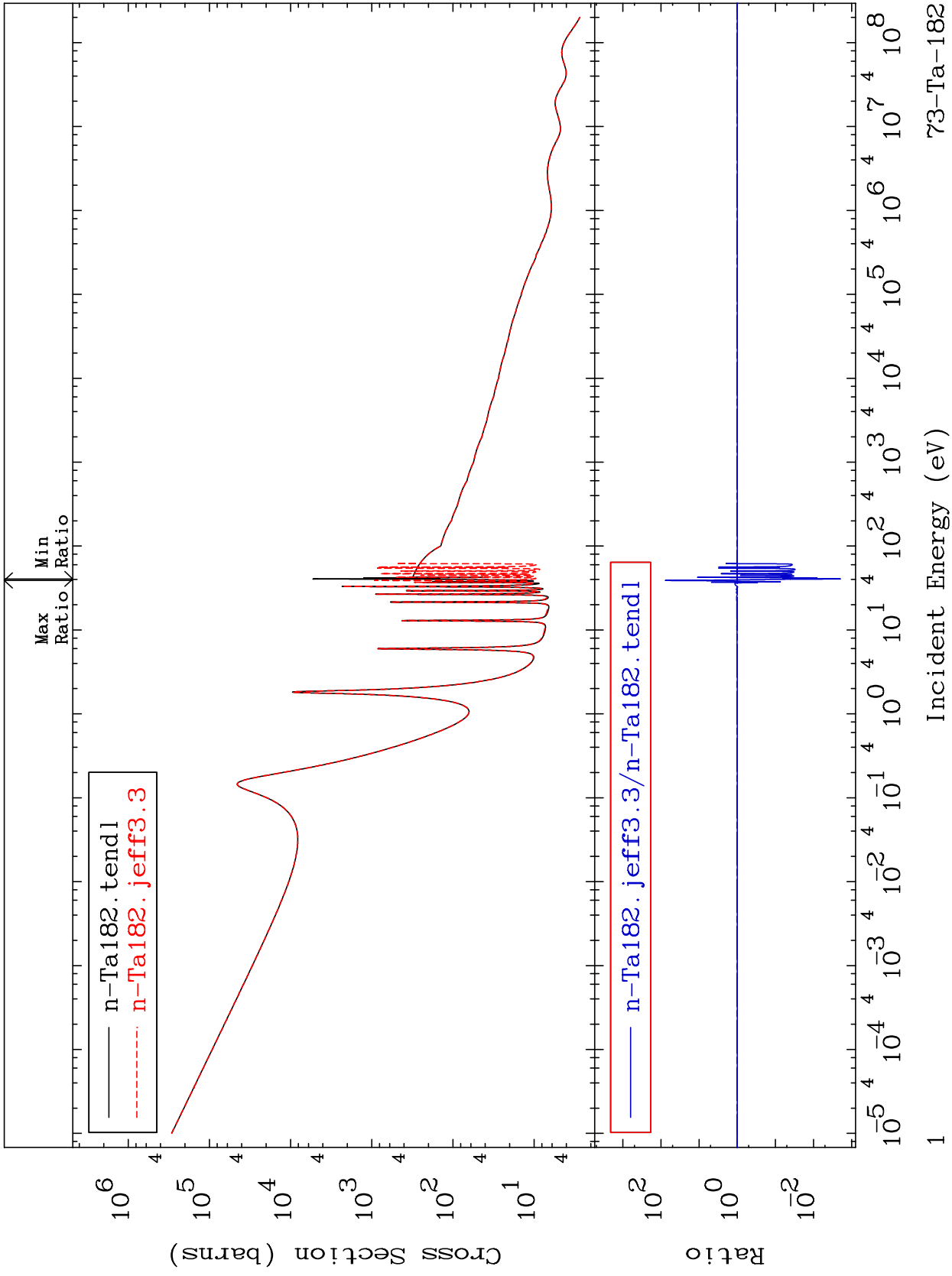


MAT 7331

Total Cross Section
73-Ta-182
-99.81 To 7529. %



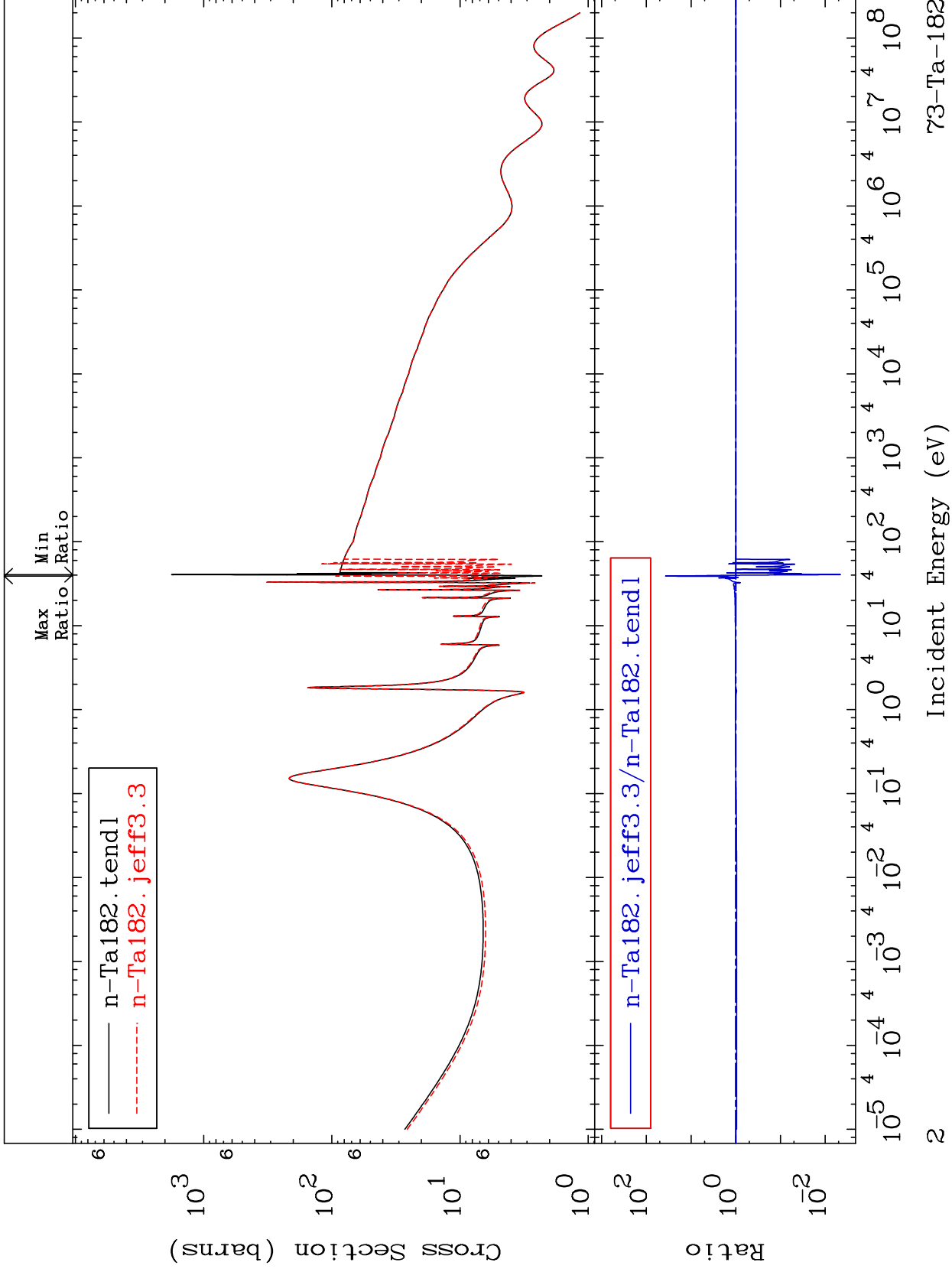
73-Ta-182

Incident Energy (eV)

MAT 7331

Elastic
Cross Section

73-Ta-182
-99.55 To 3634. %



73-Ta-182

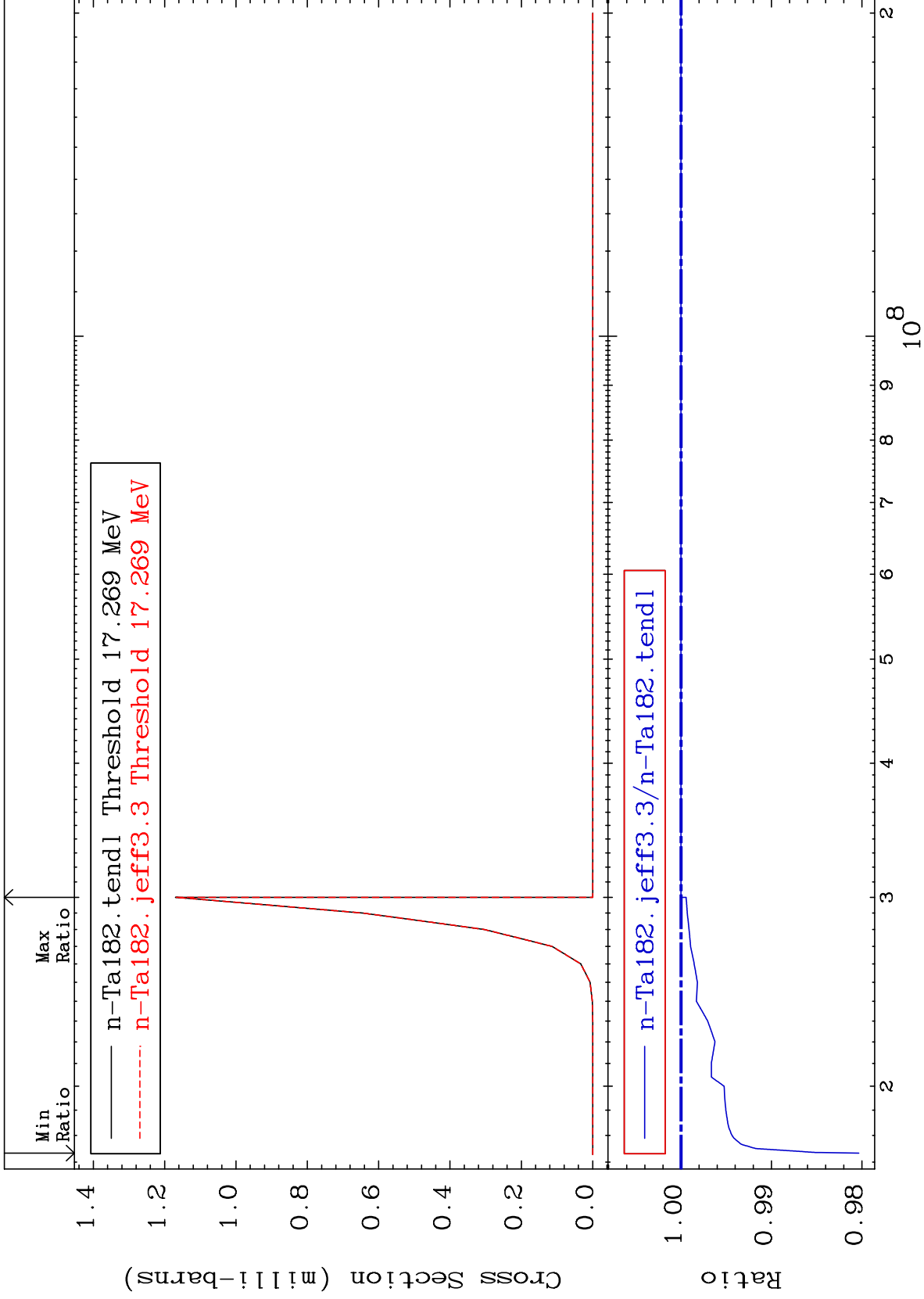
MAT 7331

(n,2n) d

⁷³Ta-182

Cross Section

-1.966 To 0.000 %



MAT 7331

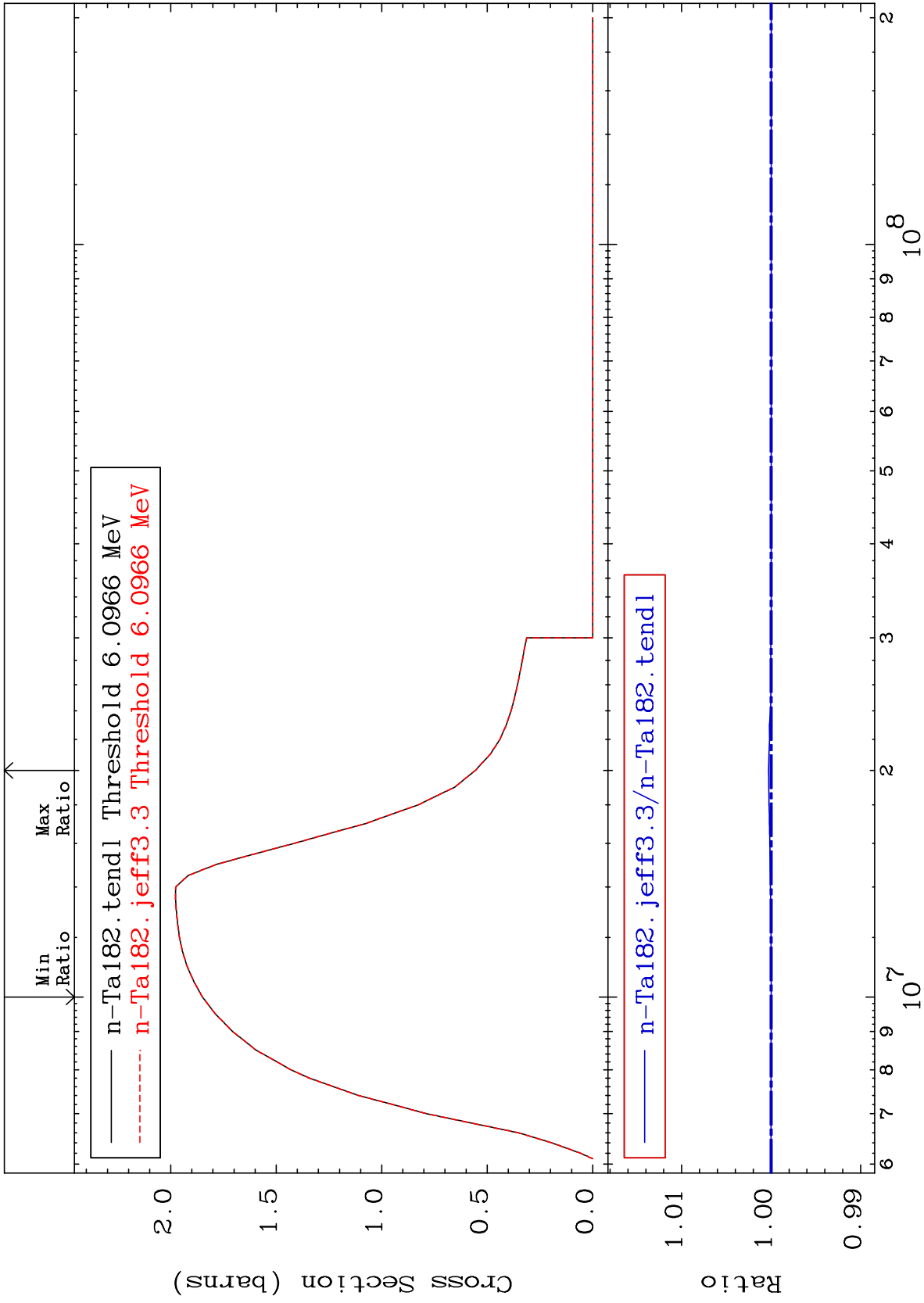
(n,2n)

⁷³Ta-182

Cross Section

0.000

To 0.029 %



MAT 7331

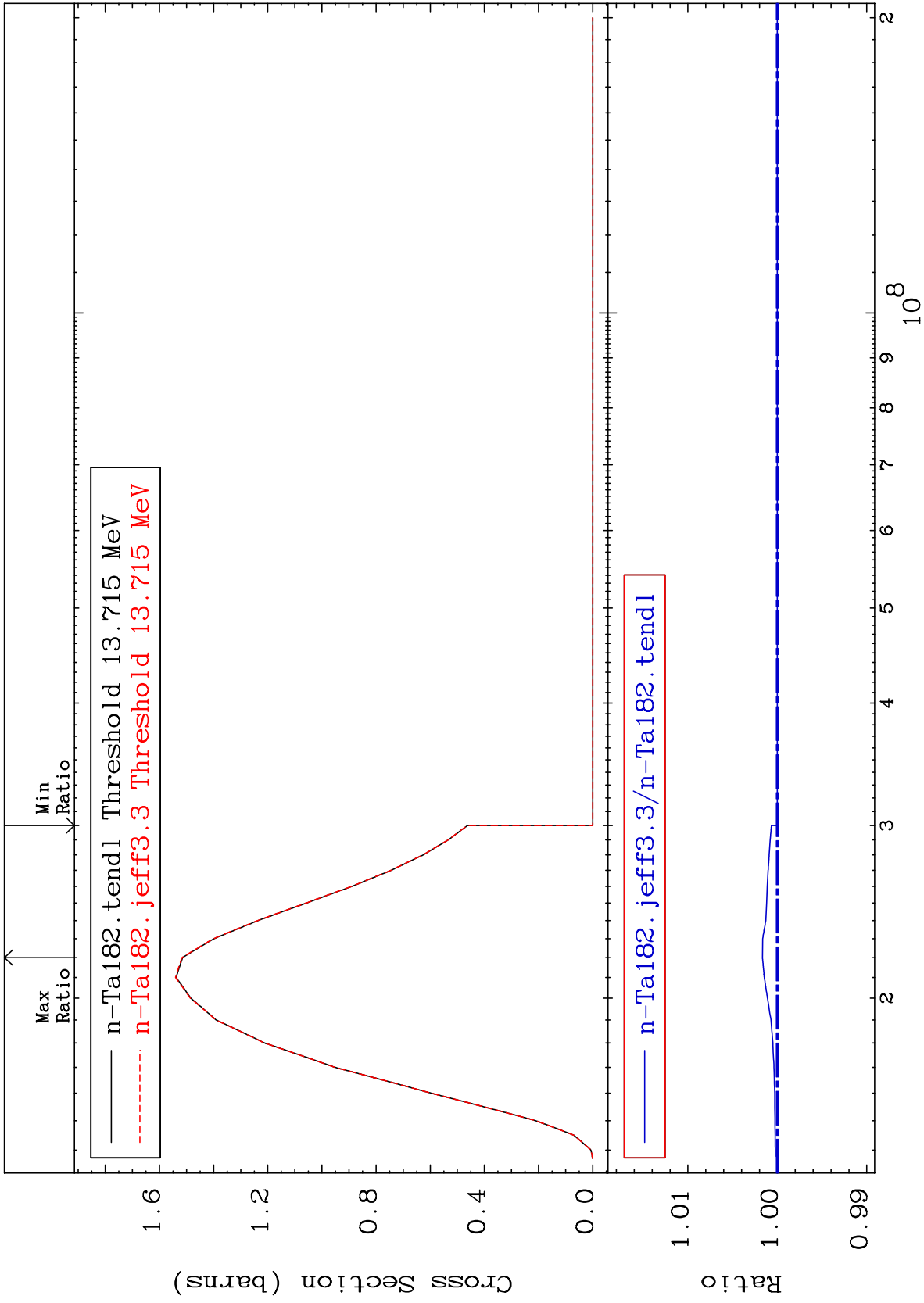
(n,3n)

⁷³Ta-182

Cross Section

0.000

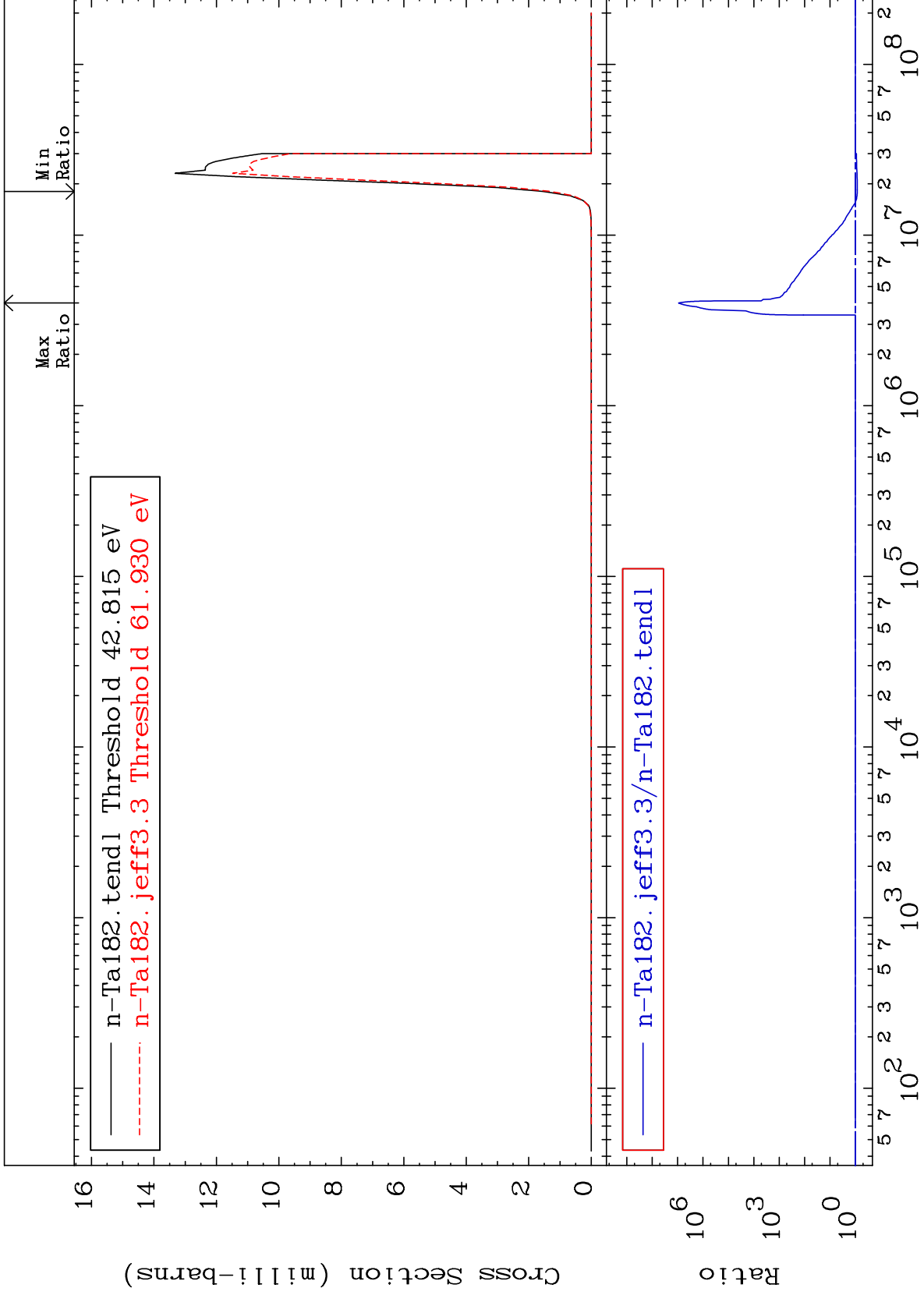
To 0.167 %



MAT 7331

(n, n') α
Cross Section

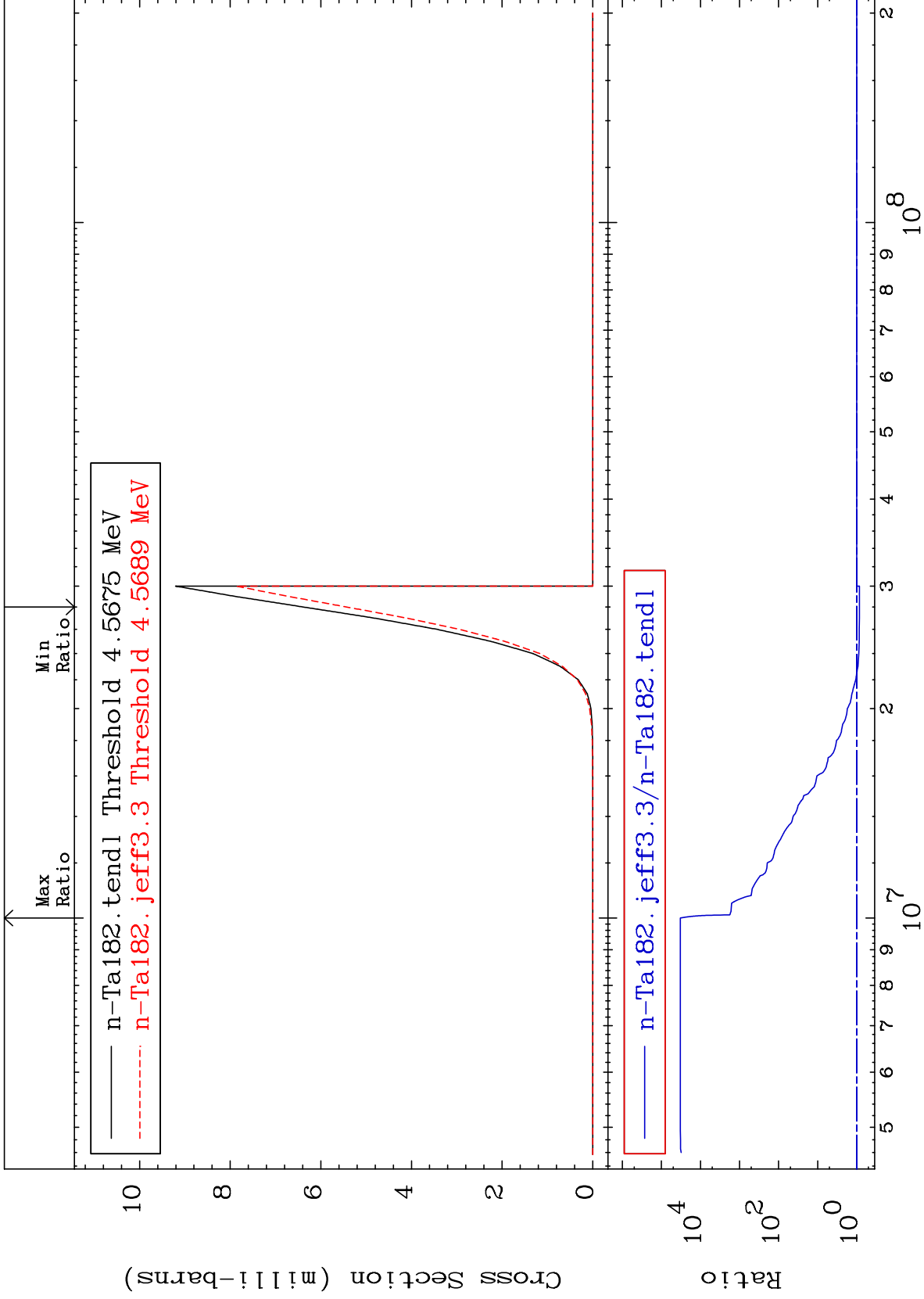
73-Ta-182
-15.88 To 9999. %



MAT 7331

(n,2n) α
Cross Section

⁷³Ta-182
-14.93 To 9999. %



7

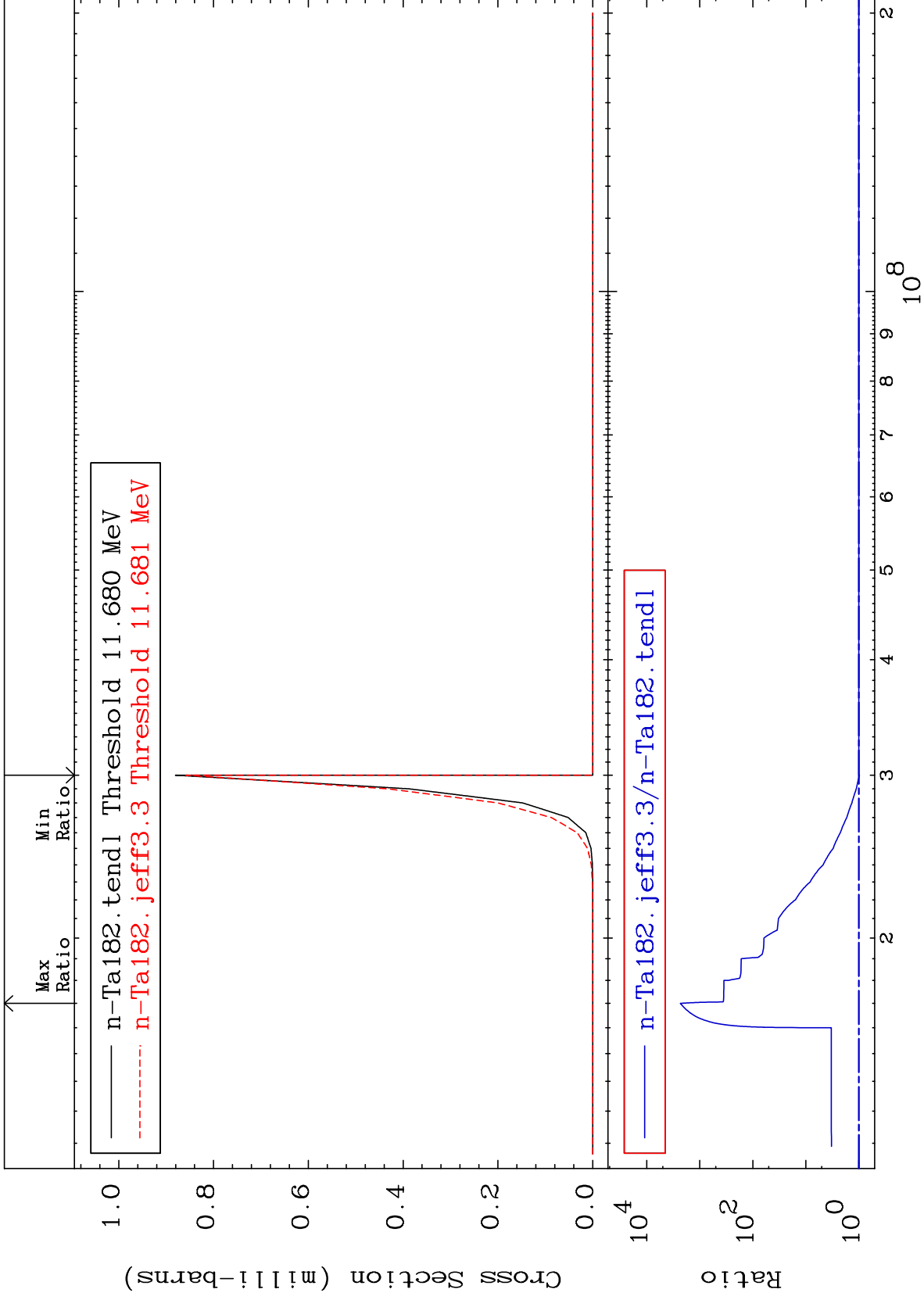
Incident Energy (eV)

⁷³Ta-182

MAT 7331

(n,3n) α
Cross Section

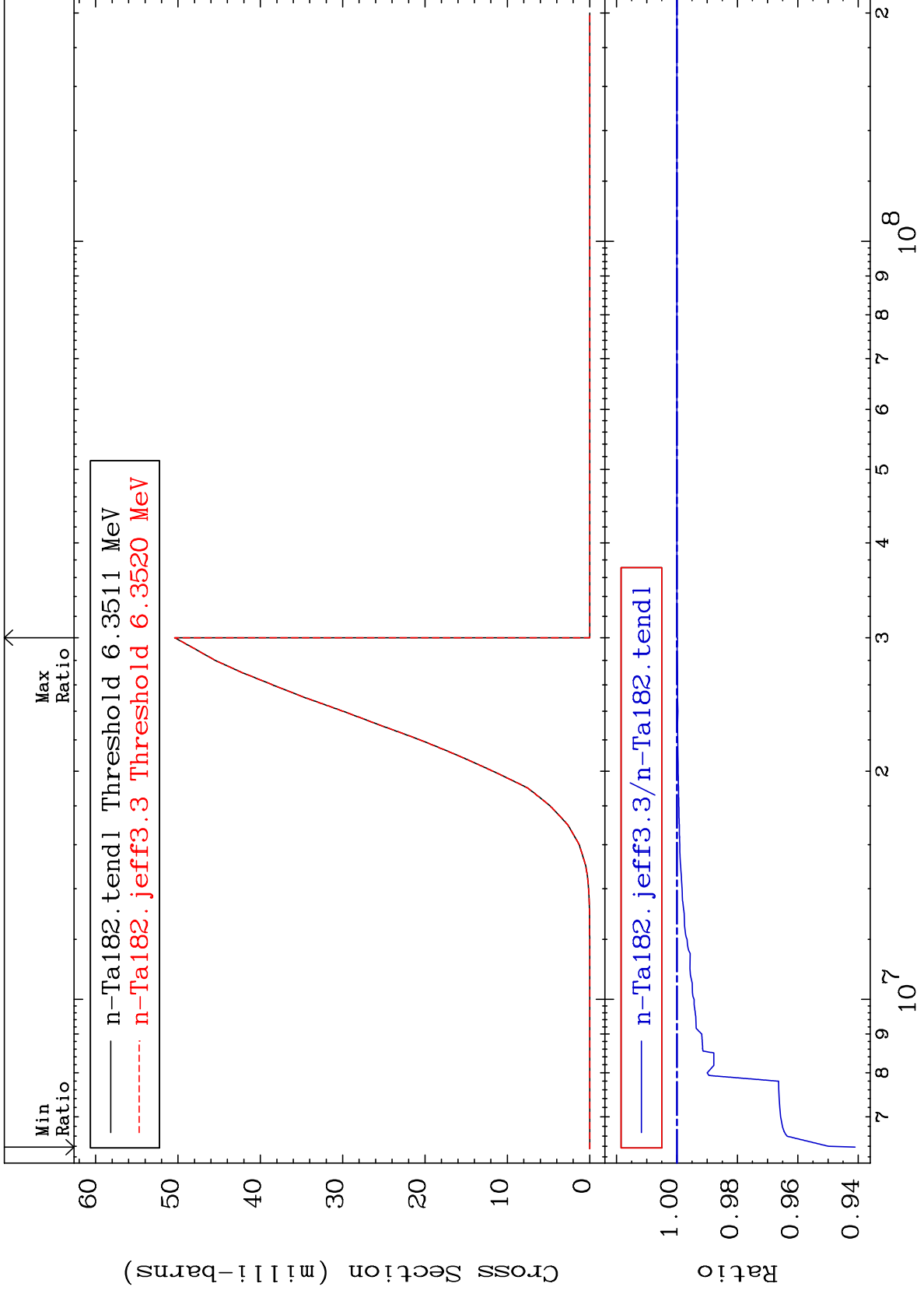
⁷³Ta-182
-2.585 To 9999. %



MAT 7331

(n,n') p
Cross Section

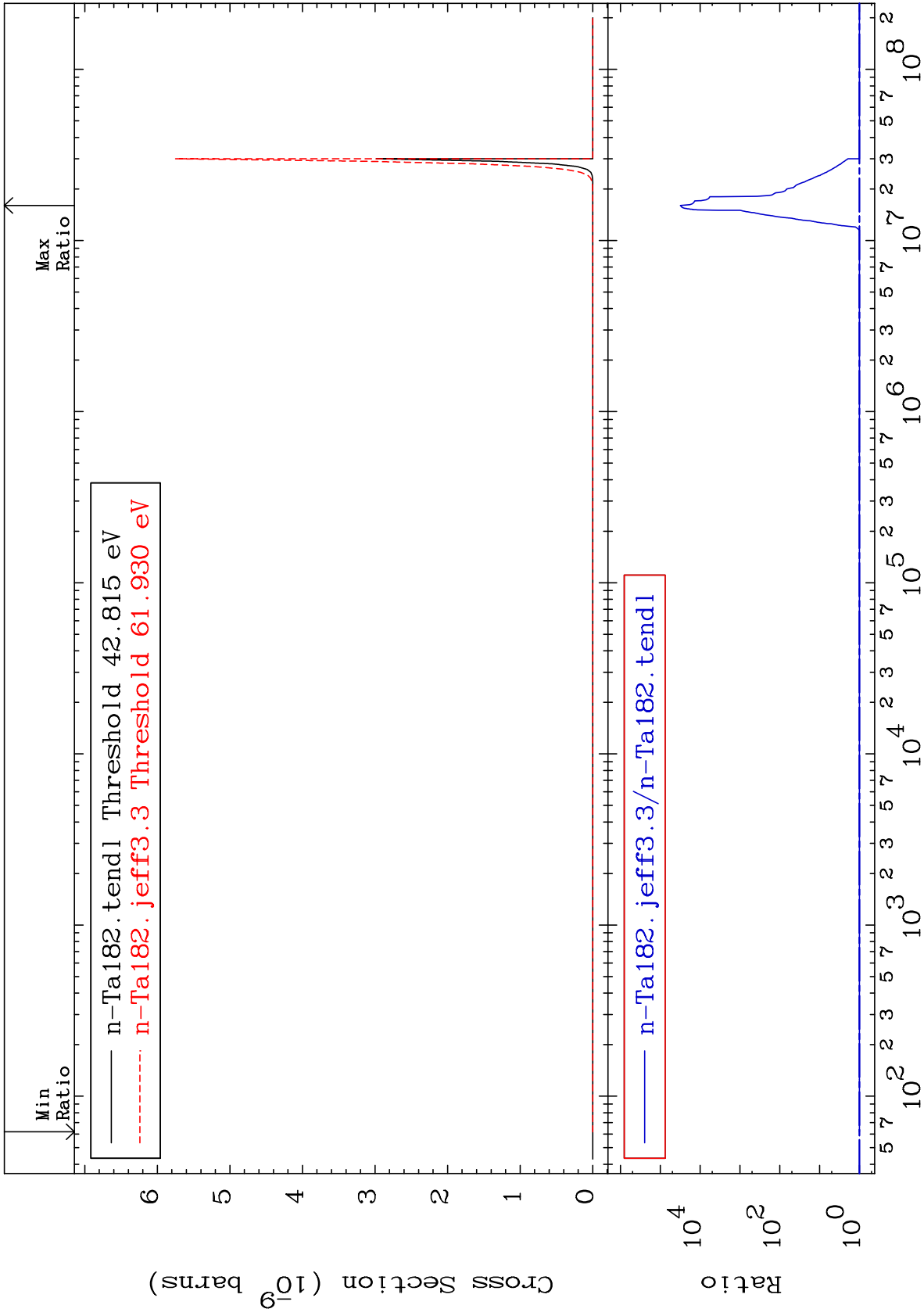
⁷³Ta-¹⁸²Ta
-5.896 To 0.000 %



MAT 7331

(n, n') 2α
Cross Section

73-Ta-182
To 9999. %



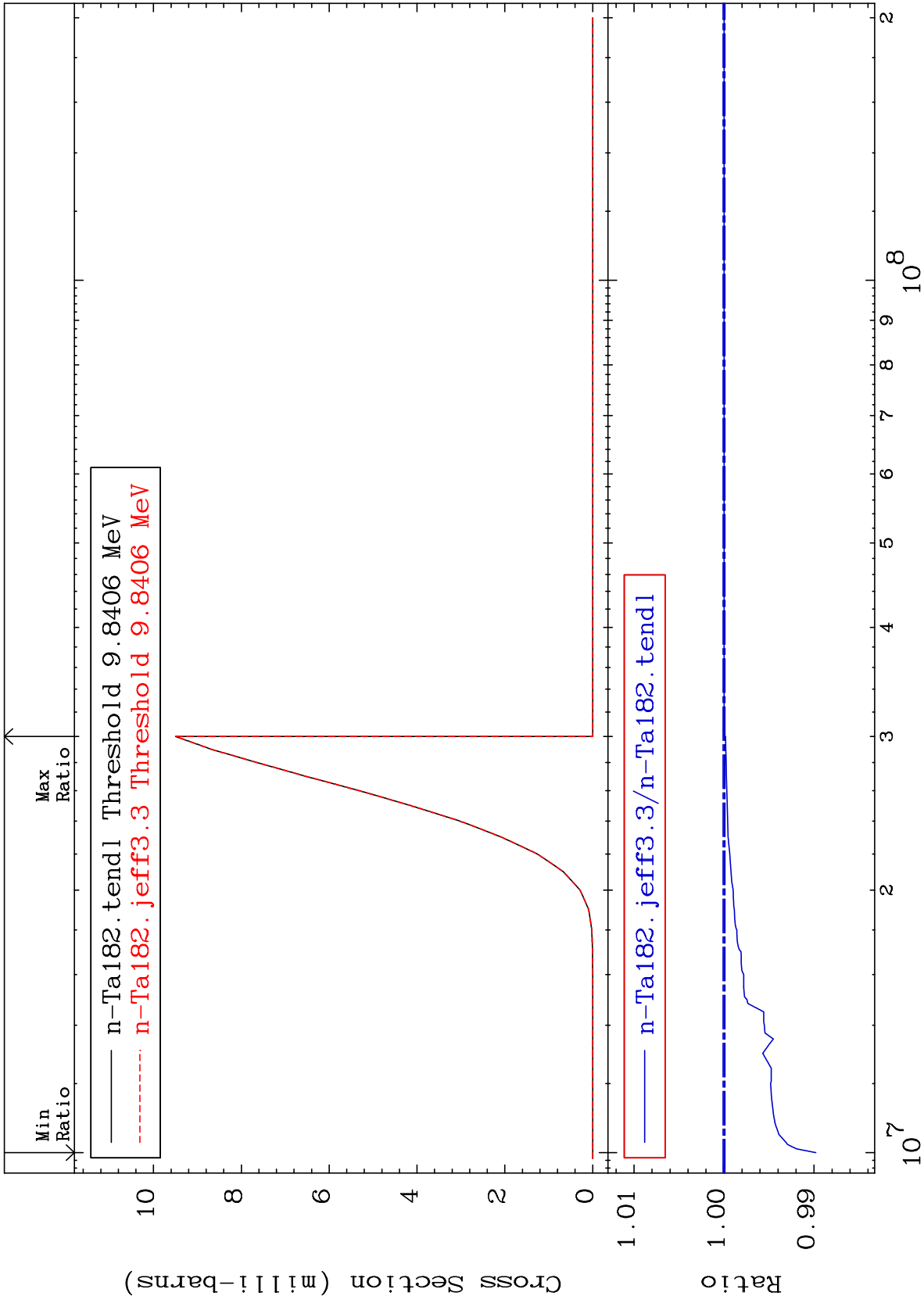
MAT 7331

(n,n') d

⁷³Ta-182

Cross Section

-1.020 To 0.000 %



11

Incident Energy (eV)

⁷³Ta-182

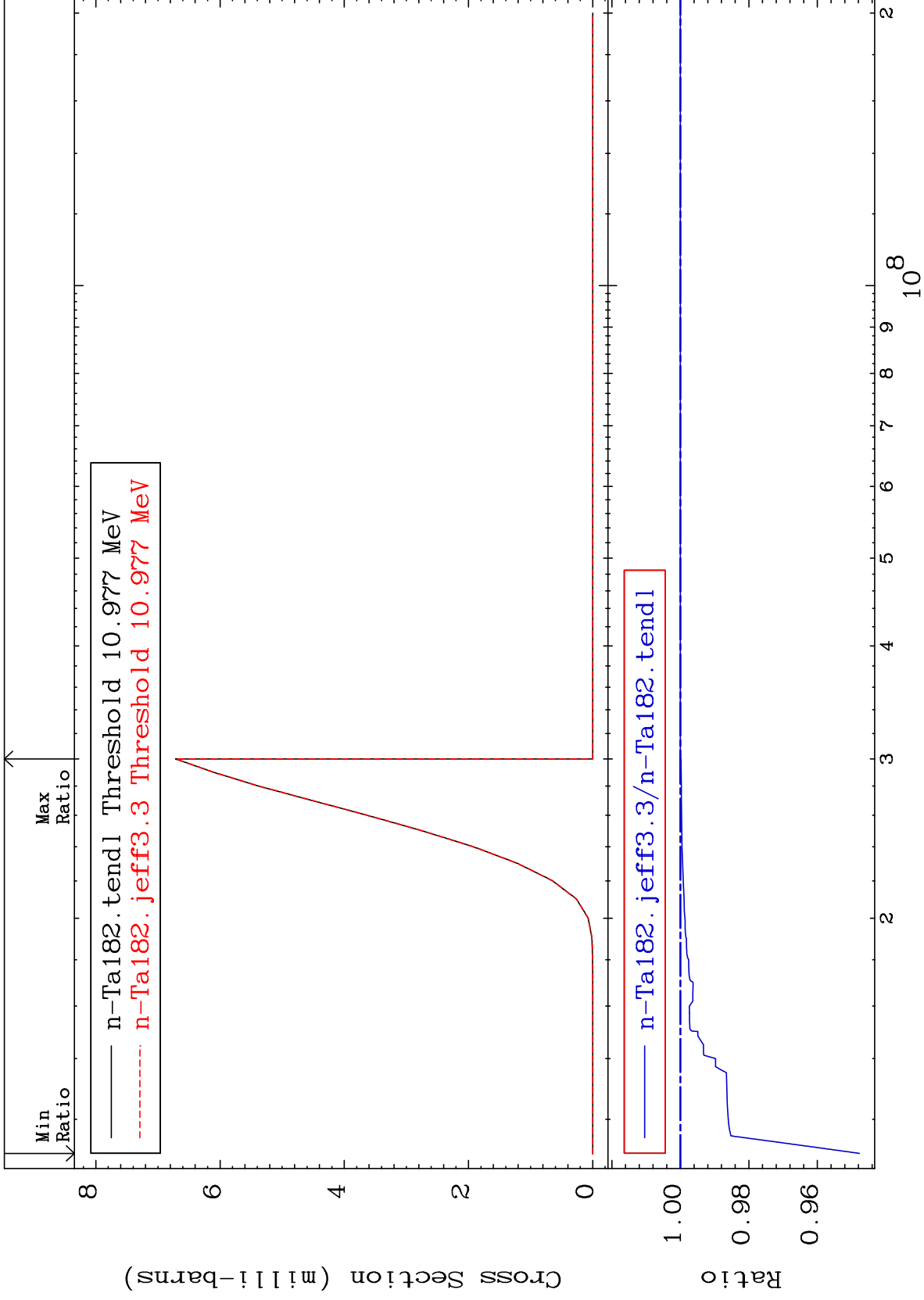
MAT 7331

(n,n') t

⁷³Ta-182

Cross Section

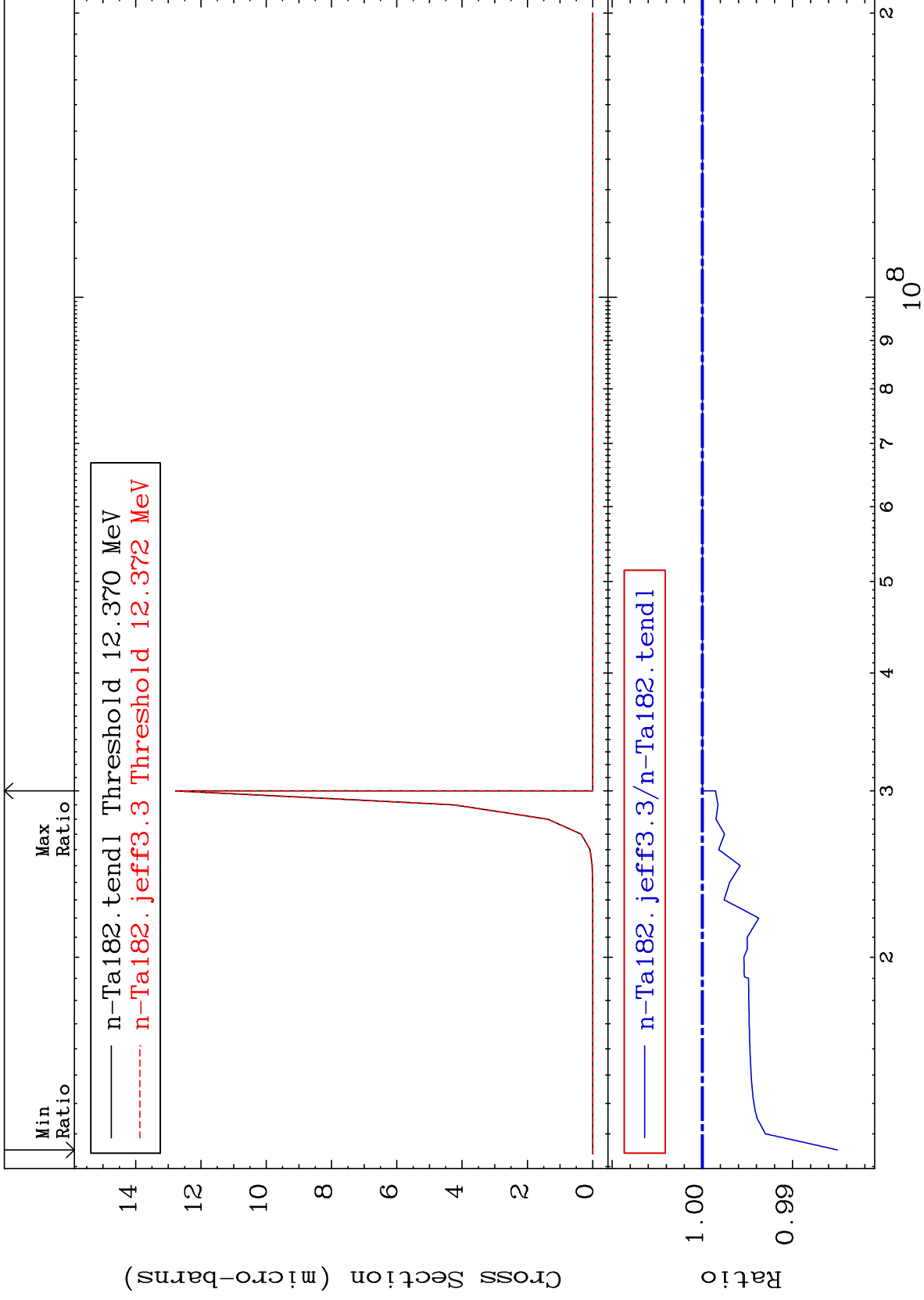
-5.228 To 0.000 %



12

Incident Energy (eV)

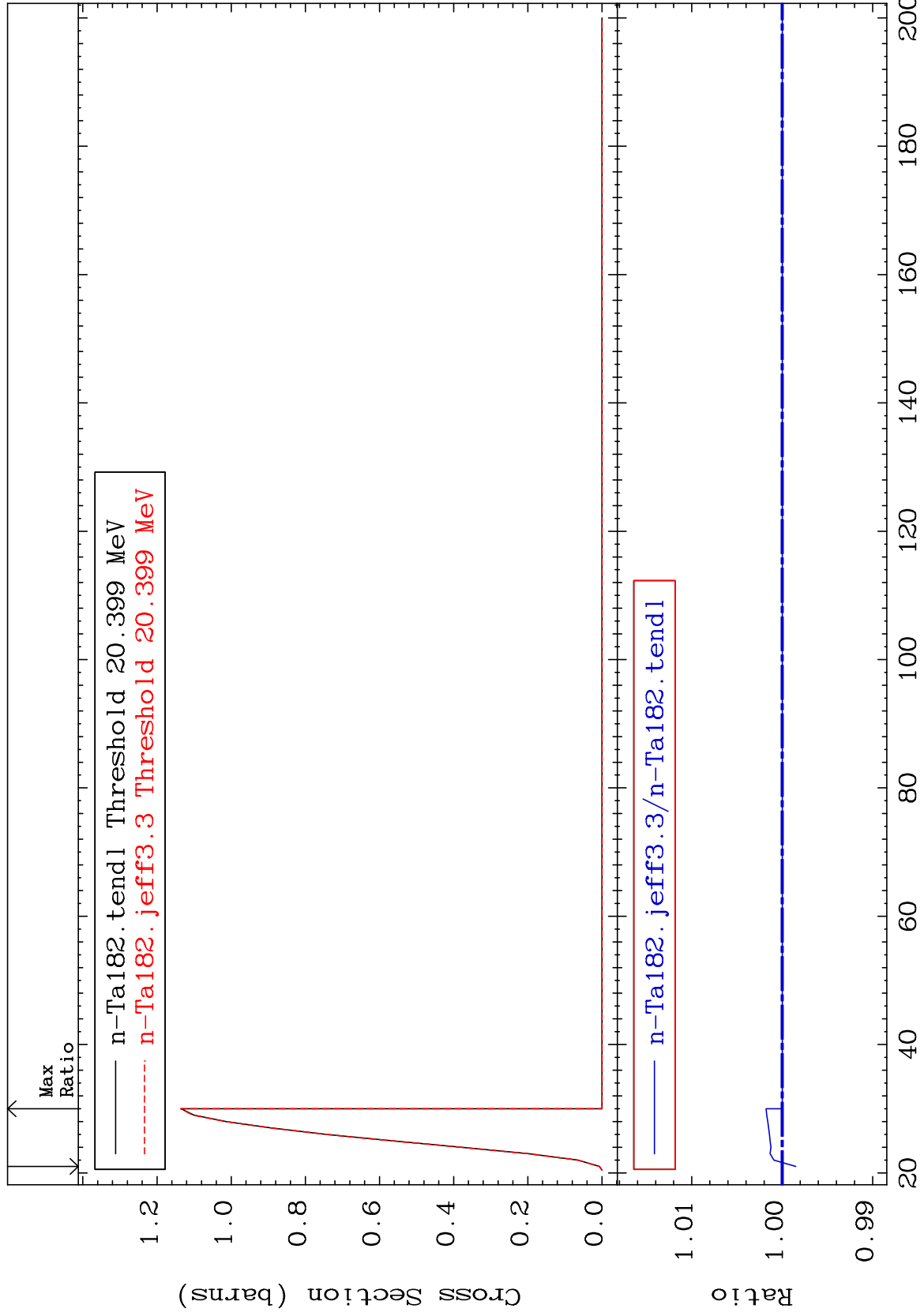
⁷³Ta-182

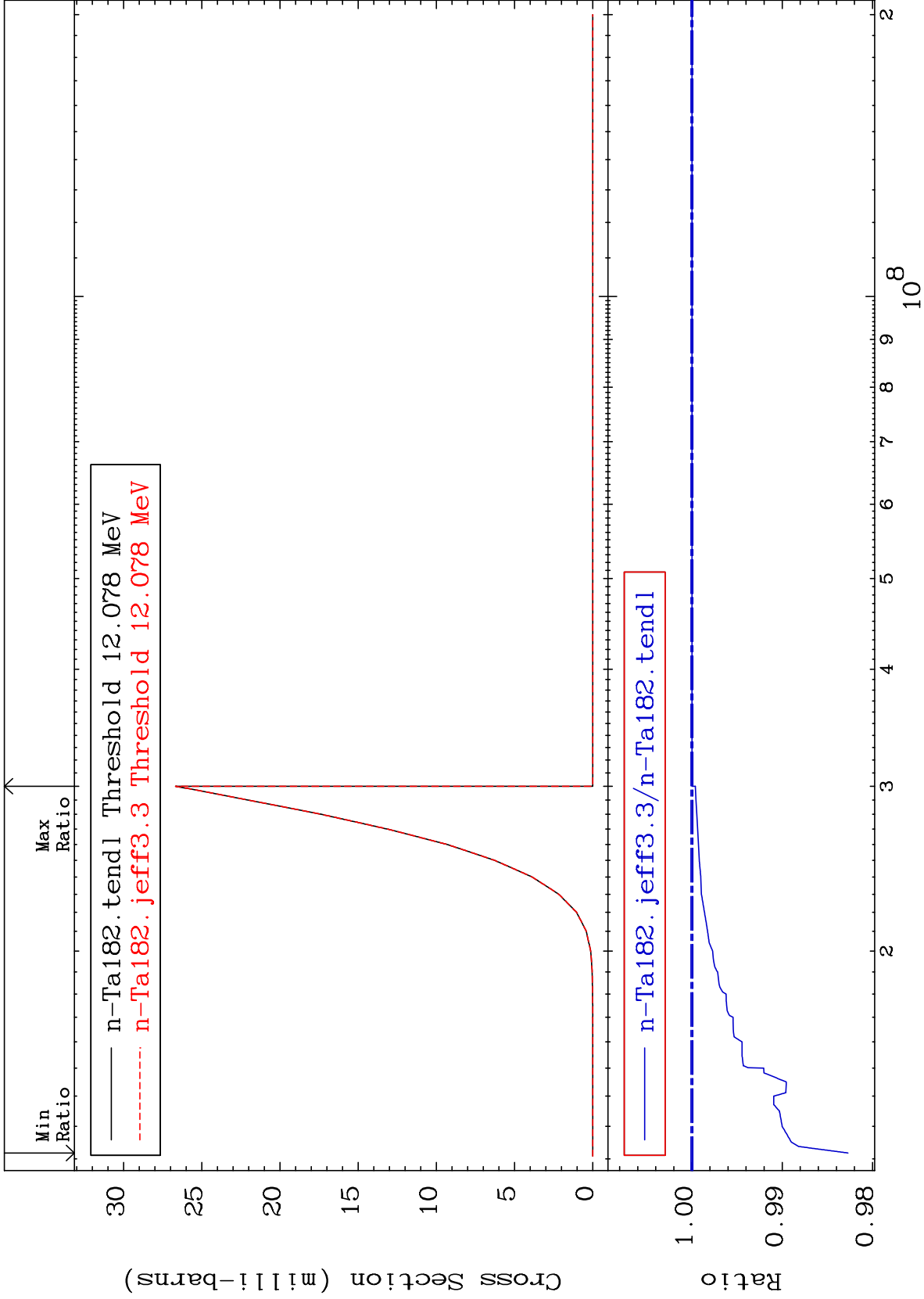


MAT 7331

(n,4n)
Cross Section

⁷³Ta-¹⁸²Ta
-0.151 To 0.179 %

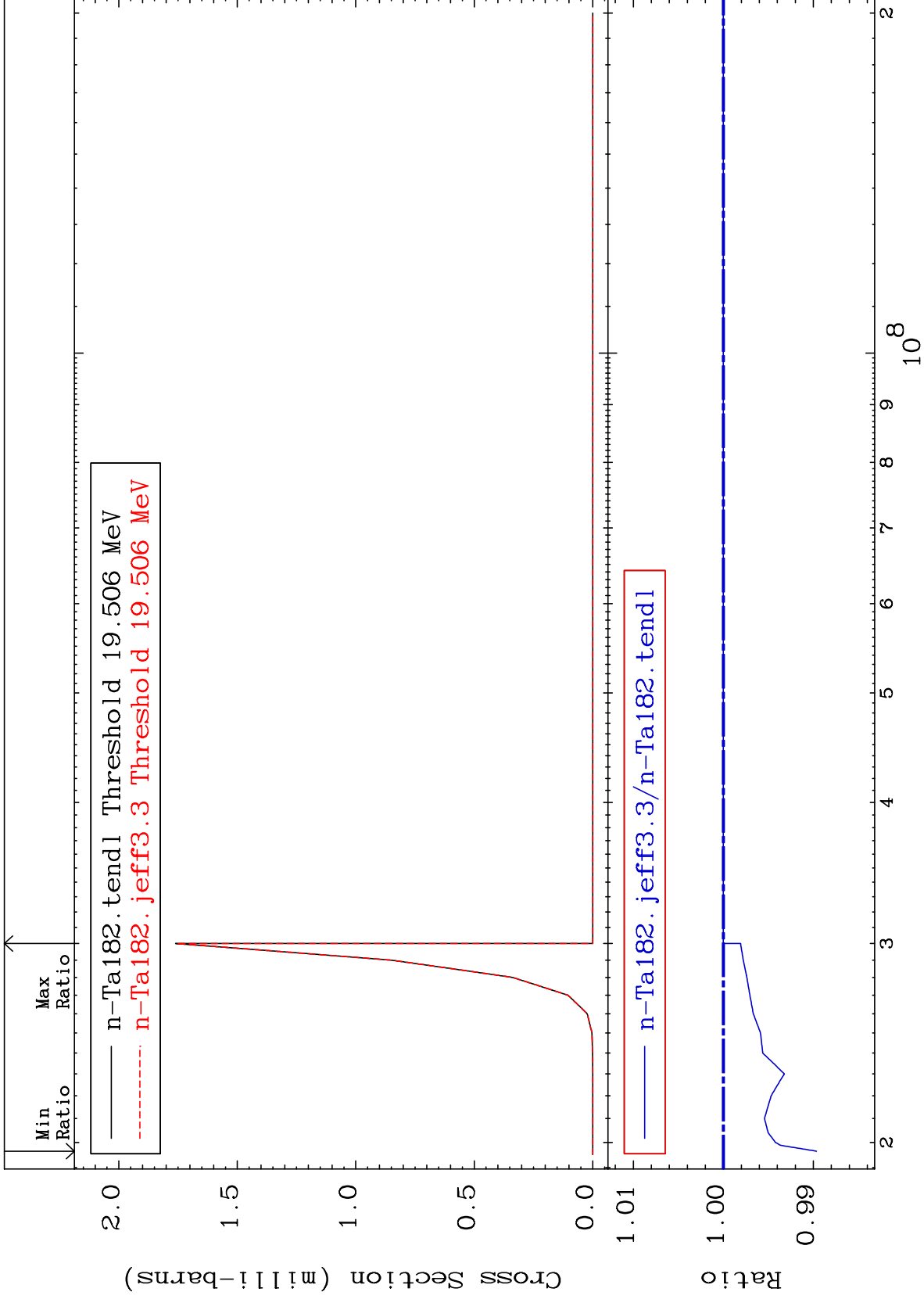


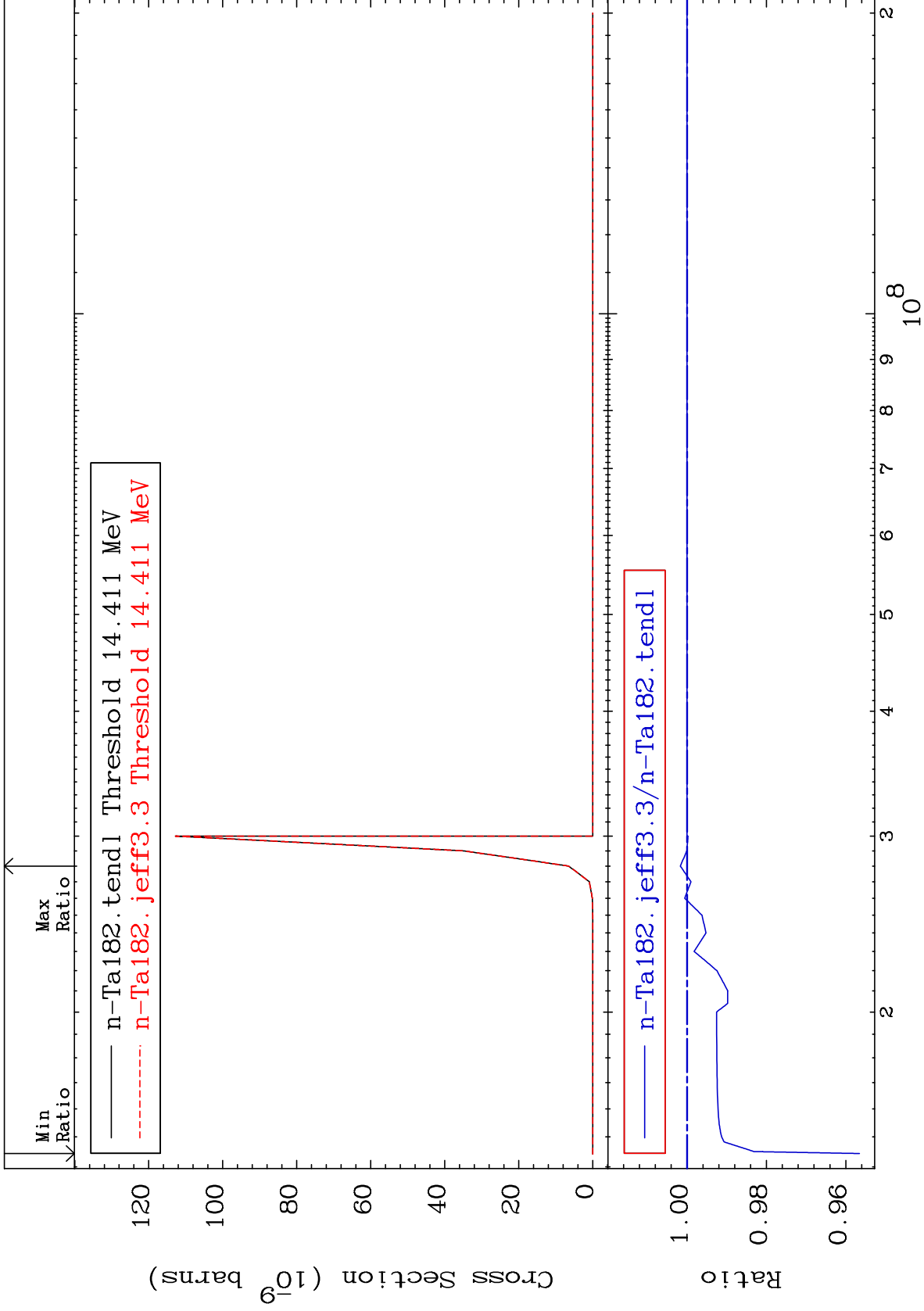


MAT 7331

(n,3n) p
Cross Section

⁷³Ta-182
-1.034 To 0.000 %

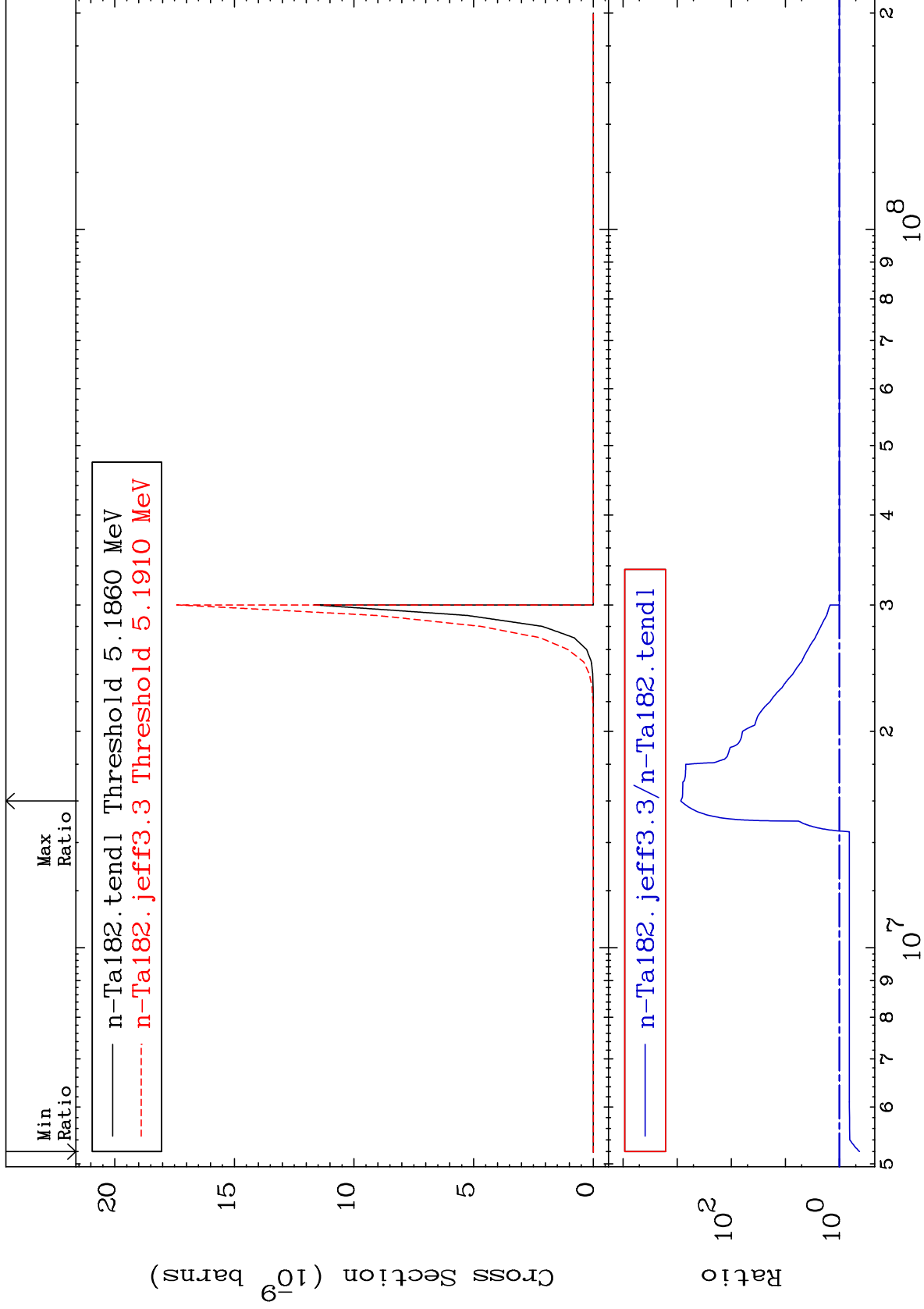




MAT 7331

(n,n') p α
Cross Section

73-Ta-182
-57.52 To 9999. %



18

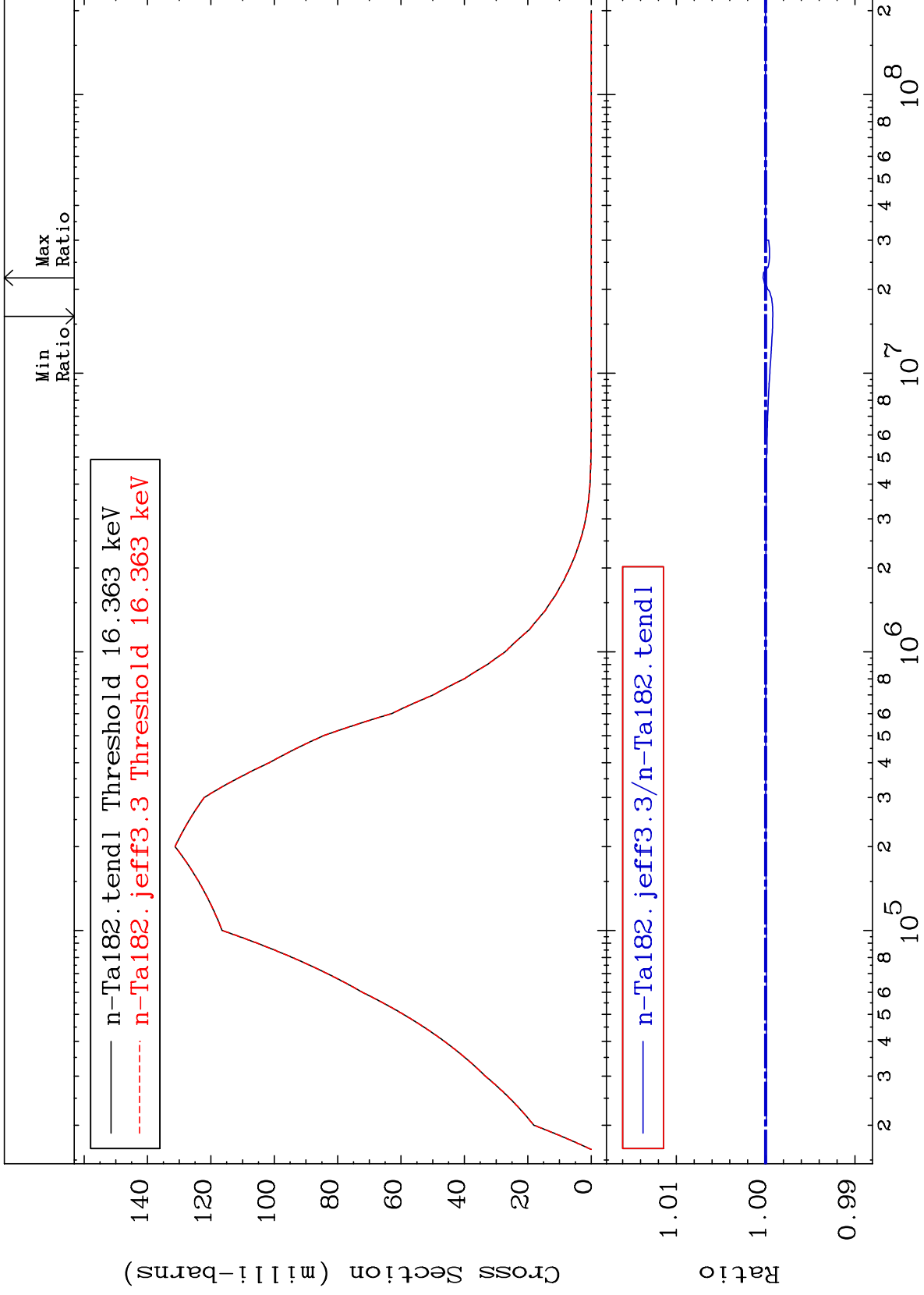
Incident Energy (eV)

73-Ta-182

MAT 7331

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

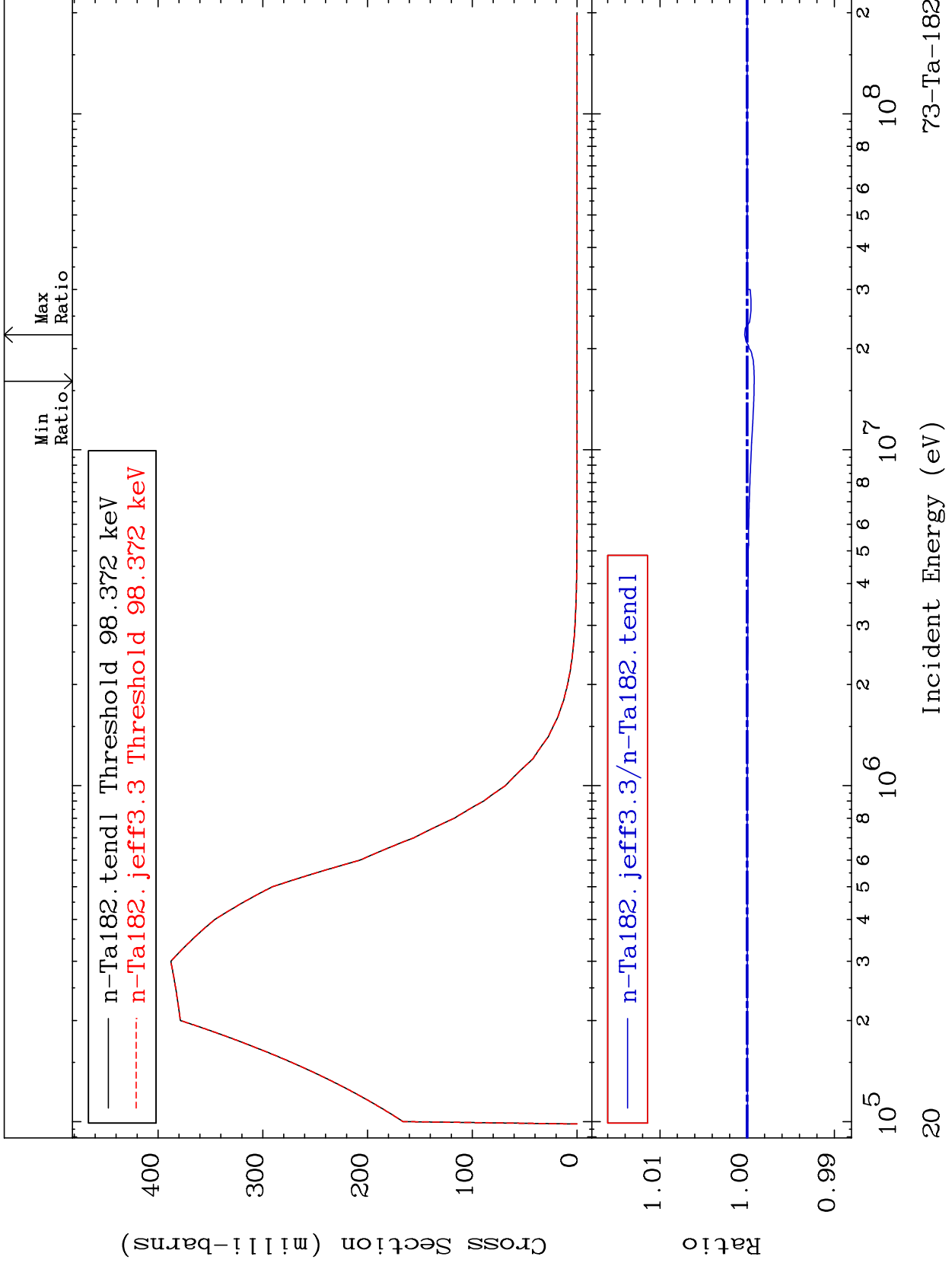
73-Ta-182
-0.081 To 0.028 %



MAT 7331

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

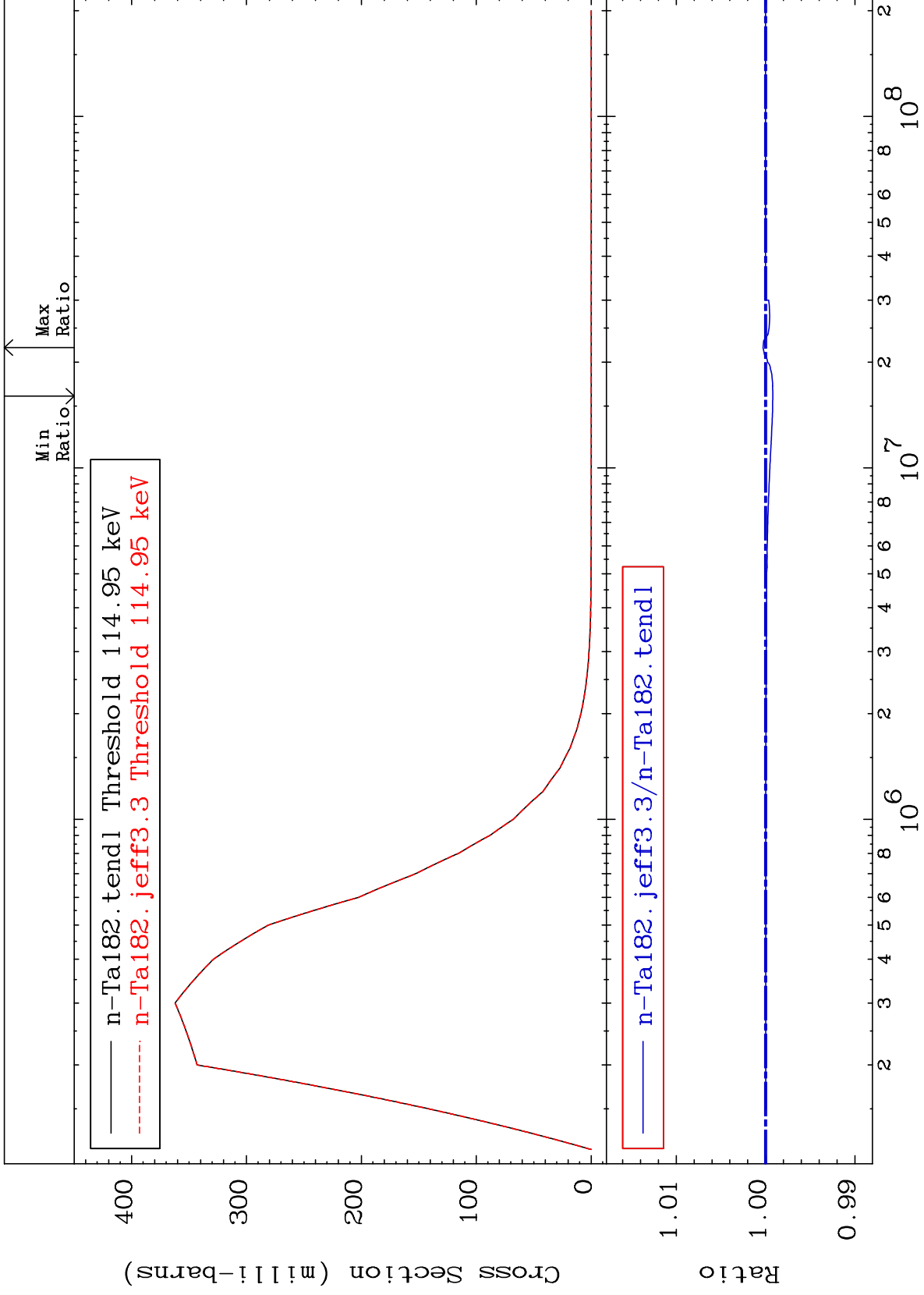
73-Ta-182
-0.081 To 0.027 %



MAT 7331

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

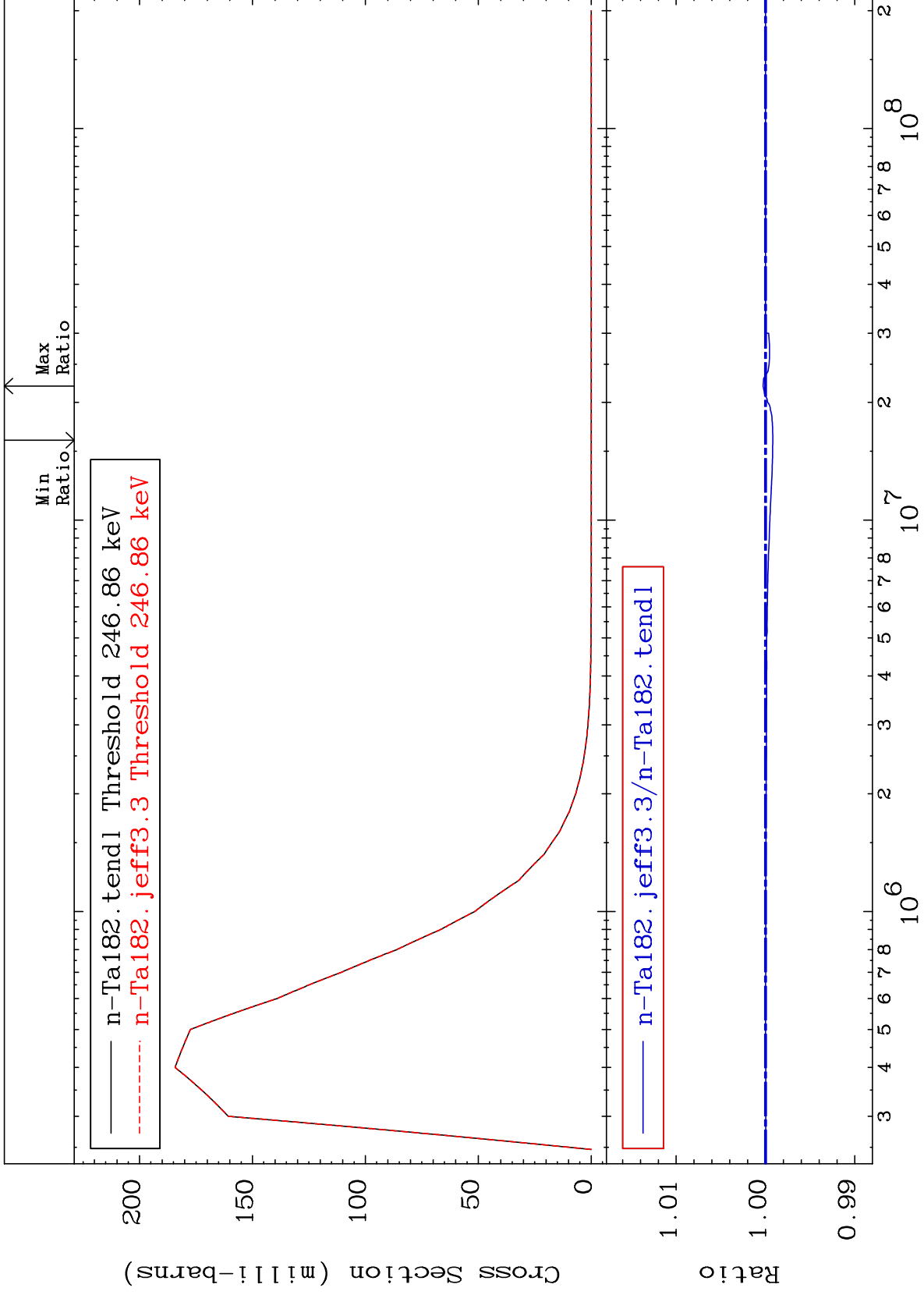
⁷³Ta-¹⁸²
-0.081 To 0.028 %



MAT 7331

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

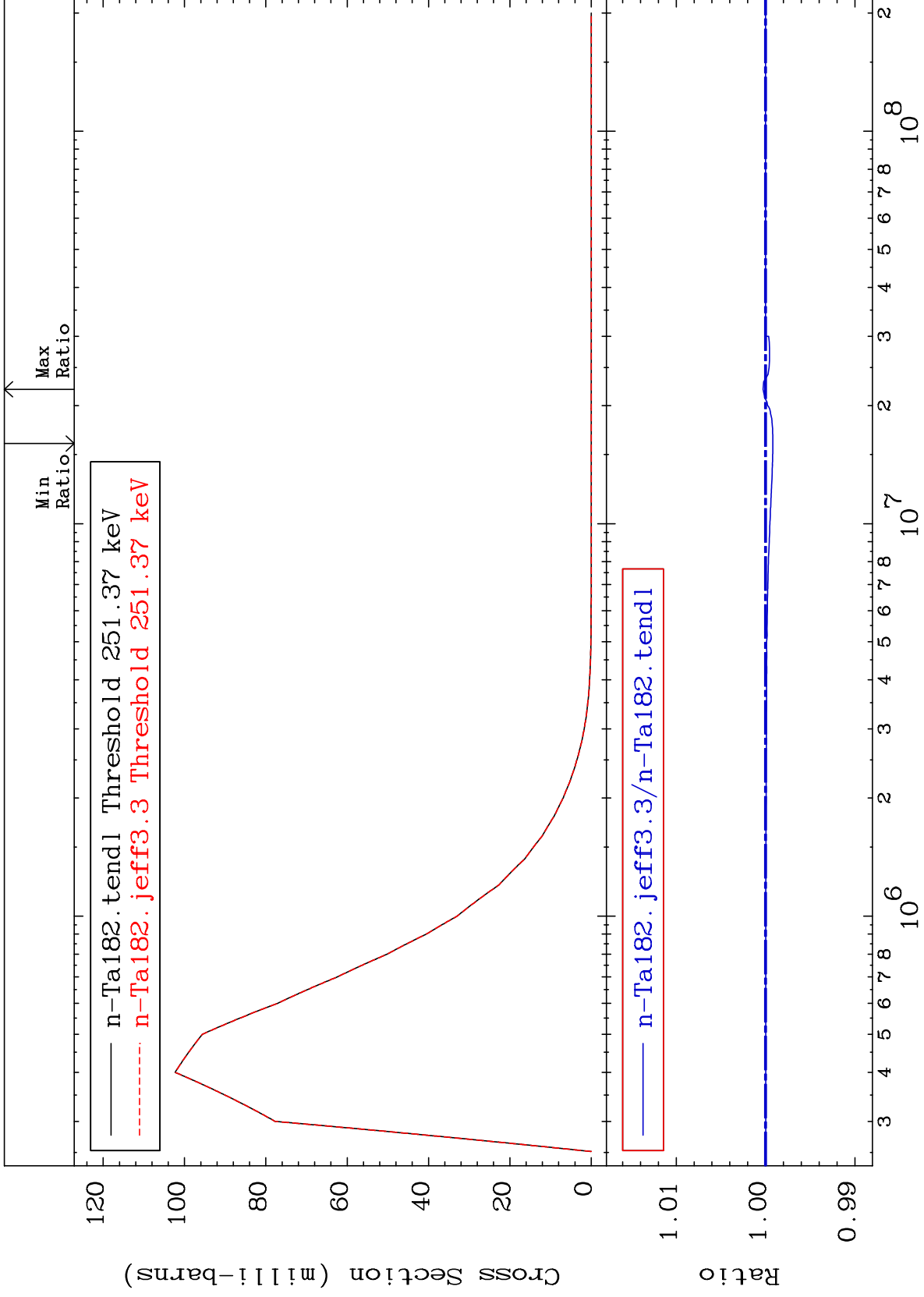
73-Ta-182
-0.082 To 0.027 %



MAT 7331

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

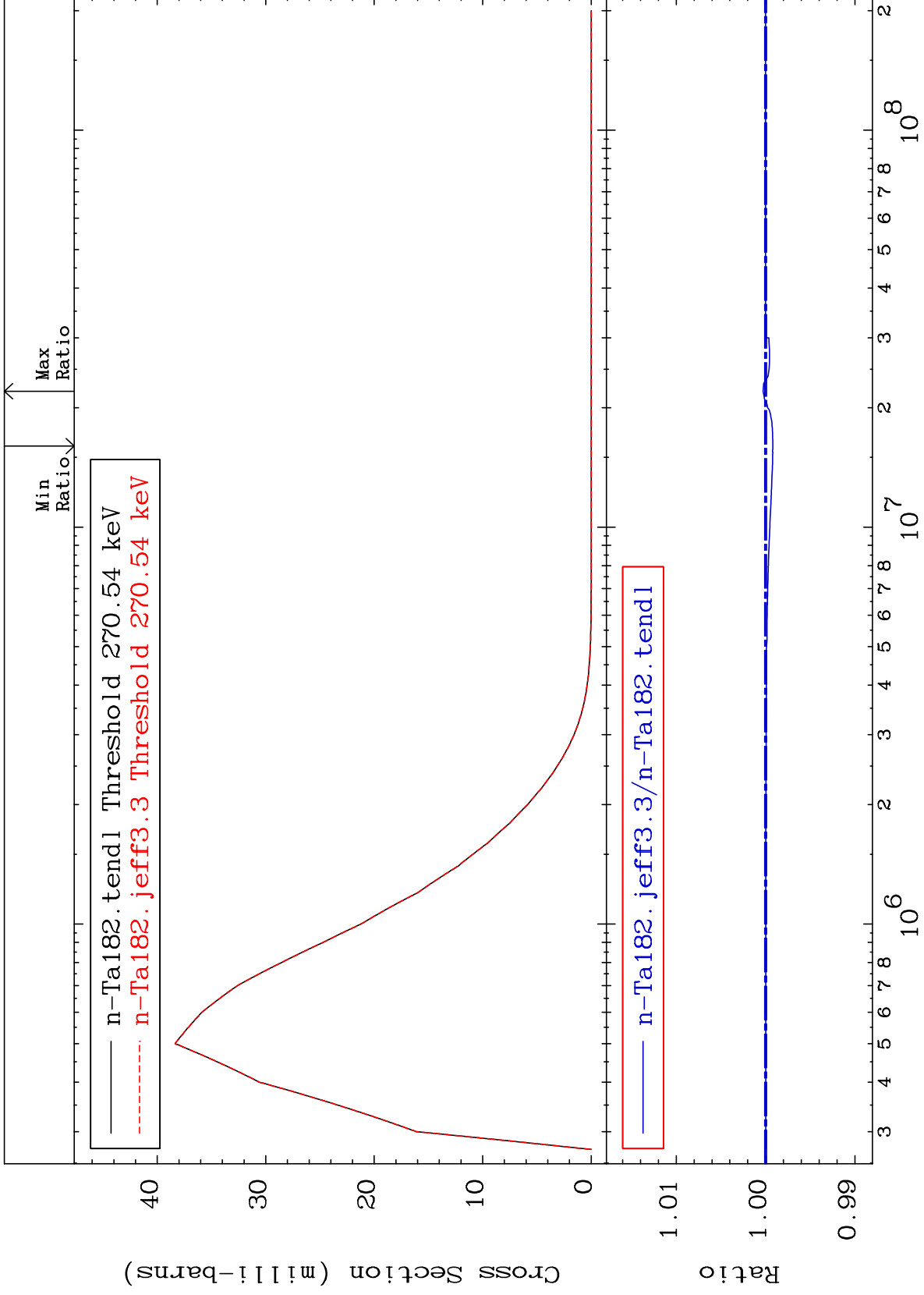
73-Ta-182
-0.081 To 0.028 %



MAT 7331

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

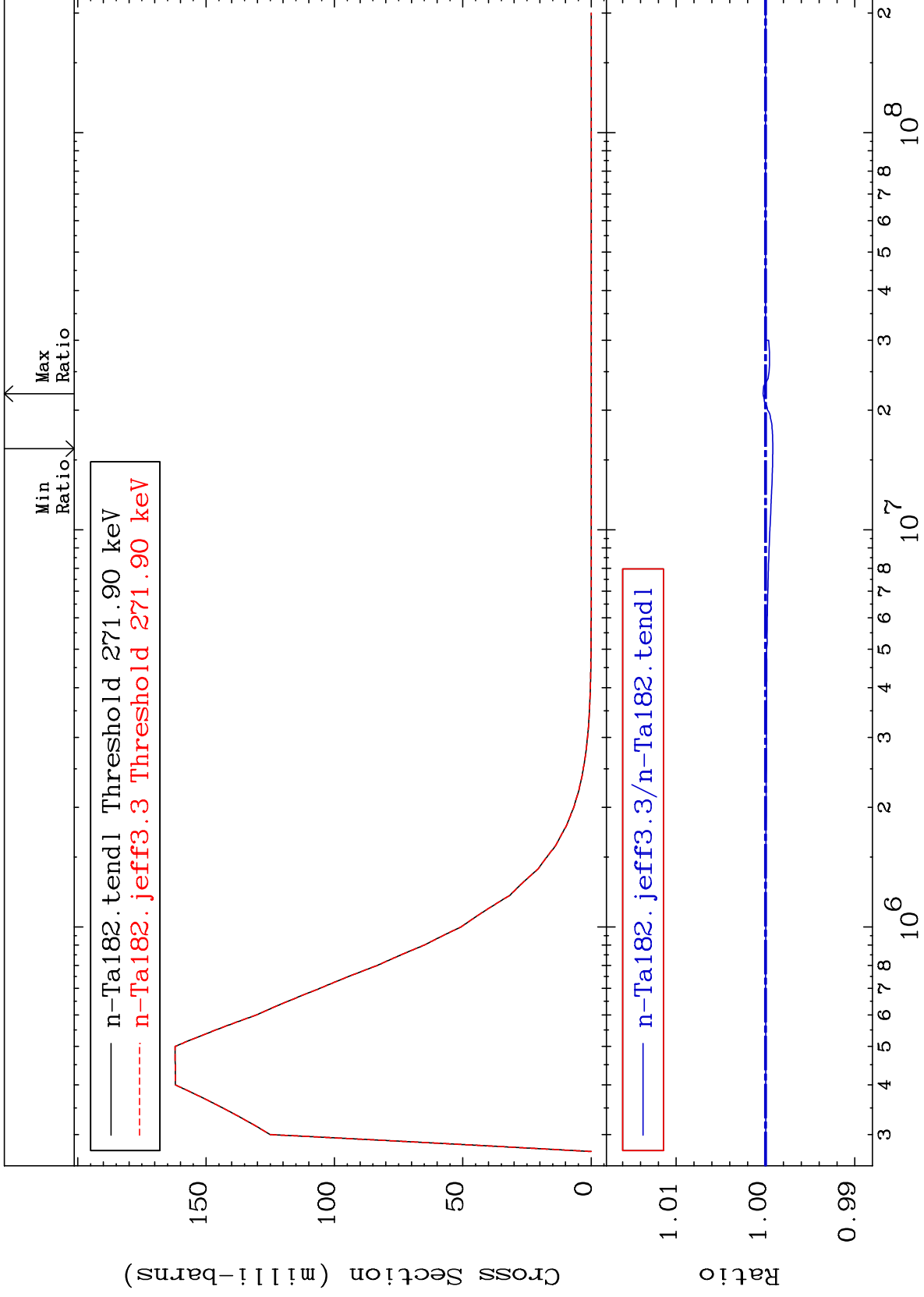
⁷³Ta-¹⁸²
-0.081 To 0.028 %



MAT 7331

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

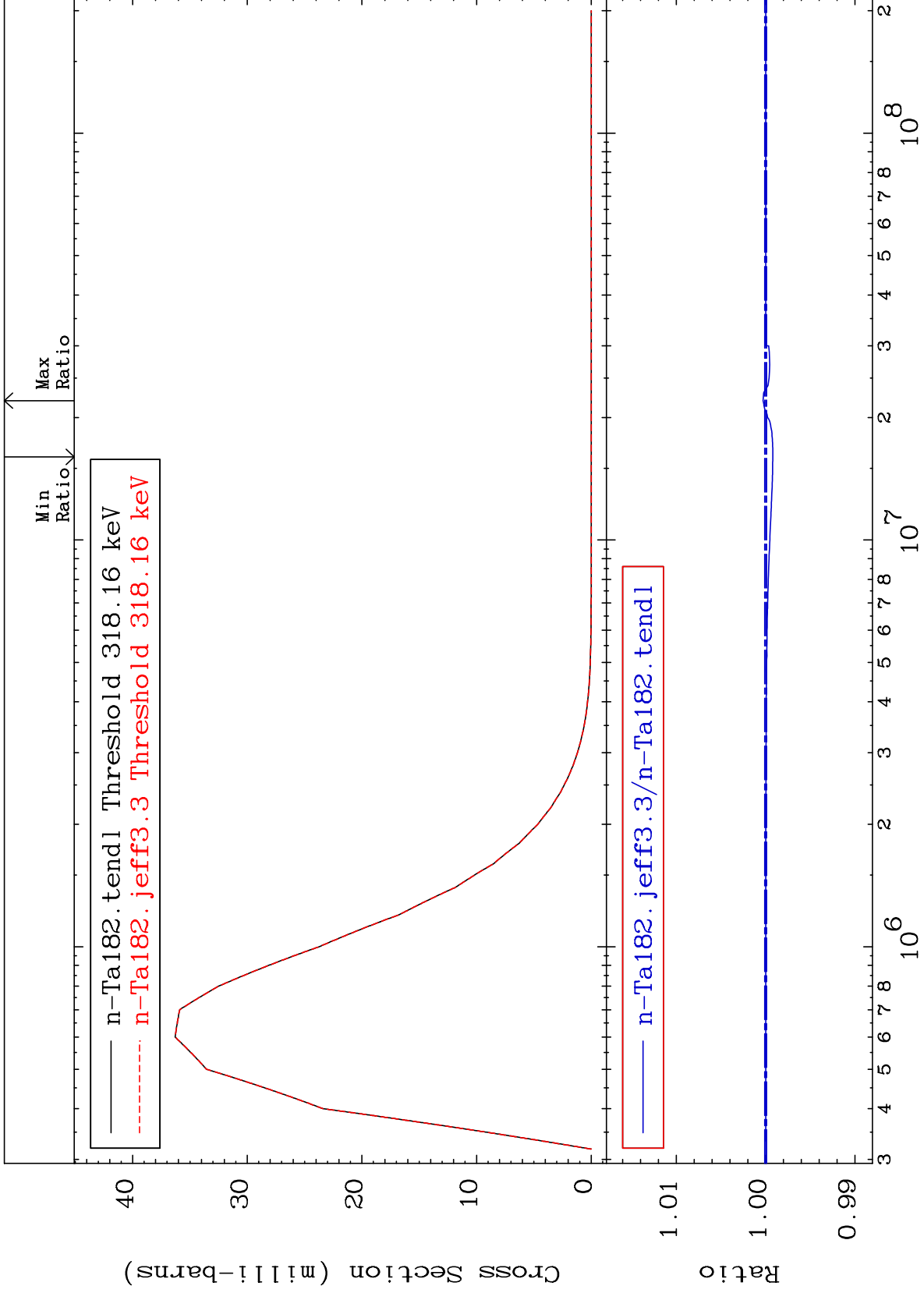
73-Ta-182
-0.082 To 0.027 %



MAT 7331

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

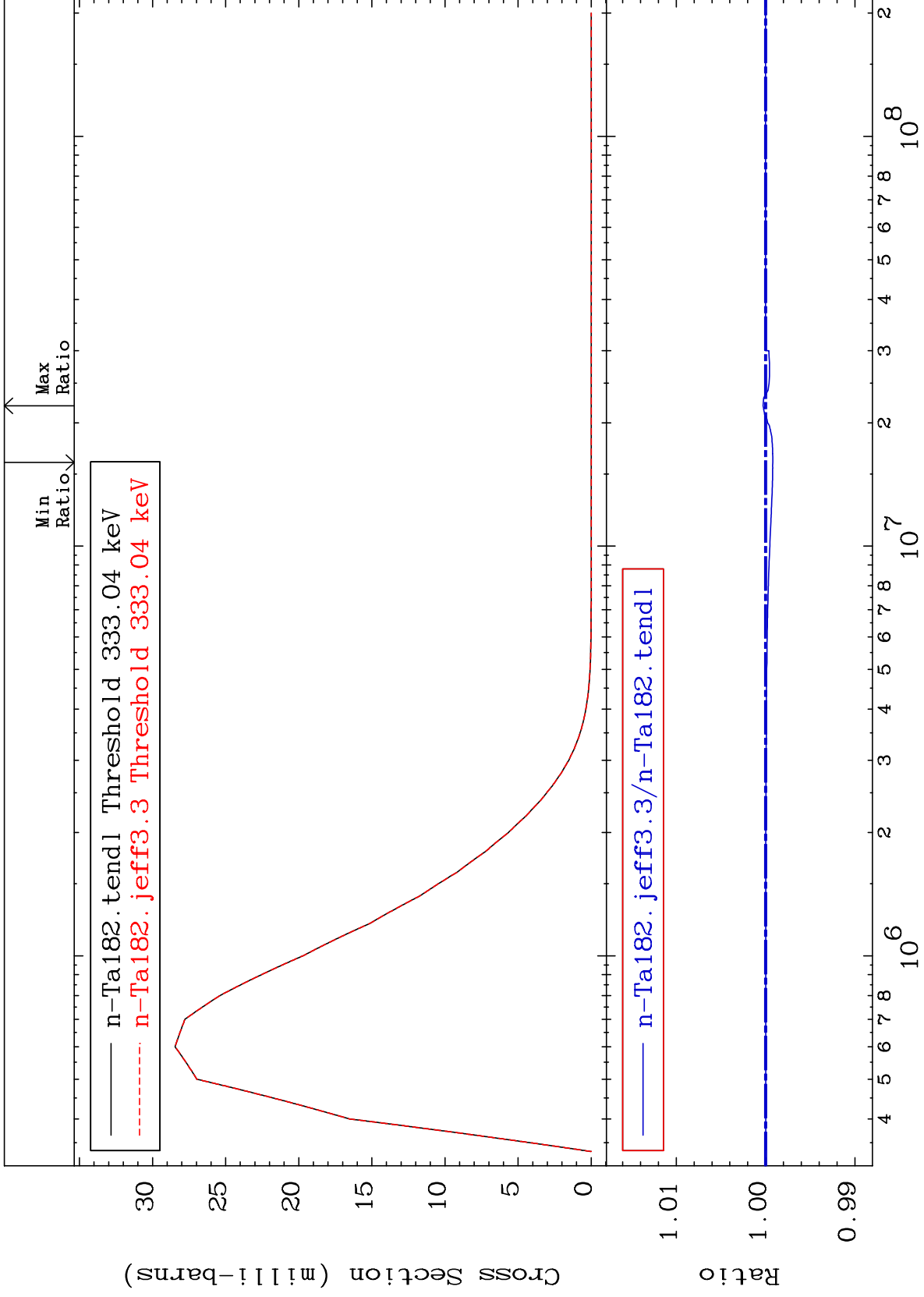
⁷³Ta-¹⁸²
-0.080 To 0.028 %



MAT 7331

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

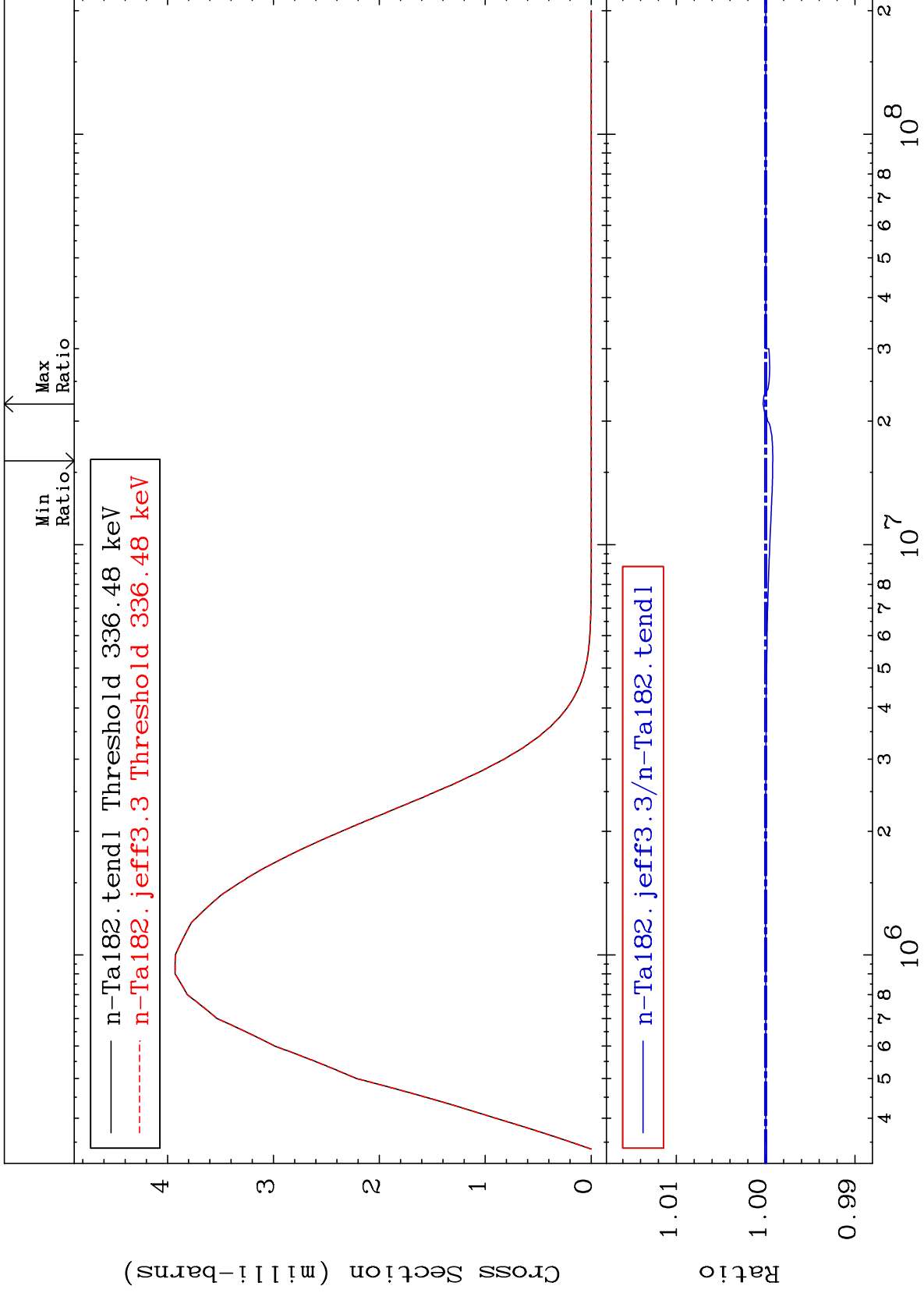
⁷³Ta-¹⁸²
-0.081 To 0.028 %



MAT 7331

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

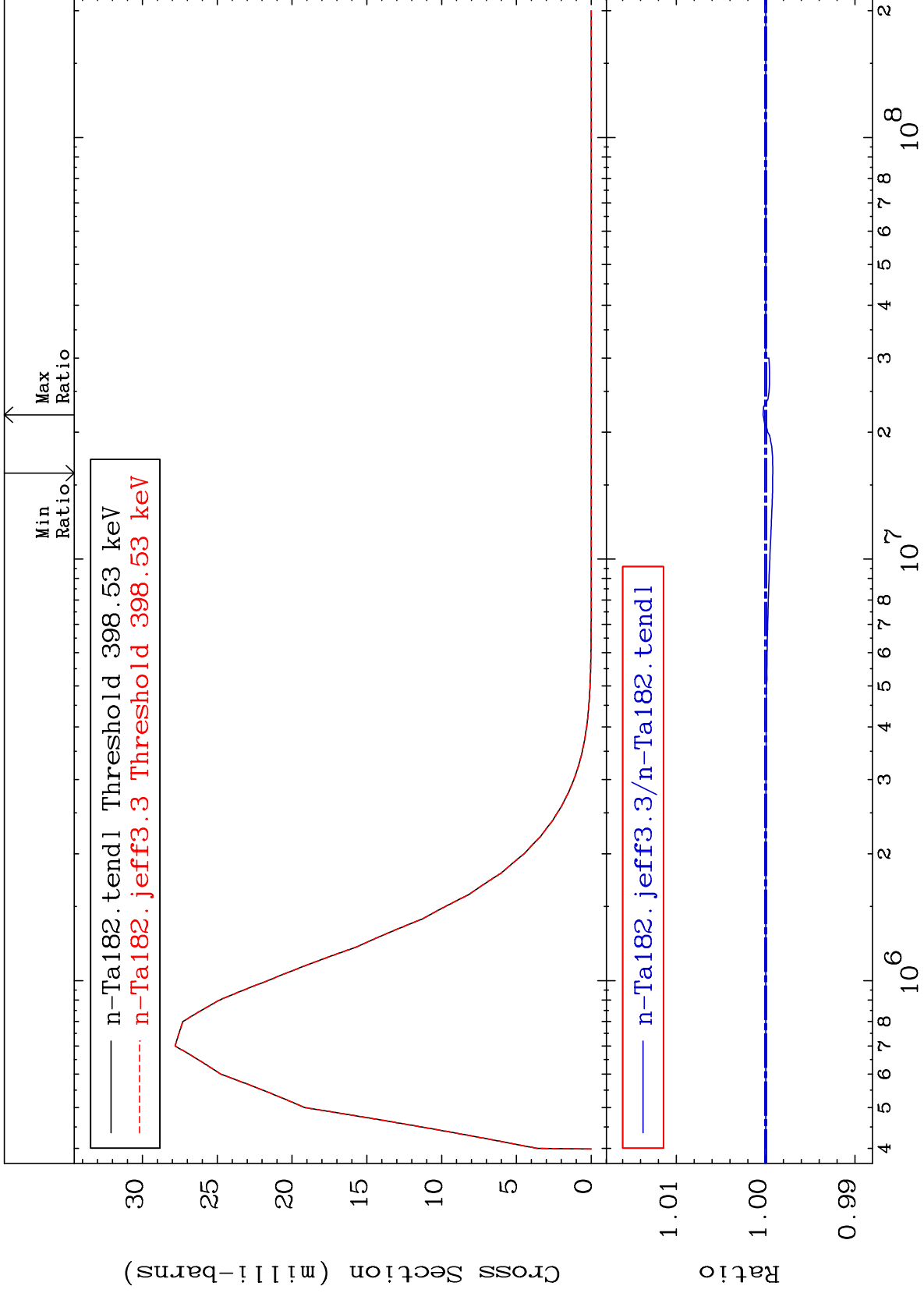
⁷³Ta-¹⁸²
-0.079 To 0.029 %



MAT 7331

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

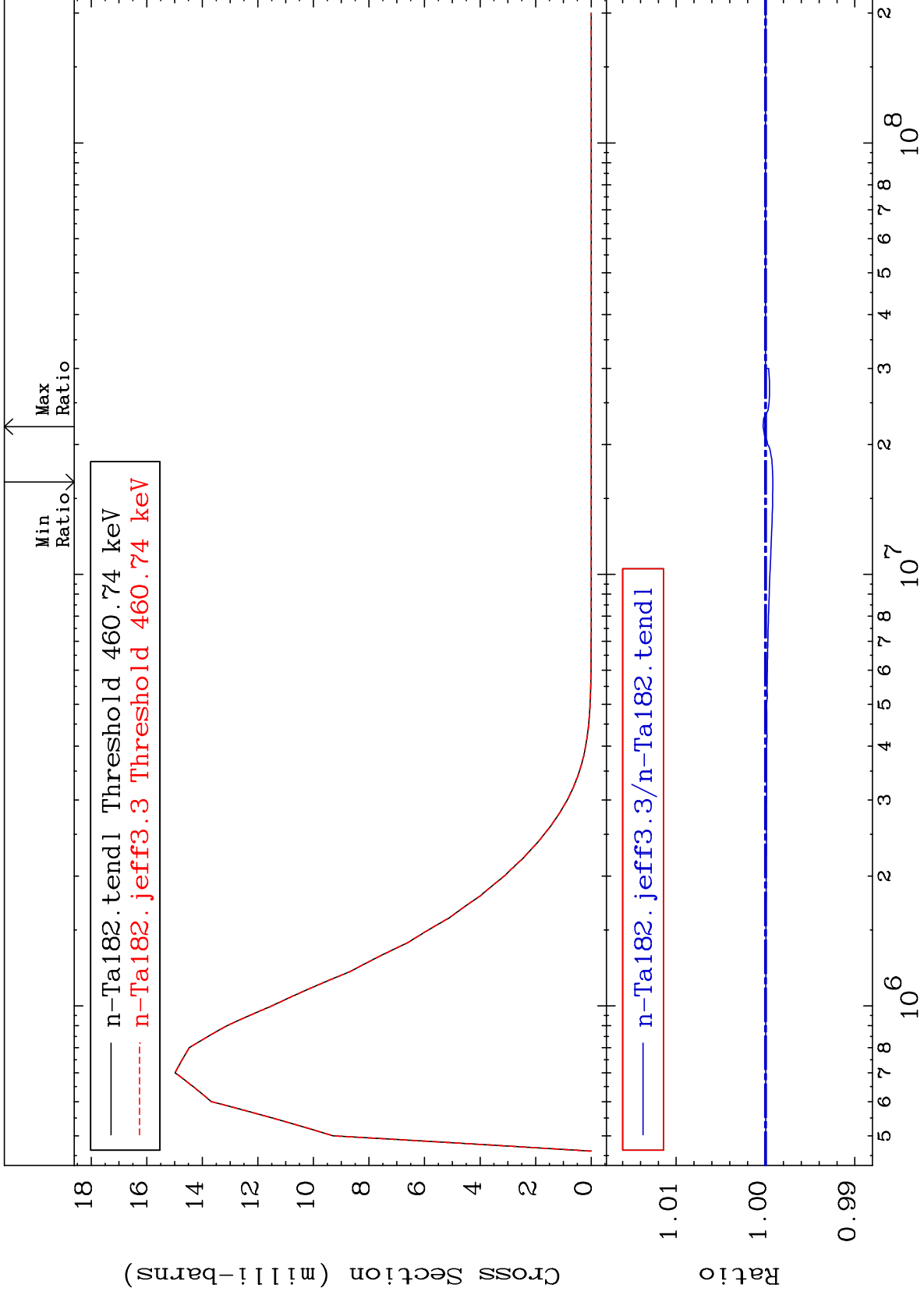
⁷³Ta-¹⁸²
-0.080 To 0.028 %



MAT 7331

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

73-Ta-182
-0.082 To 0.027 %



30

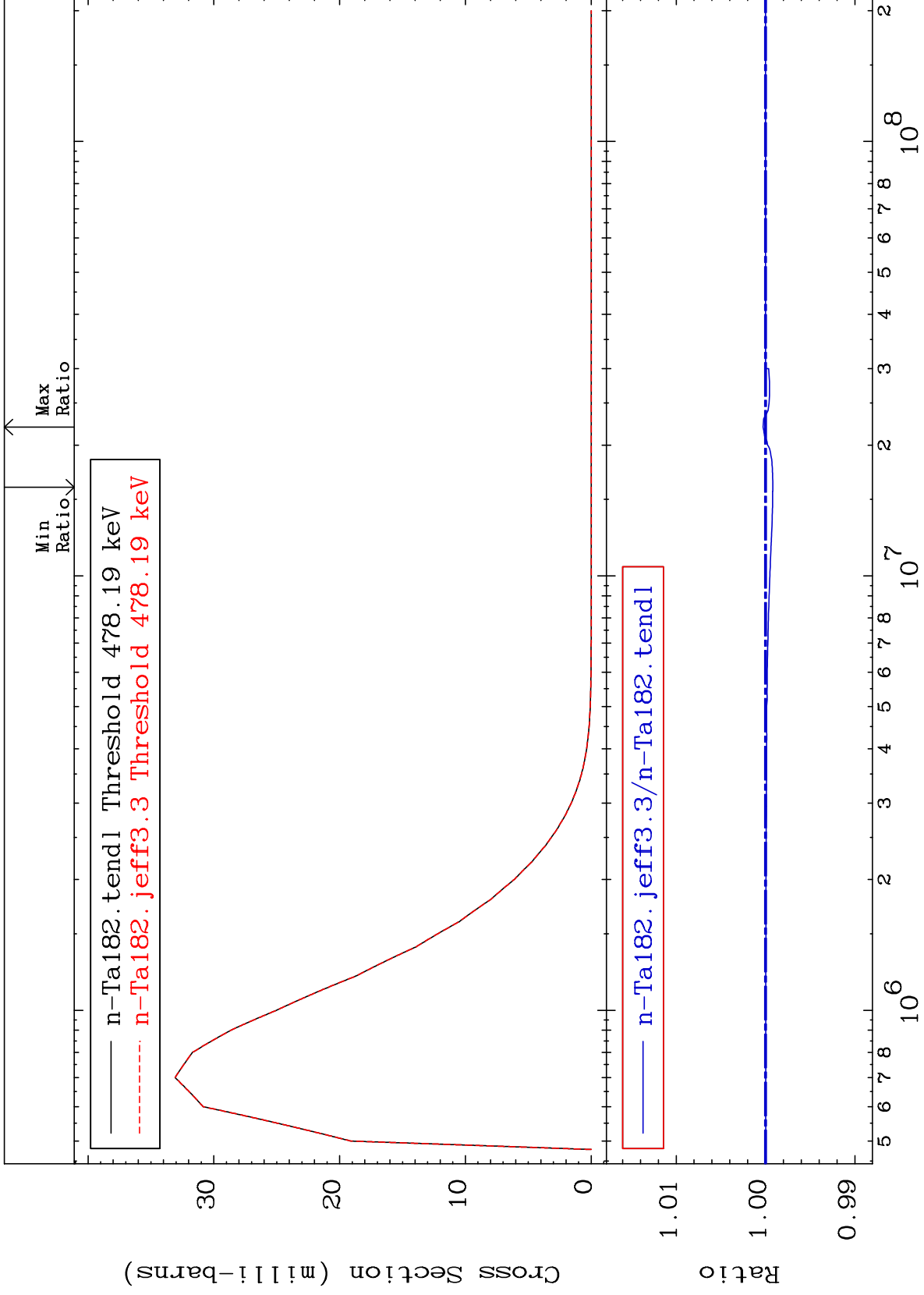
Incident Energy (eV)

73-Ta-182

MAT 7331

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

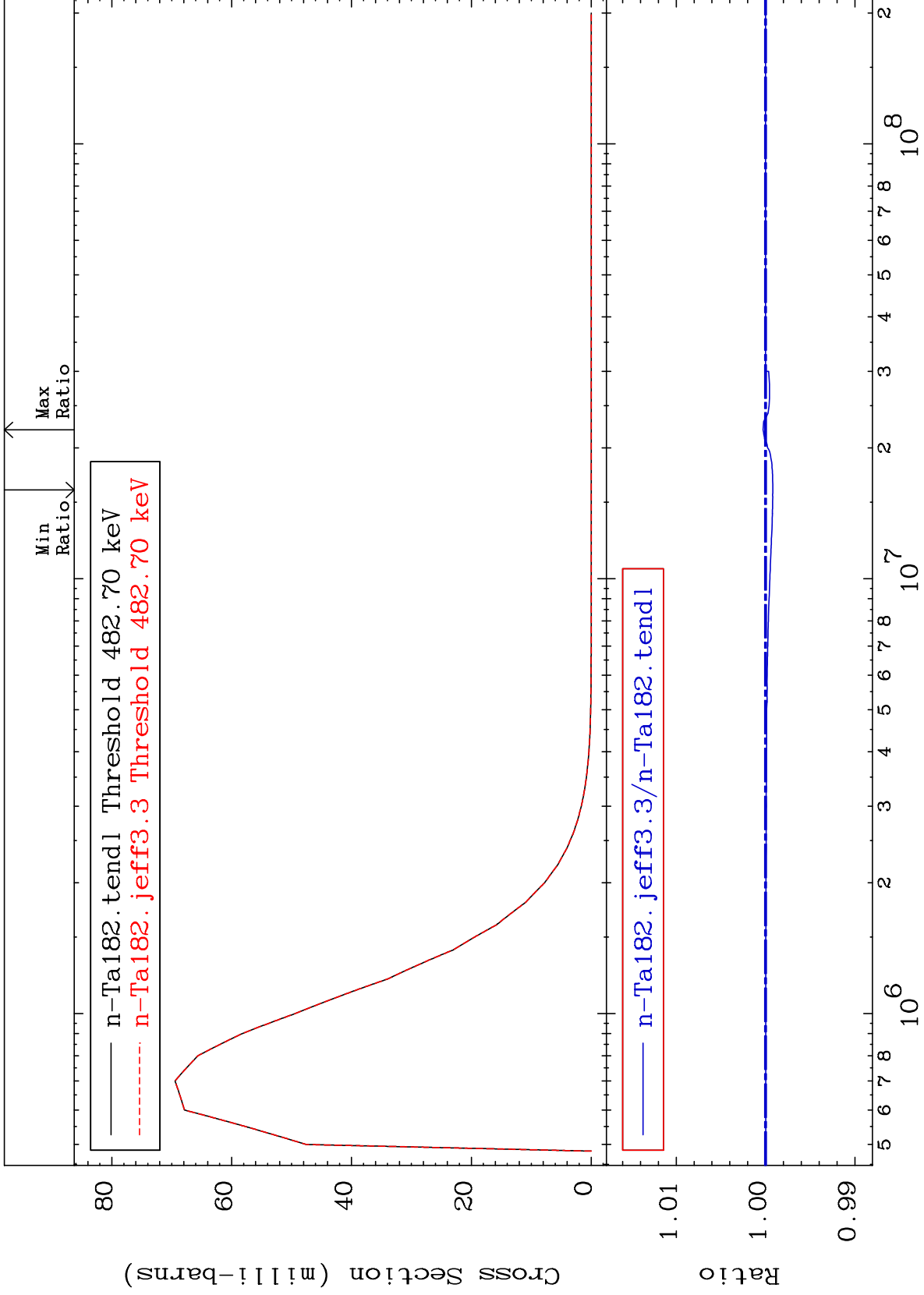
⁷³Ta-¹⁸²Ta
-0.081 To 0.027 %



MAT 7331

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

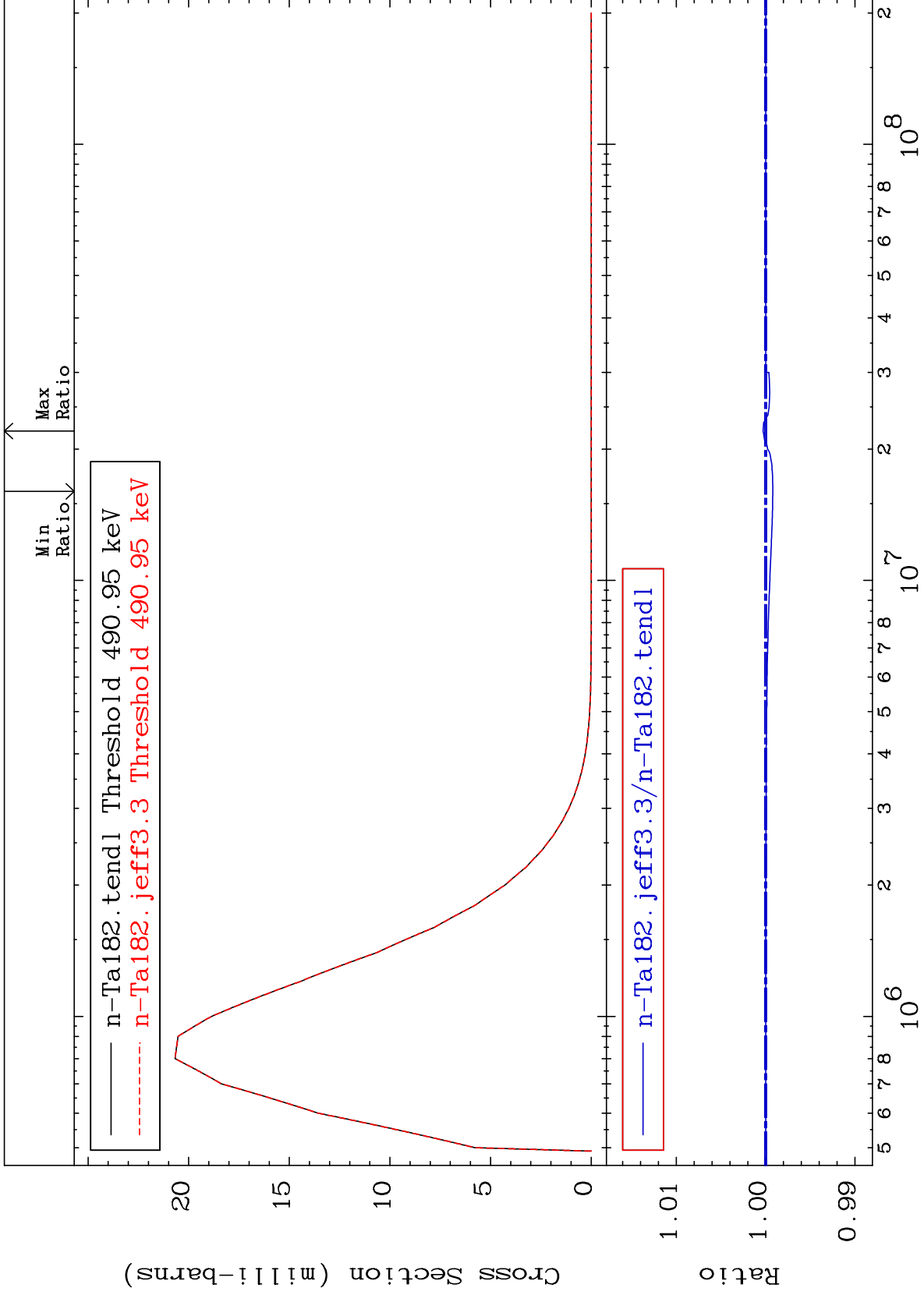
⁷³Ta-¹⁸²
-0.081 To 0.028 %



MAT 7331

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

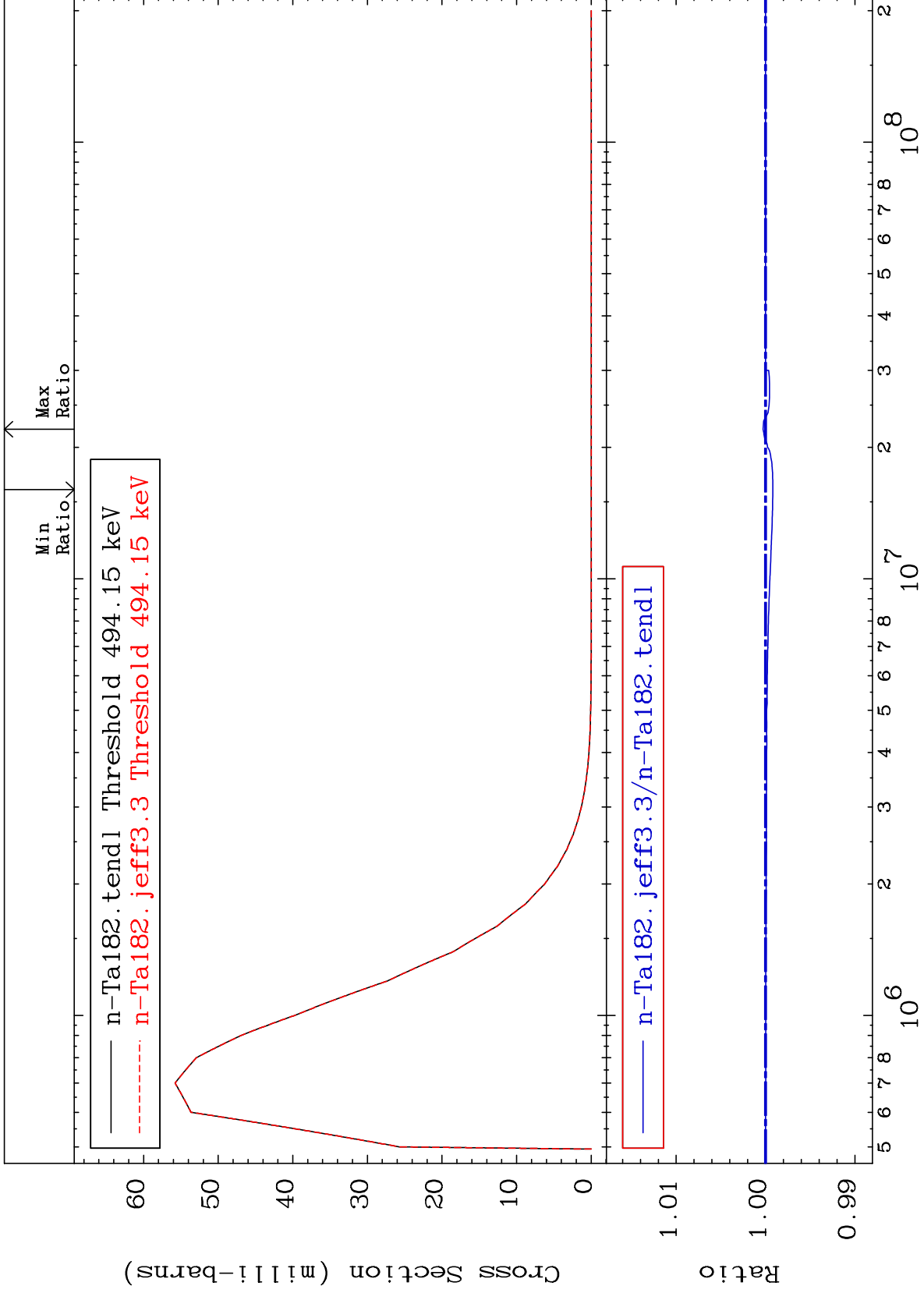
73-Ta-182
-0.080 To 0.029 %



MAT 7331

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

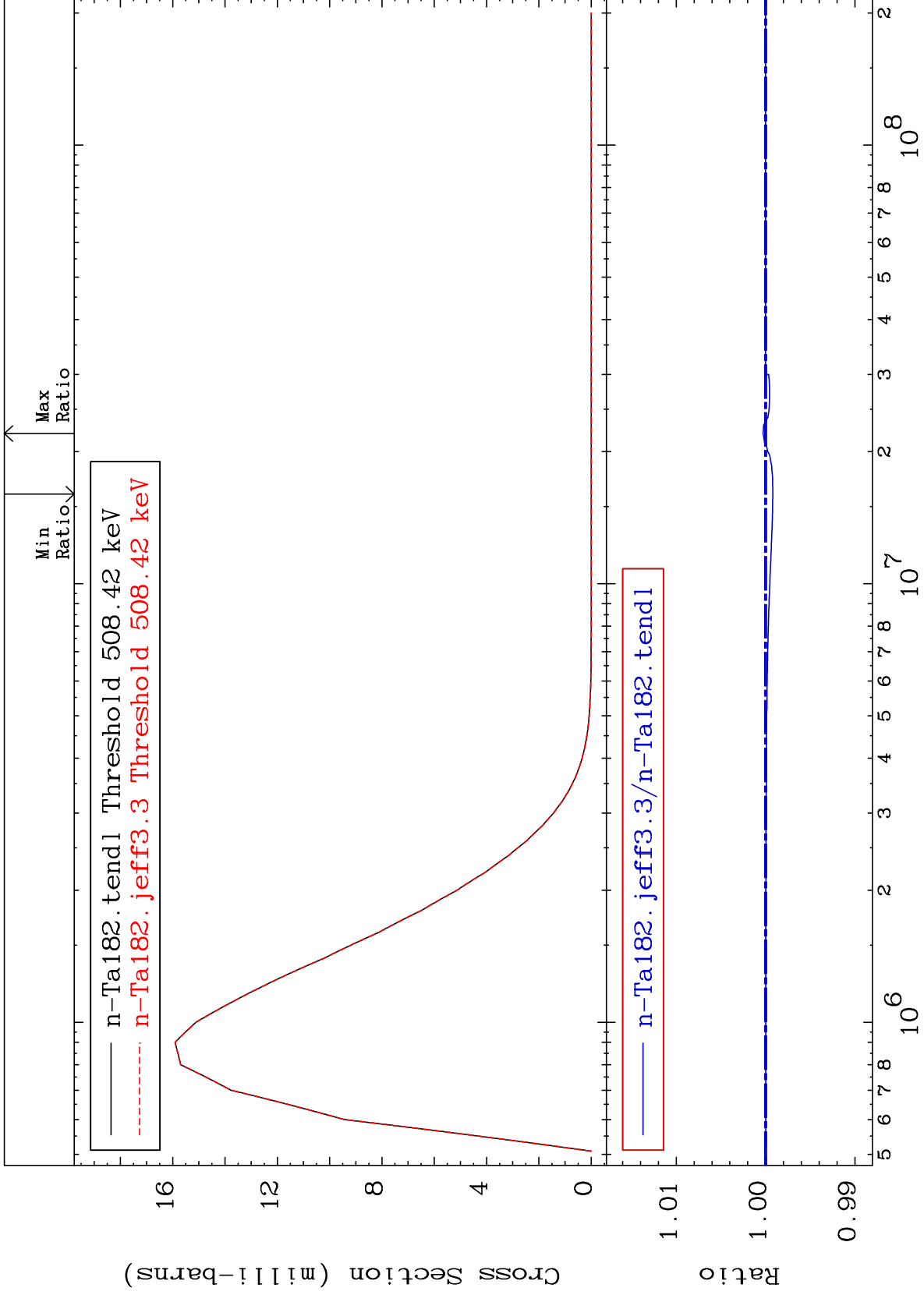
73-Ta-182
-0.081 To 0.027 %



MAT 7331

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

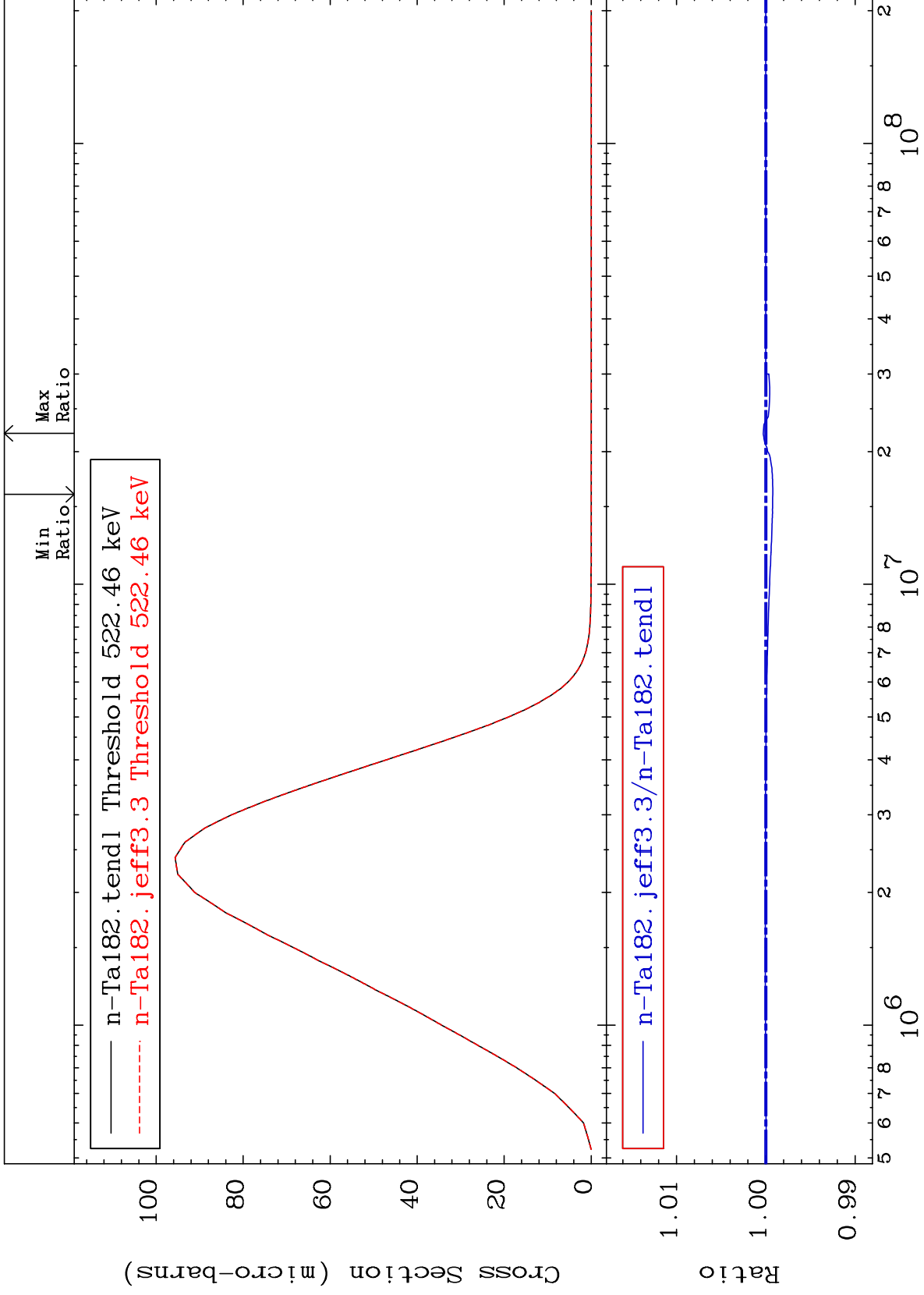
73-Ta-182
-0.081 To 0.028 %



MAT 7331

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

73-Ta-182
-0.077 To 0.030 %



36

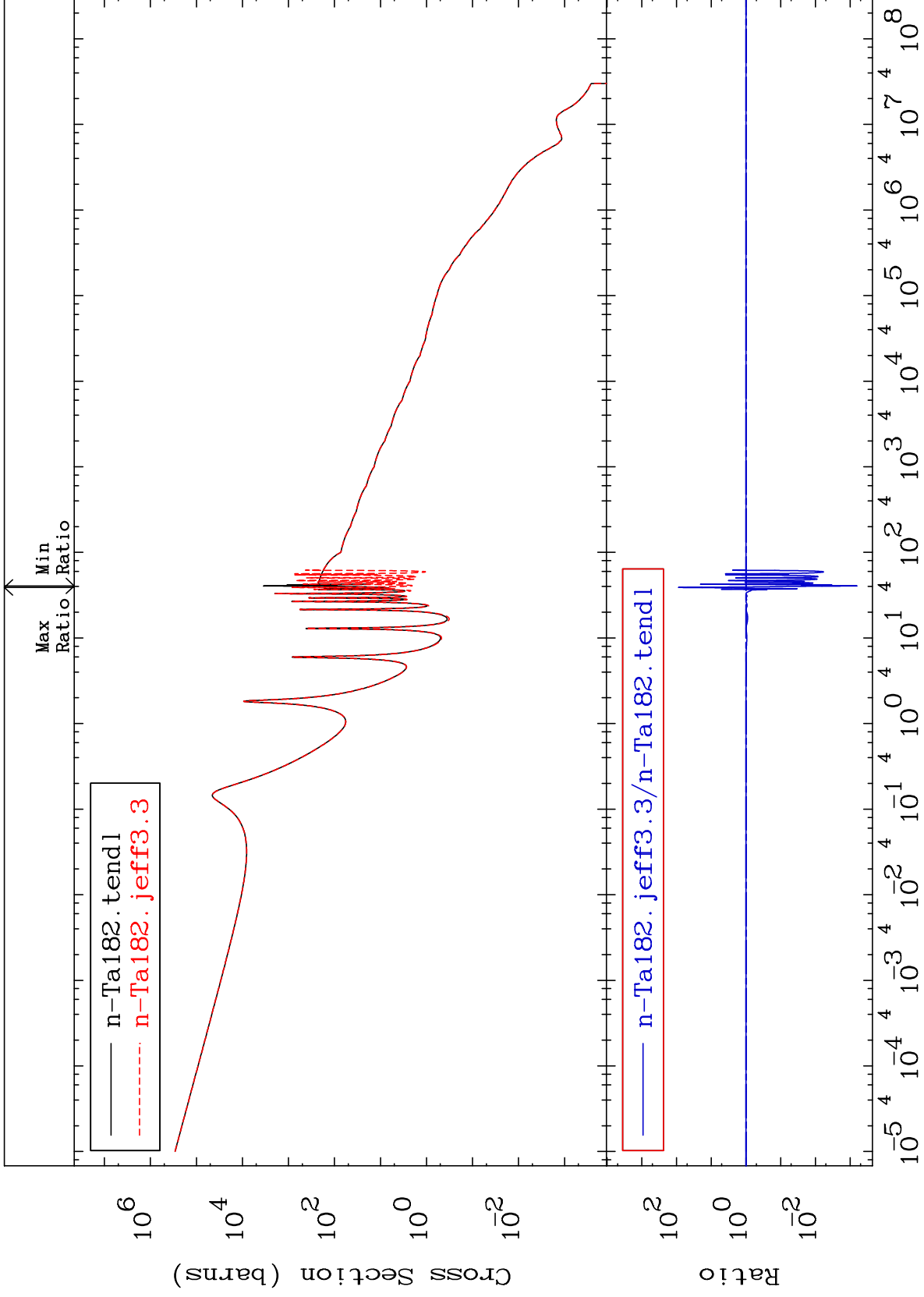
Incident Energy (eV)

73-Ta-182

MAT 7331

(n, γ)
Cross Section

73-Ta-182
-99.94 To 8621. %



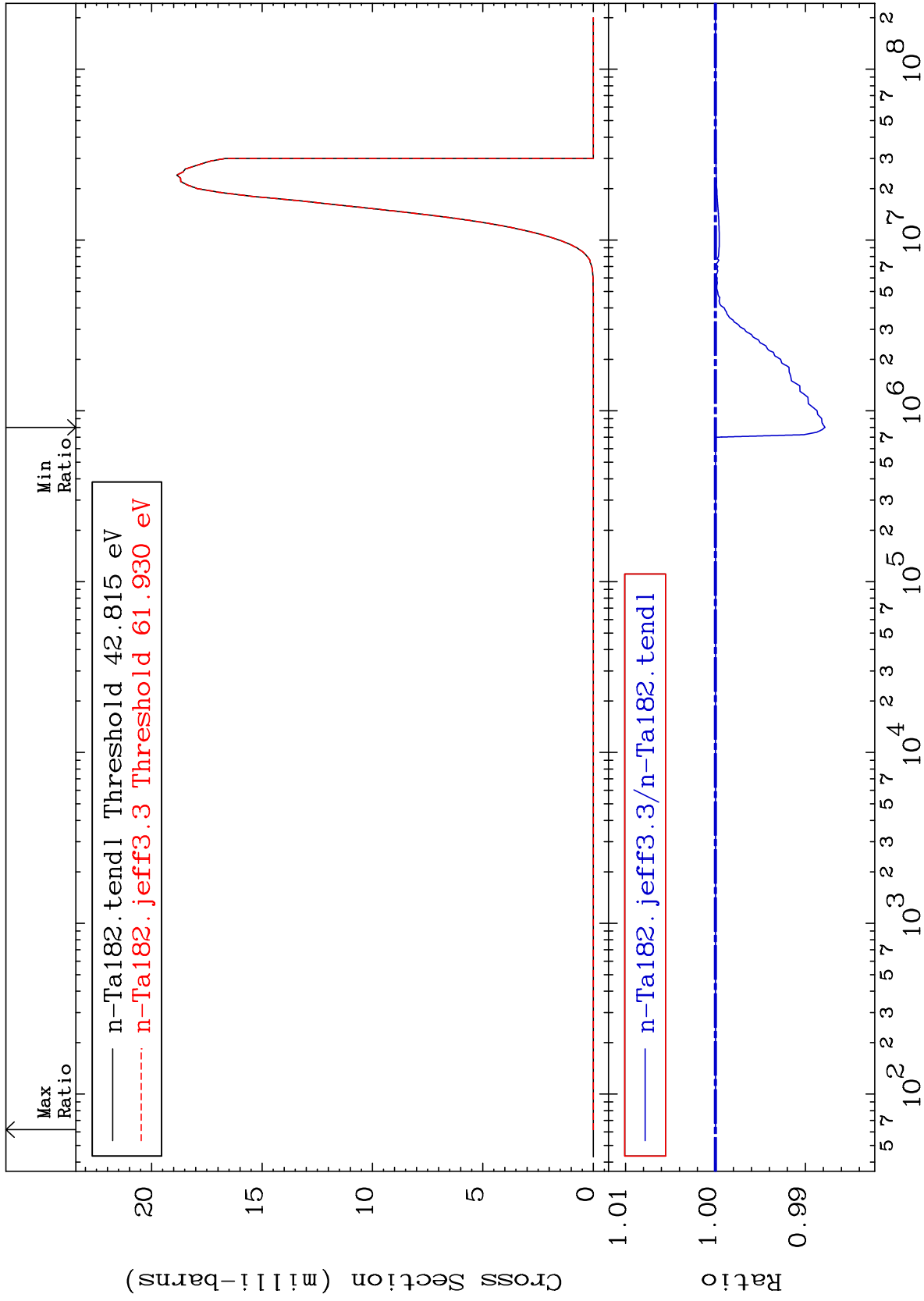
37

Incident Energy (eV)

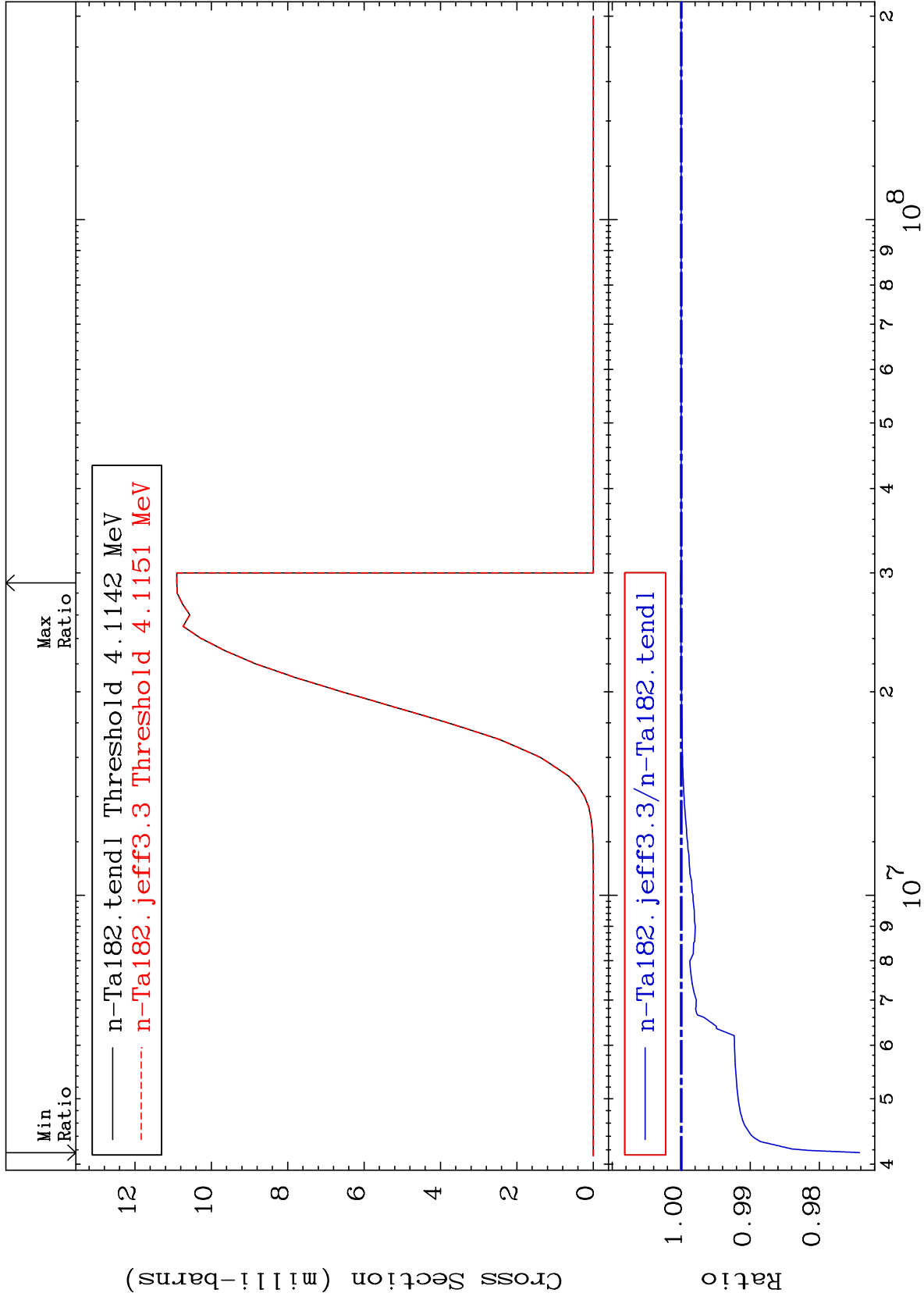
73-Ta-182

Cross Section

-1.217 To 0.000 %

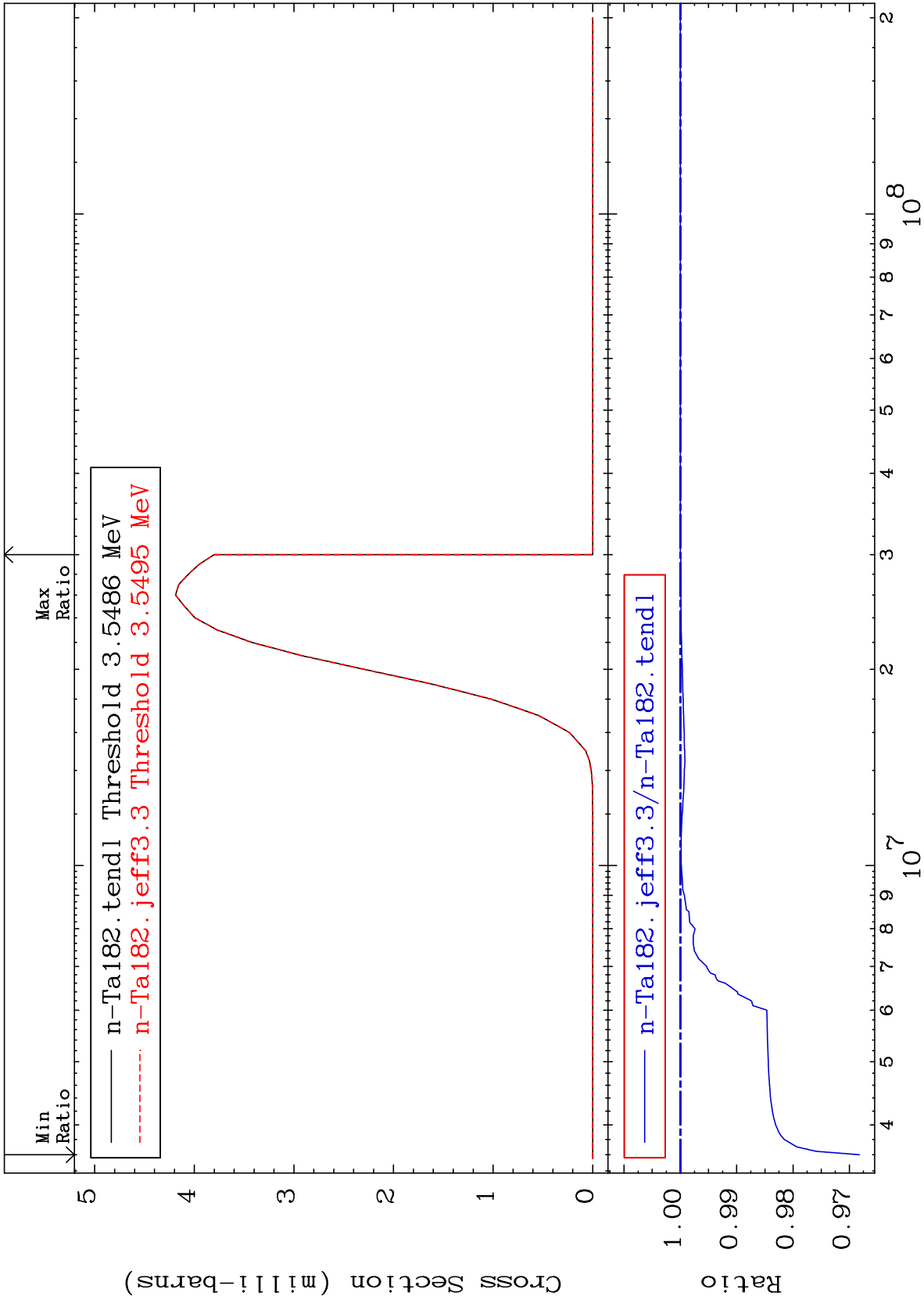


(n, d)
Cross Section
-2.583 To 0.006 %



MAT 7331

(n, t)
Cross Section
73-Ta-182
-3.178 To 0.000 %



40

Incident Energy (eV)

73-Ta-182

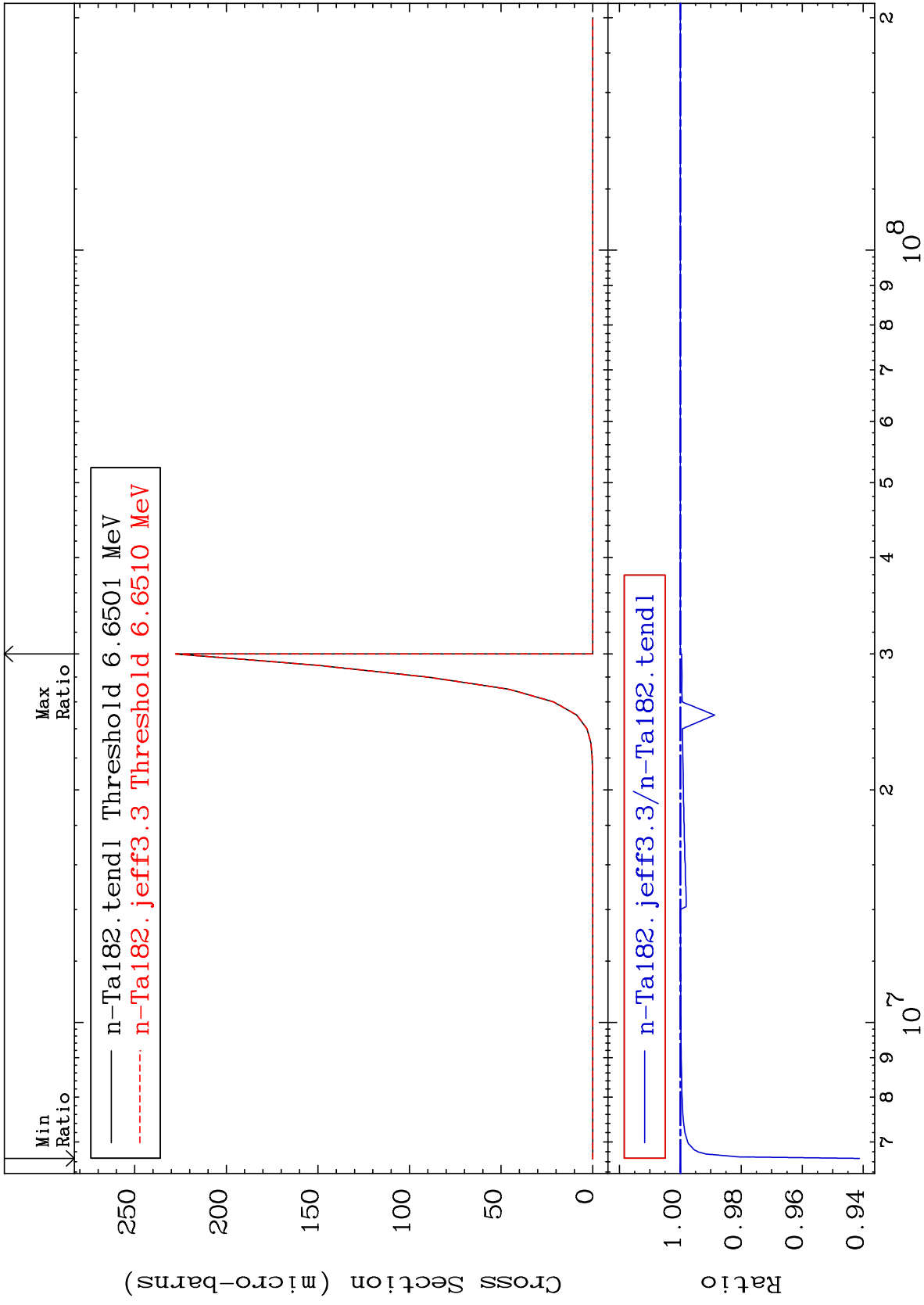
MAT 7331

(n, He-3)

⁷³Ta-¹⁸²

Cross Section

-5.879 To 0.000 %



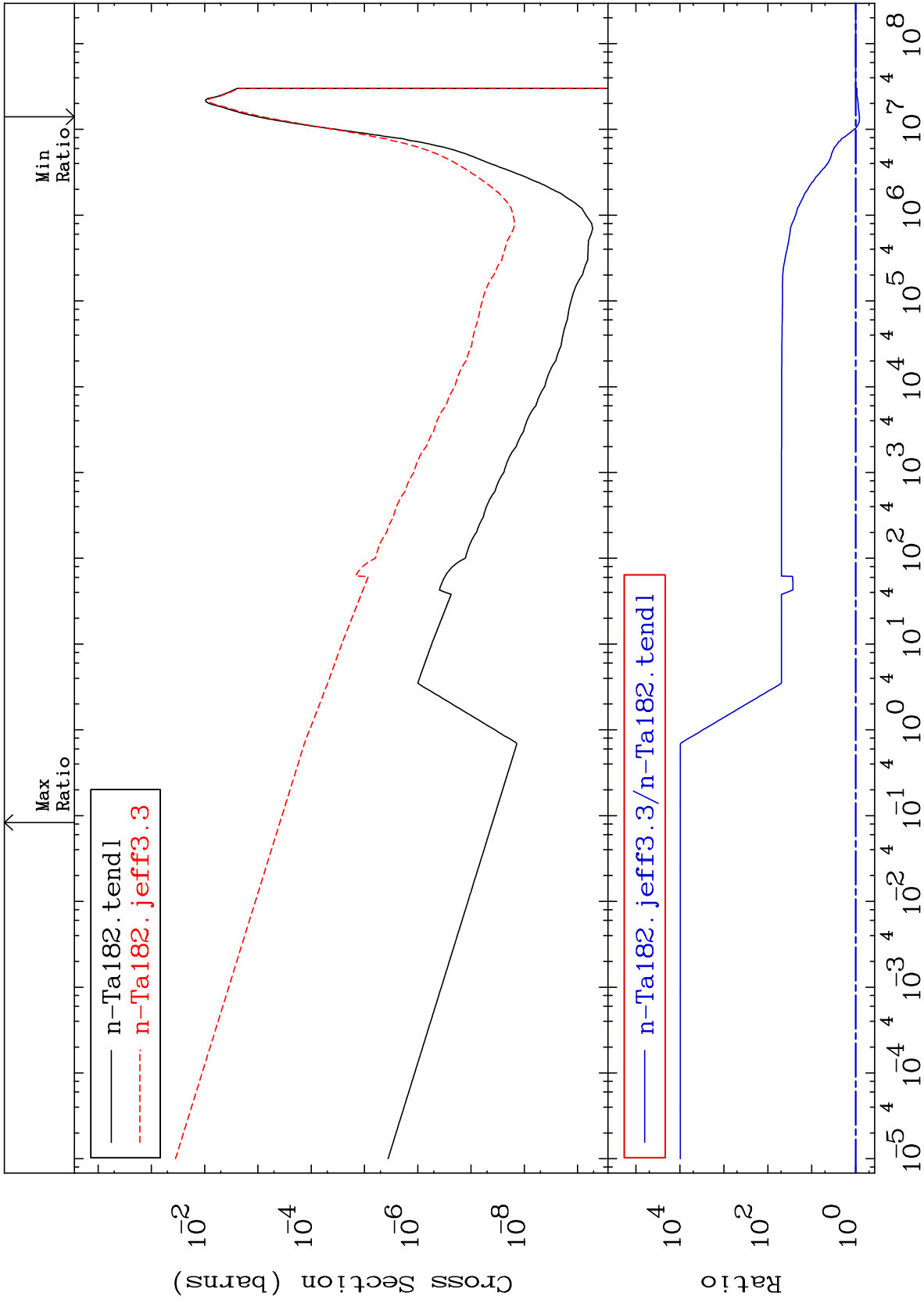
MAT 7331

(n, α)

⁷³Ta-182

Cross Section

-17.70 To 9999. %



42

Incident Energy (eV)

⁷³Ta-182

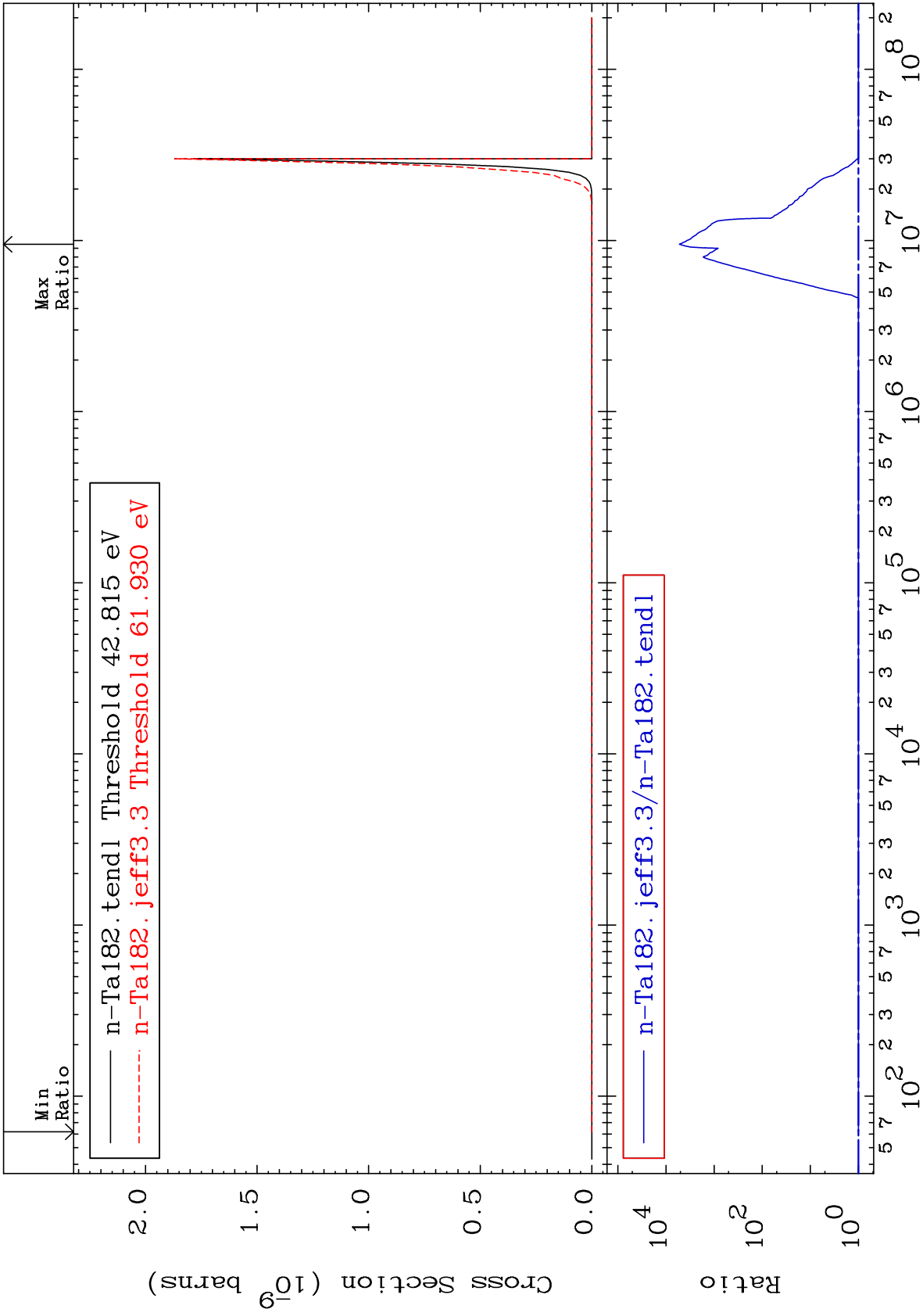
MAT 7331

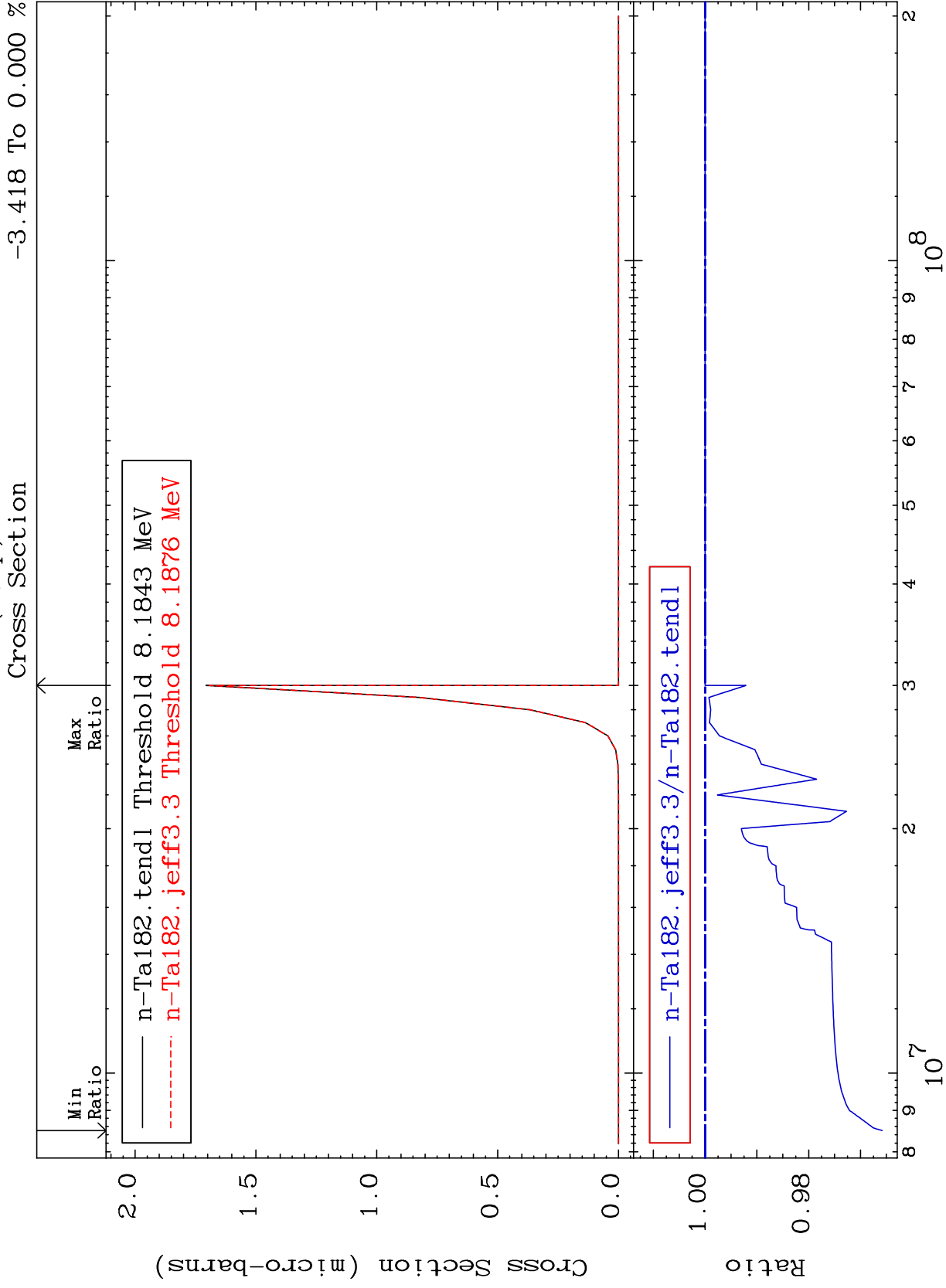
(n,2α)

73-Ta-182

Cross Section

0.000 To 9999. %





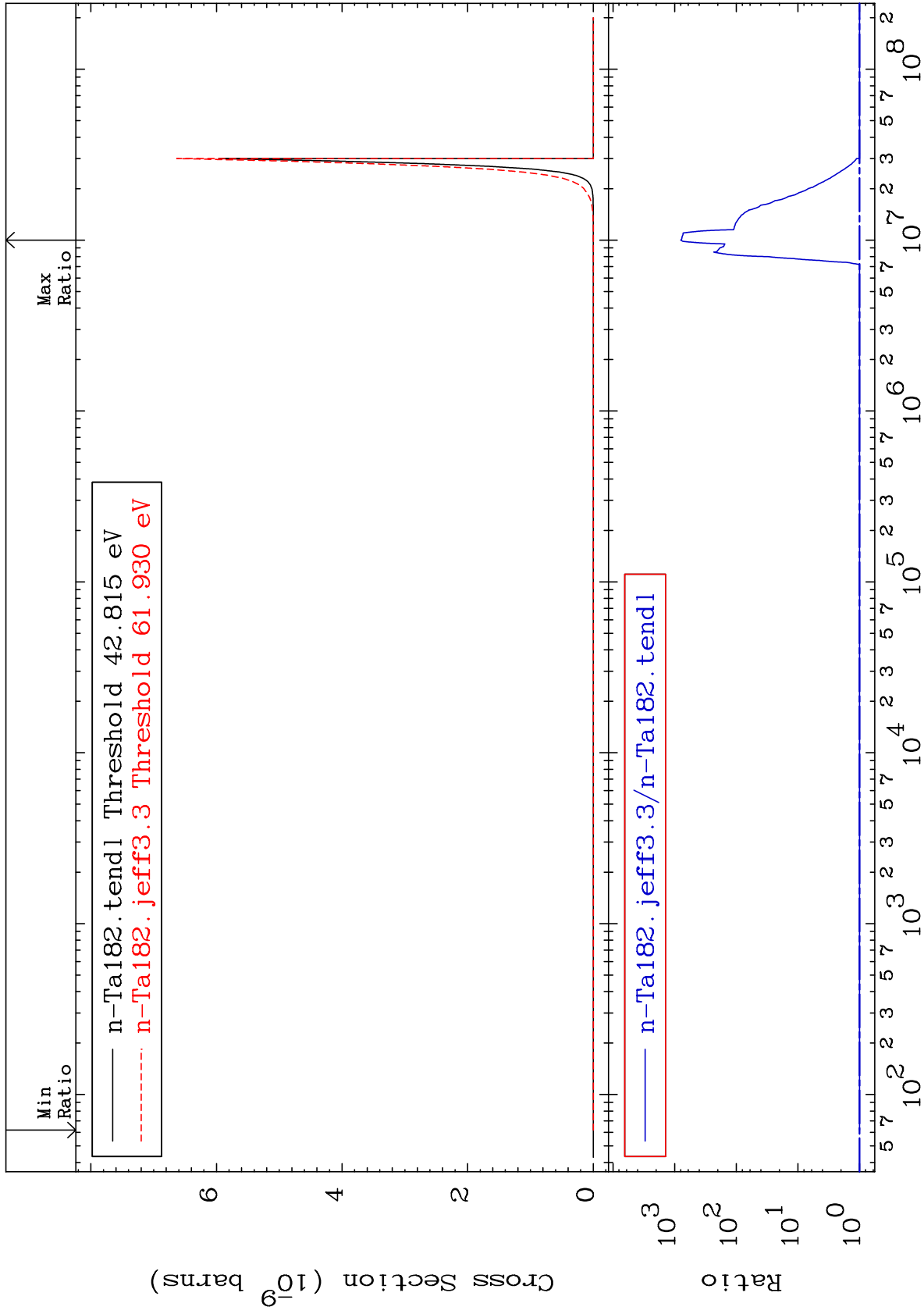
MAT 7331

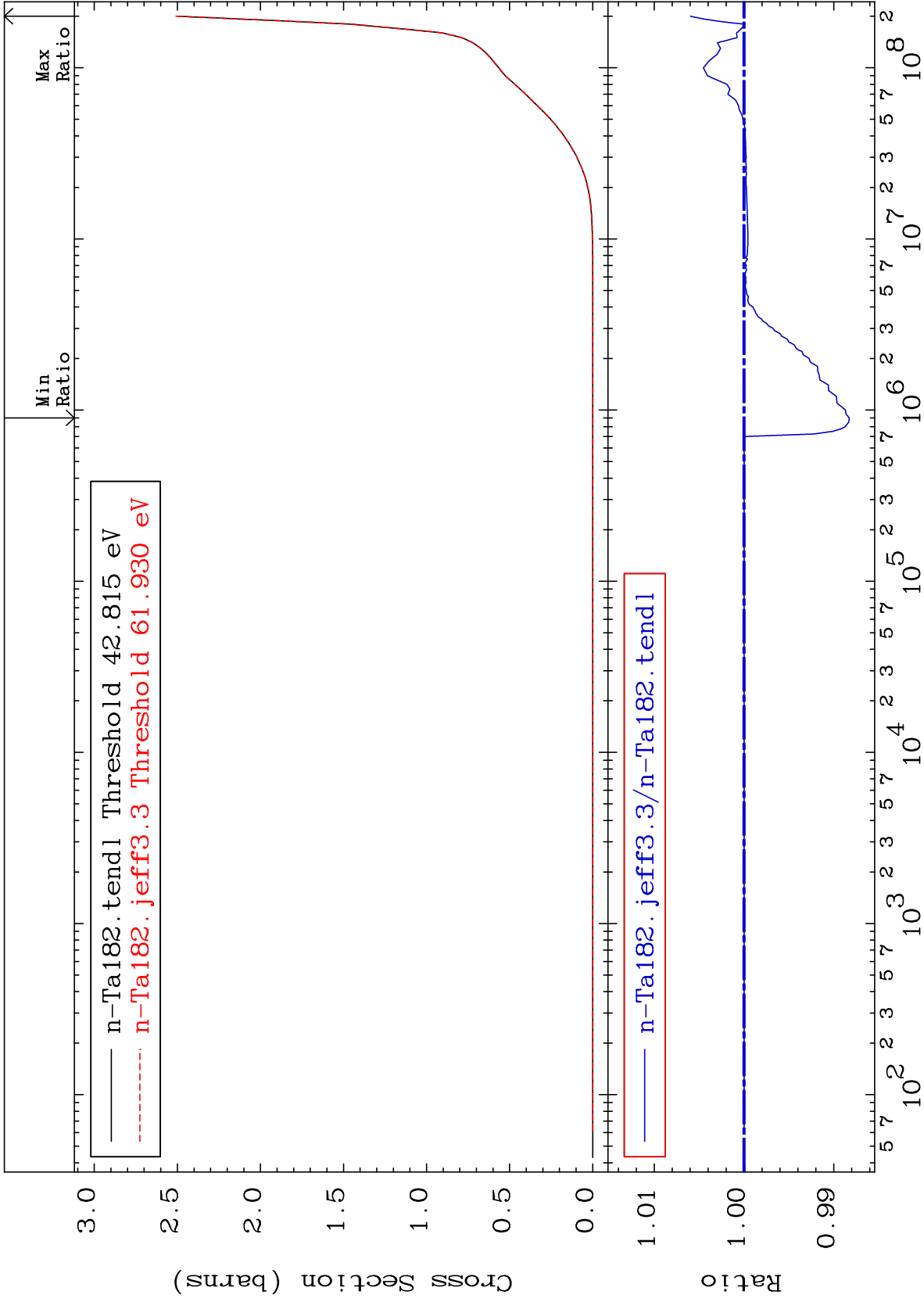
(n,p) α

Cross Section

73-Ta-182

To 9999. %

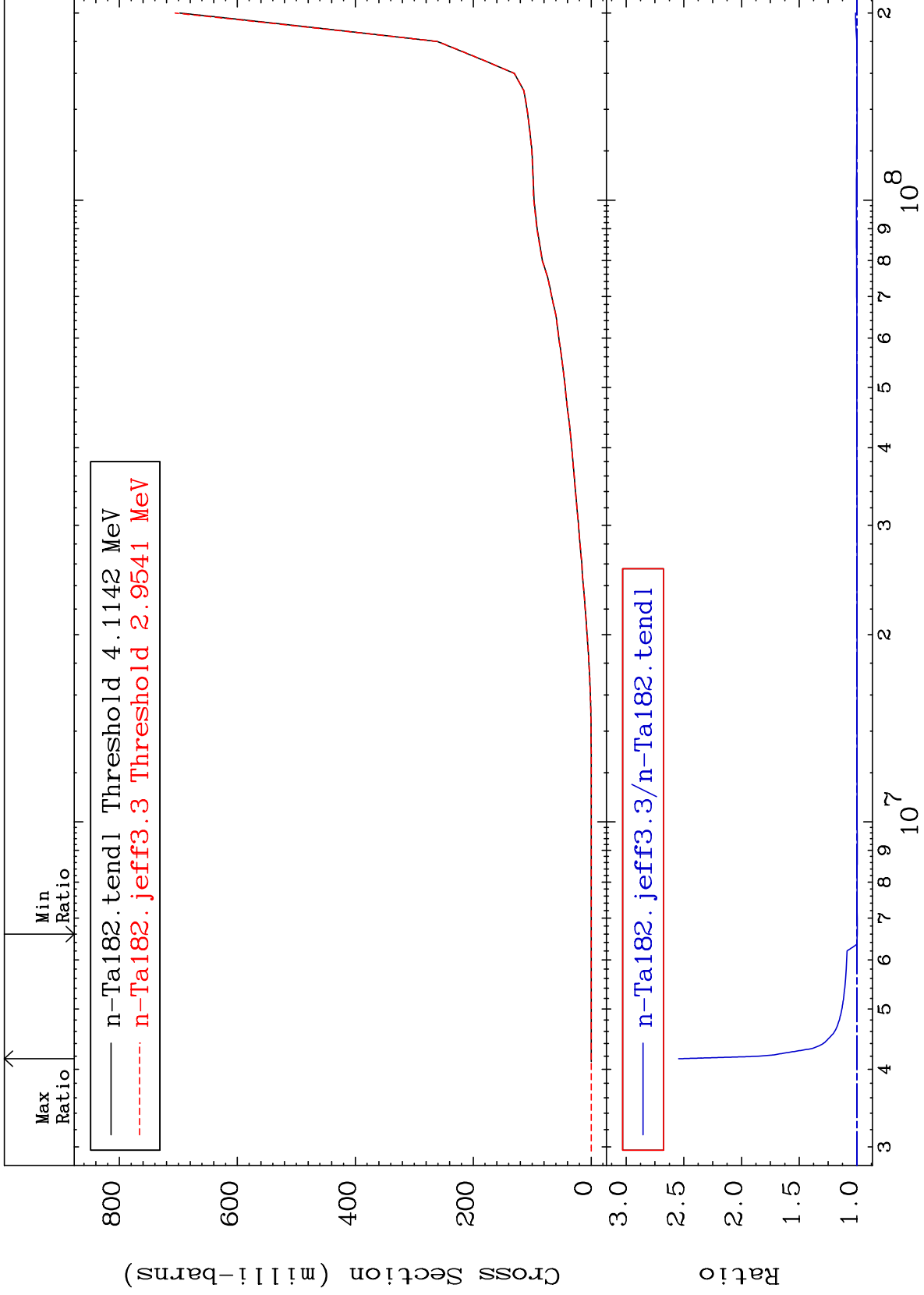




MAT 7331

Deuterium Production
Cross Section

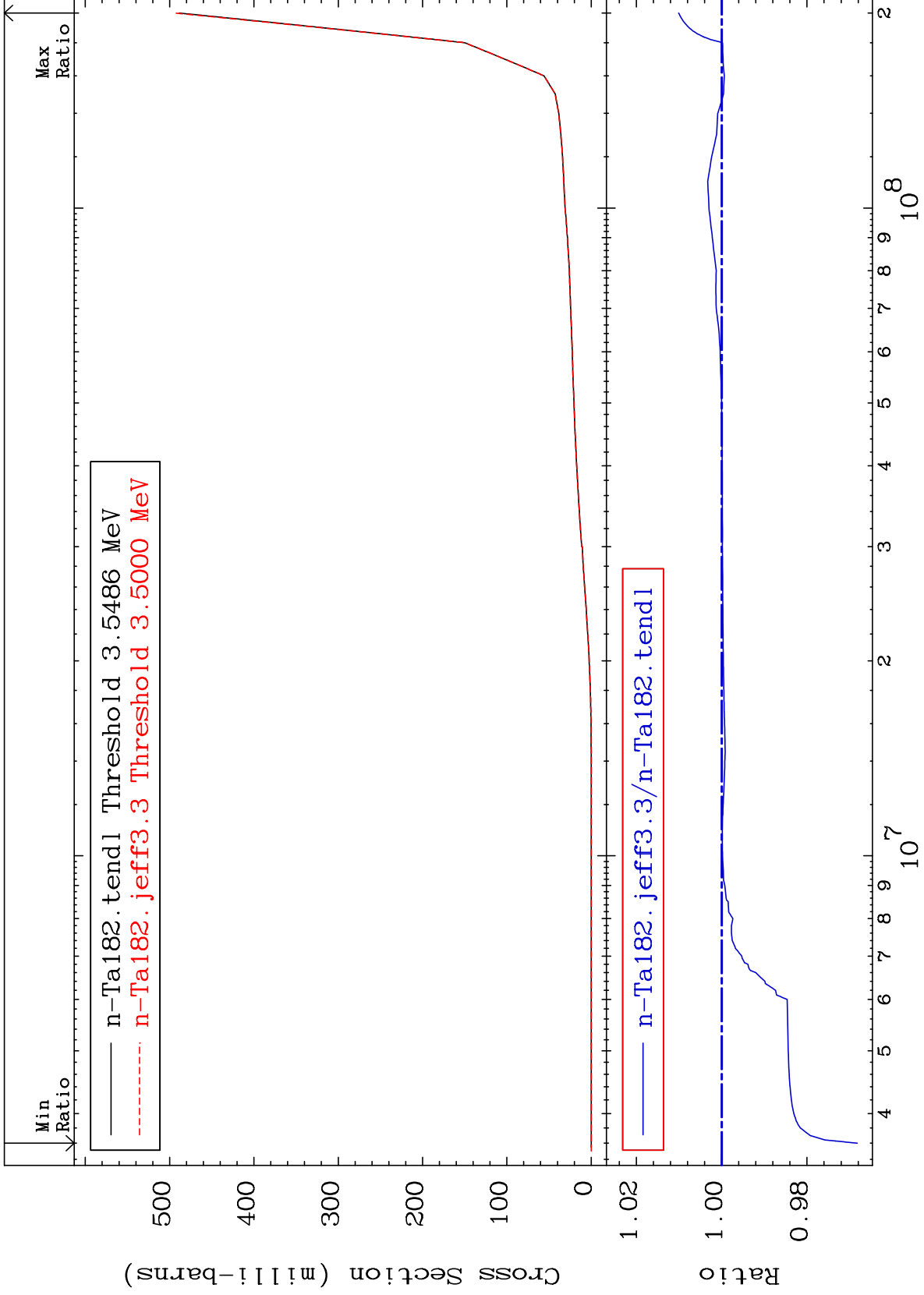
⁷³Ta-¹⁸²
-0.280 To 154.5 %



MAT 7331

Tritium Production
Cross Section

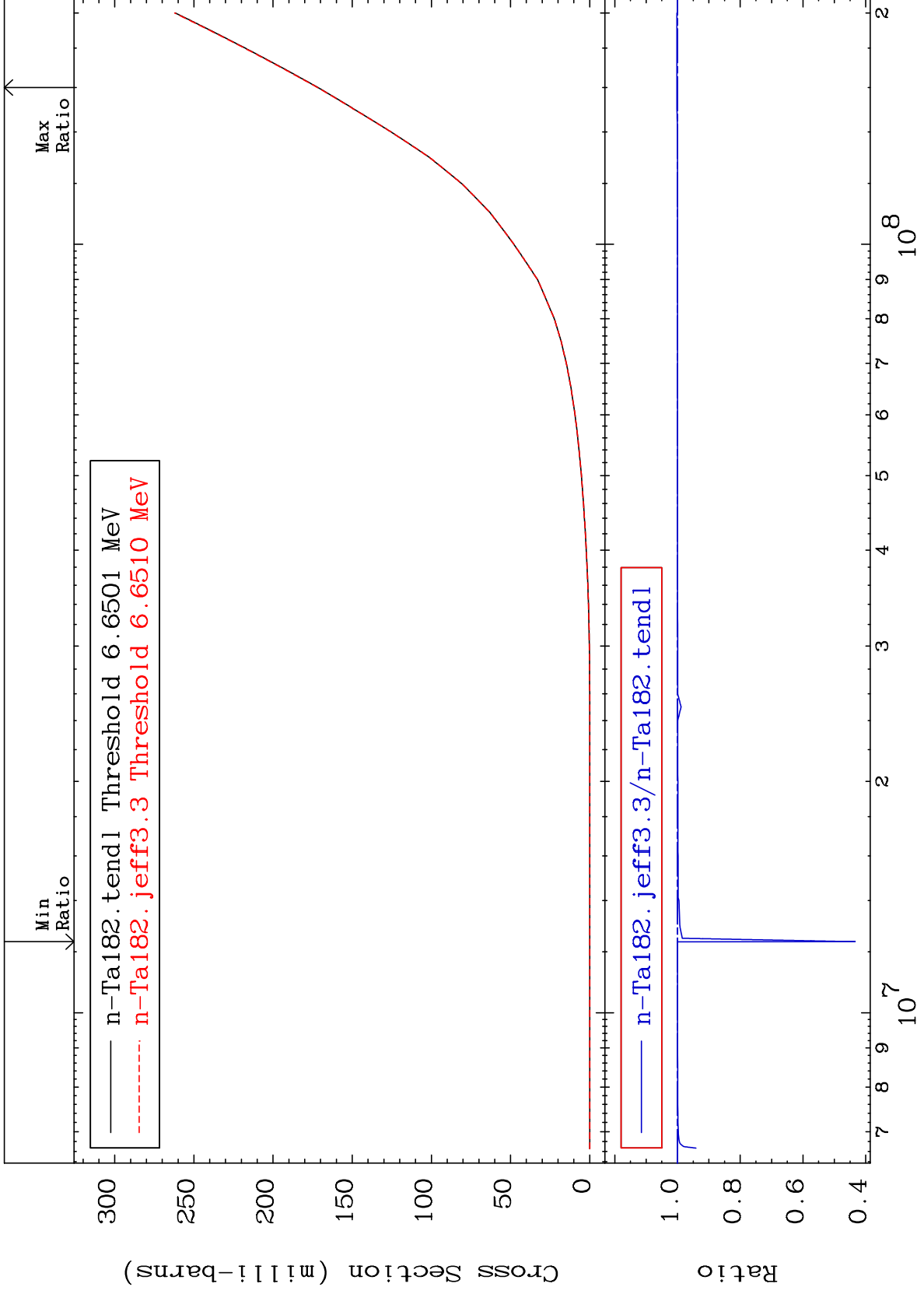
⁷³Ta-¹⁸²
-3.178 To 1.011 %



MAT 7331

He-3 Production
Cross Section

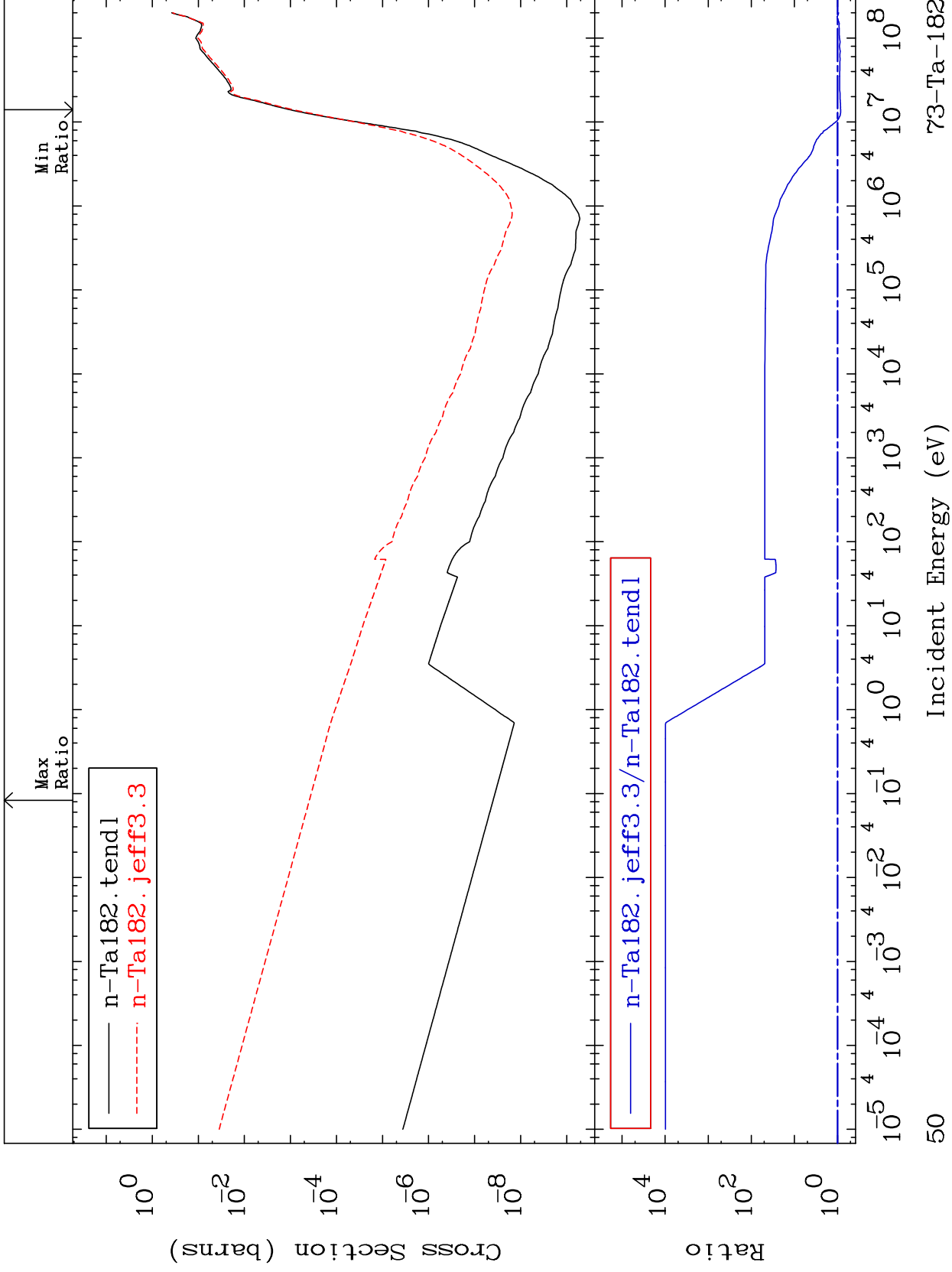
$^{73}\text{Ta-182}$
-56.62 To 0.188 %



MAT 7331

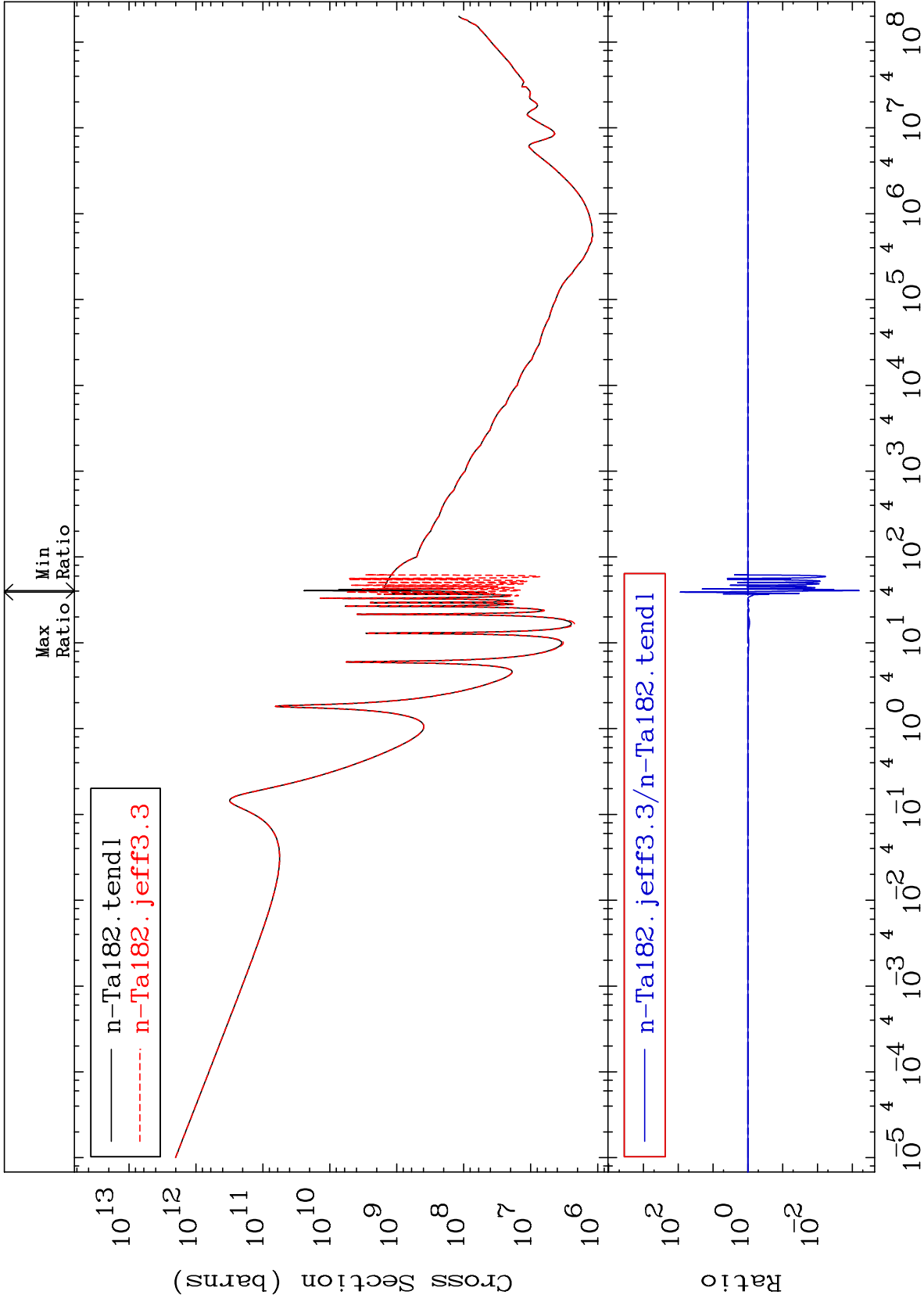
He-4 Production
Cross Section

73-Ta-182
-15.55 To 9999. %



50

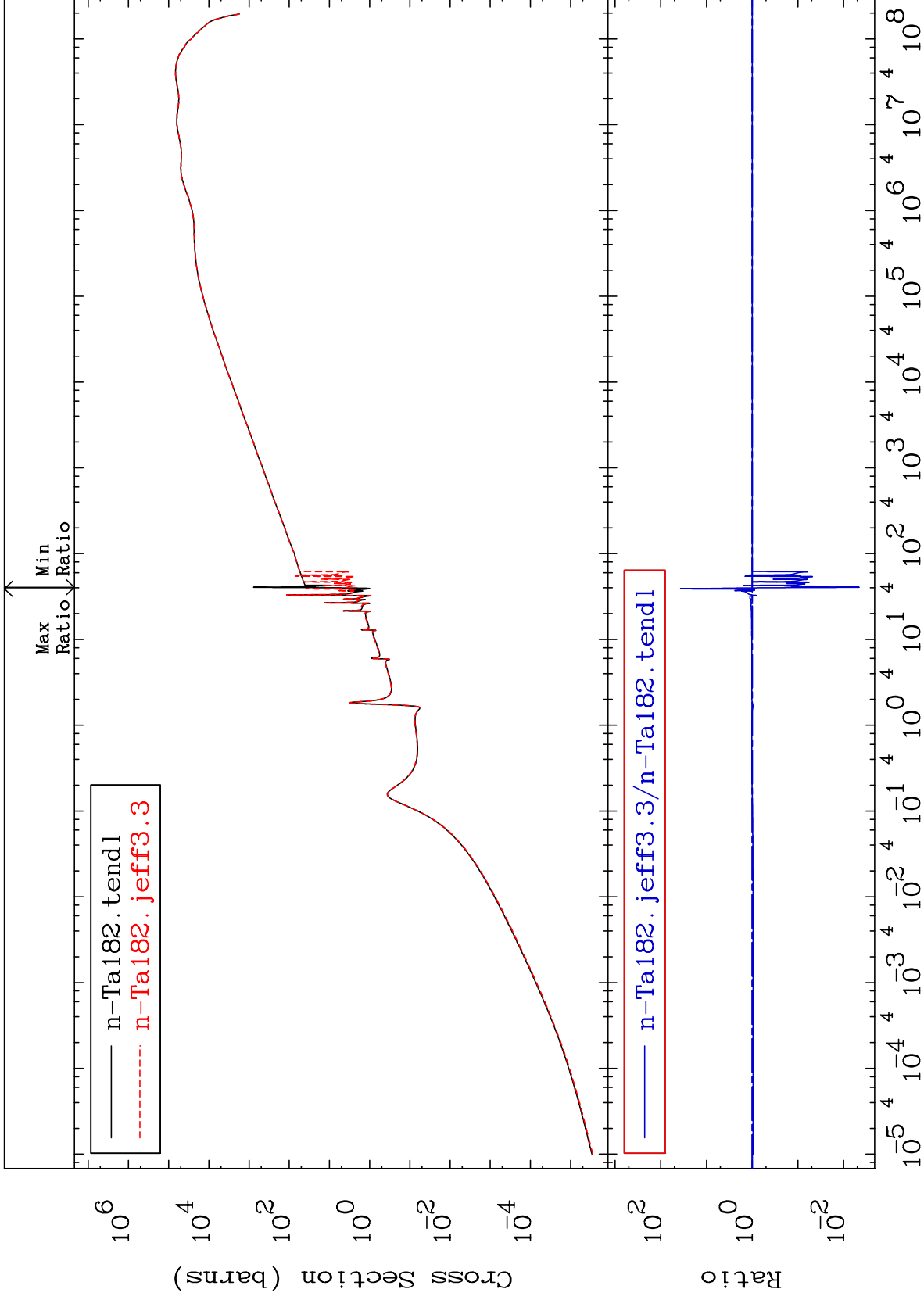
73-Ta-182



MAT 7331

Kerma elastic
Cross Section

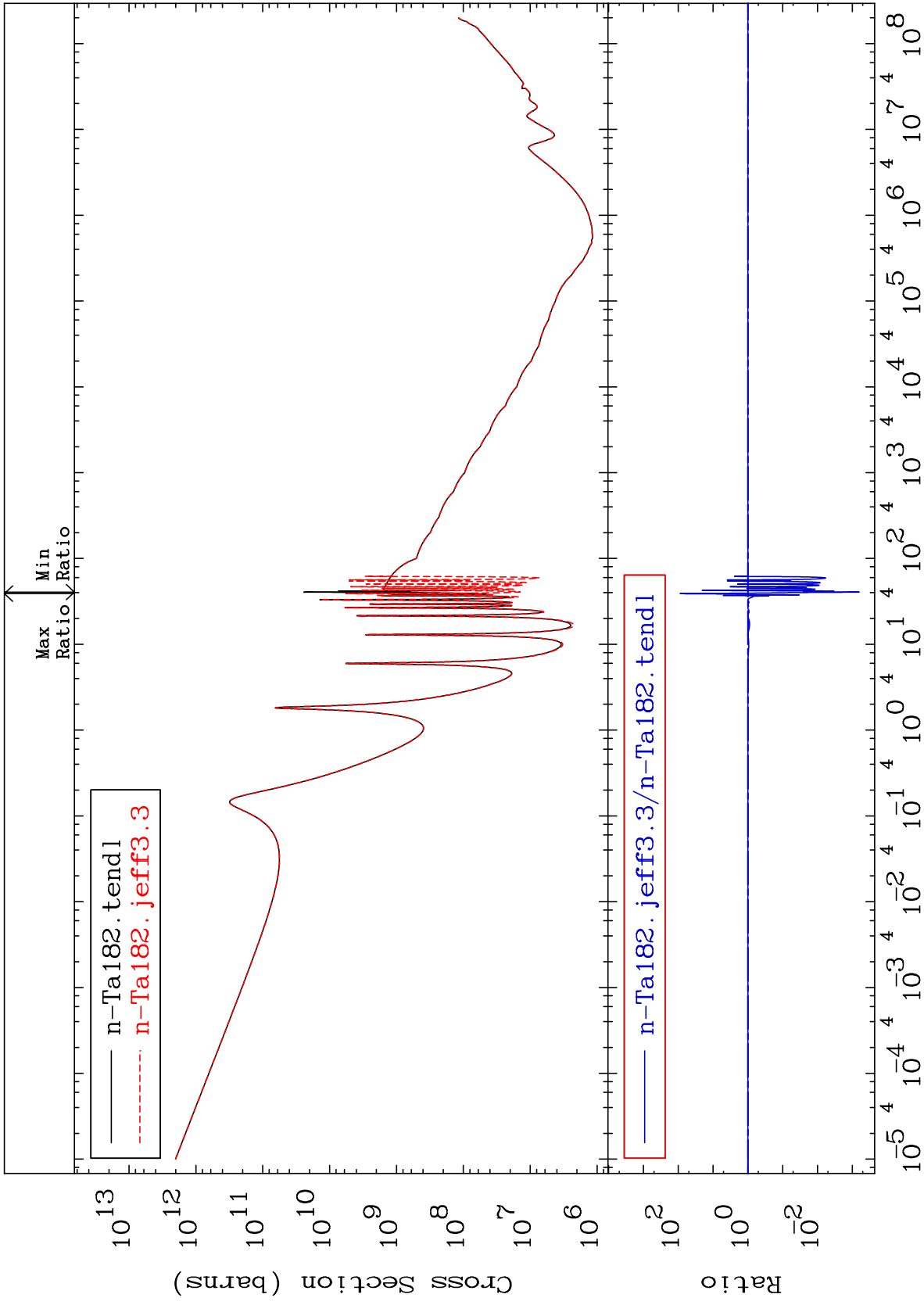
⁷³Ta-182
-99.55 To 3634. %

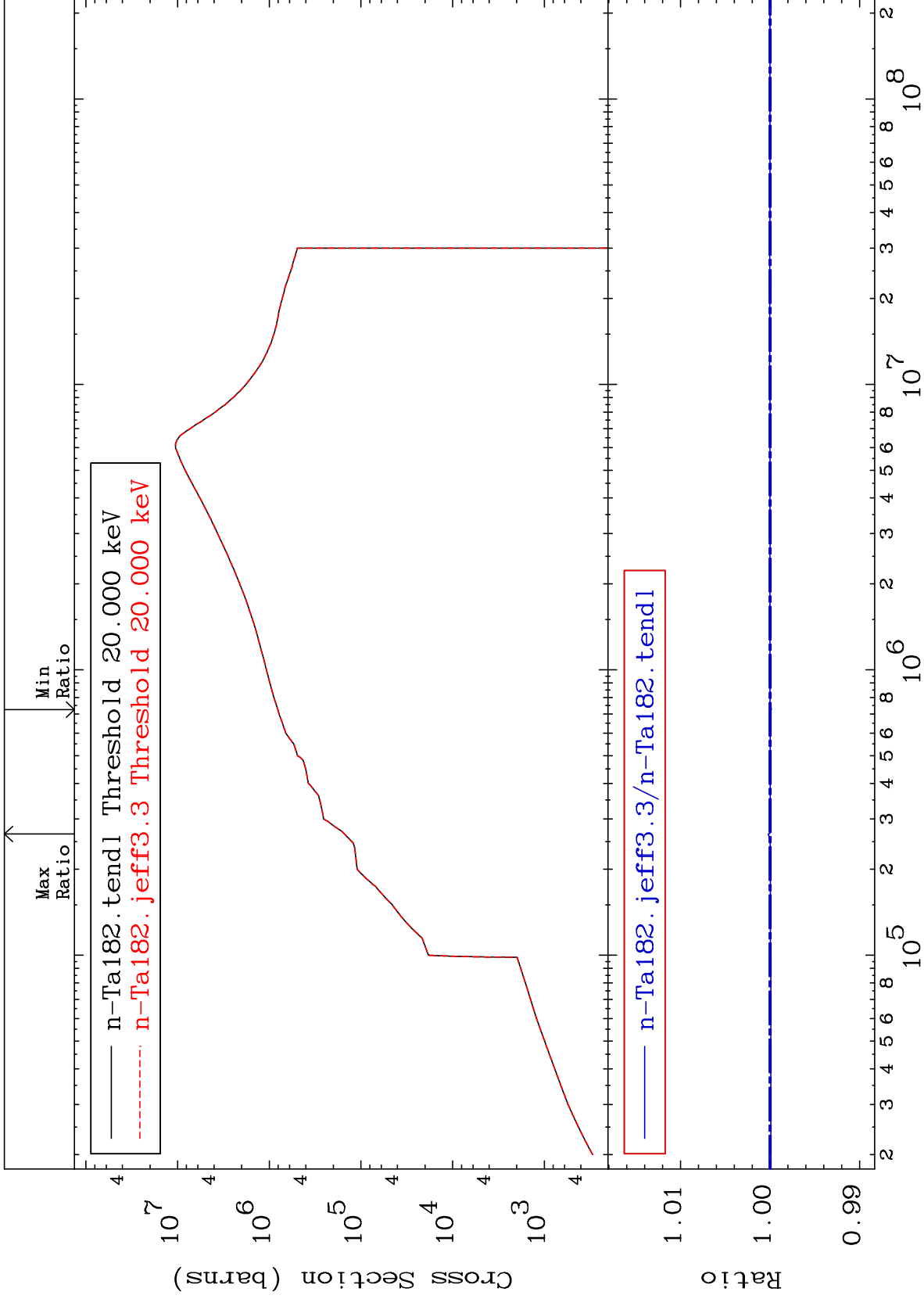


52

Incident Energy (eV)

⁷³Ta-182

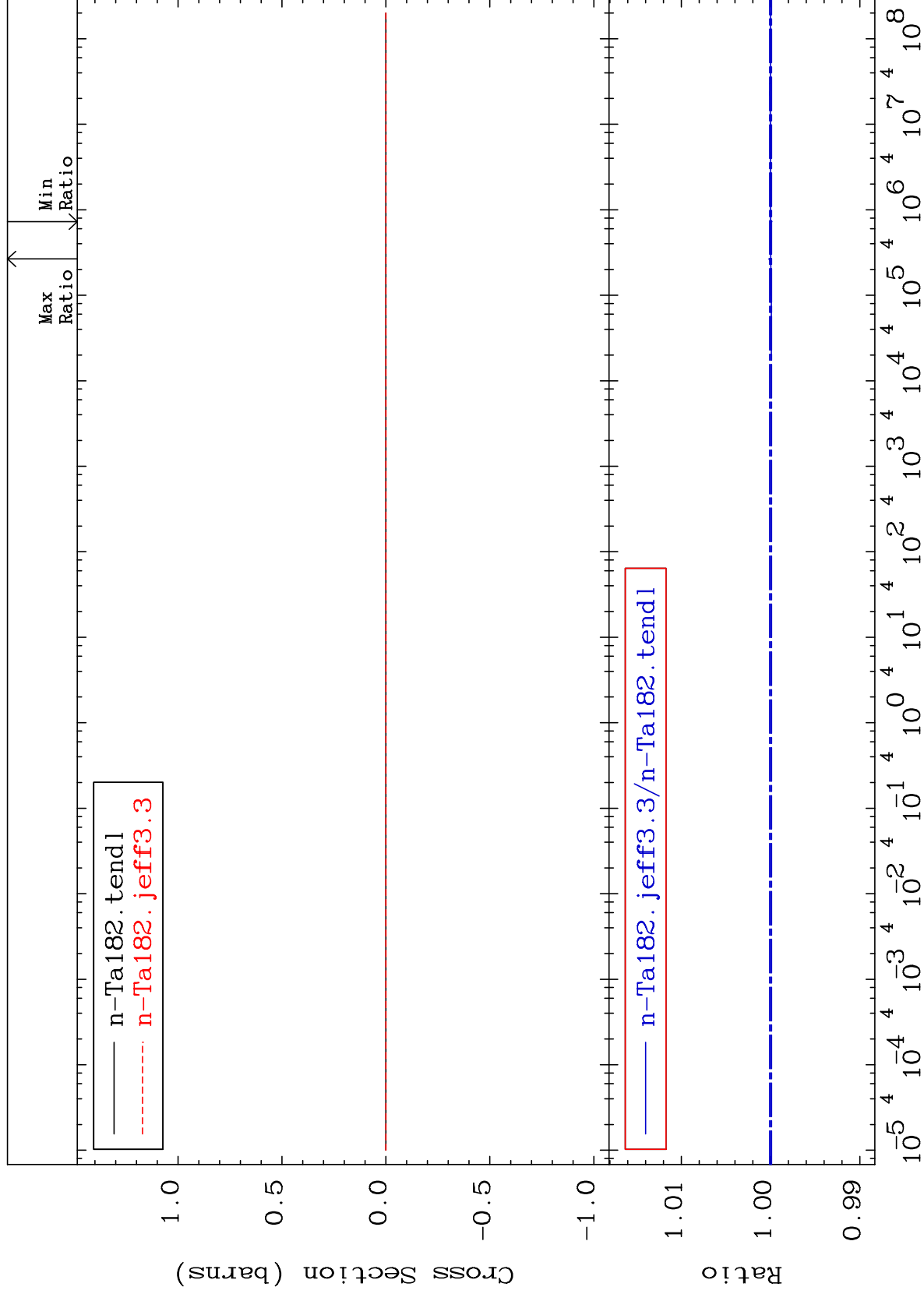




MAT 7331

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

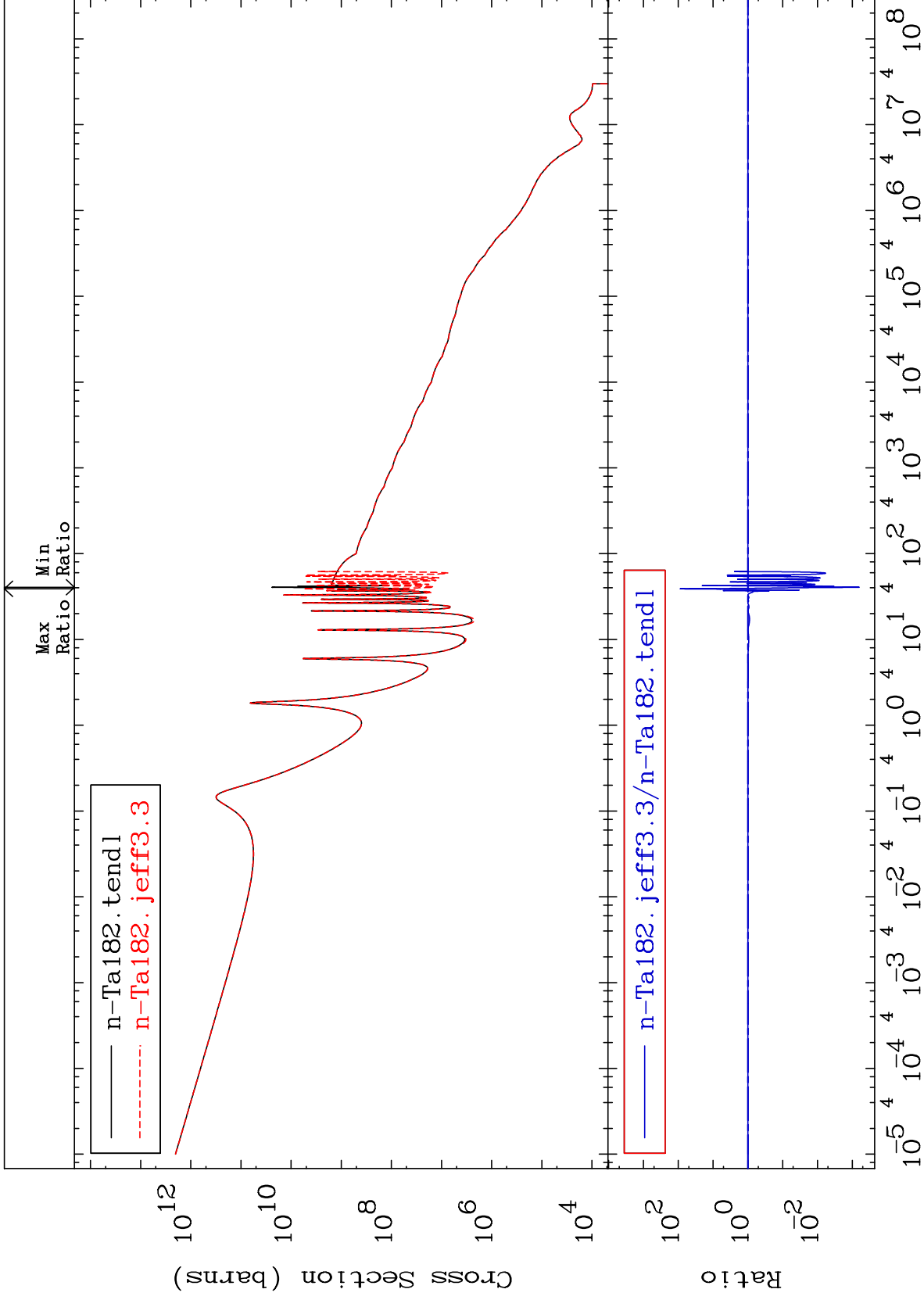
73-Ta-182
-0.016 To 0.020 %



55

Incident Energy (eV)

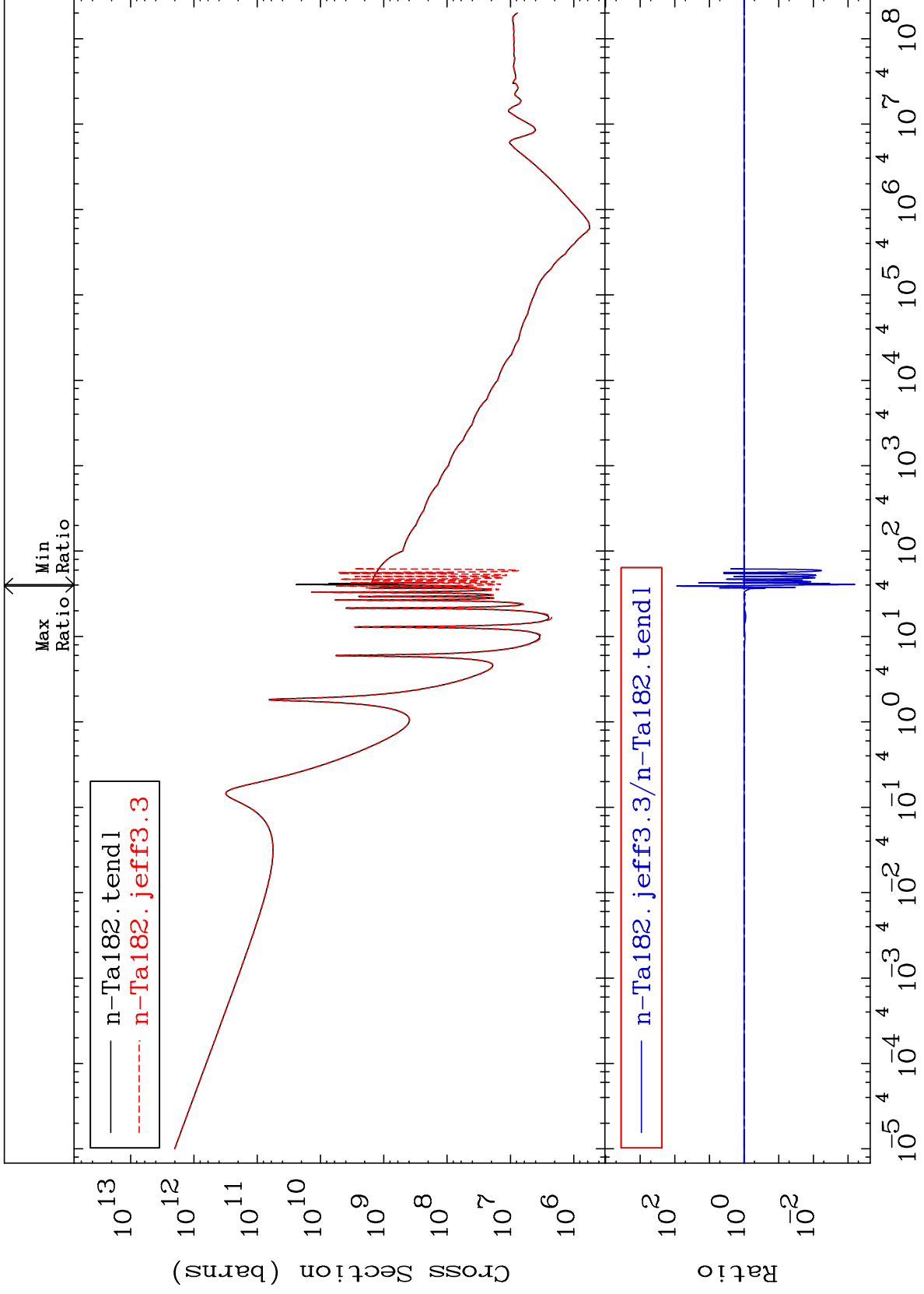
73-Ta-182

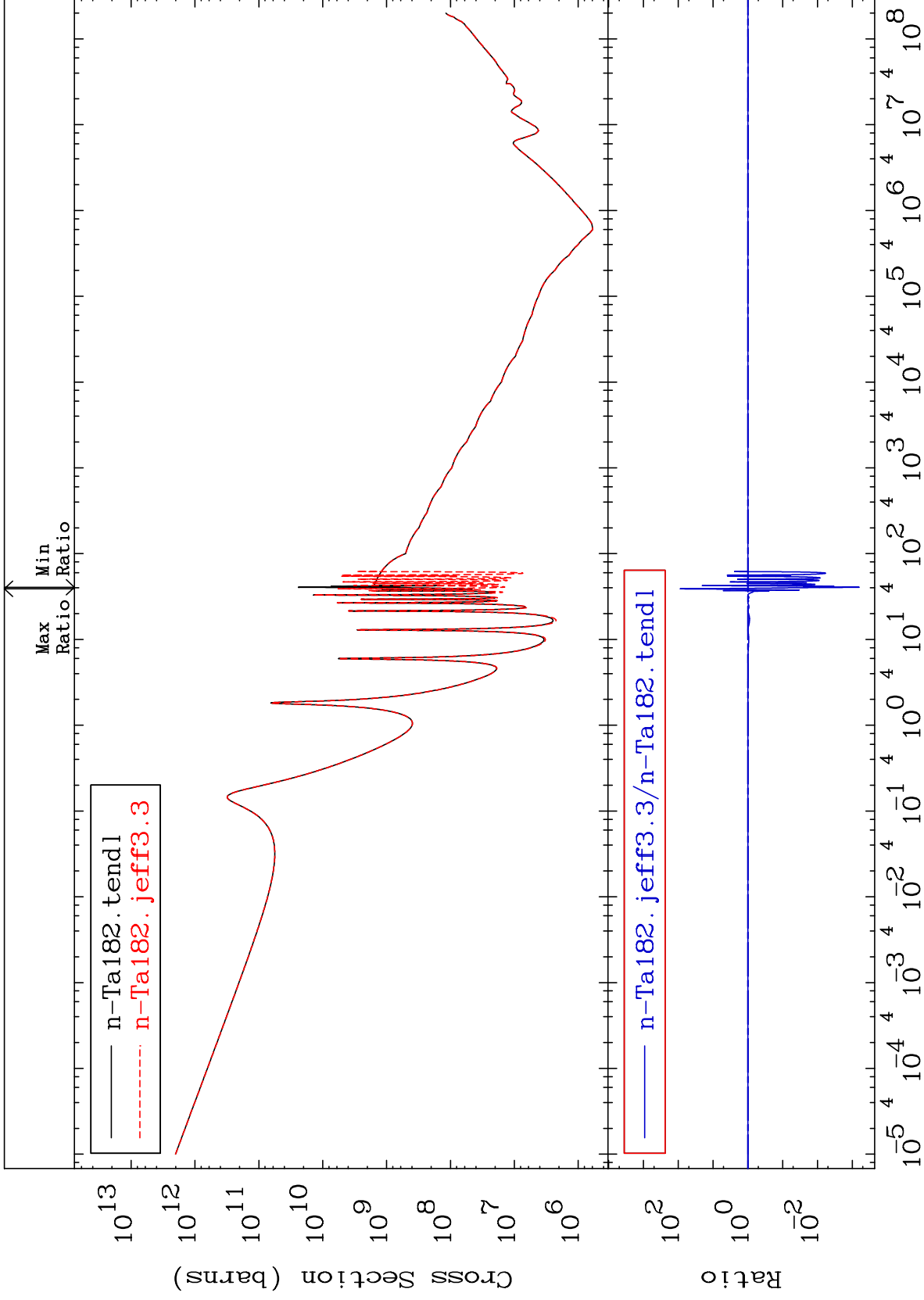


MAT 7331

Total photon (eV-barns)
Cross Section

⁷³Ta-182
-99.94 To 8621. %

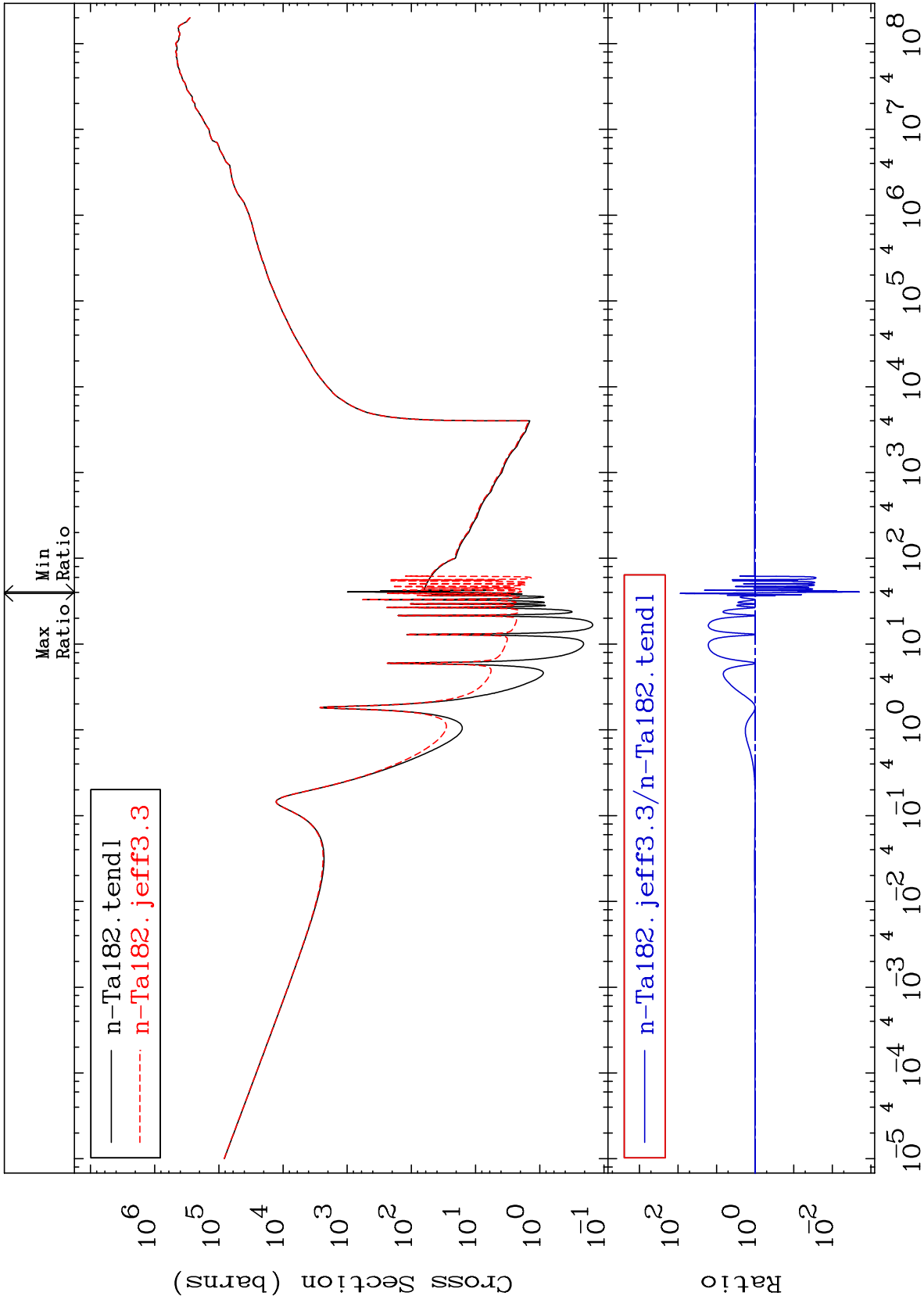




MAT 7331

Dpa total (eV-barns)
Cross Section

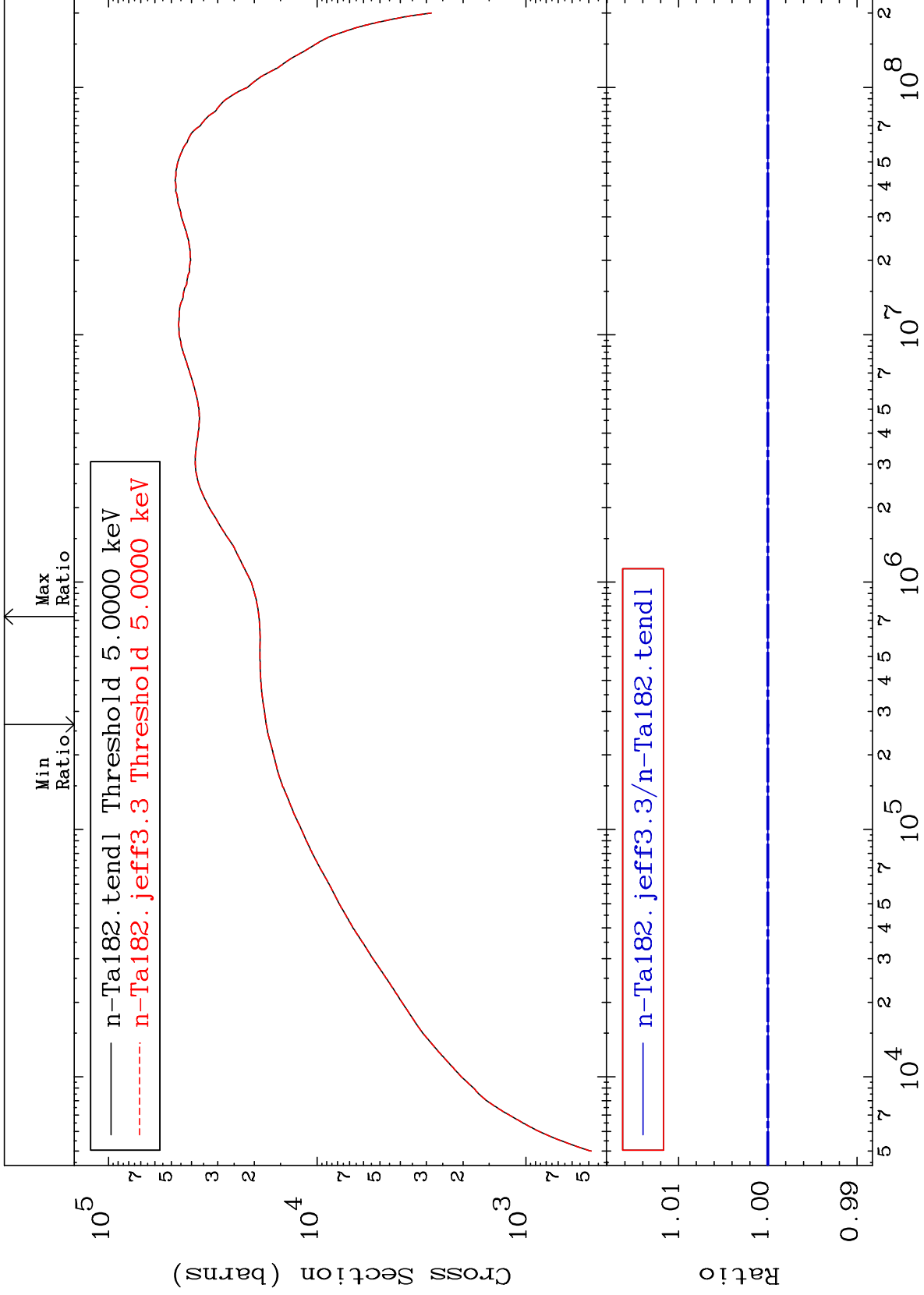
73-Ta-182
-99.80 To 8567. %



MAT 7331

Dpa elastic (mt2)
Cross Section

73-Ta-182
-0.011 To 0.008 %



60

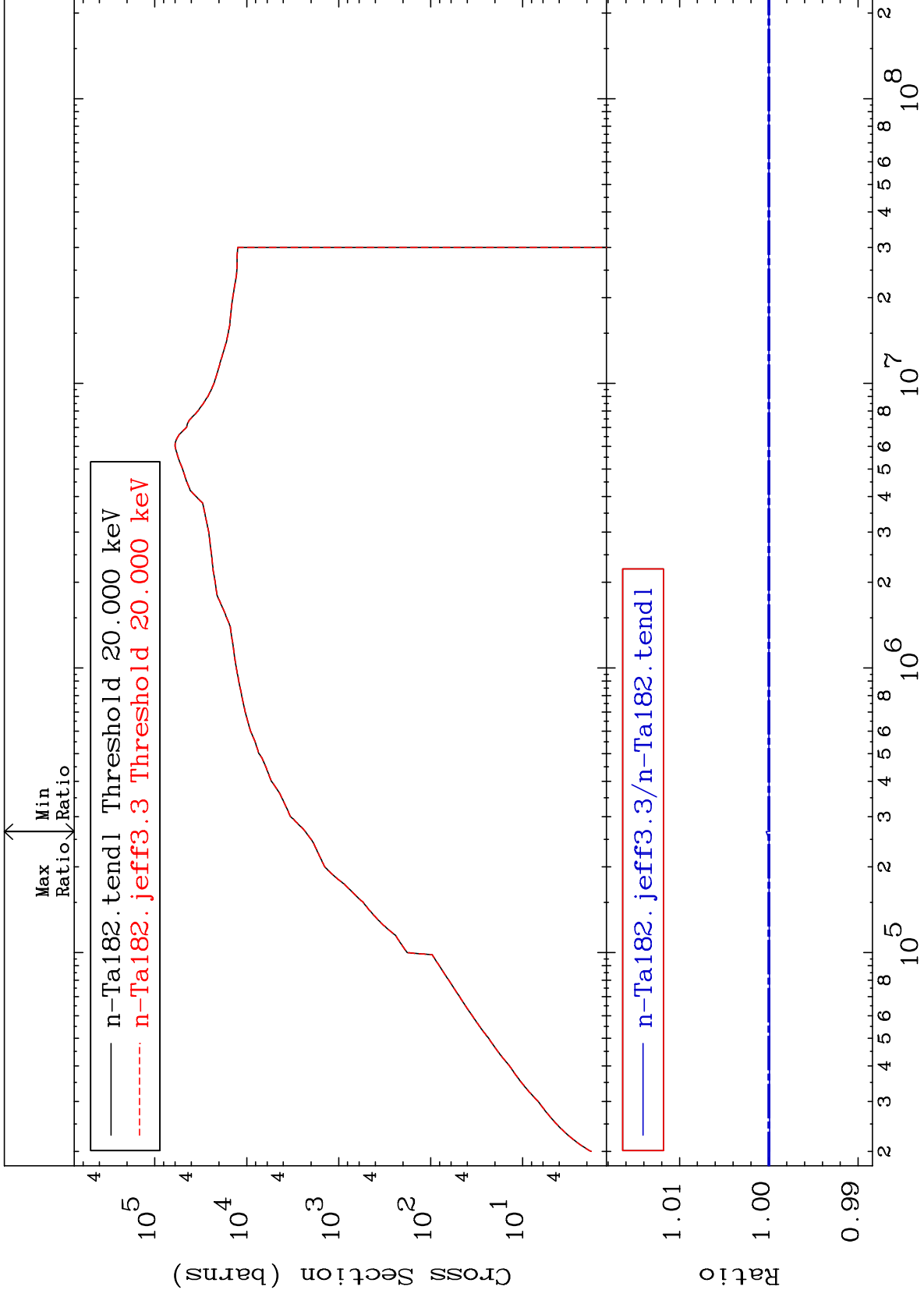
Incident Energy (eV)

73-Ta-182

MAT 7331

Dpa inelastic (mt51-91)
Cross Section

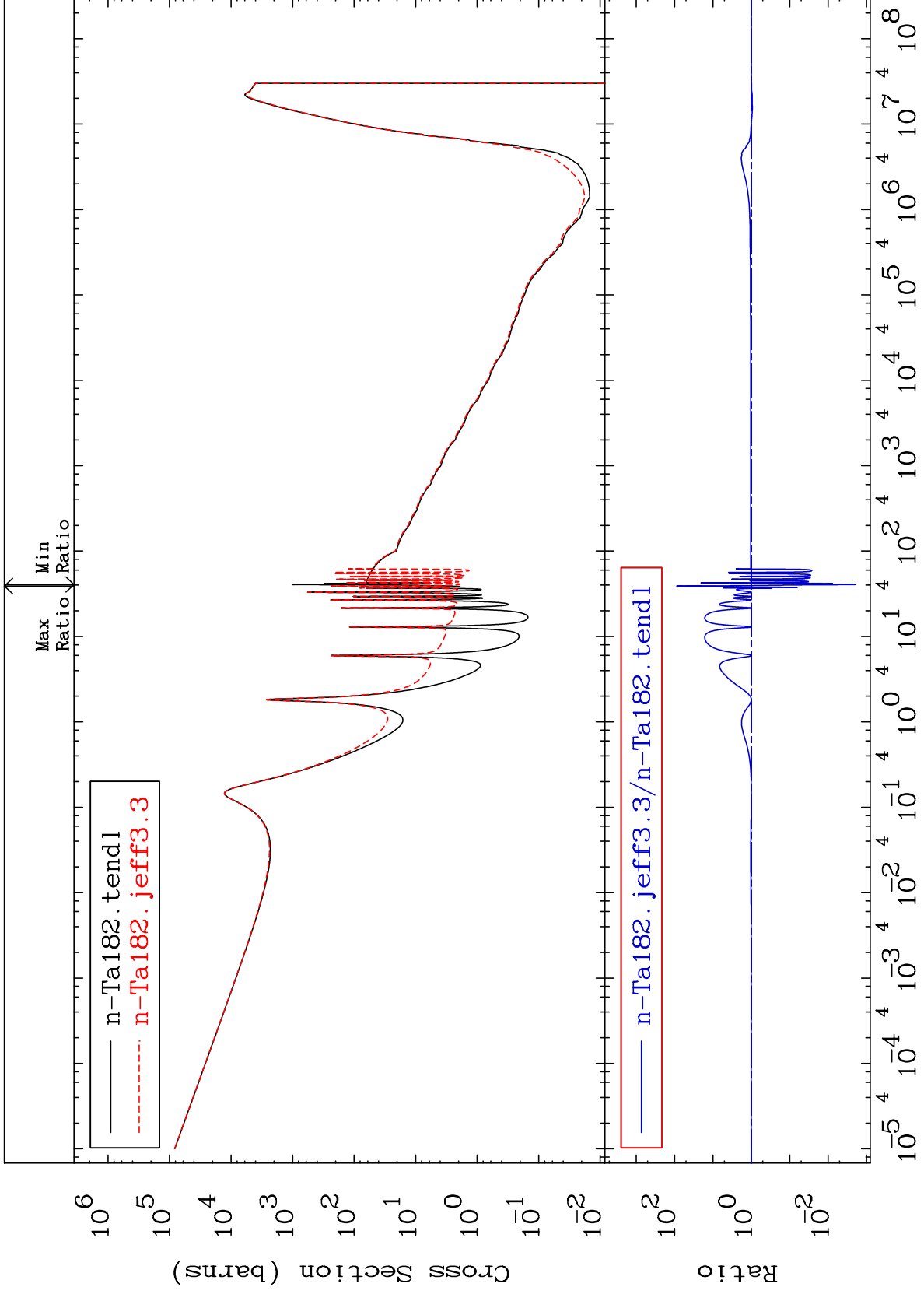
73-Ta-182
-0.011 To 0.031 %



MAT 7331

Dpa disappearance (mt102 -120)
Cross Section

73-Ta-182
-99.80 To 8567. %



62

Incident Energy (eV)

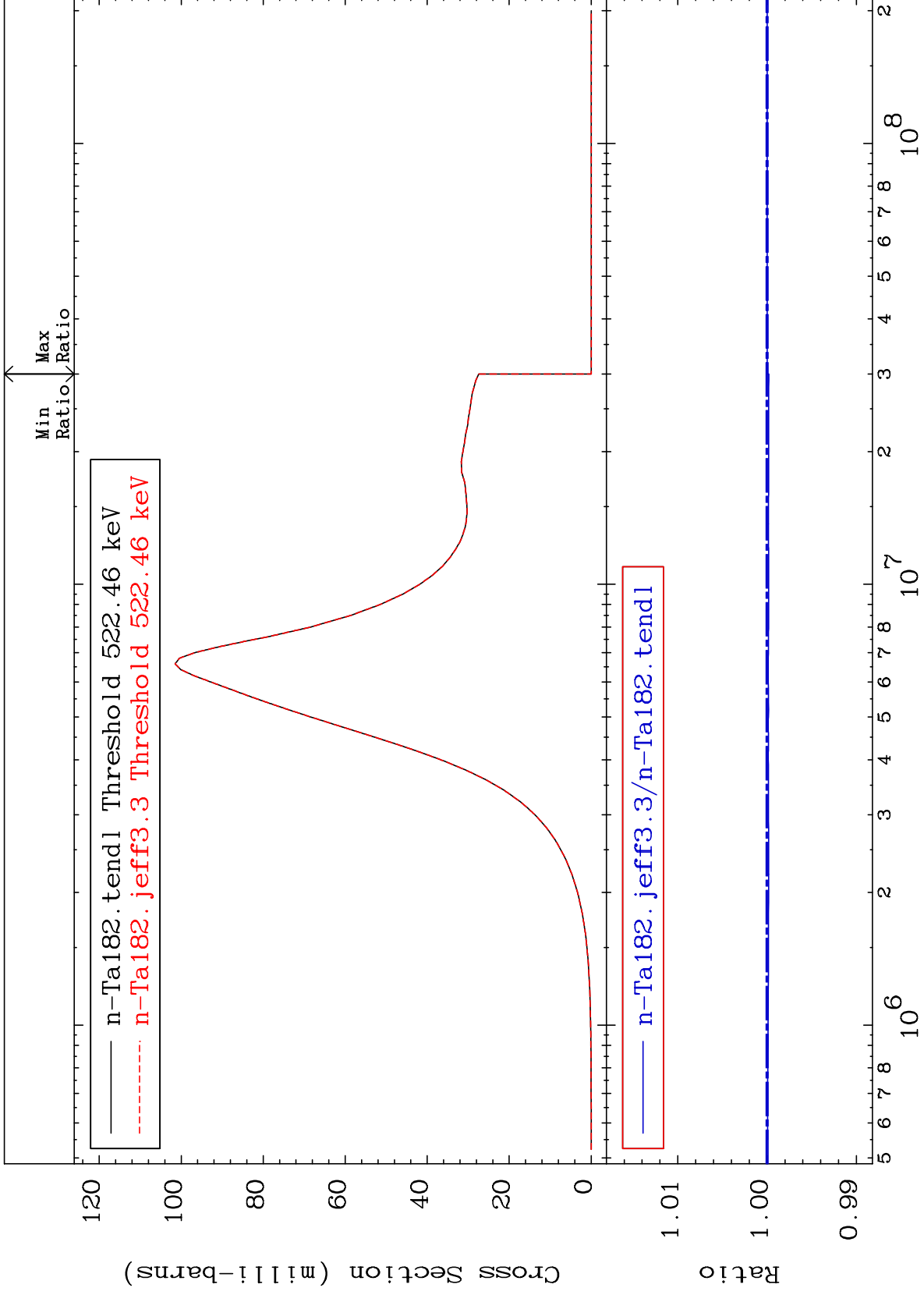
73-Ta-182

MAT 7331

Inelastic: 73-Ta-182m29

73-Ta-182

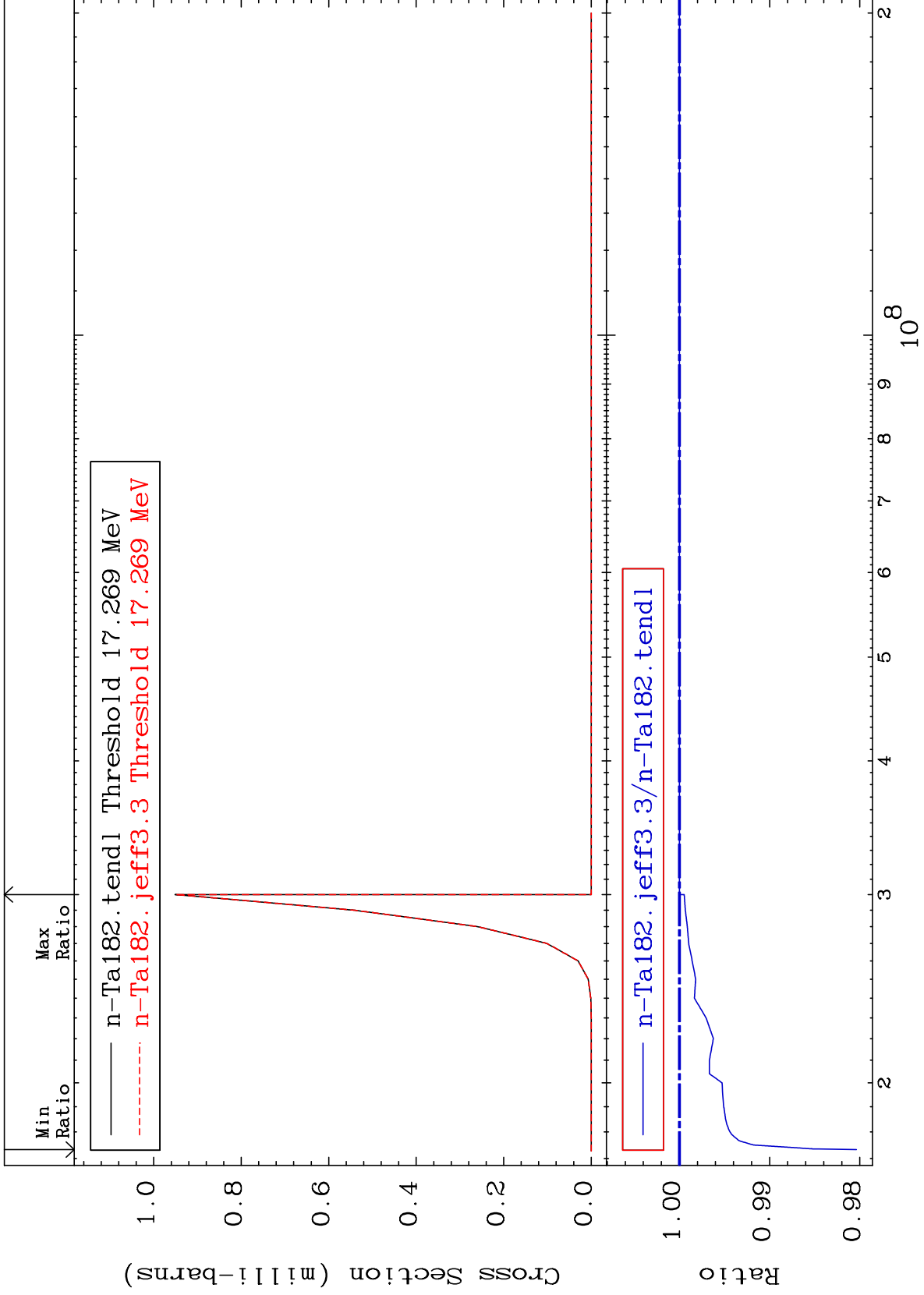
Radionuclide Production Cross Section -0.019 To 0.000 %



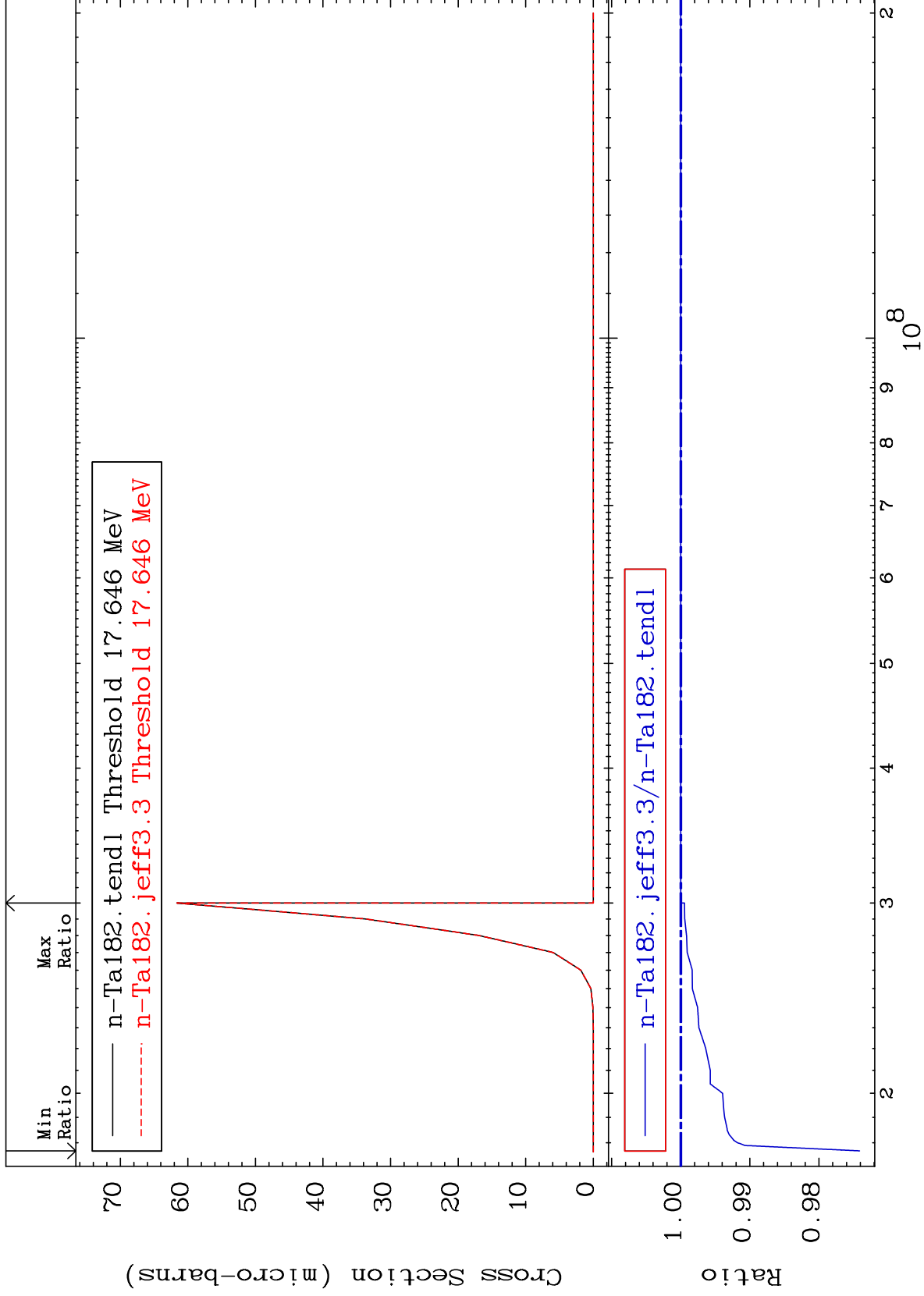
63

Incident Energy (eV)

73-Ta-182



Radionuclide Production Cross Section -2.588 To 0.000 %

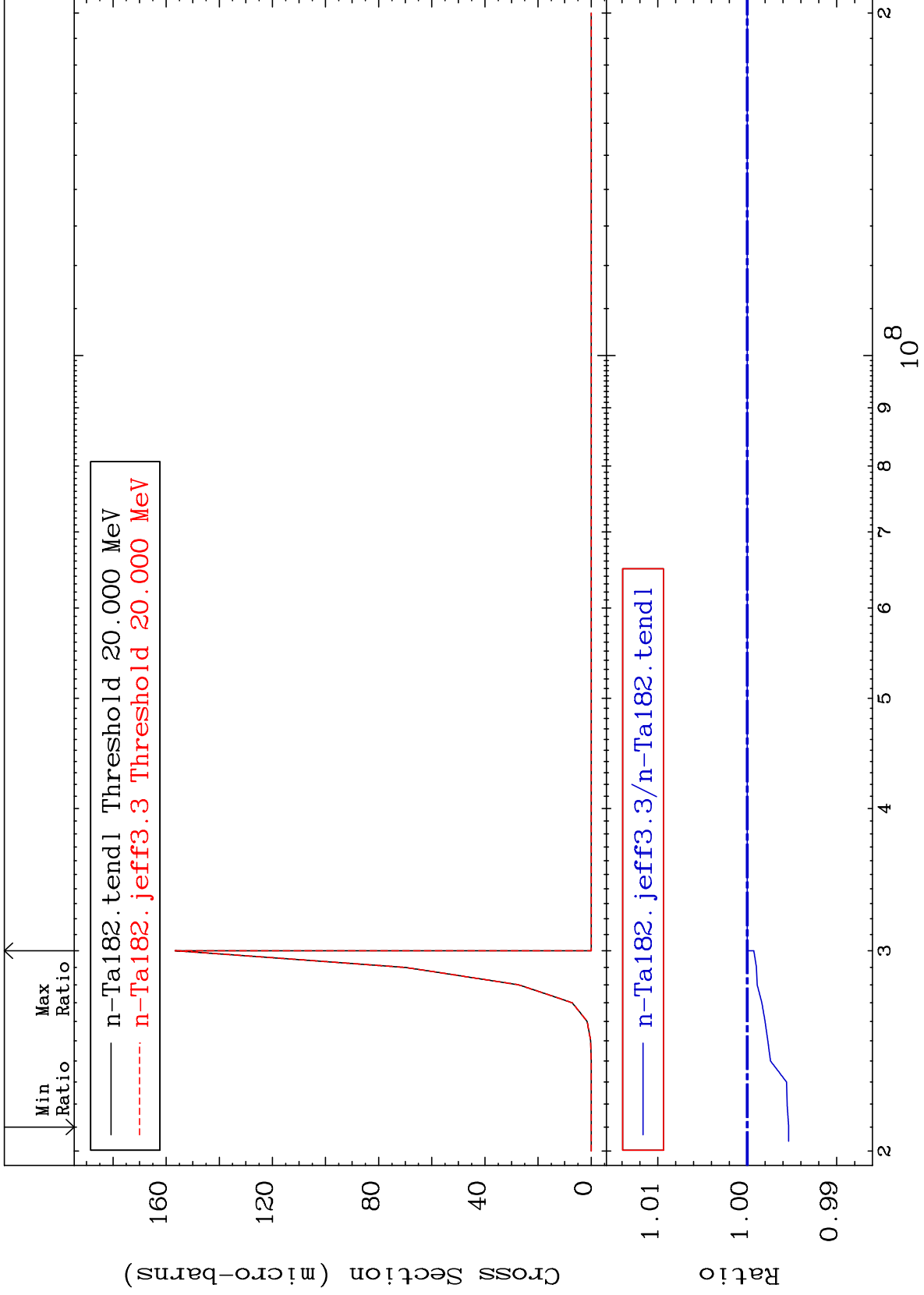


MAT 7331

(n,2n) d:72-Hf-179m10

73-Ta-182

Radionuclide Production Cross Section -0.463 To 0.000 %



MAT 7331

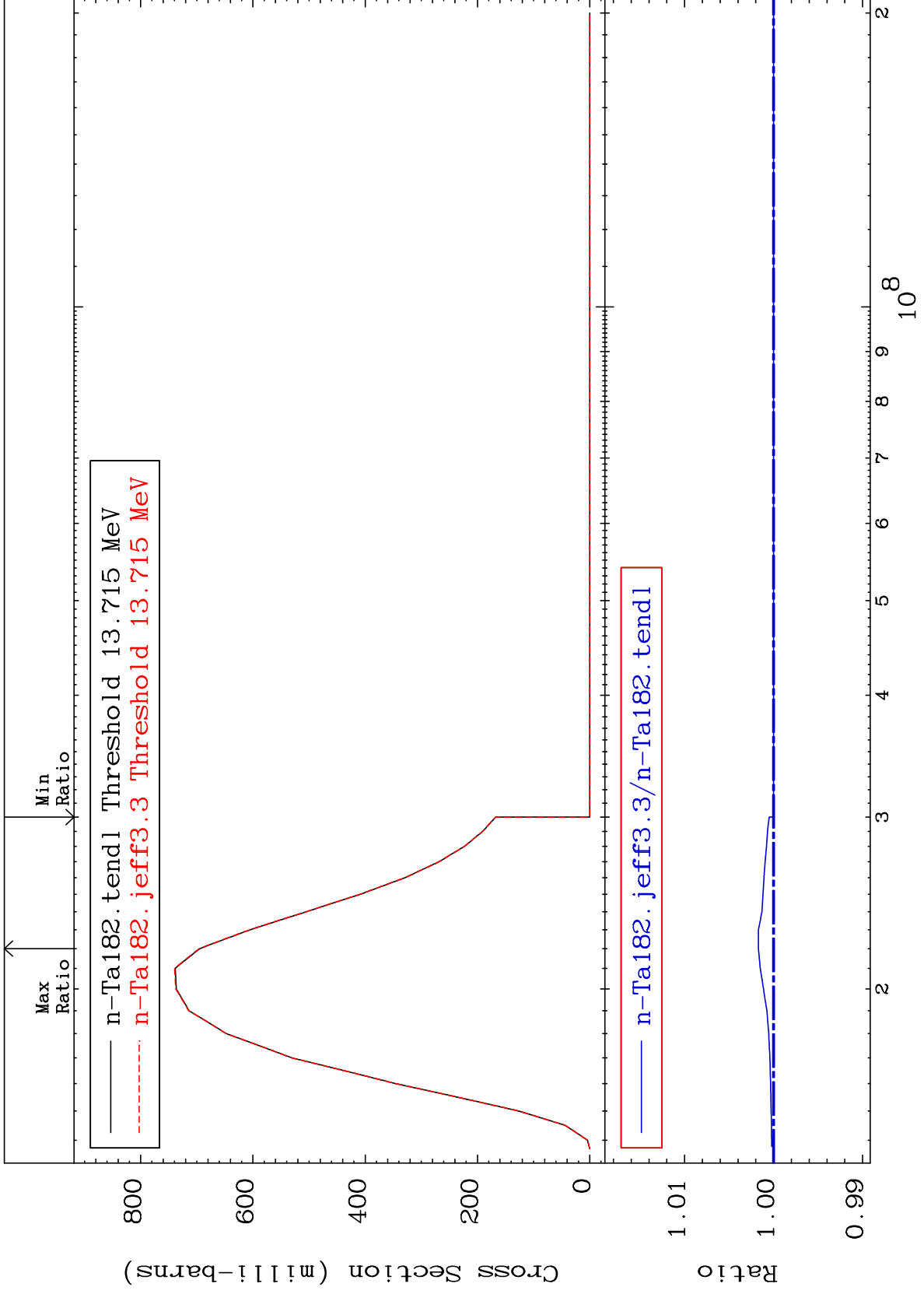
(n,3n):73-Ta-180g

73-Ta-182

Radionuclide Production Cross Section

0.000

To 0.170 %



67

Incident Energy (eV)

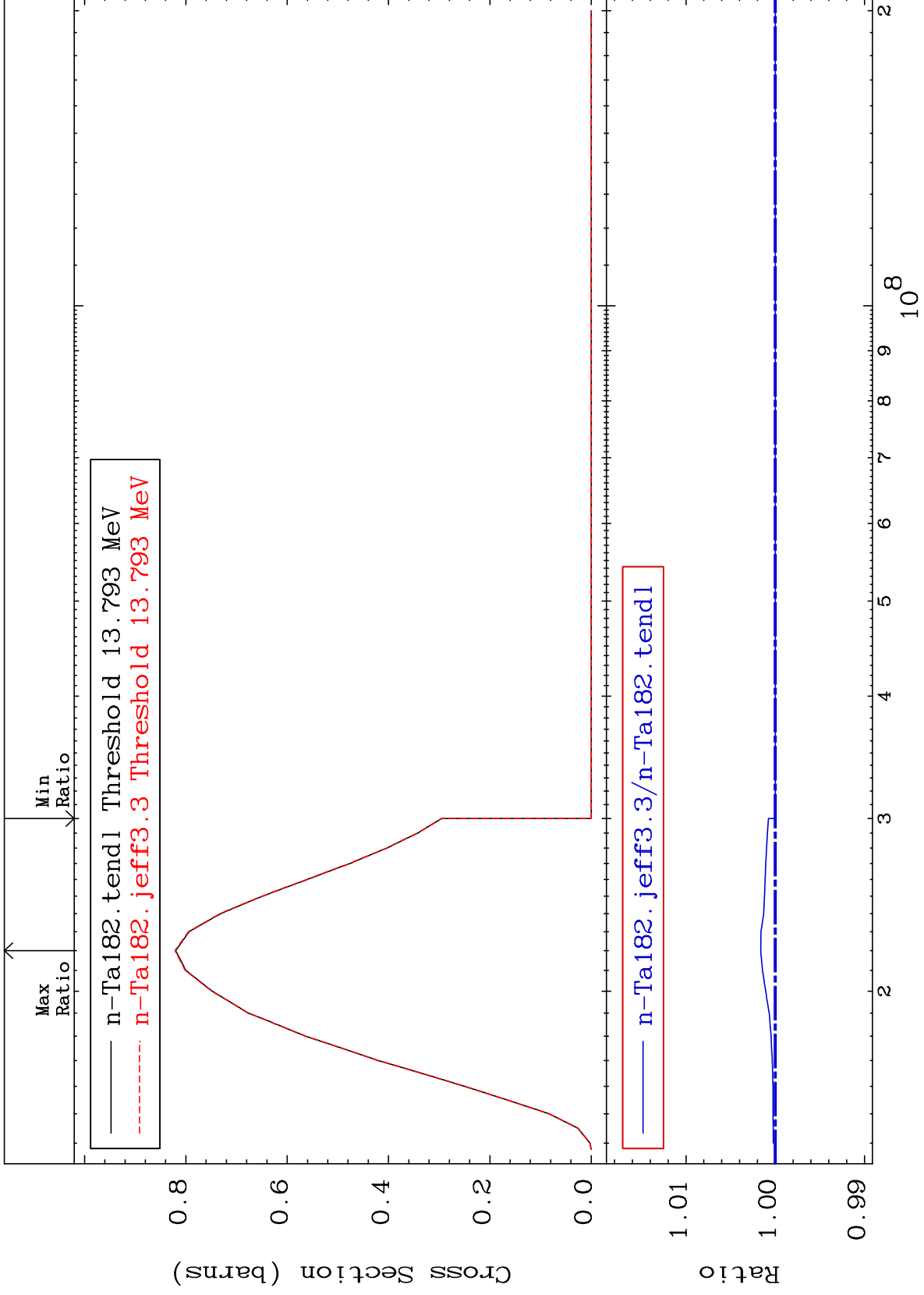
73-Ta-182

MAT 7331

(n, 3n) : 73-Ta-180m2

73-Ta-182

Radionuclide Production Cross Section 0.000 To 0.164 %



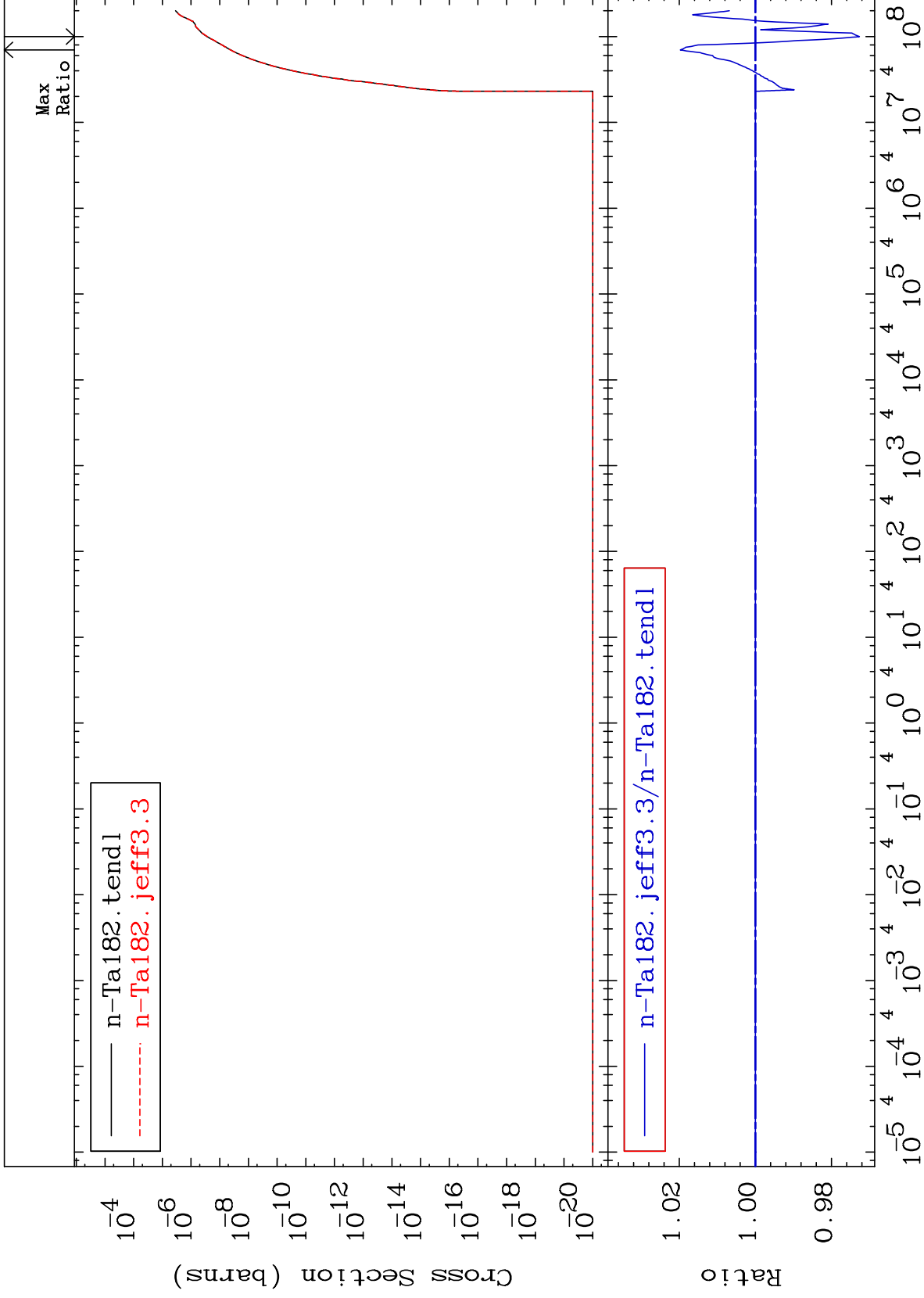
MAT 7331

Fission: Photon

⁷³Ta-182

Radionuclide Production Cross Section

-2.736 To 1.970 %



69

Incident Energy (eV)

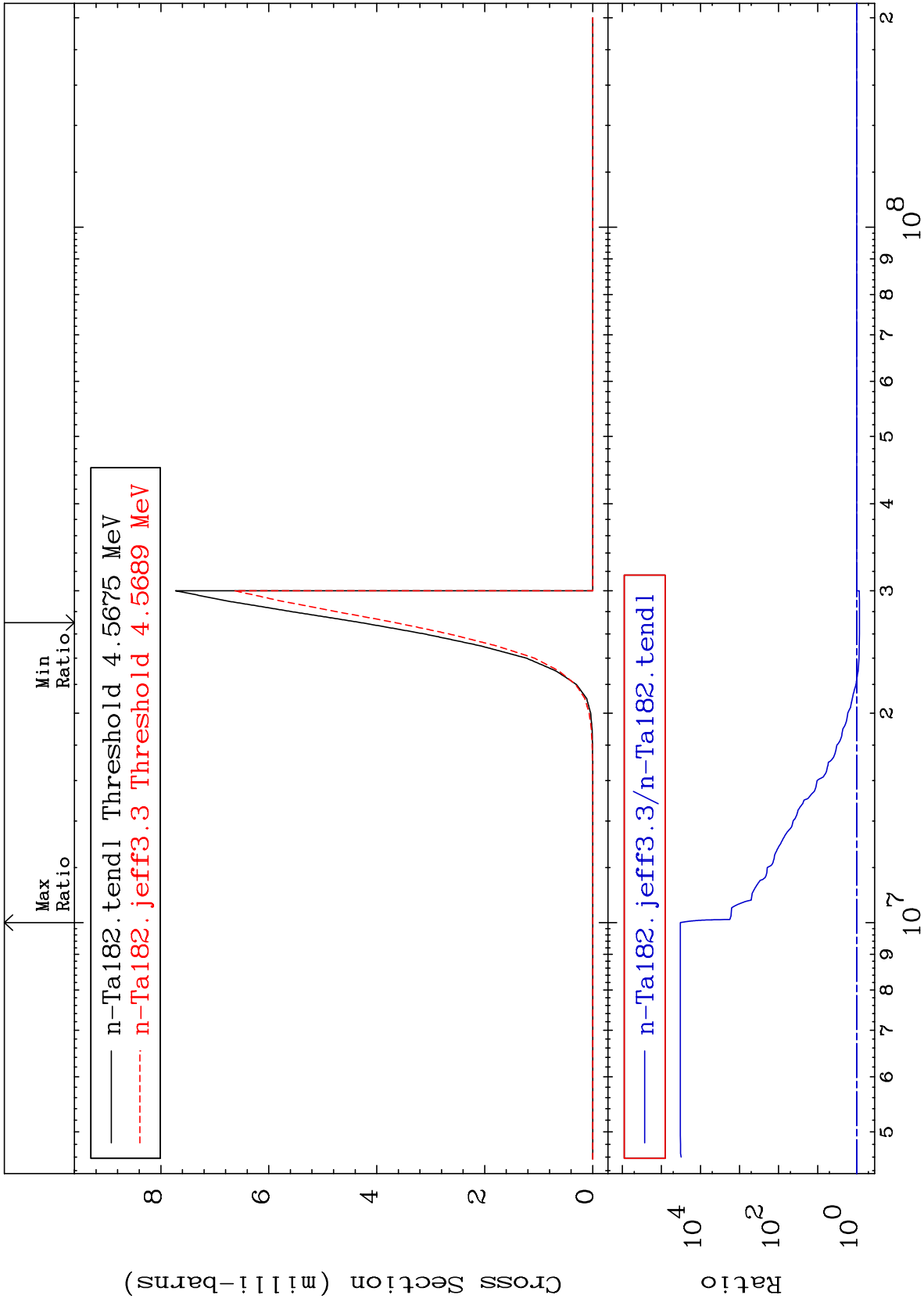
⁷³Ta-182

MAT 7331

(n,2n) α : 71-Lu-177g

73-Ta-182

Radionuclide Production Cross Section -14.89 To 9999. %



70

Incident Energy (eV)

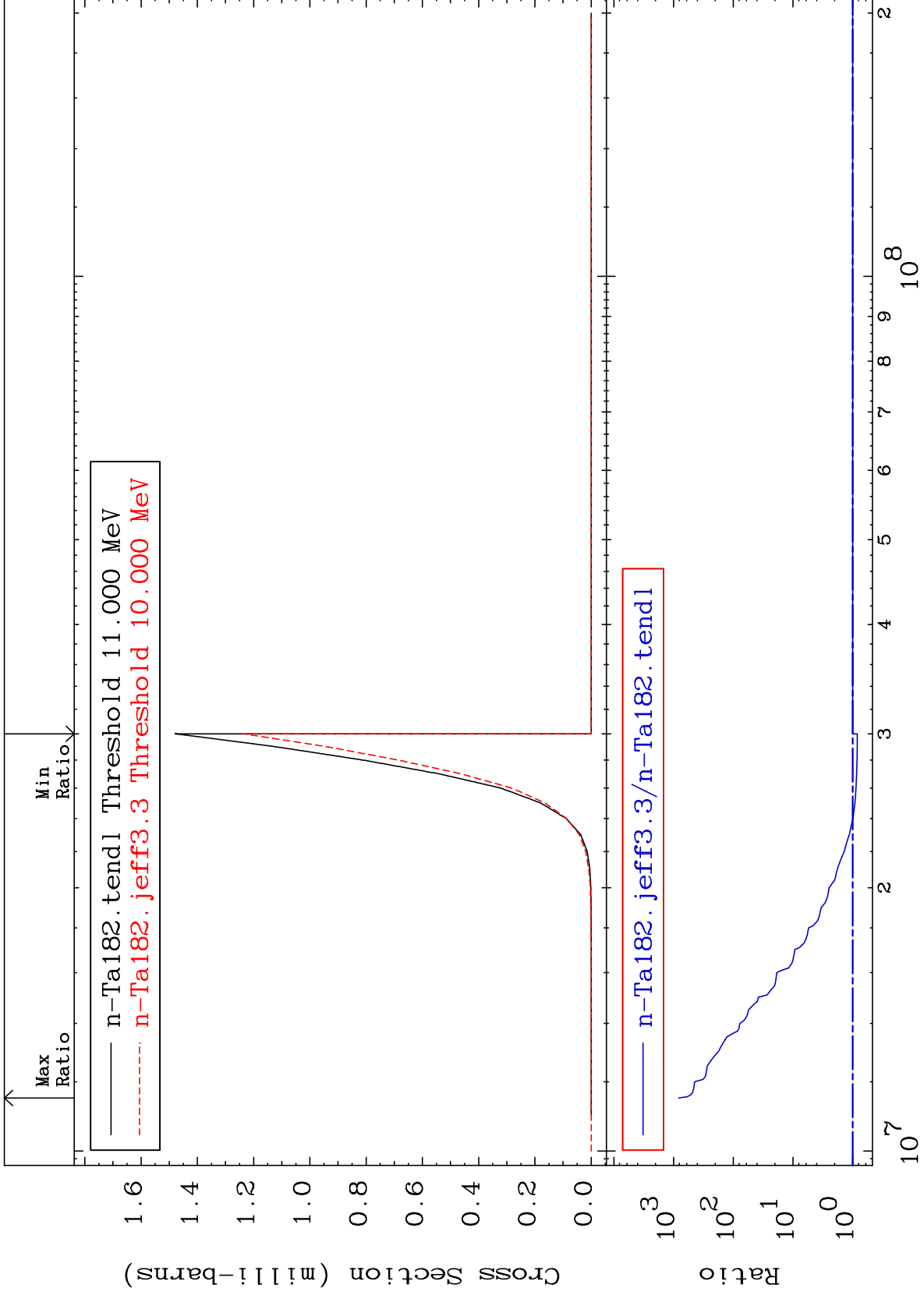
73-Ta-182

MAT 7331

(n,2n) α :71-Lu-177m29

73-Ta-182

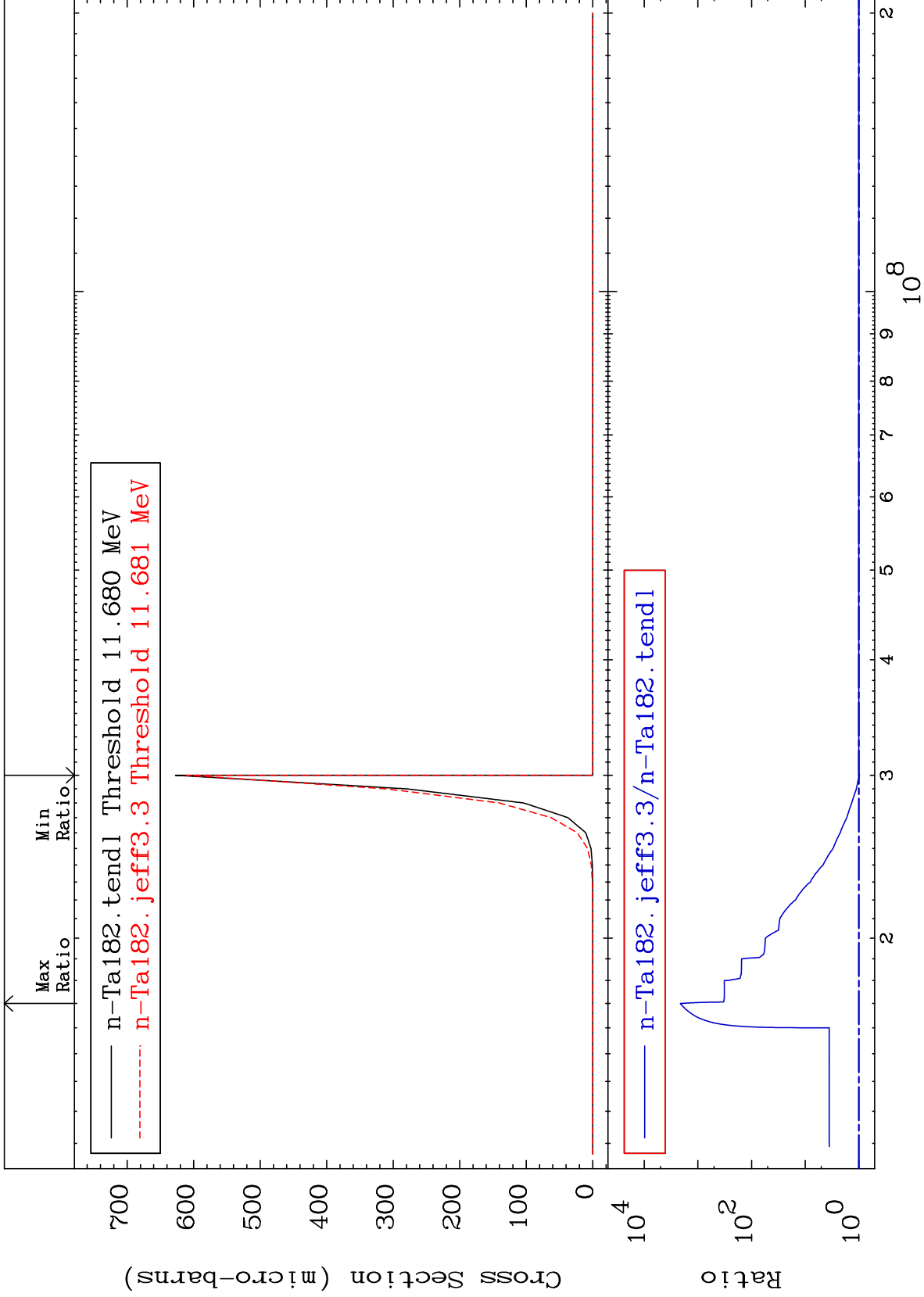
Radionuclide Production Cross Section -16.35 To 9999. %



71

Incident Energy (eV)

73-Ta-182

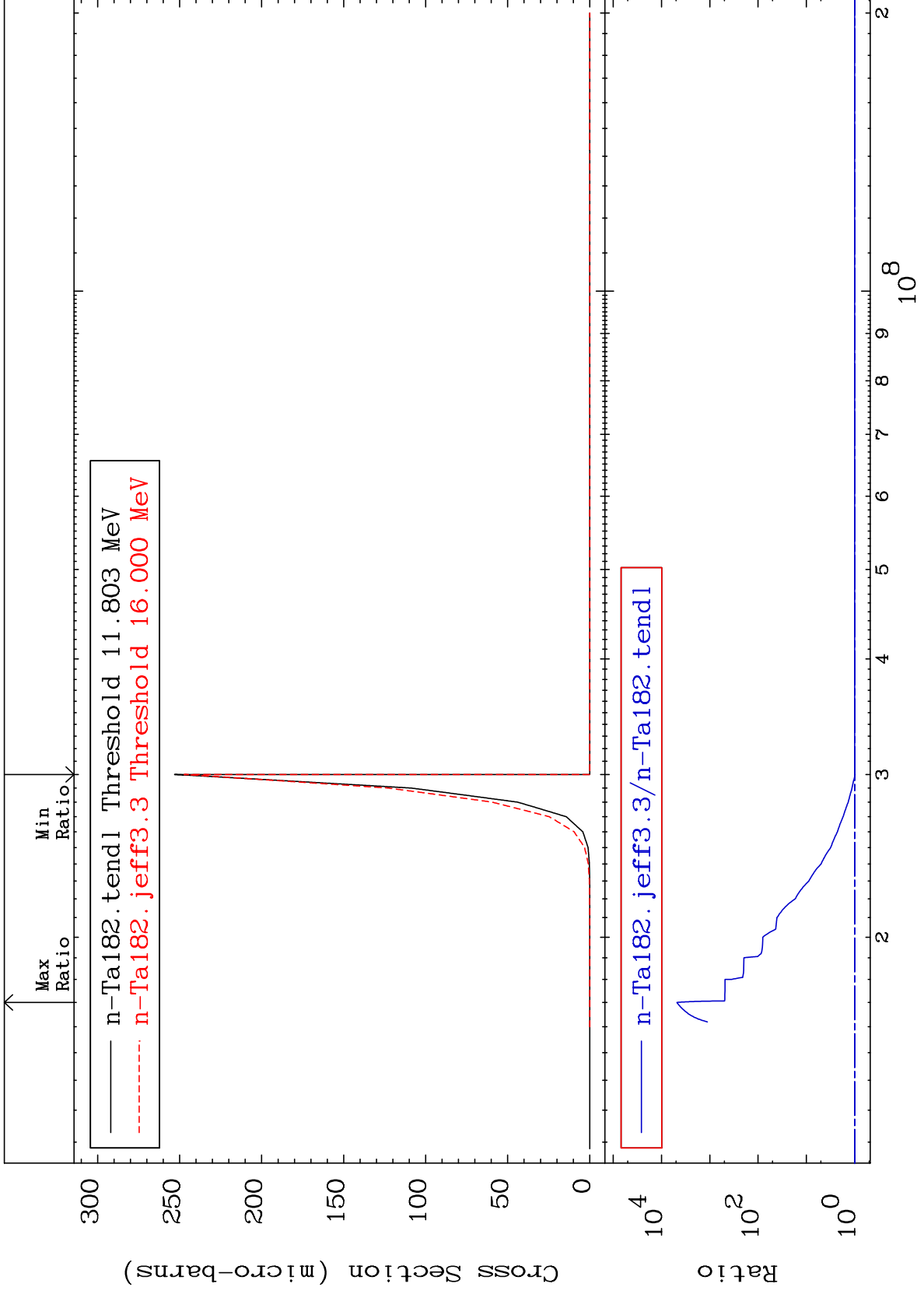


MAT 7331

(n,3n) α : 71-Lu-176m1

73-Ta-182

Radionuclide Production Cross Section -2.345 To 9999. %



73

Incident Energy (eV)

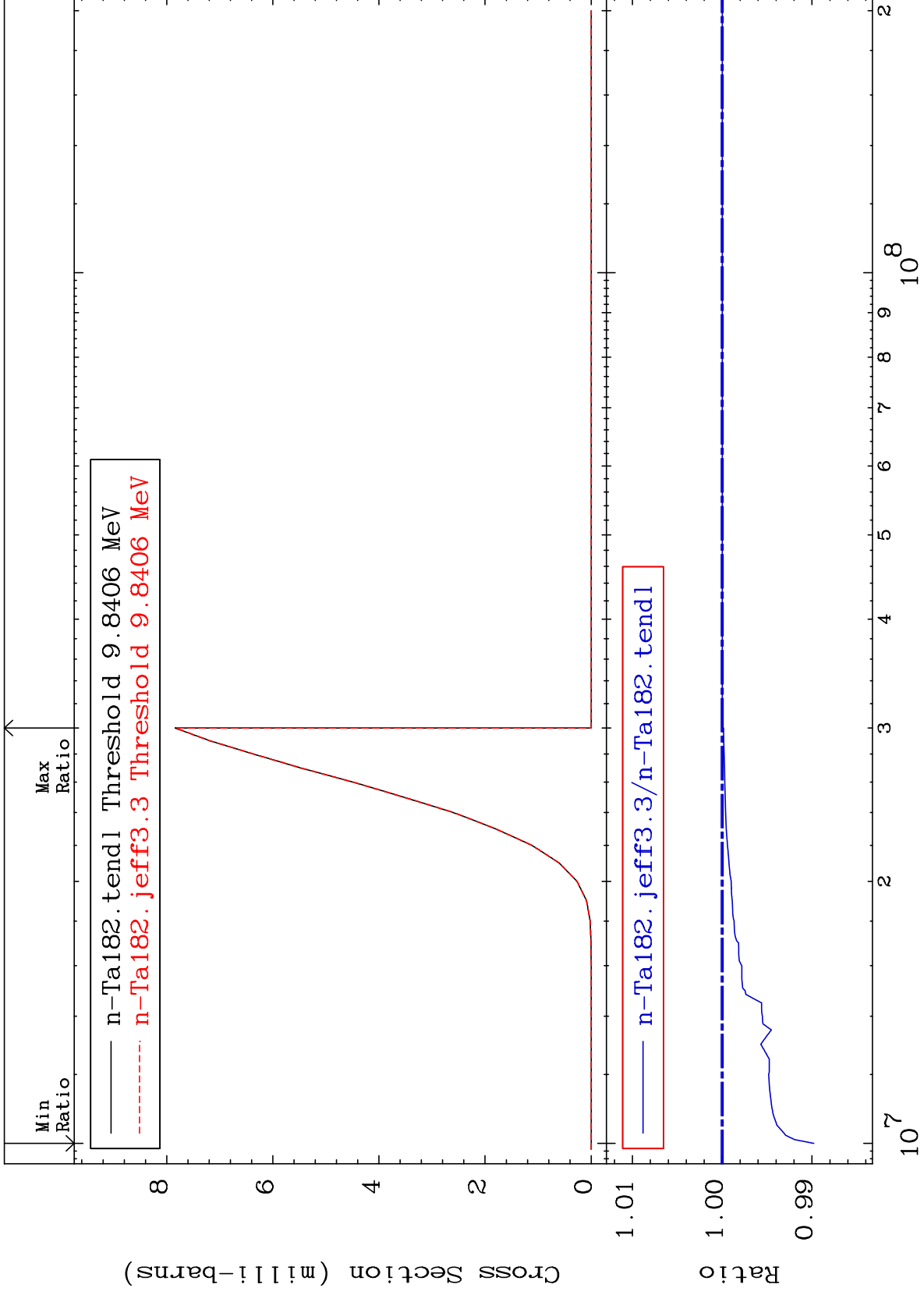
73-Ta-182

MAT 7331

(n, n') d: 72-Hf-180g

73-Ta-182

Radionuclide Production Cross Section -1.020 To 0.000 %

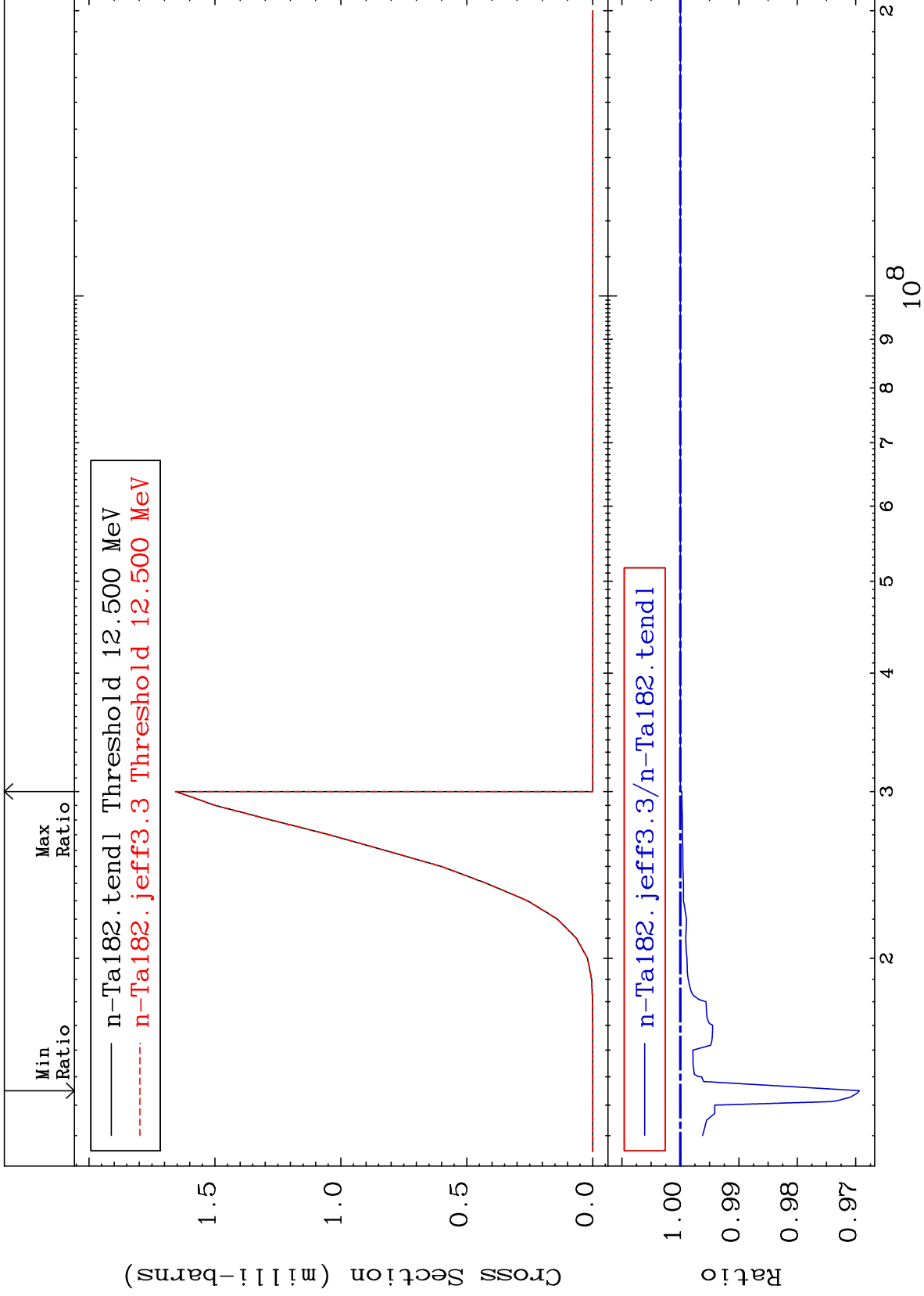


74

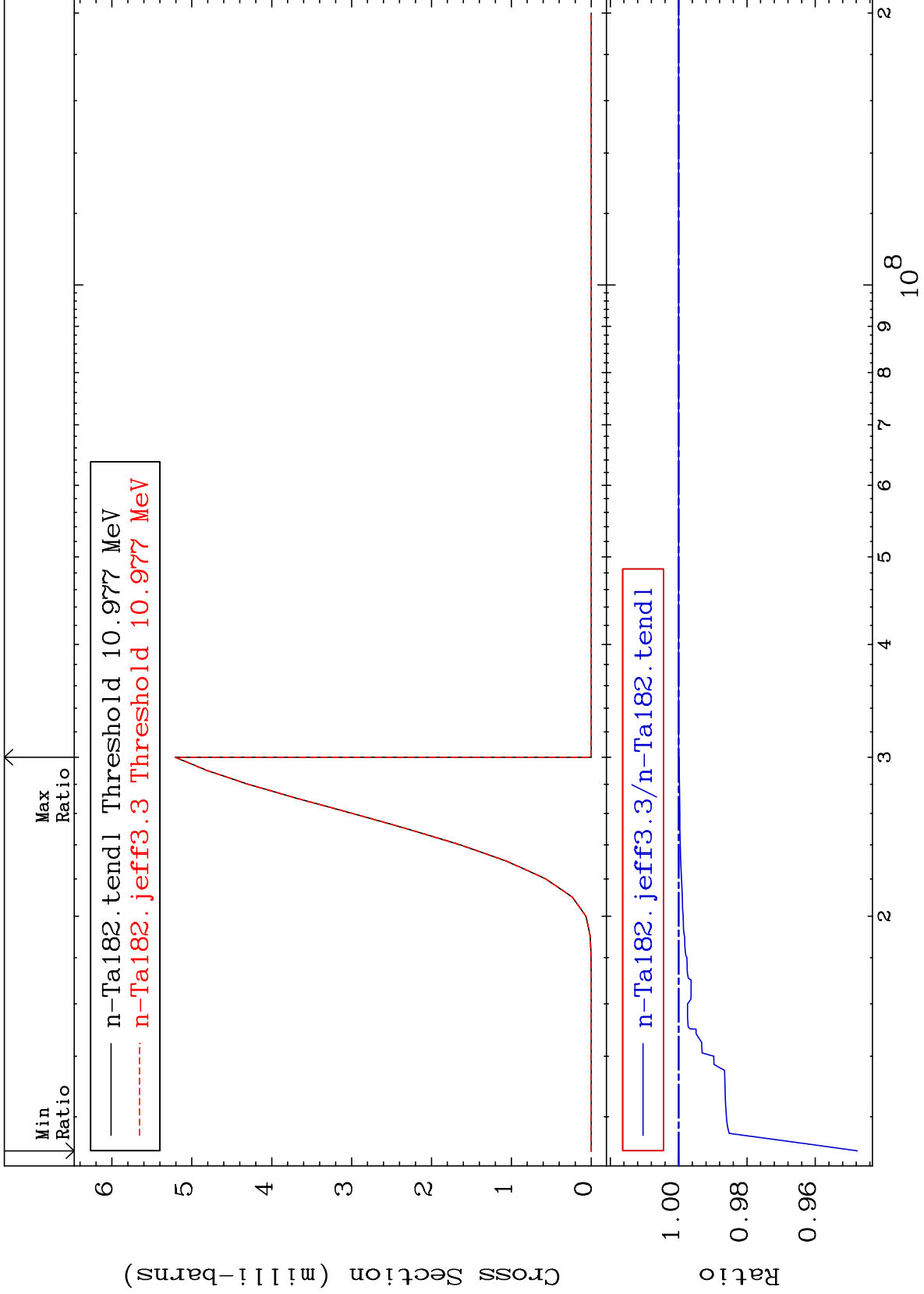
Incident Energy (eV)

73-Ta-182

Radionuclide Production Cross Section -3.063 To 0.000 %



Radionuclide Production Cross Section -5.228 To 0.000 %

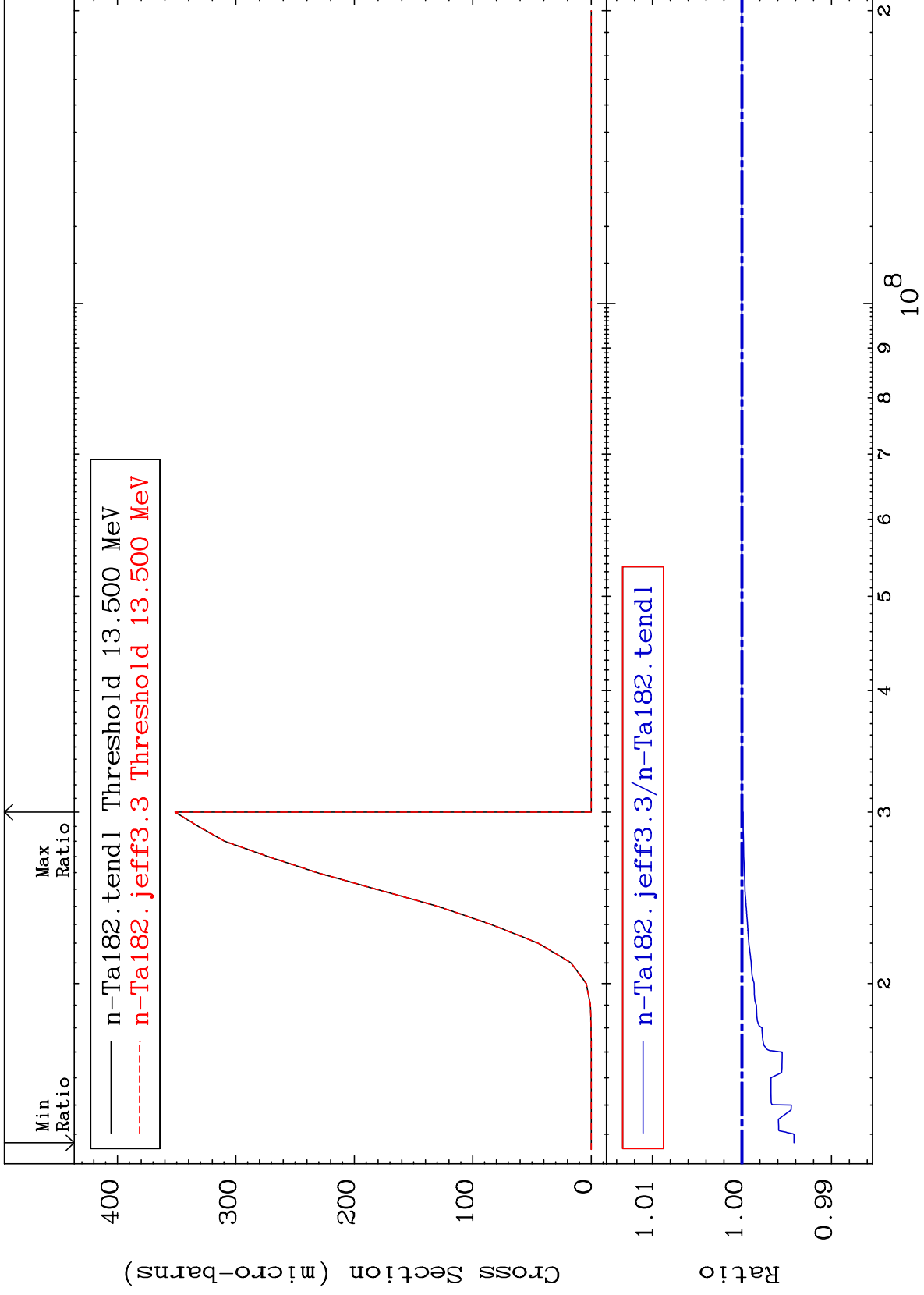


MAT 7331

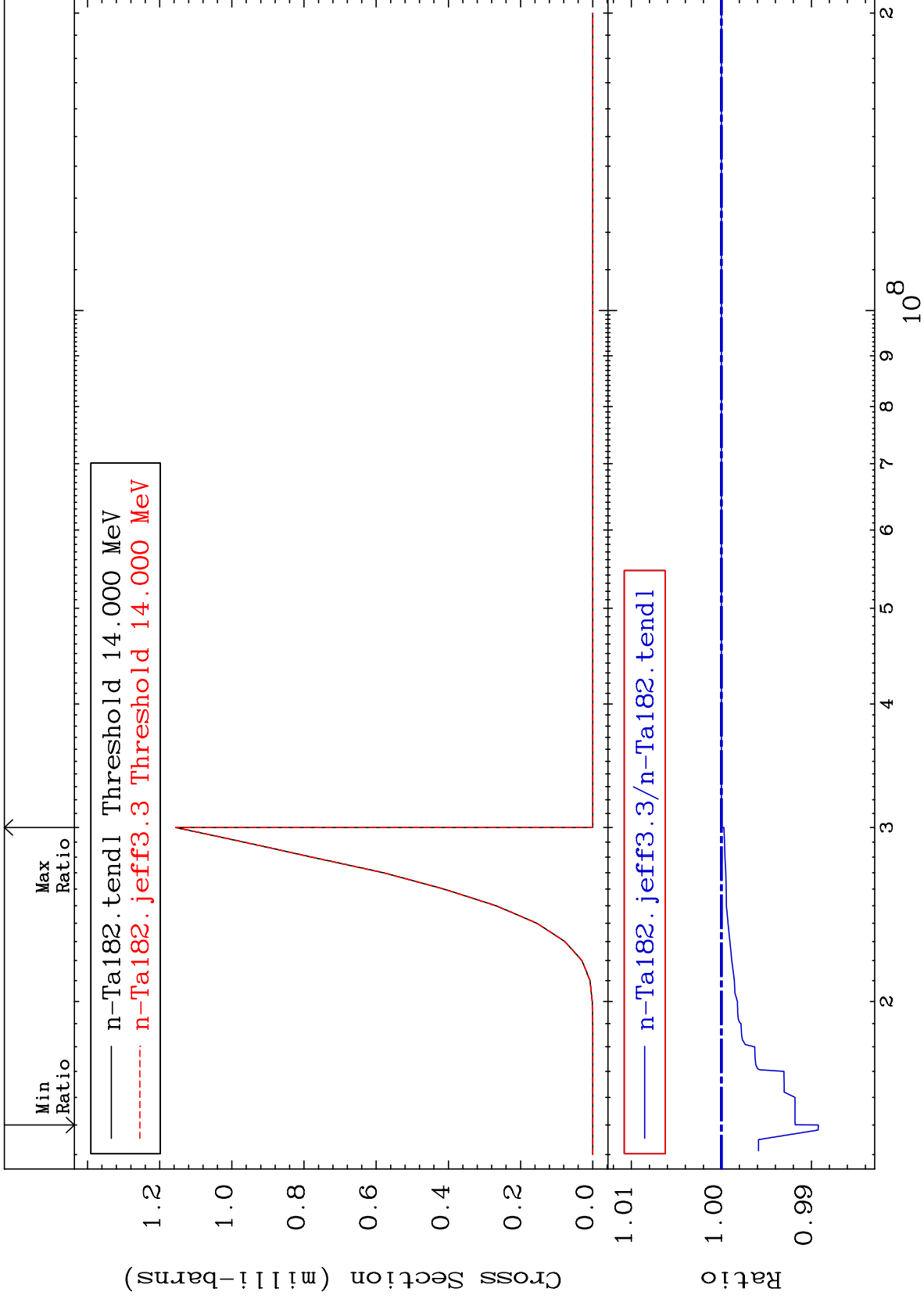
(n, n') t: 72-Hf-179m5

73-Ta-182

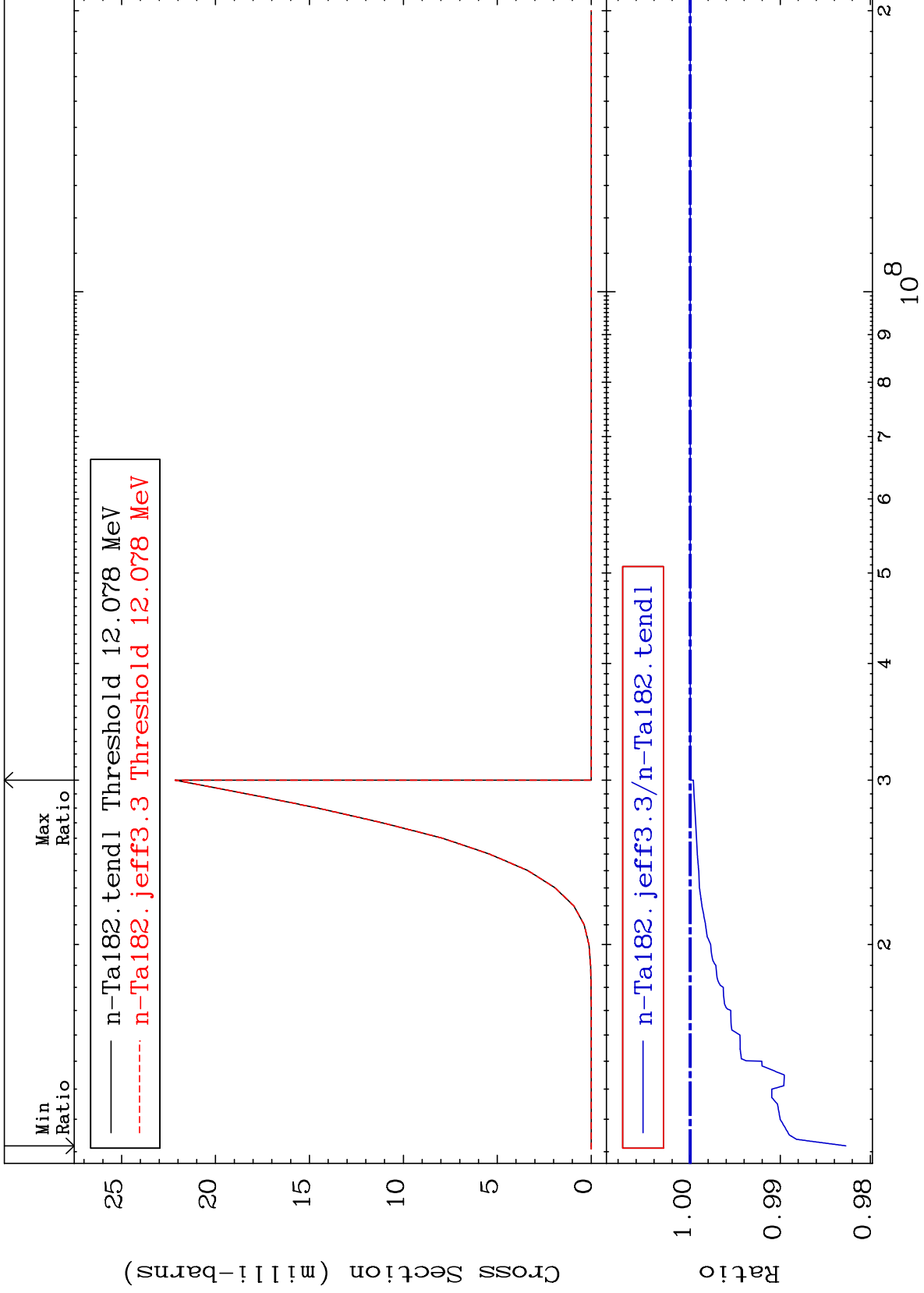
Radionuclide Production Cross Section -0.581 To 0.000 %



Radionuclide Production Cross Section -1.077 To 0.000 %



Radionuclide Production Cross Section -1.727 To 0.000 %

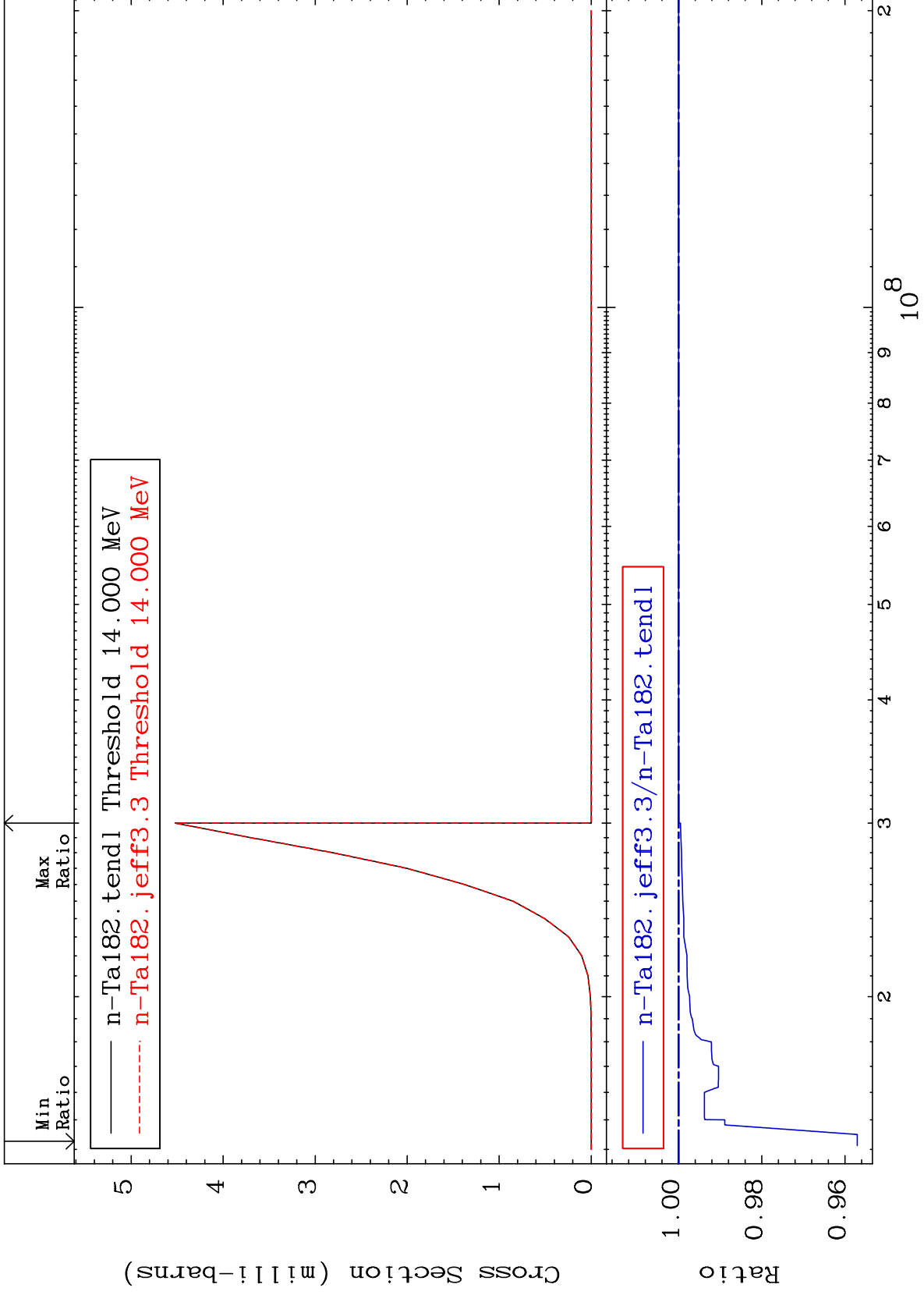


MAT 7331

(n,2n) p:72-Hf-180m7

73-Ta-182

Radionuclide Production Cross Section -4.296 To 0.000 %

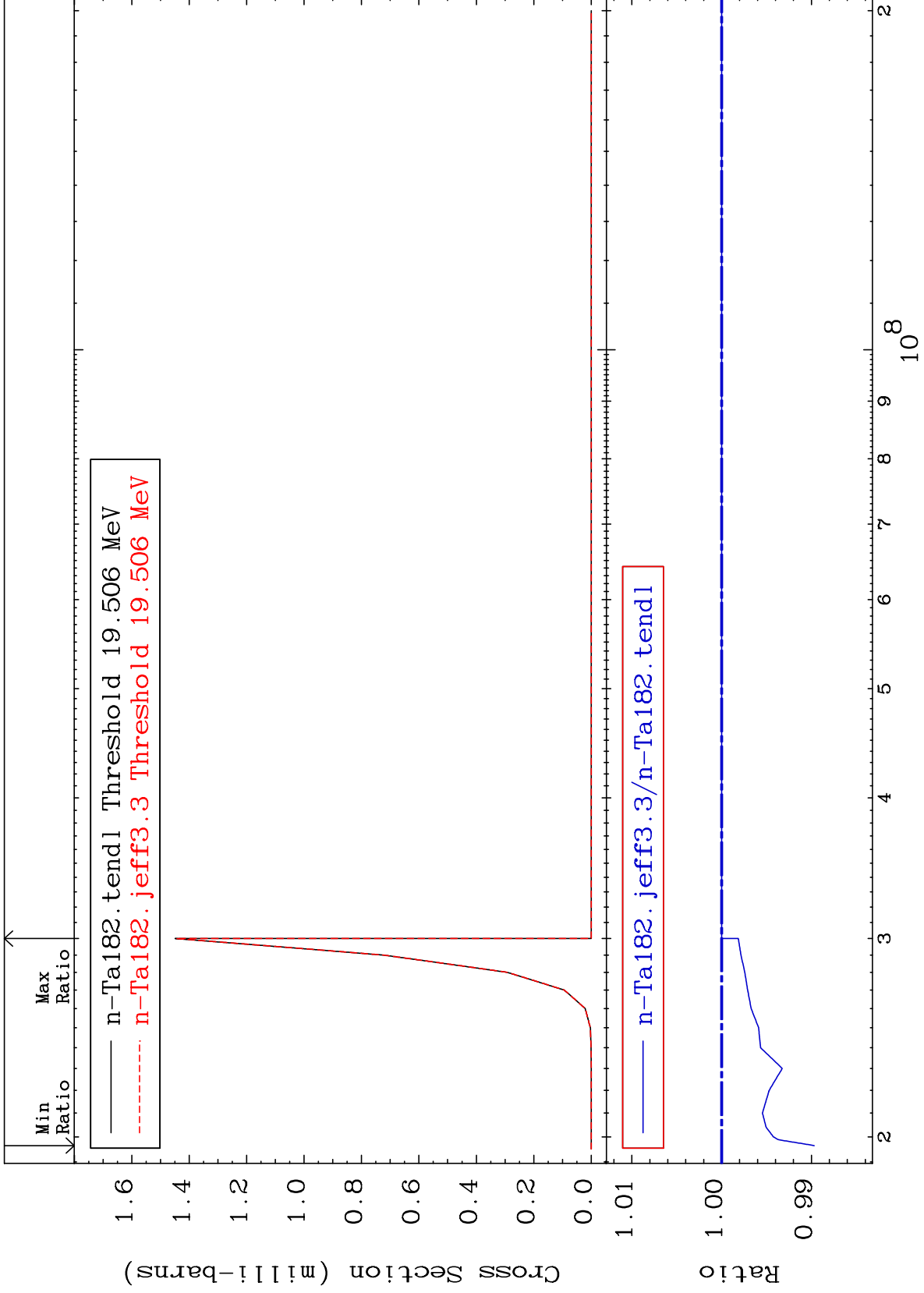


80

Incident Energy (eV)

73-Ta-182

Radionuclide Production Cross Section -1.032 To 0.000 %

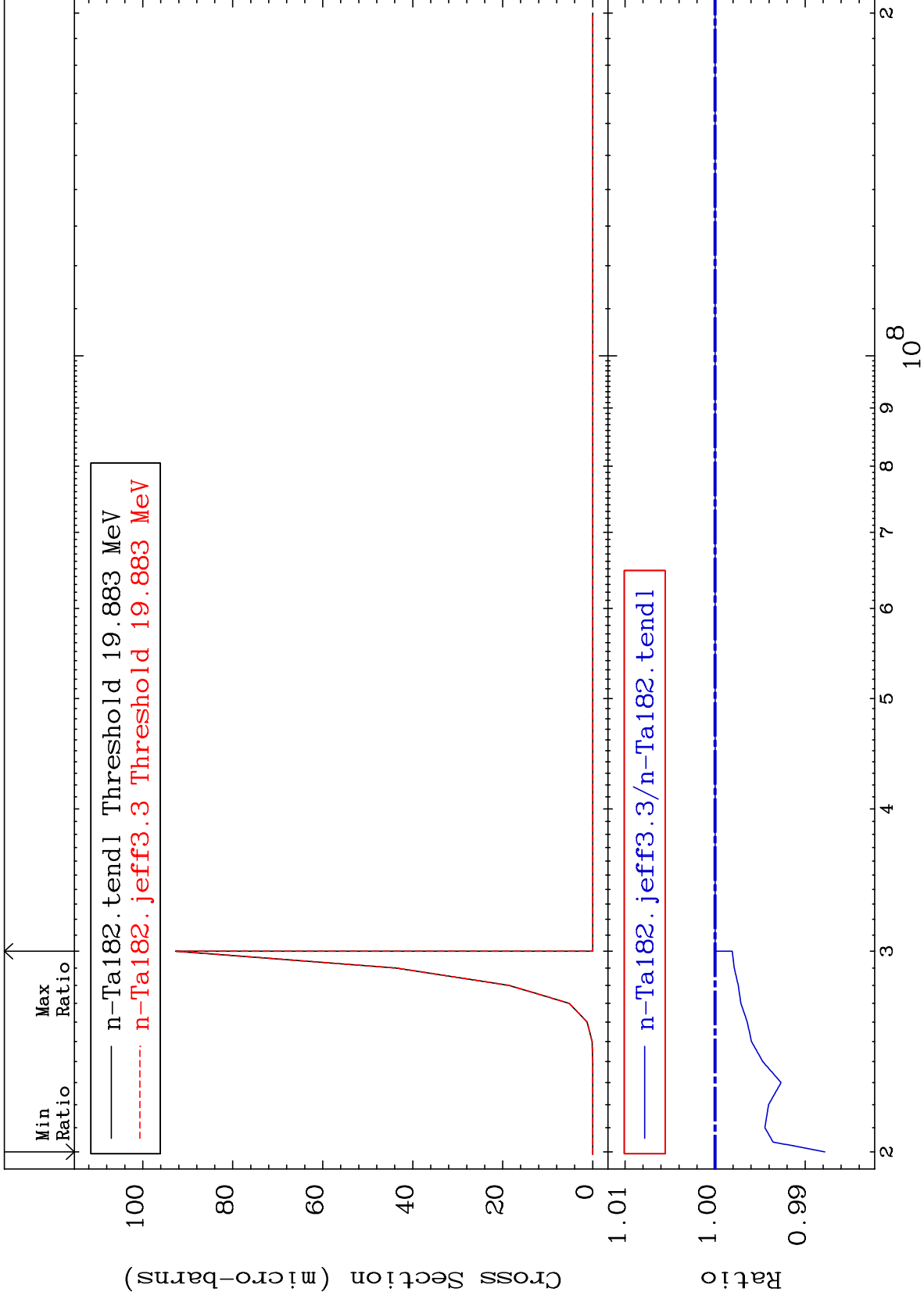


MAT 7331

(n,3n) p:72-Hf-179m5

73-Ta-182

Radionuclide Production Cross Section -1.218 To 0.000 %

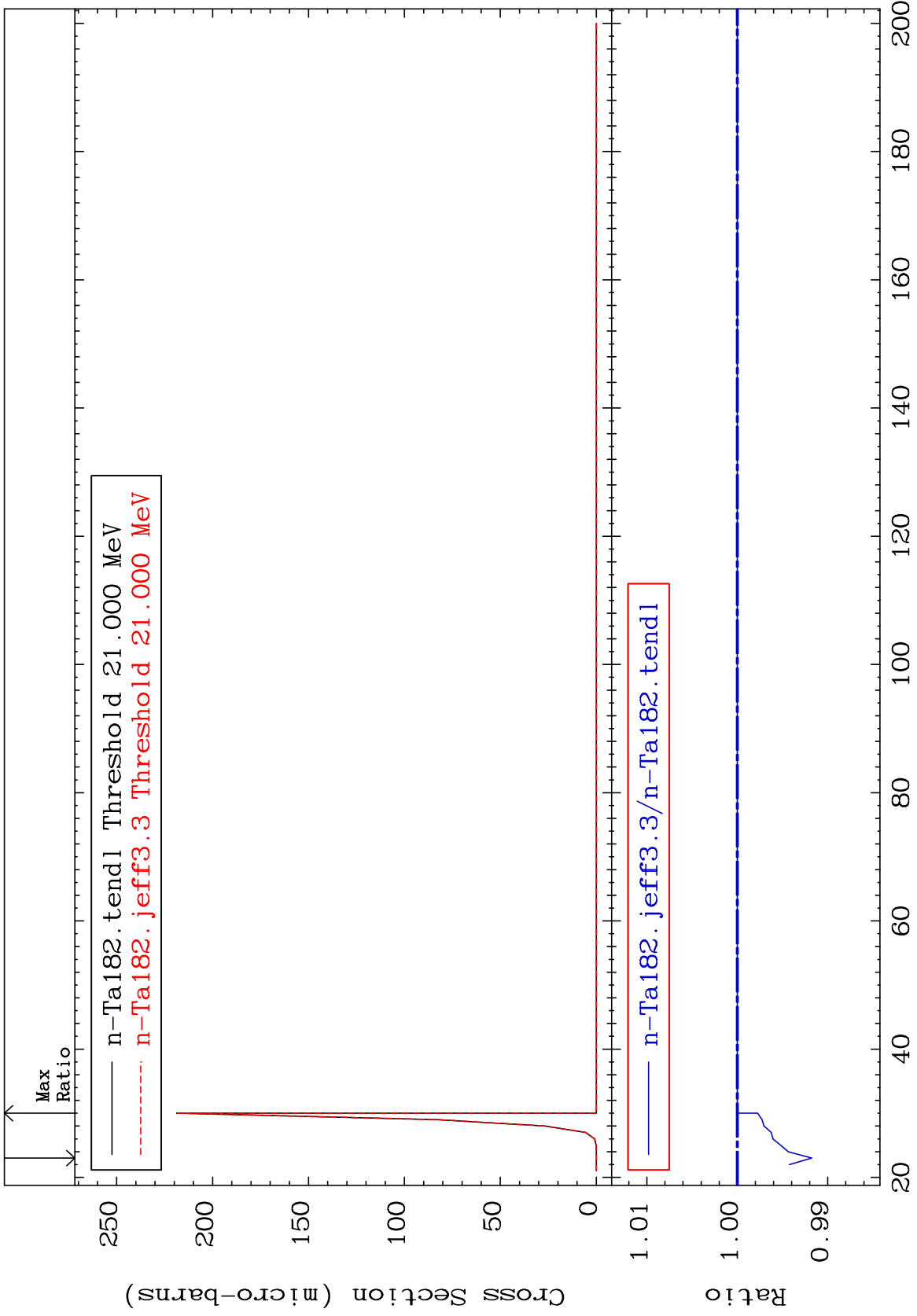


MAT 7331

(n,3n) p:72-Hf-179m10

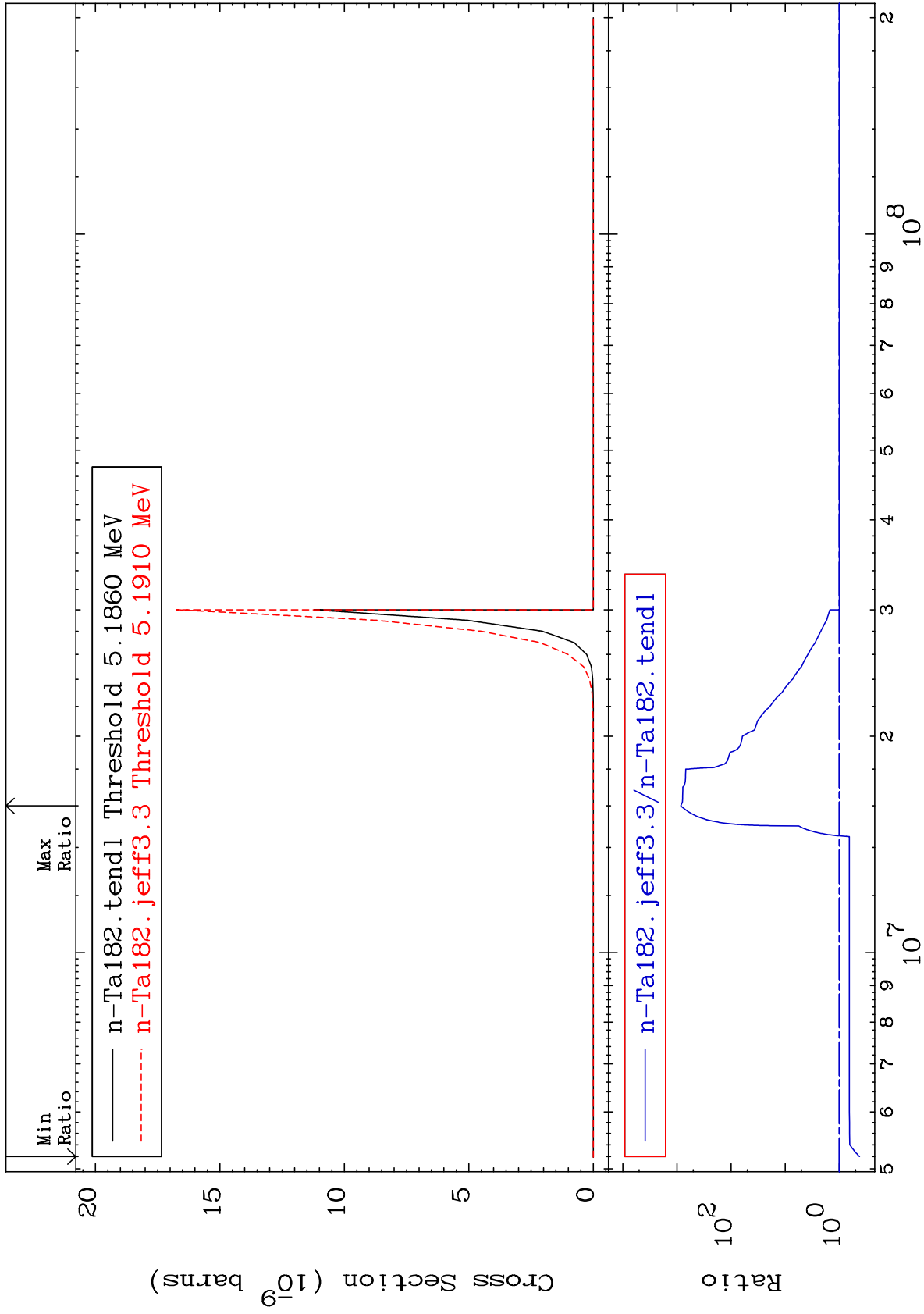
73-Ta-182

Radionuclide Production Cross Section -0.824 To 0.000 %



MAT 7331

(n, n') p α : 70-Yb-177g 73-Ta-182
Radionuclide Production Cross Section -57.57 To 9999. %

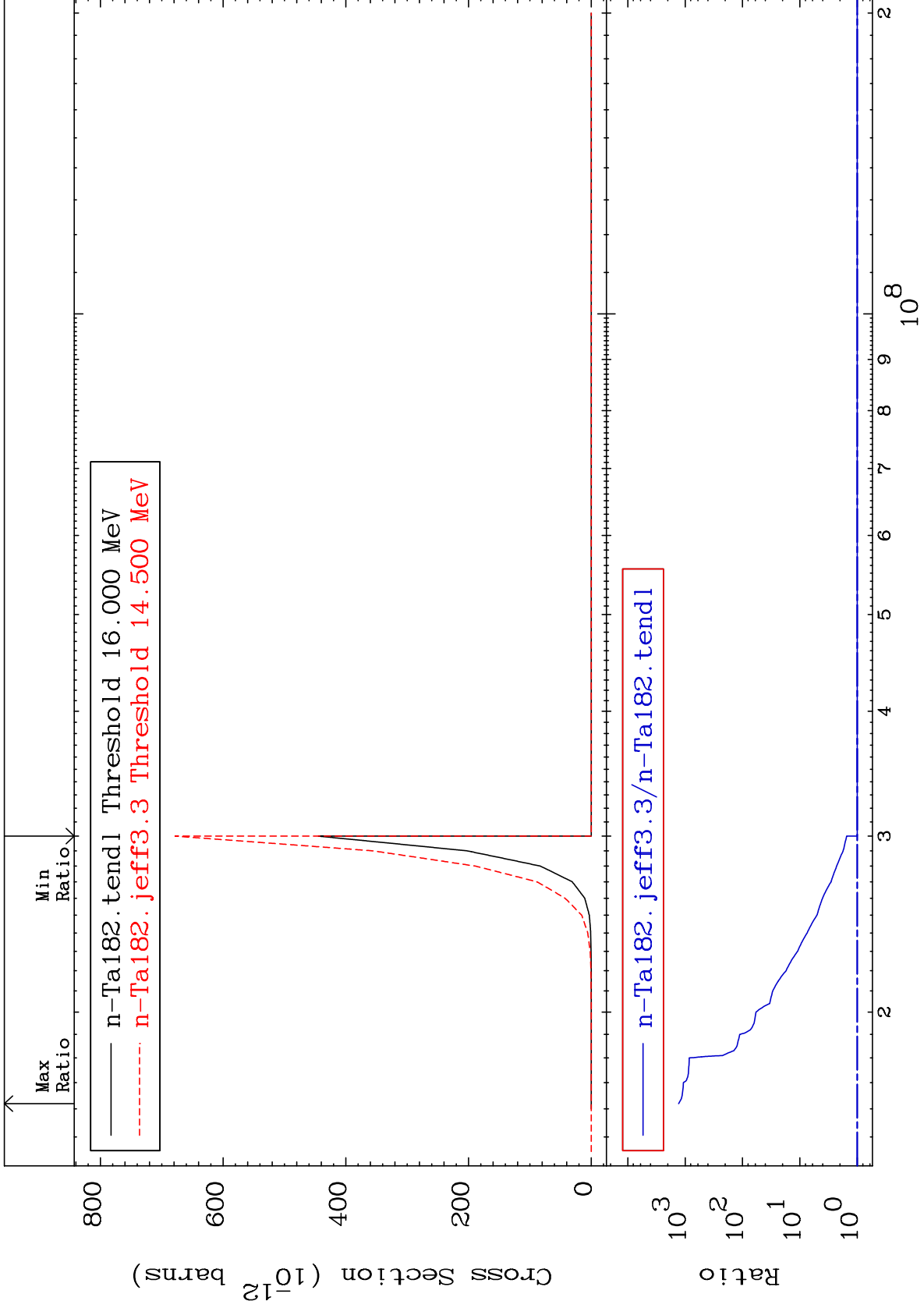


MAT 7331

(n, n') p α :70-Yb-177m6

73-Ta-182

Radionuclide Production Cross Section 0.000 To 9999. %

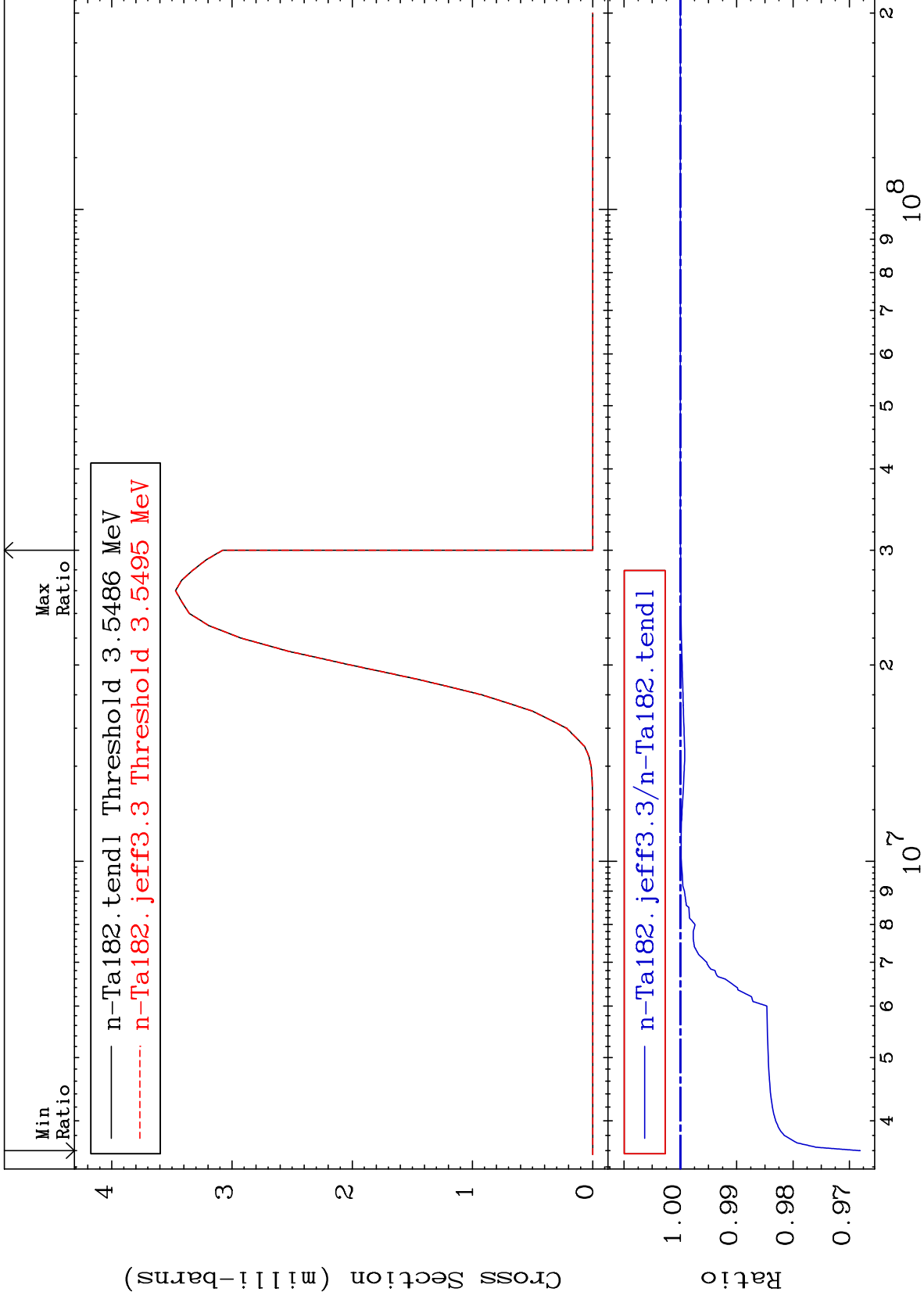


MAT 7331

(n, t) : 72-Hf-180g

73-Ta-182

Radionuclide Production Cross Section -3.178 To 0.000 %



MAT 7331

(n, t) : 72-Hf-180m7

73-Ta-182

Radionuclide Production Cross Section -0.998 To 0.000 %

