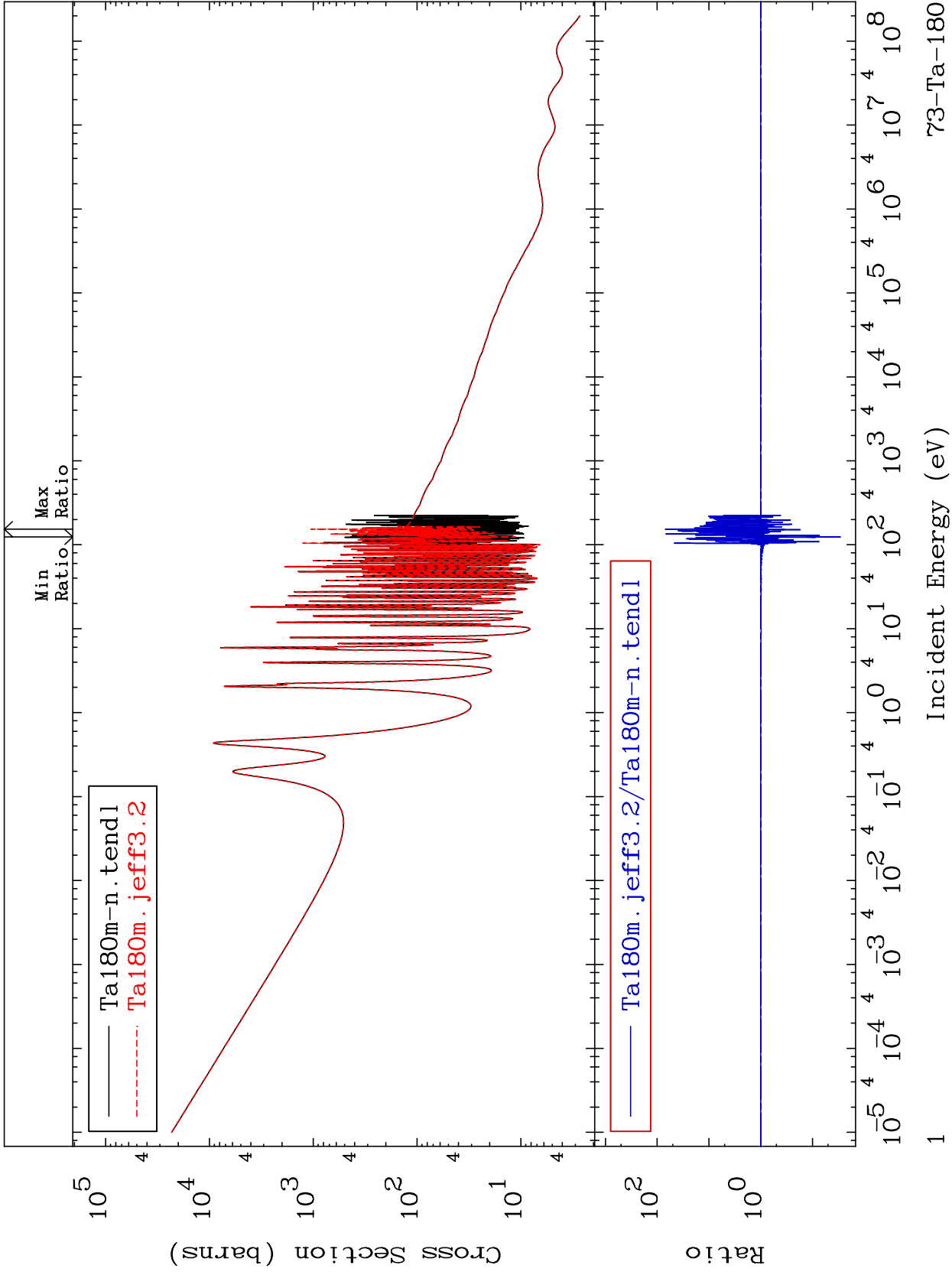


MAT 7326

Total Cross Section
73-Ta-180
-97.14 To 6809. %

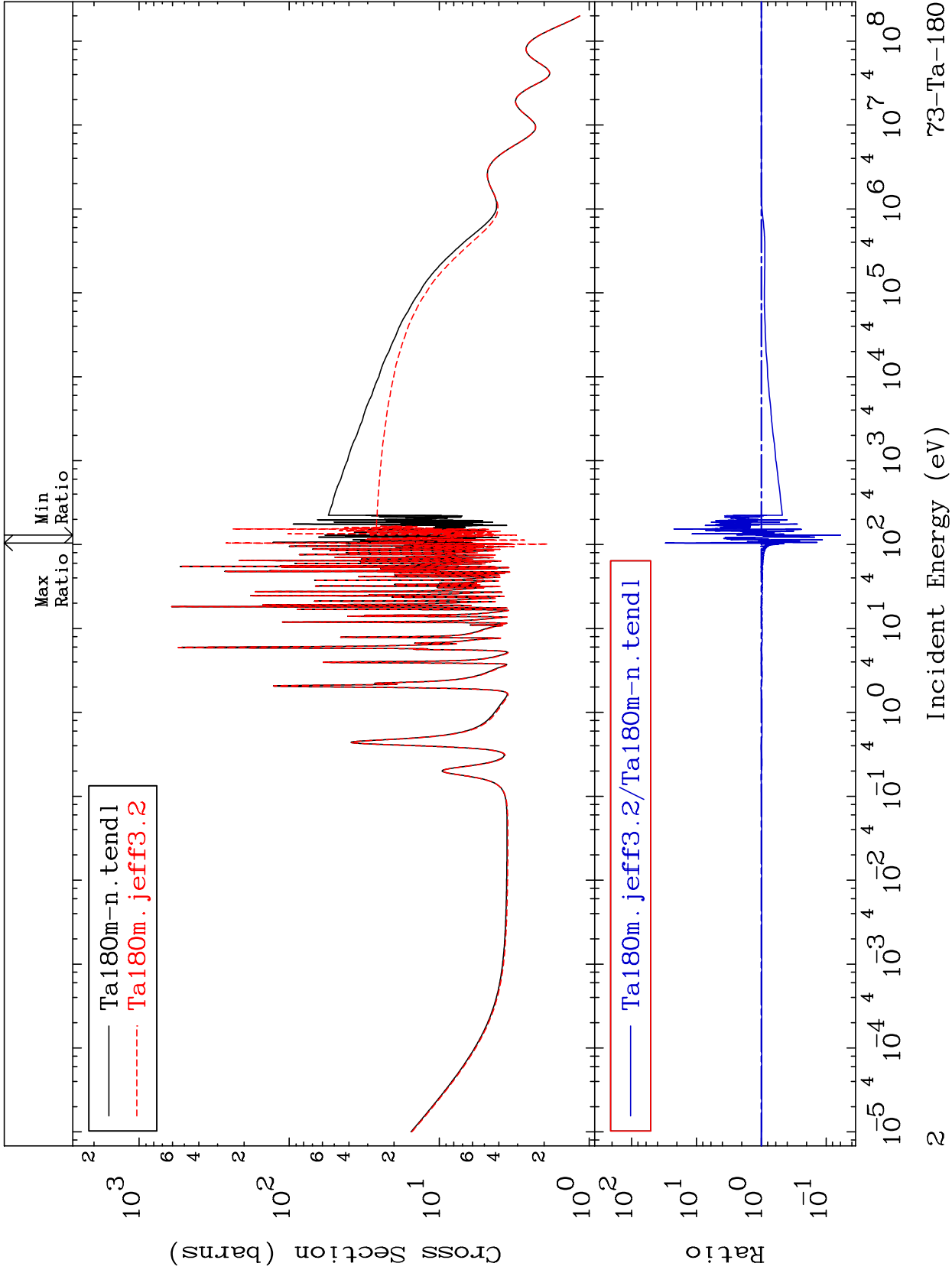


73-Ta-180

MAT 7326

Elastic
Cross Section

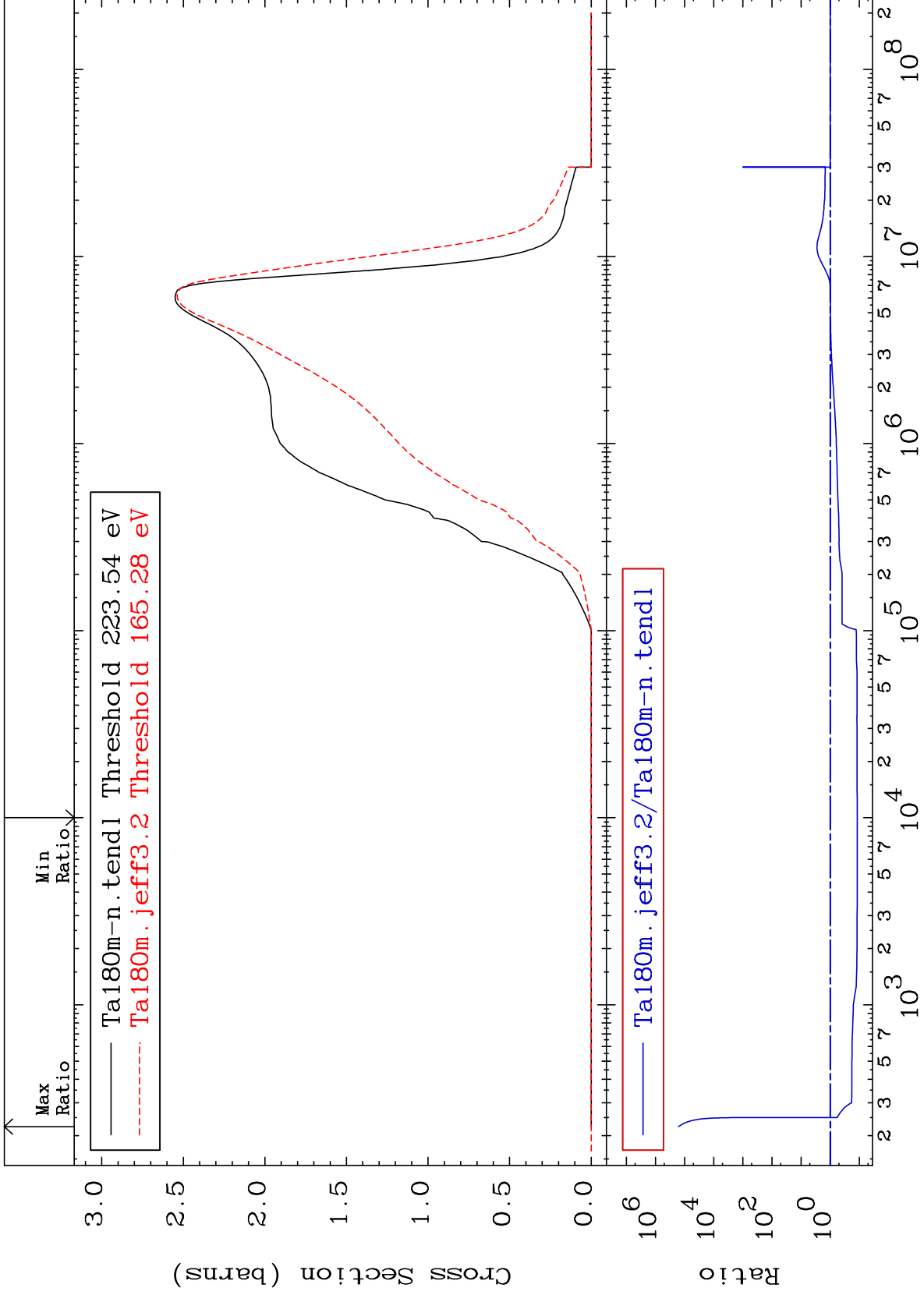
⁷³Ta-180
-94.02 To 2903. %



MAT 7326

Inelastic
Cross Section

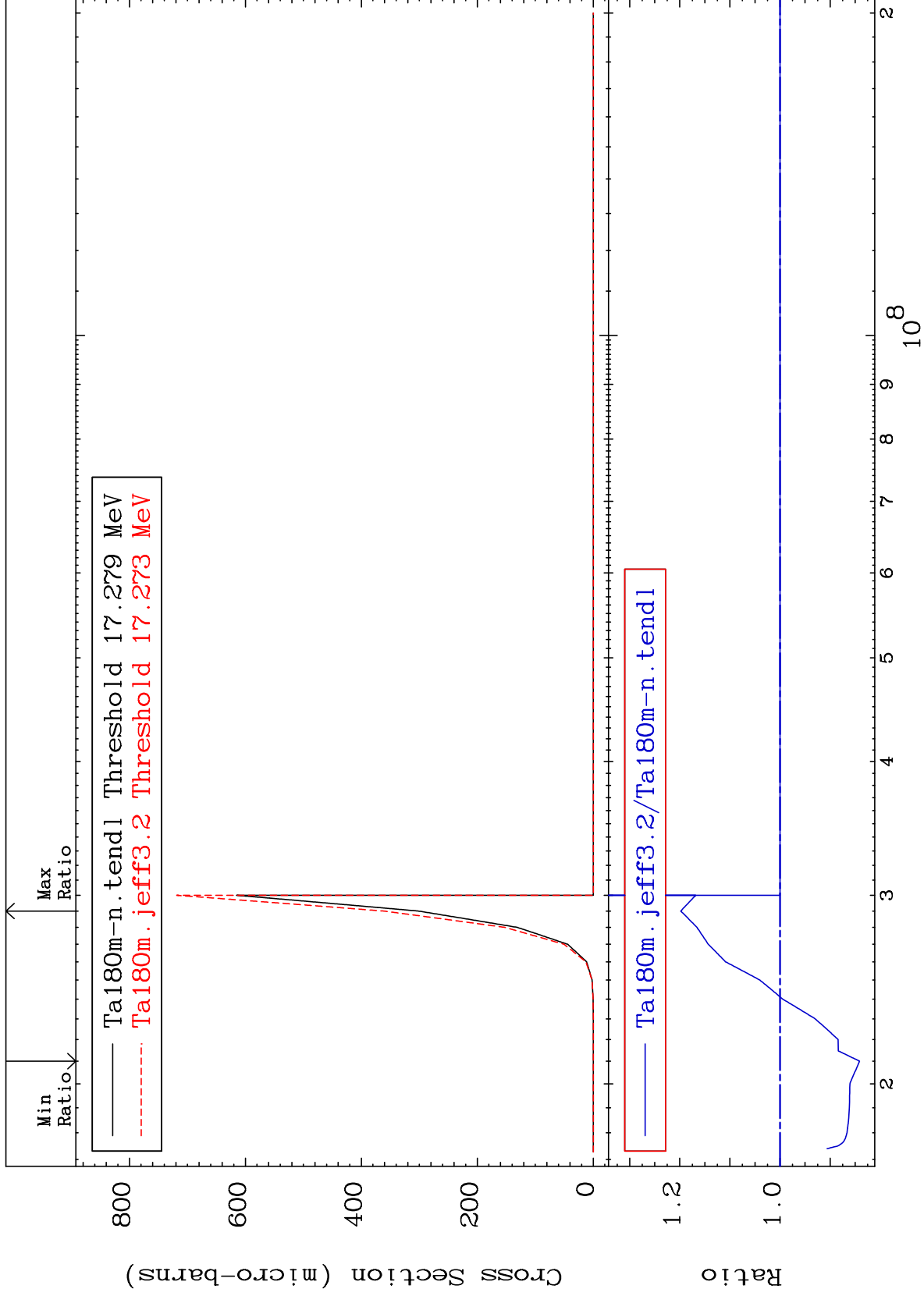
⁷³Ta-180
-88.16 To 9999. %



MAT 7326

(n,2n) d
Cross Section

⁷³Ta-180
-15.87 To 19.80 %



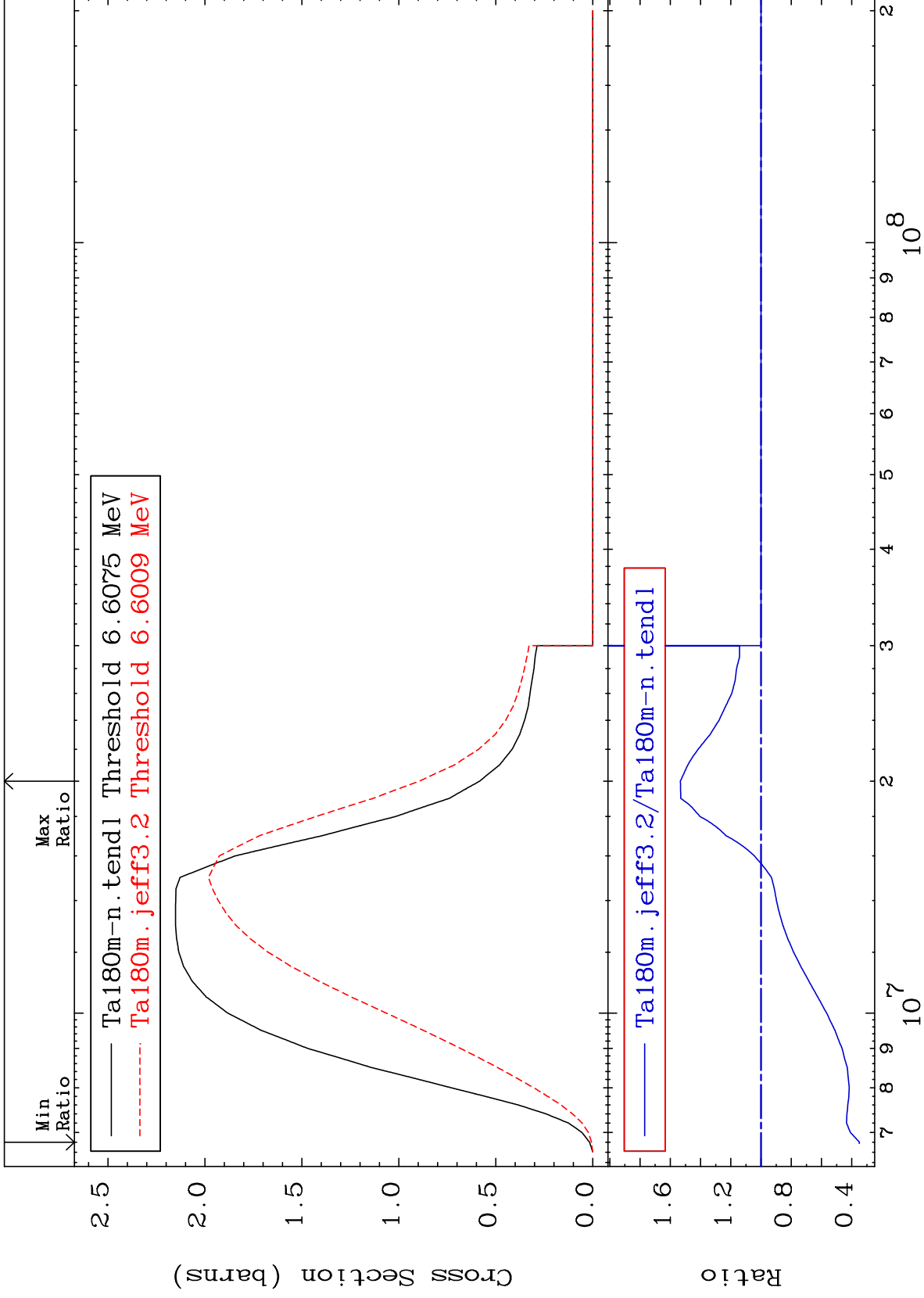
MAT 7326

(n,2n)

⁷³Ta-180

Cross Section

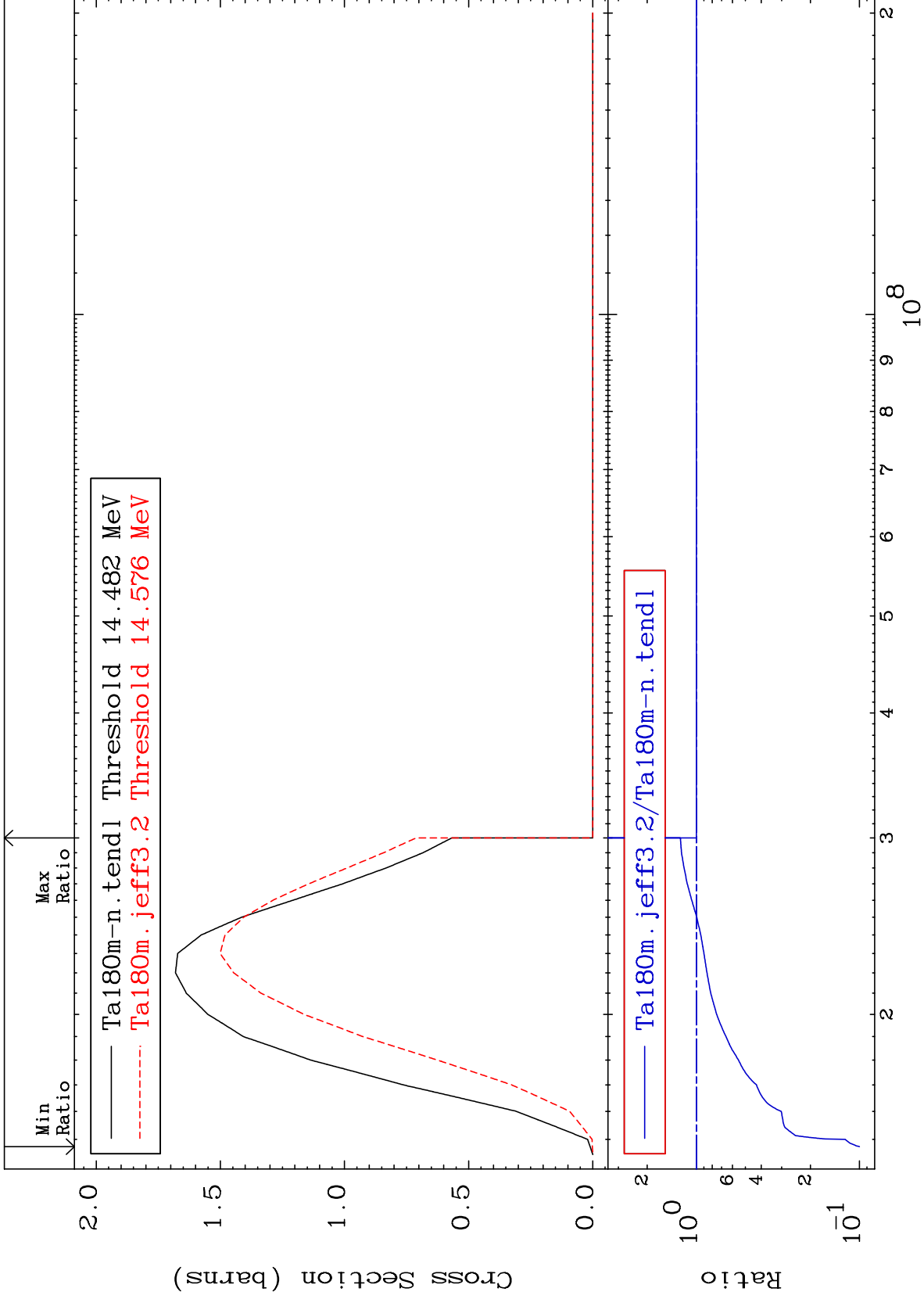
-65.08 To 53.35 %



5

Incident Energy (eV)

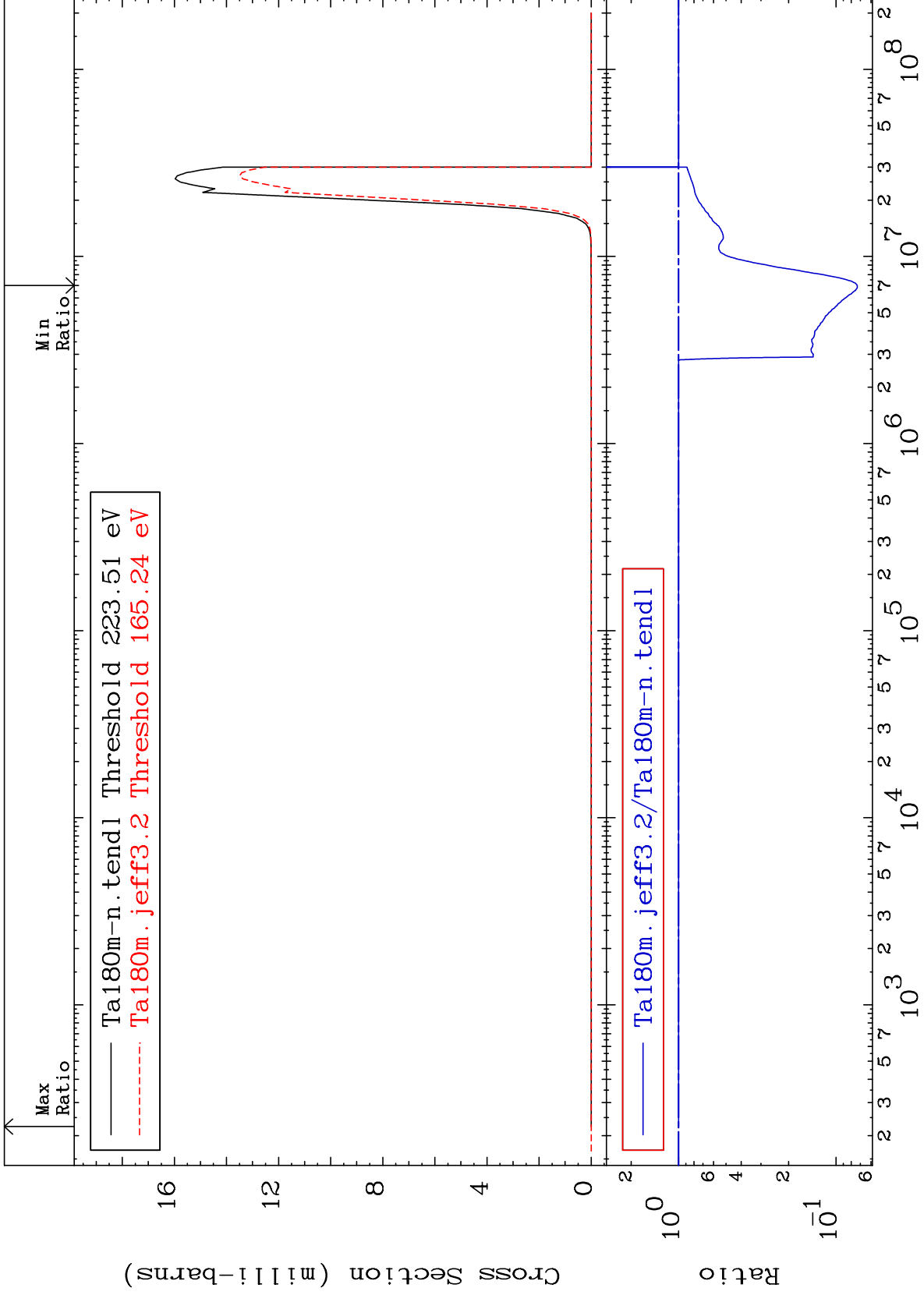
⁷³Ta-180



MAT 7326

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

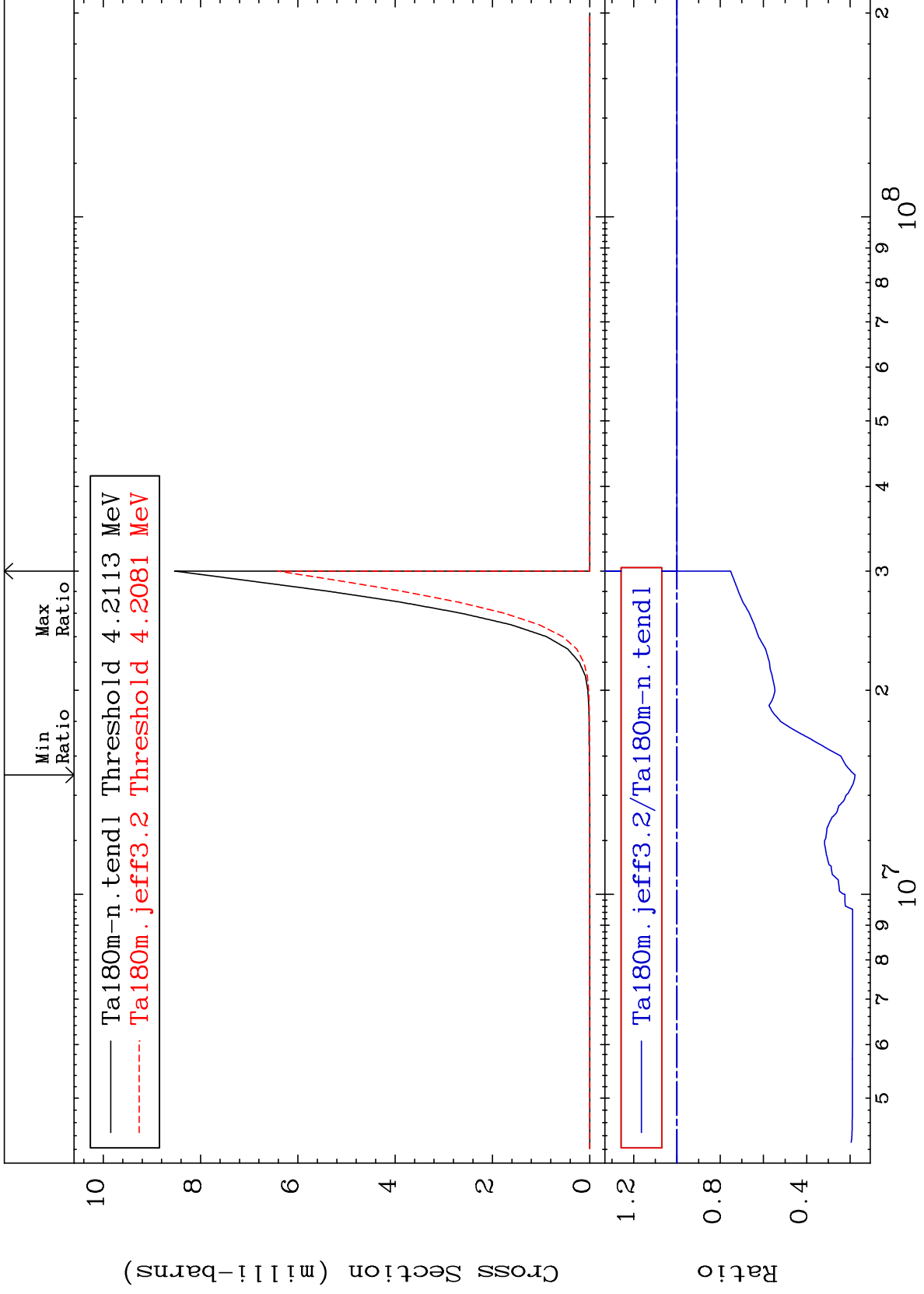
$^{73}\text{Ta-180}$
-92.67 To 0.000 %



MAT 7326

(n,2n) α
Cross Section

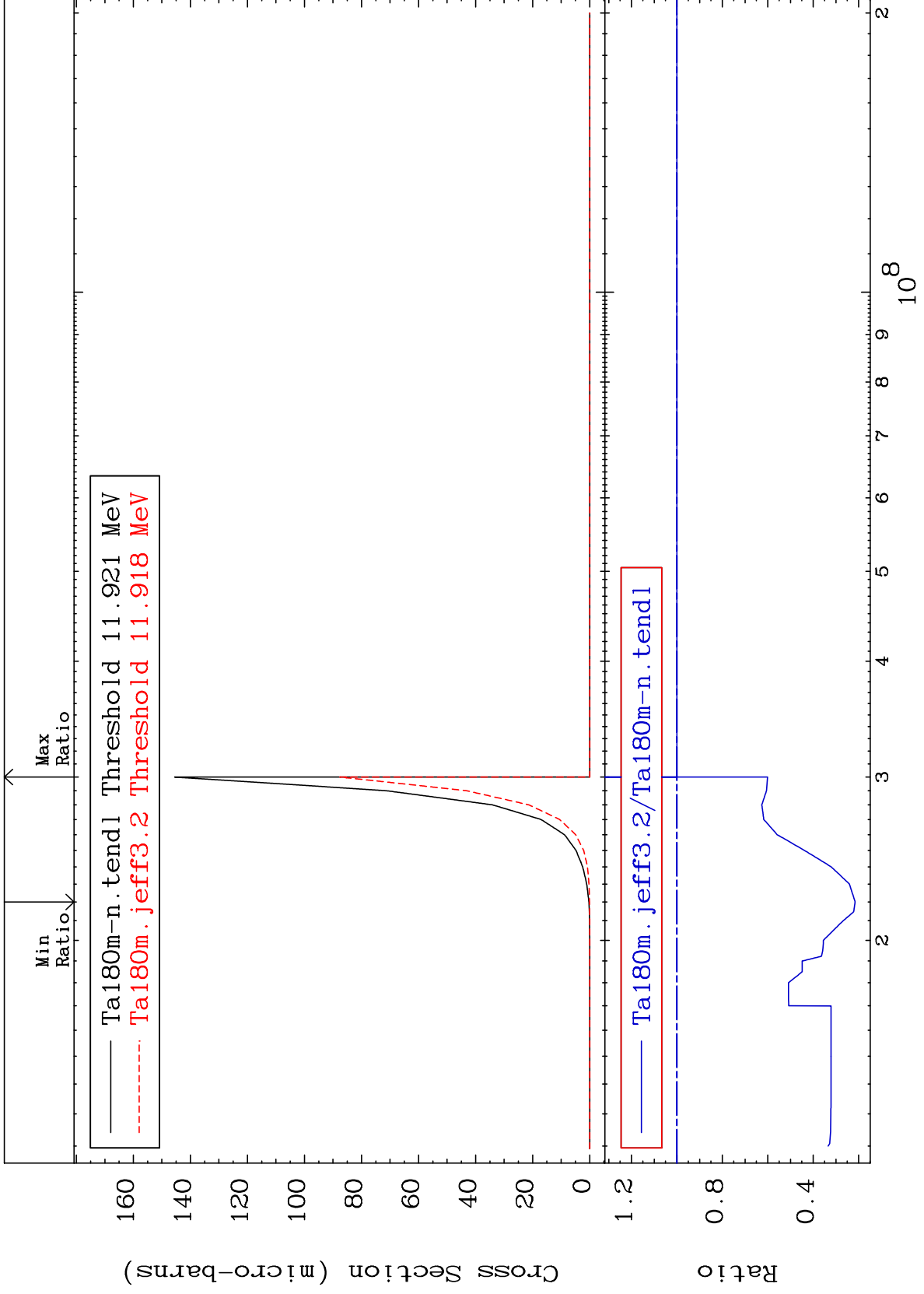
⁷³Ta-¹⁸⁰Ta
-82.35 To 0.000 %



MAT 7326

(n,3n) α
Cross Section

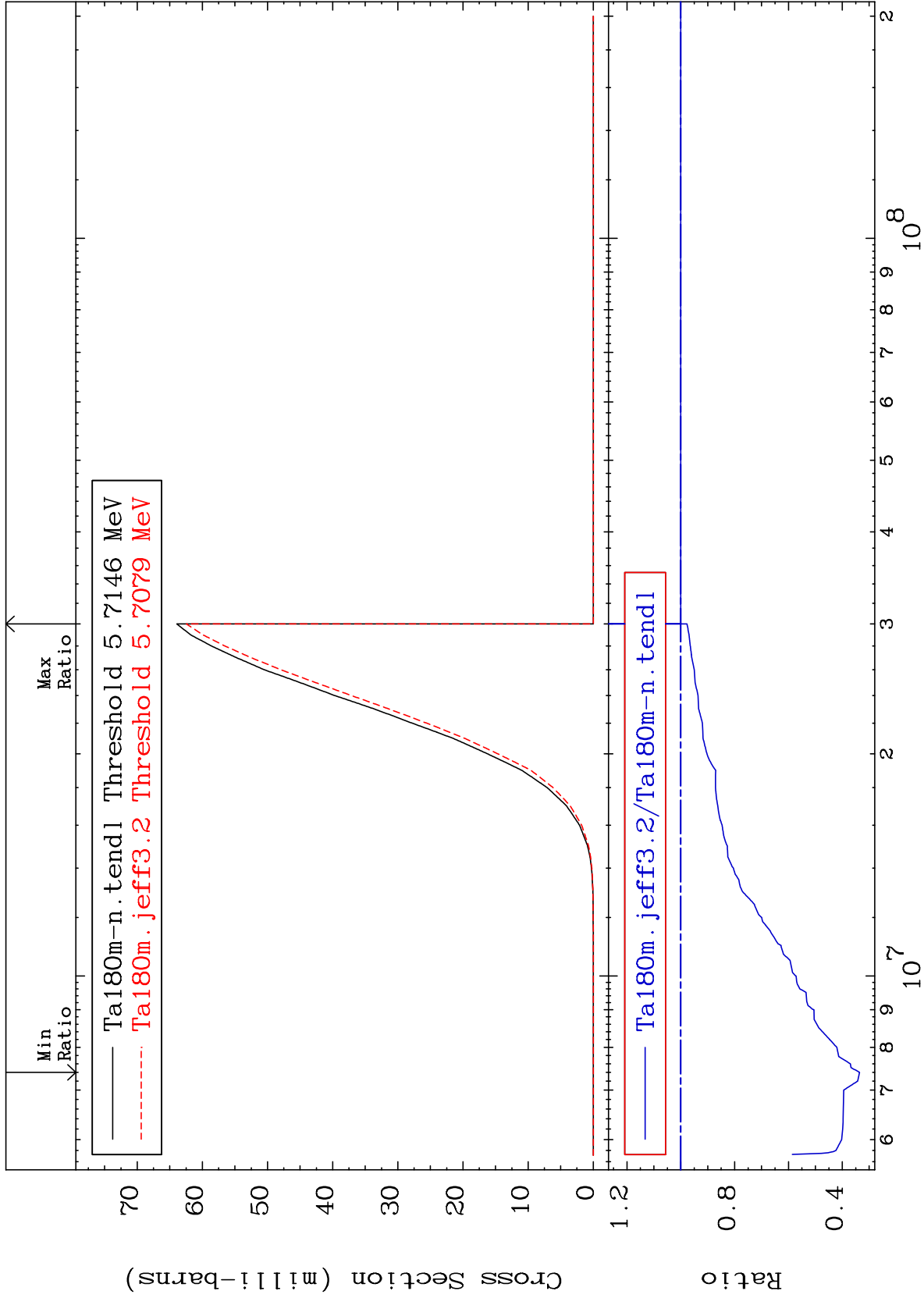
⁷³Ta-¹⁸⁰Ta
-78.44 To 0.000 %



MAT 7326

(n, n') p
Cross Section

⁷³Ta-¹⁸⁰Ta
-66.41 To 0.000 %



10

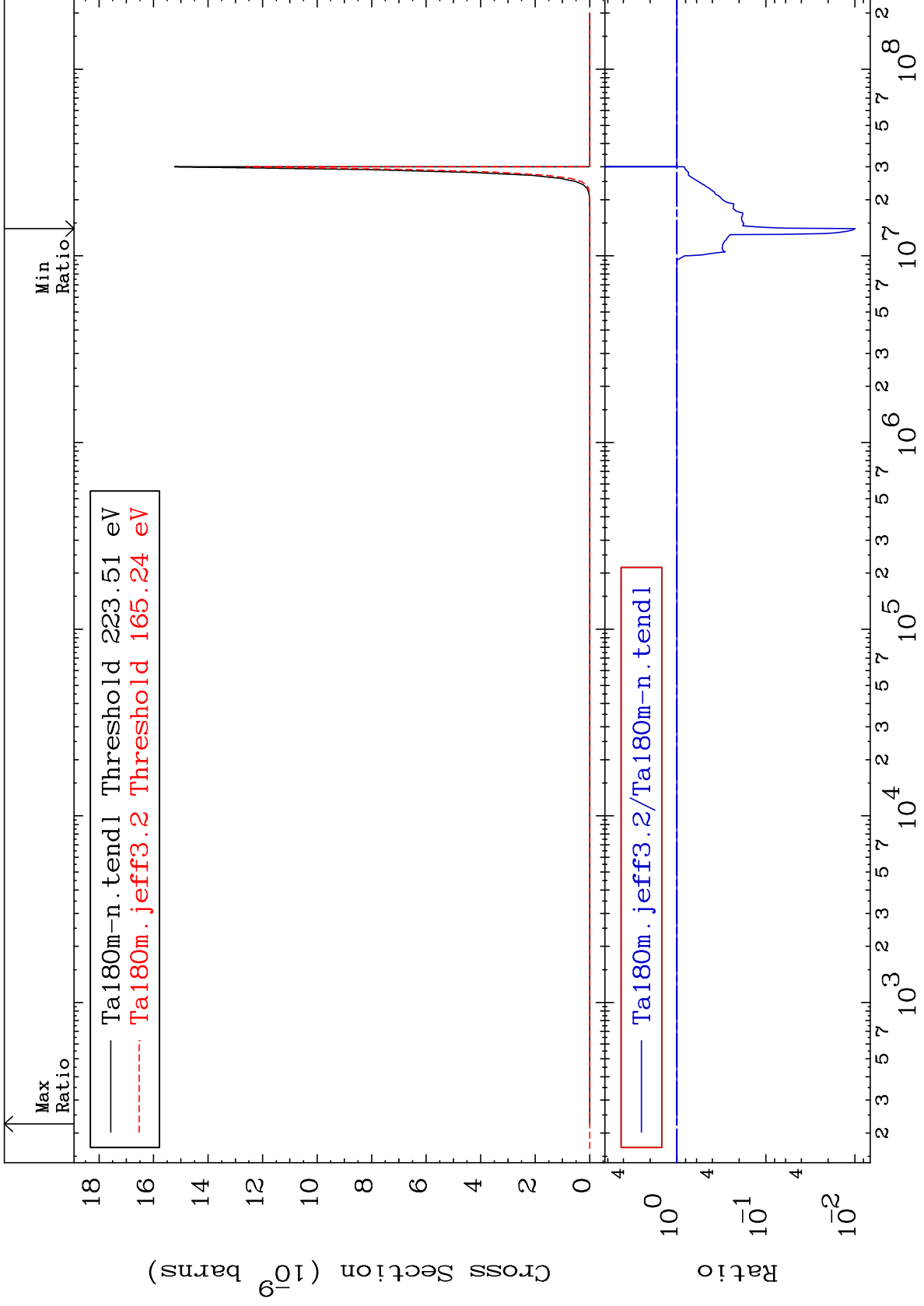
Incident Energy (eV)

⁷³Ta-¹⁸⁰Ta

MAT 7326

(n, n') 2α
Cross Section

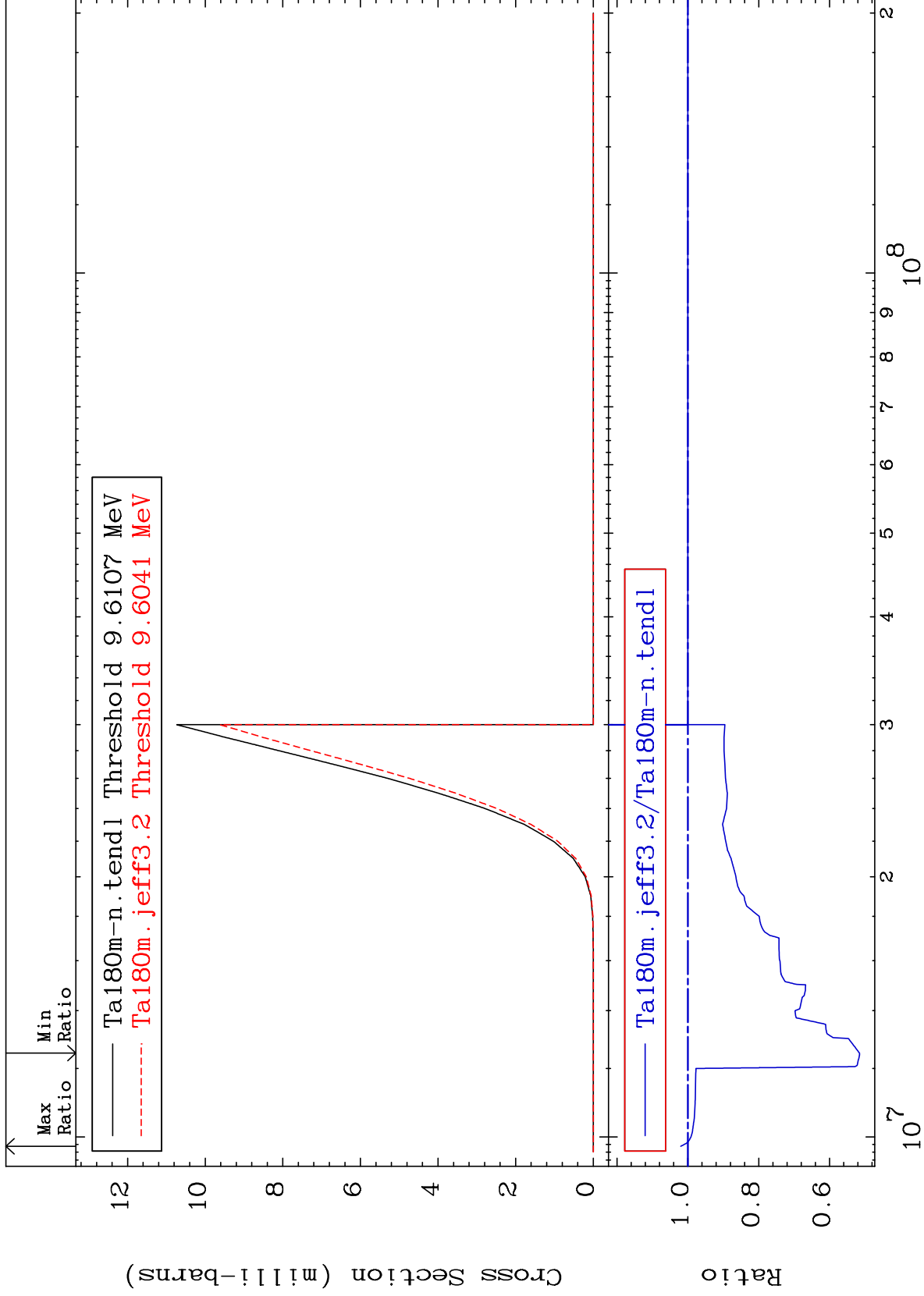
73-Ta-180
-99.01 To 0.000 %



MAT 7326

(n,n') d
Cross Section

⁷³Ta-180
-48.49 To 2.013 %

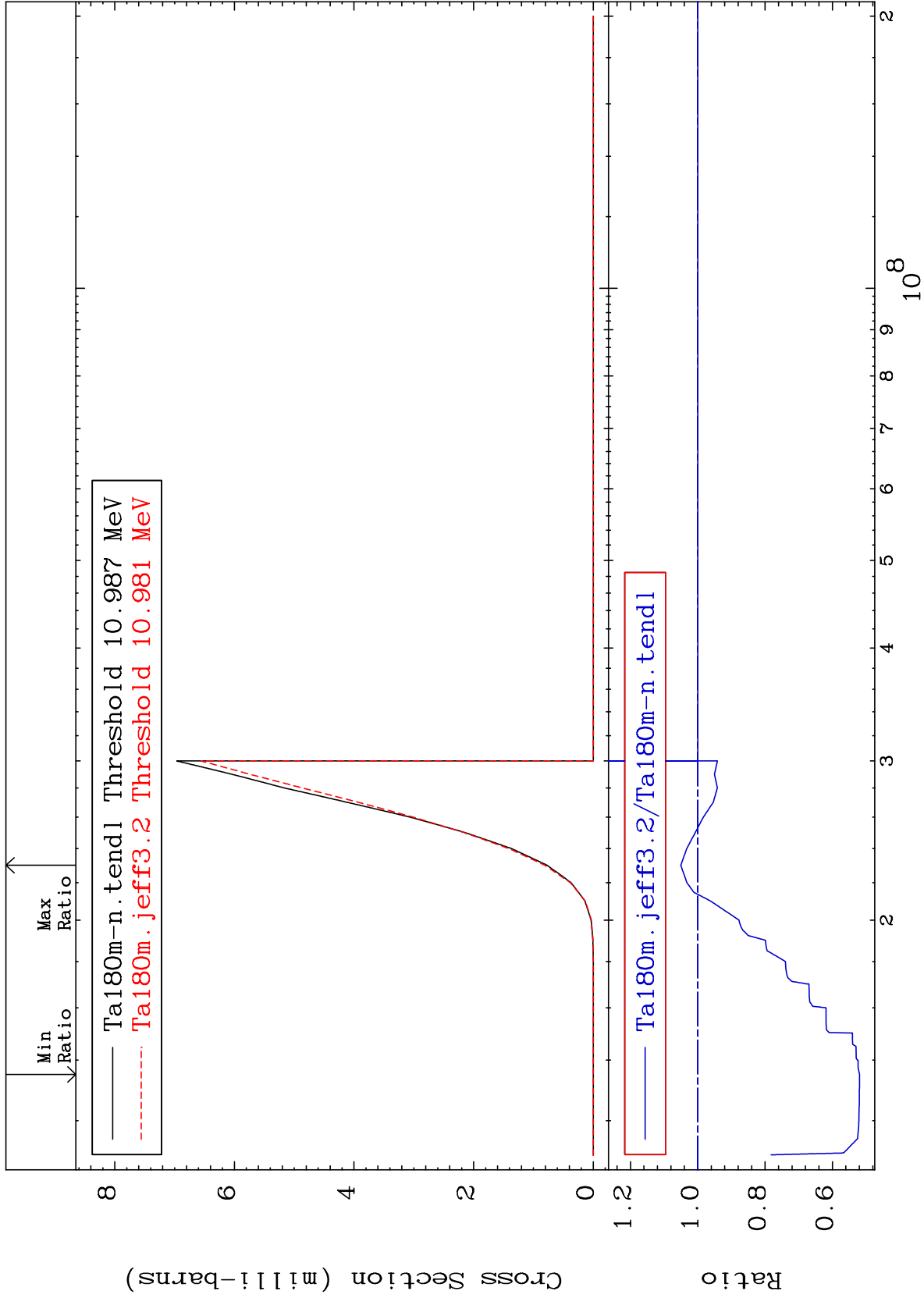


⁷³Ta-180

Incident Energy (eV)

Cross Section

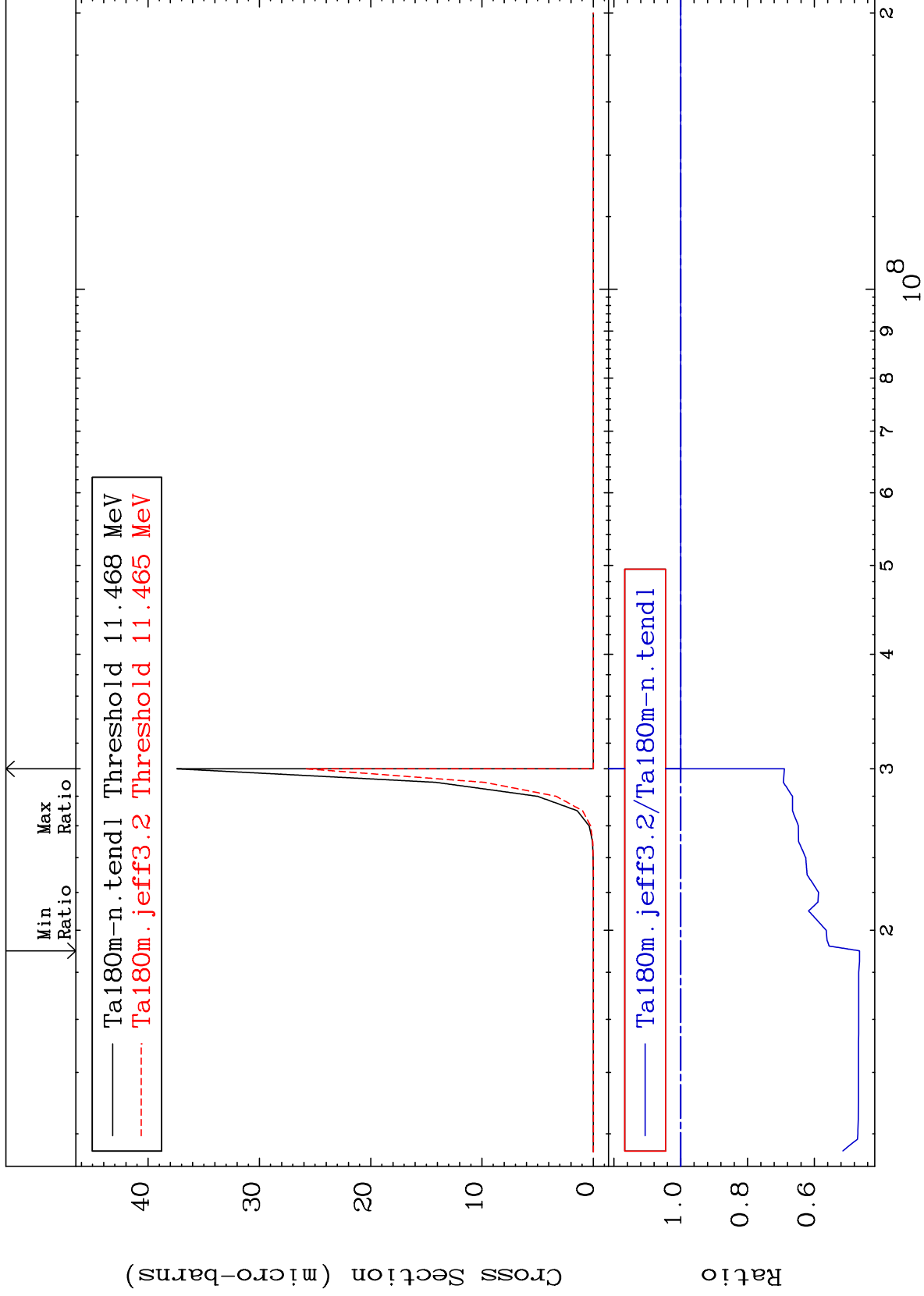
-48.05 To 5.056 %



MAT 7326

(n, n') He-3
Cross Section

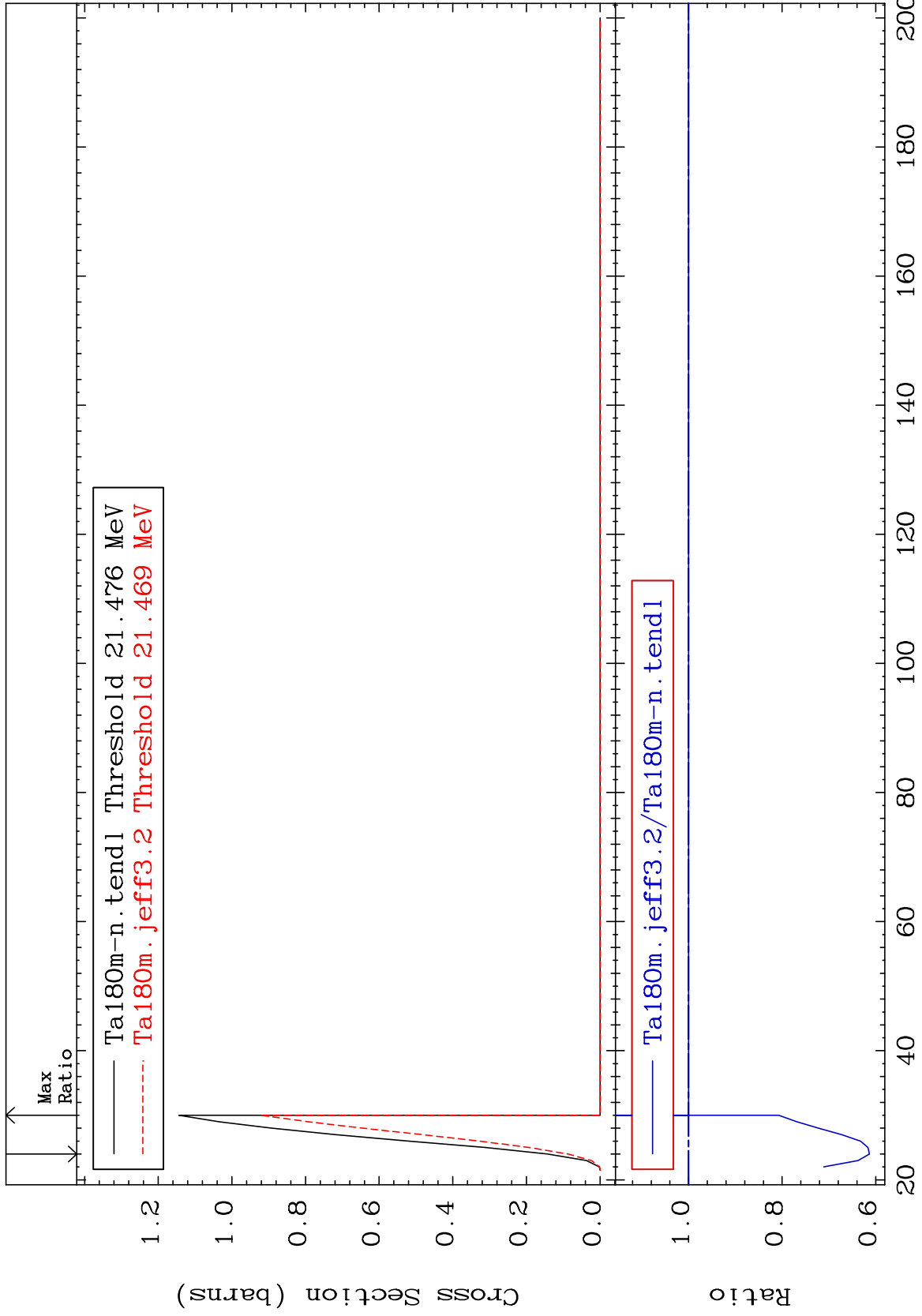
⁷³Ta-180
-53.55 To 0.000 %



MAT 7326

(n,4n)
Cross Section

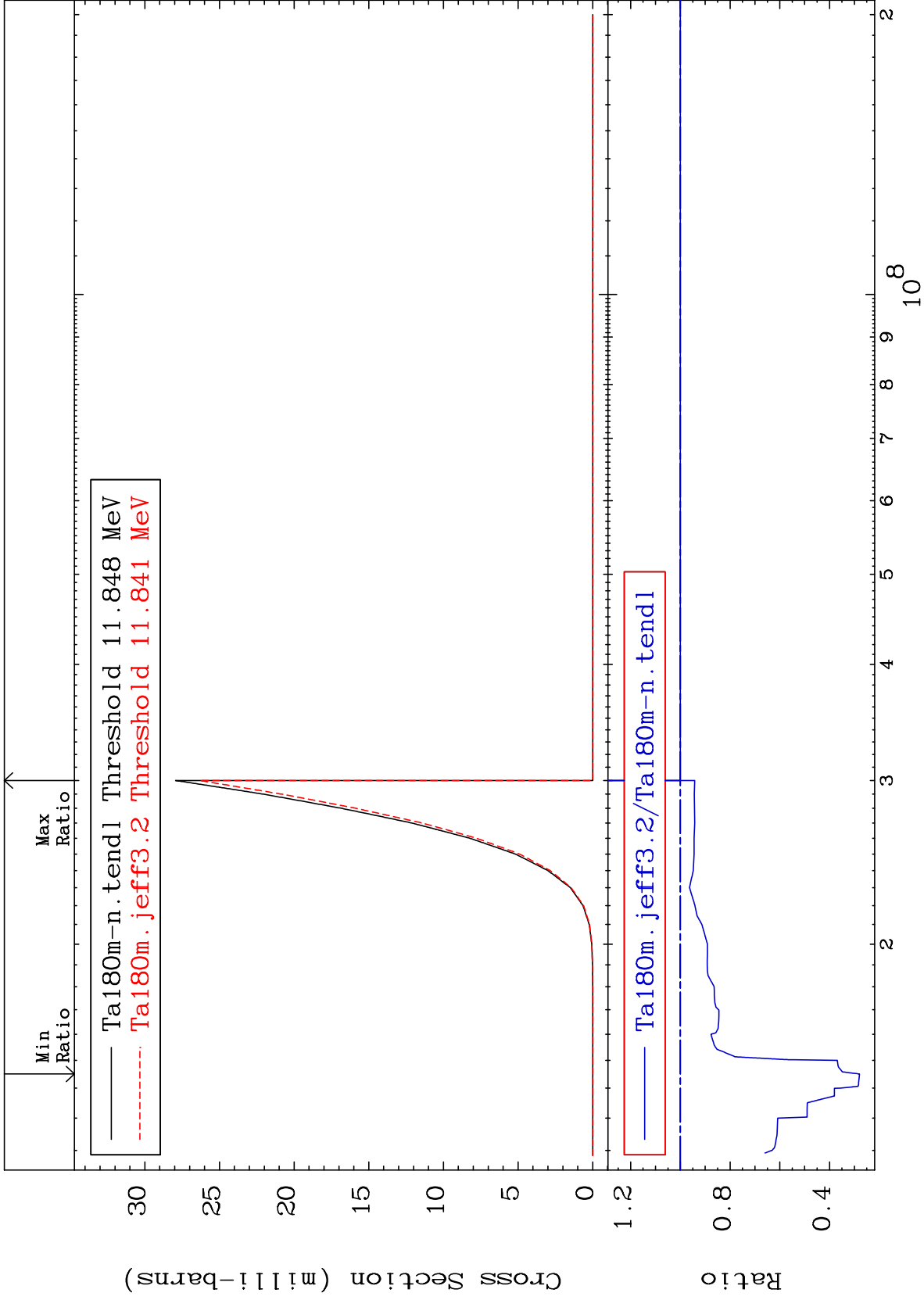
⁷³Ta-180
-38.67 To 0.000 %



MAT 7326

(n,2n) p
Cross Section

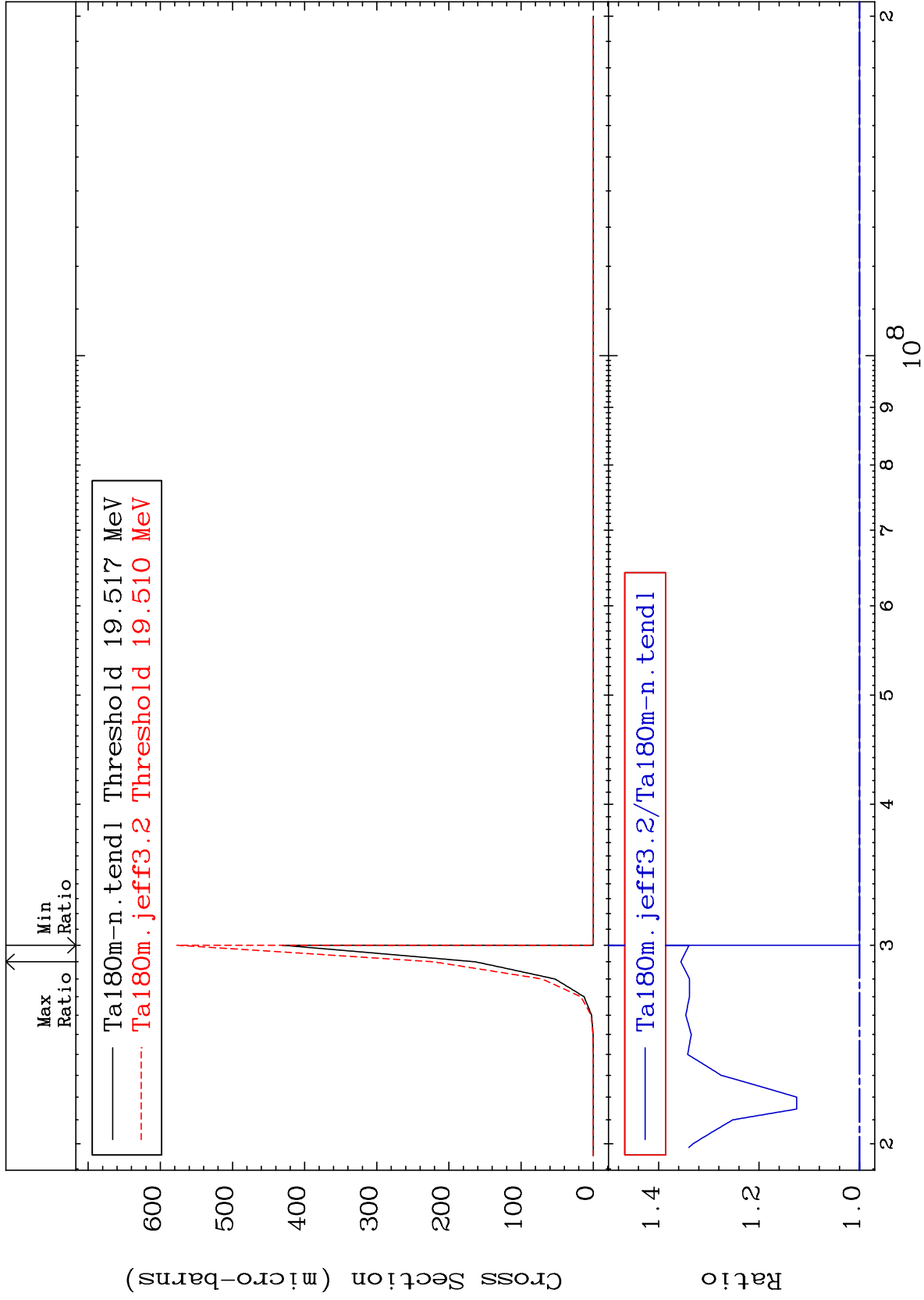
⁷³Ta-¹⁸⁰
-72.03 To 0.000 %



MAT 7326

(n,3n) p
Cross Section

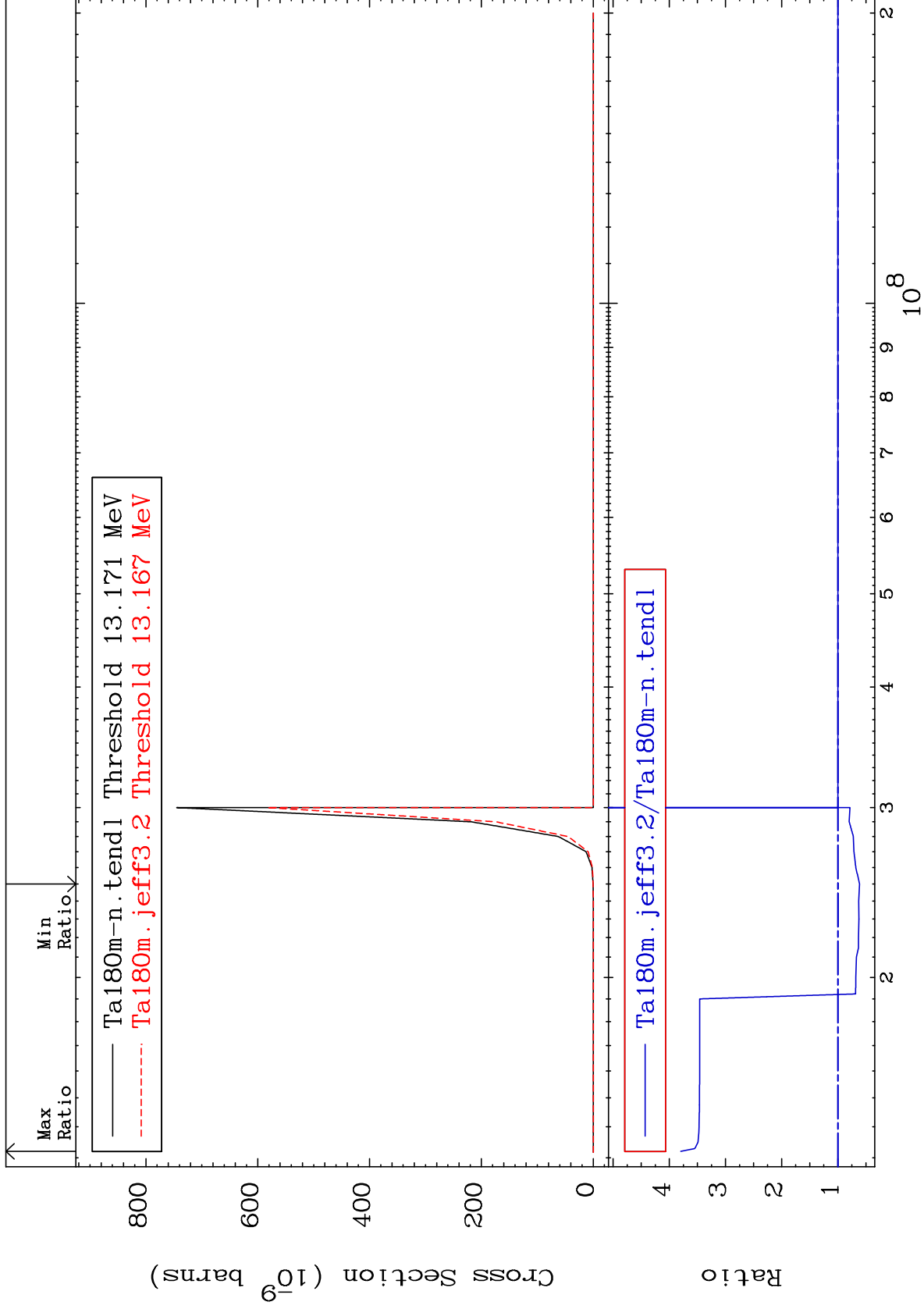
⁷³Ta-180
To 35.59 %



MAT 7326

(n,2n) p
Cross Section

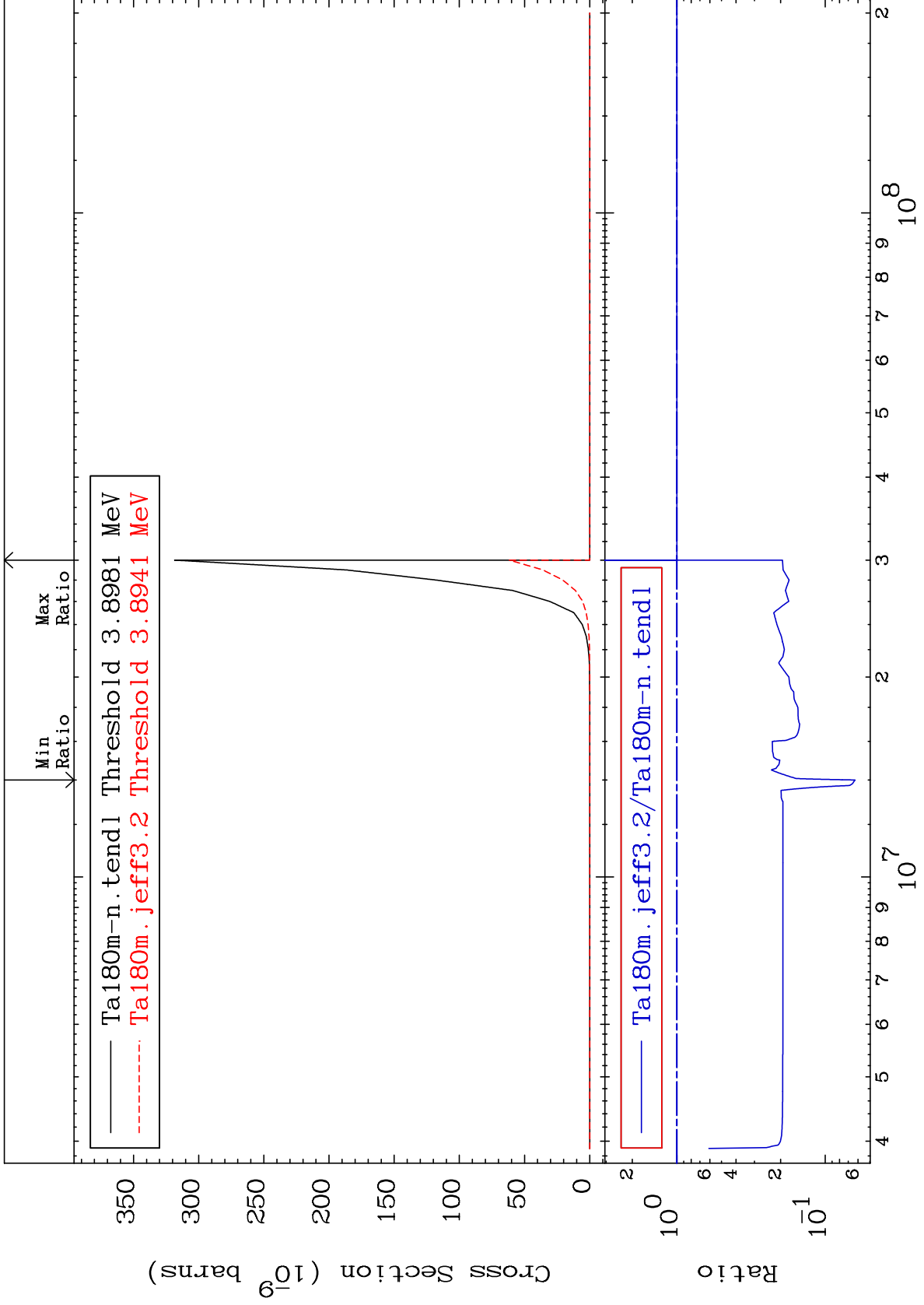
⁷³Ta-180
-38.64 To 279.6 %



MAT 7326

(n,n') p α
Cross Section

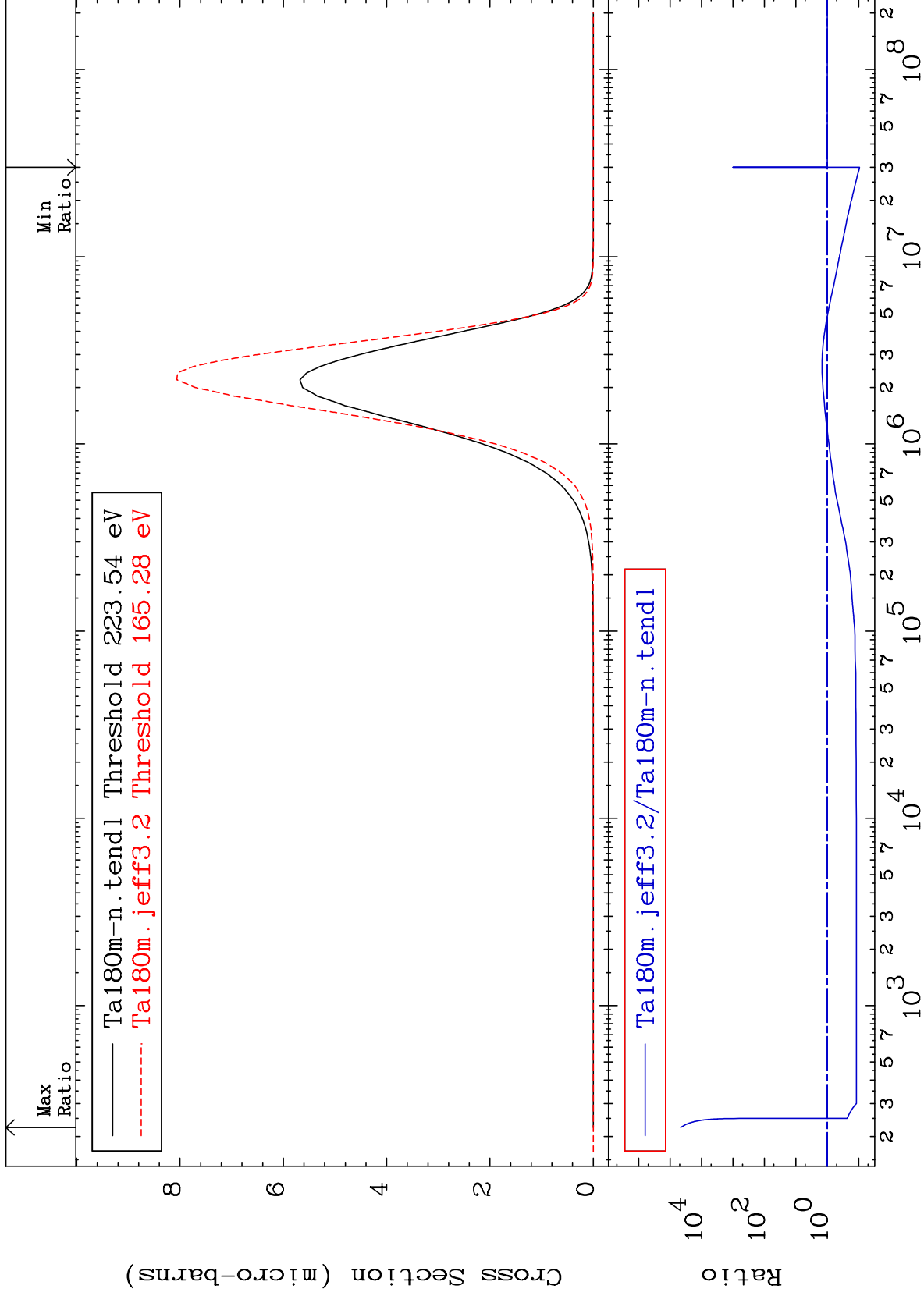
⁷³Ta-¹⁸⁰Ta
-93.72 To 0.000 %



MAT 7326

0.000 keV (n,n') Level
Cross Section

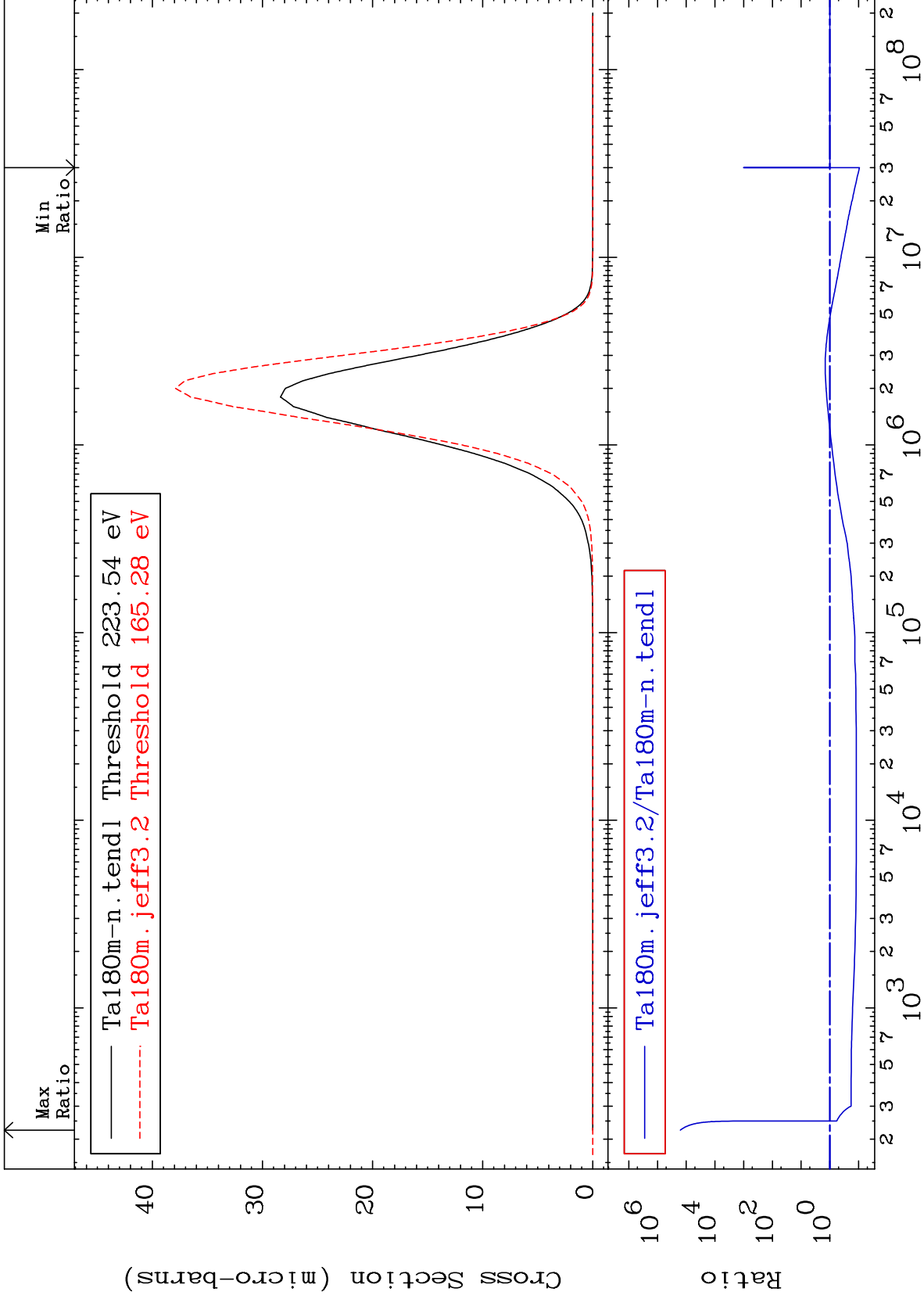
⁷³Ta-¹⁸⁰Ta
-90.65 To 9999. %



MAT 7326

39.67 keV (n,n') Level
Cross Section

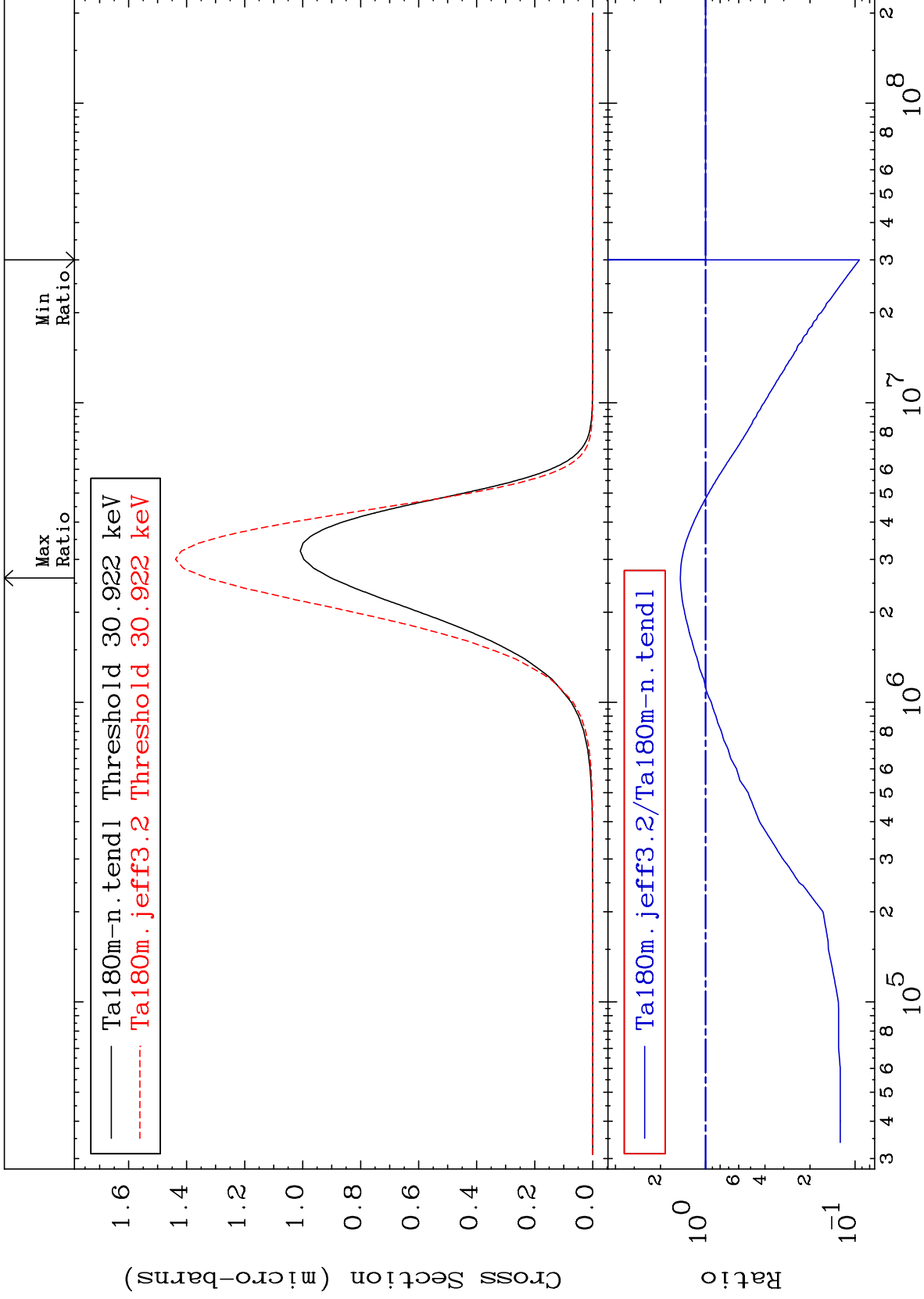
73-Ta-180
-90.64 To 9999. %



MAT 7326

107.9 keV (n,n') Level
Cross Section

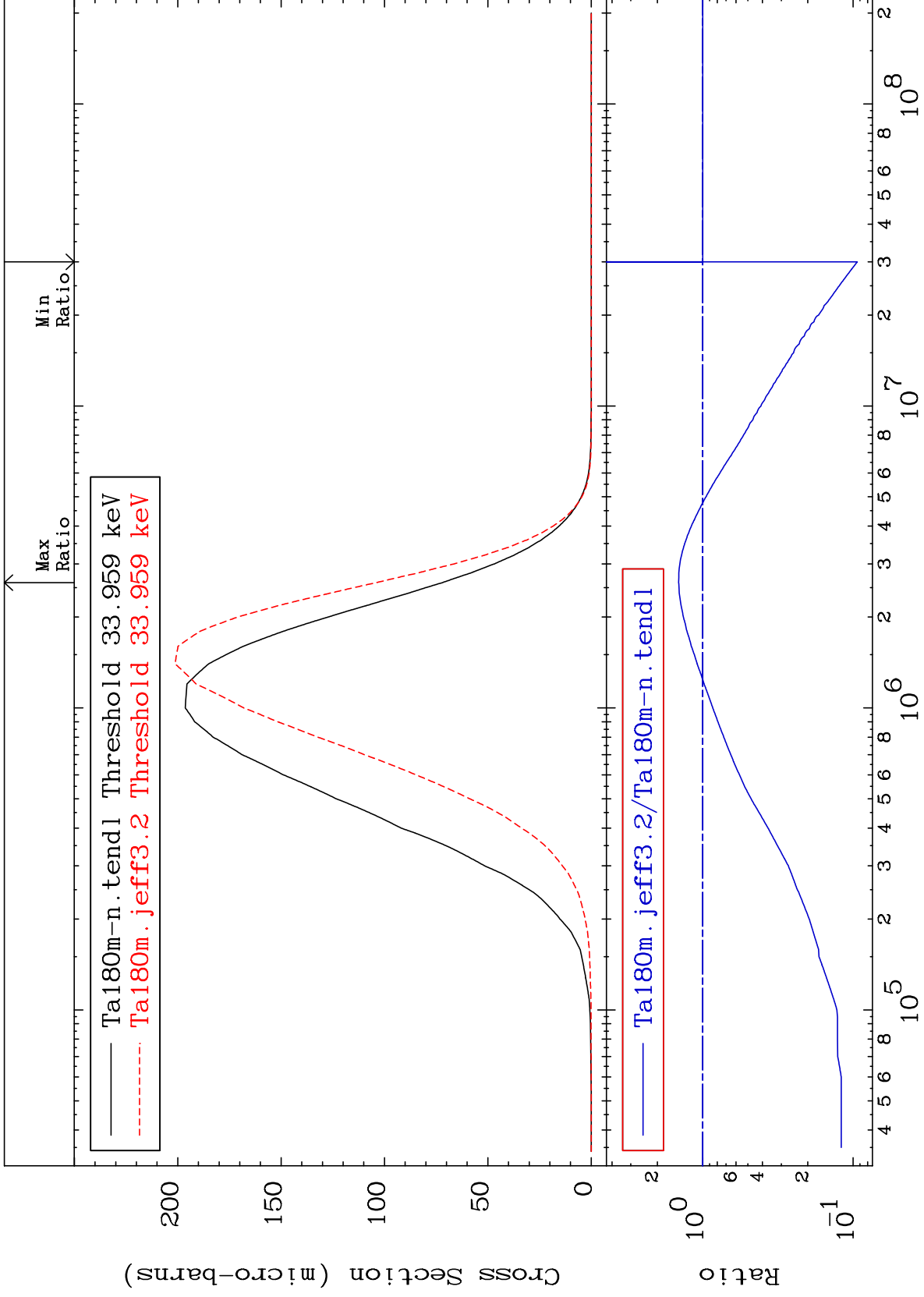
73-Ta-180
-90.65 To 47.43 %



MAT 7326

110.9 keV (n, n') Level
Cross Section

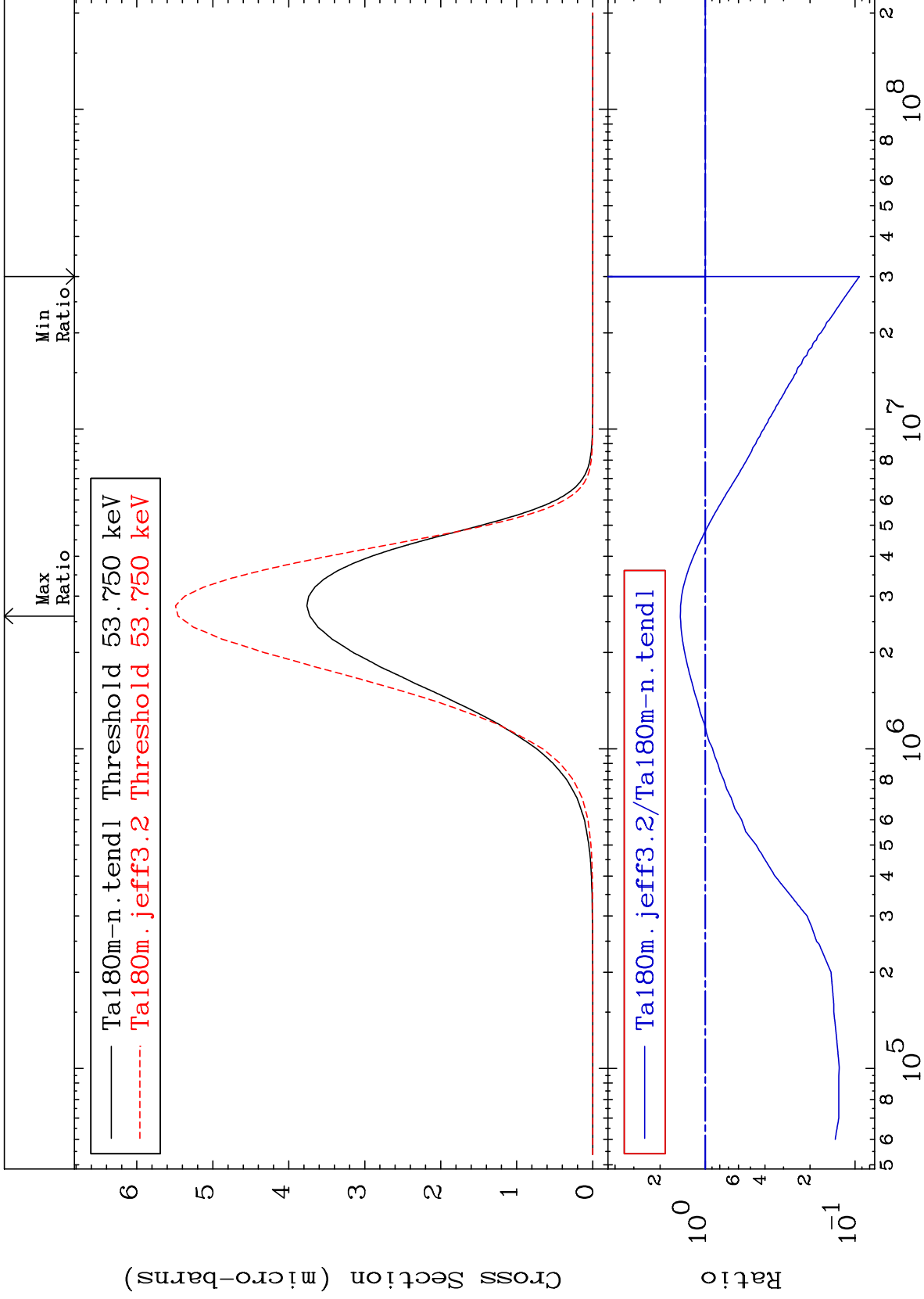
⁷³Ta-¹⁸⁰Ta
-90.62 To 44.34 %



MAT 7326

130.6 keV (n,n') Level
Cross Section

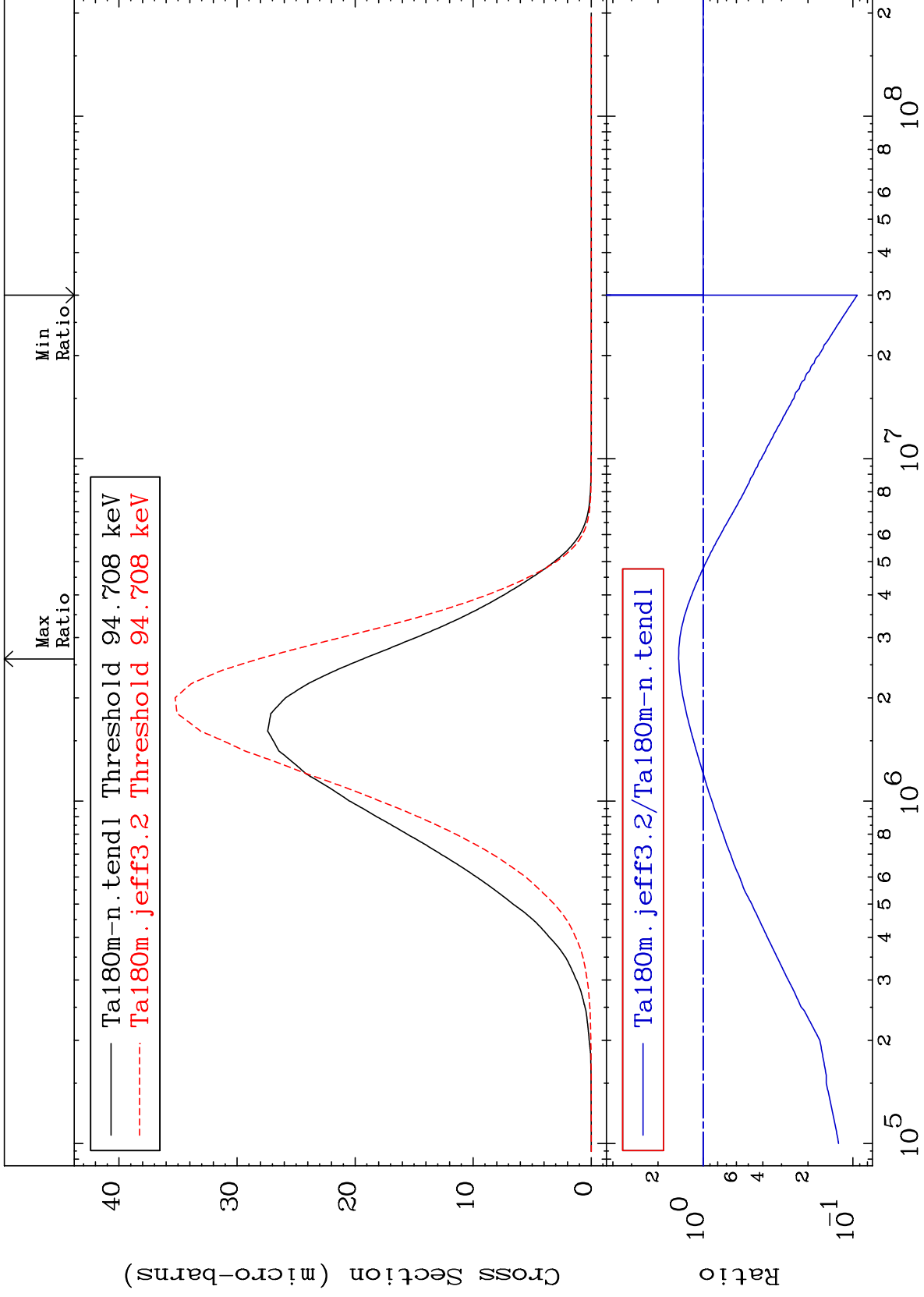
⁷³Ta-¹⁸⁰Ta
-90.65 To 46.57 %



MAT 7326

171.3 keV (n,n') Level
Cross Section

73-Ta-180
-90.64 To 45.72 %



25

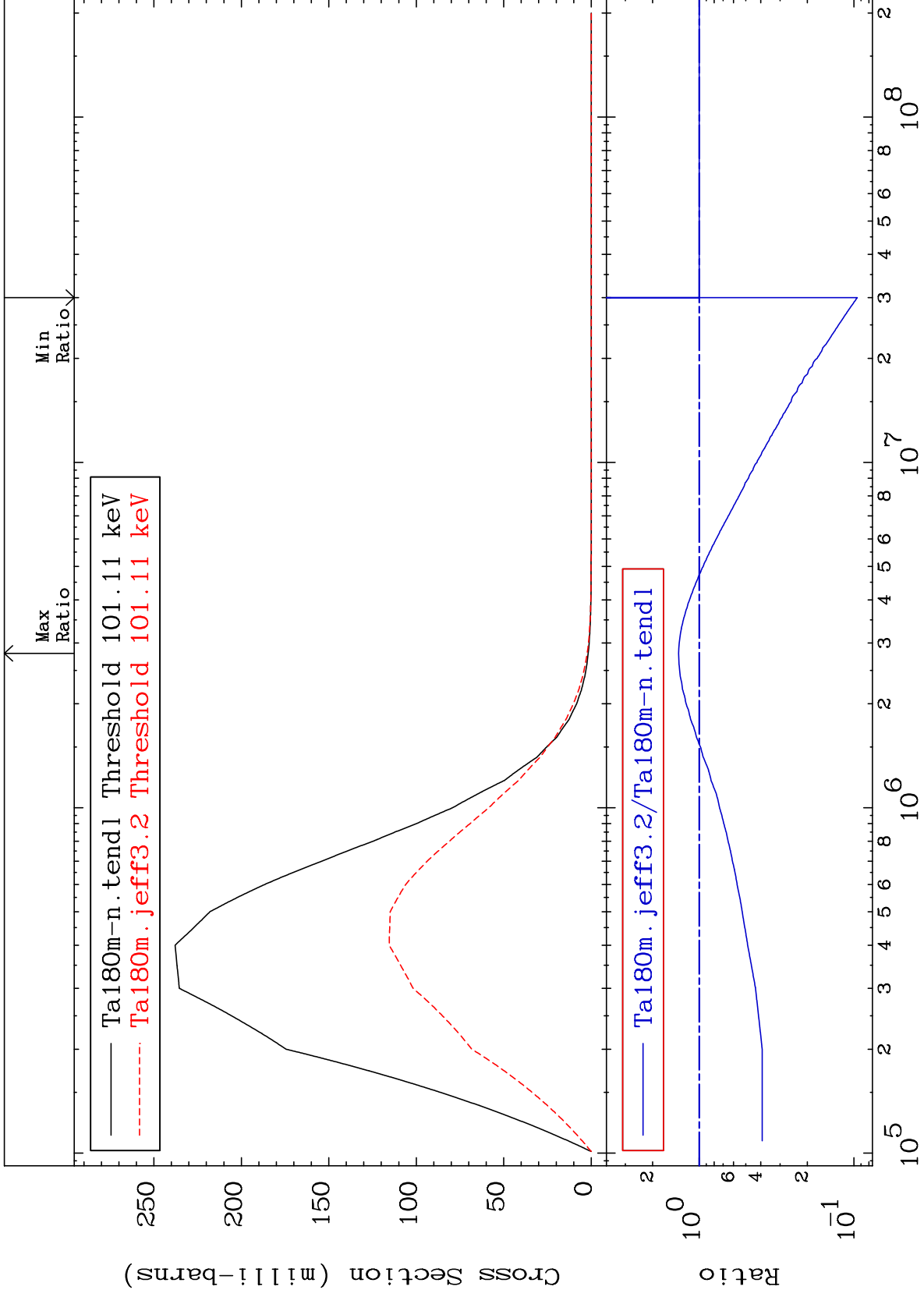
Incident Energy (eV)

73-Ta-180

MAT 7326

177.7 keV (n,n') Level
Cross Section

73-Ta-180
-90.49 To 35.72 %



26

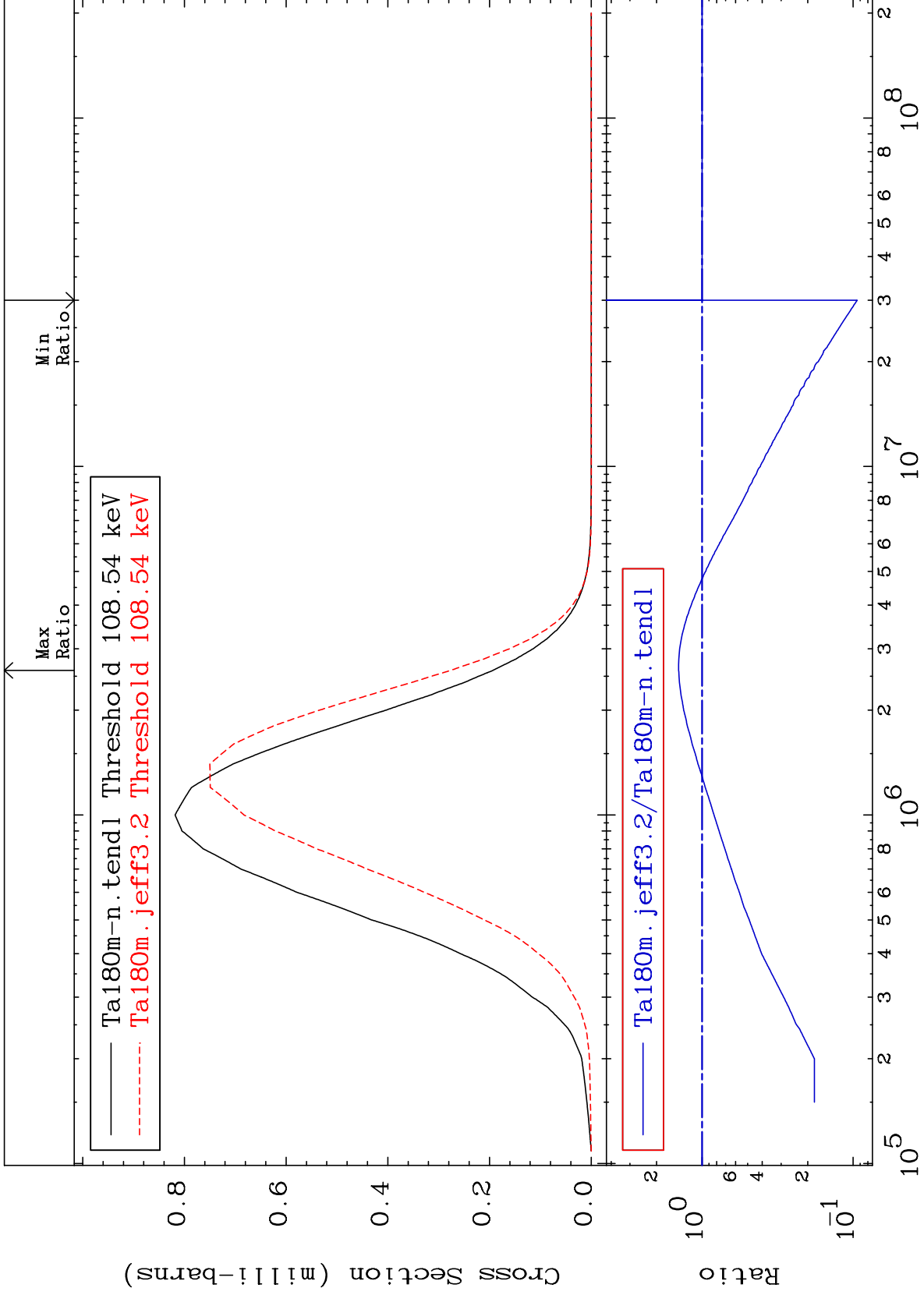
Incident Energy (eV)

73-Ta-180

MAT 7326

185.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-90.60 To 42.97 %



27

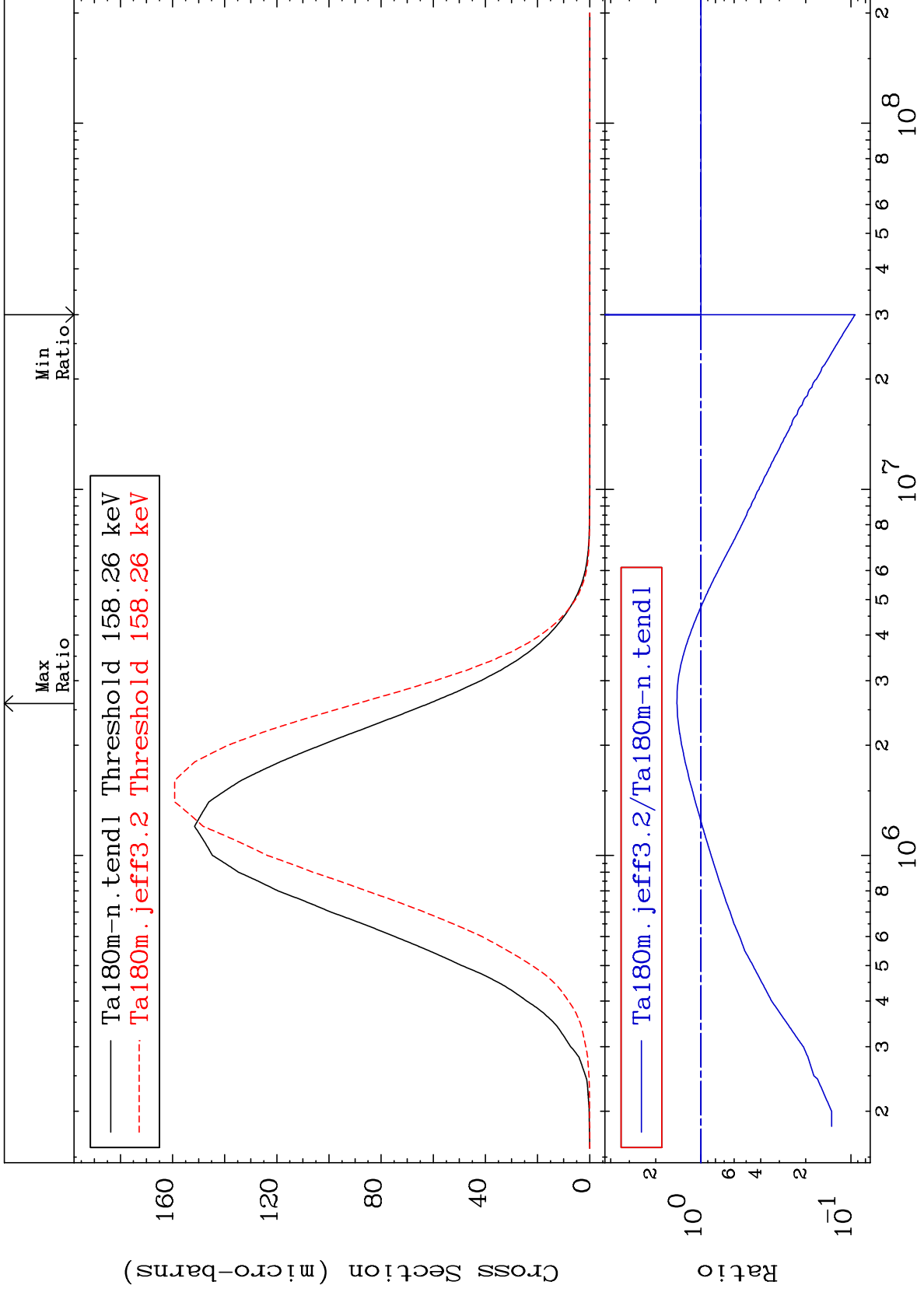
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7326

234.5 keV (n,n') Level
Cross Section

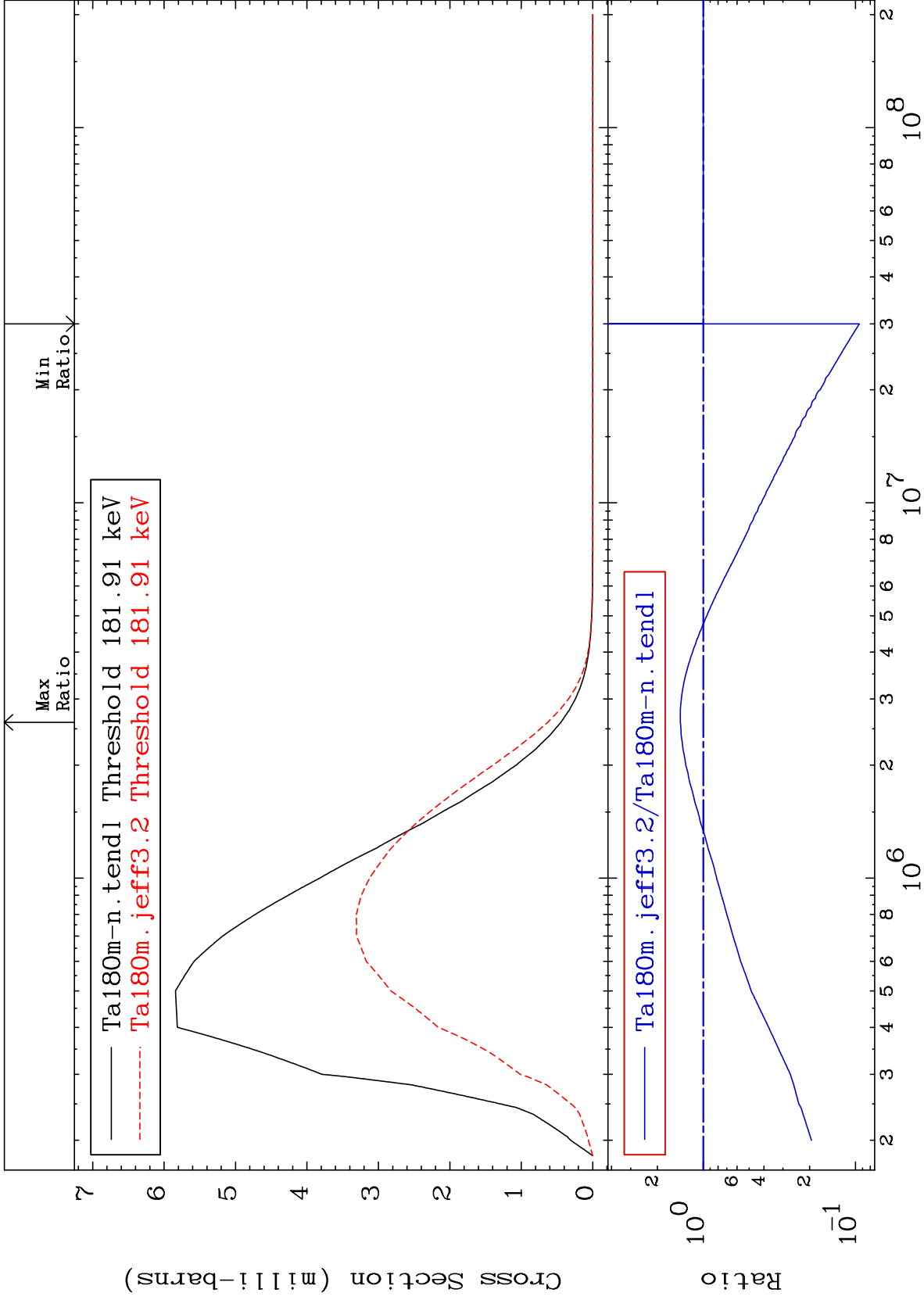
⁷³Ta-¹⁸⁰
-90.62 To 44.52 %



MAT 7326

258.0 keV (n,n') Level
Cross Section

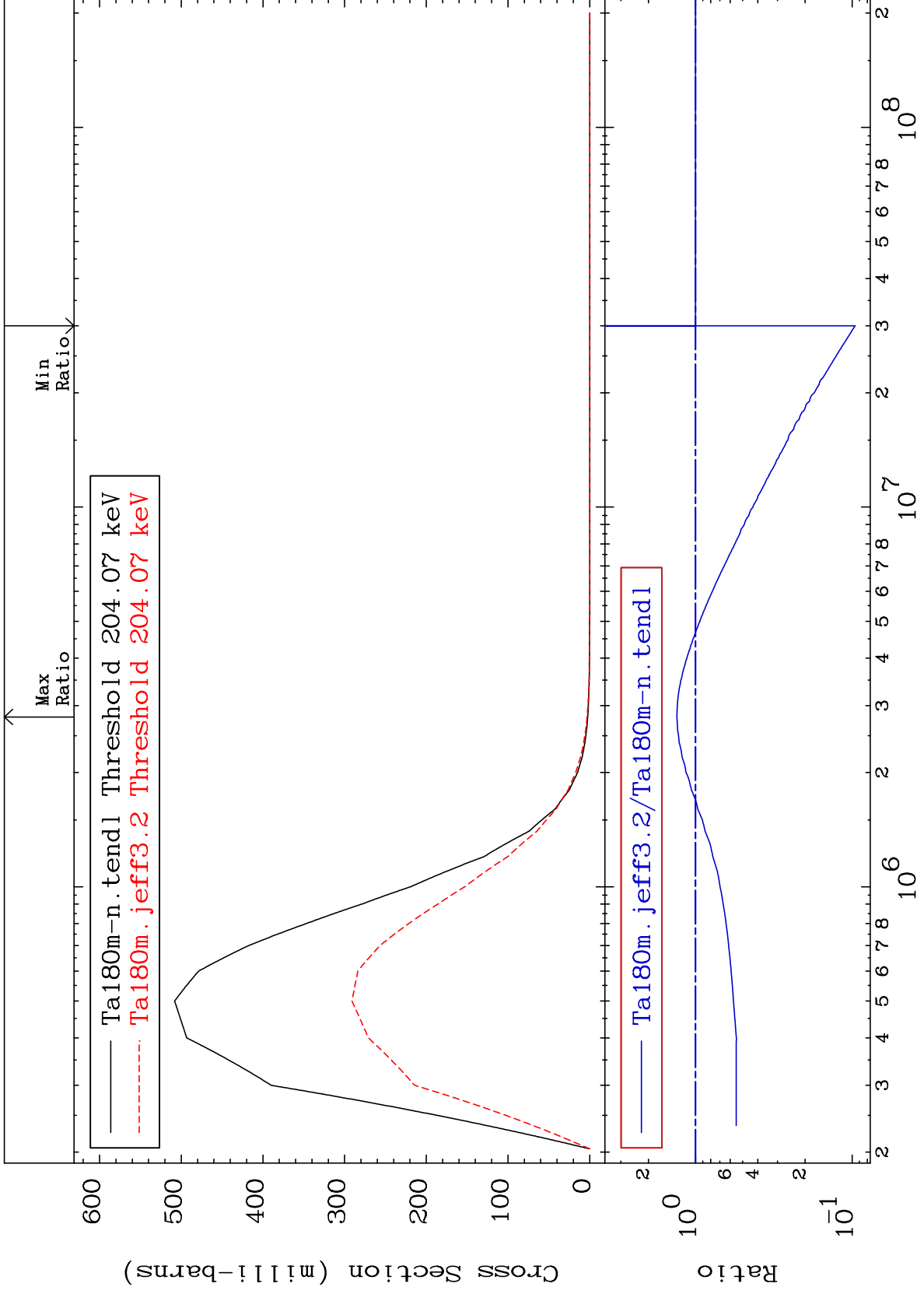
⁷³Ta-¹⁸⁰Ta
-90.58 To 41.35 %



MAT 7326

280.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-90.42 To 31.47 %



30

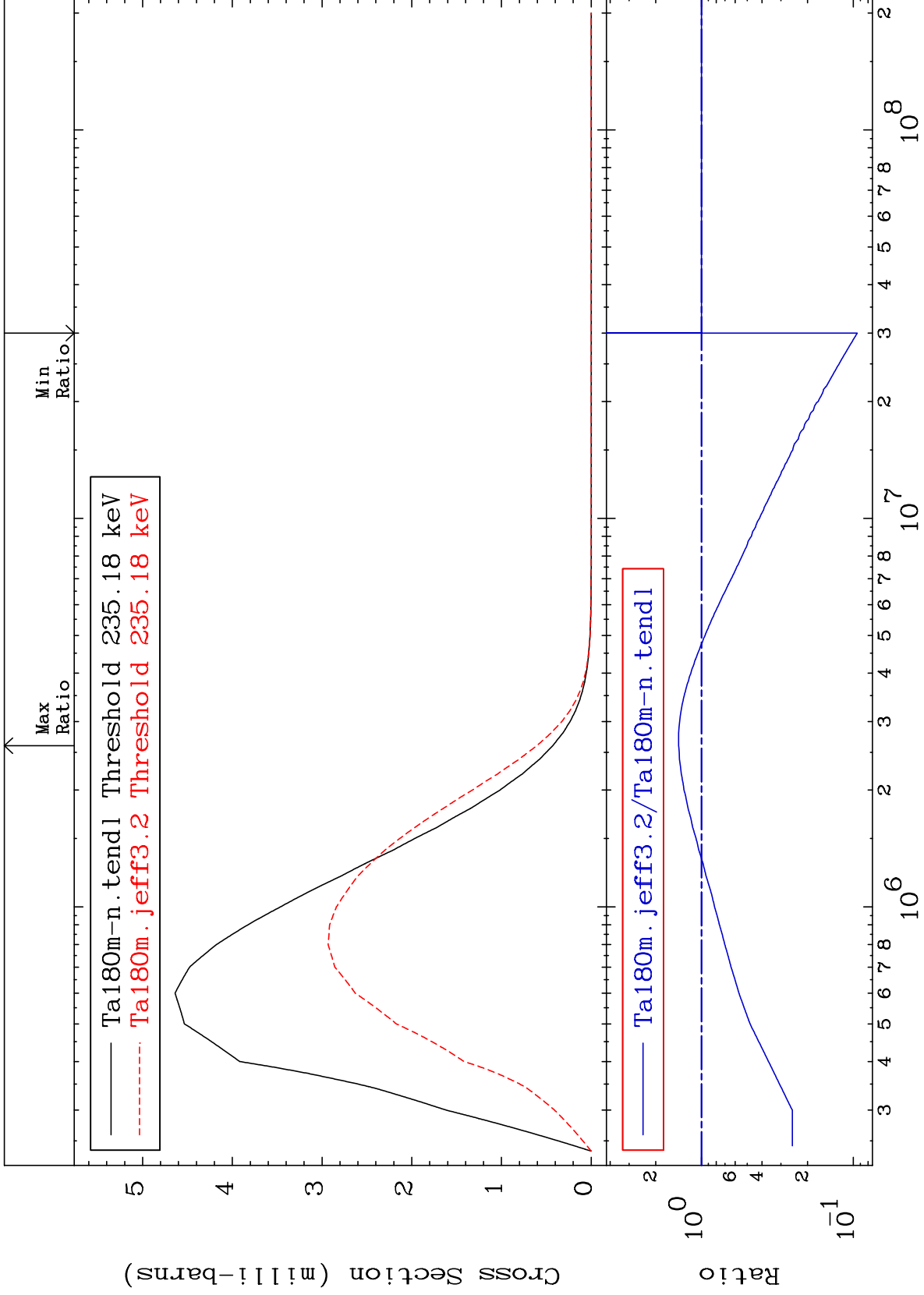
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7326

311.0 keV (n,n') Level
Cross Section

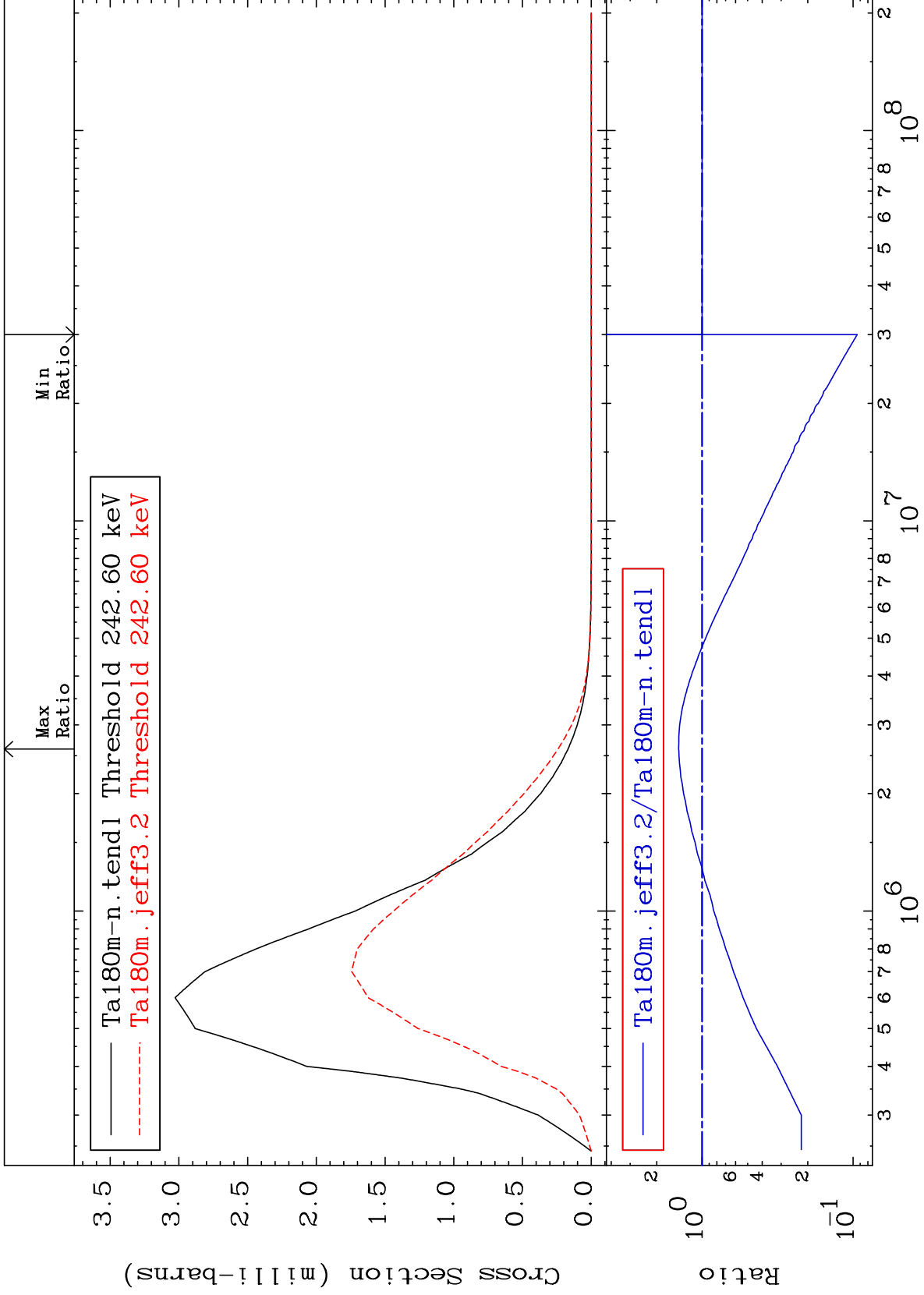
⁷³Ta-¹⁸⁰
-90.58 To 41.42 %



MAT 7326

318.3 keV (n,n') Level
Cross Section

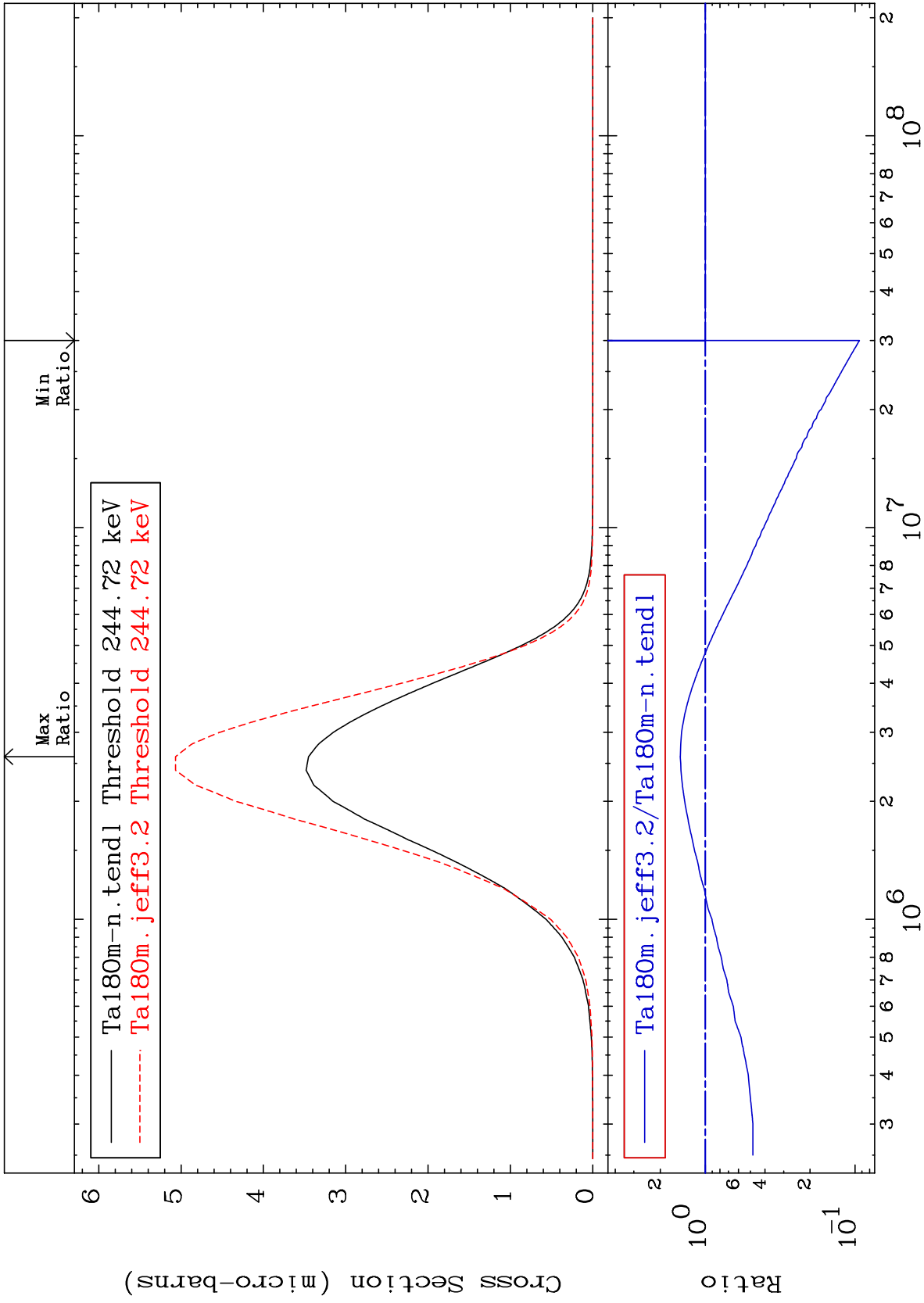
⁷³Ta-¹⁸⁰
-90.60 To 43.14 %



MAT 7326

320.5 keV (n,n') Level
Cross Section

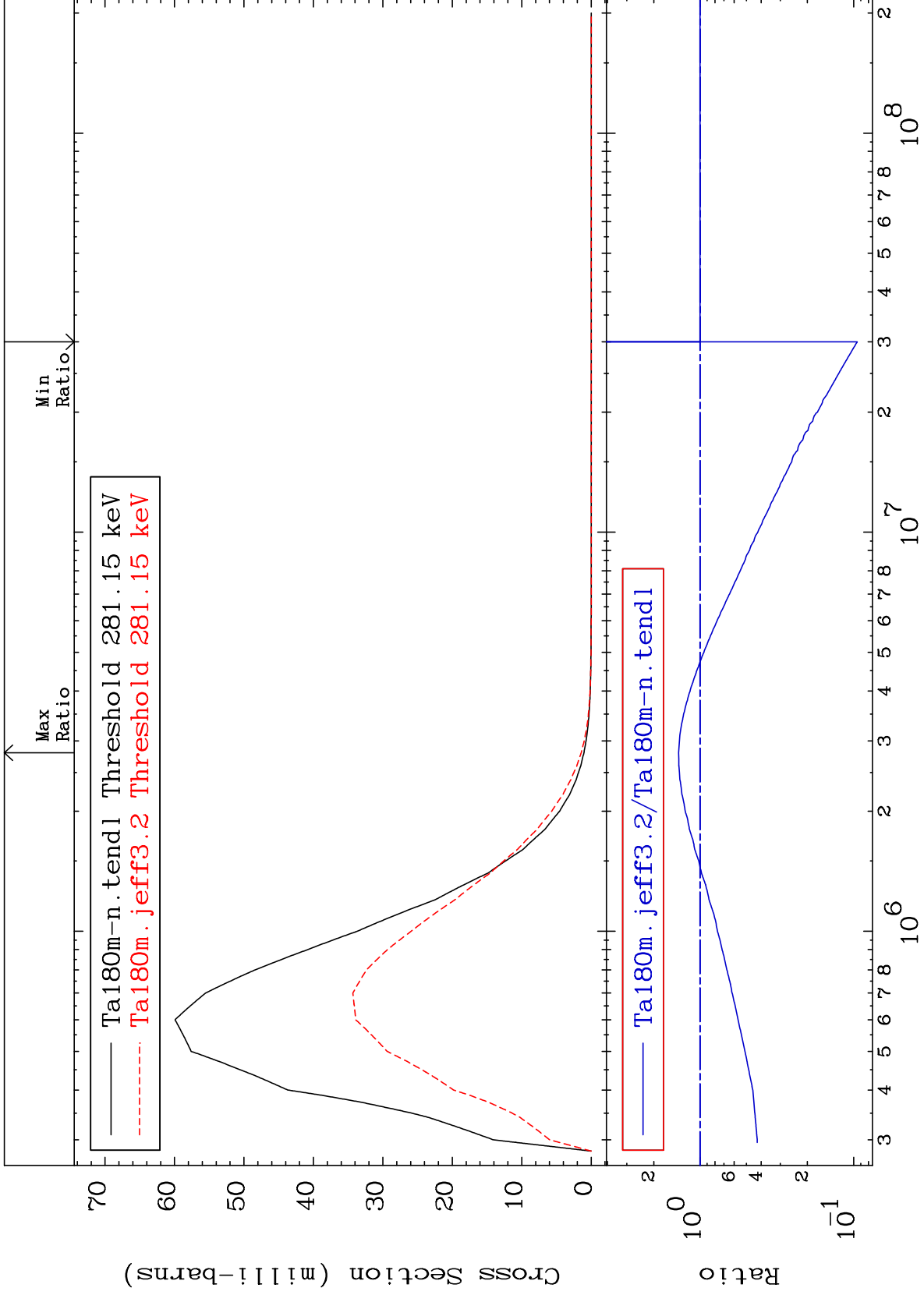
⁷³Ta-¹⁸⁰
-90.65 To 46.82 %



MAT 7326

356.7 keV (n,n') Level
Cross Section

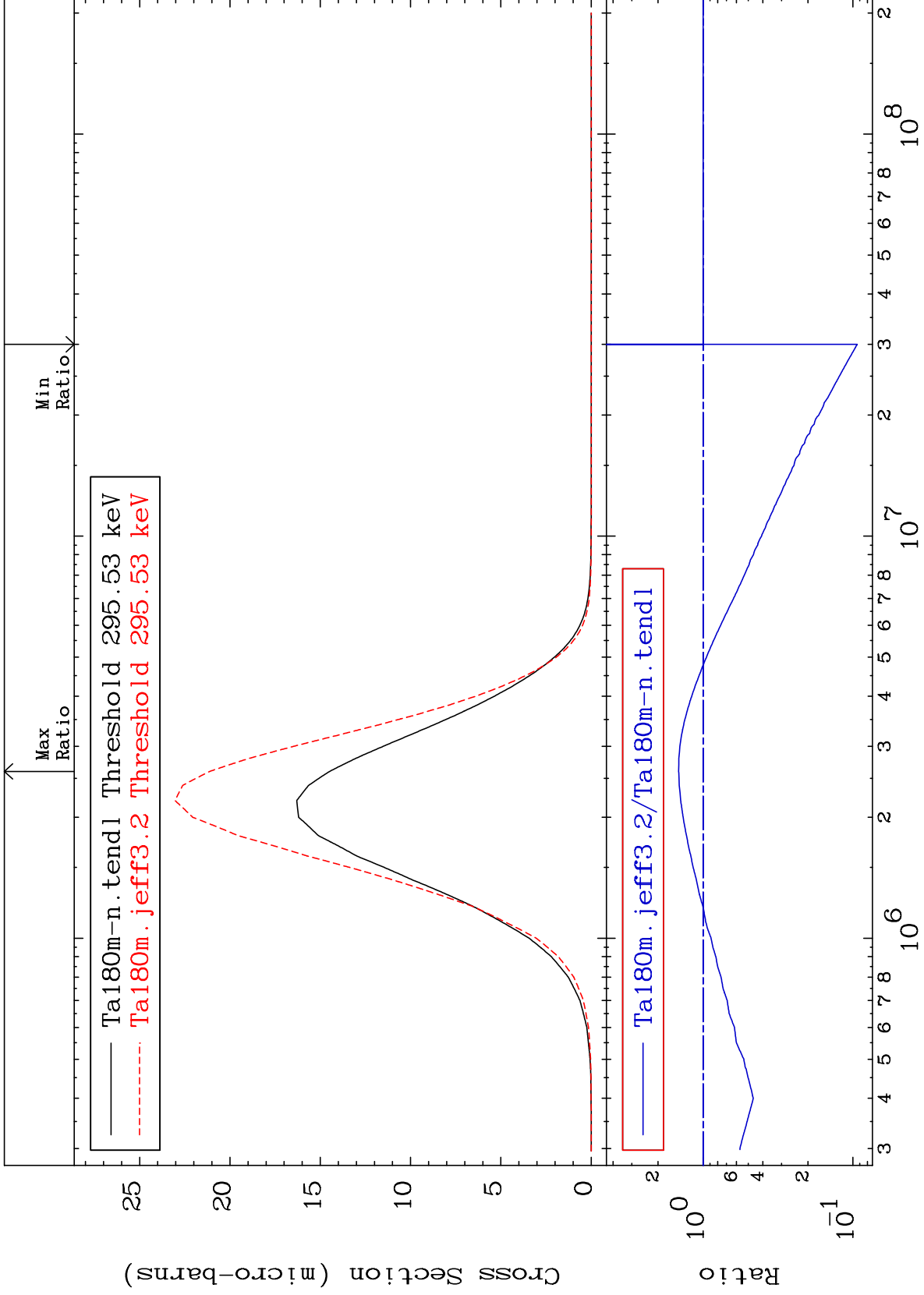
⁷³Ta-¹⁸⁰
-90.52 To 37.84 %



MAT 7326

371.0 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰Ta
-90.64 To 45.85 %



35

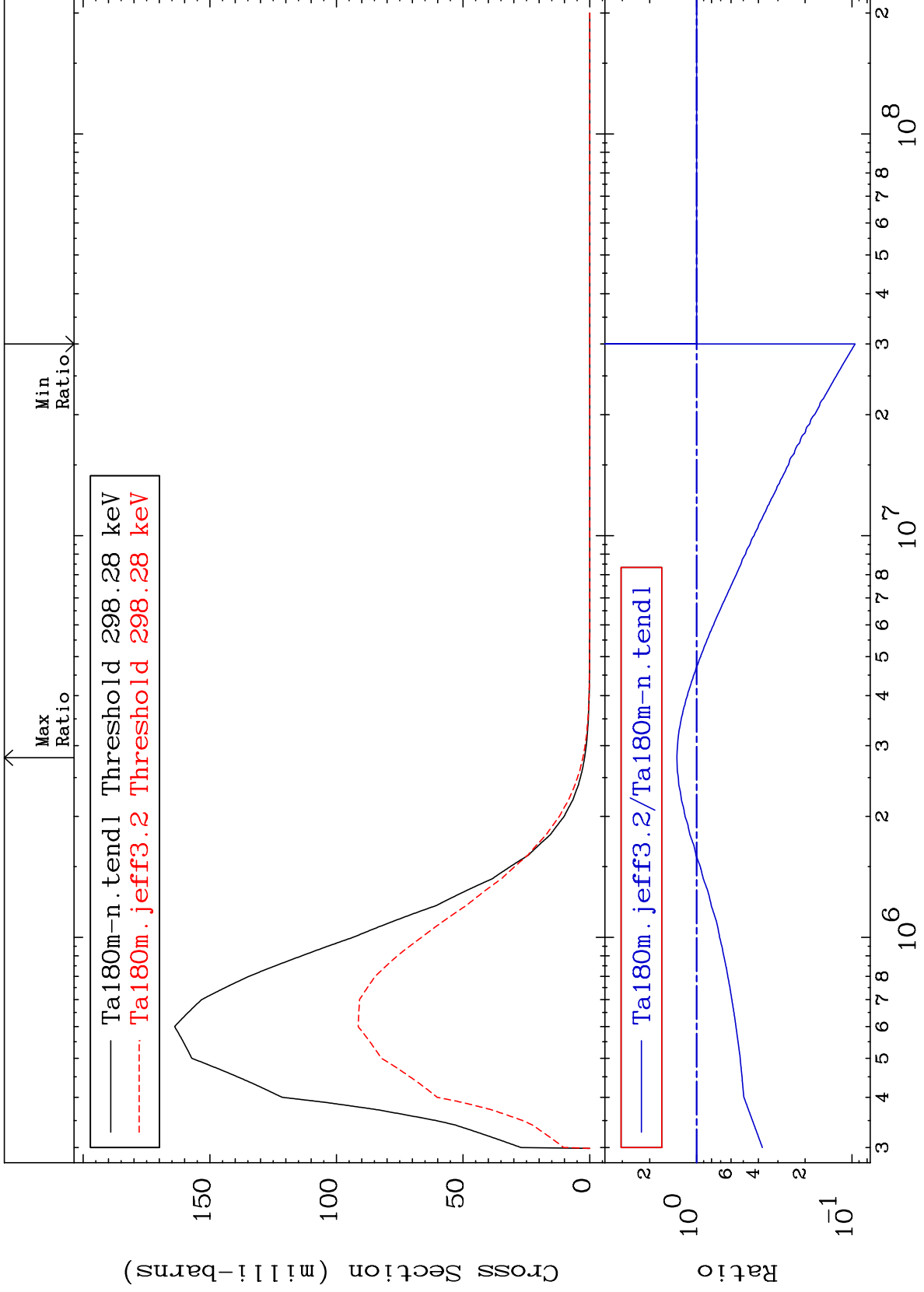
Incident Energy (eV)

⁷³Ta-¹⁸⁰Ta

MAT 7326

373.7 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰Ta
-90.45 To 33.75 %



36

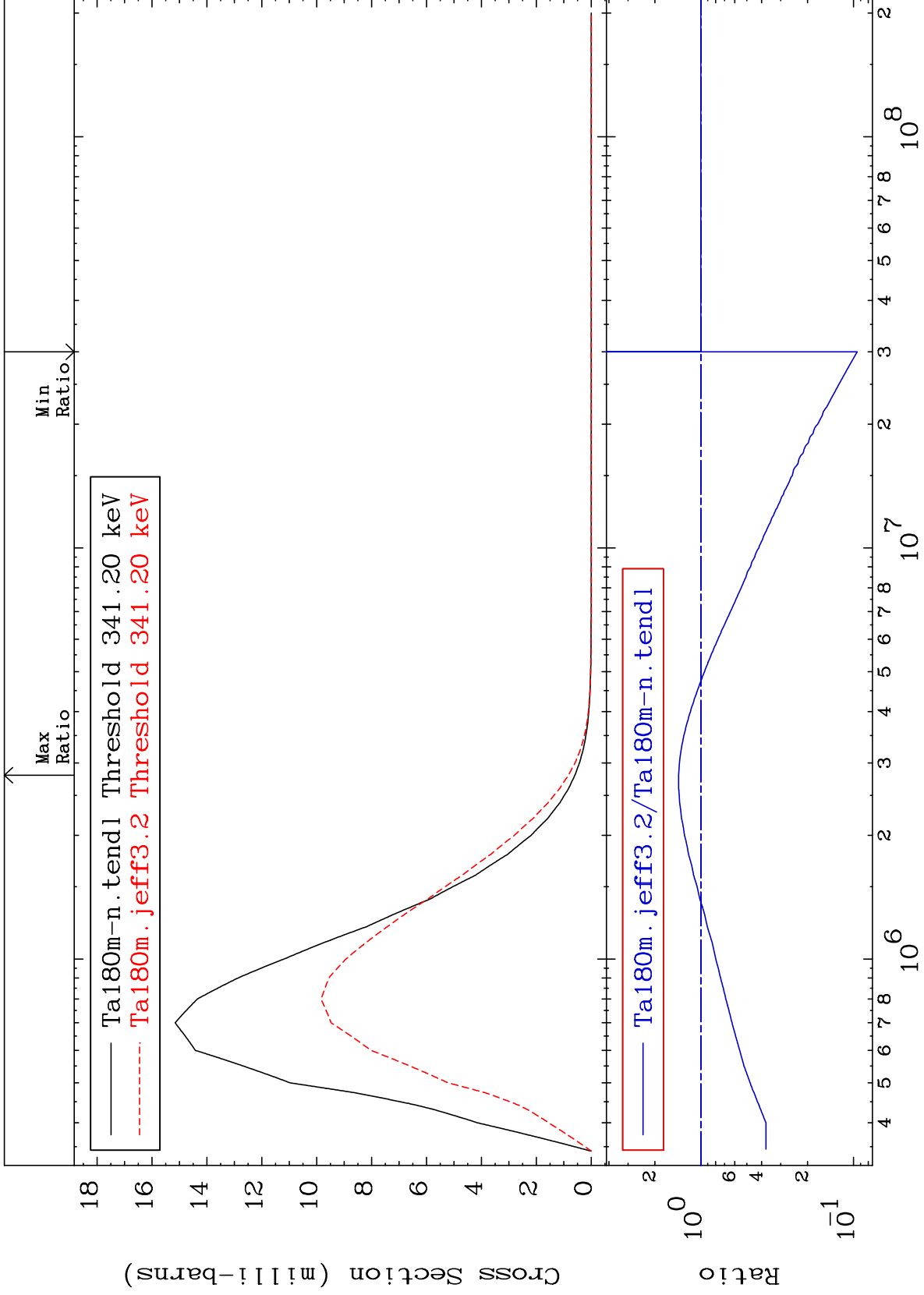
Incident Energy (eV)

⁷³Ta-¹⁸⁰Ta

MAT 7326

416.4 keV (n,n') Level
Cross Section

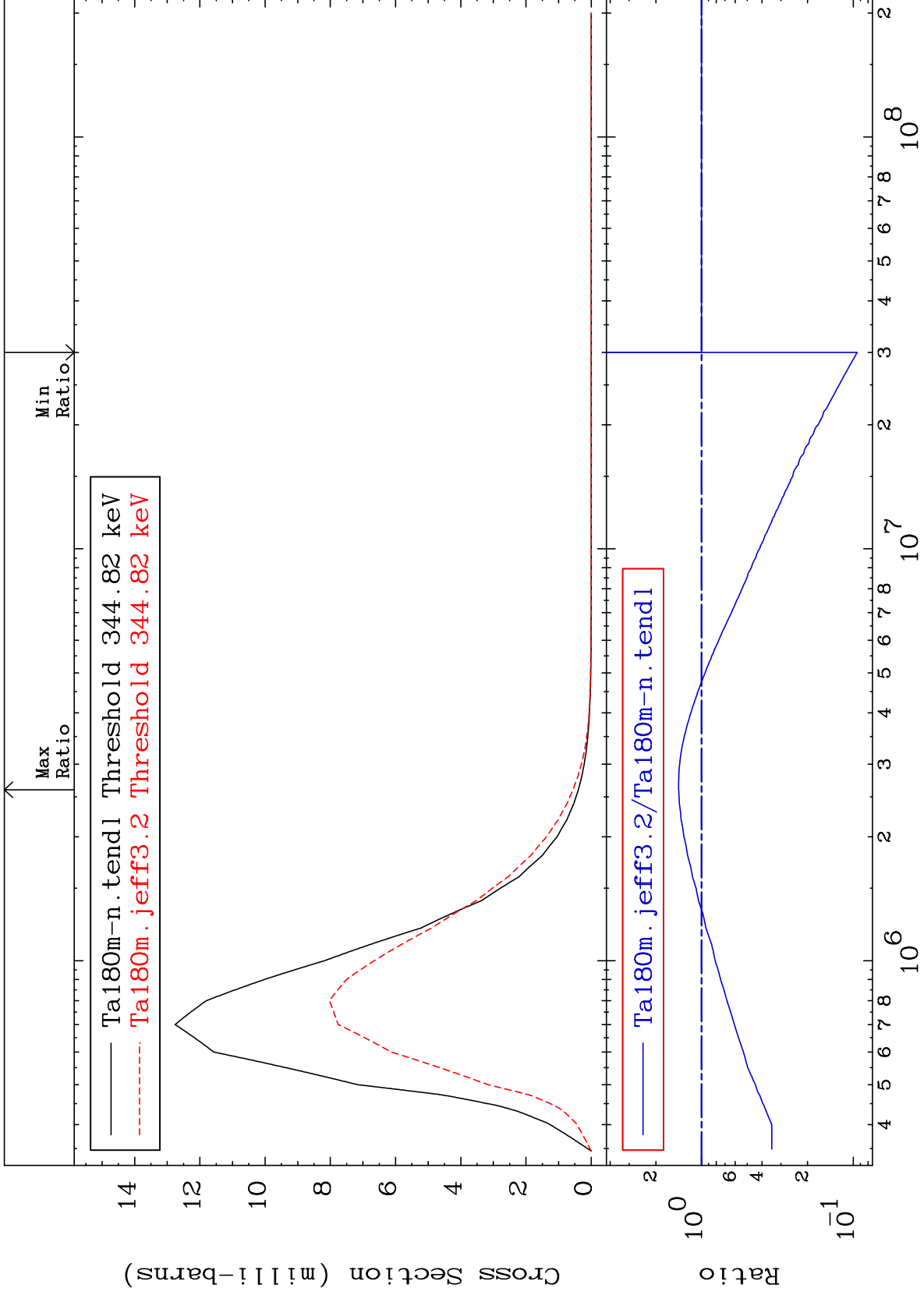
⁷³Ta-¹⁸⁰
-90.55 To 39.71 %



MAT 7326

420.0 keV (n,n') Level
Cross Section

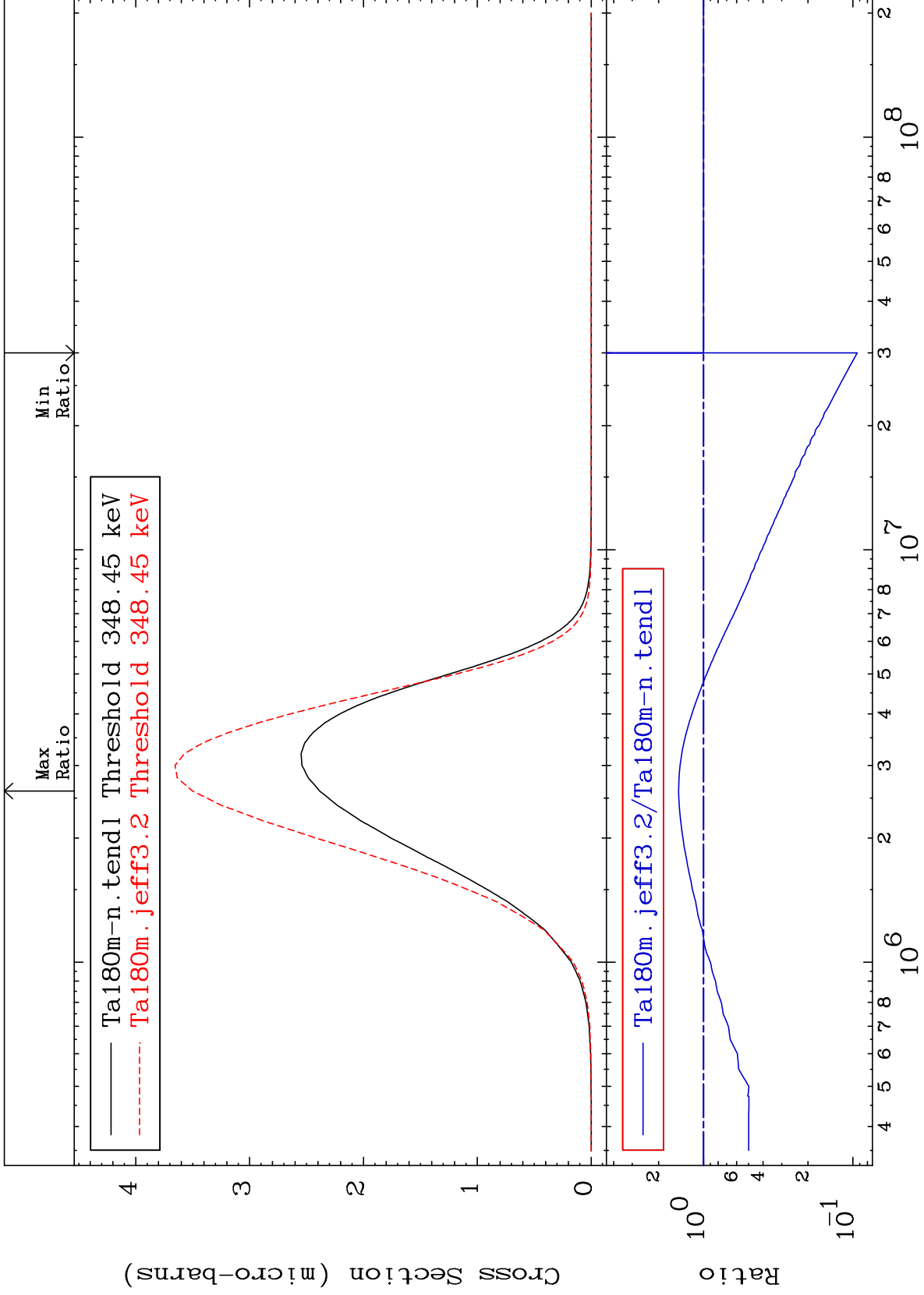
⁷³Ta-¹⁸⁰Ta
-90.58 To 41.56 %



MAT 7326

423.6 keV (n,n') Level
Cross Section

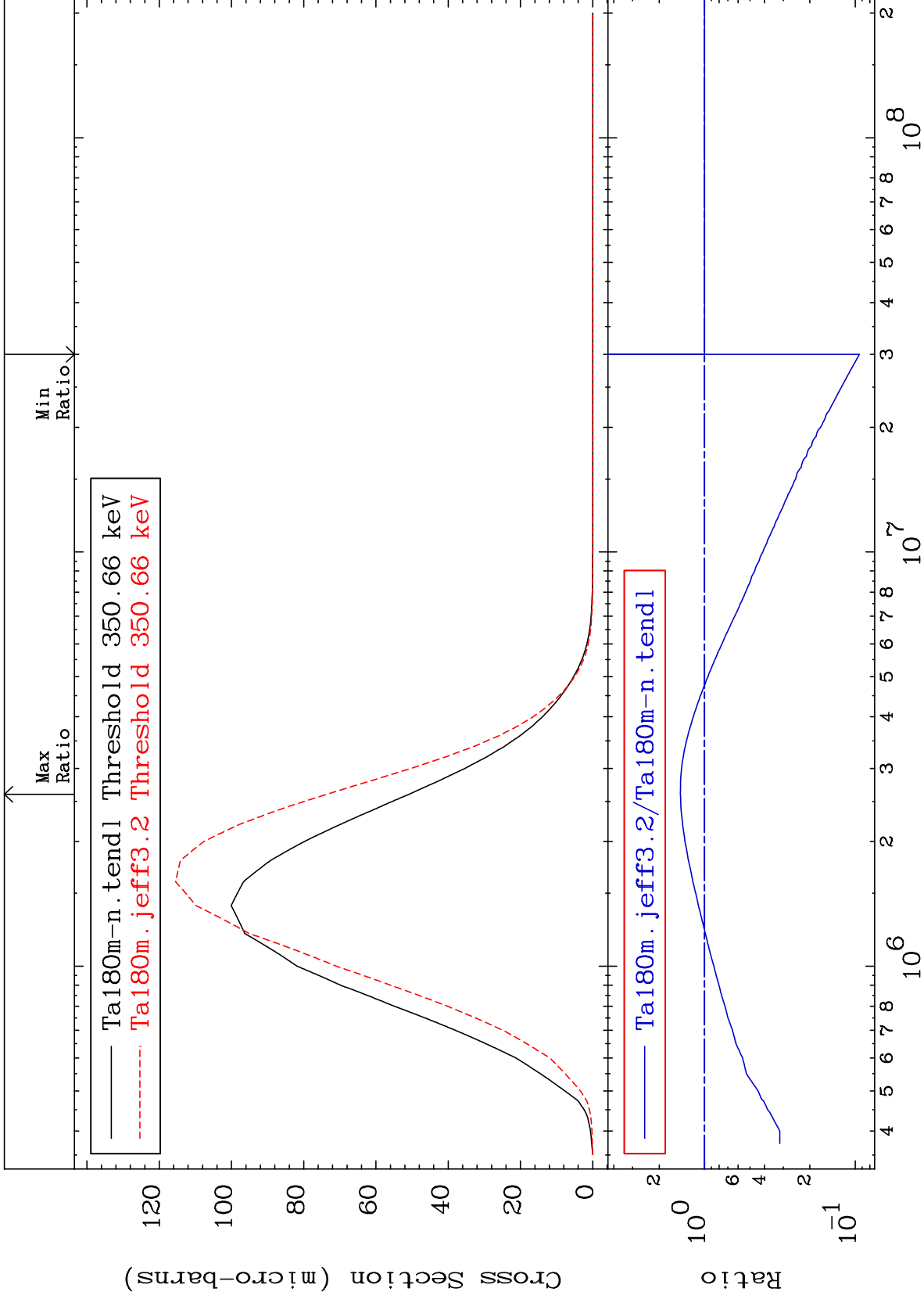
⁷³Ta-¹⁸⁰
-90.65 To 46.86 %



MAT 7326

425.8 keV (n,n') Level
Cross Section

⁷³Ta-¹⁸⁰
-90.62 To 44.72 %



40

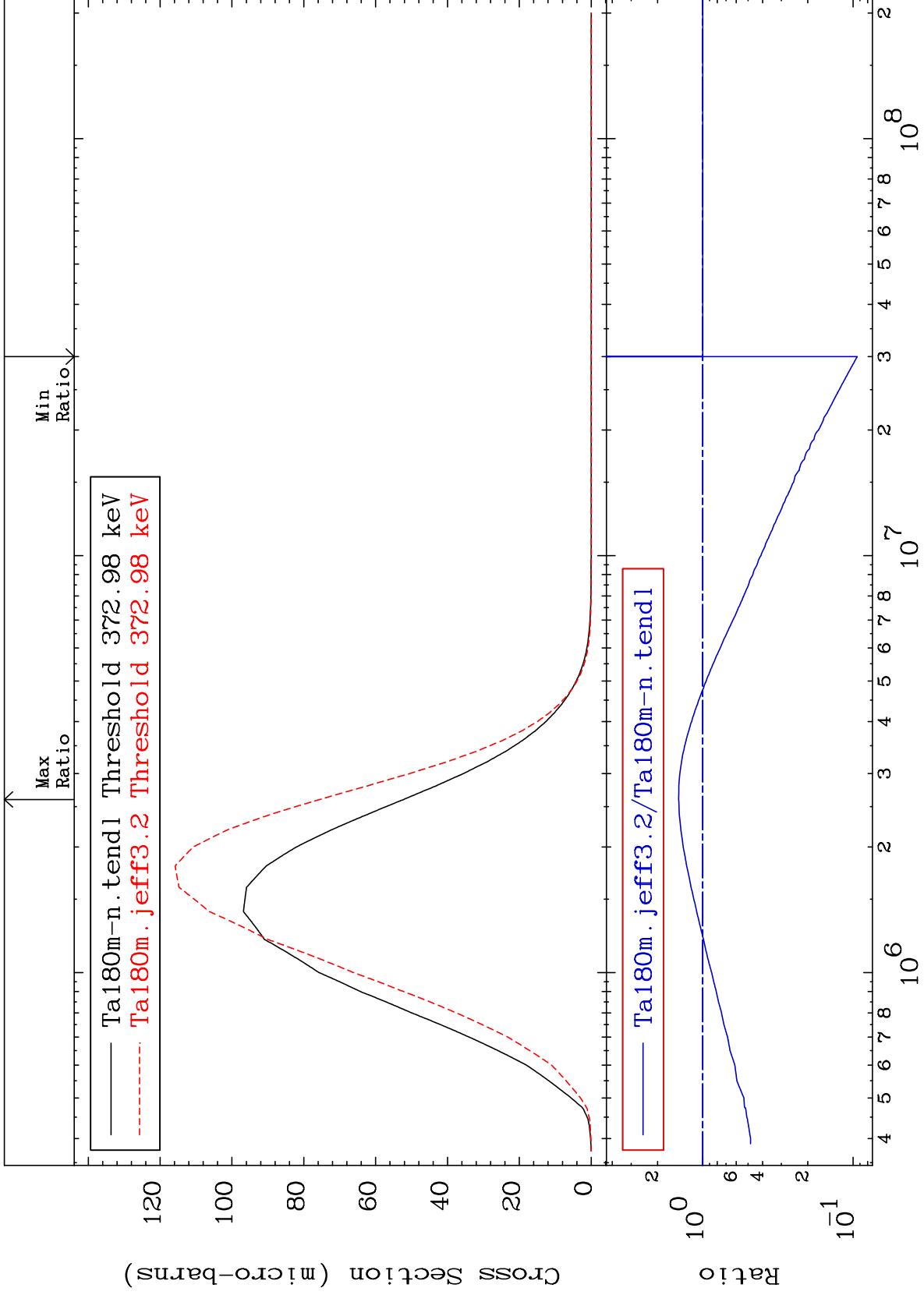
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7326

448.0 keV (n,n') Level
Cross Section

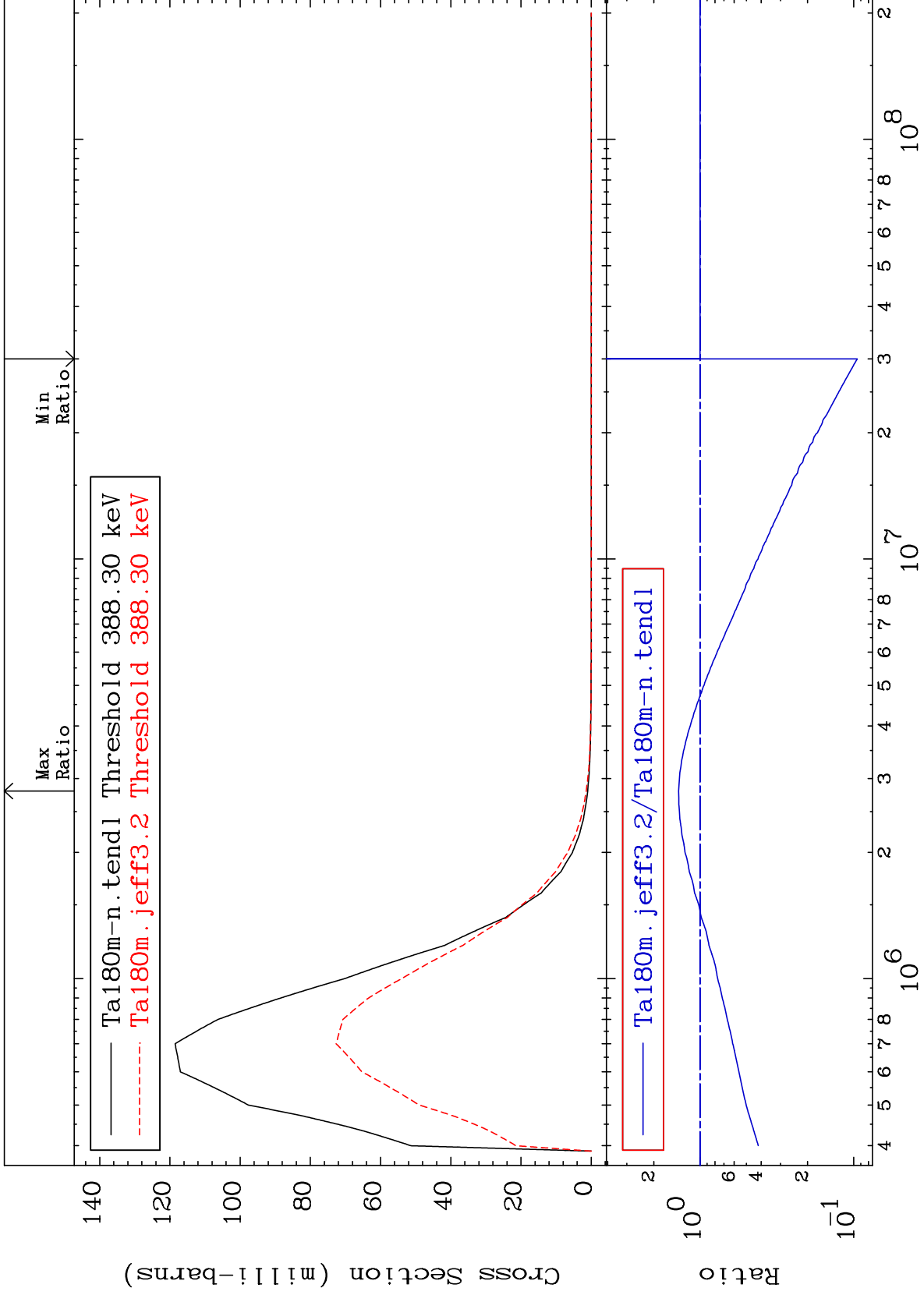
⁷³Ta-¹⁸⁰Ta
-90.62 To 44.77 %



MAT 7326

463.2 keV (n,n') Level
Cross Section

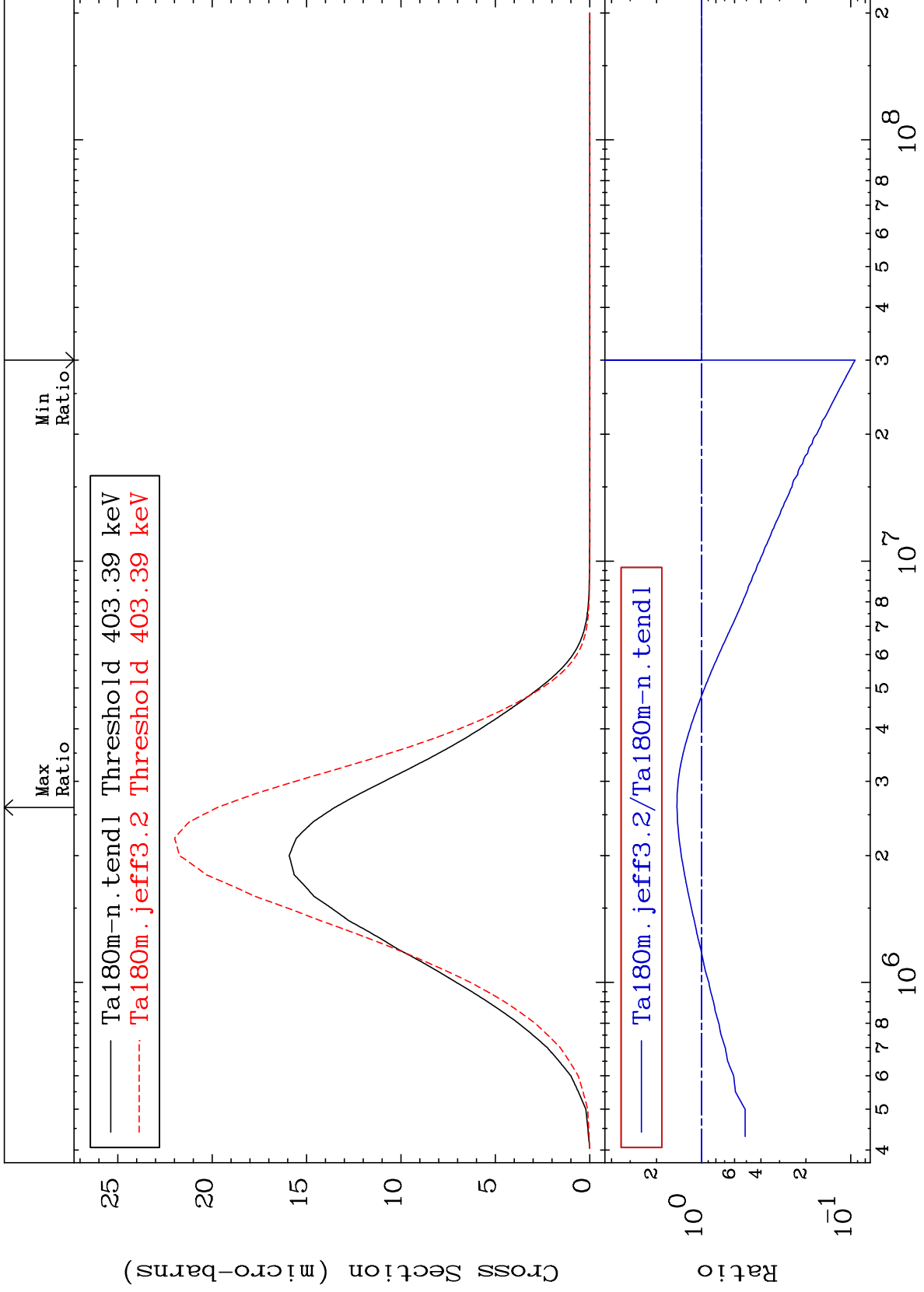
⁷³Ta-¹⁸⁰
-90.52 To 37.96 %



MAT 7326

478.2 keV (n,n') Level
Cross Section

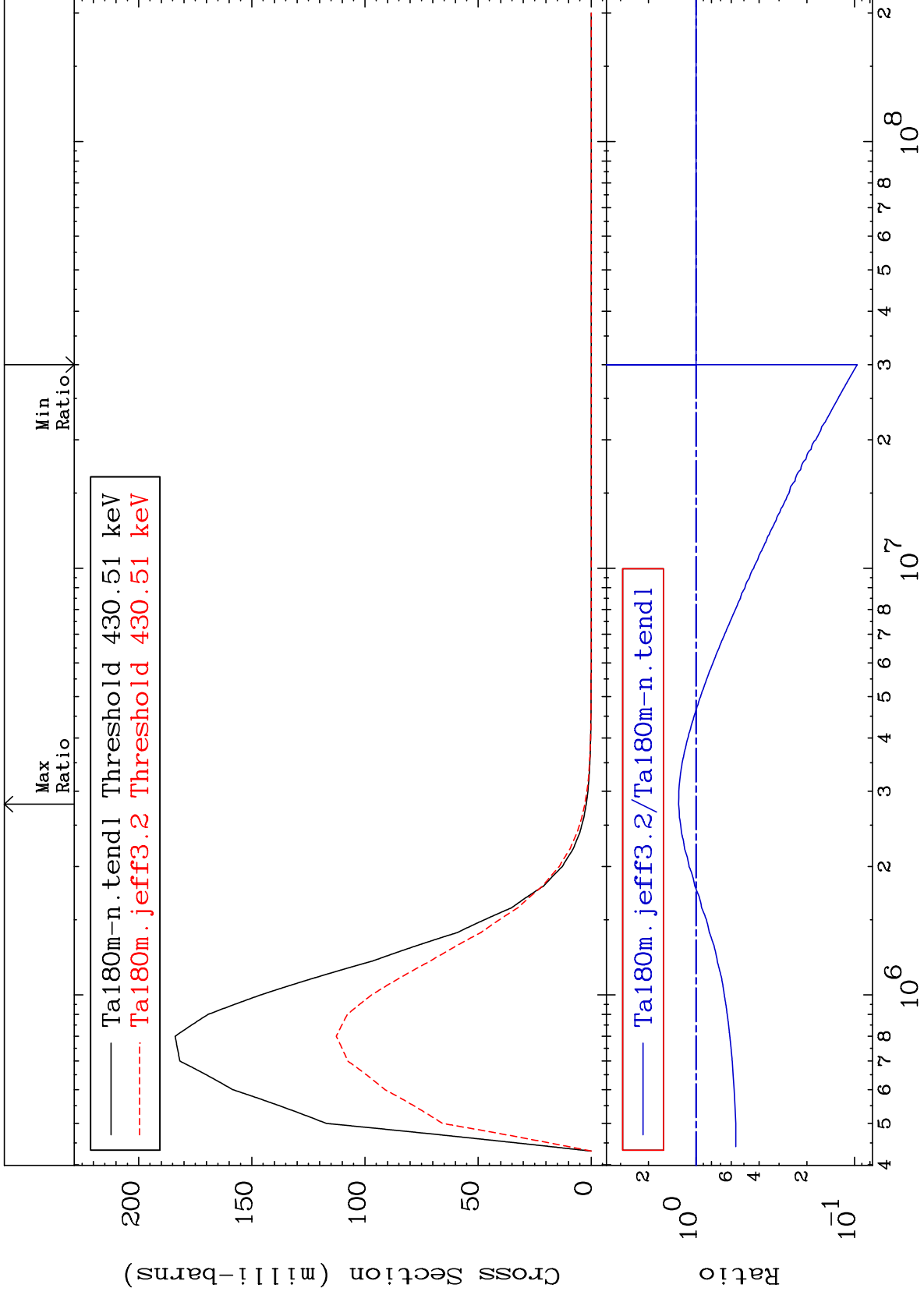
⁷³Ta-¹⁸⁰
-90.64 To 46.00 %



MAT 7326

505.2 keV (n,n') Level
Cross Section

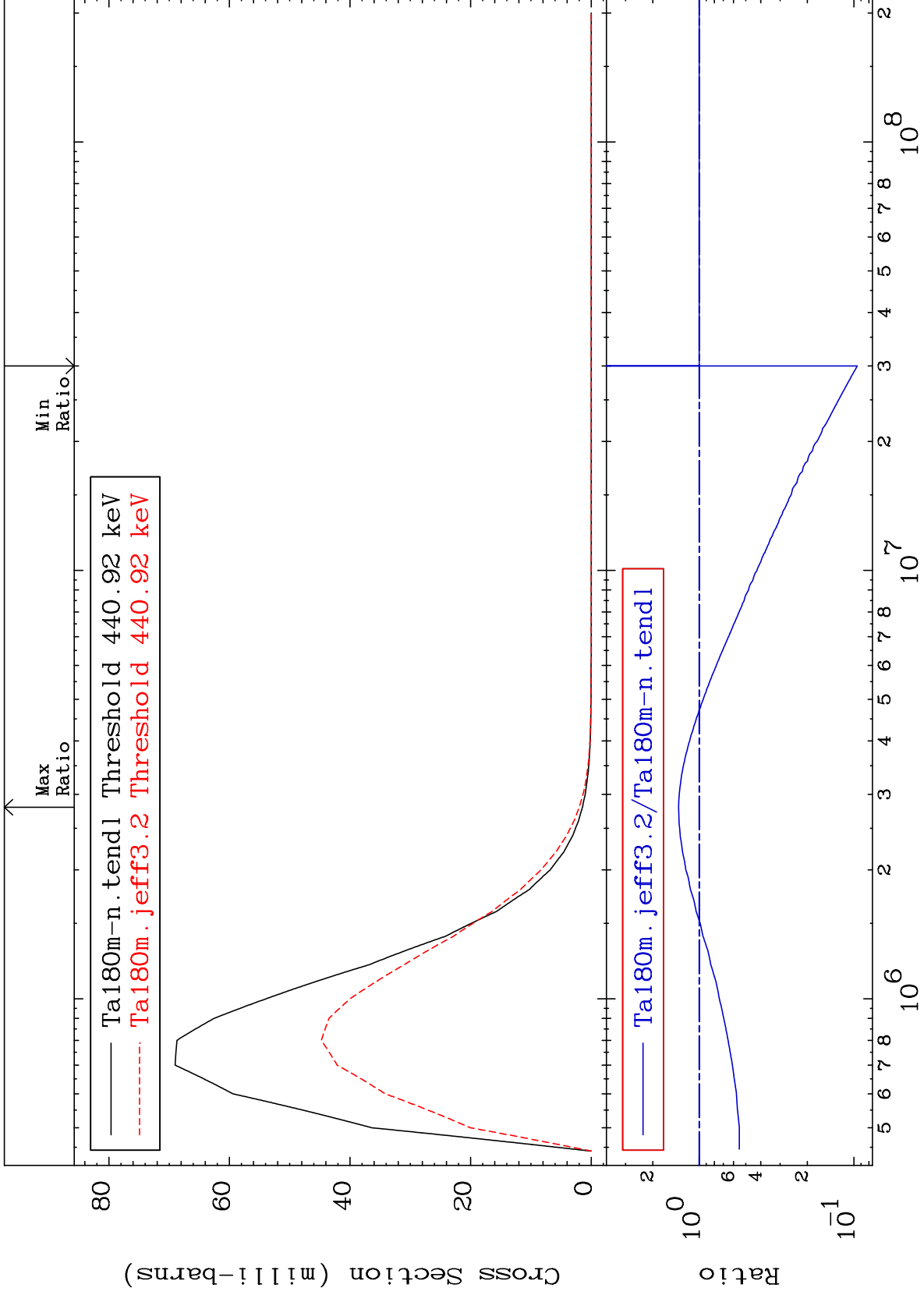
⁷³Ta-¹⁸⁰
-90.38 To 28.92 %



MAT 7326

515.6 keV (n,n') Level
Cross Section

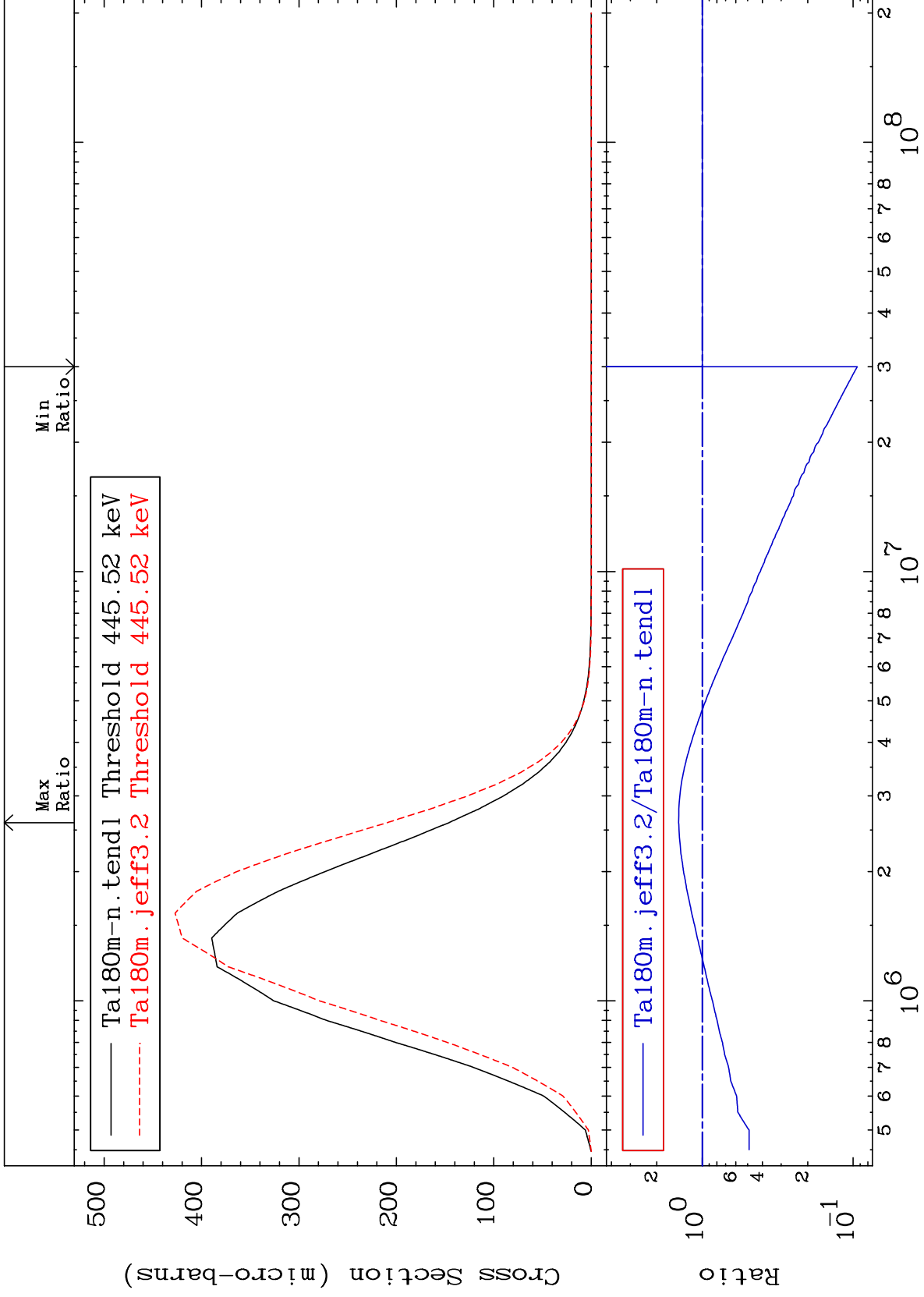
⁷³Ta-¹⁸⁰
-90.49 To 35.99 %



MAT 7326

520.1 keV (n,n') Level
Cross Section

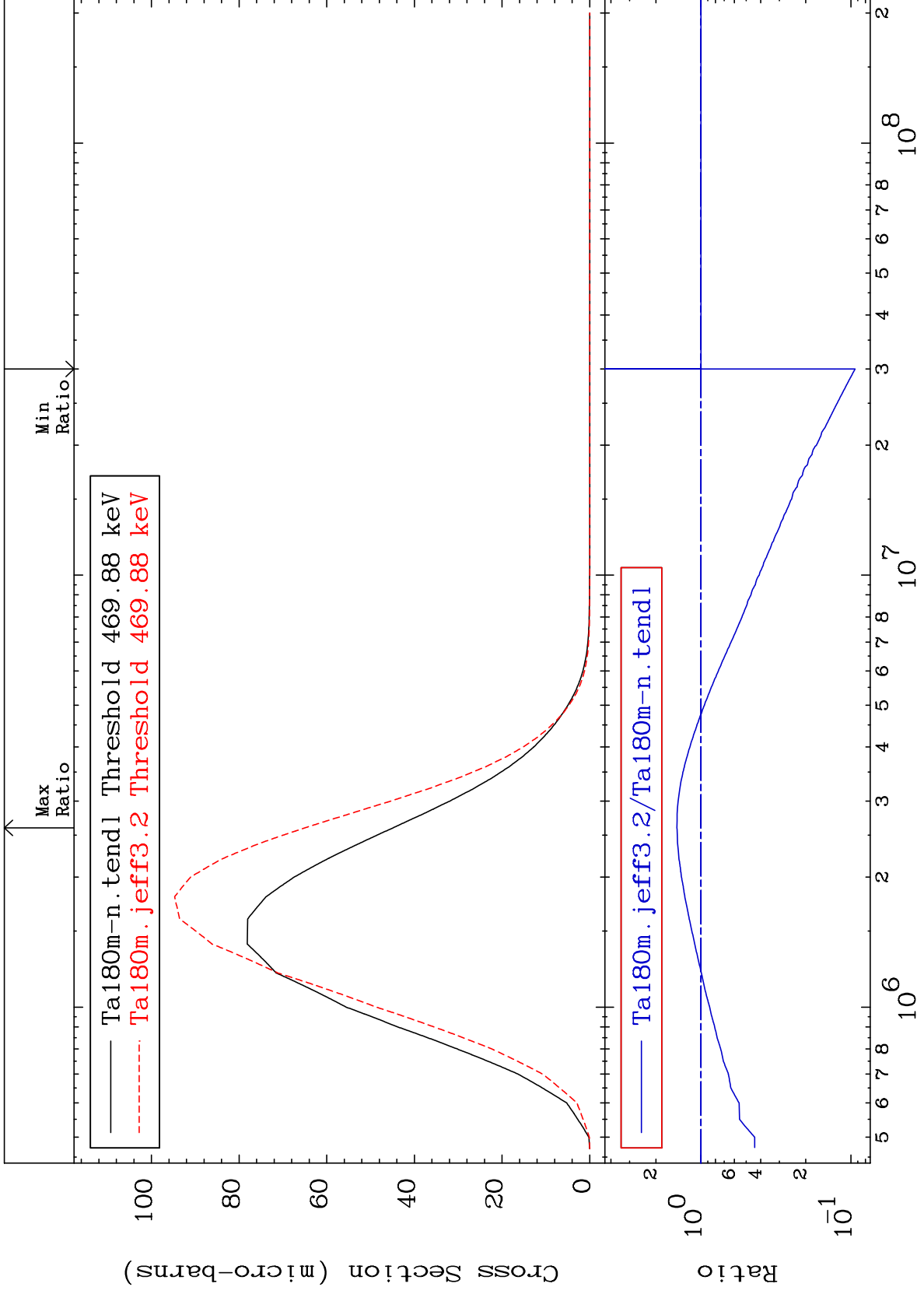
⁷³Ta-¹⁸⁰
-90.60 To 43.42 %



MAT 7326

544.4 keV (n,n') Level
Cross Section

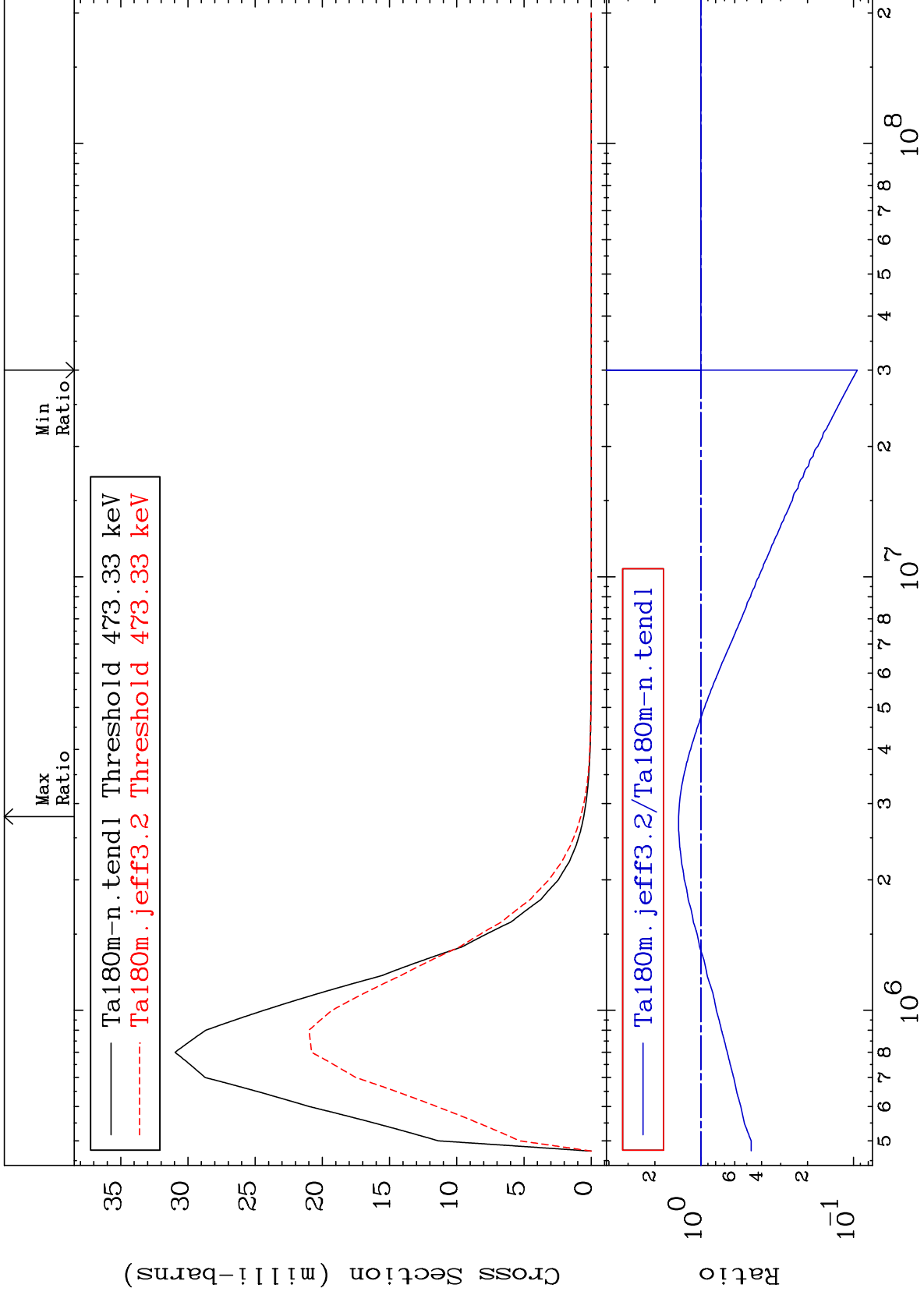
⁷³Ta-¹⁸⁰
-90.62 To 44.84 %



MAT 7326

547.8 keV (n,n') Level
Cross Section

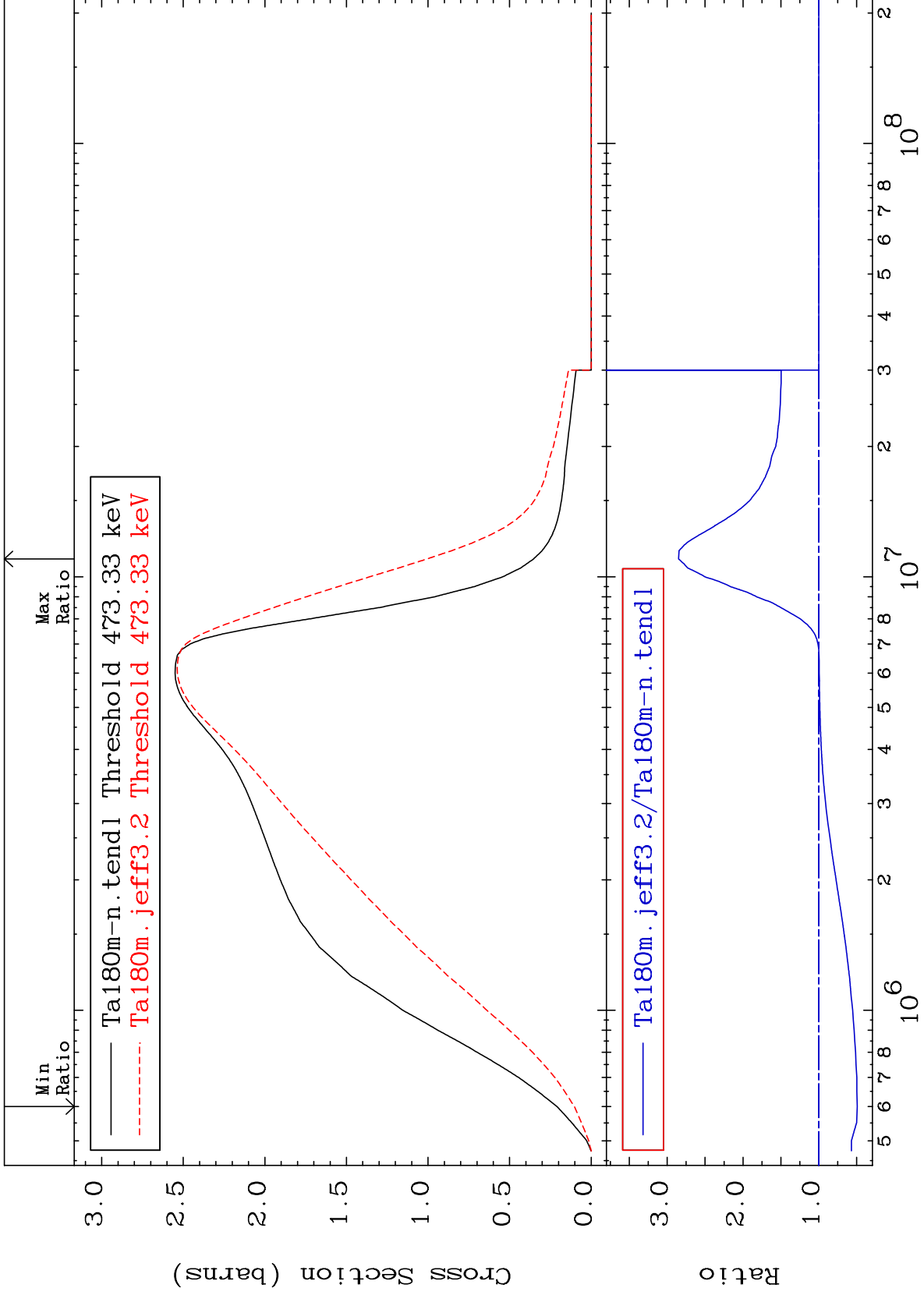
⁷³Ta-¹⁸⁰
-90.55 To 39.87 %



MAT 7326

(n, n') Continuum
Cross Section

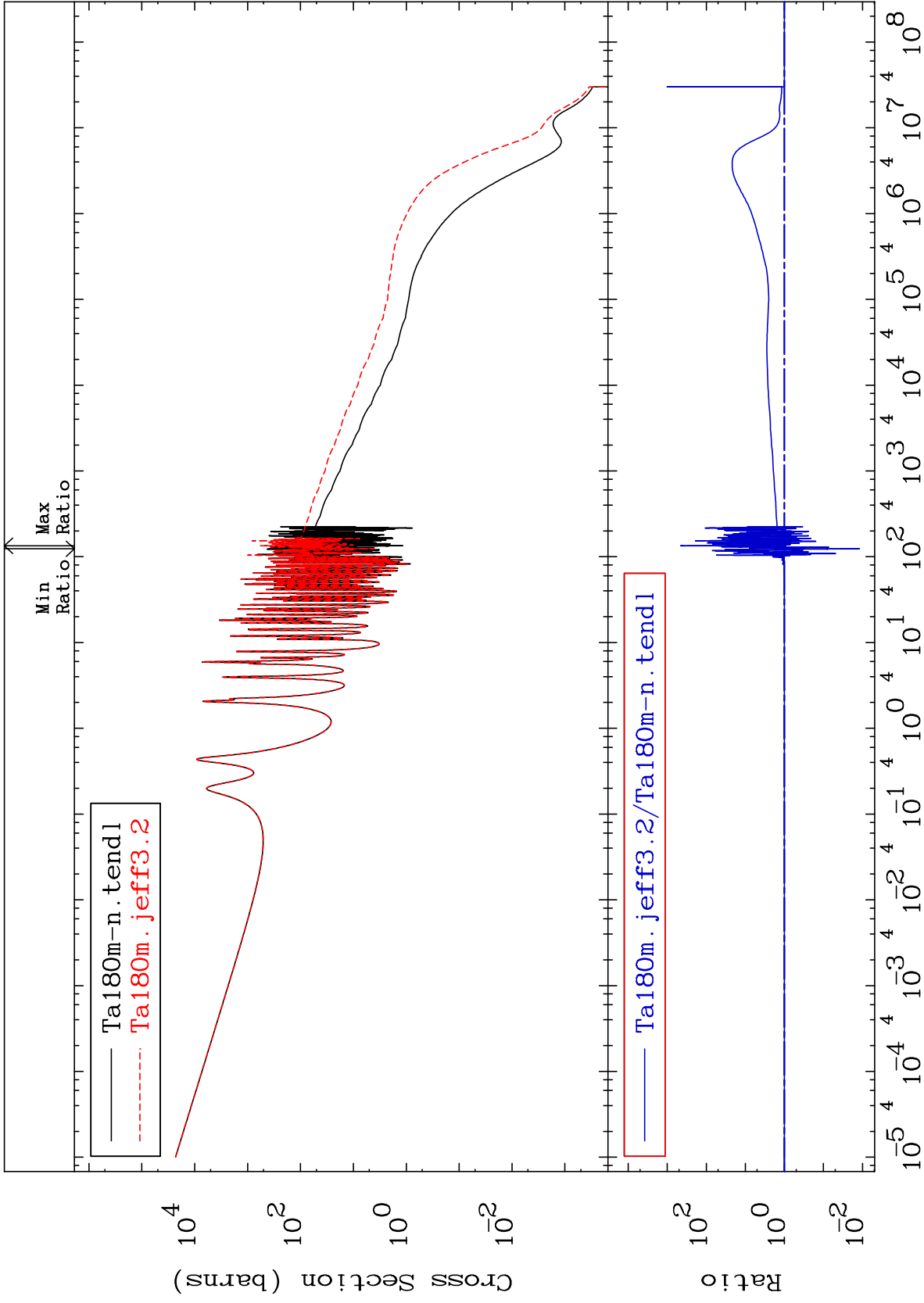
⁷³Ta-¹⁸⁰Ta
-50.71 To 184.9 %



MAT 7326

(n, γ)
Cross Section

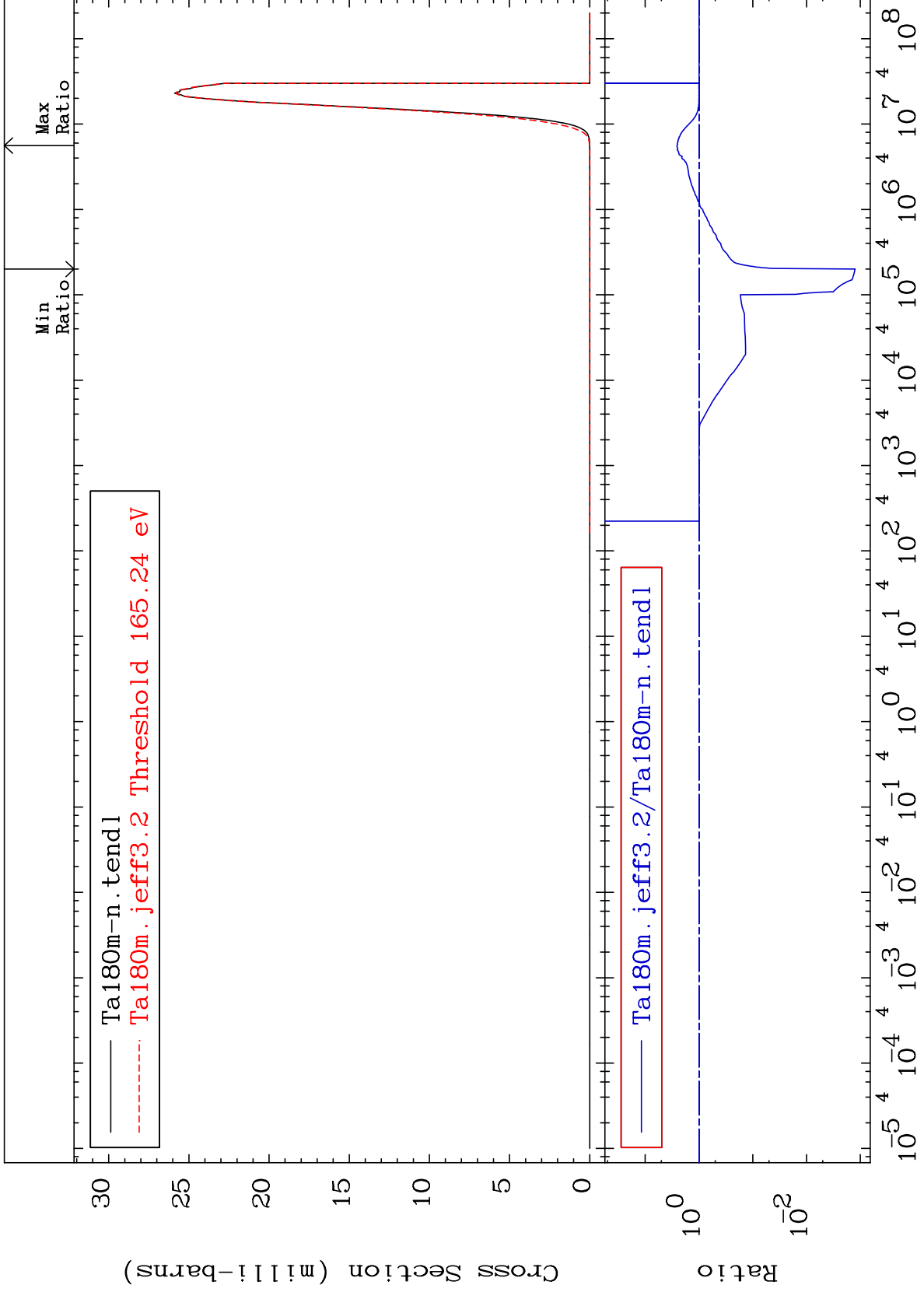
73-Ta-180
-98.80 To 9999. %



MAT 7326

(n,p)
Cross Section

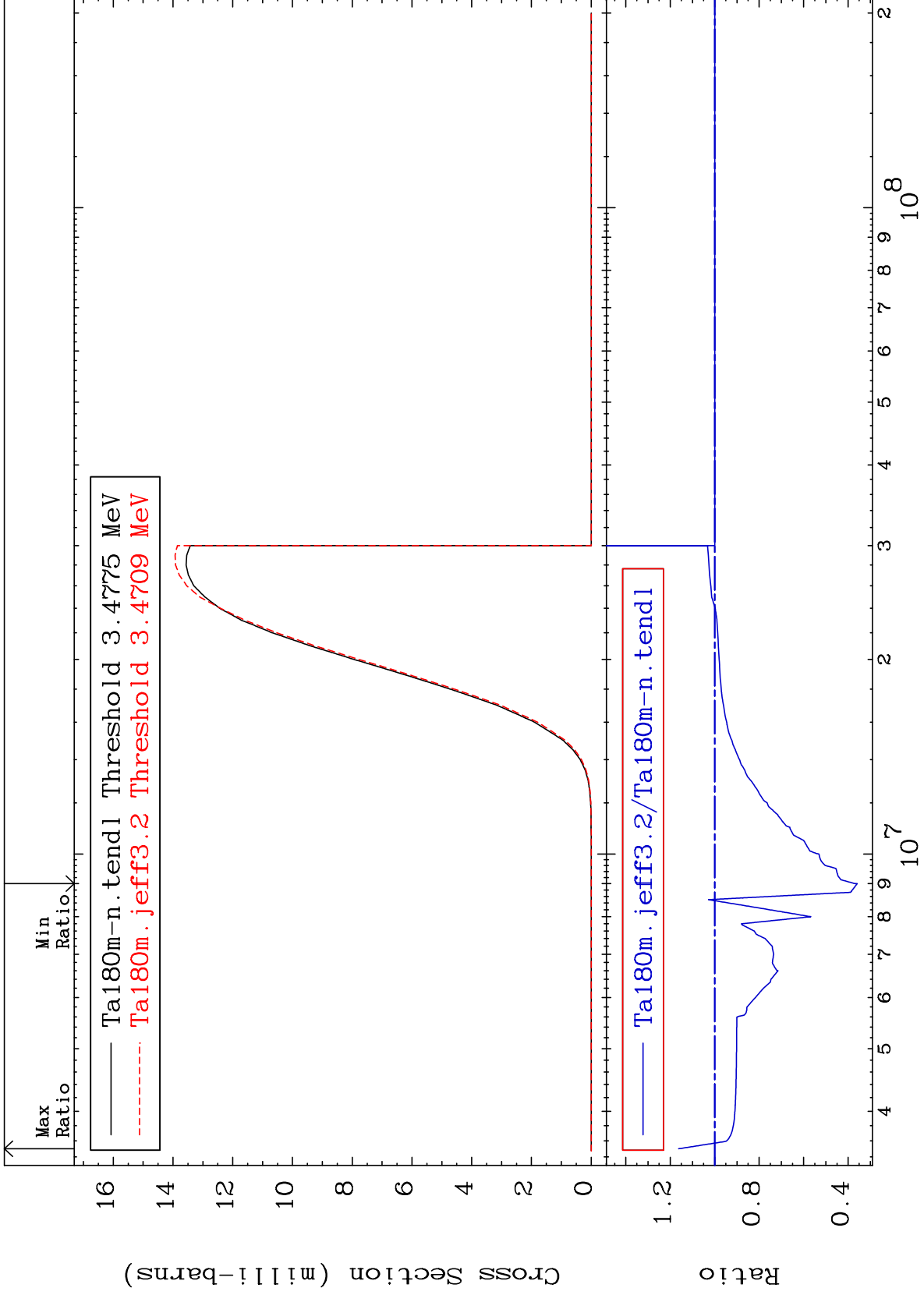
73-Ta-180
-99.87 To 157.1 %



MAT 7326

(n, d)
Cross Section

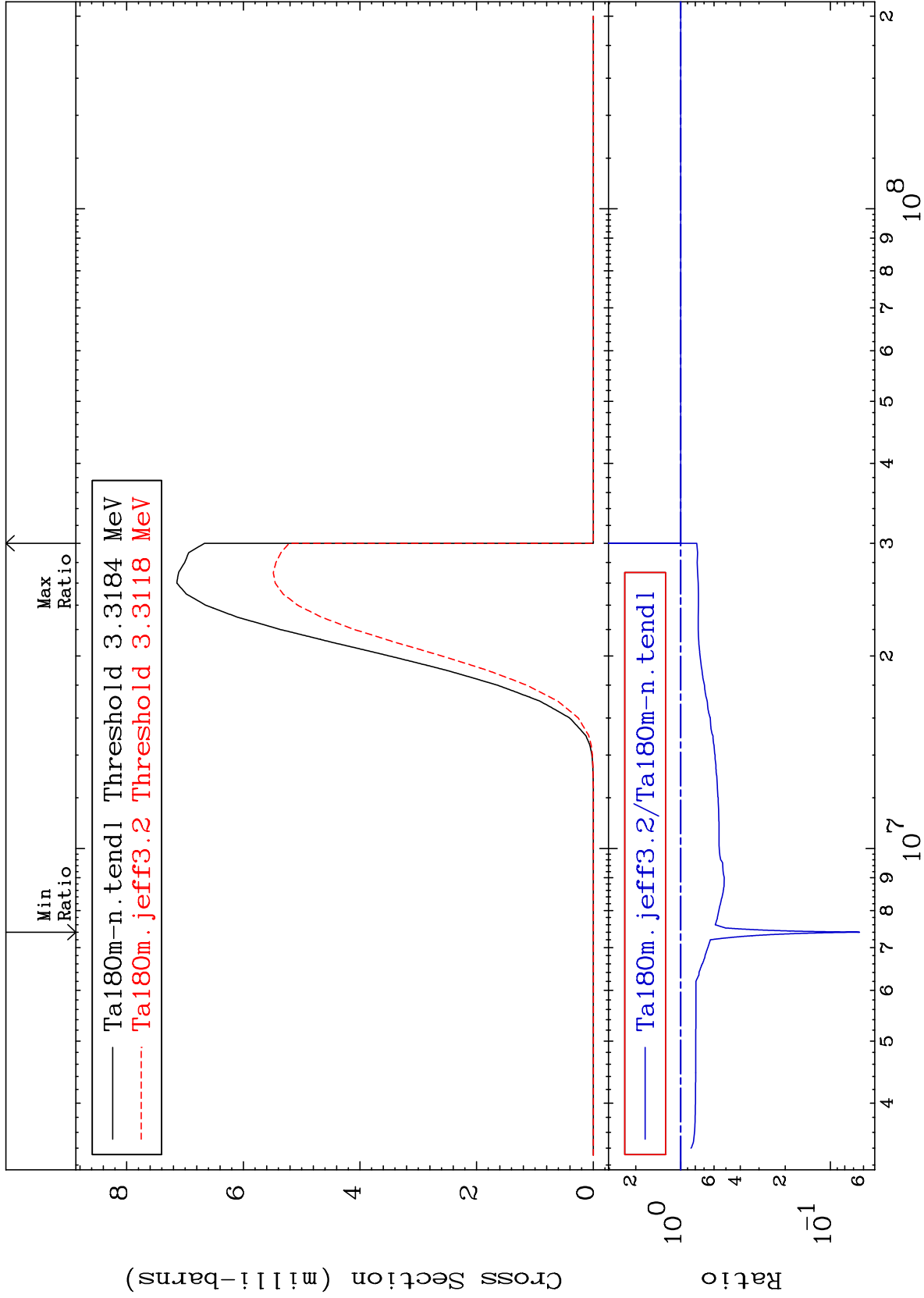
$^{73}\text{Ta-180}$
-64.11 To 16.22 %



MAT 7326

⁷³Ta-180

(n, t)
Cross Section
-93.62 To 0.000 %



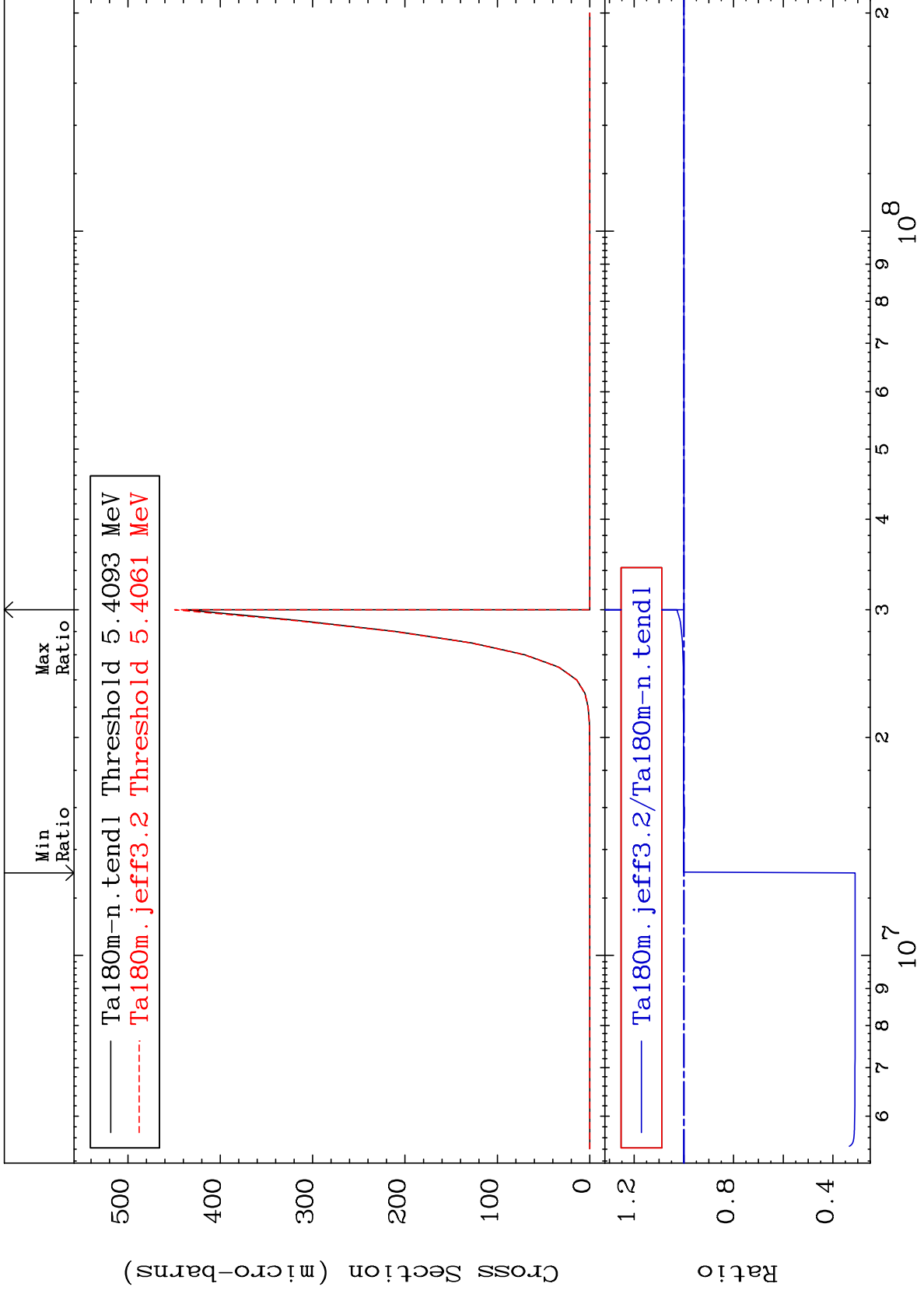
MAT 7326

(n, He-3)

⁷³Ta-180

Cross Section

-68.90 To 2.818 %



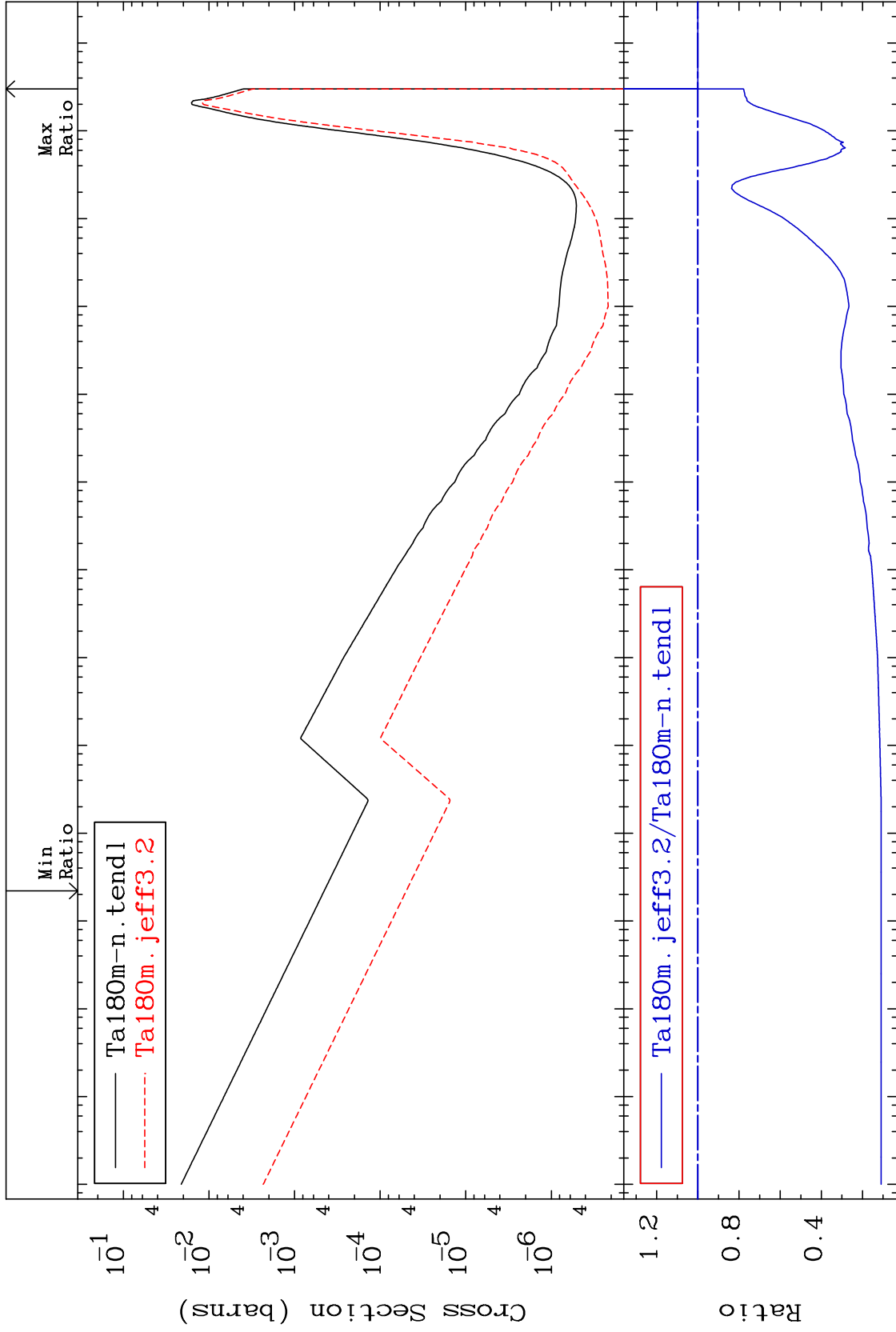
MAT 7326

(n, α)

⁷³Ta-¹⁸⁰

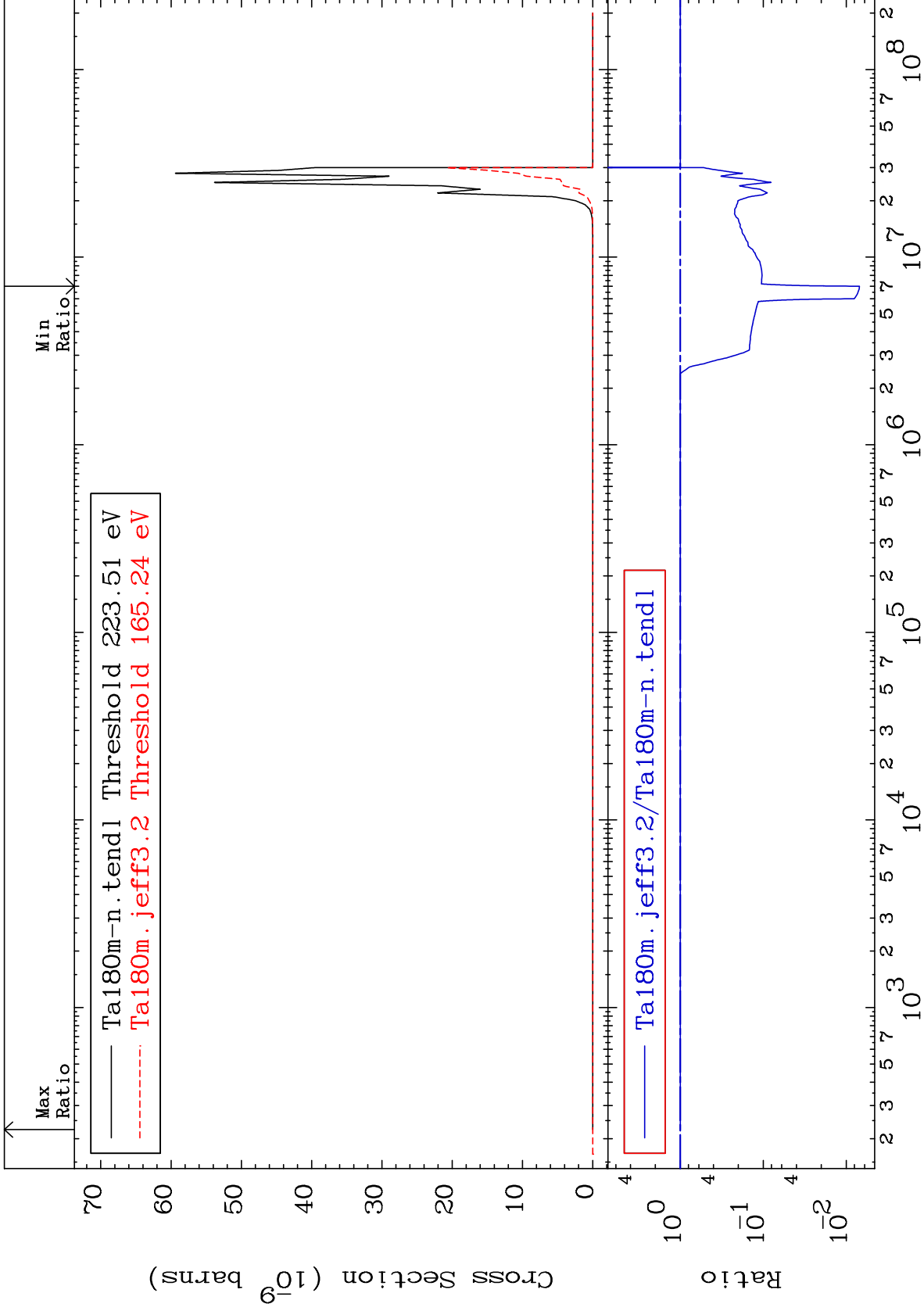
Cross Section

-89.03 To 0.000 %



Cross Section

-99.30 To 0.000 %

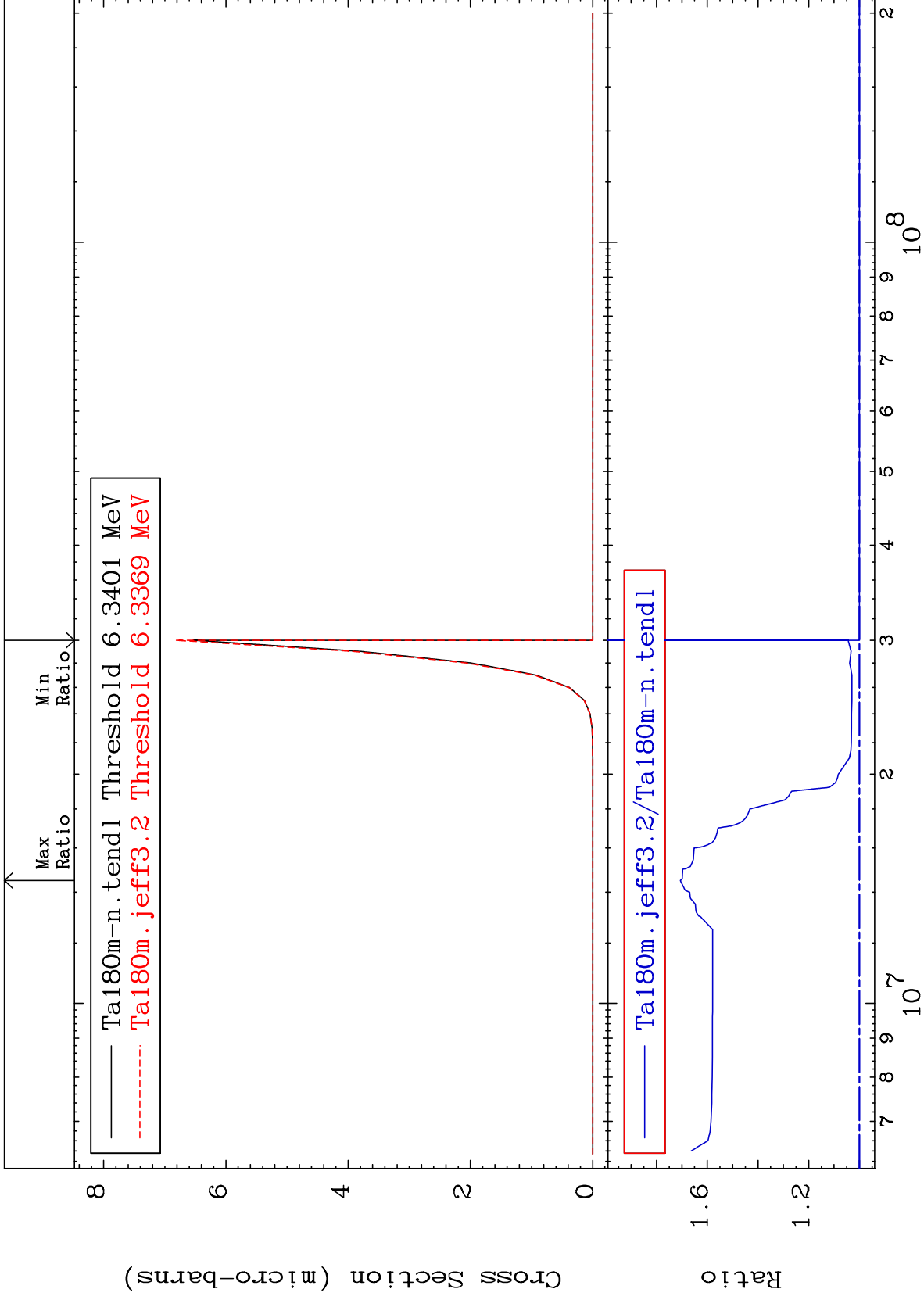


MAT 7326

(n,2p)

73-Ta-180
0.000 To 70.61 %

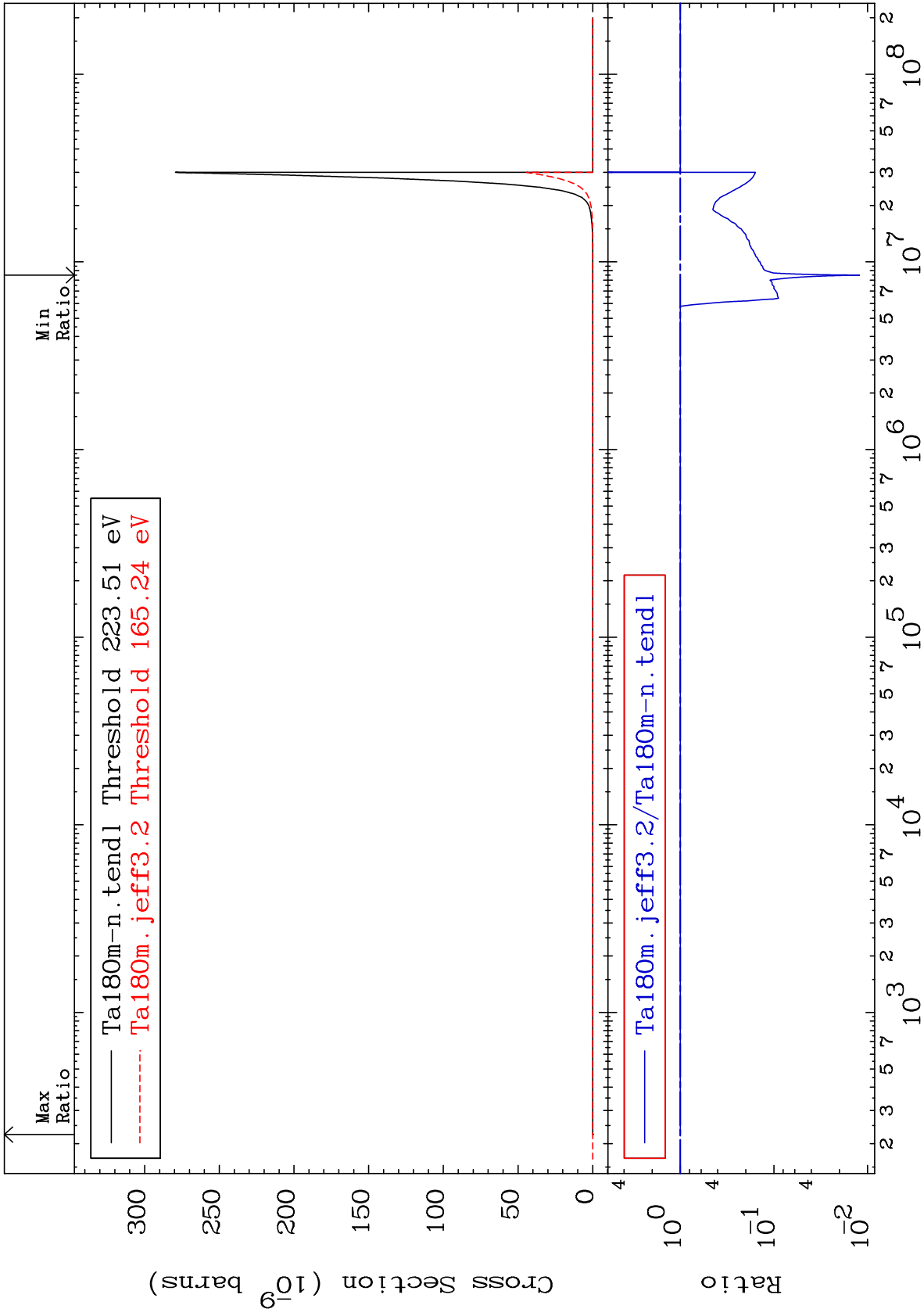
Cross Section



MAT 7326

(n,p) α
Cross Section

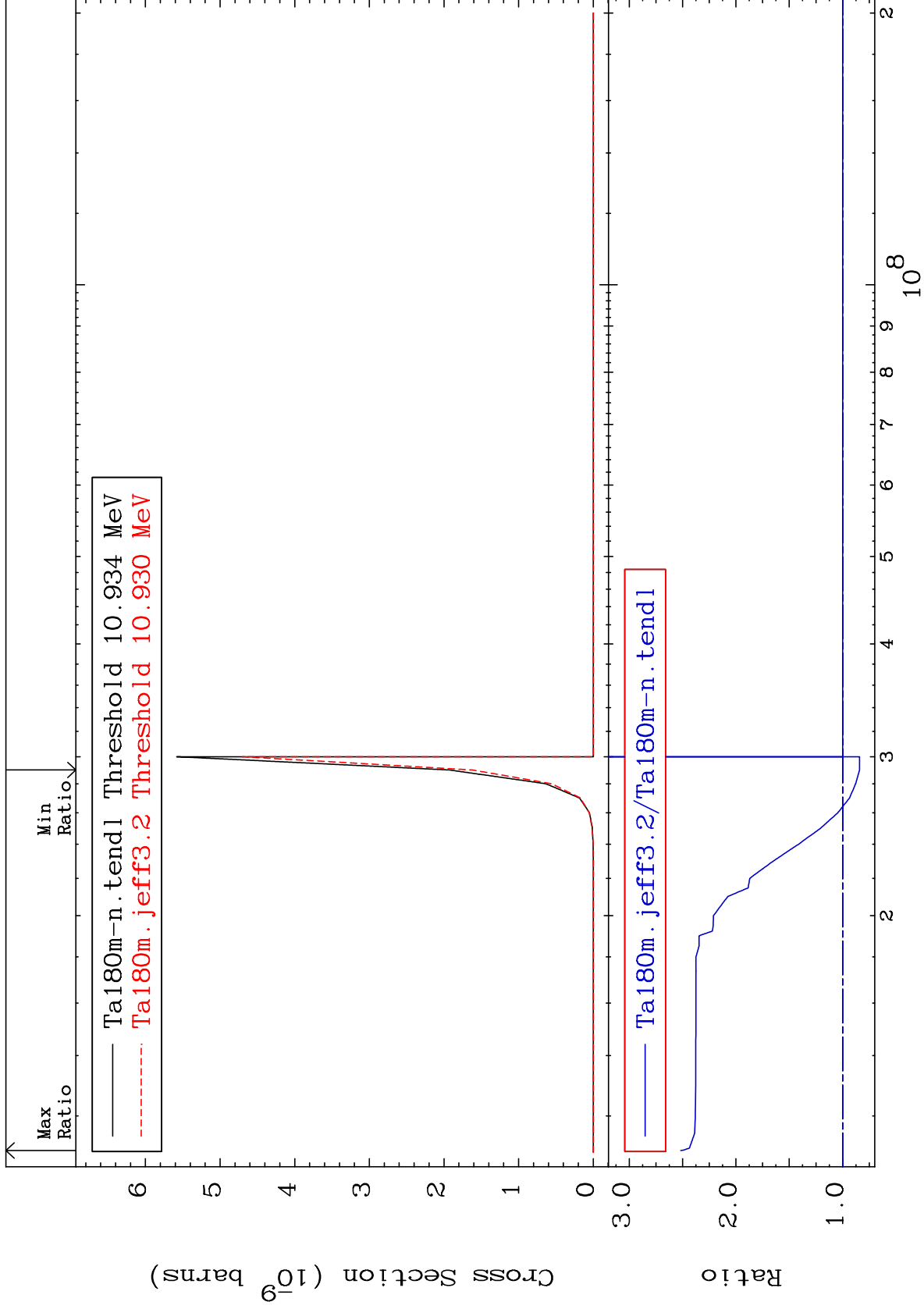
$^{73}\text{Ta-180}$
-98.78 To 0.000 %



MAT 7326

(n,p) d
Cross Section

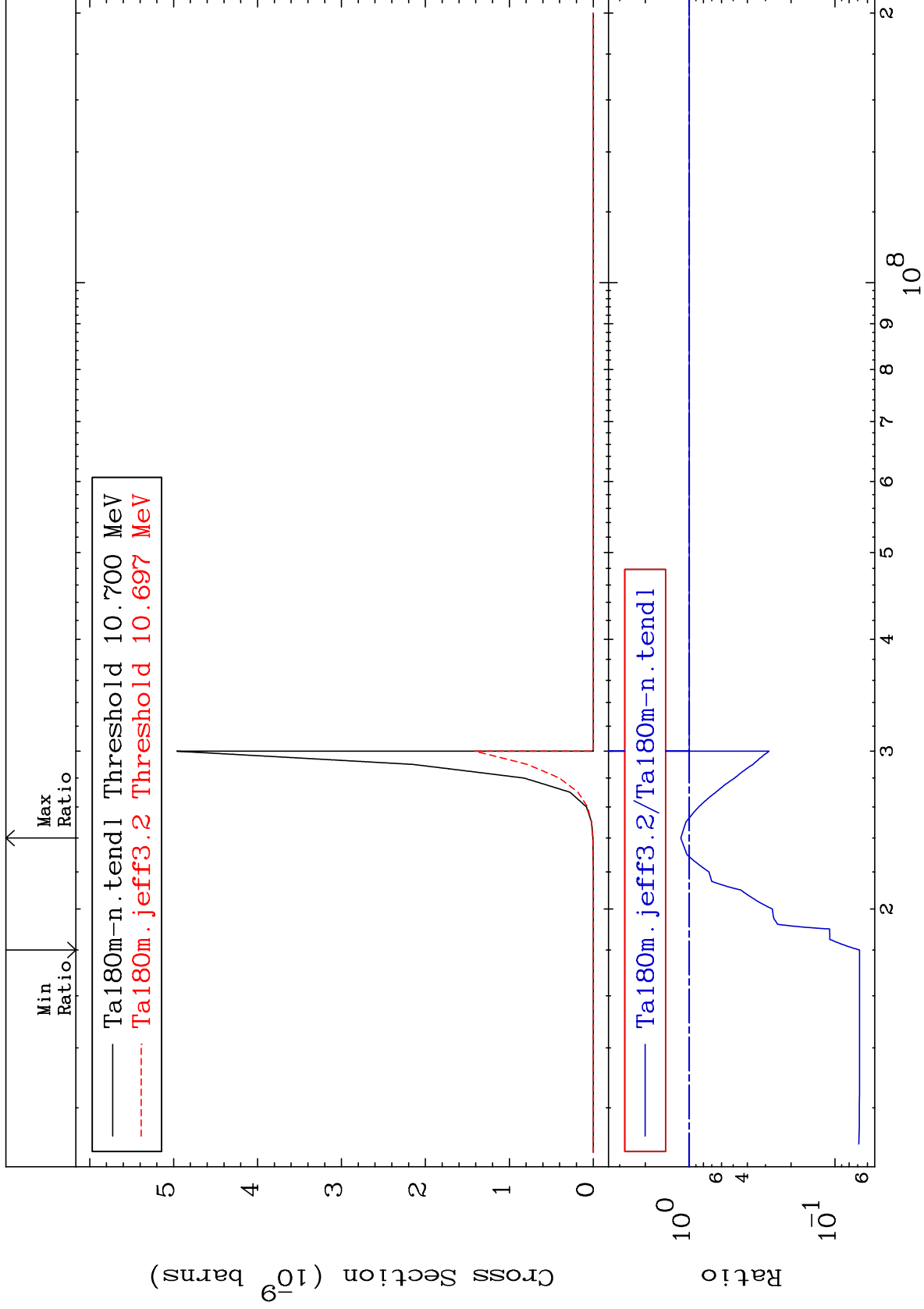
⁷³Ta-¹⁸⁰
-15.87 To 151.7 %



MAT 7326

(n,p) t
Cross Section

⁷³Ta-¹⁸⁰Ta
-93.21 To 14.36 %



60

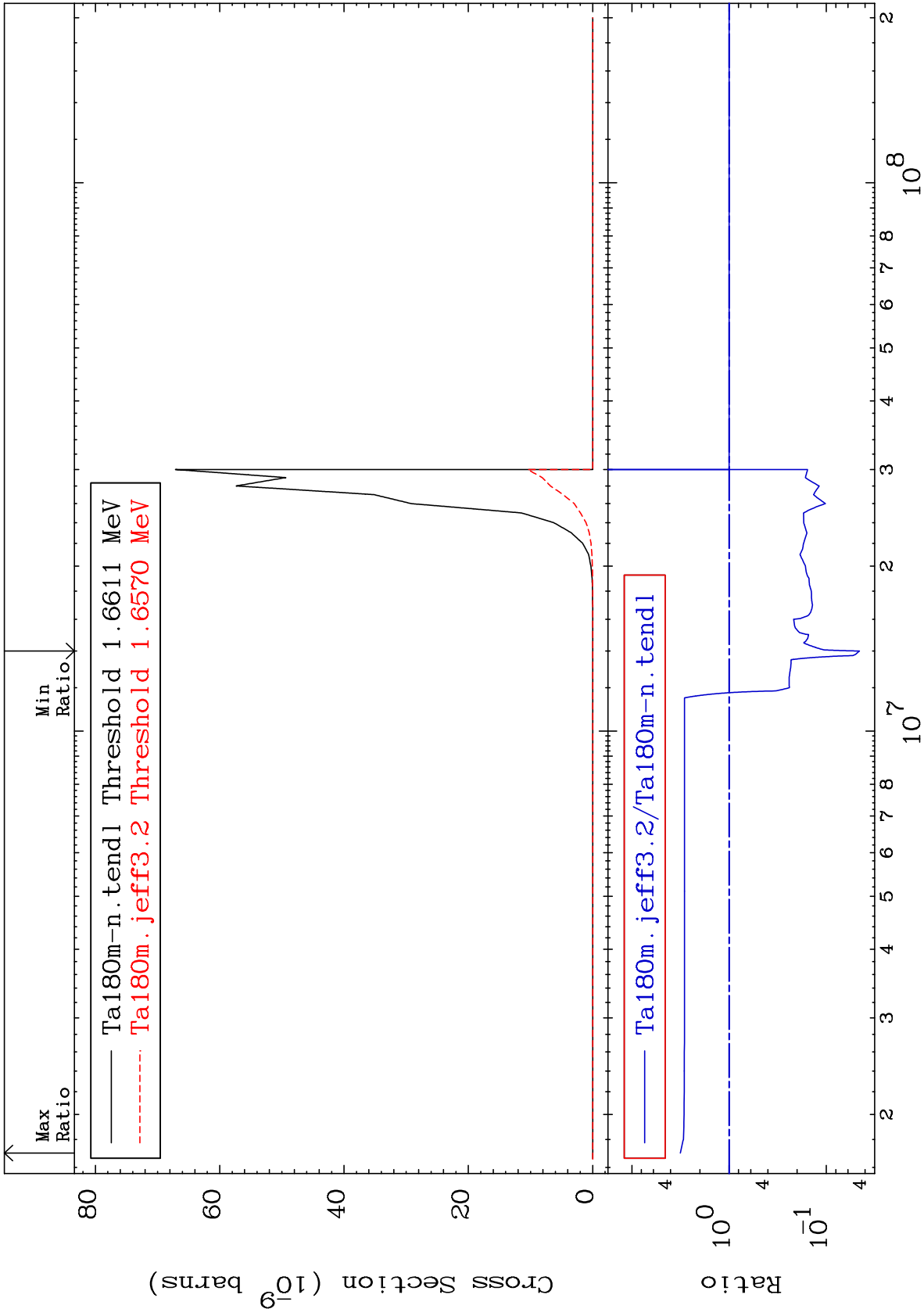
Incident Energy (eV)

⁷³Ta-¹⁸⁰Ta

MAT 7326

(n, d) α
Cross Section

$^{73}\text{Ta}-180$
-95.43 To 217.3 %



61

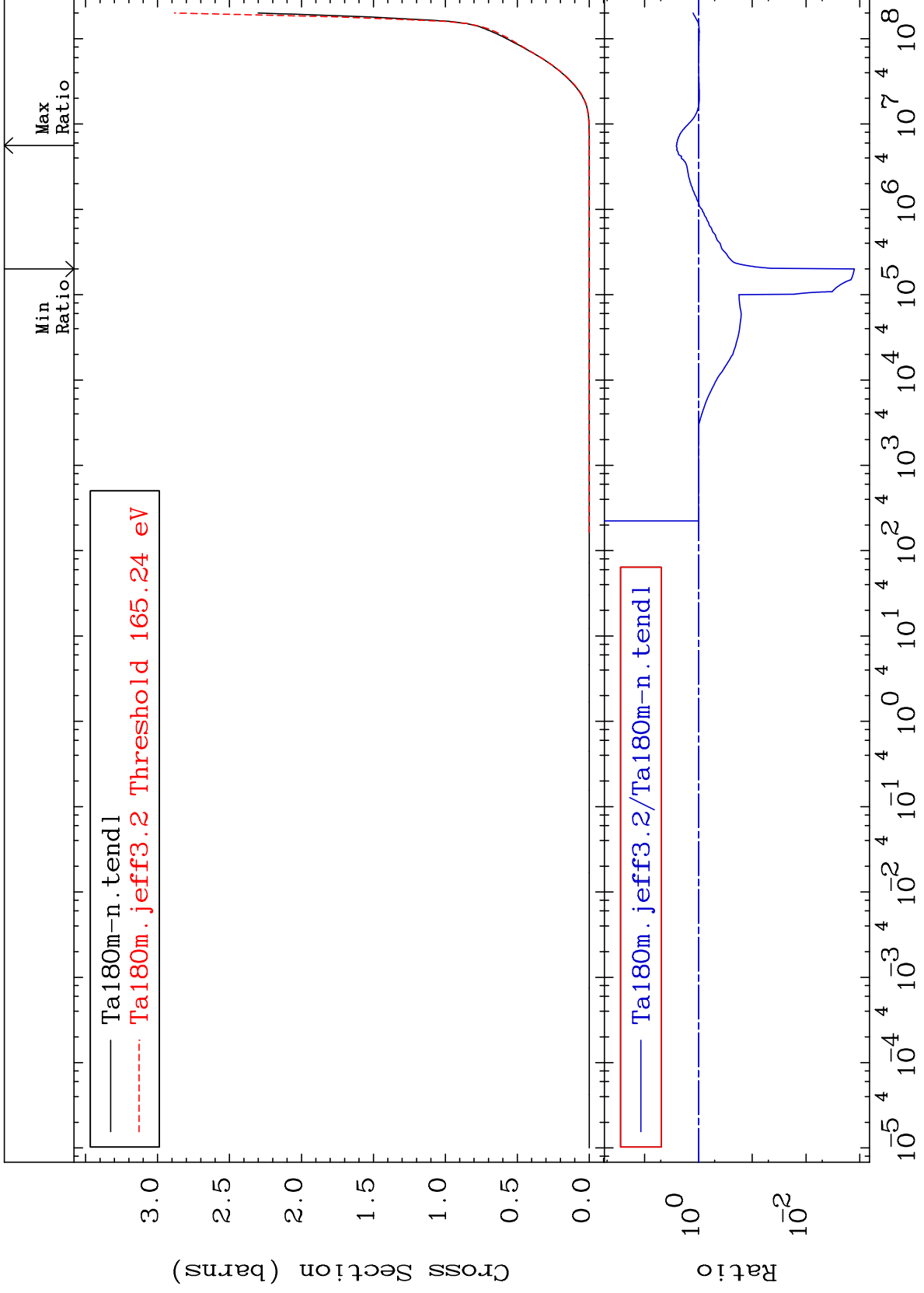
Incident Energy (eV)

$^{73}\text{Ta}-180$

MAT 7326

Hydrogen Production Cross Section

⁷³Ta-¹⁸⁰Ta
-99.87 To 157.1 %



62

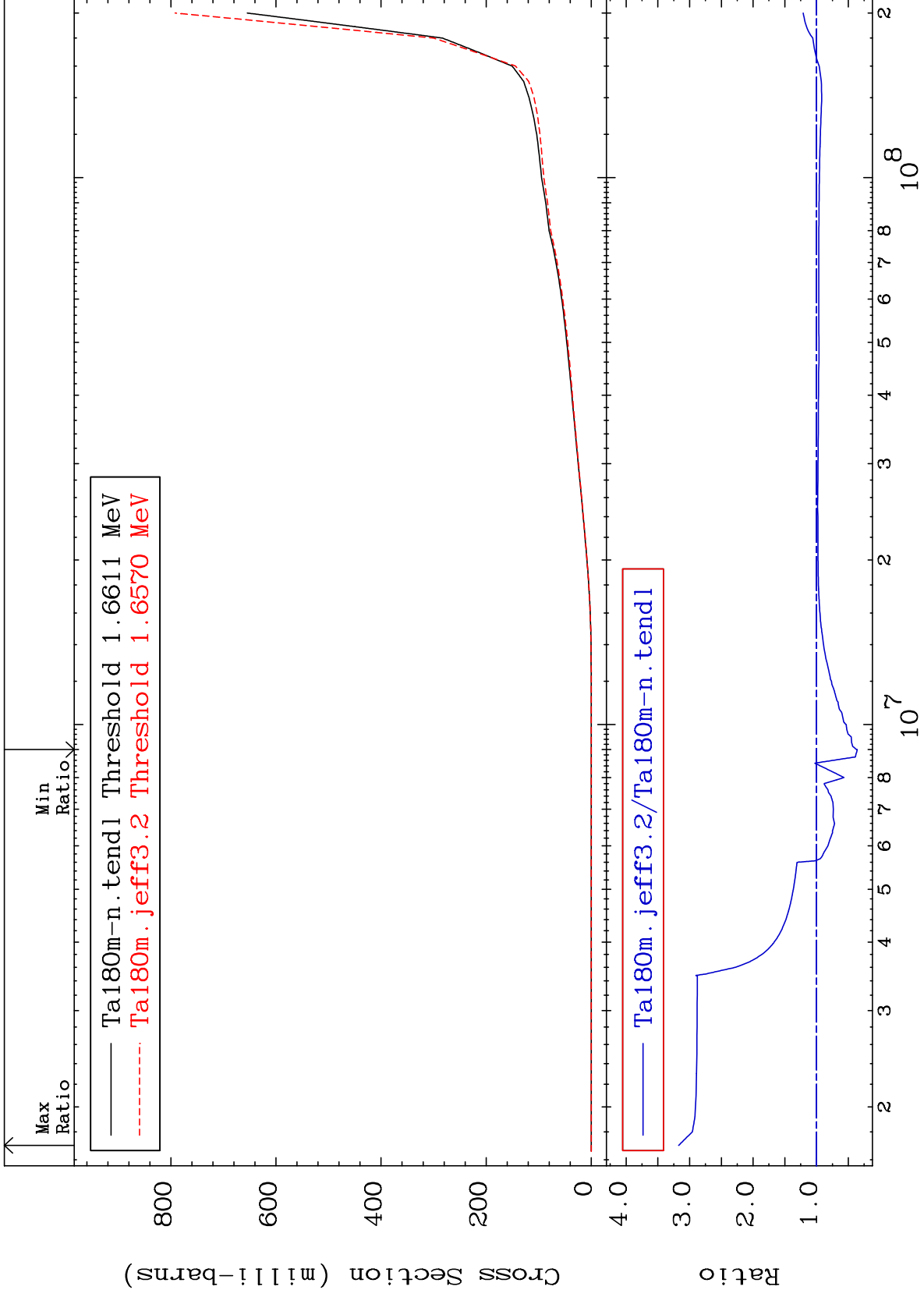
Incident Energy (eV)

⁷³Ta-¹⁸⁰Ta

MAT 7326

Deuterium Production
Cross Section

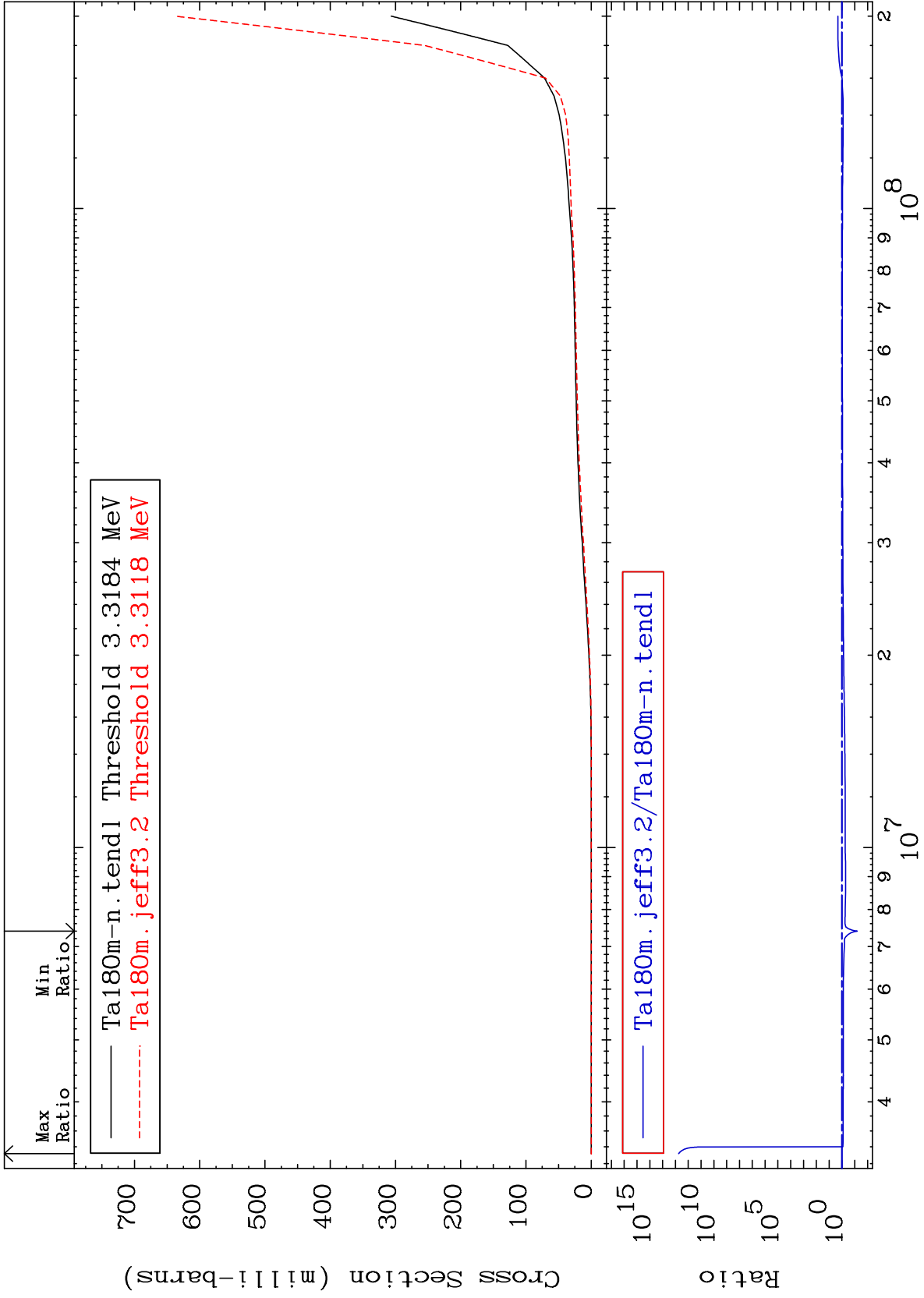
⁷³Ta-¹⁸⁰
-64.11 To 217.3 %



MAT 7326

Tritium Production
Cross Section

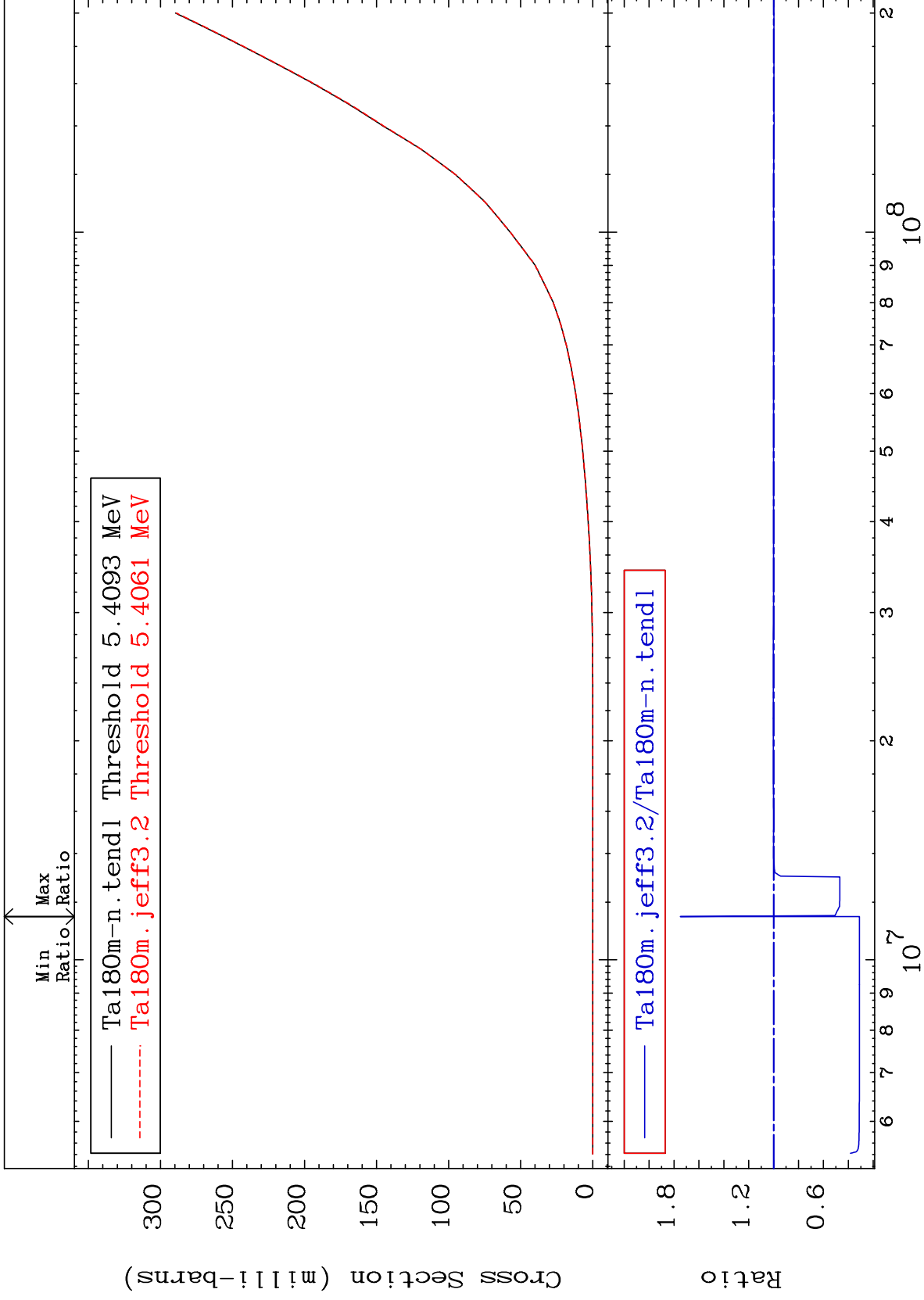
⁷³Ta-¹⁸⁰
-93.62 To 9999. %



MAT 7326

He-3 Production
Cross Section

⁷³Ta-¹⁸⁰
-68.90 To 74.89 %



65

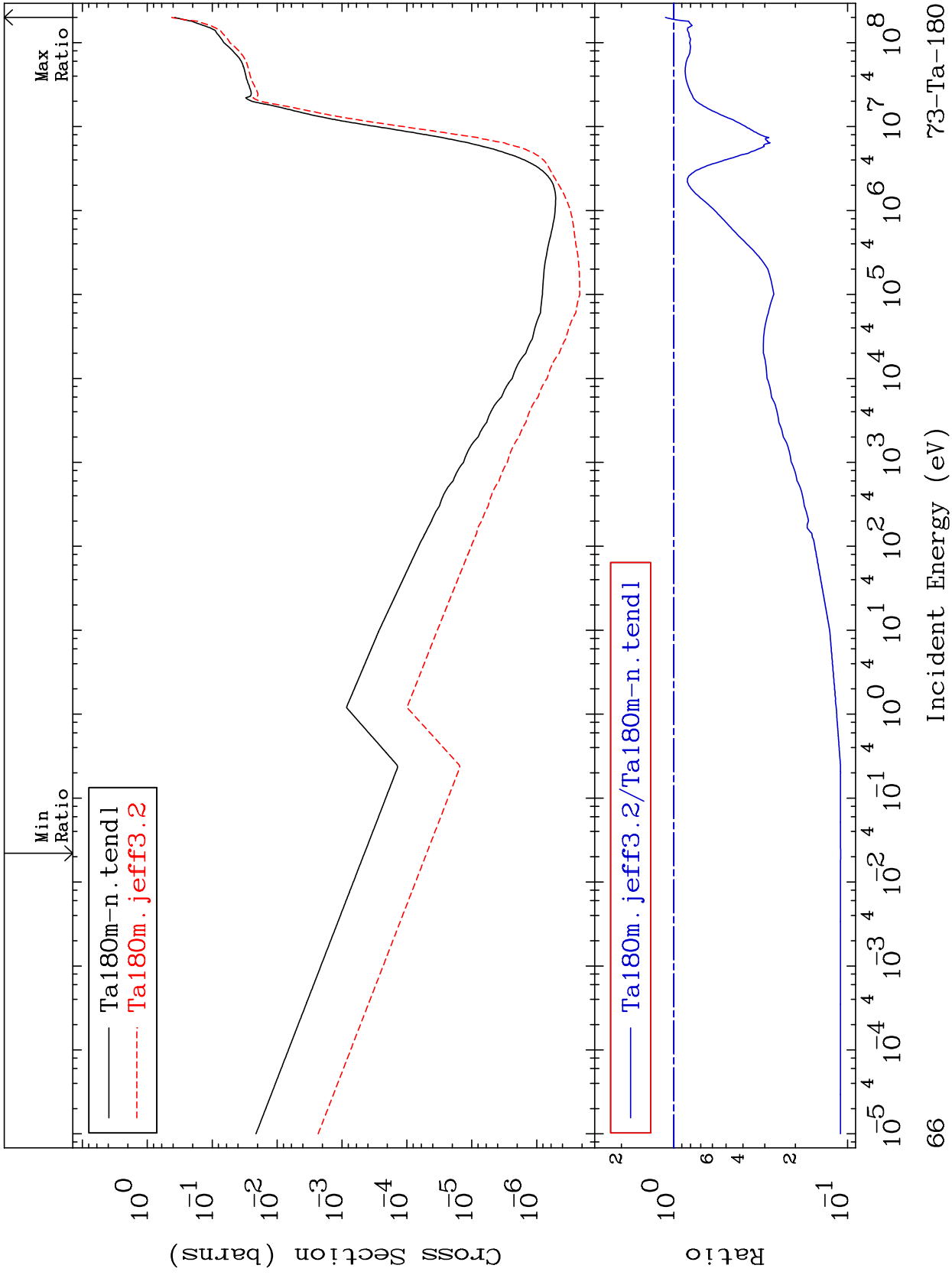
Incident Energy (eV)

⁷³Ta-¹⁸⁰

MAT 7326

He-4 Production
Cross Section

$^{73}\text{Ta-180}$
-89.03 To 11.59 %



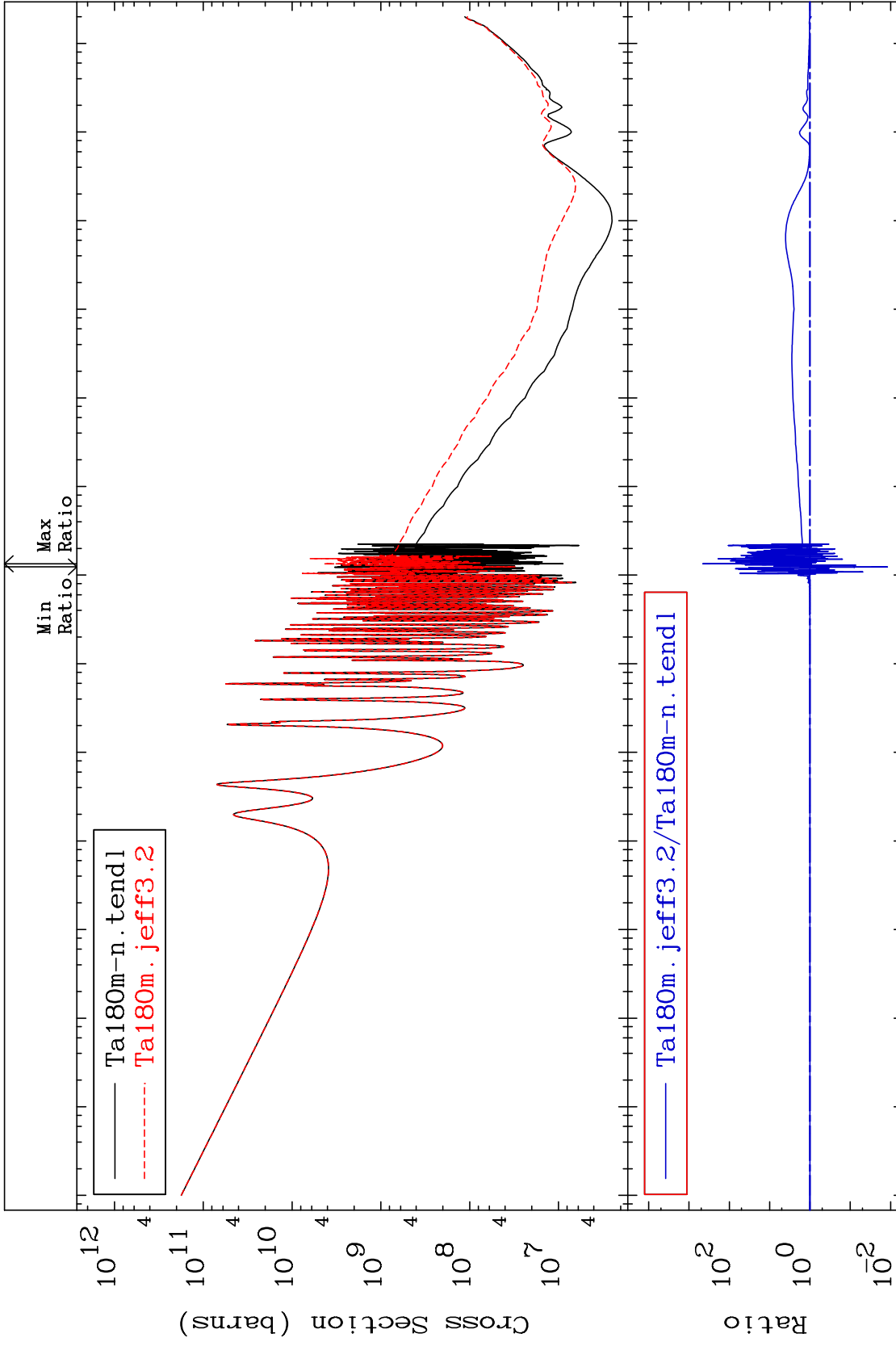
MAT 7326

Kerma total (eV-barns)

⁷³Ta-180

-98.80 To 9999. %

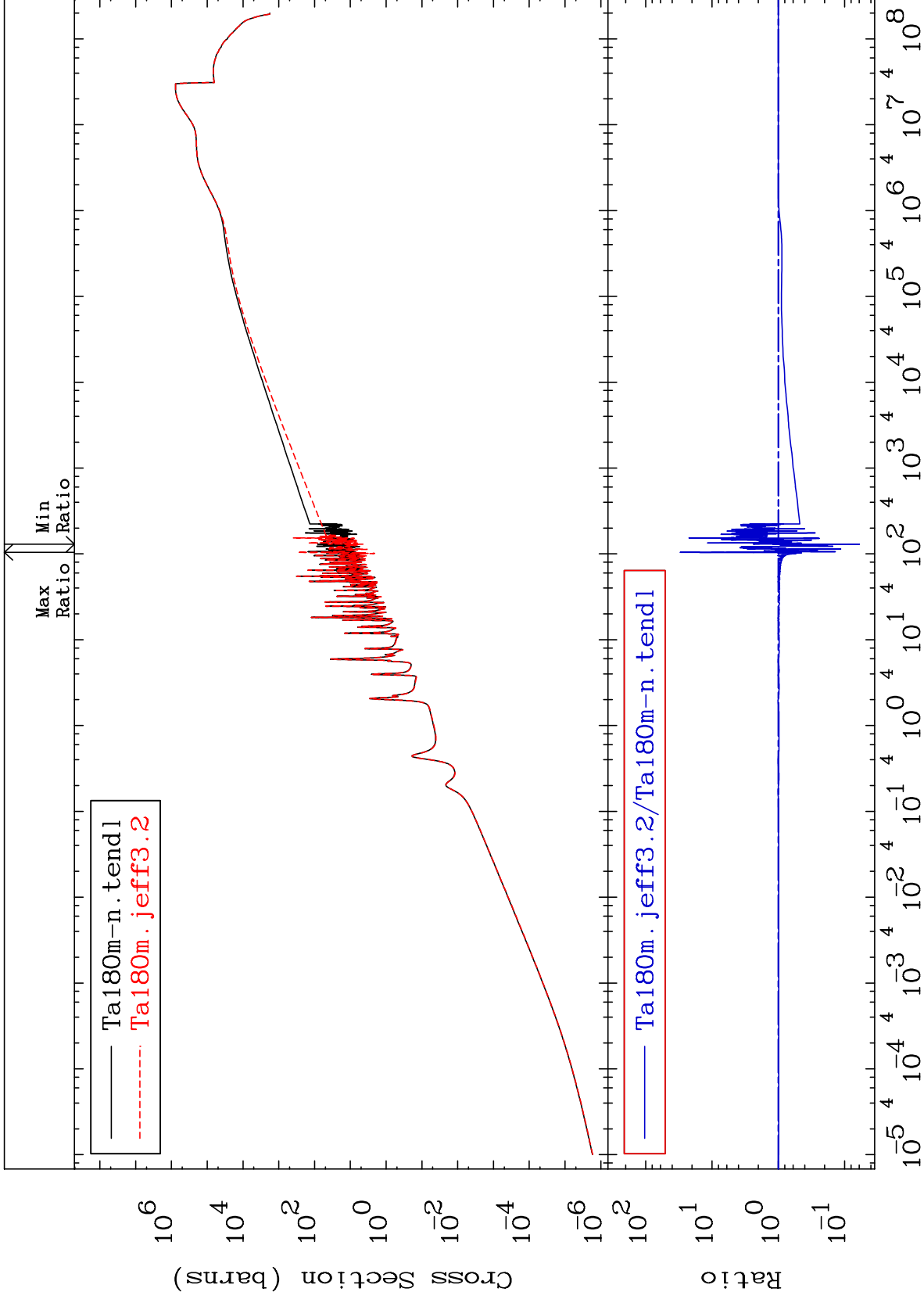
Cross Section

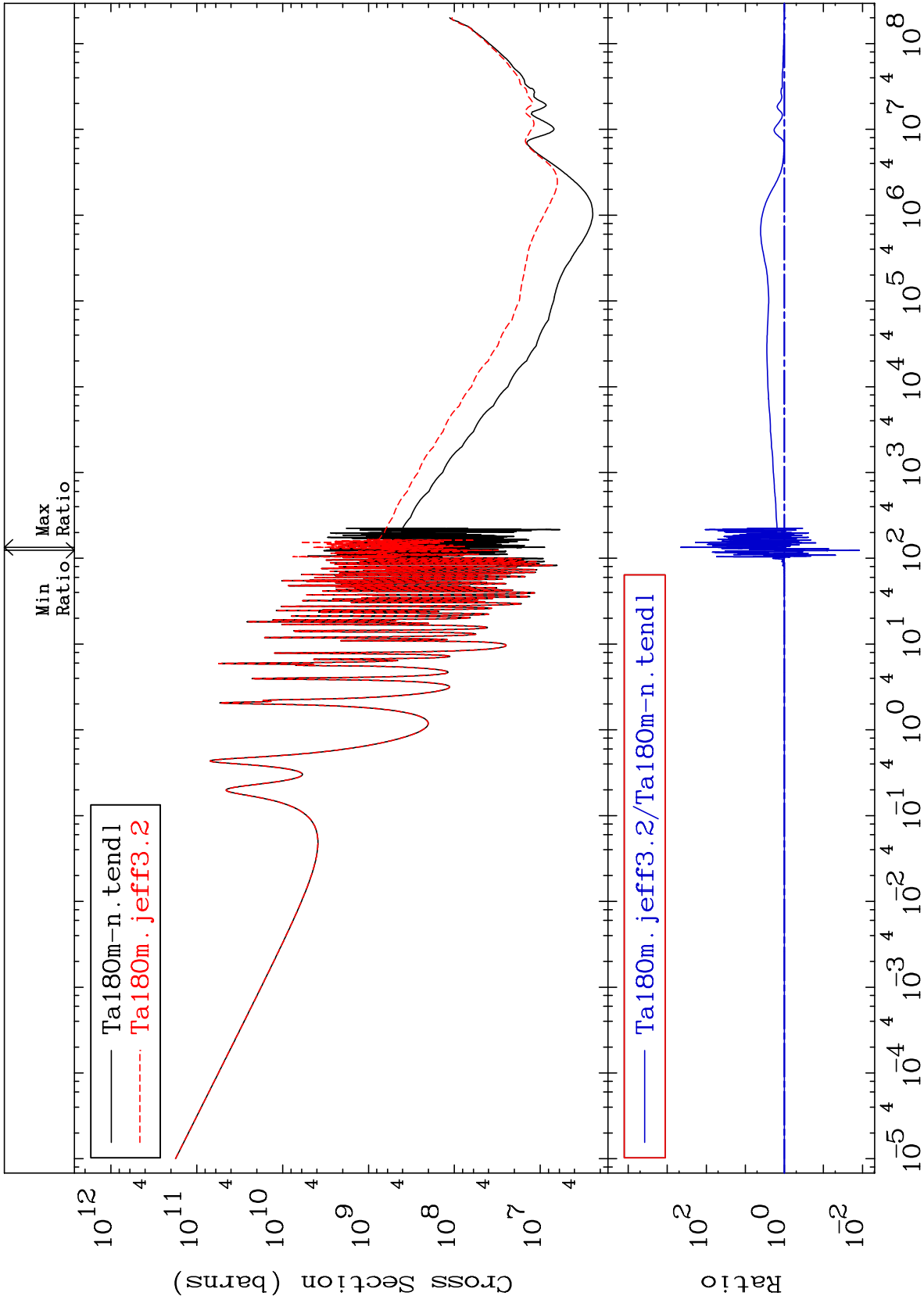


67

Incident Energy (eV)

⁷³Ta-180

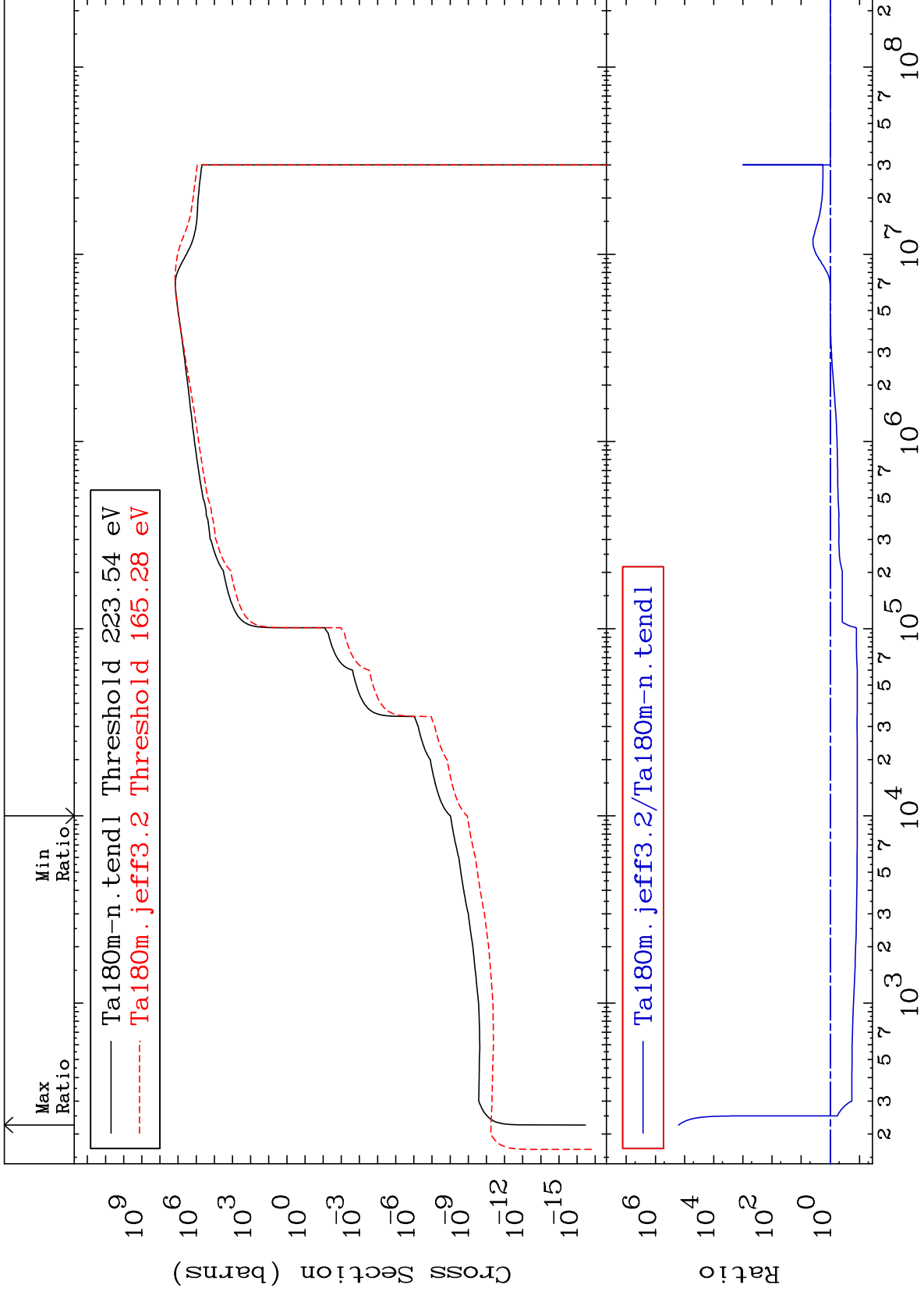


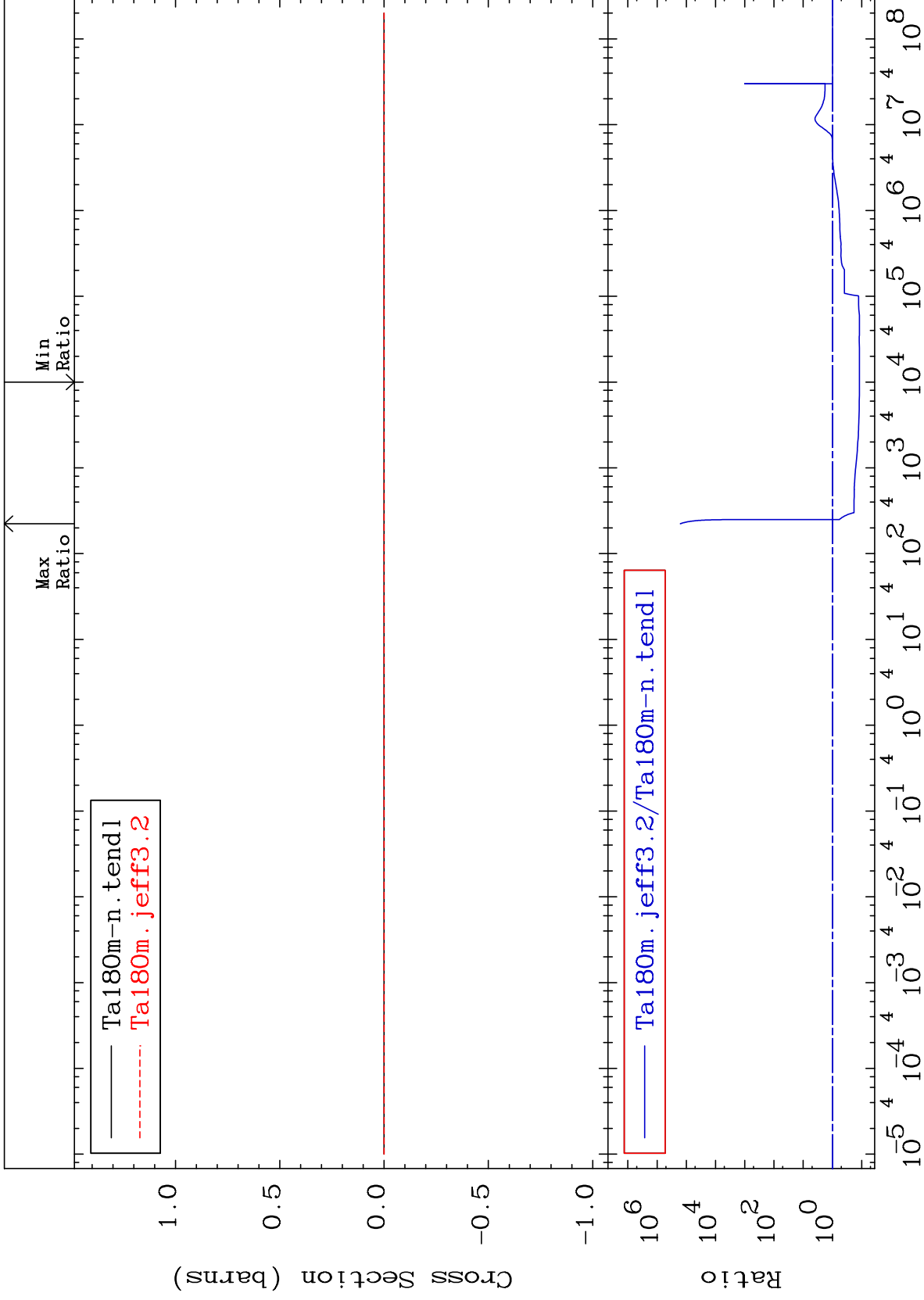


MAT 7326

Kerma inelastic (mt51-91)
Cross Section

⁷³Ta-180
-88.07 To 9999. %

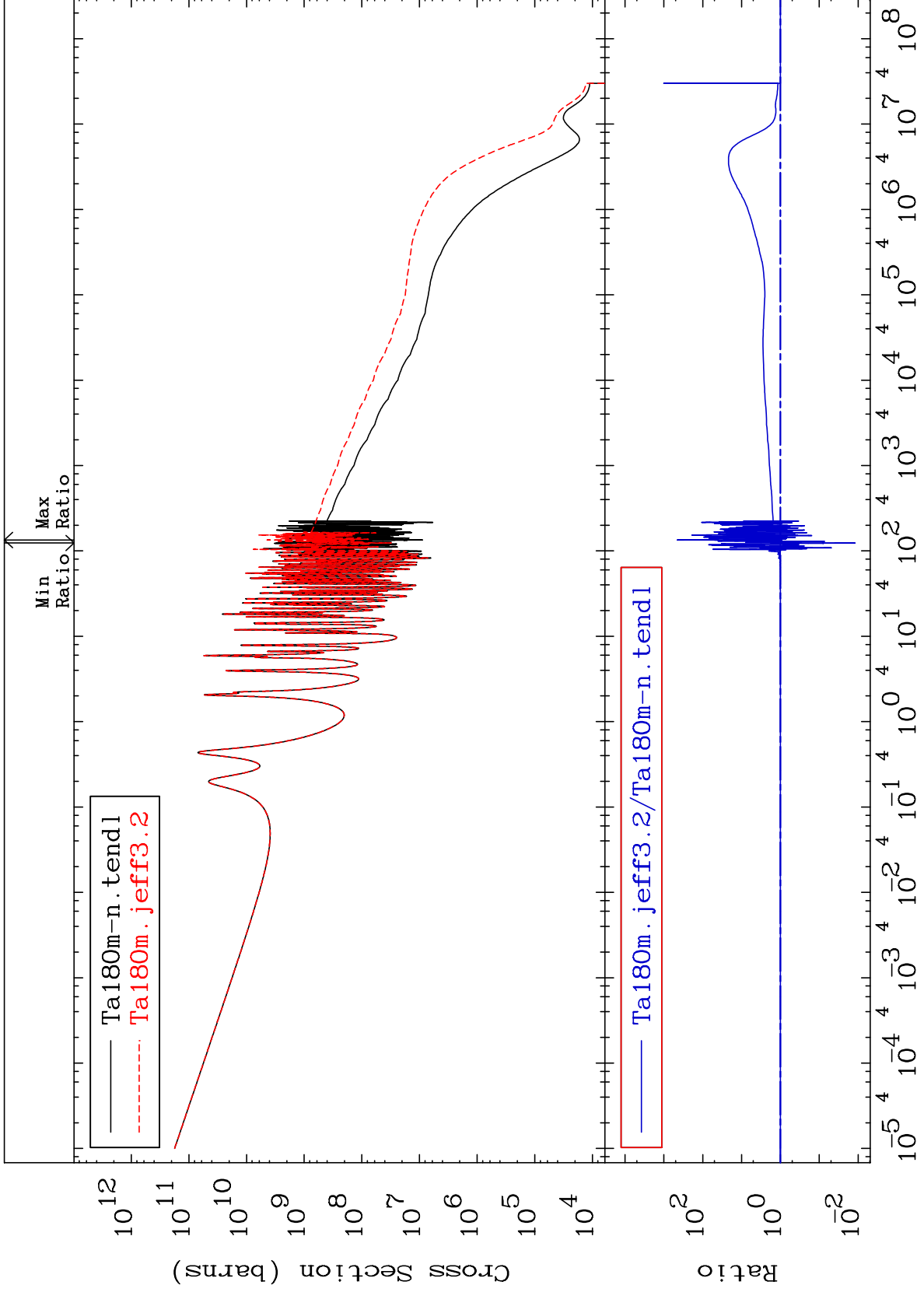




MAT 7326

Kerma capture (mt102)
Cross Section

73-Ta-180
-98.80 To 9999. %



72

Incident Energy (eV)

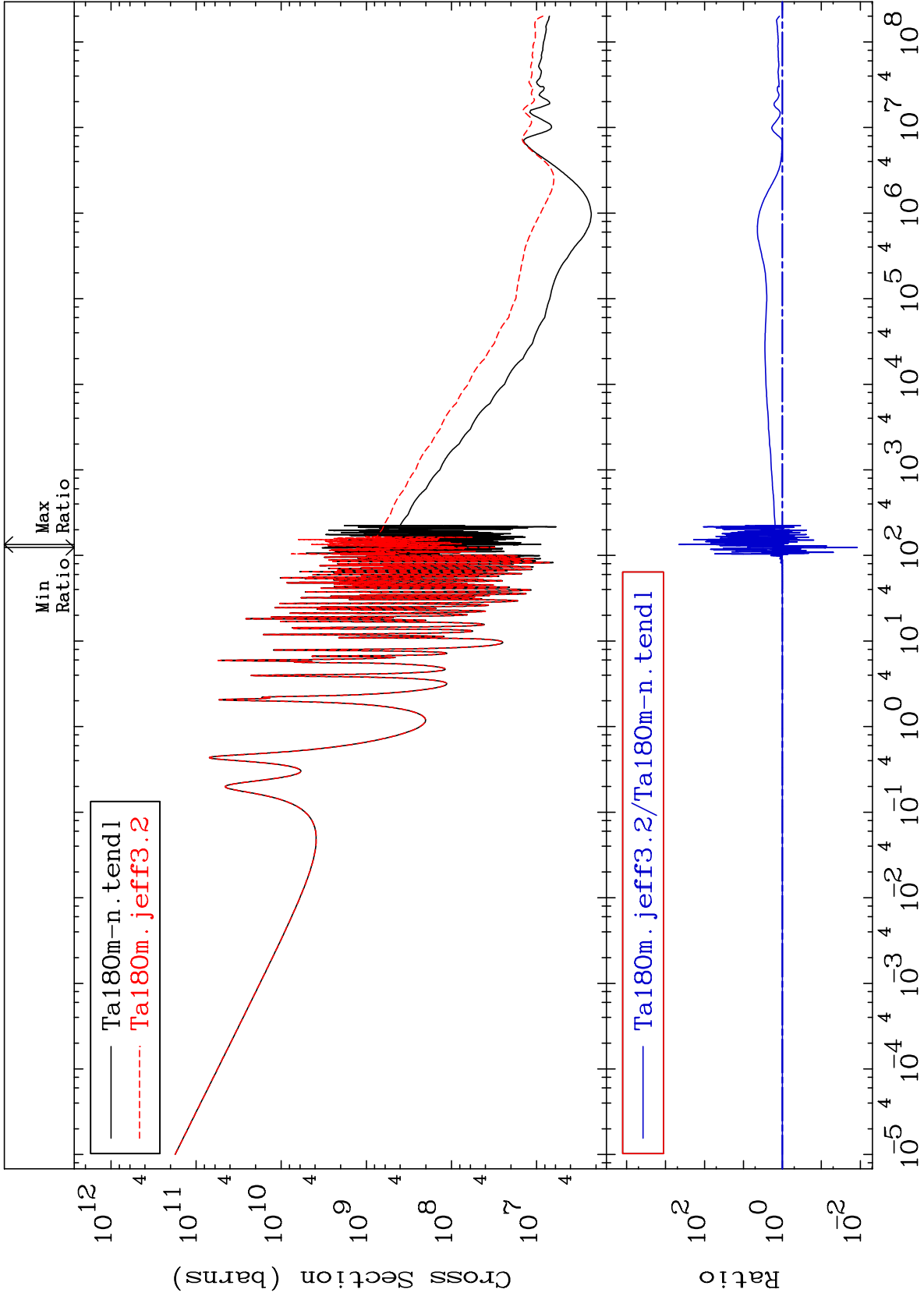
73-Ta-180

MAT 7326

Total photon (eV-barns)

⁷³Ta-180

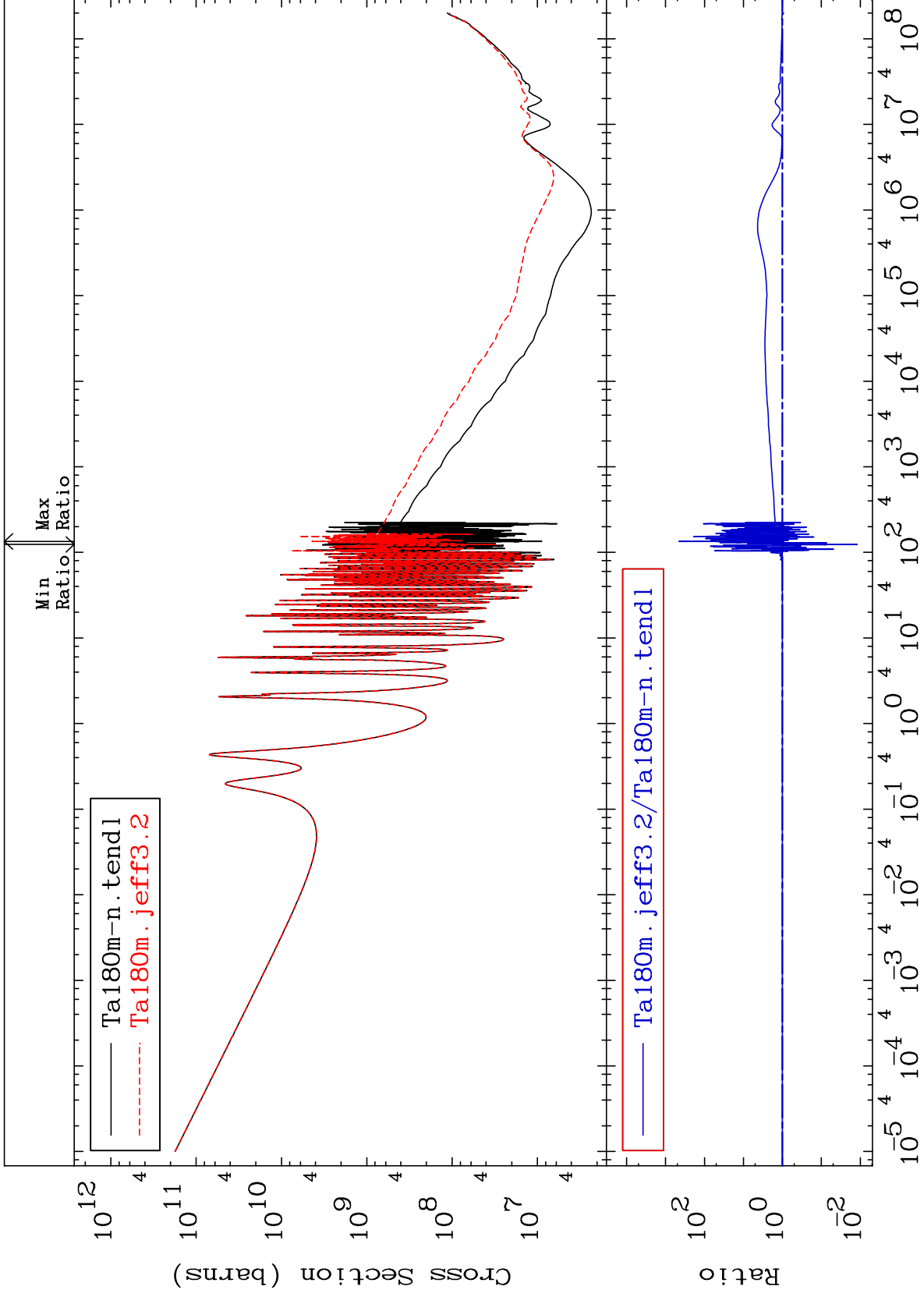
-98.80 To 9999. %



73

Incident Energy (eV)

⁷³Ta-180



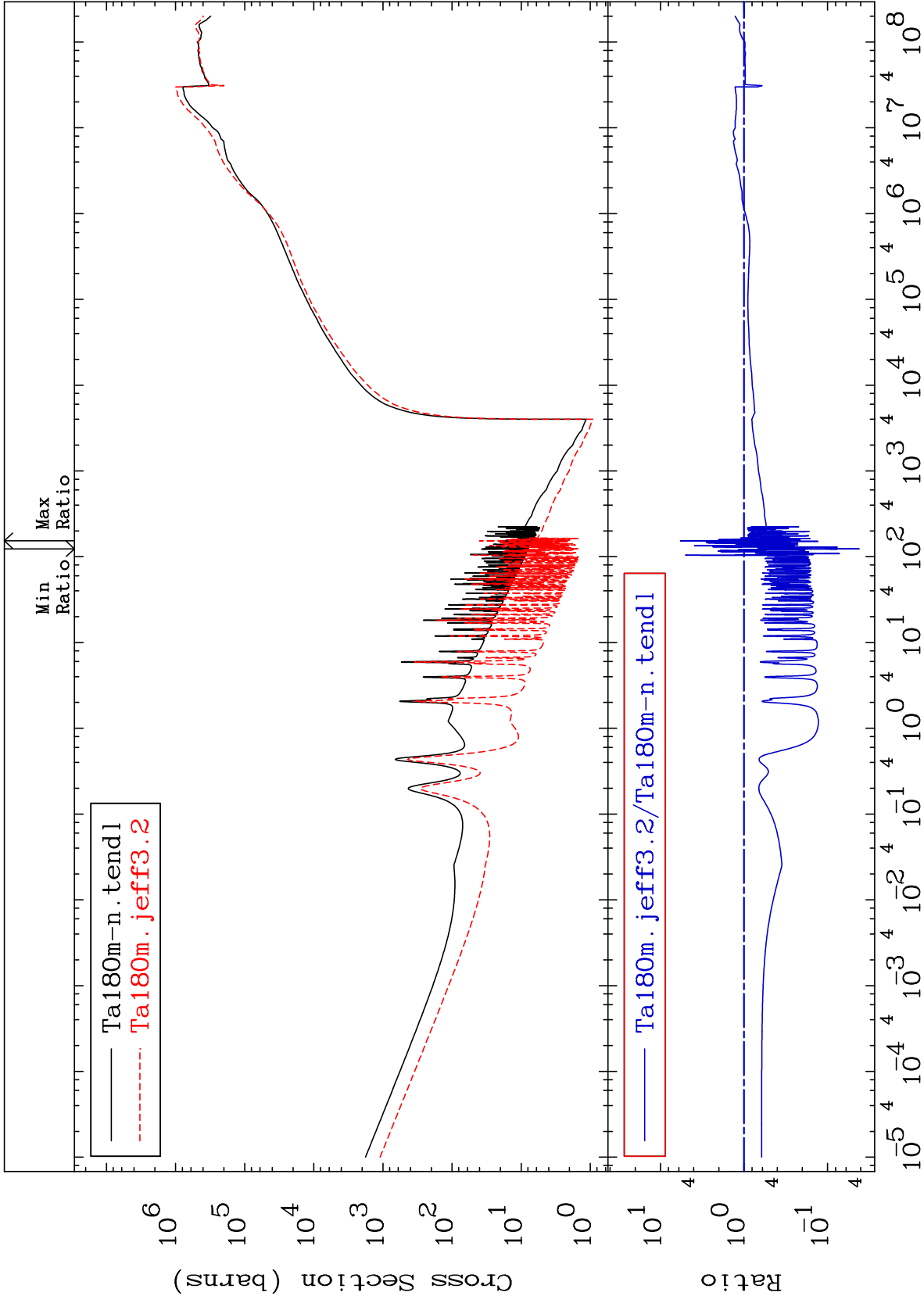
MAT 7326

Dpa total (eV-barns)

⁷³Ta-180

-95.85 To 477.2 %

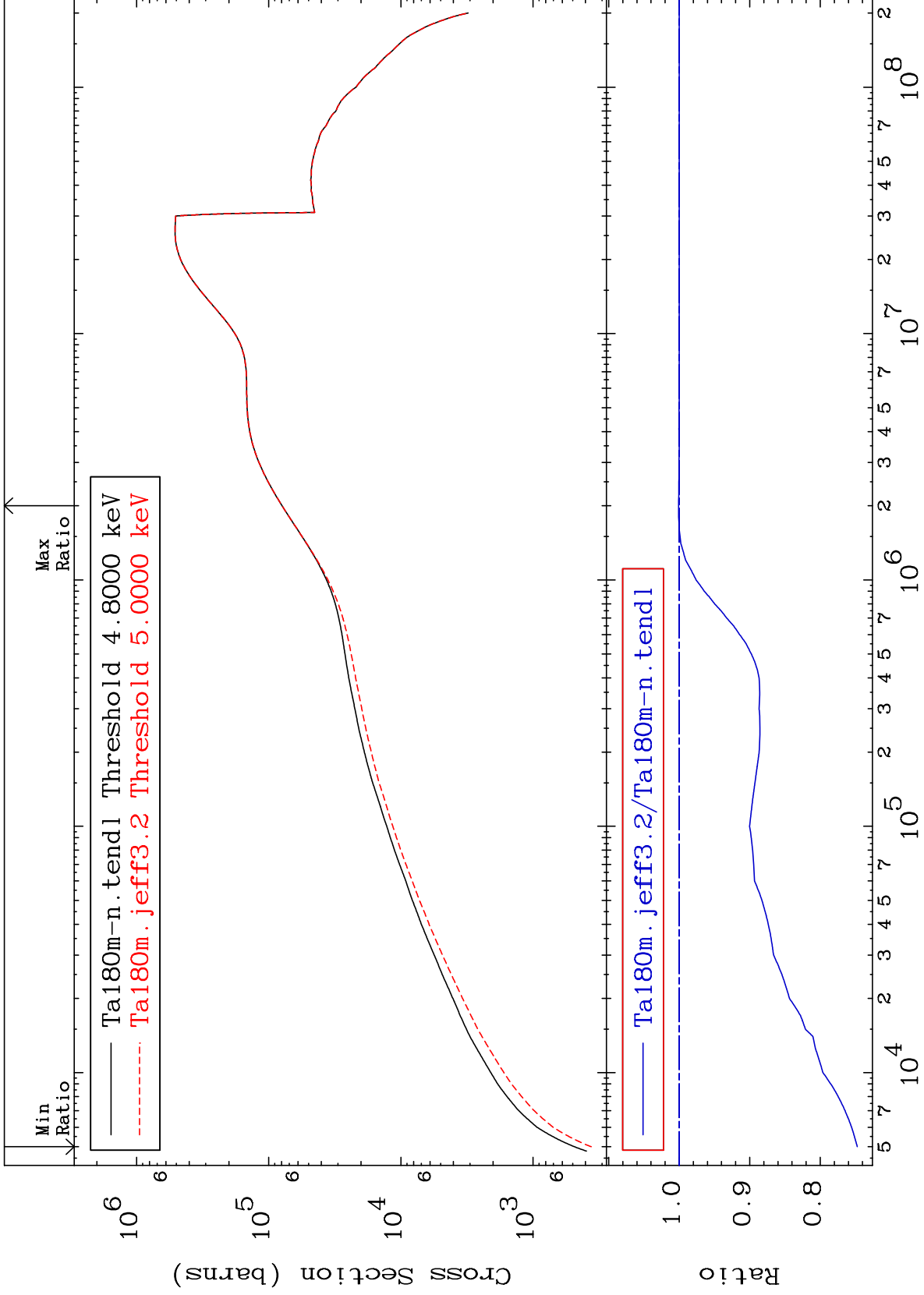
Cross Section



75

Incident Energy (eV)

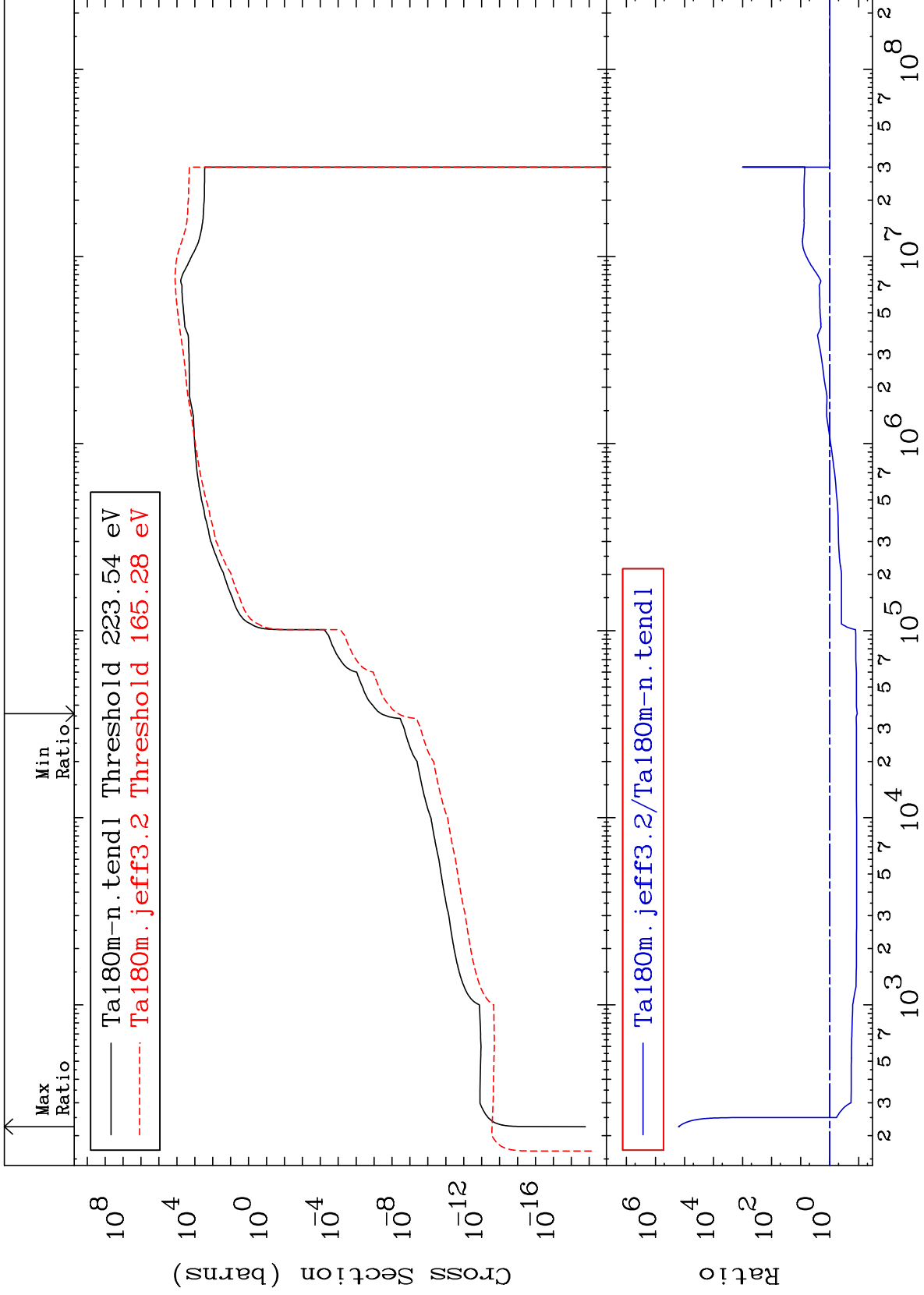
⁷³Ta-180



MAT 7326

Dpa inelastic (mt51-91)
Cross Section

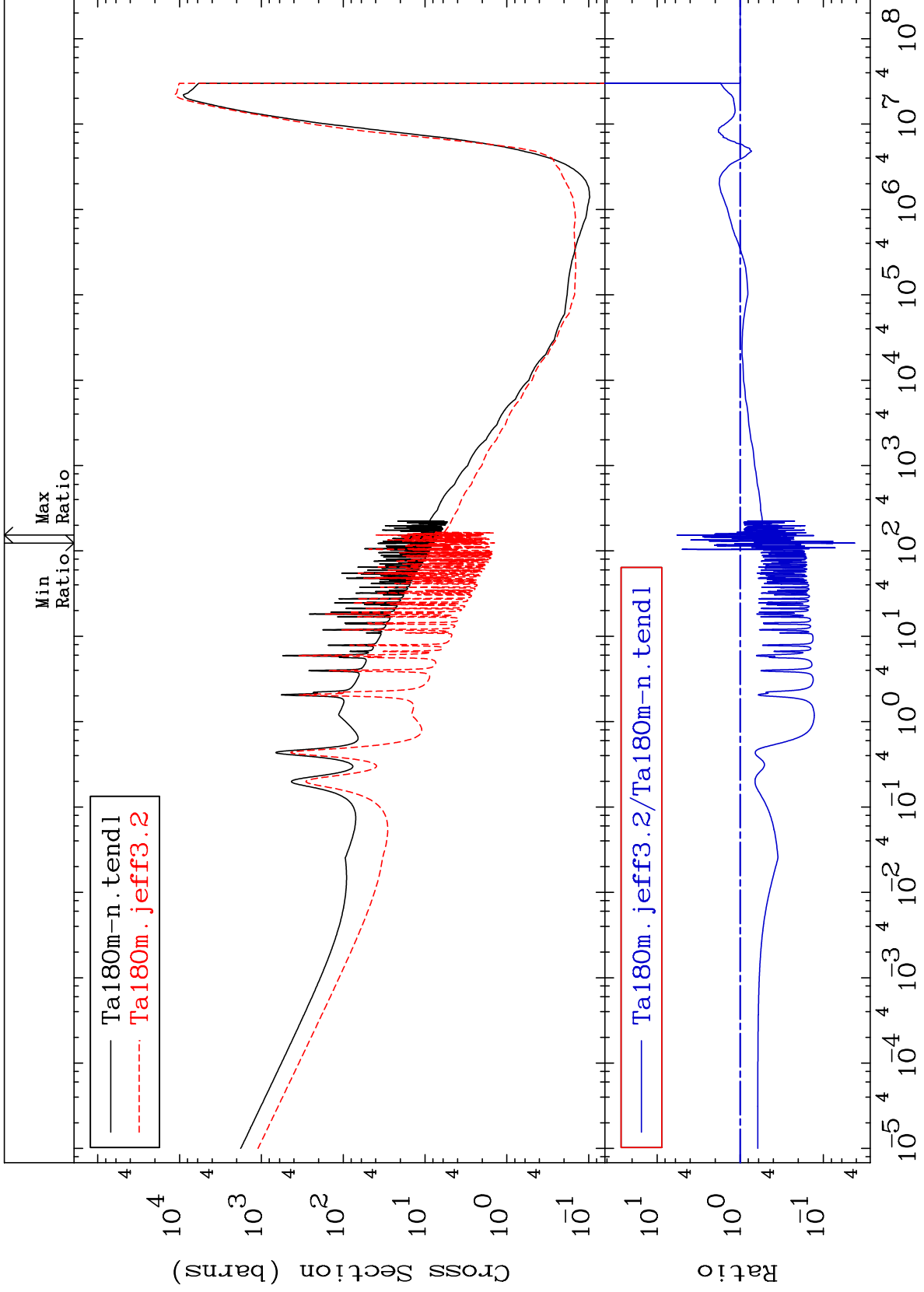
73-Ta-180
-88.76 To 9999. %

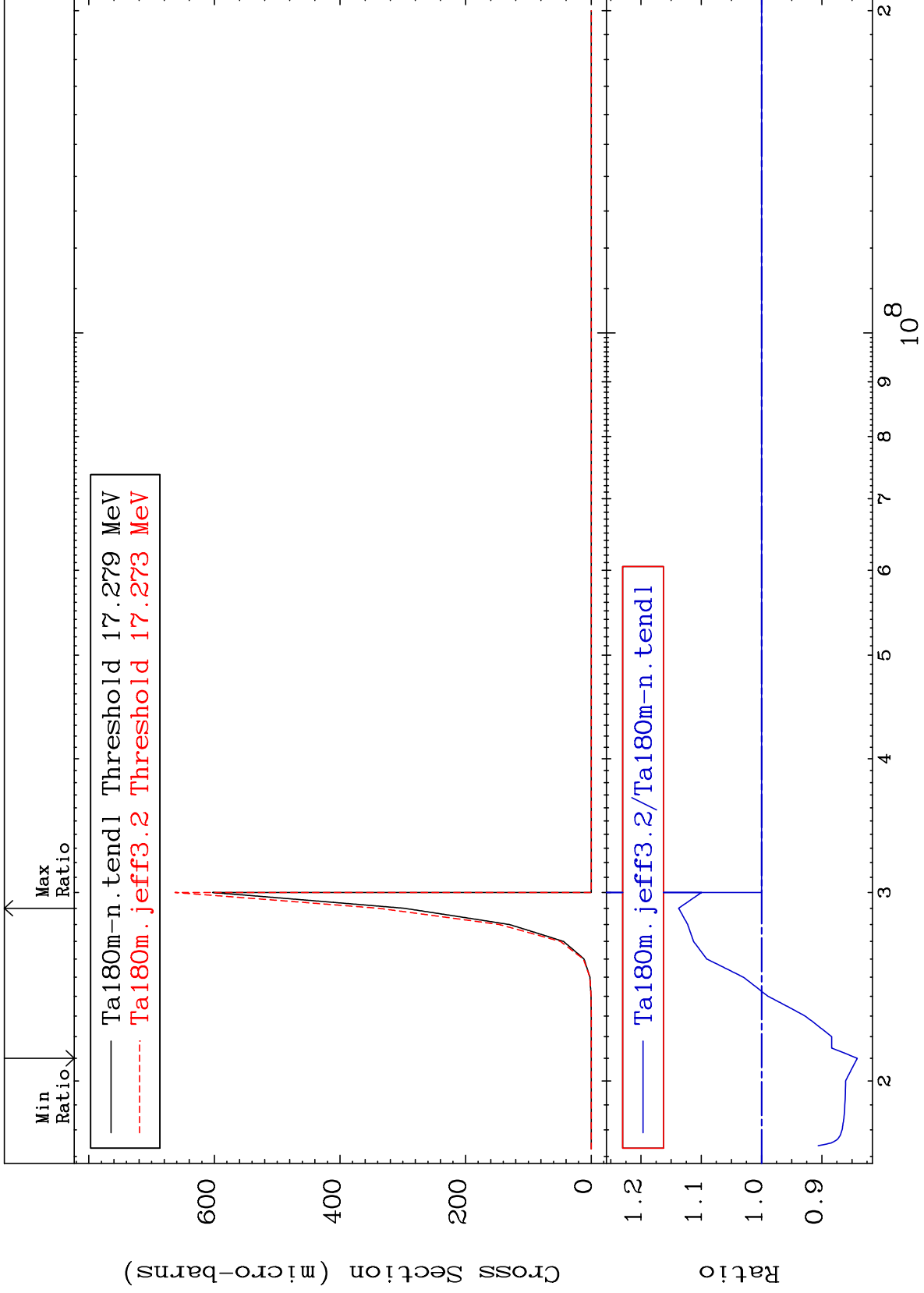


MAT 7326

Dpa disappearance (mt102 -120)
Cross Section

73-Ta-180
-95.85 To 477.2 %



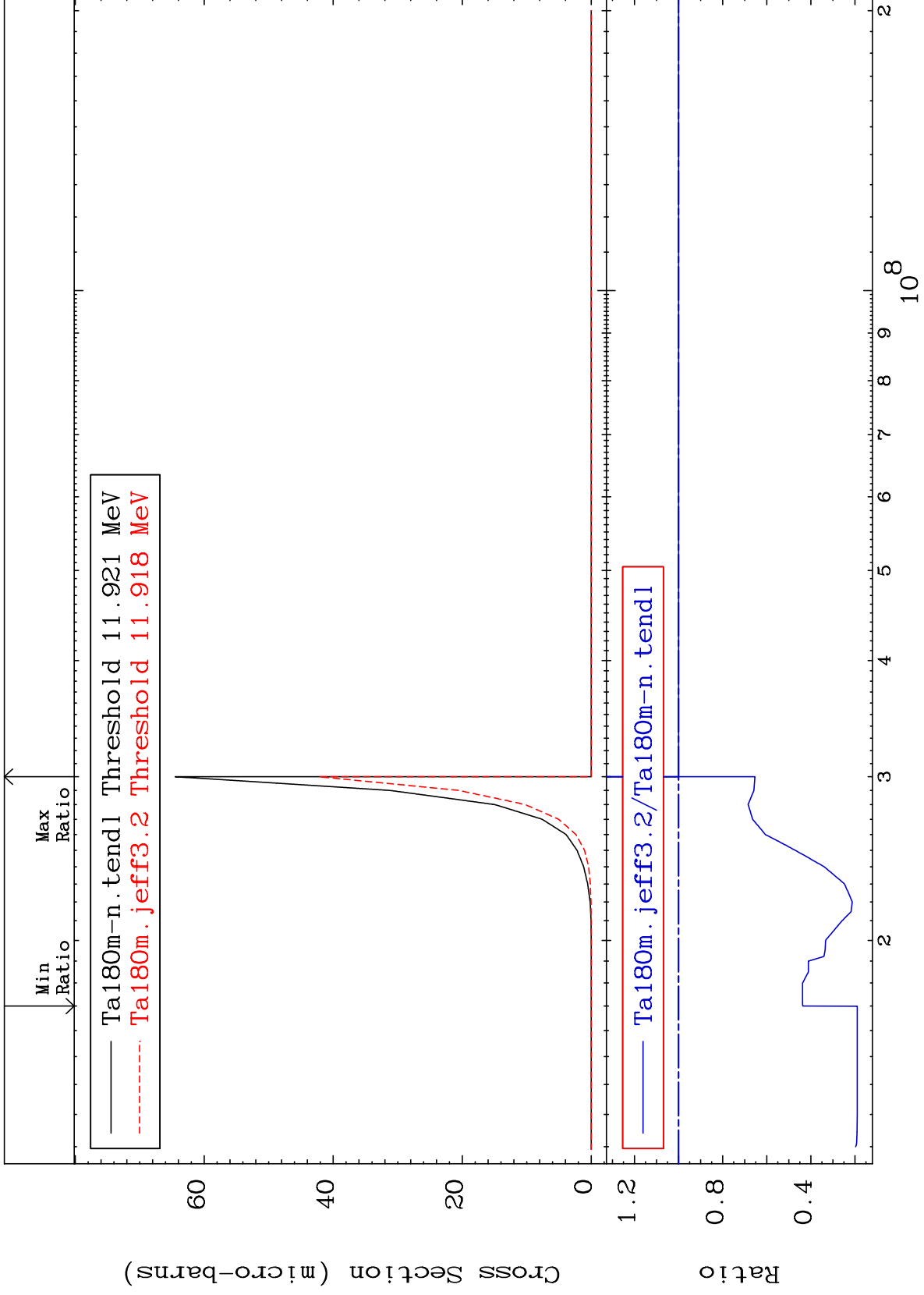


MAT 7326

(n,3n) α : 71-Lu-174g

73-Ta-180

Radionuclide Production Cross Section -81.00 To 0.000 %



80

Incident Energy (eV)

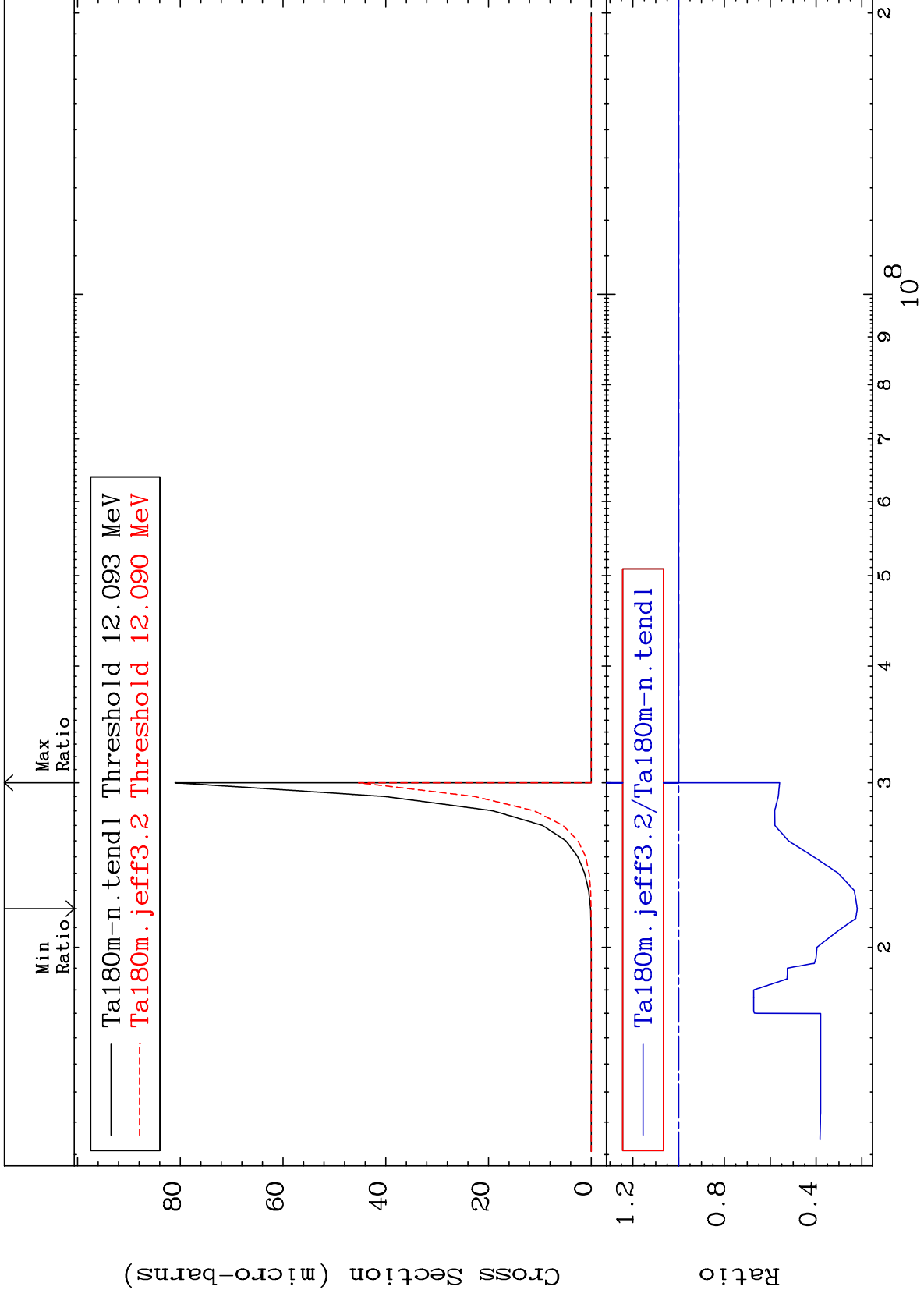
73-Ta-180

MAT 7326

(n, 3n) α : 71-Lu-174m3

73-Ta-180

Radionuclide Production Cross Section -78.01 To 0.000 %



81

Incident Energy (eV)

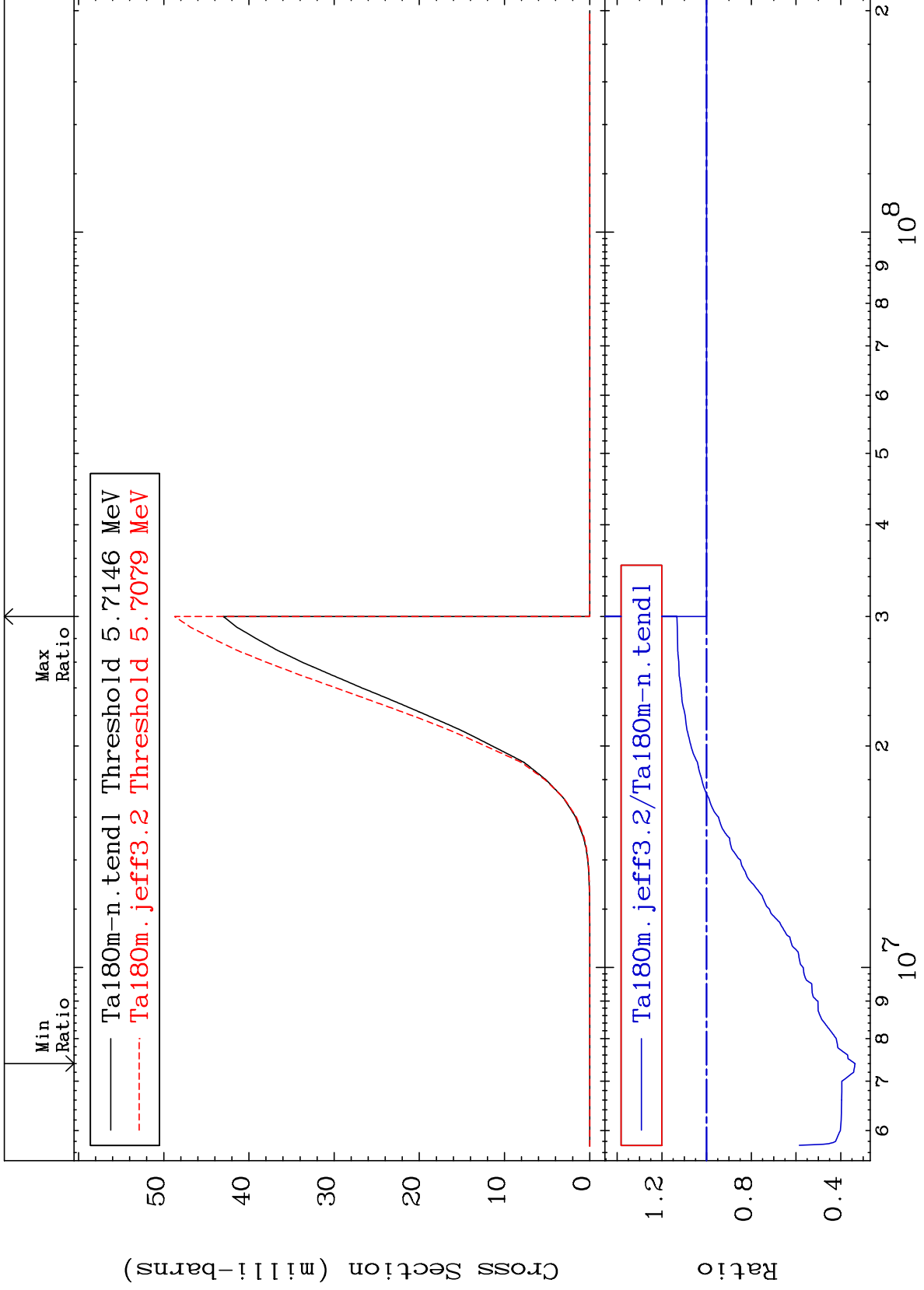
73-Ta-180

MAT 7326

(n, n') p: 72-Hf-179g

73-Ta-180

Radionuclide Production Cross Section -66.41 To 13.28 %

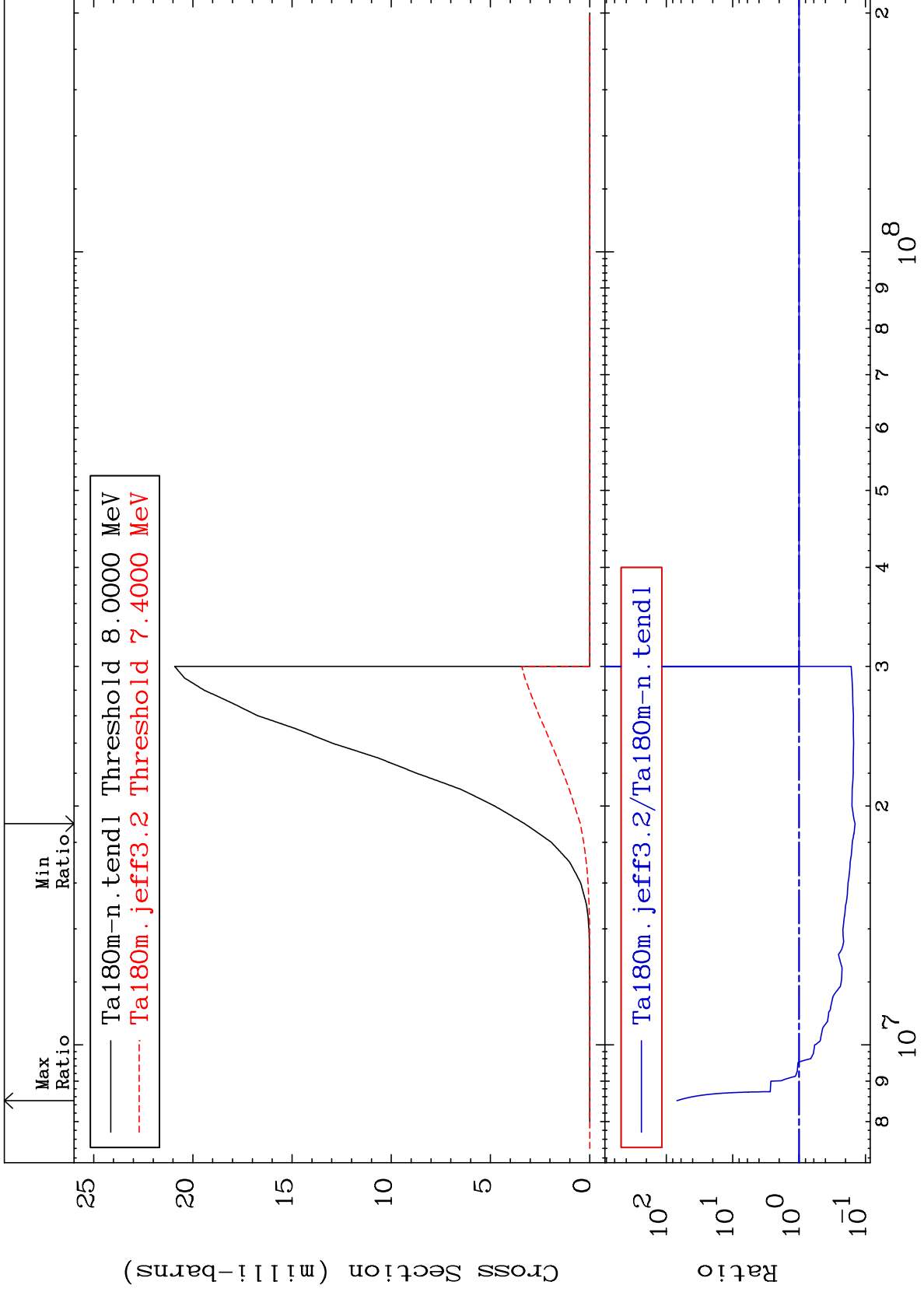


MAT 7326

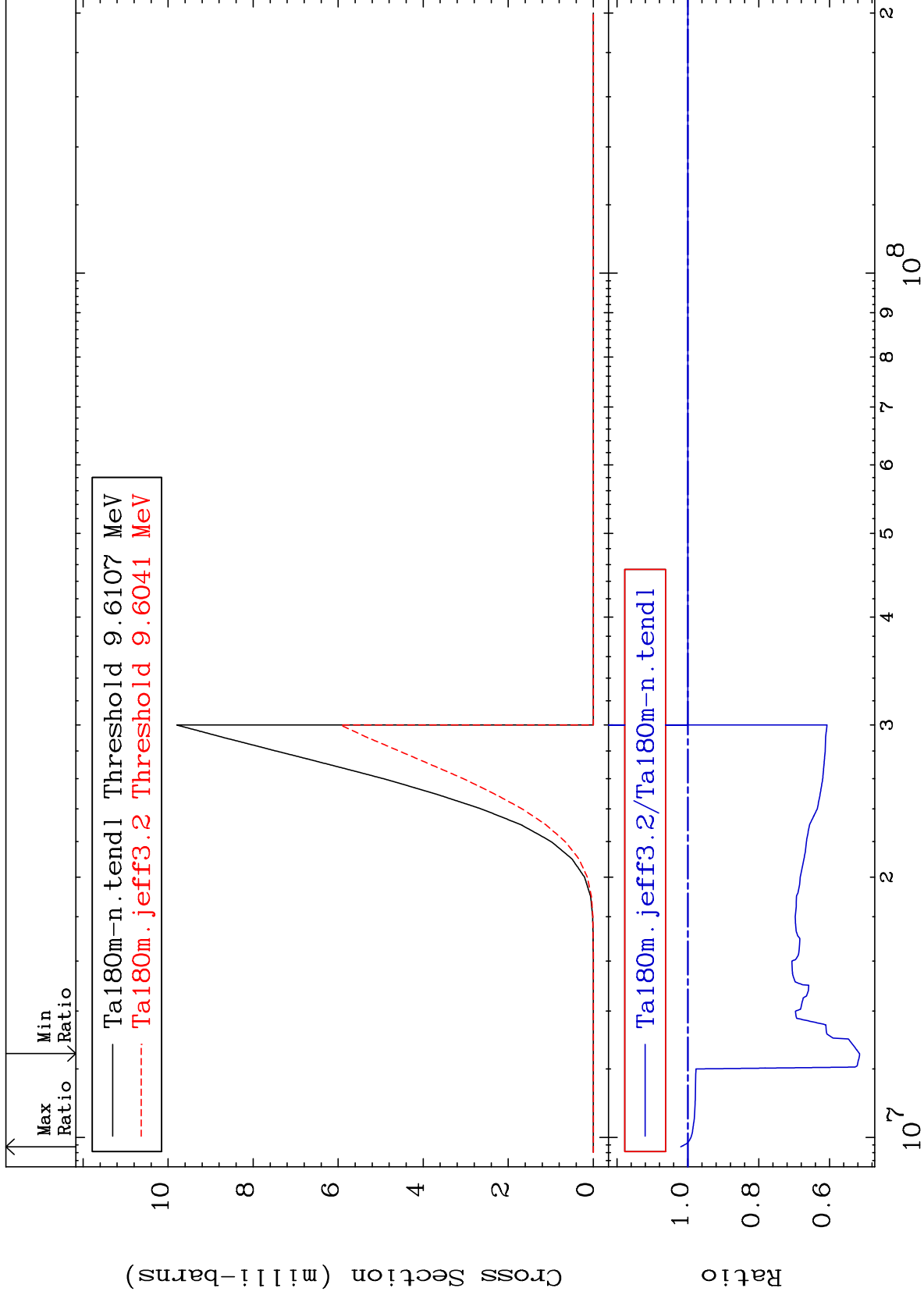
(n, n') p: 72-Hf-179m5

73-Ta-180

Radionuclide Production Cross Section -85.68 To 6816. %



Radionuclide Production Cross Section -48.49 To 2.013 %

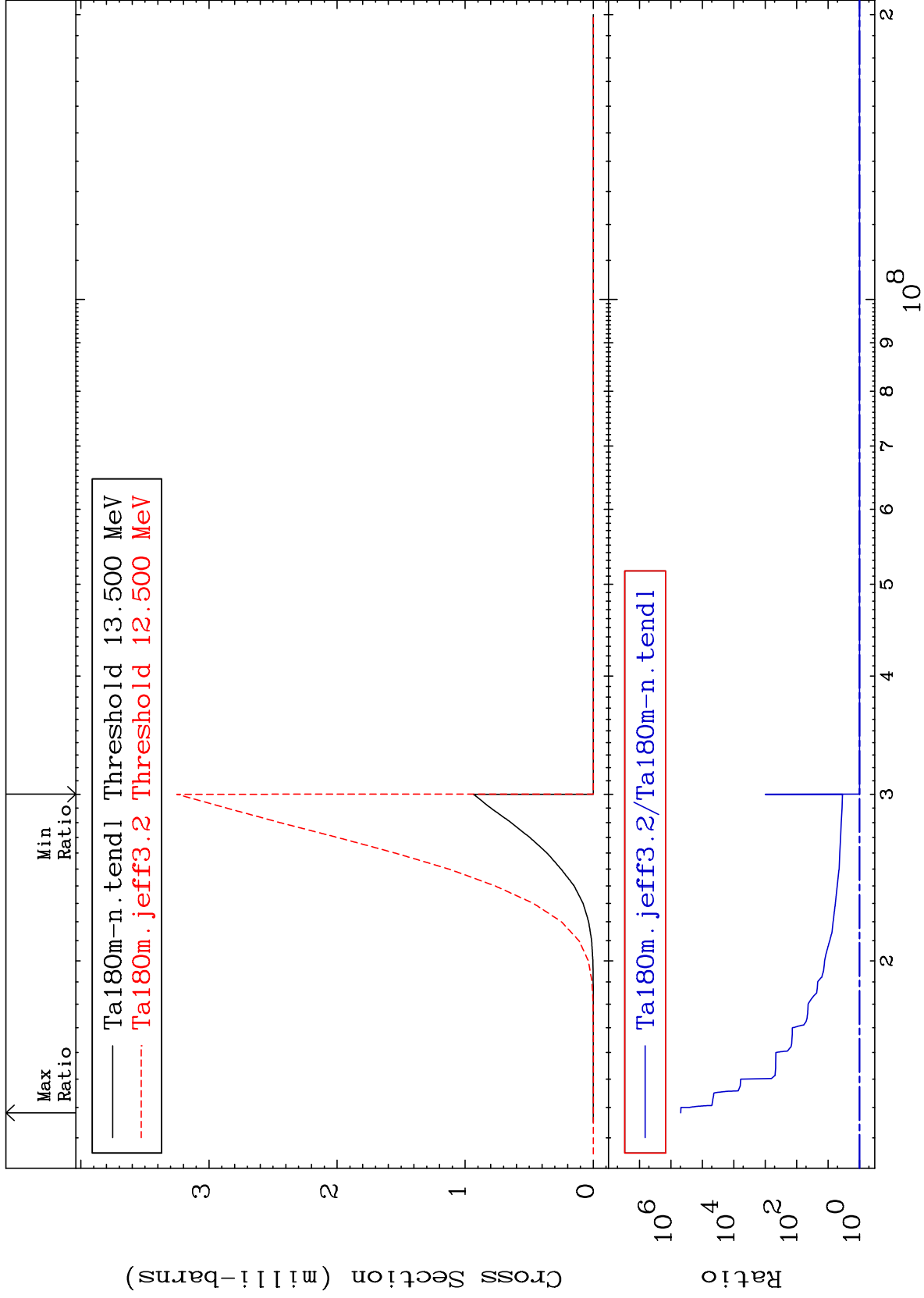


MAT 7326

(n, n') d:72-Hf-178m5

73-Ta-180

Radionuclide Production Cross Section 0.000 To 9999. %

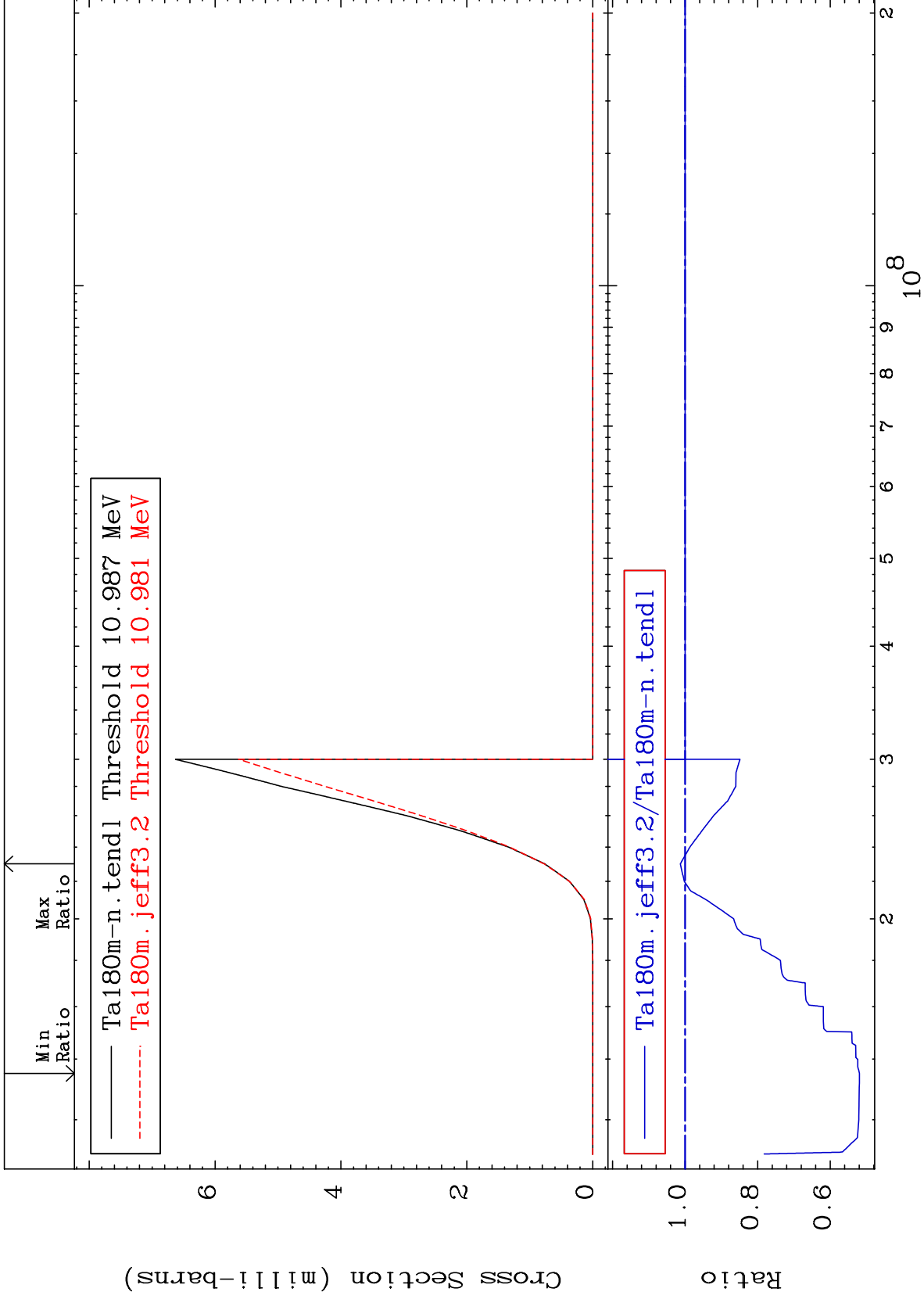


85

Incident Energy (eV)

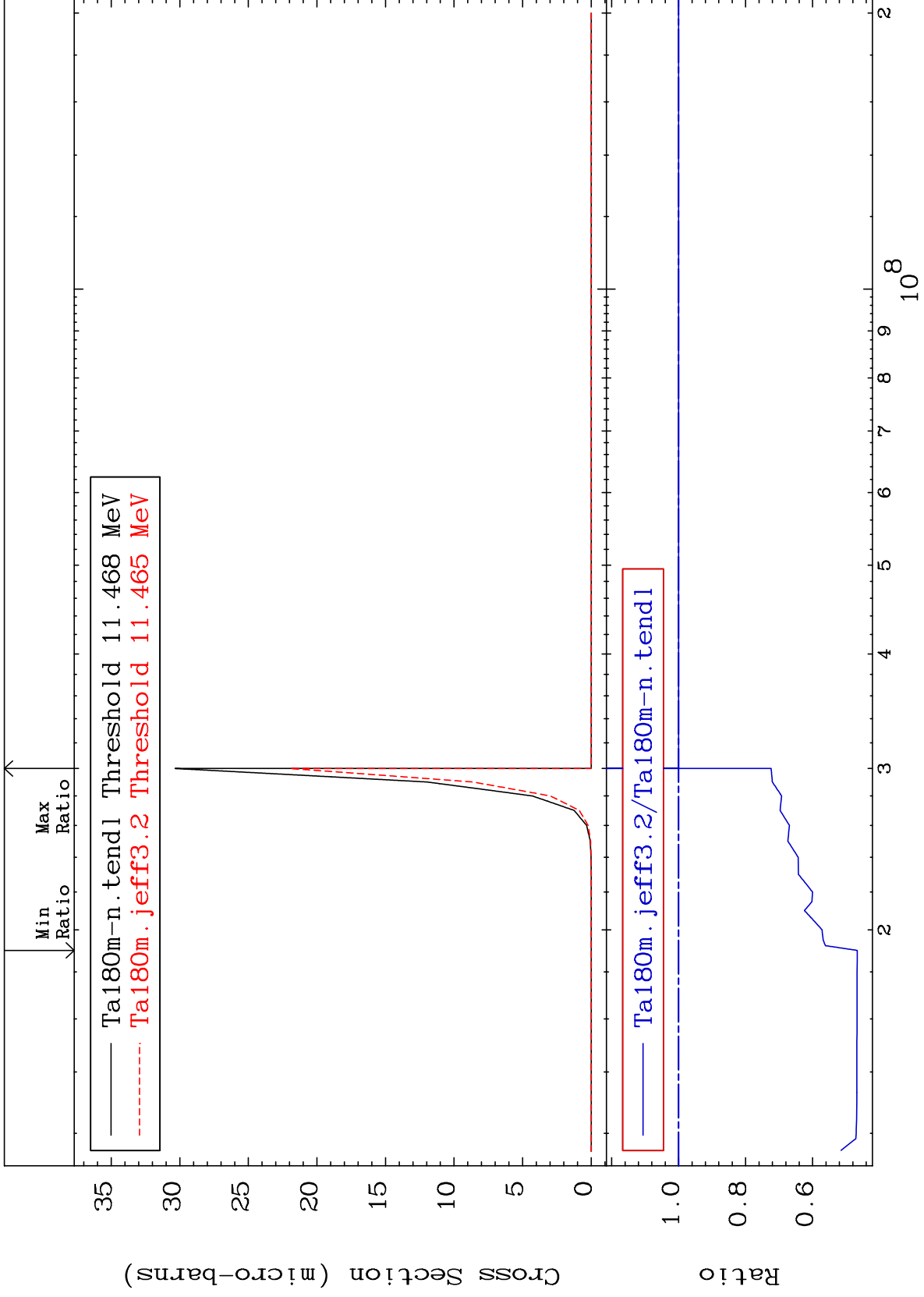
73-Ta-180

Radionuclide Production Cross Section -48.05 To 1.306 %

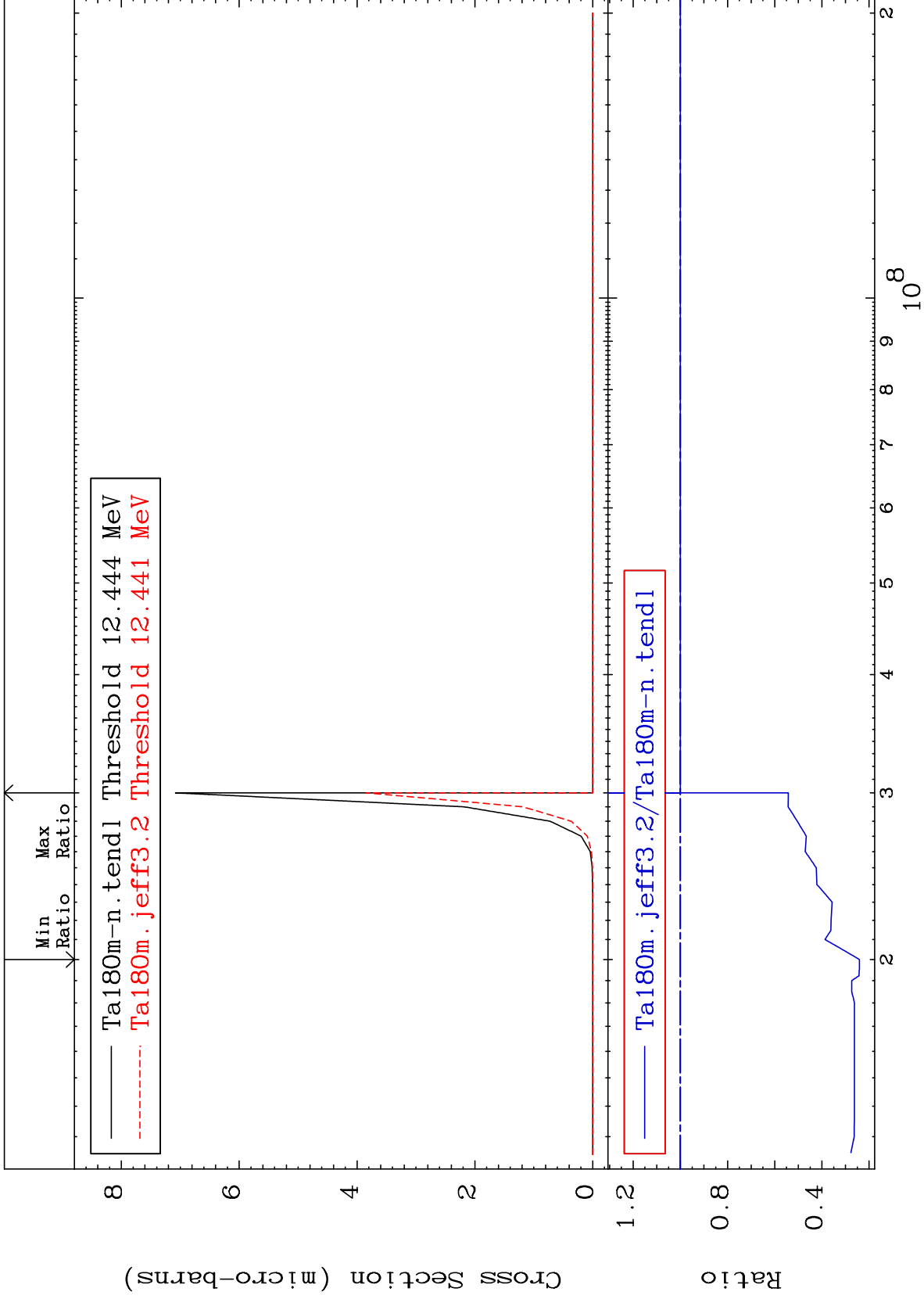


MAT 7326

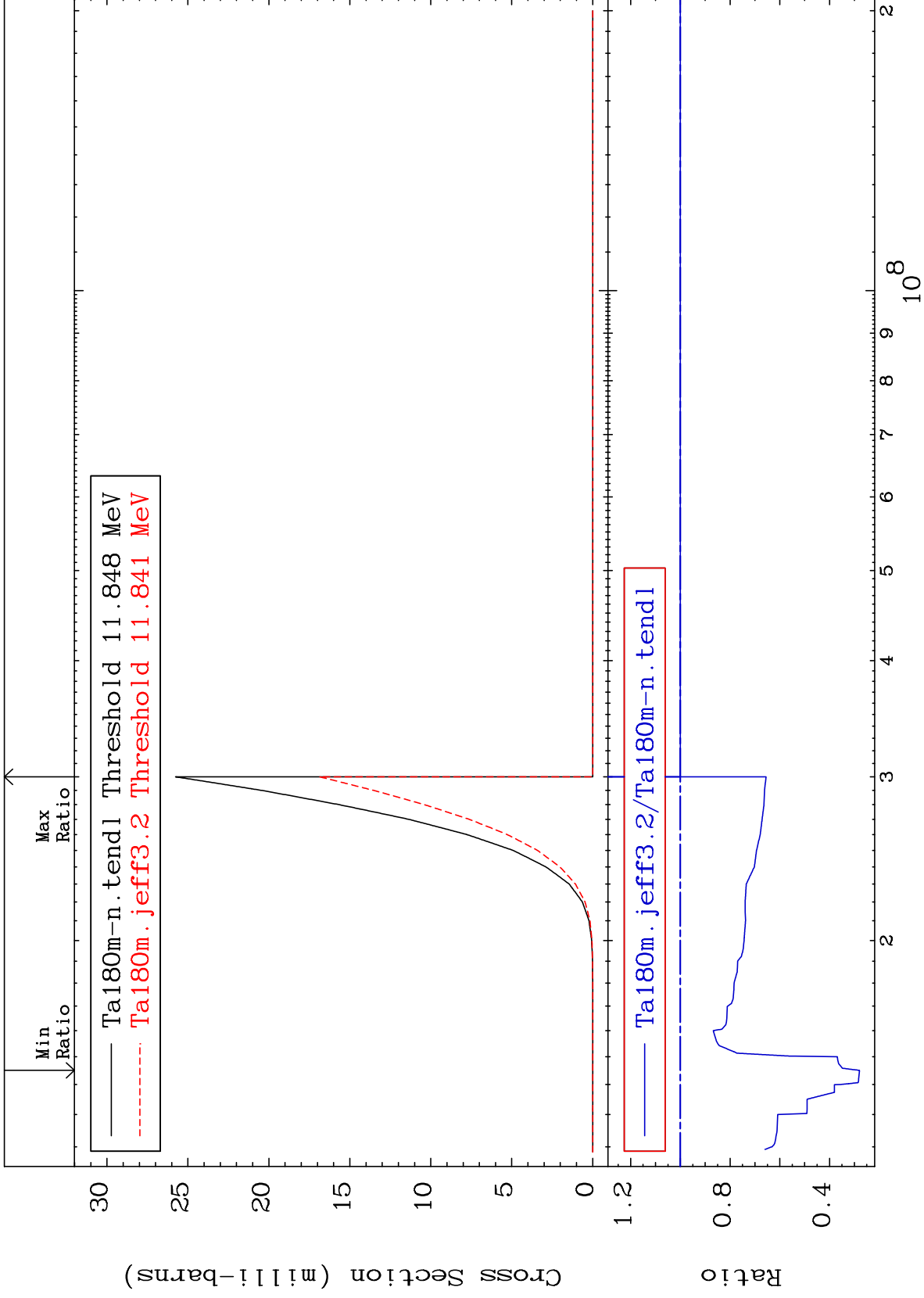
(n, n') He-3:71-Lu-177g 73-Ta-180
Radionuclide Production Cross Section -53.33 To 0.000 %



Radionuclide Production Cross Section -75.89 To 0.000 %



Radionuclide Production Cross Section -72.03 To 0.000 %

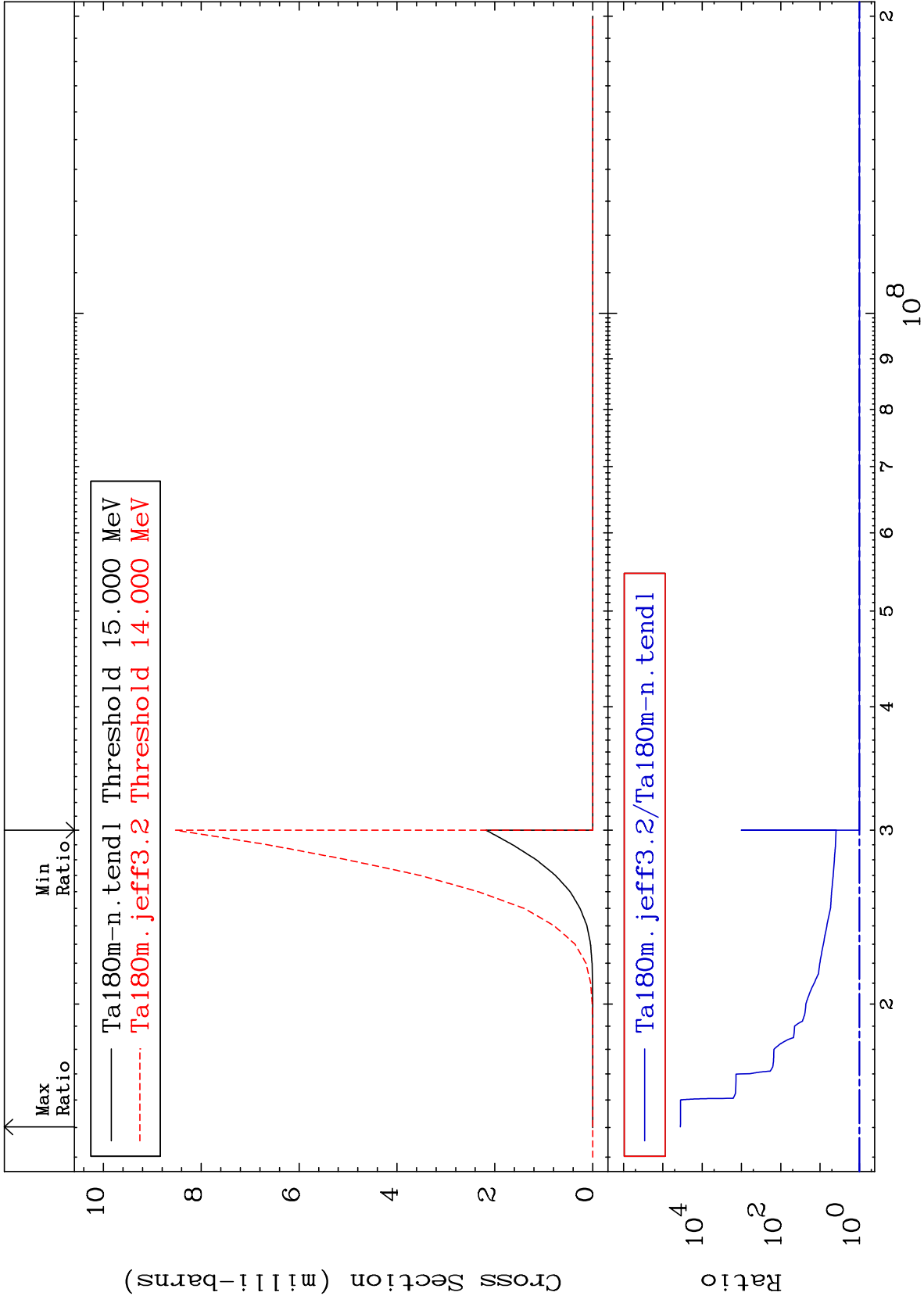


MAT 7326

(n,2n) p:72-Hf-178m5

73-Ta-180

Radionuclide Production Cross Section 0.000 To 9999. %



90

Incident Energy (eV)

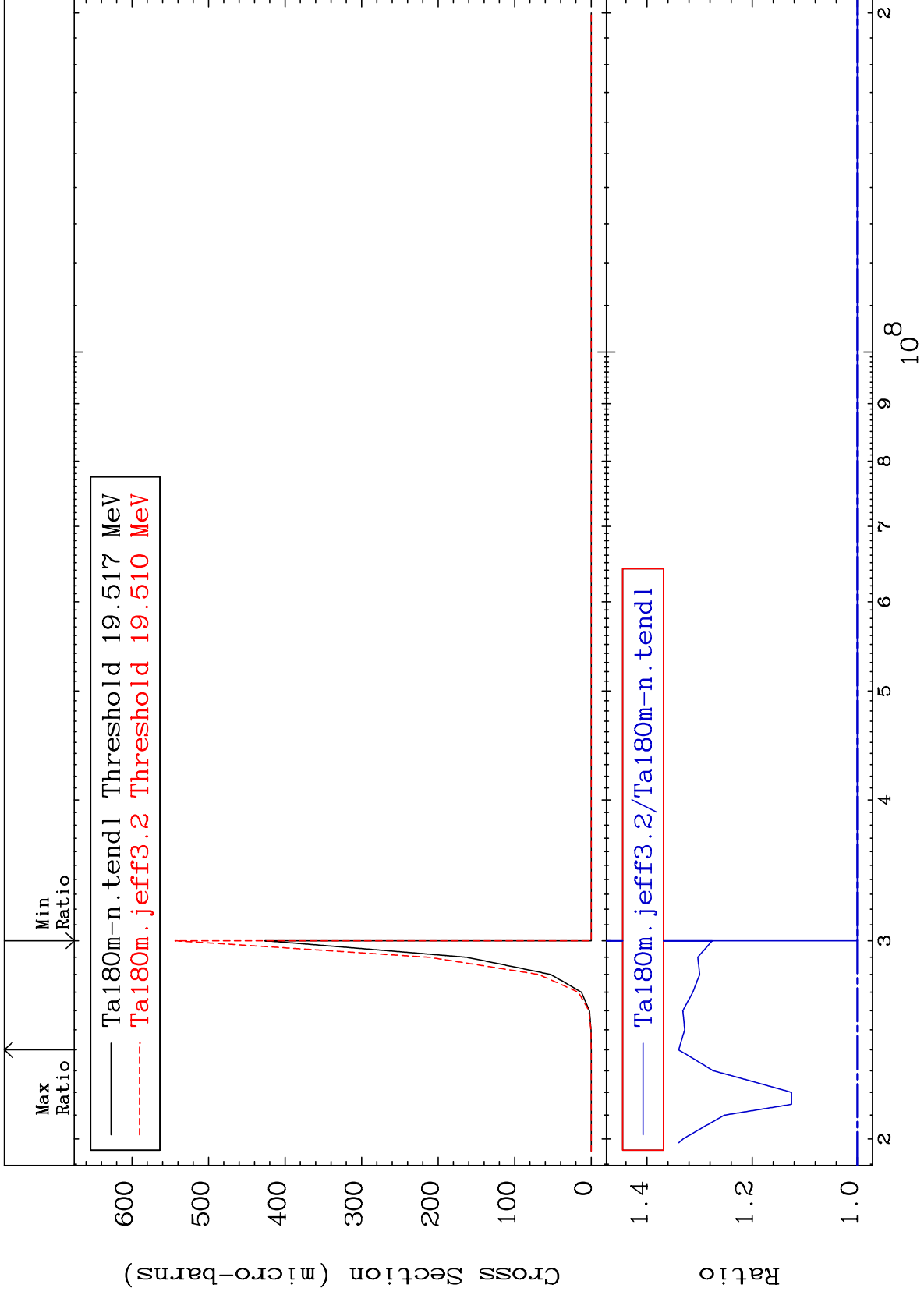
73-Ta-180

MAT 7326

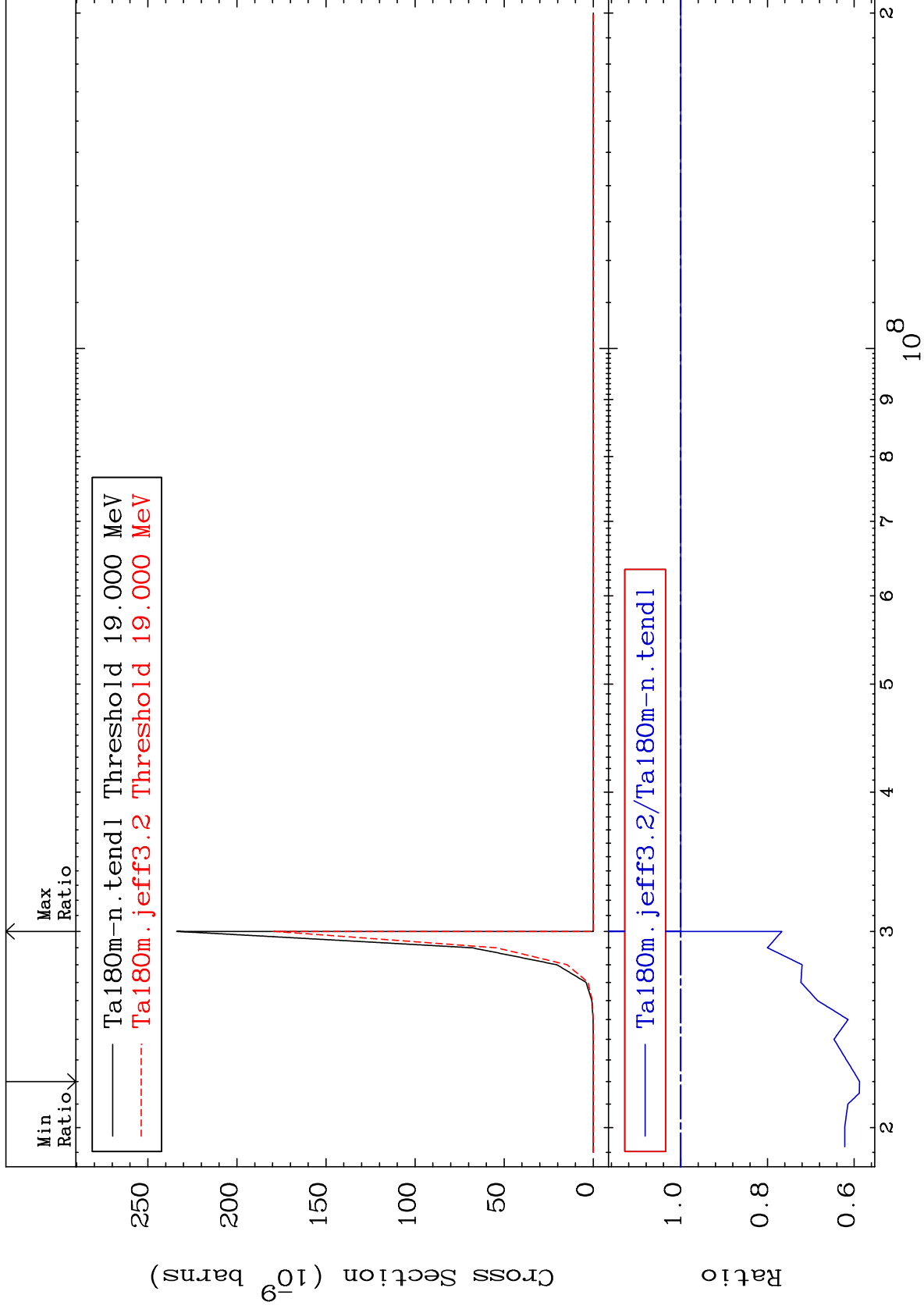
(n,3n) p:72-Hf-177g

73-Ta-180

Radionuclide Production Cross Section 0.000 To 33.98 %



Radionuclide Production Cross Section -41.24 To 0.000 %

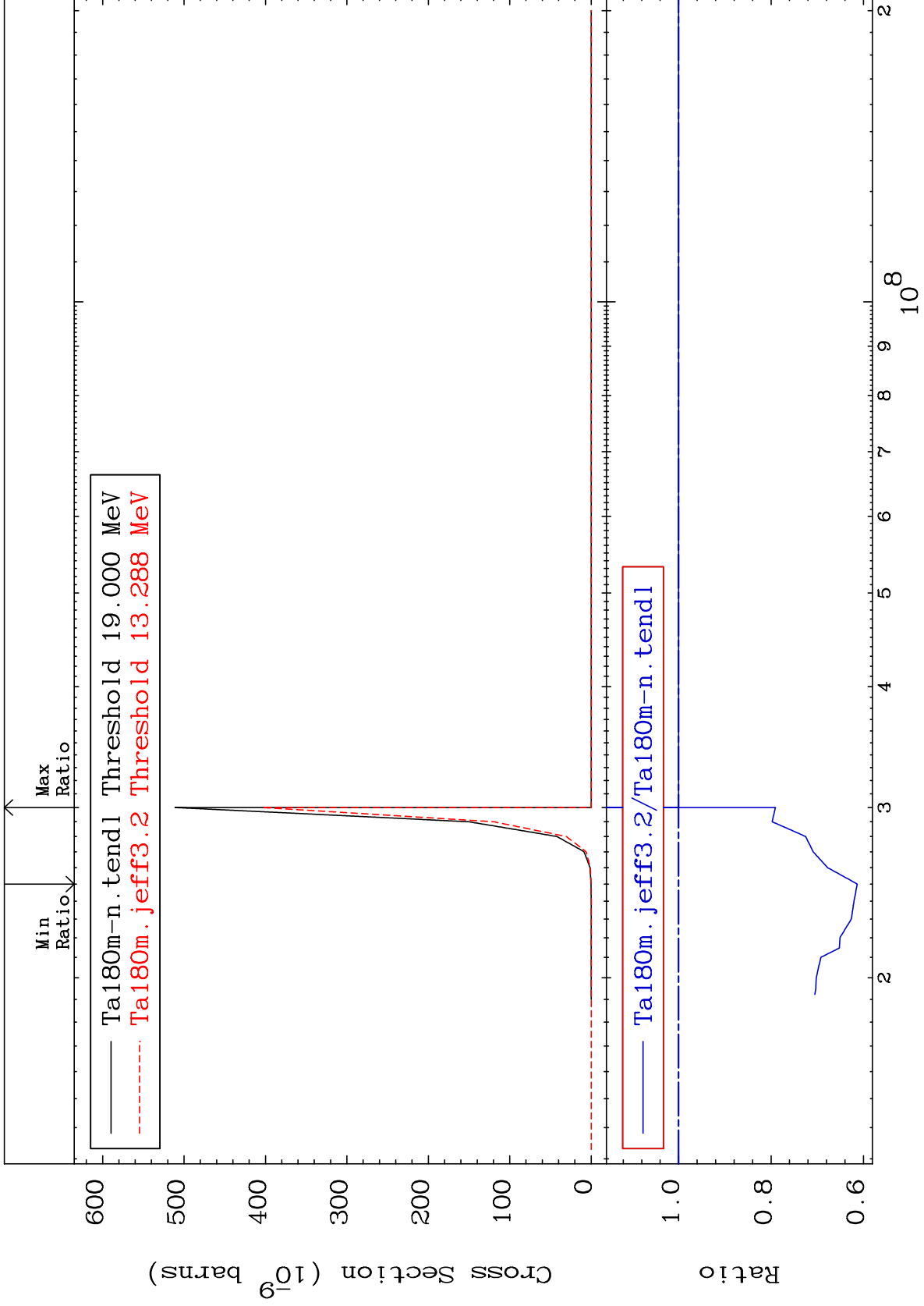


MAT 7326

(n,2n) p:71-Lu-178m3

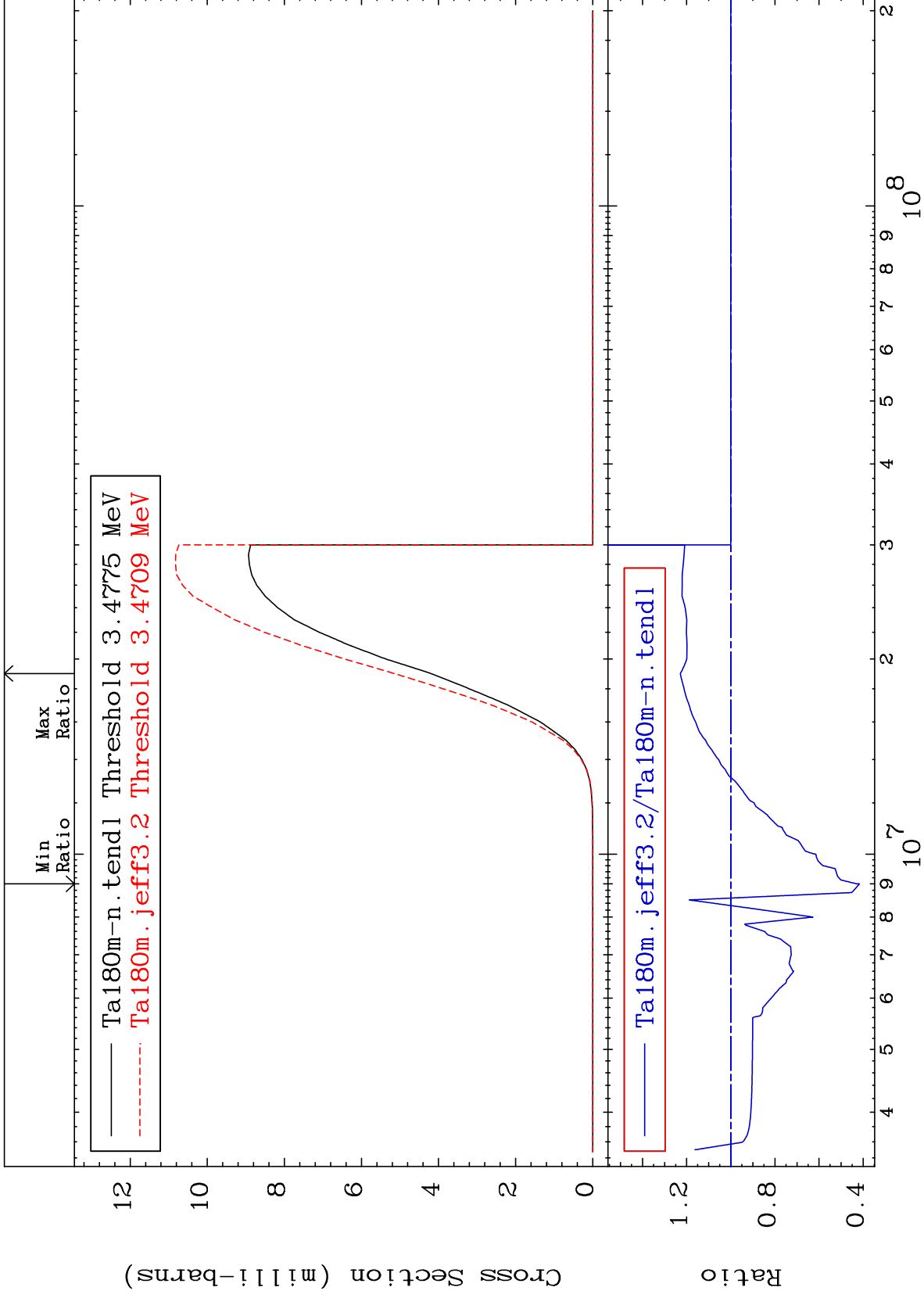
73-Ta-180

Radionuclide Production Cross Section -38.66 To 0.000 %

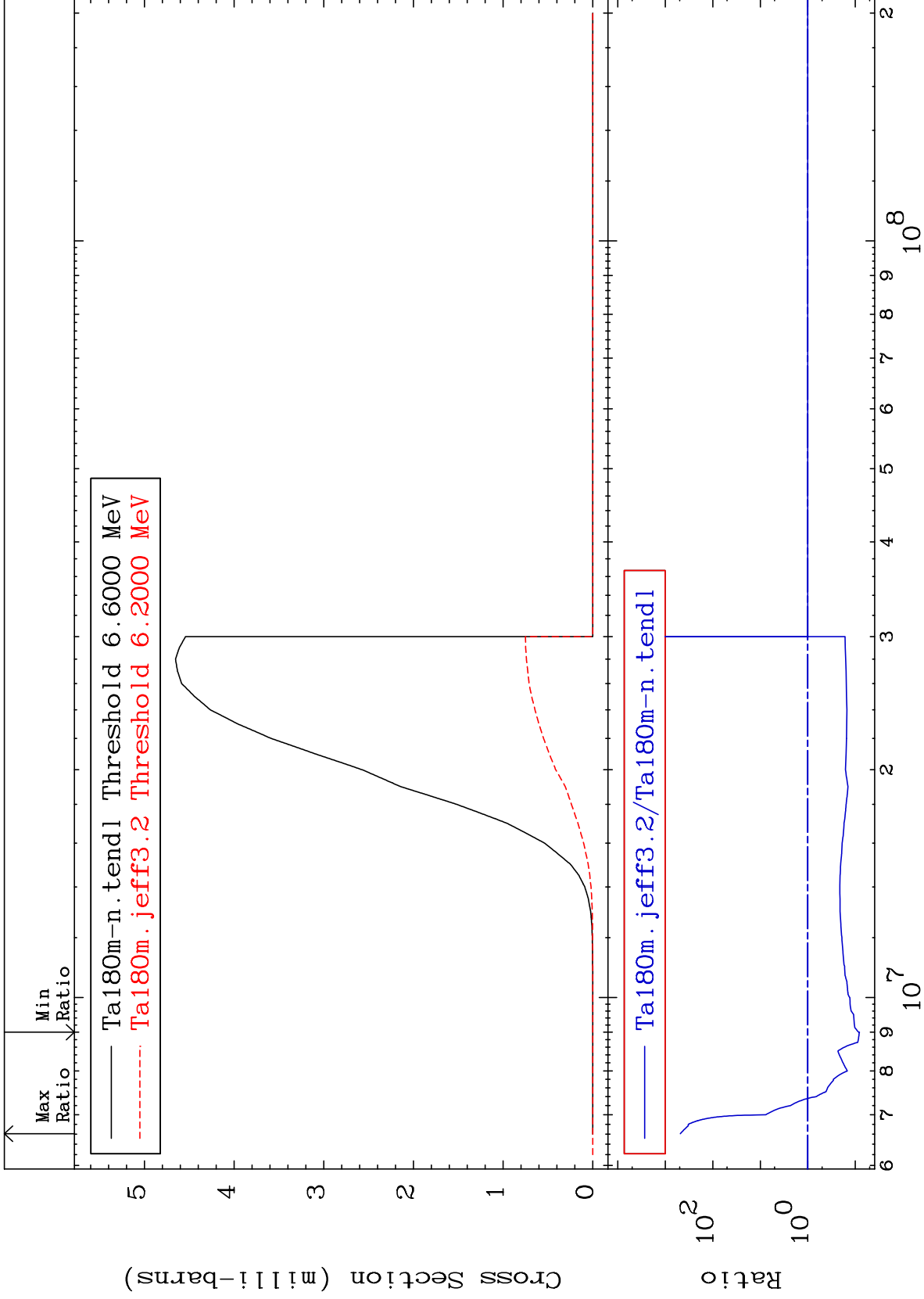


Radionuclide Production Cross Section

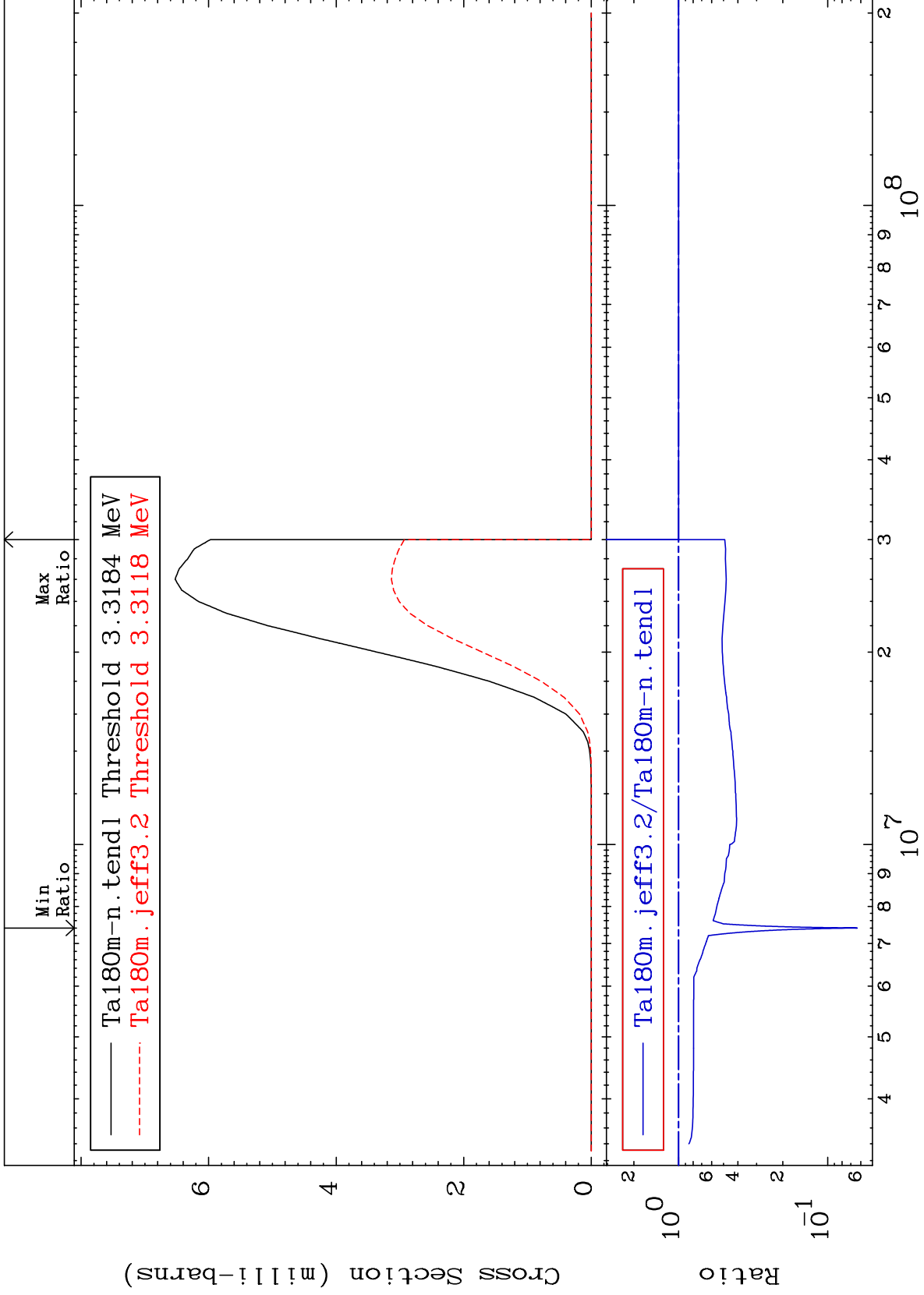
-58.29 To 22.85 %



Radionuclide Production Cross Section -91.81 To 9999. %



Radionuclide Production Cross Section -93.67 To 0.000 %

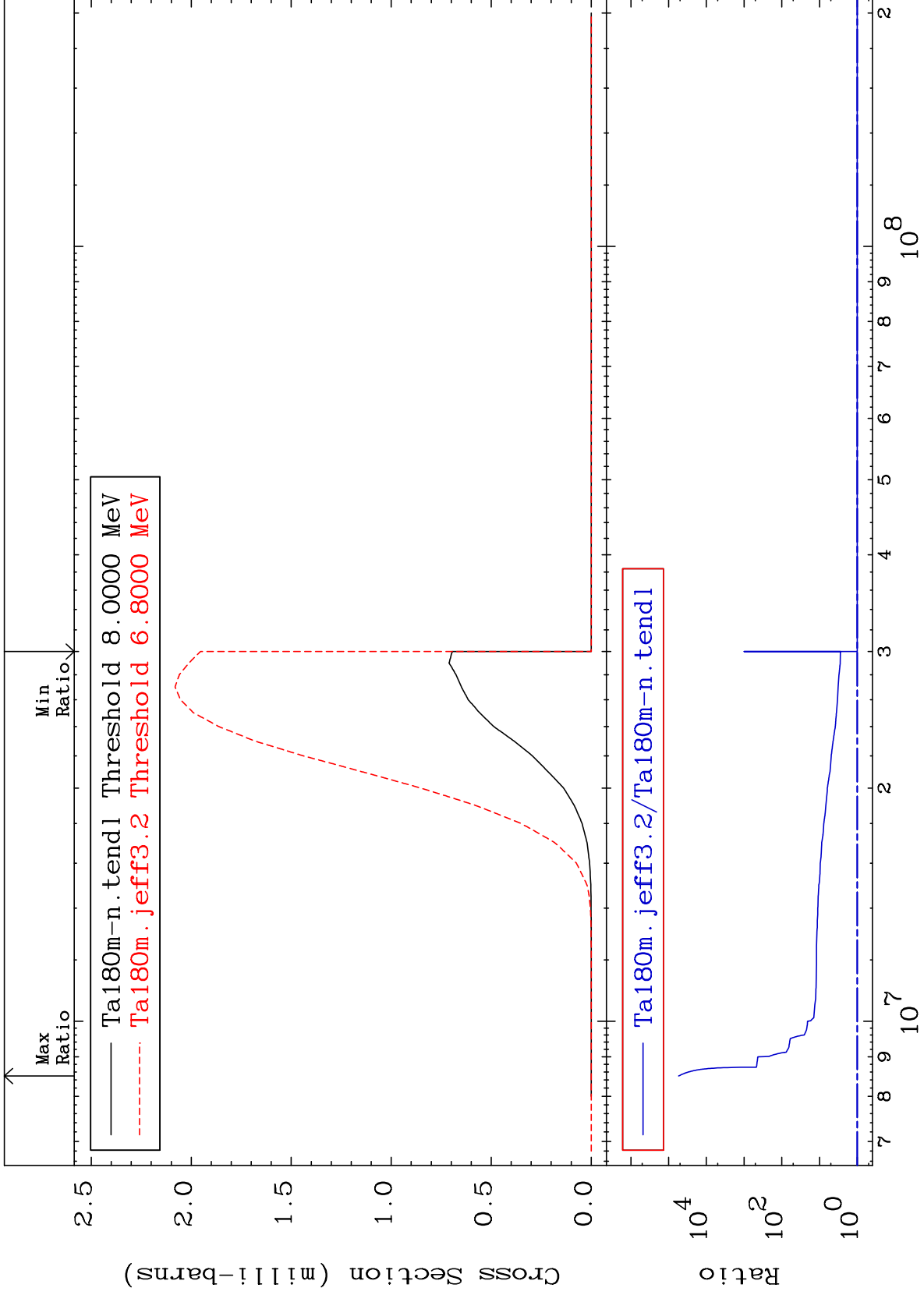


MAT 7326

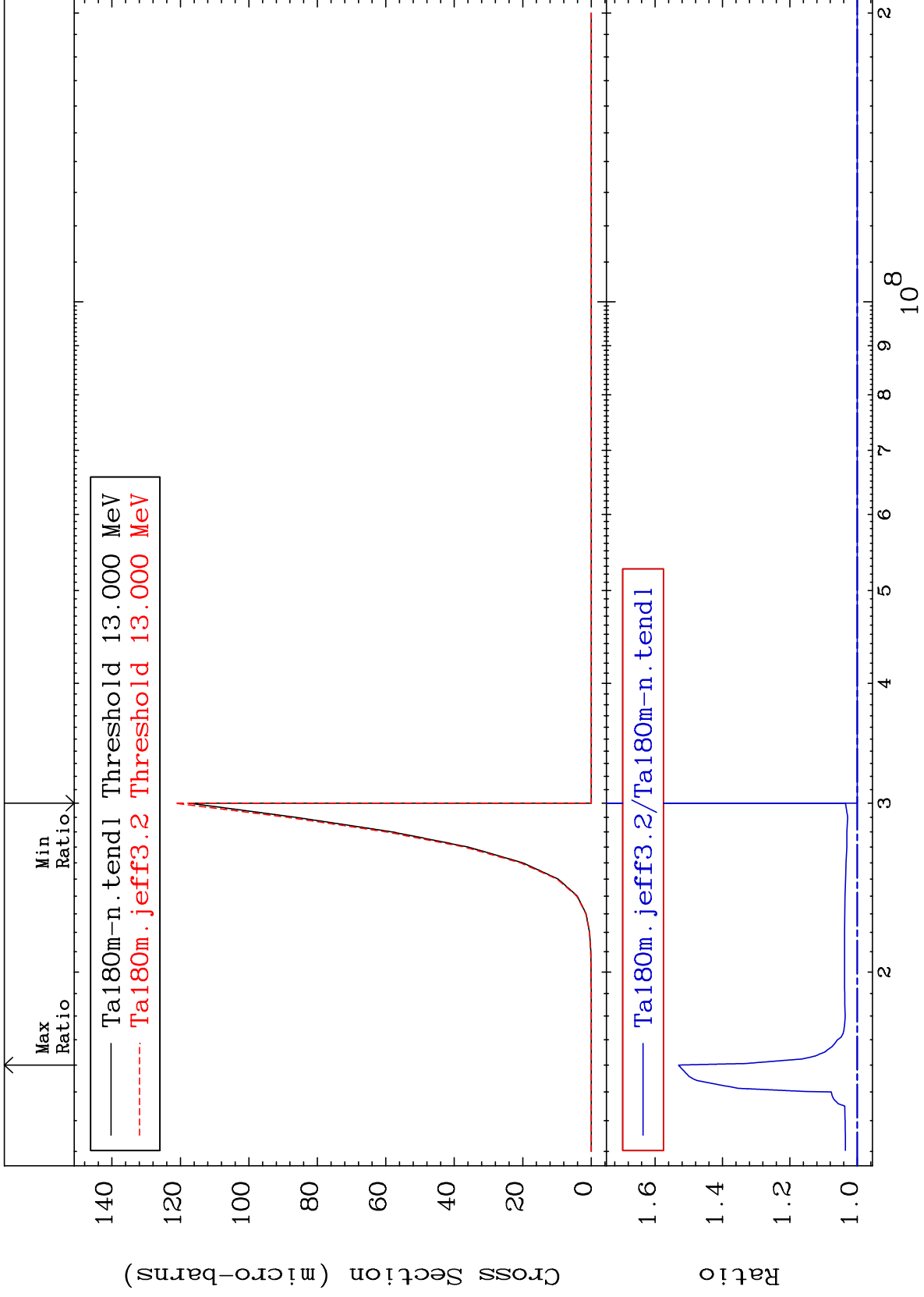
(n, t) : 72-Hf-178m5

73-Ta-180

Radionuclide Production Cross Section 0.000 To 9999. %



Radionuclide Production Cross Section 0.000 To 53.02 %

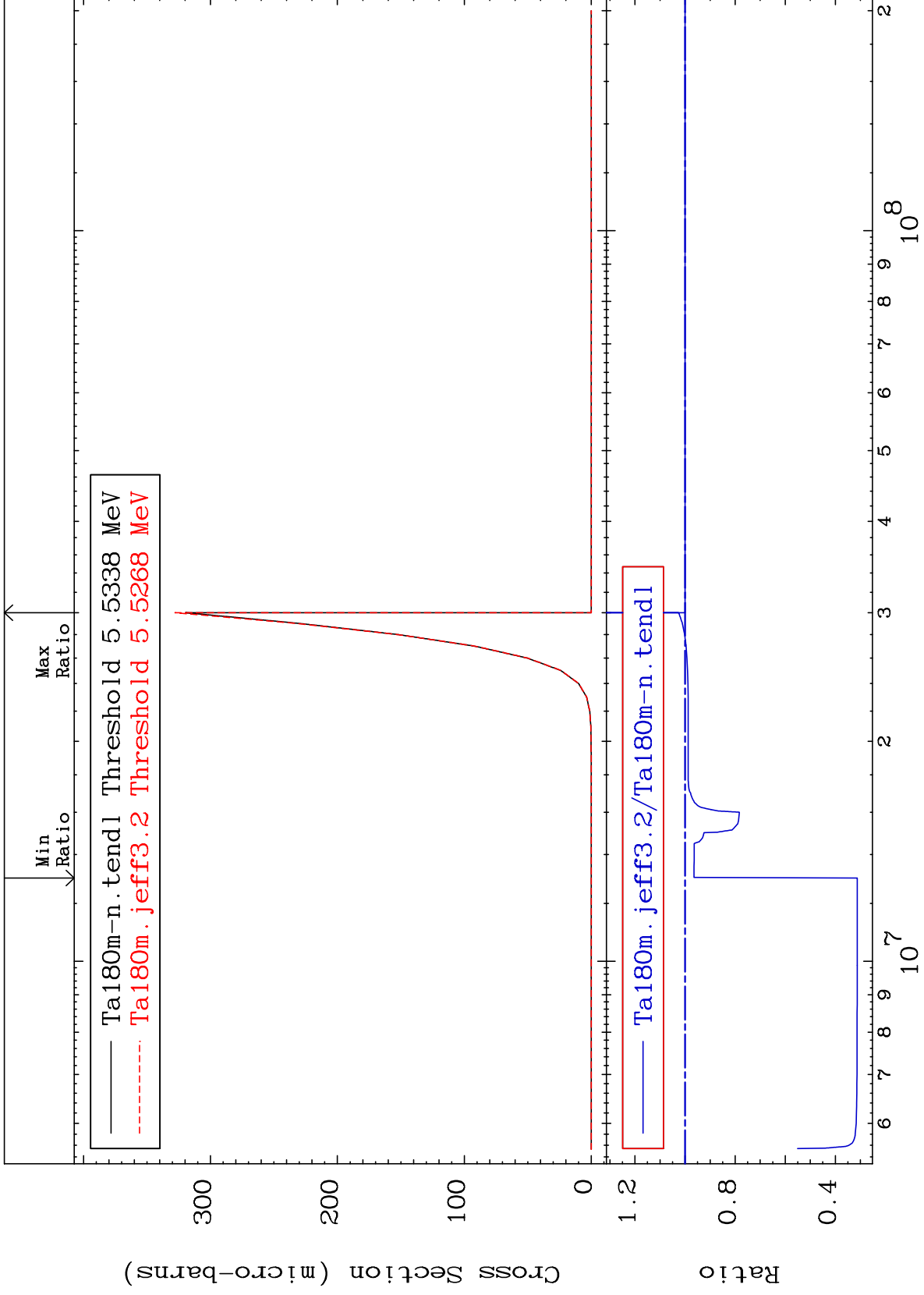


MAT 7326

(n,He-3):71-Lu-178m3

73-Ta-180

Radionuclide Production Cross Section -68.75 To 2.564 %

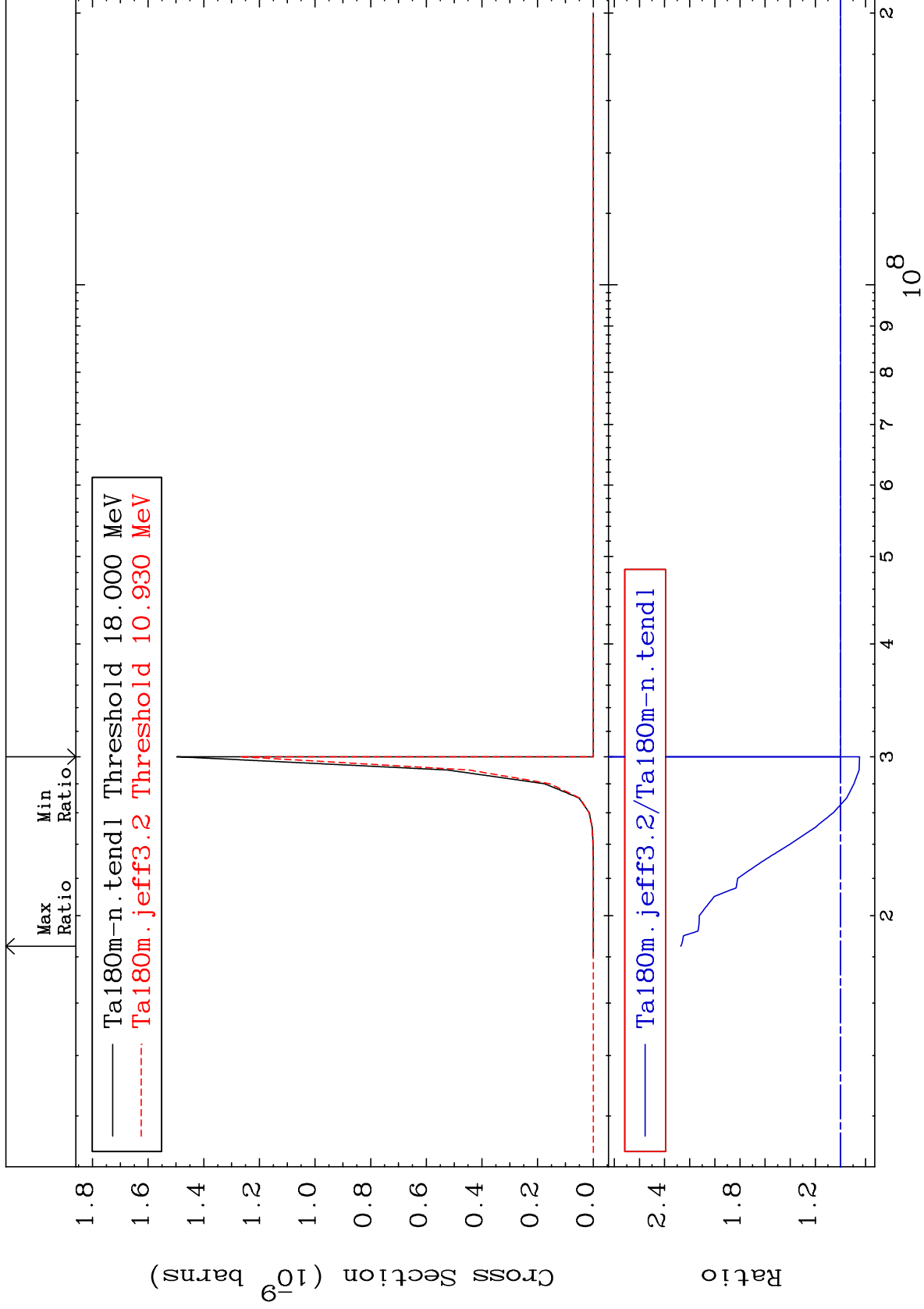


99

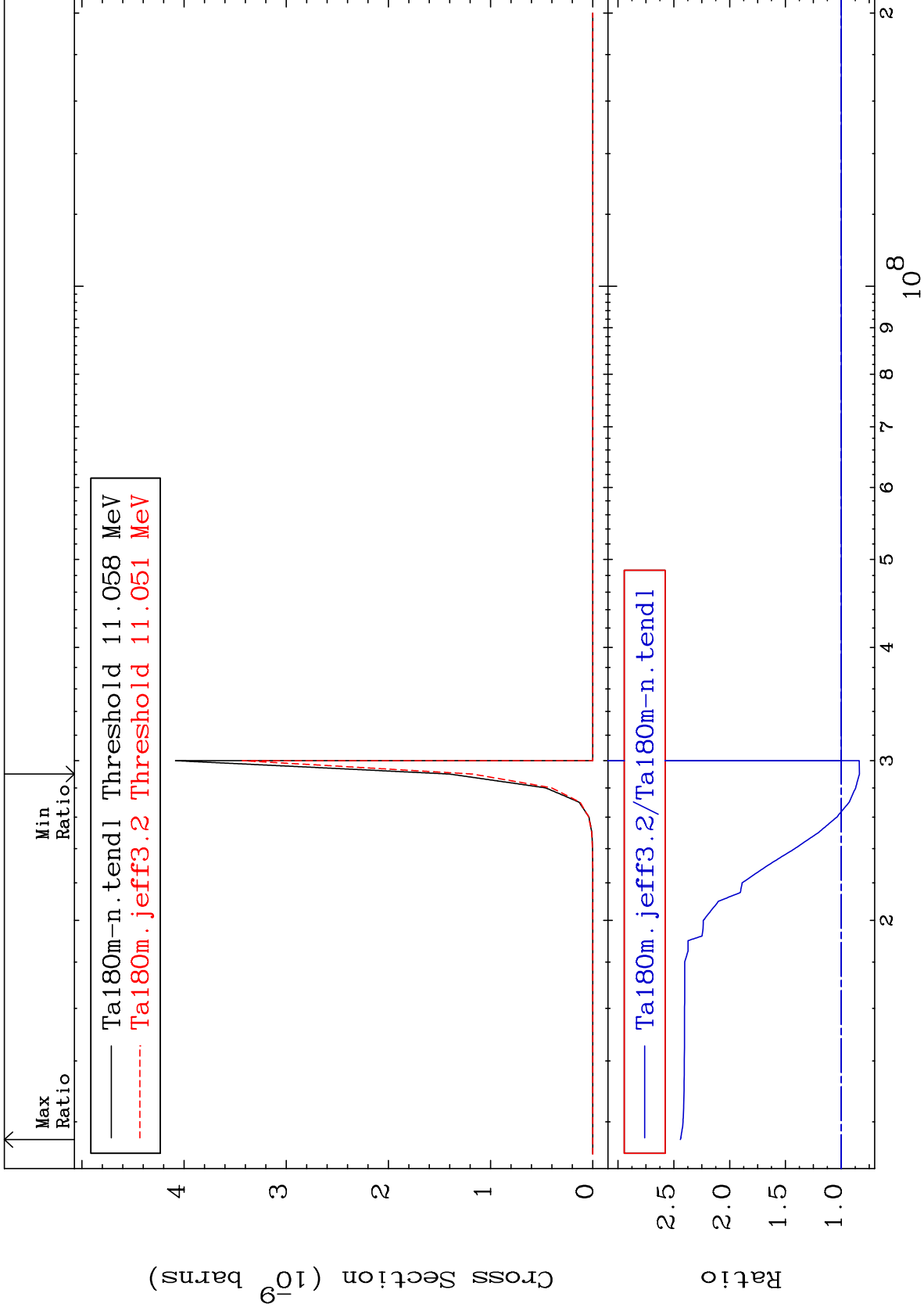
Incident Energy (eV)

73-Ta-180

Radionuclide Production Cross Section -15.15 To 127.1 %



Radionuclide Production Cross Section -16.27 To 144.2 %

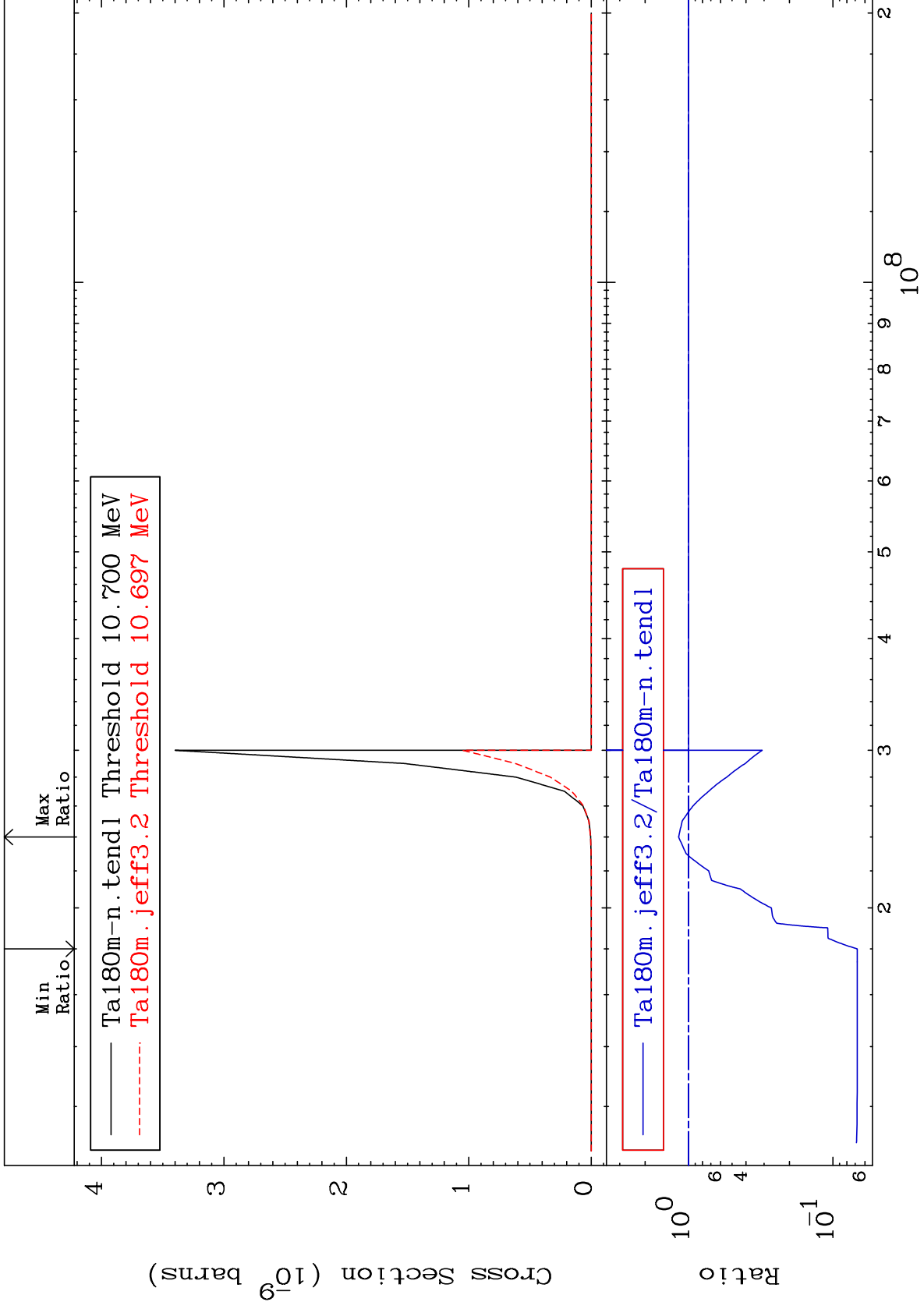


MAT 7326

(n, p) t:71-Lu-177g

73-Ta-180

Radionuclide Production Cross Section -93.22 To 17.11 %



102

Incident Energy (eV)

73-Ta-180

Radionuclide Production Cross Section -77.11 To 23.54 %

