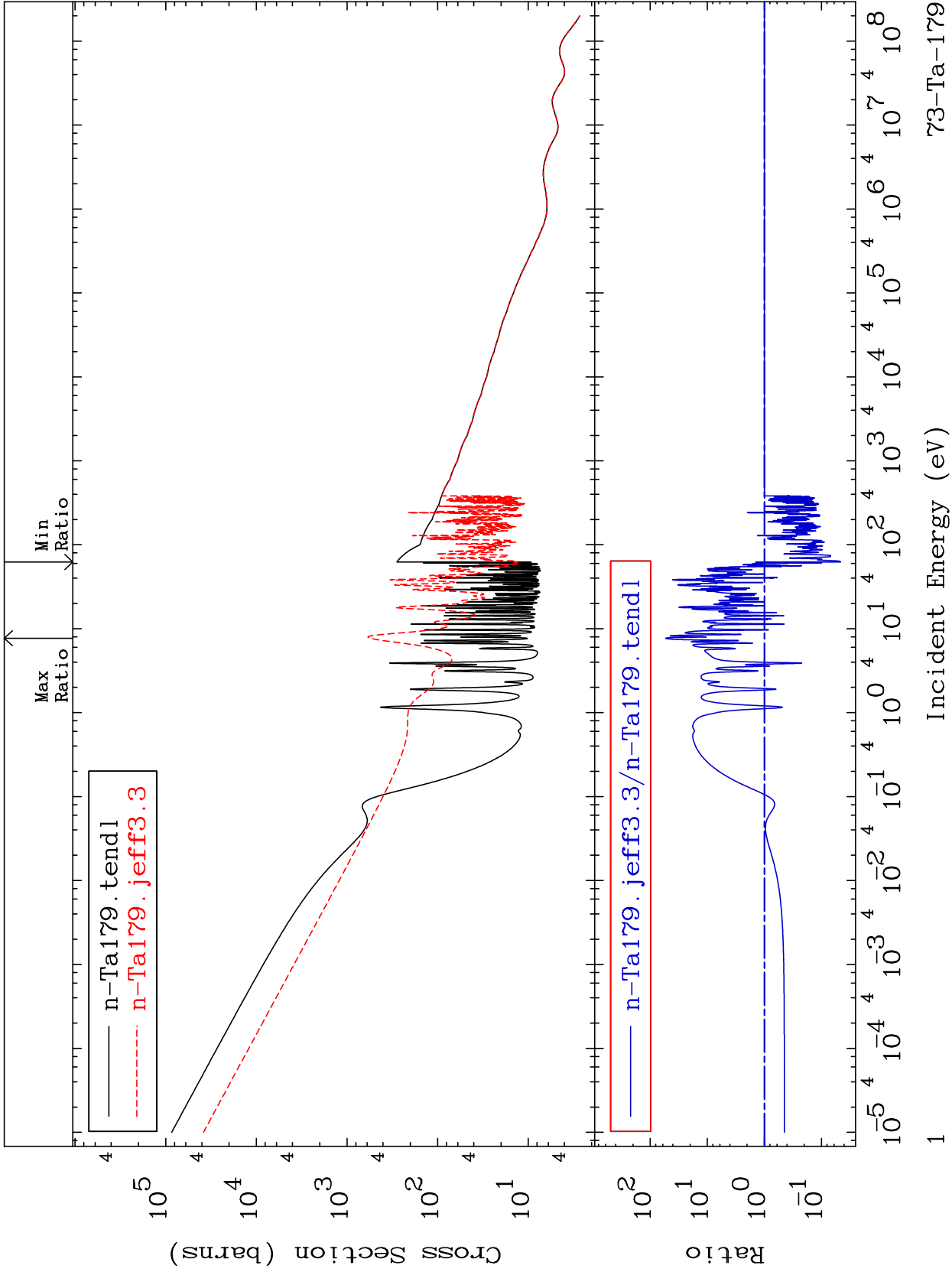


MAT 7322

73-Ta-179
-95.40 To 5284. %

Total
Cross Section

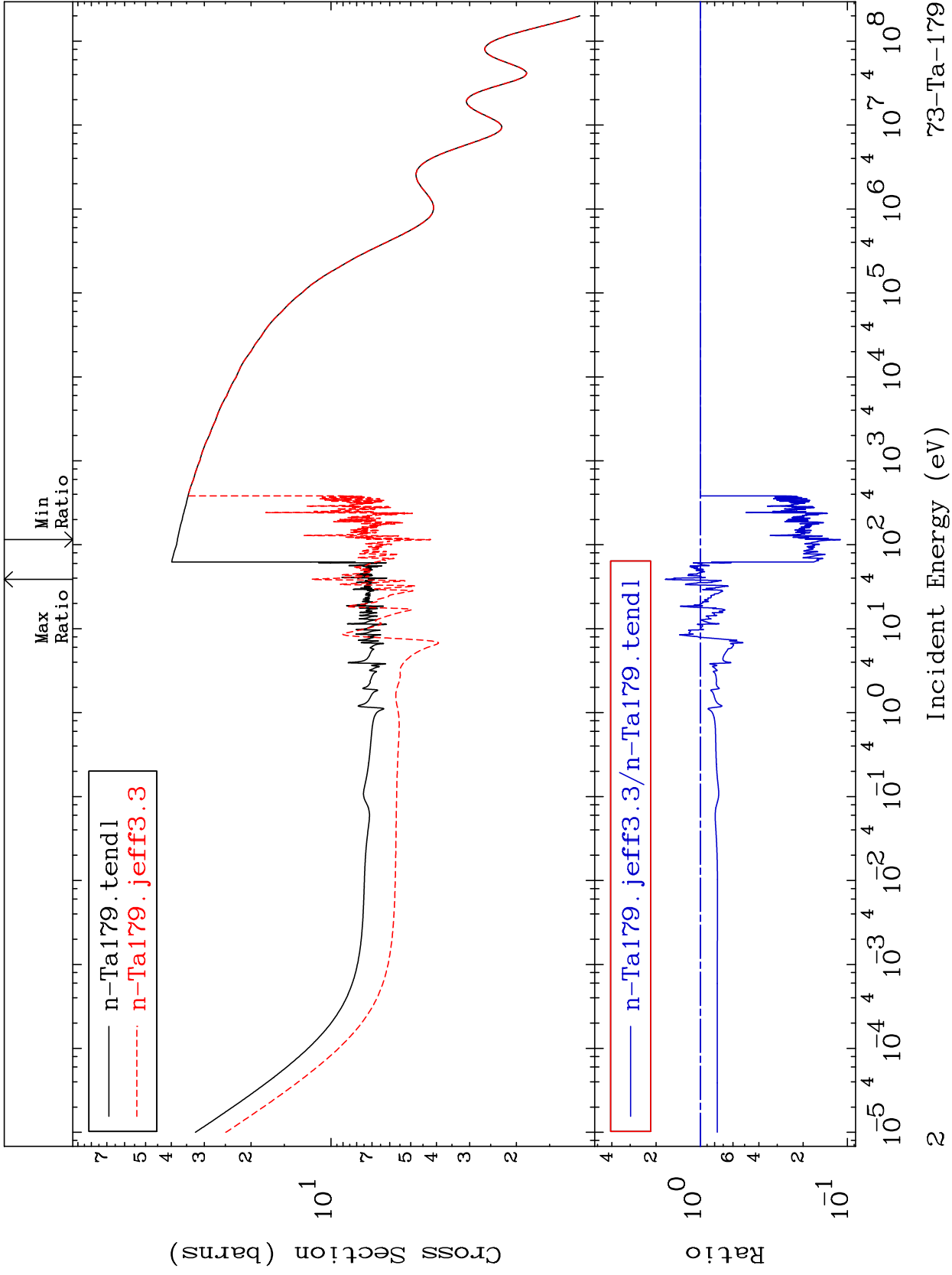


73-Ta-179

Incident Energy (eV)

MAT 7322

Elastic Cross Section
73-Ta-179
-88.88 To 72.47 %

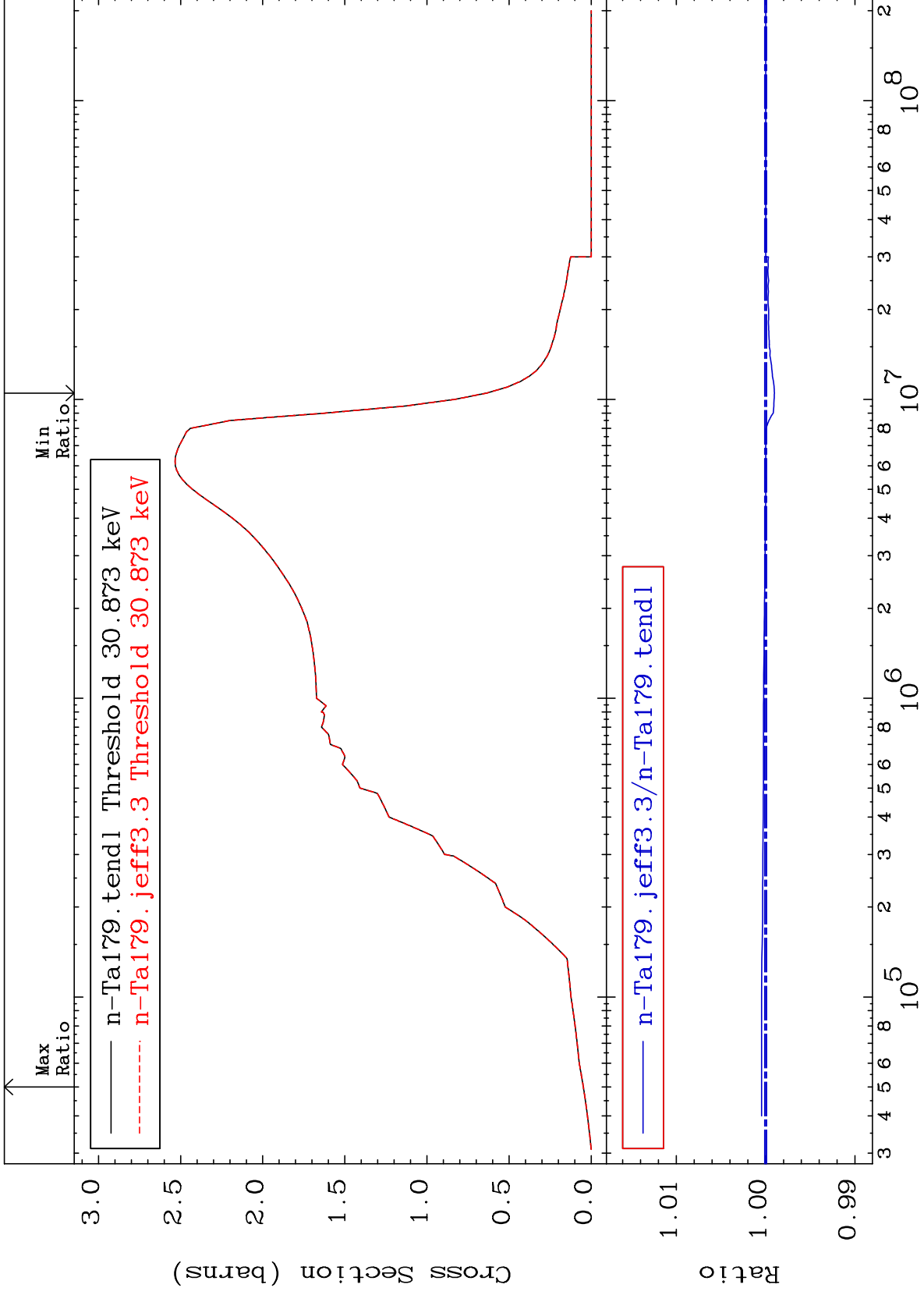


73-Ta-179

MAT 7322

Inelastic
Cross Section

⁷³Ta-¹⁷⁹Ta
-0.098 To 0.047 %



3

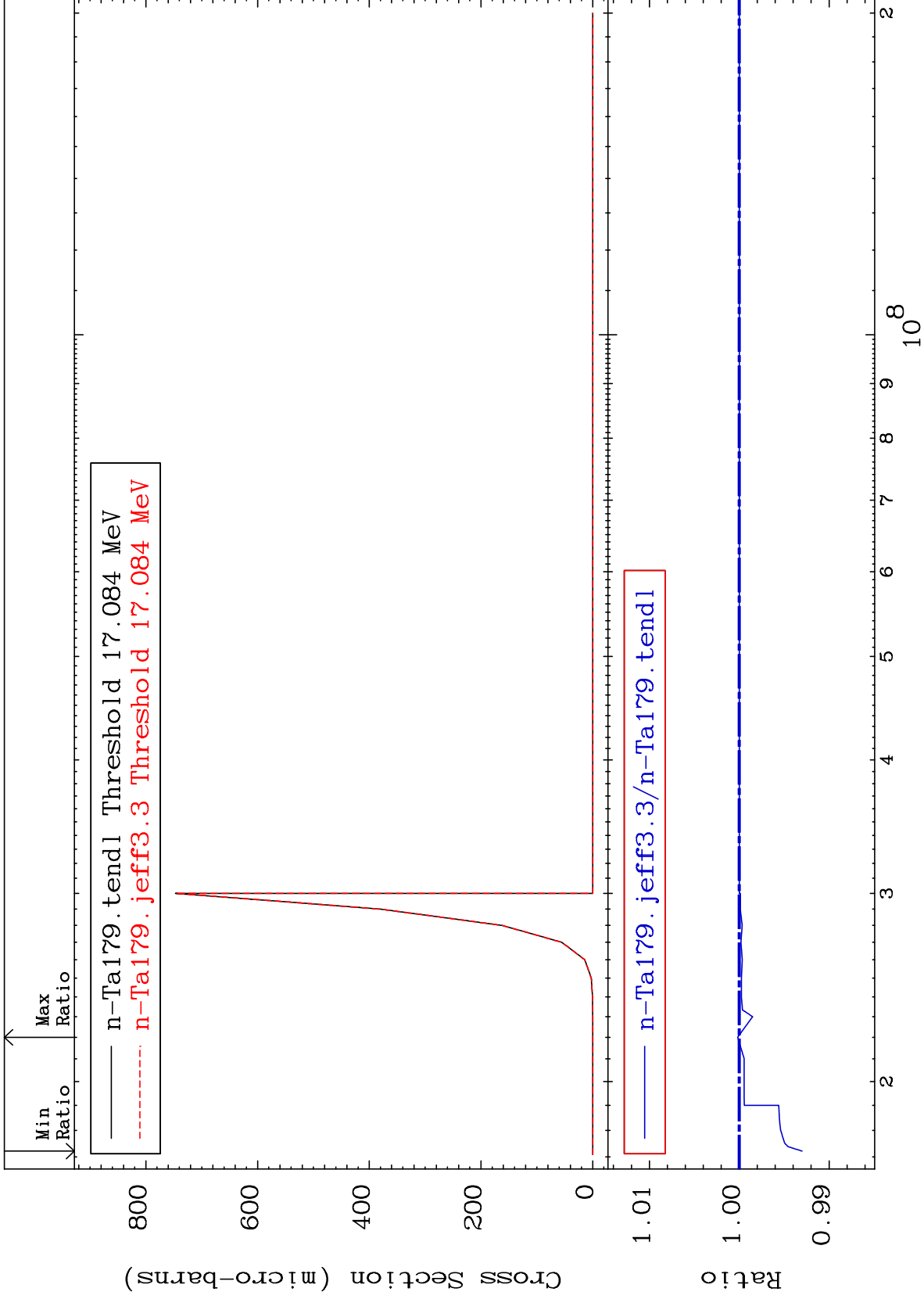
Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

MAT 7322

(n,2n) d
Cross Section

⁷³Ta-¹⁷⁹Ta
-0.700 To 0.017 %



MAT 7322

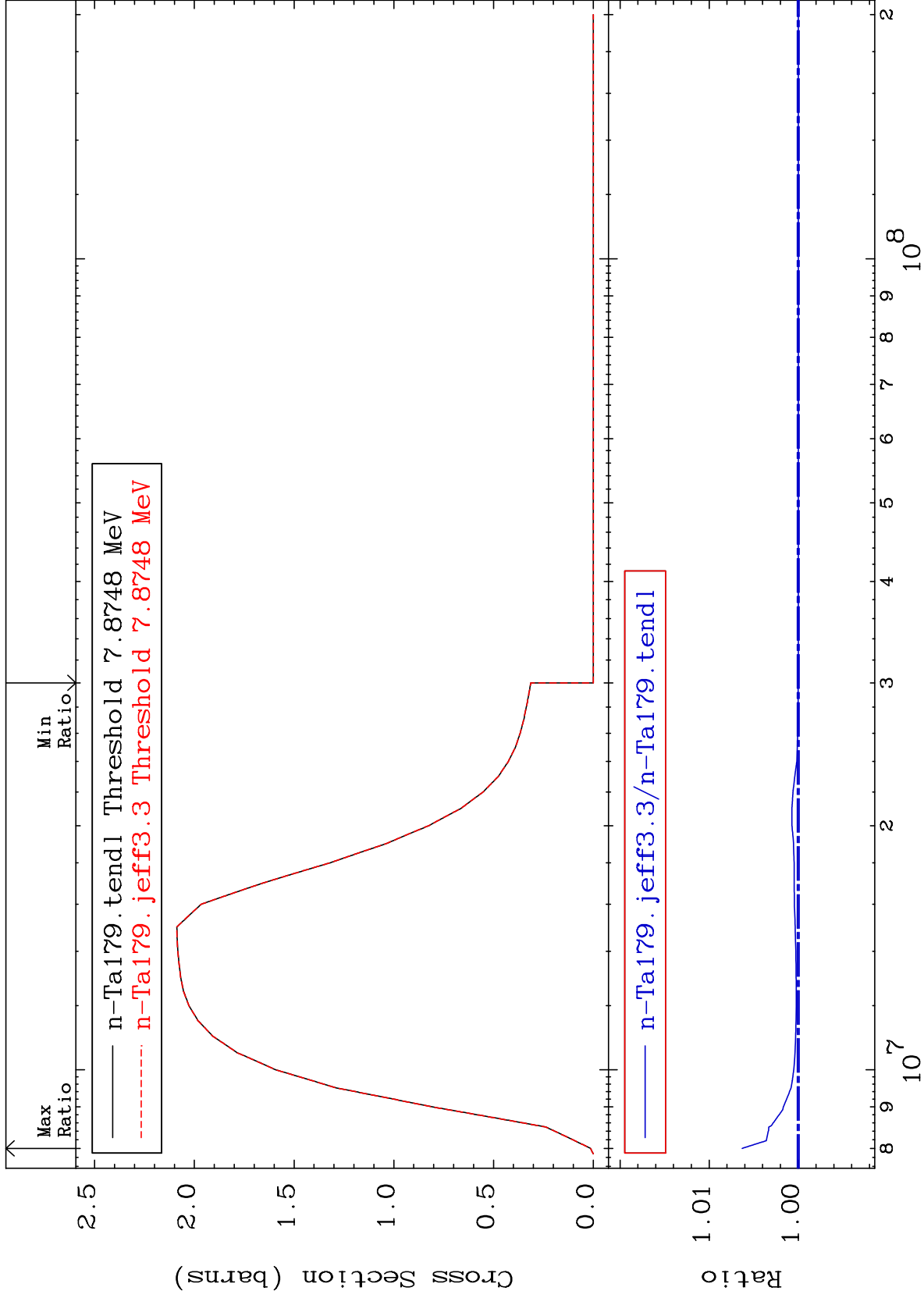
(n,2n)

⁷³Ta-179

Cross Section

0.000

To 0.631 %



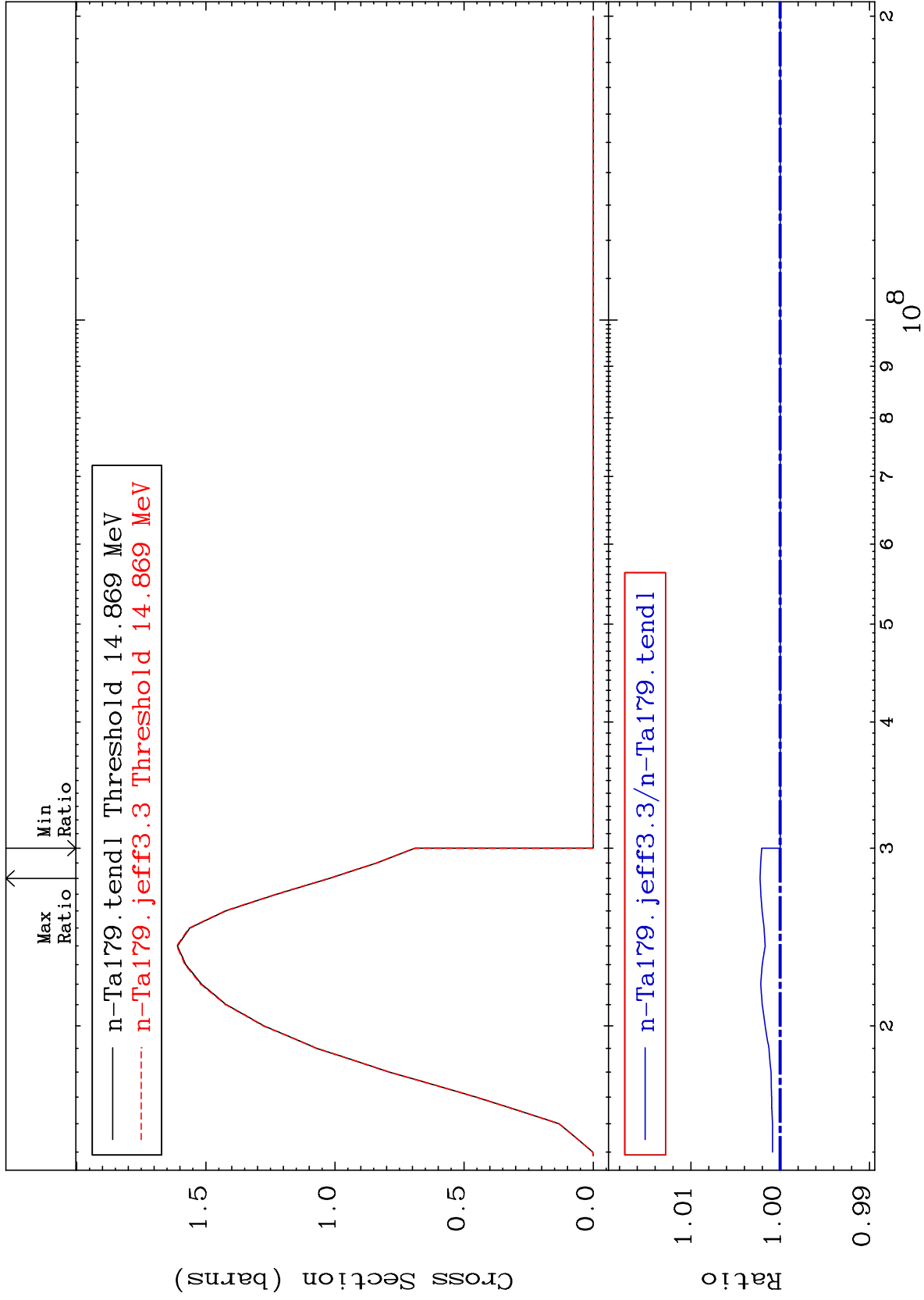
⁷³Ta-179

Incident Energy (eV)

5

MAT 7322

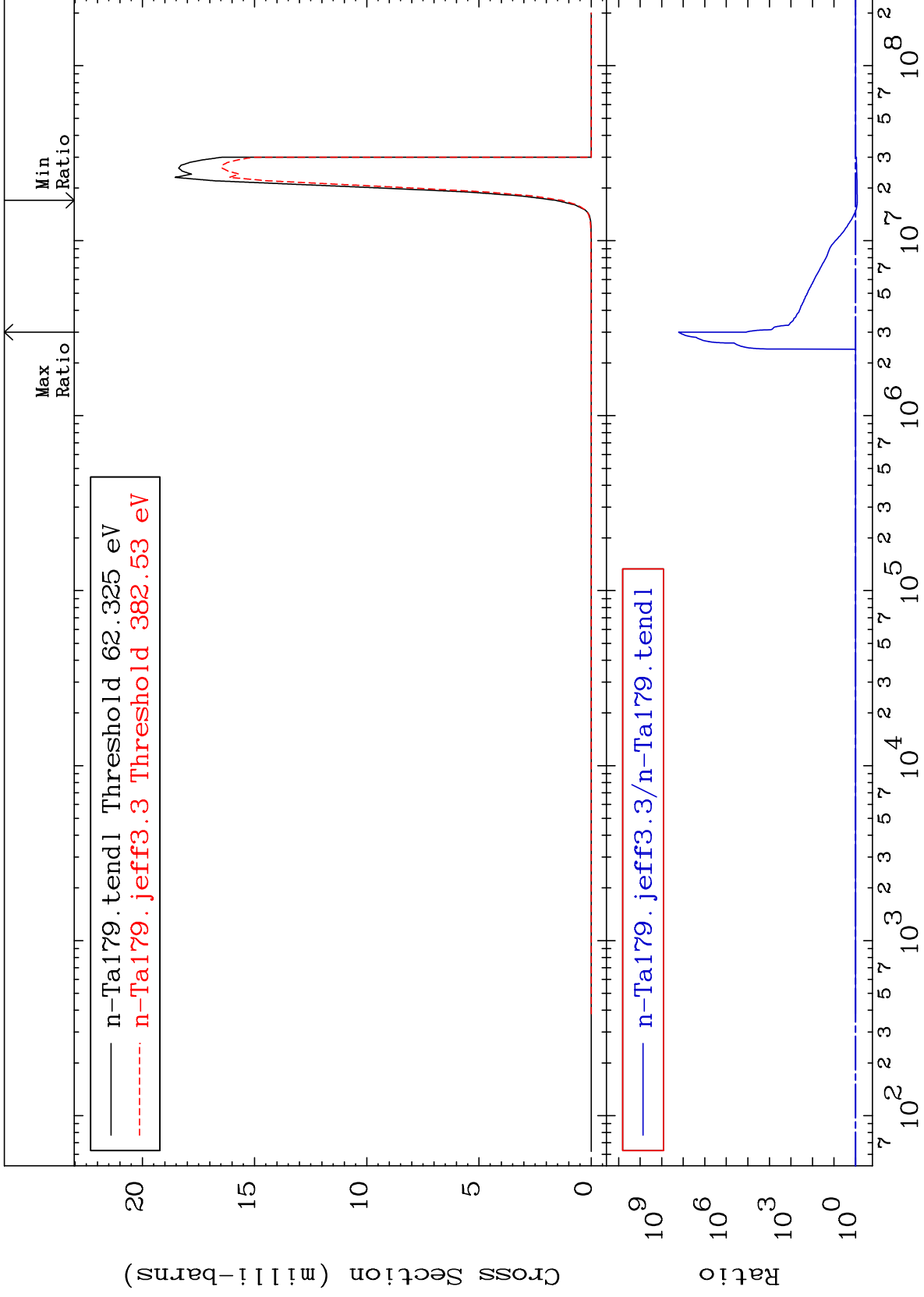
(n,3n) Cross Section
73-Ta-179
0.000 To 0.224 %



MAT 7322

(n, n') α
Cross Section

⁷³Ta-¹⁷⁹Ta
-16.69 To 9999. %



7

Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

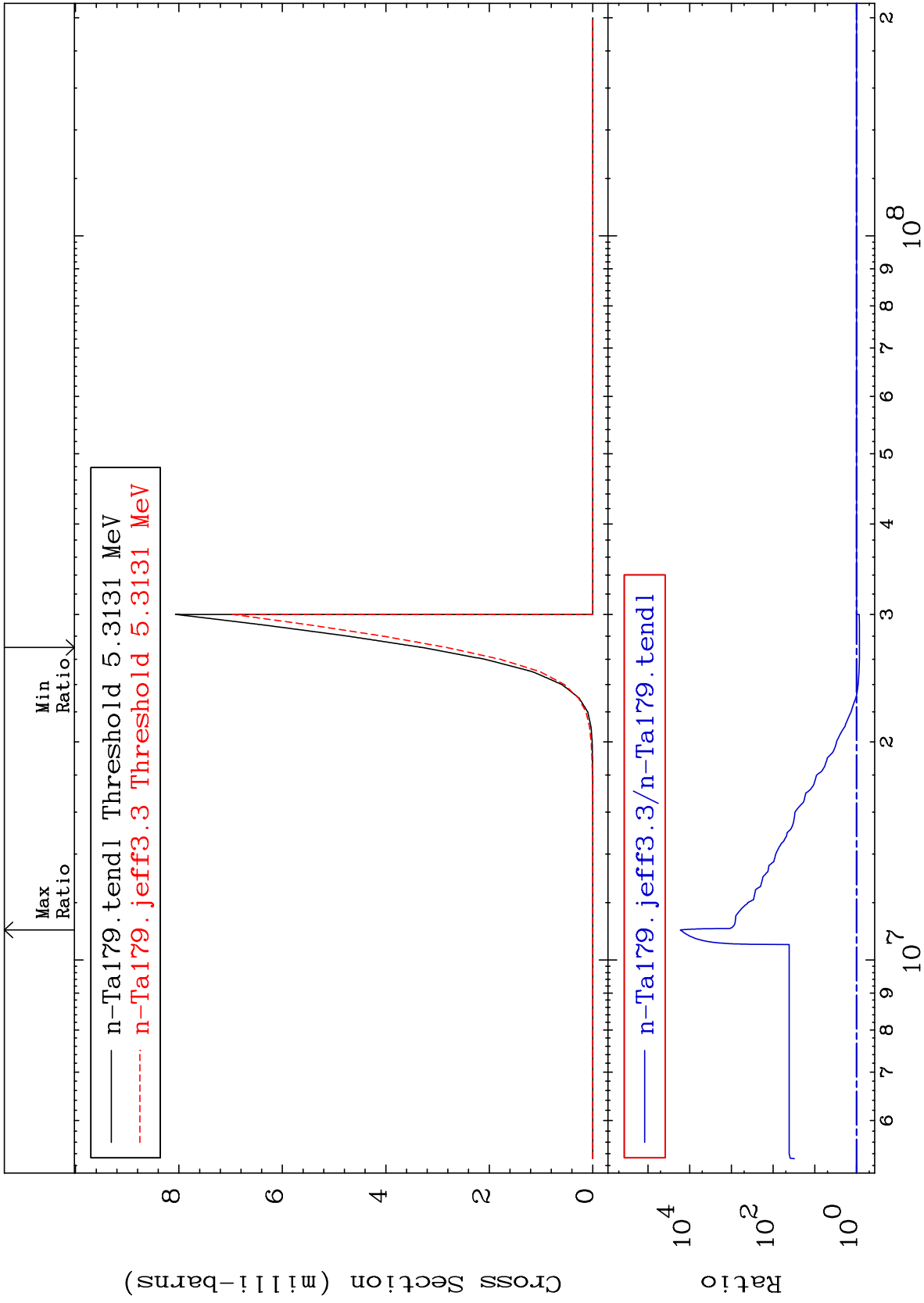
MAT 7322

(n,2n) α

⁷³Ta-179

Cross Section

-14.48 To 9999. %



8

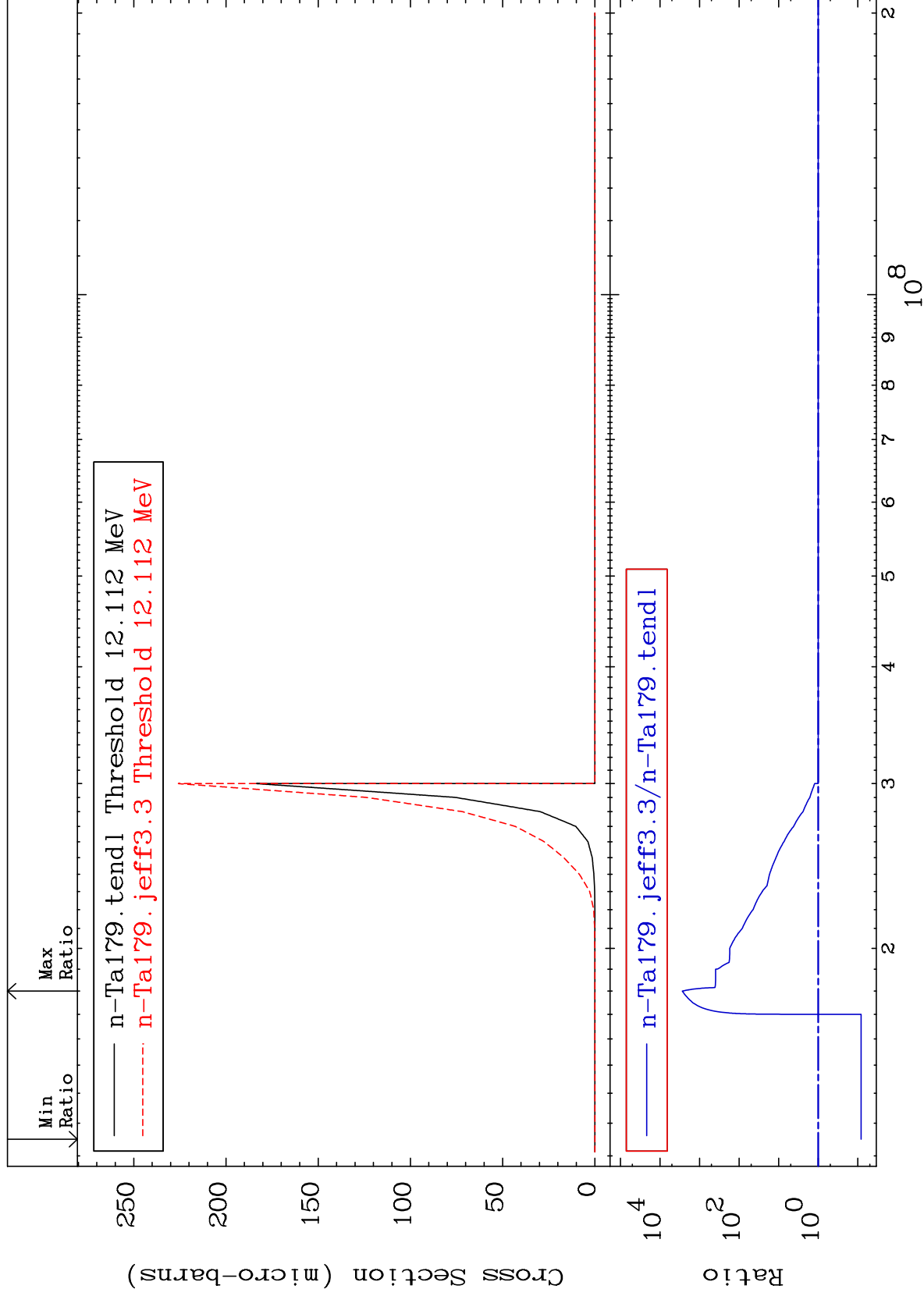
Incident Energy (eV)

⁷³Ta-179

MAT 7322

(n,3n) α
Cross Section

⁷³Ta-179
-91.72 To 9999. %

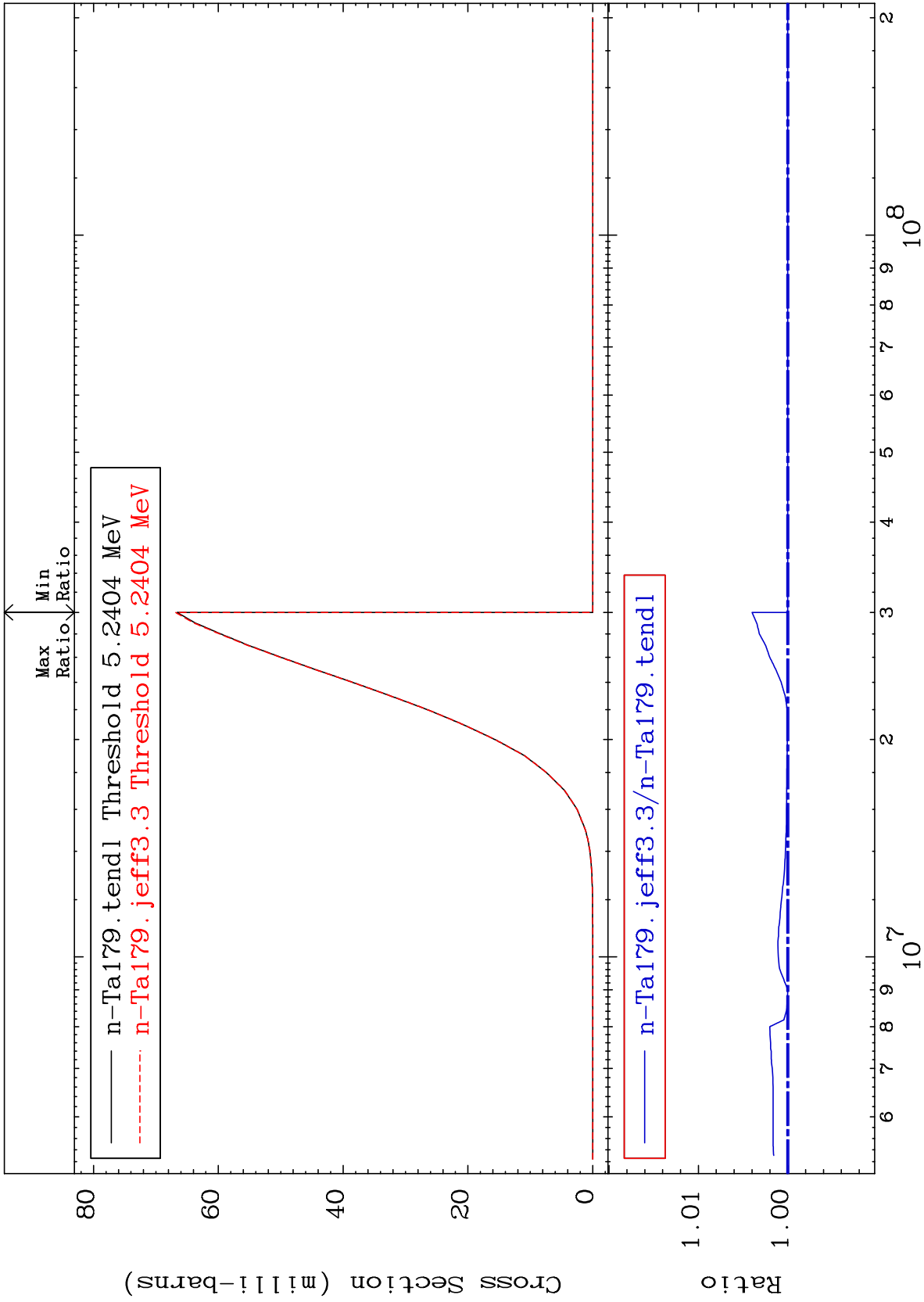


MAT 7322

$^{73}\text{Ta-179}$

(n, n') p
Cross Section

0.000 To 0.400 %



10

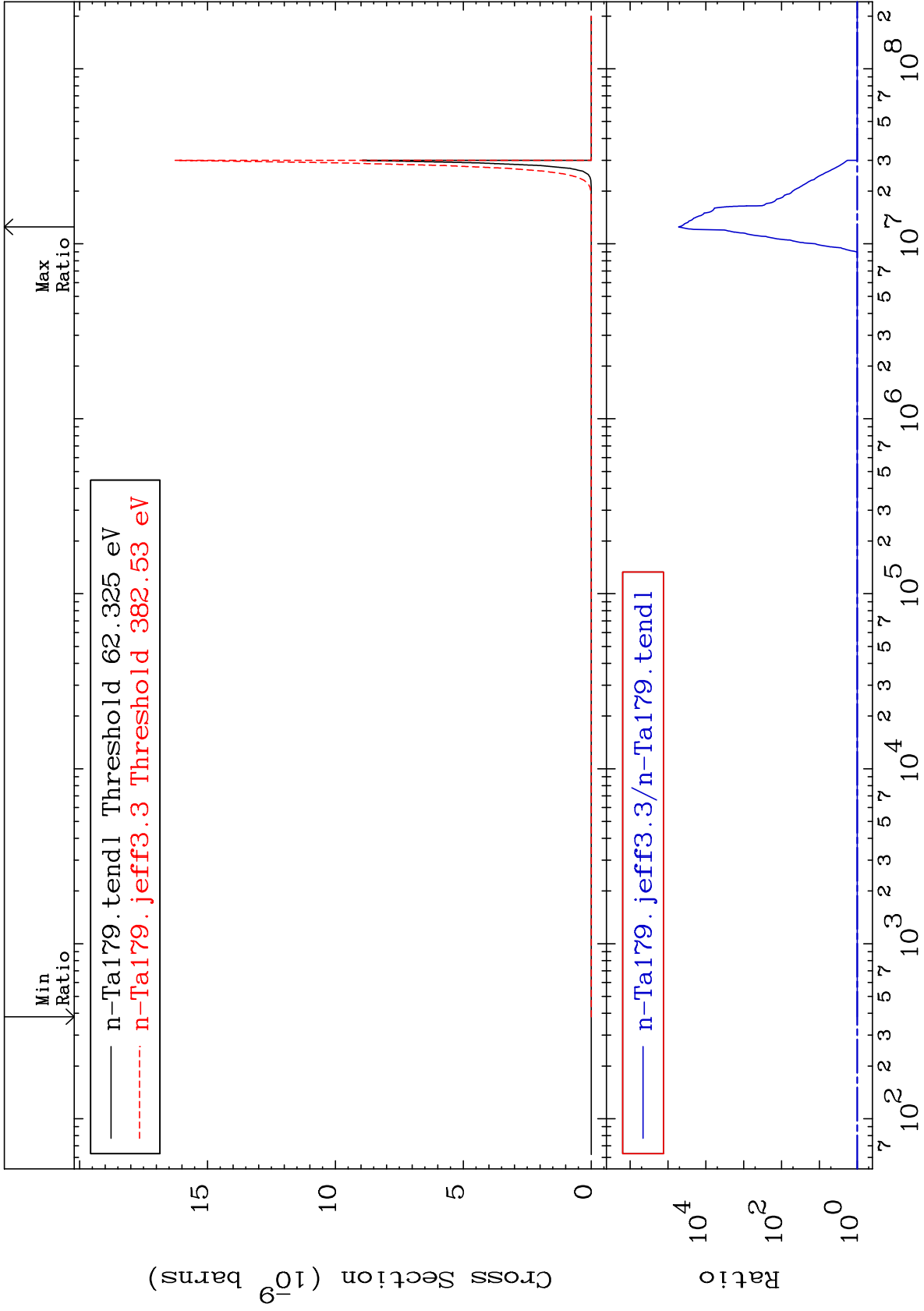
Incident Energy (eV)

$^{73}\text{Ta-179}$

MAT 7322

(n, n') 2α
Cross Section

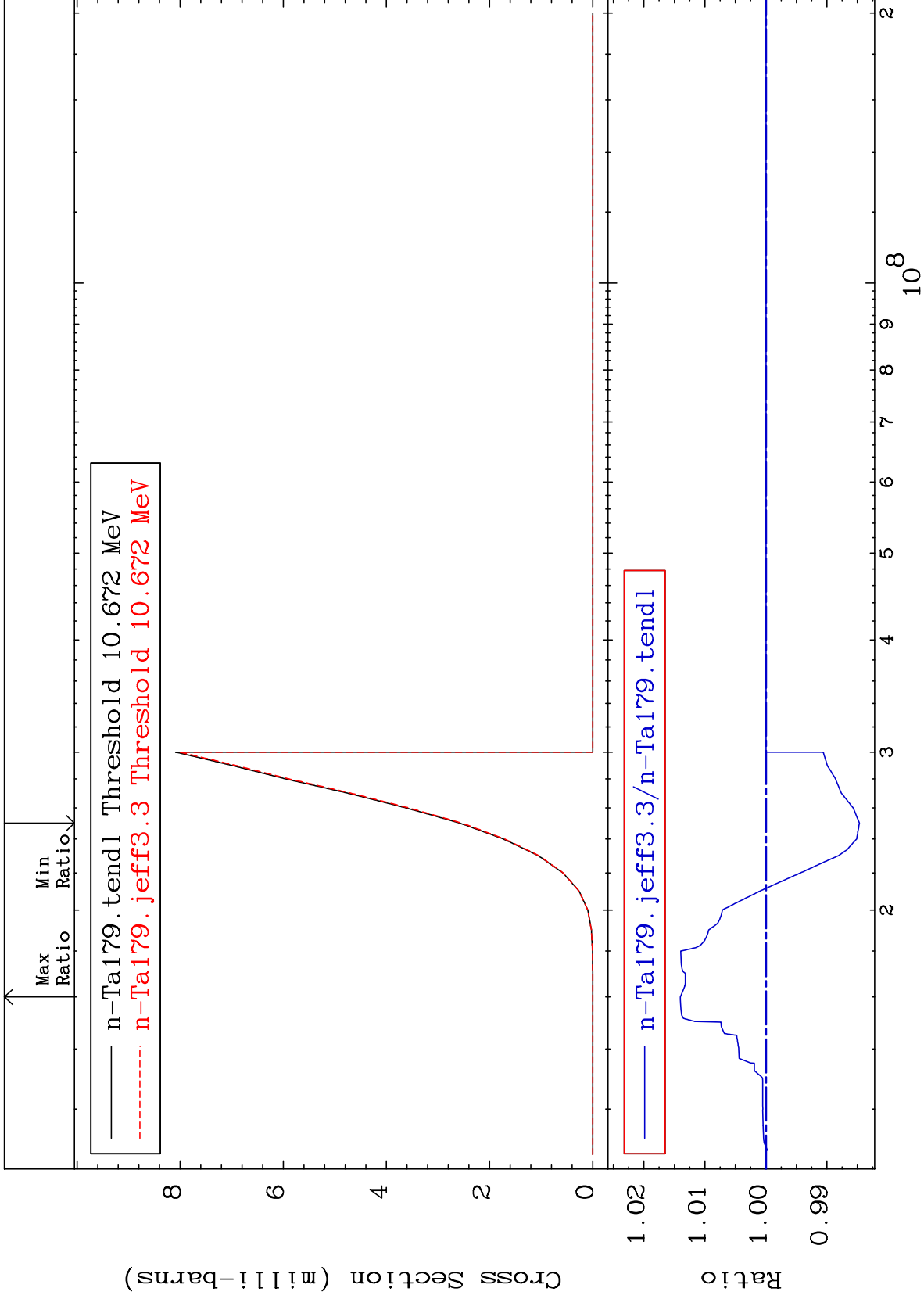
$^{73}\text{Ta-179}$
To 9999. %



11

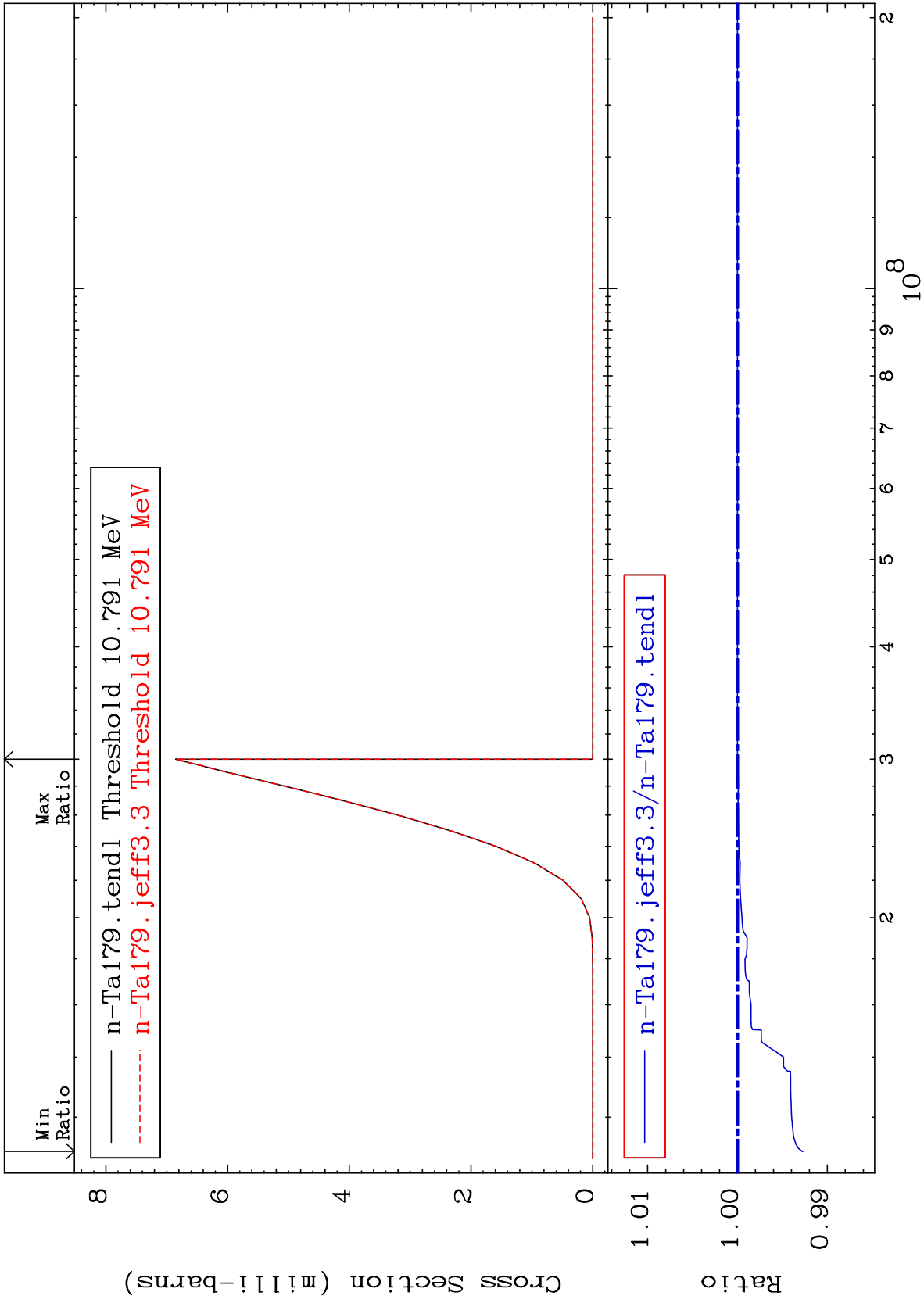
Incident Energy (eV)

$^{73}\text{Ta-179}$



Cross Section

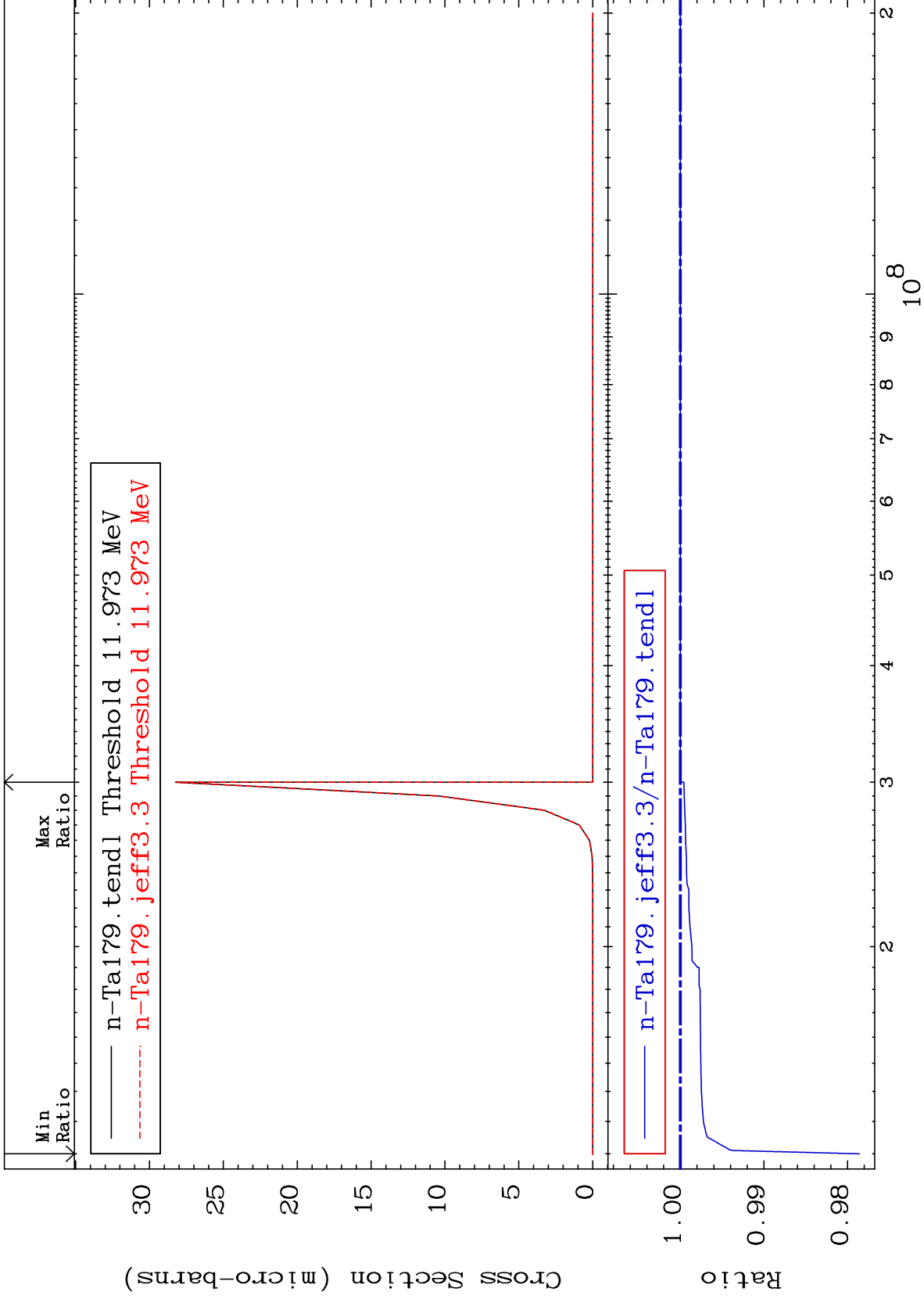
-0.721 To 0.000 %



MAT 7322

(n, n') He-3
Cross Section

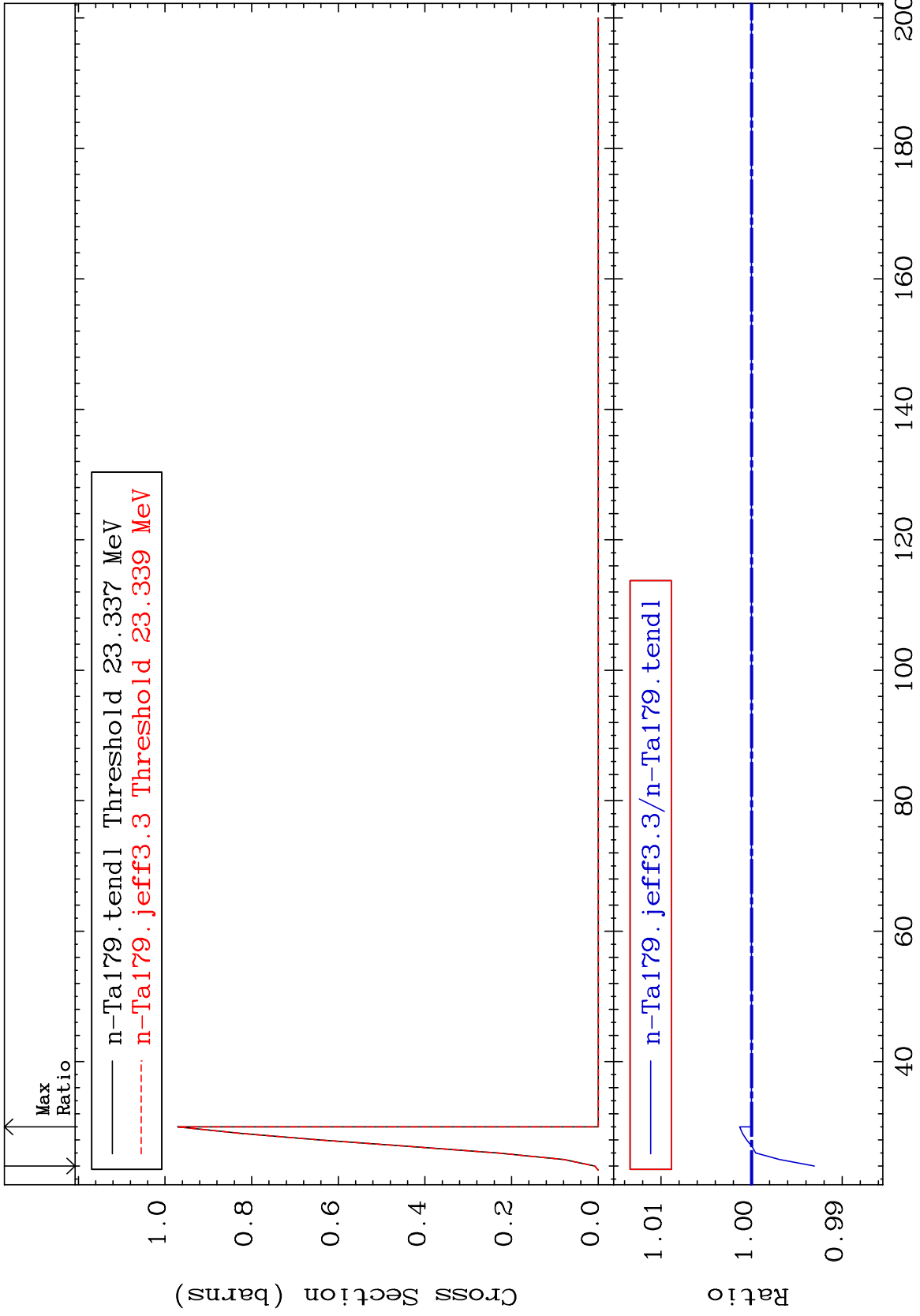
⁷³Ta-179
-2.142 To 0.000 %

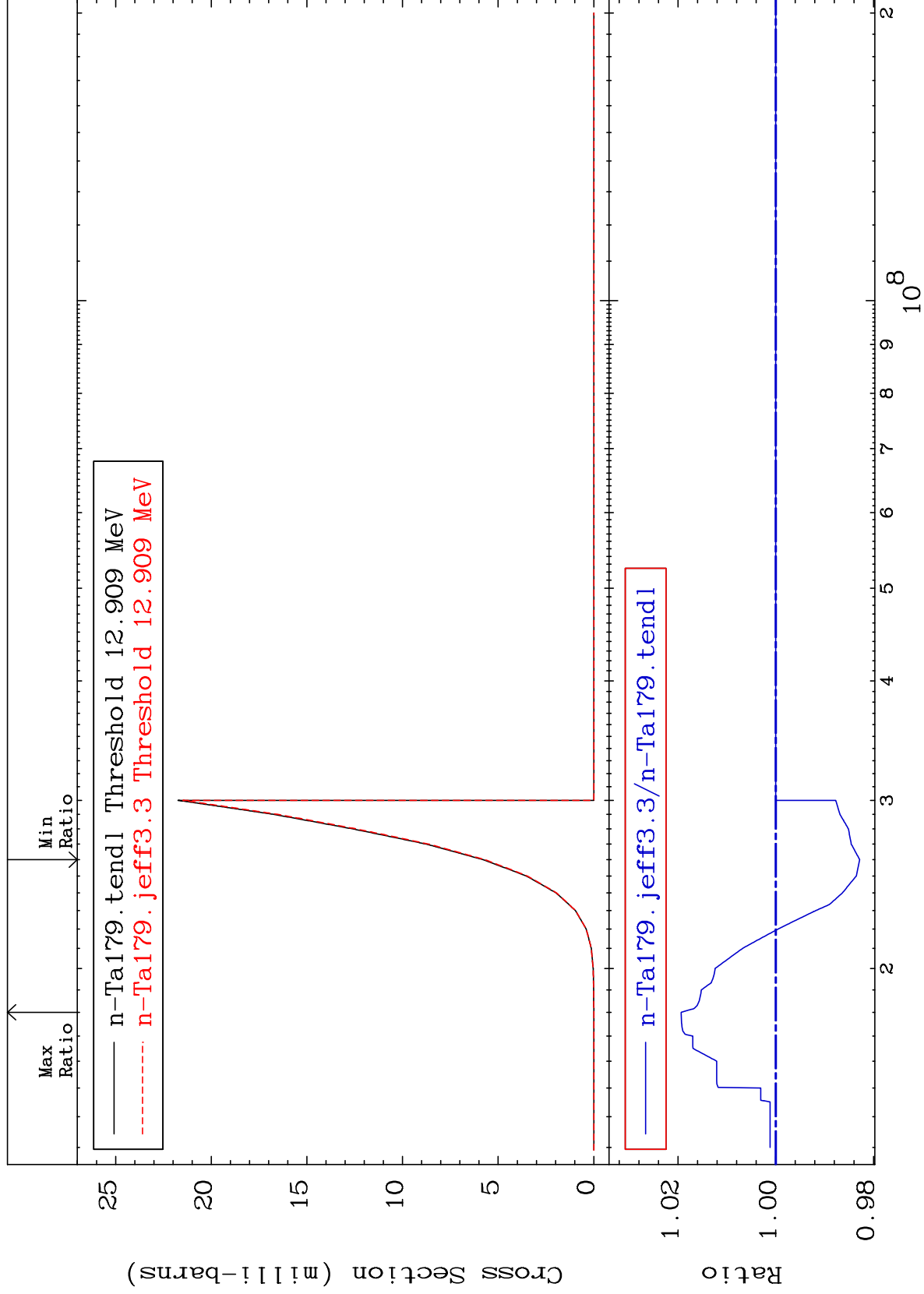


MAT 7322

(n,4n)
Cross Section

⁷³Ta-¹⁷⁹Ta
-0.695 To 0.131 %

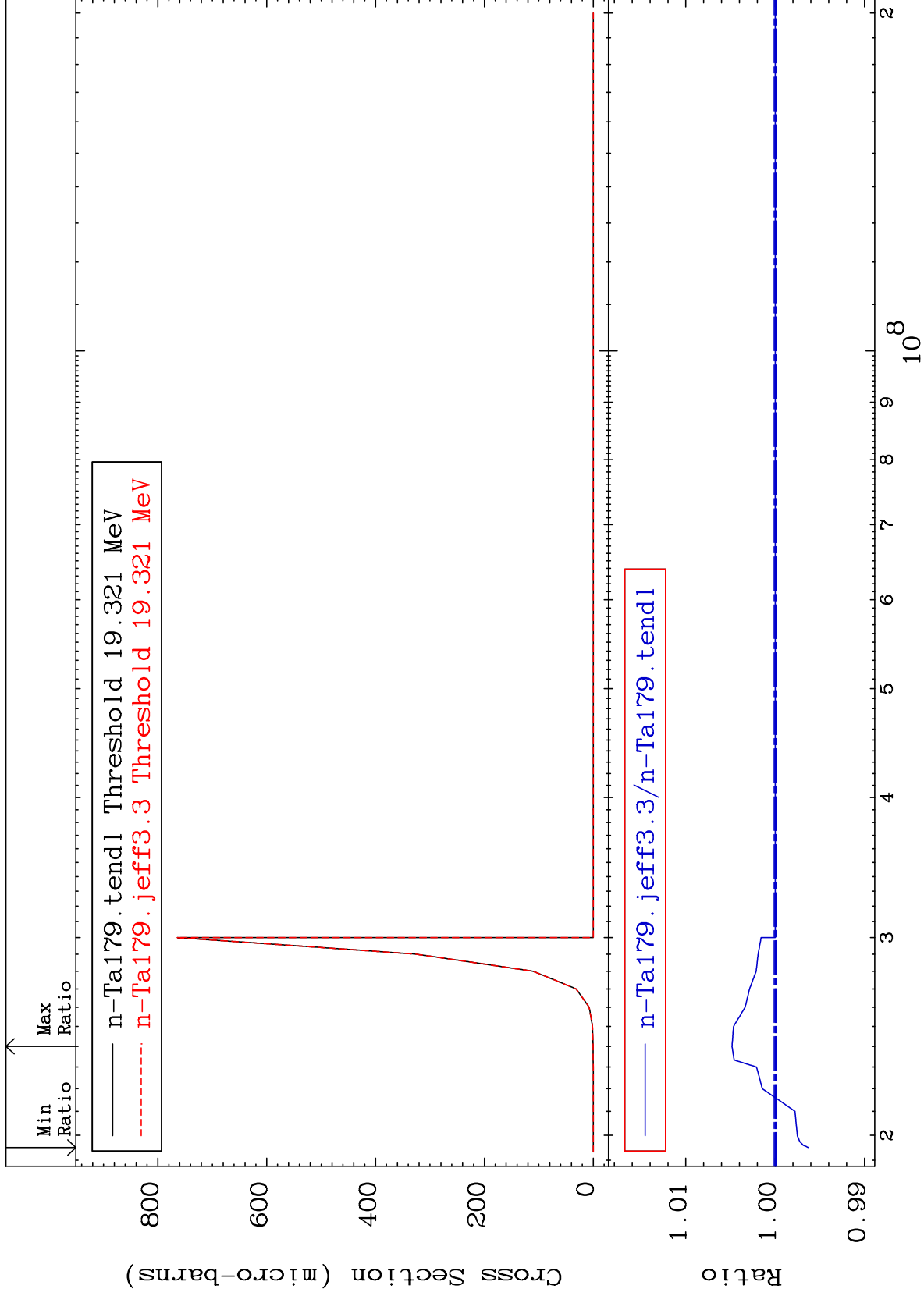




MAT 7322

(n,3n) p
Cross Section

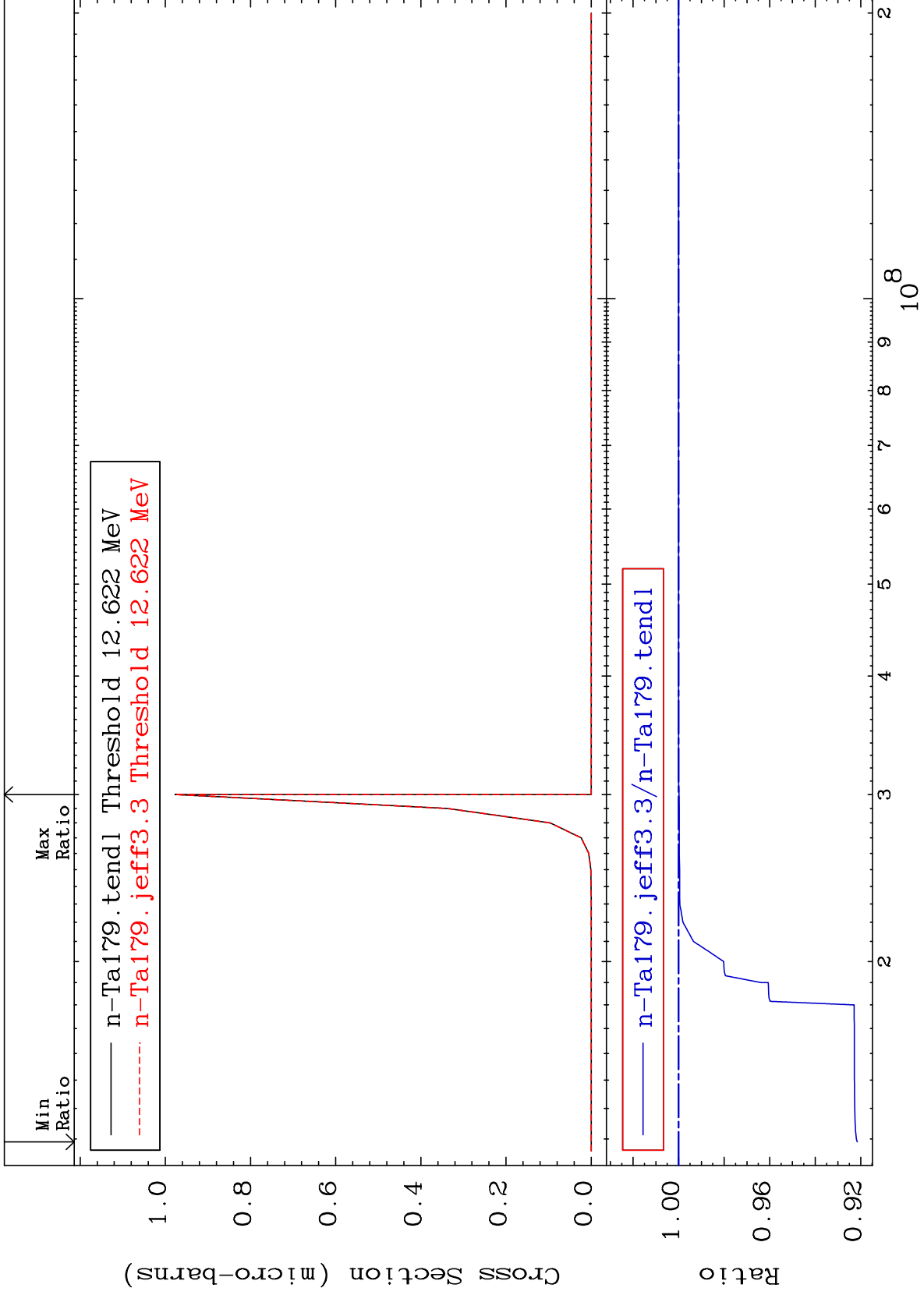
⁷³Ta-¹⁷⁹Ta
-0.371 To 0.483 %

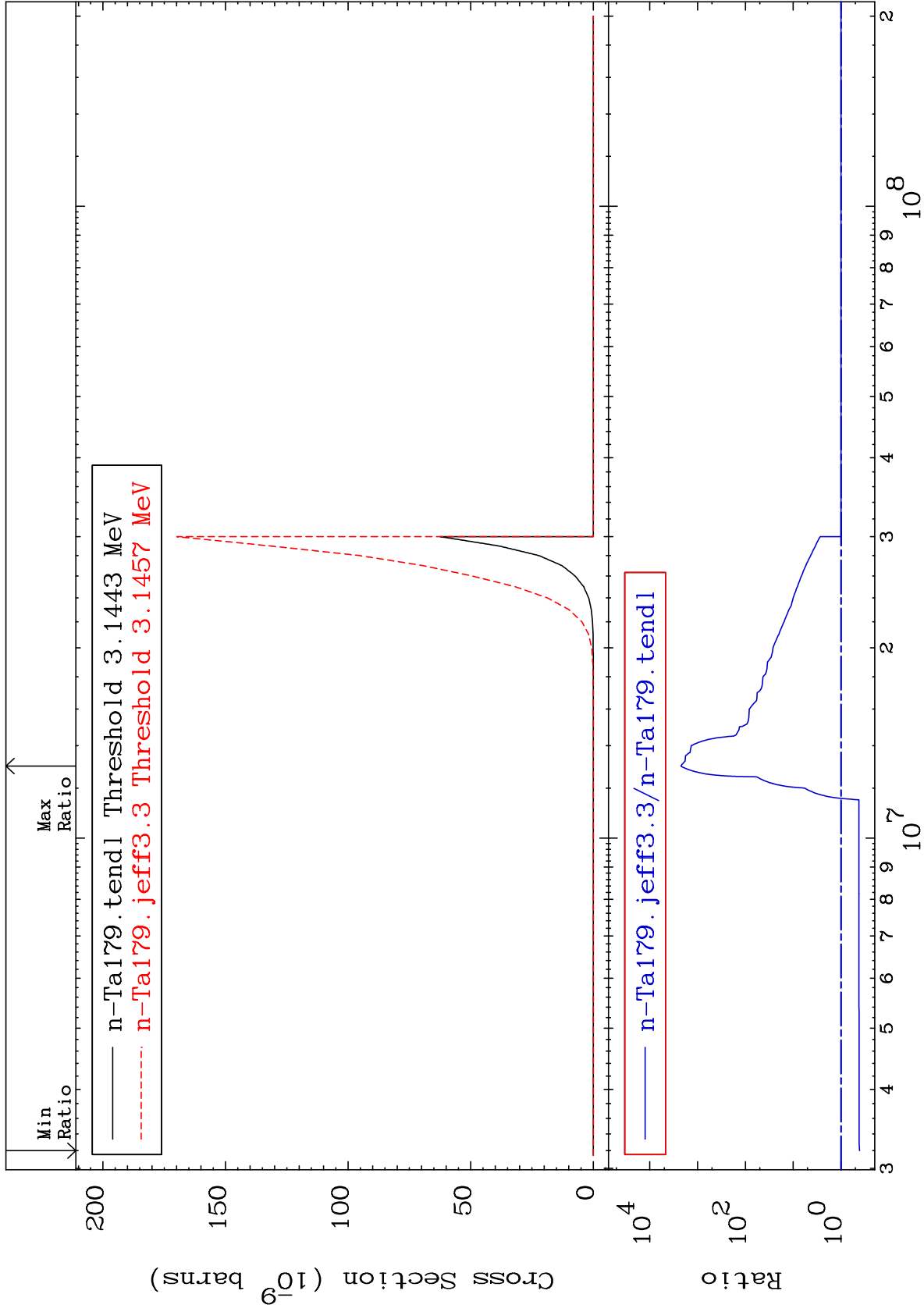


17

Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

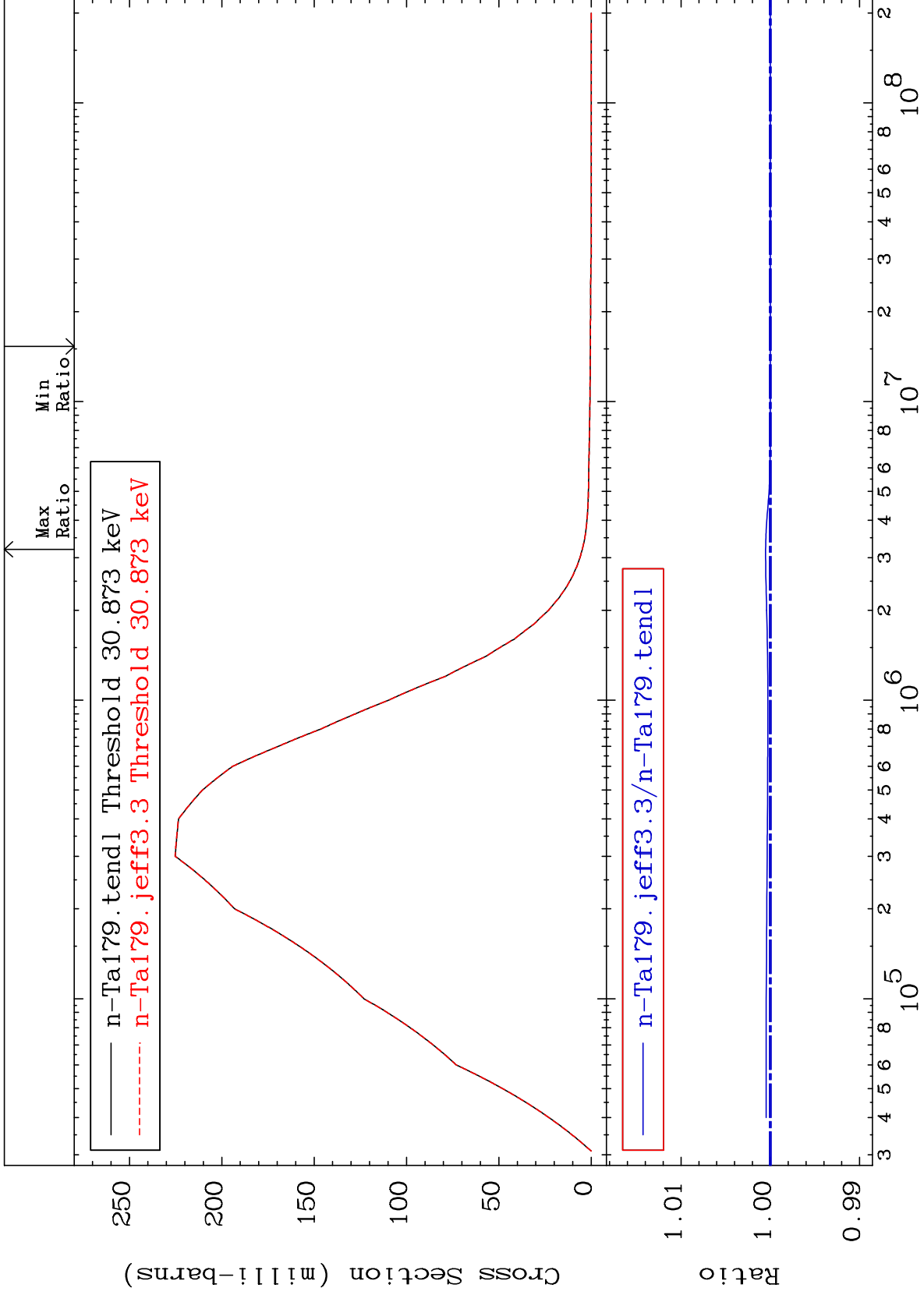




MAT 7322

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

73-Ta-179
0.000 To 0.053 %



20

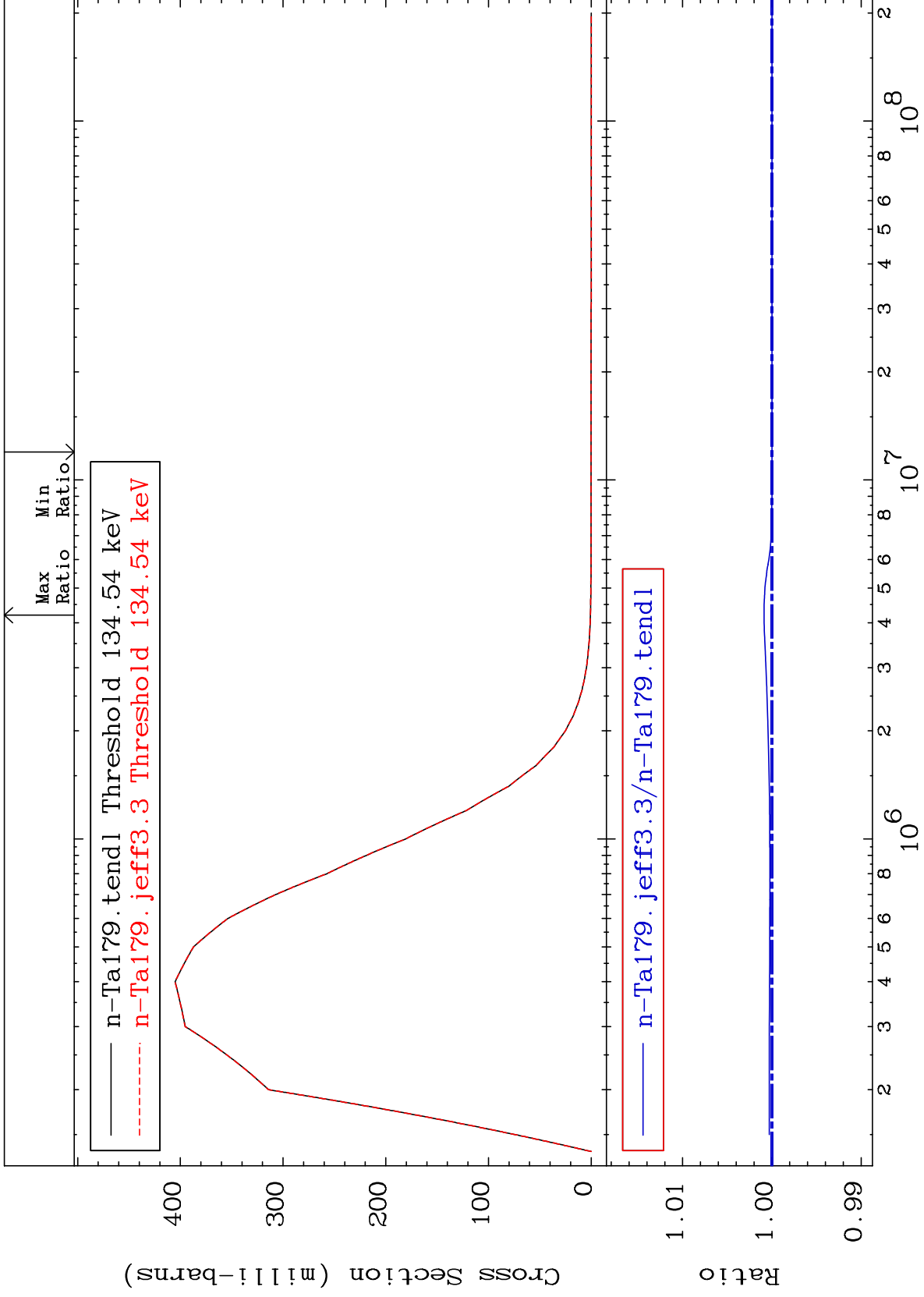
Incident Energy (eV)

73-Ta-179

MAT 7322

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

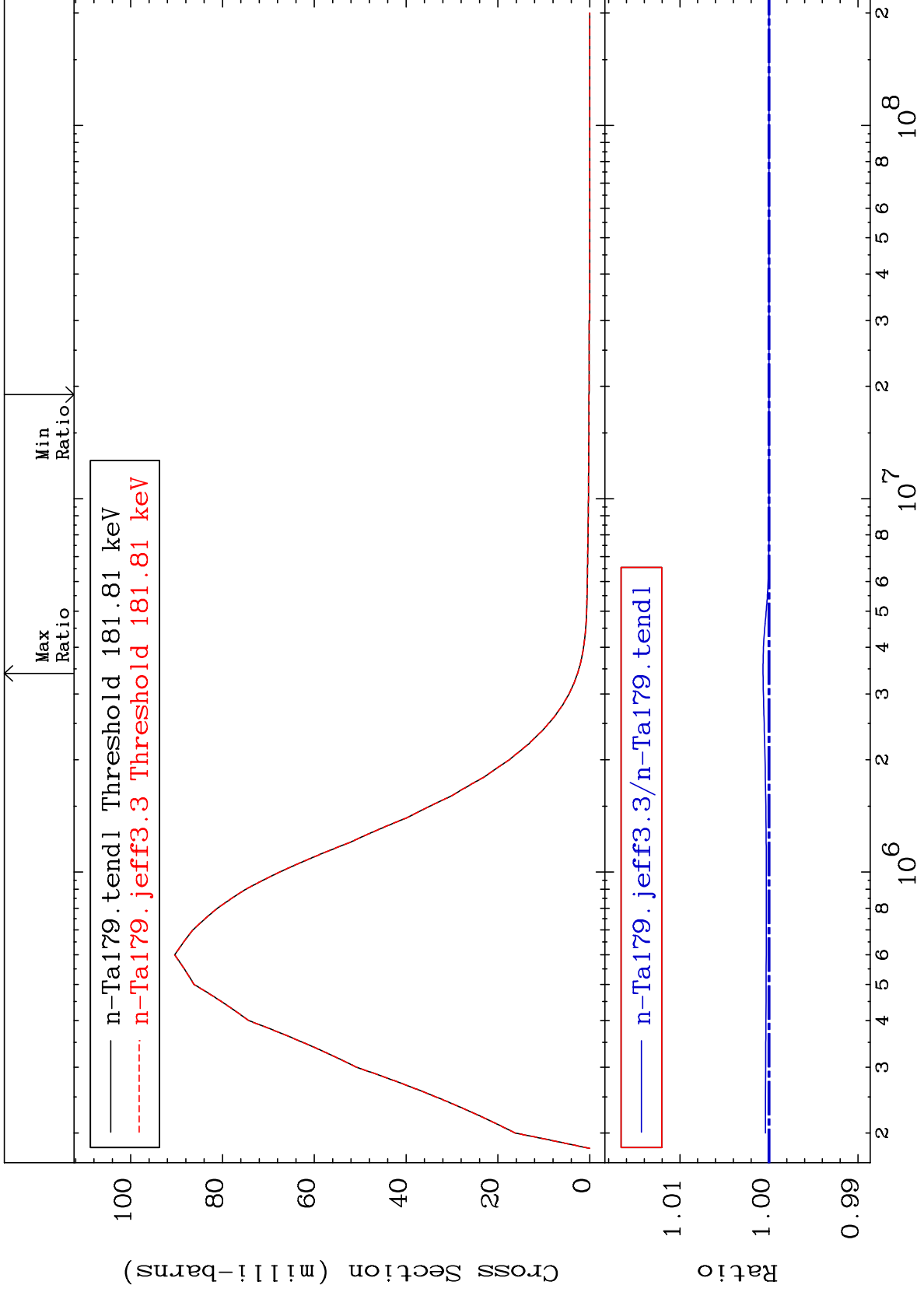
73-Ta-179
0.000 To 0.089 %



MAT 7322

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

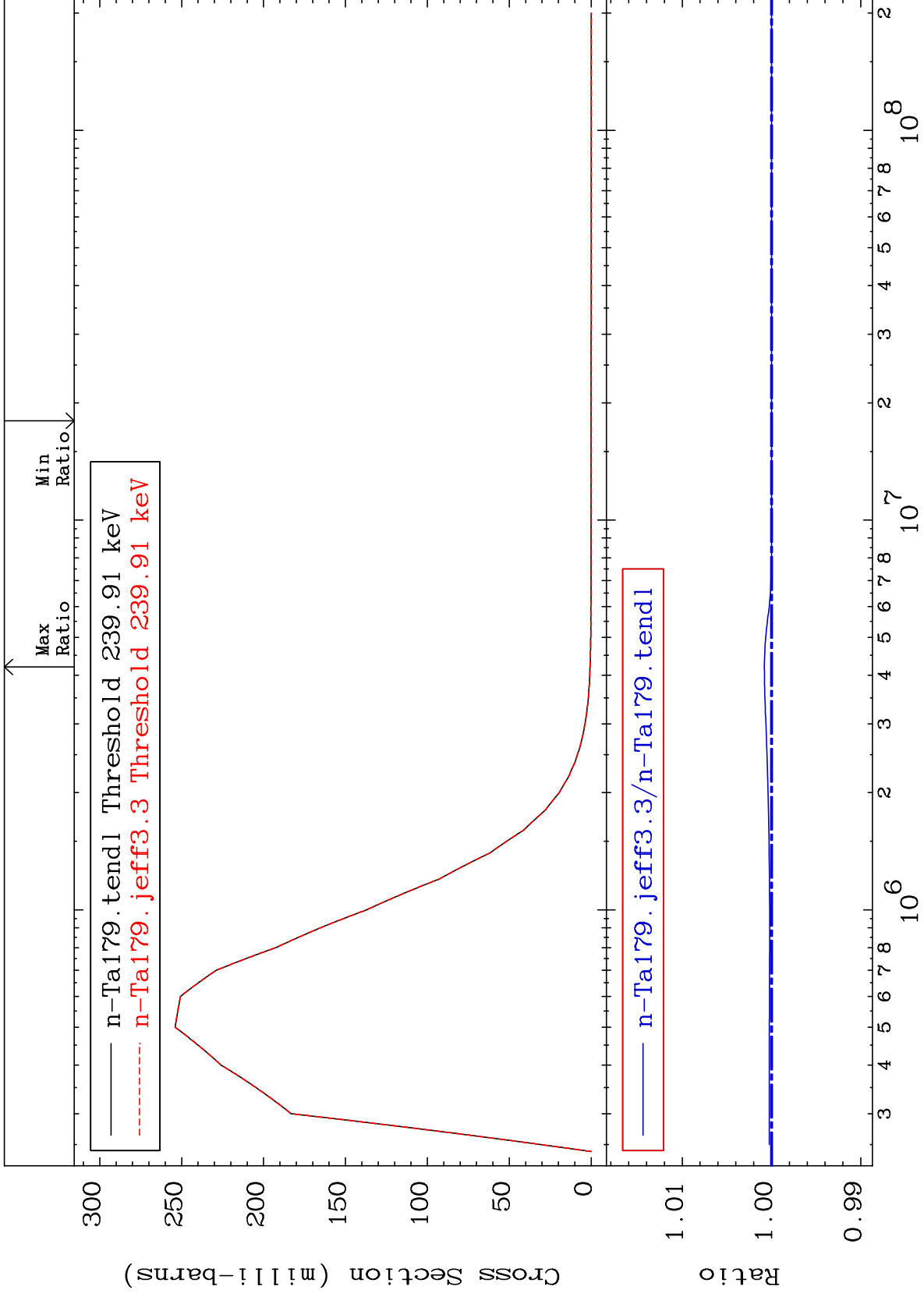
73-Ta-179
0.000 To 0.066 %



MAT 7322

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

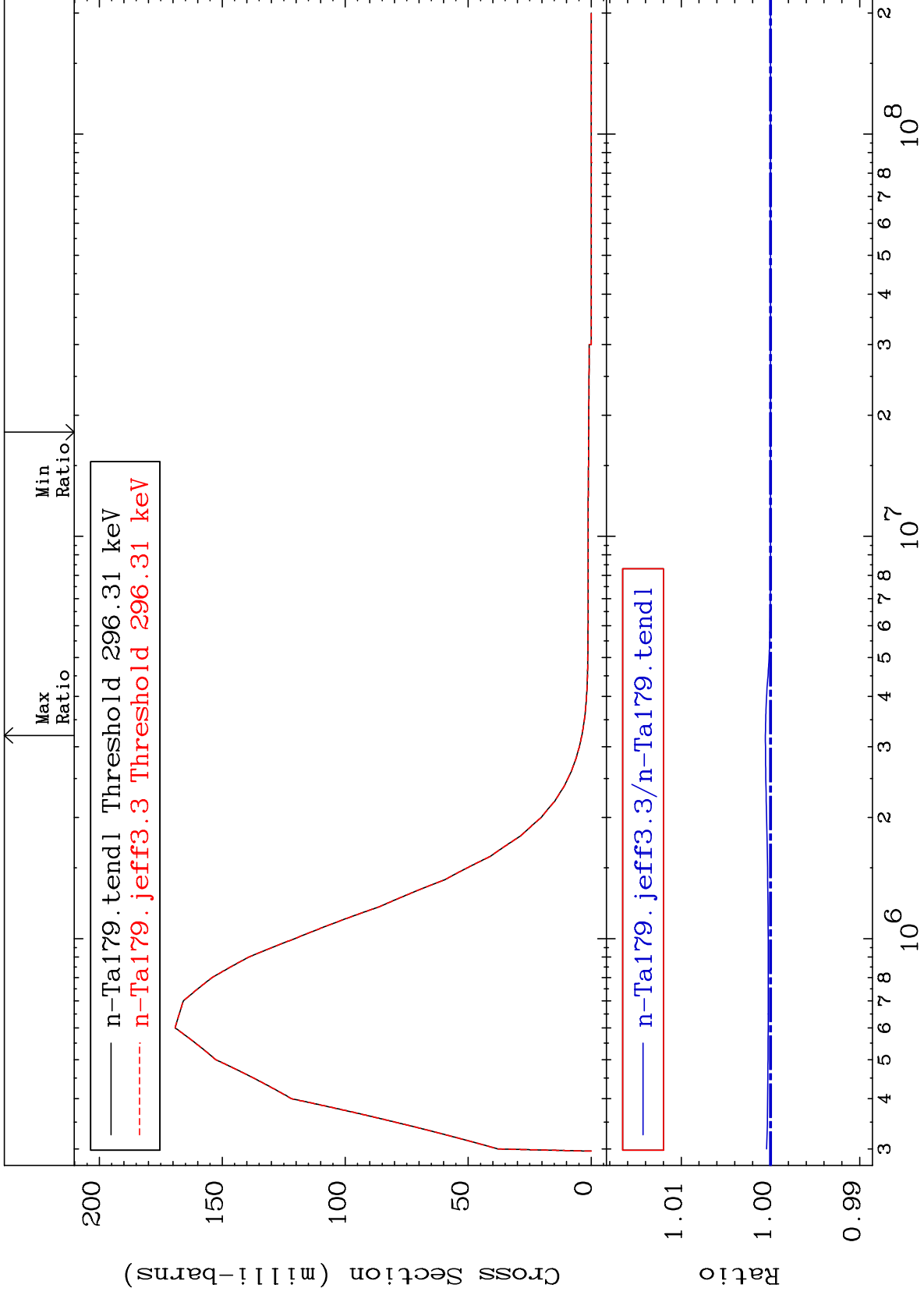
73-Ta-179
0.000 To 0.080 %



MAT 7322

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

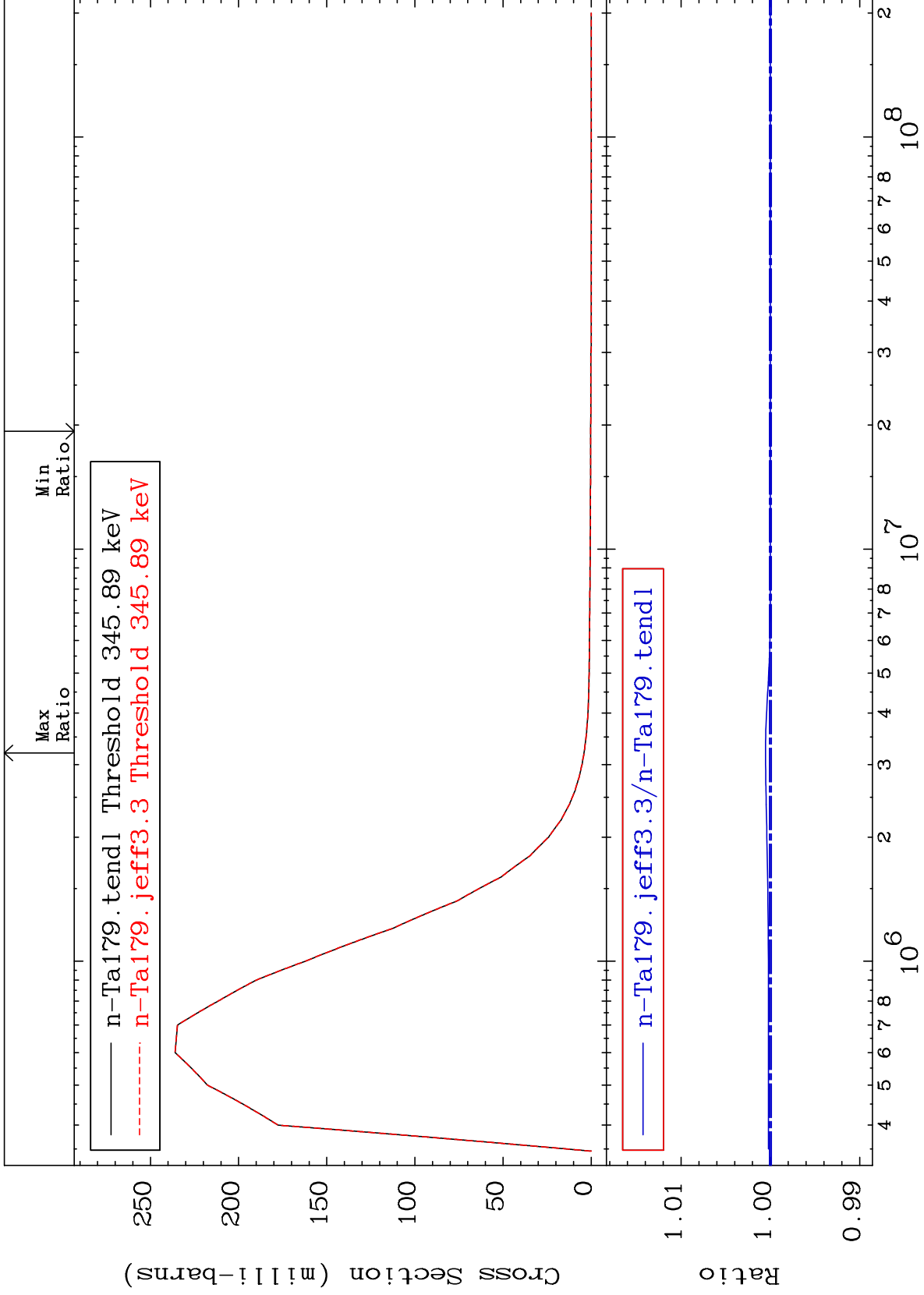
73-Ta-179
0.000 To 0.057 %



MAT 7322

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

73-Ta-179
0.000 To 0.055 %

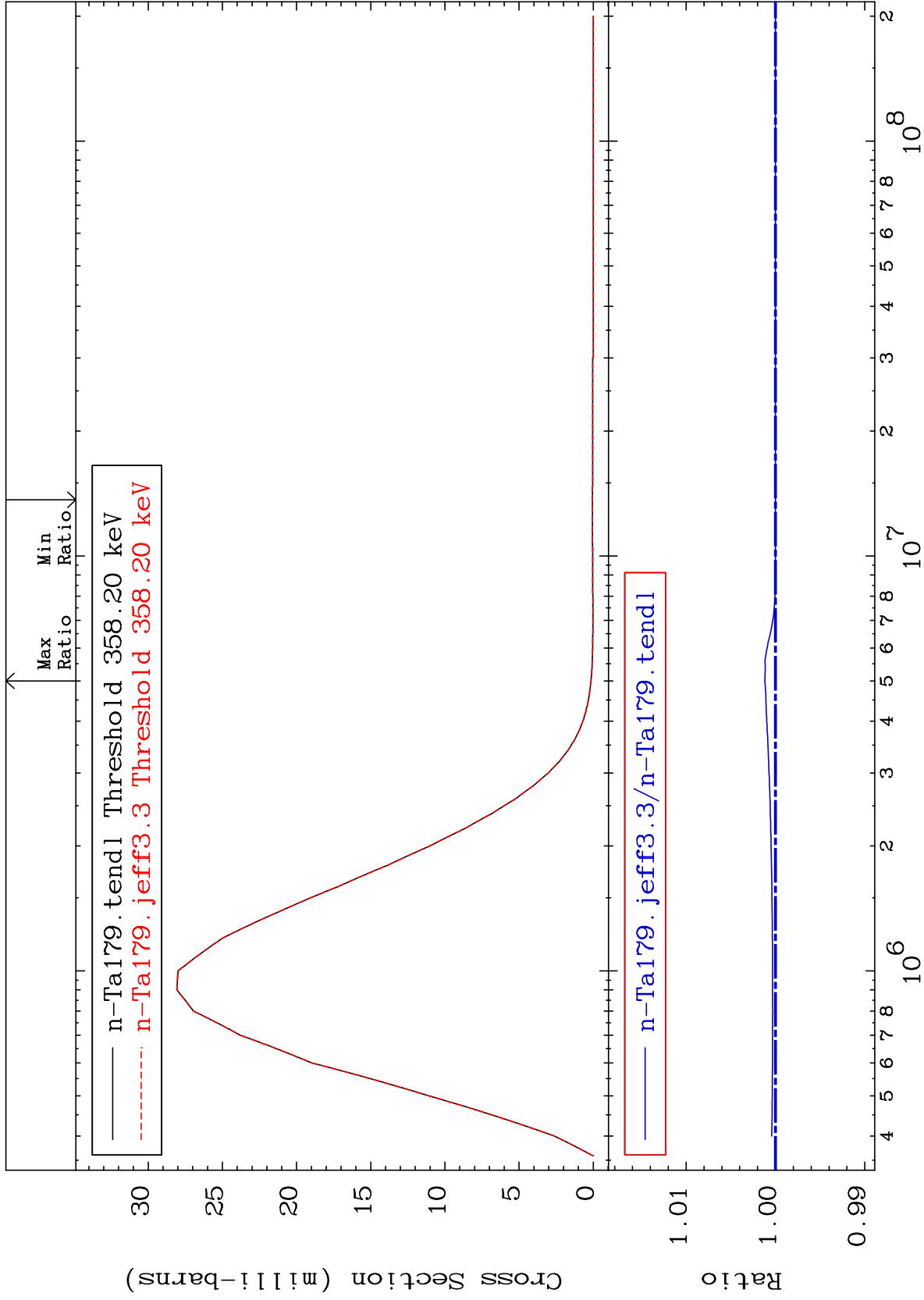


MAT 7322

MT= 57 (n,n') Level

73-Ta-179

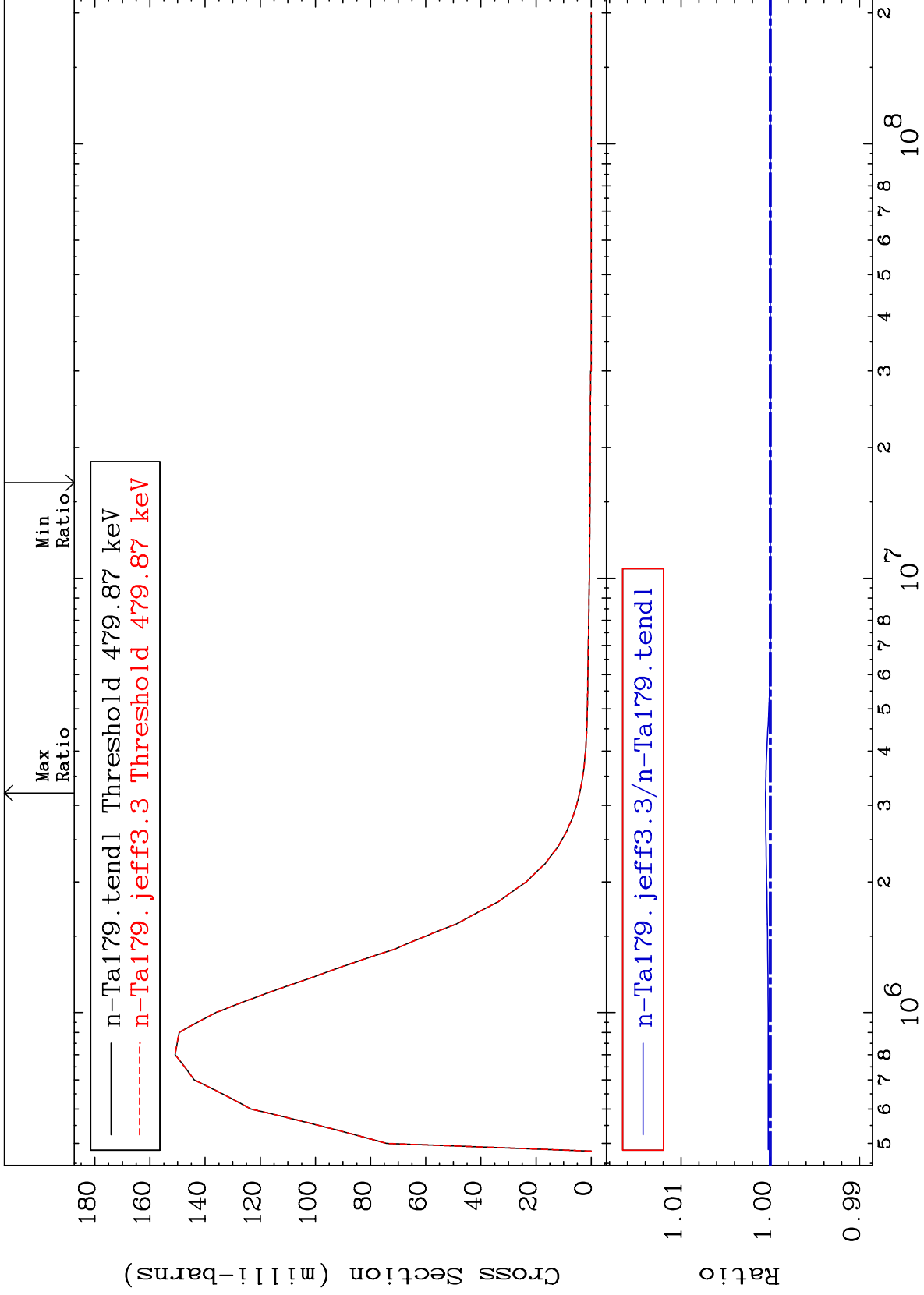
Cross Section
0.000 To 0.119 %



MAT 7322

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

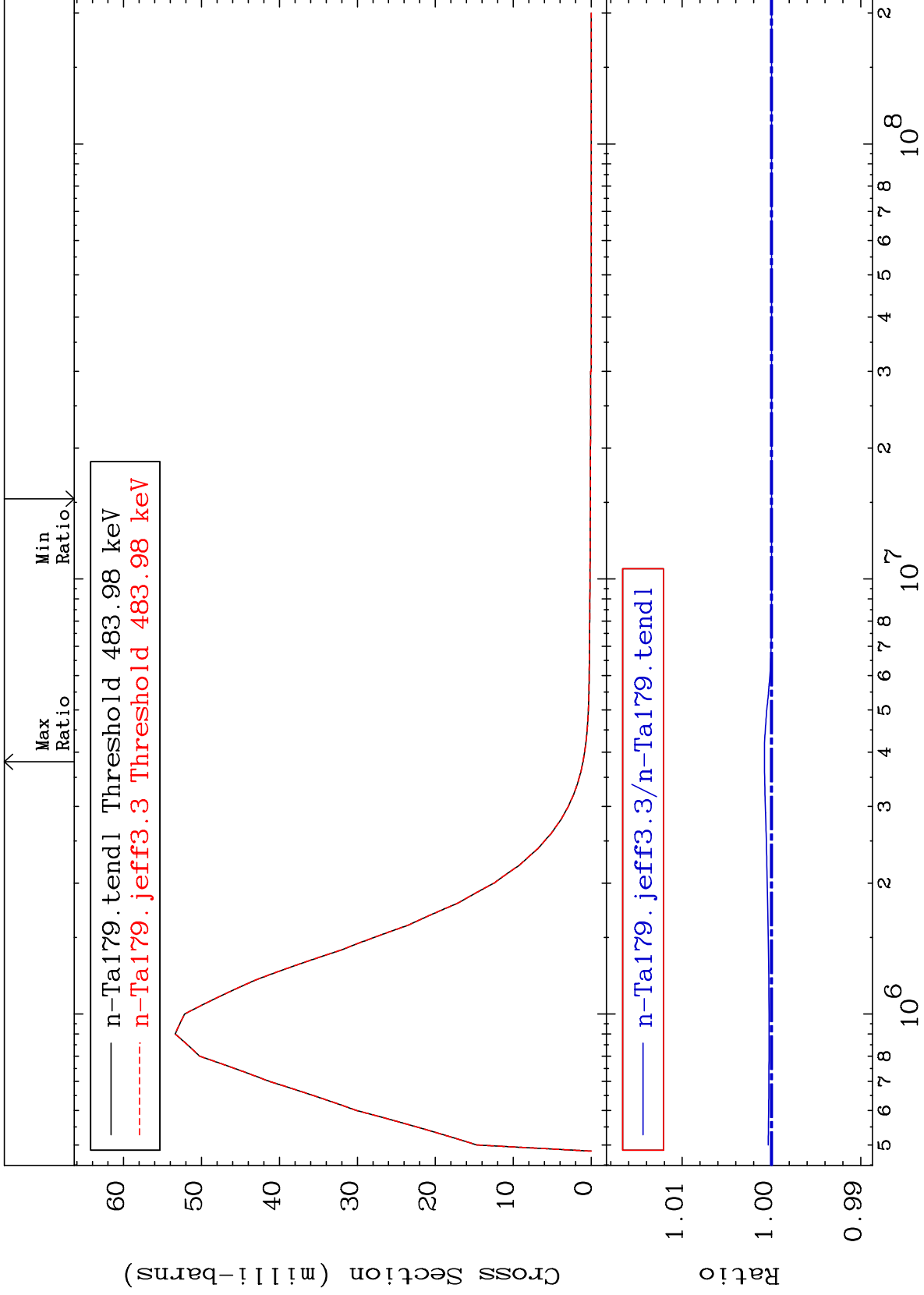
73-Ta-179
0.000 To 0.053 %



MAT 7322

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

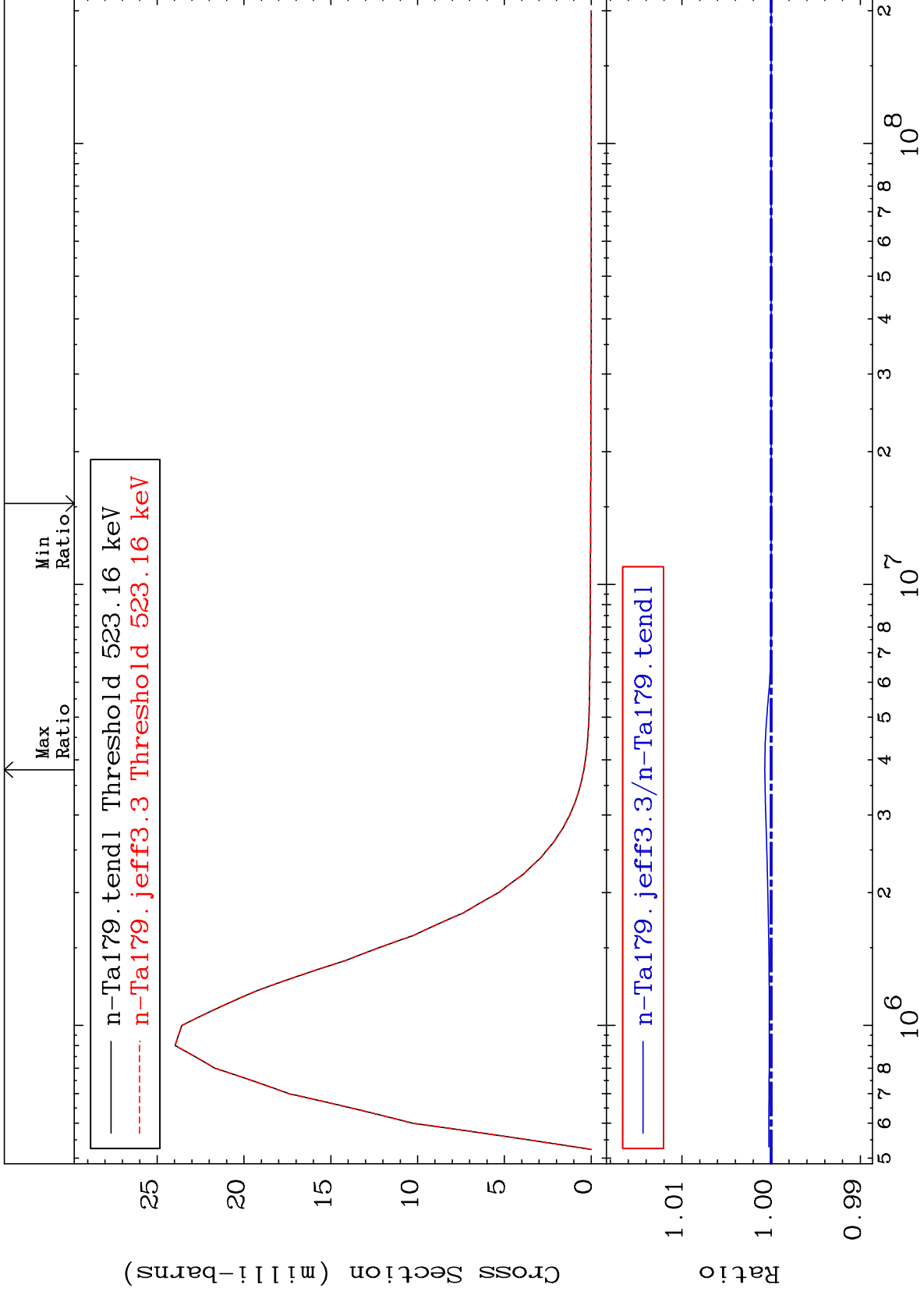
73-Ta-179
0.000 To 0.079 %



MAT 7322

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

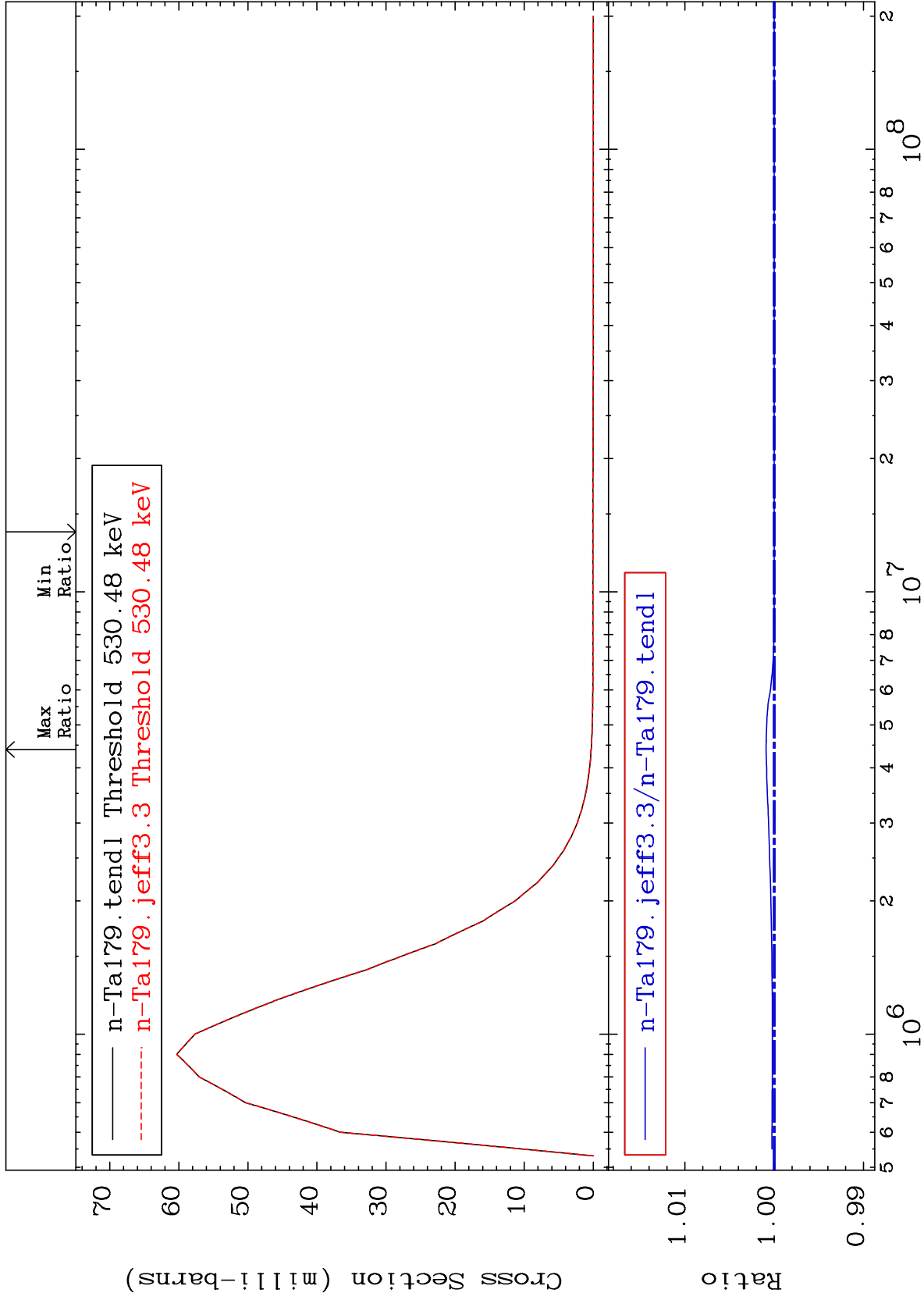
73-Ta-179
0.000 To 0.072 %



MAT 7322

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

73-Ta-179
0.000 To 0.090 %



30

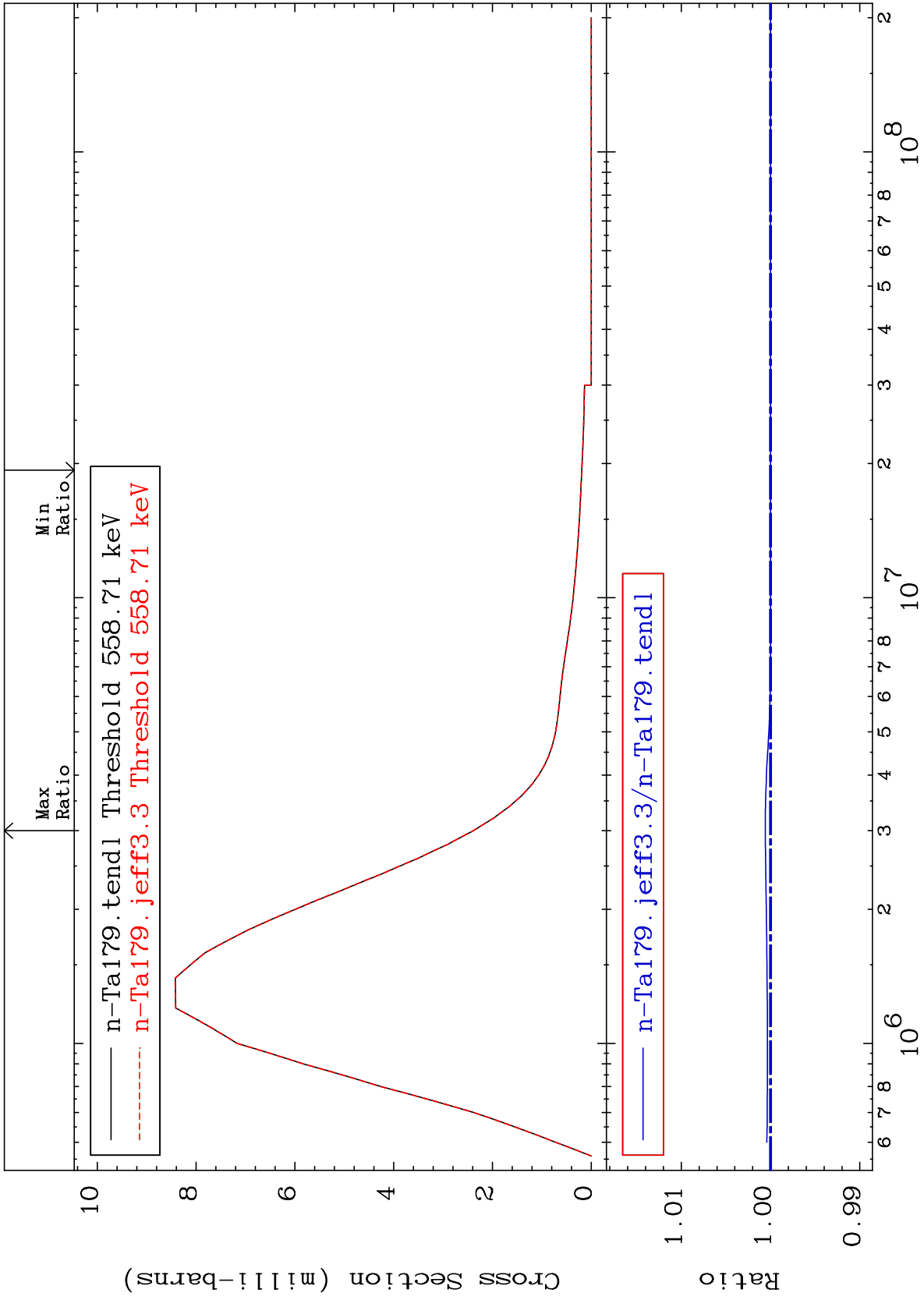
Incident Energy (eV)

73-Ta-179

MAT 7322

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

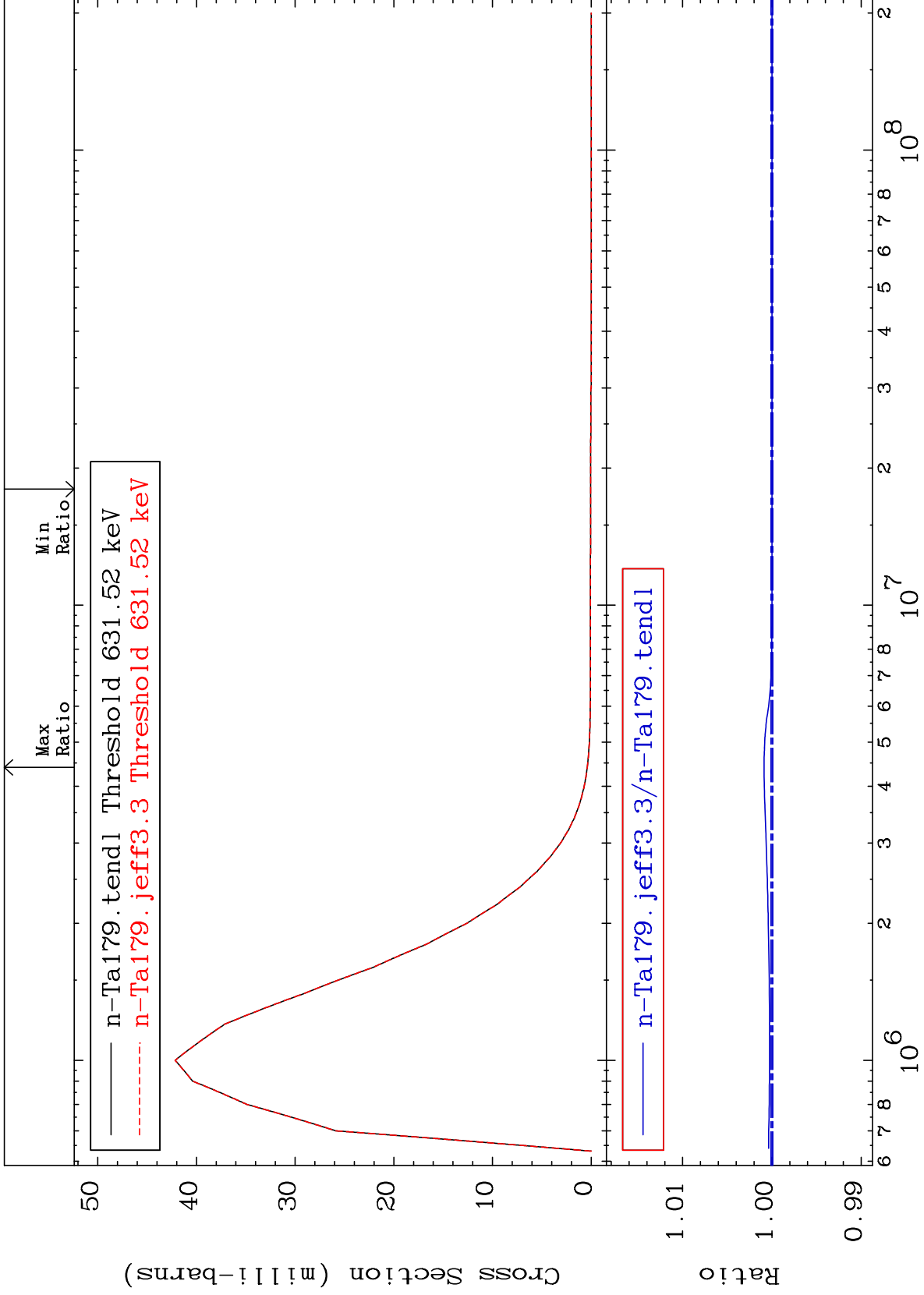
73-Ta-179
0.000 To 0.058 %



MAT 7322

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

73-Ta-179
0.000 To 0.089 %



32

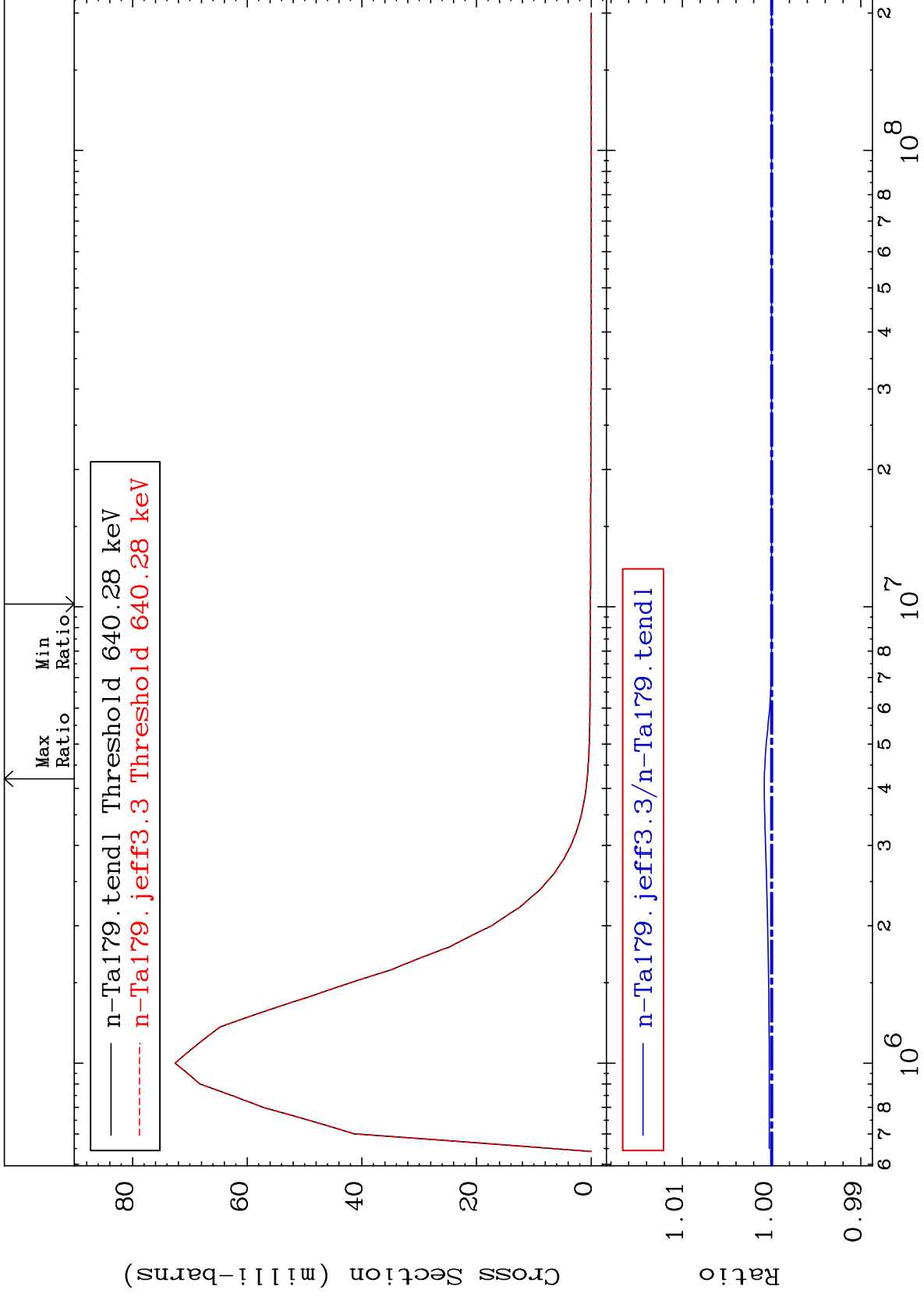
Incident Energy (eV)

73-Ta-179

MAT 7322

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

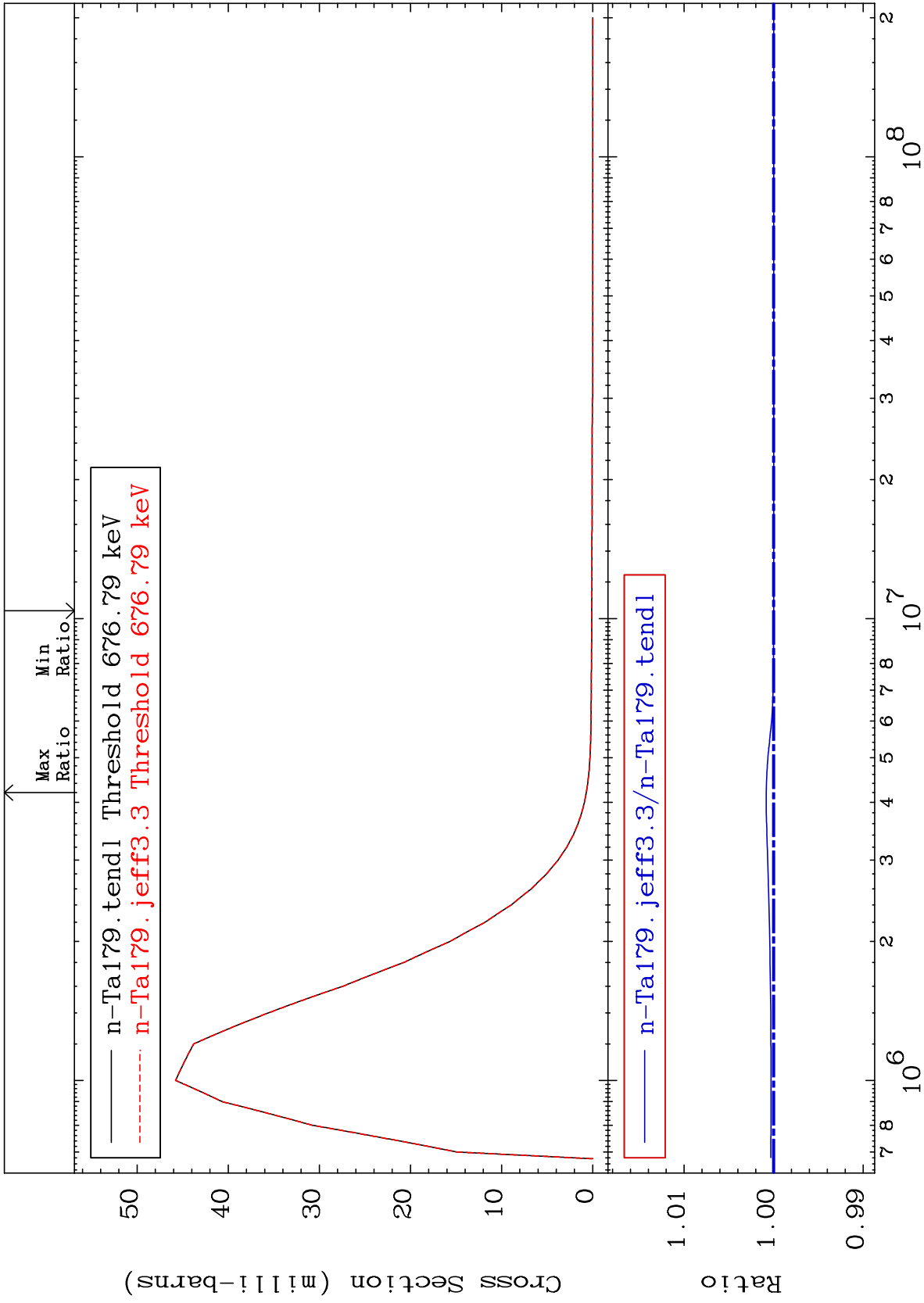
⁷³Ta-¹⁷⁹Ta
0.000 To 0.082 %



MAT 7322

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

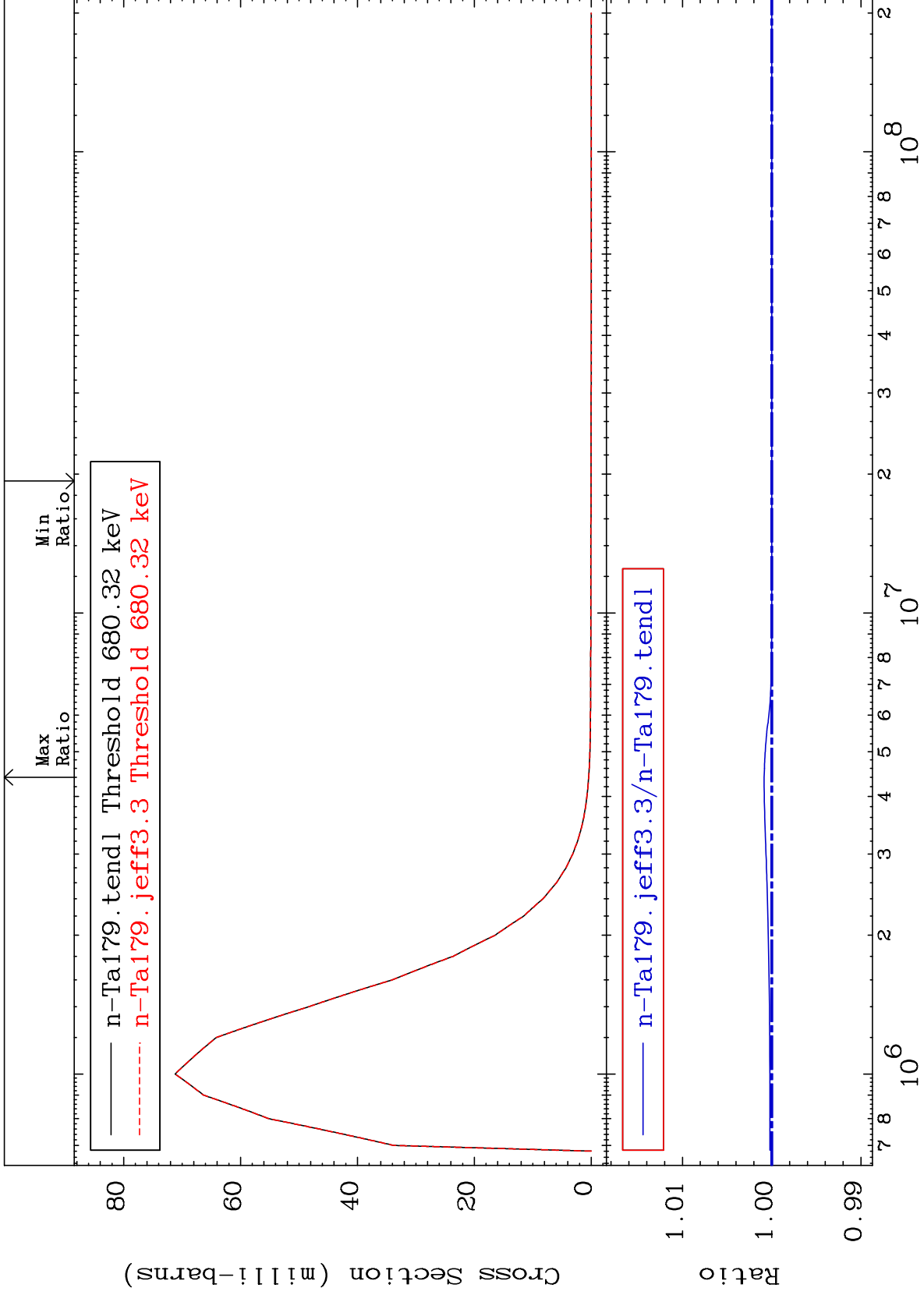
⁷³Ta-¹⁷⁹Ta
0.000 To 0.083 %



MAT 7322

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

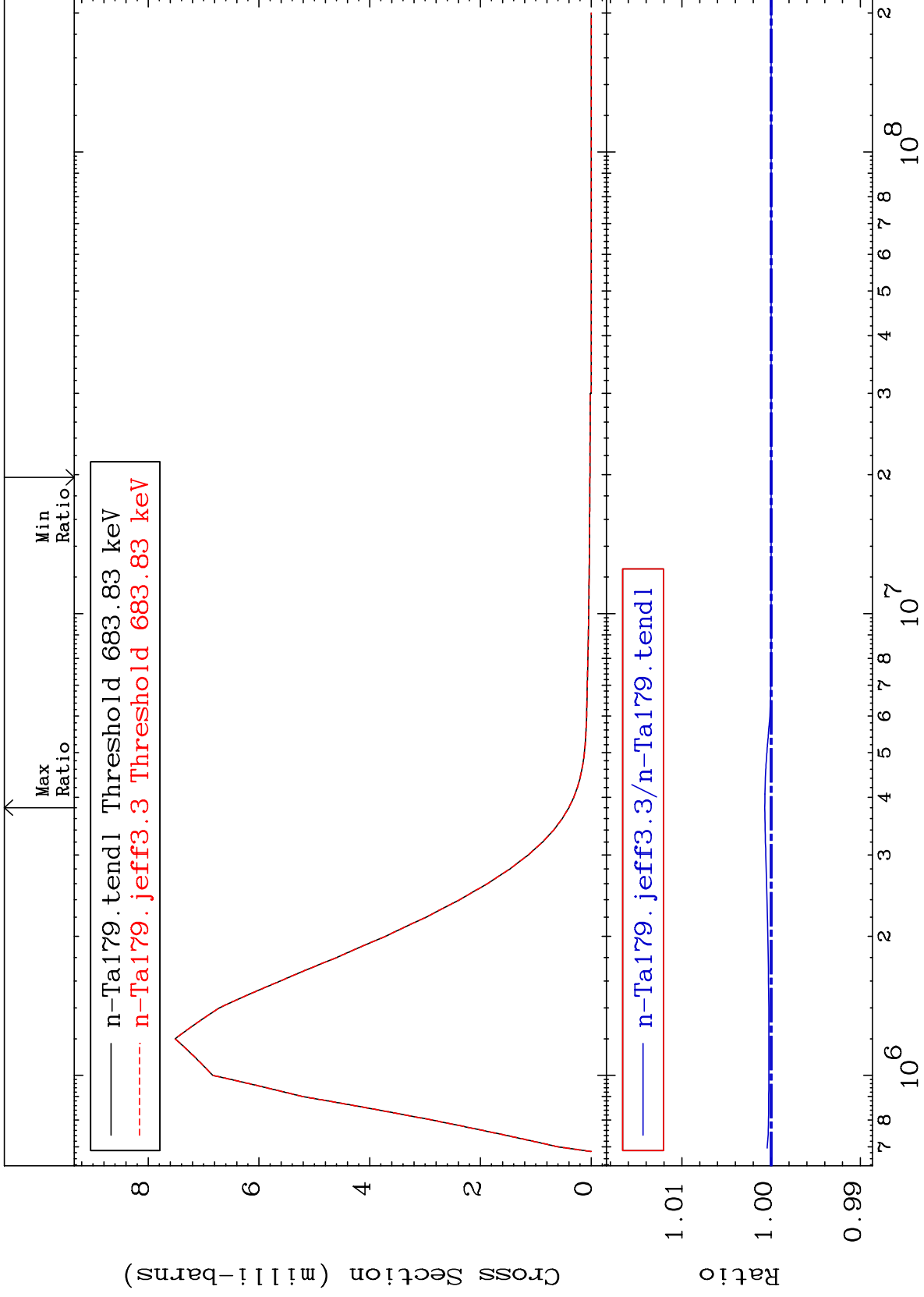
⁷³Ta-¹⁷⁹Ta
0.000 To 0.085 %



MAT 7322

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

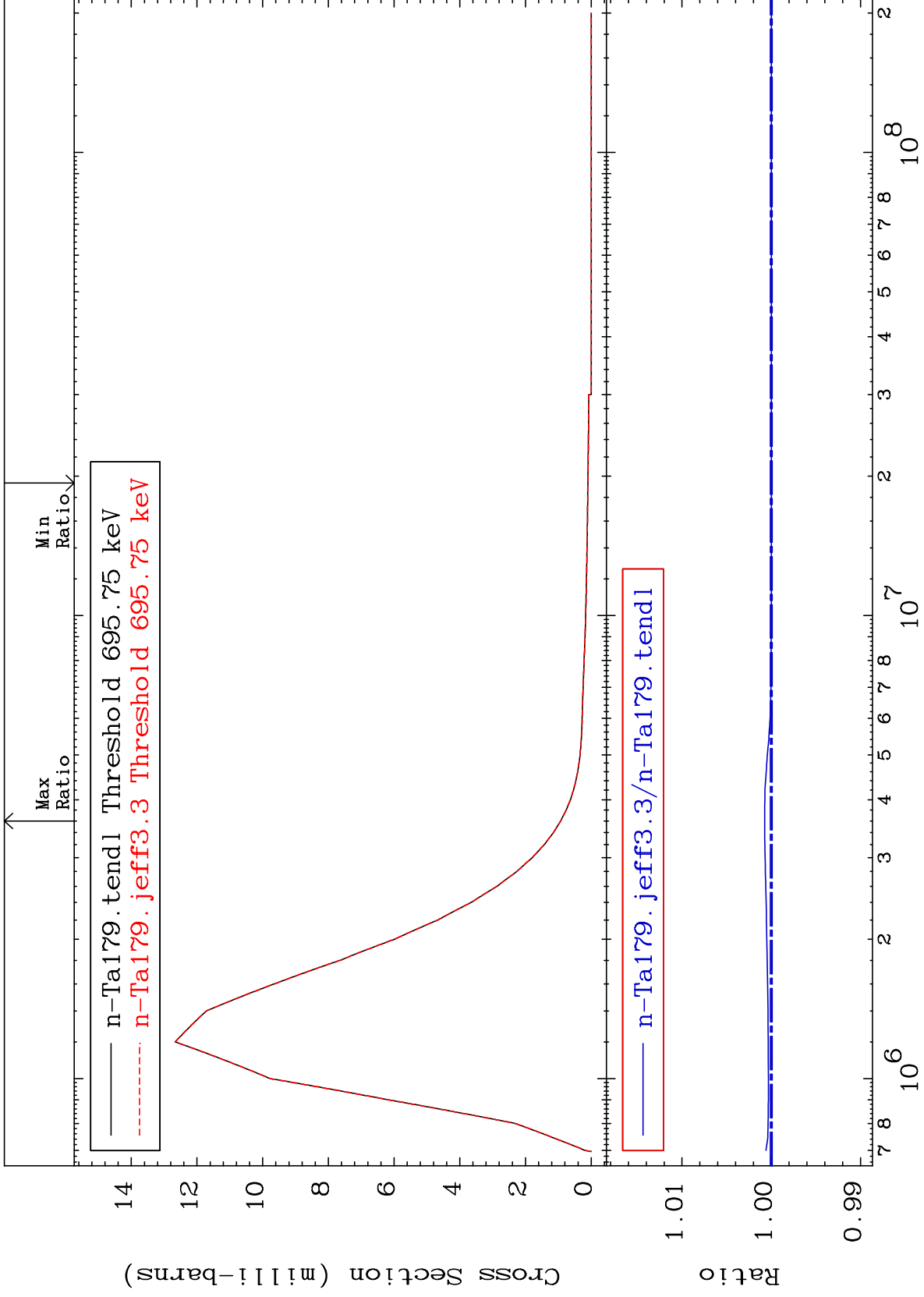
73-Ta-179
0.000 To 0.072 %



MAT 7322

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

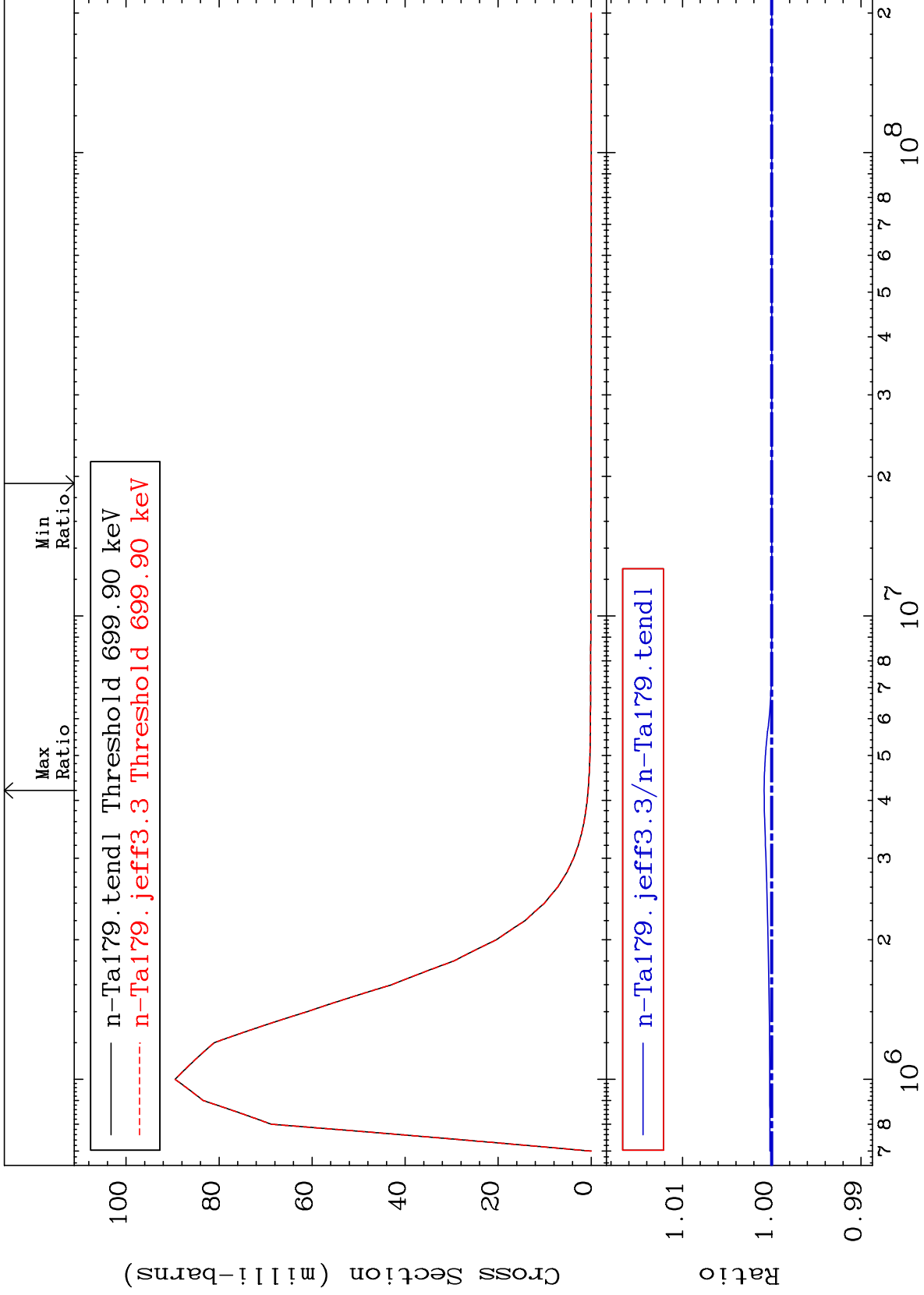
73-Ta-179
0.000 To 0.075 %



MAT 7322

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

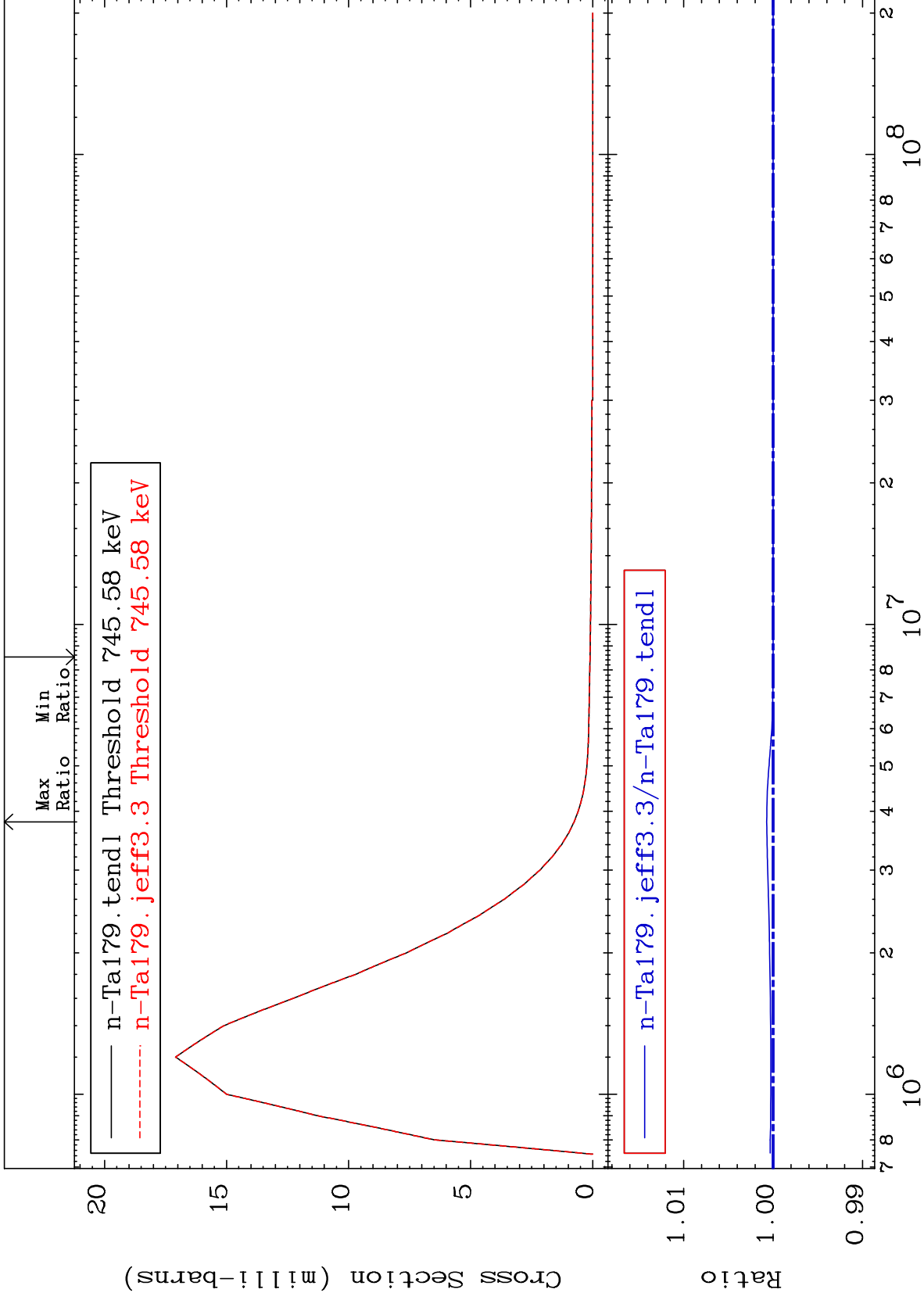
⁷³Ta-¹⁷⁹Ta
0.000 To 0.084 %



MAT 7322

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

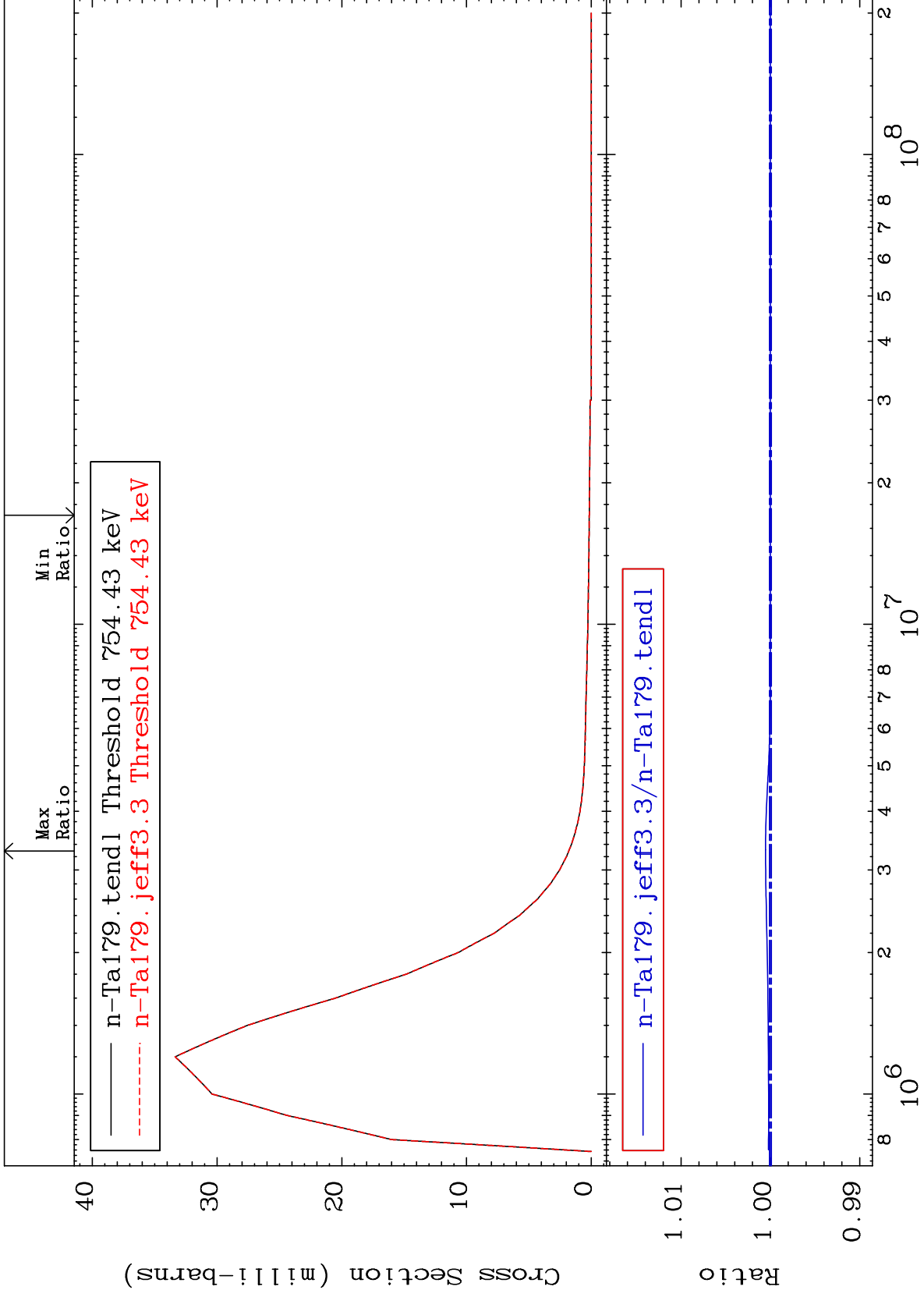
73-Ta-179
0.000 To 0.072 %



MAT 7322

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

73-Ta-179
0.000 To 0.054 %



40

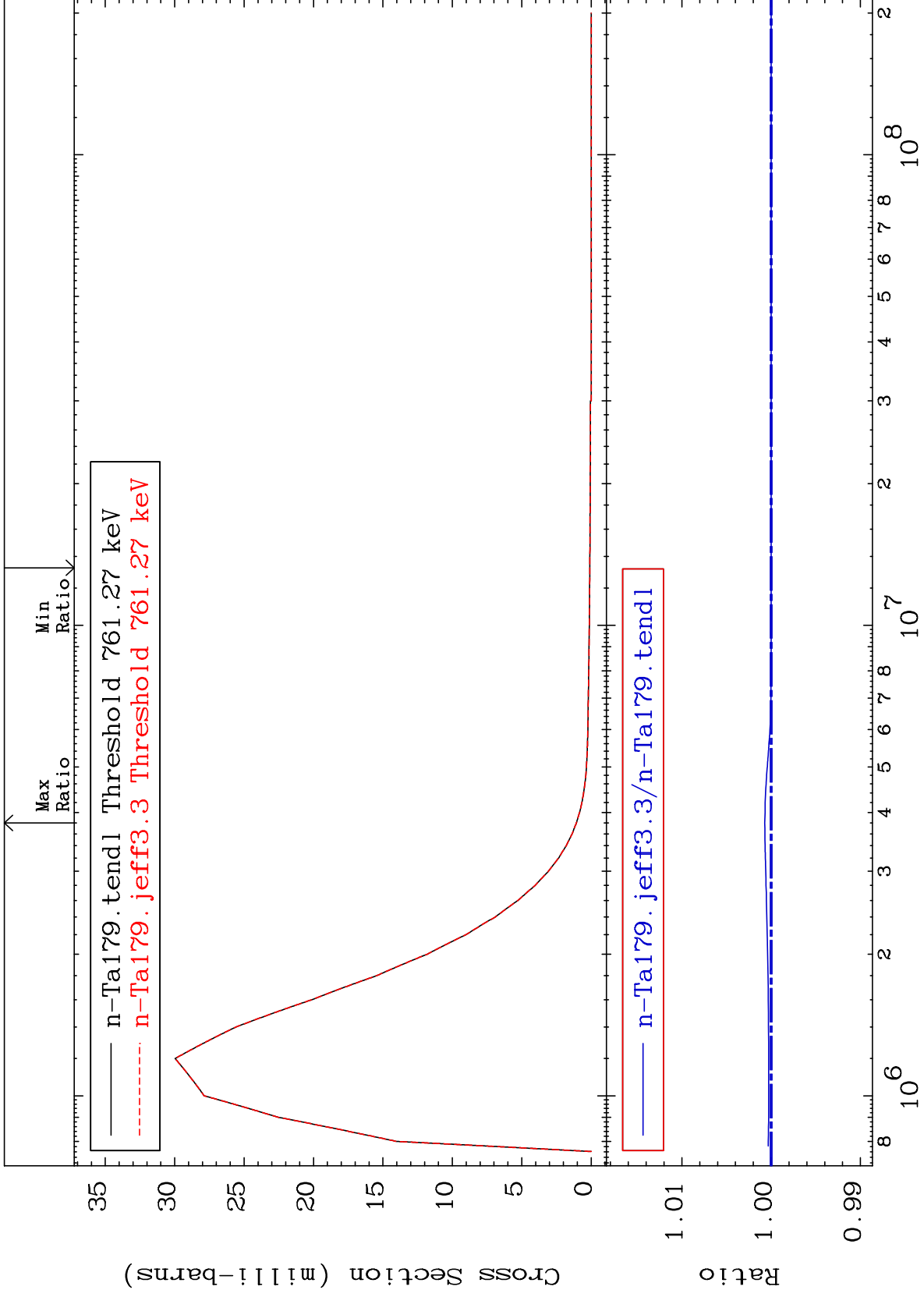
Incident Energy (eV)

73-Ta-179

MAT 7322

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

73-Ta-179
0.000 To 0.072 %



41

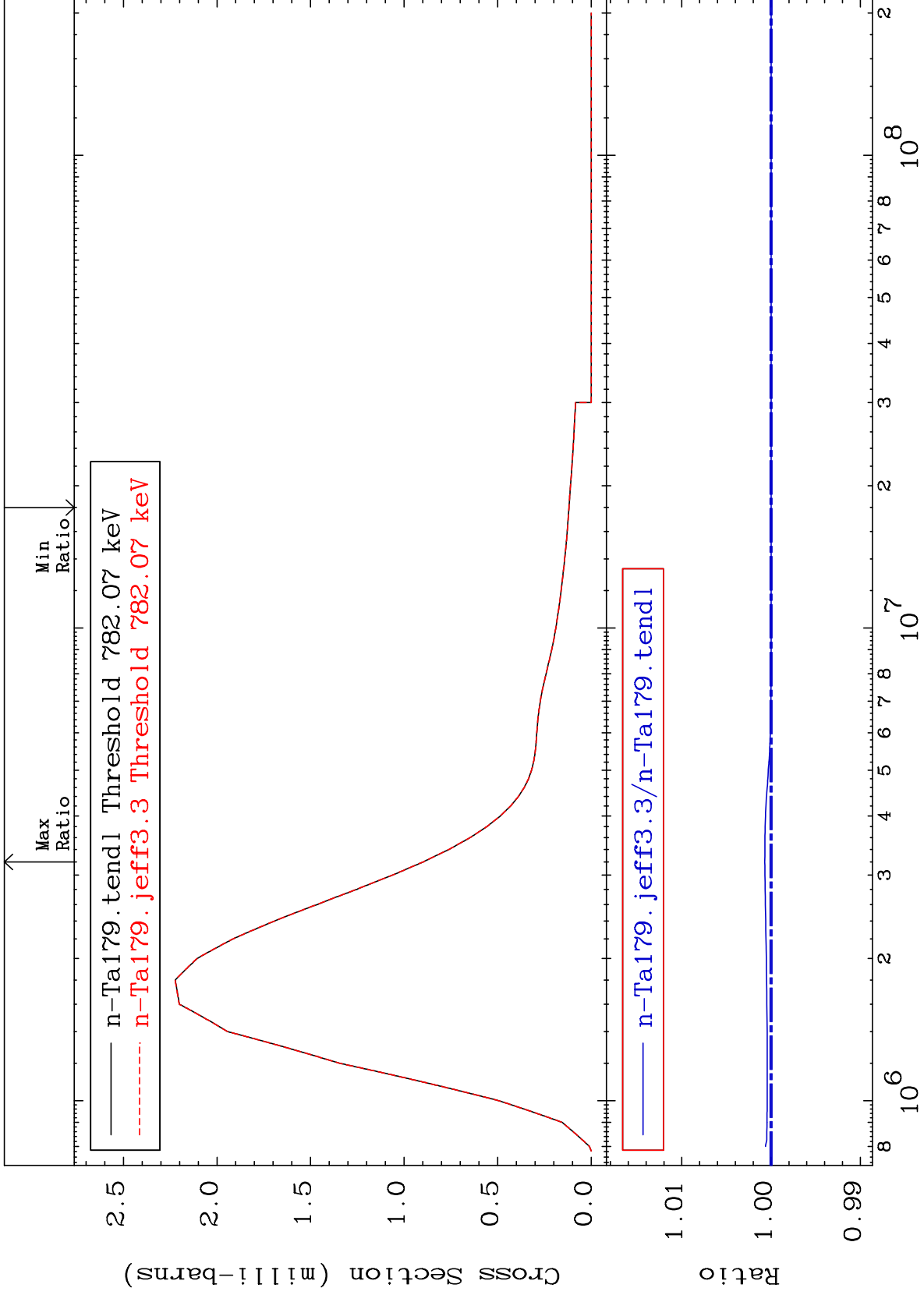
Incident Energy (eV)

73-Ta-179

MAT 7322

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

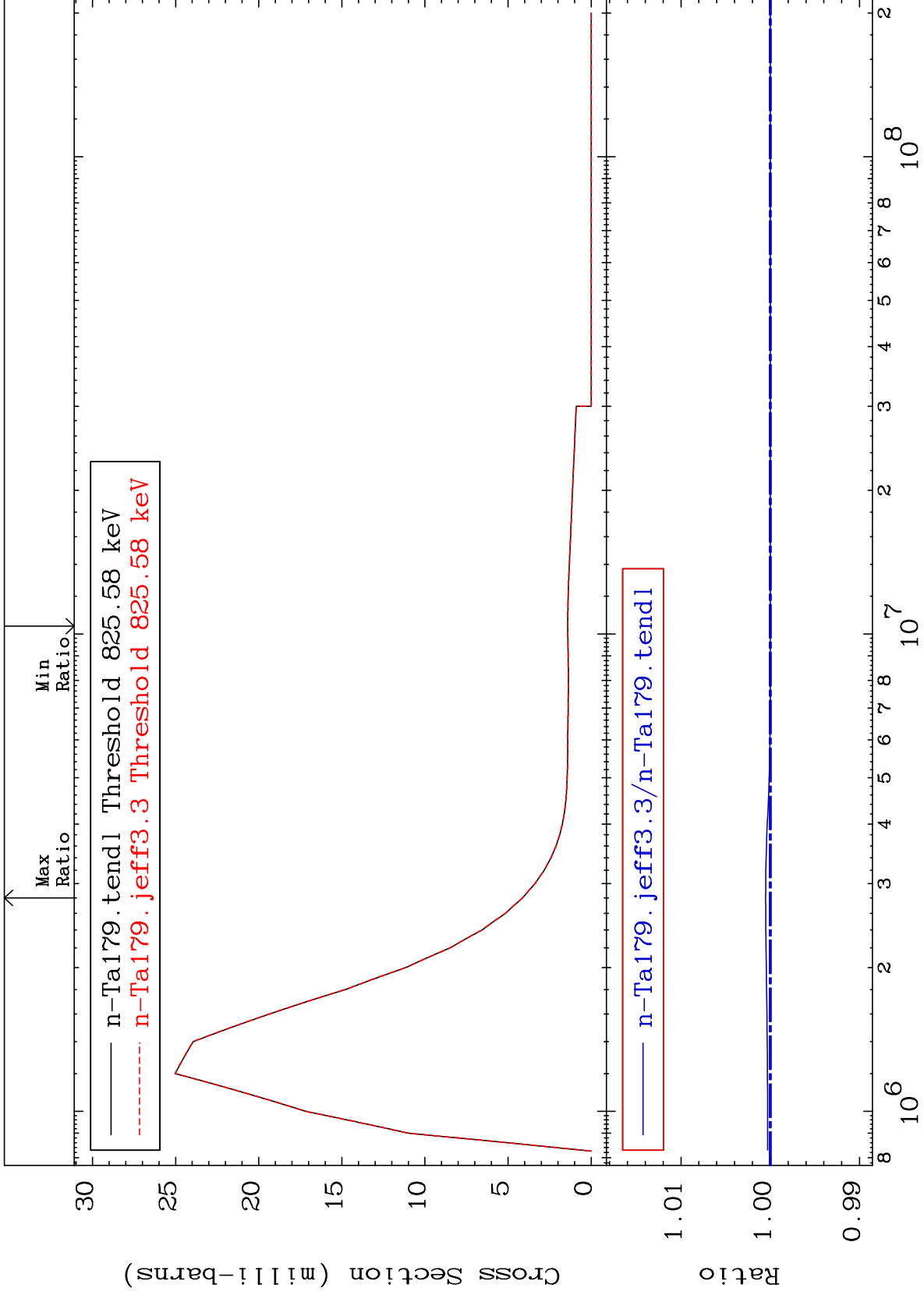
73-Ta-179
0.000 To 0.070 %



MAT 7322

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

⁷³Ta-¹⁷⁹Ta
To 0.052 %



43

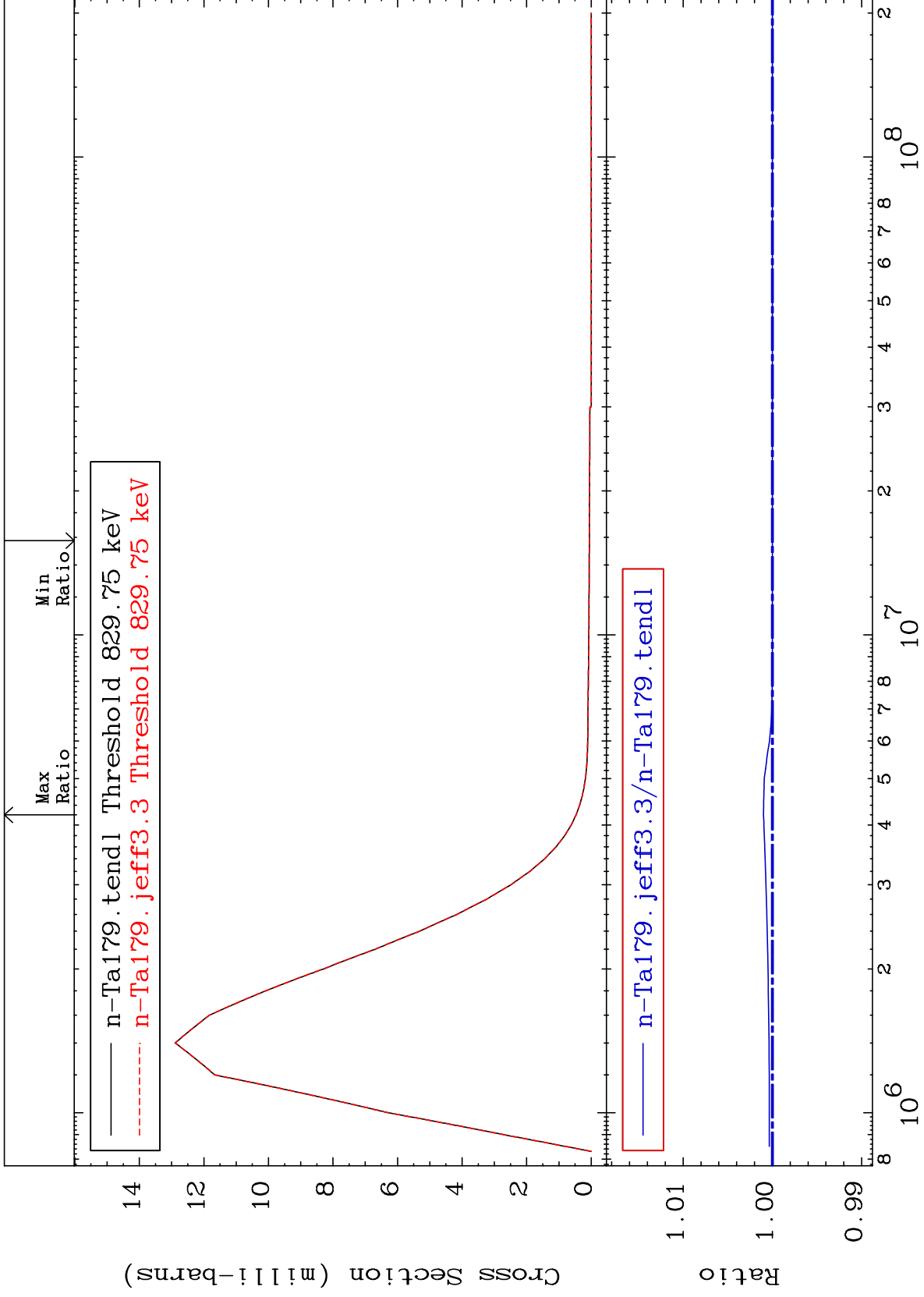
Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

MAT 7322

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

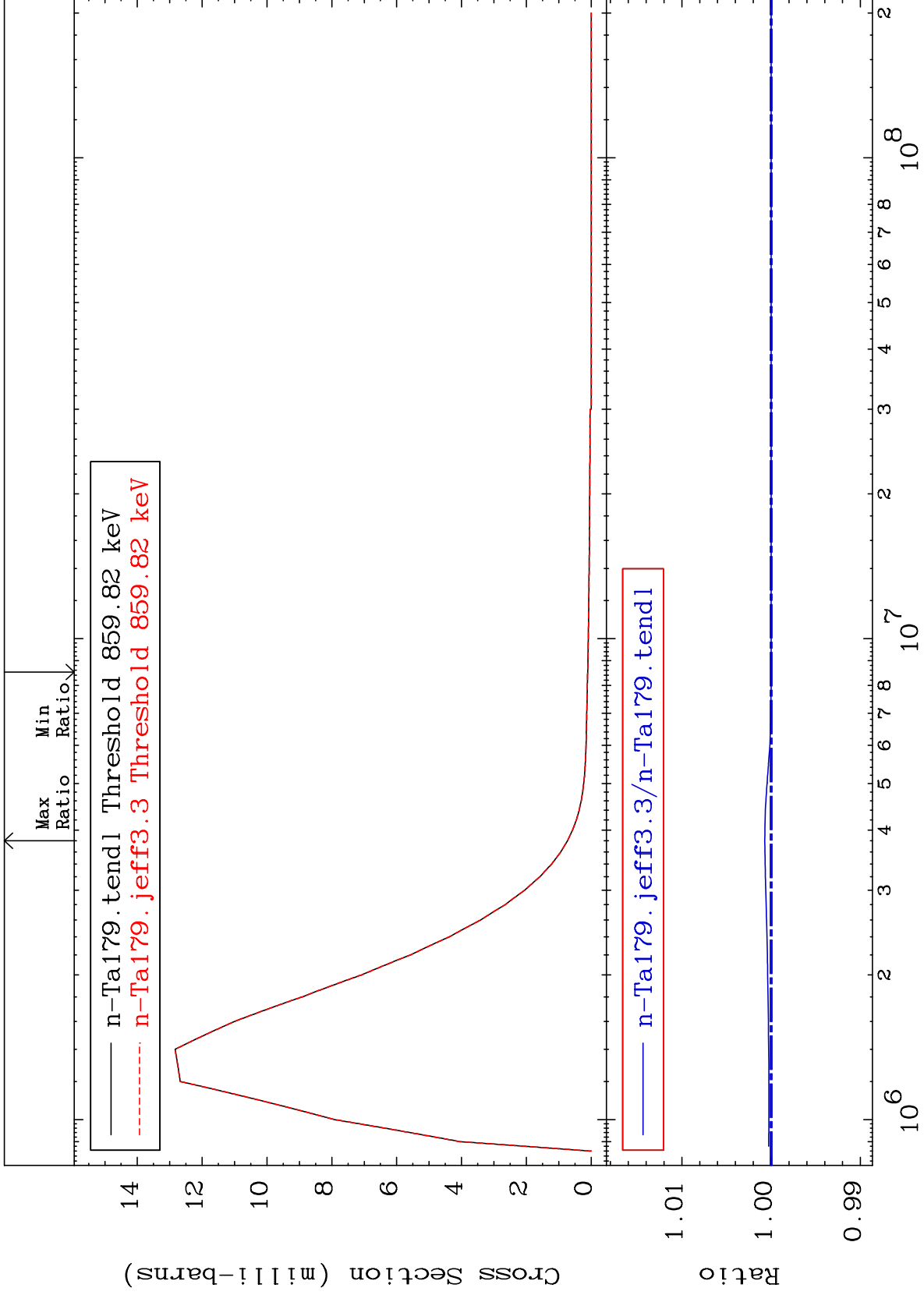
73-Ta-179
0.000 To 0.100 %



MAT 7322

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

73-Ta-179
0.000 To 0.072 %



45

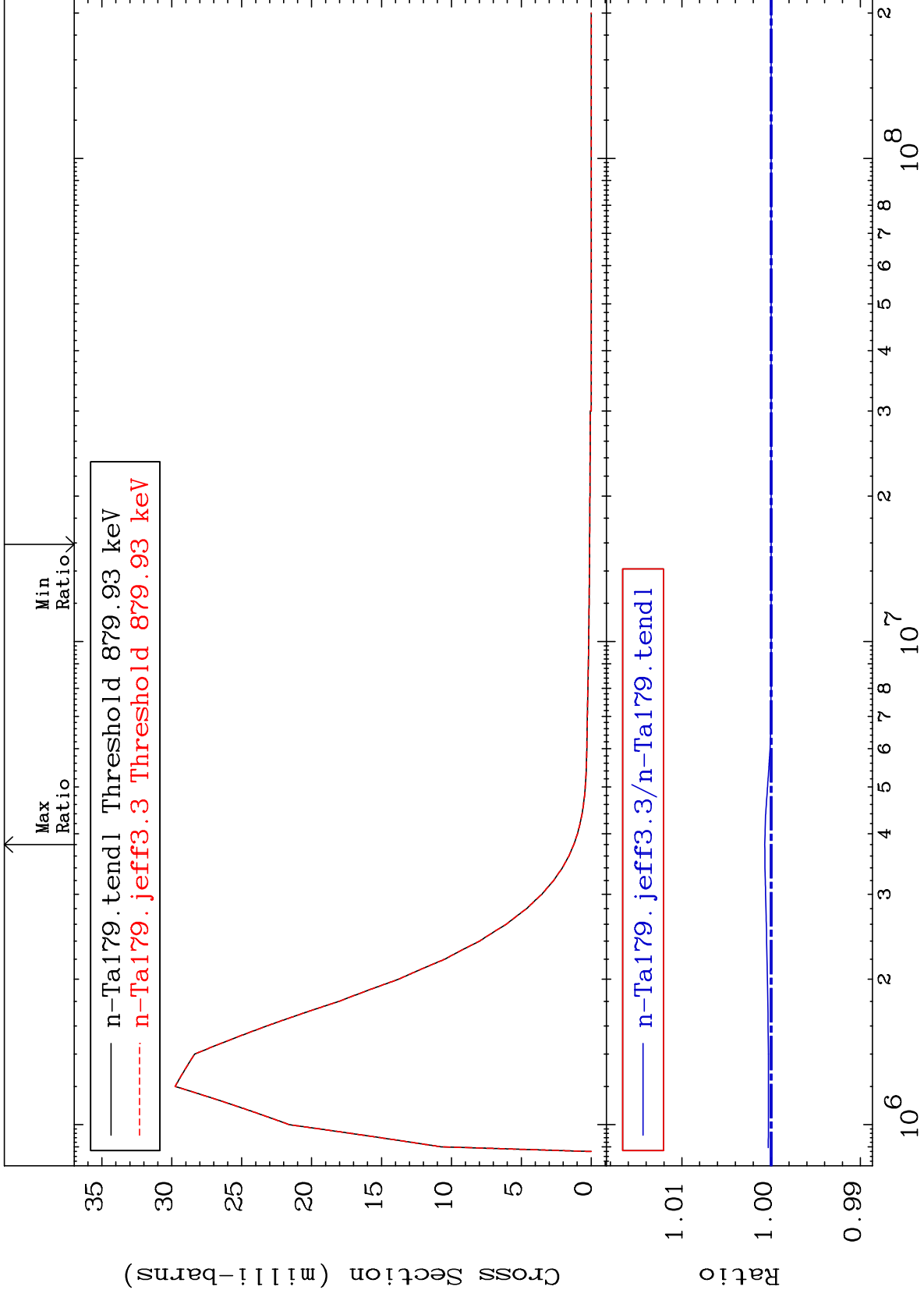
Incident Energy (eV)

73-Ta-179

MAT 7322

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

⁷³Ta-¹⁷⁹Ta
0.000 To 0.071 %



46

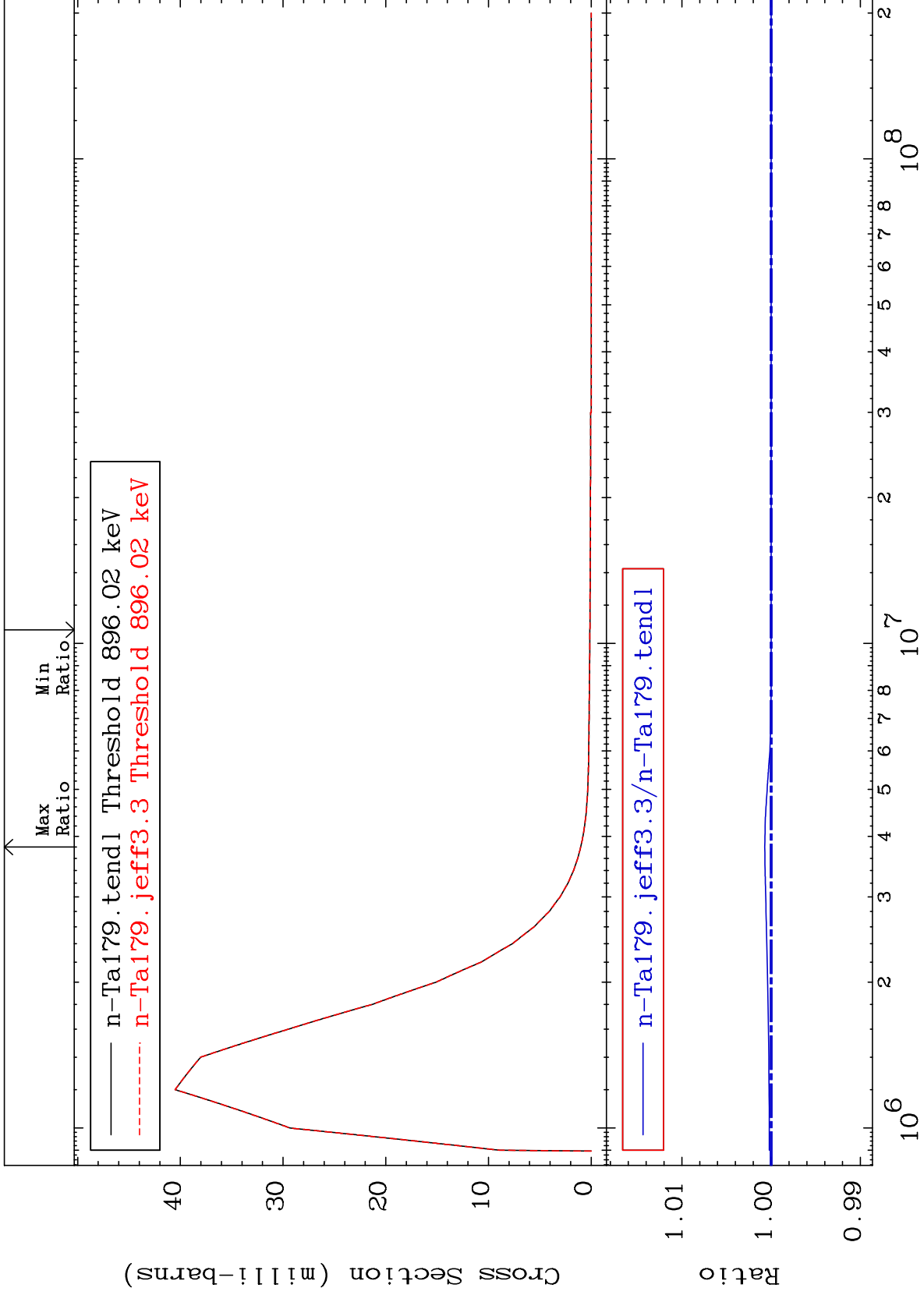
Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

MAT 7322

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

73-Ta-179
0.000 To 0.072 %



47

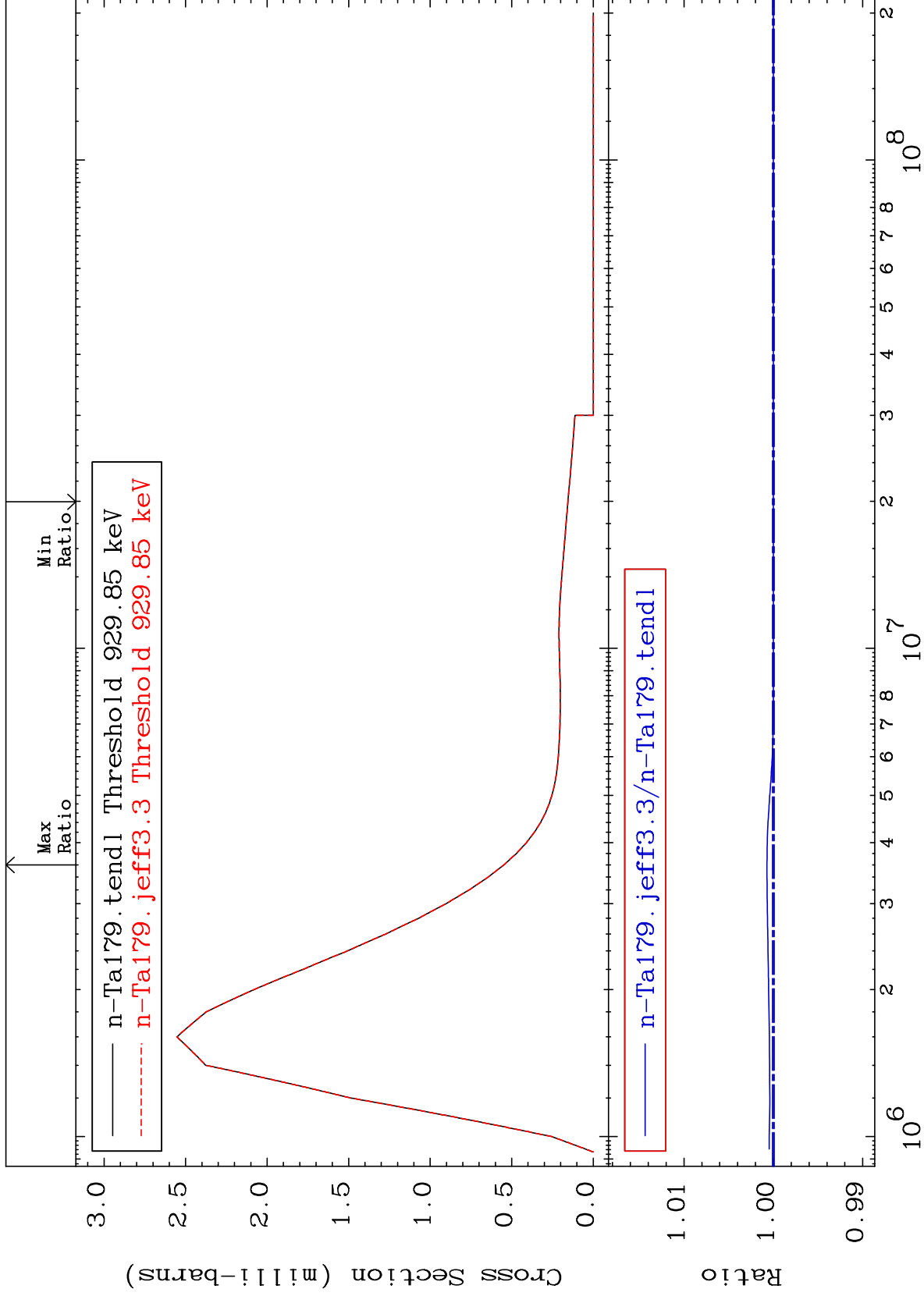
Incident Energy (eV)

73-Ta-179

MAT 7322

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

73-Ta-179
0.000 To 0.072 %



48

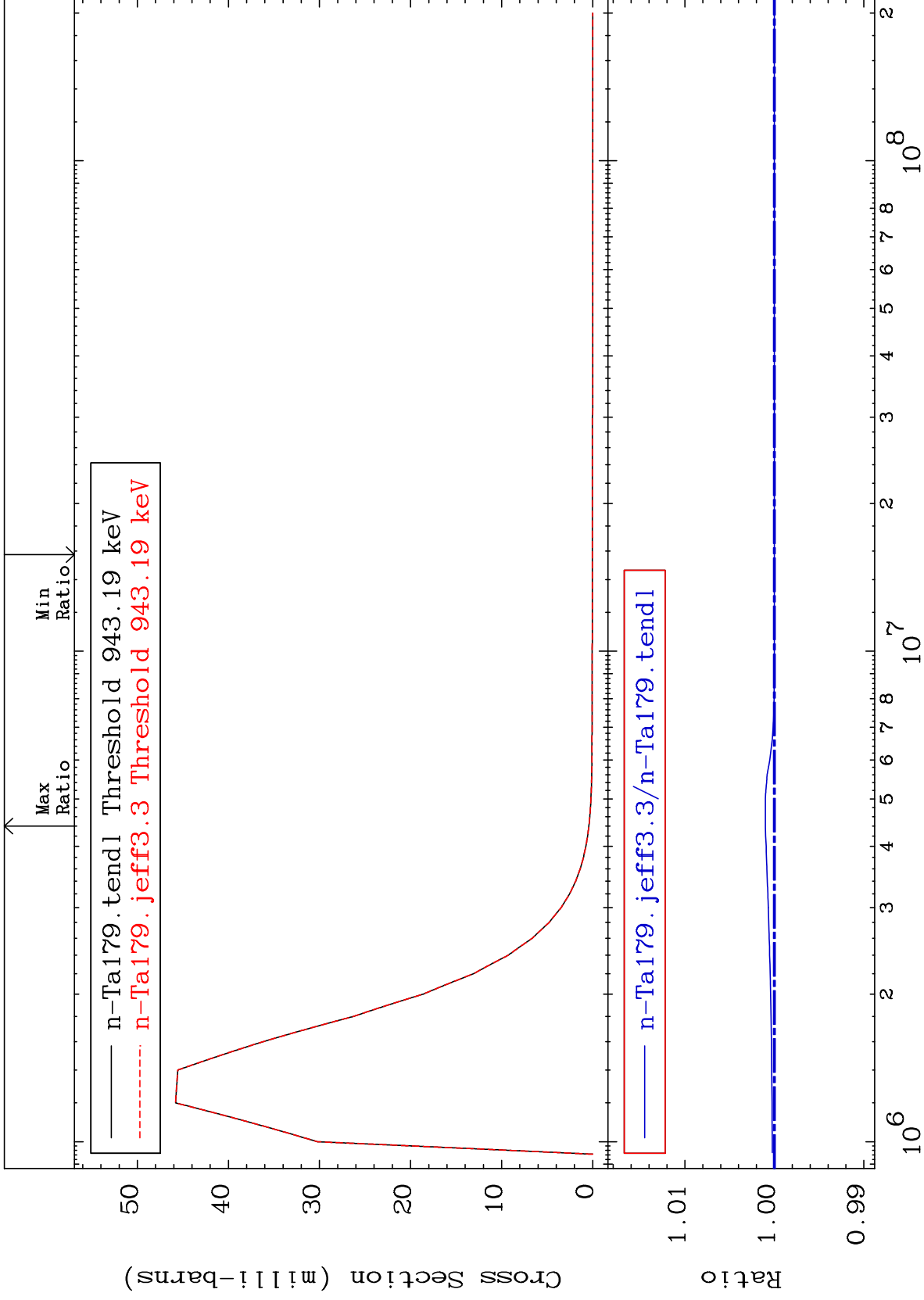
Incident Energy (eV)

73-Ta-179

MAT 7322

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

73-Ta-179
0.000 To 0.100 %



49

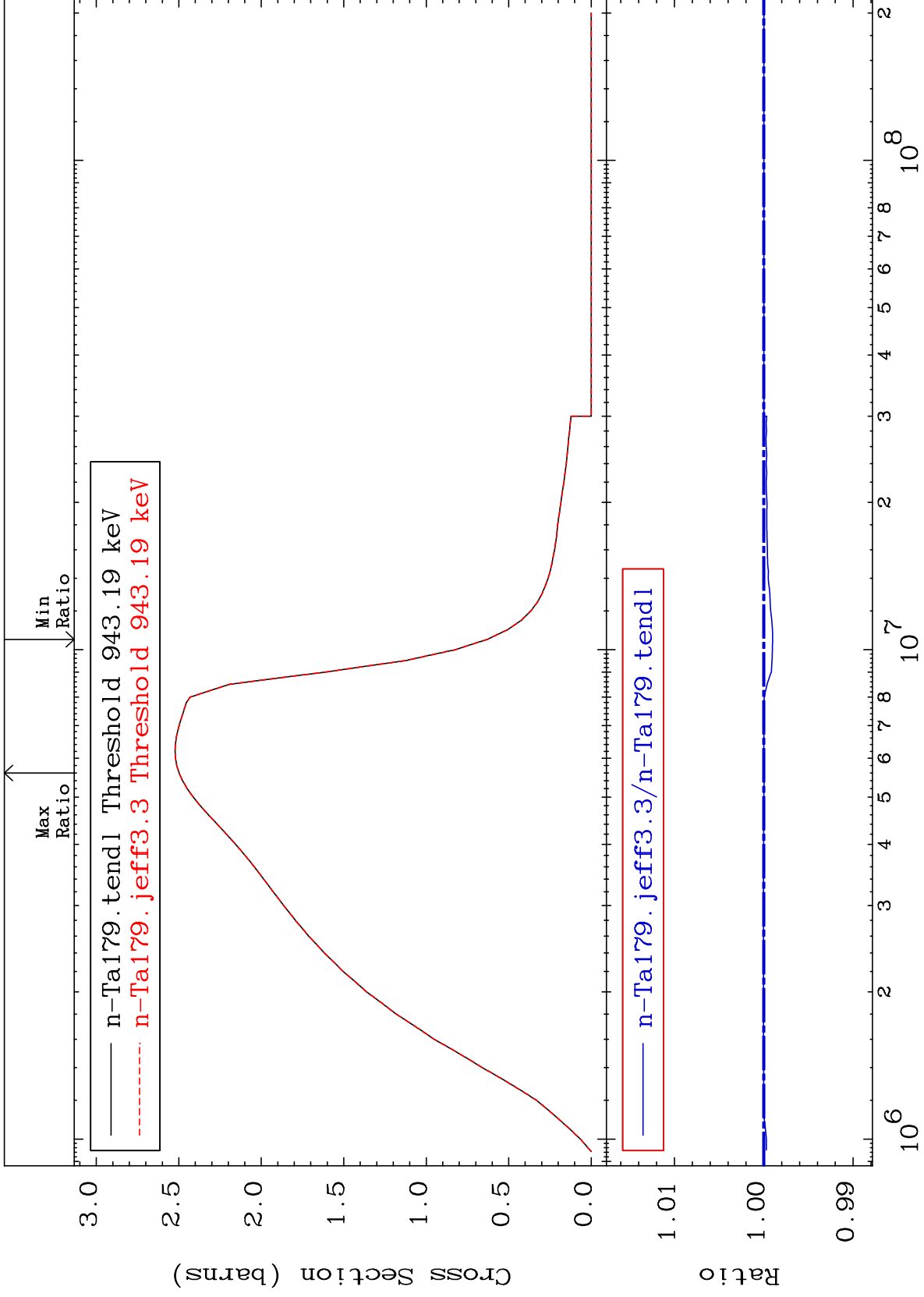
Incident Energy (eV)

73-Ta-179

MAT 7322

(n, n') Continuum
Cross Section

⁷³Ta-¹⁷⁹Ta
-0.099 To 0.007 %

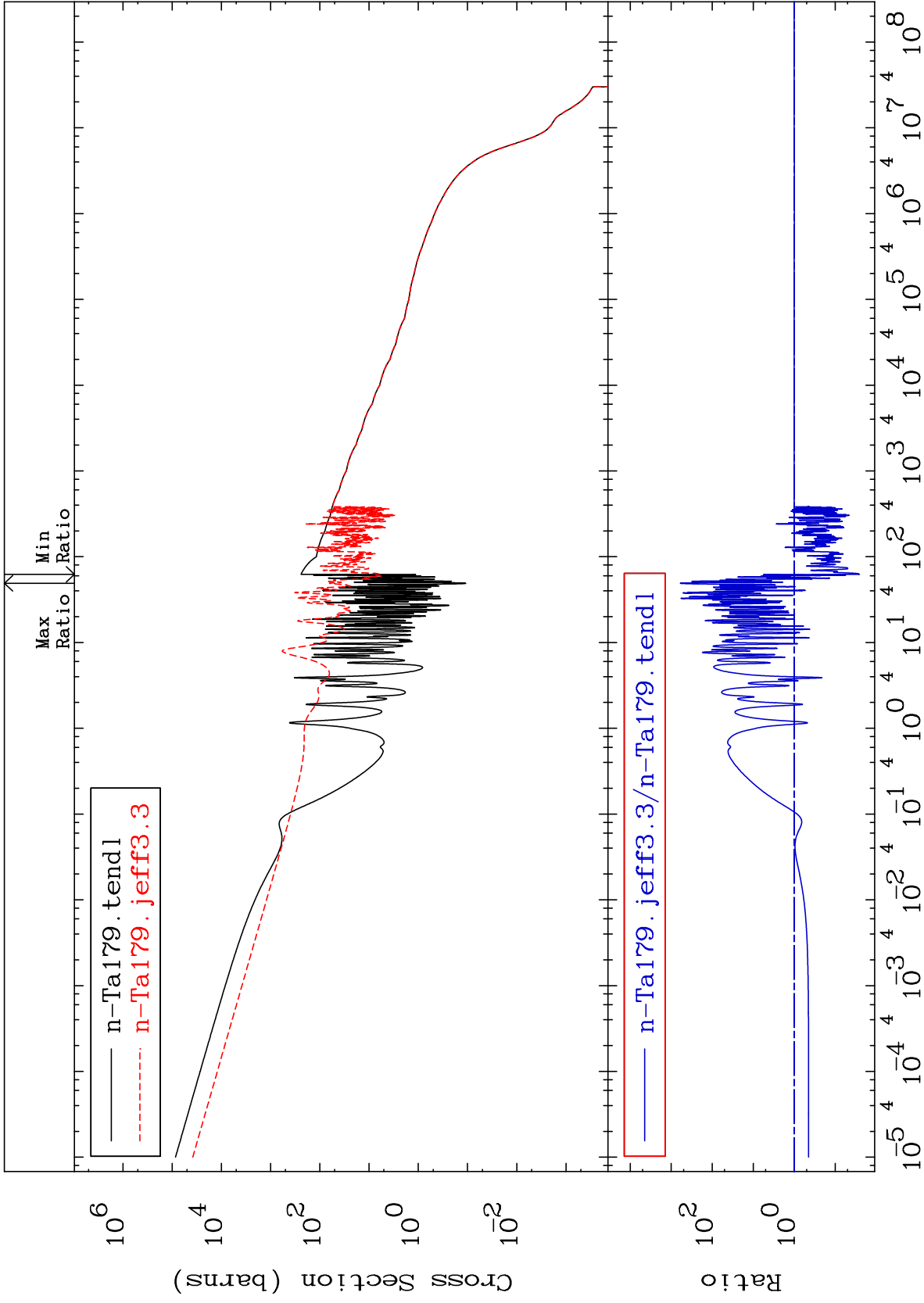


Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

MAT 7322

(n, γ)
Cross Section
73-Ta-179
-97.43 To 9999. %



51

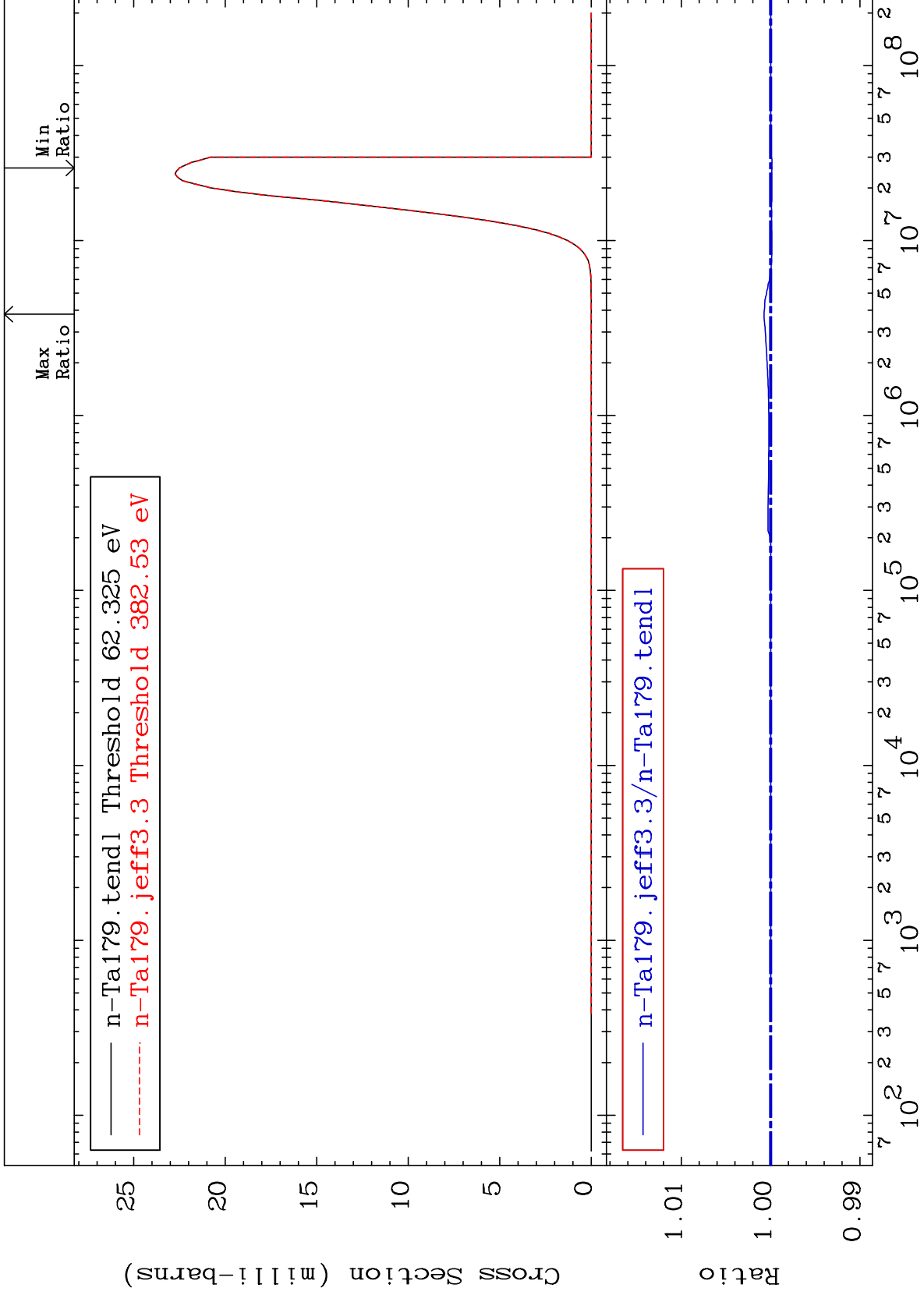
Incident Energy (eV)

73-Ta-179

MAT 7322

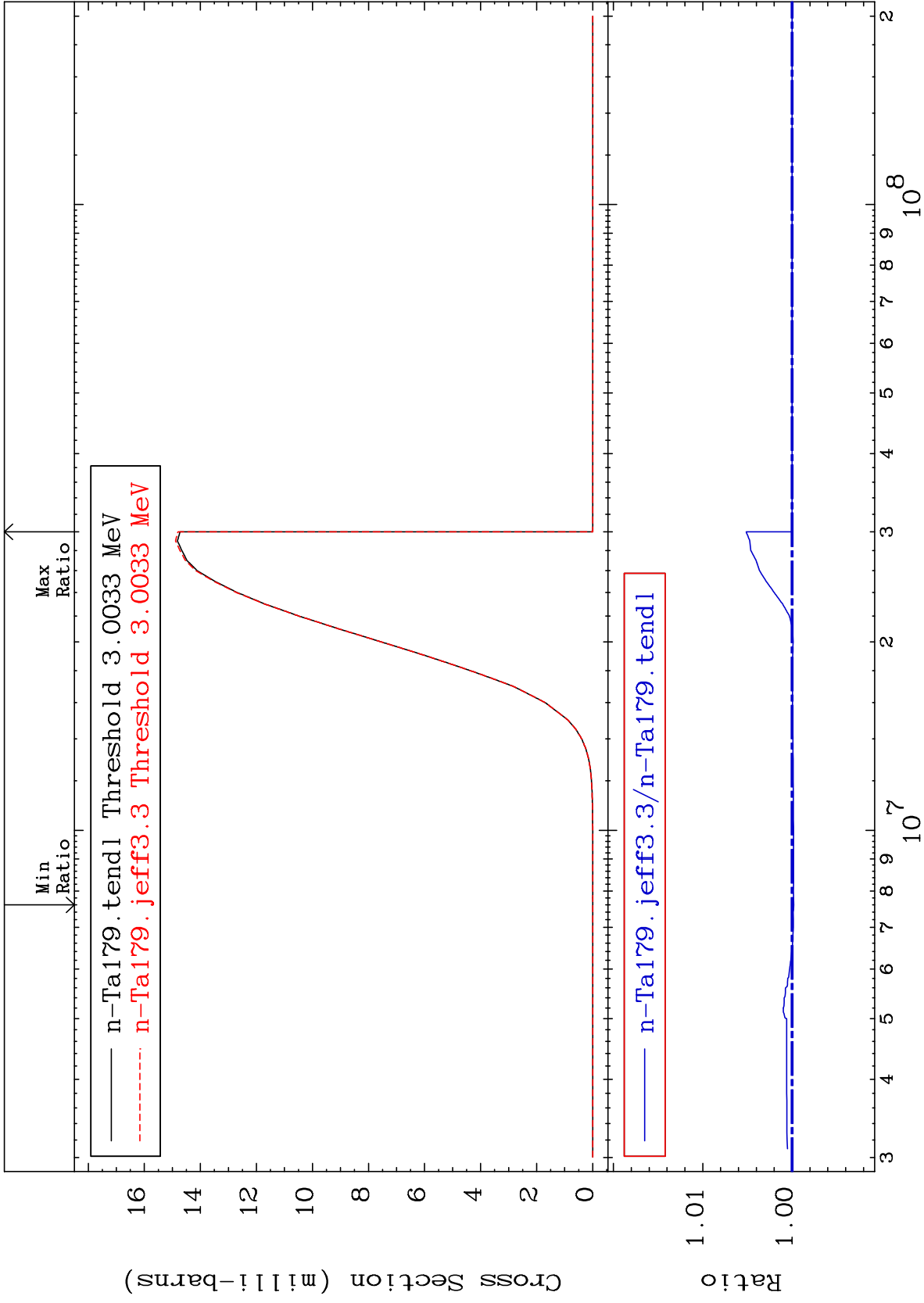
(n,p)
Cross Section

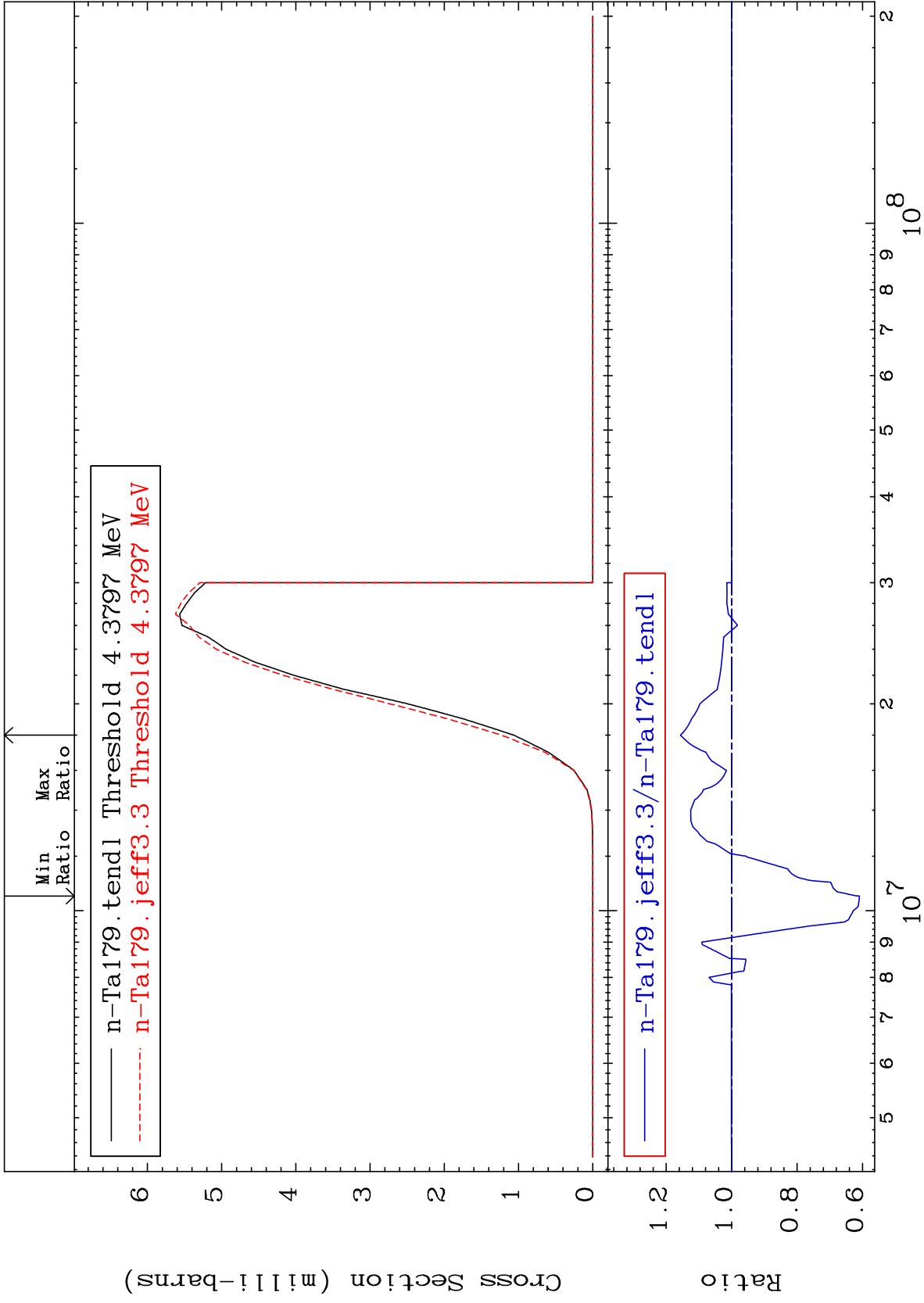
73-Ta-179
-0.014 To 0.074 %



MAT 7322

(n, d)
Cross Section
73-Ta-179
-0.018 To 0.514 %





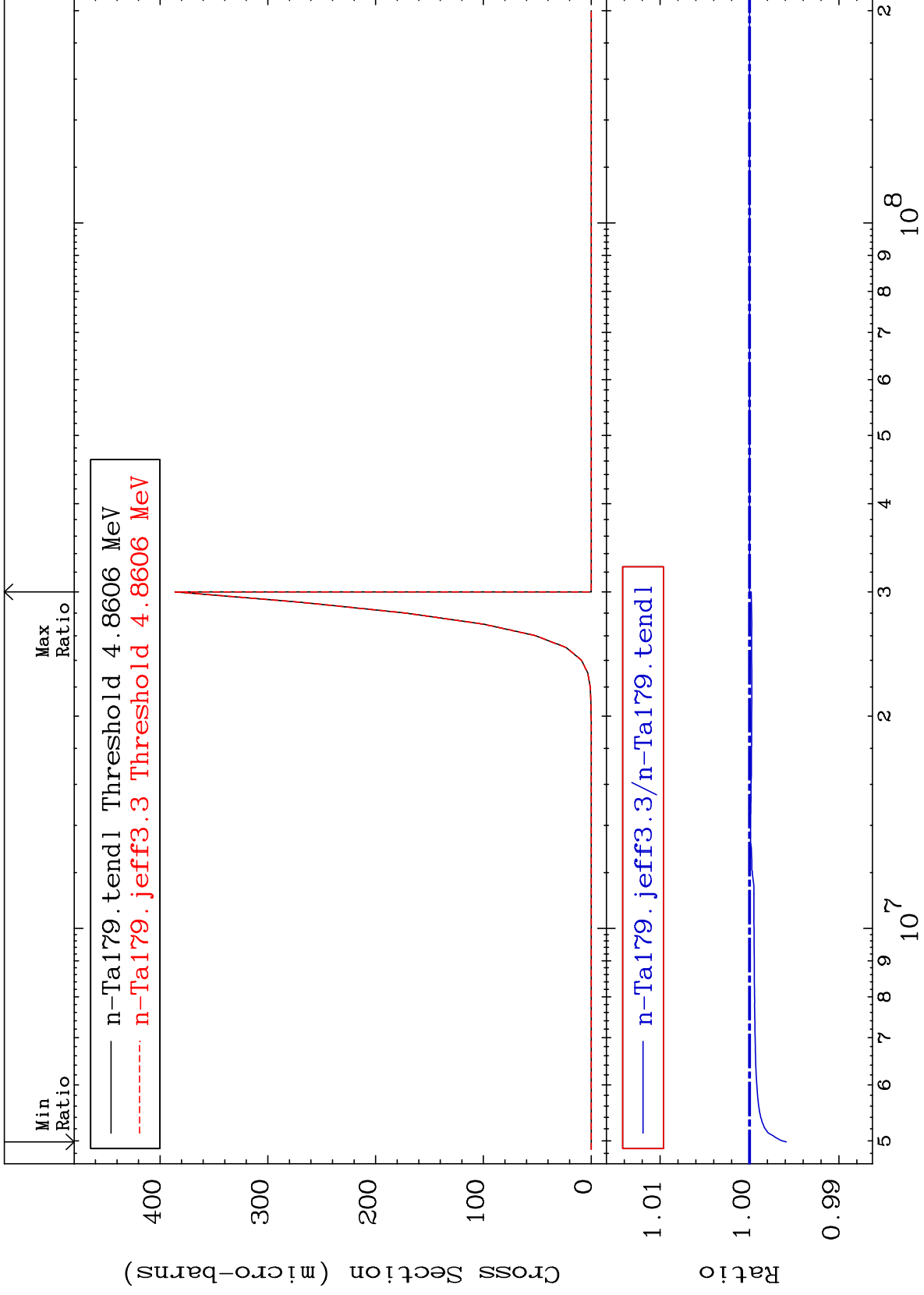
MAT 7322

(n, He-3)

⁷³Ta-¹⁷⁹

Cross Section

-0.412 To 0.000 %



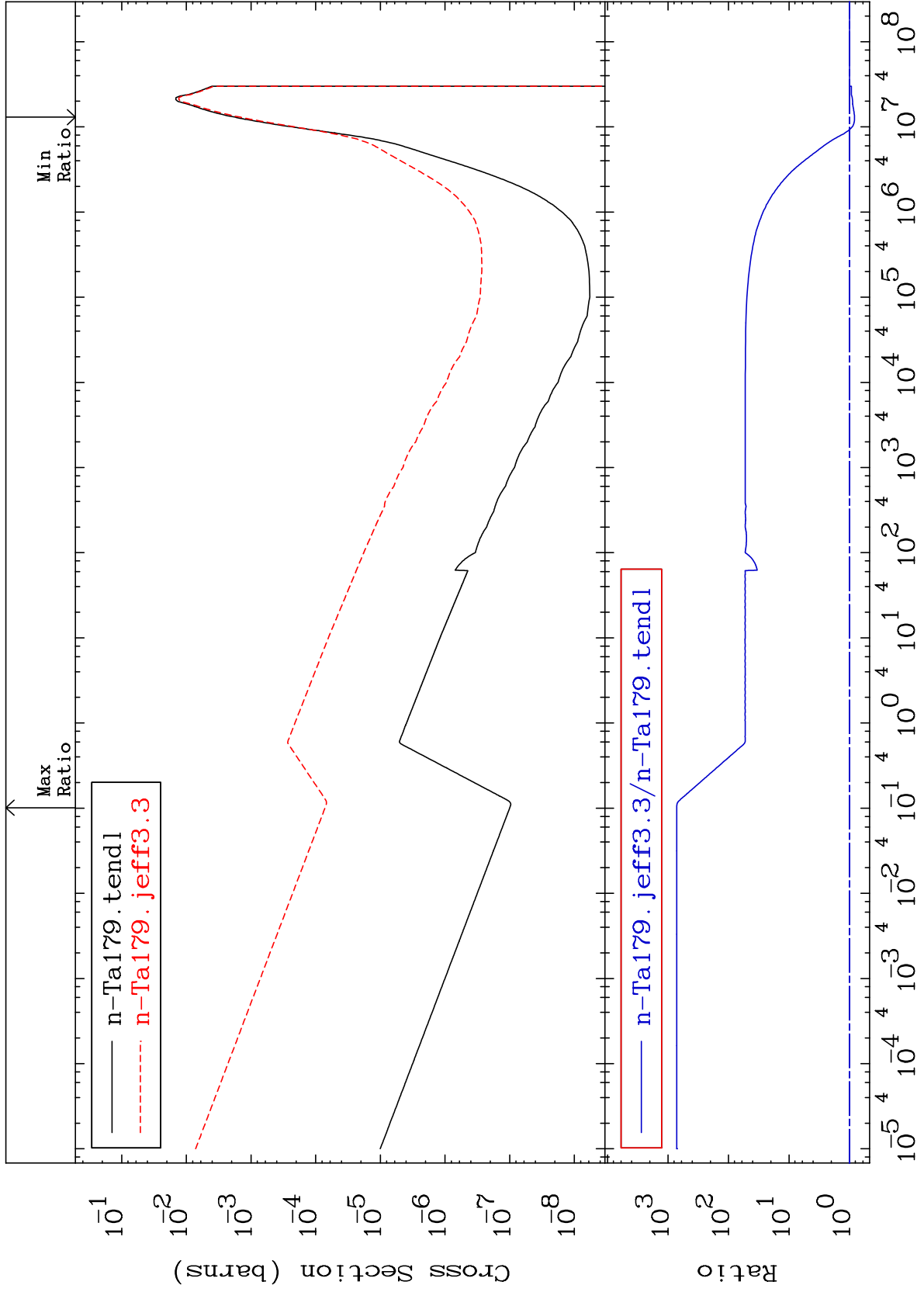
MAT 7322

(n, α)

Cross Section

⁷³Ta-179

-17.44 To 9999. %

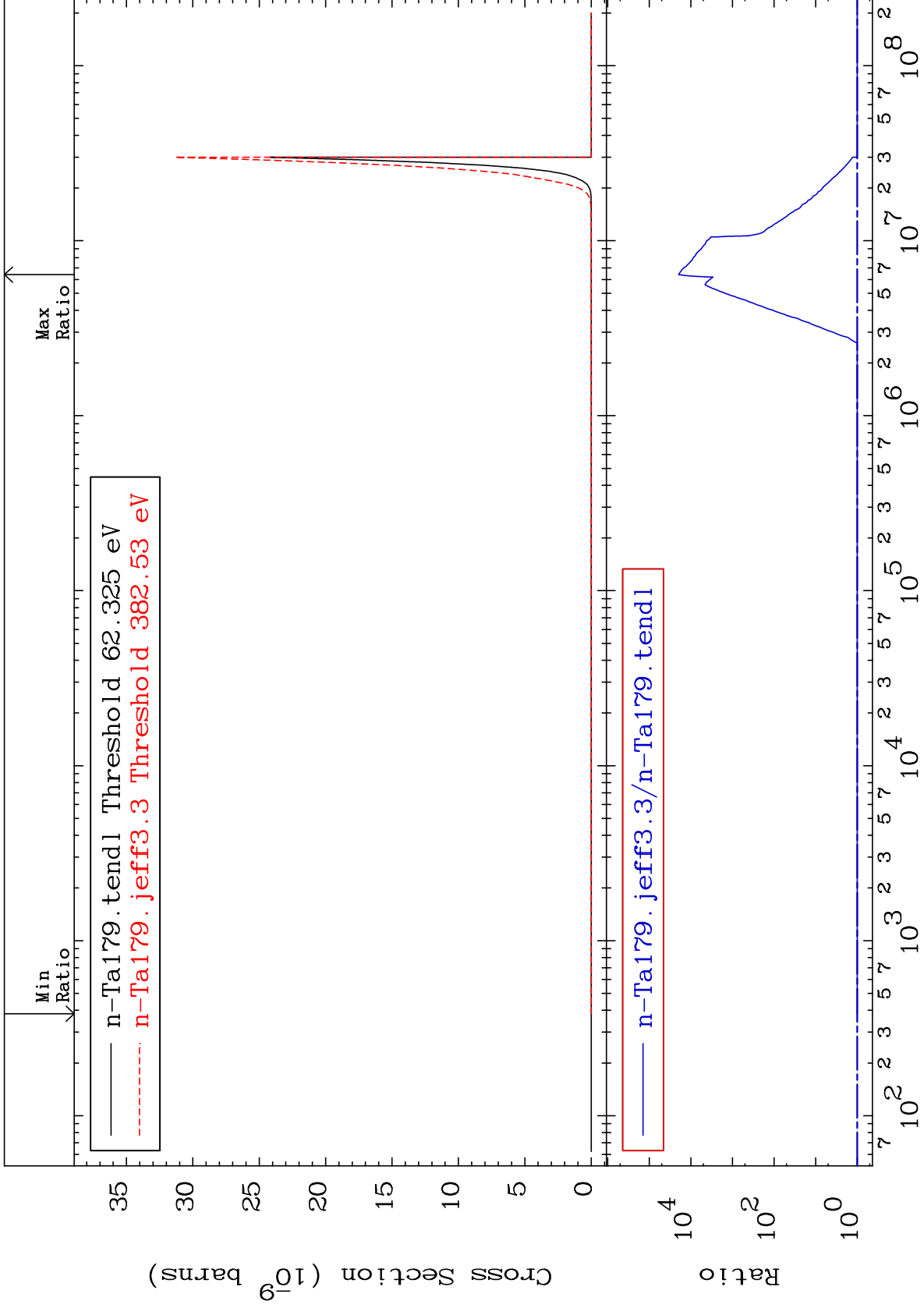


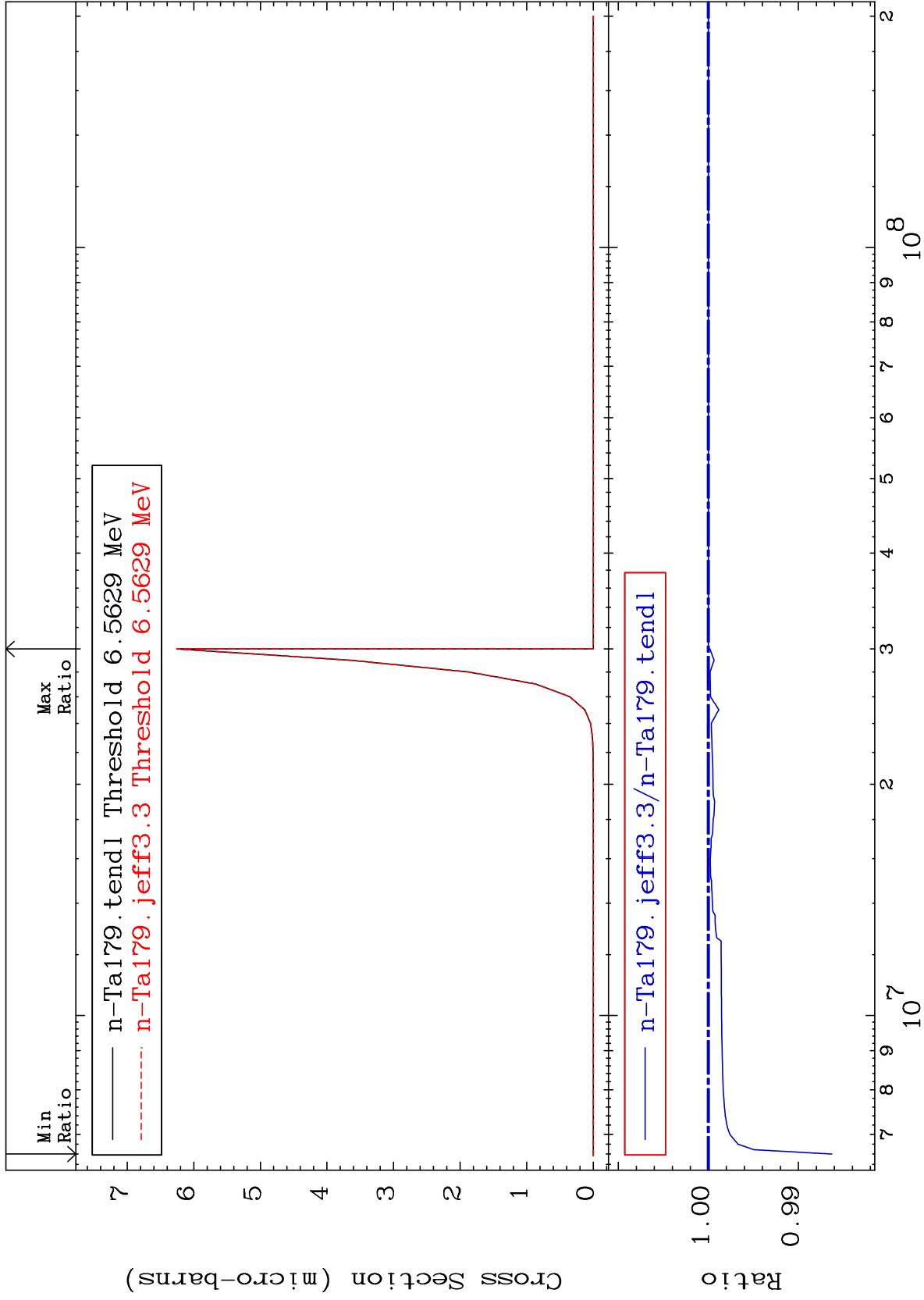
MAT 7322

(n,2α)

Cross Section

73-Ta-179
To 9999. %

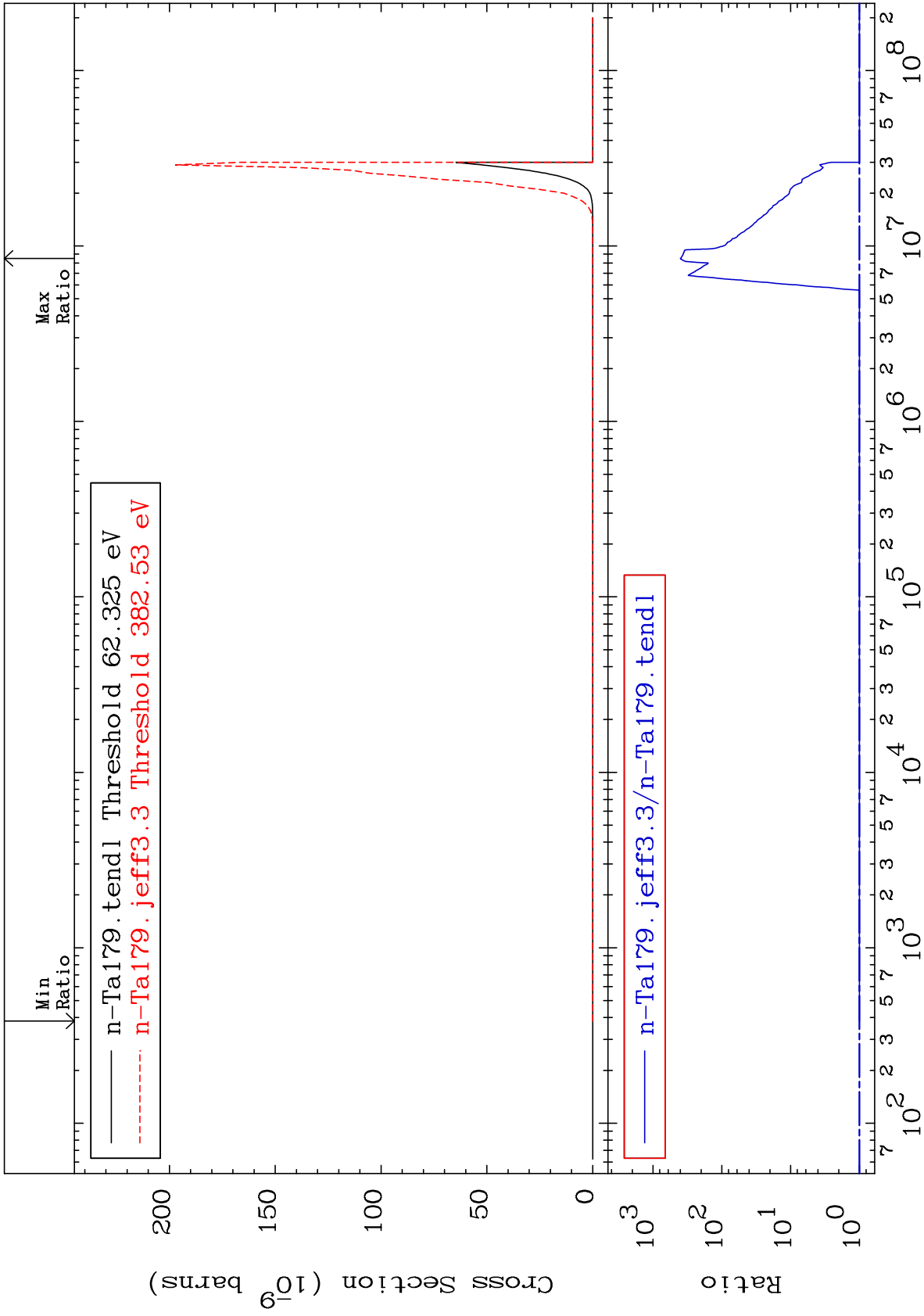




MAT 7322

(n,p) α
Cross Section

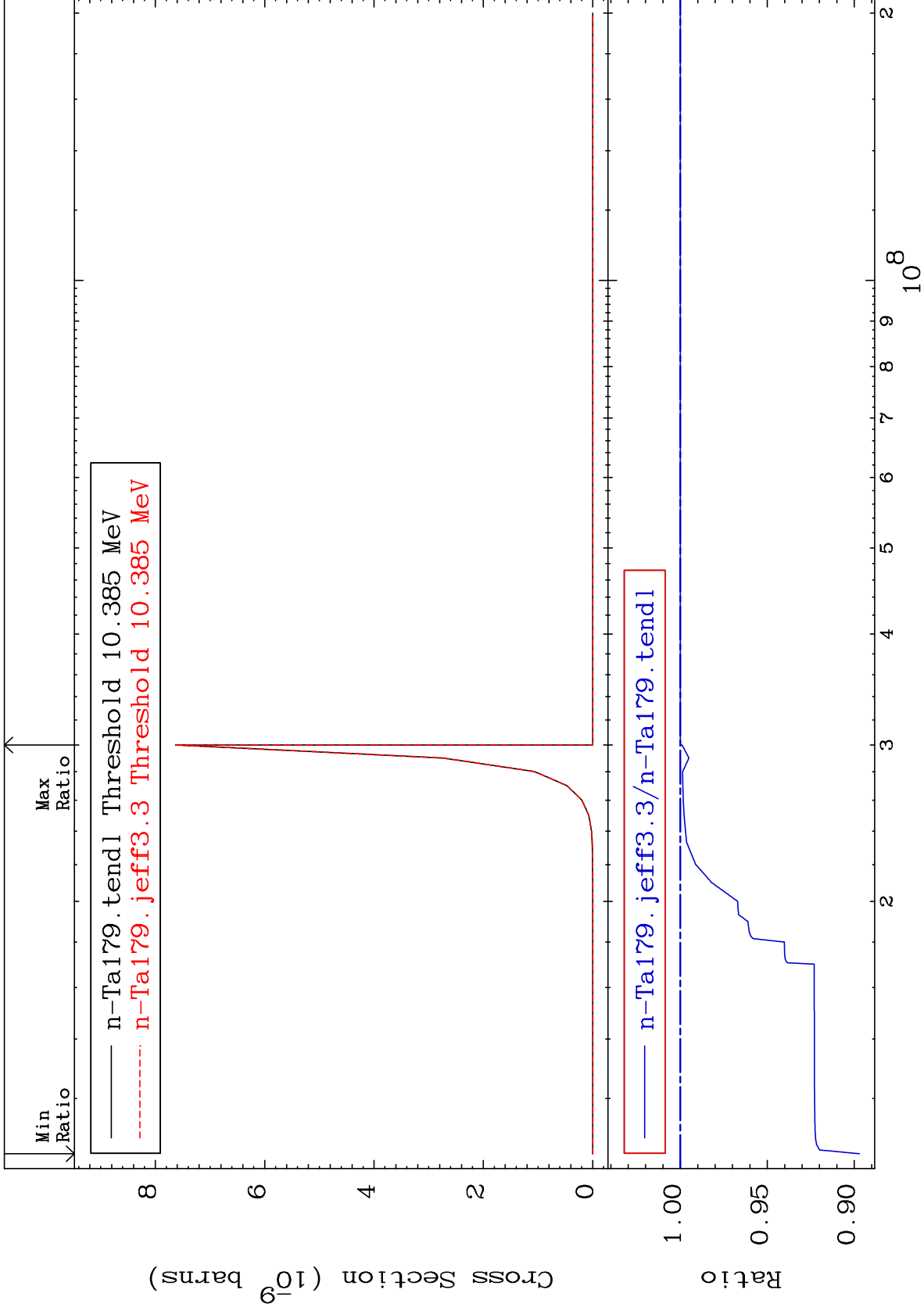
73-Ta-179
To 9999. %



MAT 7322

(n,p) d
Cross Section

⁷³Ta-¹⁷⁹Ta
-10.30 To 0.000 %



60

Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

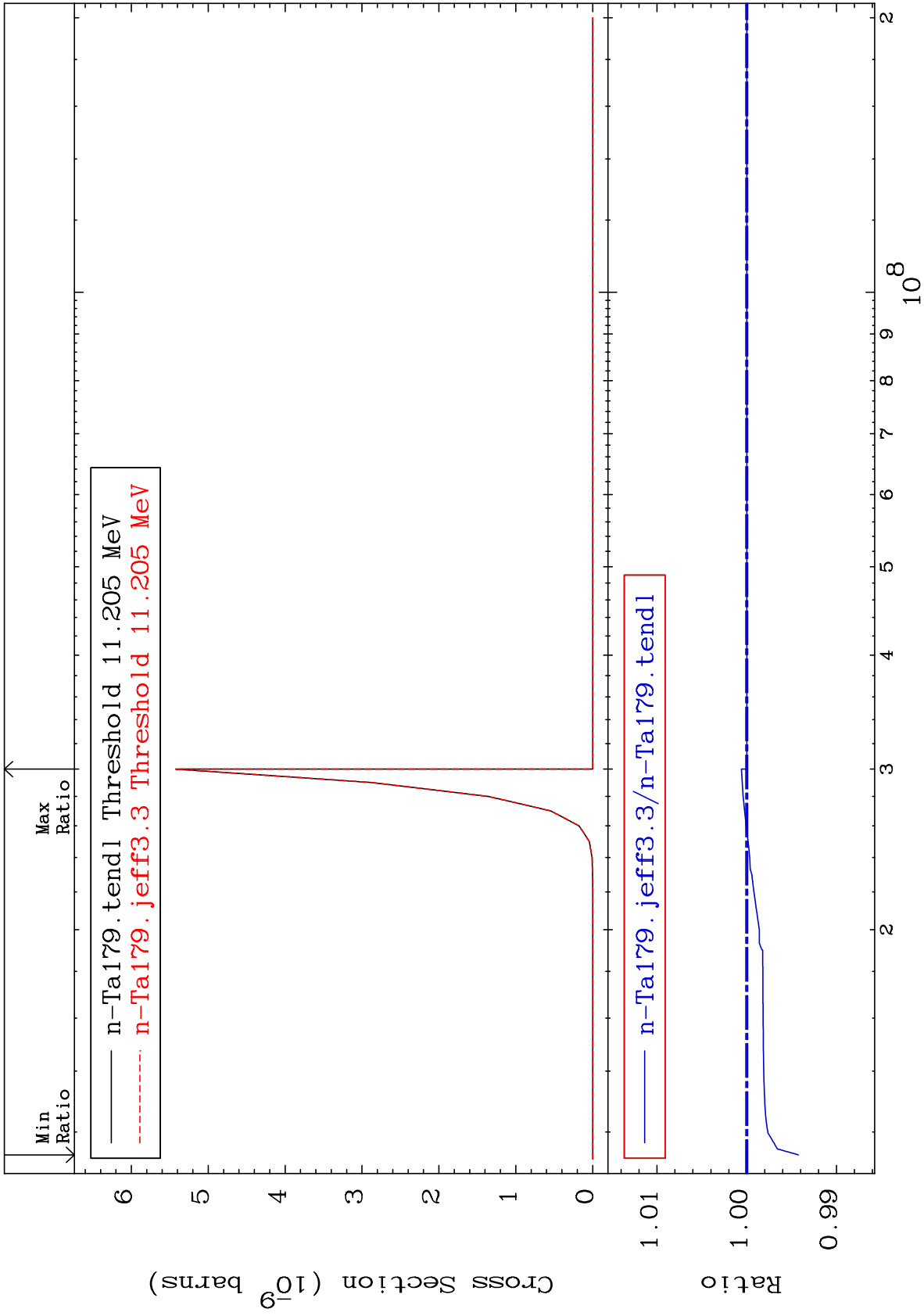
MAT 7322

(n,p) t

⁷³Ta-179

Cross Section

-0.574 To 0.059 %



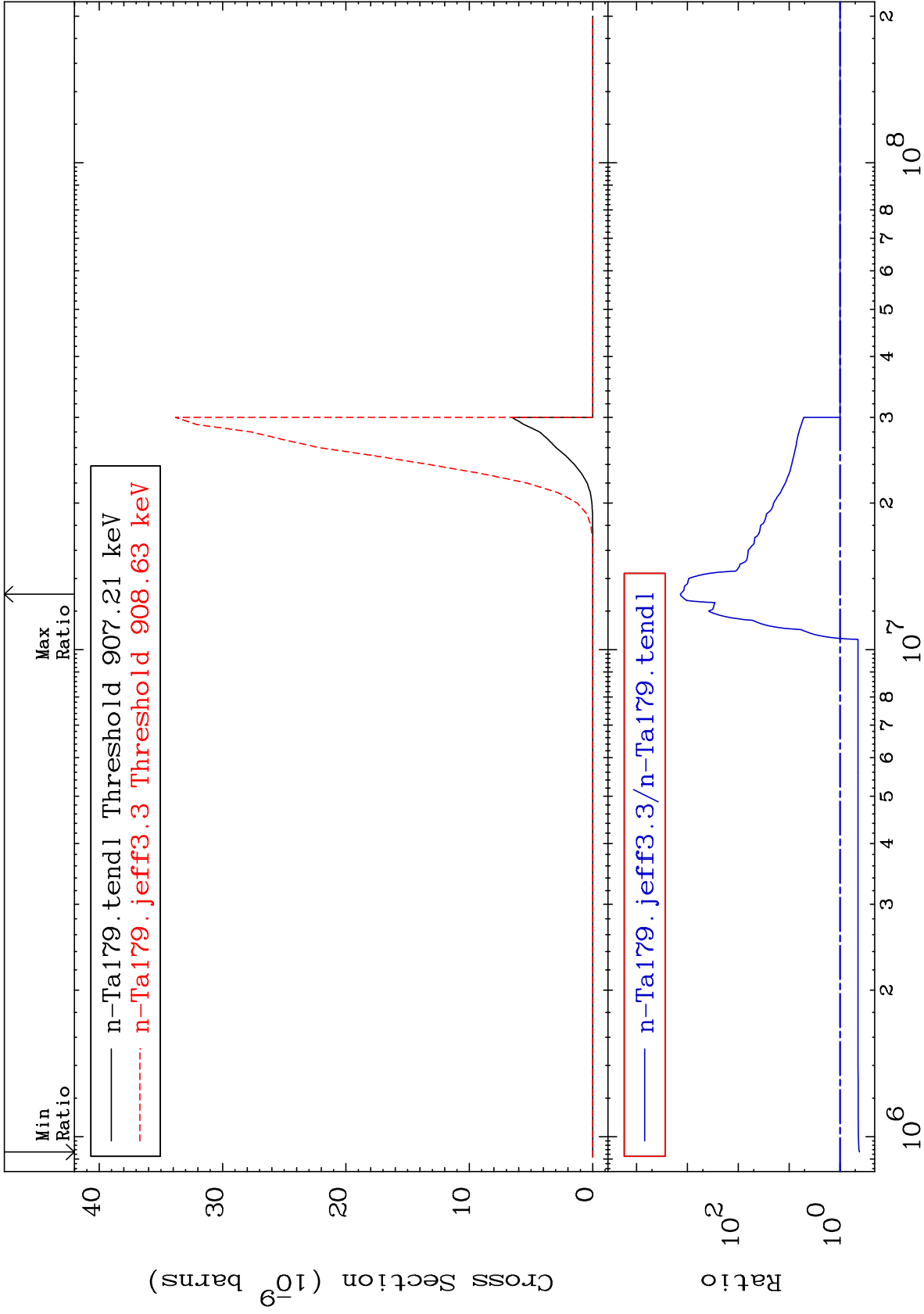
61

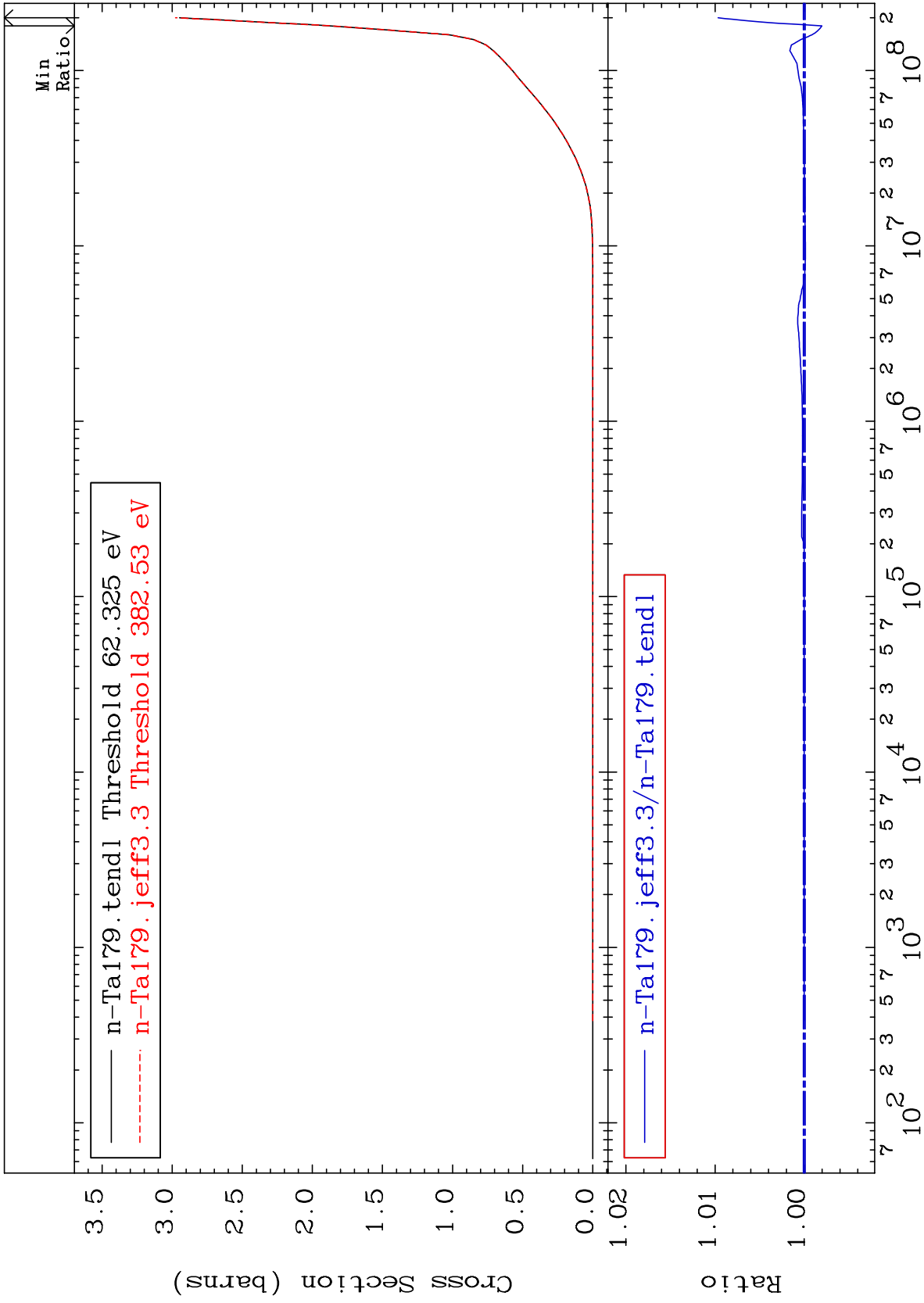
Incident Energy (eV)

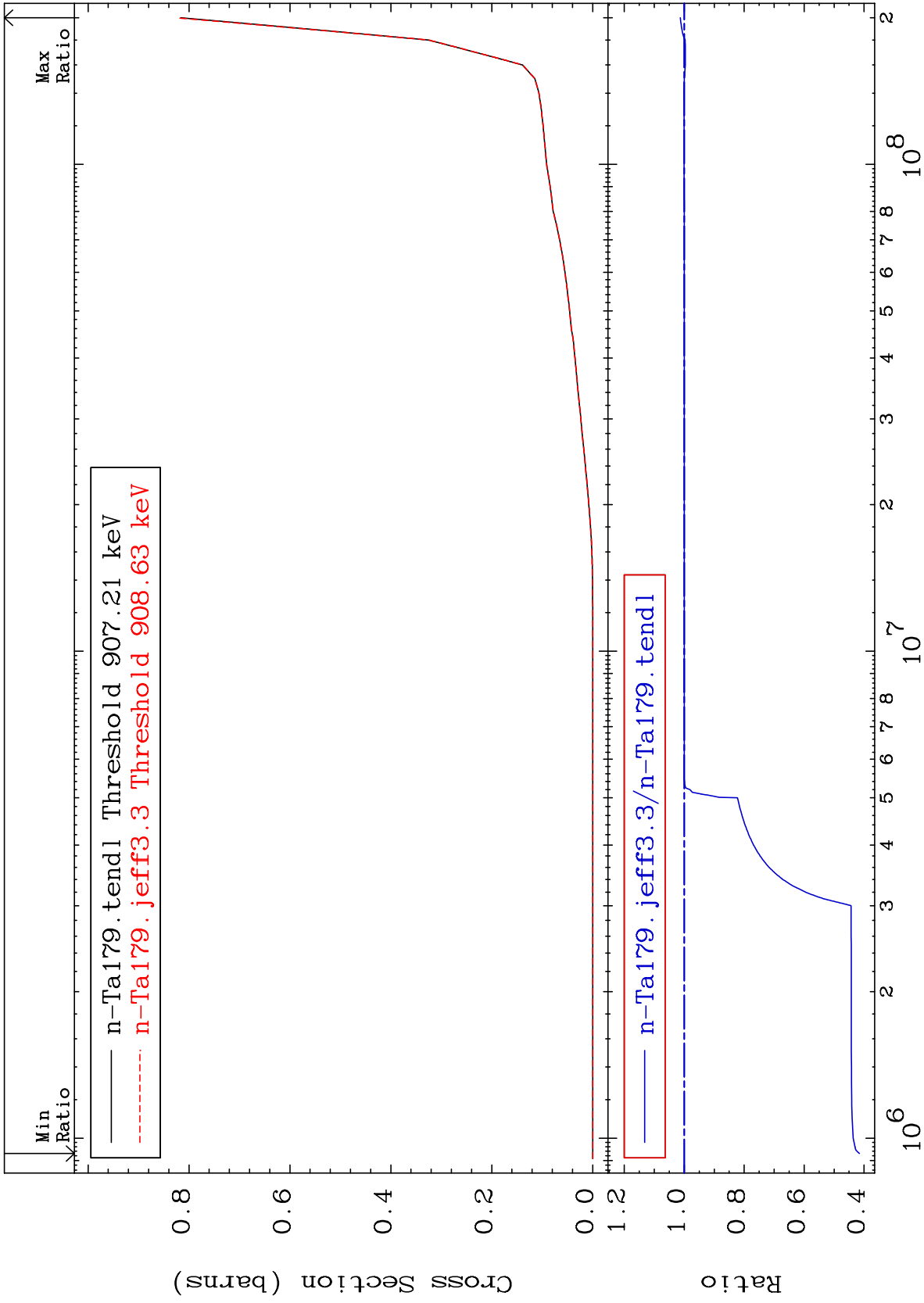
⁷³Ta-179

MAT 7322

(n, d) α Cross Section
73-Ta-179
-58.45 To 9999. %



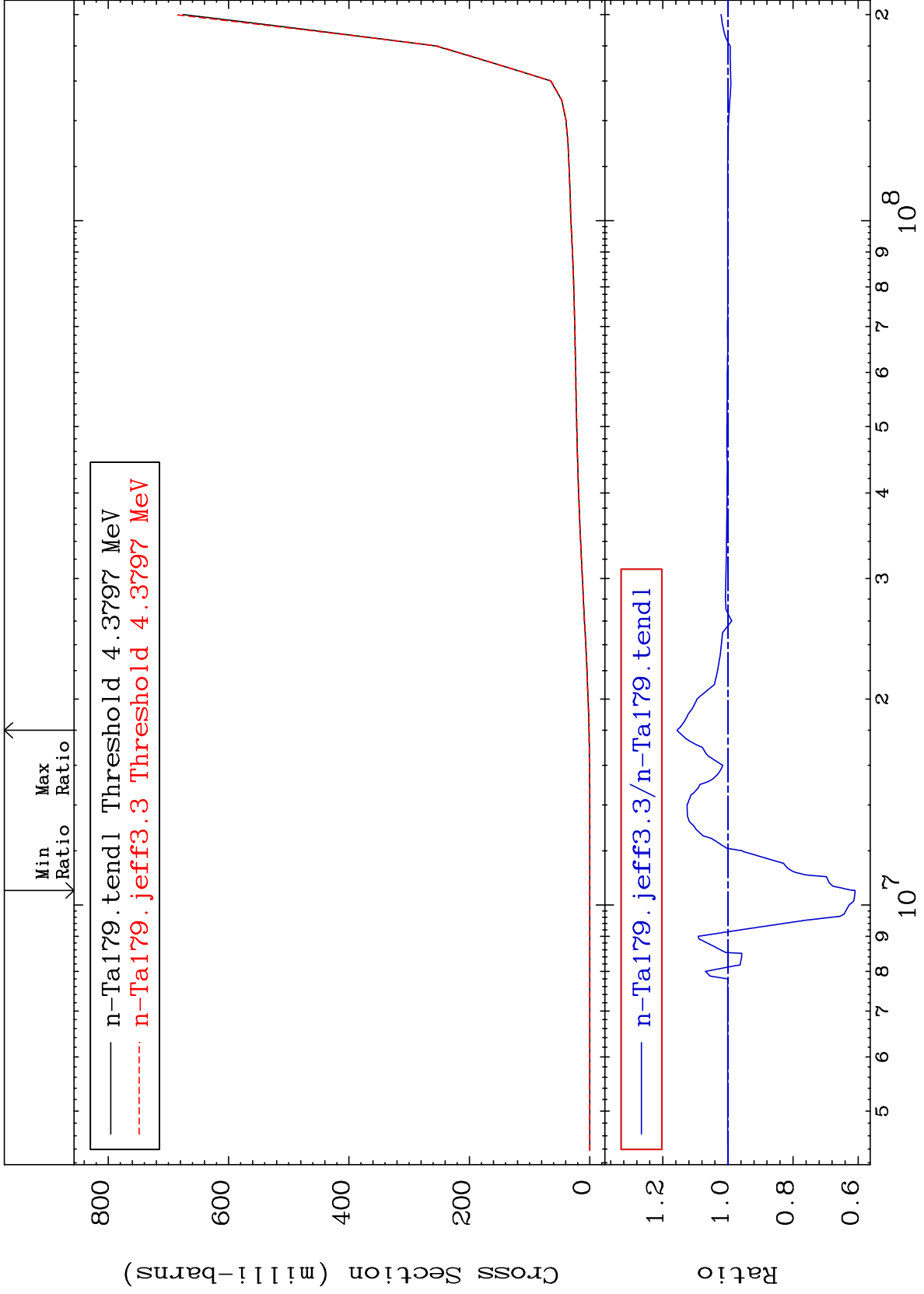




MAT 7322

Tritium Production
Cross Section

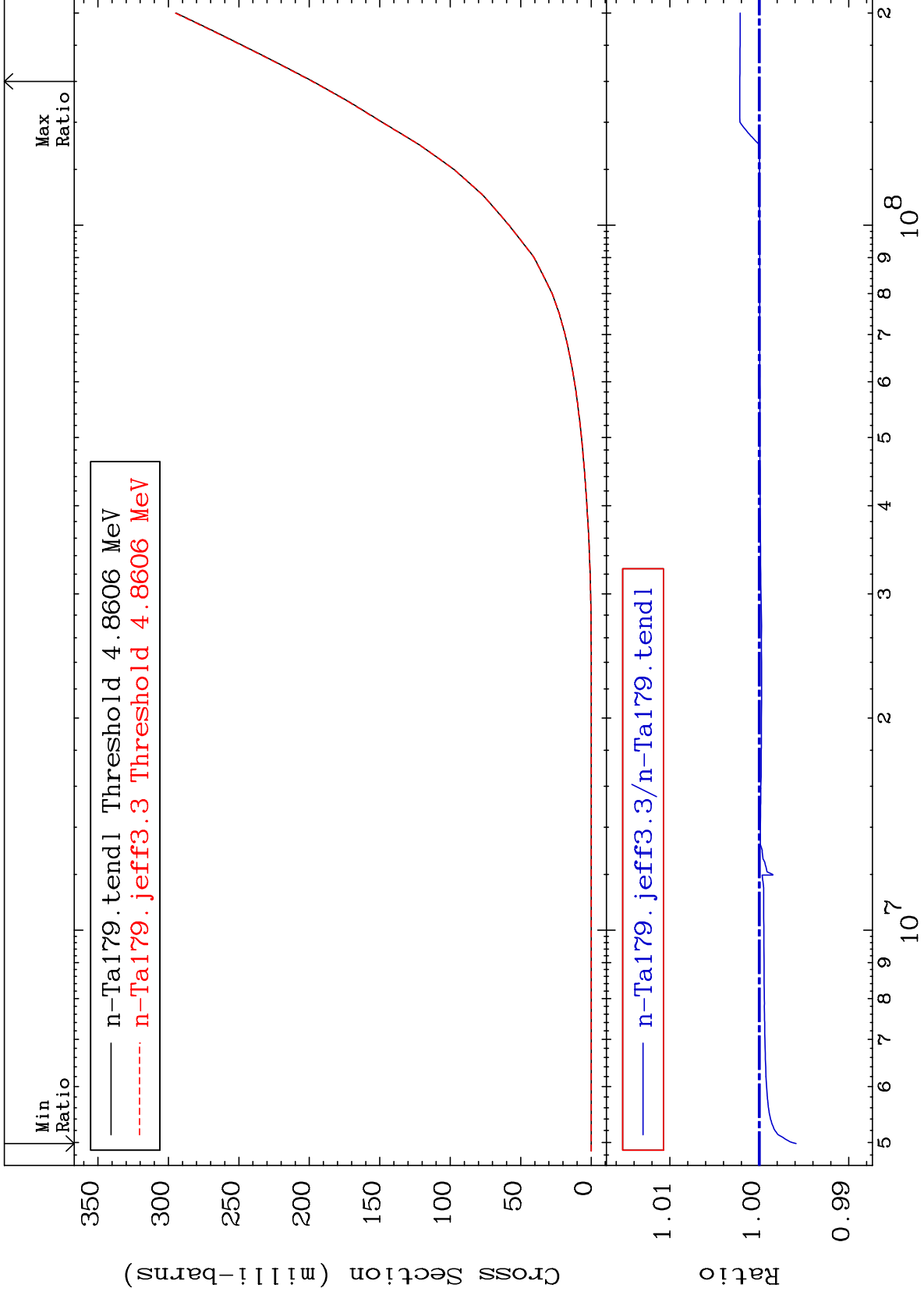
⁷³Ta-¹⁷⁹Ta
-39.05 To 15.67 %



MAT 7322

He-3 Production
Cross Section

⁷³Ta-¹⁷⁹Ta
-0.412 To 0.219 %



66

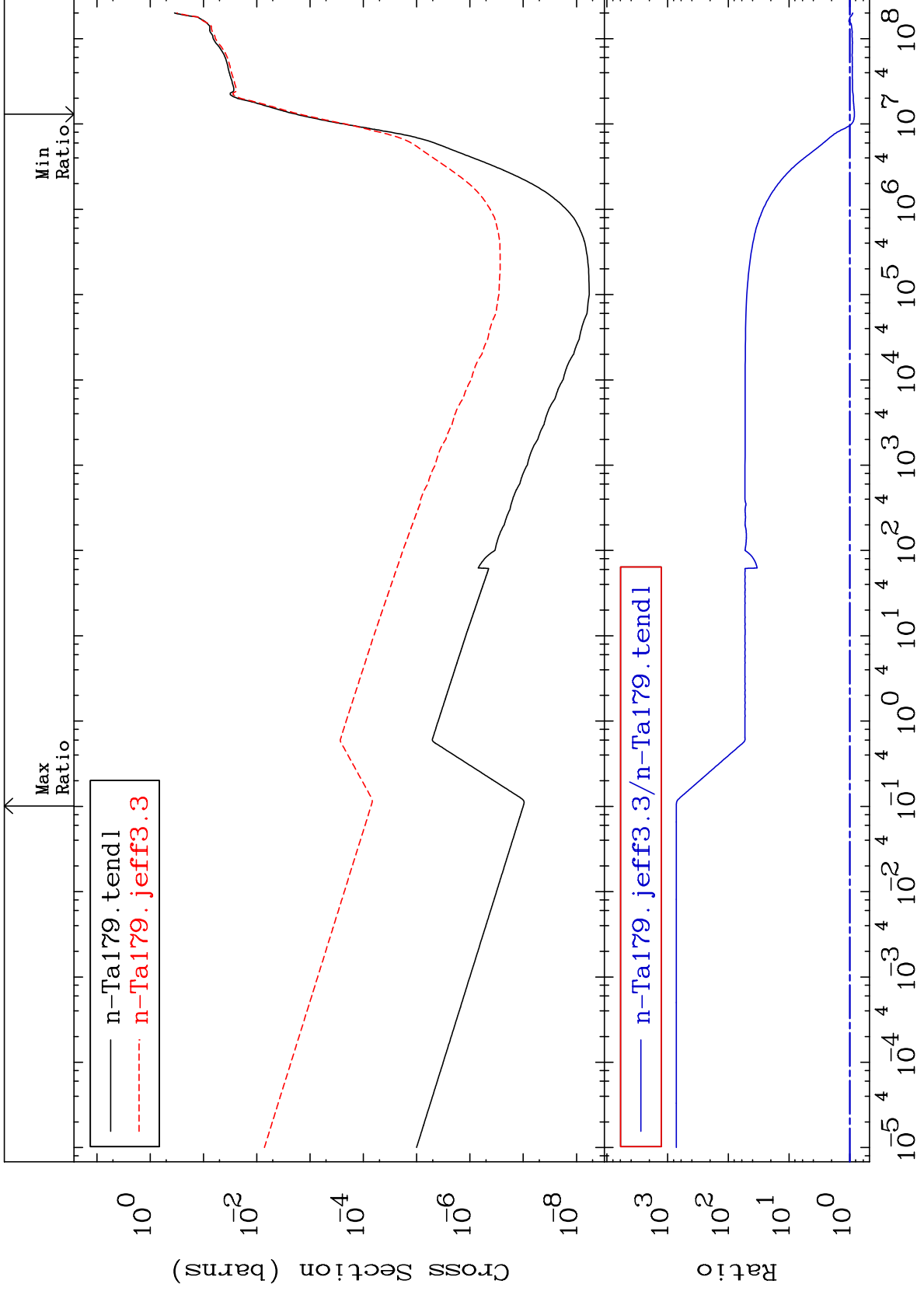
Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

MAT 7322

He-4 Production
Cross Section

$^{73}\text{Ta-179}$
-16.00 To 9999. %



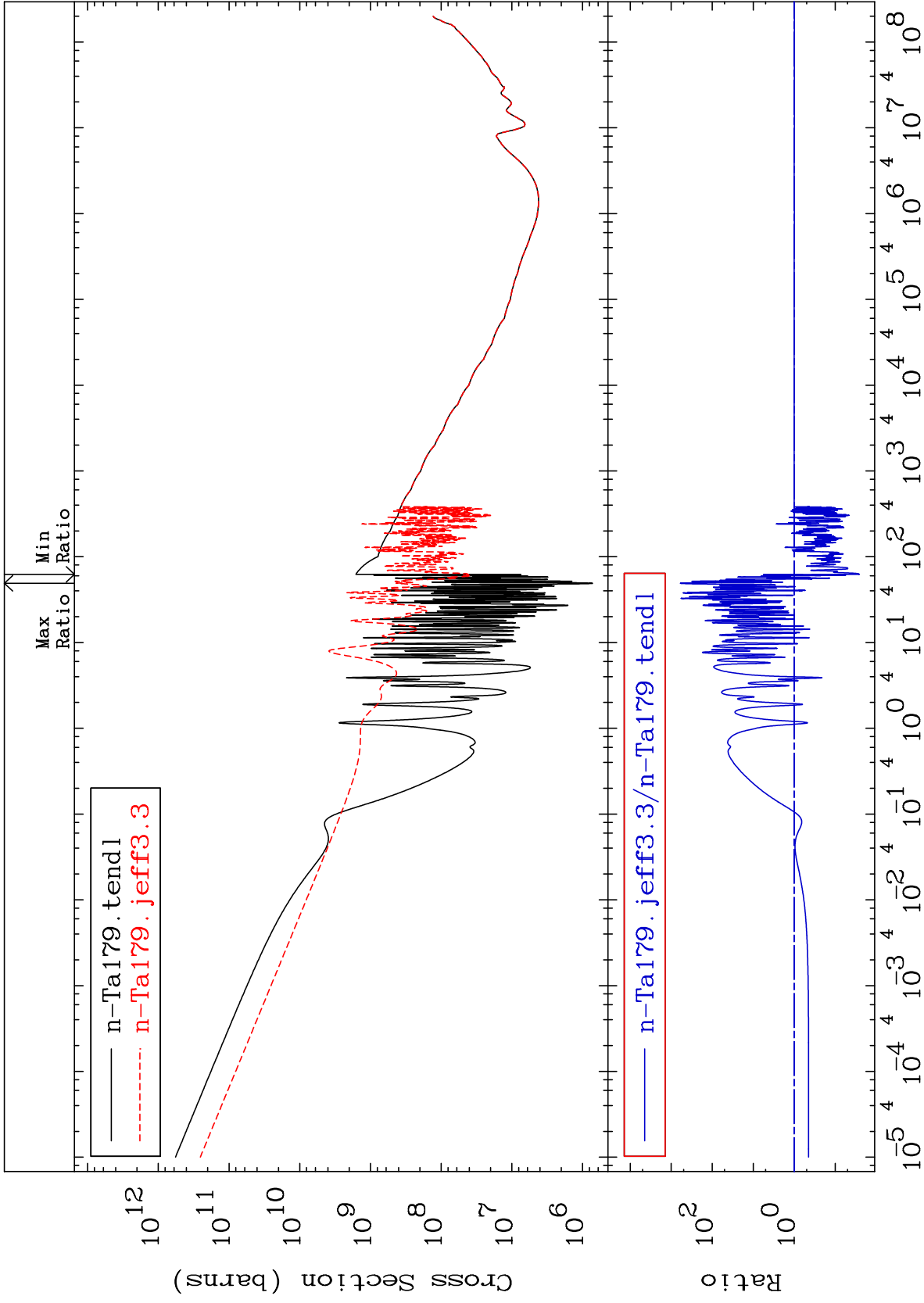
MAT 7322

Kerma total (eV-barns)

⁷³Ta-179

-97.43 To 9999. %

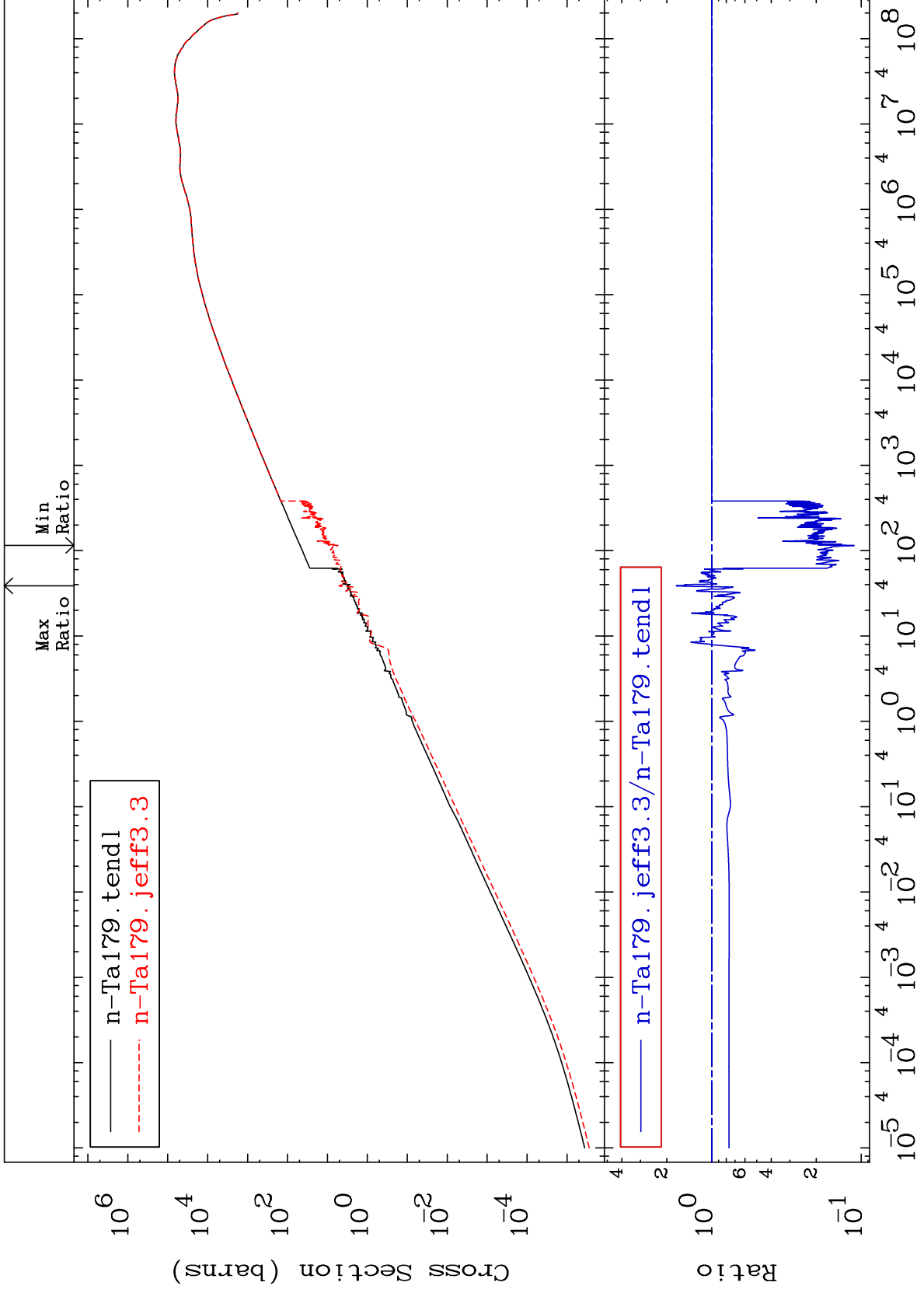
Cross Section

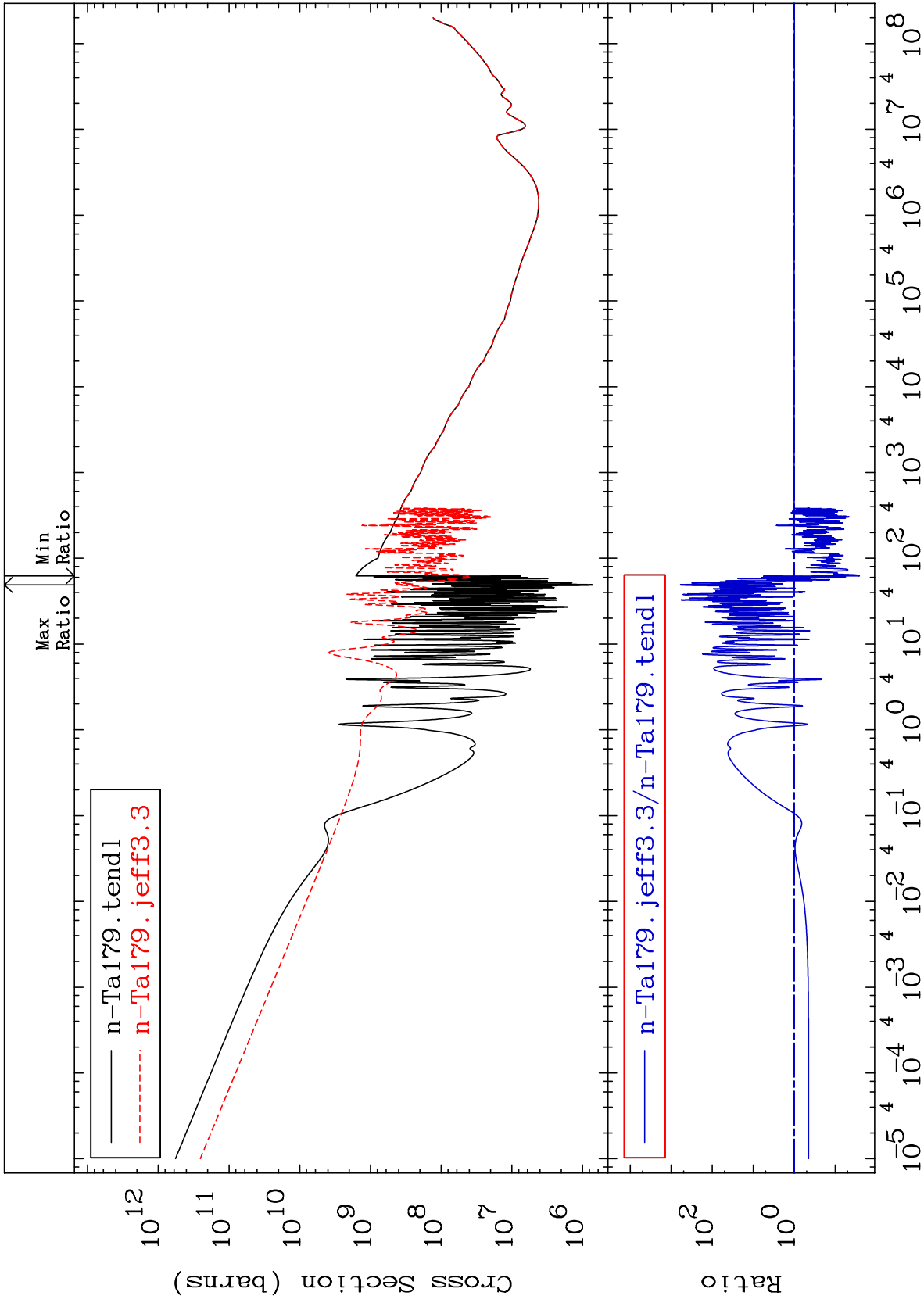


MAT 7322

Kerma elastic
Cross Section

⁷³Ta-179
-88.87 To 72.47 %

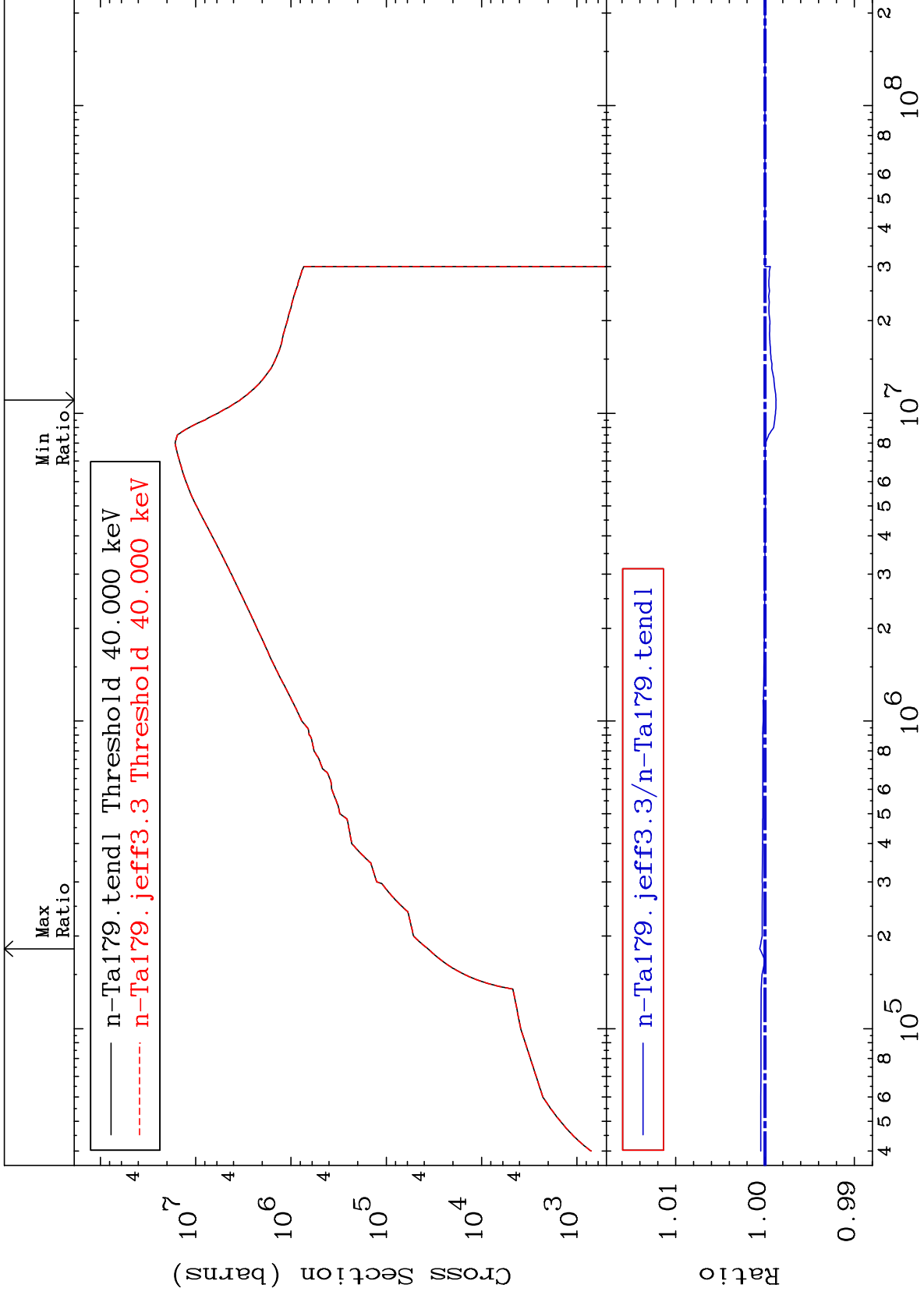




MAT 7322

Kerma inelastic (mt51-91)
Cross Section

⁷³Ta-¹⁷⁹Ta
-0.124 To 0.058 %



71

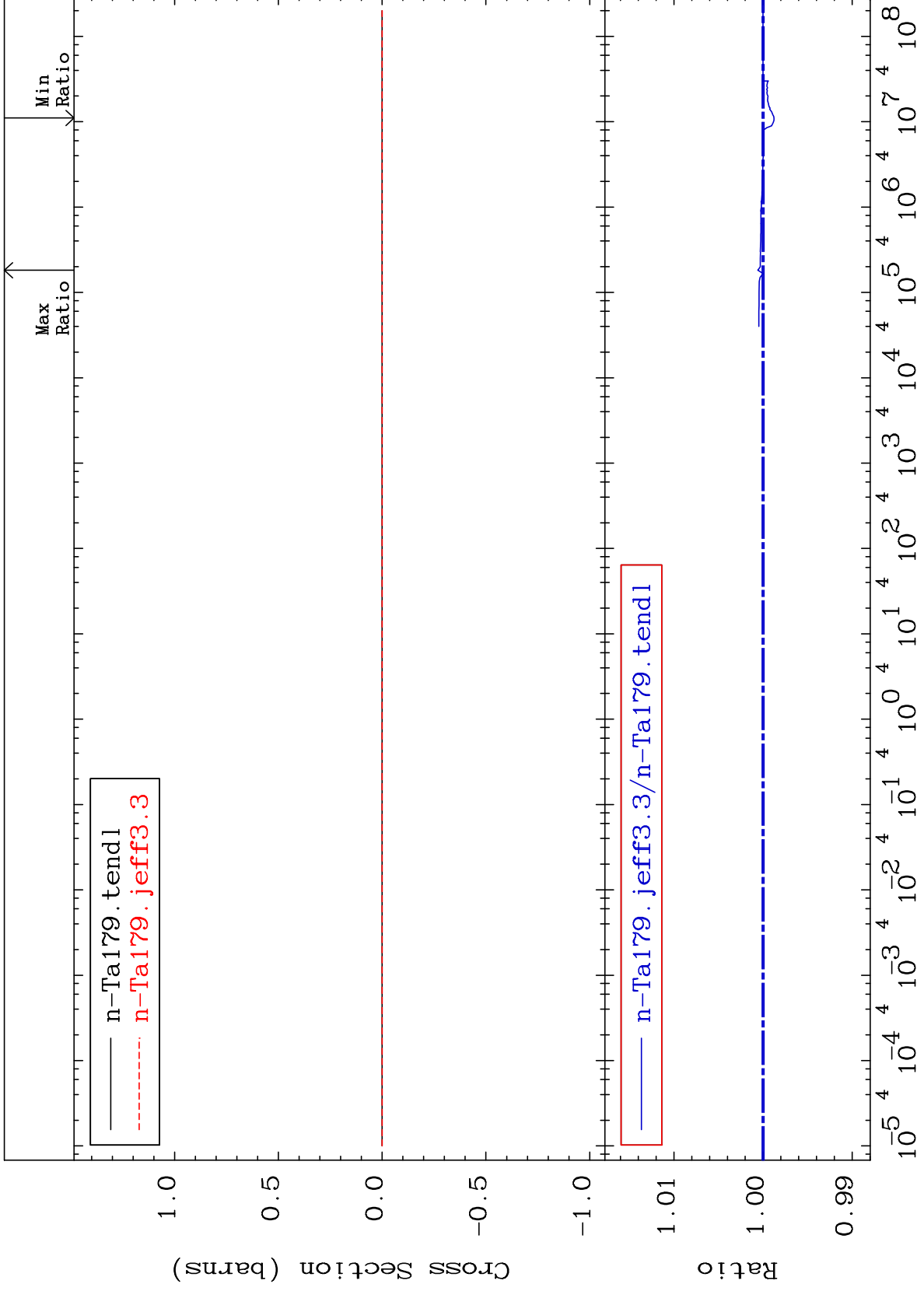
Incident Energy (eV)

⁷³Ta-¹⁷⁹Ta

MAT 7322

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

73-Ta-179
-0.124 To 0.058 %



72

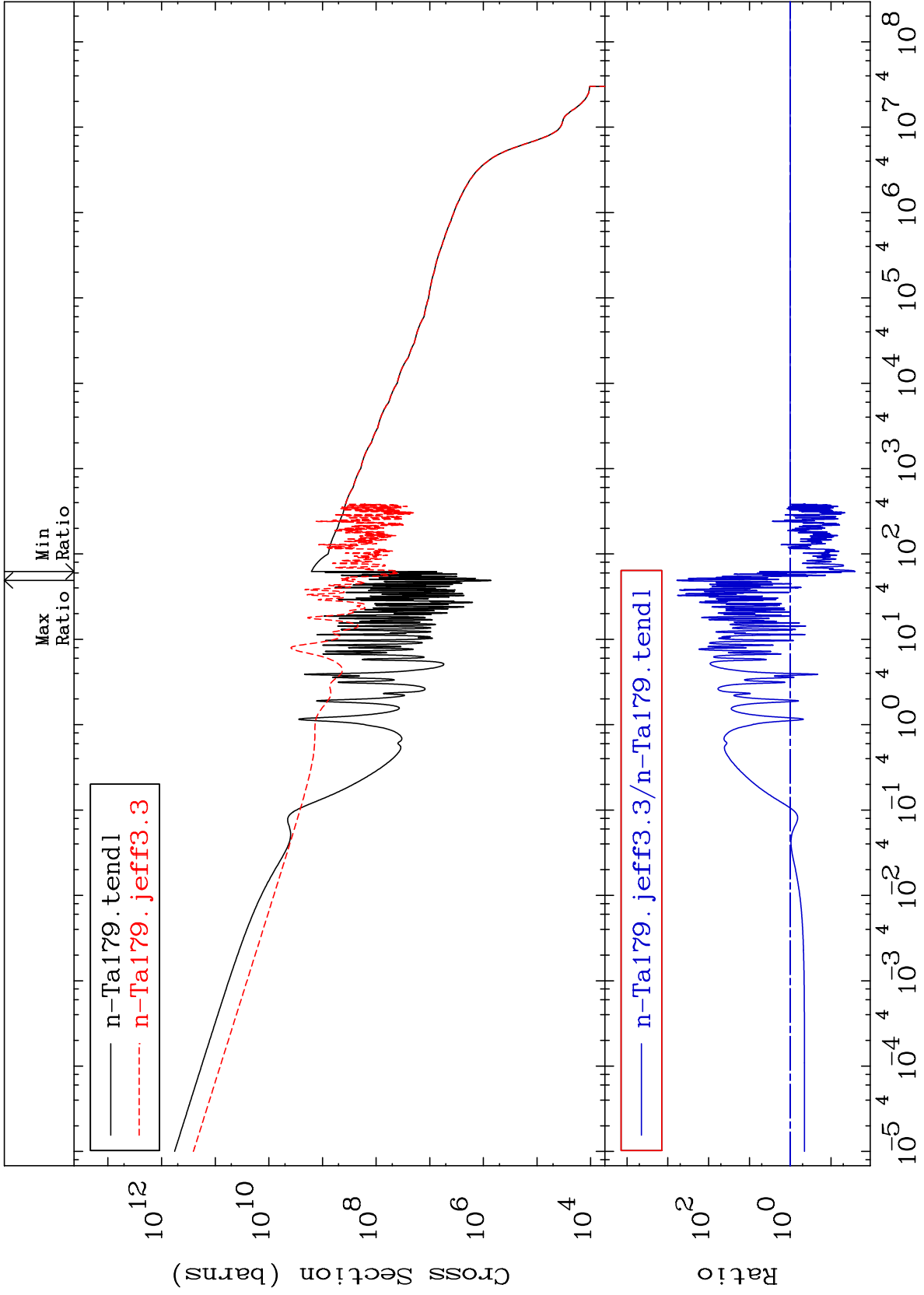
Incident Energy (eV)

73-Ta-179

MAT 7322

Kerma capture (mt102)
Cross Section

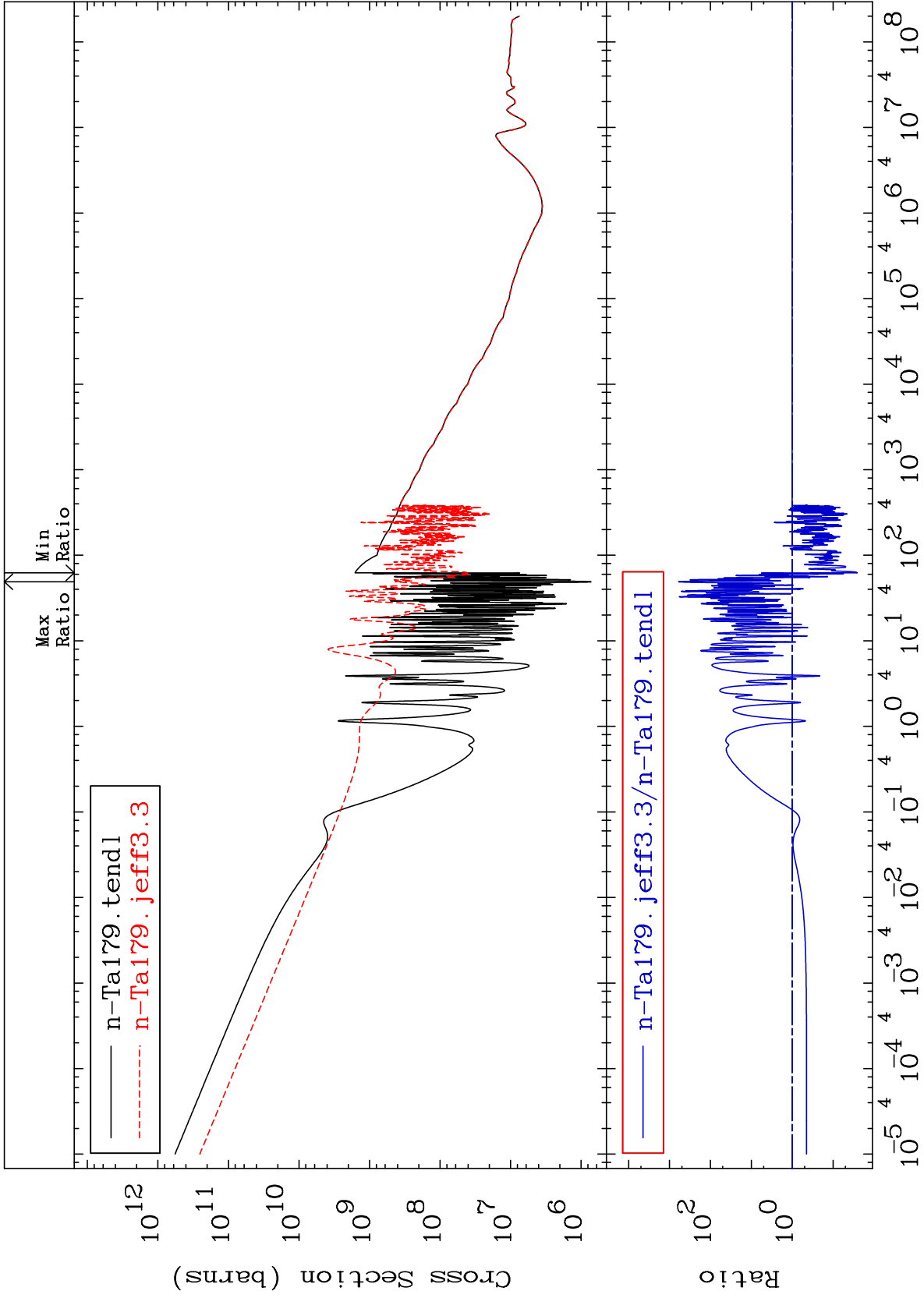
⁷³Ta-179
-97.43 To 9999. %

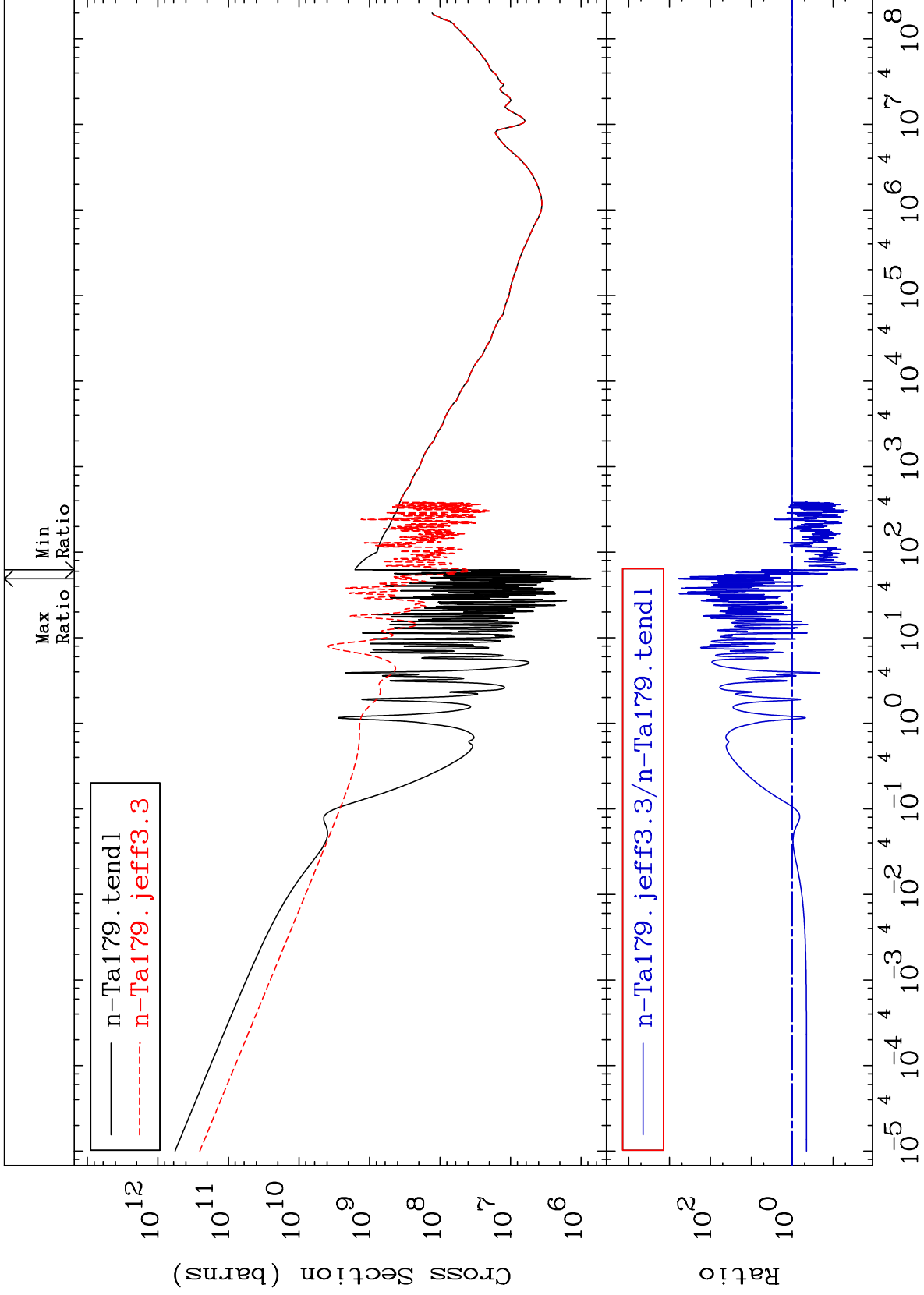


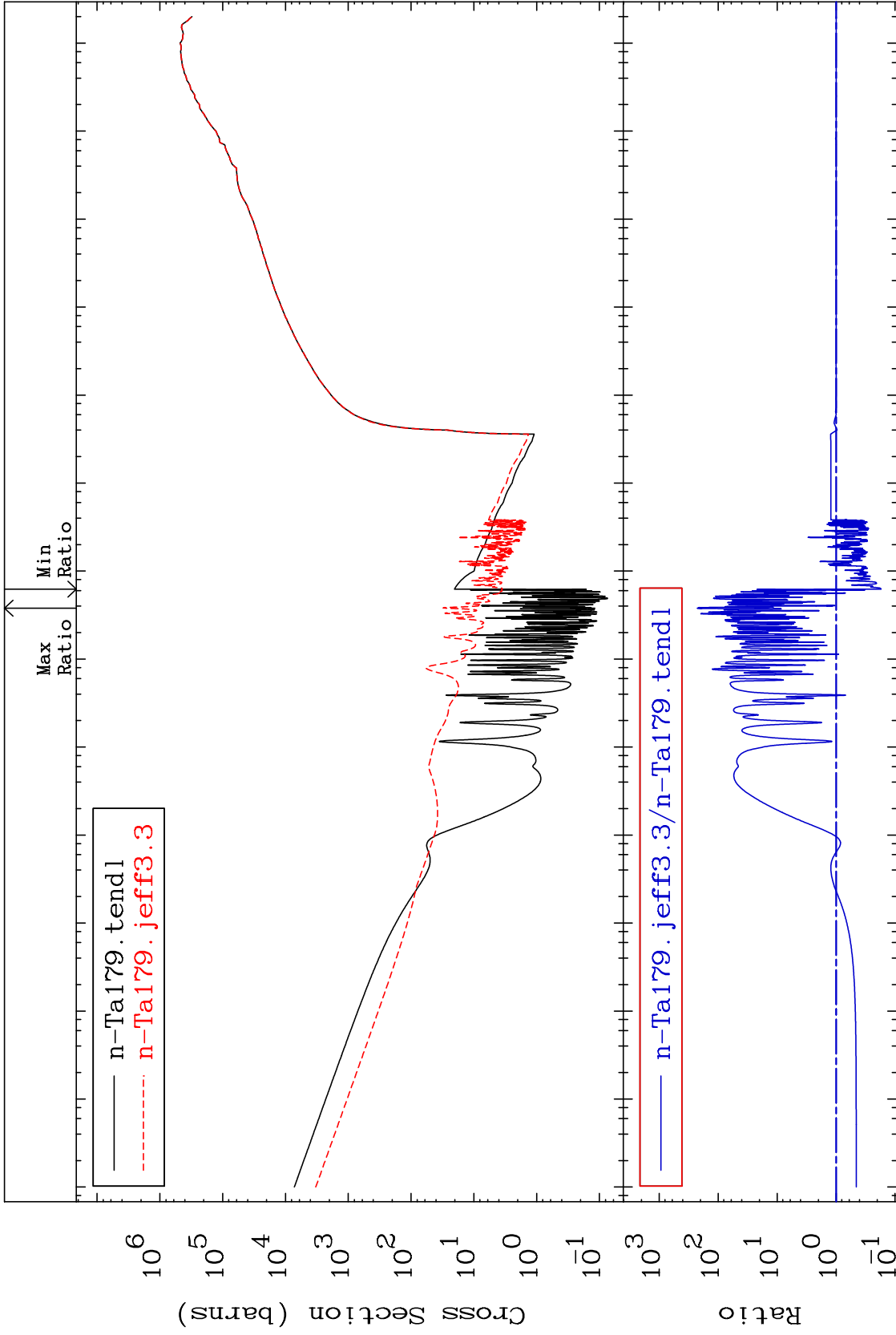
73

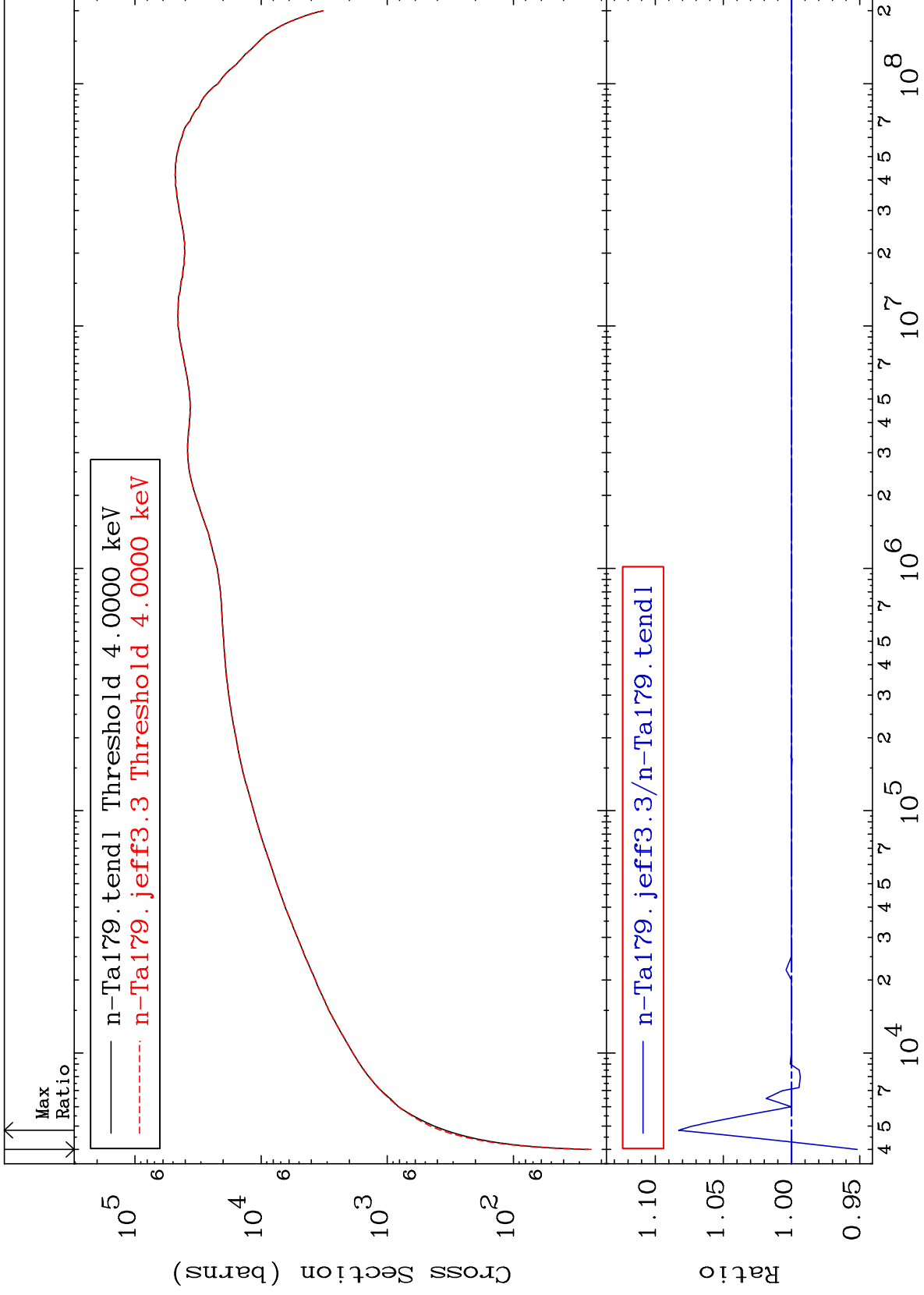
Incident Energy (eV)

⁷³Ta-179





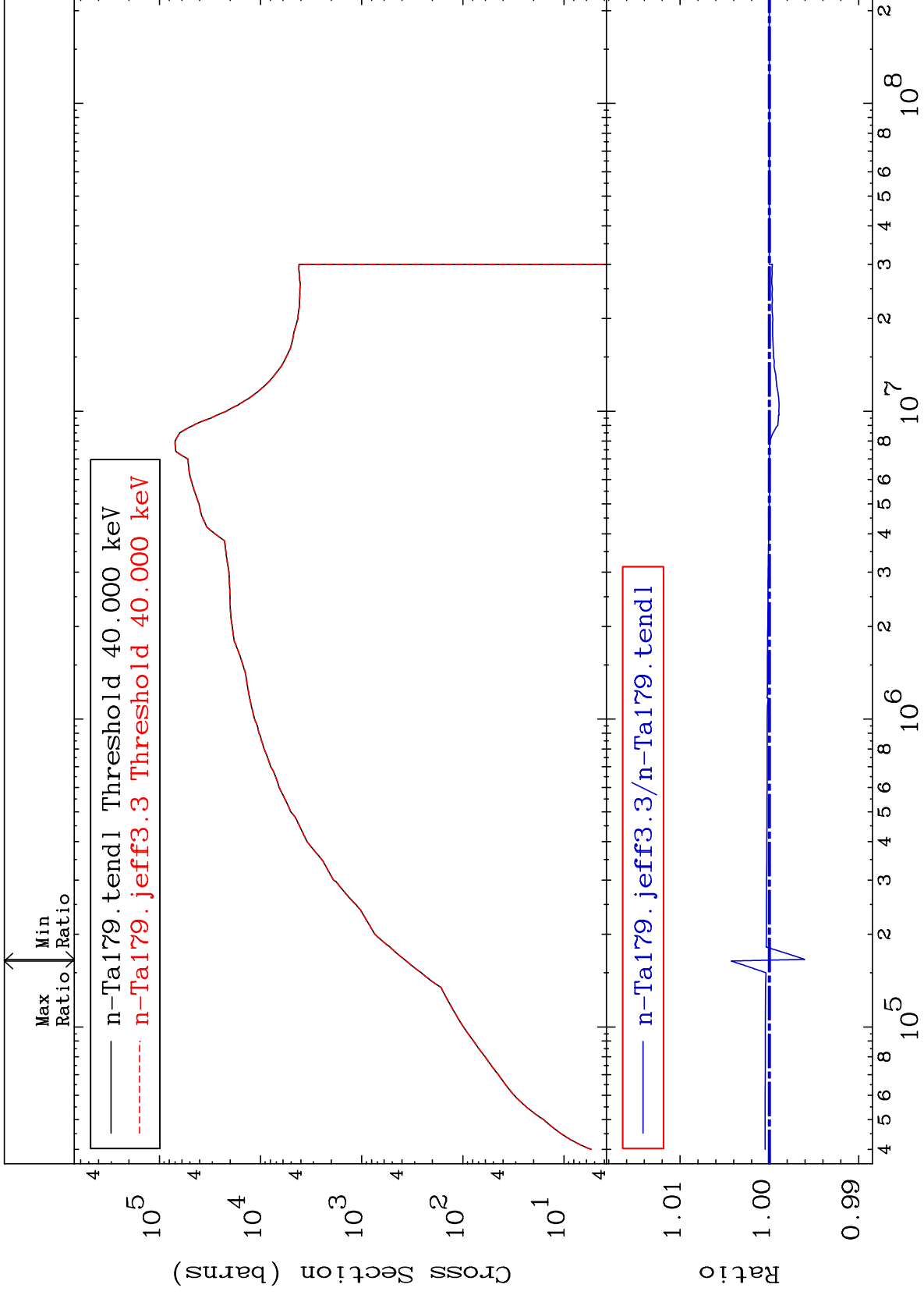




MAT 7322

Dpa inelastic (mt51-91)
Cross Section

73-Ta-179
-0.395 To 0.427 %



78

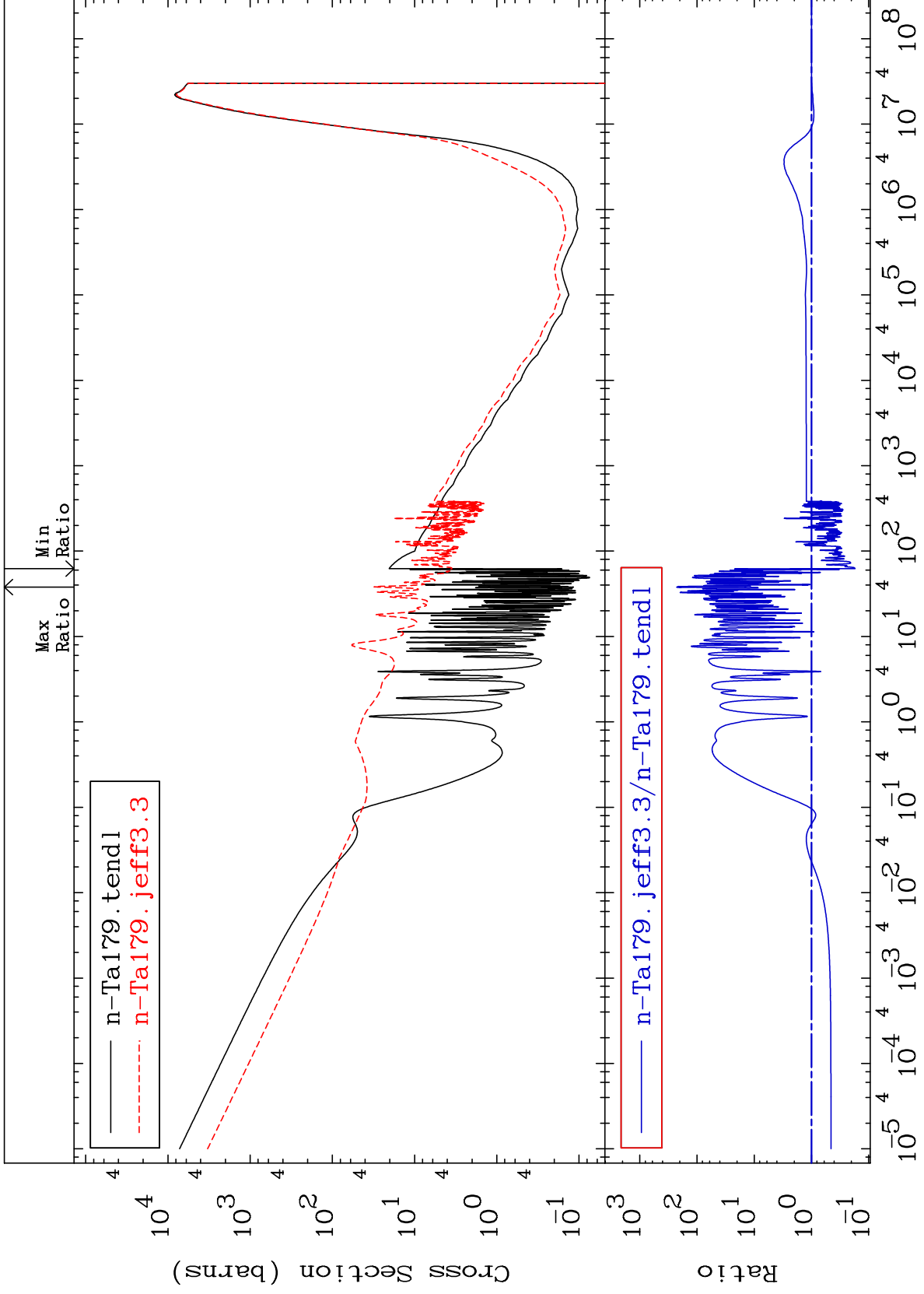
Incident Energy (eV)

73-Ta-179

MAT 7322

Dpa disappearance (mt102 -120)
Cross Section

⁷³Ta-¹⁷⁹
-82.73 To 9999. %



79

Incident Energy (eV)

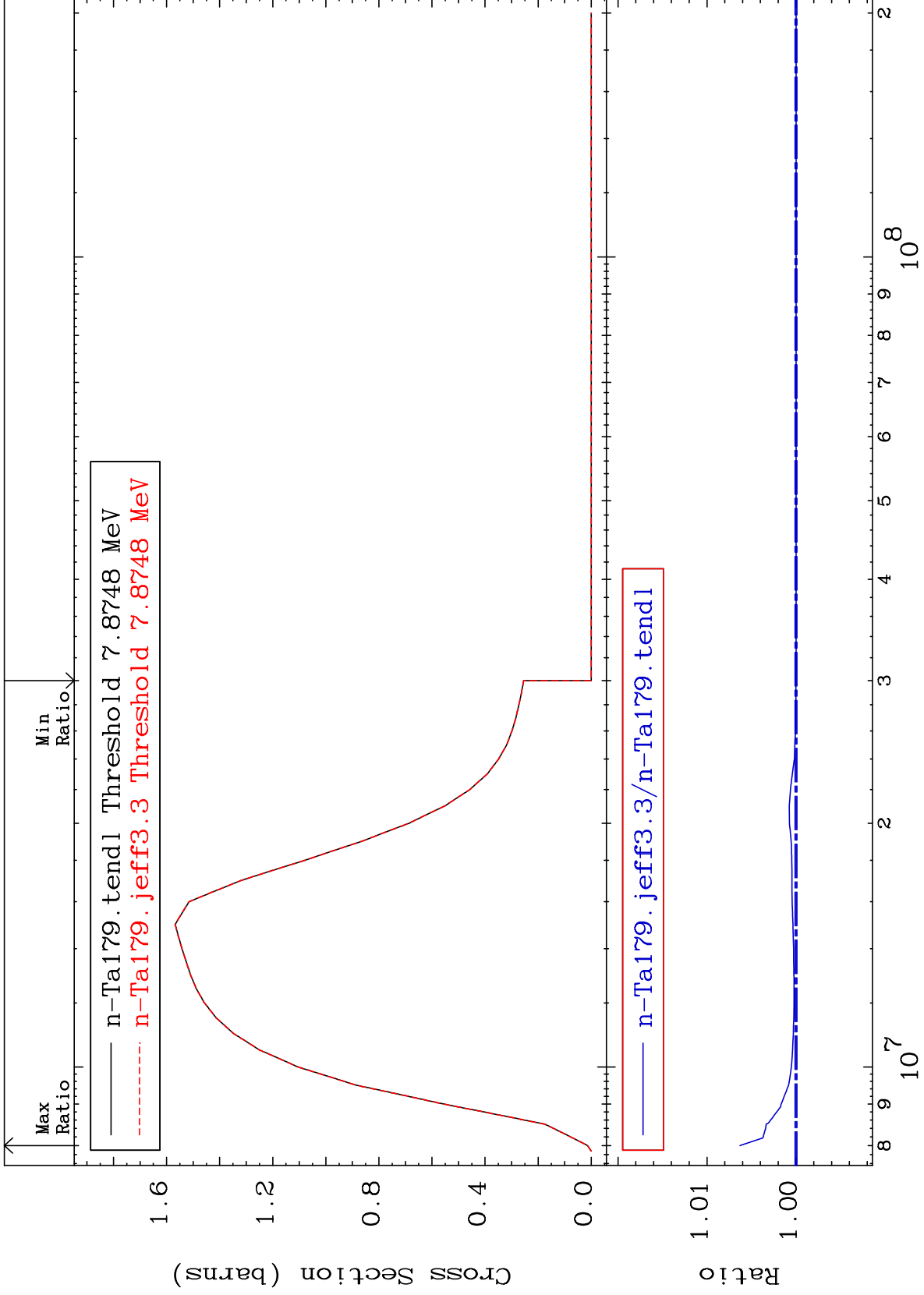
⁷³Ta-¹⁷⁹

MAT 7322

(n,2n):73-Ta-178g

73-Ta-179

Radionuclide Production Cross Section 0.000 To 0.631 %



80

Incident Energy (eV)

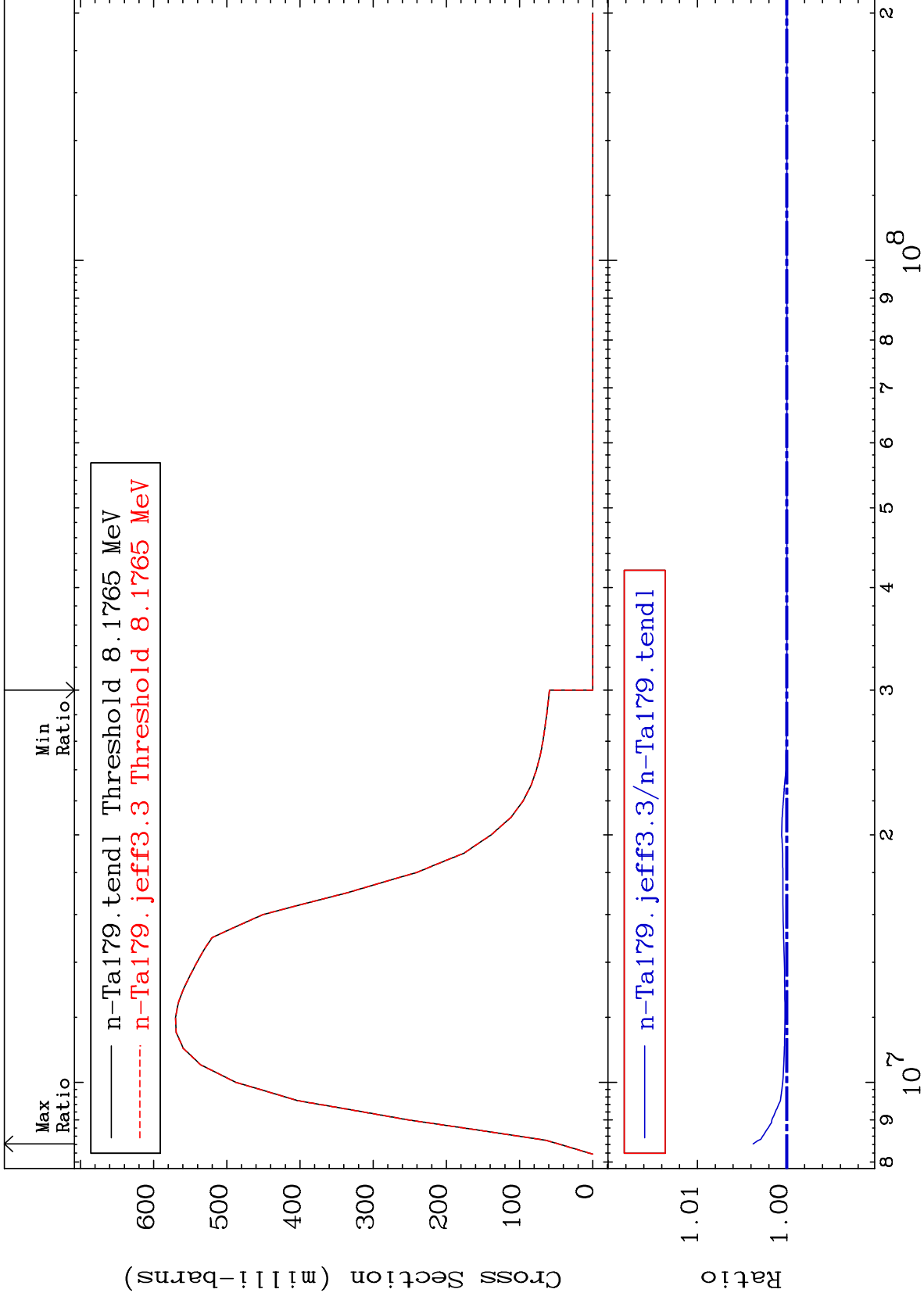
73-Ta-179

MAT 7322

(n,2n):73-Ta-178m1

73-Ta-179

Radionuclide Production Cross Section 0.000 To 0.378 %



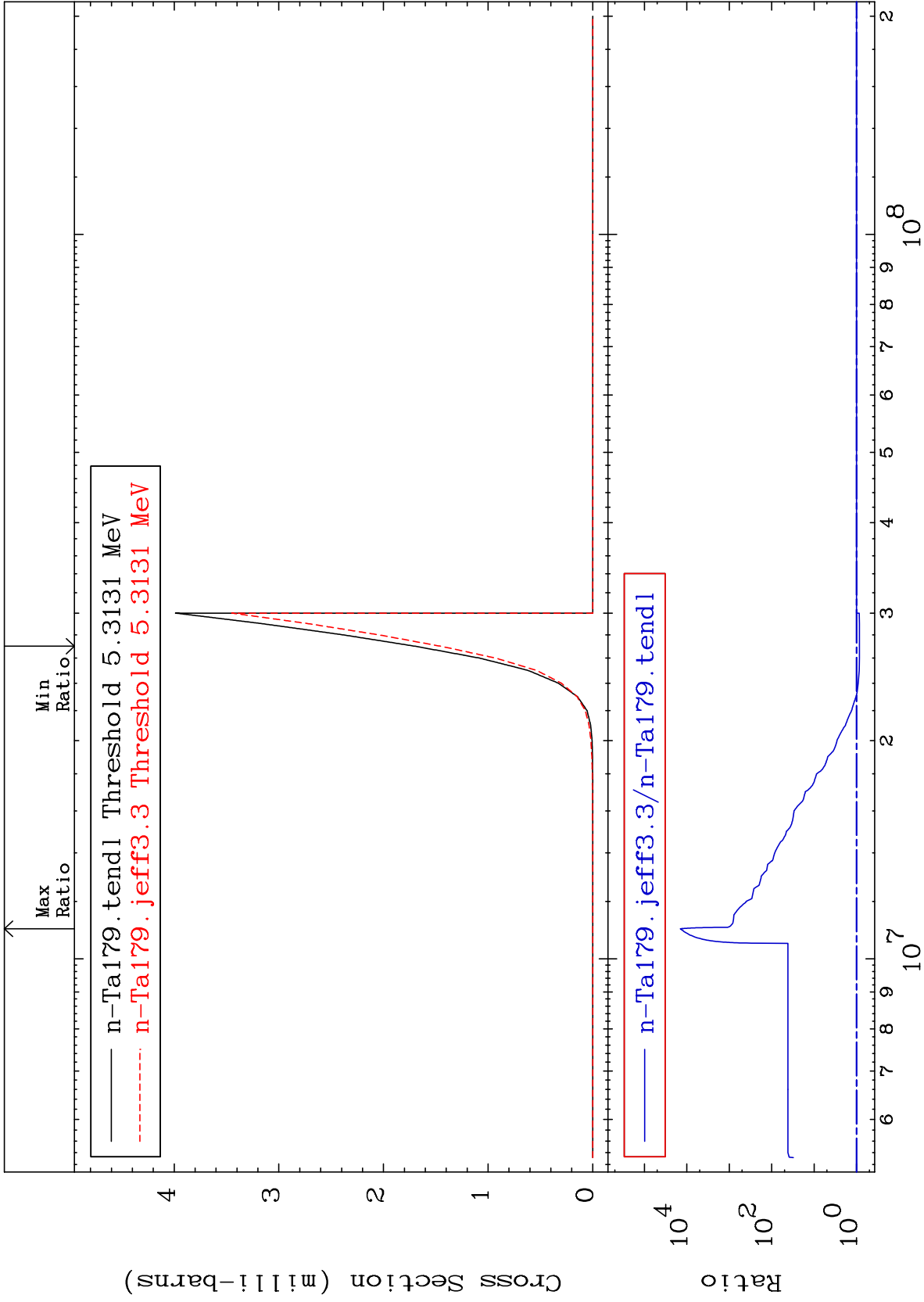
81

Incident Energy (eV)

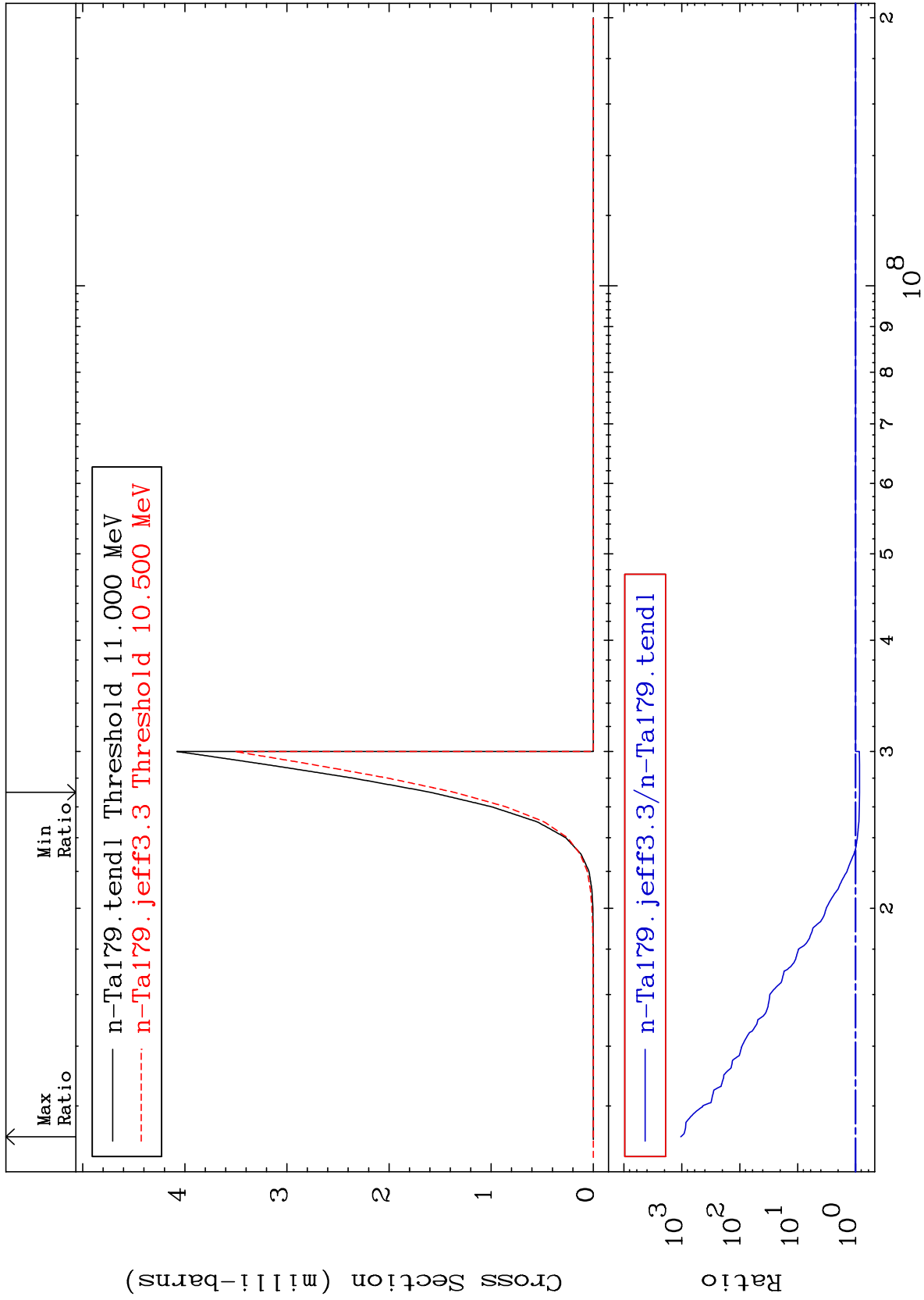
73-Ta-179

MAT 7322

(n,2n) α : 71-Lu-174g 73-Ta-179
Radionuclide Production Cross Section -14.41 To 9999. %



Radionuclide Production Cross Section -14.55 To 9999. %

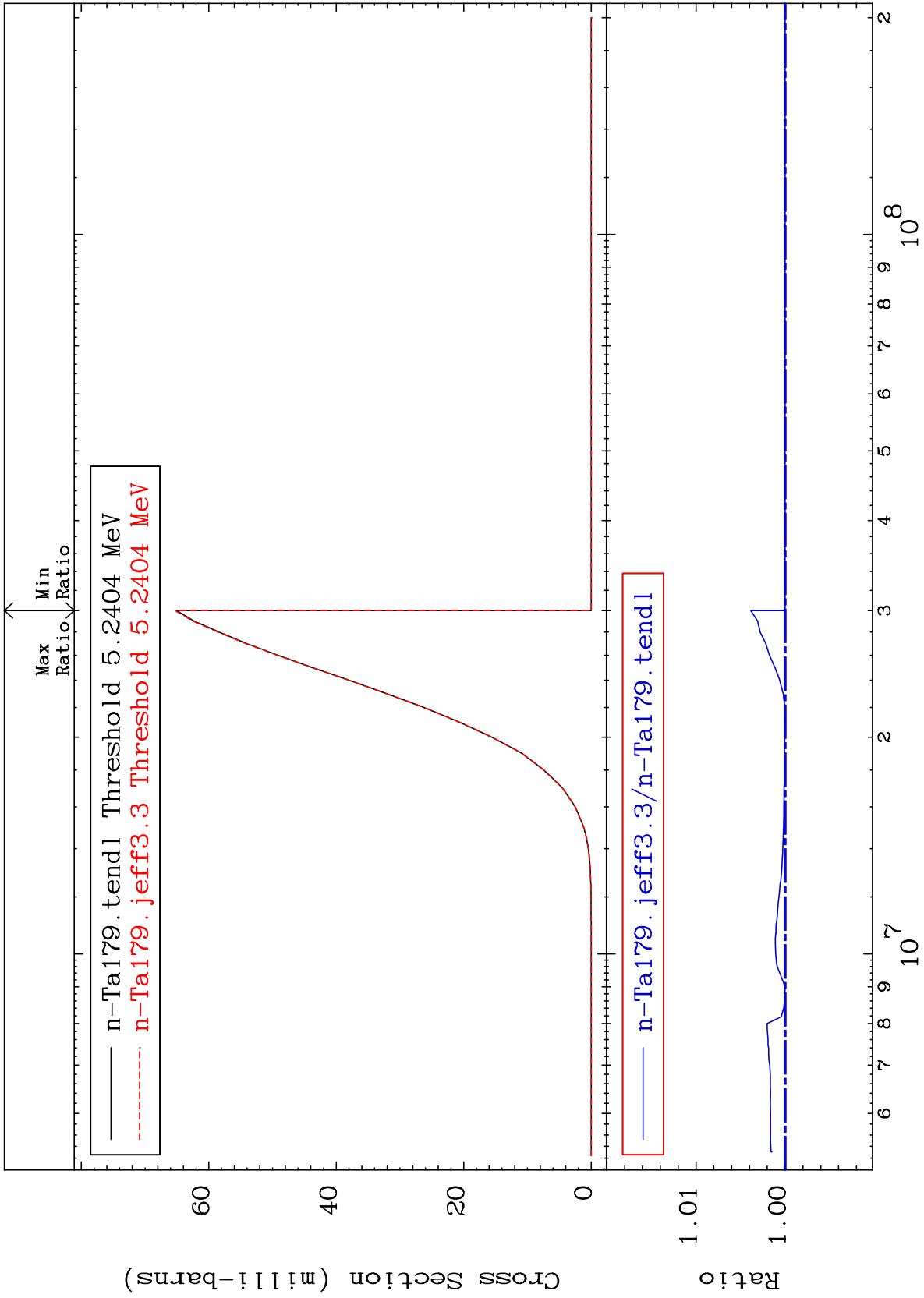


MAT 7322

(n, n') p: 72-Hf-178g

73-Ta-179

Radionuclide Production Cross Section 0.000 To 0.385 %

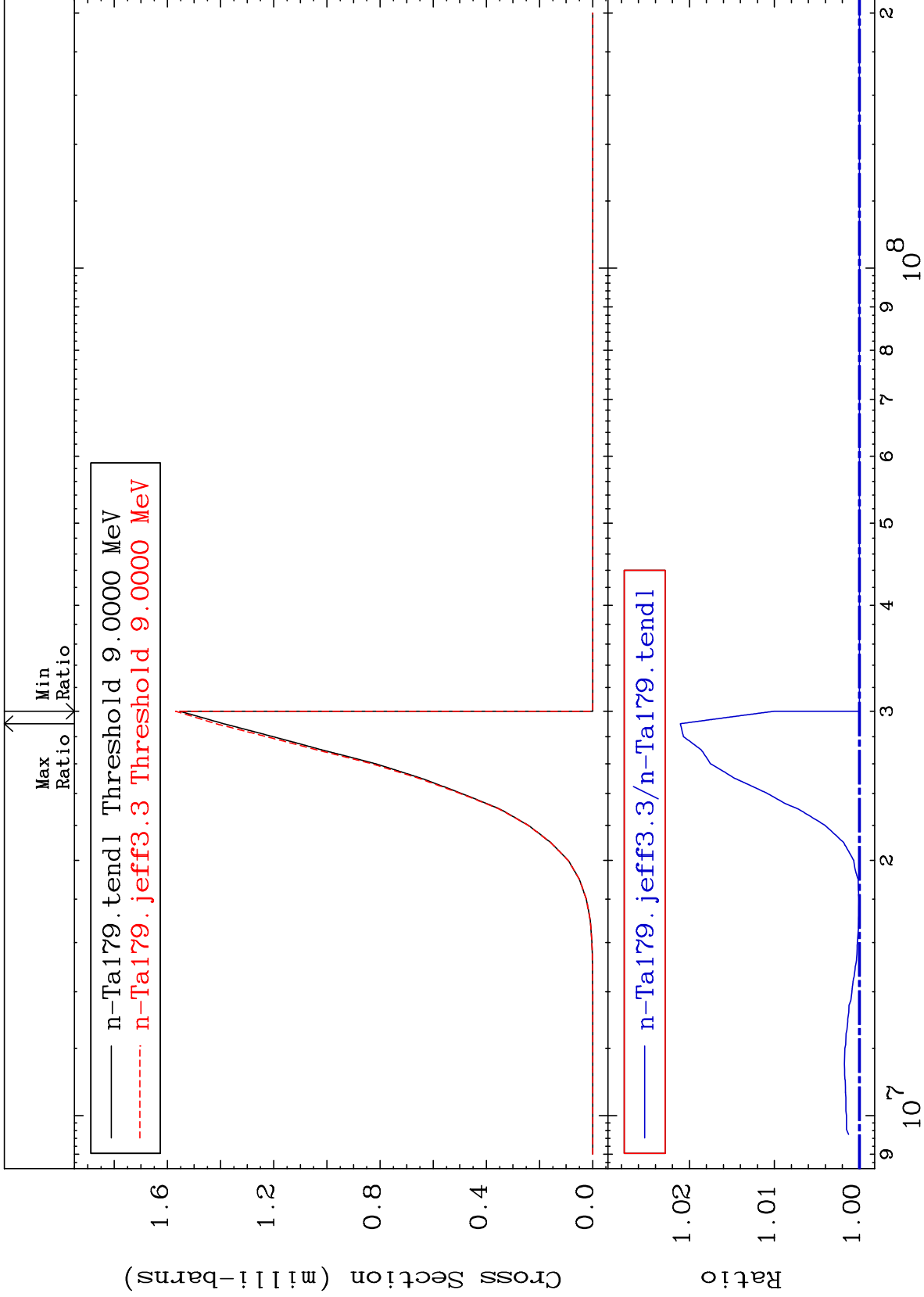


MAT 7322

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

73-Ta-179

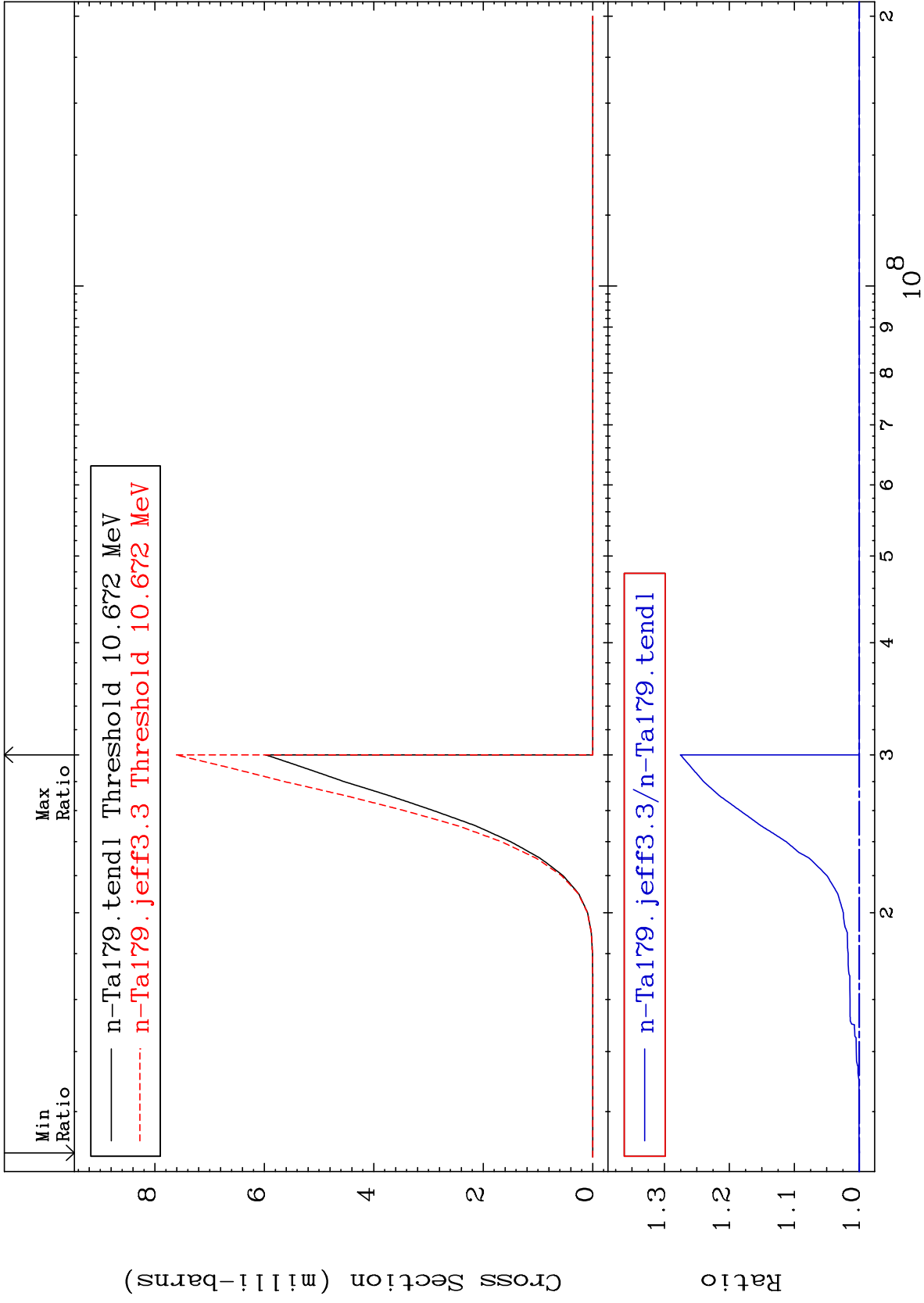
Radionuclide Production Cross Section 0.000 To 2.107 %



85

Incident Energy (eV)

73-Ta-179

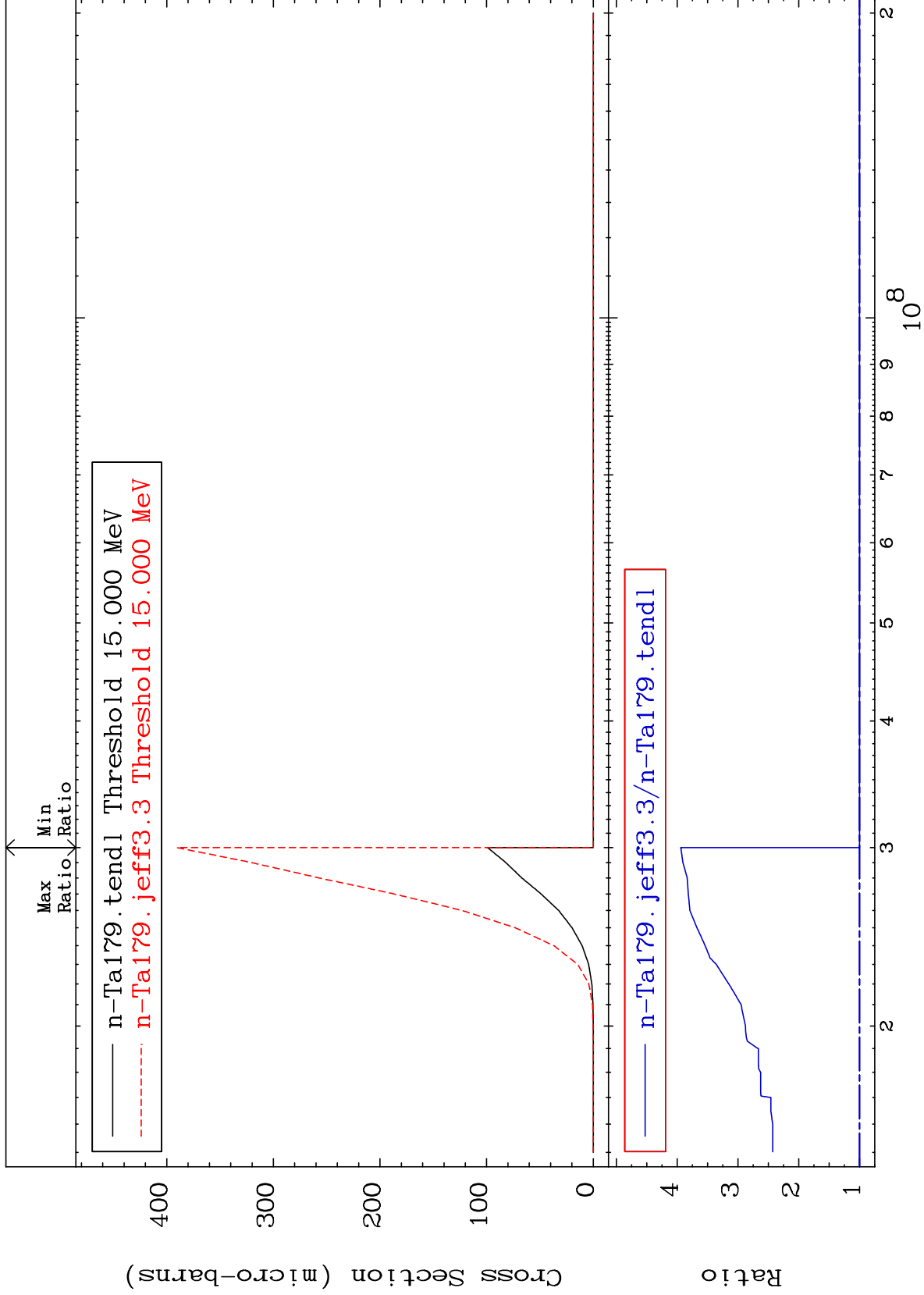


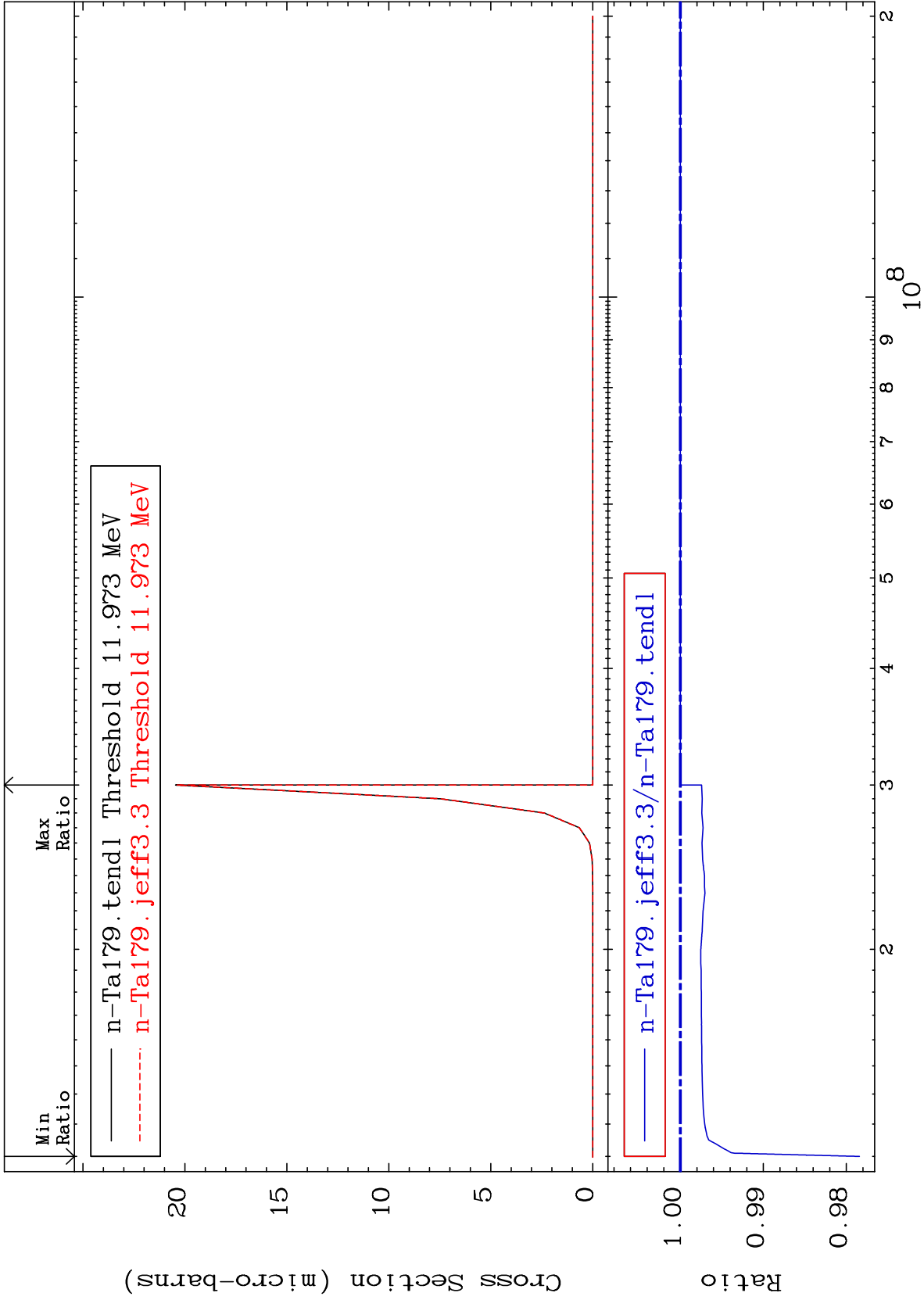
MAT 7322

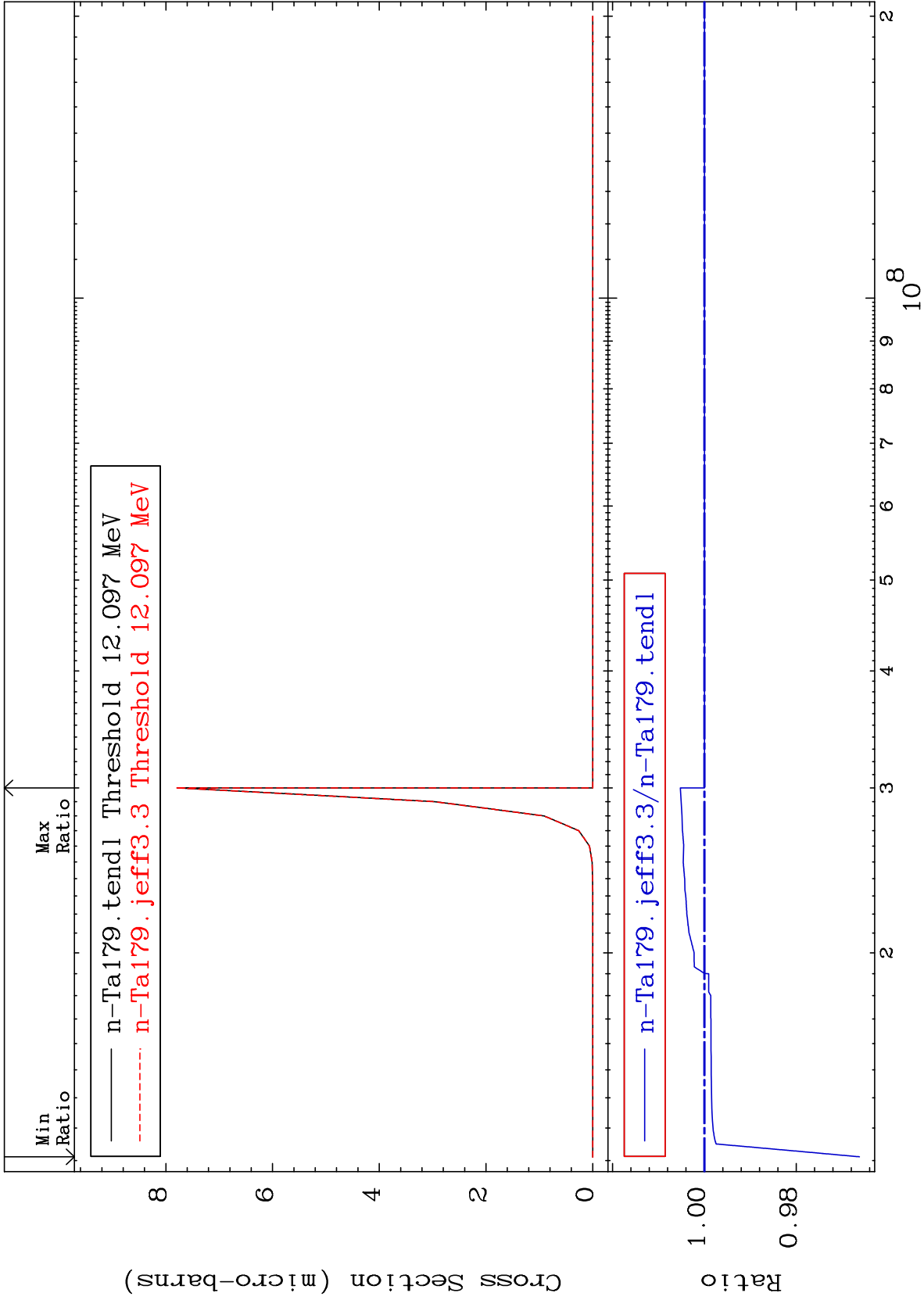
(n, n') d: 72-Hf-177m5

73-Ta-179

Radionuclide Production Cross Section 0.000 To 294.1 %





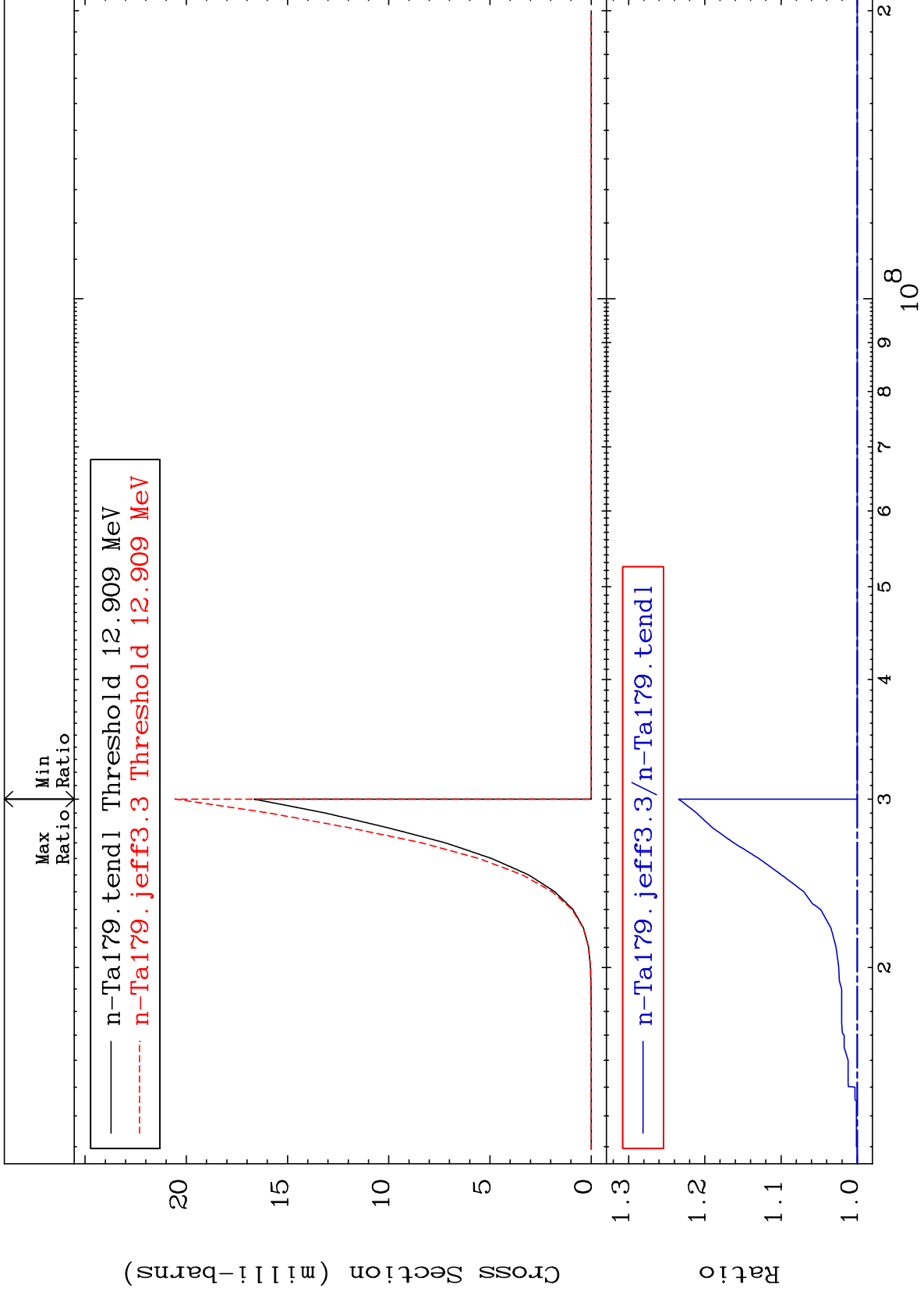


MAT 7322

(n,2n) p: 72-Hf-177g

73-Ta-179
To 23.44 %

Radionuclide Production Cross Section 0.000

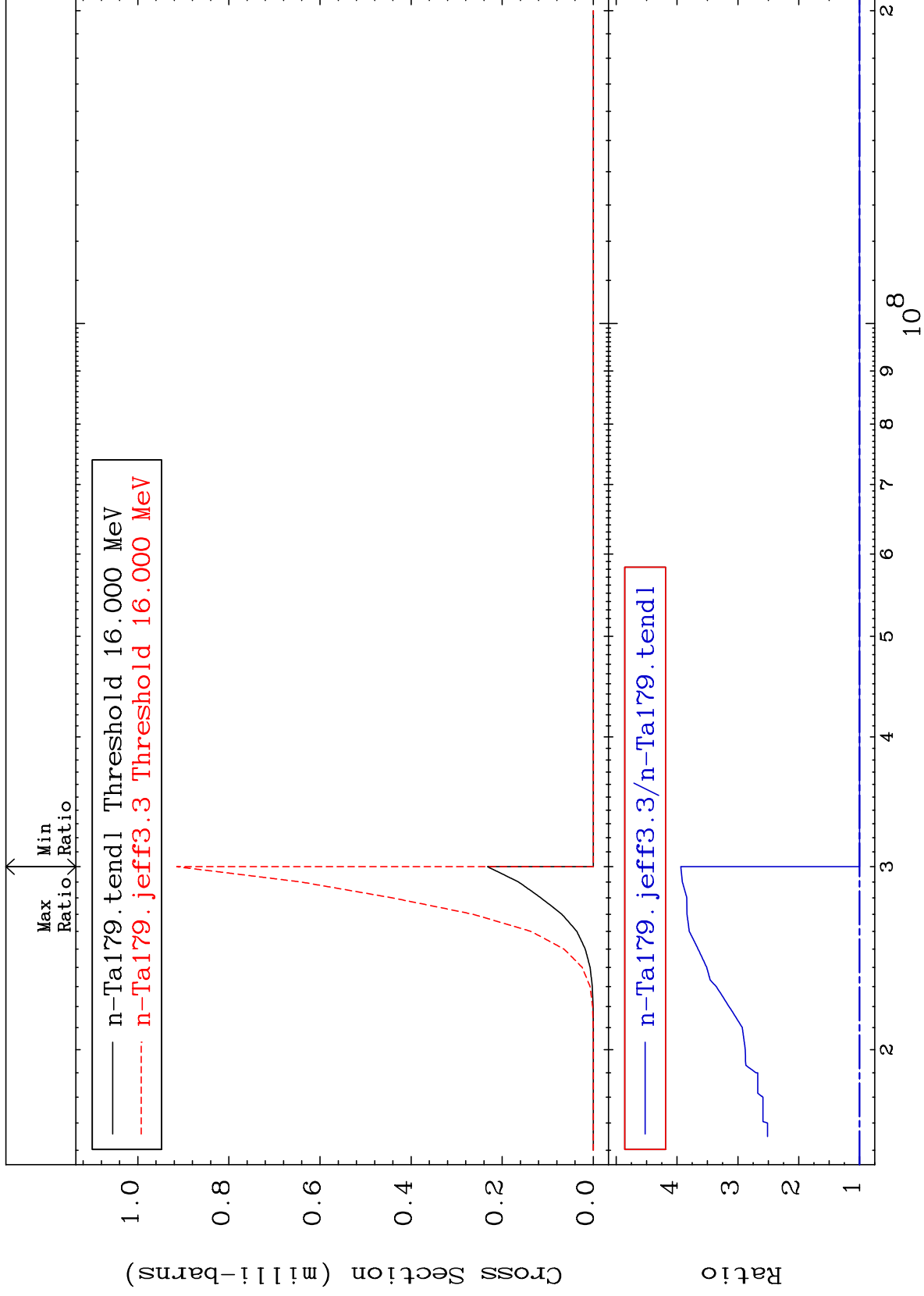


MAT 7322

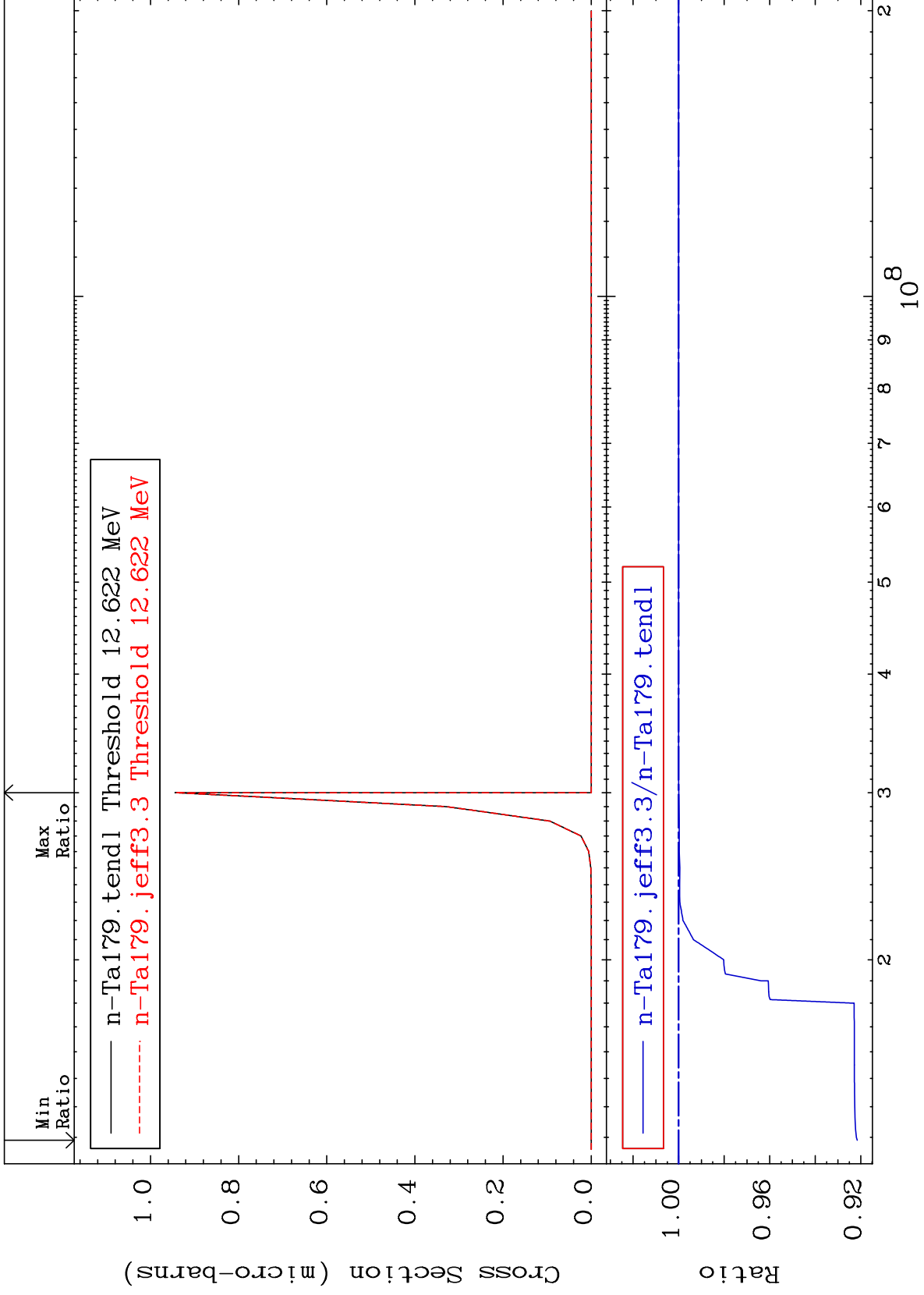
(n,2n) p:72-Hf-177m5

73-Ta-179

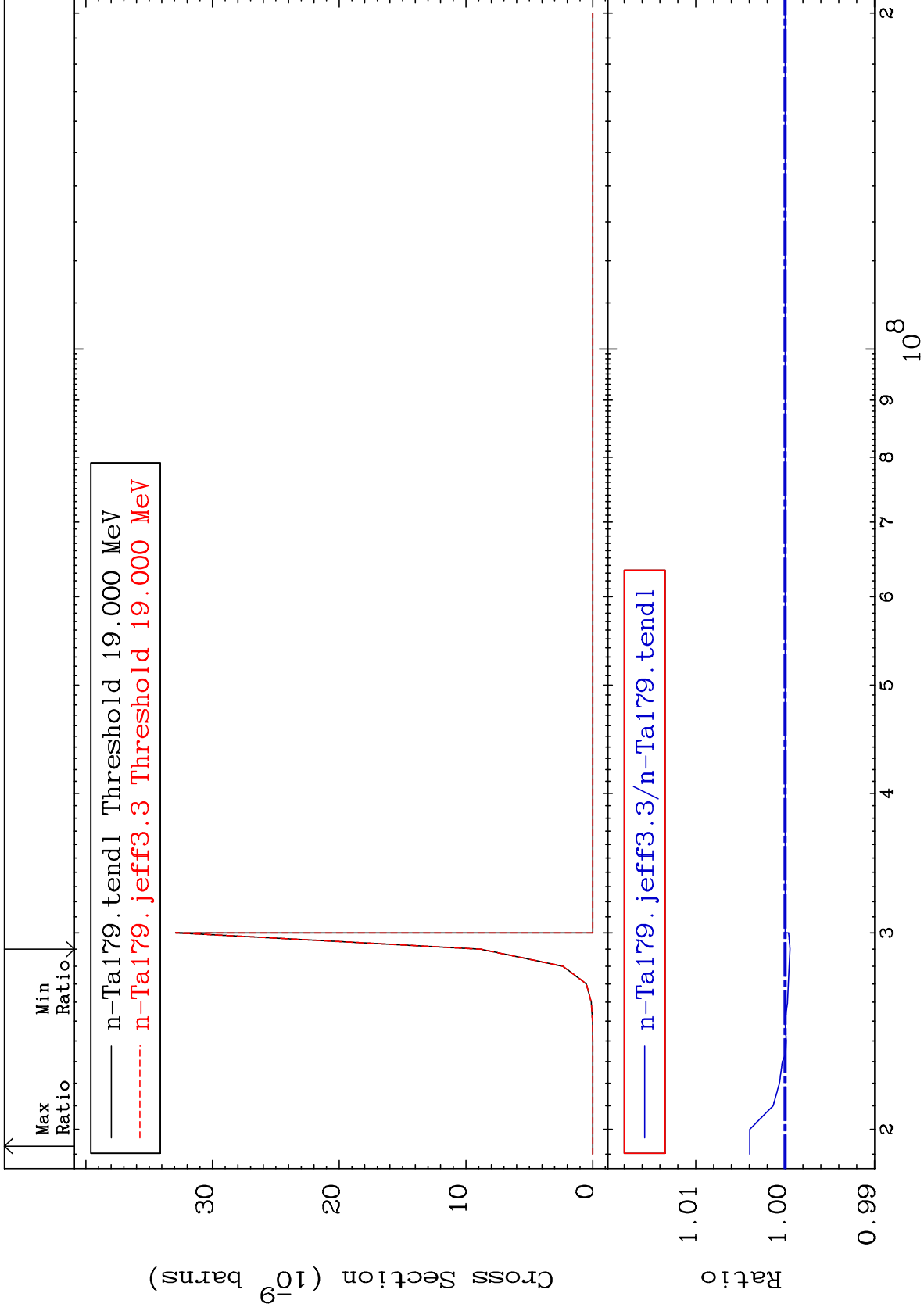
Radionuclide Production Cross Section 0.000 To 293.9 %



Radionuclide Production Cross Section -7.847 To 0.000 %



Radionuclide Production Cross Section -0.055 To 0.395 %



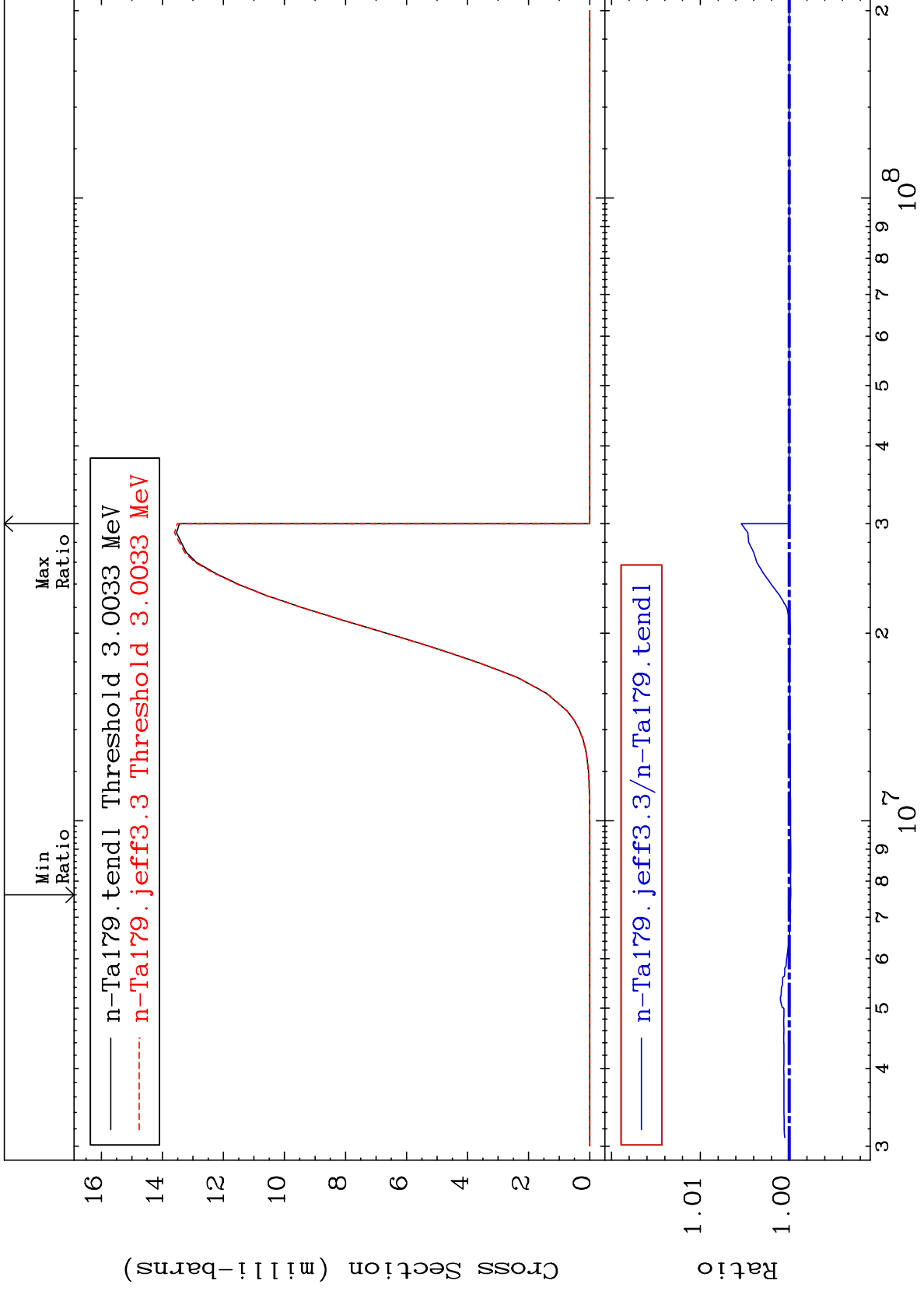
MAT 7322

(n, d) : 72-Hf-178g

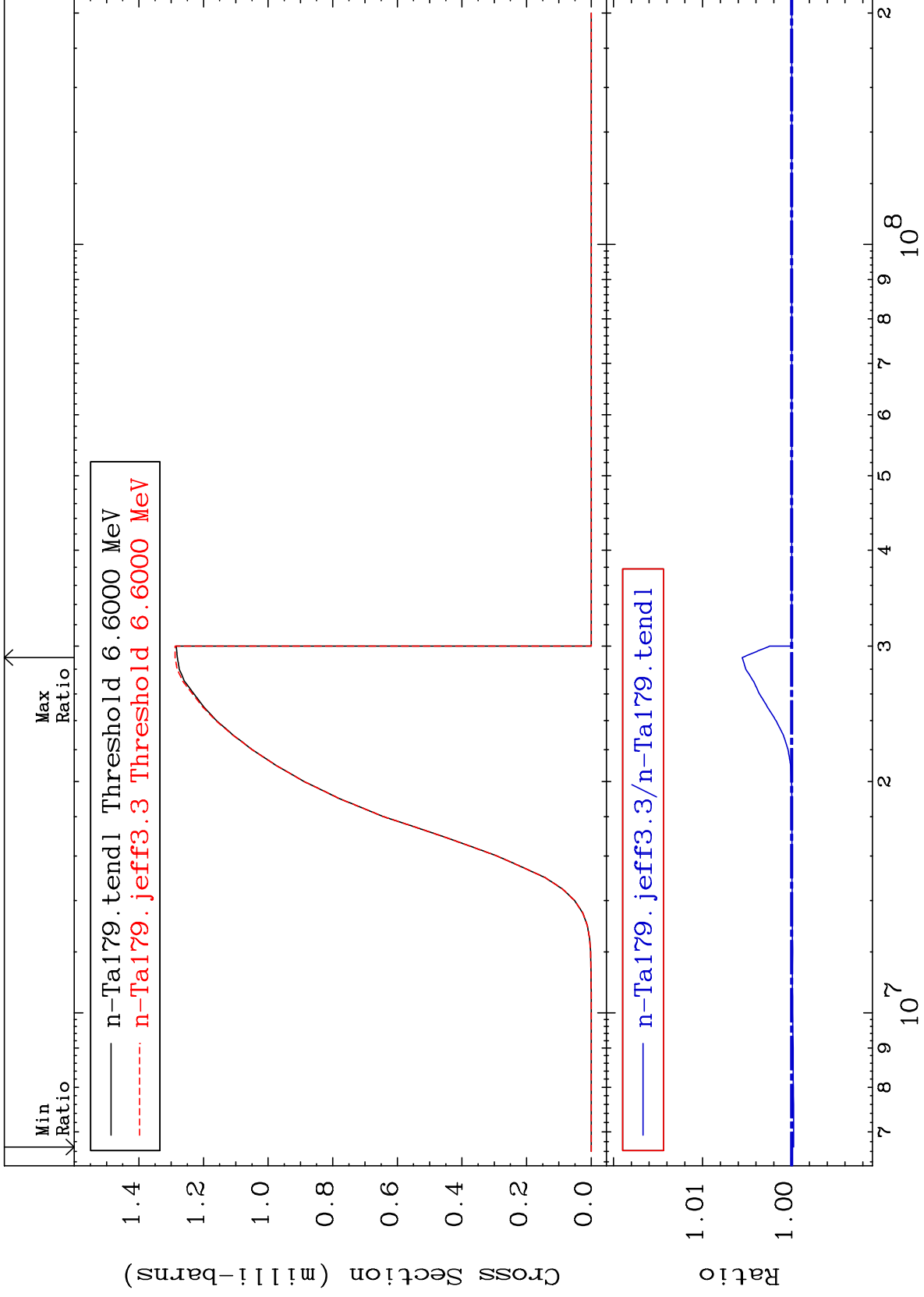
73-Ta-179

Radionuclide Production Cross Section

-0.018 To 0.539 %



Radionuclide Production Cross Section -0.023 To 0.555 %

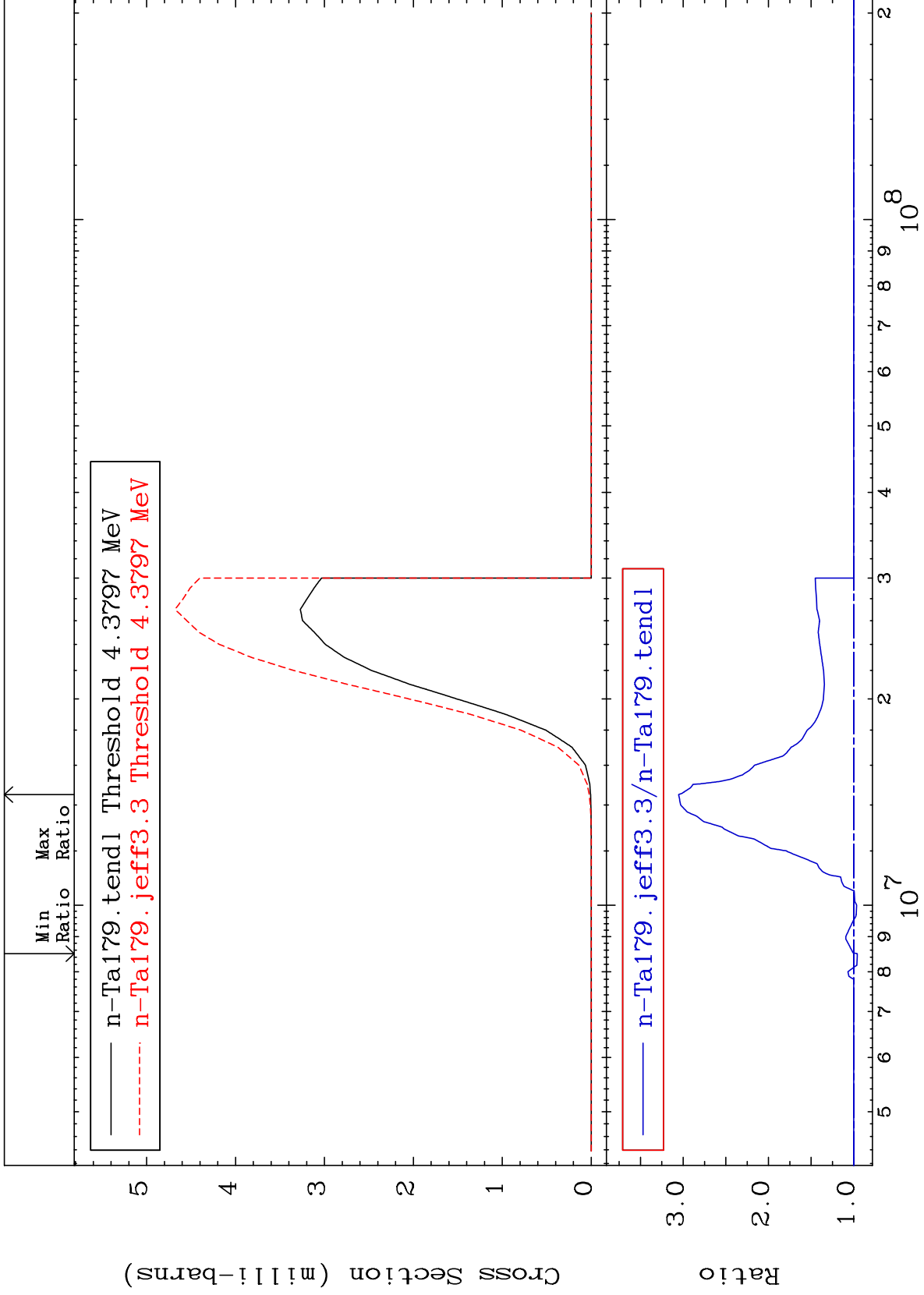


MAT 7322

(n, t) : 72-Hf-177g

73-Ta-179

Radionuclide Production Cross Section -4.108 To 205.3 %

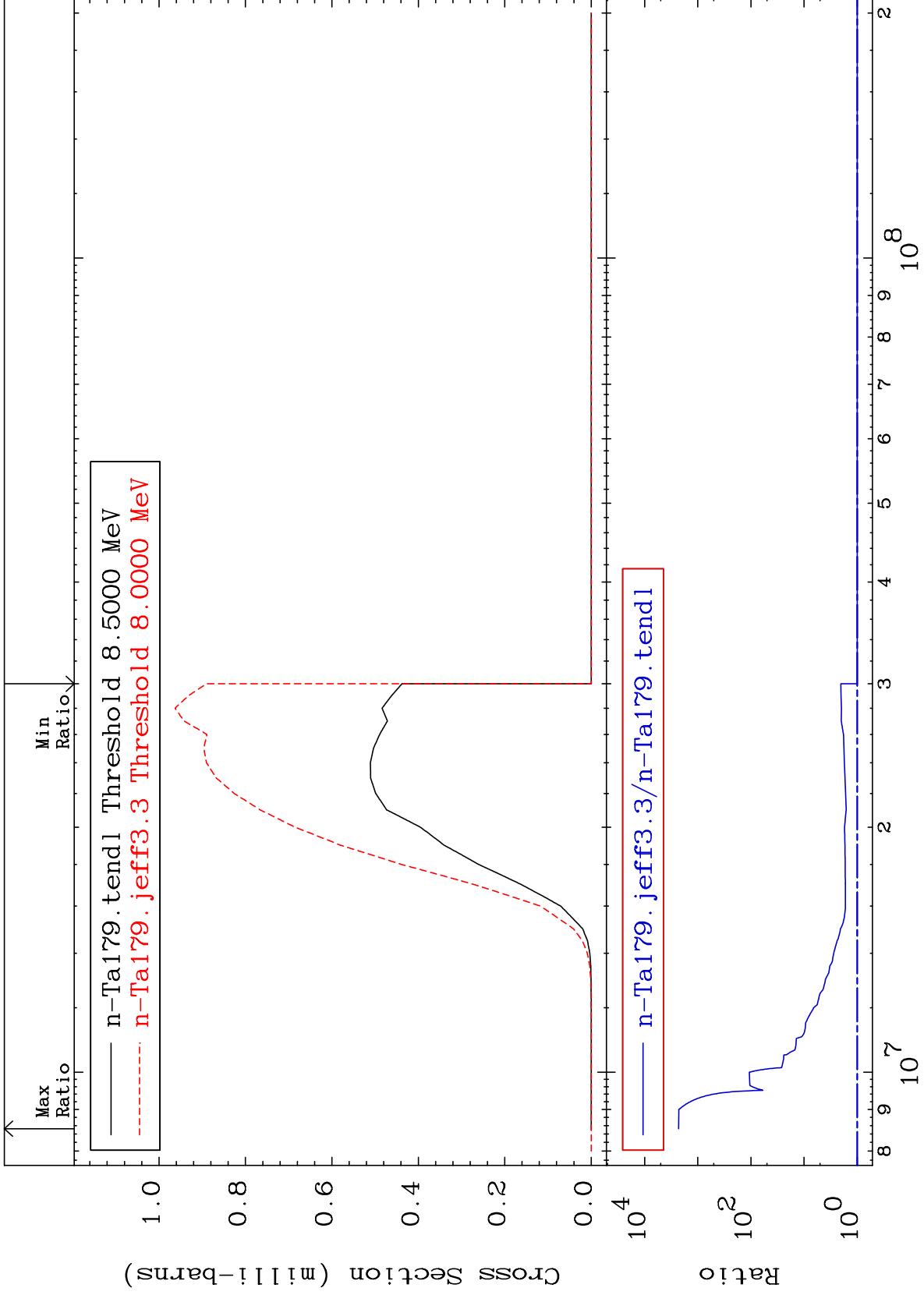


MAT 7322

(n, t) : 72-Hf-177m5

73-Ta-179

Radionuclide Production Cross Section 0.000 To 9999. %



97

Incident Energy (eV)

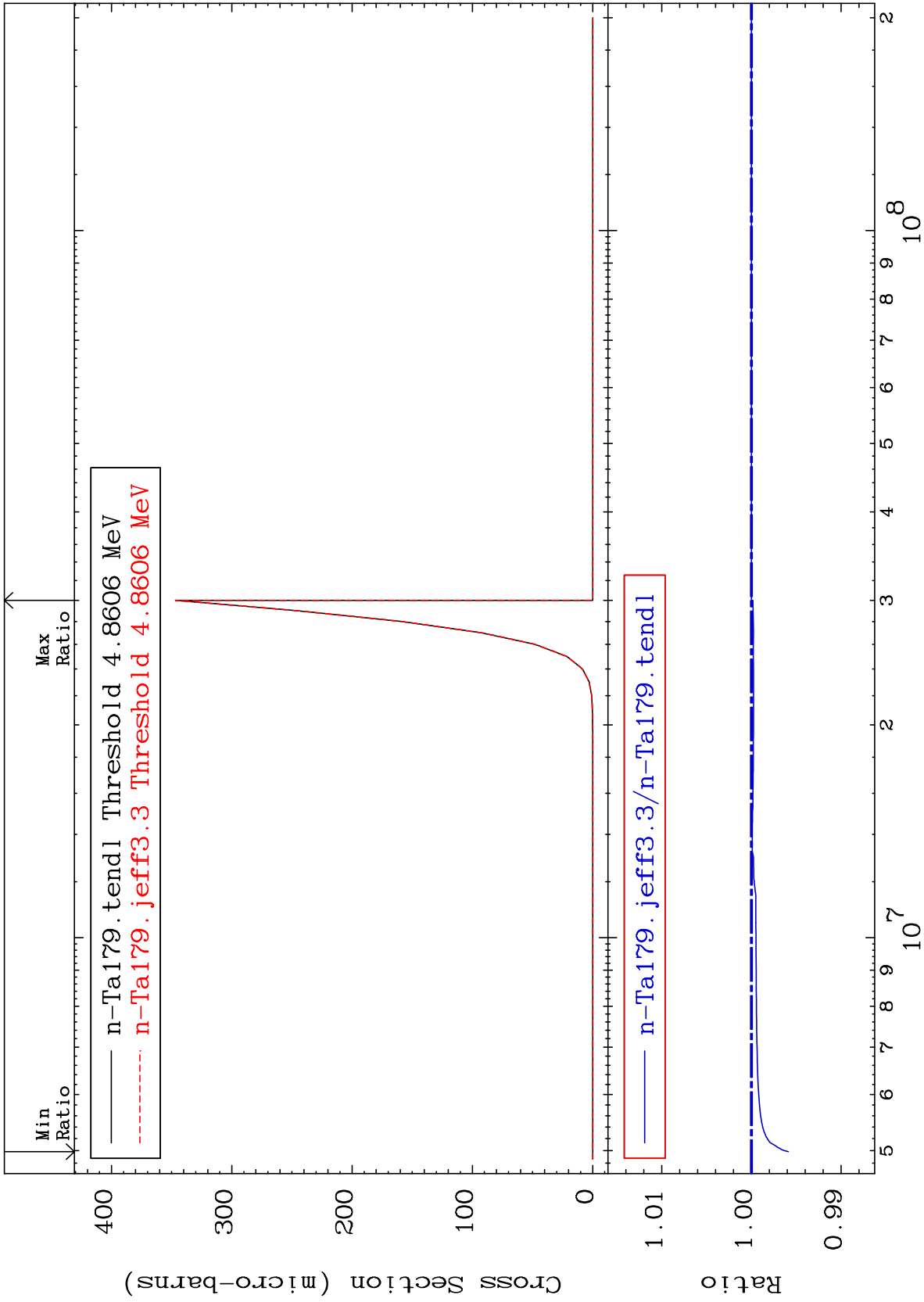
73-Ta-179

MAT 7322

(n,He-3):71-Lu-177g

73-Ta-179

Radionuclide Production Cross Section -0.411 To 0.000 %



98

Incident Energy (eV)

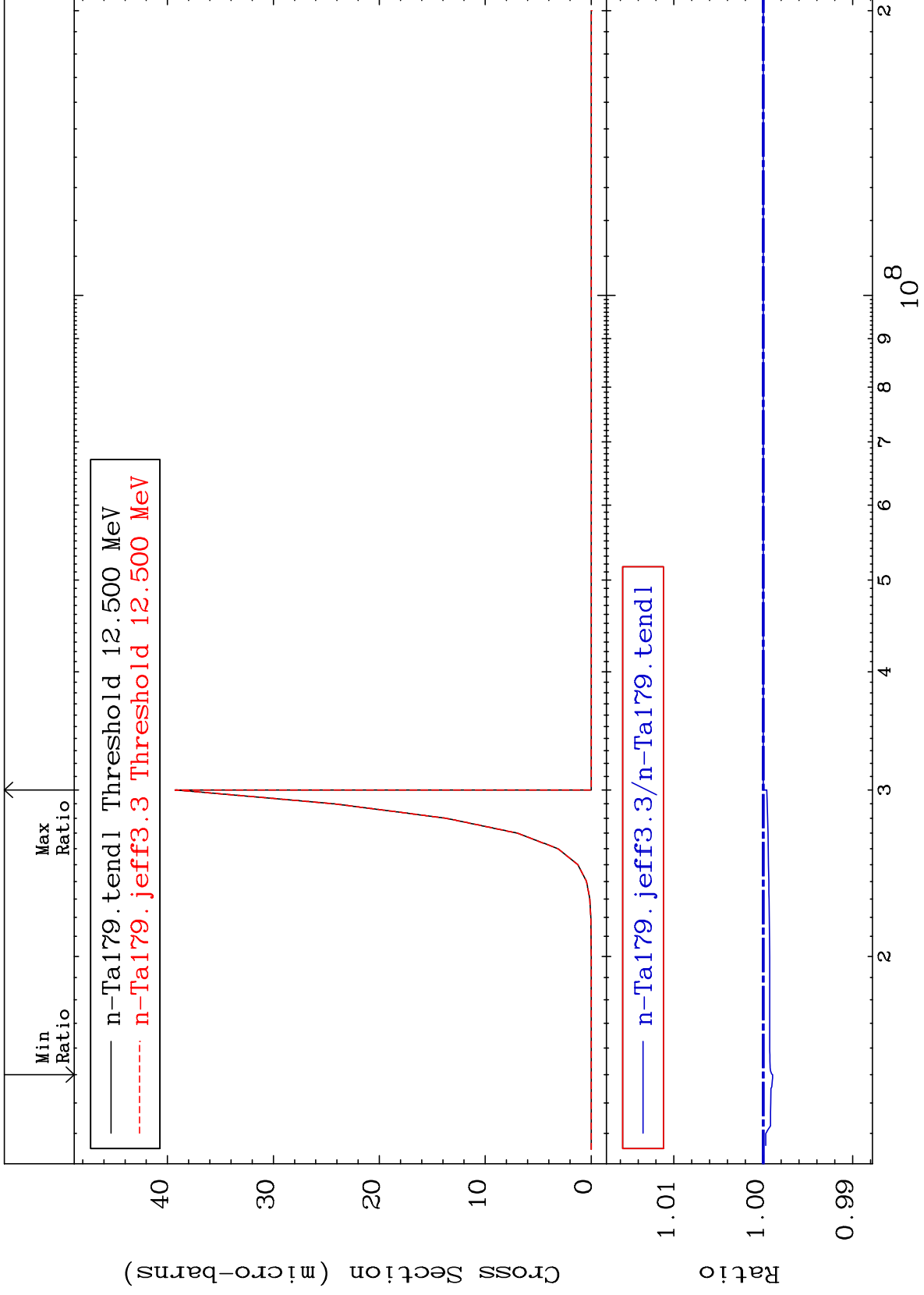
73-Ta-179

MAT 7322

(n, He-3) : 71-Lu-177m29

73-Ta-179

Radionuclide Production Cross Section -0.105 To 0.000 %



99

Incident Energy (eV)

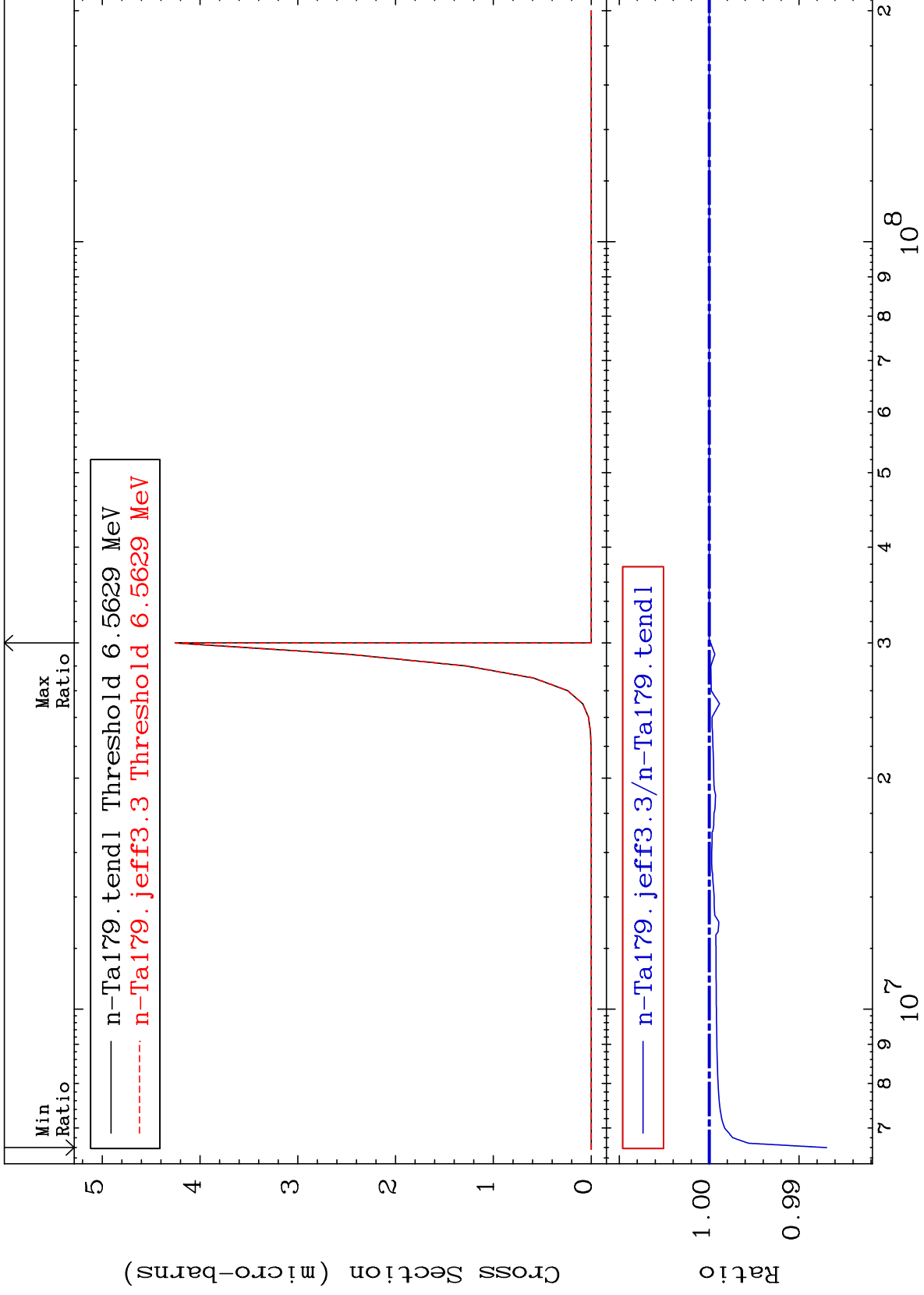
73-Ta-179

MAT 7322

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

73-Ta-179

Radionuclide Production Cross Section -1.307 To 0.000 %



100

Incident Energy (eV)

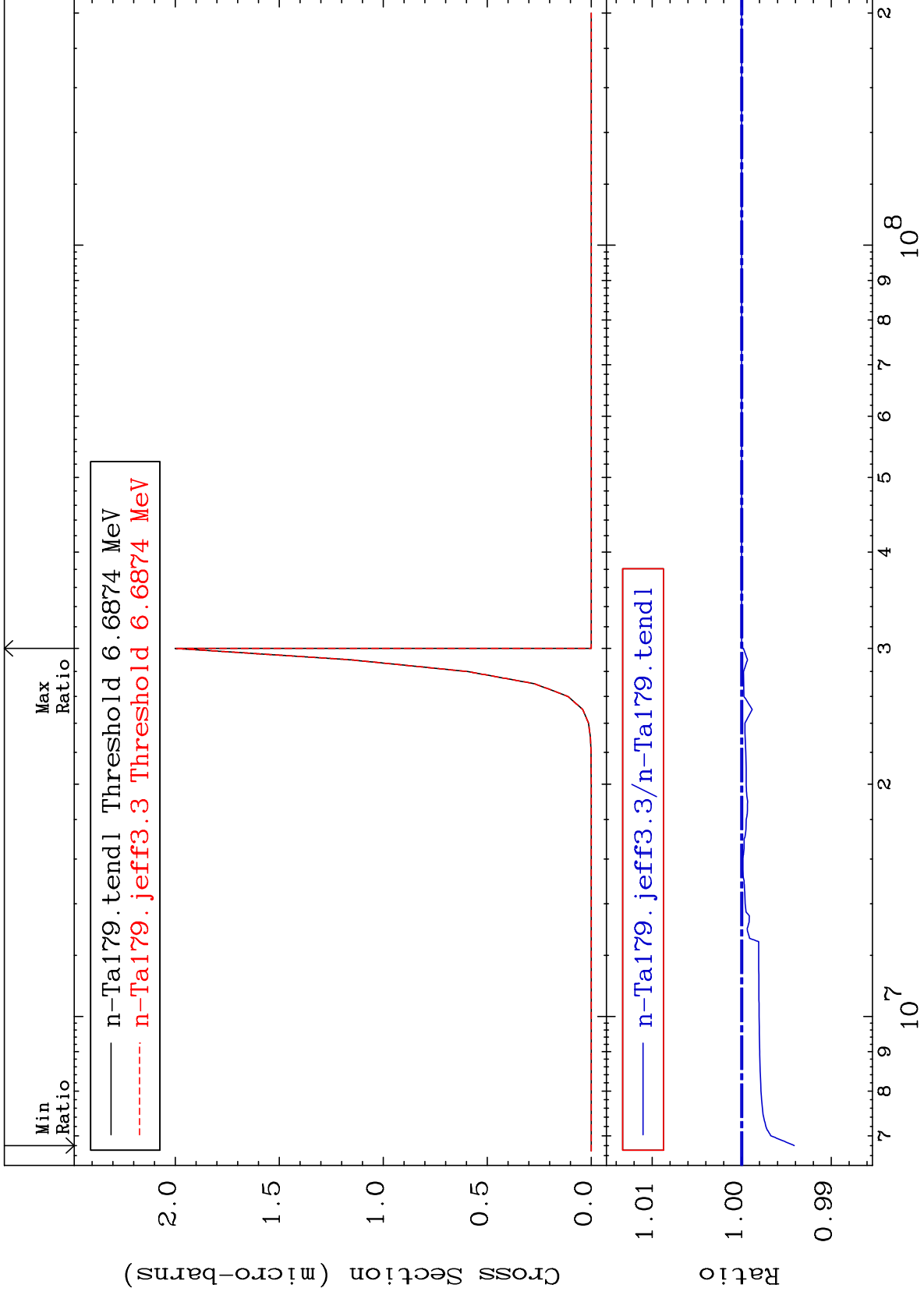
73-Ta-179

MAT 7322

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

73-Ta-179

Radionuclide Production Cross Section -0.587 To 0.000 %

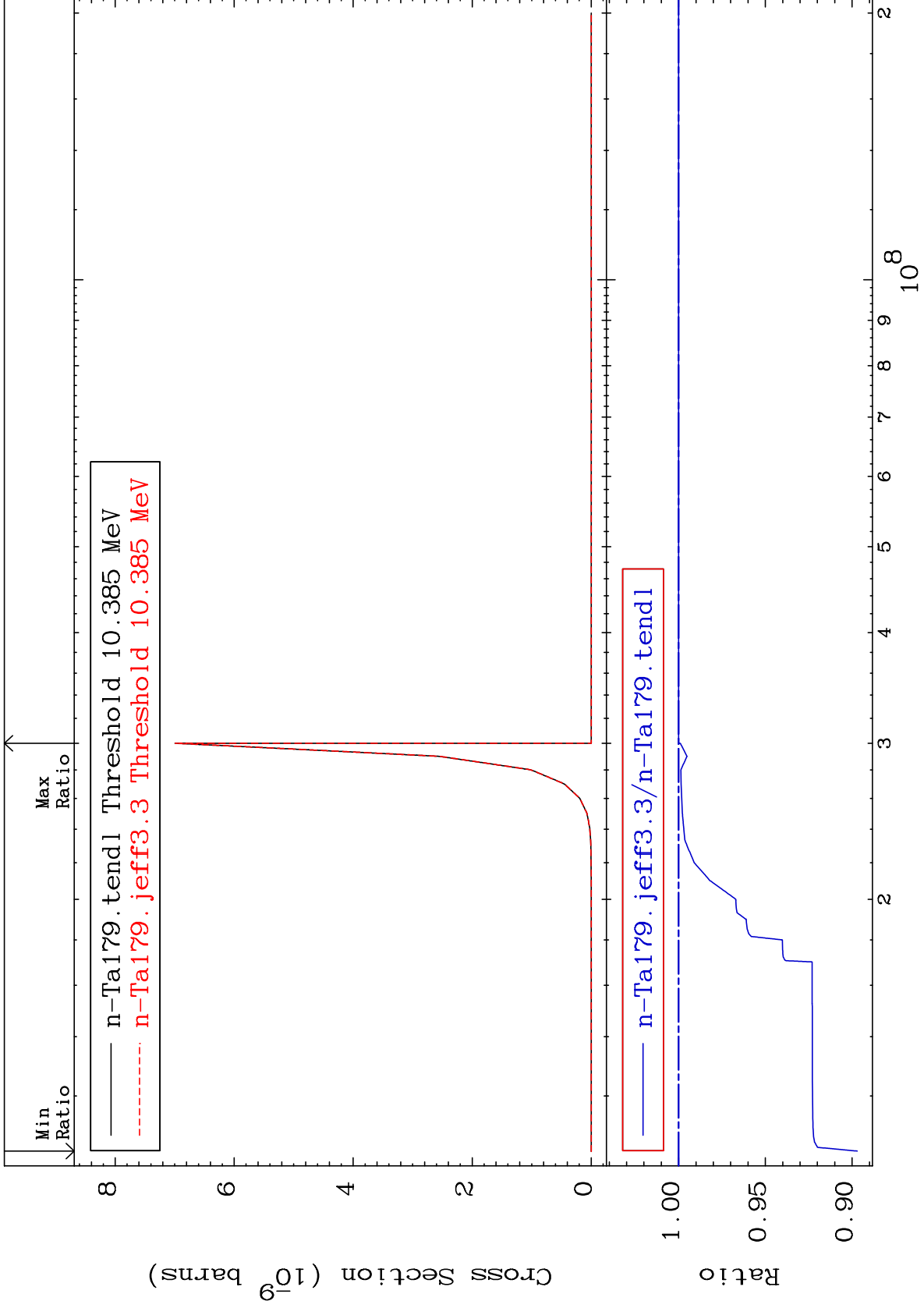


101

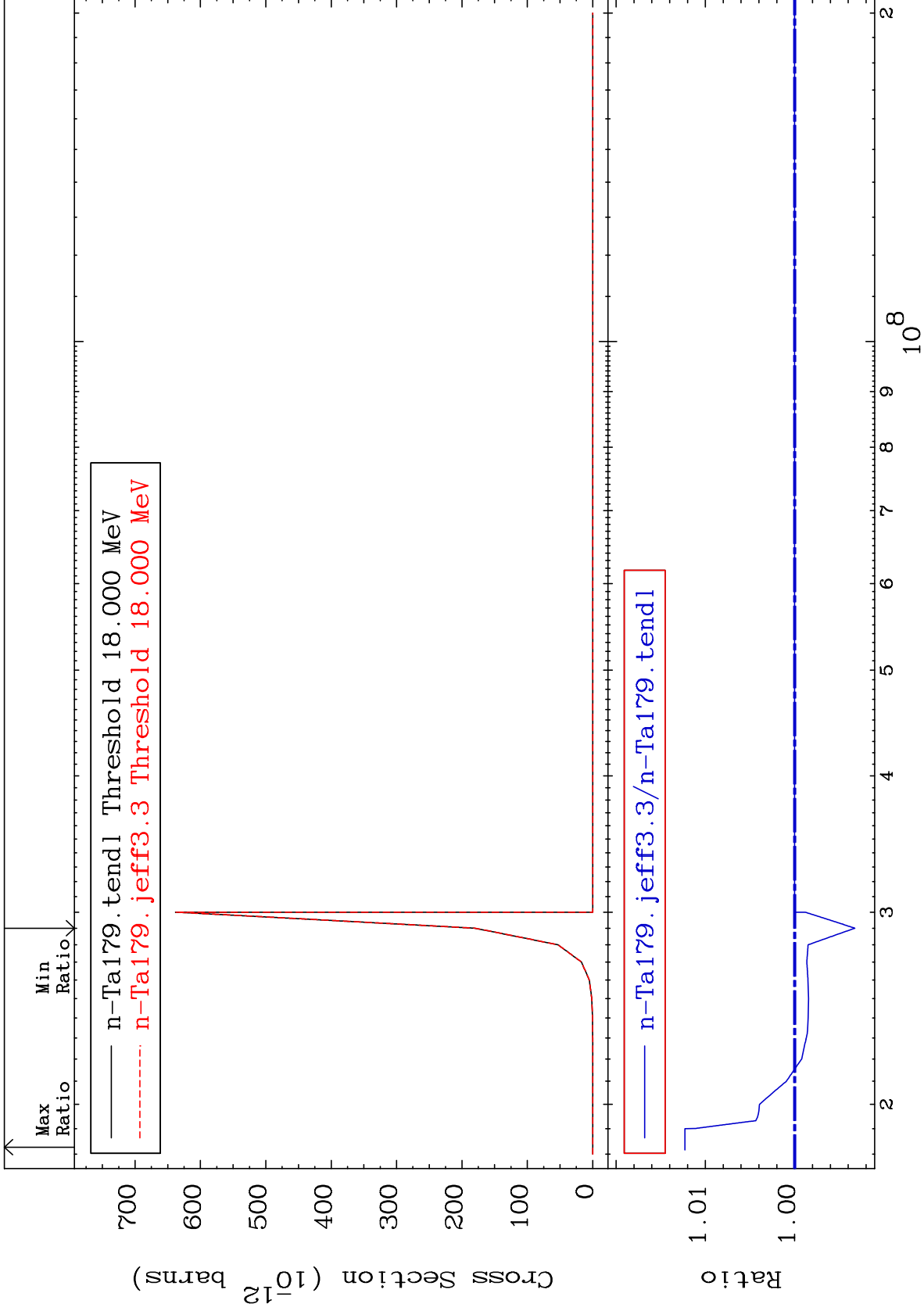
Incident Energy (eV)

73-Ta-179

Radionuclide Production Cross Section -10.30 To 0.000 %



Radionuclide Production Cross Section -0.674 To 1.229 %

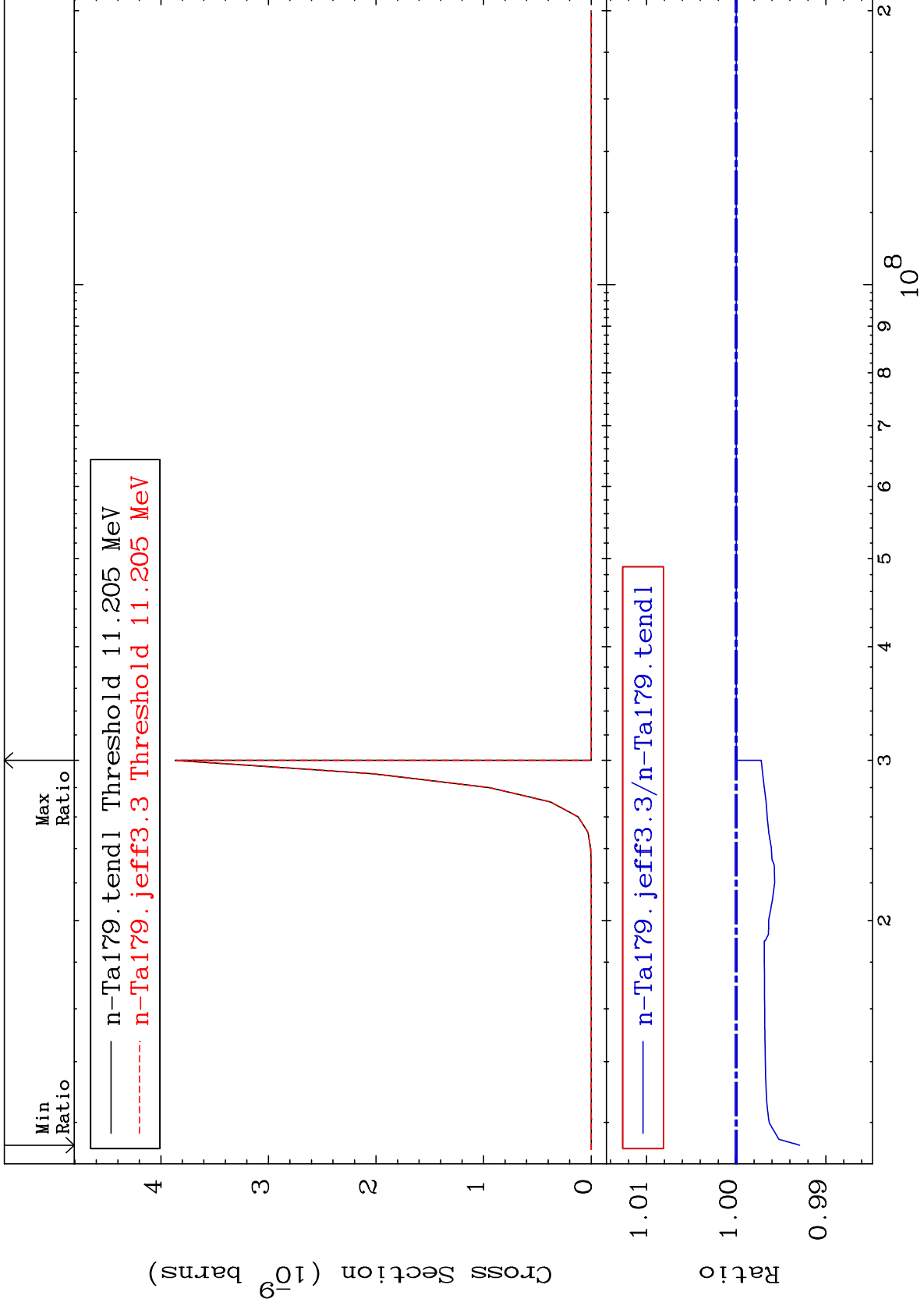


MAT 7322

(n, p) t: 71-Lu-176g

⁷³Ta-179

Radionuclide Production Cross Section -0.709 To 0.000 %



104

Incident Energy (eV)

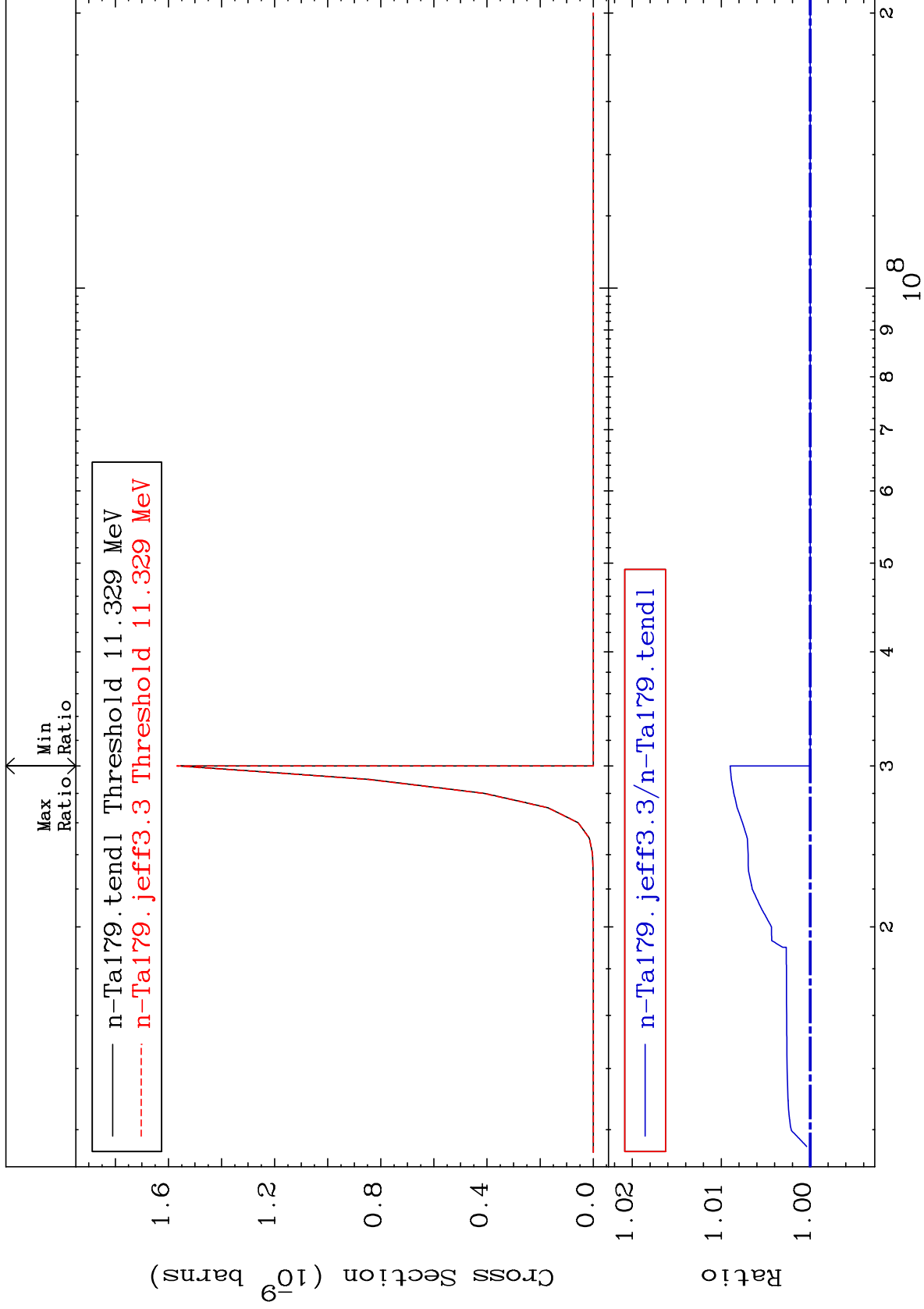
⁷³Ta-179

MAT 7322

(n, p) t:71-Lu-176m1

⁷³Ta-179

Radionuclide Production Cross Section 0.000 To 0.900 %



105

Incident Energy (eV)

⁷³Ta-179