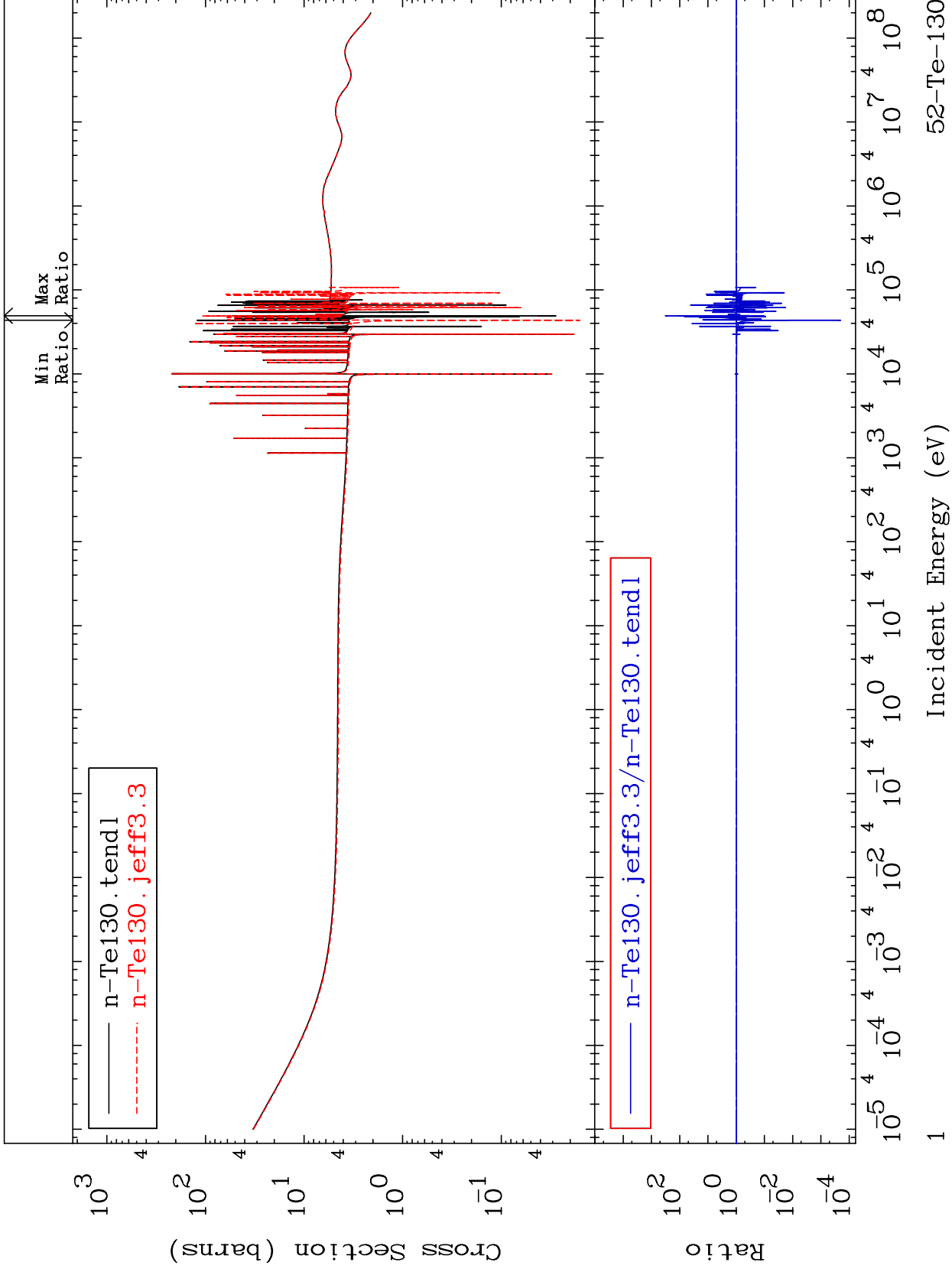


MAT 5255

Total
Cross Section

52-Te-130
-99.98 To 9999. %



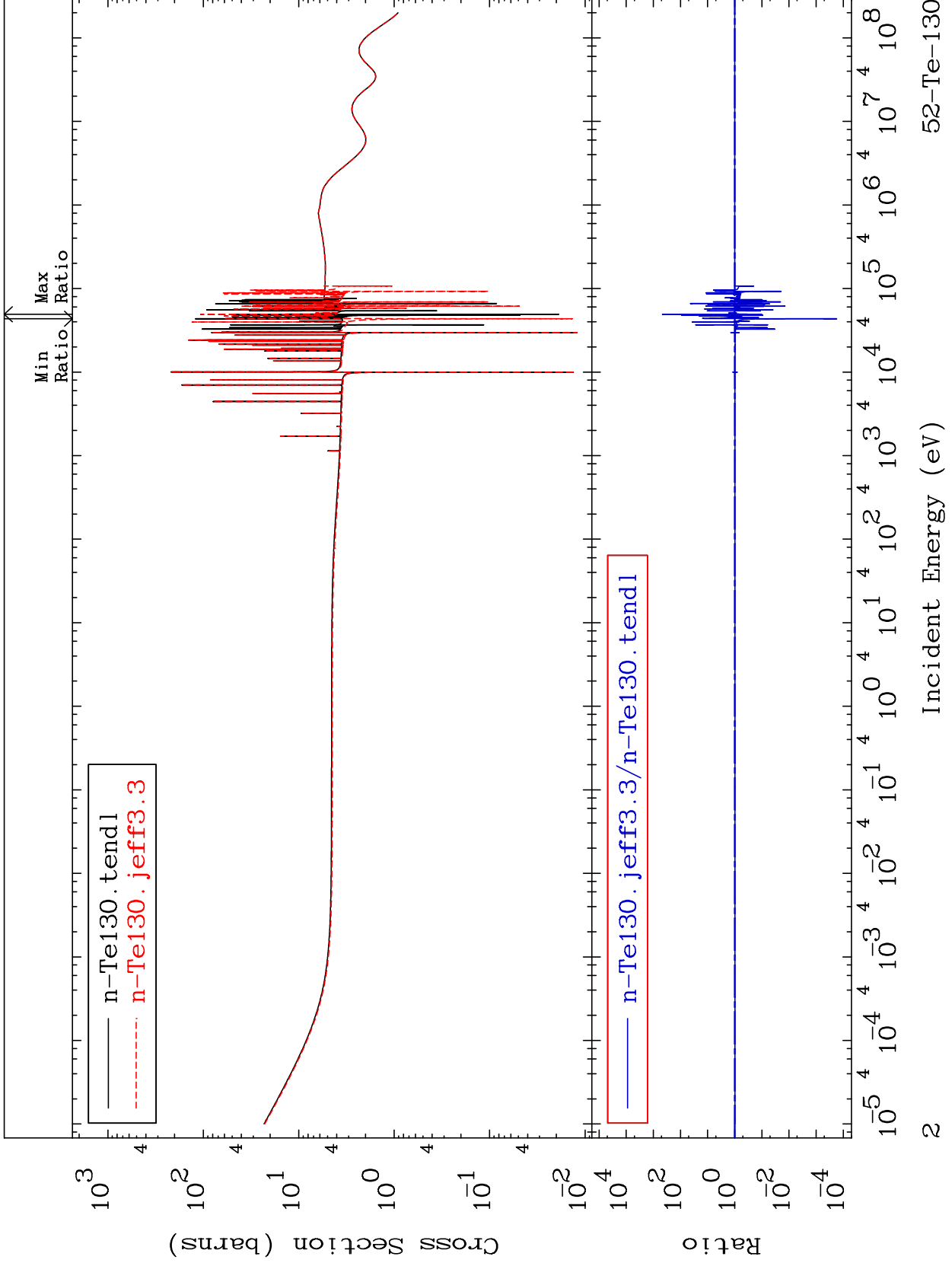
Incident Energy (eV)

52-Te-130

MAT 5255

Elastic
Cross Section

52-Te-130
-99.98 To 9999. %



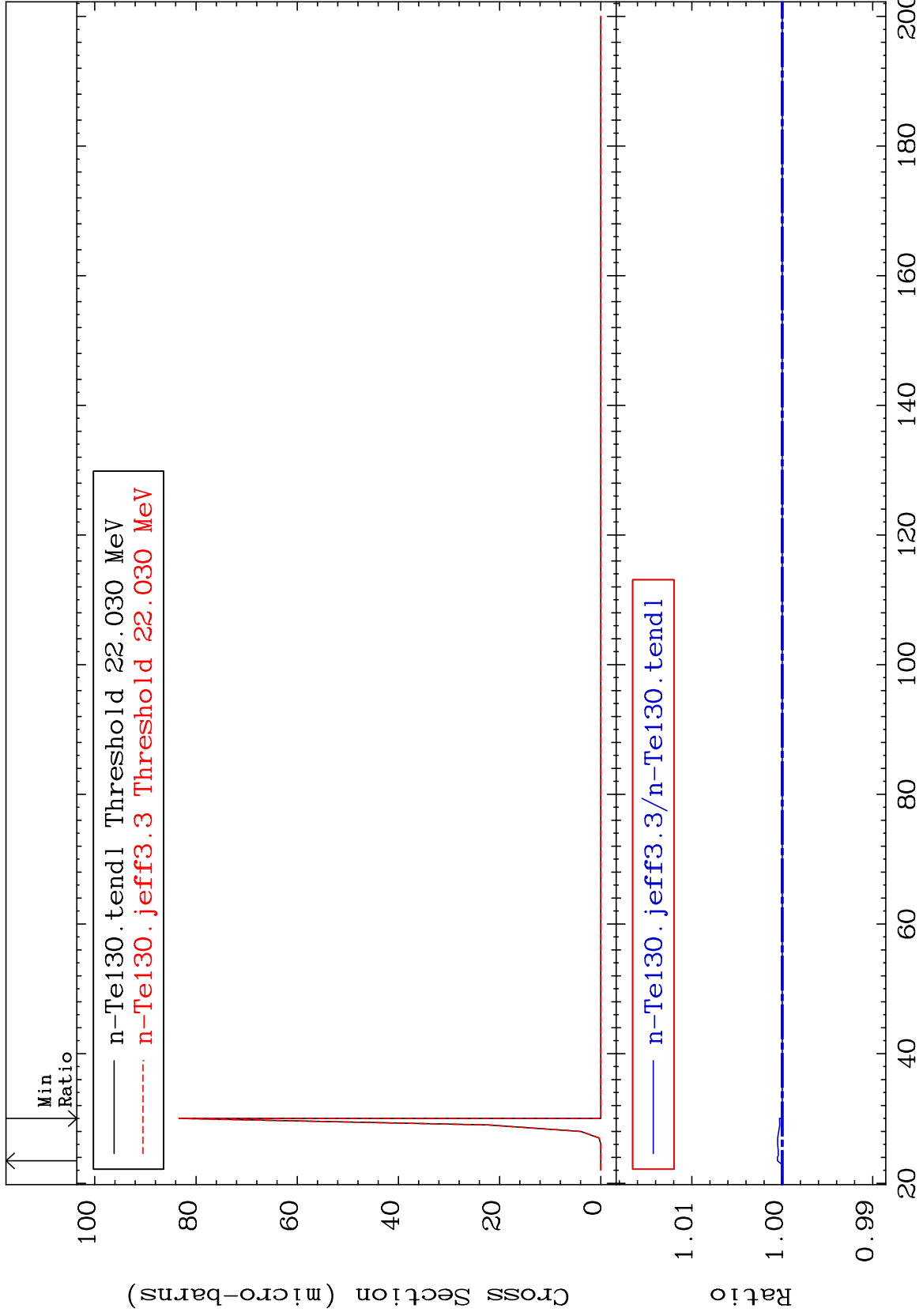
MAT 5255

(n,2n) d

52-Te-130

Cross Section

0.000 To 0.053 %



MAT 5255

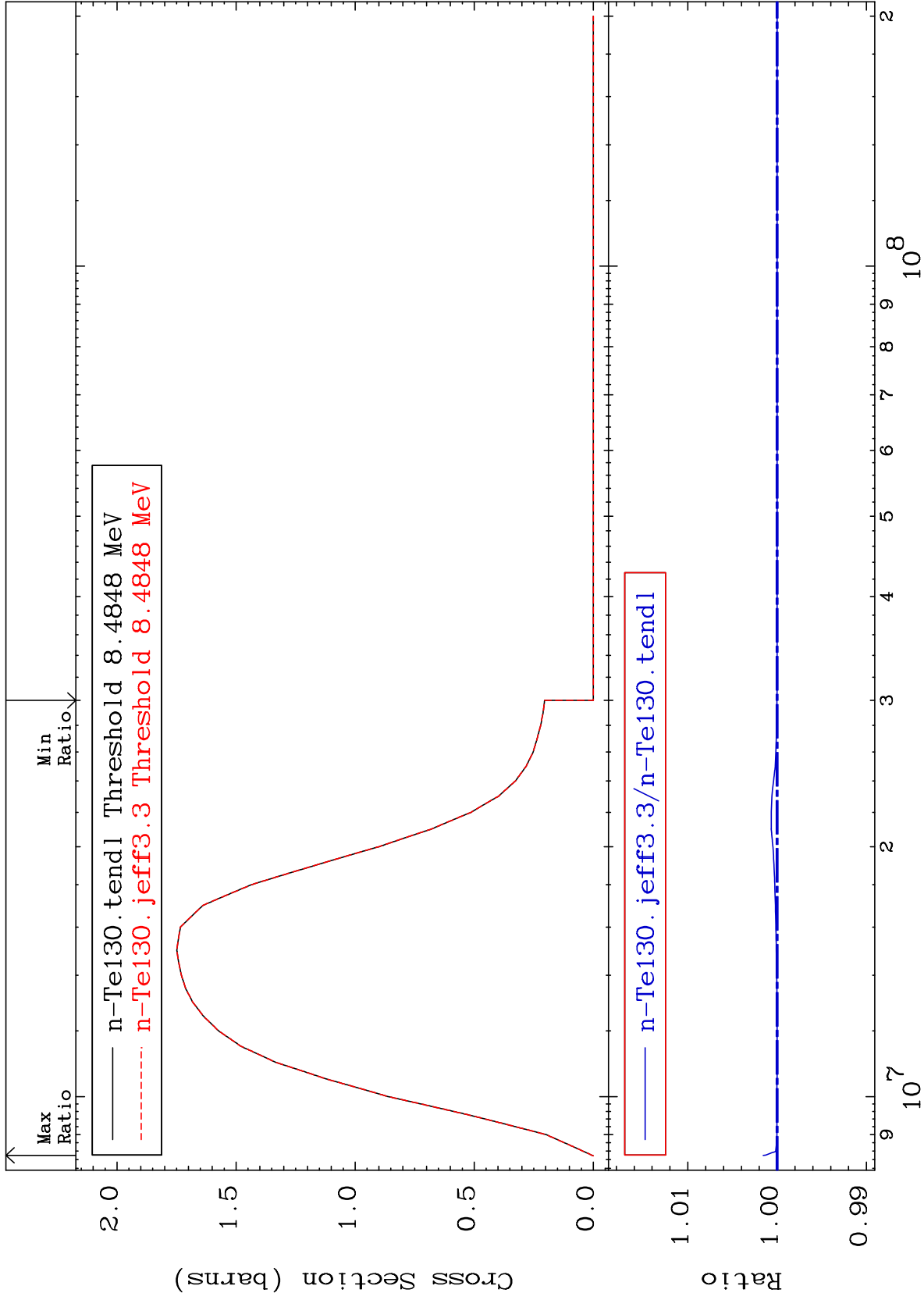
(n,2n)

52-Te-130

Cross Section

0.000

To 0.156 %



MAT 5255

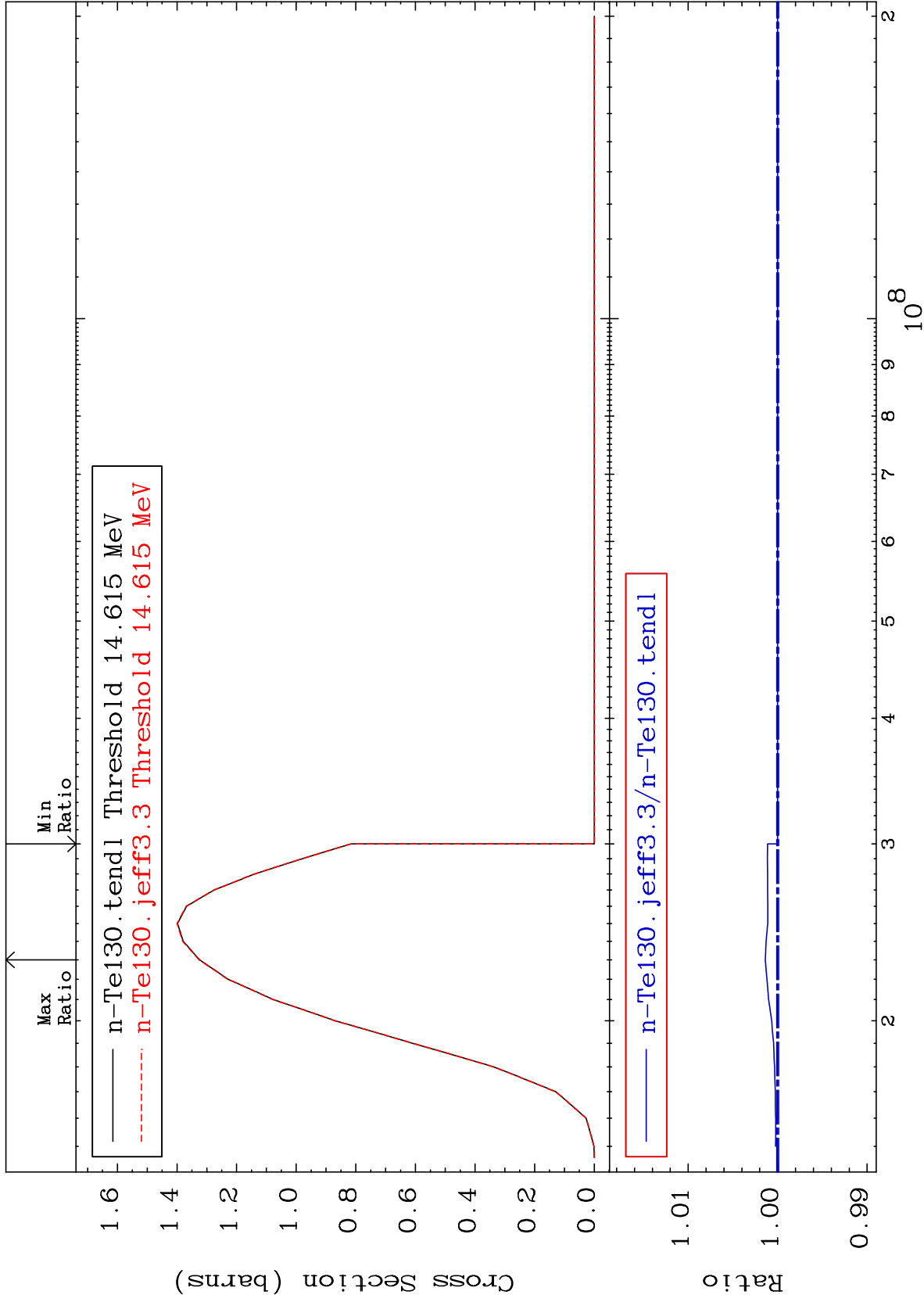
(n, 3n)

52-Te-130

Cross Section

0.000

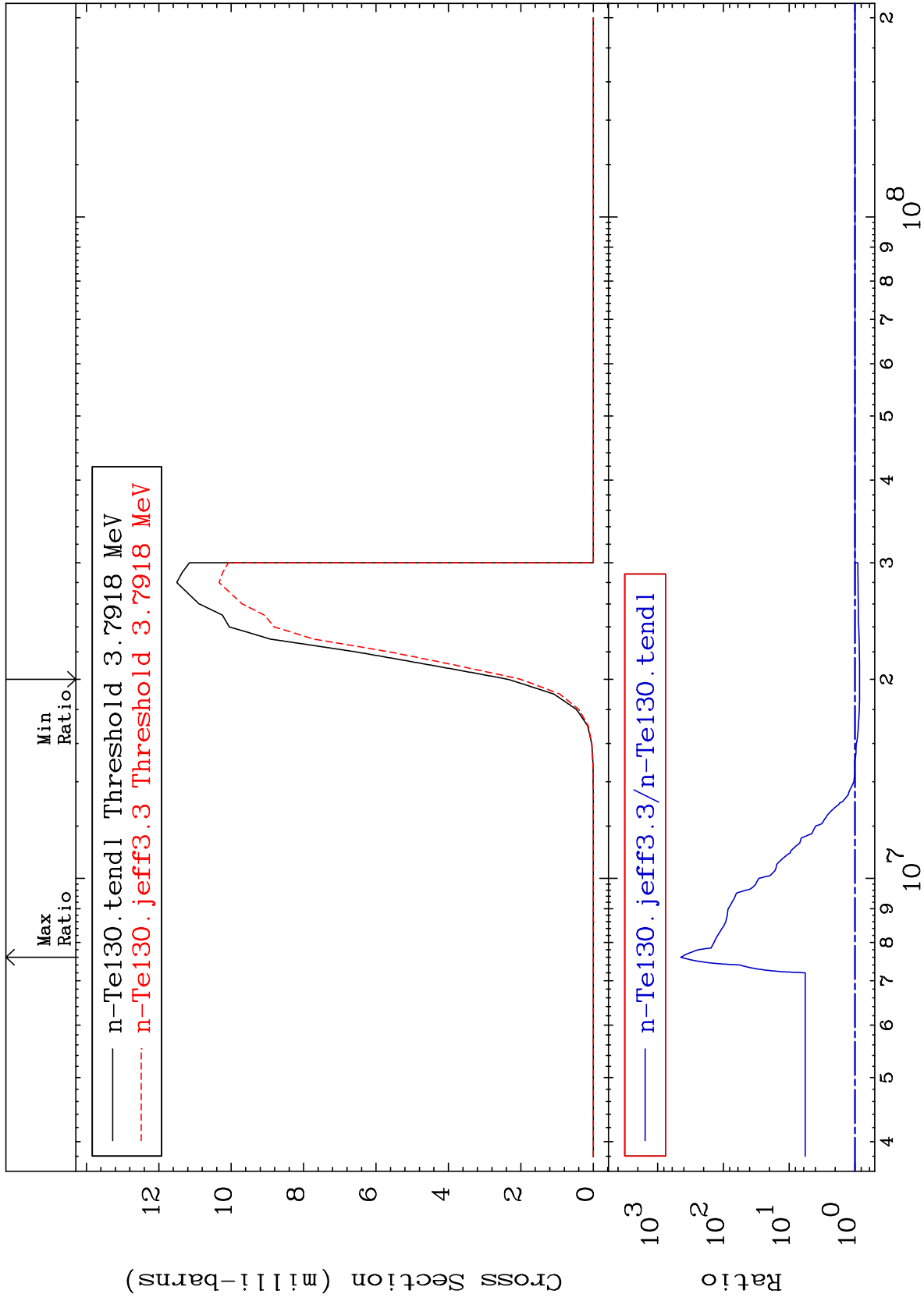
To 0.138 %



MAT 5255

(n, n') α
Cross Section

52-Te-130
-14.93 To 9999. %



6

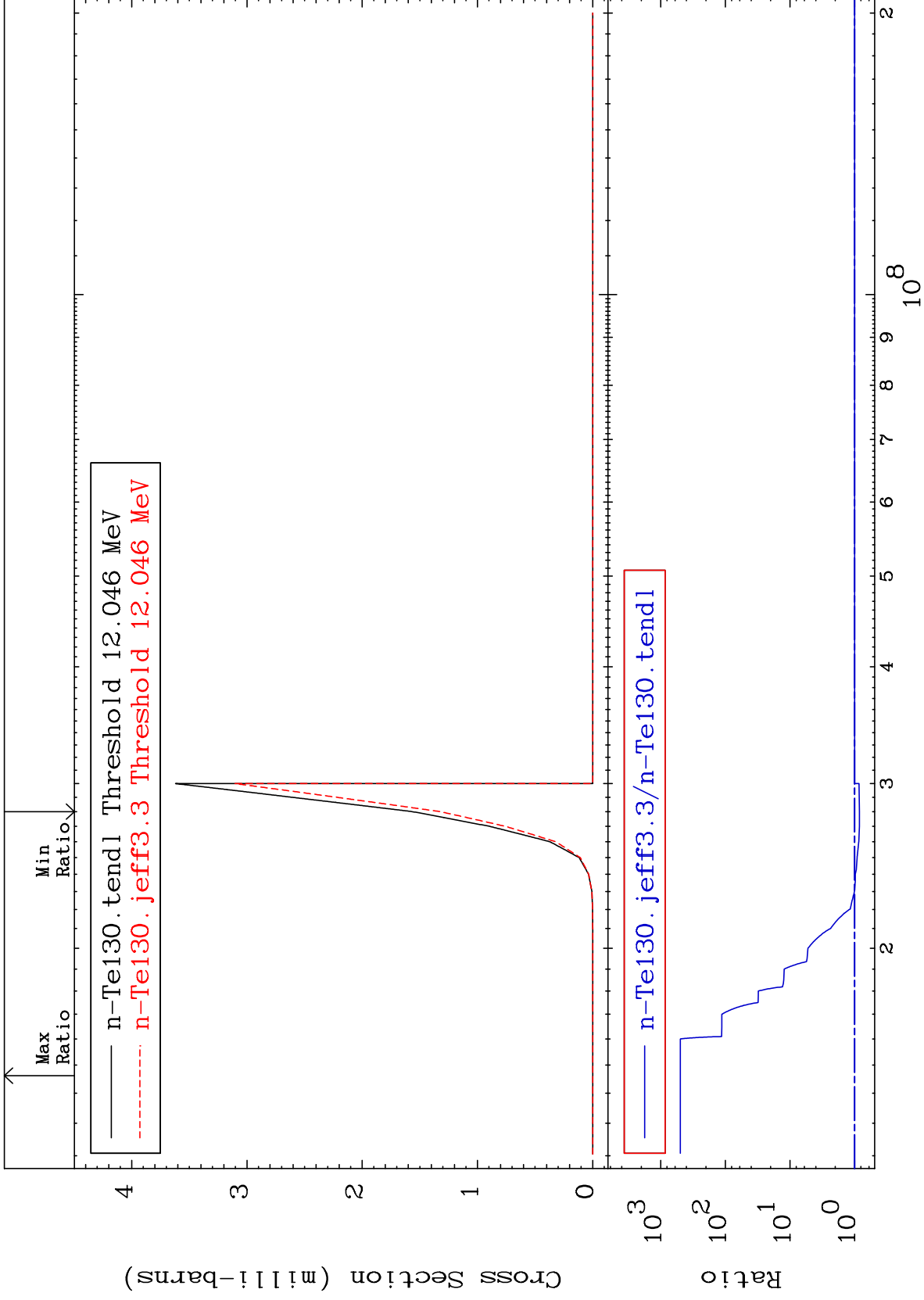
Incident Energy (eV)

52-Te-130

MAT 5255

(n,2n) α
Cross Section

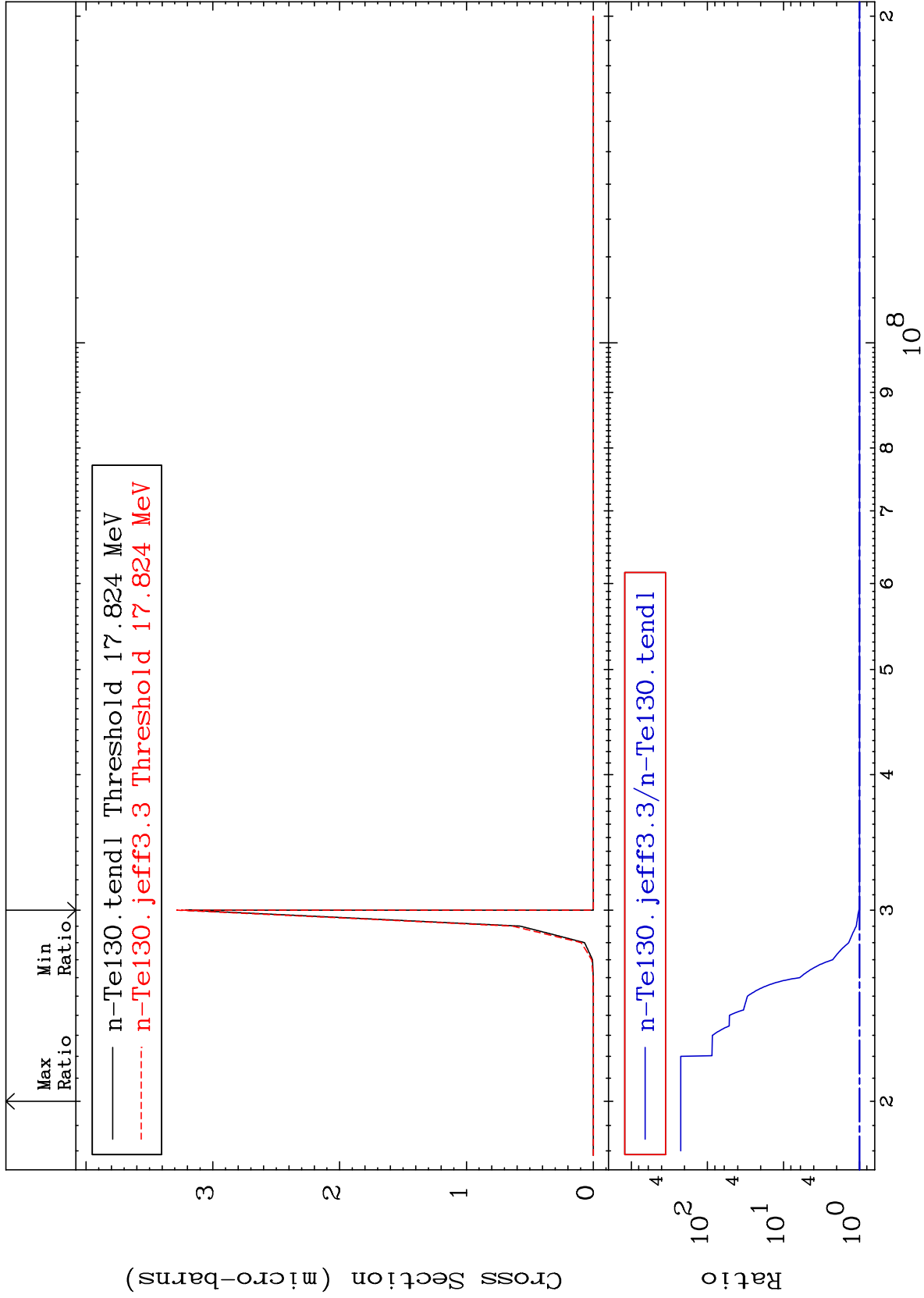
52-Te-130
-15.47 To 9999. %



MAT 5255

(n,3n) α
Cross Section

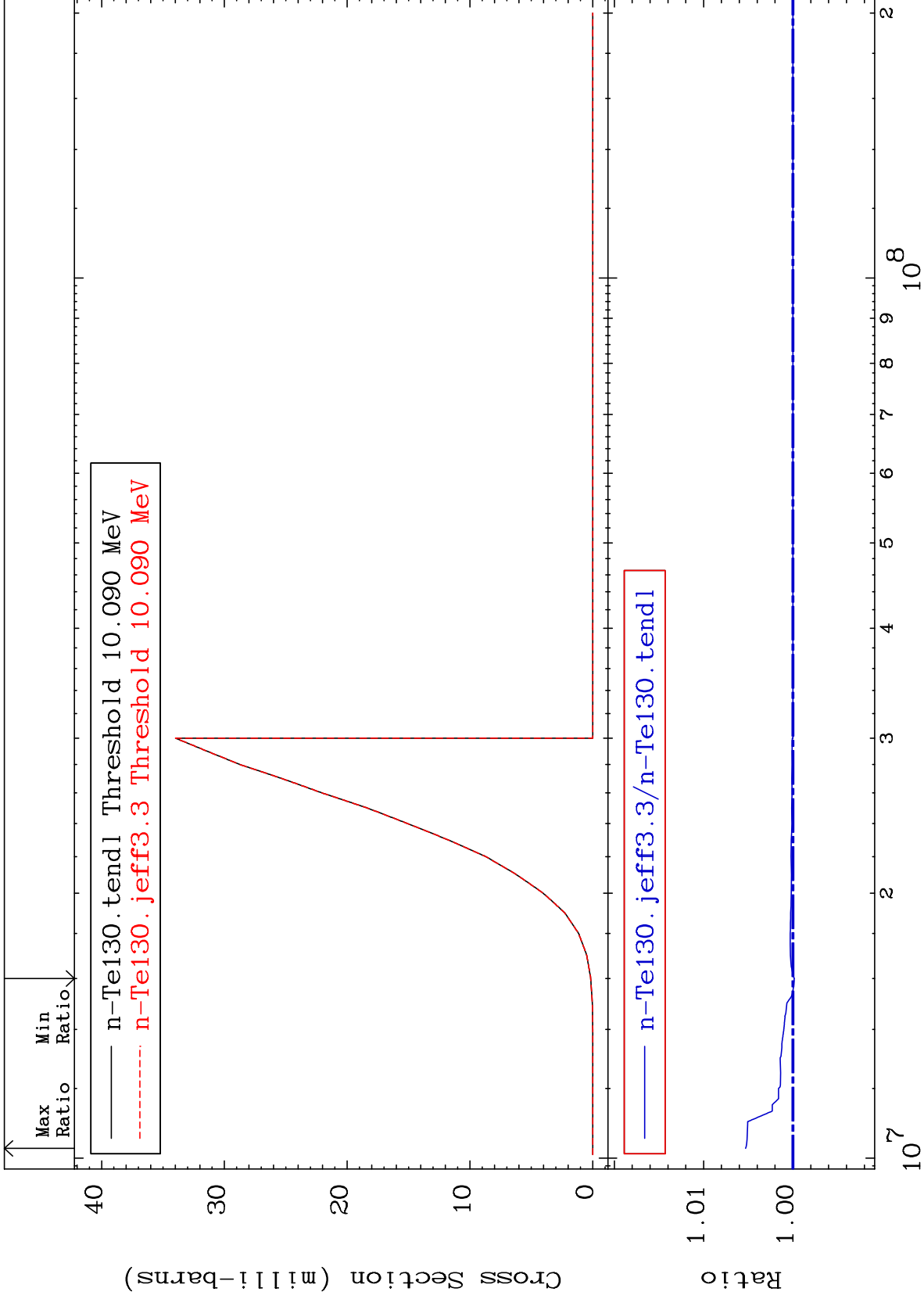
52-Te-130
To 9999. %
0.000



MAT 5255

(n,n') p
Cross Section

52-Te-130
-0.015 To 0.531 %



MAT 5255

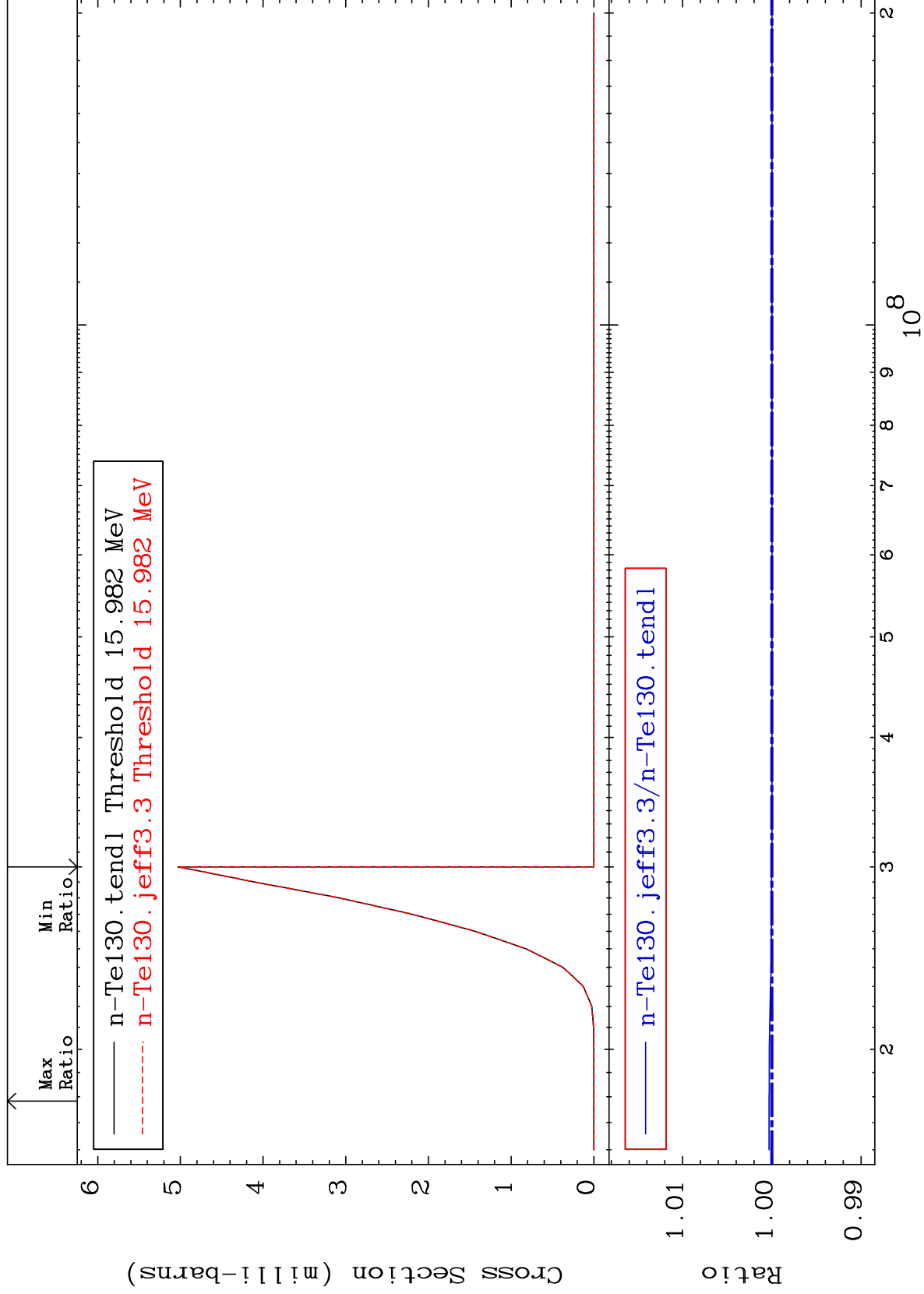
(n,n') d

52-Te-130

Cross Section

0.000

To 0.032 %



10

Incident Energy (eV)

52-Te-130

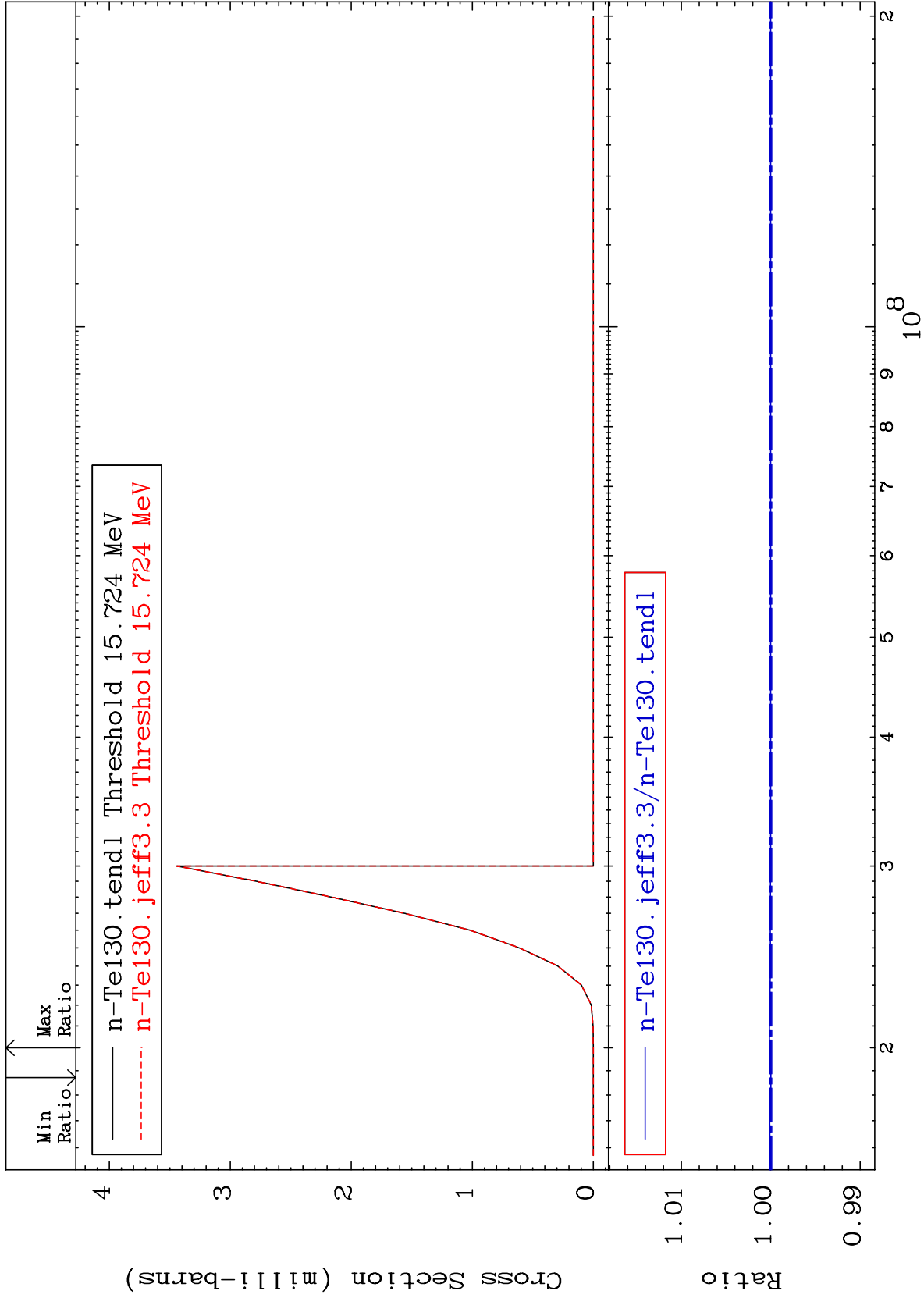
MAT 5255

(n,n') t

52-Te-130

Cross Section

-0.003 To 0.015 %



11

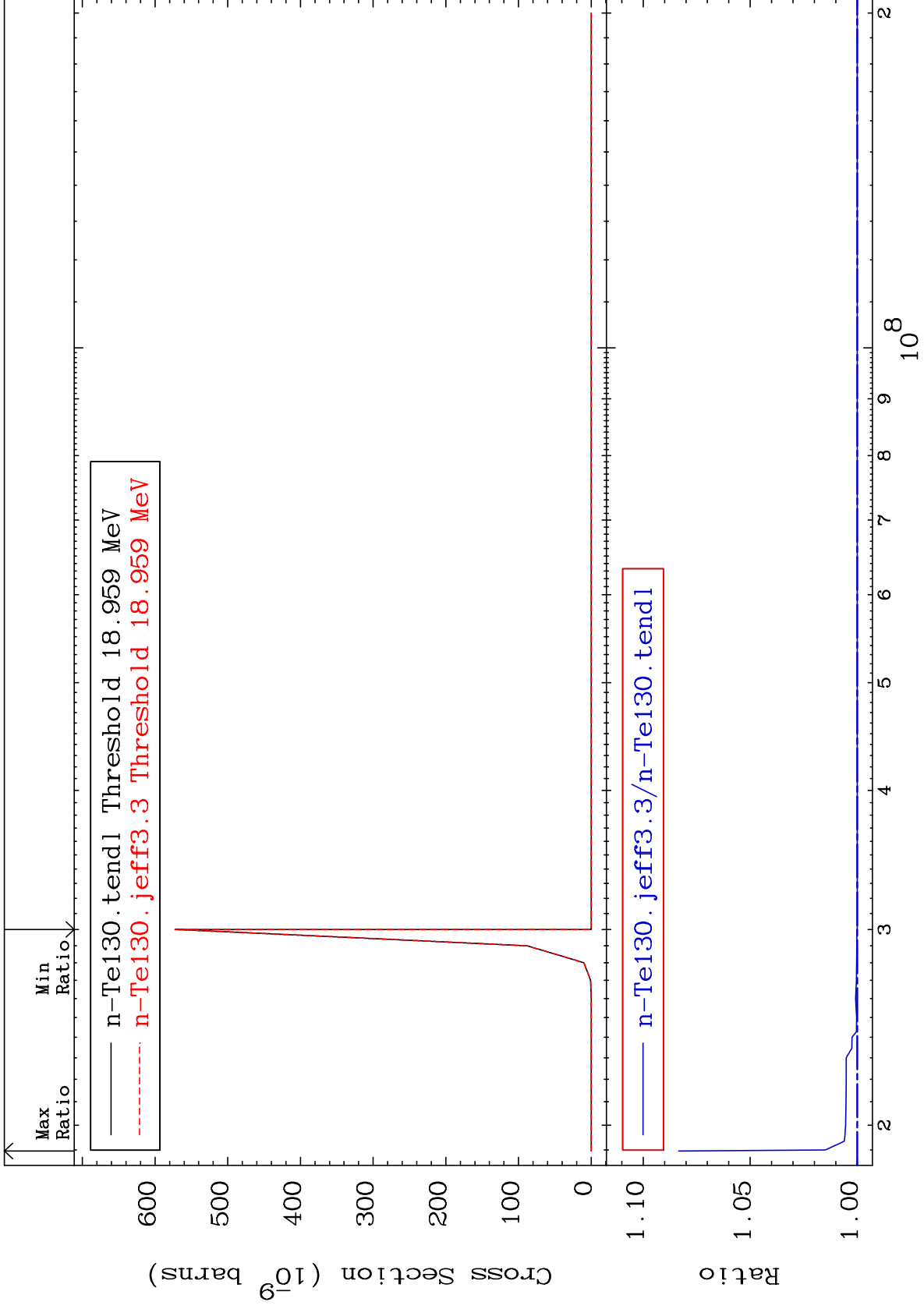
Incident Energy (eV)

52-Te-130

MAT 5255

(n, n') He-3
Cross Section

52-Te-130
To 8.343 %



12

Incident Energy (eV)

52-Te-130

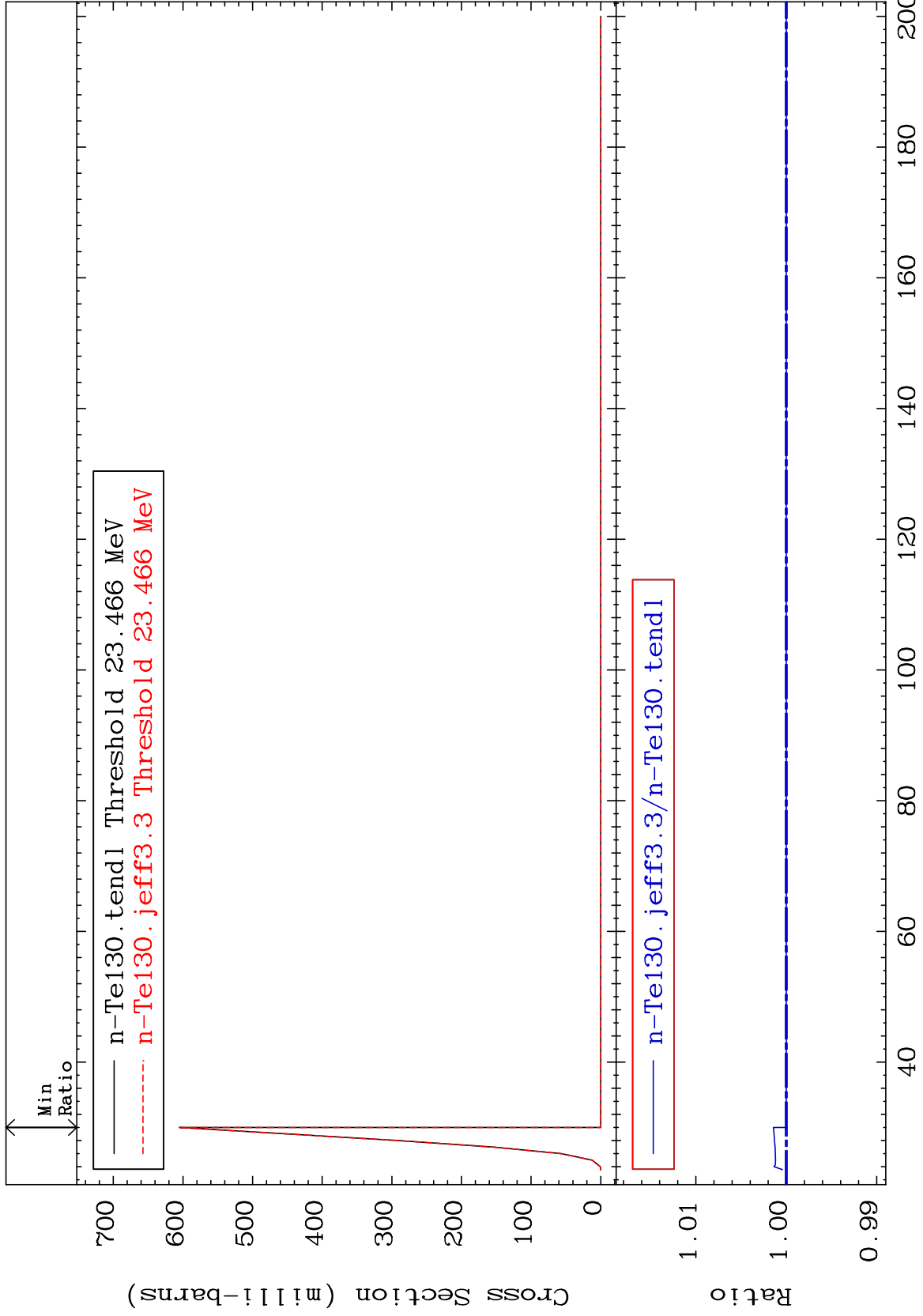
MAT 5255

(n,4n)

52-Te-130

Cross Section

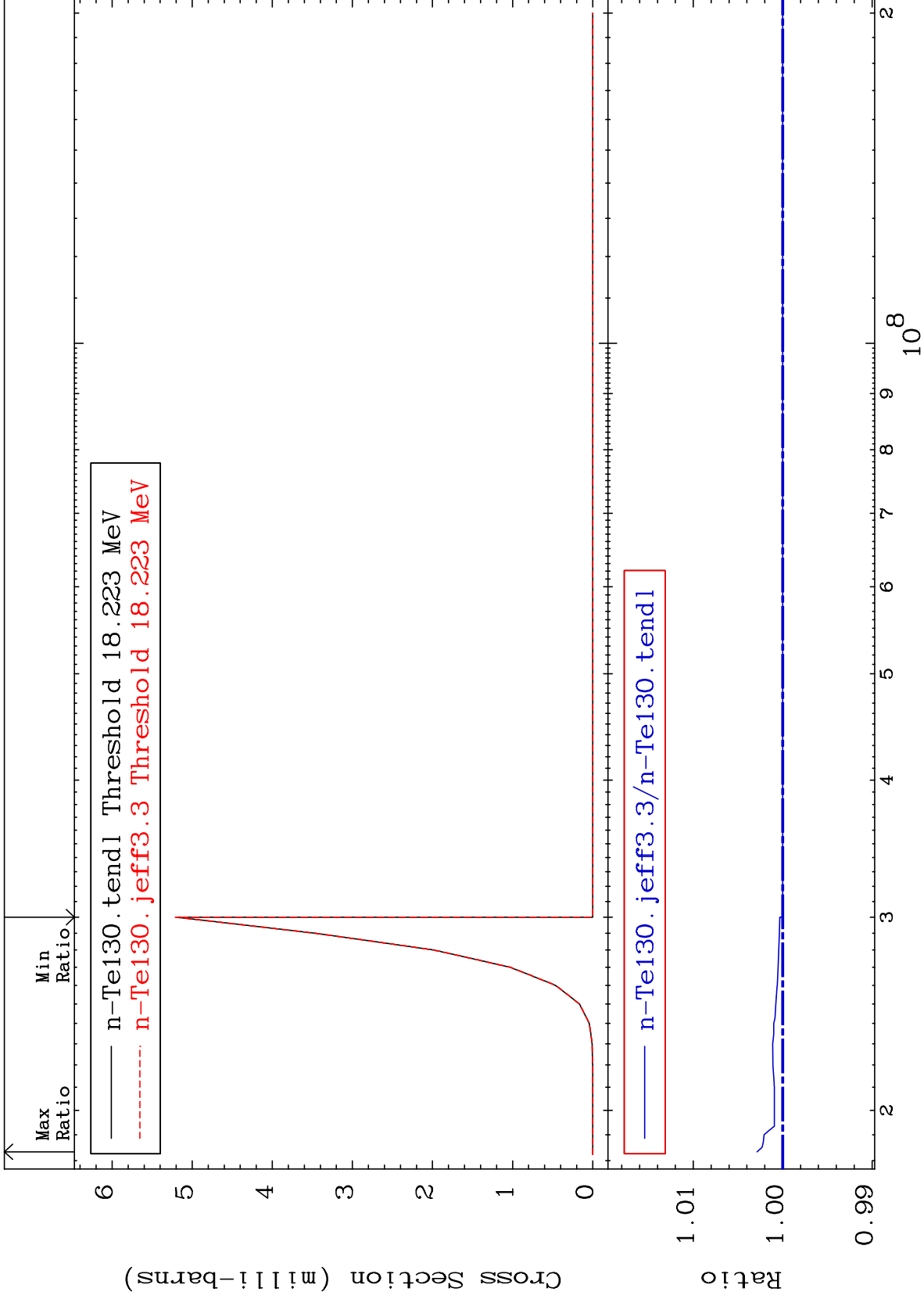
0.000 To 0.143 %



MAT 5255

(n,2n) p
Cross Section

52-Te-130
0.000 To 0.286 %



14

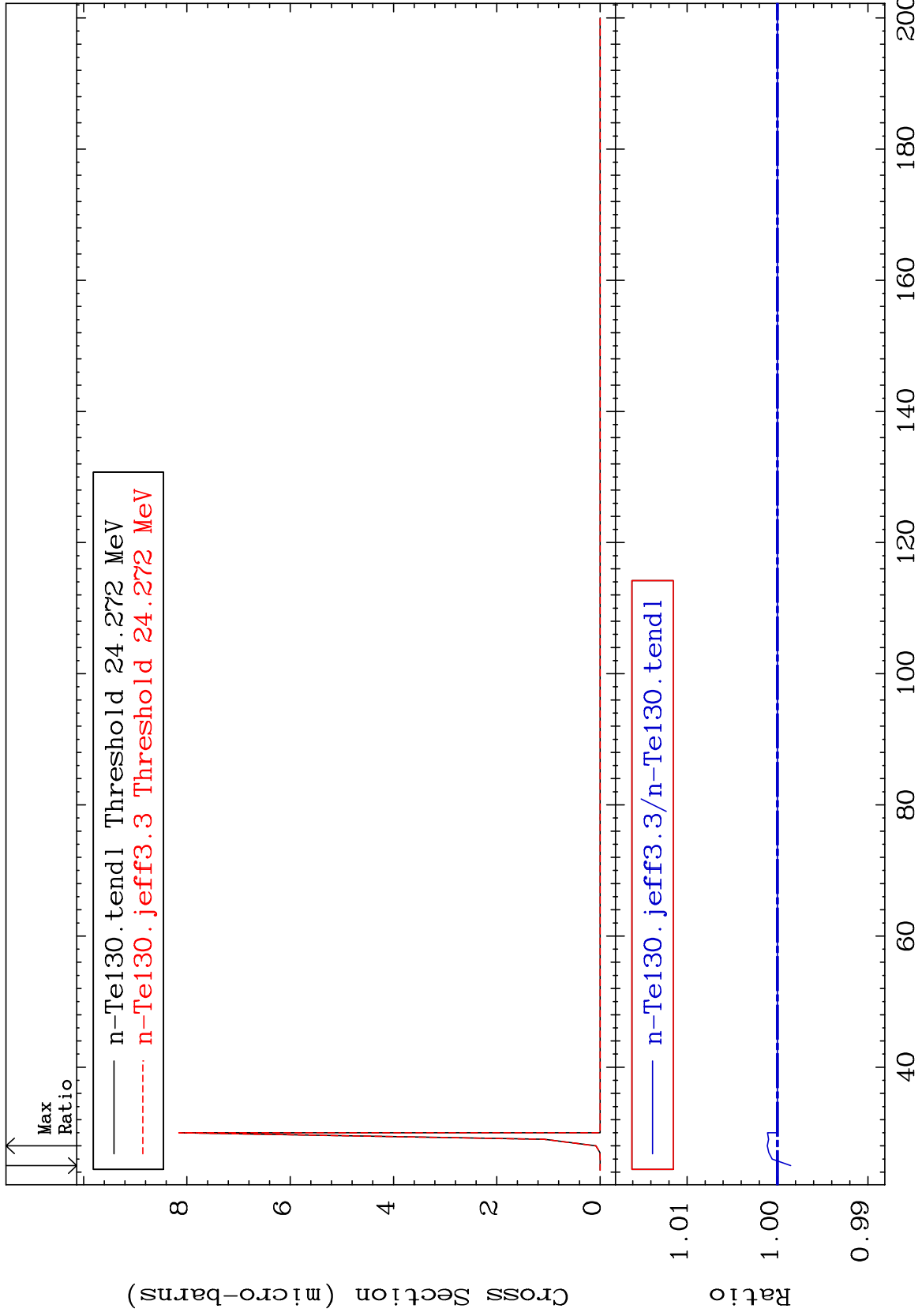
Incident Energy (eV)

52-Te-130

MAT 5255

(n,3n) p
Cross Section

52-Te-130
-0.146 To 0.111 %



15

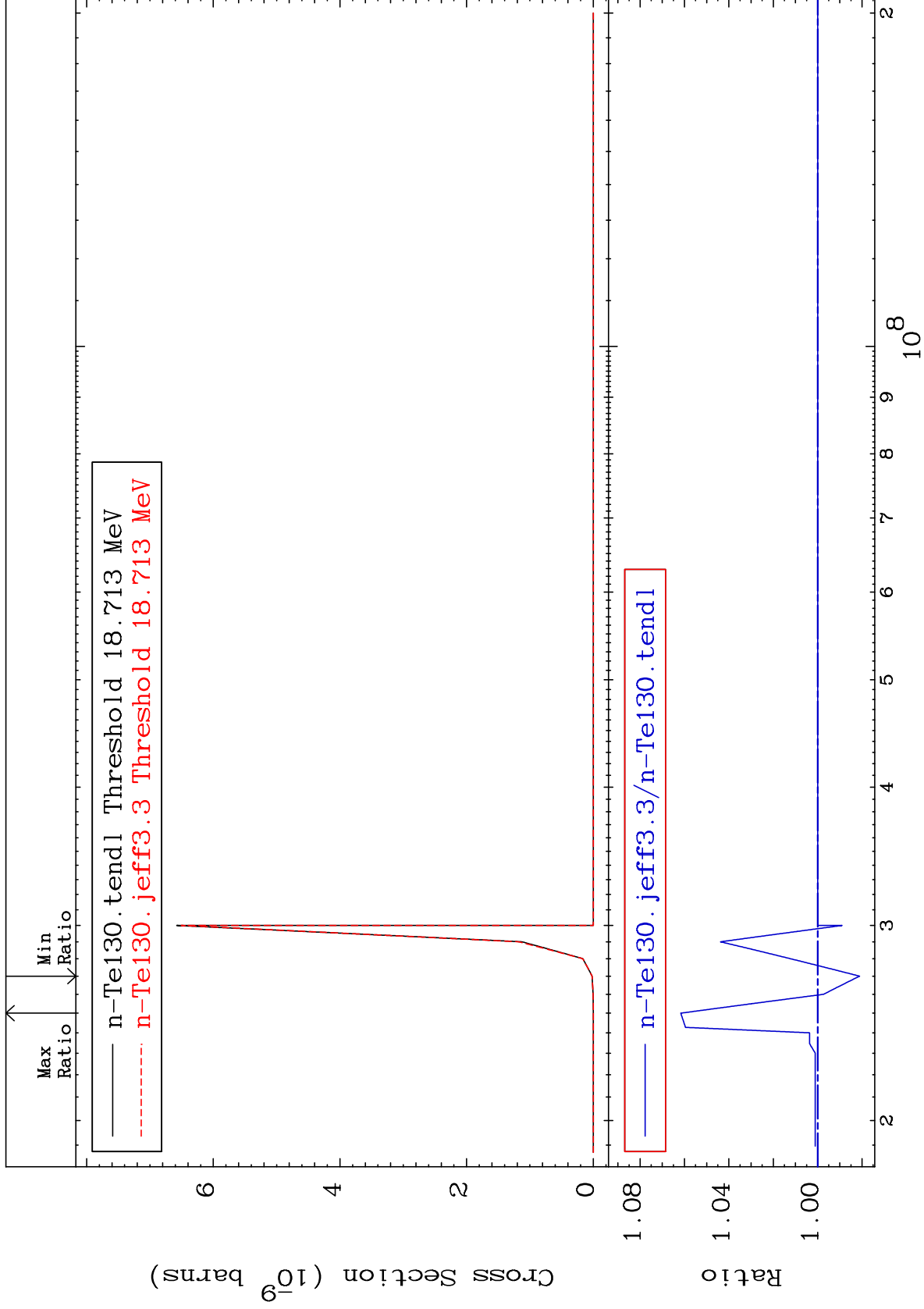
Incident Energy (MeV)

52-Te-130

MAT 5255

(n,2n) p
Cross Section

52-Te-130
-1.887 To 6.168 %



16

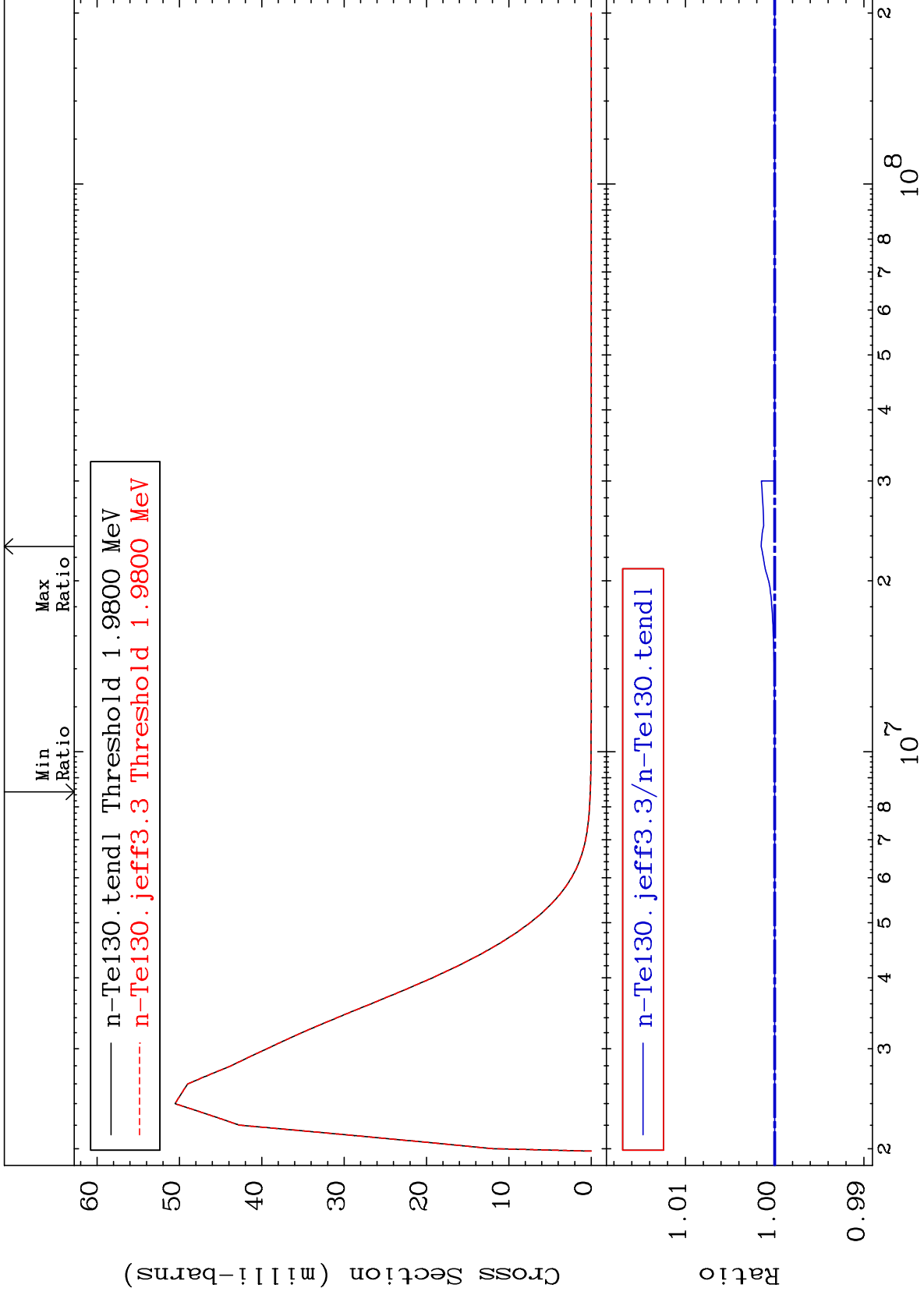
Incident Energy (eV)

52-Te-130

MAT 5255

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

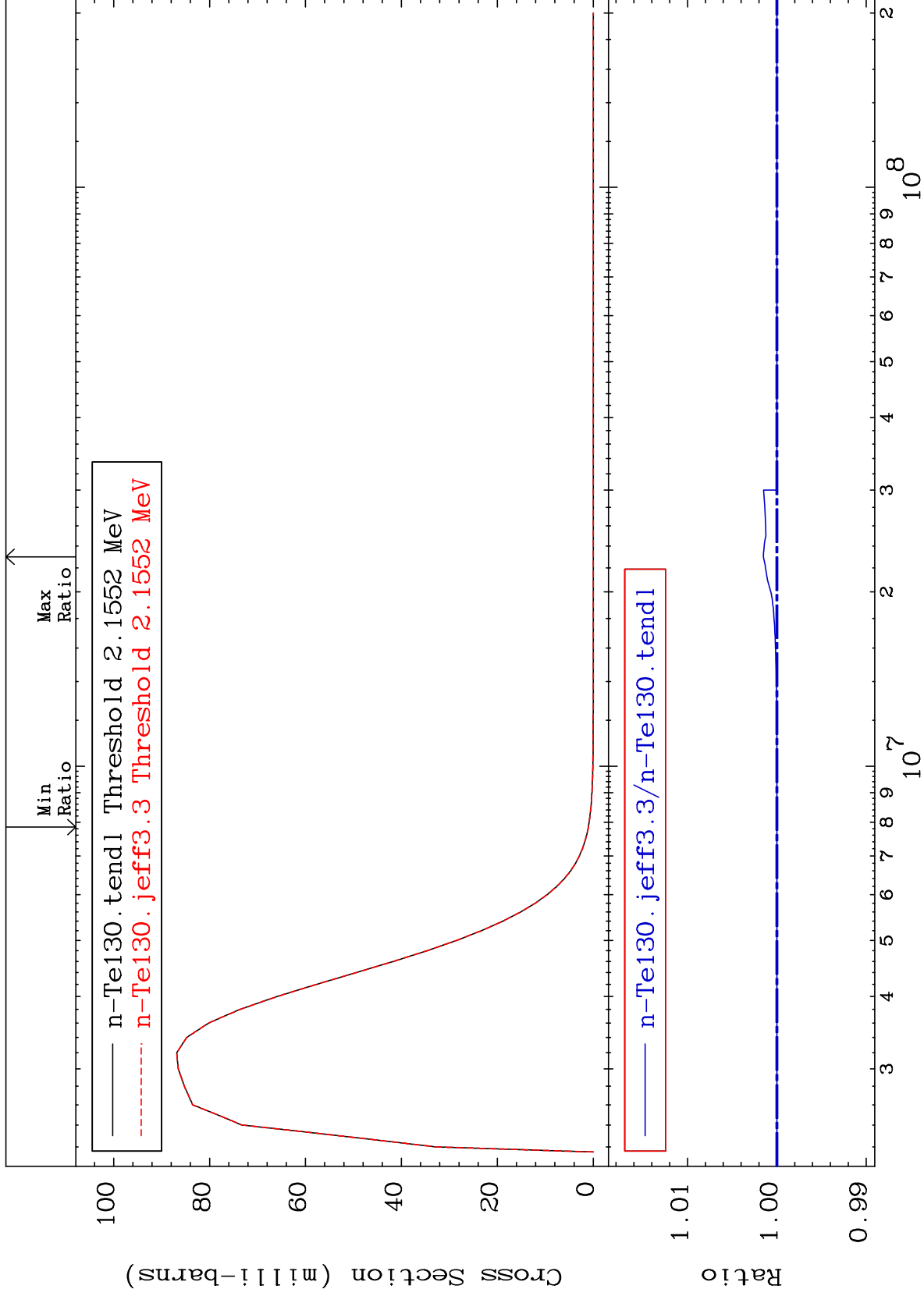
52-Te-130
To 0.150 %



MAT 5255

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

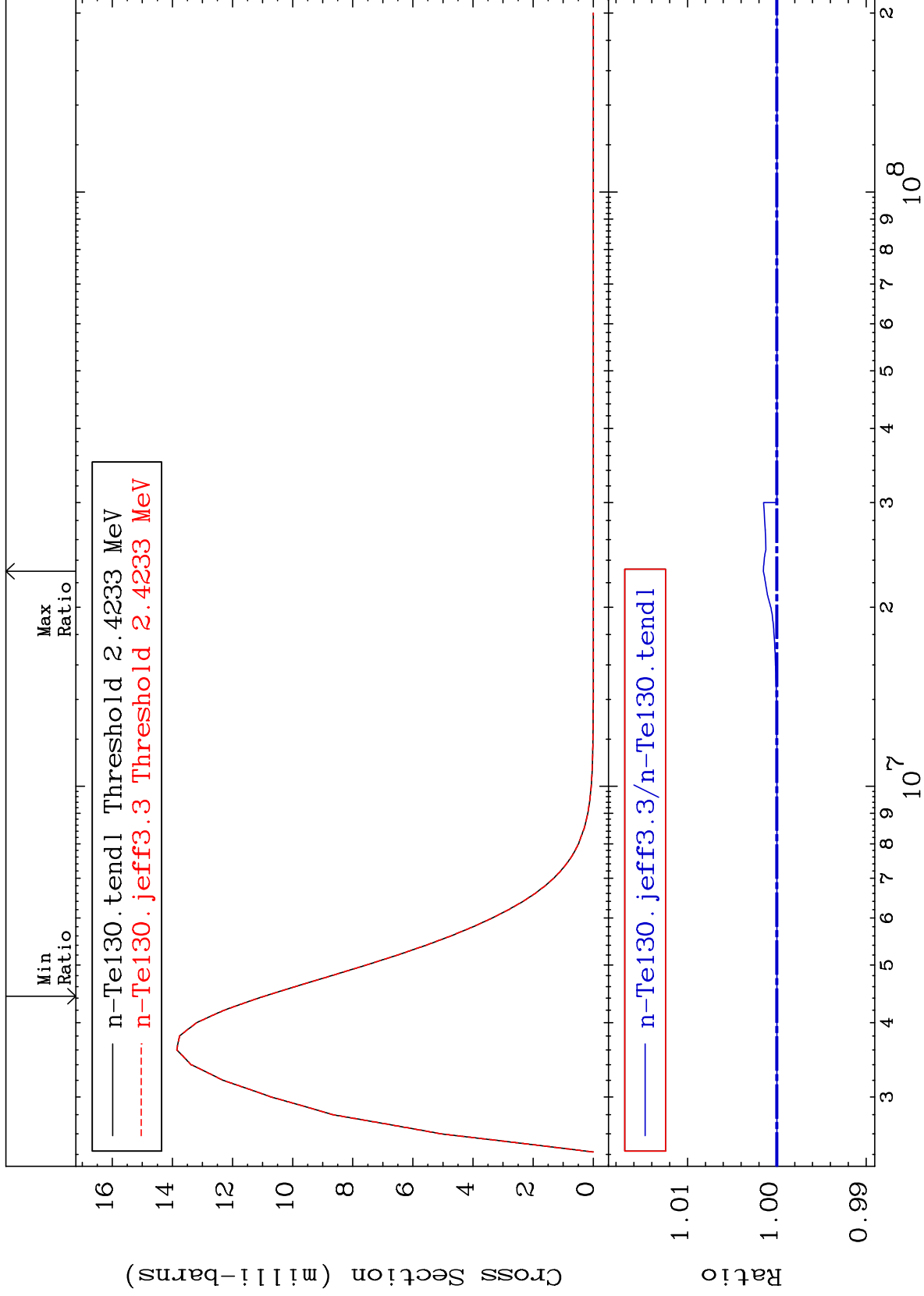
52-Te-130
To 0.150 %



MAT 5255

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

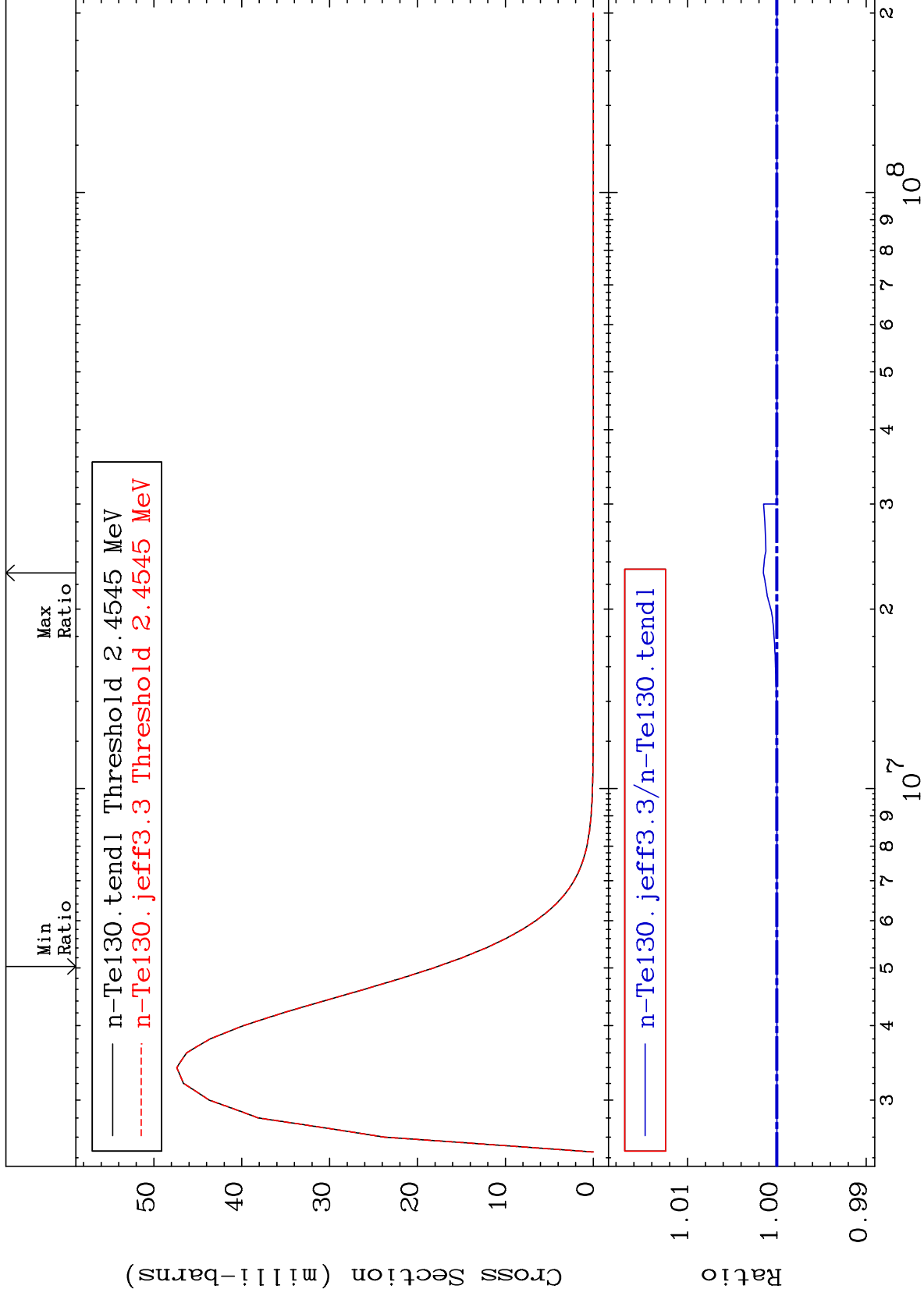
52-Te-130
To 0.150 %



MAT 5255

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

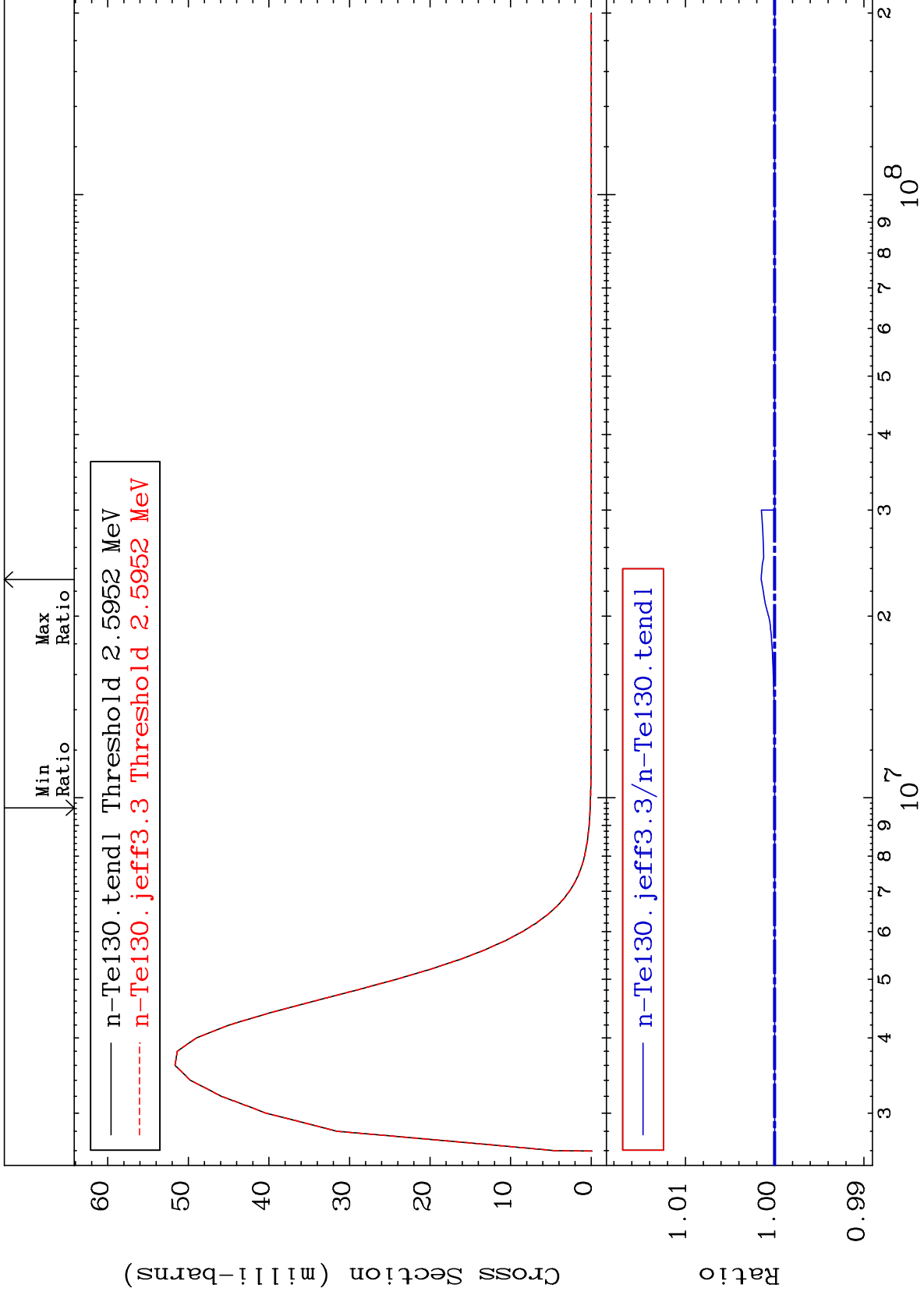
52-Te-130
To 0.150 %



MAT 5255

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

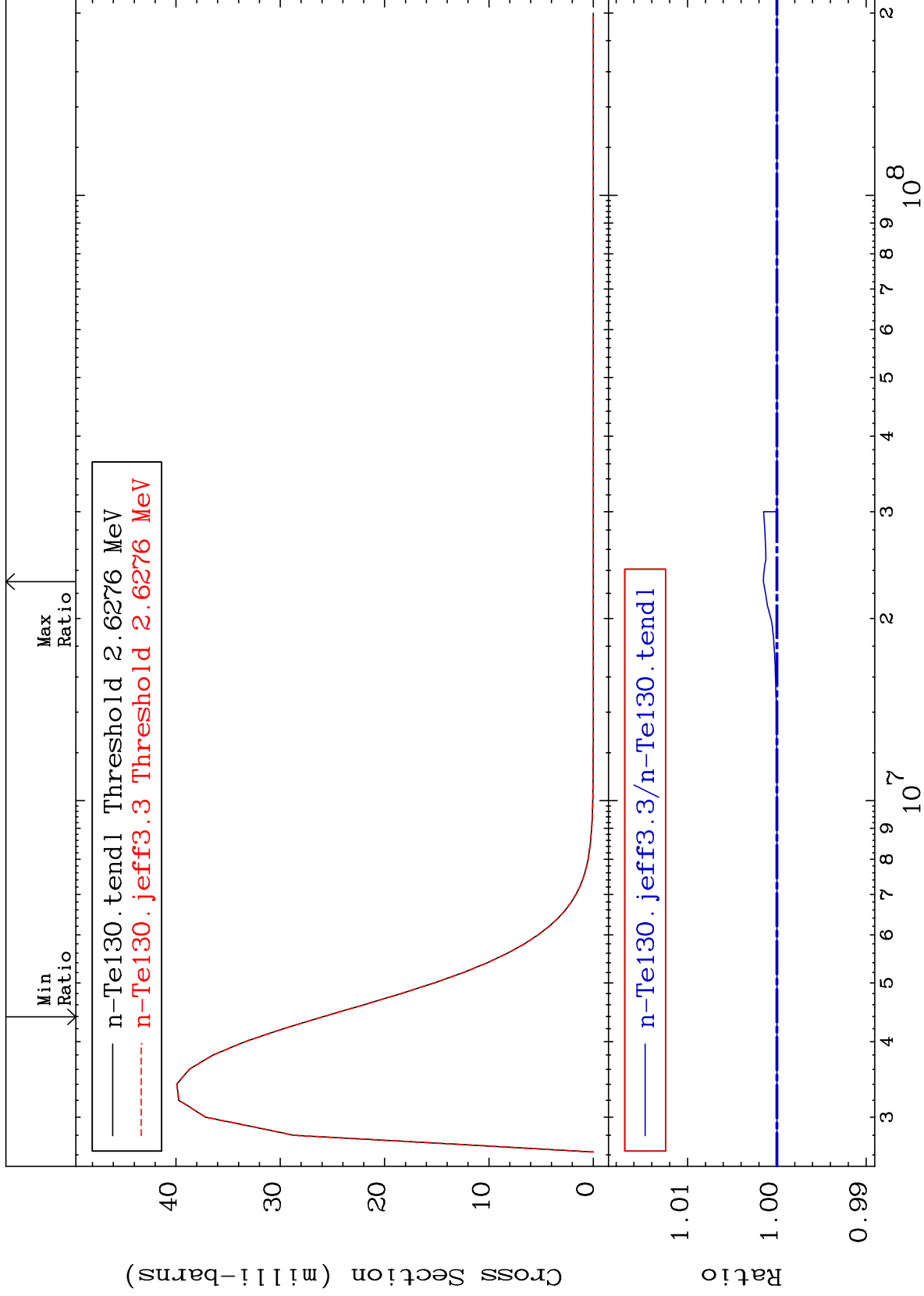
52-Te-130
To 0.150 %



MAT 5255

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

52-Te-130
To 0.150 %

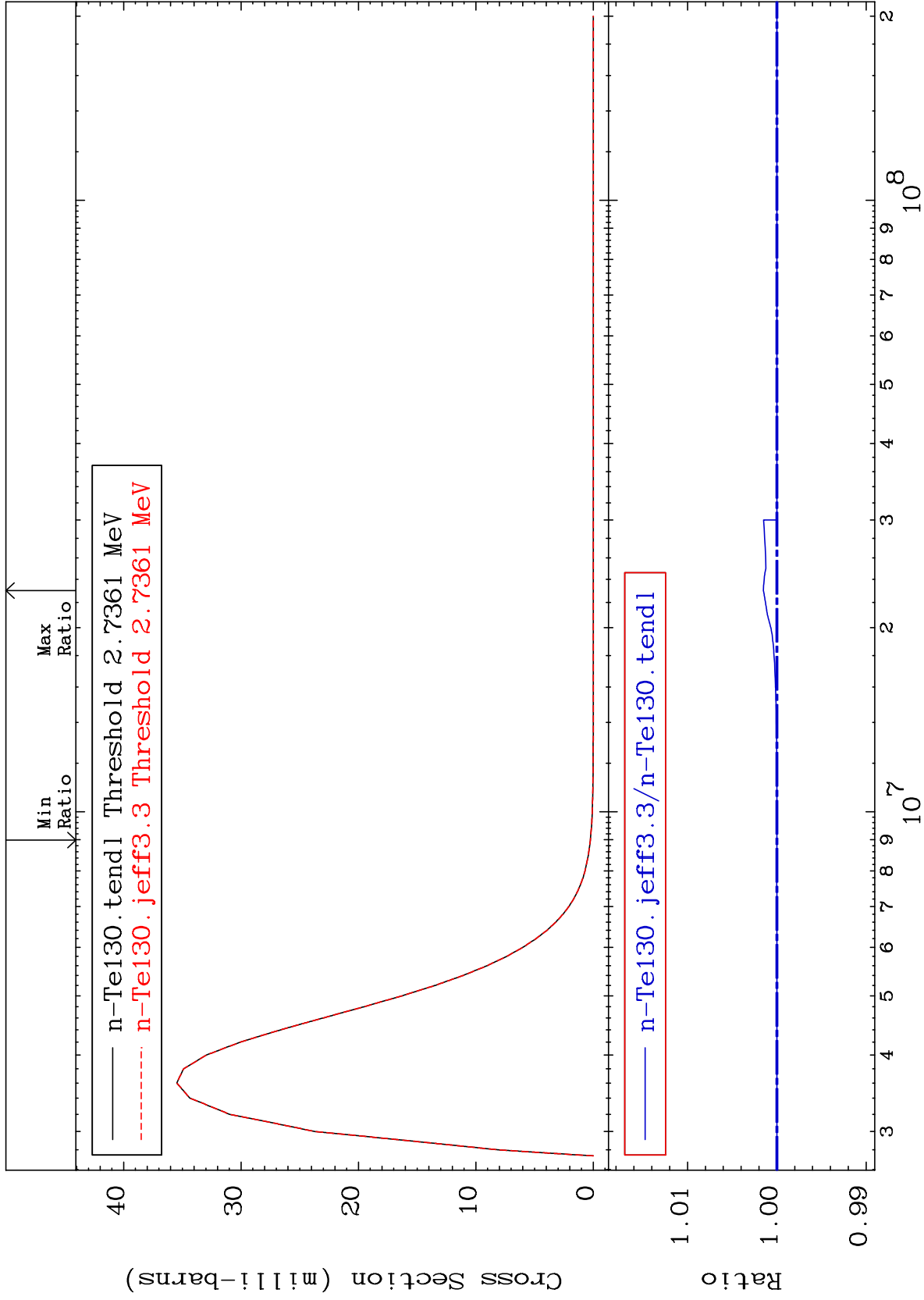


MAT 5255

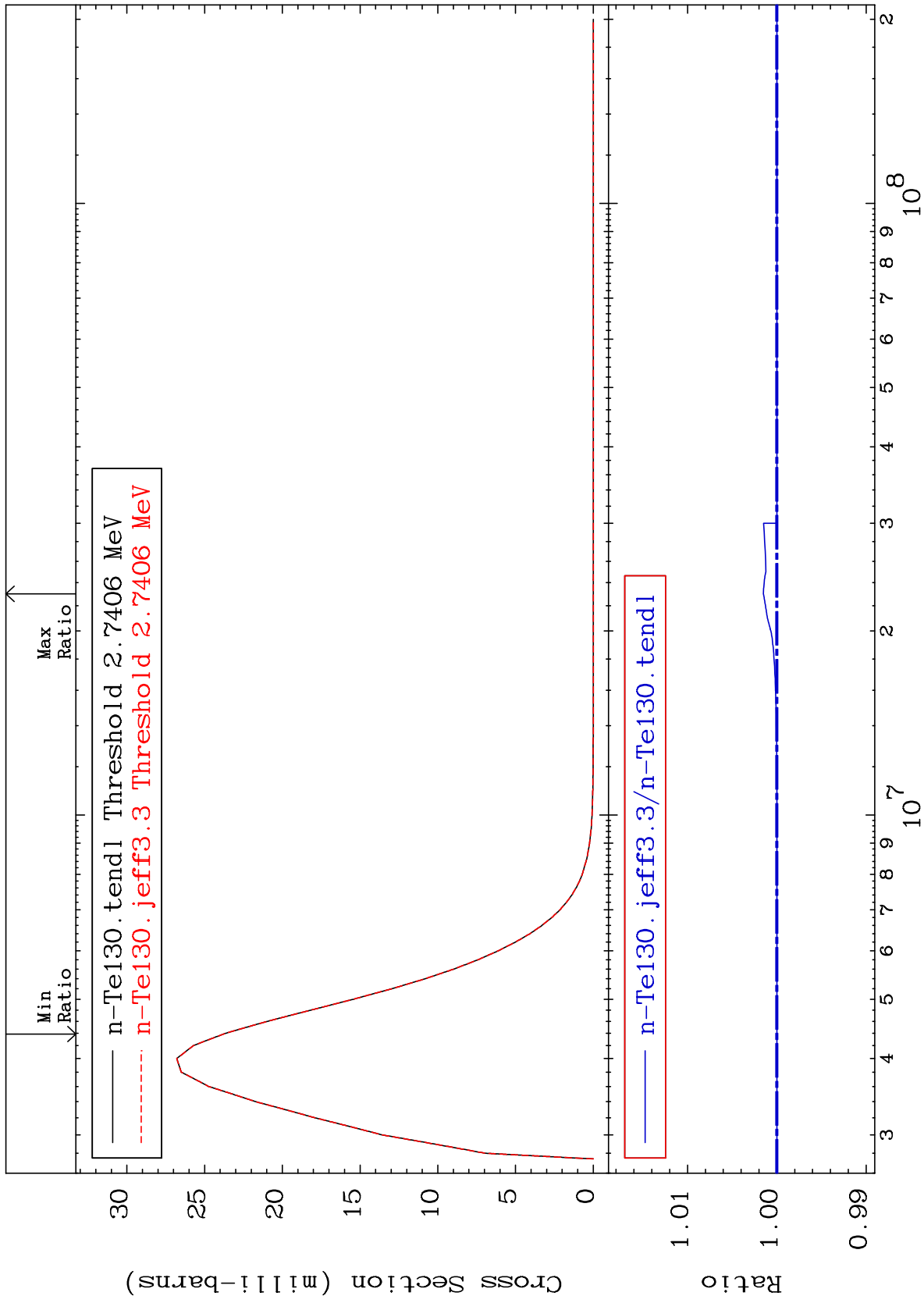
MT= 77 (n,n') Level

52-Te-130

Cross Section
0.000 To 0.150 %



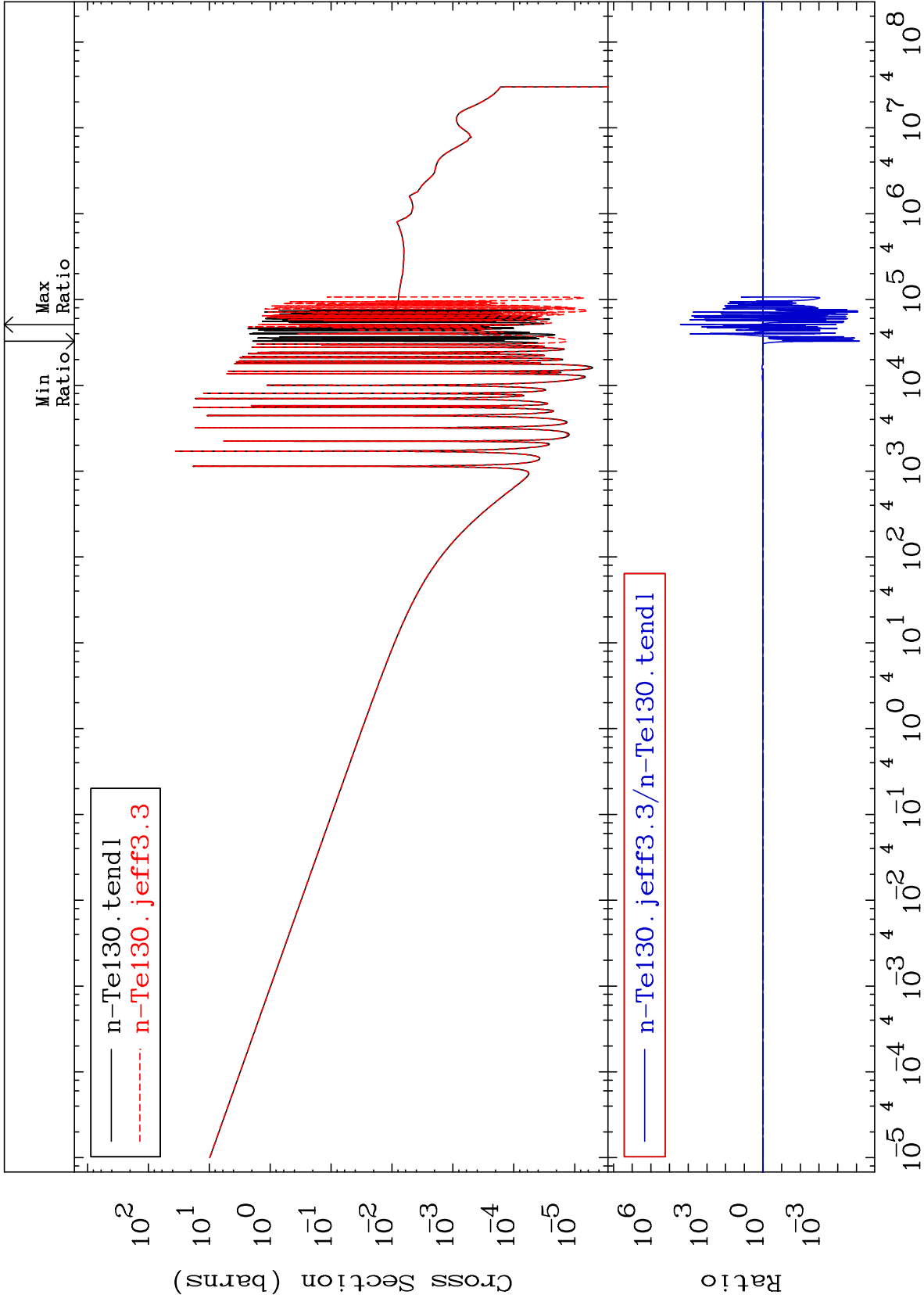
MAT 5255 MT= 78 (n,n') Level Cross Section 52-Te-130 To 0.150 %



MAT 5255

(n, γ)
Cross Section

52-Te-130
-100.0 To 9999. %



MAT 5255

(n, p)

52-Te-130

Cross Section

0.000

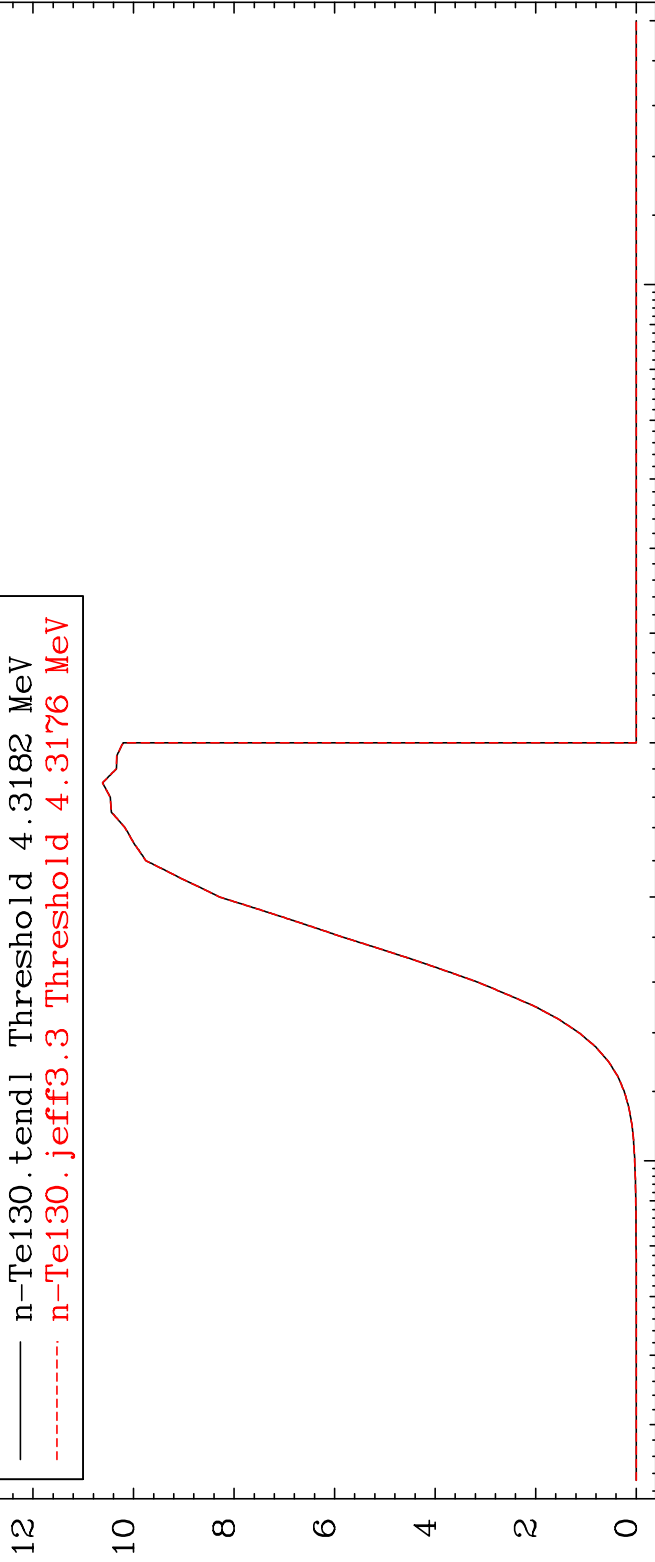
To 13.50 %

Max Ratio

Min Ratio

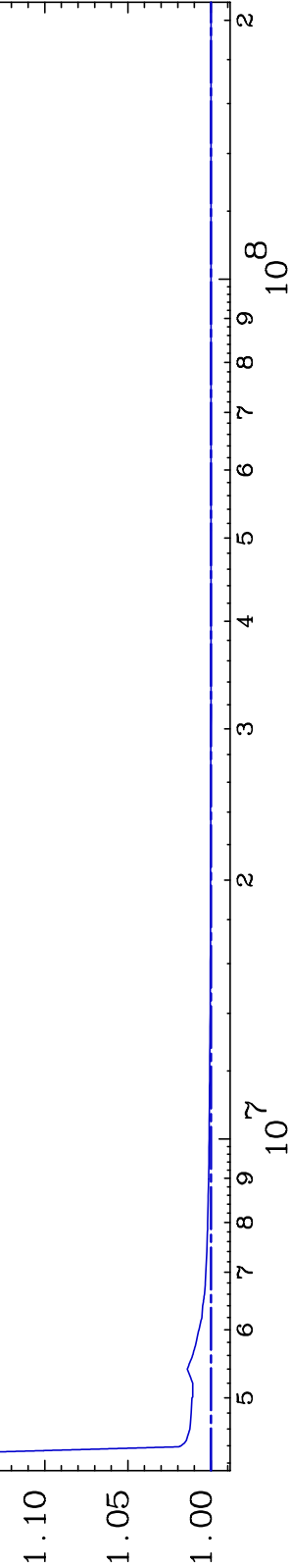
— n-Te130.tendl Threshold 4.3182 MeV
- - - n-Te130.jeff3.3 Threshold 4.3176 MeV

Cross Section (milli-barns)



— n-Te130.jeff3.3/n-Te130.tendl

Ratio



26

Incident Energy (eV)

52-Te-130

MAT 5255

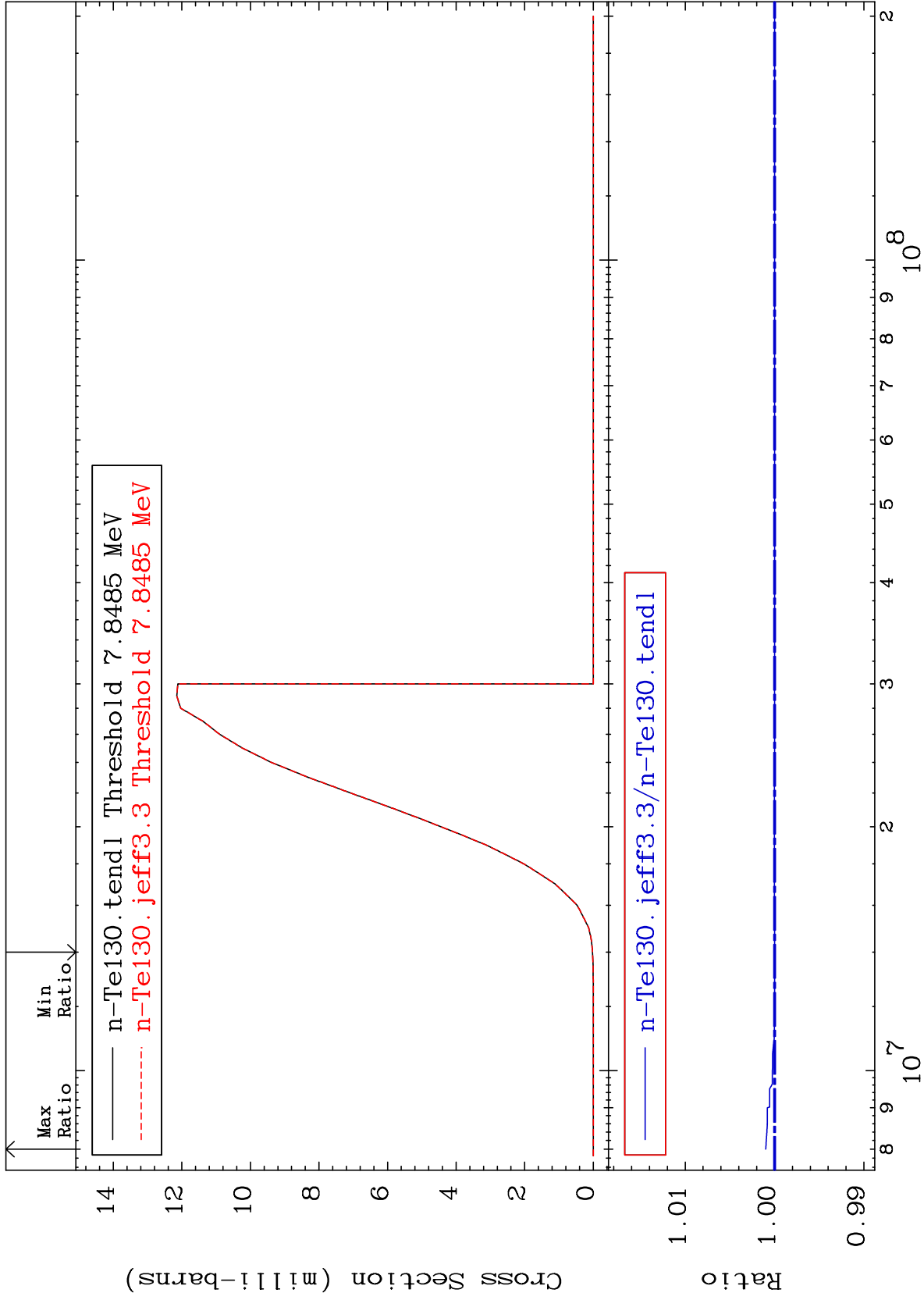
(n, d)

52-Te-130

Cross Section

0.000

To 0.099 %



MAT 5255

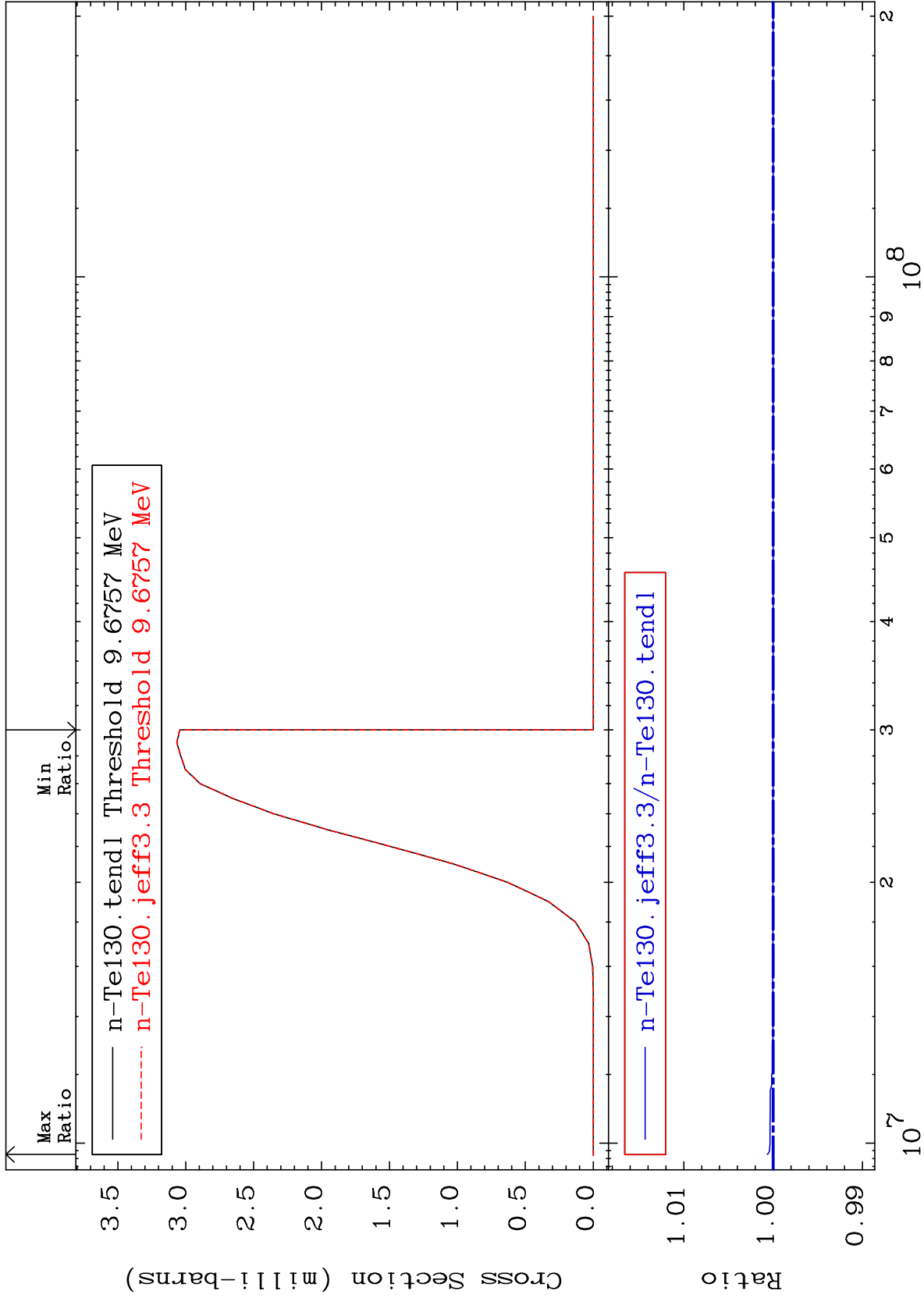
(n, t)

52-Te-130

Cross Section

0.000

To 0.067 %



Incident Energy (eV)

52-Te-130

28

MAT 5255

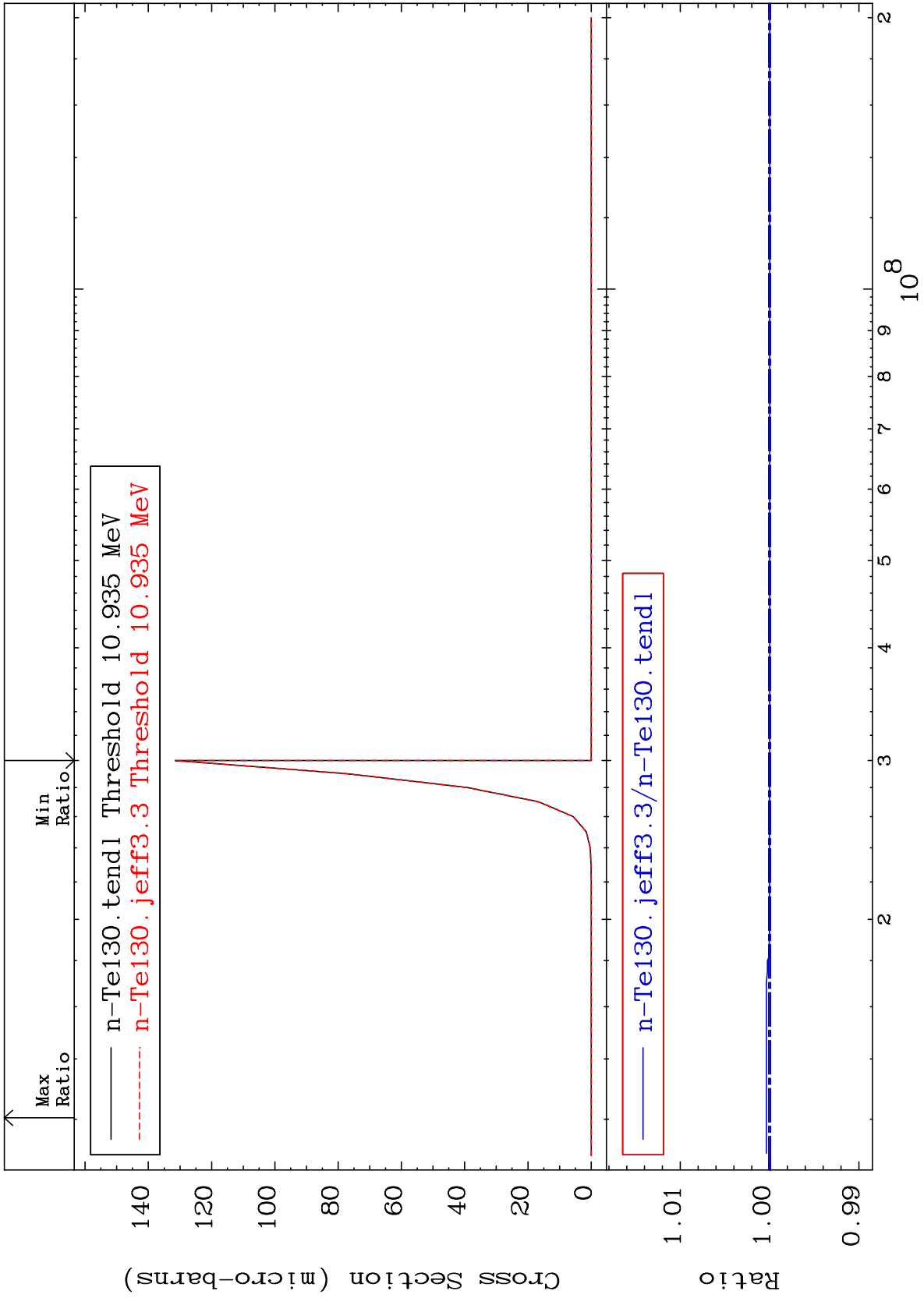
(n, He-3)

52-Te-130

Cross Section

0.000

To 0.037 %



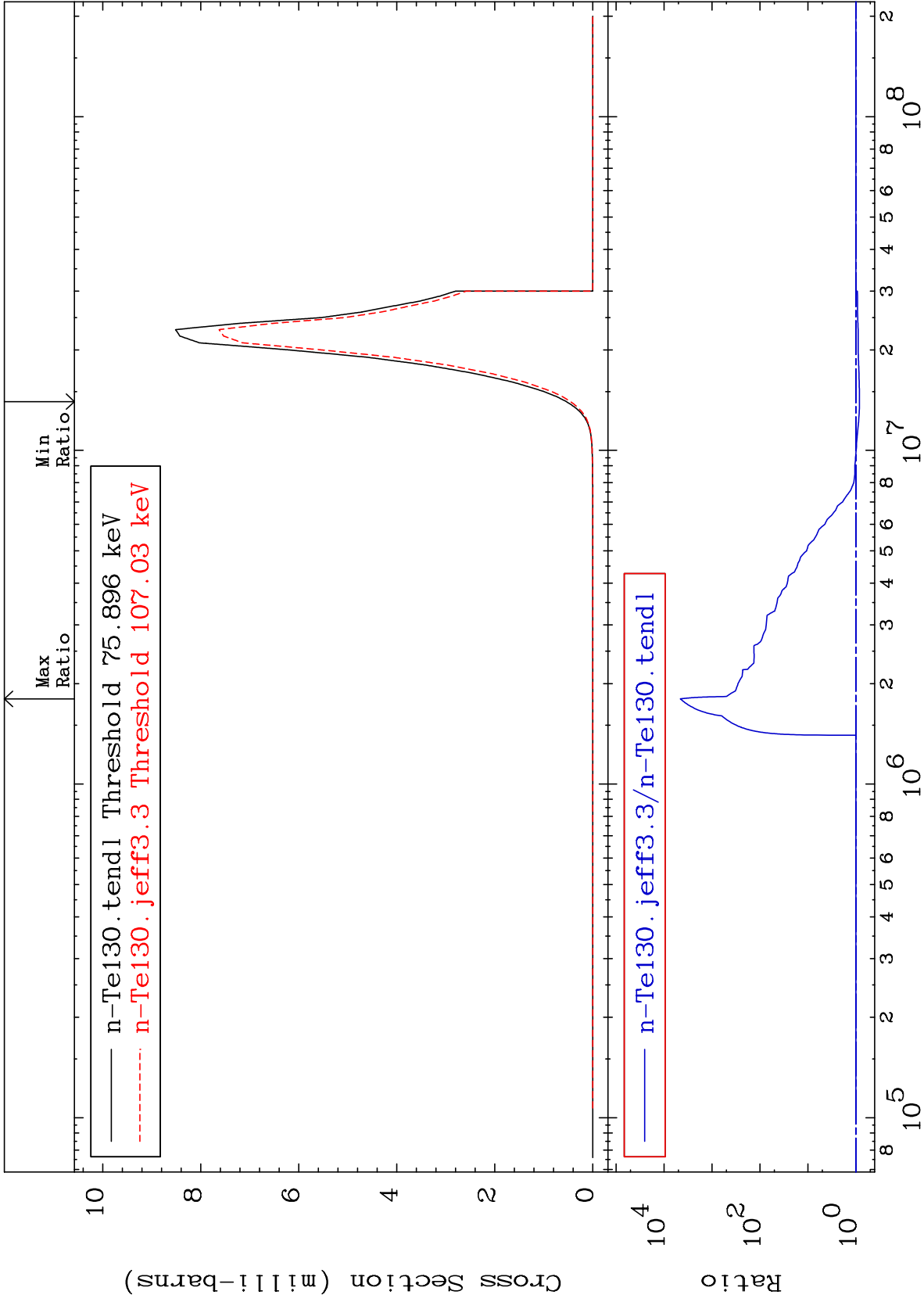
MAT 5255

(n, α)

52-Te-130

Cross Section

-16.00 To 9999. %



MAT 5255

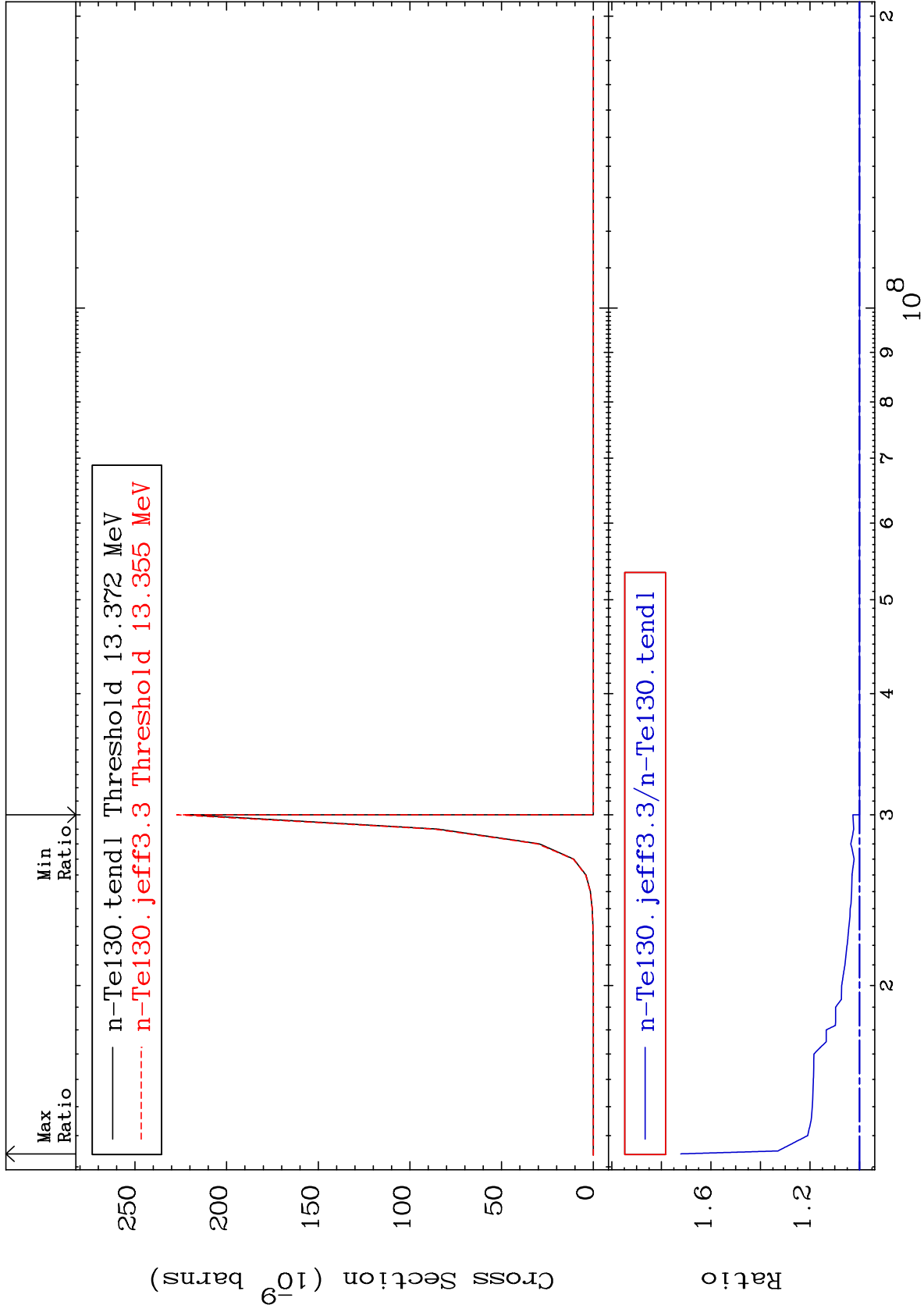
(n,2p)

52-Te-130

Cross Section

0.000

To 72.18 %



31

Incident Energy (eV)

52-Te-130

MAT 5255

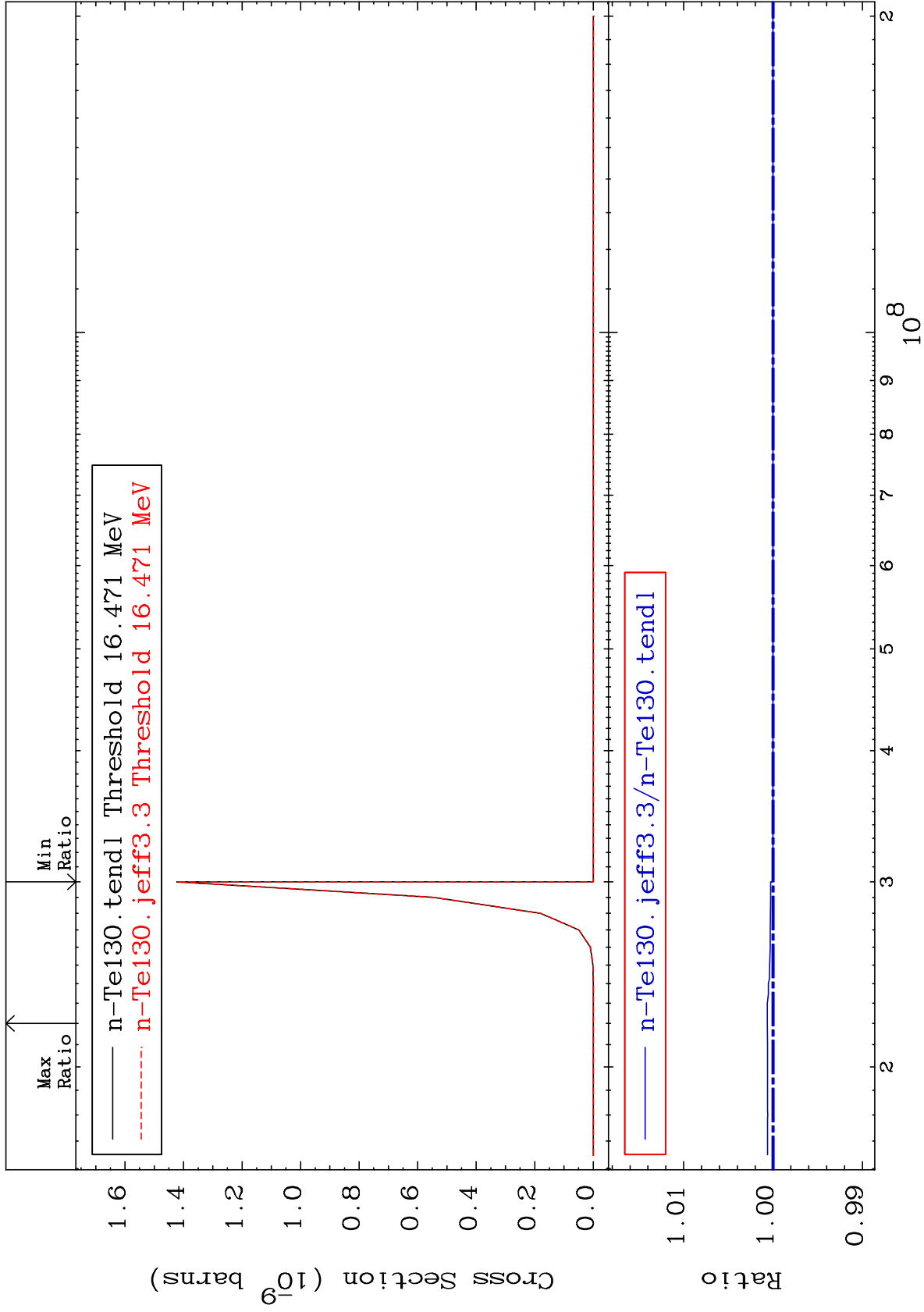
(n,p) d

52-Te-130

Cross Section

0.000

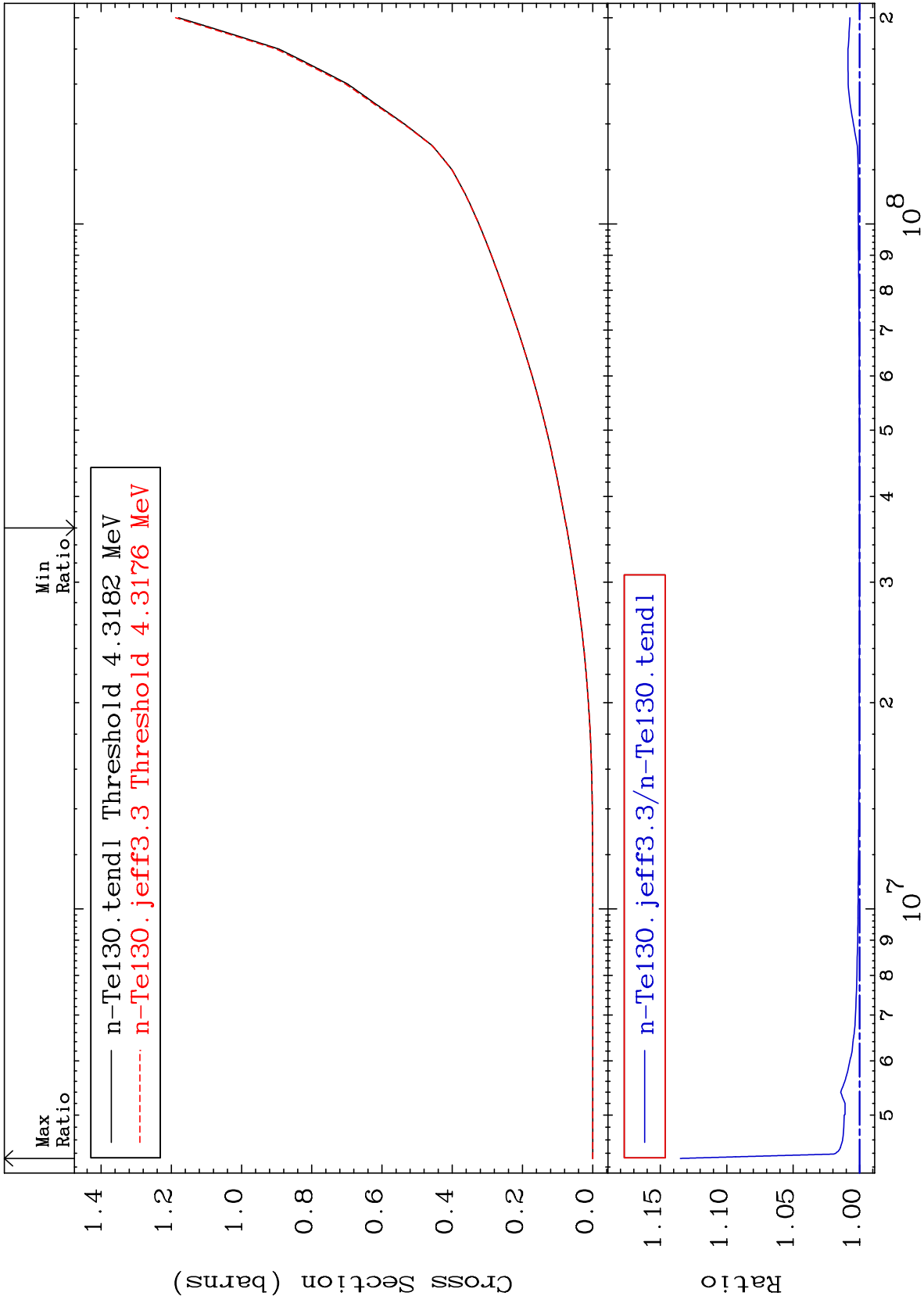
To 0.064 %



MAT 5255

Hydrogen Production
Cross Section

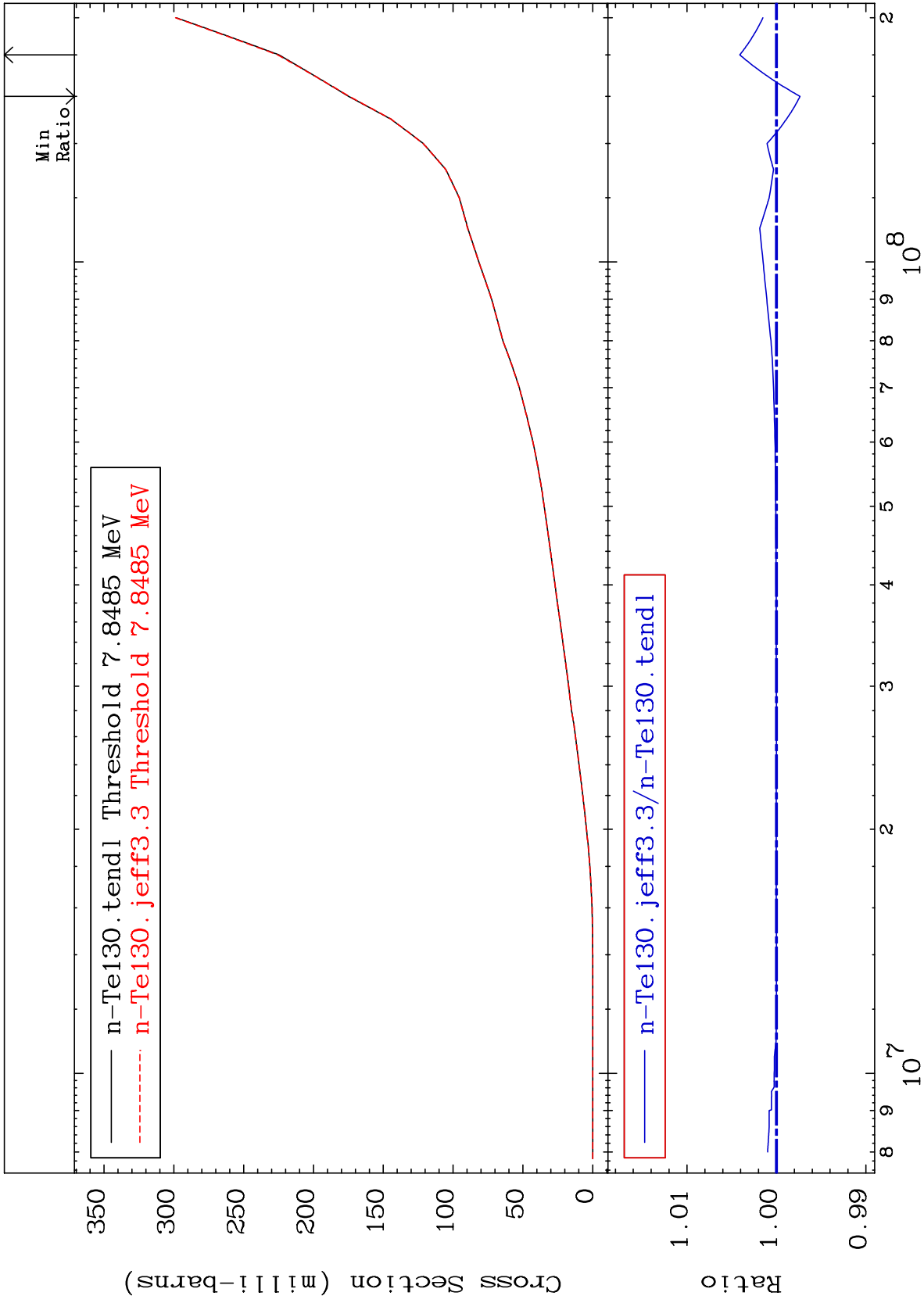
52-Te-130
To 13.50 %



MAT 5255

Deuterium Production
Cross Section

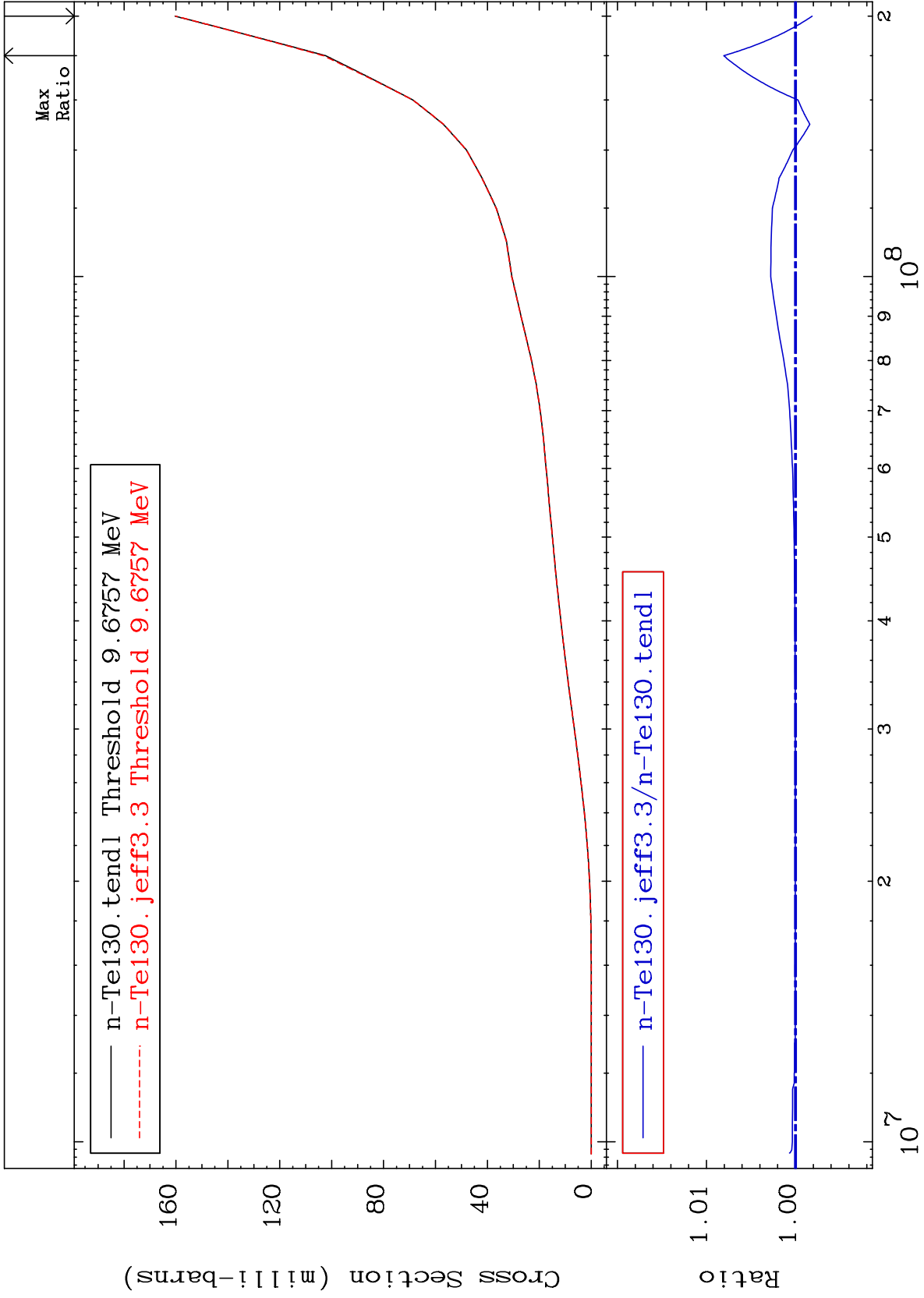
52-Te-130
-0.264 To 0.410 %



MAT 5255

Tritium Production
Cross Section

52-Te-130
-0.188 To 0.807 %



35

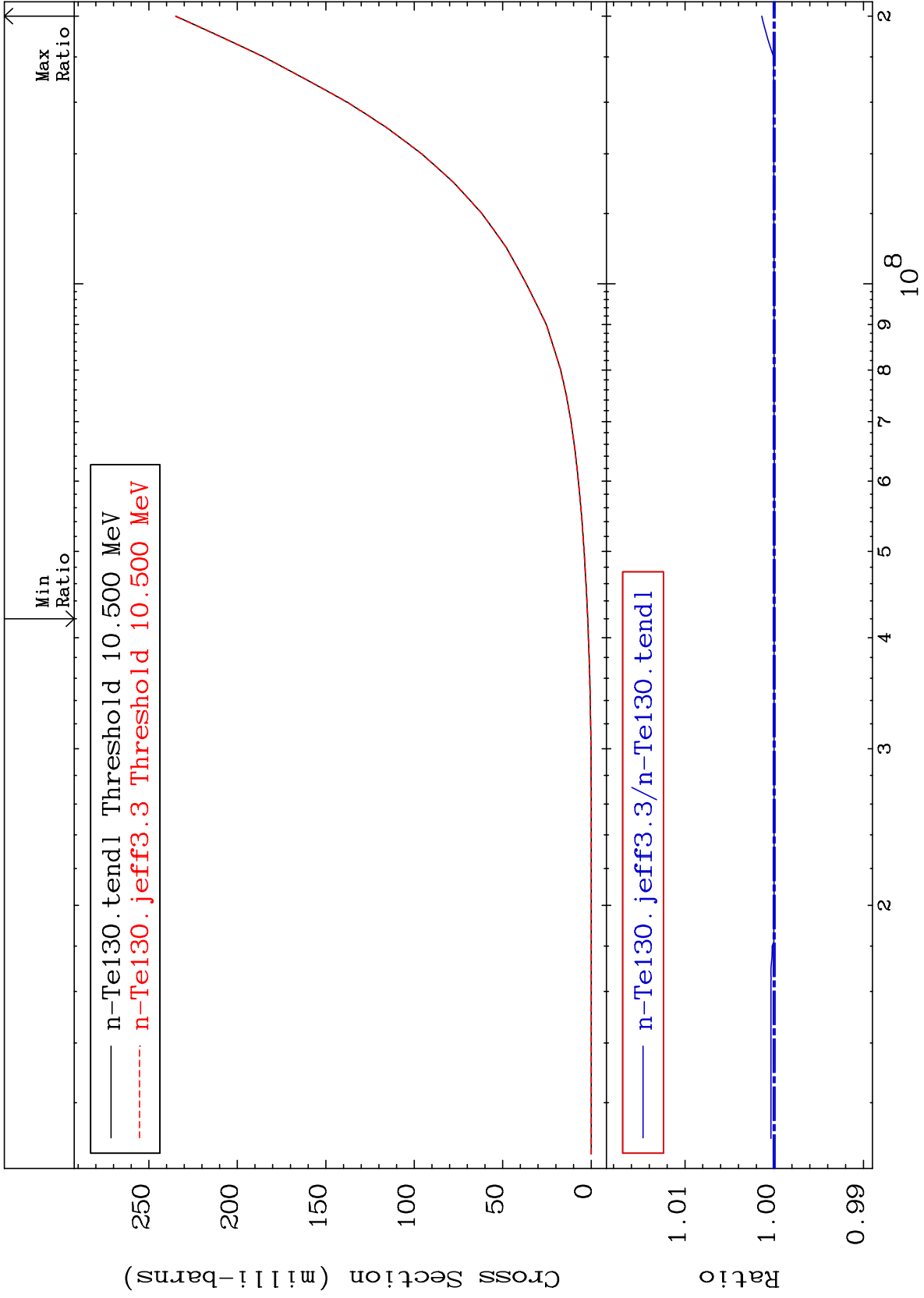
Incident Energy (eV)

52-Te-130

MAT 5255

He-3 Production
Cross Section

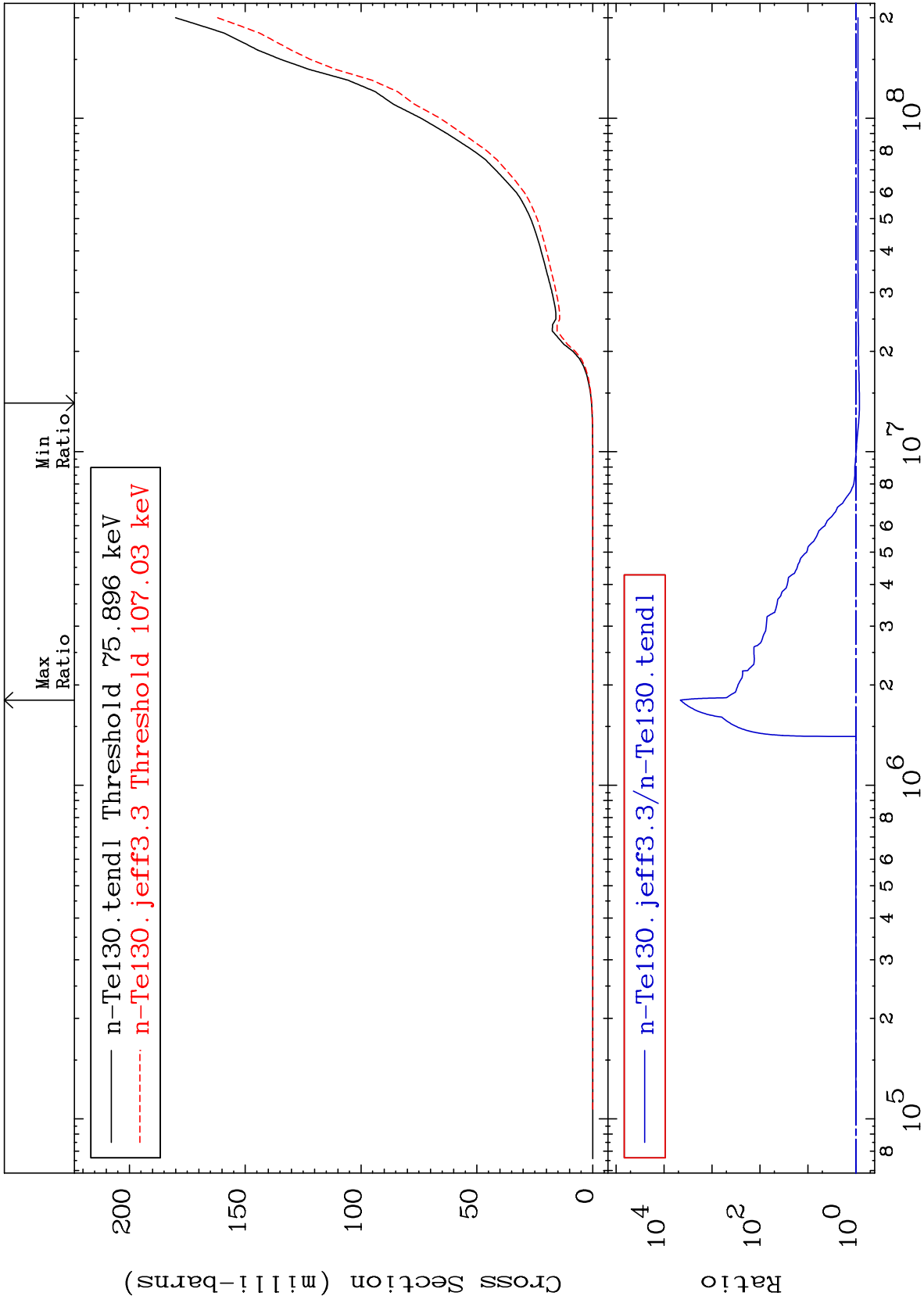
52-Te-130
To 0.140 %



MAT 5255

He-4 Production
Cross Section

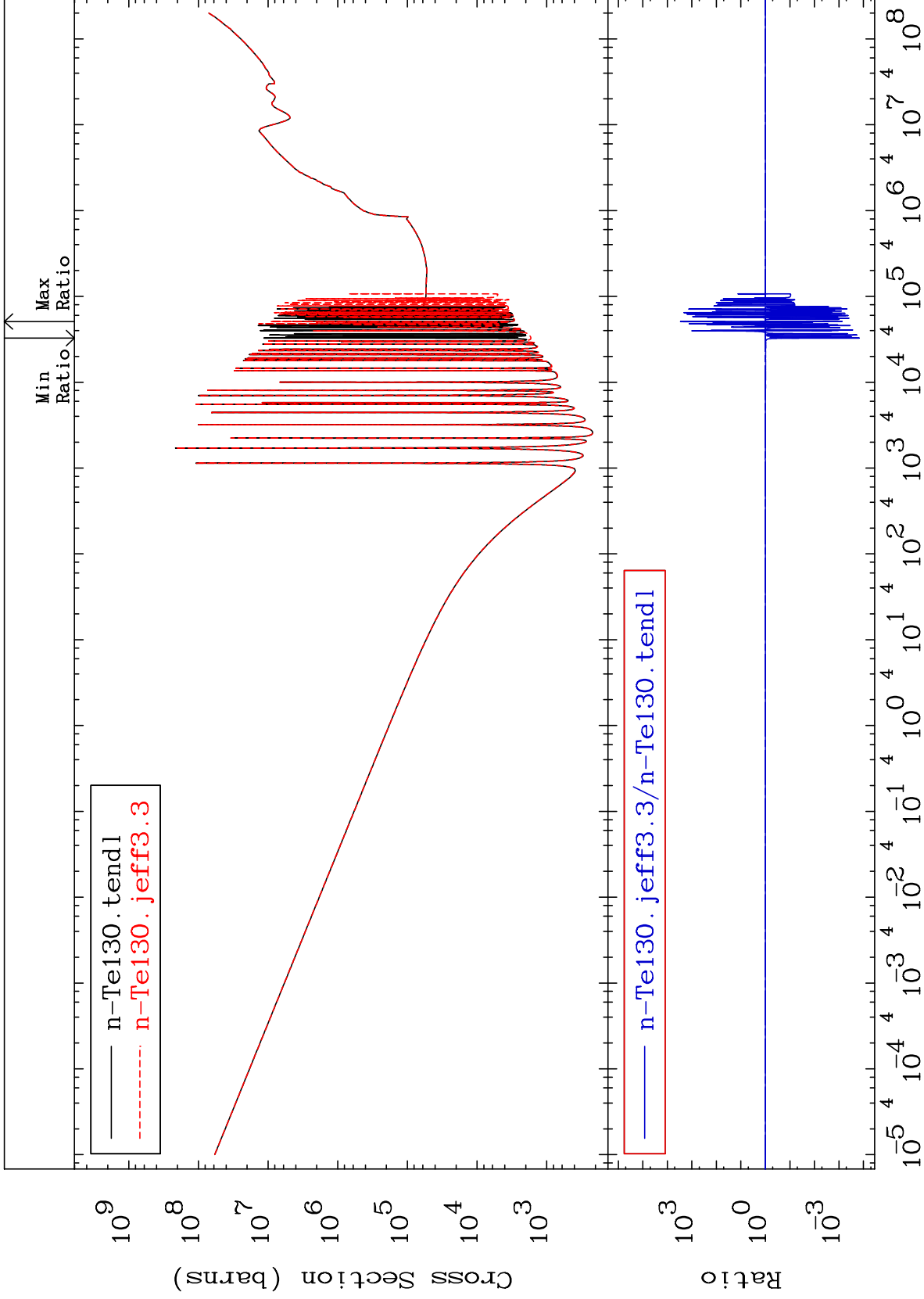
52-Te-130
-15.93 To 9999. %



37

Incident Energy (eV)

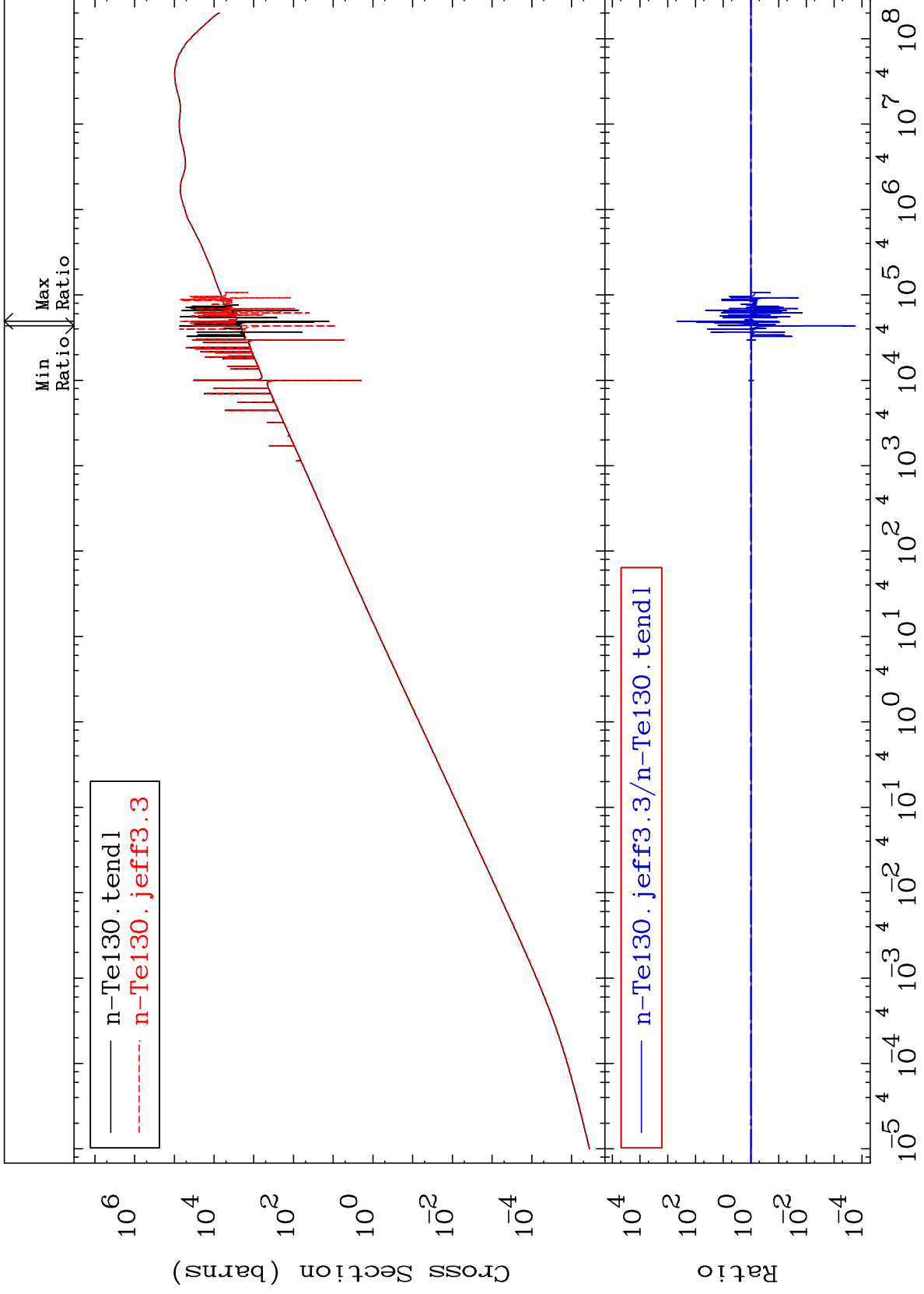
52-Te-130



MAT 5255

Kerma elastic
Cross Section

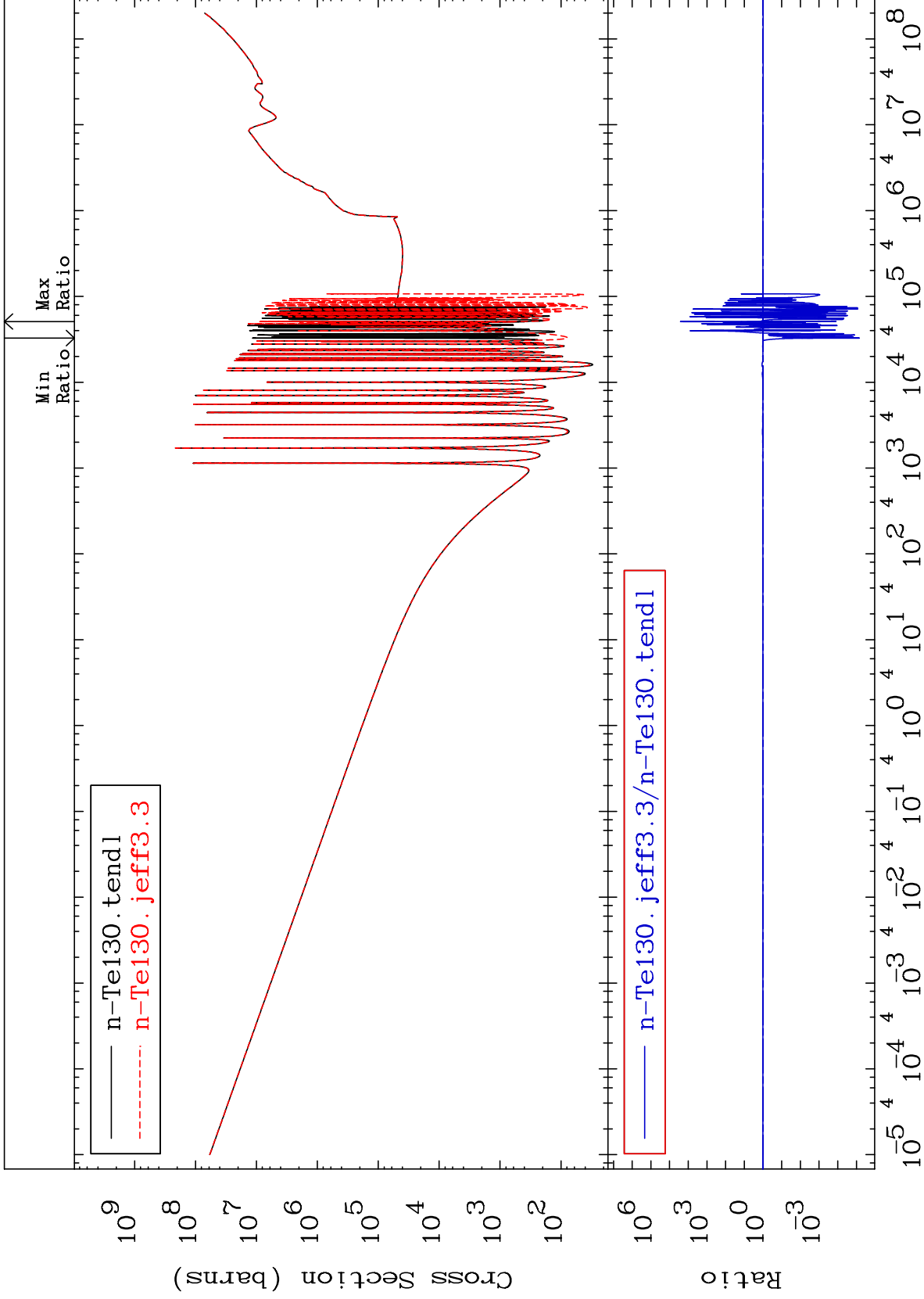
52-Te-130
-99.98 To 9999. %



MAT 5255

Kerma non-elastic (all but mt2)
Cross Section

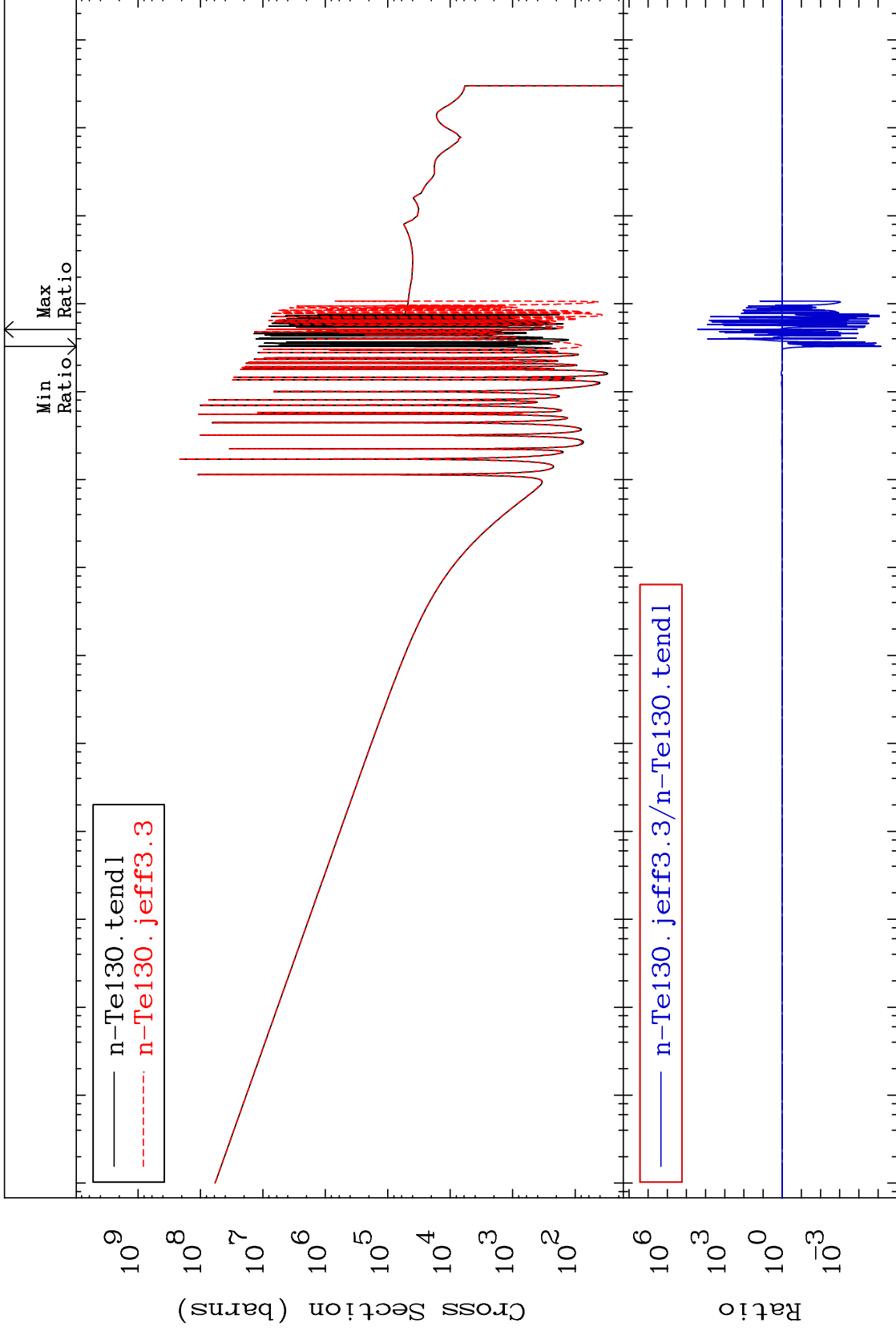
52-Te-130
-100.0 To 9999. %



MAT 5255

Kerma capture (mt102)
Cross Section

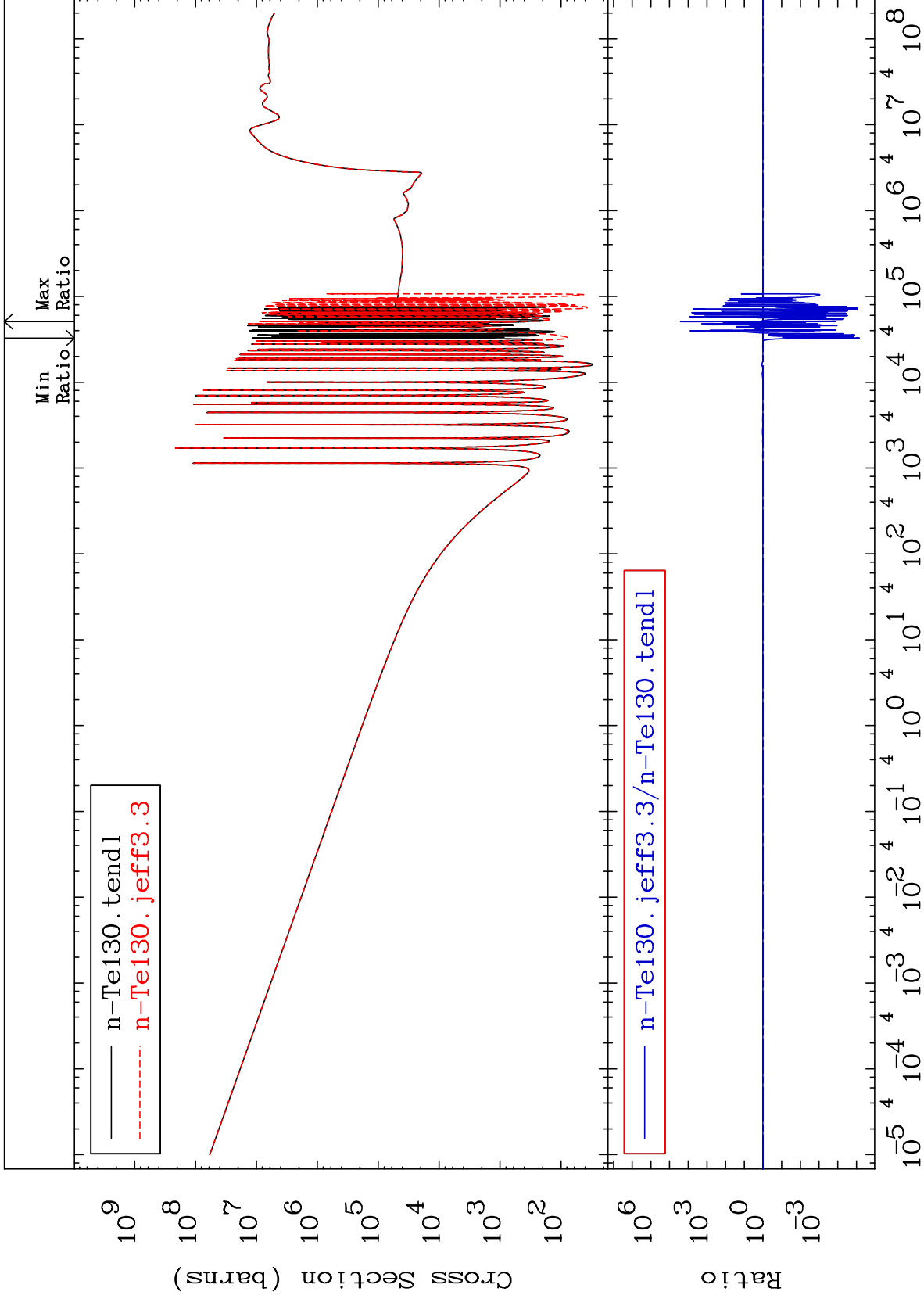
52-Te-130
-100.0 To 9999. %



MAT 5255

Total photon (eV-barns)
Cross Section

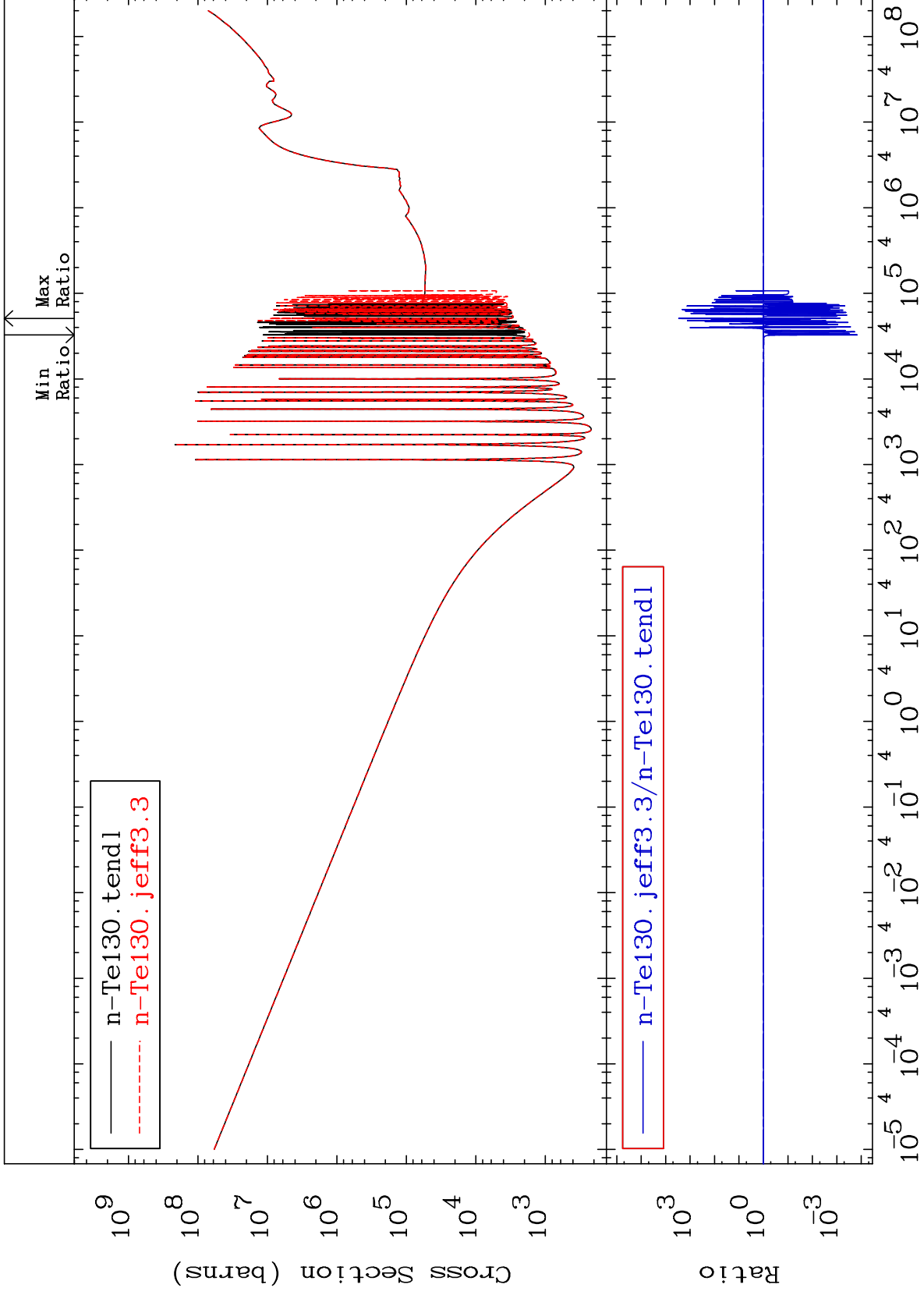
52-Te-130
-100.0 To 9999. %



MAT 5255

Total kinematic kerma (high limit)
Cross Section

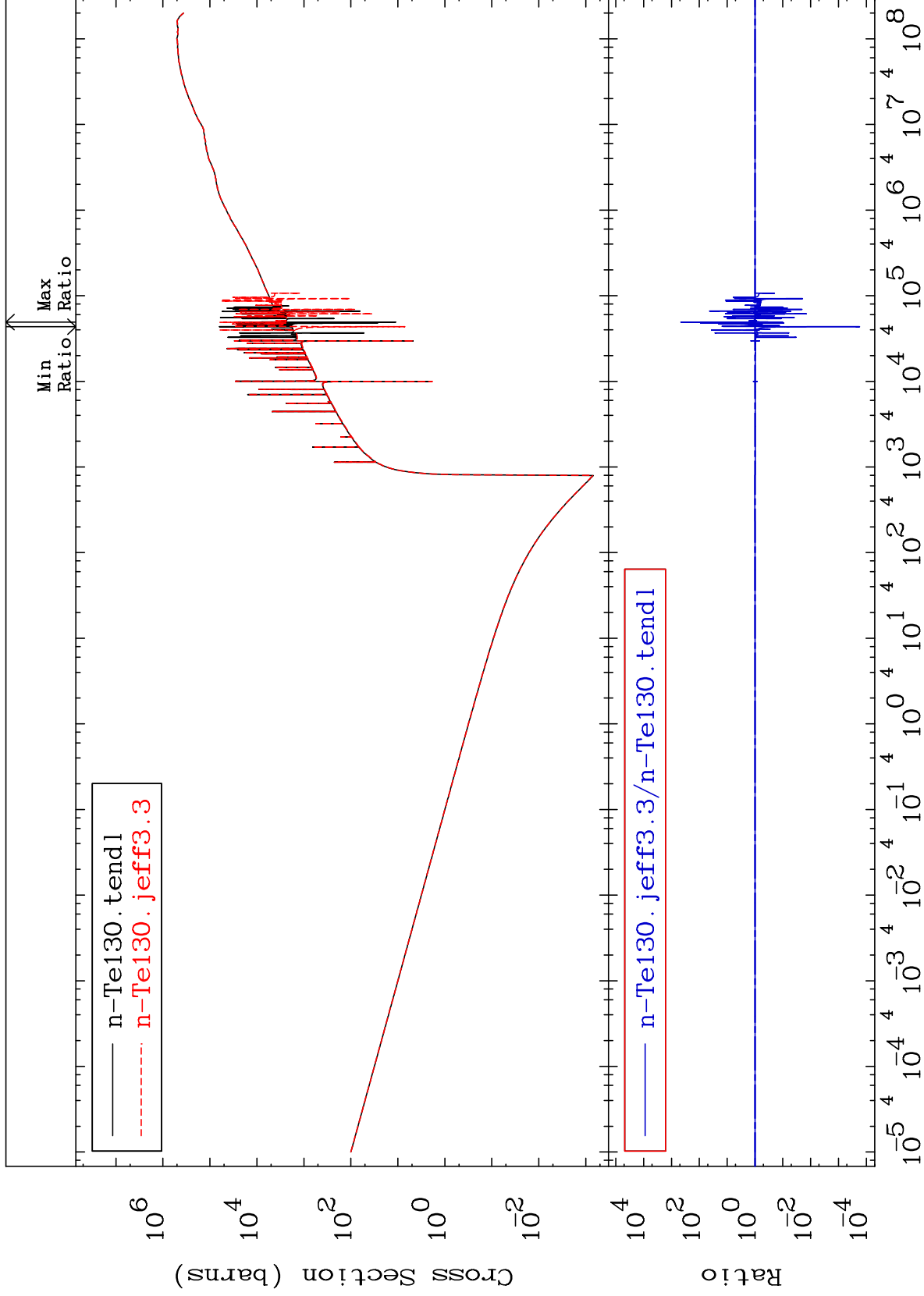
52-Te-130
-99.99 To 9999. %



MAT 5255

Dpa total (eV-barns)
Cross Section

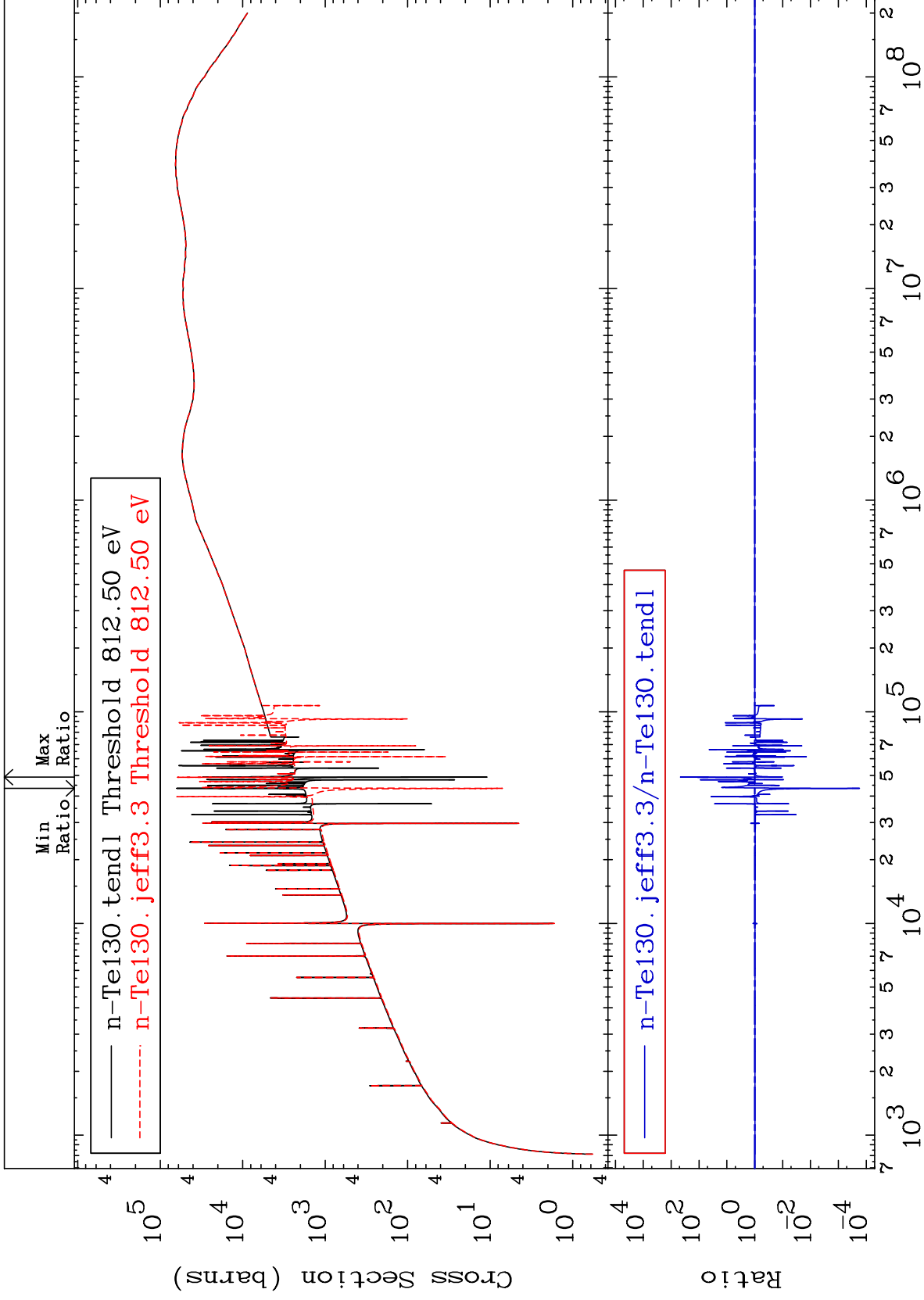
52-Te-130
-99.98 To 9999. %



MAT 5255

Dpa elastic (mt2)
Cross Section

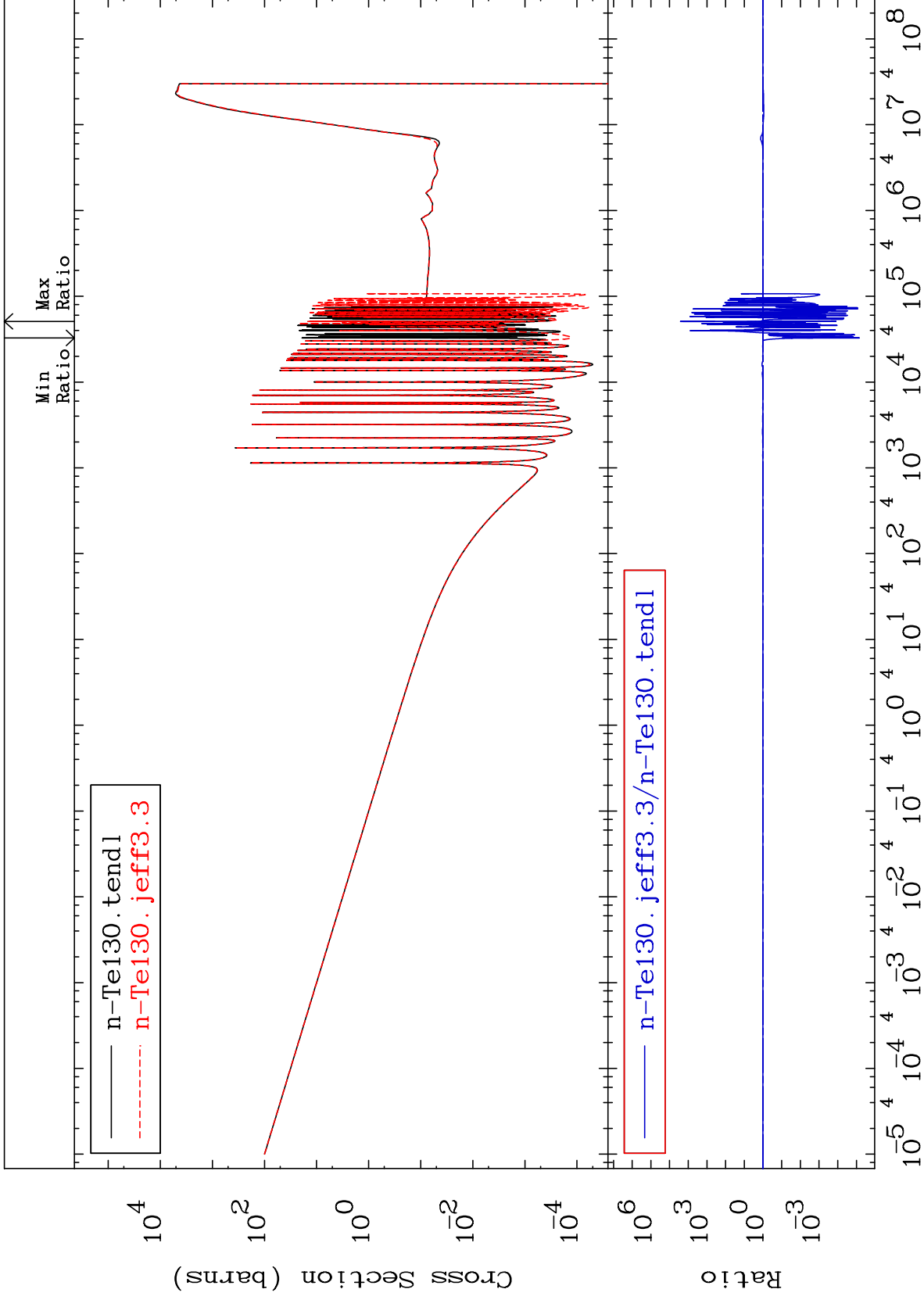
52-Te-130
-99.98 To 9999. %



45

Incident Energy (eV)

52-Te-130

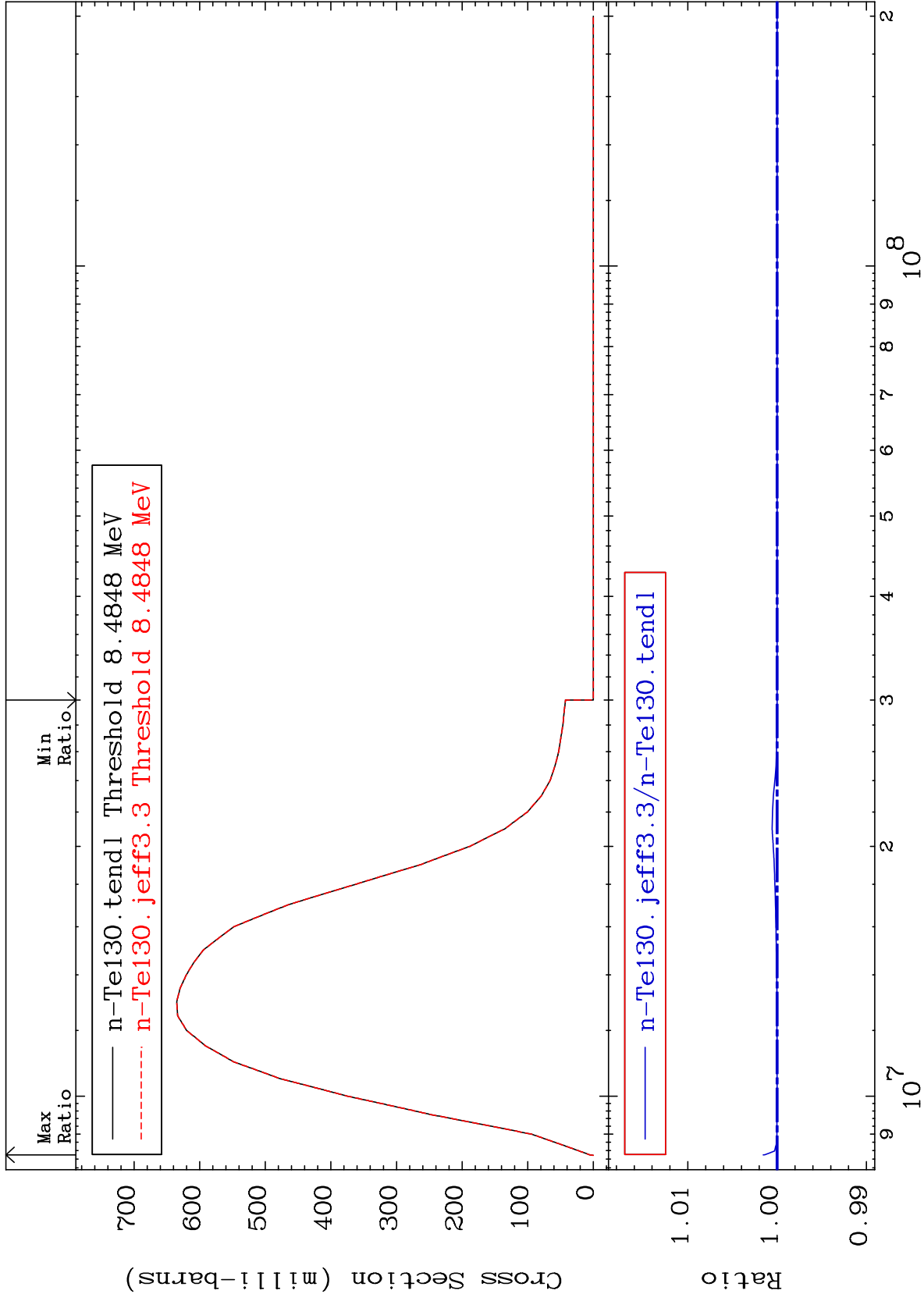


MAT 5255

(n,2n):52-Te-129g

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.156 %



47

Incident Energy (eV)

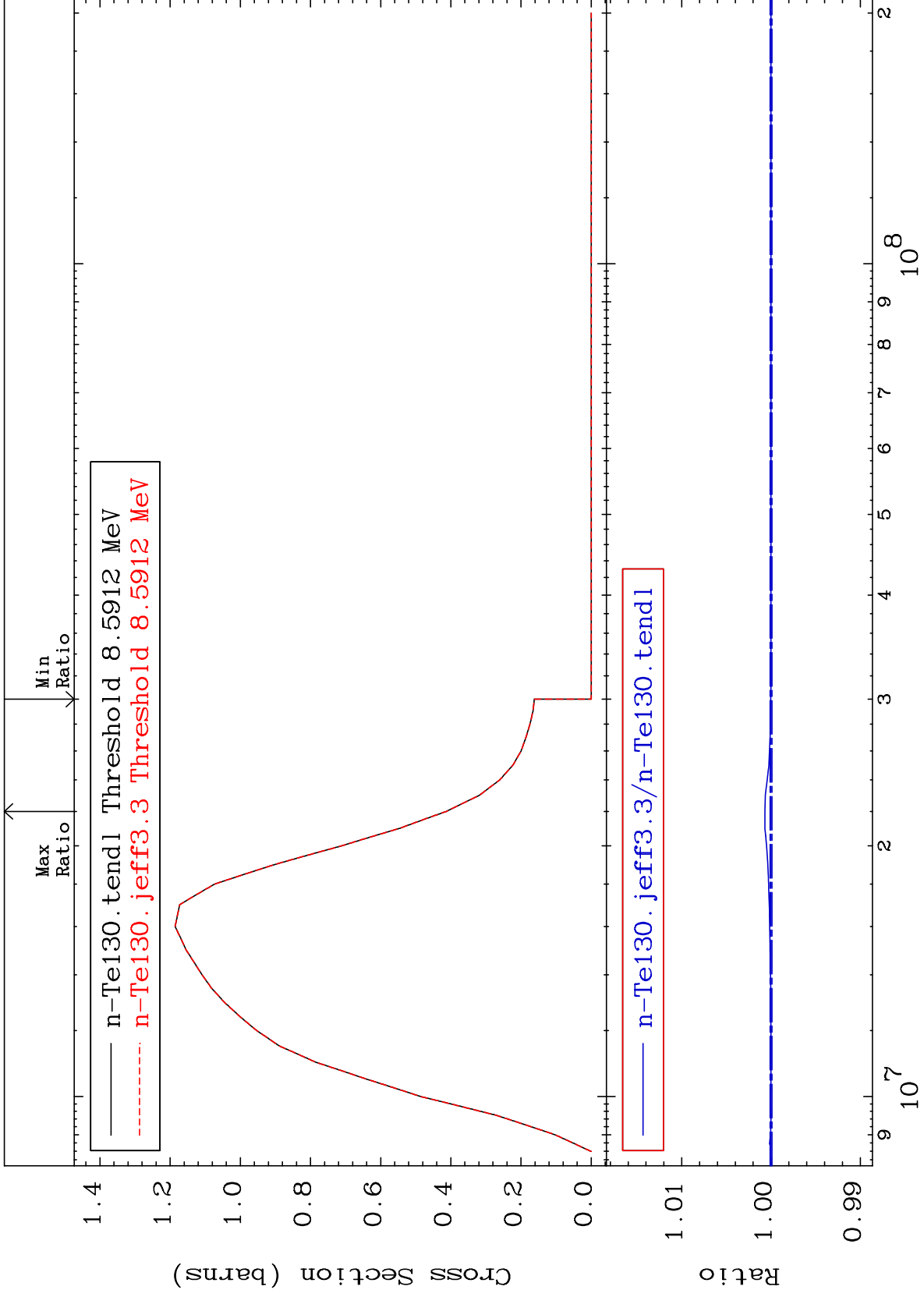
52-Te-130

MAT 5255

(n,2n):52-Te-129m1

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.069 %

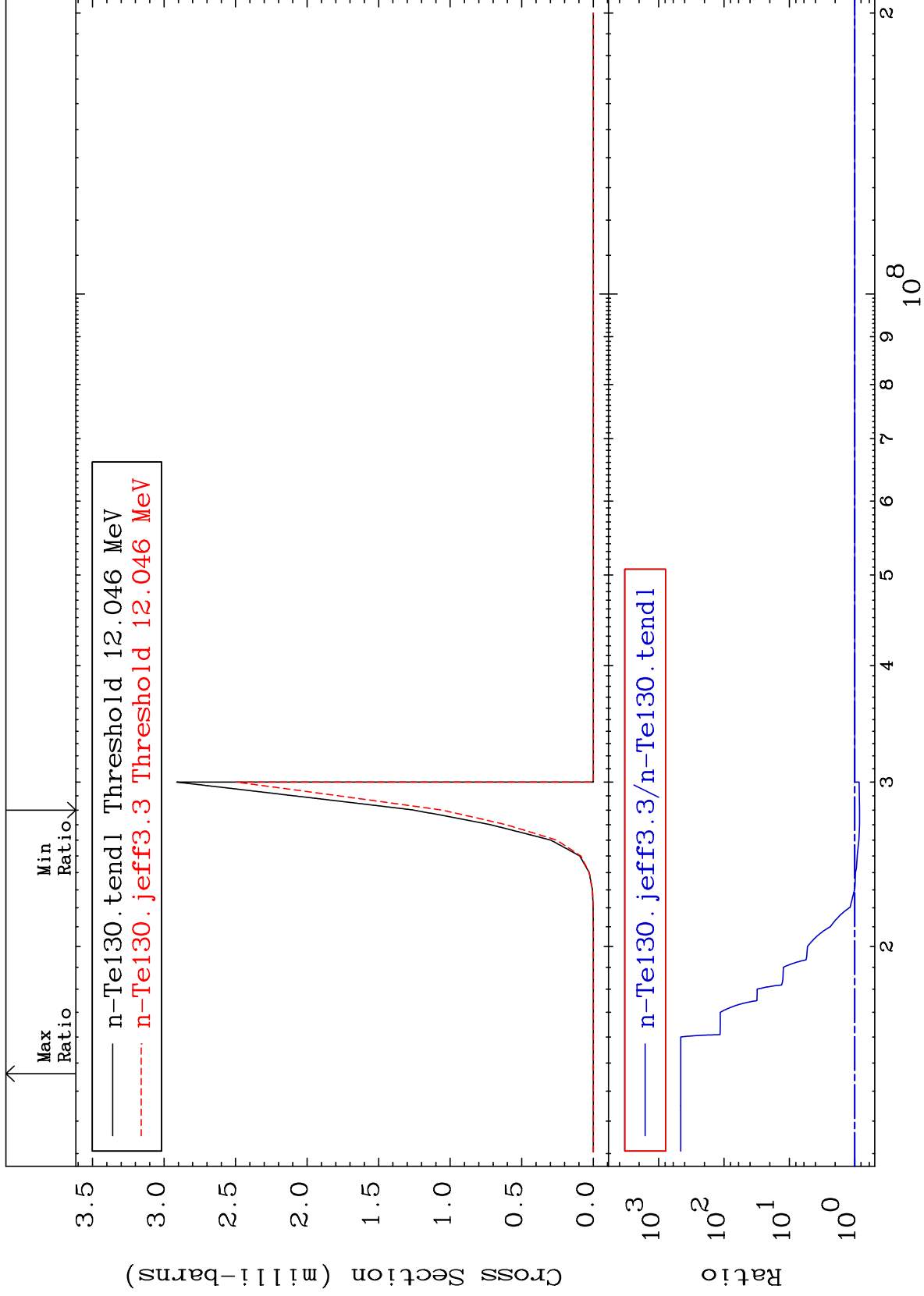


48

Incident Energy (eV)

52-Te-130

Radionuclide Production Cross Section -15.50 To 9999. %

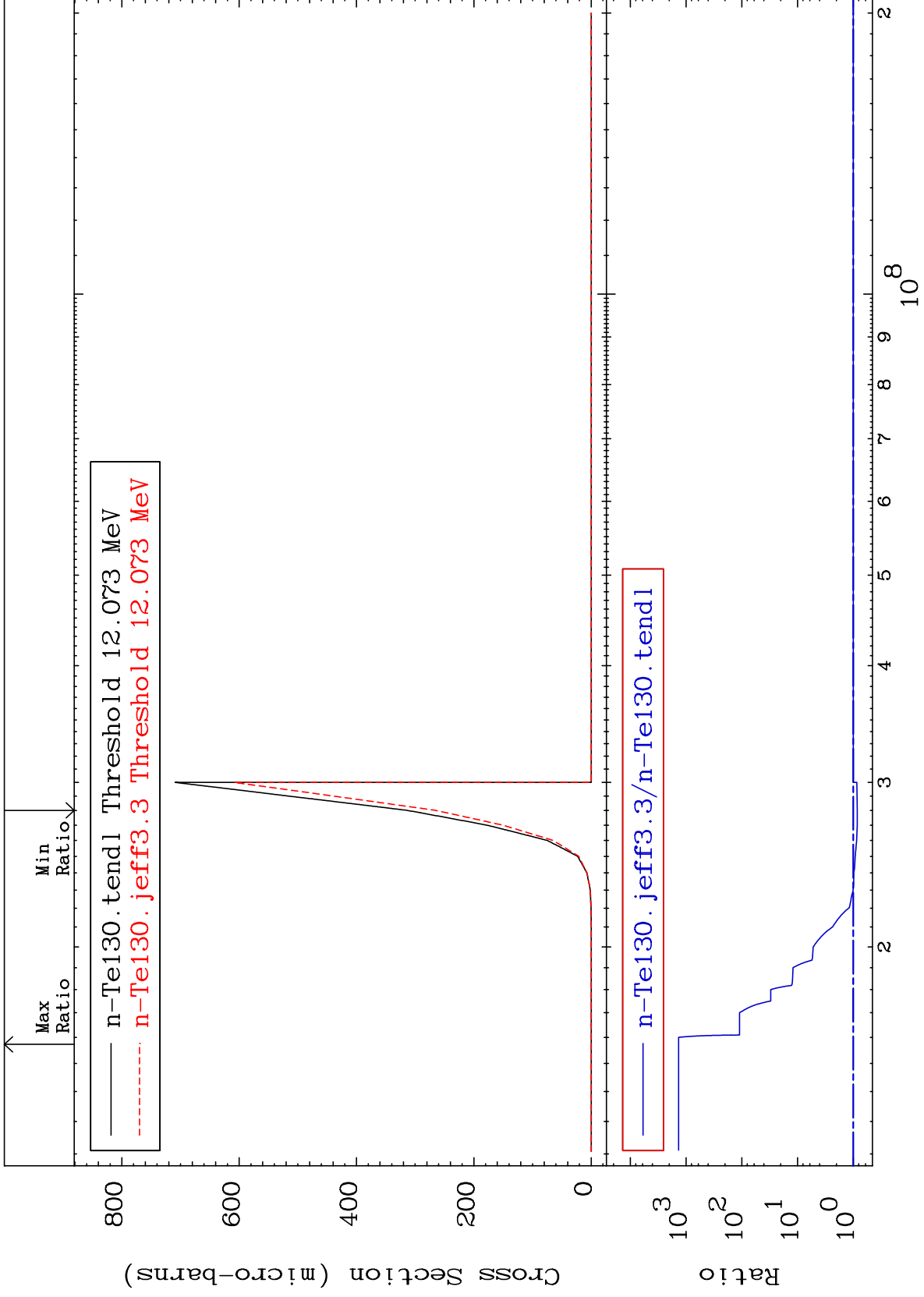


MAT 5255

(n,2n) α :50-Sn-125m1

52-Te-130

Radionuclide Production Cross Section -15.37 To 9999. %



50

Incident Energy (eV)

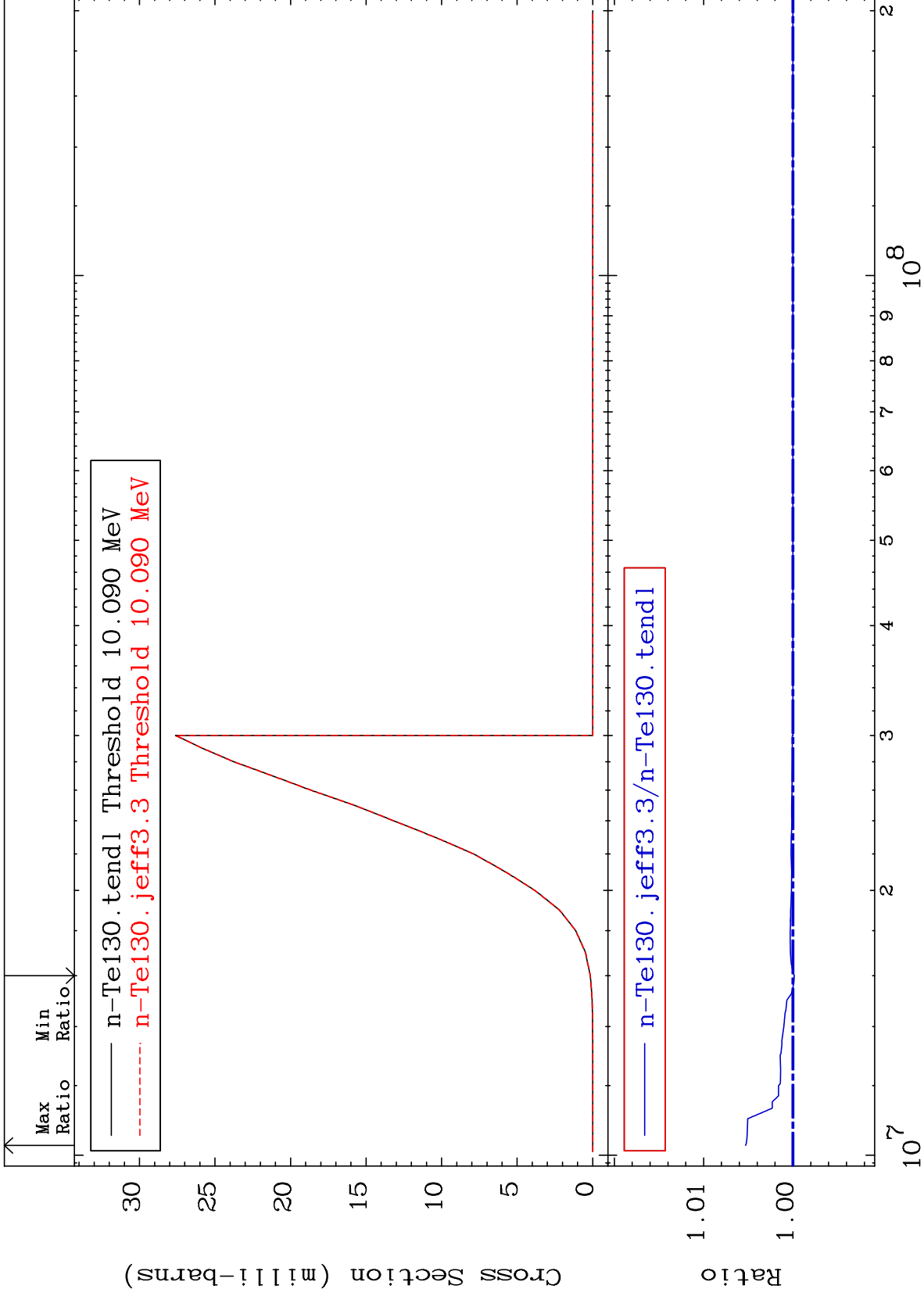
52-Te-130

MAT 5255

(n, n') p:51-Sb-129g

52-Te-130

Radionuclide Production Cross Section -0.015 To 0.531 %



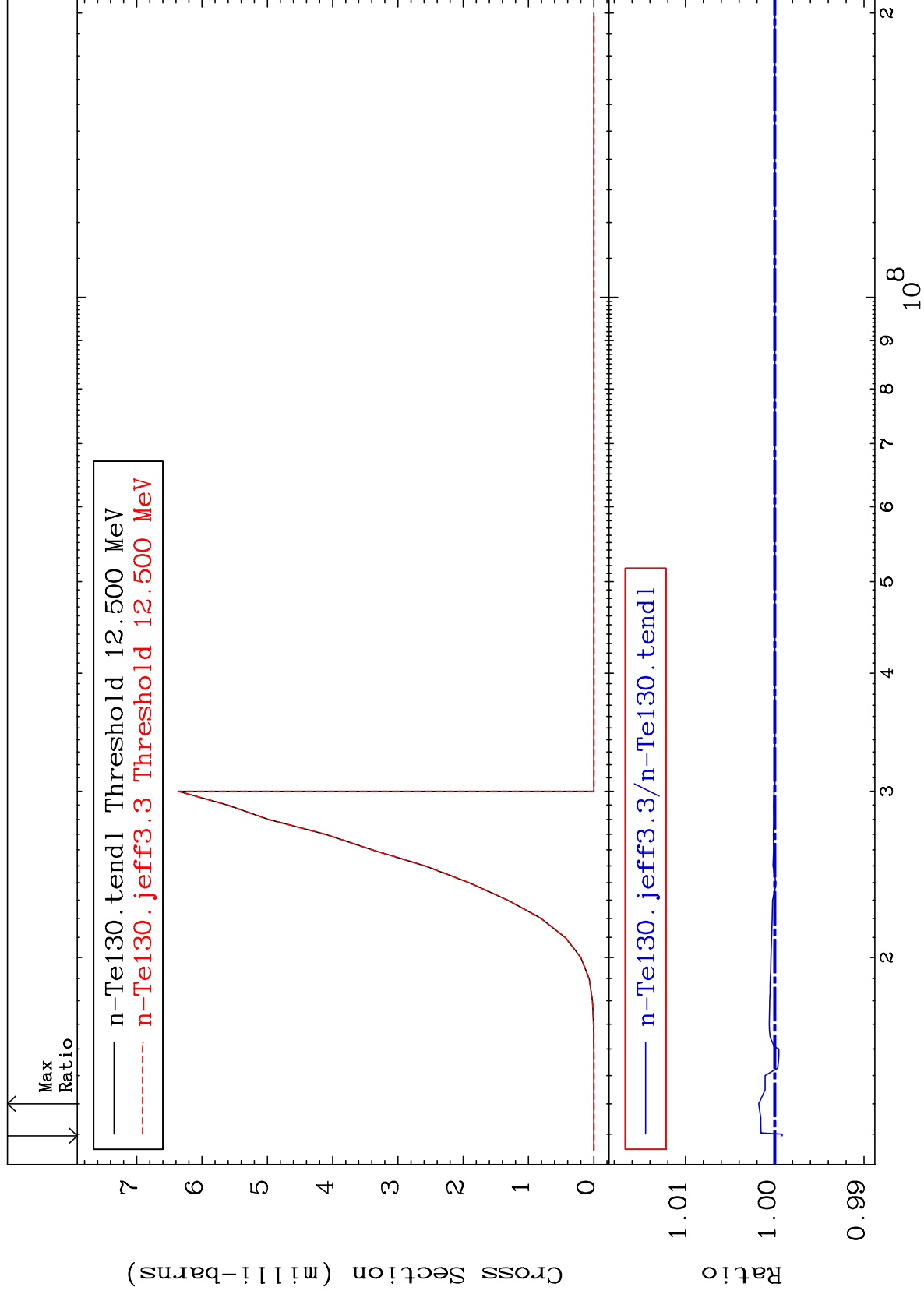
MAT 5255

(n, n') p:51-Sb-129m11

52-Te-130

Radionuclide Production Cross Section

-0.082 To 0.180 %



52

Incident Energy (eV)

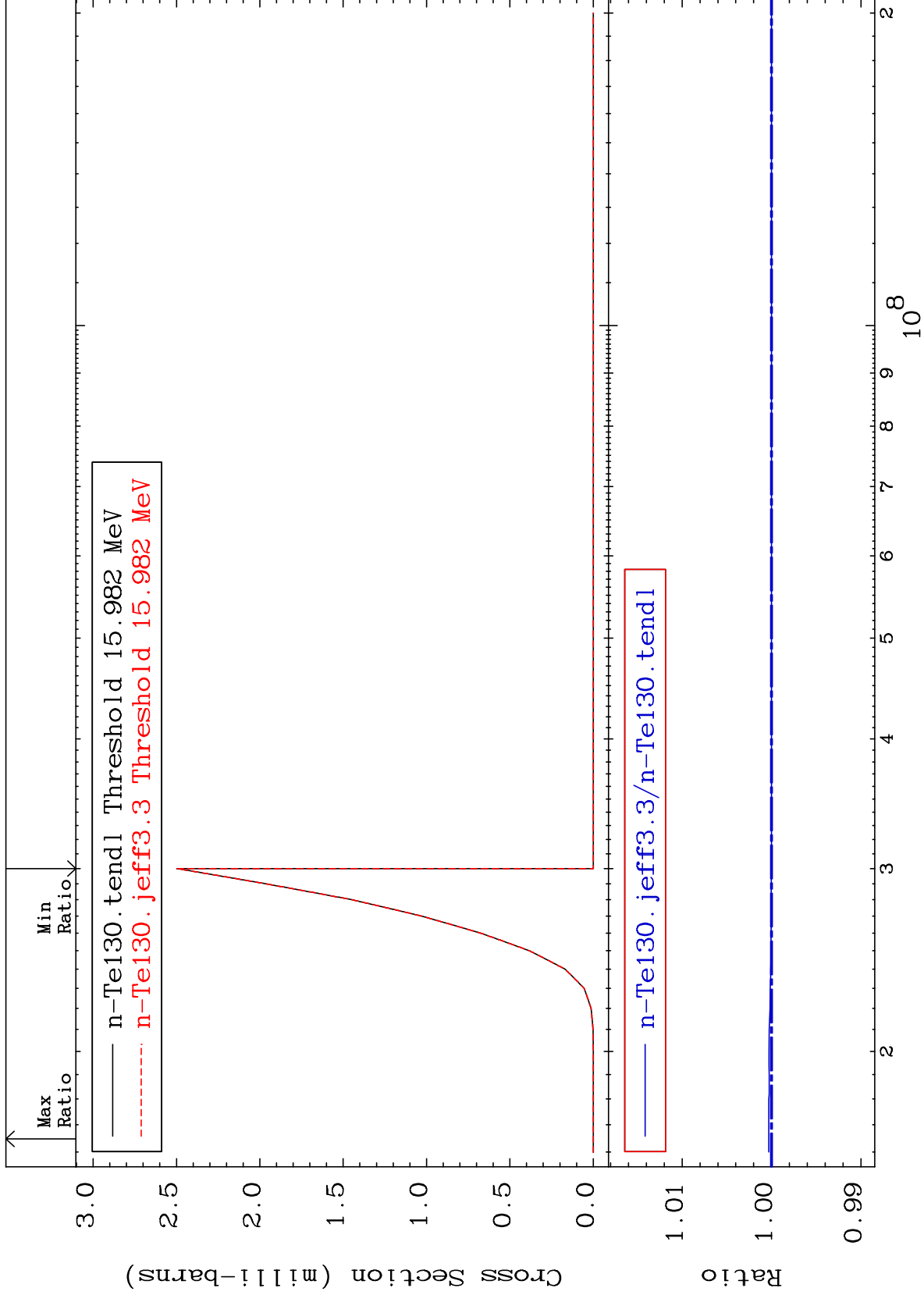
52-Te-130

MAT 5255

(n, n') d:51-Sb-128g

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.031 %



53

Incident Energy (eV)

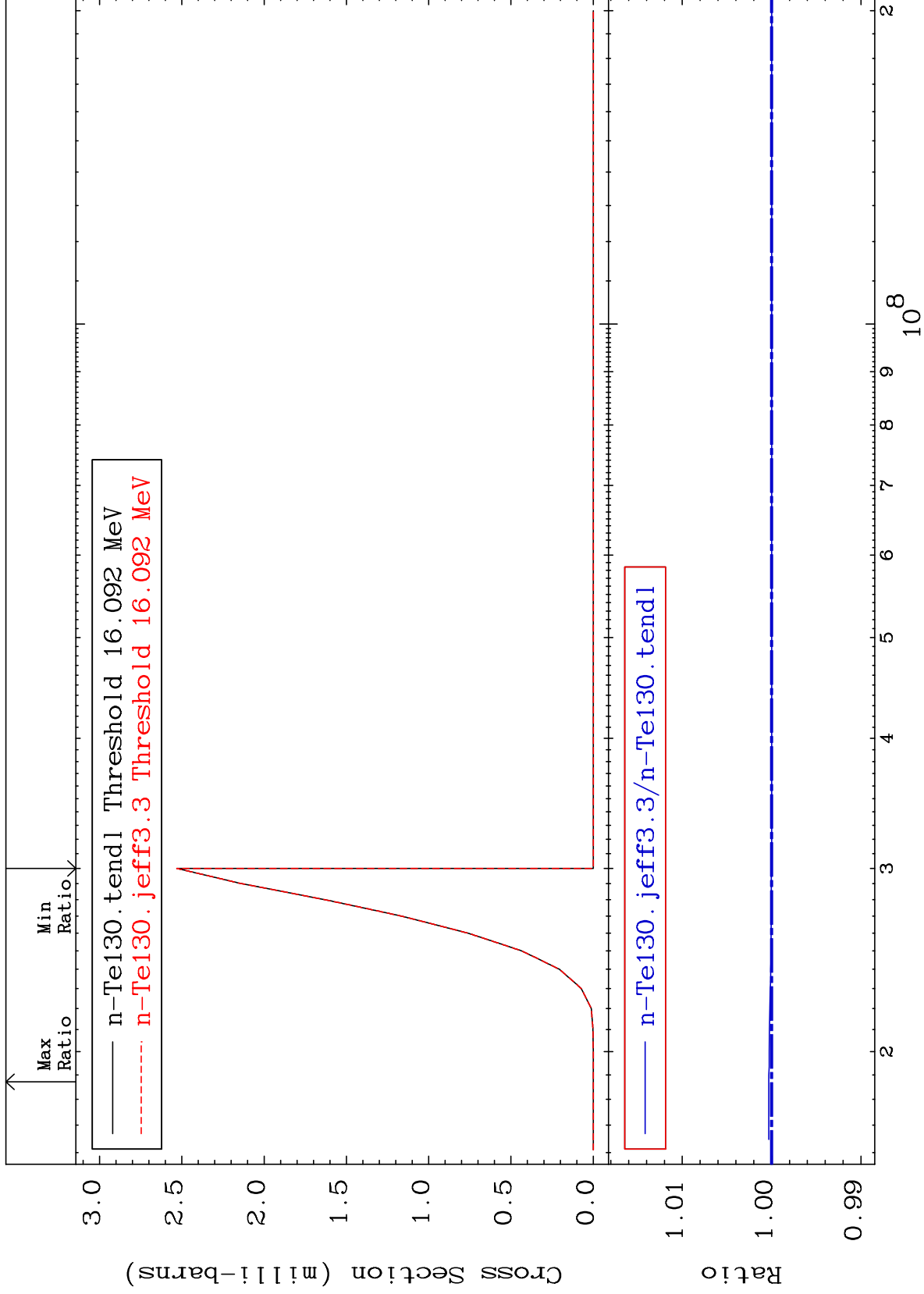
52-Te-130

MAT 5255

(n, n') d:51-Sb-128m1

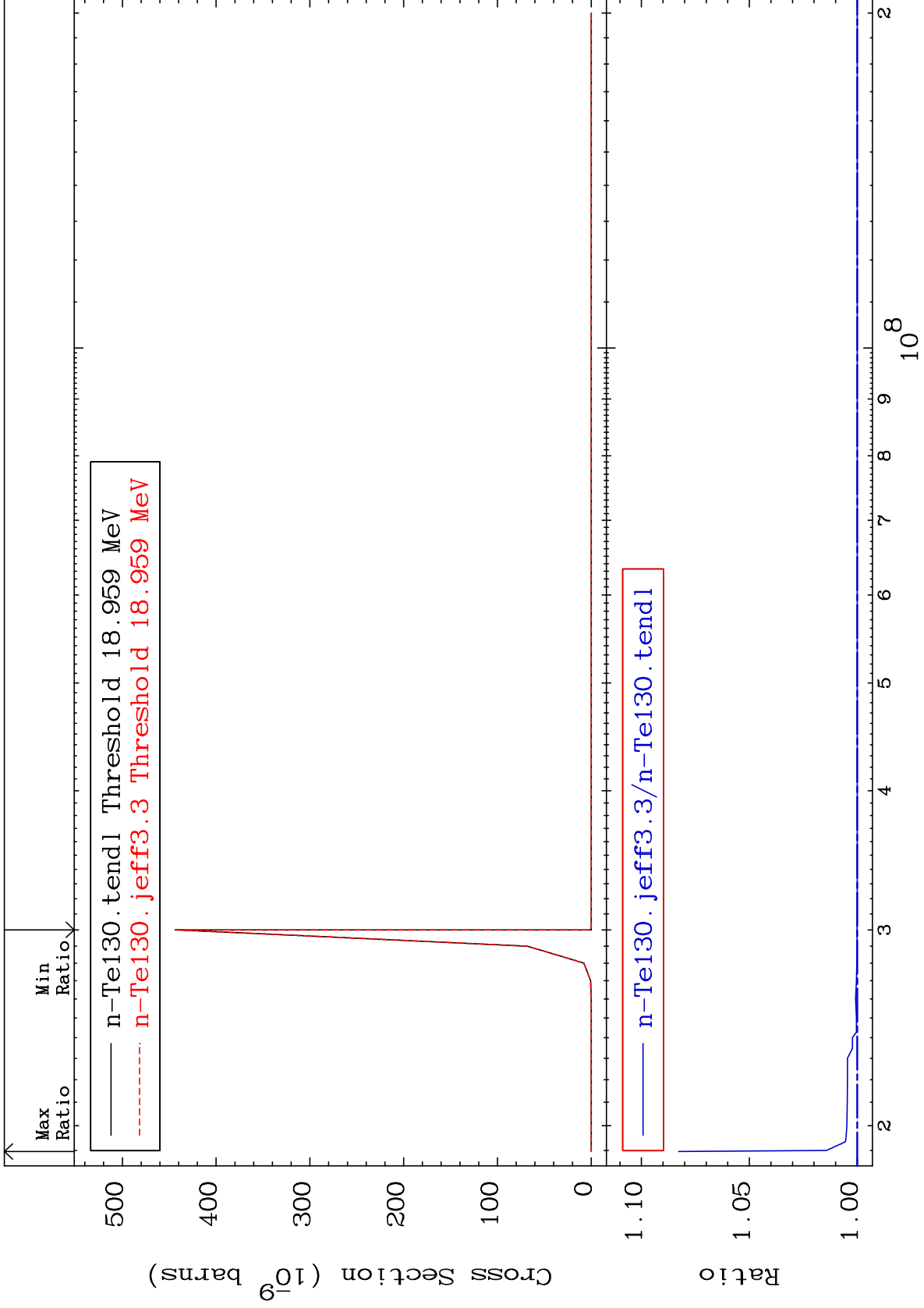
52-Te-130

Radionuclide Production Cross Section 0.000 To 0.033 %



MAT 5255

(n, n') He-3:50-Sn-127g 52-Te-130
Radionuclide Production Cross Section 0.000 To 8.276 %

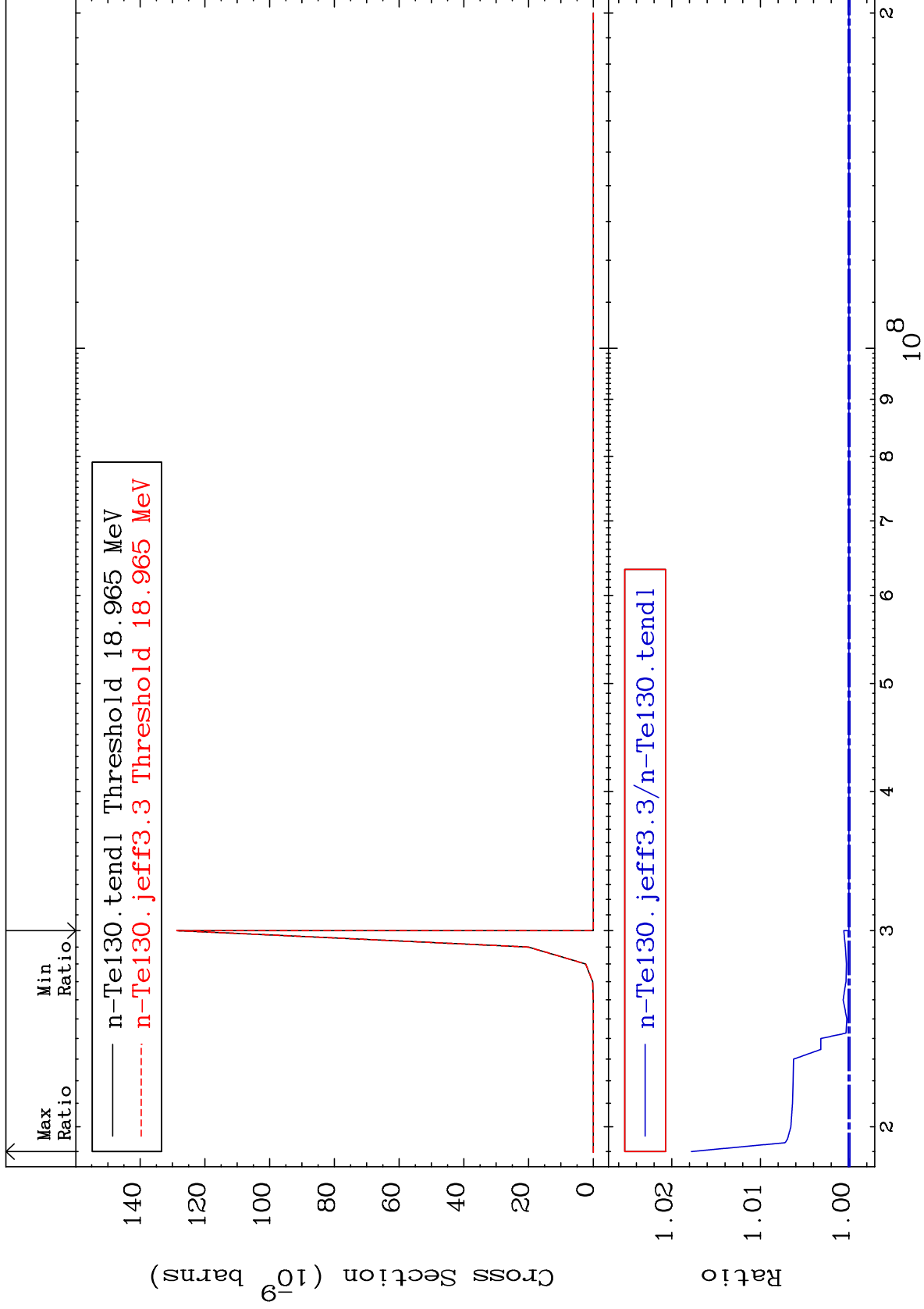


MAT 5255

(n, n') He-3:50-Sn-127m1

52-Te-130

Radionuclide Production Cross Section 0.000 To 1.780 %

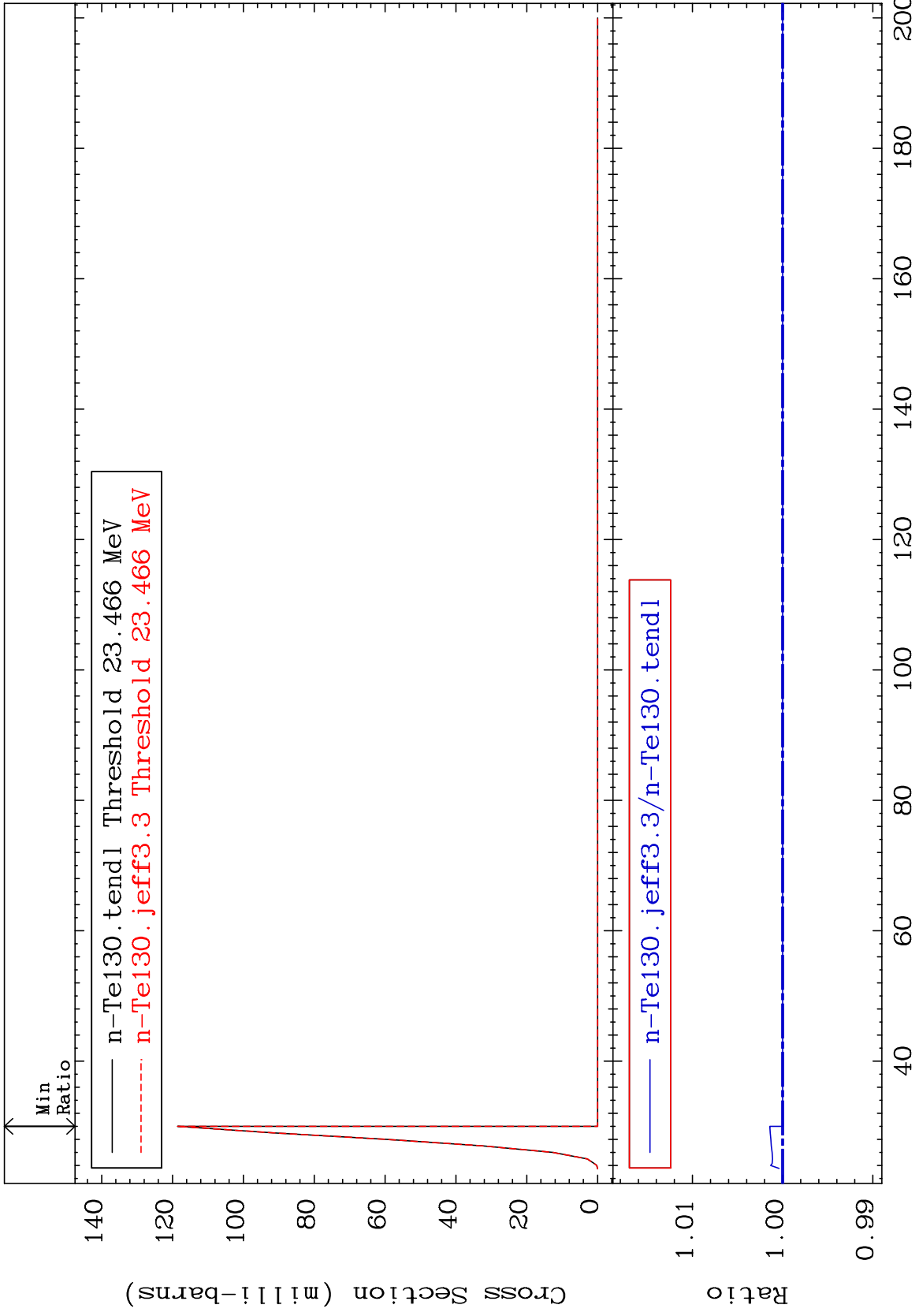


MAT 5255

(n, 4n) : 52-Te-127g

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.143 %



57

Incident Energy (MeV)

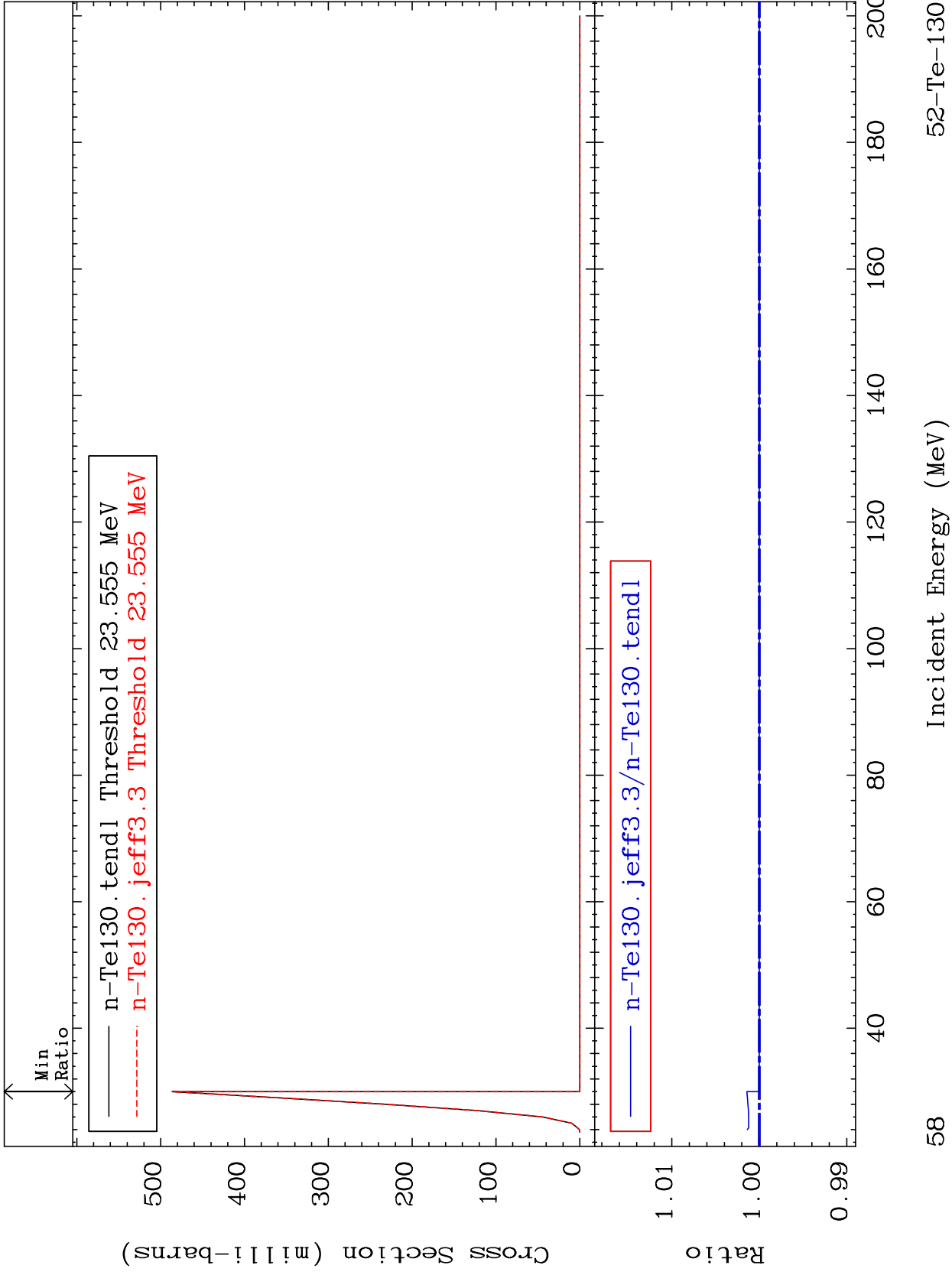
52-Te-130

MAT 5255

(n, 4n) : 52-Te-127m2

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.143 %

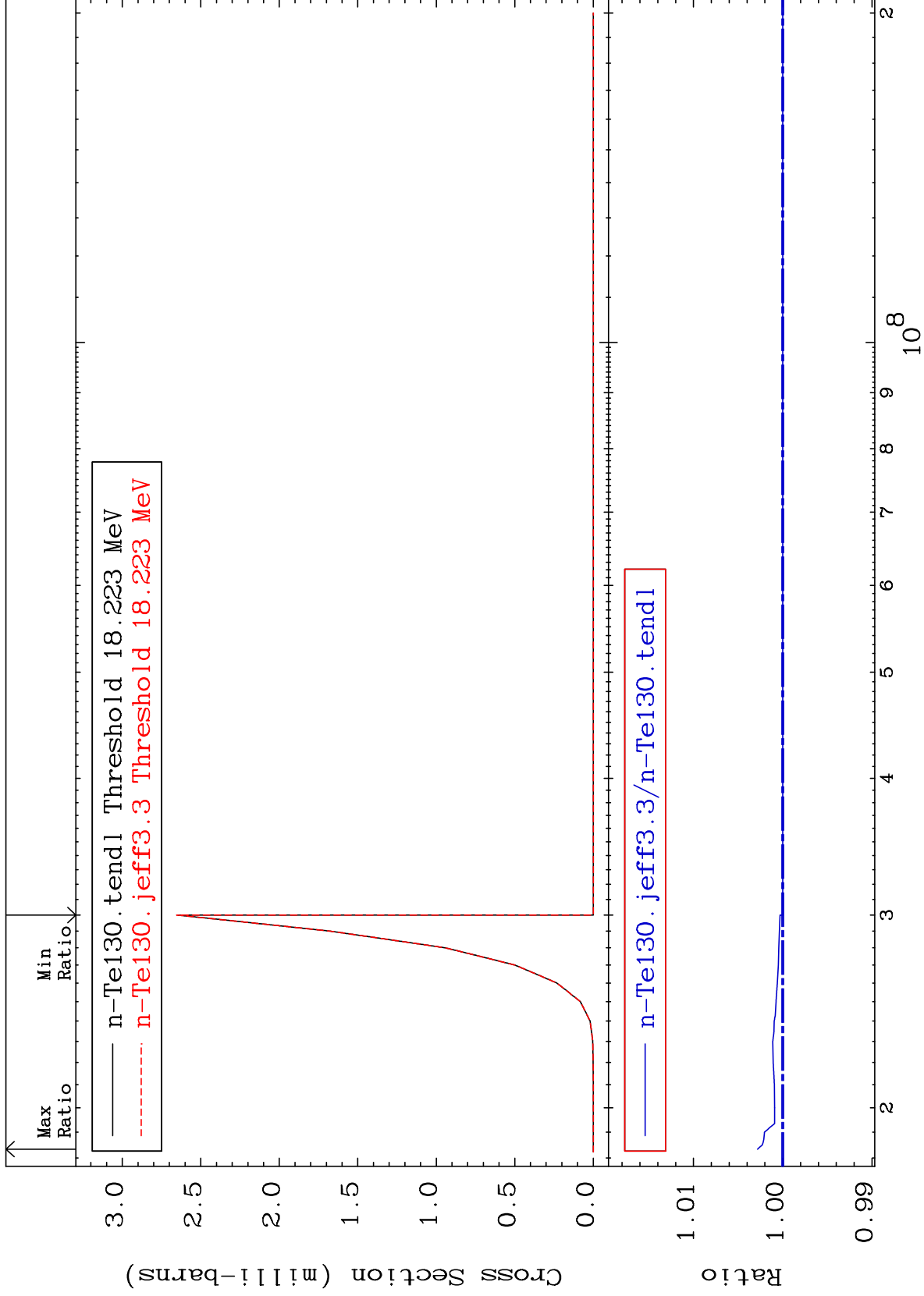


MAT 5255

(n,2n) p:51-Sb-128g

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.282 %

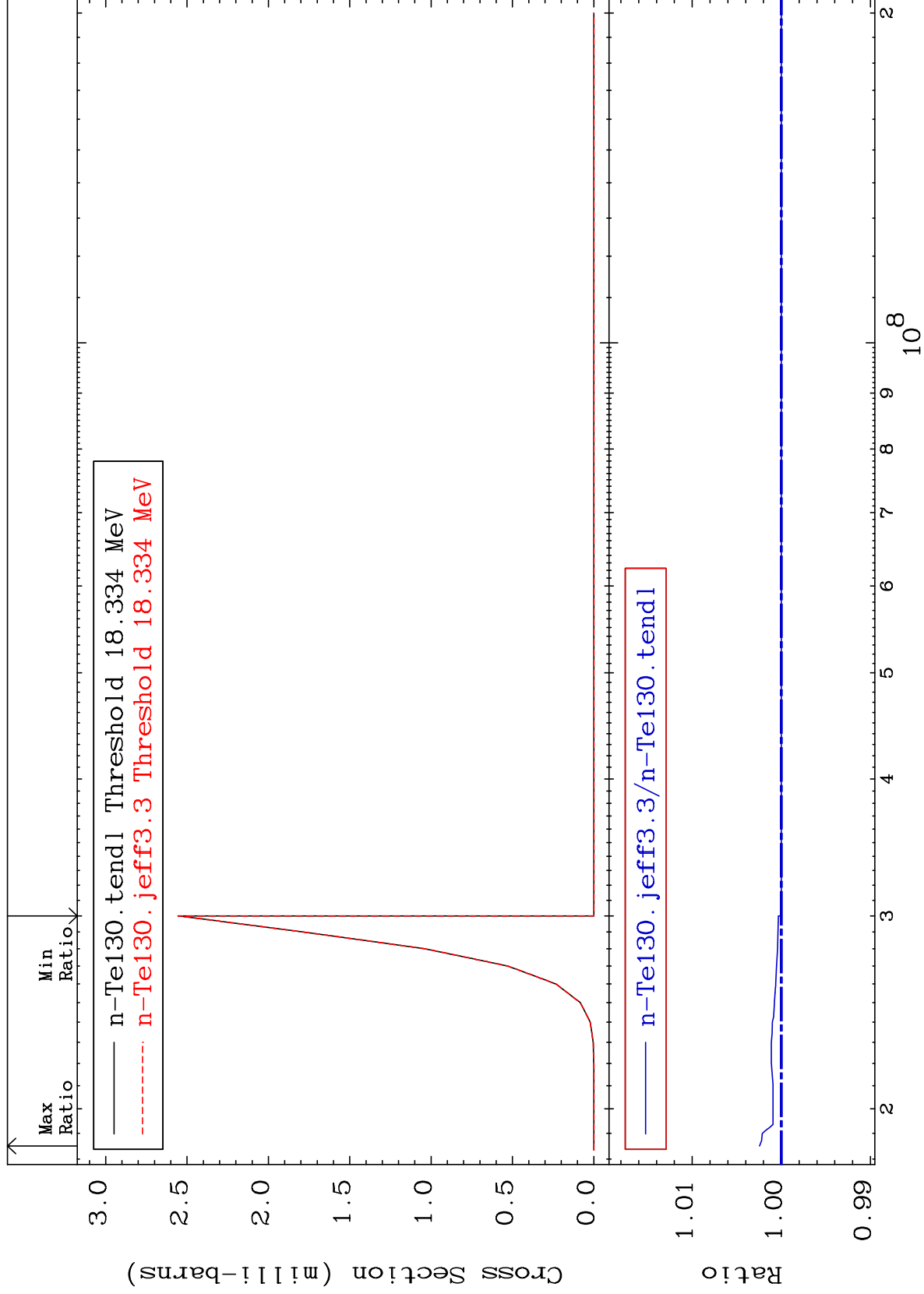


MAT 5255

(n,2n) p:51-Sb-128m1

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.245 %



60

Incident Energy (eV)

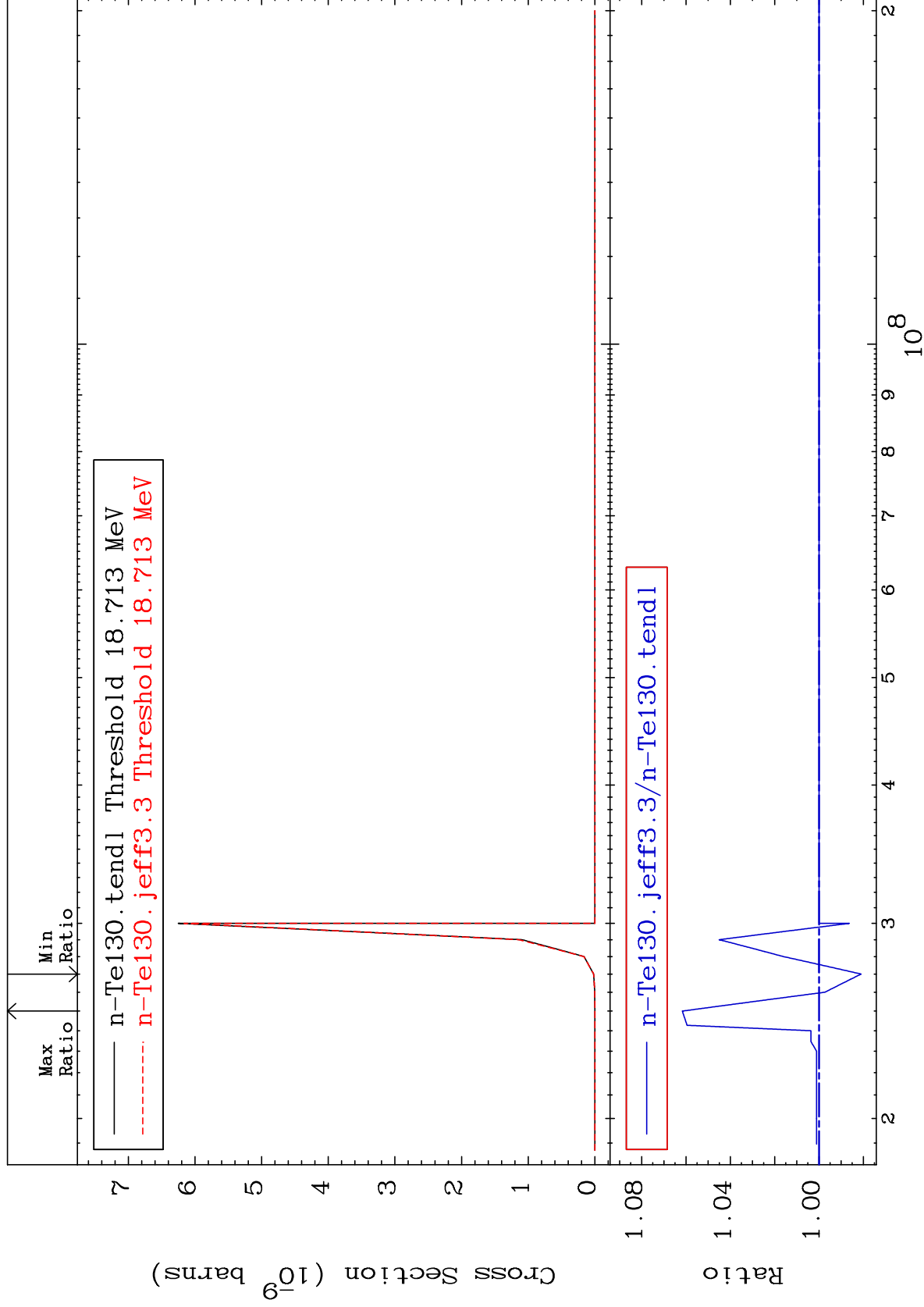
52-Te-130

MAT 5255

(n,2n) p:50-Sn-128g

52-Te-130

Radionuclide Production Cross Section -1.901 To 6.168 %



61

Incident Energy (eV)

52-Te-130

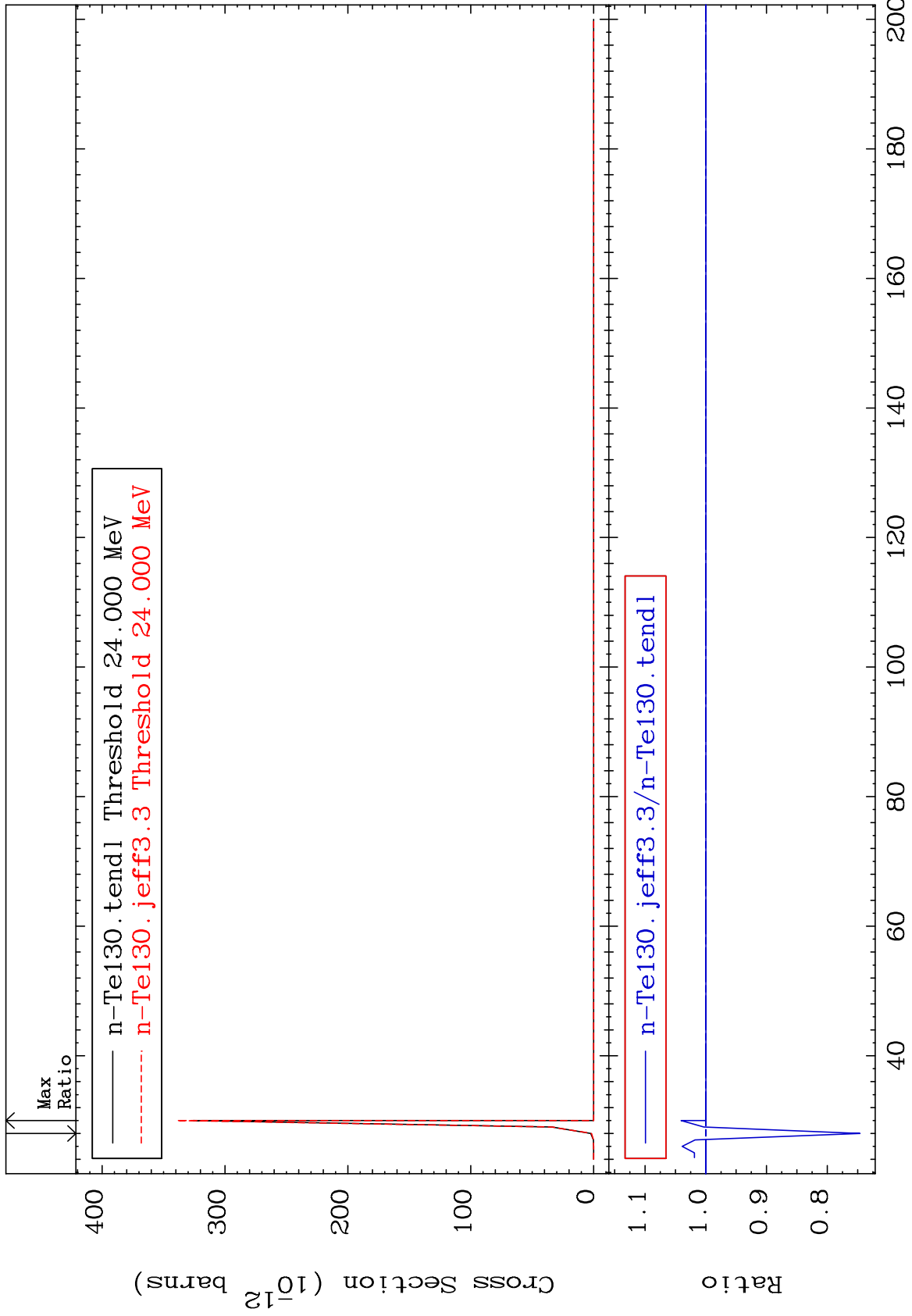
MAT 5255

(n,2n) p:50-Sn-128m3

52-Te-130

Radionuclide Production Cross Section

-25.37 To 4.054 %

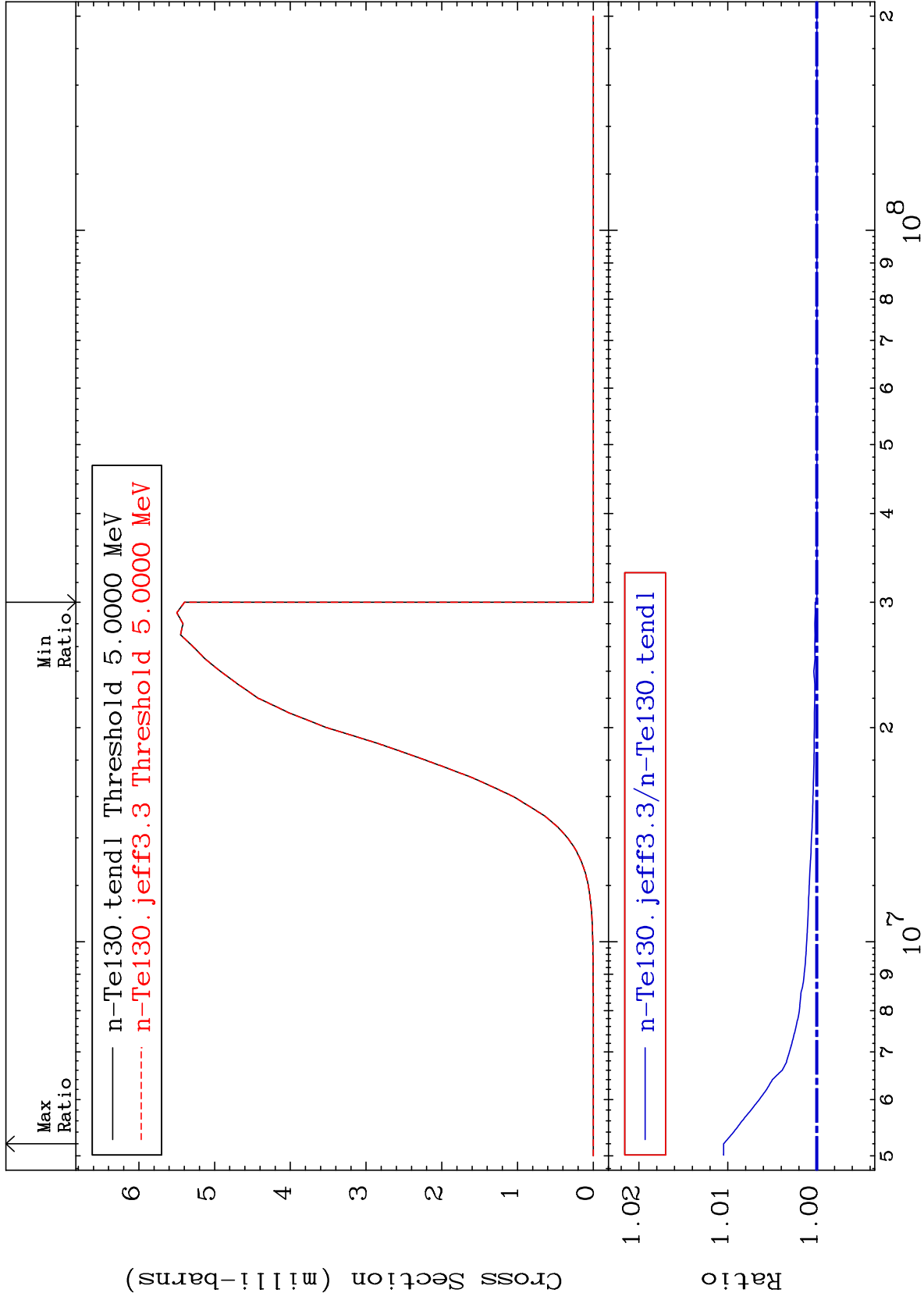


MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 1.049 %

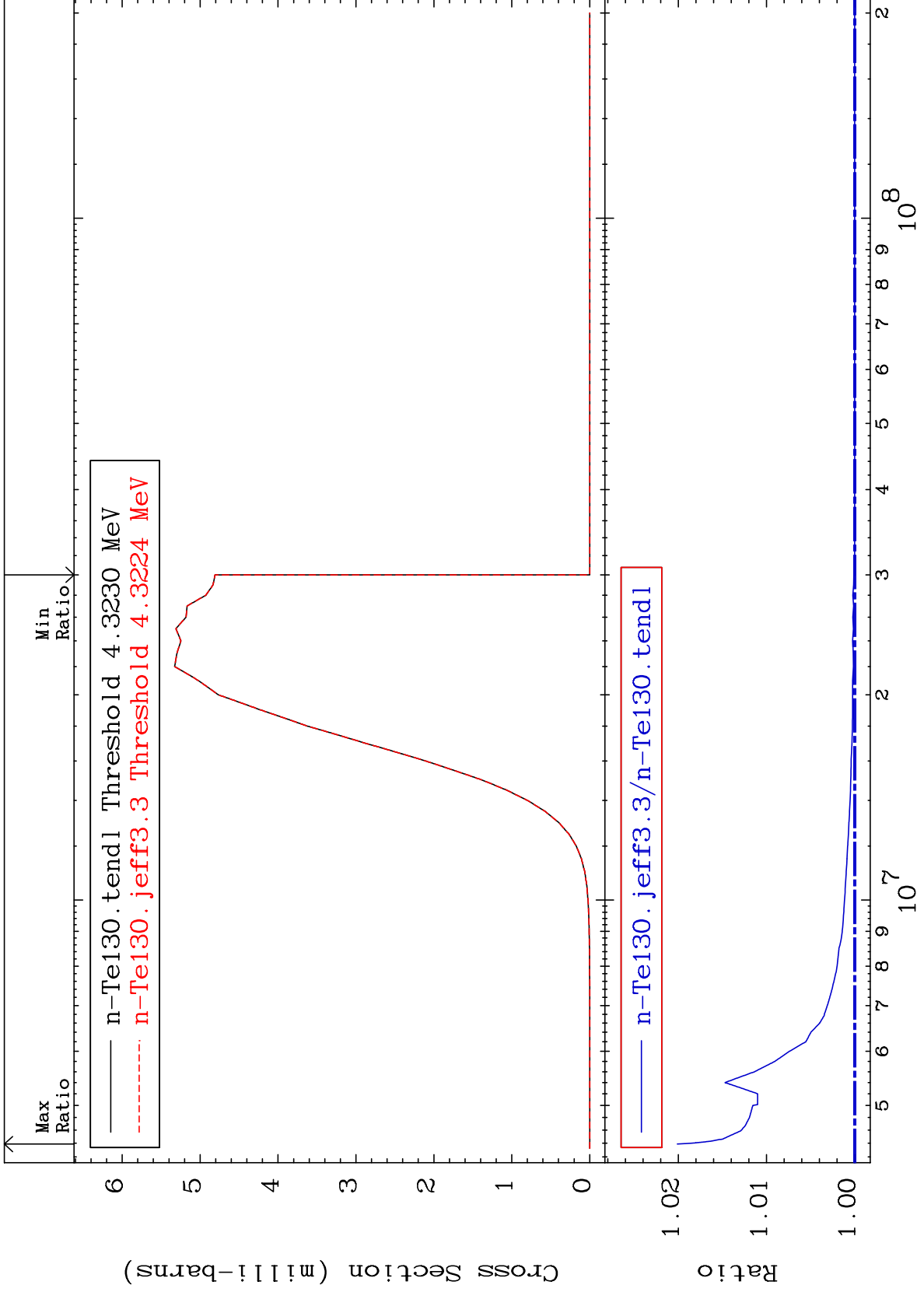


MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 2.012 %

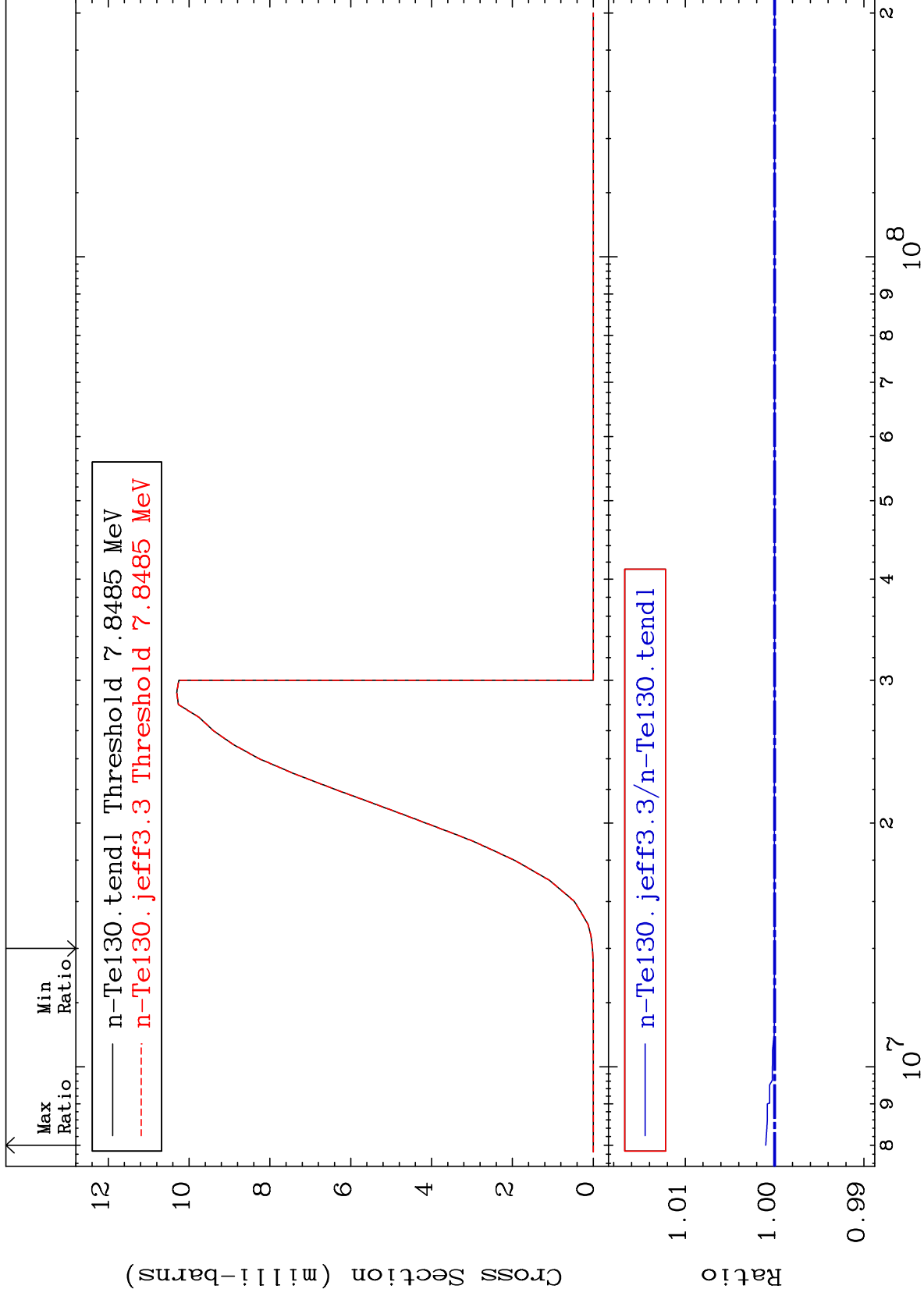


MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.099 %

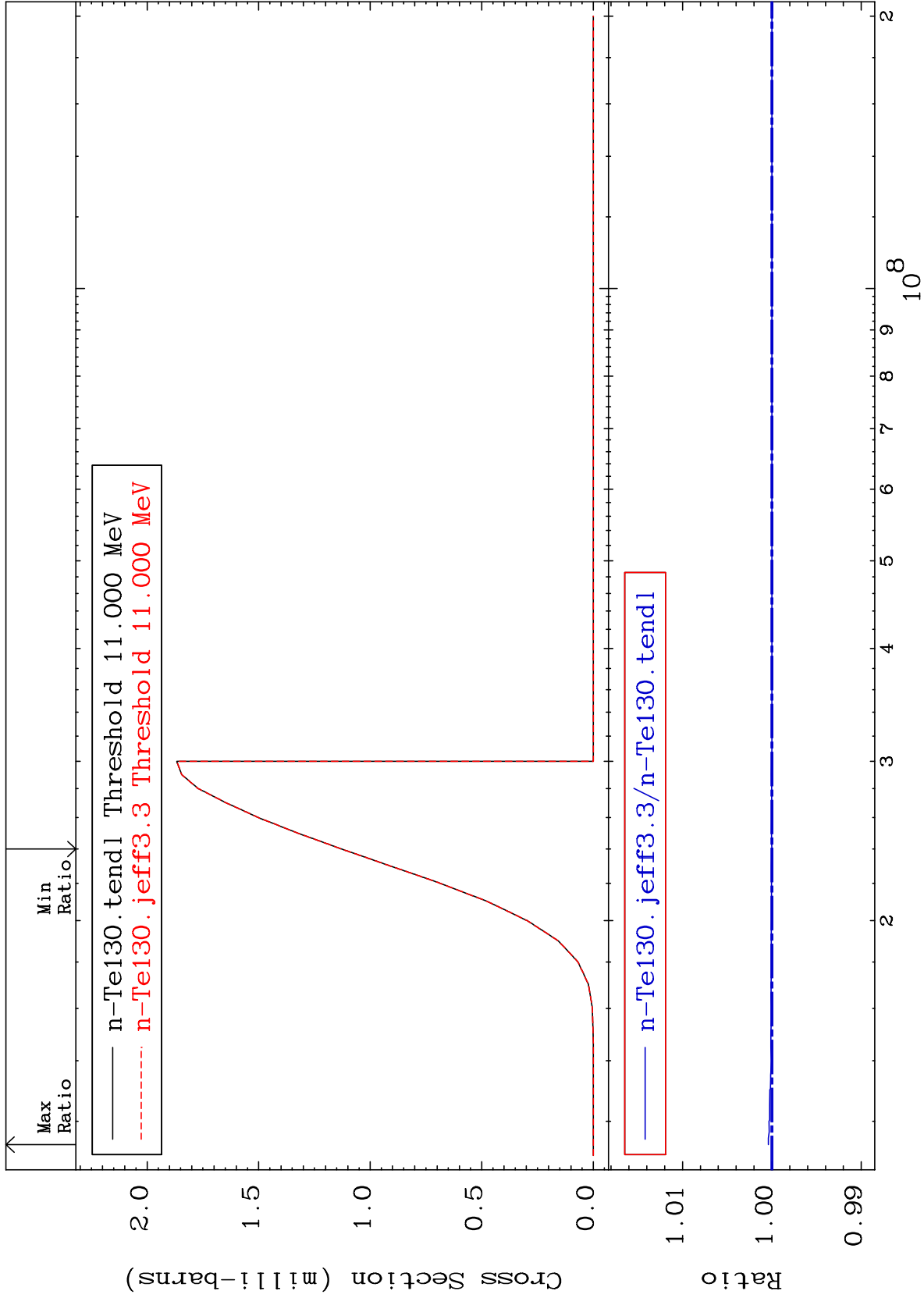


65

Incident Energy (eV)

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.039 %

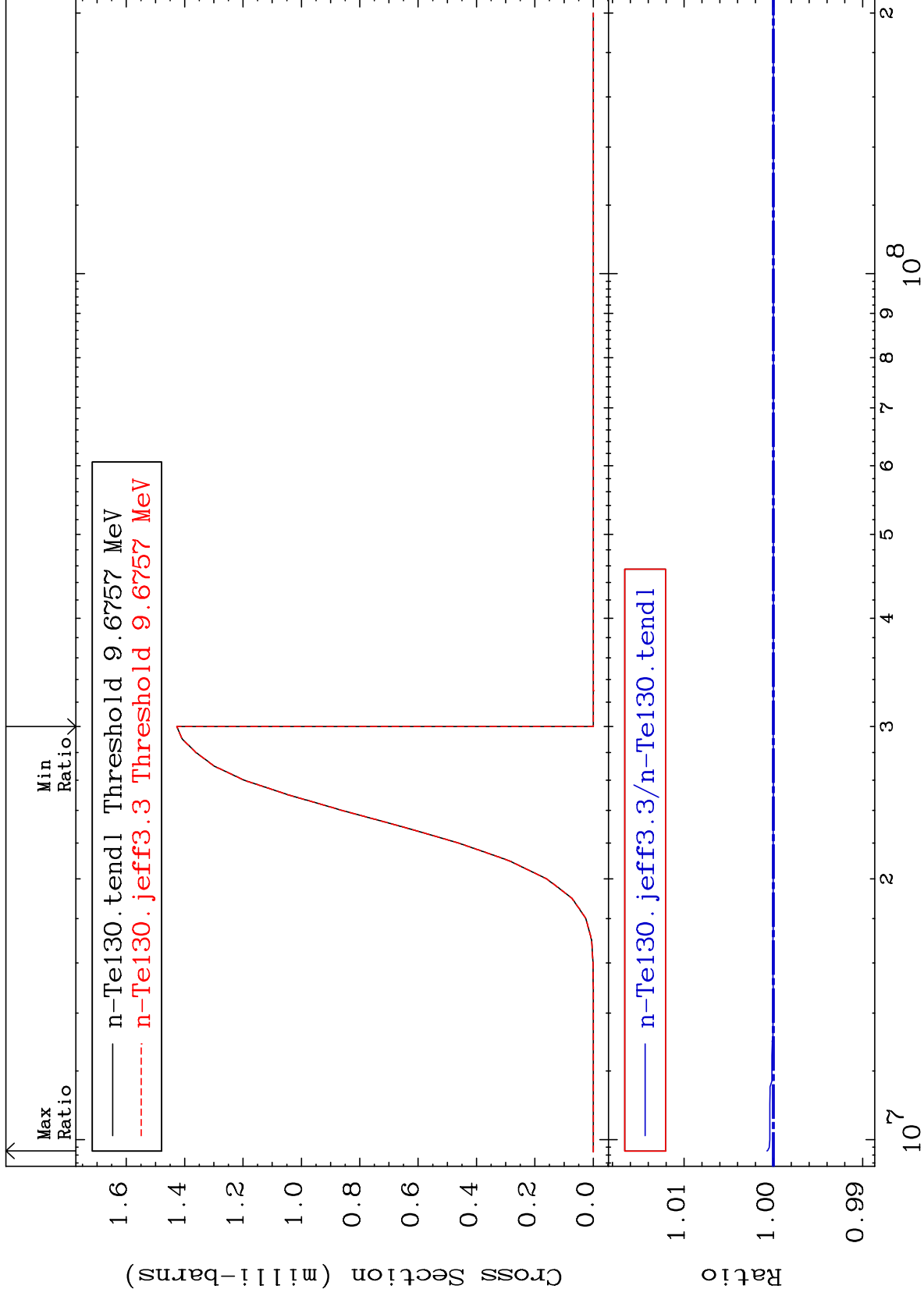


MAT 5255

(n, t):51-Sb-128g

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.072 %

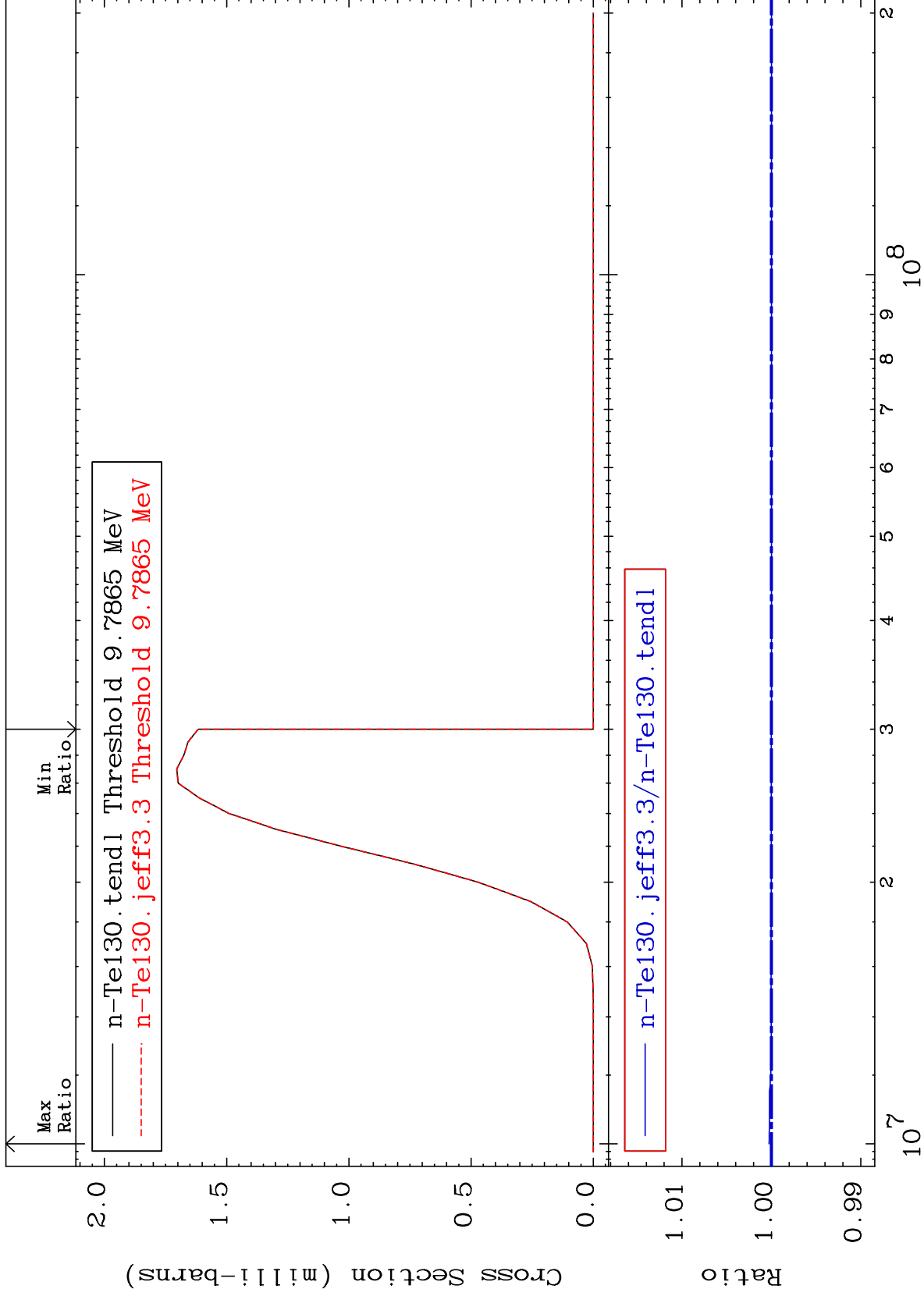


MAT 5255

(n, t) :51-Sb-128m1

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.028 %



68

Incident Energy (eV)

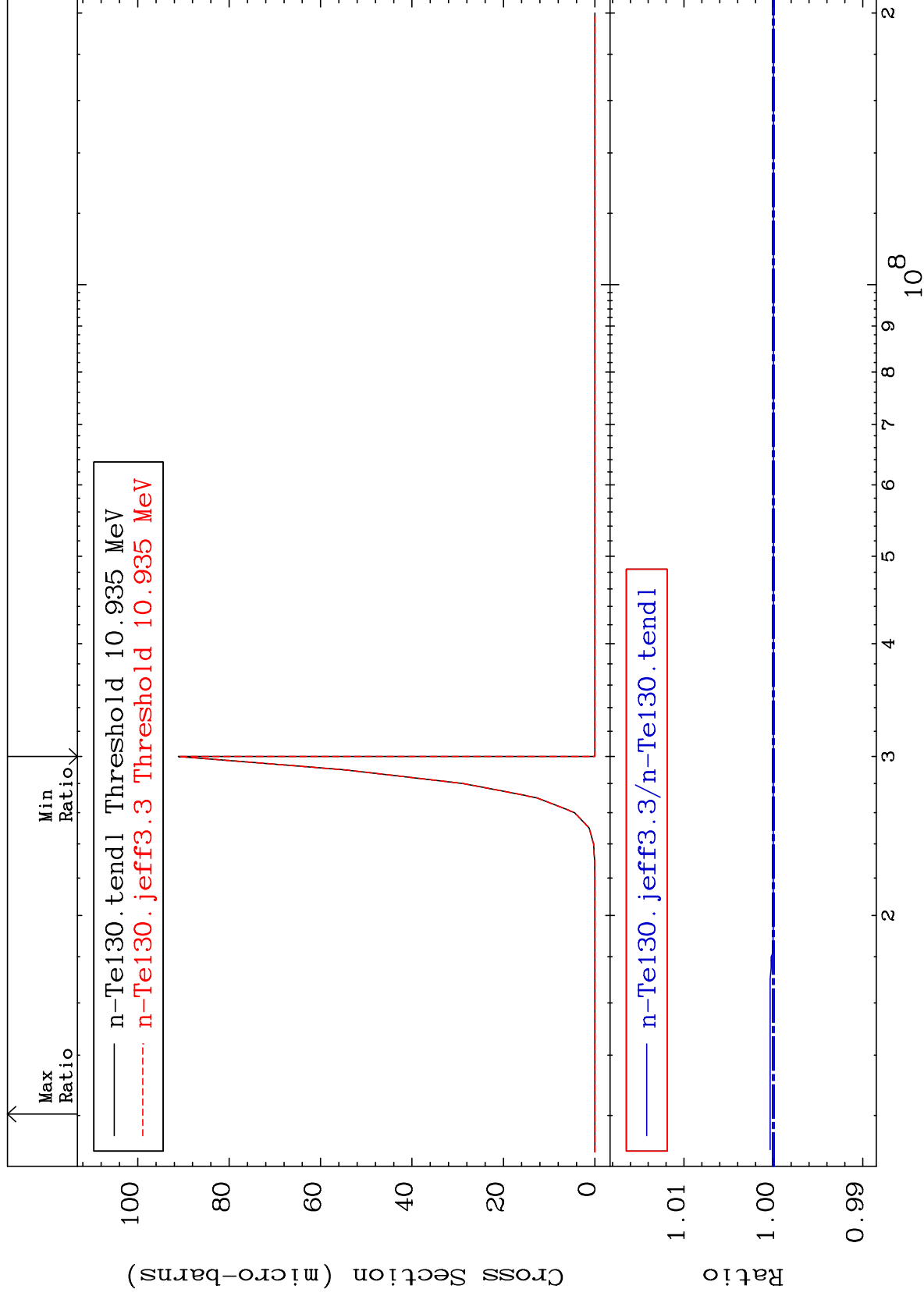
52-Te-130

MAT 5255

(n,He-3):50-Sn-128g

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.037 %

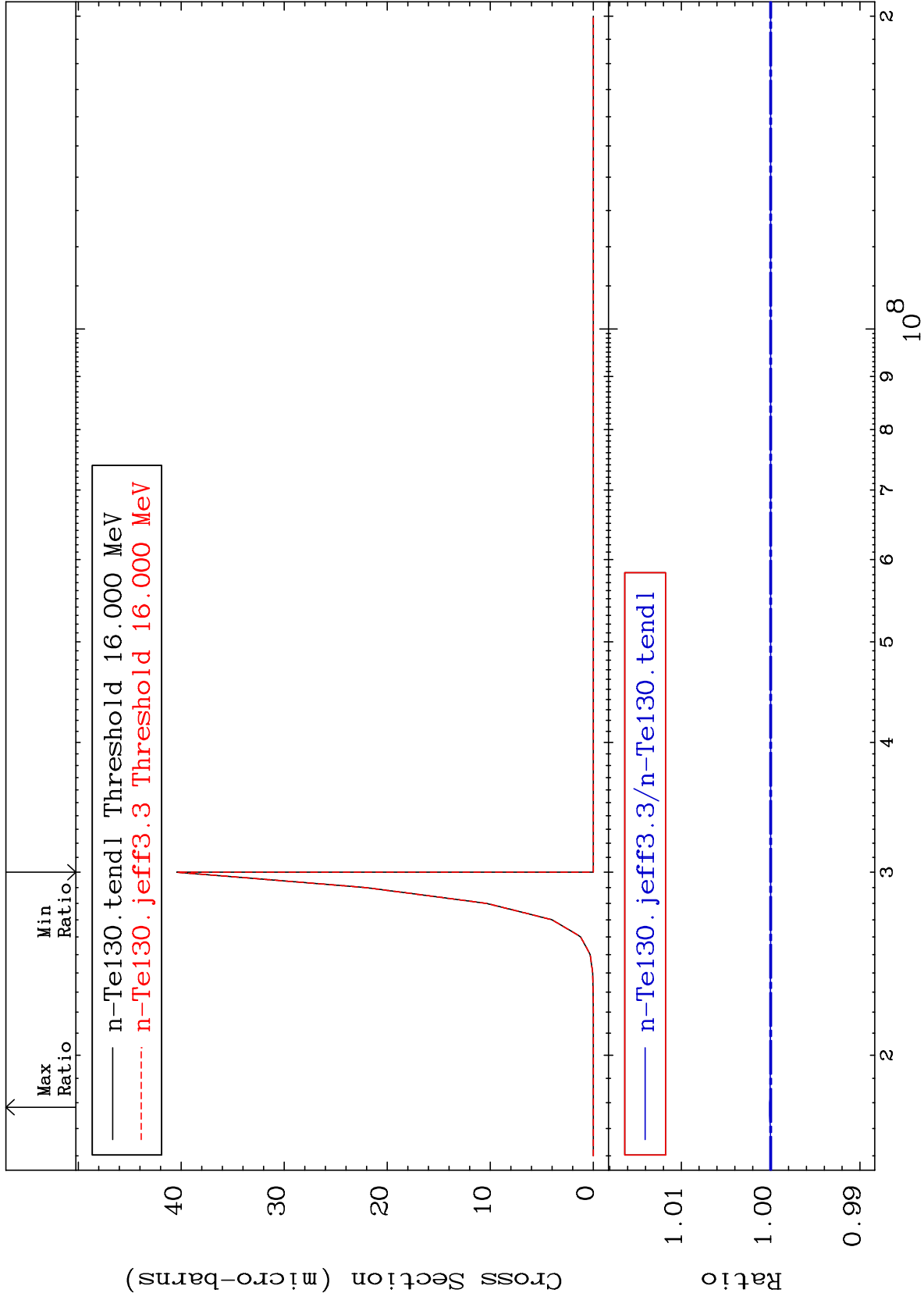


MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.011 %



70

Incident Energy (eV)

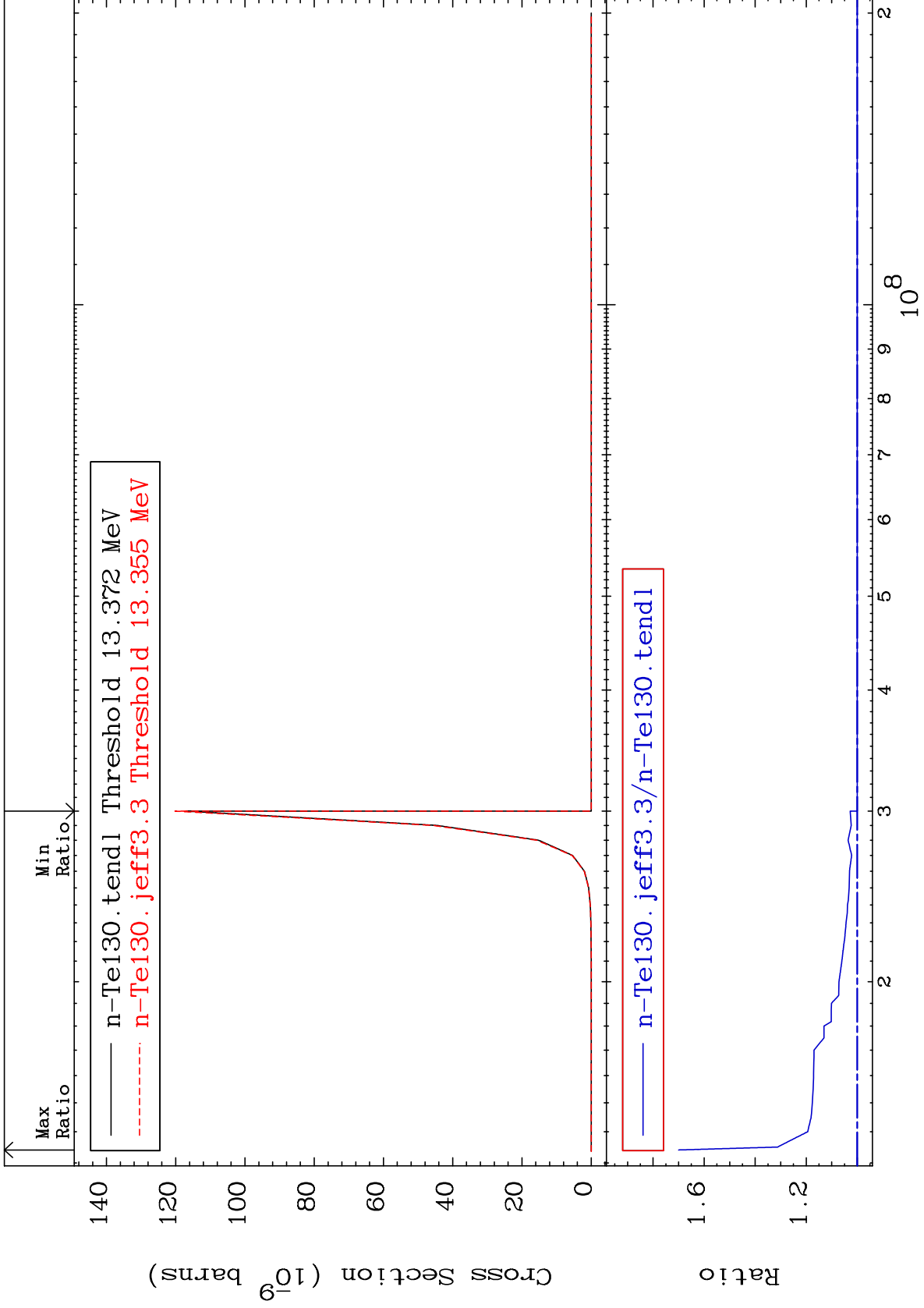
52-Te-130

MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 69.99 %



71

Incident Energy (eV)

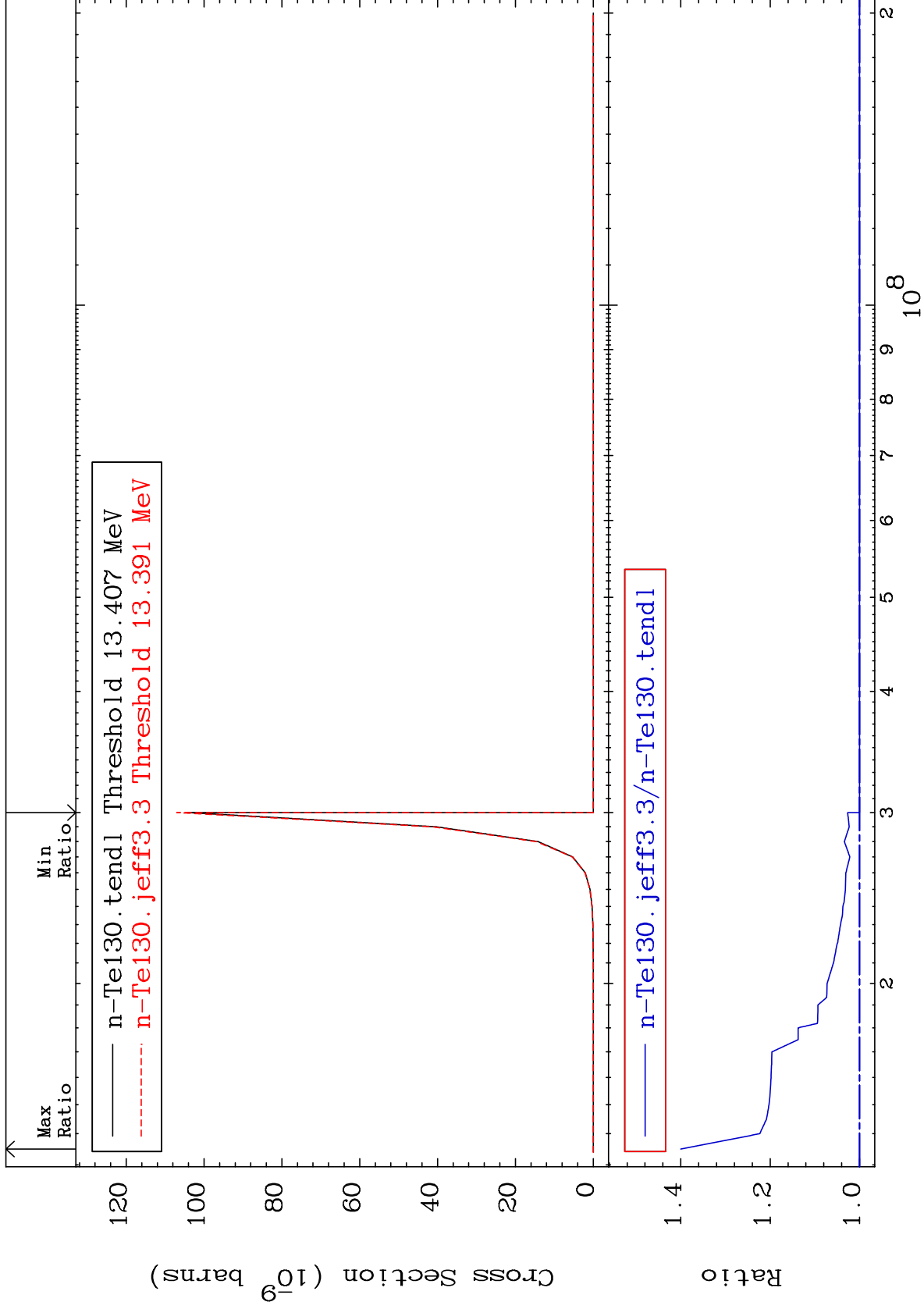
52-Te-130

MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 40.00 %

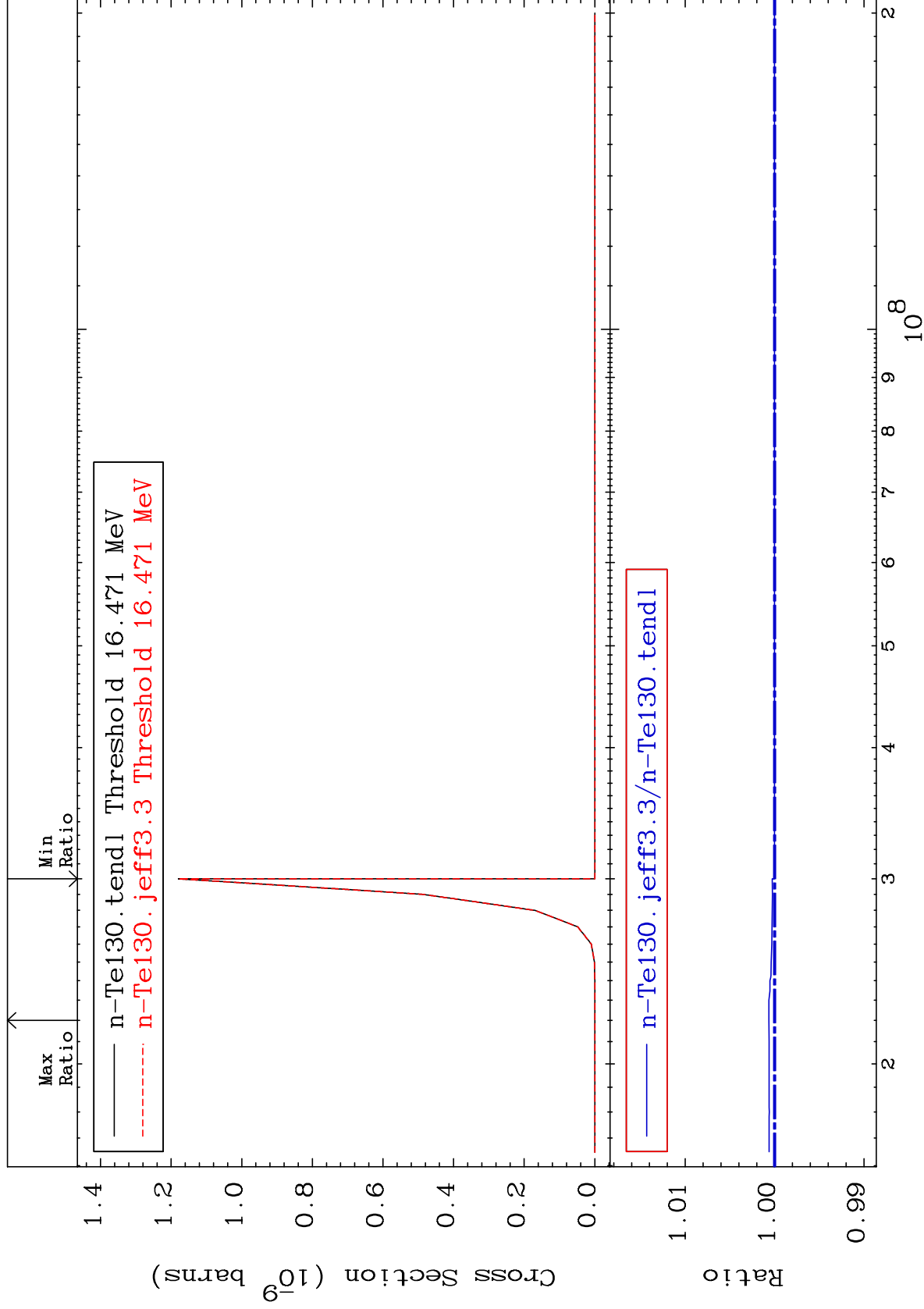


MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.064 %



73

Incident Energy (eV)

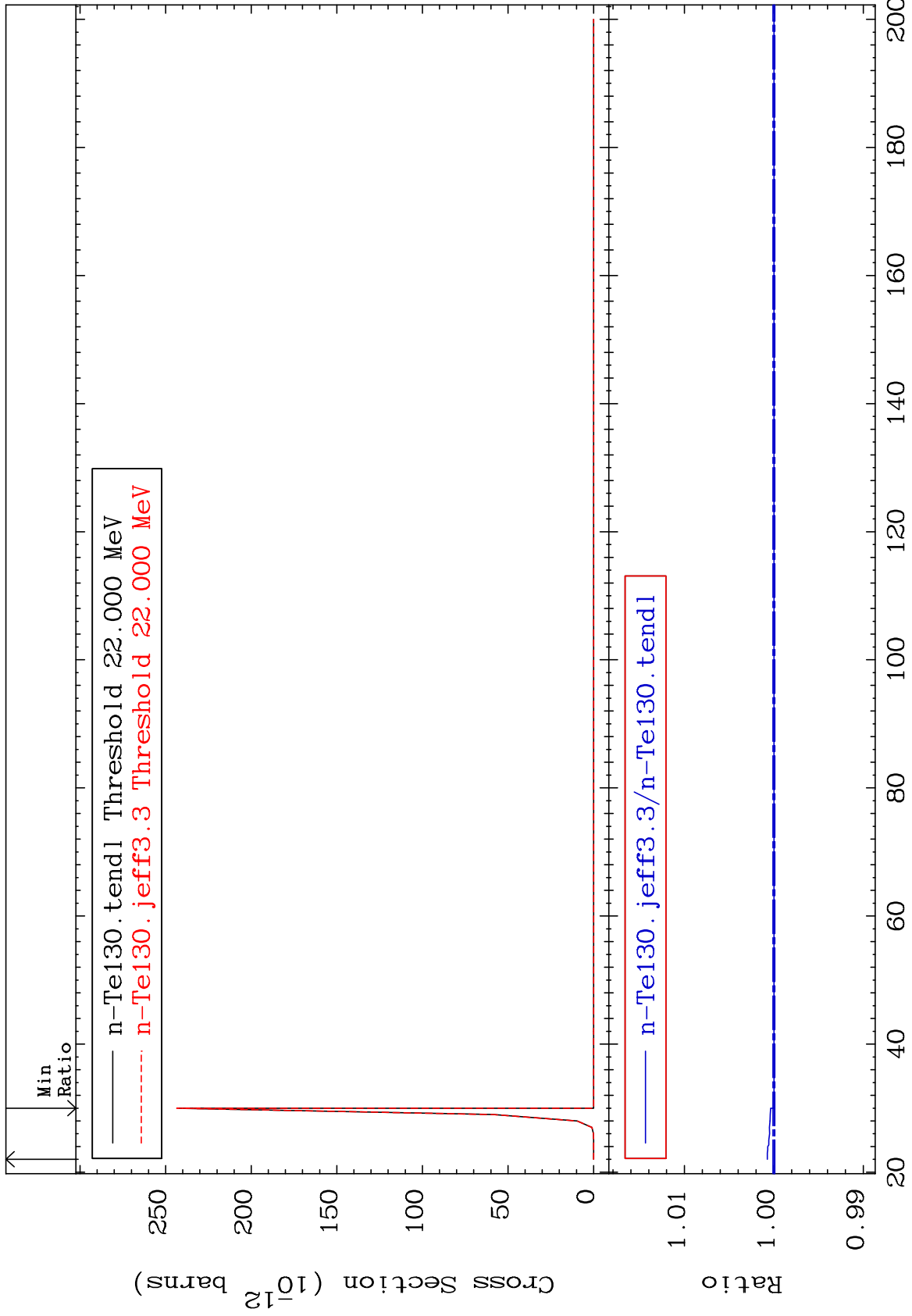
52-Te-130

MAT 5255

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

52-Te-130

Radionuclide Production Cross Section 0.000 To 0.074 %



74

Incident Energy (MeV)

52-Te-130