

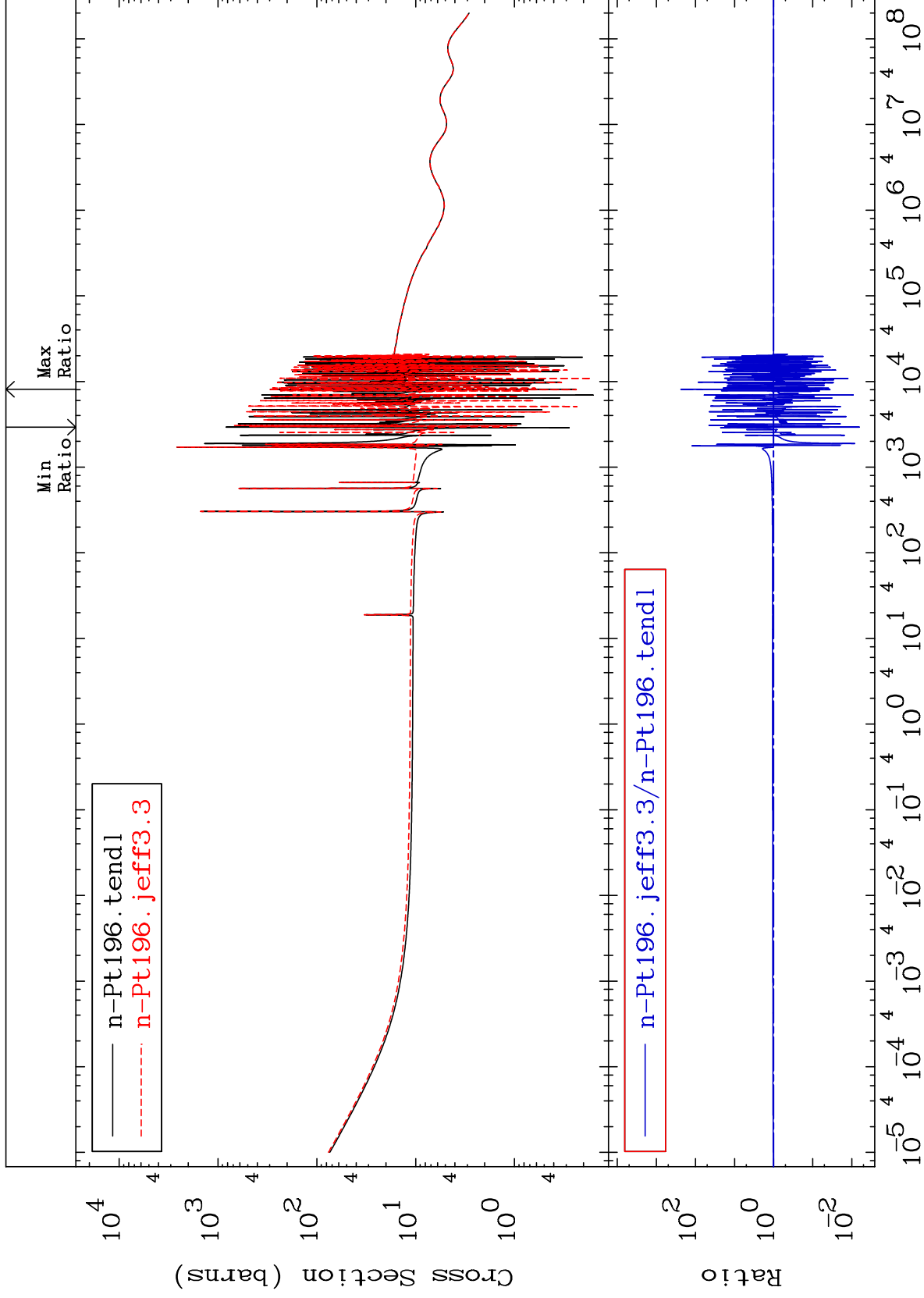
MAT 7843

Total

78-Pt-196

Cross Section

-99.37 To 9999. %



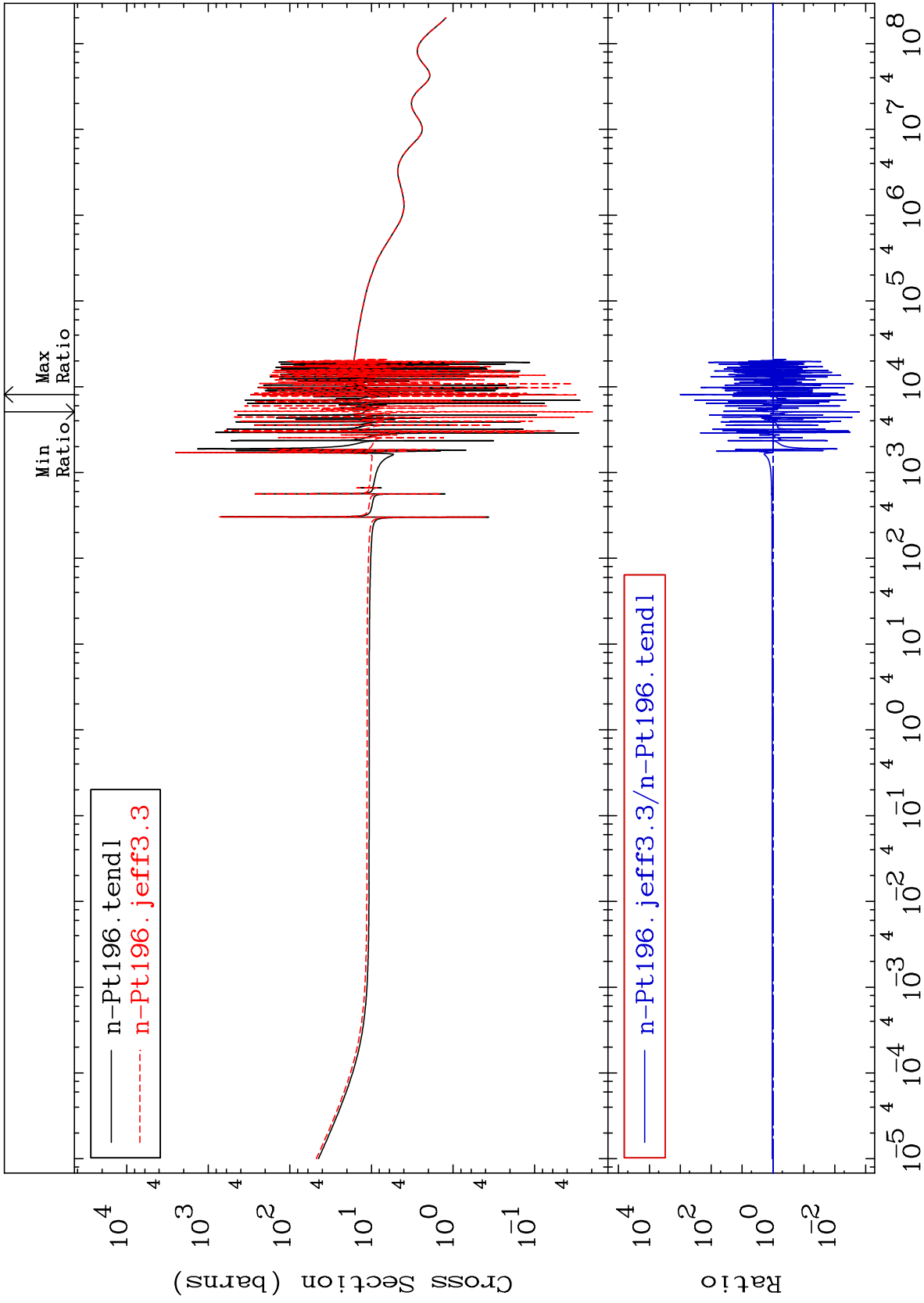
Incident Energy (eV)

78-Pt-196

MAT 7843

Elastic
Cross Section

78-Pt-196
-99.84 To 9999. %



Incident Energy (eV)

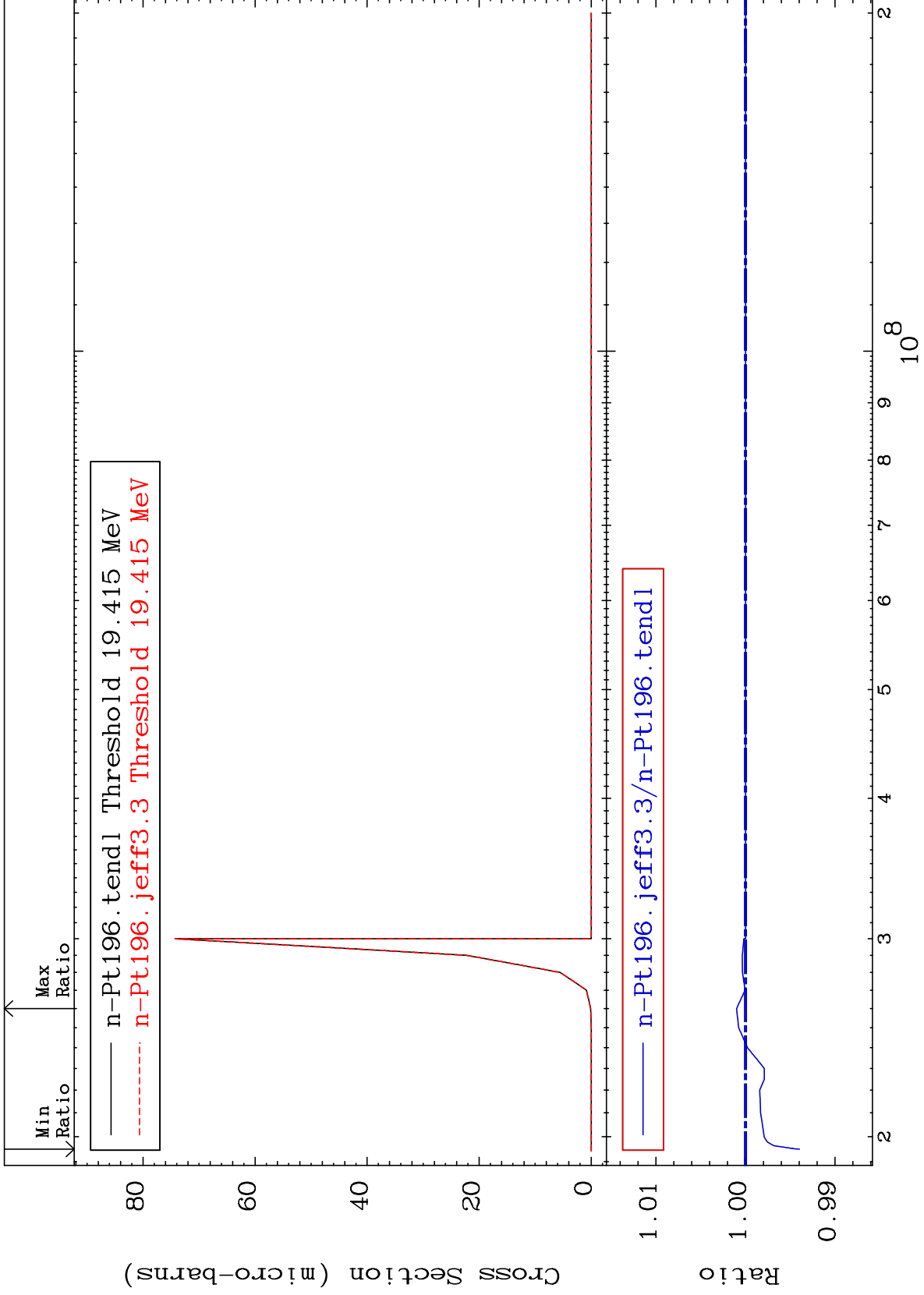
2

78-Pt-196

MAT 7843

(n,2n) d
Cross Section

78-Pt-196
-0.602 To 0.100 %



3

Incident Energy (eV)

78-Pt-196

MAT 7843

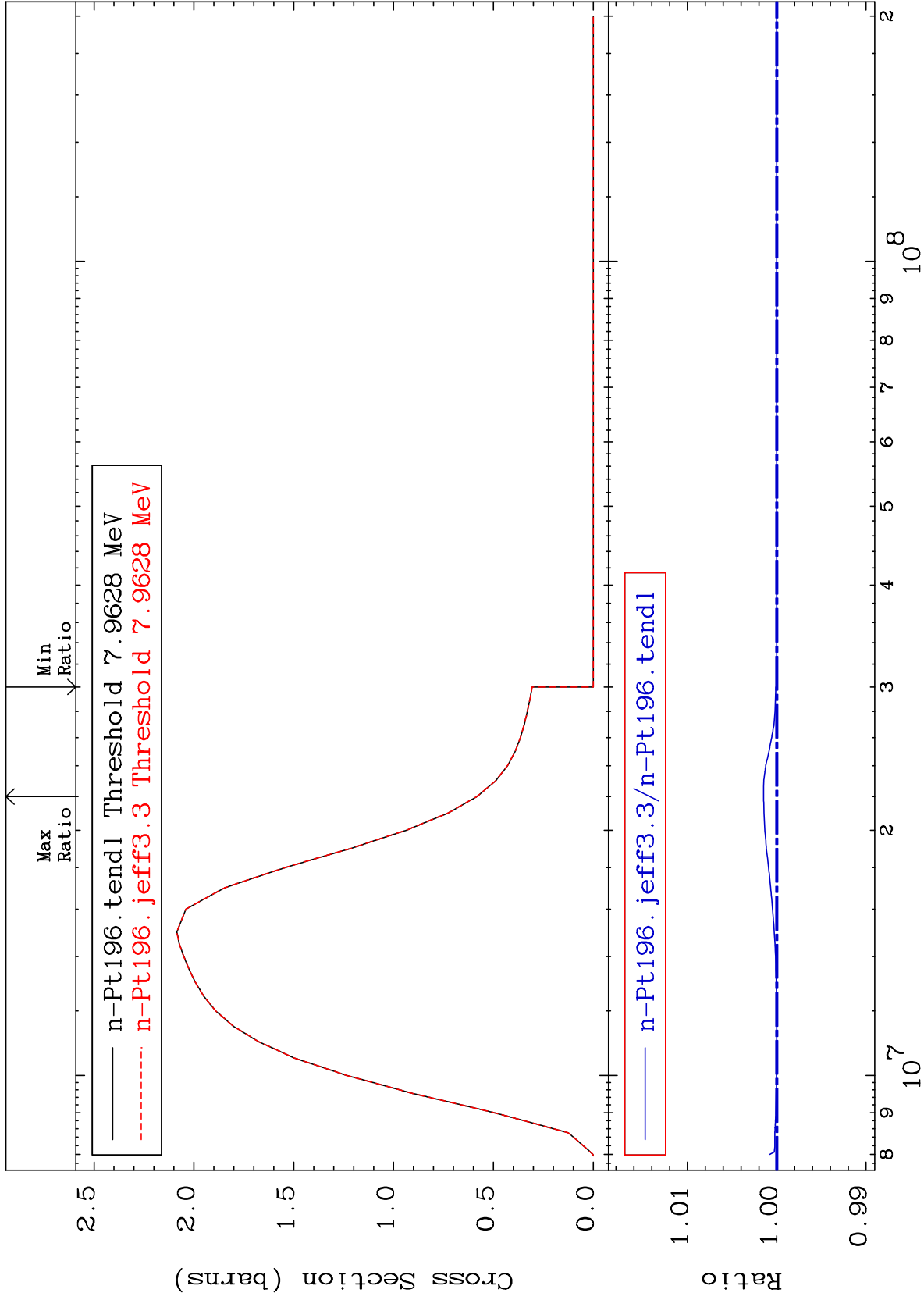
(n,2n)

78-Pt-196

Cross Section

0.000

To 0.148 %



4

Incident Energy (eV)

78-Pt-196

MAT 7843

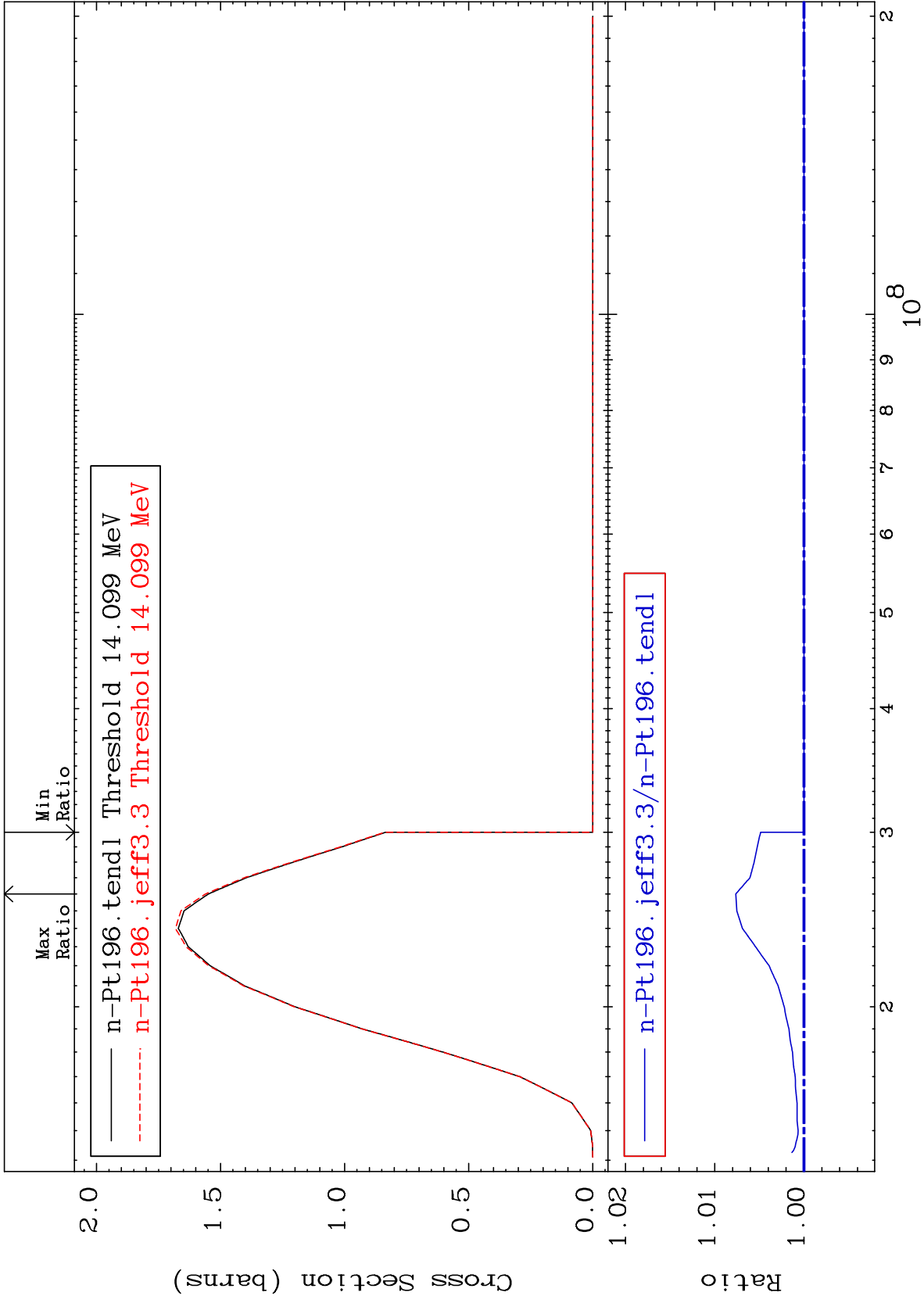
(n,3n)

78-Pt-196

Cross Section

0.000

To 0.764 %



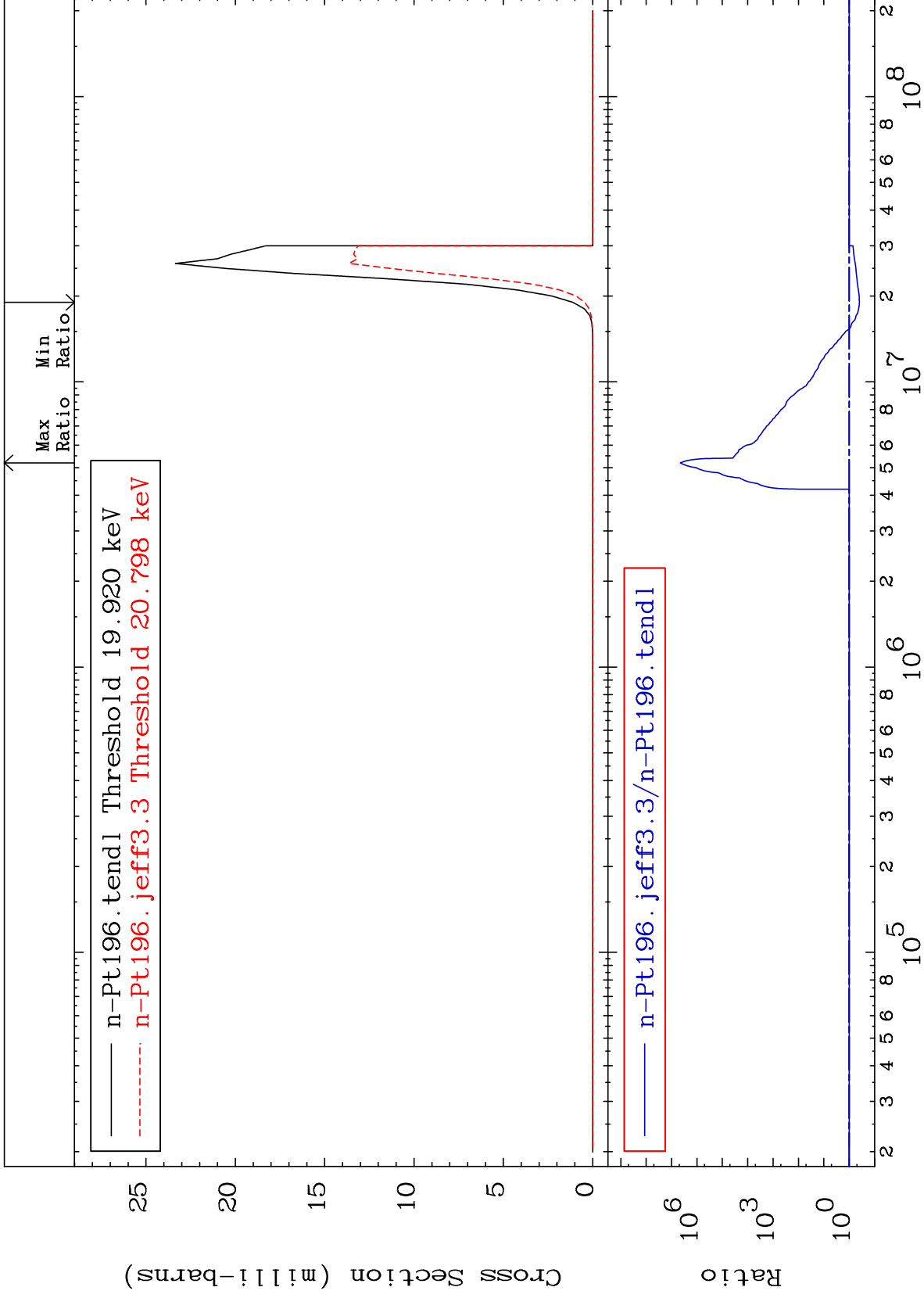
MAT 7843

$(n, n') \alpha$

78-Pt-196

Cross Section

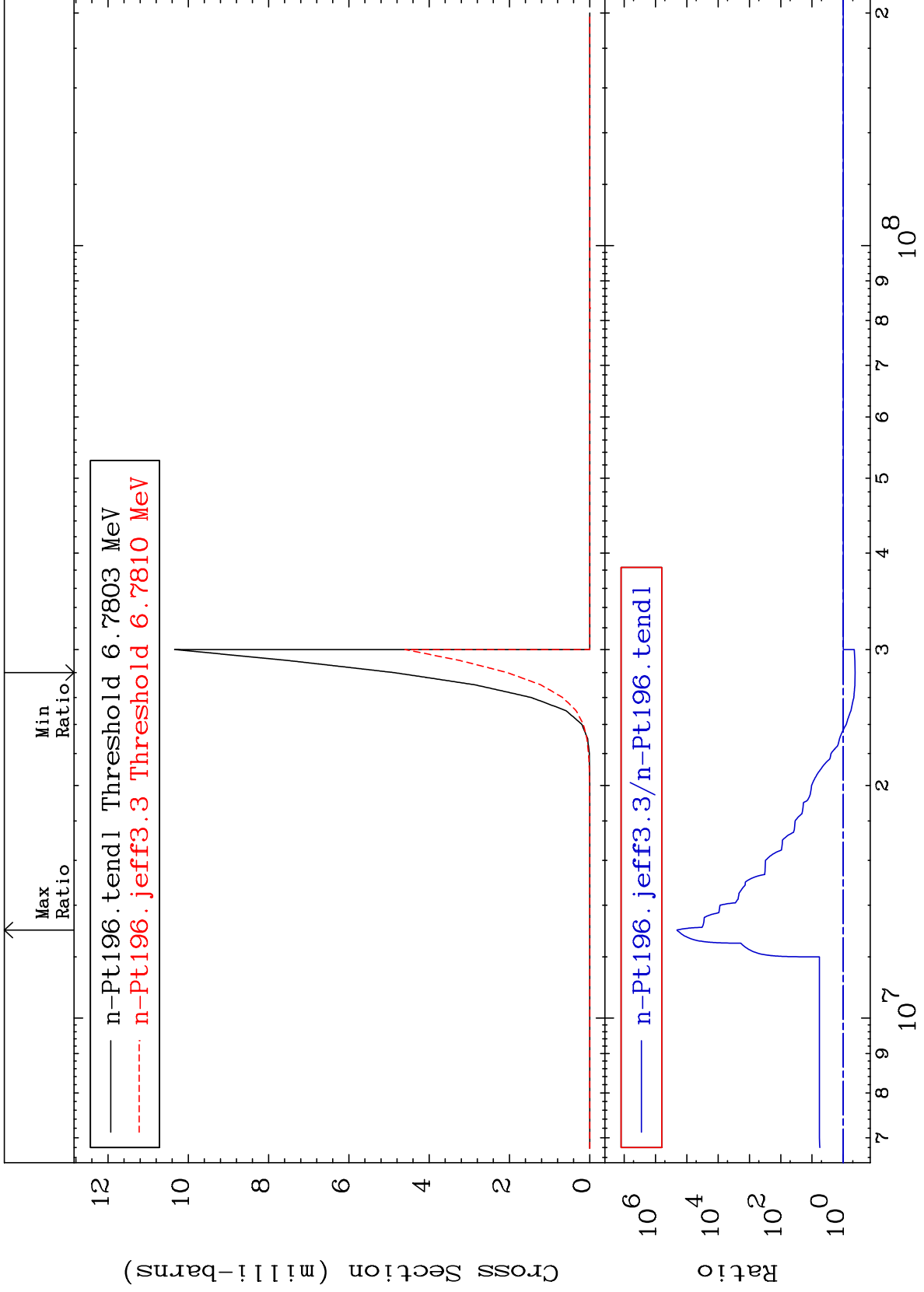
-60.30 To 9999. %



MAT 7843

(n,2n) α
Cross Section

78-Pt-196
-57.87 To 9999. %



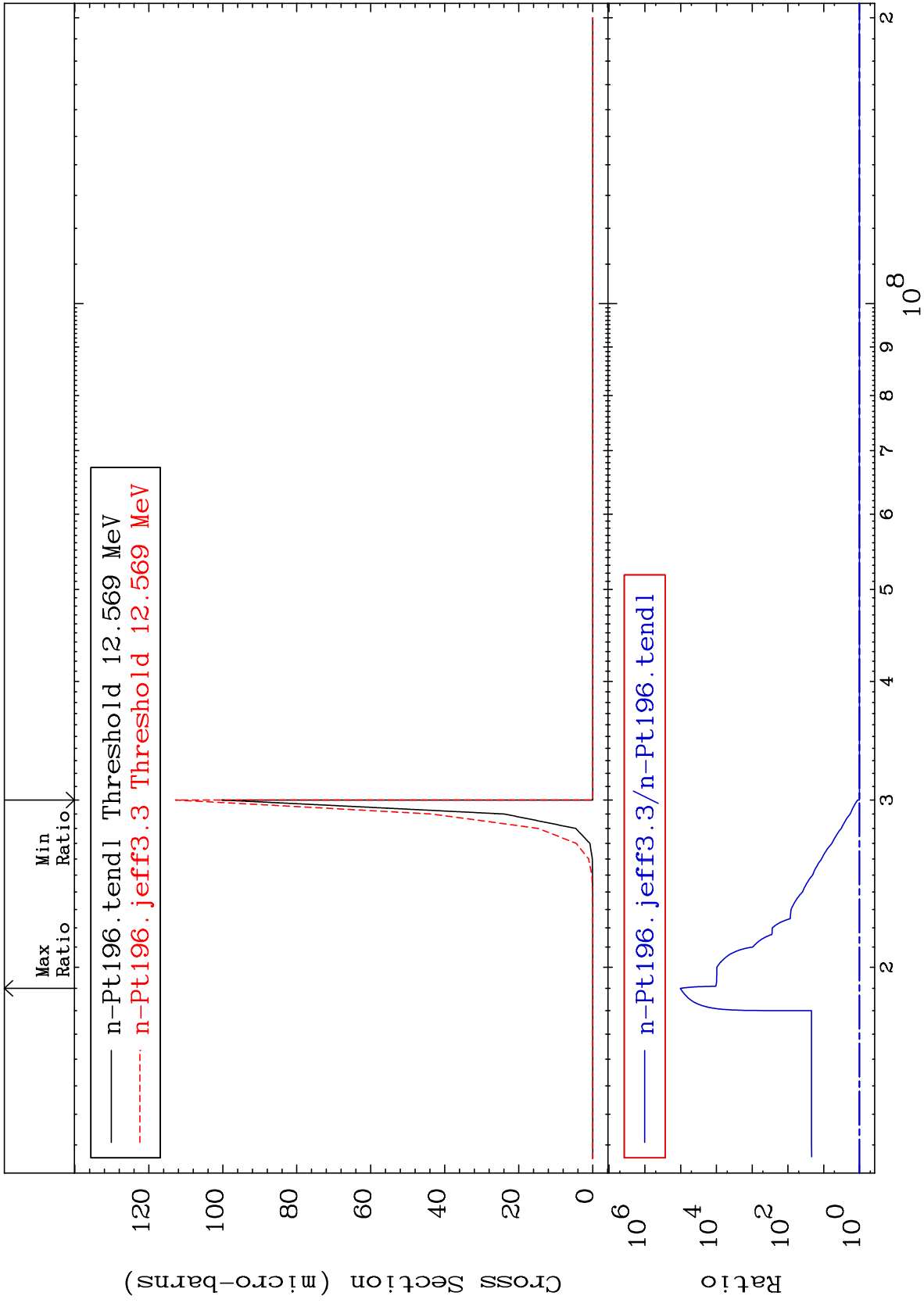
MAT 7843

(n,3n) α

78-Pt-196

Cross Section

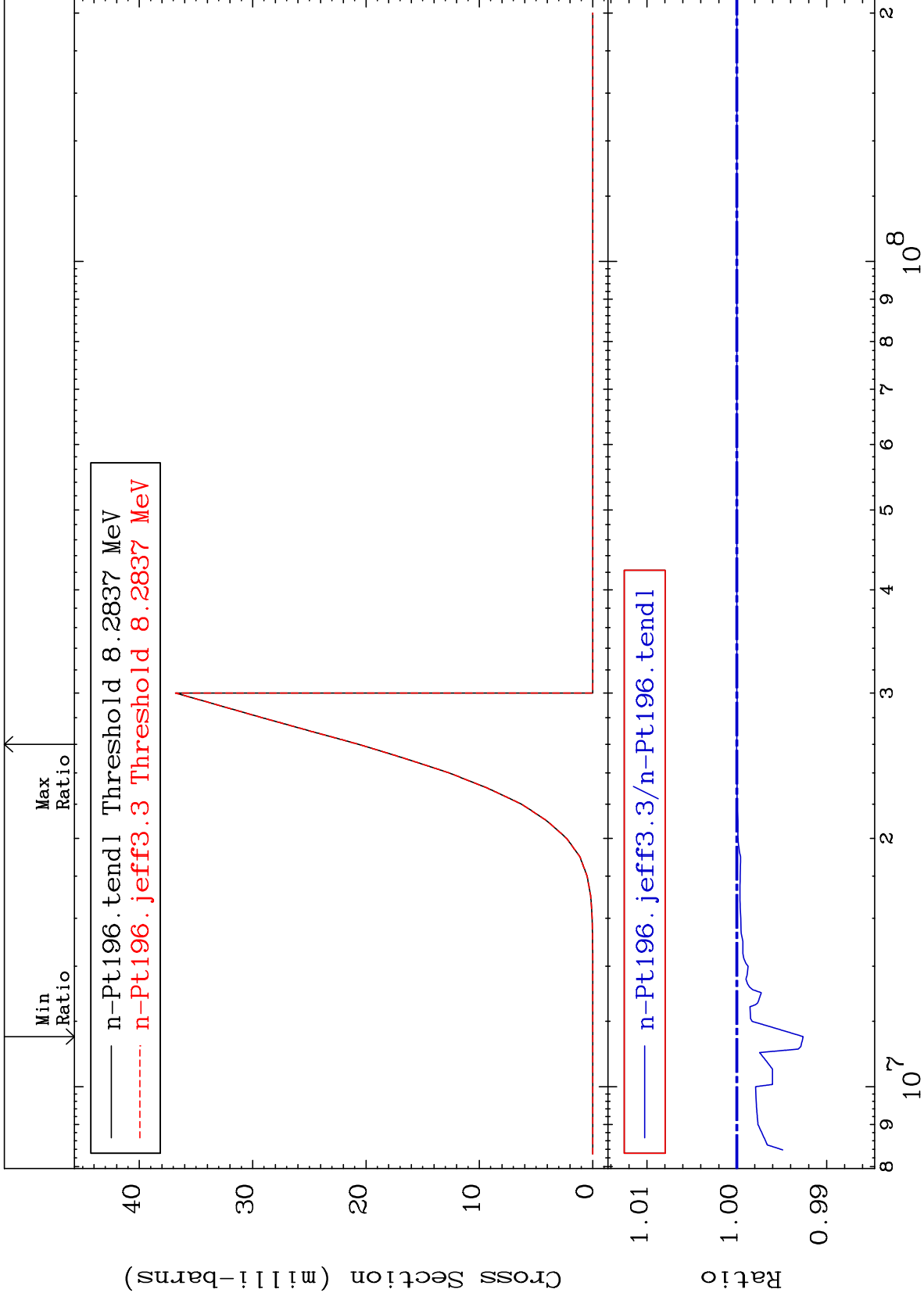
0.000 To 9999. %



MAT 7843

(n,n') p
Cross Section

78-Pt-196
-0.739 To 0.002 %



9

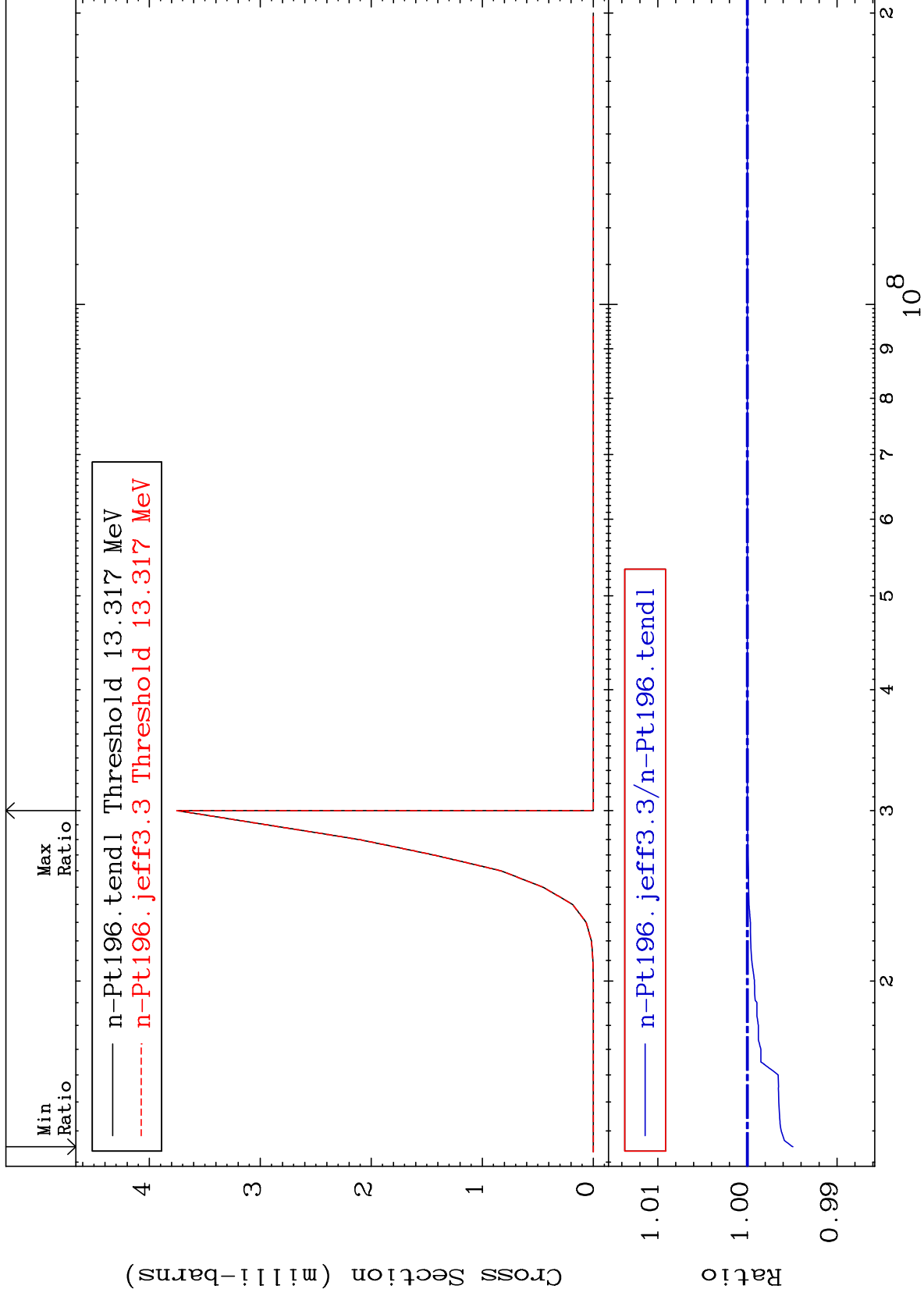
Incident Energy (eV)

78-Pt-196

MAT 7843

(n,n') d
Cross Section

78-Pt-196
-0.509 To 0.000 %



10

Incident Energy (eV)

78-Pt-196

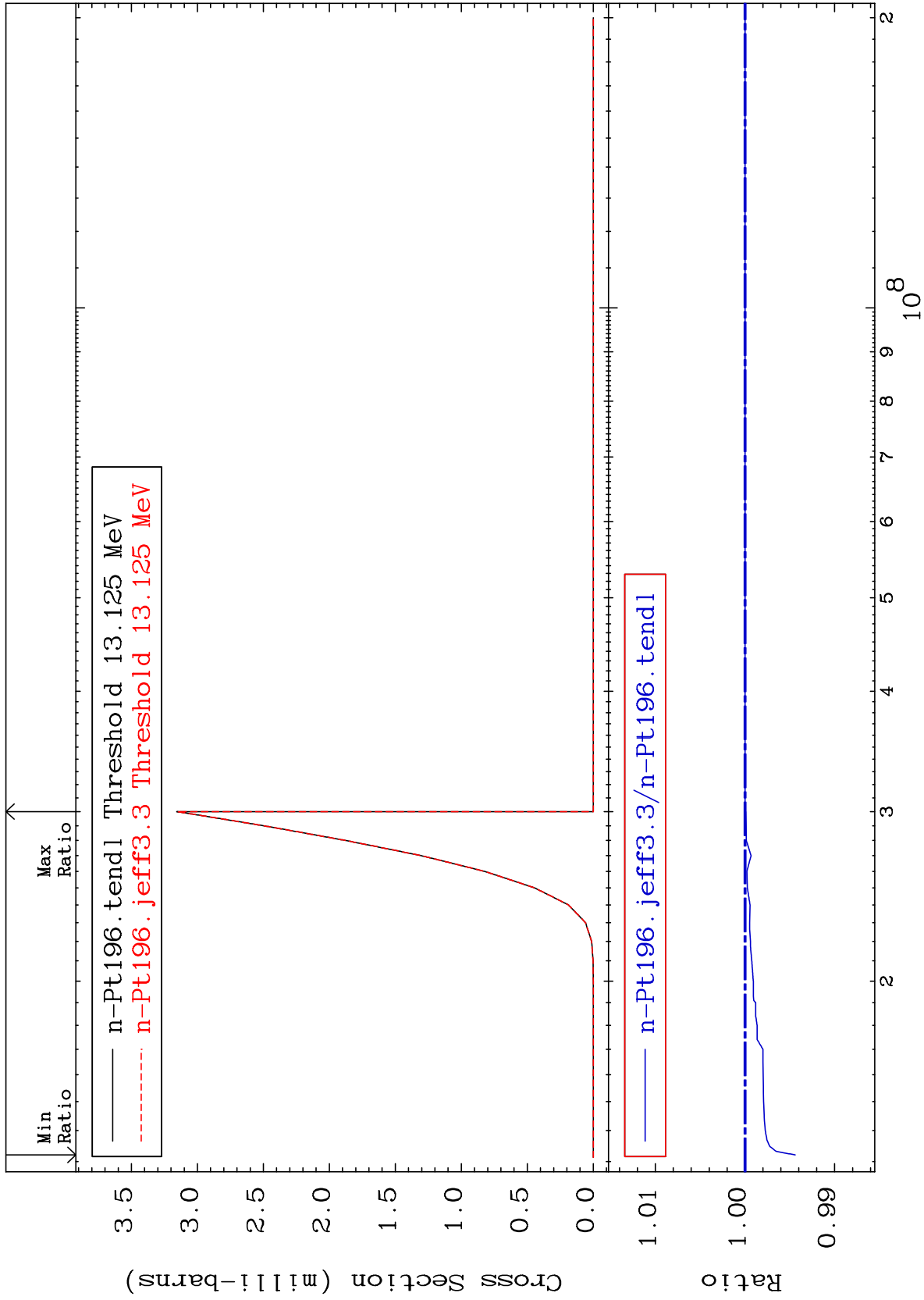
MAT 7843

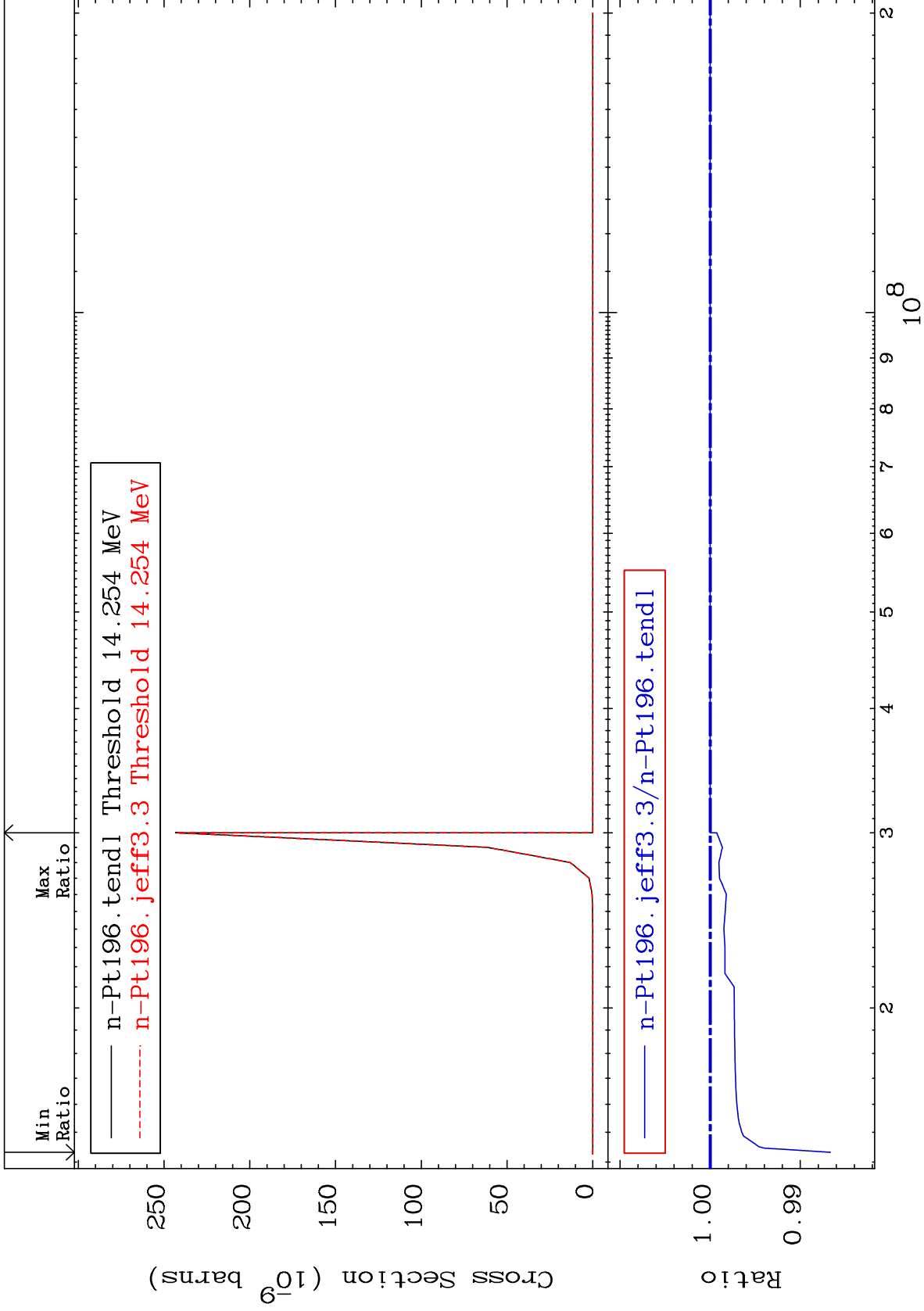
(n, n') t

78-Pt-196

Cross Section

-0.561 To 0.000 %





MAT 7843

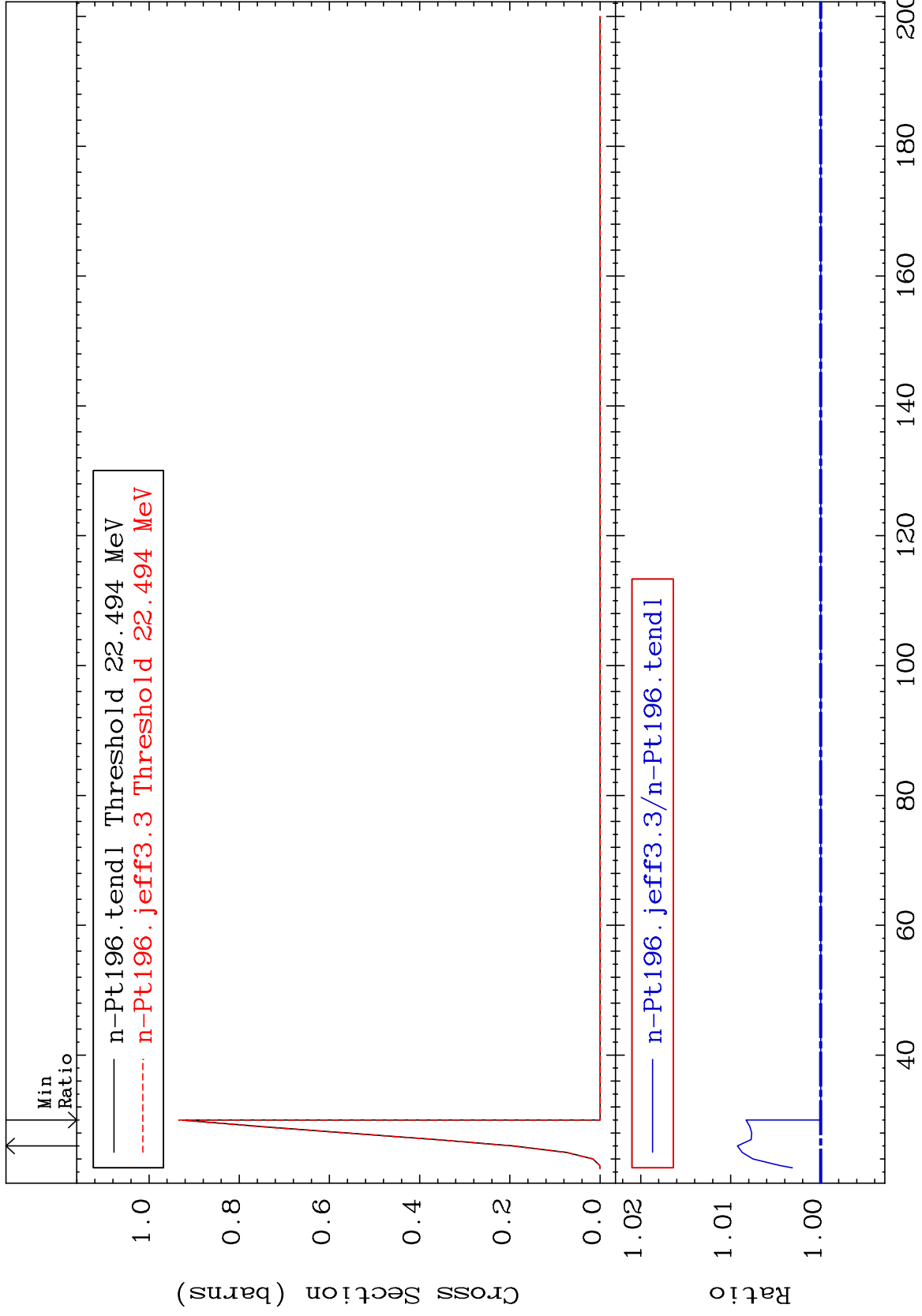
(n,4n)

78-Pt-196

Cross Section

0.000

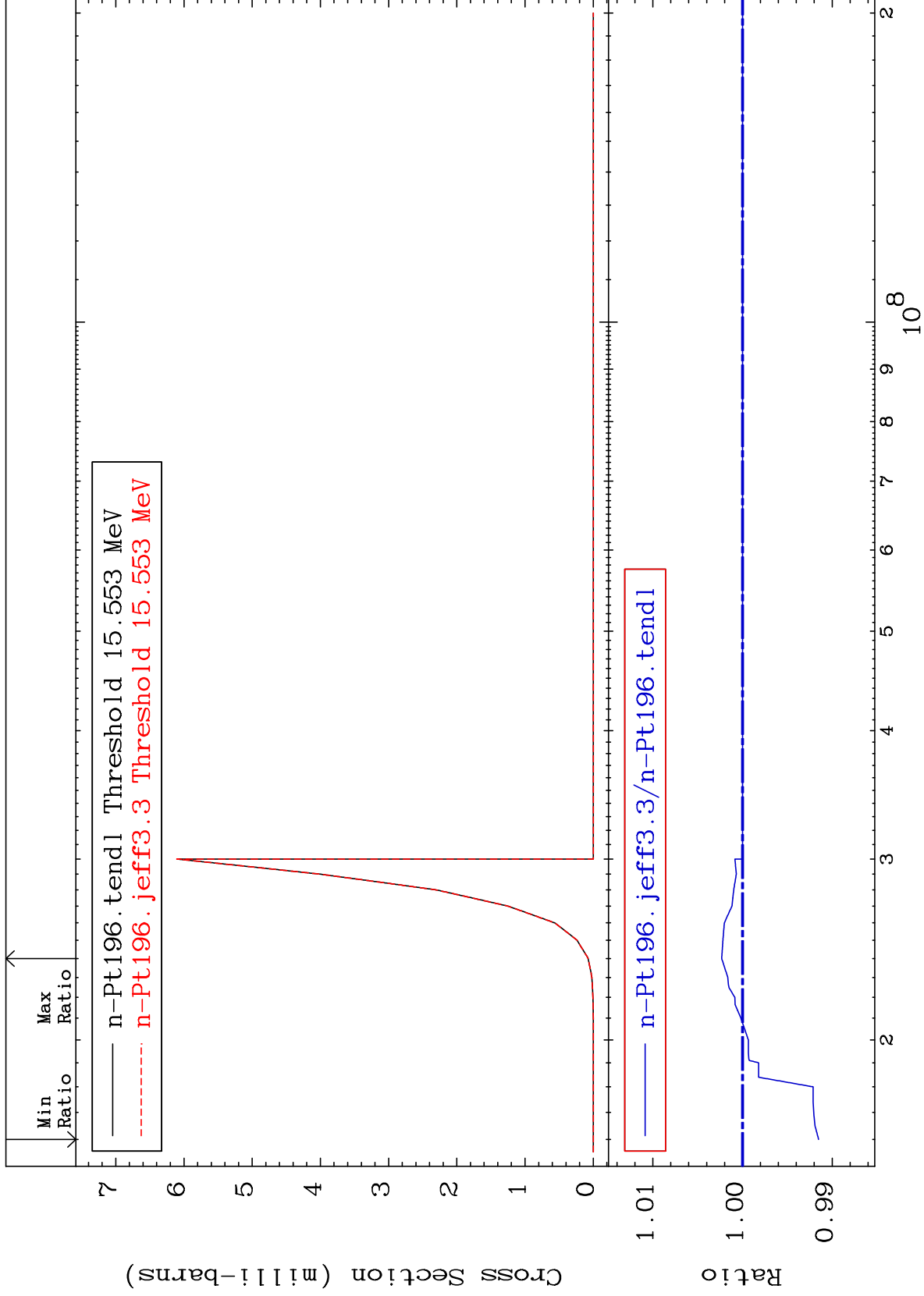
To 0.927 %



MAT 7843

(n,2n) p
Cross Section

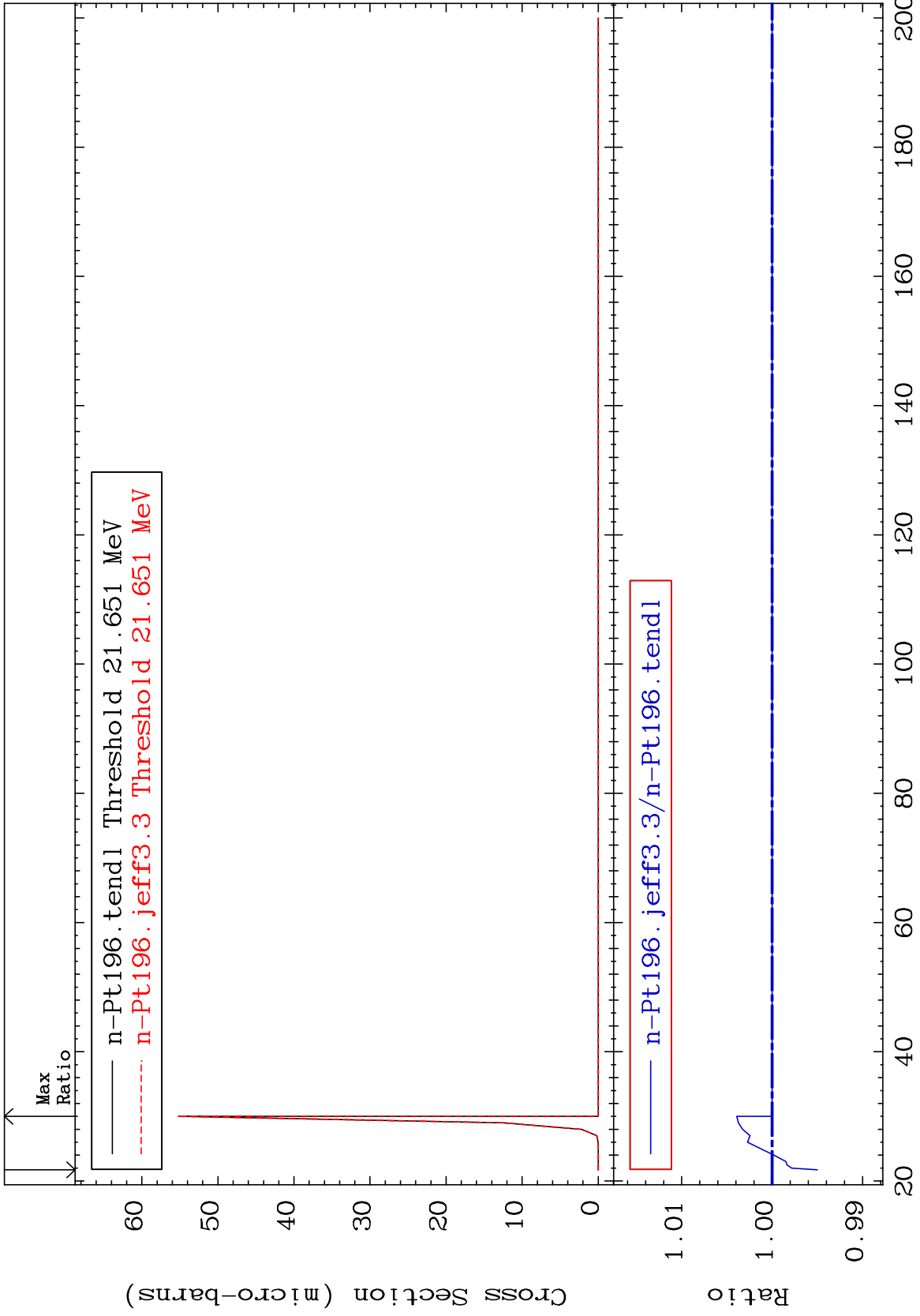
78-Pt-196
-0.849 To 0.232 %

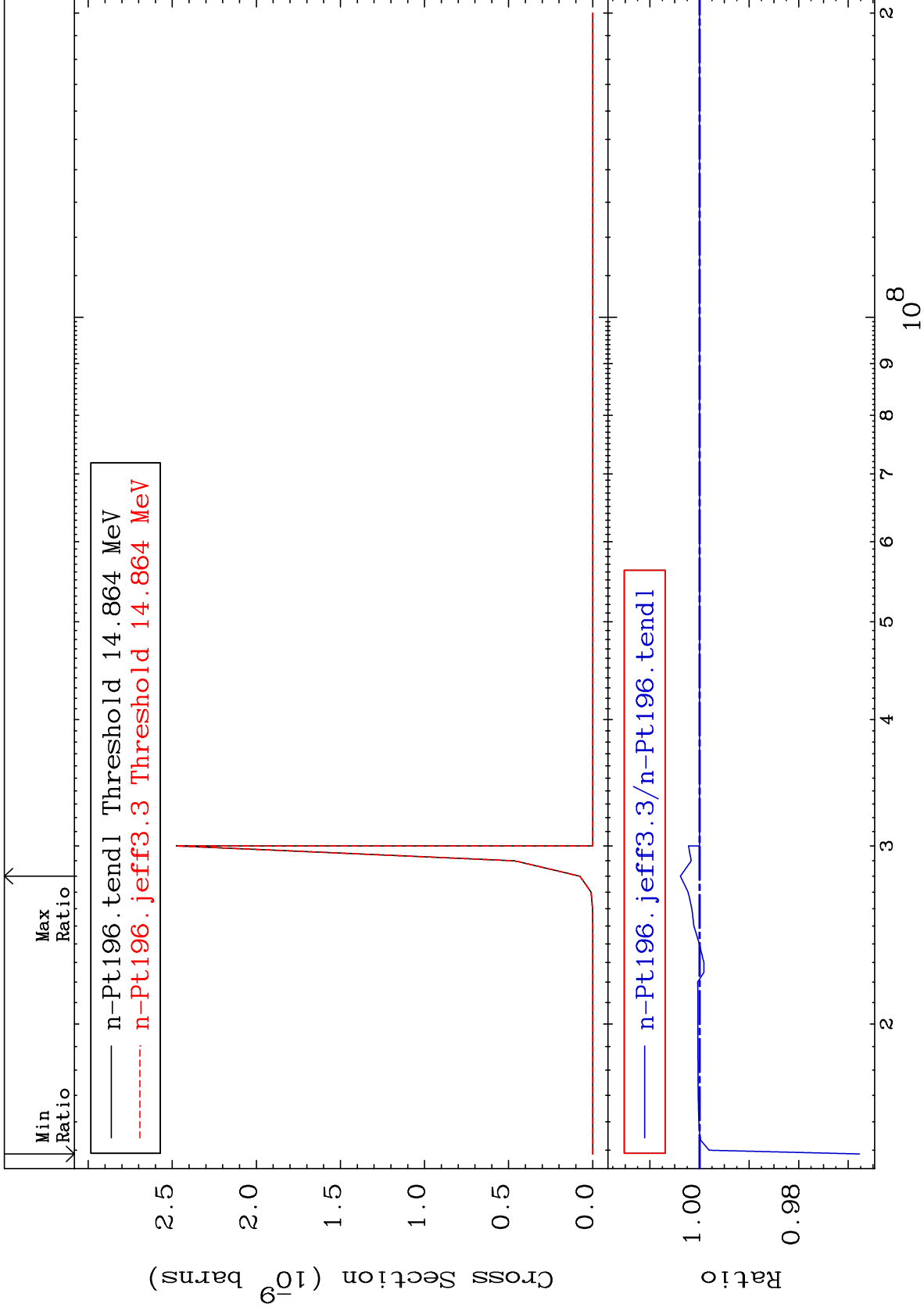


MAT 7843

(n,3n) p
Cross Section

78-Pt-196
-0.500 To 0.391 %

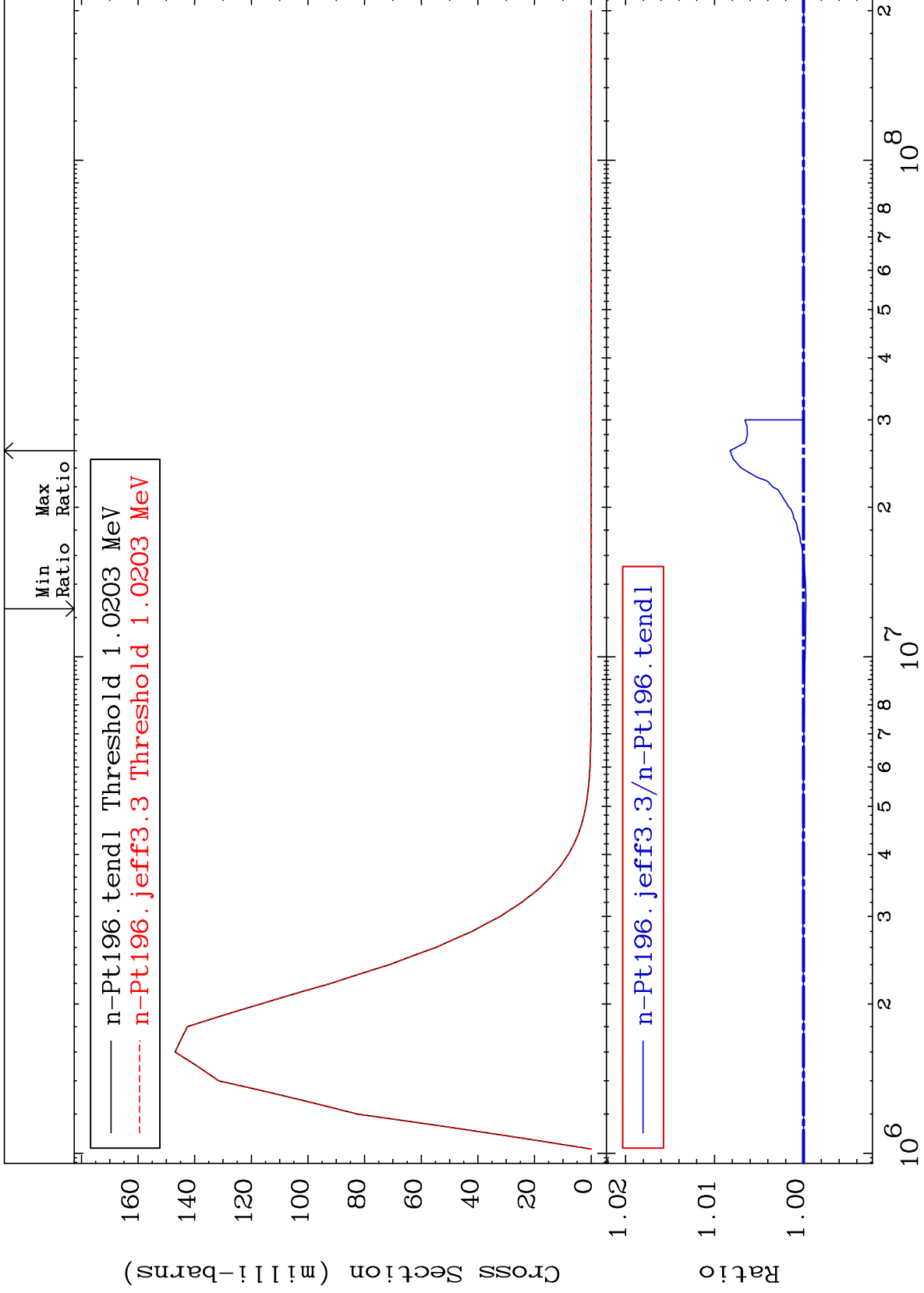




MAT 7843

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

78-Pt-196
-0.027 To 0.826 %



17

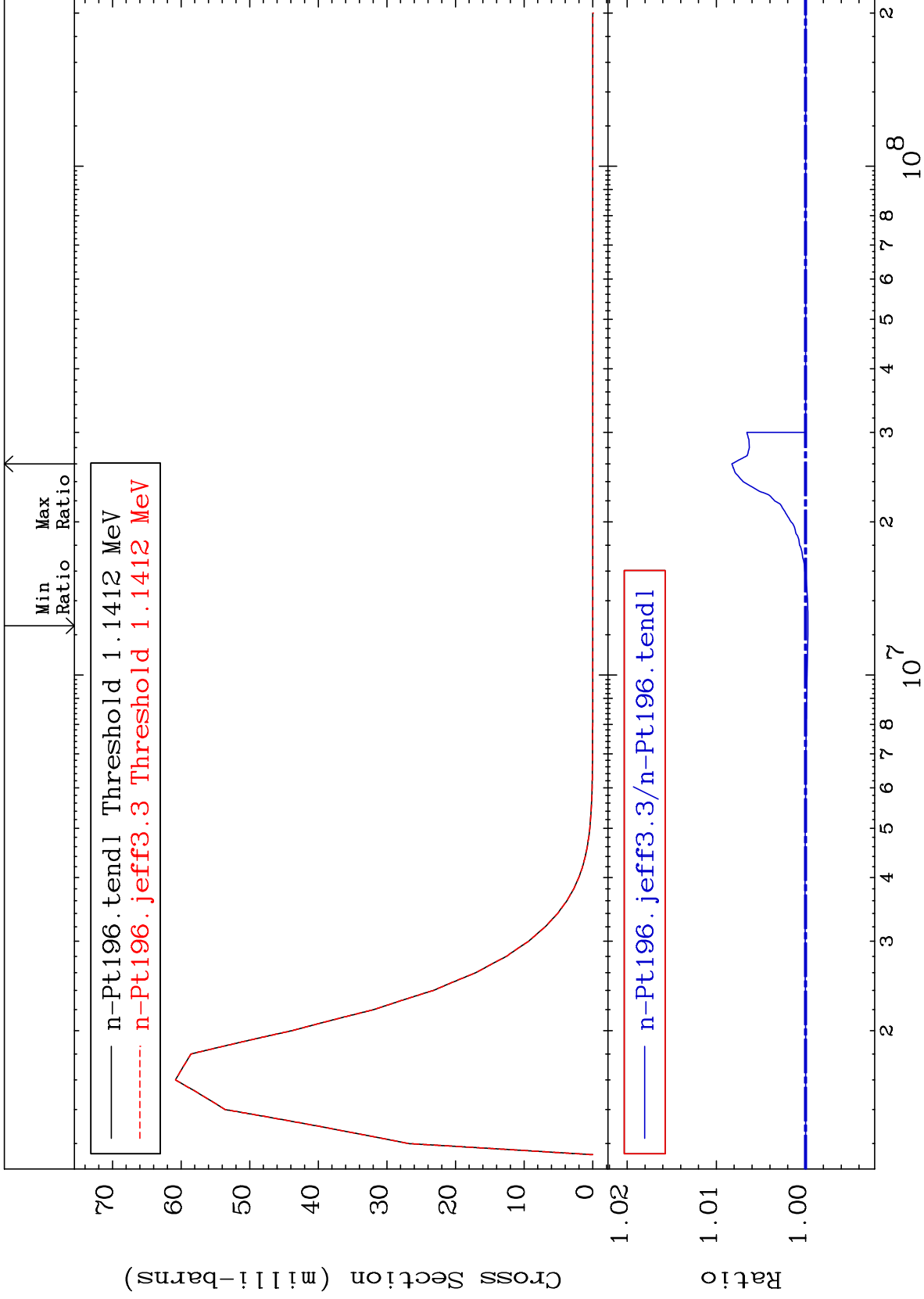
Incident Energy (eV)

78-Pt-196

MAT 7843

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

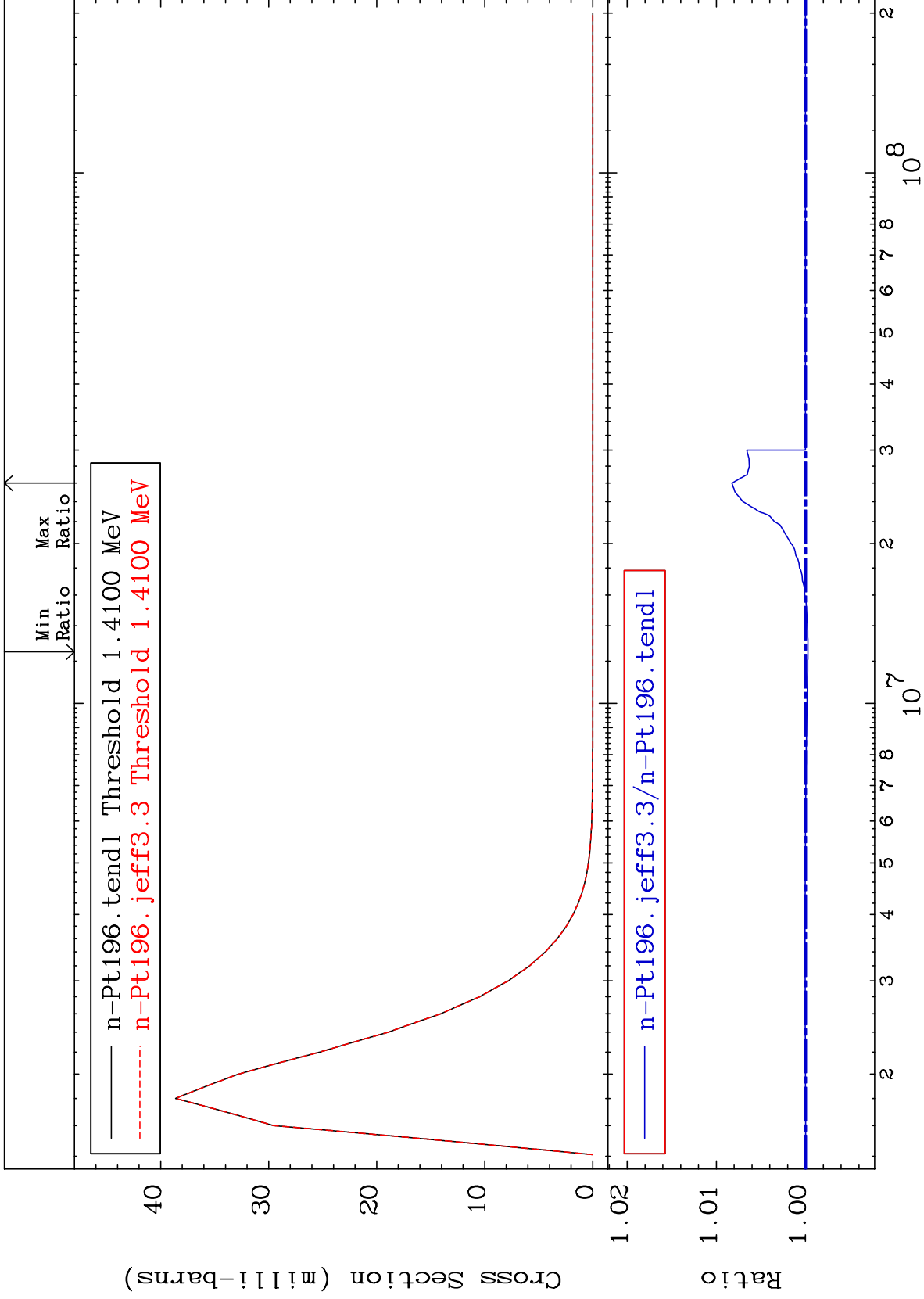
78-Pt-196
-0.027 To 0.827 %



MAT 7843

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

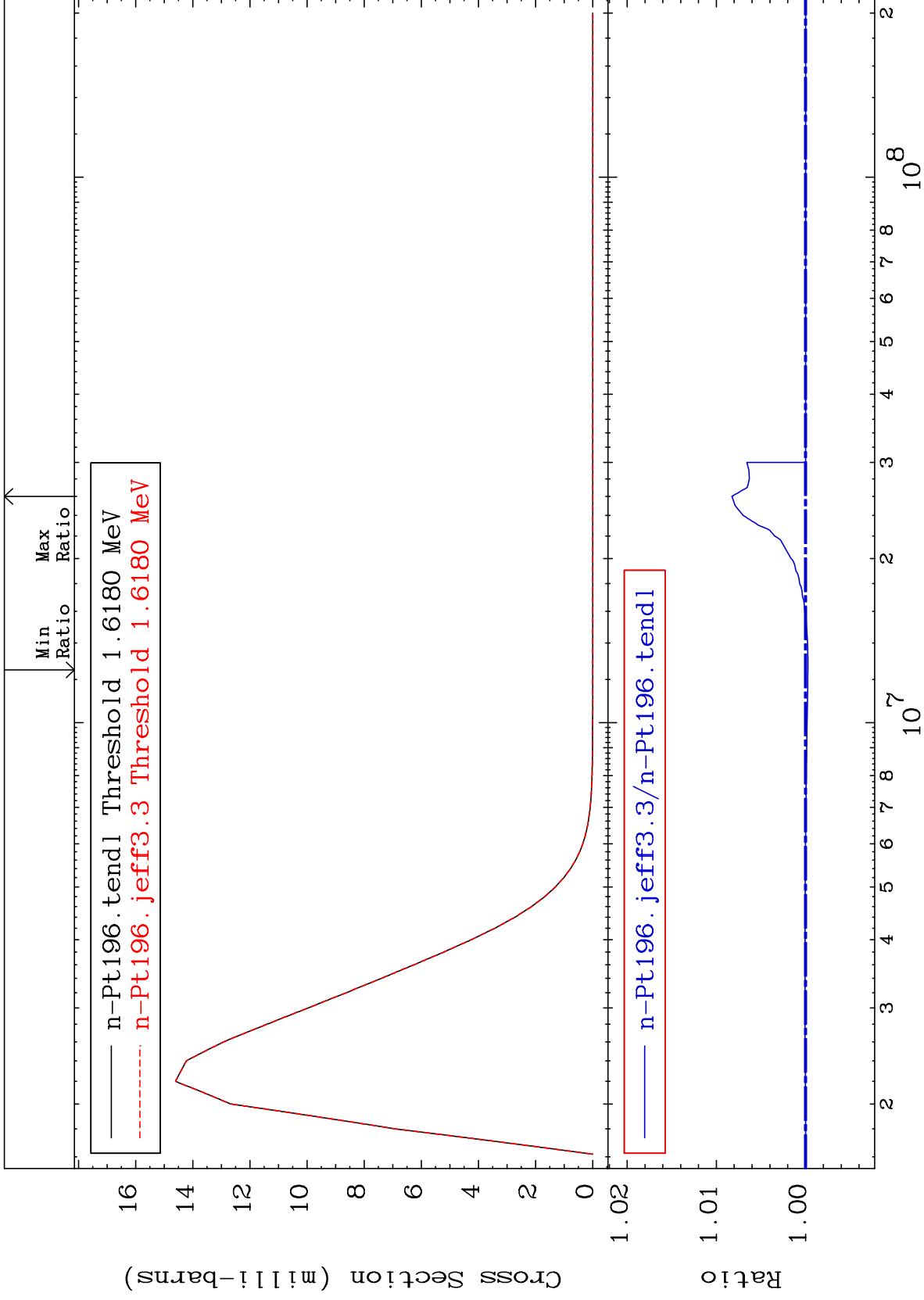
78-Pt-196
-0.027 To 0.826 %



MAT 7843

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

78-Pt-196
-0.026 To 0.826 %



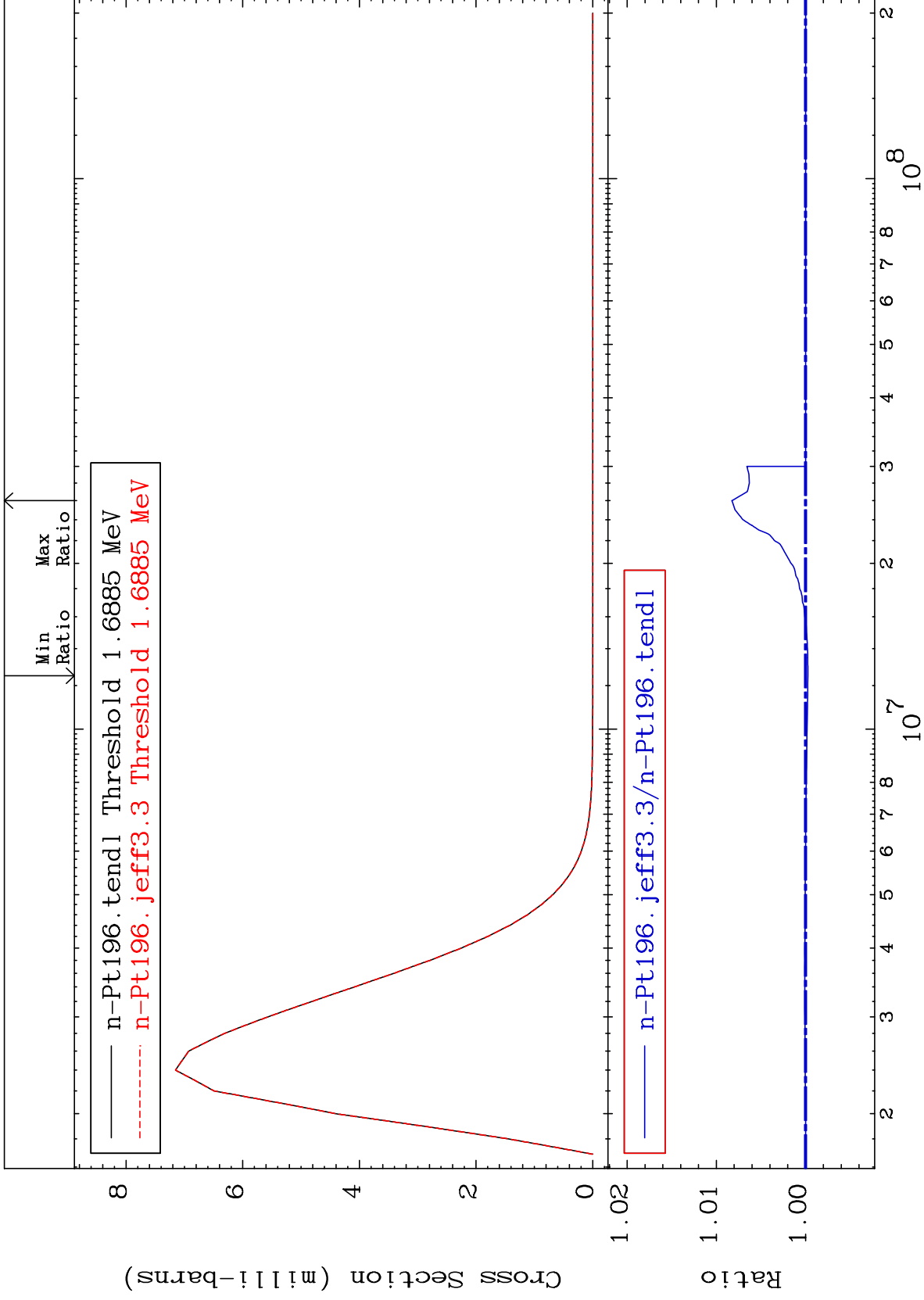
MAT 7843

MT= 68 (n,n') Level

78-Pt-196

-0.026 To 0.826 %

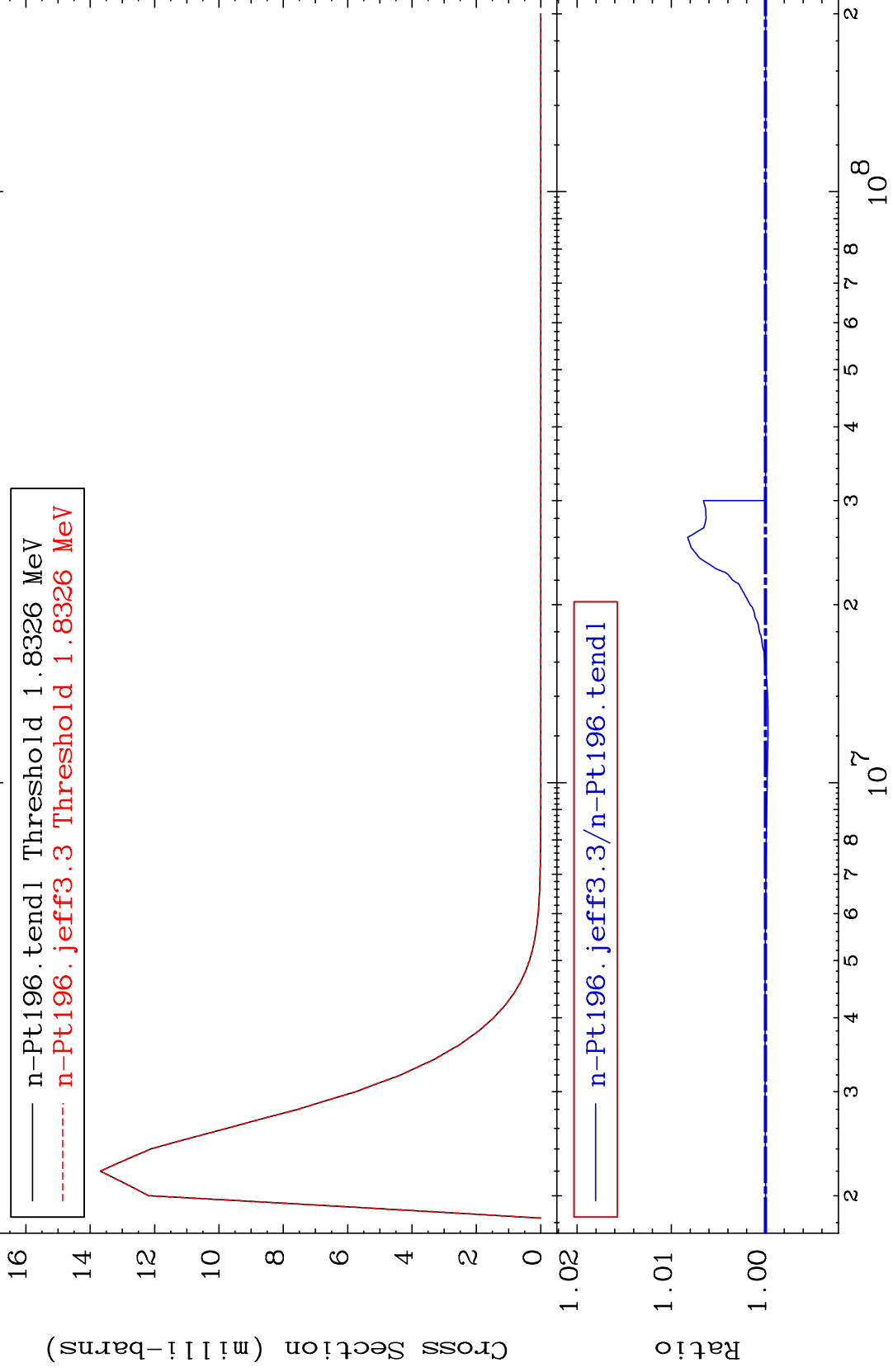
Cross Section



MAT 7843

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

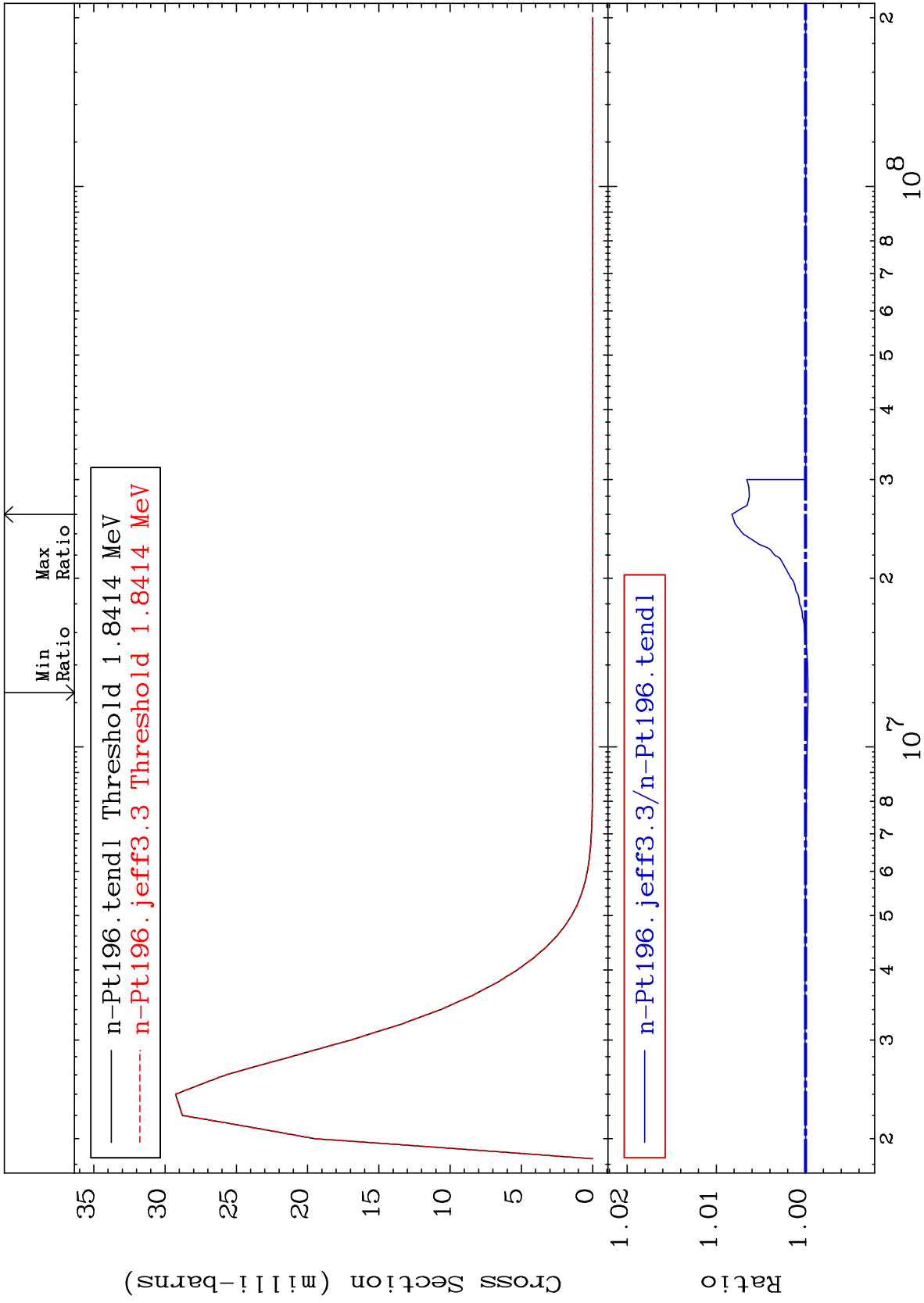
78-Pt-196
-0.026 To 0.826 %



MAT 7843

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

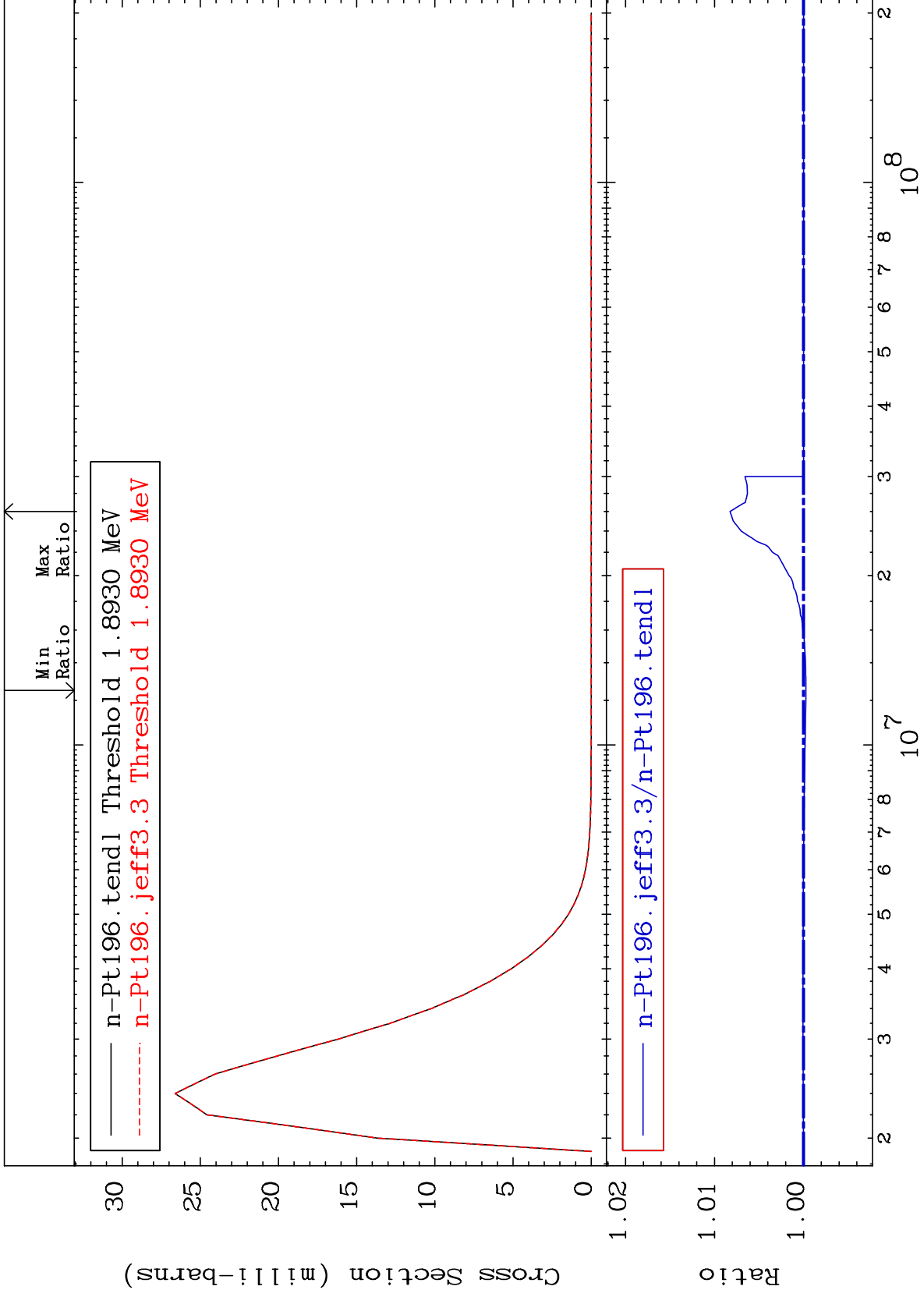
78-Pt-196
-0.027 To 0.826 %



MAT 7843

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

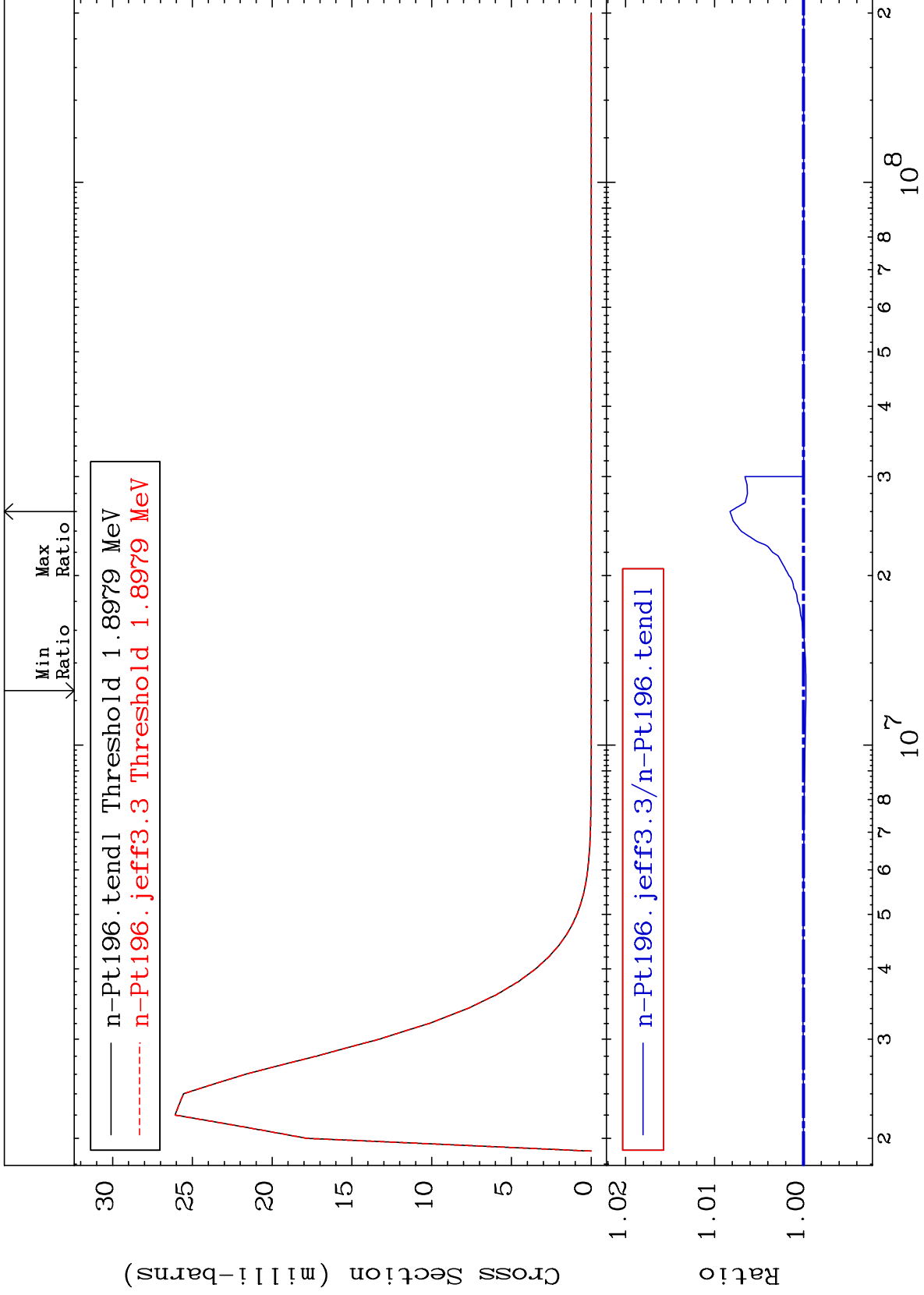
78-Pt-196
-0.027 To 0.826 %



MAT 7843

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

78-Pt-196
-0.027 To 0.826 %



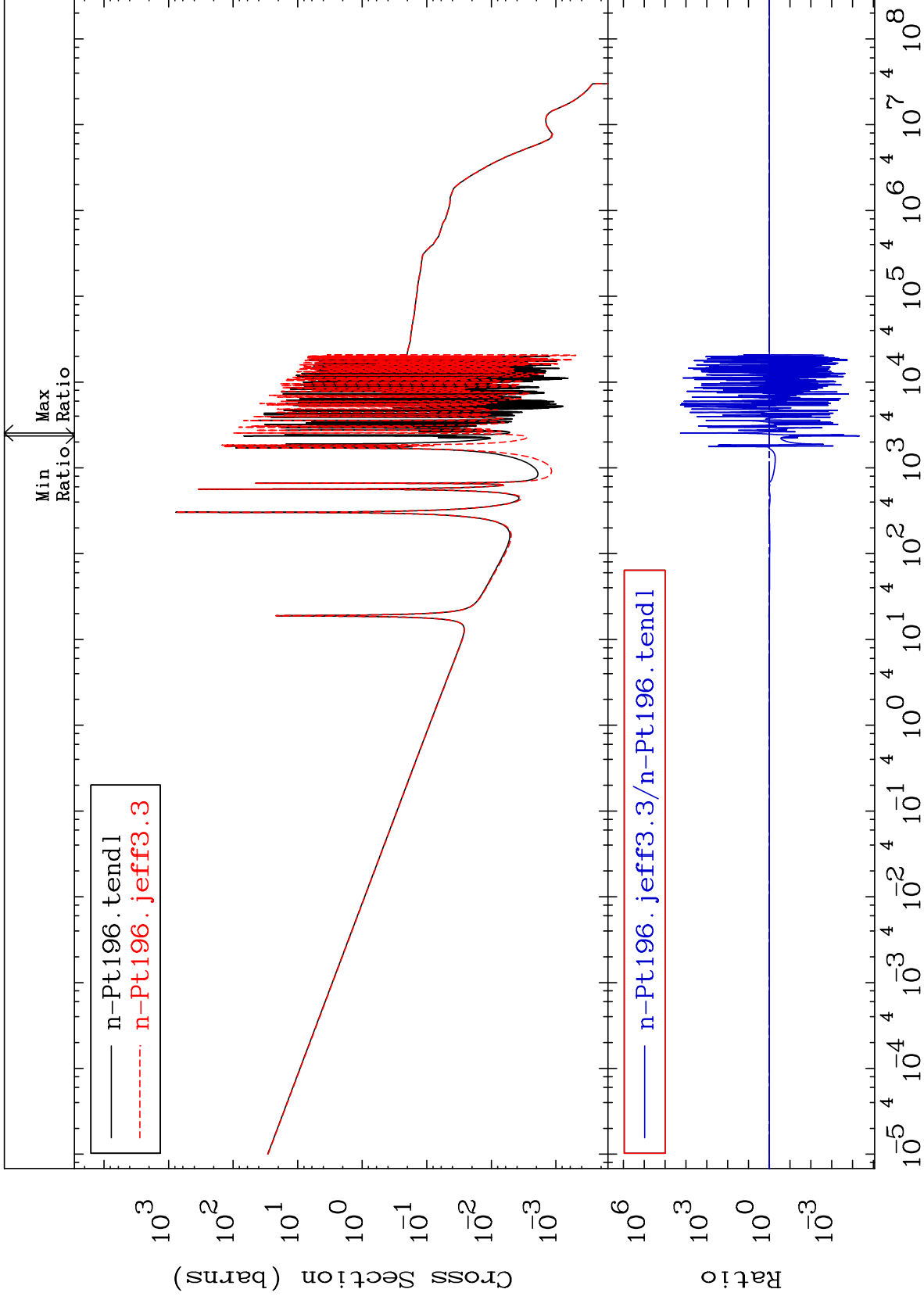
MAT 7843

(n, γ)

78-Pt-196

Cross Section

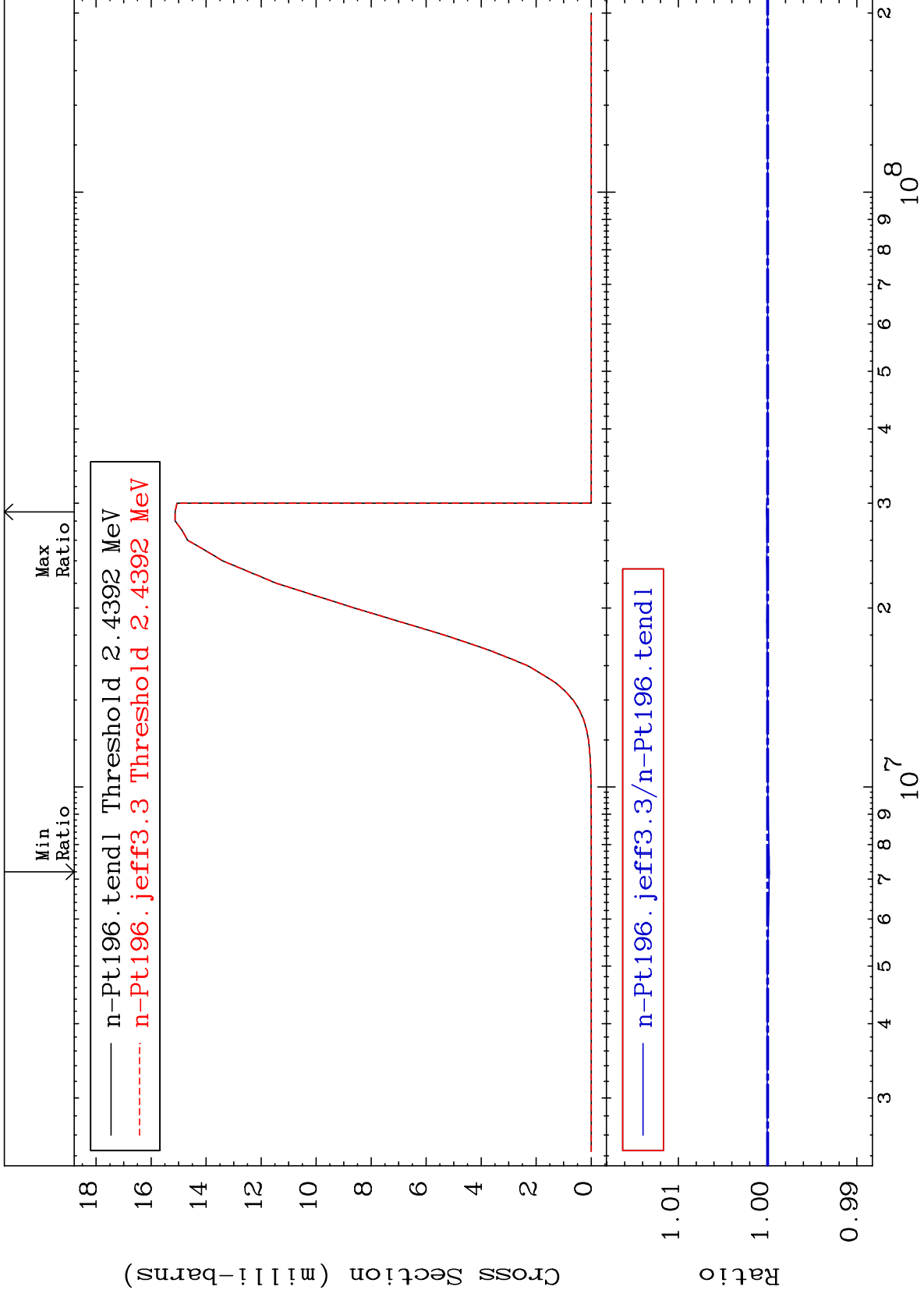
-100.0 To 9999. %



MAT 7843

78-Pt-196

(n,p)
Cross Section
-0.021 To 0.013 %



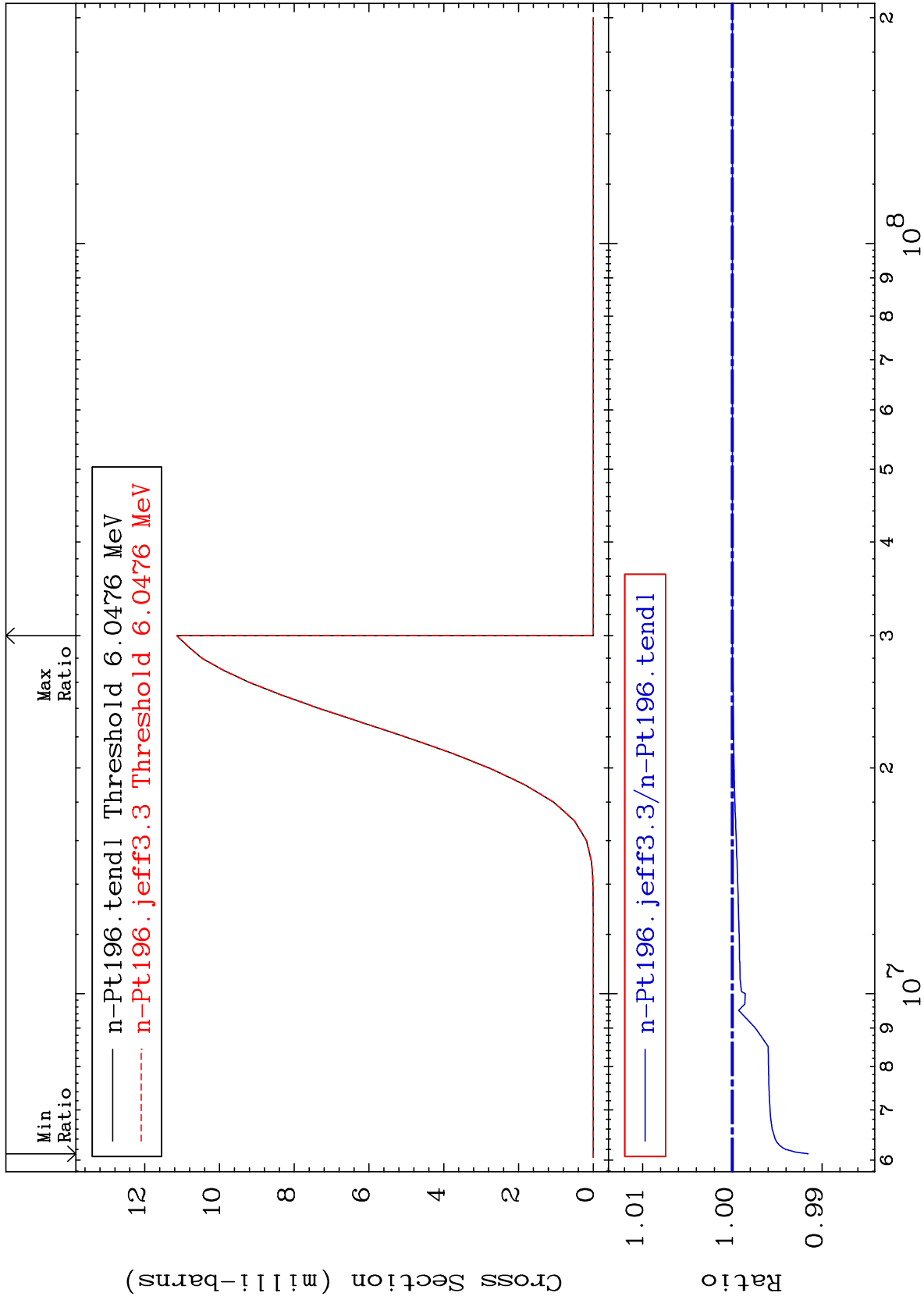
MAT 7843

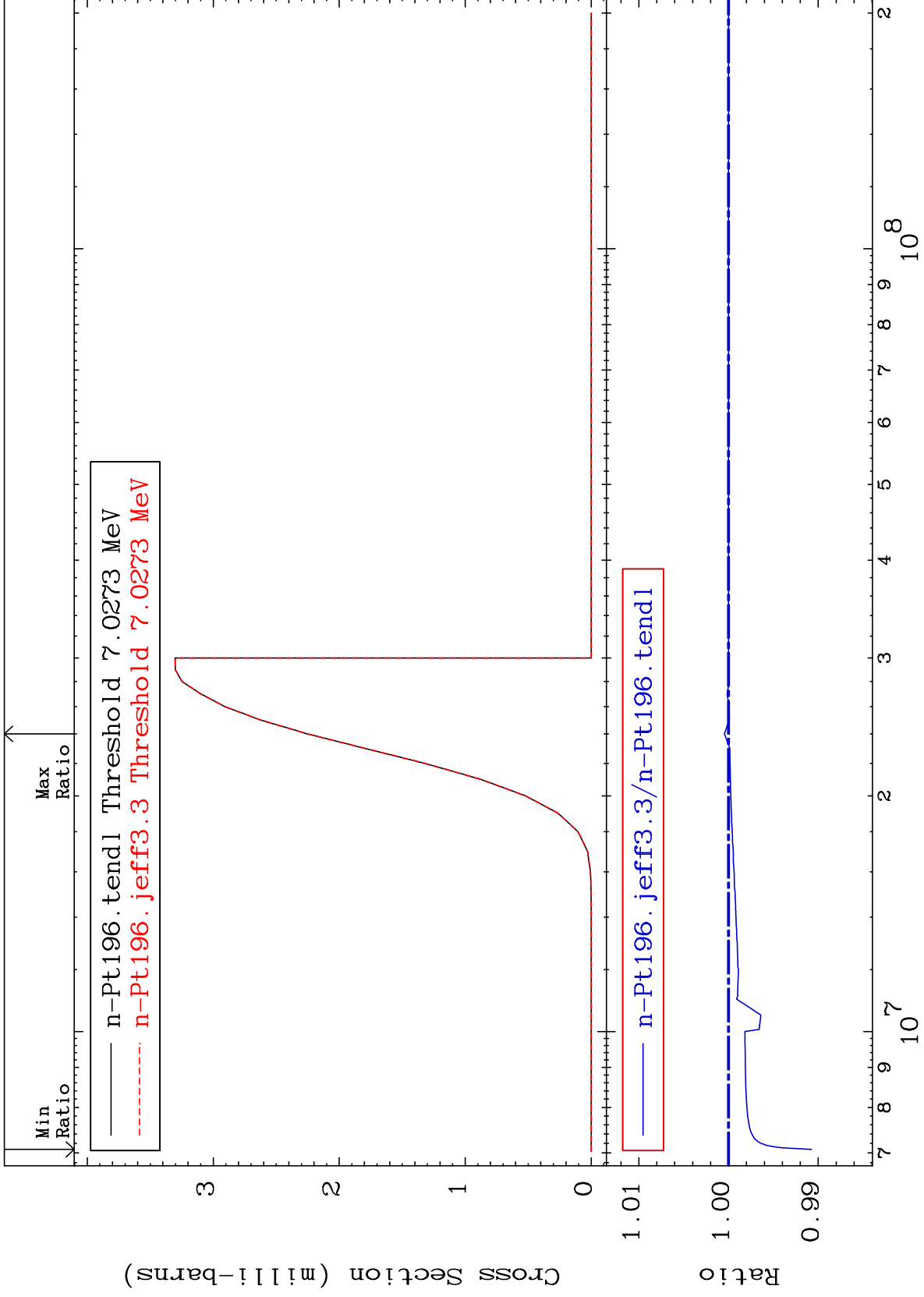
(n, d)

78-Pt-196

Cross Section

-0.844 To 0.000 %





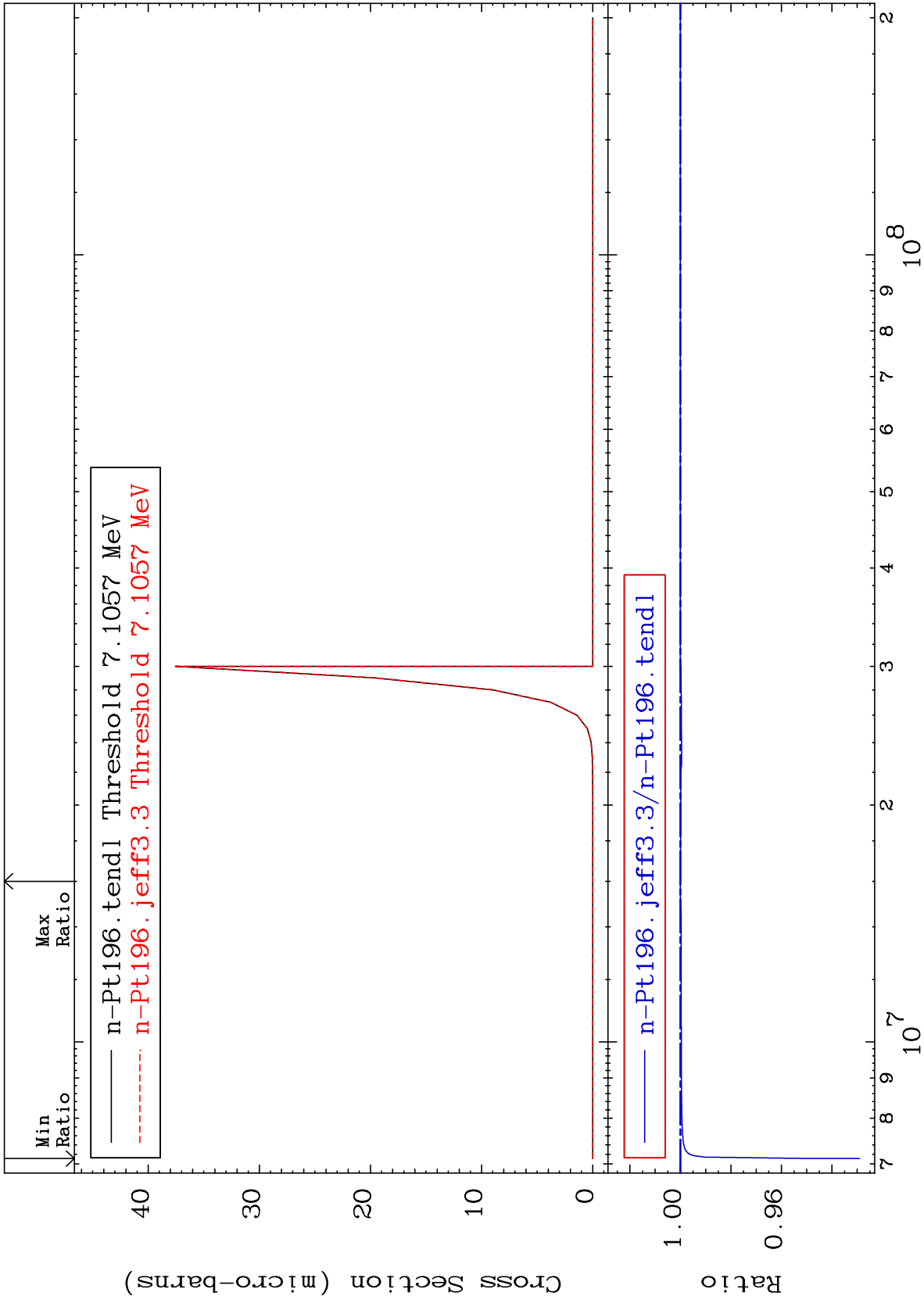
MAT 7843

(n, He-3)

78-Pt-196

Cross Section

-7.088 To 0.002 %



30

Incident Energy (eV)

78-Pt-196

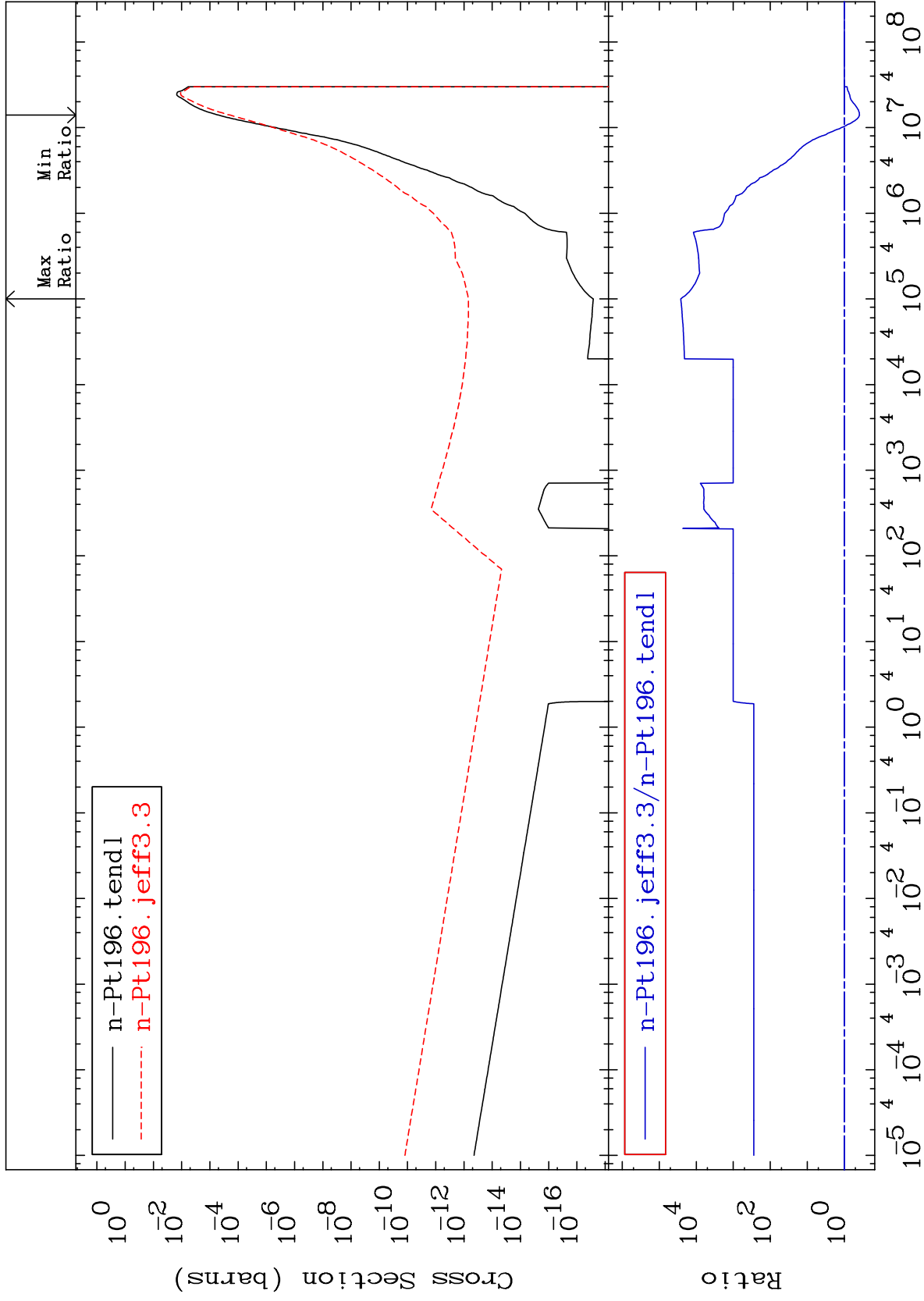
MAT 7843

(n, α)

78-Pt-196

Cross Section

-61.29 To 9999. %



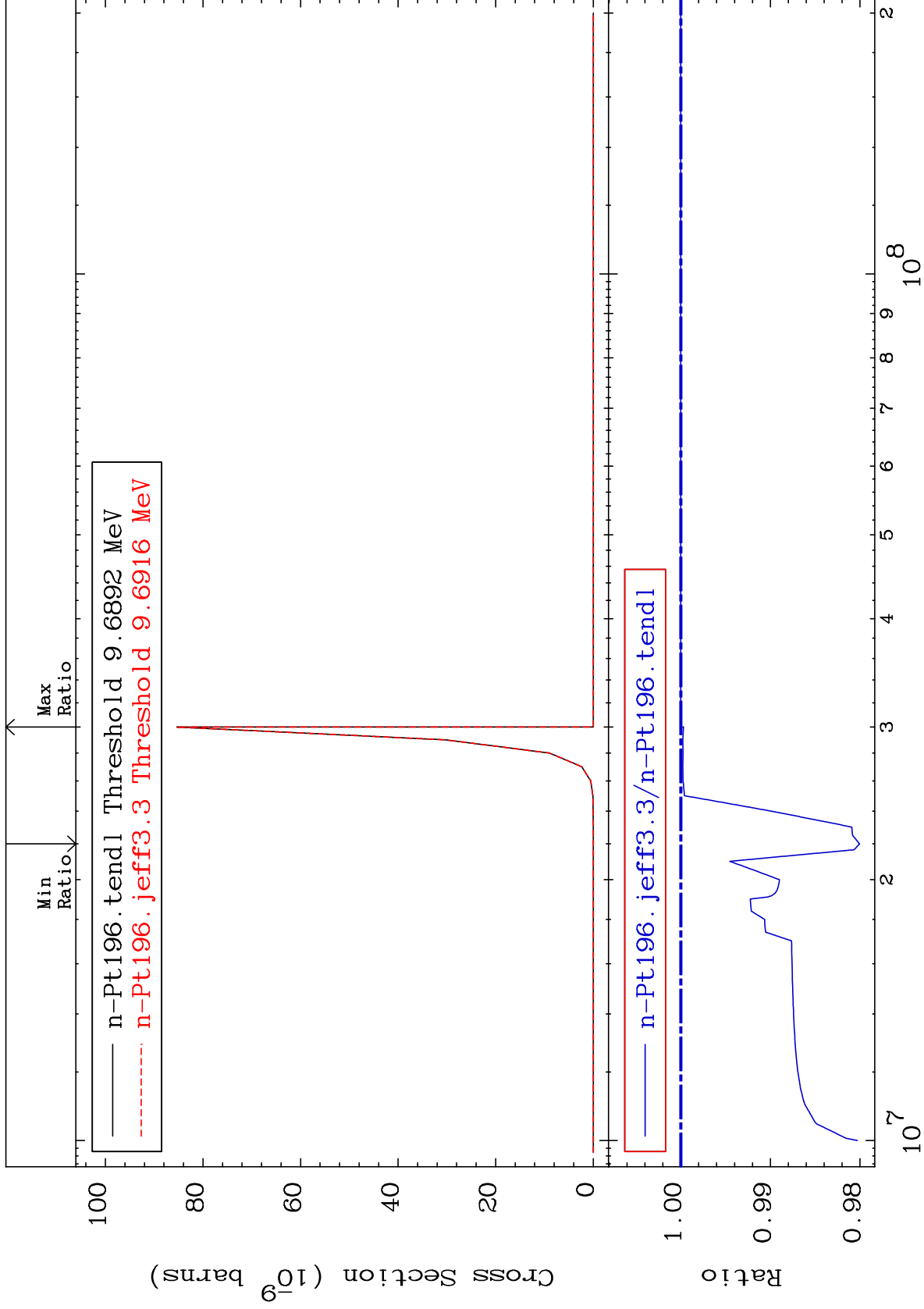
MAT 7843

(n,2p)

78-Pt-196

Cross Section

-1.995 To 0.000 %



32

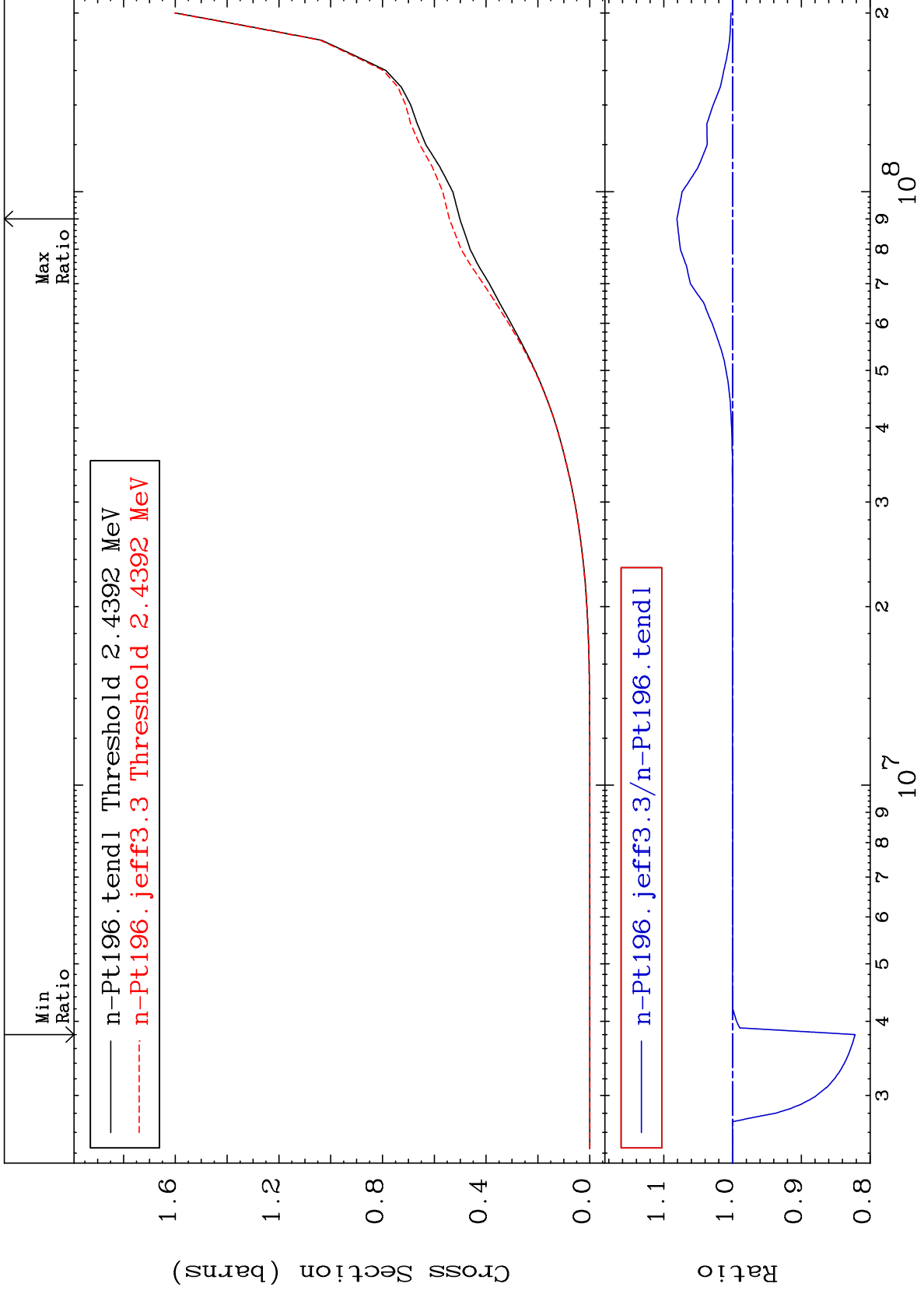
Incident Energy (eV)

78-Pt-196

MAT 7843

Hydrogen Production
Cross Section

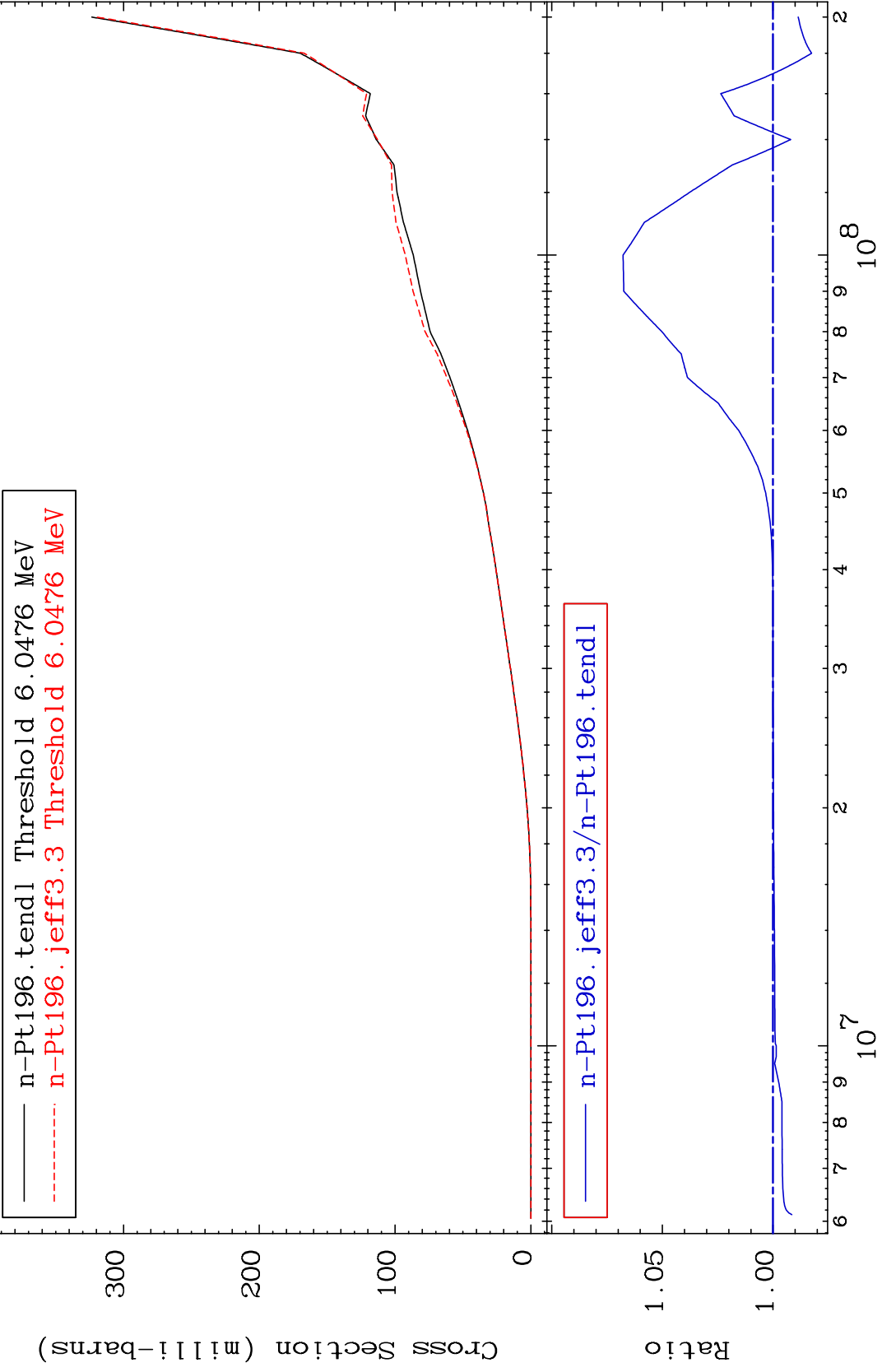
78-Pt-196
-17.83 To 8.098 %



MAT 7843

Deuterium Production
Cross Section

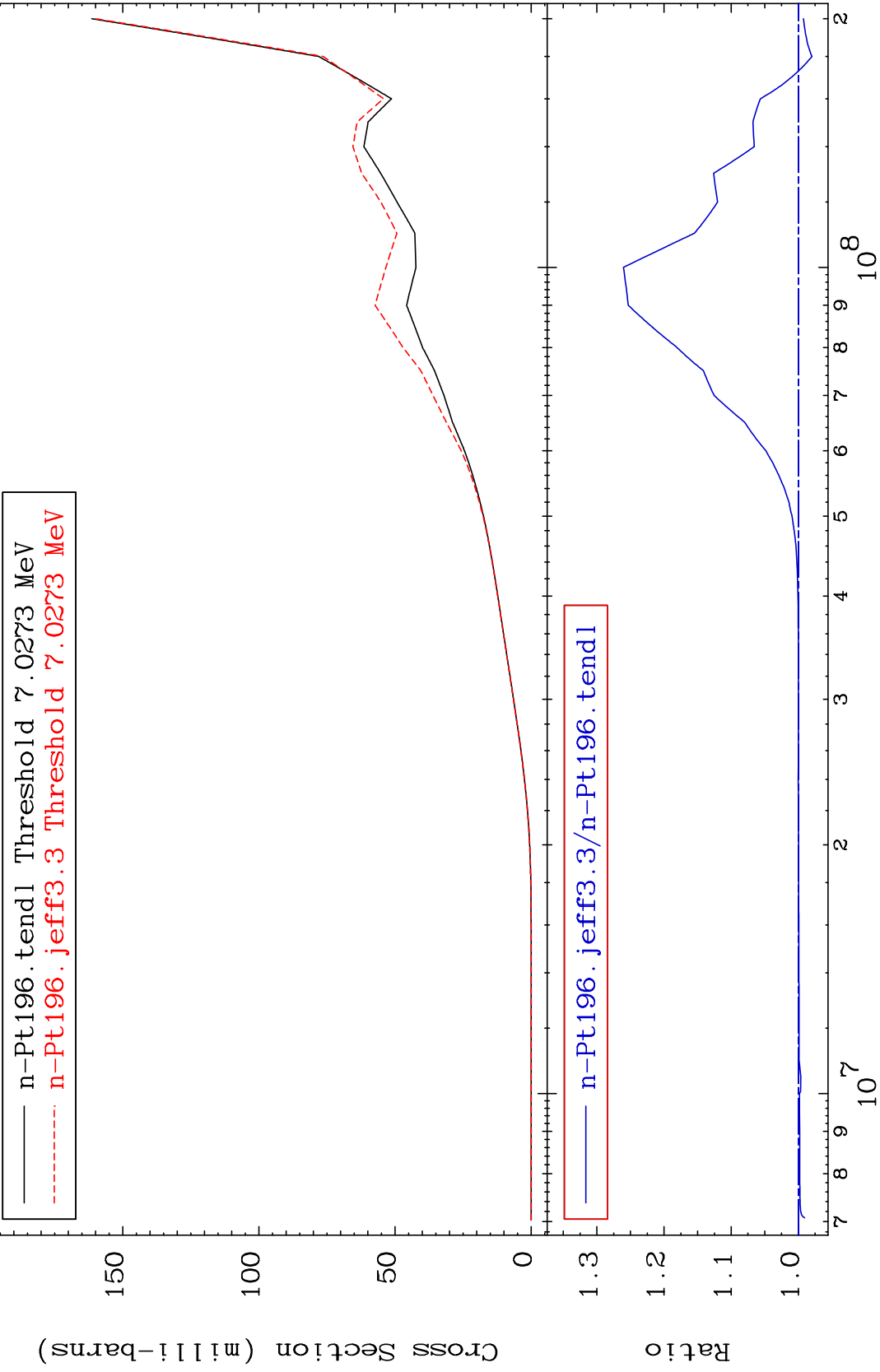
78-Pt-196
-1.741 To 6.776 %



MAT 7843

Tritium Production
Cross Section

78-Pt-196
-2.032 To 26.05 %



35

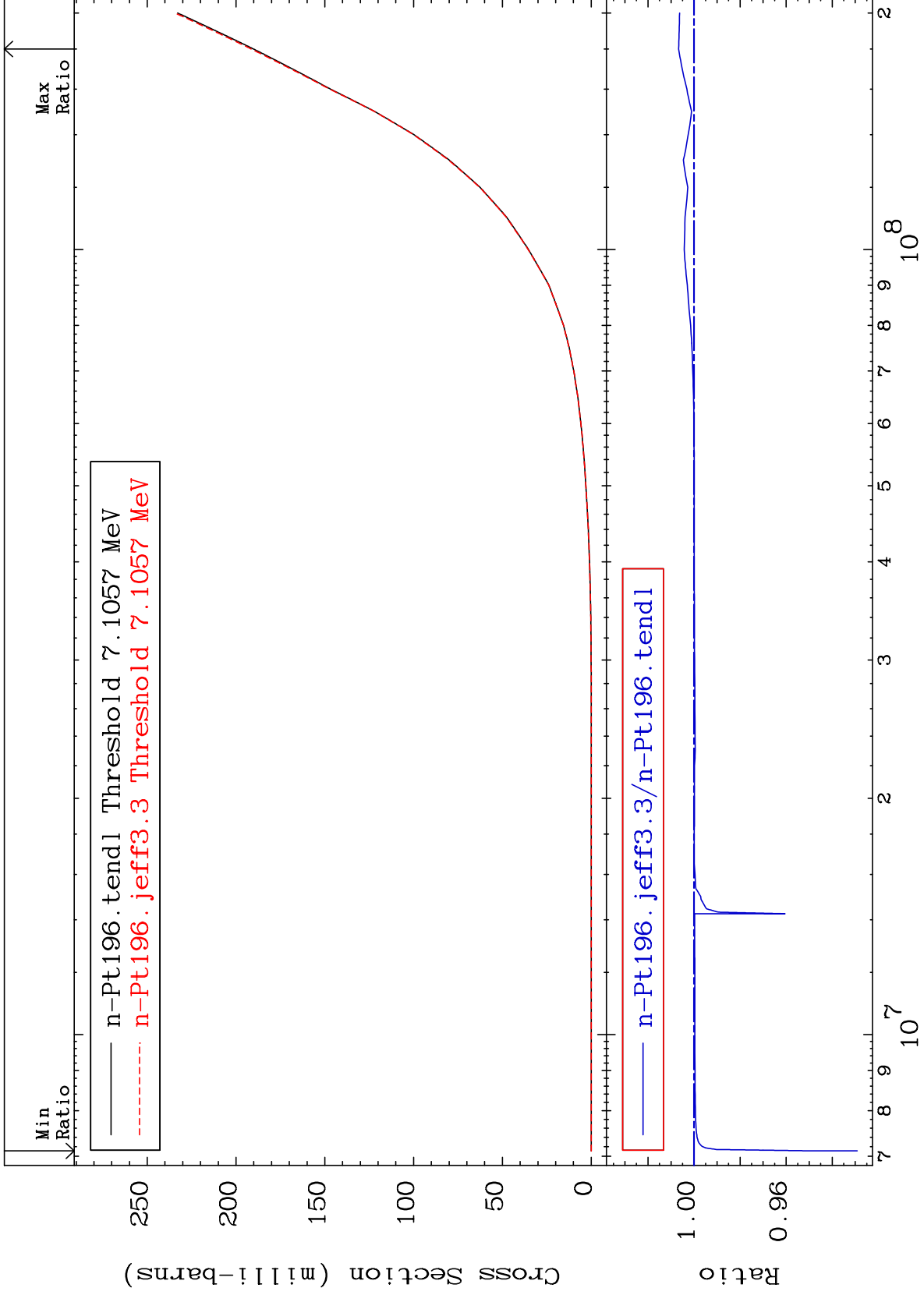
Incident Energy (eV)

78-Pt-196

MAT 7843

He-3 Production
Cross Section

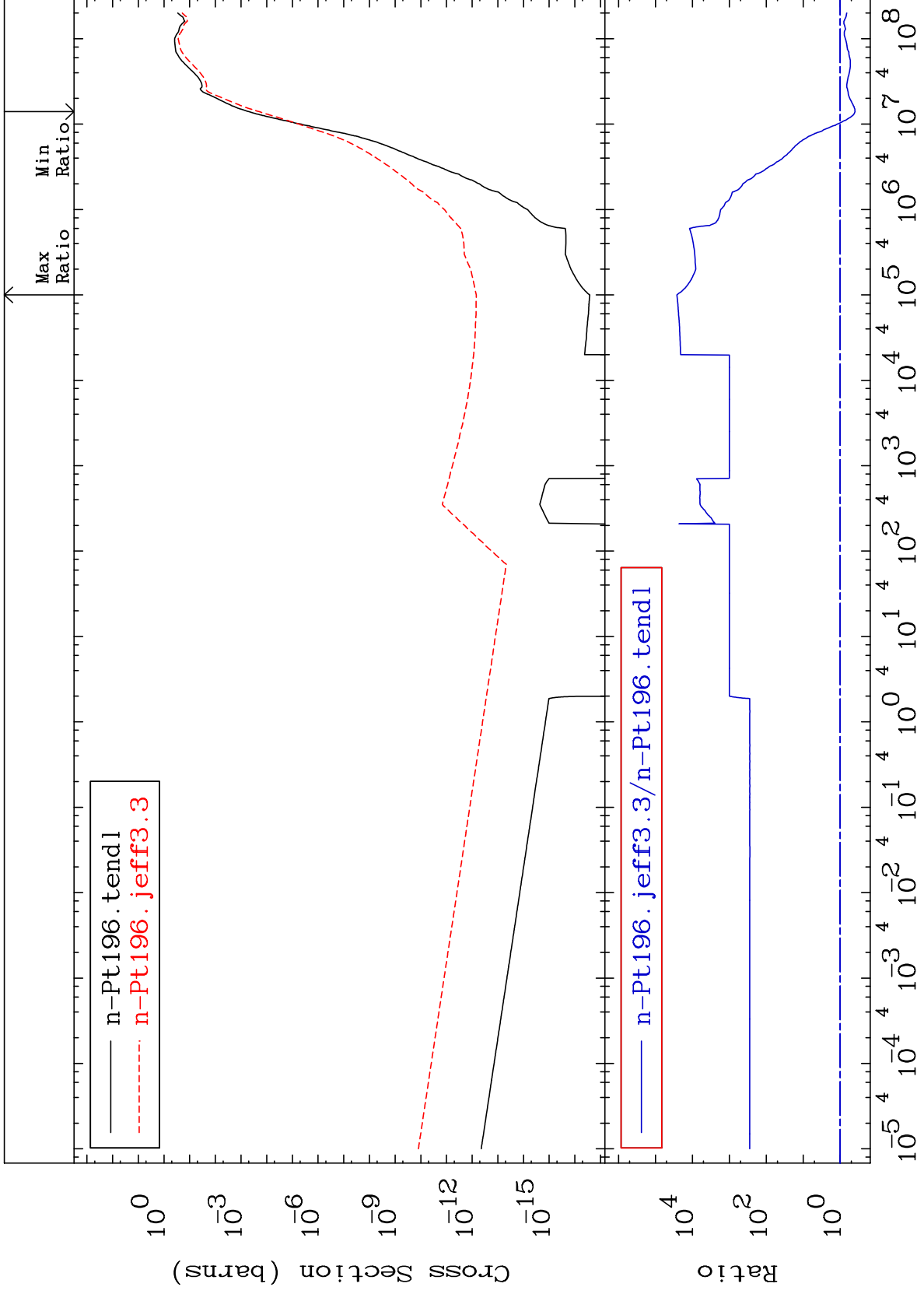
78-Pt-196
-7.088 To 0.669 %



MAT 7843

He-4 Production
Cross Section

78-Pt-196
-60.37 To 9999. %



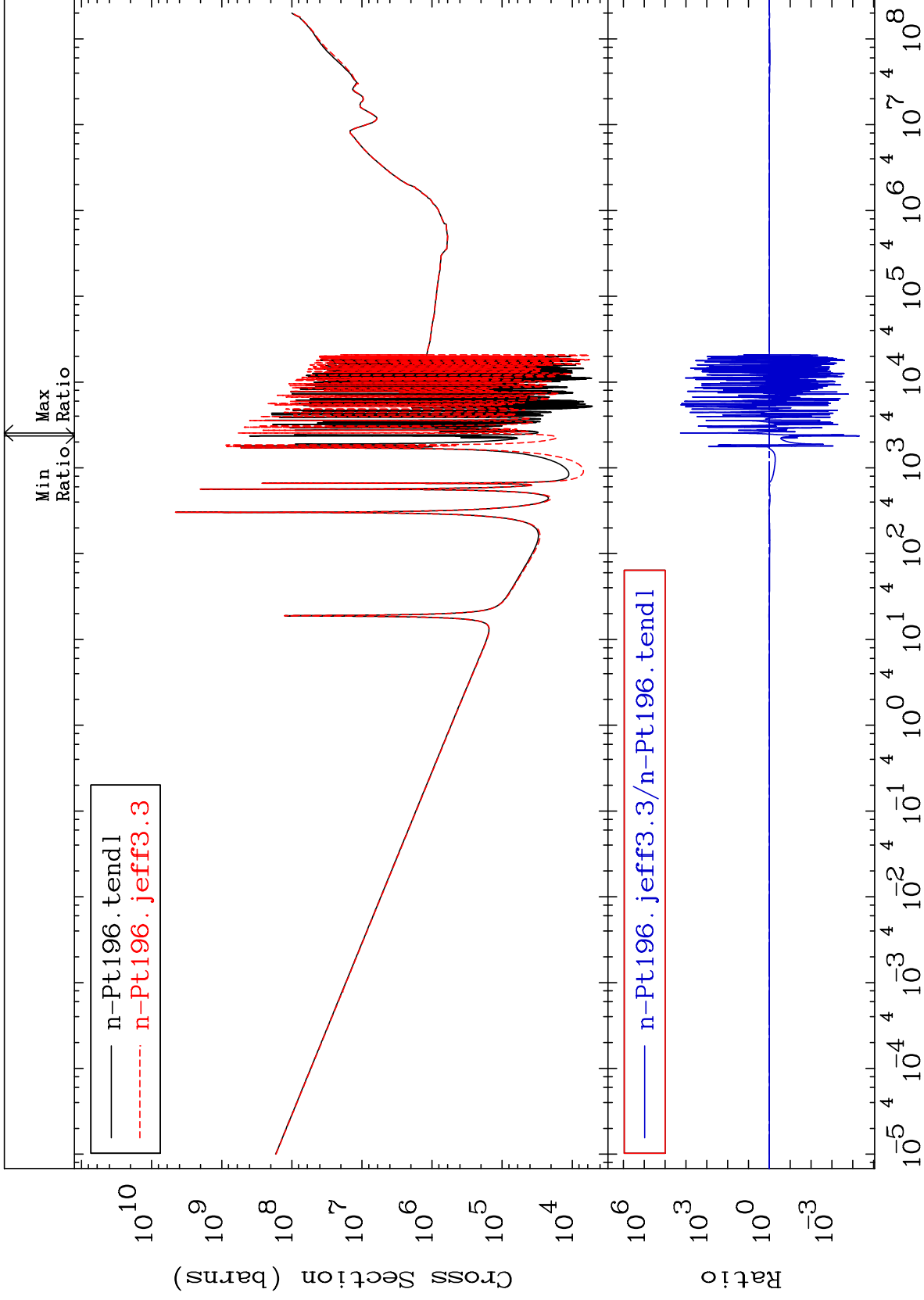
37

Incident Energy (eV)

78-Pt-196

Cross Section

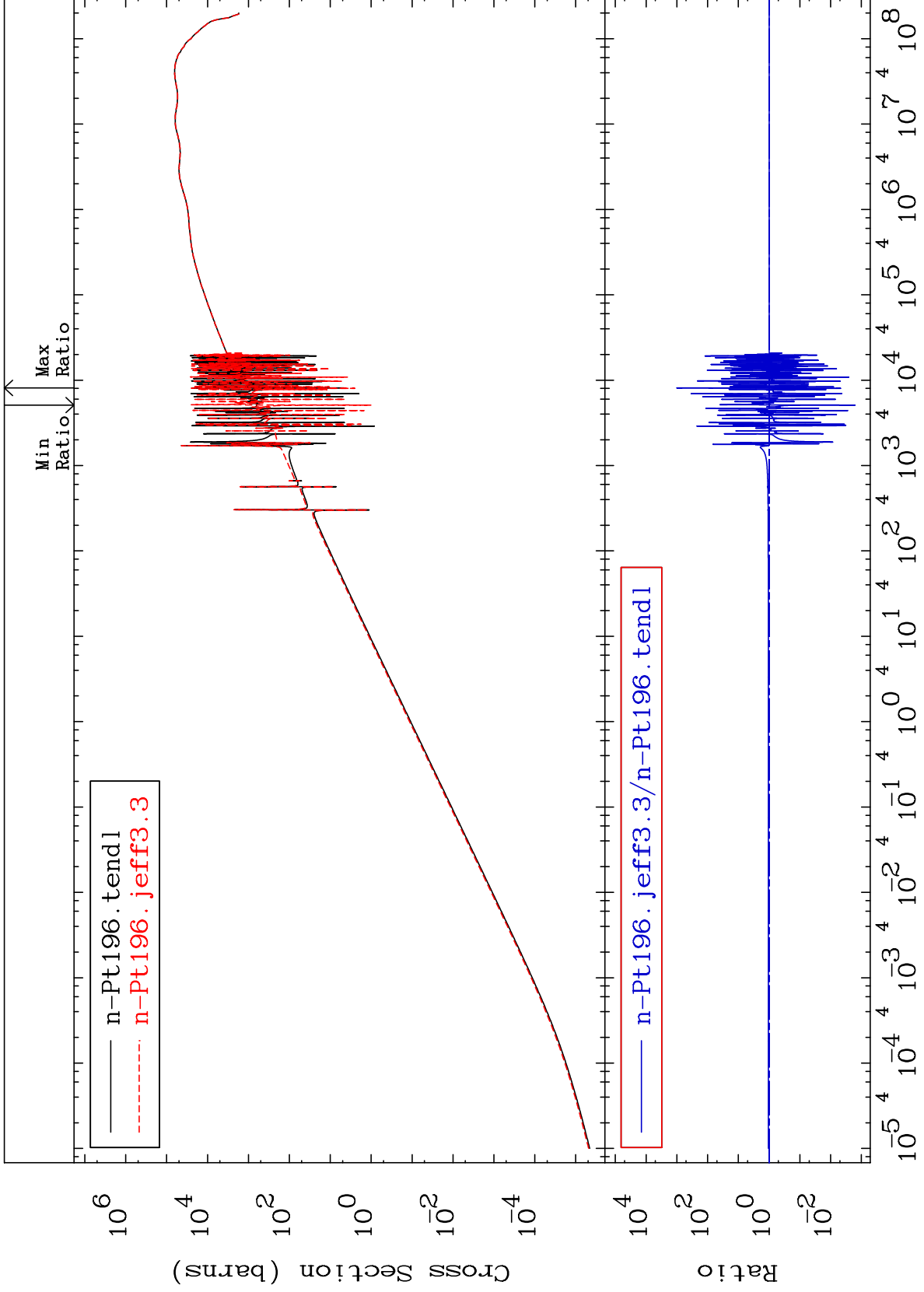
-100.0 To 9999. %

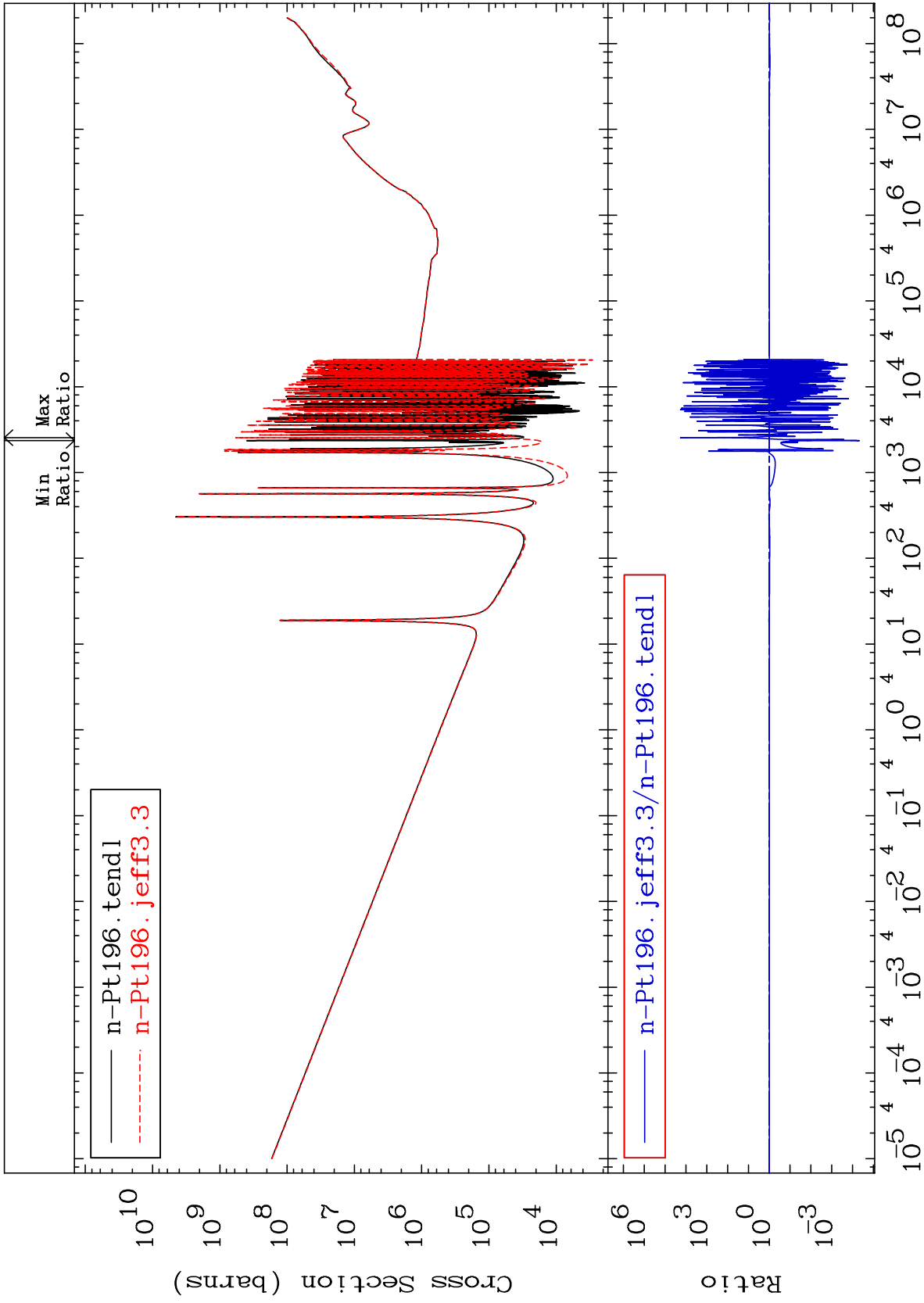


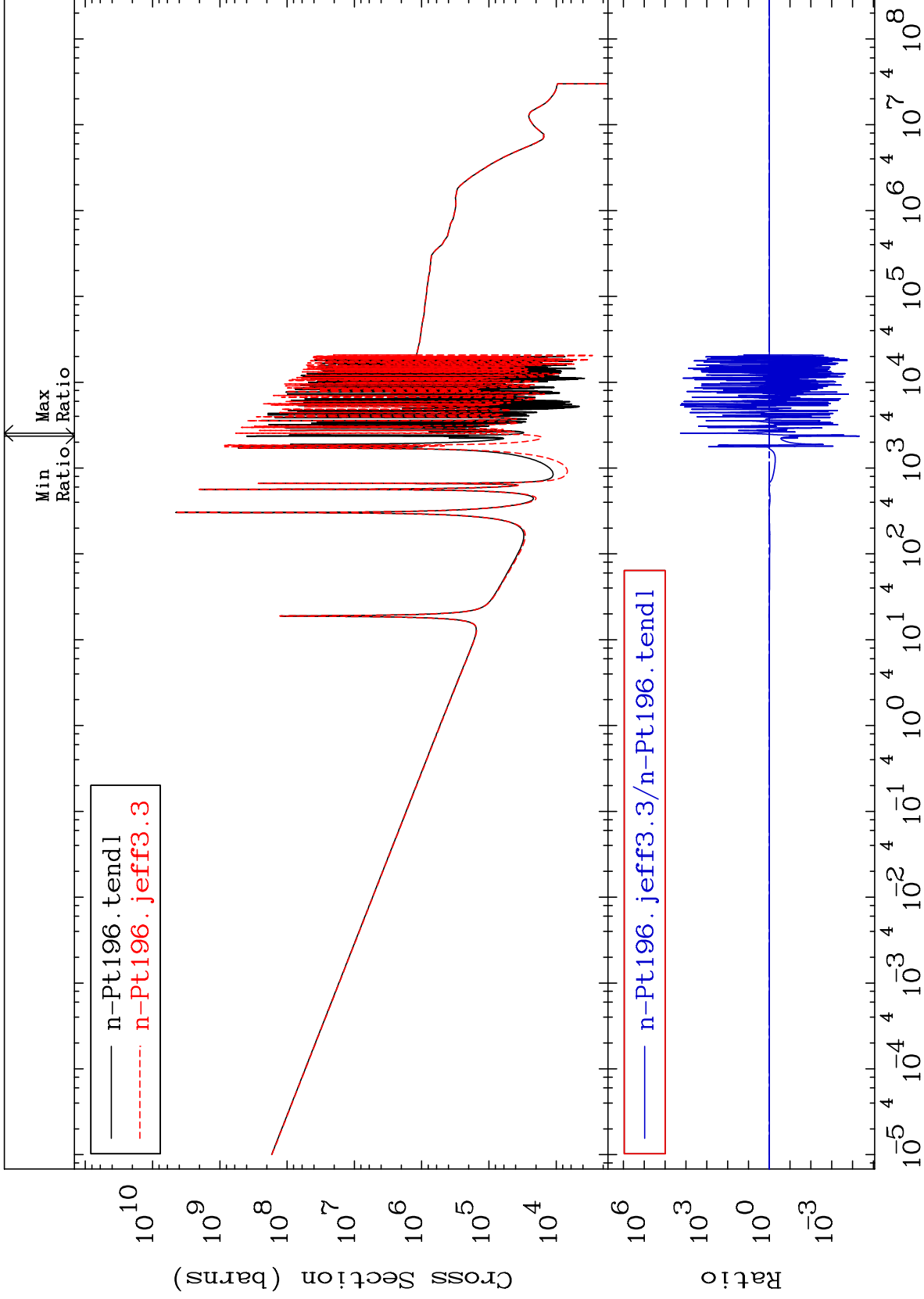
MAT 7843

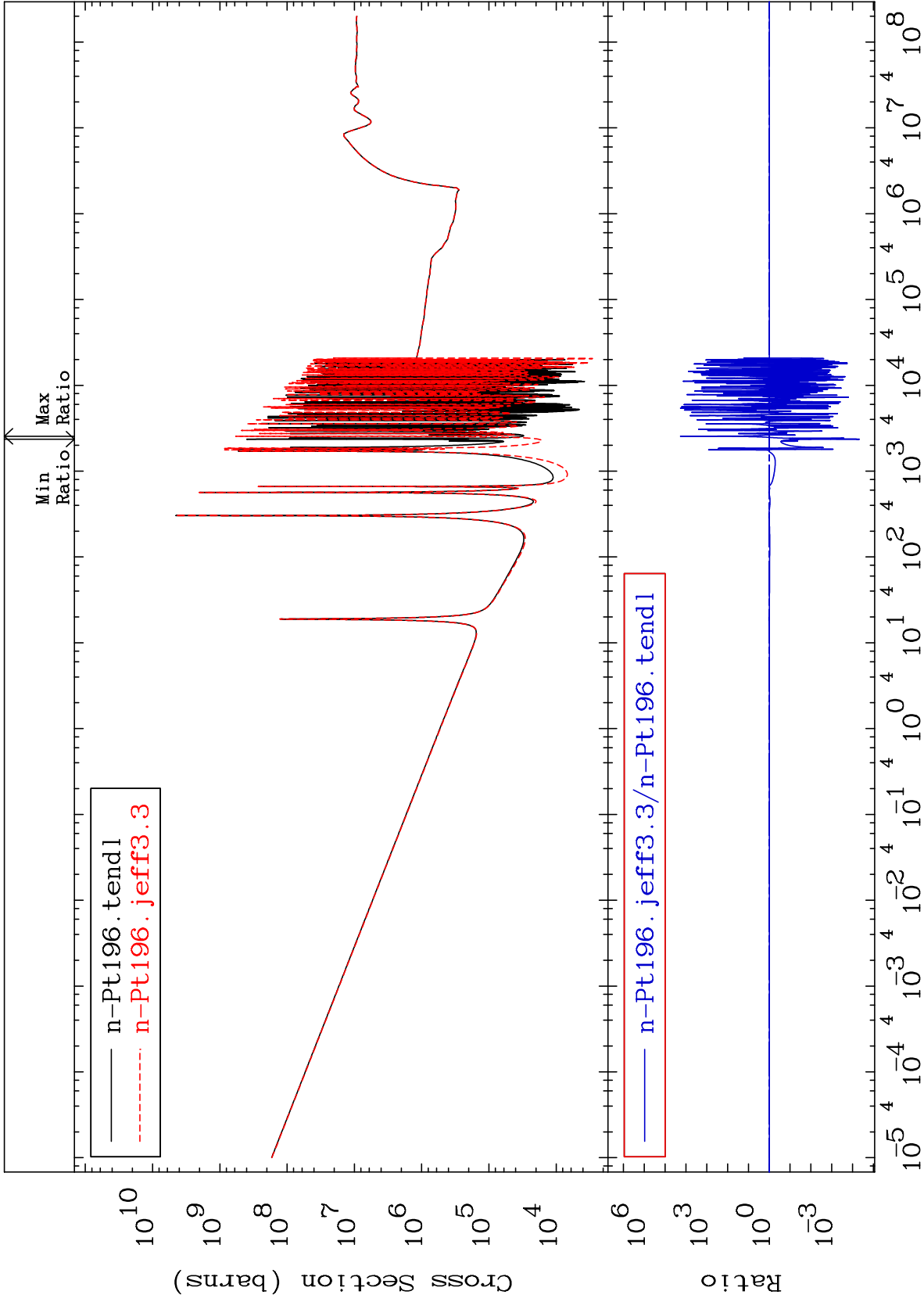
Kerma elastic
Cross Section

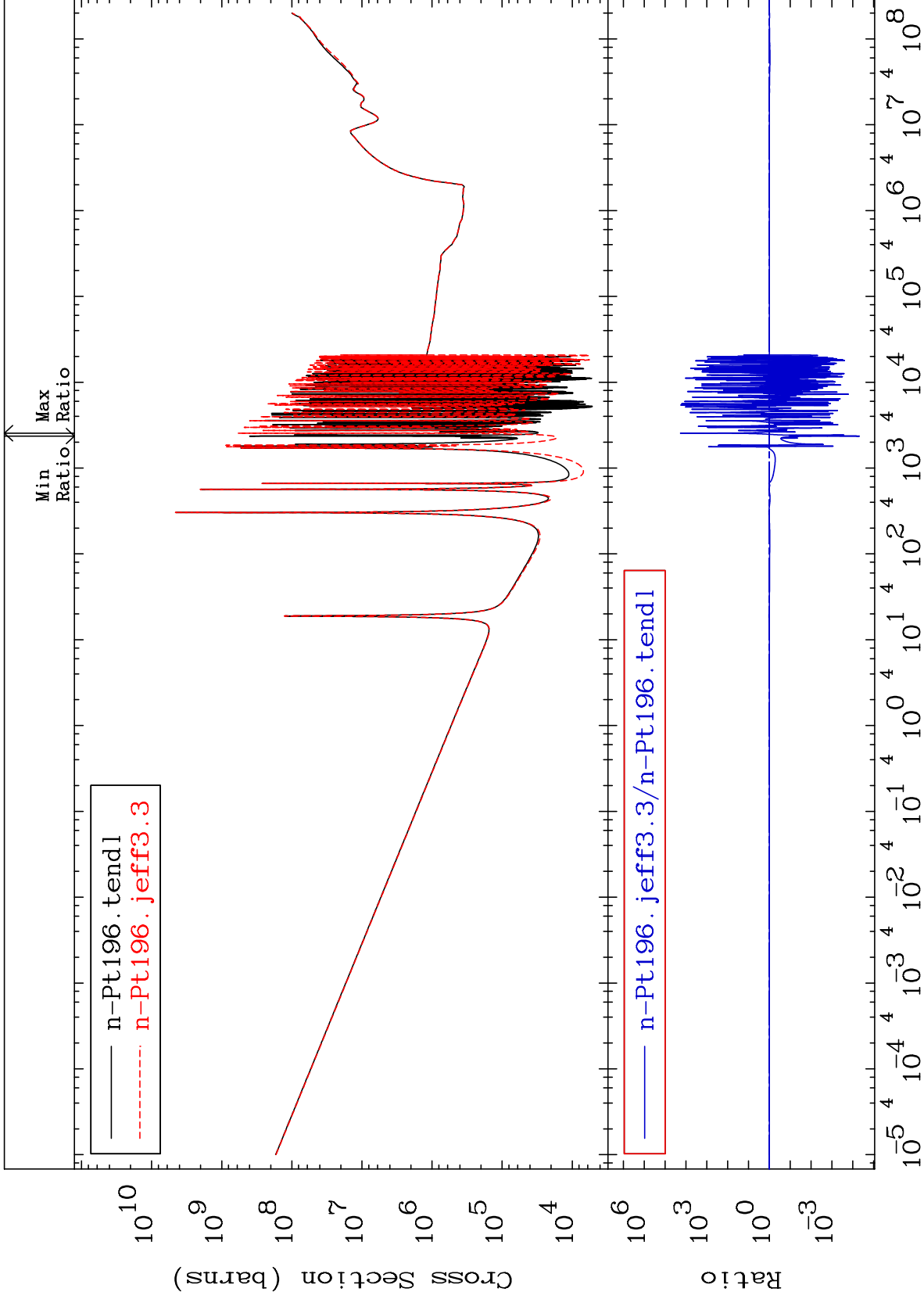
78-Pt-196
-99.84 To 9999. %

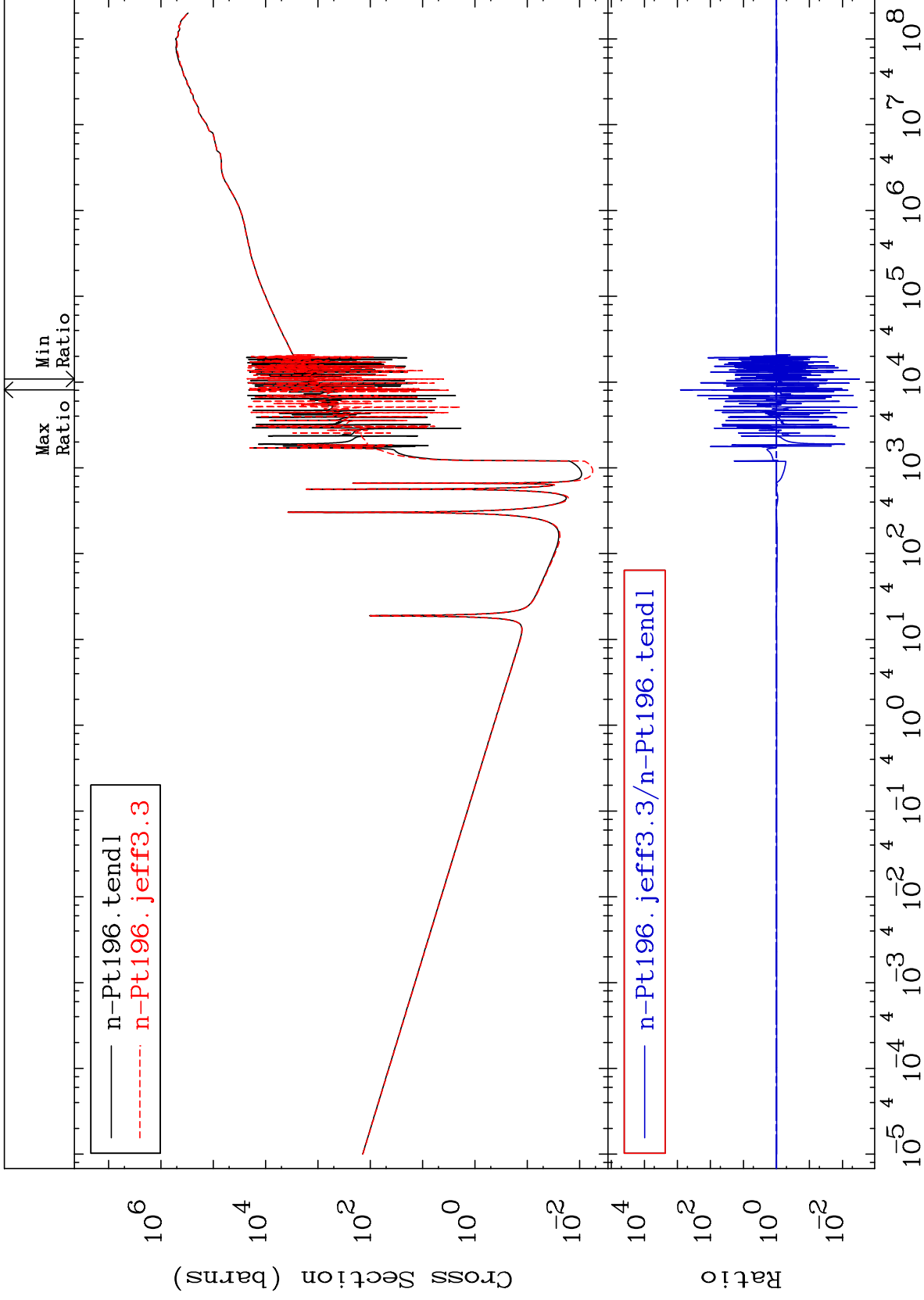


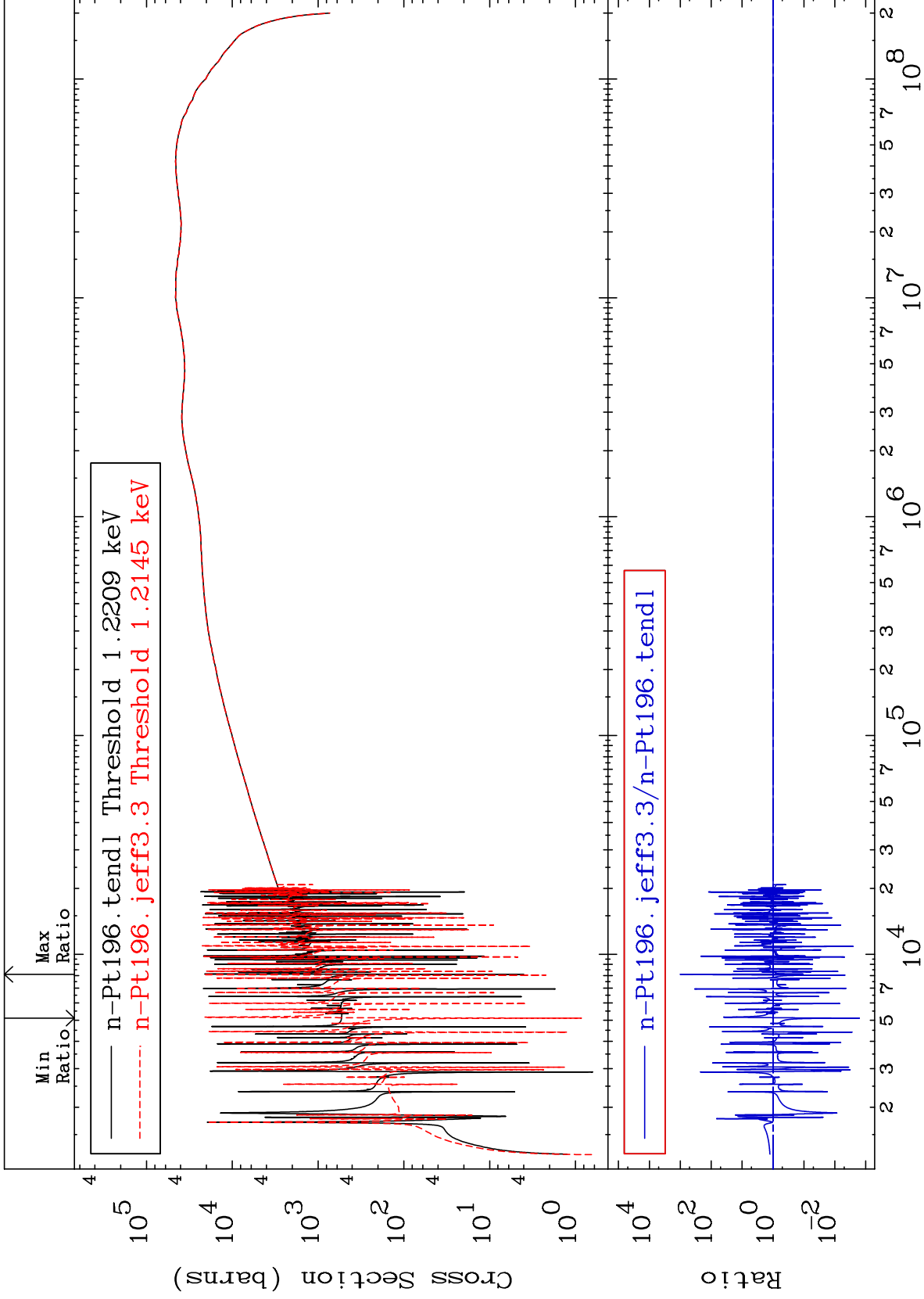


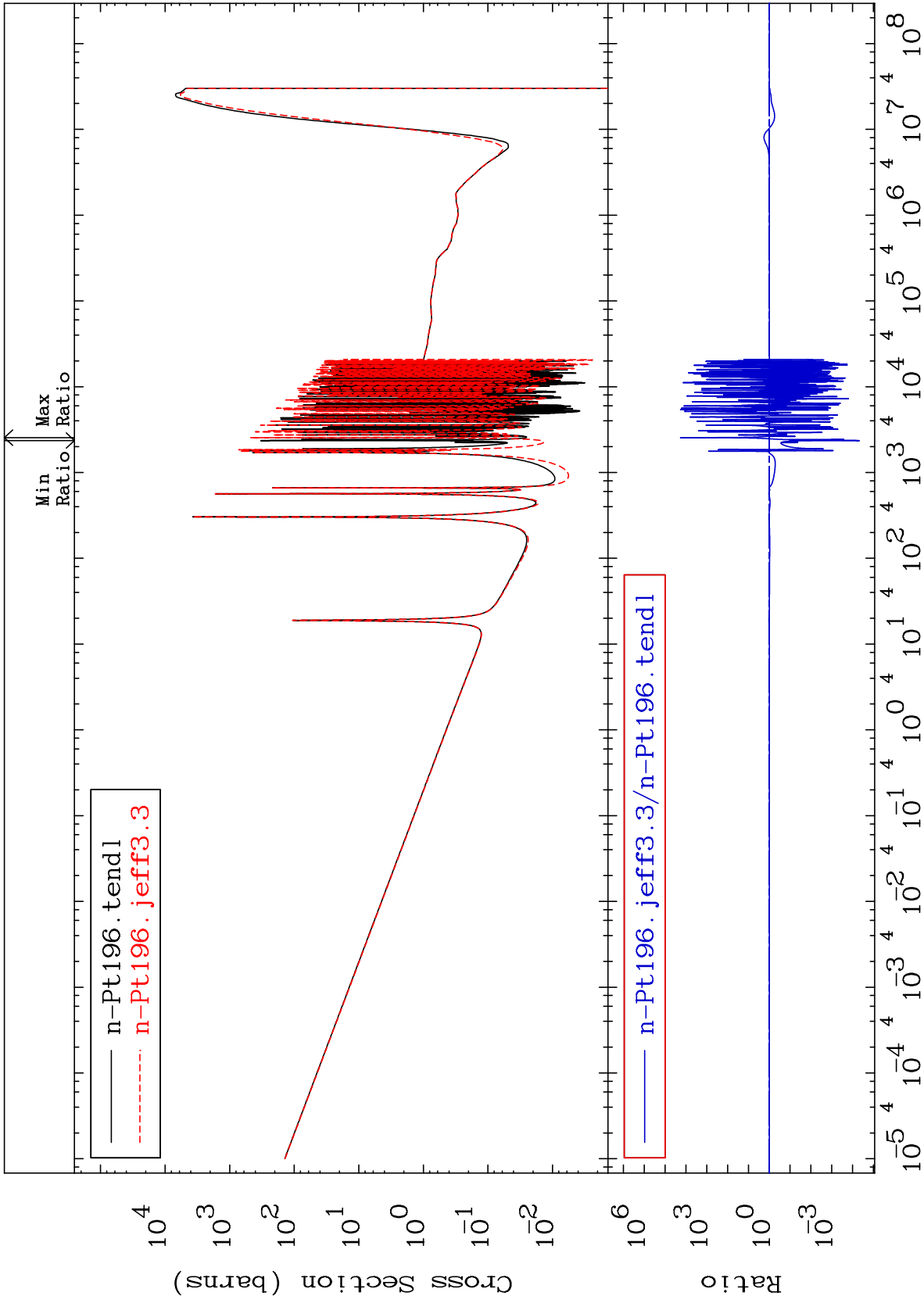












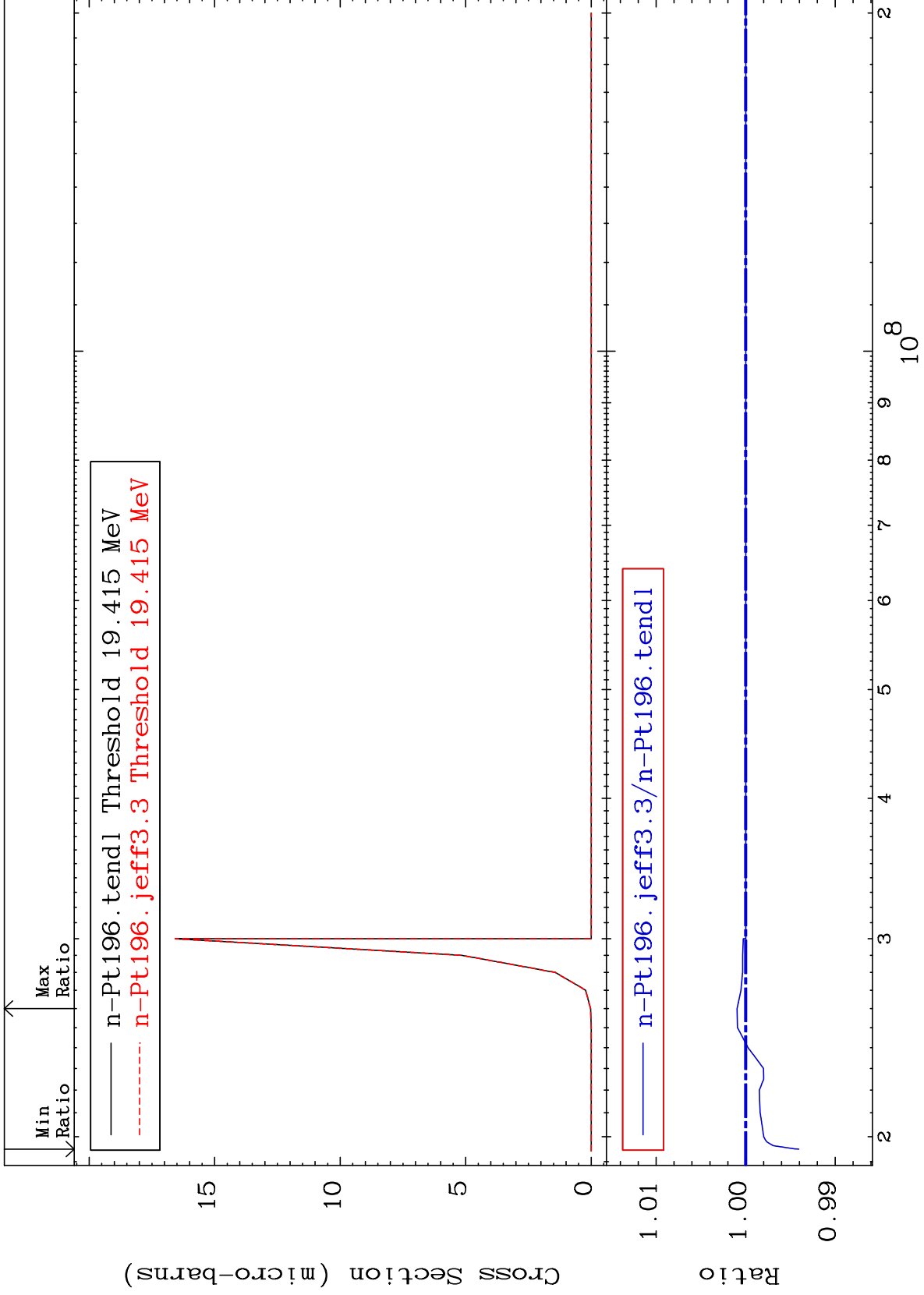
MAT 7843

(n,2n) d:77-Ir-193g

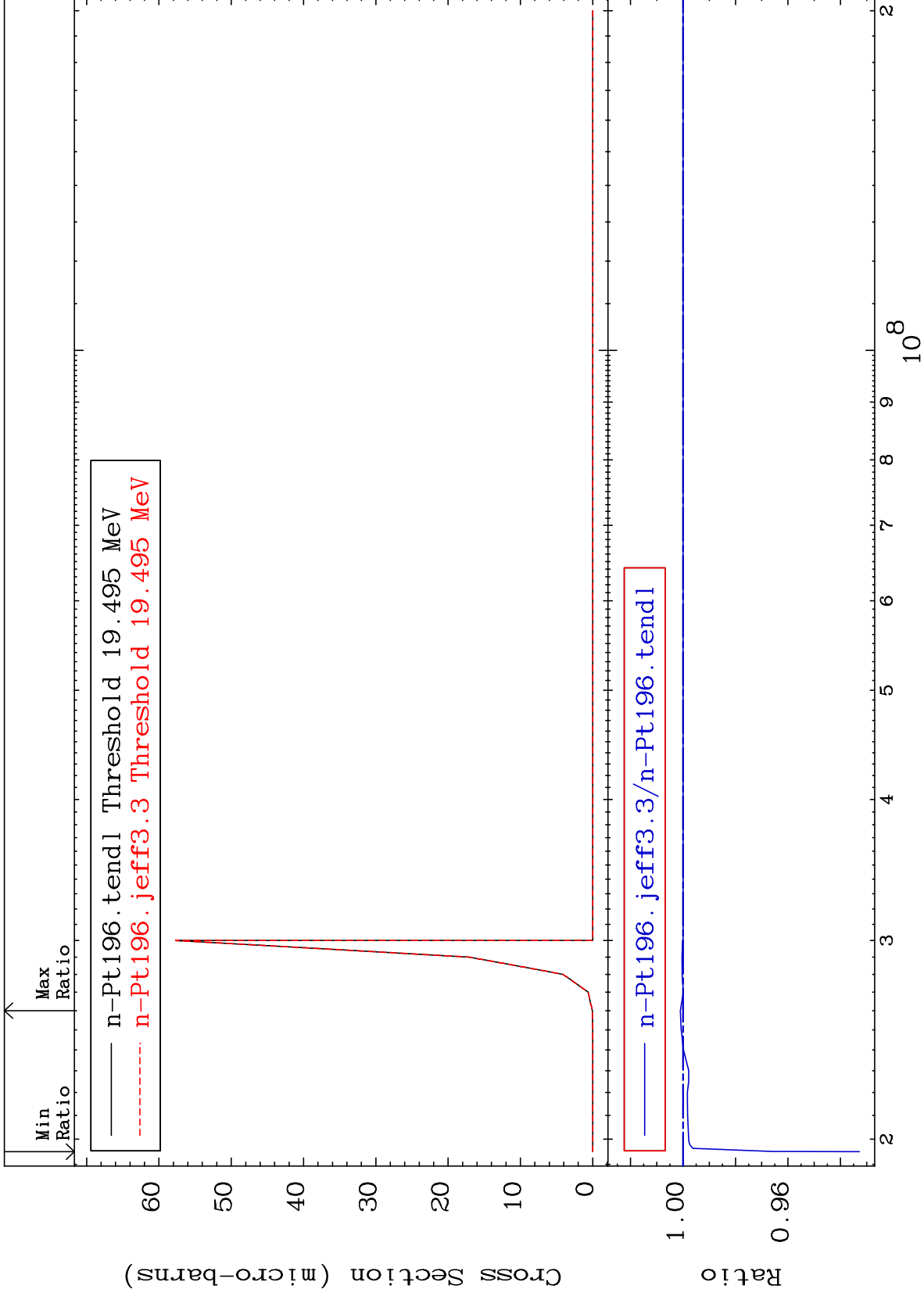
78-Pt-196

Radionuclide Production Cross Section

-0.594 To 0.098 %



Radionuclide Production Cross Section -6.722 To 0.100 %

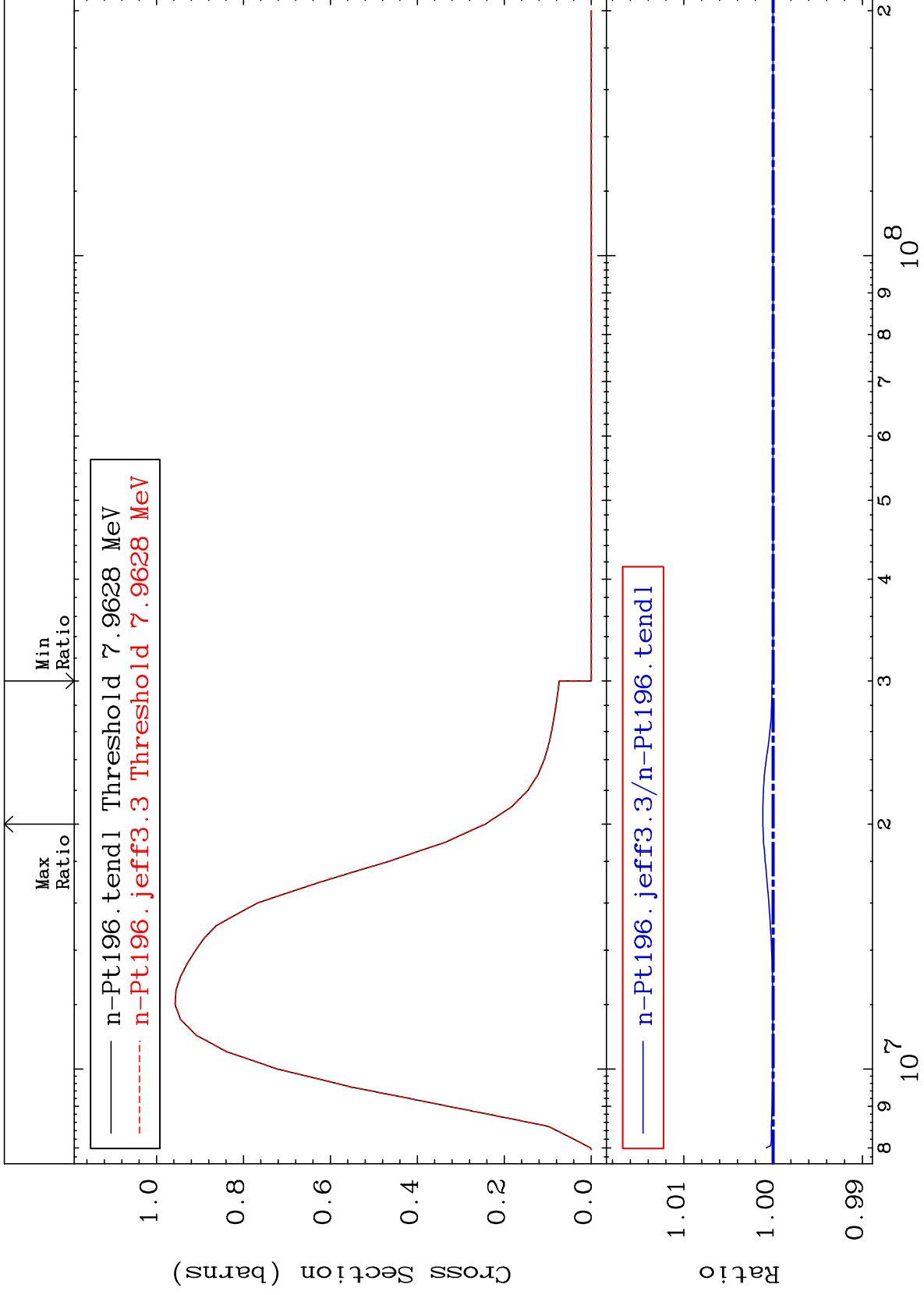


MAT 7843

(n,2n):78-Pt-195g

78-Pt-196

Radionuclide Production Cross Section 0.000 To 0.116 %

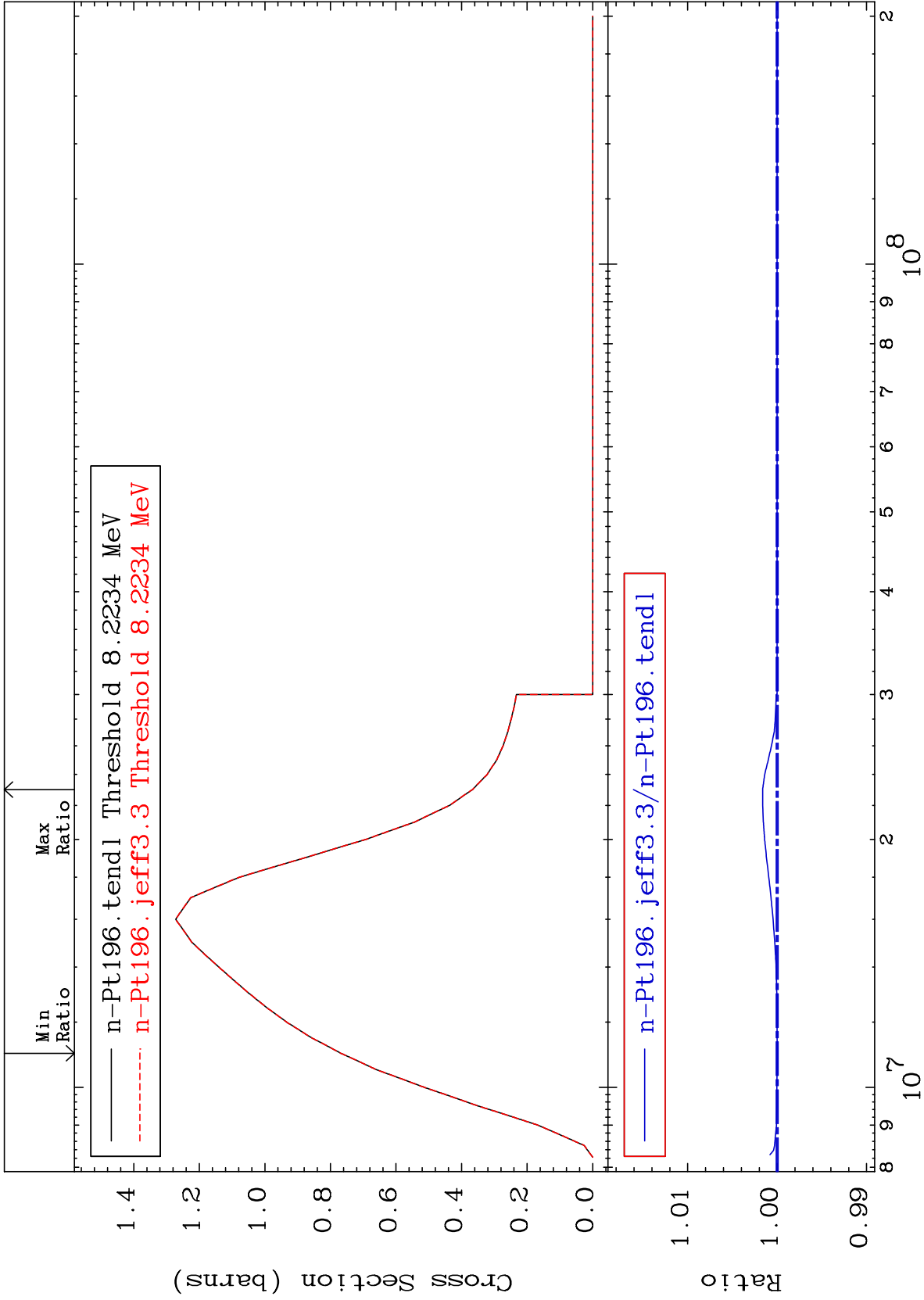


MAT 7843

(n,2n):78-Pt-195m7

78-Pt-196

Radionuclide Production Cross Section 0.000 To 0.162 %



50

Incident Energy (eV)

78-Pt-196

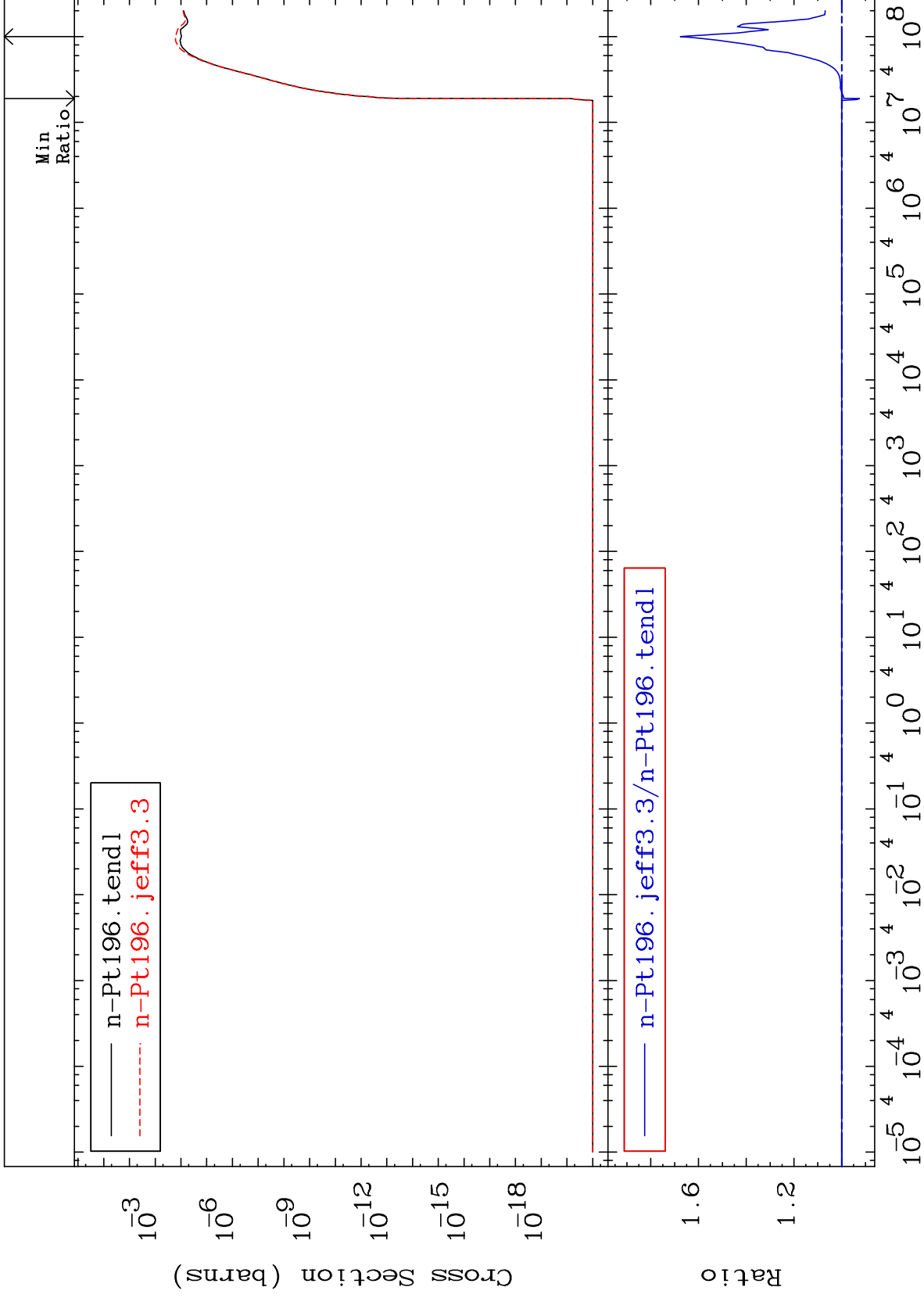
MAT 7843

Fission: Photon

78-Pt-196

Radionuclide Production Cross Section

-7.447 To 67.60 %



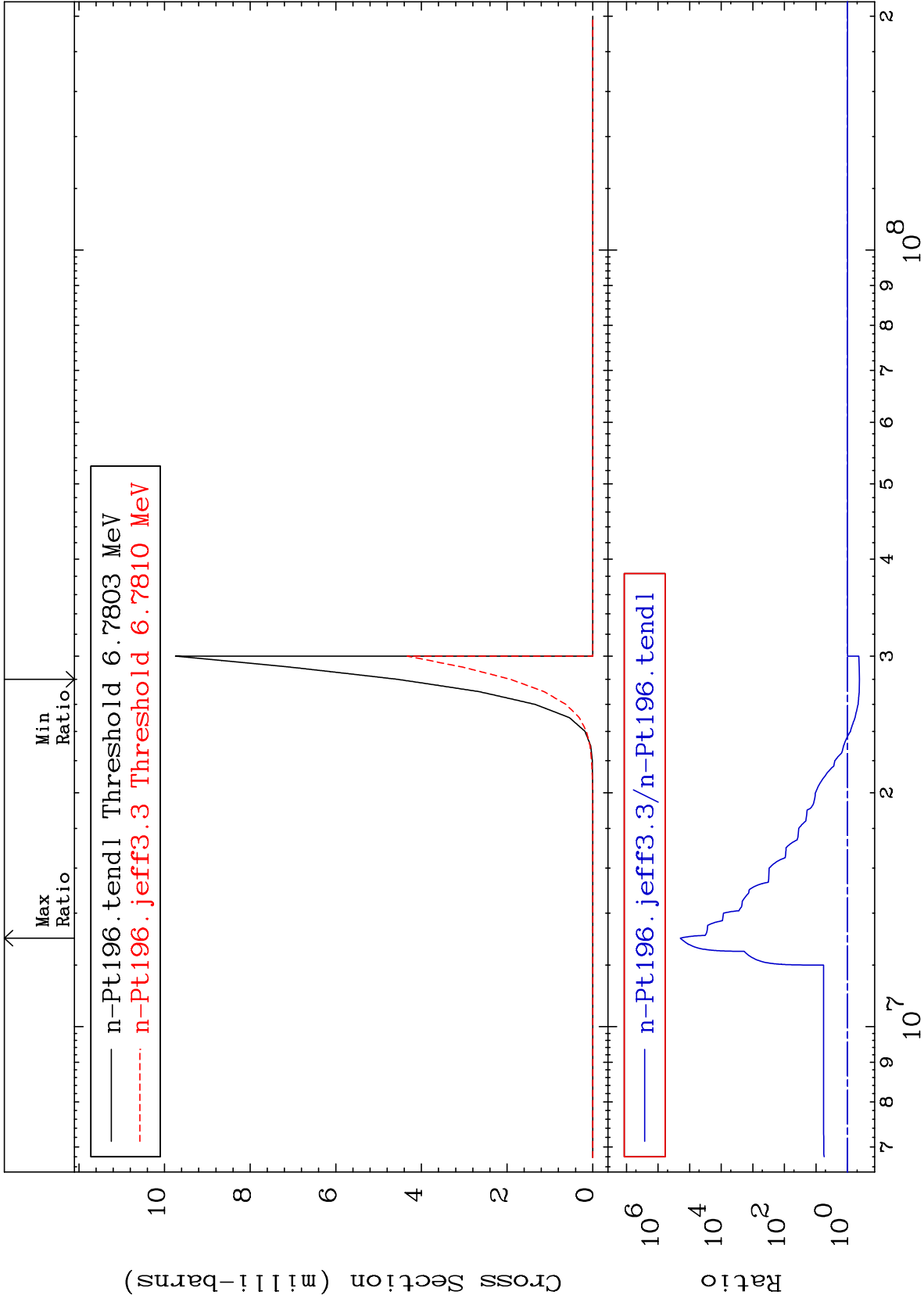
51

Incident Energy (eV)

78-Pt-196

MAT 7843

(n,2n) α : 76-Os-191g 78-Pt-196
Radionuclide Production Cross Section -57.83 To 9999. %

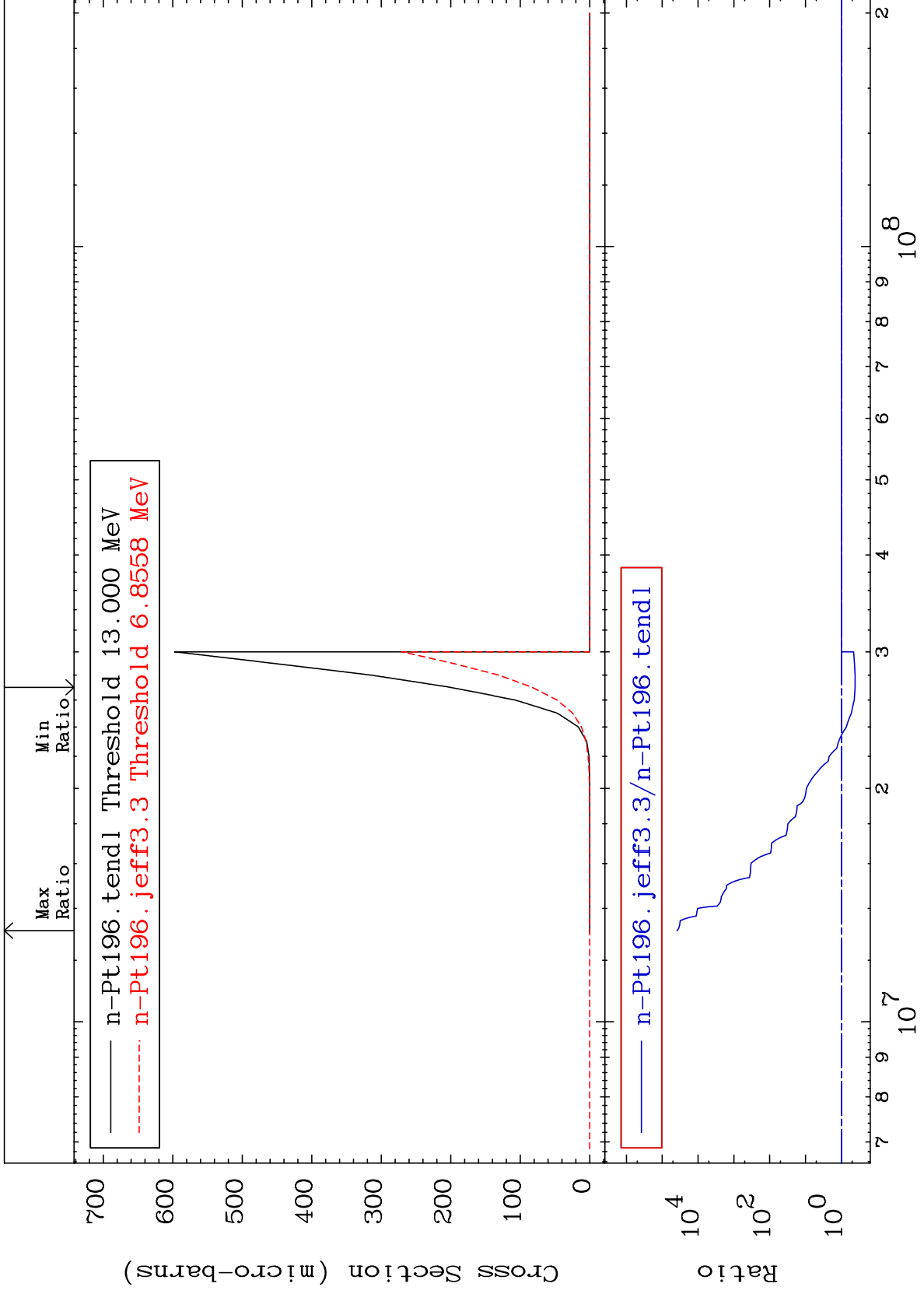


MAT 7843

(n,2n) α : 76-0s-191m1

78-Pt-196

Radionuclide Production Cross Section -58.61 To 9999. %

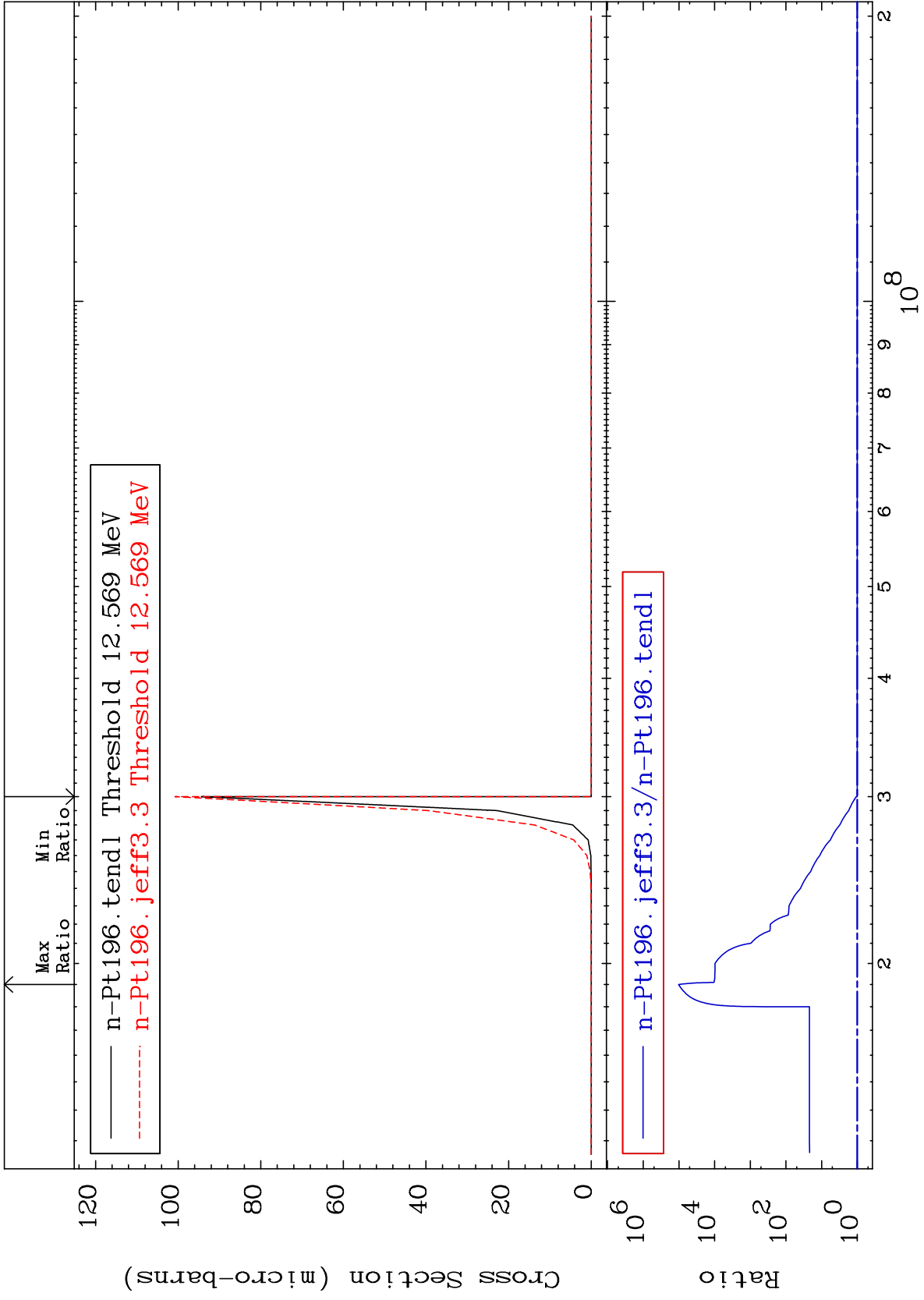


MAT 7843

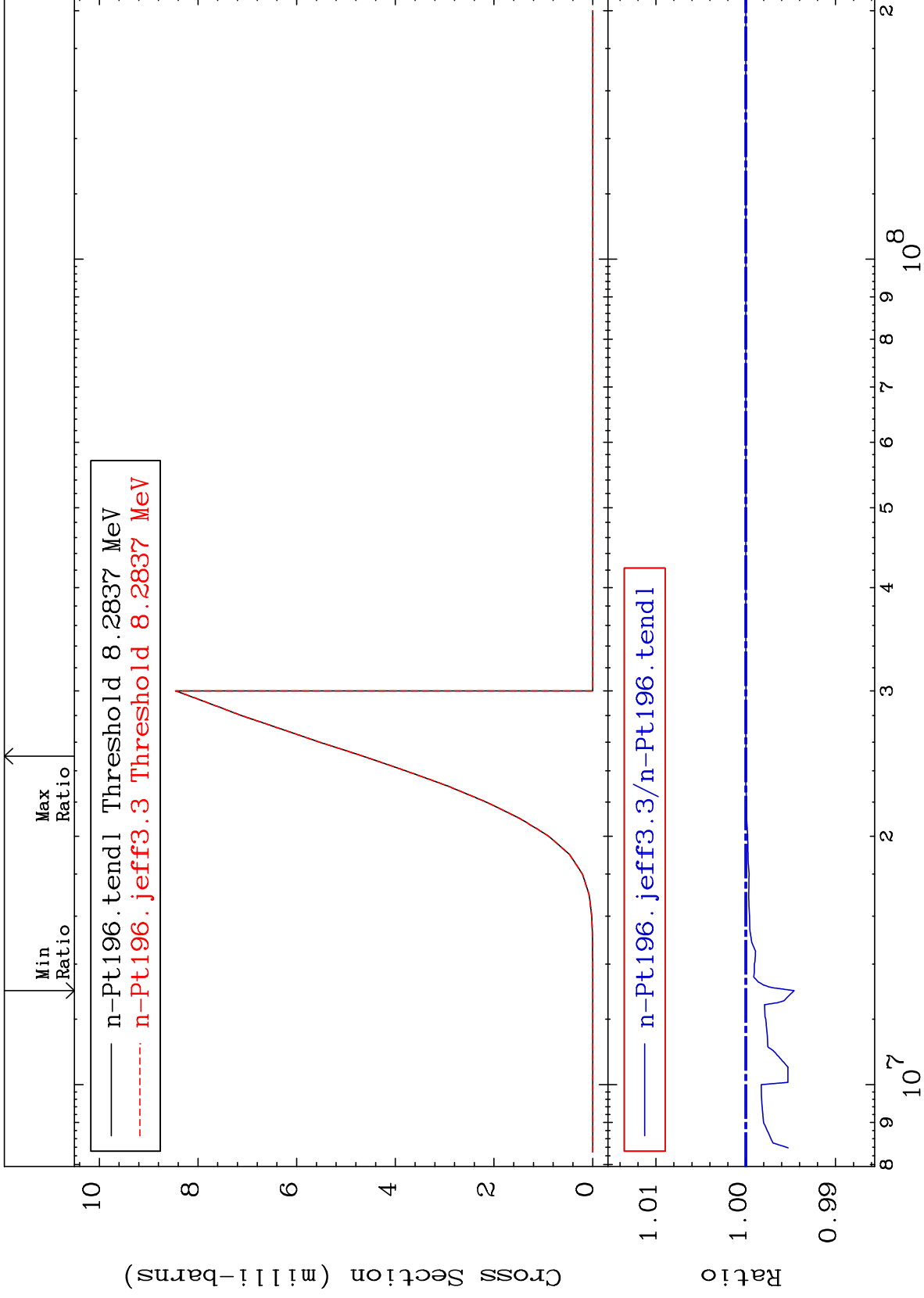
(n,3n) α : 76-0s-190g

78-Pt-196

Radionuclide Production Cross Section 0.000 To 9999. %



Radionuclide Production Cross Section -0.540 To 0.002 %

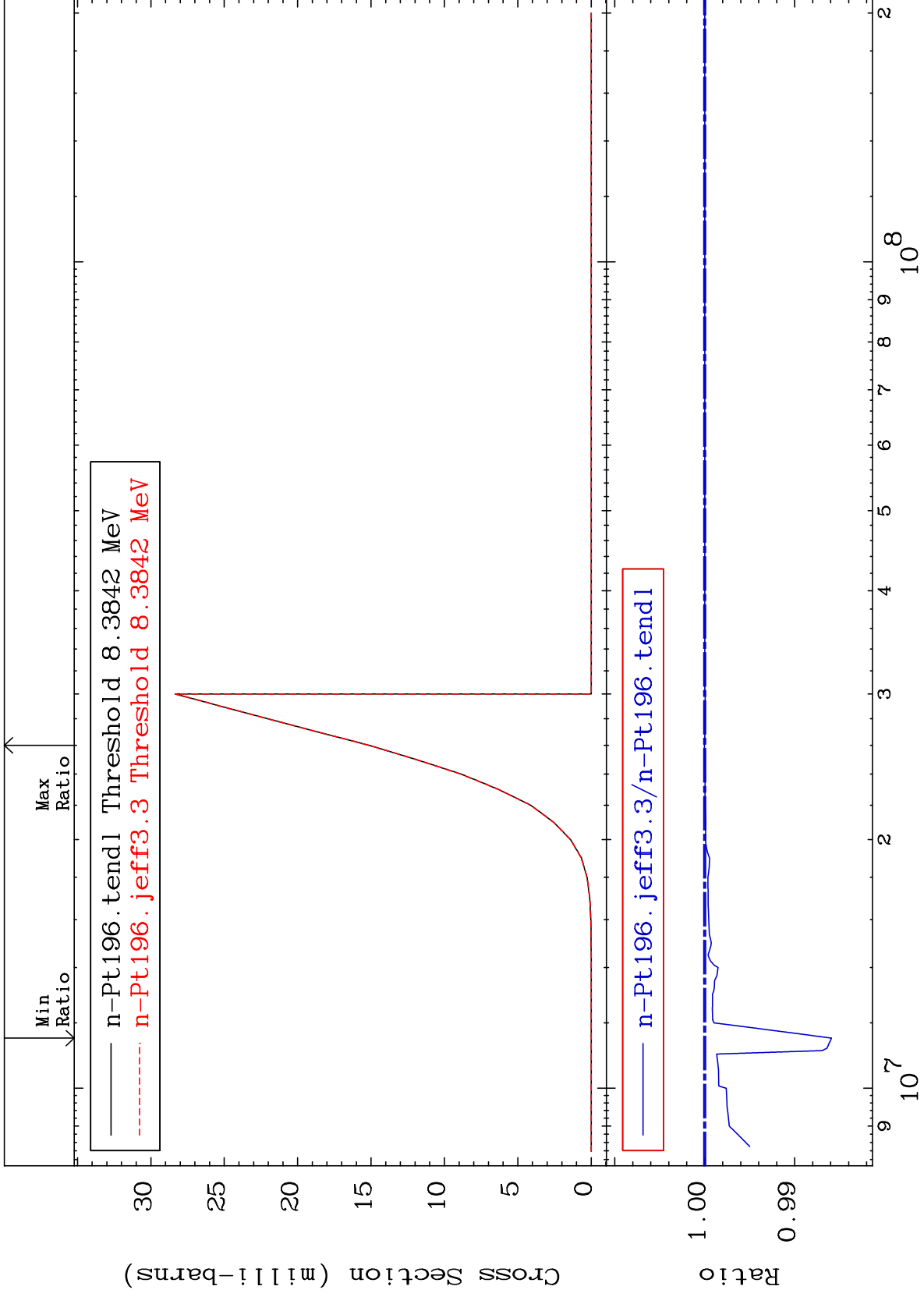


MAT 7843

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

78-Pt-196

Radionuclide Production Cross Section -1.409 To 0.004 %

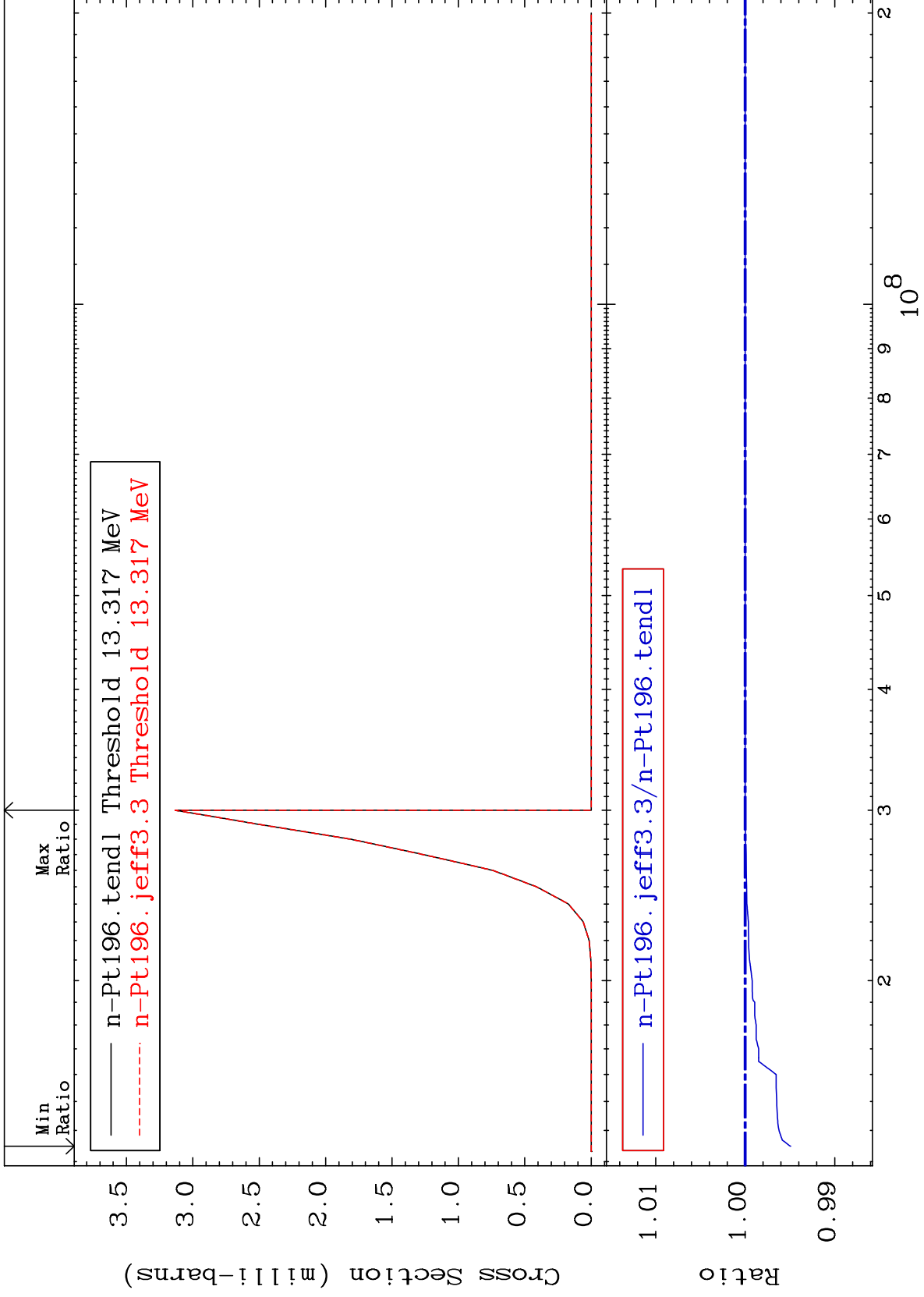


56

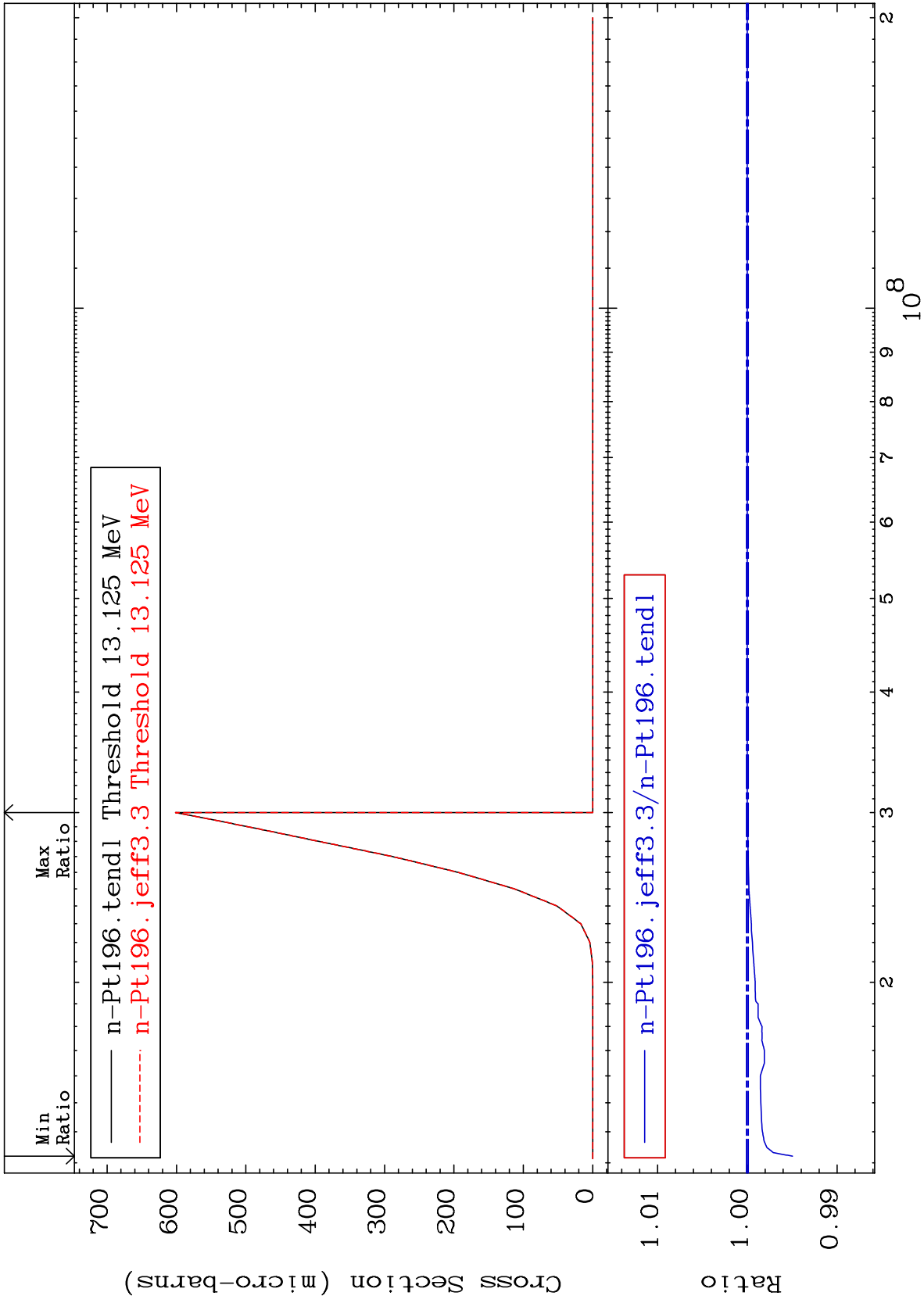
Incident Energy (eV)

78-Pt-196

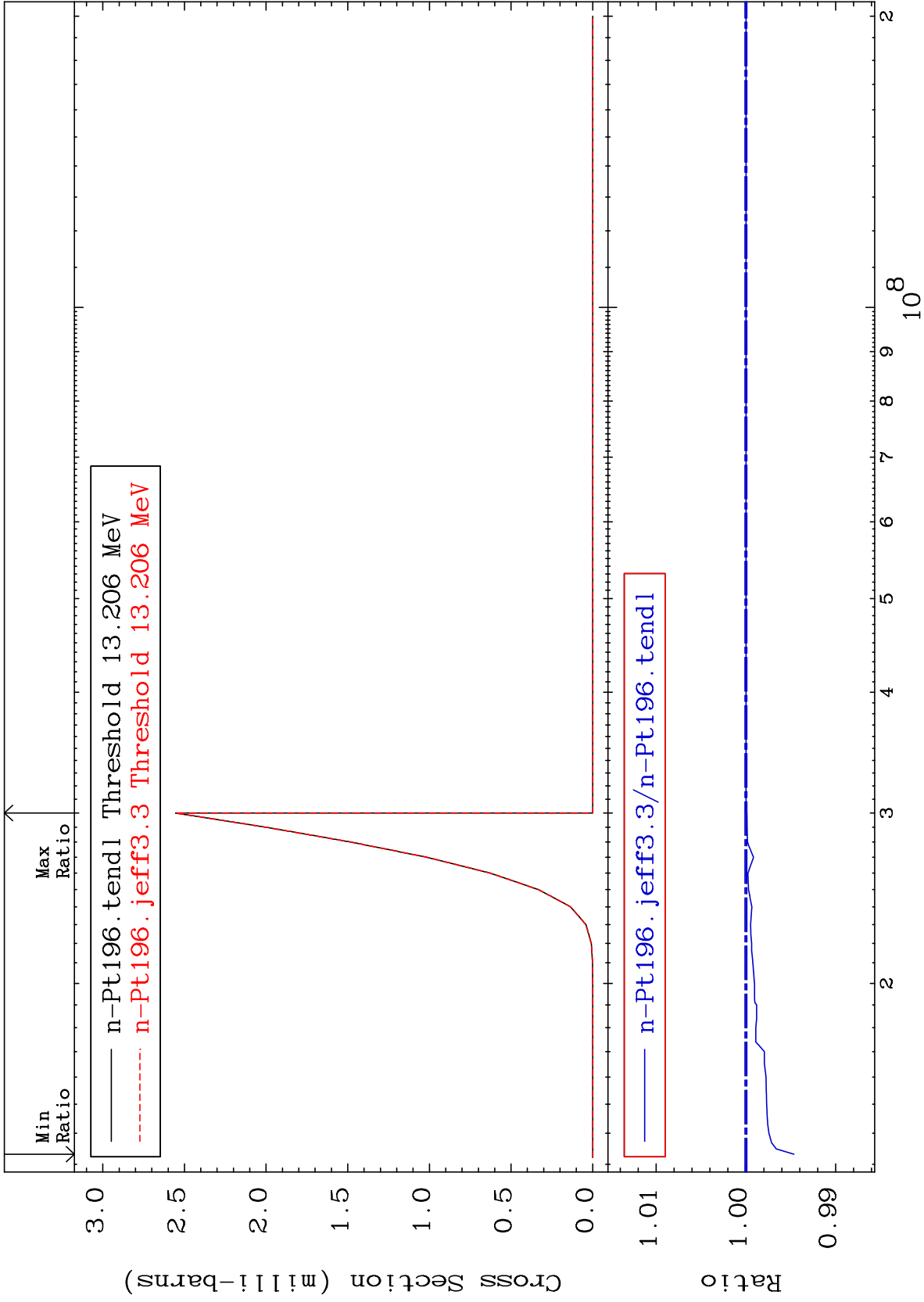
Radionuclide Production Cross Section -0.509 To 0.000 %



Radionuclide Production Cross Section -0.505 To 0.000 %



Radionuclide Production Cross Section -0.535 To 0.000 %

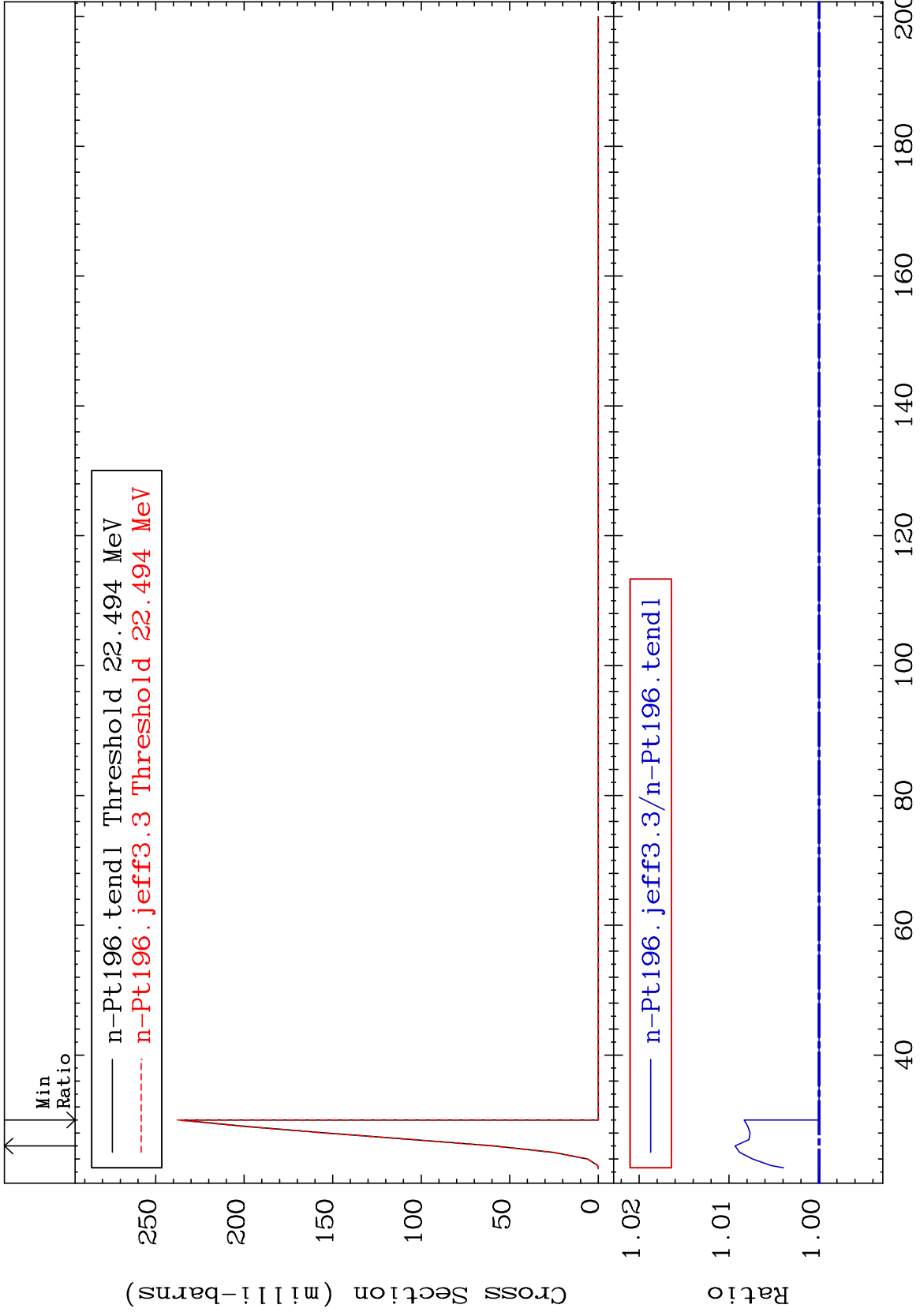


MAT 7843

(n, 4n): 78-Pt-193g

78-Pt-196

Radionuclide Production Cross Section 0.000 To 0.932 %



60

Incident Energy (MeV)

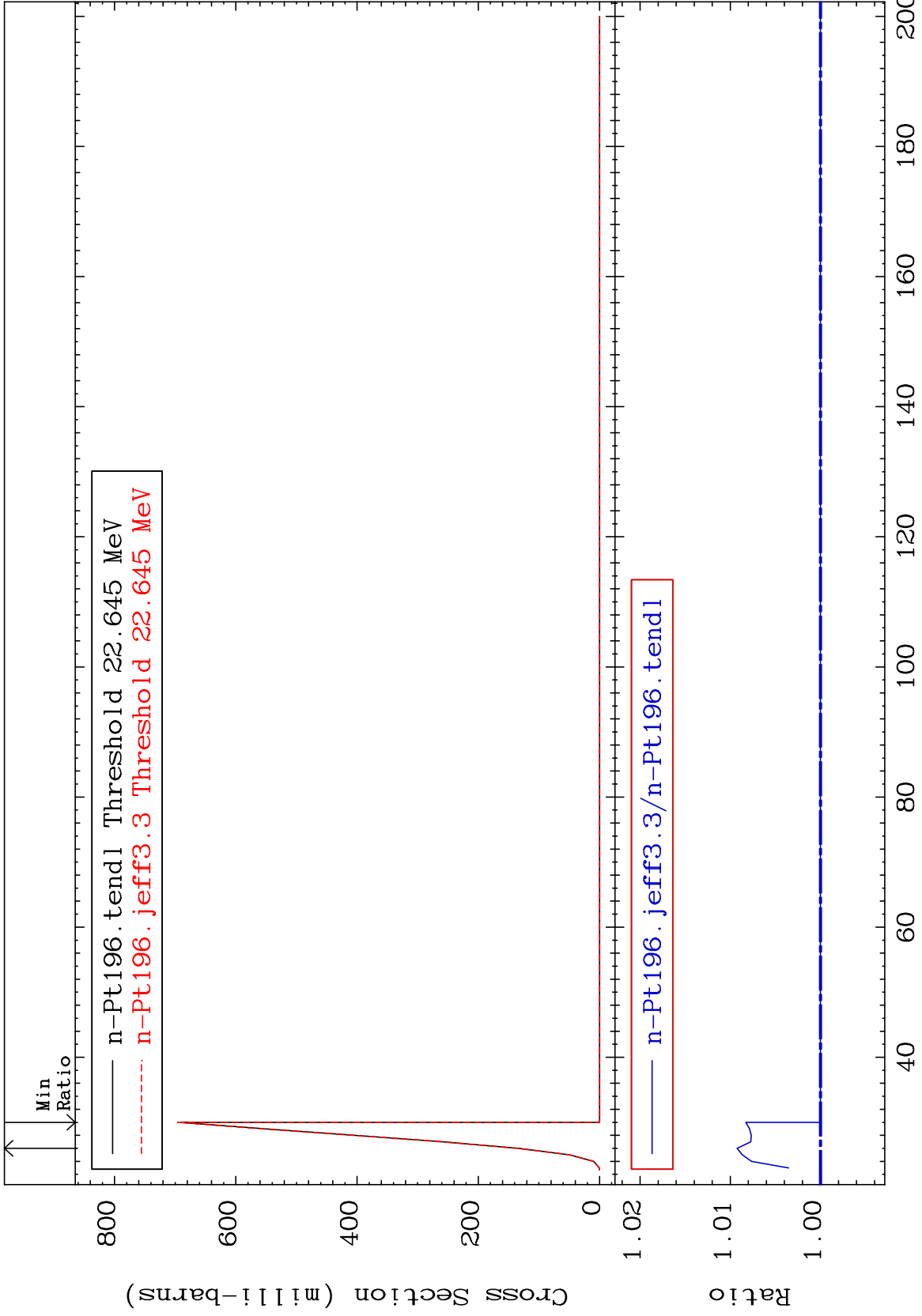
78-Pt-196

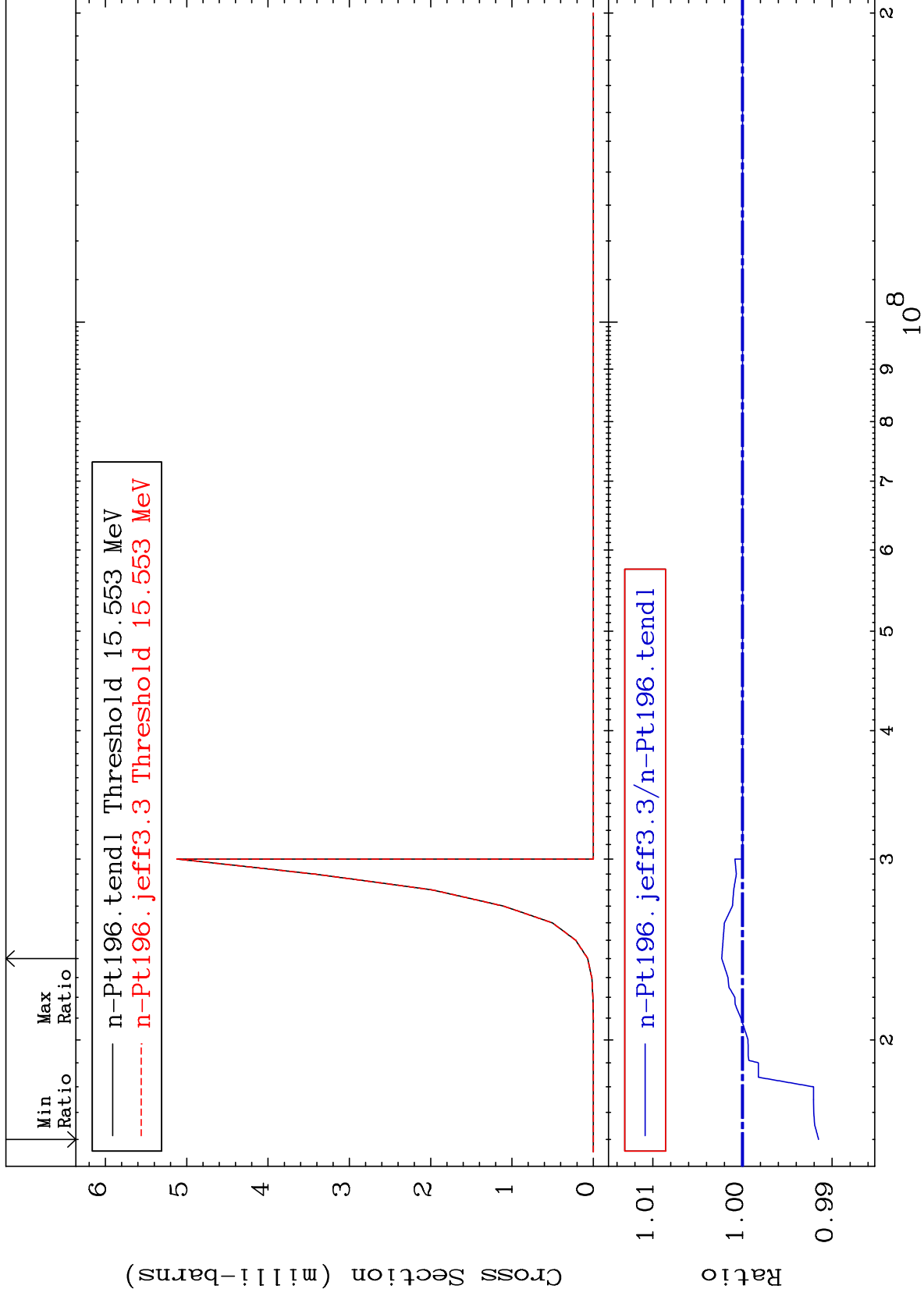
MAT 7843

(n, 4n): 78-Pt-193m5

78-Pt-196

Radionuclide Production Cross Section 0.000 To 0.925 %



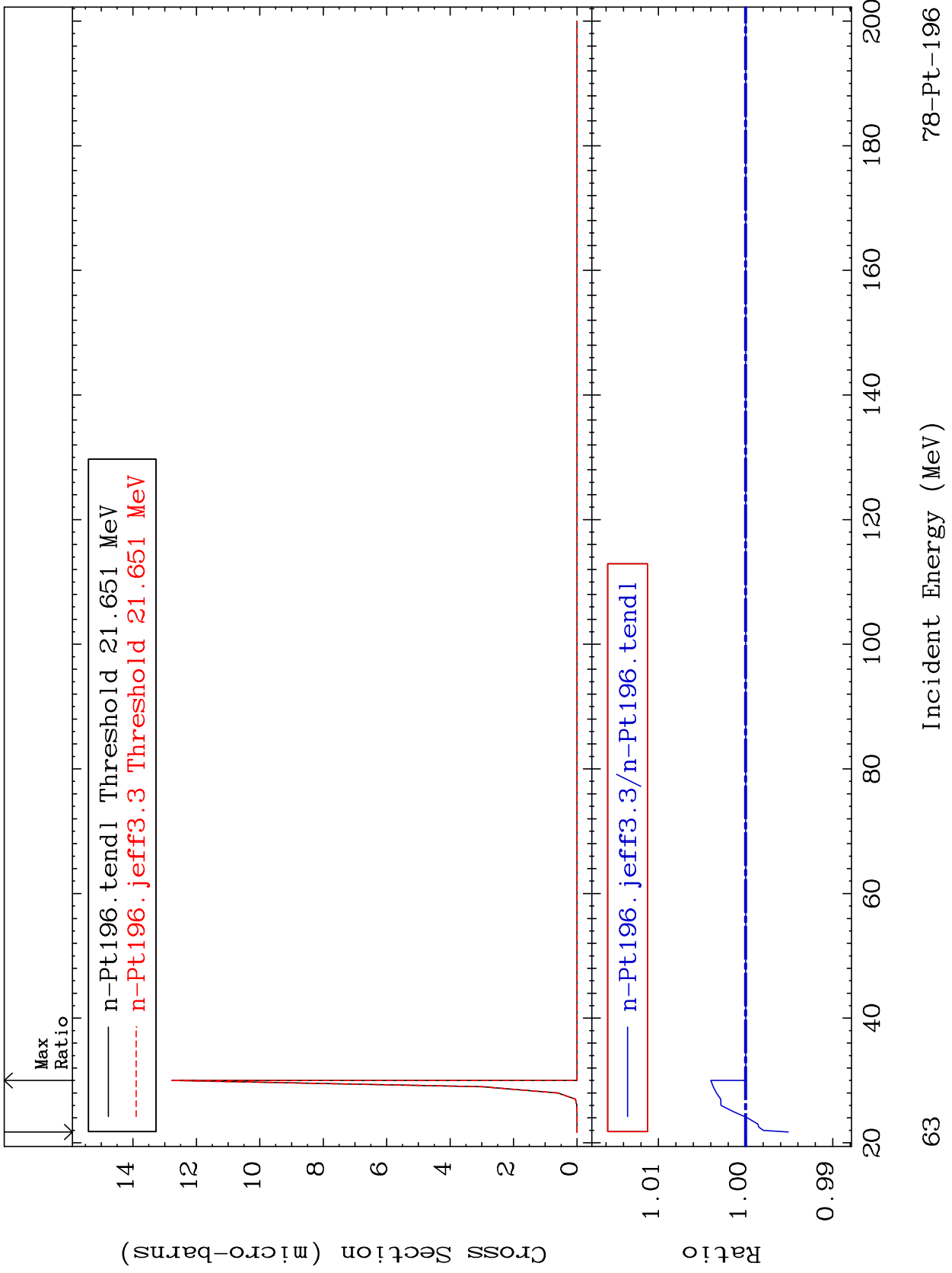


MAT 7843

(n,3n) p: 77-Ir-193g

78-Pt-196

Radionuclide Production Cross Section -0.489 To 0.401 %



63

Incident Energy (MeV)

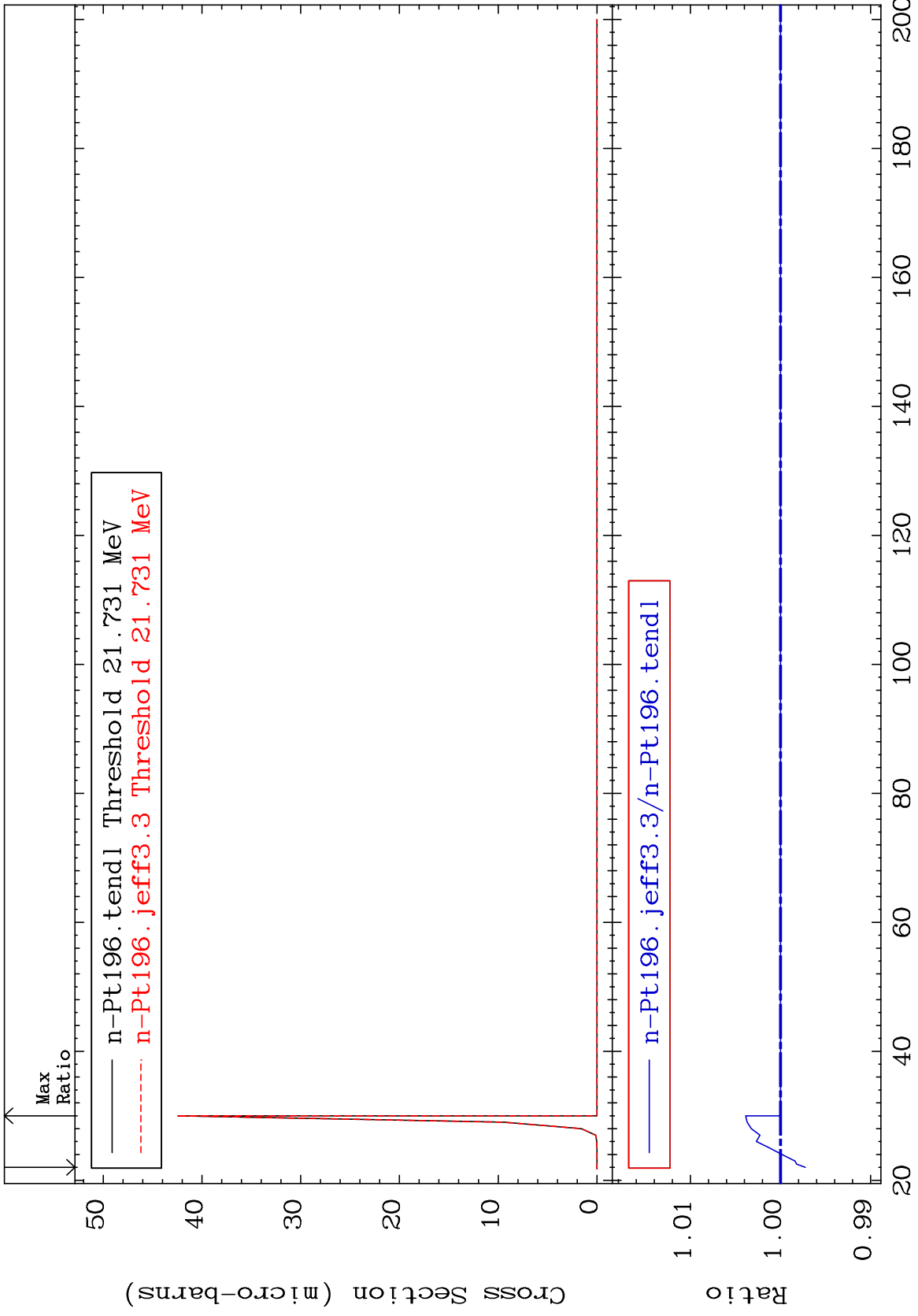
78-Pt-196

MAT 7843

(n,3n) p:77-Ir-193m2

78-Pt-196

Radionuclide Production Cross Section -0.274 To 0.388 %



64

Incident Energy (MeV)

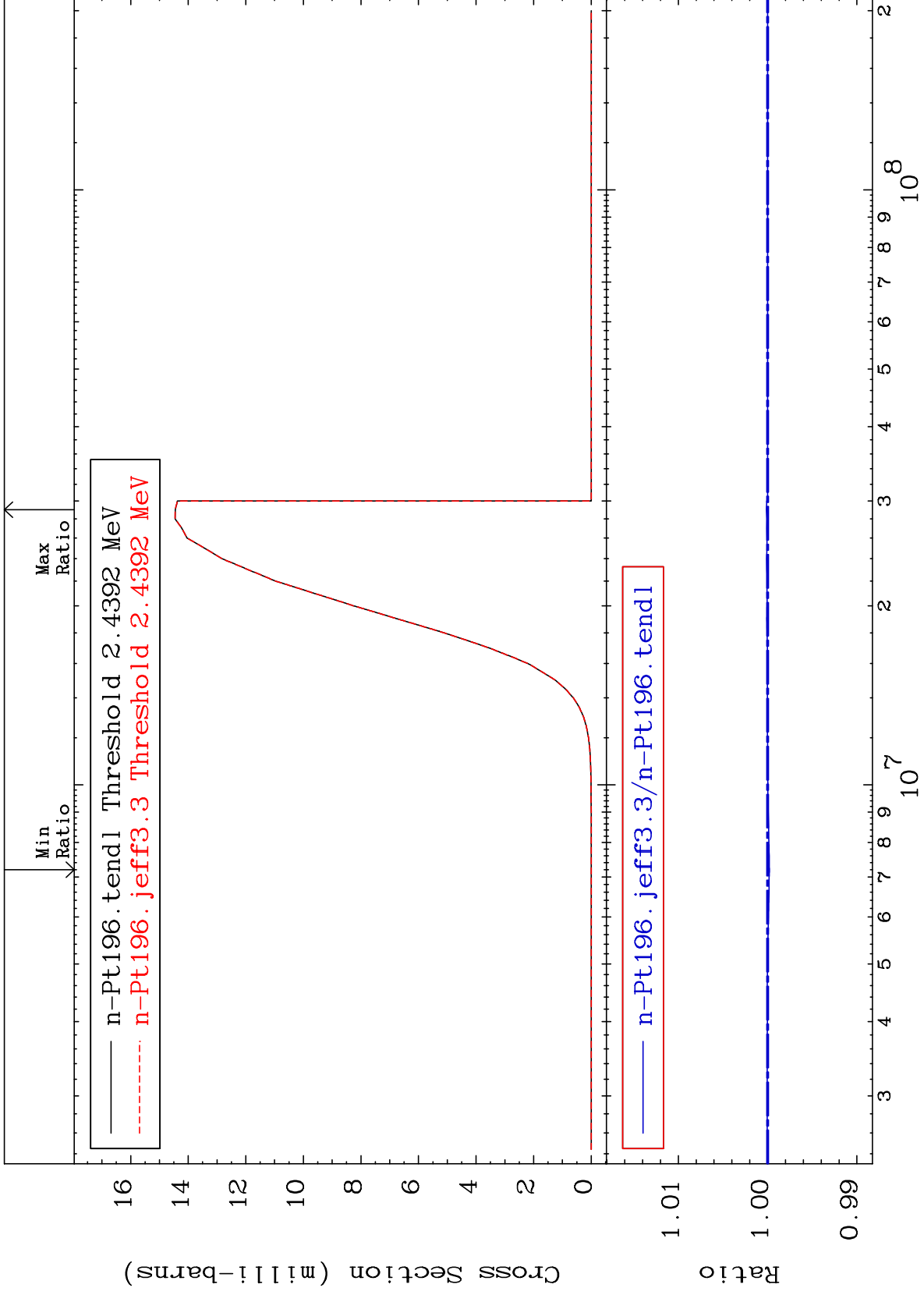
78-Pt-196

MAT 7843

(n, p) : 77-Ir-196g

78-Pt-196

Radionuclide Production Cross Section -0.021 To 0.014 %



65

Incident Energy (eV)

78-Pt-196

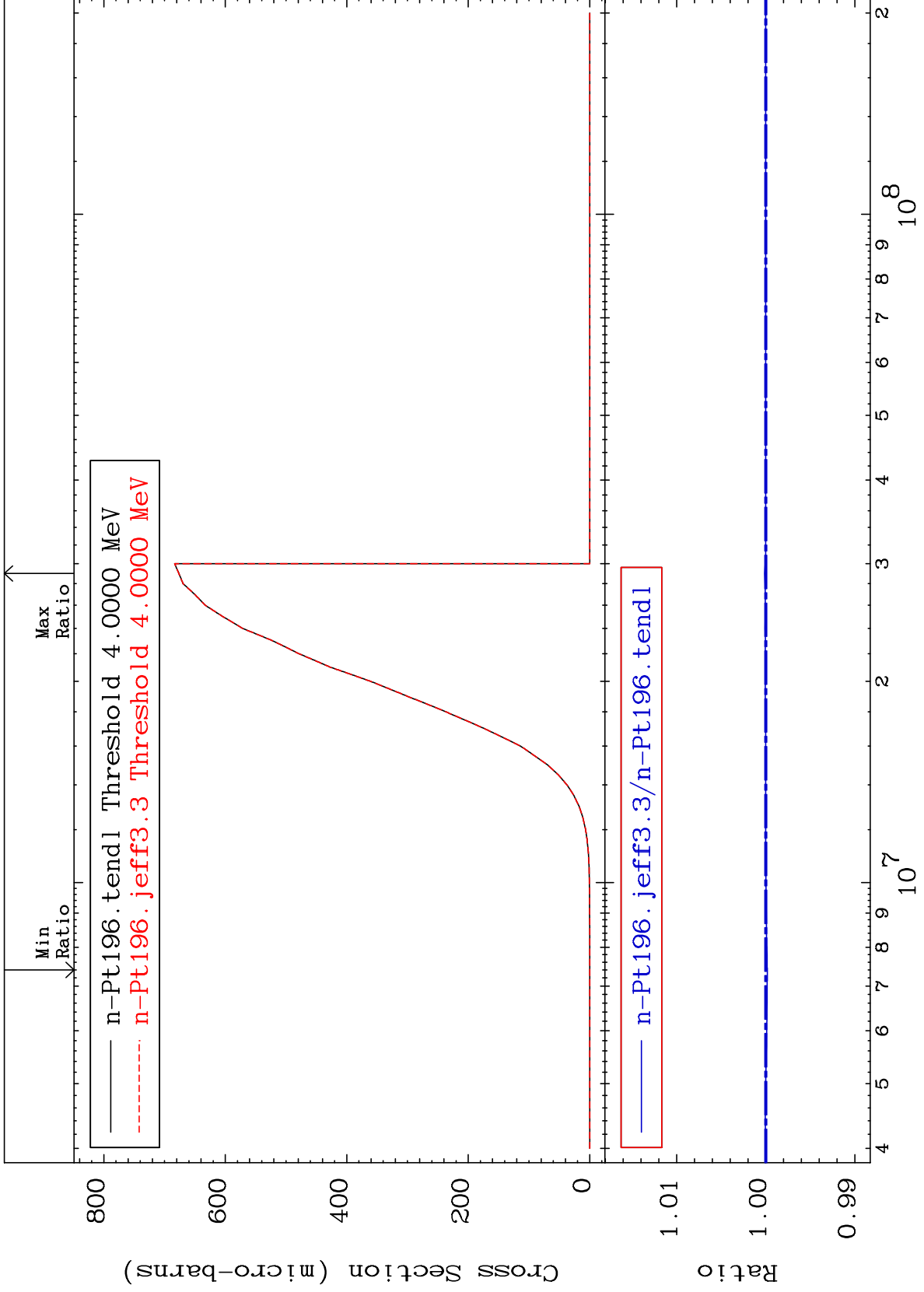
MAT 7843

(n, p) : 77-Ir-196m4

78-Pt-196

Radionuclide Production Cross Section

-0.018 To 0.013 %



66

Incident Energy (eV)

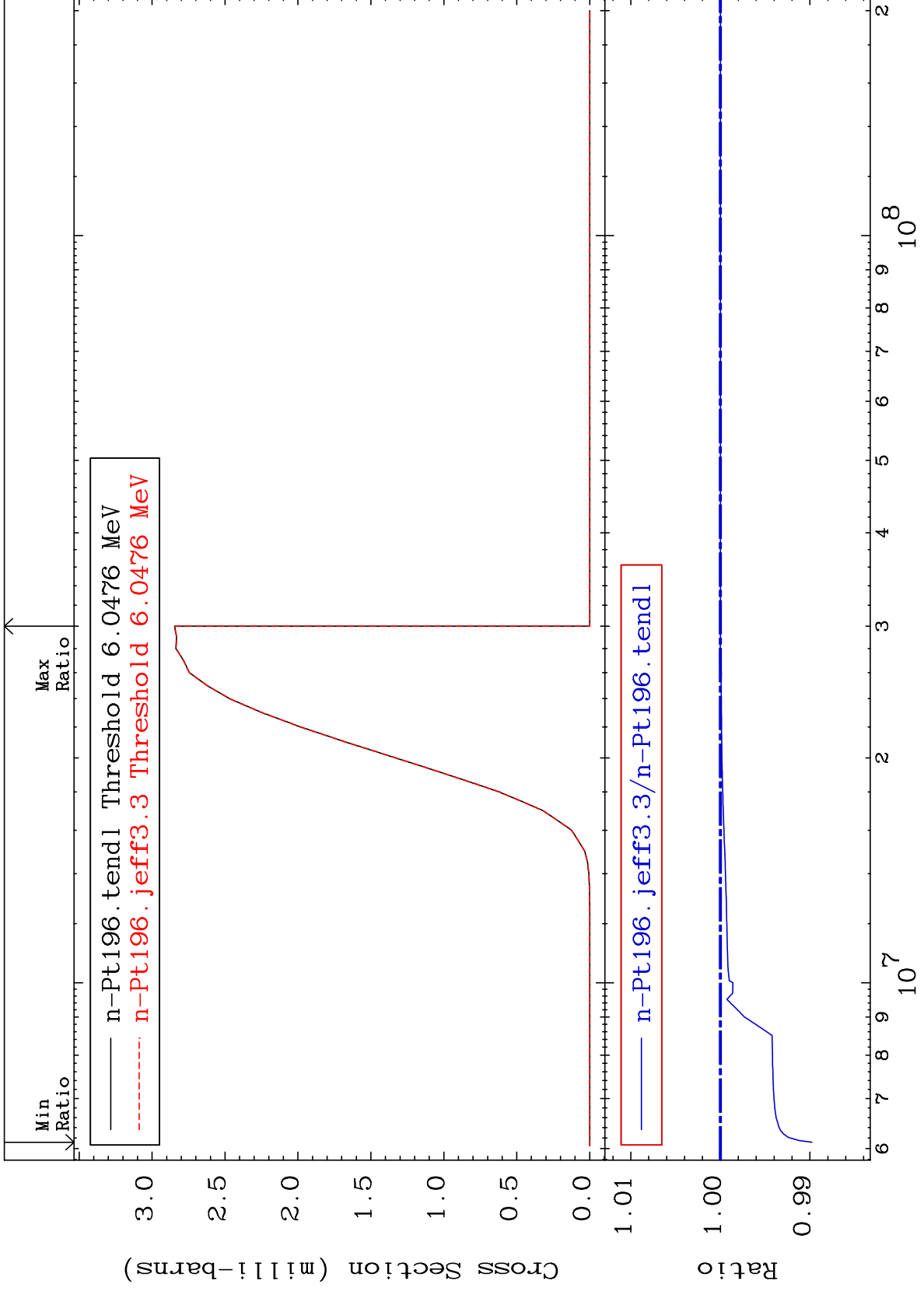
78-Pt-196

MAT 7843

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

78-Pt-196

Radionuclide Production Cross Section -1.022 To 0.003 %



67

Incident Energy (eV)

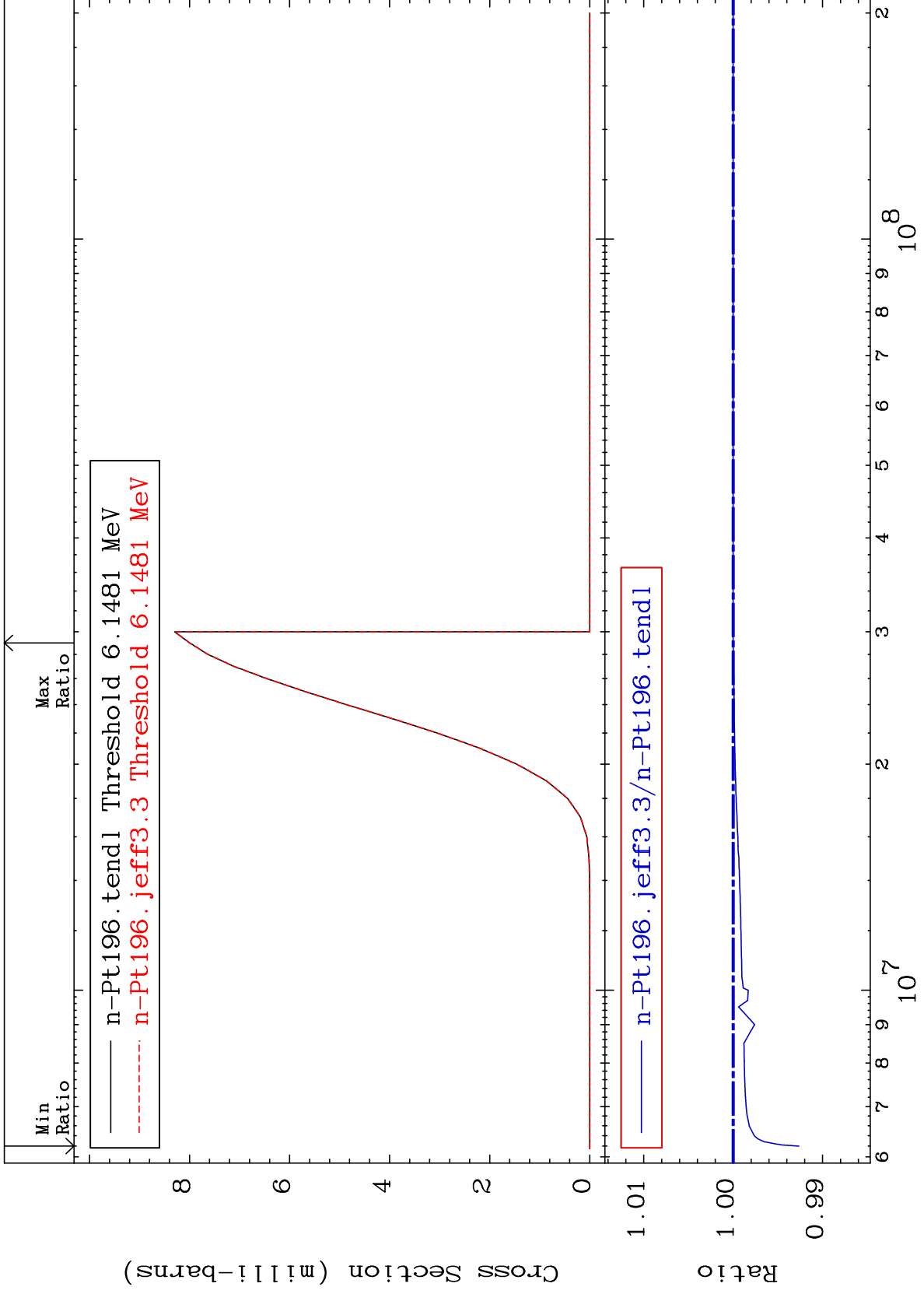
78-Pt-196

MAT 7843

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

78-Pt-196

Radionuclide Production Cross Section -0.735 To 0.000 %



68

Incident Energy (eV)

78-Pt-196

MAT 7843

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

78-Pt-196

Radionuclide Production Cross Section -0.926 To 0.051 %

