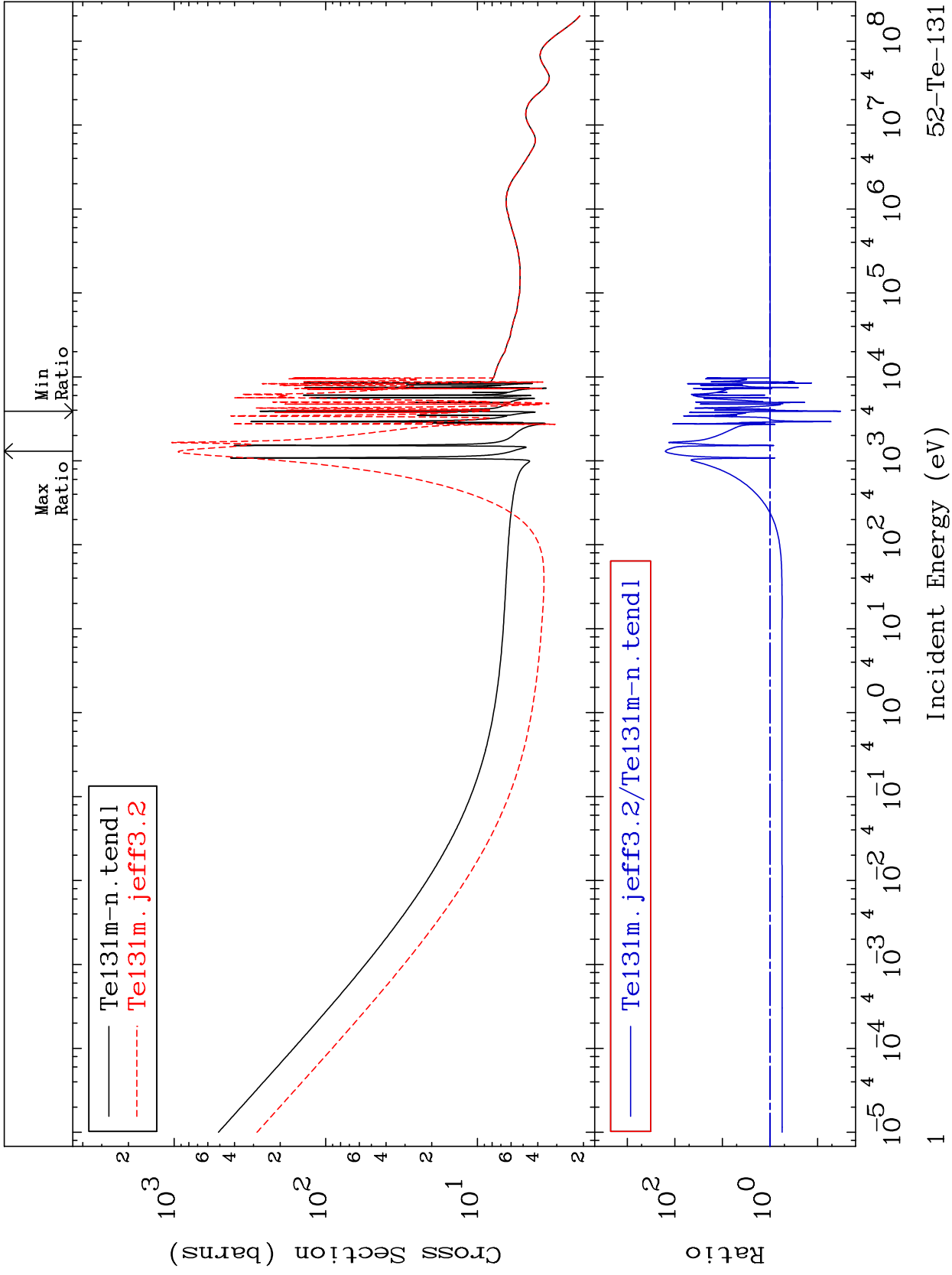


MAT 5259

Total Cross Section
52-Te-131
-96.73 To 9999. %



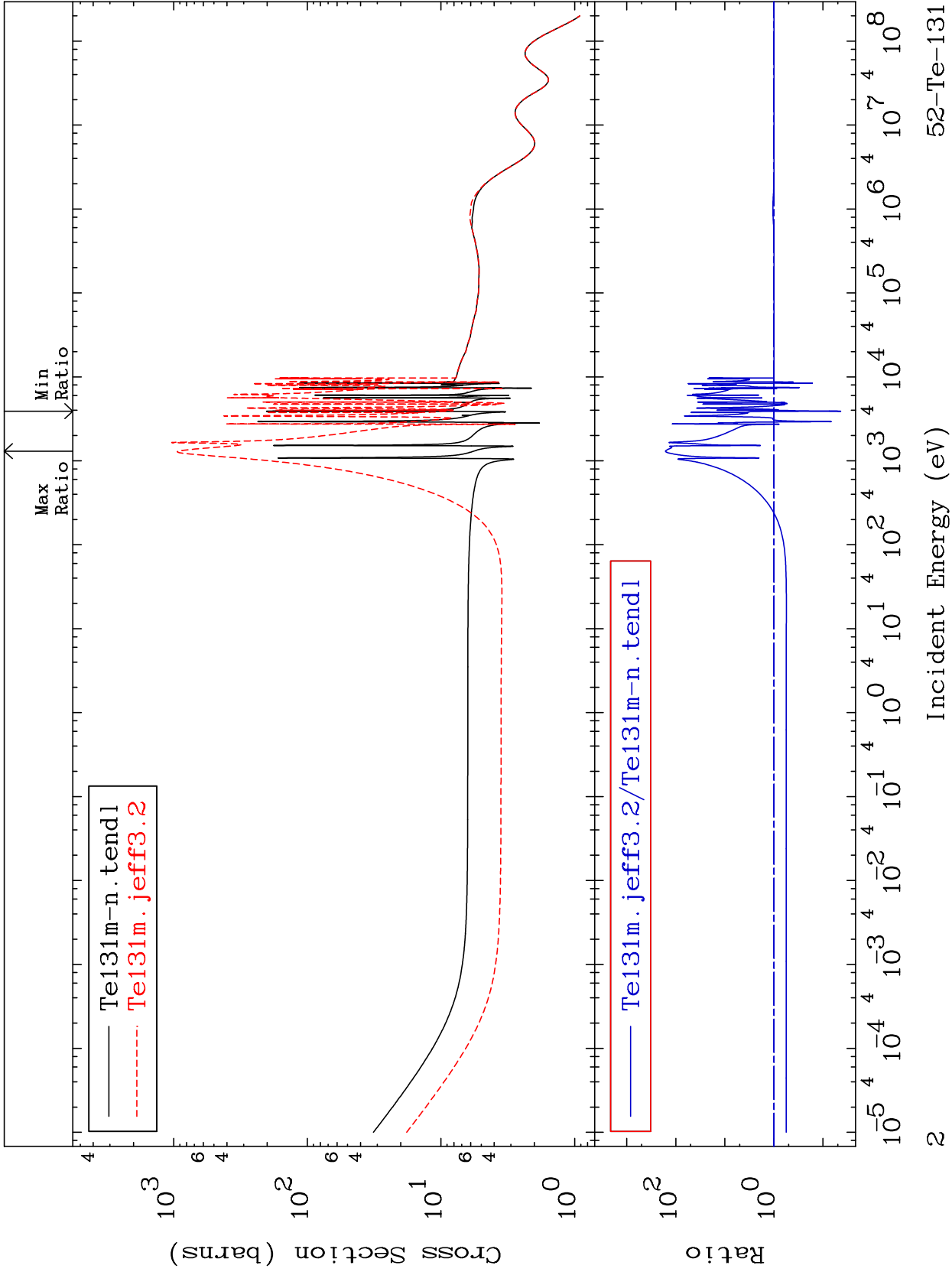
52-Te-131

Incident Energy (eV)

MAT 5259

Elastic
Cross Section

52-Te-131
-95.63 To 9999. %



52-Te-131

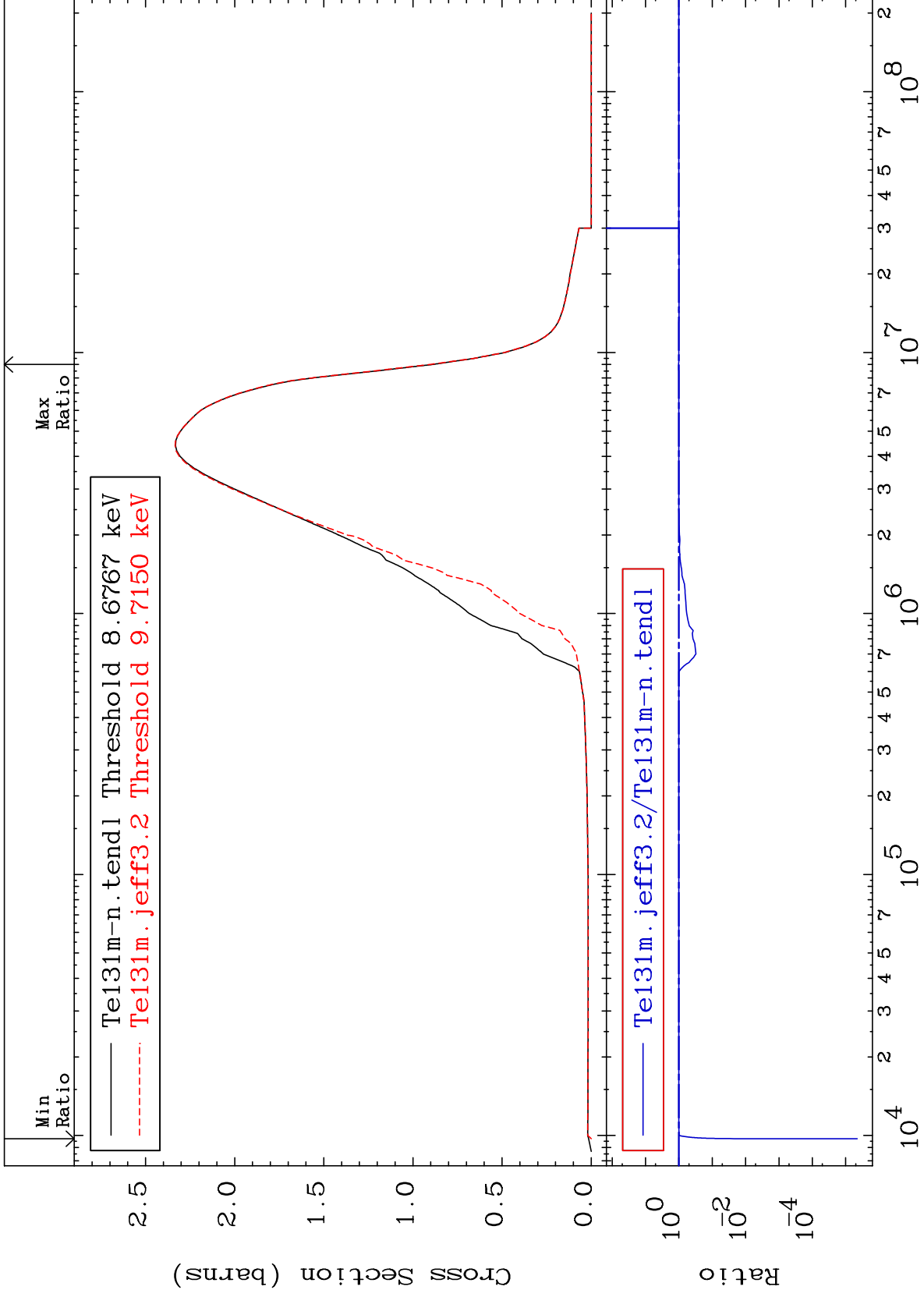
Incident Energy (eV)

2

MAT 5259

Inelastic
Cross Section

52-Te-131
-100.0 To 1.785 %



Incident Energy (eV)

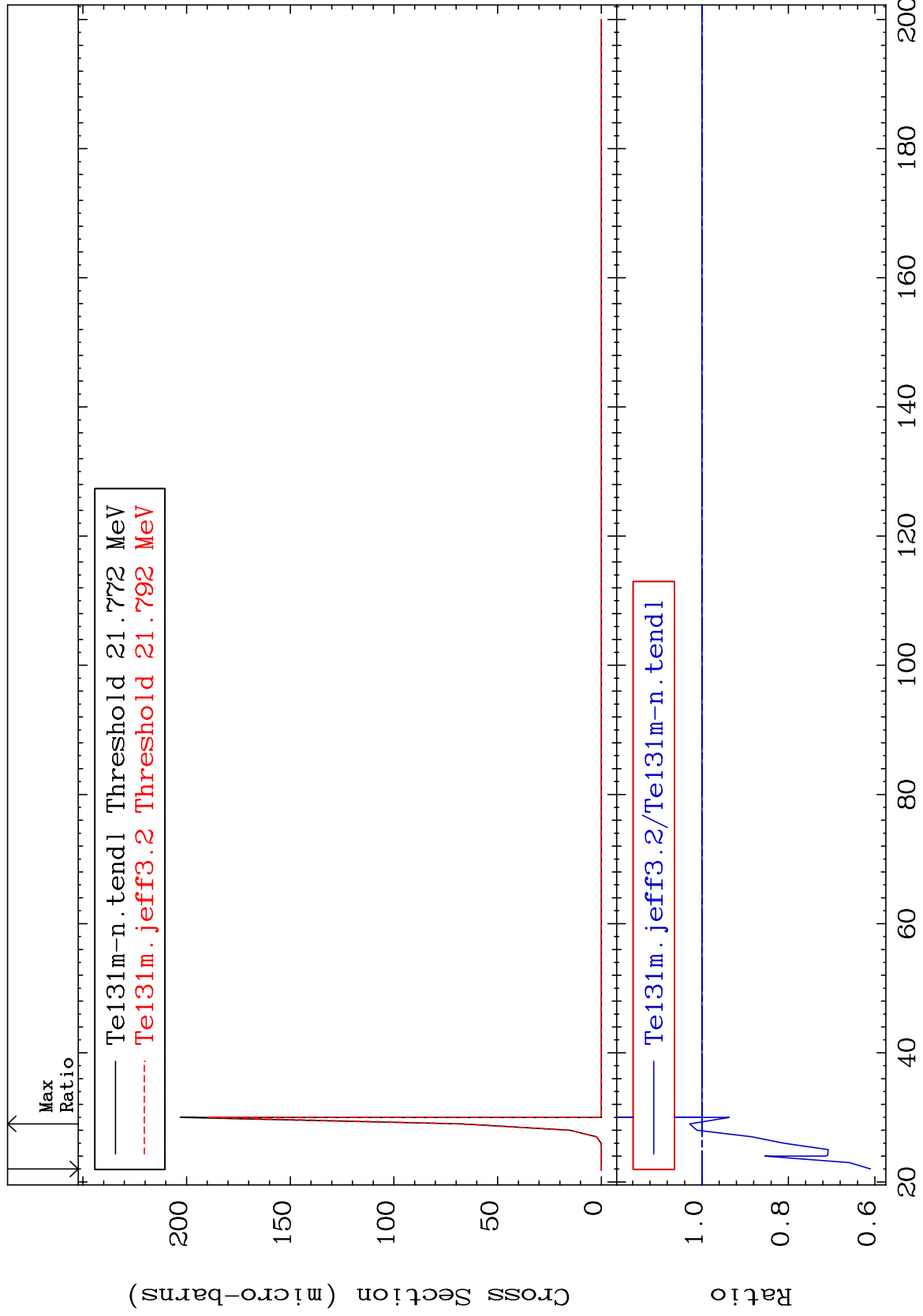
52-Te-131

3

MAT 5259

(n,2n) d
Cross Section

52-Te-131
-38.99 To 2.798 %



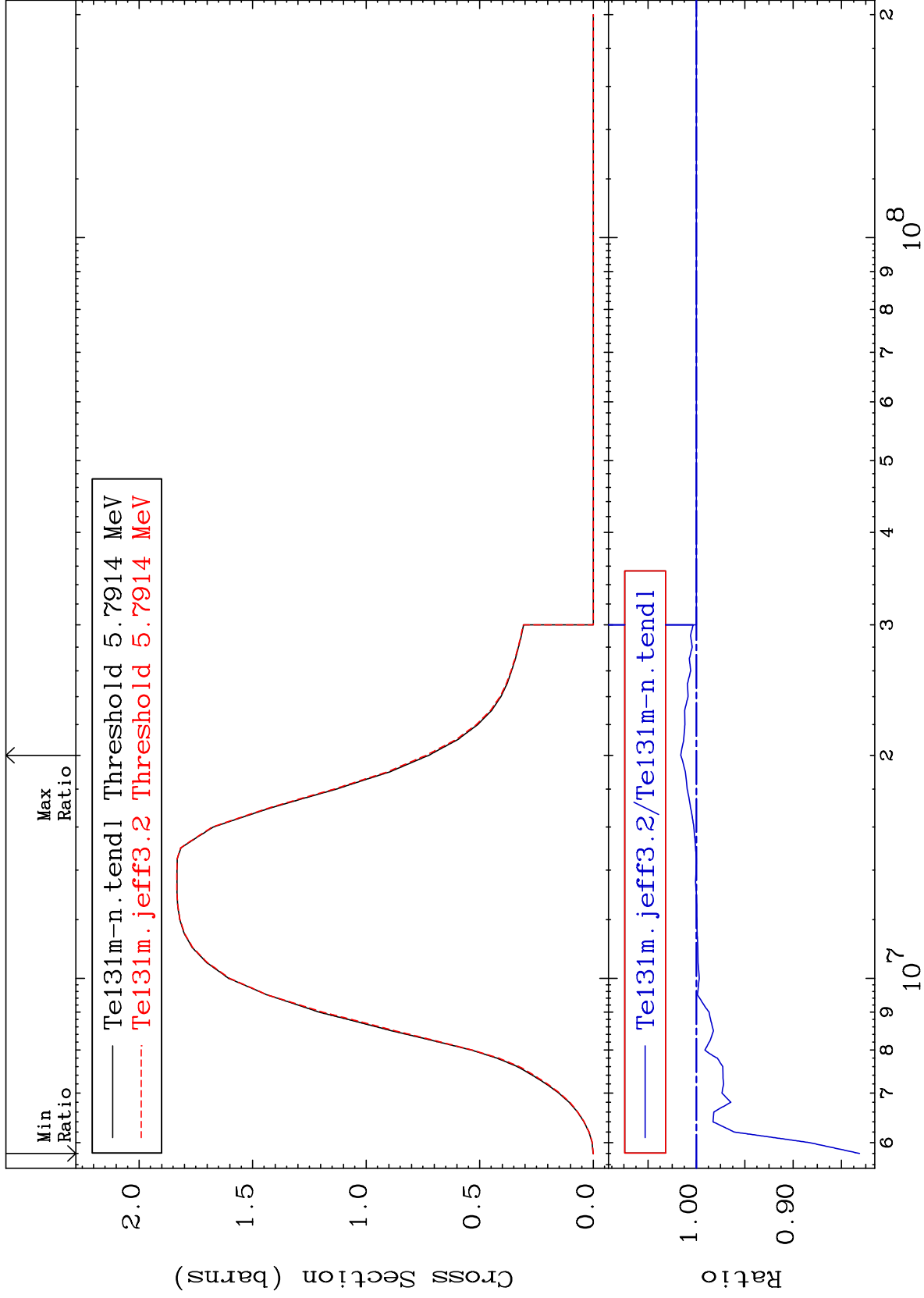
MAT 5259

(n,2n)

52-Te-131

Cross Section

-16.86 To 1.616 %



5

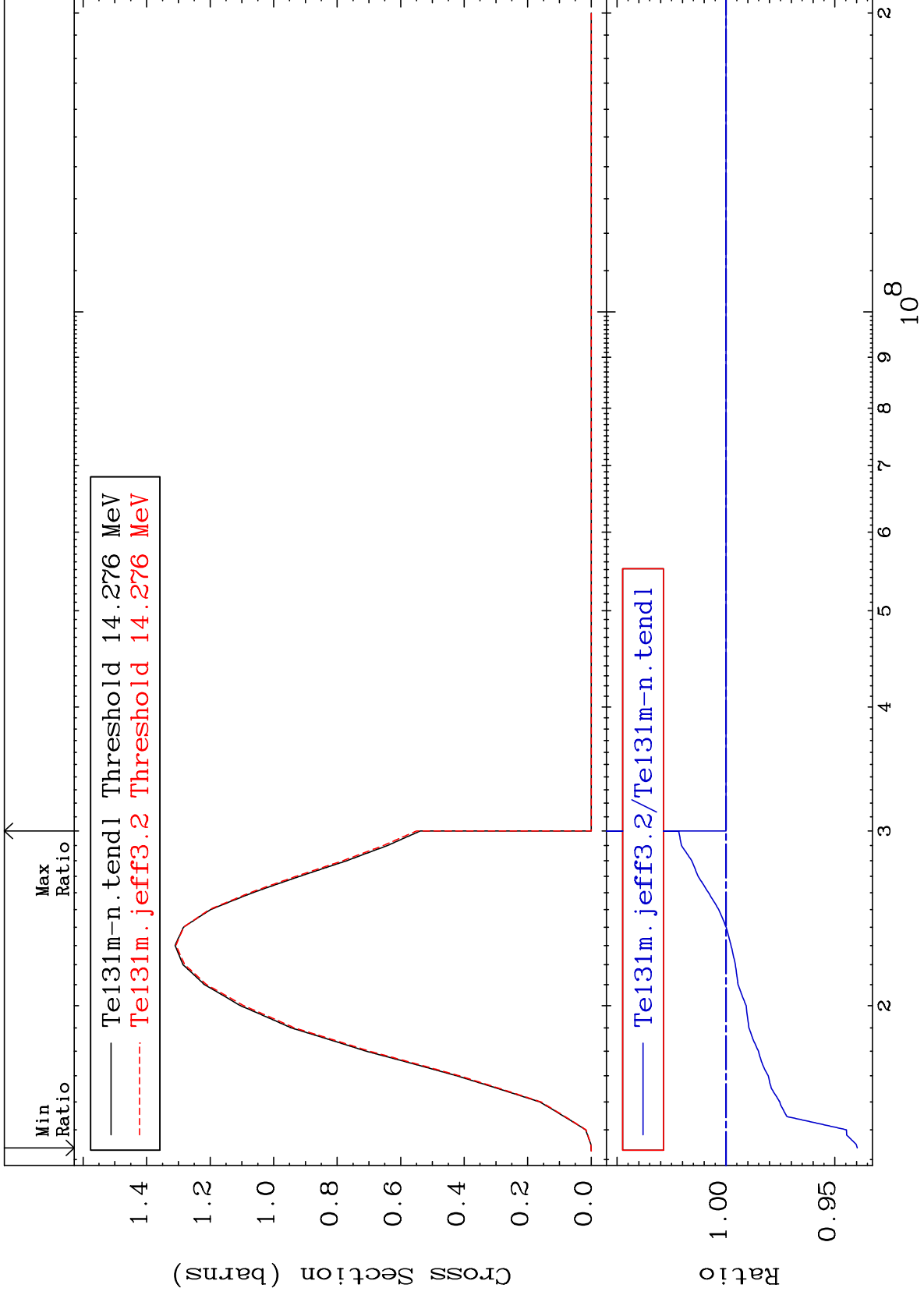
Incident Energy (eV)

52-Te-131

MAT 5259

(n,3n)
Cross Section

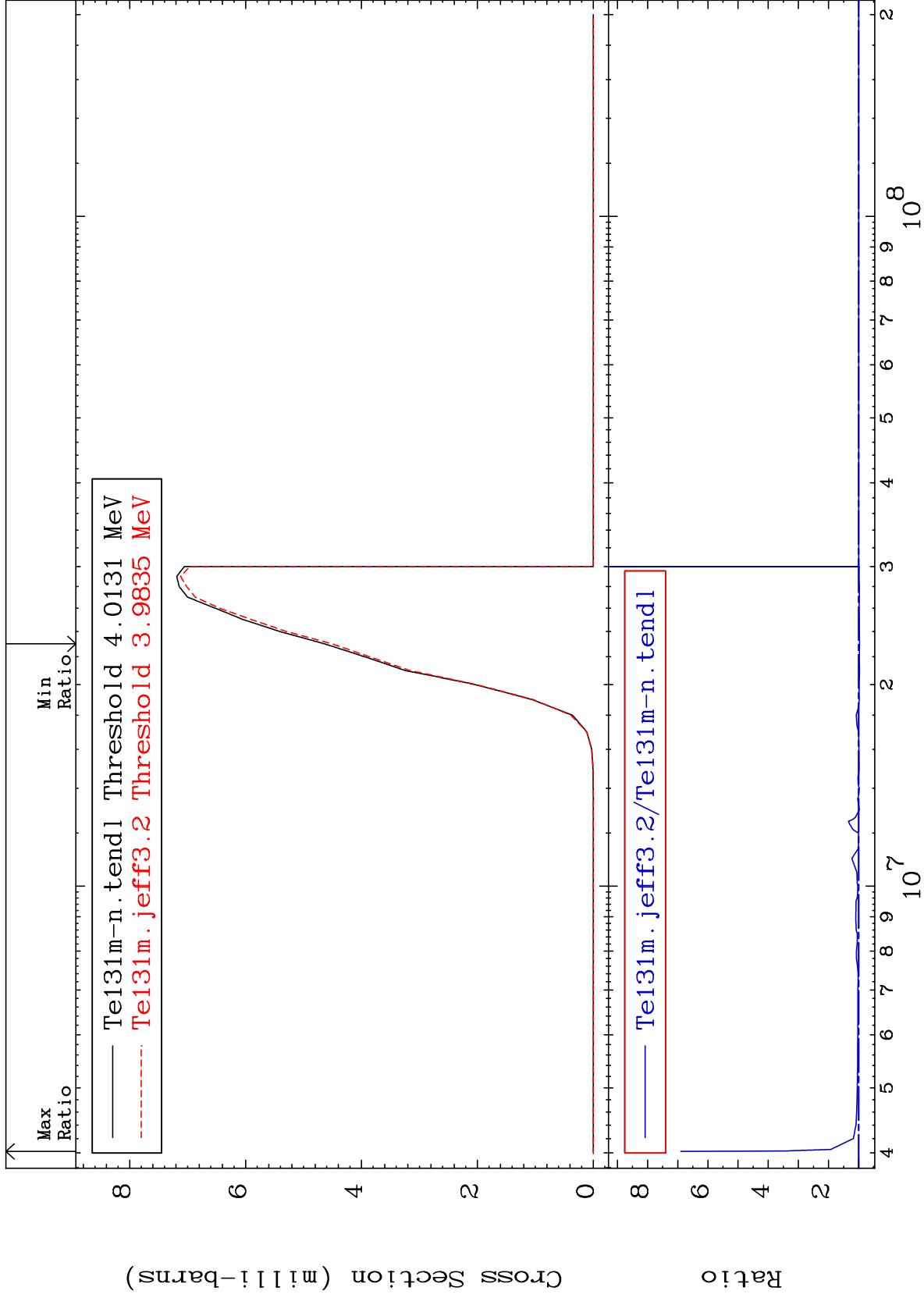
52-Te-131
-6.028 To 2.175 %



MAT 5259

52-Te-131

(n,n') α
Cross Section
-2.755 To 589.9 %



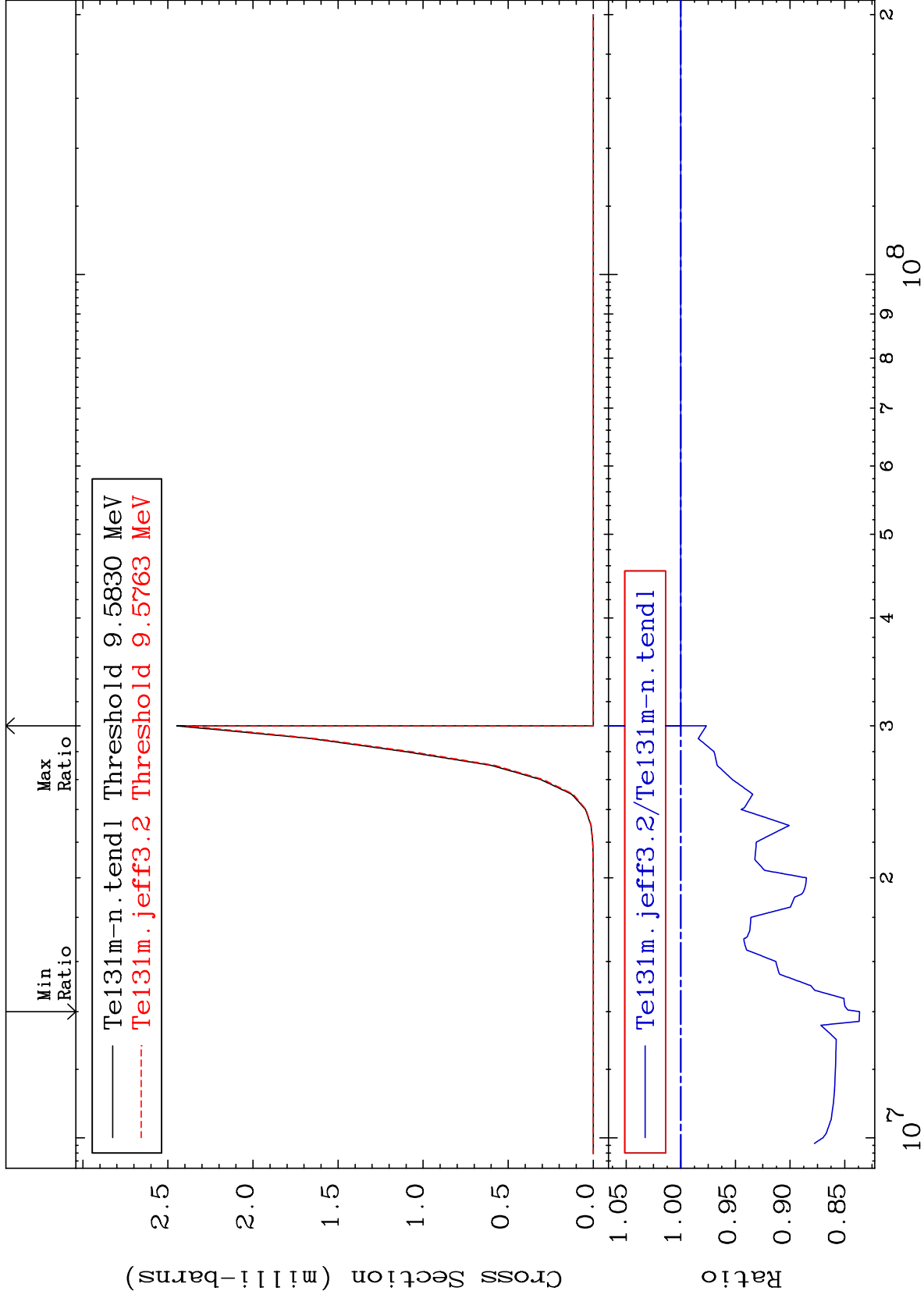
7

Incident Energy (eV)

52-Te-131

MAT 5259

(n,2n) α Cross Section
52-Te-131
-16.35 To 0.000 %



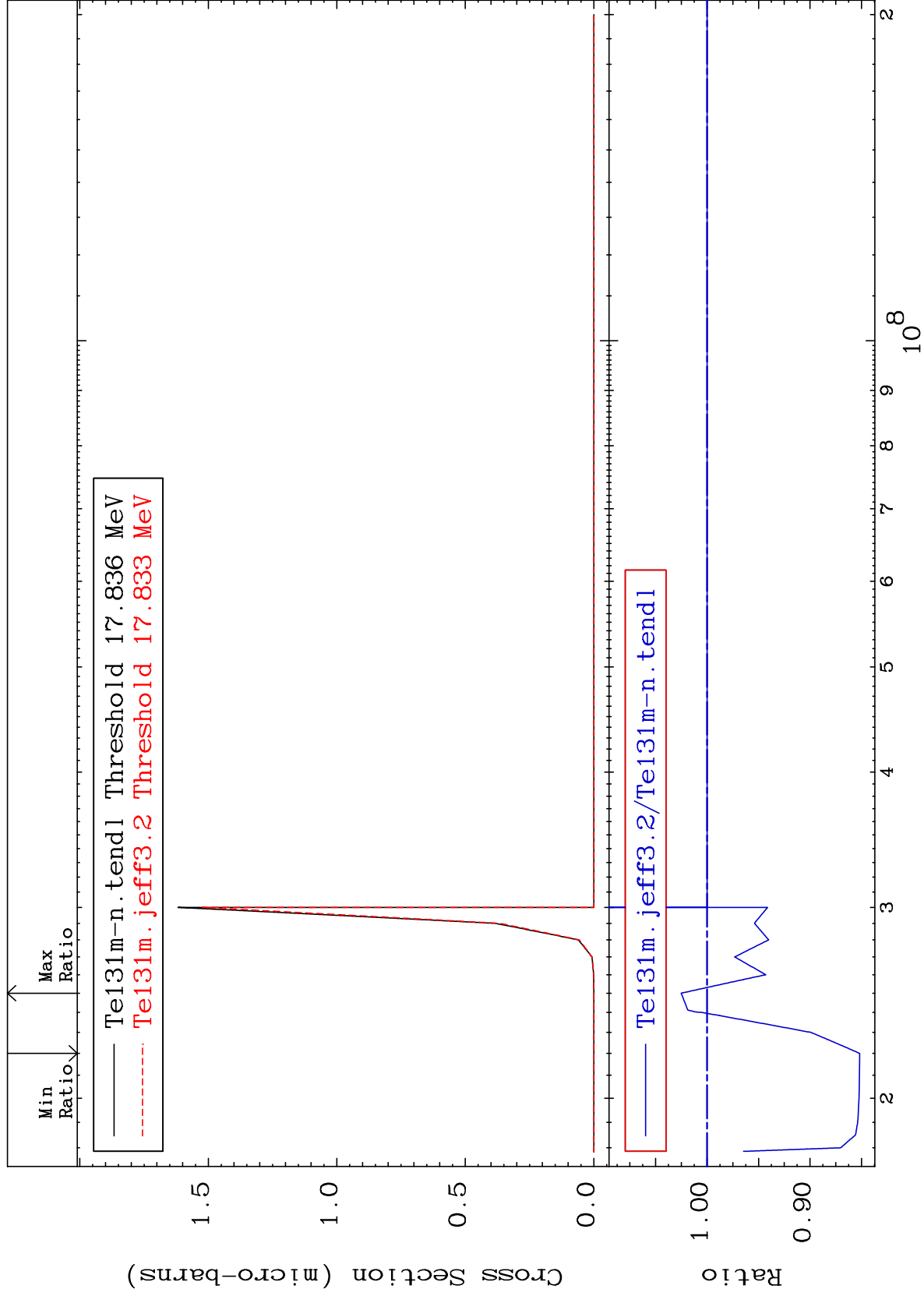
52-Te-131

Incident Energy (eV)

MAT 5259

(n,3n) α
Cross Section

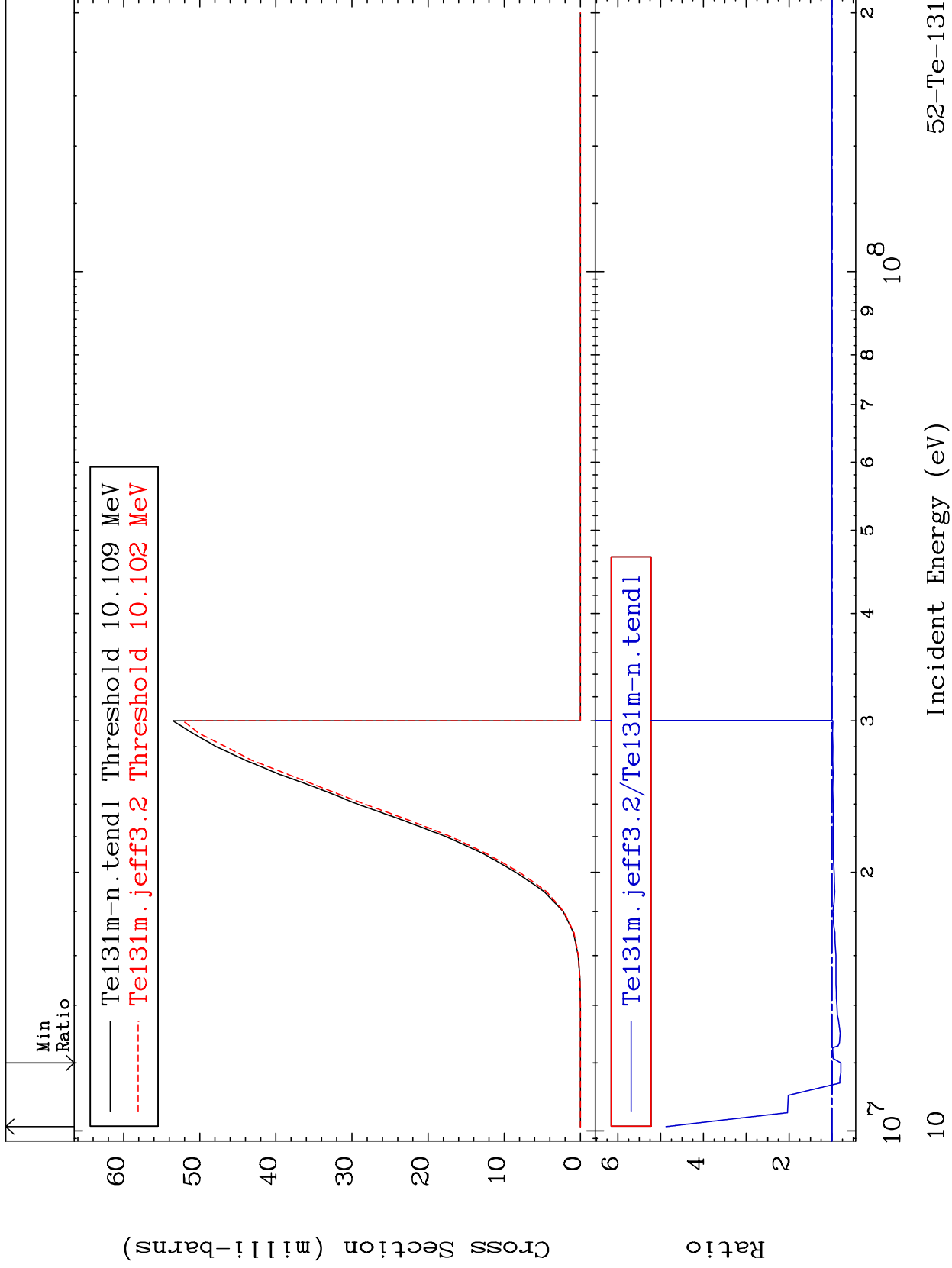
52-Te-131
-14.82 To 2.518 %



MAT 5259

(n,n') p
Cross Section

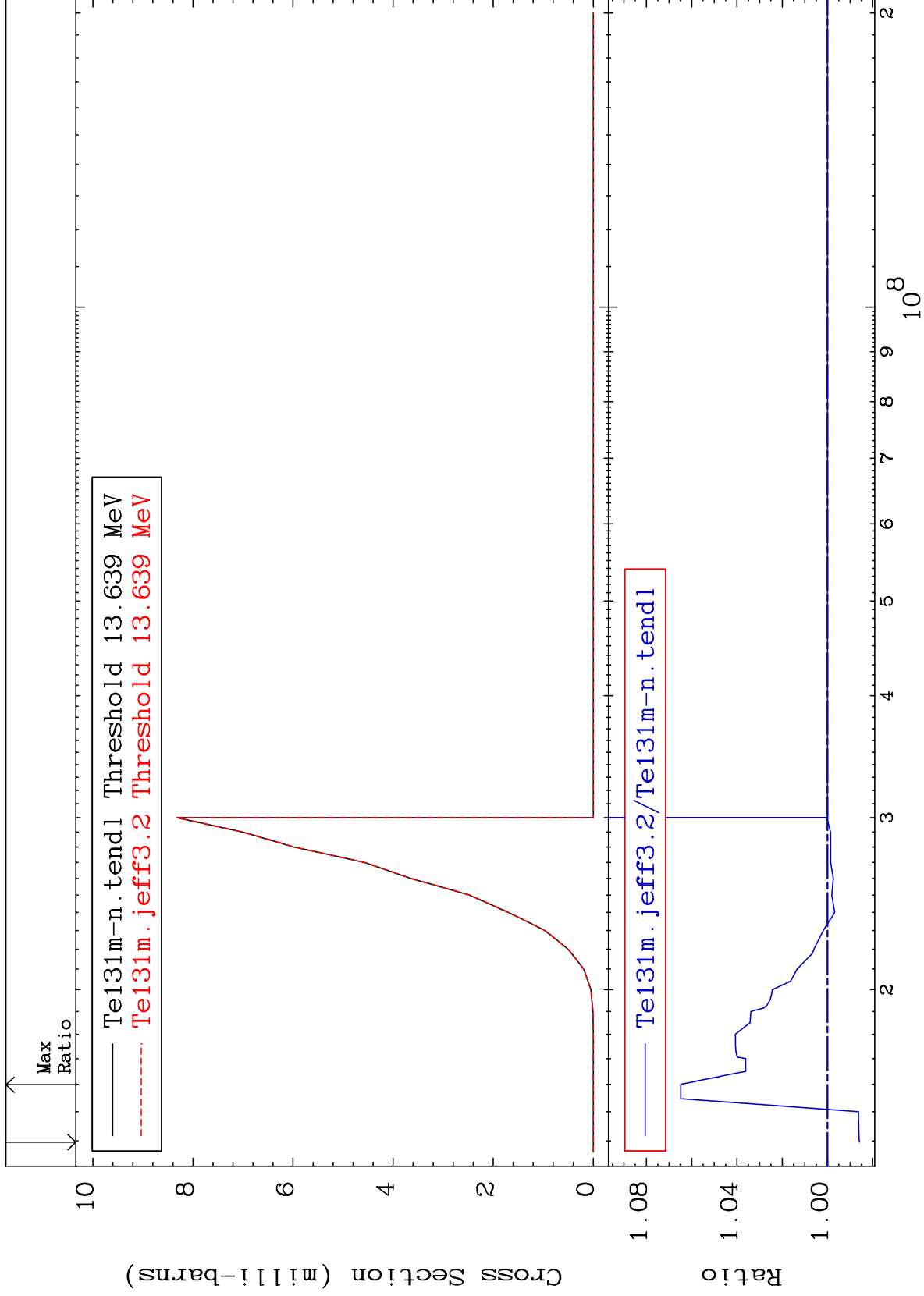
52-Te-131
-21.04 To 387.6 %



MAT 5259

(n,n') d
Cross Section

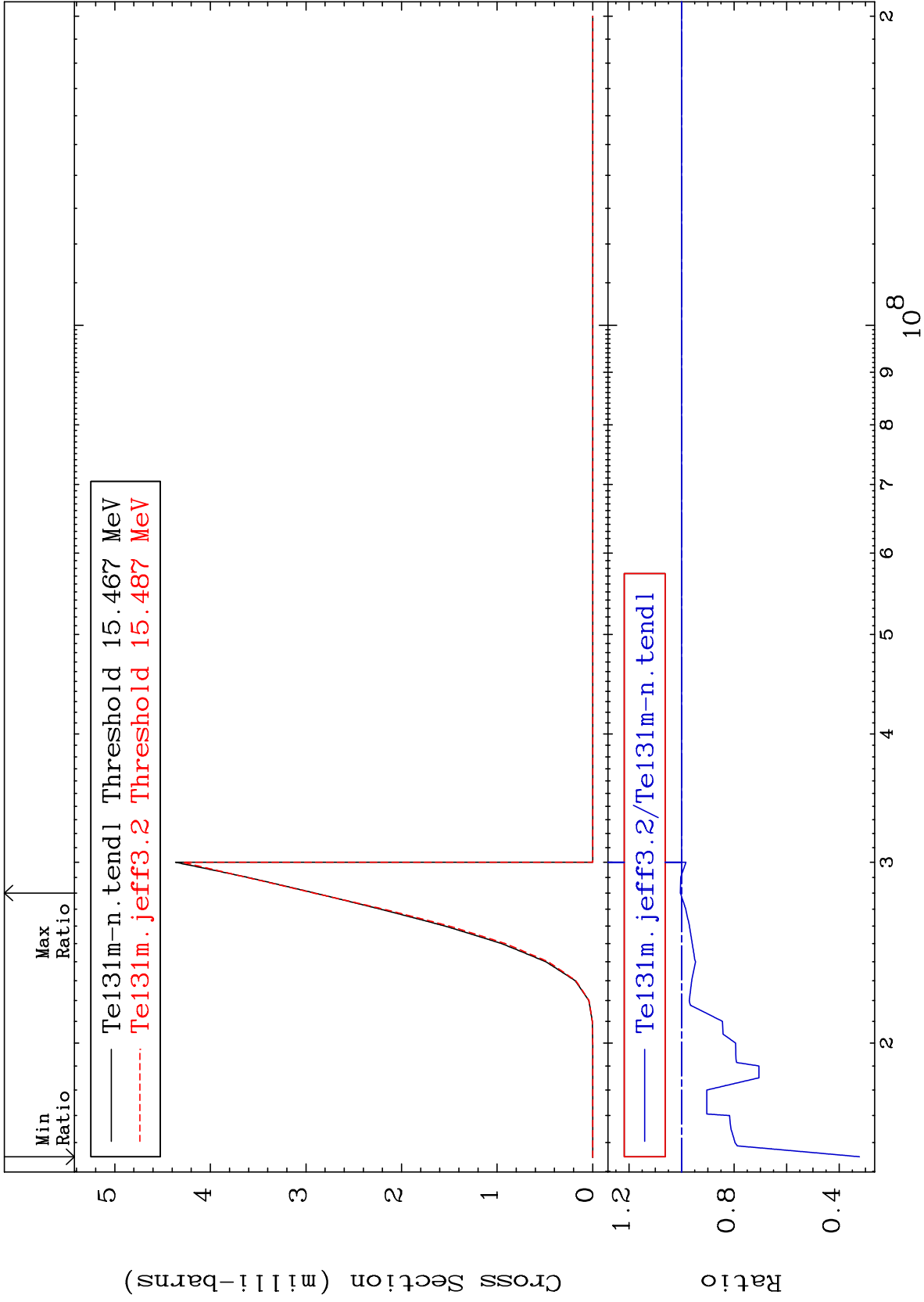
52-Te-131
-1.416 To 6.483 %



MAT 5259

(n,n') t
Cross Section

52-Te-131
-67.69 To 0.447 %



12

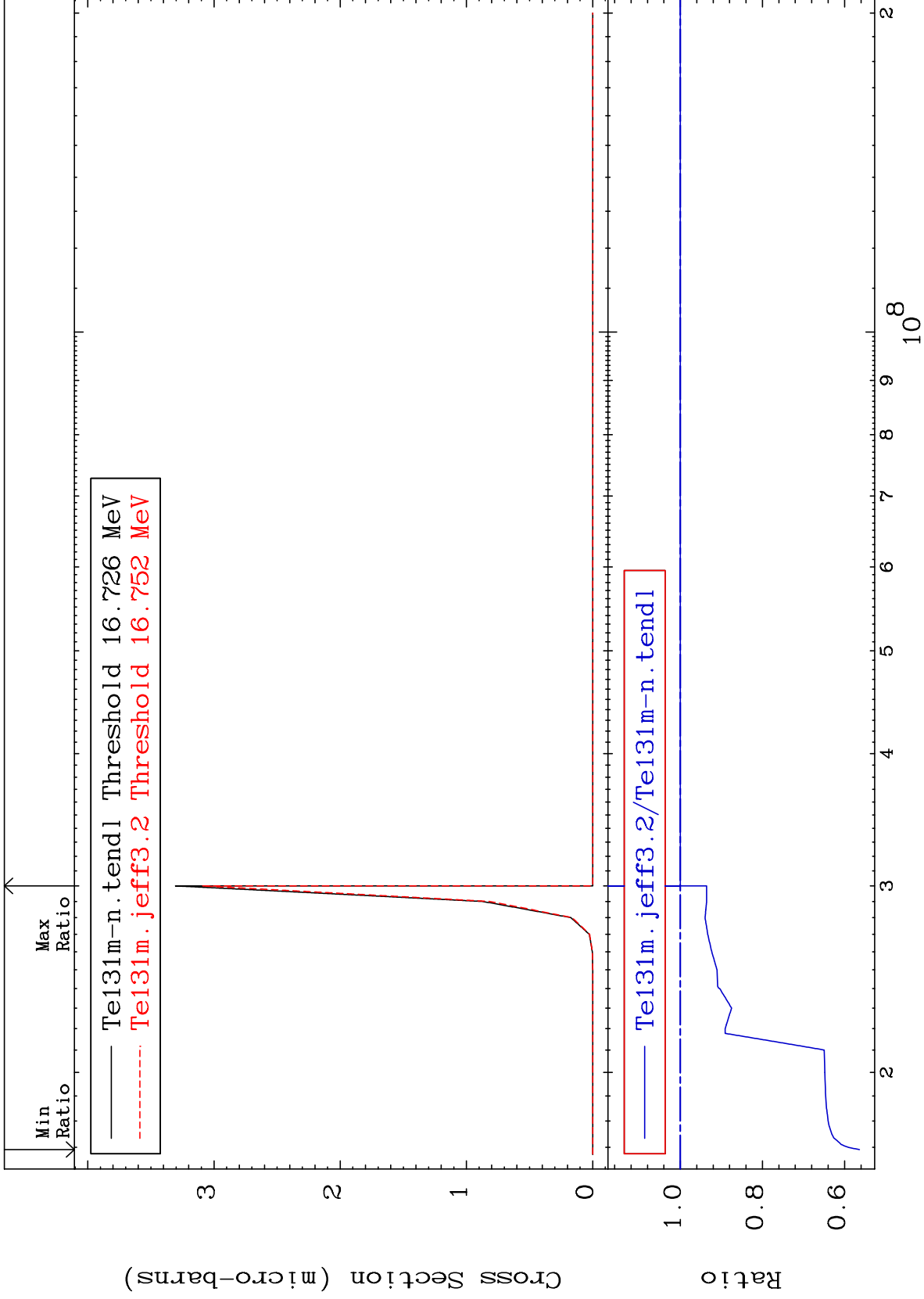
Incident Energy (eV)

52-Te-131

MAT 5259

(n, n') He-3
Cross Section

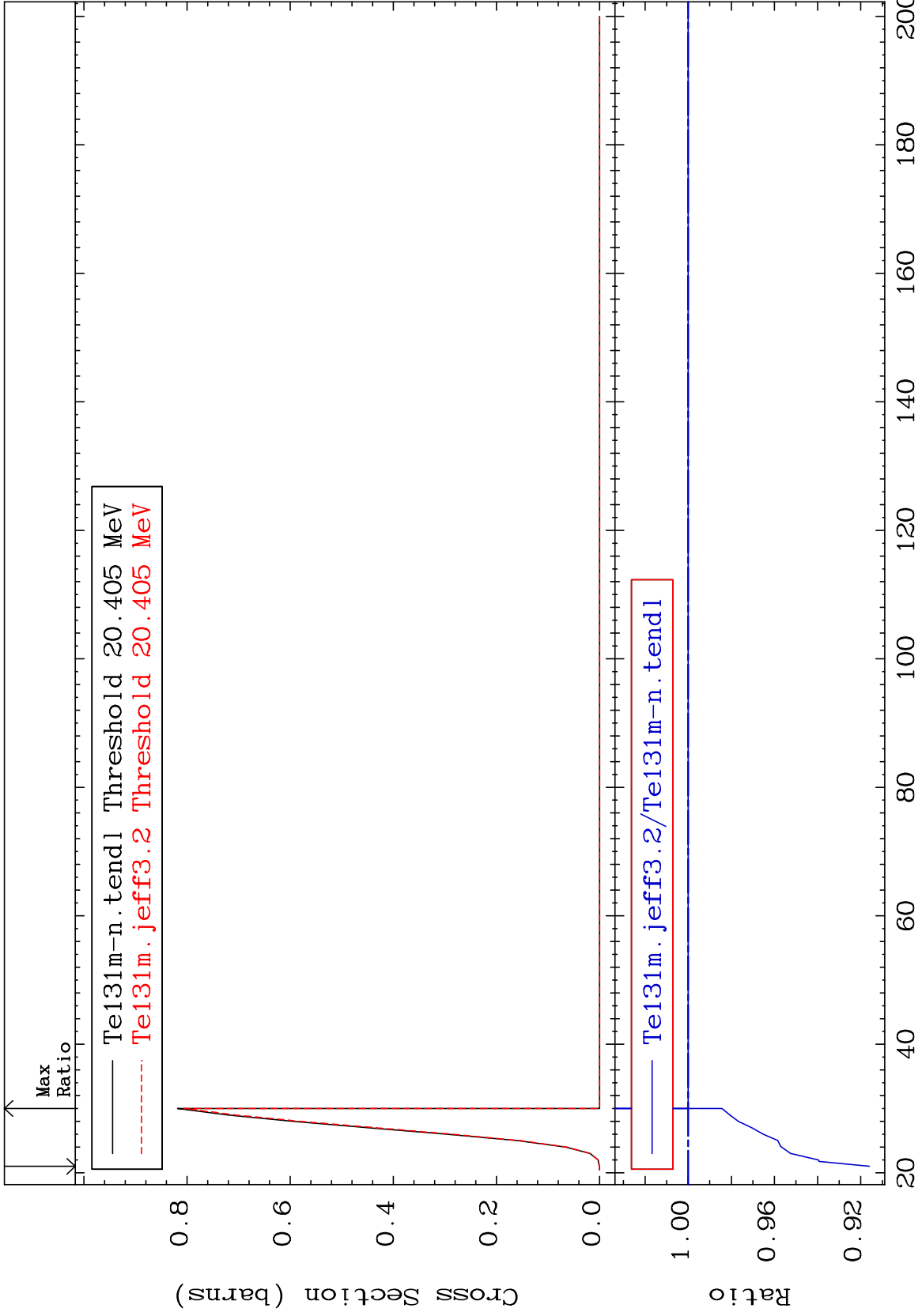
52-Te-131
-43.62 To 0.000 %



MAT 5259

(n,4n)
Cross Section

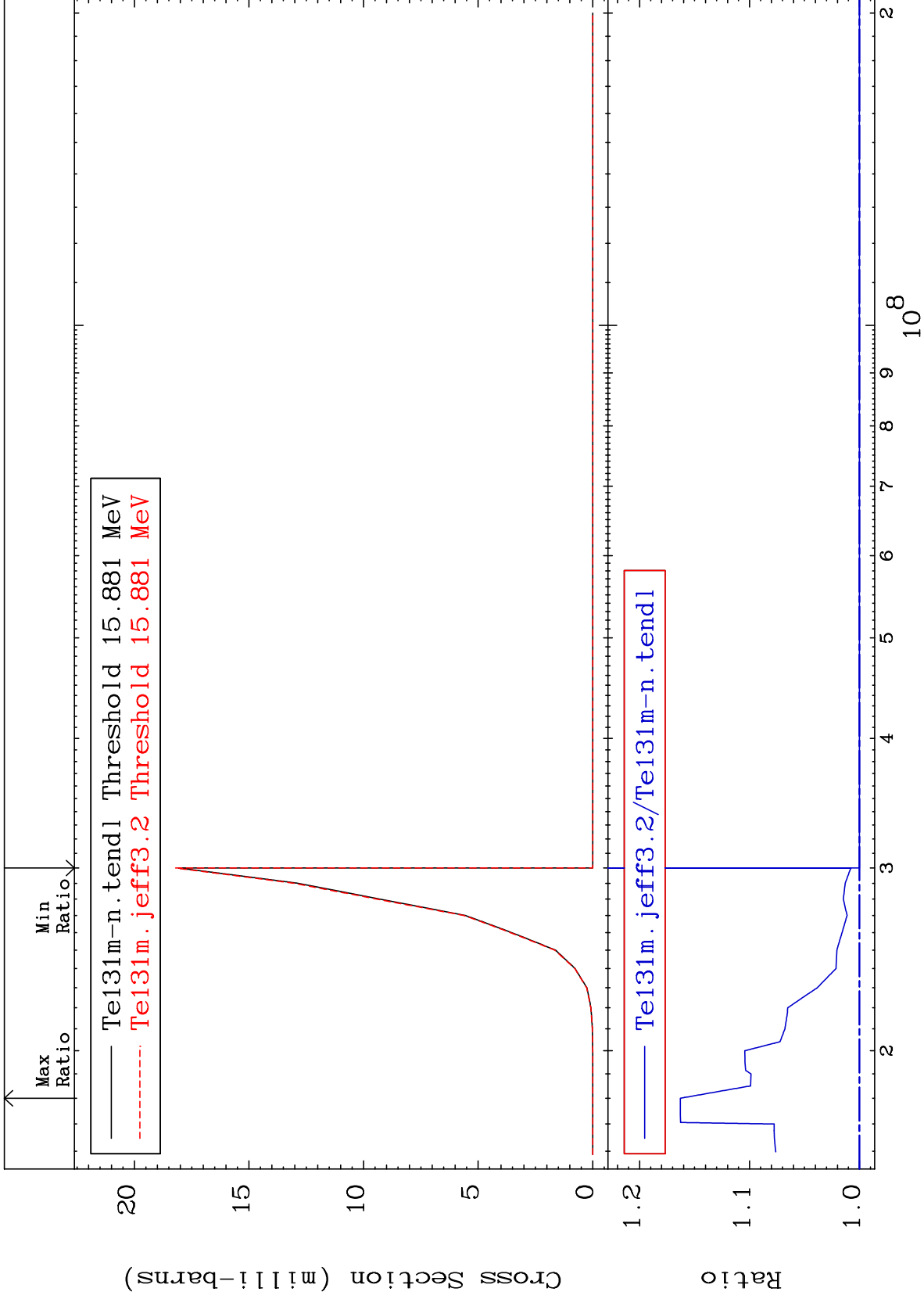
52-Te-131
-8.399 To 0.000 %



MAT 5259

(n,2n) p
Cross Section

52-Te-131
0.000 To 16.29 %



15

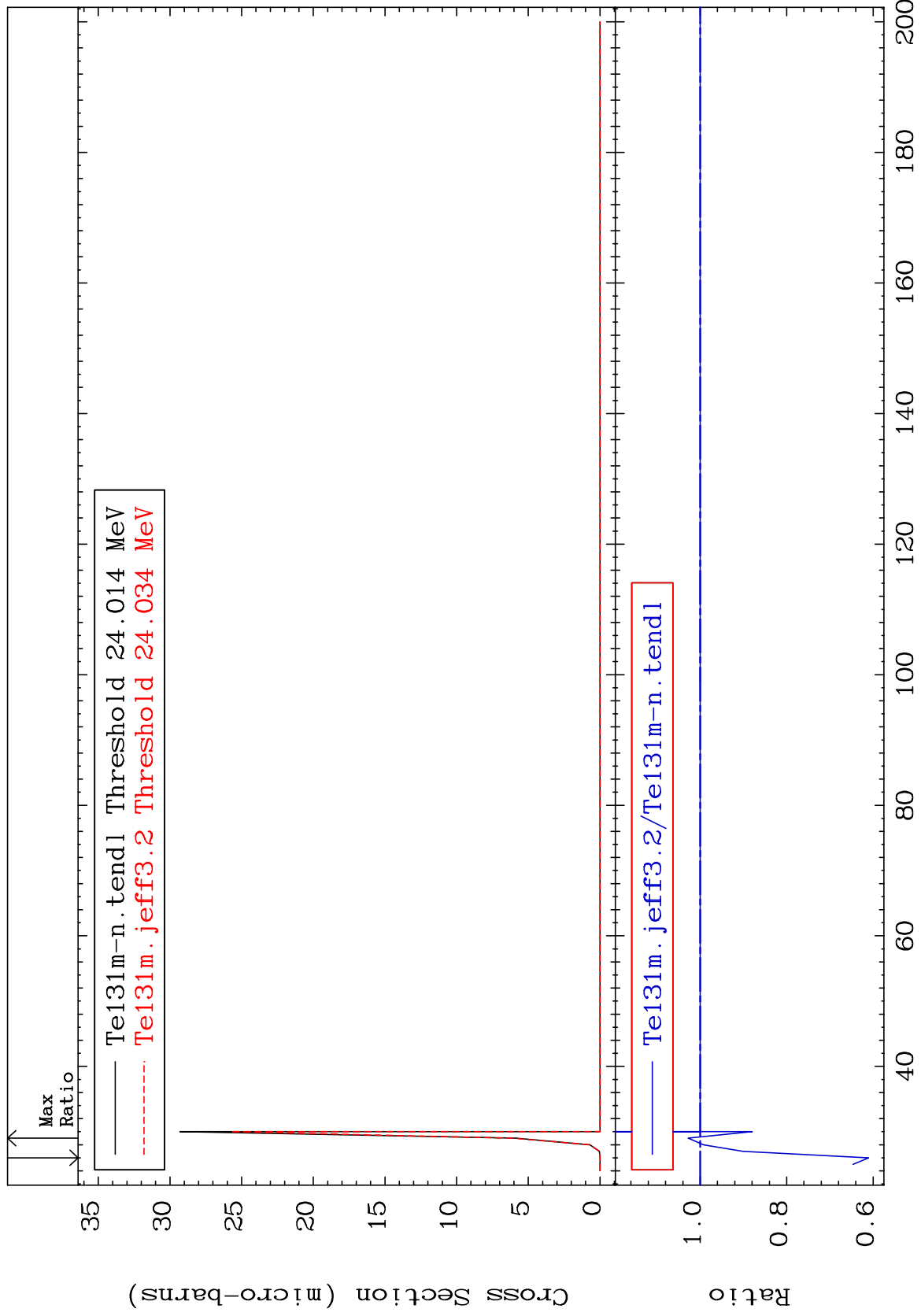
Incident Energy (eV)

52-Te-131

MAT 5259

(n,3n) p
Cross Section

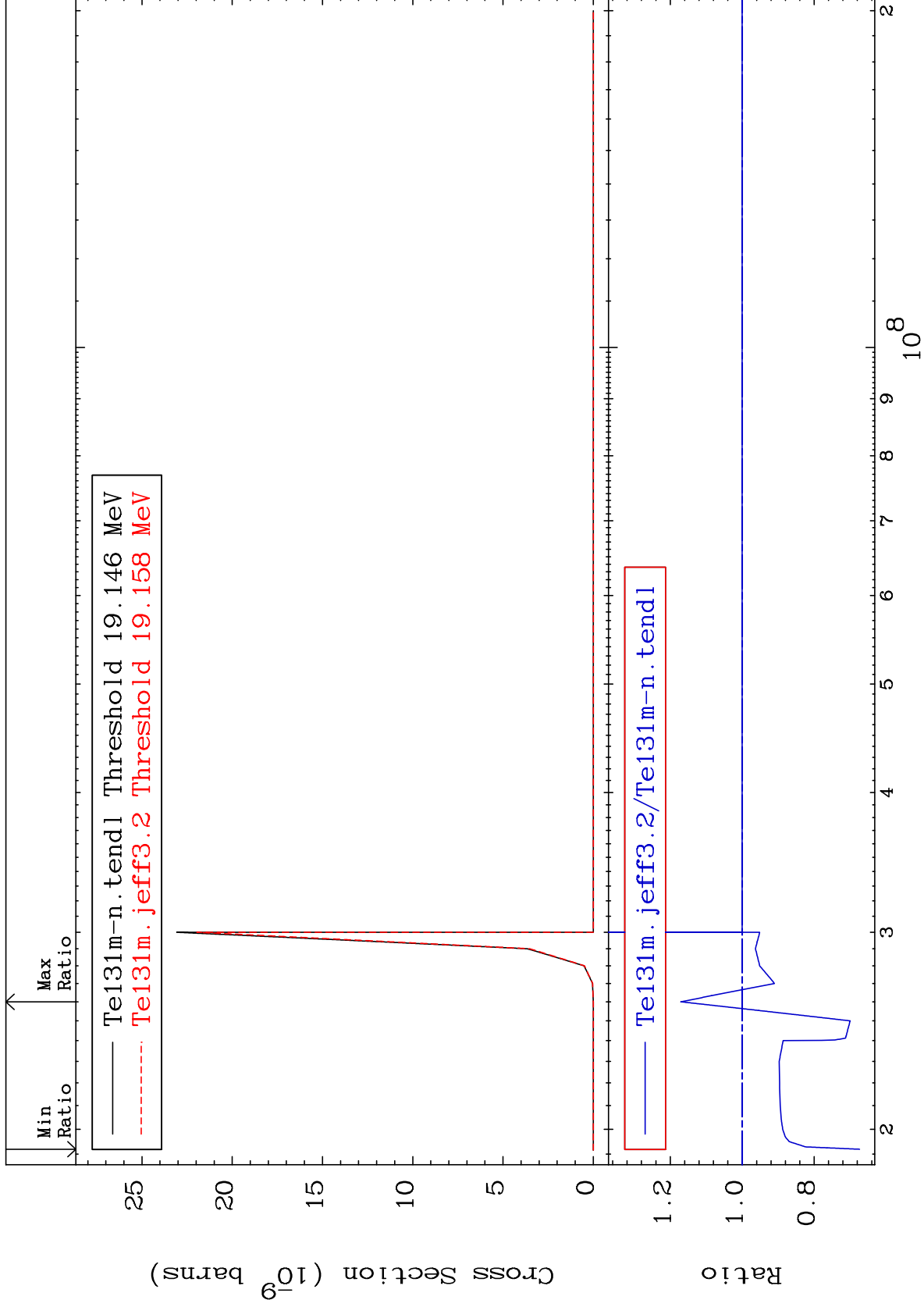
52-Te-131
-38.94 To 2.758 %



MAT 5259

(n,2n) p
Cross Section

52-Te-131
-32.61 To 17.08 %



17

Incident Energy (eV)

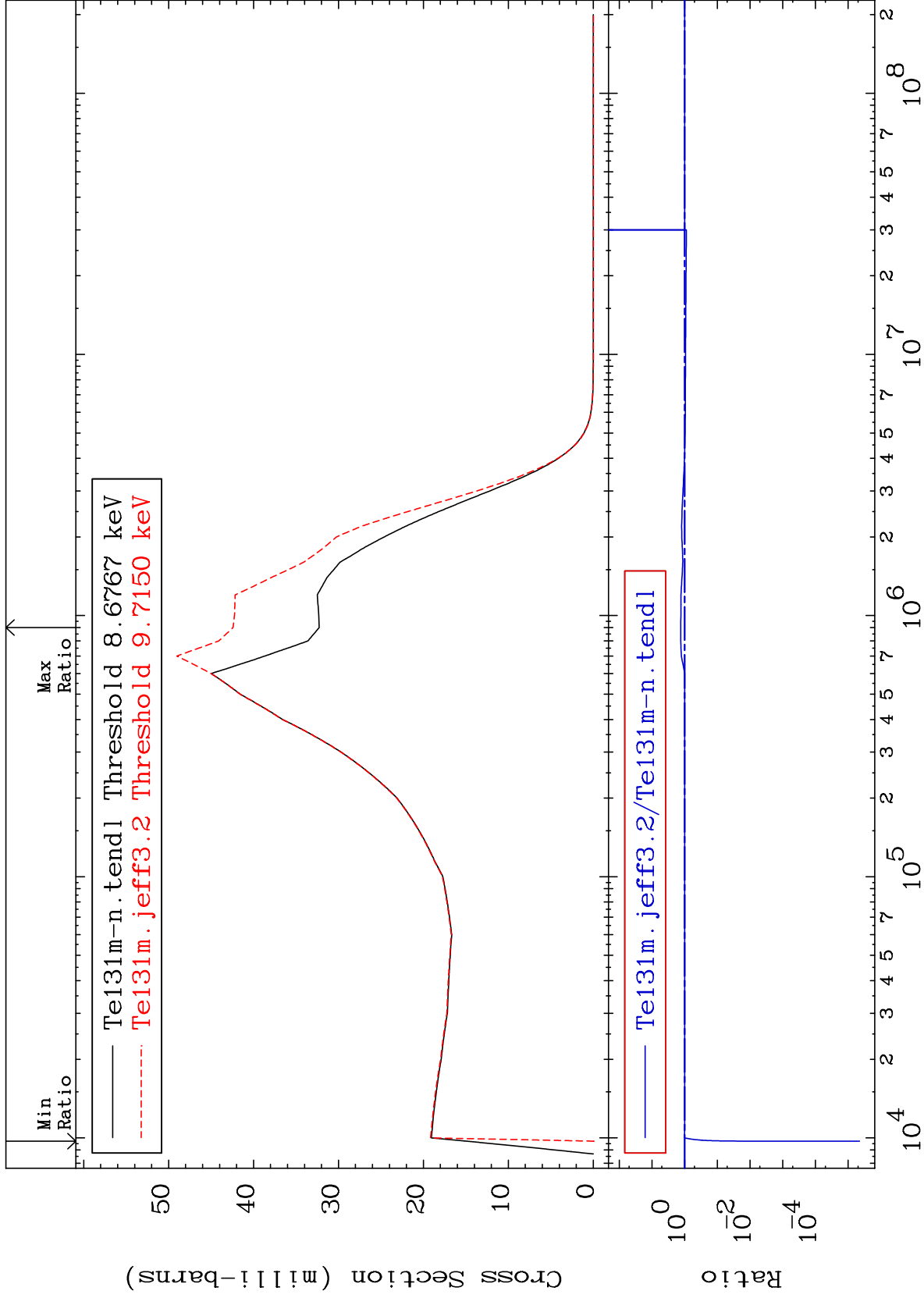
52-Te-131

MAT 5259

0.000 keV (n,n') Level

52-Te-131

-100.0 To 31.41 %



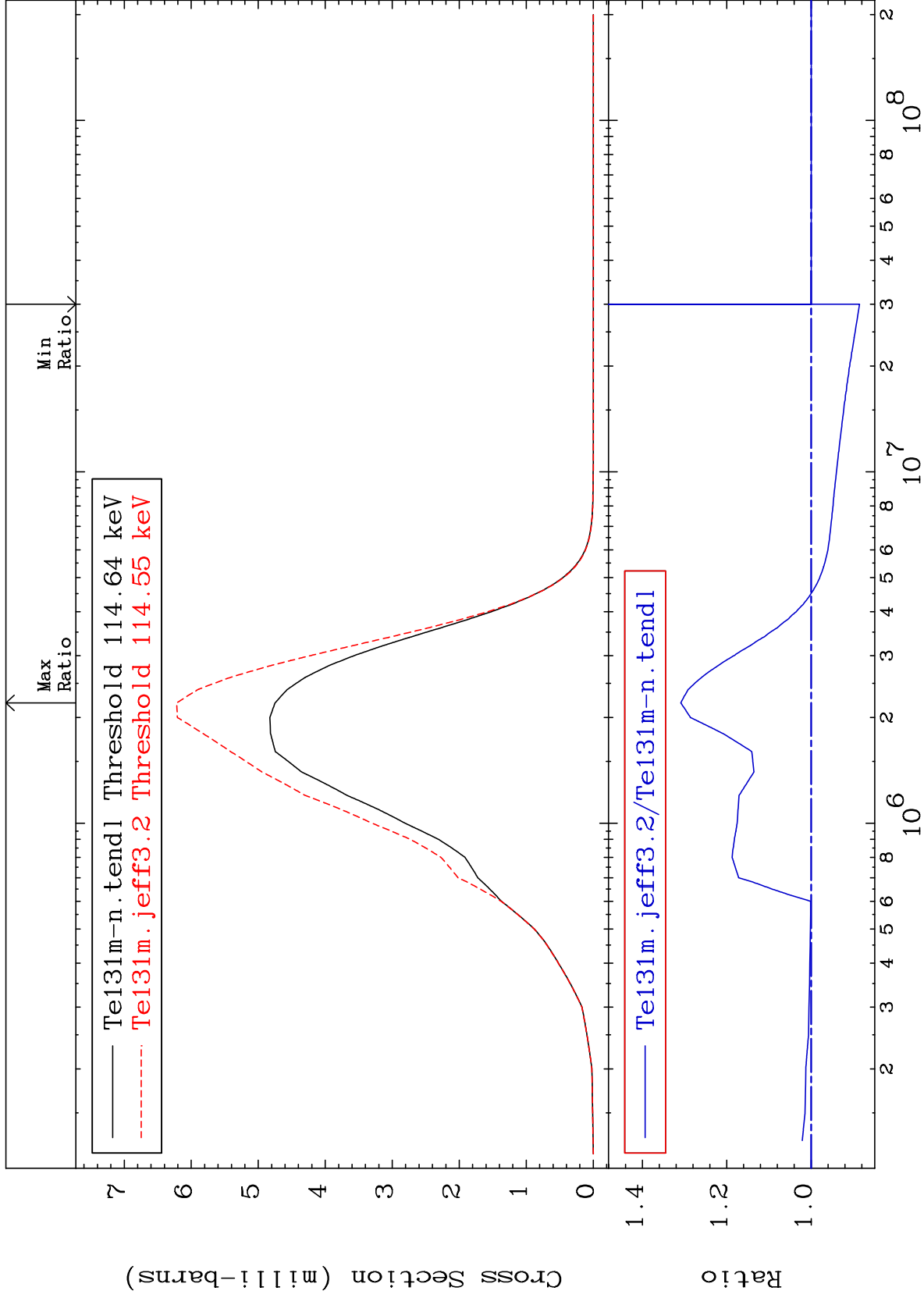
MAT 5259

296.0 keV (n,n') Level

52-Te-131

-11.47 To 30.90 %

Cross Section



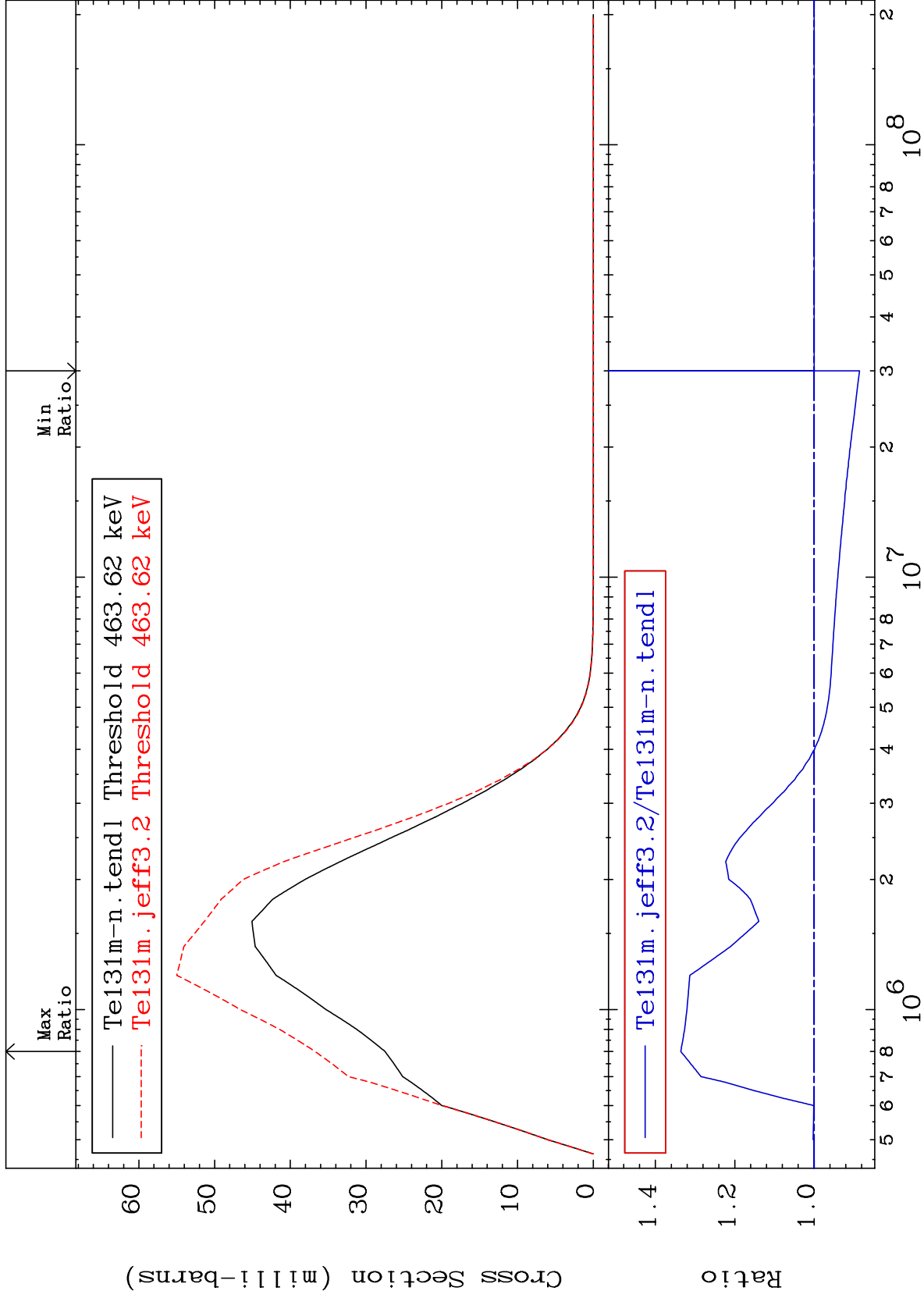
MAT 5259

642.3 keV (n,n') Level

52-Te-131

-11.46 To 33.61 %

Cross Section



20

Incident Energy (eV)

52-Te-131

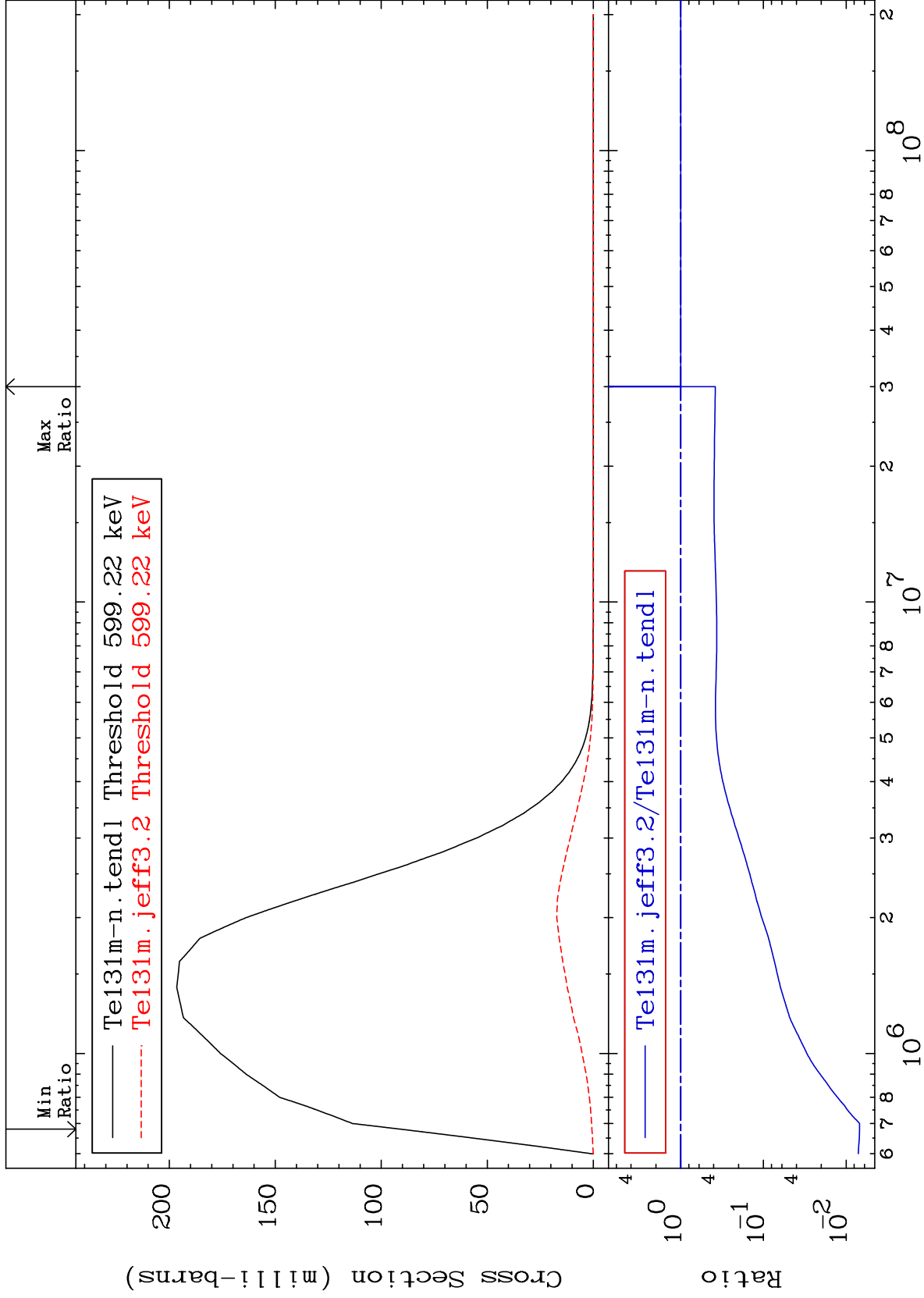
MAT 5259

776.9 keV (n,n') Level

52-Te-131

-99.31 To 0.000 %

Cross Section



21

Incident Energy (eV)

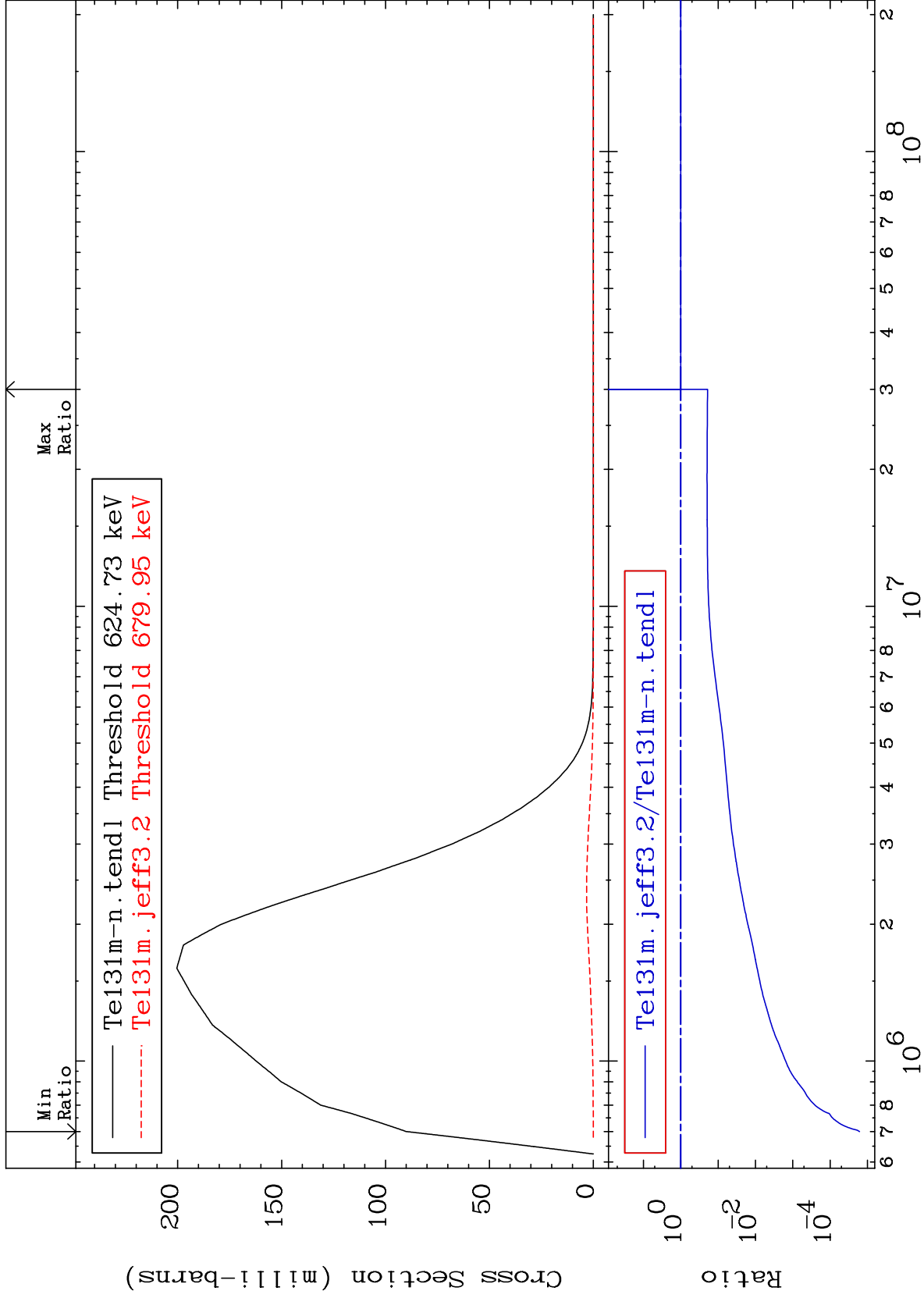
52-Te-131

MAT 5259

802.2 keV (n,n') Level

52-Te-131

Cross Section
-100.0 To 0.000 %

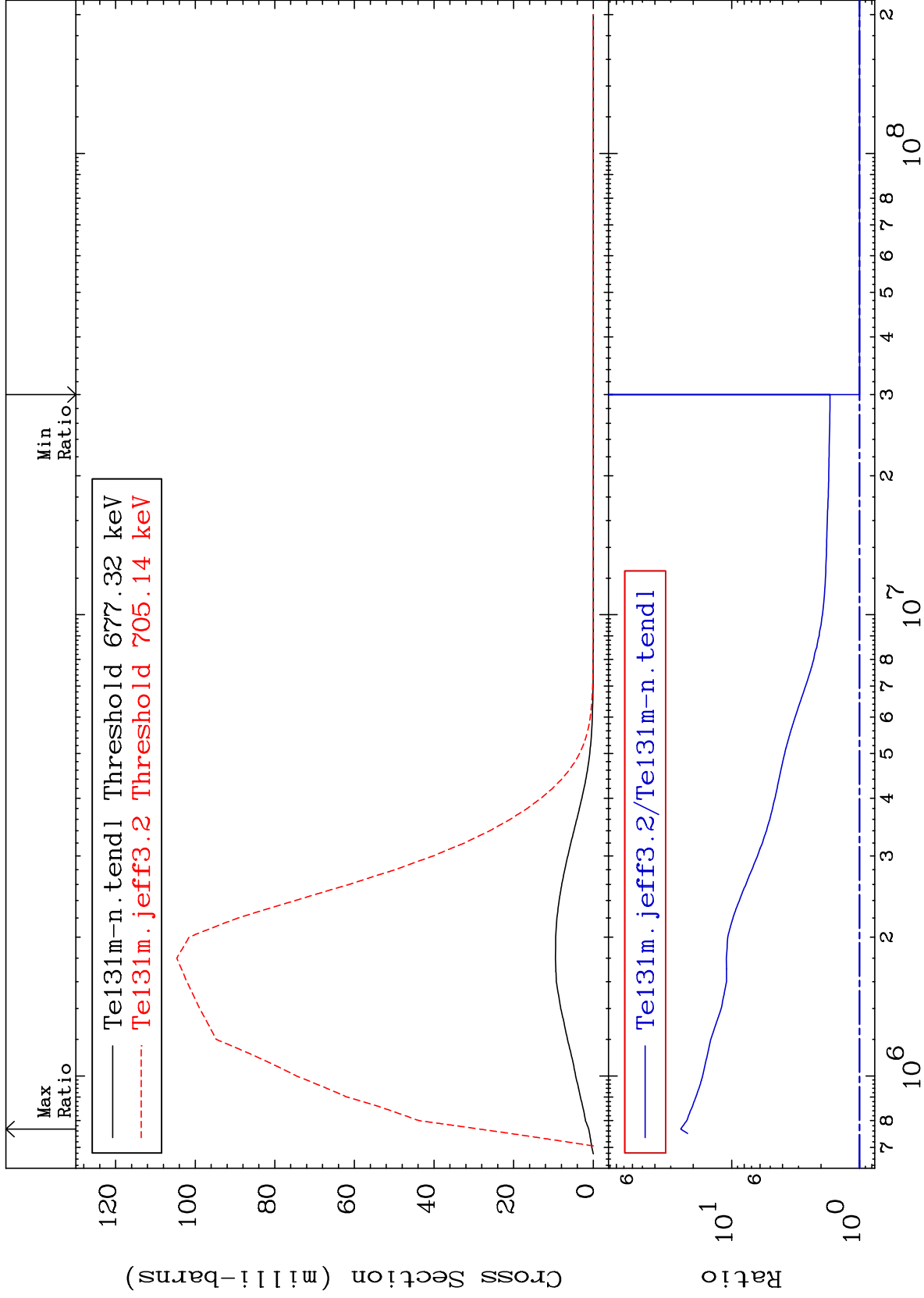


MAT 5259

854.4 keV (n,n') Level

52-Te-131

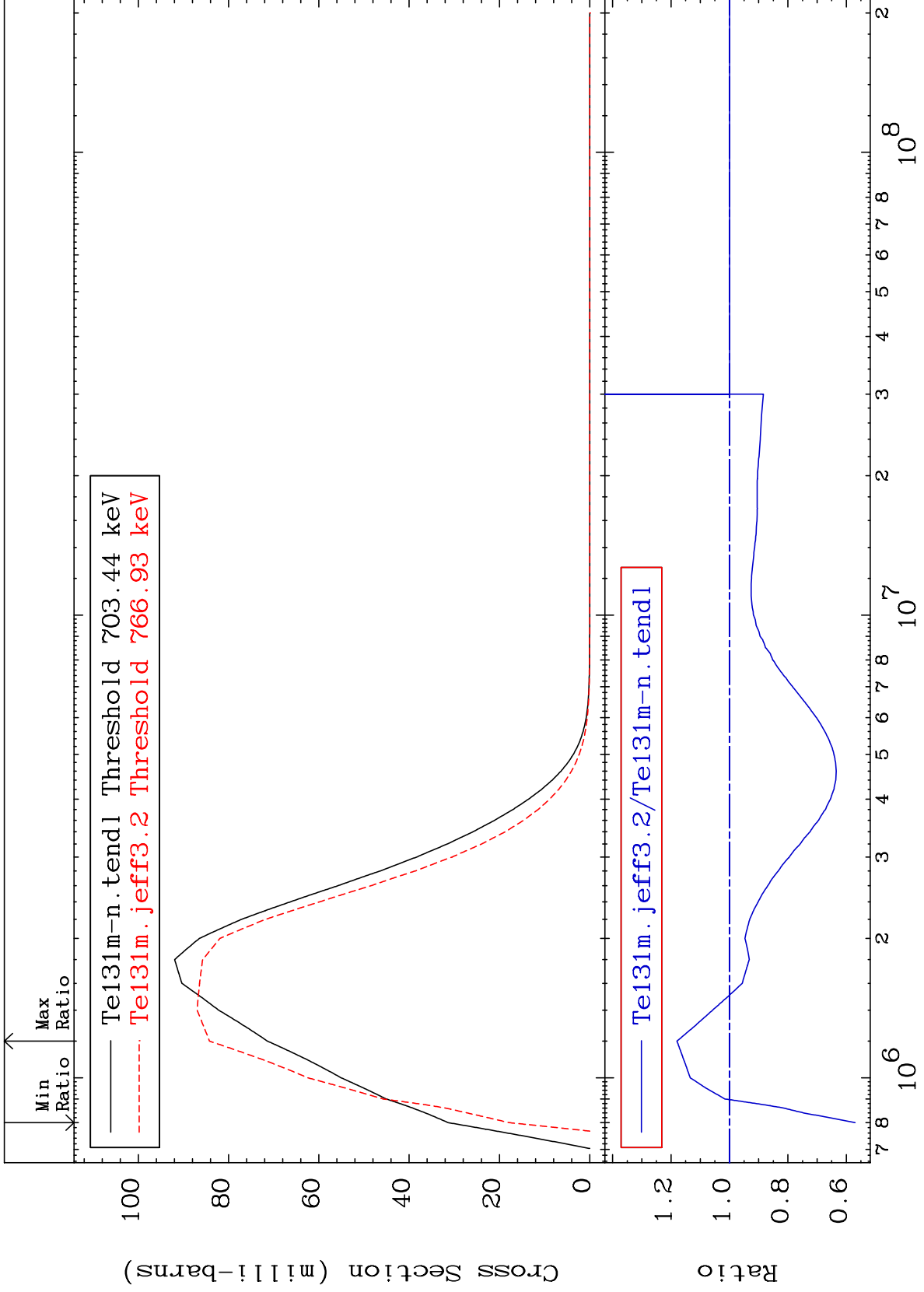
Cross Section
0.000 To 2408. %



MAT 5259

880.3 keV (n,n') Level
Cross Section

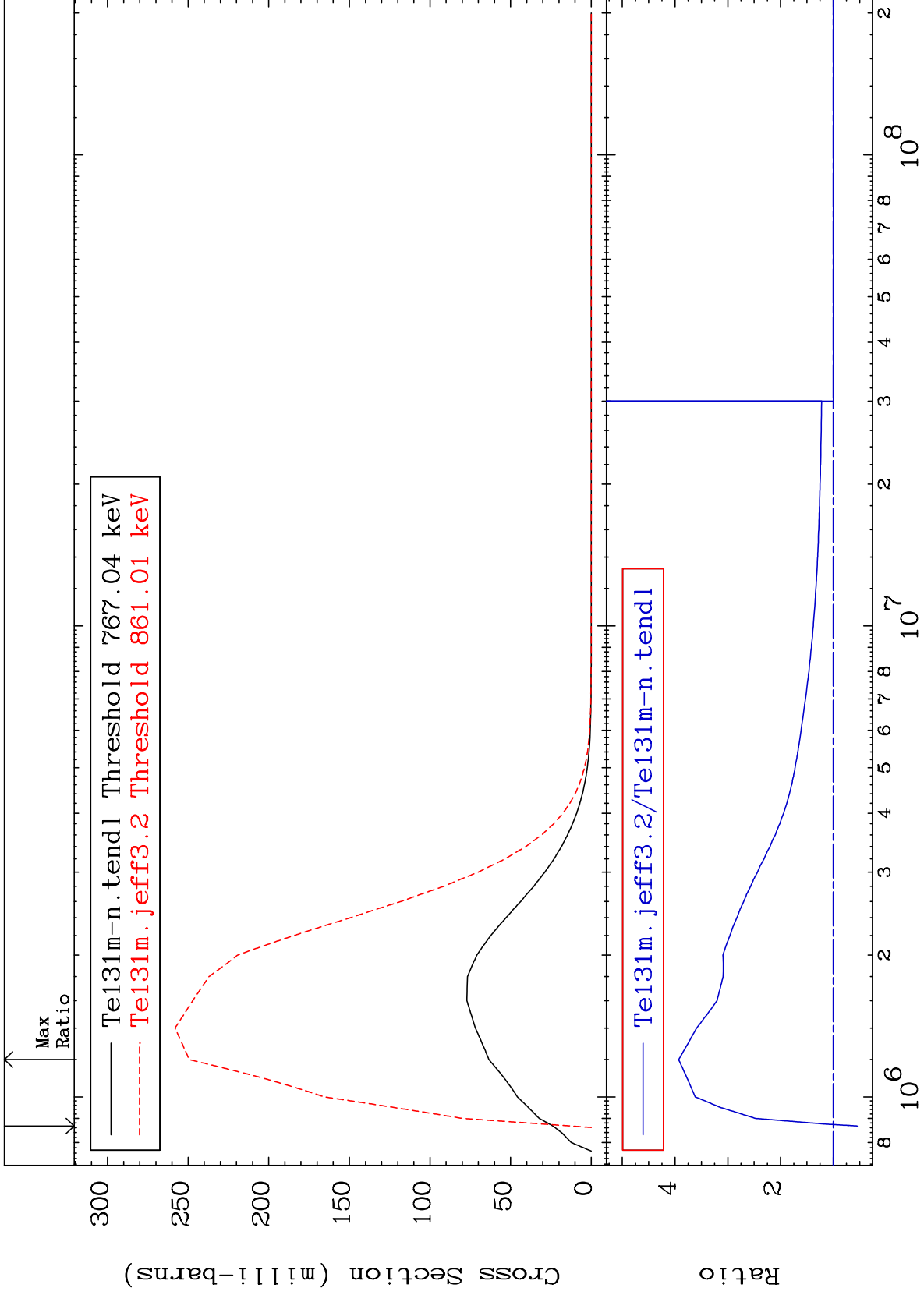
52-Te-131
-42.99 To 17.99 %



MAT 5259

943.4 keV (n,n') Level
Cross Section

52-Te-131
-45.46 To 293.2 %



25

Incident Energy (eV)

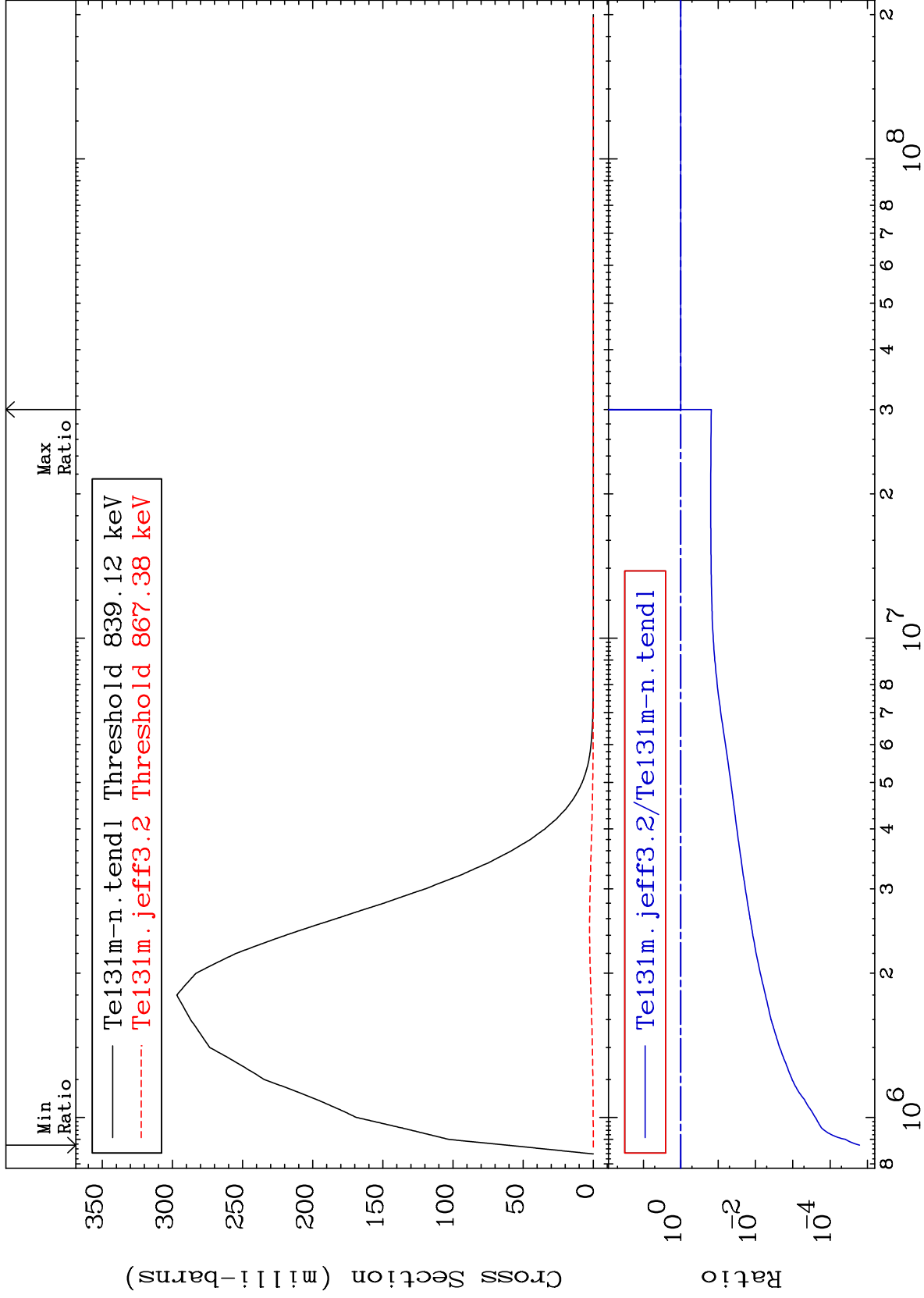
52-Te-131

MAT 5259

1.015 MeV (n,n') Level

52-Te-131

-100.0 To 0.000 %



26

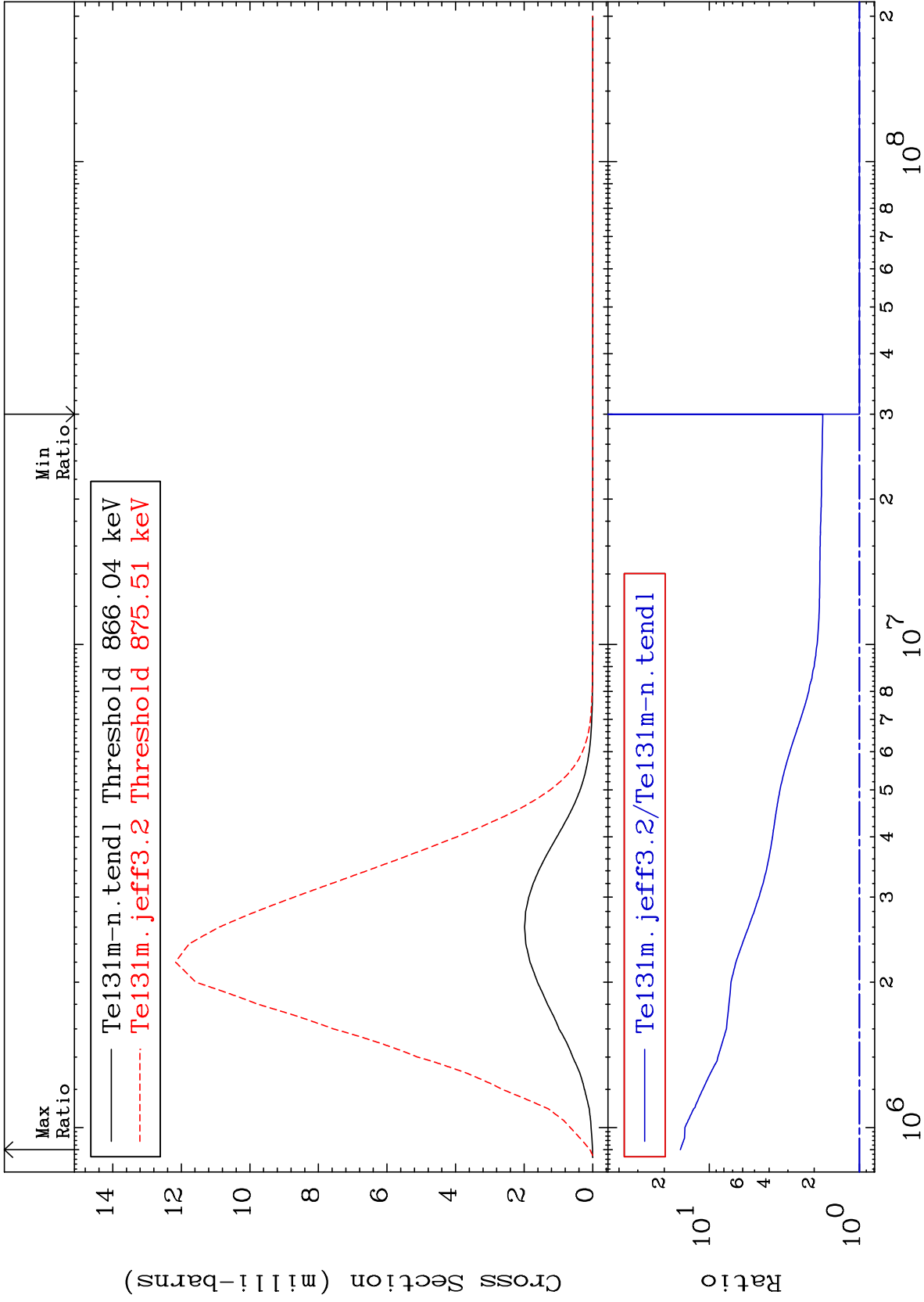
Incident Energy (eV)

52-Te-131

MAT 5259

1.042 MeV (n,n') Level
Cross Section

52-Te-131
0.000 To 1460. %



27

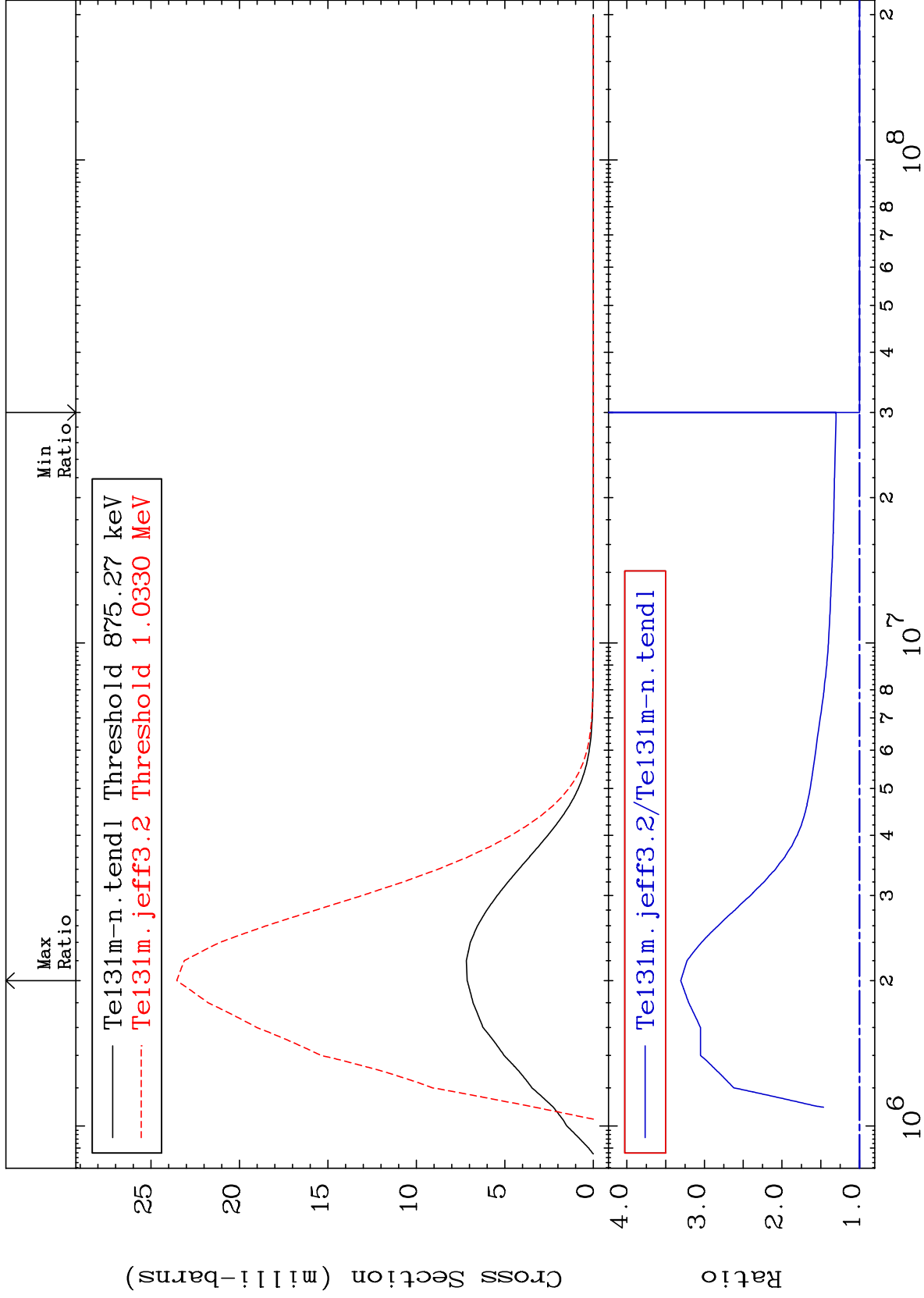
Incident Energy (eV)

52-Te-131

MAT 5259

1.051 MeV (n,n') Level
Cross Section

52-Te-131
To 230.5 %



28

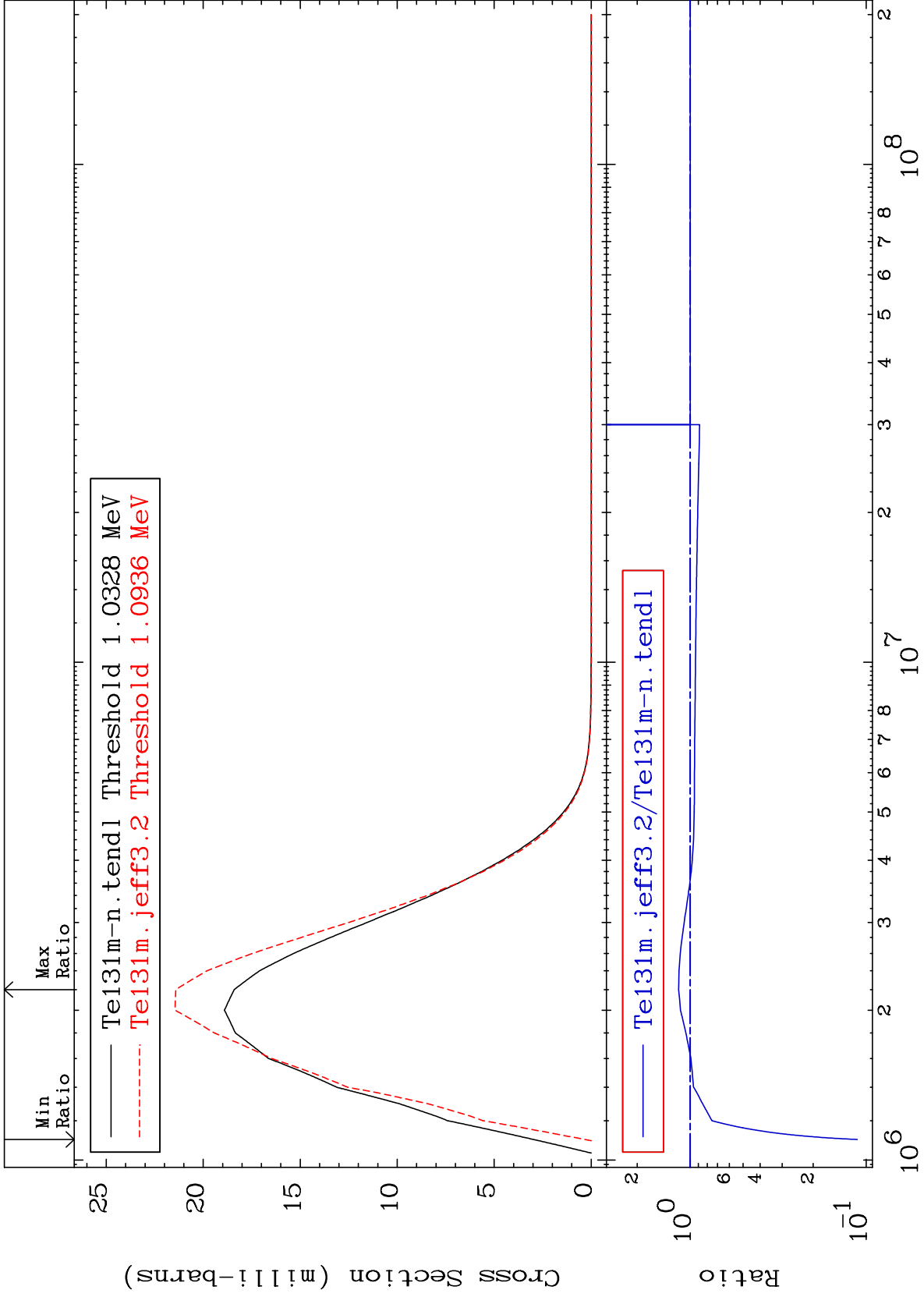
Incident Energy (eV)

52-Te-131

MAT 5259

1.207 MeV (n,n') Level
Cross Section

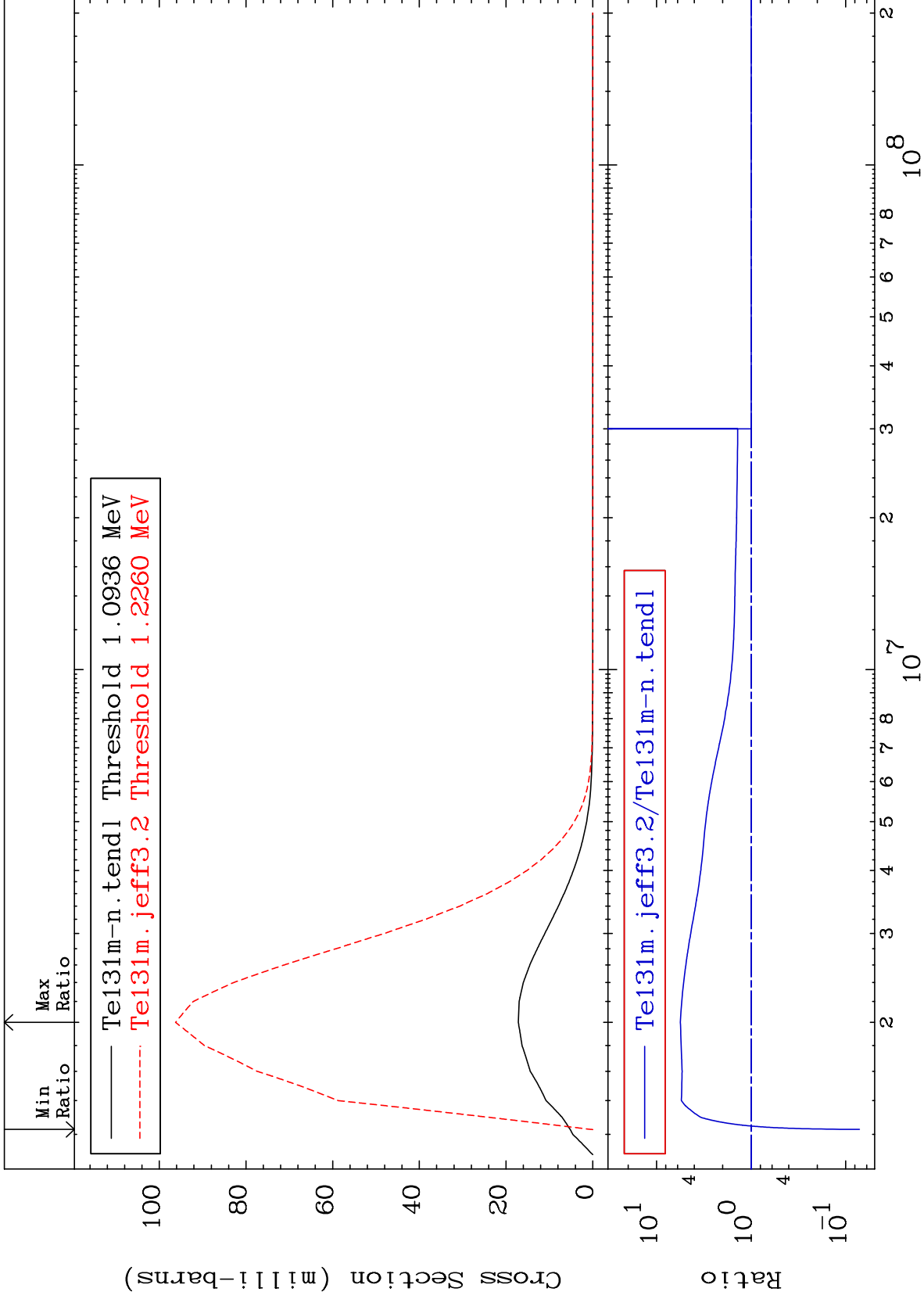
52-Te-131
-88.77 To 16.37 %



MAT 5259

1.267 MeV (n,n') Level
Cross Section

52-Te-131
-92.85 To 461.0 %

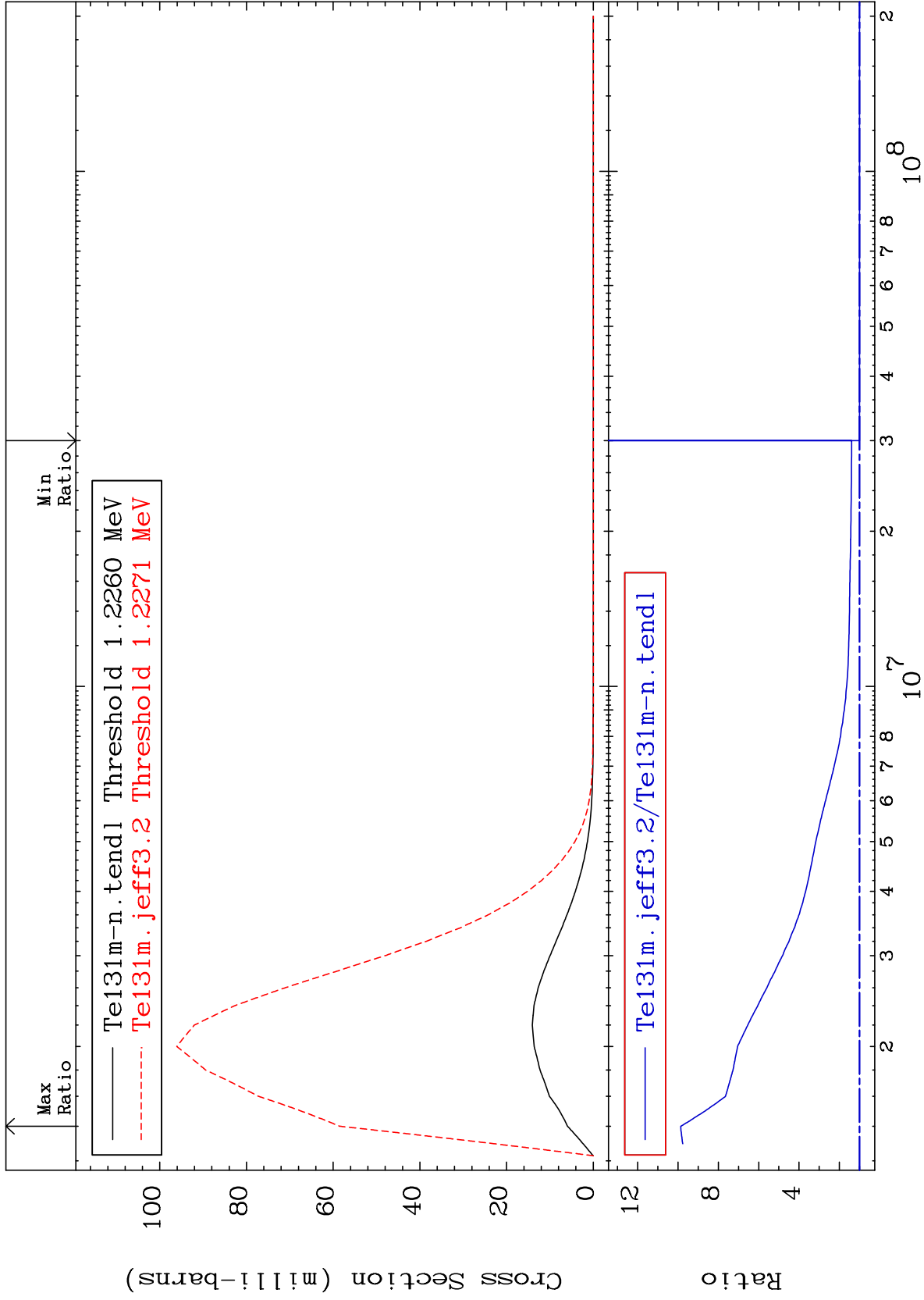


30

Incident Energy (eV)

52-Te-131

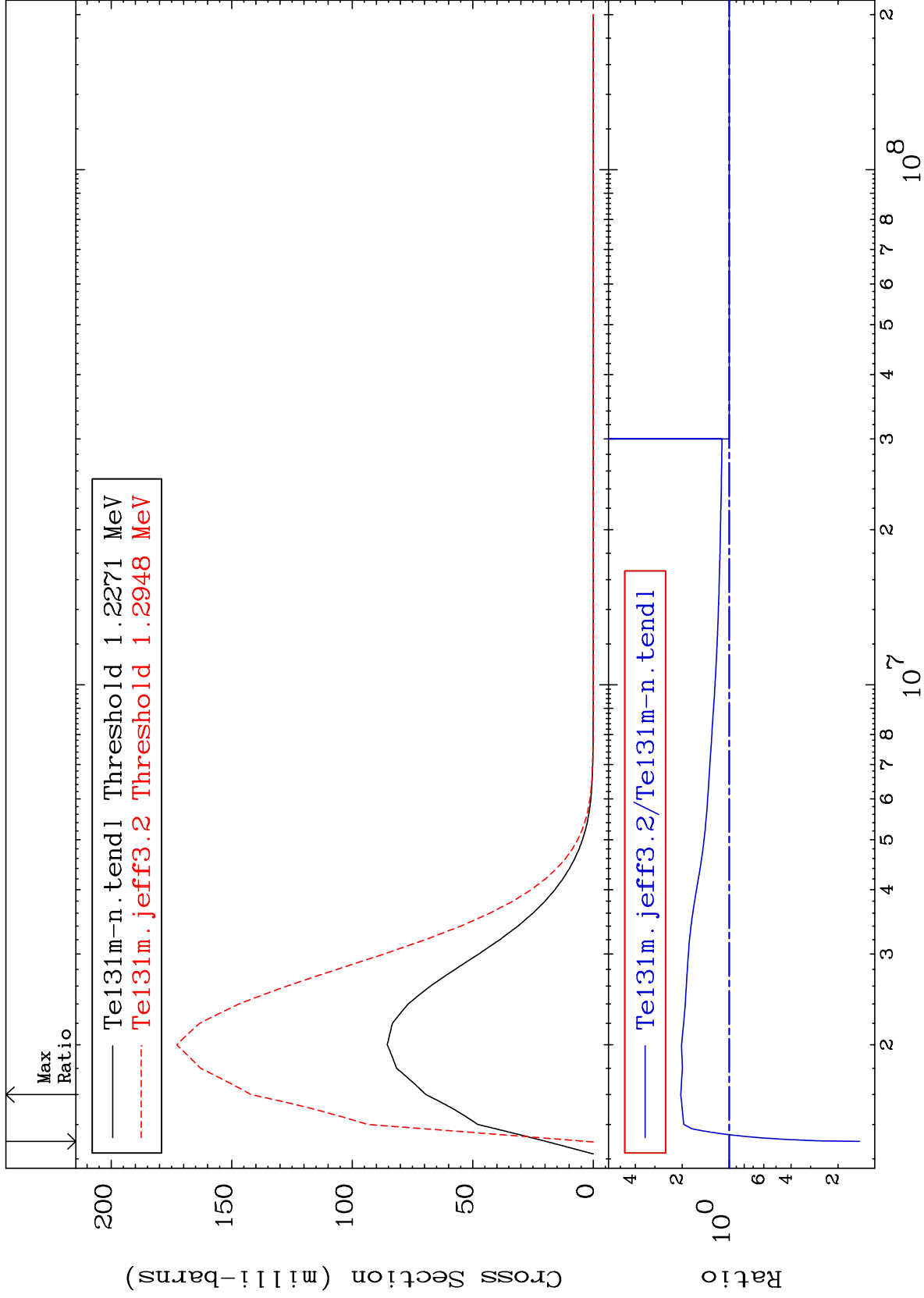
MAT 5259 1.399 MeV (n,n') Level 52-Te-131
 Cross Section 0.000 To 886.4 %



MAT 5259

1.400 MeV (n,n') Level
Cross Section

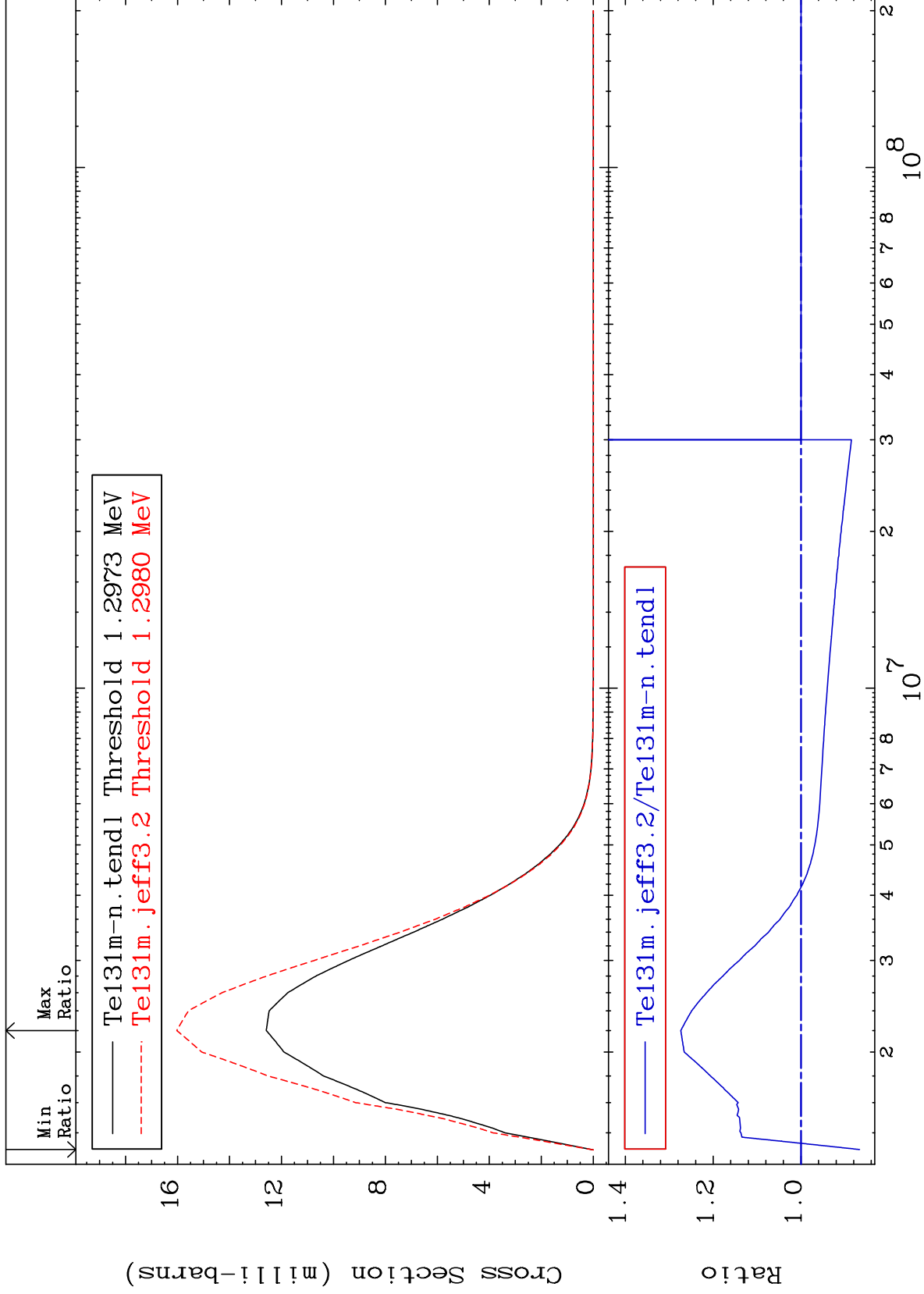
52-Te-131
-85.45 To 104.4 %



MAT 5259

1.470 MeV (n,n') Level
Cross Section

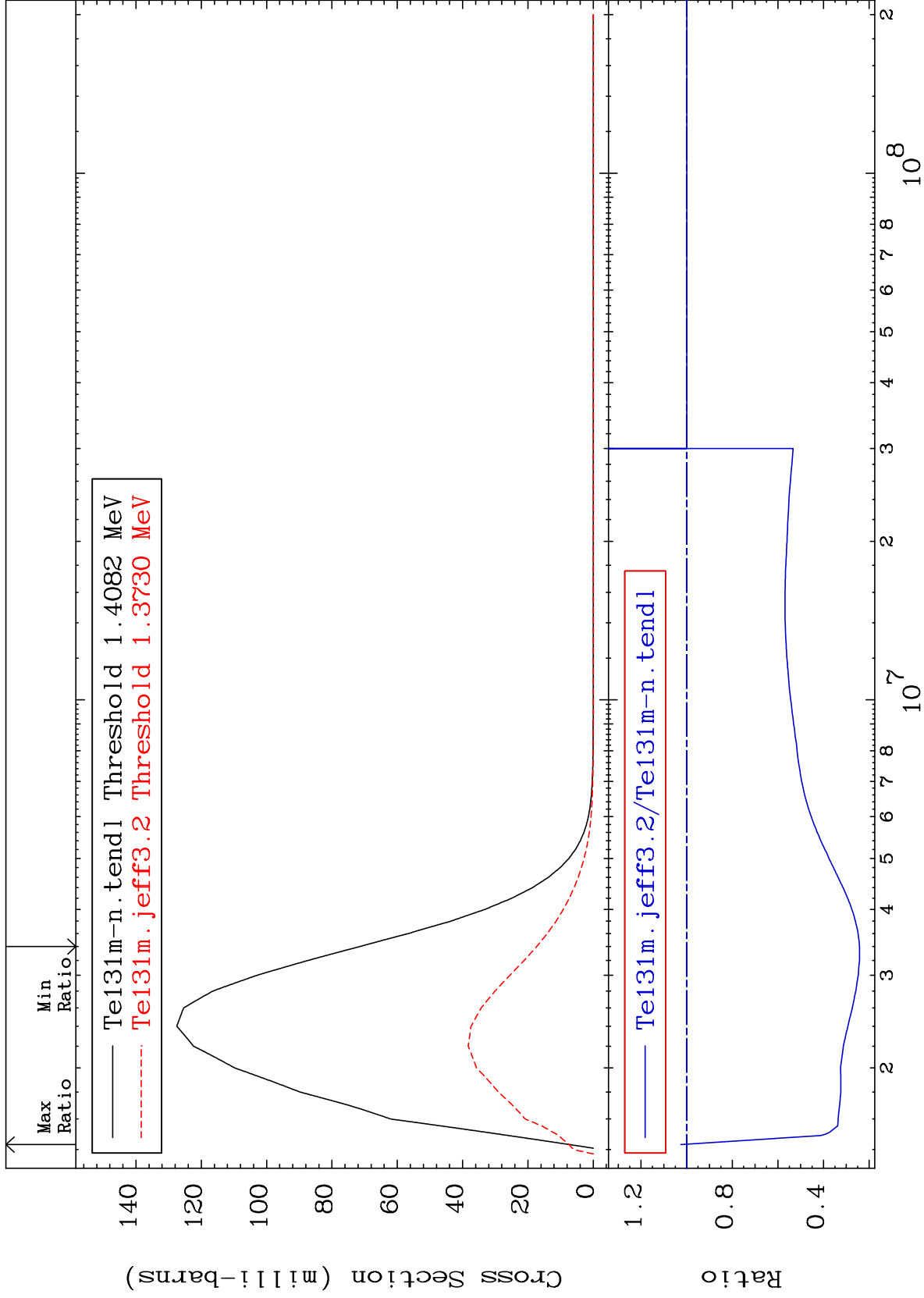
52-Te-131
-13.33 To 27.38 %



MAT 5259

1.580 MeV (n,n') Level
Cross Section

52-Te-131
-75.80 To 2.590 %

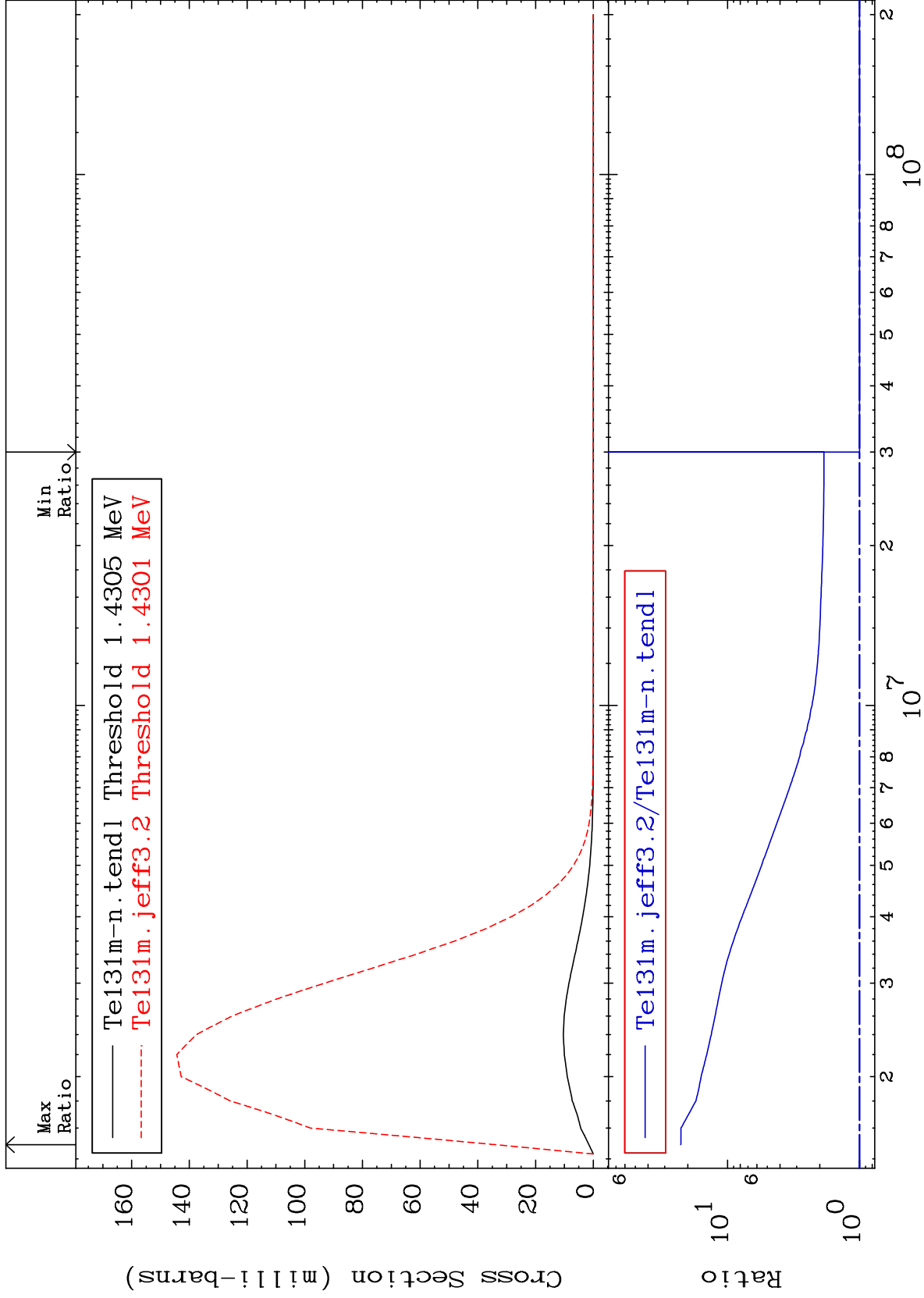


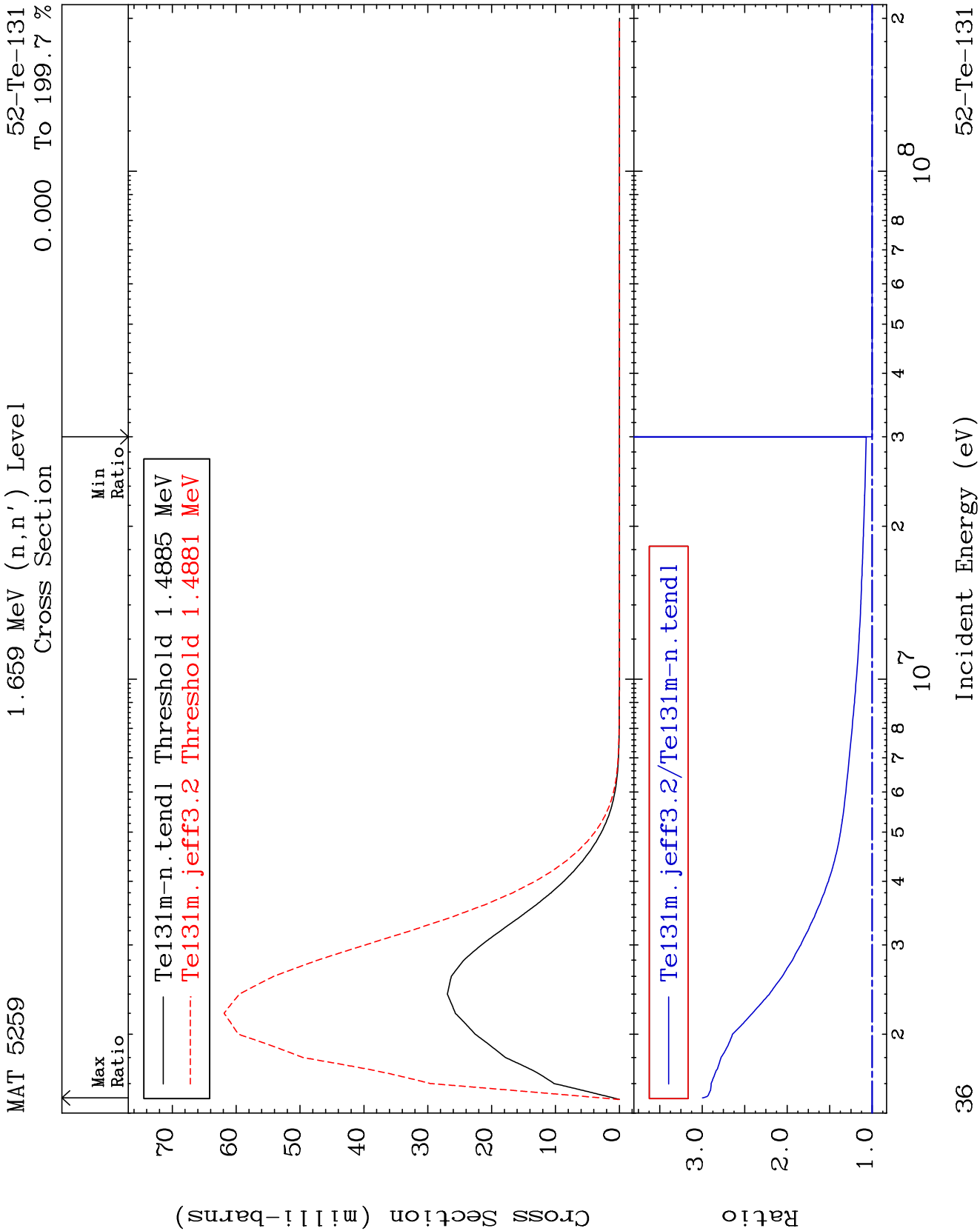
MAT 5259

1.602 MeV (n,n') Level

52-Te-131

Cross Section
0.000 To 2163. %

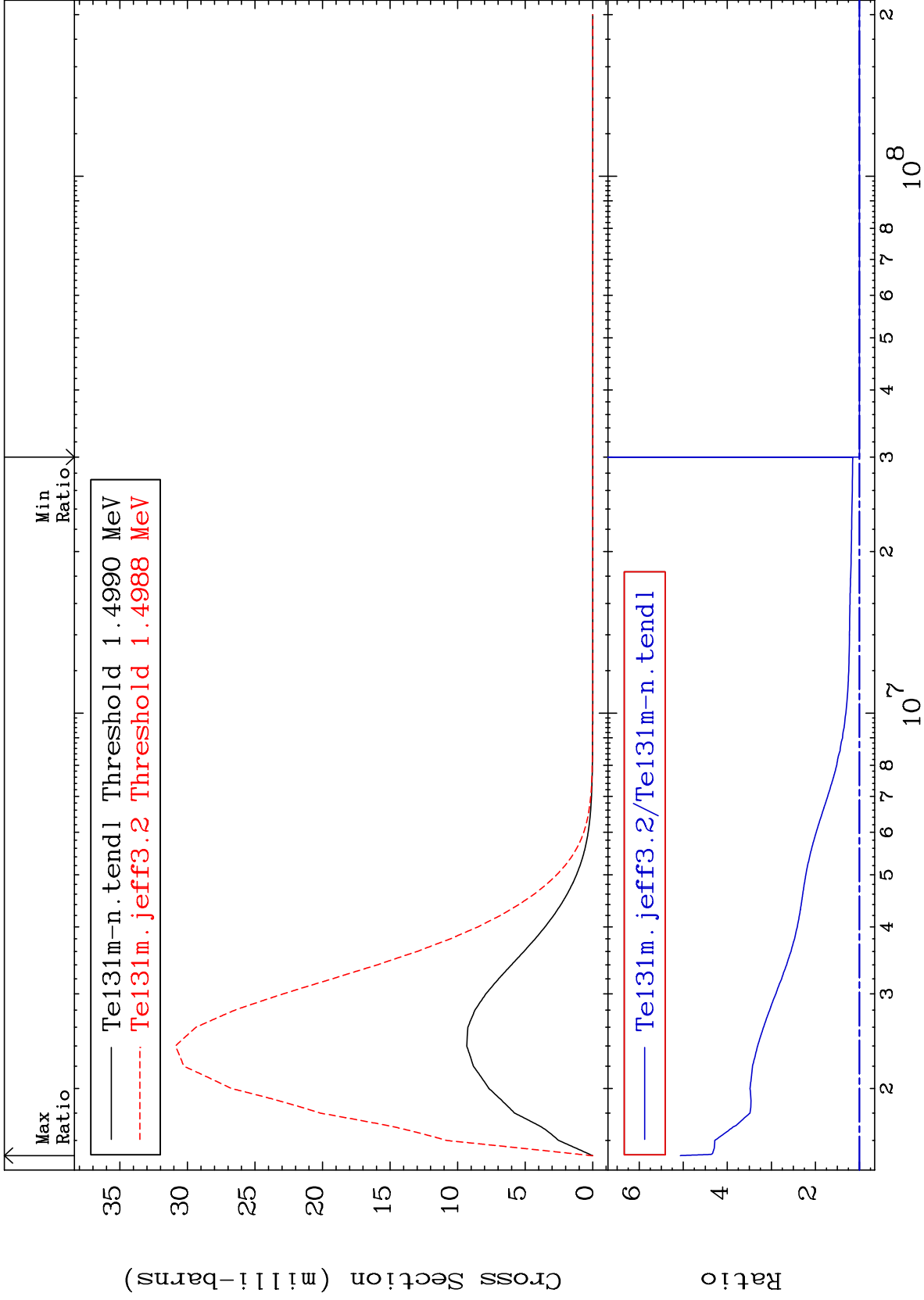




MAT 5259

1.670 MeV (n,n') Level
Cross Section

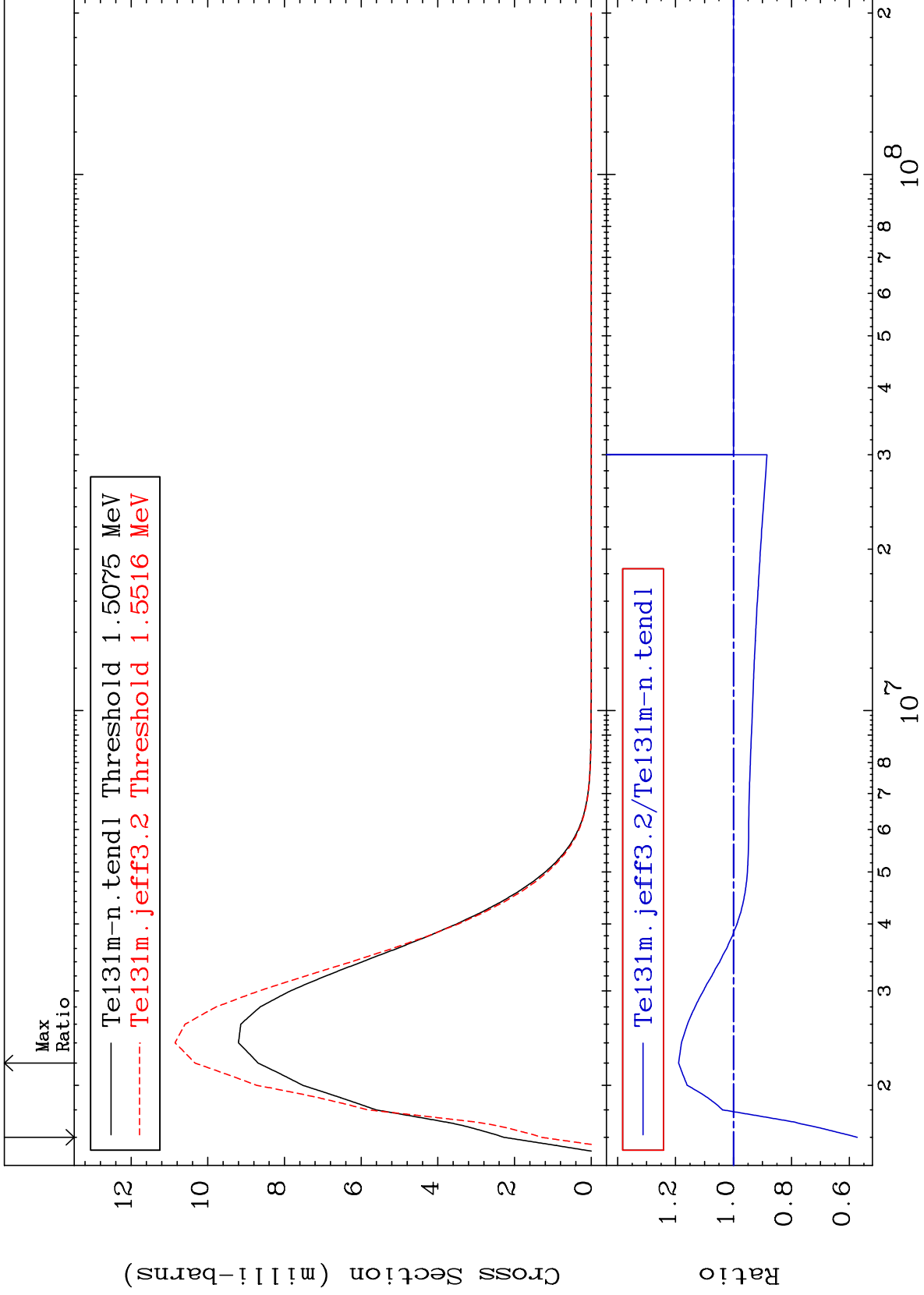
52-Te-131
To 406.6 %



MAT 5259

1.678 MeV (n,n') Level
Cross Section

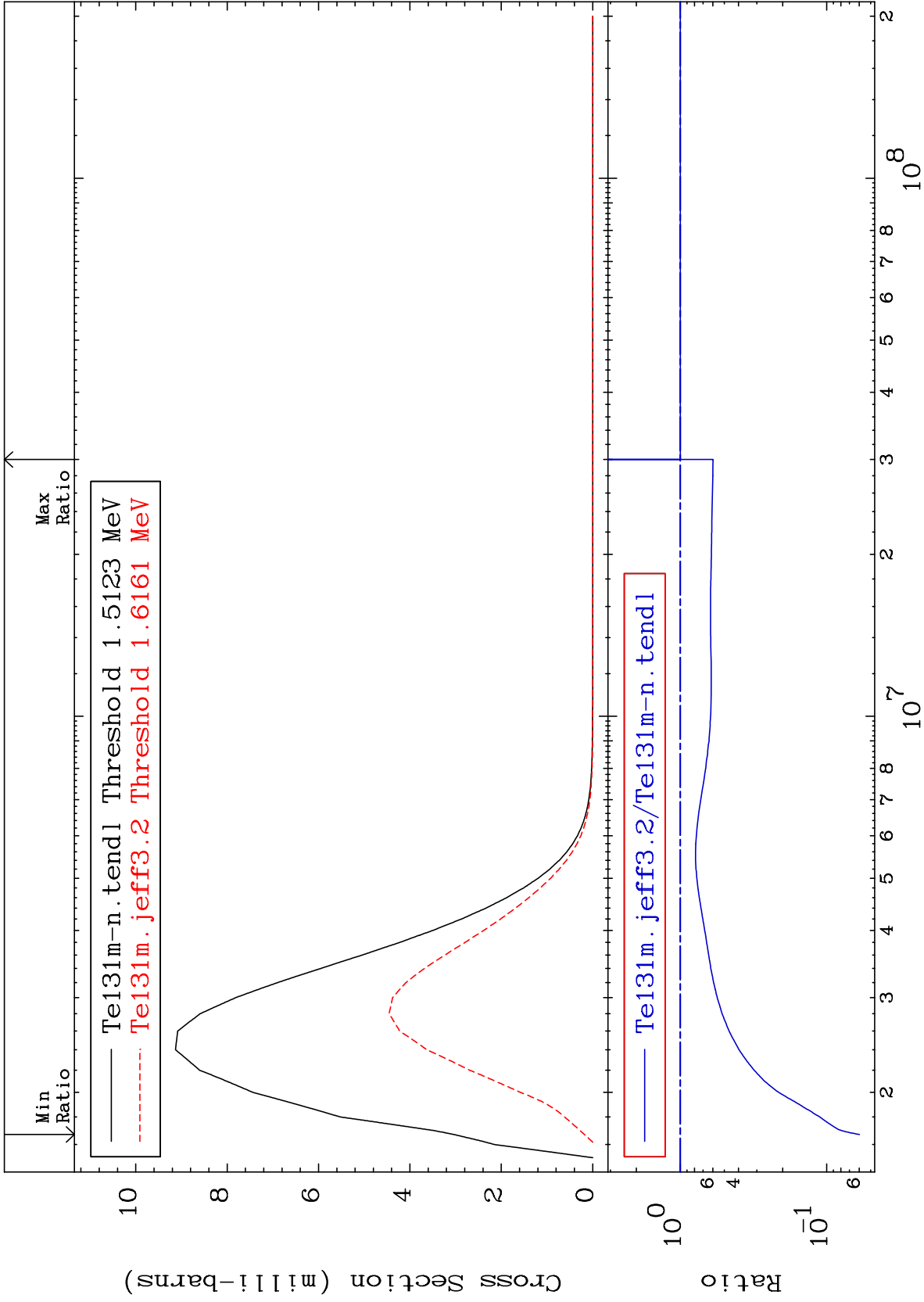
52-Te-131
-42.71 To 18.94 %



MAT 5259

1.683 MeV (n,n') Level
Cross Section

52-Te-131
-94.03 To 0.000 %

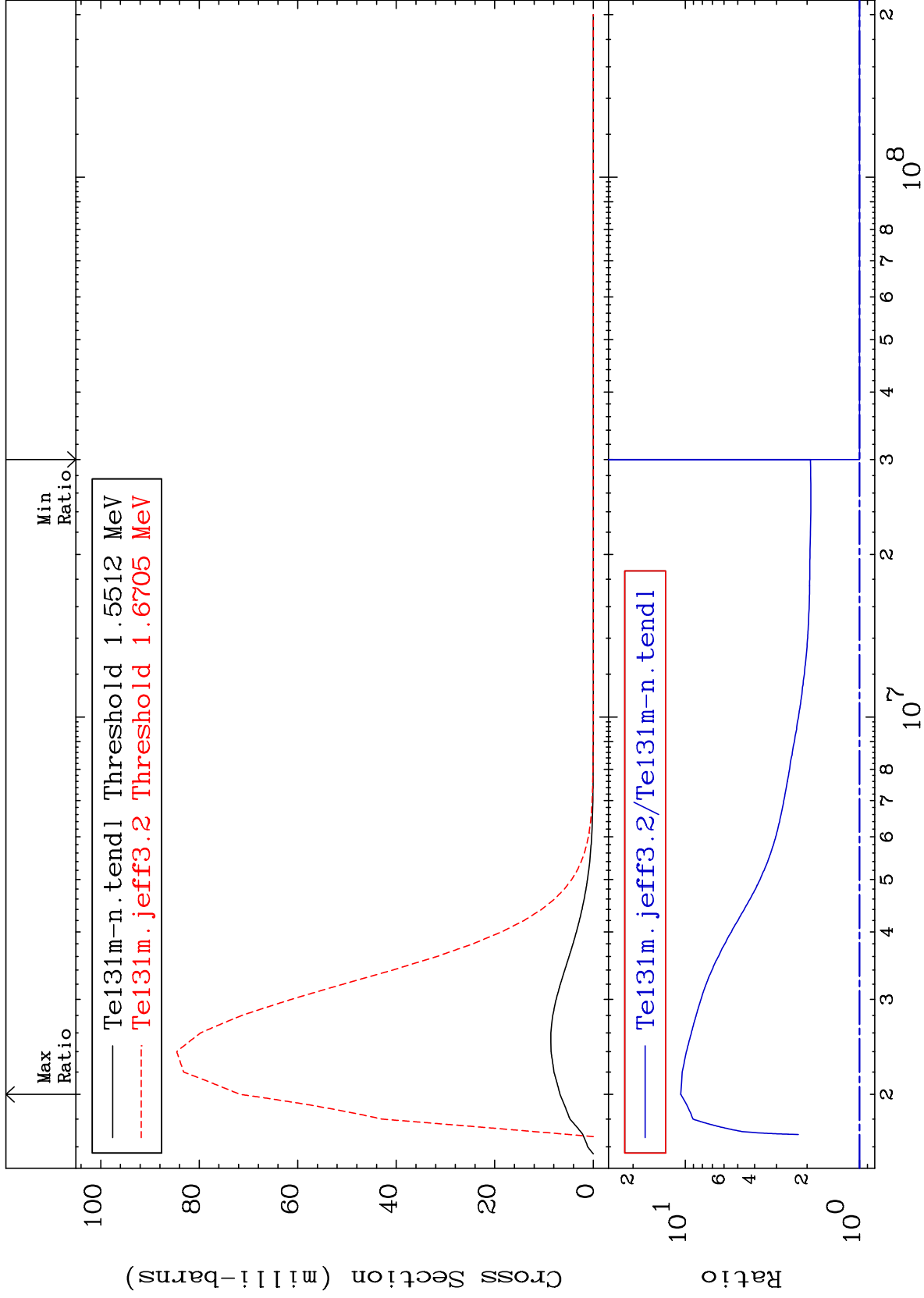


MAT 5259

1.722 MeV (n,n') Level

52-Te-131

Cross Section
0.000 To 963.1 %



40

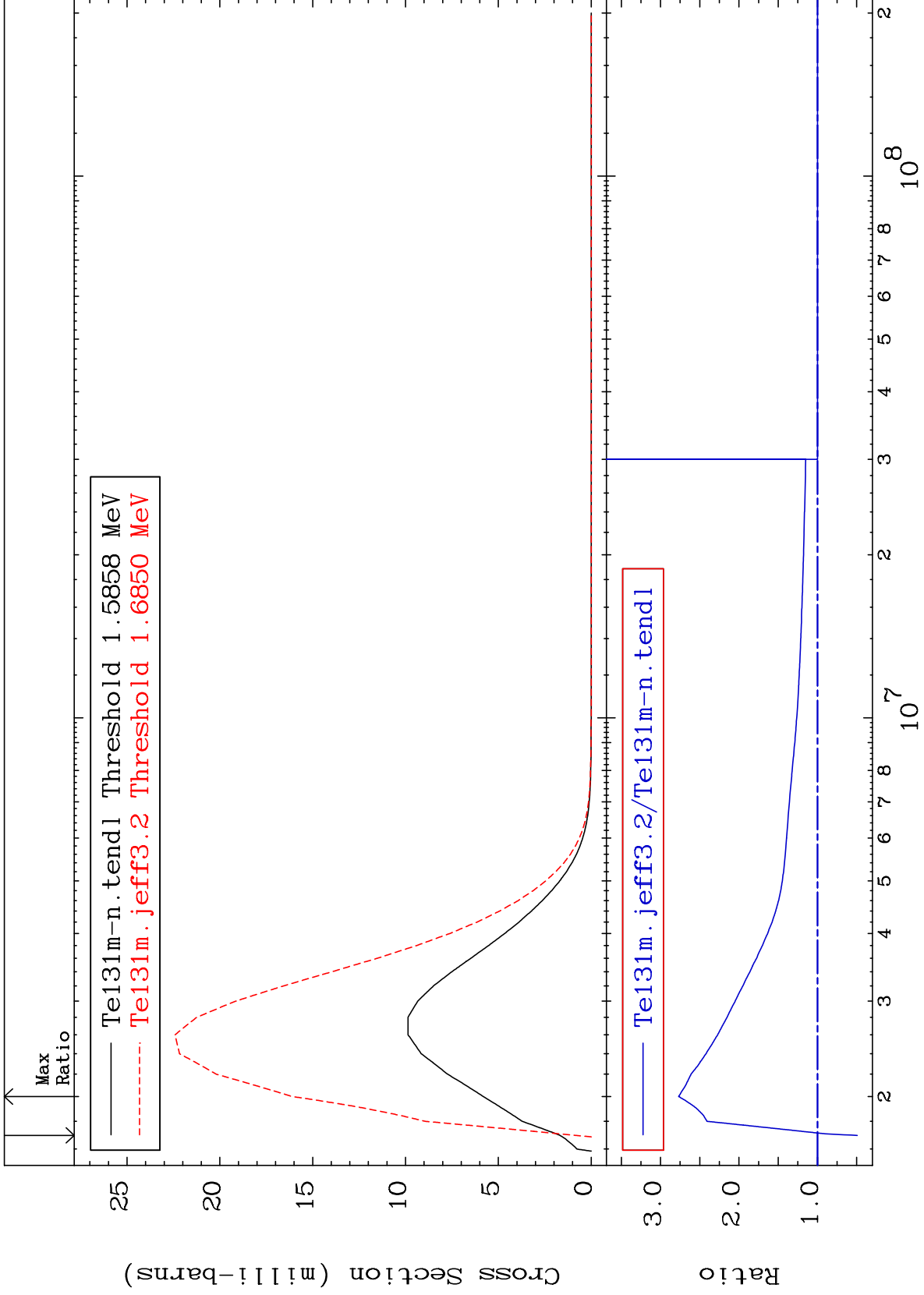
Incident Energy (eV)

52-Te-131

MAT 5259

1.756 MeV (n,n') Level
Cross Section

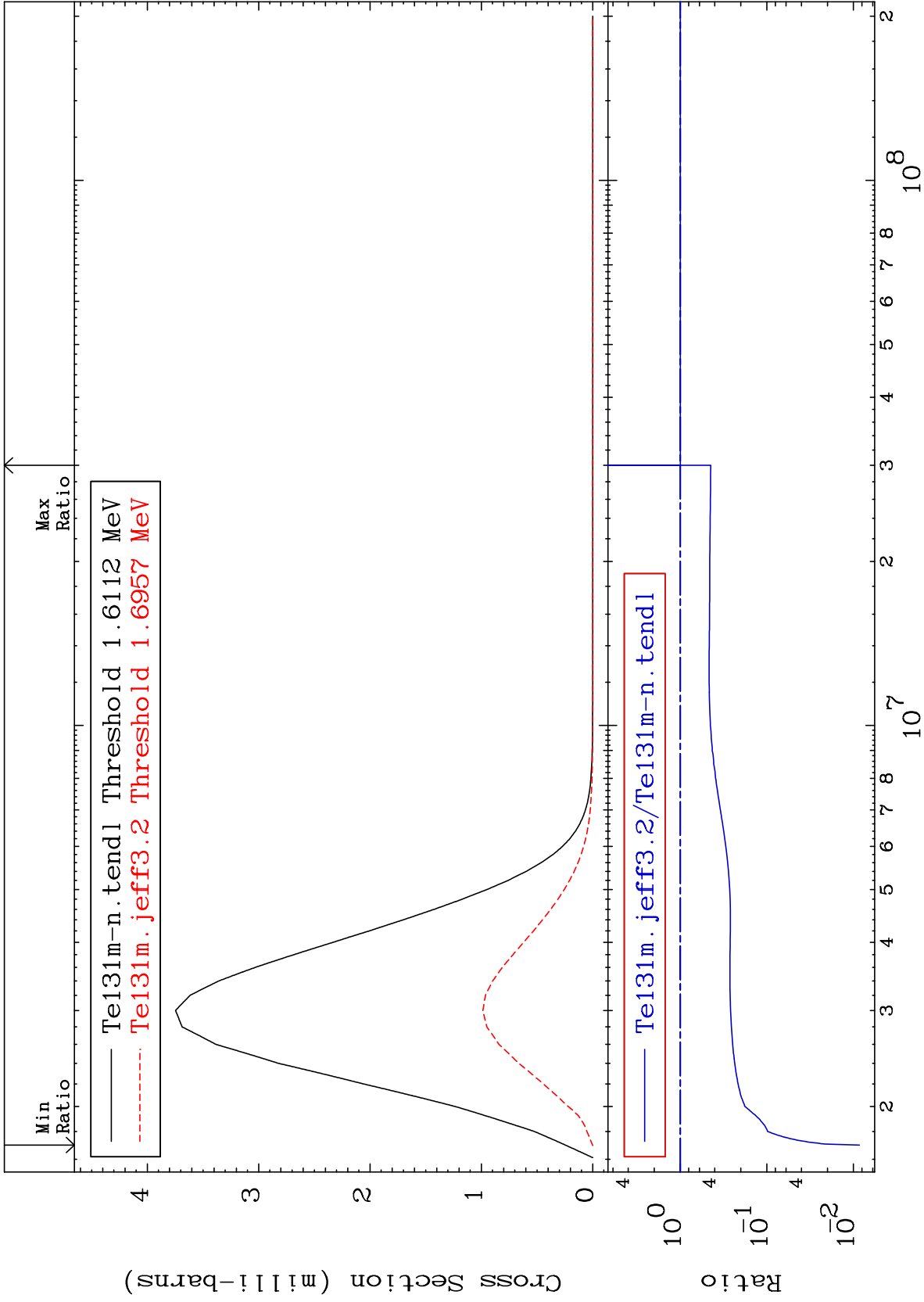
52-Te-131
-50.74 To 176.9 %



MAT 5259

1.781 MeV (n,n') Level
Cross Section

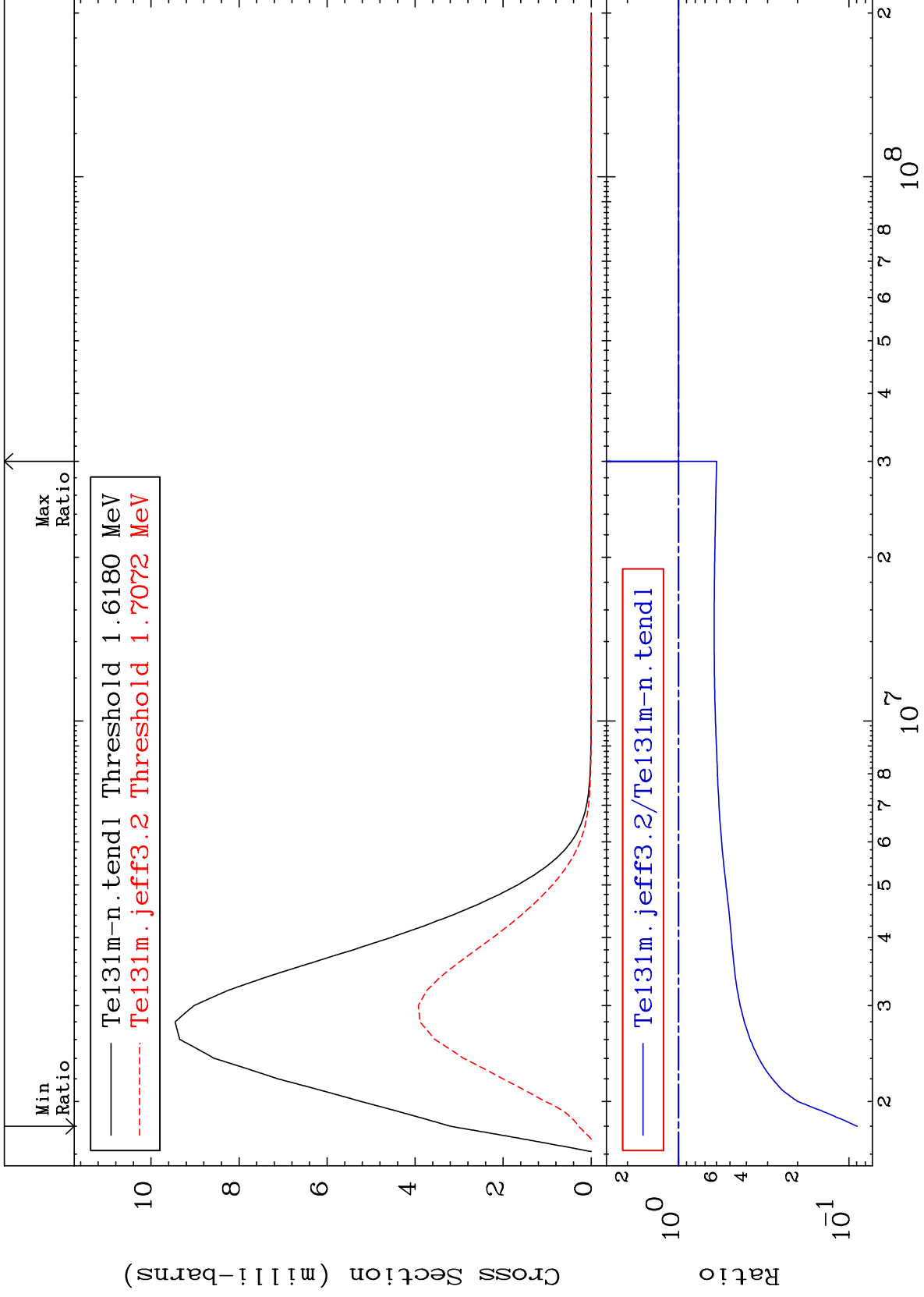
52-Te-131
-99.15 To 0.000 %



MAT 5259

1.788 MeV (n,n') Level
Cross Section

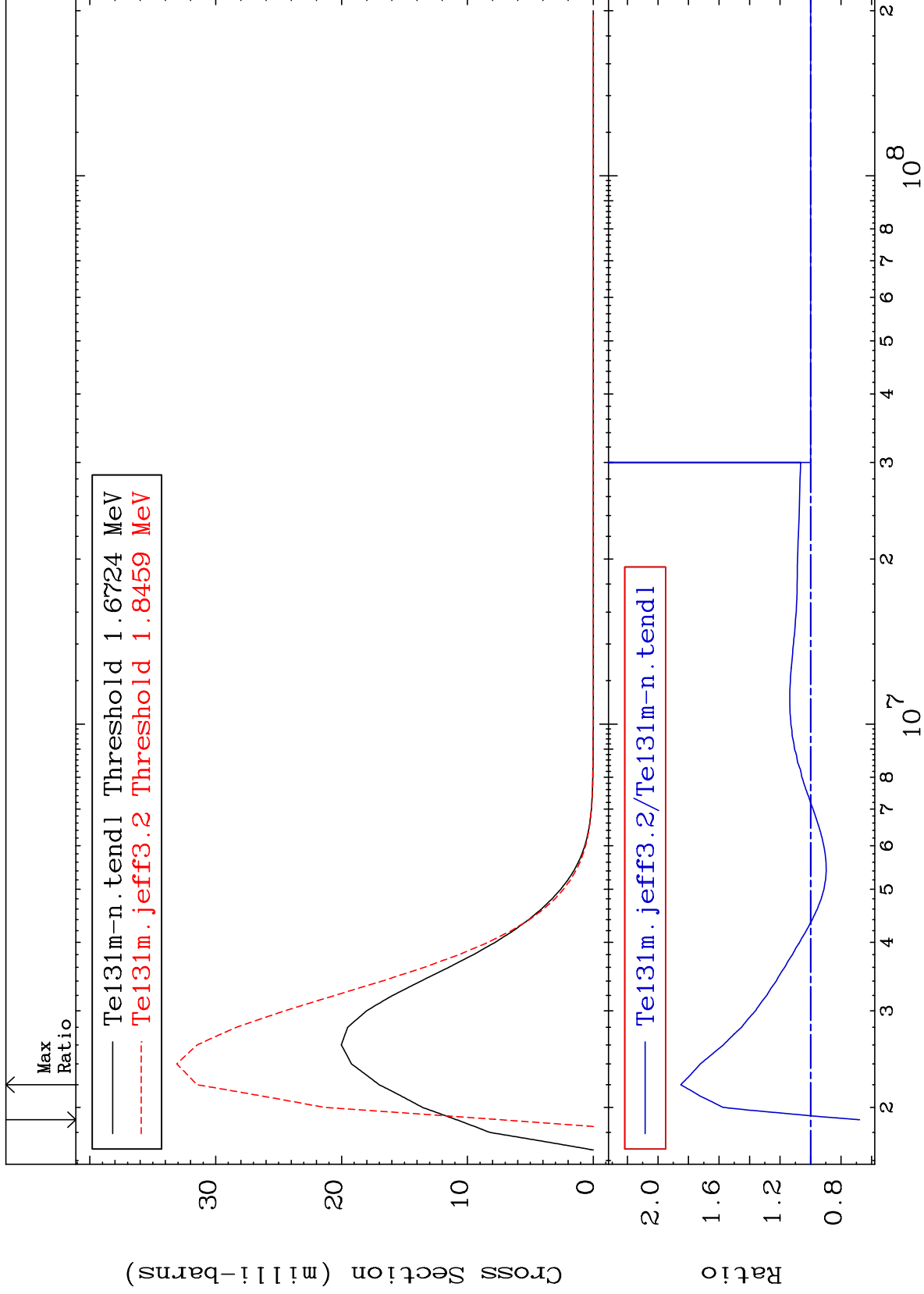
52-Te-131
-91.07 To 0.000 %



MAT 5259

1.842 MeV (n,n') Level
Cross Section

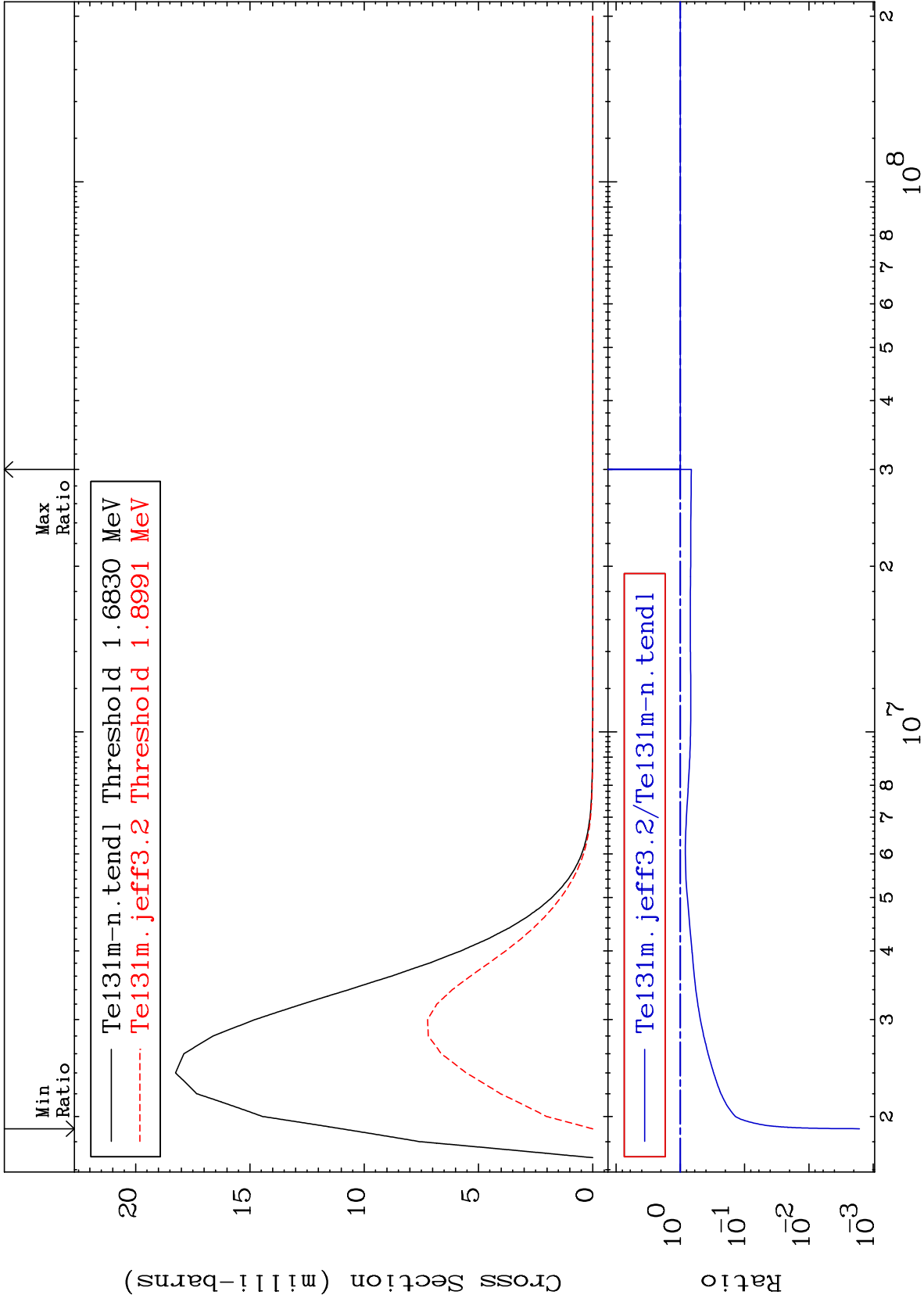
52-Te-131
-32.08 To 85.06 %



MAT 5259

1.852 MeV (n,n') Level
Cross Section

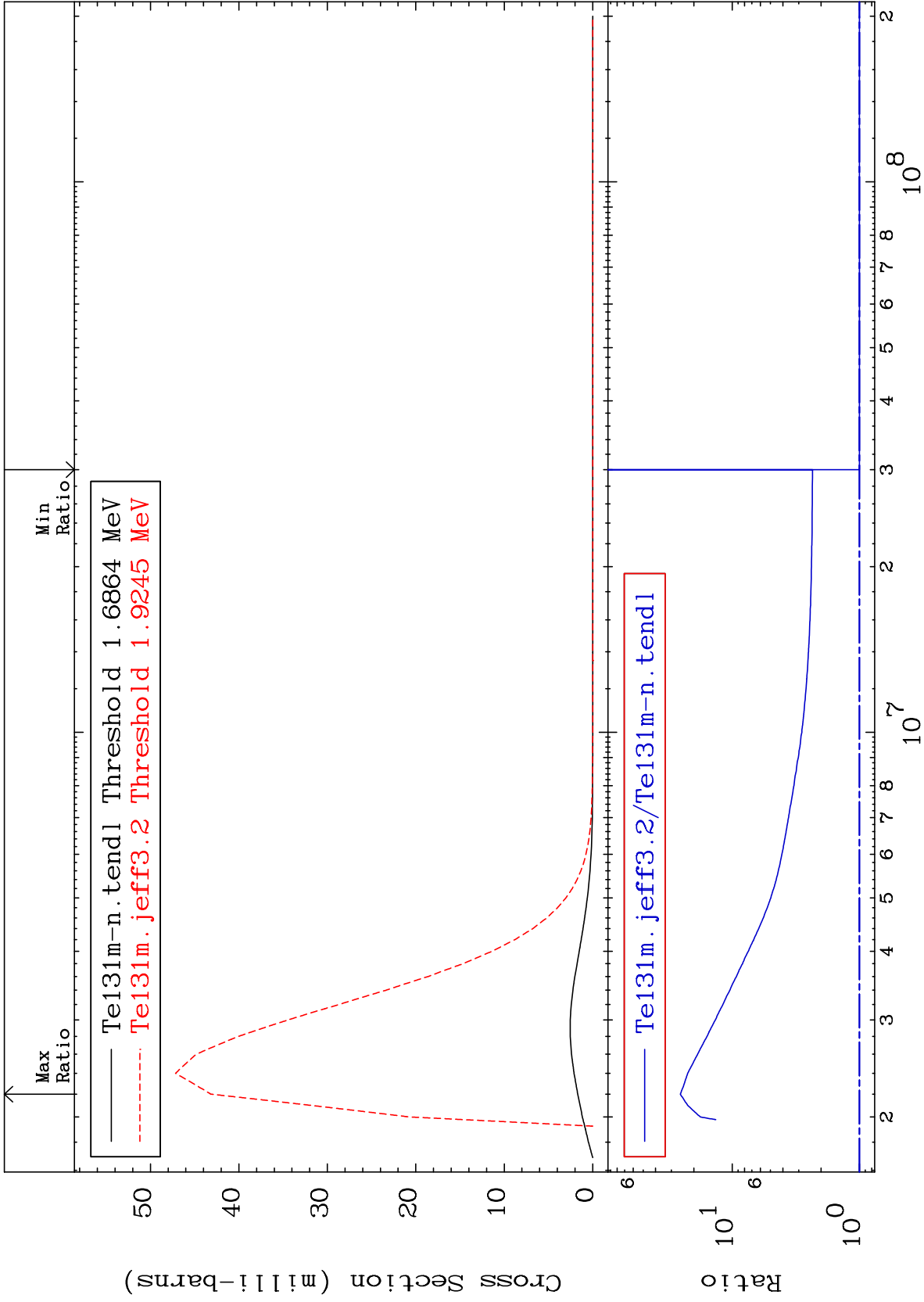
52-Te-131
-99.84 To 0.000 %



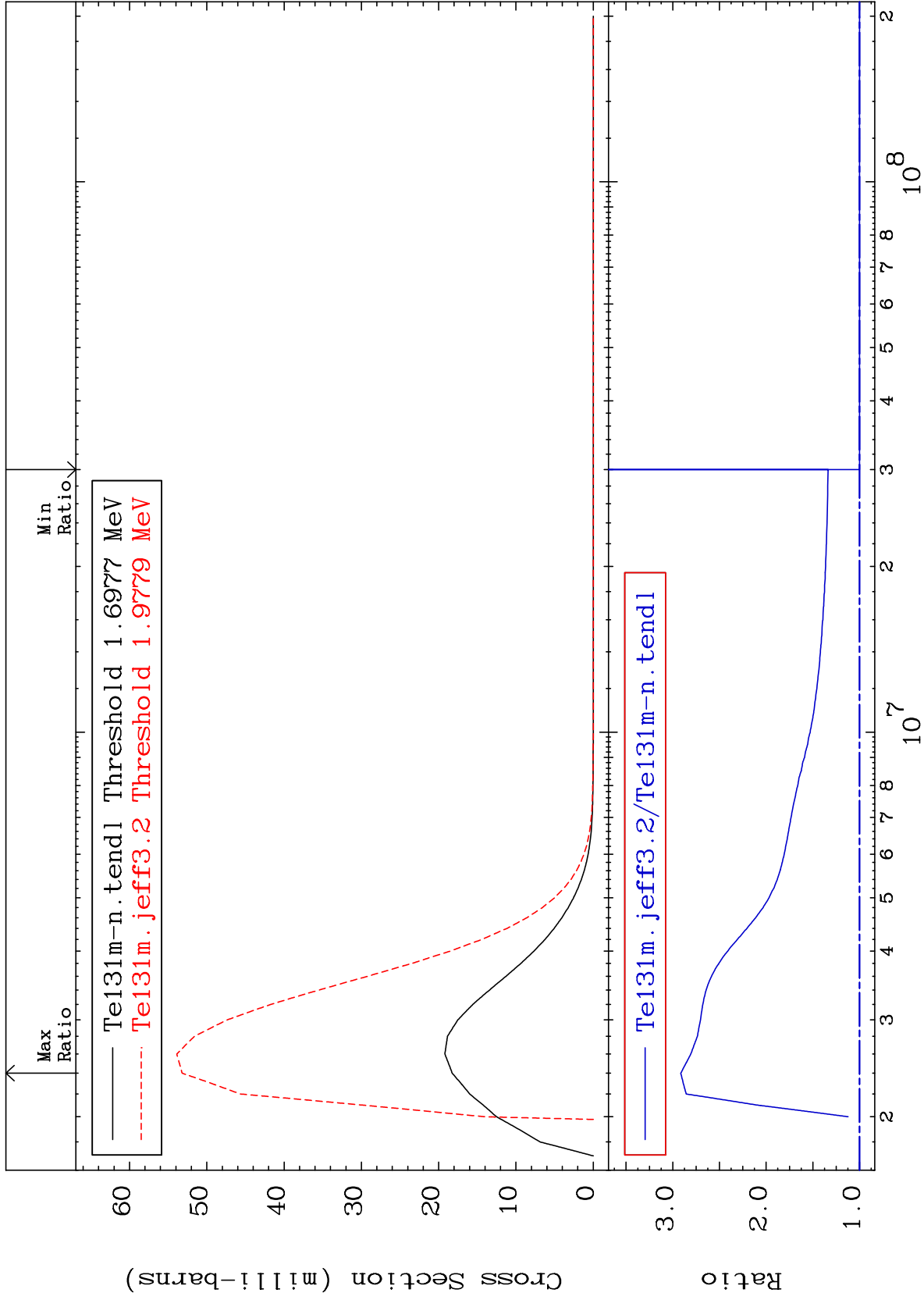
MAT 5259

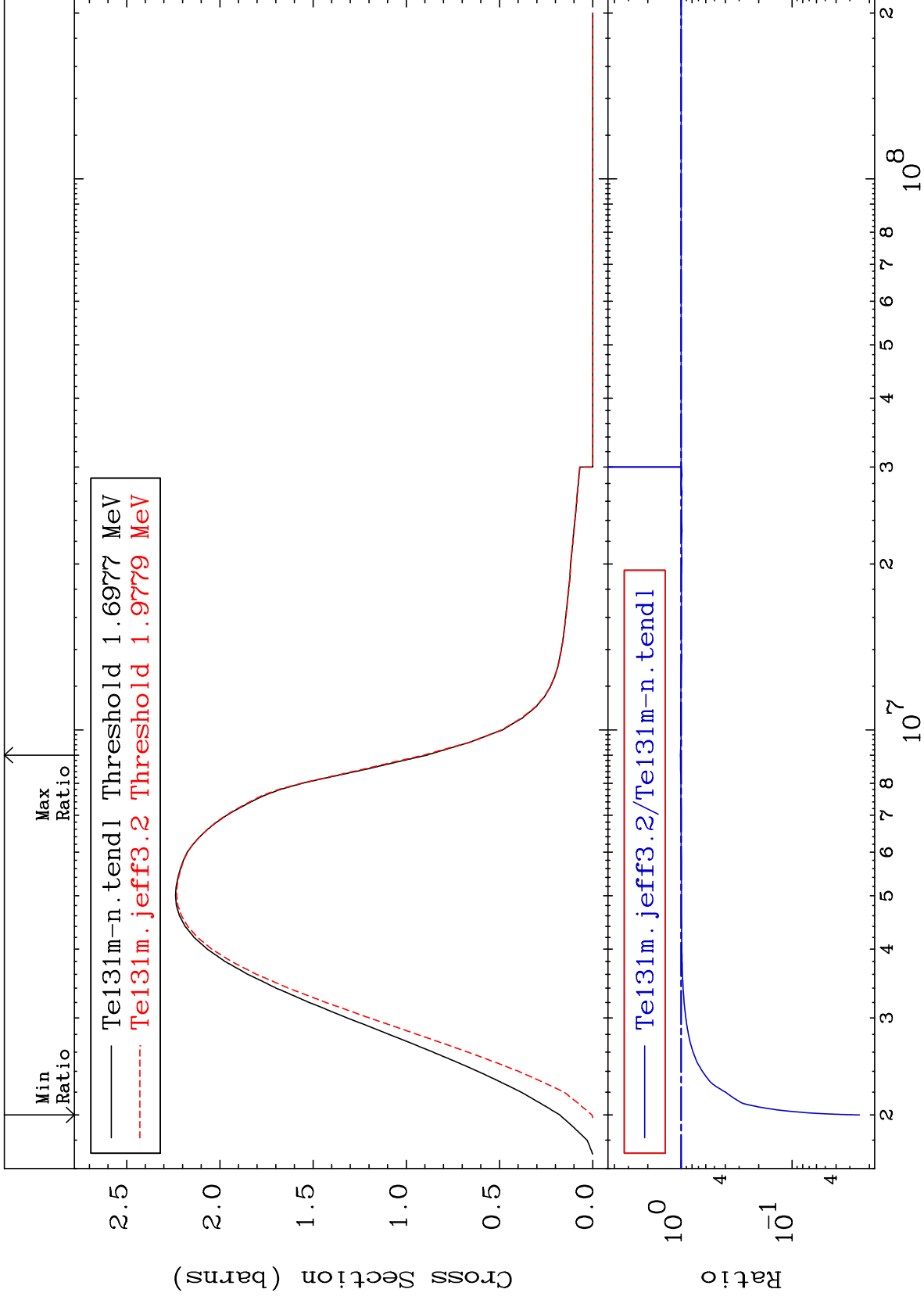
1.856 MeV (n,n') Level
Cross Section

52-Te-131
To 2452. %



MAT 5259 1.867 MeV (n,n') Level 52-Te-131
 Cross Section 0.000 To 191.4 %





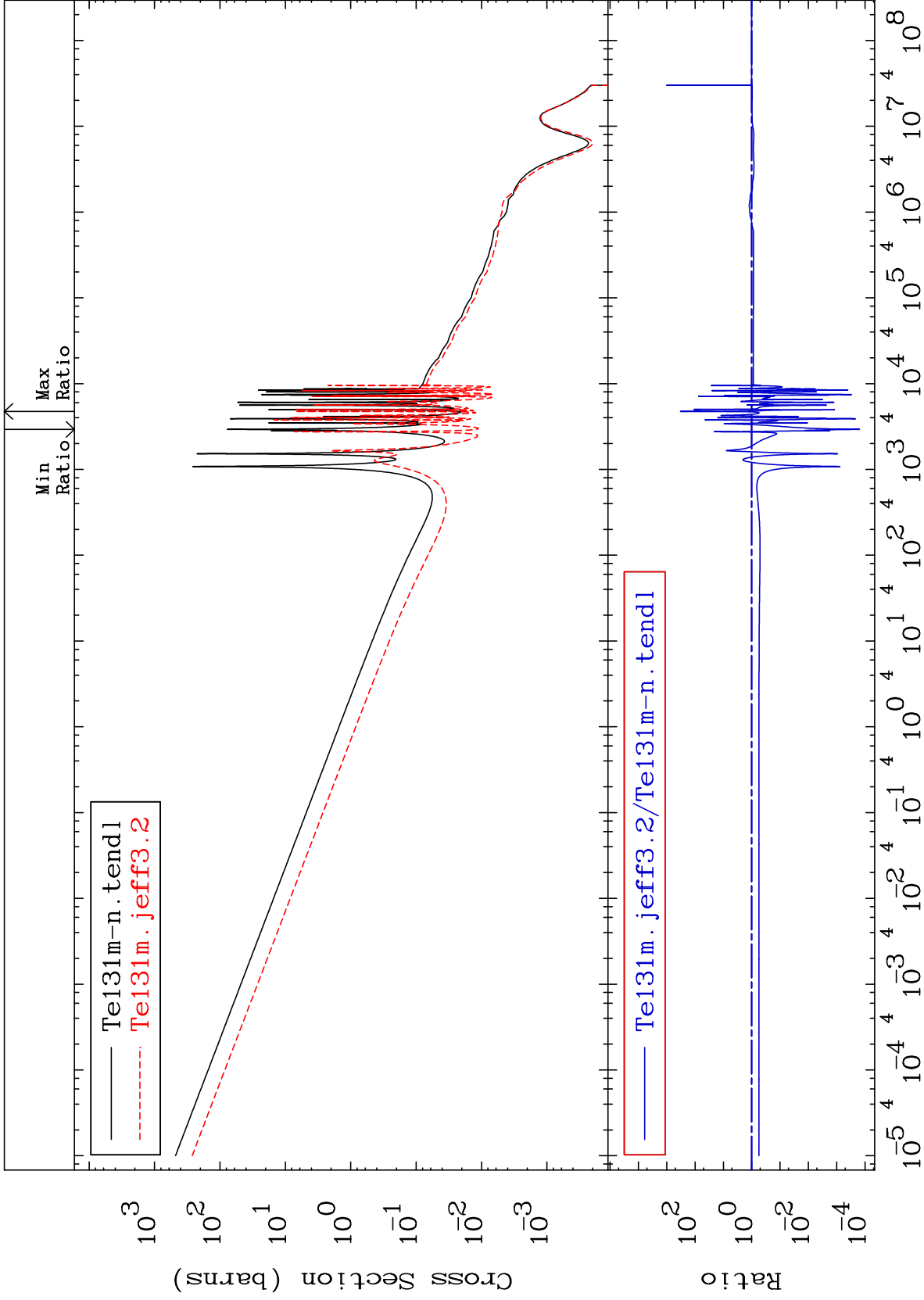
MAT 5259

(n, γ)

52-Te-131

Cross Section

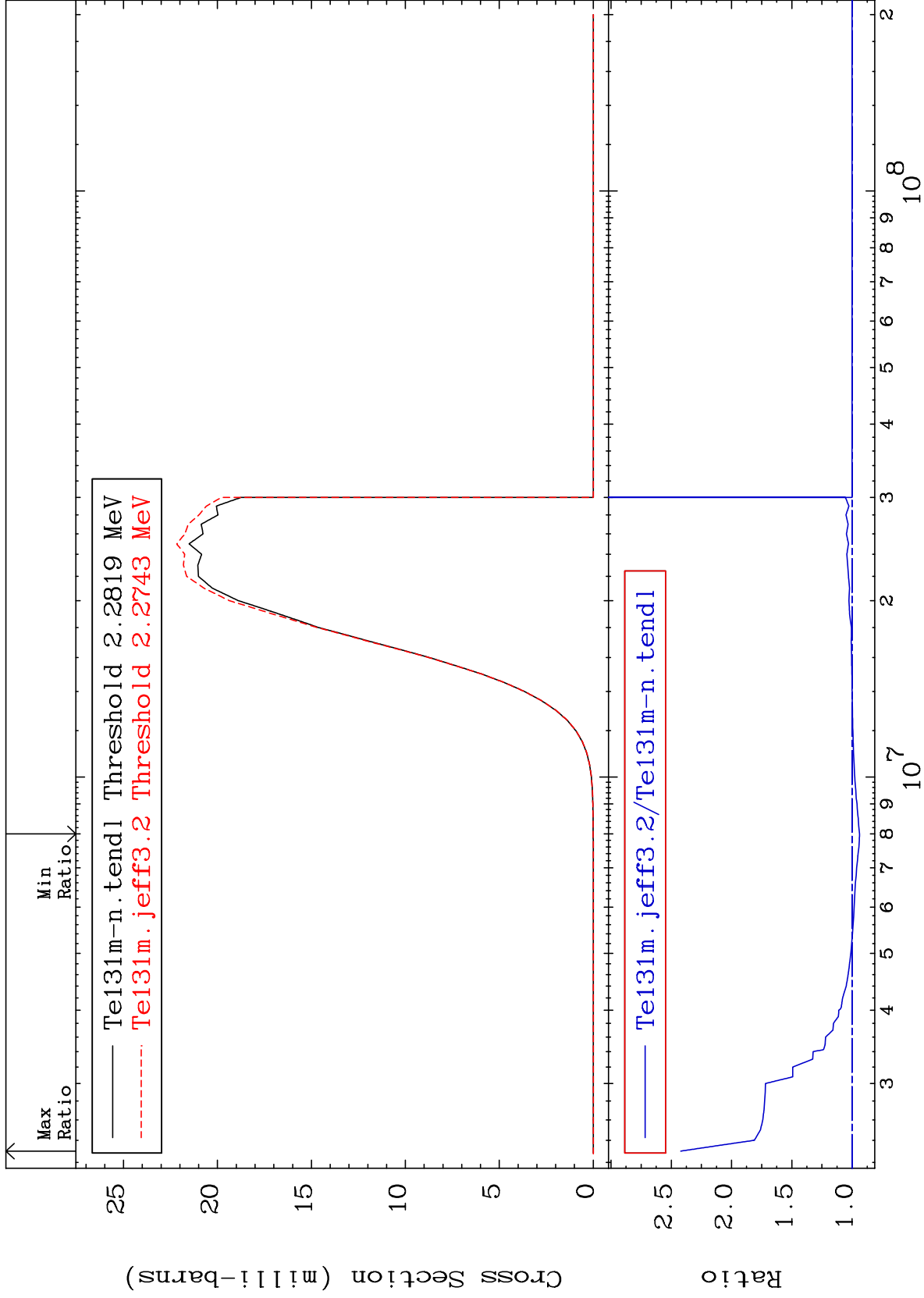
-99.98 To 9999. %



MAT 5259

(n,p)
Cross Section

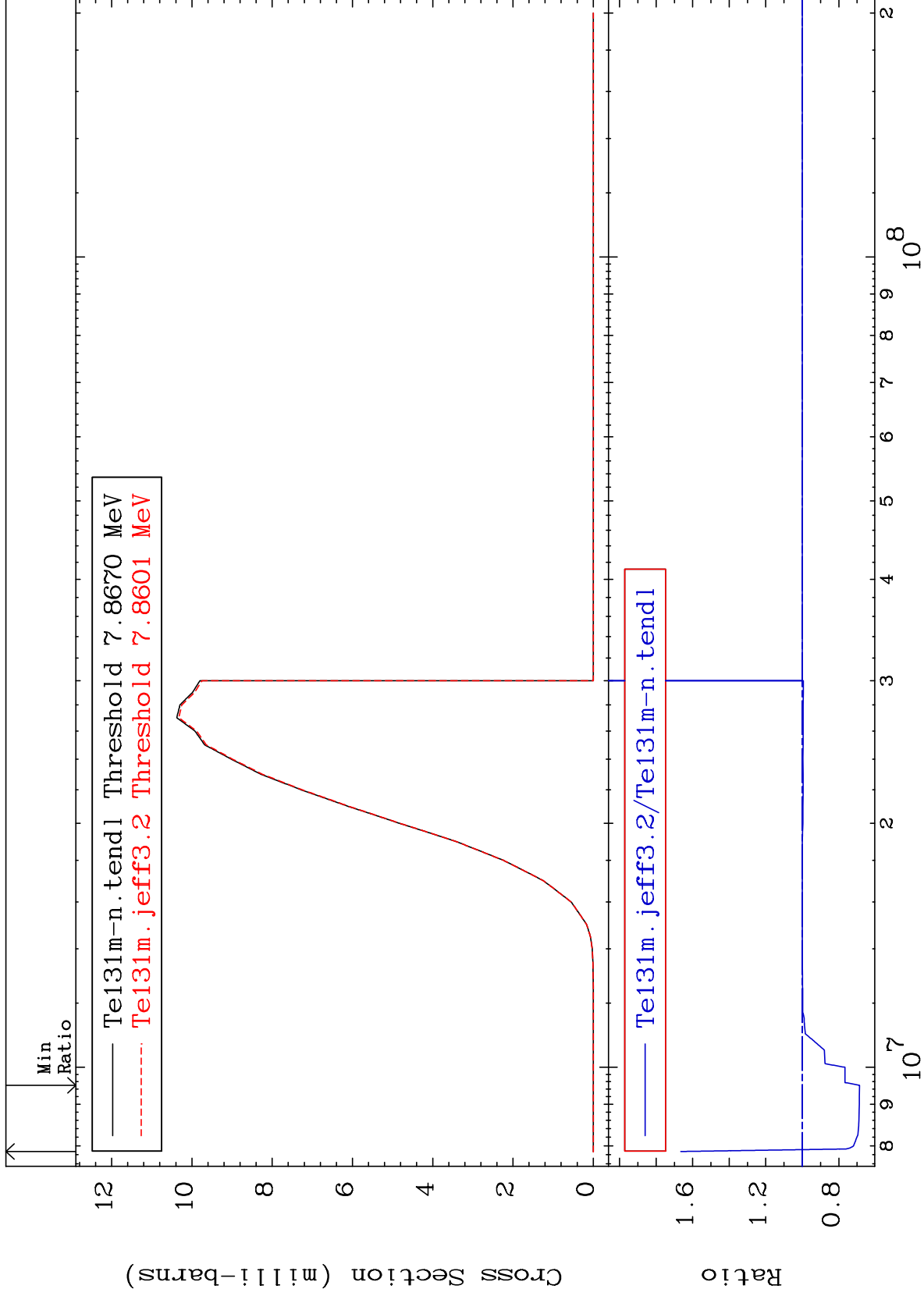
52-Te-131
-6.193 To 142.1 %



MAT 5259

(n, d)
Cross Section

52-Te-131
-31.32 To 66.50 %



51

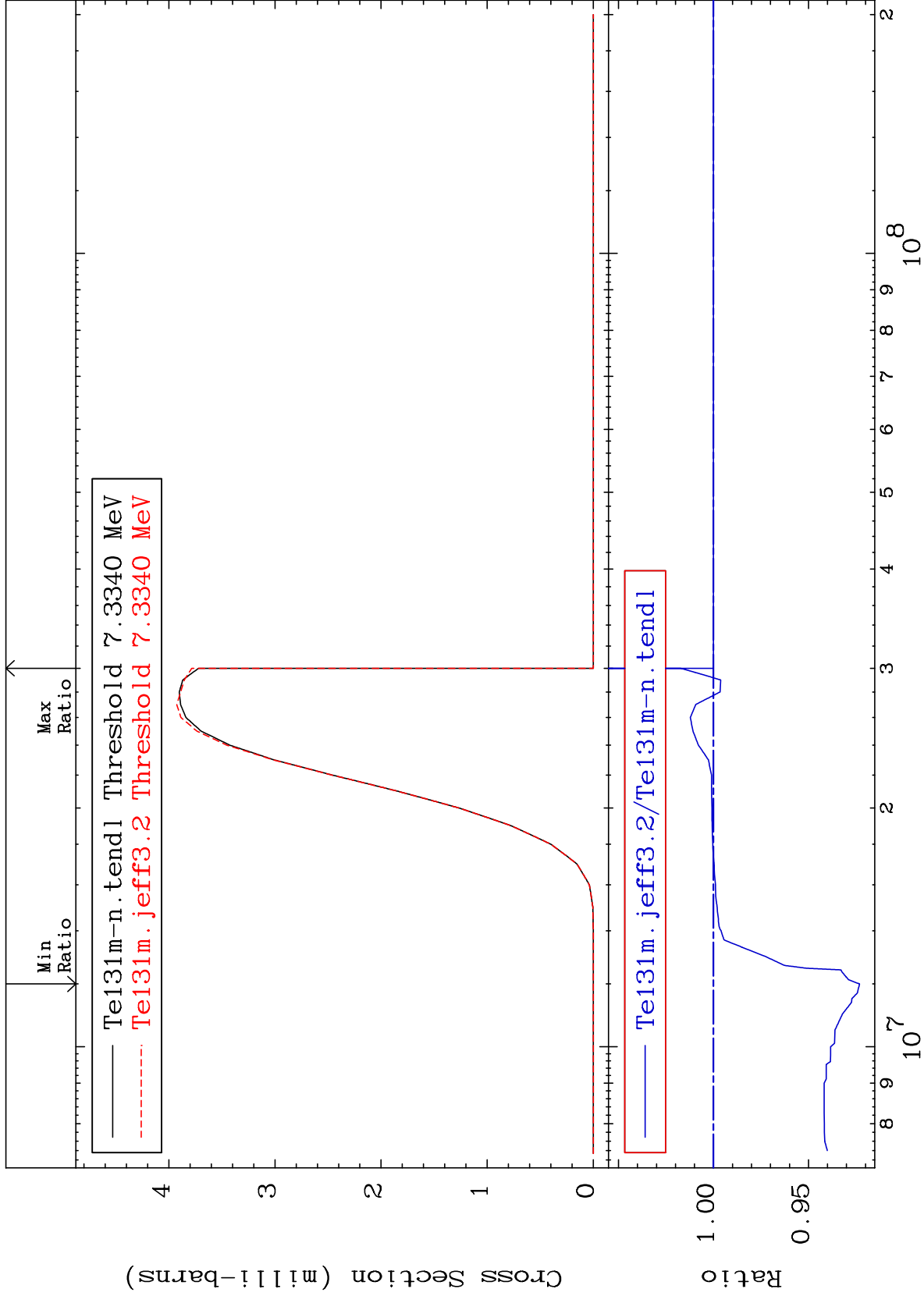
Incident Energy (eV)

52-Te-131

MAT 5259

52-Te-131

(n, t)
Cross Section
-7.686 To 1.722 %



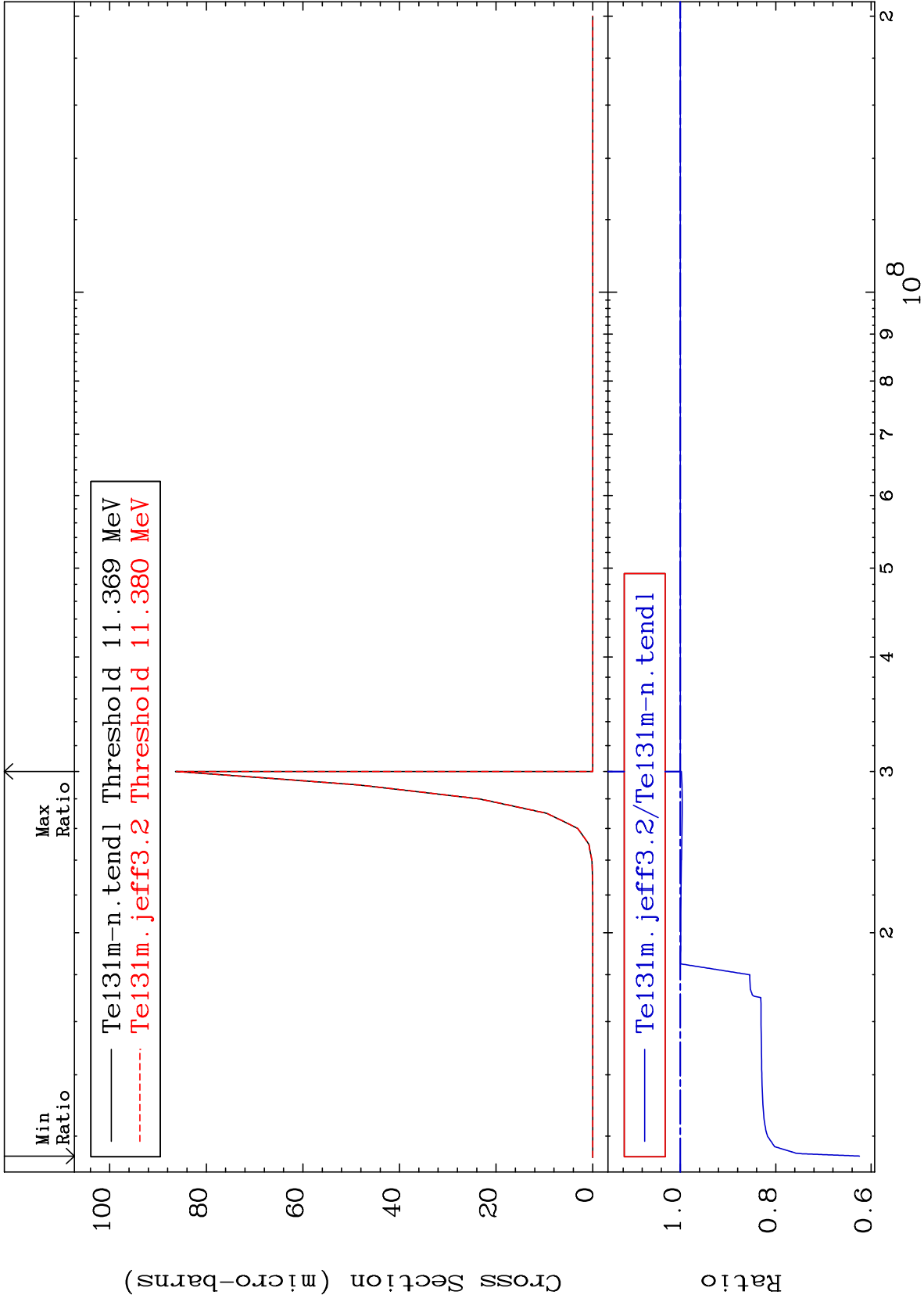
52

Incident Energy (eV)

52-Te-131

Cross Section

-37.54 To 0.000 %



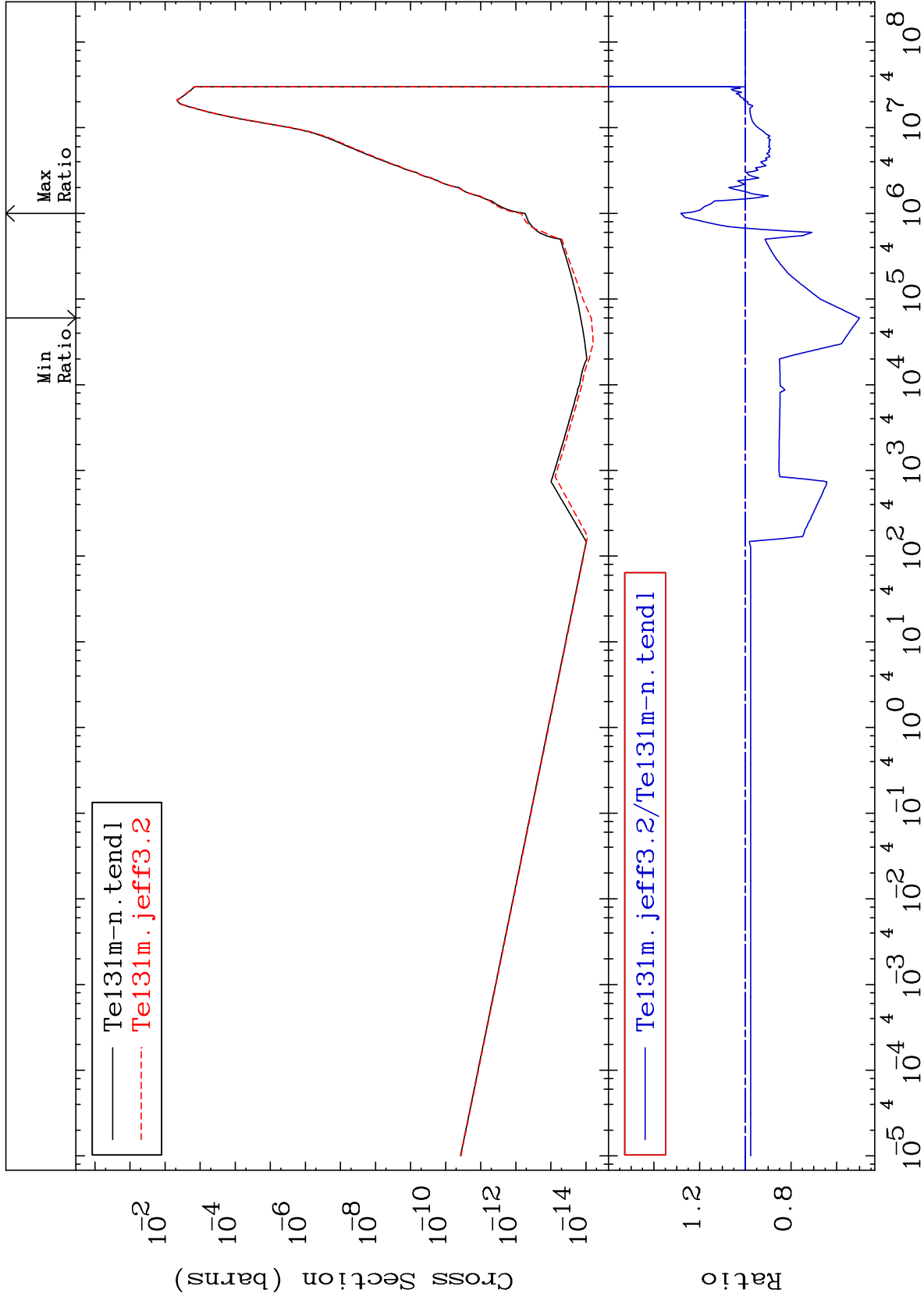
MAT 5259

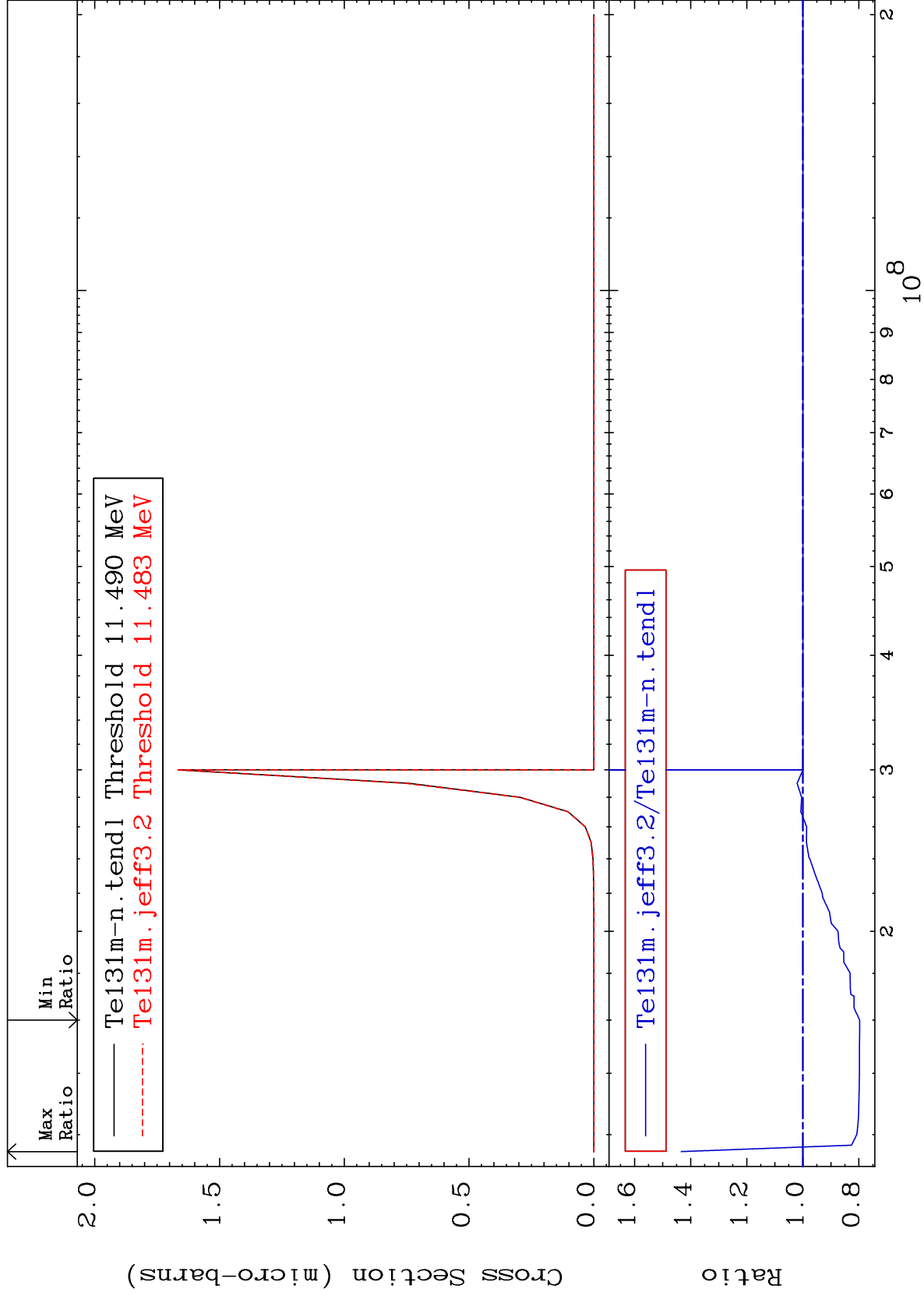
(n, α)

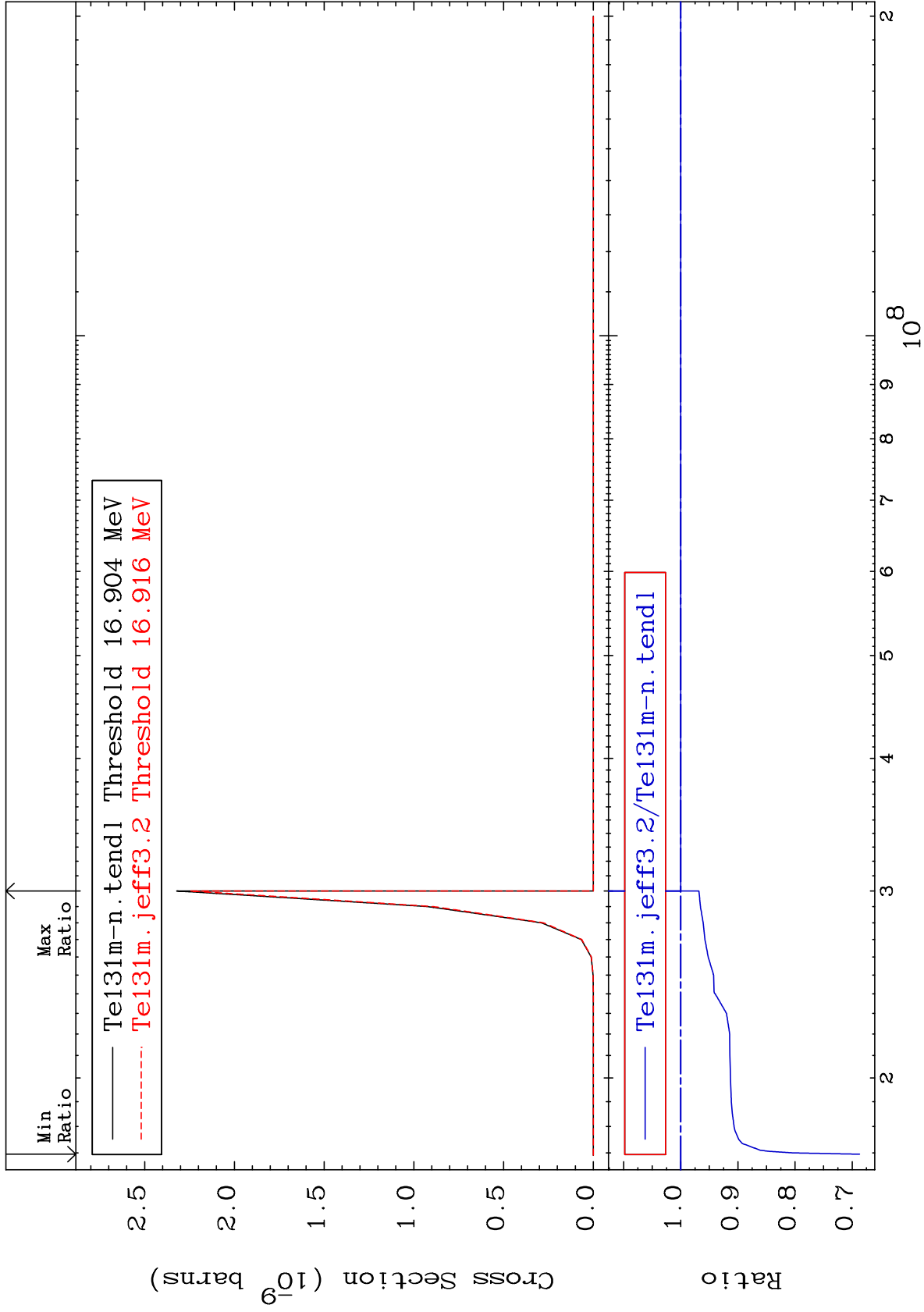
52-Te-131

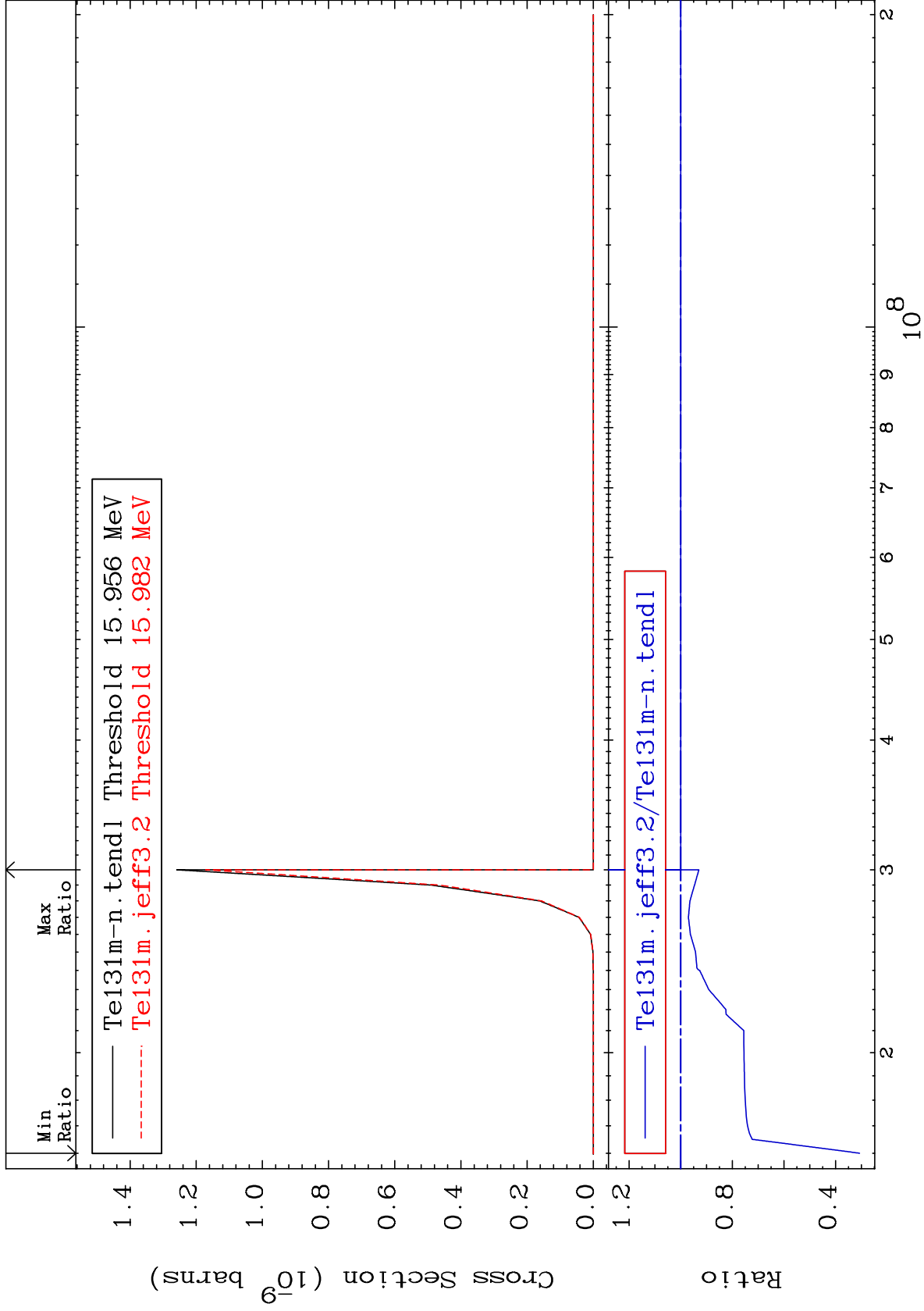
Cross Section

-50.03 To 28.25 %





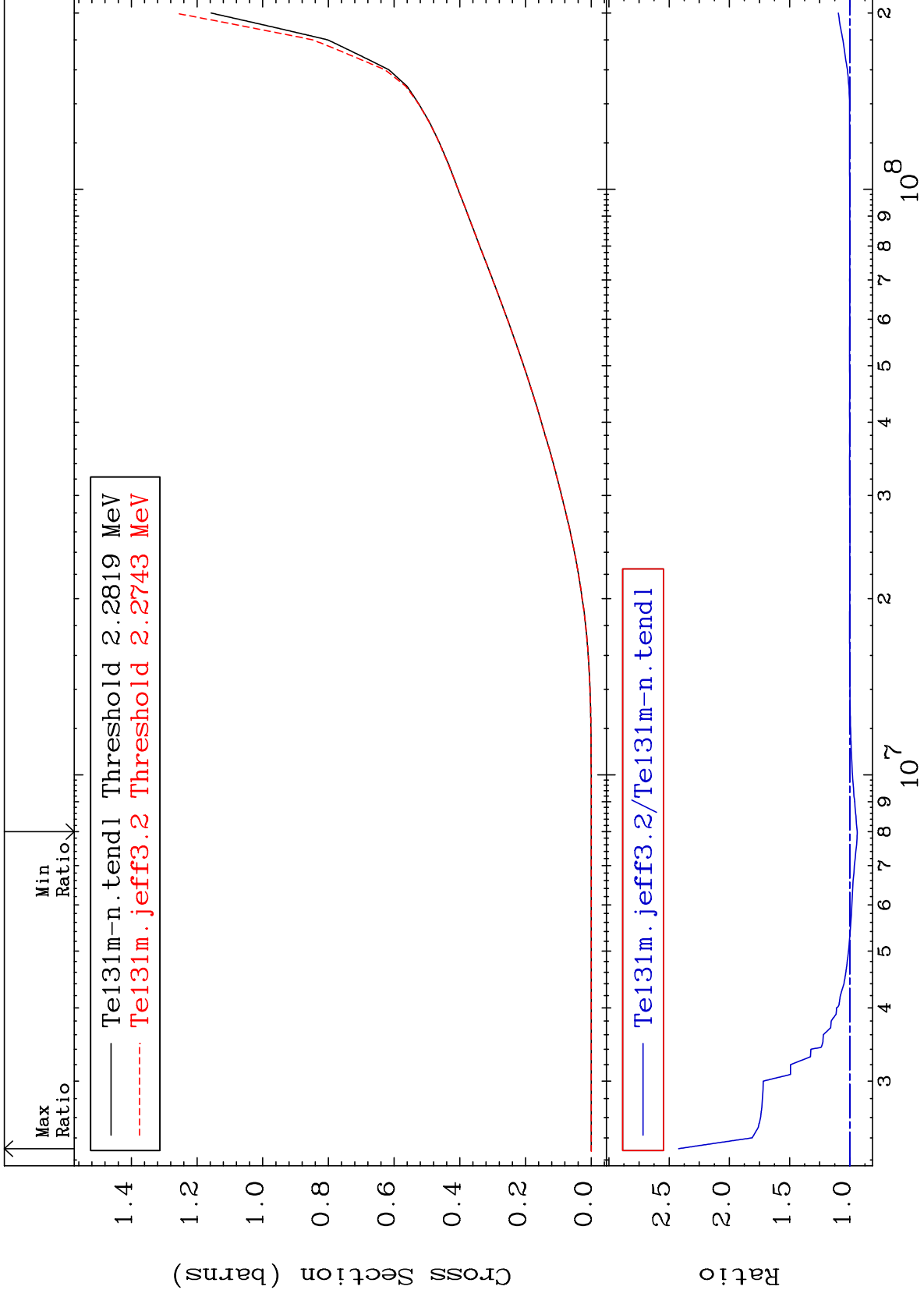




MAT 5259

Hydrogen Production
Cross Section

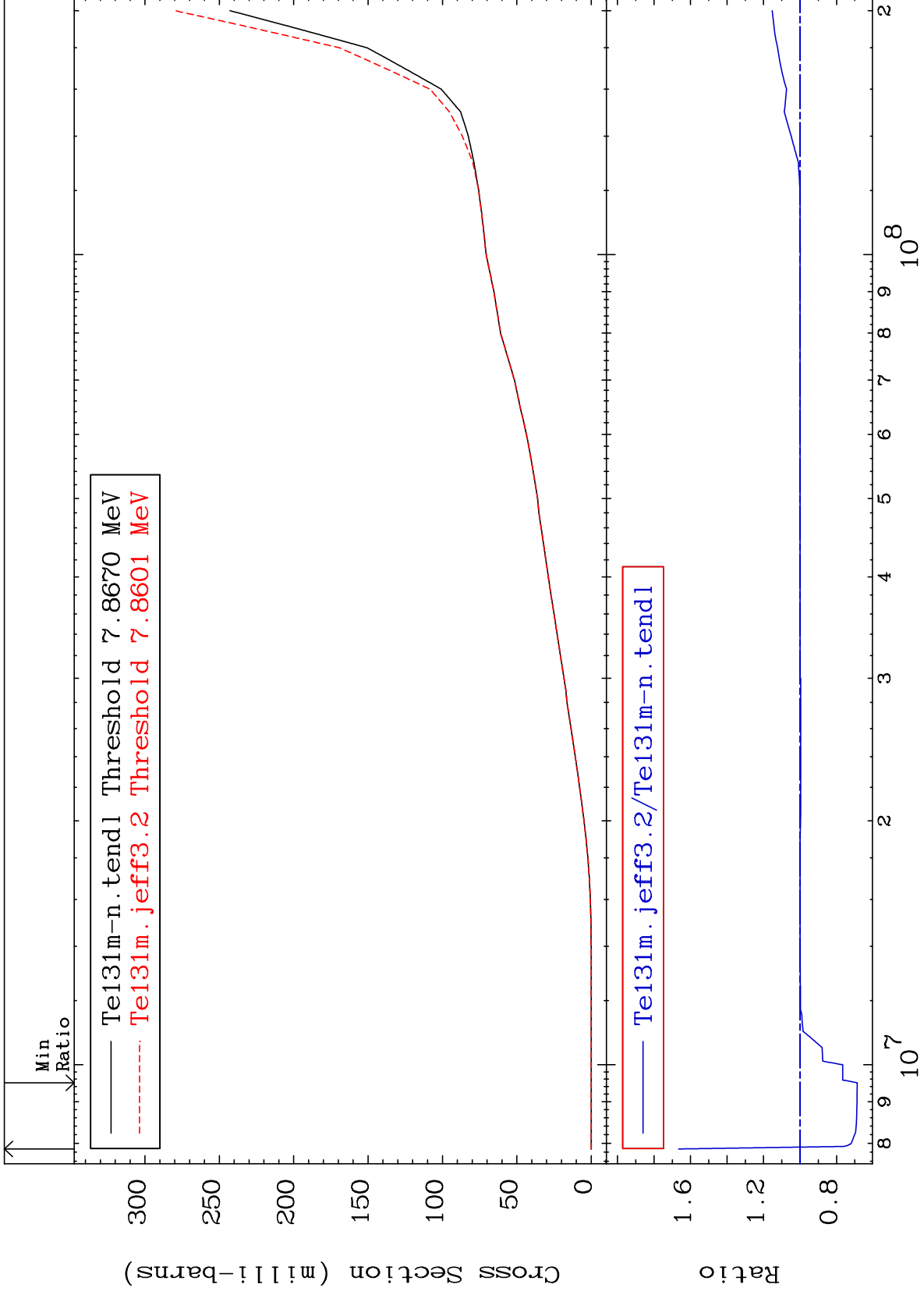
52-Te-131
-6.193 To 142.1 %



MAT 5259

Deuterium Production
Cross Section

52-Te-131
-31.32 To 66.50 %



59

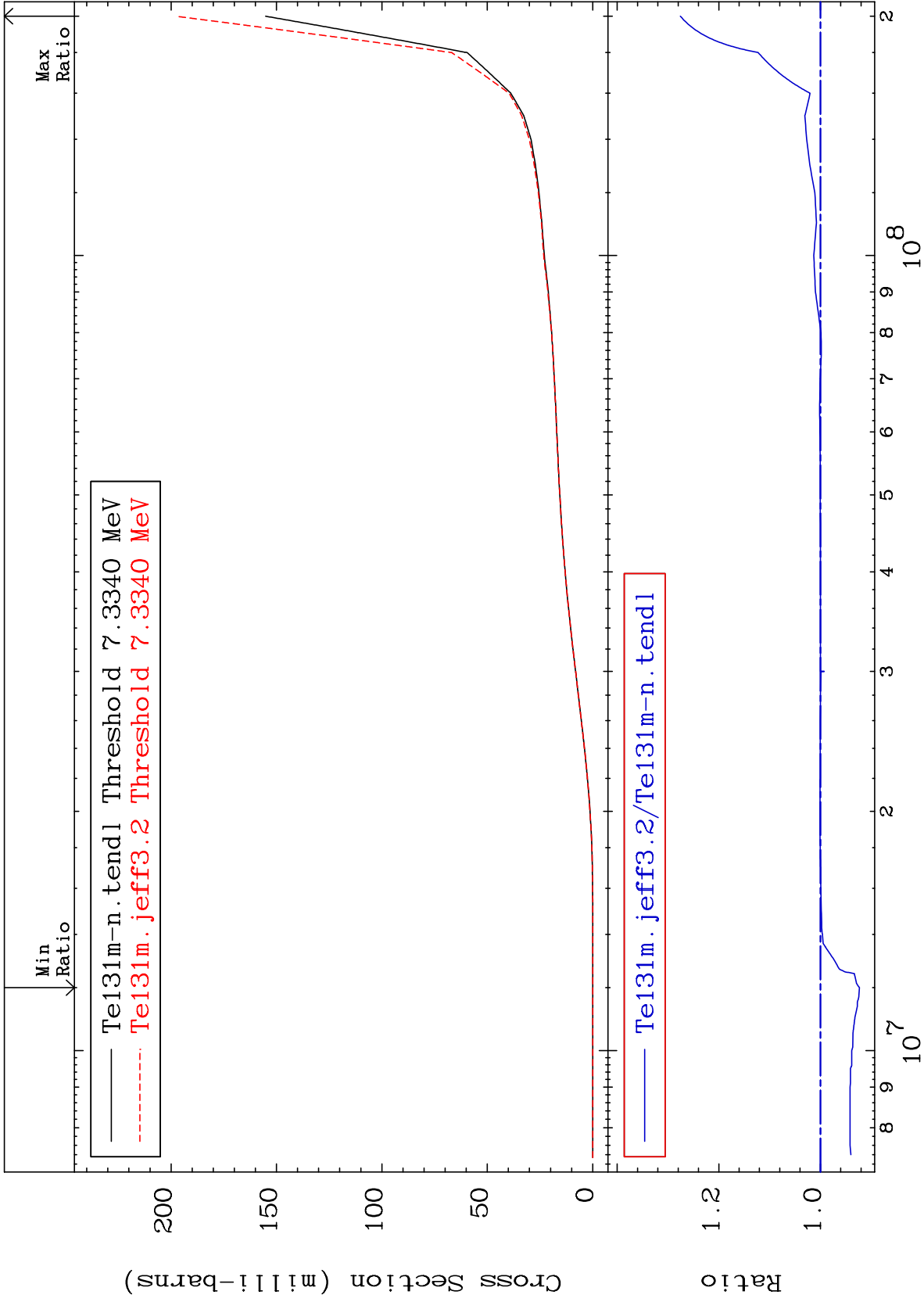
Incident Energy (eV)

52-Te-131

MAT 5259

Tritium Production
Cross Section

52-Te-131
-7.686 To 27.57 %



60

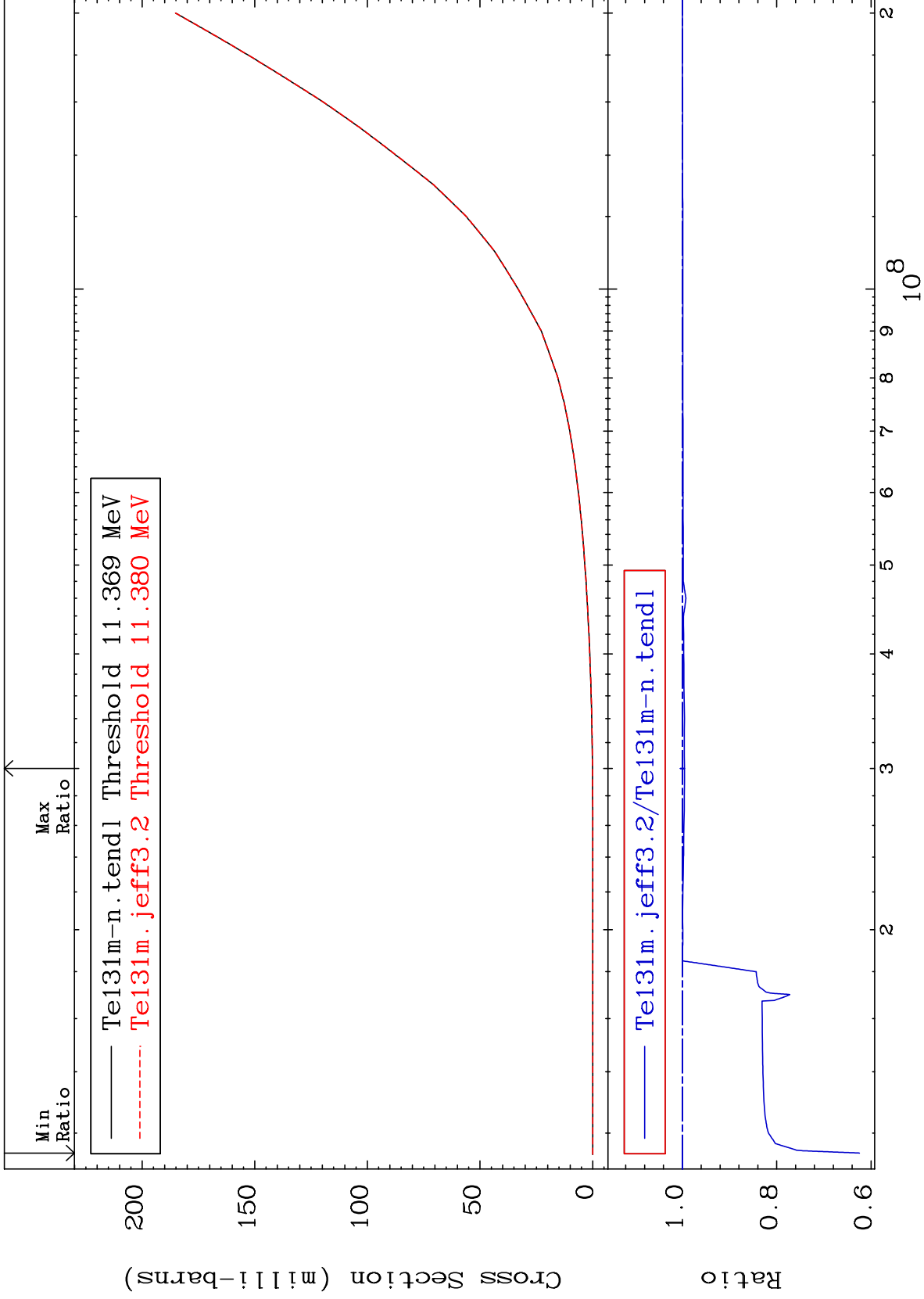
Incident Energy (eV)

52-Te-131

MAT 5259

He-3 Production
Cross Section

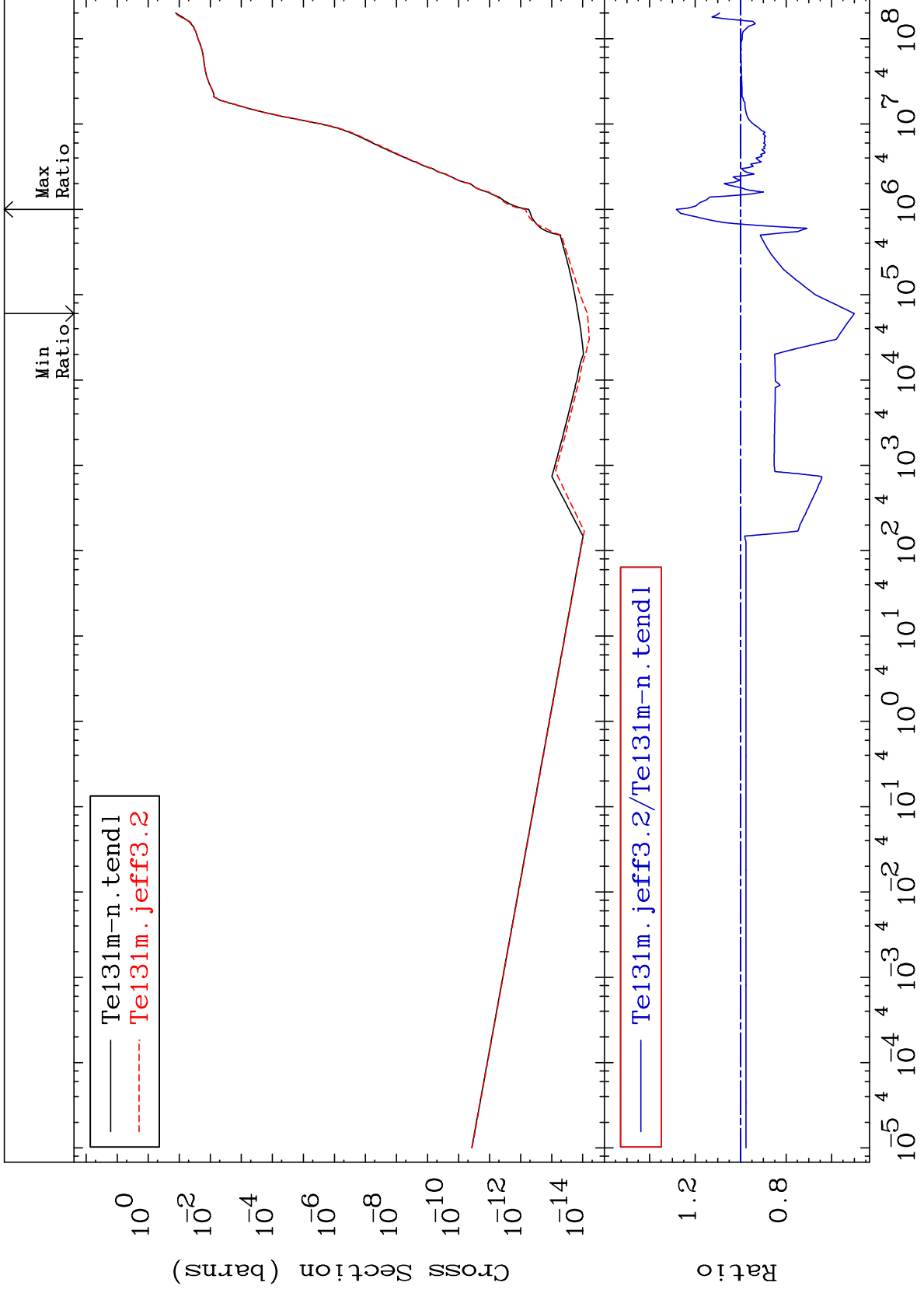
52-Te-131
-37.54 To 0.424 %



MAT 5259

He-4 Production
Cross Section

52-Te-131
-50.03 To 28.25 %



62

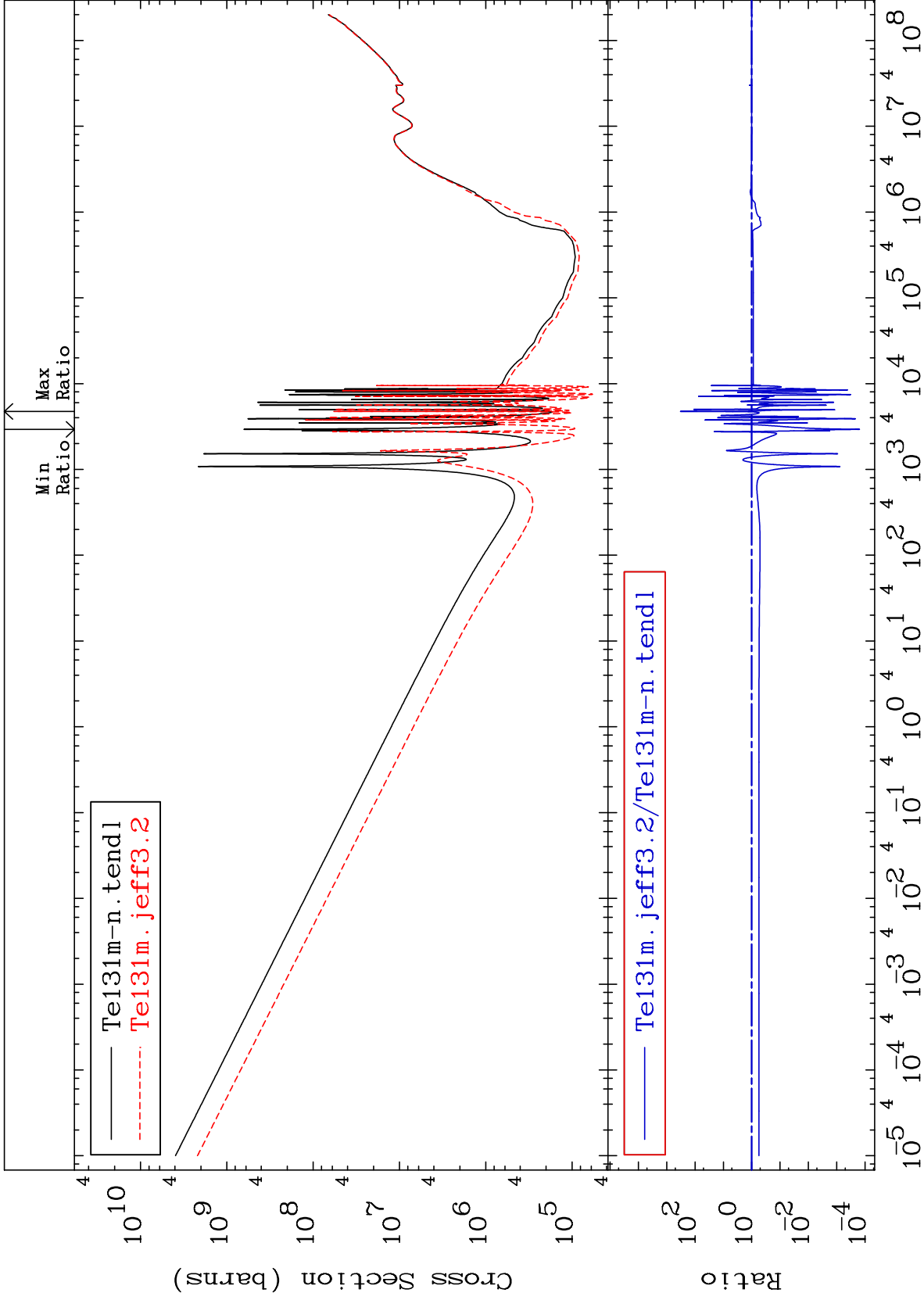
Incident Energy (eV)

52-Te-131

MAT 5259

Kerma total (eV-barns)
Cross Section

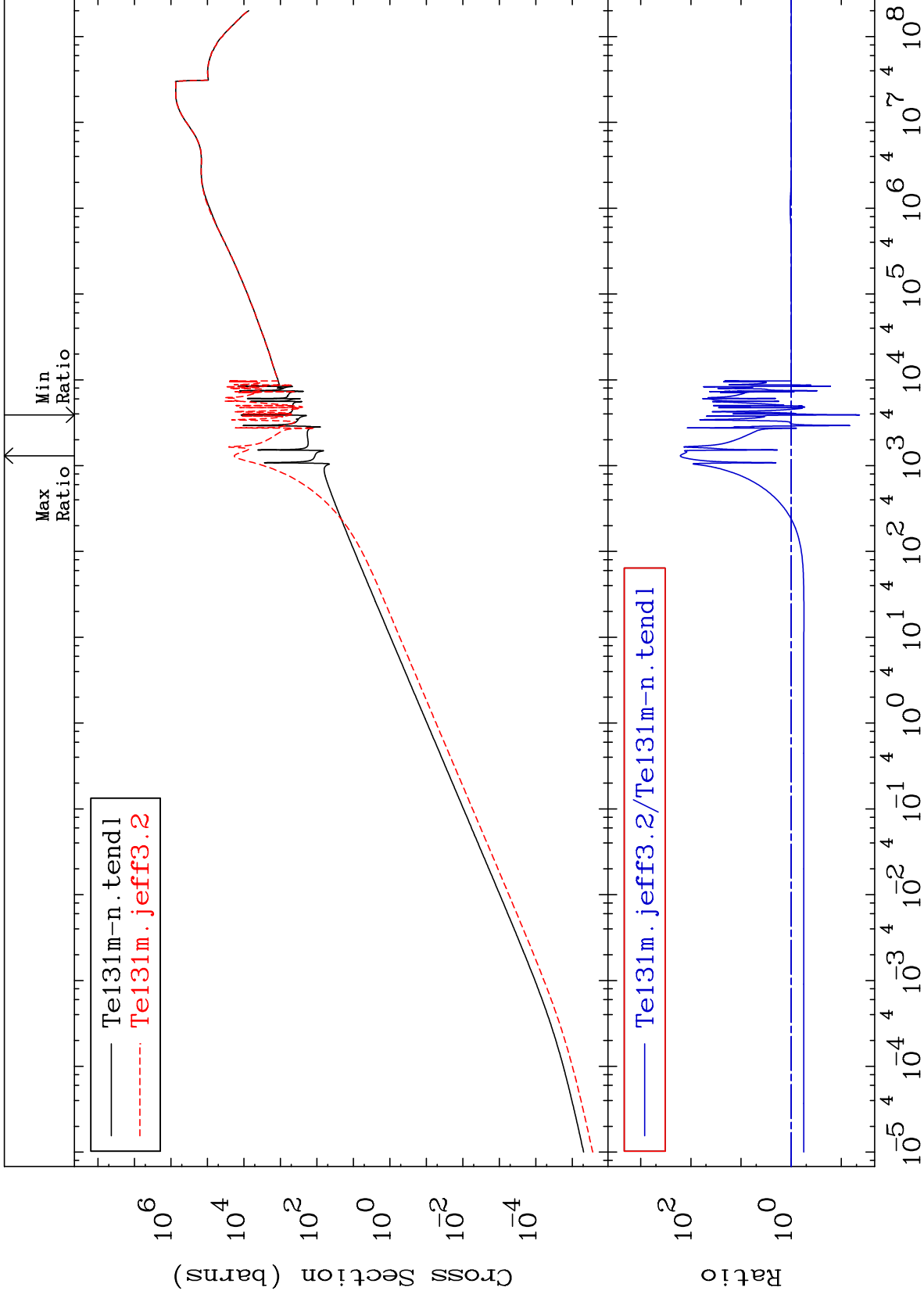
52-Te-131
-99.98 To 9999. %

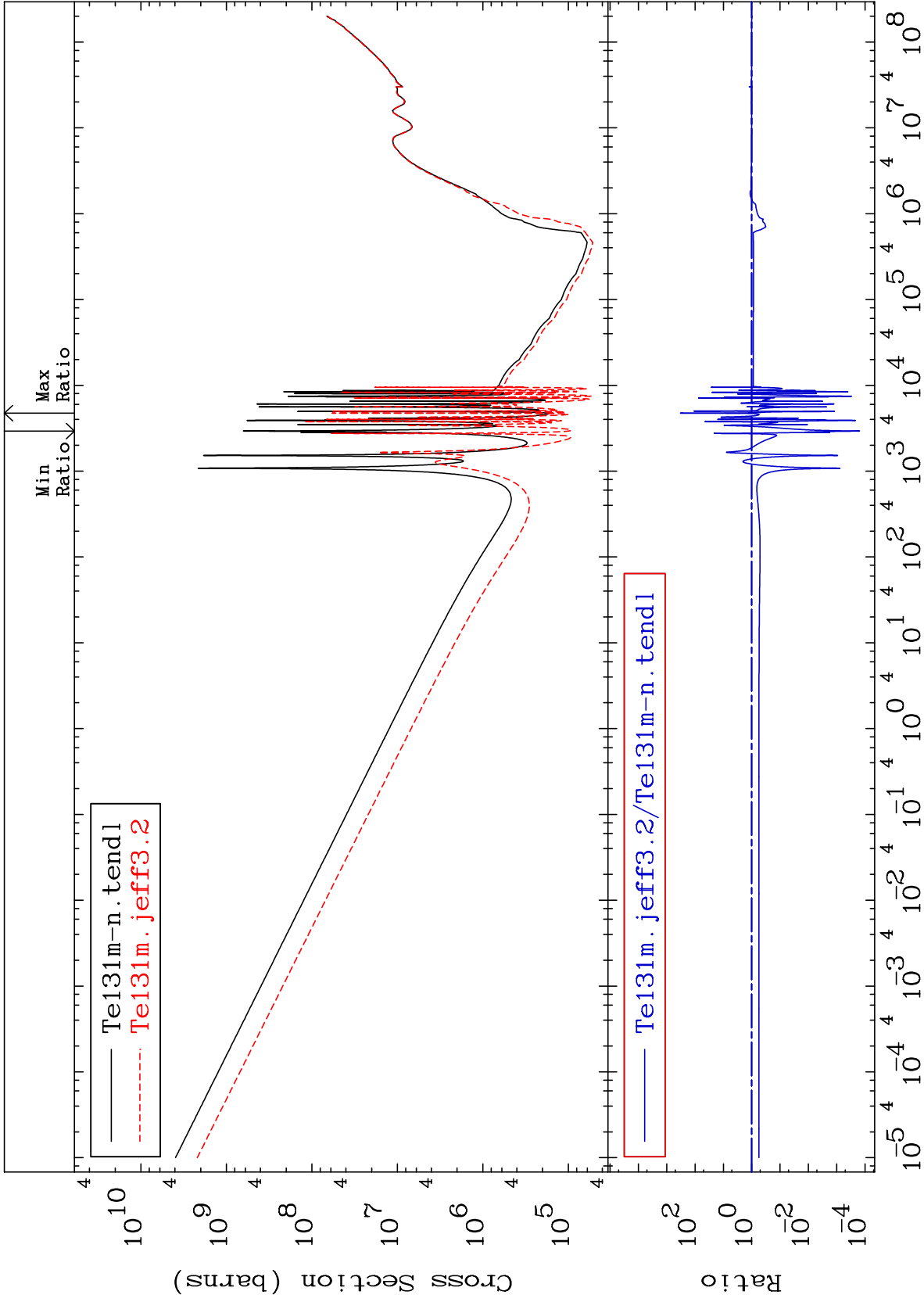


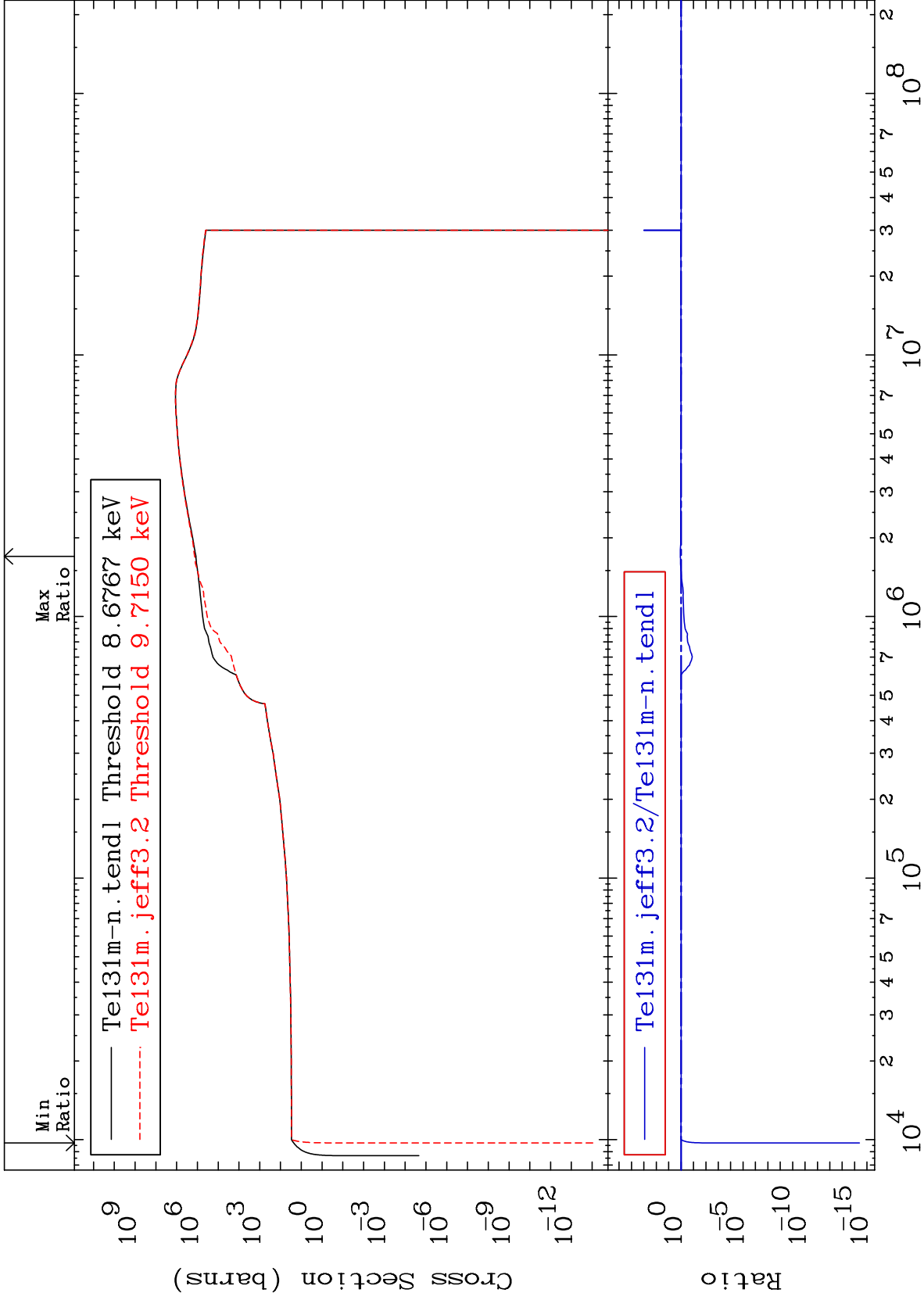
MAT 5259

Kerma elastic
Cross Section

52-Te-131
-95.63 To 9999. %



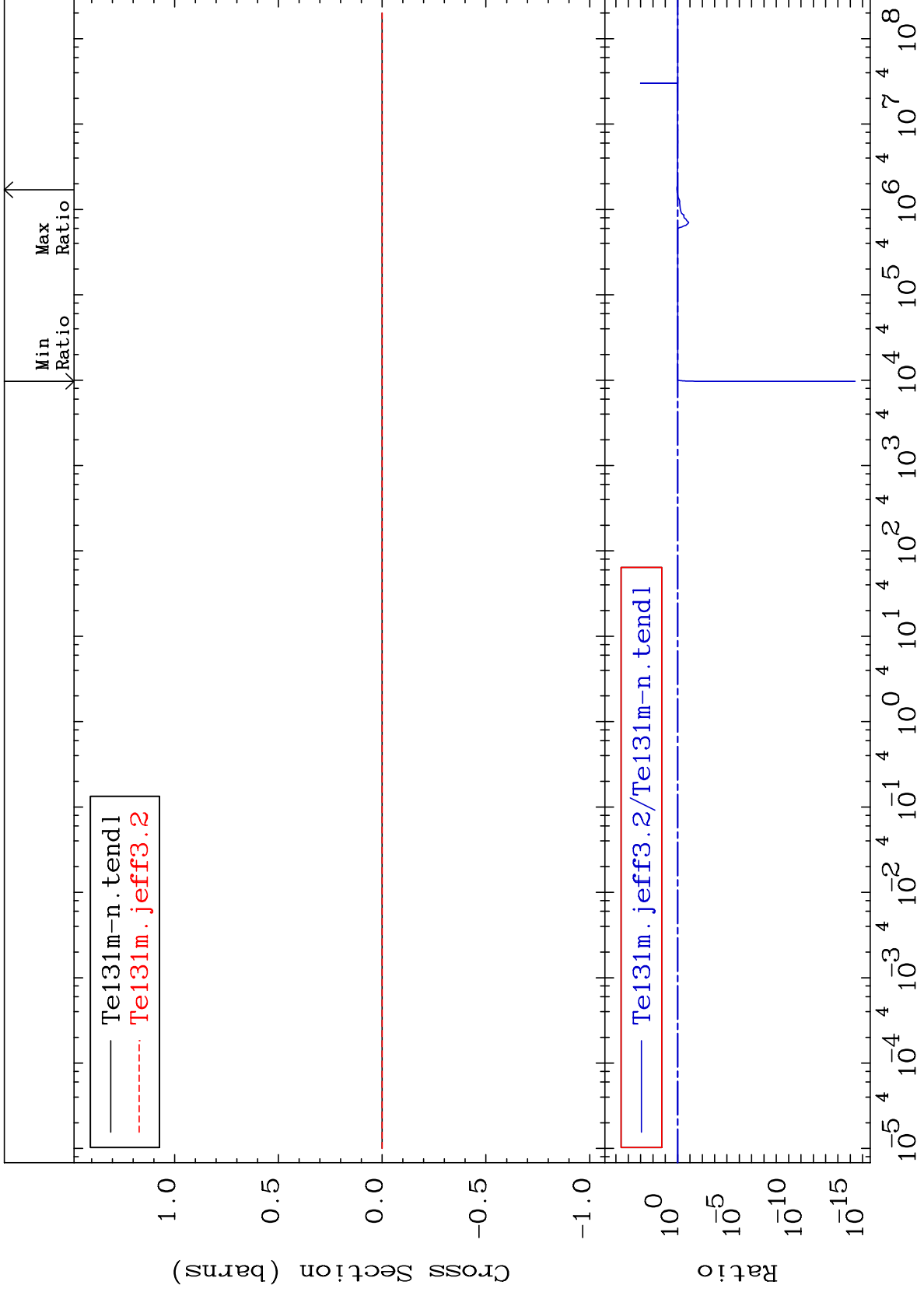




MAT 5259

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

52-Te-131
-100.0 To 14.03 %



67

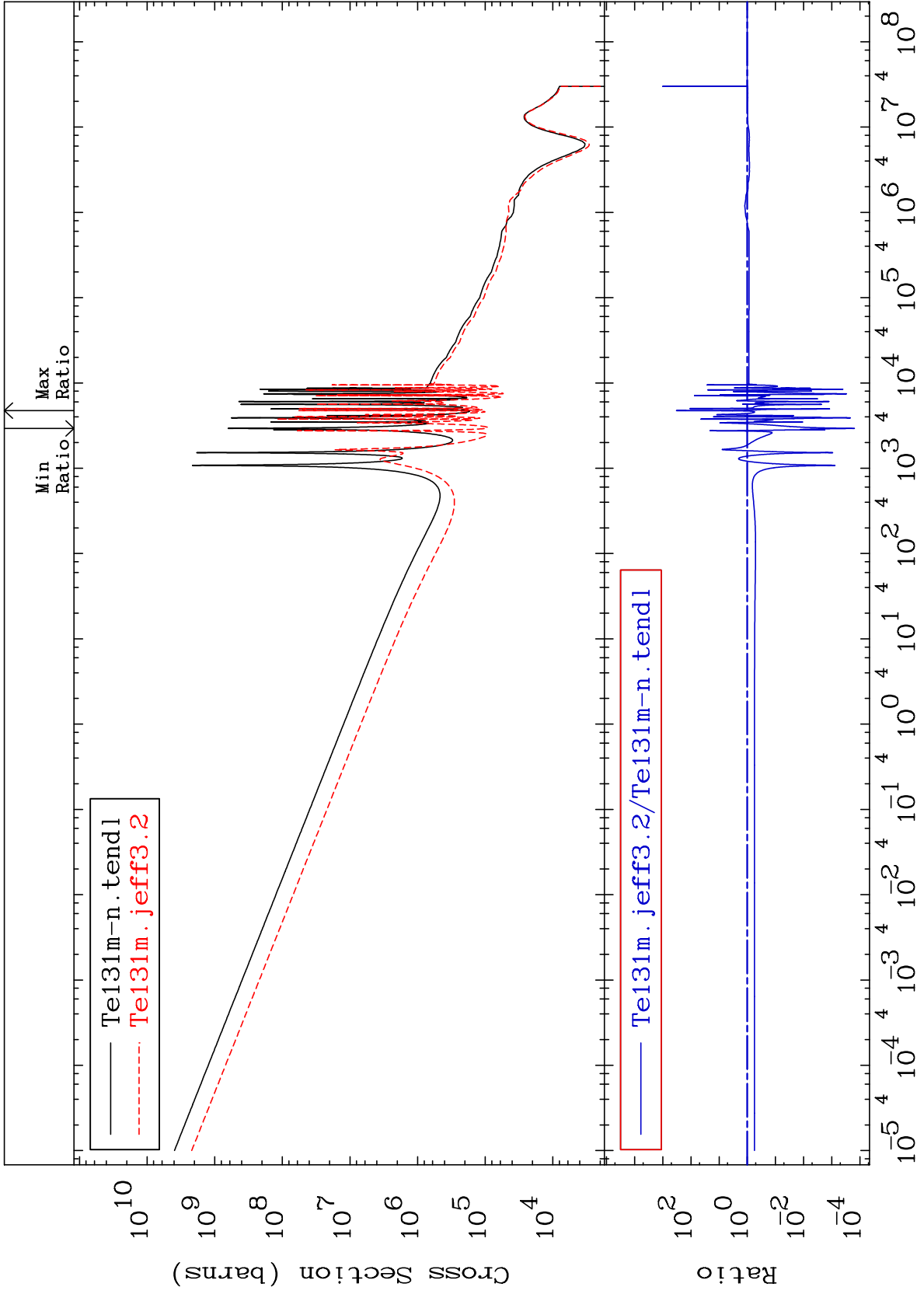
Incident Energy (eV)

52-Te-131

MAT 5259

Kerma capture (mt102)
Cross Section

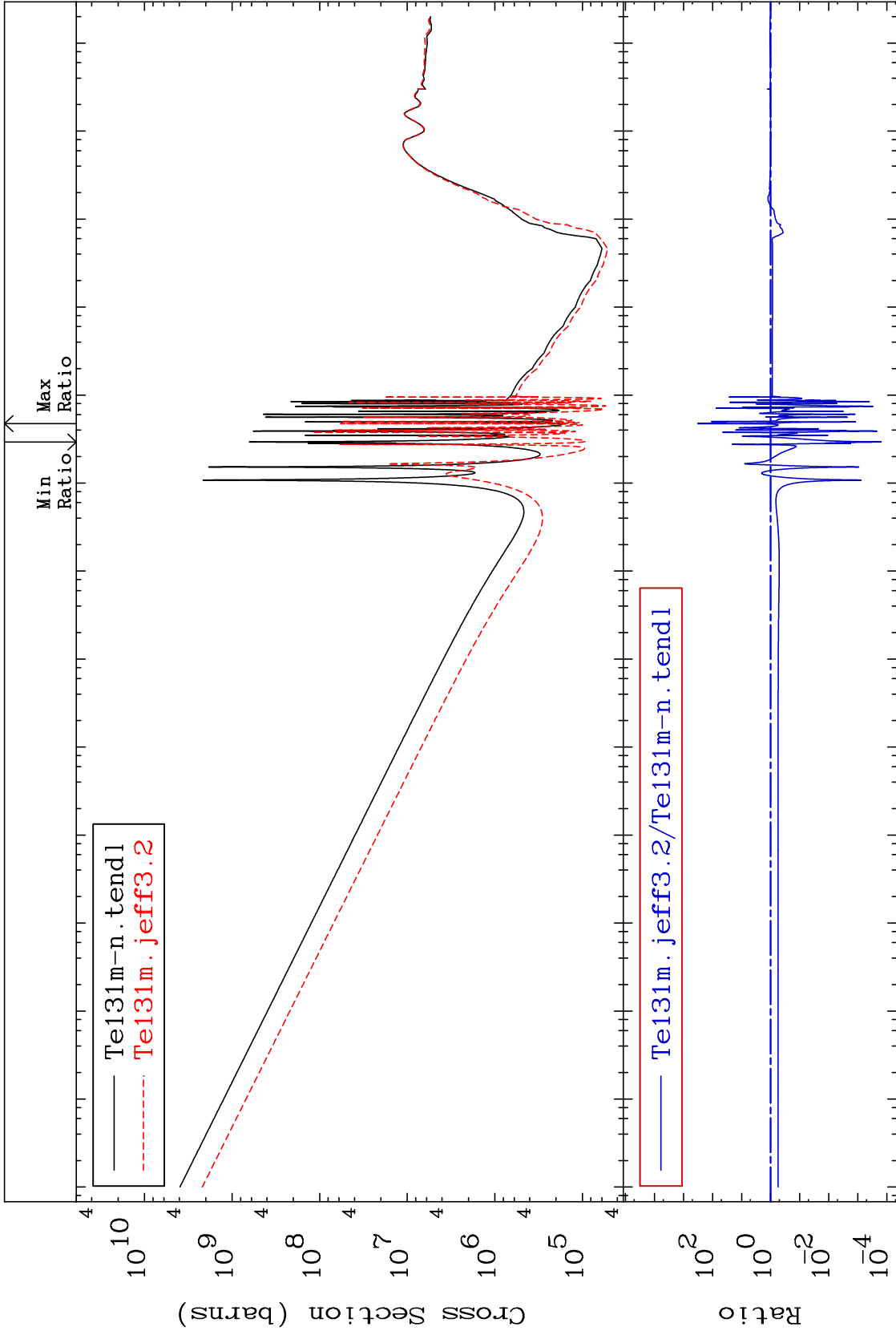
52-Te-131
-99.98 To 9999. %



MAT 5259

Total photon (eV-barns)
Cross Section

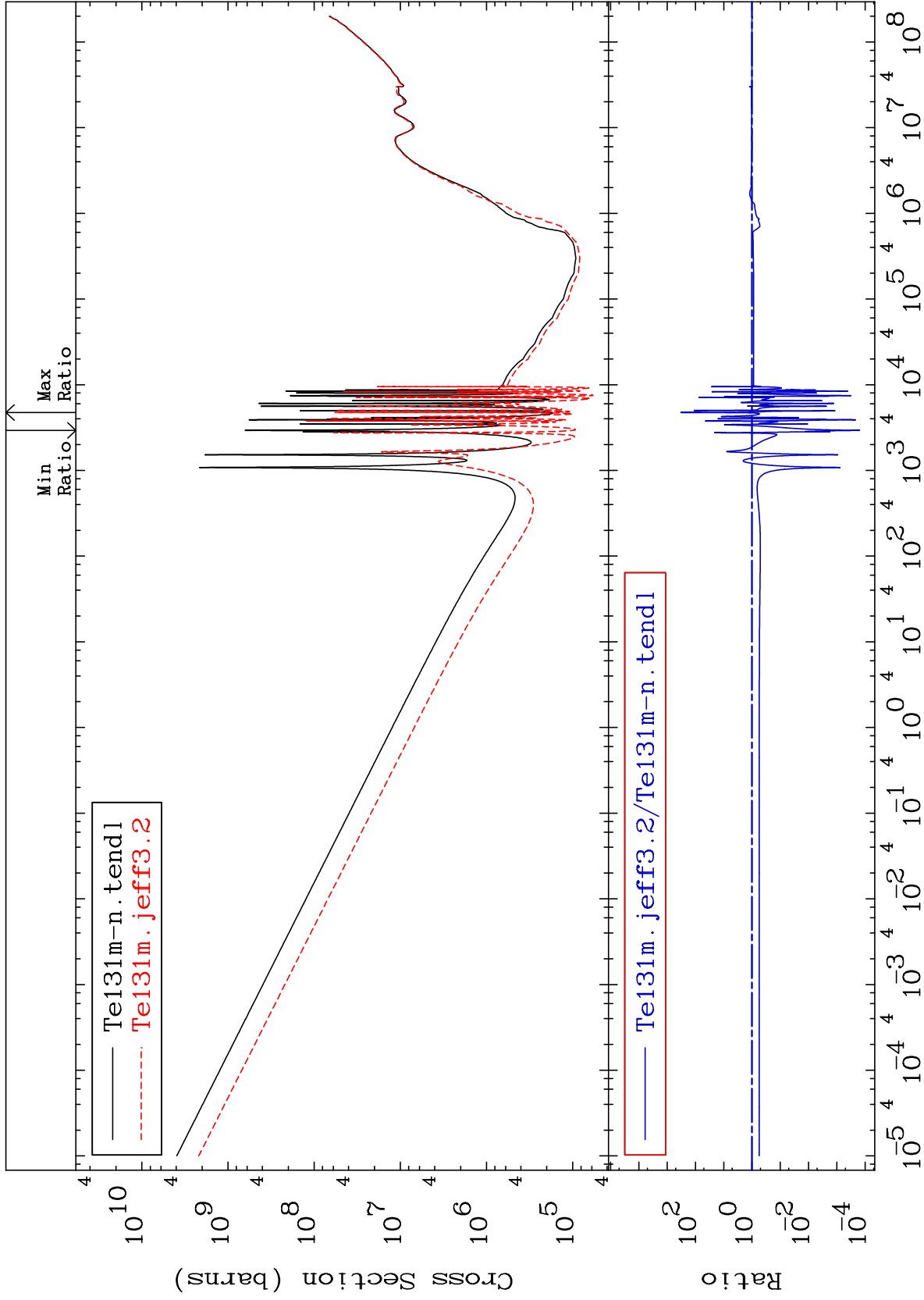
52-Te-131
-99.98 To 9999. %



69

Incident Energy (eV)

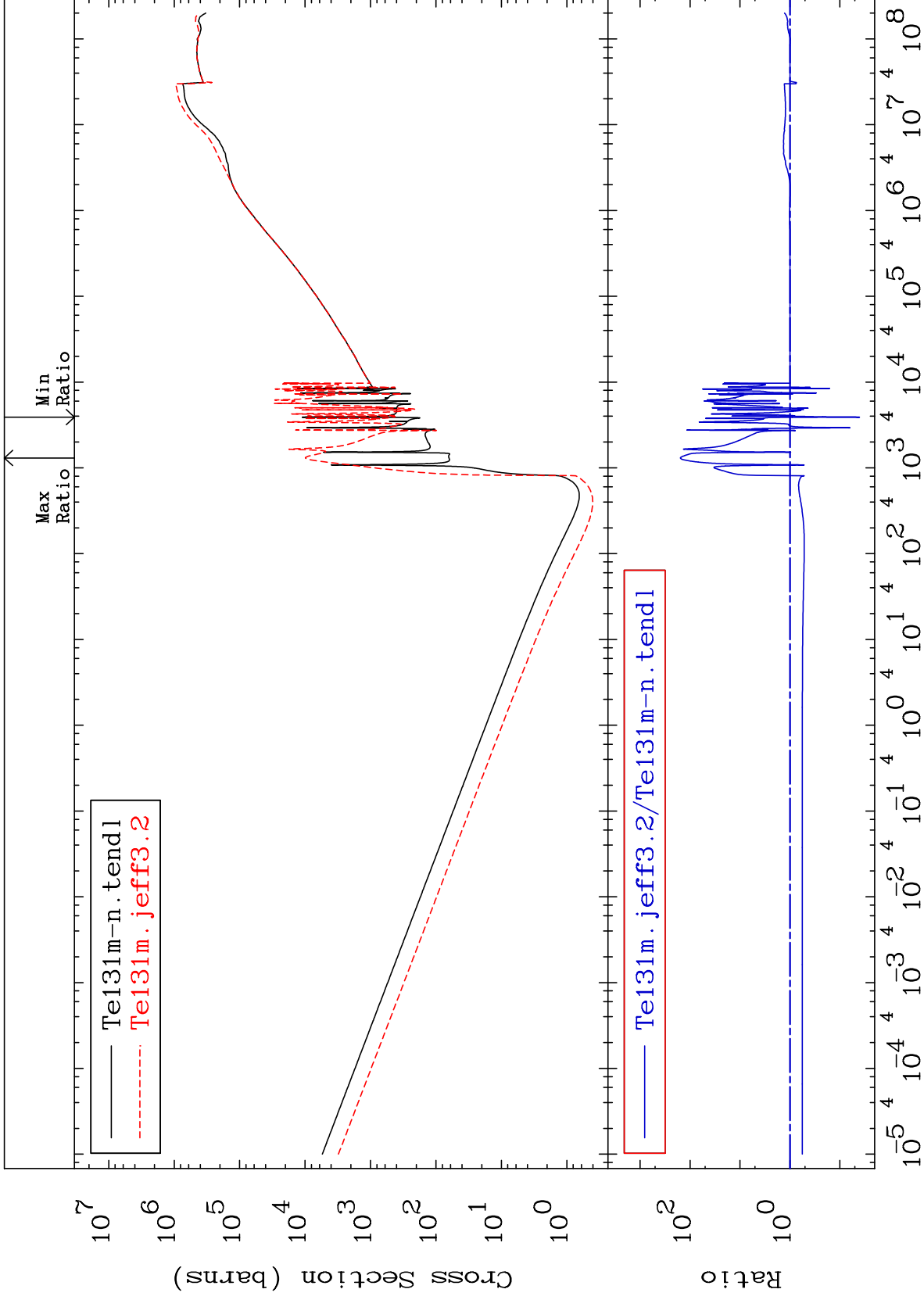
52-Te-131



MAT 5259

Dpa total (eV-barns)
Cross Section

52-Te-131
-95.94 To 9999. %



71

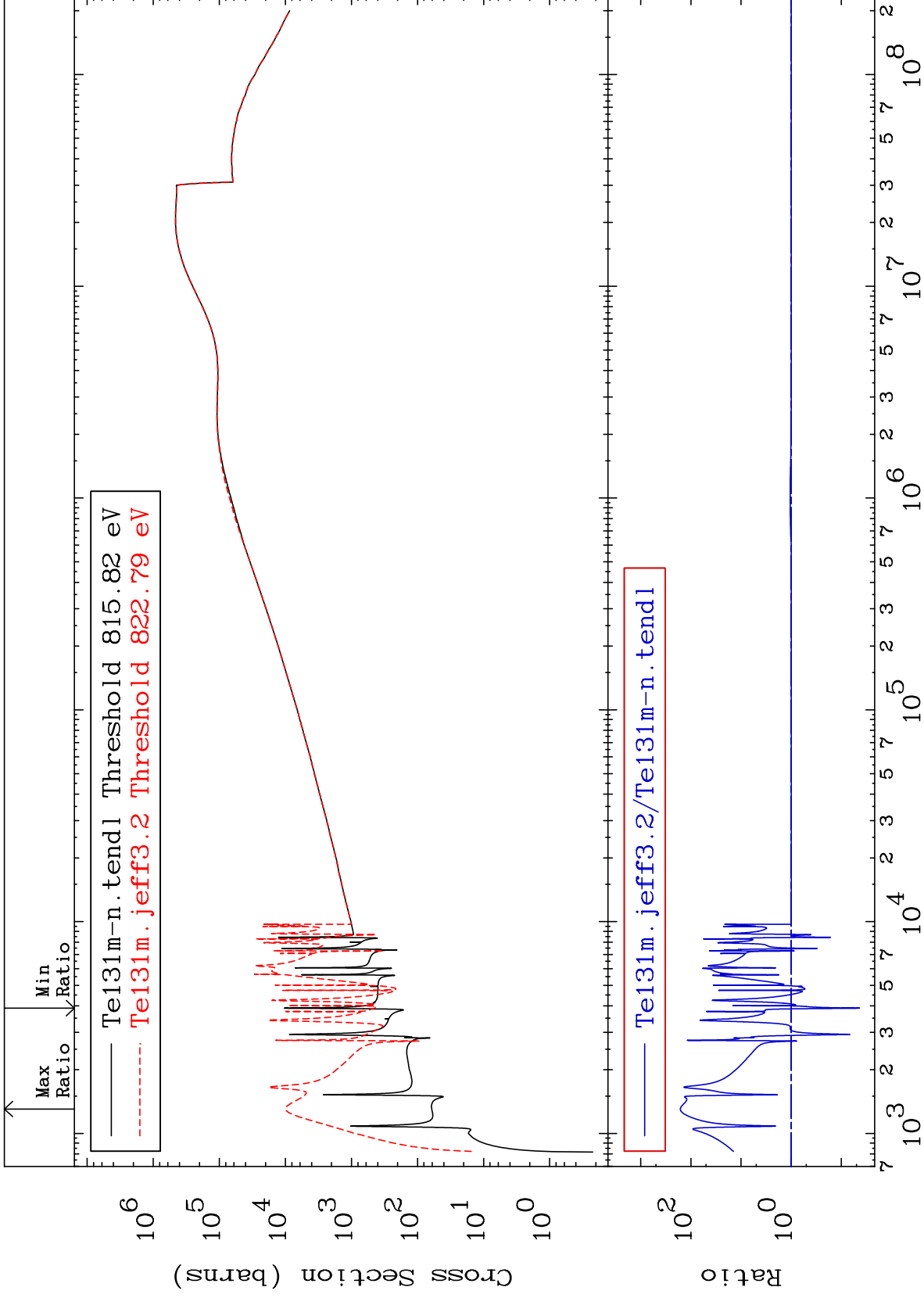
Incident Energy (eV)

52-Te-131

MAT 5259

Dpa elastic (mt2)
Cross Section

52-Te-131
-95.63 To 9999. %



72

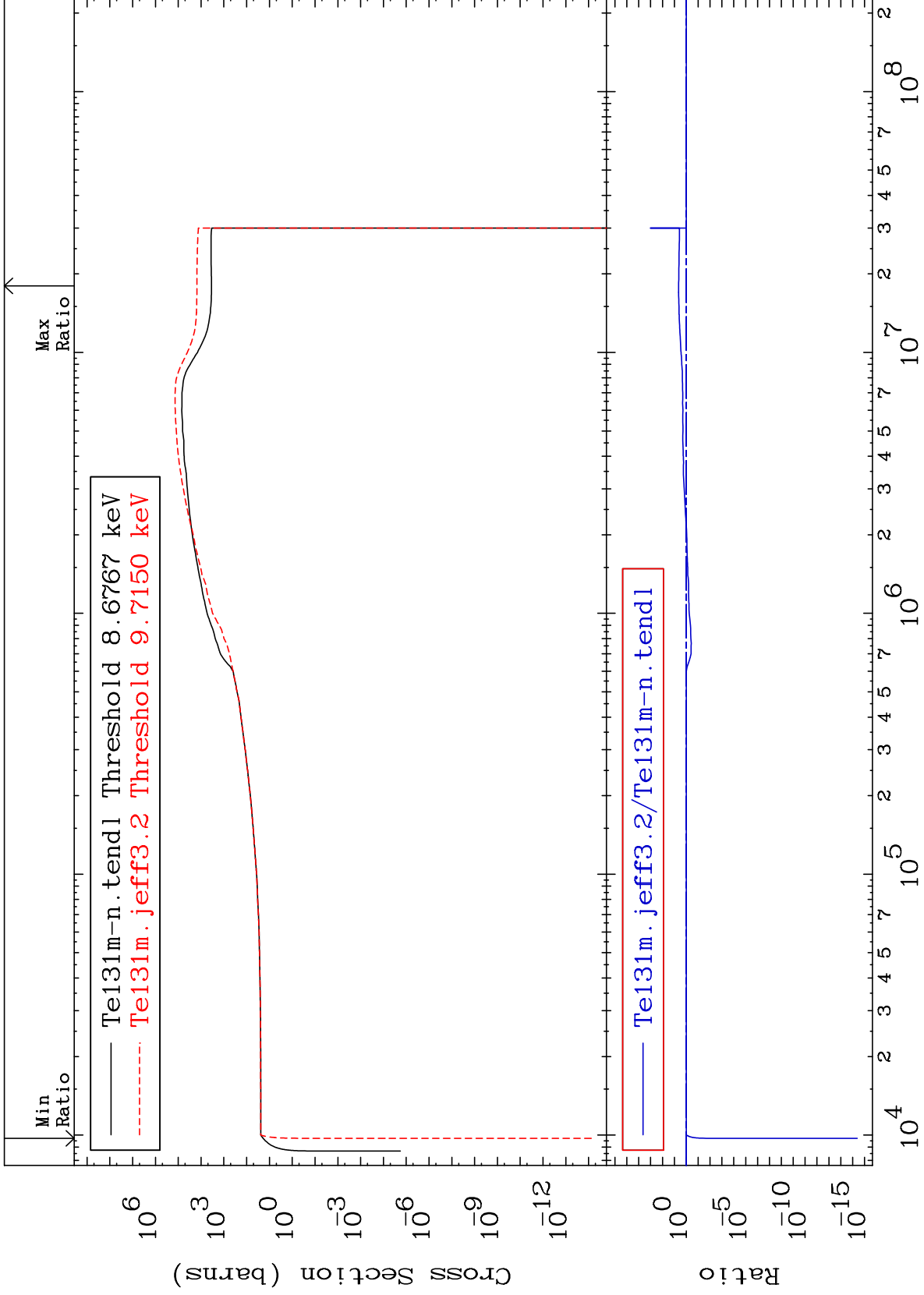
Incident Energy (eV)

52-Te-131

MAT 5259

Dpa inelastic (mt51-91)
Cross Section

52-Te-131
-100.0 To 338.6 %



73

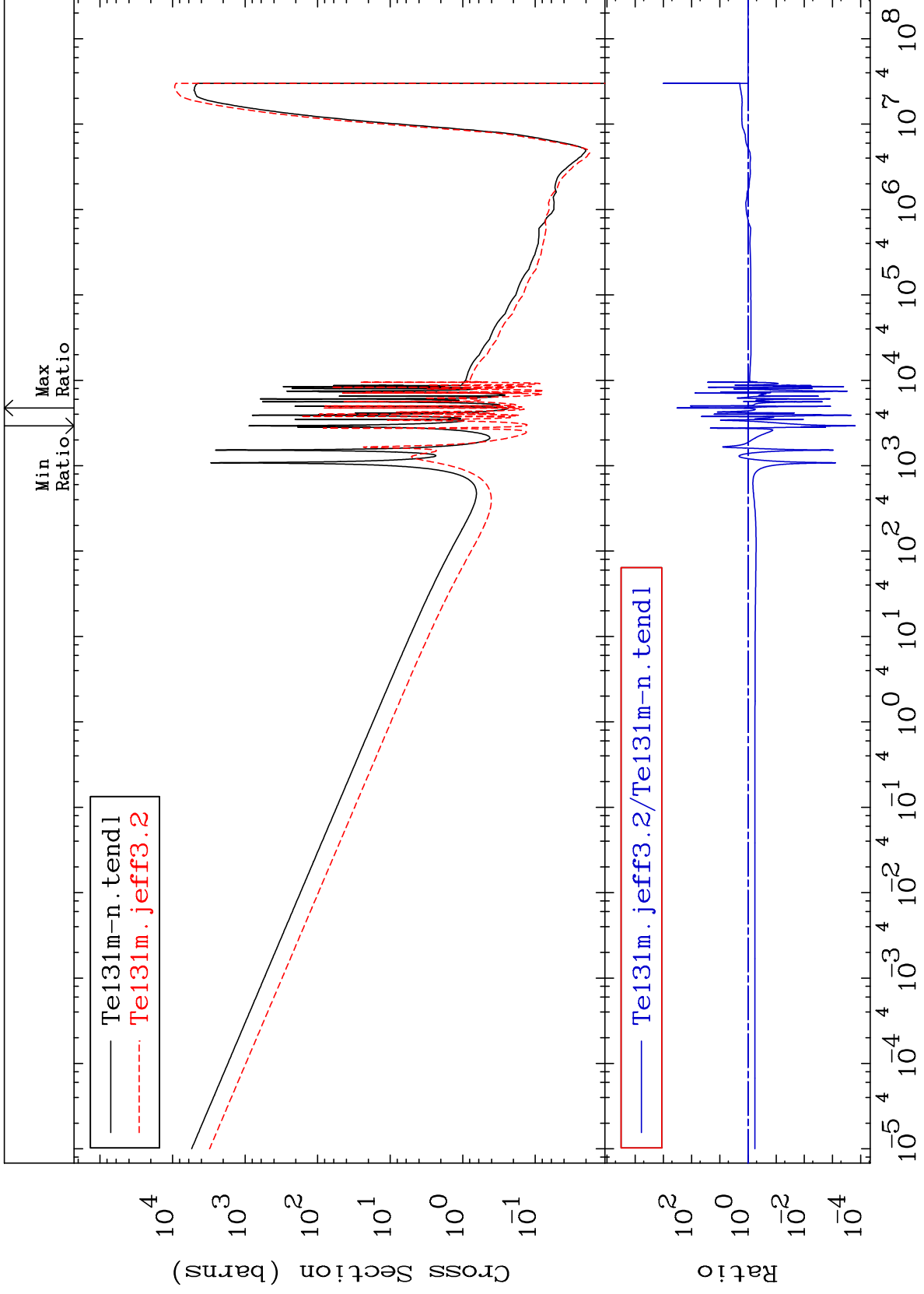
Incident Energy (eV)

52-Te-131

MAT 5259

Dpa disappearance (mt102 -120)
Cross Section

52-Te-131
-99.98 To 9999. %



74

Incident Energy (eV)

52-Te-131

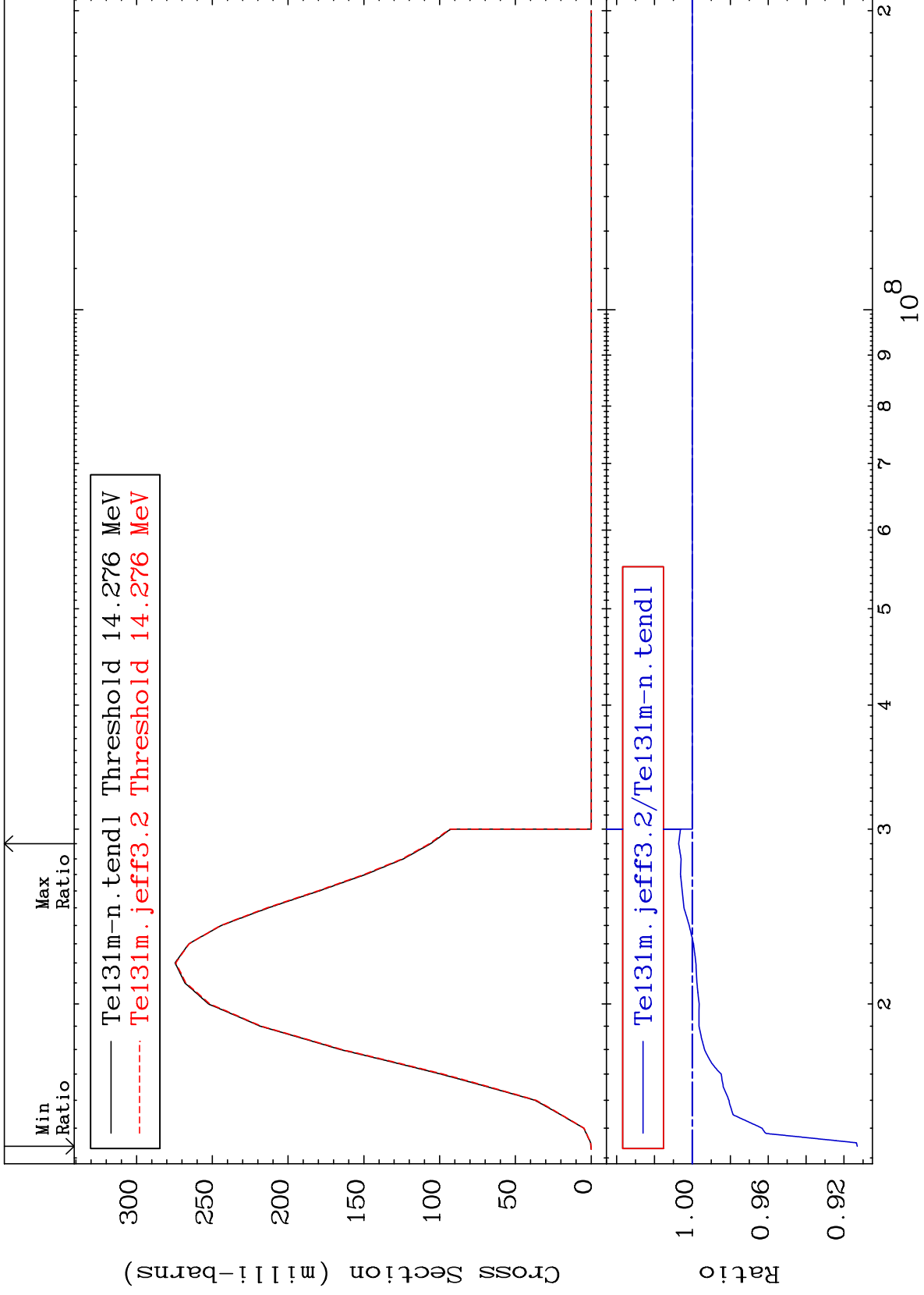
MAT 5259

(n,3n):52-Te-129g

52-Te-131

Radionuclide Production Cross Section

-8.697 To 0.725 %

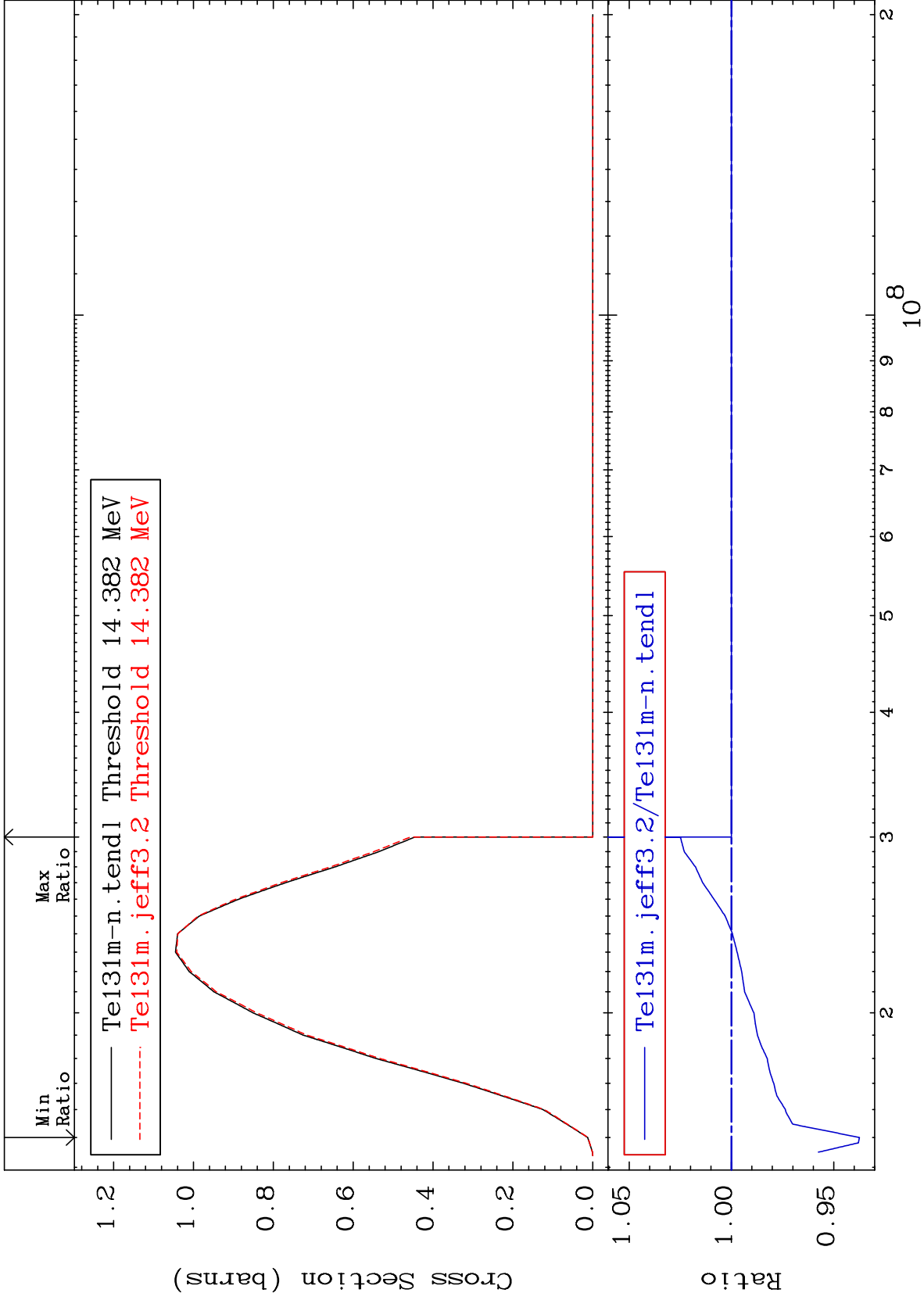


75

Incident Energy (eV)

52-Te-131

Radionuclide Production Cross Section -6.256 To 2.497 %

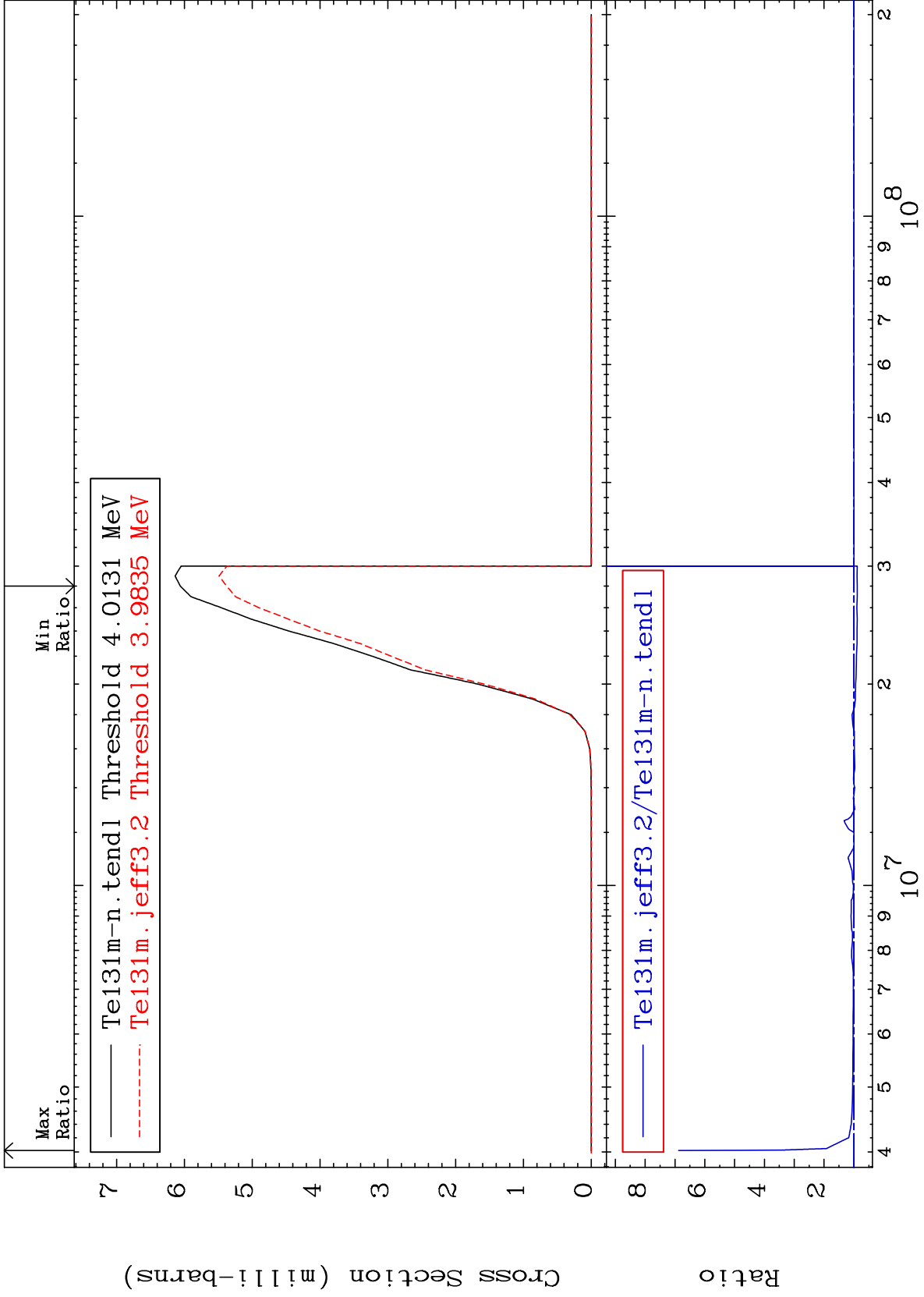


MAT 5259

(n, n') α :50-Sn-127g

52-Te-131

Radionuclide Production Cross Section -11.28 To 587.7 %



77

Incident Energy (eV)

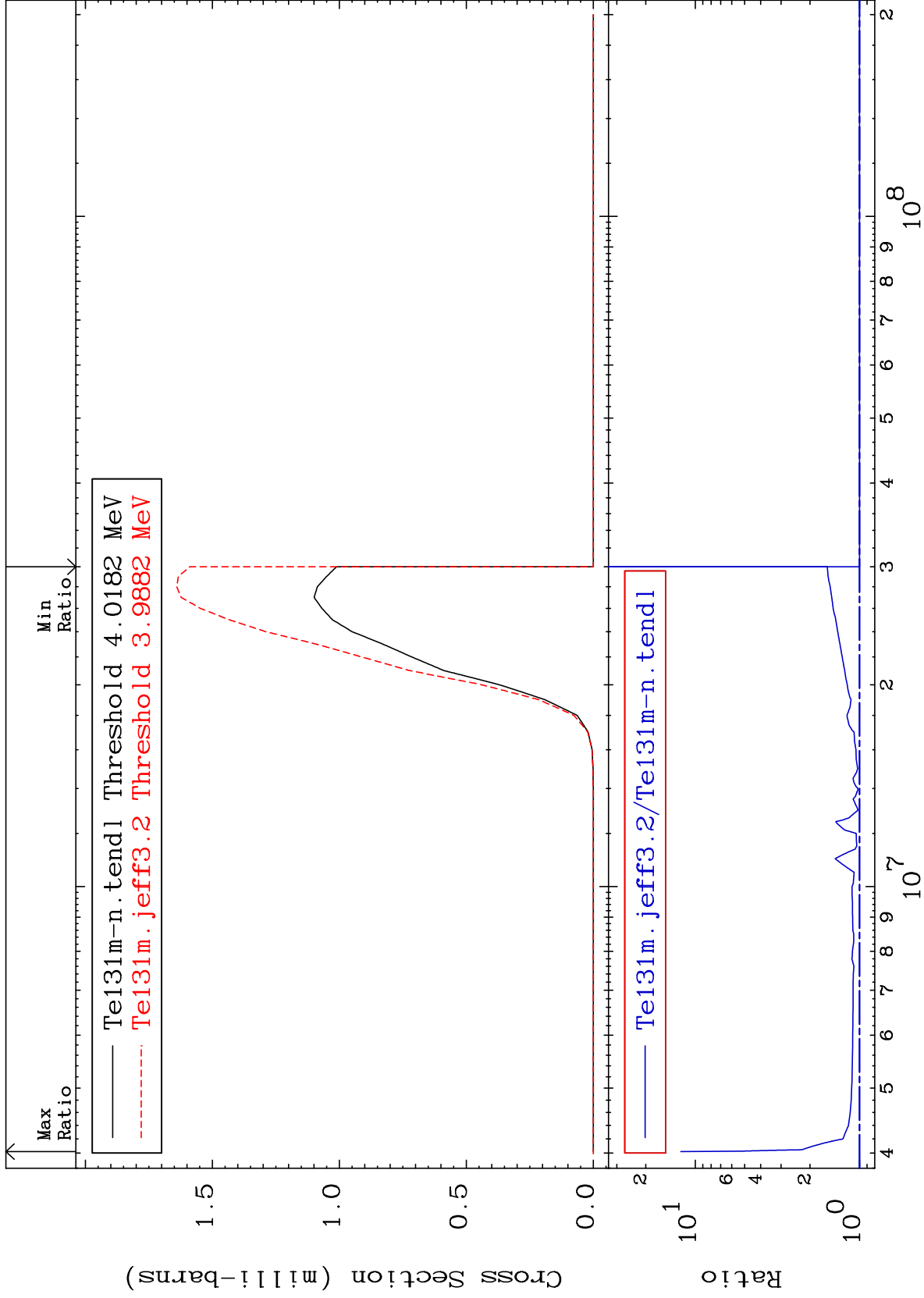
52-Te-131

MAT 5259

(n, n') α :50-Sn-127m1

52-Te-131

Radionuclide Production Cross Section 0.000 To 1125. %

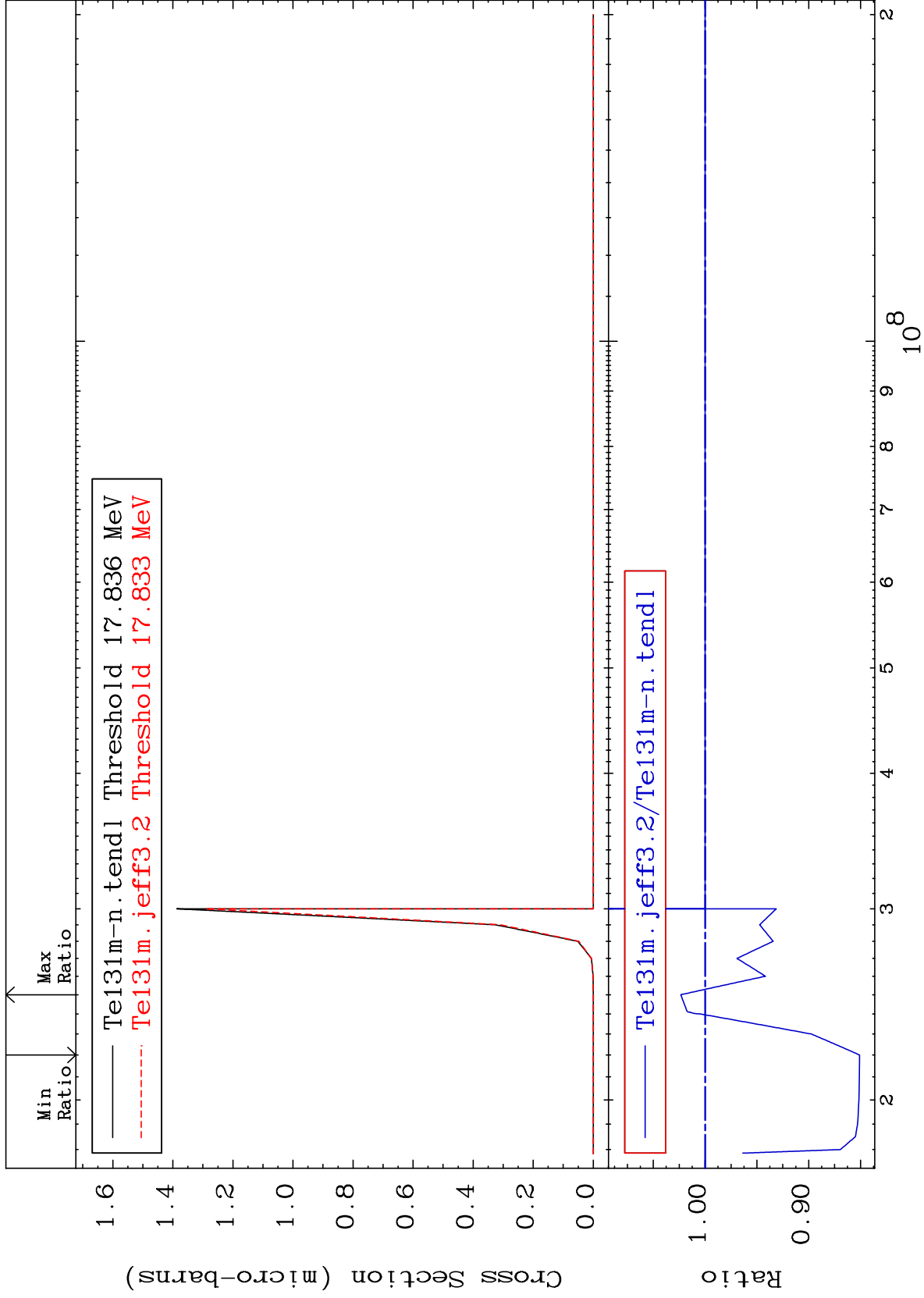


78

Incident Energy (eV)

52-Te-131

Radionuclide Production Cross Section -14.91 To 2.349 %

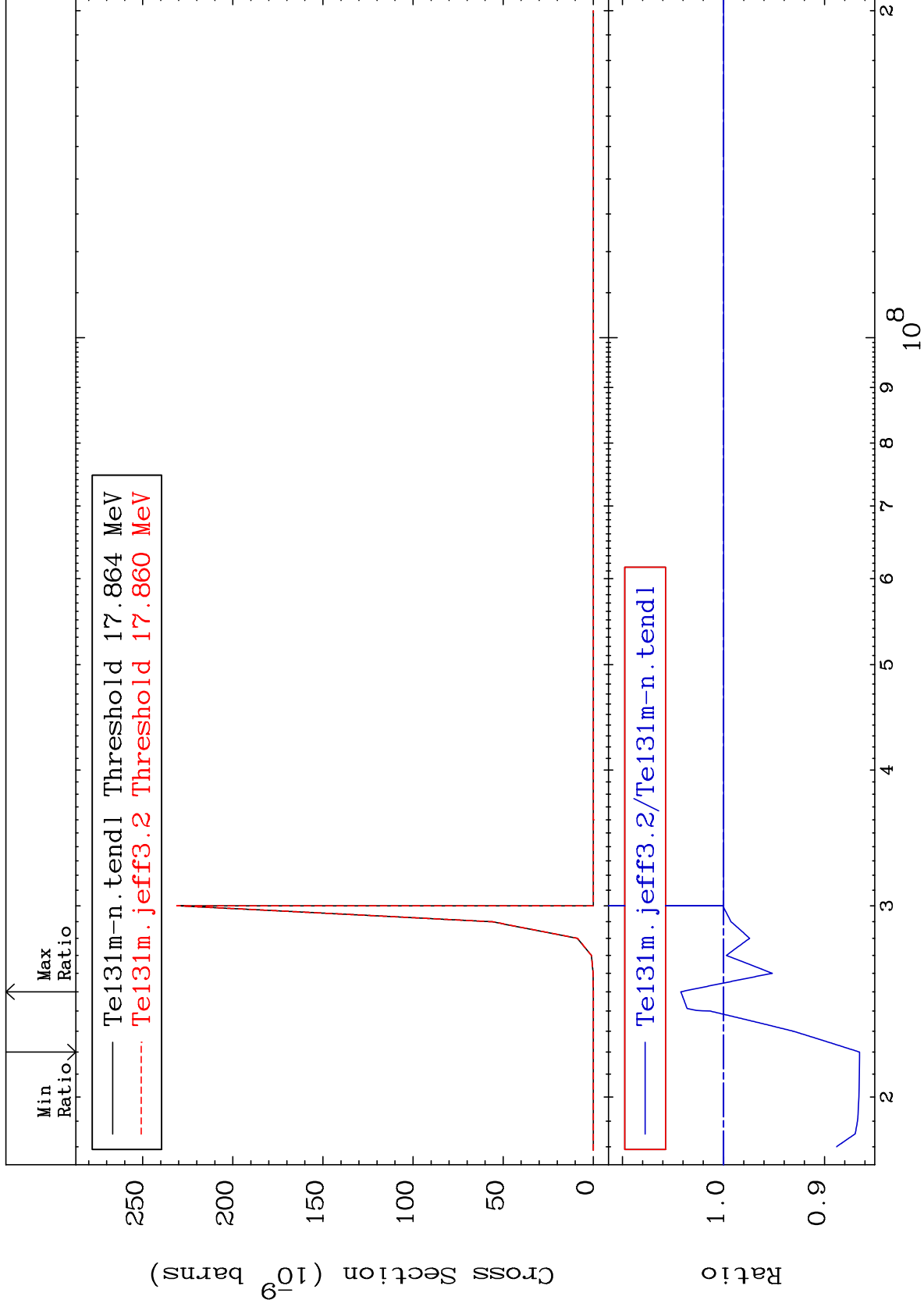


MAT 5259

(n,3n) α :50-Sn-125m1

52-Te-131

Radionuclide Production Cross Section -13.46 To 4.230 %



80

Incident Energy (eV)

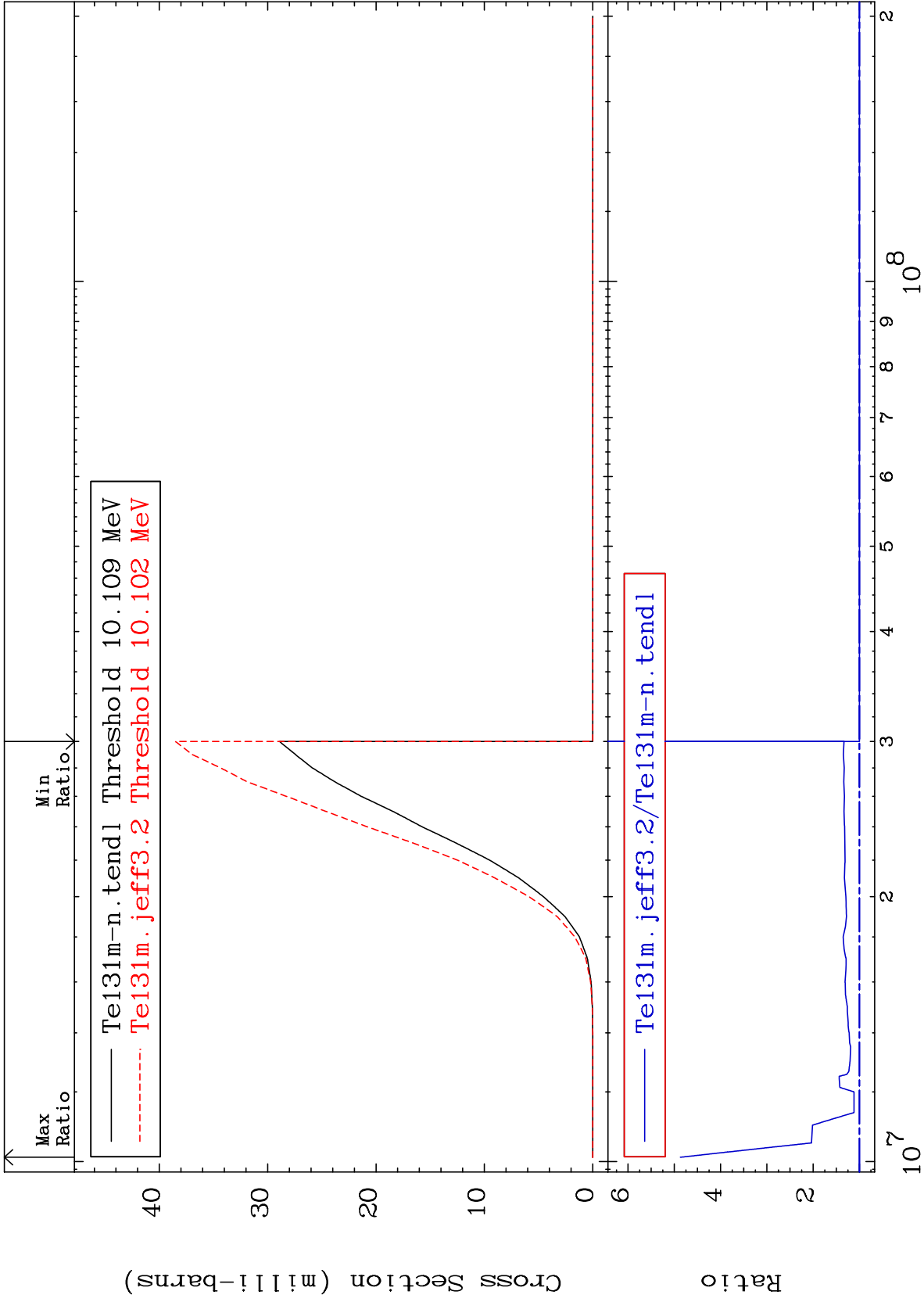
52-Te-131

MAT 5259

(n, n') p:51-Sb-130g

52-Te-131

Radionuclide Production Cross Section 0.000 To 387.0 %



81

Incident Energy (eV)

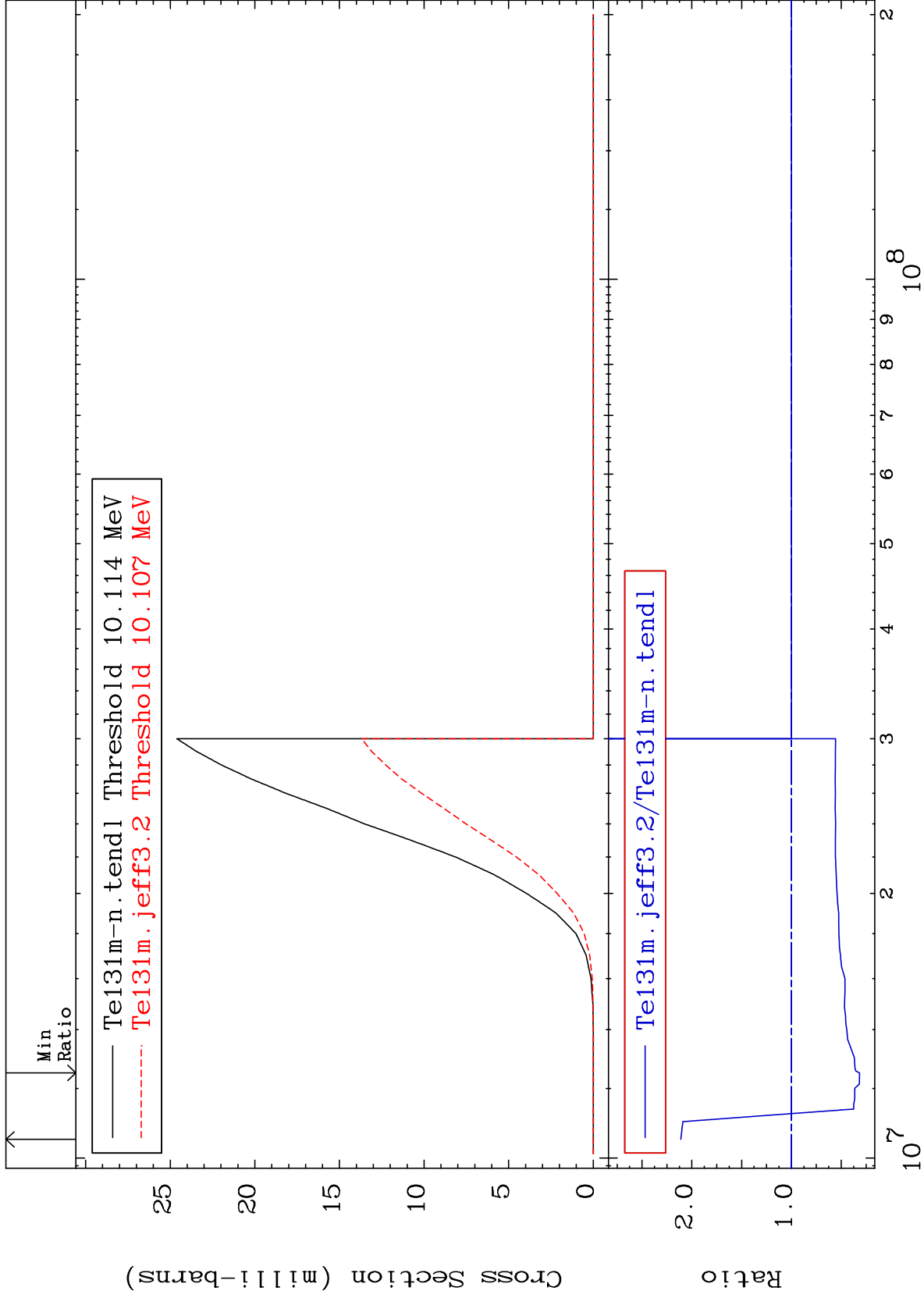
52-Te-131

MAT 5259

(n, n') p:51-Sb-130m1

52-Te-131

Radionuclide Production Cross Section -68.40 To 111.1 %

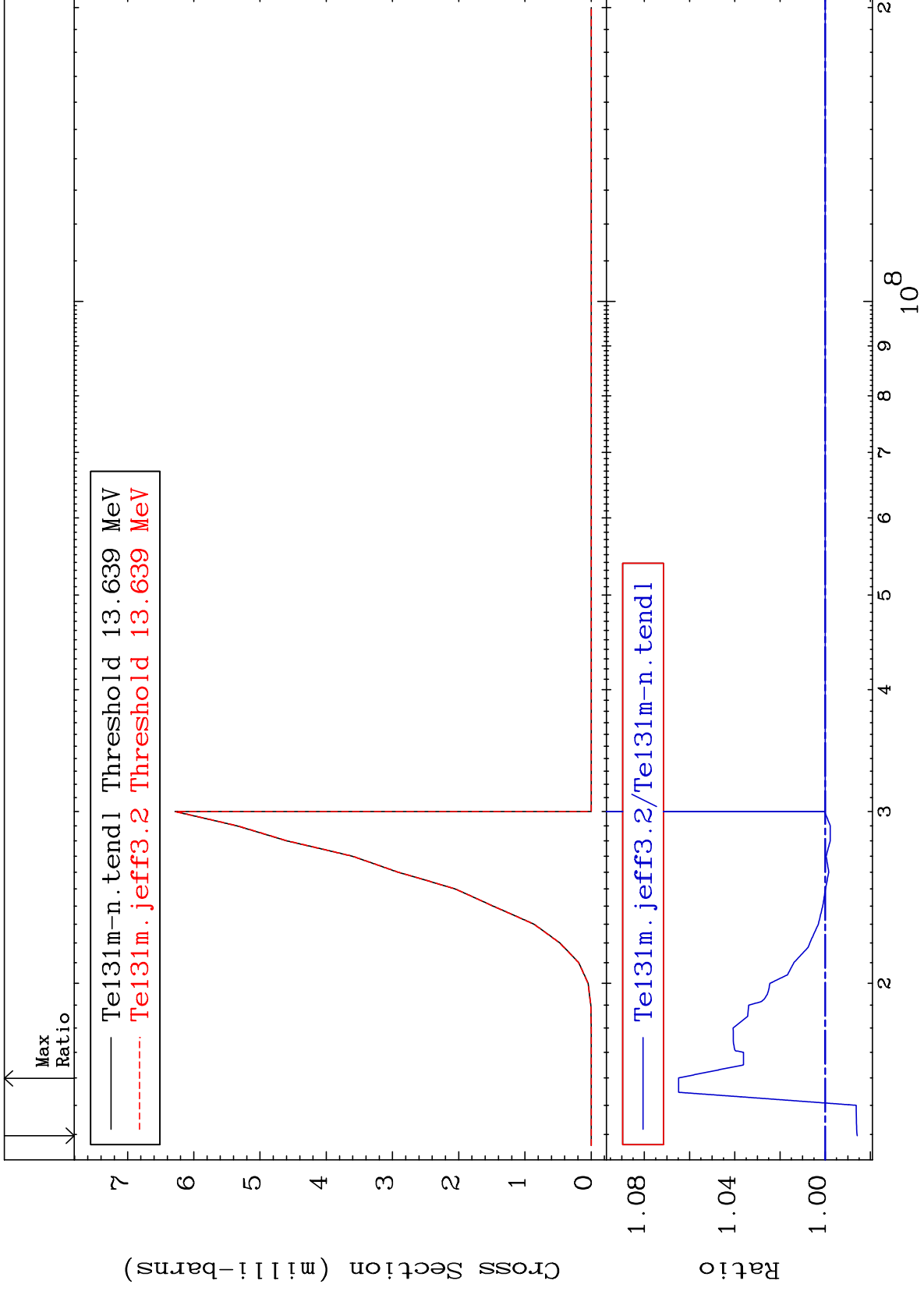


82

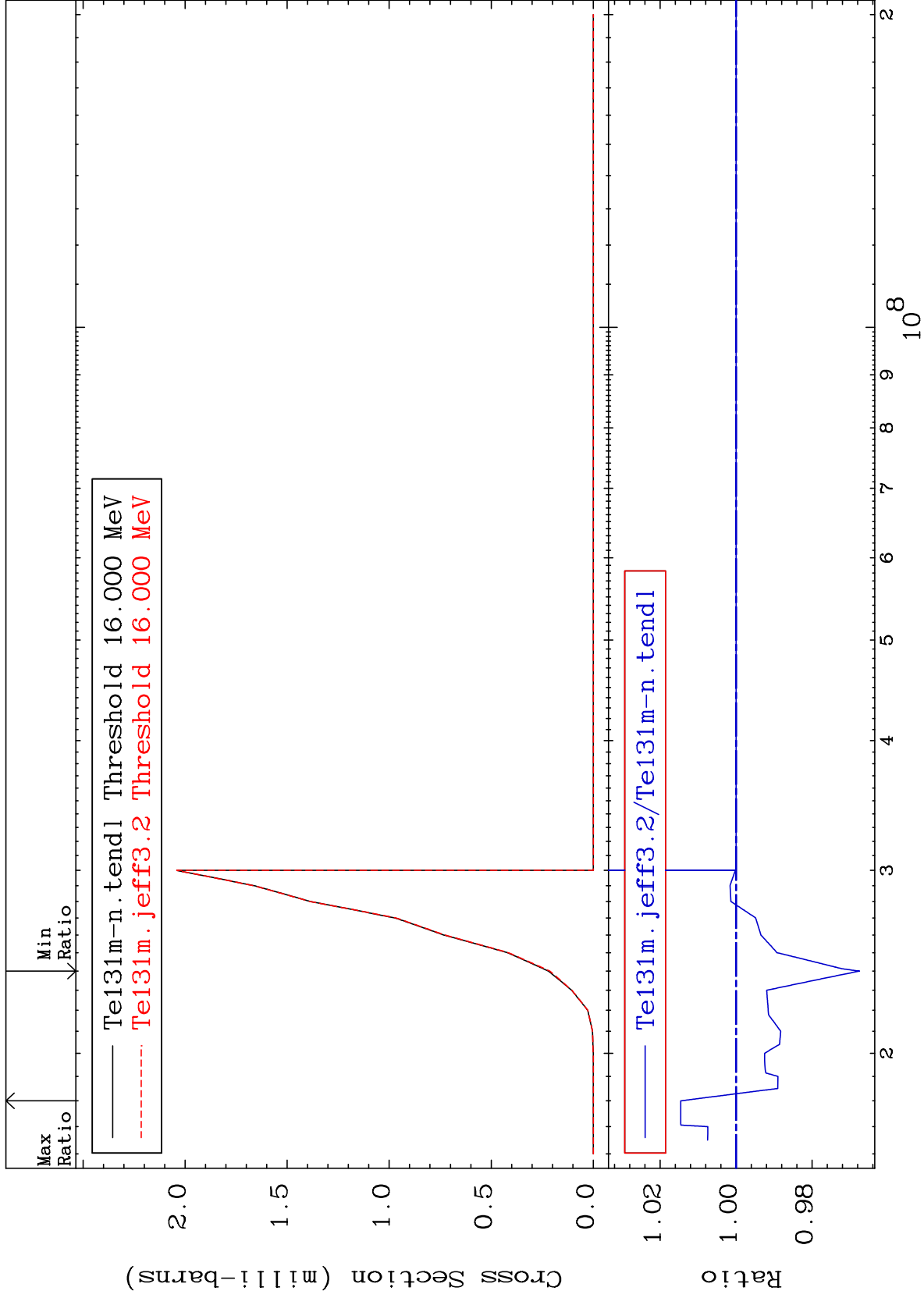
Incident Energy (eV)

52-Te-131

Radionuclide Production Cross Section -1.416 To 6.483 %

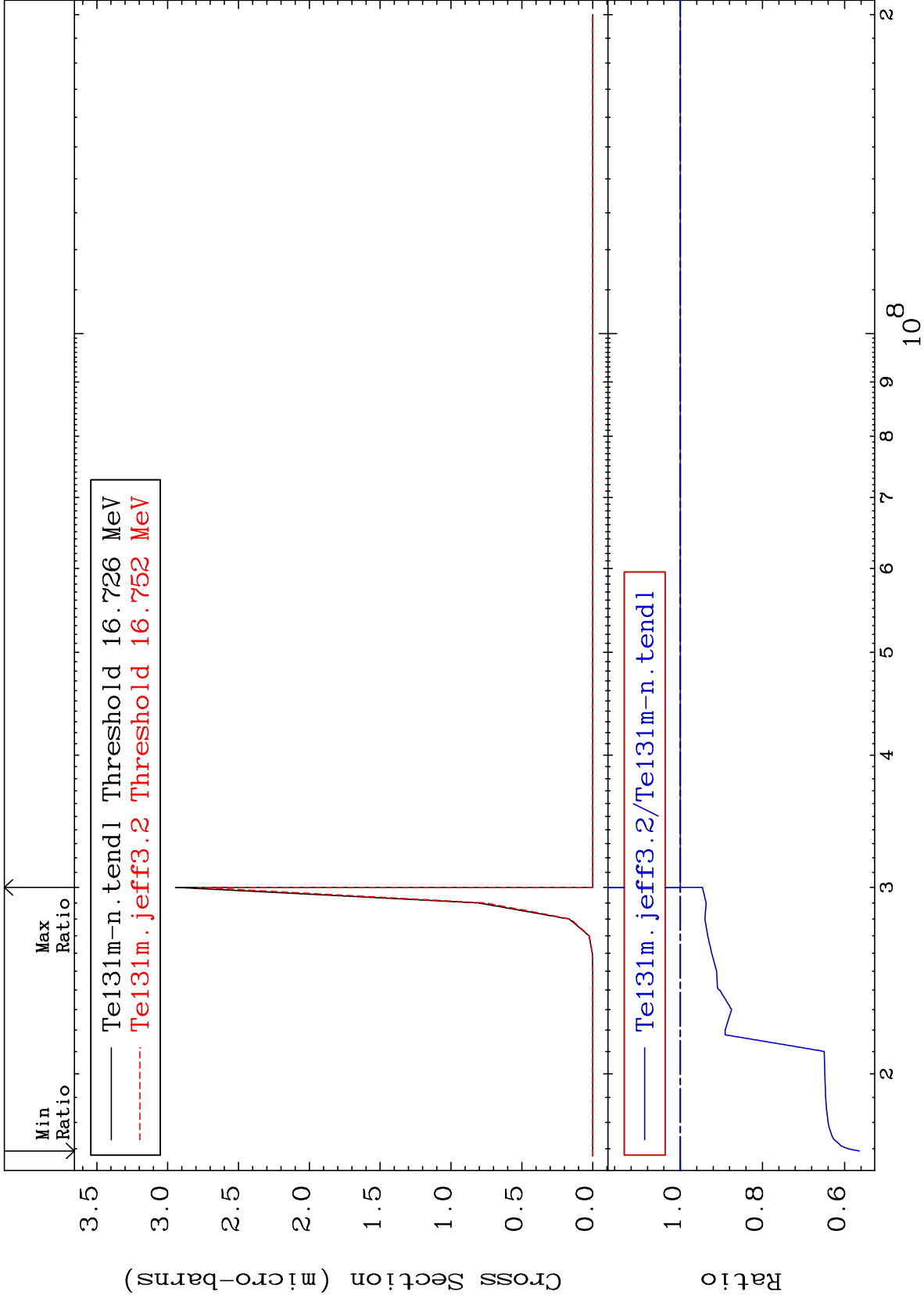


Radionuclide Production Cross Section -3.250 To 1.458 %



MAT 5259

(n, n') He-3:50-Sn-128g 52-Te-131
Radionuclide Production Cross Section -43.62 To 0.000 %



85

Incident Energy (eV)

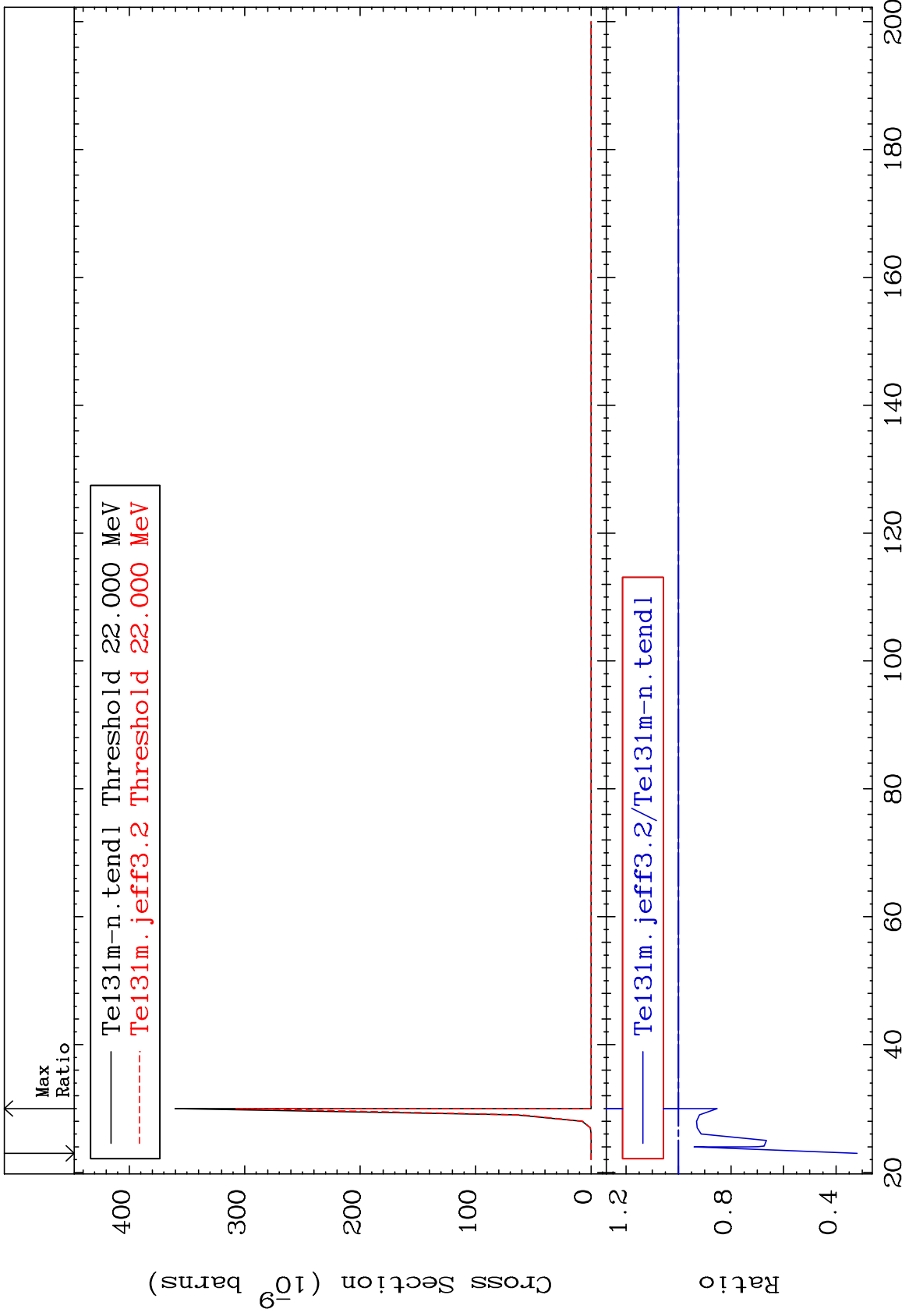
52-Te-131

MAT 5259

(n, n') He-3:50-Sn-128m3

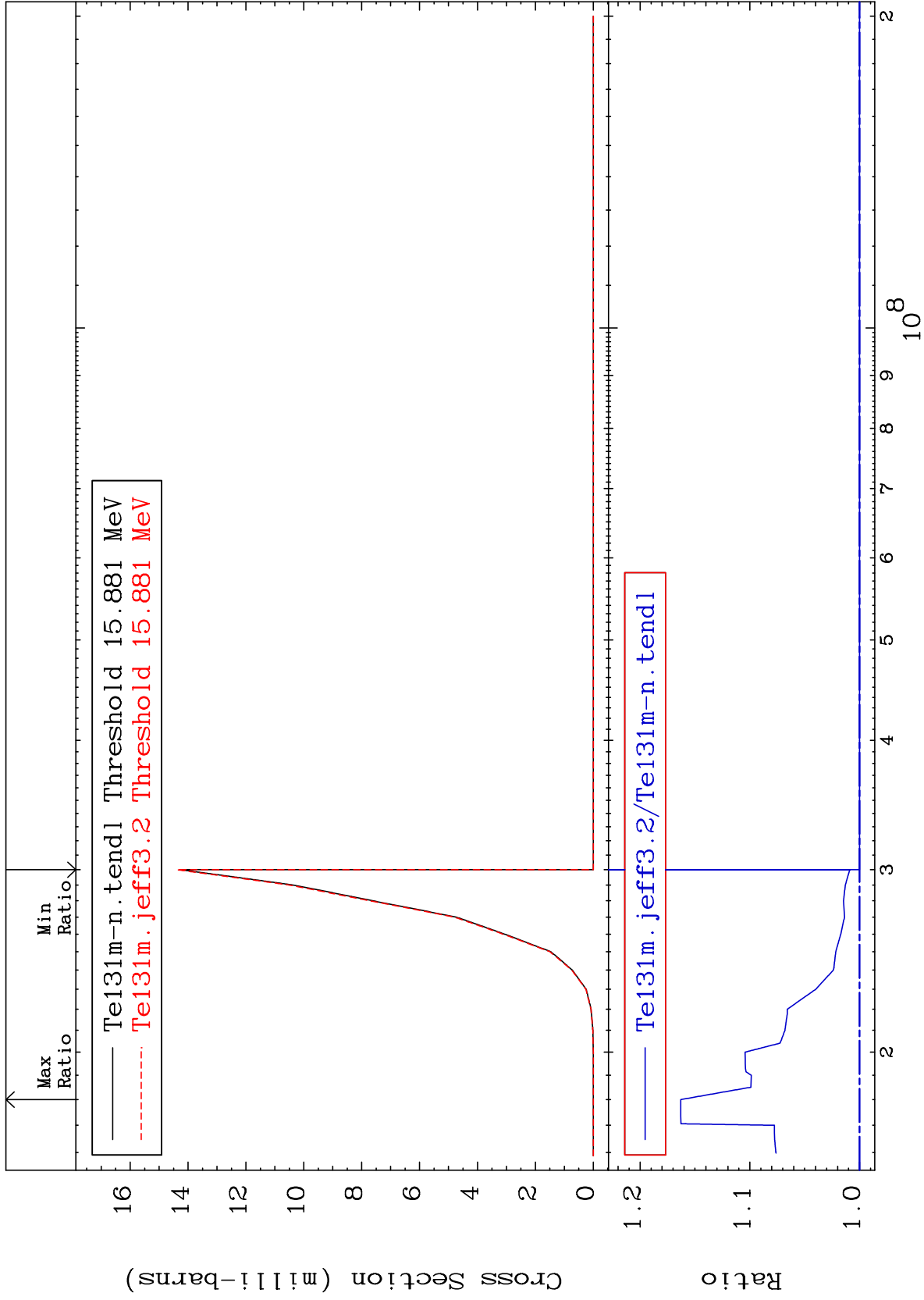
52-Te-131

Radionuclide Production Cross Section -68.03 To 0.000 %



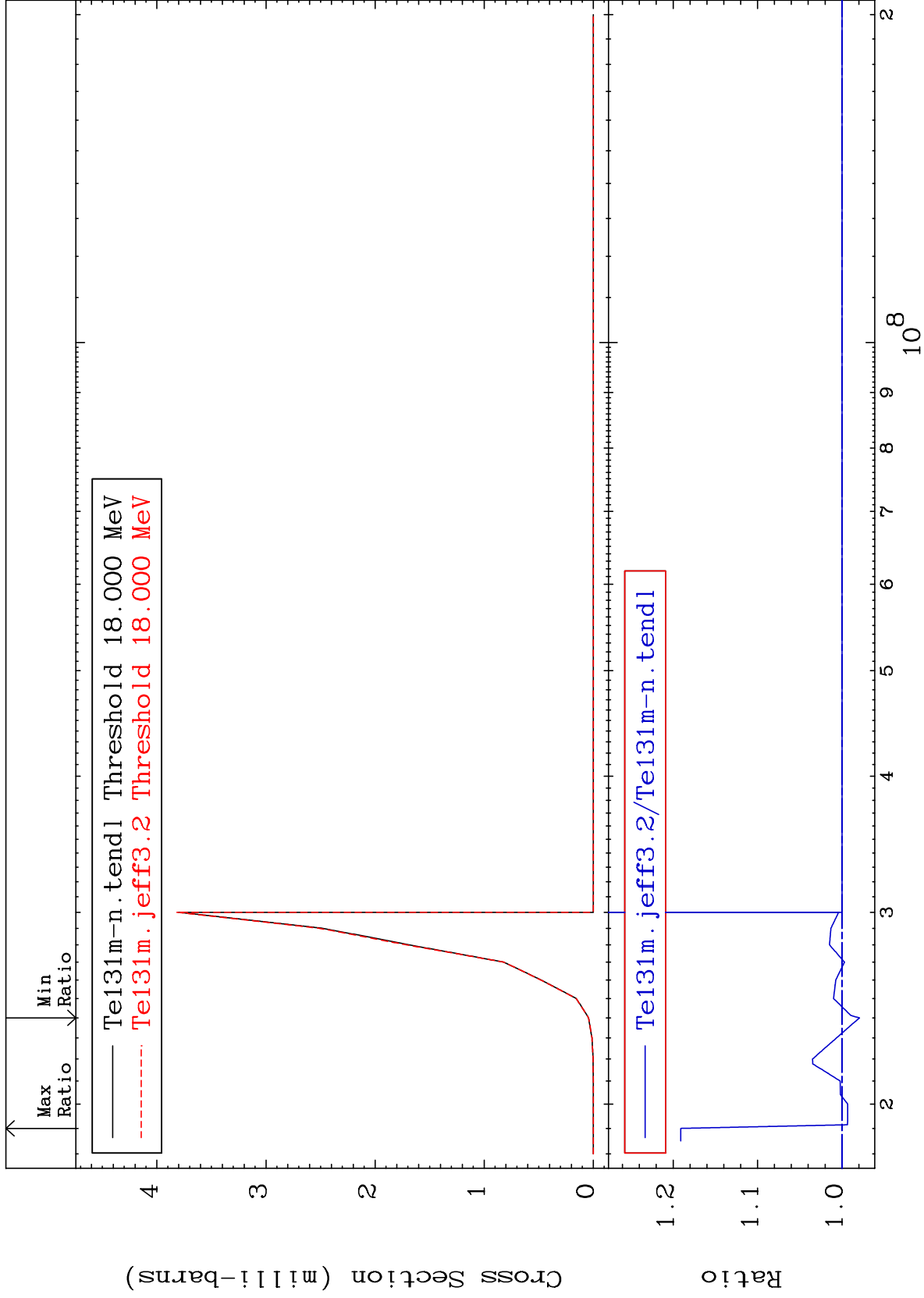
MAT 5259

(n,2n) p:51-Sb-129g 52-Te-131
Radionuclide Production Cross Section 0.000 To 16.29 %



87

52-Te-131

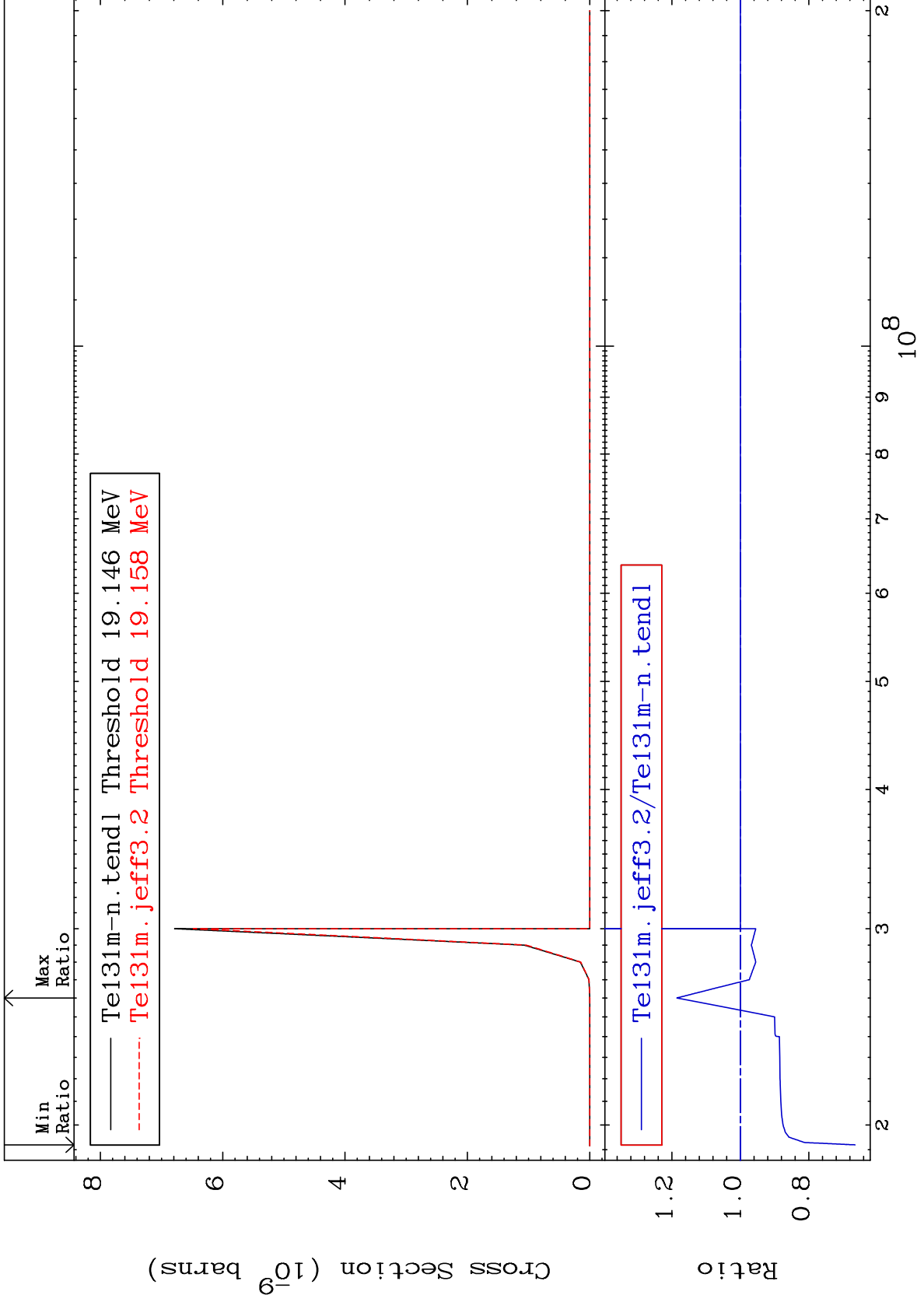


MAT 5259

(n,2n) p:50-Sn-129g

52-Te-131

Radionuclide Production Cross Section -33.53 To 18.54 %



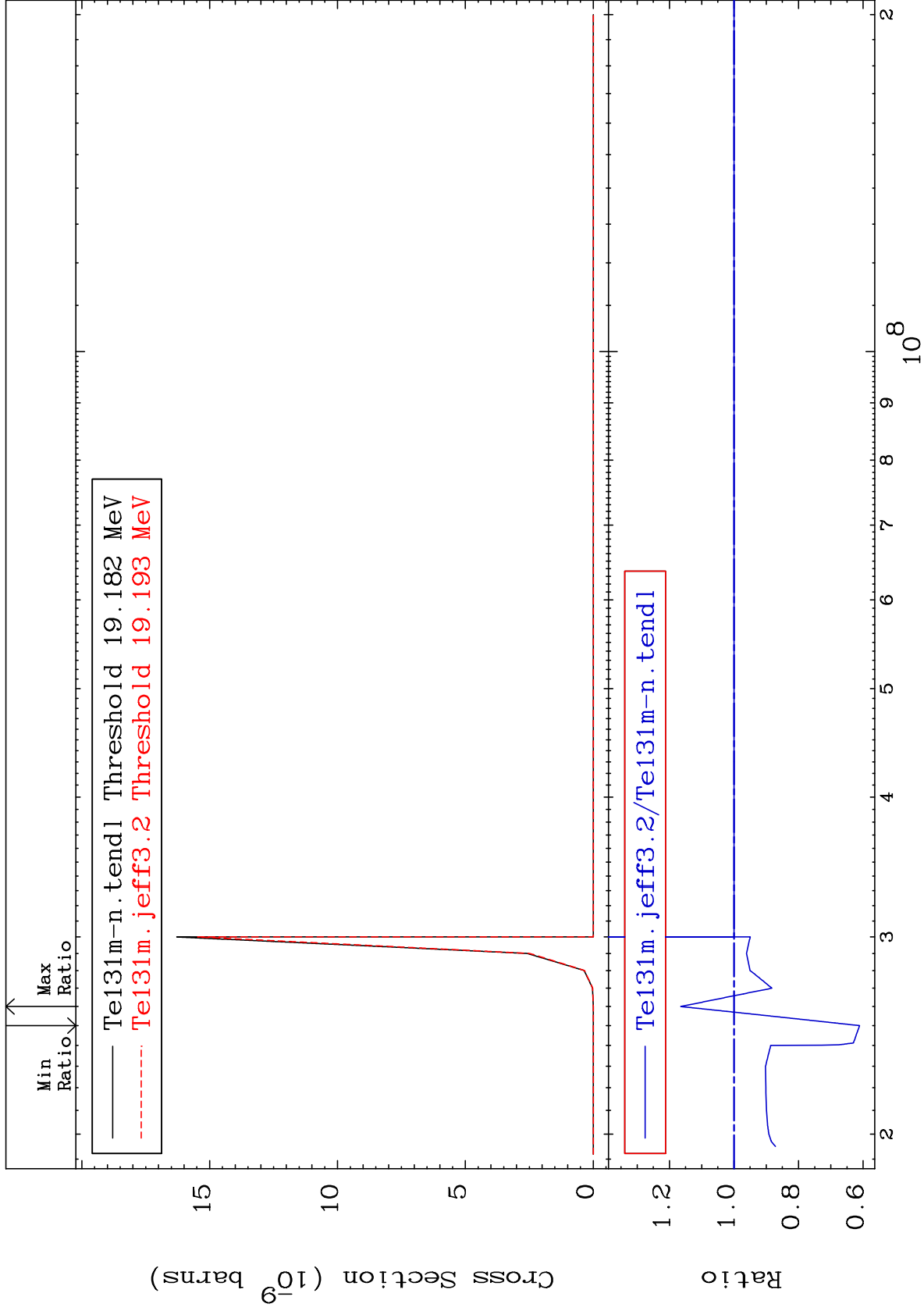
MAT 5259

(n,2n) p:50-Sn-129m1

52-Te-131

Radionuclide Production Cross Section

-38.89 To 16.48 %



90

Incident Energy (eV)

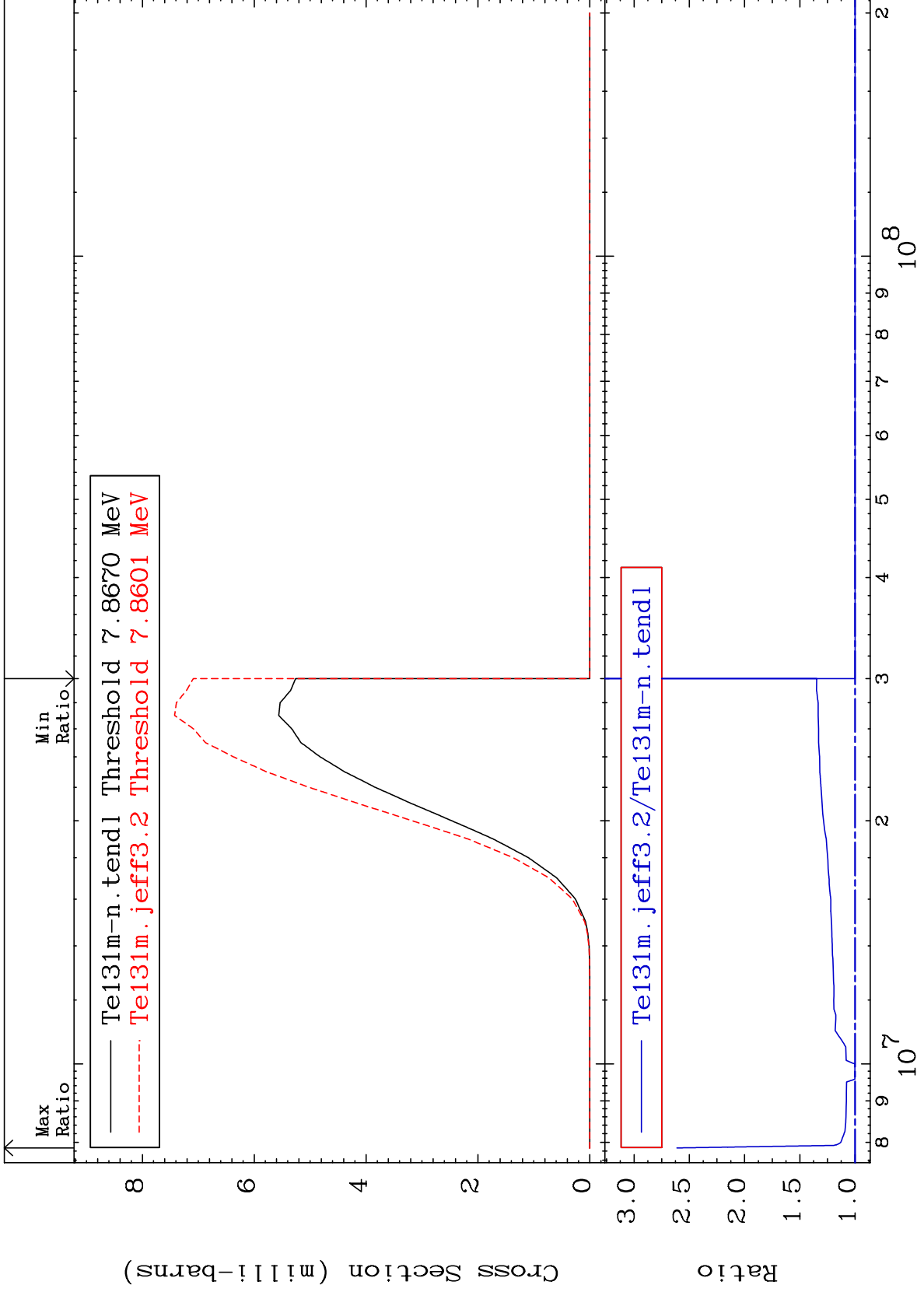
52-Te-131

MAT 5259

(n, d):51-Sb-130g

52-Te-131

Radionuclide Production Cross Section 0.000 To 161.2 %

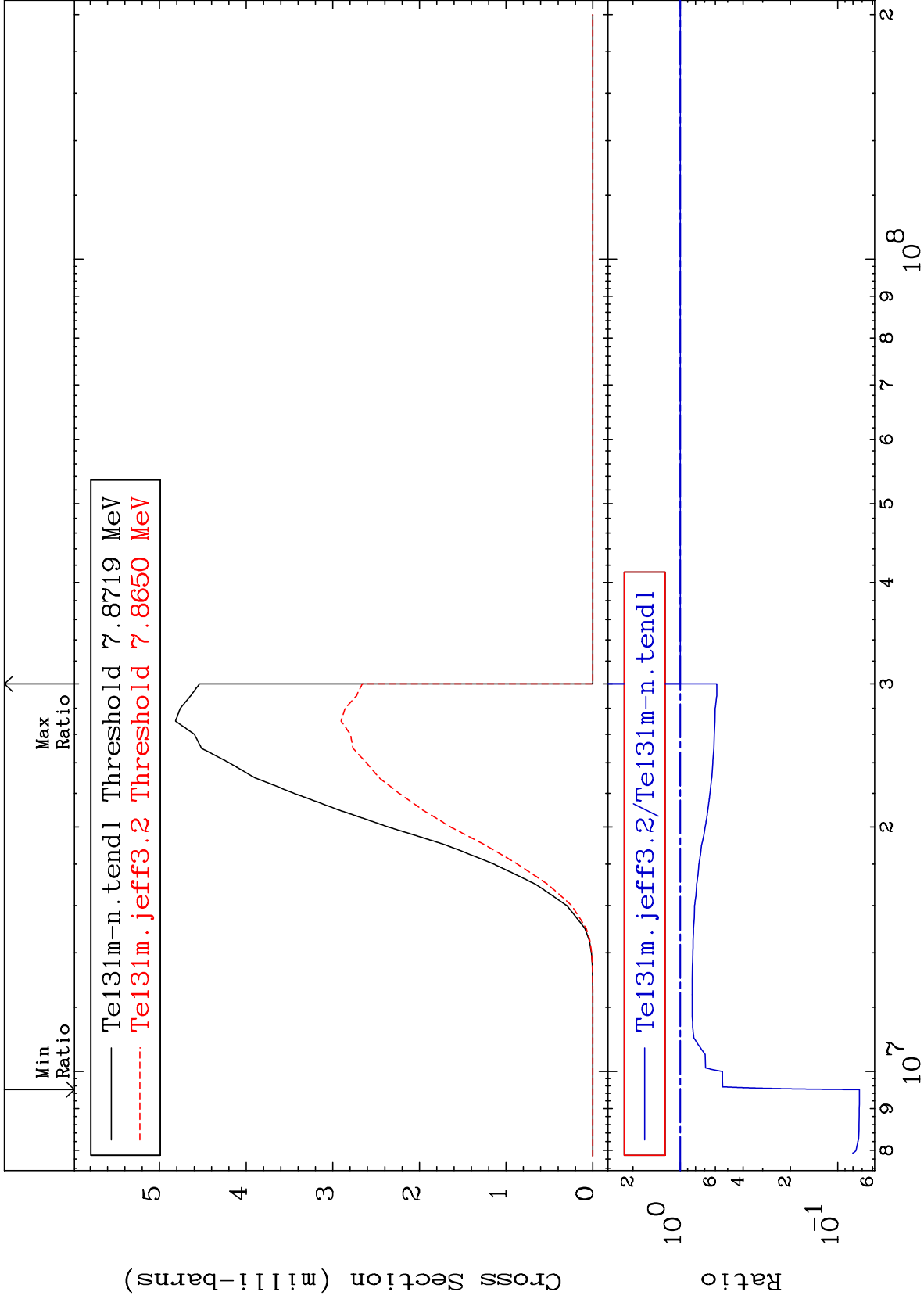


MAT 5259

(n, d) : 51-Sb-130m1

52-Te-131

Radionuclide Production Cross Section -92.72 To 0.000 %



92

Incident Energy (eV)

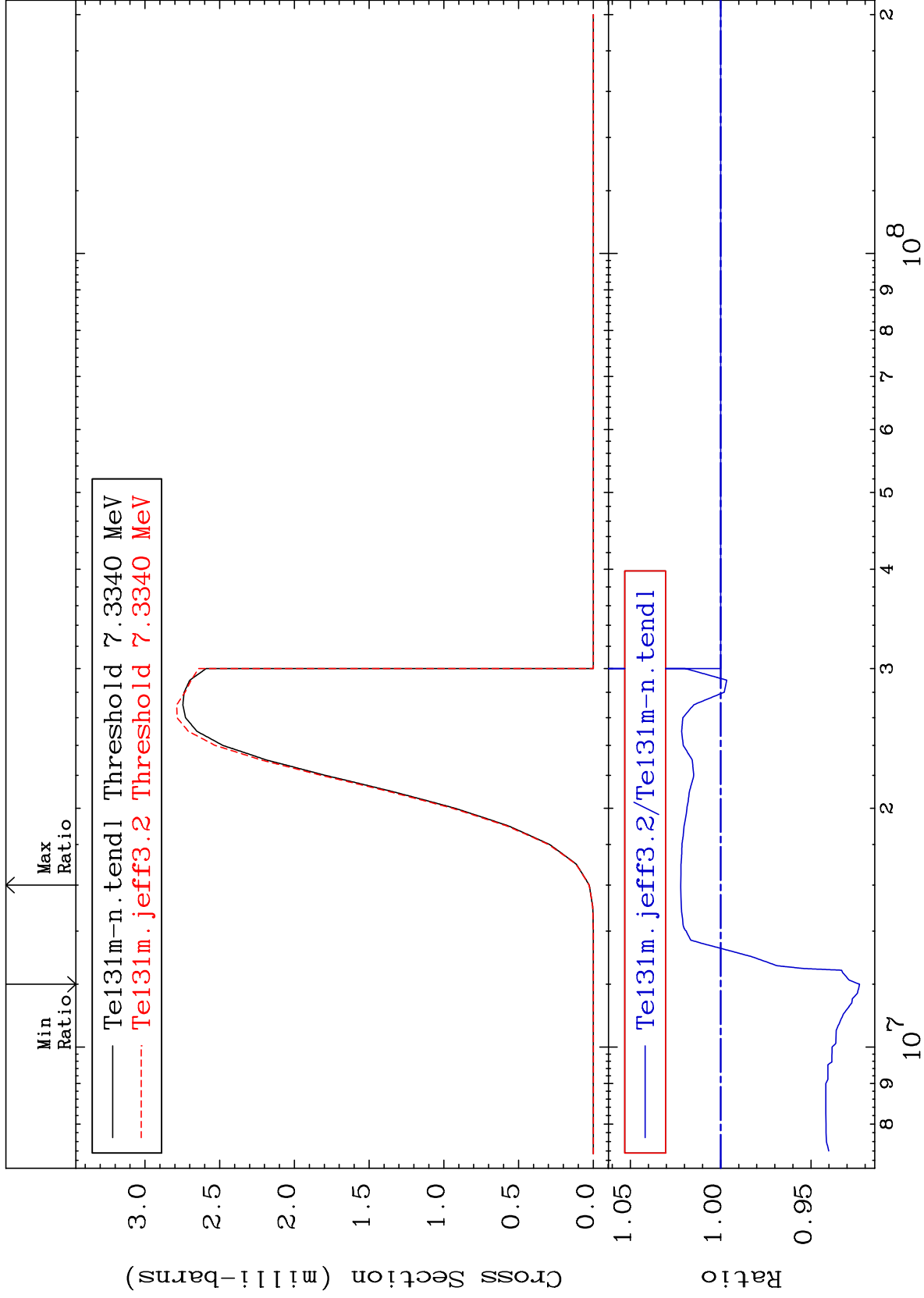
52-Te-131

MAT 5259

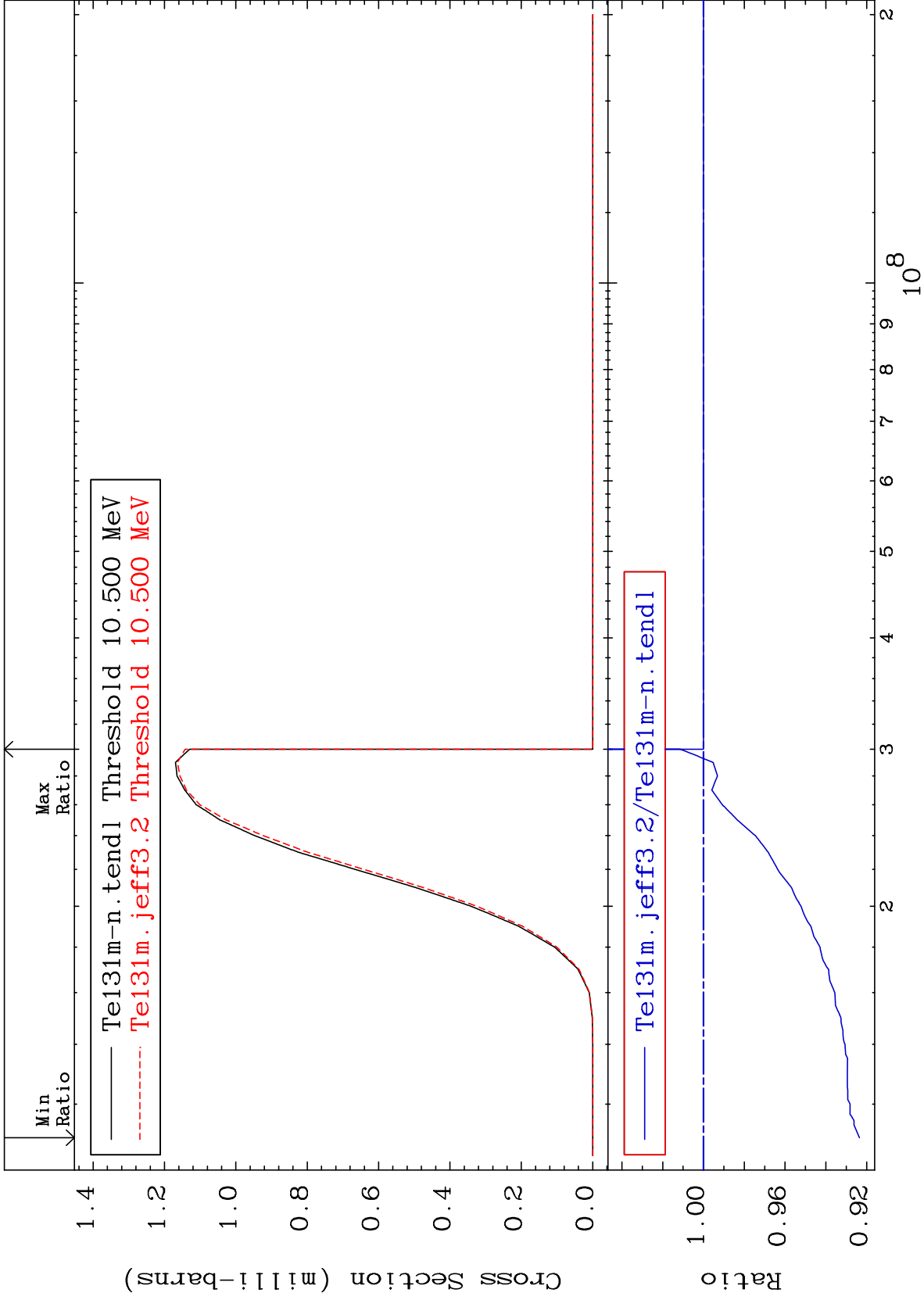
(n, t):51-Sb-129g

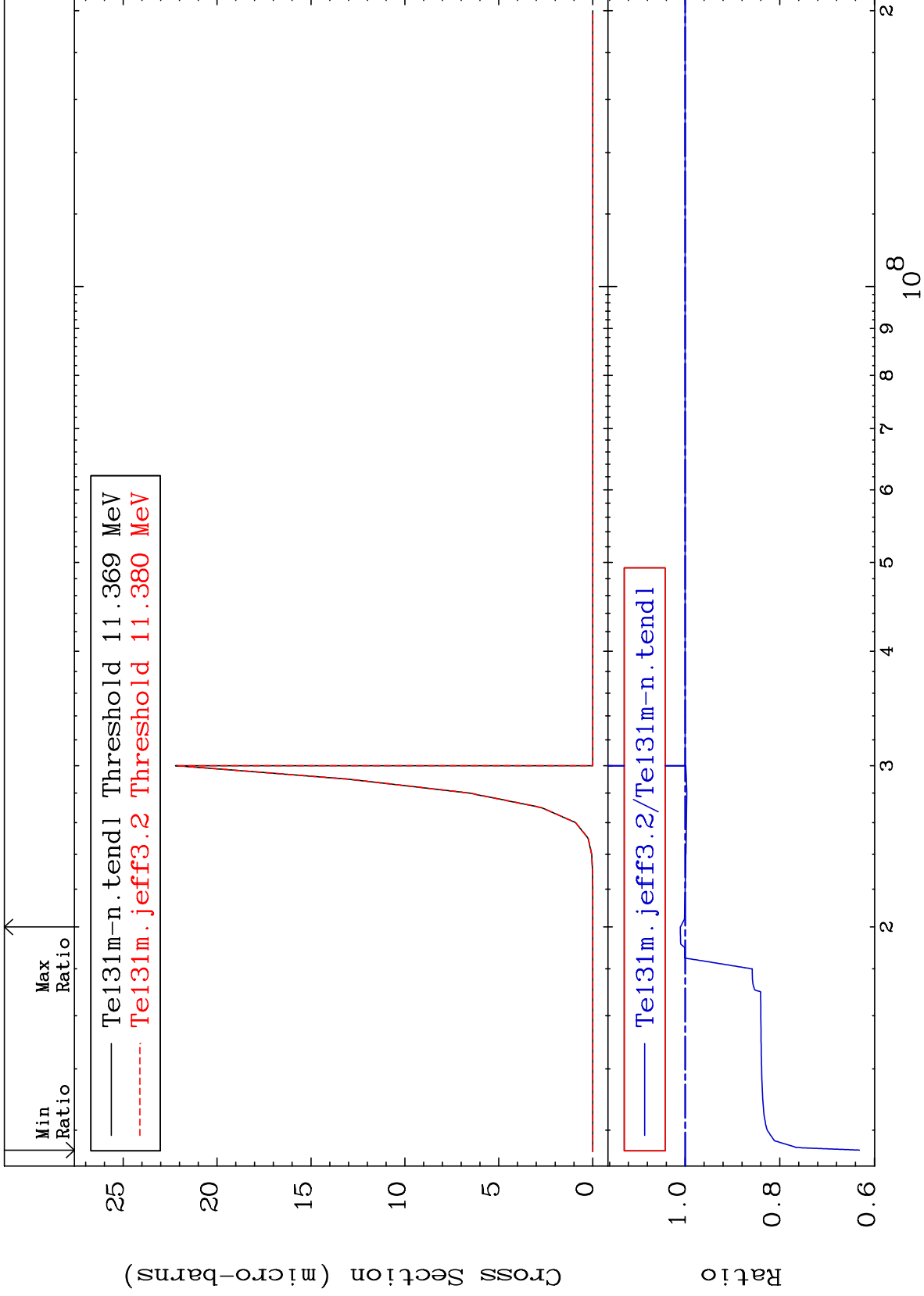
52-Te-131

Radionuclide Production Cross Section -7.689 To 2.207 %



Radionuclide Production Cross Section -7.647 To 1.135 %



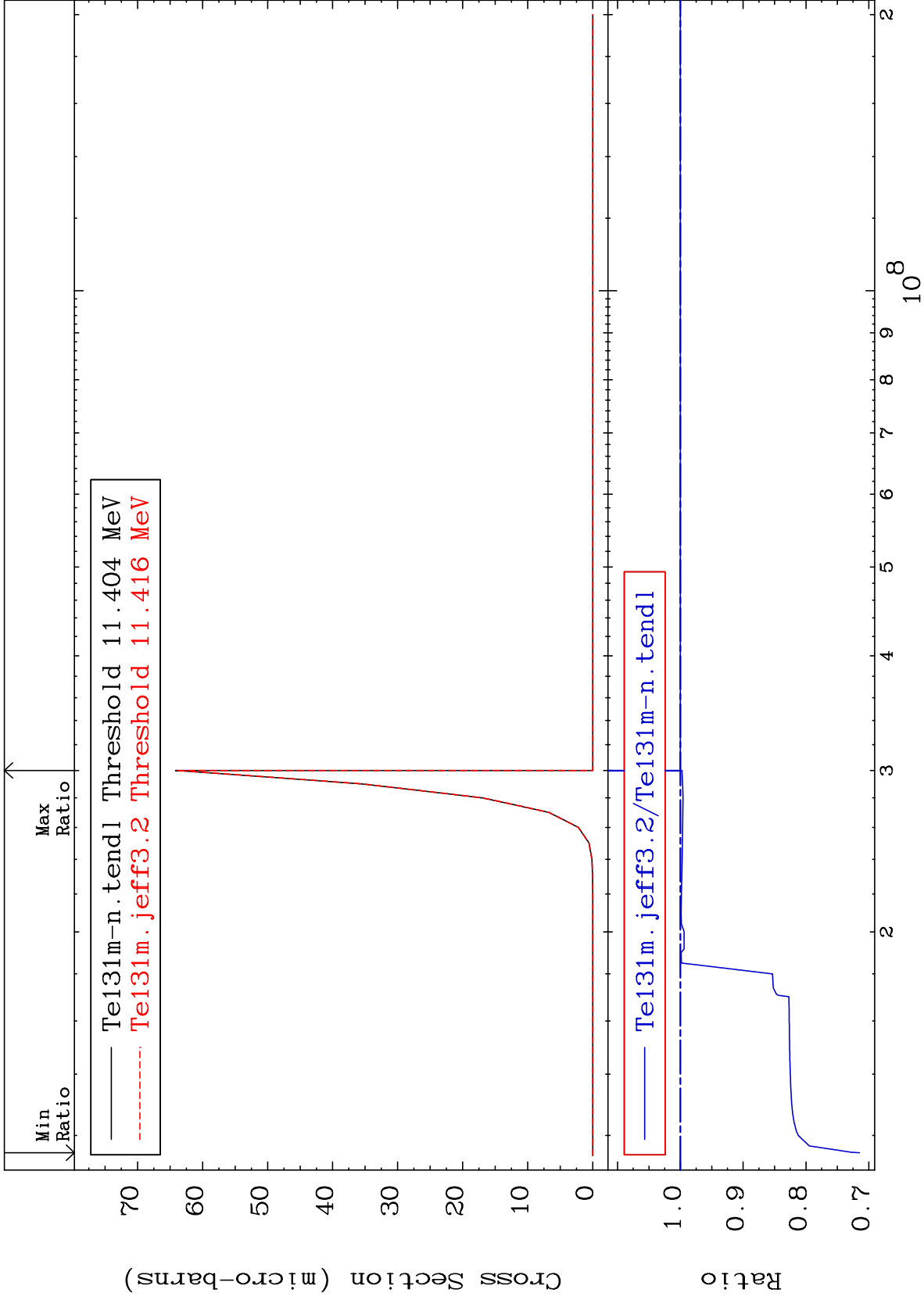


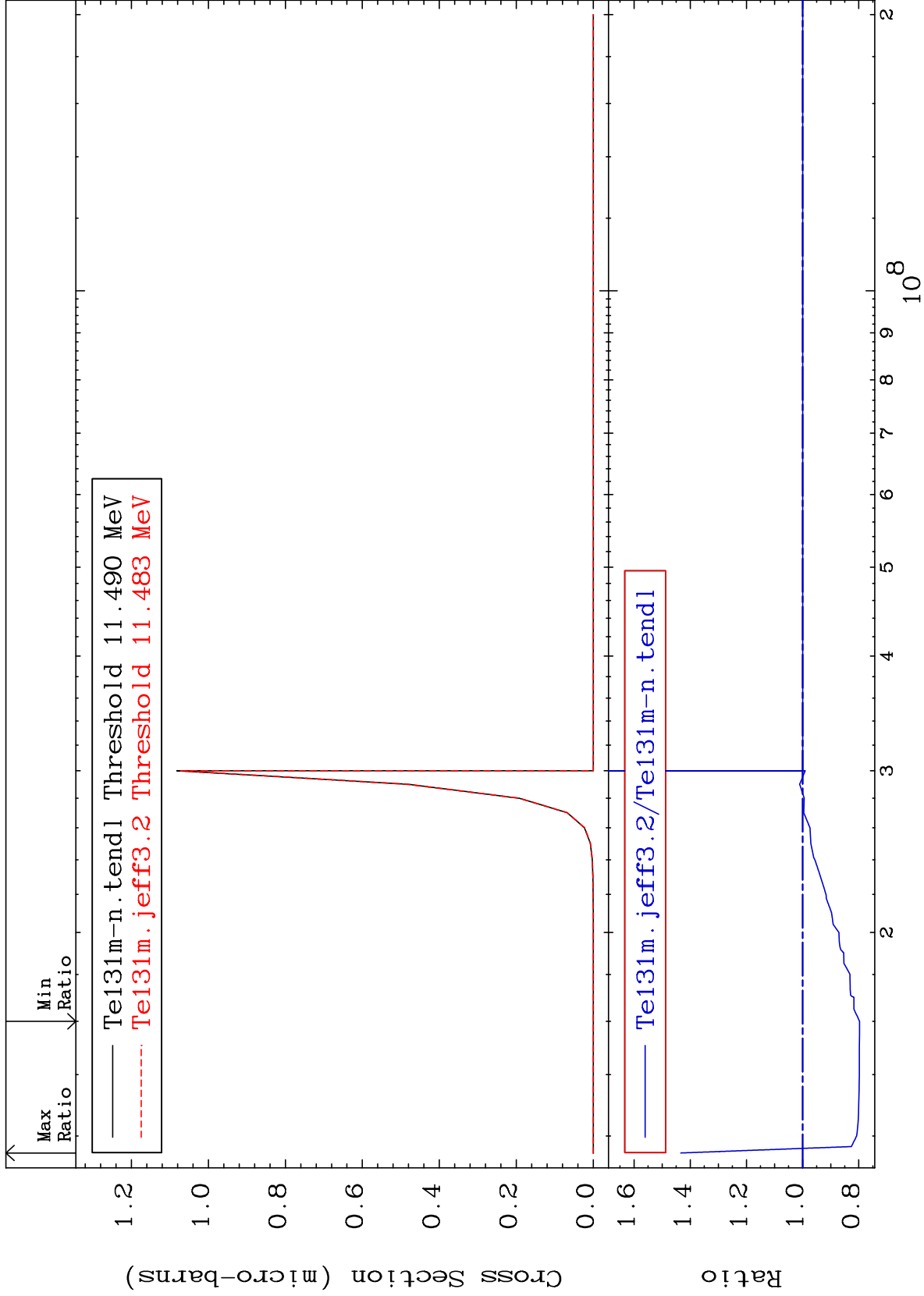
MAT 5259

(n,He-3):50-Sn-129m1

52-Te-131

Radionuclide Production Cross Section -28.52 To 0.000 %



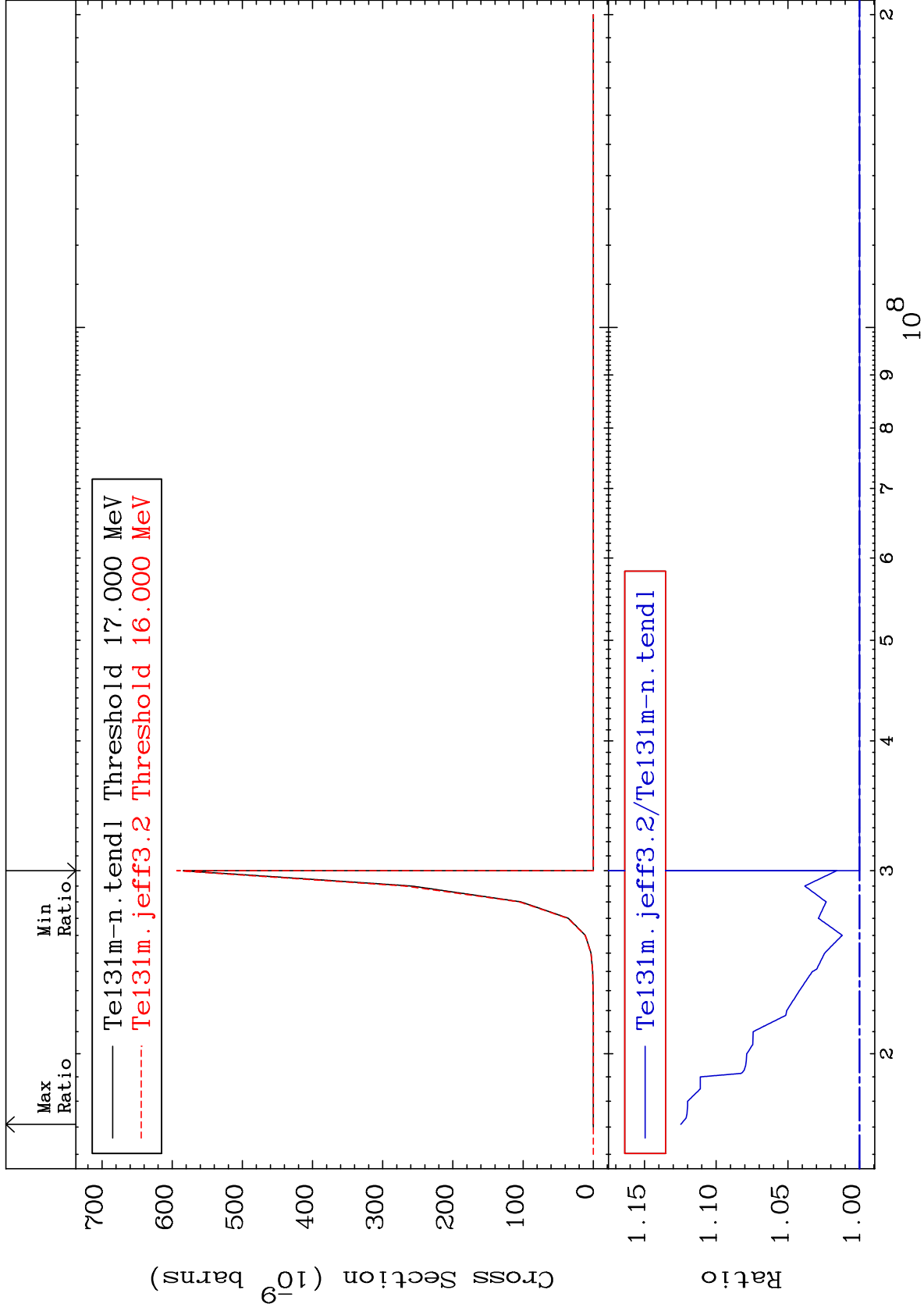


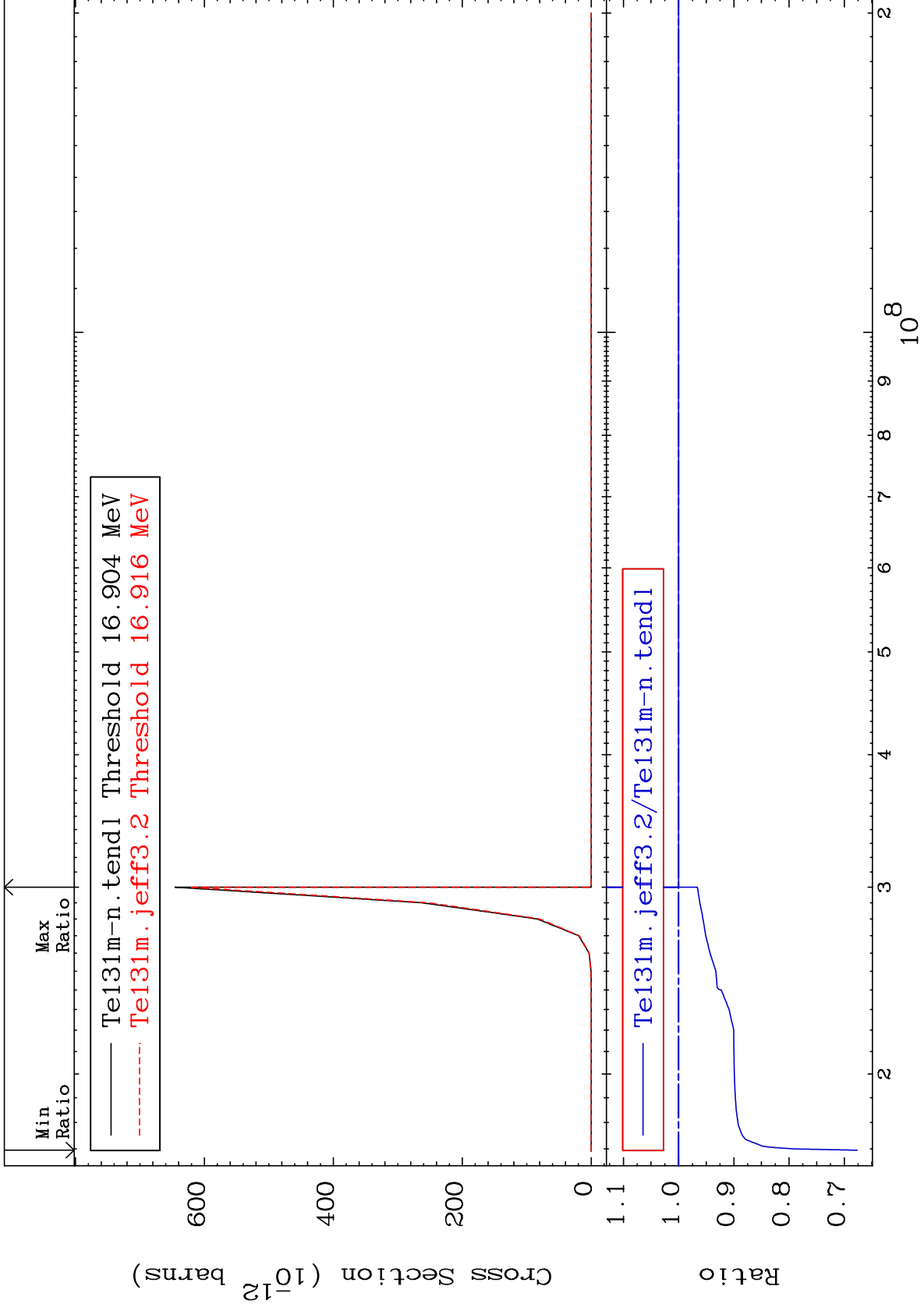
MAT 5259

(n,2p):50-Sn-130m2

52-Te-131

Radionuclide Production Cross Section 0.000 To 12.47 %



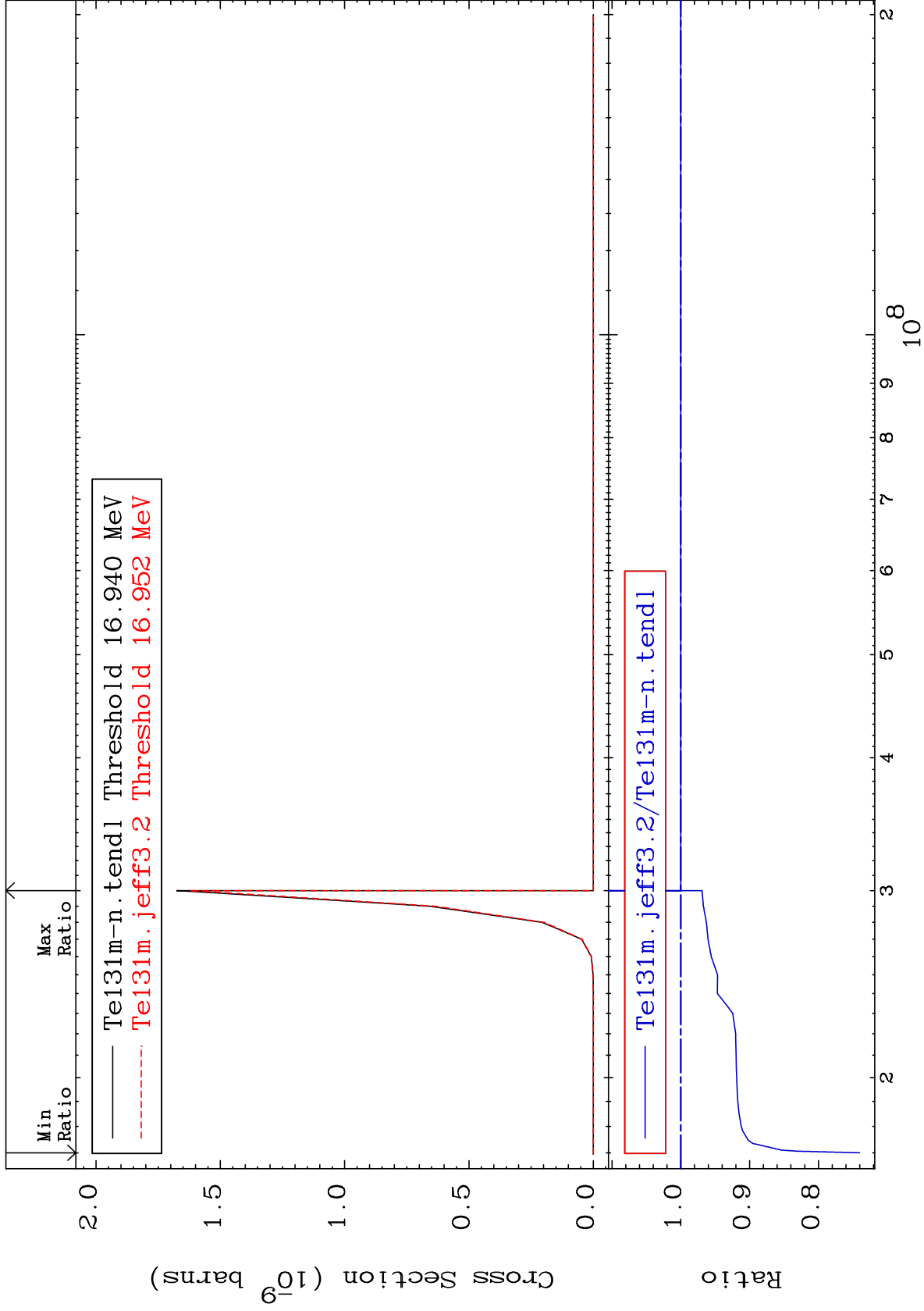


MAT 5259

(n,p) d:50-Sn-129m1

52-Te-131

Radionuclide Production Cross Section -25.97 To 0.000 %



100

Incident Energy (eV)

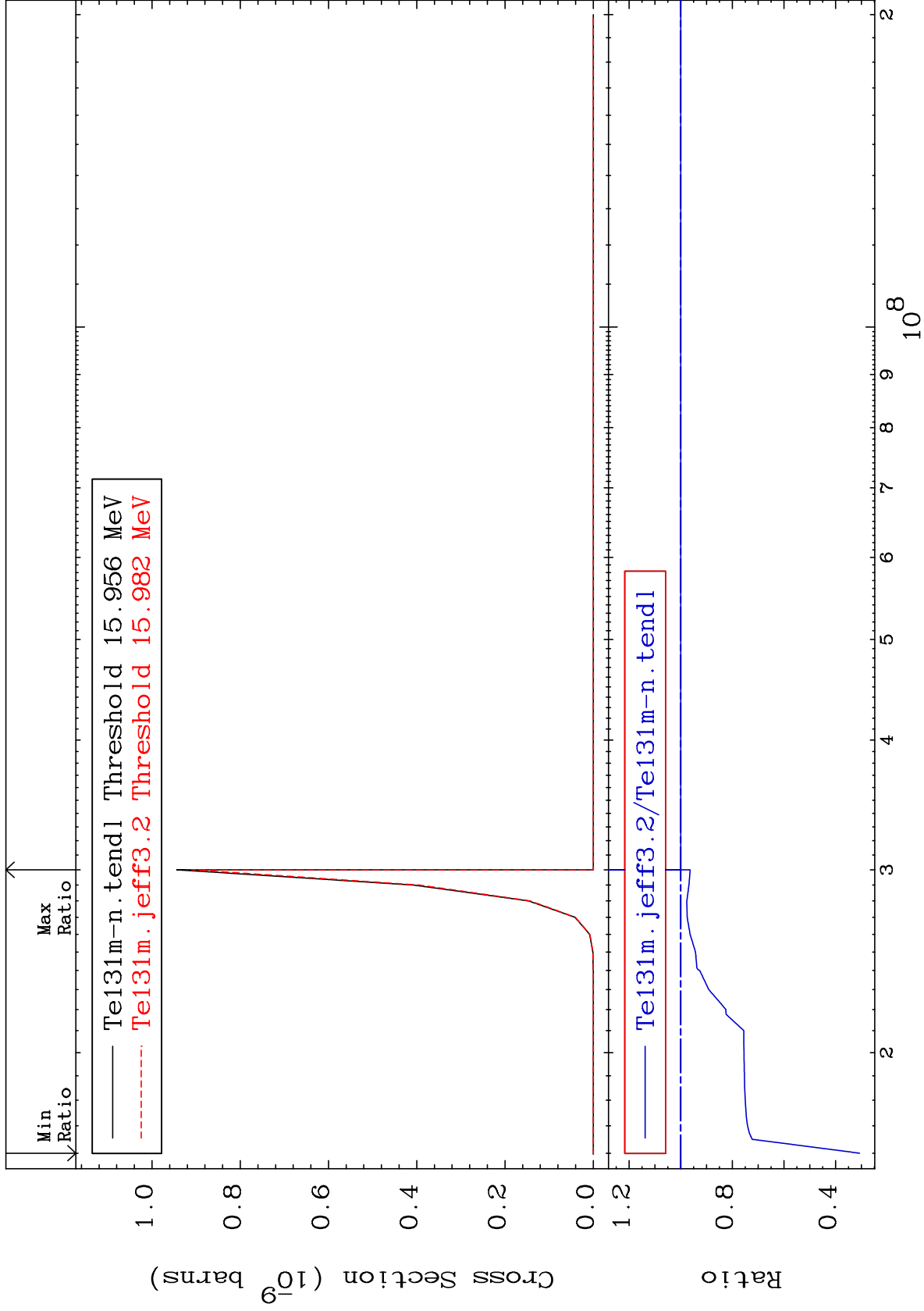
52-Te-131

MAT 5259

(n, p) t:50-Sn-128g

52-Te-131

Radionuclide Production Cross Section -69.30 To 0.000 %



101

Incident Energy (eV)

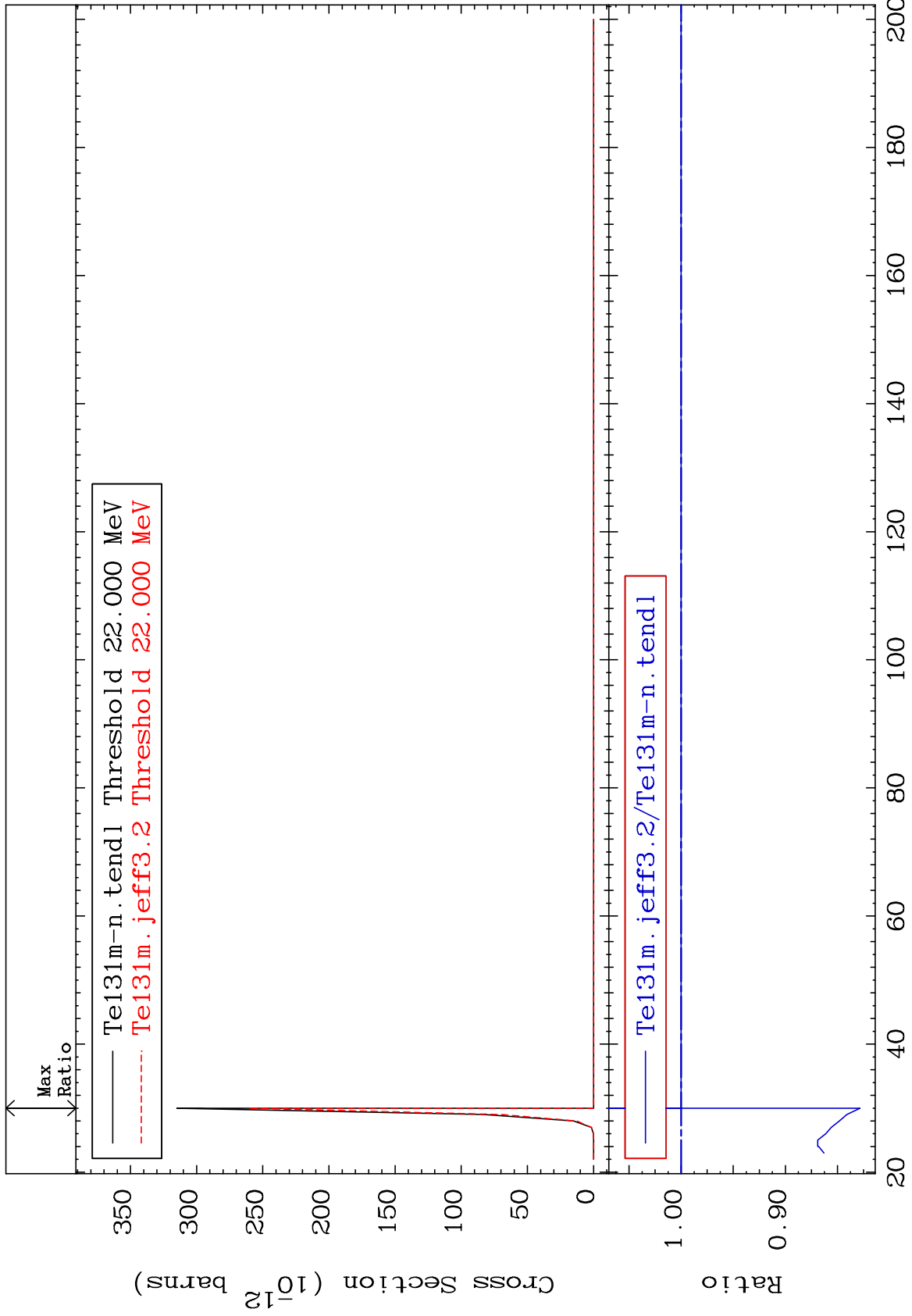
52-Te-131

MAT 5259

(n,p) t:50-Sn-128m3

52-Te-131

Radionuclide Production Cross Section -17.16 To 0.000 %



102

Incident Energy (MeV)

52-Te-131