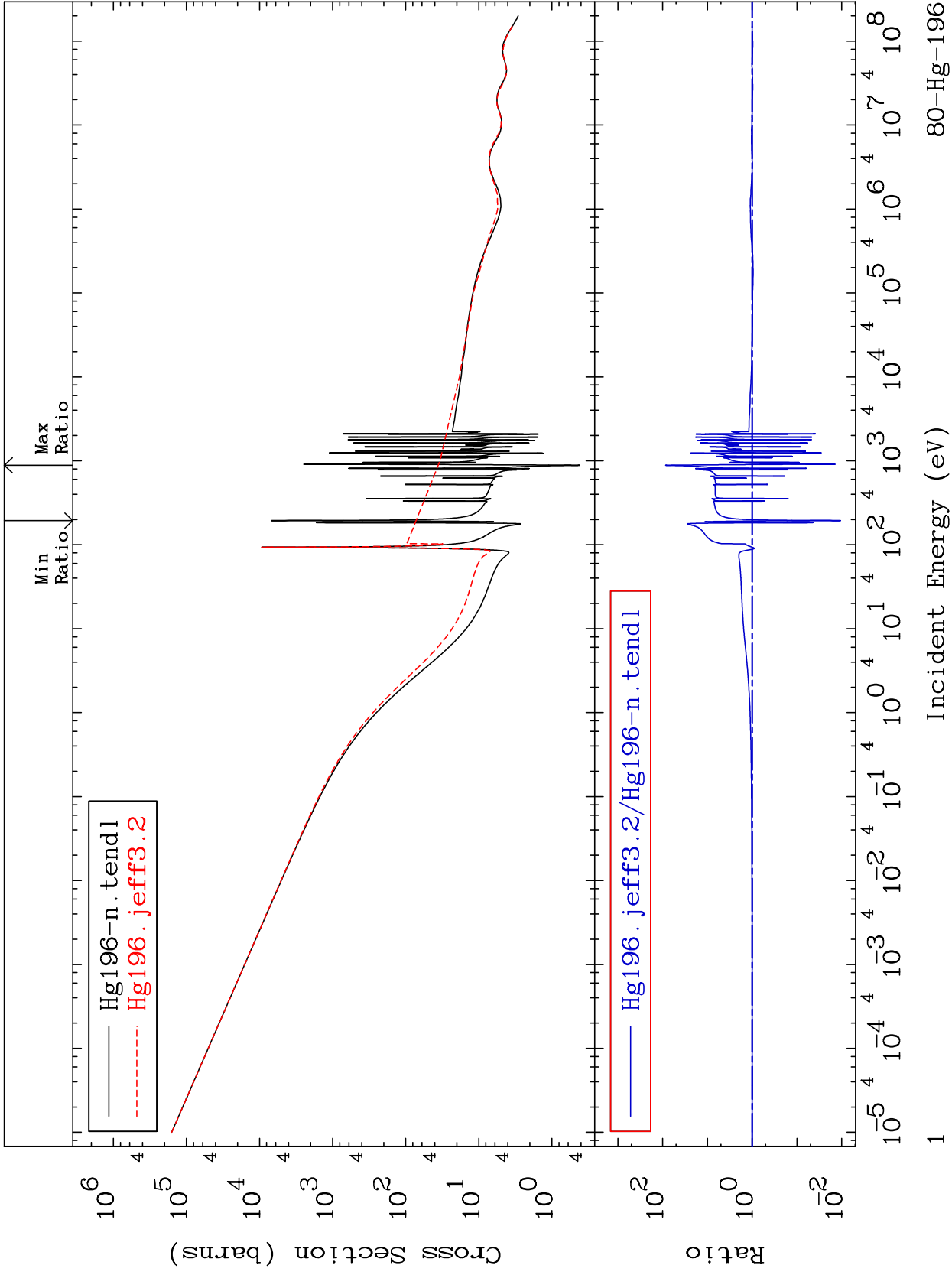


MAT 8025

Total Cross Section
80-Hg-196
-98.94 To 8548. %

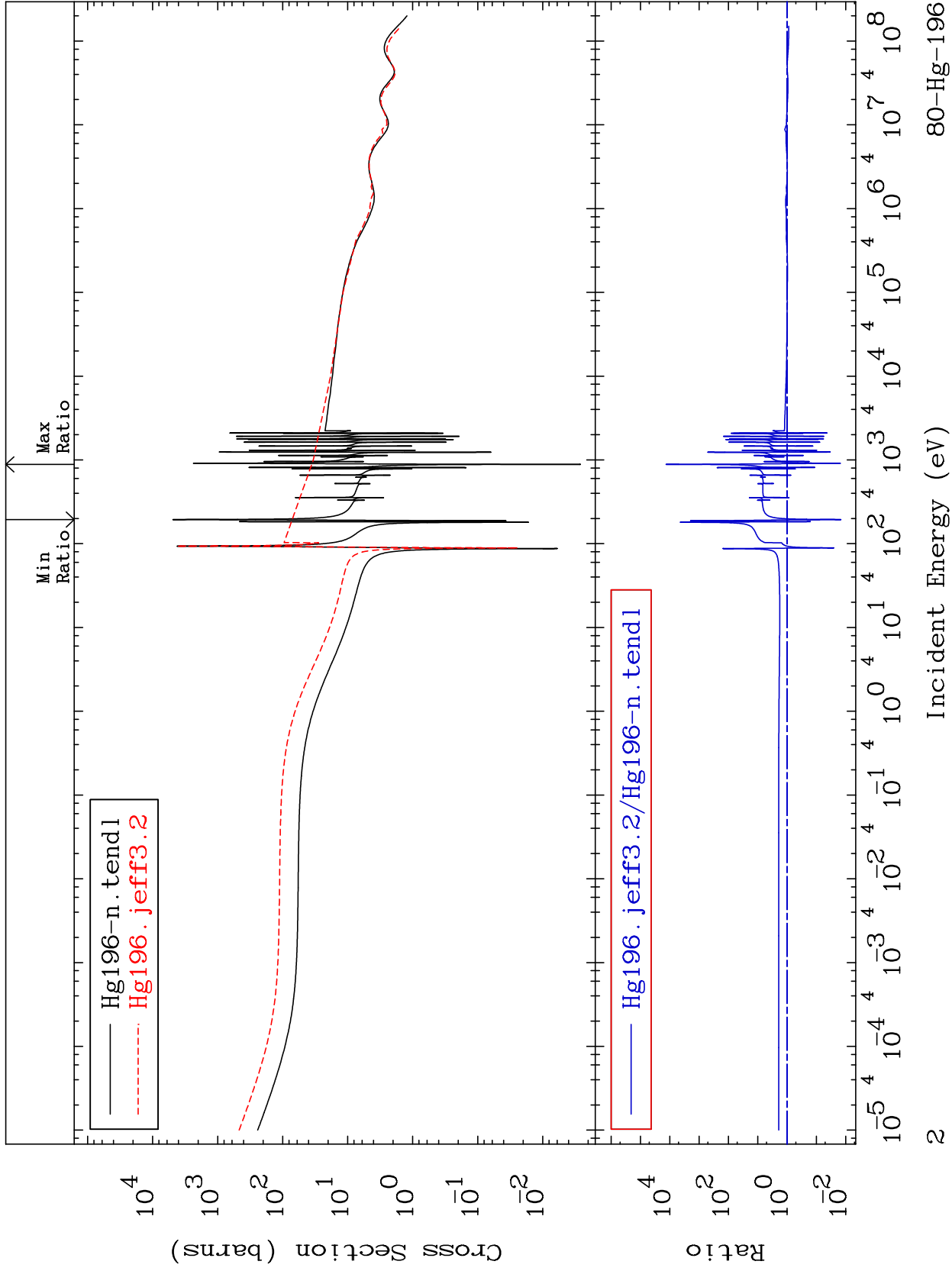


80-Hg-196

MAT 8025

Elastic
Cross Section

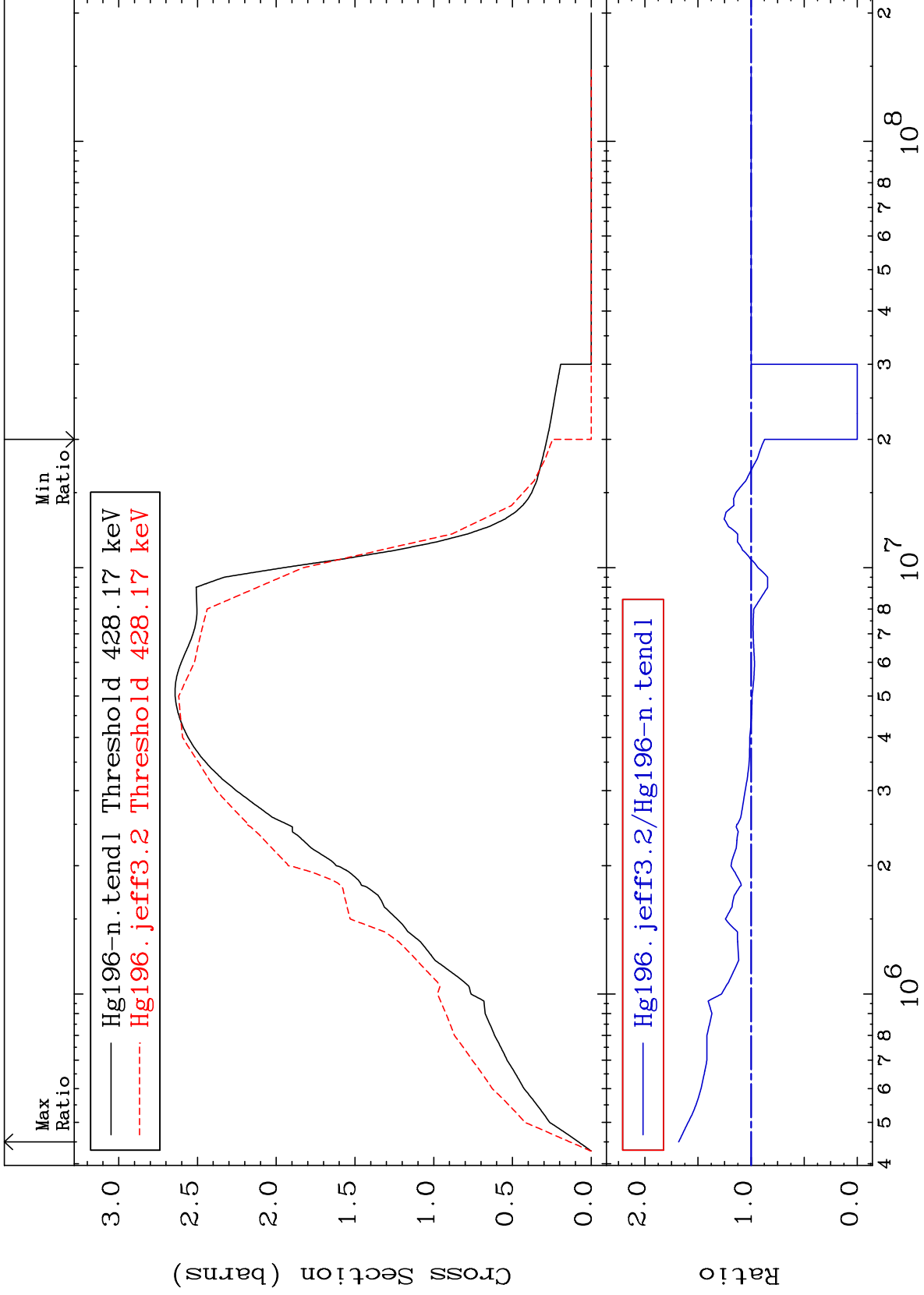
80-Hg-196
-98.54 To 9999. %



MAT 8025

Inelastic
Cross Section

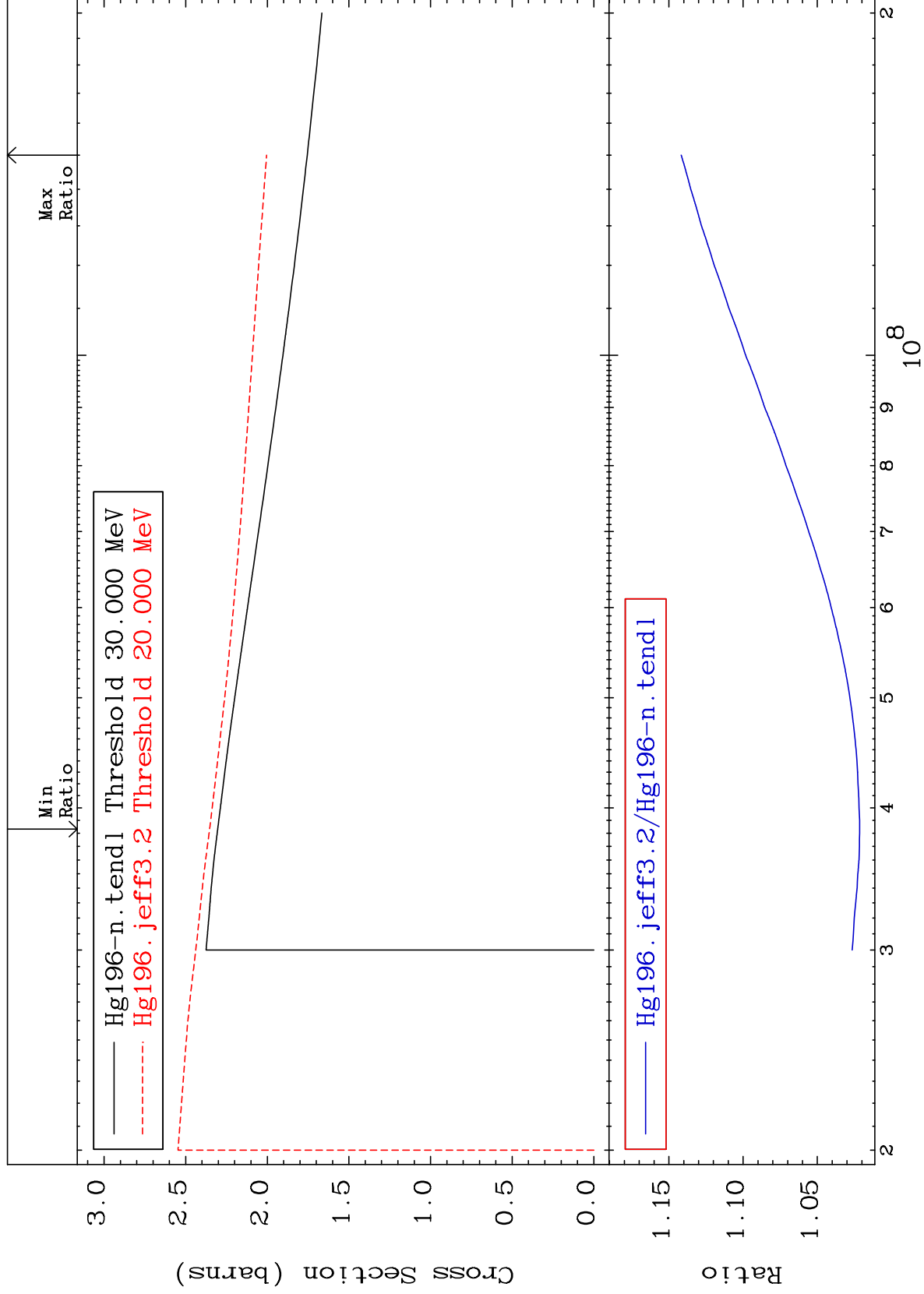
80-Hg-196
-100.0 To 68.27 %



MAT 8025

(n, remainder)
Cross Section

80-Hg-196
2.148 To 14.17 %



4

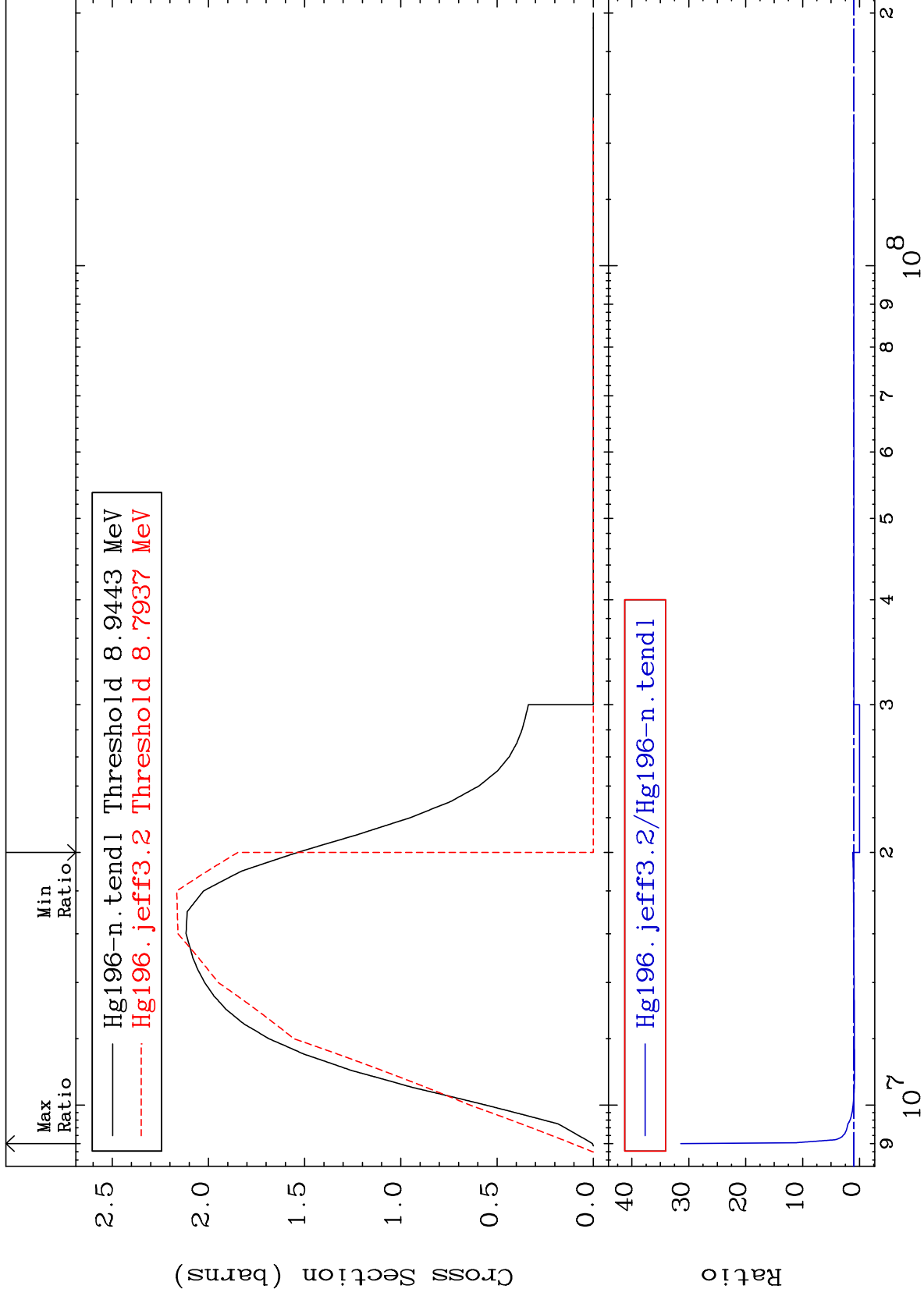
Incident Energy (eV)

80-Hg-196

MAT 8025

(n,2n)
Cross Section

80-Hg-196
-100.0 To 3041. %



Incident Energy (eV)

80-Hg-196

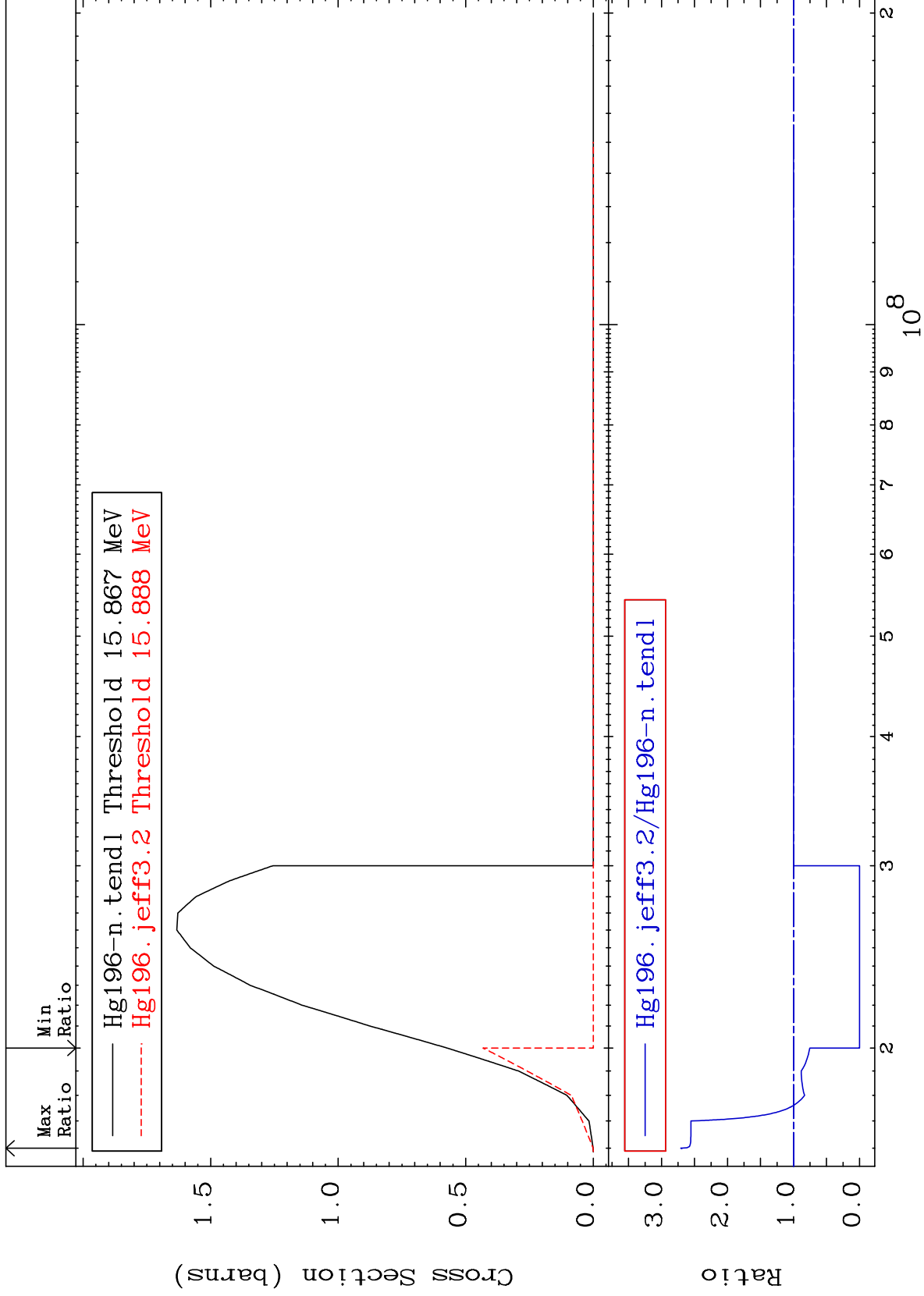
MAT 8025

(n,3n)

80-Hg-196

Cross Section

-100.0 To 170.9 %

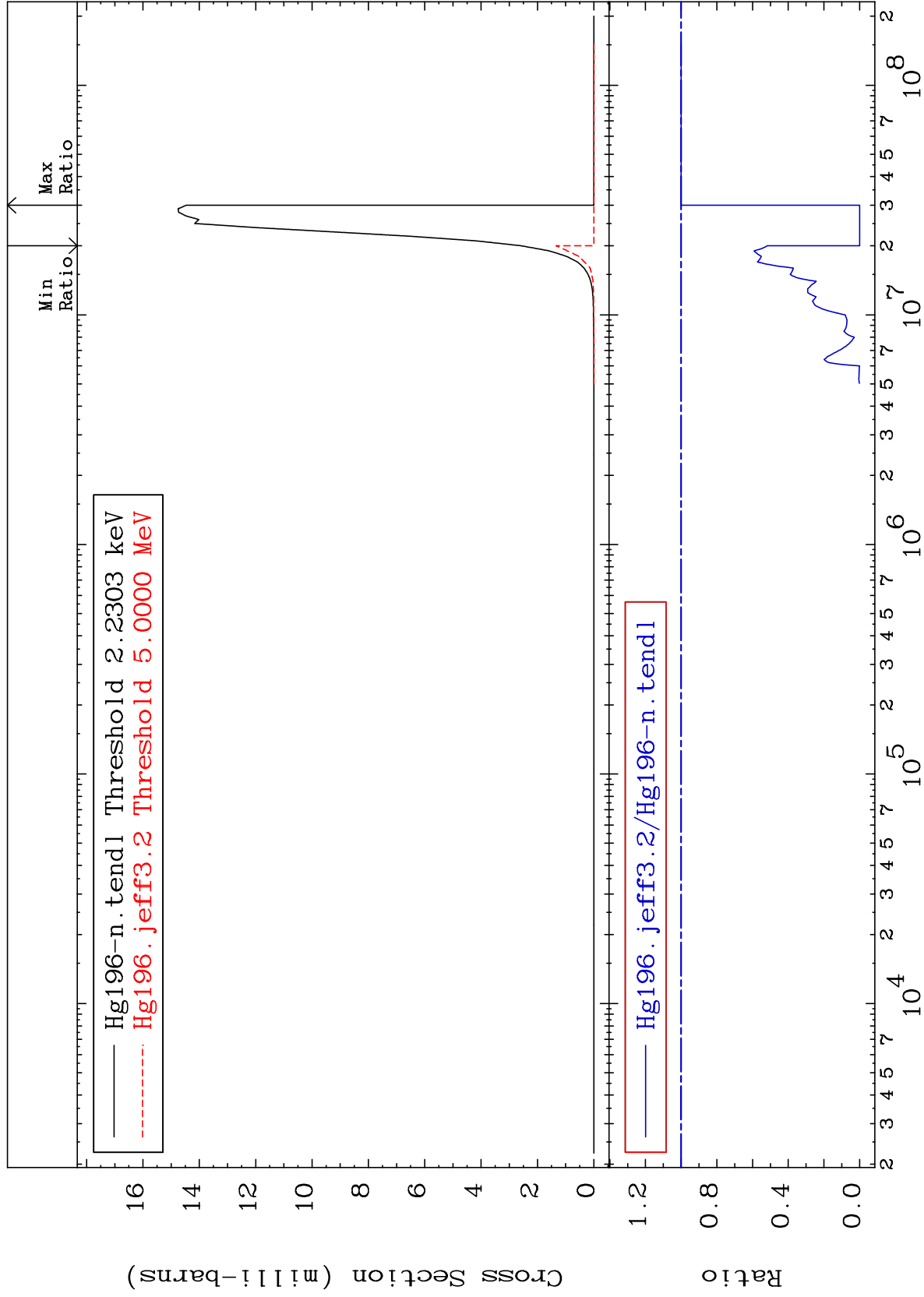


MAT 8025

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

80-Hg-196

-100.0 To 0.000 %



7

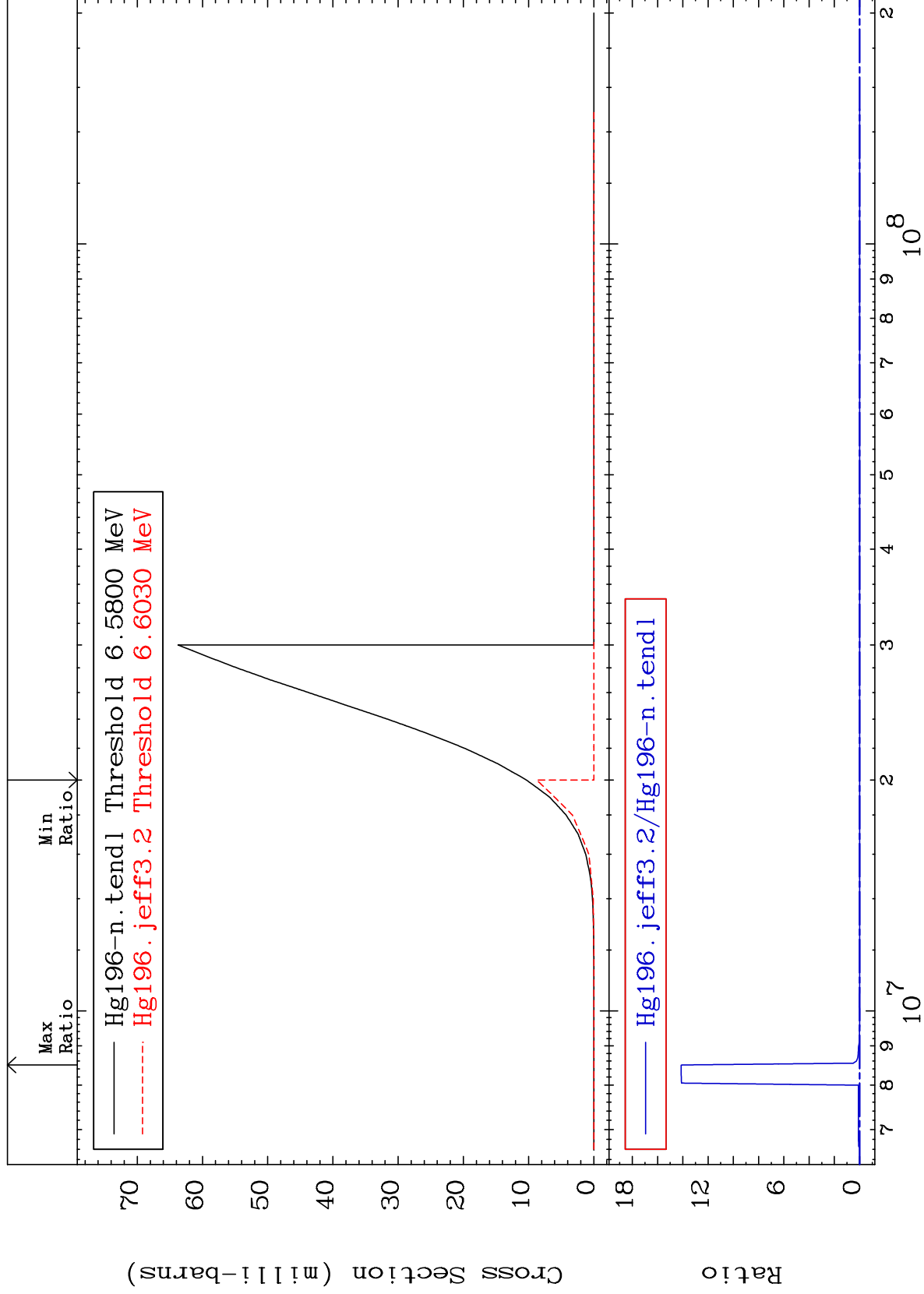
Incident Energy (eV)

80-Hg-196

MAT 8025

(n, n') p
Cross Section

80-Hg-196
-100.0 To 9999. %



8

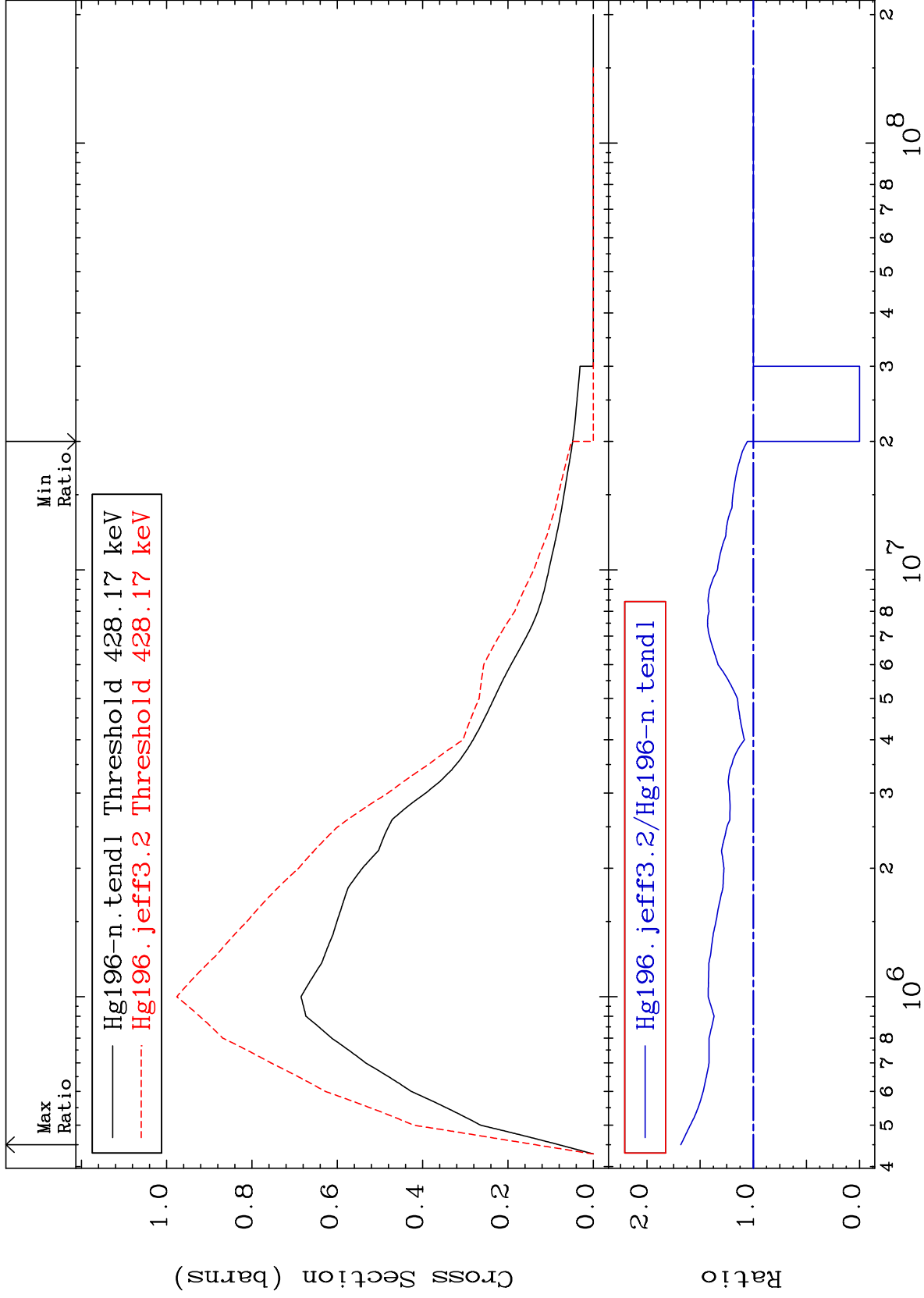
Incident Energy (eV)

80-Hg-196

MAT 8025

426.0 keV (n,n') Level
Cross Section

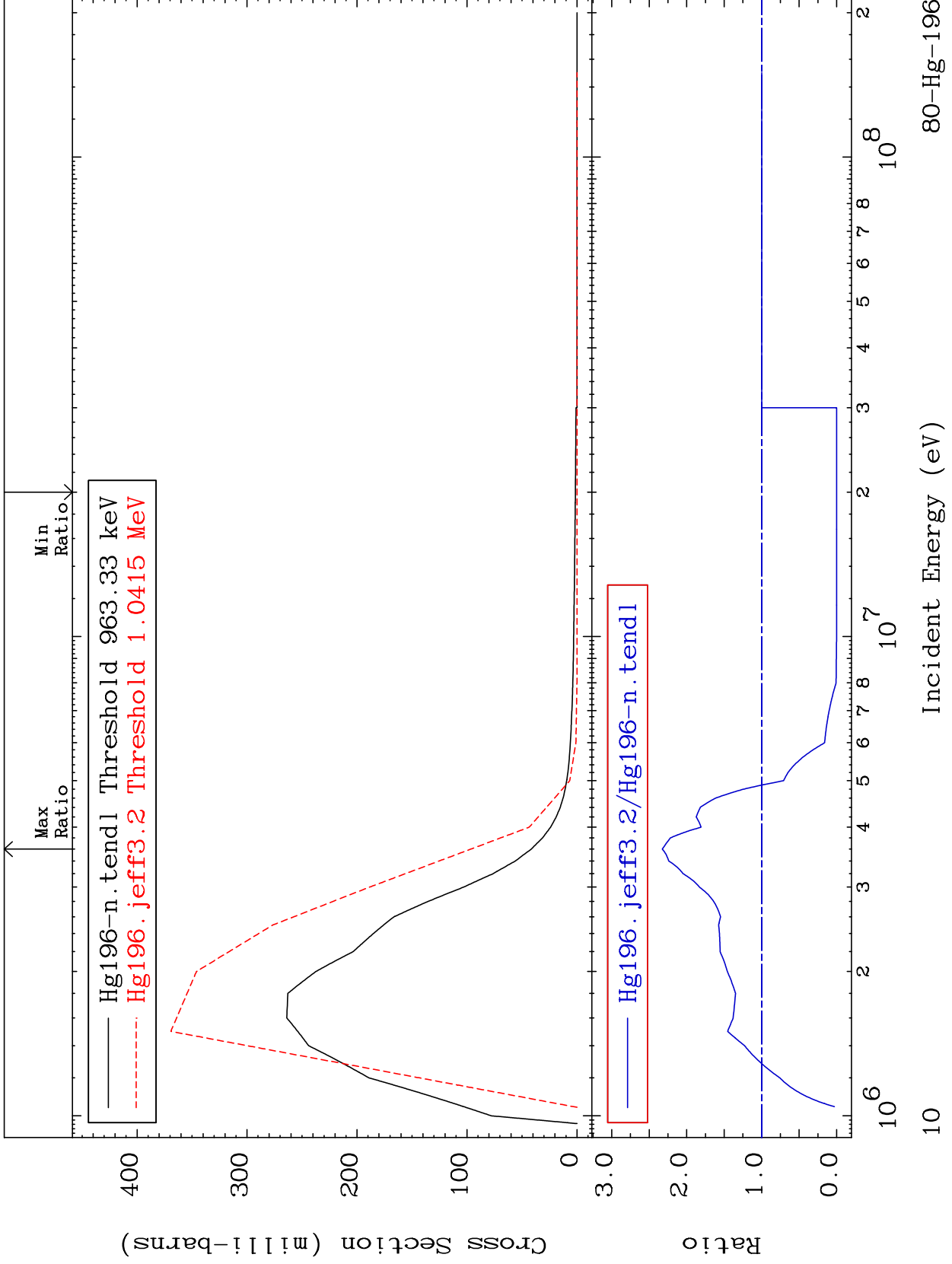
80-Hg-196
-100.0 To 68.27 %



MAT 8025

958.4 keV (n,n') Level
Cross Section

80-Hg-196
-100.0 To 132.5 %



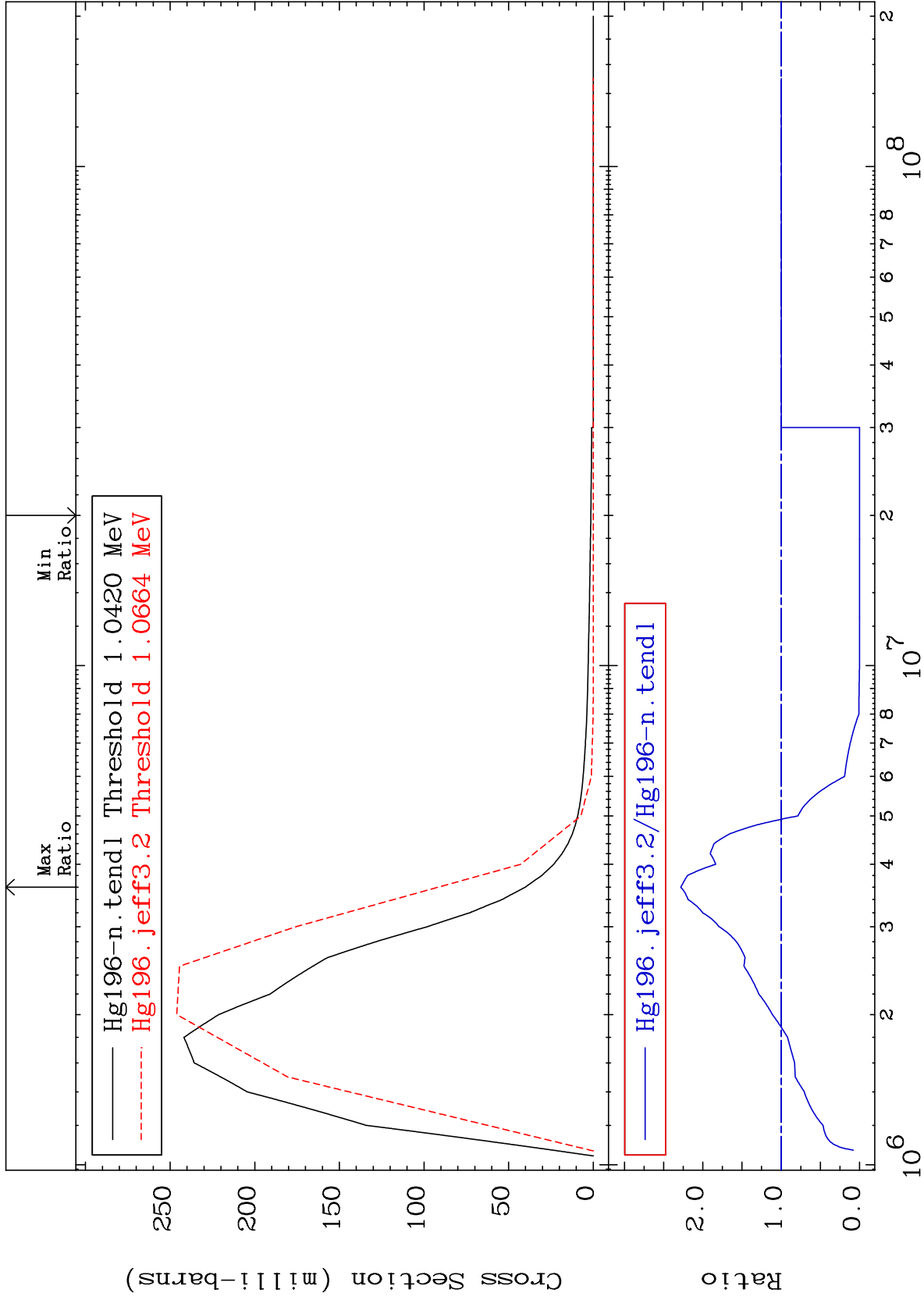
MAT 8025

1.037 MeV (n,n') Level

80-Hg-196

-100.0 To 128.1 %

Cross Section



11

Incident Energy (eV)

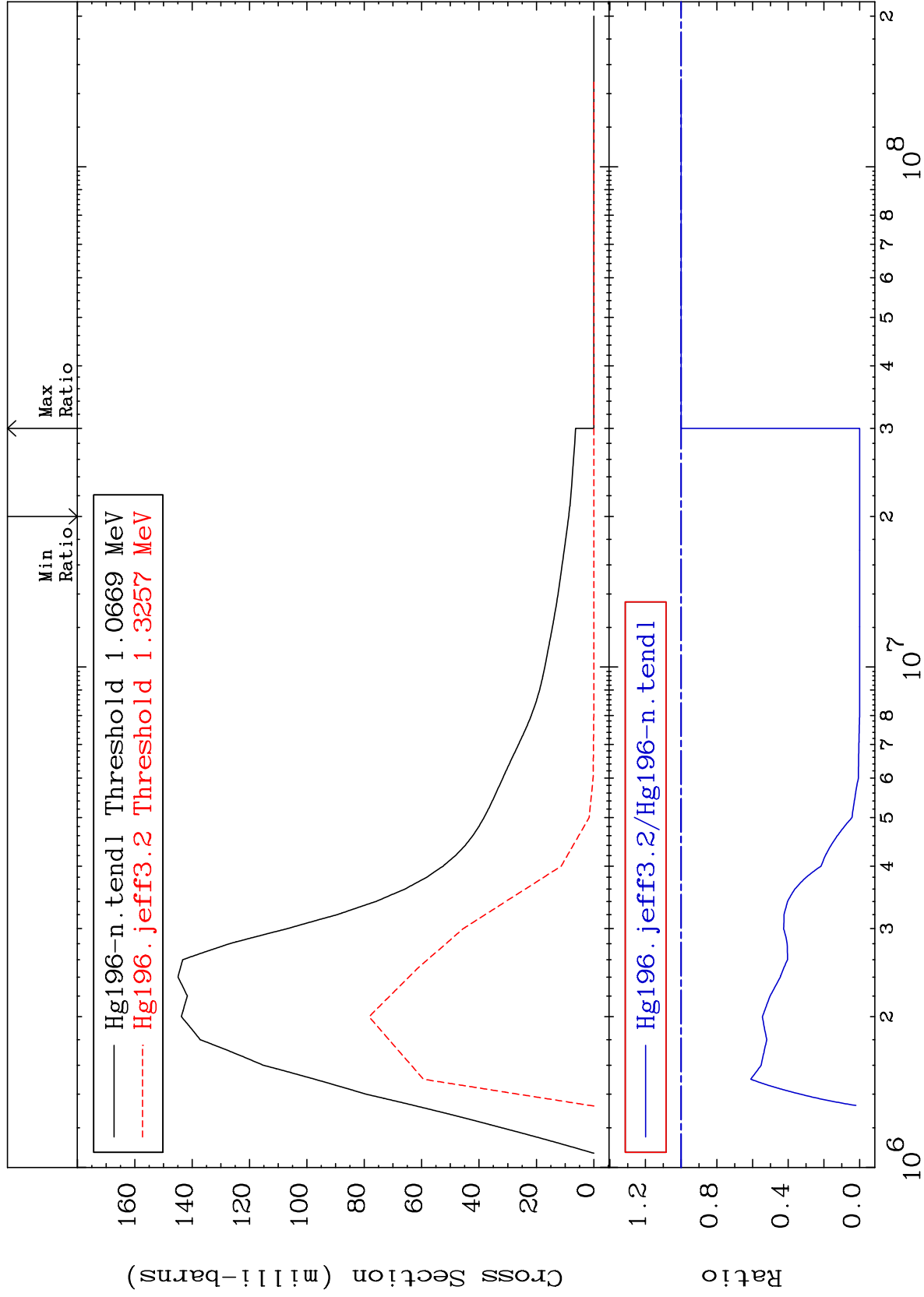
80-Hg-196

MAT 8025

1.061 MeV (n,n') Level

80-Hg-196

-100.0 To 0.000 %

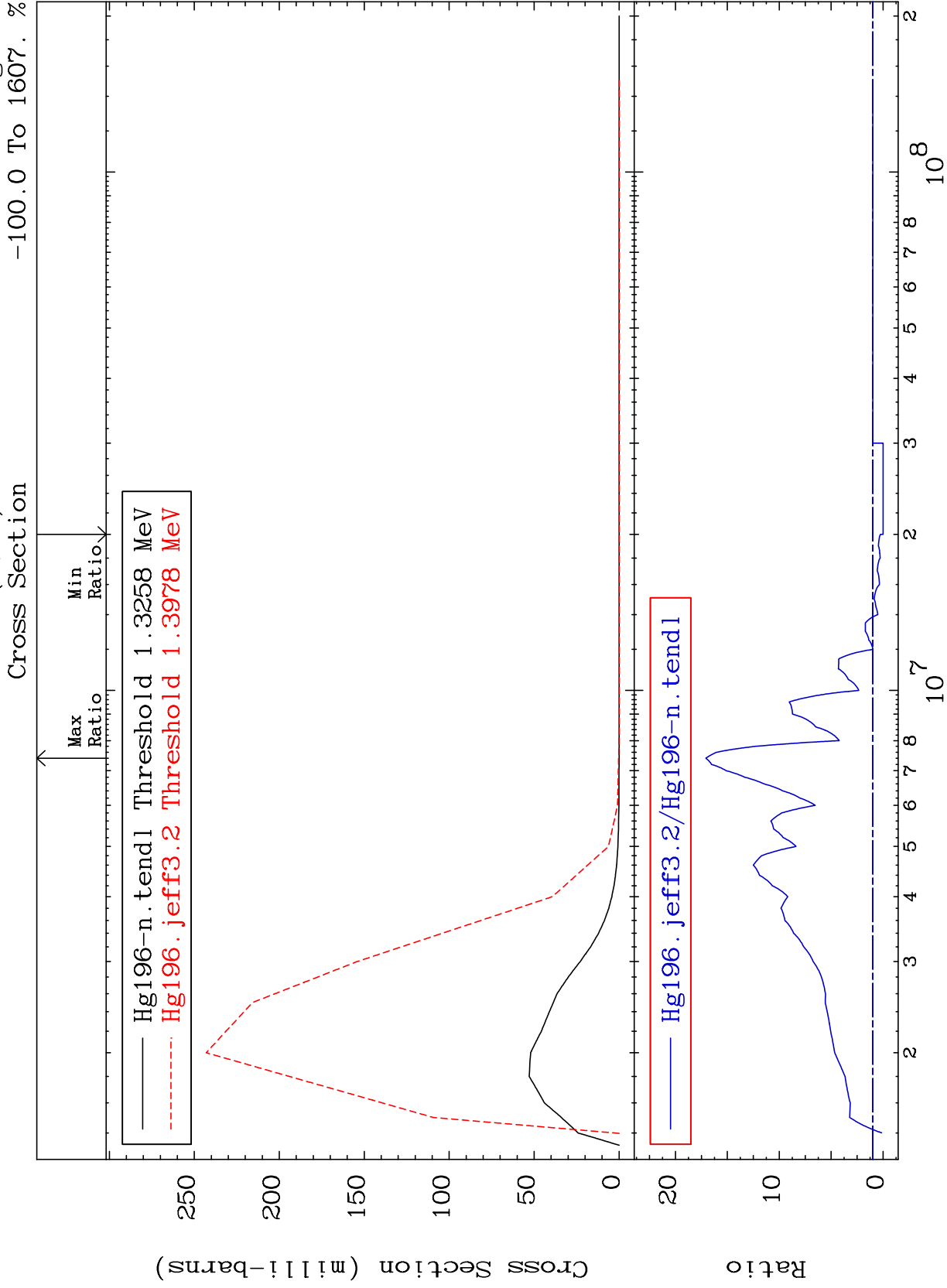


MAT 8025

1.319 MeV (n,n') Level

80-Hg-196

-100.0 To 1607. %

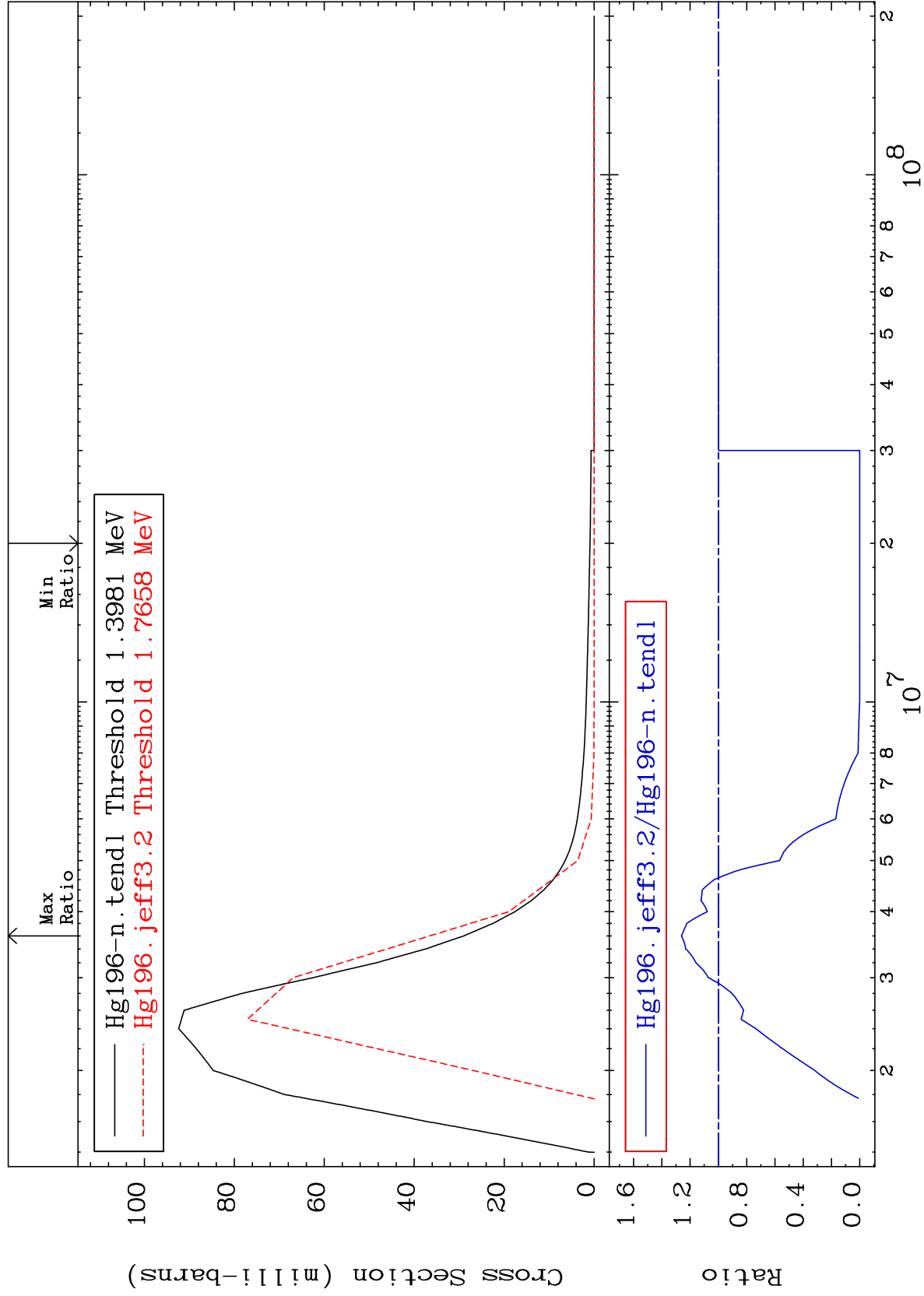


MAT 8025

1.391 MeV (n,n') Level

80-Hg-196

-100.0 To 26.20 %



14

Incident Energy (eV)

80-Hg-196

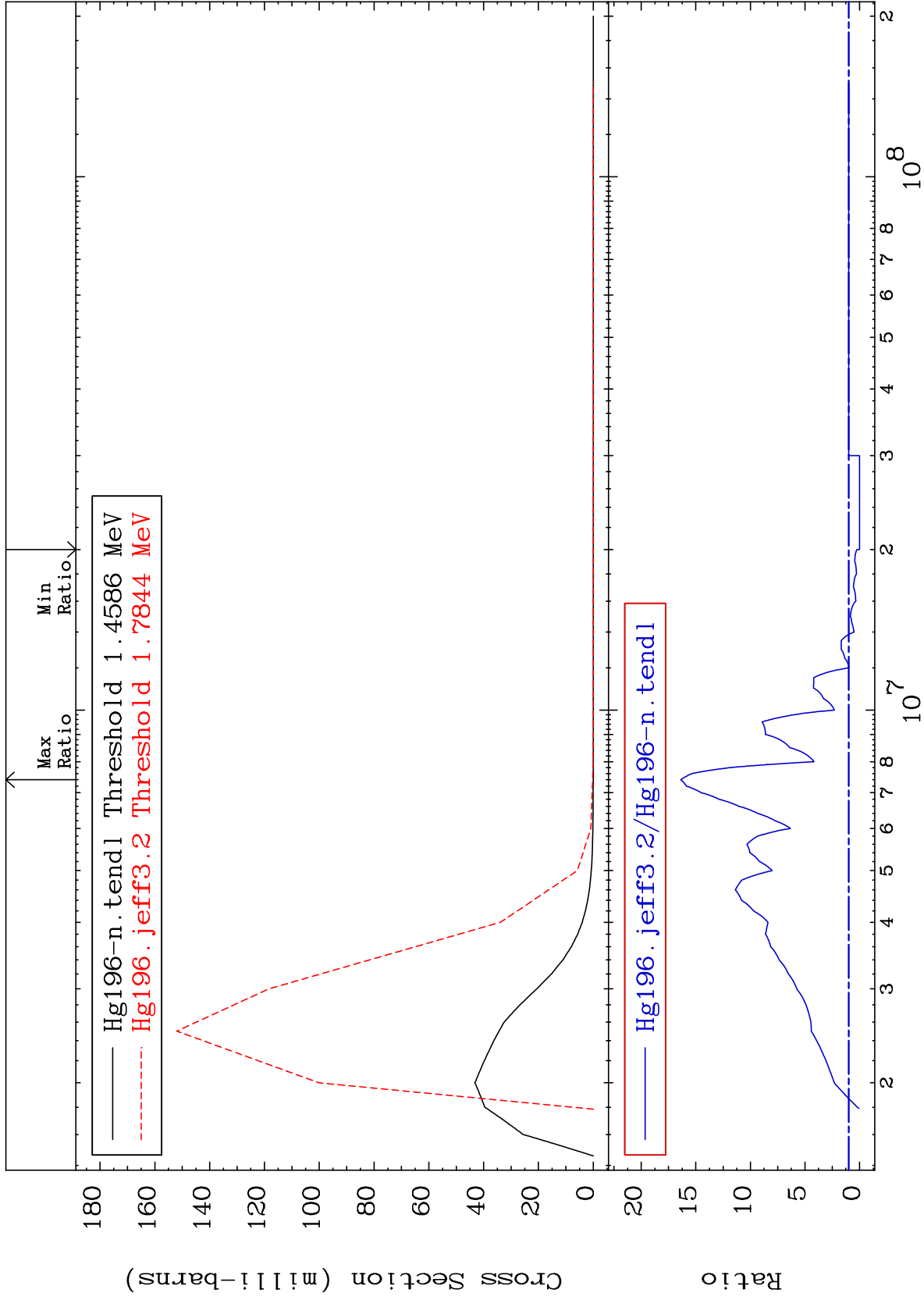
MAT 8025

1.451 MeV (n,n') Level

80-Hg-196

-100.0 To 1538. %

Cross Section



15

Incident Energy (eV)

80-Hg-196

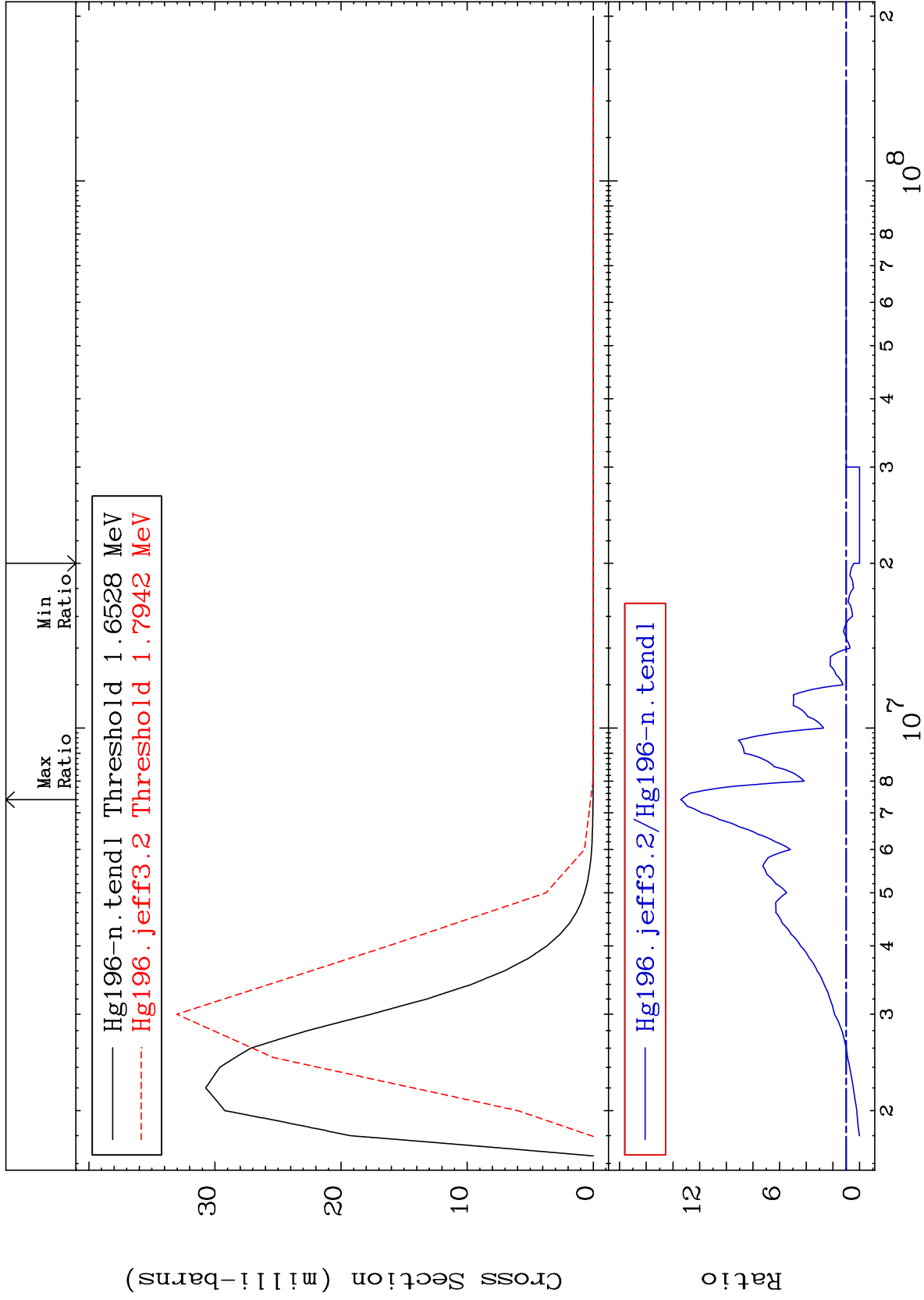
MAT 8025

1.644 MeV (n,n') Level

80-Hg-196

-100.0 To 1241. %

Cross Section



16

Incident Energy (eV)

80-Hg-196

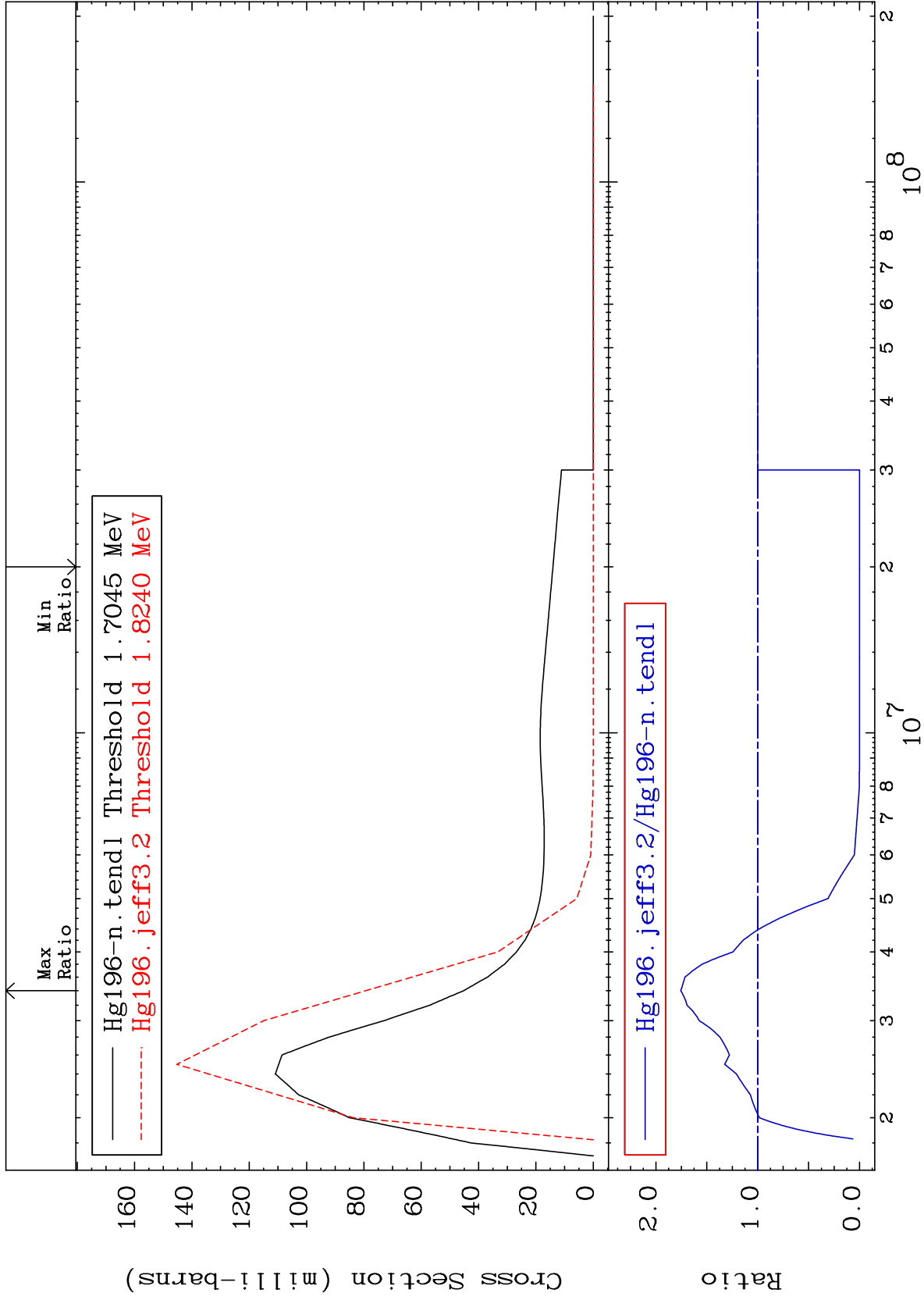
MAT 8025

1.696 MeV (n,n') Level

80-Hg-196

-100.0 To 75.60 %

Cross Section



17

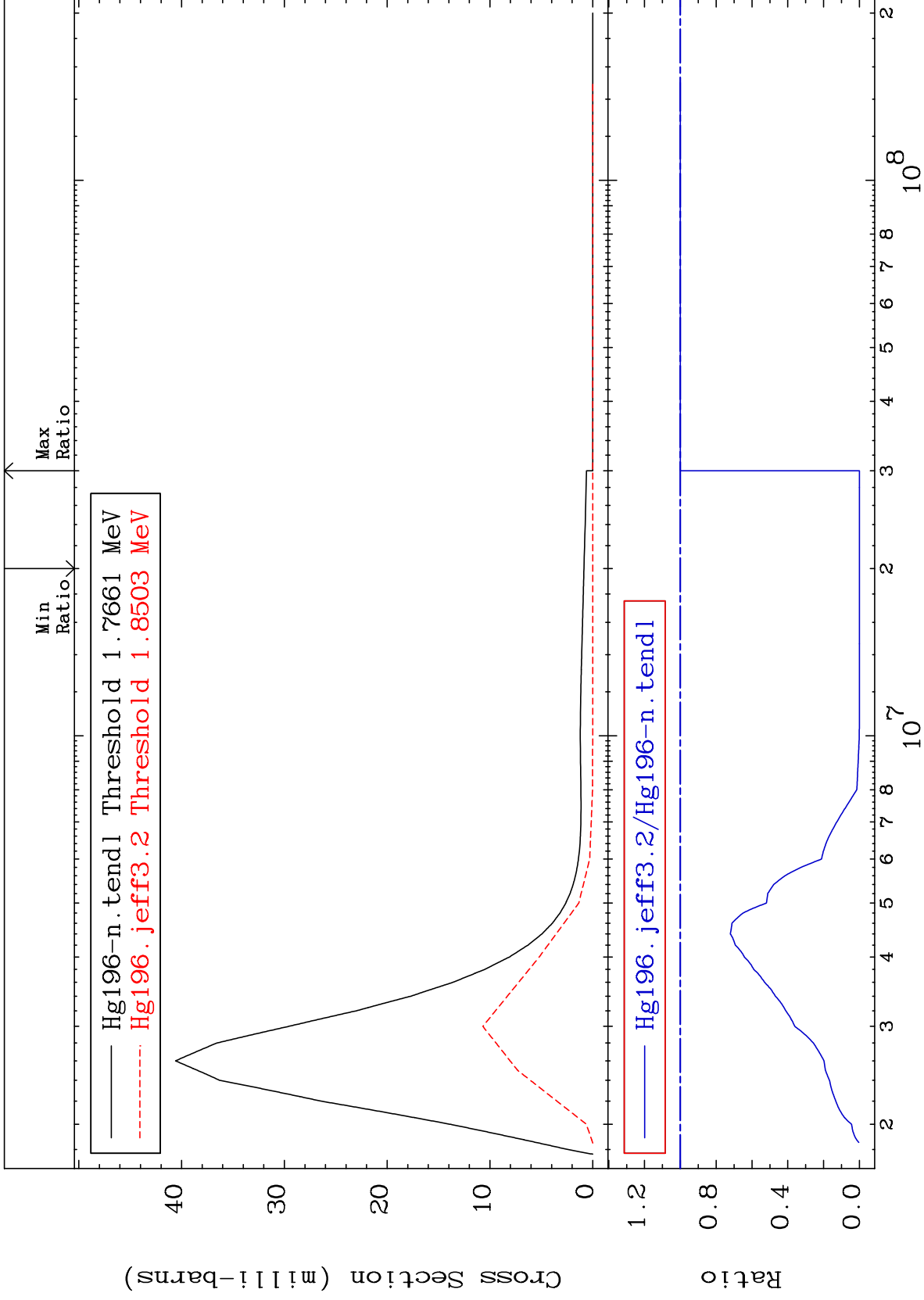
Incident Energy (eV)

80-Hg-196

MAT 8025

1.757 MeV (n,n') Level
Cross Section

80-Hg-196
-100.0 To 0.000 %



18

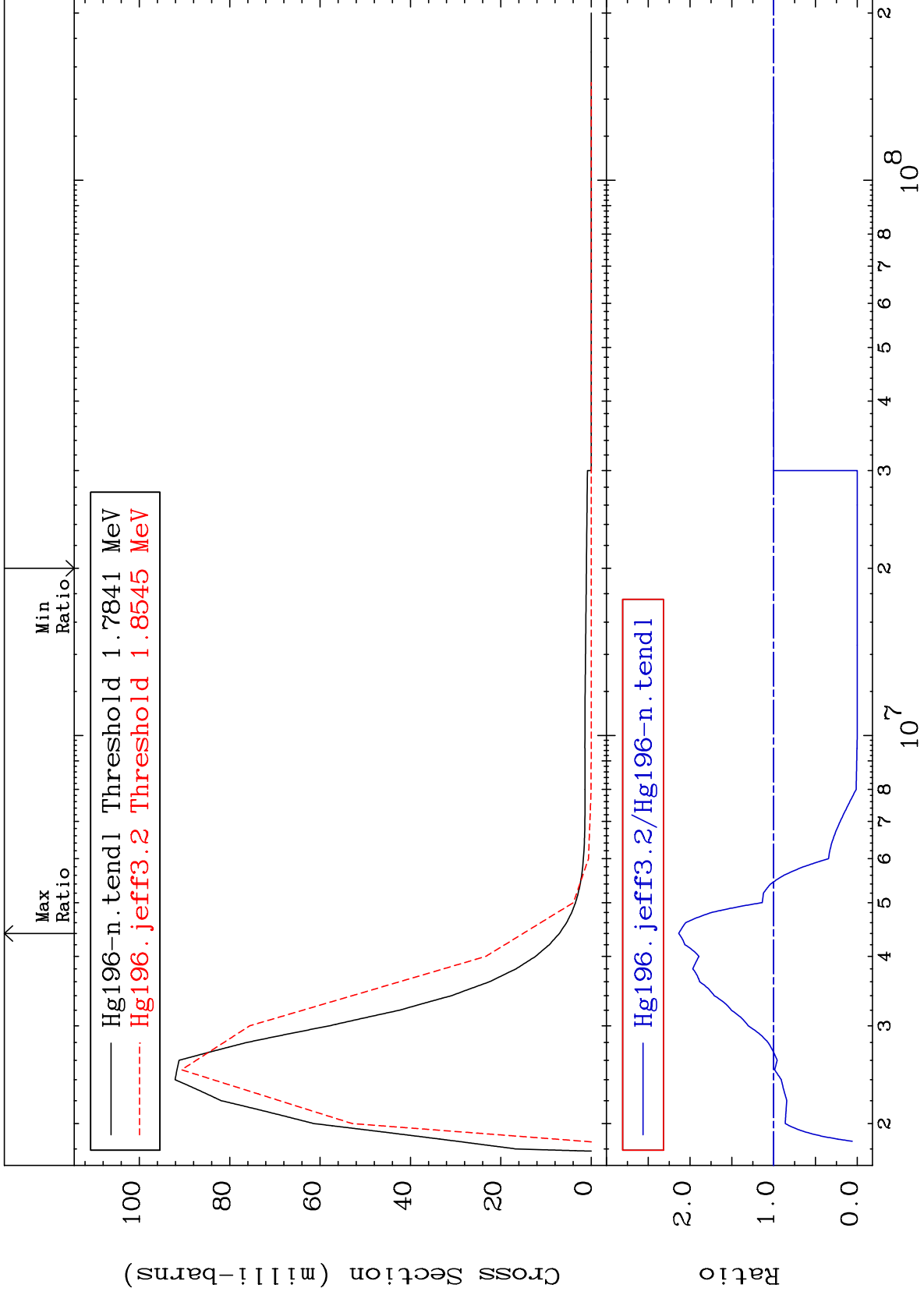
Incident Energy (eV)

80-Hg-196

MAT 8025

1.775 MeV (n,n') Level
Cross Section

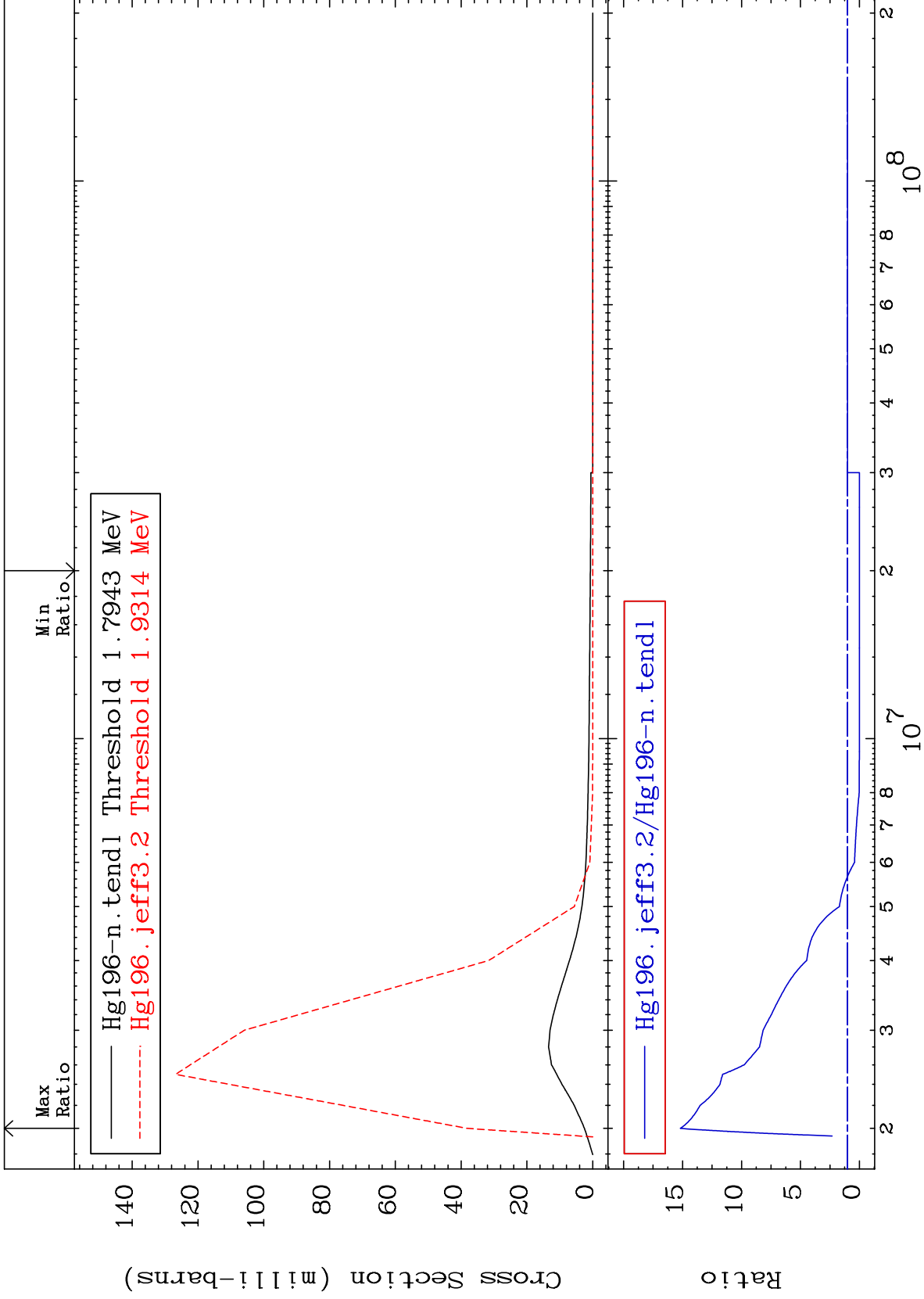
80-Hg-196
-100.0 To 113.7 %



MAT 8025

1.785 MeV (n,n') Level
Cross Section

80-Hg-196
-100.0 To 1419. %



20

Incident Energy (eV)

80-Hg-196

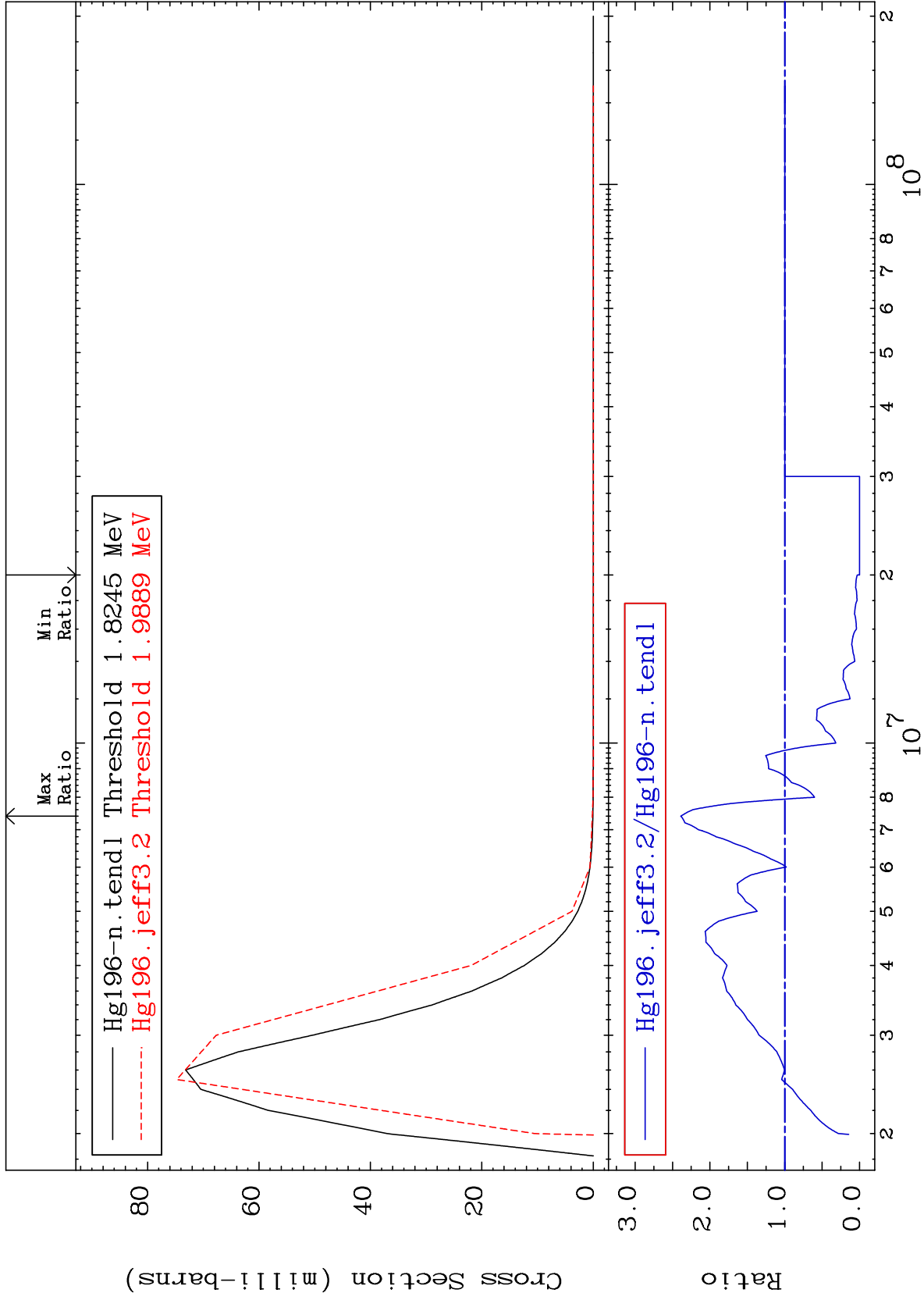
MAT 8025

1.815 MeV (n,n') Level

80-Hg-196

-100.0 To 139.0 %

Cross Section



21

Incident Energy (eV)

80-Hg-196

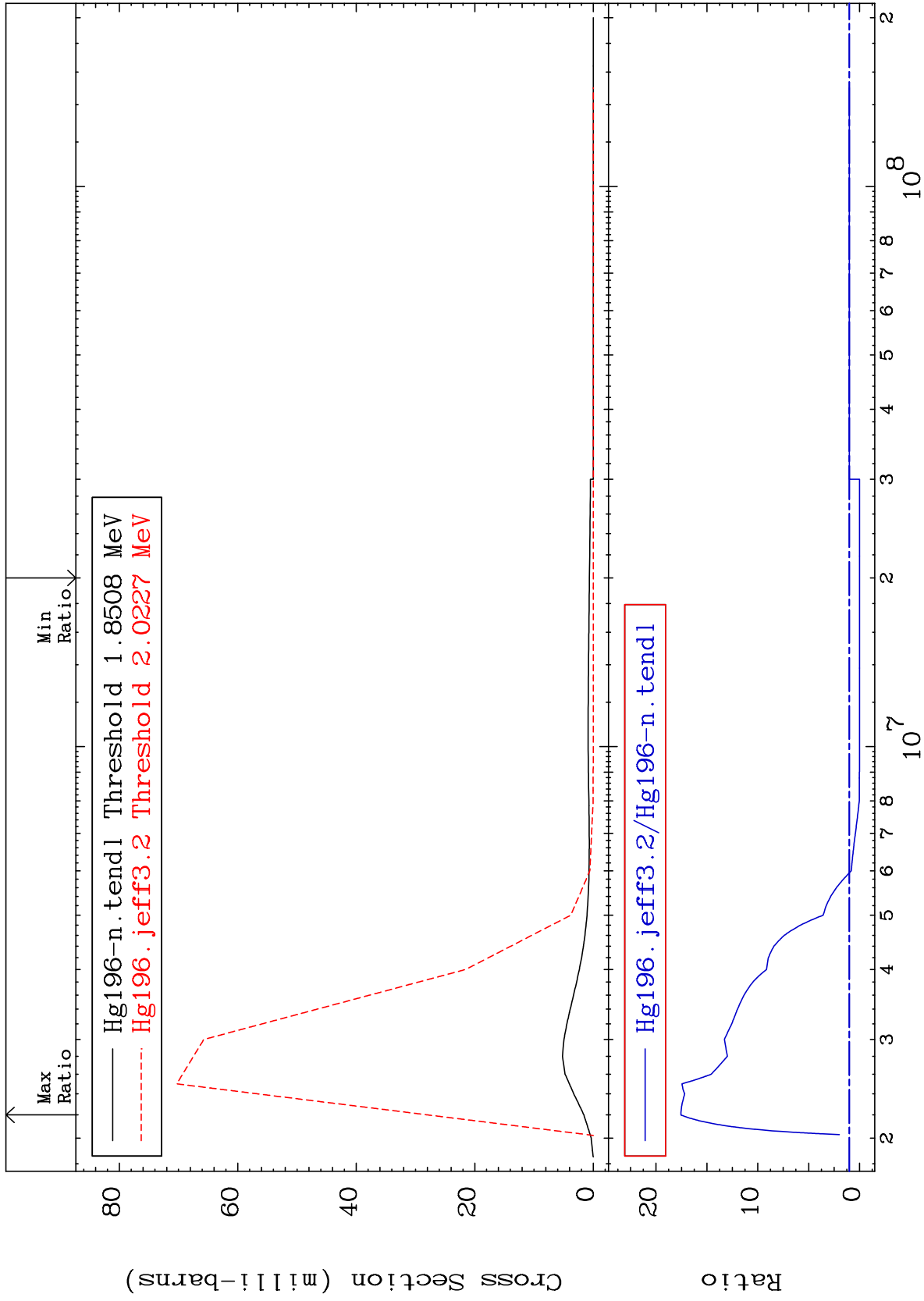
MAT 8025

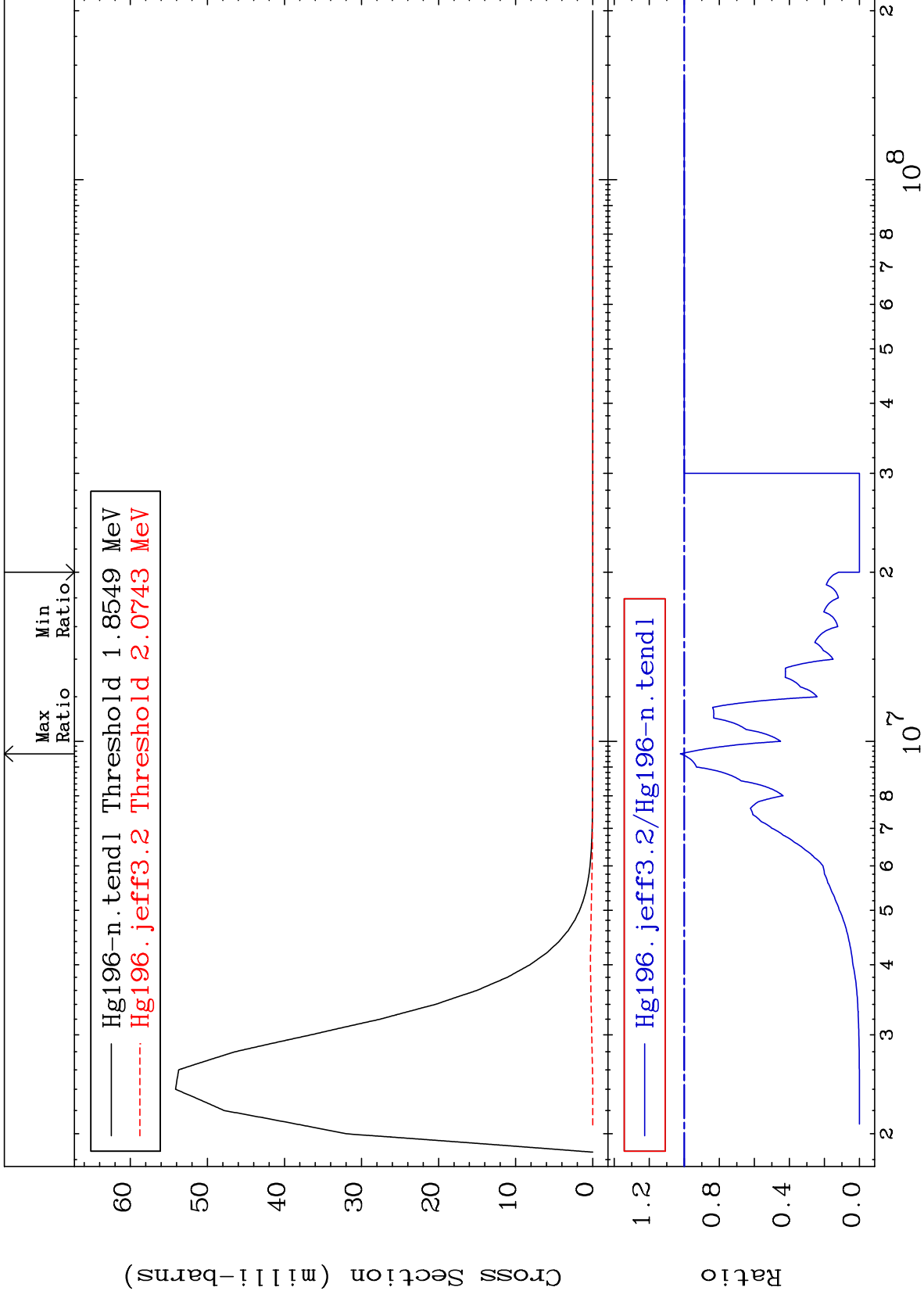
1.841 MeV (n,n') Level

80-Hg-196

-100.0 To 1657. %

Cross Section



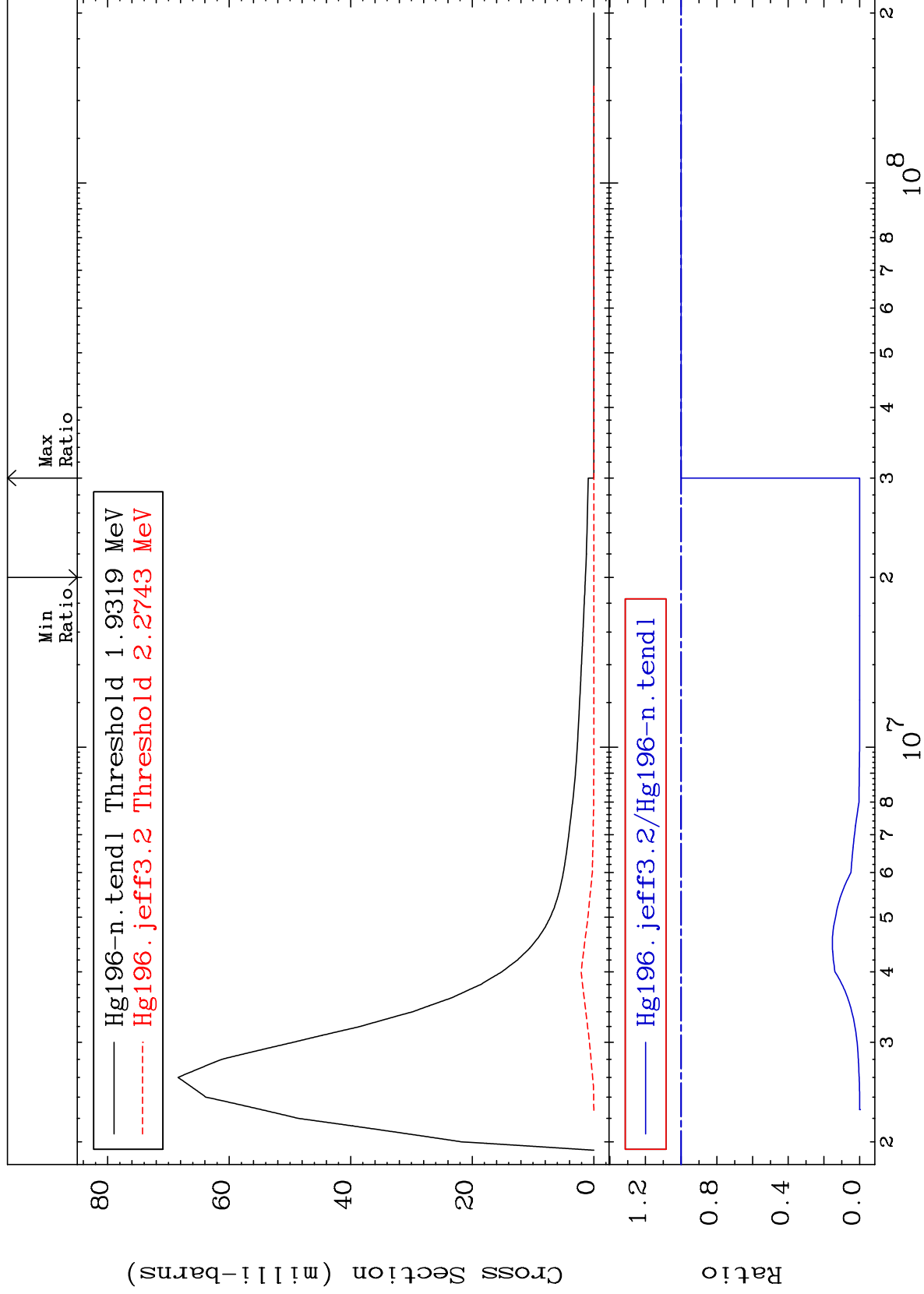


MAT 8025

1.922 MeV (n,n') Level

80-Hg-196

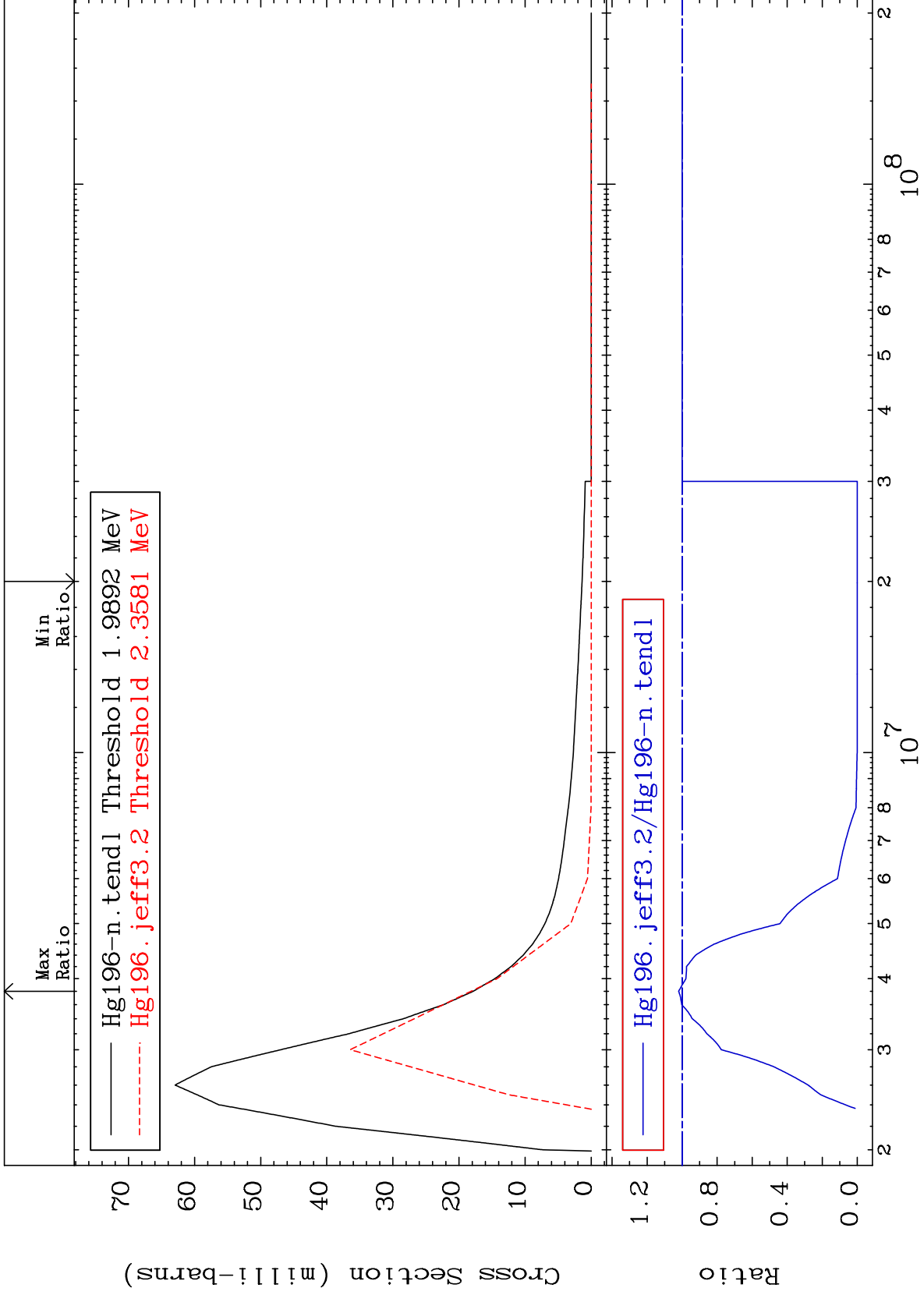
-100.0 To 0.000 %



MAT 8025

1.979 MeV (n,n') Level
Cross Section

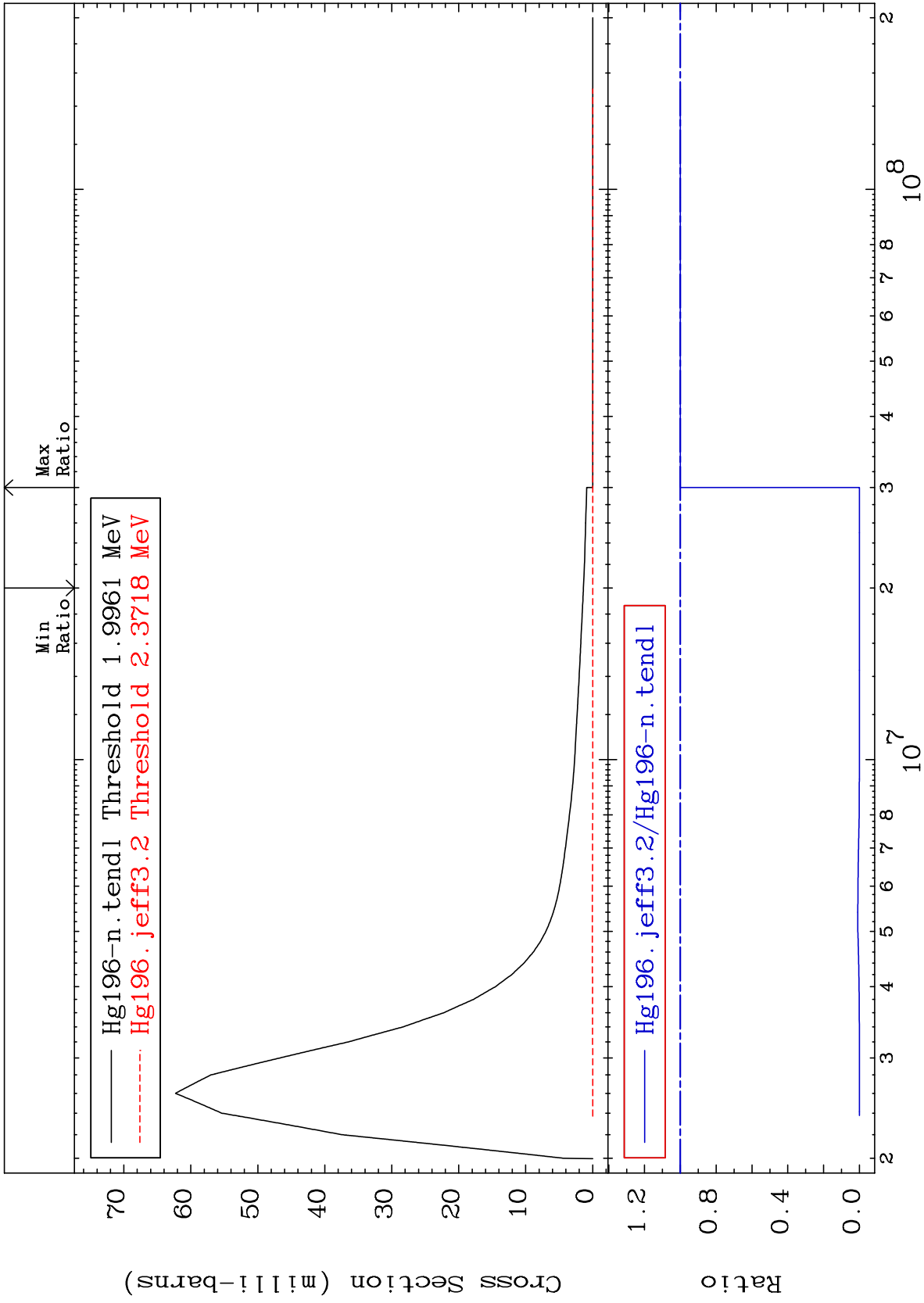
80-Hg-196
-100.0 To 1.991 %



25

Incident Energy (eV)

80-Hg-196



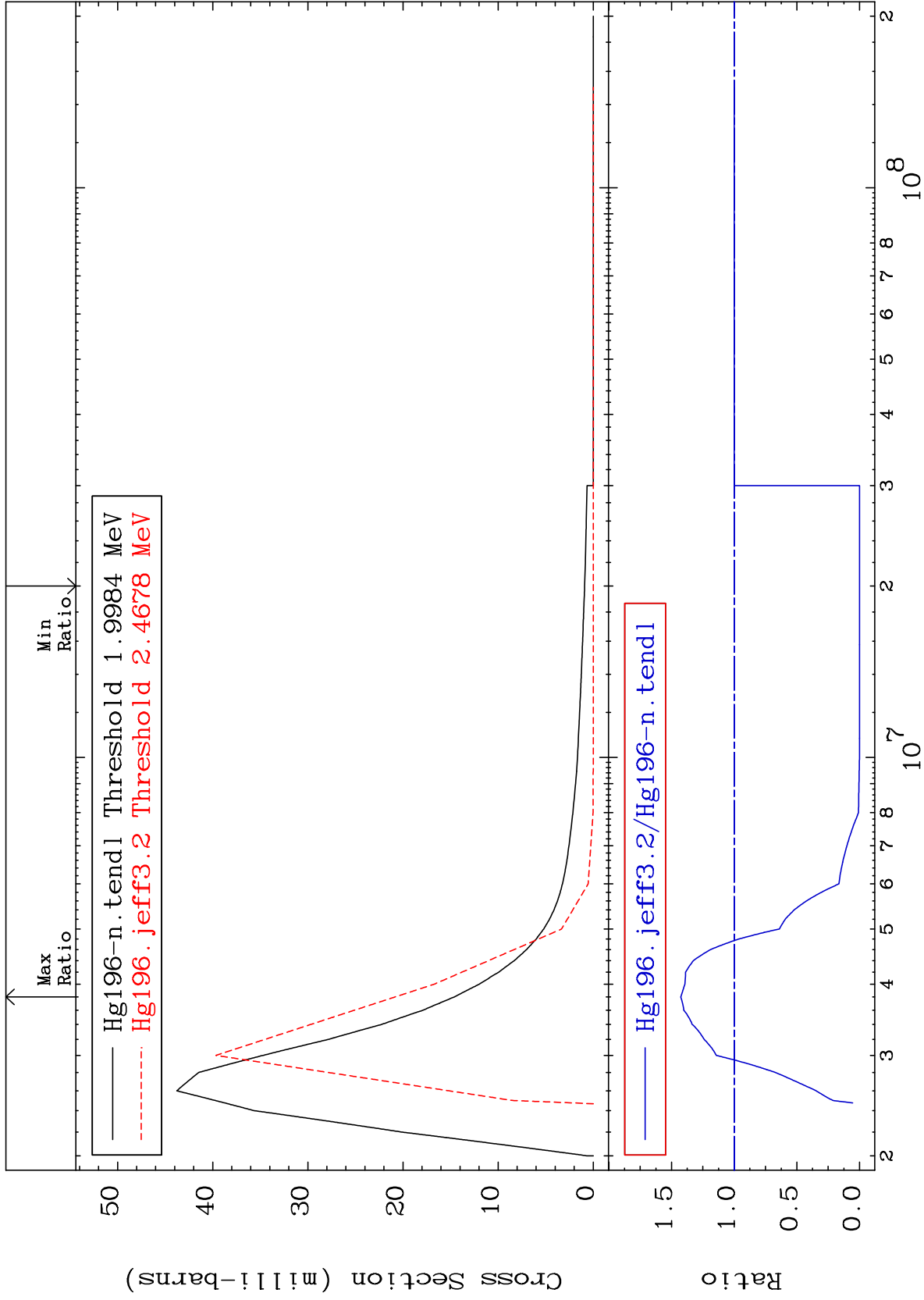
MAT 8025

1.988 MeV (n,n') Level

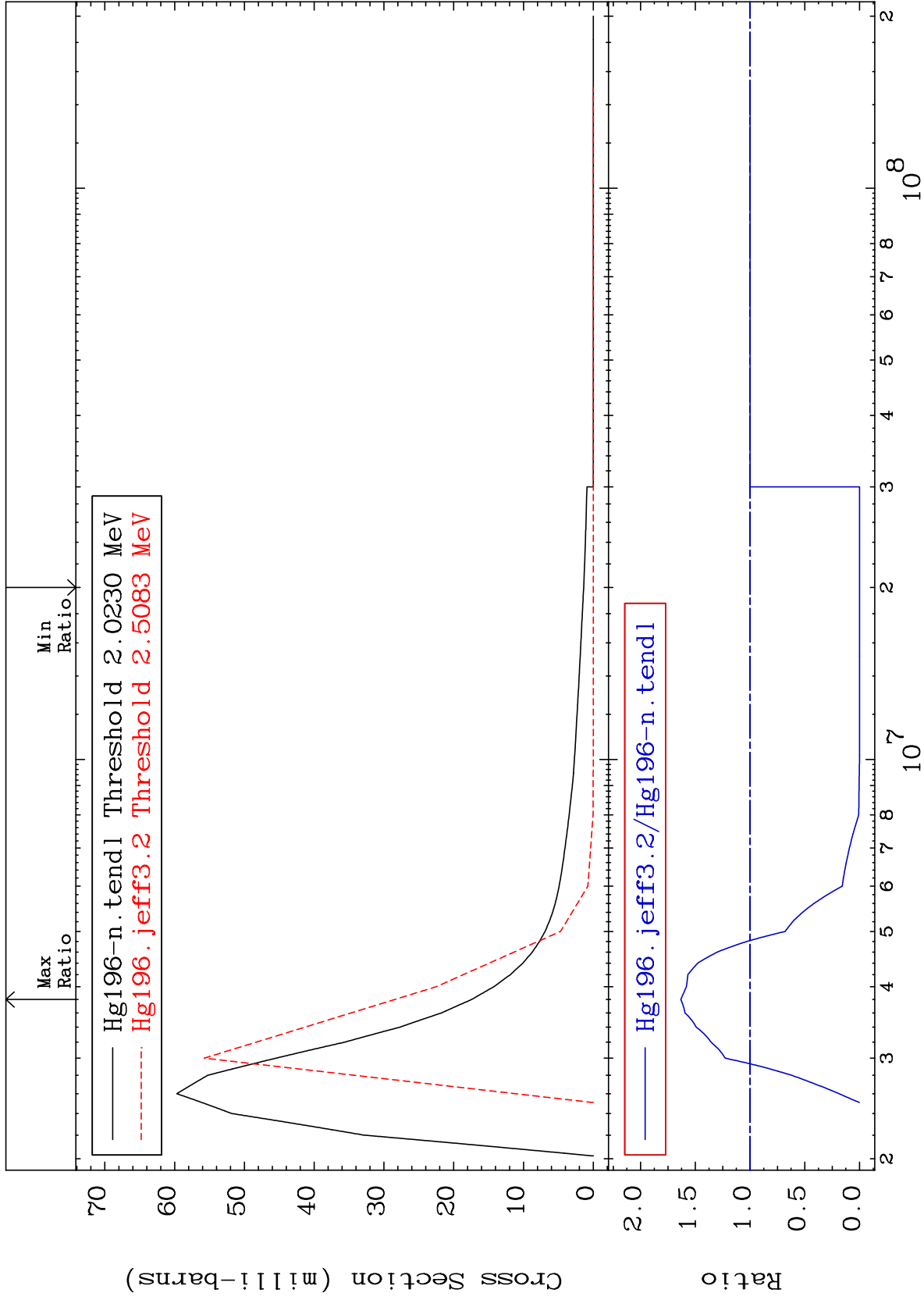
80-Hg-196

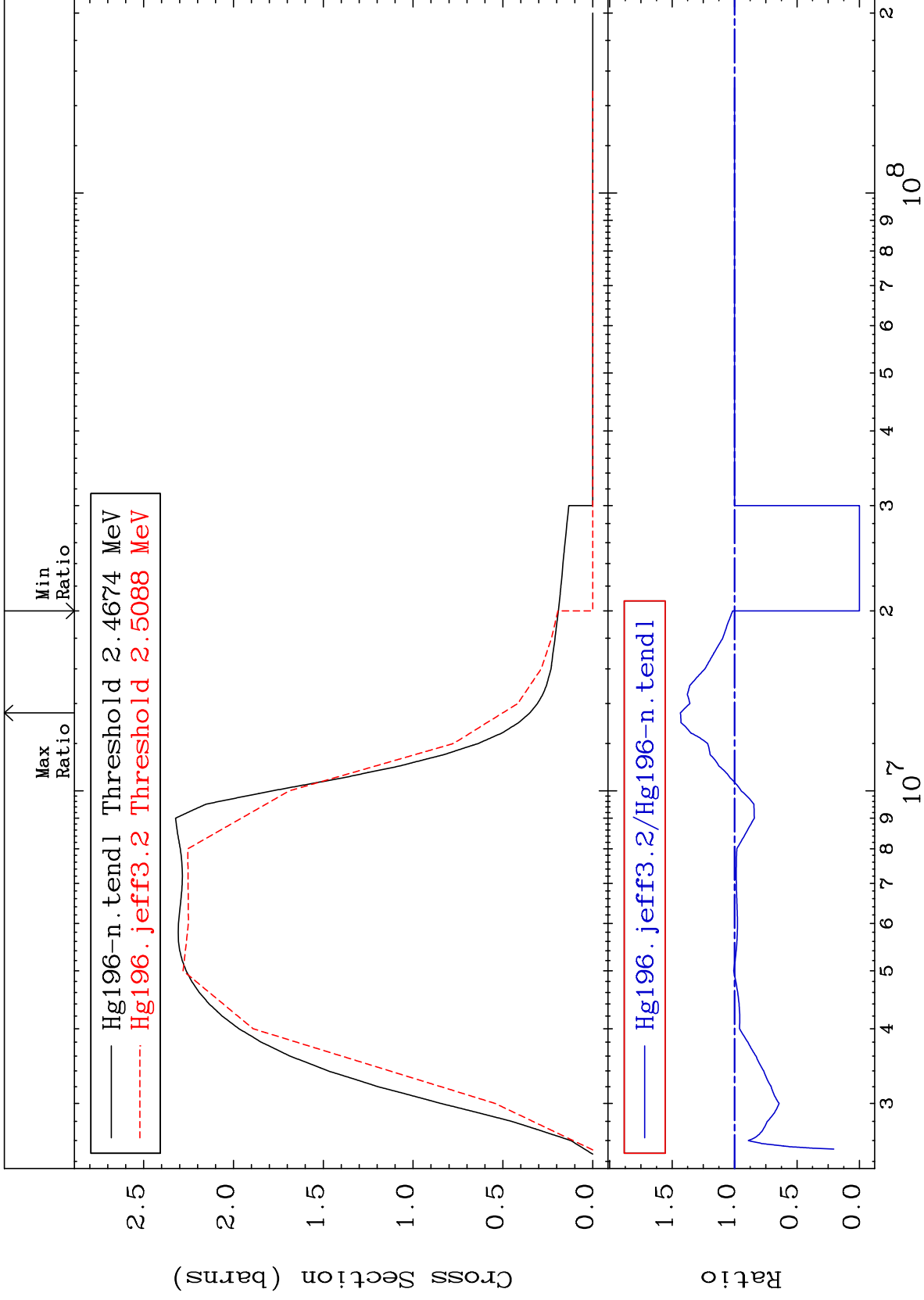
-100.0 To 42.64 %

Cross Section



MAT 8025 2.013 MeV (n,n') Level 80-Hg-196
 Cross Section -100.0 To 63.28 %

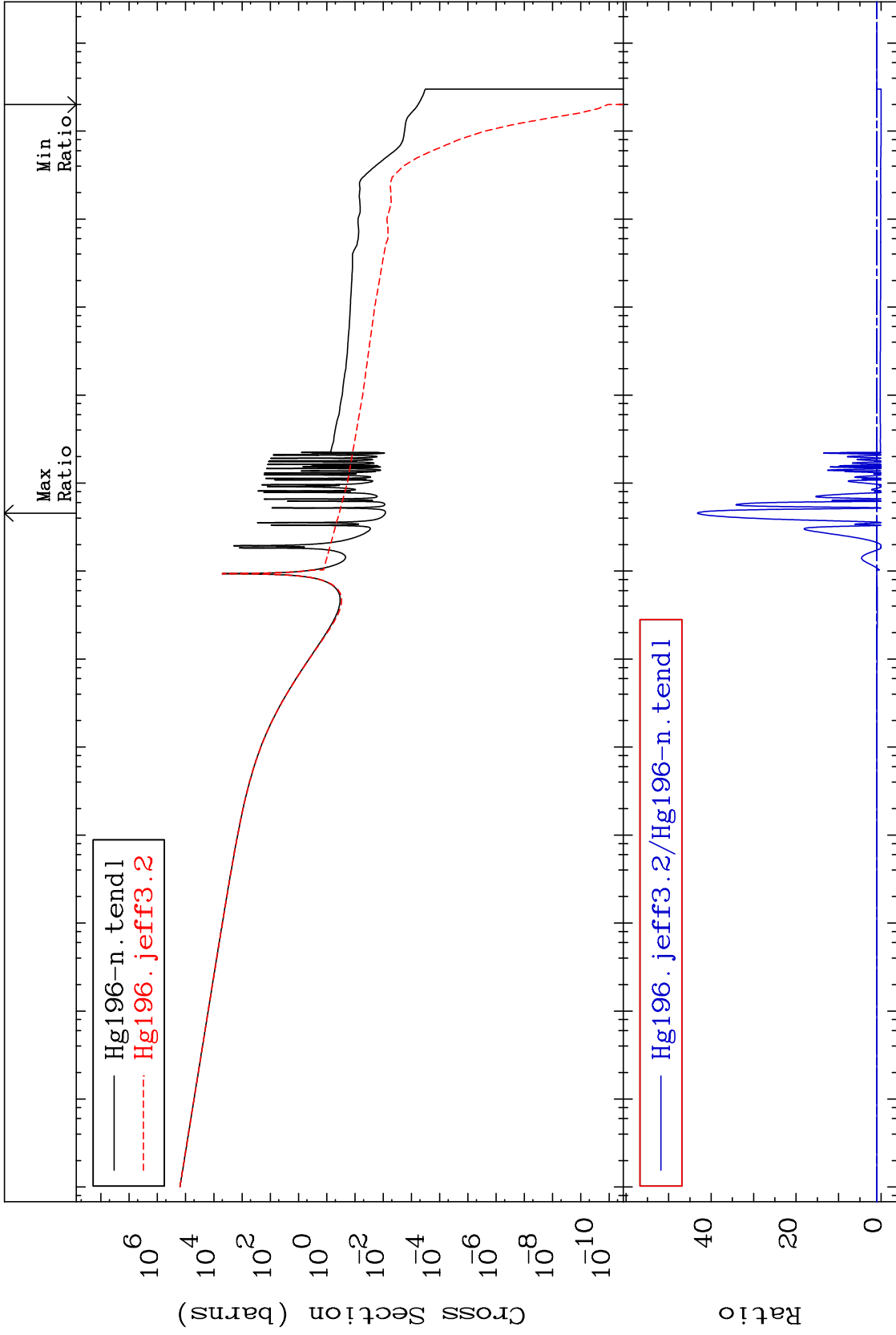




MAT 8025

(n, γ)
Cross Section

80-Hg-196
-100.0 To 4221. %



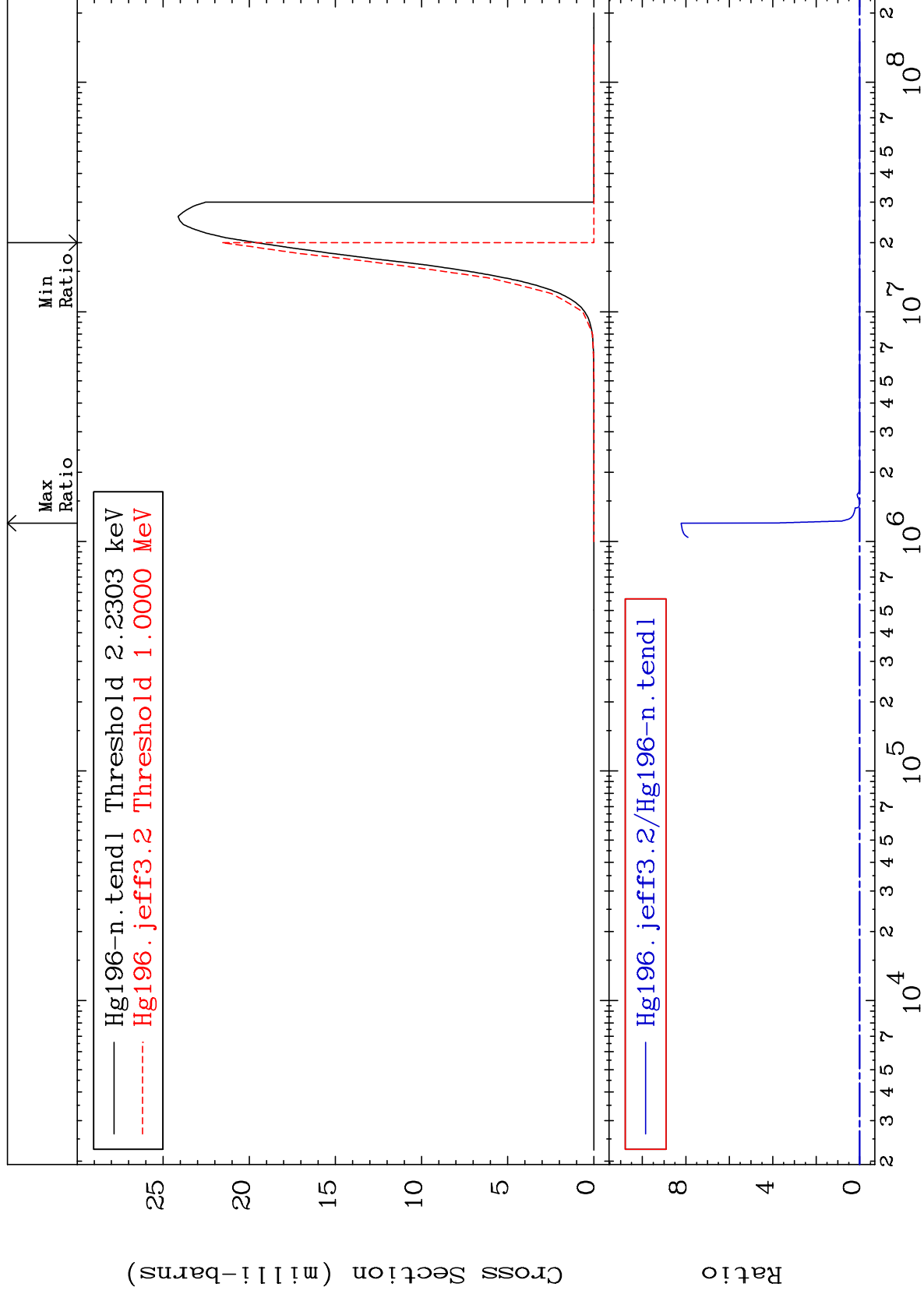
30

Incident Energy (eV)

80-Hg-196

MAT 8025

(n,p)
Cross Section
80-Hg-196
-100.0 To 9999. %



31

Incident Energy (eV)

80-Hg-196

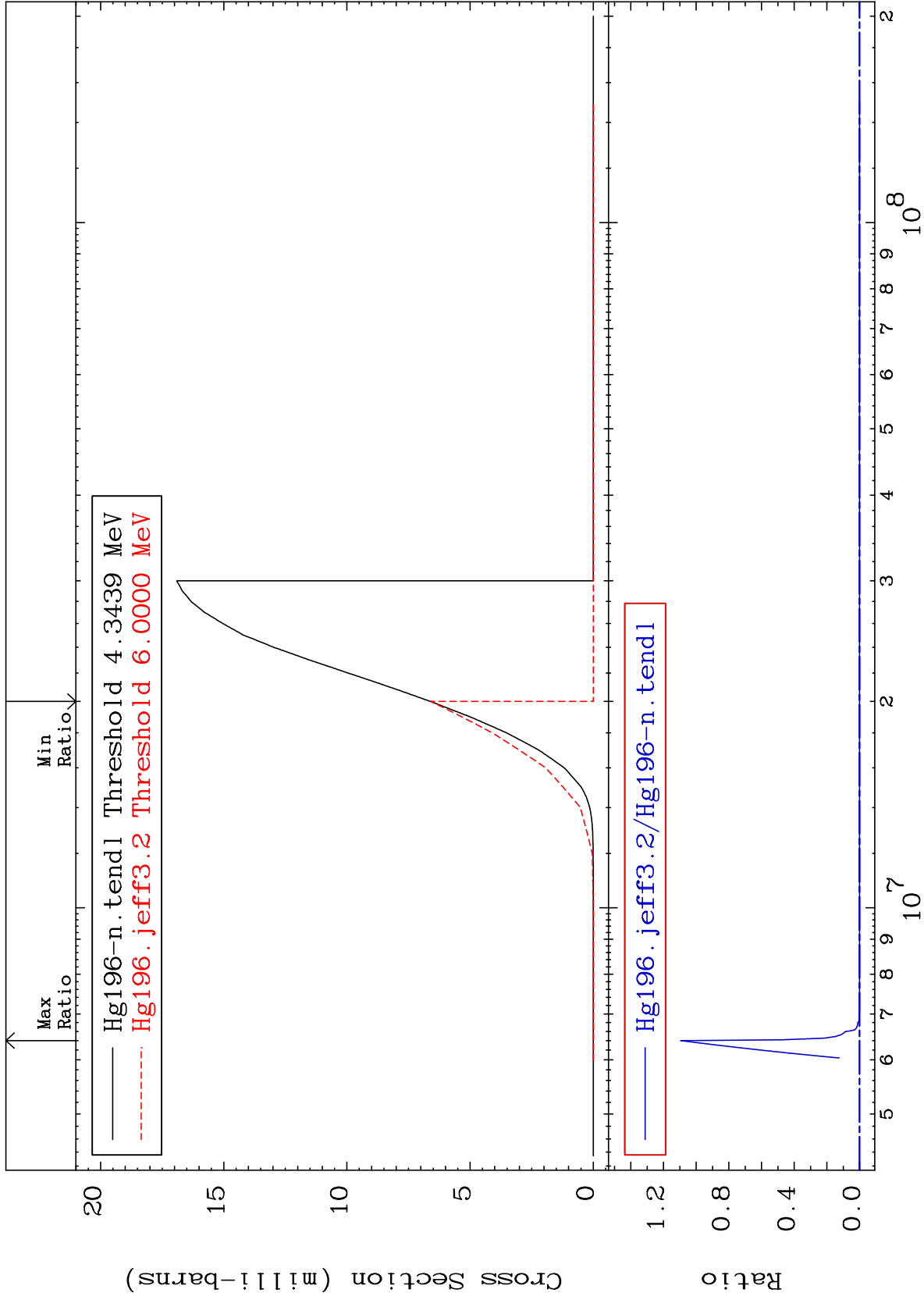
MAT 8025

(n, d)

80-Hg-196

Cross Section

-100.0 To 9999. %

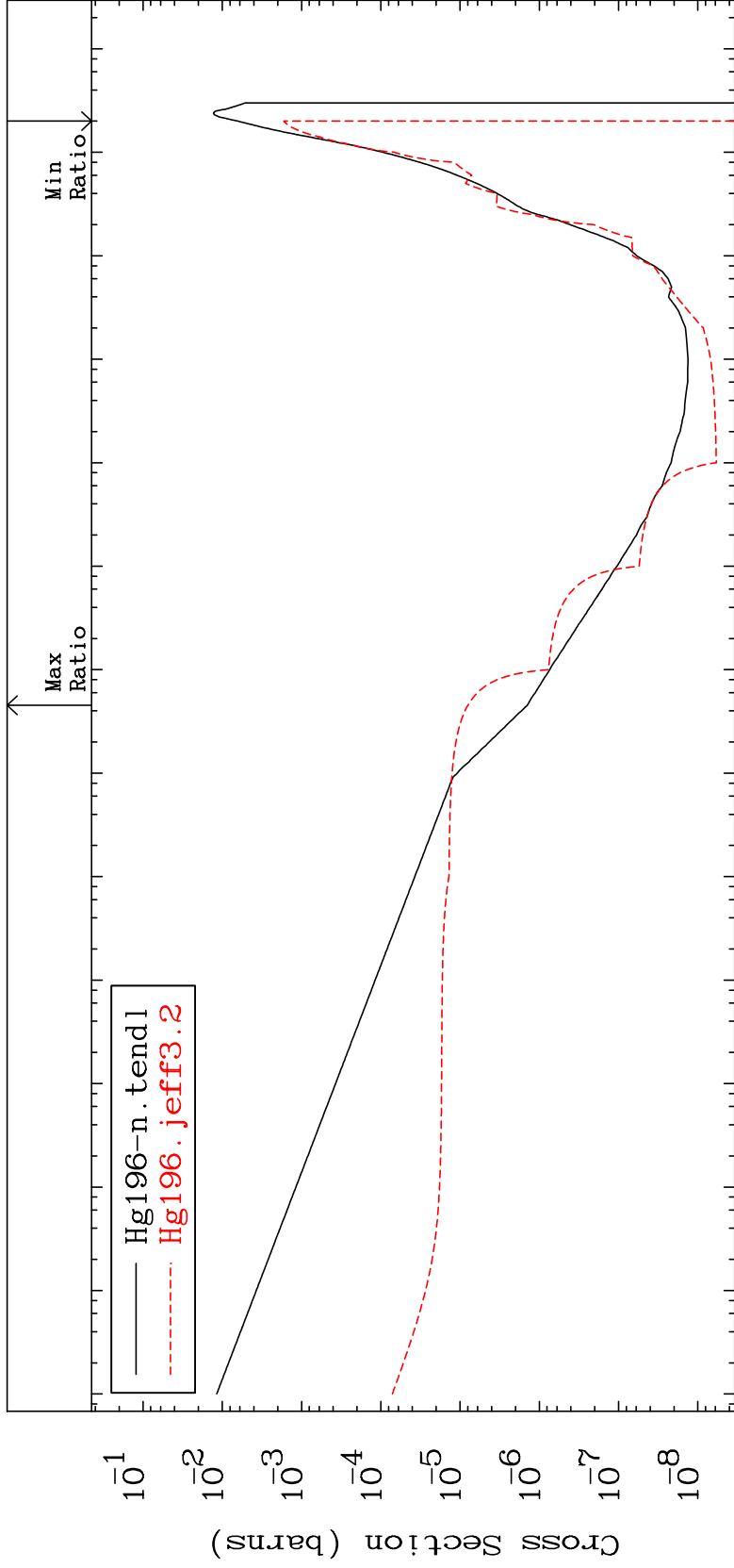


MAT 8025

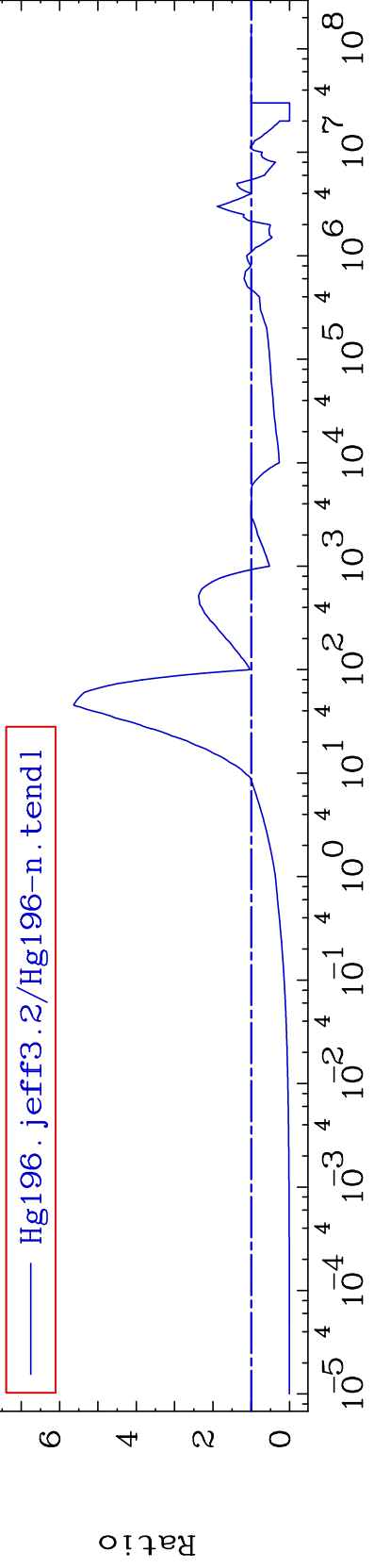
80-Hg-196

(n, α)
Cross Section

-100.0 To 463.0 %



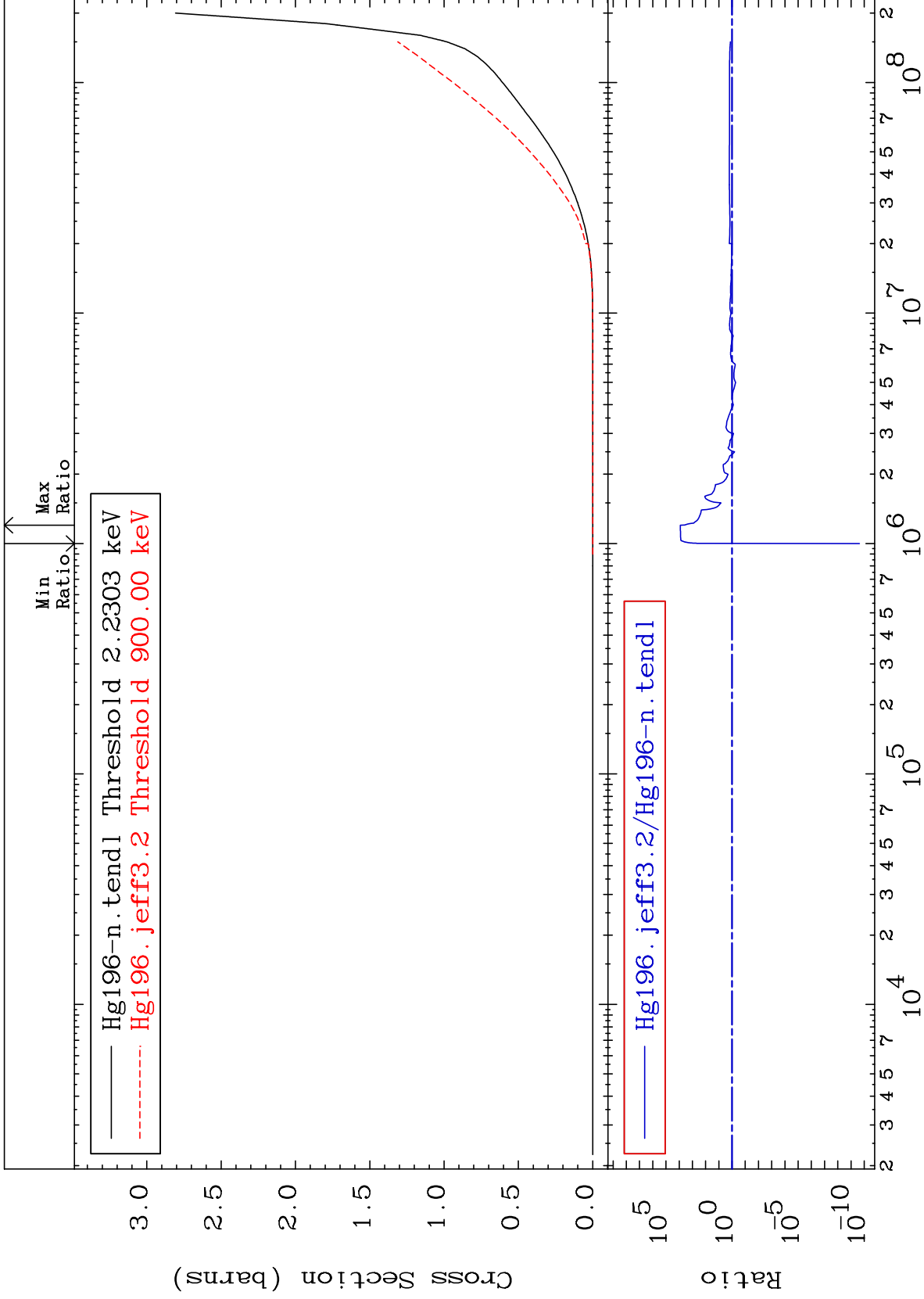
Hg196.jeff3.2/Hg196-n.tendl



33

Incident Energy (eV)

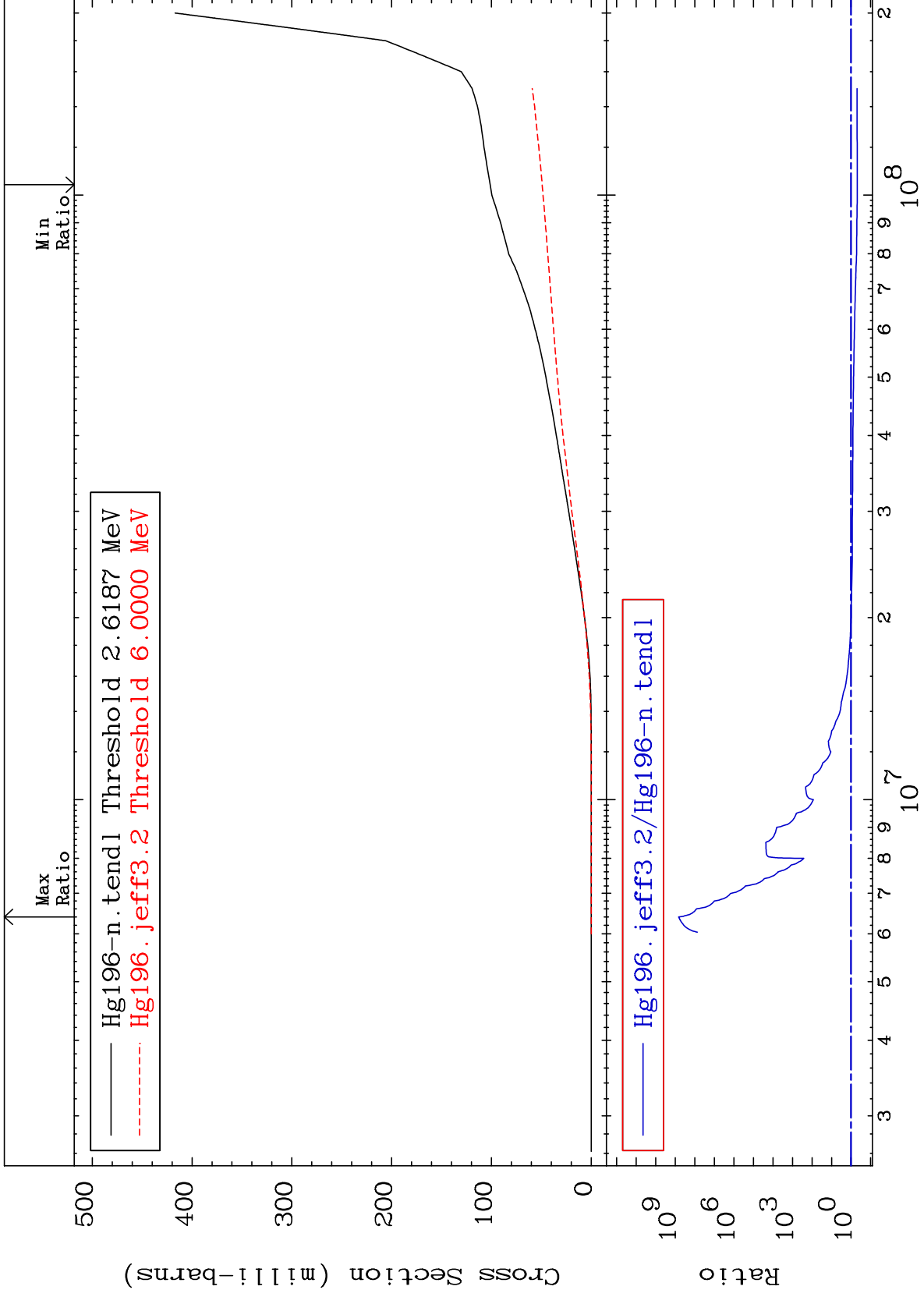
80-Hg-196



MAT 8025

Deuterium Production
Cross Section

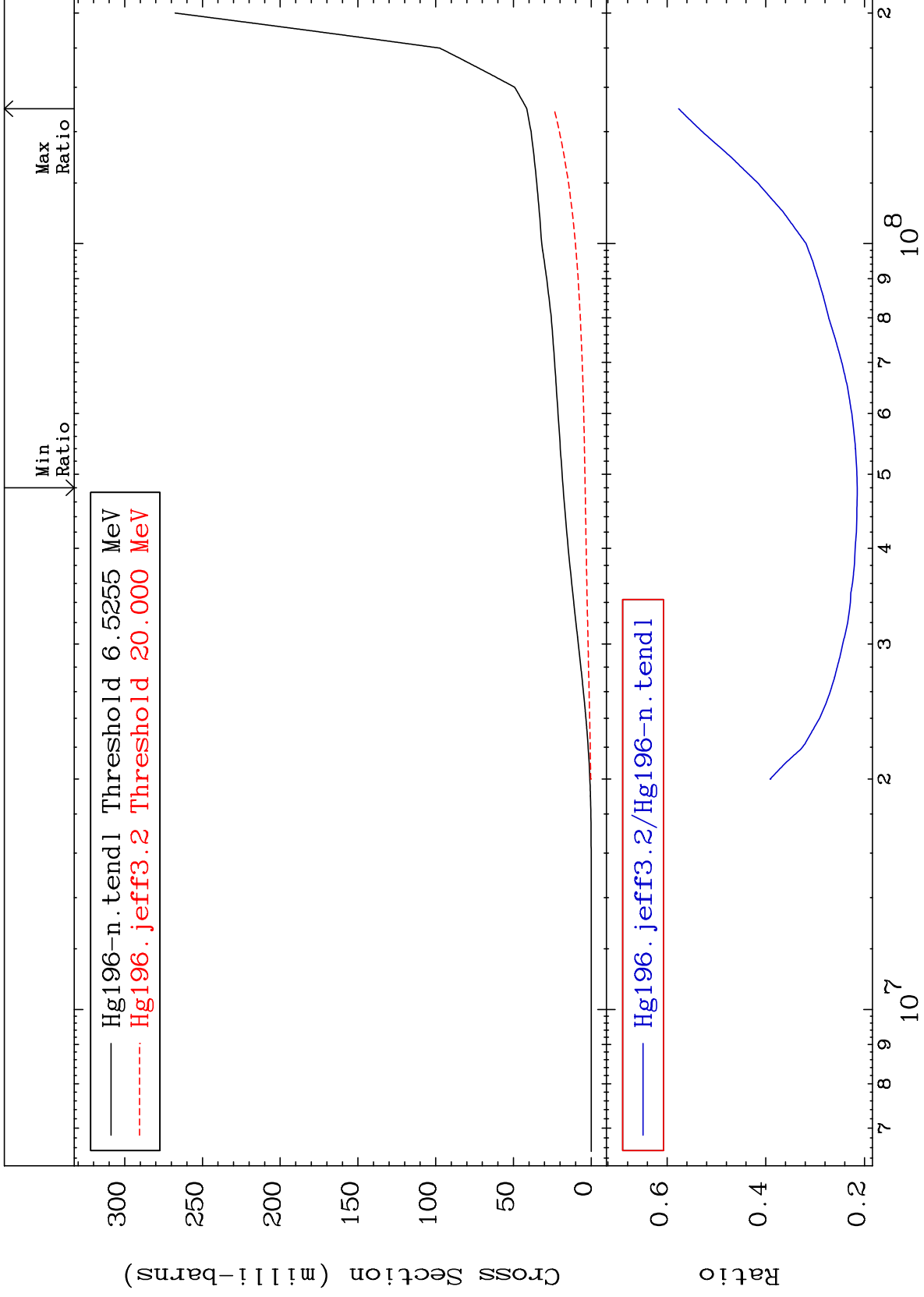
80-Hg-196
-51.54 To 9999. %



MAT 8025

Tritium Production
Cross Section

80-Hg-196
-78.52 To -42.34%



36

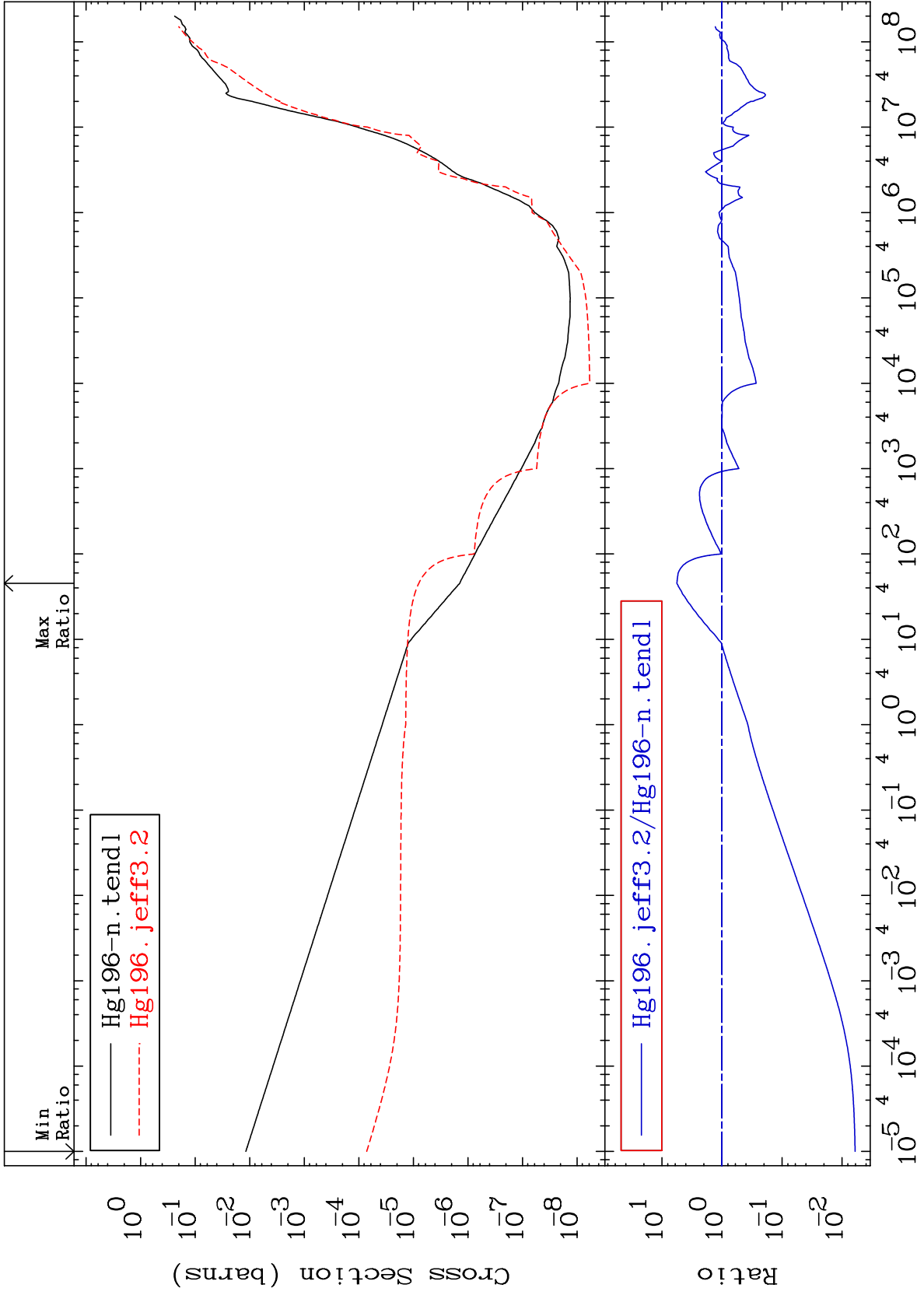
Incident Energy (eV)

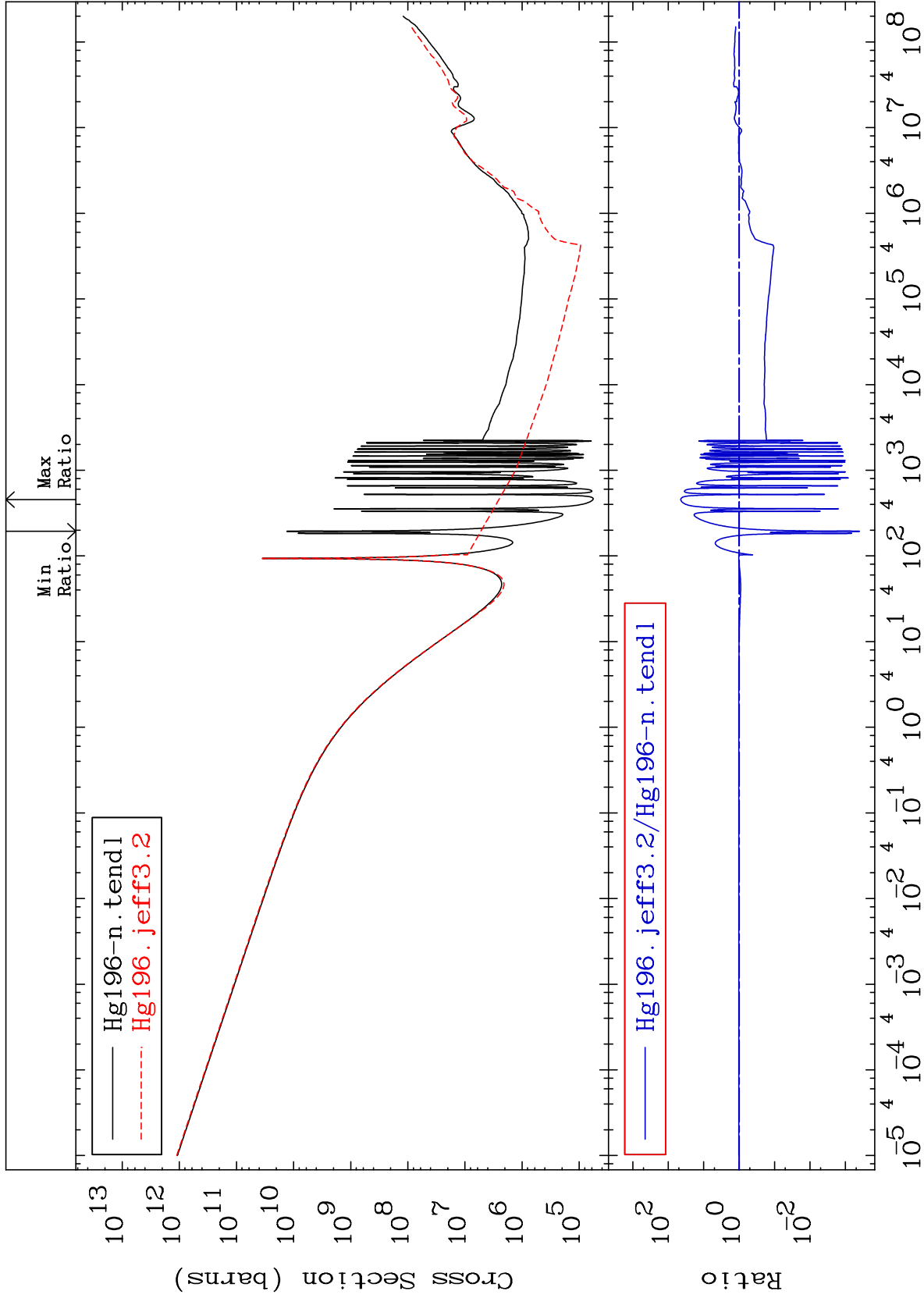
80-Hg-196

MAT 8025

He-4 Production
Cross Section

80-Hg-196
-99.39 To 463.0 %

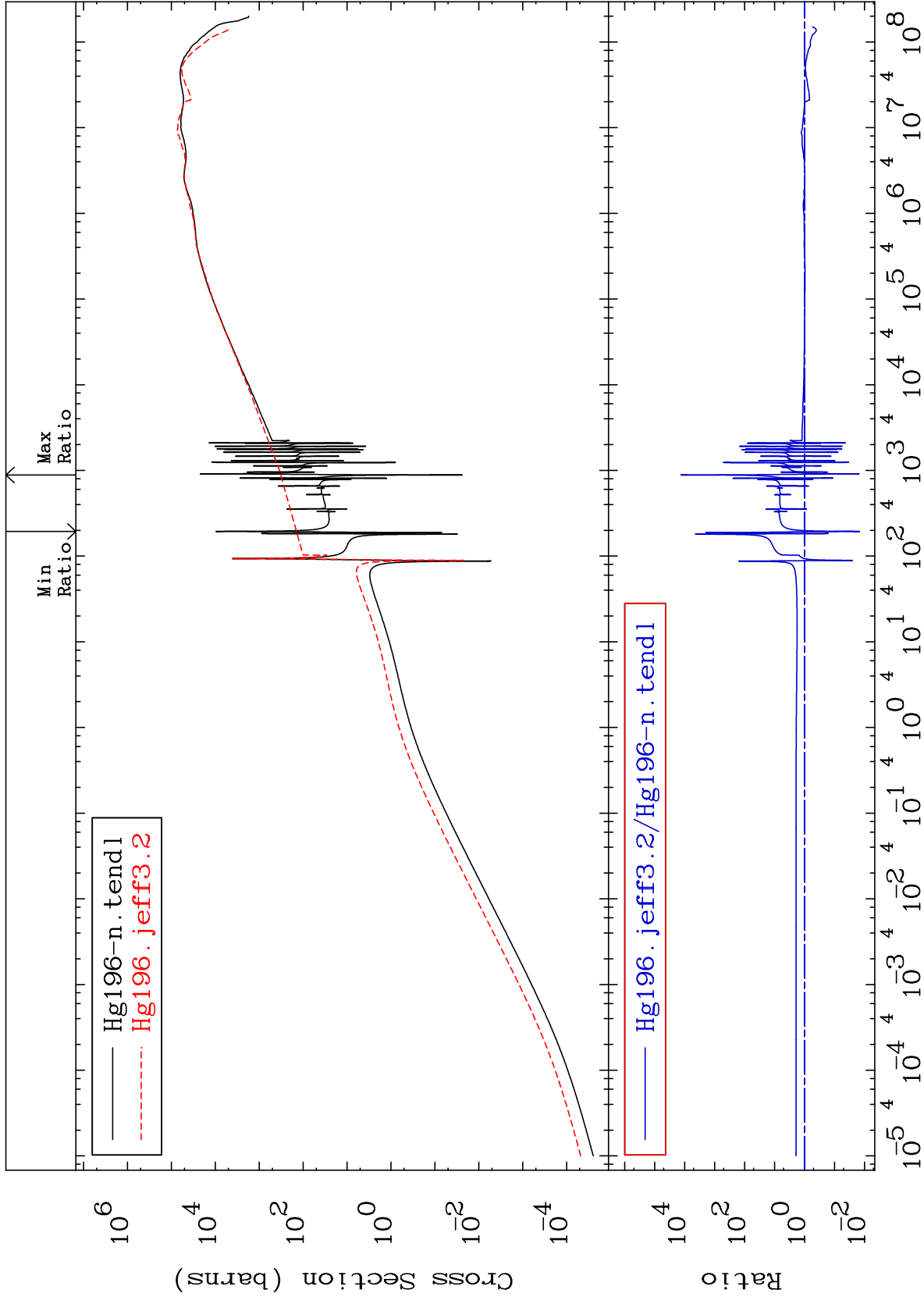


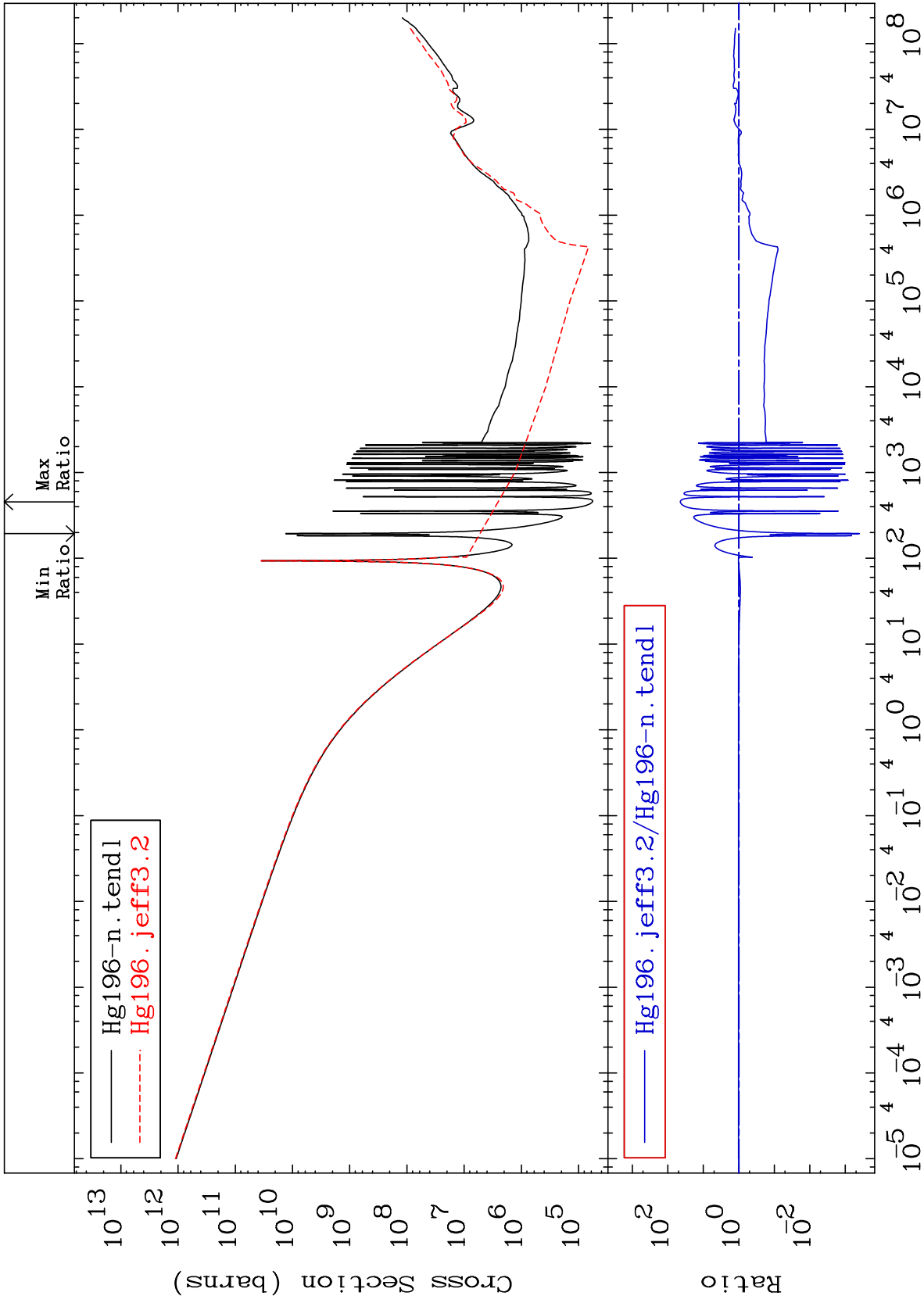


MAT 8025

Kerma elastic
Cross Section

80-Hg-196
-98.54 To 9999. %

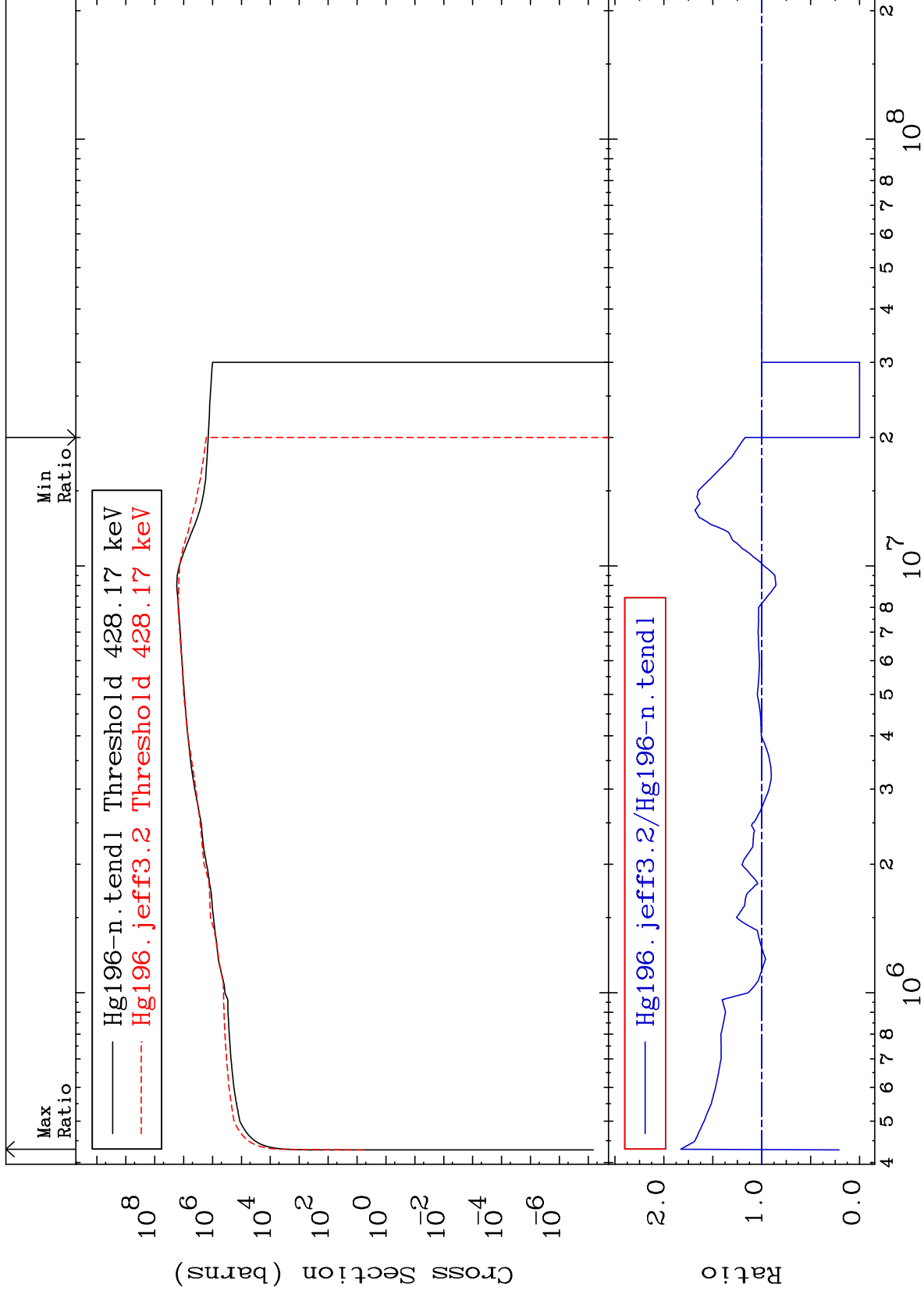




MAT 8025

Kerma inelastic (mt51-91)
Cross Section

80-Hg-196
-100.0 To 82.76 %



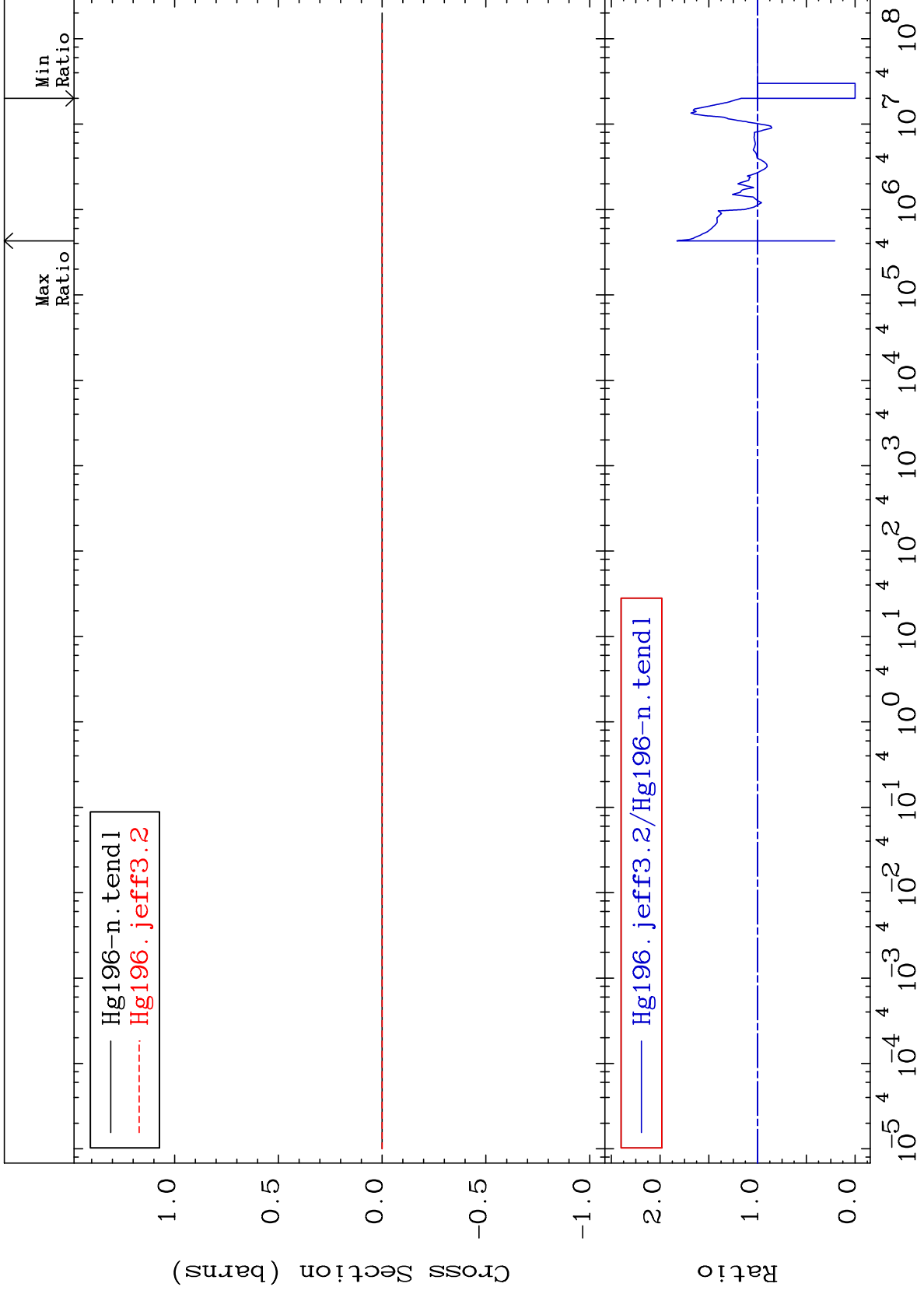
41

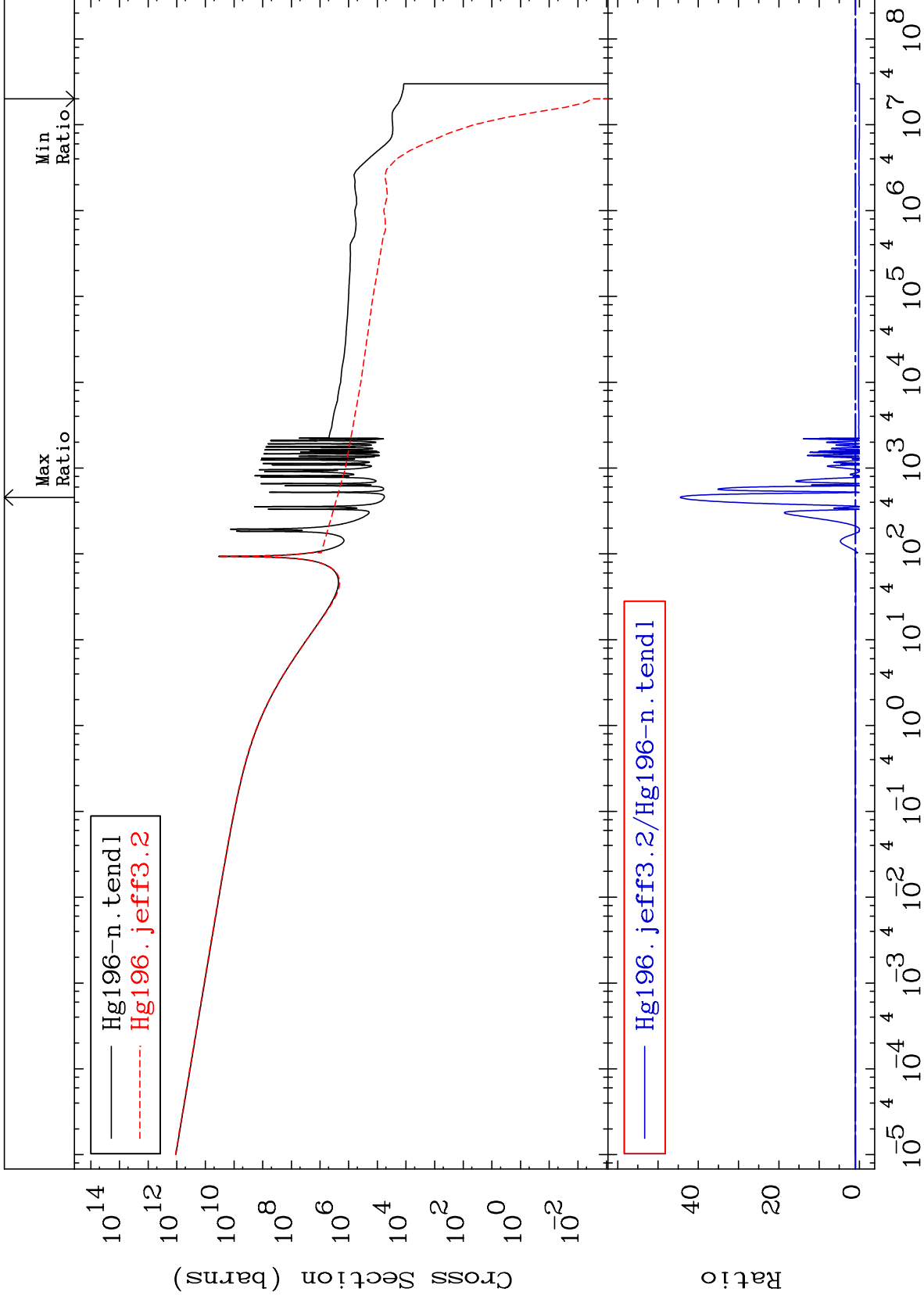
80-Hg-196

MAT 8025

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

80-Hg-196
-100.0 To 82.76 %



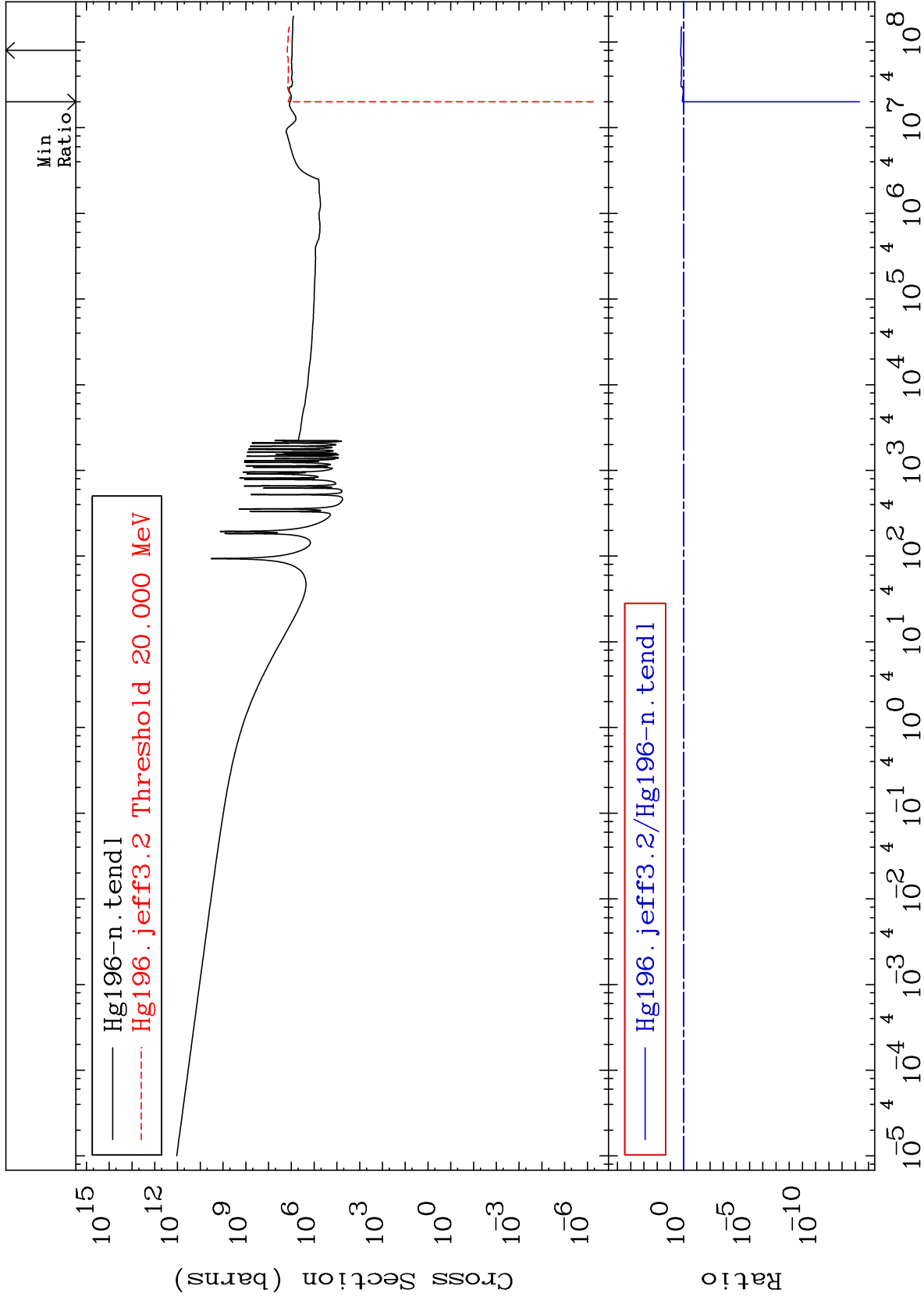


MAT 8025

Total photon (eV-barns)
Cross Section

80-Hg-196

-100.0 To 62.12 %



44

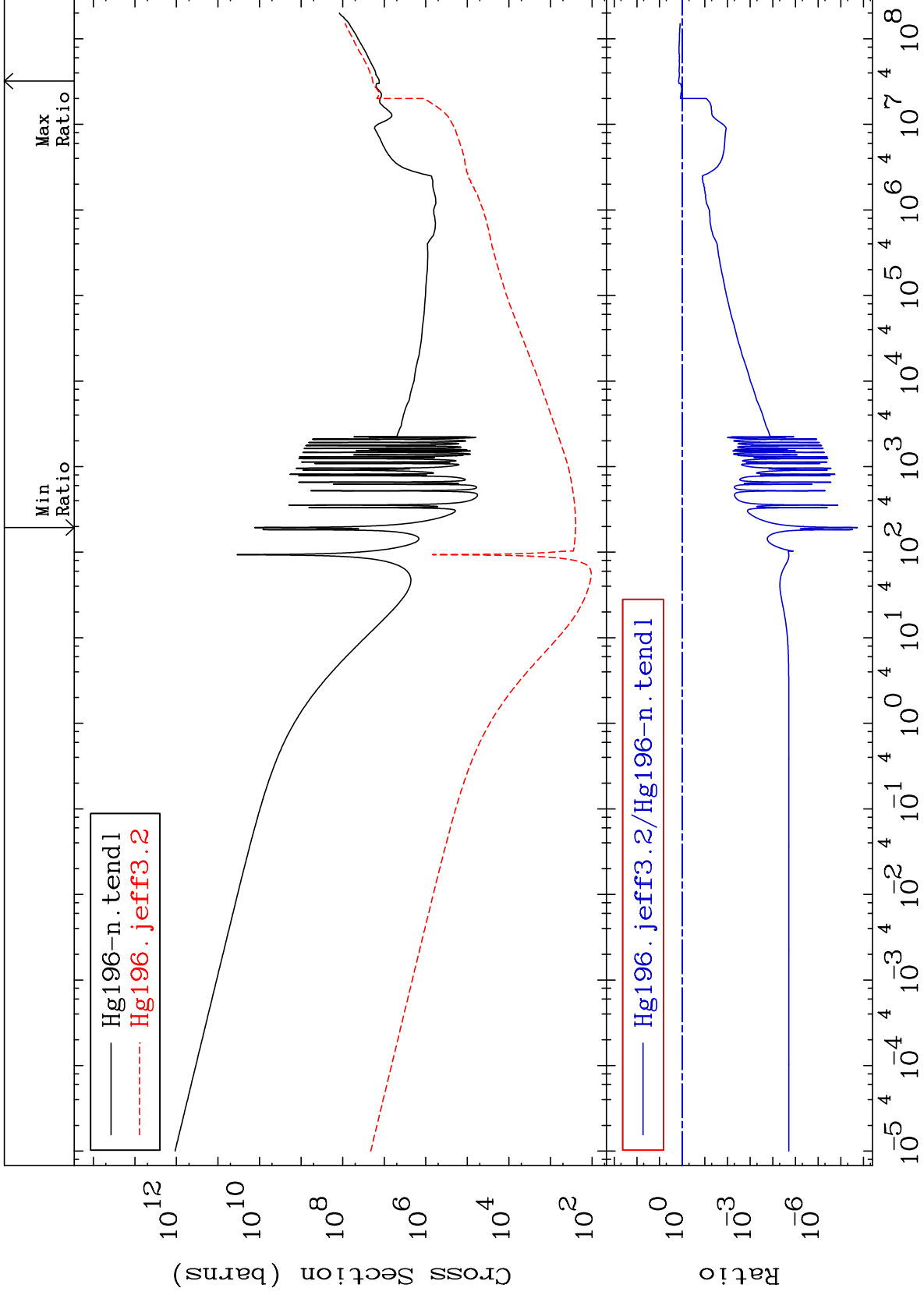
Incident Energy (eV)

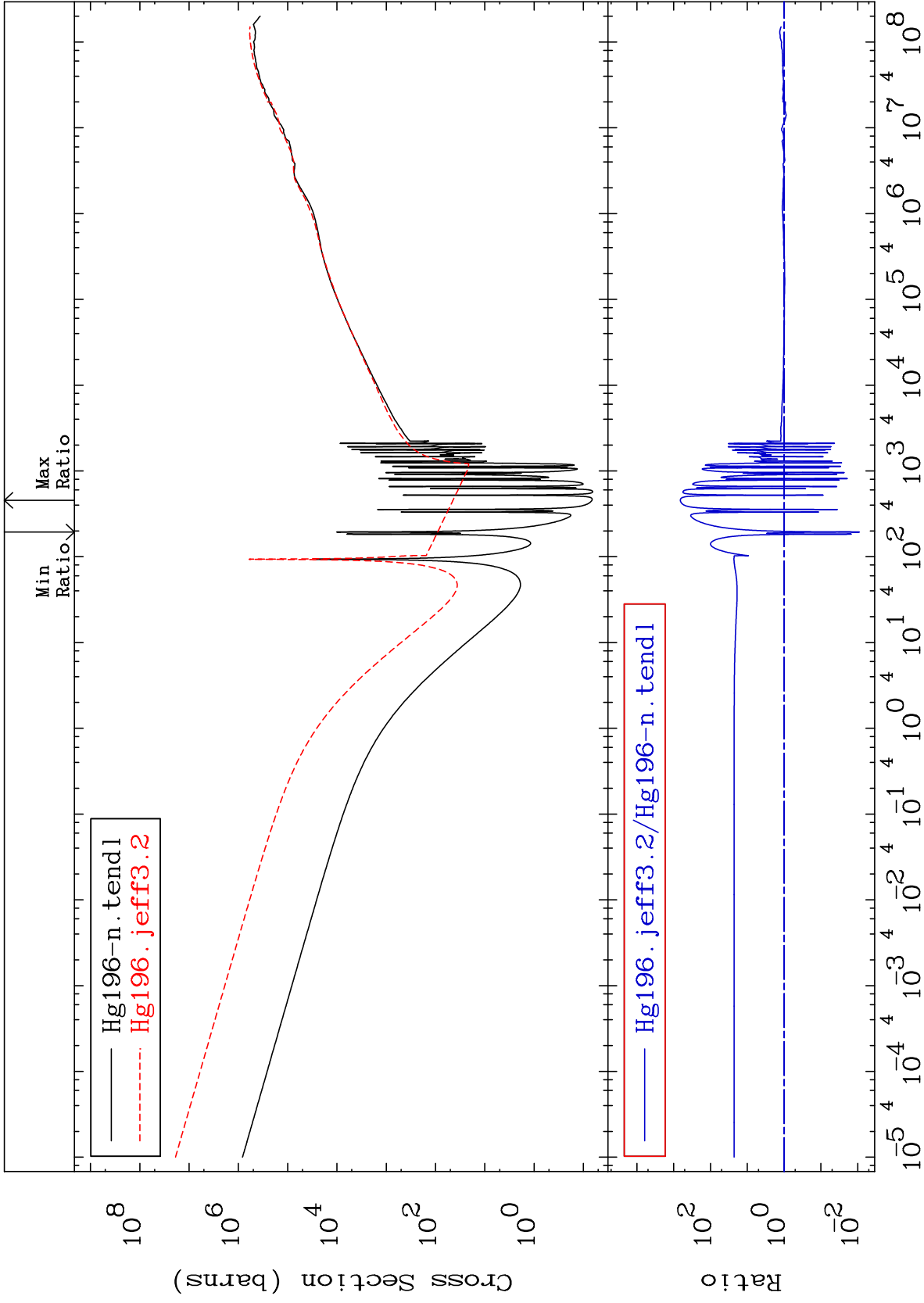
80-Hg-196

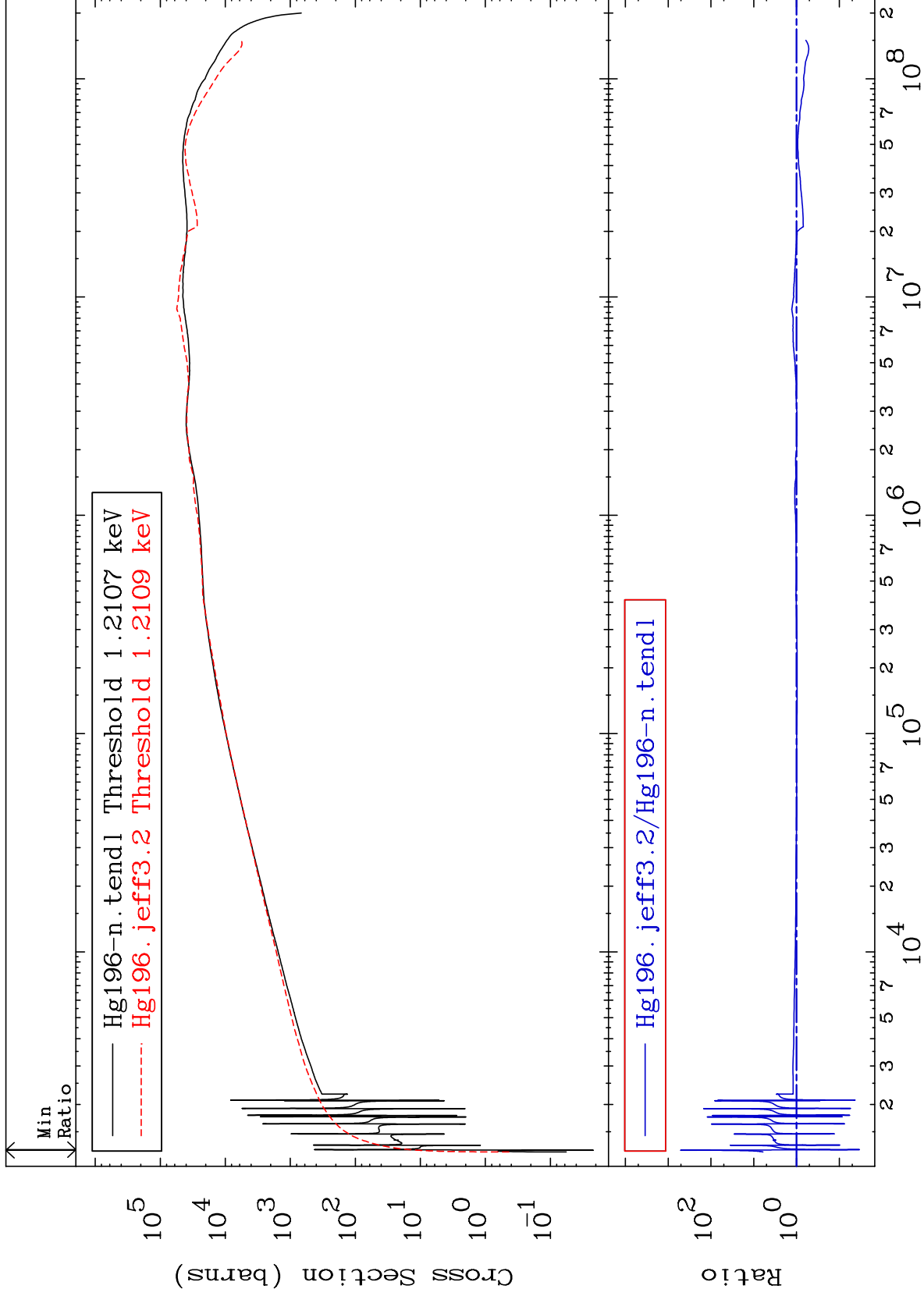
MAT 8025

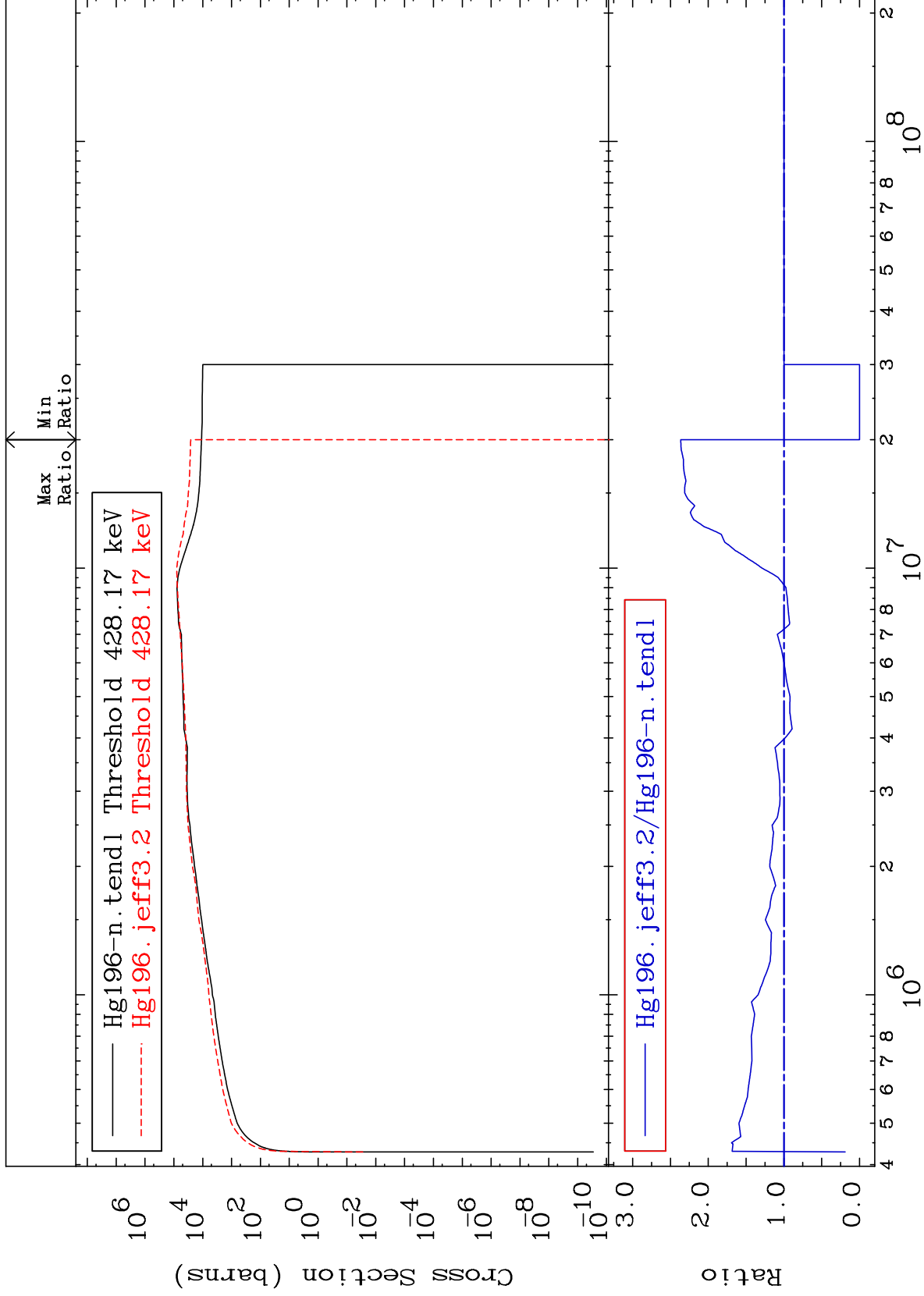
Total kinematic kerma (high limit)
Cross Section

80-Hg-196
-100.0 To 43.78 %









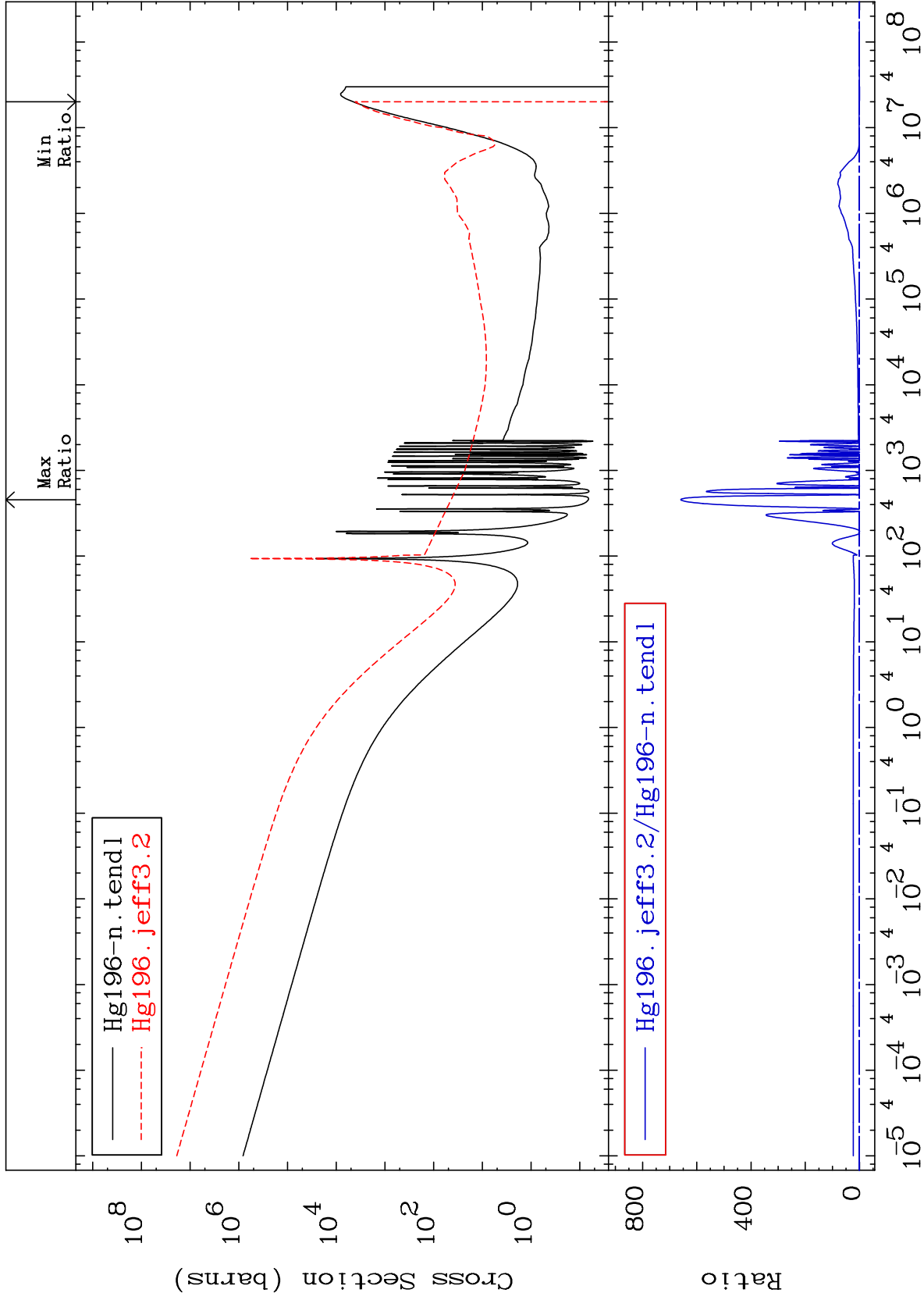
MAT 8025

Dpa disappearance (mt102 -120)

80-Hg-196

-100.0 To 9999. %

Cross Section



49

Incident Energy (eV)

80-Hg-196