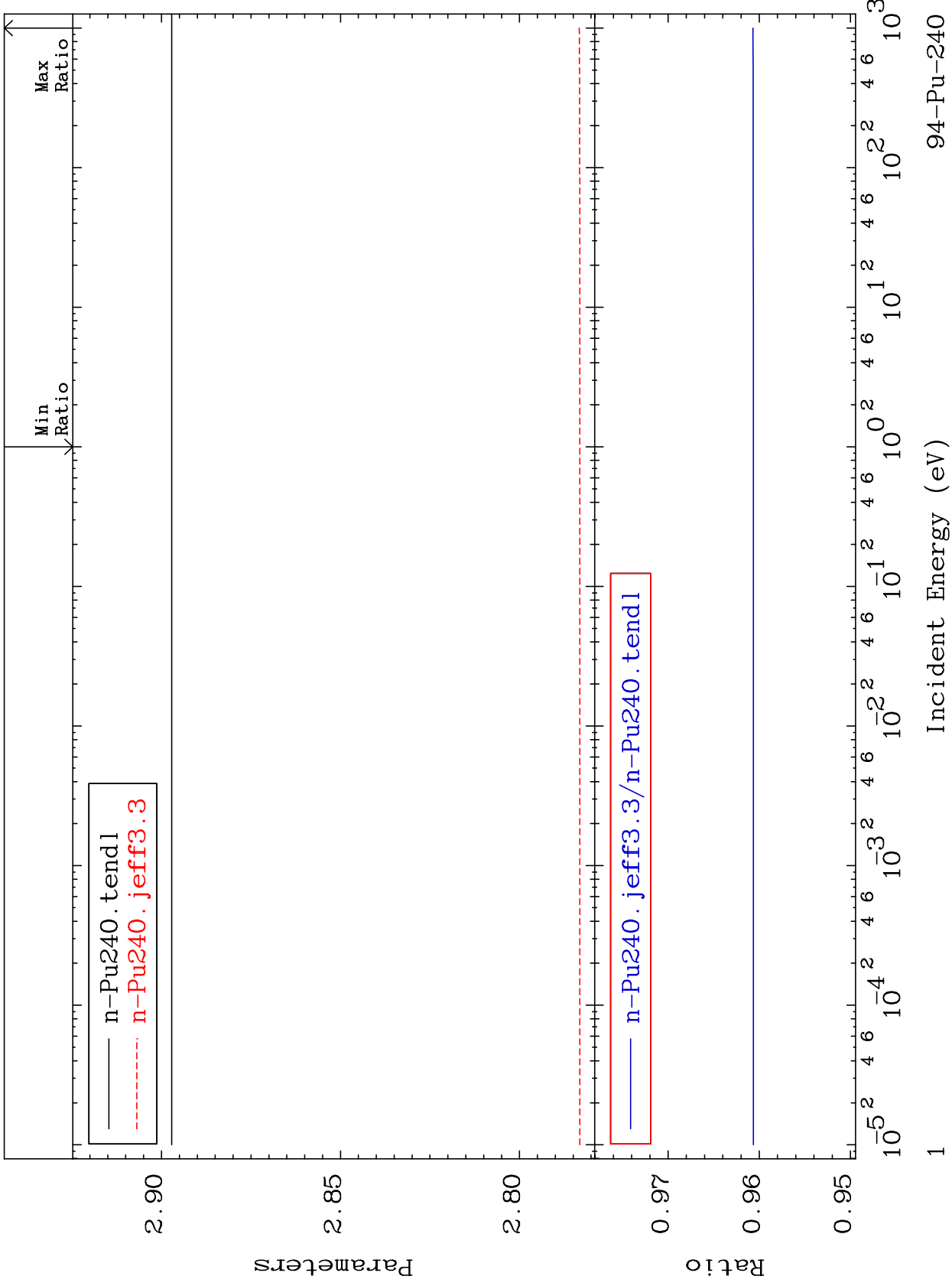


MAT 9440

Total $\bar{\nu}$
Parameters

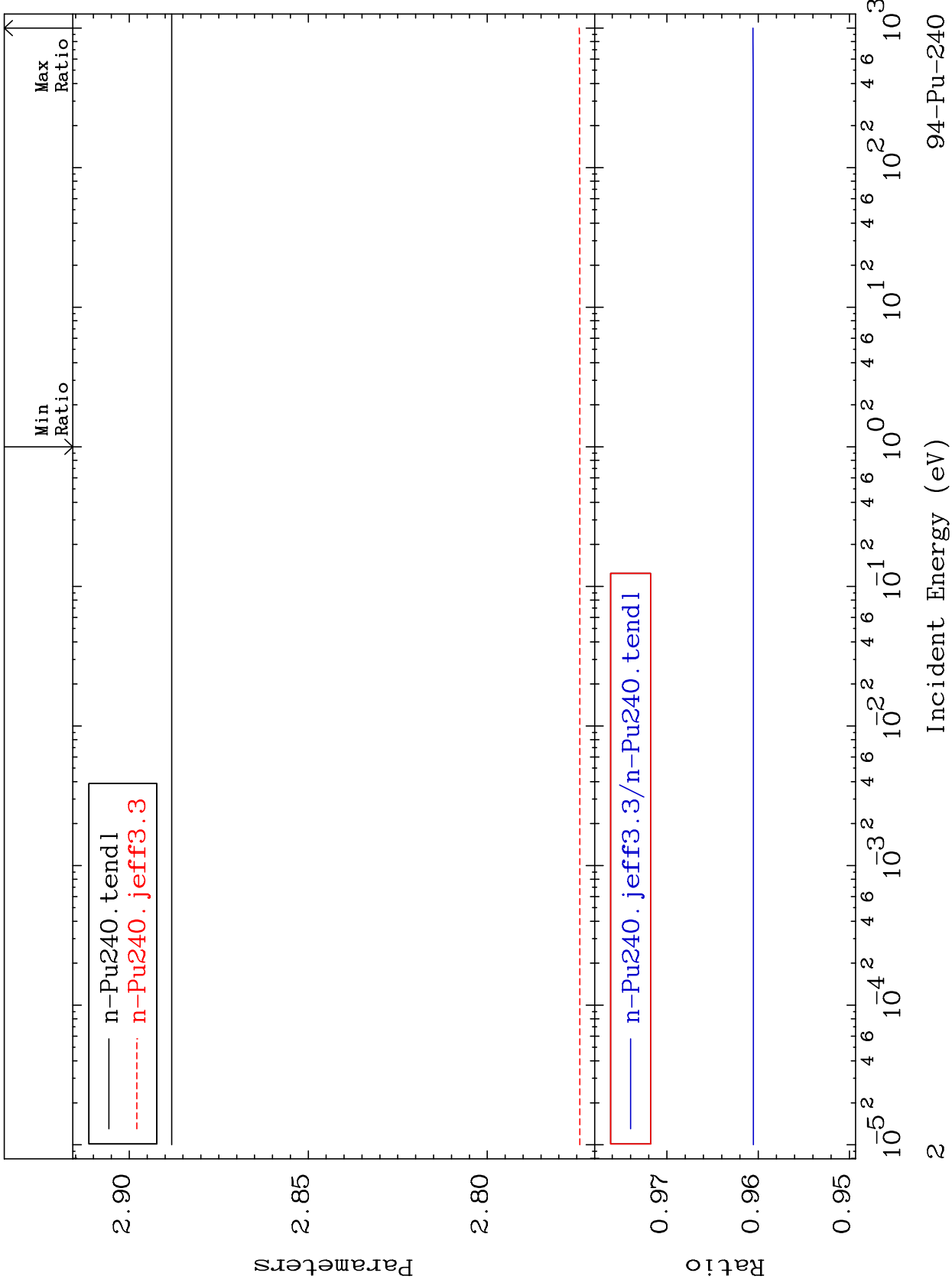
94-Pu-240
-3.934 To -3.930%

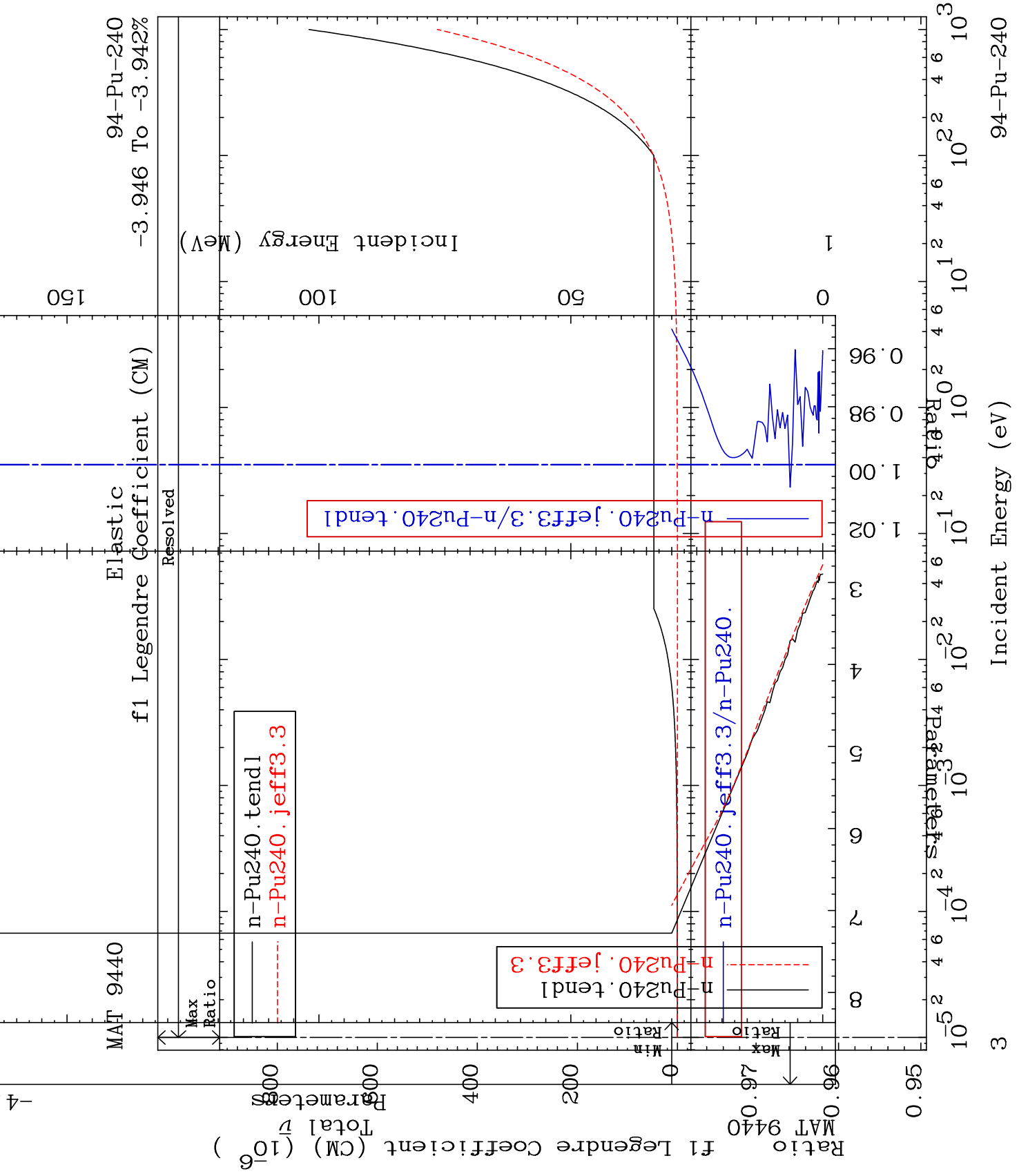


MAT 9440

Prompt $\bar{\nu}$
Parameters

94-Pu-240
-3.946 To -3.942%

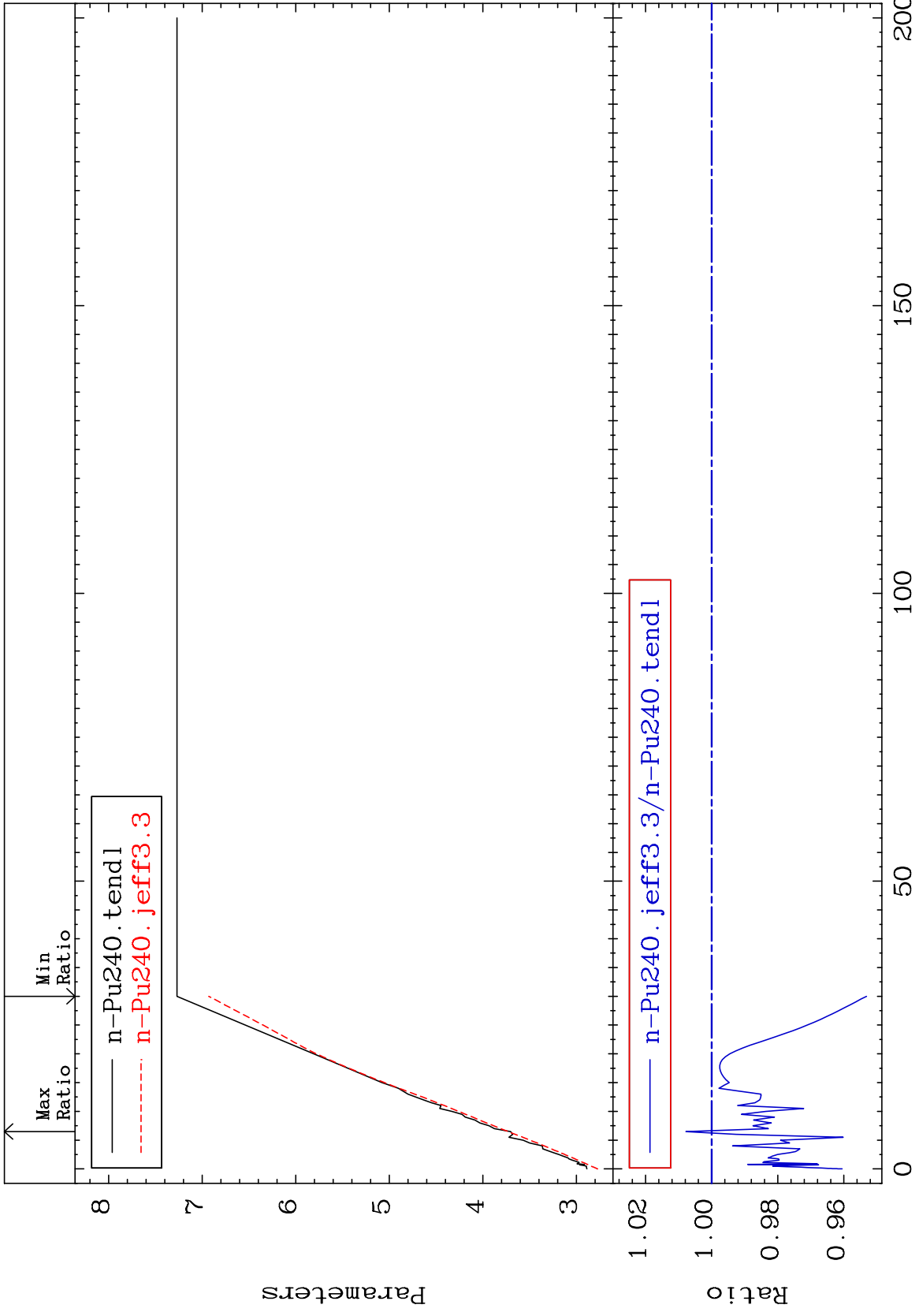




MAT 9440

Prompt $\bar{\nu}$
Parameters

94-Pu-240
-4.684 To 0.777 %



2

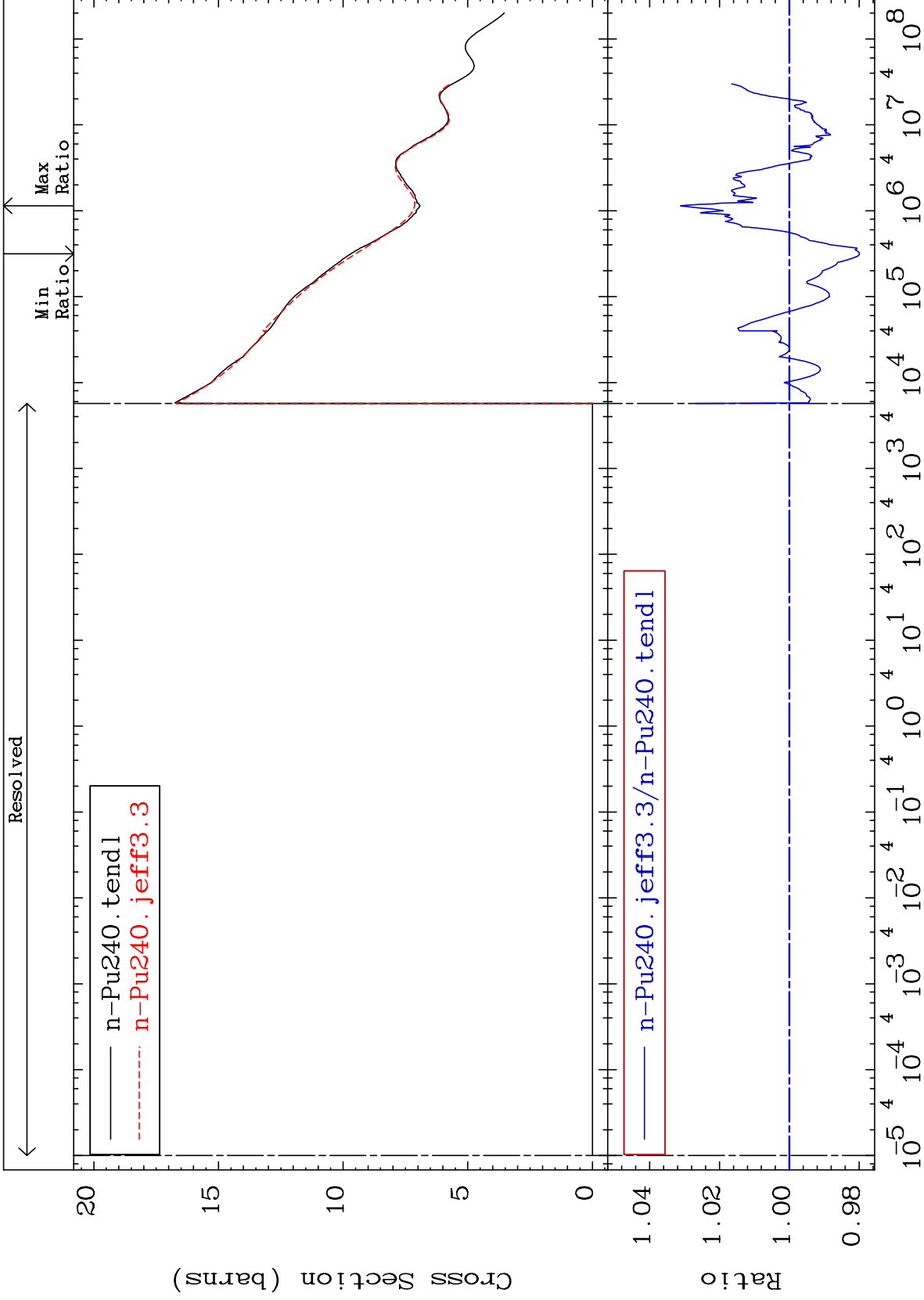
Incident Energy (MeV)

94-Pu-240

MAT 9440

Total
Cross Section

94-Pu-240
-2.006 To 3.126 %



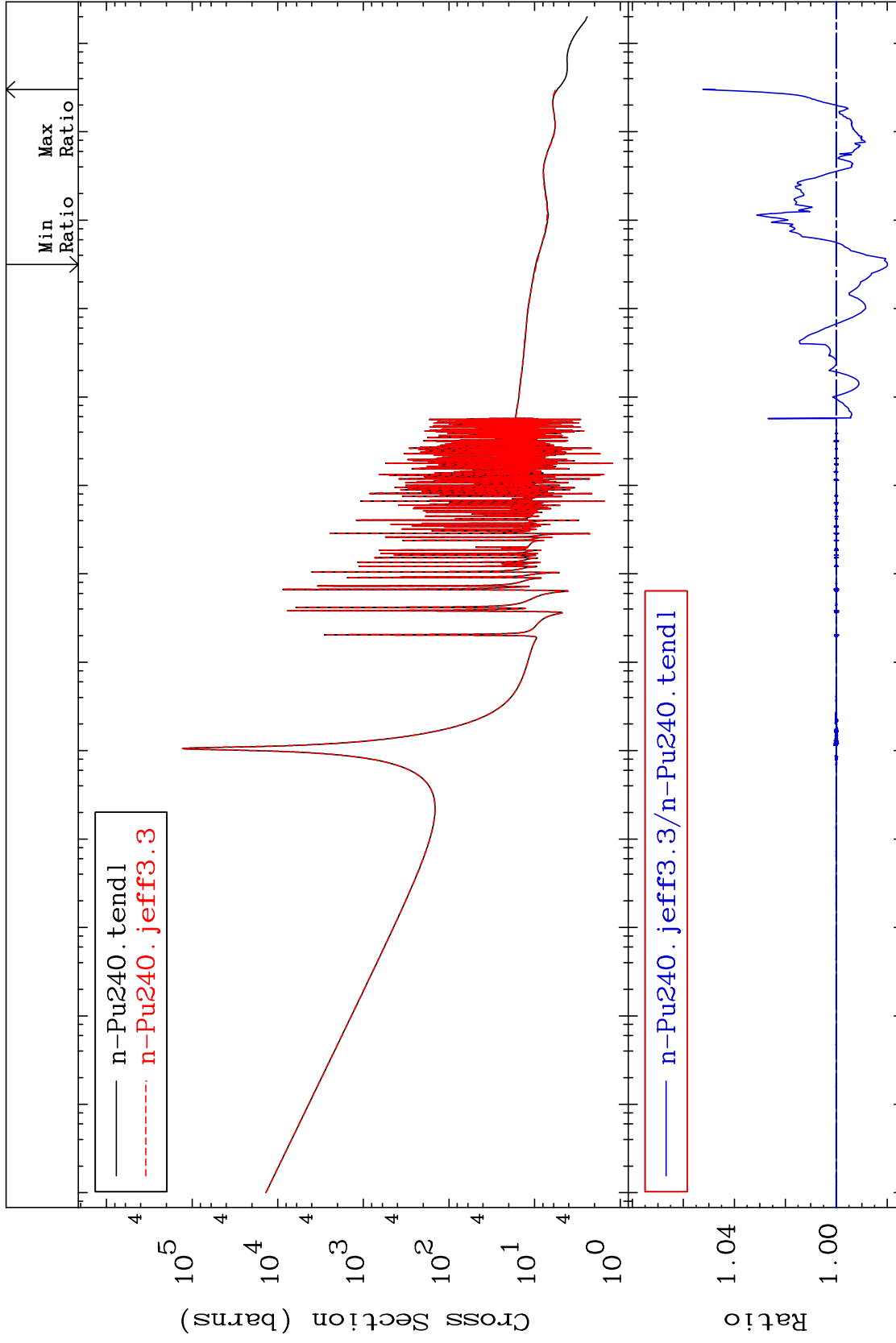
MAT 9440

Total

94-Pu-240

Cross Section

-2.006 To 5.234 %



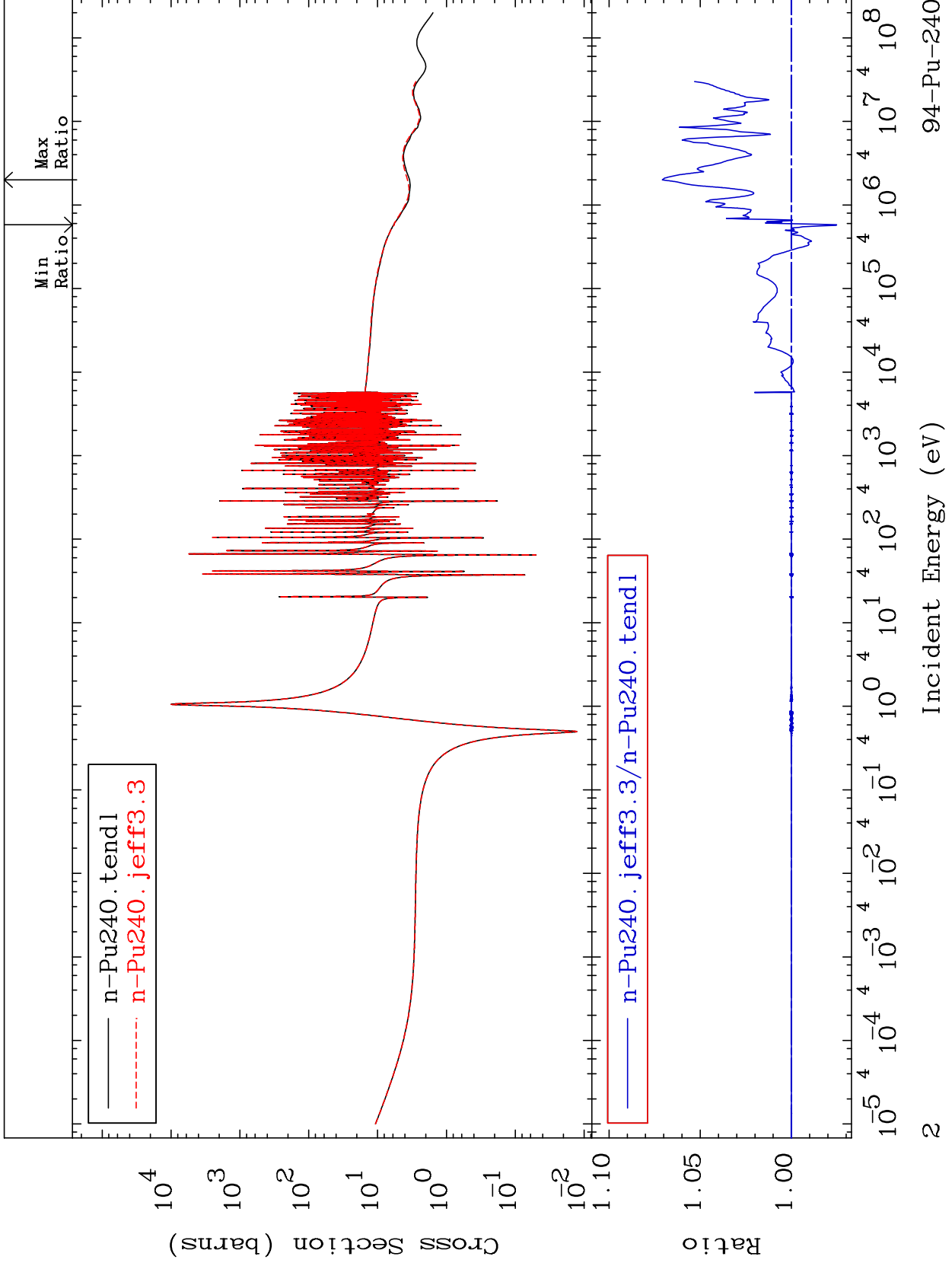
Incident Energy (eV)

94-Pu-240

MAT 9440

Elastic
Cross Section

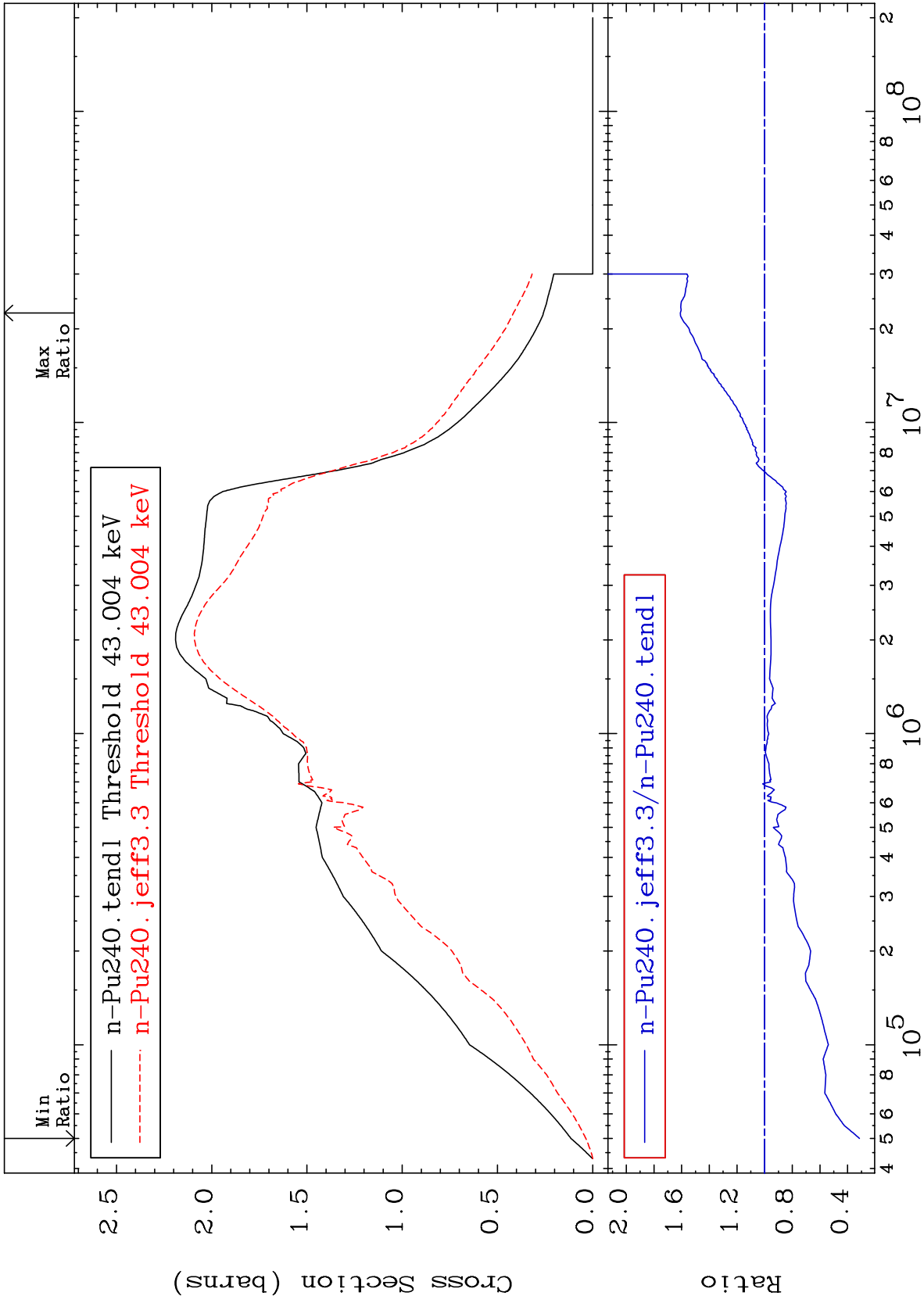
94-Pu-240
-2.479 To 7.079 %



MAT 9440

Inelastic
Cross Section

94-Pu-240
-68.56 To 60.91 %



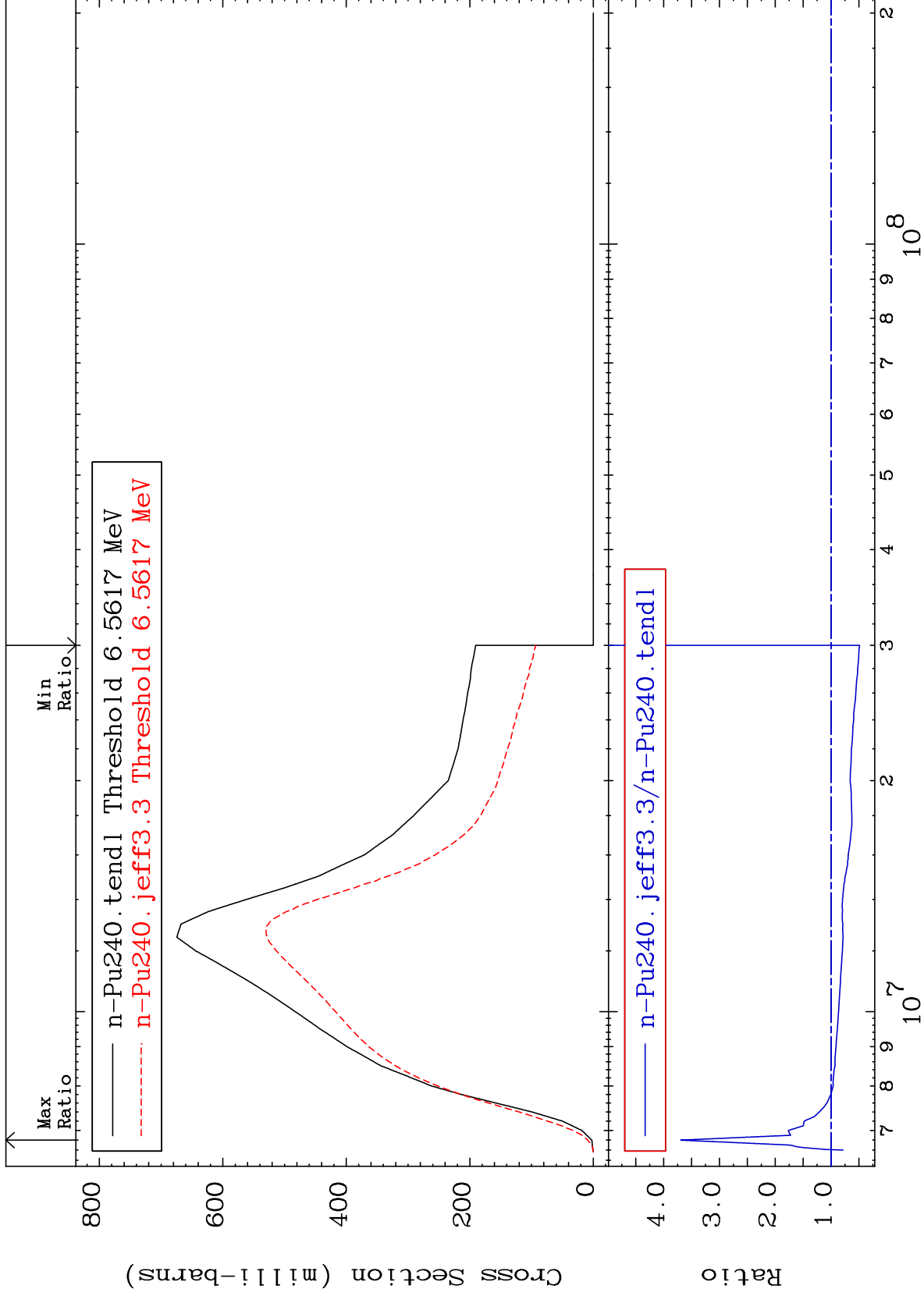
MAT 9440

(n,2n)

94-Pu-240

Cross Section

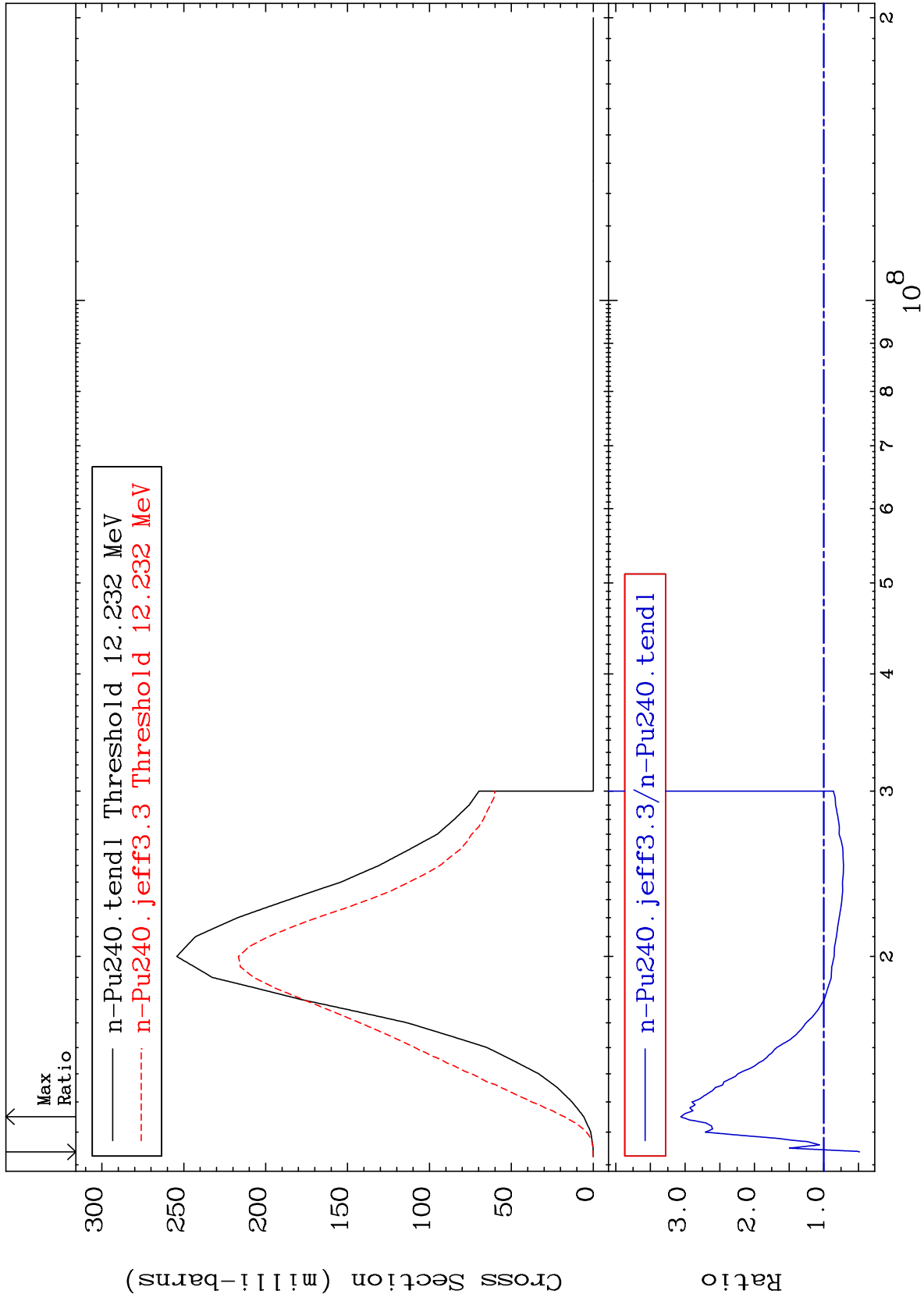
-51.10 To 269.4 %



MAT 9440

(n,3n)
Cross Section

94-Pu-240
-51.60 To 206.2 %



5

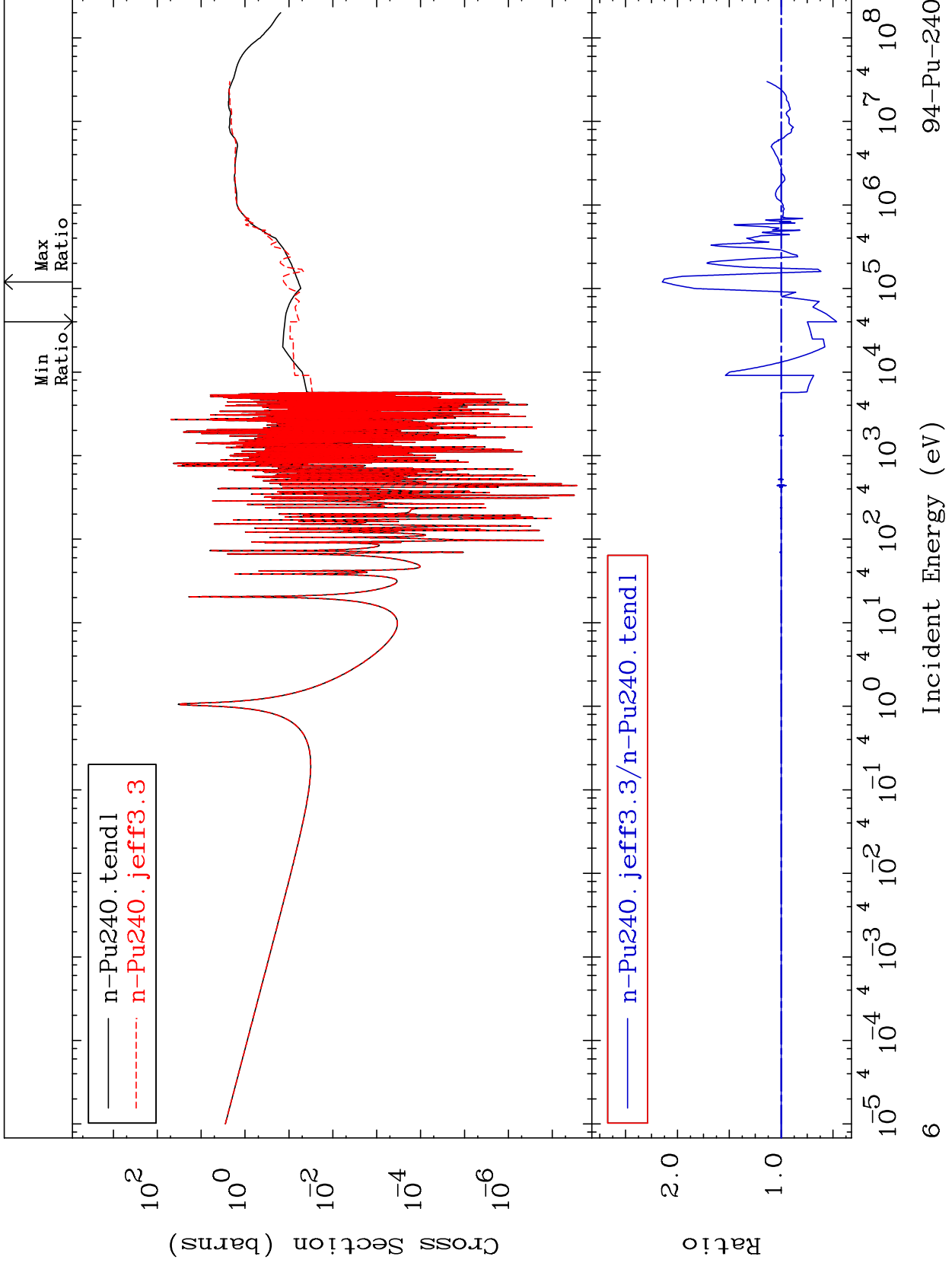
Incident Energy (eV)

94-Pu-240

MAT 9440

Fission
Cross Section

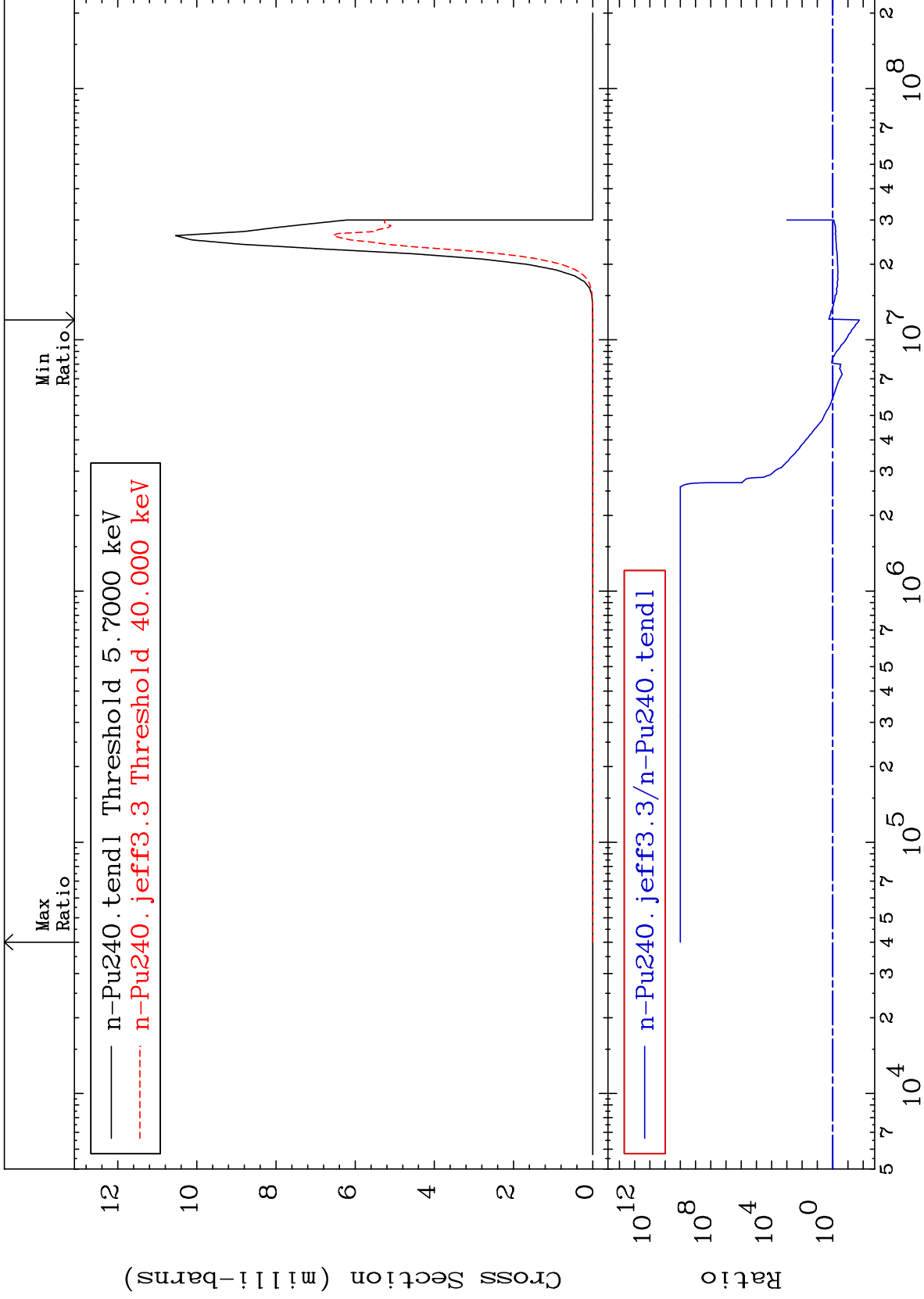
94-Pu-240
-53.44 To 114.6 %



MAT 9440

(n, n') α
Cross Section

94-Pu-240
-98.26 To 9999. %



7

Incident Energy (eV)

94-Pu-240

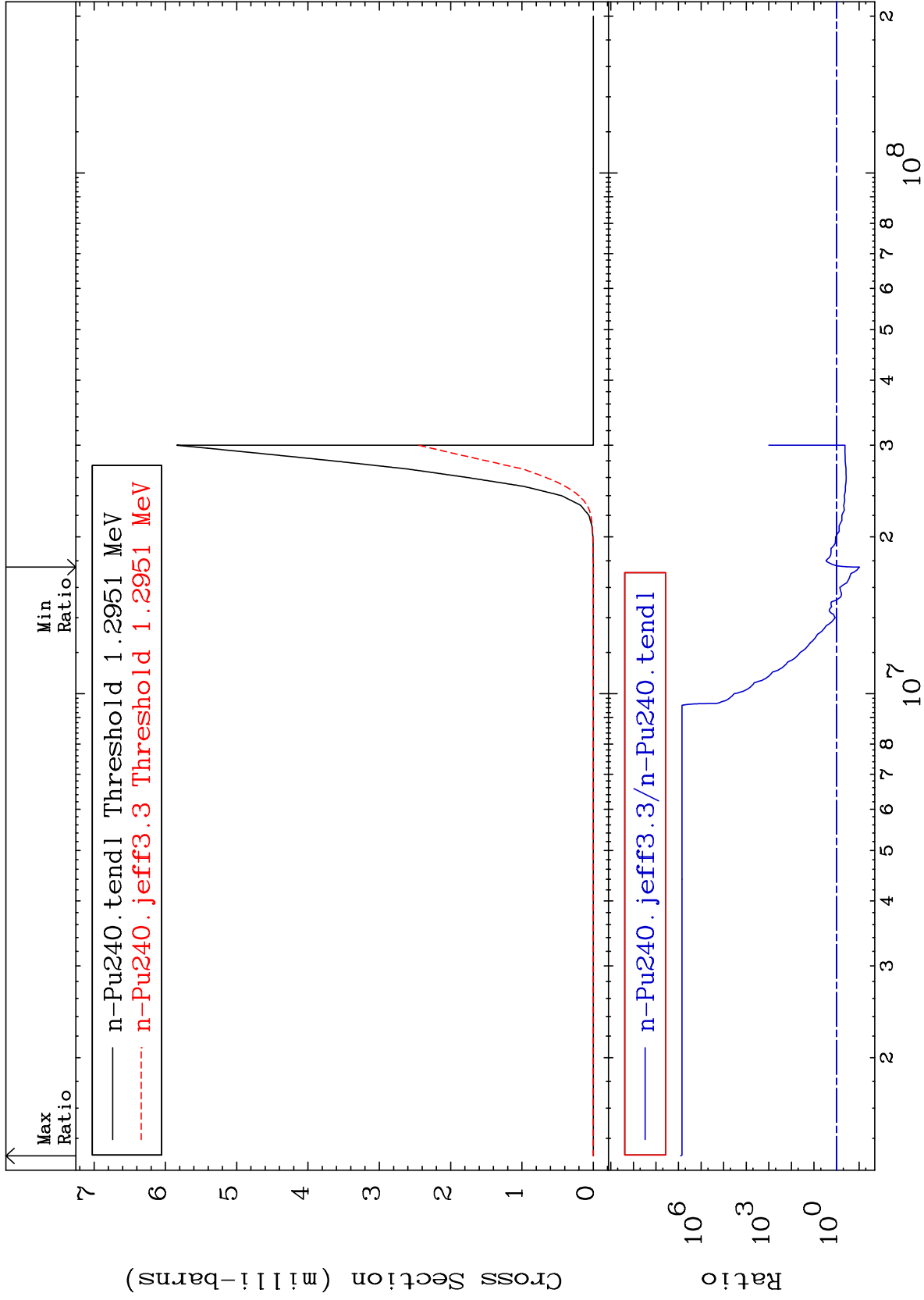
MAT 9440

(n,2n) α

94-Pu-240

Cross Section

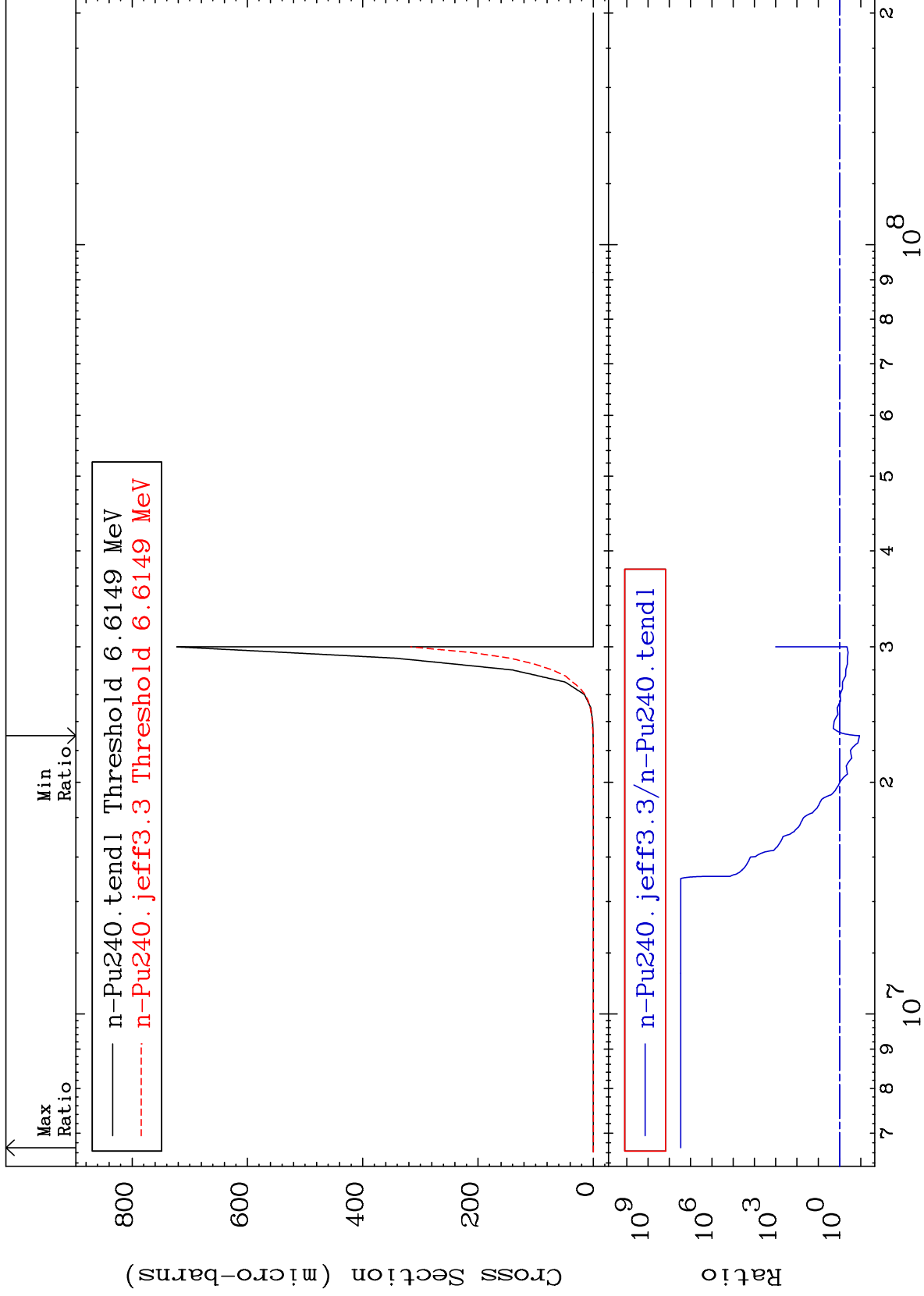
-90.48 To 9999. %



MAT 9440

(n,3n) α
Cross Section

94-Pu-240
-88.59 To 9999. %



9

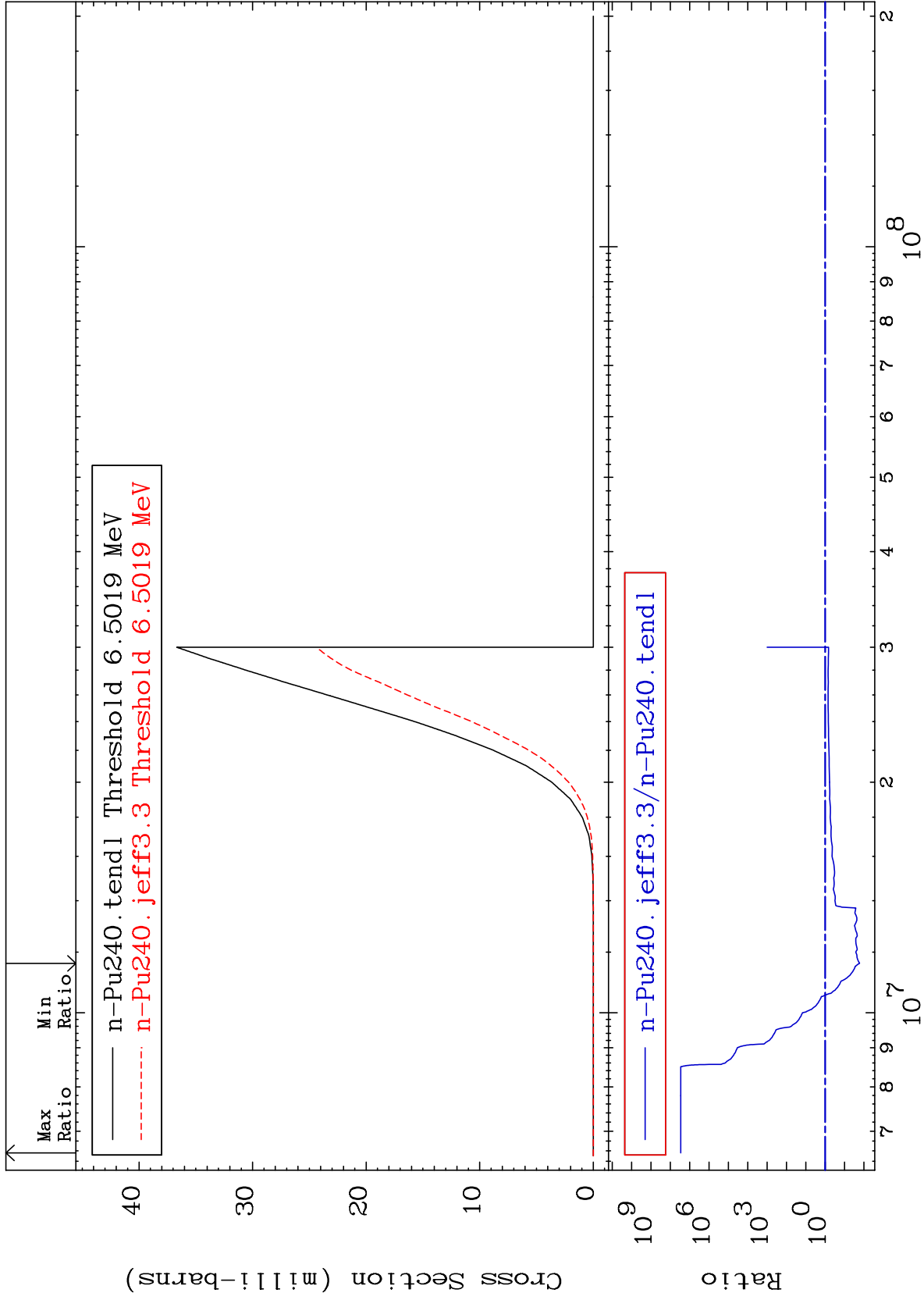
Incident Energy (eV)

94-Pu-240

MAT 9440

(n,n') p
Cross Section

94-Pu-240
-98.33 To 9999. %



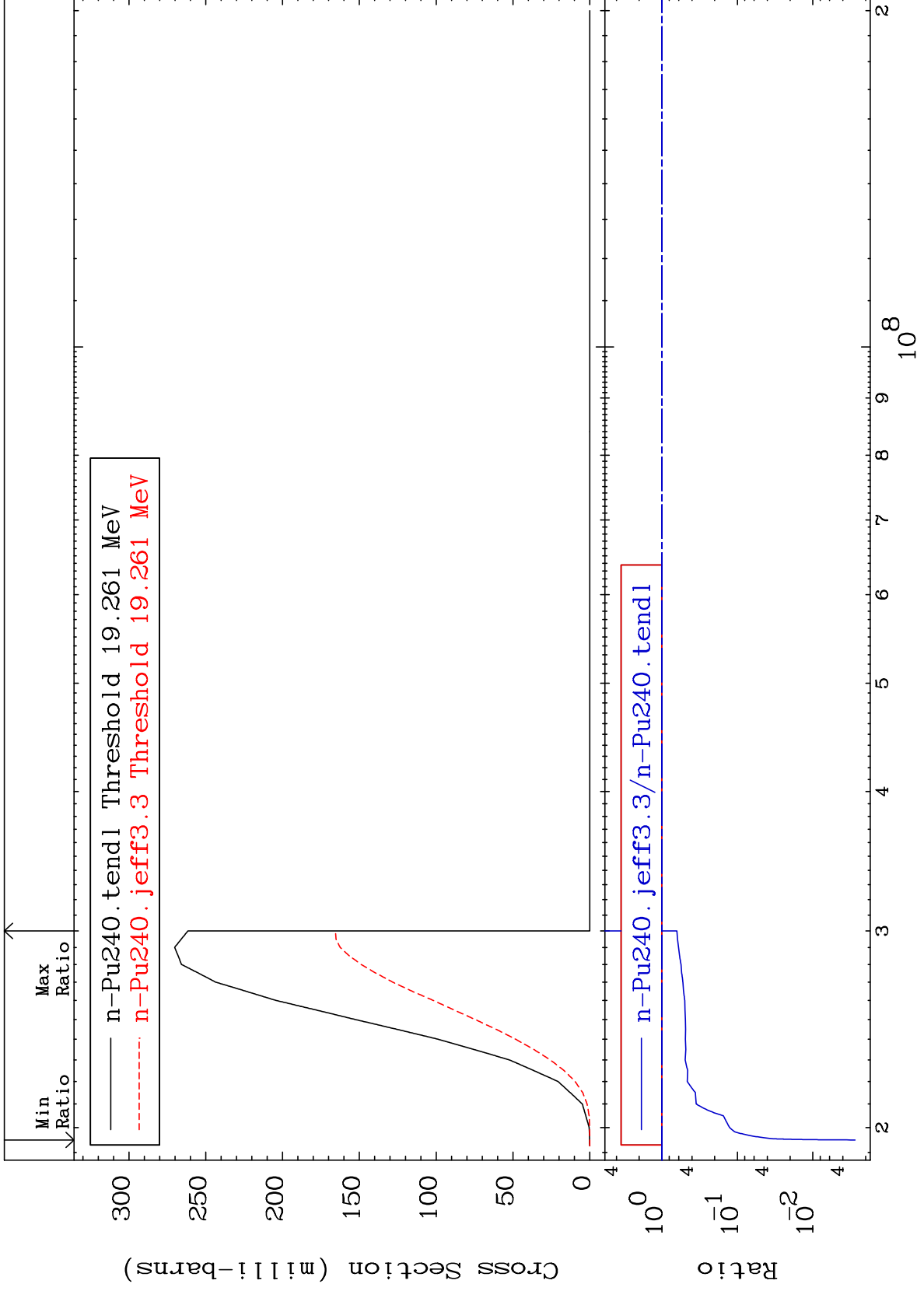
MAT 9440

(n, 4n)

94-Pu-240

Cross Section

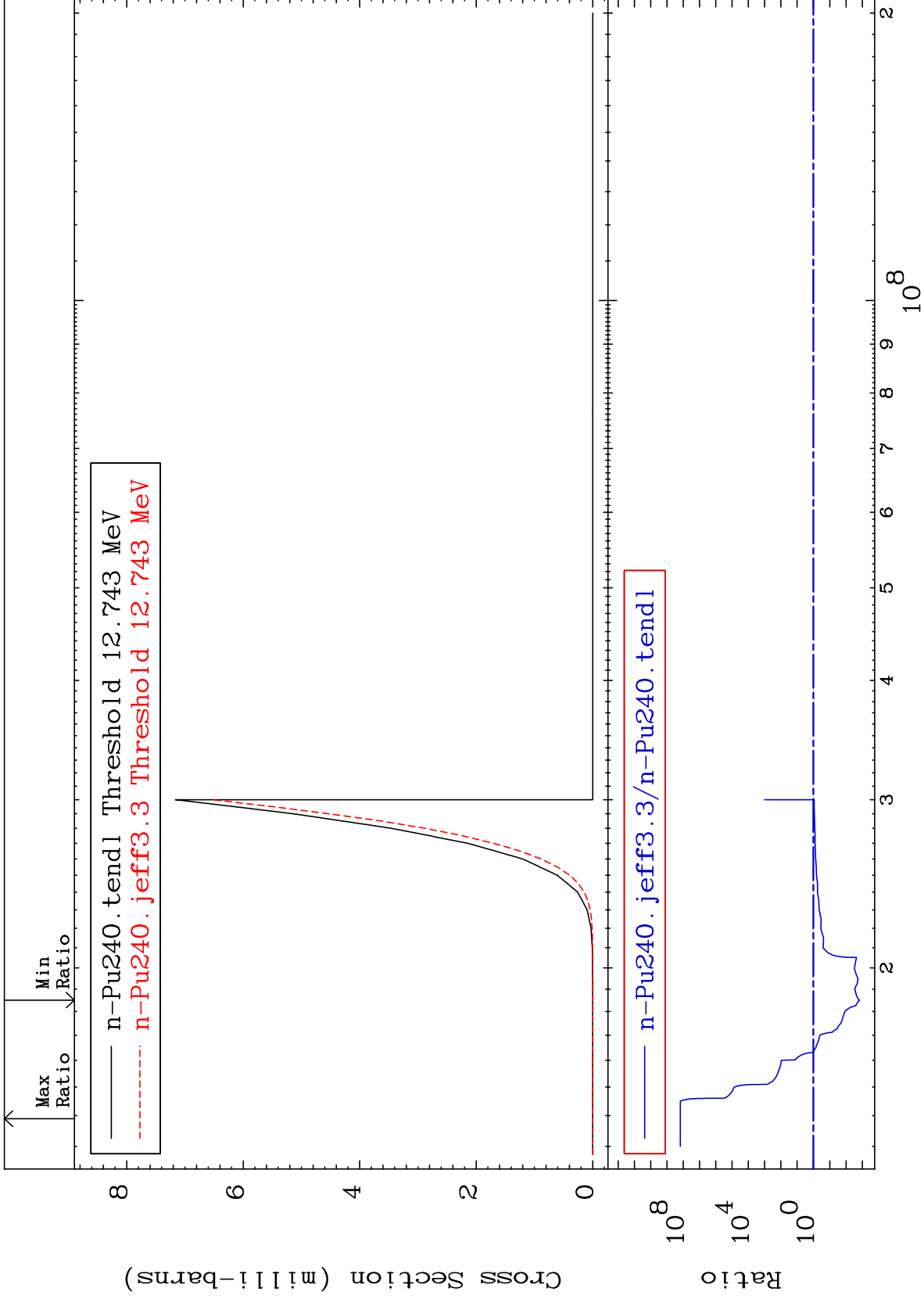
-99.72 To -36.73%

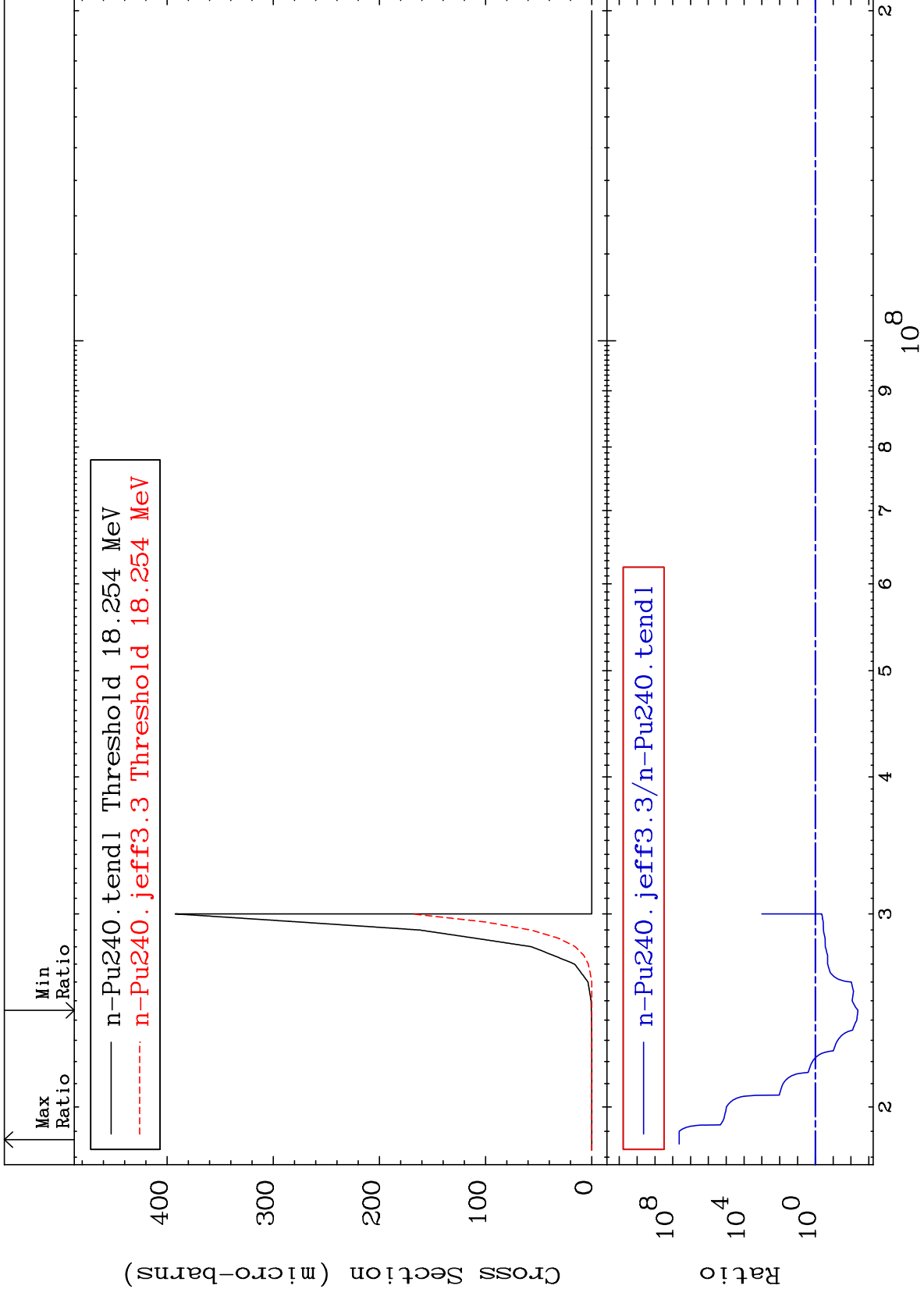


MAT 9440

(n,2n) p
Cross Section

94-Pu-240
-99.85 To 9999. %

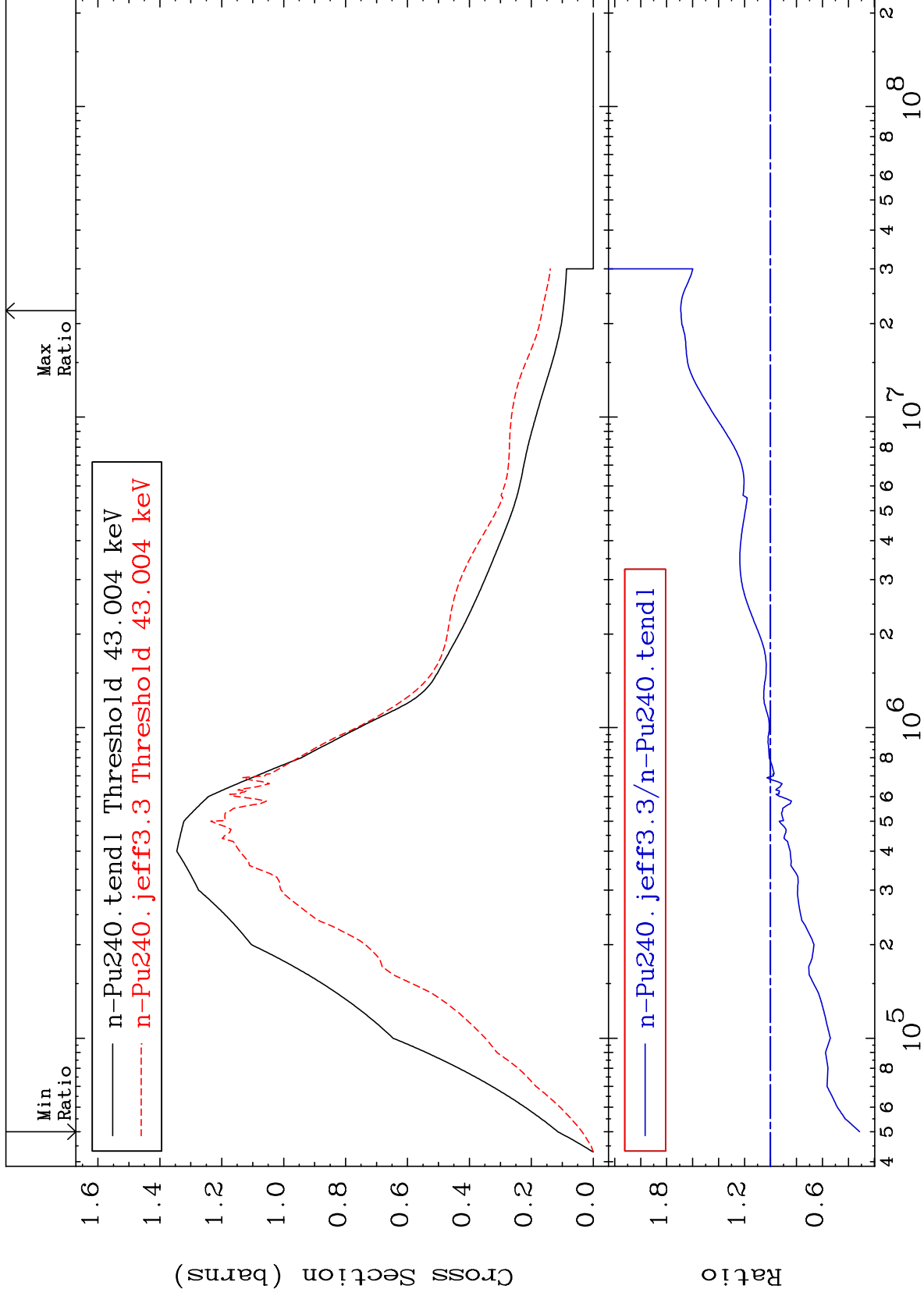




MAT 9440

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

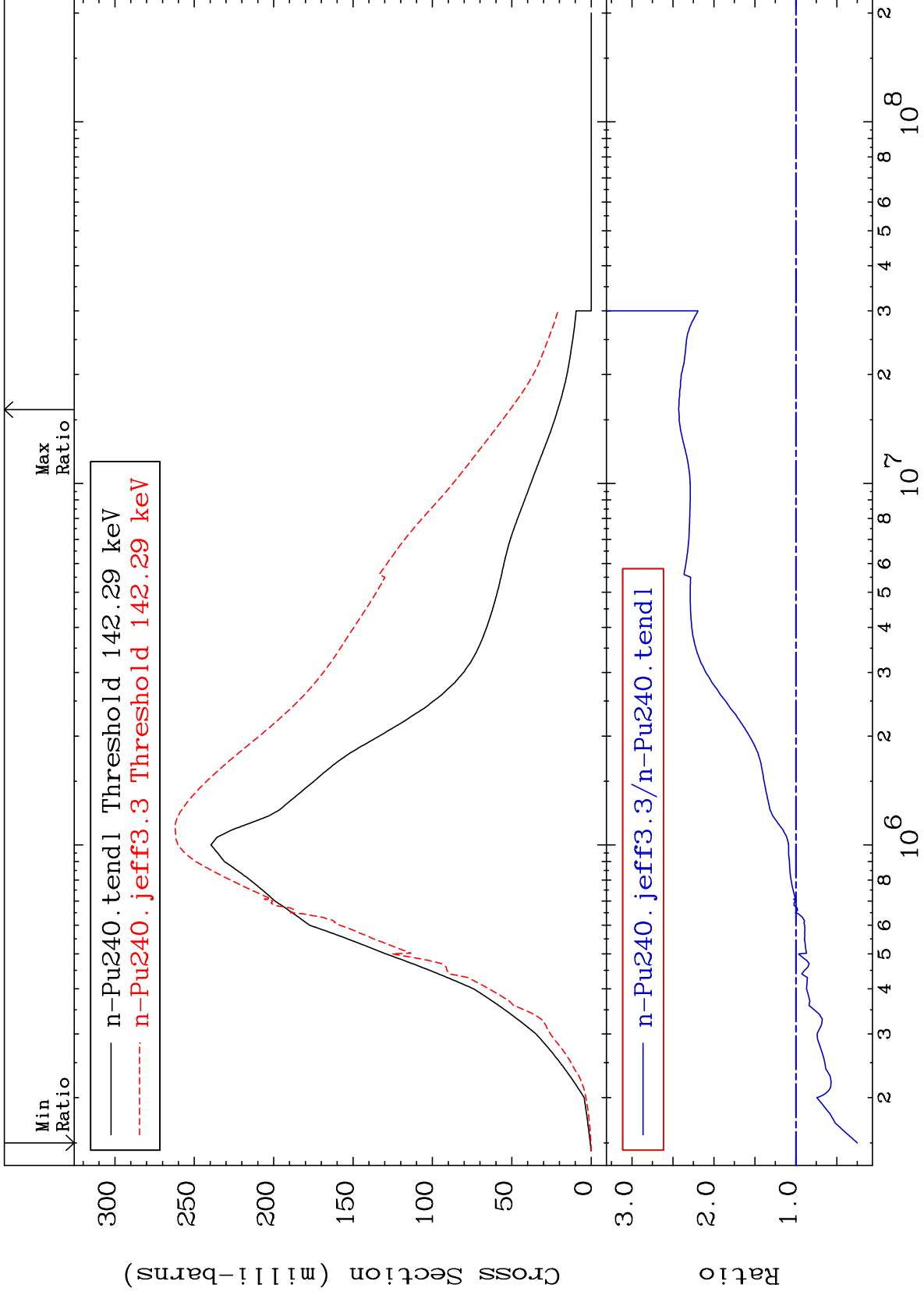
94-Pu-240
-68.56 To 69.14 %



MAT 9440

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

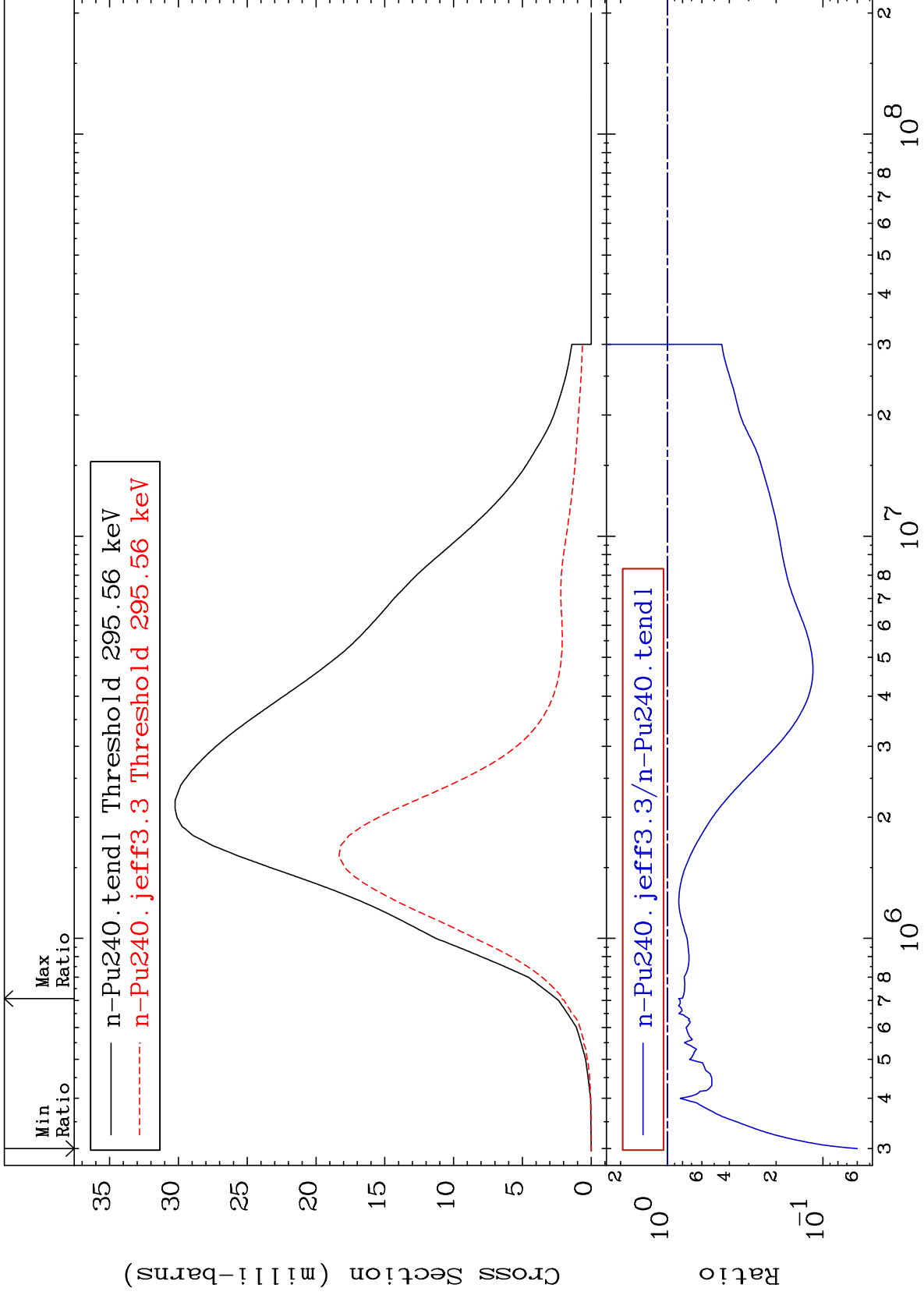
94-Pu-240
-74.96 To 143.0 %



MAT 9440

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

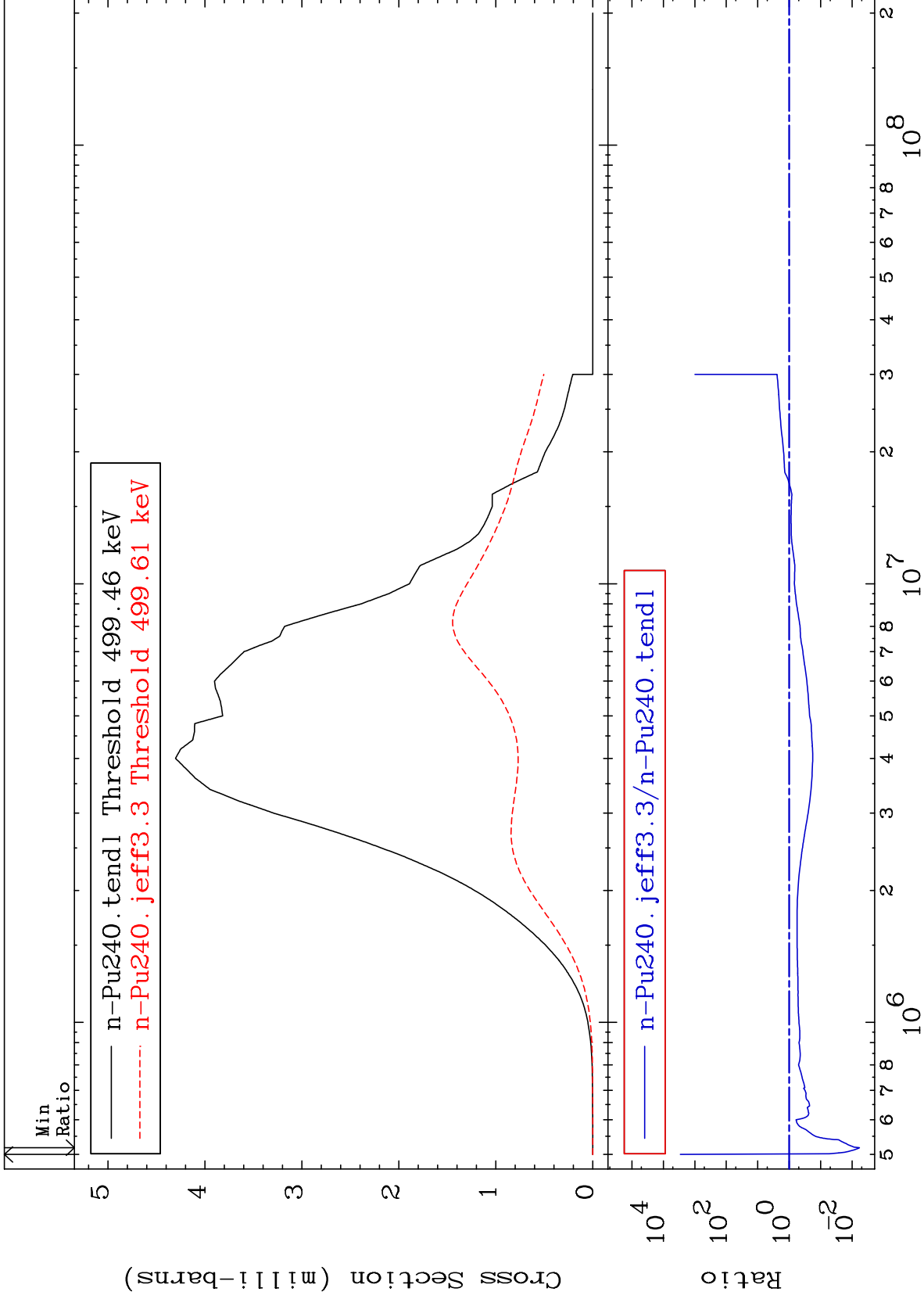
94-Pu-240
-93.99 To -15.28%



MAT 9440

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

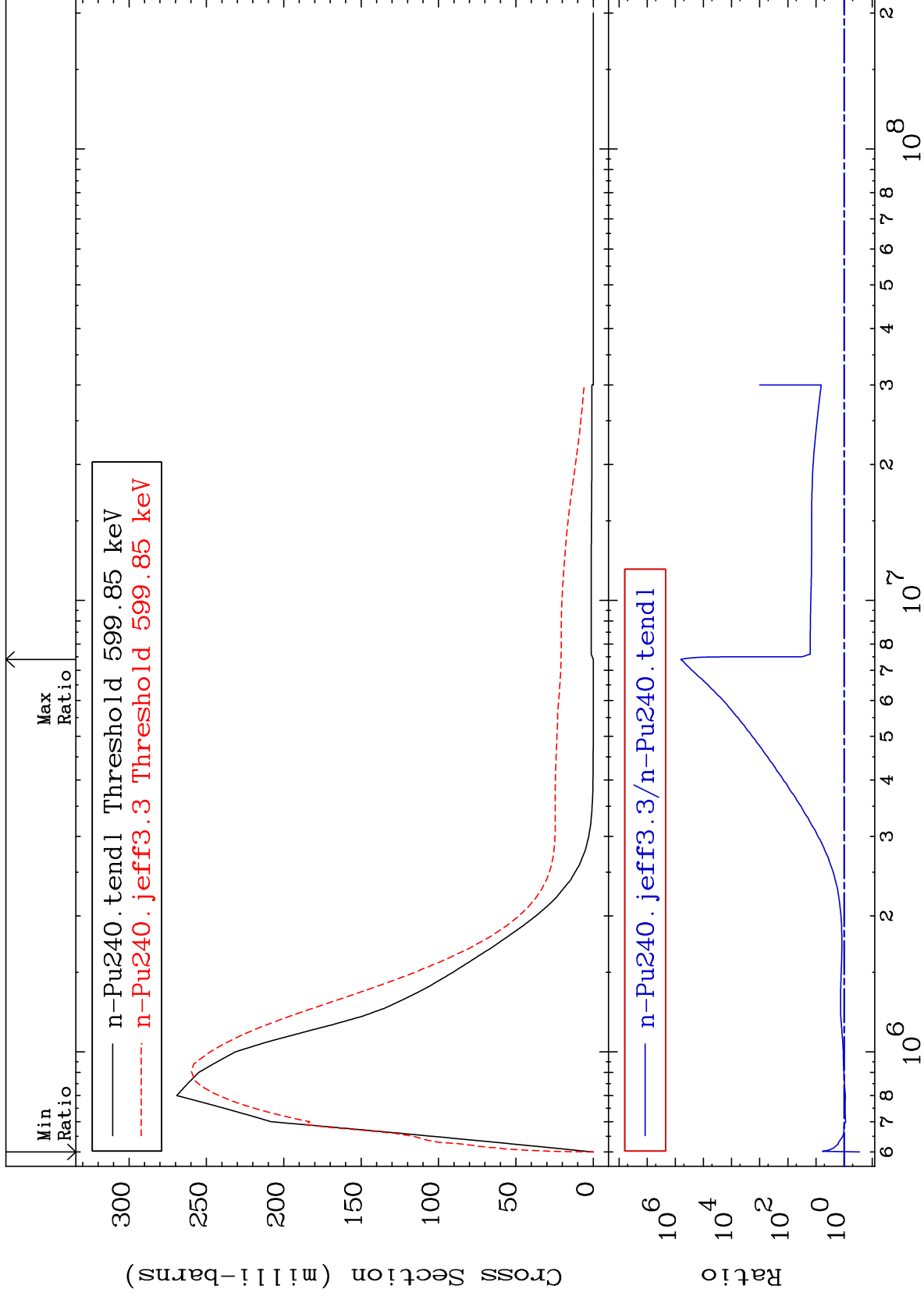
94-Pu-240
-99.41 To 9999. %



MAT 9440

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

94-Pu-240
-71.75 To 9999. %



18

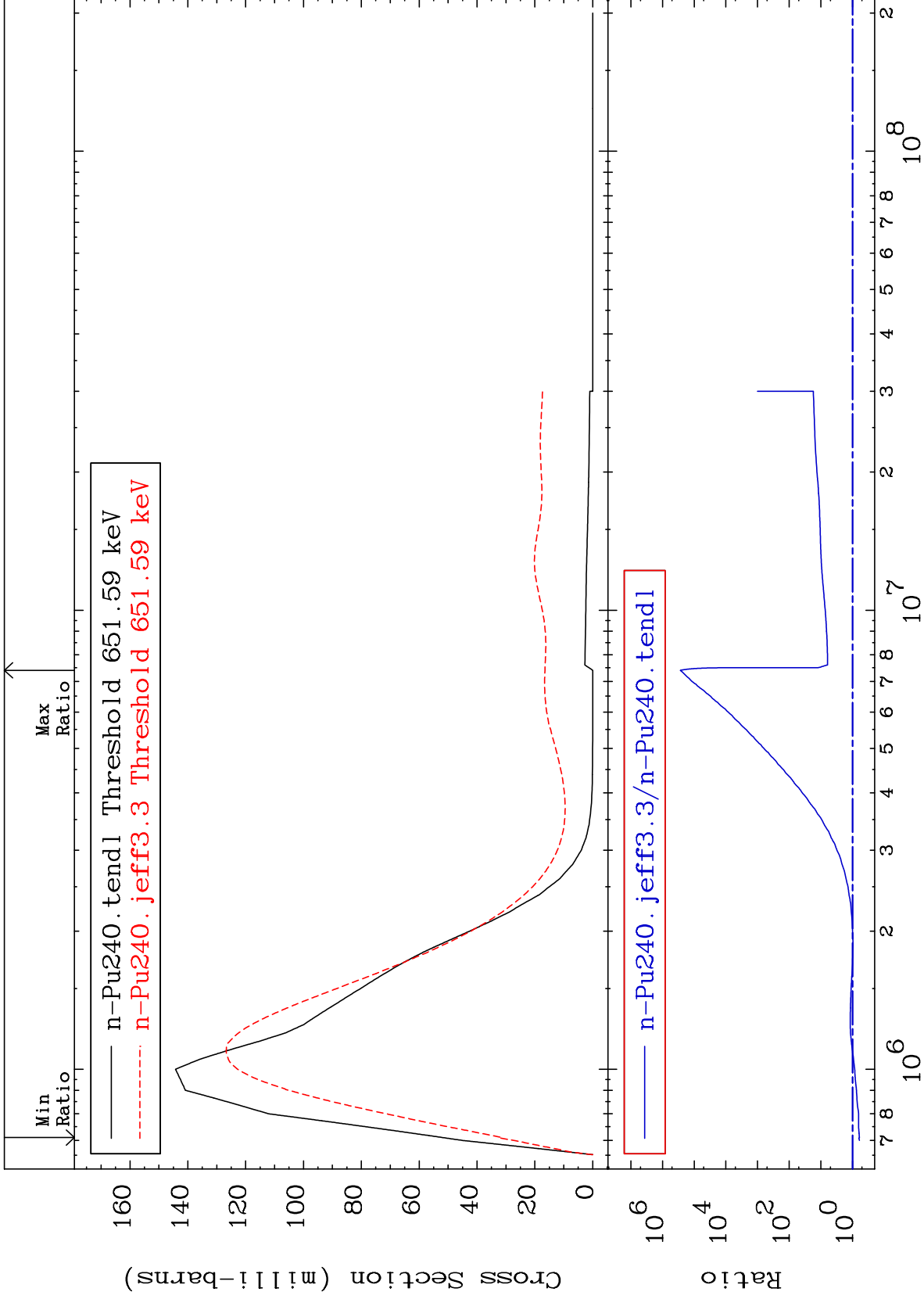
Incident Energy (eV)

94-Pu-240

MAT 9440

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

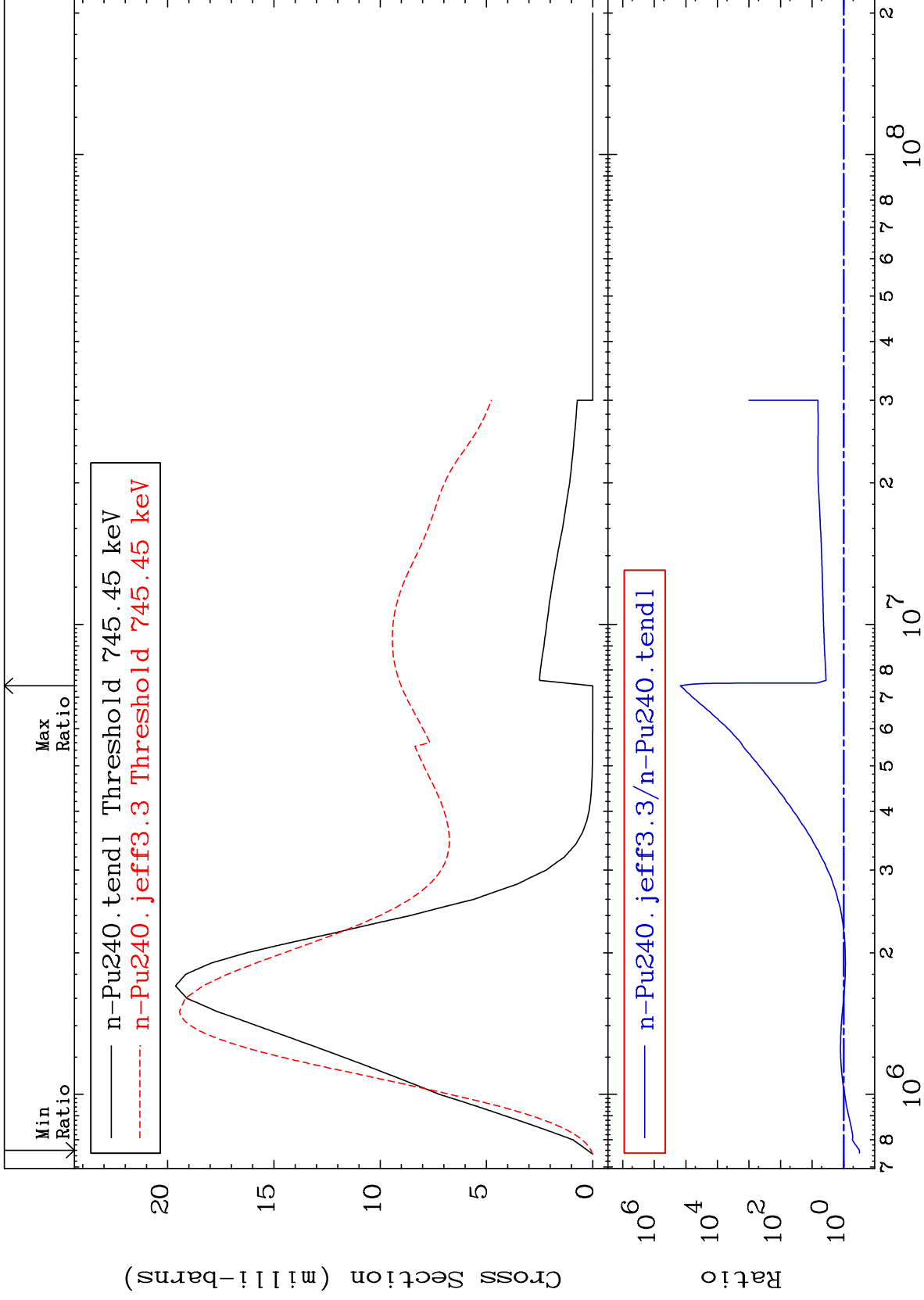
94-Pu-240
-39.67 To 9999. %



MAT 9440

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

94-Pu-240
-68.21 To 9999. %

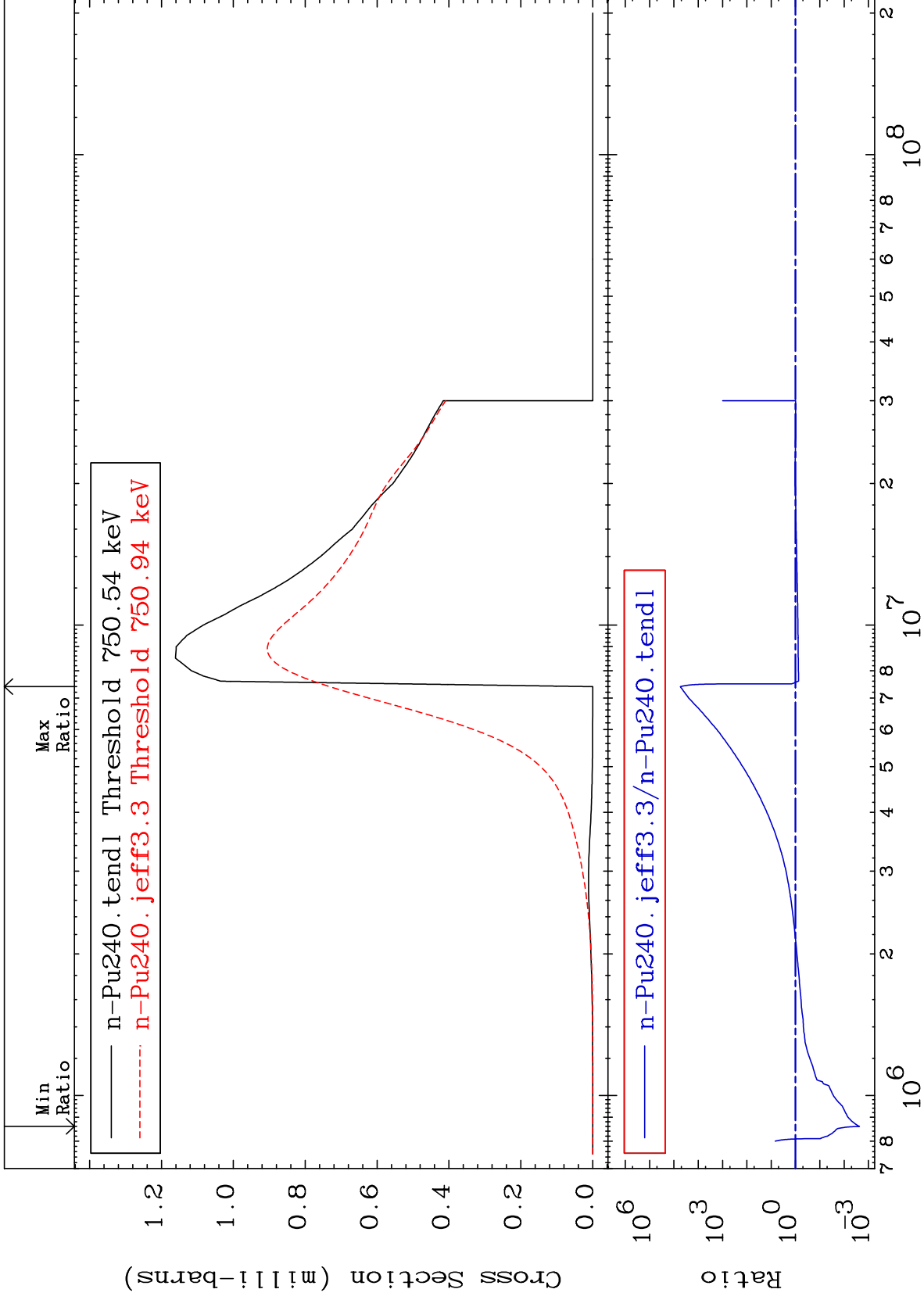


20

MAT 9440

MT= 58 (n,n') Level
Cross Section

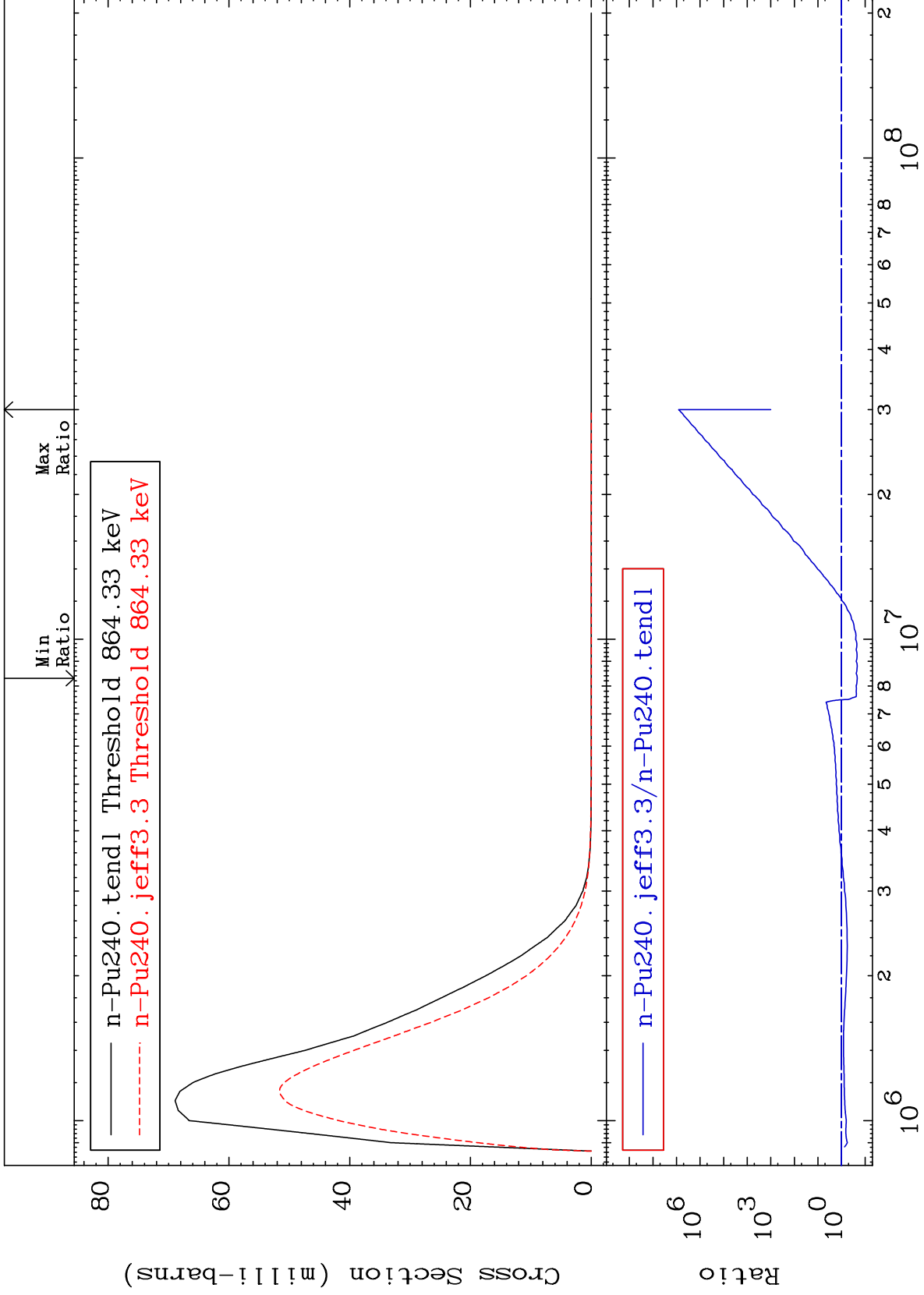
94-Pu-240
-99.76 To 9999. %



MAT 9440

MT= 59 (n,n') Level
Cross Section

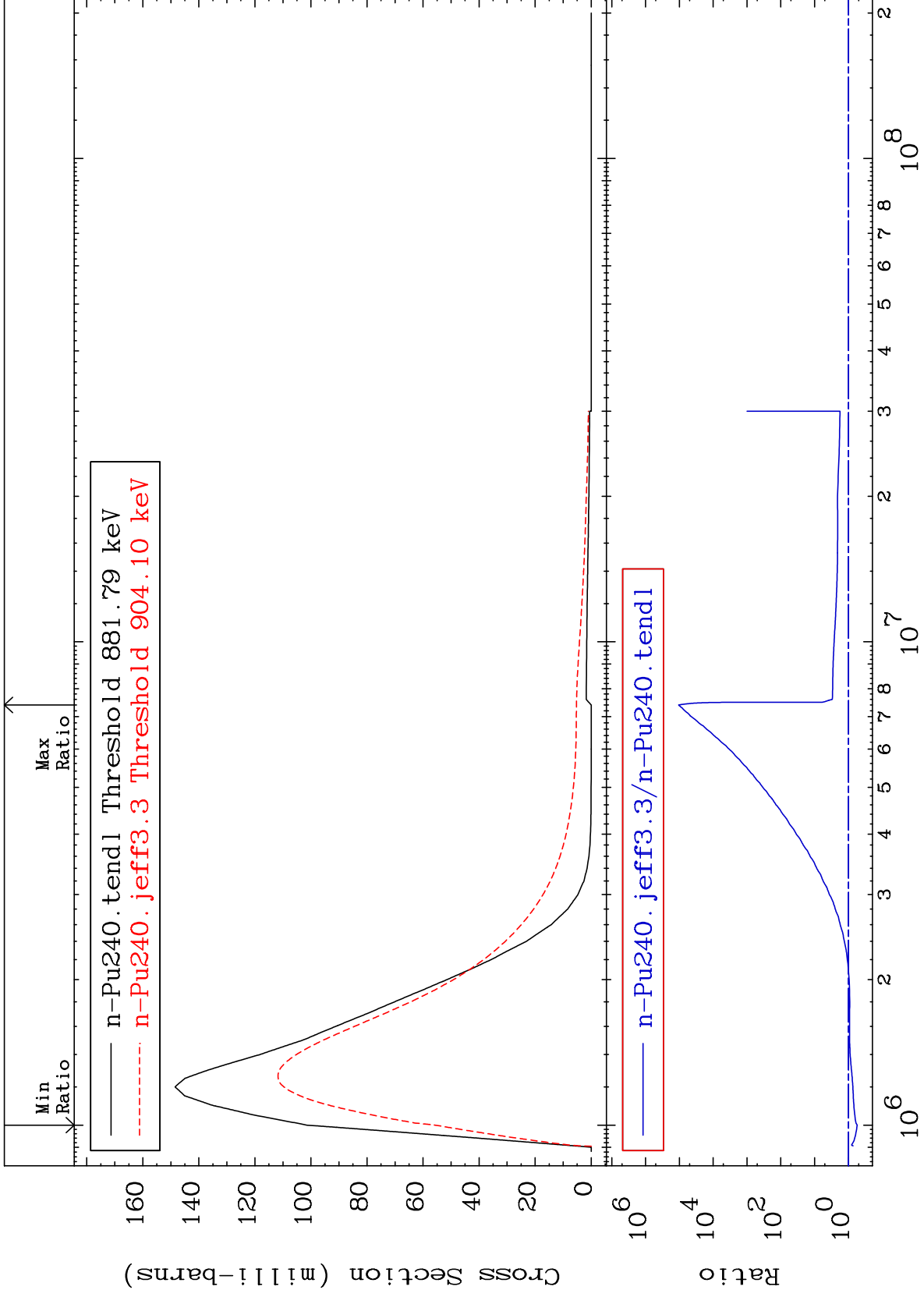
94-Pu-240
-78.49 To 9999. %



MAT 9440

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

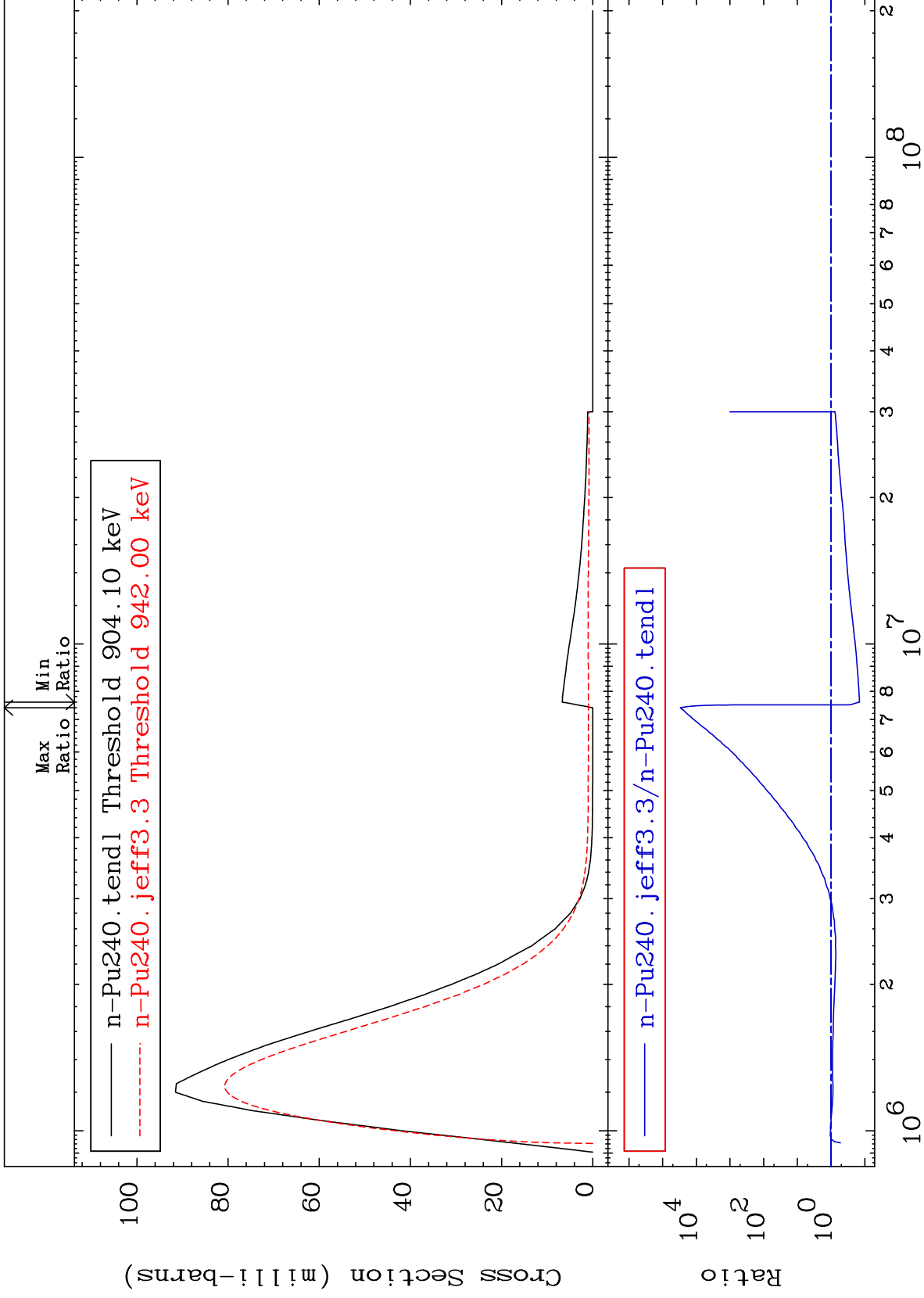
94-Pu-240
-45.15 To 9999. %



MAT 9440

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

94-Pu-240
-85.62 To 9999. %



24

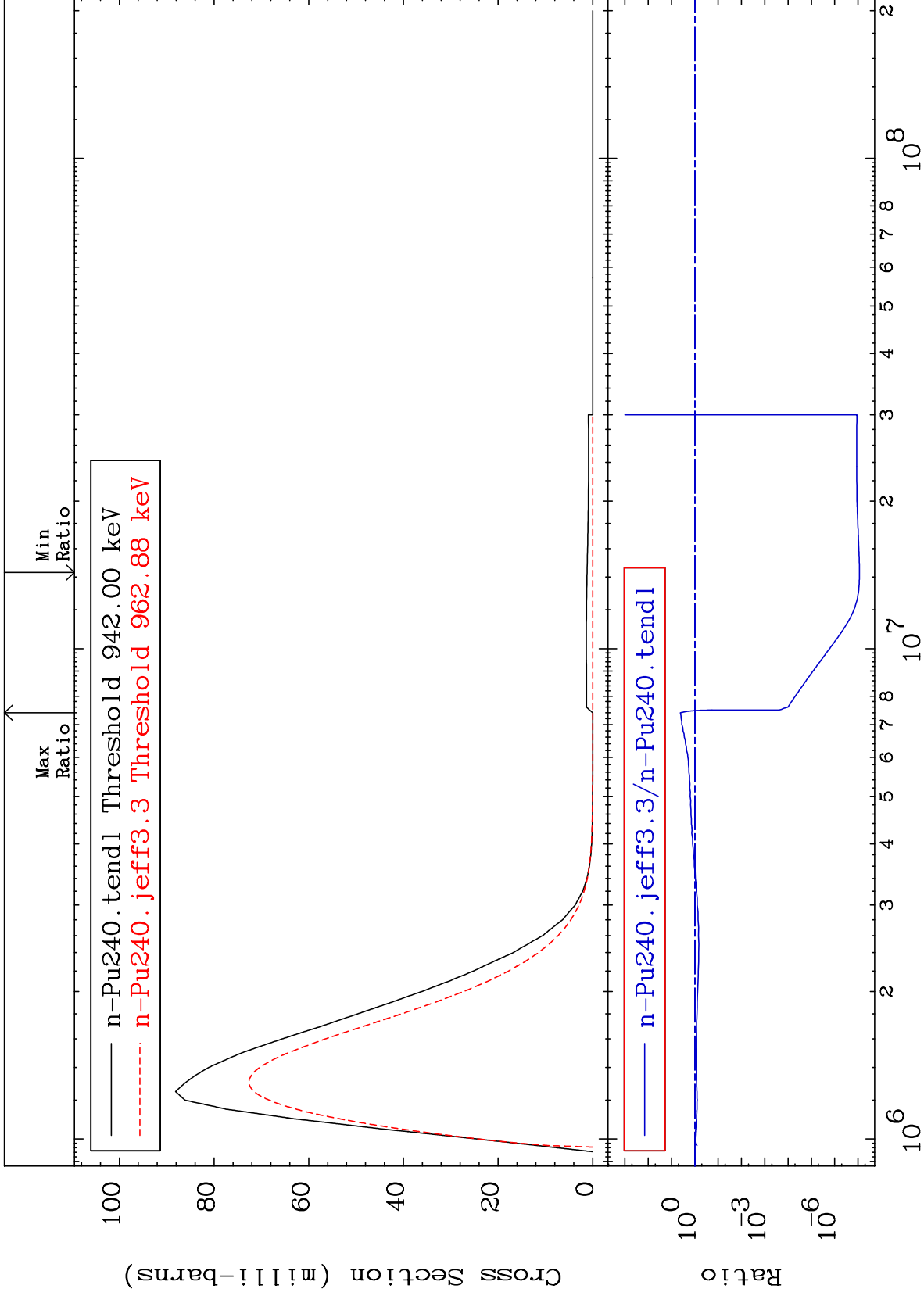
Incident Energy (eV)

94-Pu-240

MAT 9440

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

94-Pu-240
-100.0 To 317.2 %



— n-Pu240.tendl Threshold 942.00 keV
- - - n-Pu240.jeff3.3 Threshold 962.88 keV

— n-Pu240.jeff3.3/n-Pu240.tendl

25

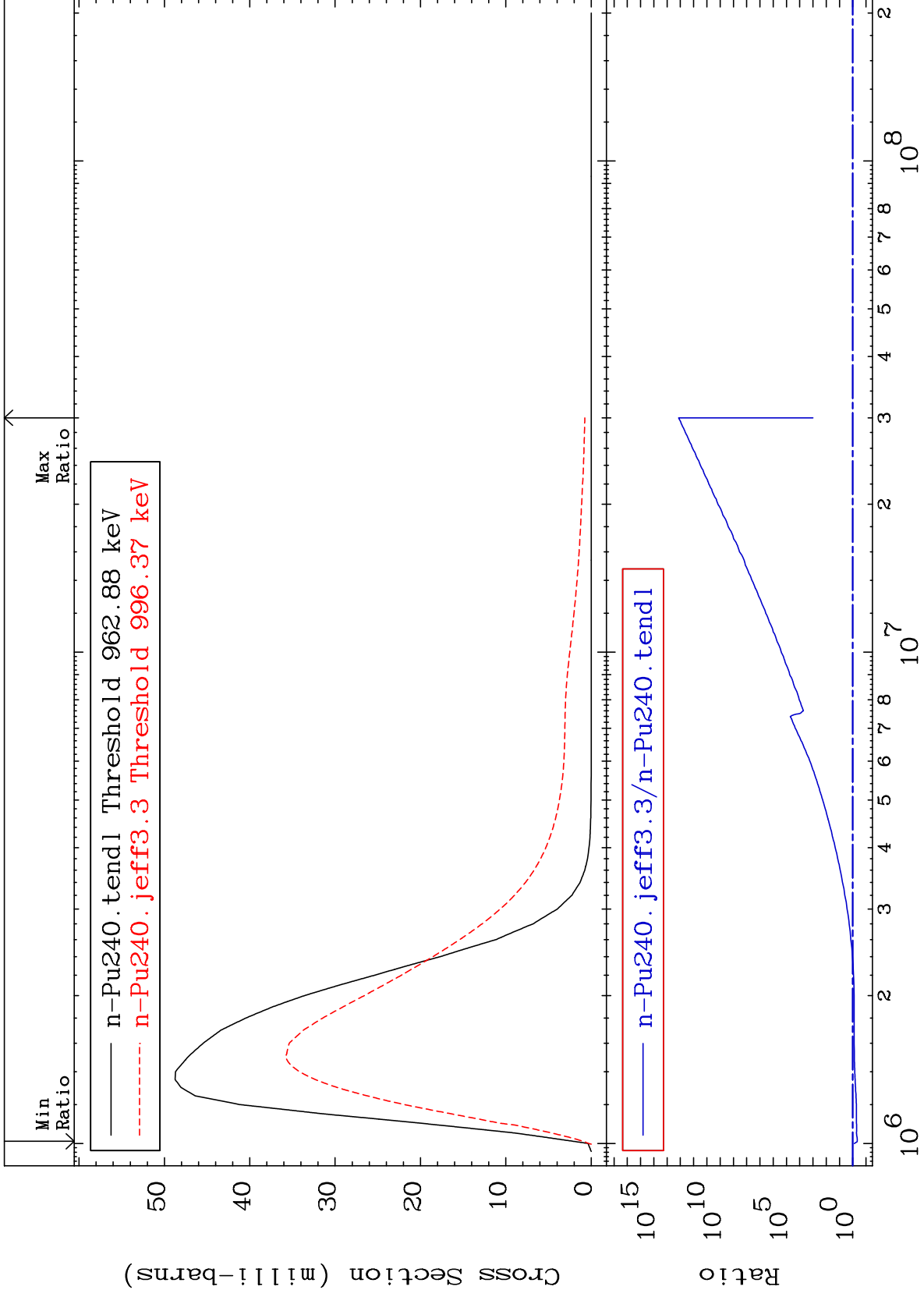
Incident Energy (eV)

94-Pu-240

MAT 9440

MT= 63 (n,n') Level
Cross Section

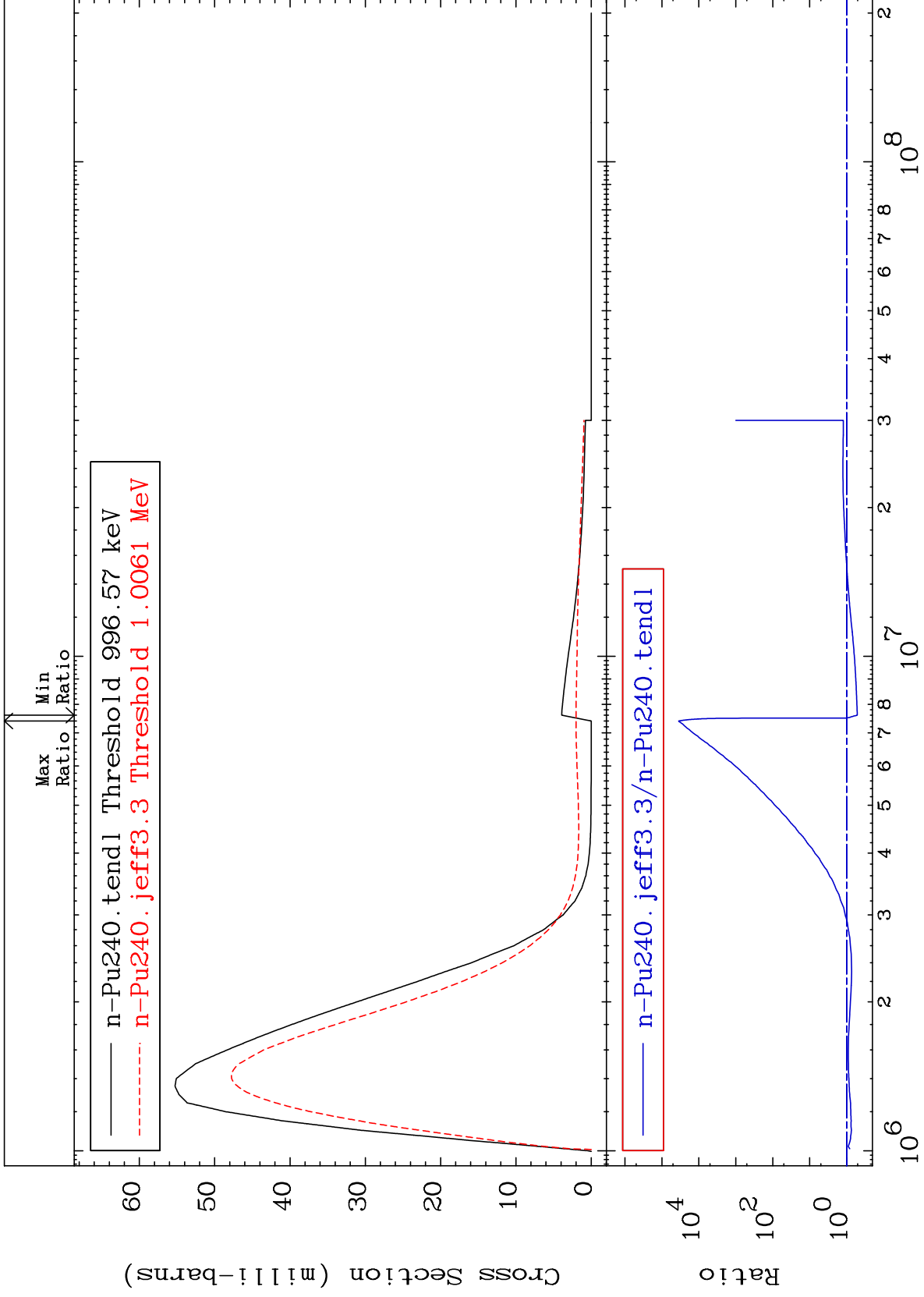
94-Pu-240
-54.31 To 9999. %



MAT 9440

MT= 64 (n,n') Level
Cross Section

94-Pu-240
-48.56 To 9999. %



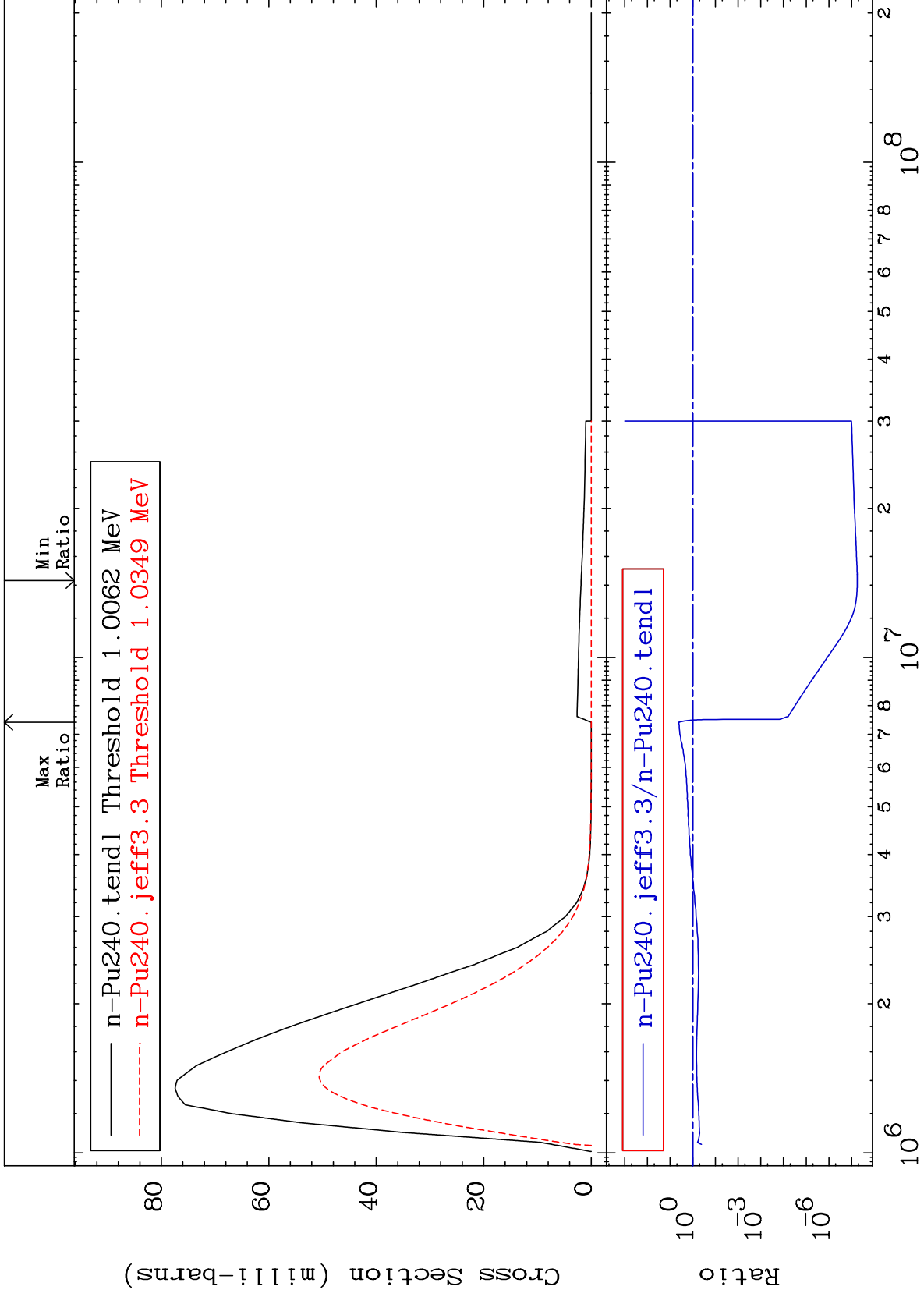
27

94-Pu-240

MAT 9440

MT= 65 (n,n') Level
Cross Section

94-Pu-240
-100.0 To 319.2 %



28

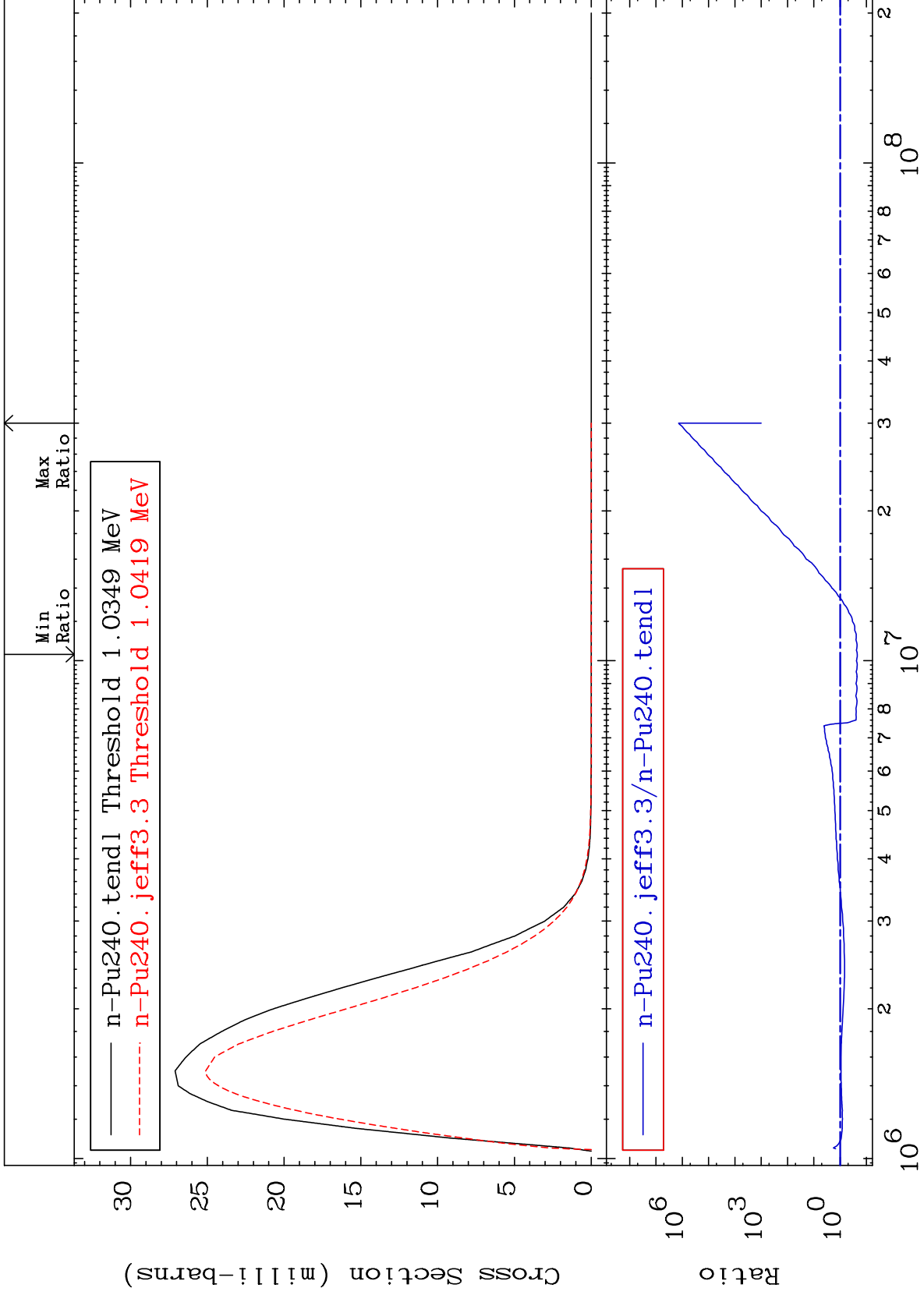
Incident Energy (eV)

94-Pu-240

MAT 9440

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

94-Pu-240
-77.65 To 9999. %



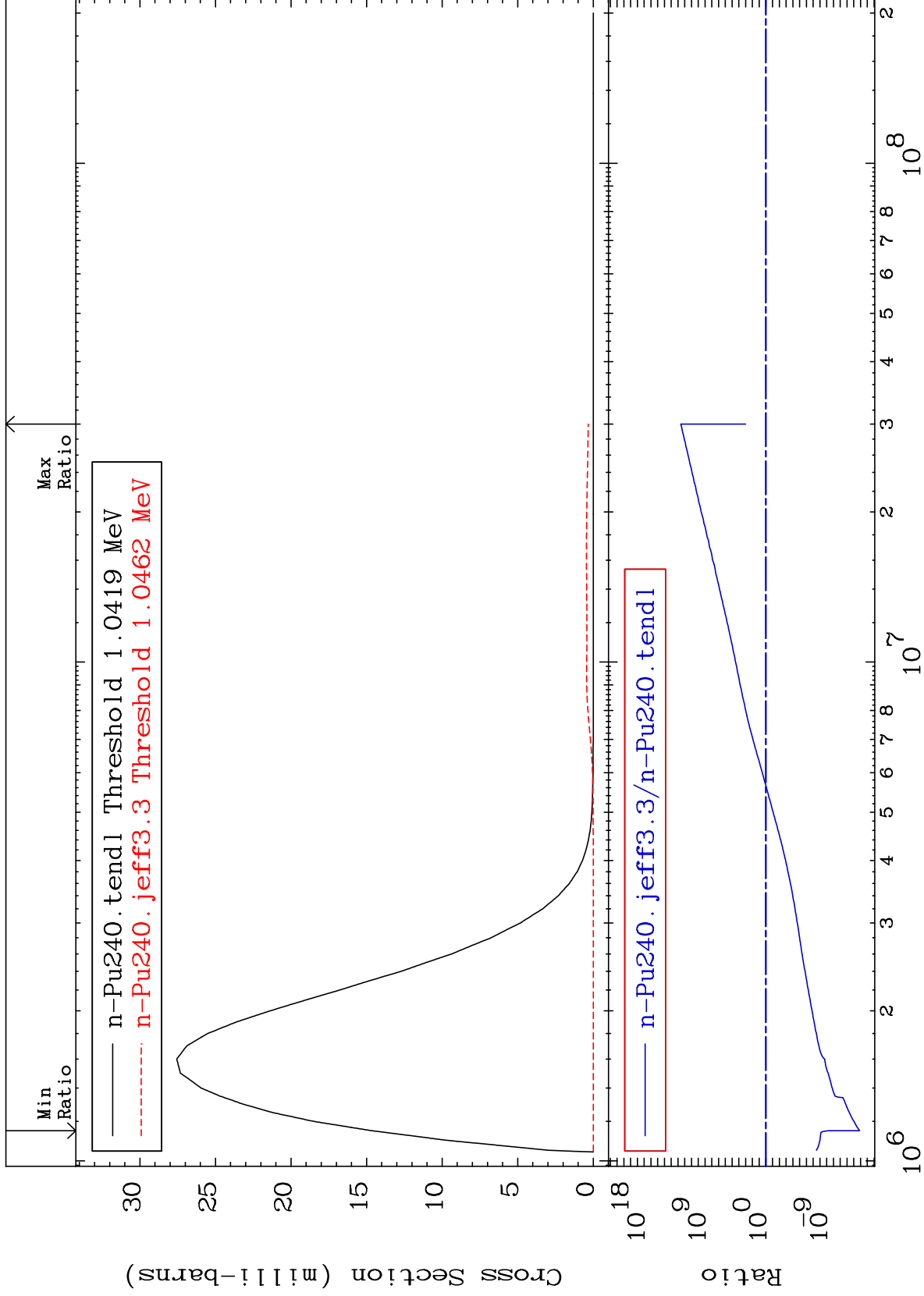
29

94-Pu-240

MAT 9440

MT= 67 (n,n') Level
Cross Section

94-Pu-240
-100.0 To 9999. %



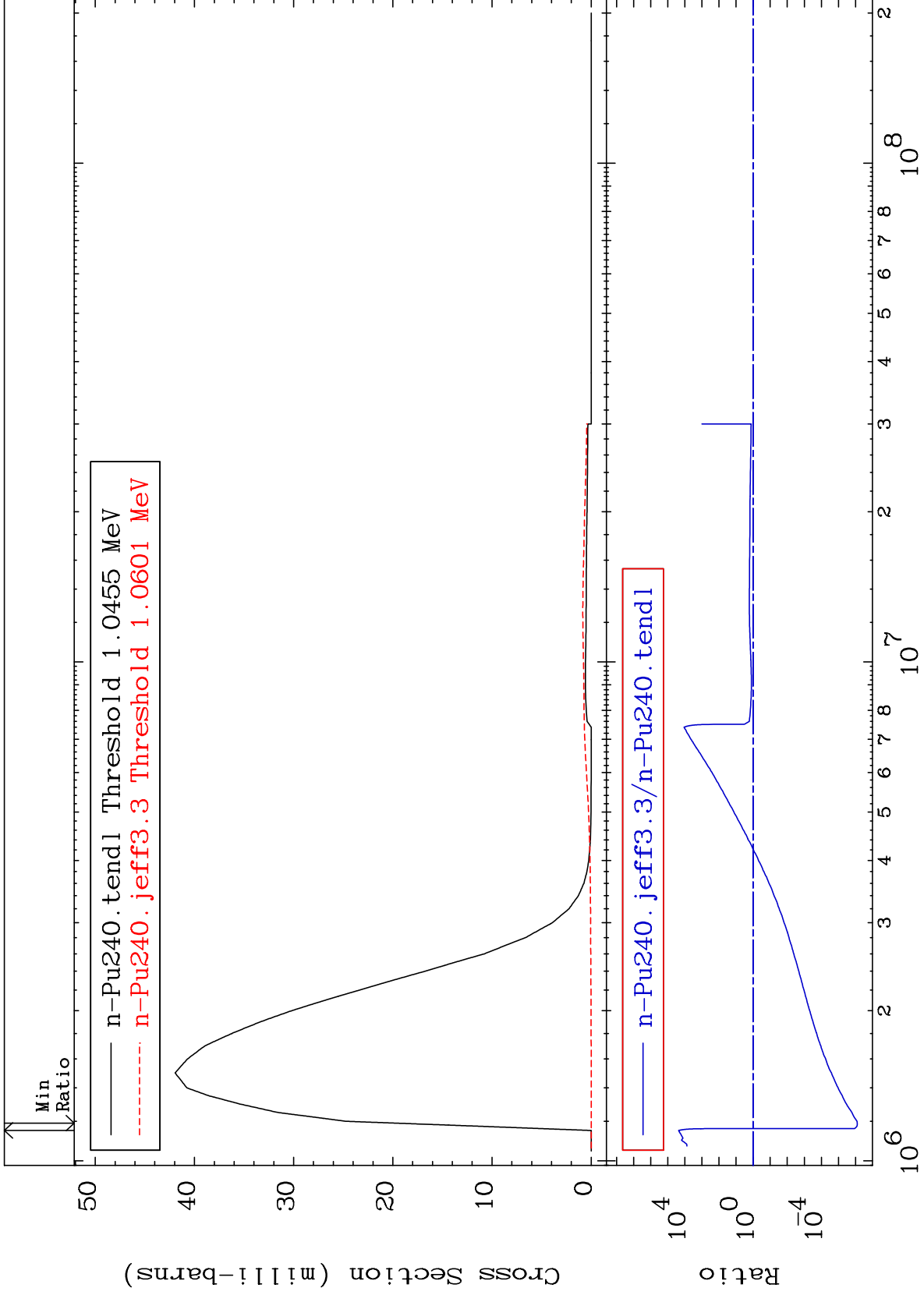
94-Pu-240

30

MAT 9440

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

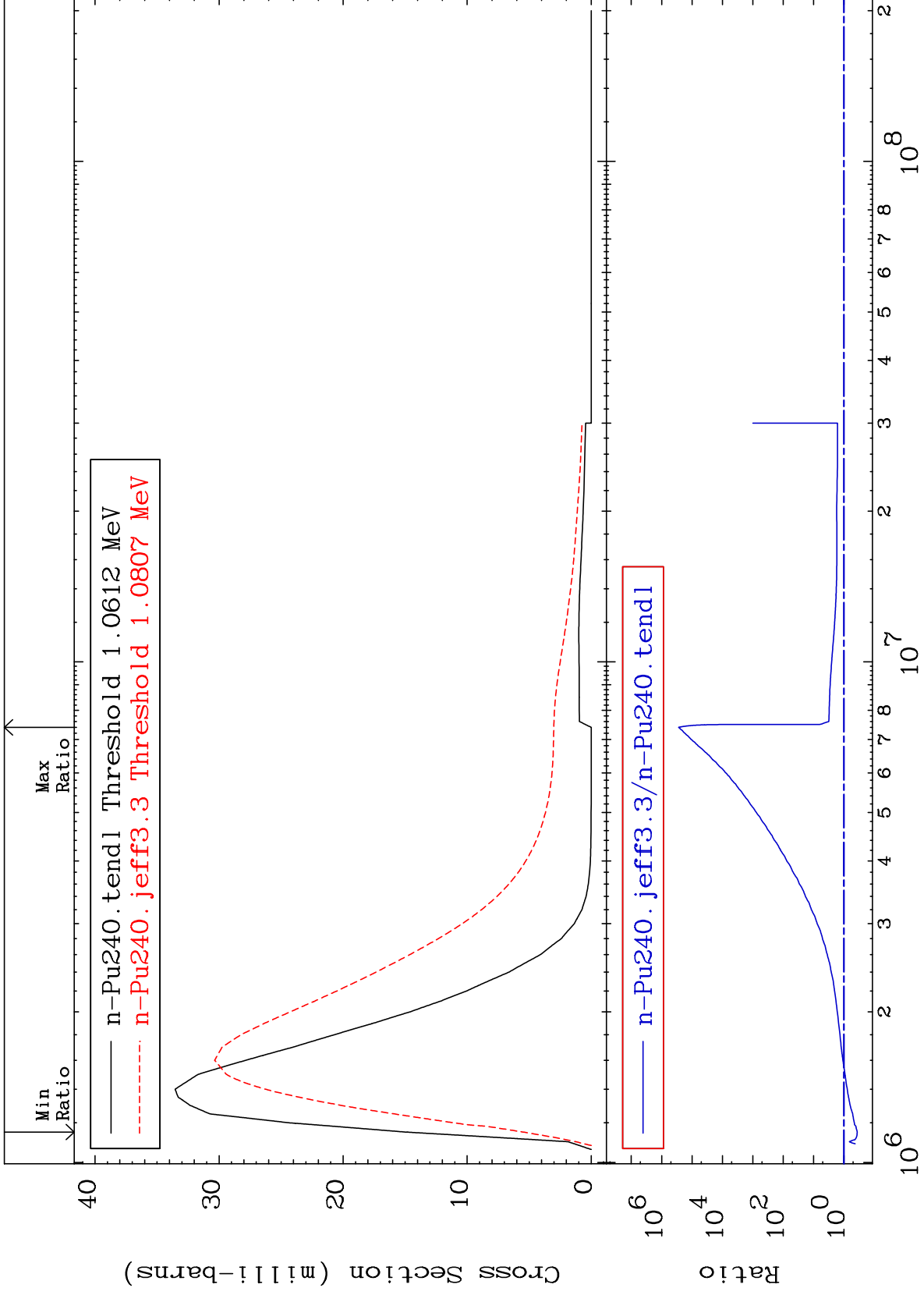
94-Pu-240
-100.0 To 9999. %



MAT 9440

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

94-Pu-240
-63.35 To 9999. %



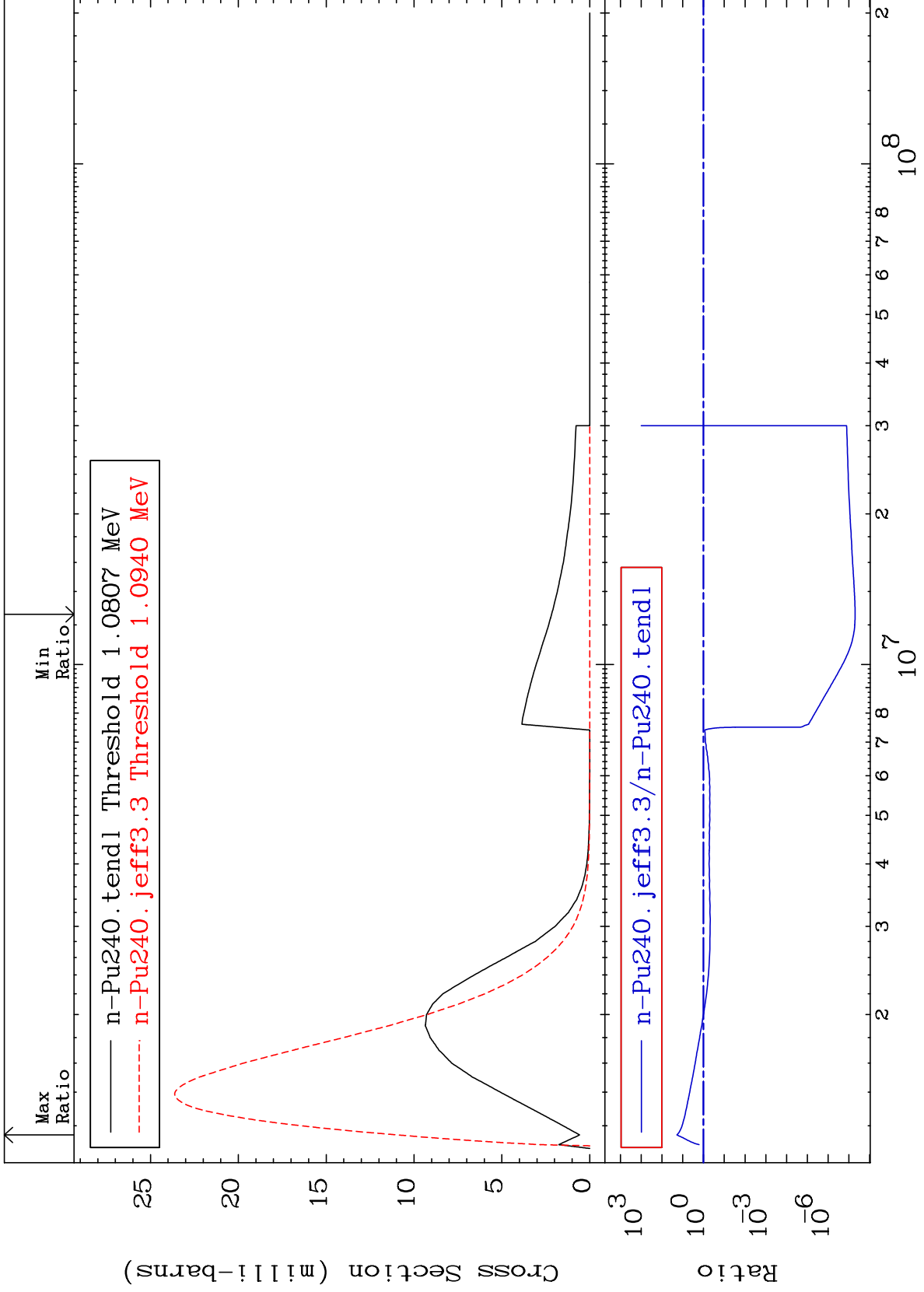
32

94-Pu-240

MAT 9440

MT= 70 (n,n') Level
Cross Section

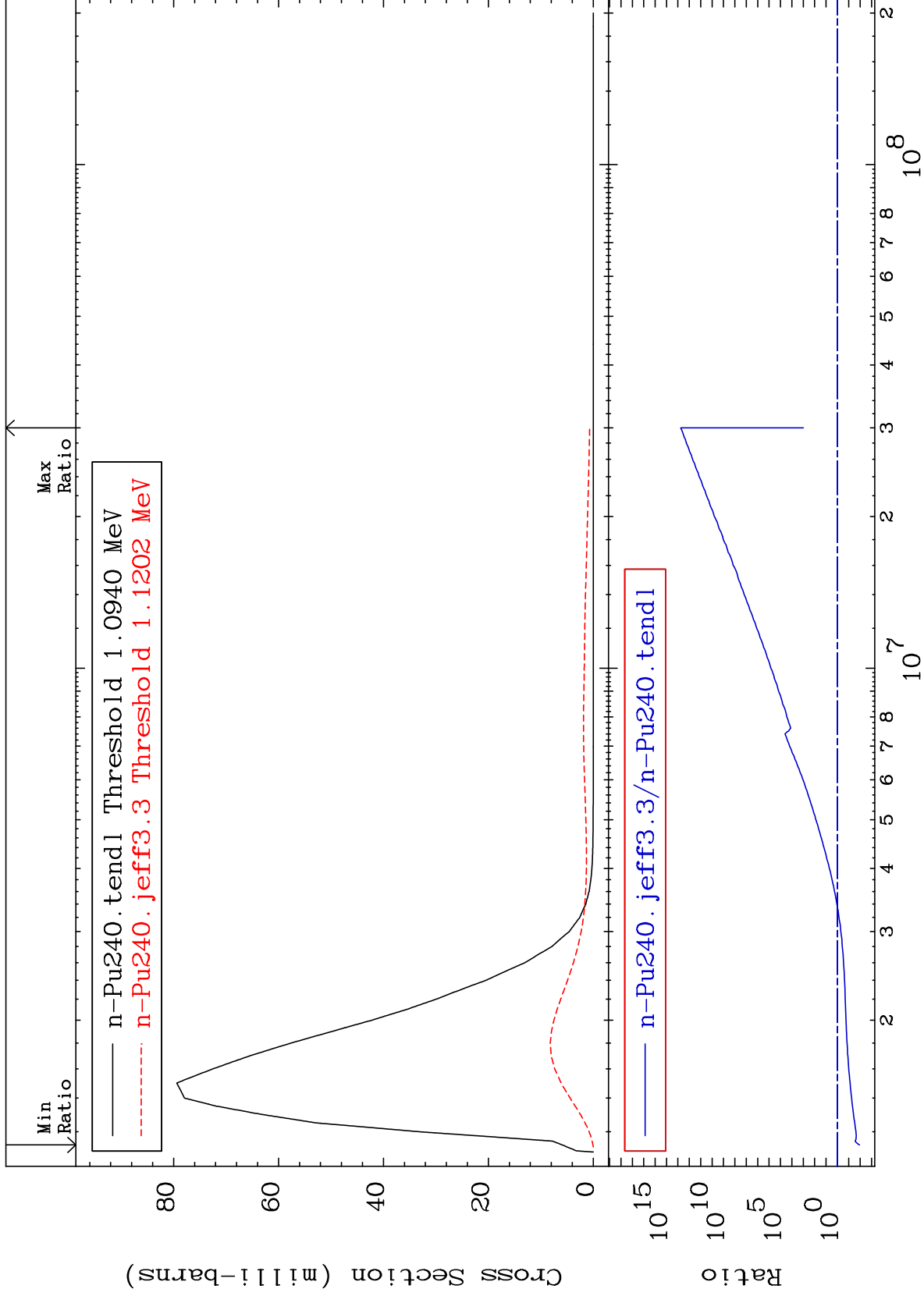
94-Pu-240
-100.0 To 1801. %



MAT 9440

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

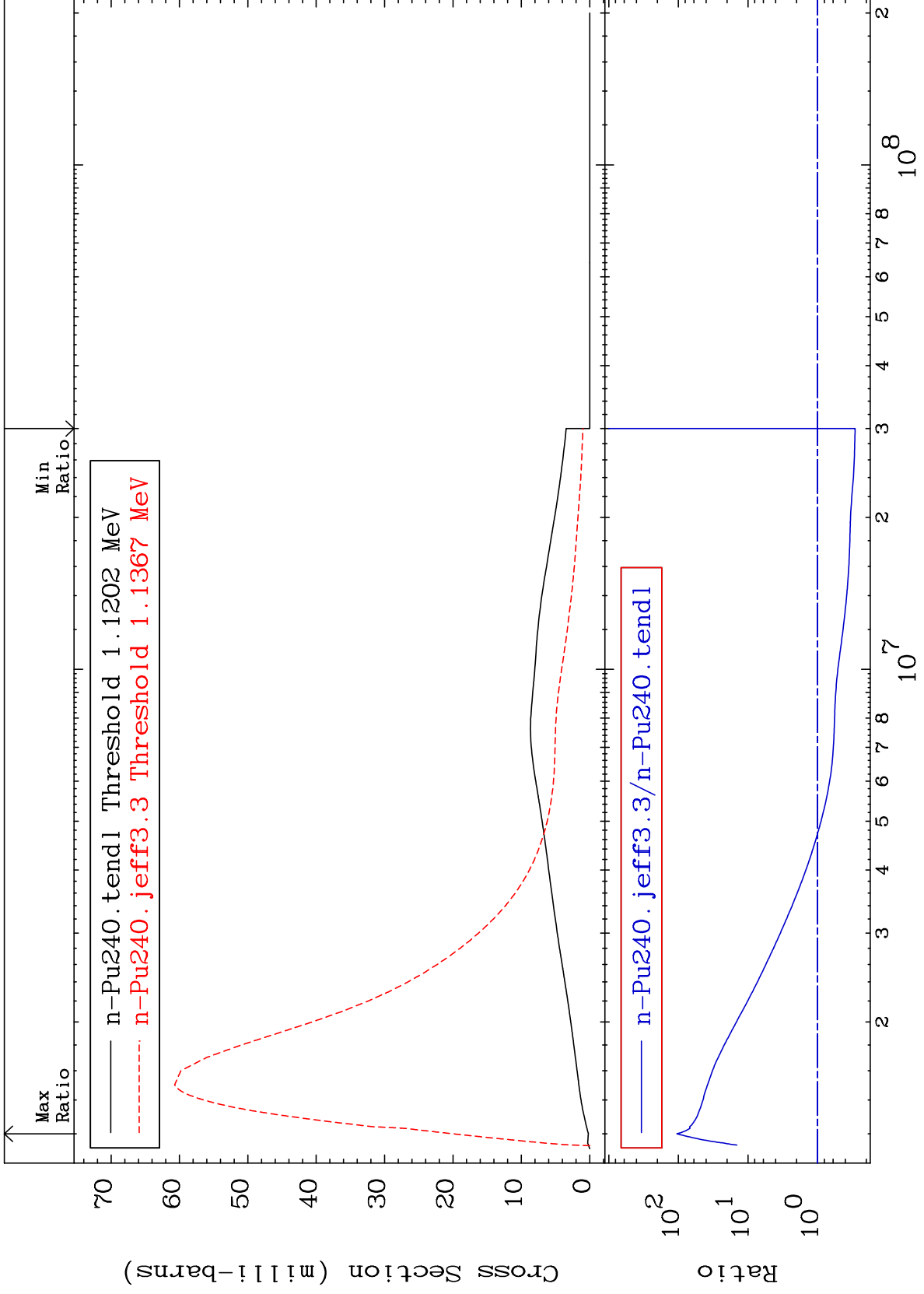
94-Pu-240
-98.86 To 9999. %



MAT 9440

MT= 72 (n,n') Level
Cross Section

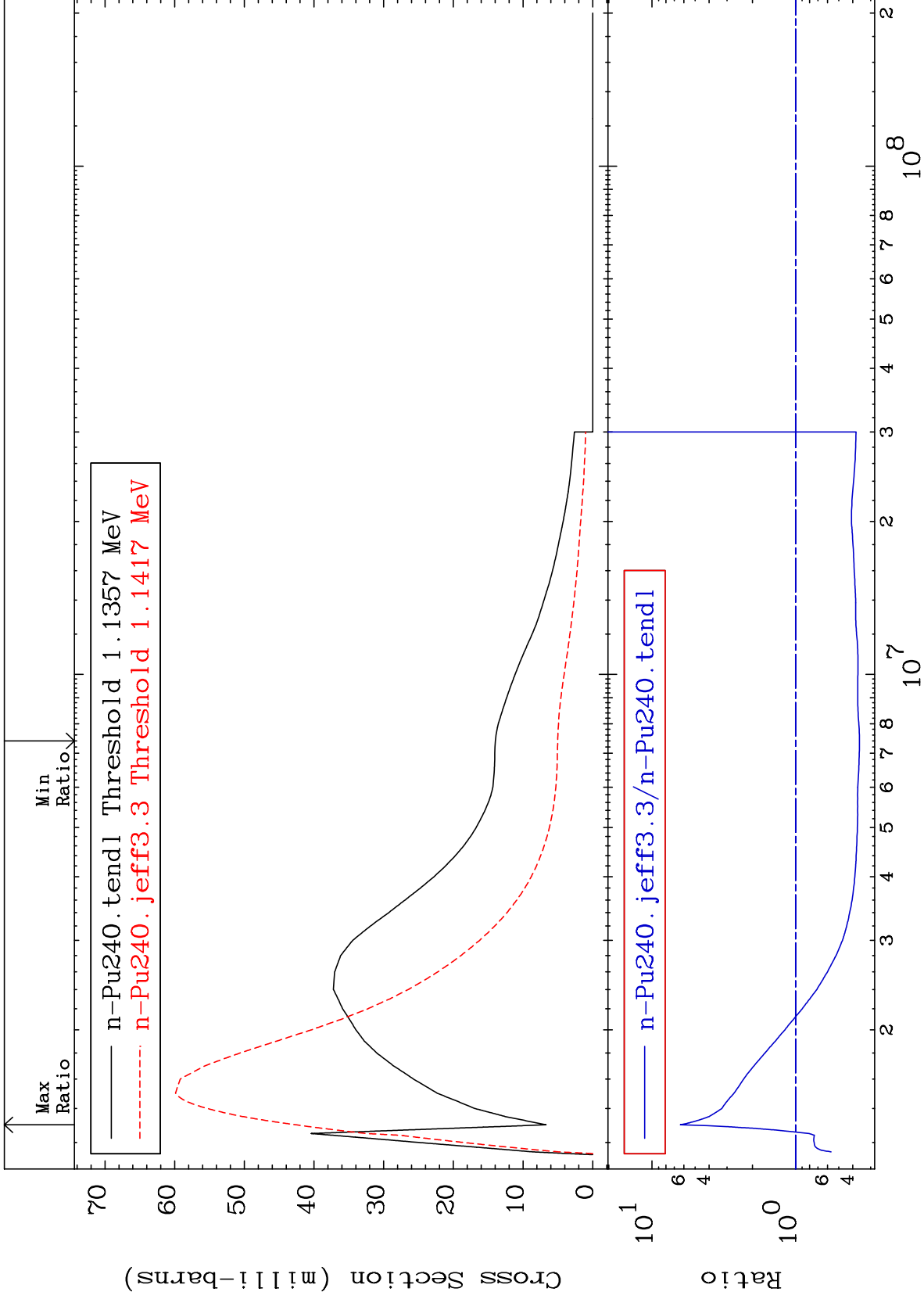
94-Pu-240
-71.06 To 9999. %



MAT 9440

MT= 73 (n,n') Level
Cross Section

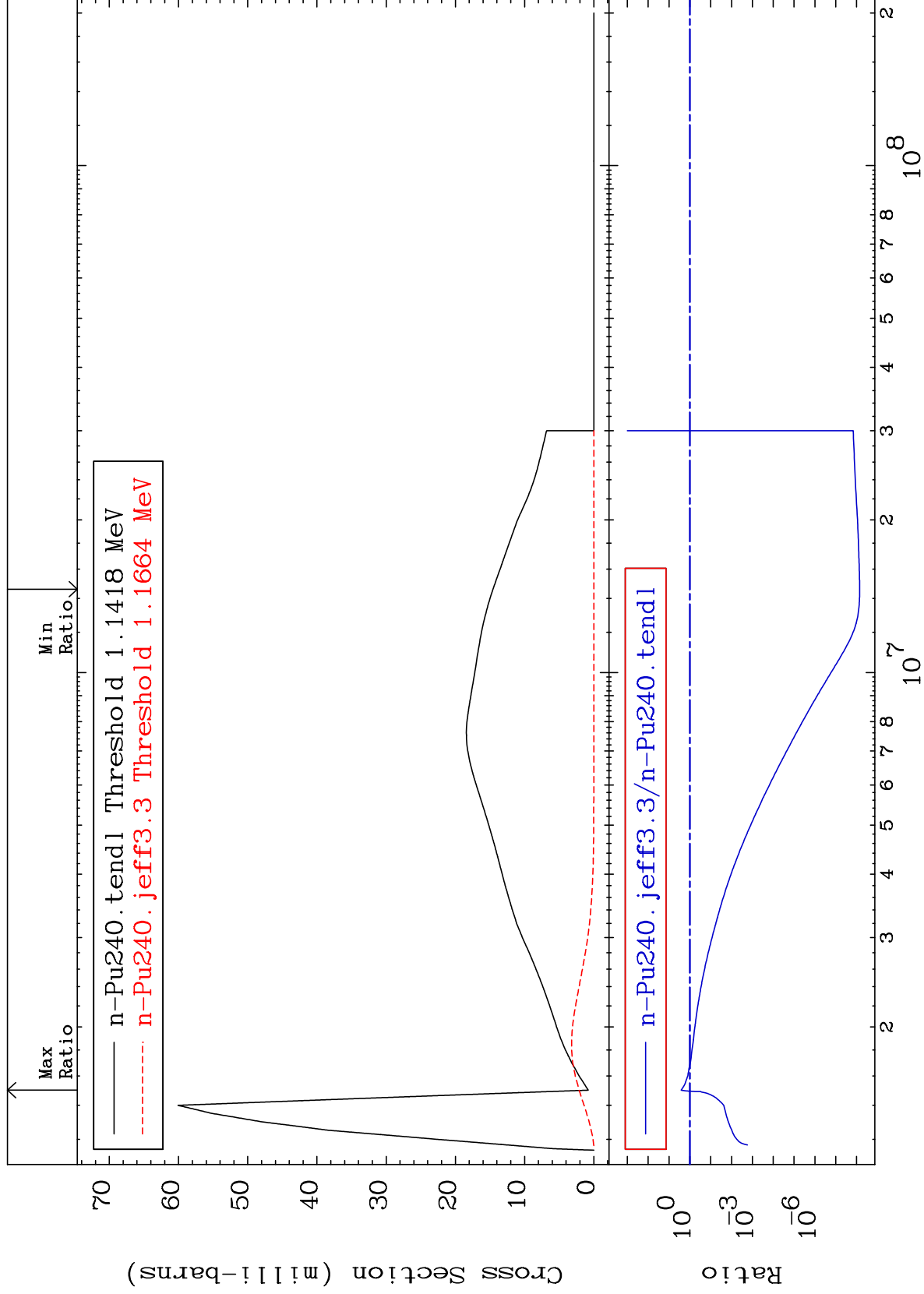
94-Pu-240
-64.05 To 534.3 %



MAT 9440

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

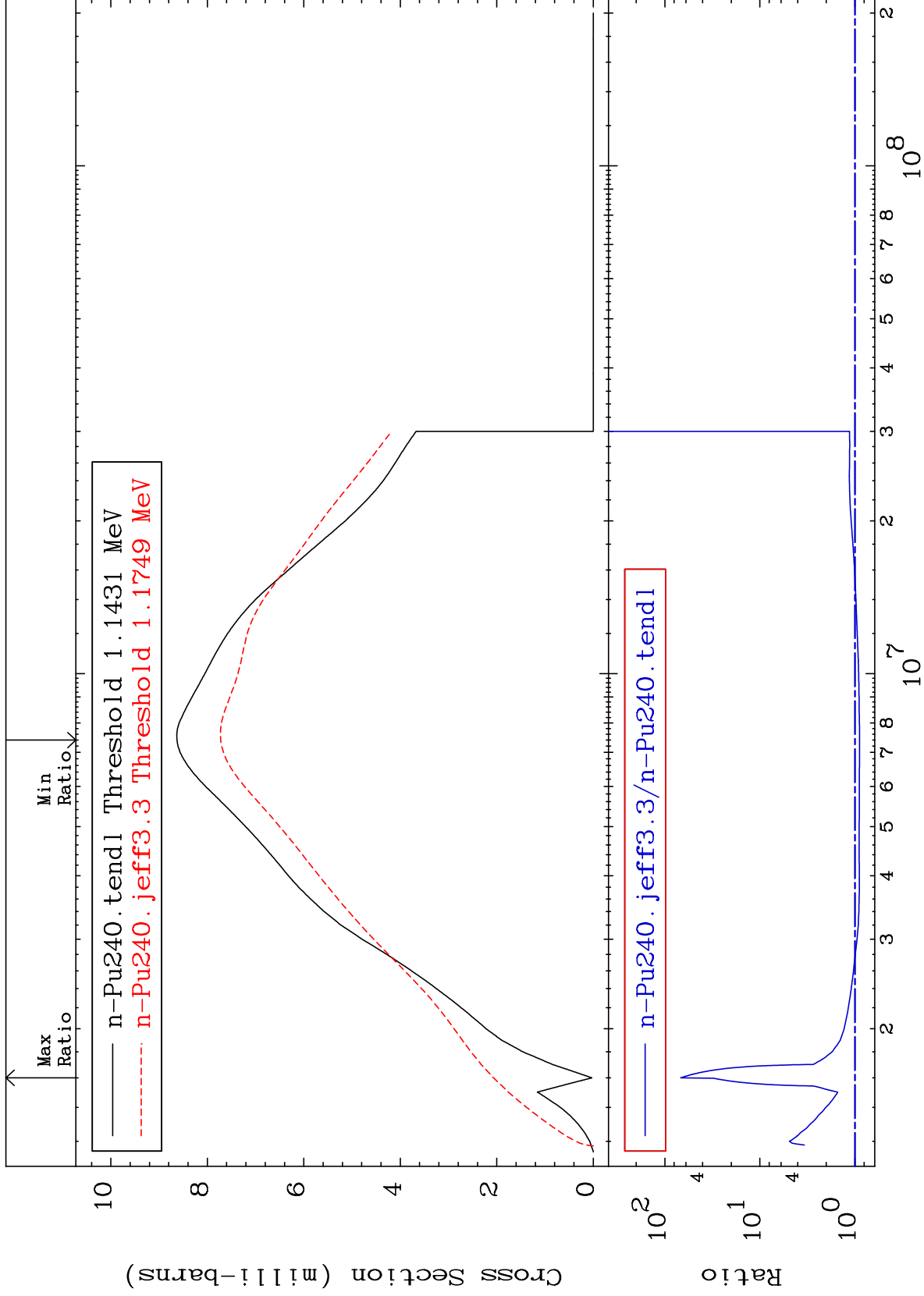
94-Pu-240
-100.0 To 160.6 %



MAT 9440

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

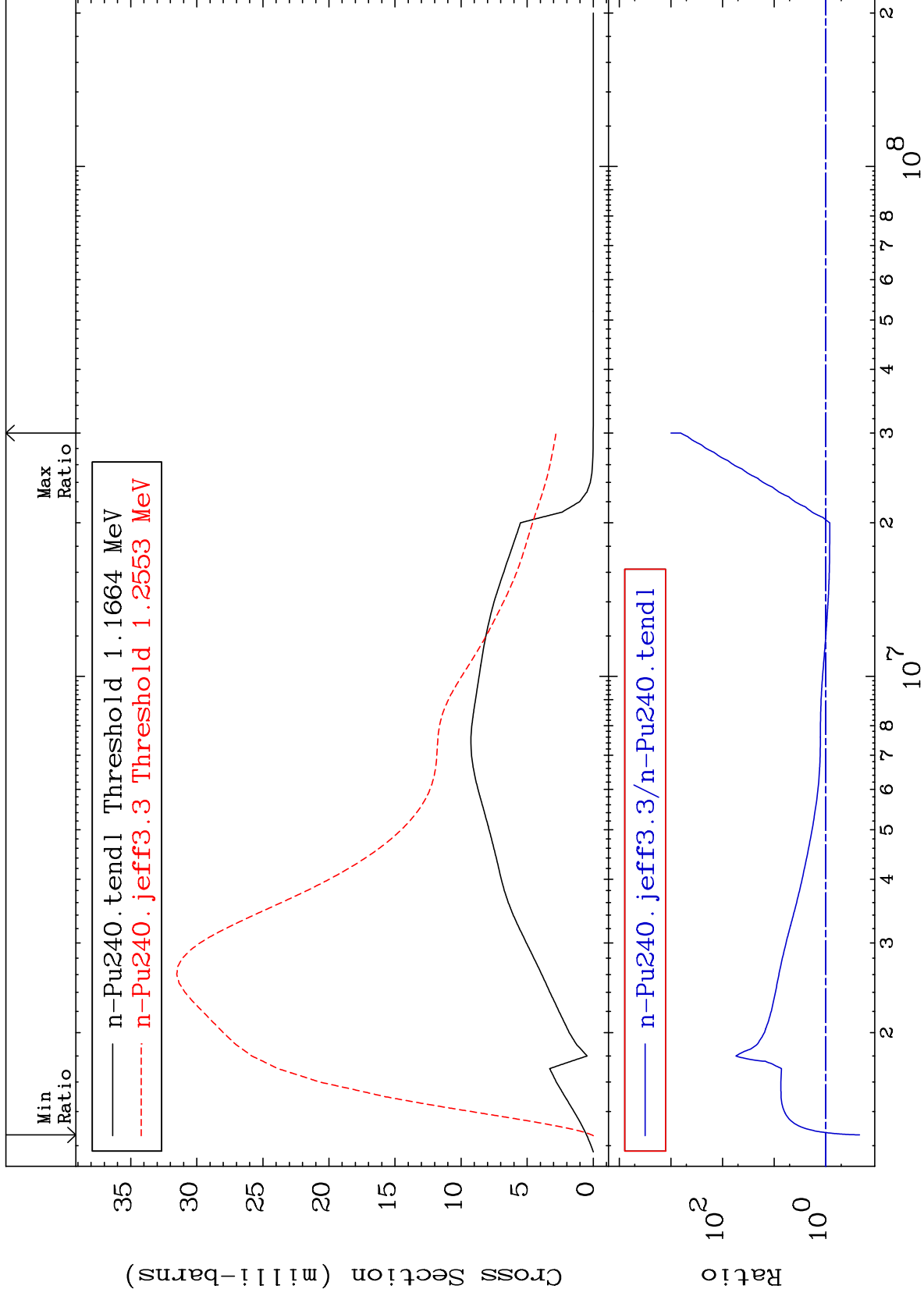
94-Pu-240
-10.52 To 6693. %



MAT 9440

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

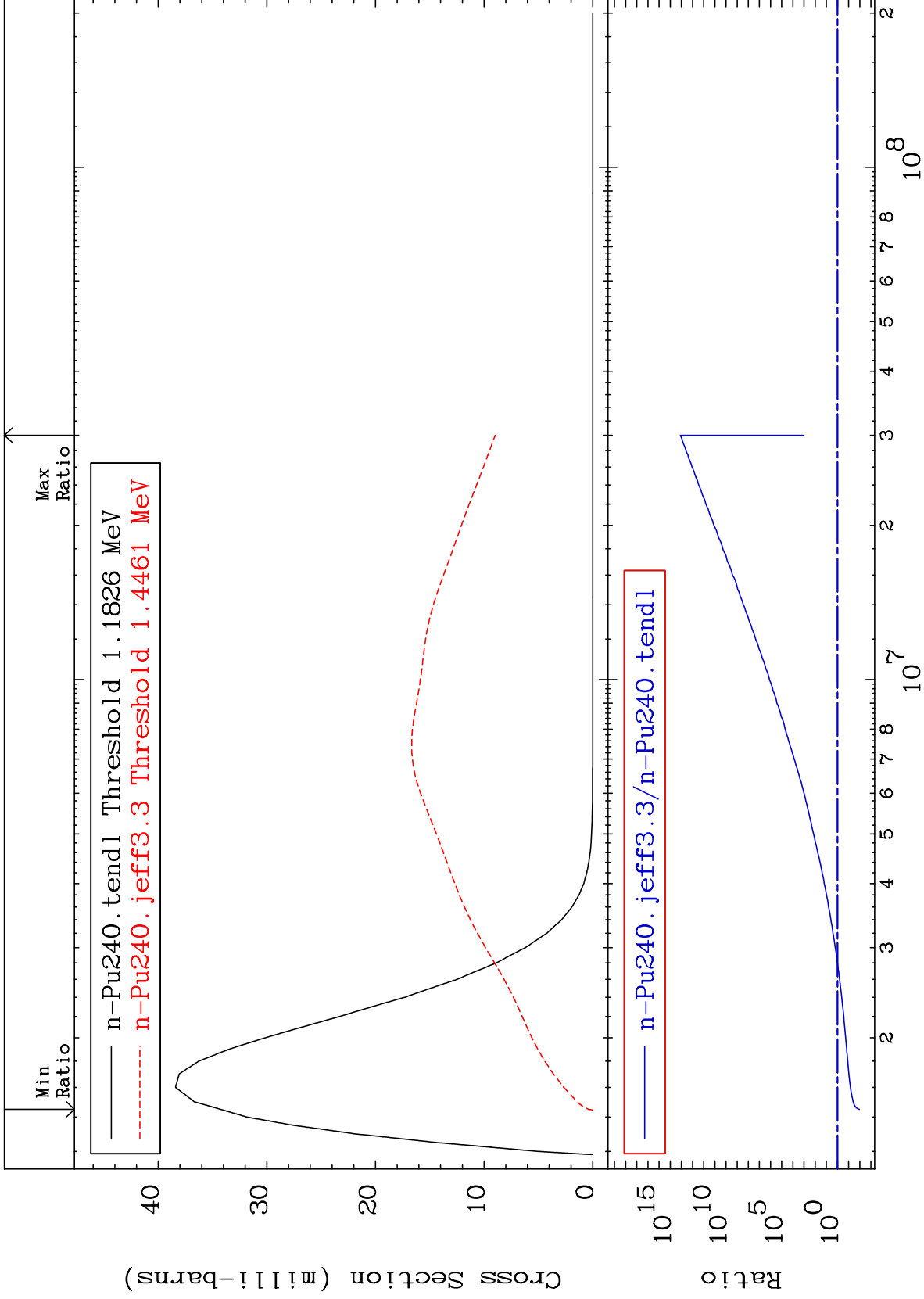
94-Pu-240
-77.83 To 9999. %



MAT 9440

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

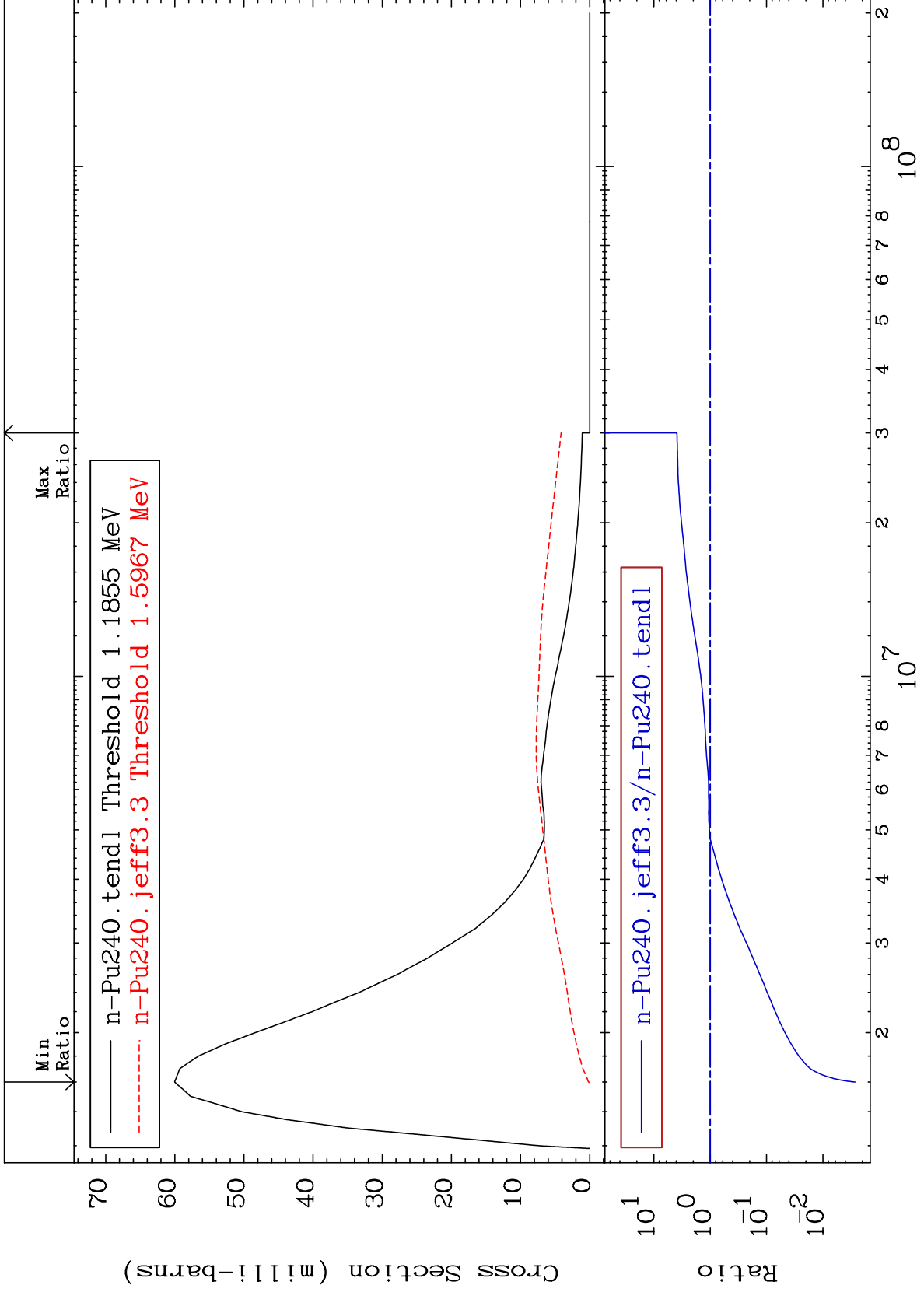
94-Pu-240
-98.92 To 9999. %



MAT 9440

MT= 78 (n,n') Level
Cross Section

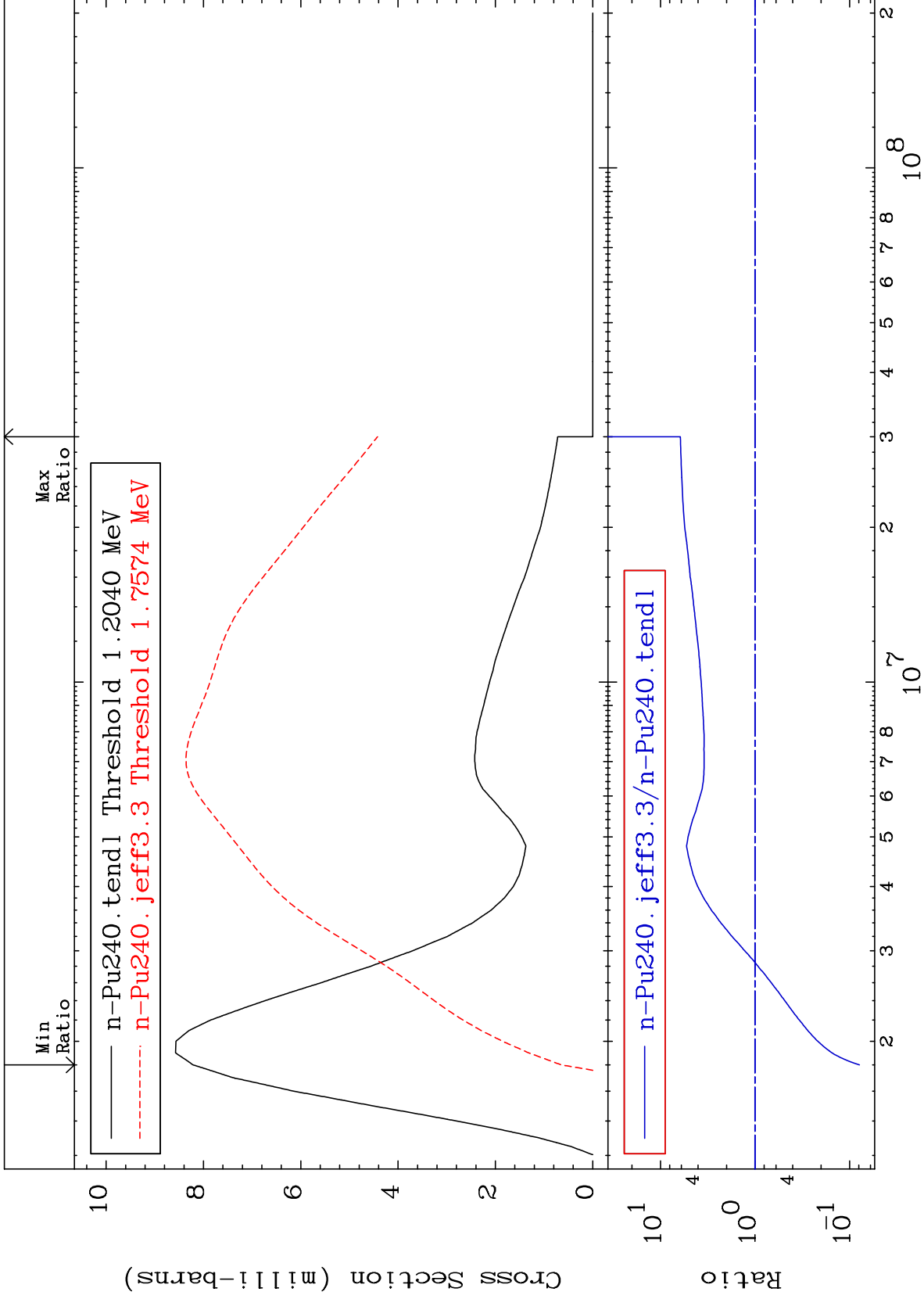
94-Pu-240
-99.73 To 289.4 %



MAT 9440

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

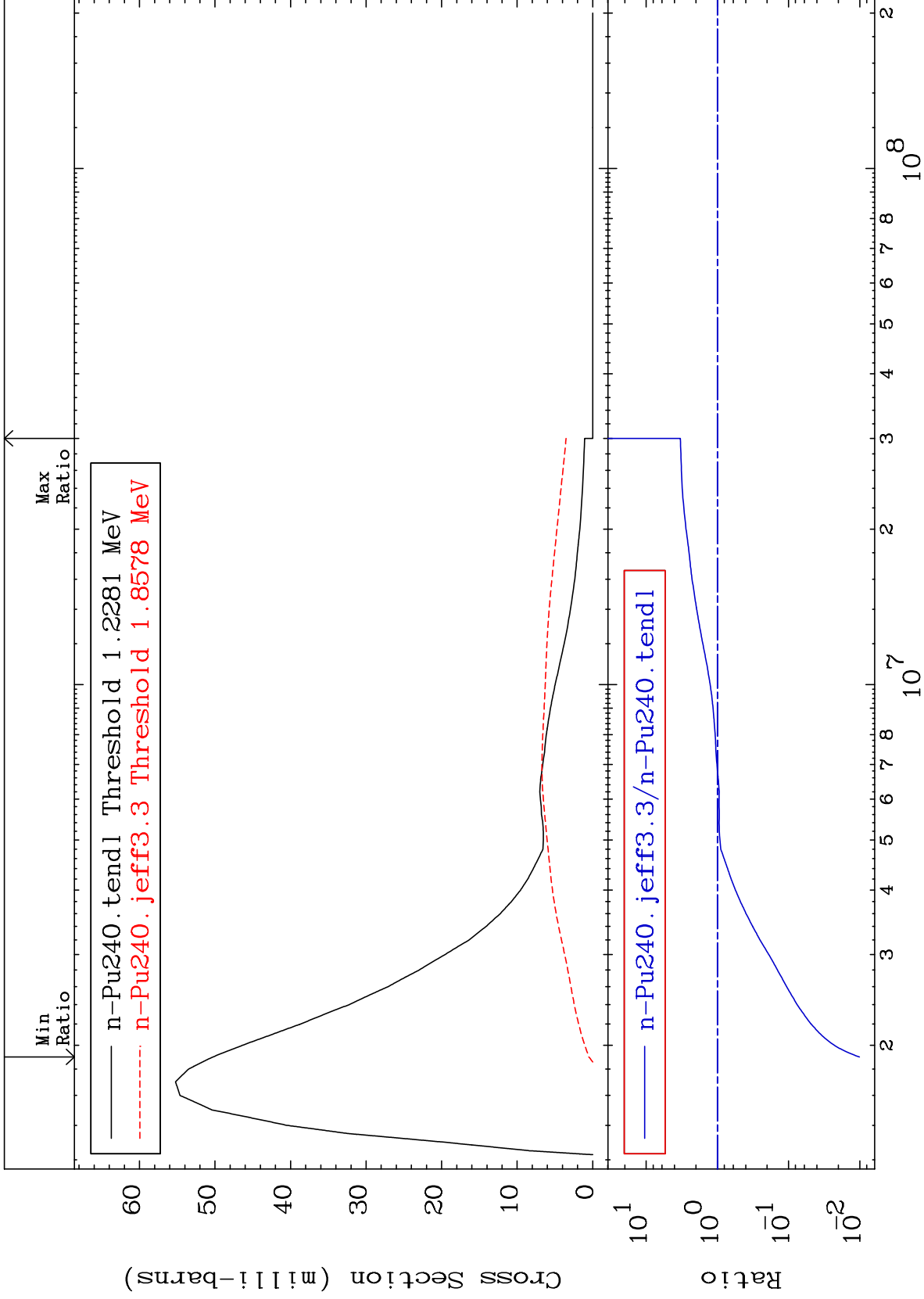
94-Pu-240
-92.13 To 515.9 %

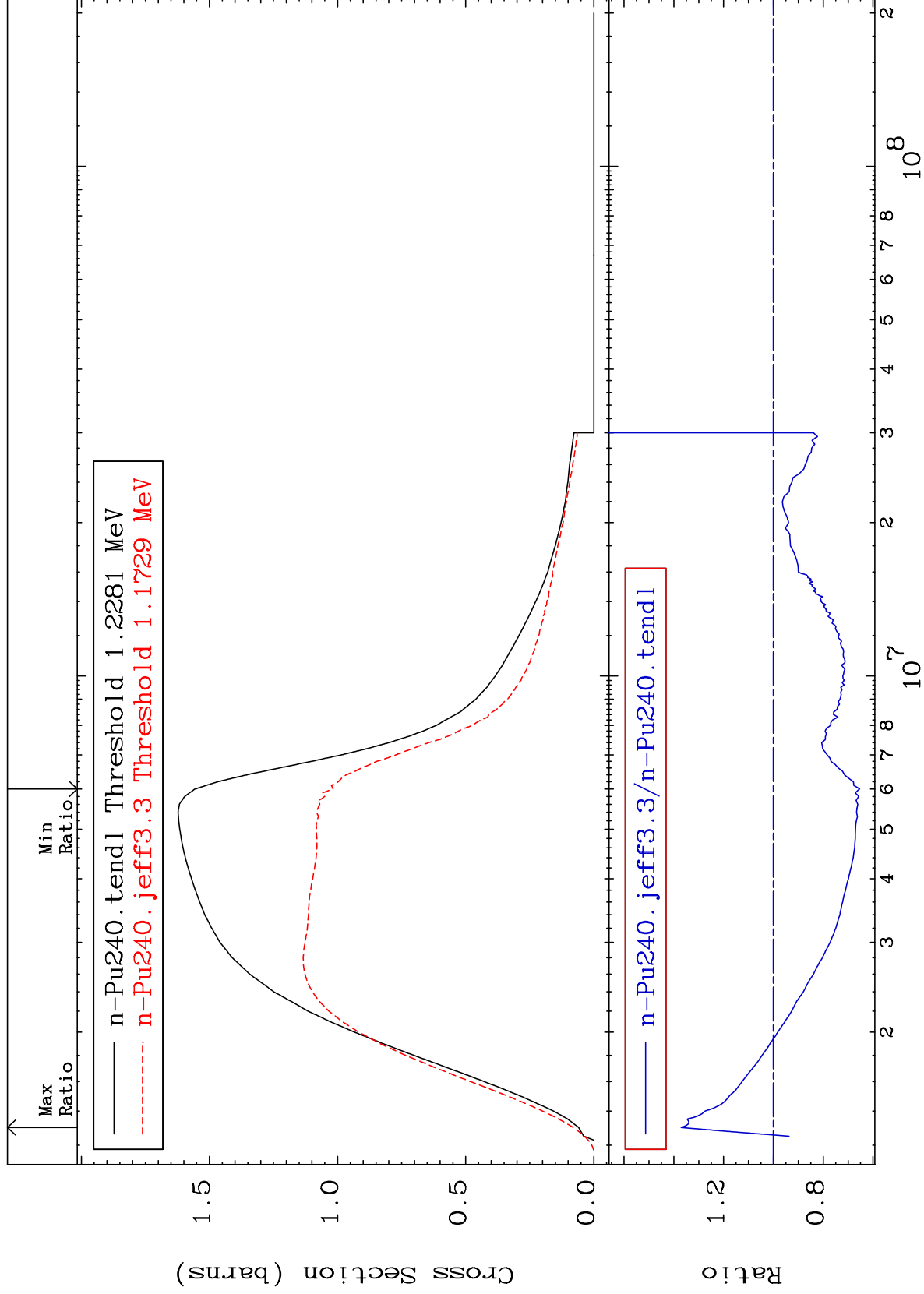


MAT 9440

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

94-Pu-240
-98.99 To 231.4 %

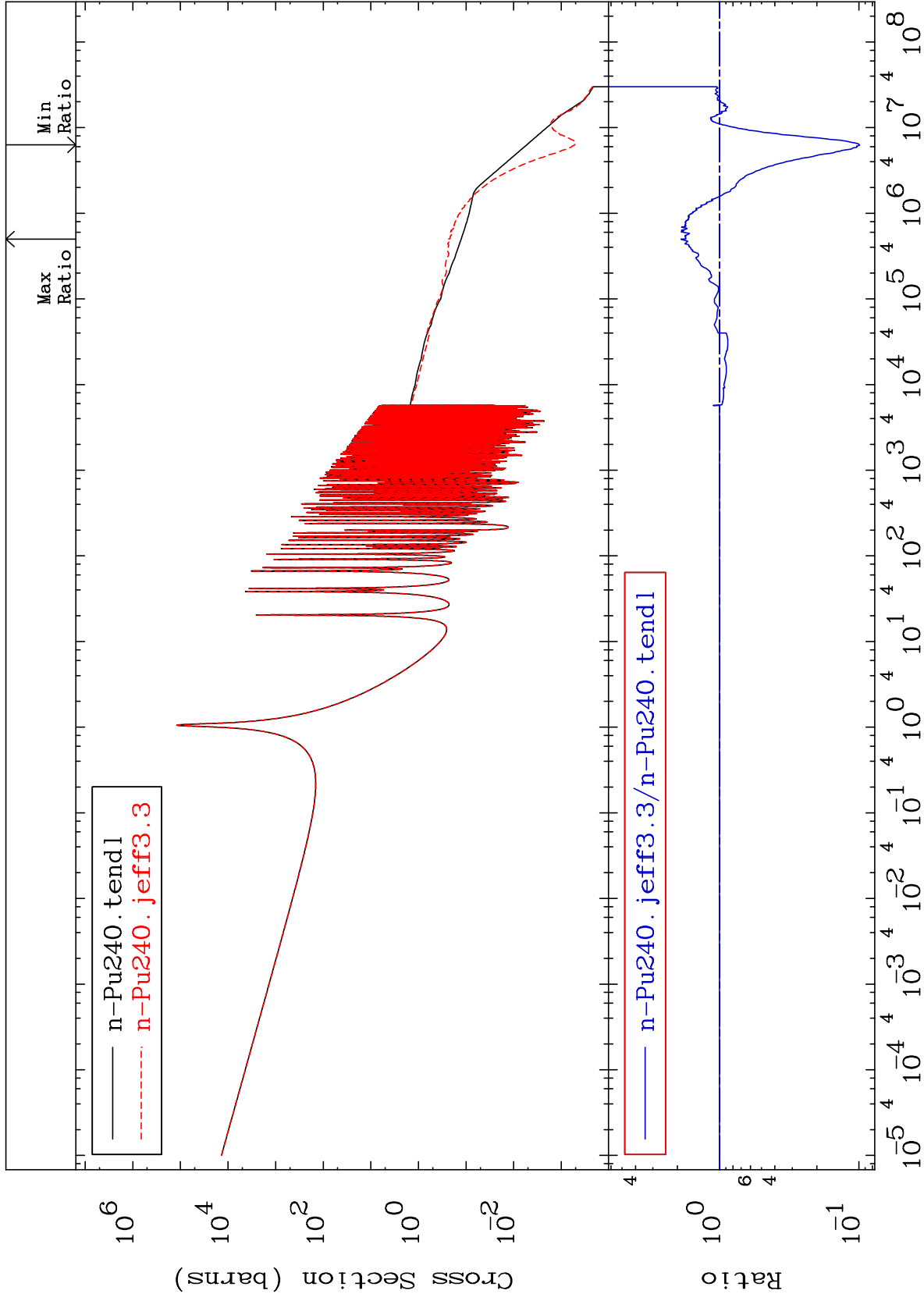




MAT 9440

(n, γ)
Cross Section

94-Pu-240
-90.11 To 89.39 %



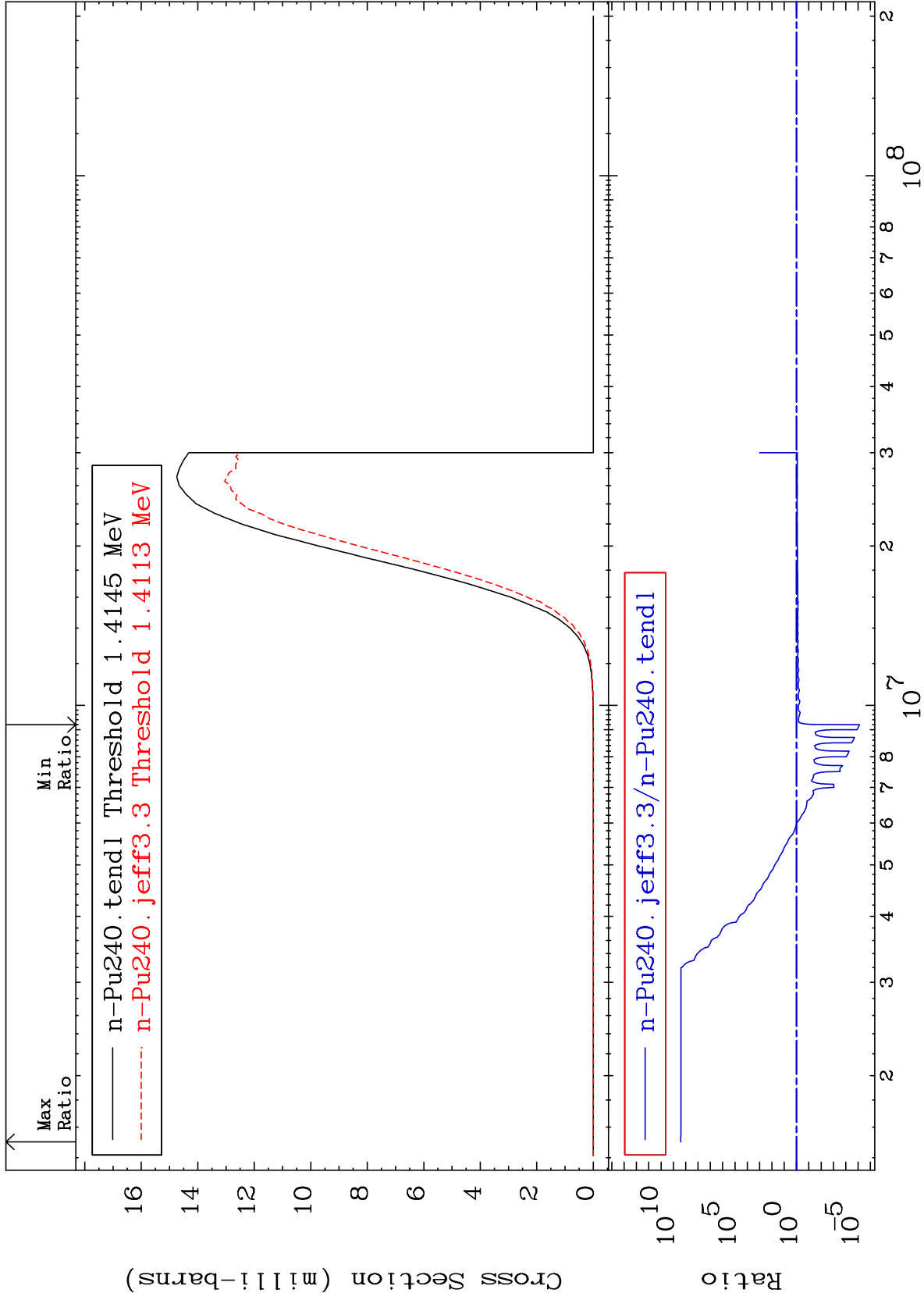
MAT 9440

(n,p)

94-Pu-240

Cross Section

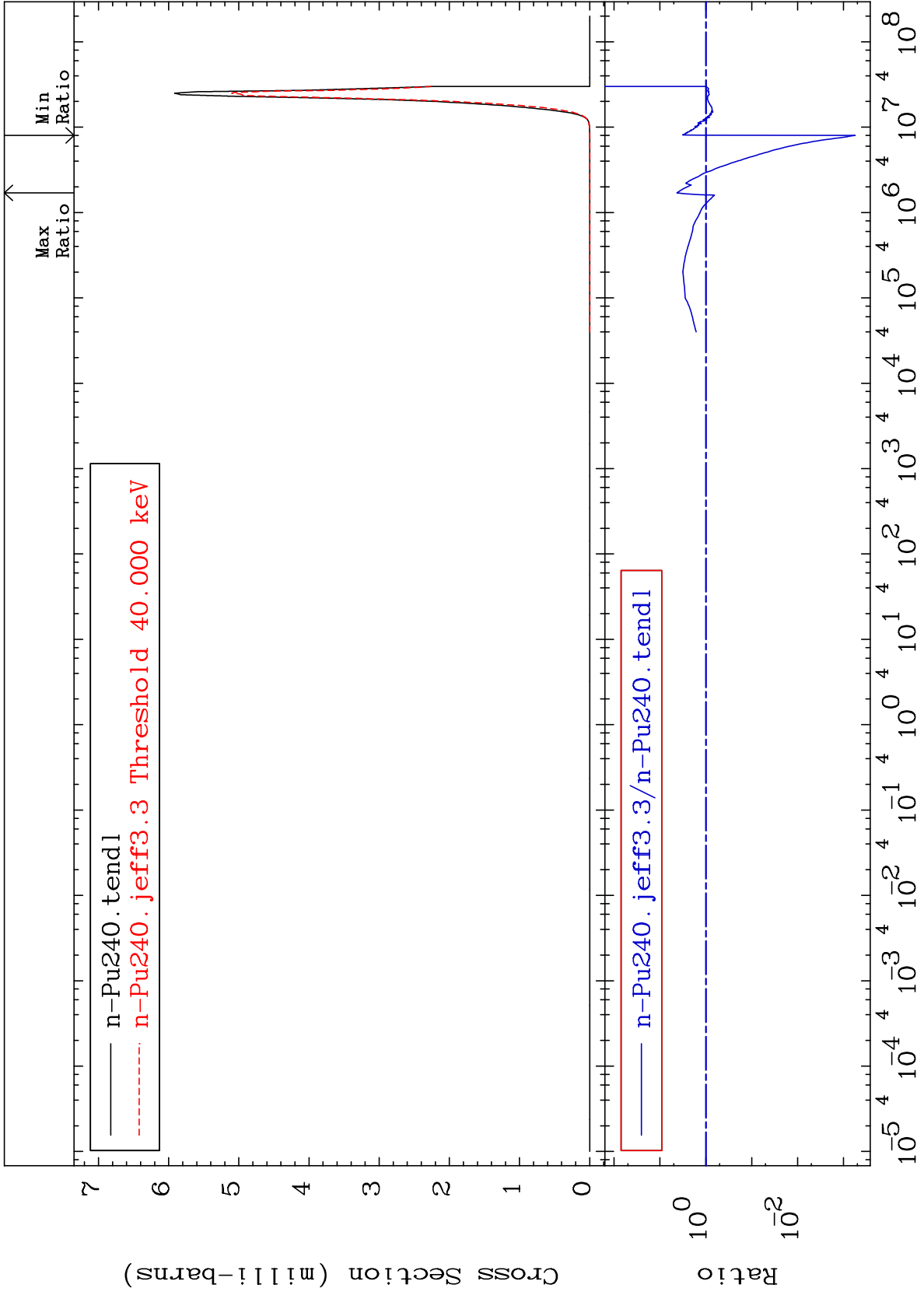
-100.0 To 9999. %



MAT 9440

(n, α)
Cross Section

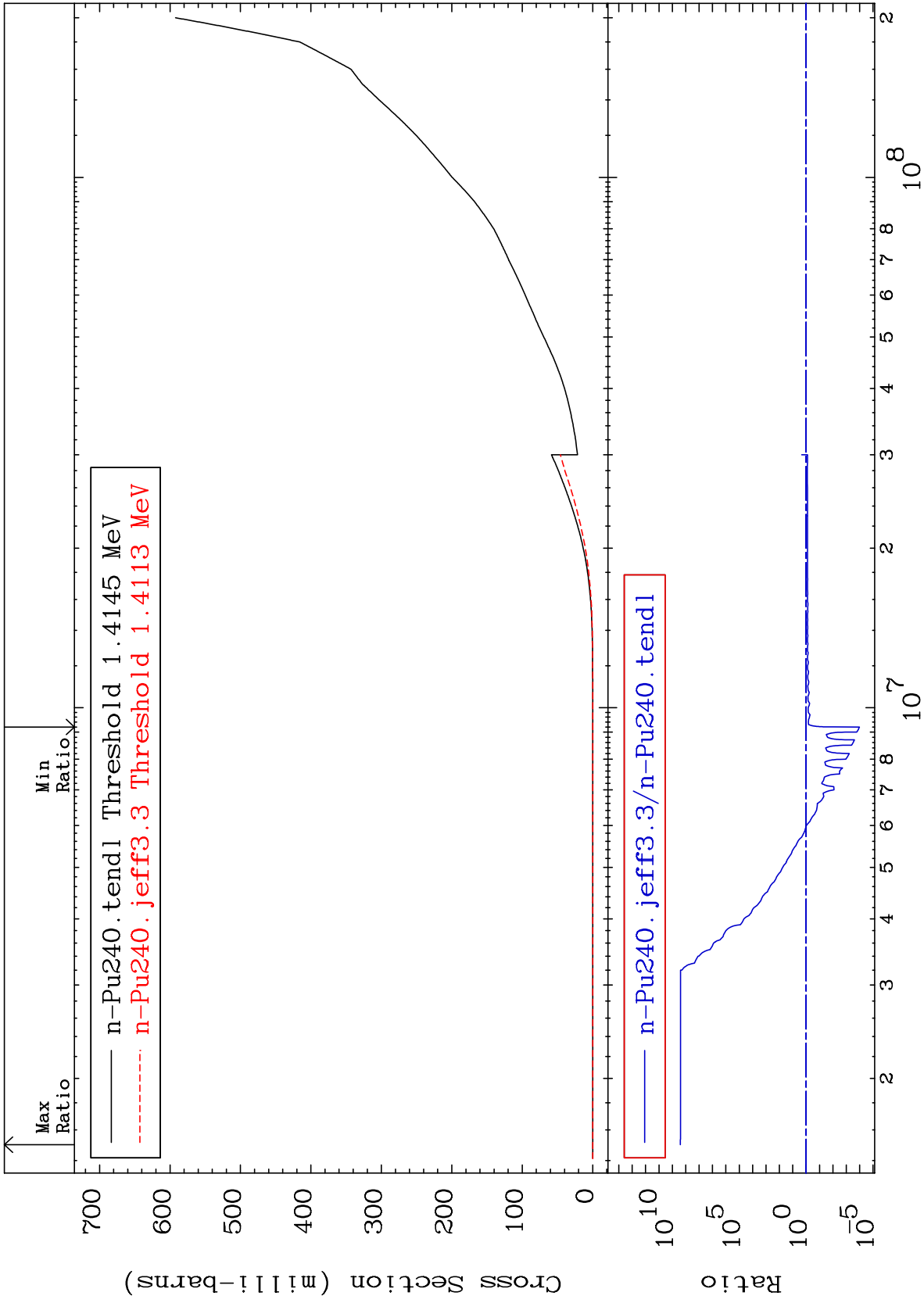
94-Pu-240
-99.94 To 326.9 %



MAT 9440

Hydrogen Production
Cross Section

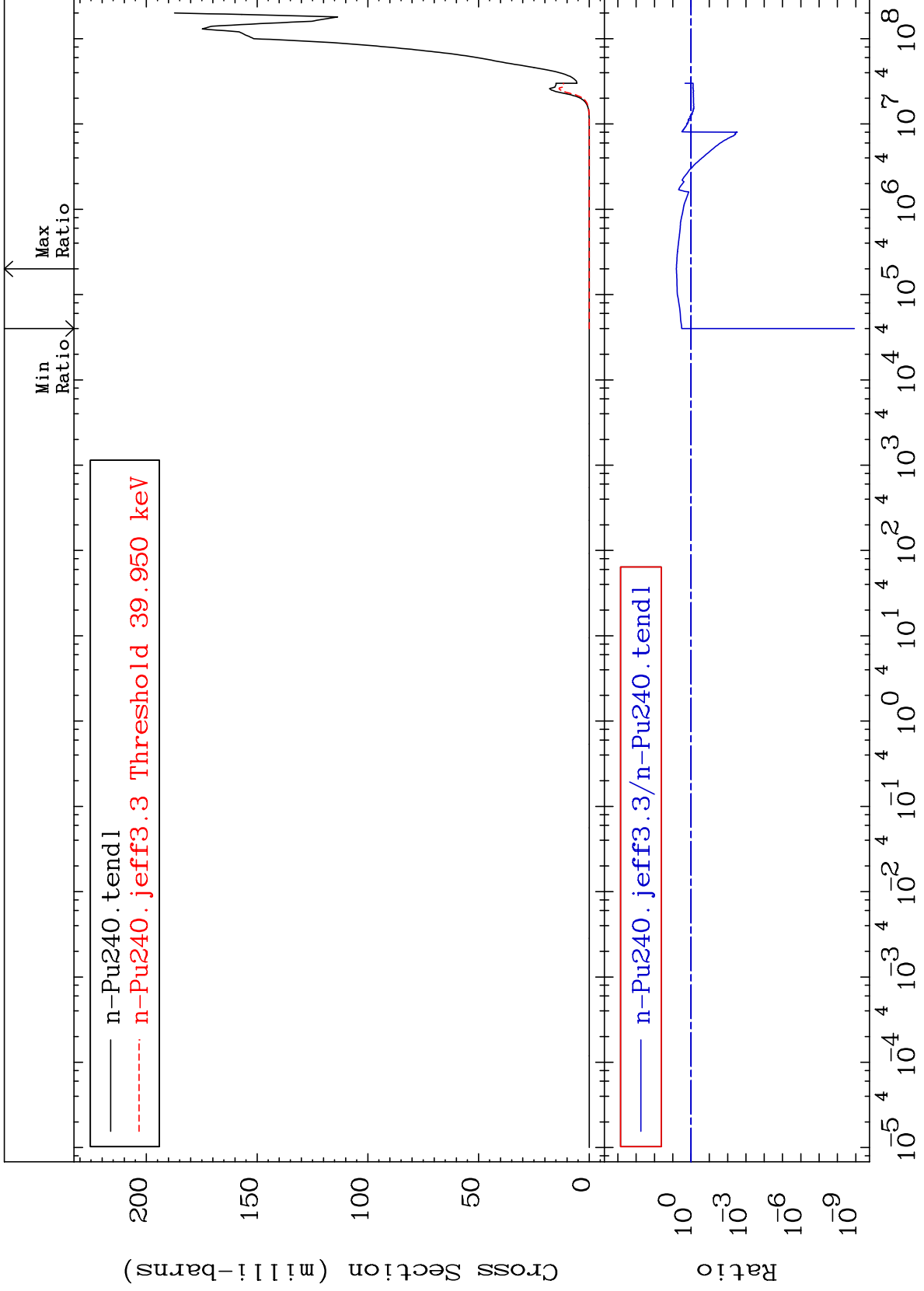
94-Pu-240
-99.99 To 9999. %



MAT 9440

He-4 Production
Cross Section

94-Pu-240
-100.0 To 535.6 %



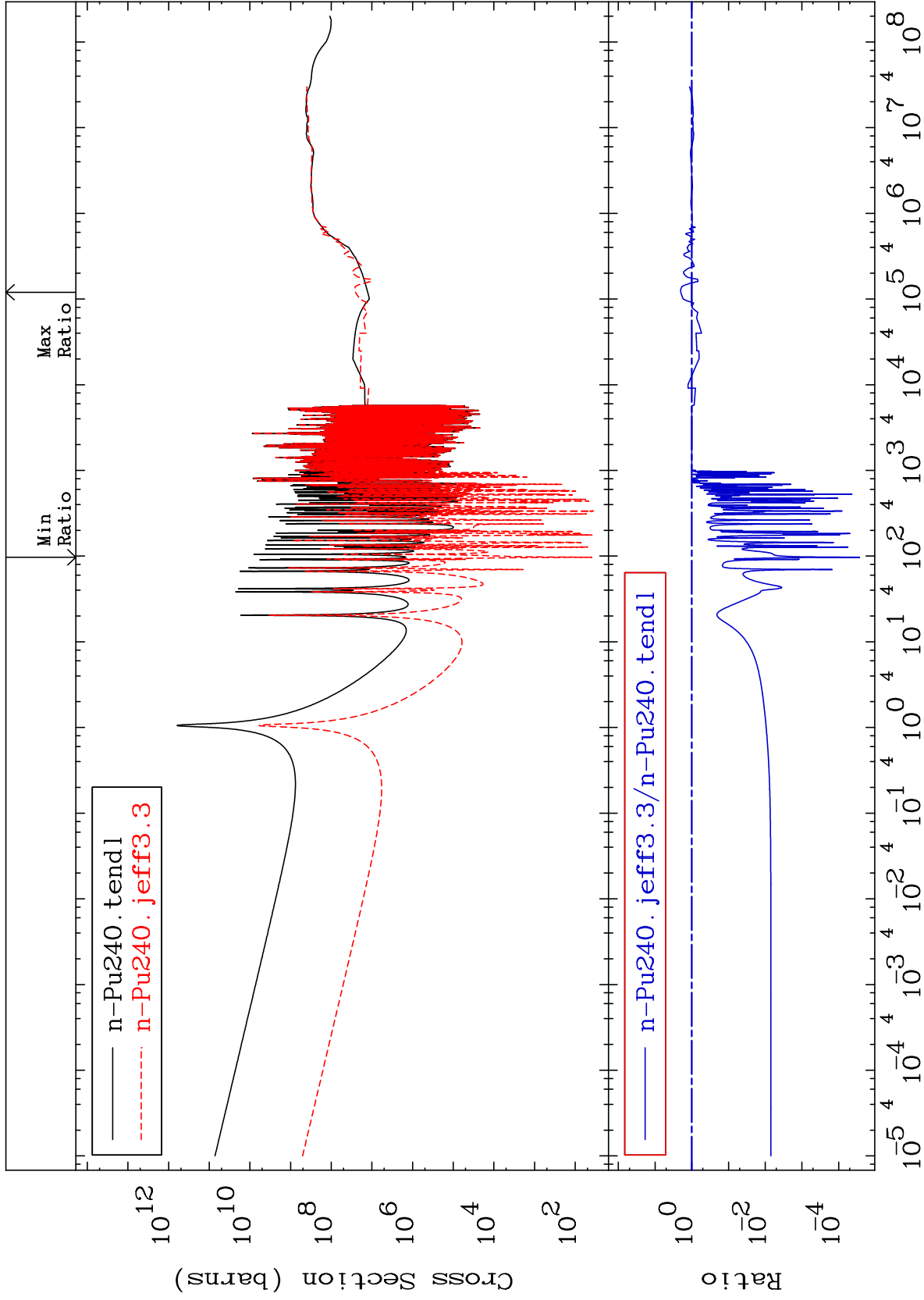
MAT 9440

Kerma total (eV-barns)

94-Pu-240

Cross Section

-100.0 To 99.71 %



50

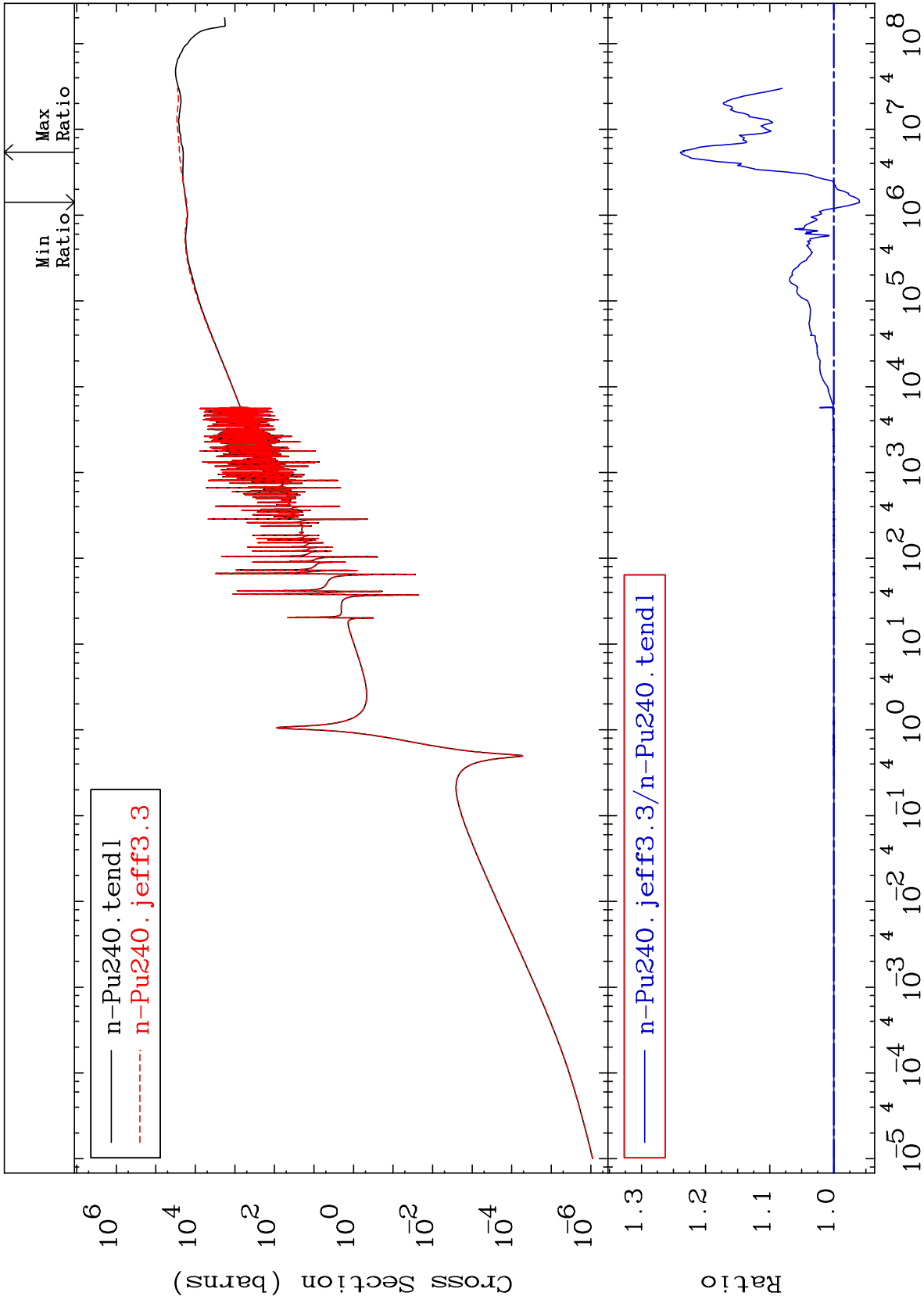
Incident Energy (eV)

94-Pu-240

MAT 9440

Kerma elastic
Cross Section

94-Pu-240
-3.997 To 23.93 %



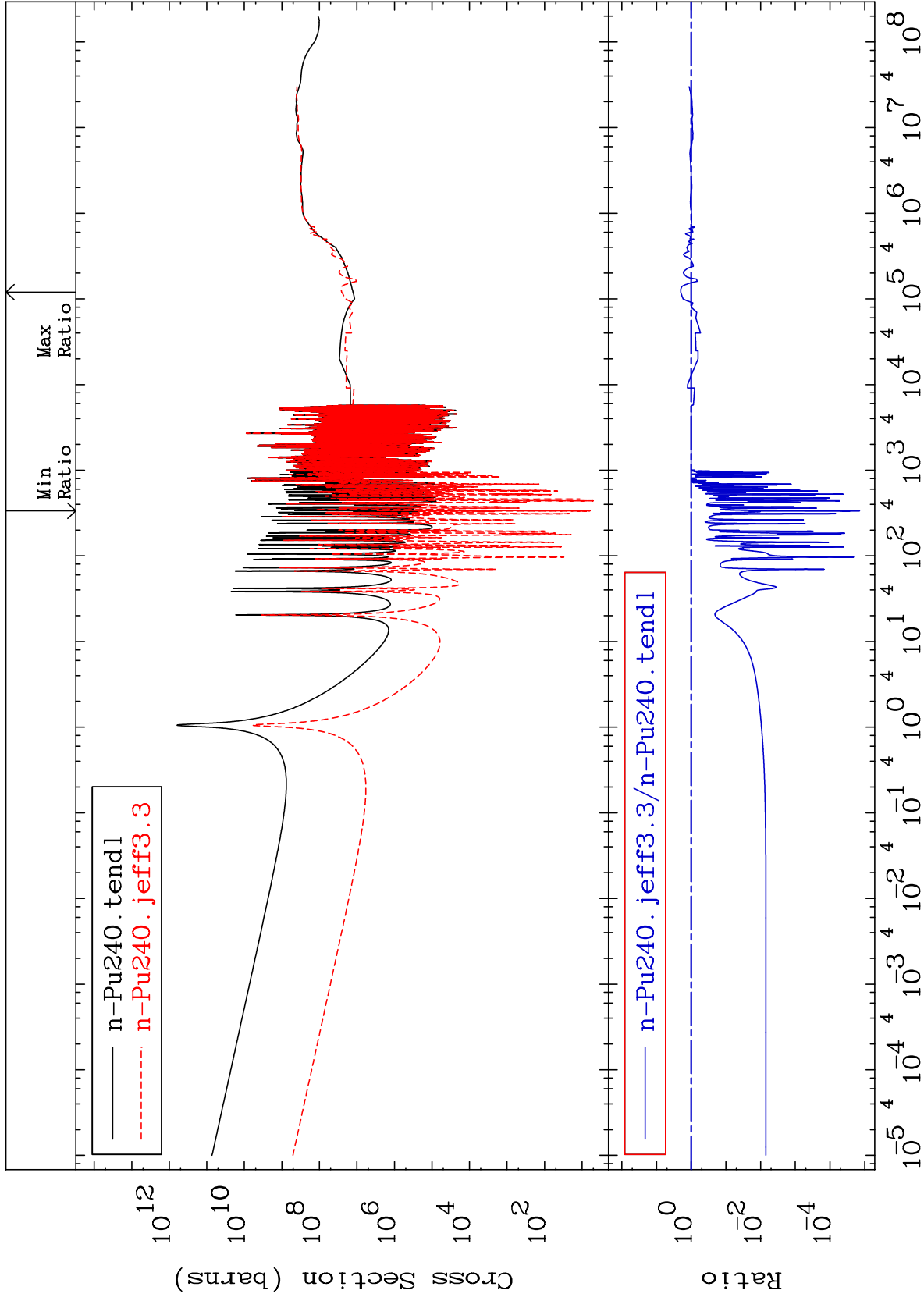
MAT 9440

Kerma non-elastic (all but mt2)

94-Pu-240

Cross Section

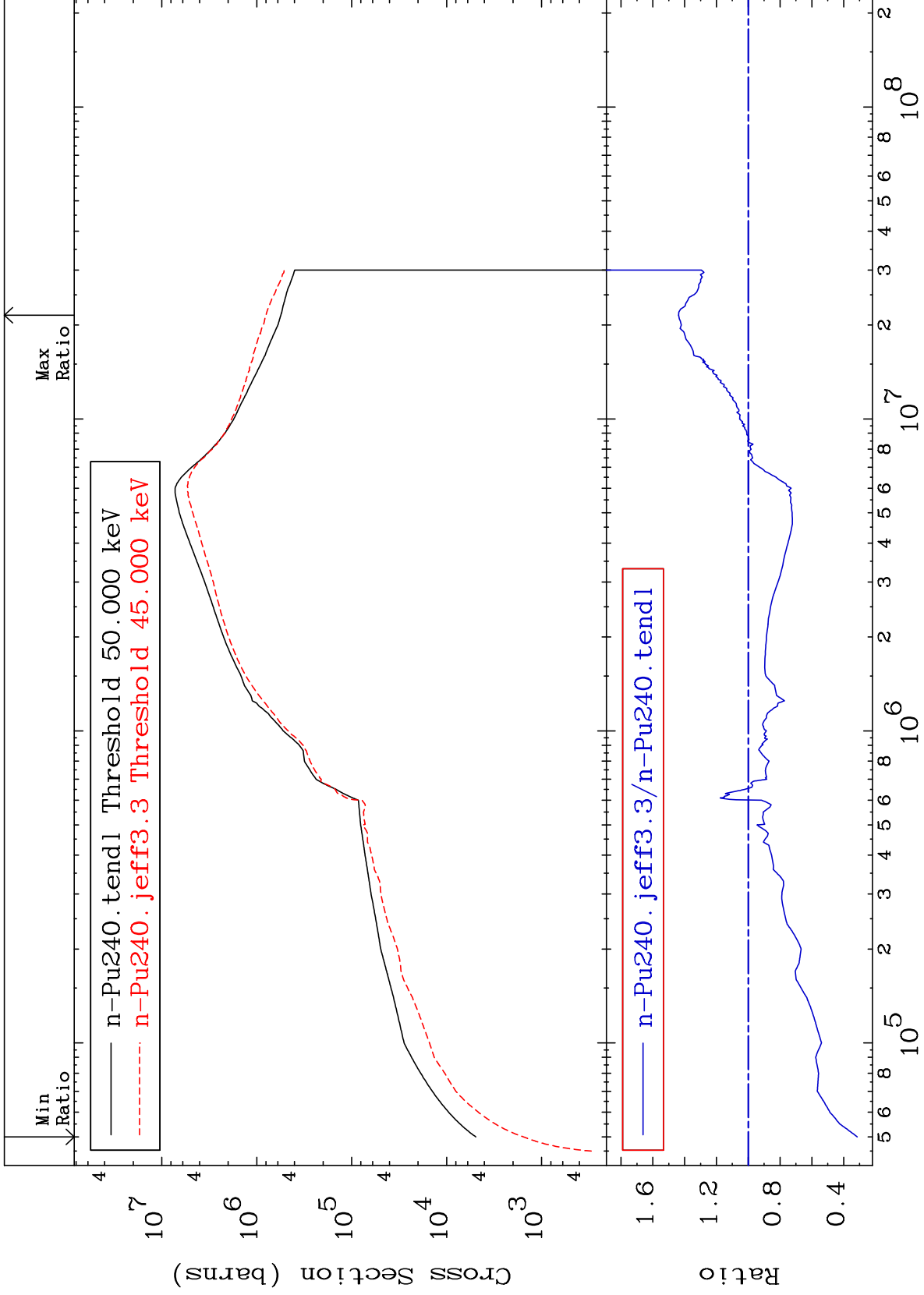
-100.0 To 99.77 %



MAT 9440

Kerma inelastic (mt51-91)
Cross Section

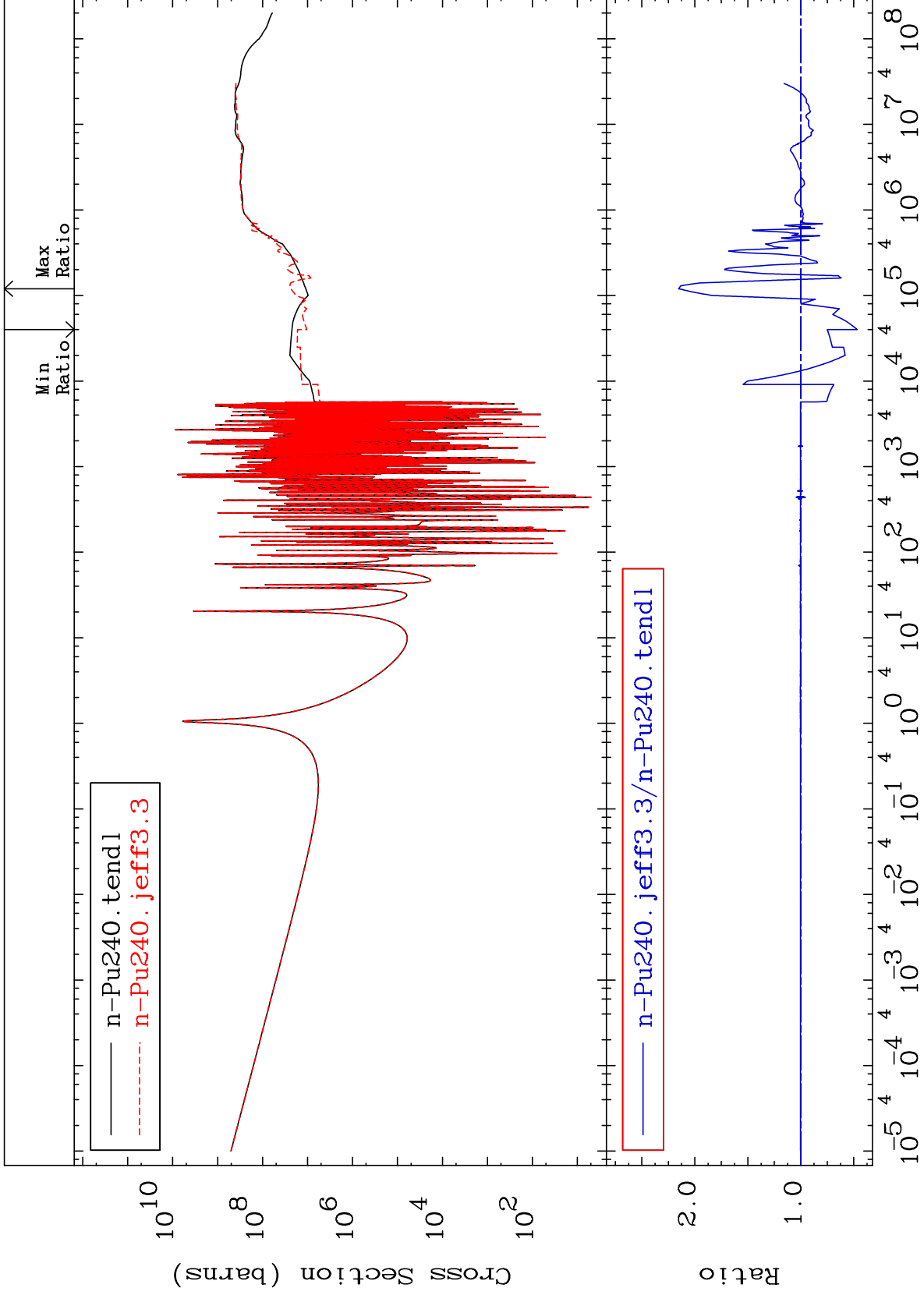
94-Pu-240
-68.56 To 43.78 %



MAT 9440

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

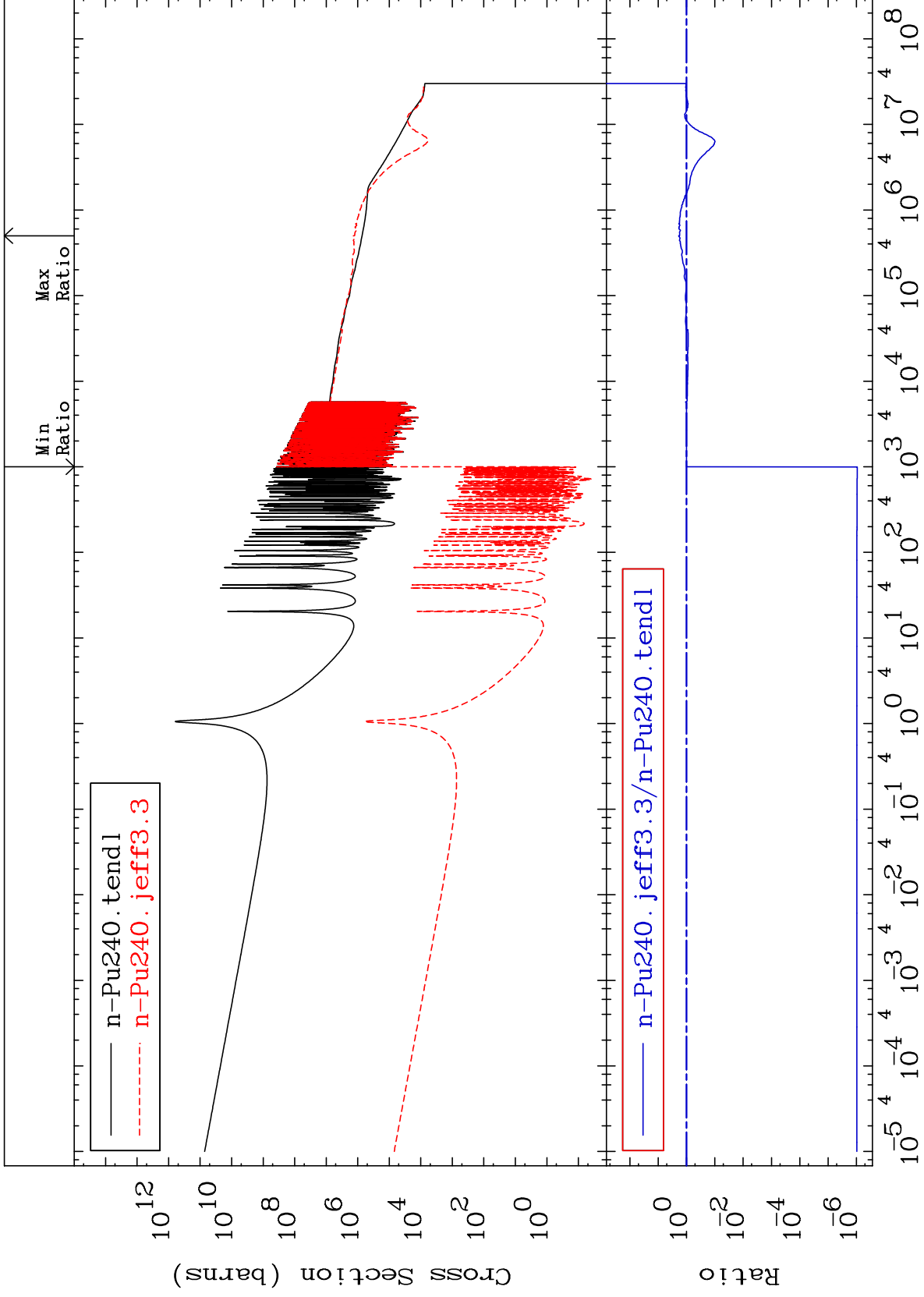
94-Pu-240
-53.27 To 115.3 %



MAT 9440

Kerma capture (mt102)
Cross Section

94-Pu-240
-100.0 To 89.39 %

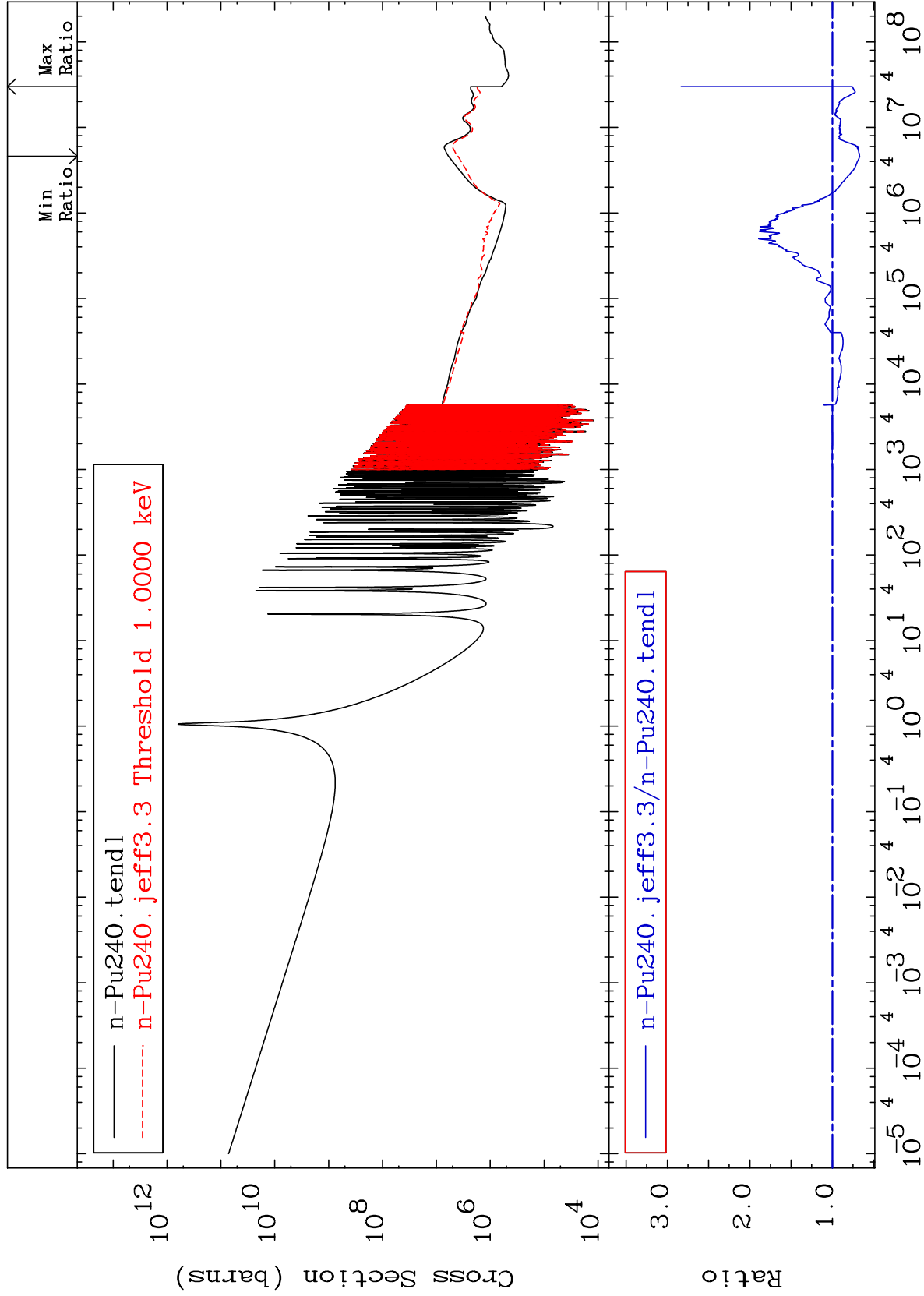


MAT 9440

Total photon (eV-barns)
Cross Section

94-Pu-240

-33.11 To 183.2 %



56

Incident Energy (eV)

94-Pu-240

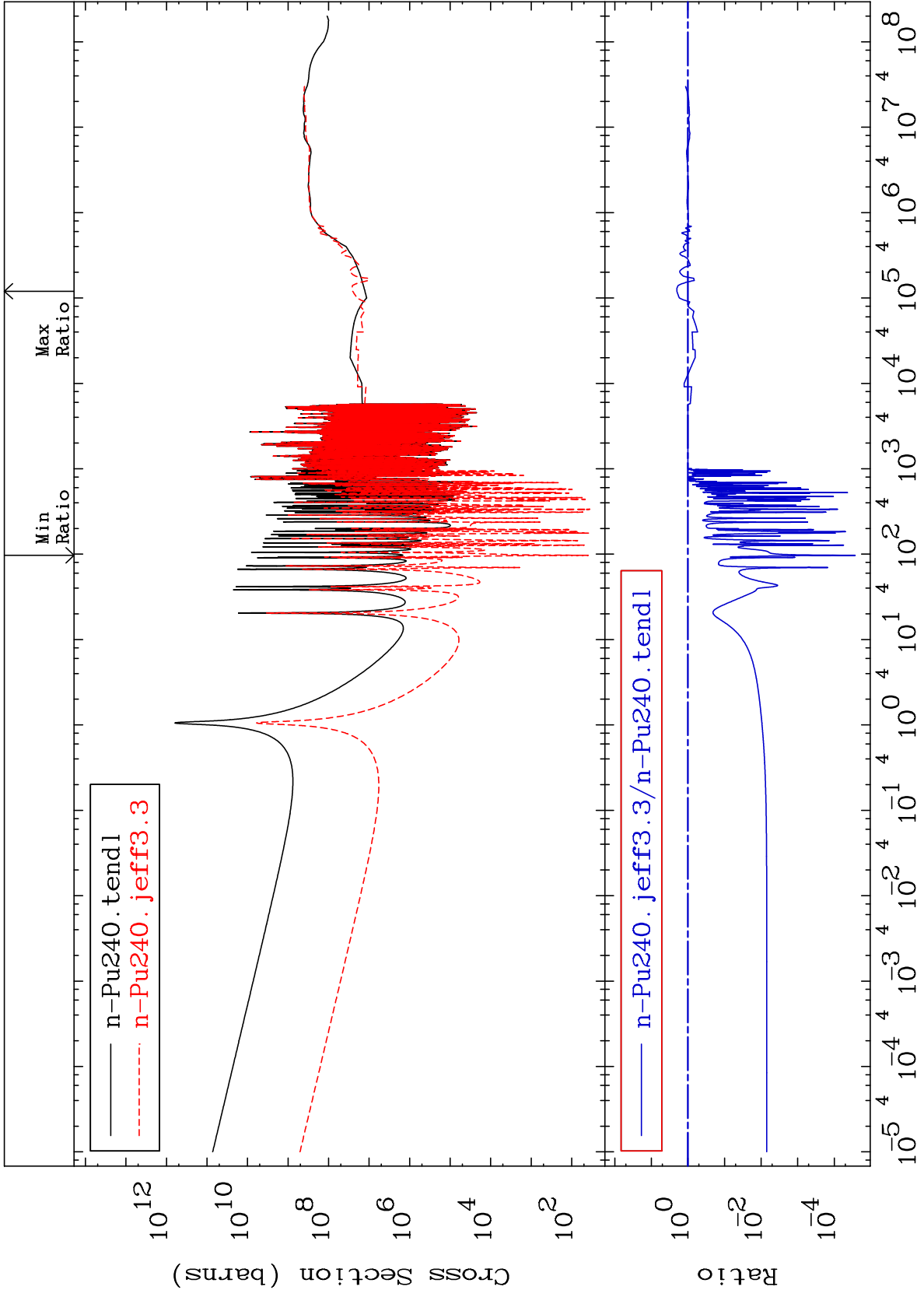
MAT 9440

Total kinematic kerma (high limit)

94-Pu-240

Cross Section

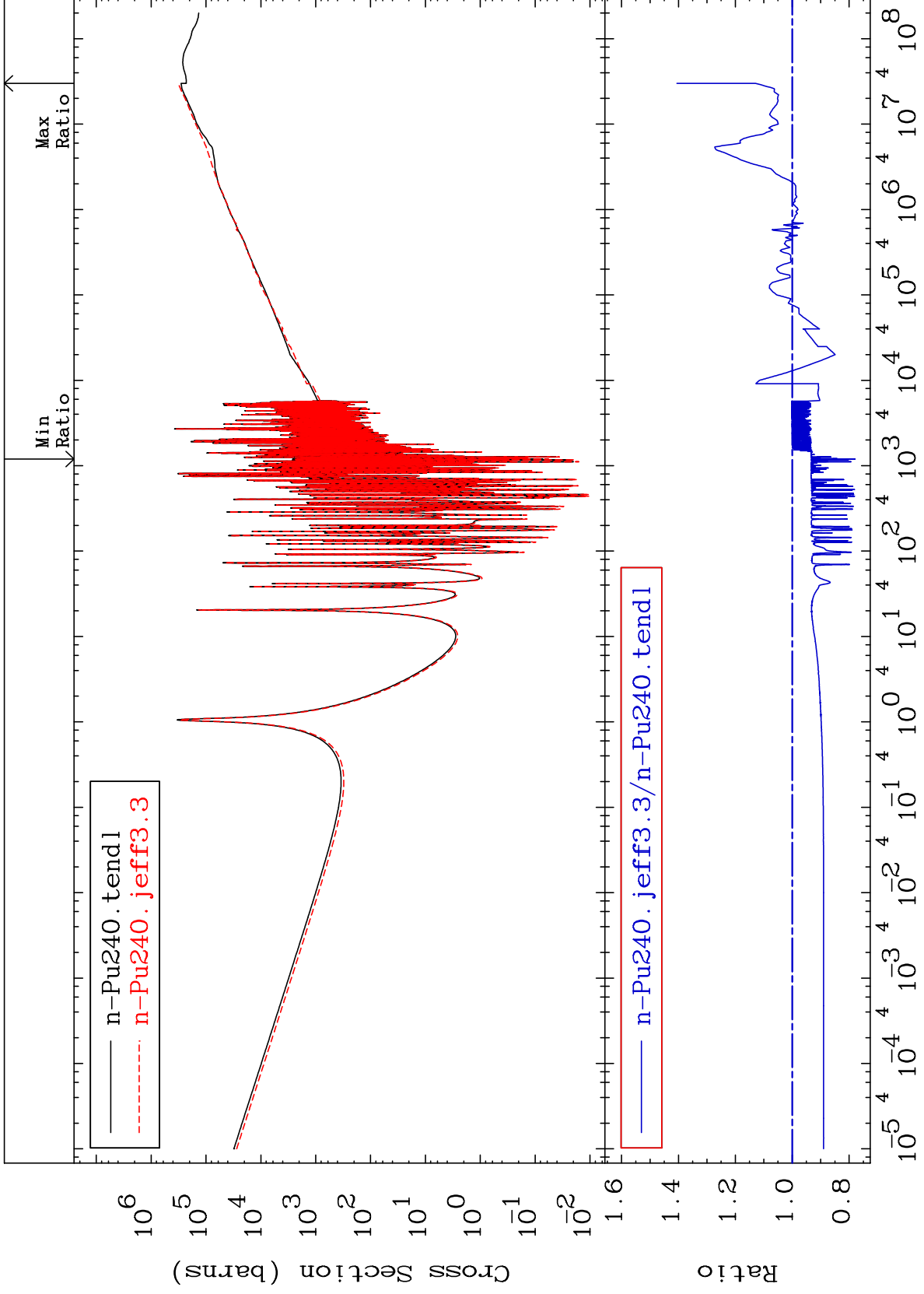
-100.0 To 100.1 %



MAT 9440

Dpa total (eV-barns)
Cross Section

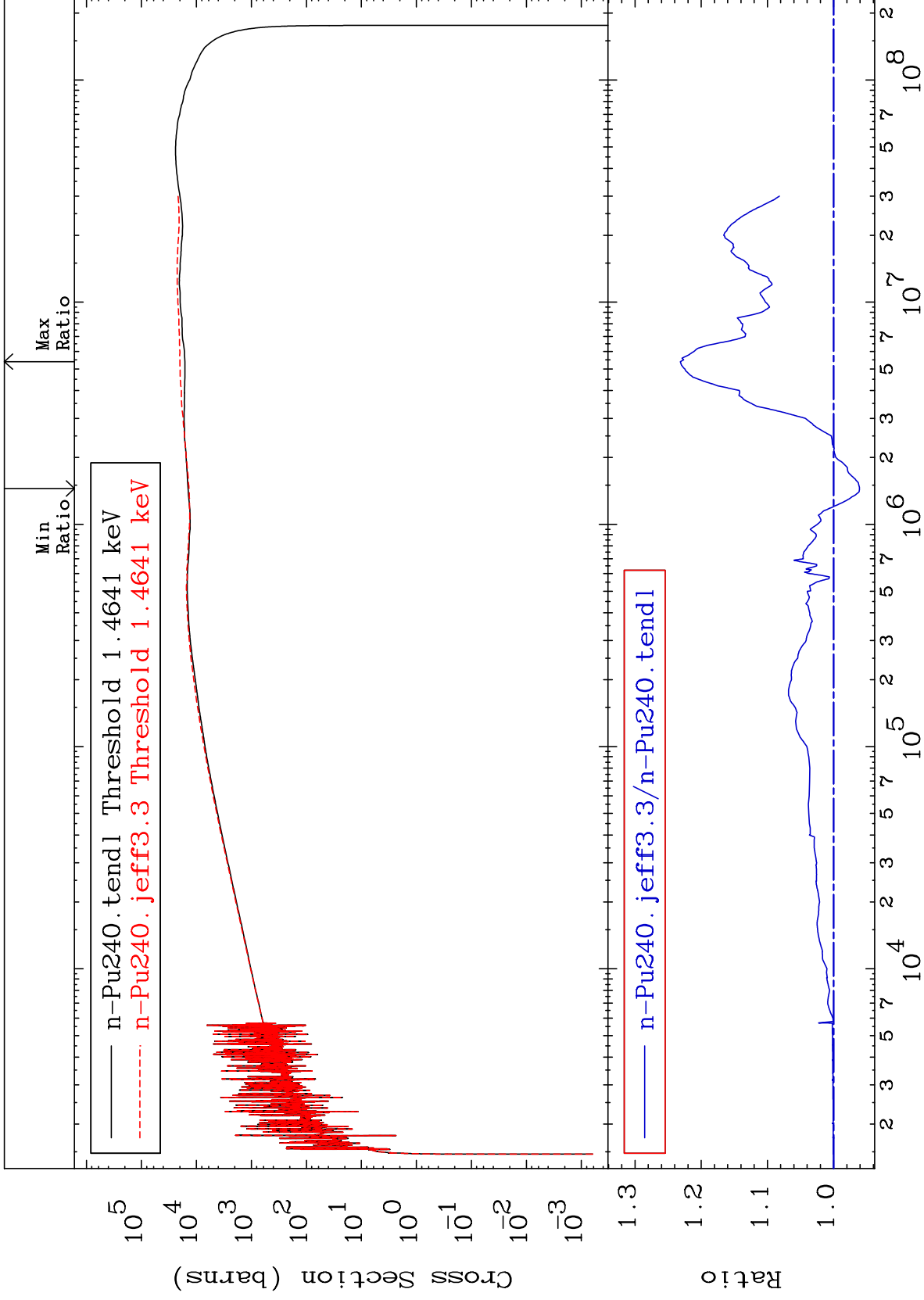
94-Pu-240
-22.11 To 40.54 %



MAT 9440

Dpa elastic (mt2)
Cross Section

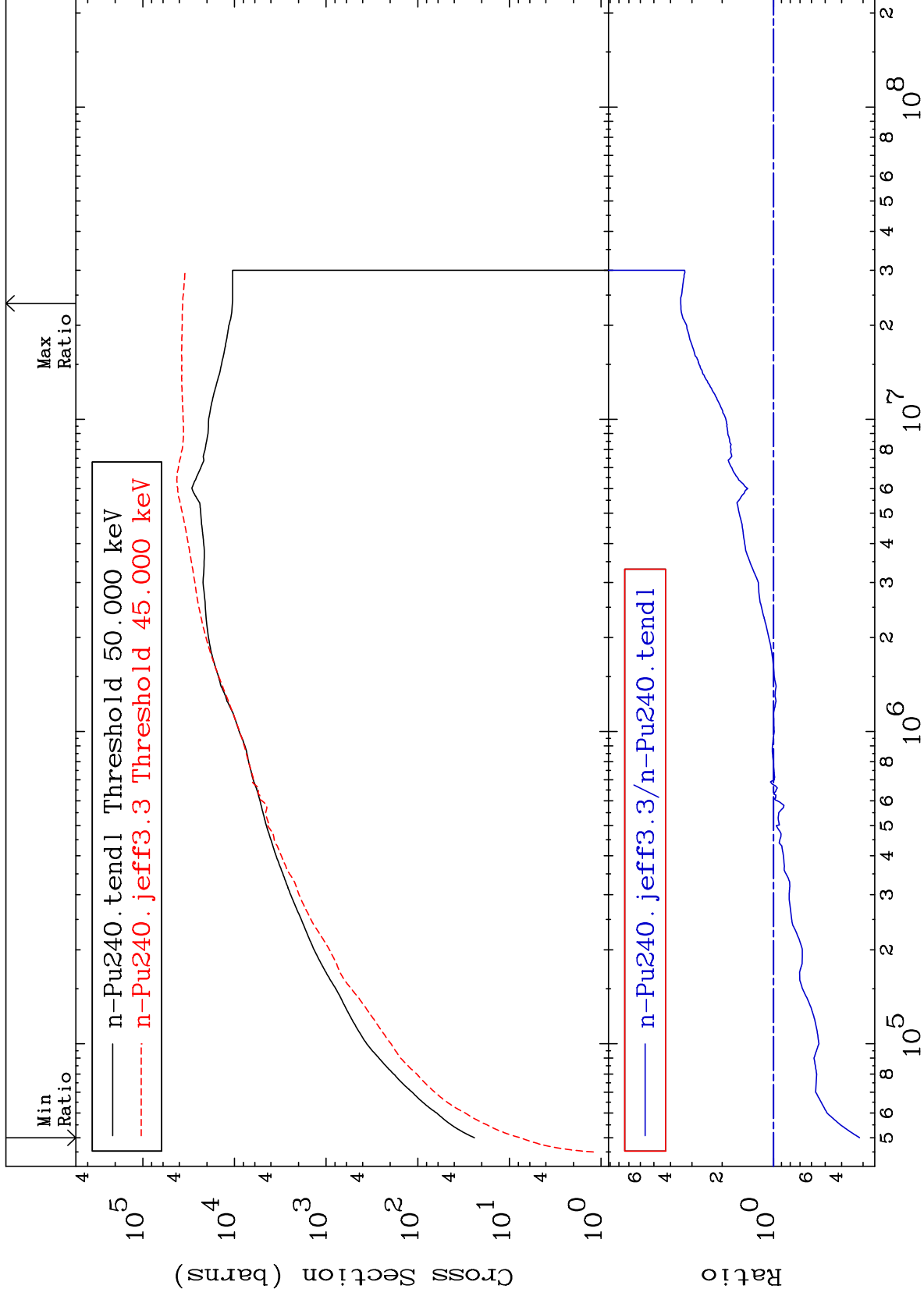
94-Pu-240
-3.896 To 23.15 %



MAT 9440

Dpa inelastic (mt51-91)
Cross Section

94-Pu-240
-68.53 To 248.4 %



60

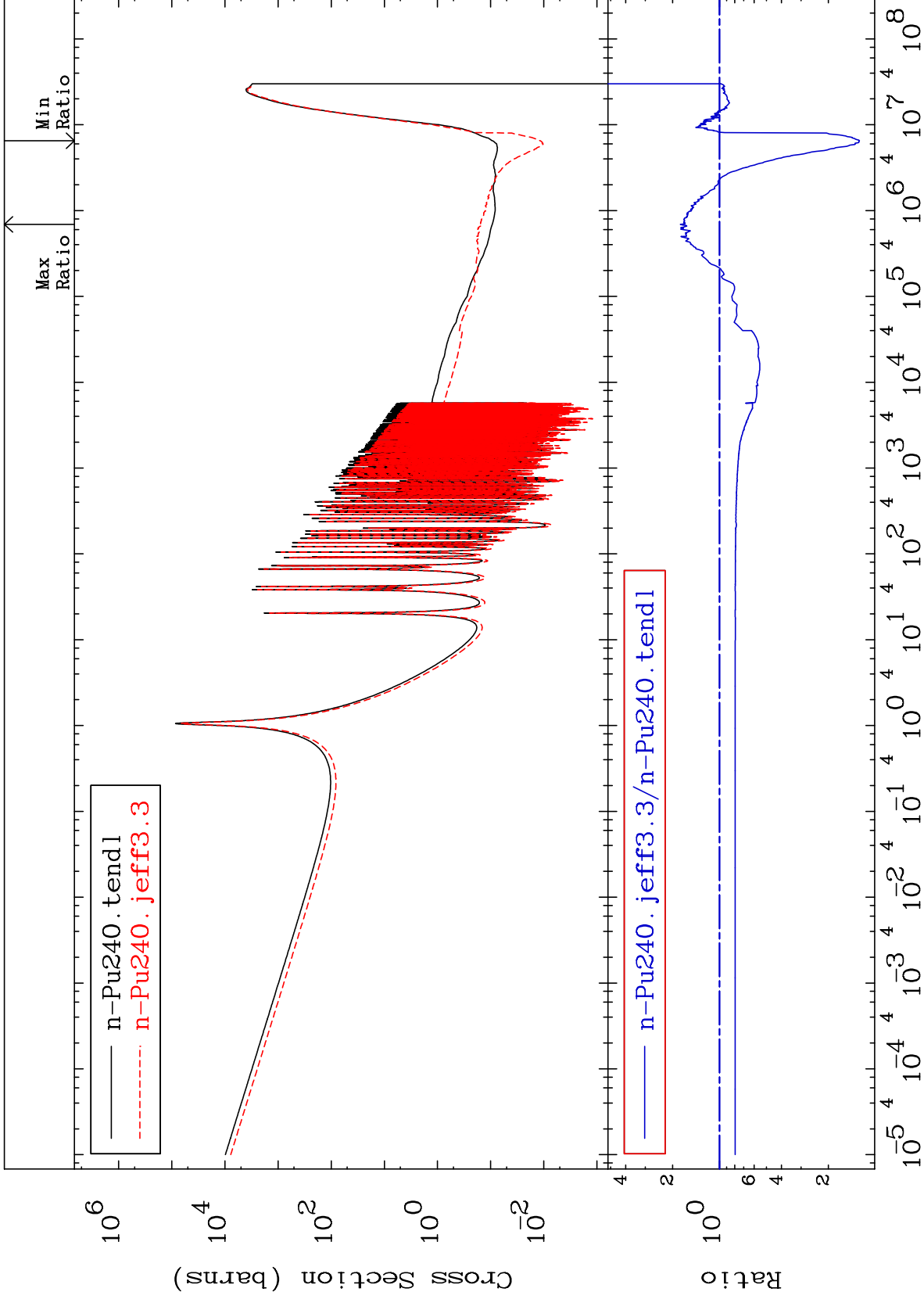
Incident Energy (eV)

94-Pu-240

MAT 9440

Dpa disappearance (mt102 -120)
Cross Section

94-Pu-240
-87.35 To 78.42 %



61

Incident Energy (eV)

94-Pu-240

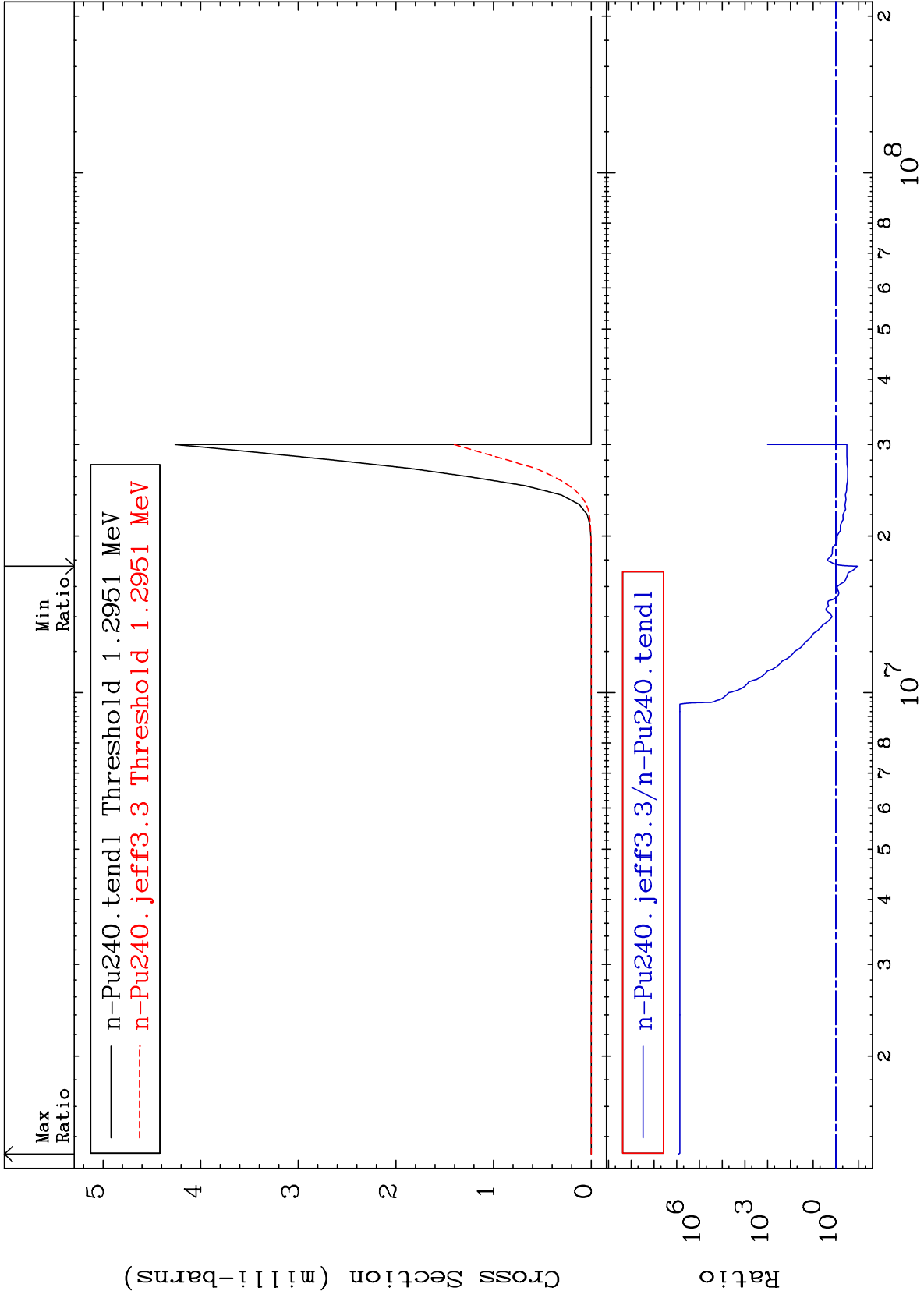
MAT 9440

(n,2n) α : 92-U -235g

94-Pu-240

Radionuclide Production Cross Section

-88.53 To 9999. %



MAT 9440

(n,2n) α :92-U -235m1

94-Pu-240

Radionuclide Production Cross Section

-94.03 To 9999. %

