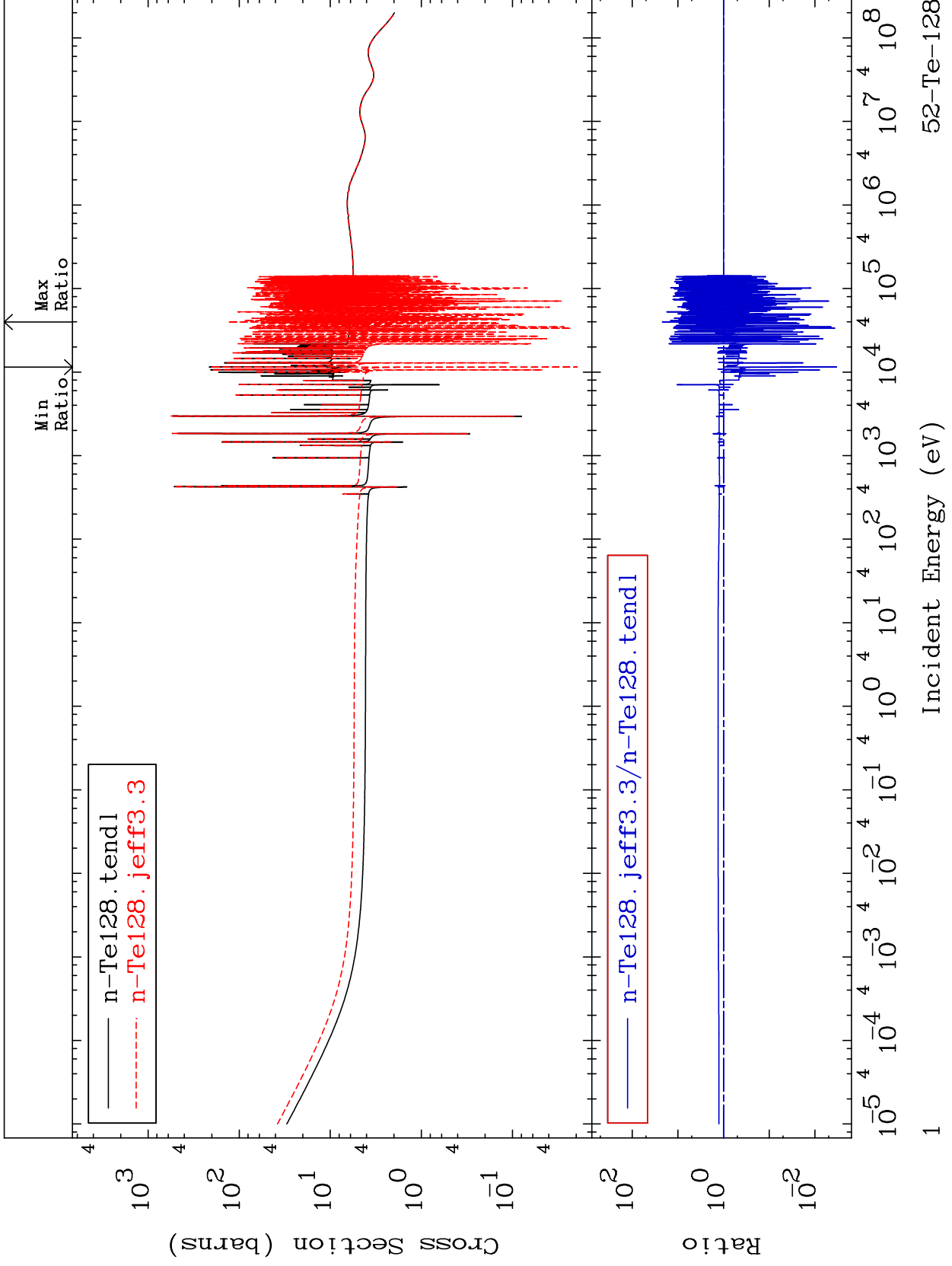


MAT 5249

Total
Cross Section

52-Te-128
-99.66 To 2103. %



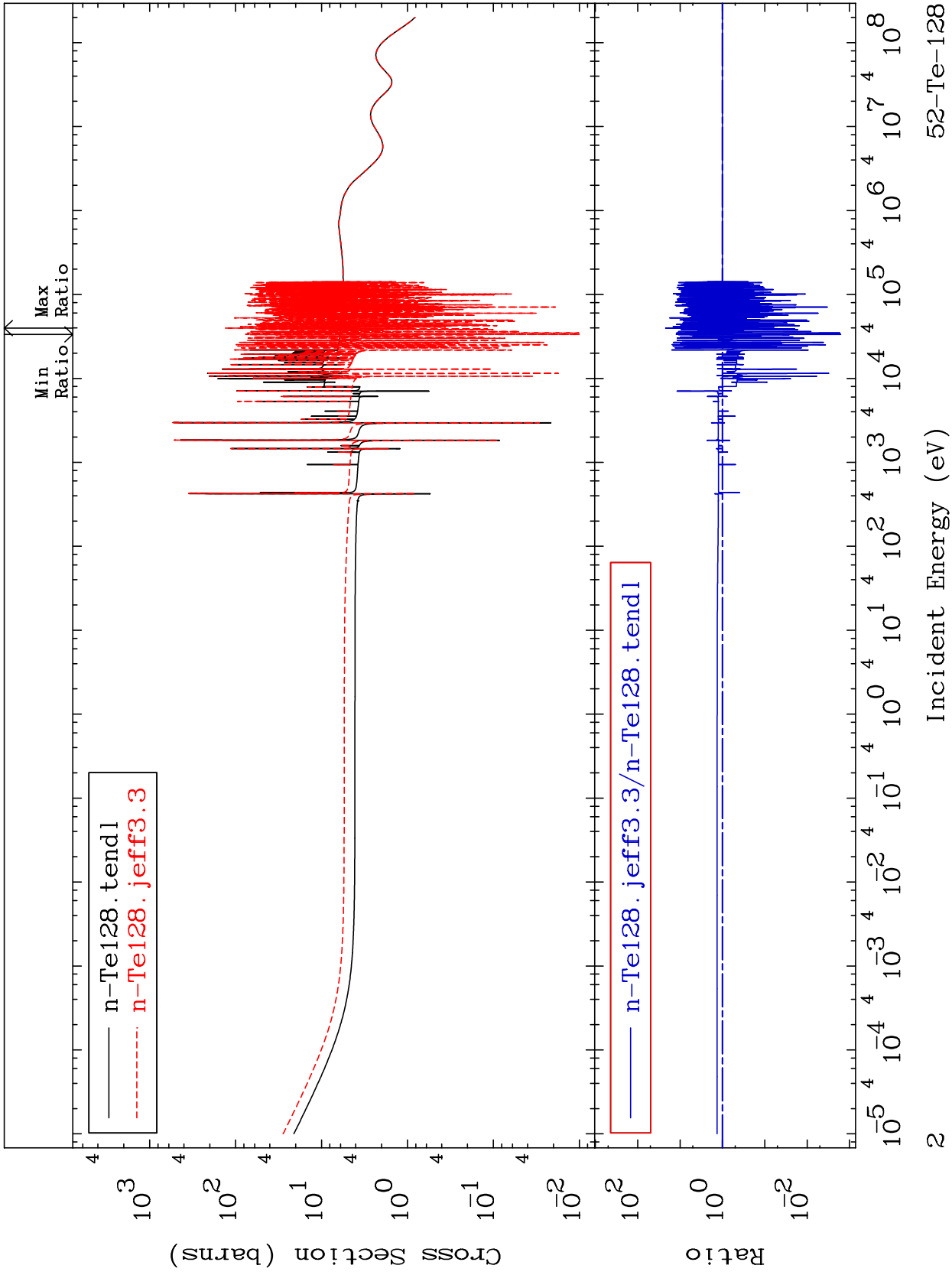
Incident Energy (eV)

52-Te-128

MAT 5249

Elastic
Cross Section

52-Te-128
-99.84 To 2107. %



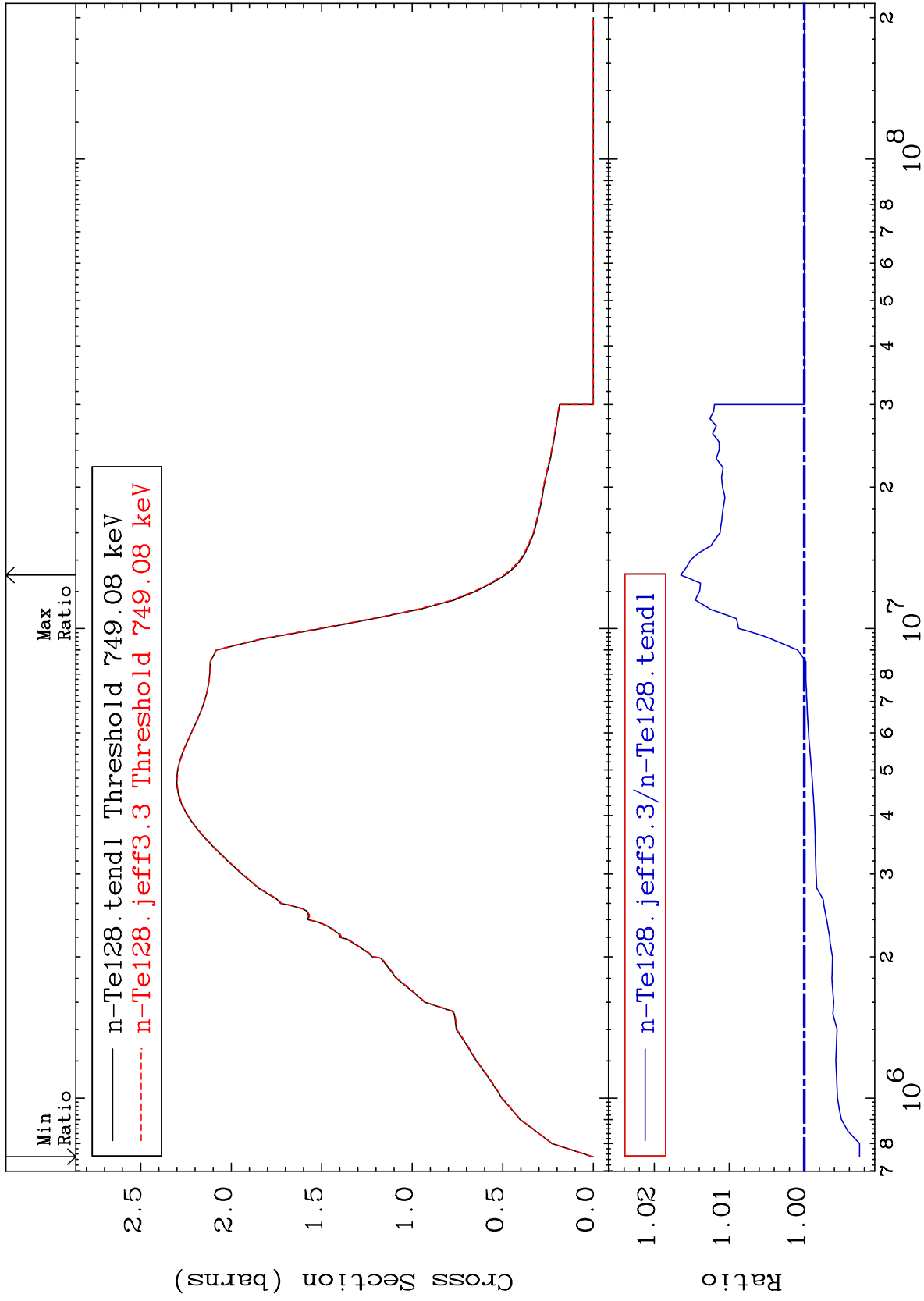
Incident Energy (eV)

52-Te-128

MAT 5249

Inelastic
Cross Section

52-Te-128
-0.736 To 1.646 %



3

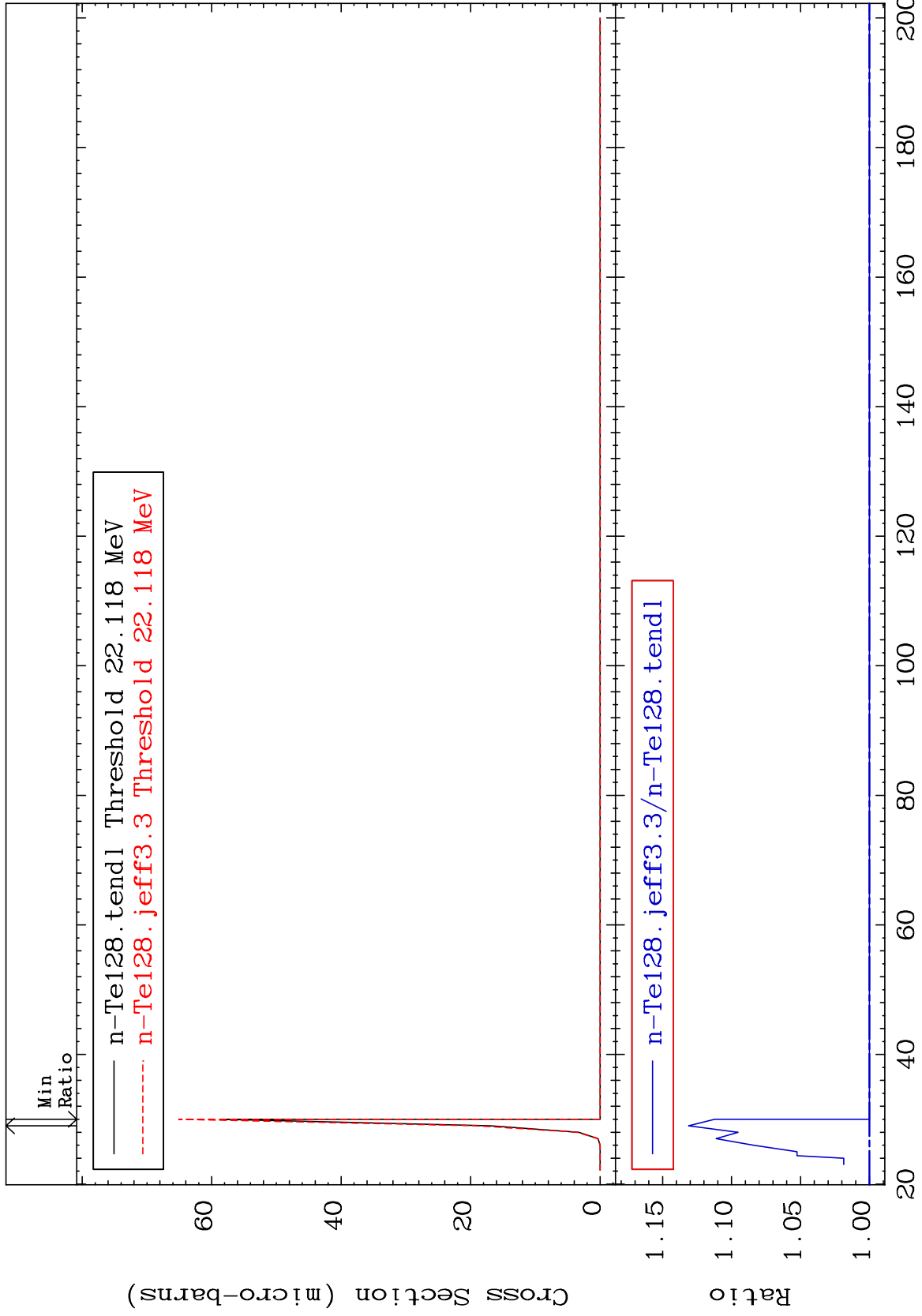
Incident Energy (eV)

52-Te-128

MAT 5249

(n,2n) d
Cross Section

52-Te-128
To 13.11 %



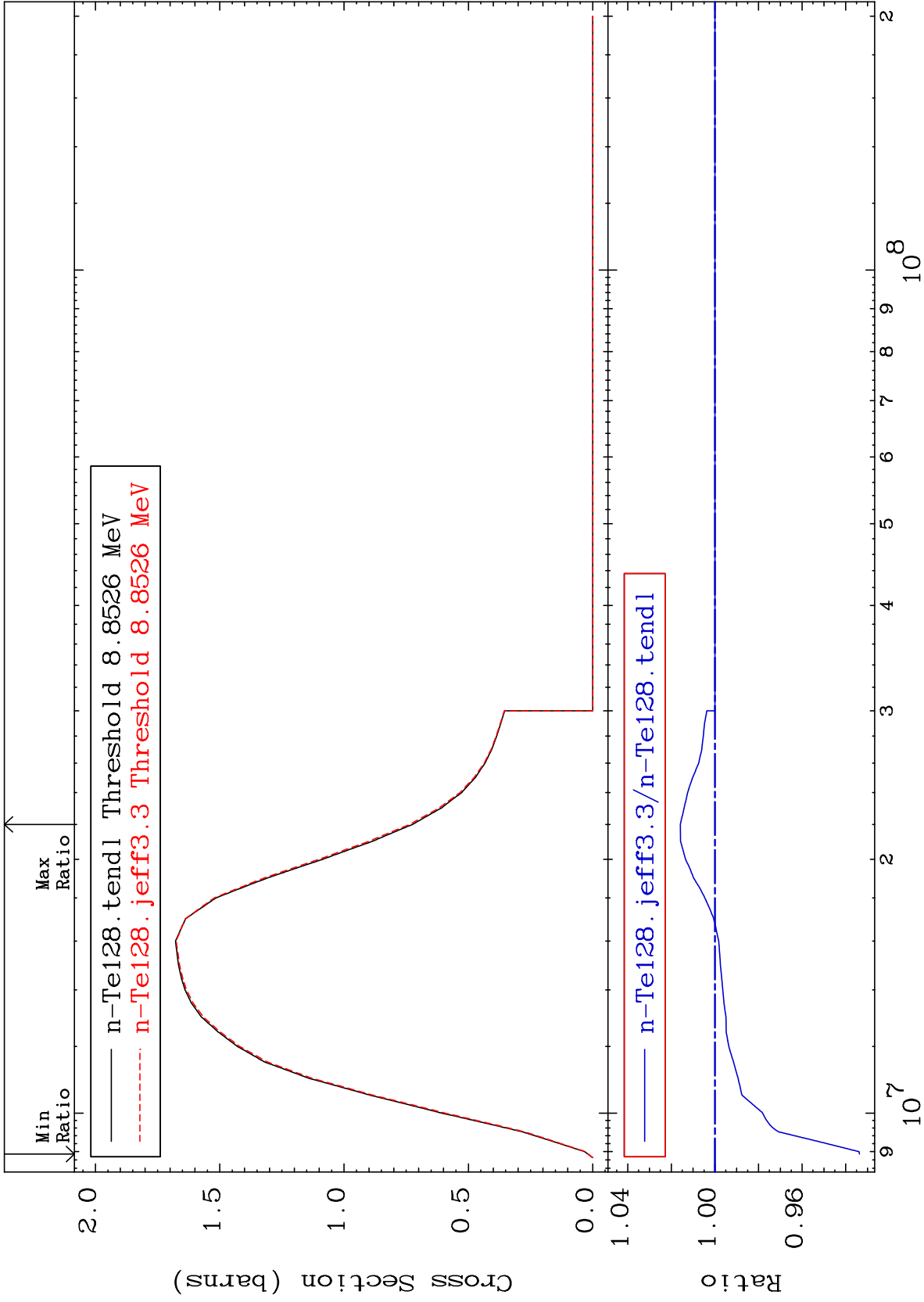
MAT 5249

(n,2n)

52-Te-128

Cross Section

-6.630 To 1.584 %



Incident Energy (eV)

52-Te-128

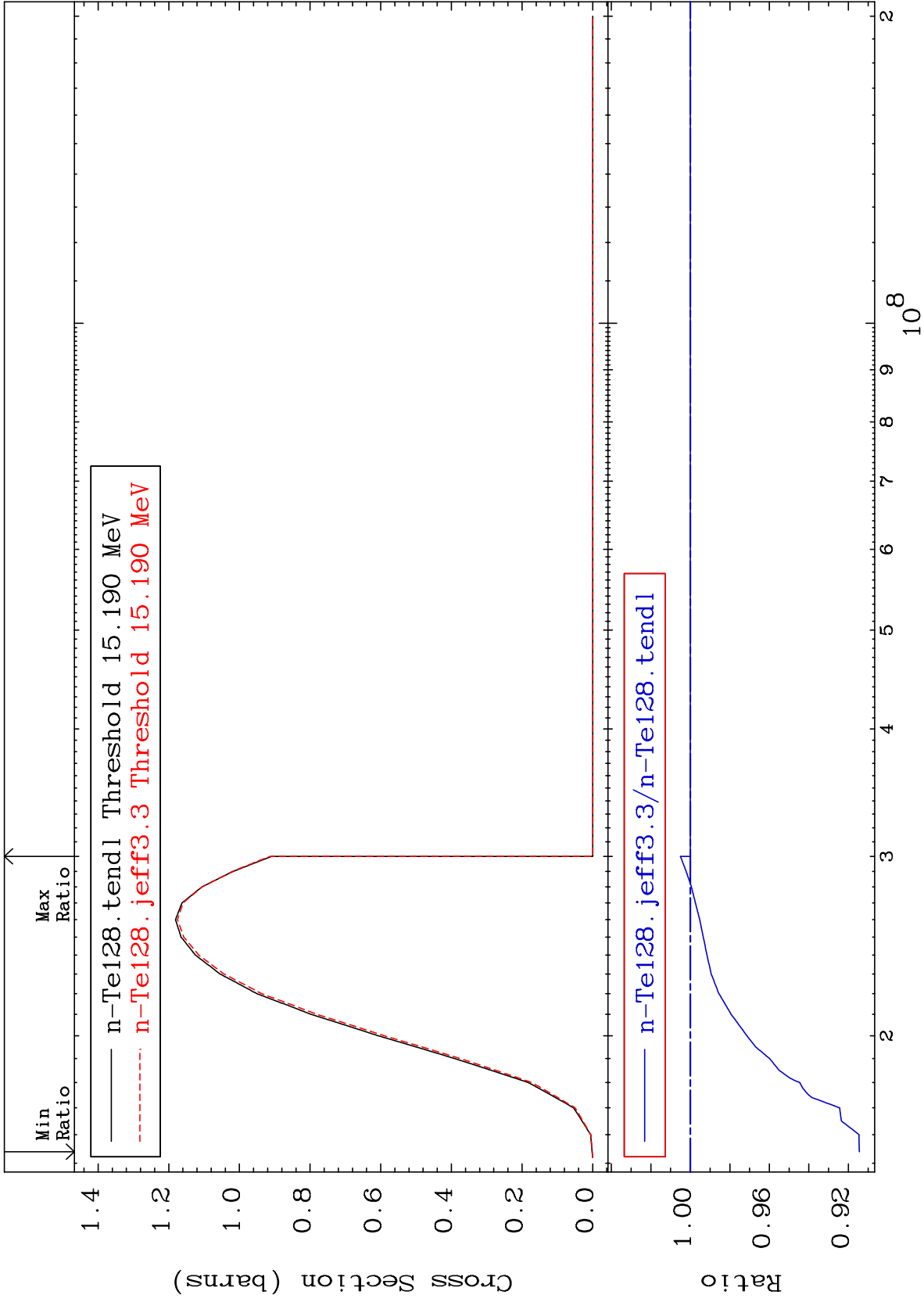
MAT 5249

(n,3n)

52-Te-128

Cross Section

-8.561 To 0.505 %



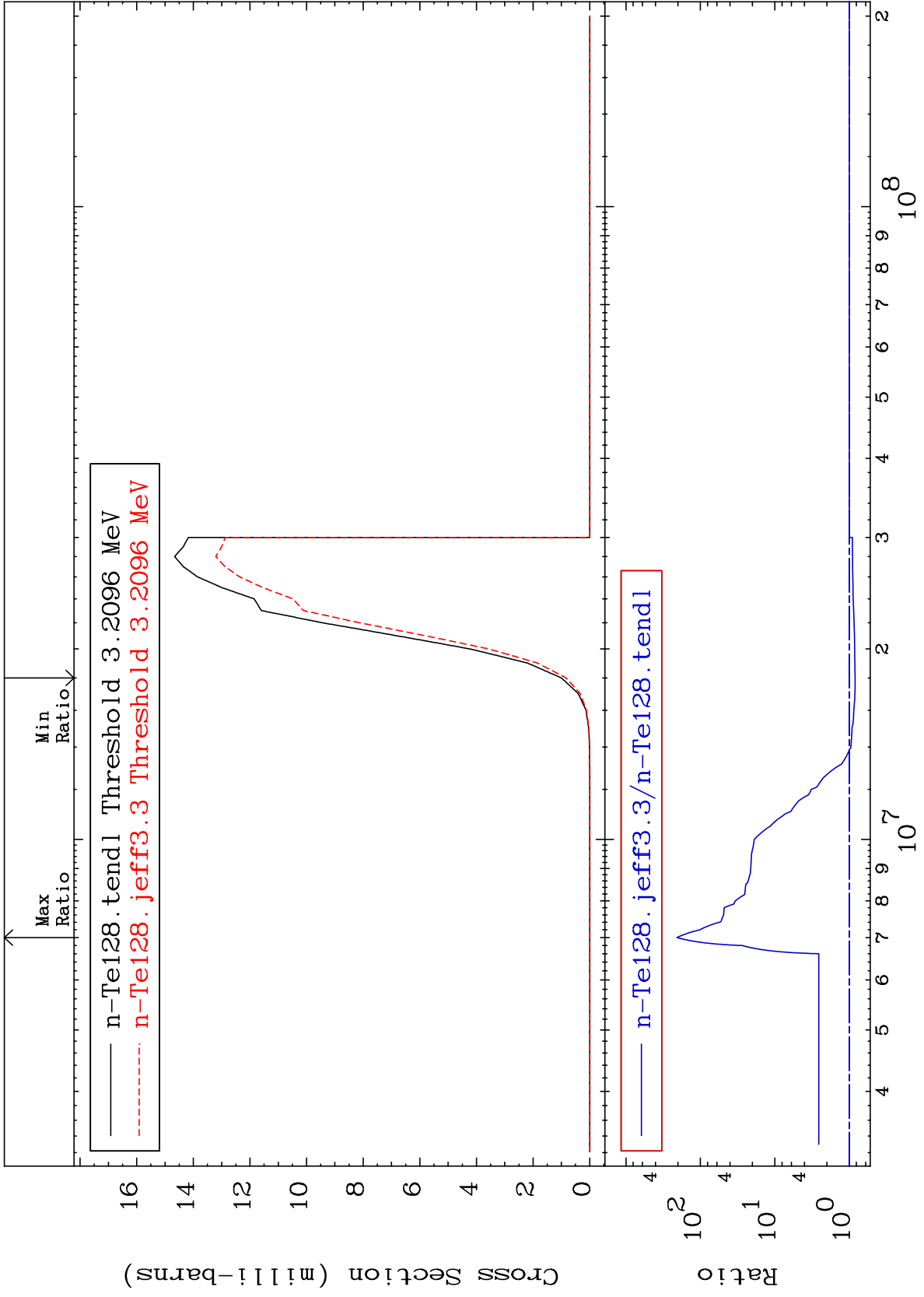
MAT 5249

(n,n') α

52-Te-128

Cross Section

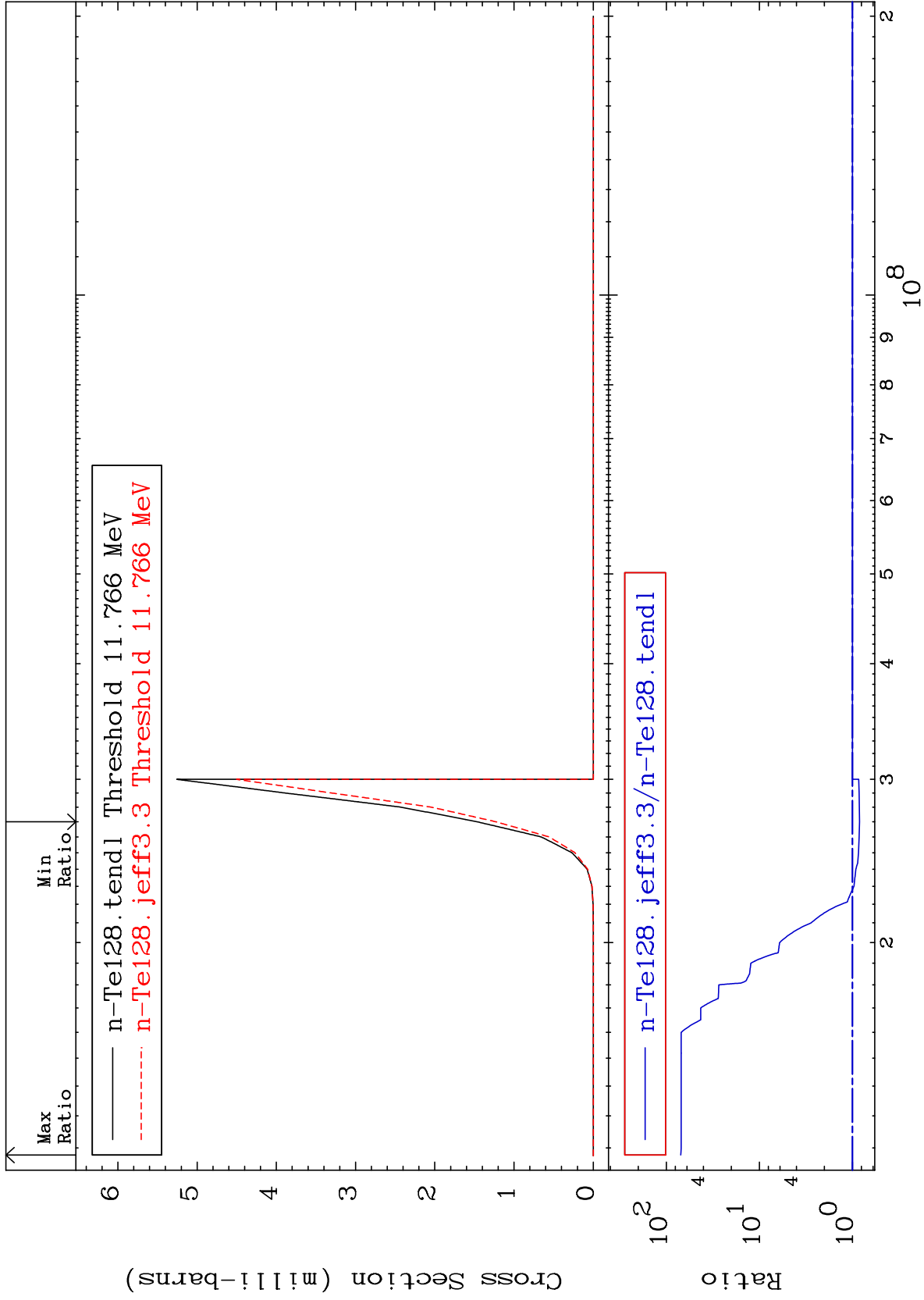
-16.67 To 9999. %



7

Incident Energy (eV)

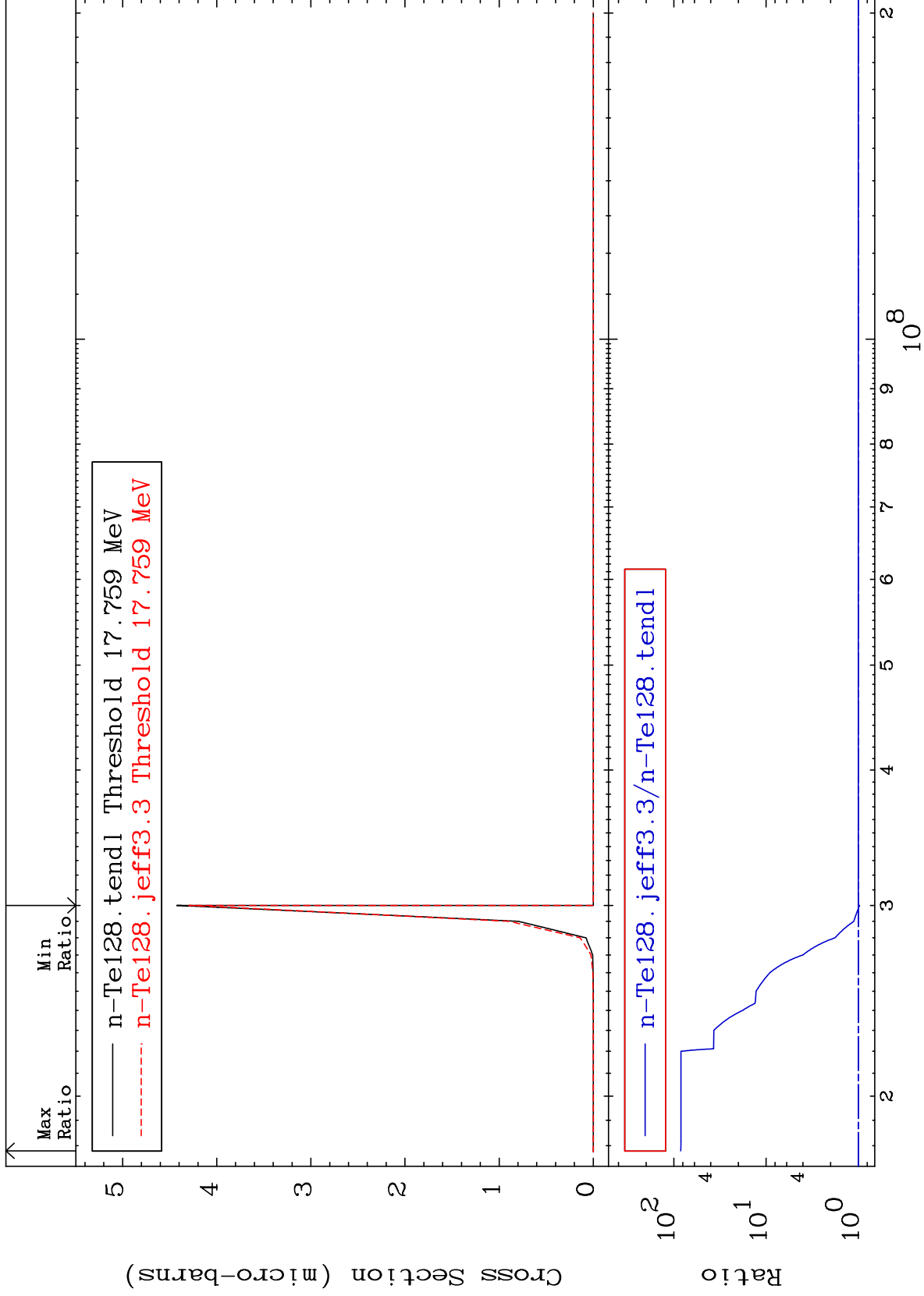
52-Te-128



MAT 5249

(n,3n) α
Cross Section

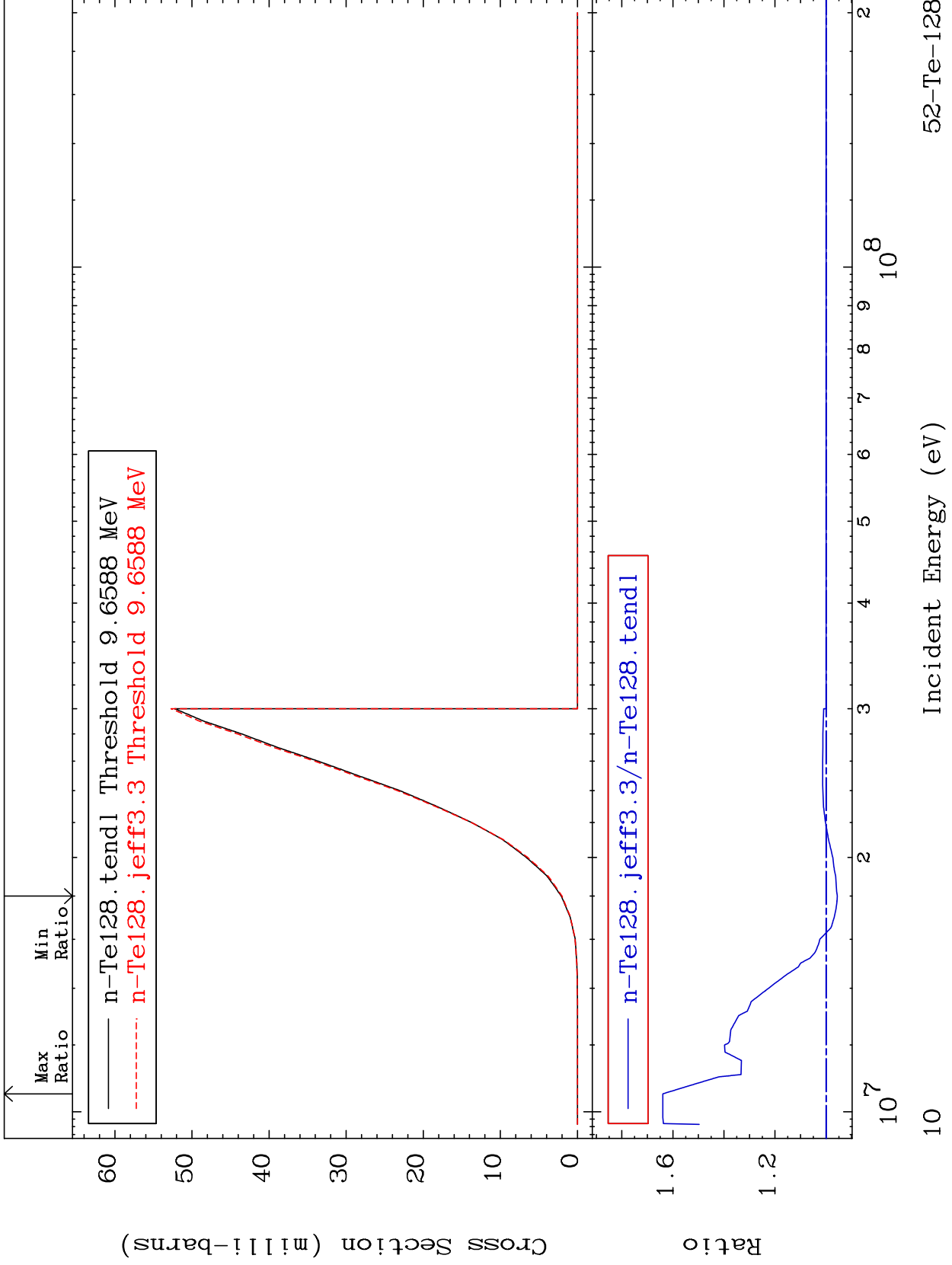
52-Te-128
-2.982 To 8334. %



MAT 5249

(n,n') p
Cross Section

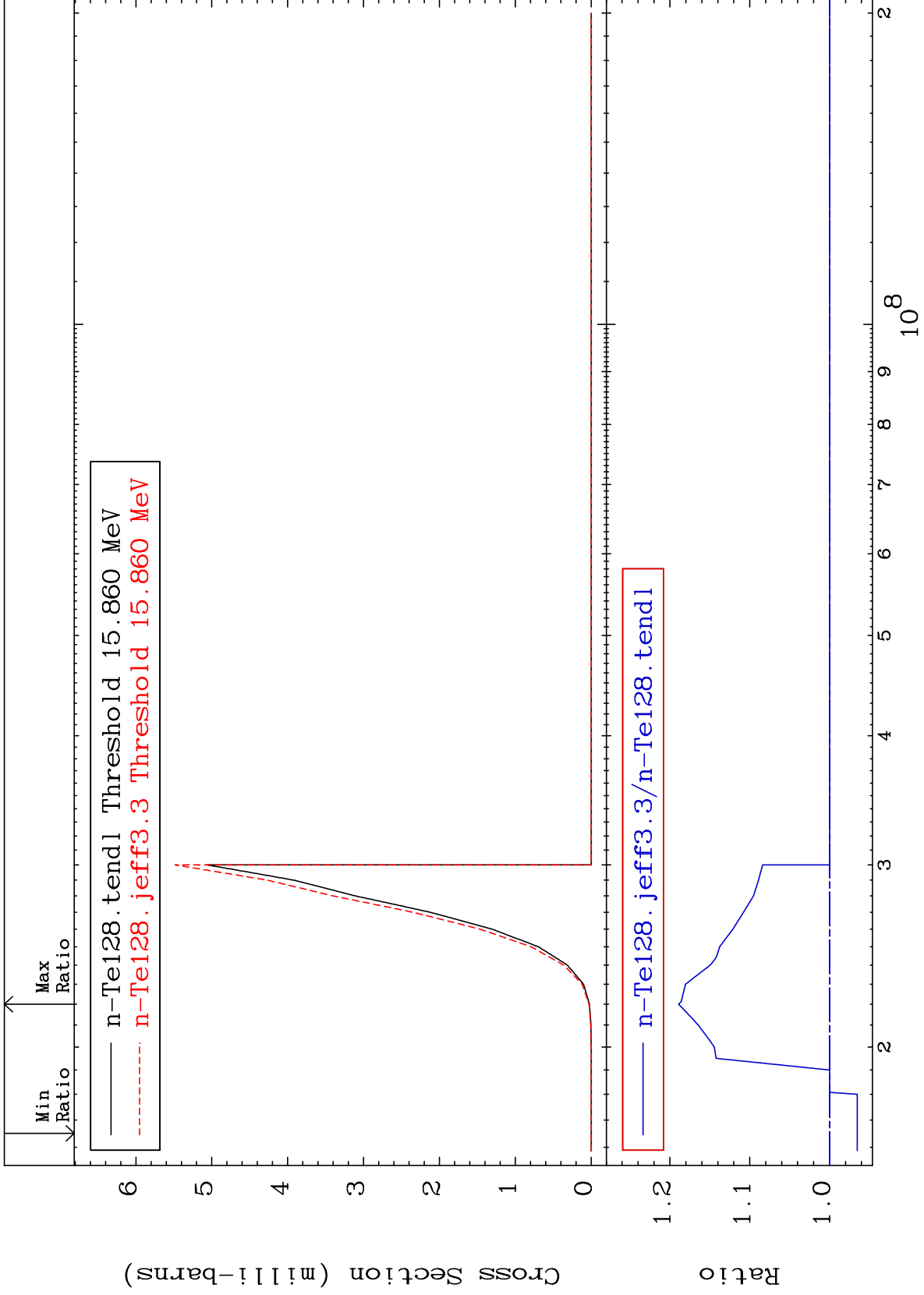
52-Te-128
-4.395 To 63.94 %



MAT 5249

(n,n') d
Cross Section

52-Te-128
-3.468 To 18.91 %



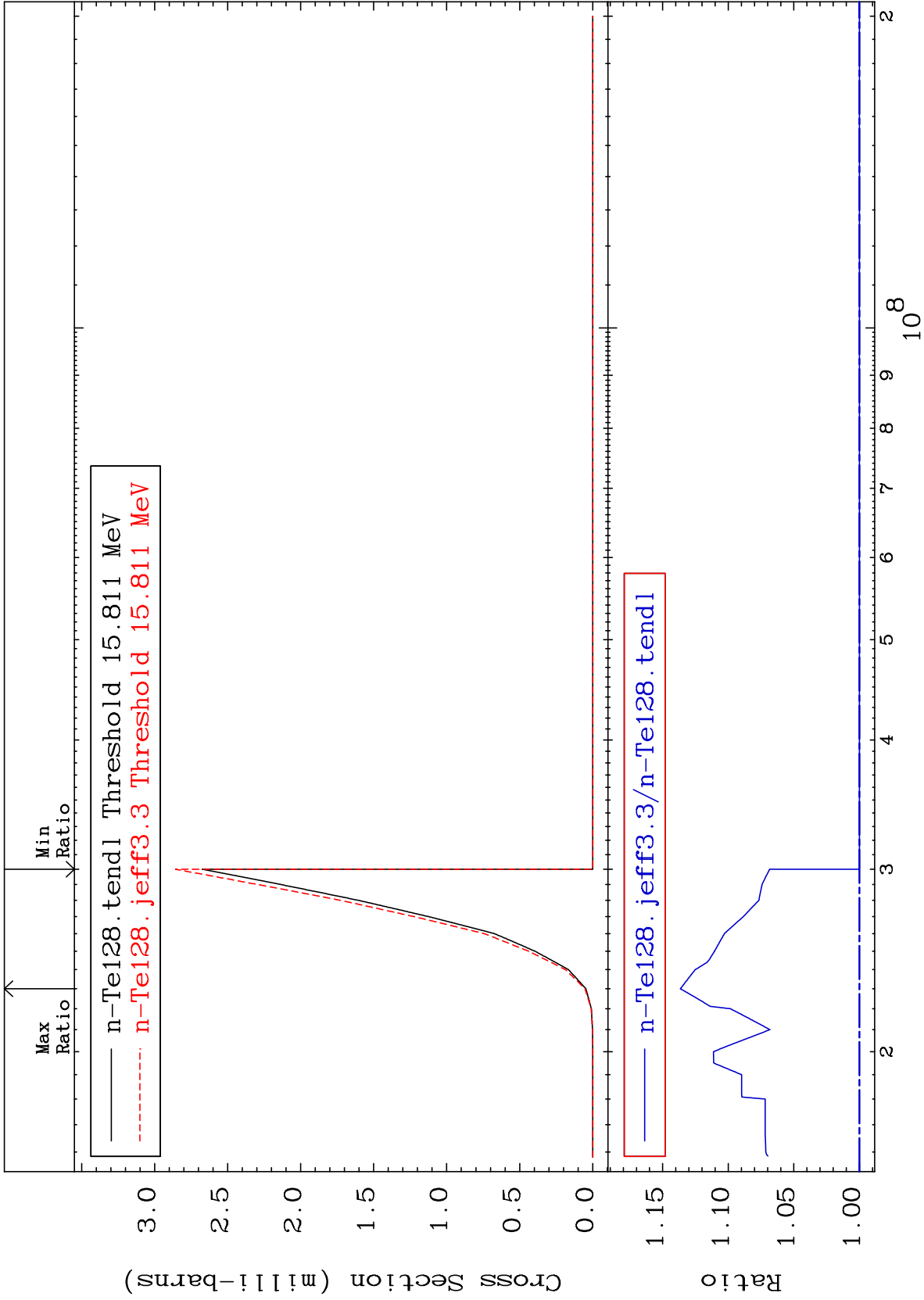
MAT 5249

(n,n') t

52-Te-128

Cross Section

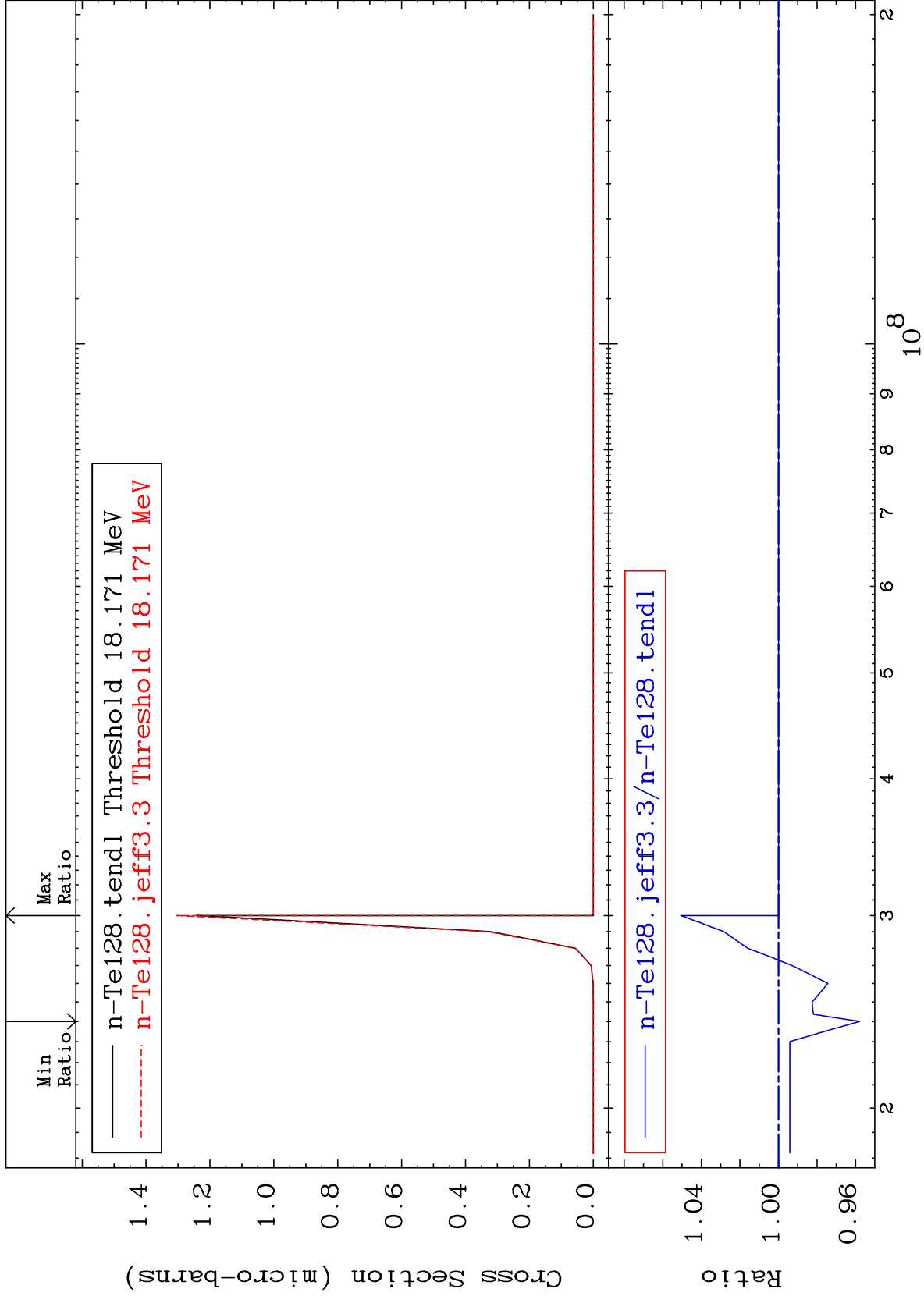
0.000 To 13.65 %



MAT 5249

(n, n') He-3
Cross Section

52-Te-128
-4.204 To 5.066 %



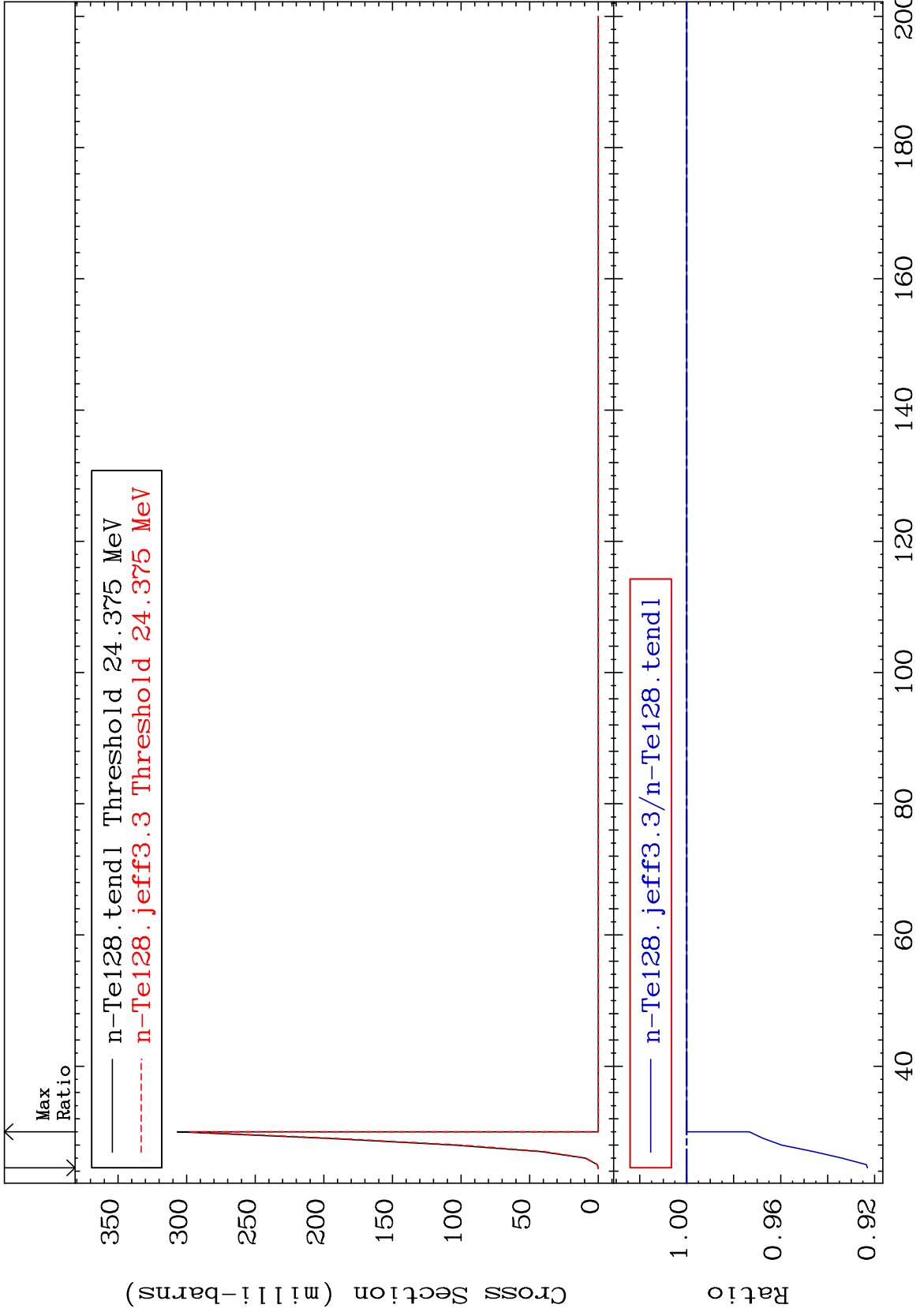
MAT 5249

(n,4n)

52-Te-128

Cross Section

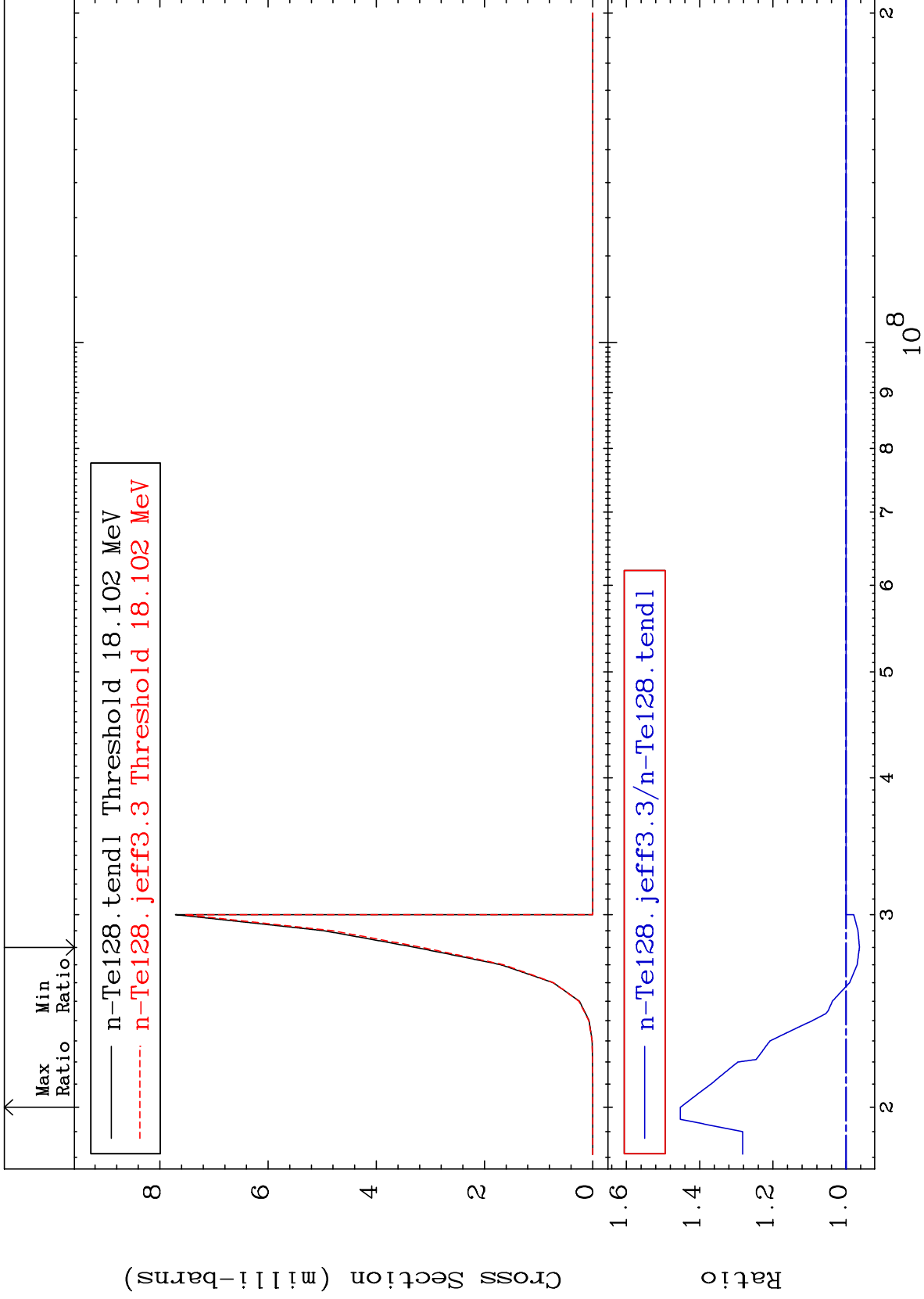
-7.693 To 0.000 %



MAT 5249

(n,2n) p
Cross Section

52-Te-128
-3.645 To 45.26 %



15

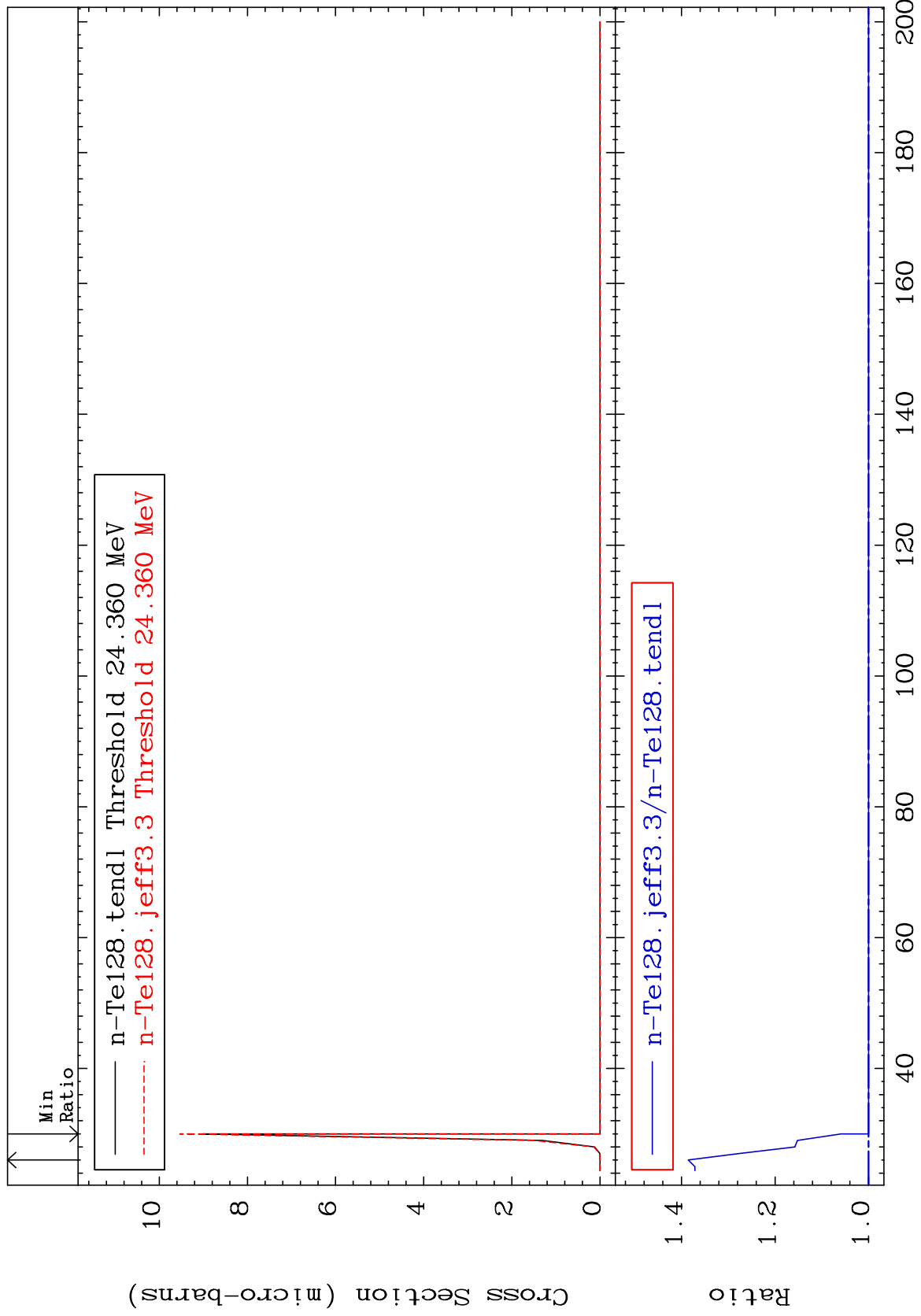
Incident Energy (eV)

52-Te-128

MAT 5249

(n,3n) p
Cross Section

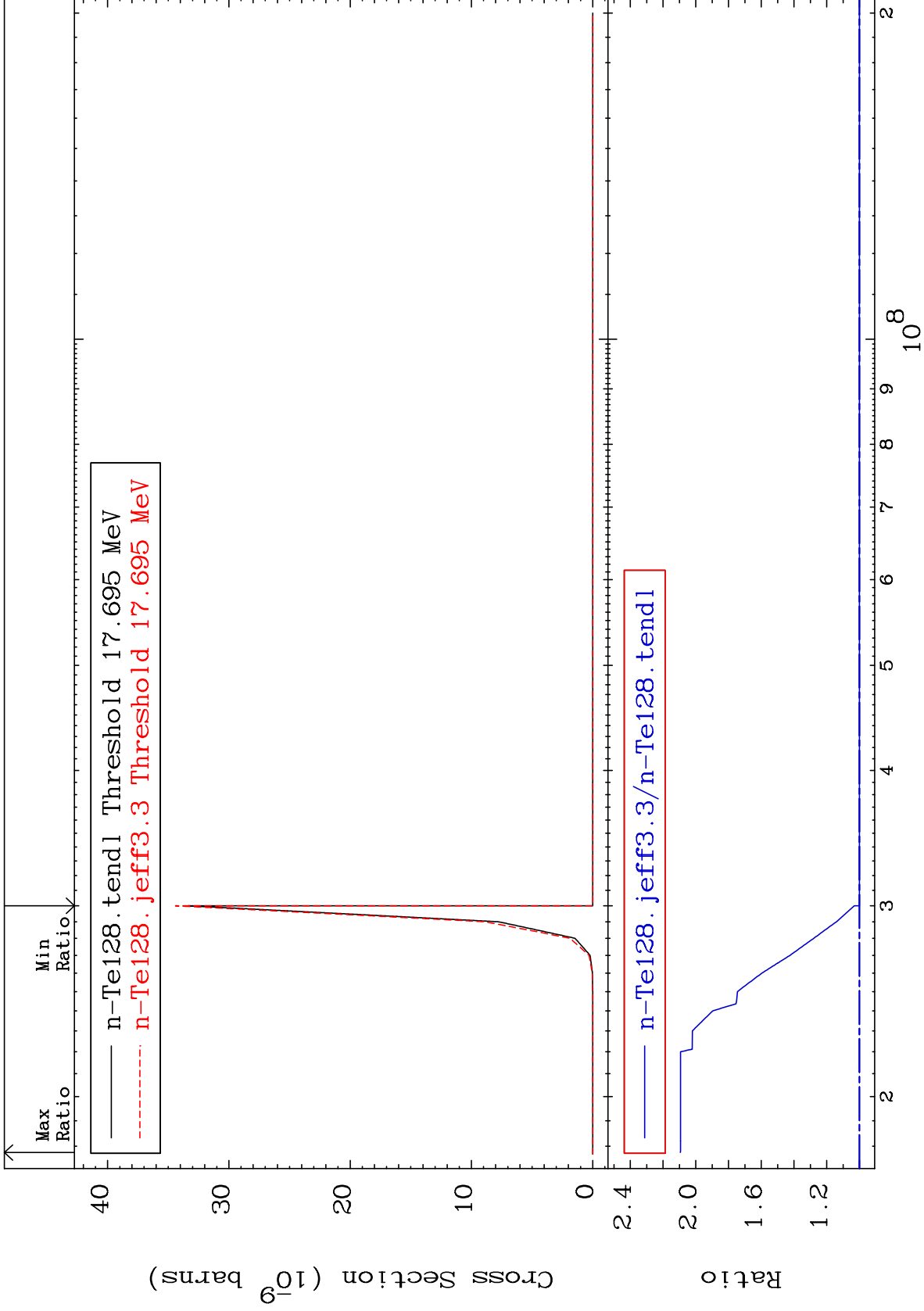
52-Te-128
To 38.56 %



MAT 5249

(n,2n) p
Cross Section

52-Te-128
To 109.4 %



17

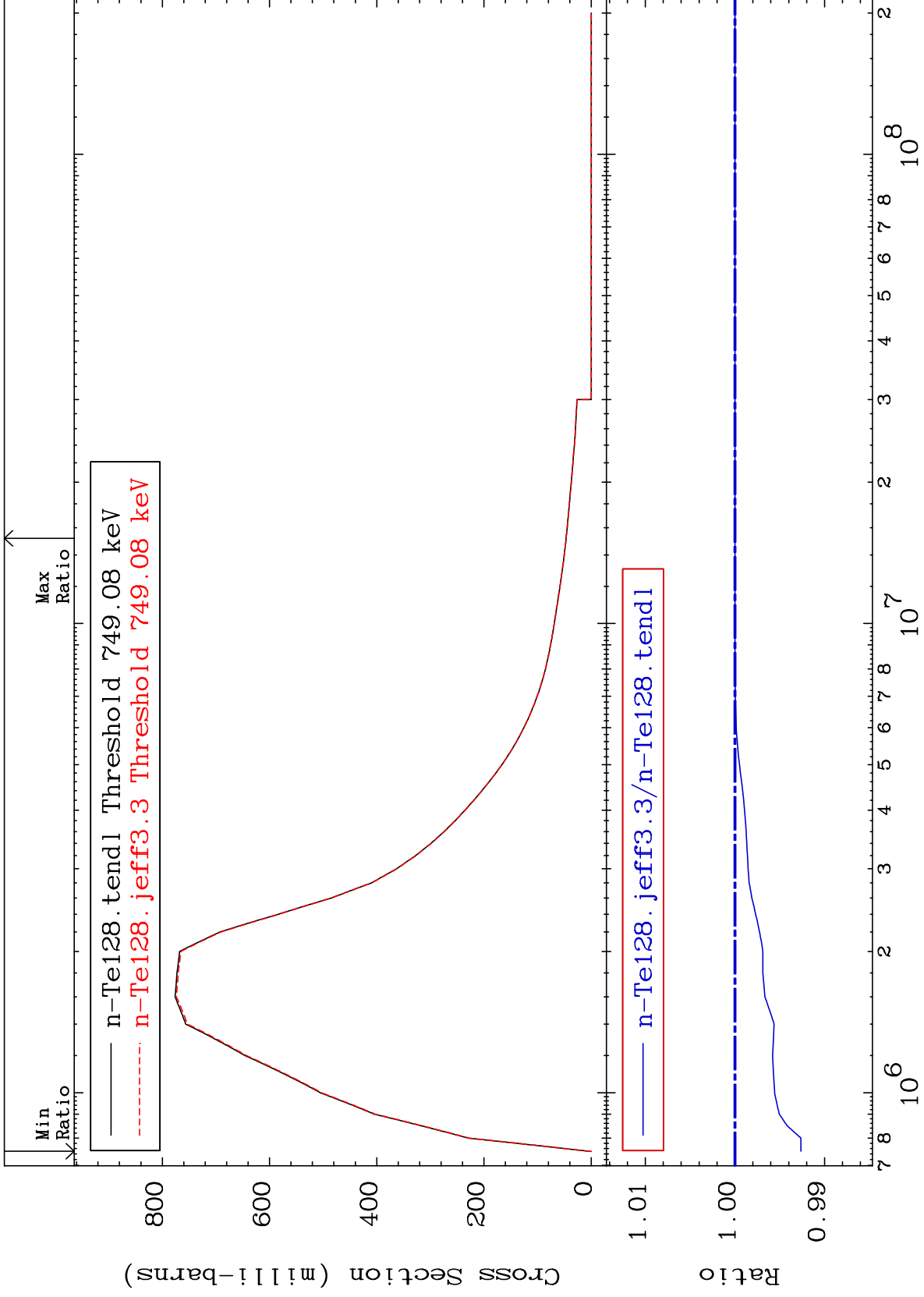
Incident Energy (eV)

52-Te-128

MAT 5249

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

52-Te-128
-0.736 To 0.000 %



18

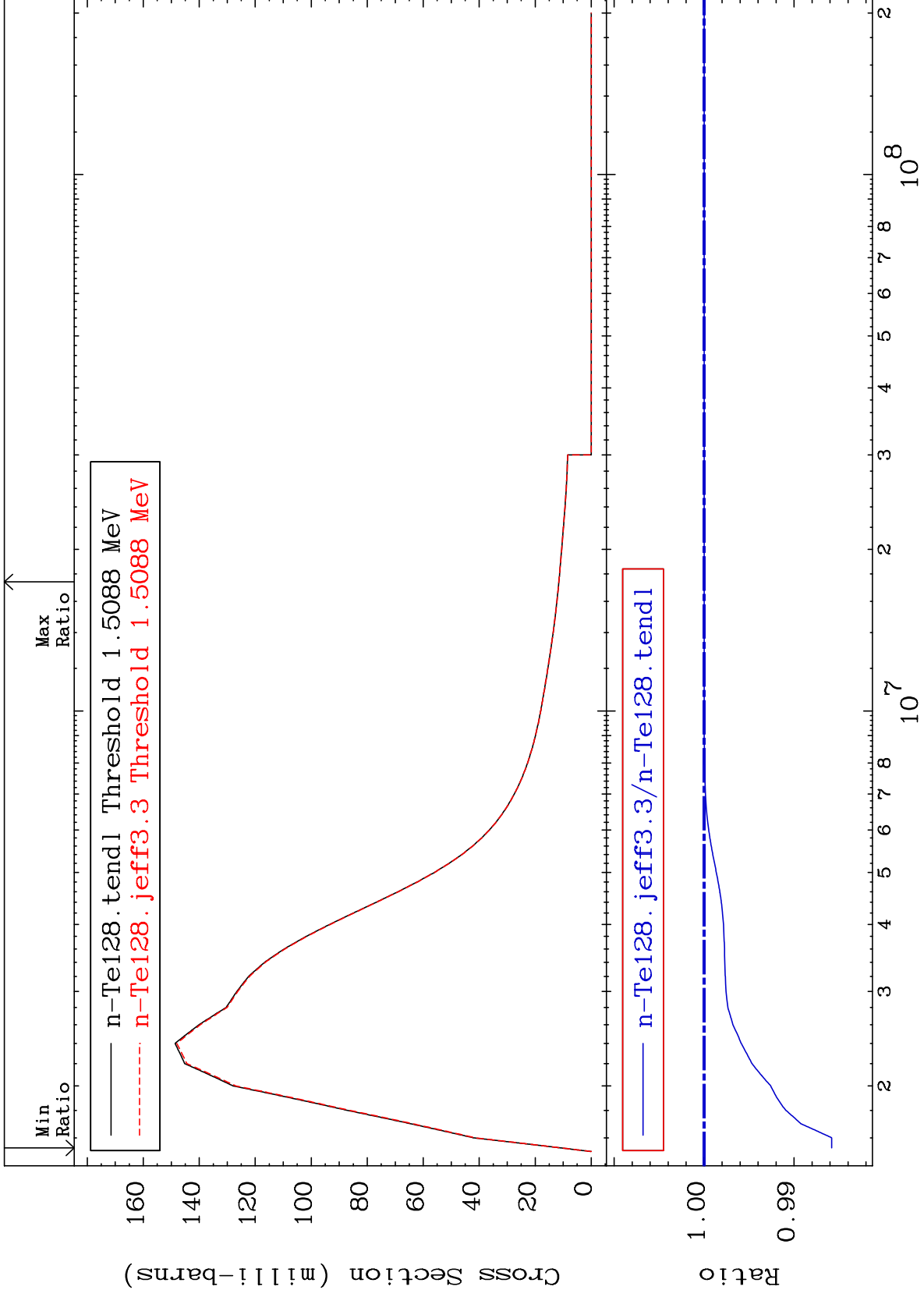
Incident Energy (eV)

52-Te-128

MAT 5249

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

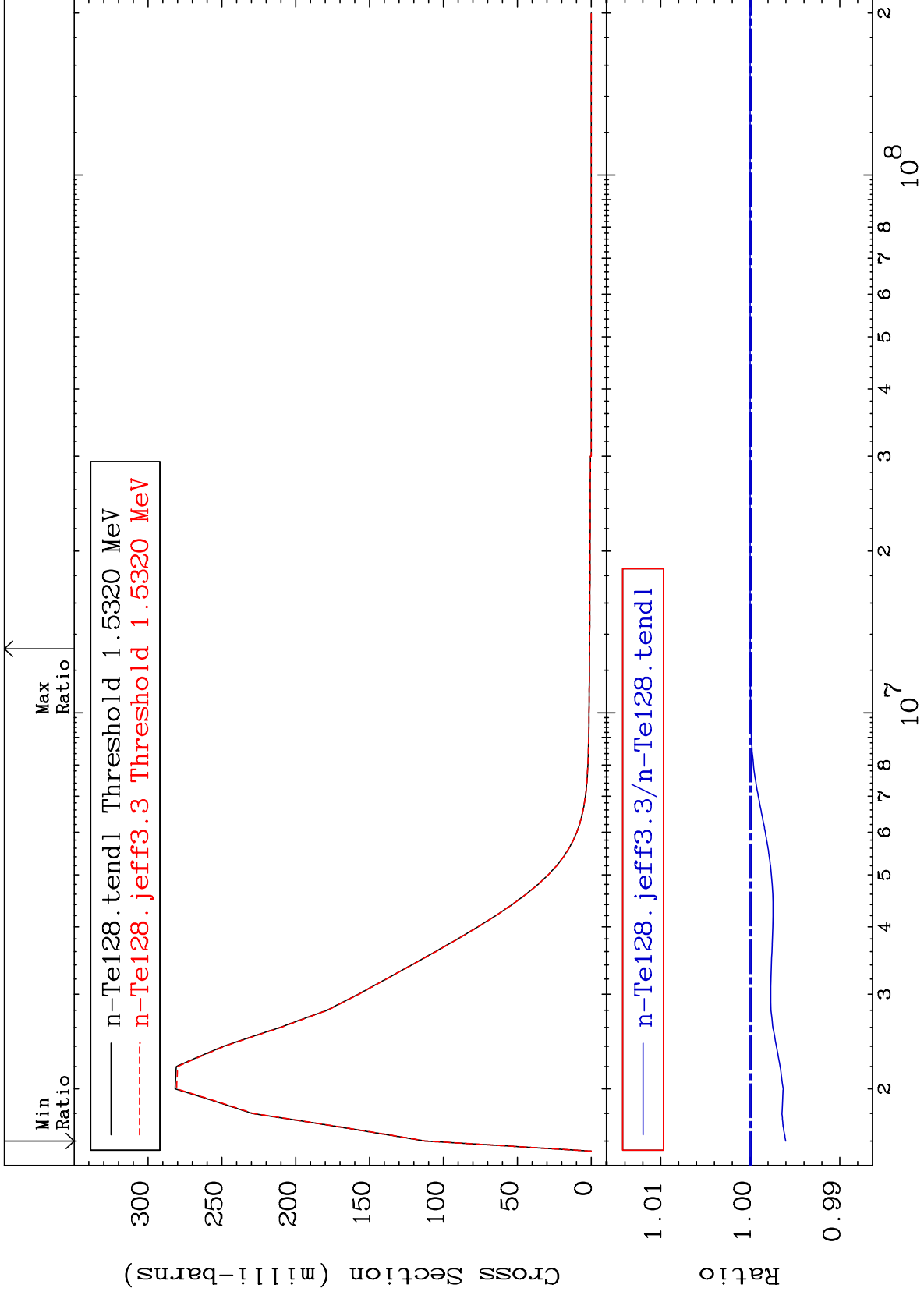
52-Te-128
-1.419 To 0.000 %



MAT 5249

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

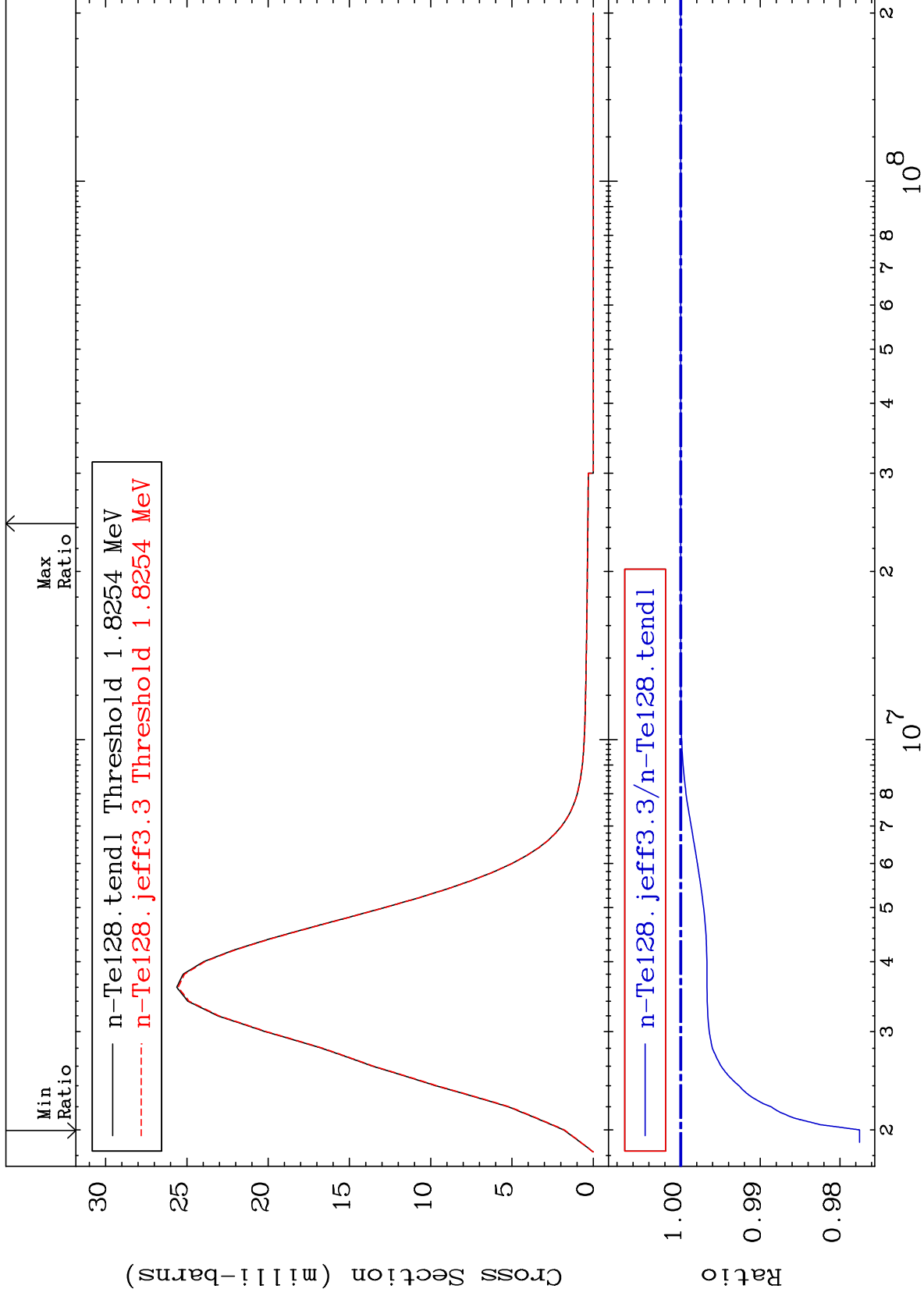
52-Te-128
-0.396 To 0.000 %



MAT 5249

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

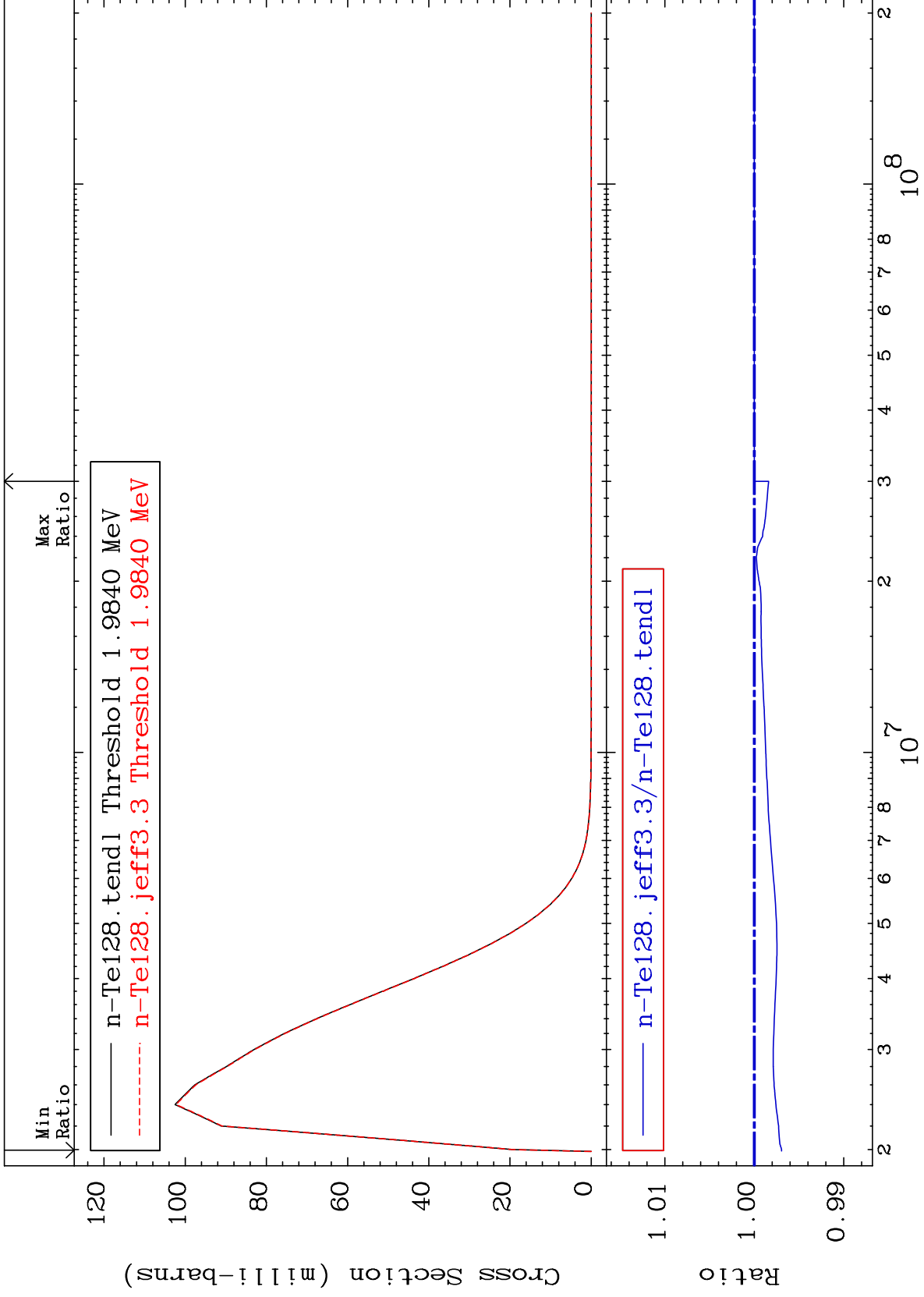
52-Te-128
-2.247 To 0.000 %



MAT 5249

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

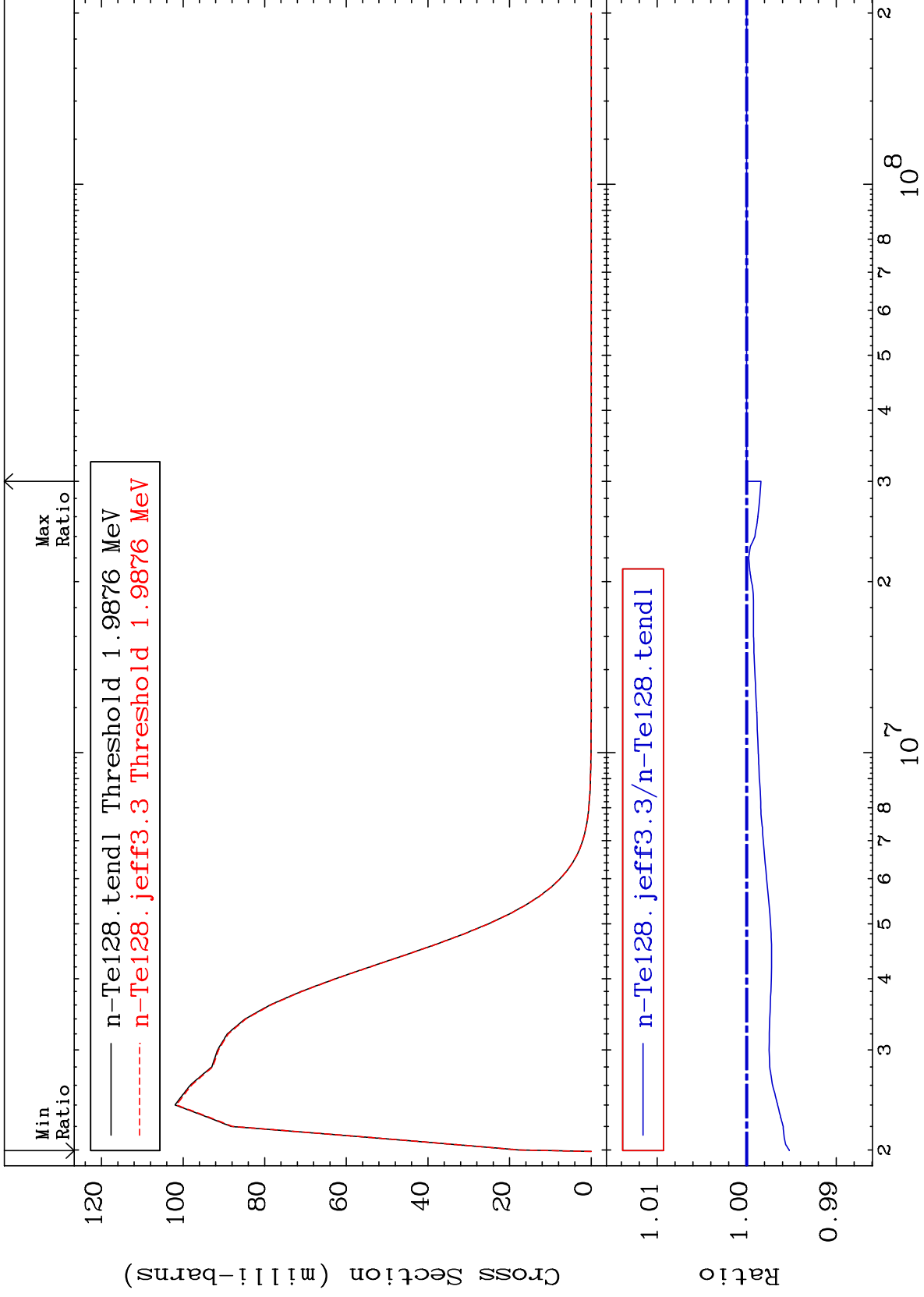
52-Te-128
-0.306 To 0.000 %



MAT 5249

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

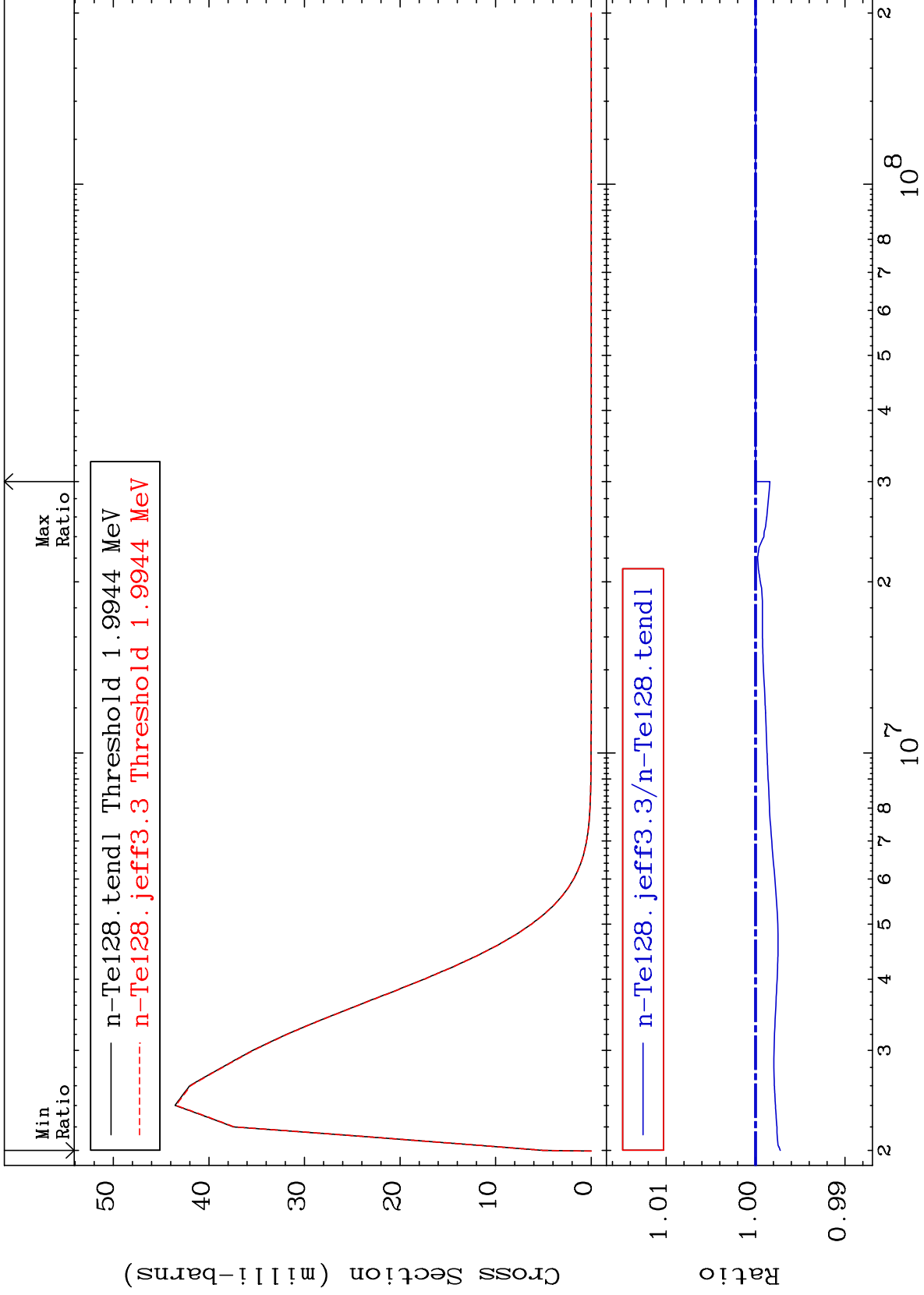
52-Te-128
-0.475 To 0.000 %



MAT 5249

MT= 57 (n,n') Level
Cross Section

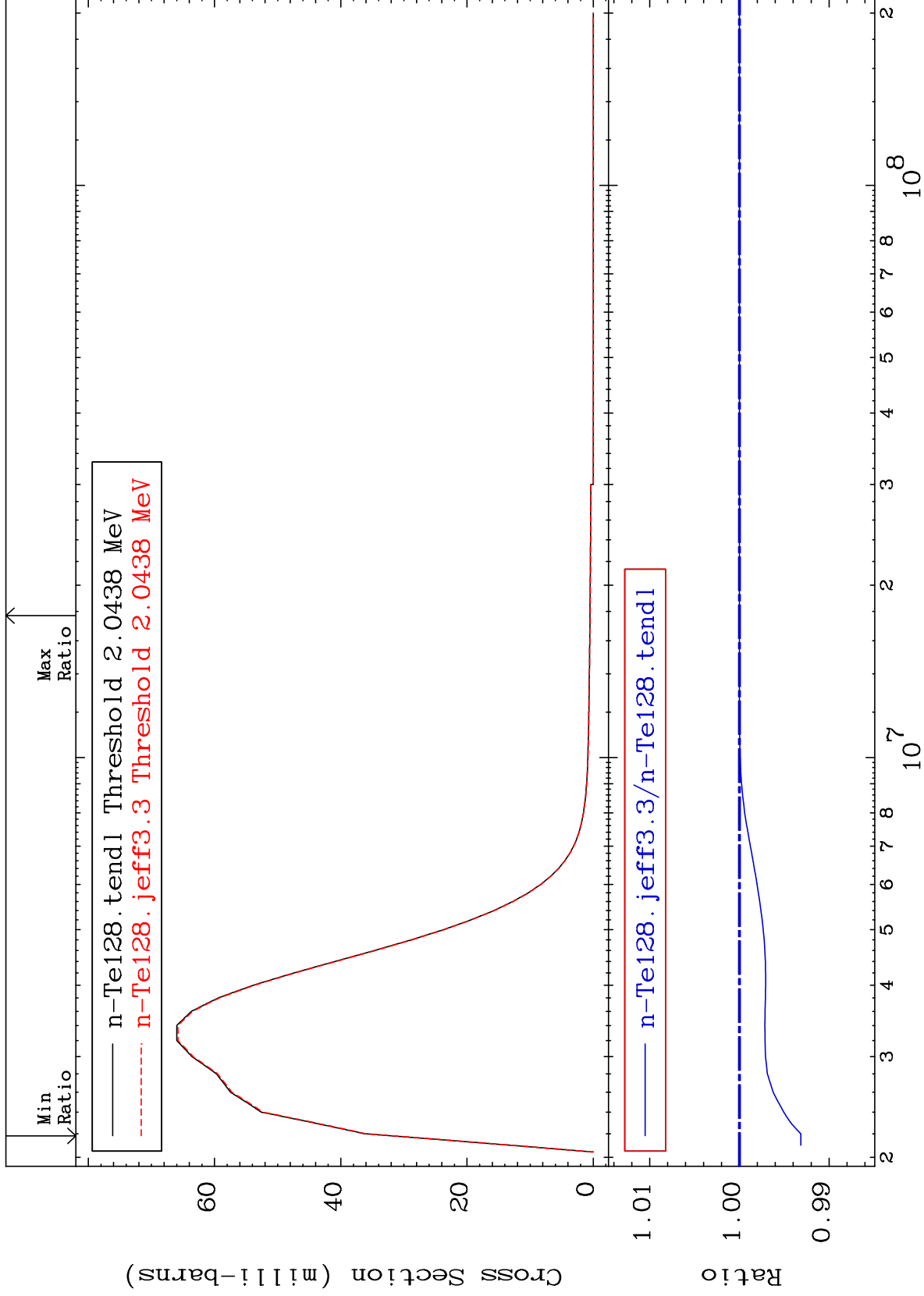
52-Te-128
-0.277 To 0.000 %



MAT 5249

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

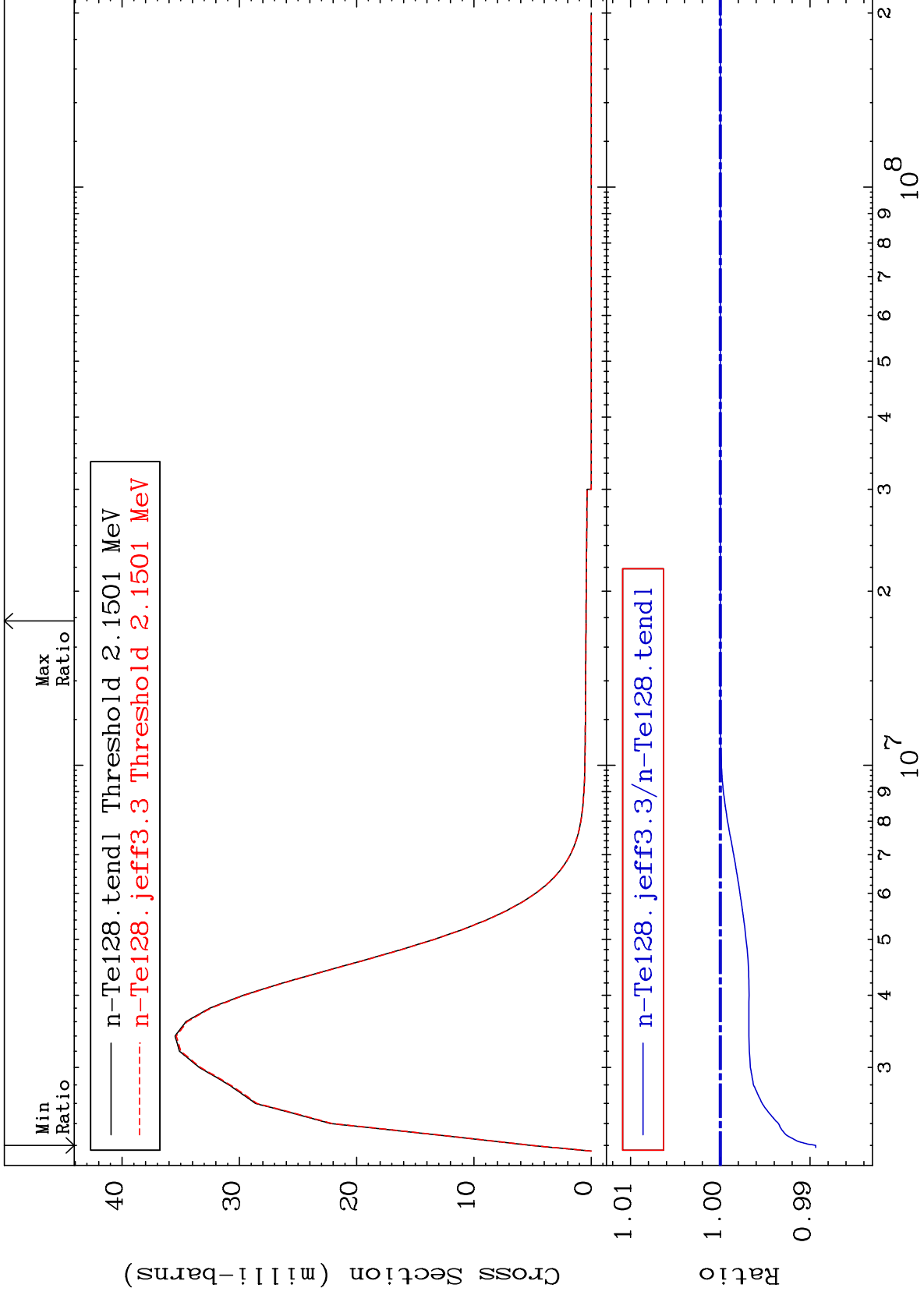
52-Te-128
-0.686 To 0.000 %



MAT 5249

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

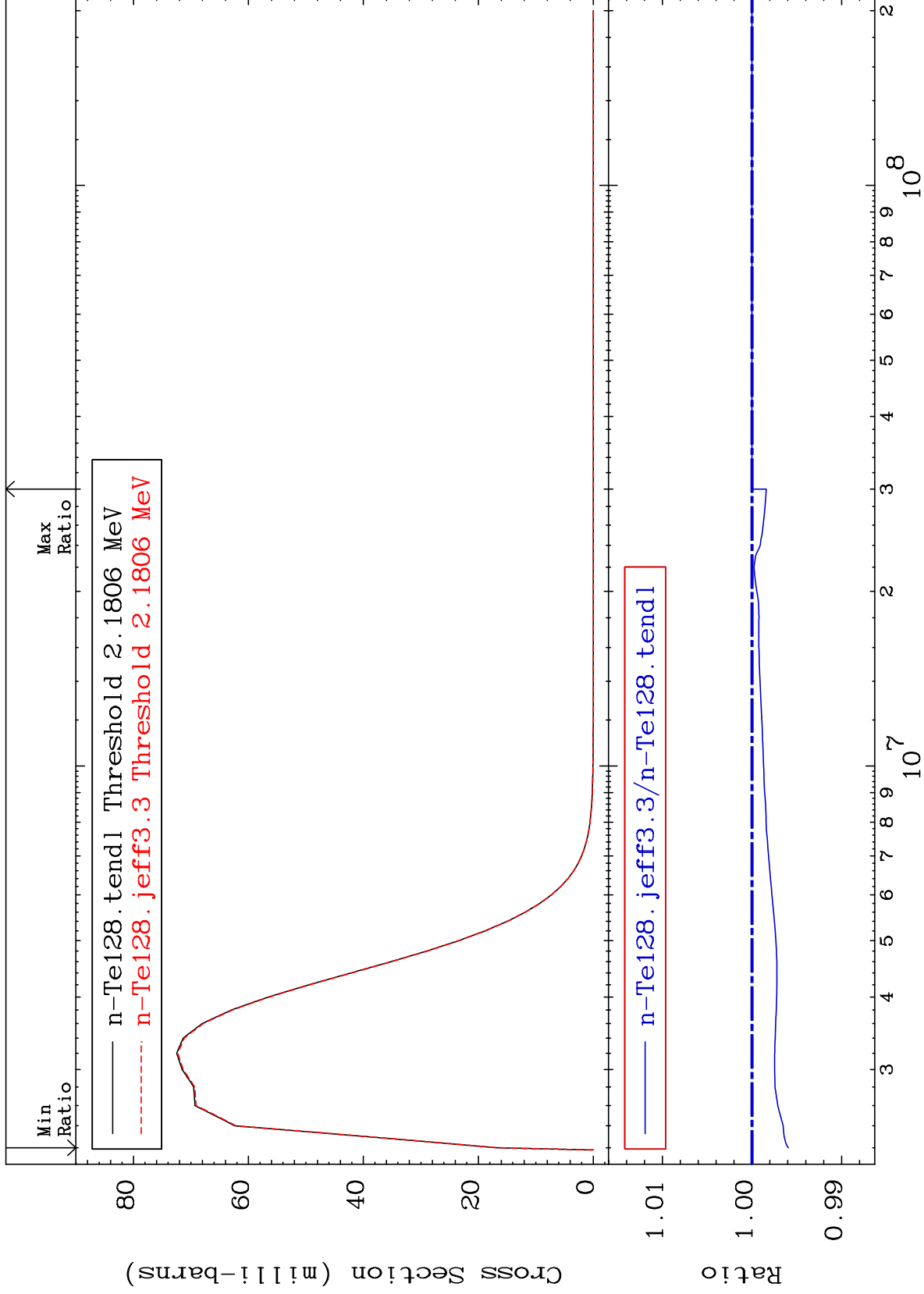
52-Te-128
-1.061 To 0.000 %



MAT 5249

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

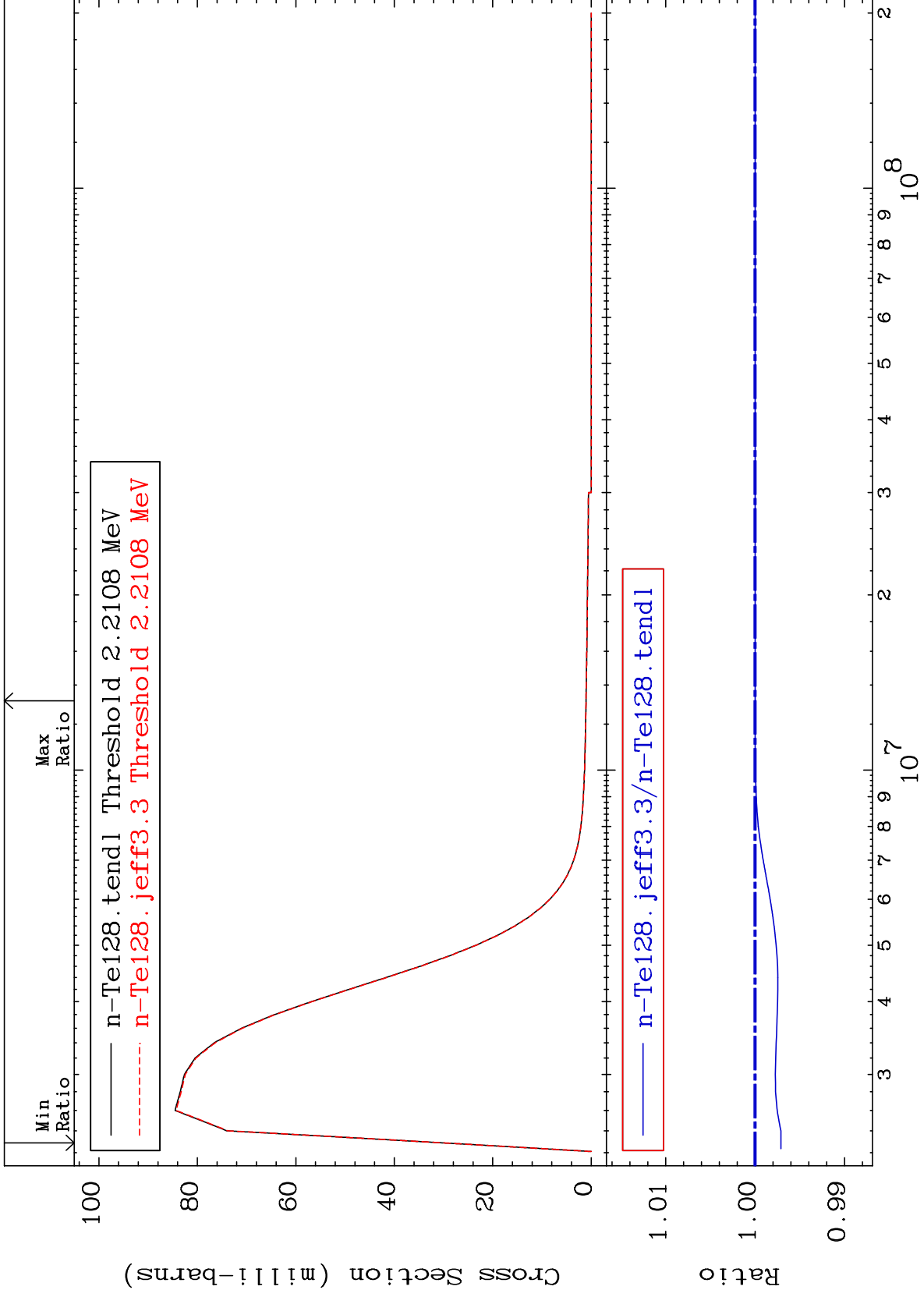
52-Te-128
-0.406 To 0.000 %



MAT 5249

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

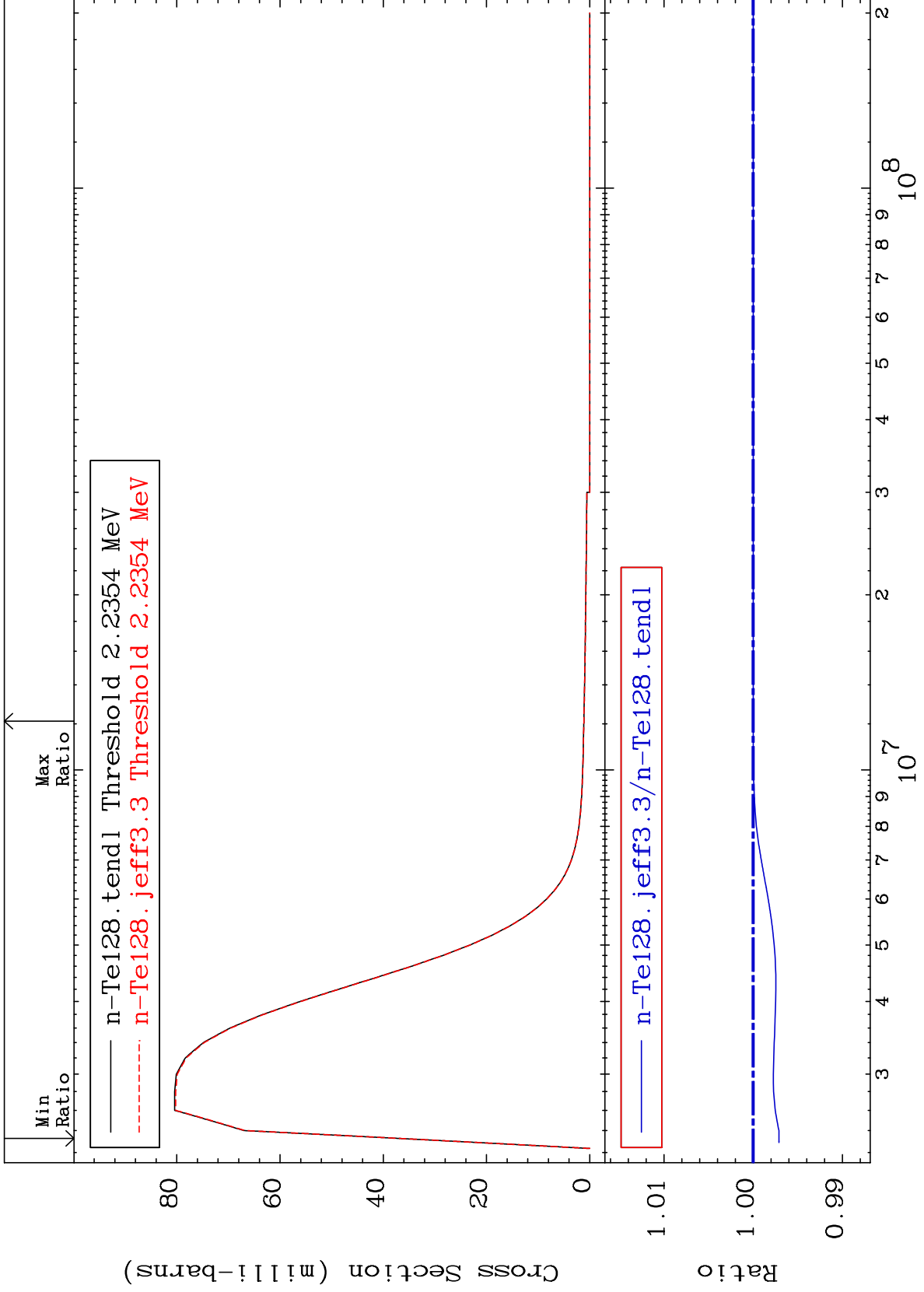
52-Te-128
-0.288 To 0.000 %



MAT 5249

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

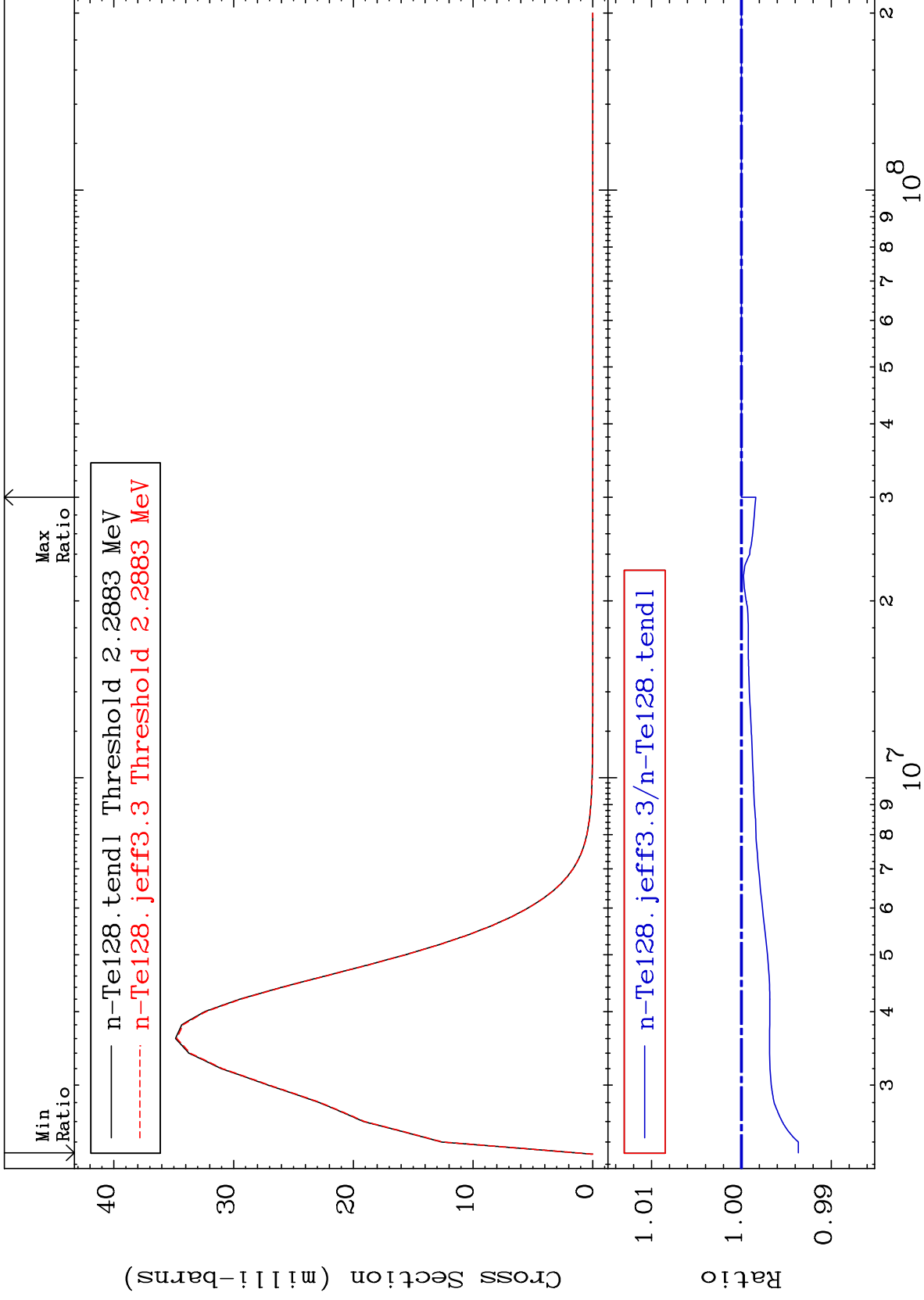
52-Te-128
-0.288 To 0.000 %



MAT 5249

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

52-Te-128
-0.635 To 0.000 %



30

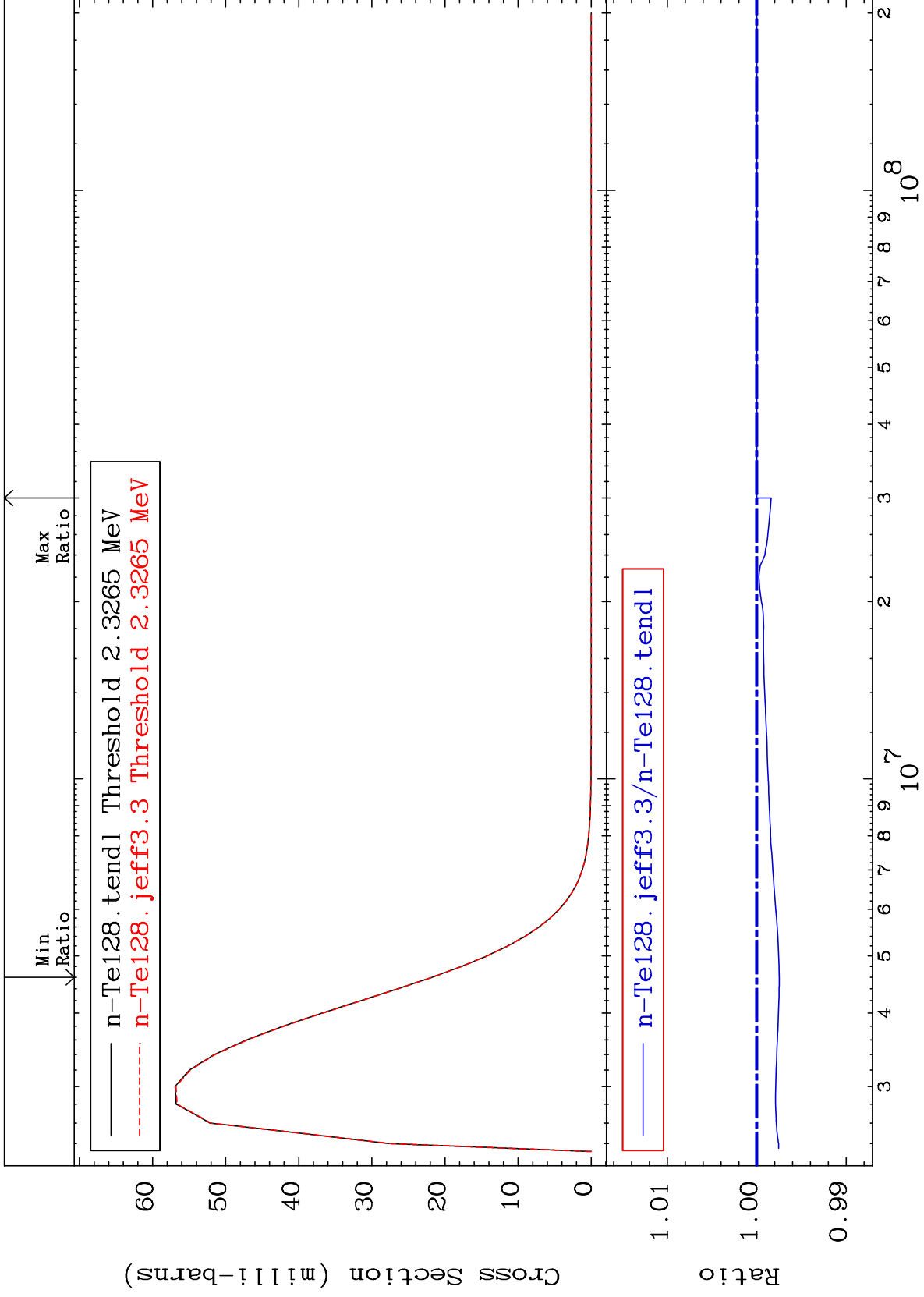
Incident Energy (eV)

52-Te-128

MAT 5249

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

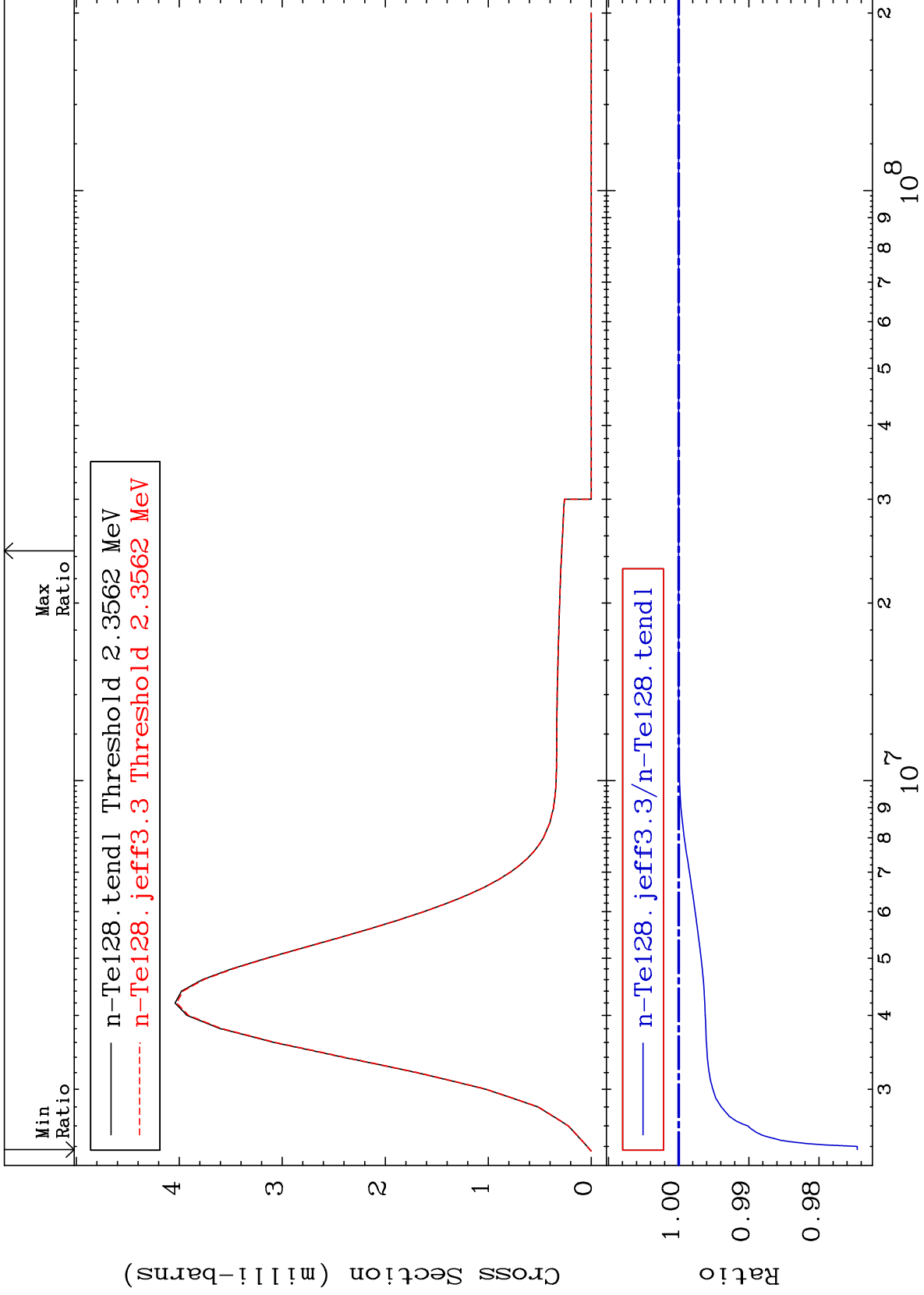
52-Te-128
-0.251 To 0.000 %



MAT 5249

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

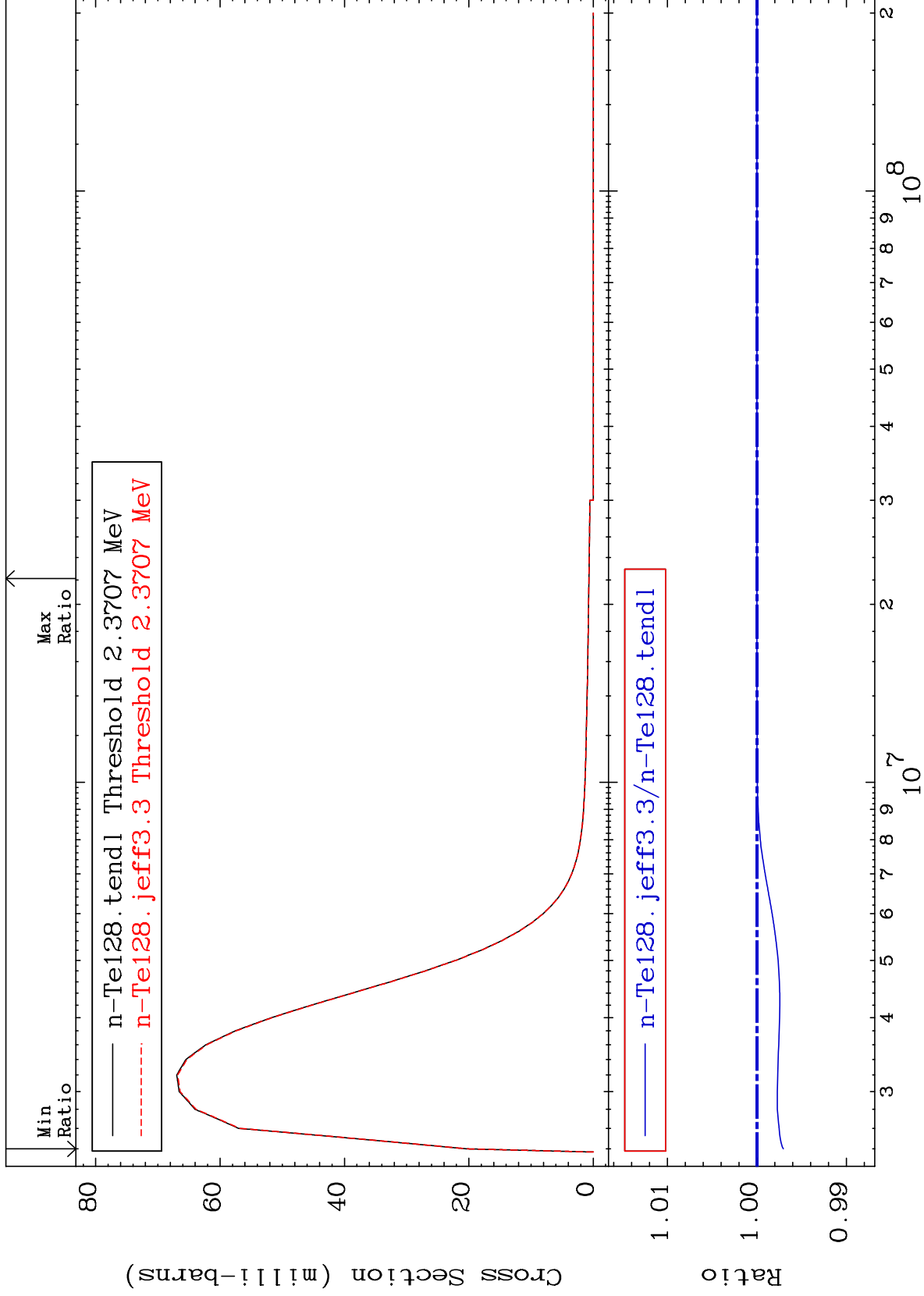
52-Te-128
-2.545 To 0.000 %



MAT 5249

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

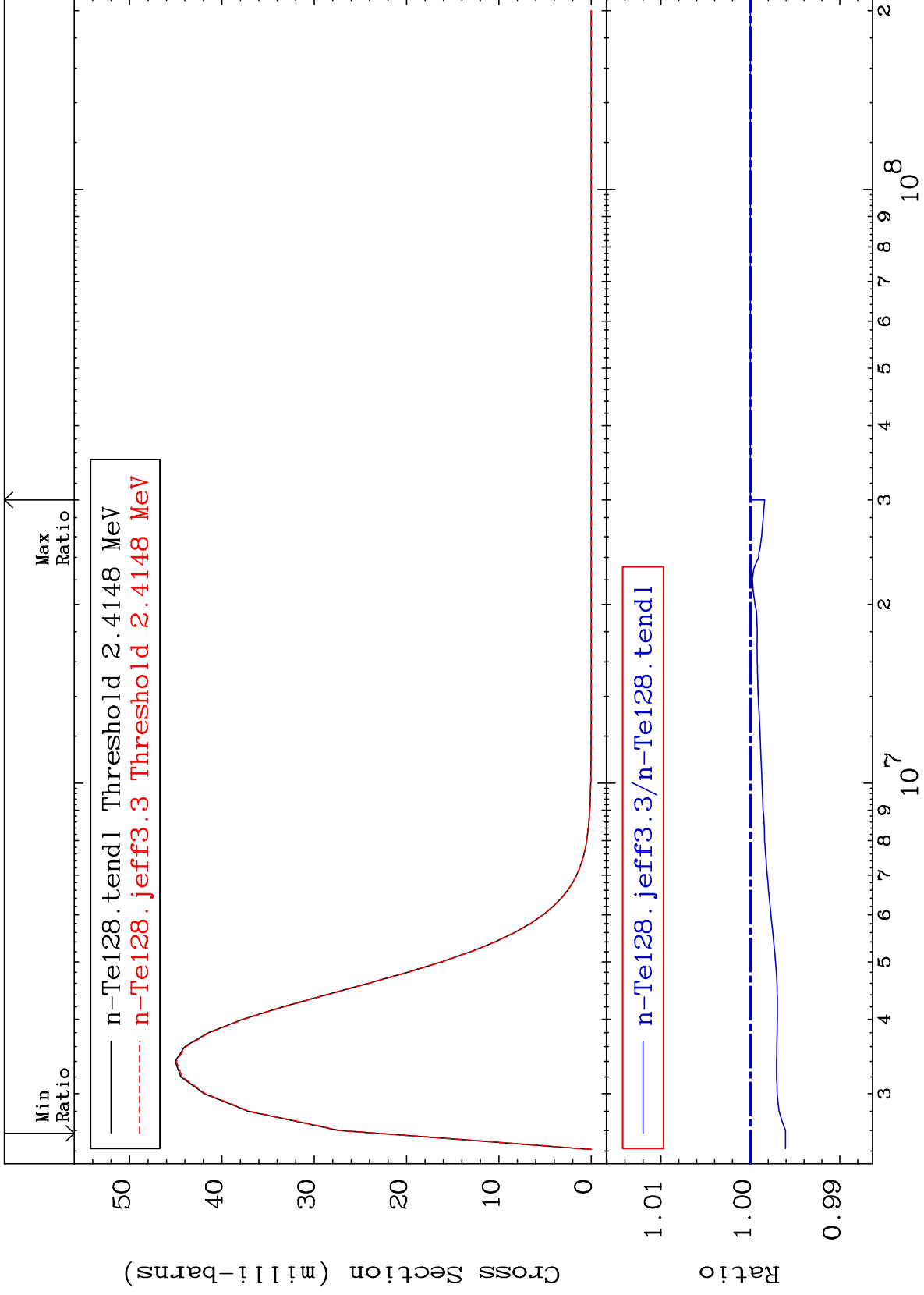
52-Te-128
-0.294 To 0.000 %



MAT 5249

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

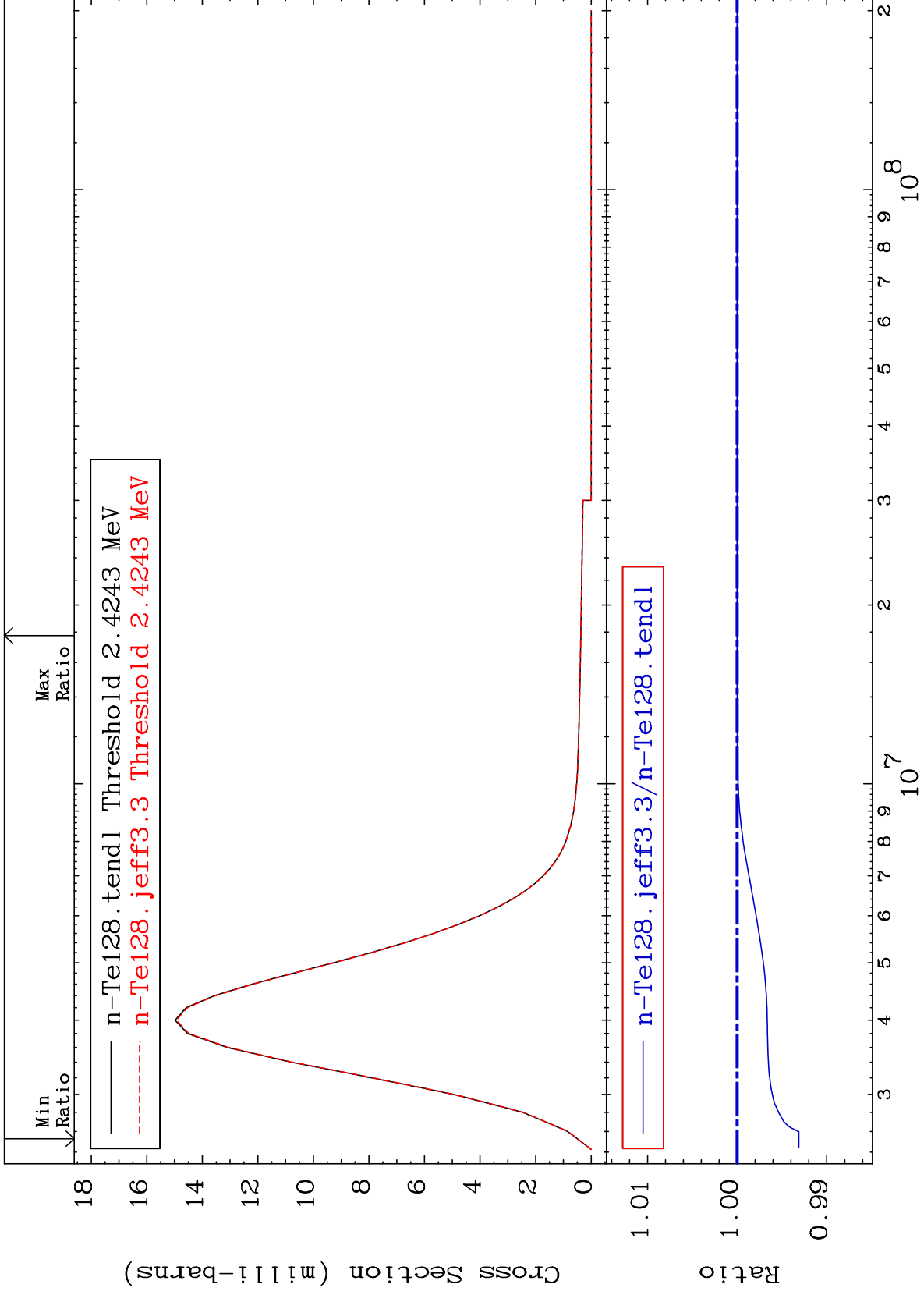
52-Te-128
-0.394 To 0.000 %



MAT 5249

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

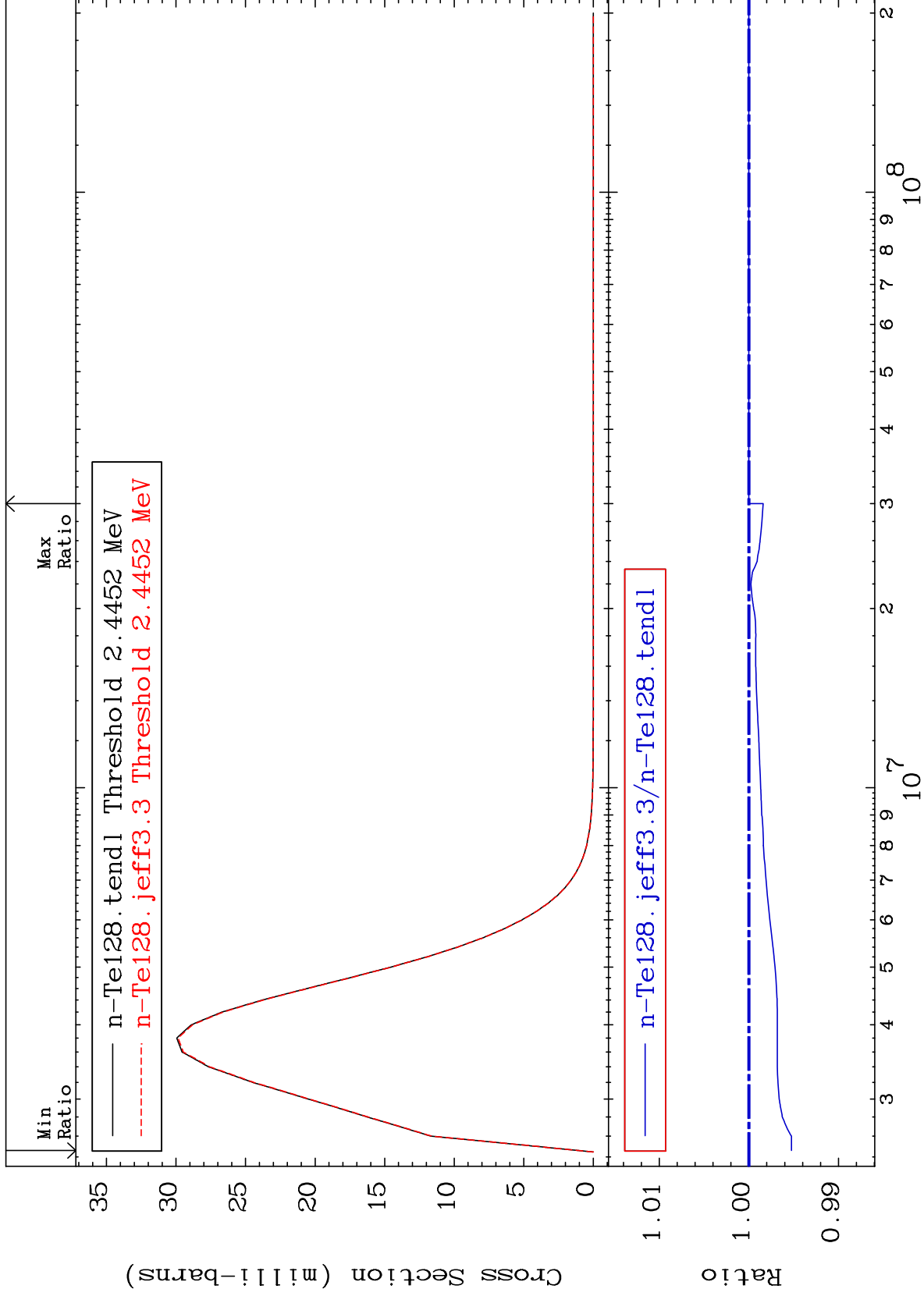
52-Te-128
-0.688 To 0.000 %



MAT 5249

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

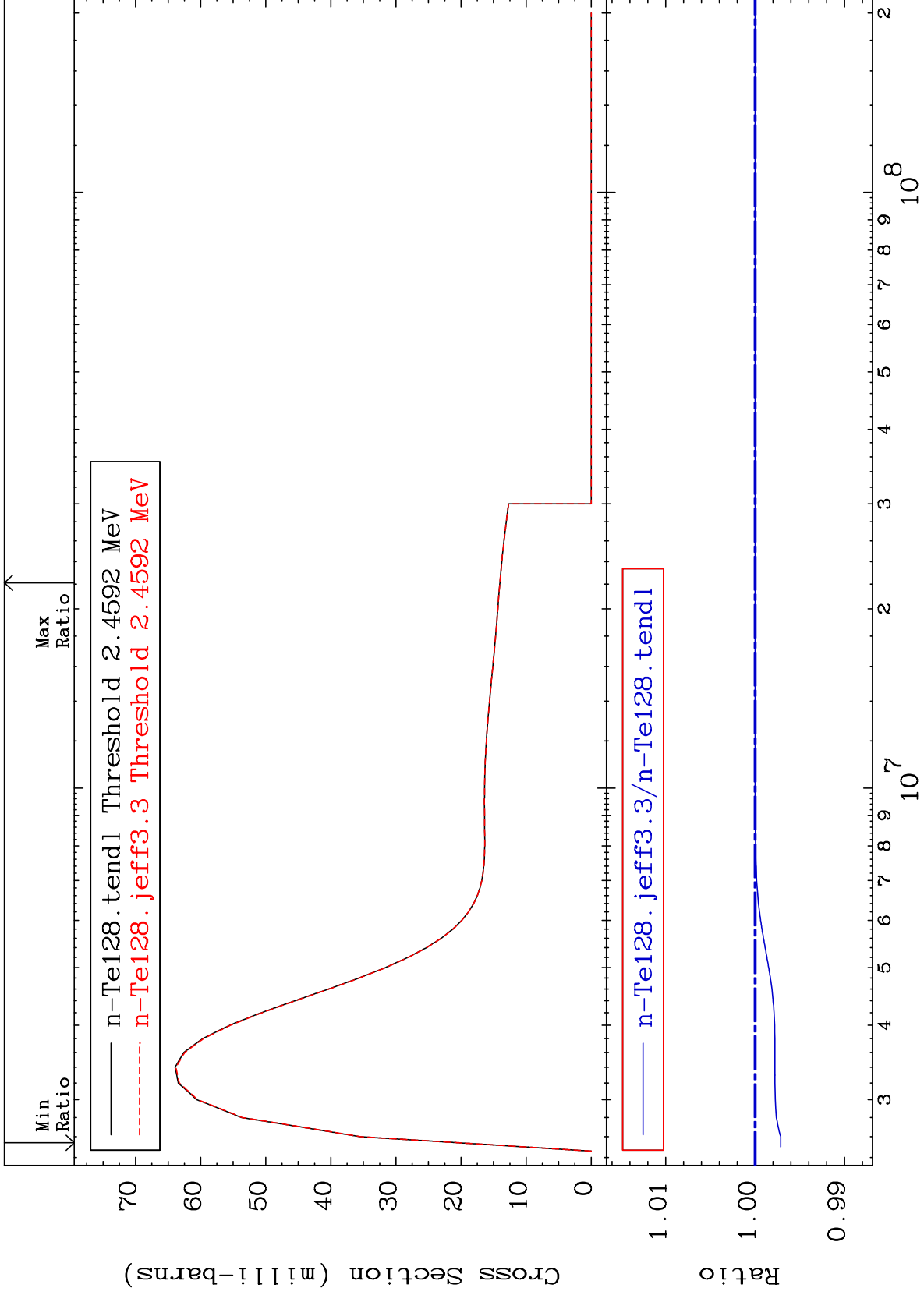
52-Te-128
-0.475 To 0.000 %



MAT 5249

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

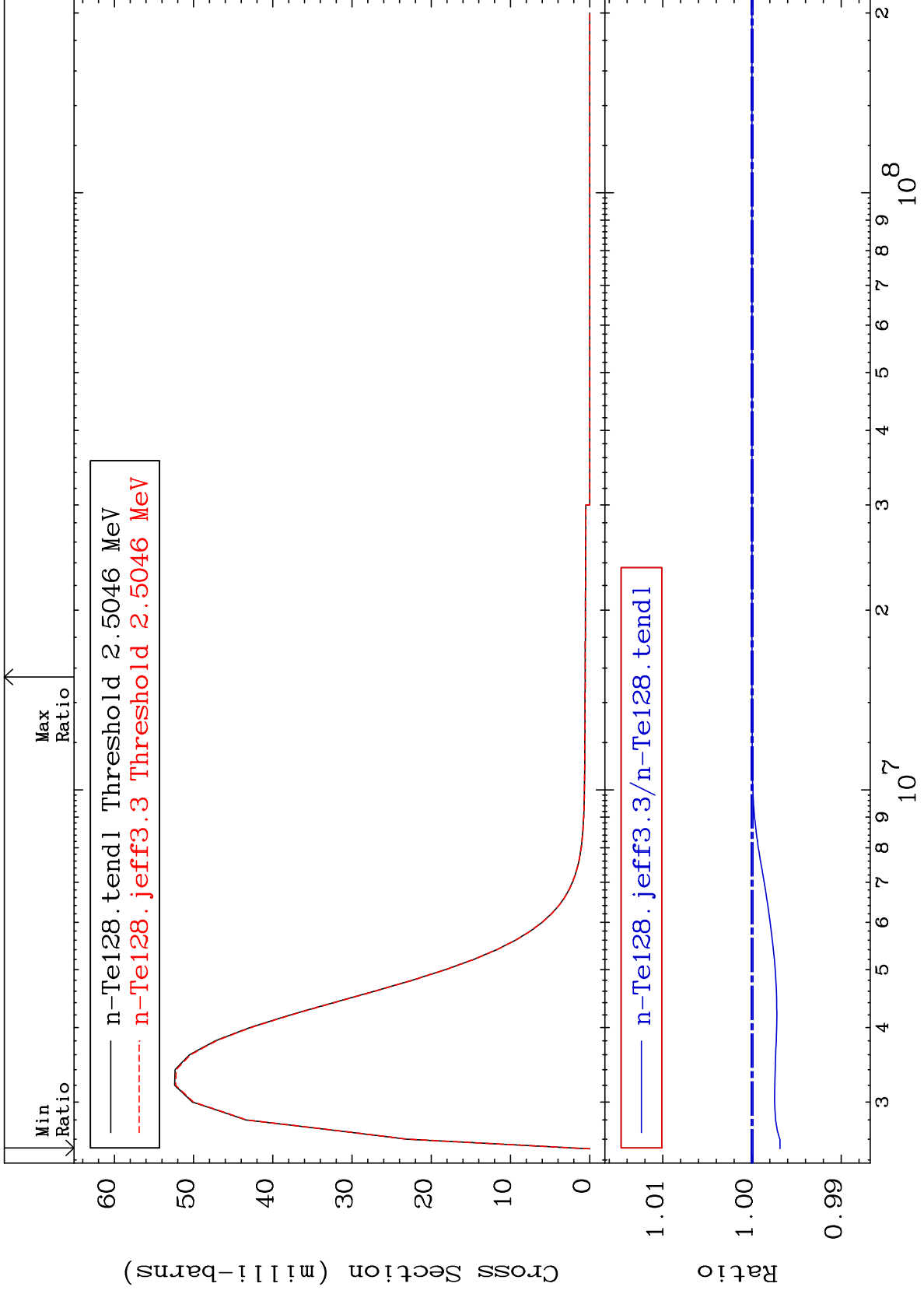
52-Te-128
-0.287 To 0.000 %



MAT 5249

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

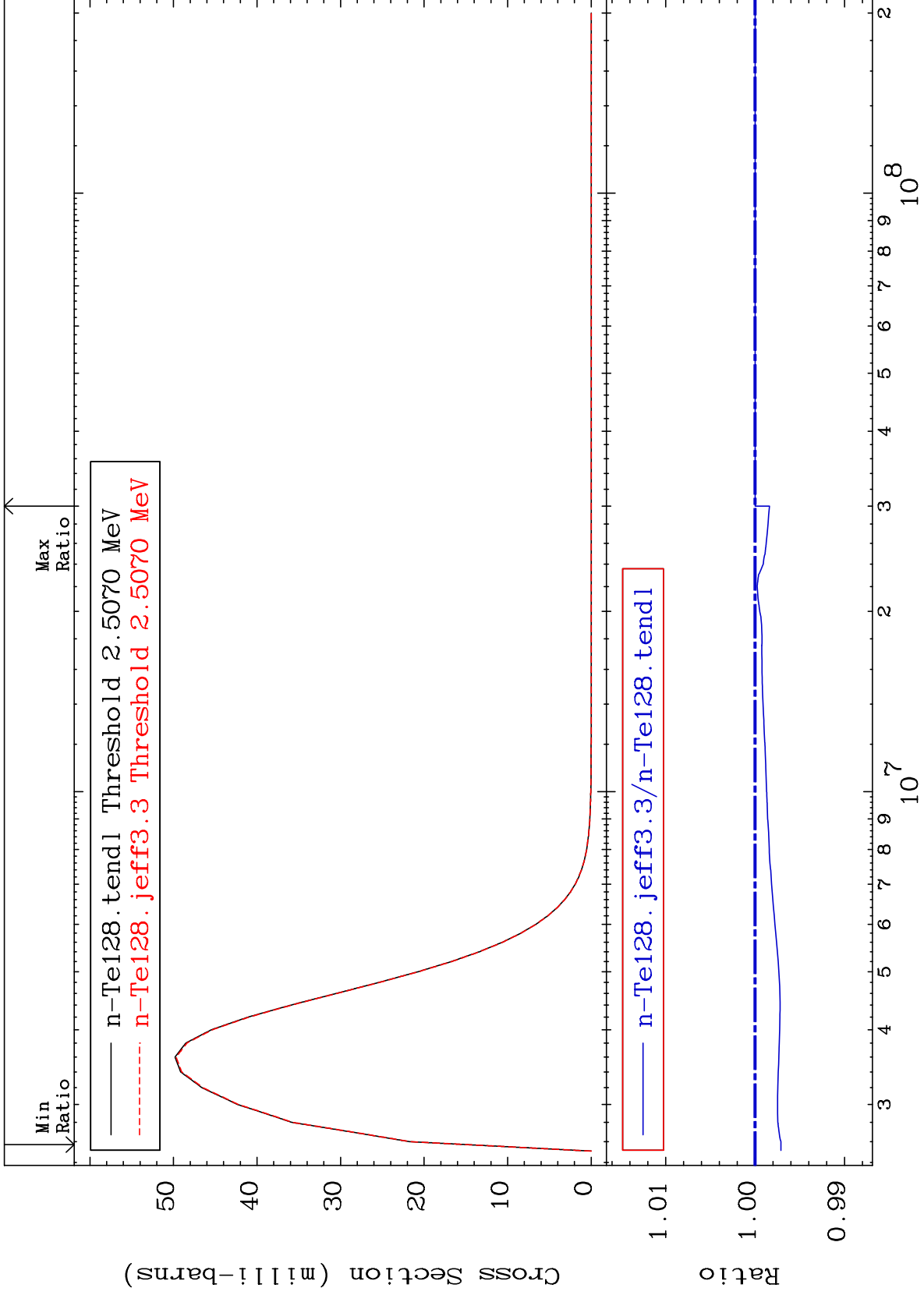
52-Te-128
-0.313 To 0.000 %



MAT 5249

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

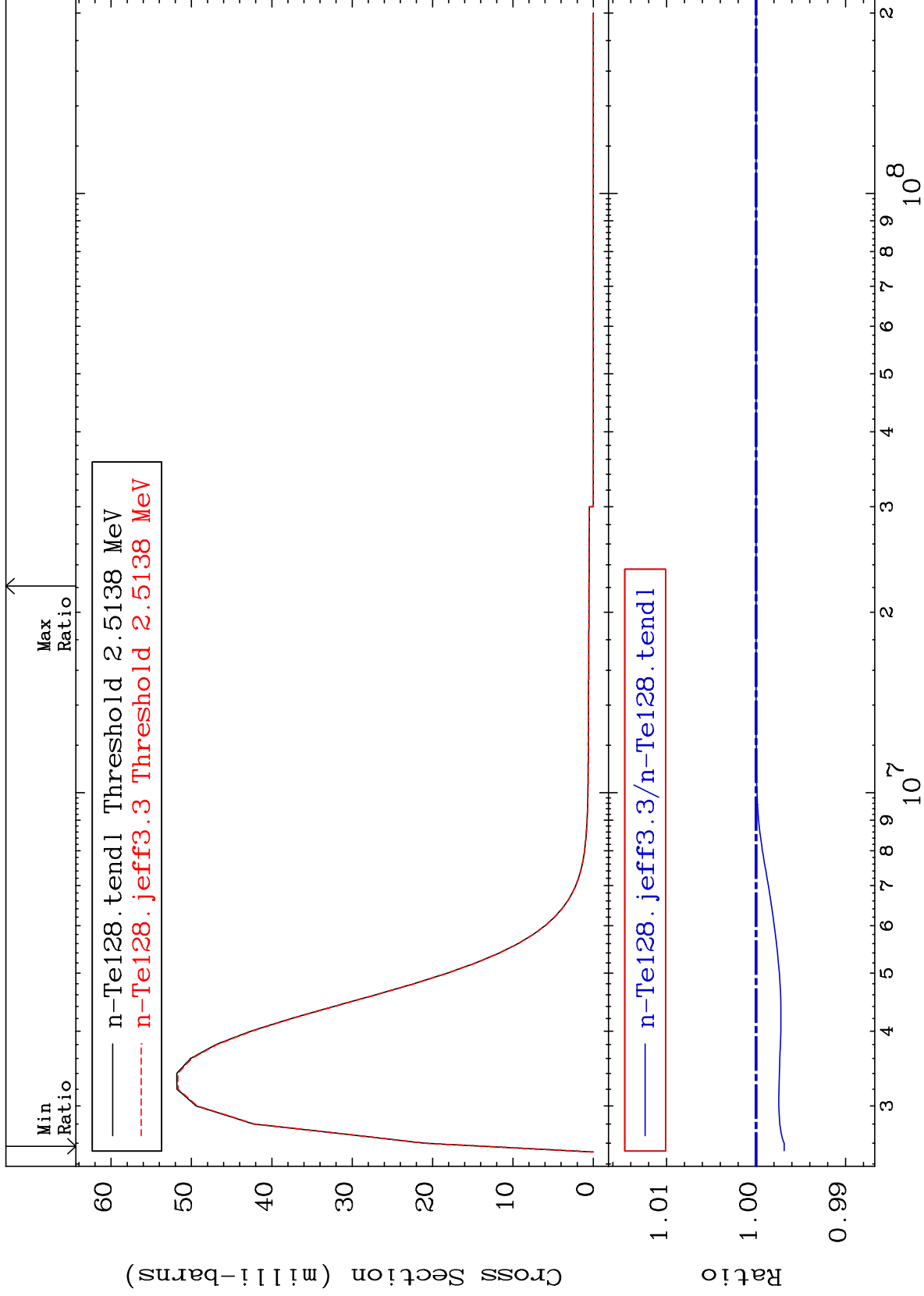
52-Te-128
-0.288 To 0.000 %



MAT 5249

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

52-Te-128
-0.314 To 0.000 %



40

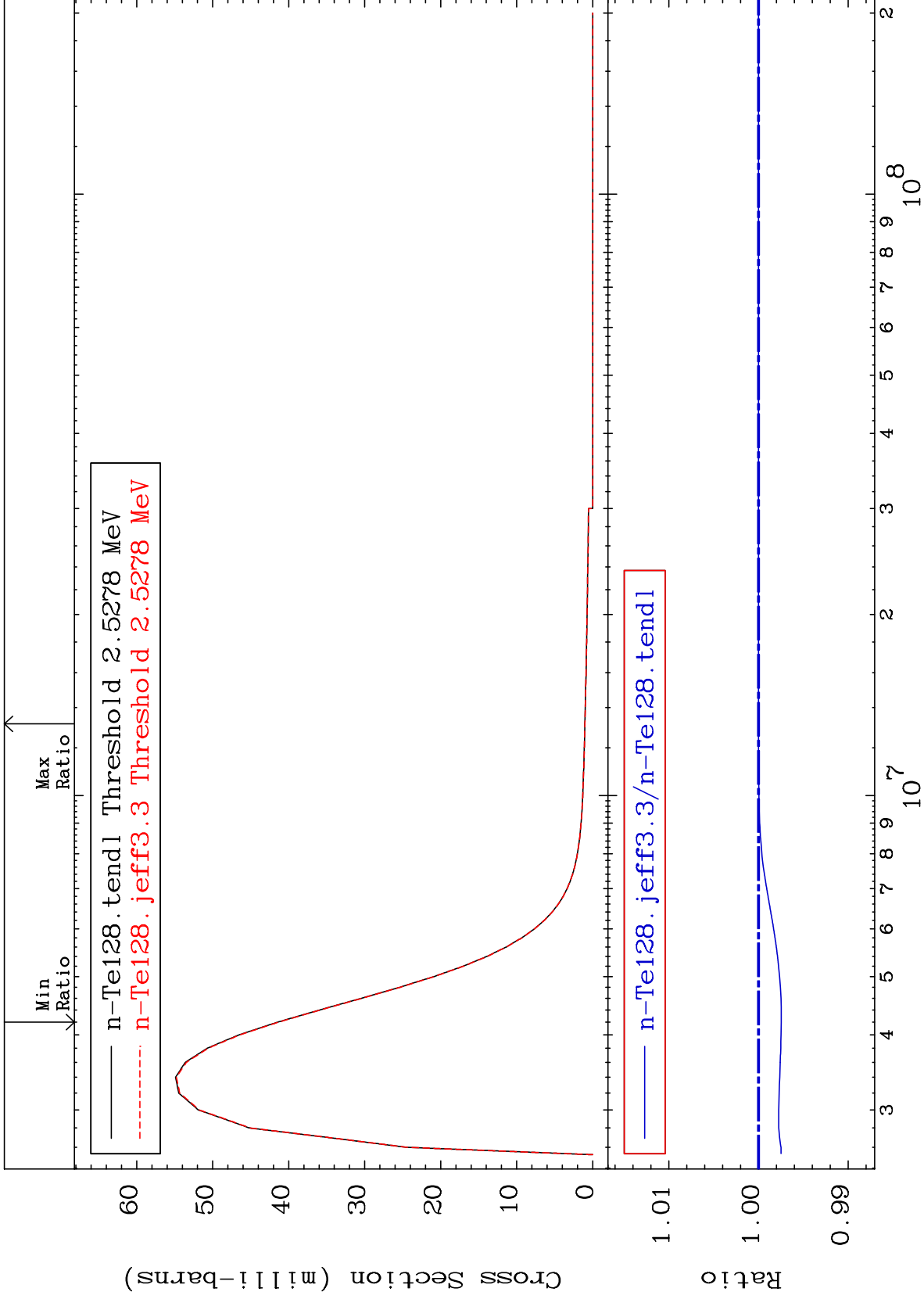
52-Te-128

52-Te-128

MAT 5249

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

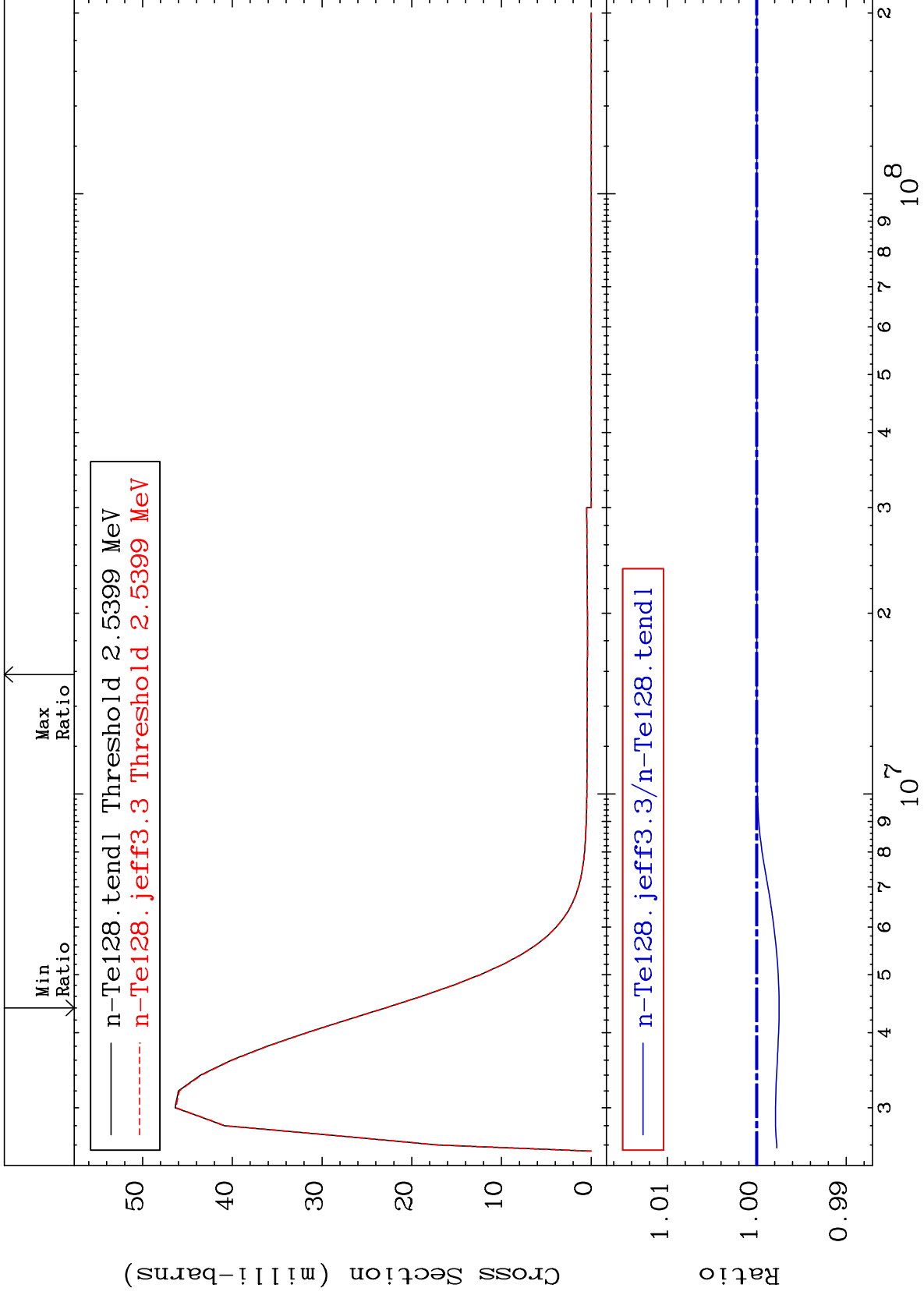
52-Te-128
-0.254 To 0.000 %



MAT 5249

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

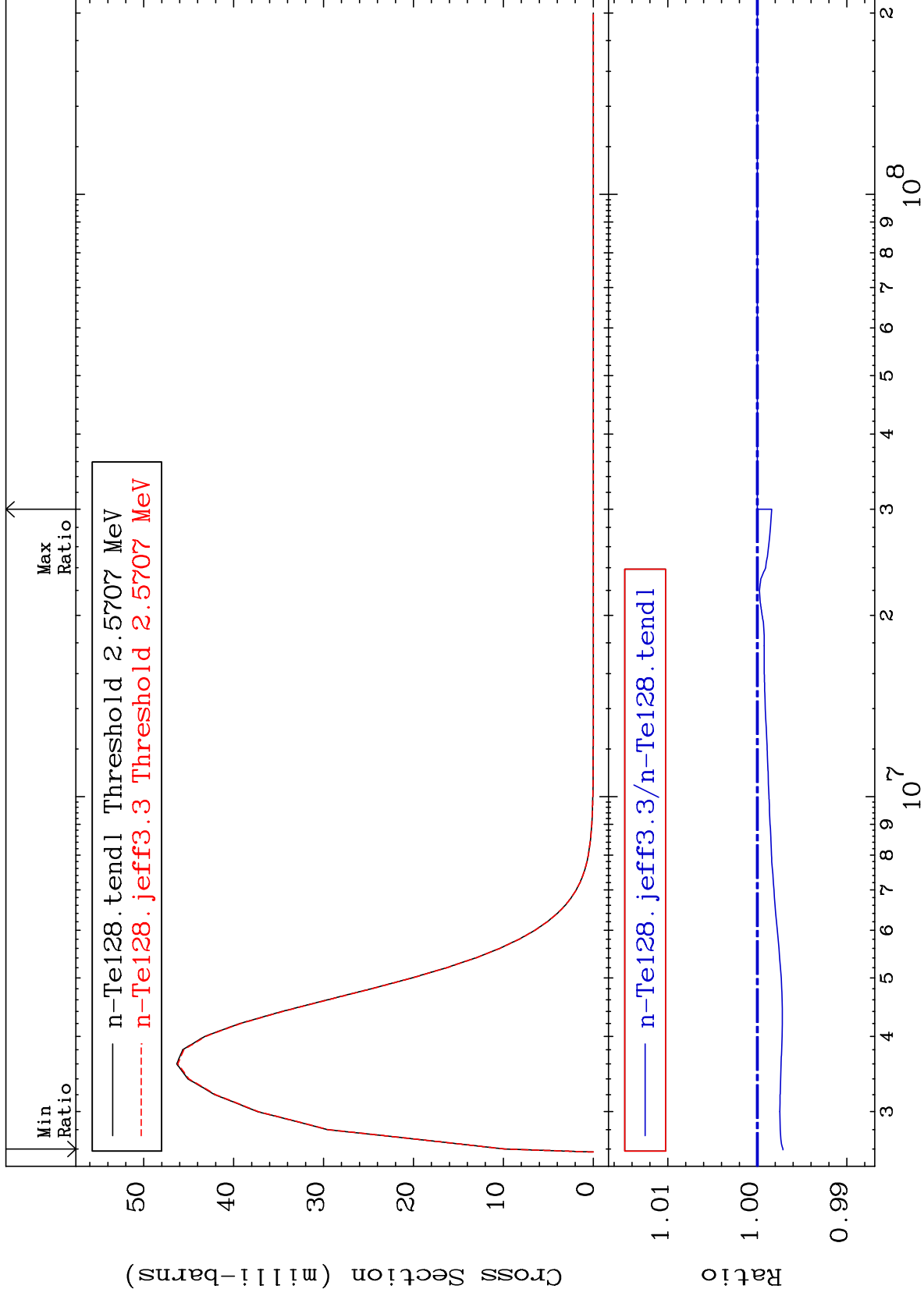
52-Te-128
-0.250 To 0.000 %



MAT 5249

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

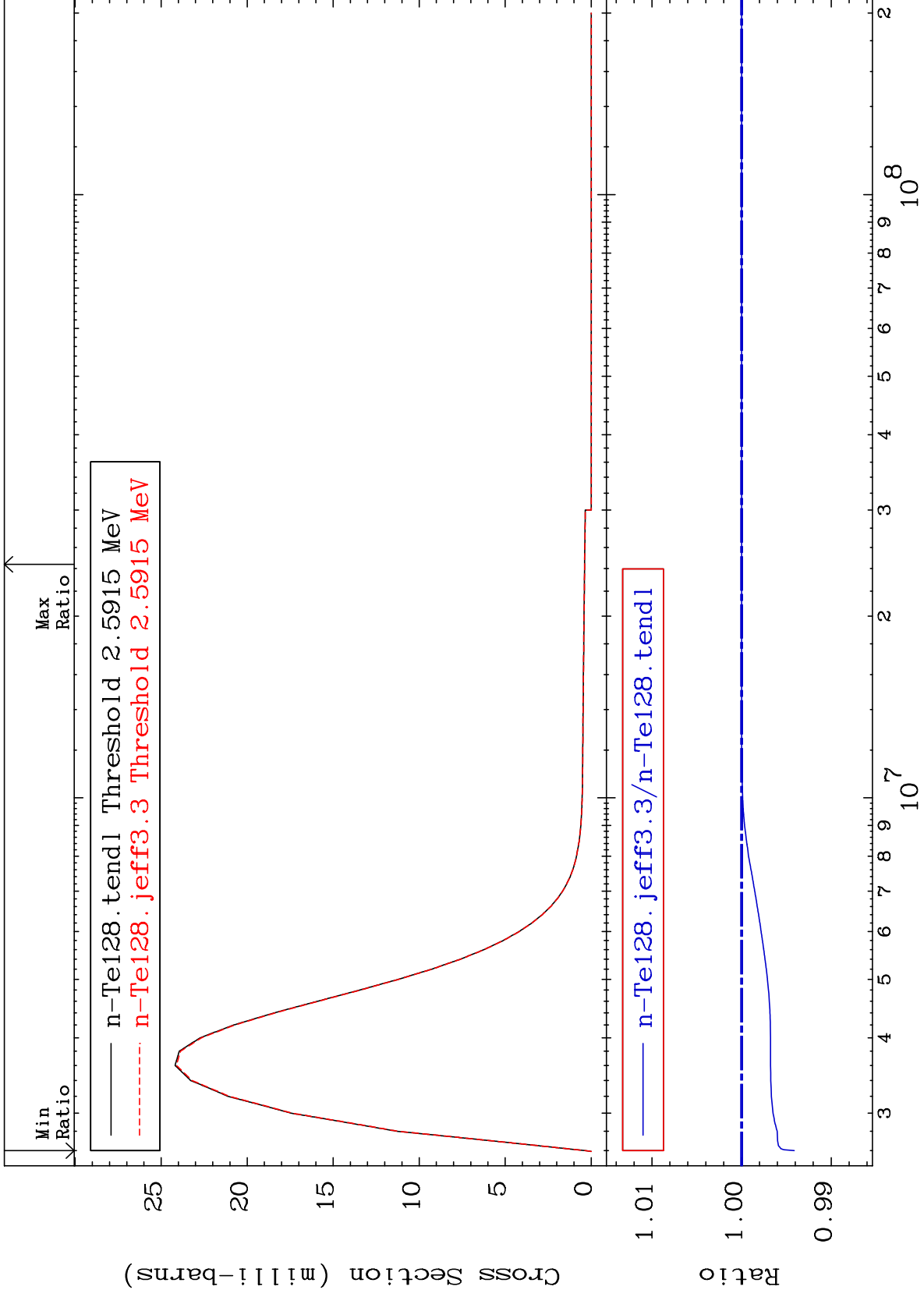
52-Te-128
-0.286 To 0.000 %



MAT 5249

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

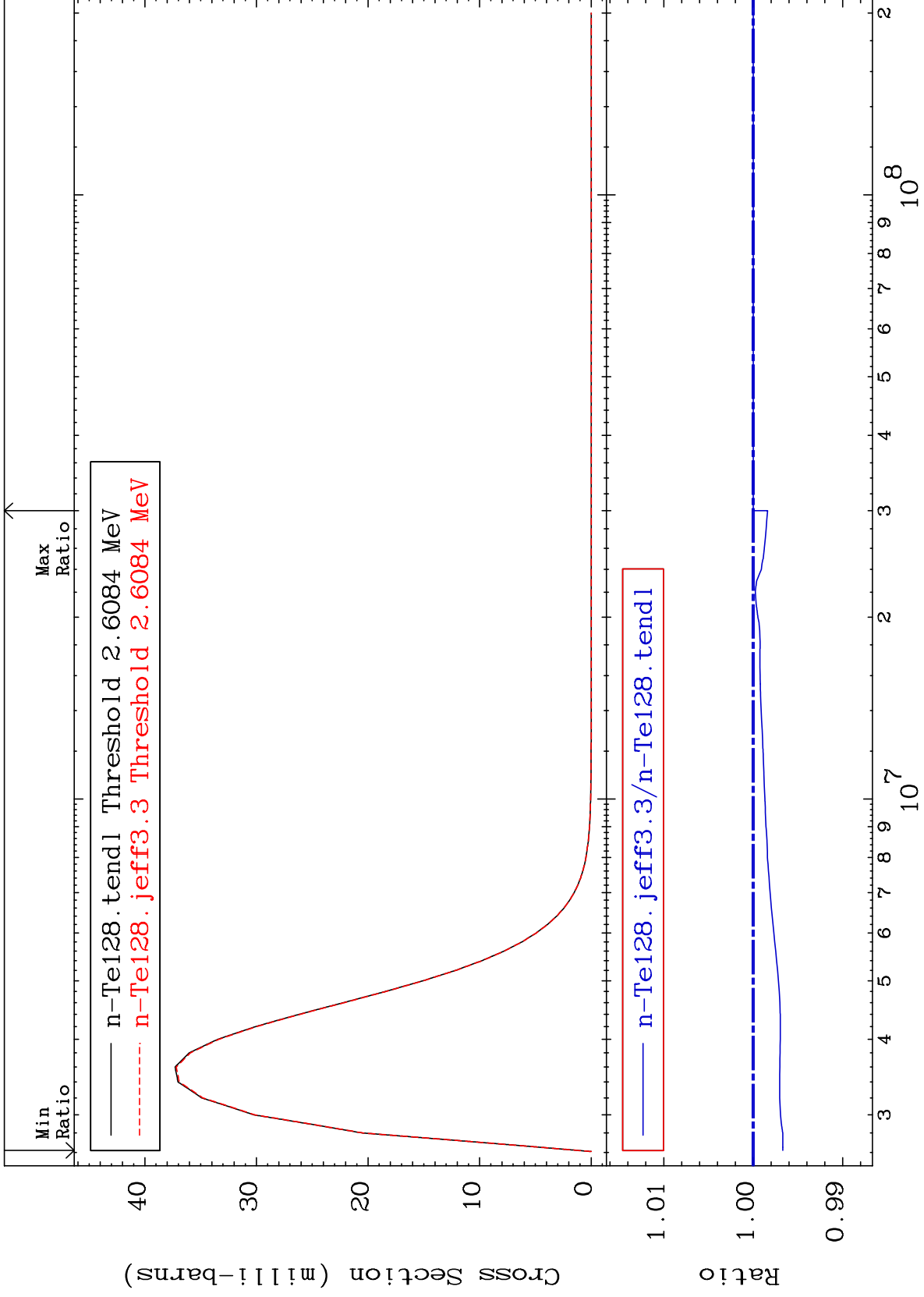
52-Te-128
-0.589 To 0.000 %



MAT 5249

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

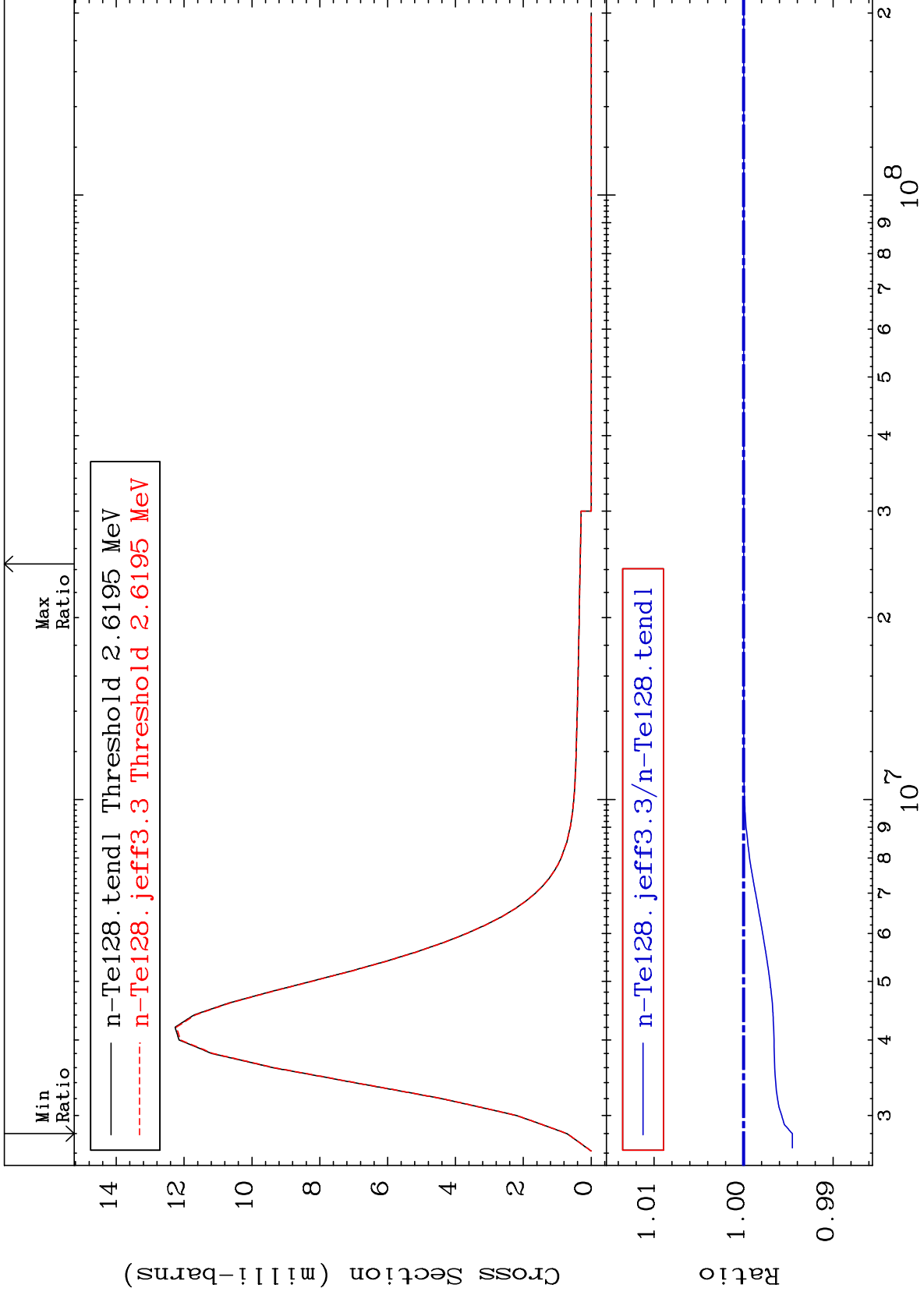
52-Te-128
-0.330 To 0.000 %



MAT 5249

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

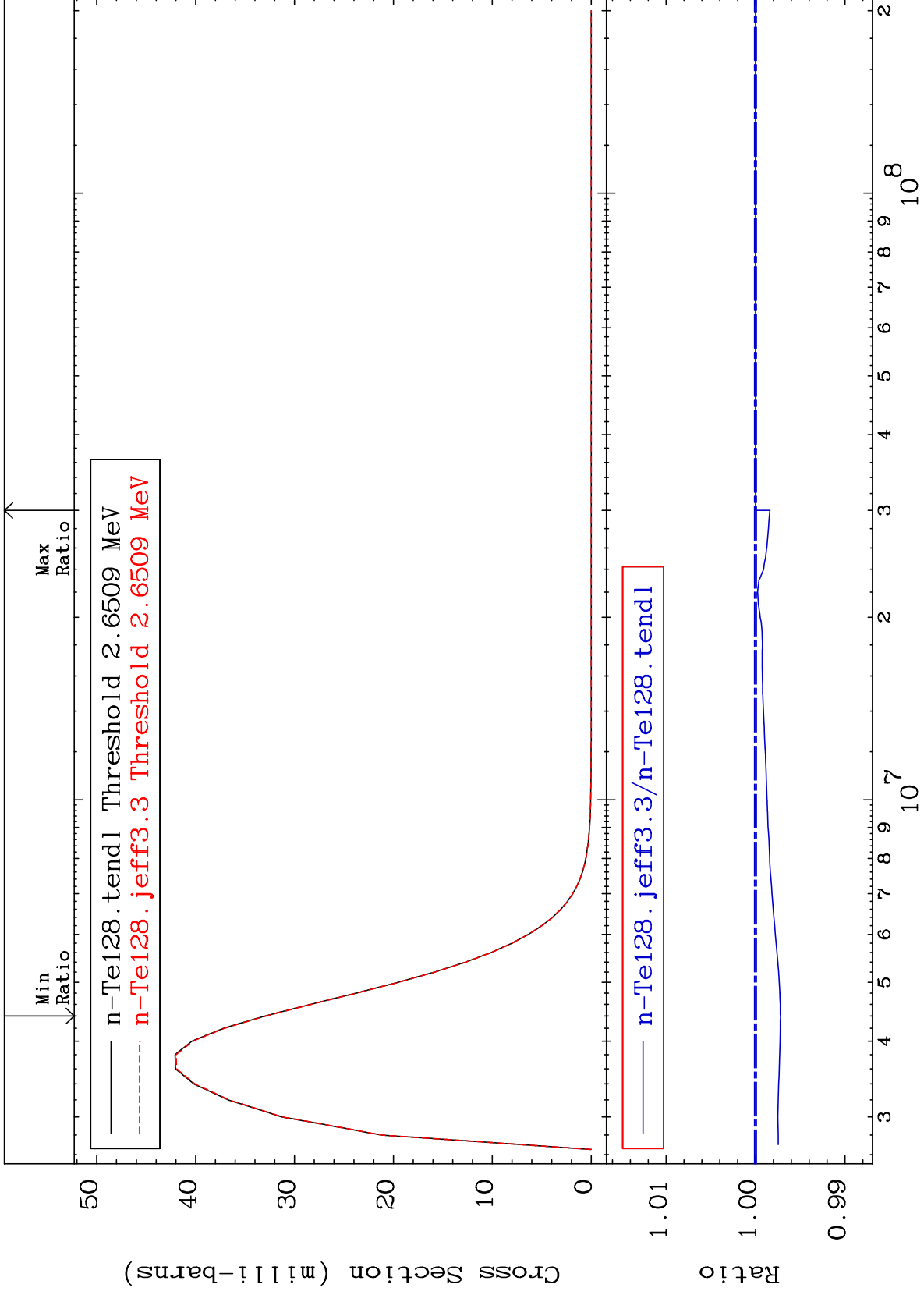
52-Te-128
-0.544 To 0.000 %



MAT 5249

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

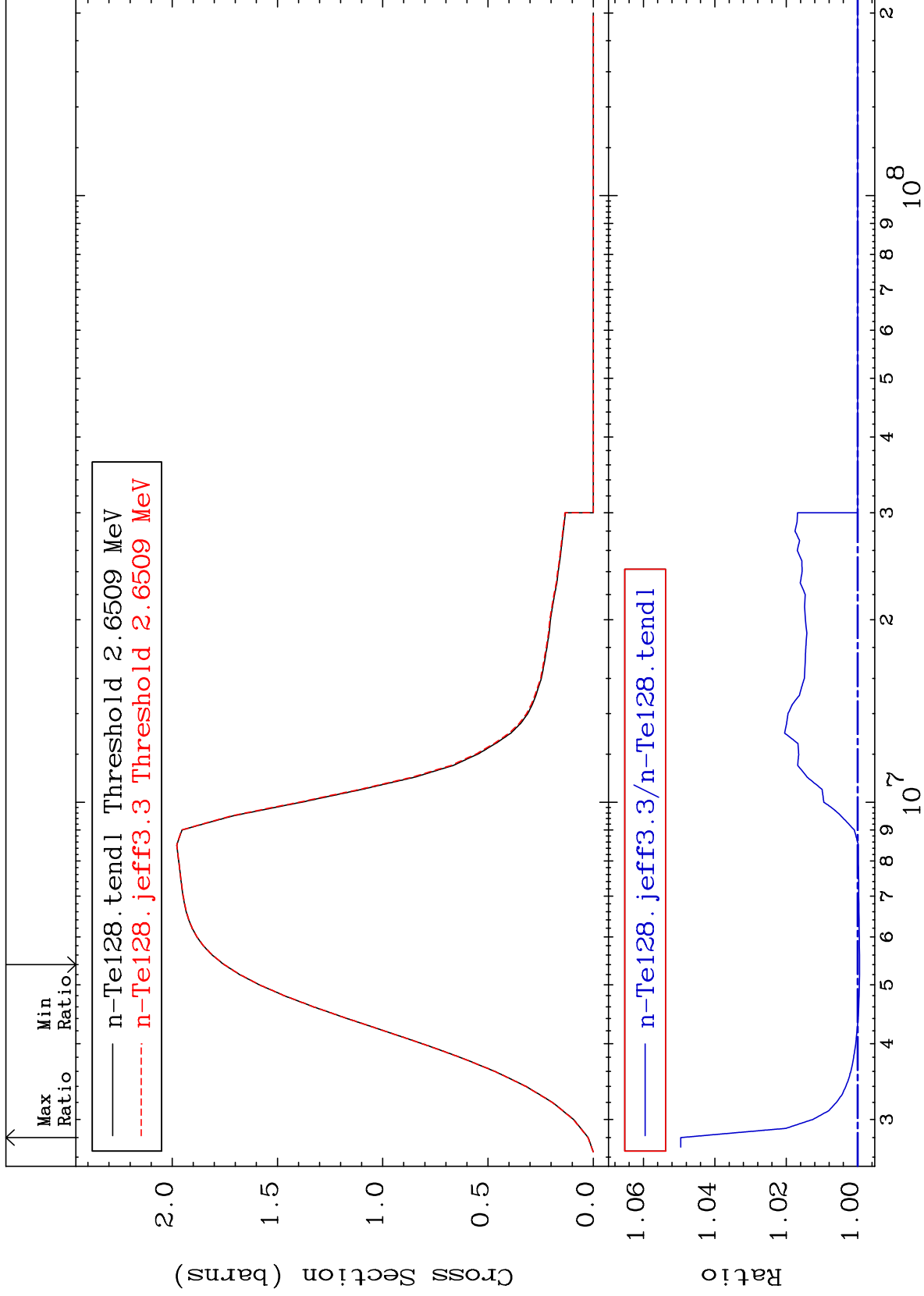
52-Te-128
-0.279 To 0.000 %



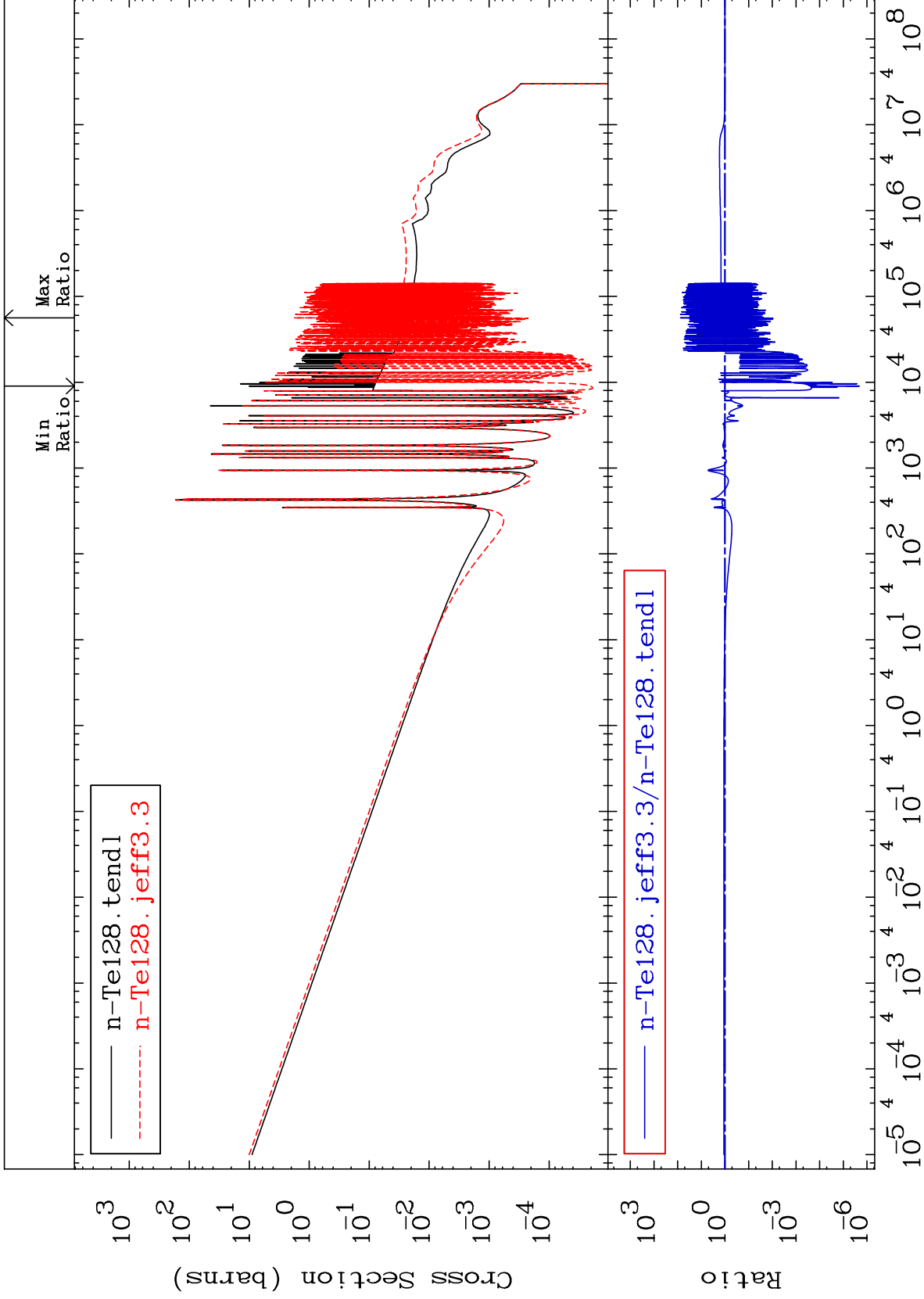
MAT 5249

(n,n') Continuum
Cross Section

52-Te-128
-0.053 To 4.954 %



Cross Section



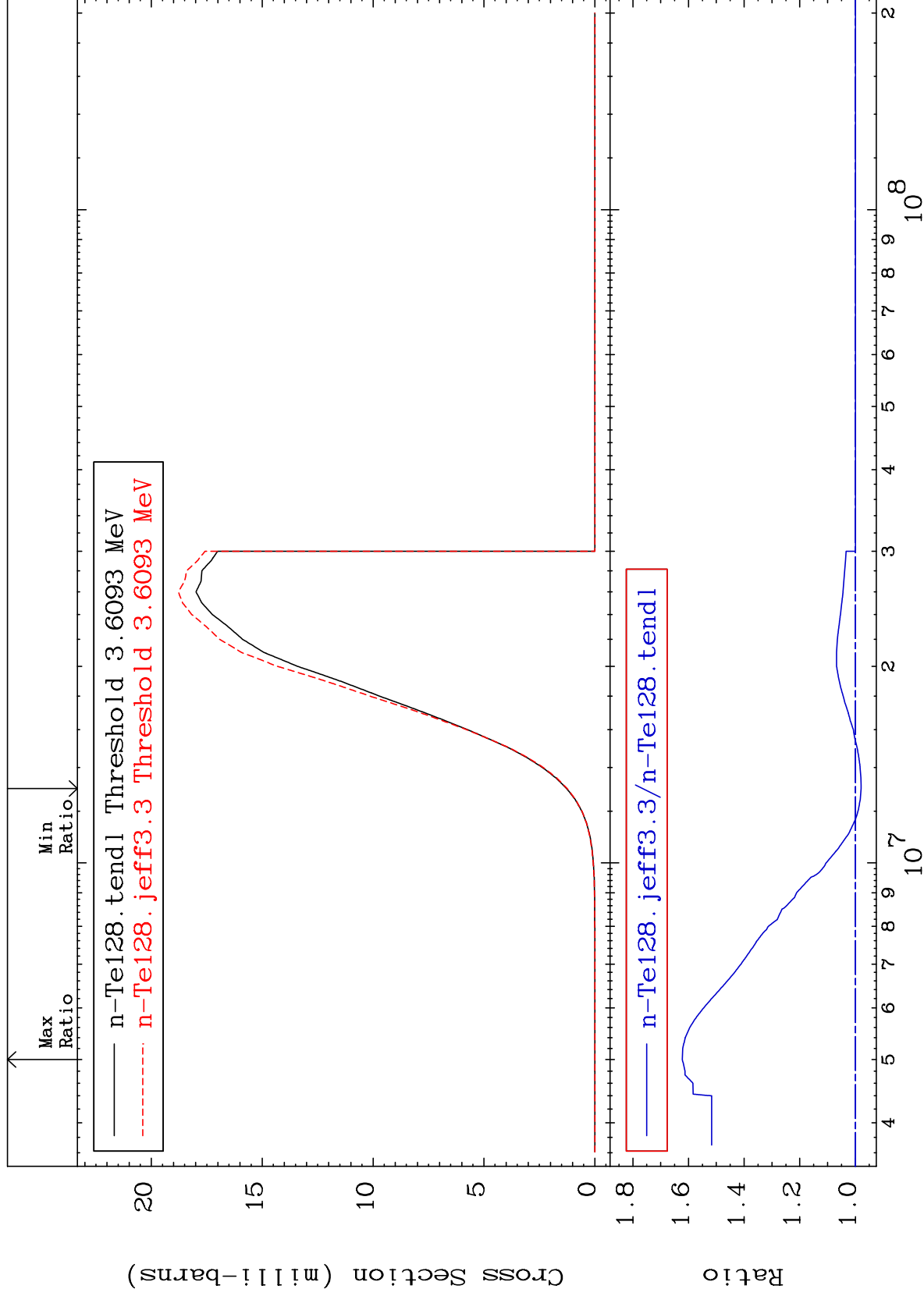
MAT 5249

(n, p)

52-Te-128

Cross Section

-2.048 To 62.22 %



50

Incident Energy (eV)

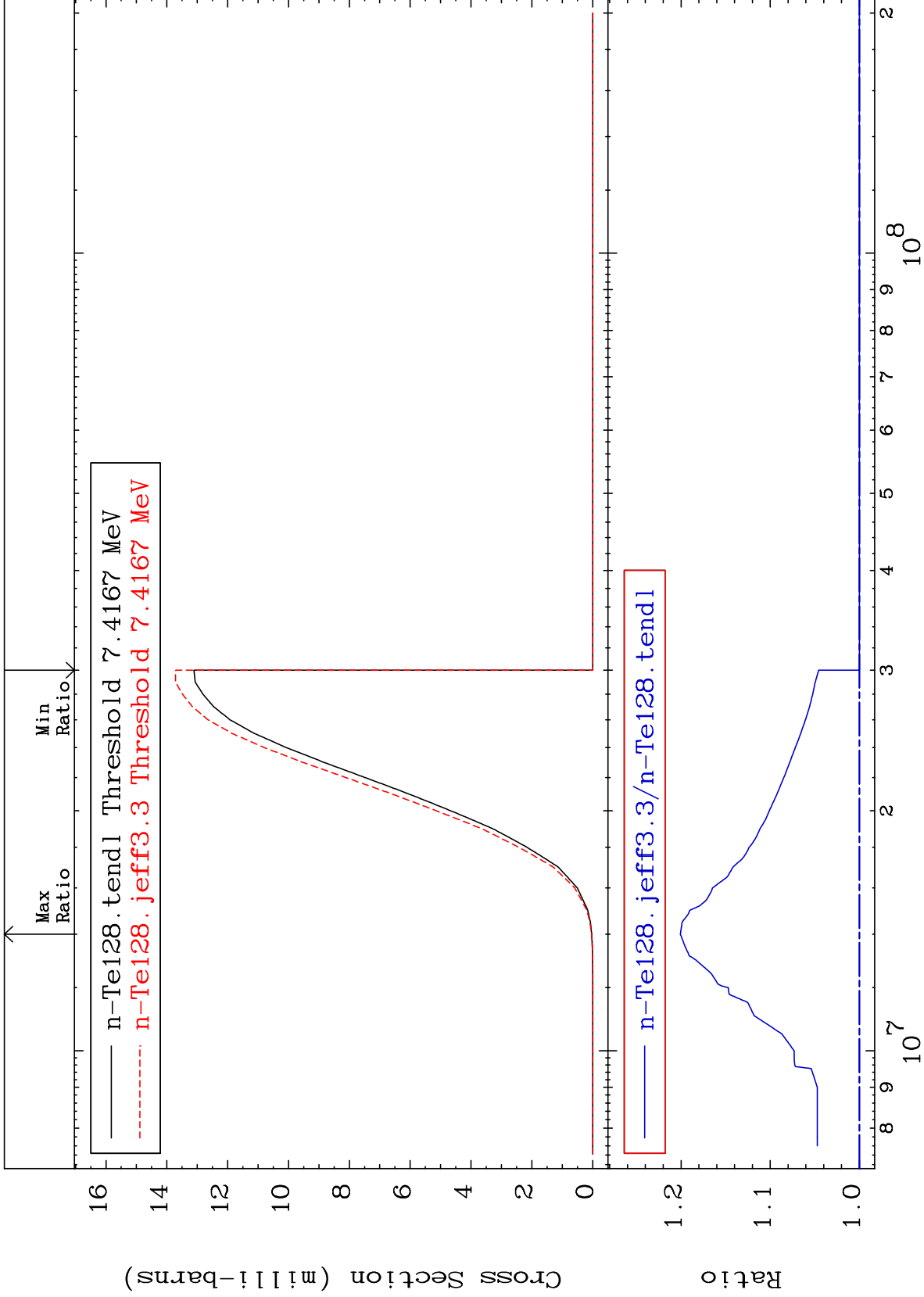
52-Te-128

MAT 5249

(n, d)

52-Te-128
To 20.08 %

Cross Section



51

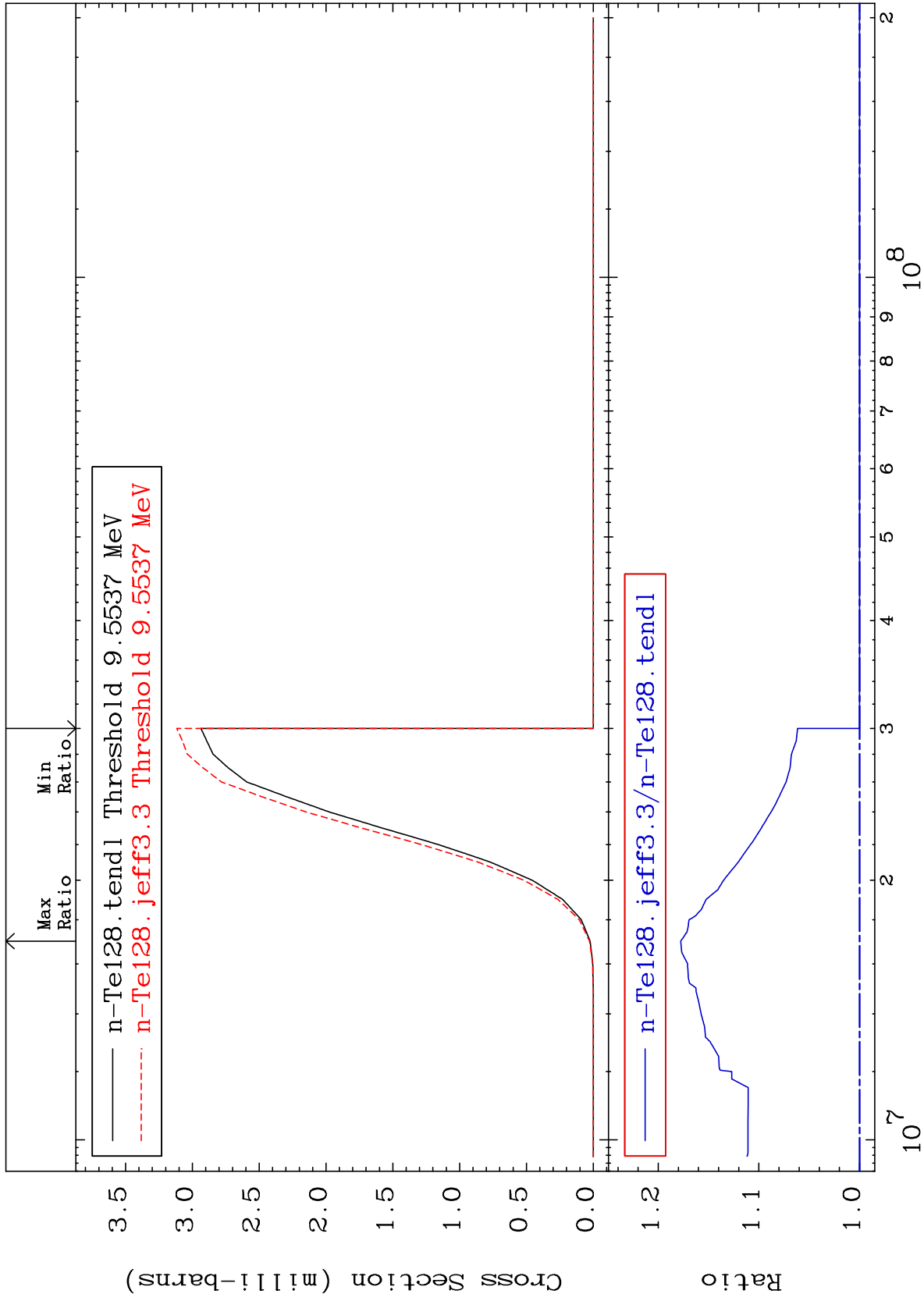
Incident Energy (eV)

52-Te-128

MAT 5249

(n, t)
Cross Section

52-Te-128
To 17.76 %



52

Incident Energy (eV)

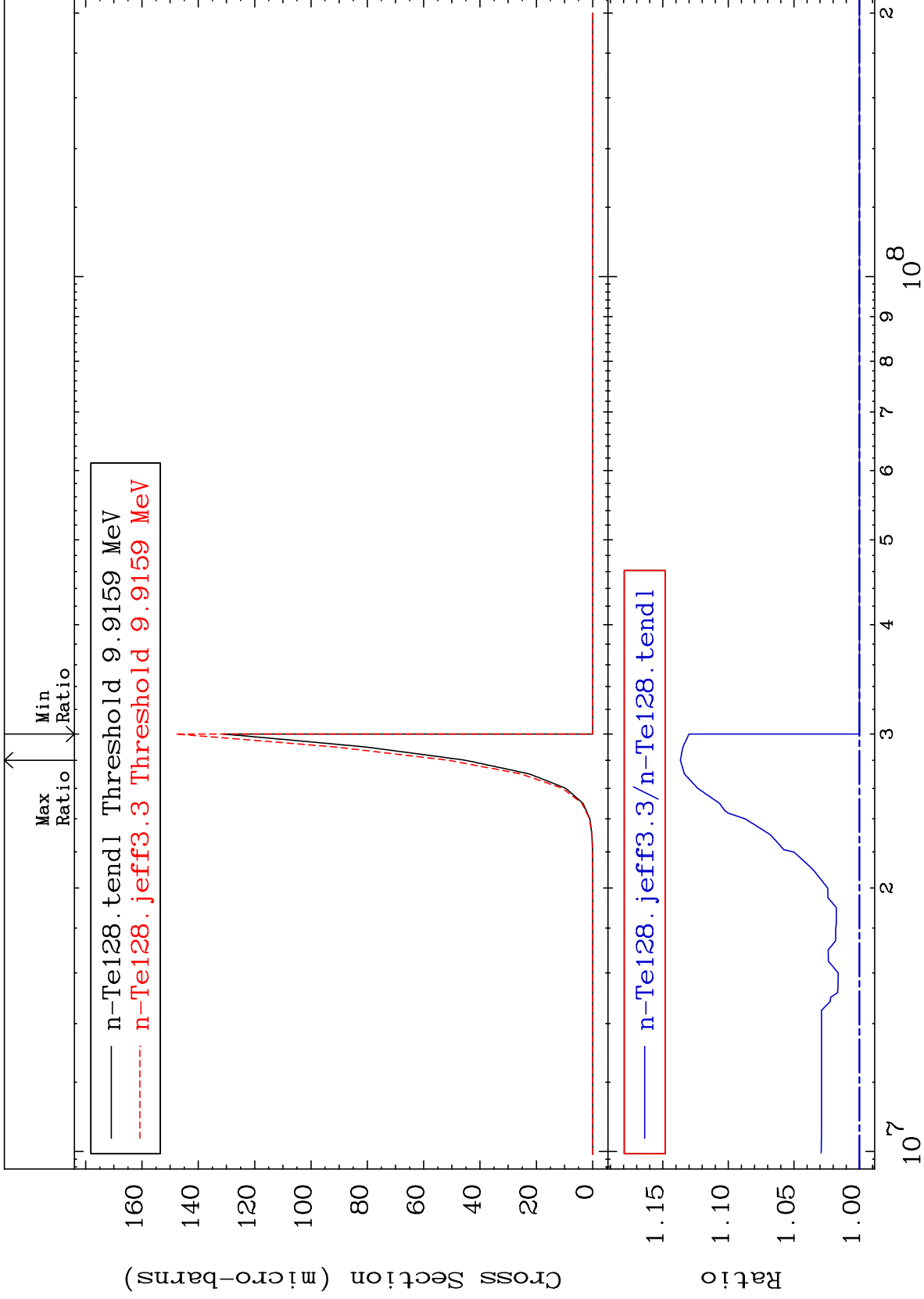
52-Te-128

MAT 5249

(n, He-3)

52-Te-128
0.000 To 13.66 %

Cross Section



53

Incident Energy (eV)

52-Te-128

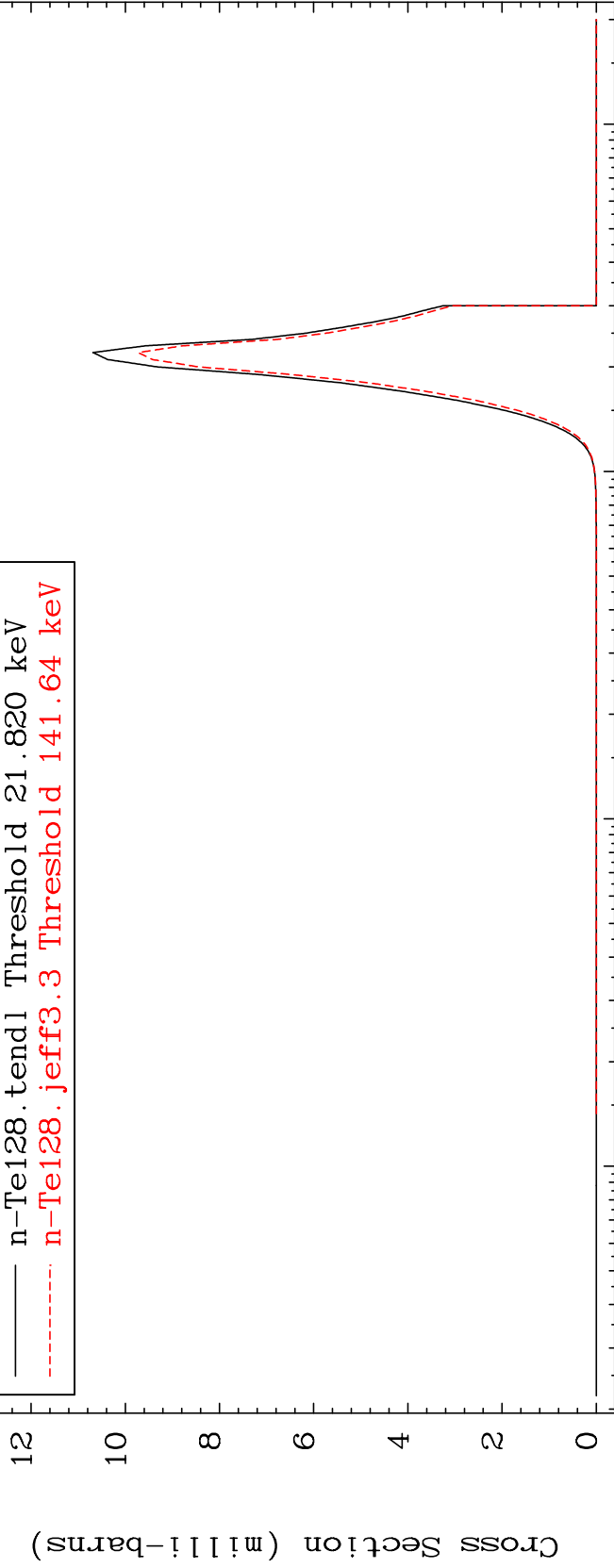
-14.88 To 9999. %

Cross Section

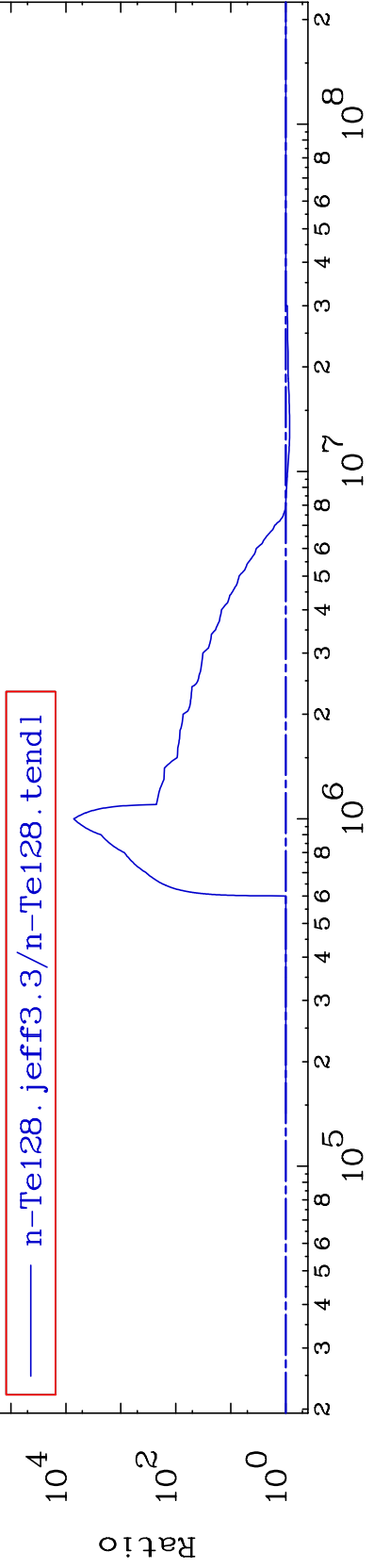
Max Ratio

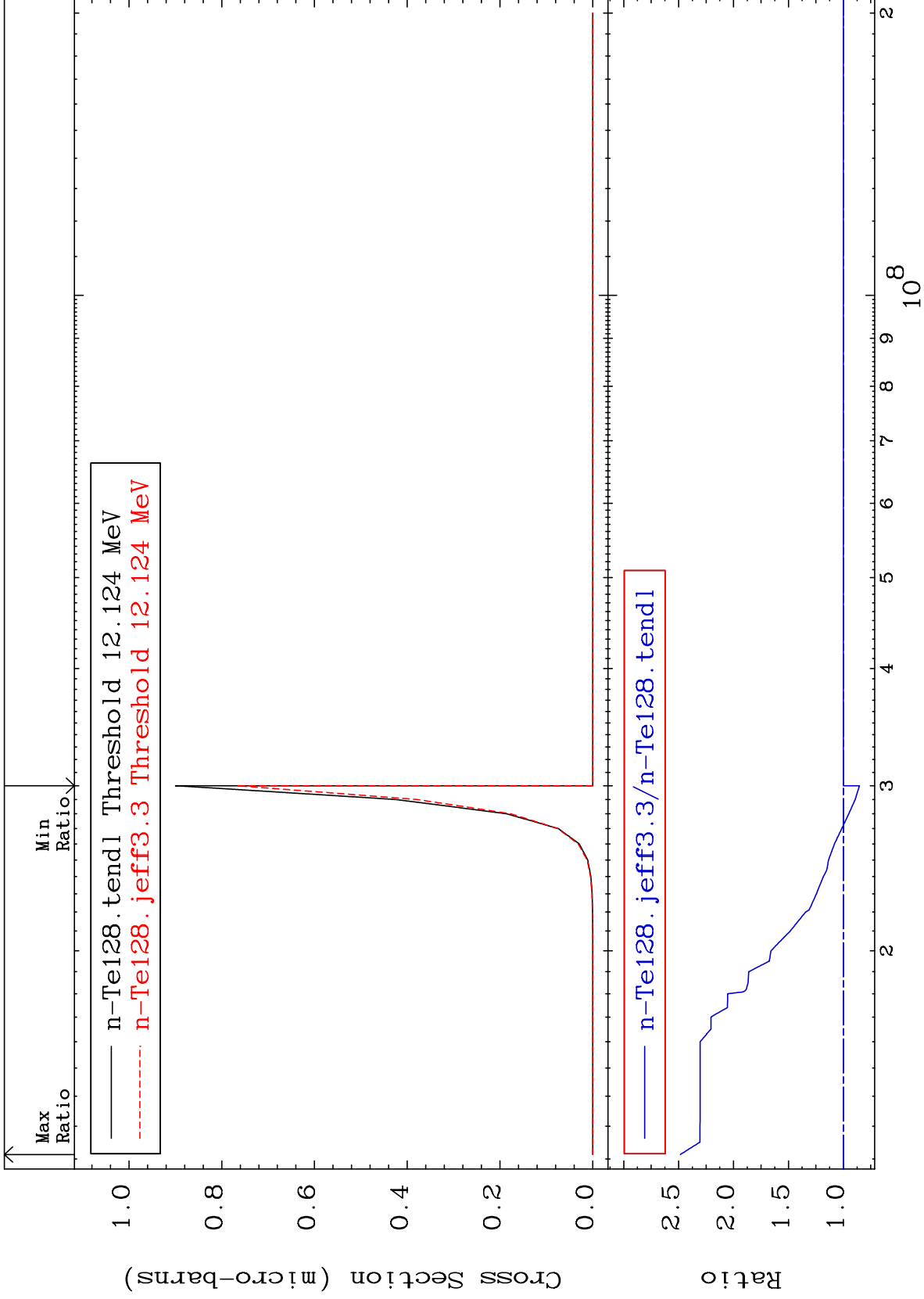
Min Ratio

— n-Te128.tendl Threshold 21.820 keV
- - - n-Te128.jeff3.3 Threshold 141.64 keV



— n-Te128.jeff3.3/n-Te128.tendl





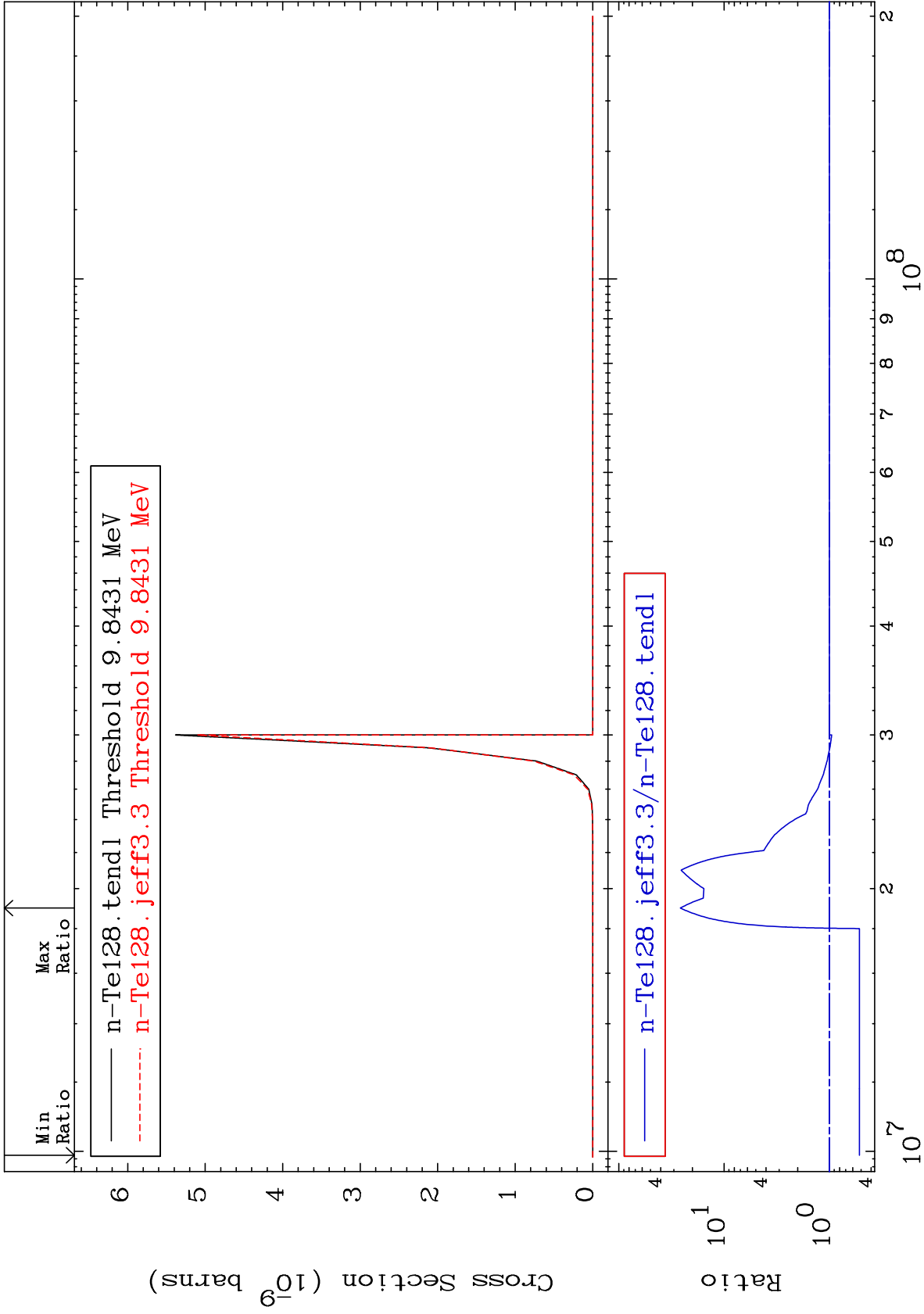
MAT 5249

(n, p) α

52-Te-128

Cross Section

-48.25 To 2505. %



56

Incident Energy (eV)

52-Te-128

MAT 5249

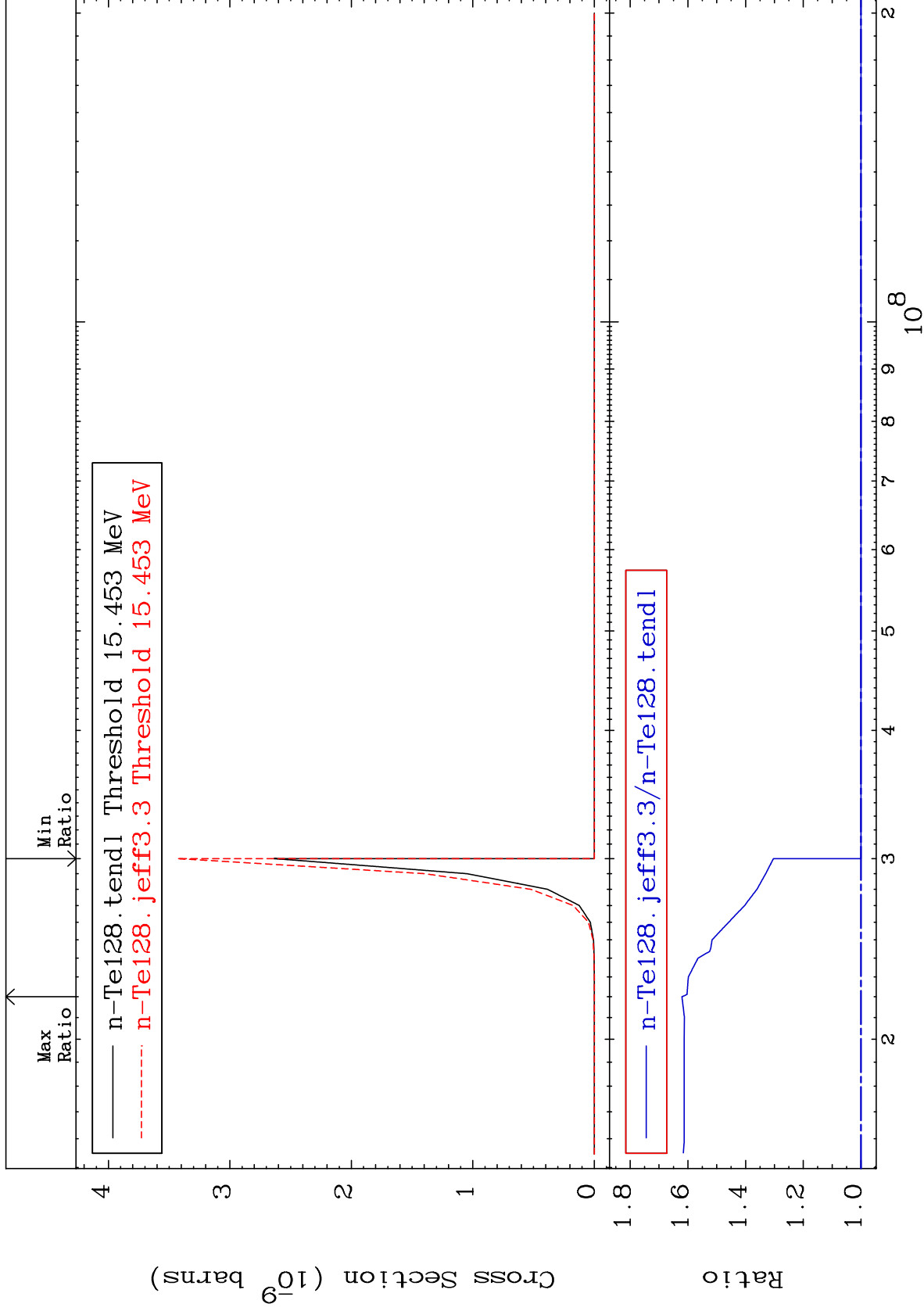
(n,p) d

52-Te-128

Cross Section

0.000

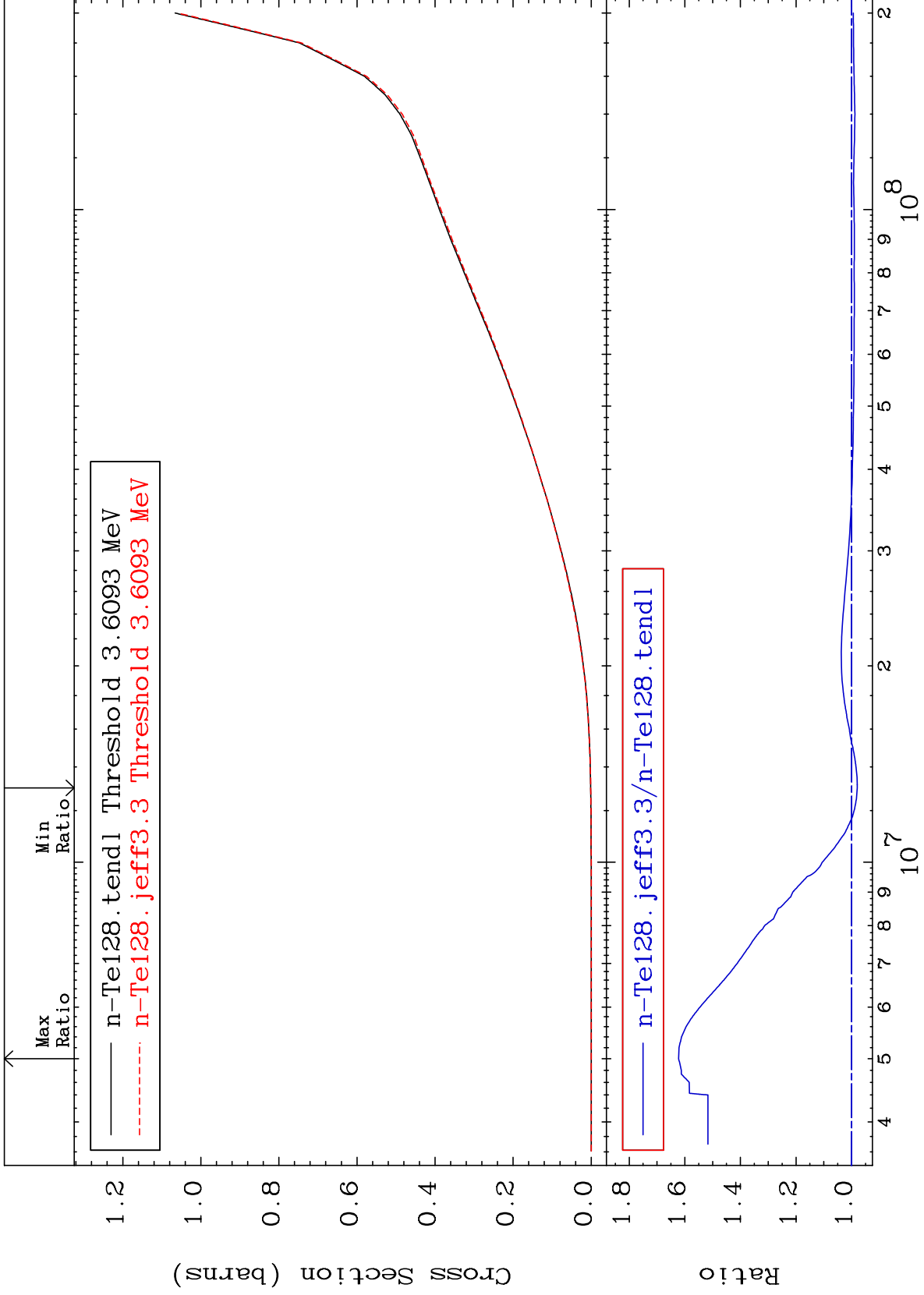
To 62.06 %



MAT 5249

Hydrogen Production
Cross Section

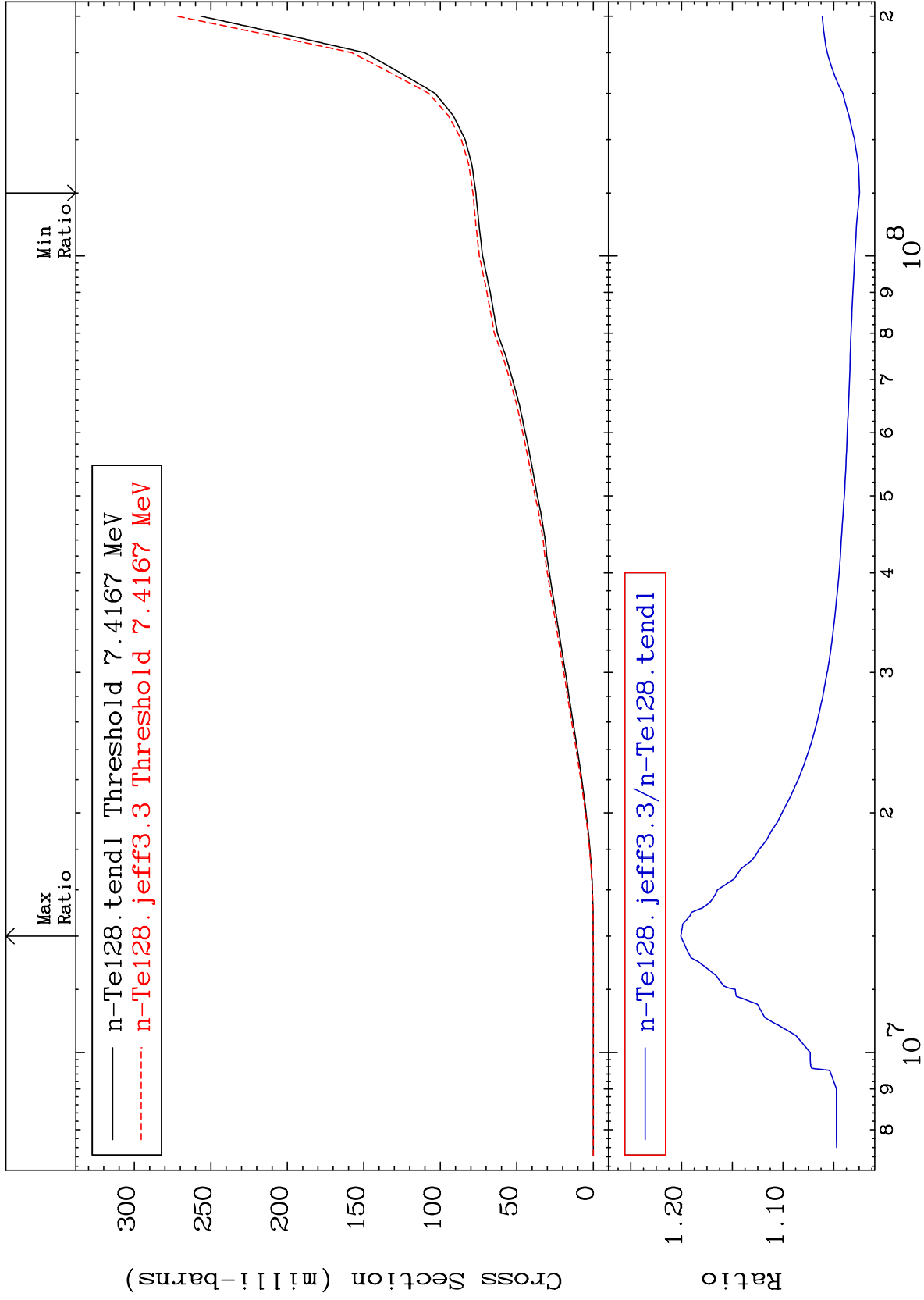
52-Te-128
-2.033 To 62.22 %



MAT 5249

Deuterium Production
Cross Section

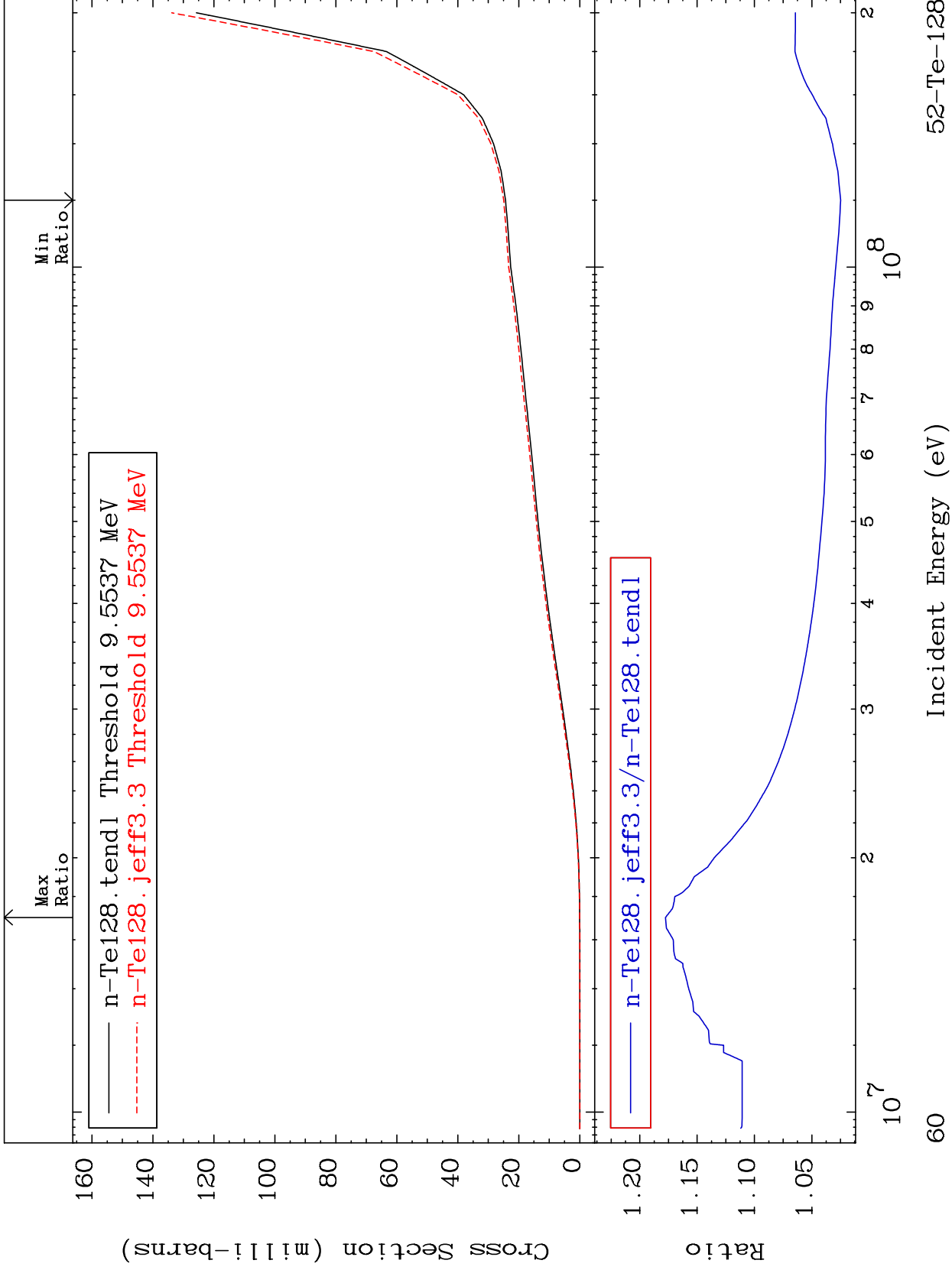
52-Te-128
To 20.08 %



MAT 5249

Tritium Production
Cross Section

52-Te-128
To 17.76 %
2.484

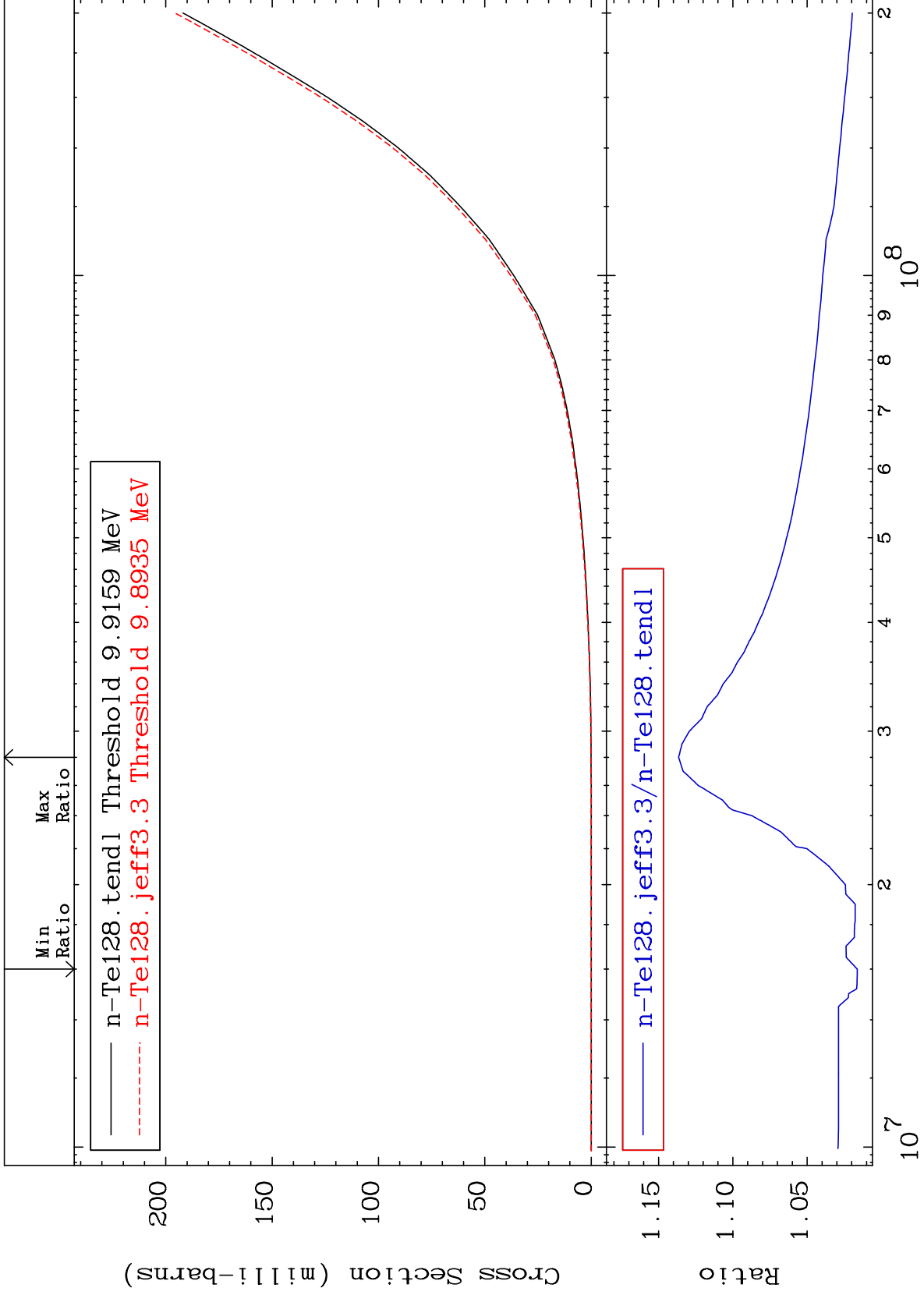


52-Te-128

MAT 5249

He-3 Production
Cross Section

52-Te-128
1.628 To 13.65 %



61

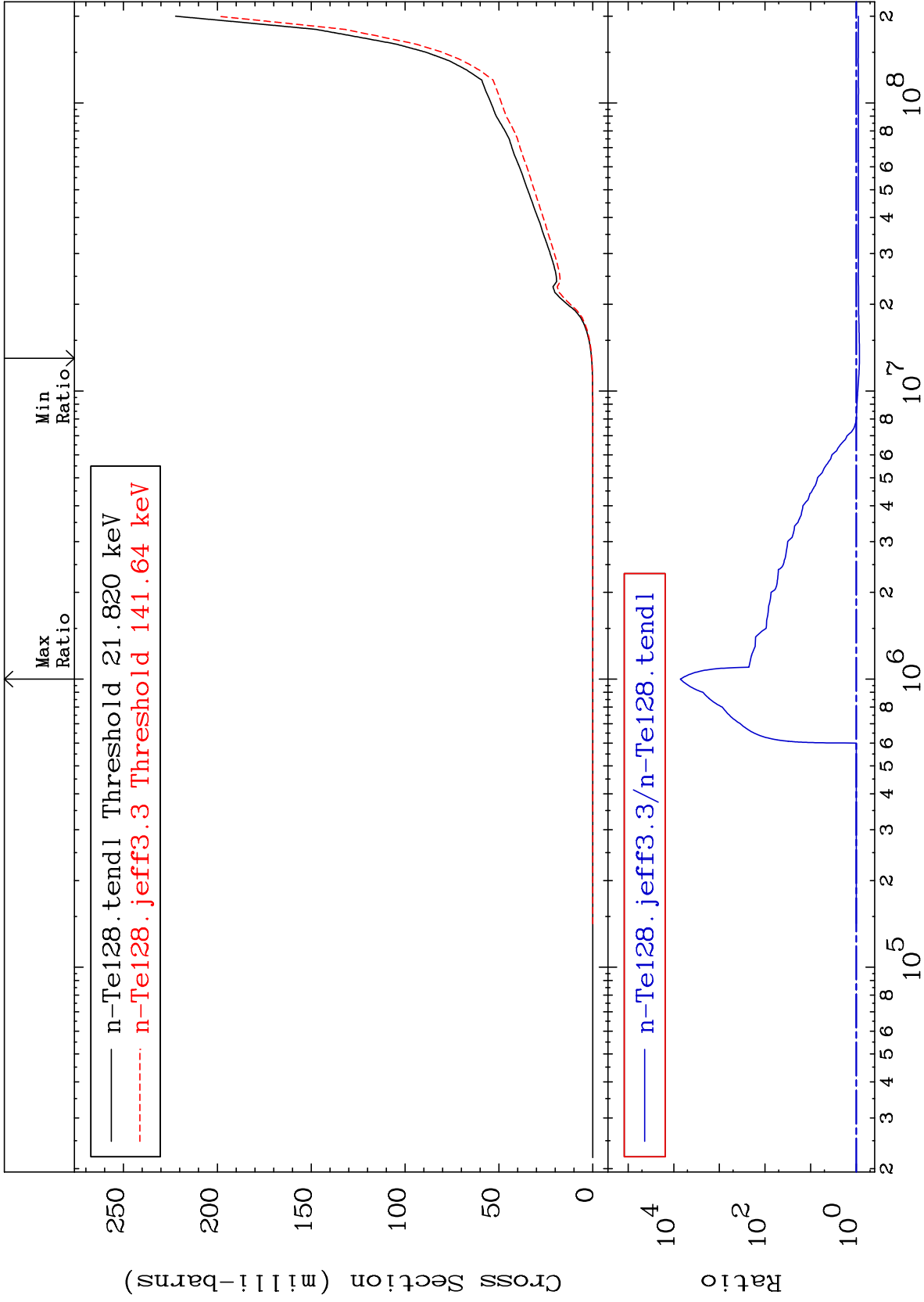
Incident Energy (eV)

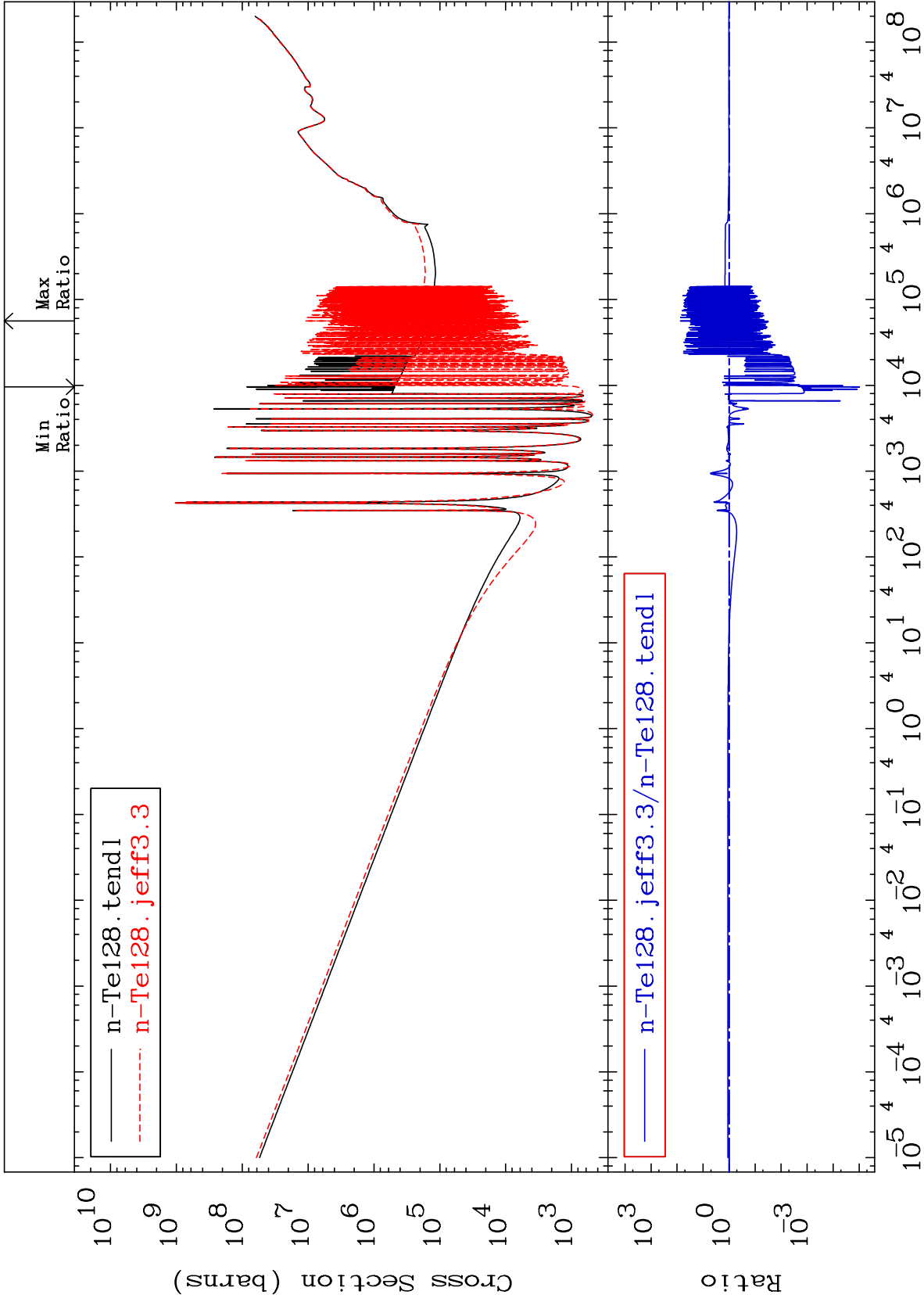
52-Te-128

MAT 5249

He-4 Production
Cross Section

52-Te-128
-14.78 To 9999. %

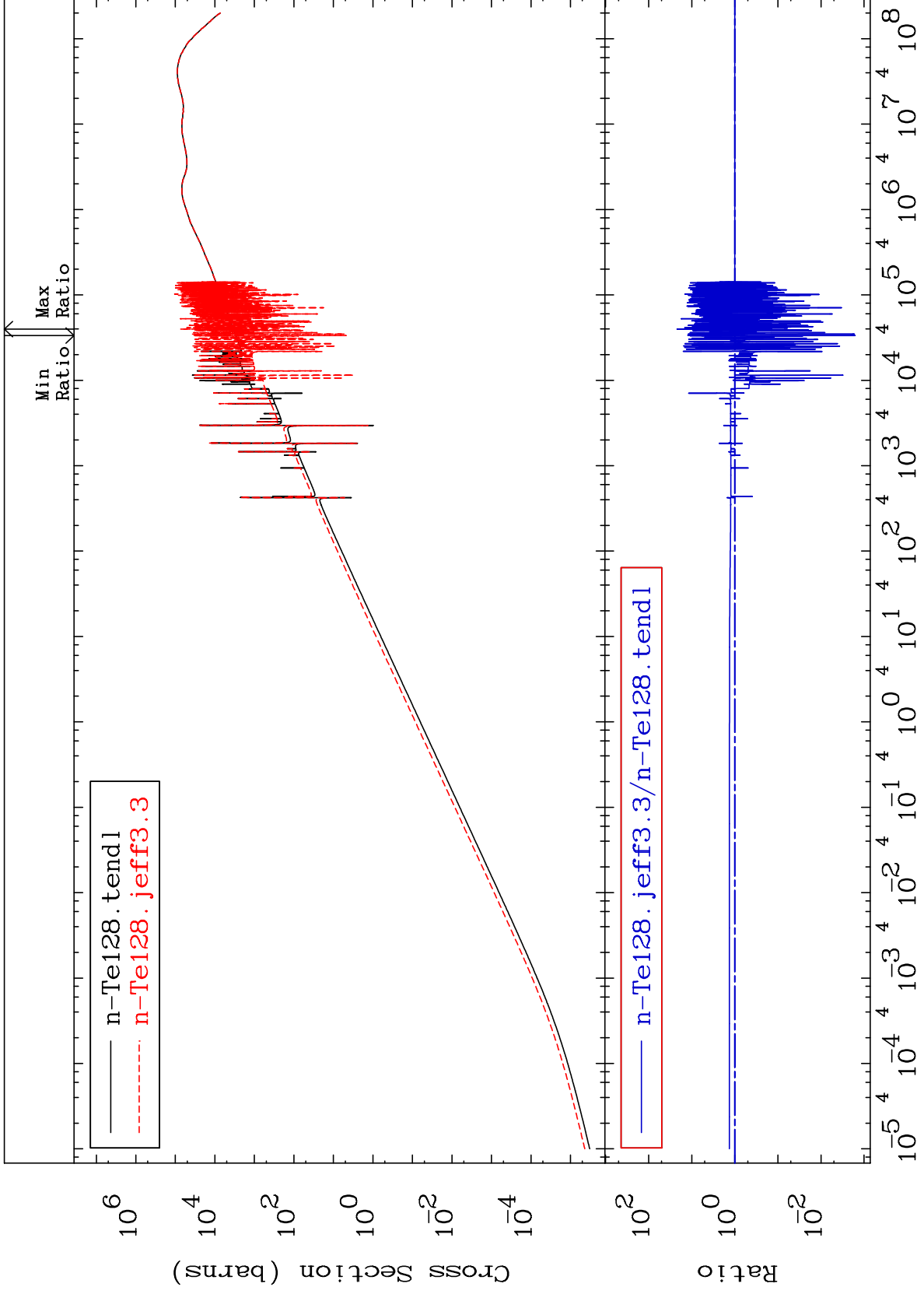


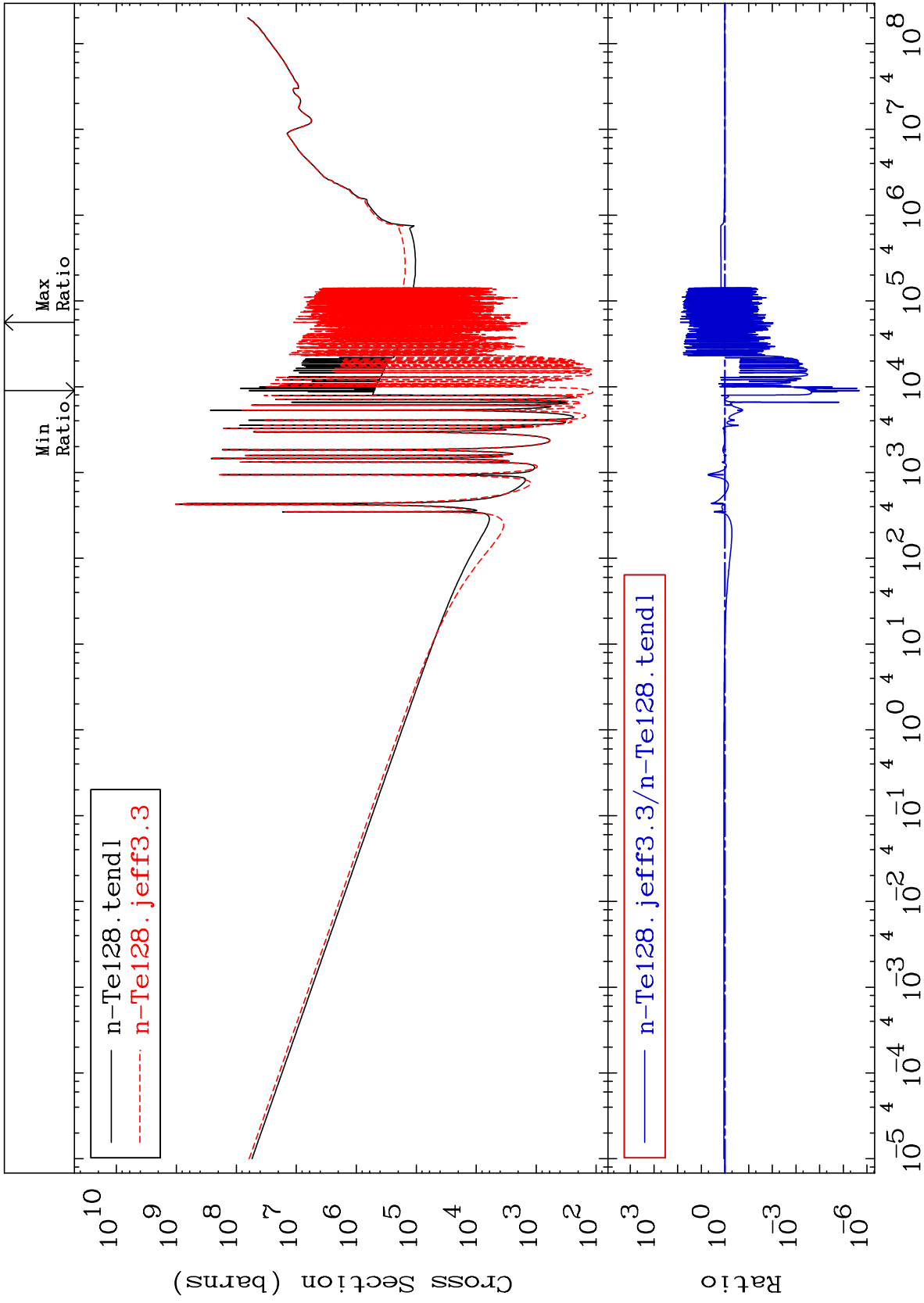


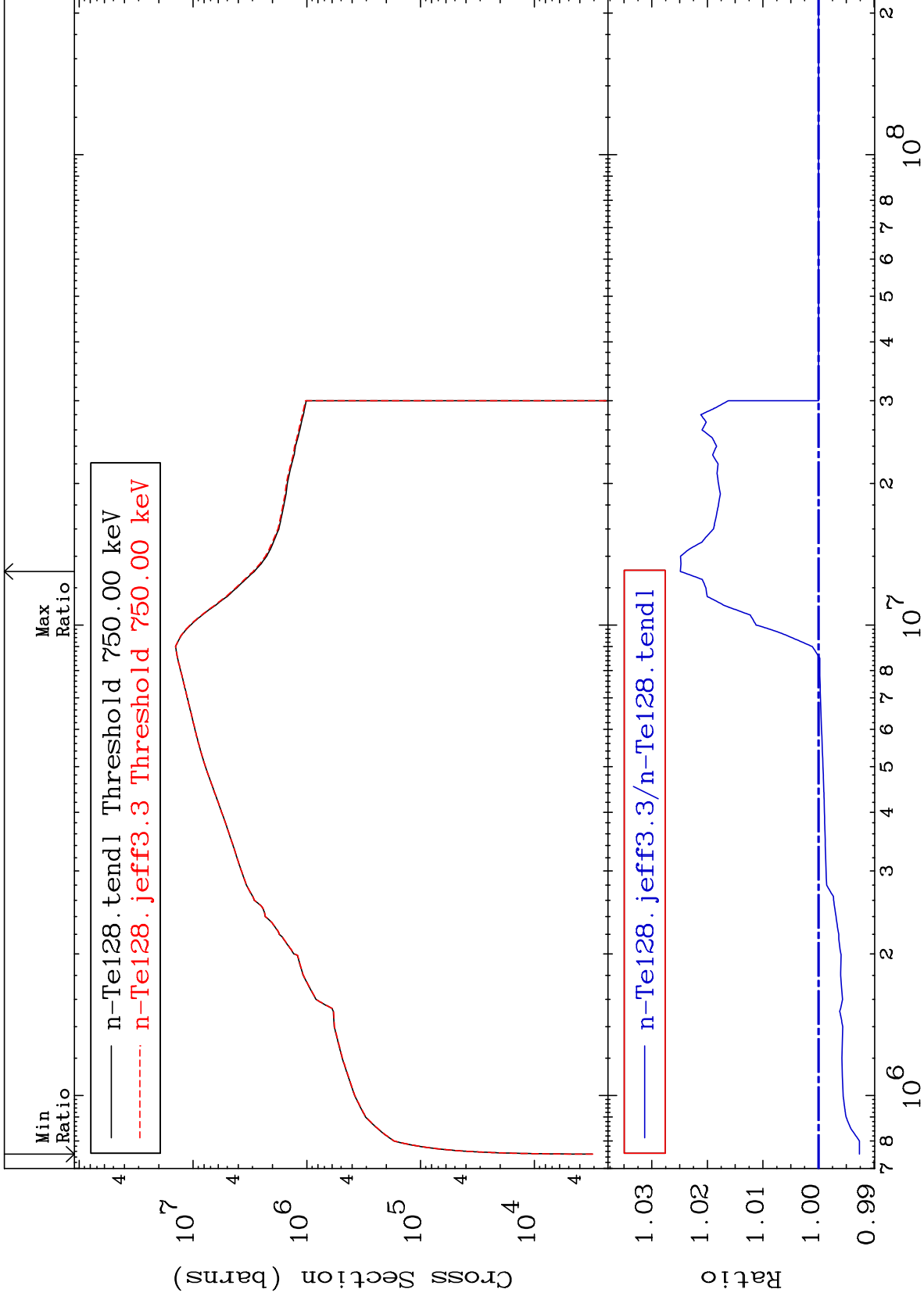
MAT 5249

Kerma elastic
Cross Section

52-Te-128
-99.84 To 2106. %



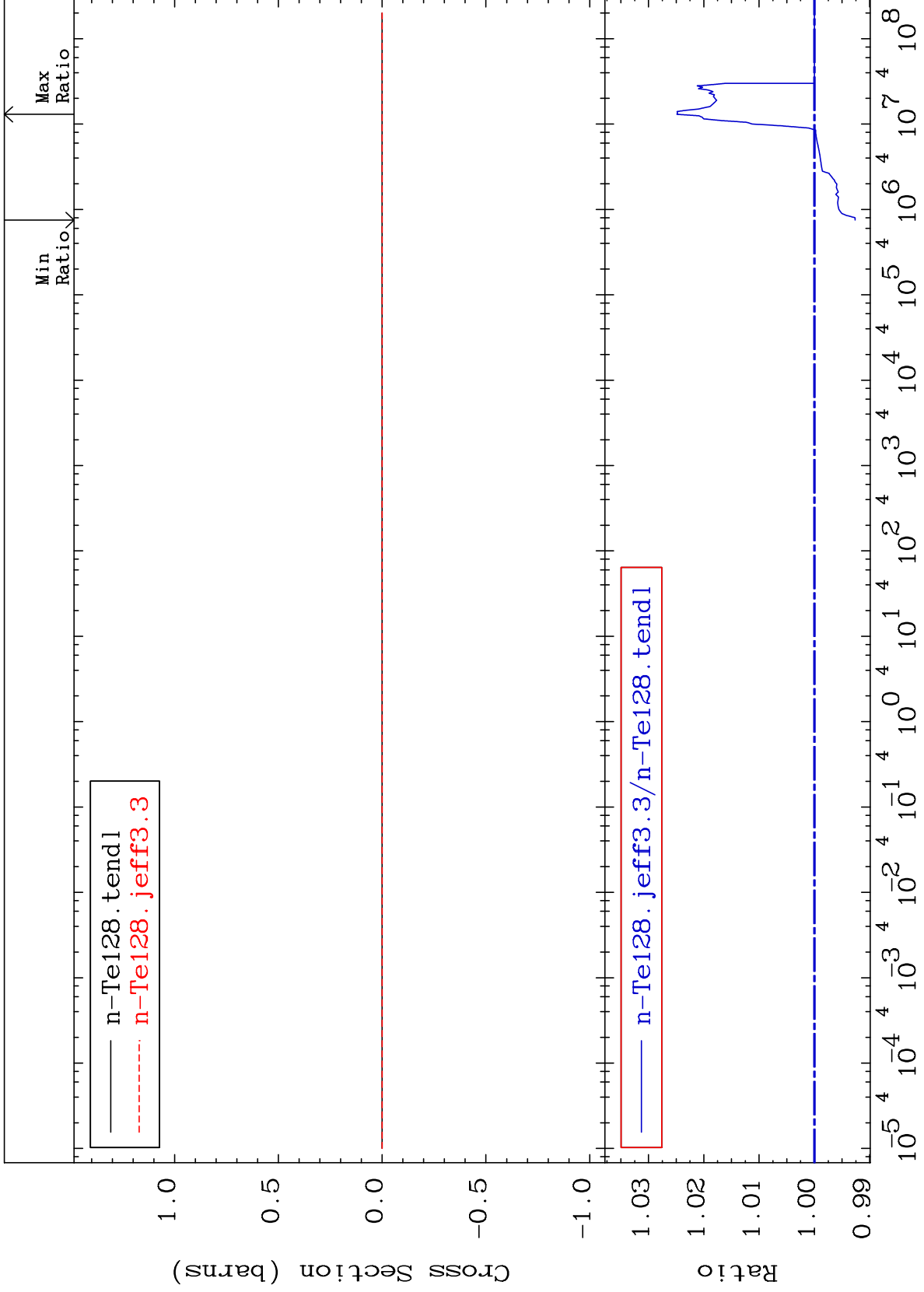




MAT 5249

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

52-Te-128
-0.736 To 2.486 %

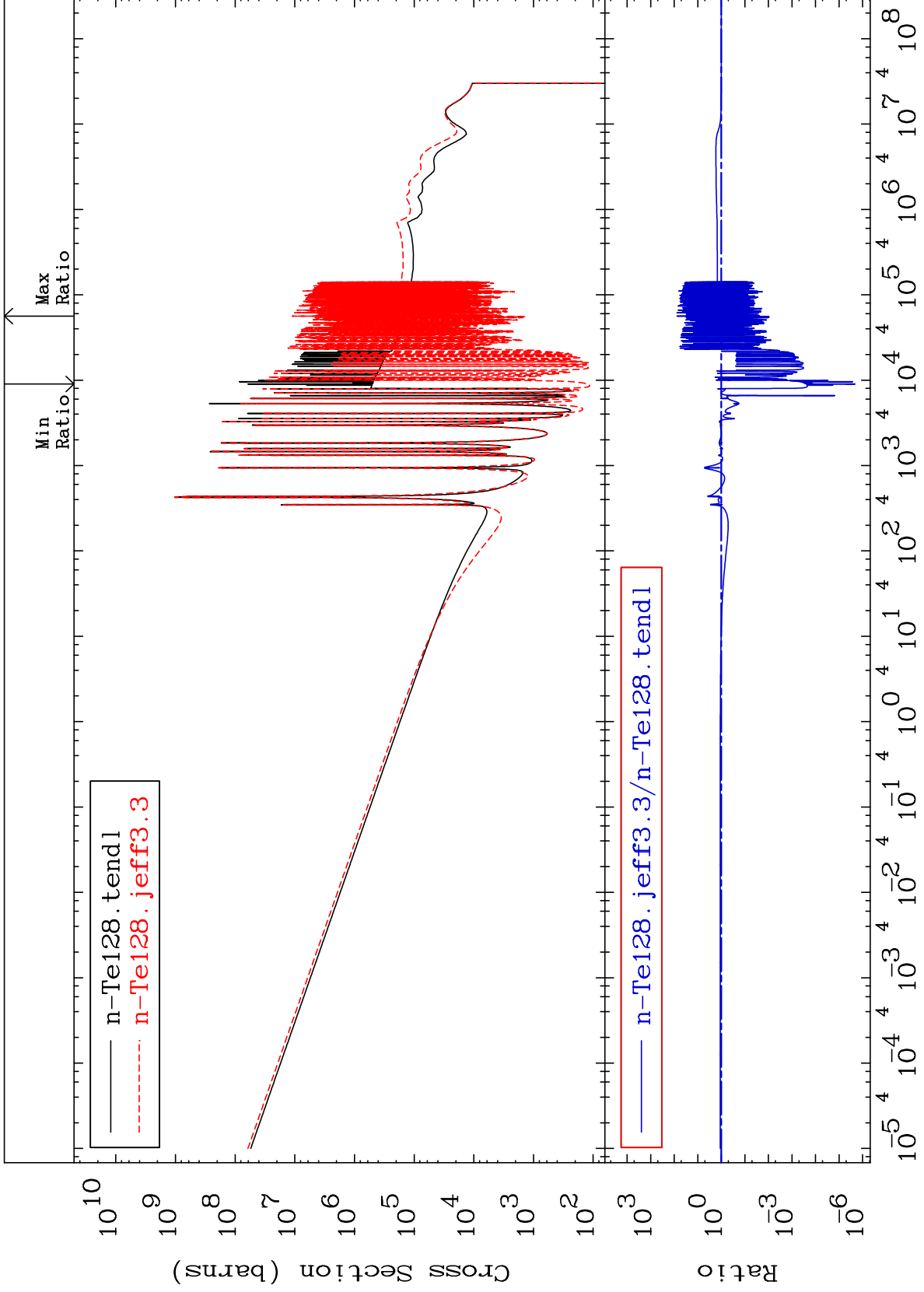


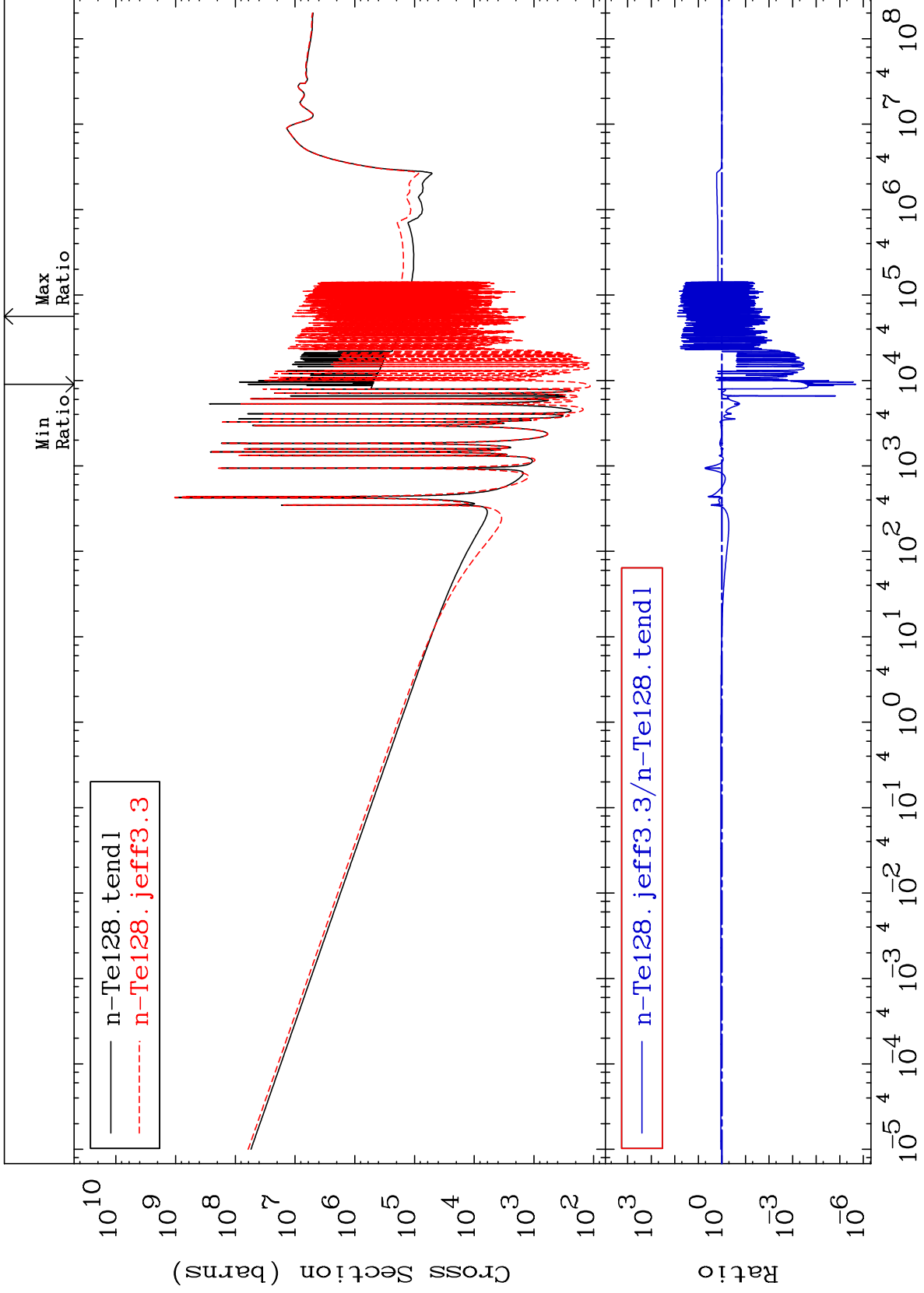
52-Te-128

MAT 5249

Kerma capture (mt102)
Cross Section

52-Te-128
-100.0 To 7588. %

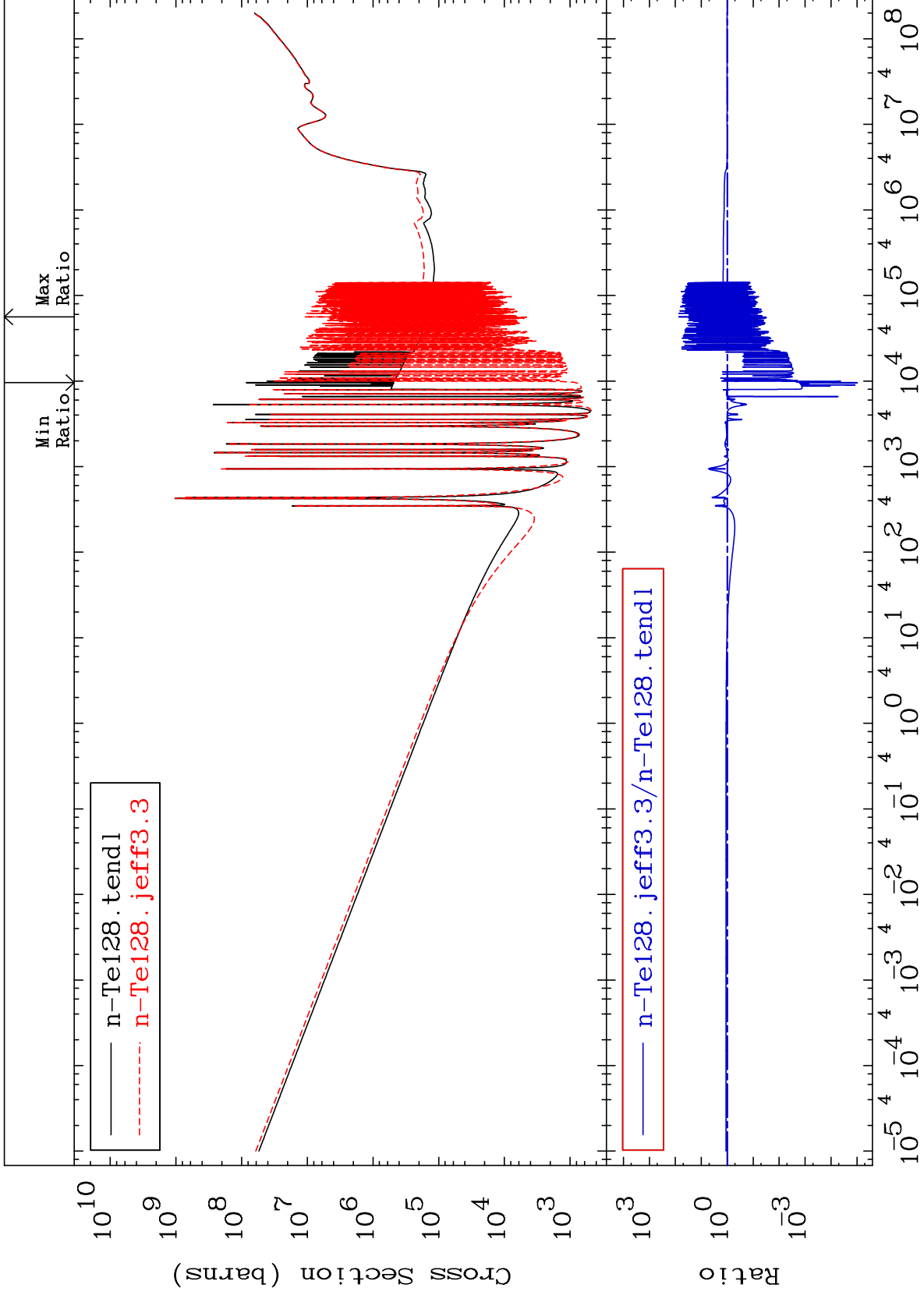




MAT 5249

Total kinematic kerma (high limit)
Cross Section

52-Te-128
-100.0 To 7361. %



70

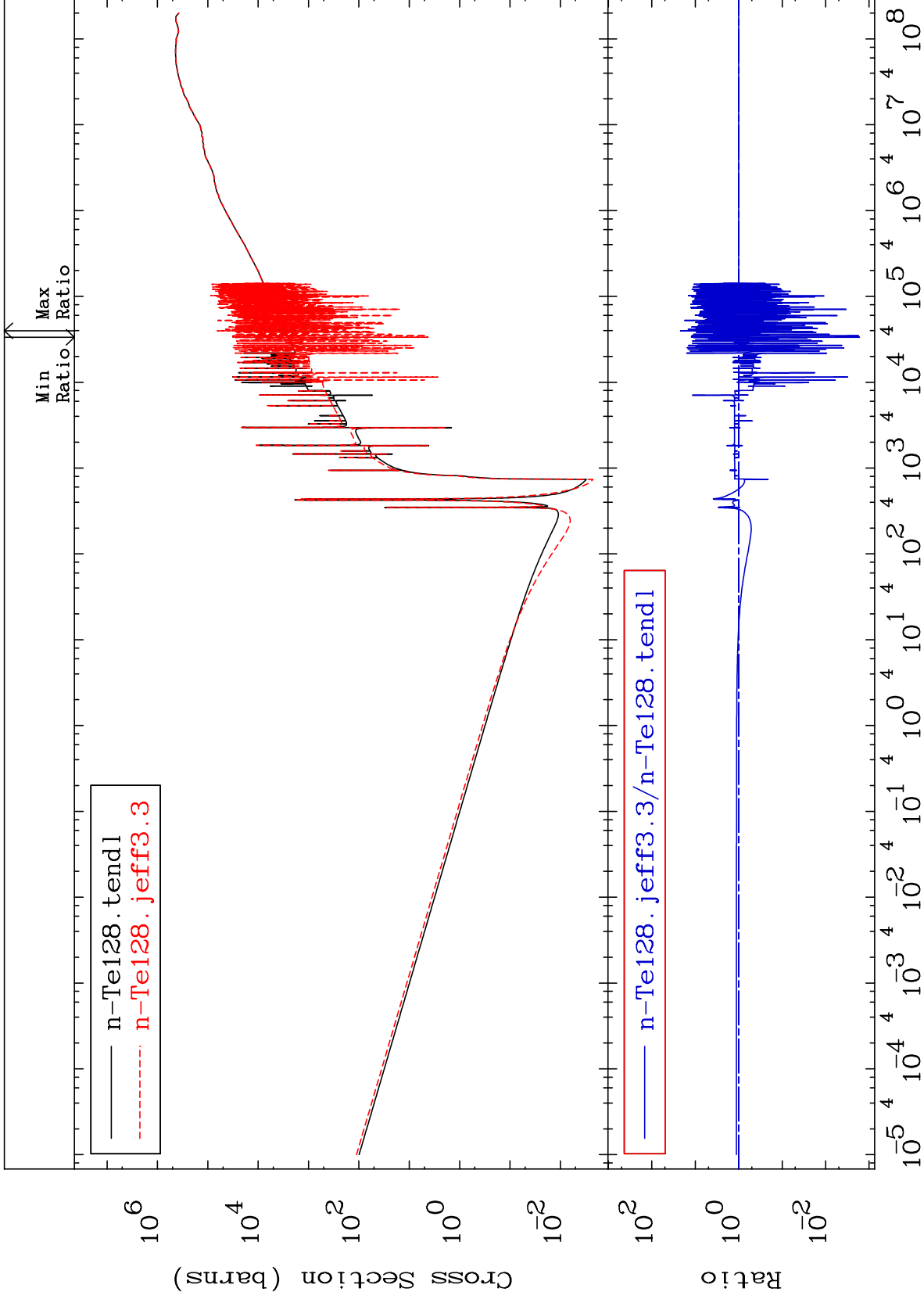
Incident Energy (eV)

52-Te-128

MAT 5249

Dpa total (eV-barns)
Cross Section

52-Te-128
-99.83 To 2106. %



71

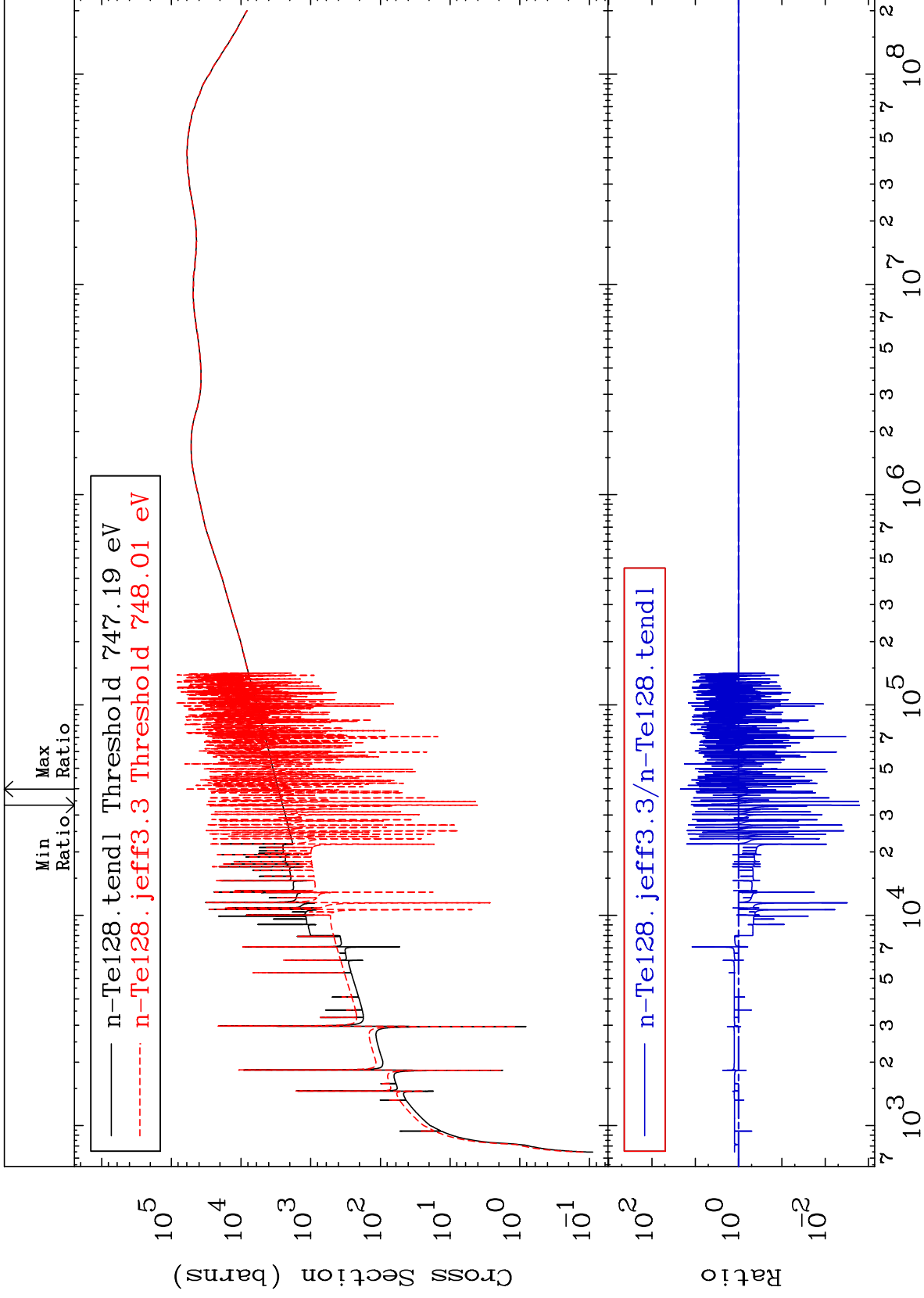
Incident Energy (eV)

52-Te-128

MAT 5249

Dpa elastic (mt2)
Cross Section

52-Te-128
-99.84 To 2106. %



72

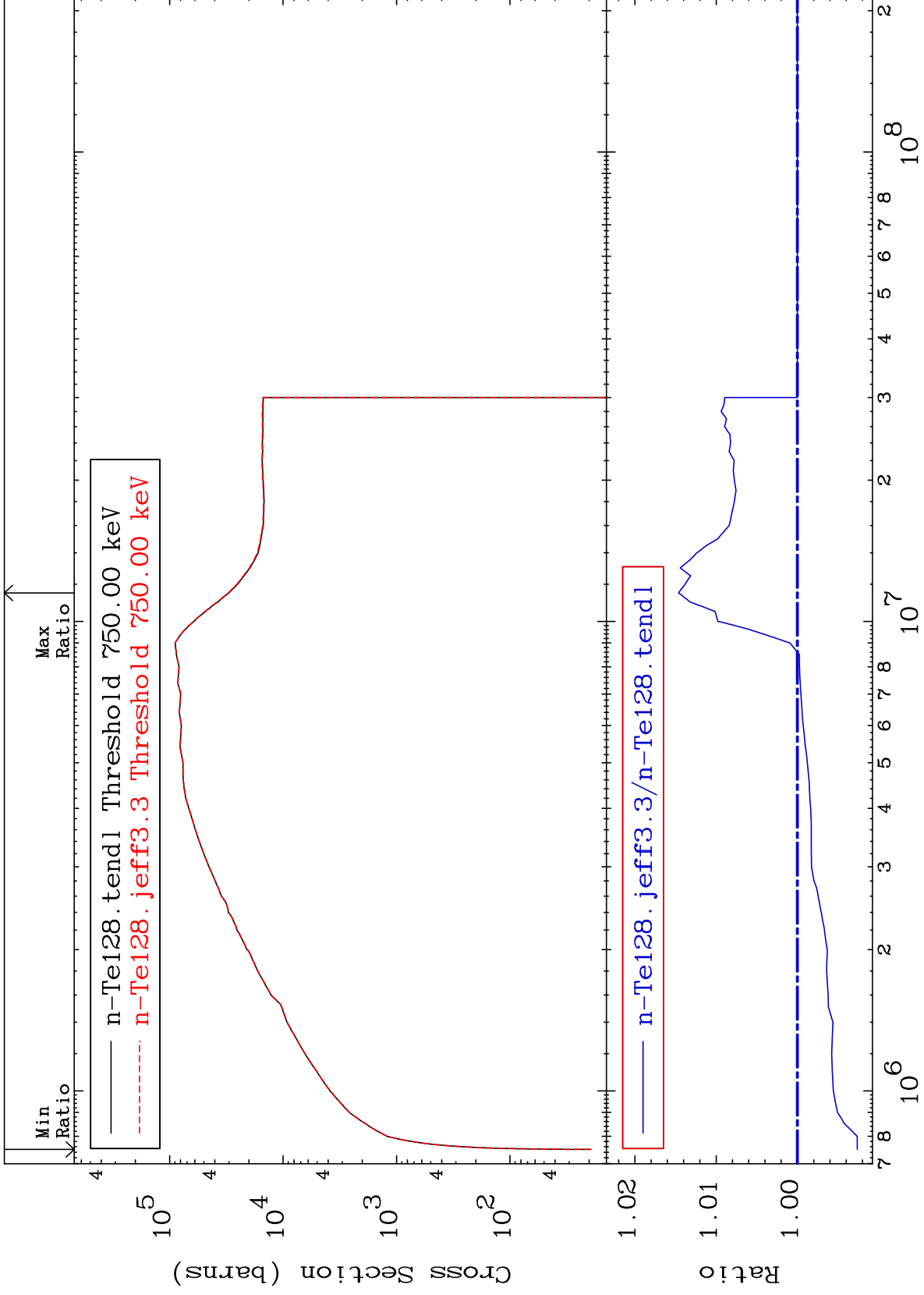
Incident Energy (eV)

52-Te-128

MAT 5249

Dpa inelastic (mt51-91)
Cross Section

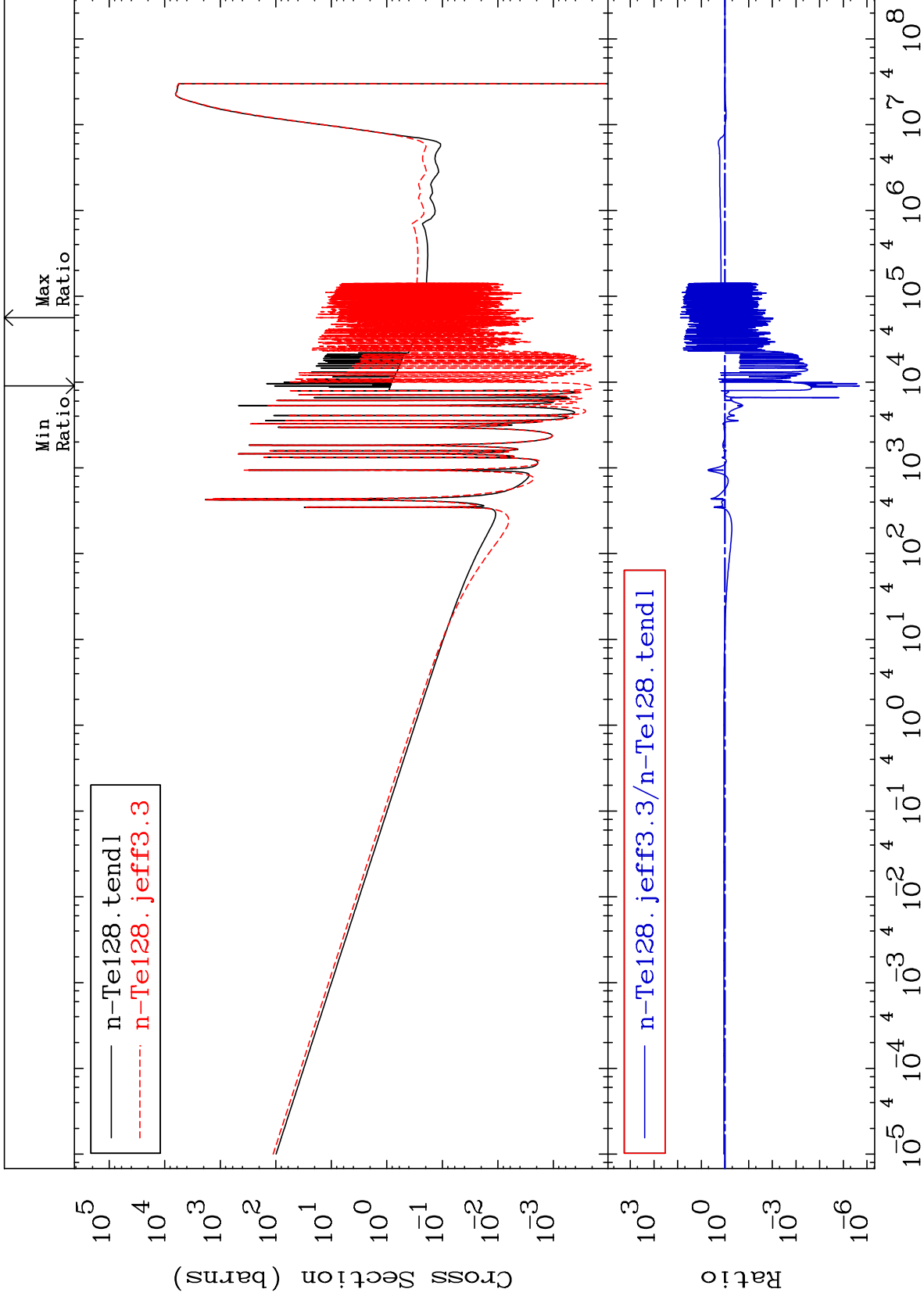
52-Te-128
-0.736 To 1.461 %



73

Incident Energy (eV)

52-Te-128



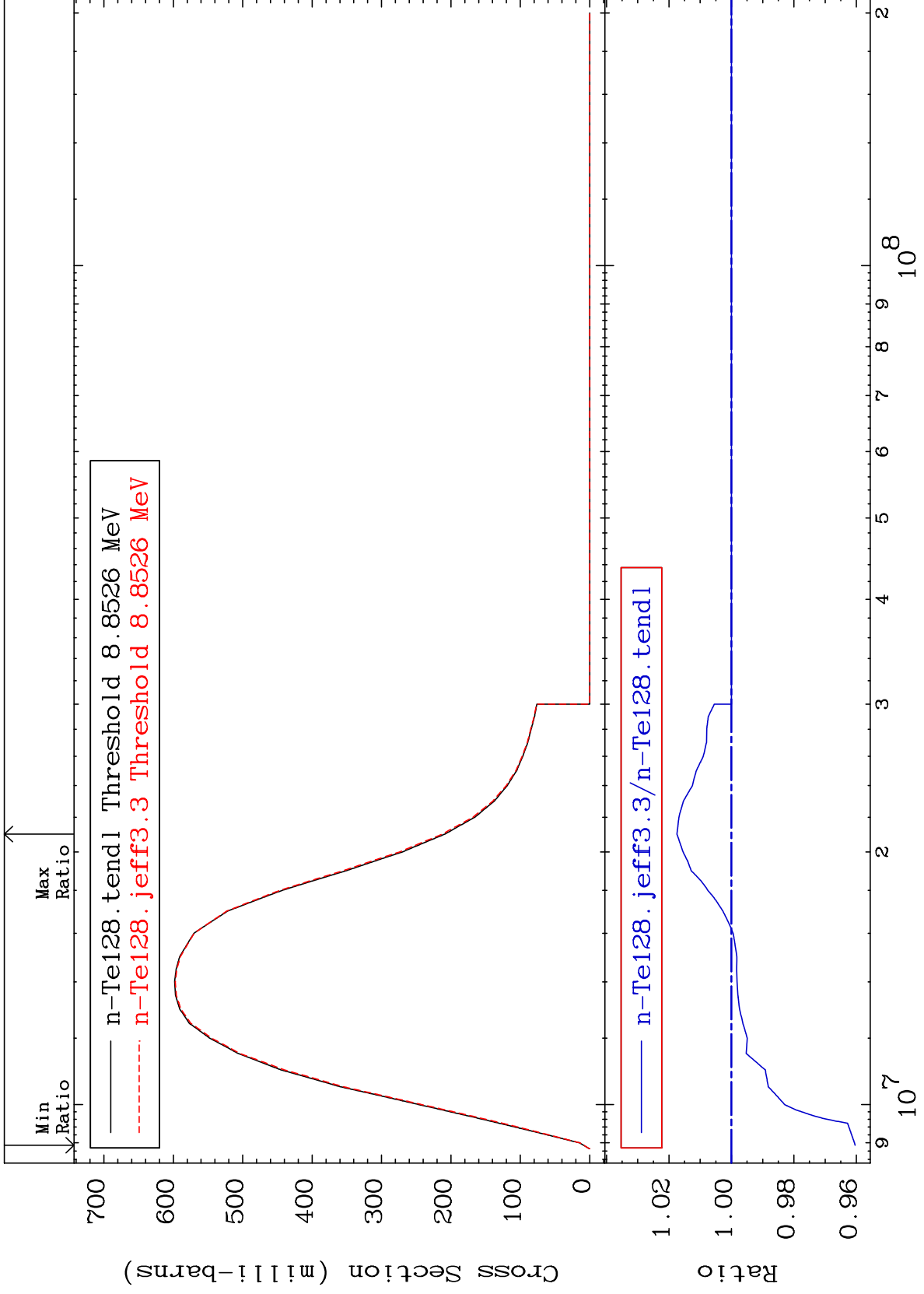
MAT 5249

(n,2n):52-Te-127g

52-Te-128

Radionuclide Production Cross Section

-3.959 To 1.745 %



75

Incident Energy (eV)

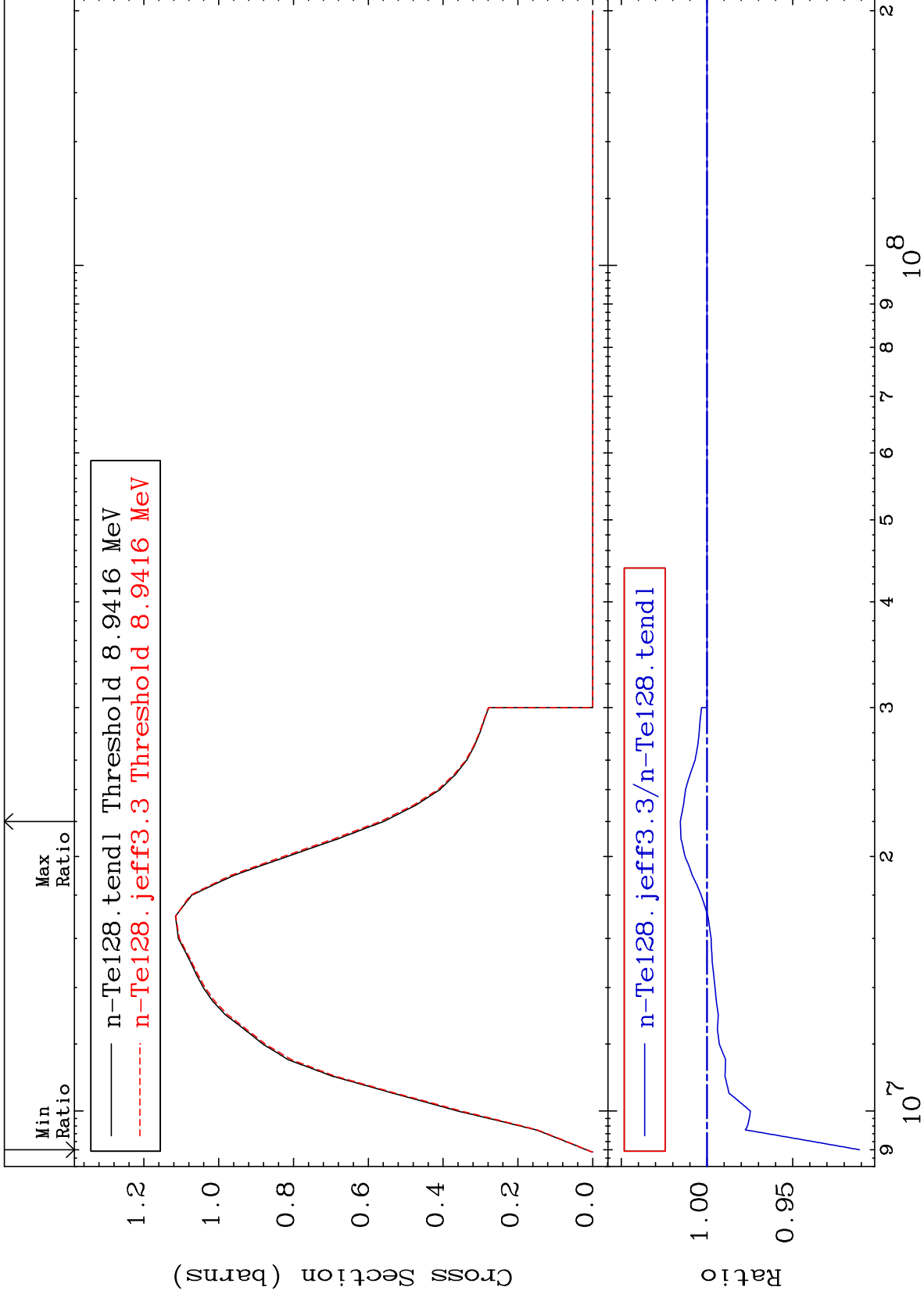
52-Te-128

MAT 5249

(n,2n):52-Te-127m2

52-Te-128

Radionuclide Production Cross Section -8.894 To 1.555 %



76

Incident Energy (eV)

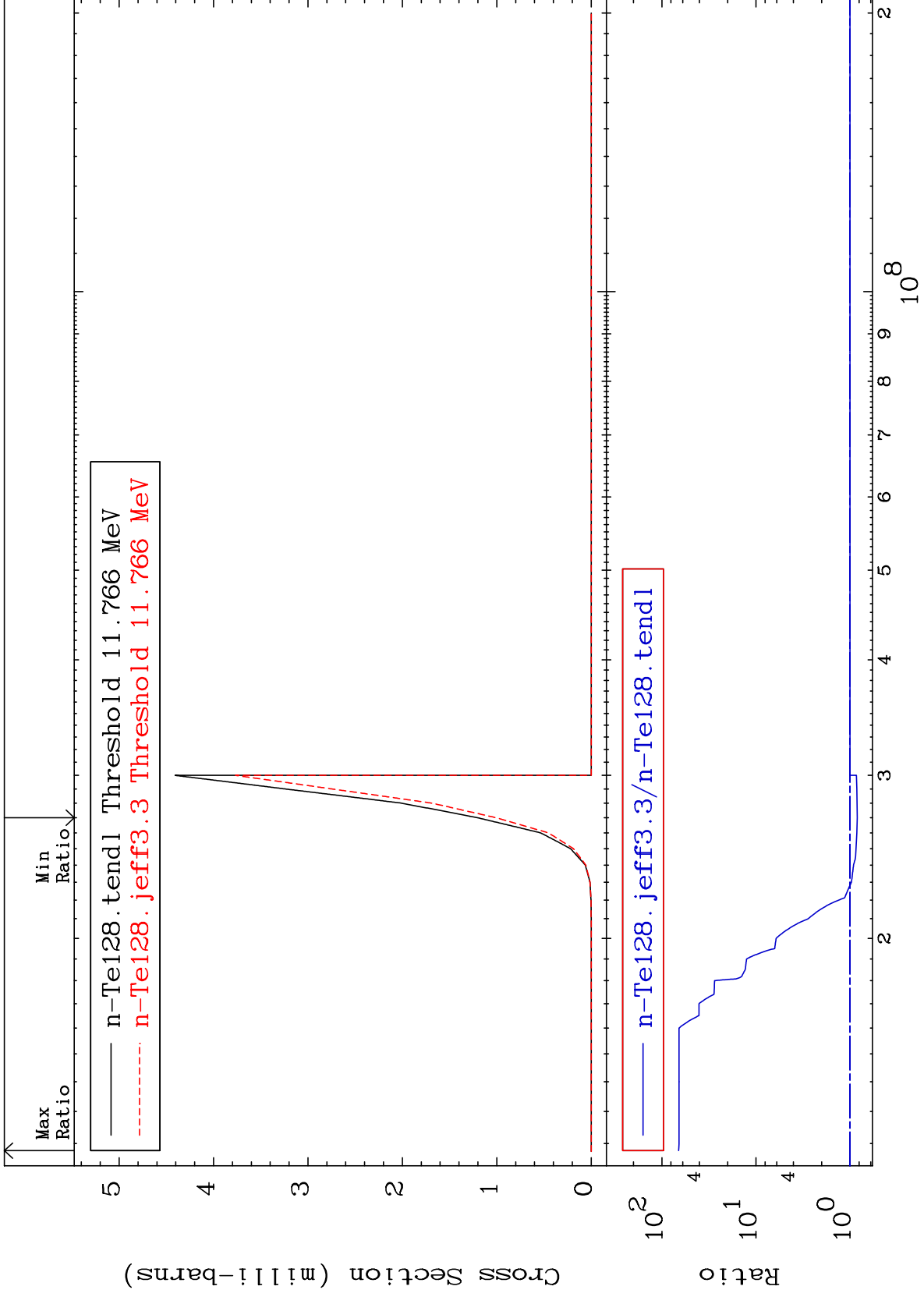
52-Te-128

MAT 5249

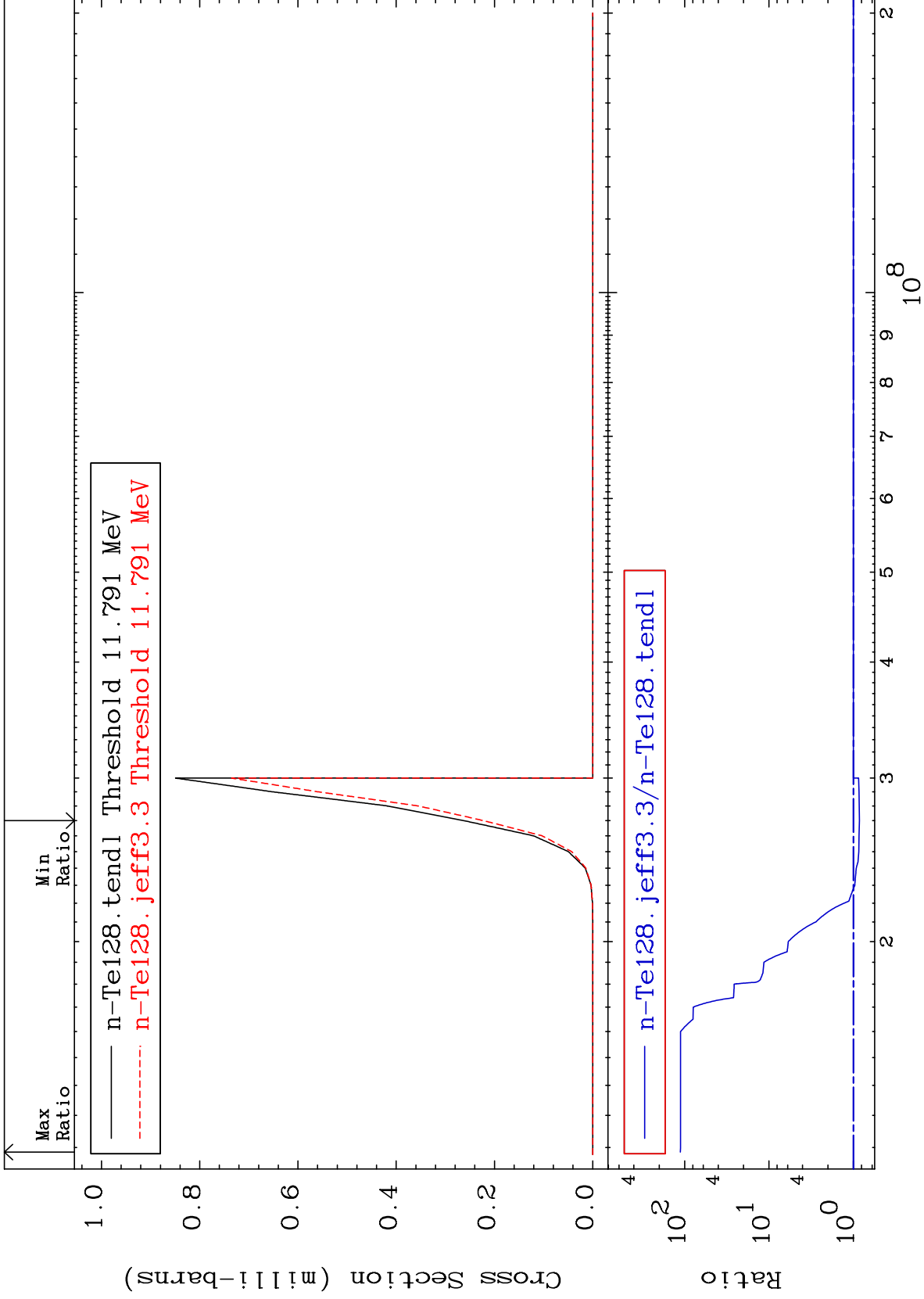
(n,2n) α :50-Sn-123g

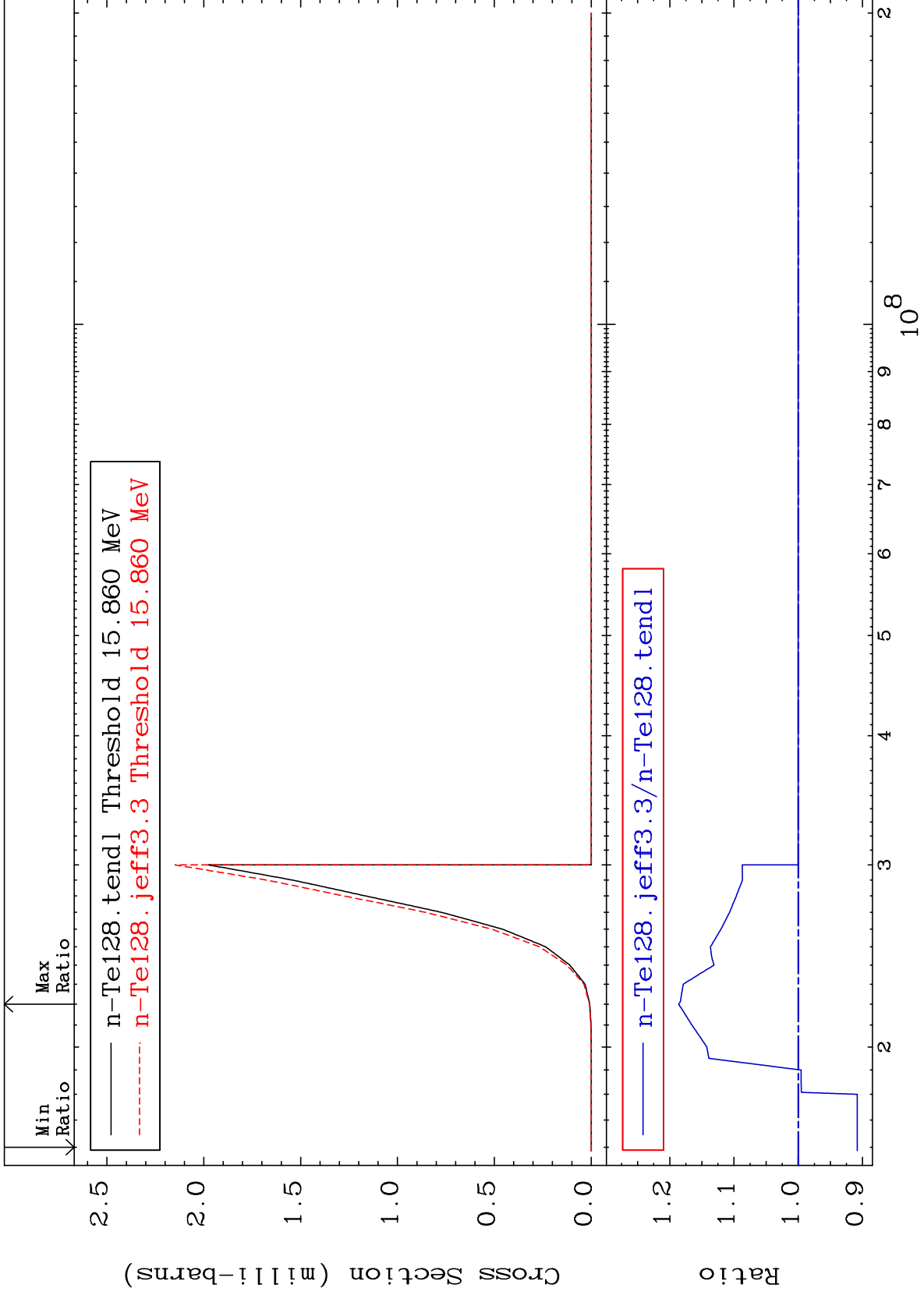
52-Te-128

Radionuclide Production Cross Section -16.27 To 6531. %



Radionuclide Production Cross Section -15.32 To 9999. %



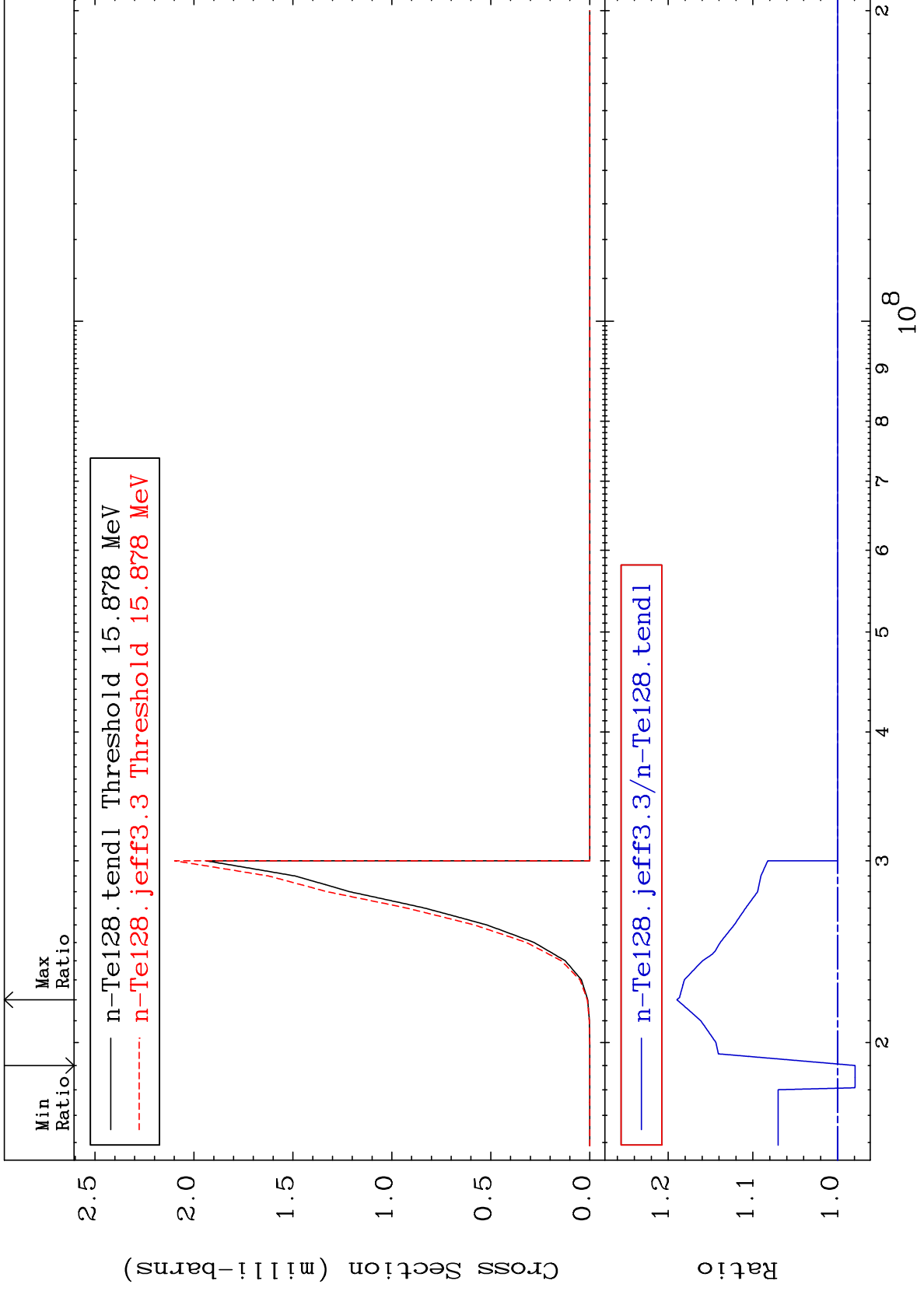


MAT 5249

(n, n') d:51-Sb-126m1

52-Te-128

Radionuclide Production Cross Section -2.070 To 18.97 %

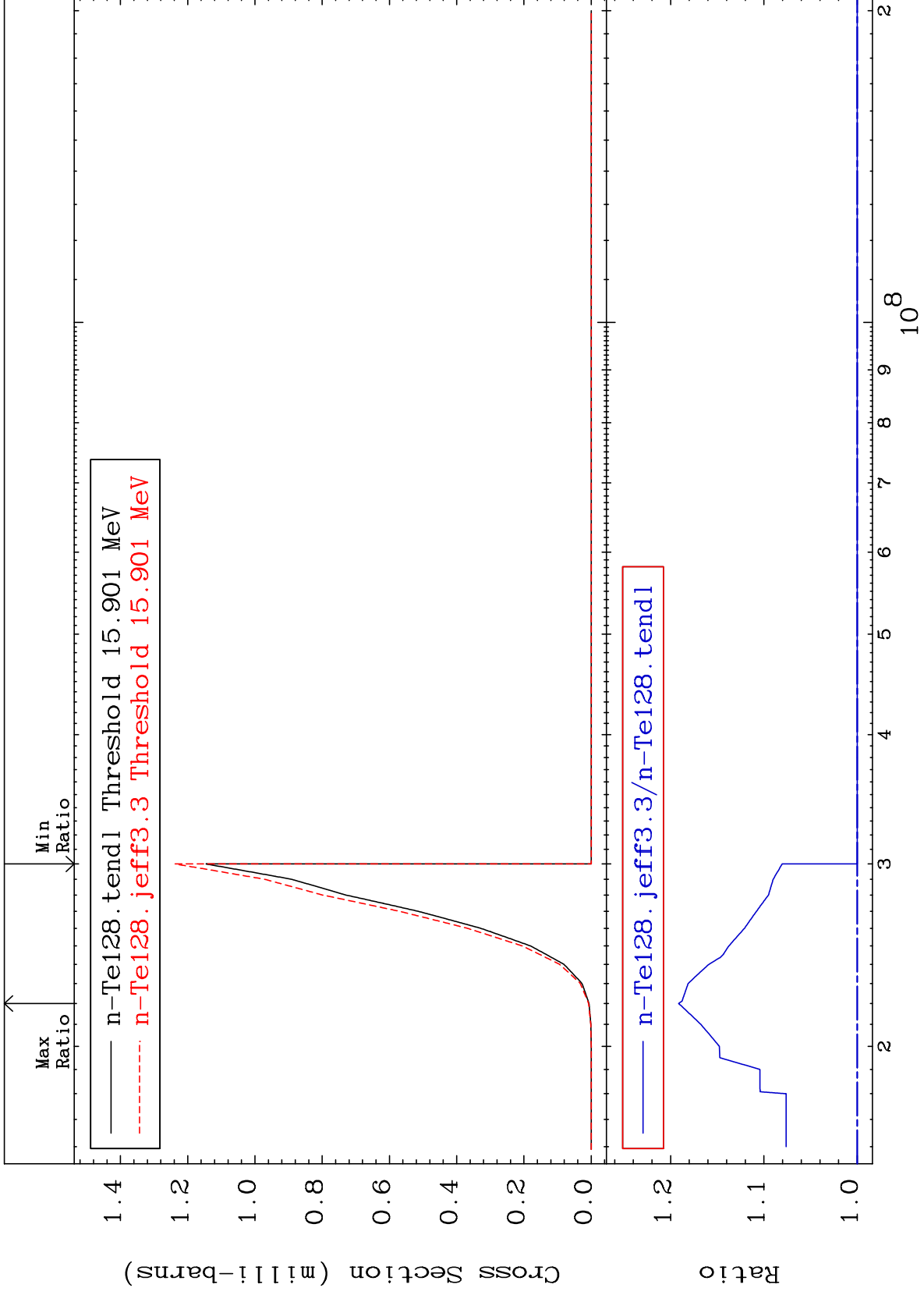


MAT 5249

(n, n') d:51-Sb-126m2

52-Te-128

Radionuclide Production Cross Section 0.000 To 19.14 %

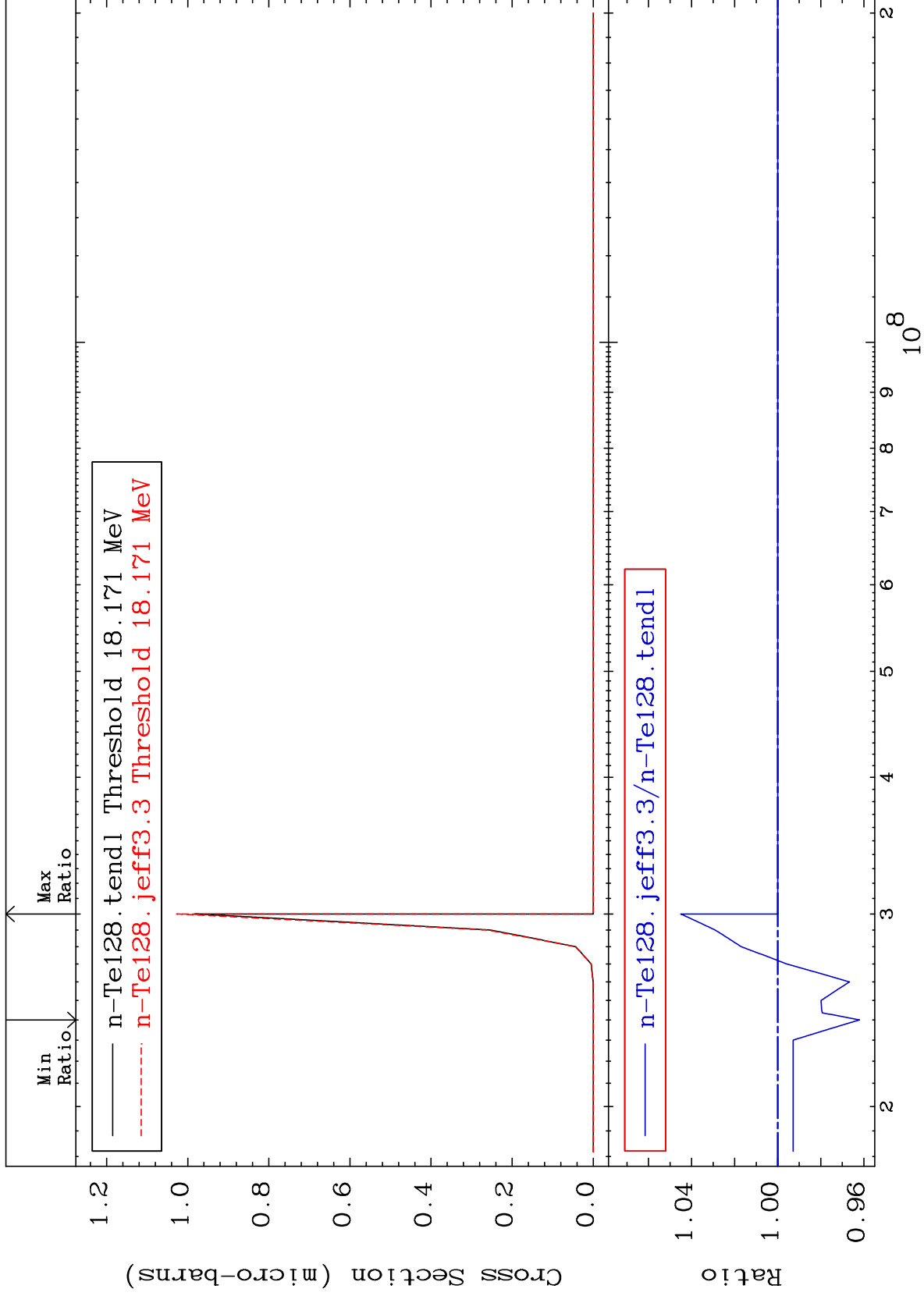


MAT 5249

52-Te-128

(n, n') He-3:50-Sn-125g

Radionuclide Production Cross Section -3.798 To 4.501 %

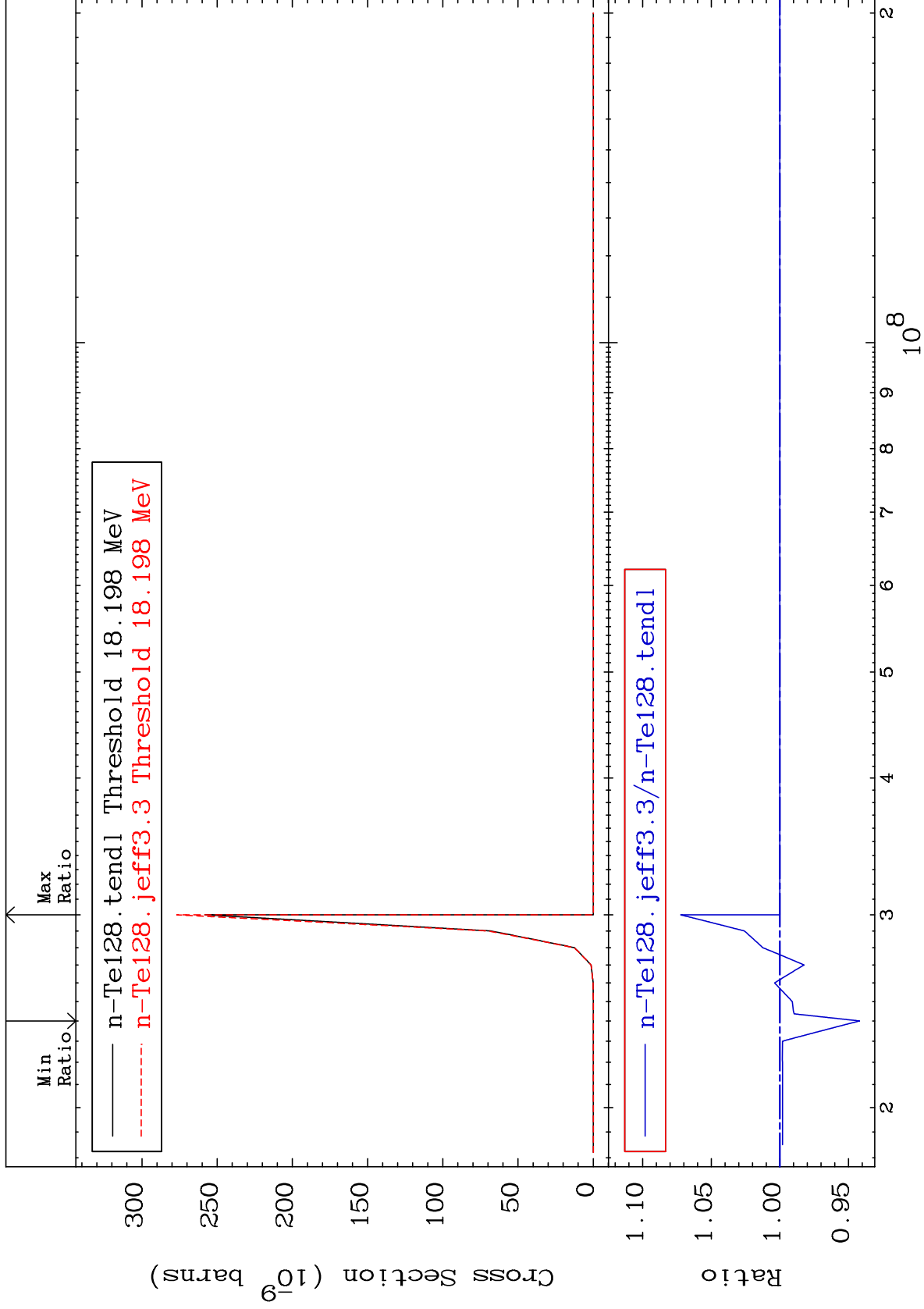


MAT 5249

(n, n') He-3:50-Sn-125m1

52-Te-128

Radionuclide Production Cross Section -5.801 To 7.222 %



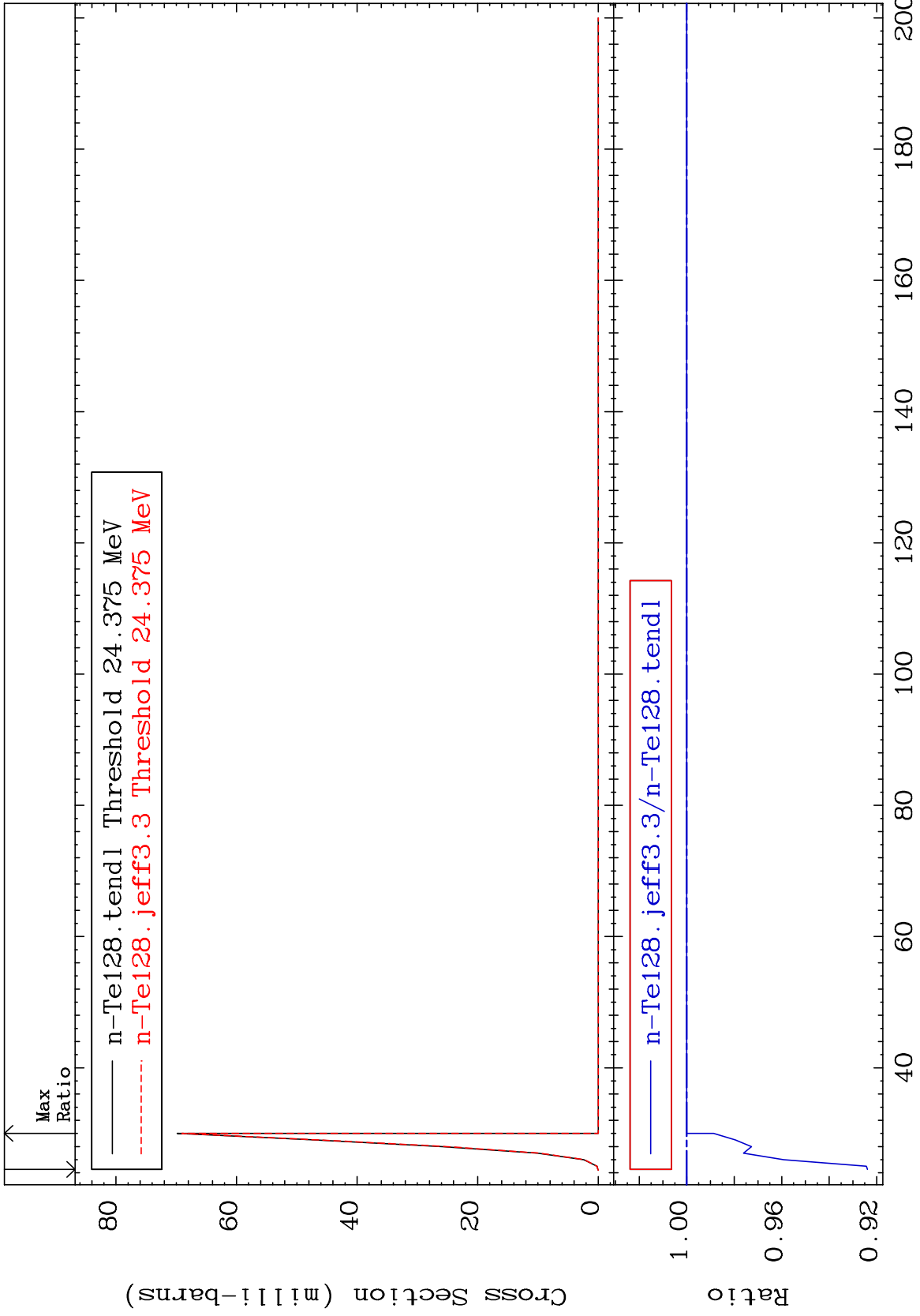
MAT 5249

(n, 4n):52-Te-125g

52-Te-128

Radionuclide Production Cross Section

-7.611 To 0.000 %



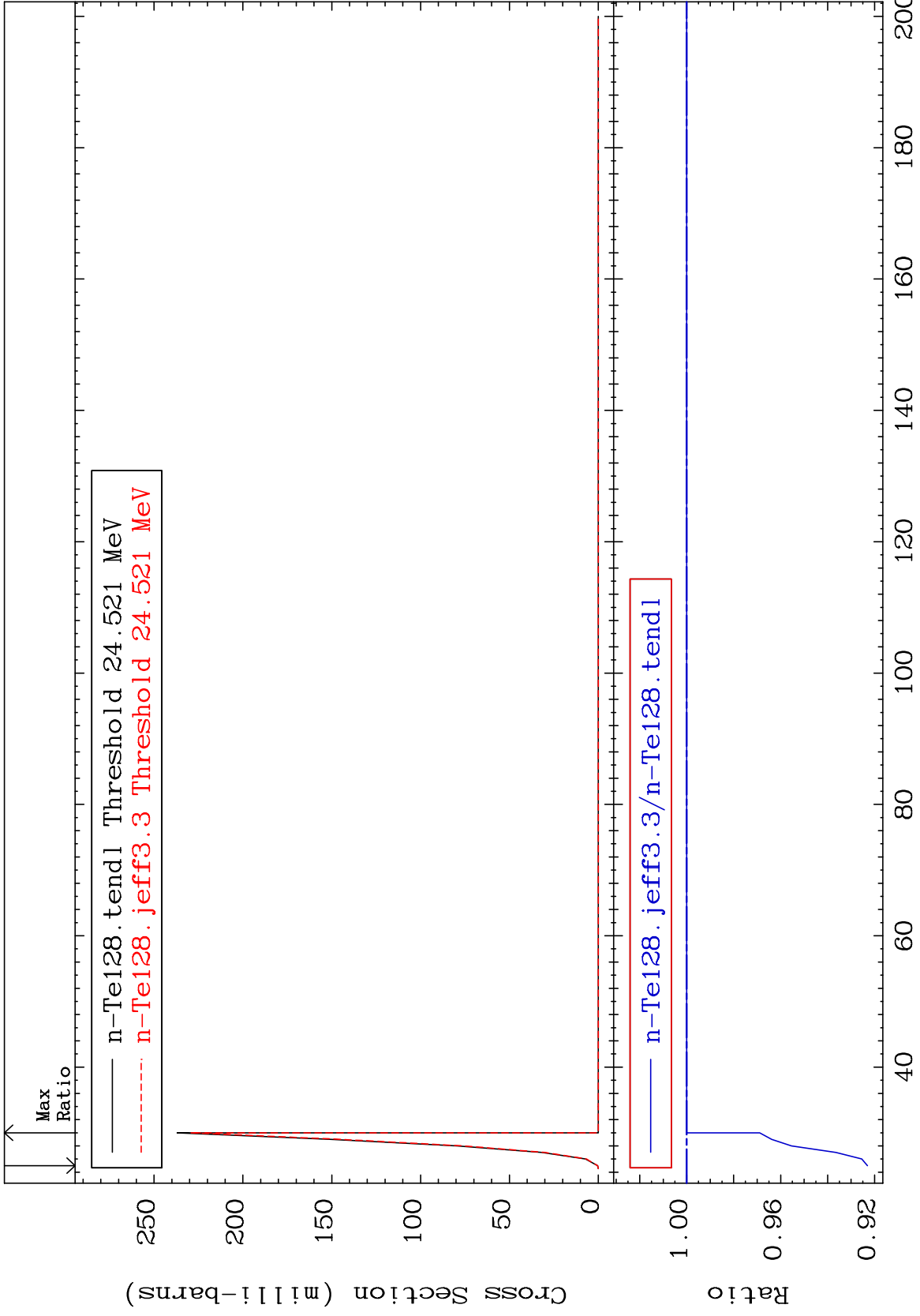
MAT 5249

(n, 4n) : 52-Te-125m2

52-Te-128

Radionuclide Production Cross Section

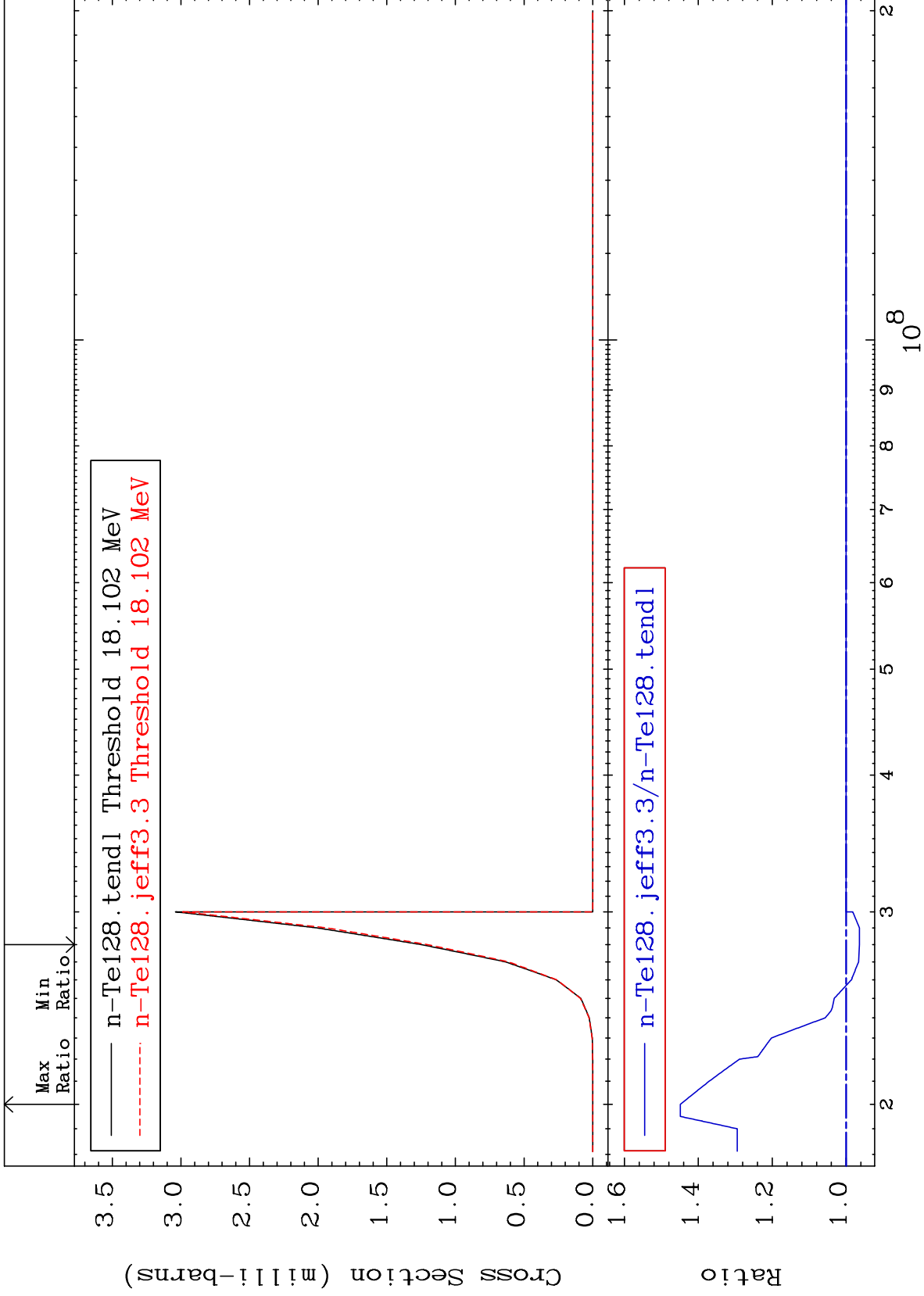
-7.696 To 0.000 %



85

Incident Energy (MeV)

52-Te-128



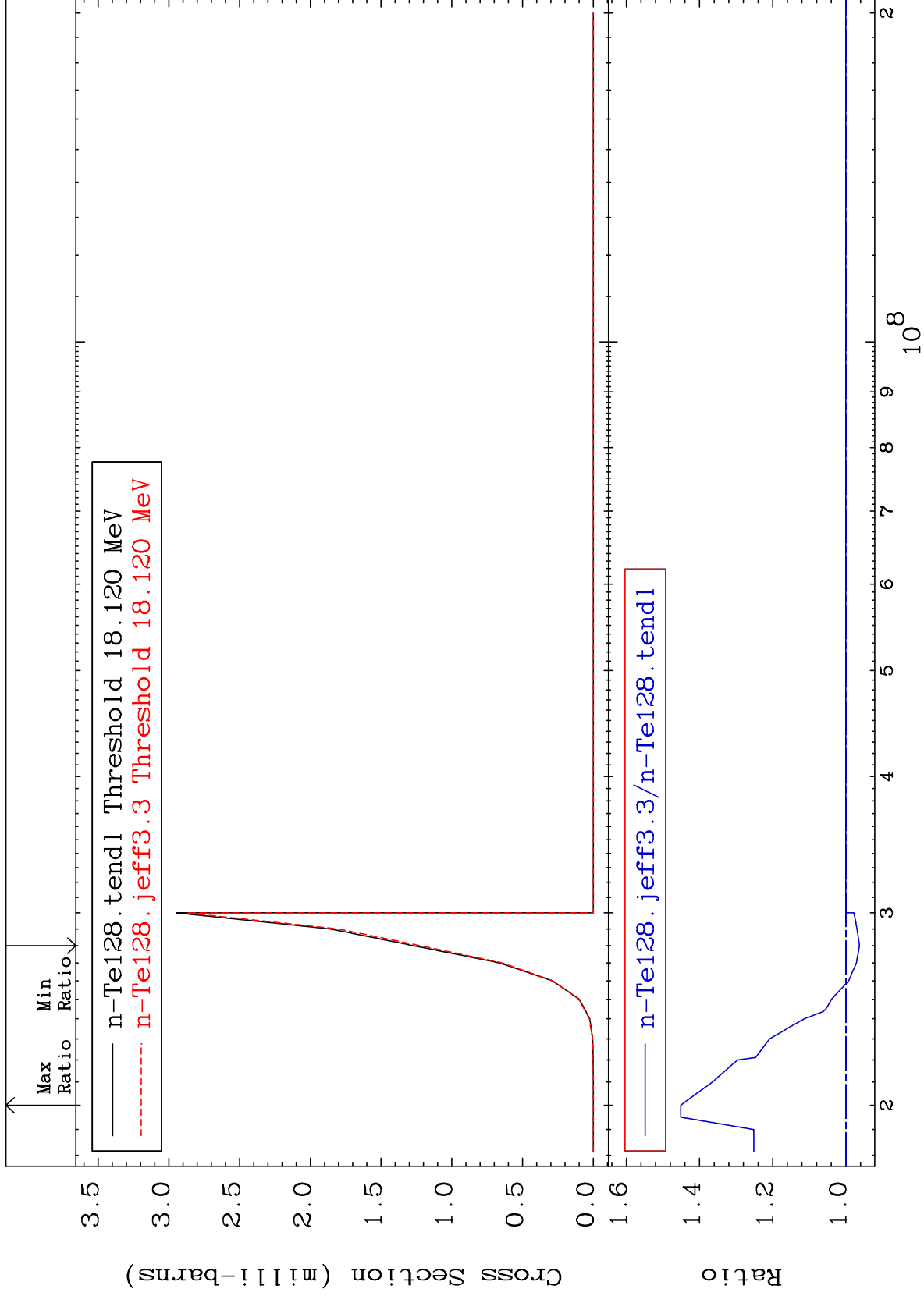
MAT 5249

(n,2n) p:51-Sb-126m1

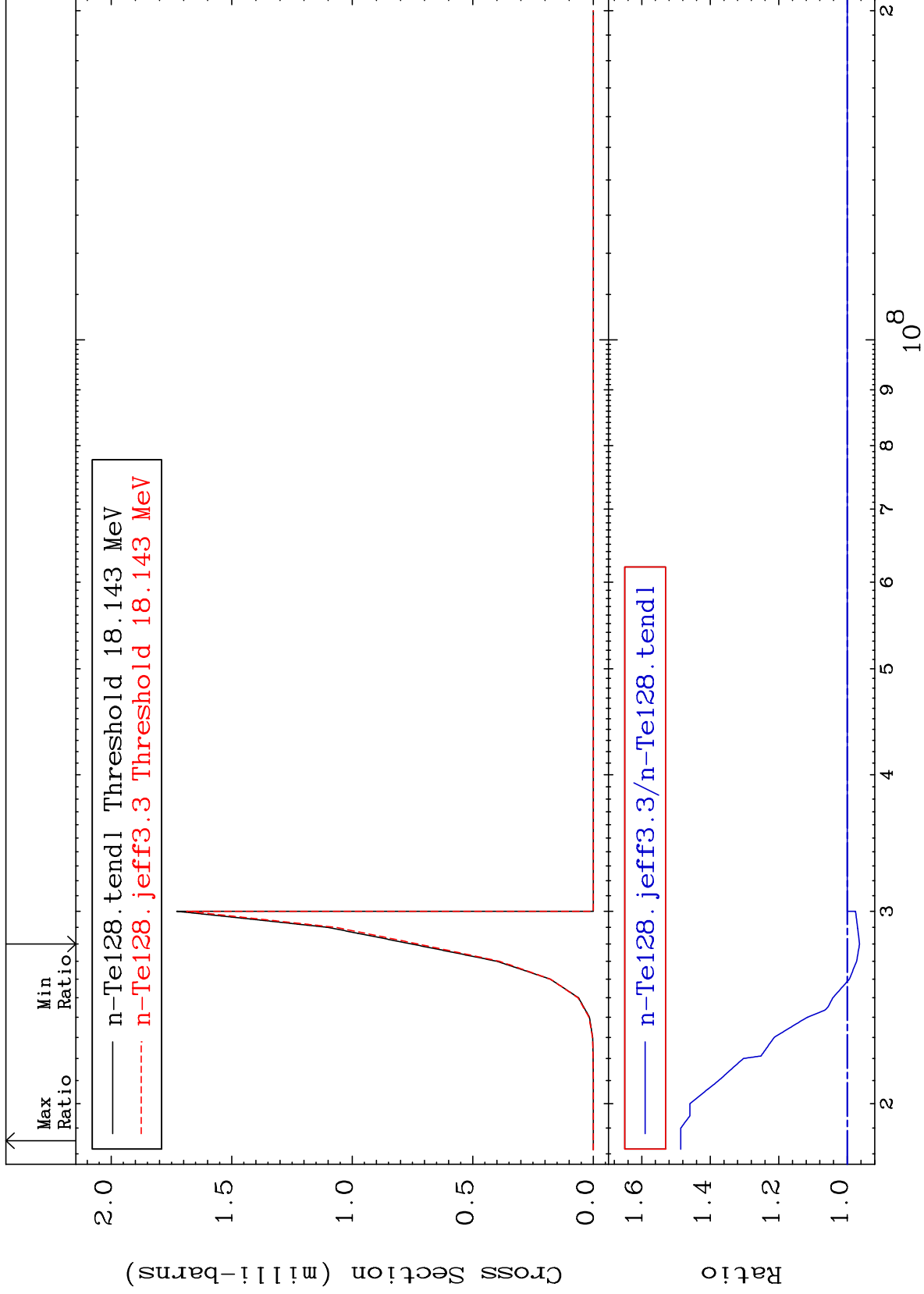
52-Te-128

Radionuclide Production Cross Section

-3.734 To 45.13 %



Radionuclide Production Cross Section -3.580 To 48.60 %



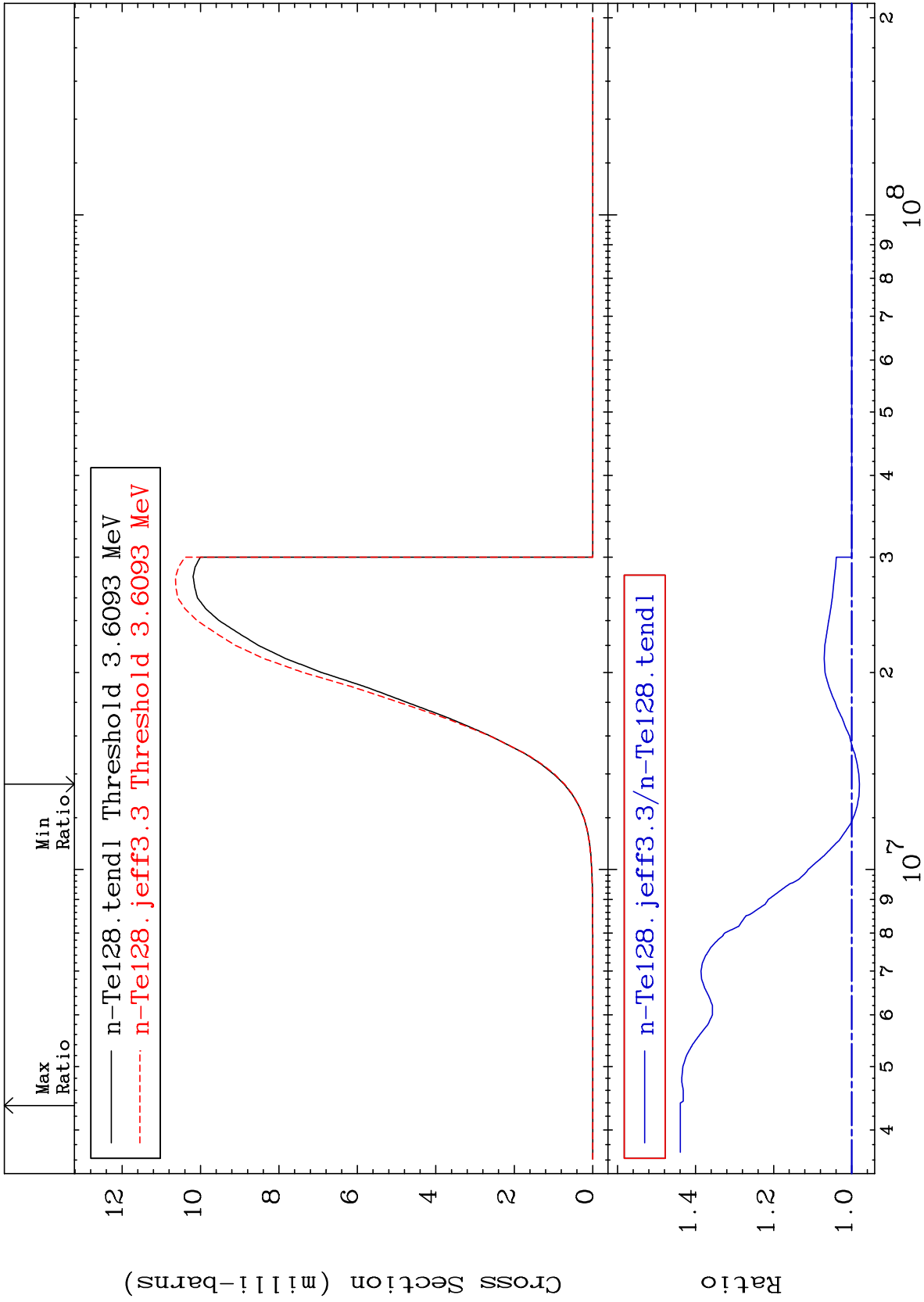
MAT 5249

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

52-Te-128

Radionuclide Production Cross Section

-1.991 To 43.92 %



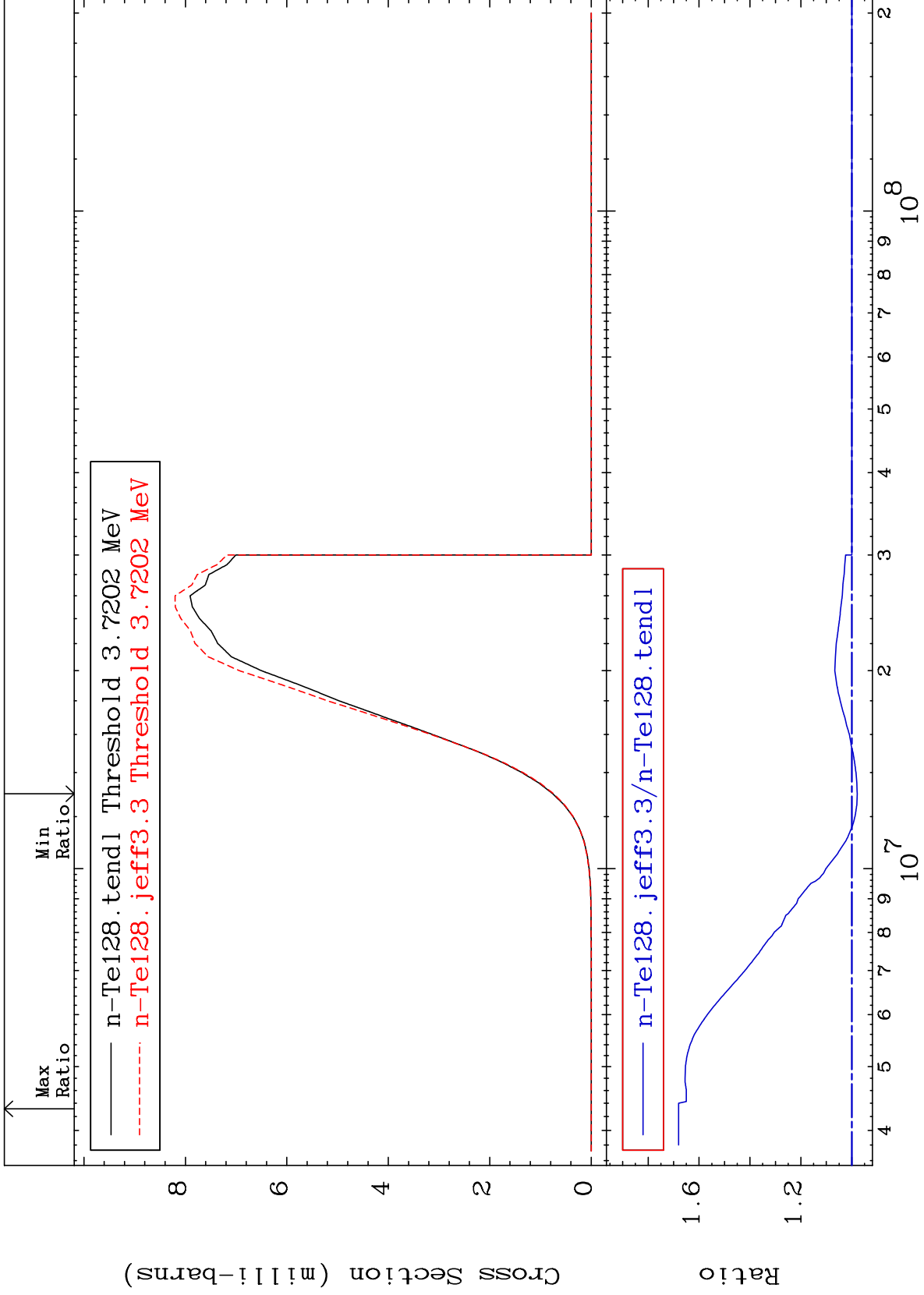
MAT 5249

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

52-Te-128

Radionuclide Production Cross Section

-2.143 To 68.02 %

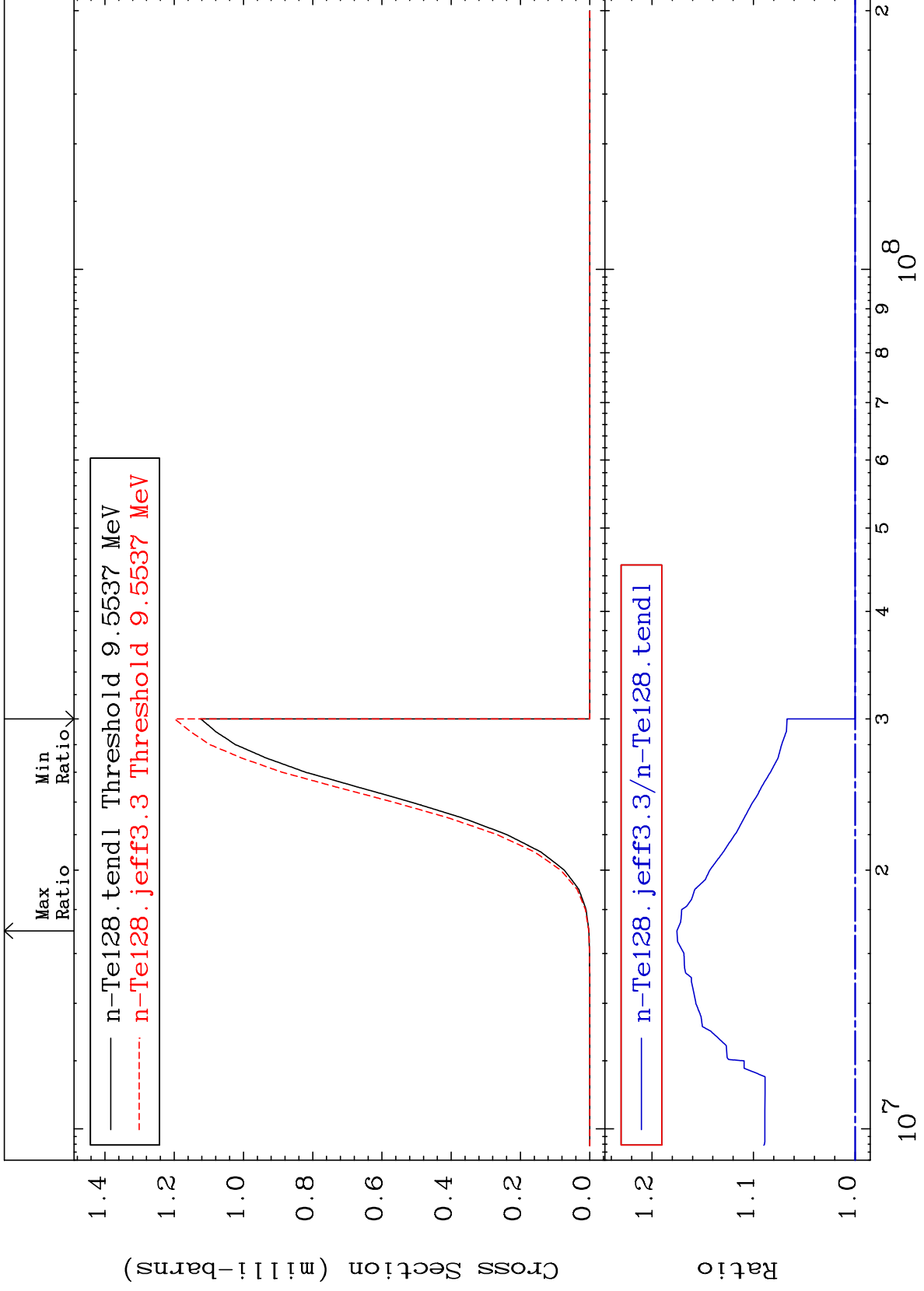


MAT 5249

(n, t):51-Sb-126g

52-Te-128
To 17.54 %

Radionuclide Production Cross Section 0.000



91

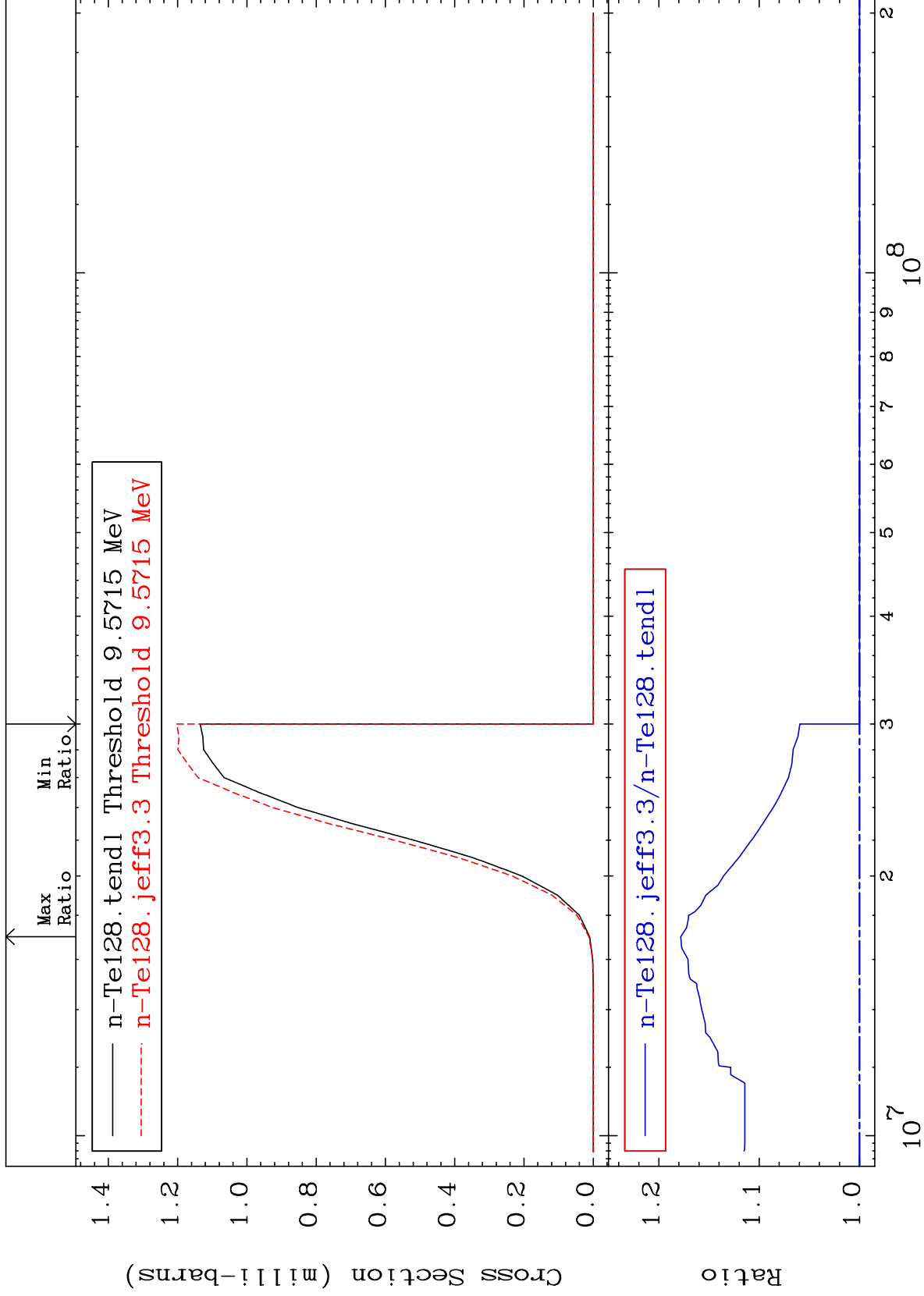
52-Te-128

MAT 5249

(n, t) : 51-Sb-126m1

52-Te-128

Radionuclide Production Cross Section 0.000 To 17.82 %



92

Incident Energy (eV)

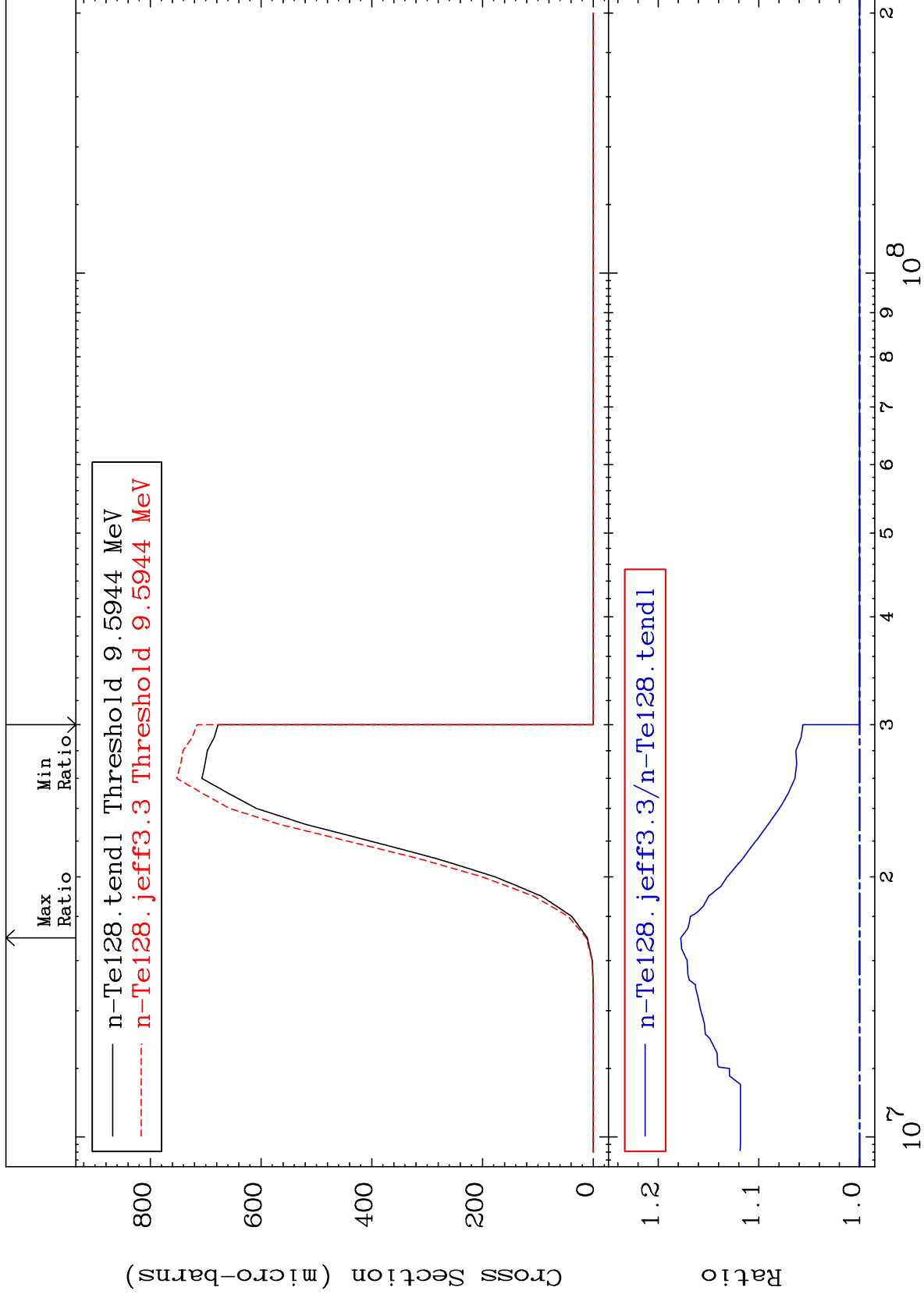
52-Te-128

MAT 5249

(n, t) : 51-Sb-126m2

52-Te-128

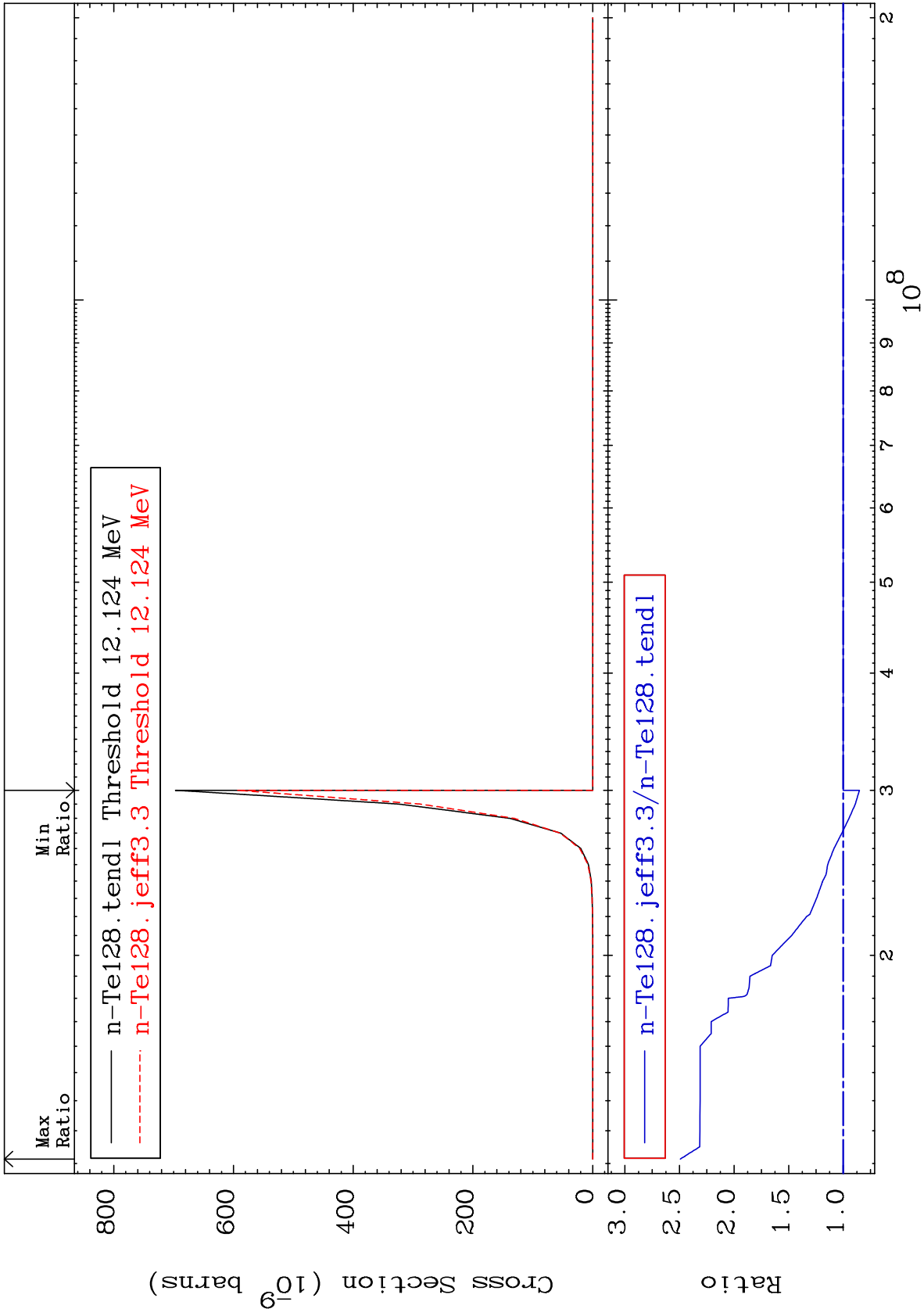
Radionuclide Production Cross Section 0.000 To 17.75 %



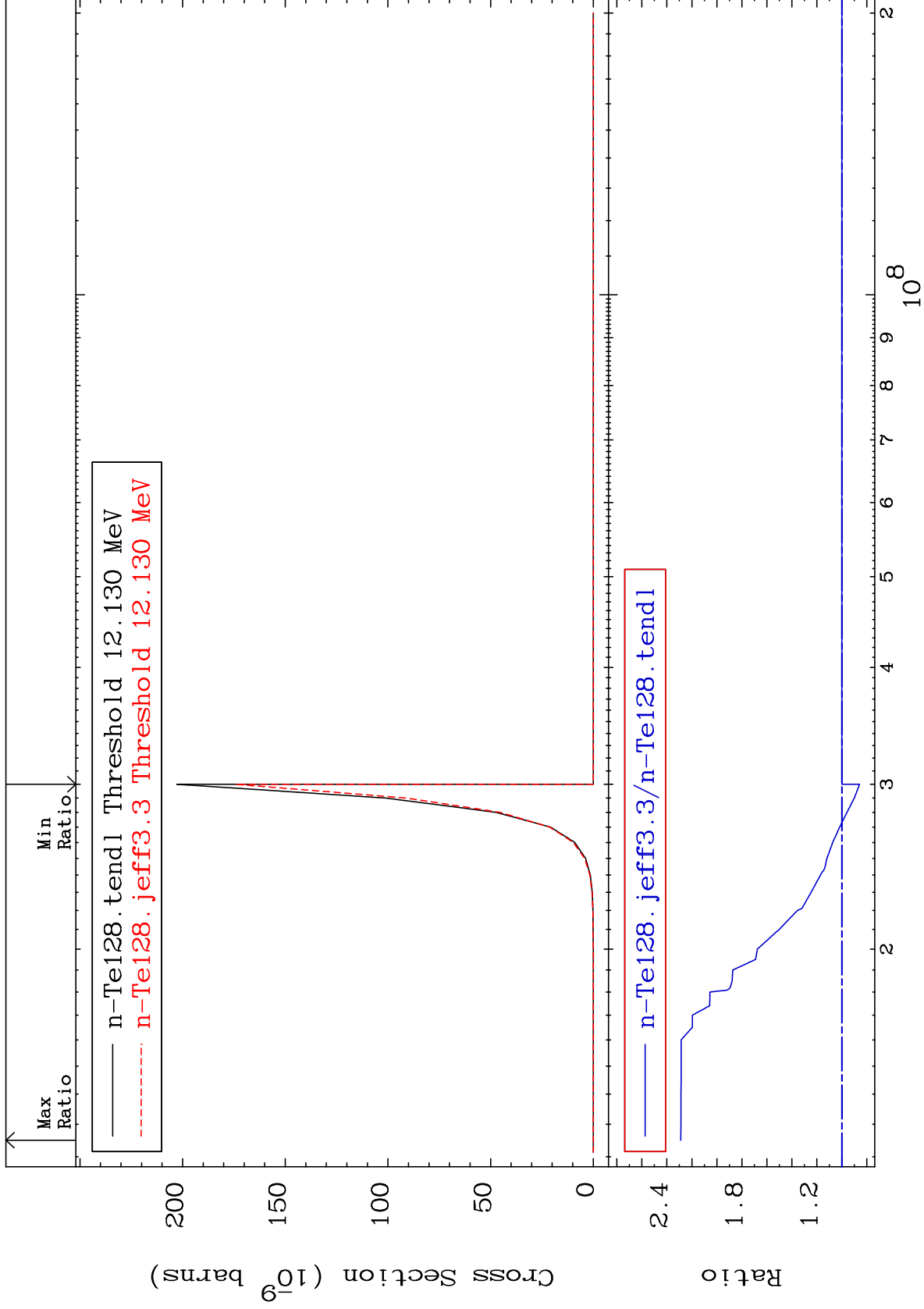
93

Incident Energy (eV)

52-Te-128



Radionuclide Production Cross Section -14.11 To 128.9 %



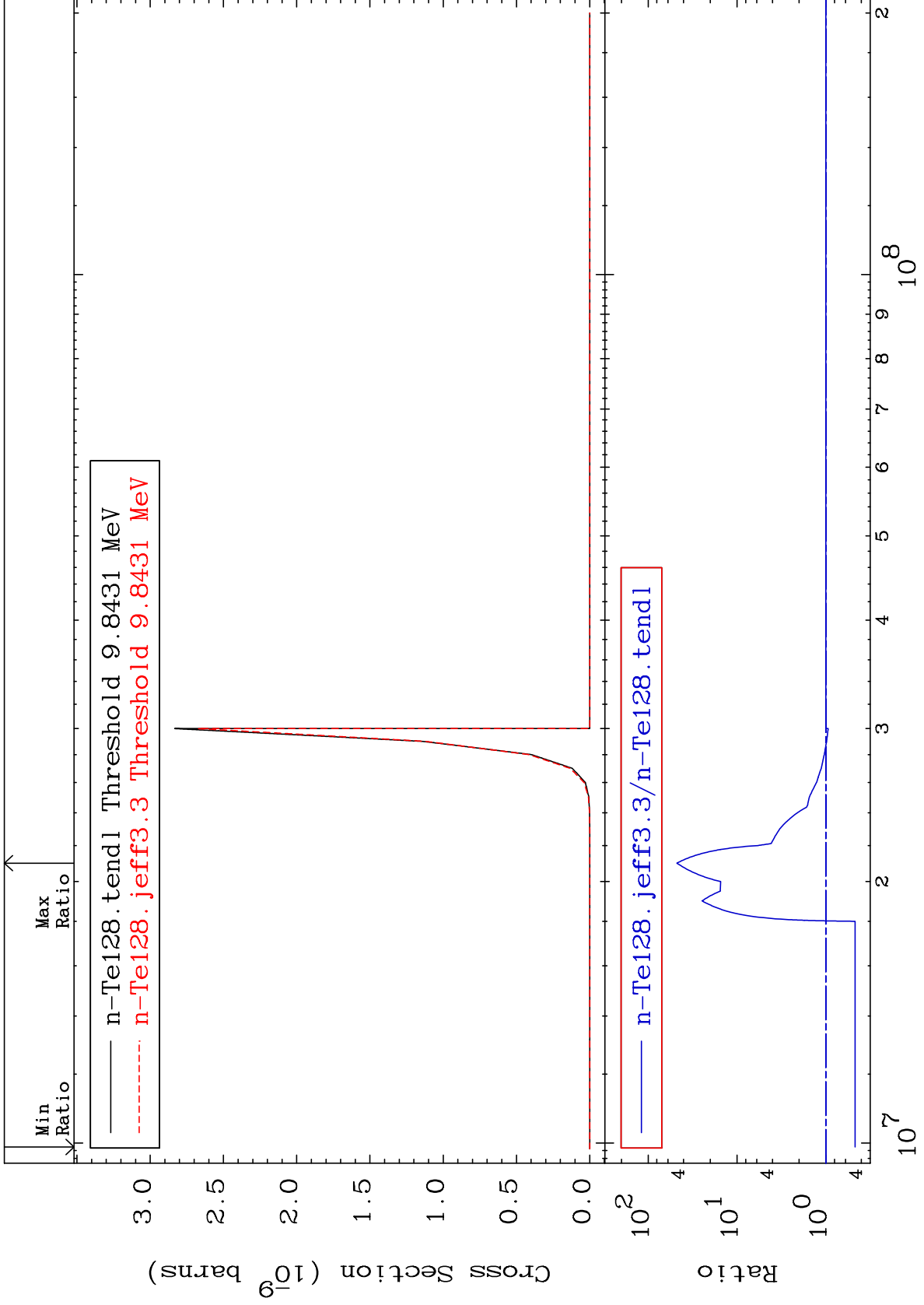
MAT 5249

(n, p) α : 49-In-124g

52-Te-128

Radionuclide Production Cross Section

-53.04 To 4652. %



96

Incident Energy (eV)

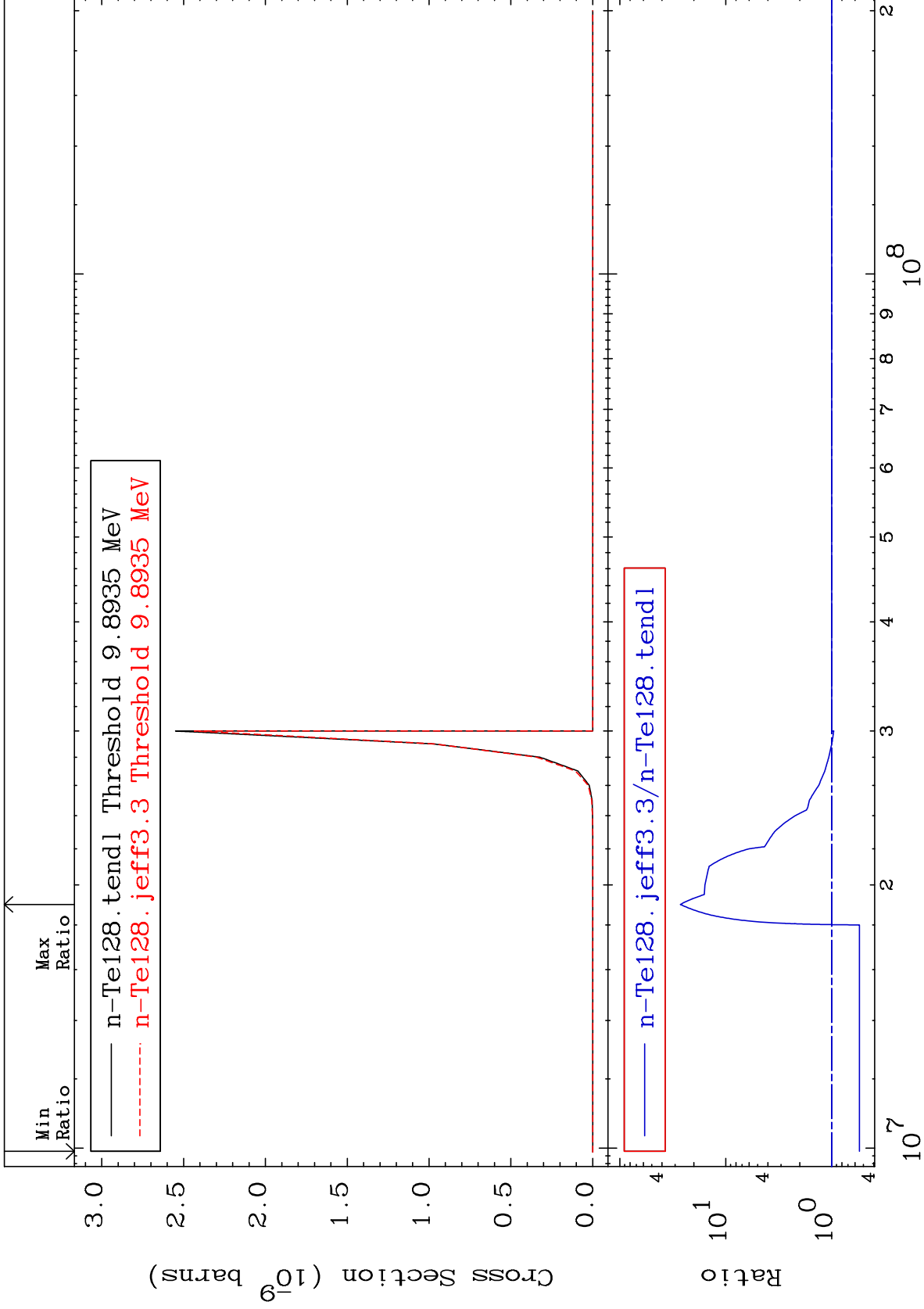
52-Te-128

MAT 5249

(n,p) α :49-In-124m2

52-Te-128

Radionuclide Production Cross Section -45.40 To 2582. %



97

Incident Energy (eV)

52-Te-128