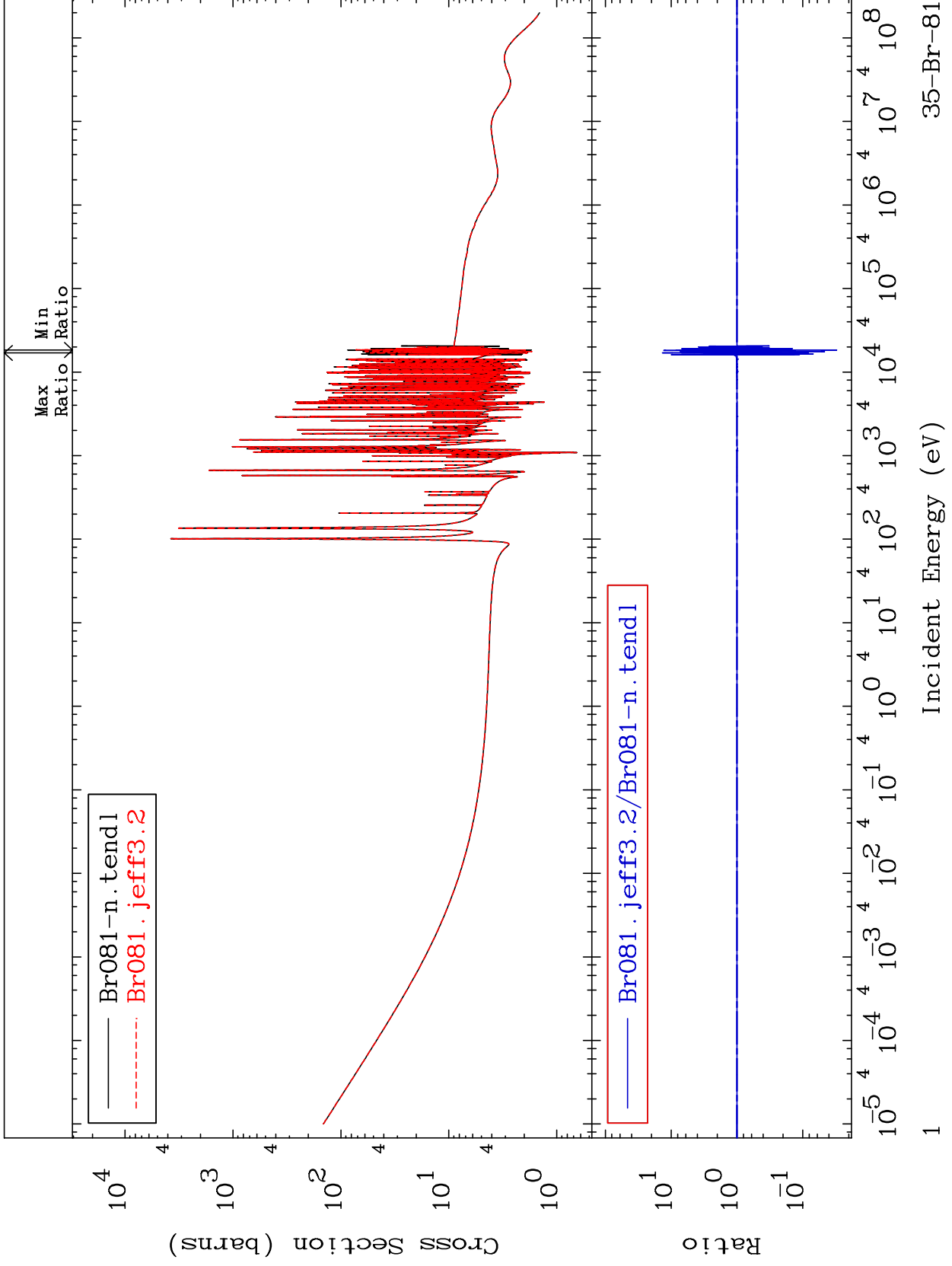


MAT 3531

Total
Cross Section

35-Br-81
-96.94 To 1266. %

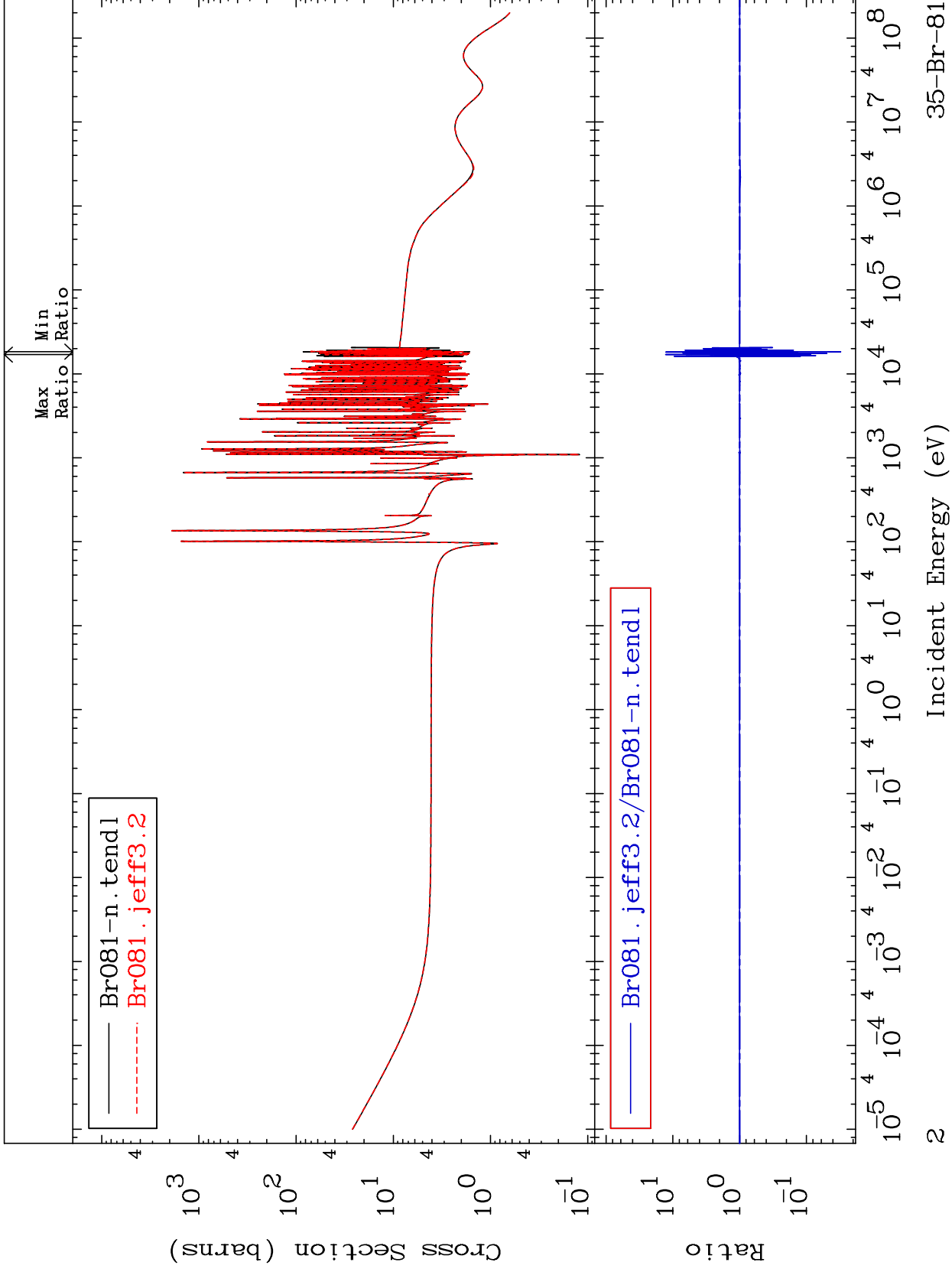


35-Br-81

MAT 3531

Elastic
Cross Section

35-Br-81
-96.93 To 1188. %



35-Br-81

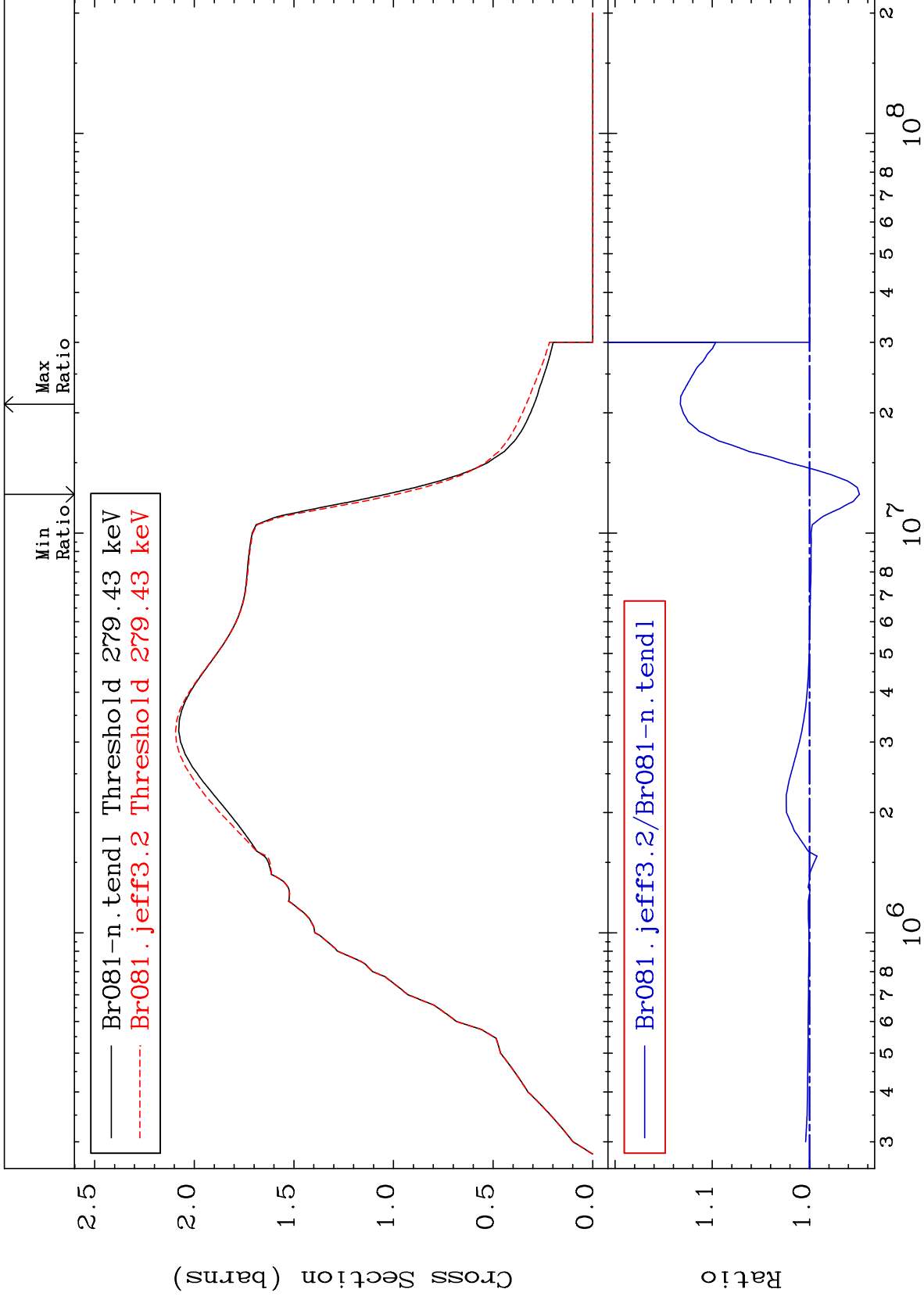
Incident Energy (eV)

2

MAT 3531

Inelastic
Cross Section

35-Br-81
-5.139 To 13.29 %



3

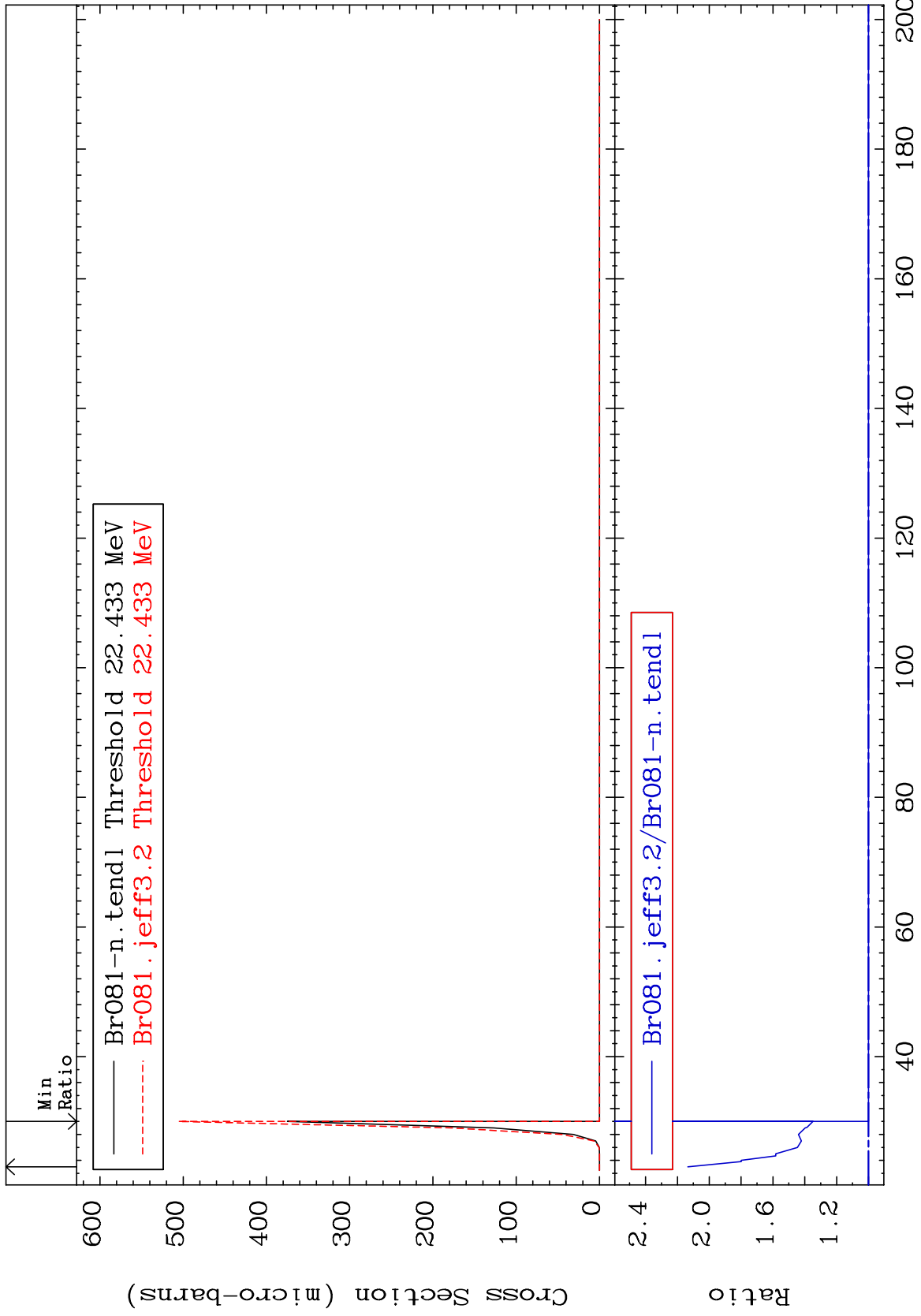
Incident Energy (eV)

35-Br-81

MAT 3531

(n,2n) d
Cross Section

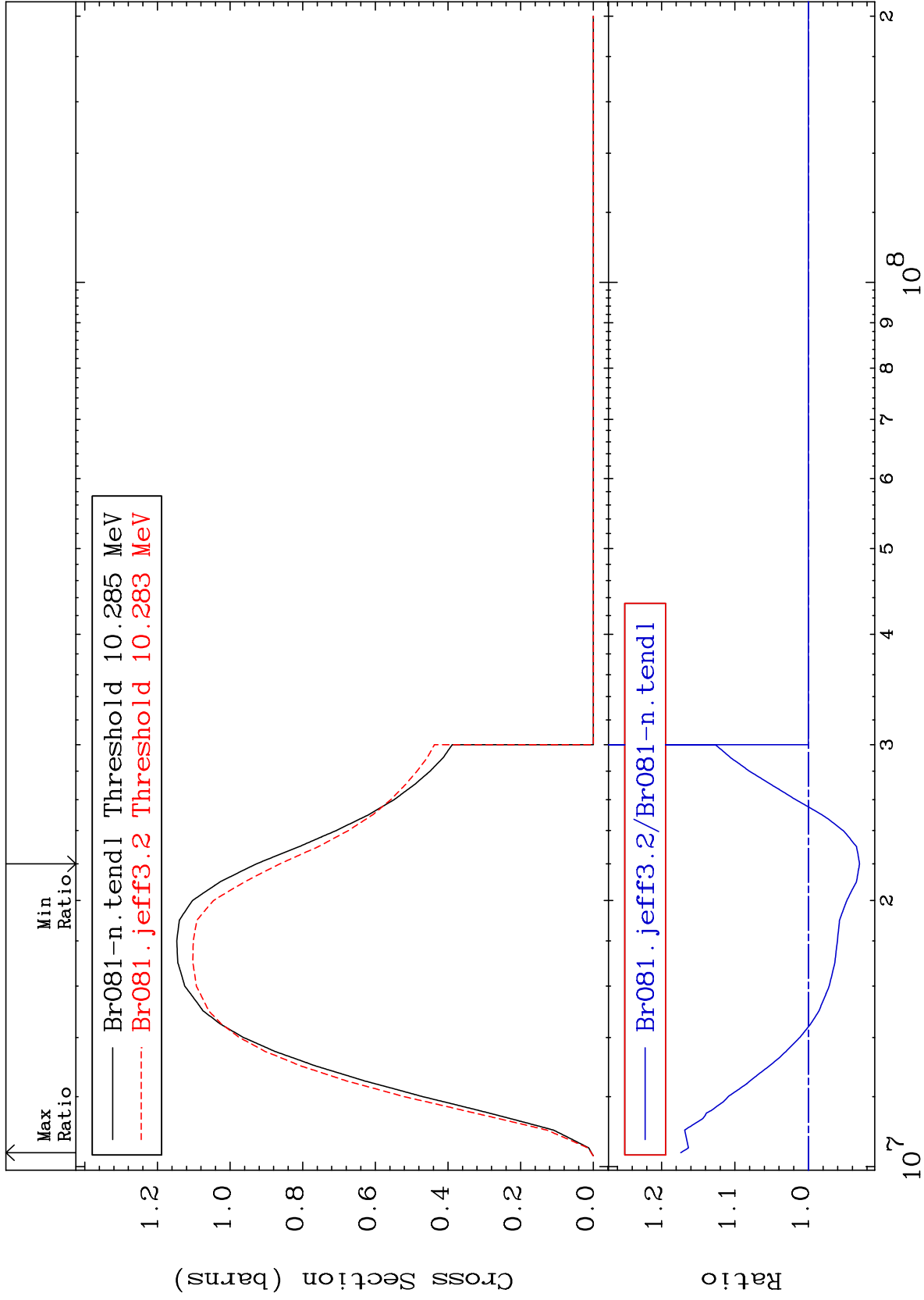
³⁵Br-81
0.000 To 113.4 %



MAT 3531

(n,2n)
Cross Section

³⁵Br-81
-6.969 To 17.38 %

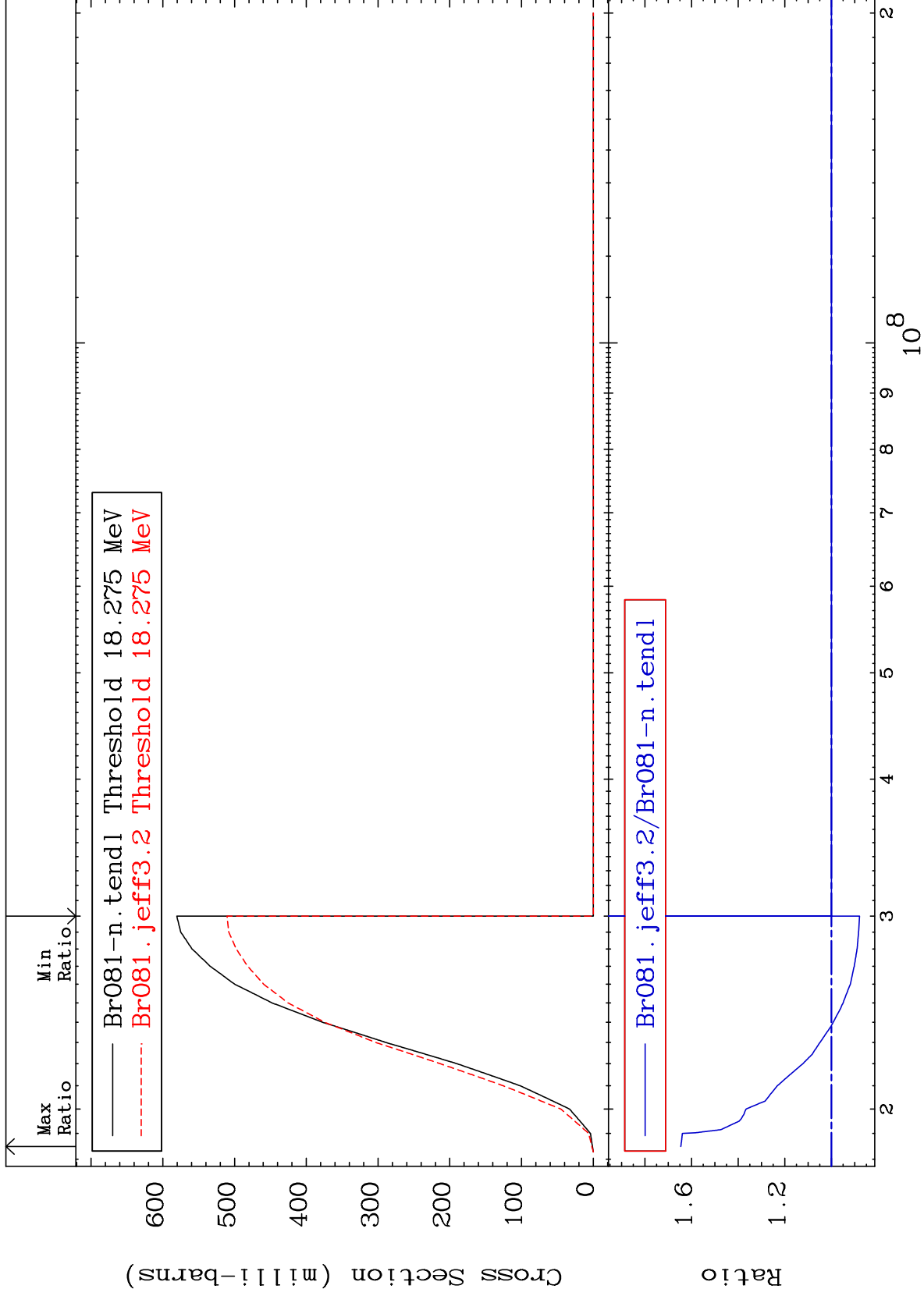


35-Br-81

MAT 3531

(n,3n)
Cross Section

³⁵Br-81
-12.06 To 64.59 %



6

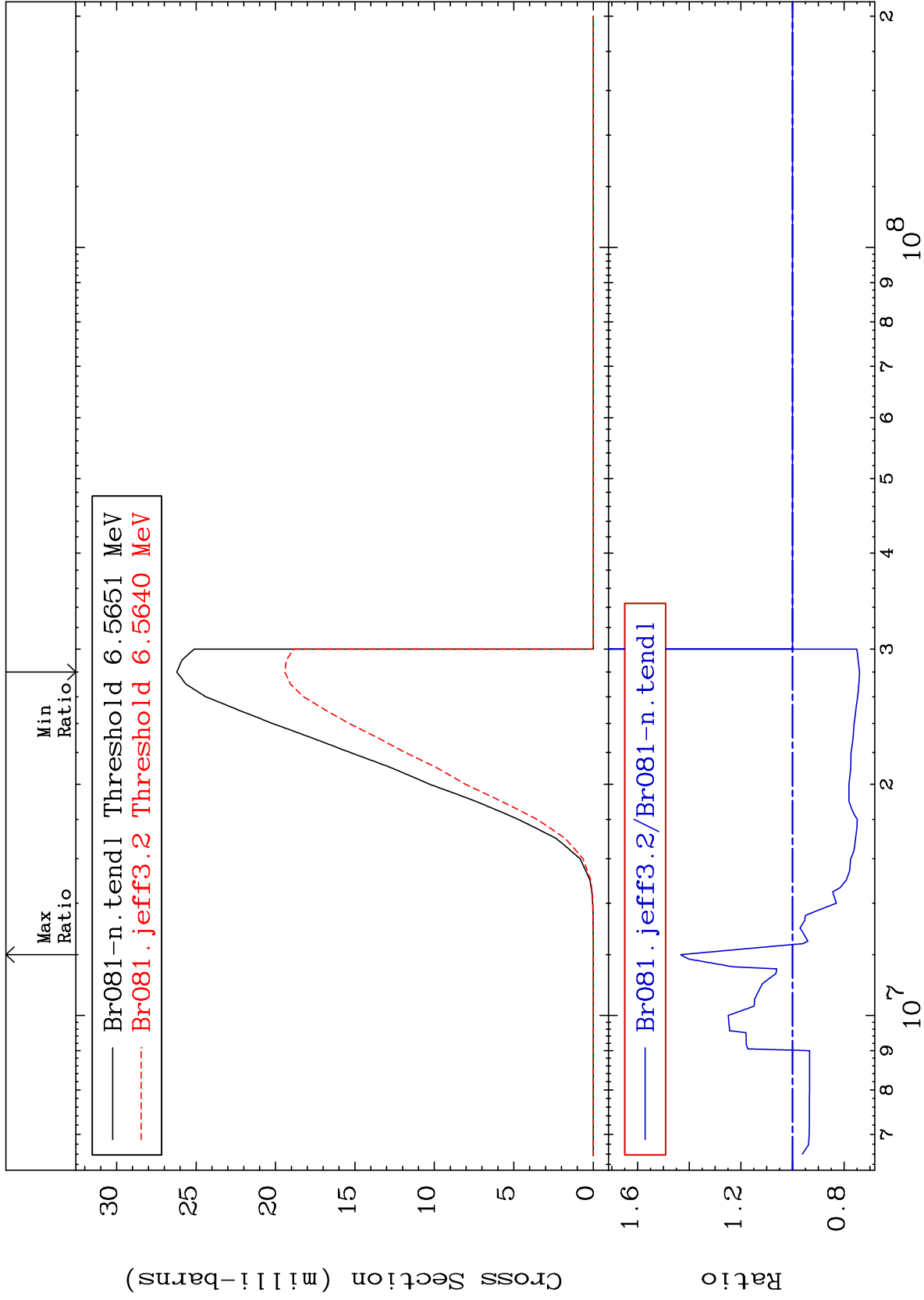
Incident Energy (eV)

³⁵Br-81

MAT 3531

(n, n') α
Cross Section

³⁵Br-81
-25.94 To 43.28 %



7

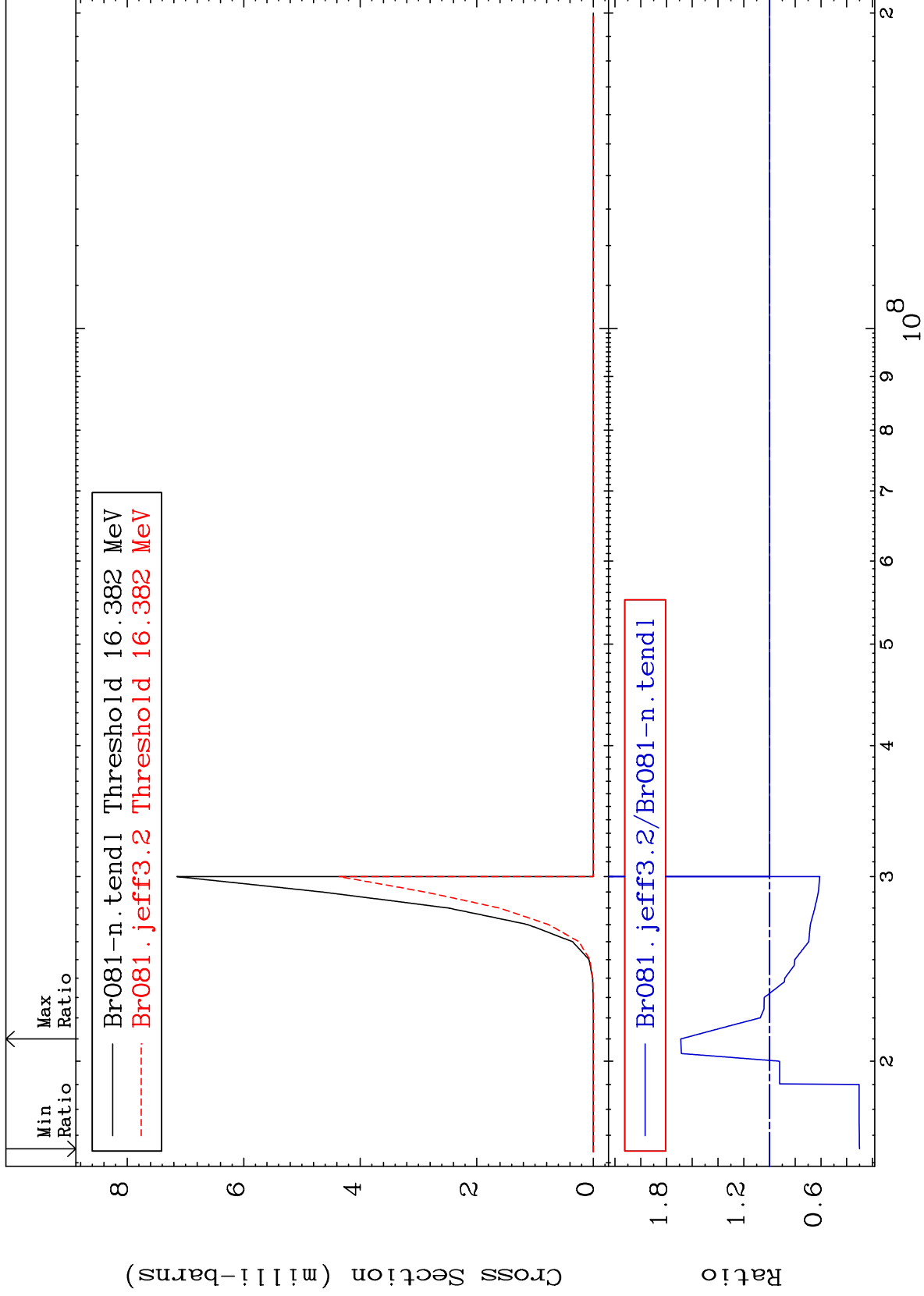
Incident Energy (eV)

³⁵Br-81

MAT 3531

(n,2n) α
Cross Section

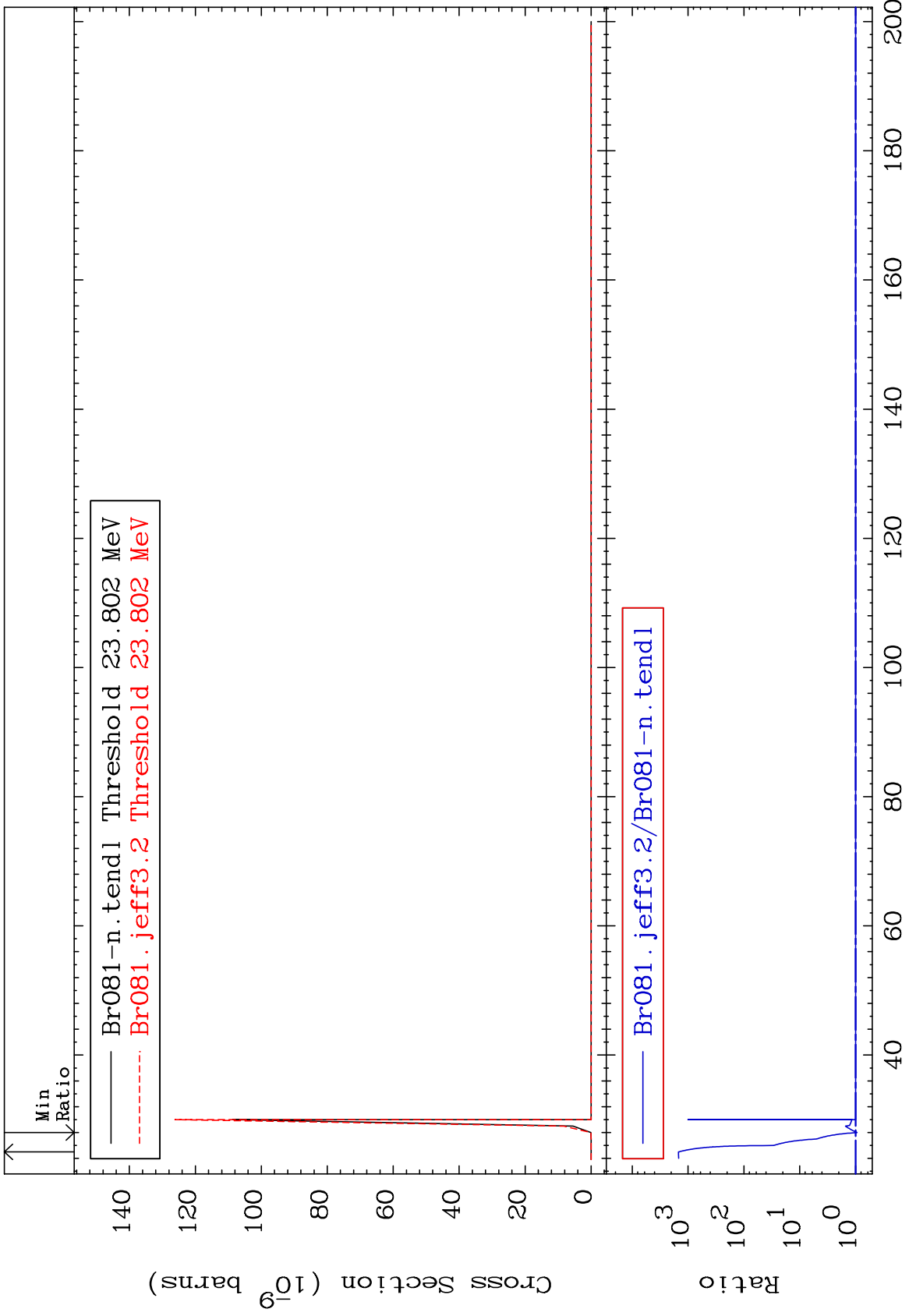
³⁵Br-81
-69.95 To 68.93 %



8

Incident Energy (eV)

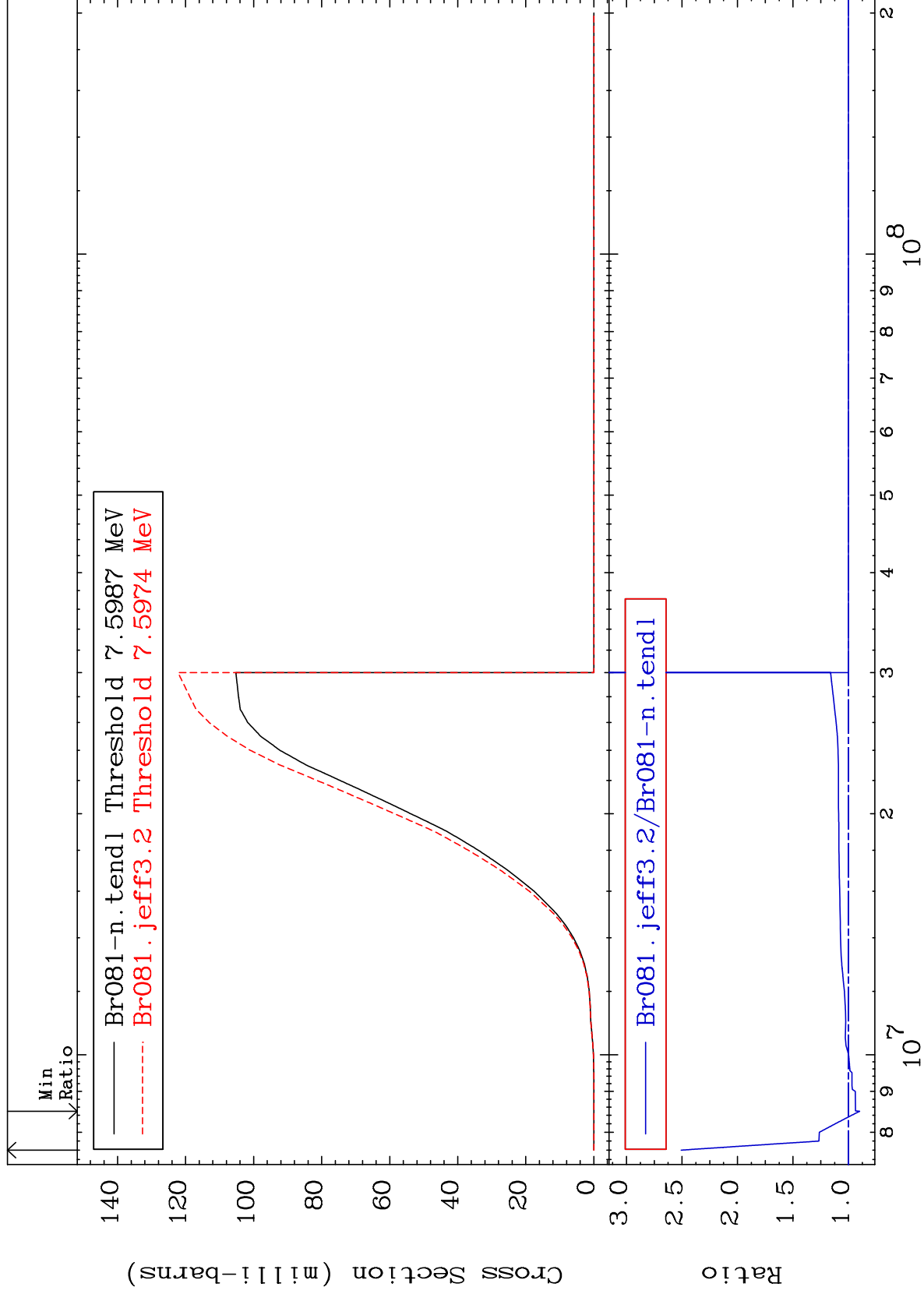
³⁵Br-81



MAT 3531

(n, n') p
Cross Section

³⁵Br-81
-10.03 To 150.7 %



10

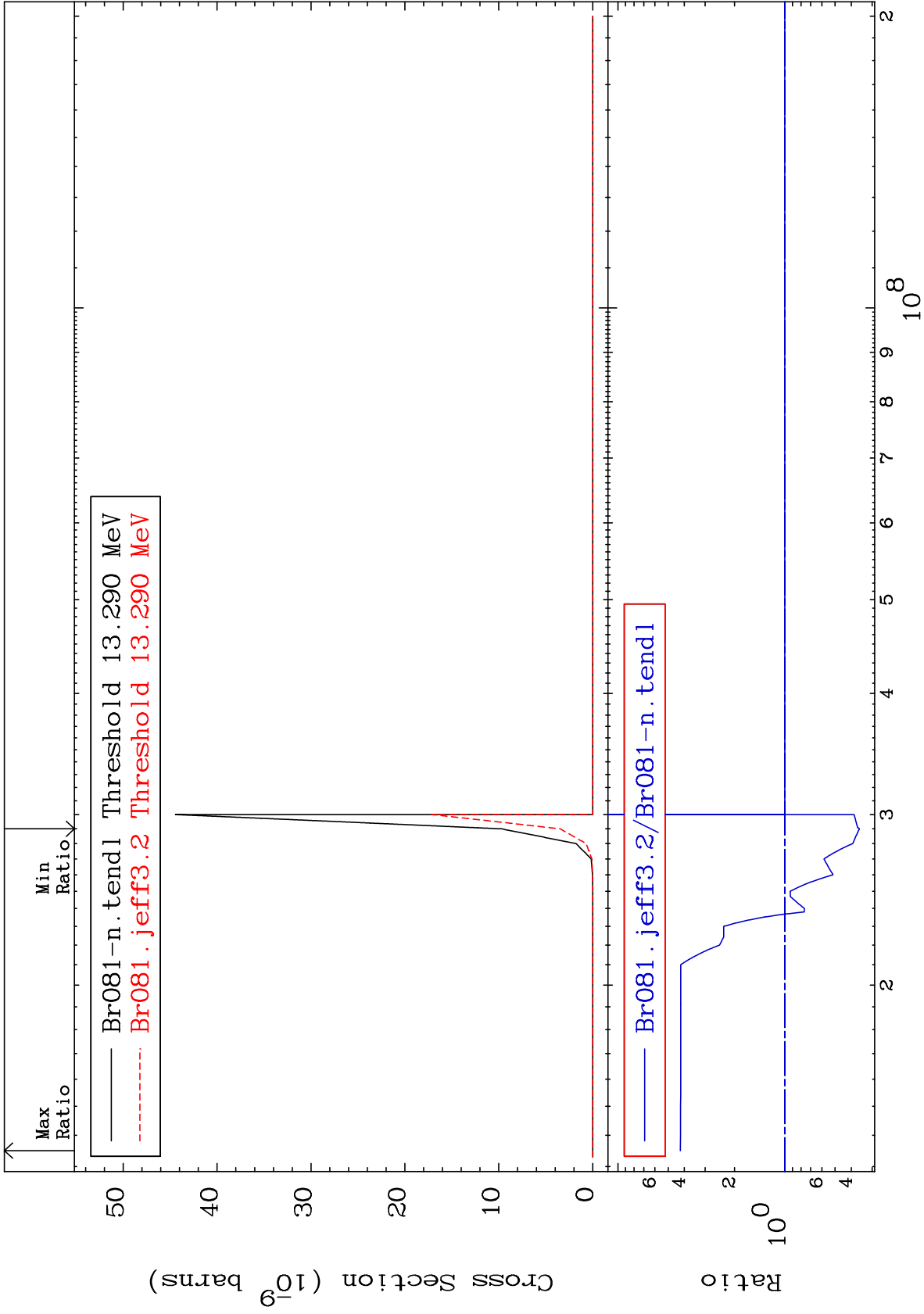
Incident Energy (eV)

³⁵Br-81

MAT 3531

(n, n') 2α
Cross Section

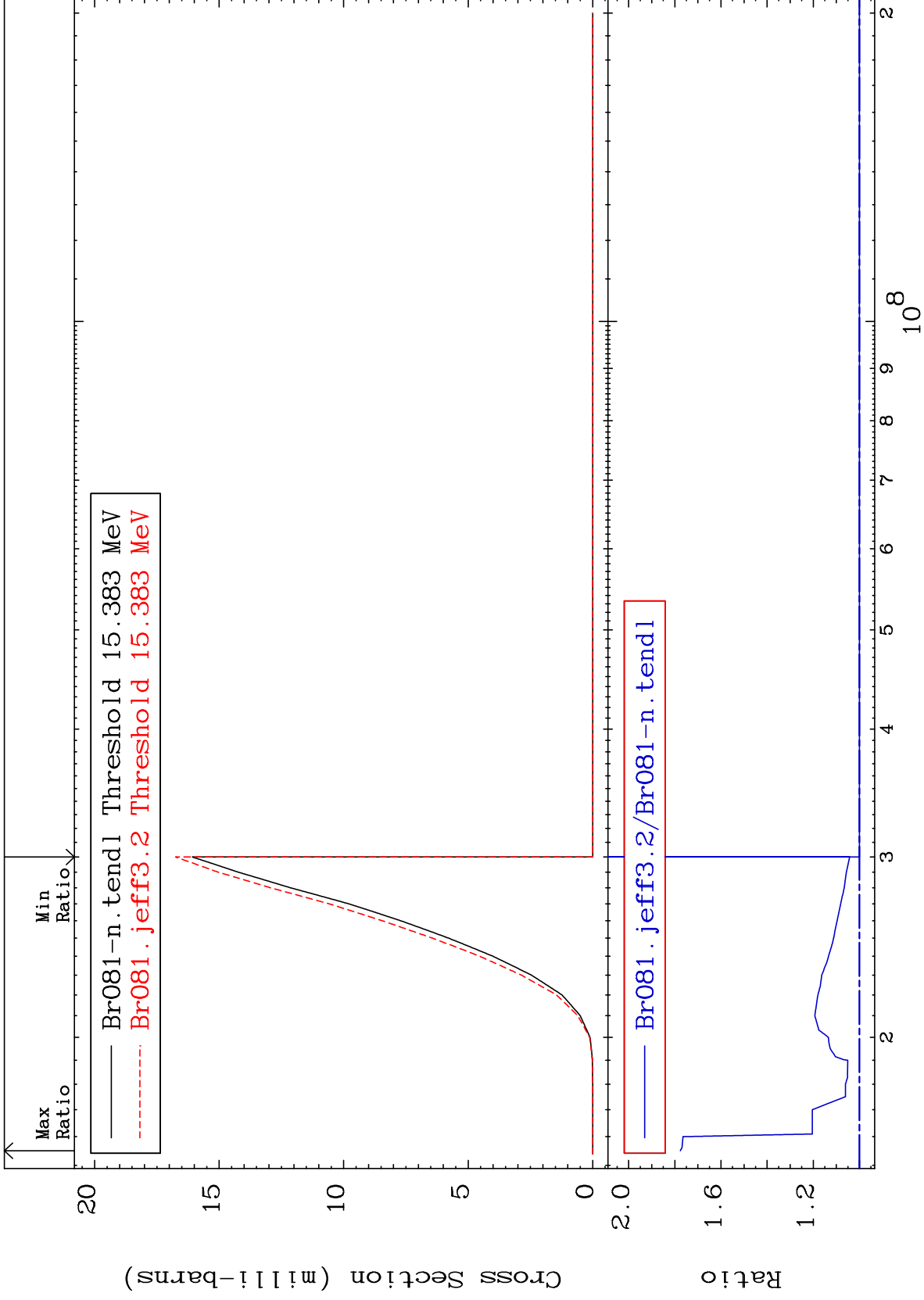
35-Br-81
-64.26 To 322.6 %

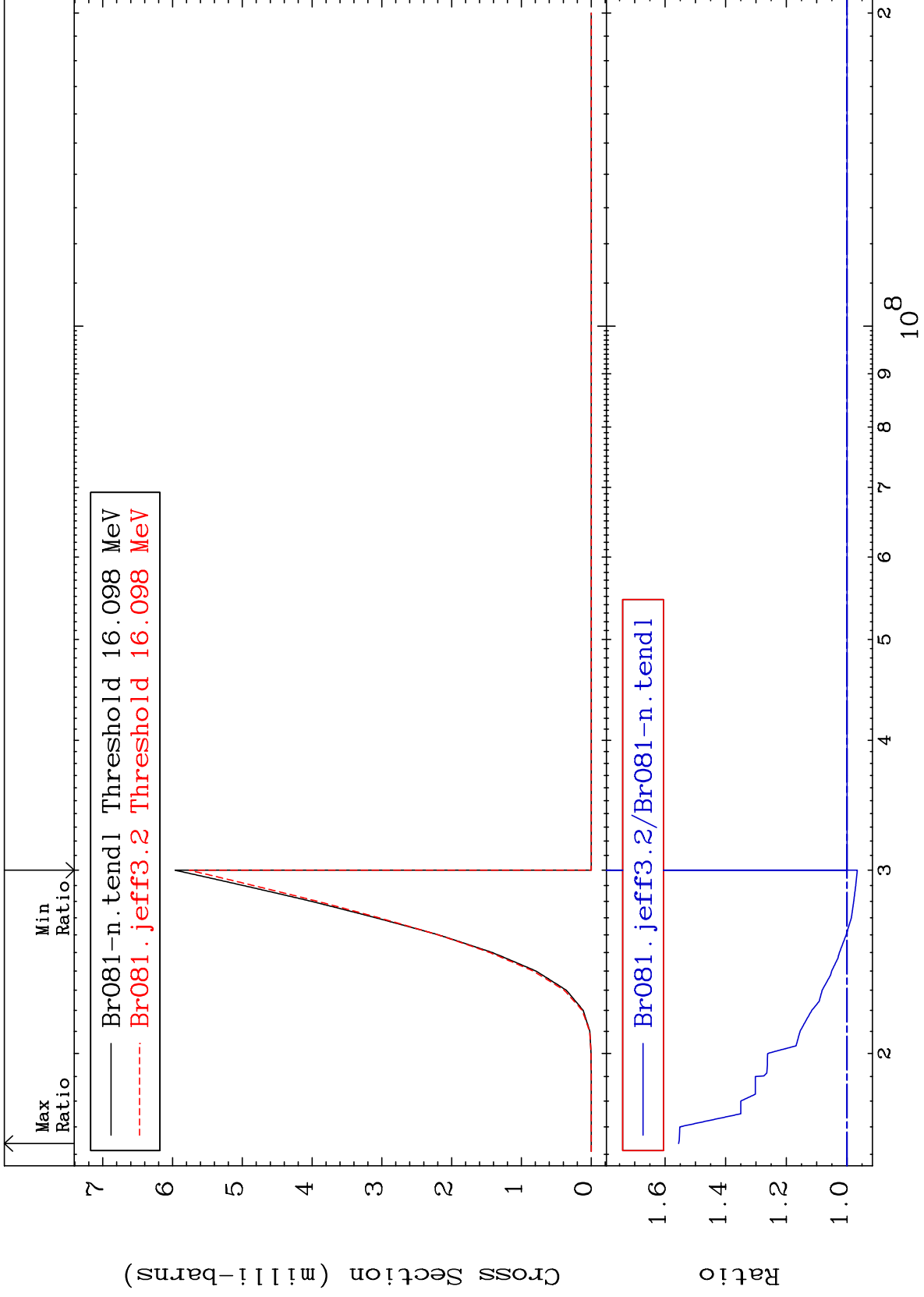


MAT 3531

(n,n') d
Cross Section

35-Br-81
0.000 To 77.60 %

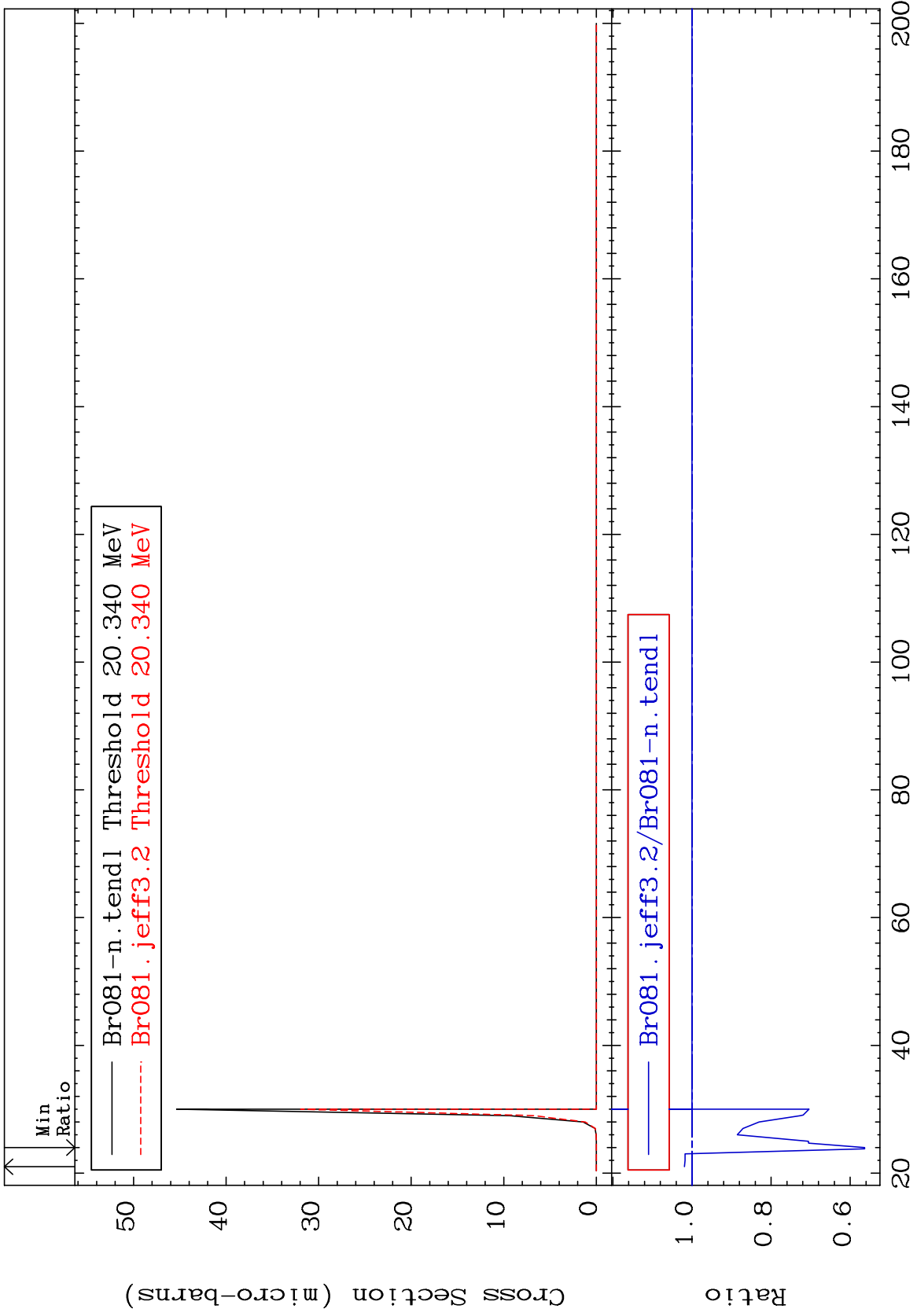




MAT 3531

(n, n') He-3
Cross Section

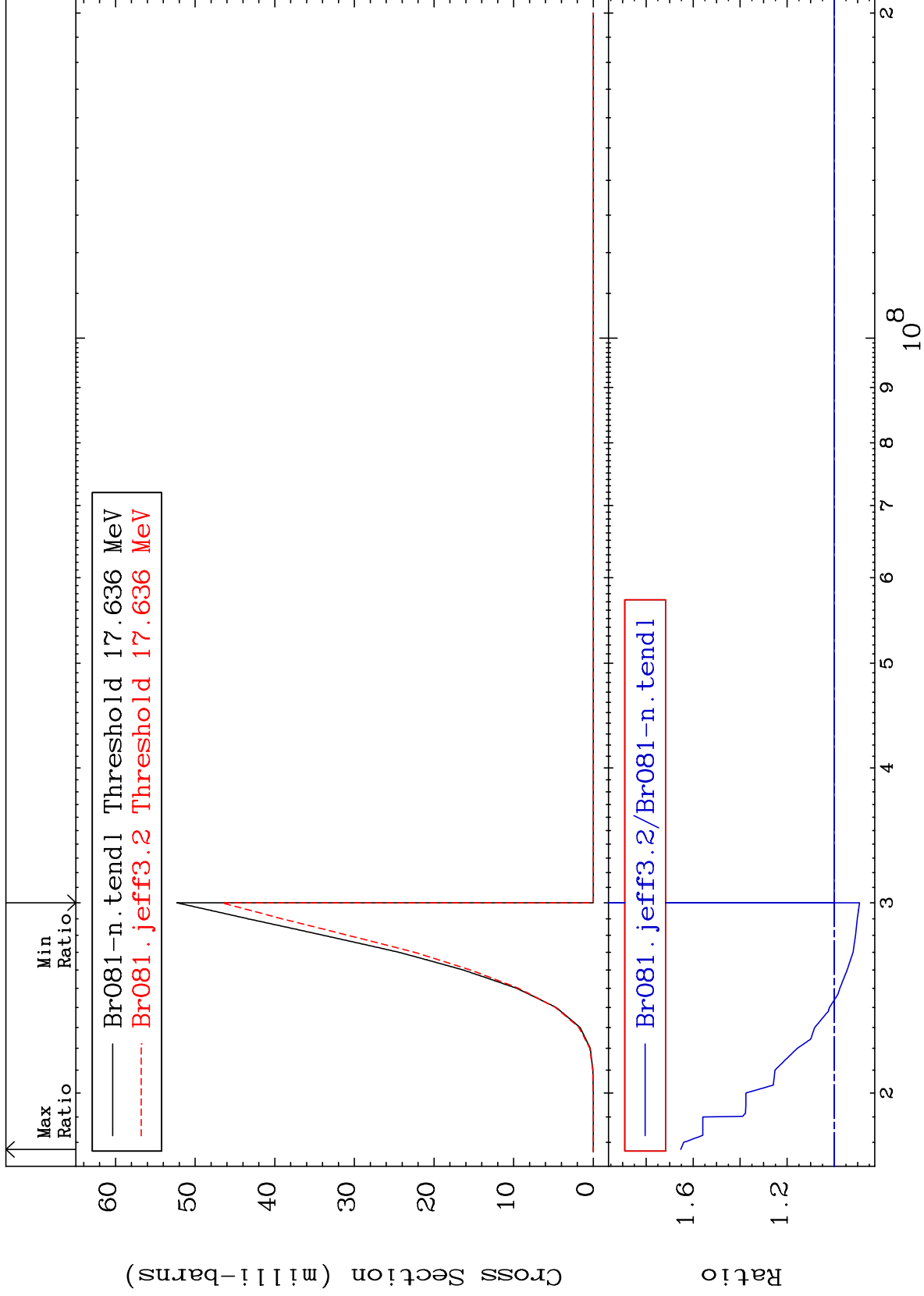
35-Br-81
-43.65 To 1.904 %



MAT 3531

(n,2n) p
Cross Section

³⁵Br-81
-10.80 To 65.25 %



15

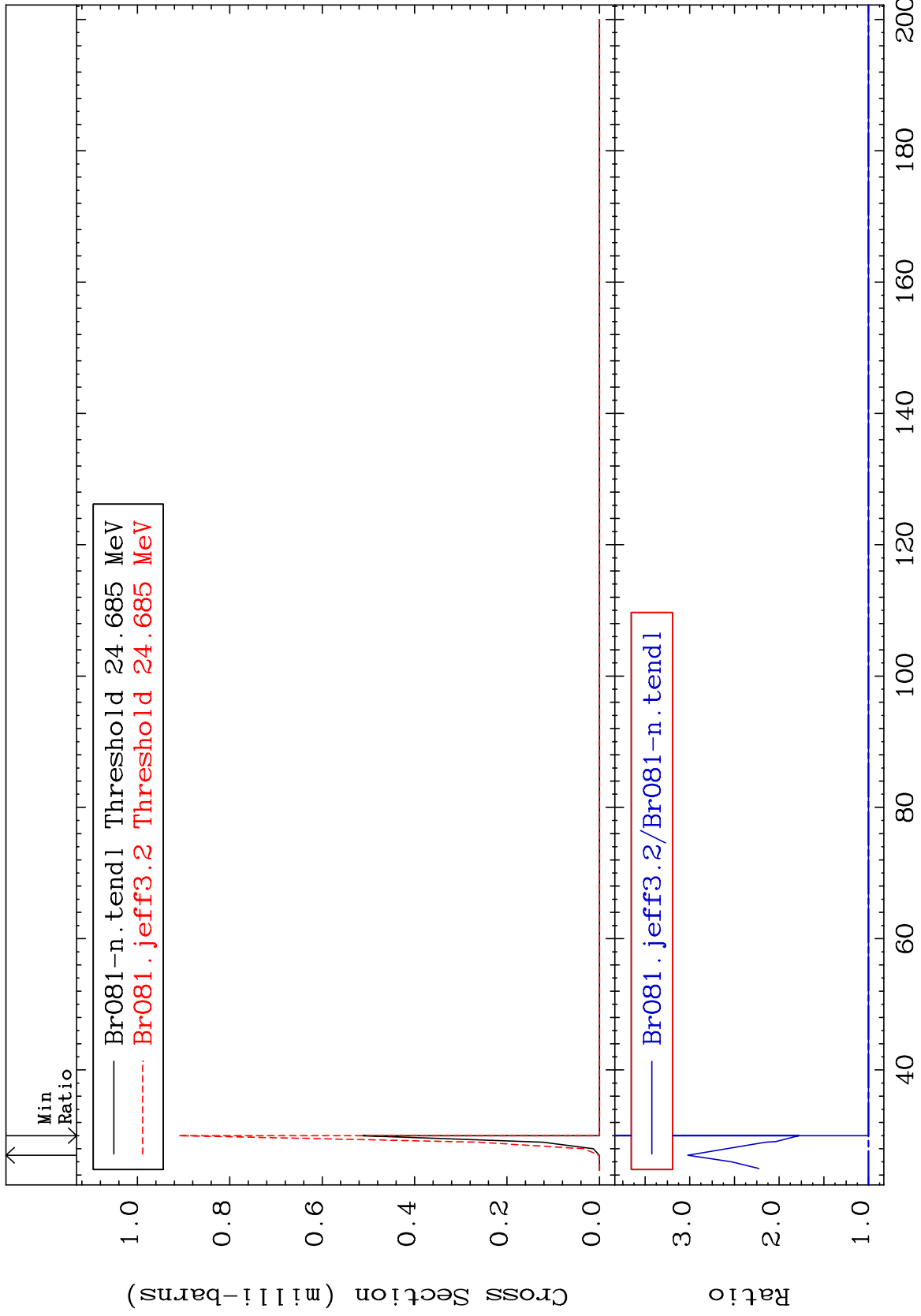
Incident Energy (eV)

³⁵Br-81

MAT 3531

(n,3n) p
Cross Section

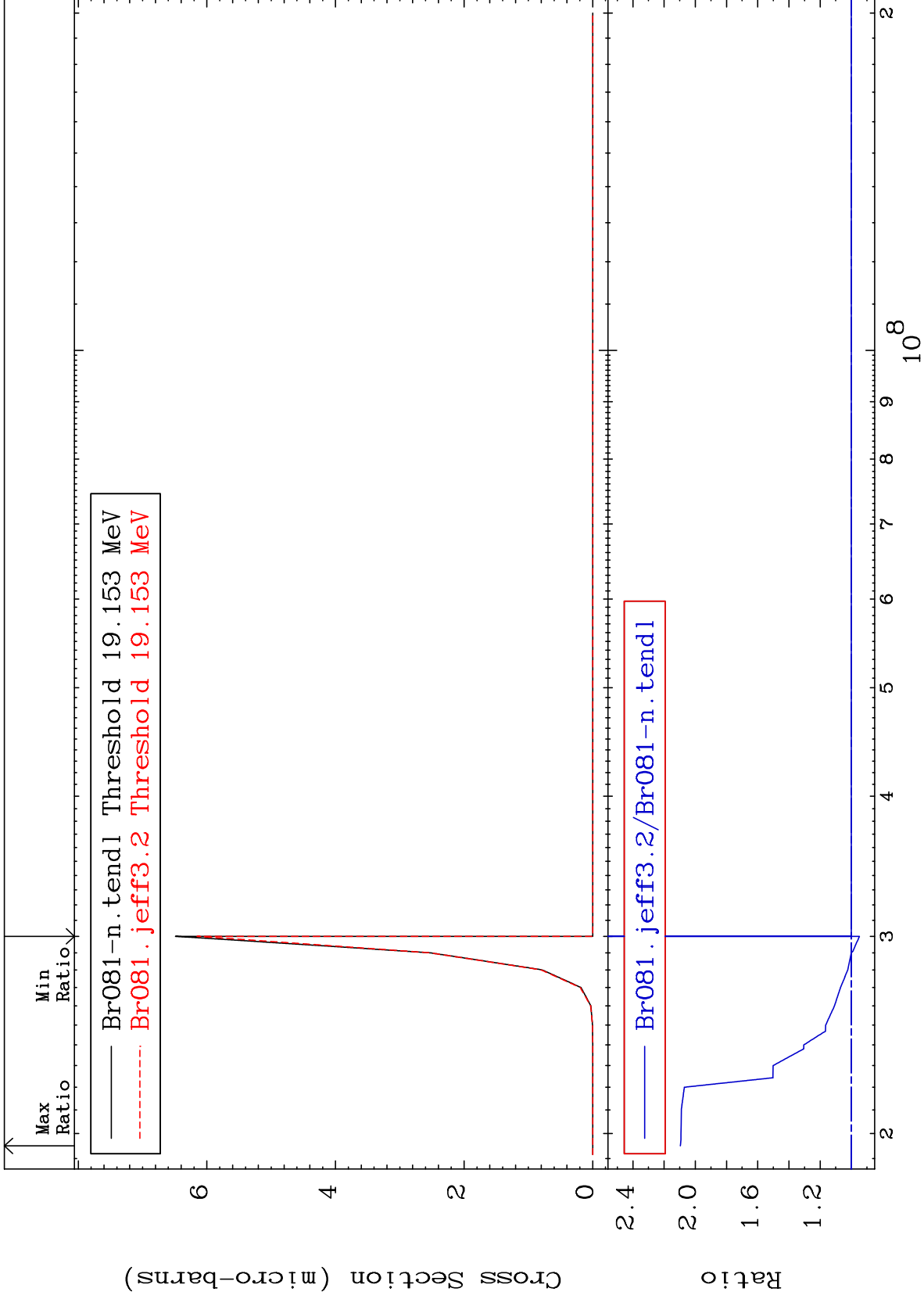
35-Br-81
0.000 To 202.2 %



MAT 3531

(n,2n) p
Cross Section

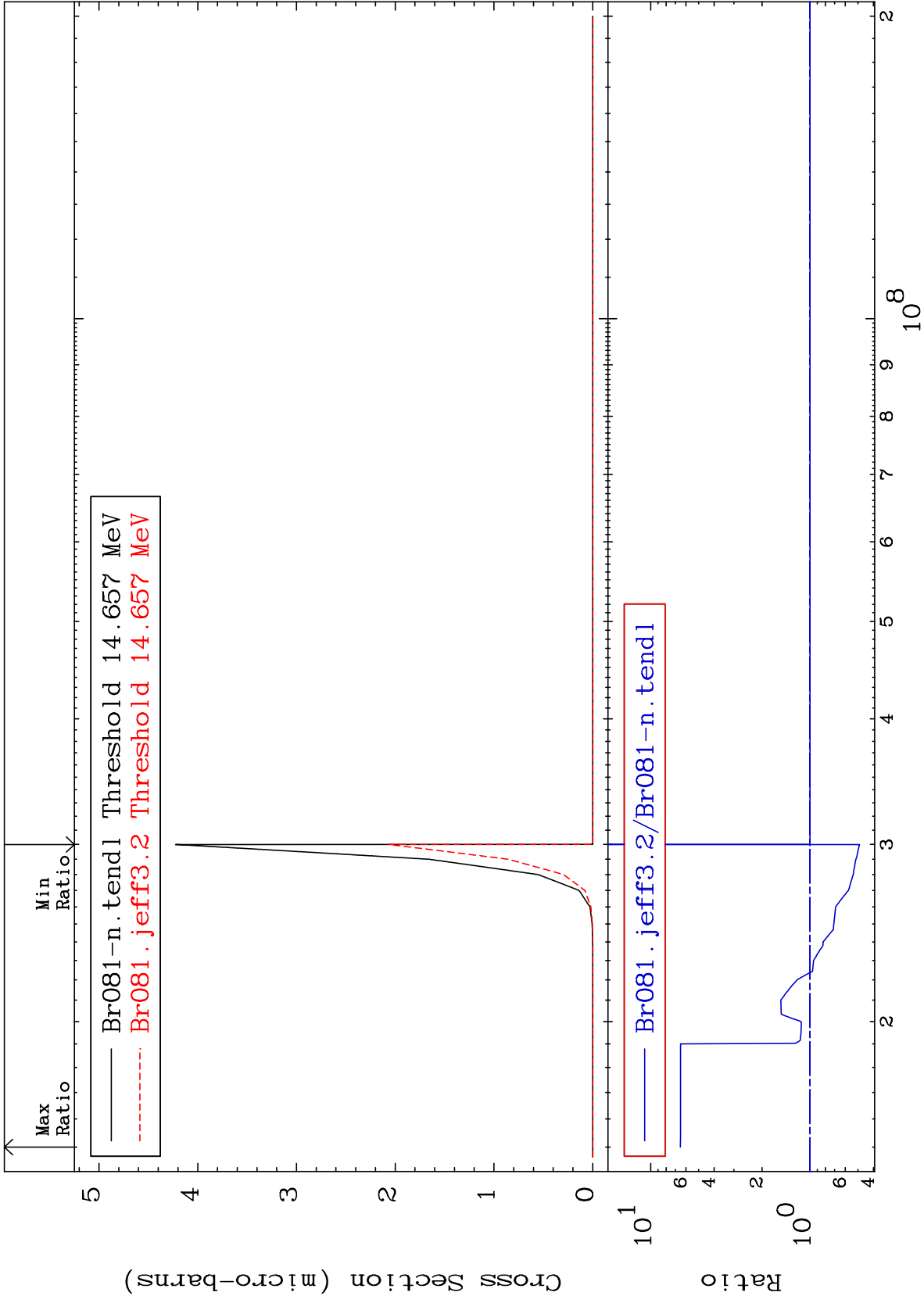
³⁵Br-81
-5.188 To 109.6 %



17

Incident Energy (eV)

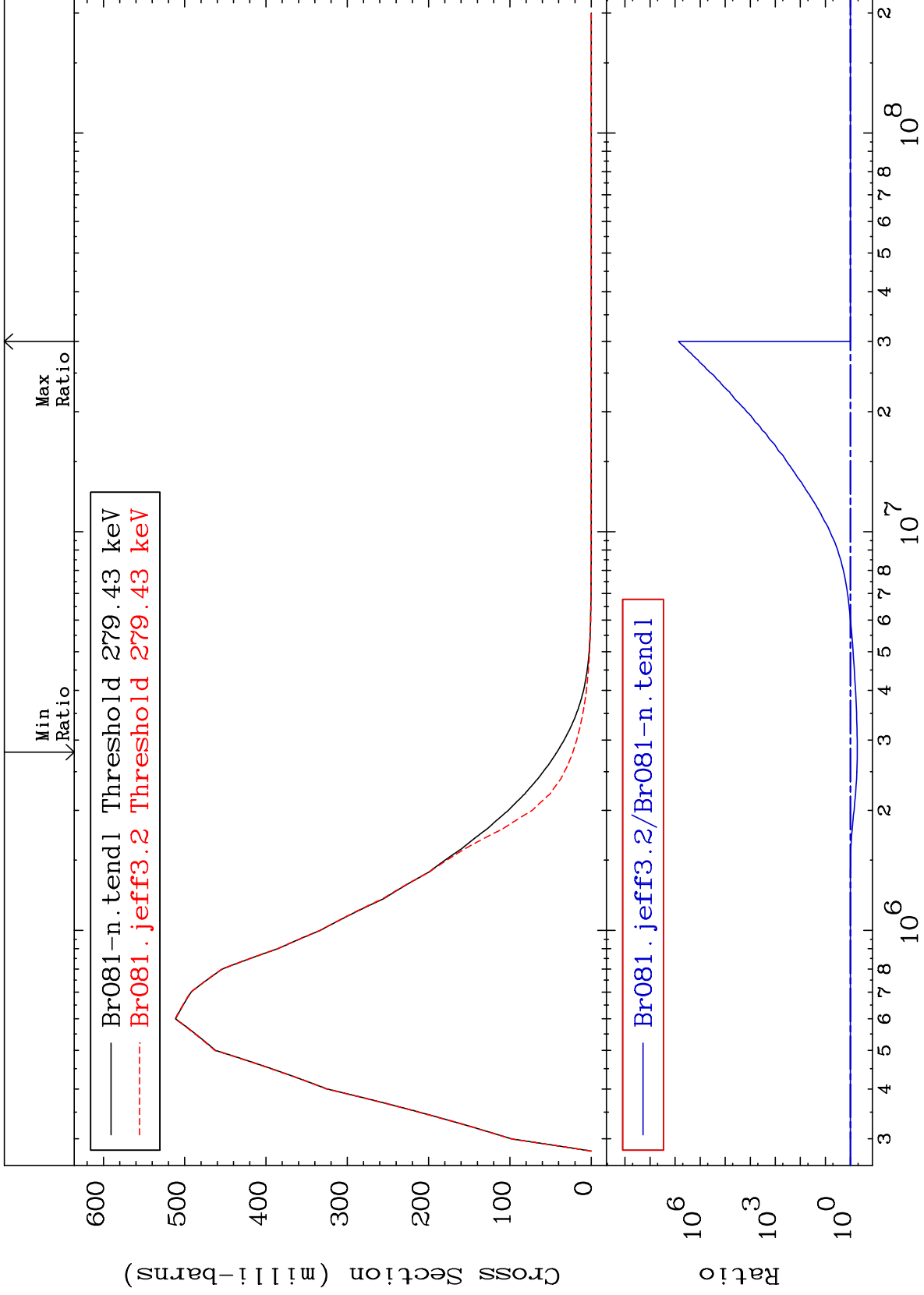
³⁵Br-81



MAT 3531

276.0 keV (n,n') Level
Cross Section

35-Br-81
-46.53 To 9999. %



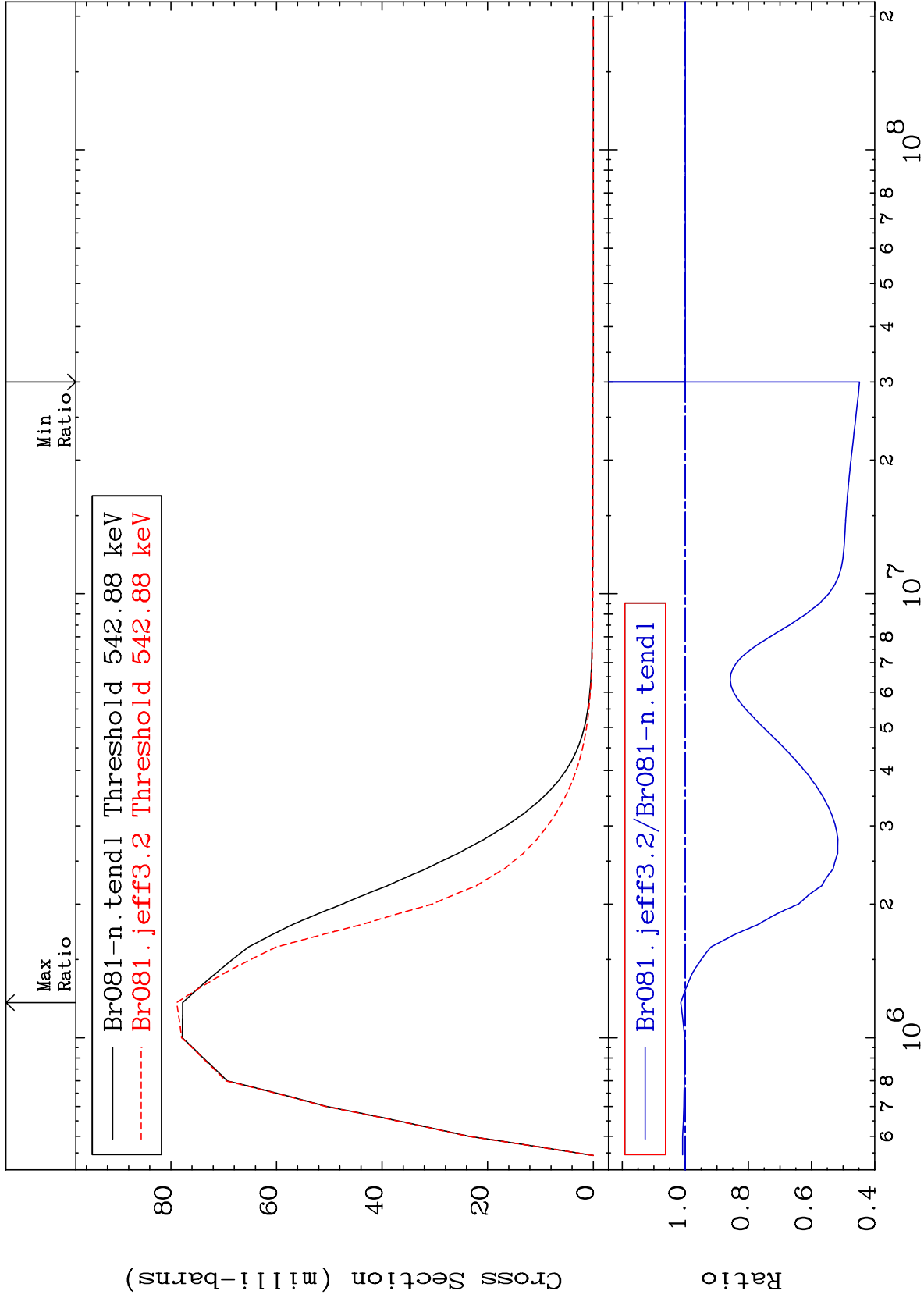
MAT 3531

536.2 keV (n,n') Level

³⁵Br-81

Cross Section

-55.21 To 1.453 %



20

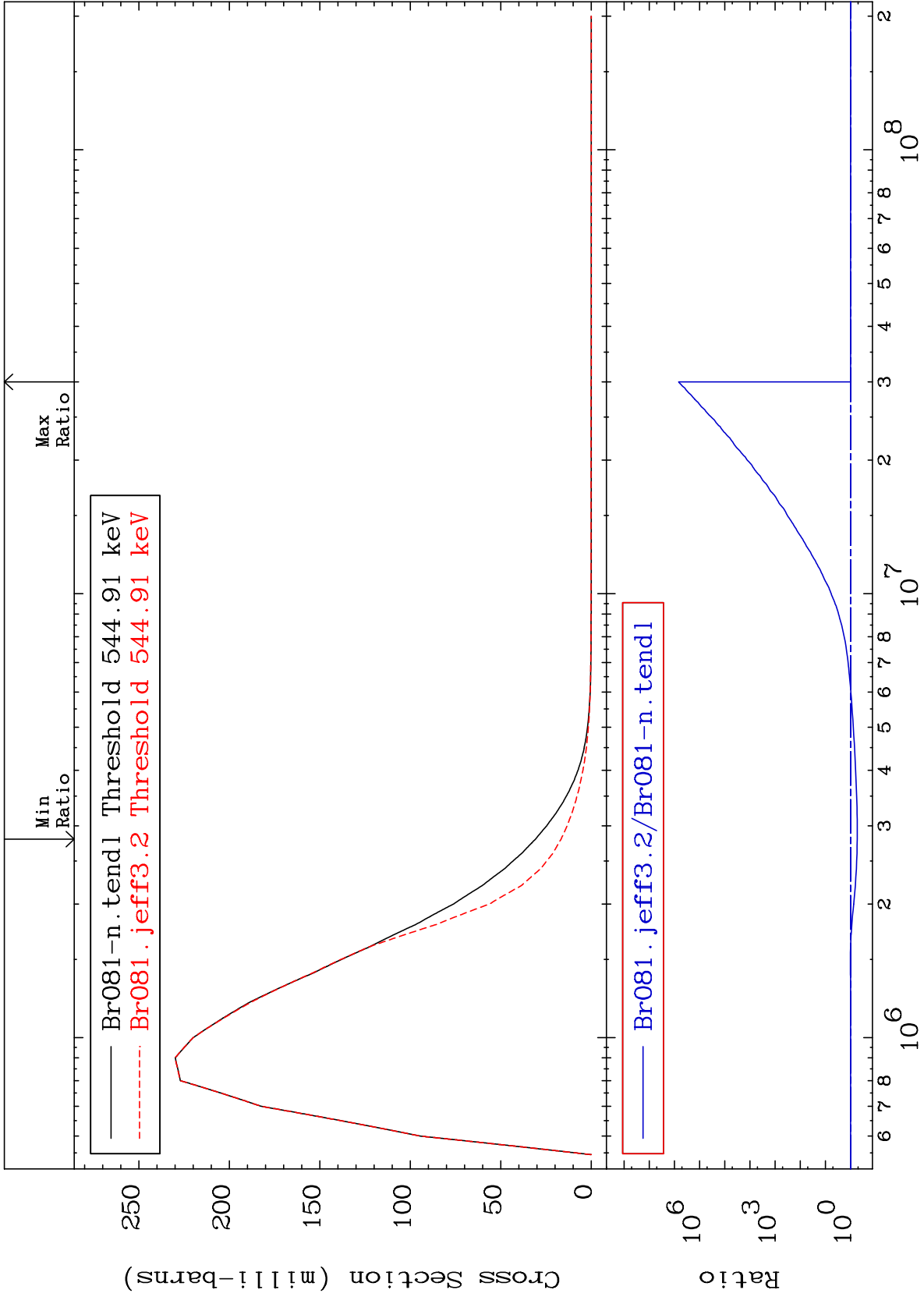
Incident Energy (eV)

³⁵Br-81

MAT 3531

538.2 keV (n,n') Level
Cross Section

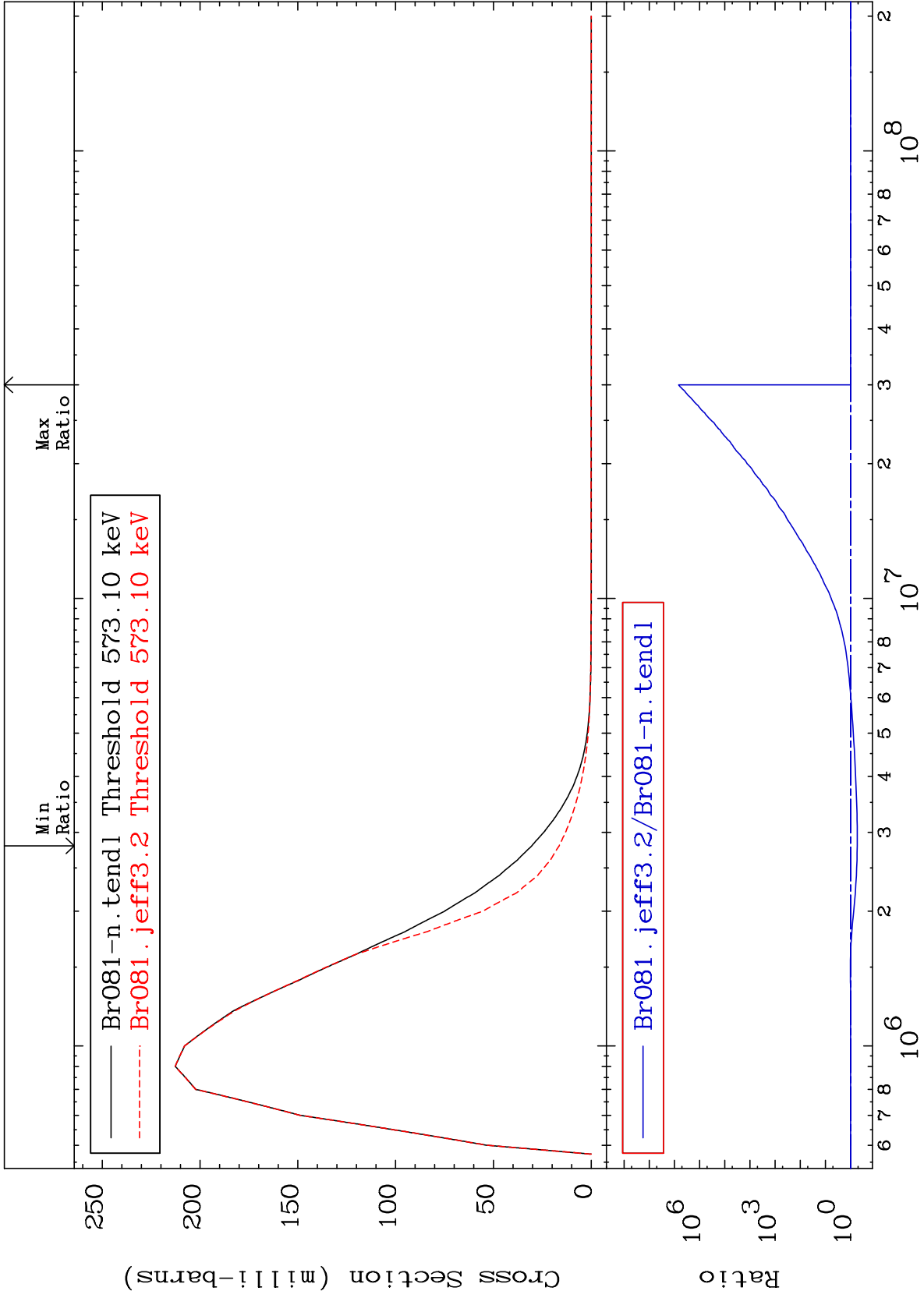
35-Br-81
-46.04 To 9999. %



MAT 3531

566.0 keV (n,n') Level
Cross Section

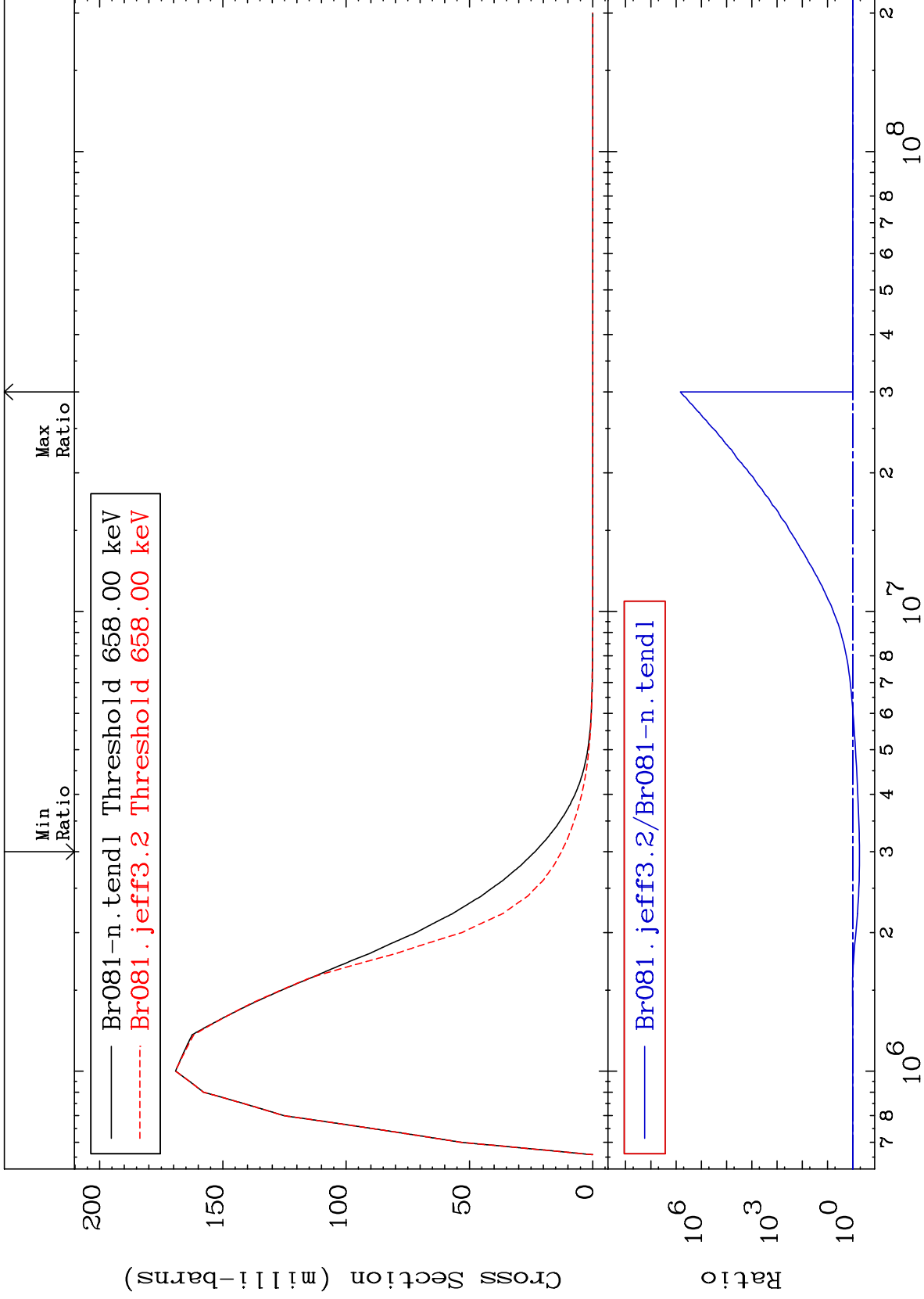
35-Br-81
-46.03 To 9999. %



MAT 3531

649.9 keV (n,n') Level
Cross Section

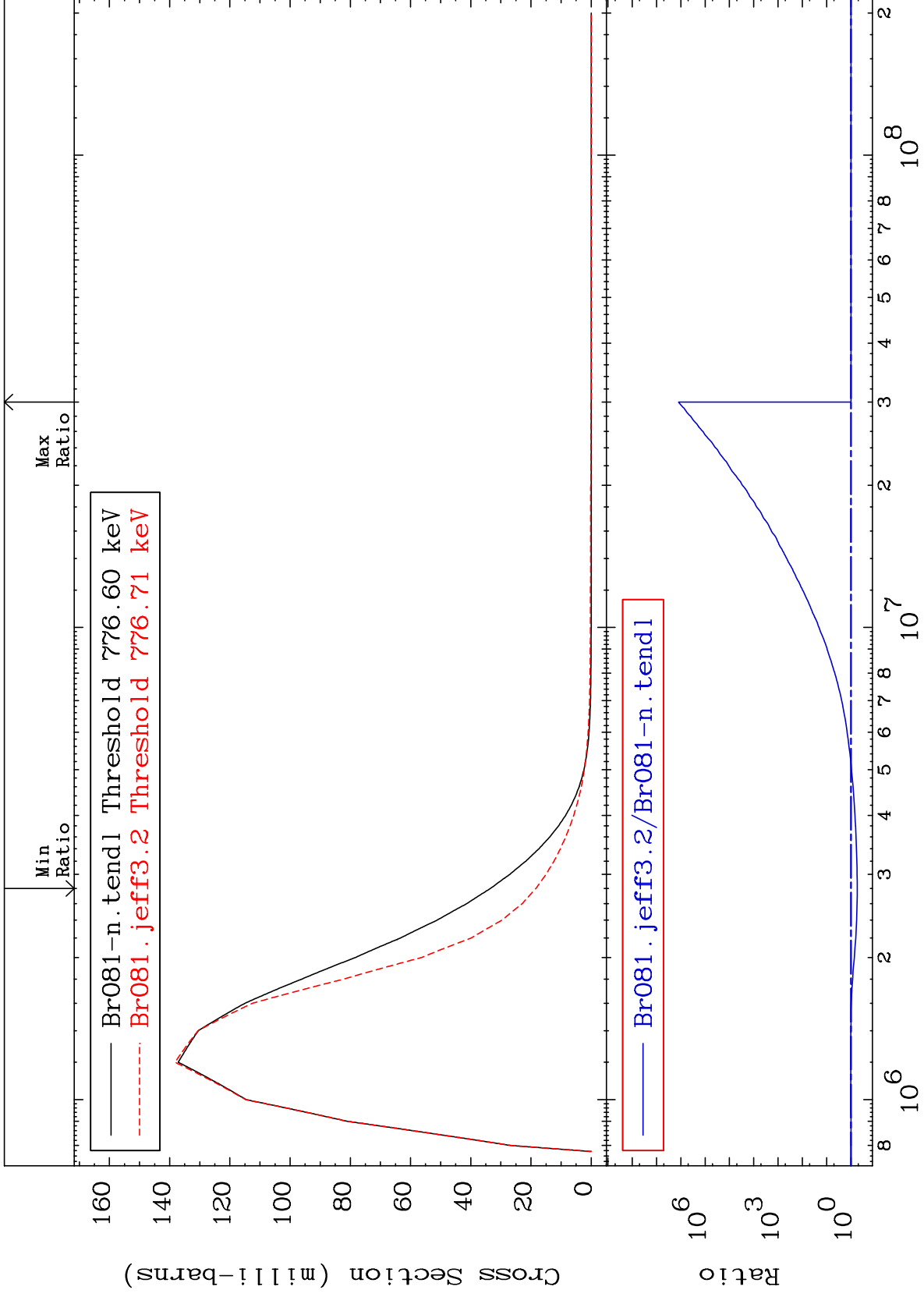
35-Br-81
-46.01 To 9999. %



MAT 3531

767.0 keV (n,n') Level
Cross Section

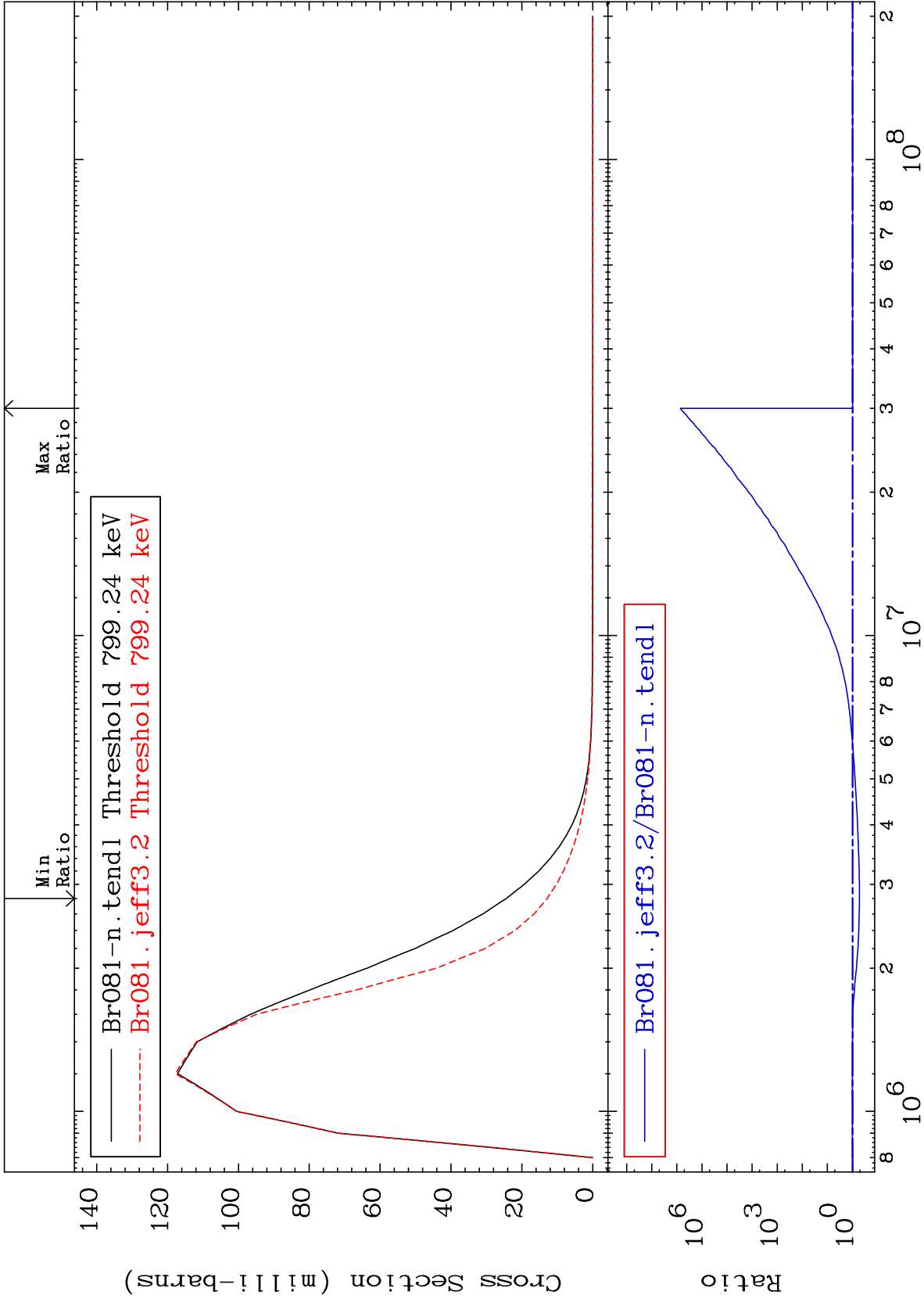
35-Br-81
-45.15 To 9999. %



MAT 3531

789.4 keV (n,n') Level
Cross Section

35-Br-81
-47.32 To 9999. %



25

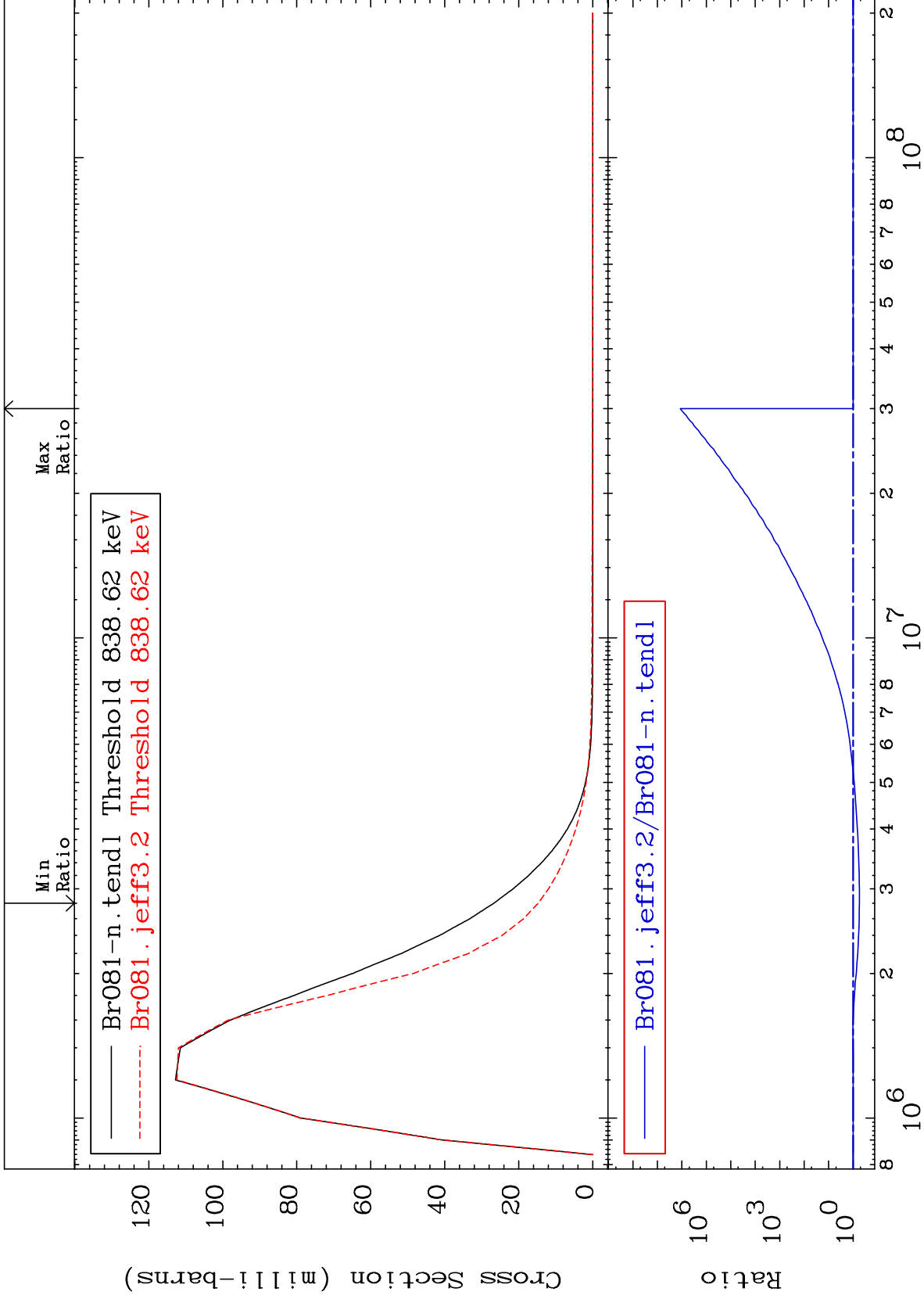
Incident Energy (eV)

35-Br-81

MAT 3531

828.3 keV (n,n') Level
Cross Section

35-Br-81
-44.83 To 9999. %



26

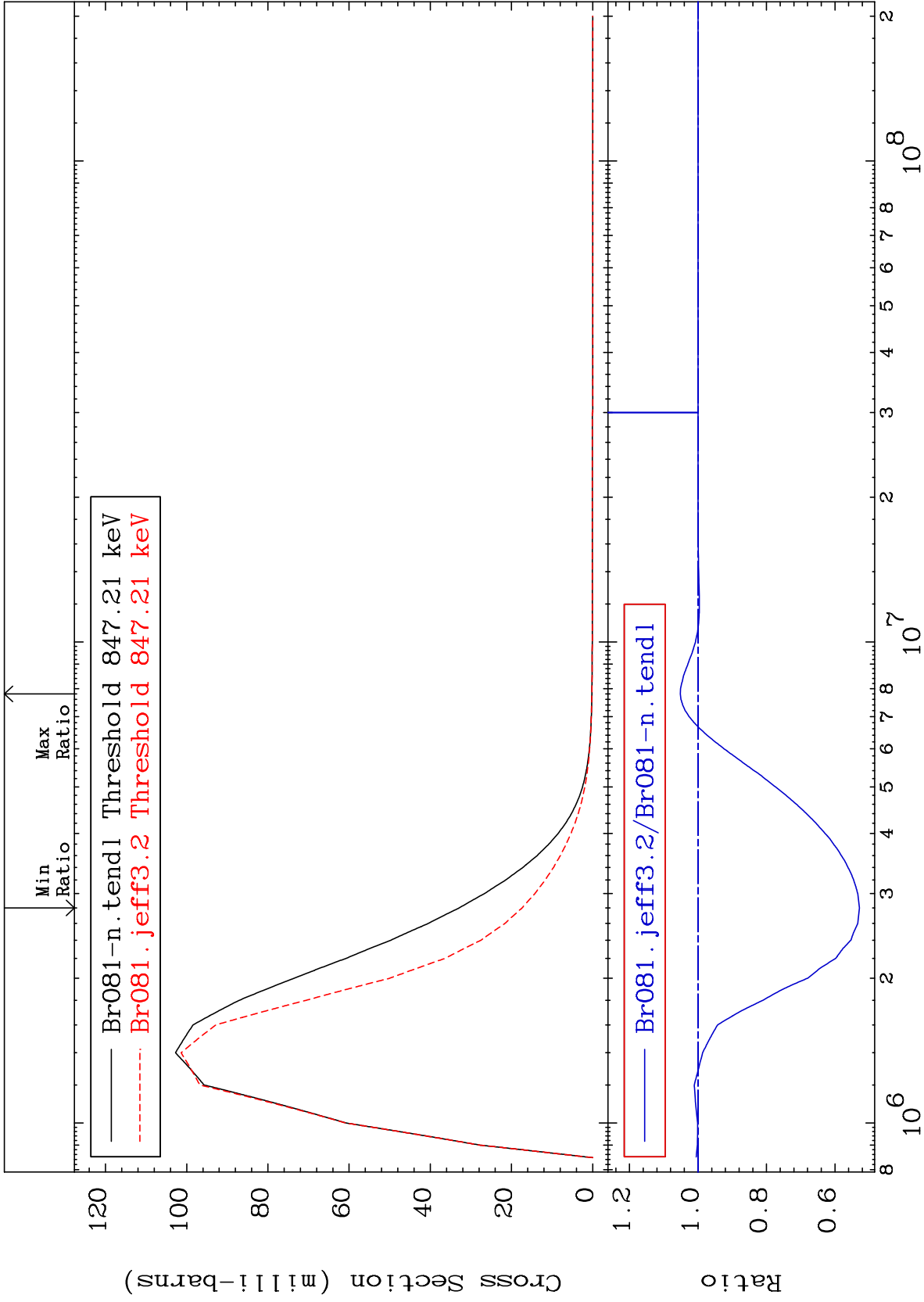
Incident Energy (eV)

35-Br-81

MAT 3531

836.8 keV (n,n') Level
Cross Section

³⁵Br-81
-47.14 To 5.155 %



27

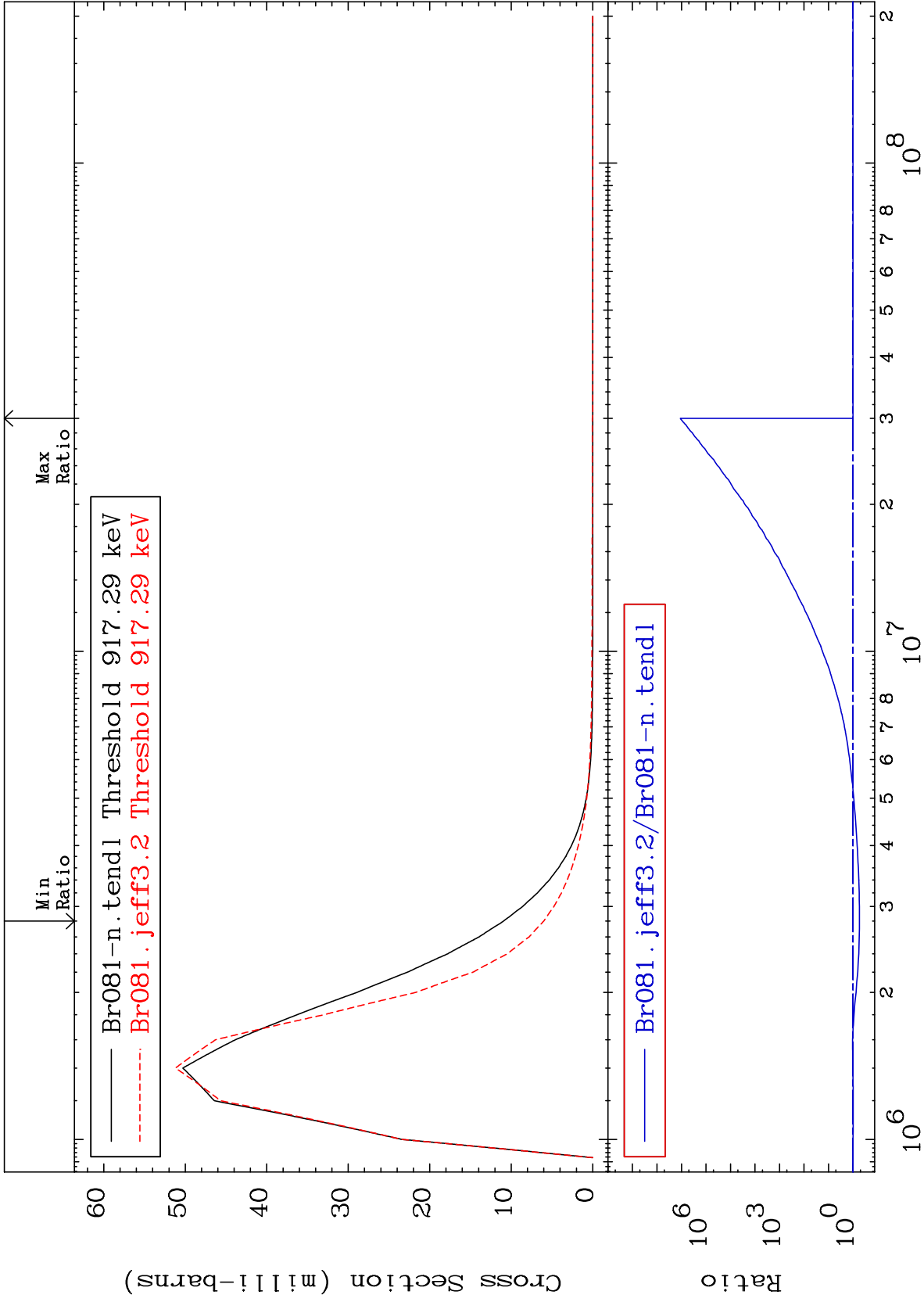
Incident Energy (eV)

³⁵Br-81

MAT 3531

906.0 keV (n,n') Level
Cross Section

35-Br-81
-45.00 To 9999. %



28

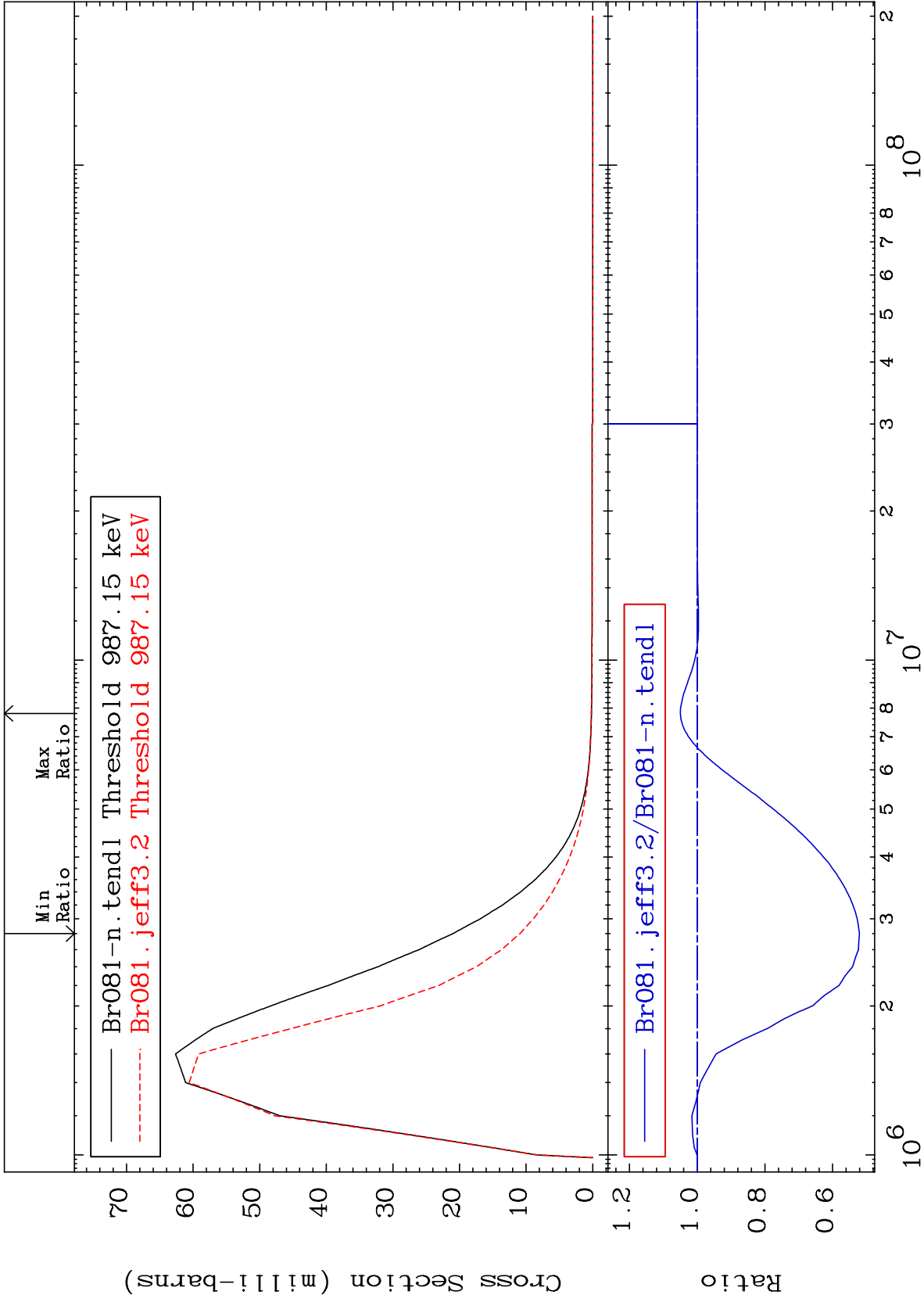
Incident Energy (eV)

35-Br-81

MAT 3531

975.0 keV (n,n') Level
Cross Section

35-Br-81
-47.92 To 4.983 %



29

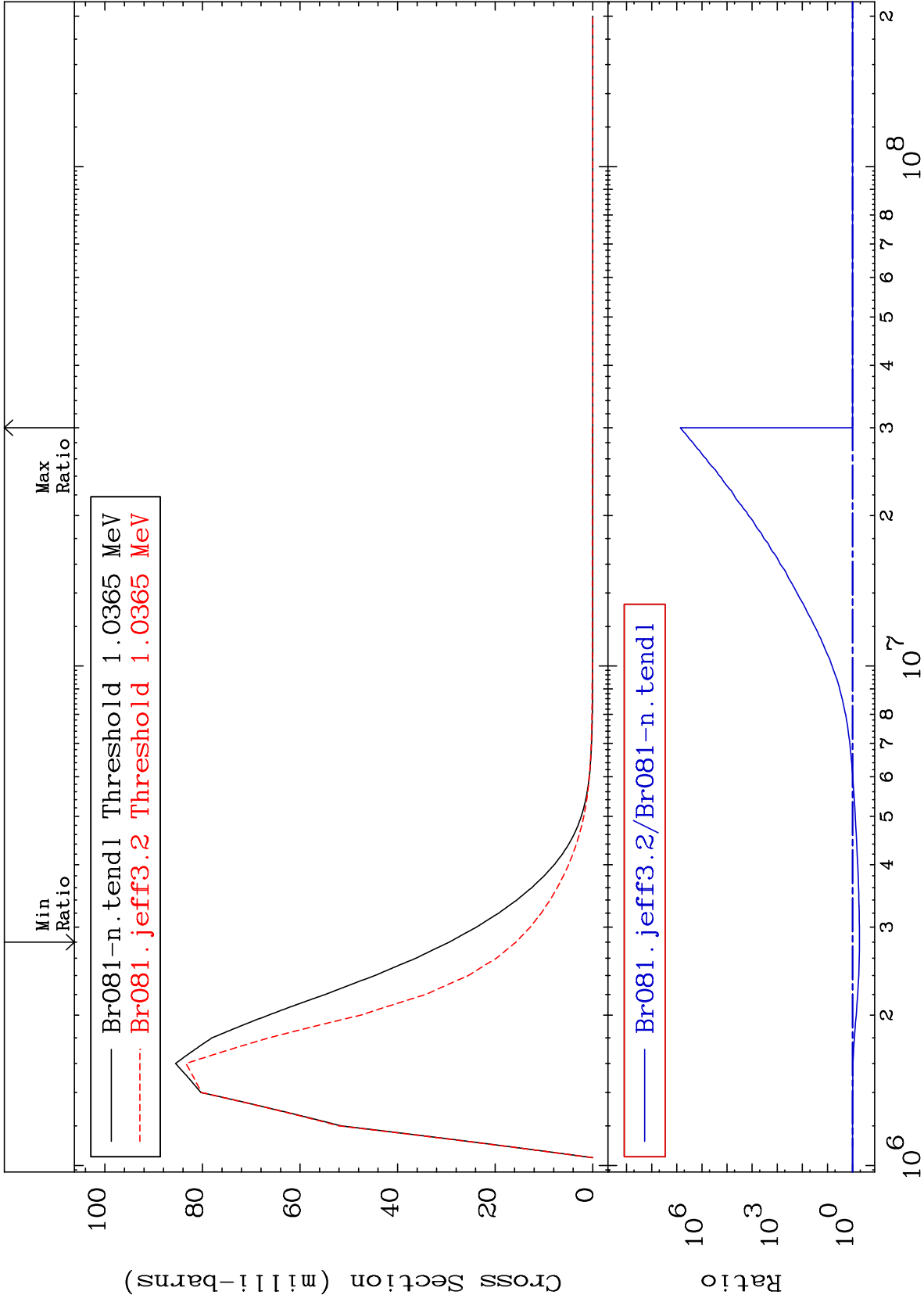
Incident Energy (eV)

35-Br-81

MAT 3531

1.024 MeV (n,n') Level
Cross Section

35-Br-81
-46.48 To 9999. %



30

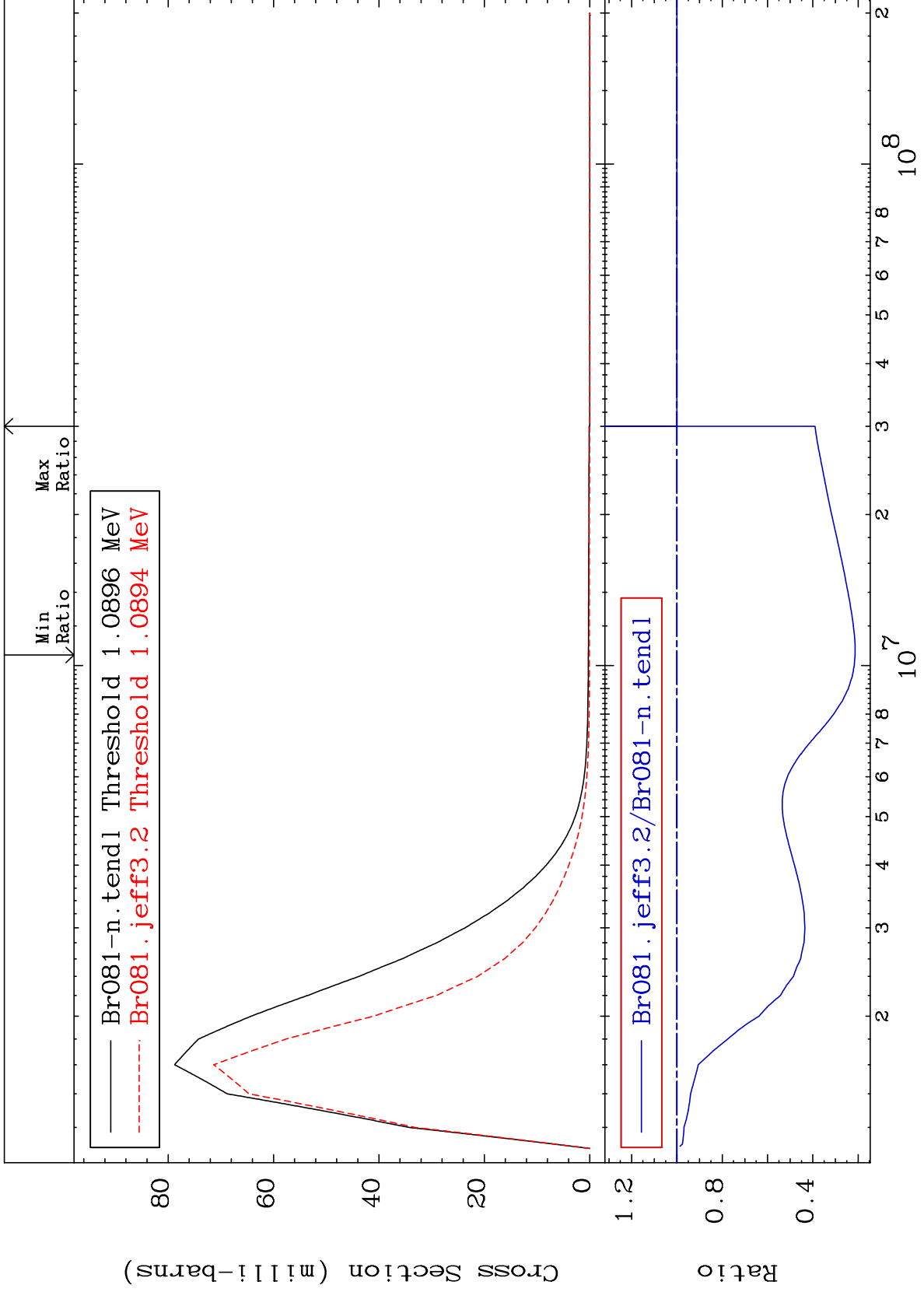
Incident Energy (eV)

35-Br-81

MAT 3531

1.076 MeV (n,n') Level
Cross Section

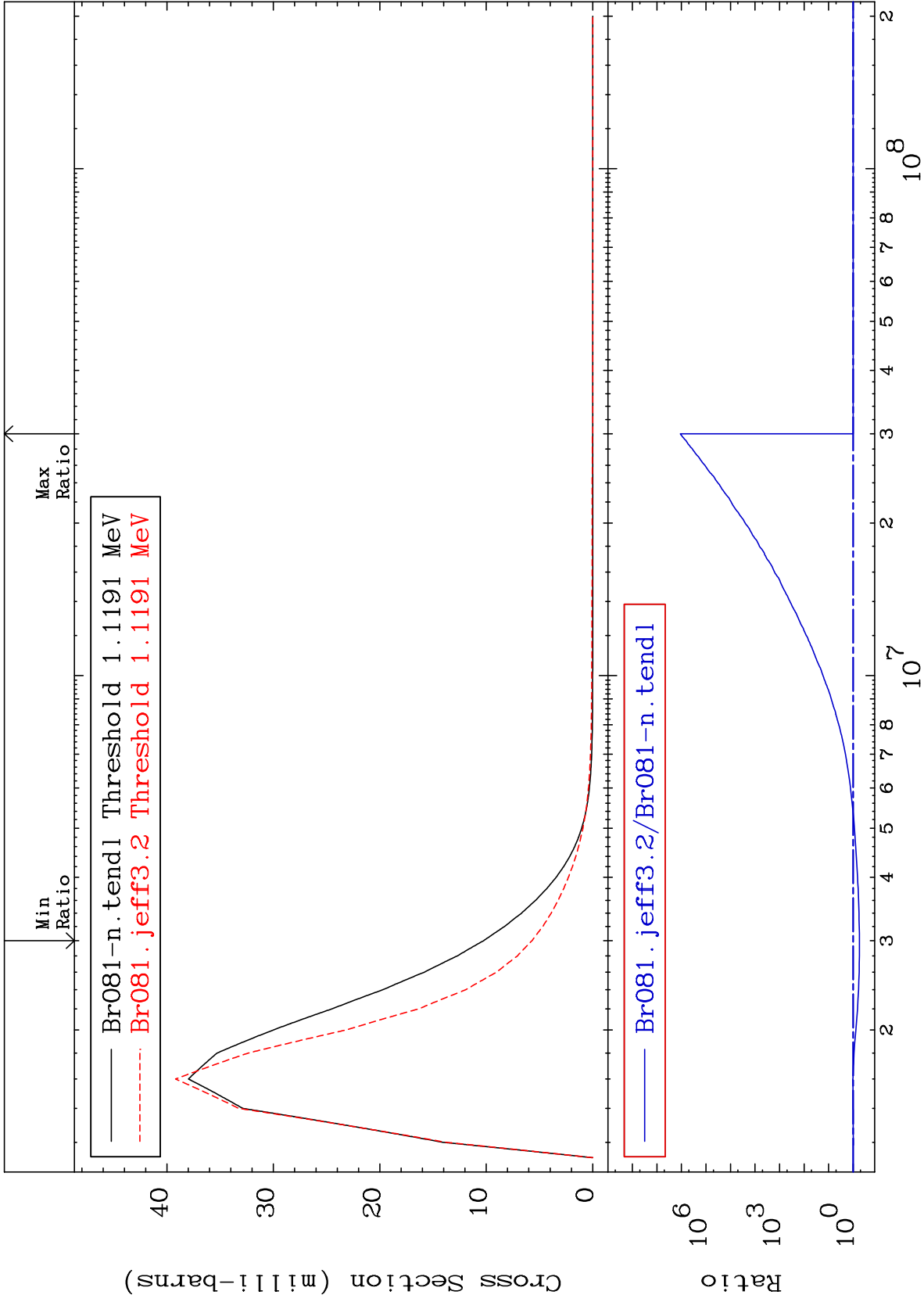
35-Br-81
-78.66 To 0.000 %



MAT 3531

1.105 MeV (n,n') Level
Cross Section

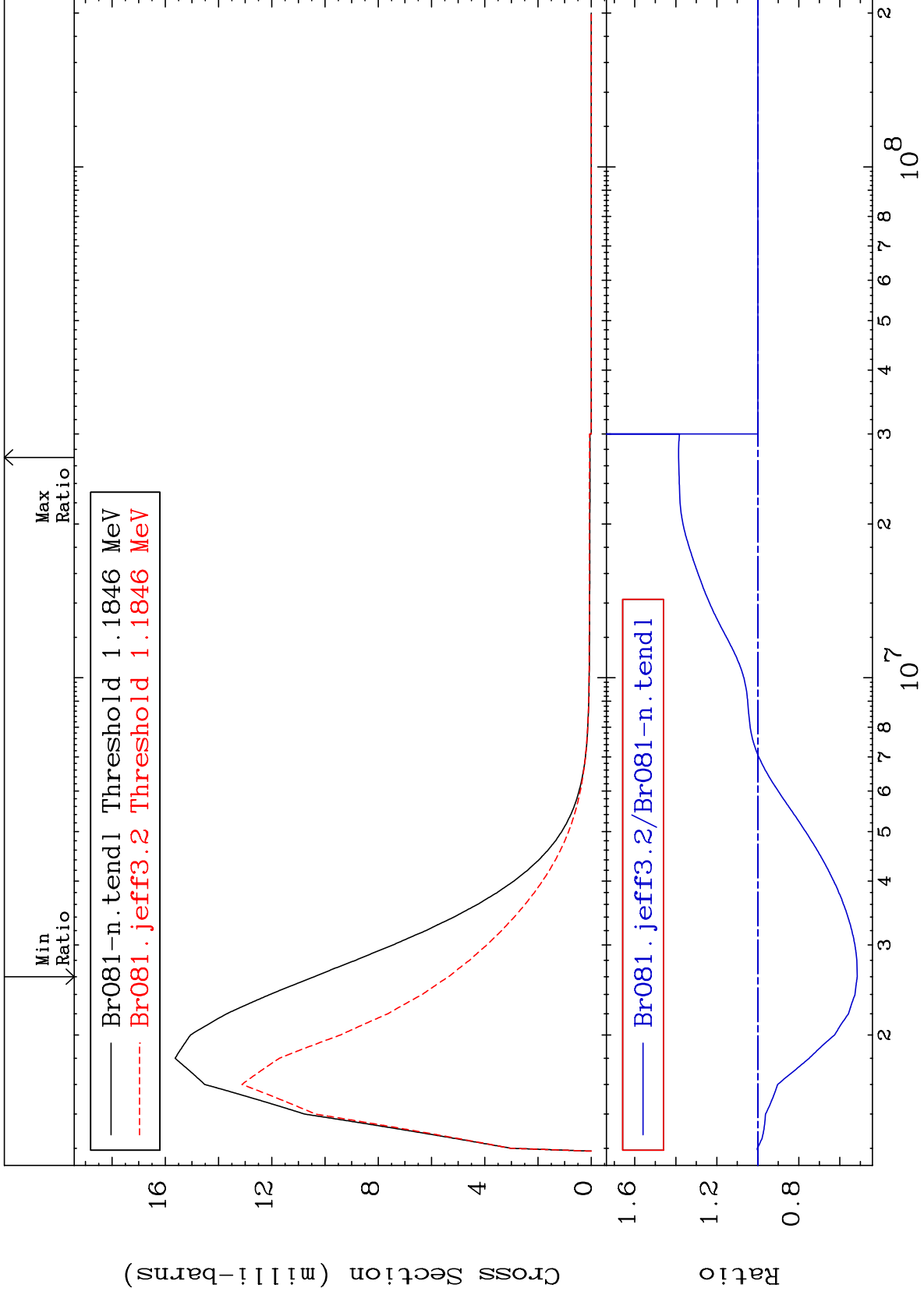
35-Br-81
-44.36 To 9999. %



MAT 3531

1.170 MeV (n,n') Level
Cross Section

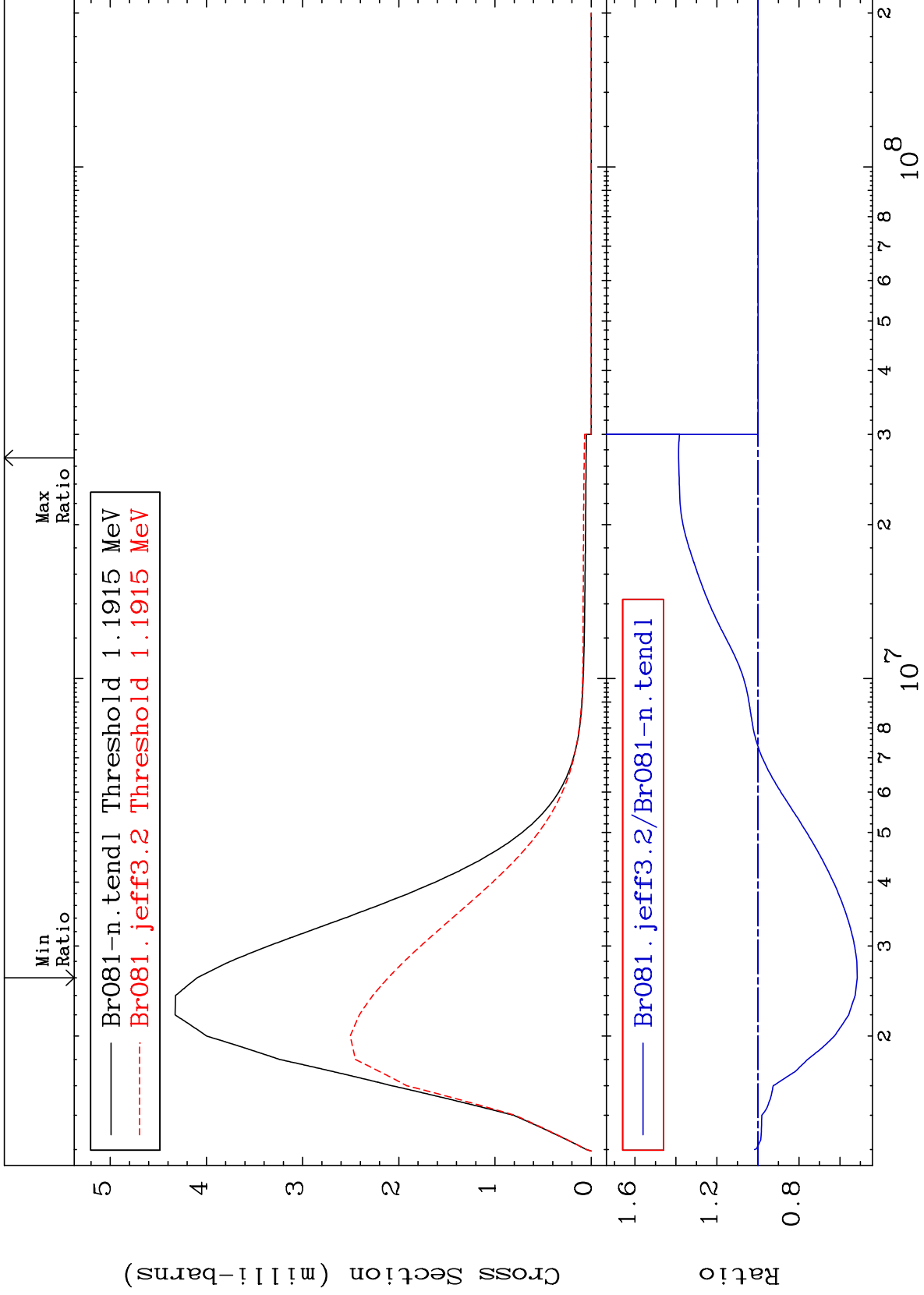
35-Br-81
-48.50 To 38.61 %



MAT 3531

1.177 MeV (n,n') Level
Cross Section

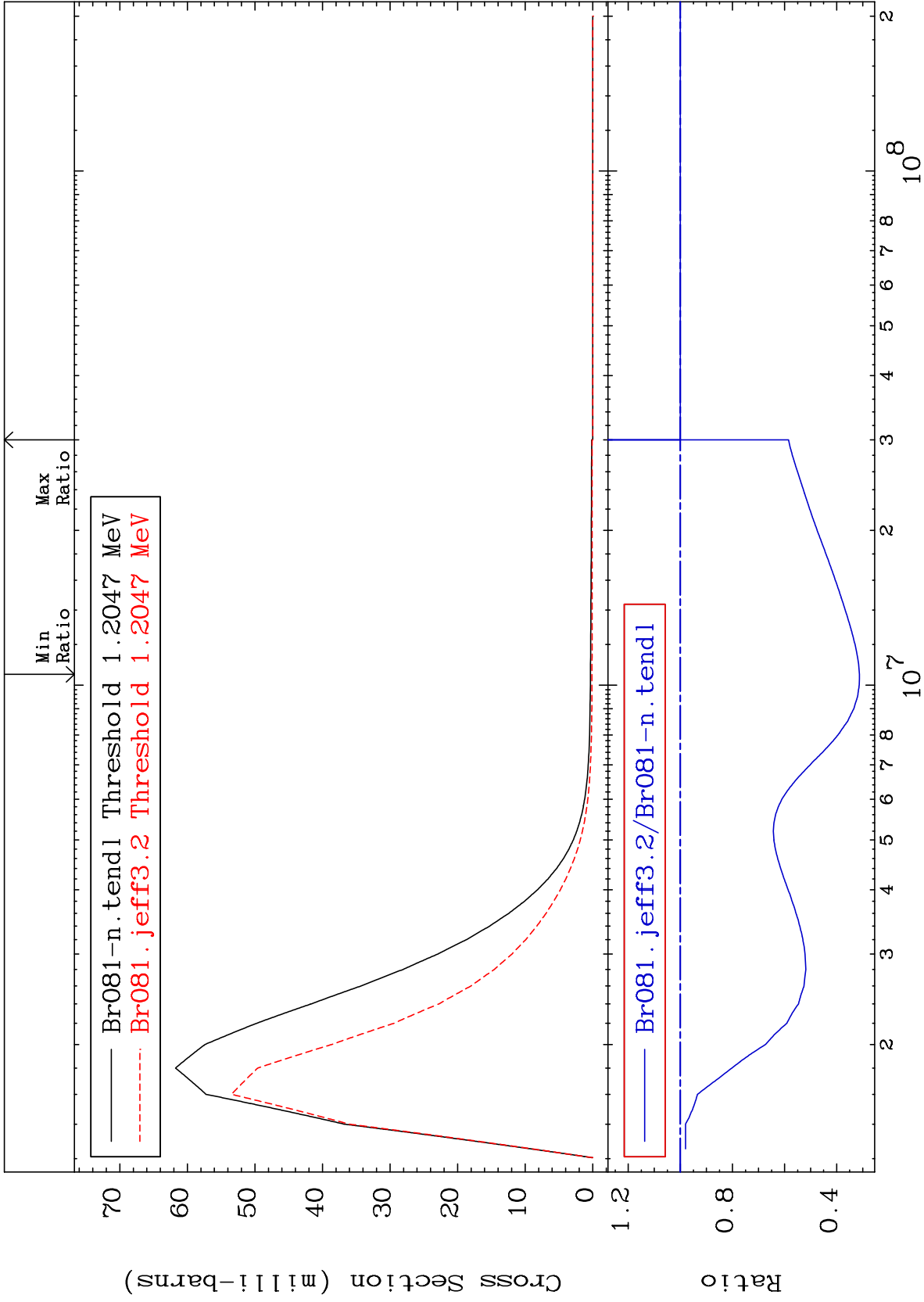
35-Br-81
-48.46 To 38.70 %



MAT 3531

1.190 MeV (n,n') Level
Cross Section

35-Br-81
-68.73 To 0.000 %



35

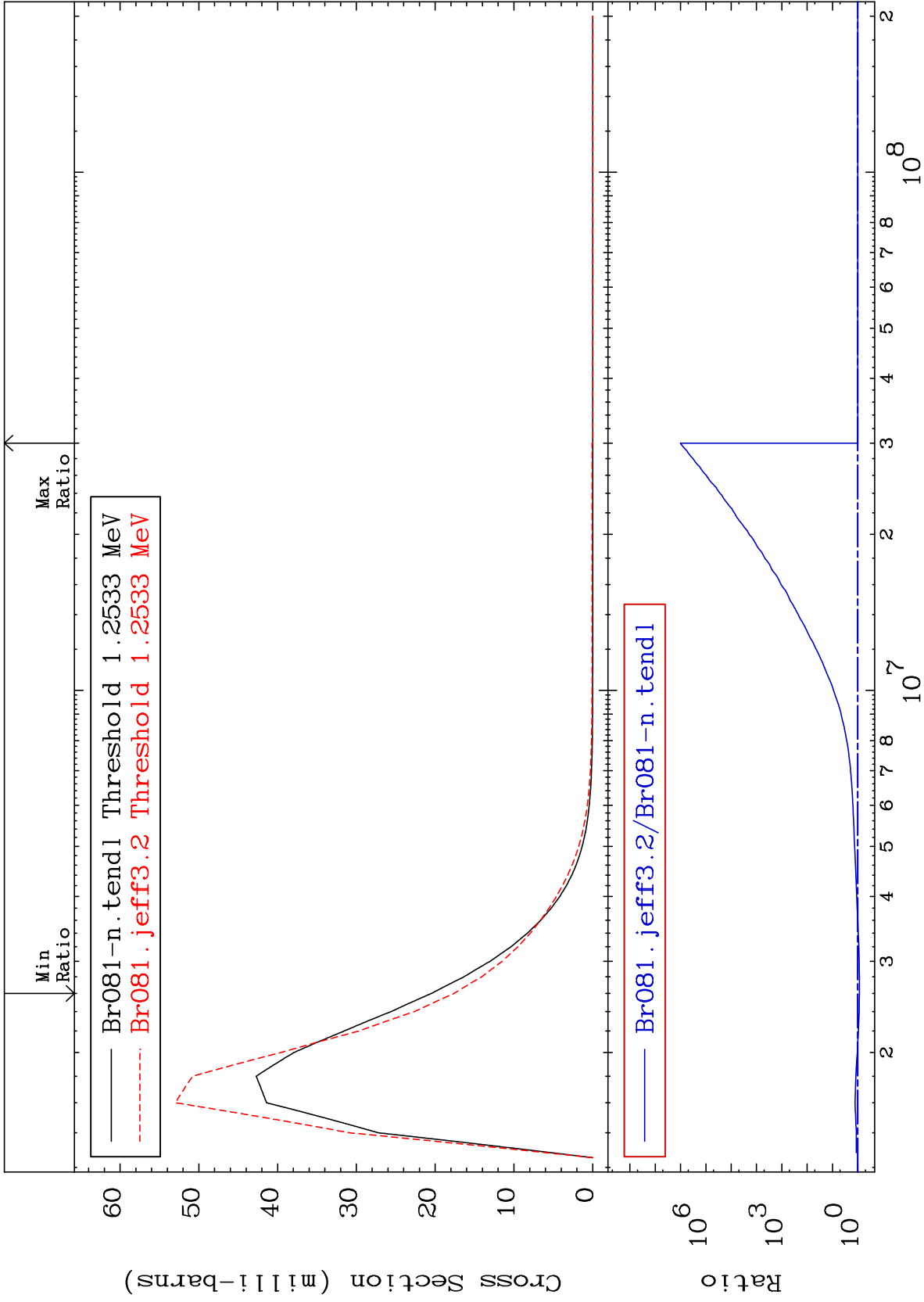
Incident Energy (eV)

35-Br-81

MAT 3531

1.238 MeV (n,n') Level
Cross Section

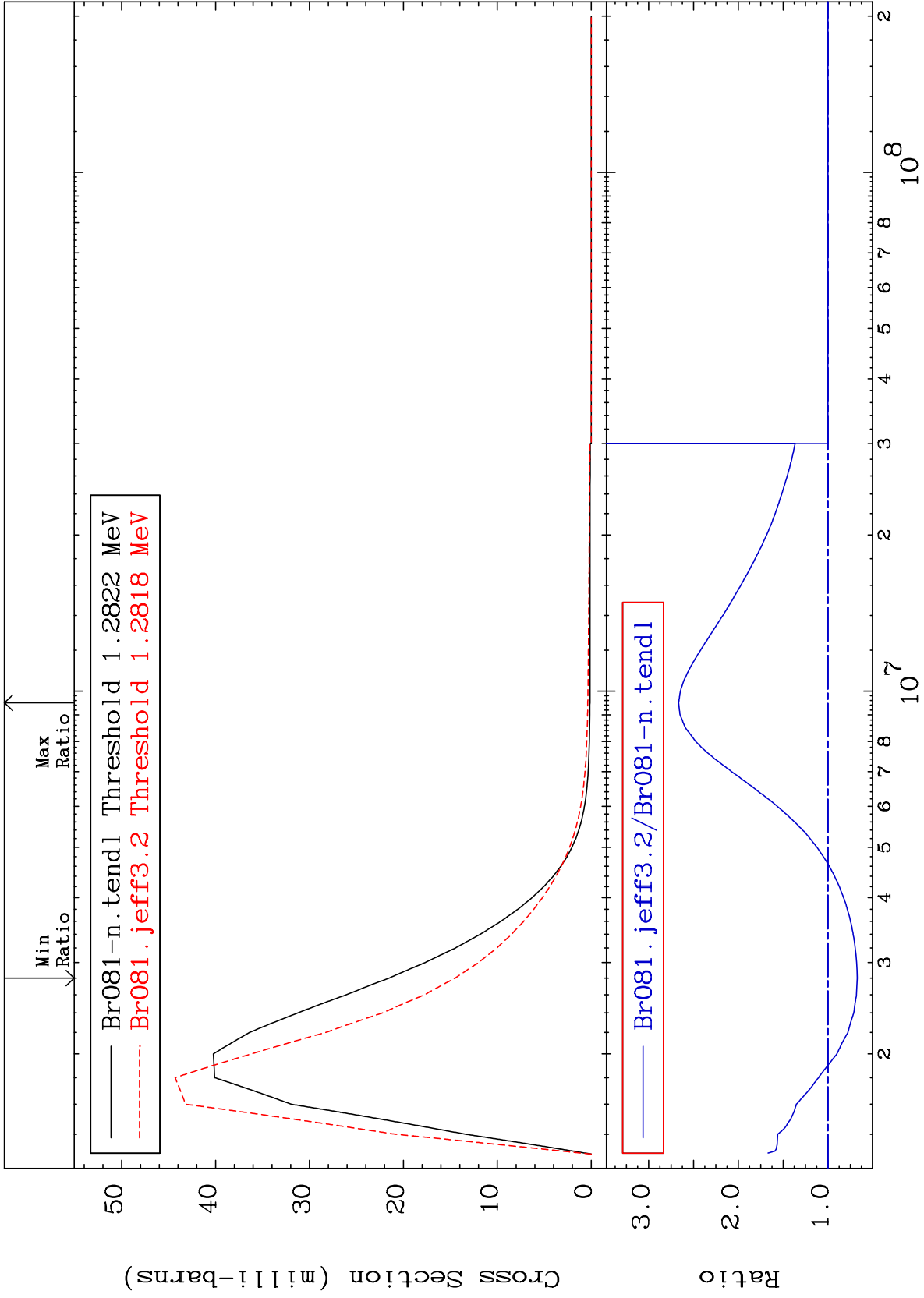
35-Br-81
-13.98 To 9999. %



MAT 3531

1.266 MeV (n,n') Level
Cross Section

³⁵Br-81
-32.76 To 166.6 %



37

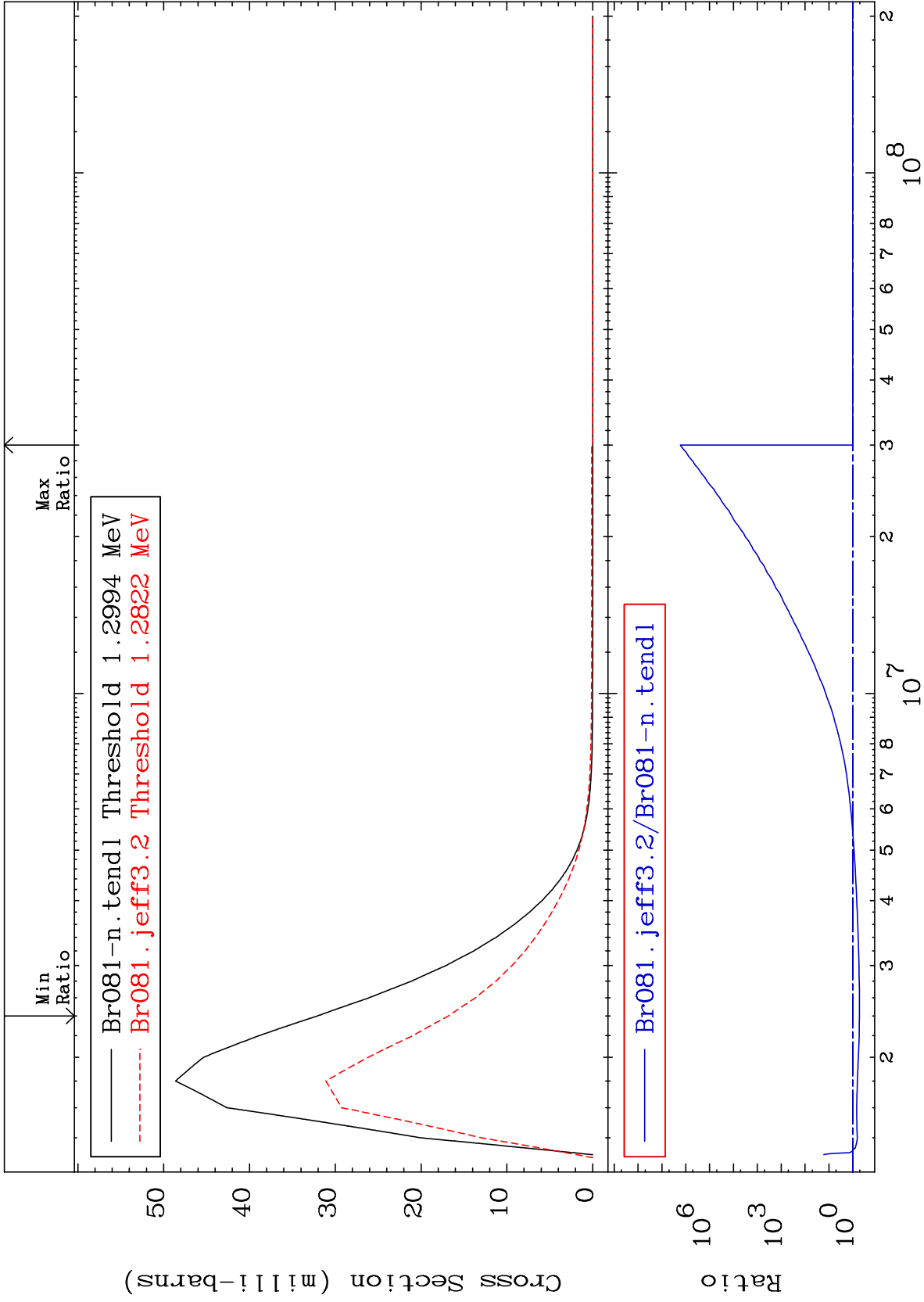
Incident Energy (eV)

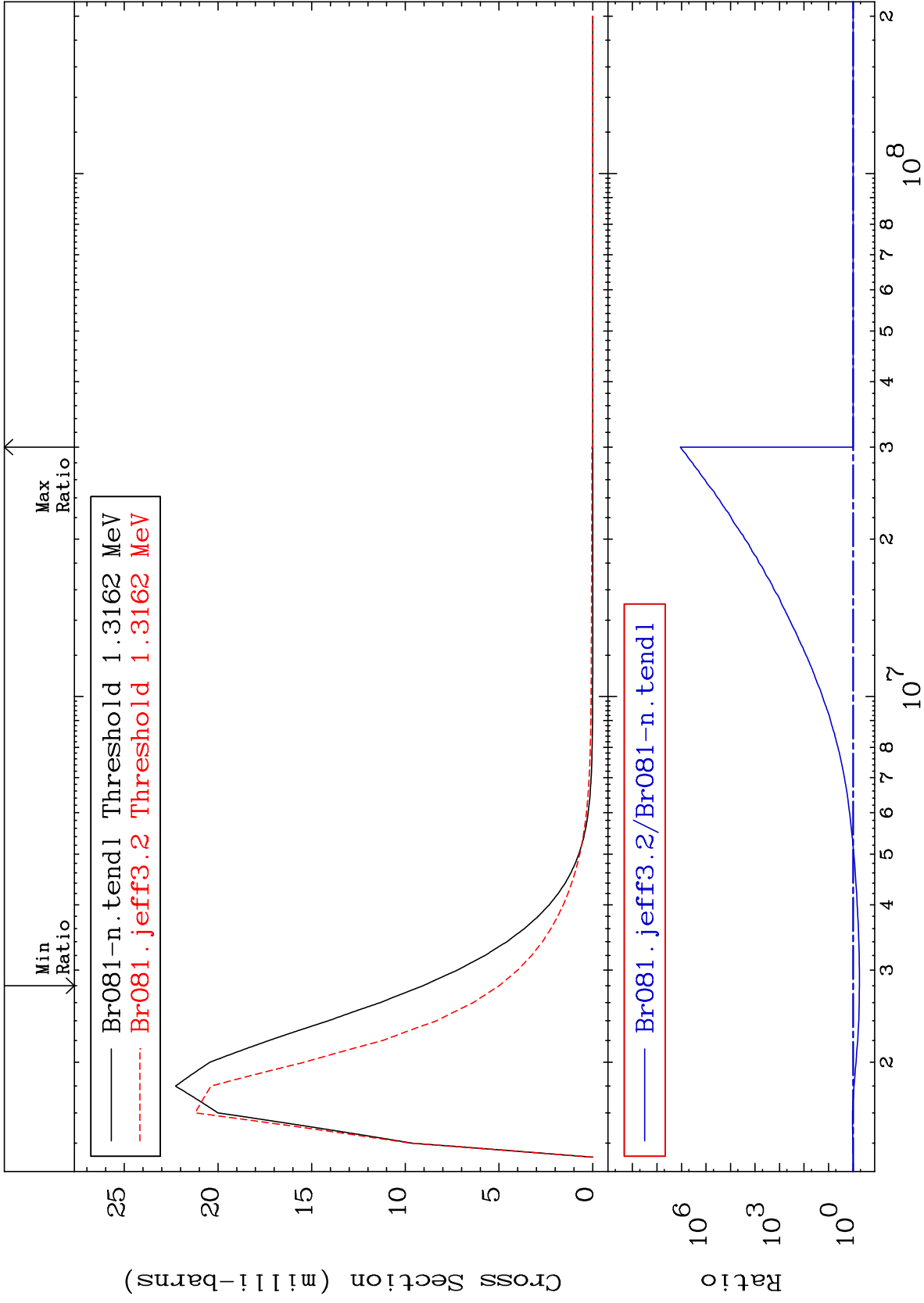
³⁵Br-81

MAT 3531

1.283 MeV (n,n') Level
Cross Section

35-Br-81
-47.59 To 9999. %

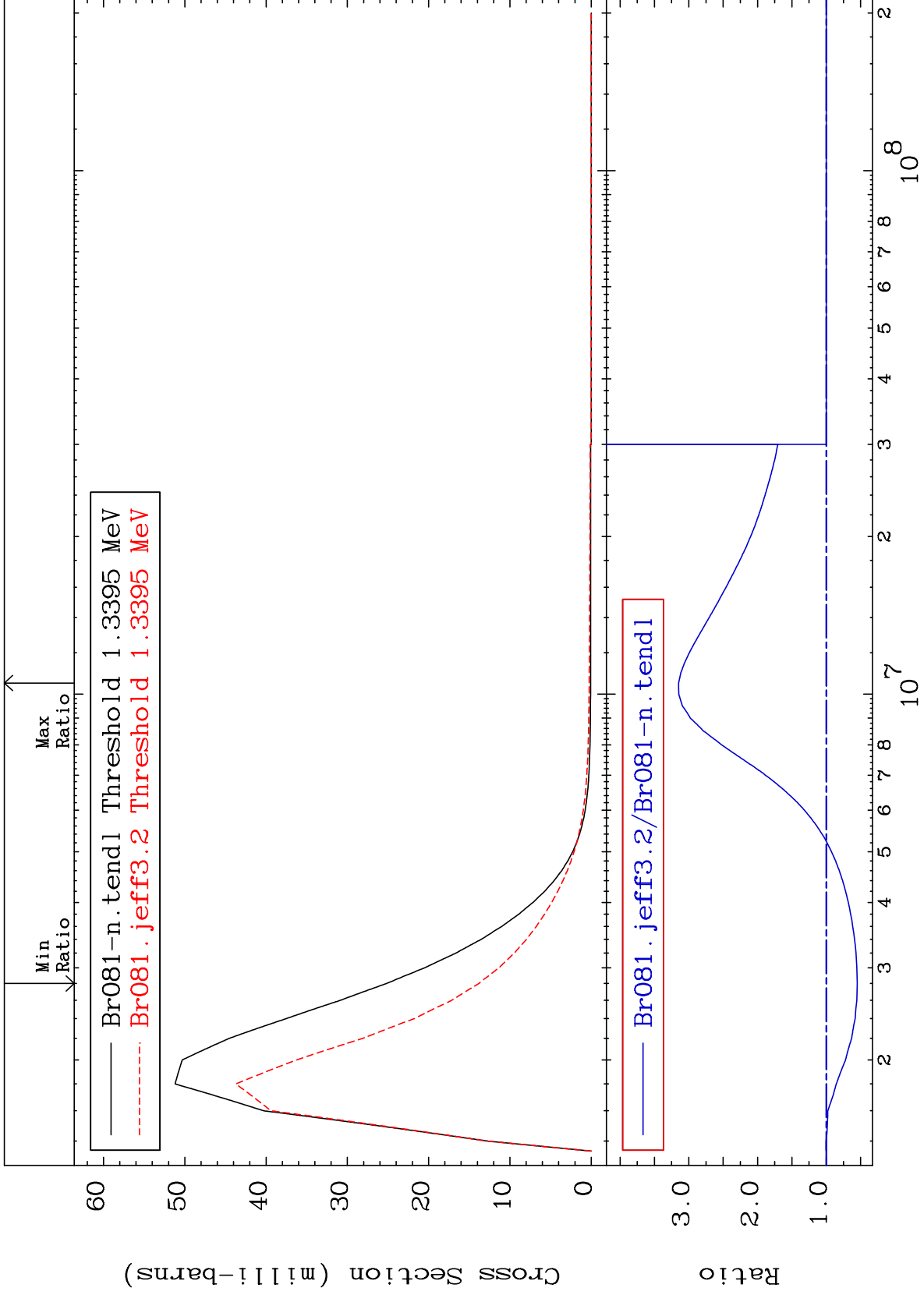




MAT 3531

1.323 MeV (n,n') Level
Cross Section

35-Br-81
-45.10 To 214.8 %



40

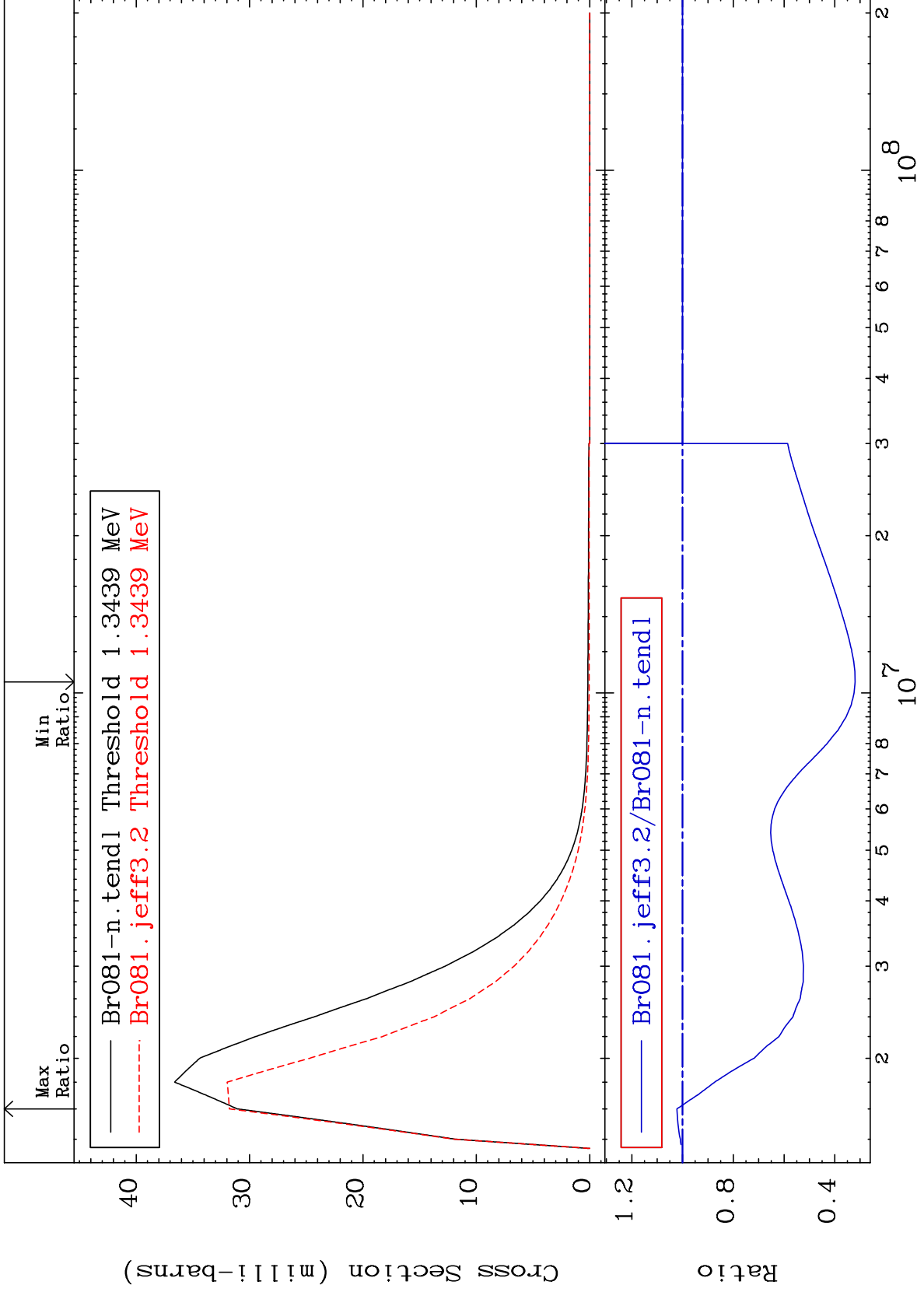
Incident Energy (eV)

35-Br-81

MAT 3531

1.327 MeV (n,n') Level
Cross Section

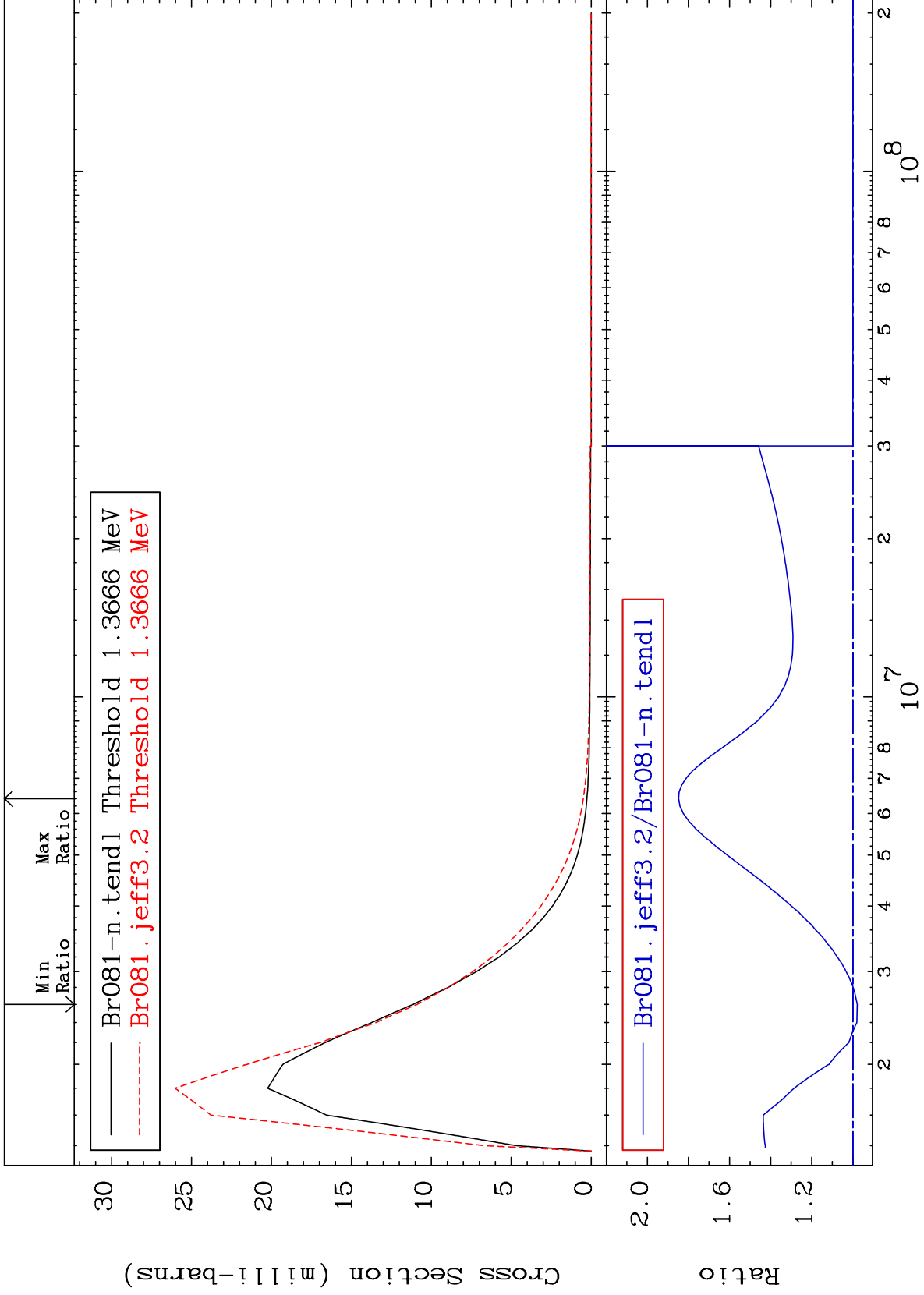
35-Br-81
-68.00 To 2.215 %



MAT 3531

1.350 MeV (n,n') Level
Cross Section

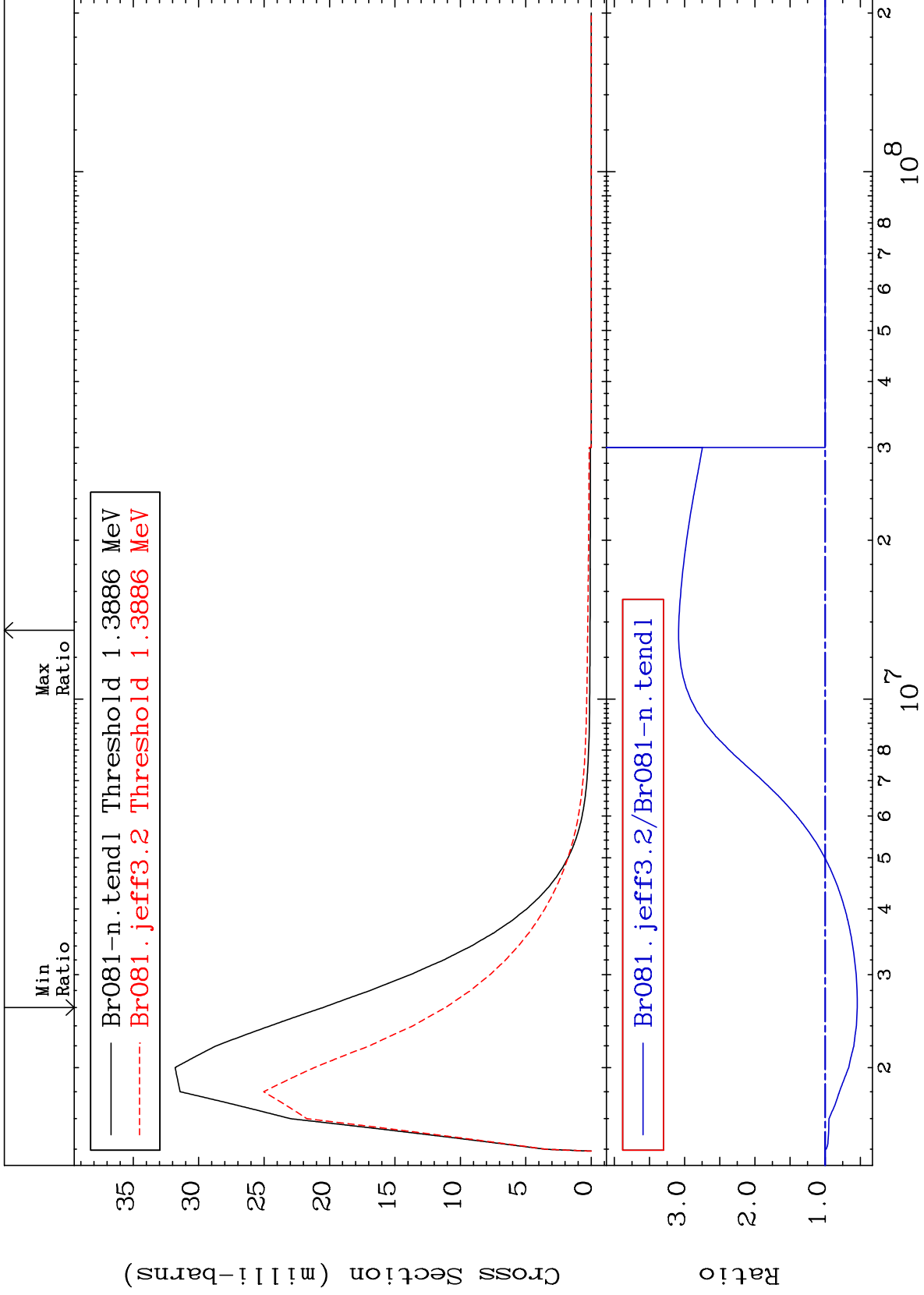
35-Br-81
-2.166 To 84.78 %

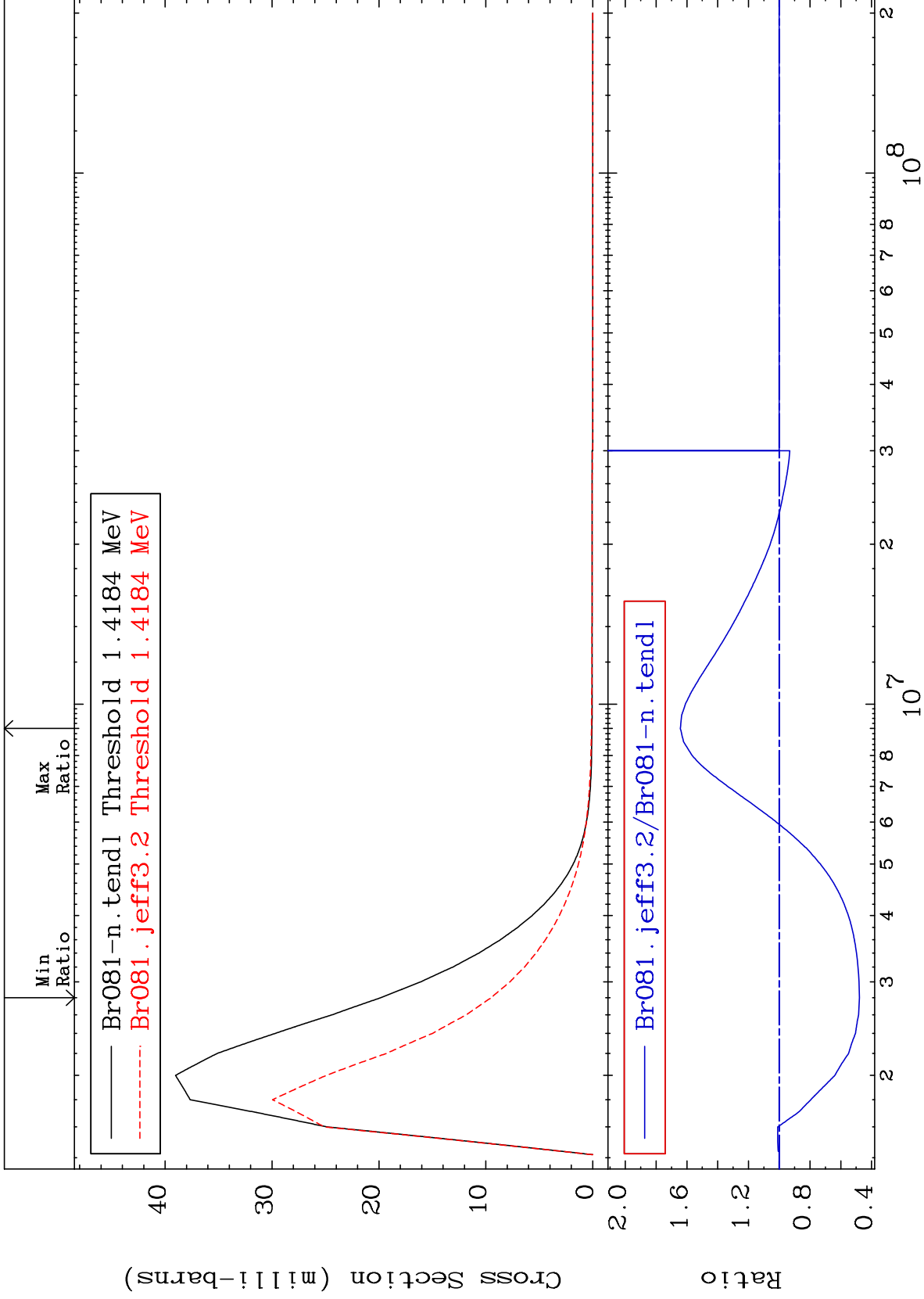


MAT 3531

1.372 MeV (n,n') Level
Cross Section

35-Br-81
-45.70 To 208.5 %

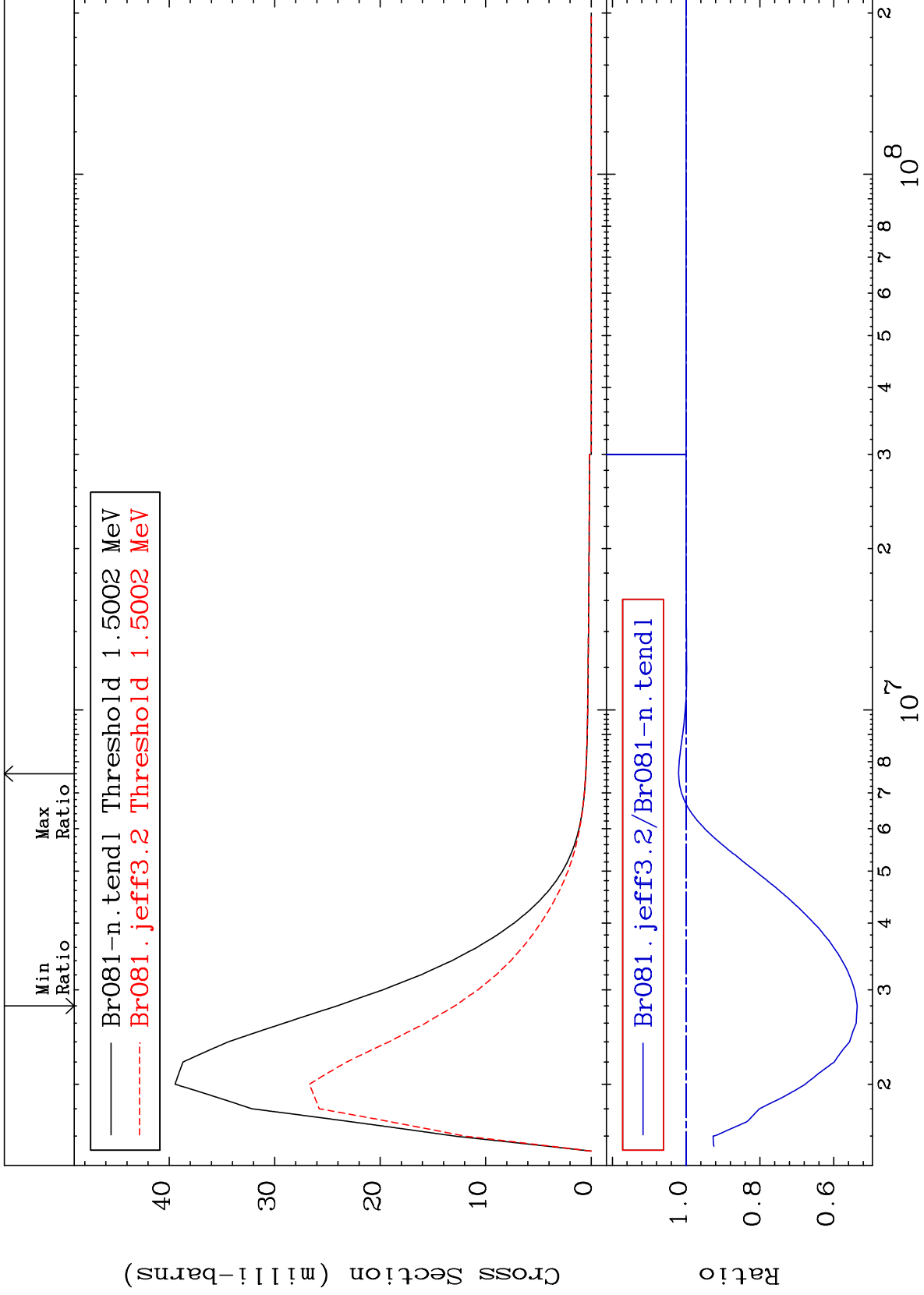




MAT 3531

1.482 MeV (n,n') Level
Cross Section

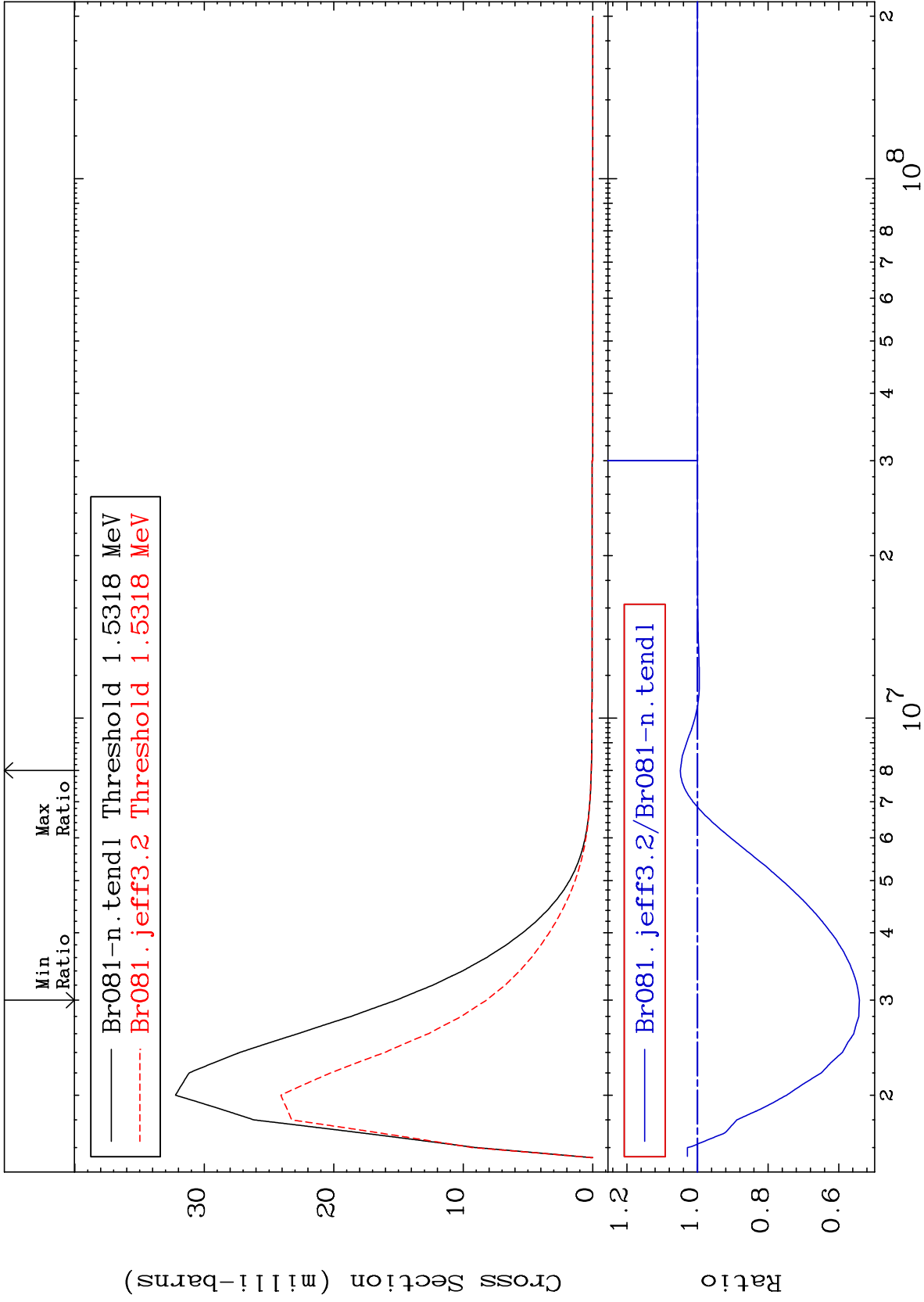
35-Br-81
-46.37 To 2.036 %



45

Incident Energy (eV)

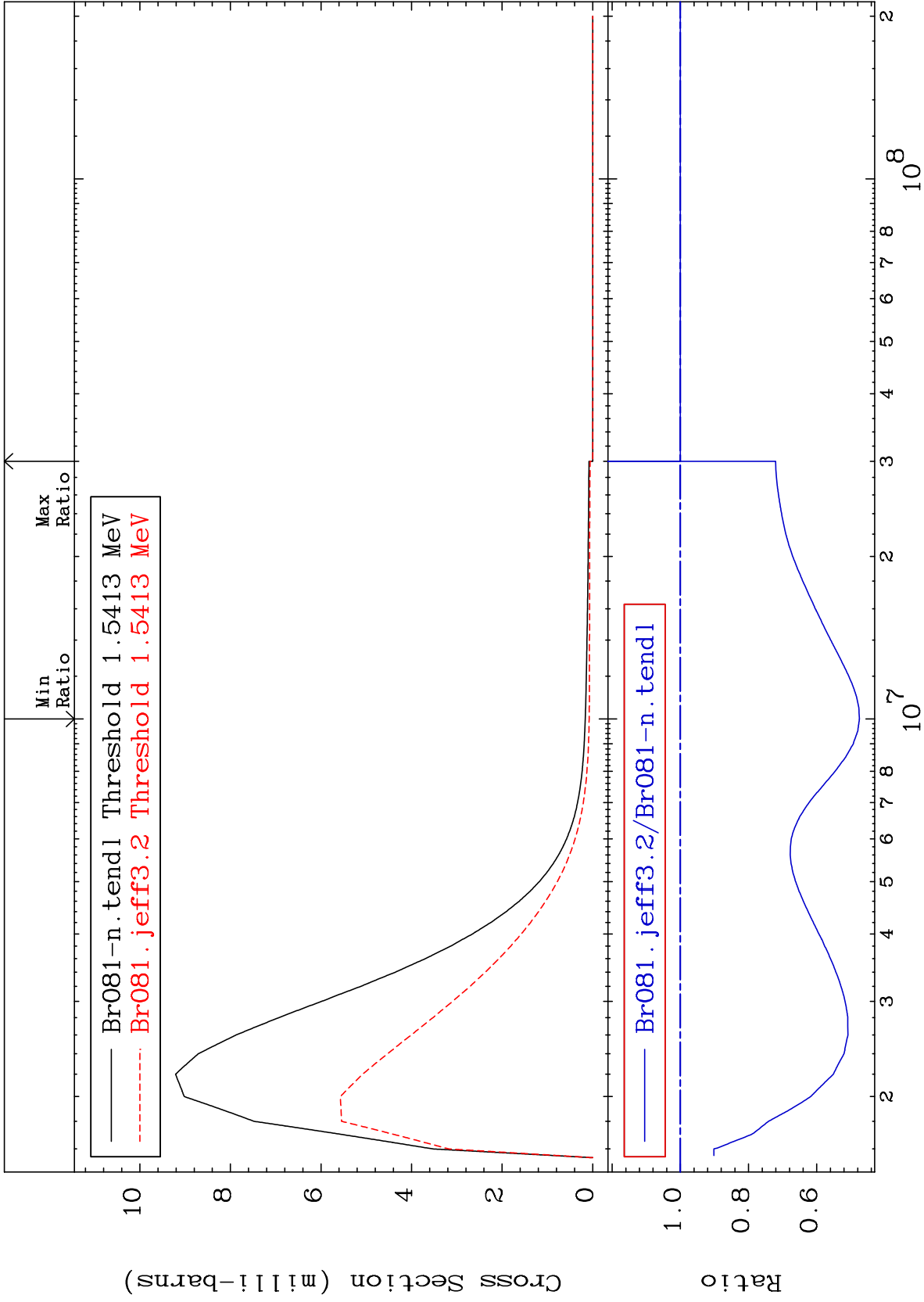
35-Br-81



MAT 3531

1.522 MeV (n,n') Level
Cross Section

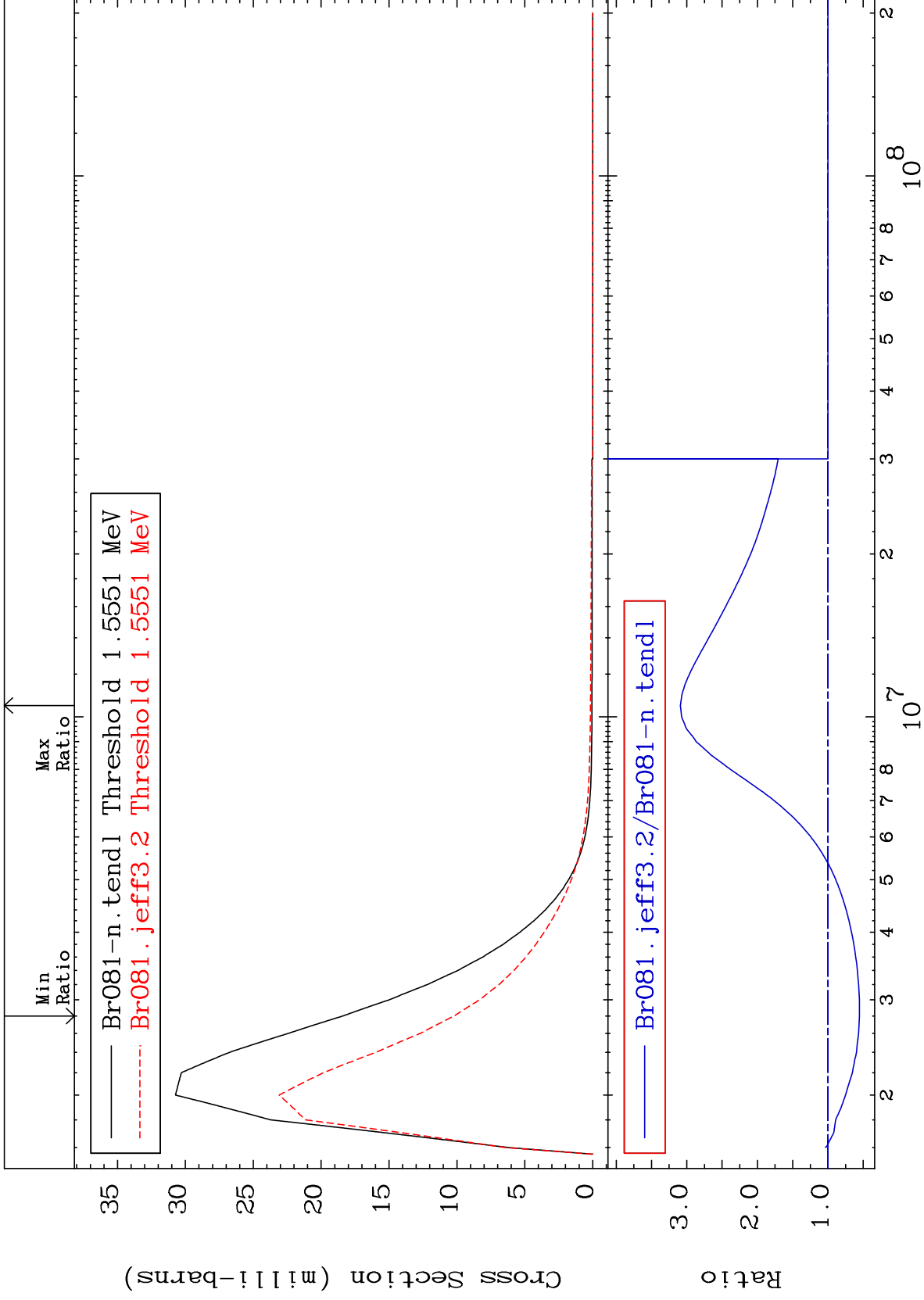
35-Br-81
-52.52 To 0.000 %

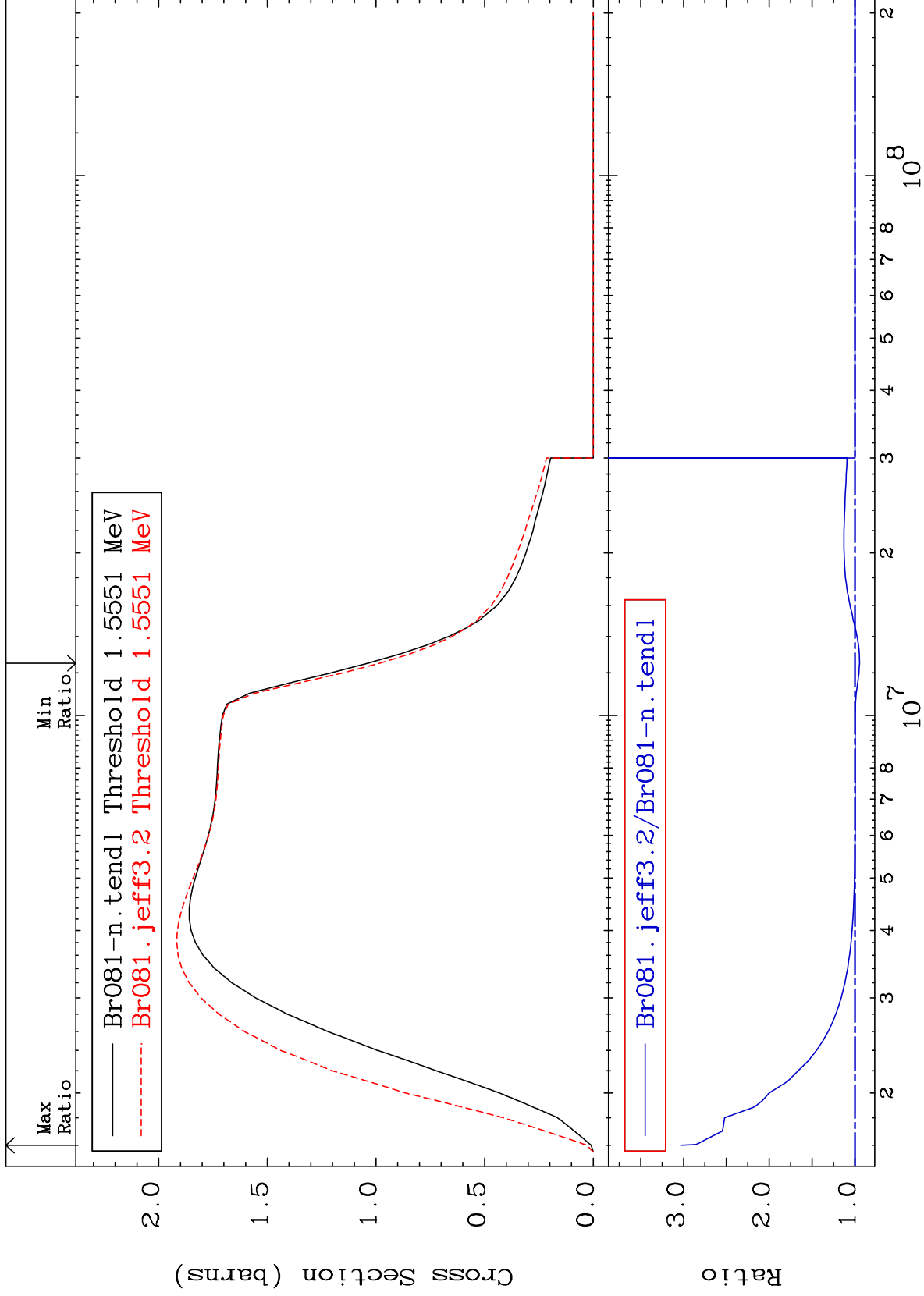


MAT 3531

1.536 MeV (n,n') Level
Cross Section

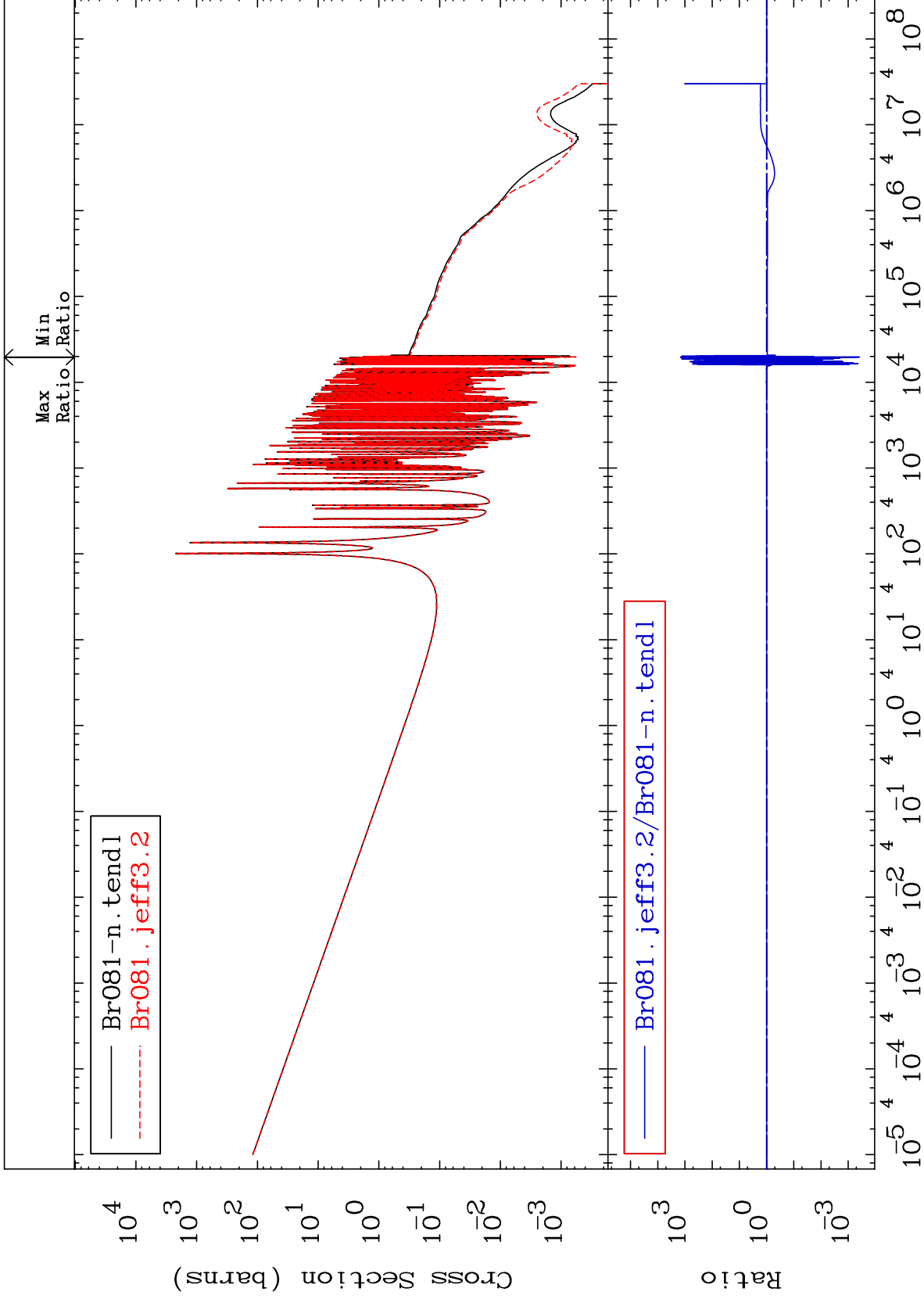
³⁵Br-81
-44.55 To 209.1 %





Cross Section

-99.96 To 9999. %



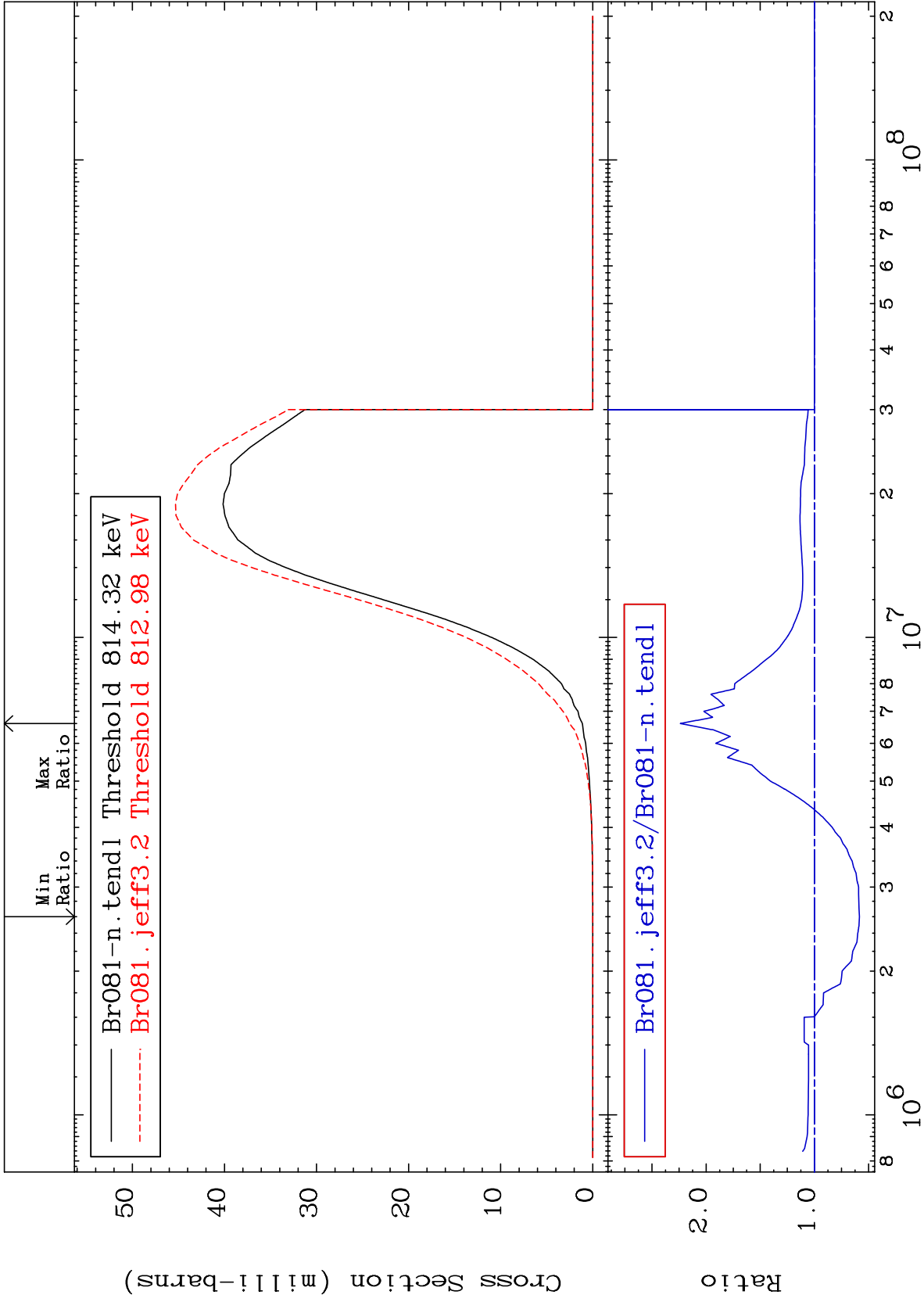
MAT 3531

(n,p)

³⁵Br-81

Cross Section

-41.61 To 123.8 %

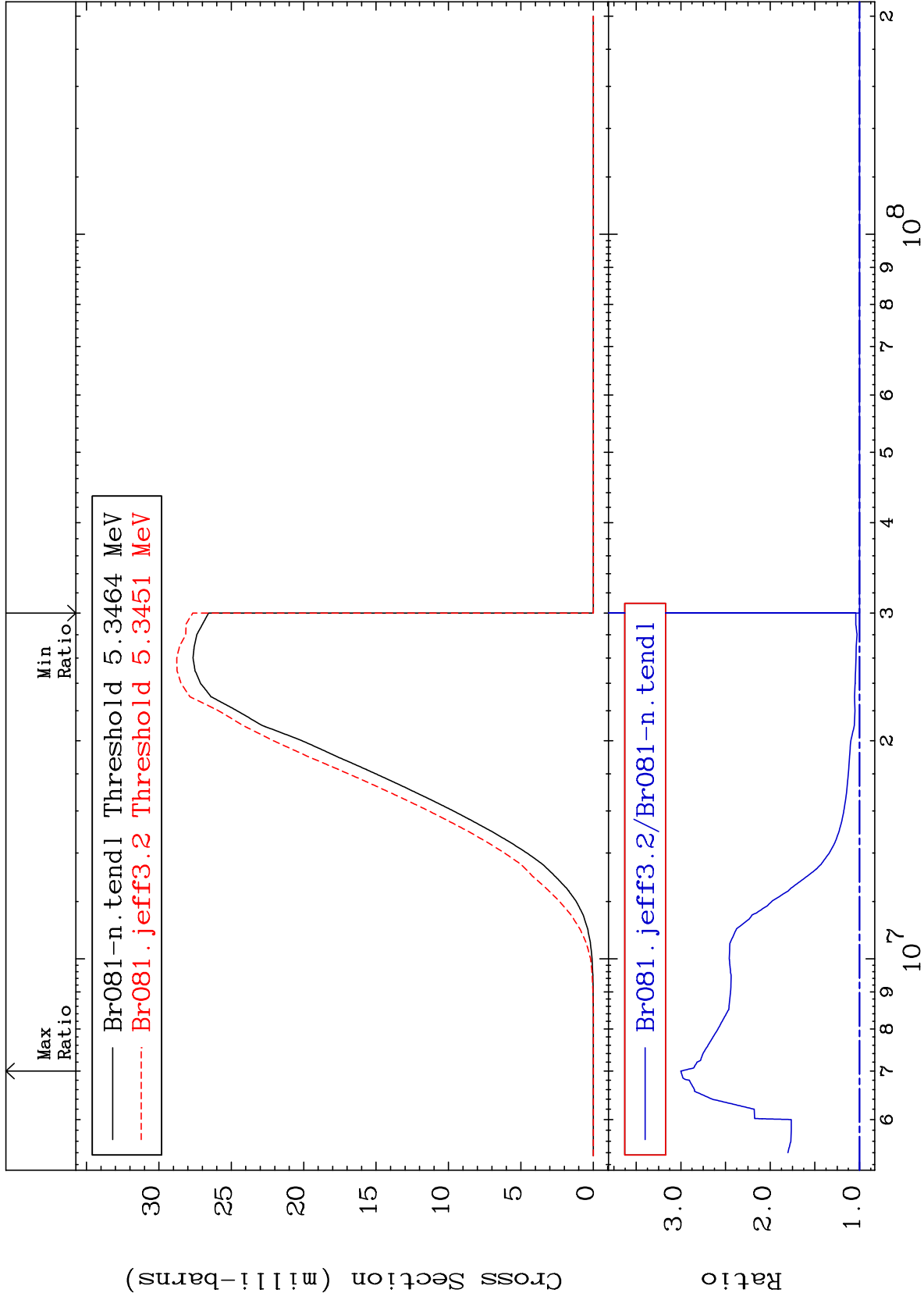


51

Incident Energy (eV)

³⁵Br-81

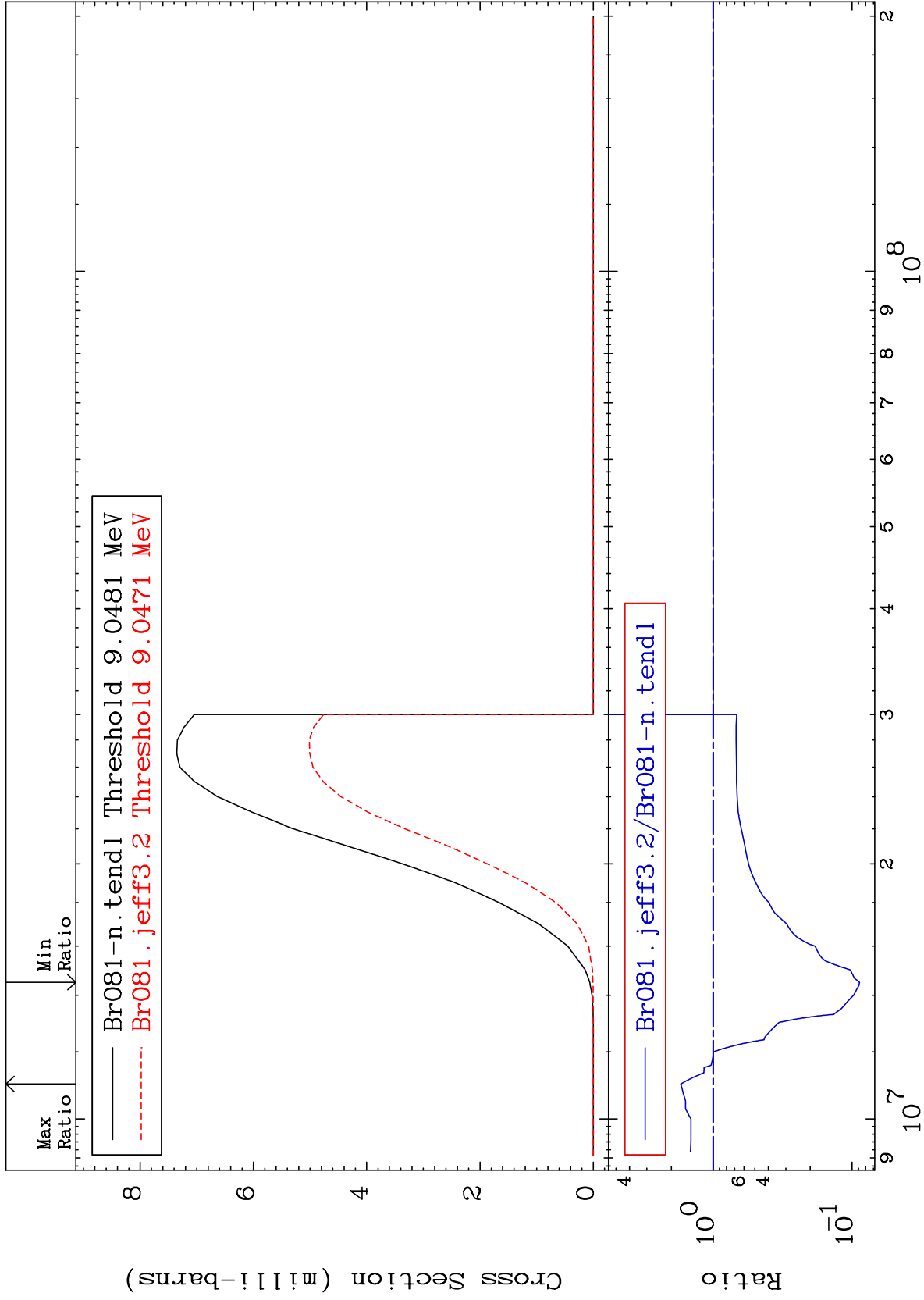
MAT 3531 ³⁵Br-81 (n, d) Cross Section To 200.1 %



MAT 3531

(n, t)
Cross Section

³⁵Br-81
-91.17 To 70.87 %



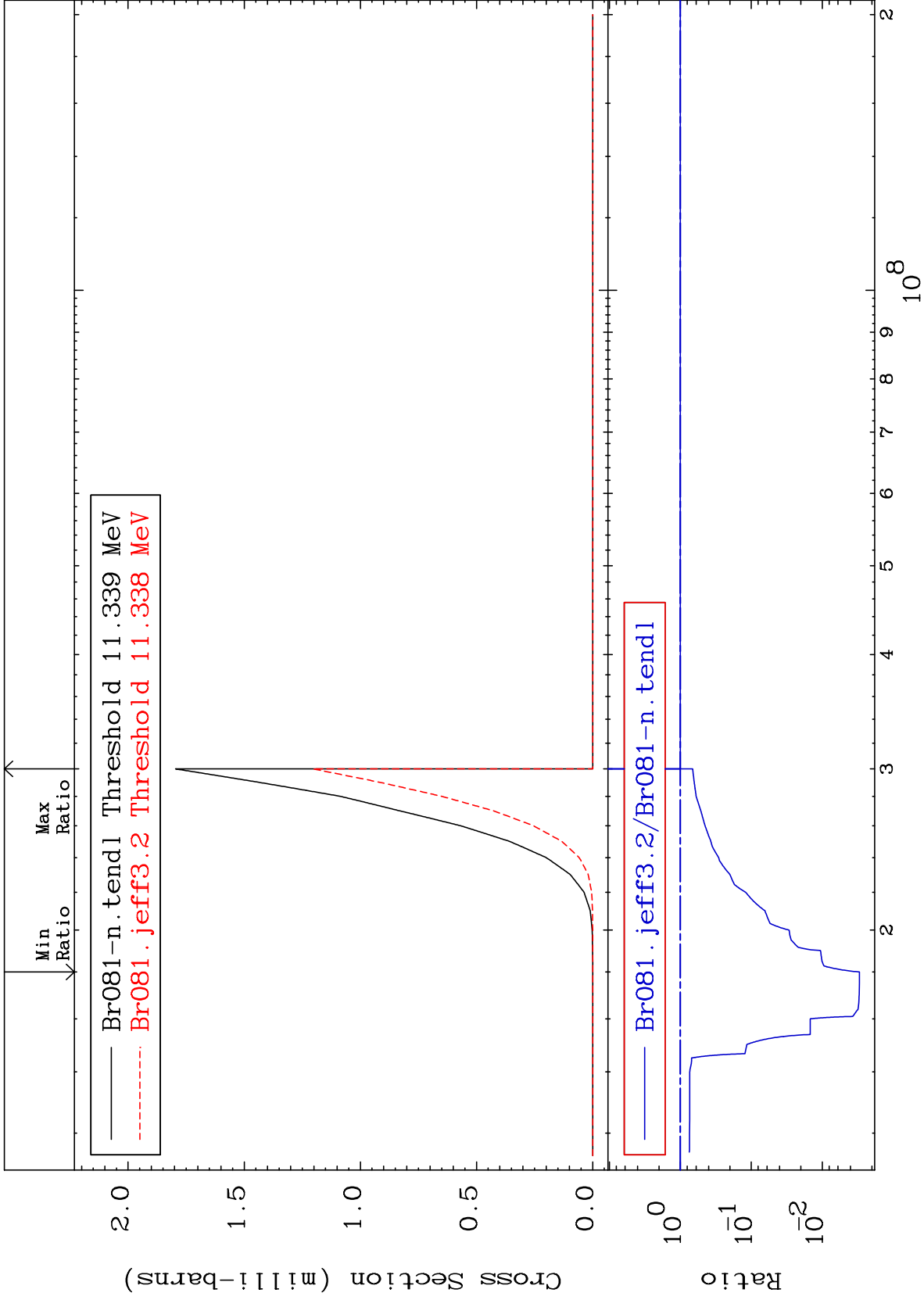
53

Incident Energy (eV)

³⁵Br-81

Cross Section

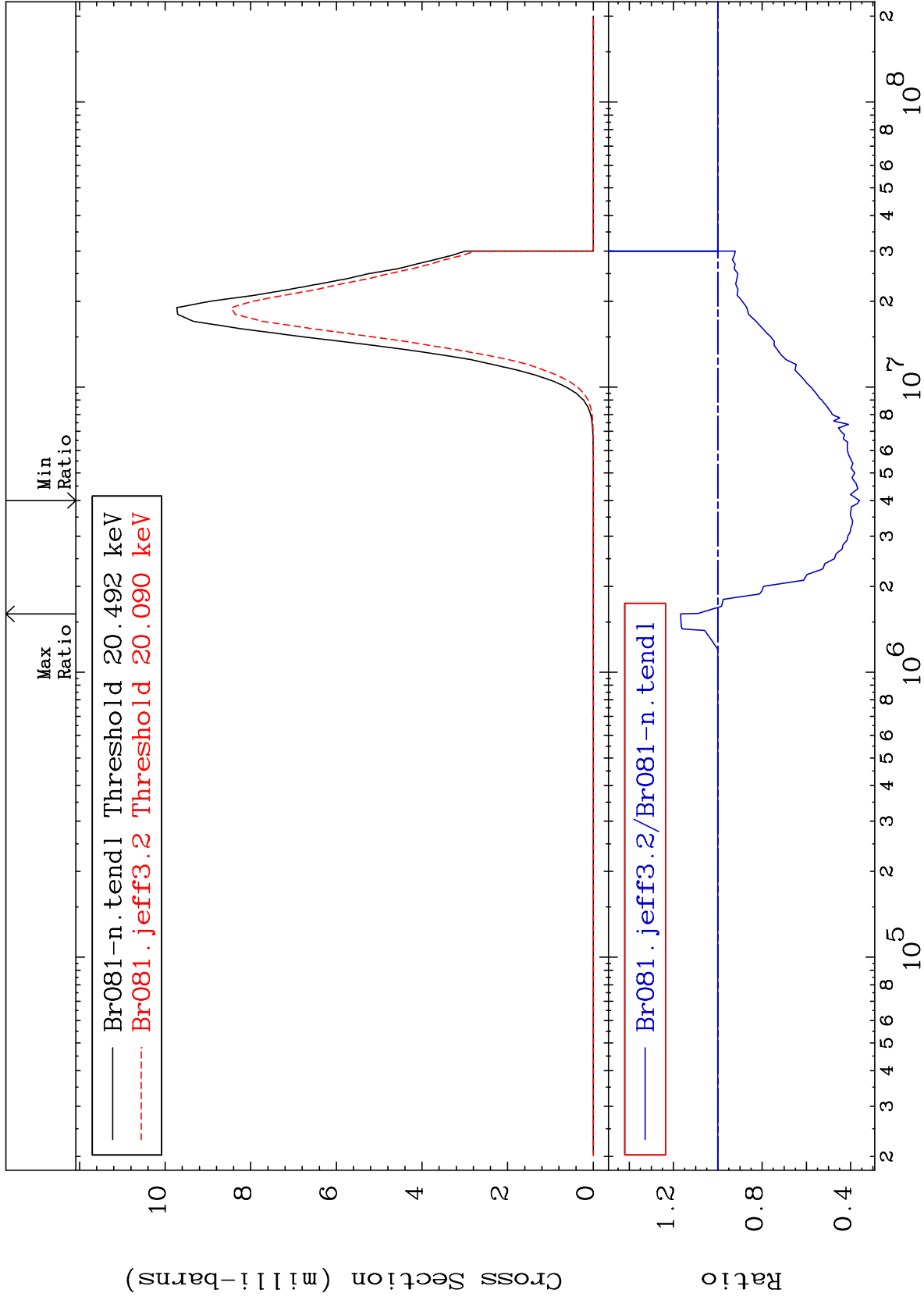
-99.70 To 0.000 %



MAT 3531

³⁵Br-81

(n,α)
Cross Section
-64.00 To 16.73 %



55

Incident Energy (eV)

³⁵Br-81

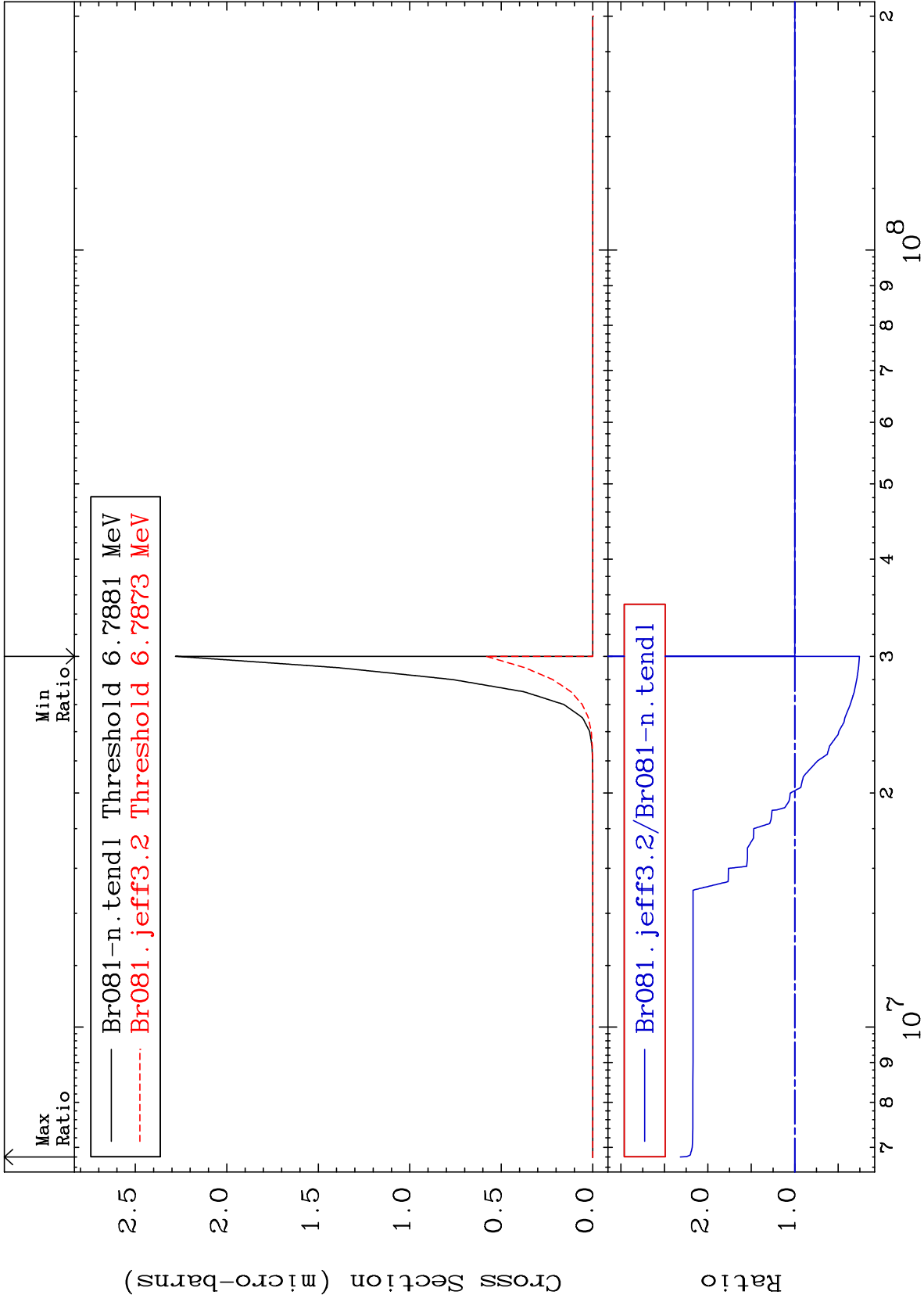
MAT 3531

(n,2α)

³⁵Br-81

Cross Section

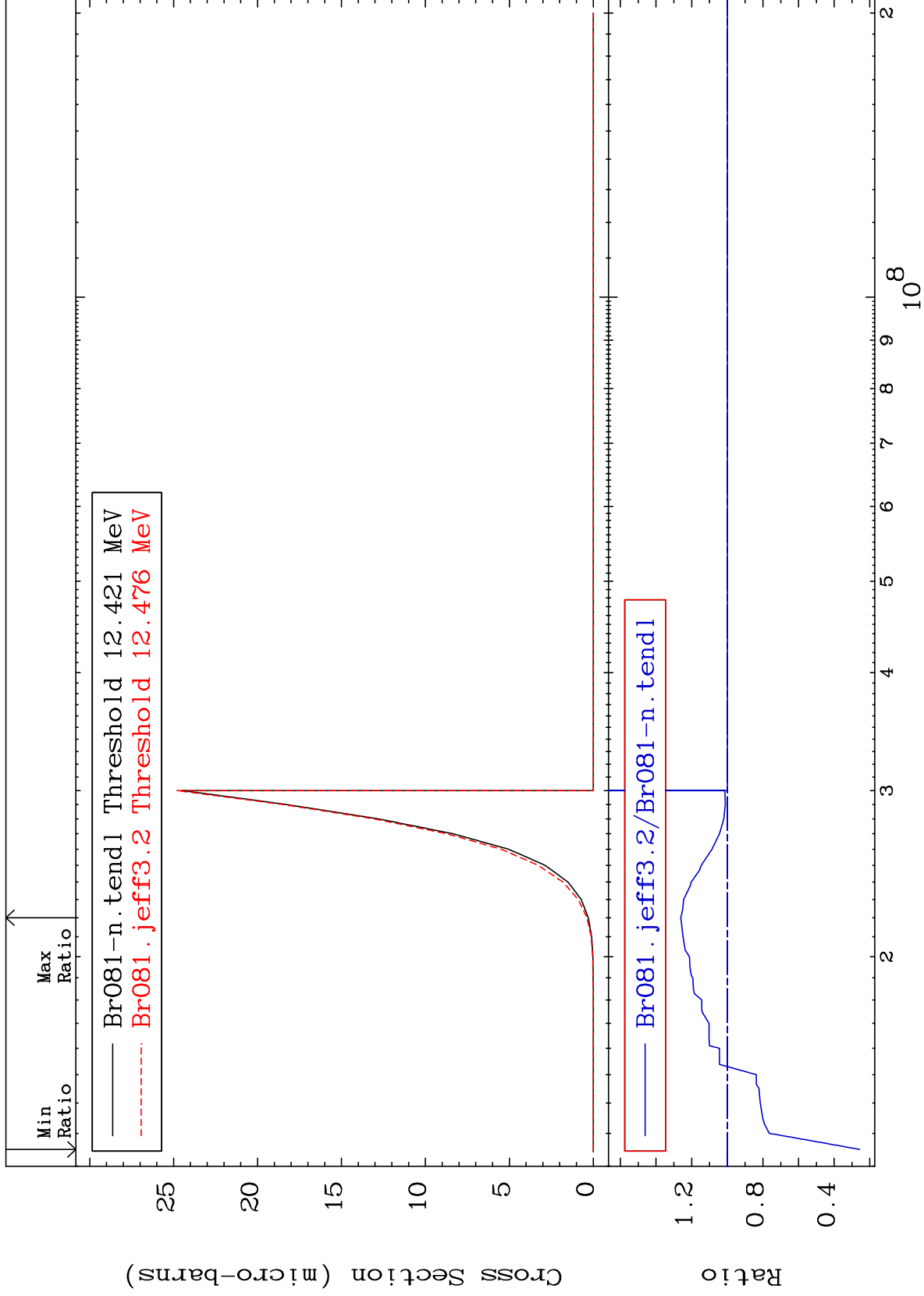
-74.45 To 131.6 %



56

Incident Energy (eV)

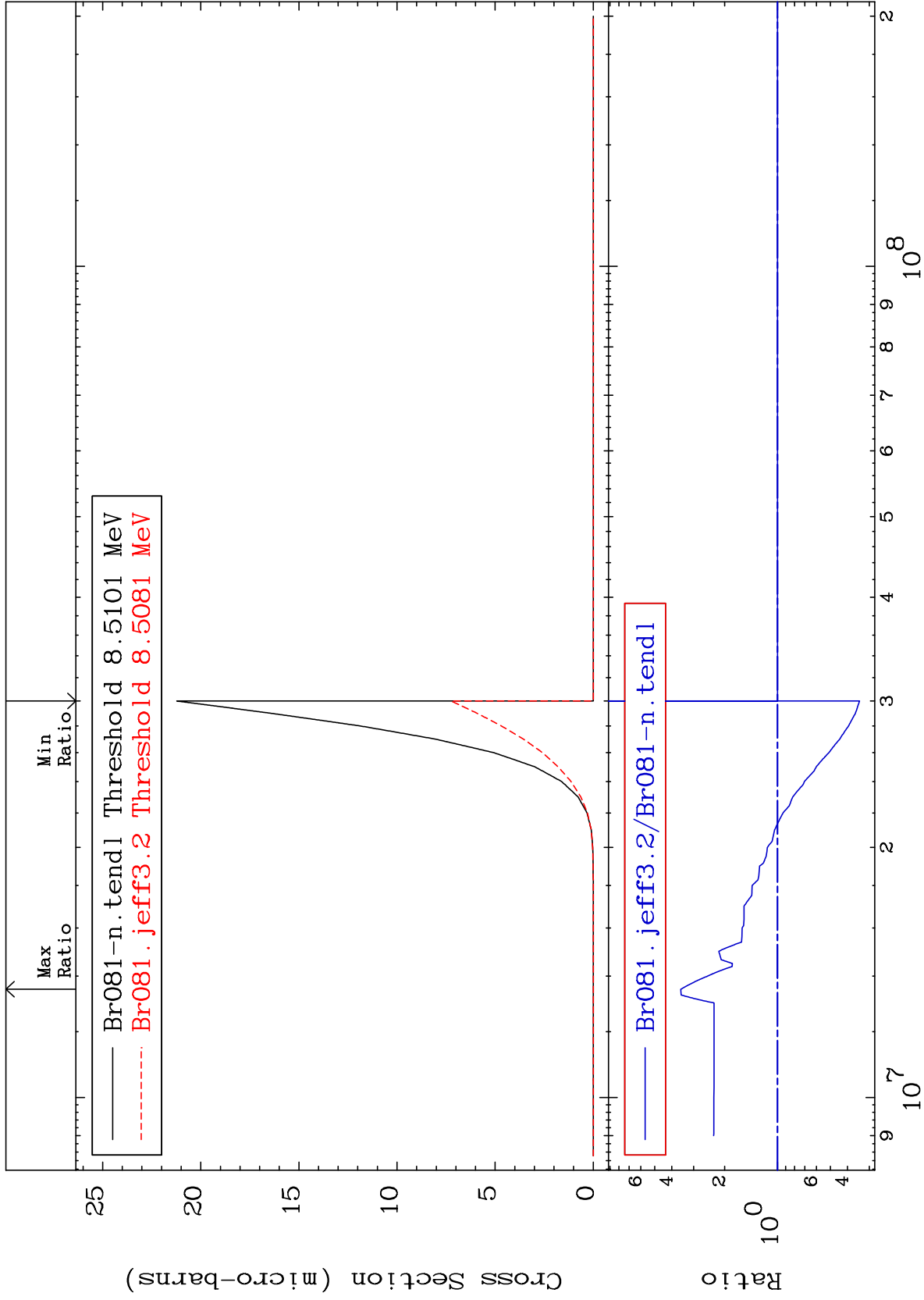
³⁵Br-81



MAT 3531

(n, p) α
Cross Section

35-Br-81
-65.87 To 255.6 %



58

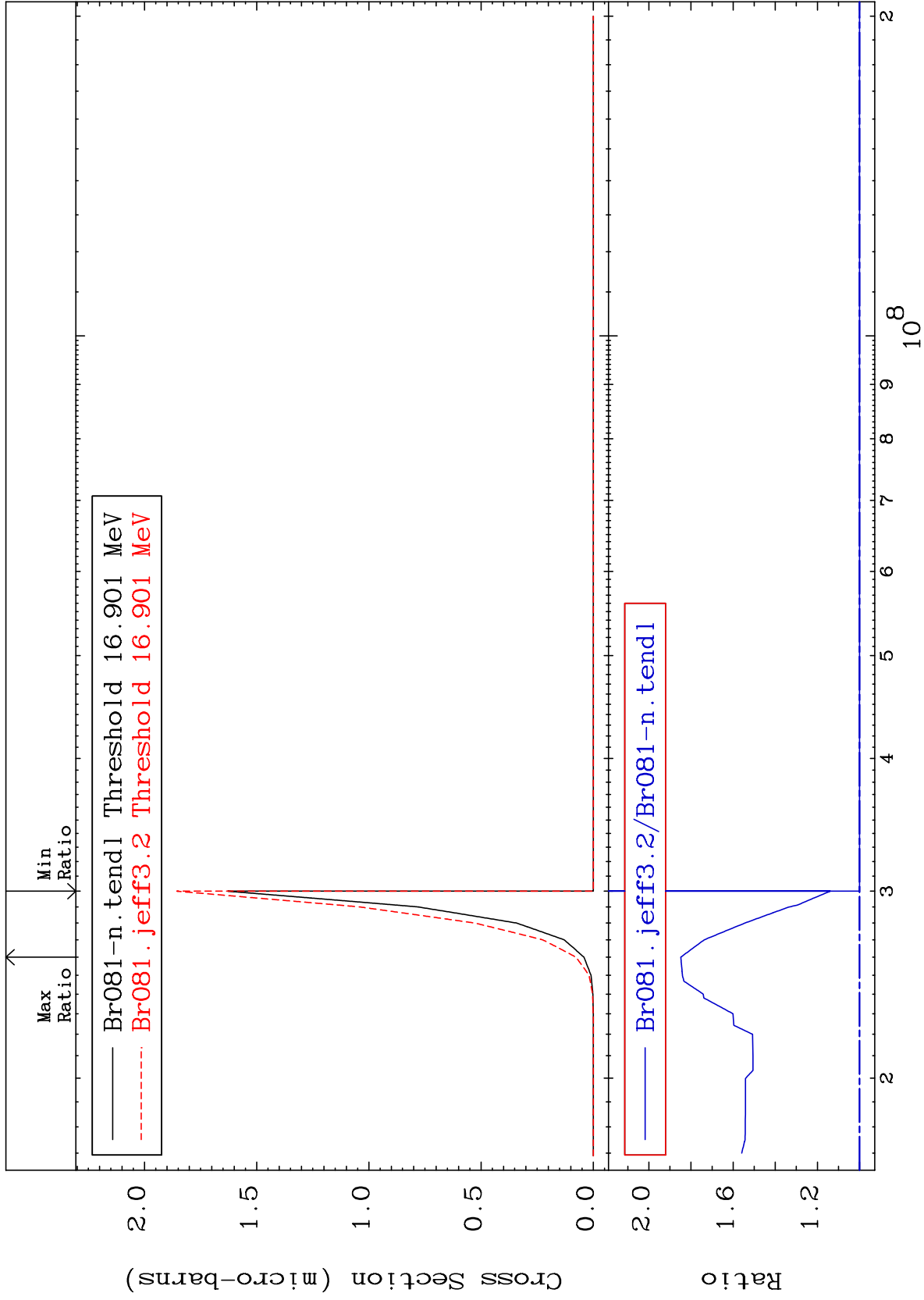
Incident Energy (eV)

35-Br-81

MAT 3531

(n,p) d
Cross Section

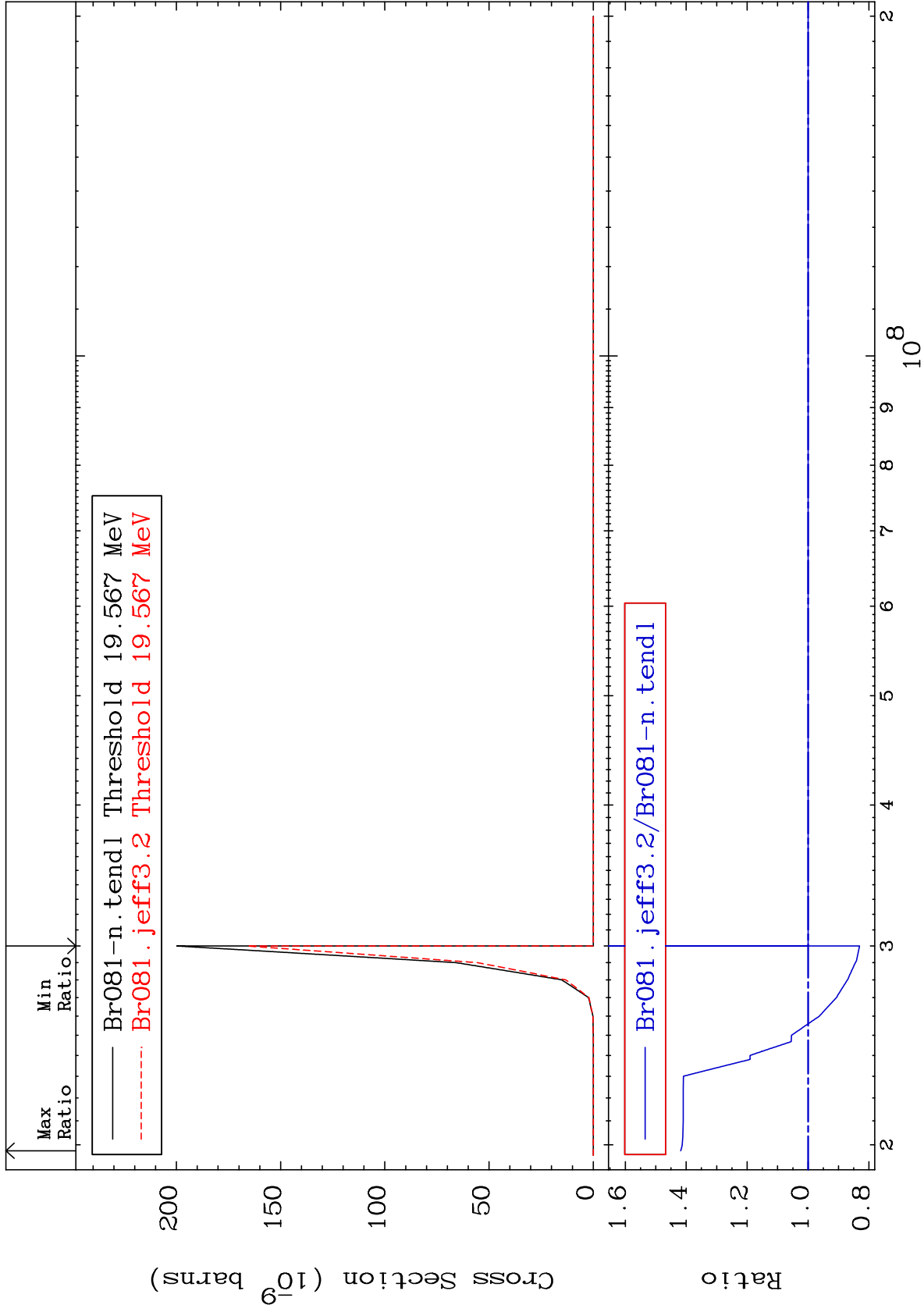
35-Br-81
0.000 To 84.87 %



MAT 3531

(n,p) t
Cross Section

35-Br-81
-16.89 To 41.78 %



60

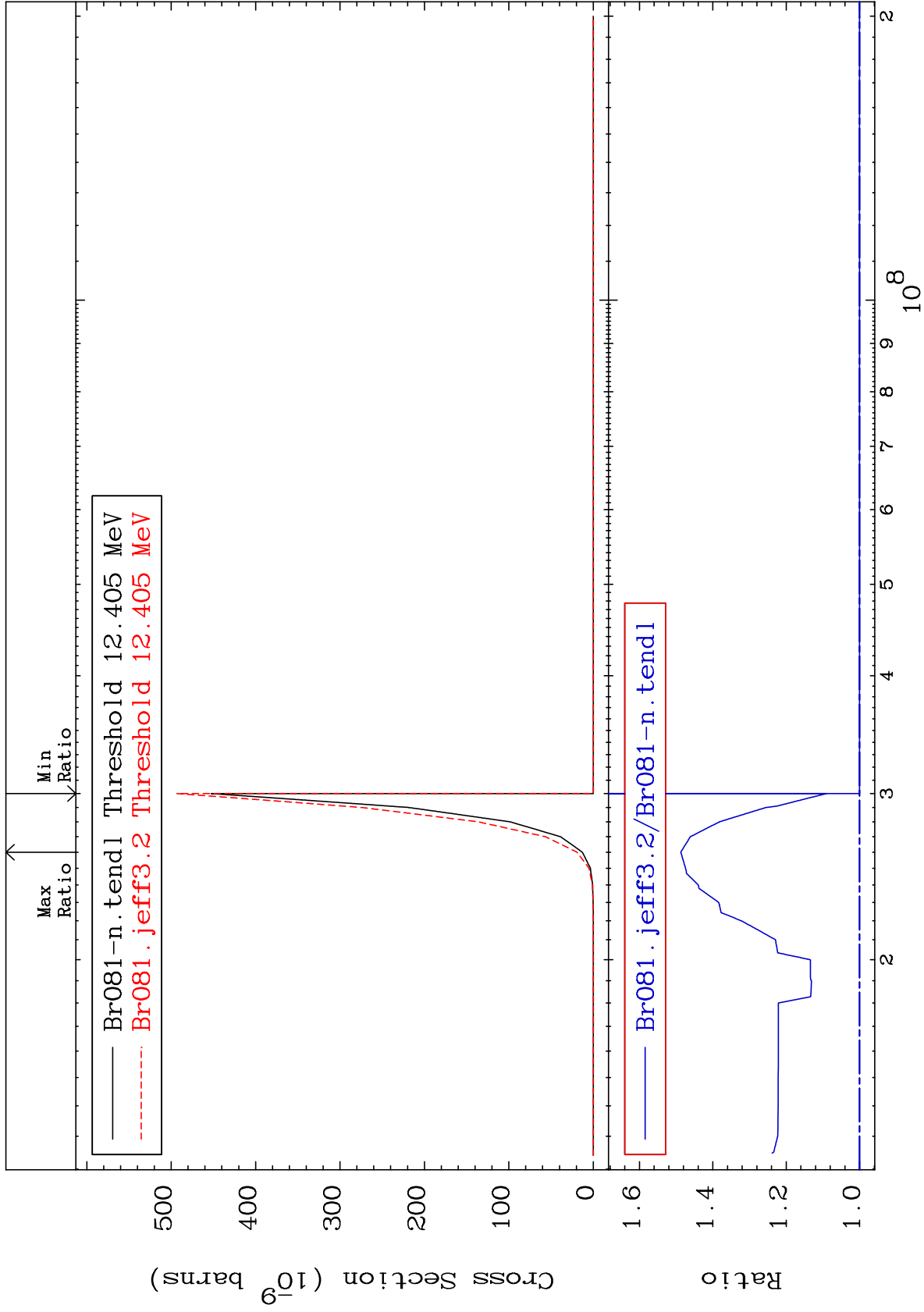
Incident Energy (eV)

35-Br-81

MAT 3531

(n,d) α
Cross Section

35-Br-81
0.000 To 48.73 %



61

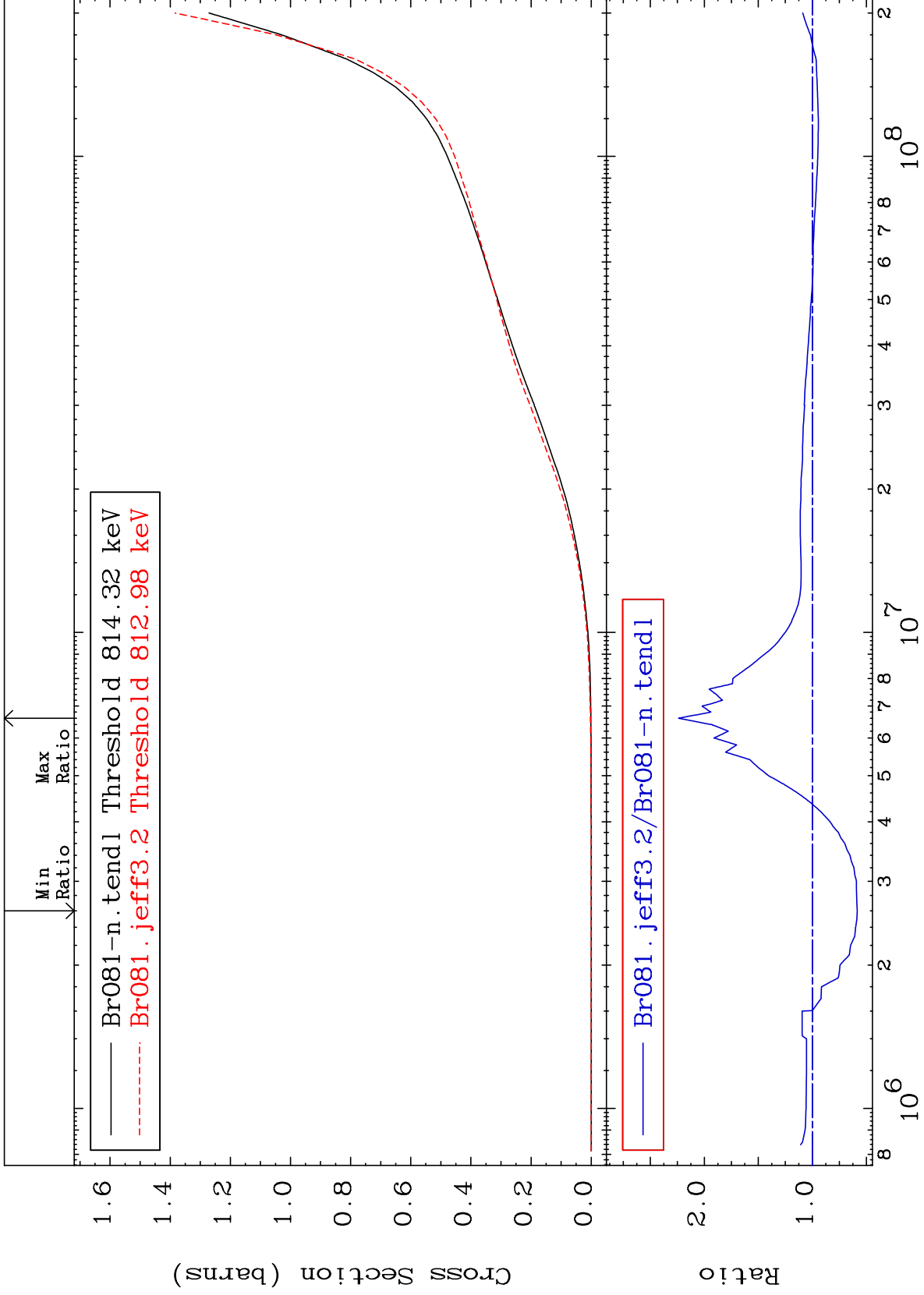
Incident Energy (eV)

35-Br-81

MAT 3531

Hydrogen Production
Cross Section

³⁵Br-81
-41.61 To 123.8 %



62

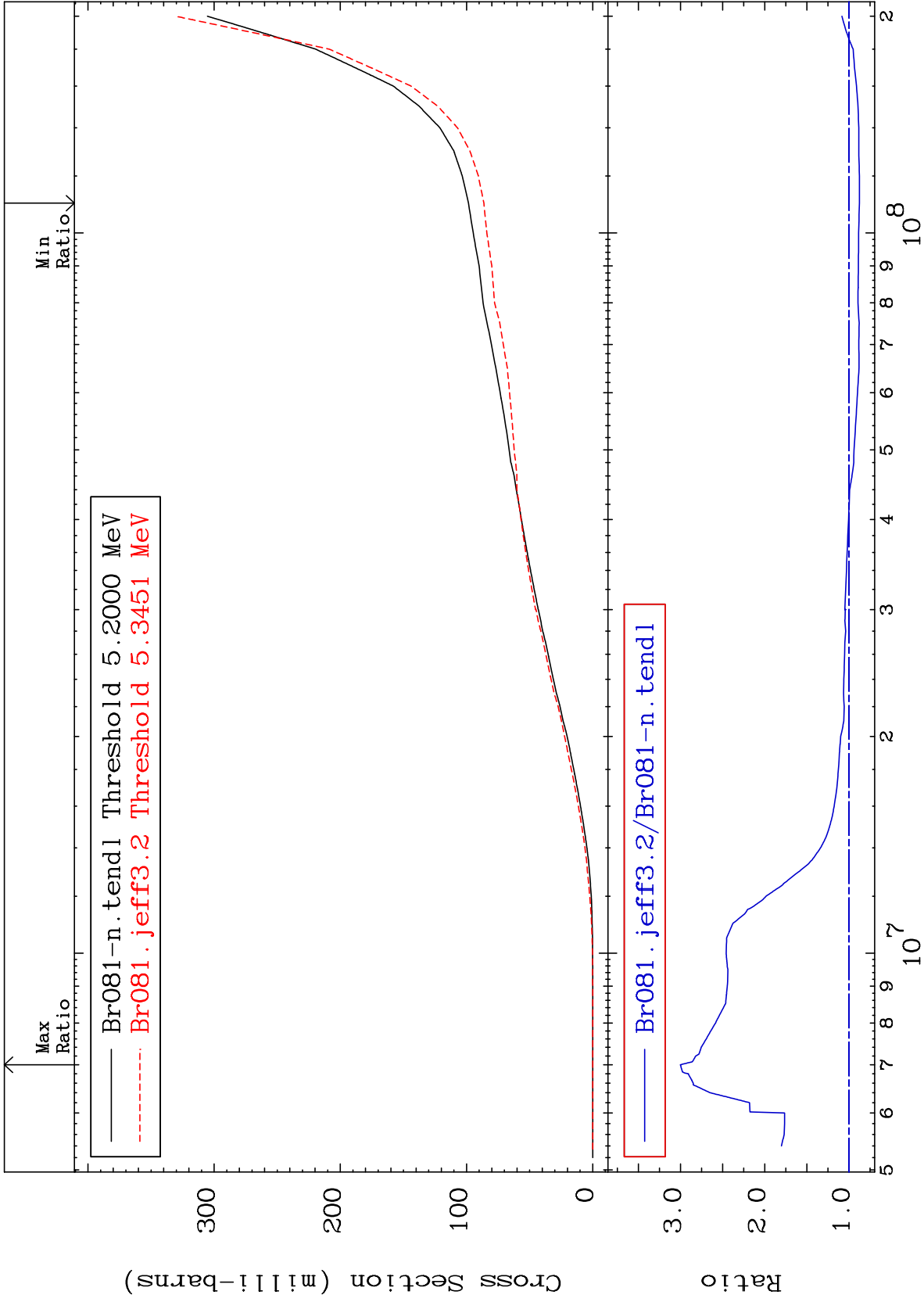
Incident Energy (eV)

³⁵Br-81

MAT 3531

Deuterium Production
Cross Section

³⁵Br-81
-12.39 To 200.1 %



63

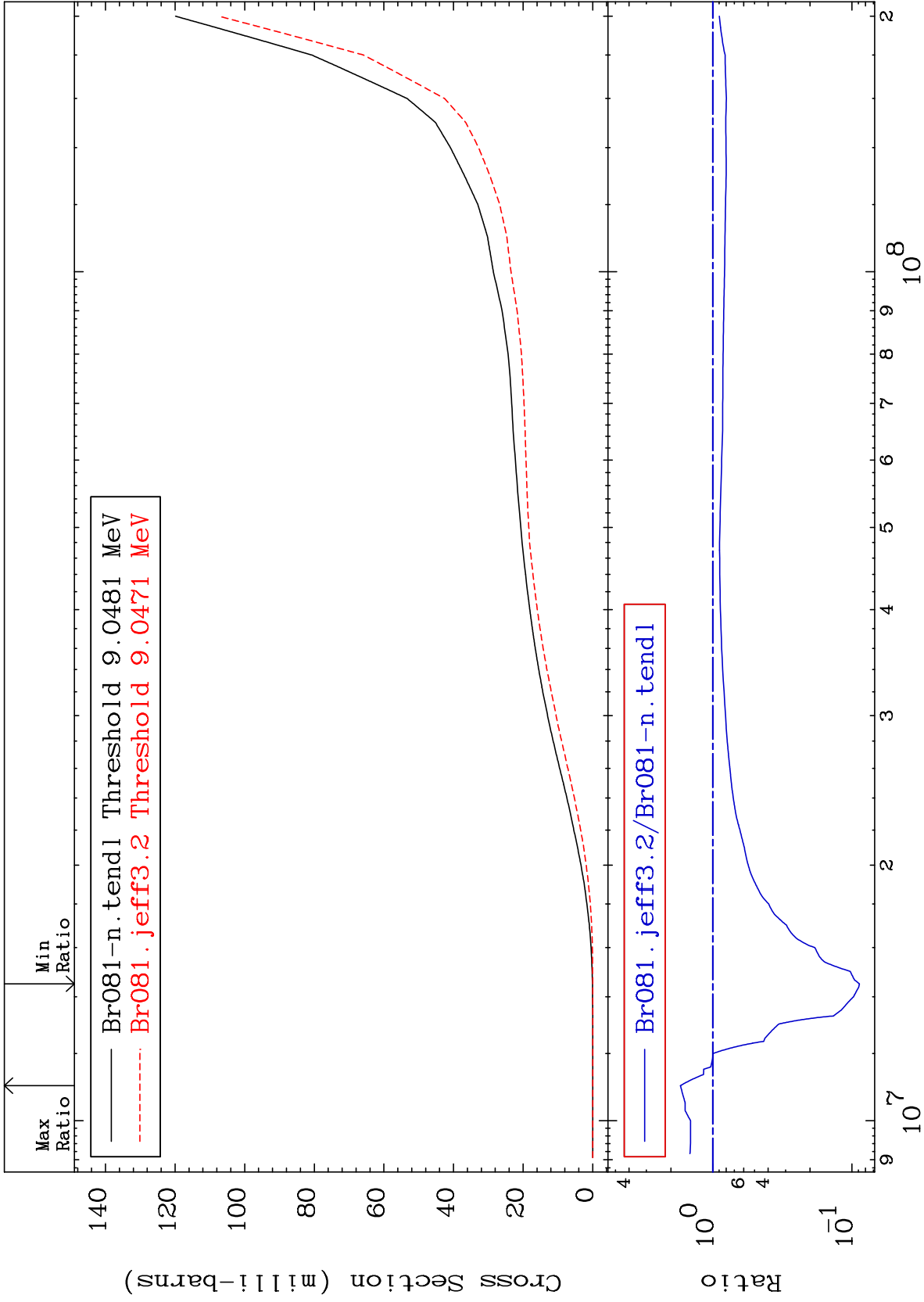
Incident Energy (eV)

³⁵Br-81

MAT 3531

Tritium Production
Cross Section

³⁵Br-81
-91.17 To 70.87 %



64

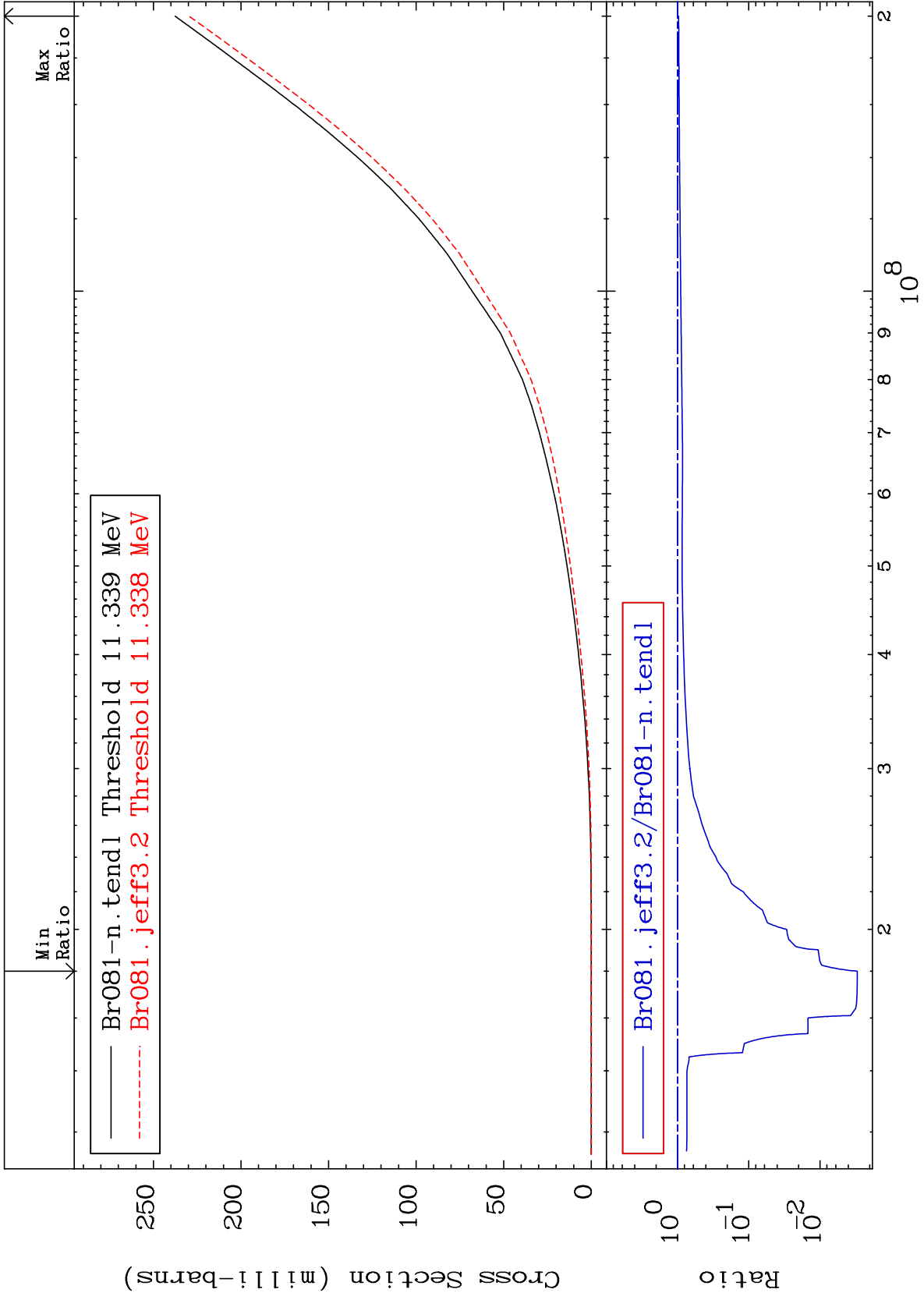
Incident Energy (eV)

³⁵Br-81

MAT 3531

He-3 Production
Cross Section

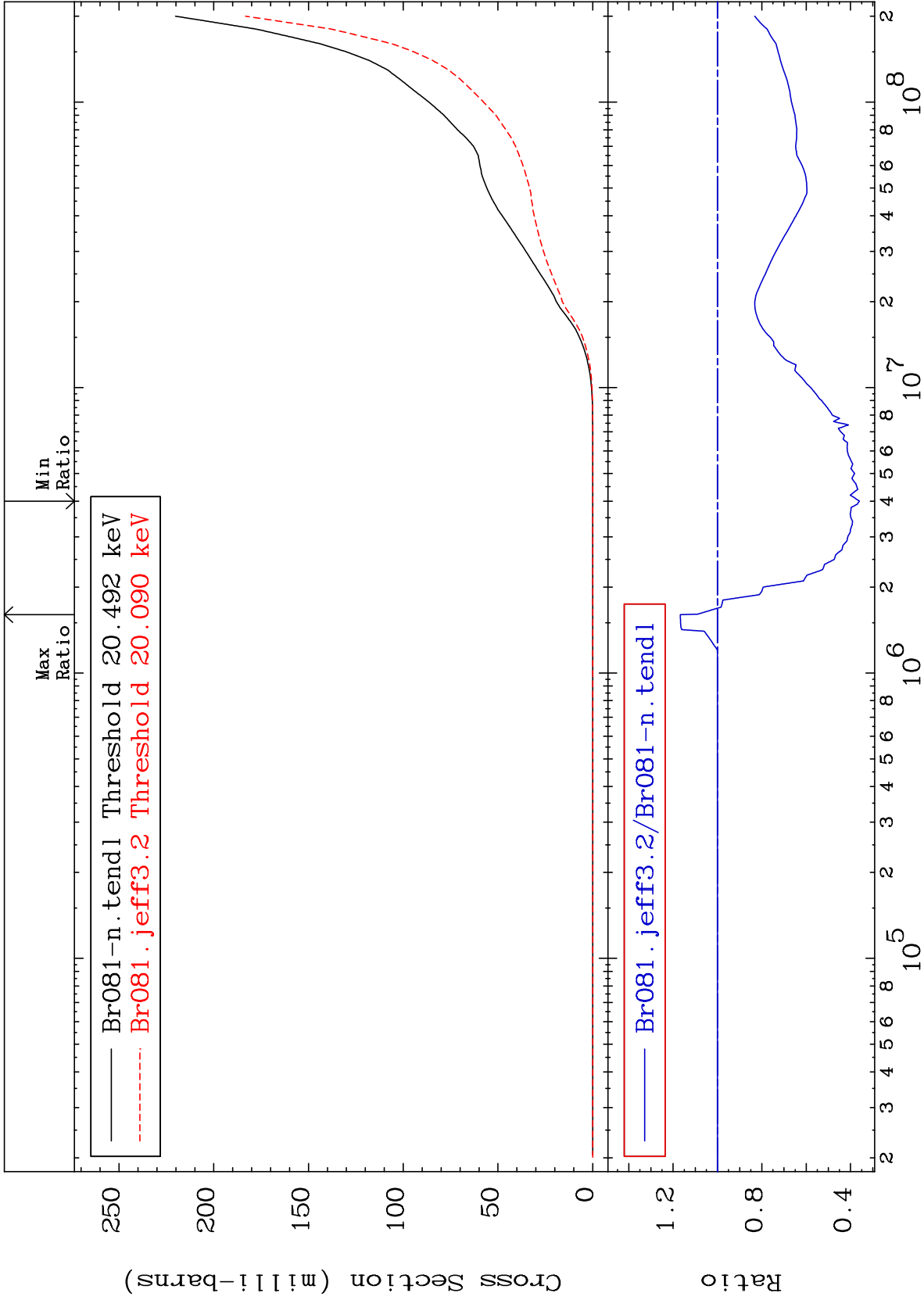
35-Br-81
-99.70 To -3.350%

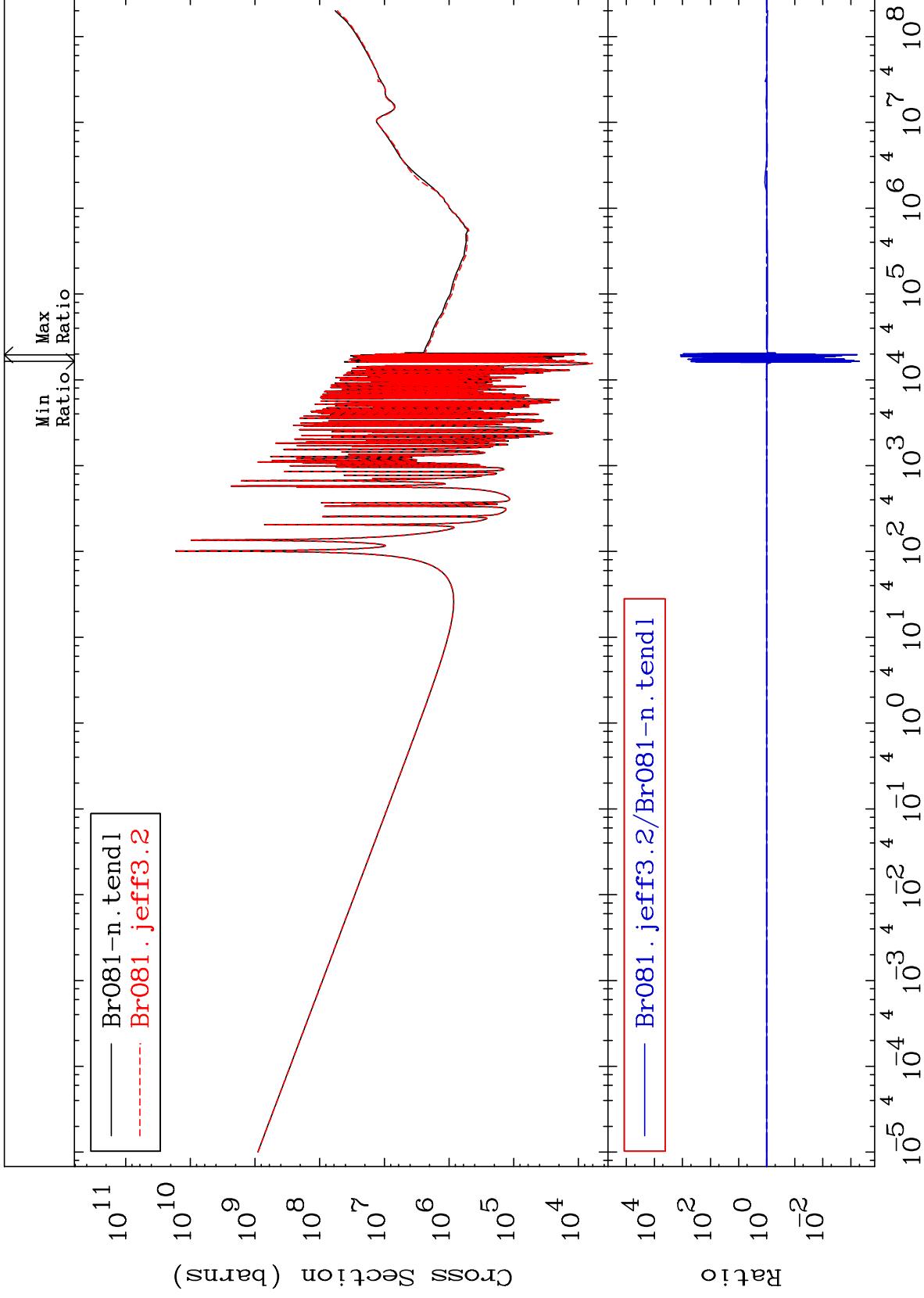


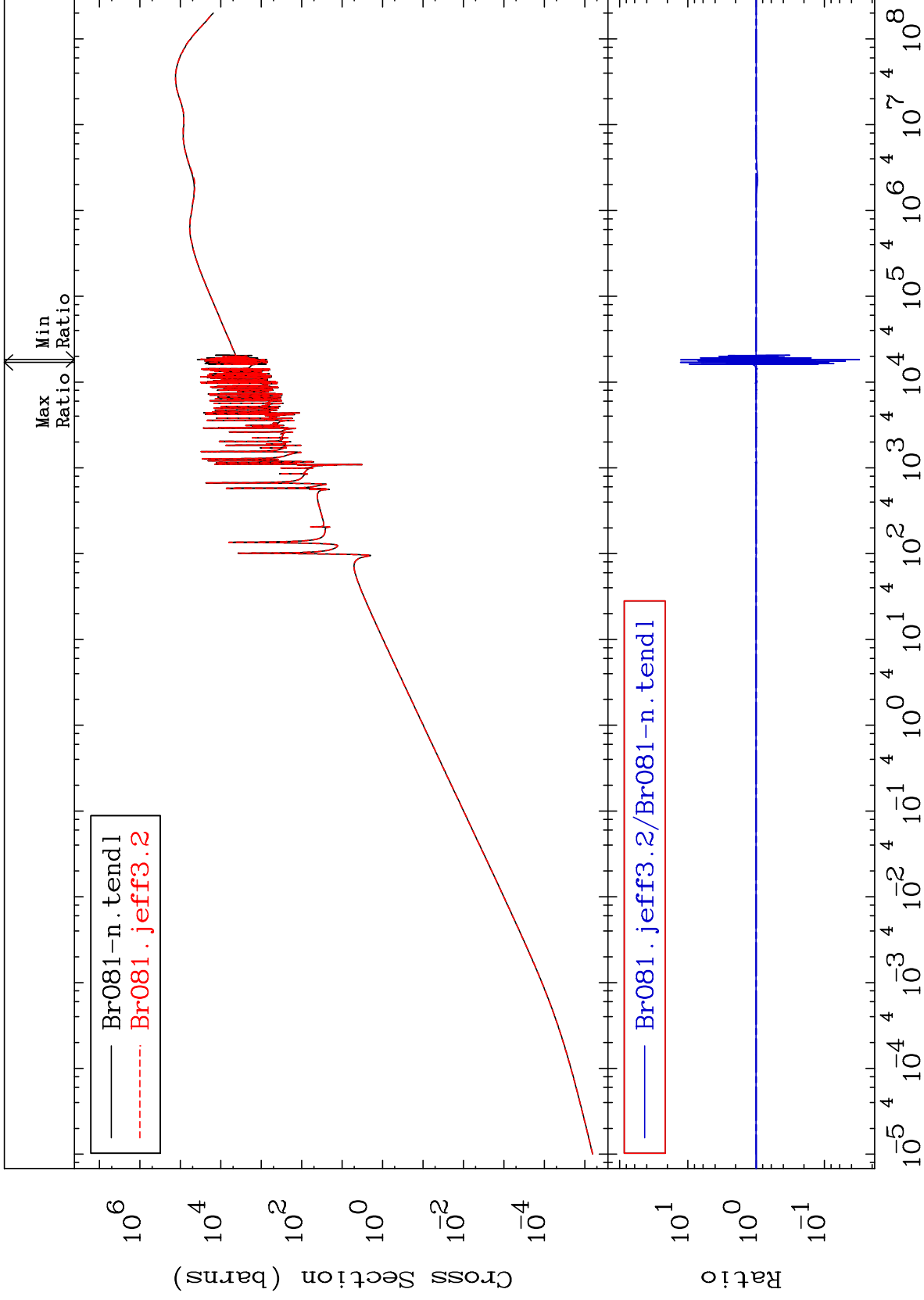
65

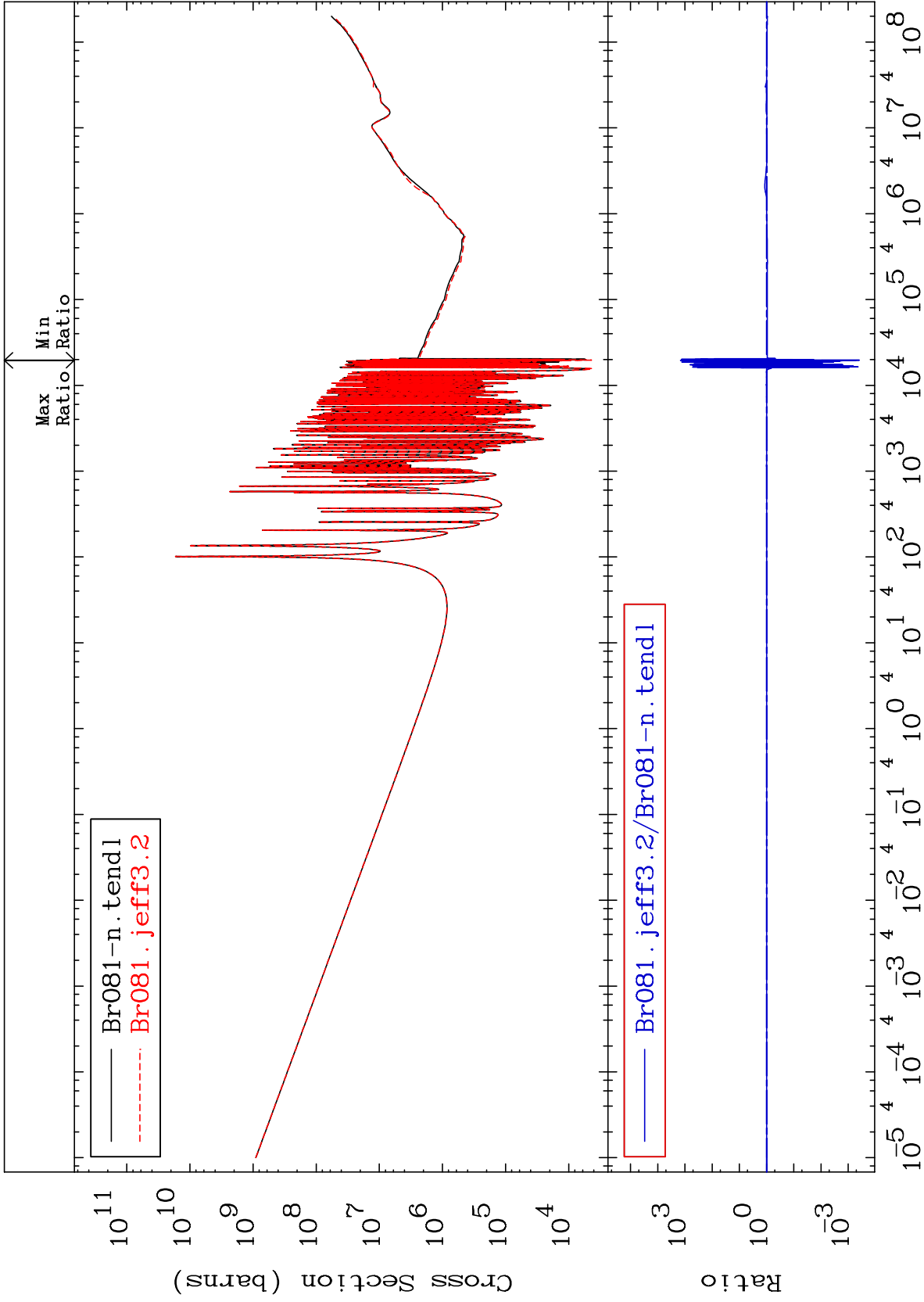
Incident Energy (eV)

35-Br-81





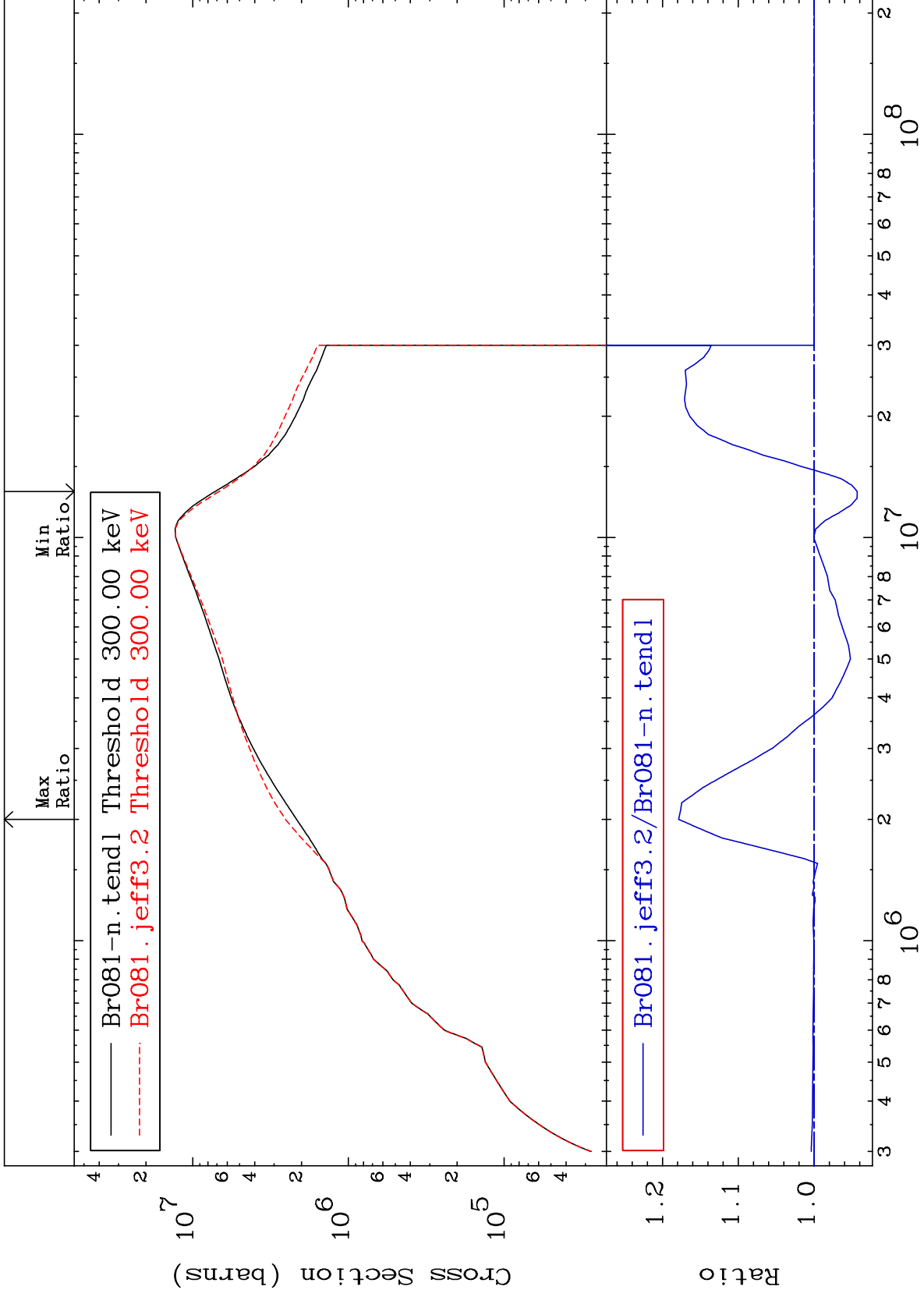




MAT 3531

Kerma inelastic (mt51-91)
Cross Section

35-Br-81
-5.679 To 17.87 %



70

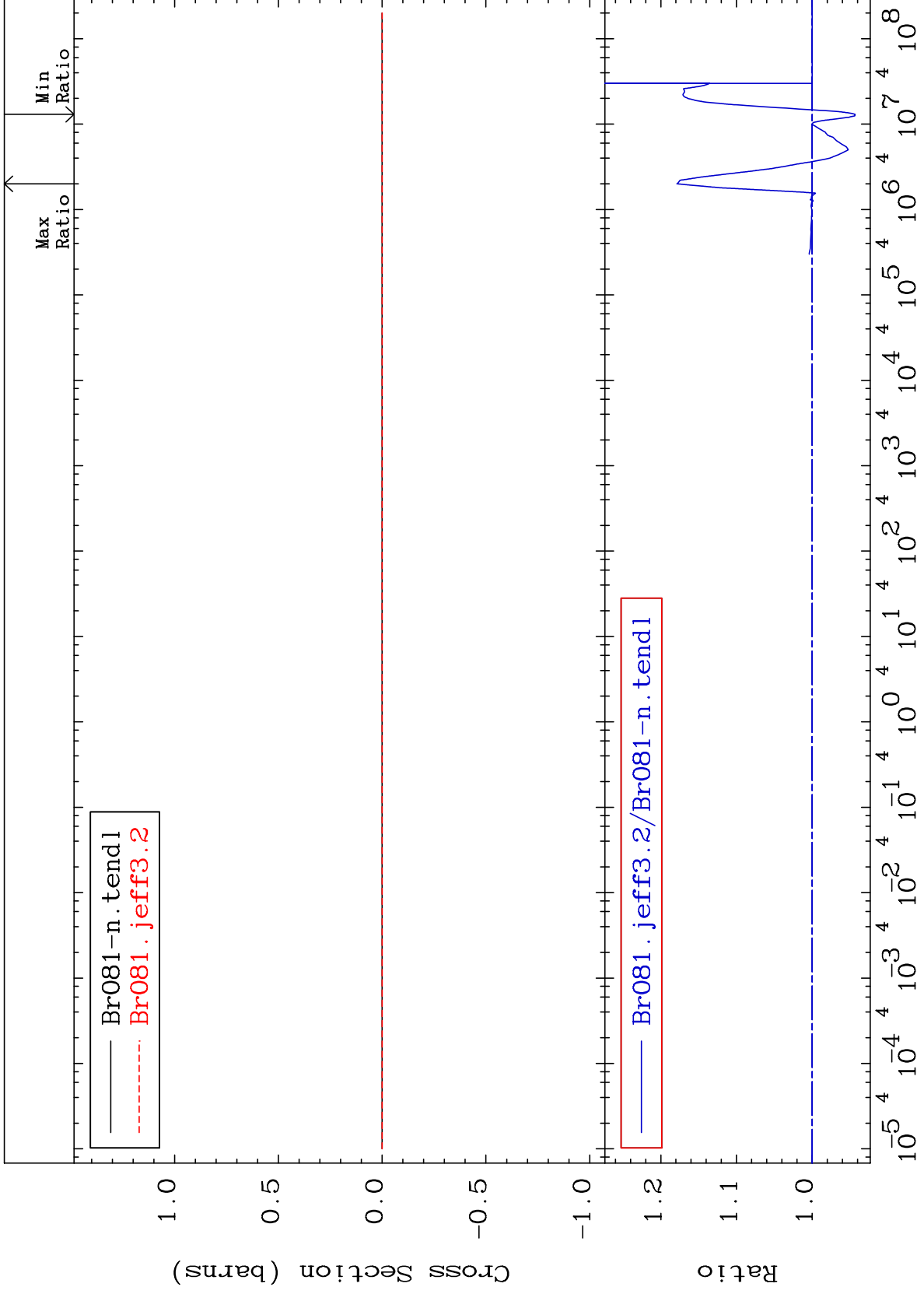
Incident Energy (eV)

35-Br-81

MAT 3531

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

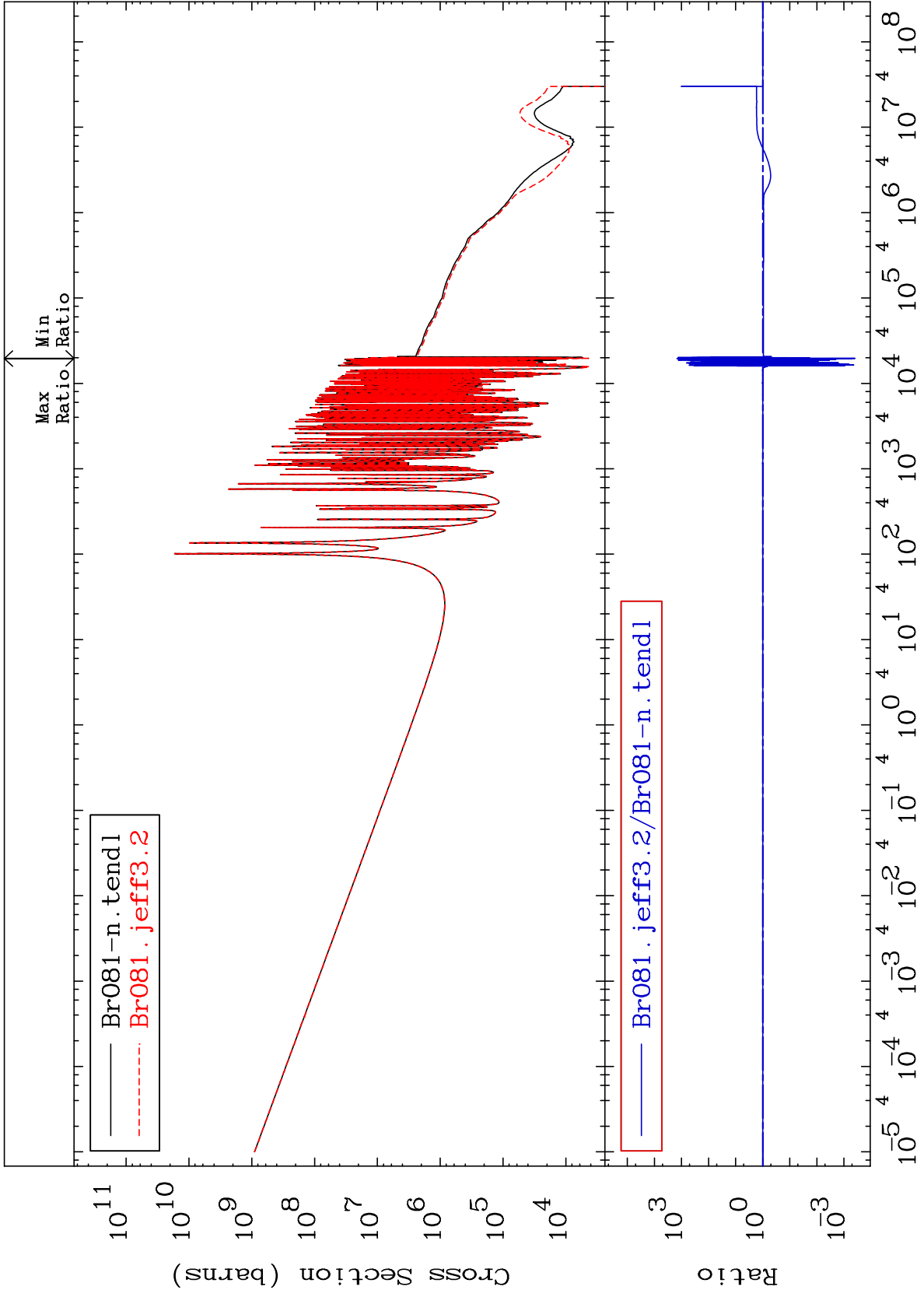
35-Br-81
-5.679 To 17.87 %

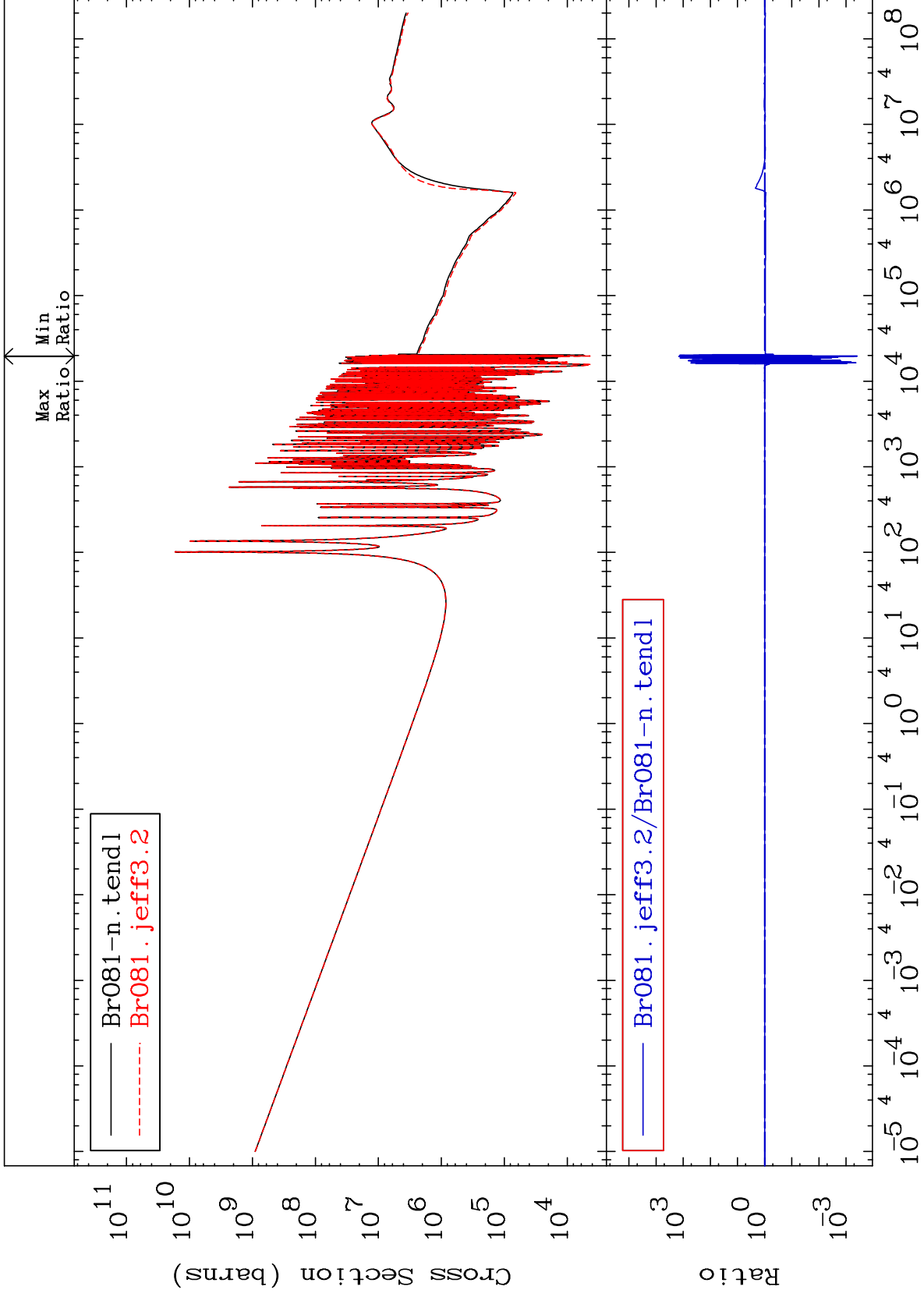


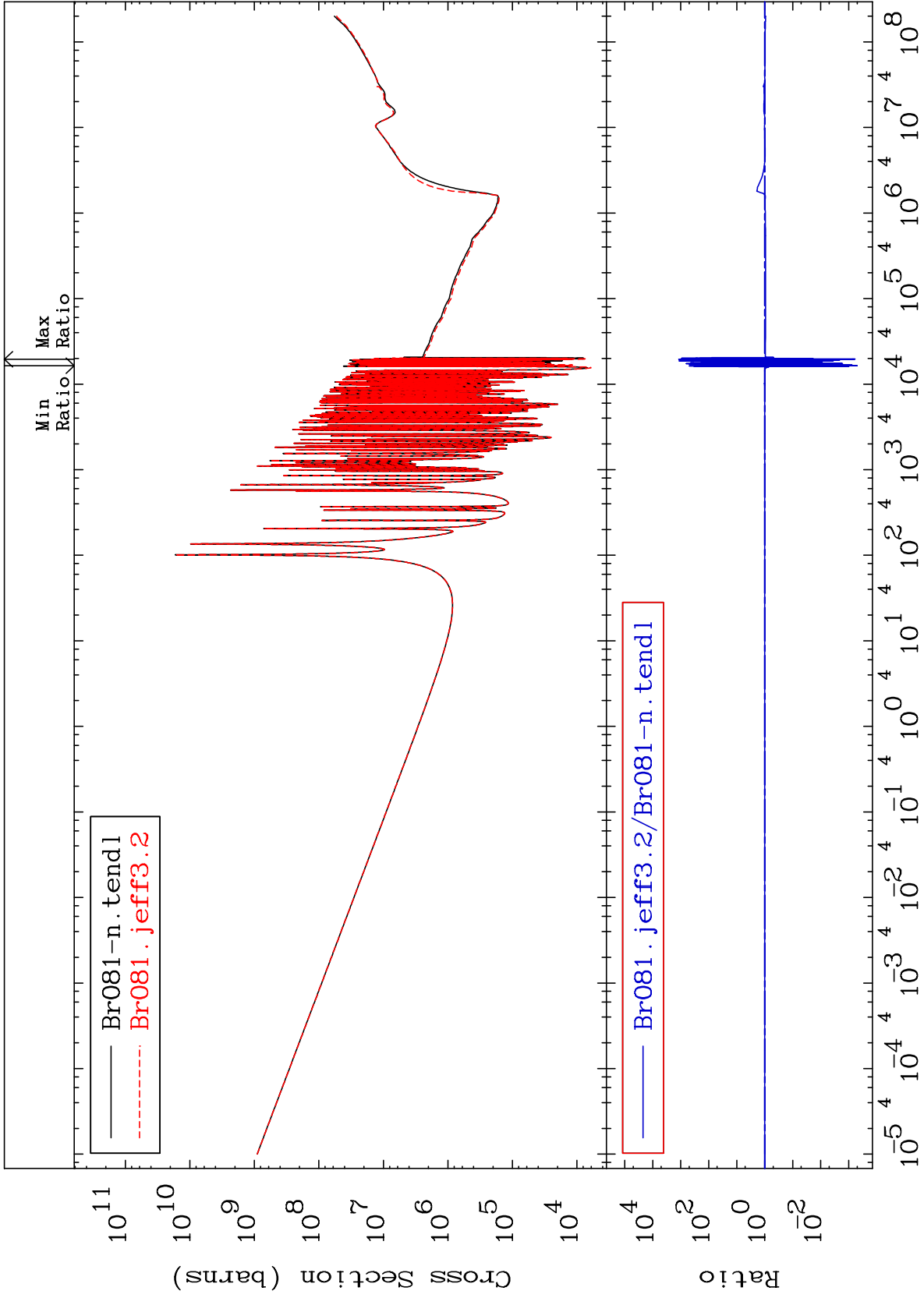
71

Incident Energy (eV)

35-Br-81



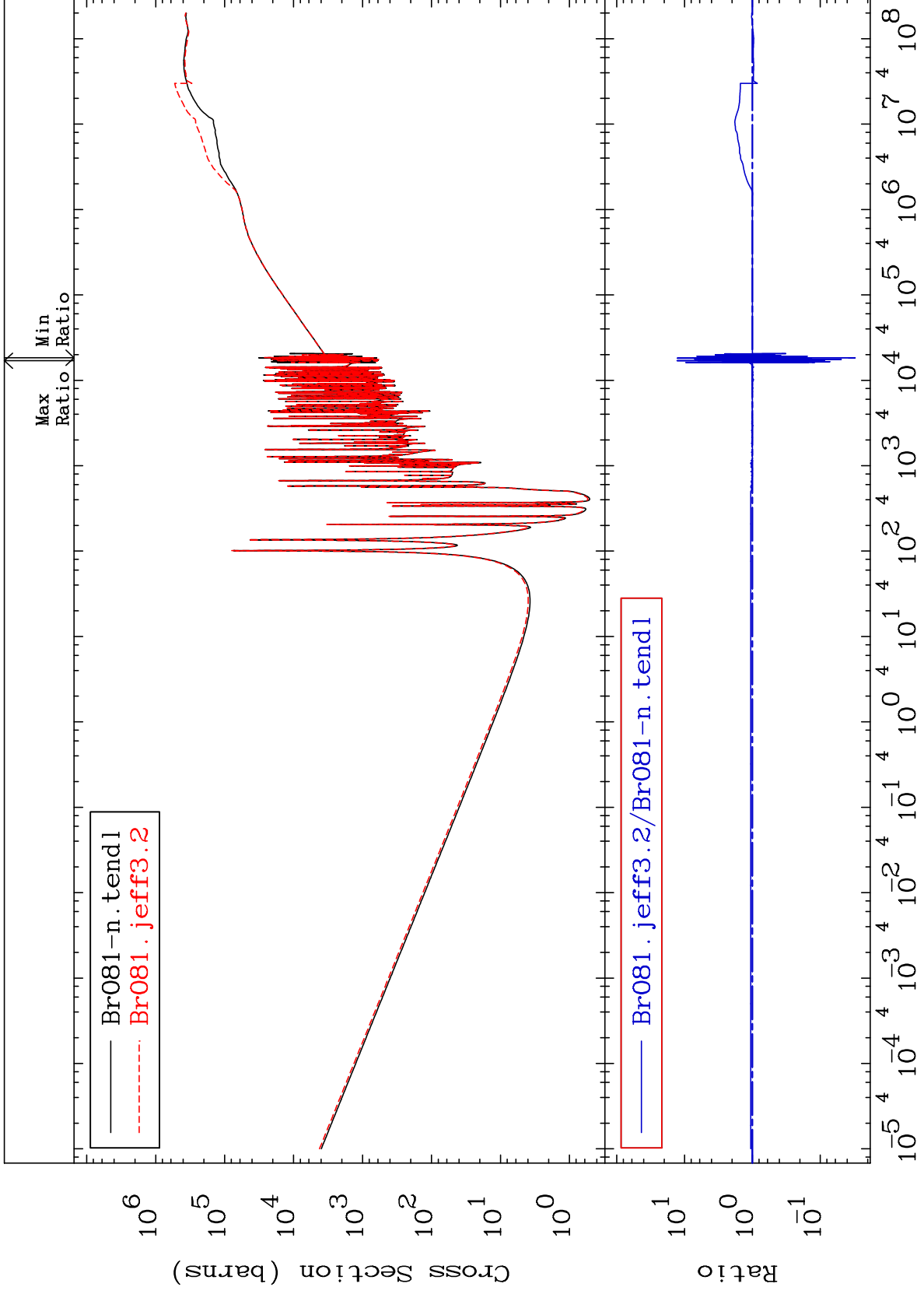


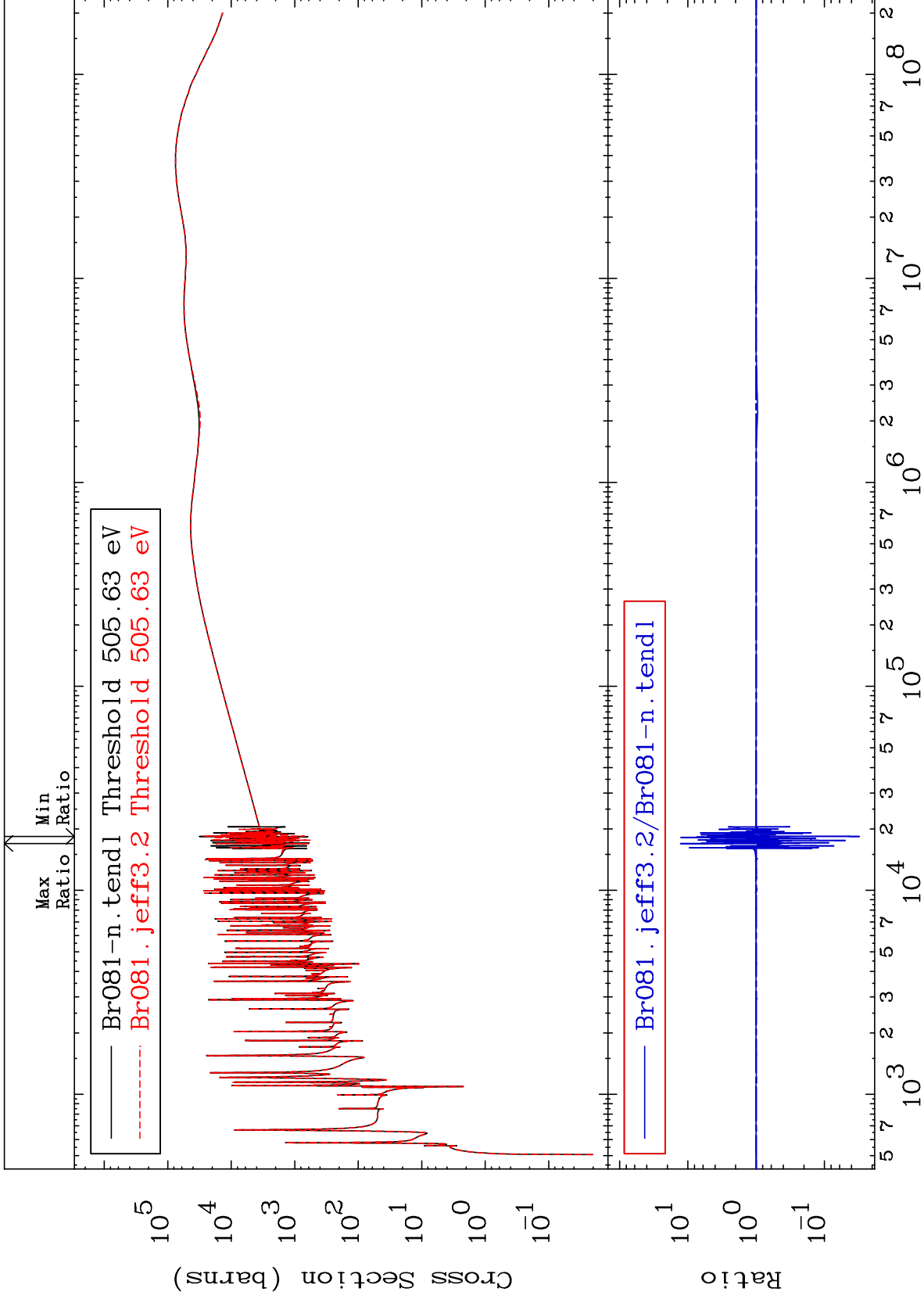


MAT 3531

Dpa total (eV-barns)
Cross Section

35-Br-81
-96.93 To 1196. %

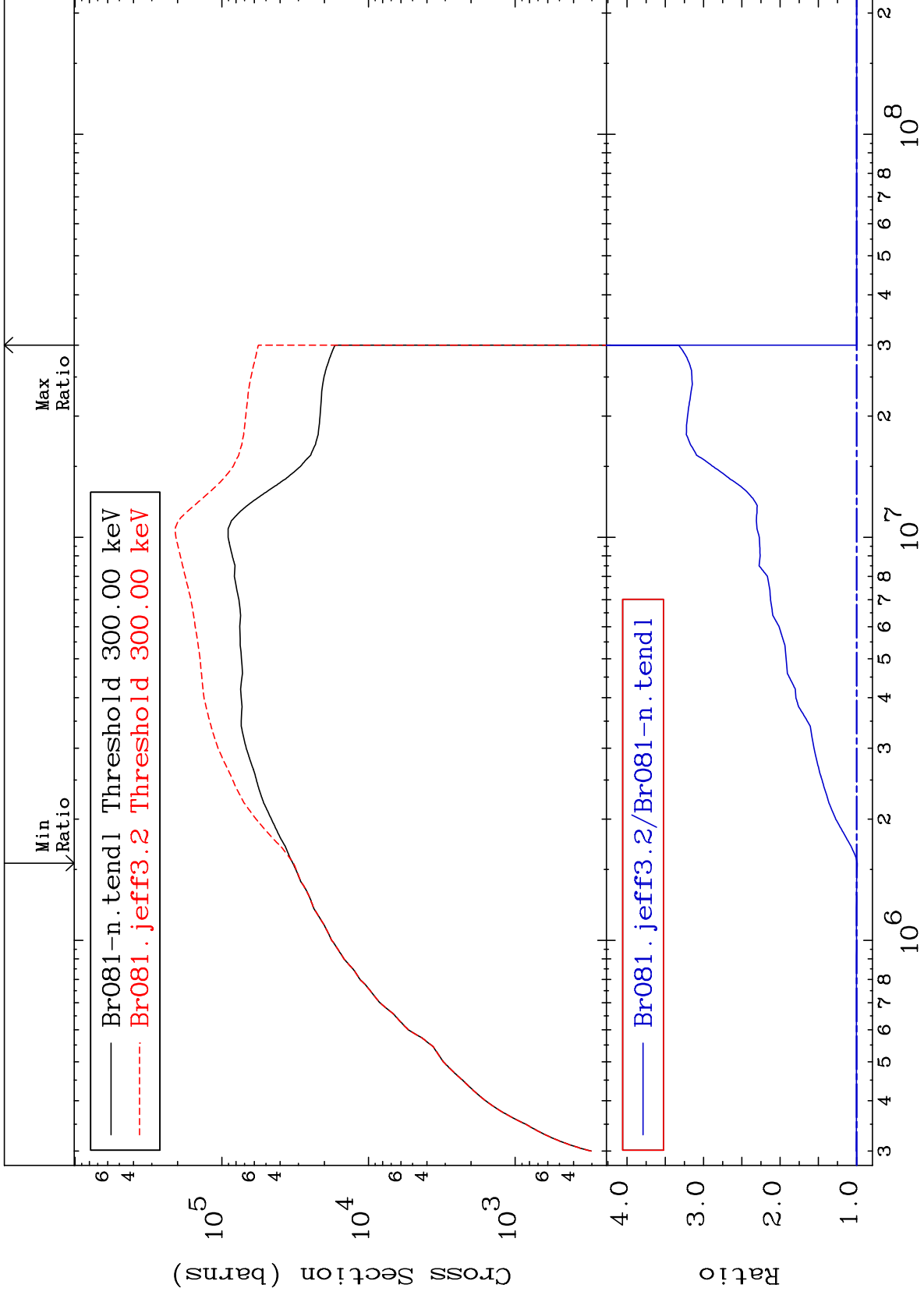


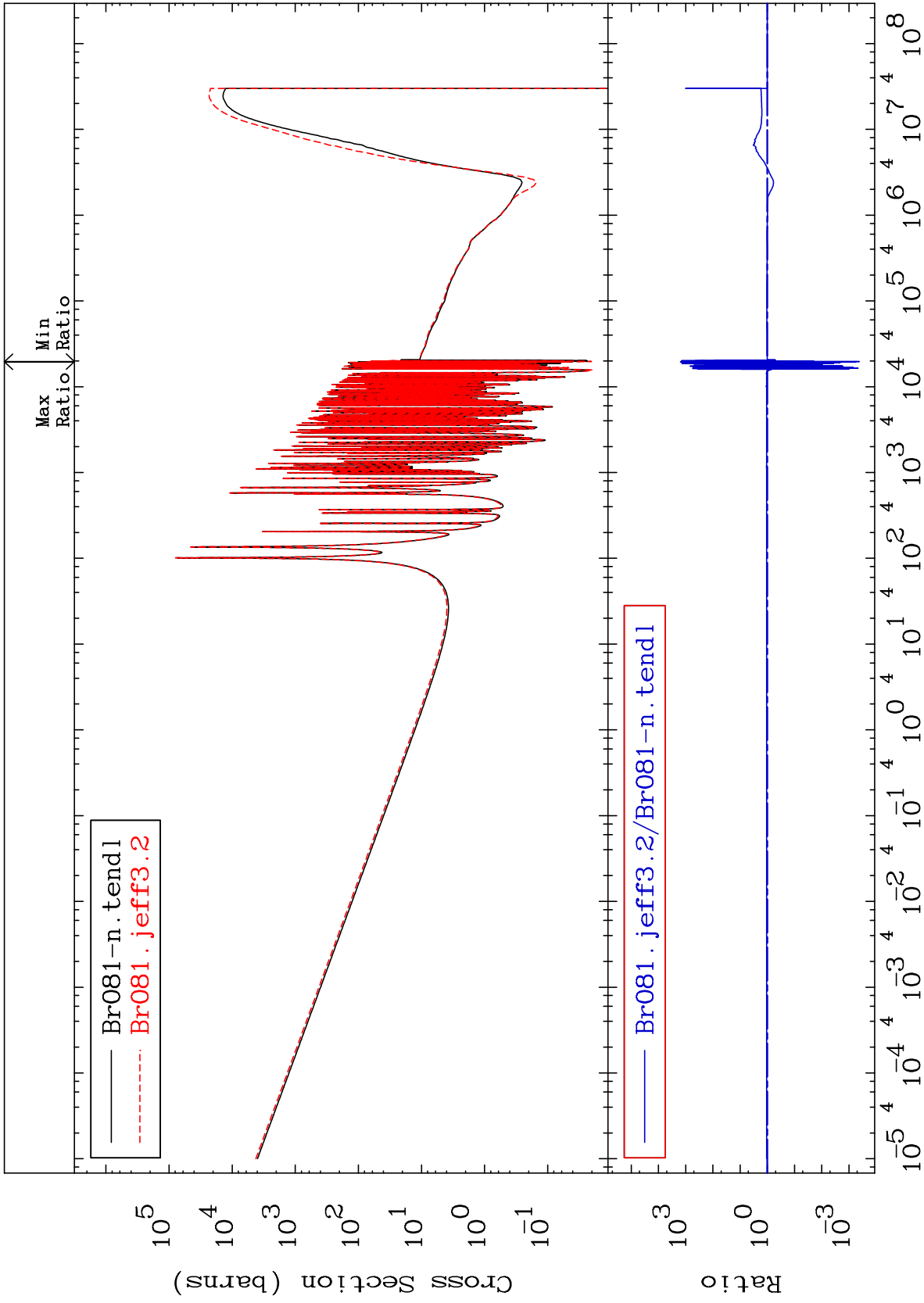


MAT 3531

Dpa inelastic (mt51-91)
Cross Section

35-Br-81
-0.899 To 232.5 %



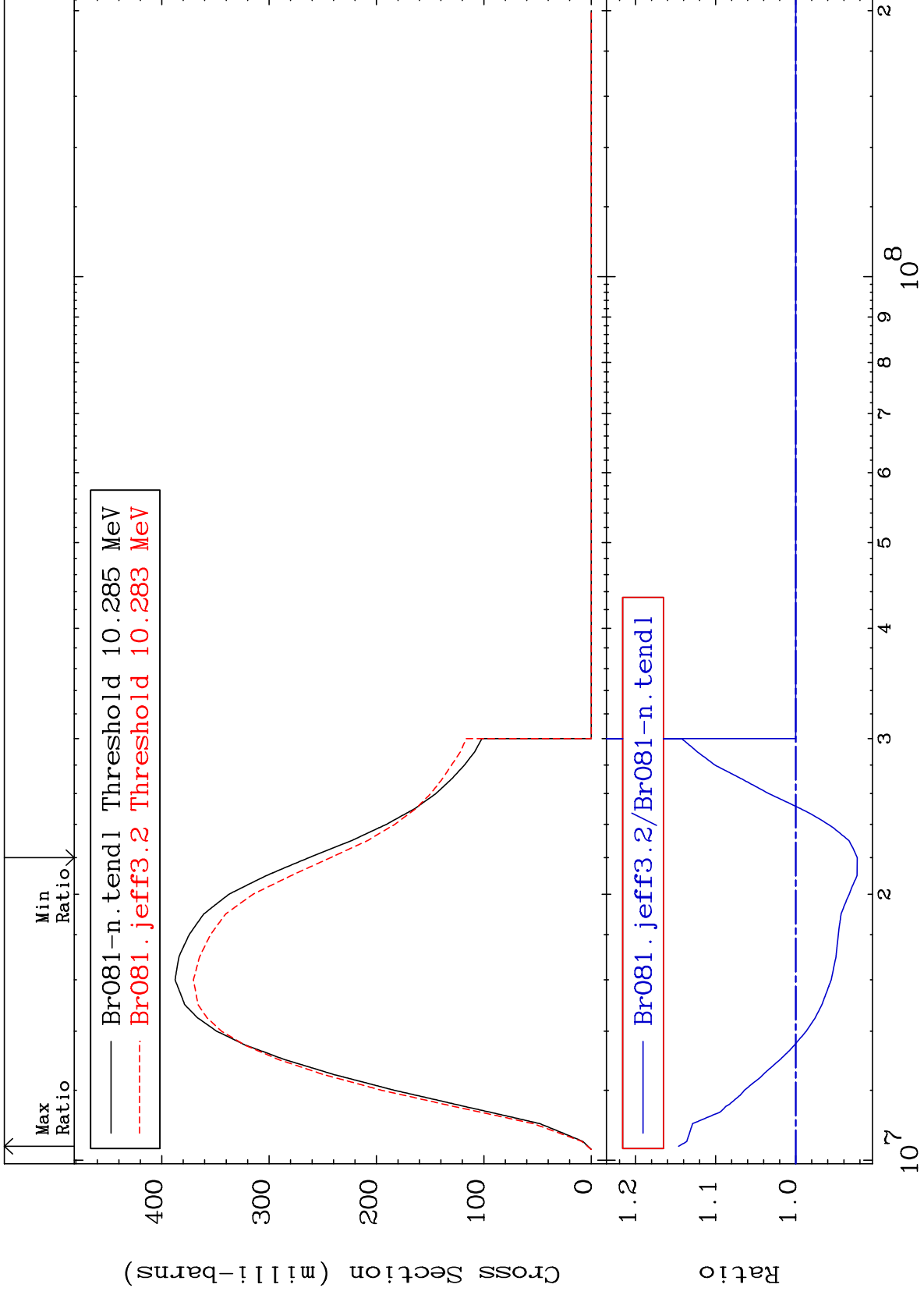


MAT 3531

(n,2n):35-Br-80g

35-Br-81

Radionuclide Production Cross Section -7.675 To 14.62 %



79 Incident Energy (eV)

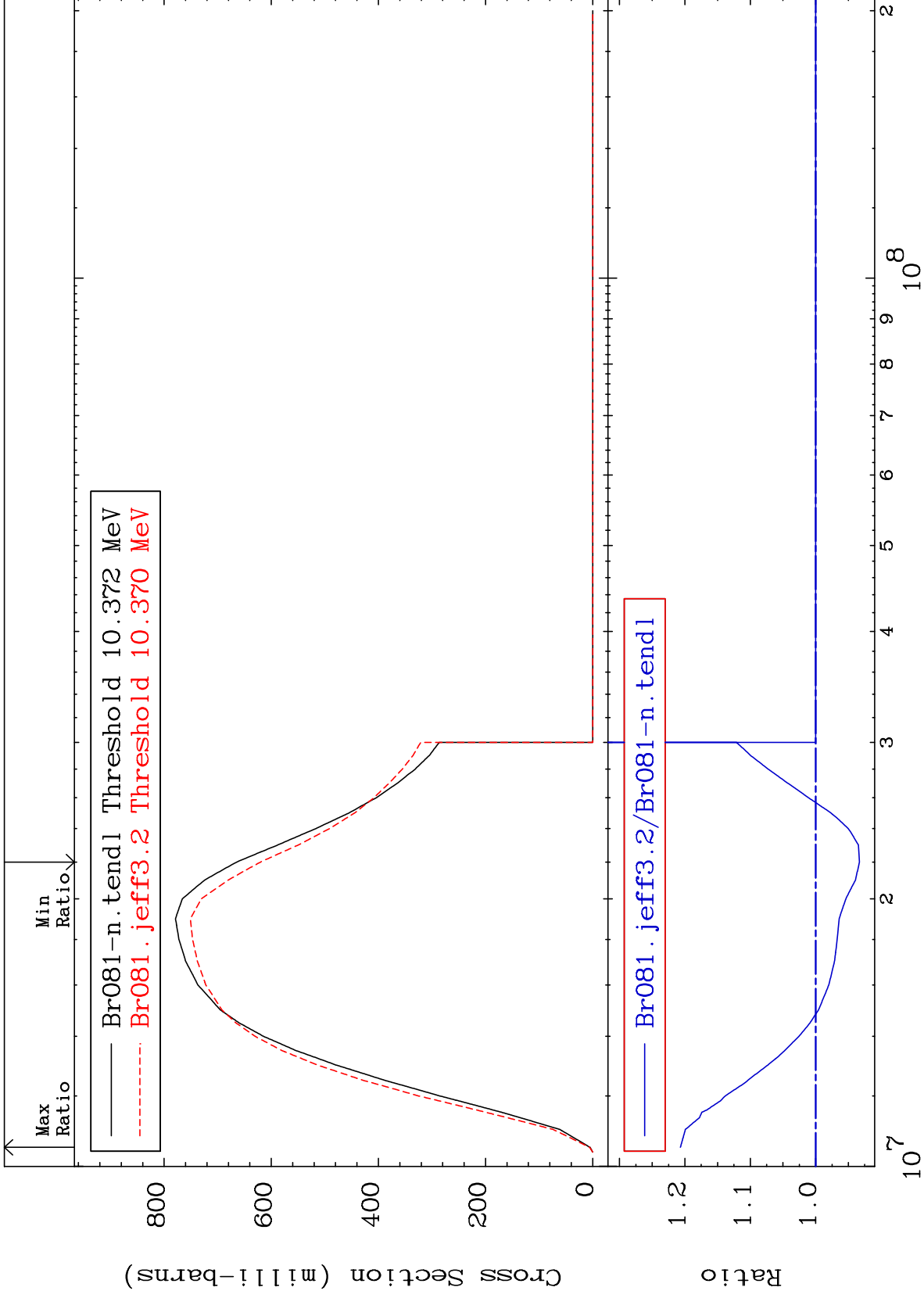
35-Br-81

MAT 3531

(n,2n):35-Br-80m2

35-Br-81

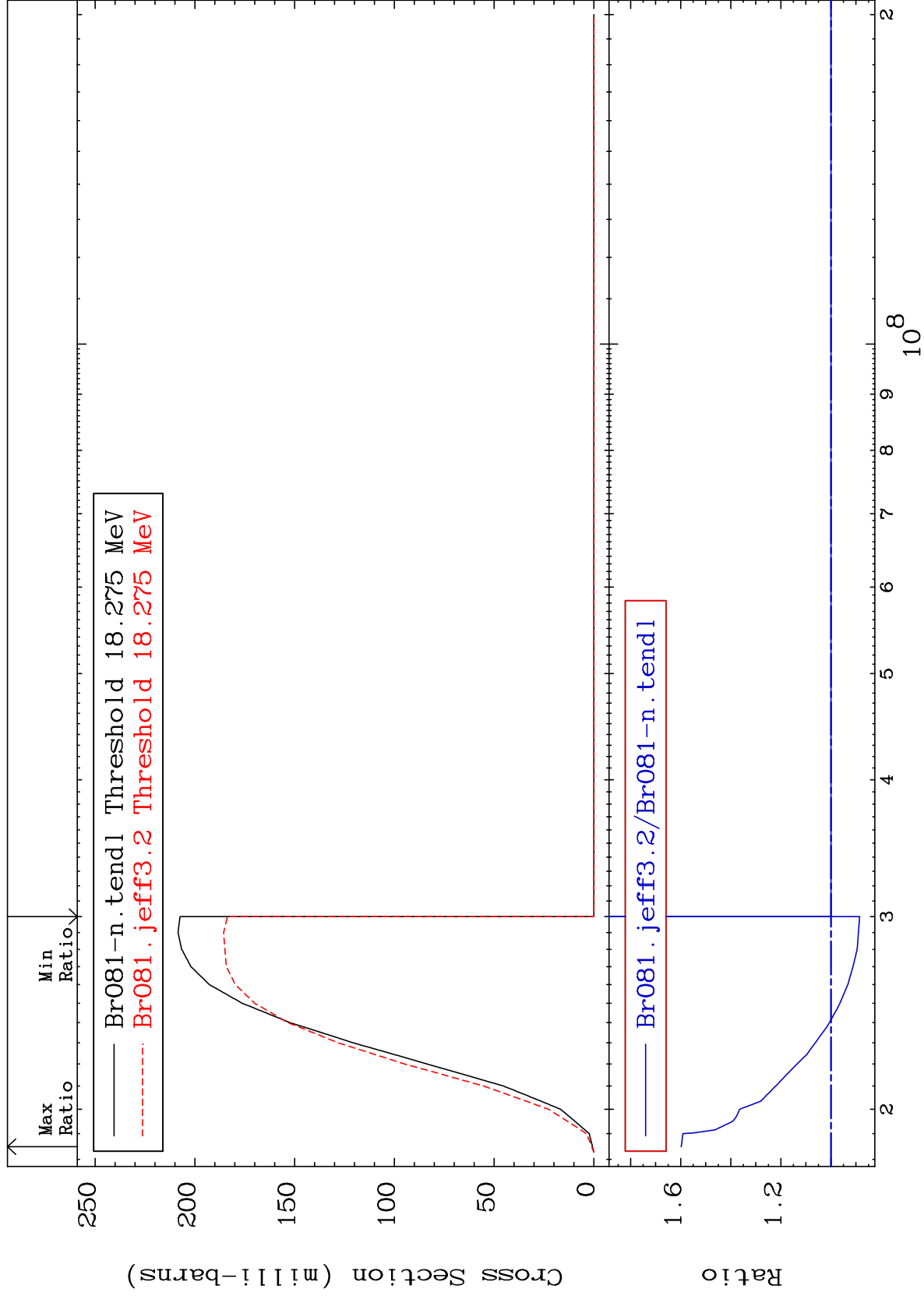
Radionuclide Production Cross Section -6.689 To 20.69 %



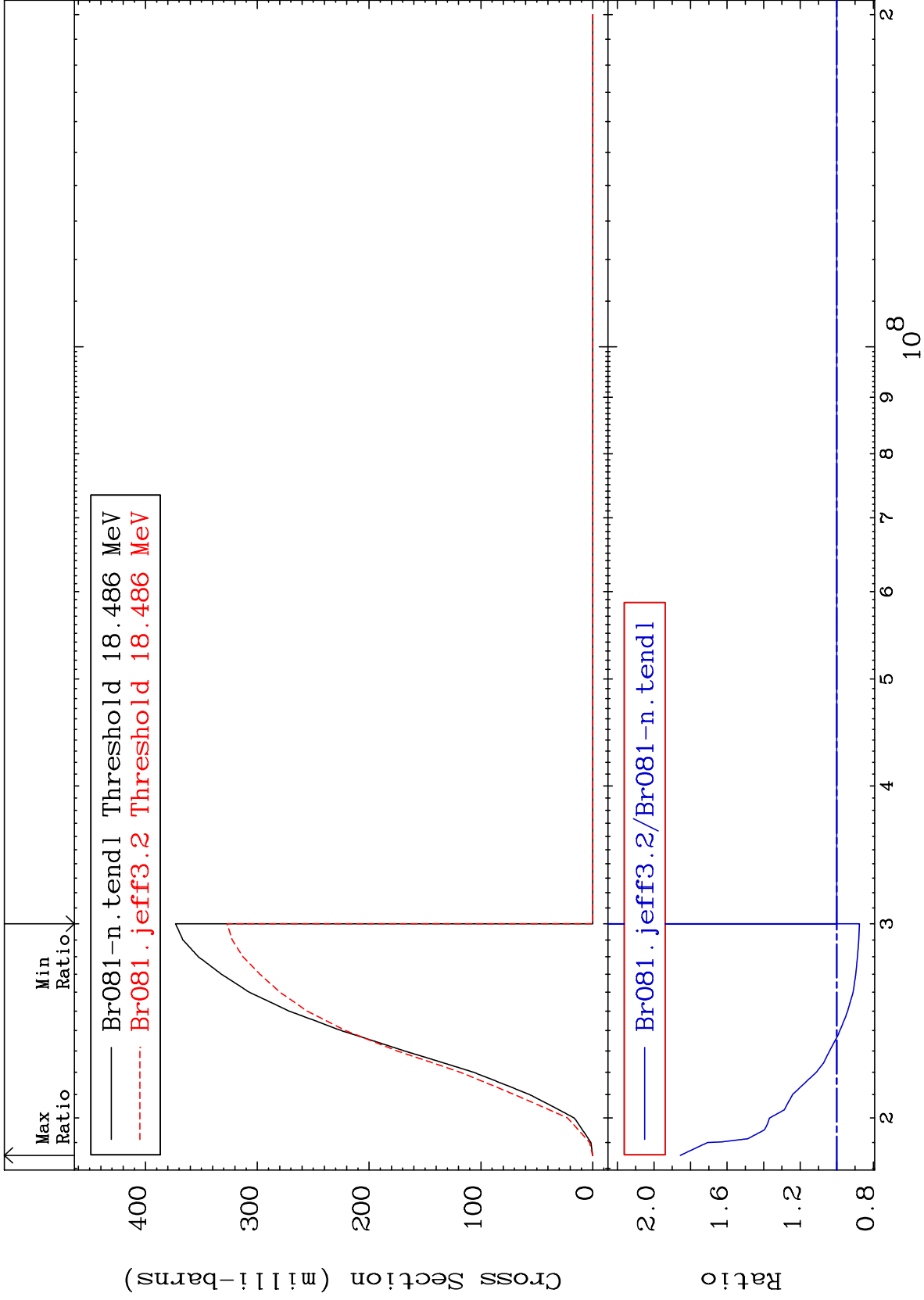
80

Incident Energy (eV)

35-Br-81



Radionuclide Production Cross Section -12.38 To 85.56 %

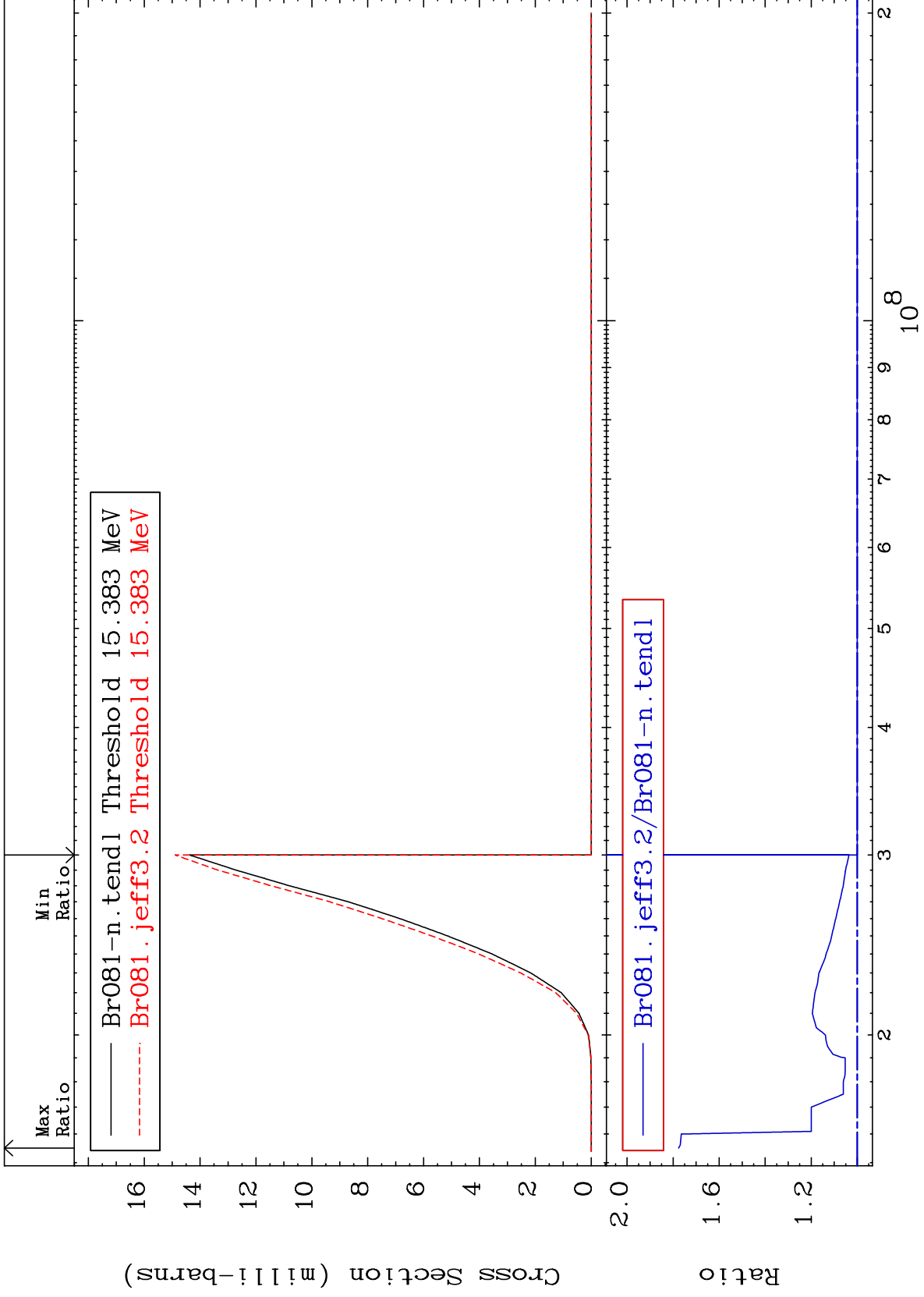


MAT 3531

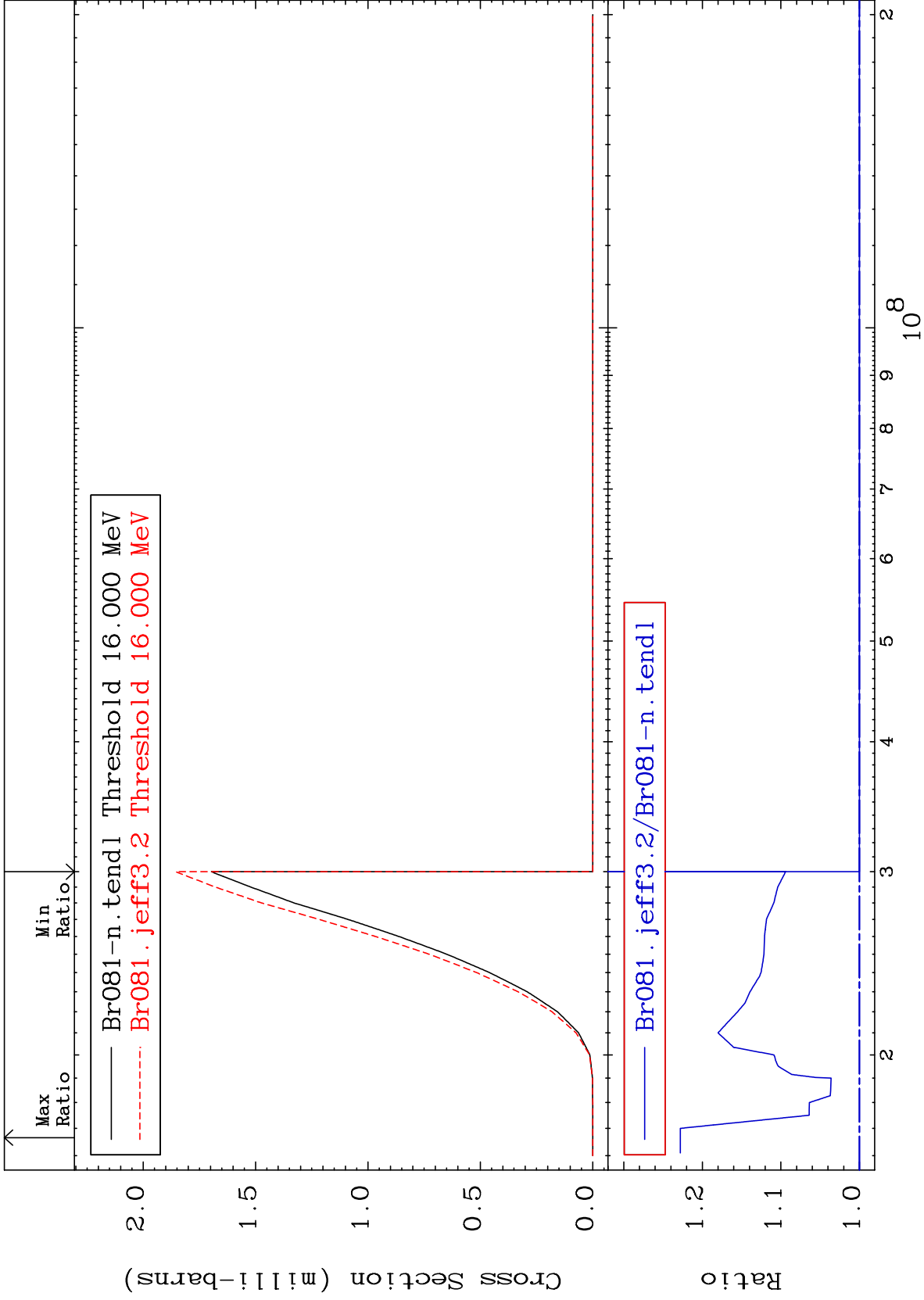
(n, n') d:34-Se-79g

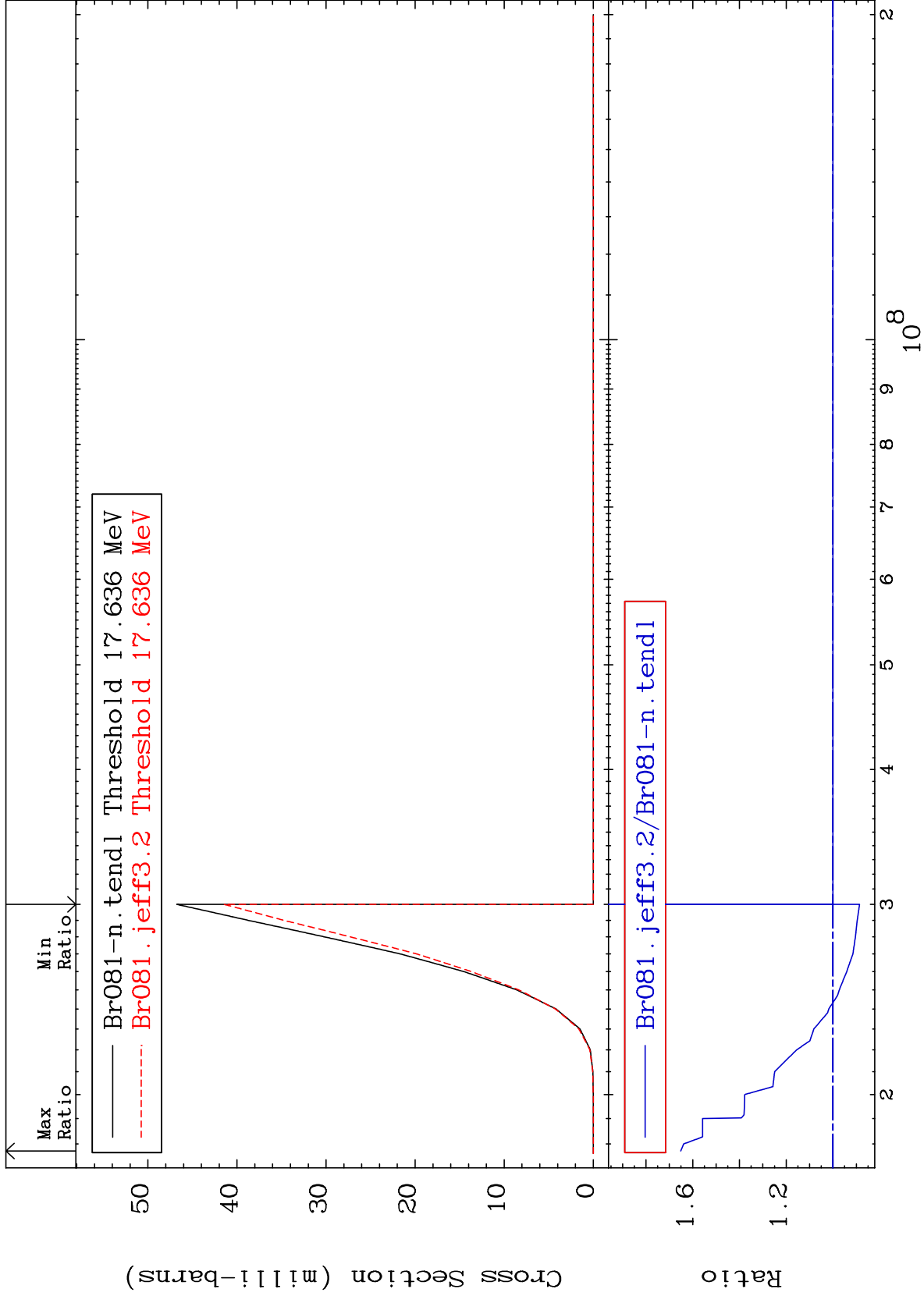
35-Br-81

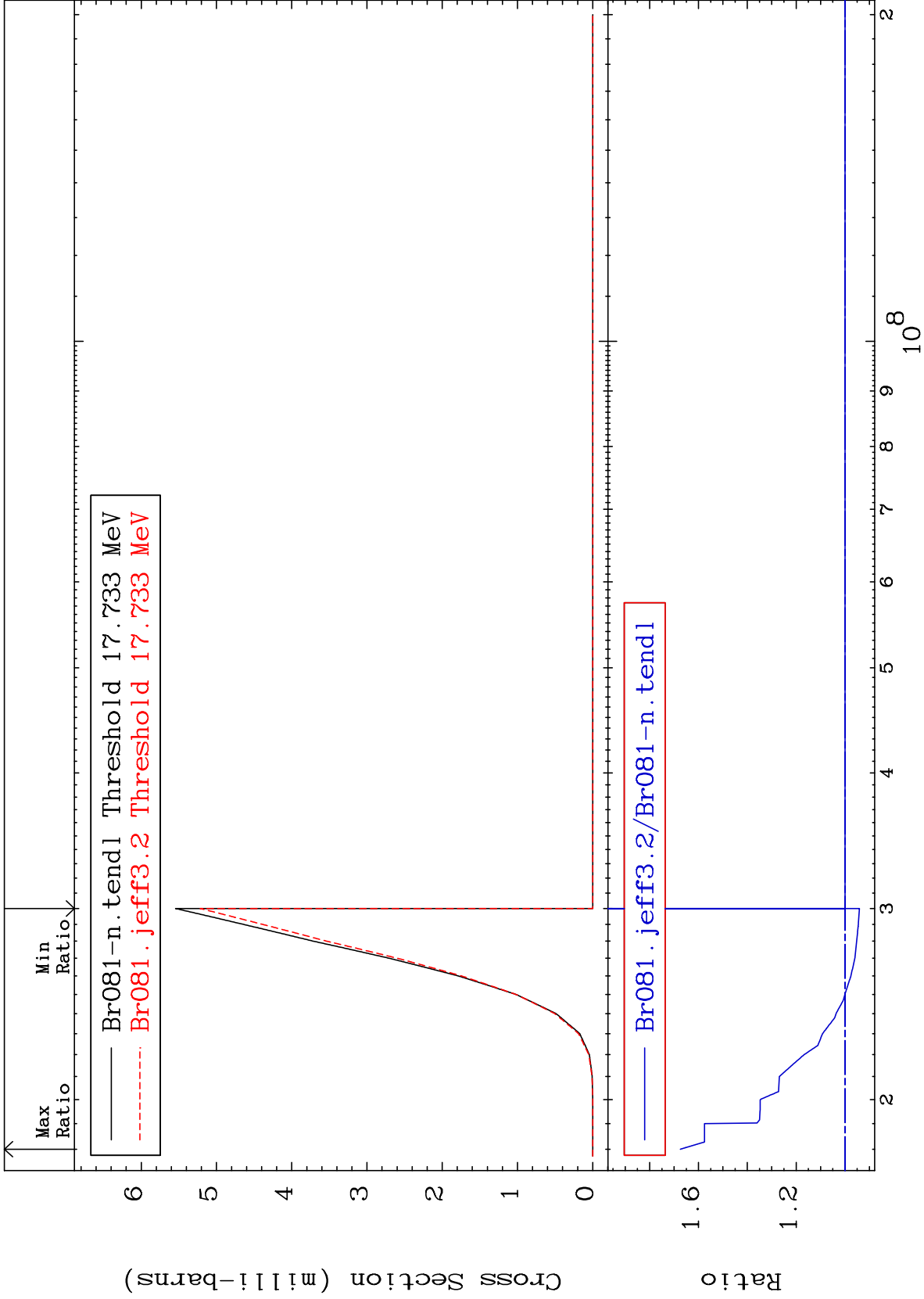
Radionuclide Production Cross Section 0.000 To 77.60 %



Radionuclide Production Cross Section 0.000 To 22.79 %

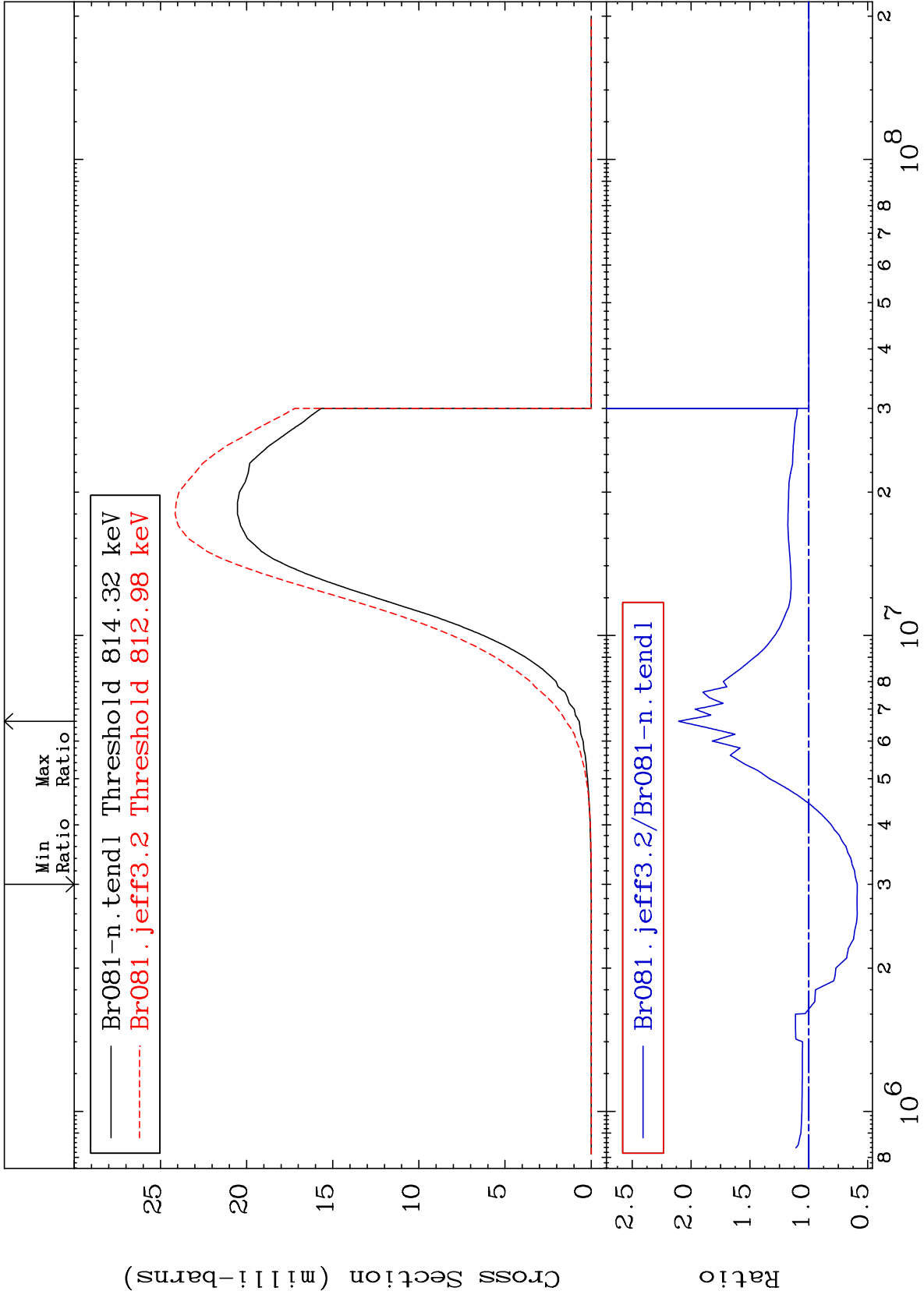






MAT 3531

(n, p) : 34-Se-81g 35-Br-81
Radionuclide Production Cross Section -41.11 To 110.6 %



87

Incident Energy (eV)

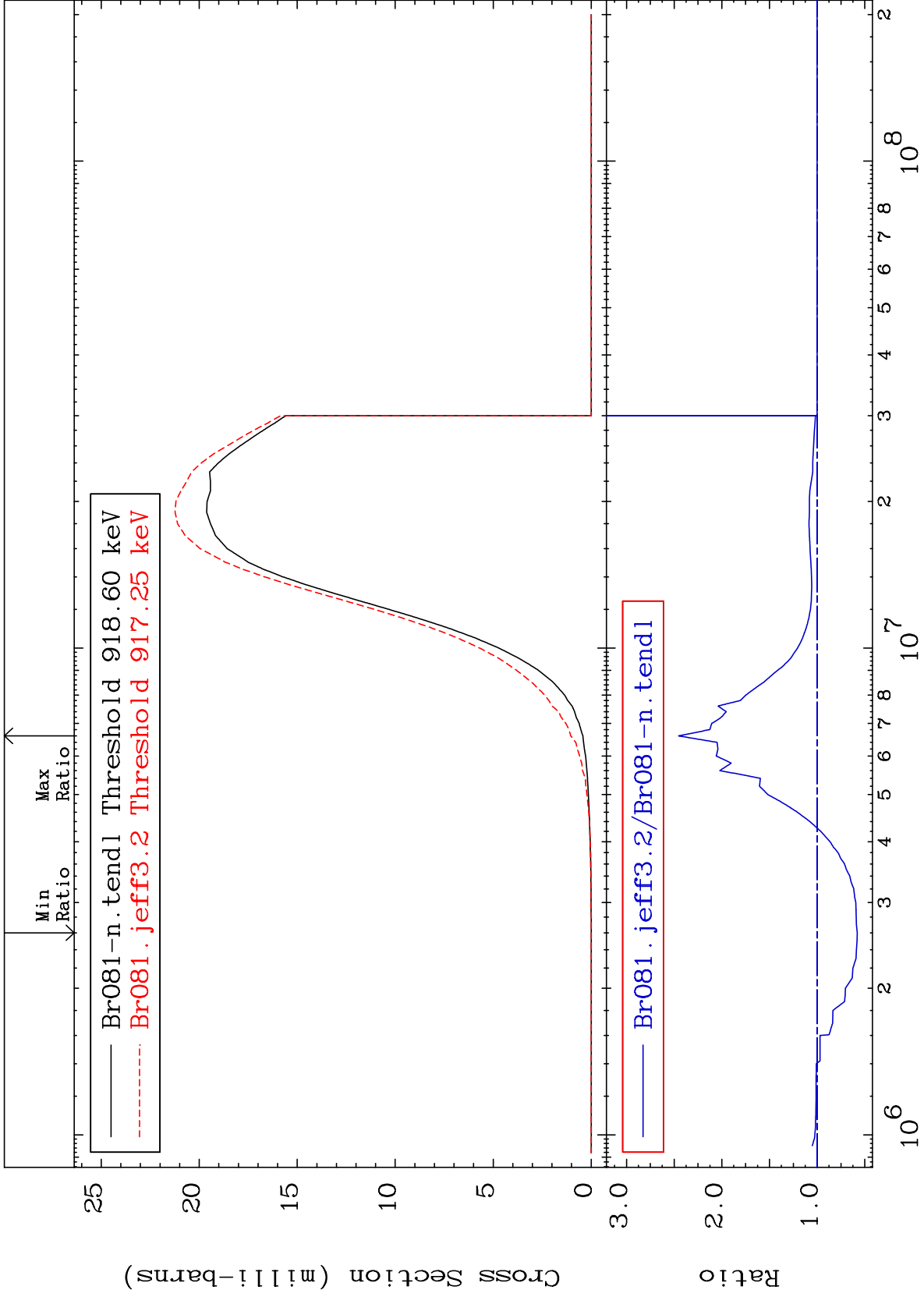
35-Br-81

MAT 3531

(n, p) : 34-Se-81m1

35-Br-81

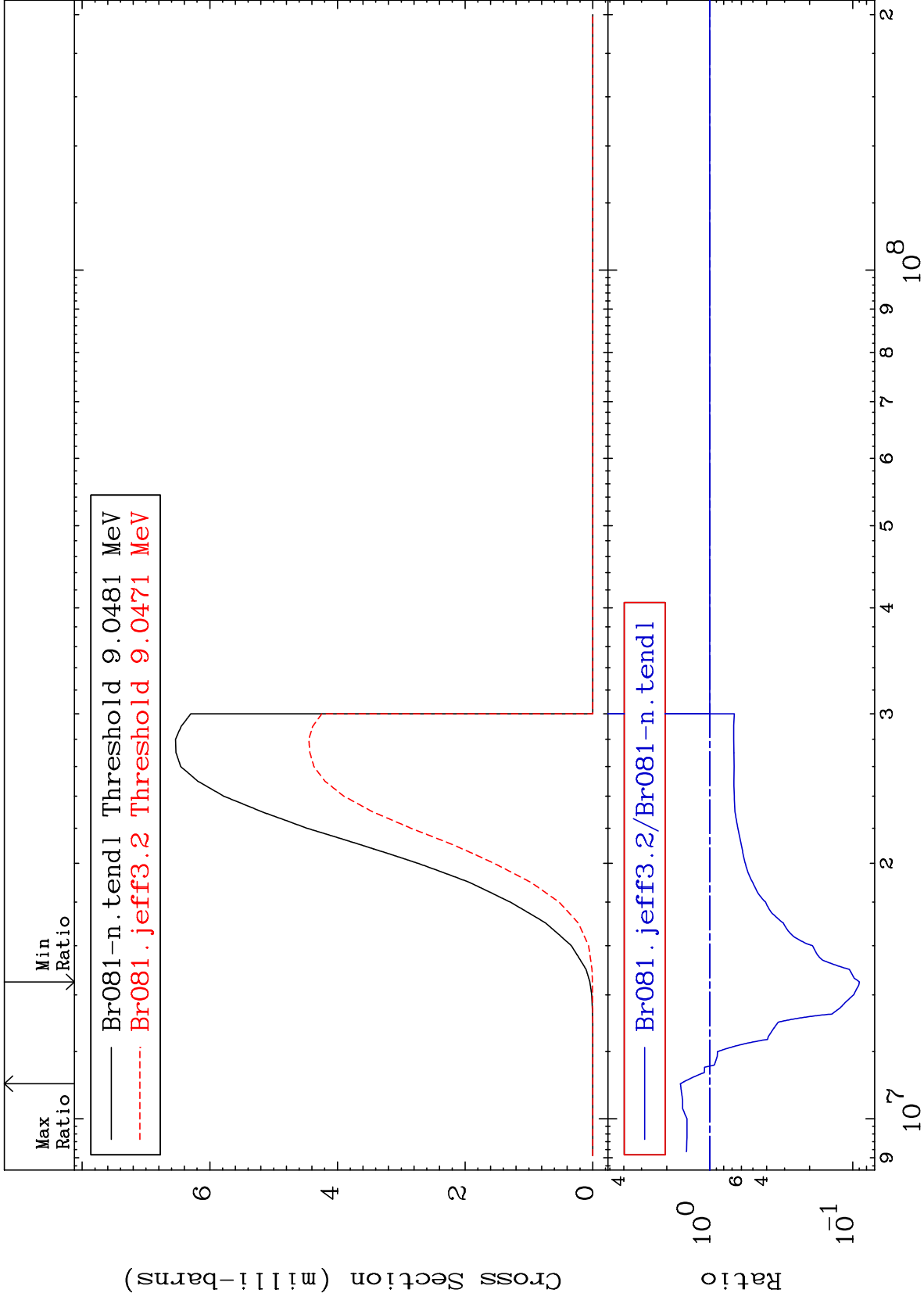
Radionuclide Production Cross Section -42.07 To 145.3 %



88

Incident Energy (eV)

35-Br-81

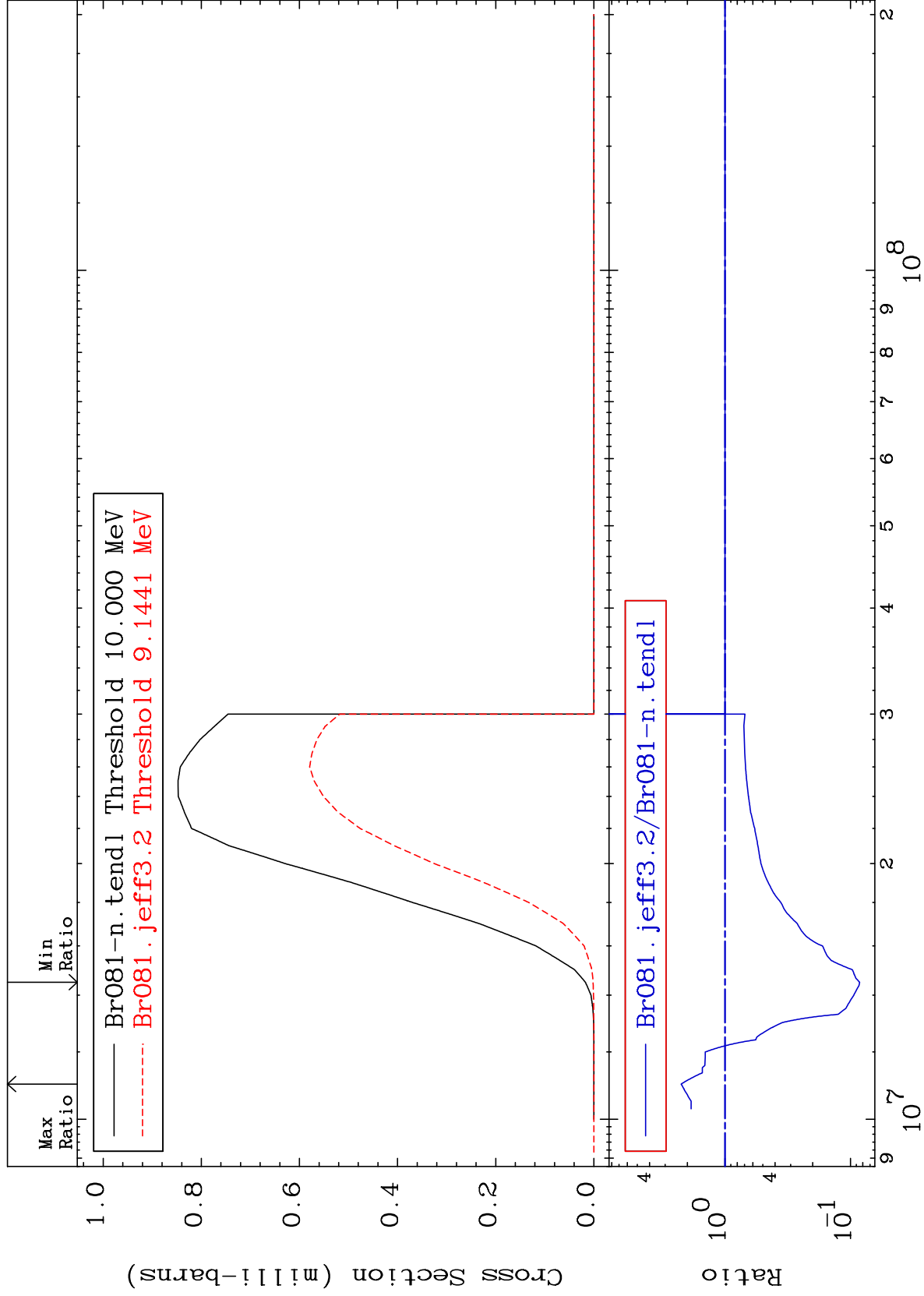


MAT 3531

(n, t) : 34-Se-79m1

35-Br-81

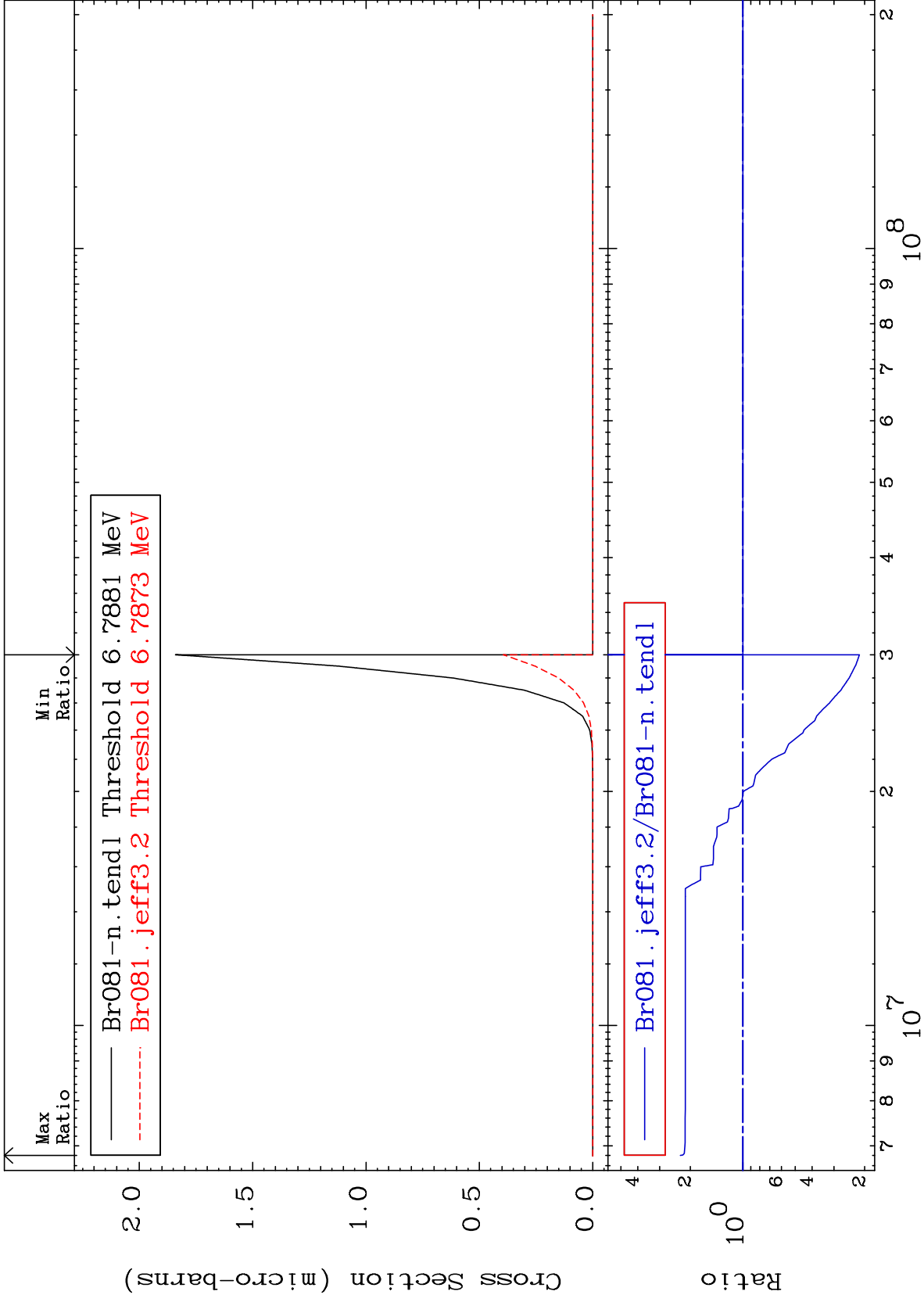
Radionuclide Production Cross Section -91.54 To 123.7 %



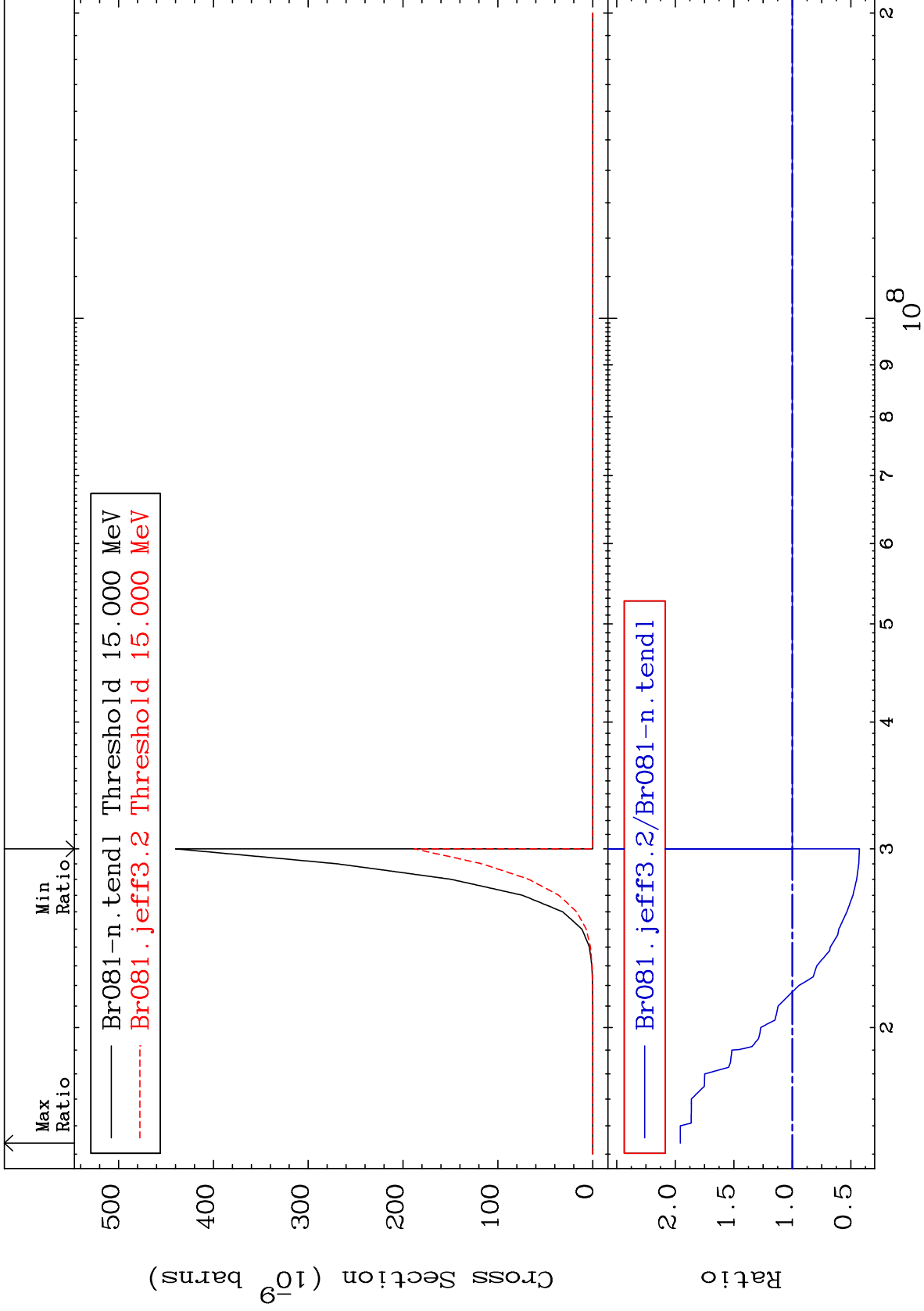
90

Incident Energy (eV)

35-Br-81



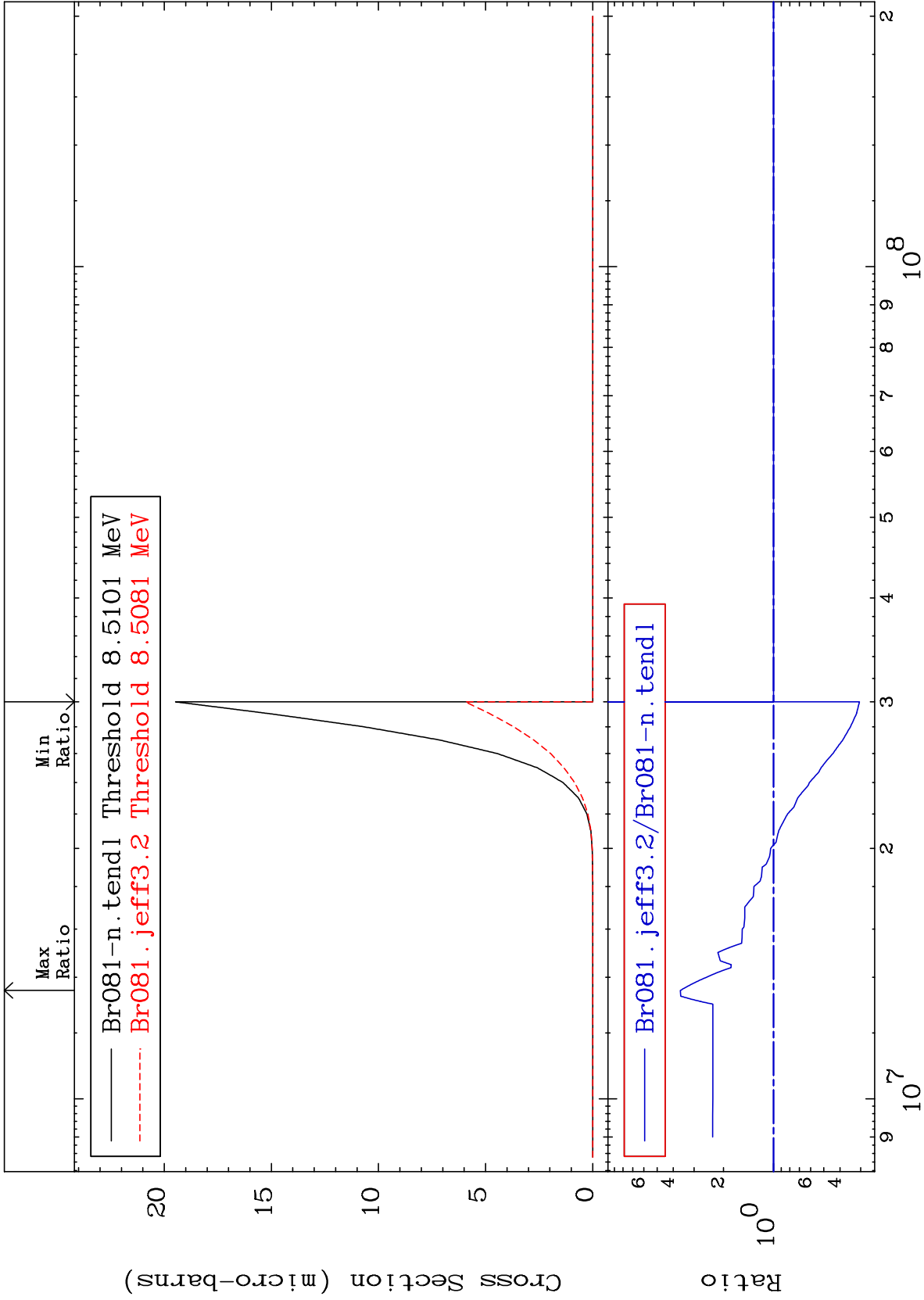
Radionuclide Production Cross Section -57.25 To 95.63 %



MAT 3531

35-Br-81

(n, p) α : 32-Ge-77g -69.44 To 262.5 %
Radionuclide Production Cross Section



93

Incident Energy (eV)

35-Br-81

Radionuclide Production Cross Section -26.04 To 124.2 %

