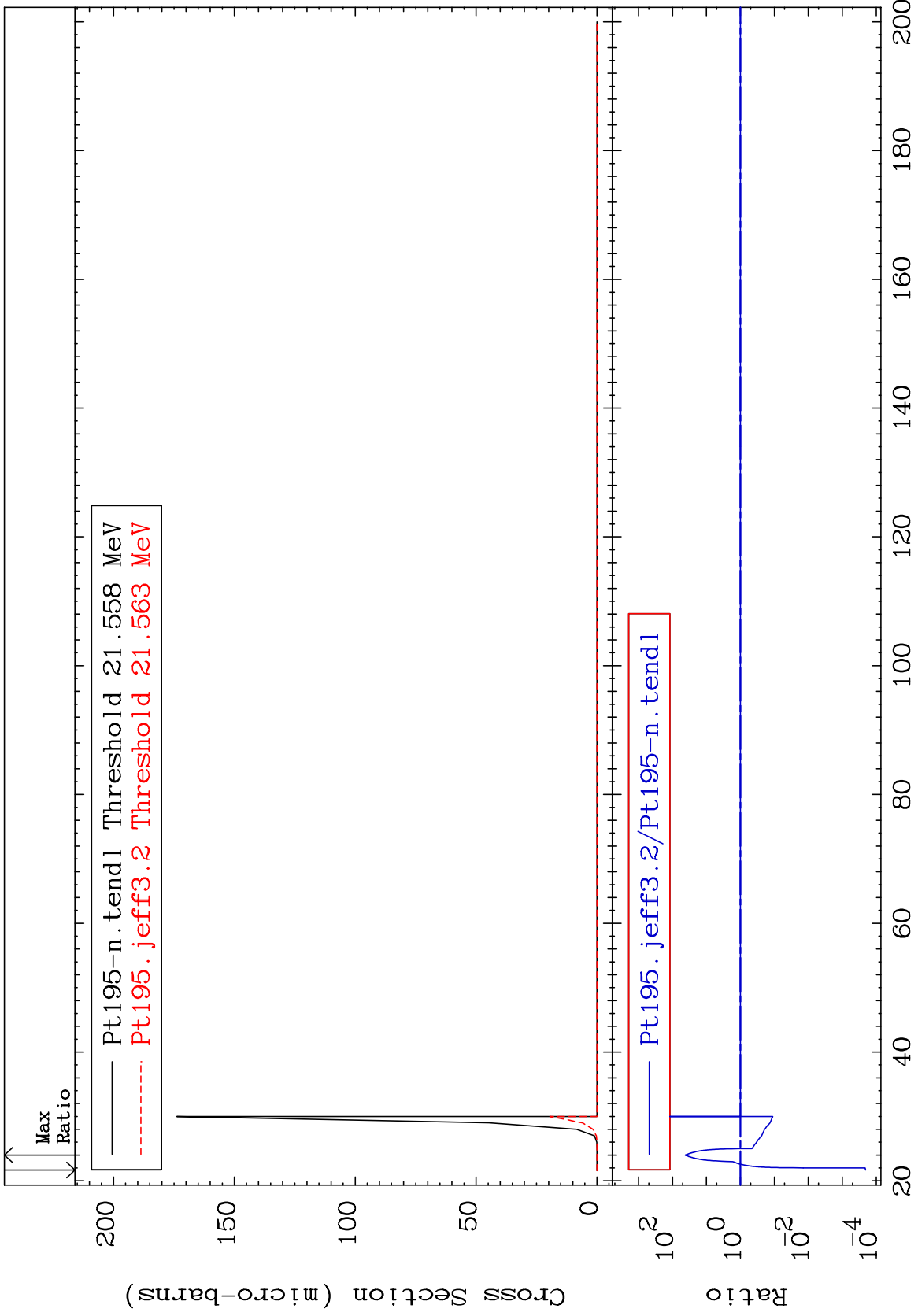
78-Pt-195

MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -99.98 To 4123. %

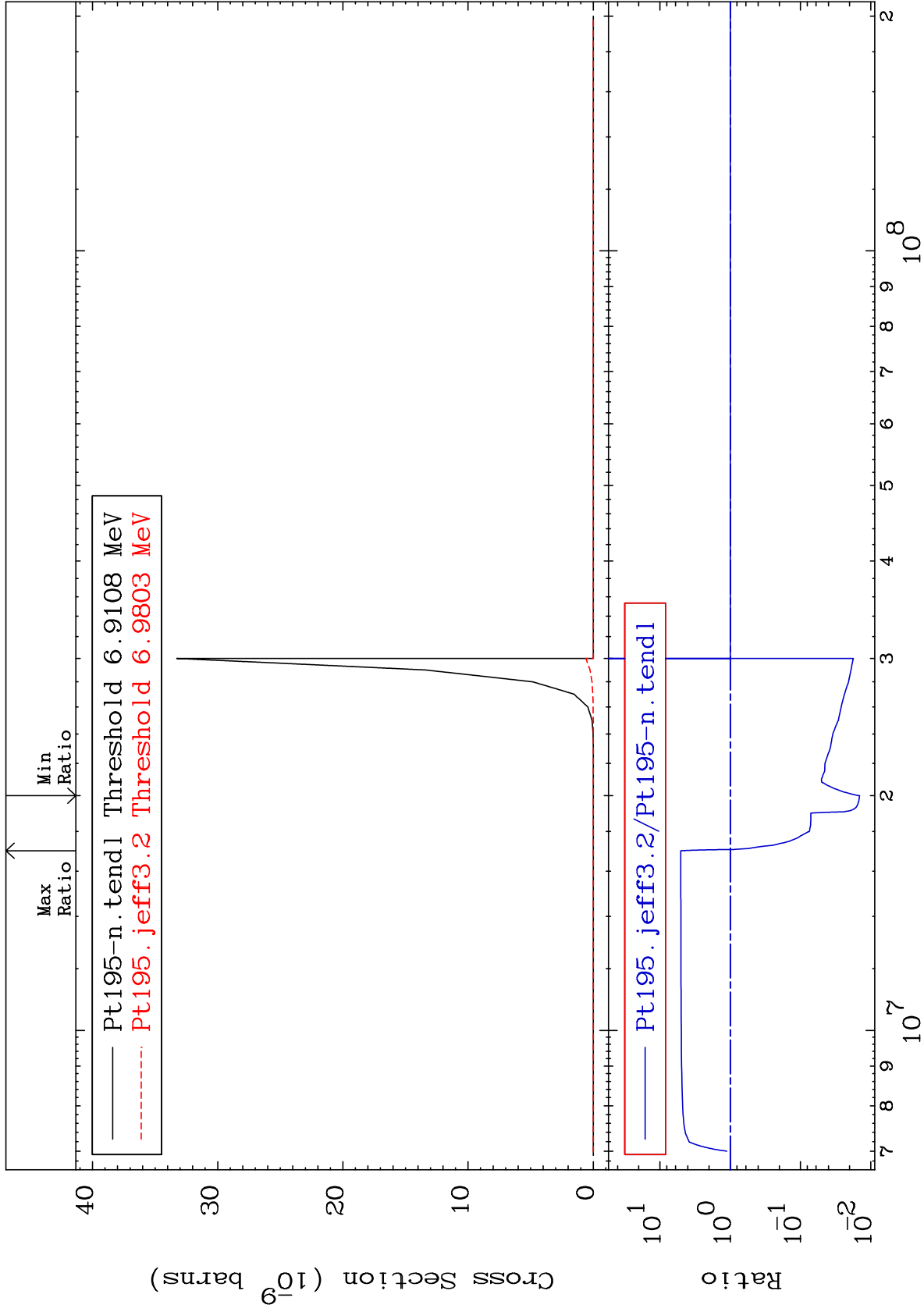


MAT 7840

78-Pt-195

(n, n') p α : 75-Re-190g

Radionuclide Production Cross Section -98.56 To 405.2 %



92

Incident Energy (eV)

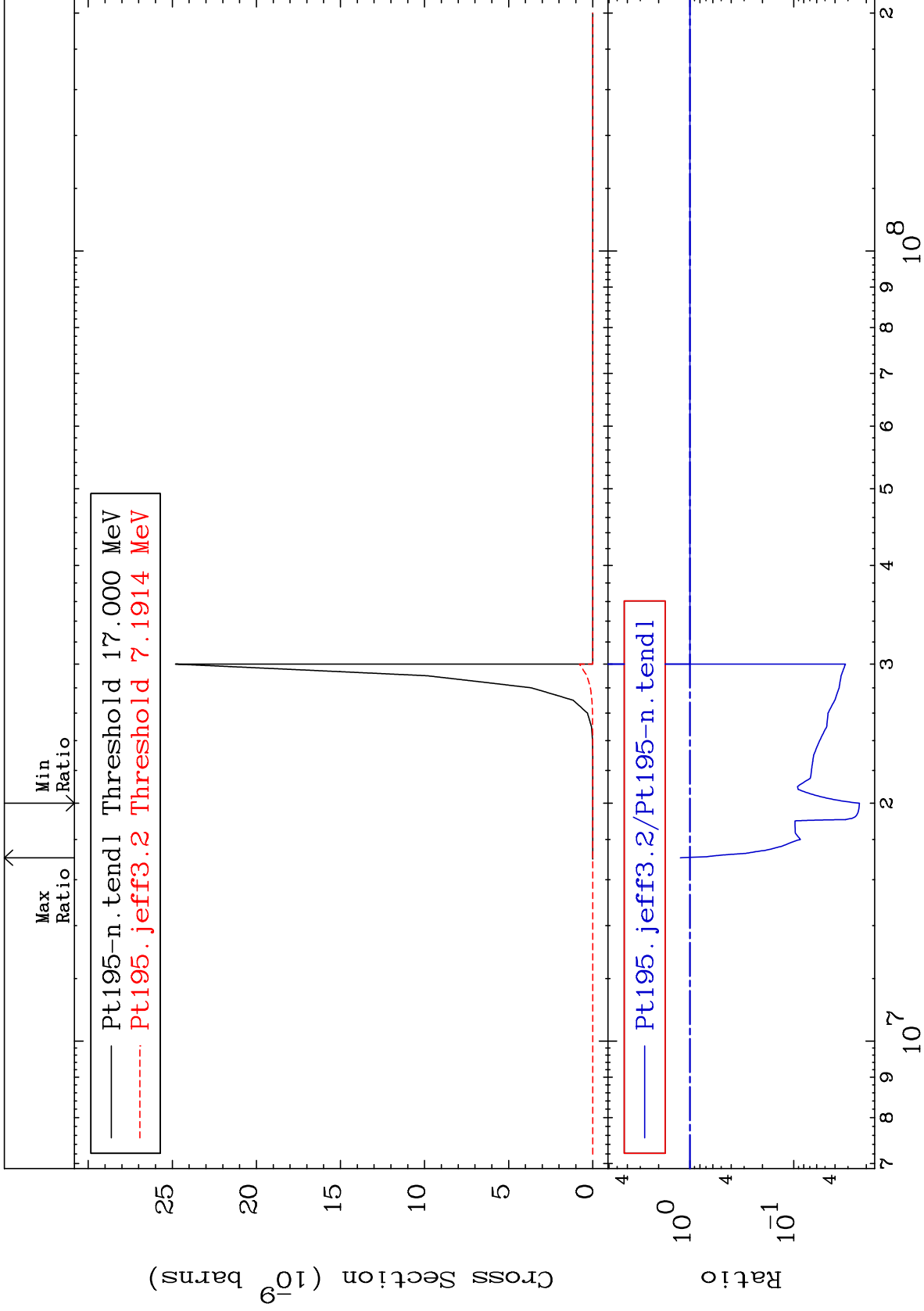
78-Pt-195

MAT 7840

(n, n') p α :75-Re-190m3

78-Pt-195

Radionuclide Production Cross Section -97.67 To 23.35 %



93

Incident Energy (eV)

78-Pt-195

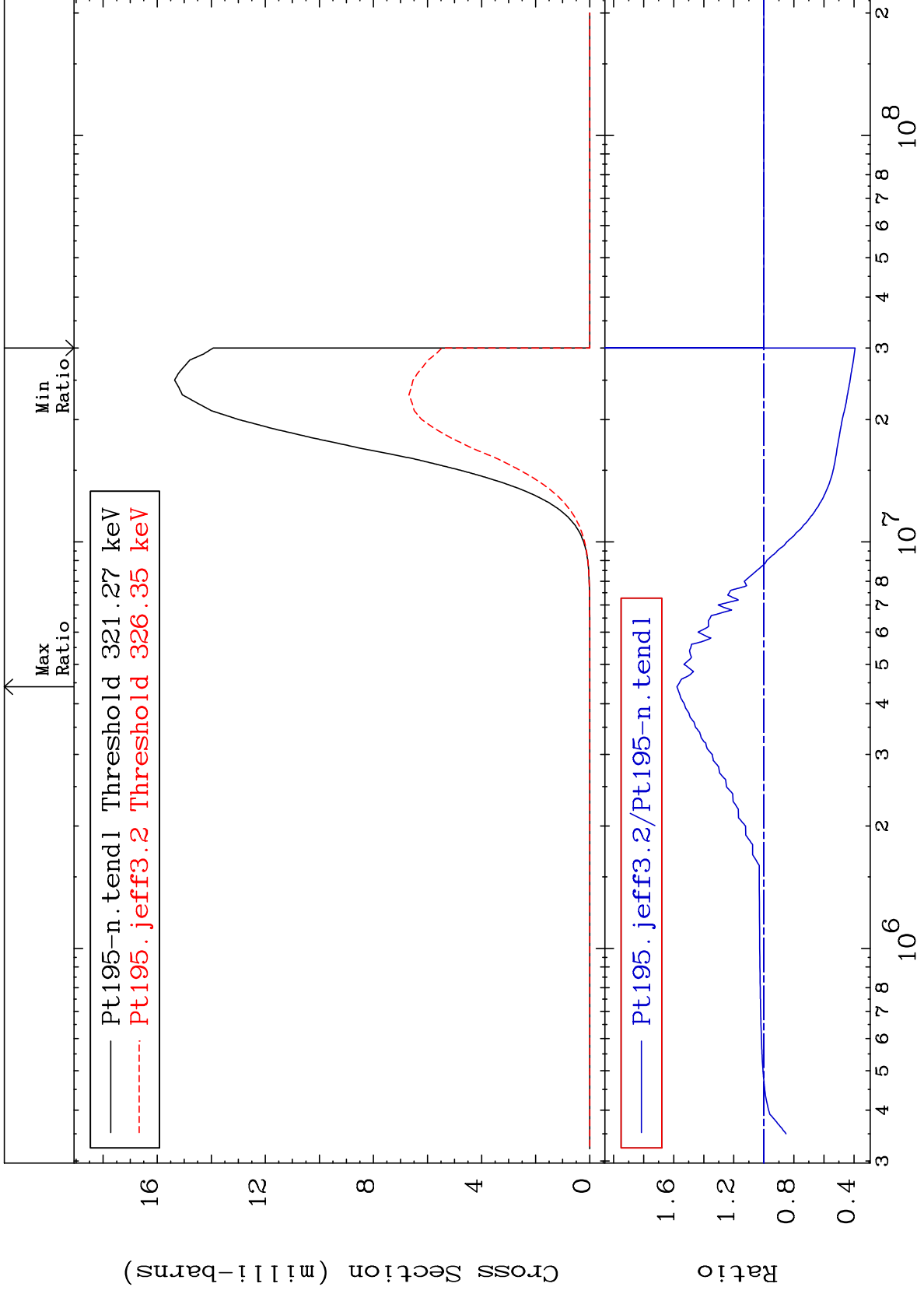
MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section

-60.74 To 57.87 %

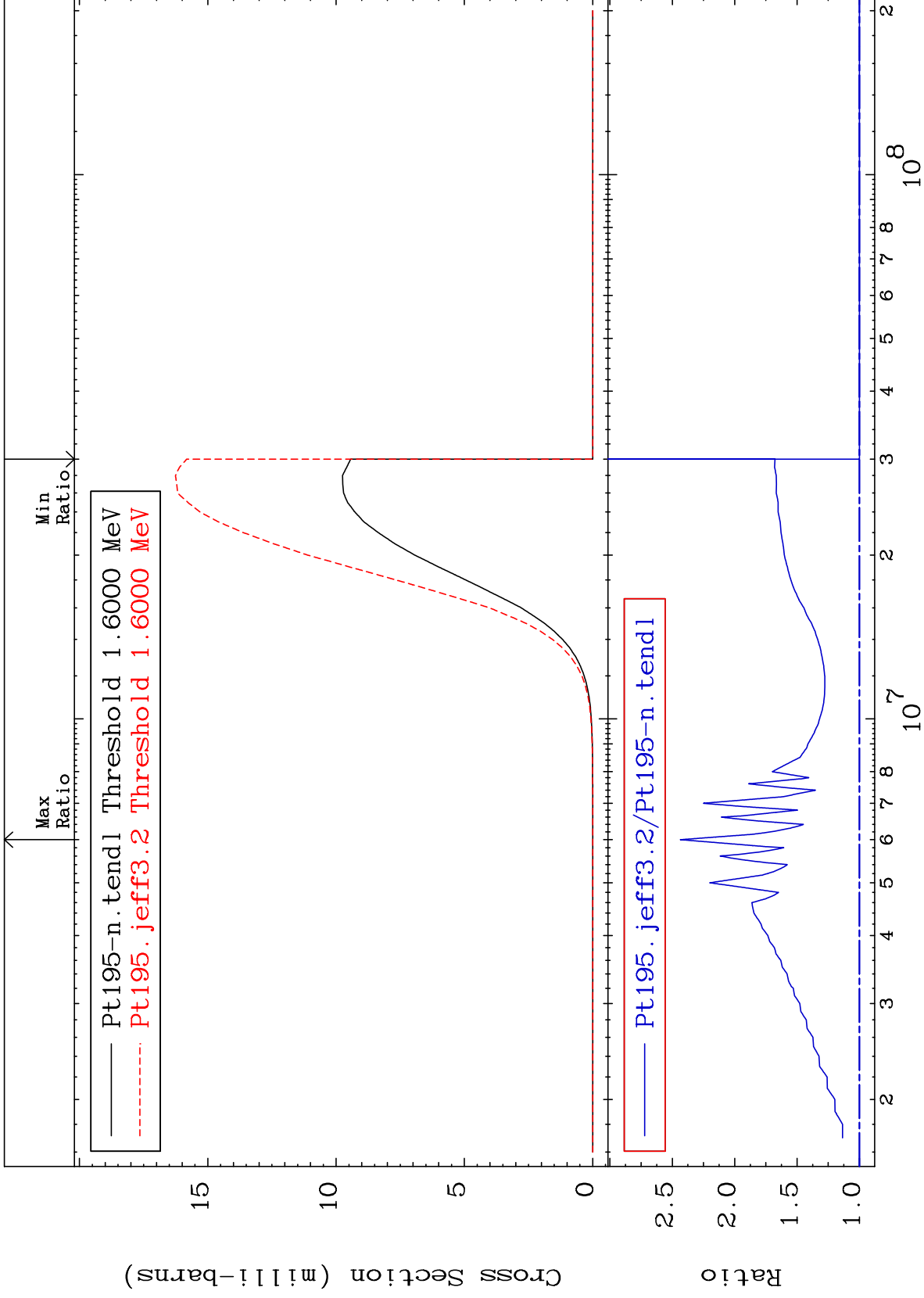


MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section 0.000 To 143.5 %



95

Incident Energy (eV)

78-Pt-195

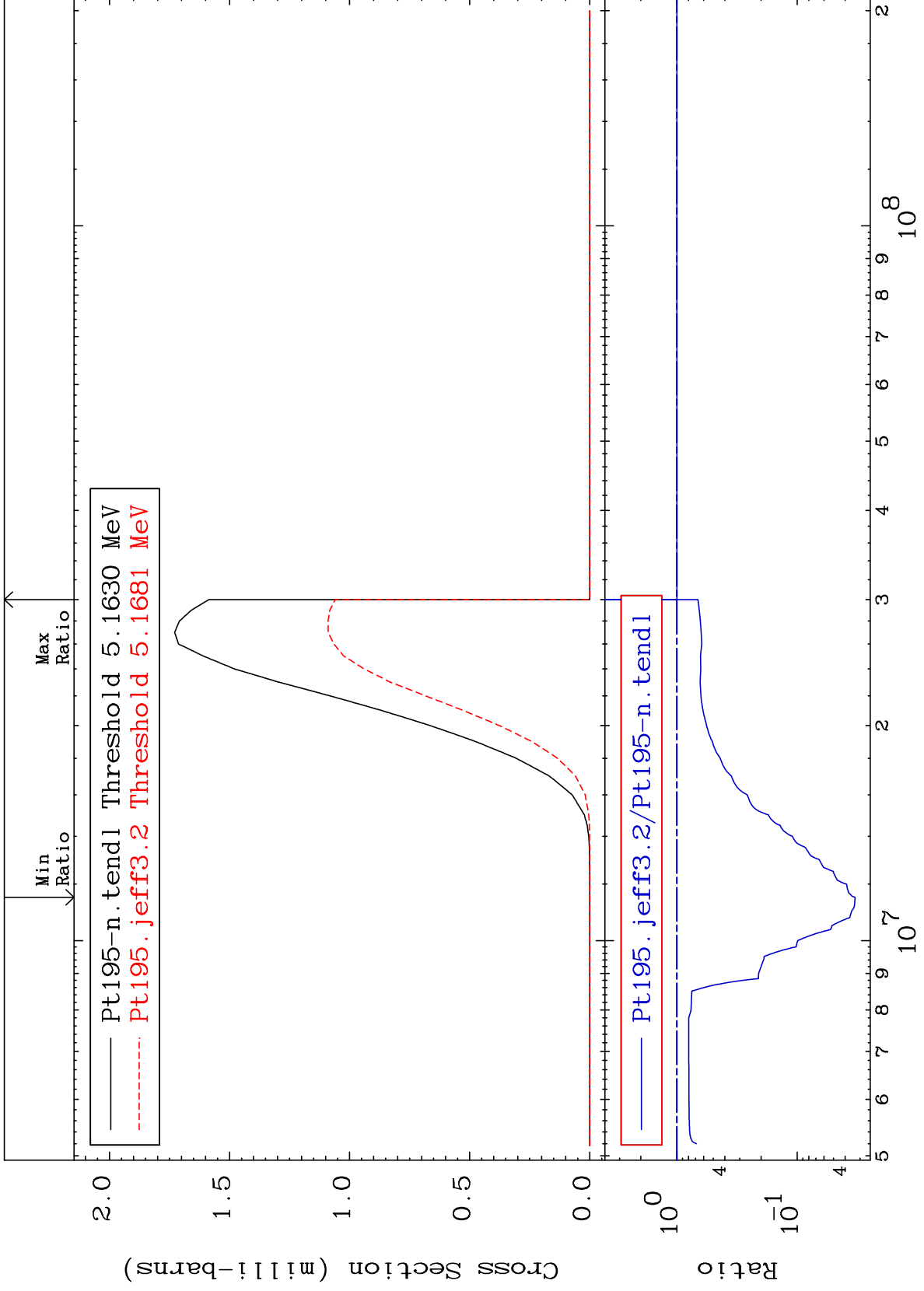
MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section

-96.70 To 0.000 %



96

Incident Energy (eV)

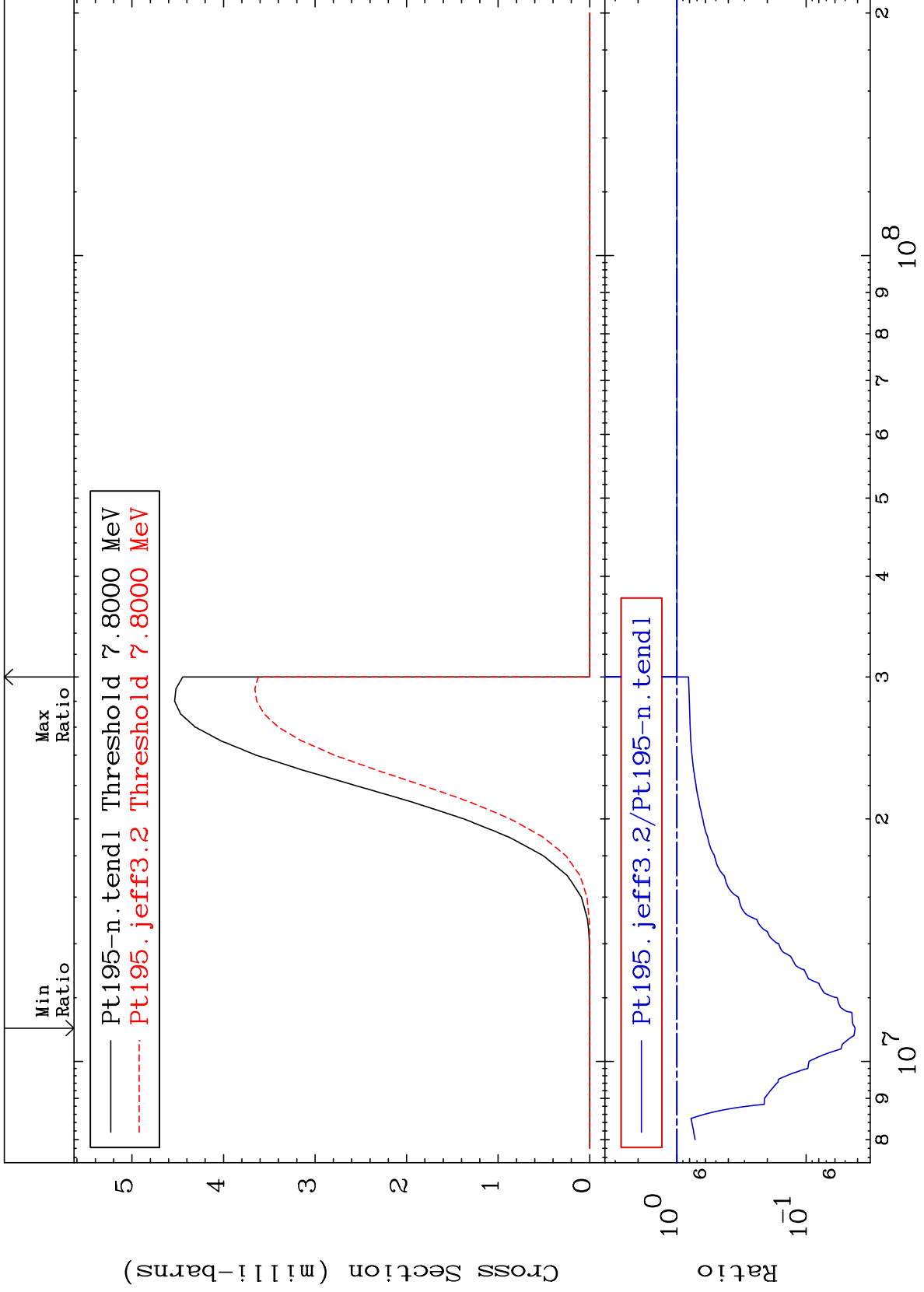
78-Pt-195

MAT 7840

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

78-Pt-195

Radionuclide Production Cross Section -95.81 To 0.000 %



97

Incident Energy (eV)

78-Pt-195