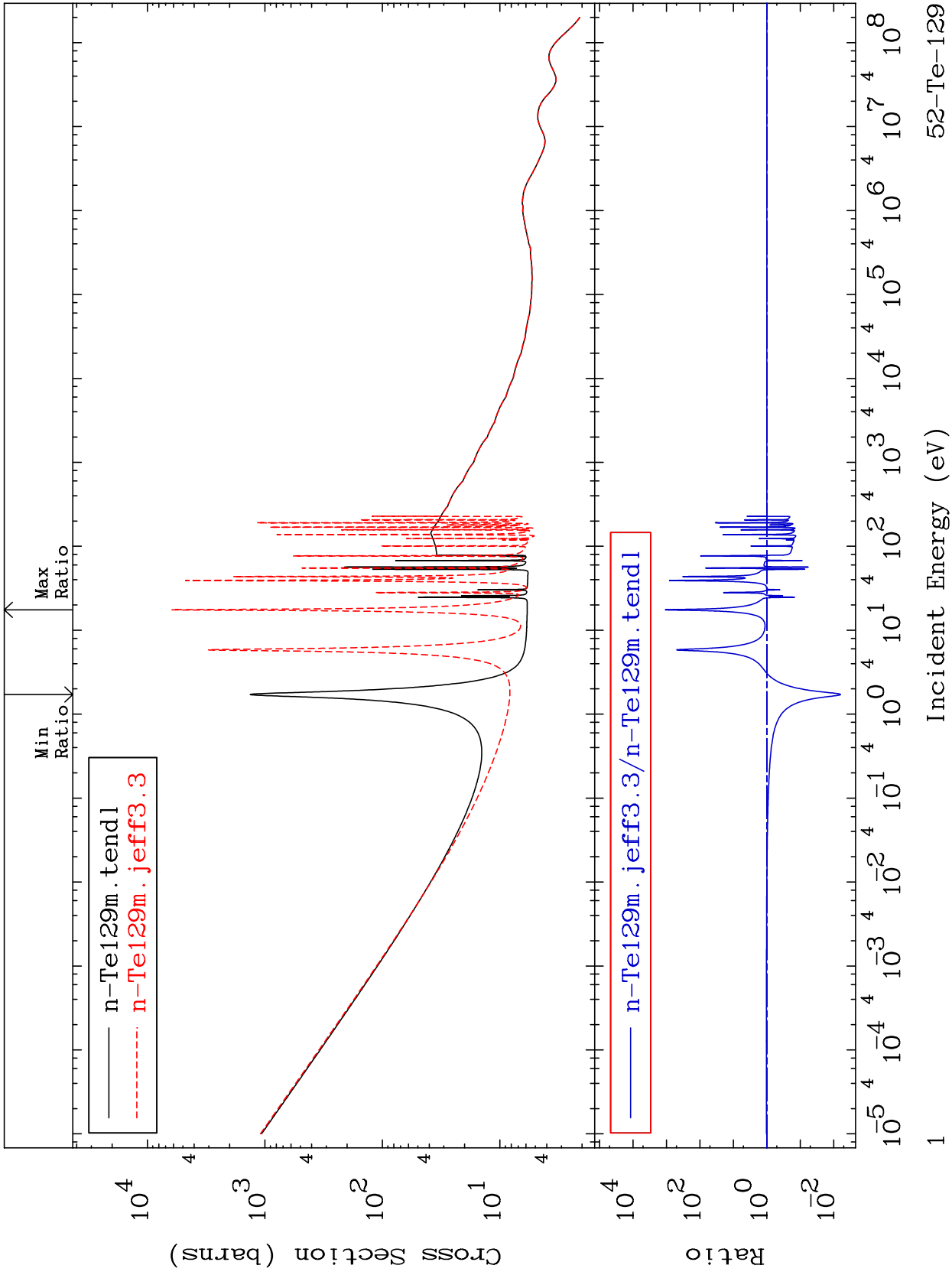


MAT 5253

Total Cross Section  
52-Te-129  
-99.38 To 9999. %



52-Te-129

Incident Energy (eV)

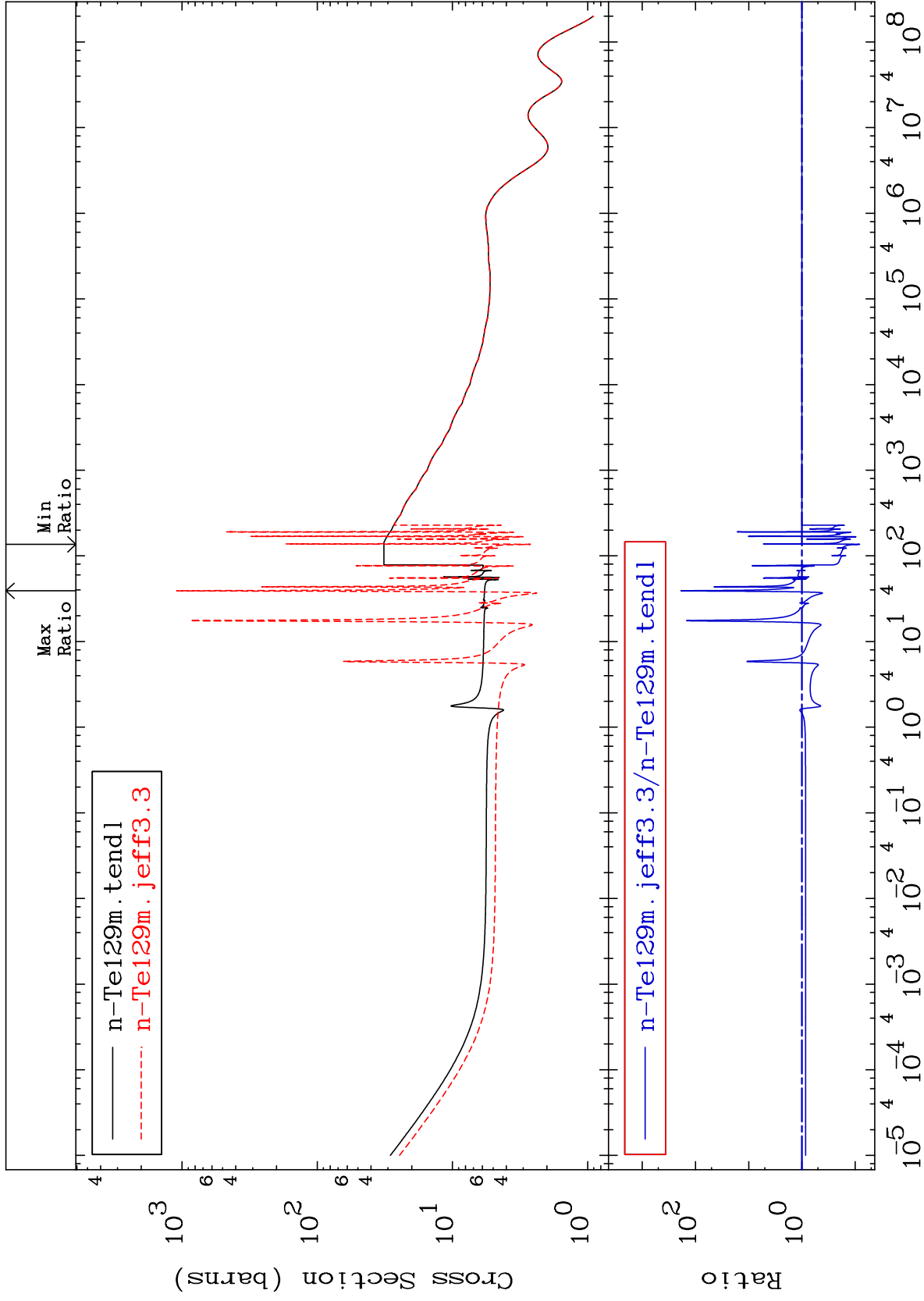
MAT 5253

Elastic

52-Te-129

Cross Section

-91.73 To 9999. %



2

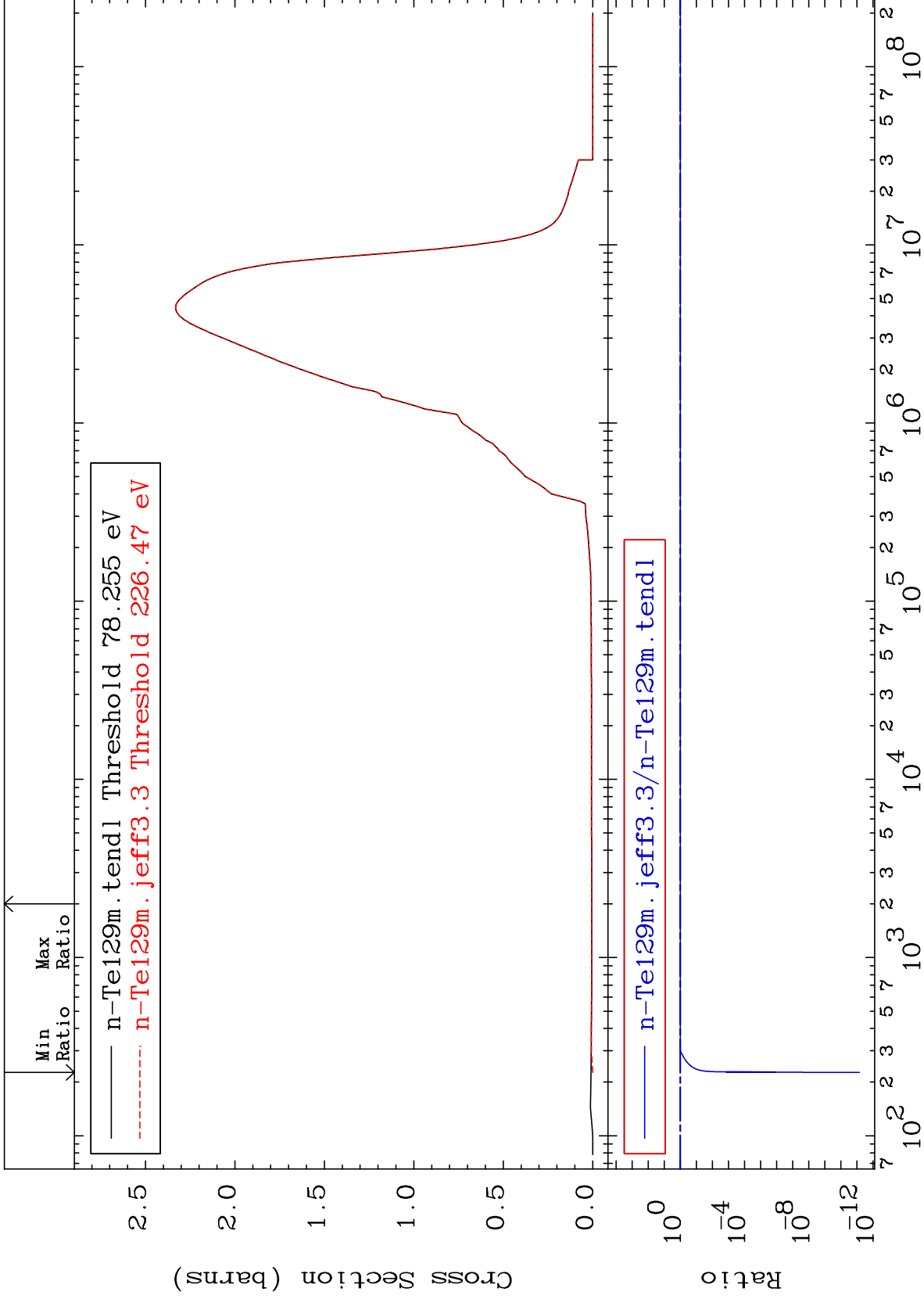
Incident Energy (eV)

52-Te-129

MAT 5253

Inelastic  
Cross Section

52-Te-129  
-100.0 To 0.002 %



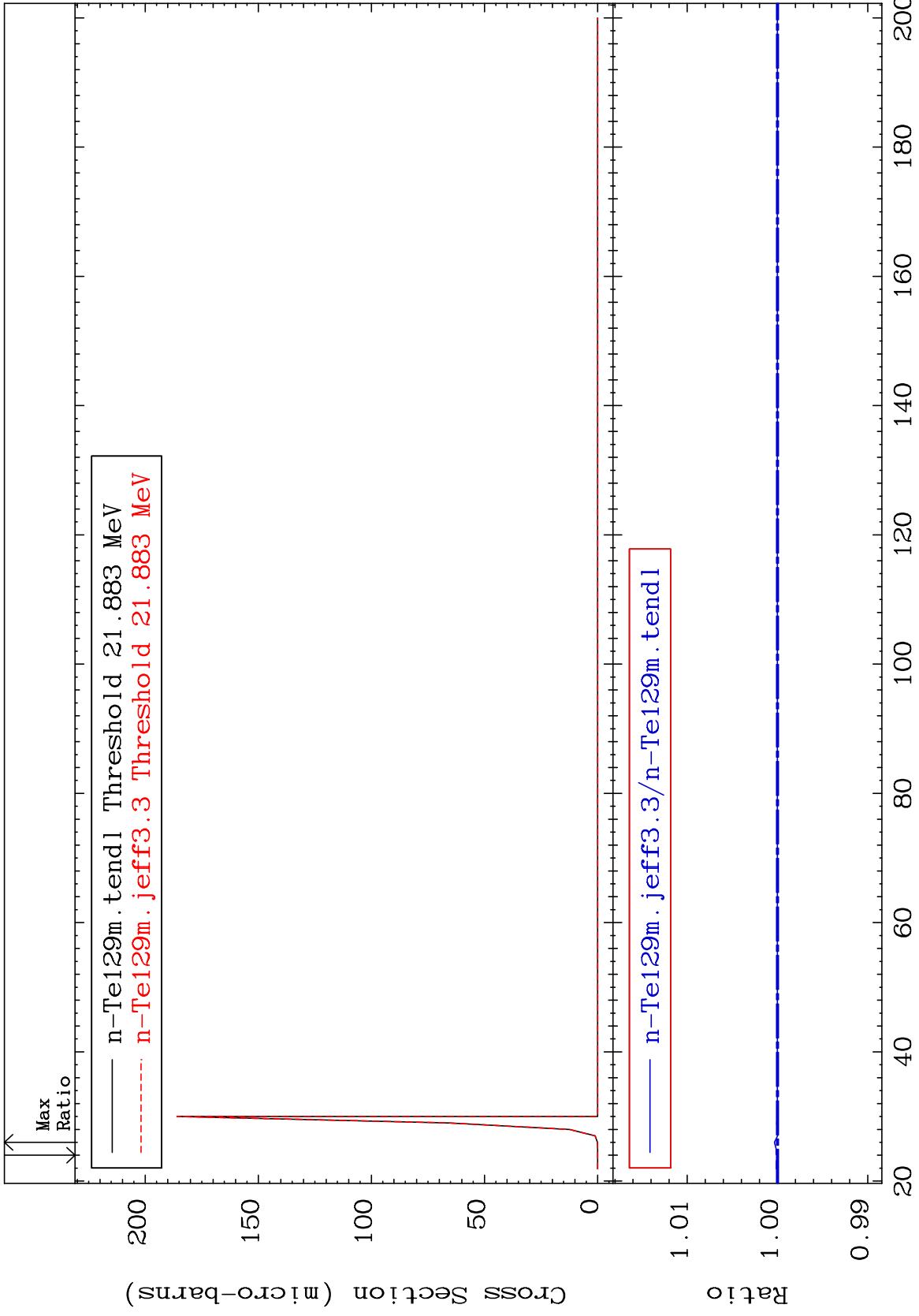
52-Te-129

3

MAT 5253

(n,2n) d  
Cross Section

52-Te-129  
-0.006 To 0.033 %



MAT 5253

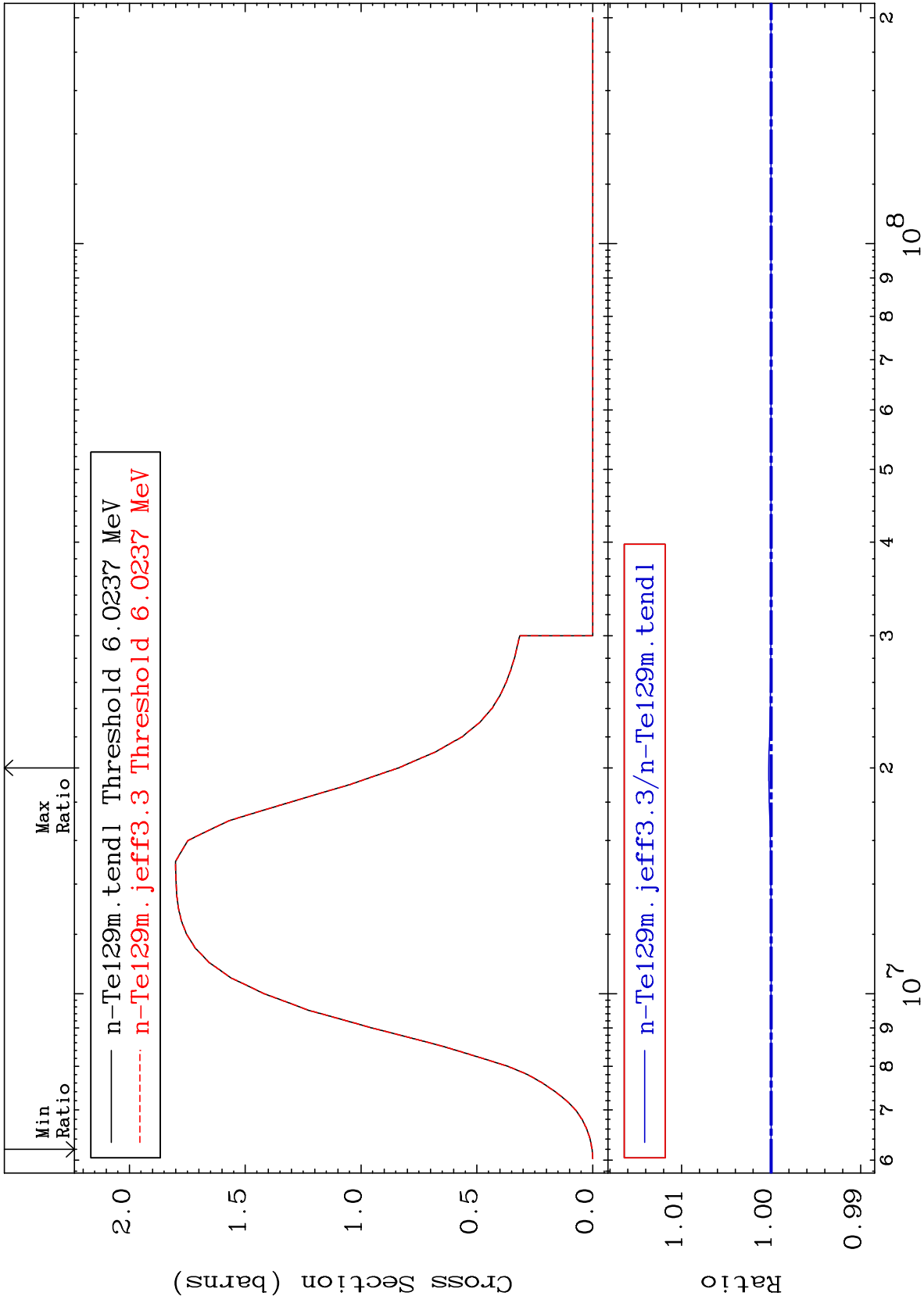
(n,2n)

52-Te-129

Cross Section

0.000

To 0.027 %



52-Te-129

52-Te-129

5

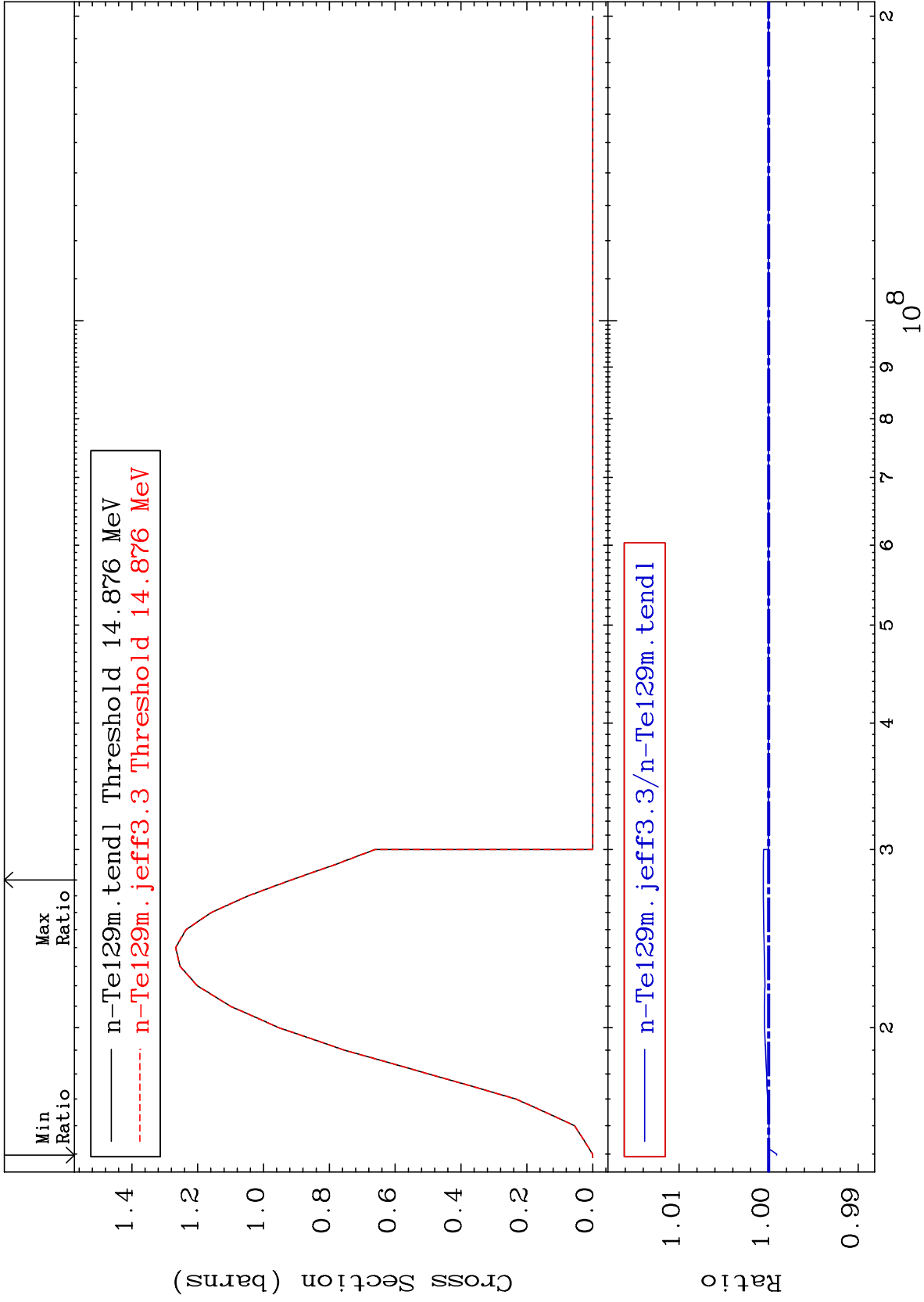
MAT 5253

(n,3n)

52-Te-129

Cross Section

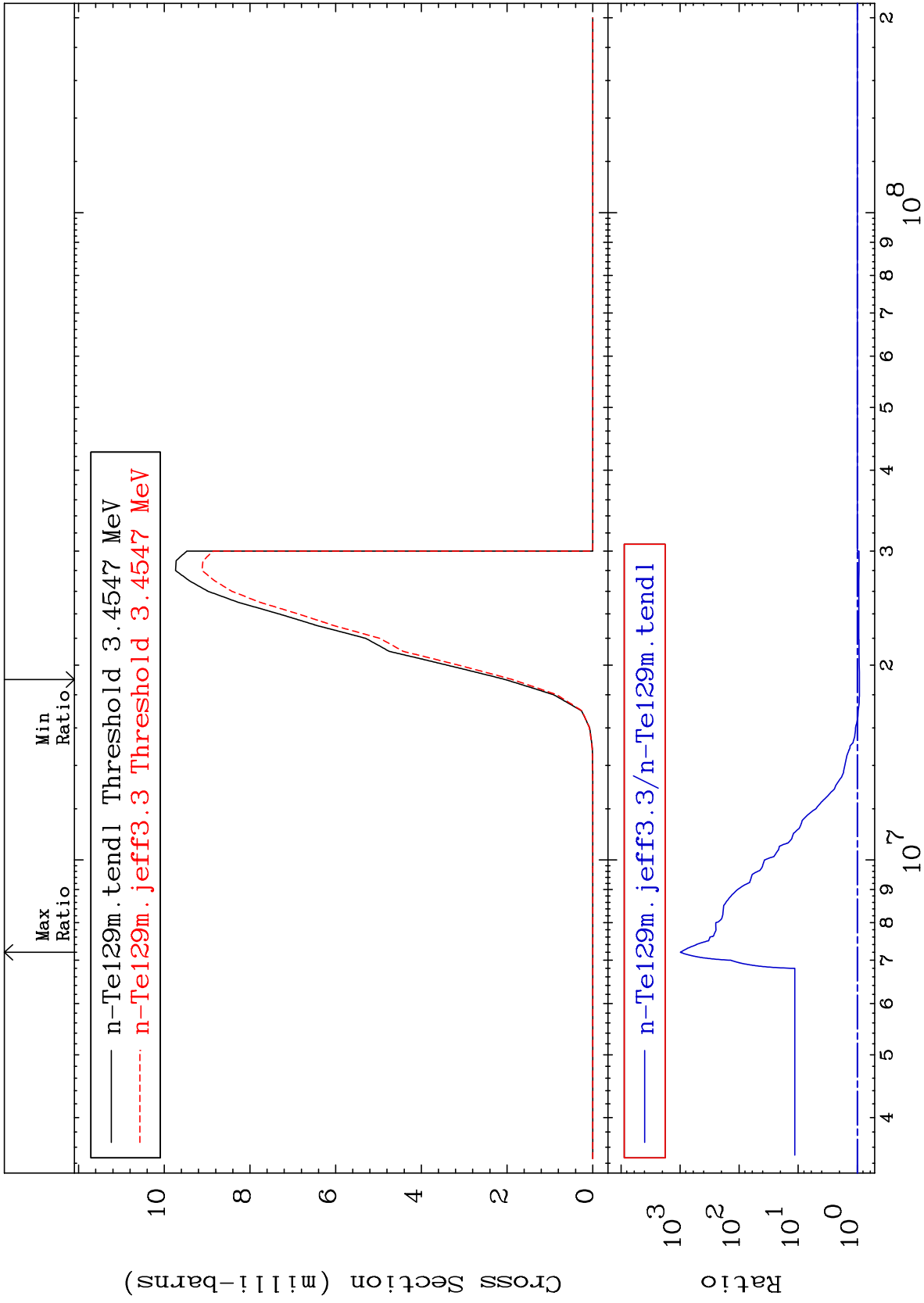
-0.089 To 0.060 %



MAT 5253

(n, n')  $\alpha$   
Cross Section

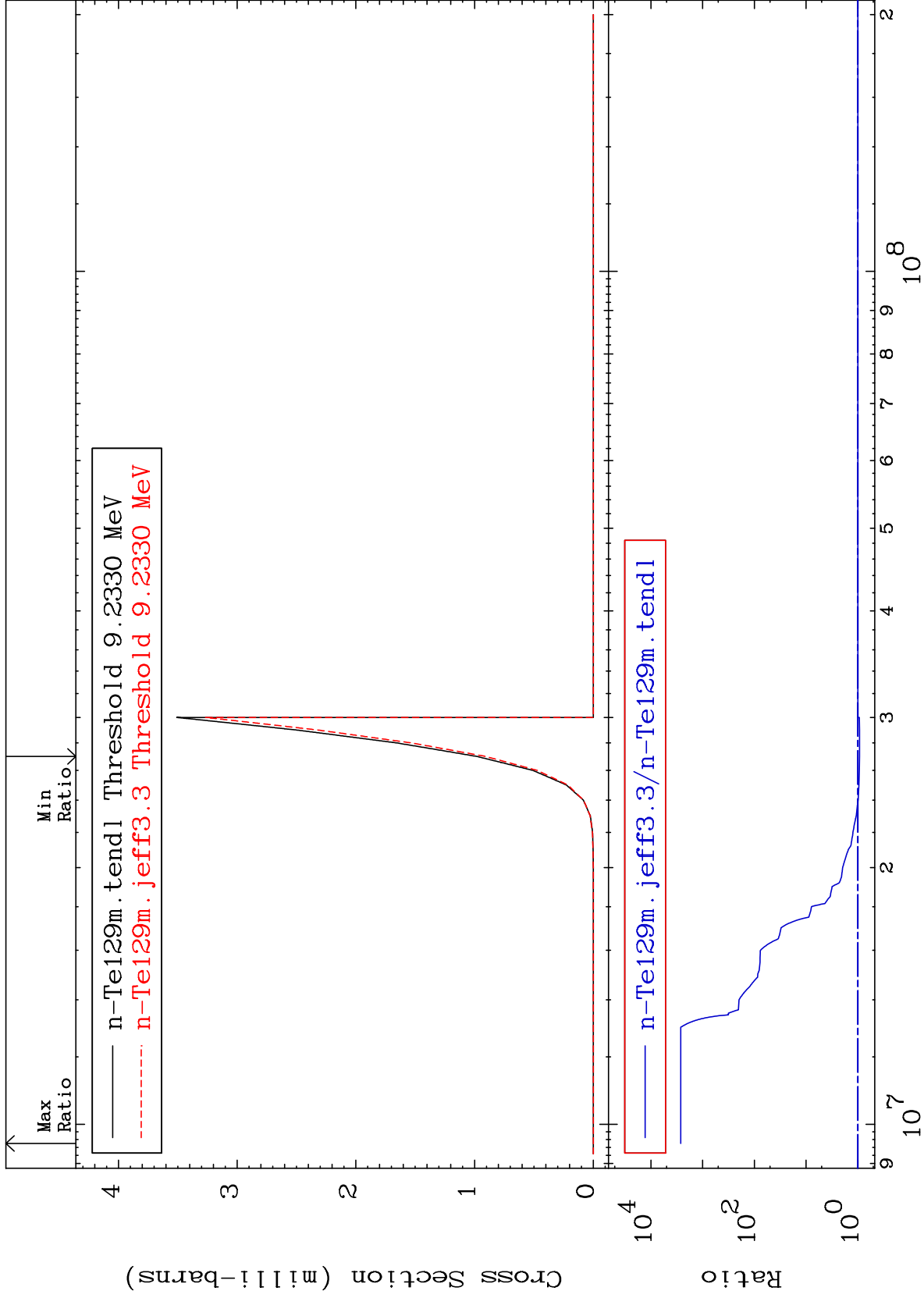
52-Te-129  
-8.169 To 9999. %



MAT 5253

(n,2n)  $\alpha$   
Cross Section

52-Te-129  
-7.527 To 9999. %



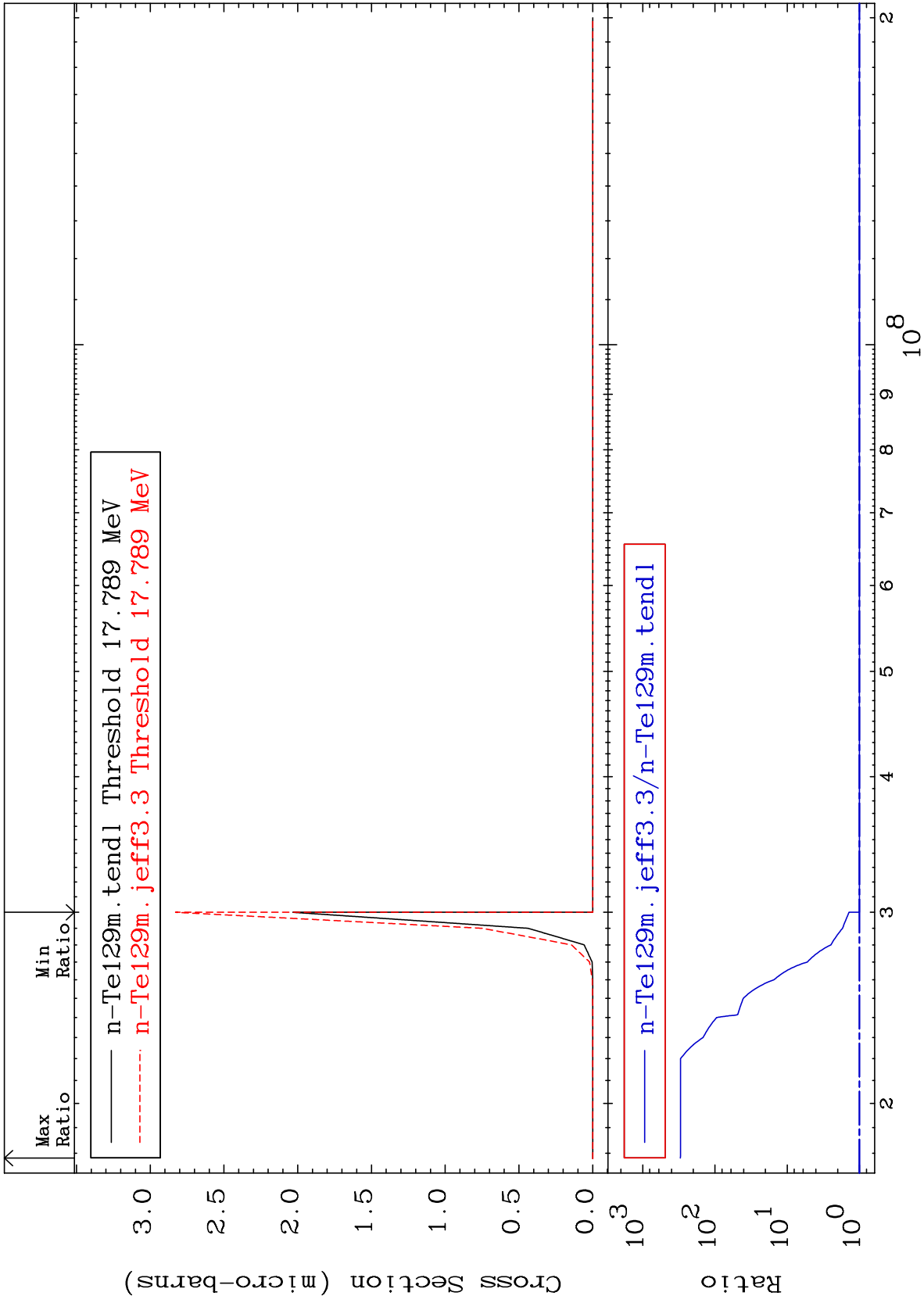
52-Te-129



MAT 5253

(n,3n)  $\alpha$   
Cross Section

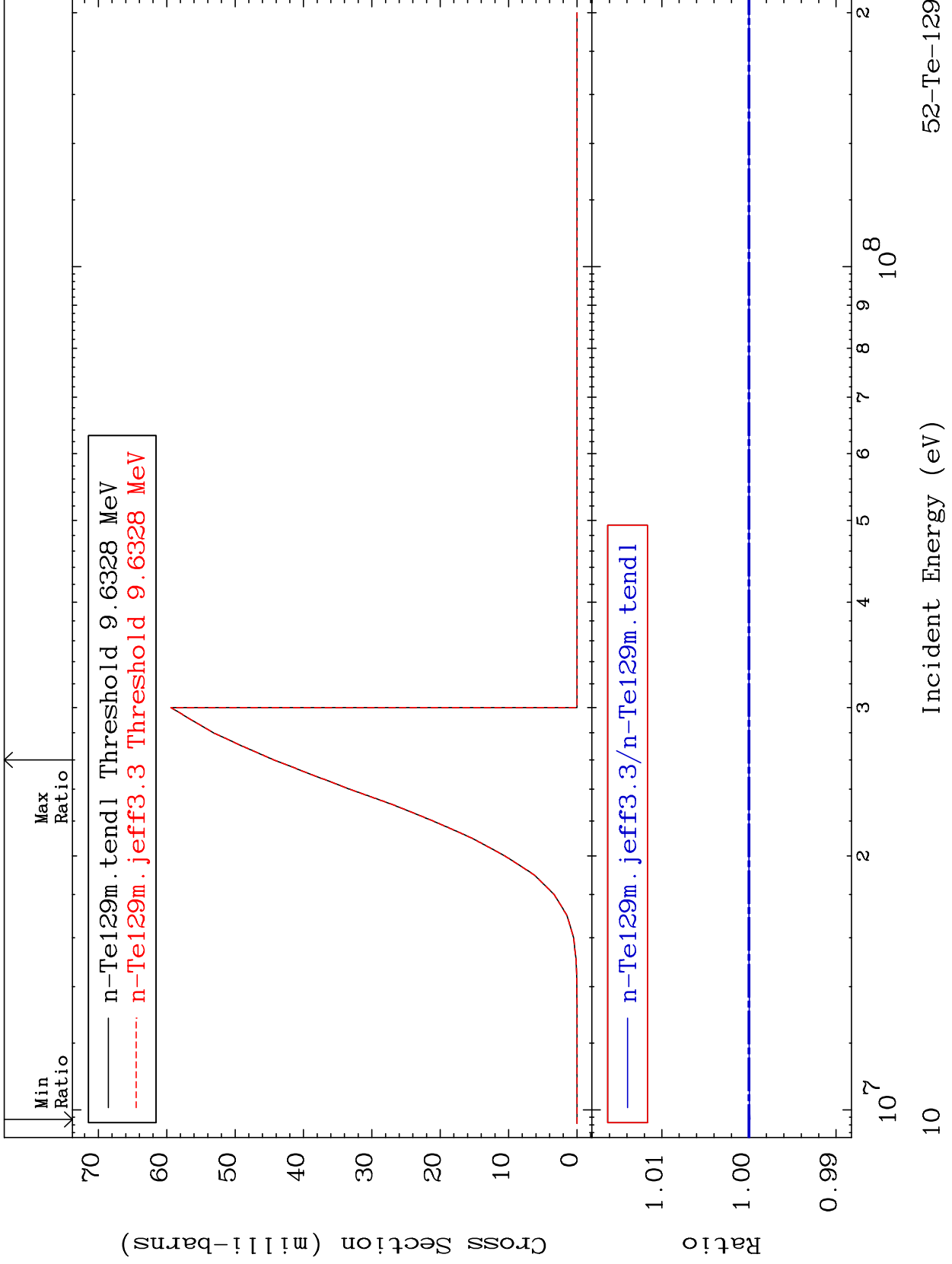
52-Te-129  
To 9999. %



MAT 5253

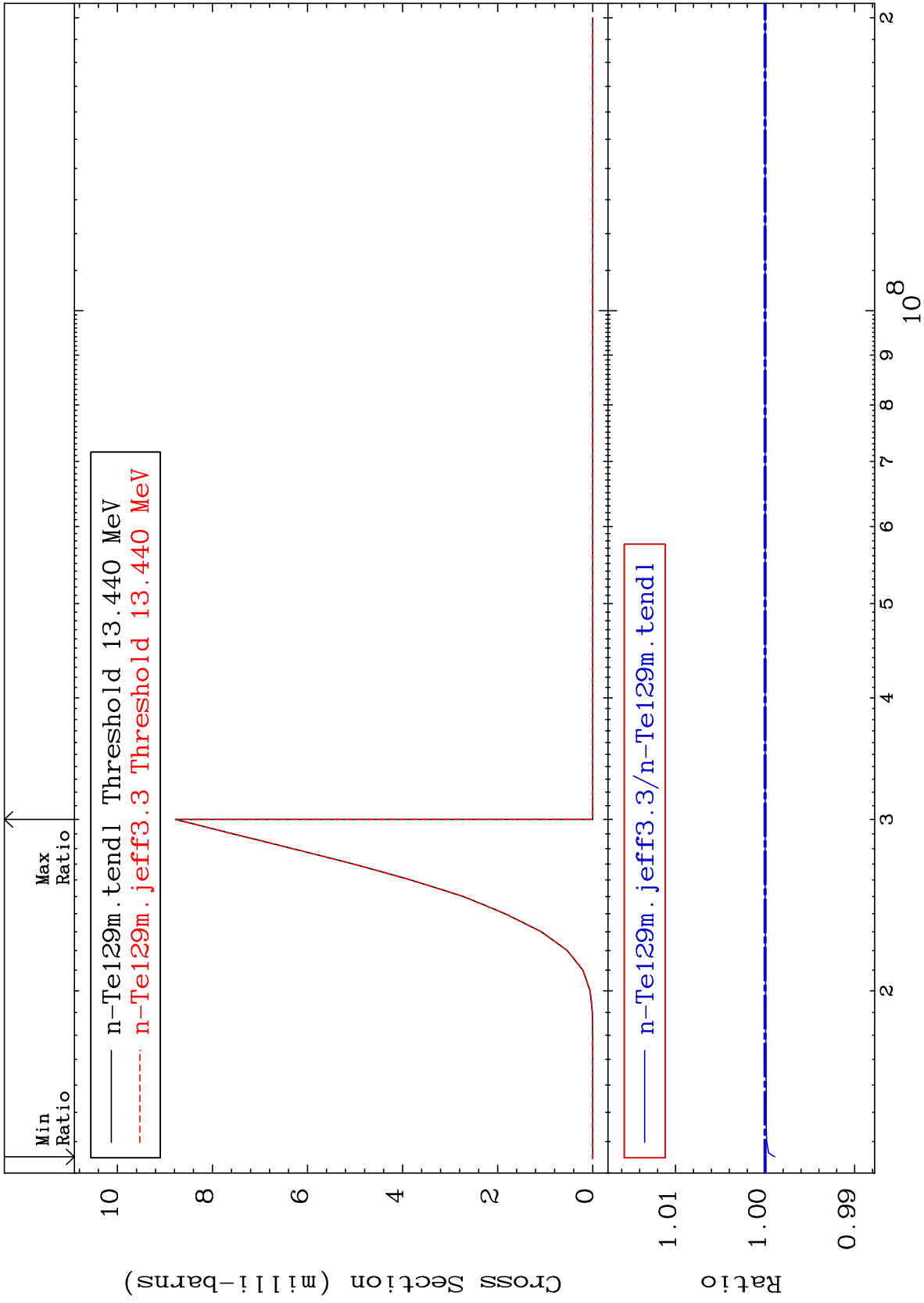
(n,n') p  
Cross Section

52-Te-129  
-0.013 To 0.000 %



Incident Energy (eV)

52-Te-129



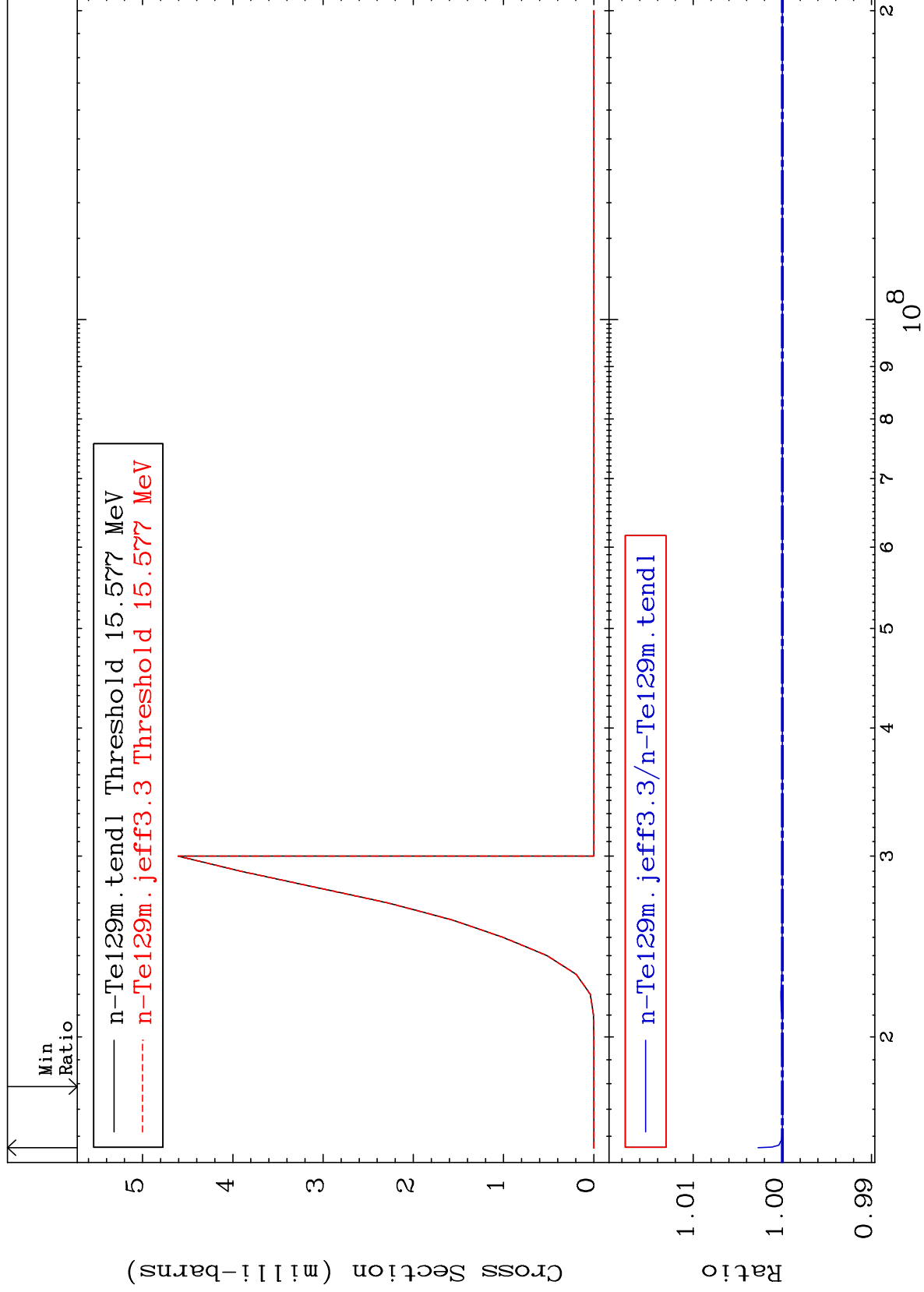
MAT 5253

(n,n') t

52-Te-129

Cross Section

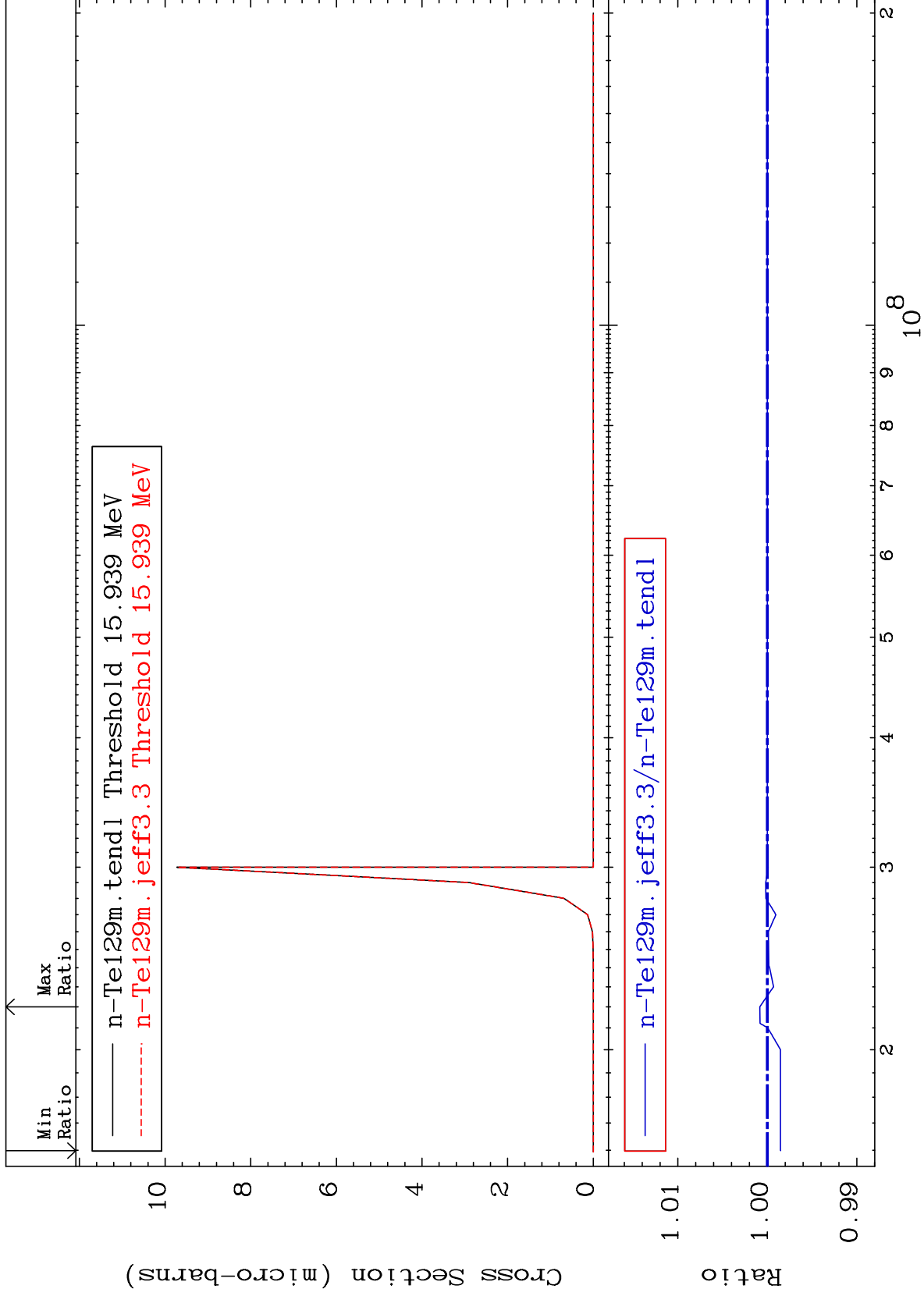
-0.006 To 0.273 %



MAT 5253

(n, n') He-3  
Cross Section

52-Te-129  
-0.148 To 0.084 %



MAT 5253

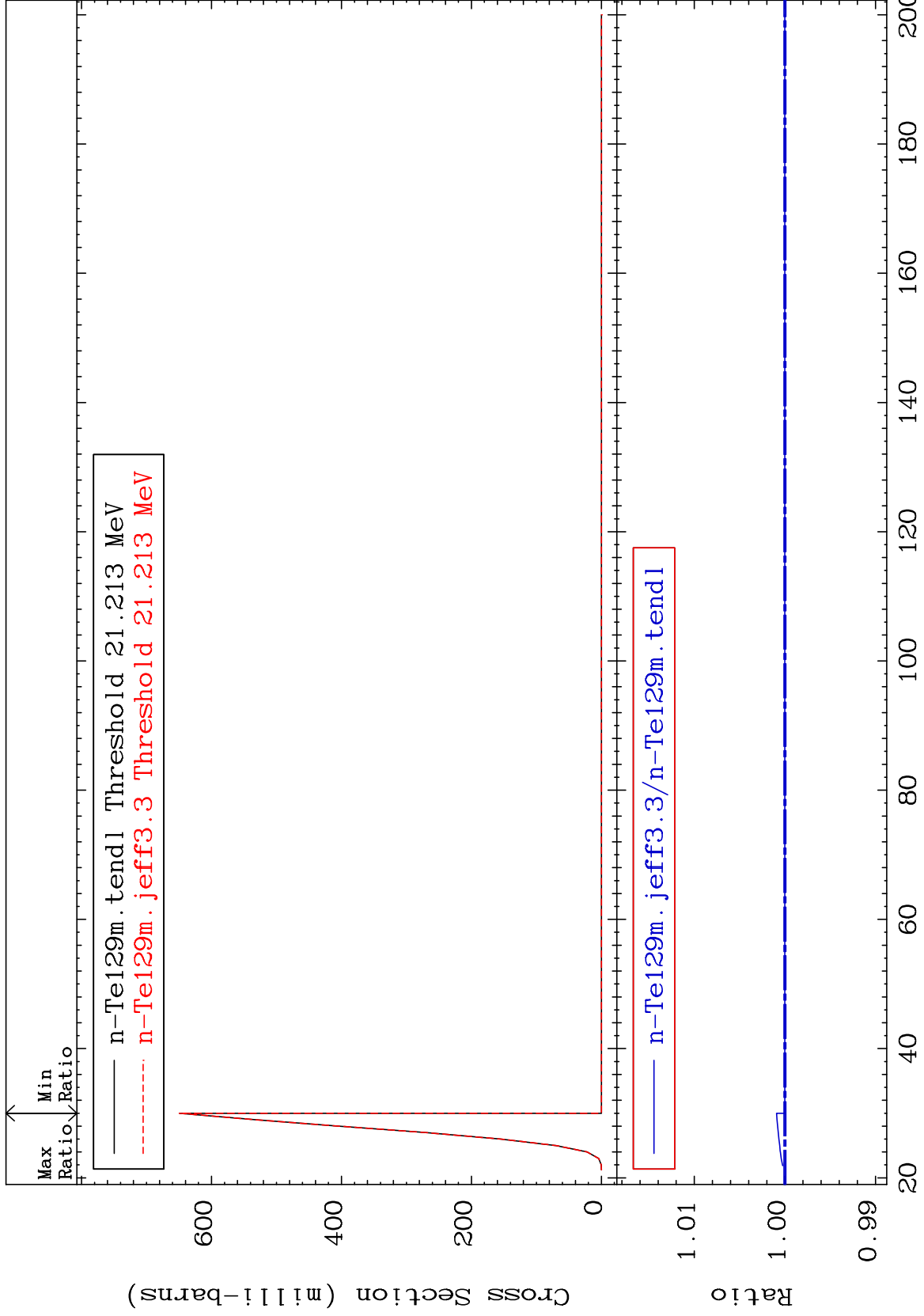
(n,4n)

52-Te-129

Cross Section

0.000

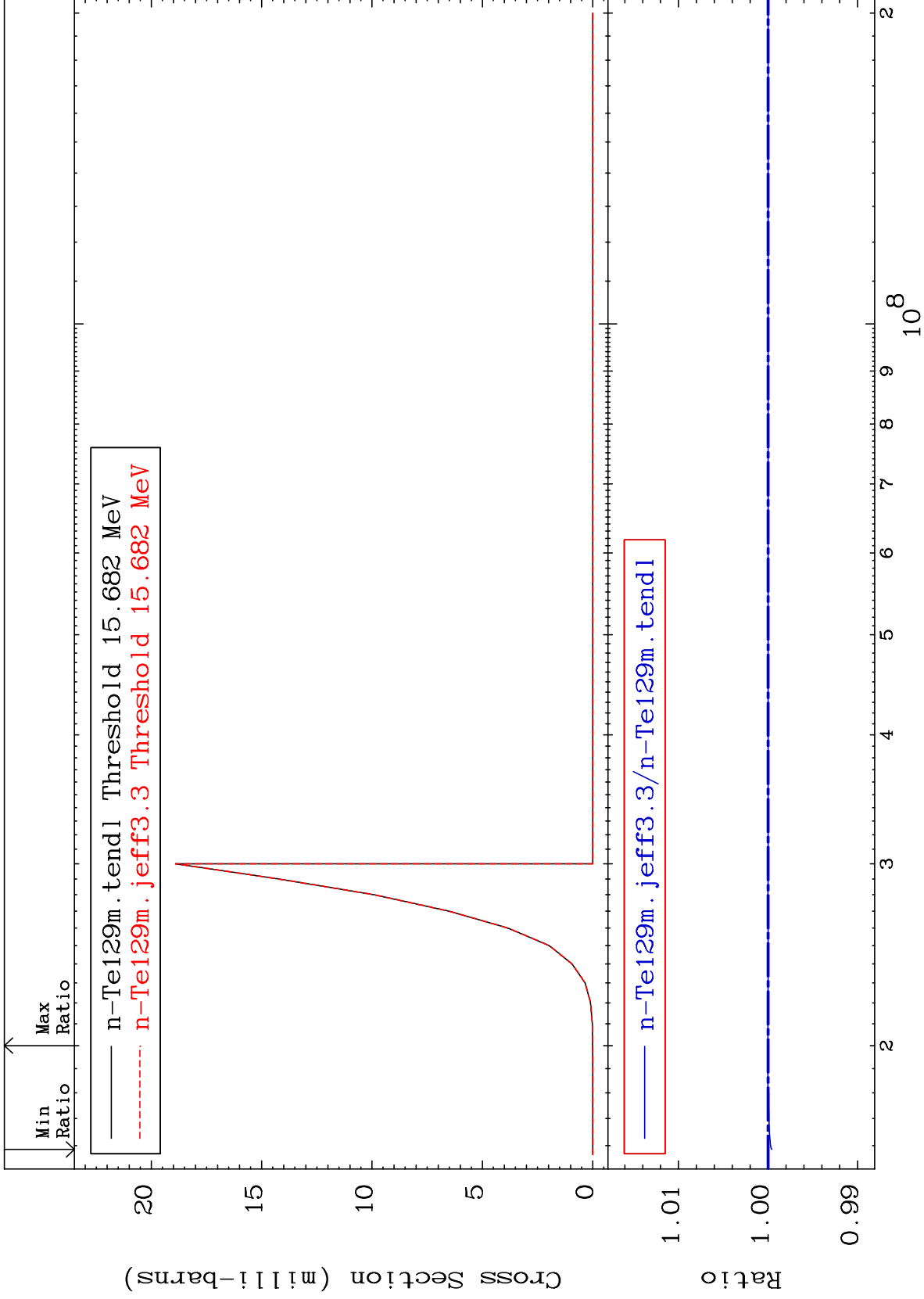
To 0.092 %



MAT 5253

(n,2n) p  
Cross Section

52-Te-129  
-0.043 To 0.002 %



15

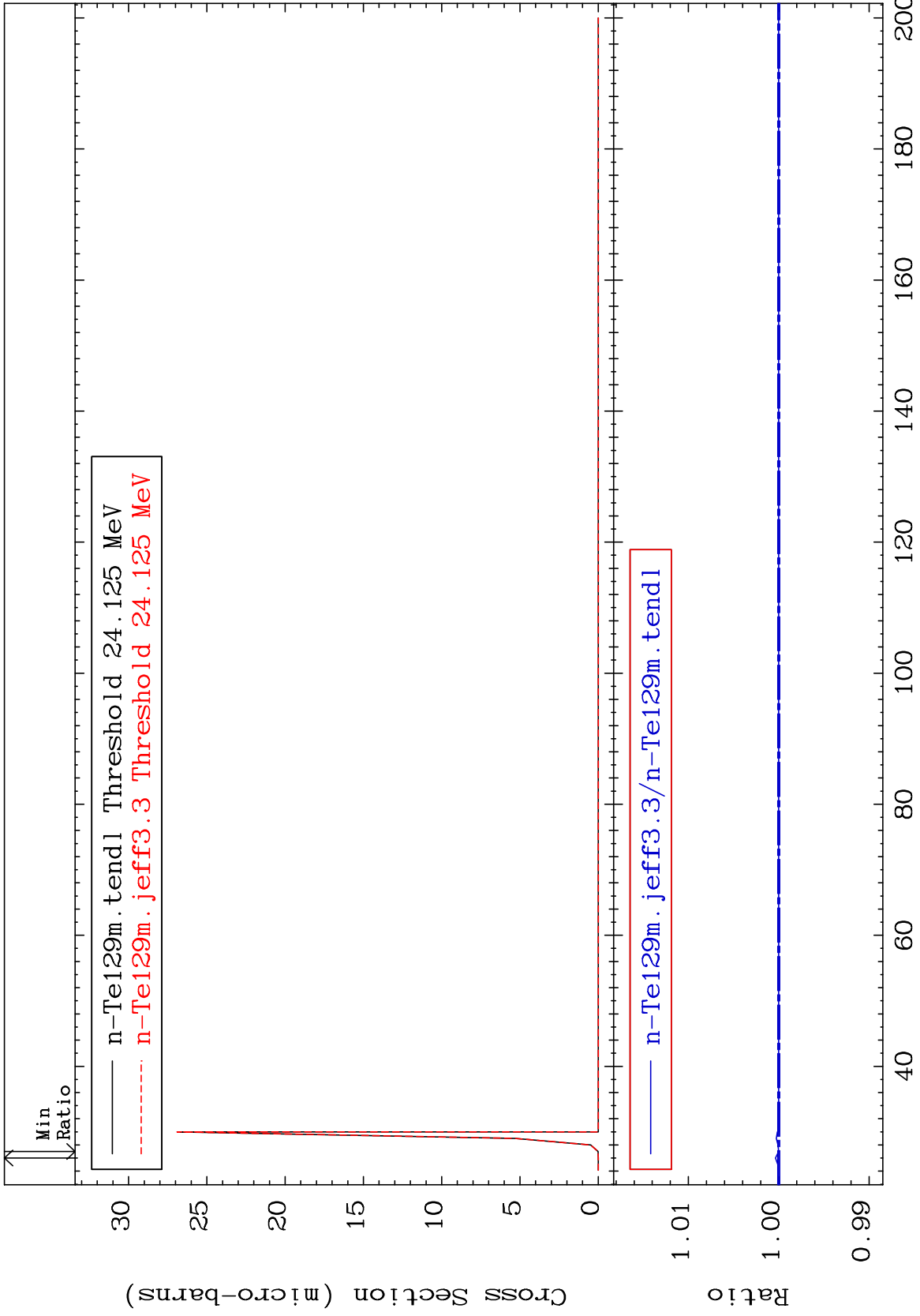
Incident Energy (eV)

52-Te-129

MAT 5253

(n,3n) p  
Cross Section

52-Te-129  
0.000 To 0.036 %



16

Incident Energy (MeV)

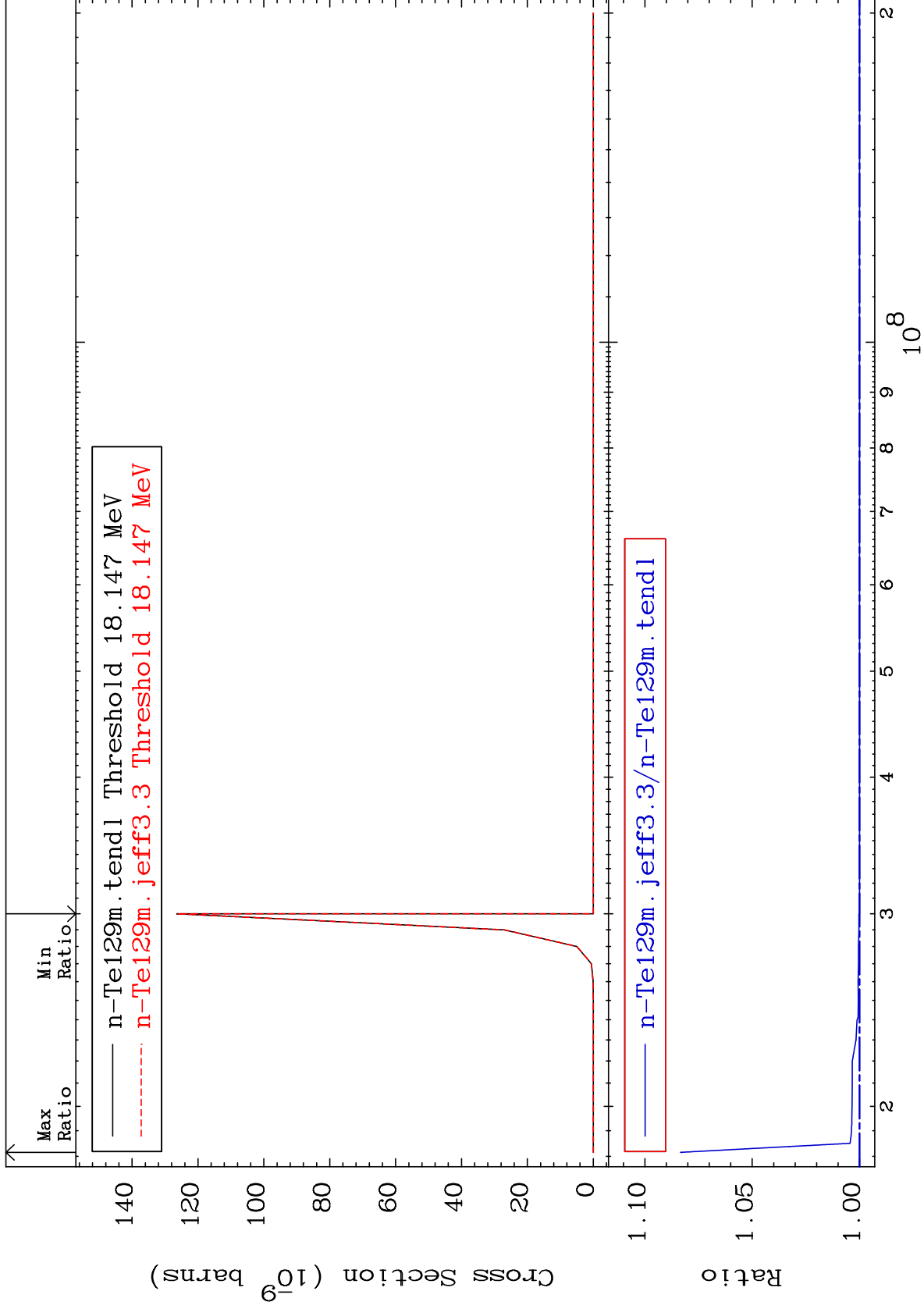
52-Te-129



MAT 5253

(n,2n) p  
Cross Section

52-Te-129  
0.000 To 8.328 %



17

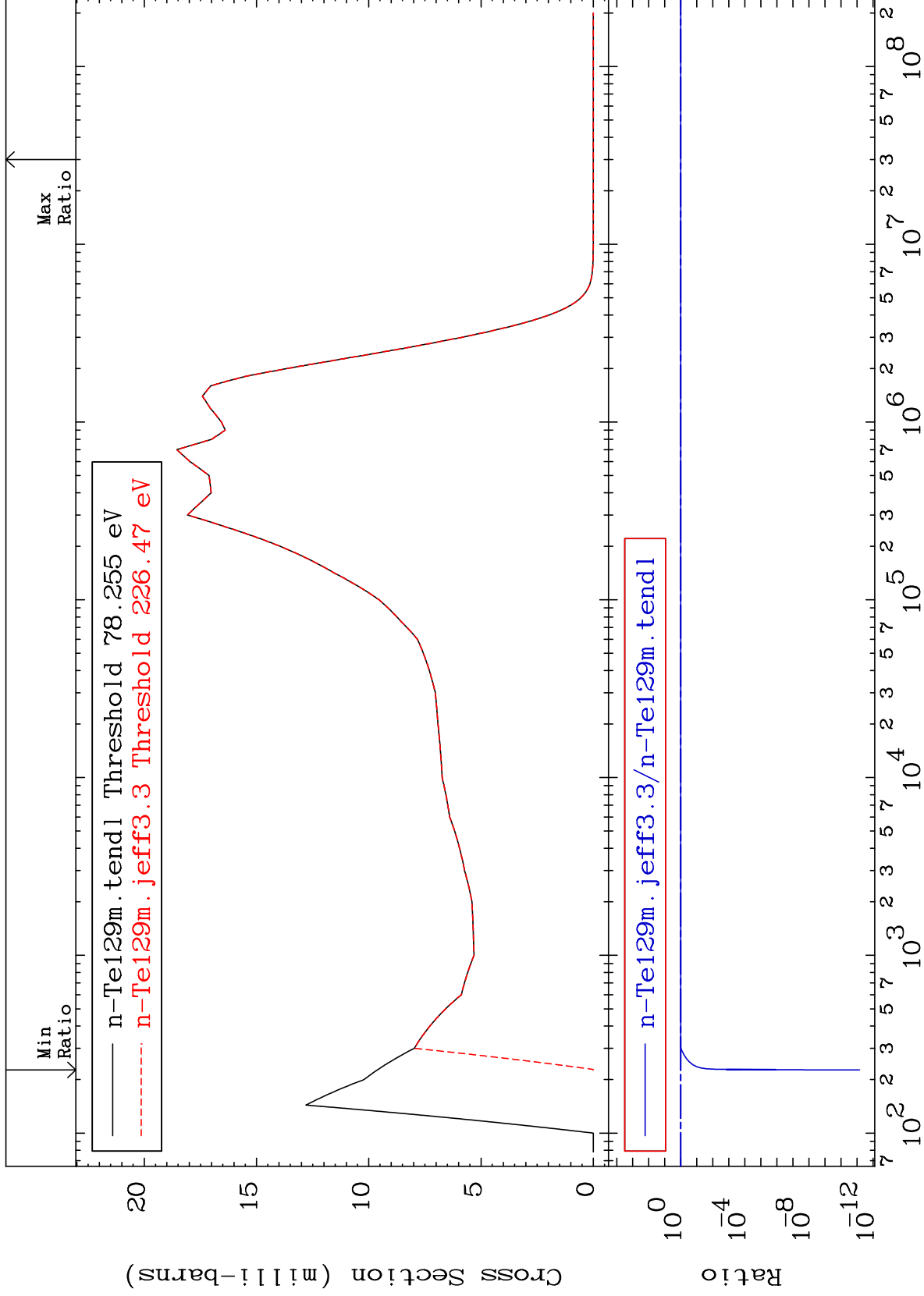
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
-100.0 To 0.105 %



18

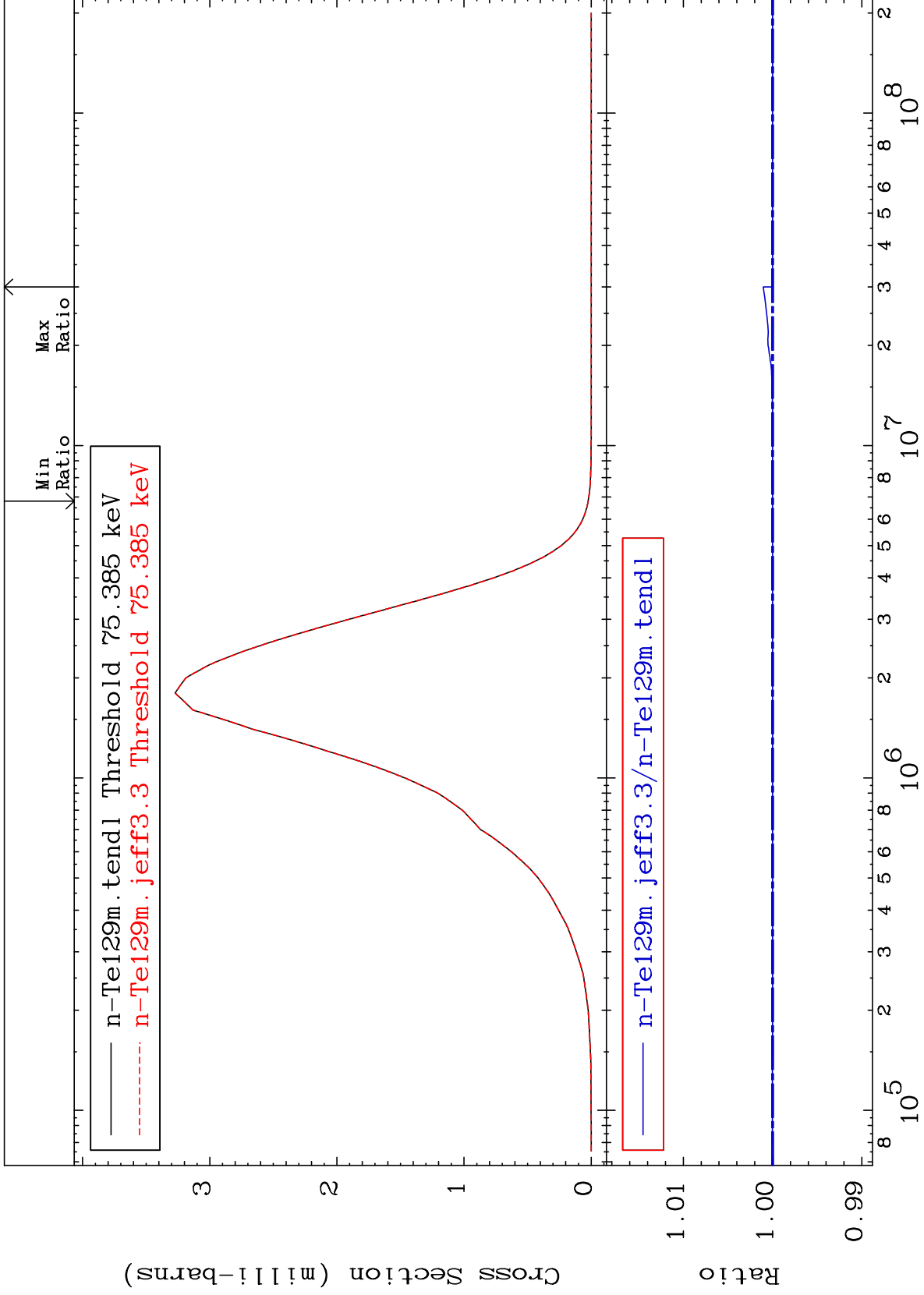
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
To 0.104 %



19

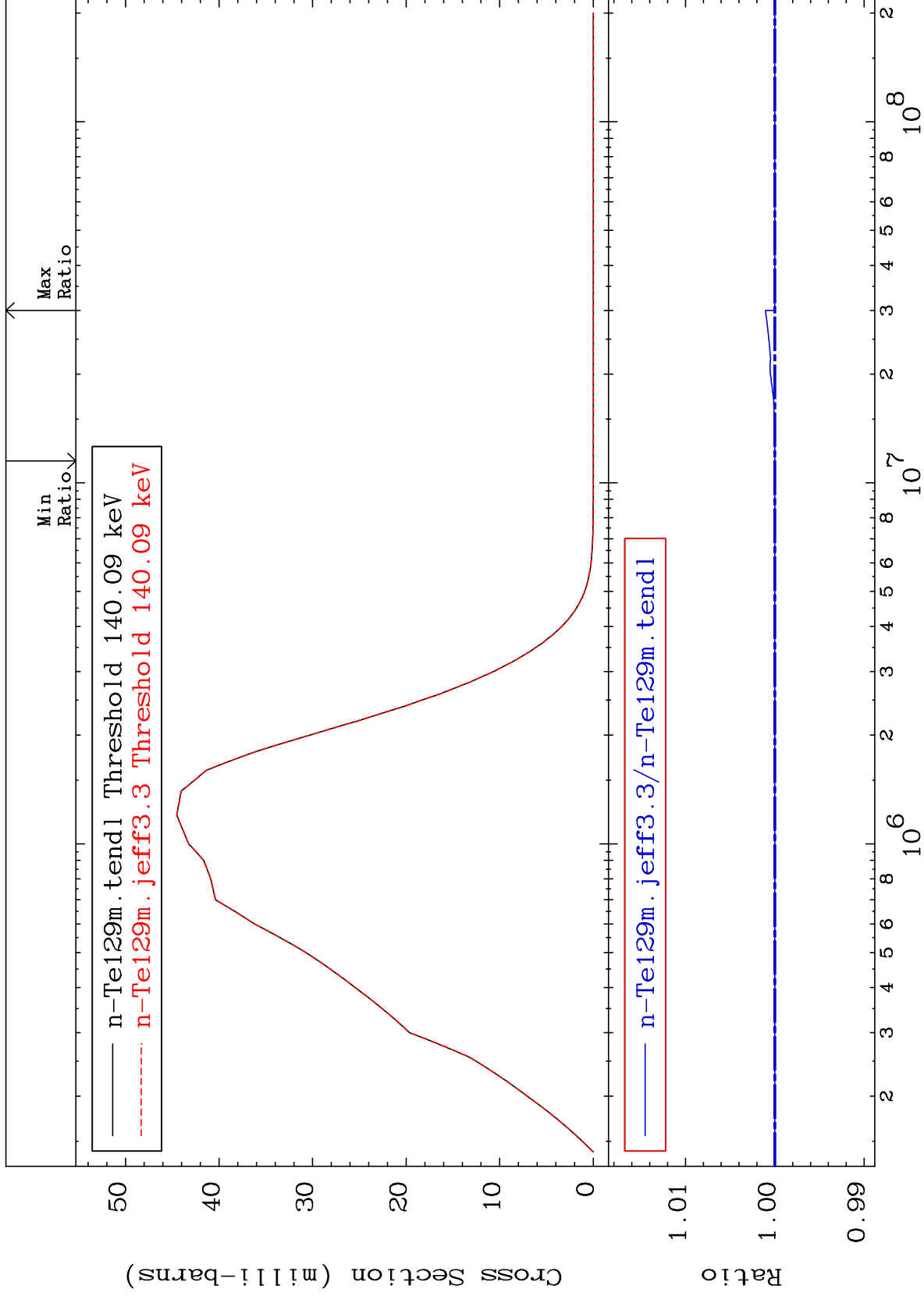
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
To 0.105 %



20

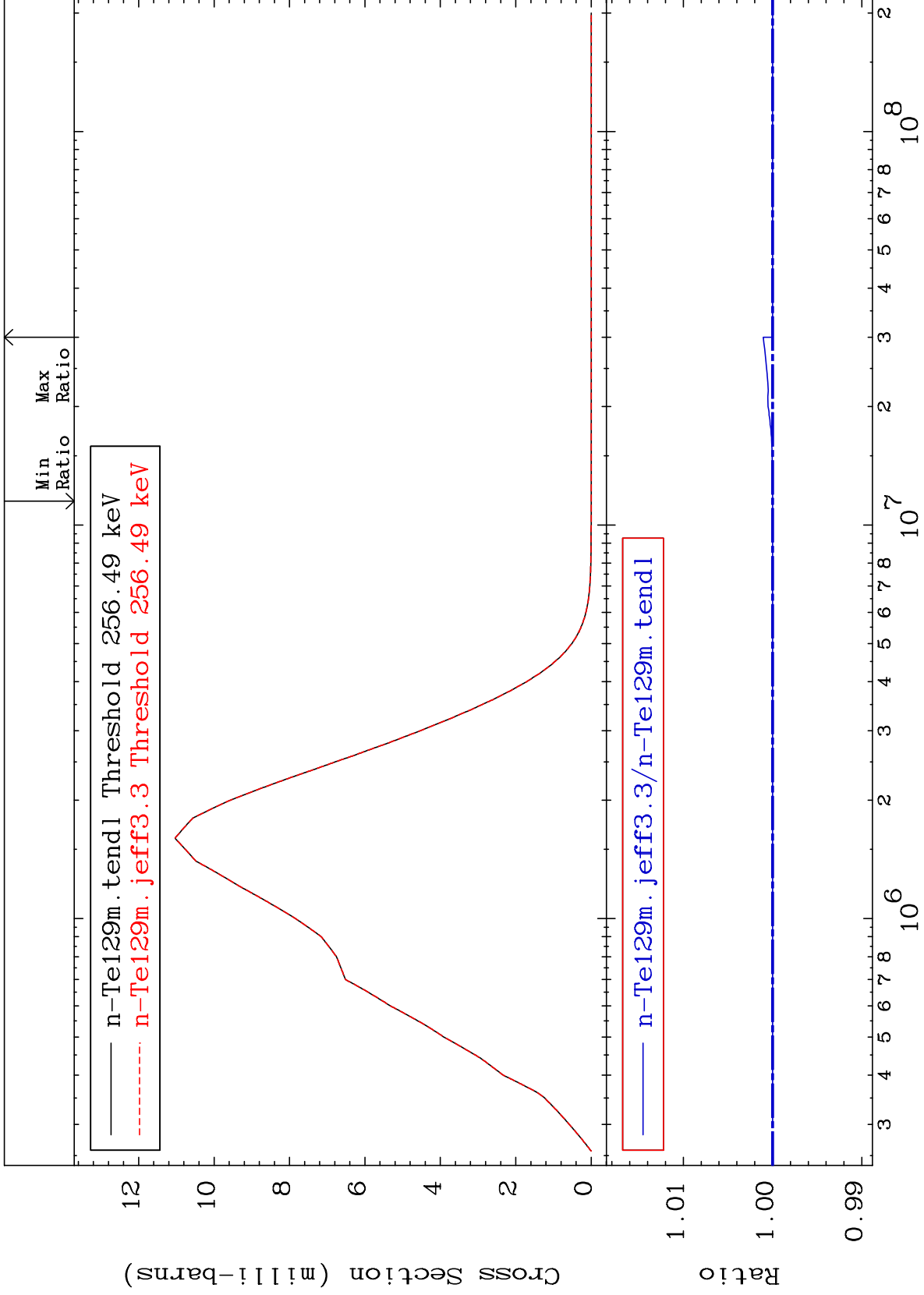
Incident Energy (eV)

52-Te-129

MAT 5253

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

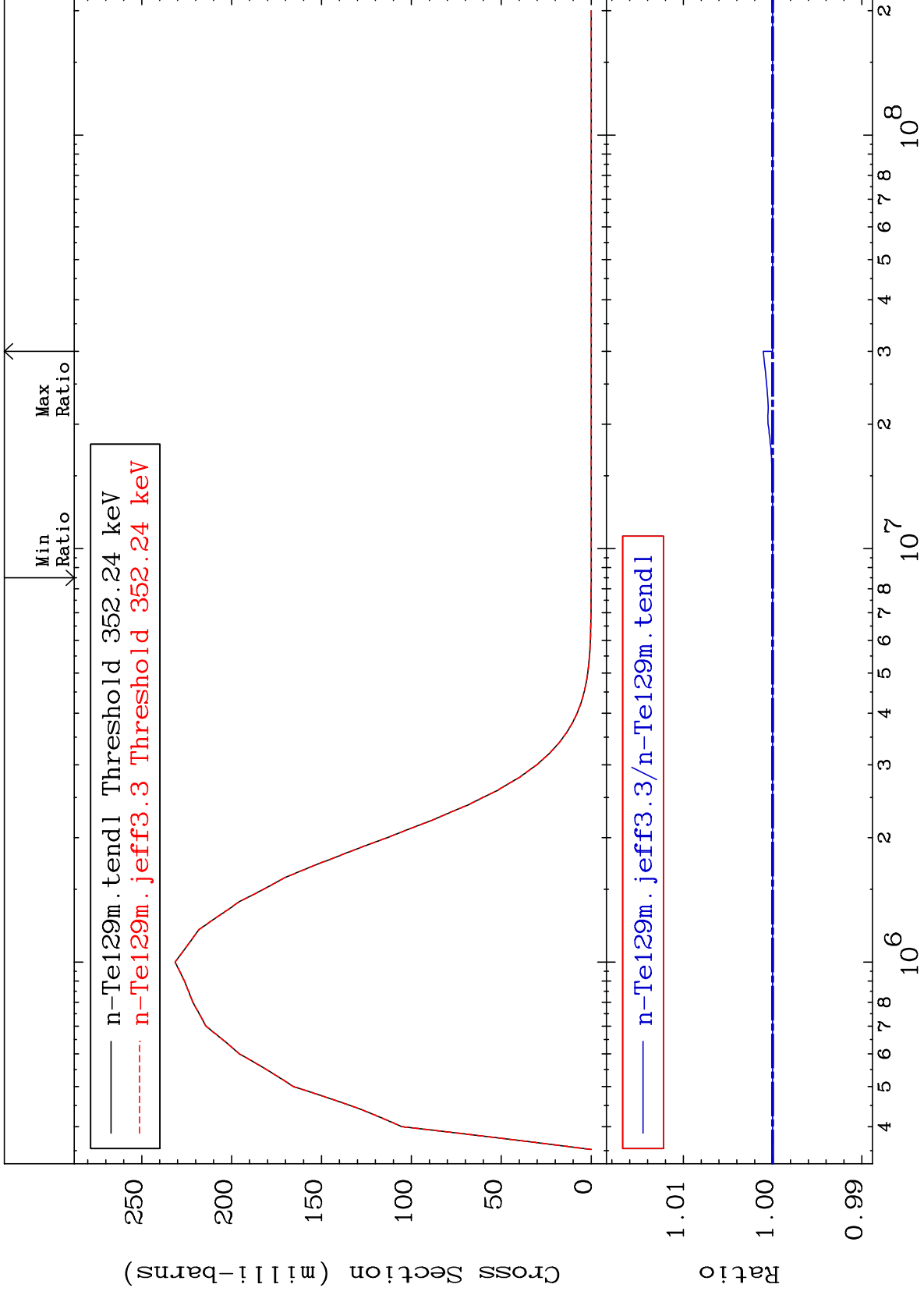
52-Te-129  
To 0.105 %



MAT 5253

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

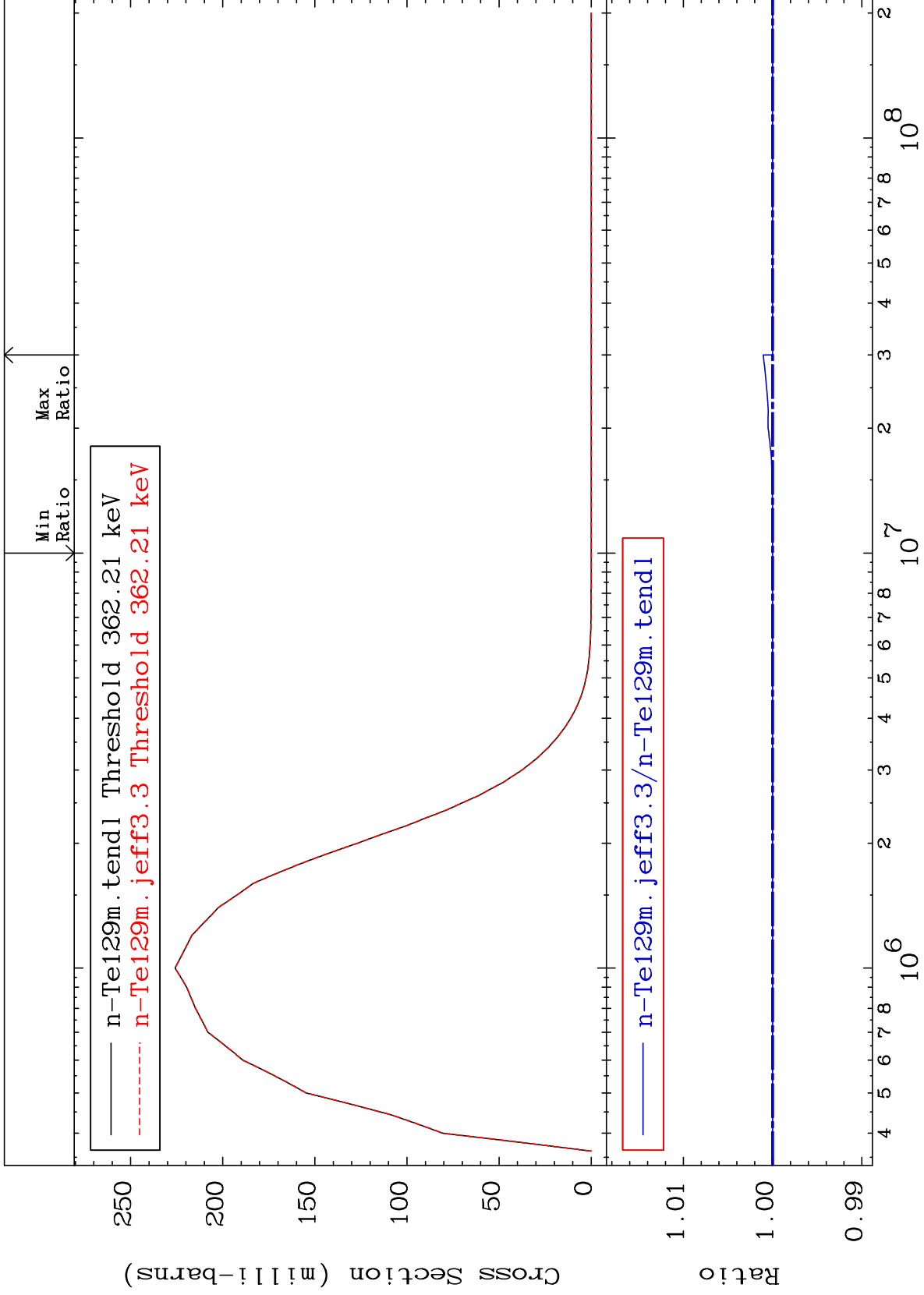
52-Te-129  
To 0.105 %



MAT 5253

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

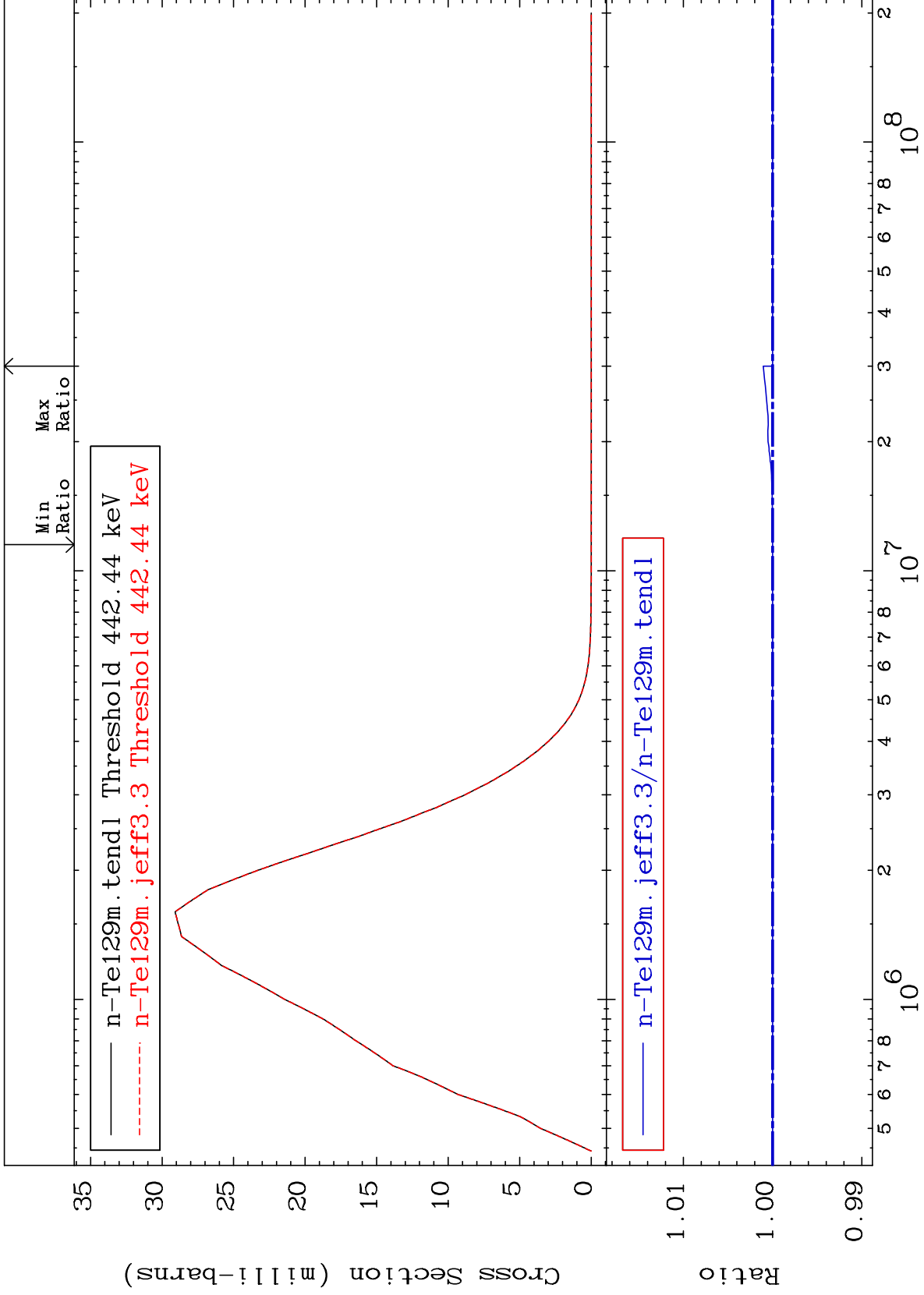
52-Te-129  
To 0.105 %



MAT 5253

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

52-Te-129  
To 0.105 %

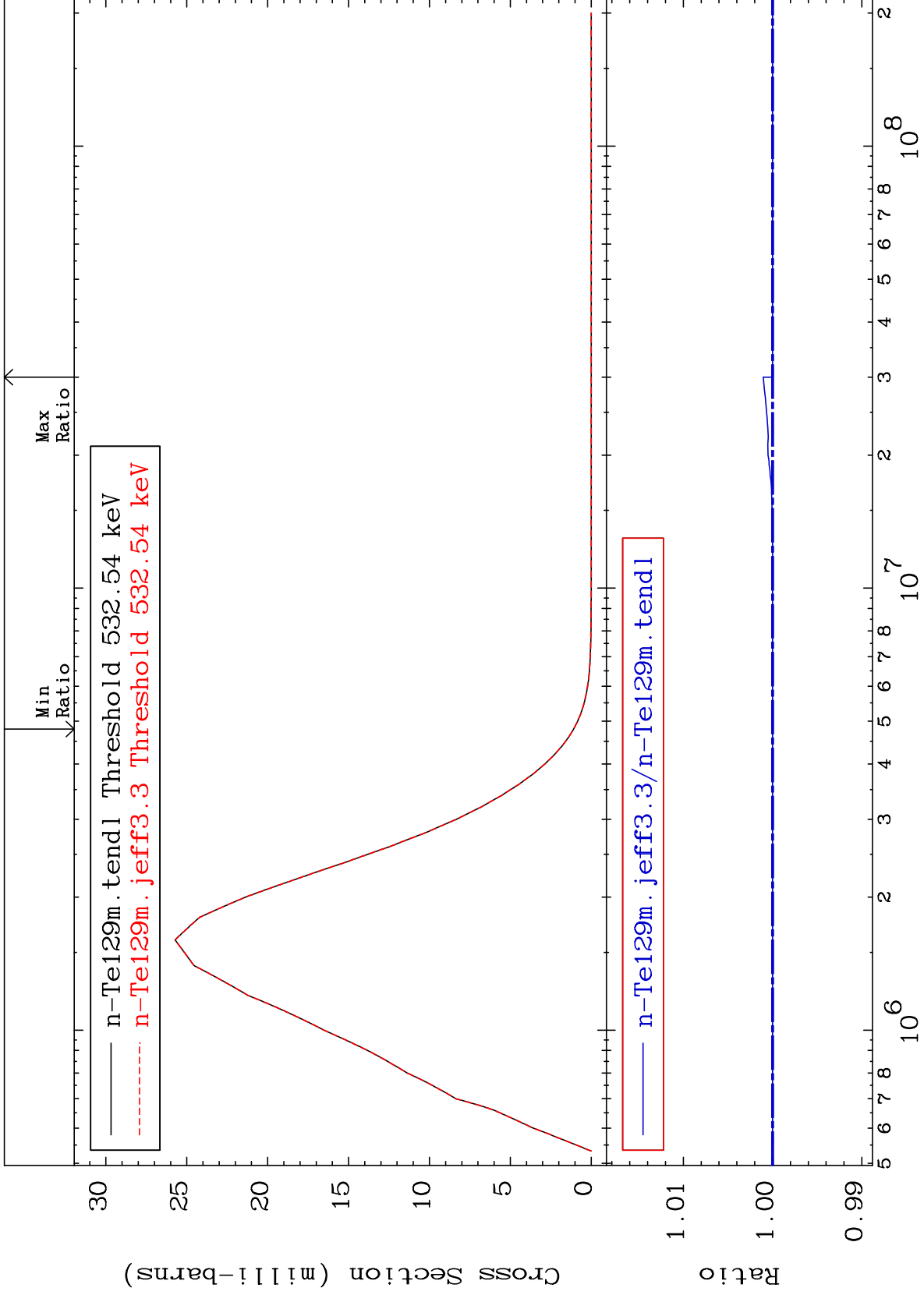




MAT 5253

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

52-Te-129  
To 0.105 %

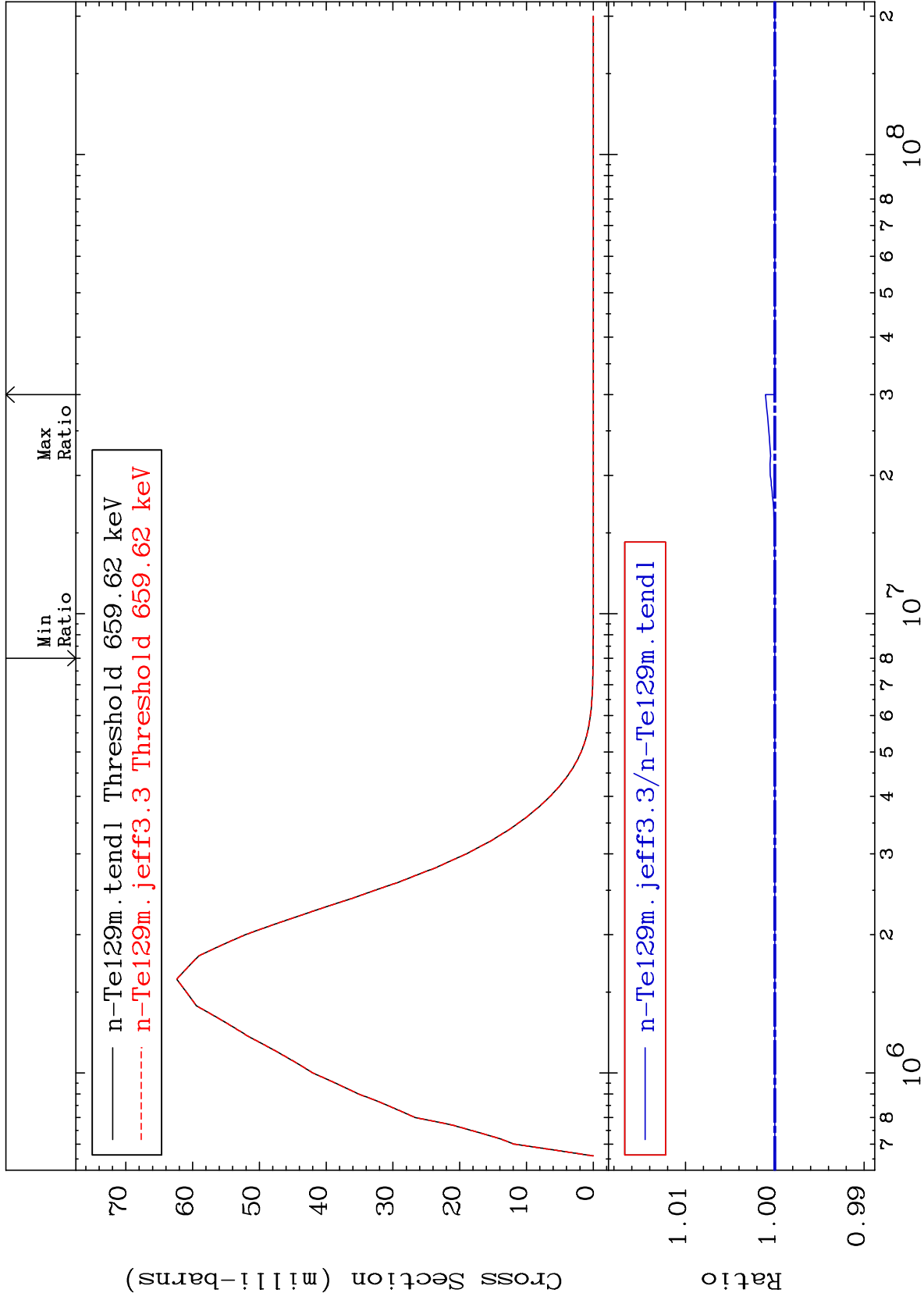


MAT 5253

MT= 59 (n,n') Level

52-Te-129

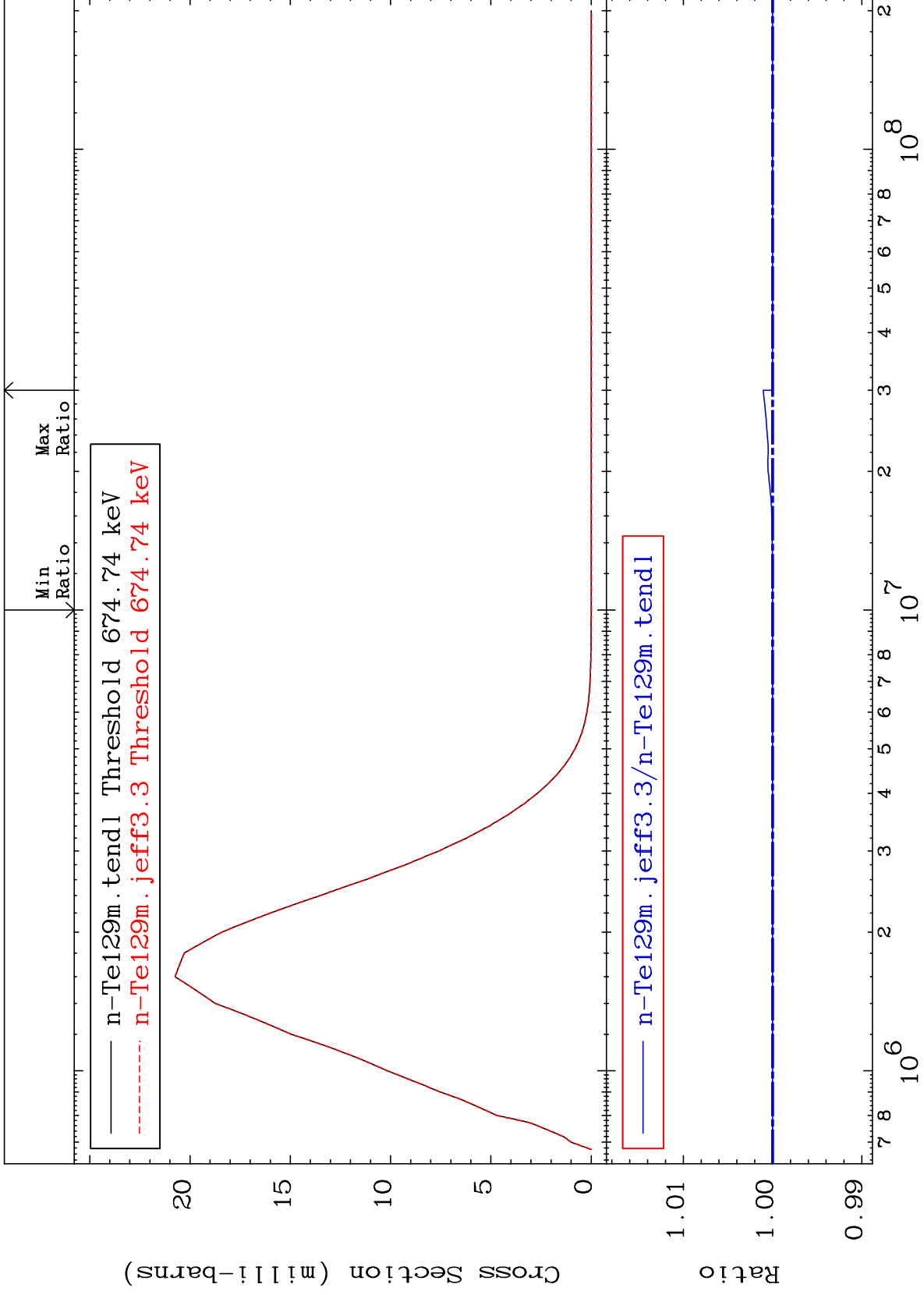
Cross Section  
0.000 To 0.105 %



MAT 5253

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

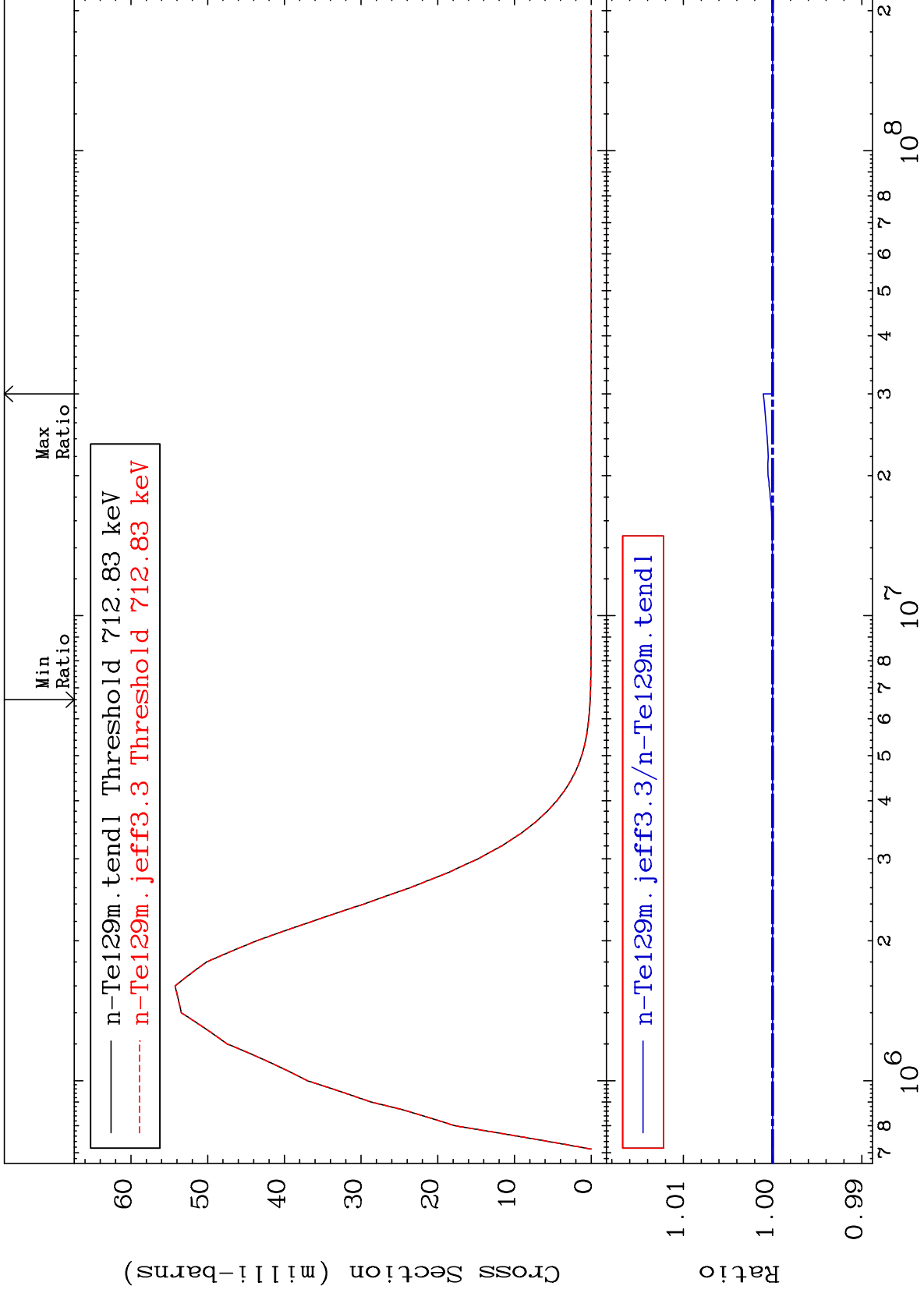
52-Te-129  
To 0.105 %



MAT 5253

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

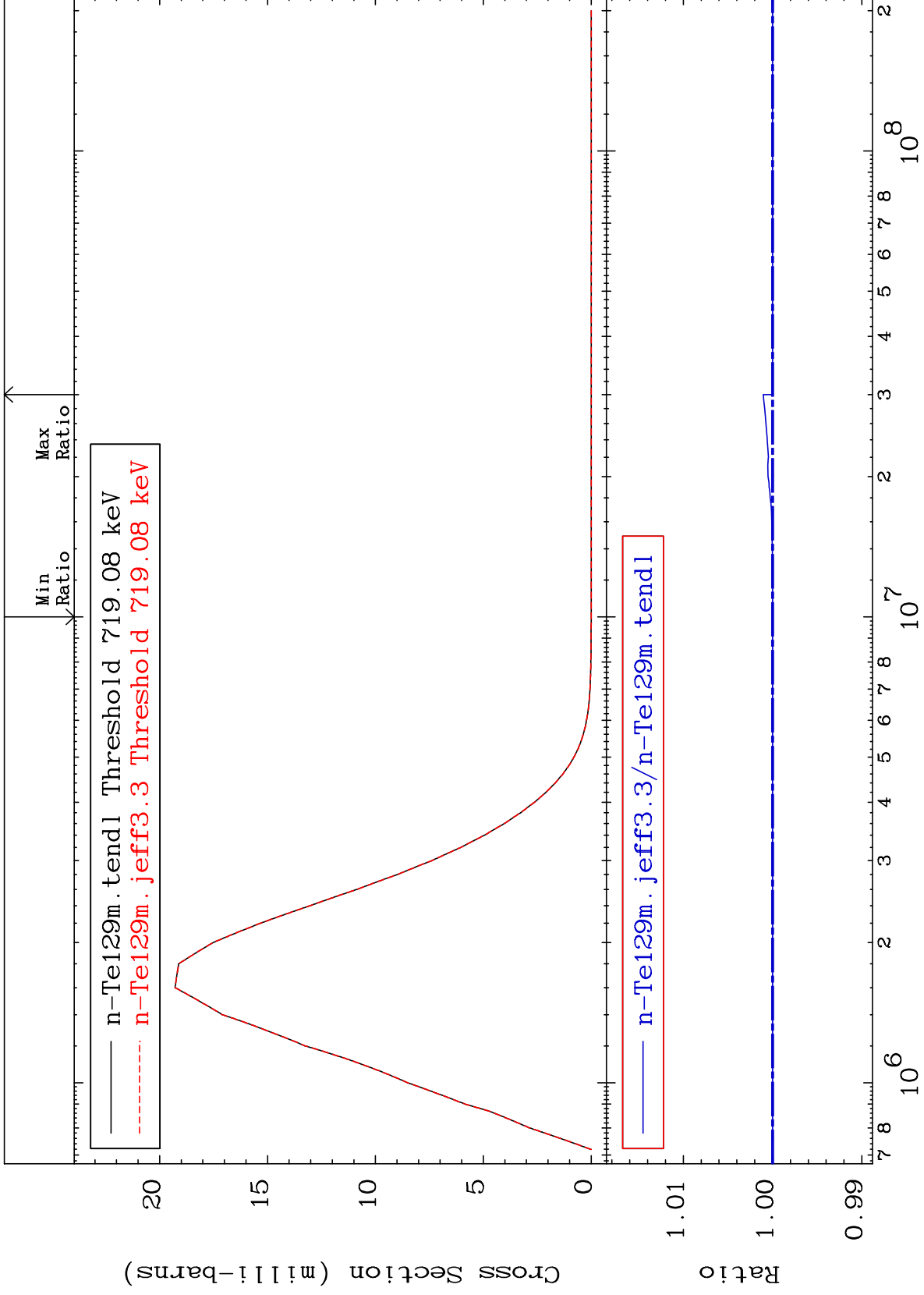
52-Te-129  
To 0.105 %



MAT 5253

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

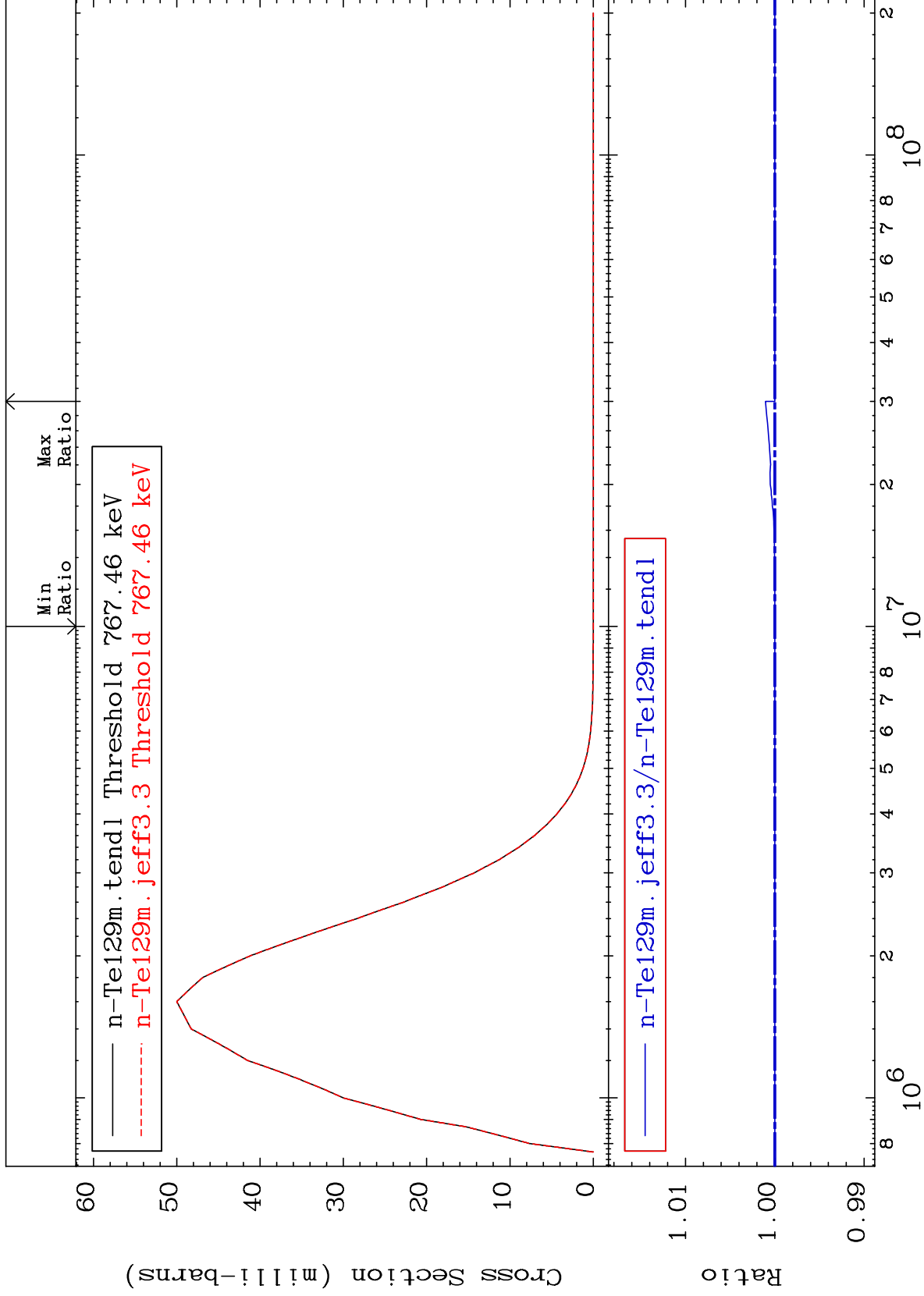
52-Te-129  
To 0.105 %



MAT 5253

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

52-Te-129  
To 0.105 %



30

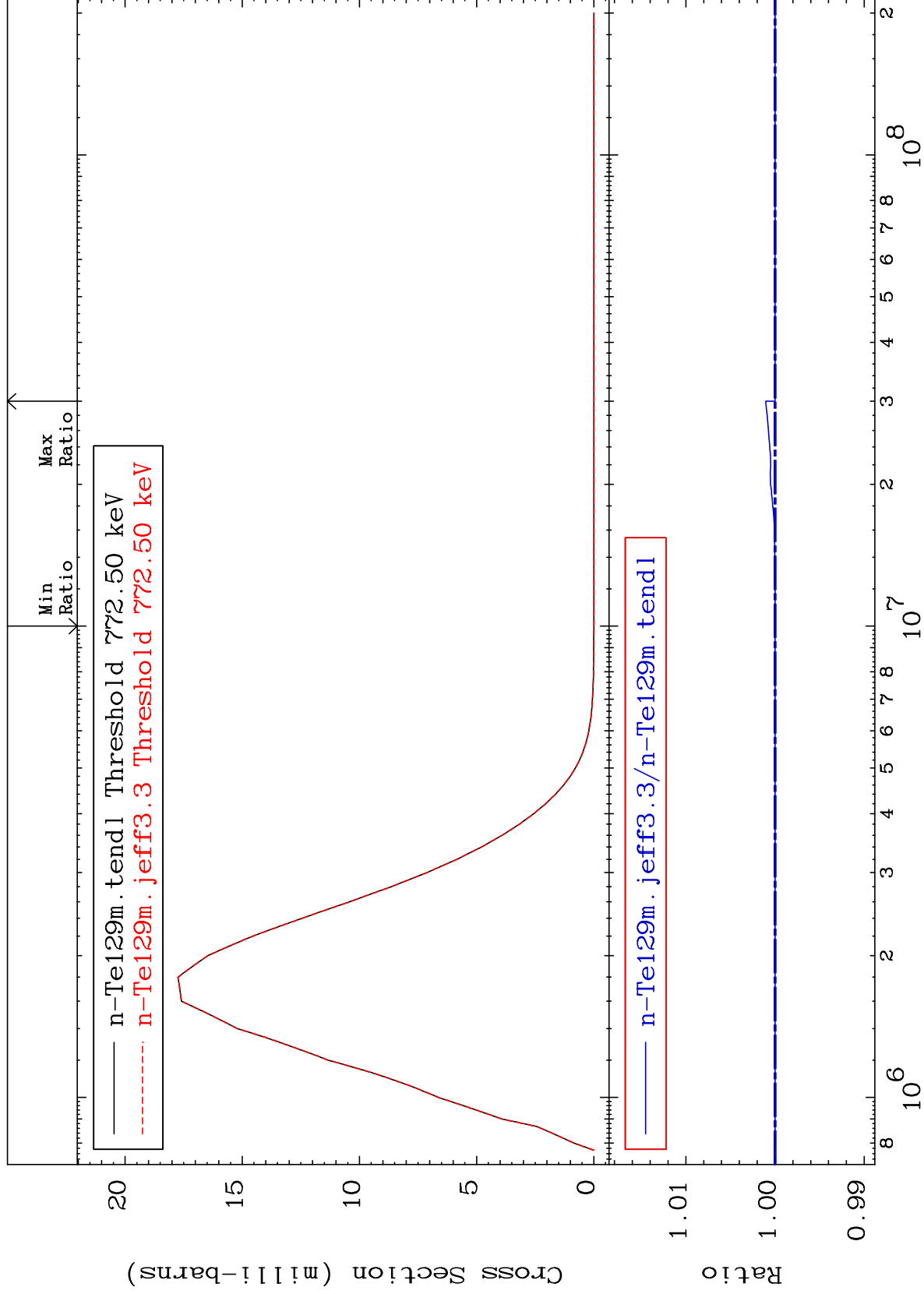
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
To 0.105 %



31

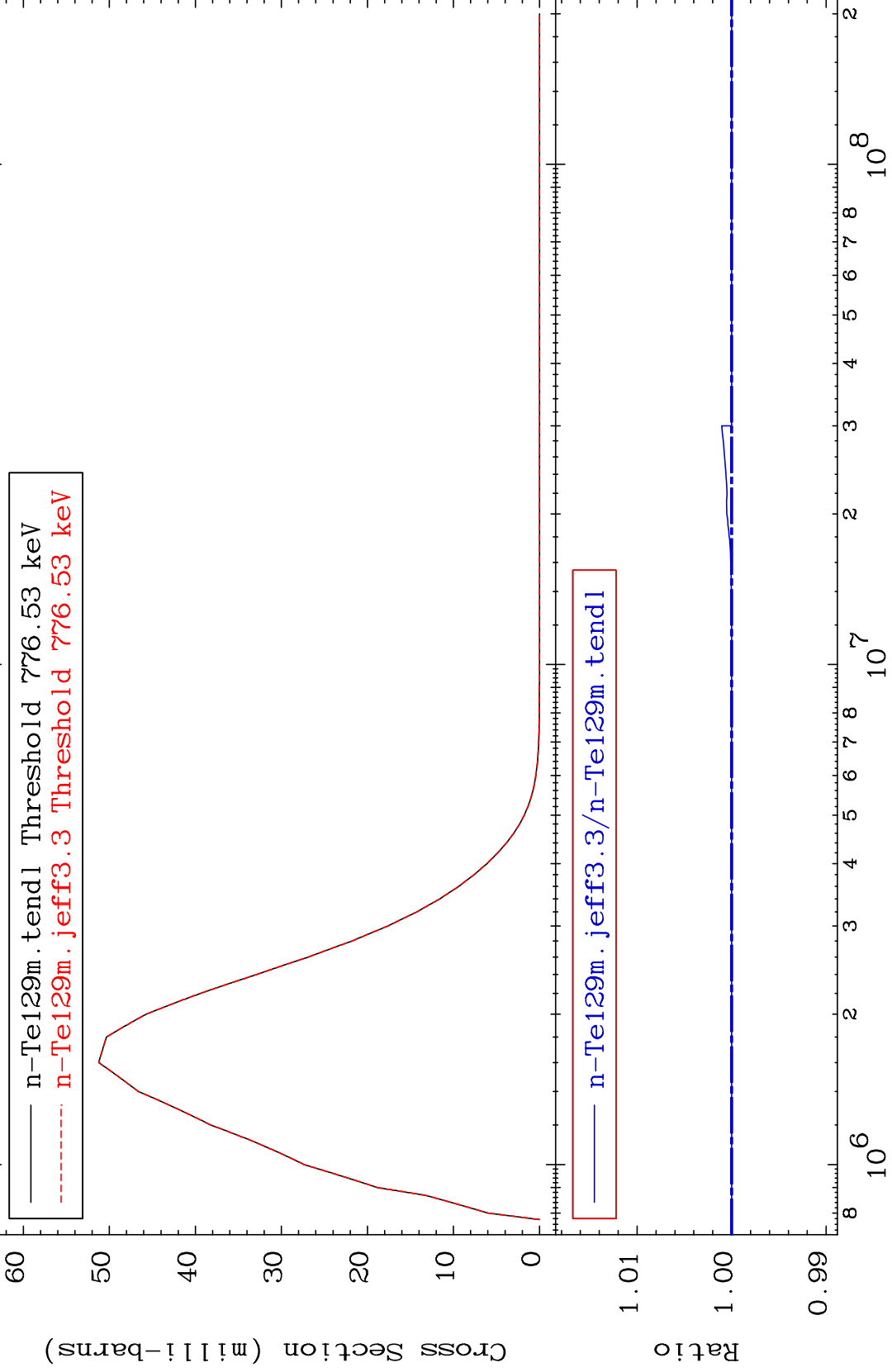
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
To 0.105 %

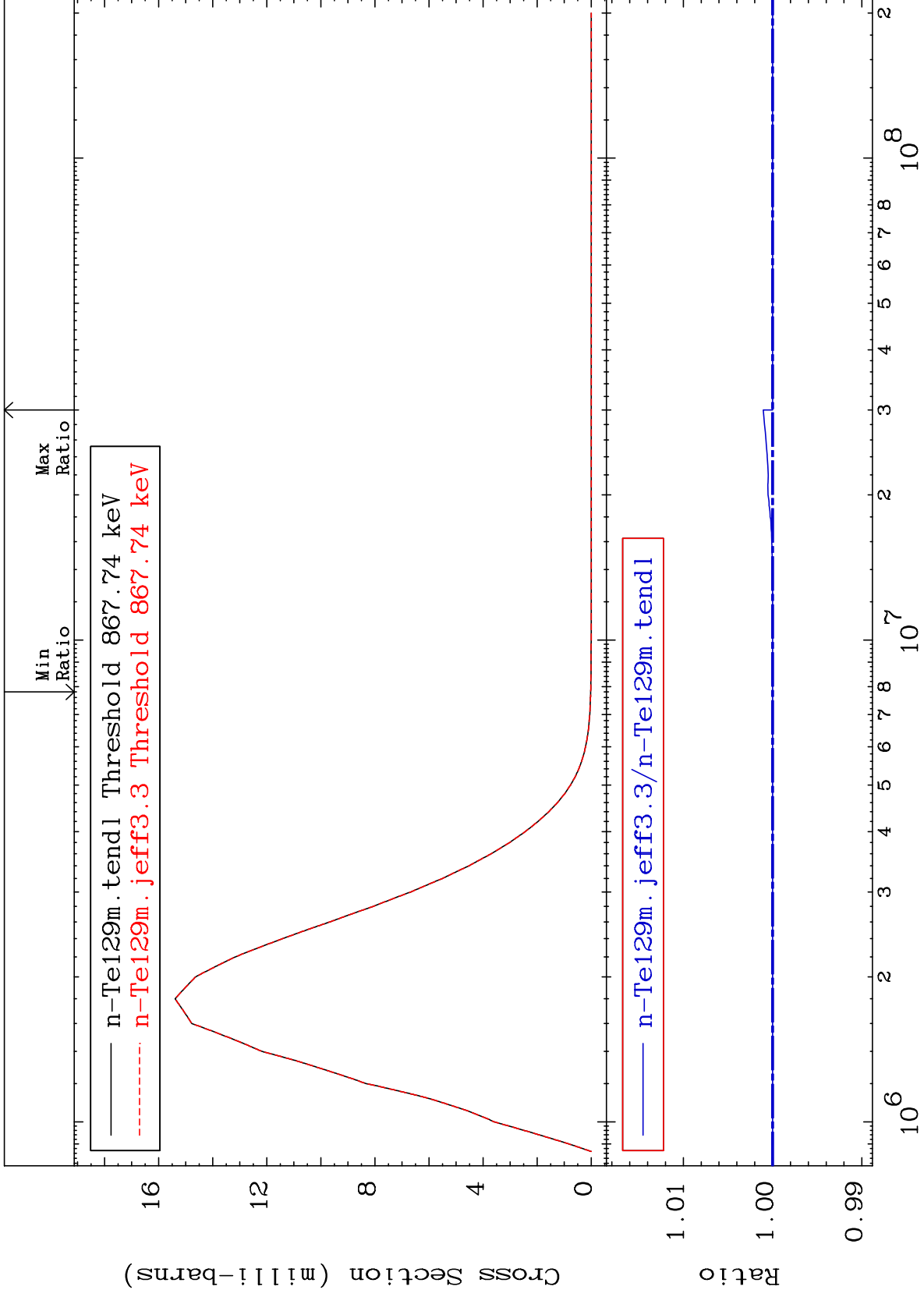




MAT 5253

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

52-Te-129  
To 0.105 %



33

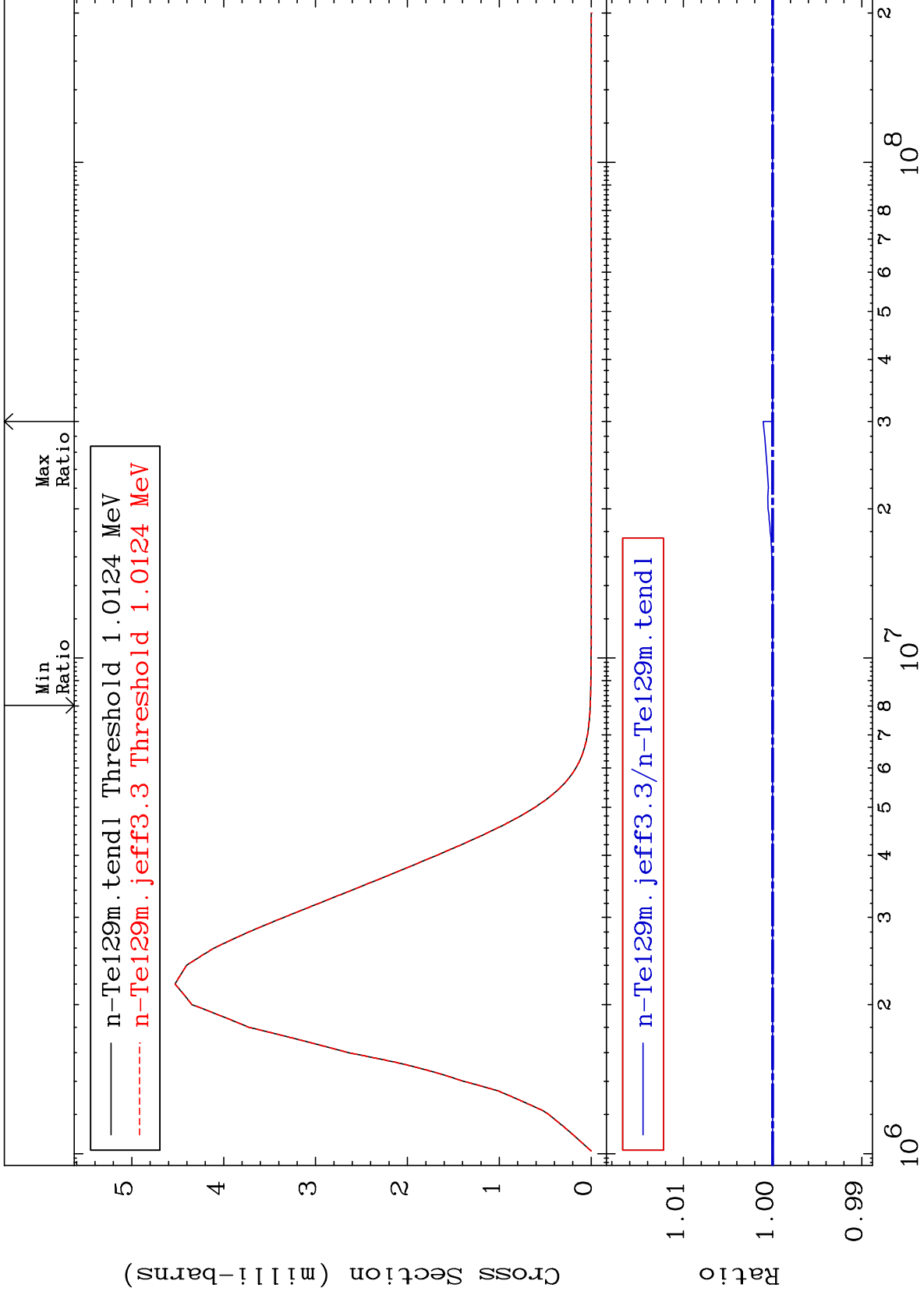
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
To 0.105 %



34

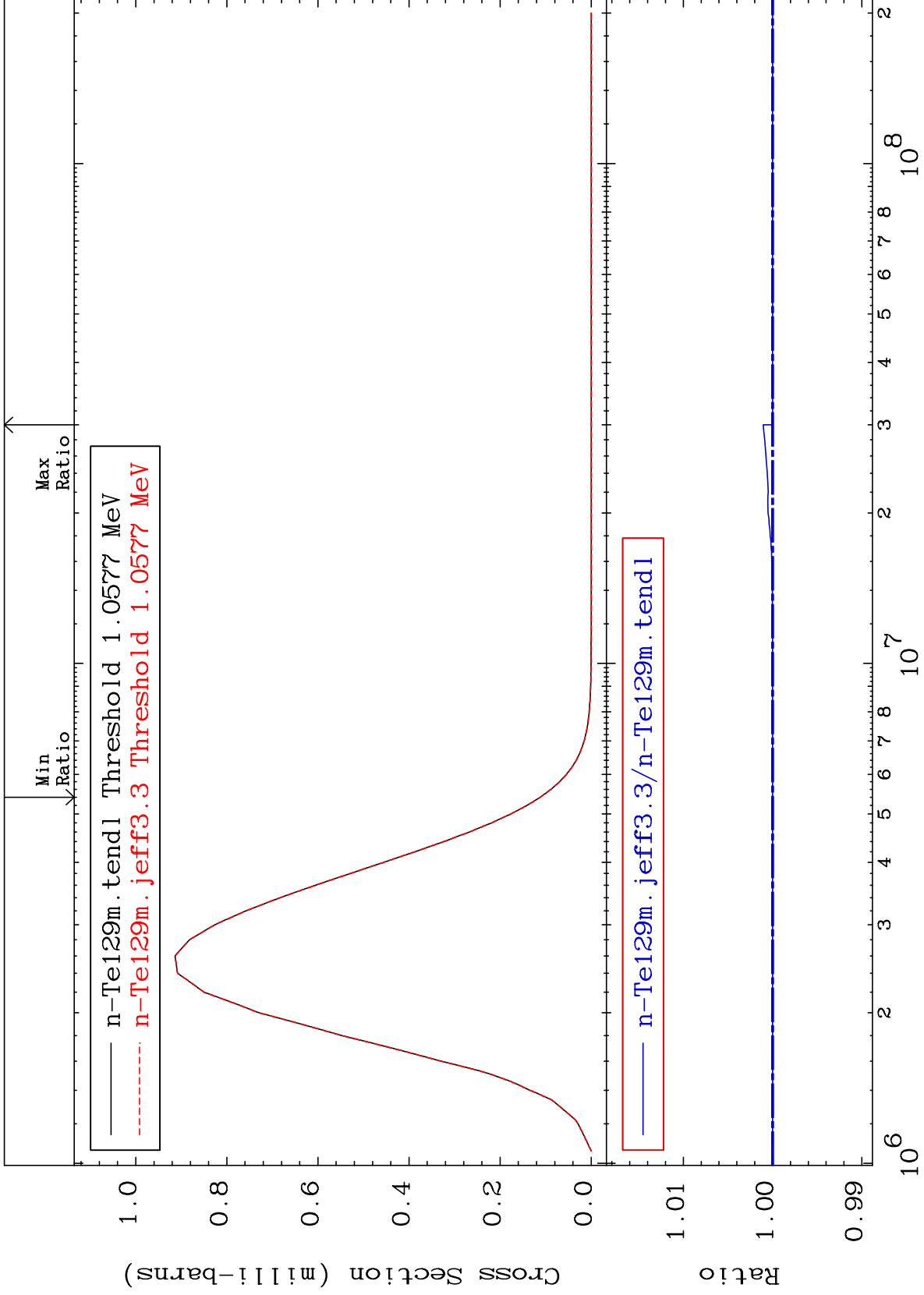
Incident Energy (eV)

52-Te-129

MAT 5253

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

52-Te-129  
To 0.105 %



35

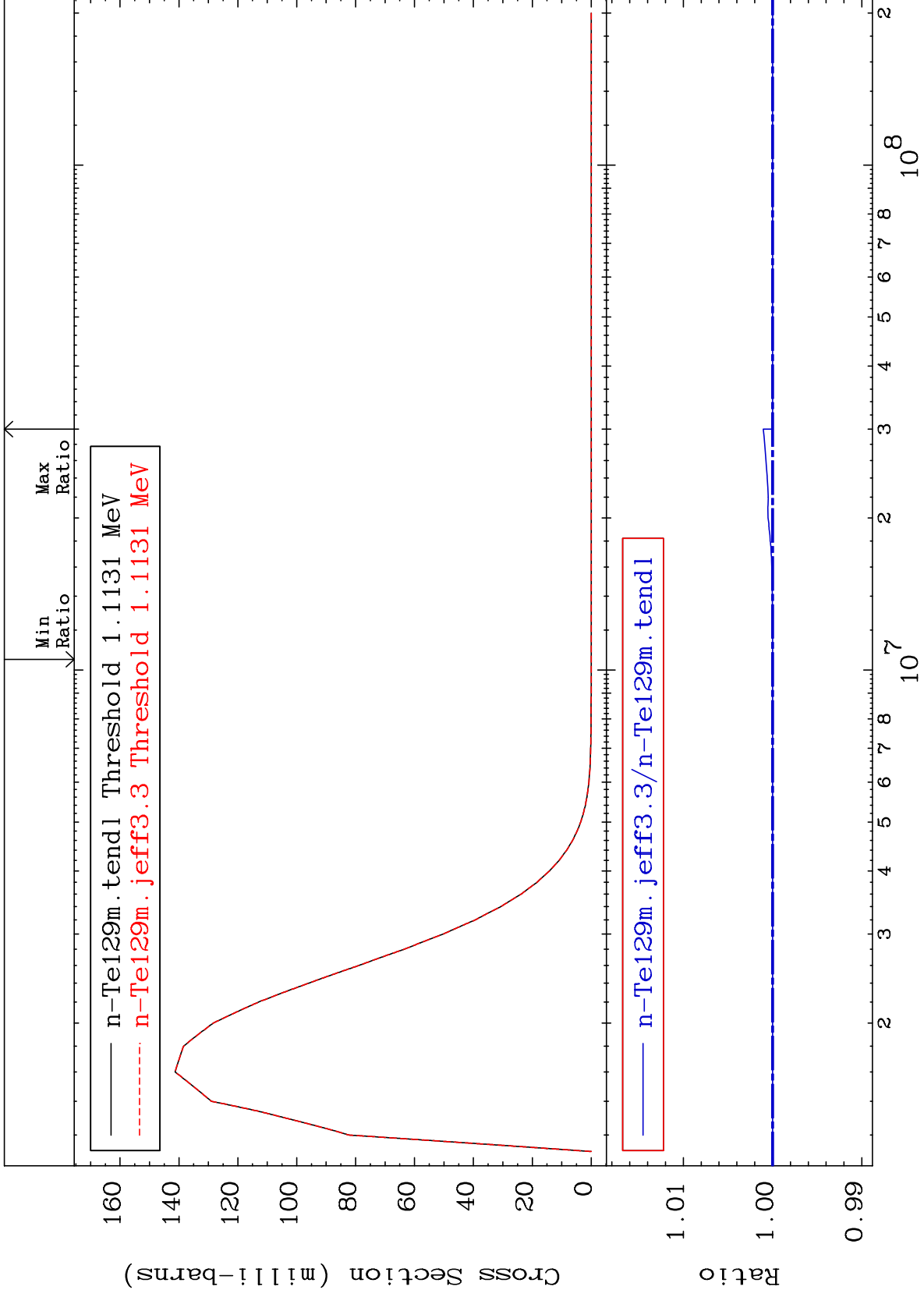
Incident Energy (eV)

52-Te-129

MAT 5253

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

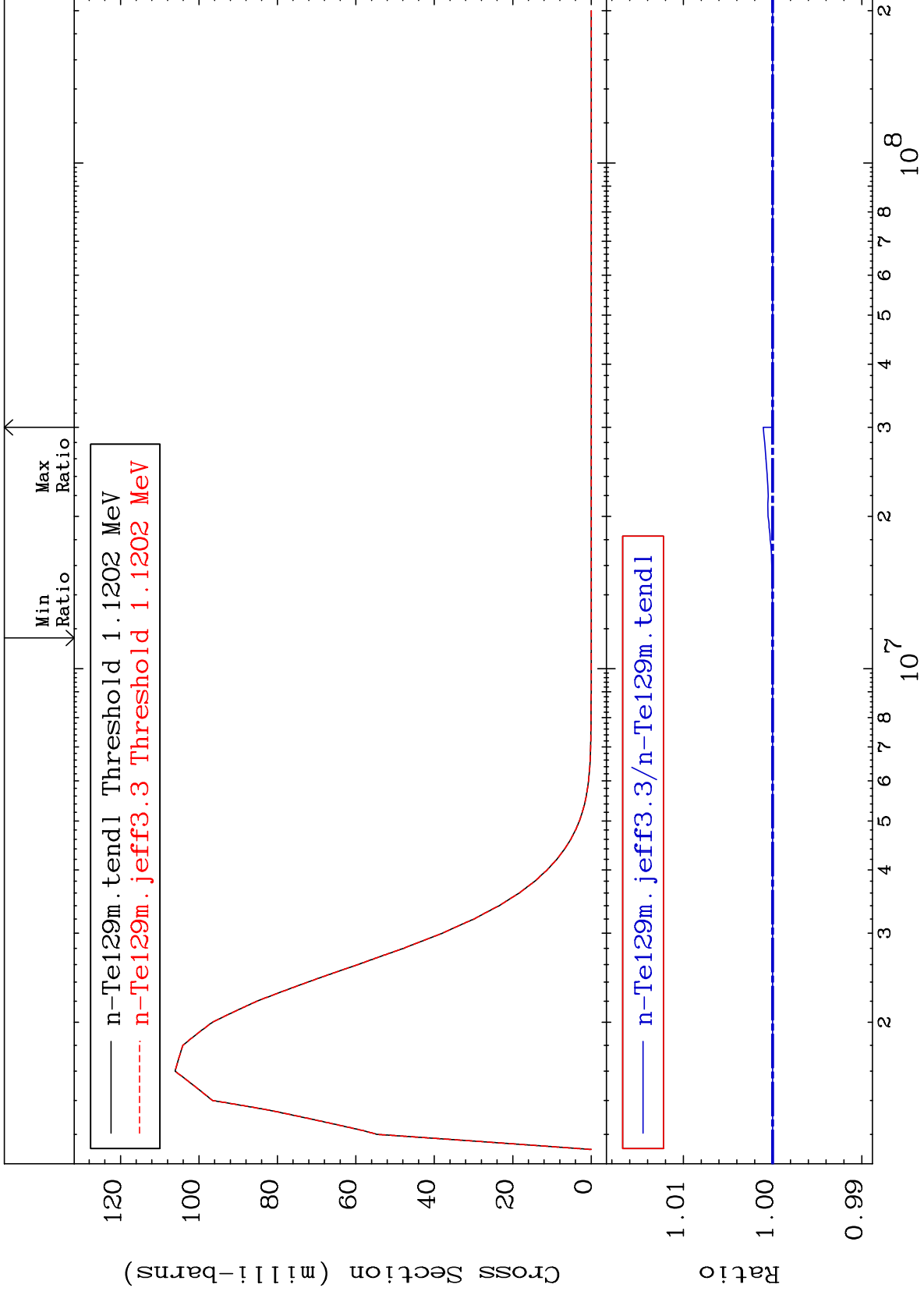
52-Te-129  
To 0.105 %



MAT 5253

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

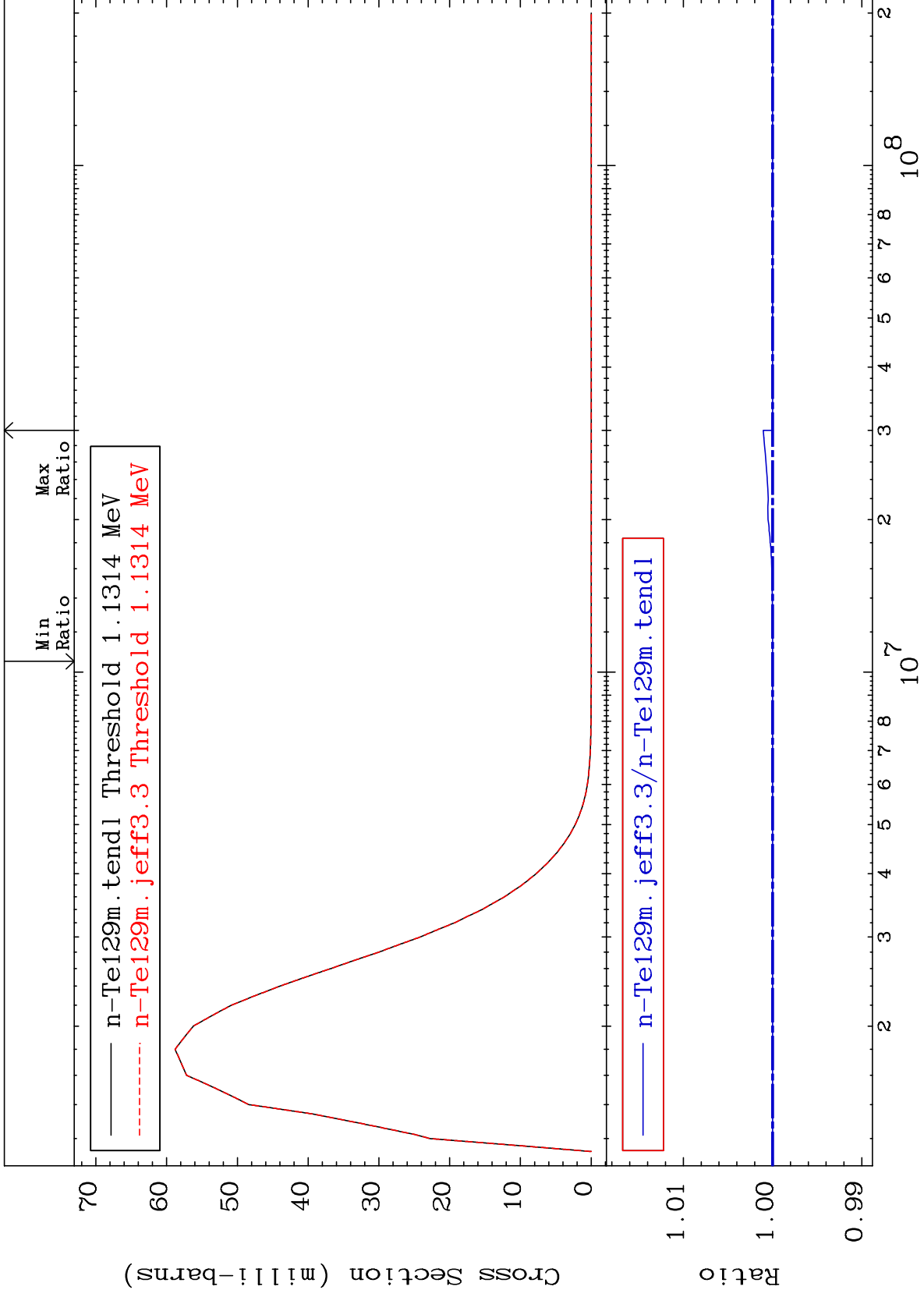
52-Te-129  
To 0.105 %



MAT 5253

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

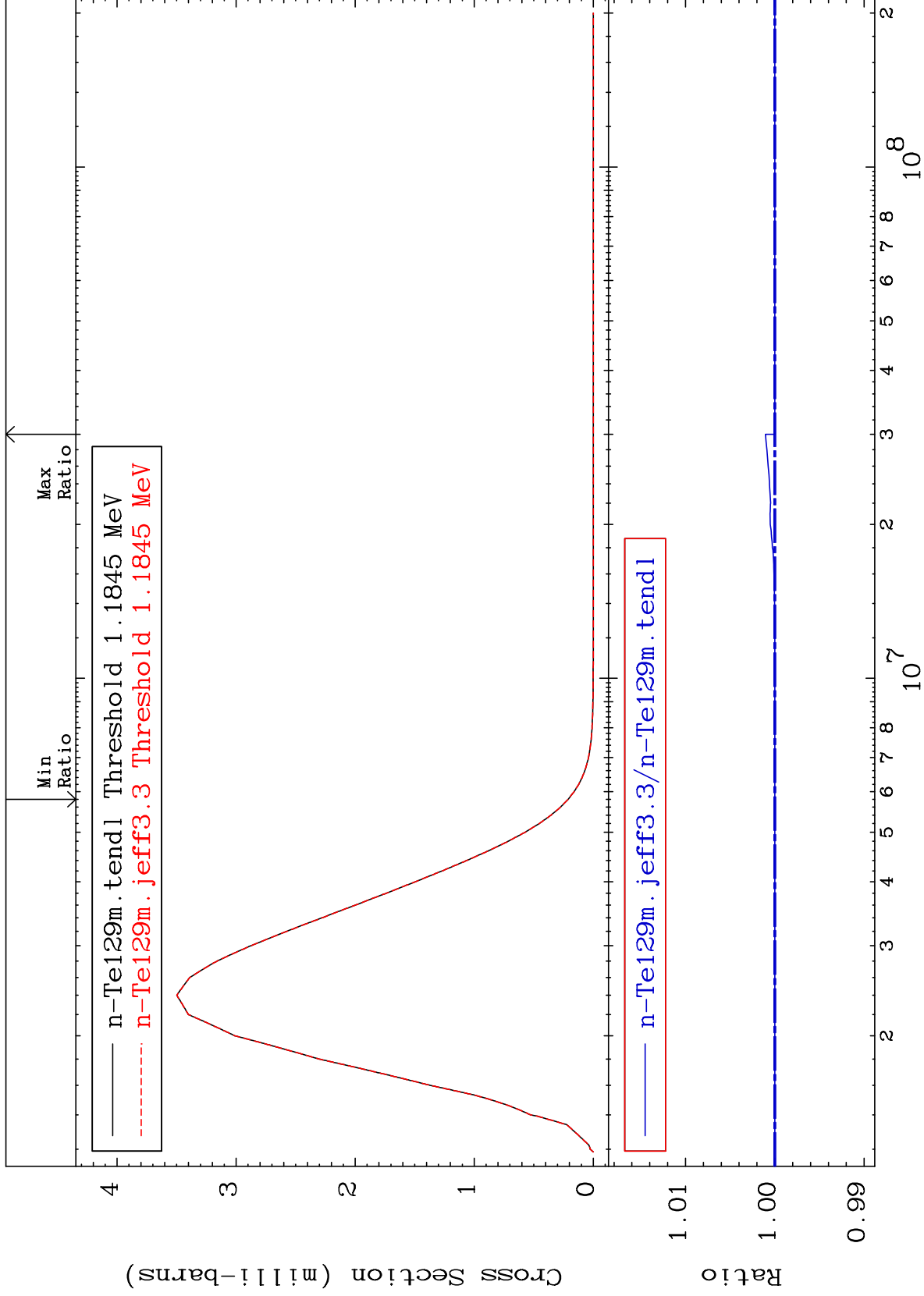
52-Te-129  
To 0.105 %



MAT 5253

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

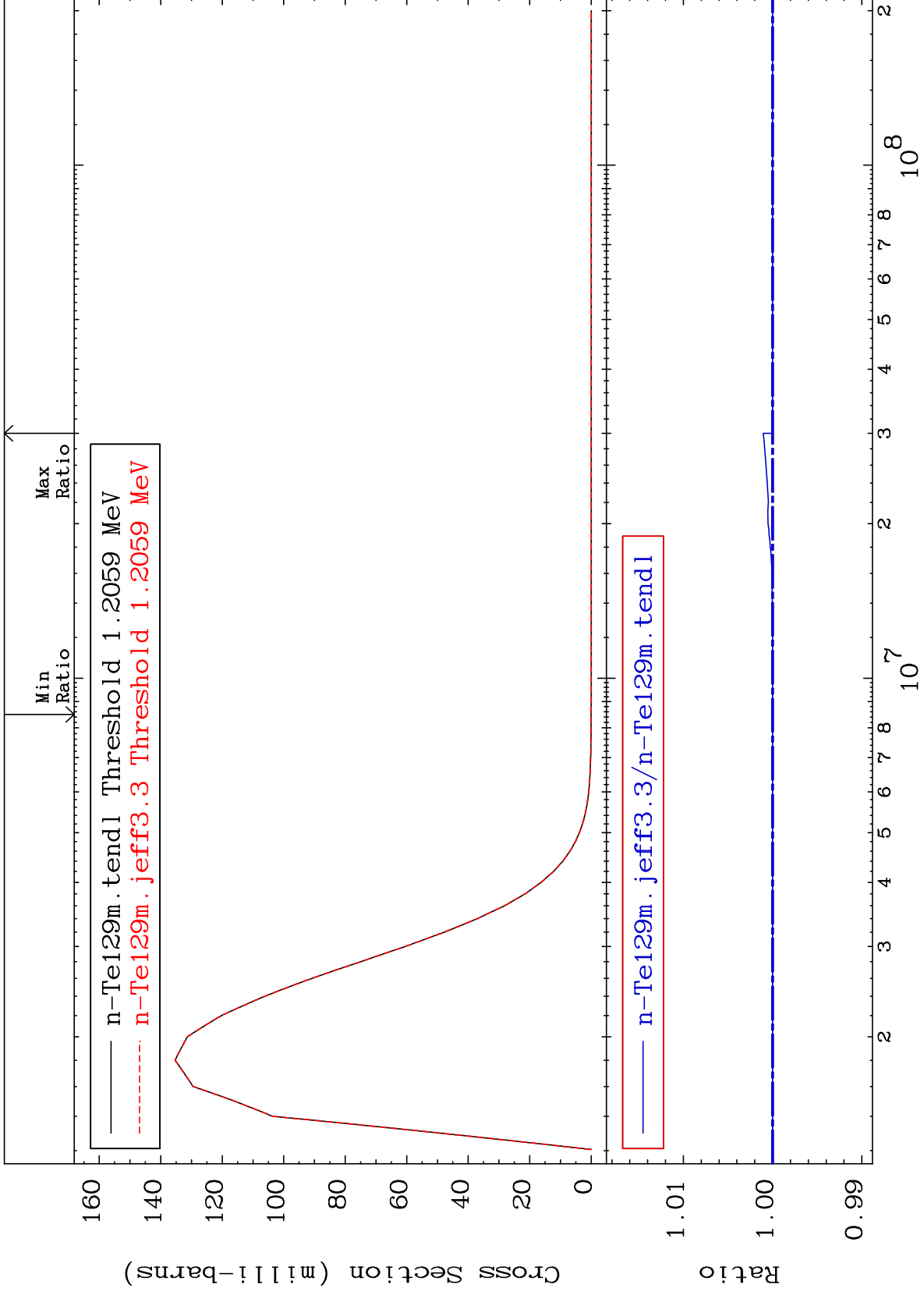
52-Te-129  
To 0.105 %



MAT 5253

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

52-Te-129  
To 0.105 %

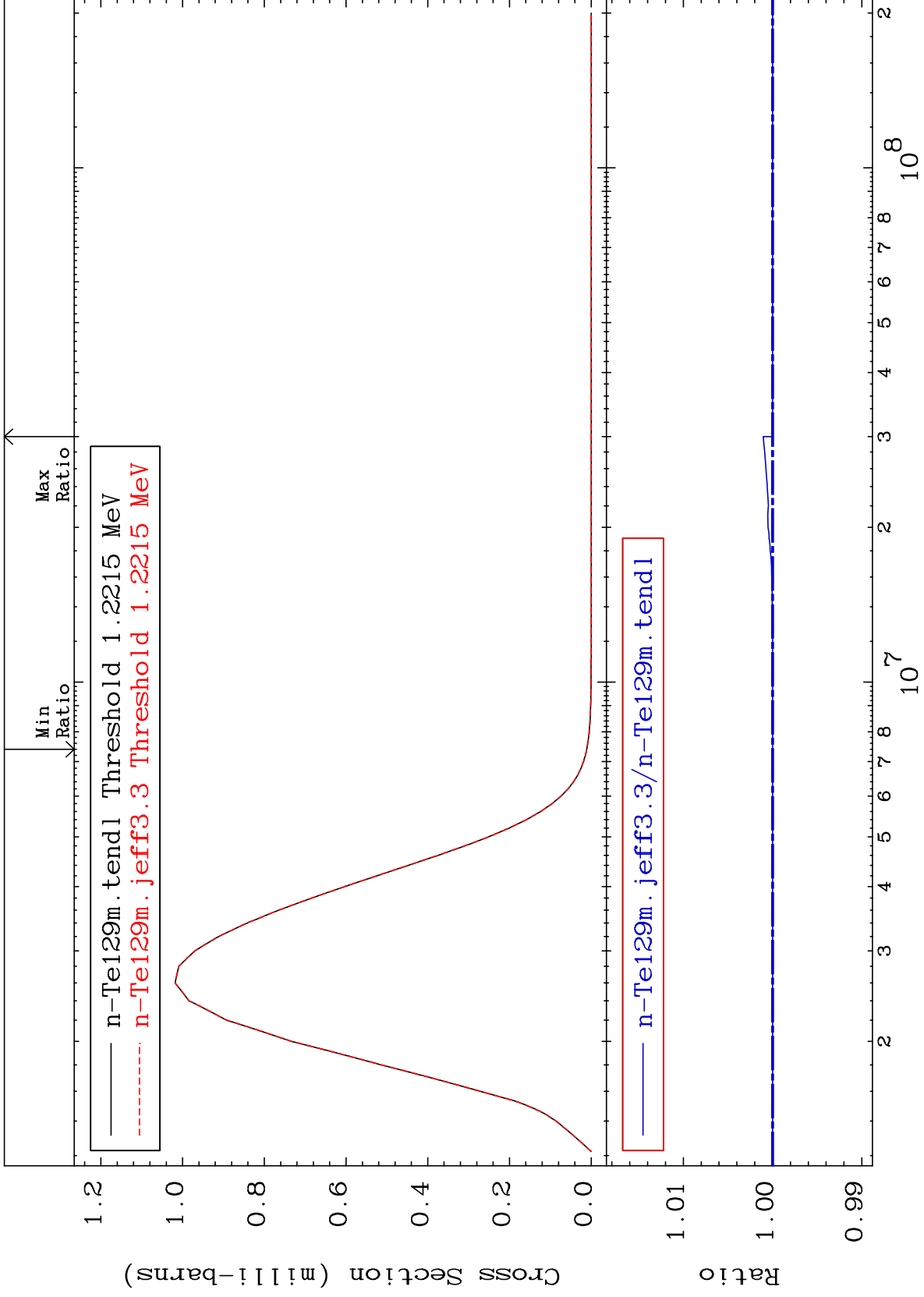




MAT 5253

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

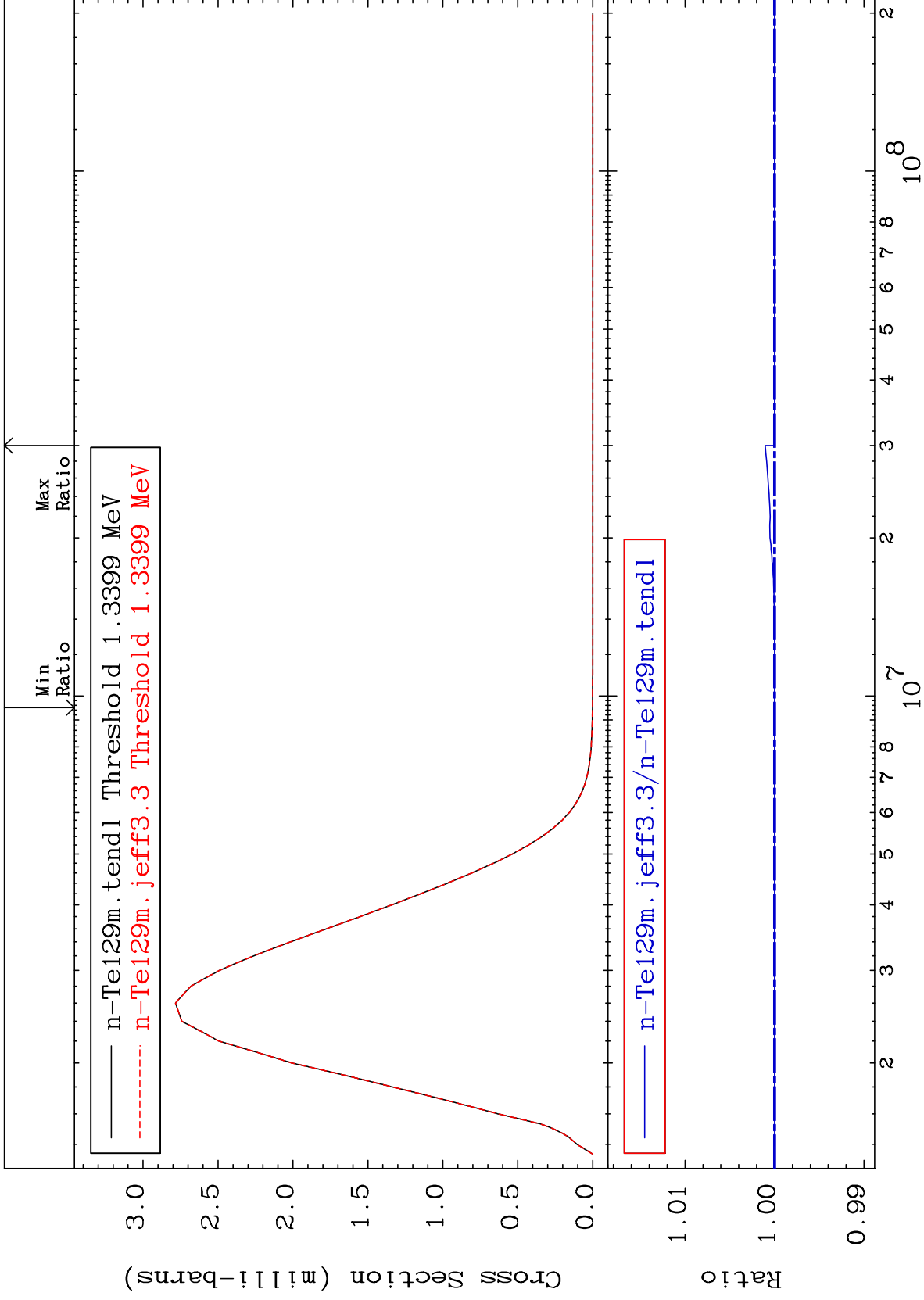
52-Te-129  
0.000 To 0.105 %



MAT 5253

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

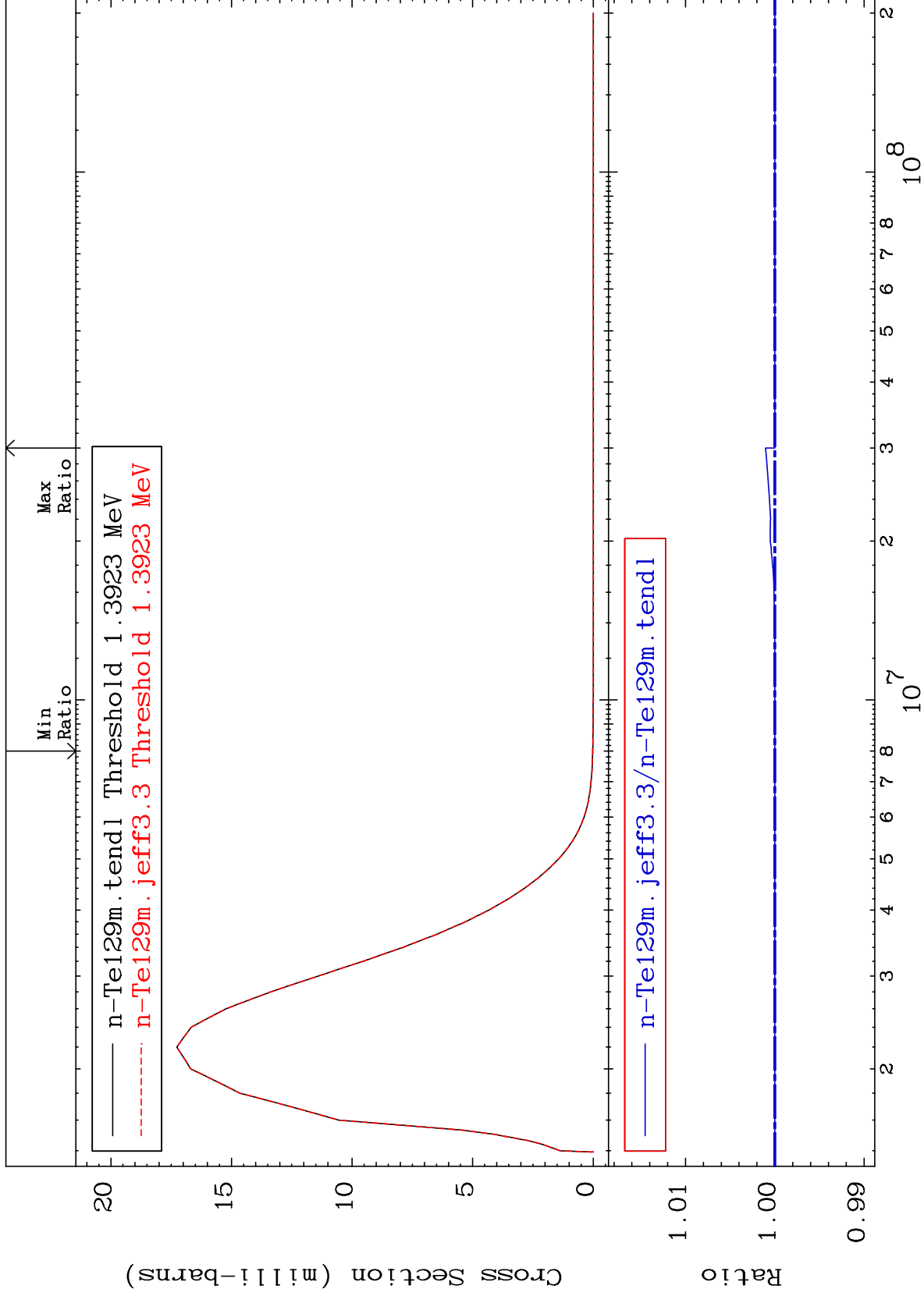
52-Te-129  
0.000 To 0.105 %



MAT 5253

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

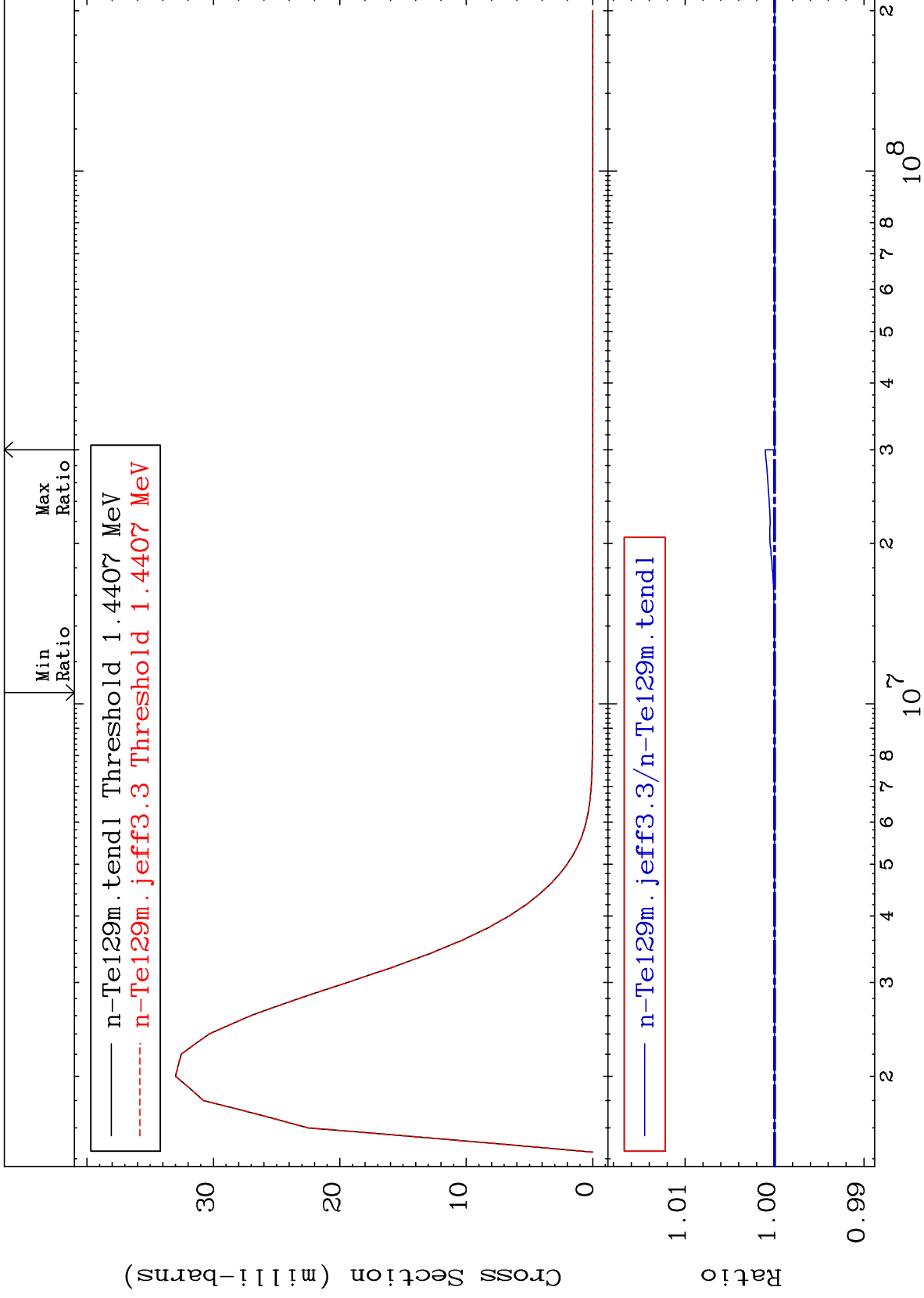
52-Te-129  
To 0.105 %



MAT 5253

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

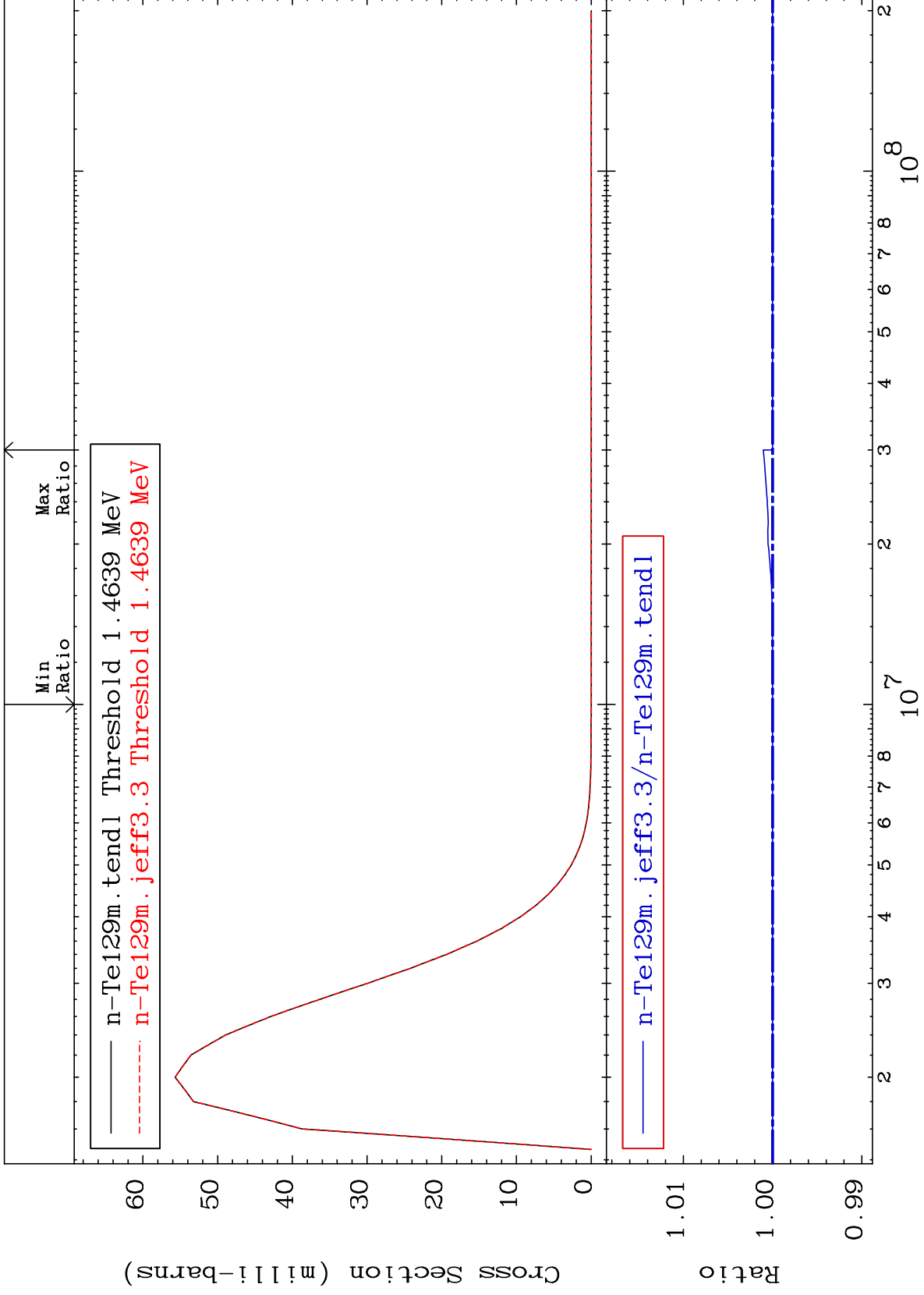
52-Te-129  
To 0.105 %



MAT 5253

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

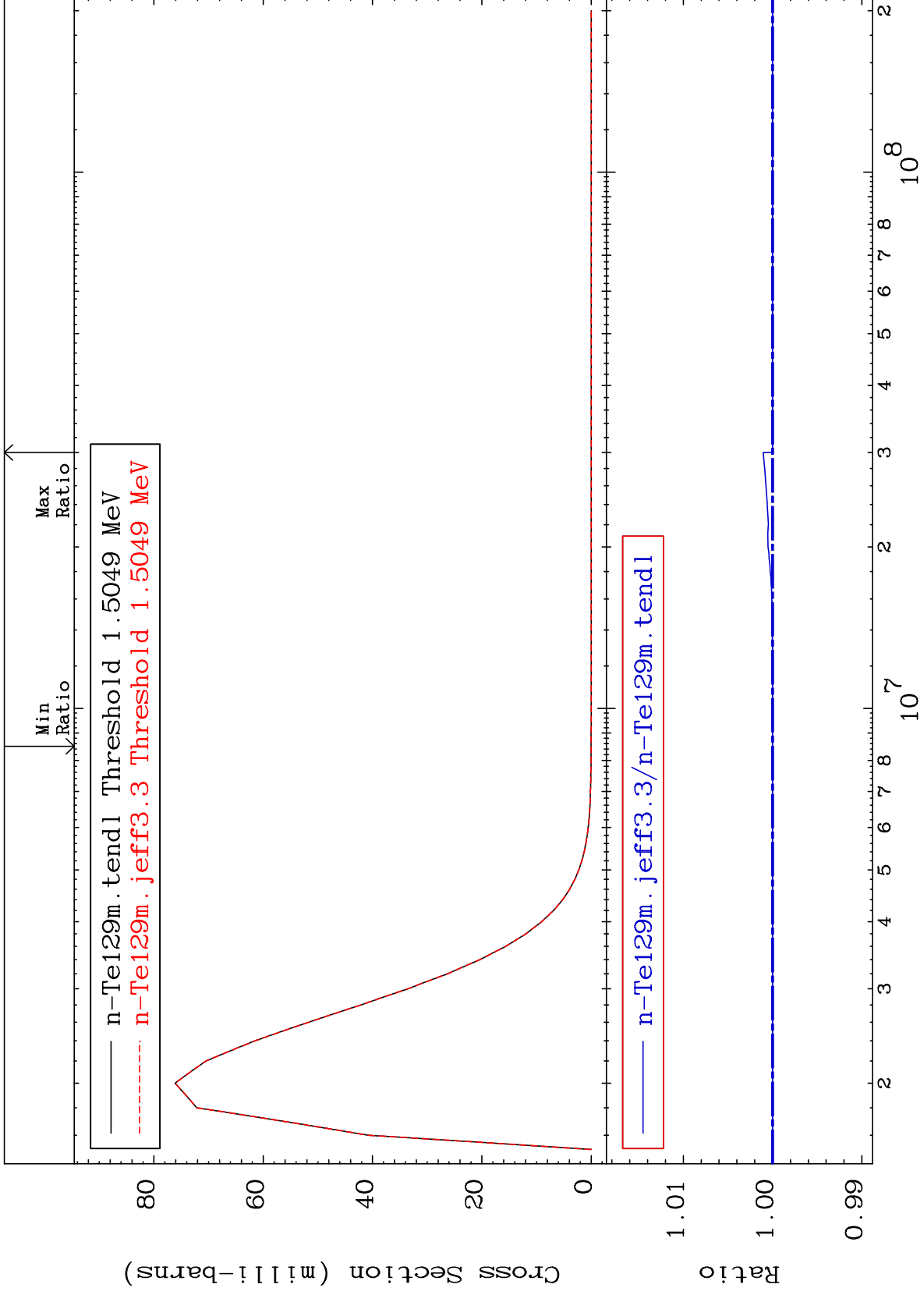
52-Te-129  
To 0.105 %



MAT 5253

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

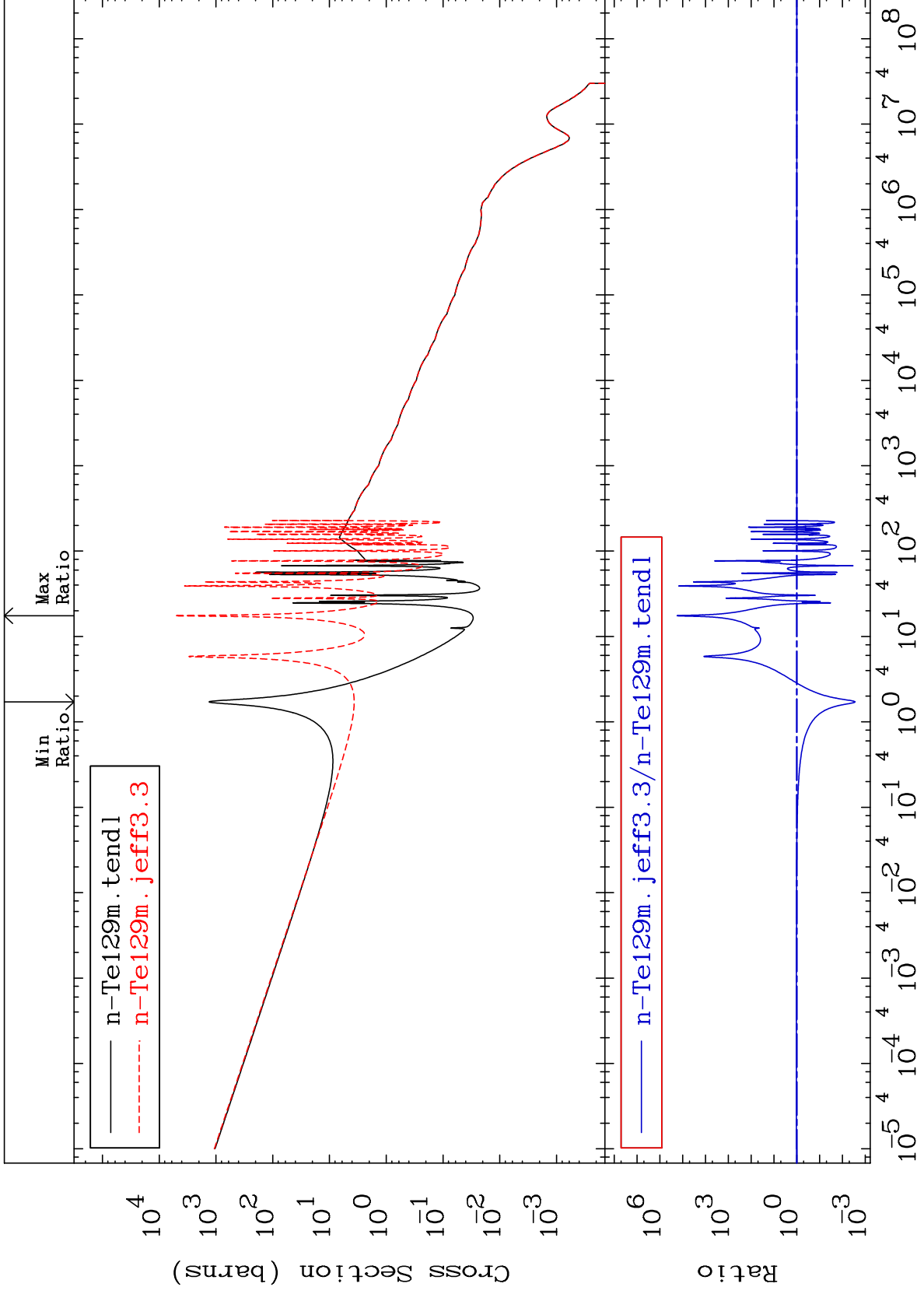
52-Te-129  
To 0.105 %



MAT 5253

(n,  $\gamma$ )  
Cross Section

52-Te-129  
-99.72 To 9999. %



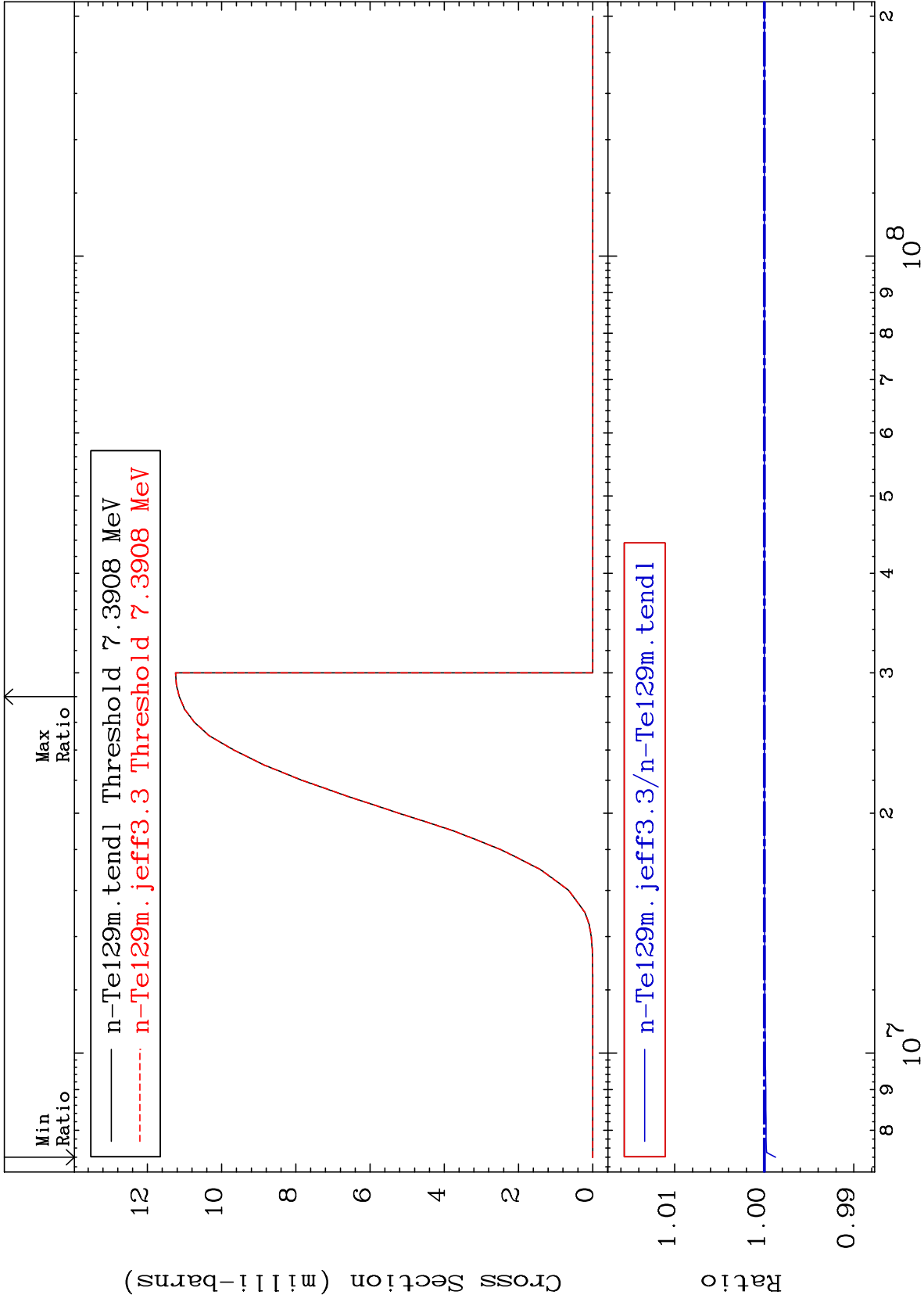
MAT 5253

(n, d)

52-Te-129

Cross Section

-0.126 To 0.000 %



48

Incident Energy (eV)

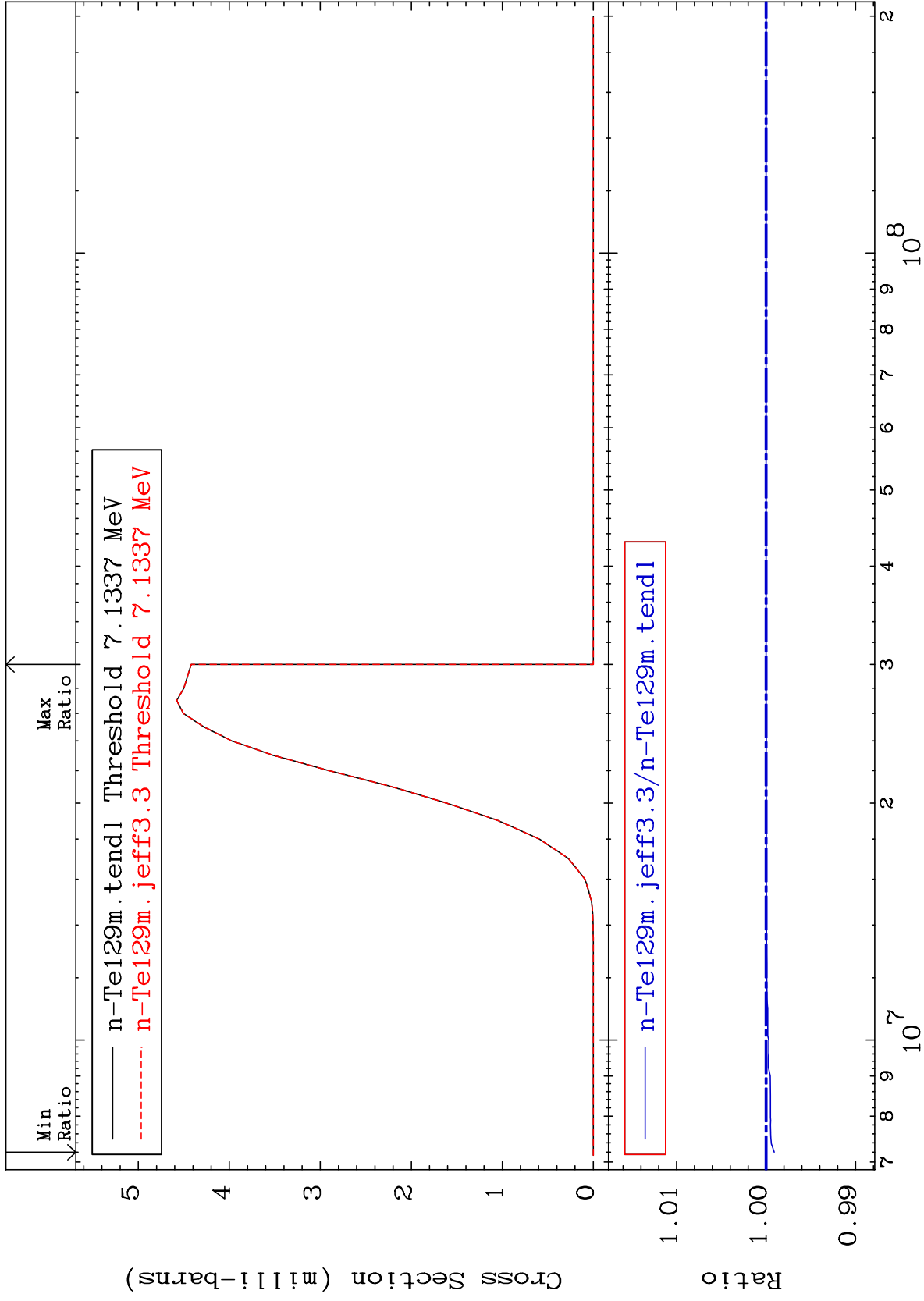
52-Te-129



MAT 5253

52-Te-129

(n, t)  
Cross Section  
-0.091 To 0.000 %



49

Incident Energy (eV)

52-Te-129

MAT 5253

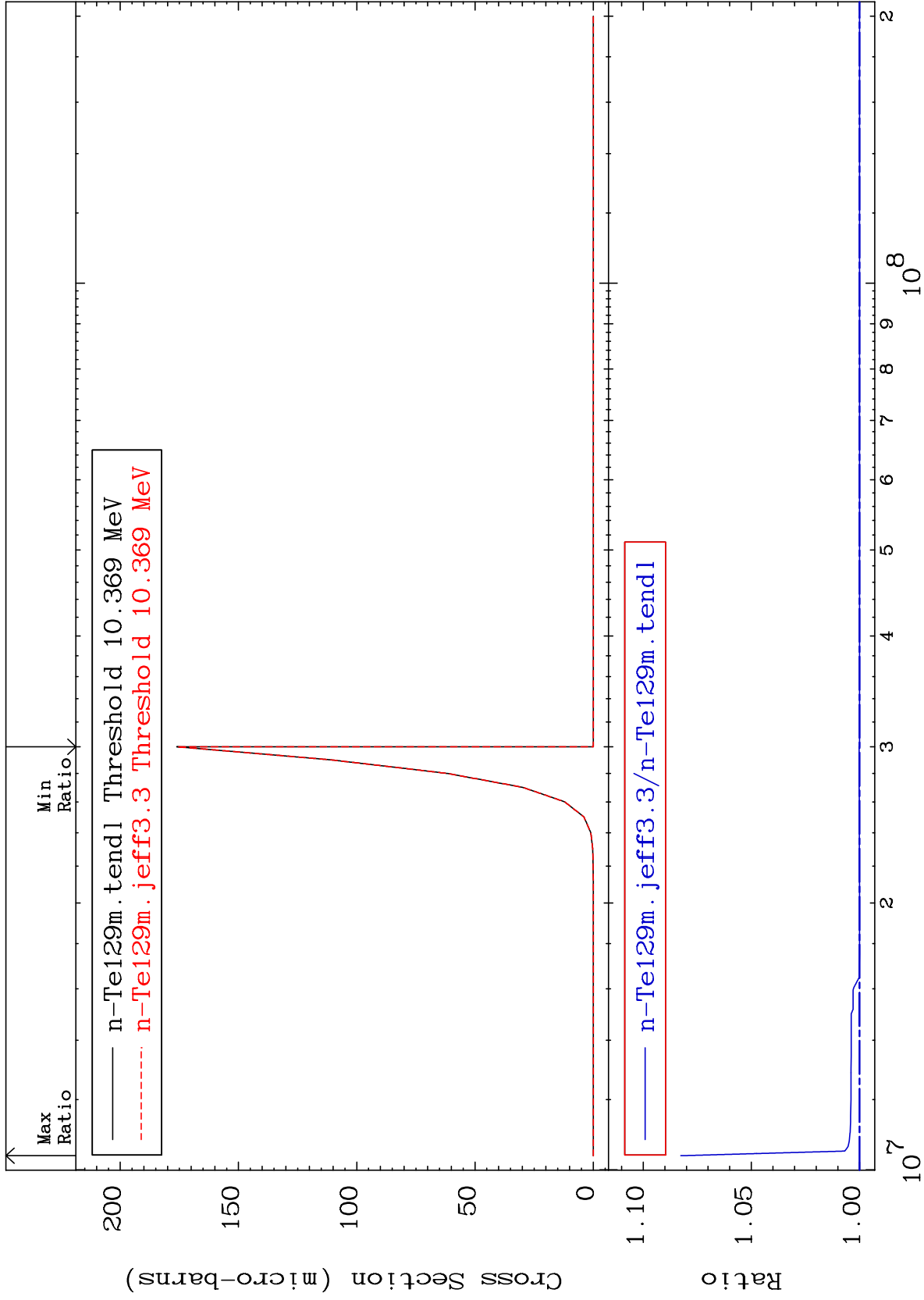
(n, He-3)

52-Te-129

Cross Section

0.000

To 8.263 %



Incident Energy (eV)

52-Te-129

50

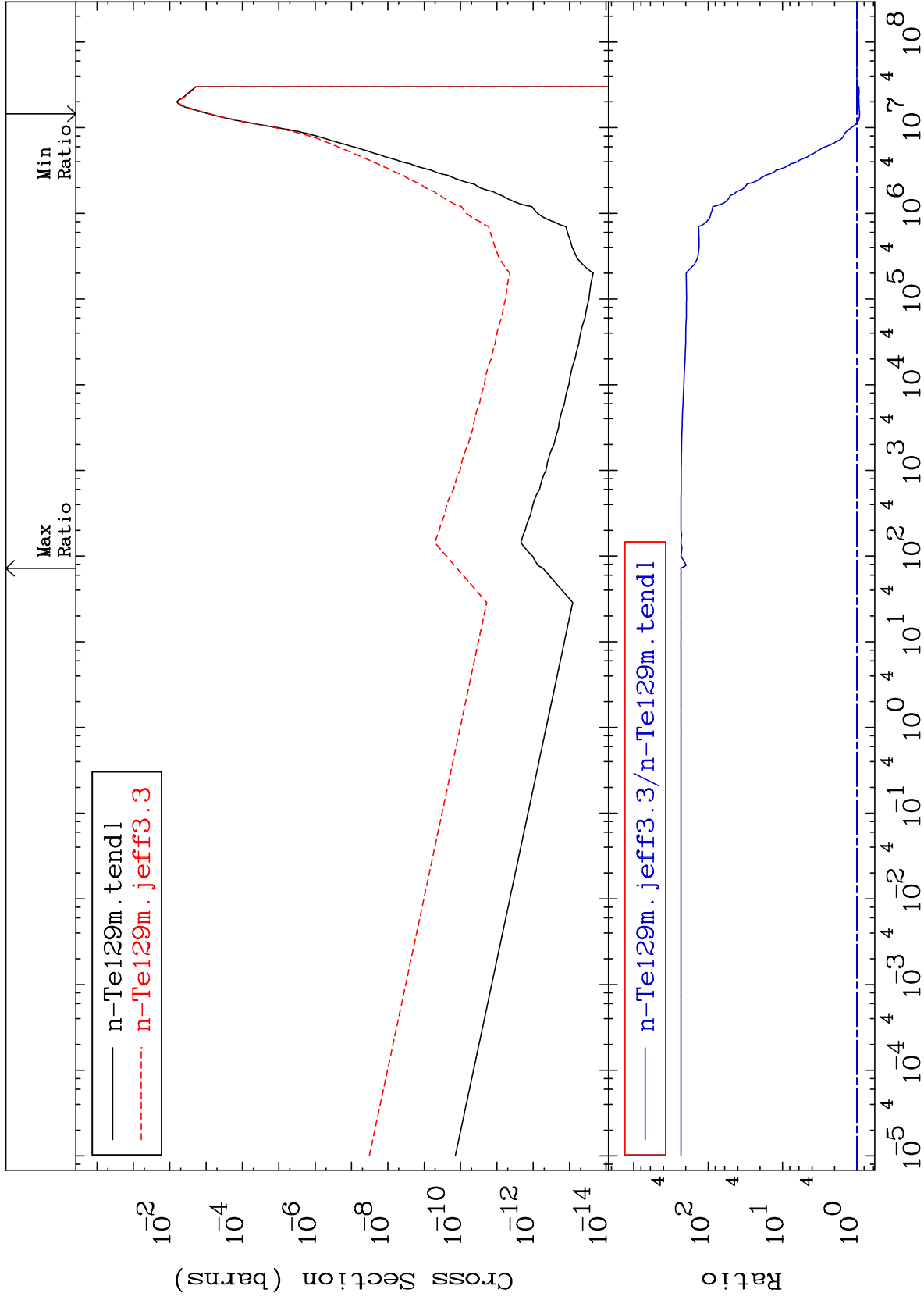
MAT 5253

(n,  $\alpha$ )

52-Te-129

Cross Section

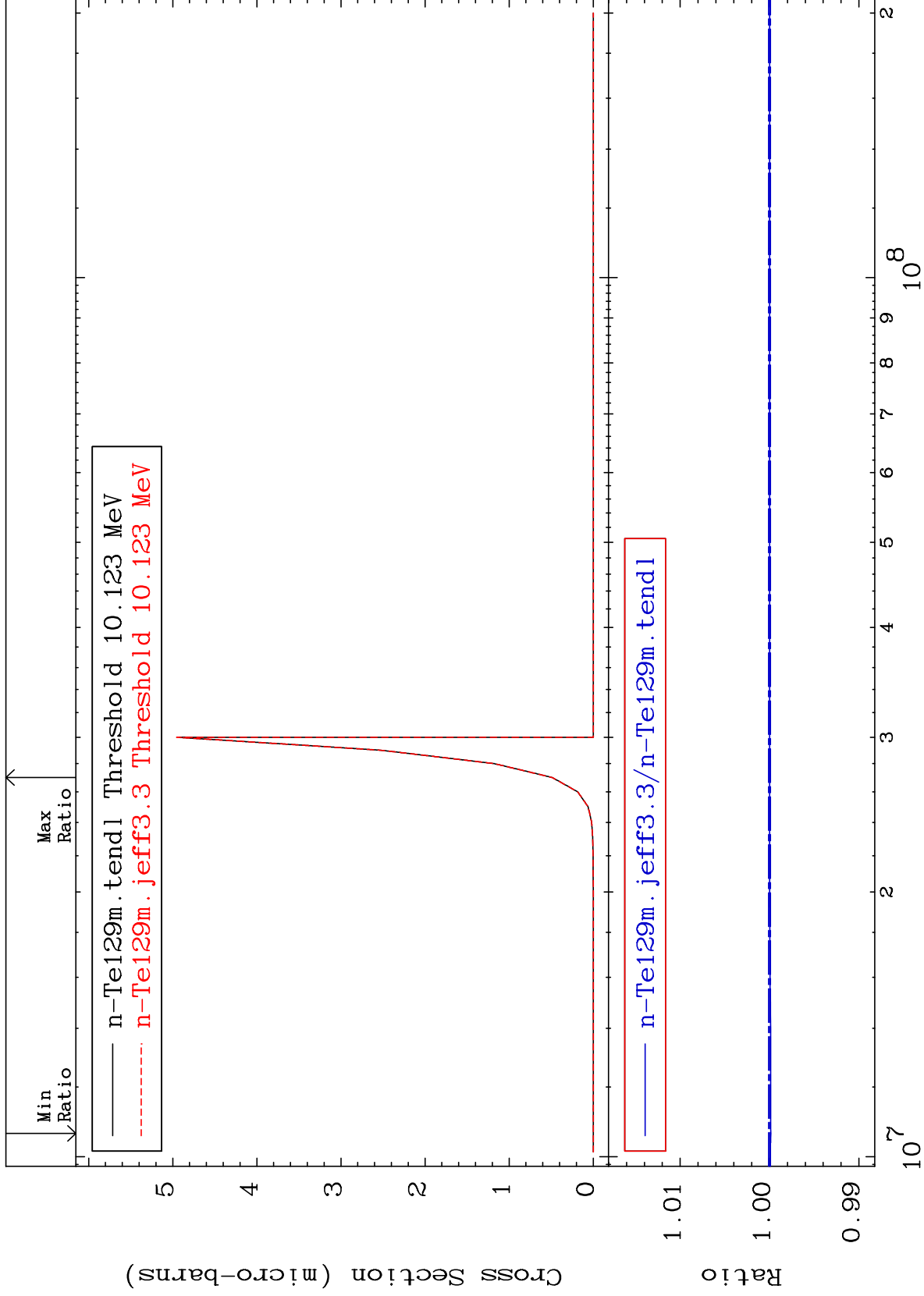
-7.844 To 9999. %



MAT 5253

(n, 2p)  
Cross Section

52-Te-129  
-0.014 To 0.000 %



52

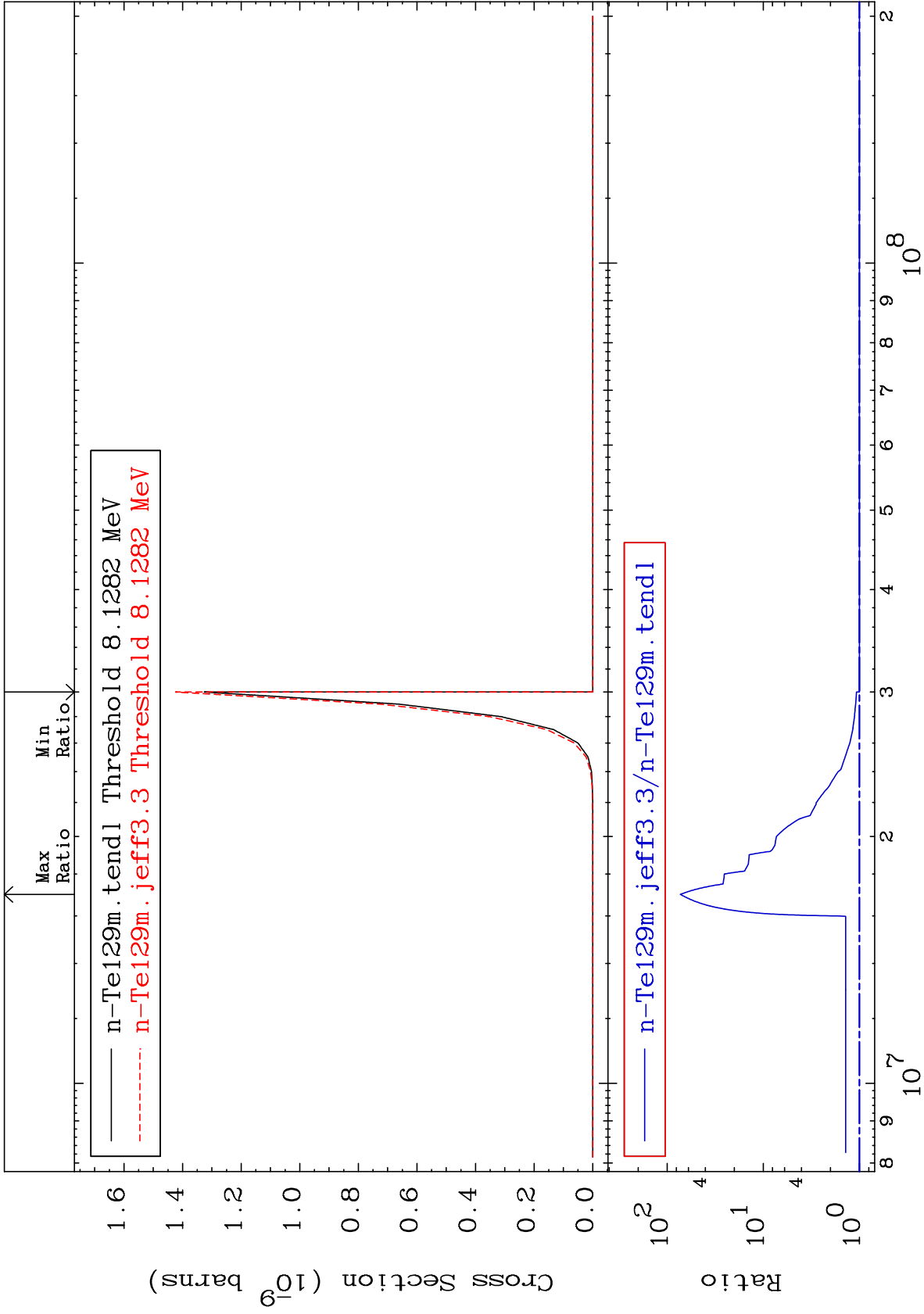
Incident Energy (eV)

52-Te-129

MAT 5253

(n, p)  $\alpha$

52-Te-129  
0.000 To 7176. %



MAT 5253

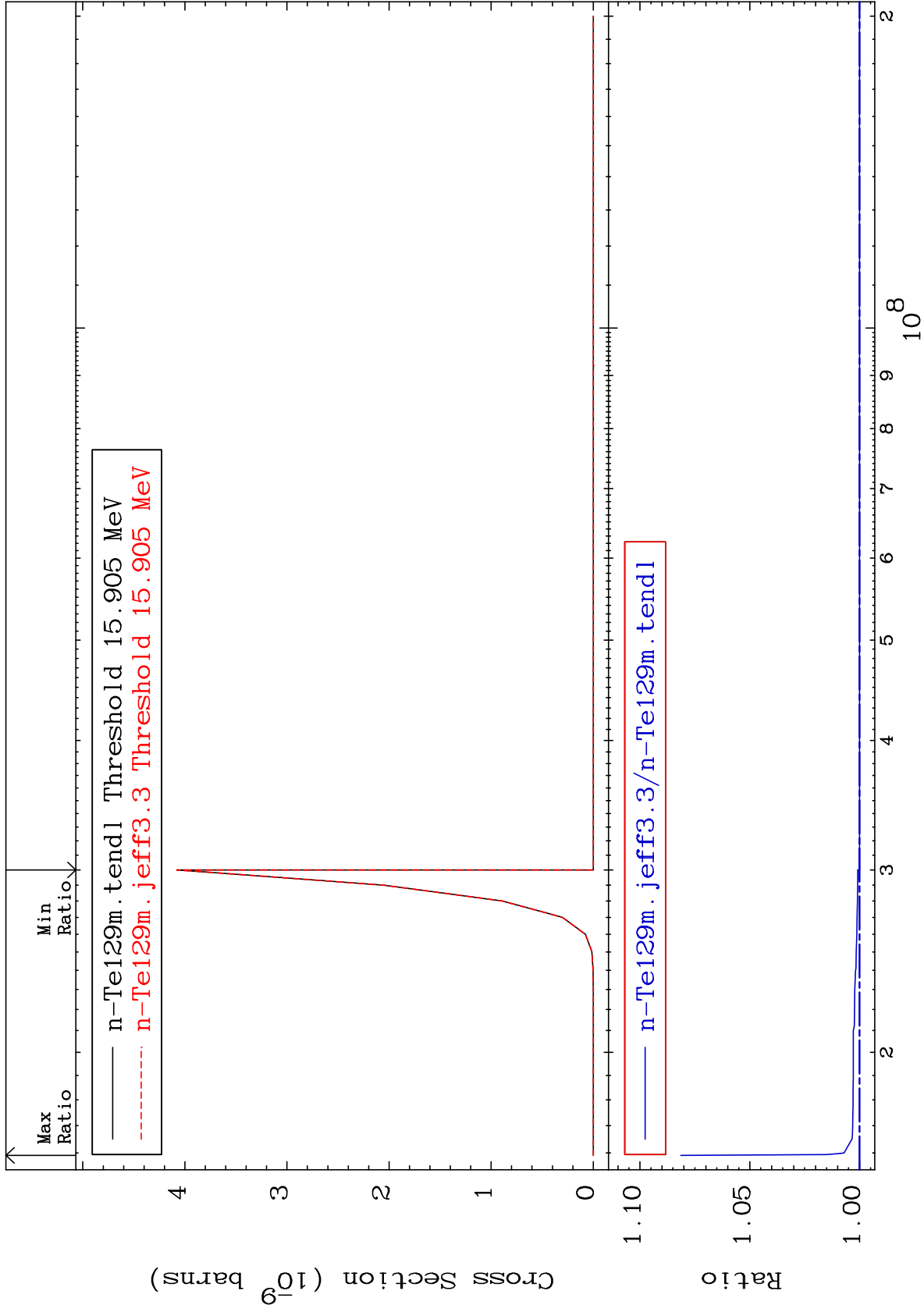
(n,p) d

52-Te-129

Cross Section

0.000

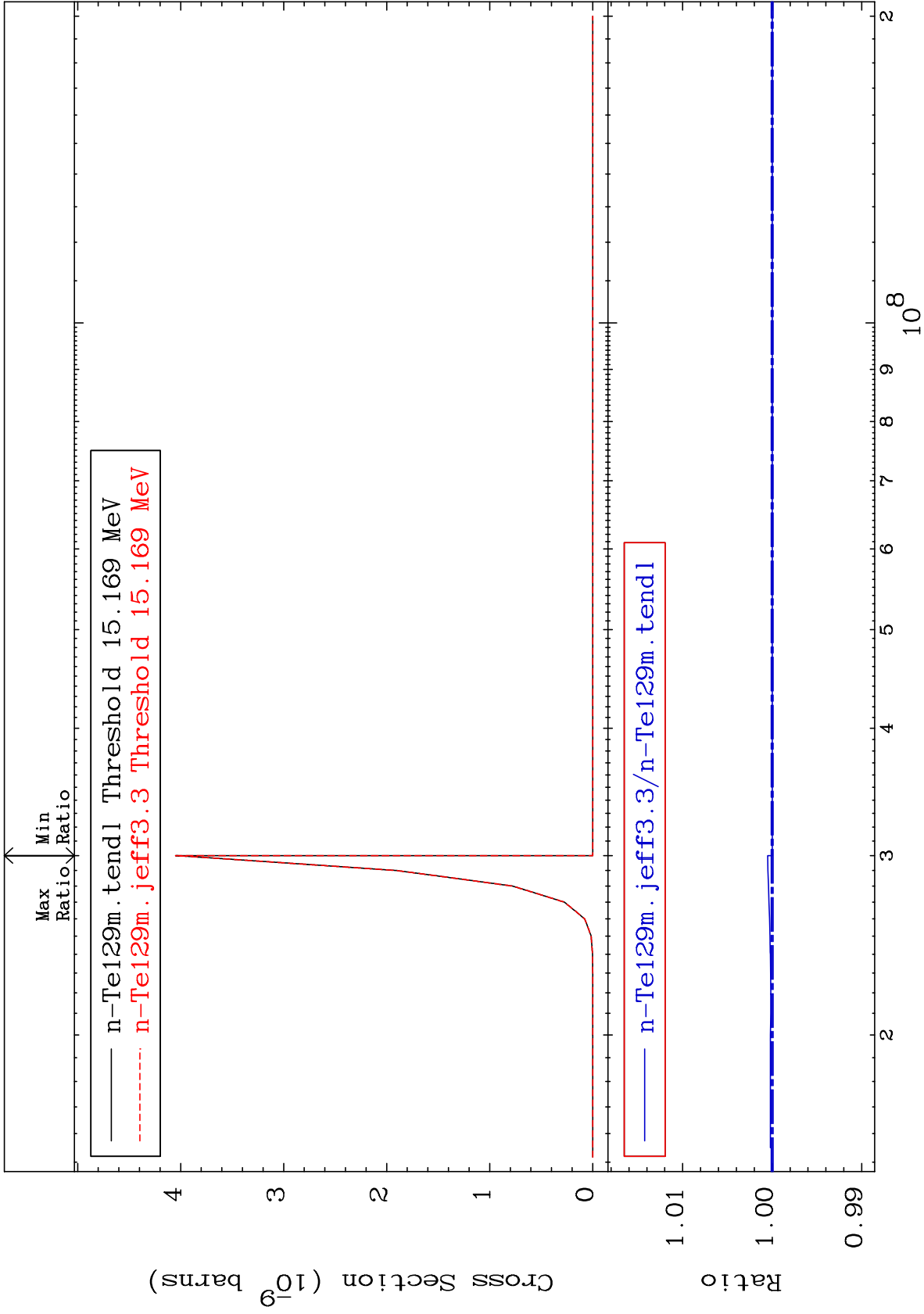
To 8.140 %

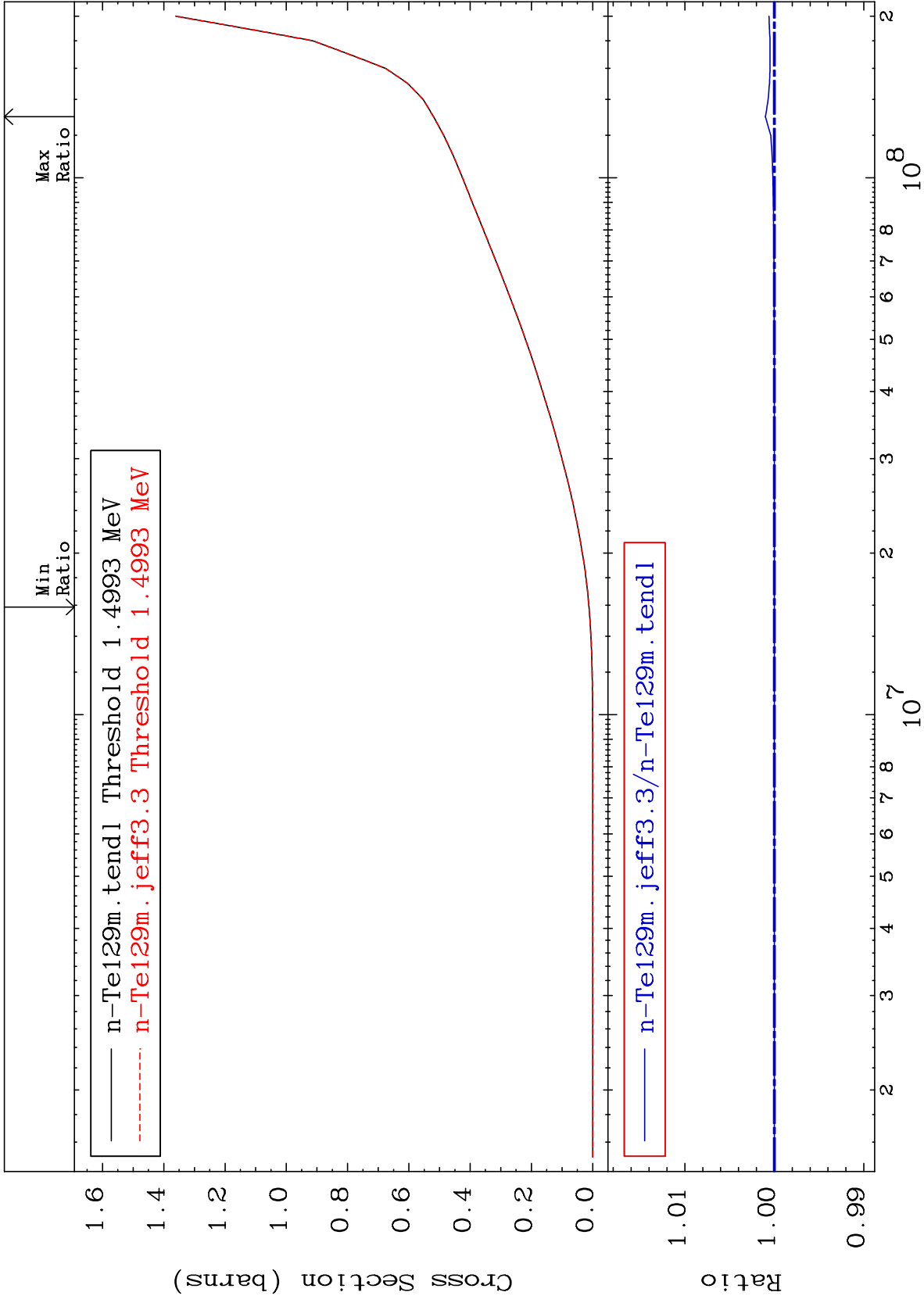


MAT 5253

(n, p) t  
Cross Section

52-Te-129  
0.000 To 0.051 %



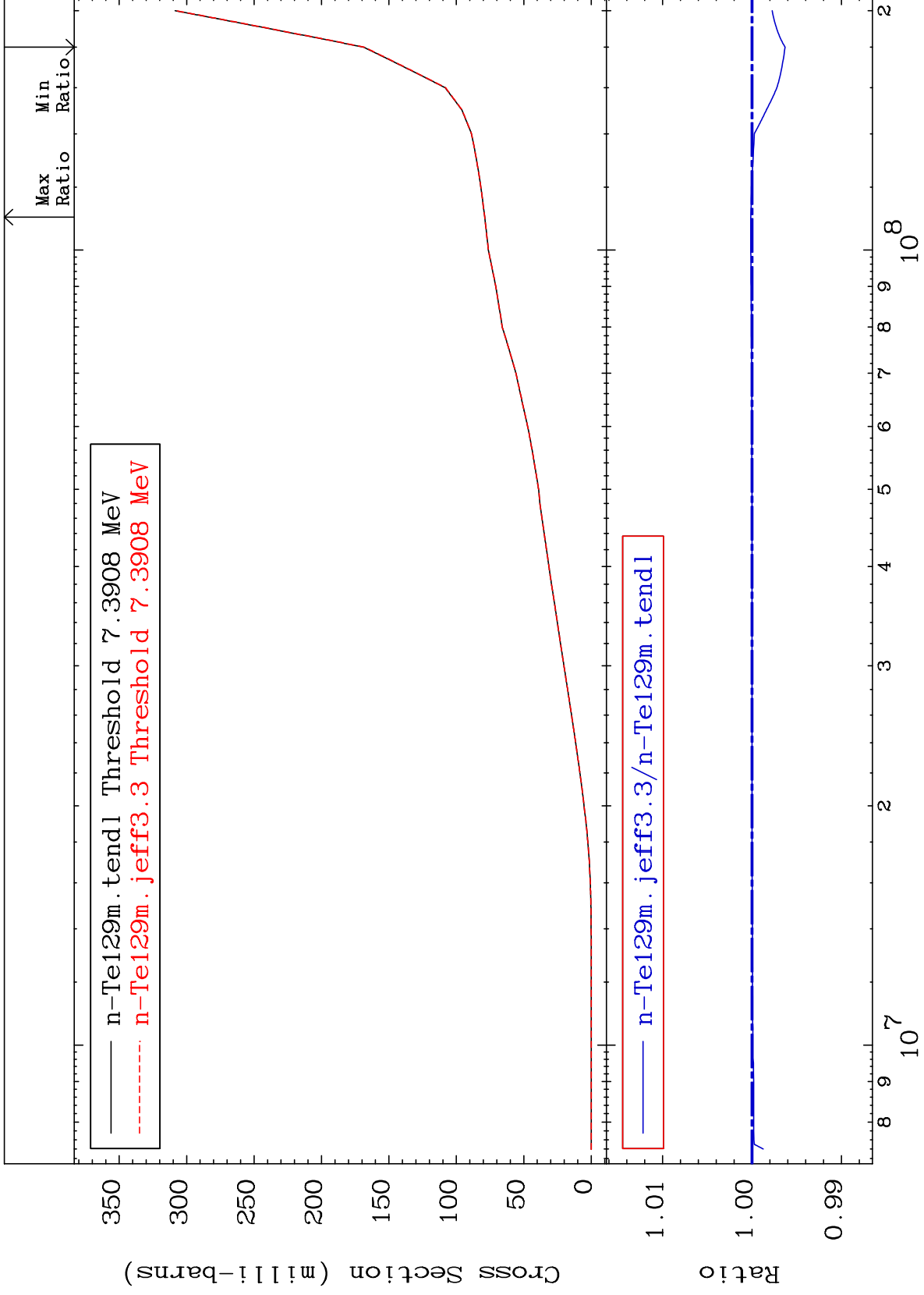




MAT 5253

Deuterium Production  
Cross Section

52-Te-129  
-0.370 To 0.013 %



57

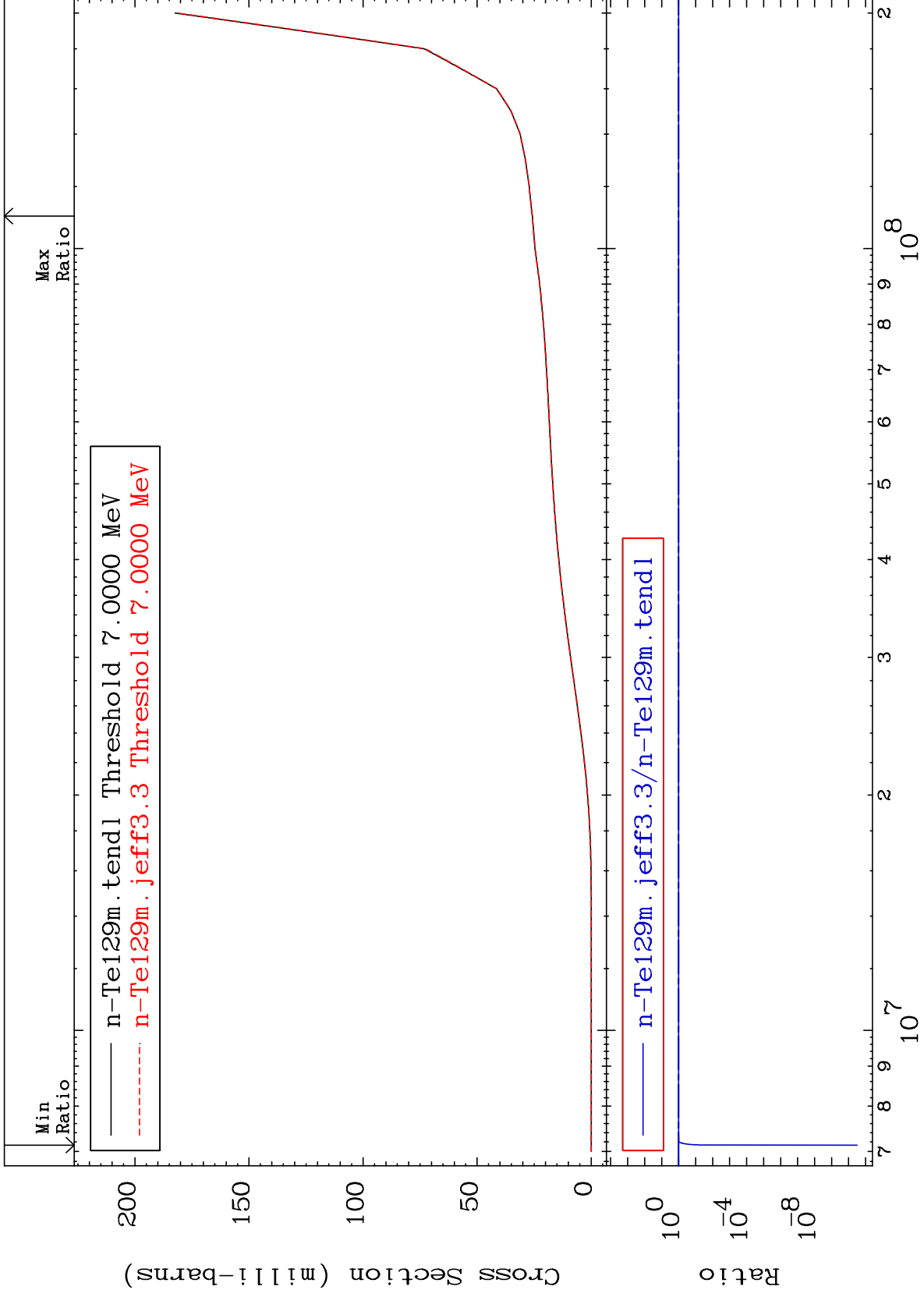
Incident Energy (eV)

52-Te-129

MAT 5253

Tritium Production  
Cross Section

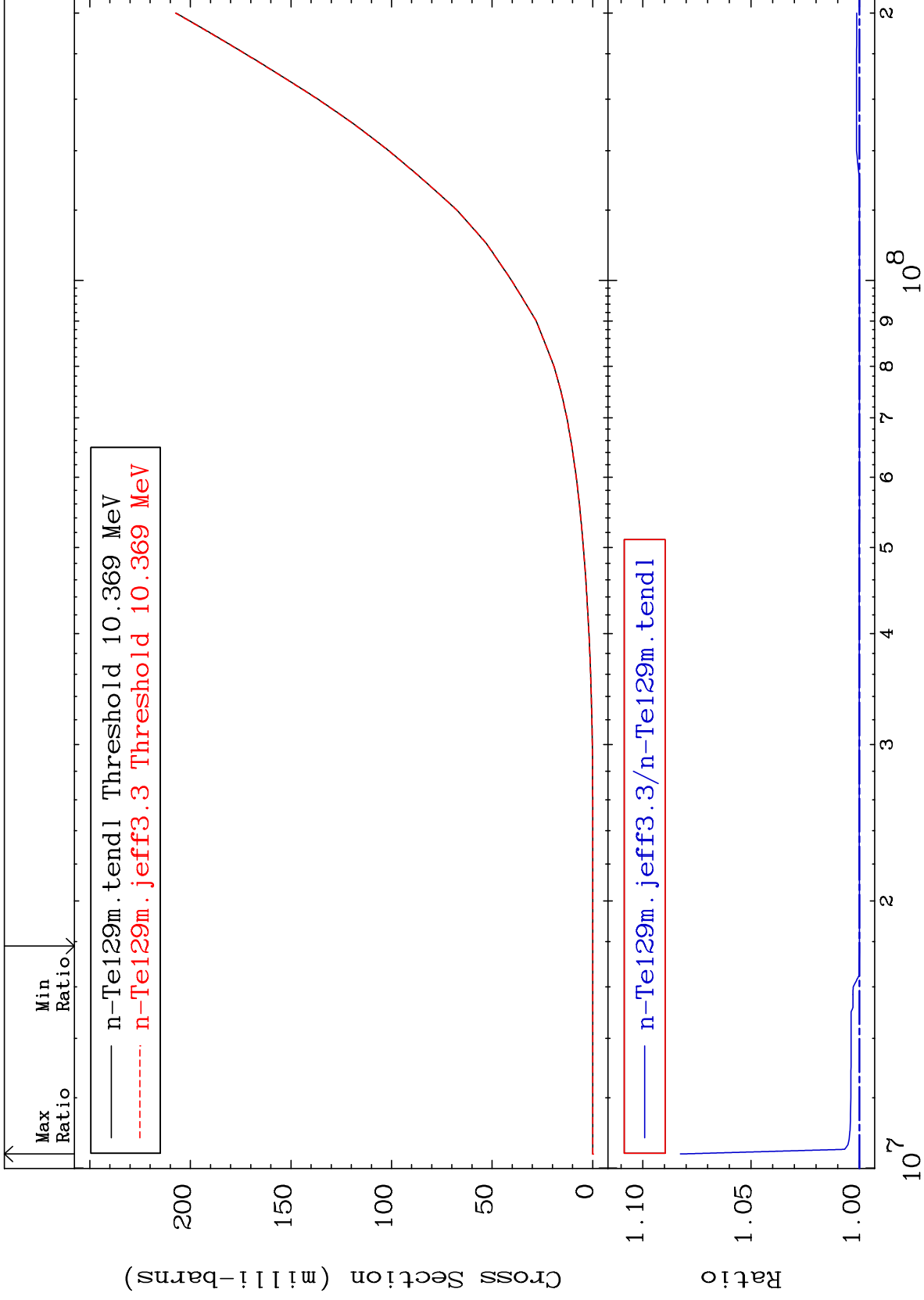
52-Te-129  
-100.0 To 0.021 %



MAT 5253

He-3 Production  
Cross Section

52-Te-129  
To 8.263 %



59

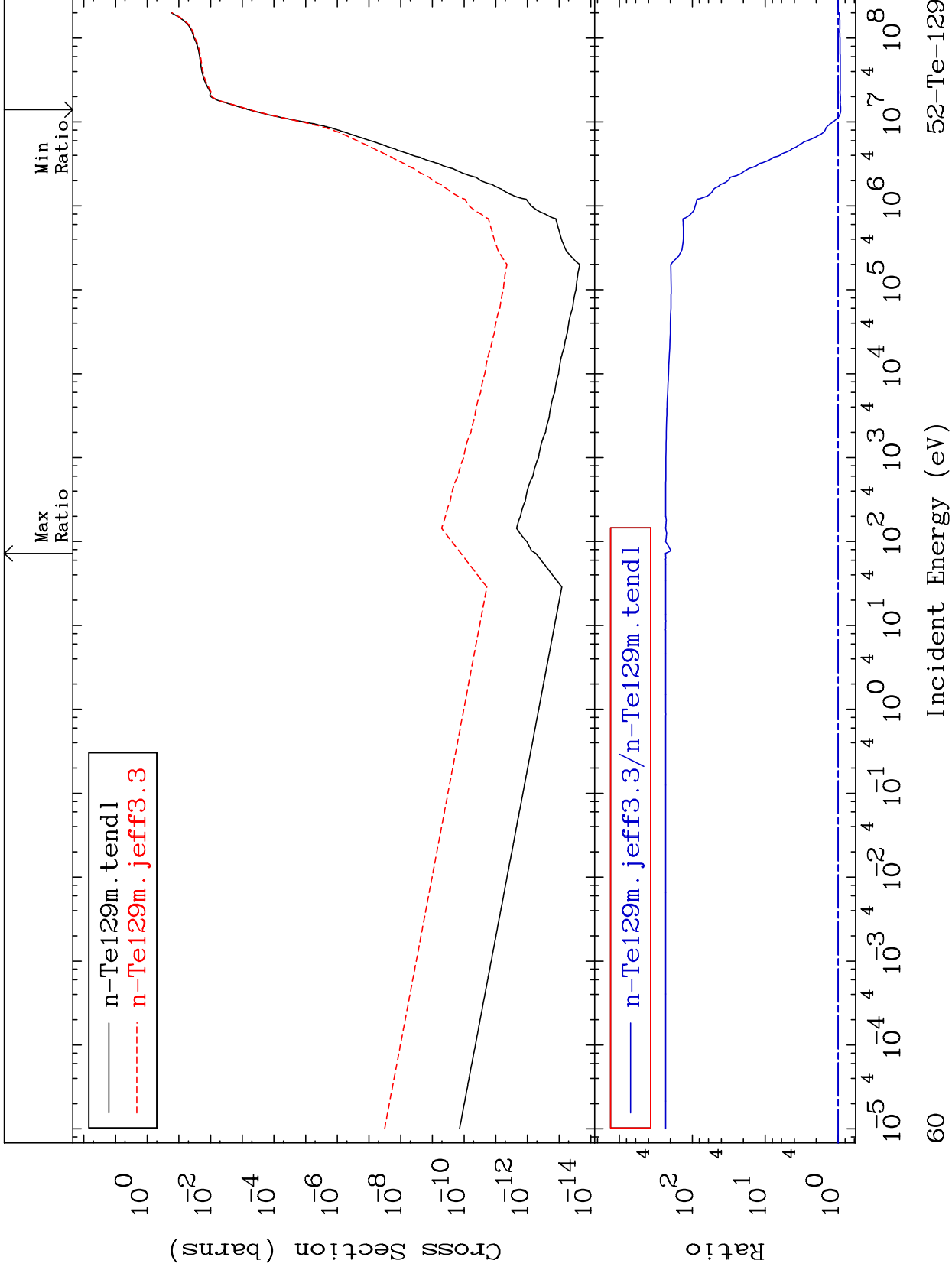
Incident Energy (eV)

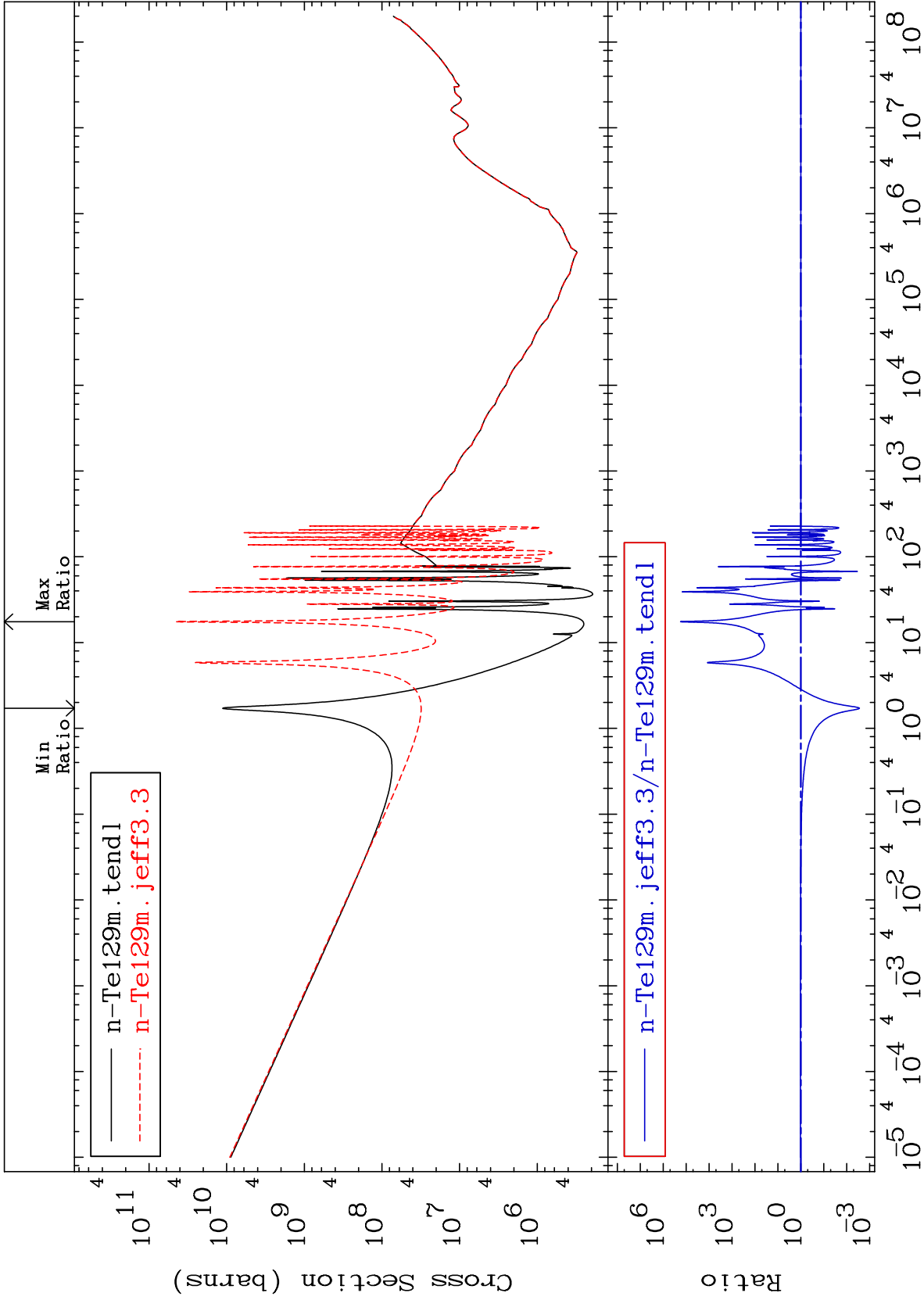
52-Te-129

MAT 5253

He-4 Production  
Cross Section

52-Te-129  
-7.553 To 9999. %

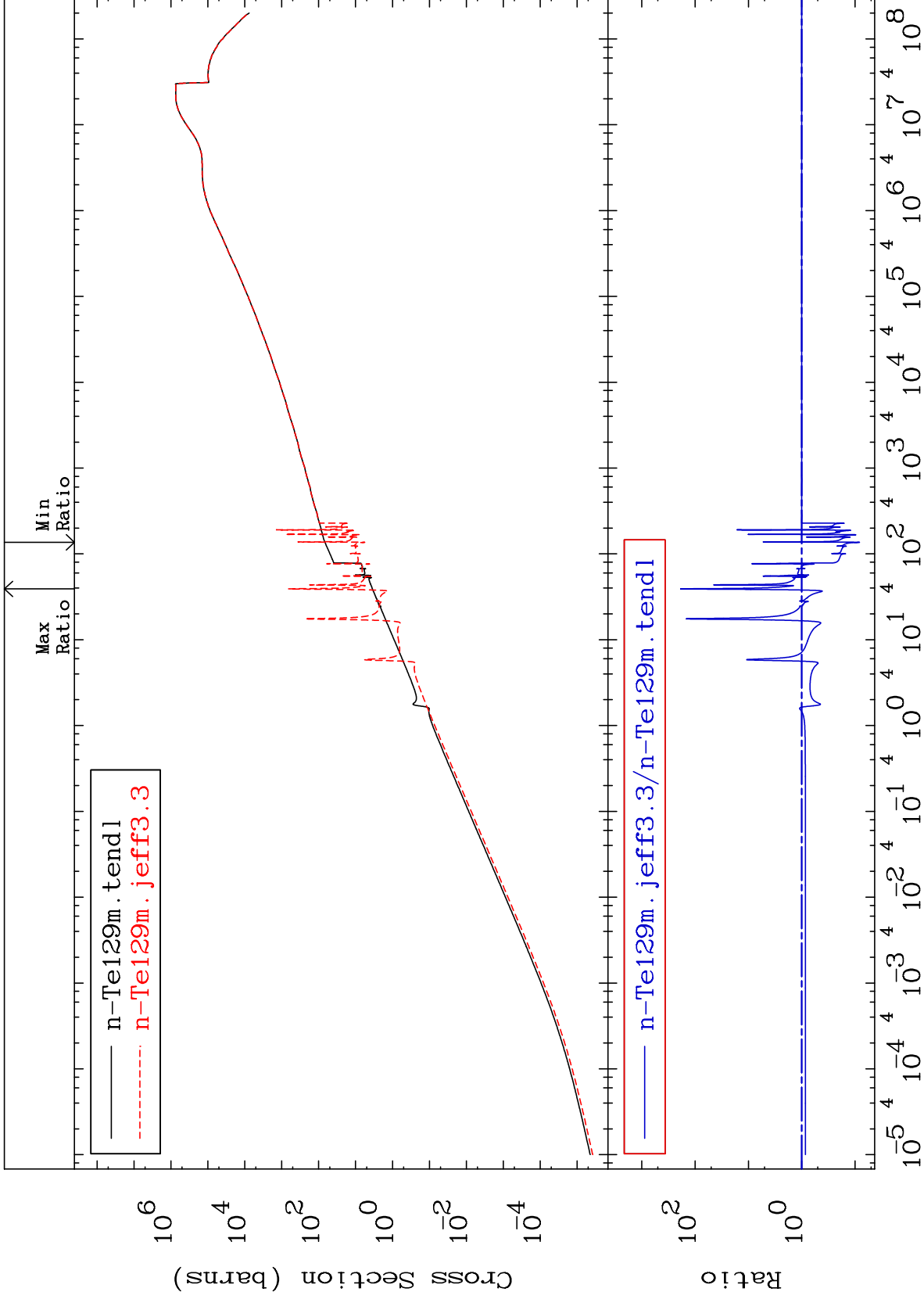




MAT 5253

Kerma elastic  
Cross Section

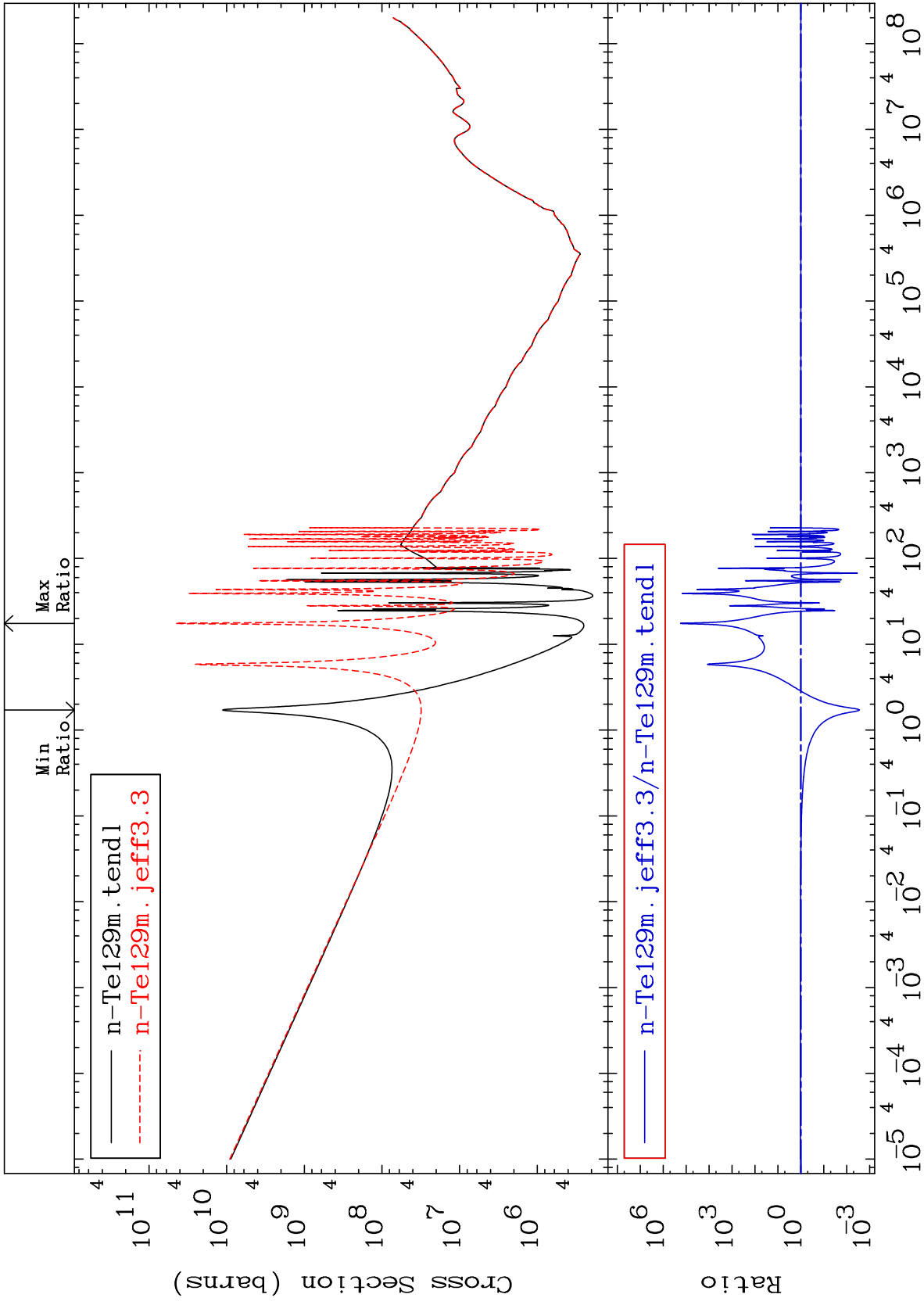
52-Te-129  
-91.73 To 9999. %

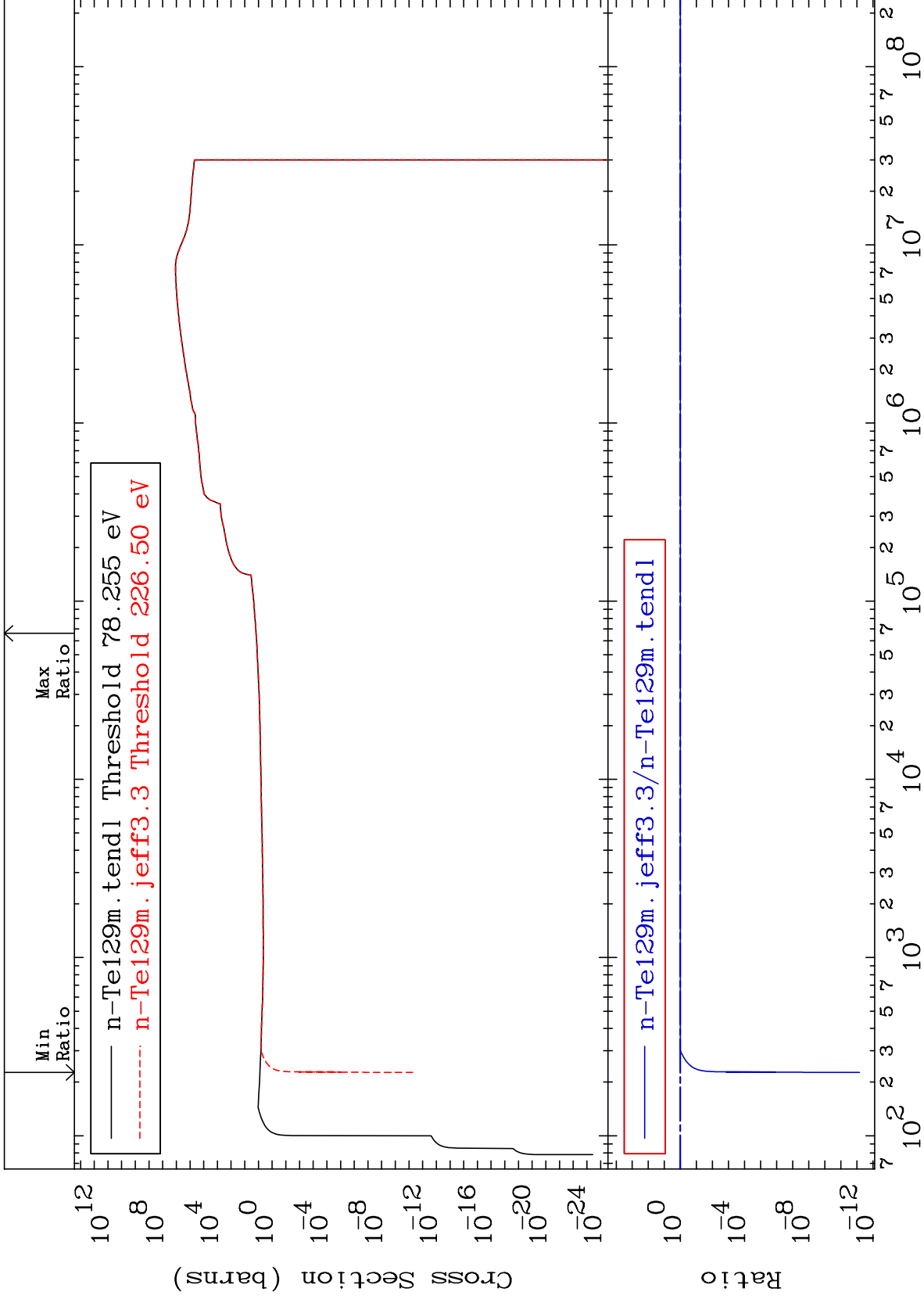


62

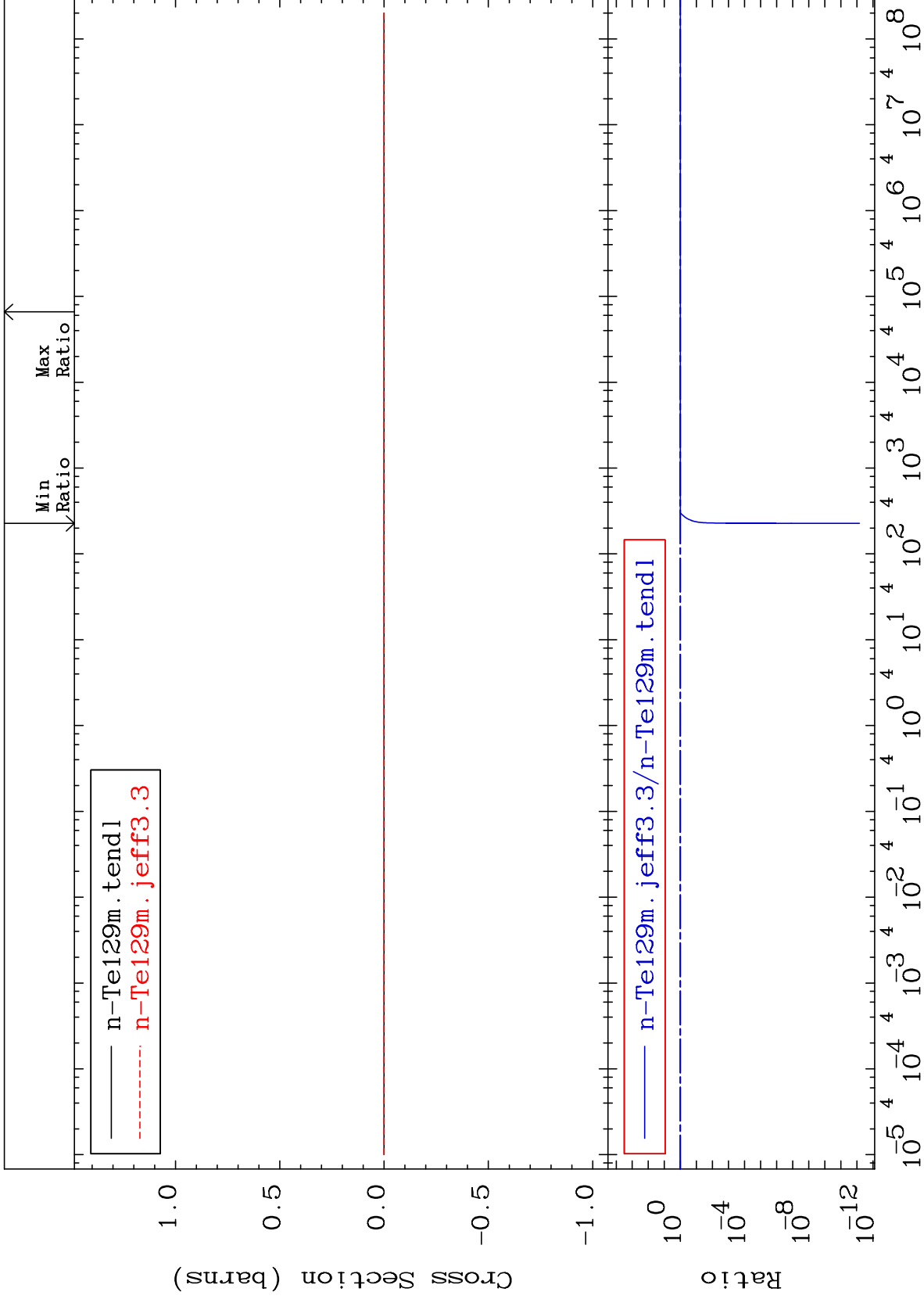
Incident Energy (eV)

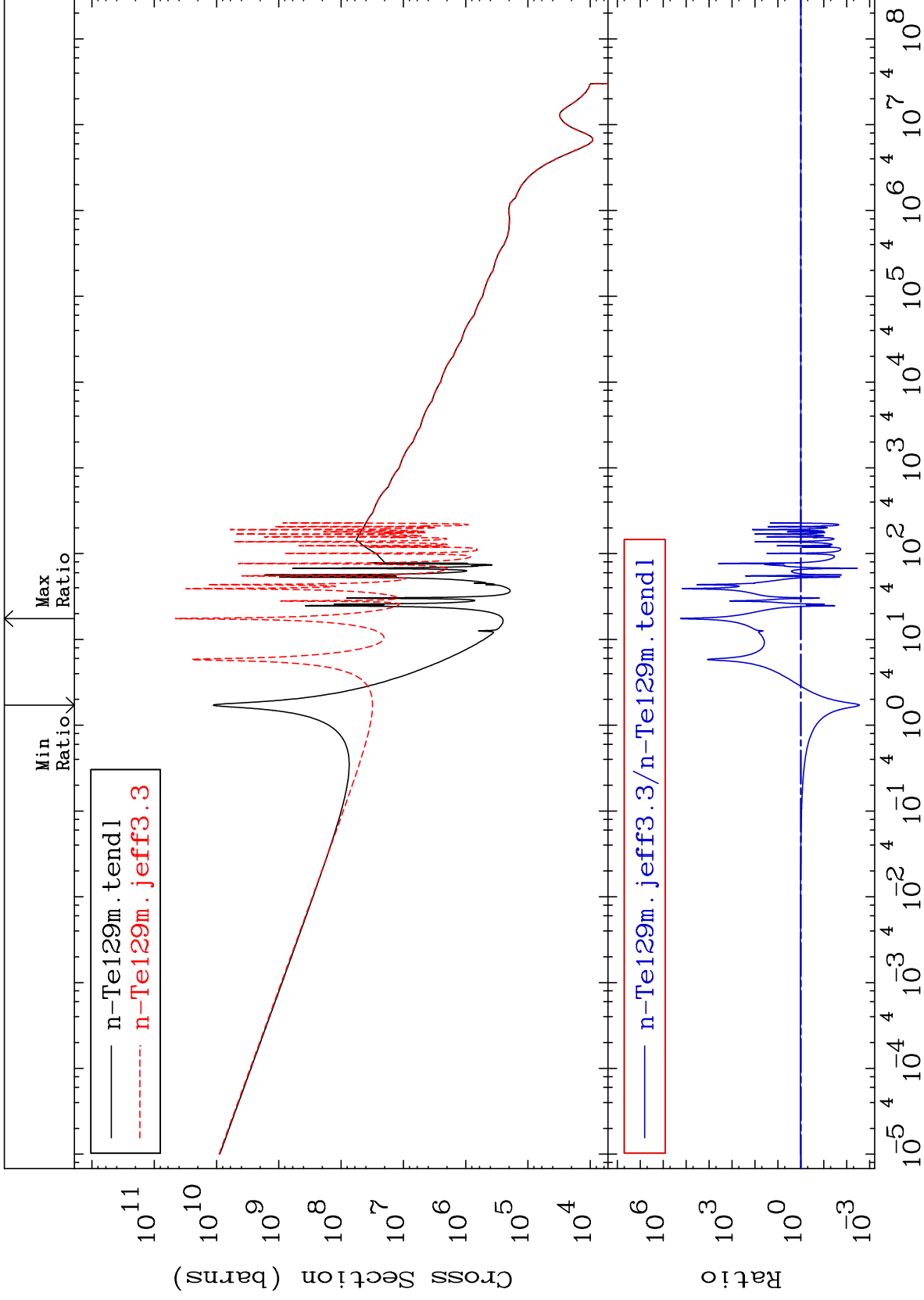
52-Te-129







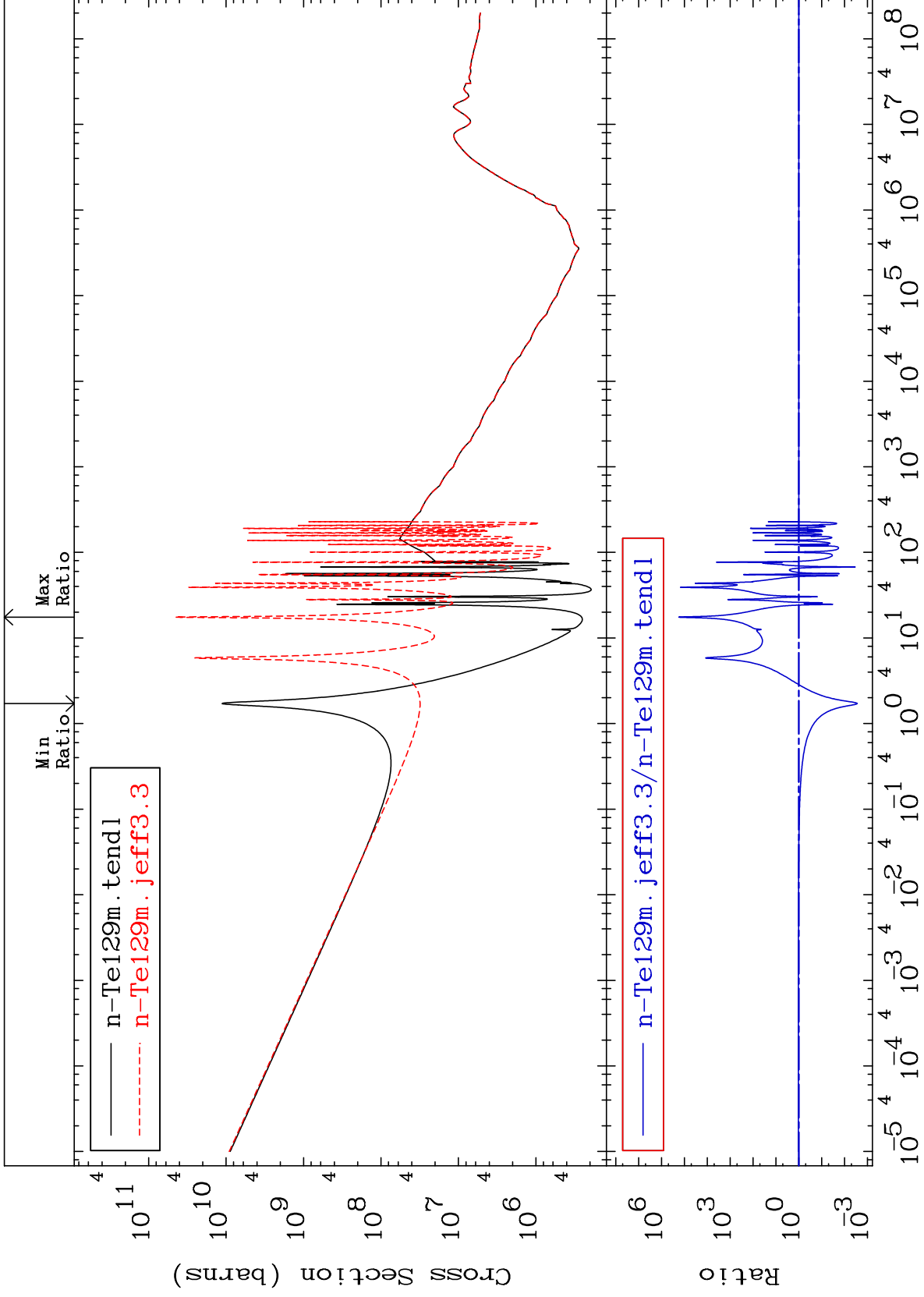




MAT 5253

Total photon (eV-barns)  
Cross Section

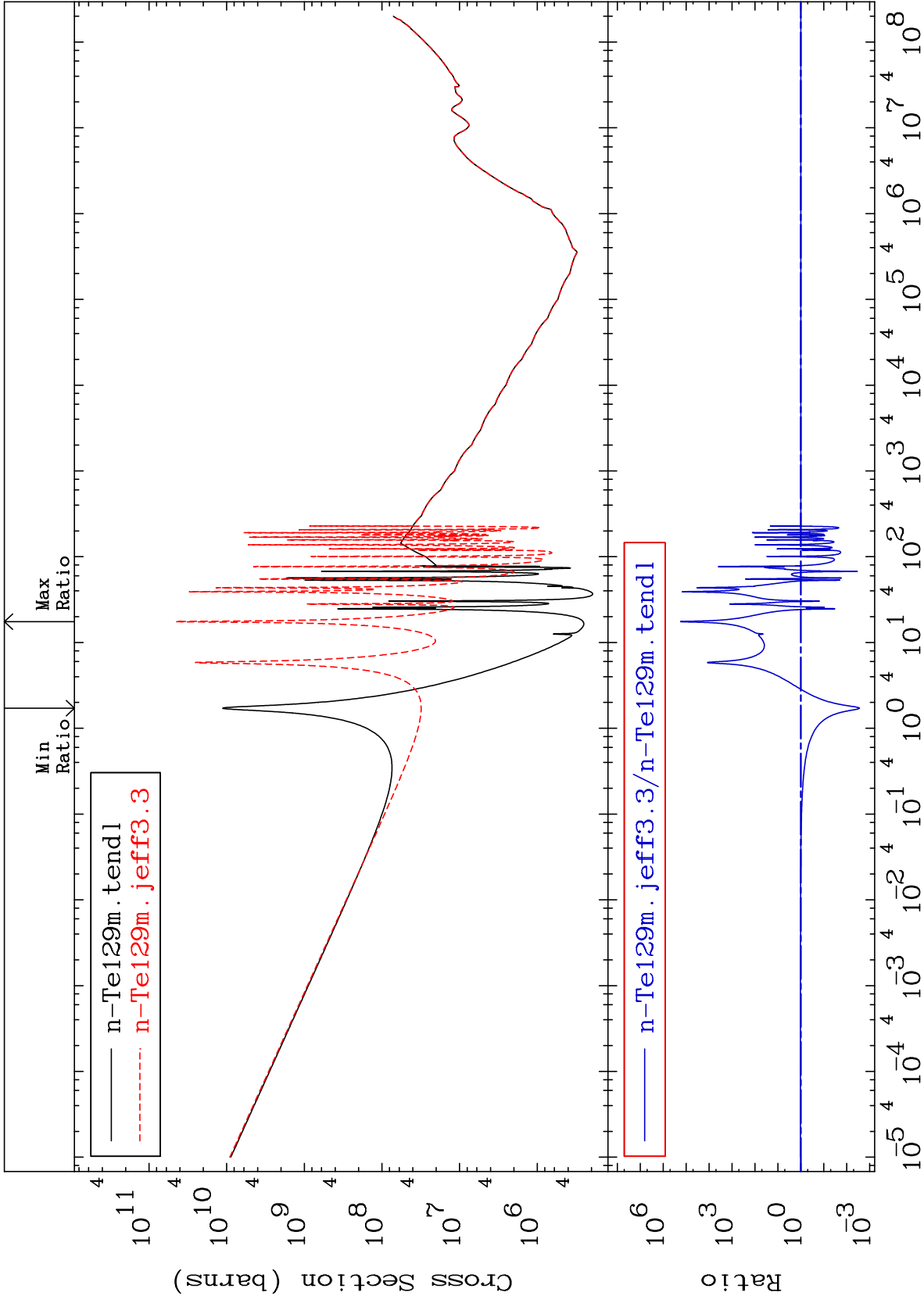
52-Te-129  
-99.72 To 9999. %

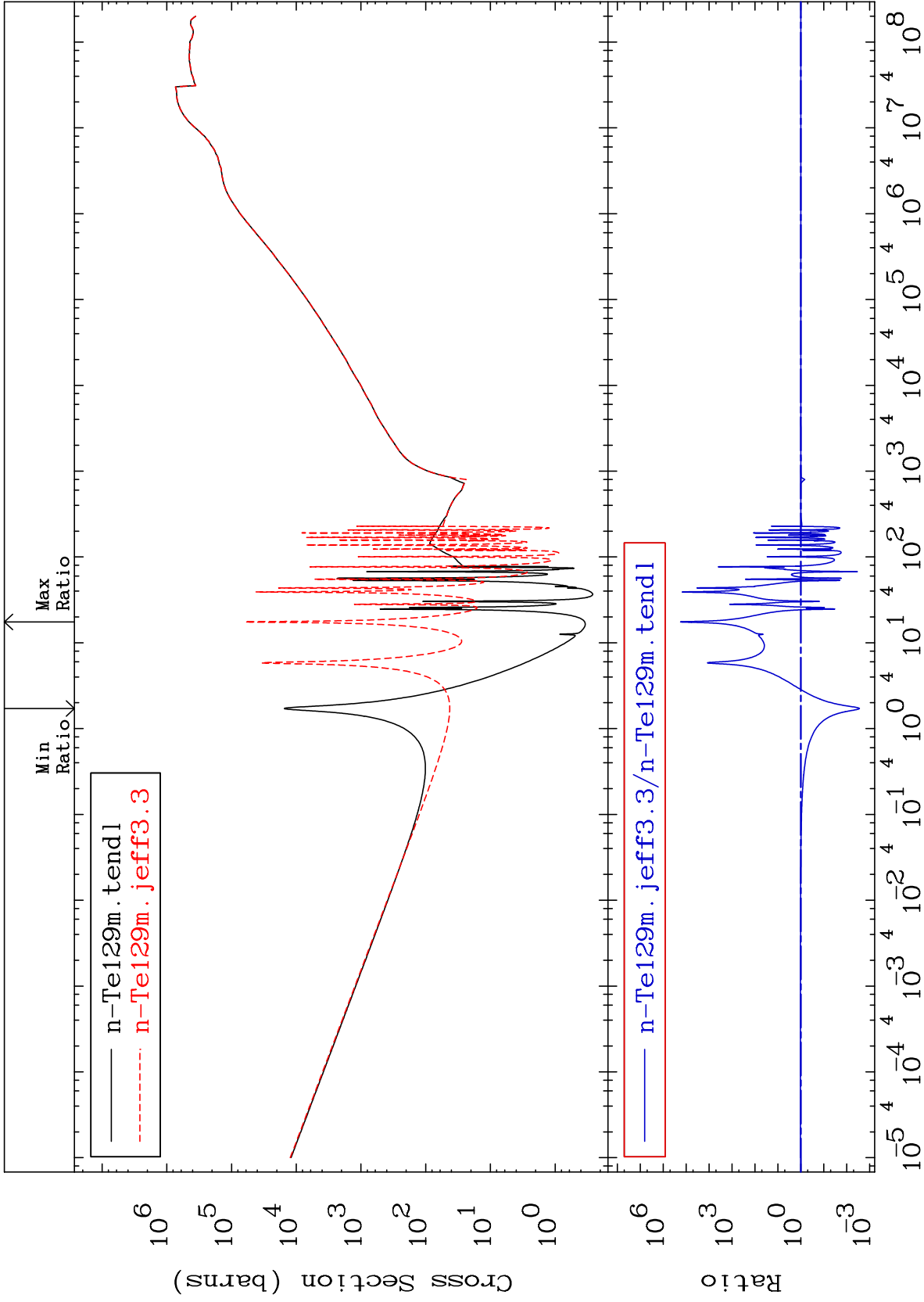


67

Incident Energy (eV)

52-Te-129

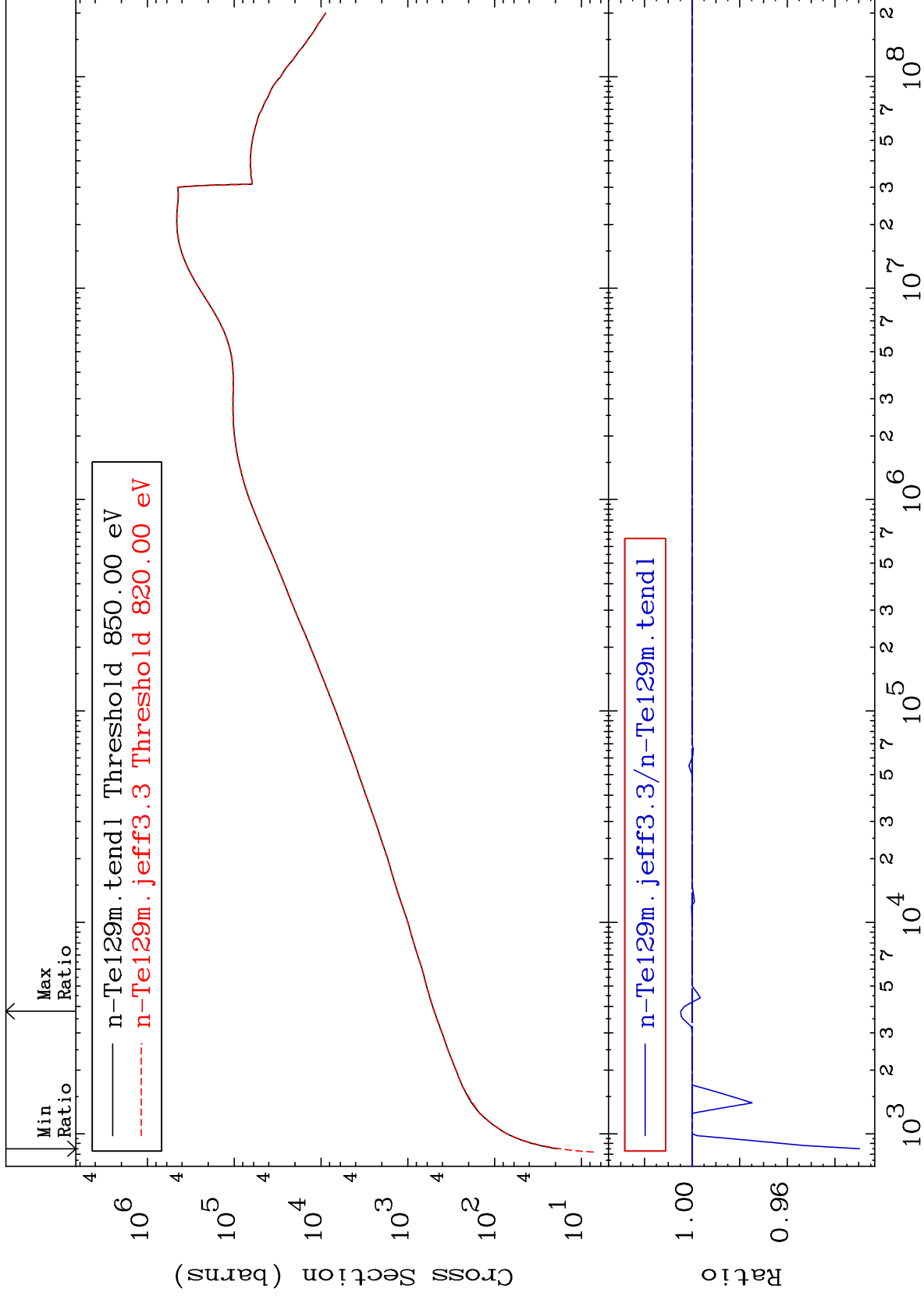




MAT 5253

Dpa elastic (mt2)  
Cross Section

52-Te-129  
-7.031 To 0.476 %



70

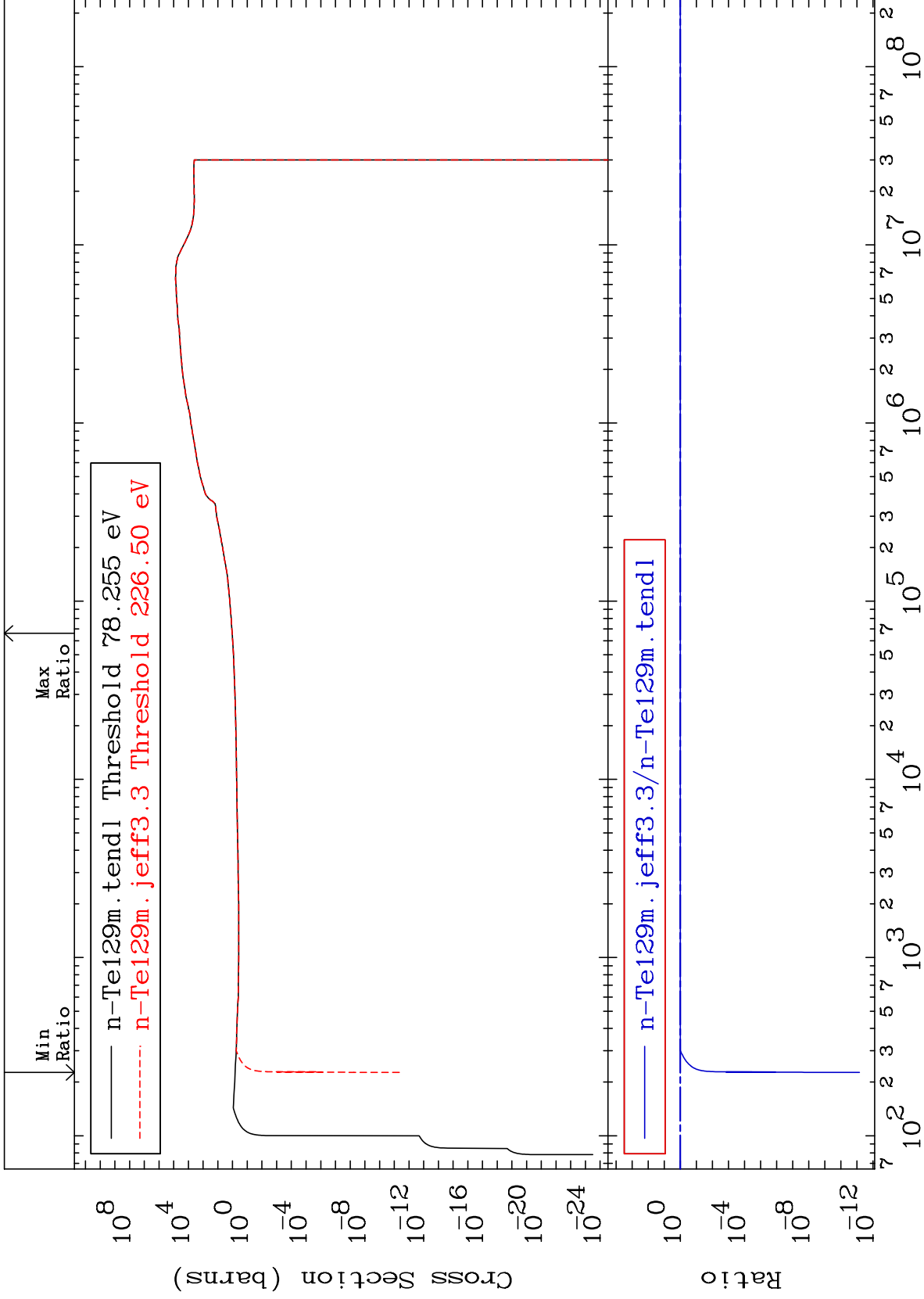
Incident Energy (eV)

52-Te-129

MAT 5253

Dpa inelastic (mt51-91)  
Cross Section

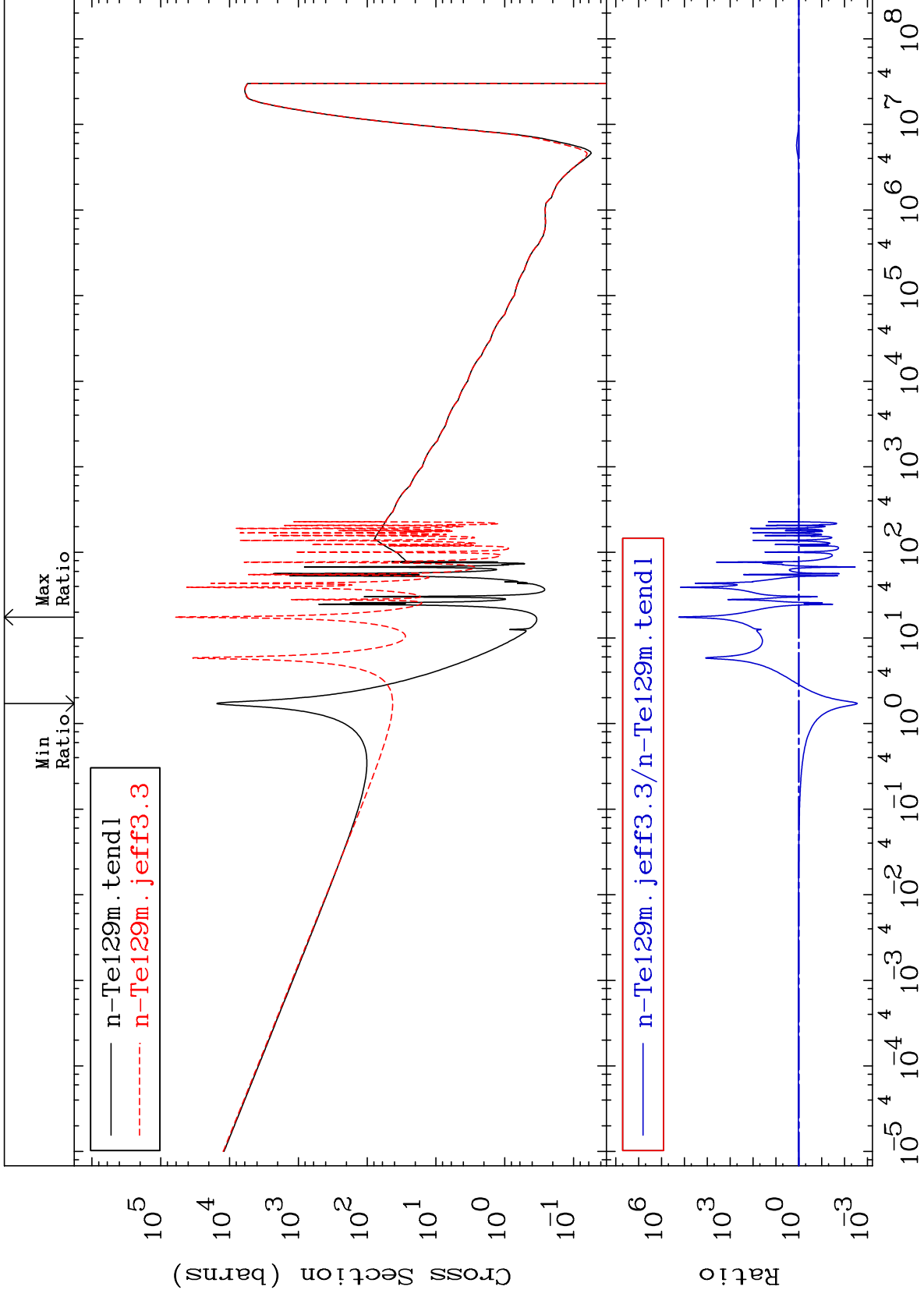
52-Te-129  
-100.0 To 0.098 %



71

Incident Energy (eV)

52-Te-129



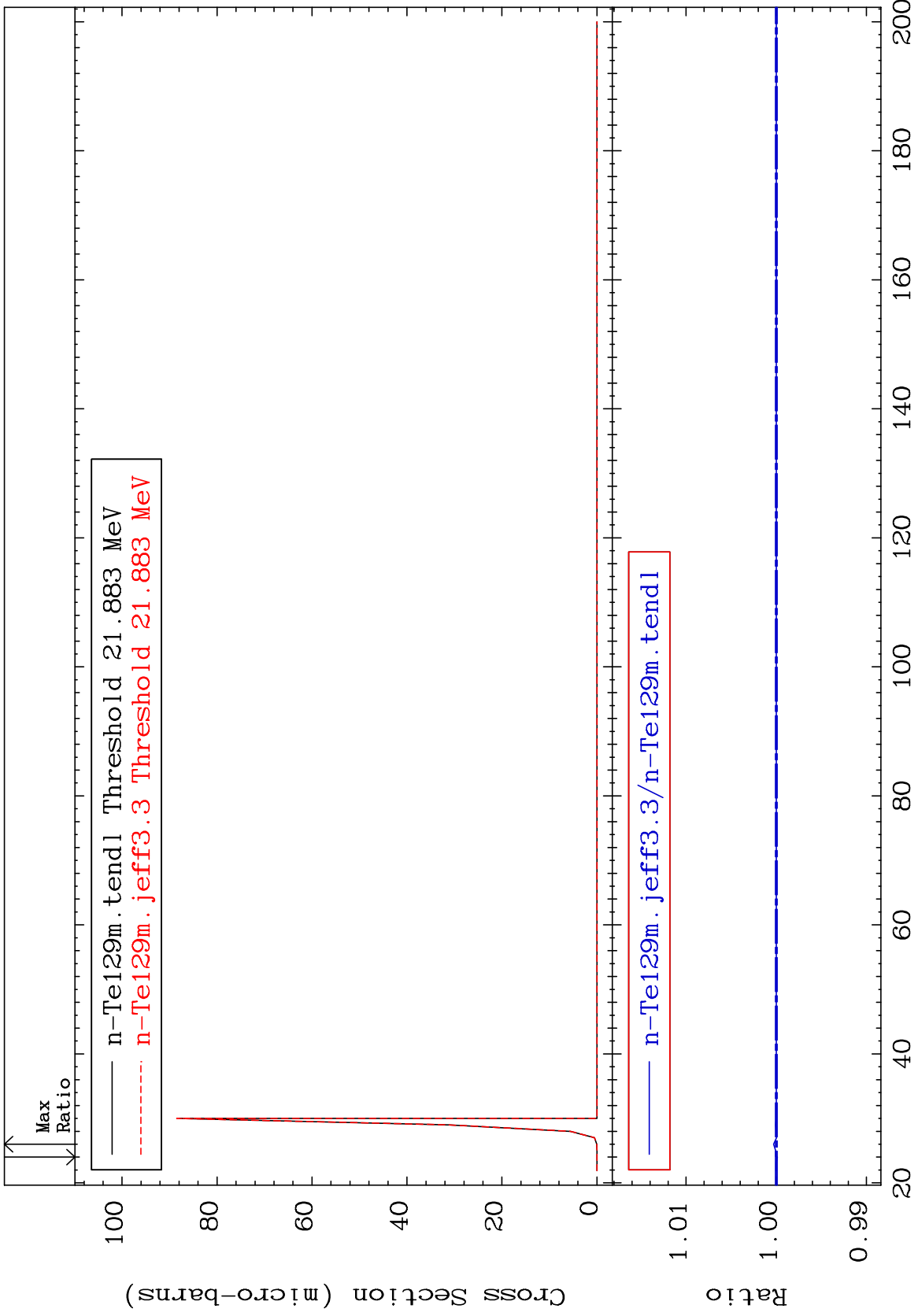


MAT 5253

(n,2n) d:51-Sb-126g

52-Te-129

Radionuclide Production Cross Section -0.011 To 0.031 %



73

Incident Energy (MeV)

52-Te-129

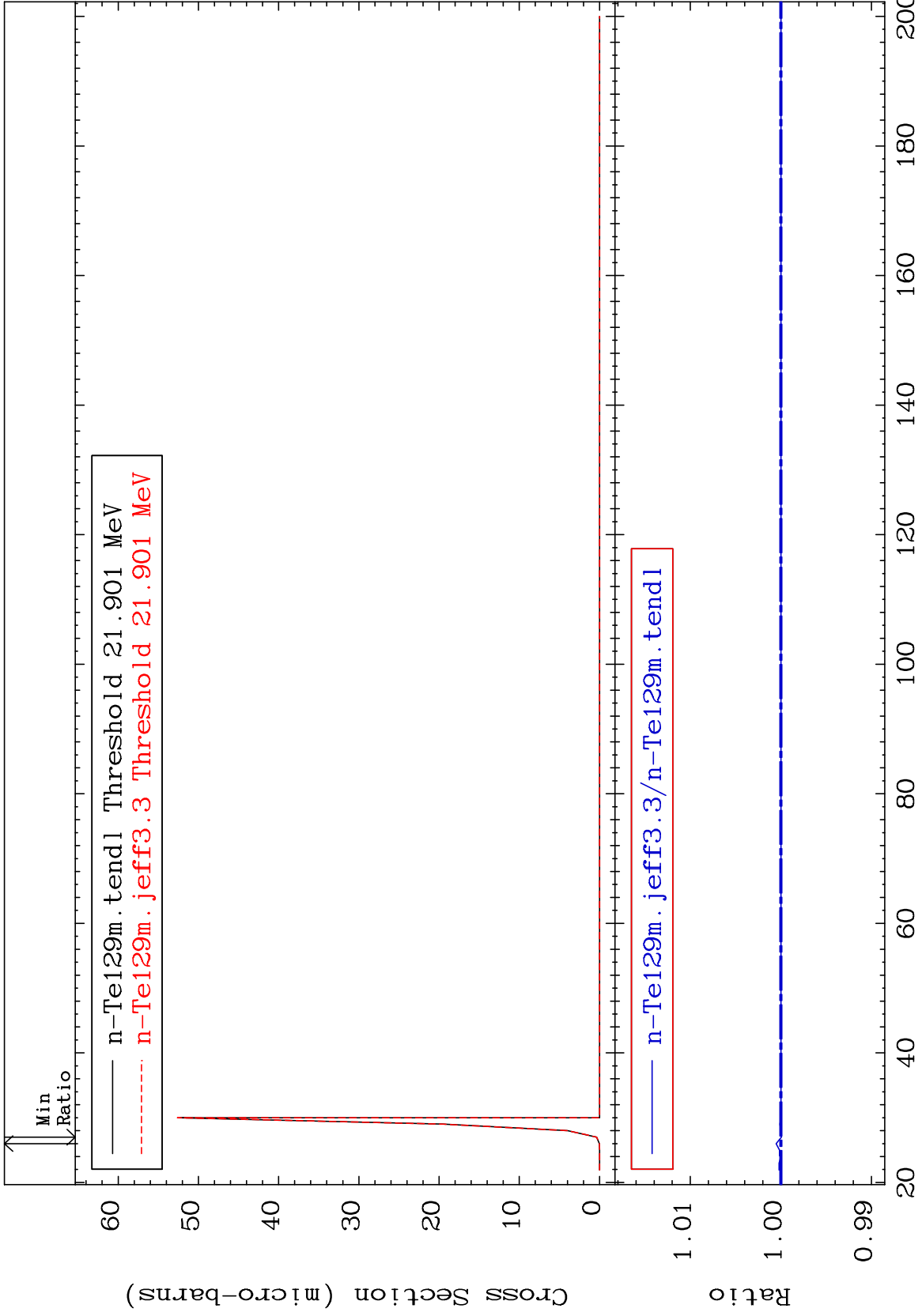
MAT 5253

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

52-Te-129

Radionuclide Production Cross Section

-0.006 To 0.052 %



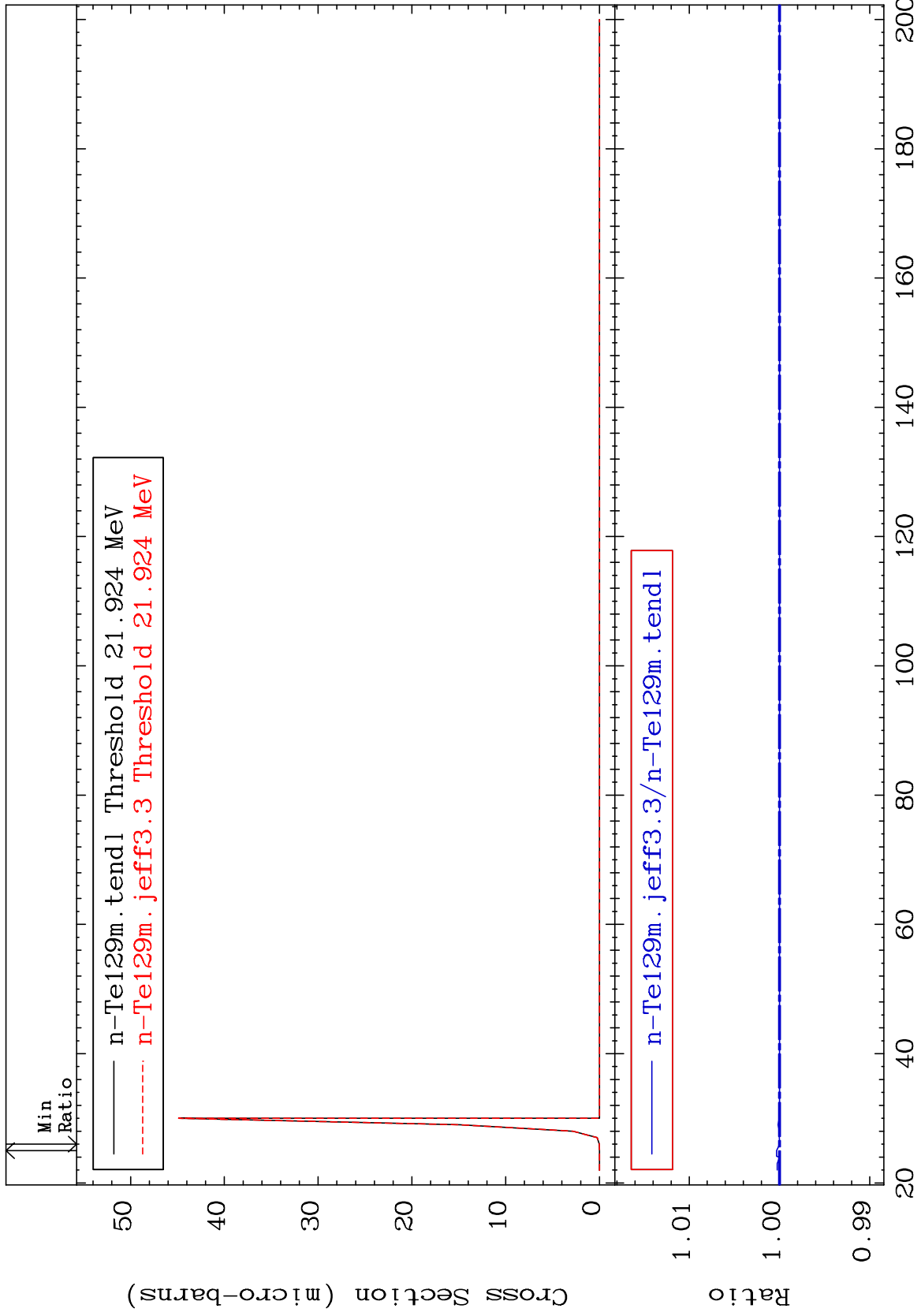
MAT 5253

(n,2n) d:51-Sb-126m2

52-Te-129

Radionuclide Production Cross Section

-0.002 To 0.032 %



75

Incident Energy (MeV)

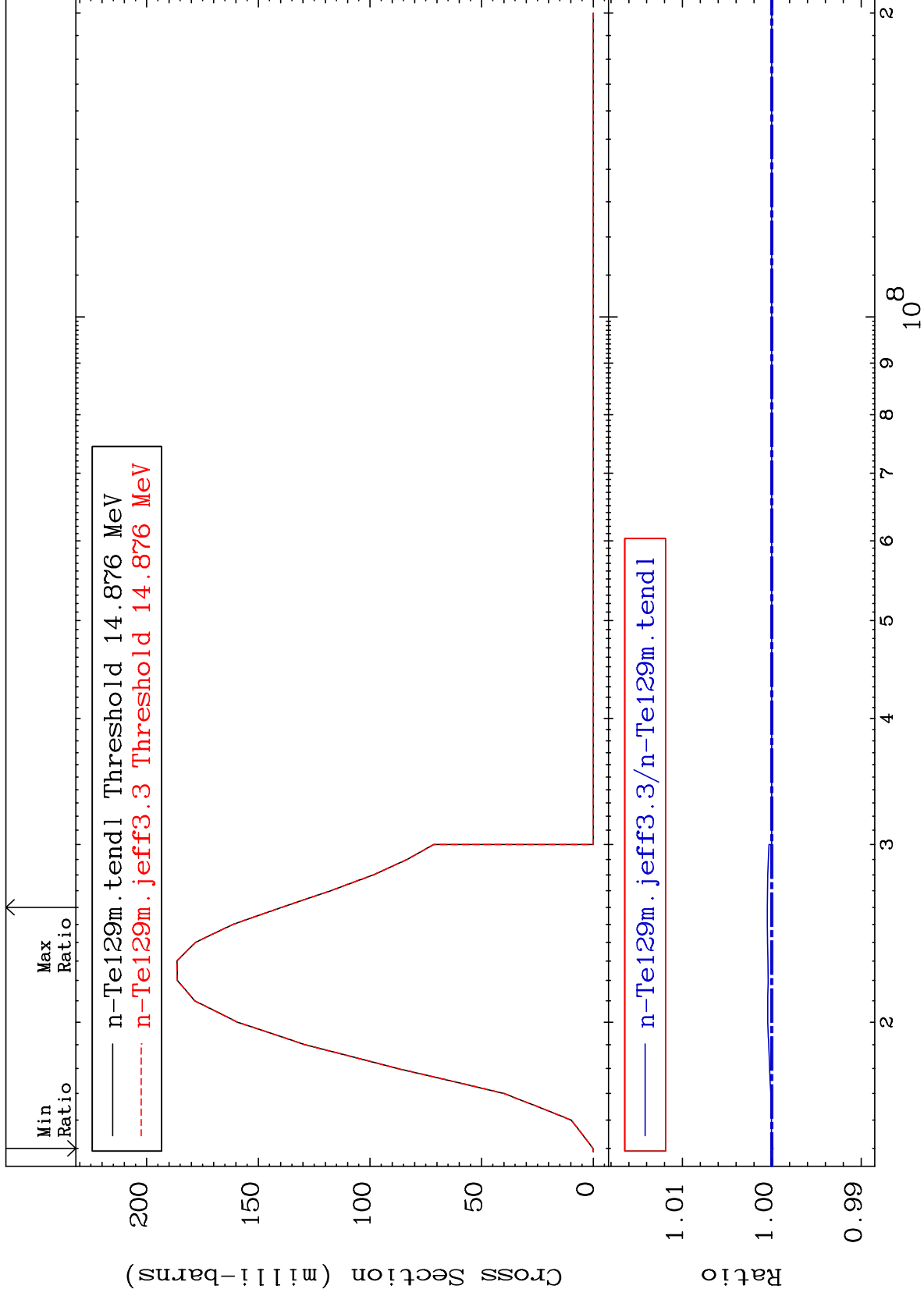
52-Te-129

MAT 5253

(n,3n):52-Te-127g

52-Te-129

Radionuclide Production Cross Section -0.013 To 0.050 %



76

Incident Energy (eV)

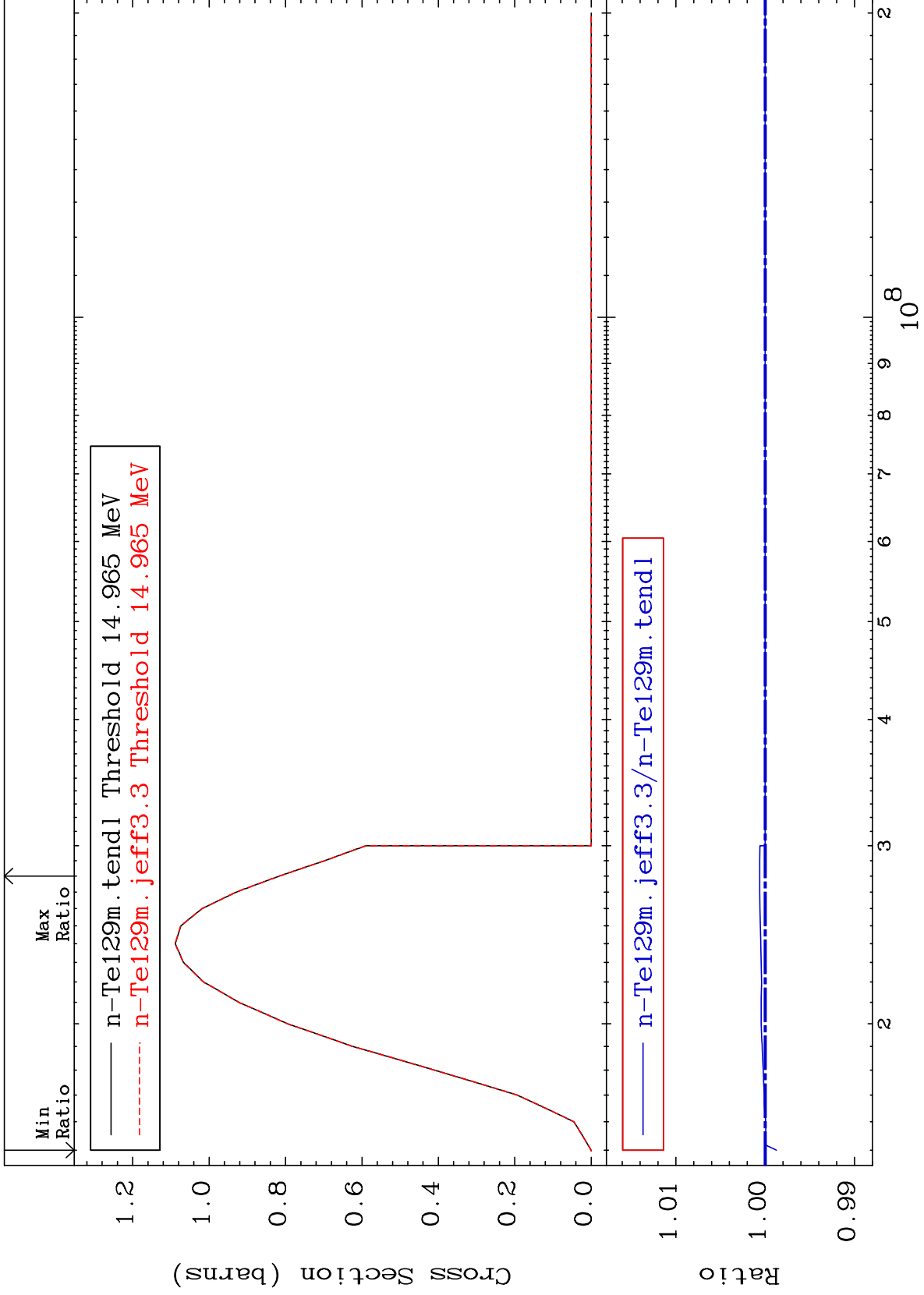
52-Te-129

MAT 5253

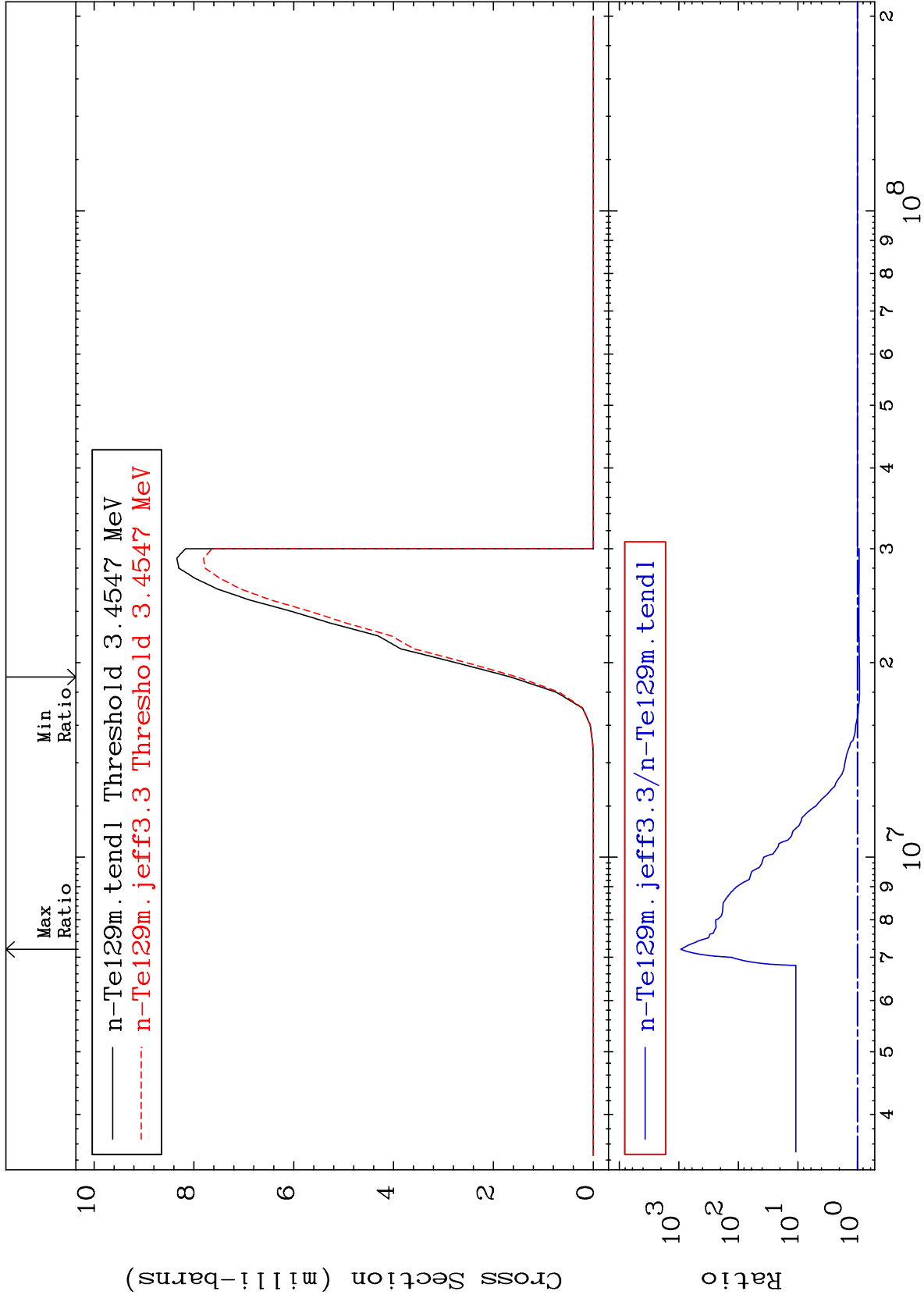
(n, 3n) : 52-Te-127m2

52-Te-129

Radionuclide Production Cross Section -0.124 To 0.062 %



Radionuclide Production Cross Section -8.108 To 9999. %



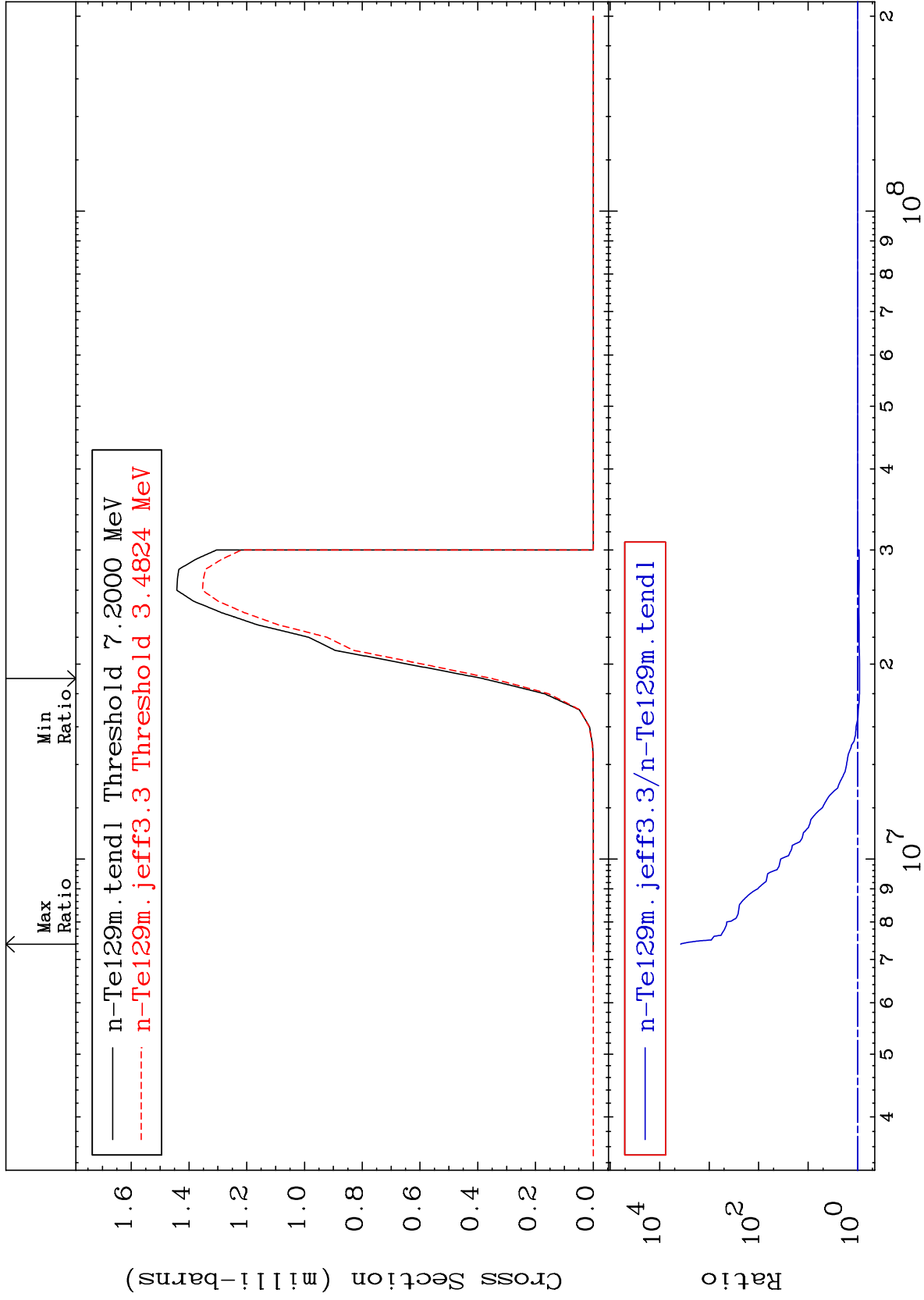
MAT 5253

(n, n')  $\alpha$ :50-Sn-125m1

52-Te-129

Radionuclide Production Cross Section

-8.437 To 9999. %

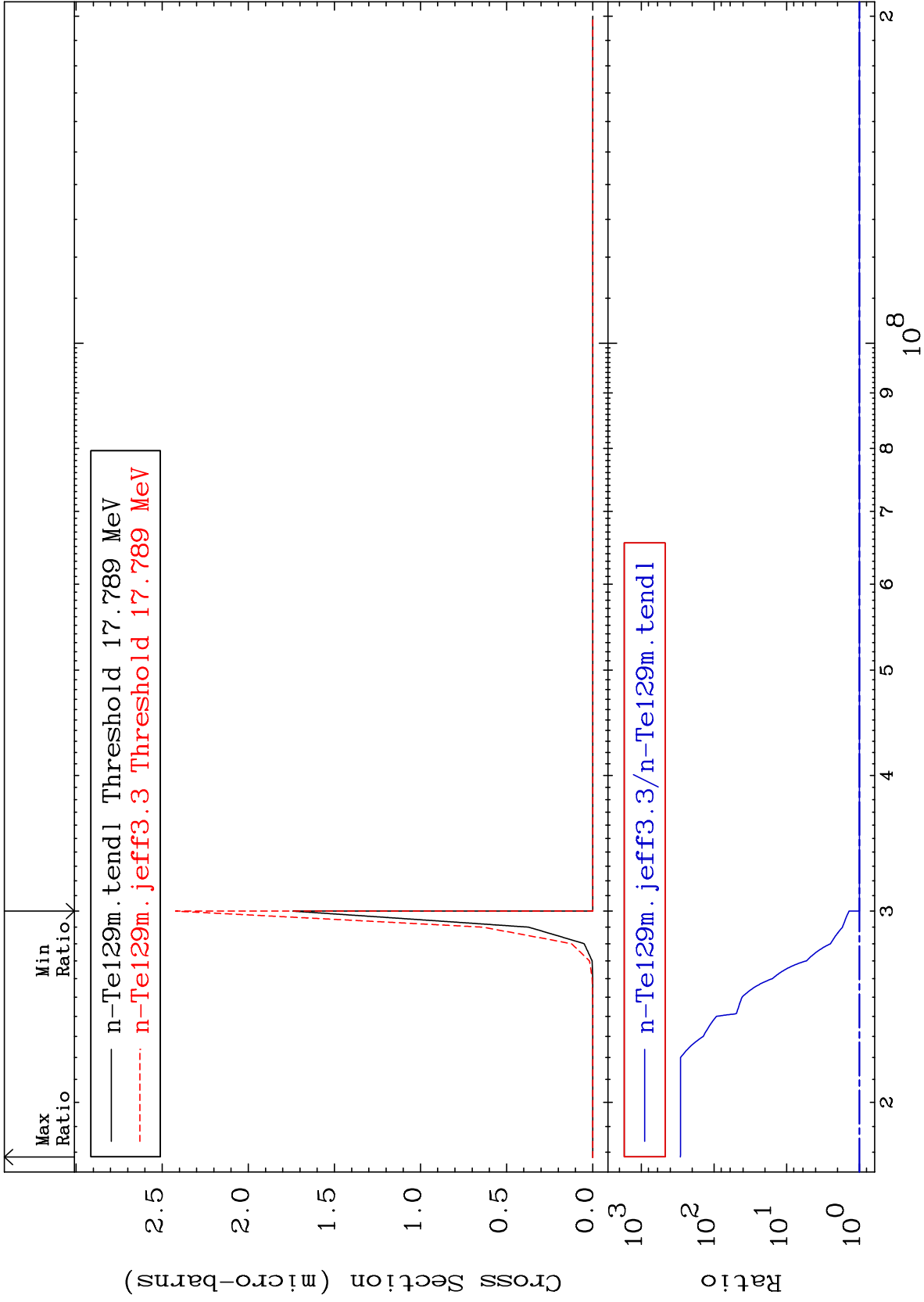


MAT 5253

(n,3n)  $\alpha$ :50-Sn-123g

52-Te-129

Radionuclide Production Cross Section 0.000 To 9999. %



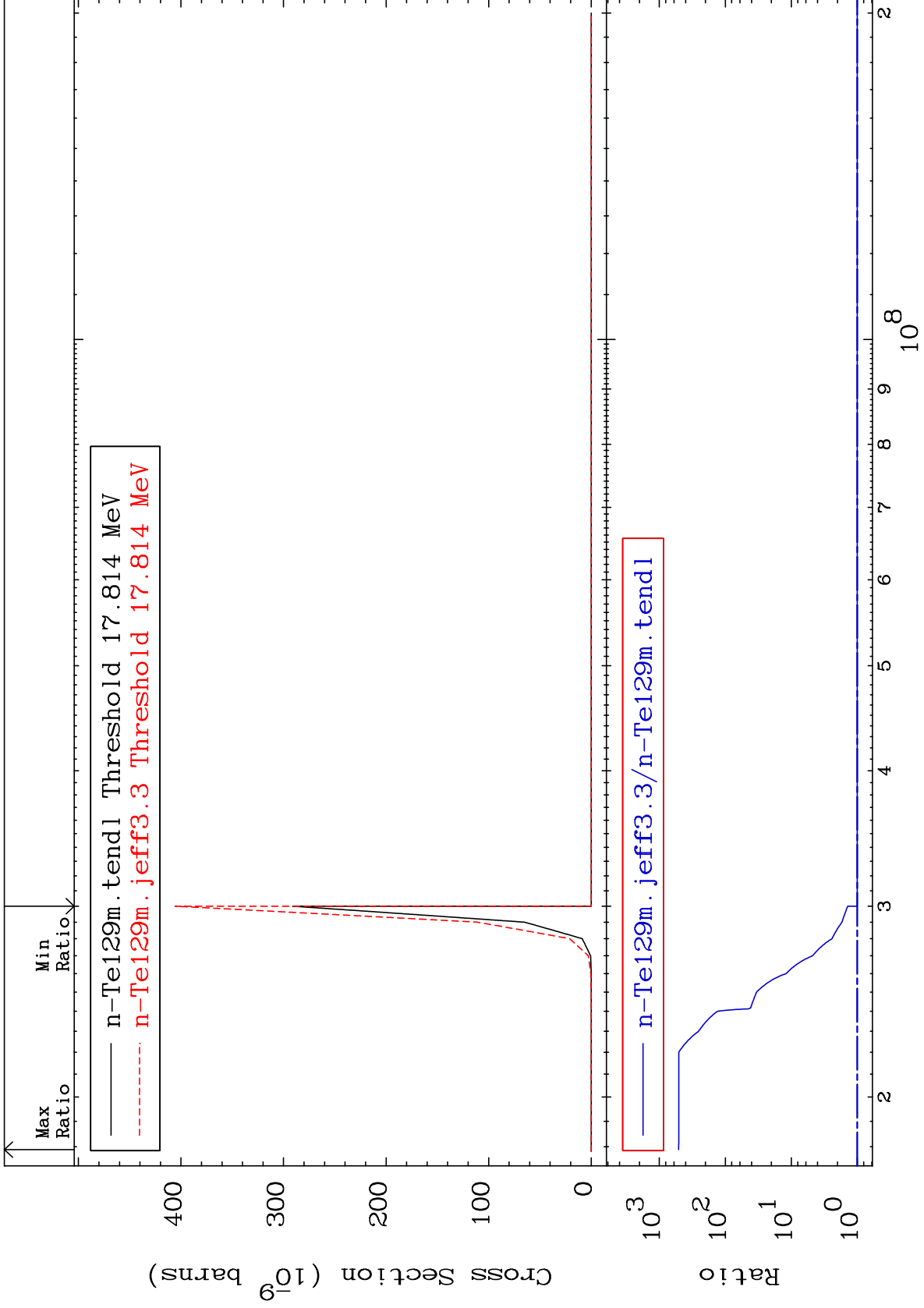


MAT 5253

(n, 3n)  $\alpha$ :50-Sn-123m1

52-Te-129

Radionuclide Production Cross Section 0.000 To 9999. %

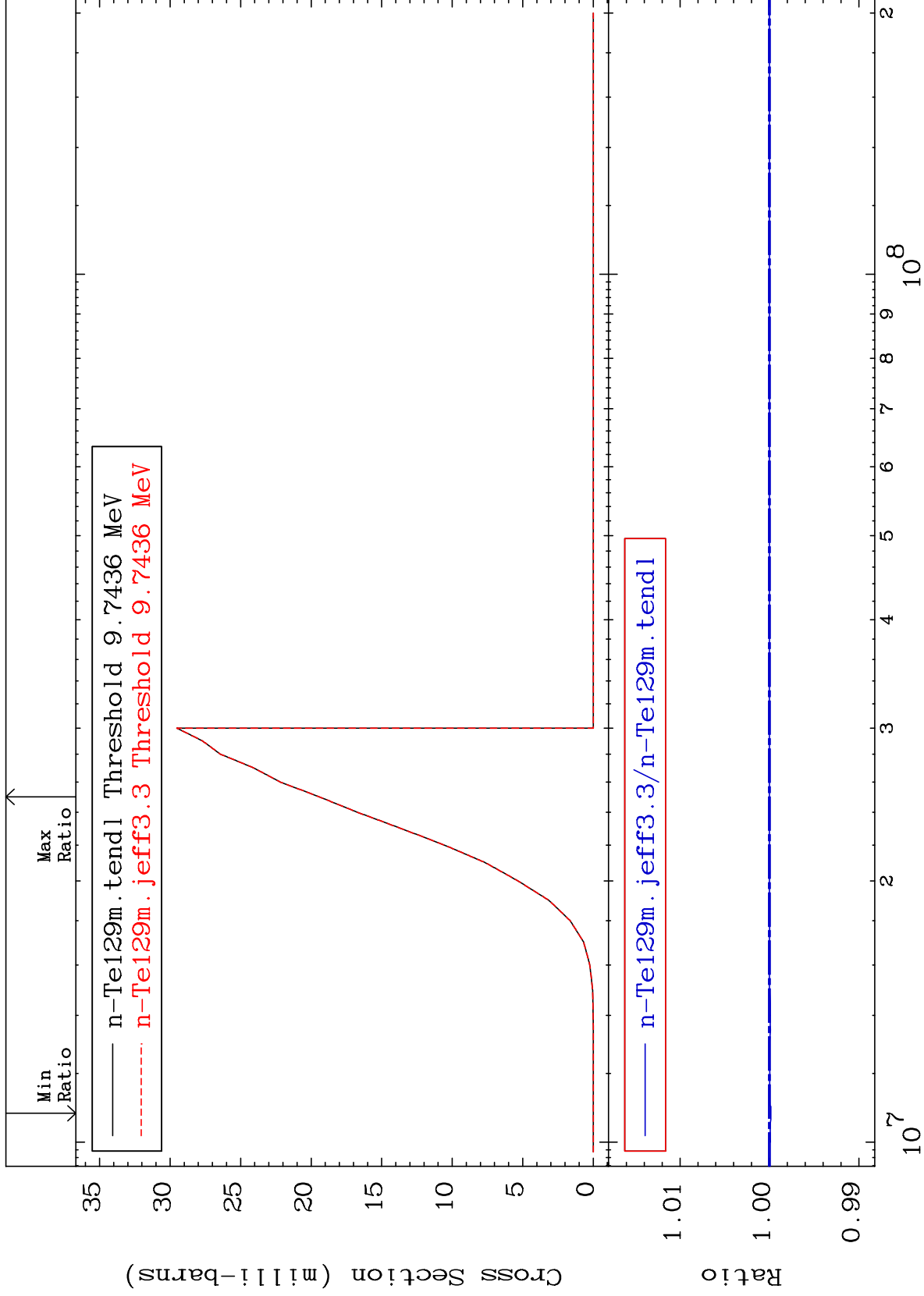


MAT 5253

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

52-Te-129

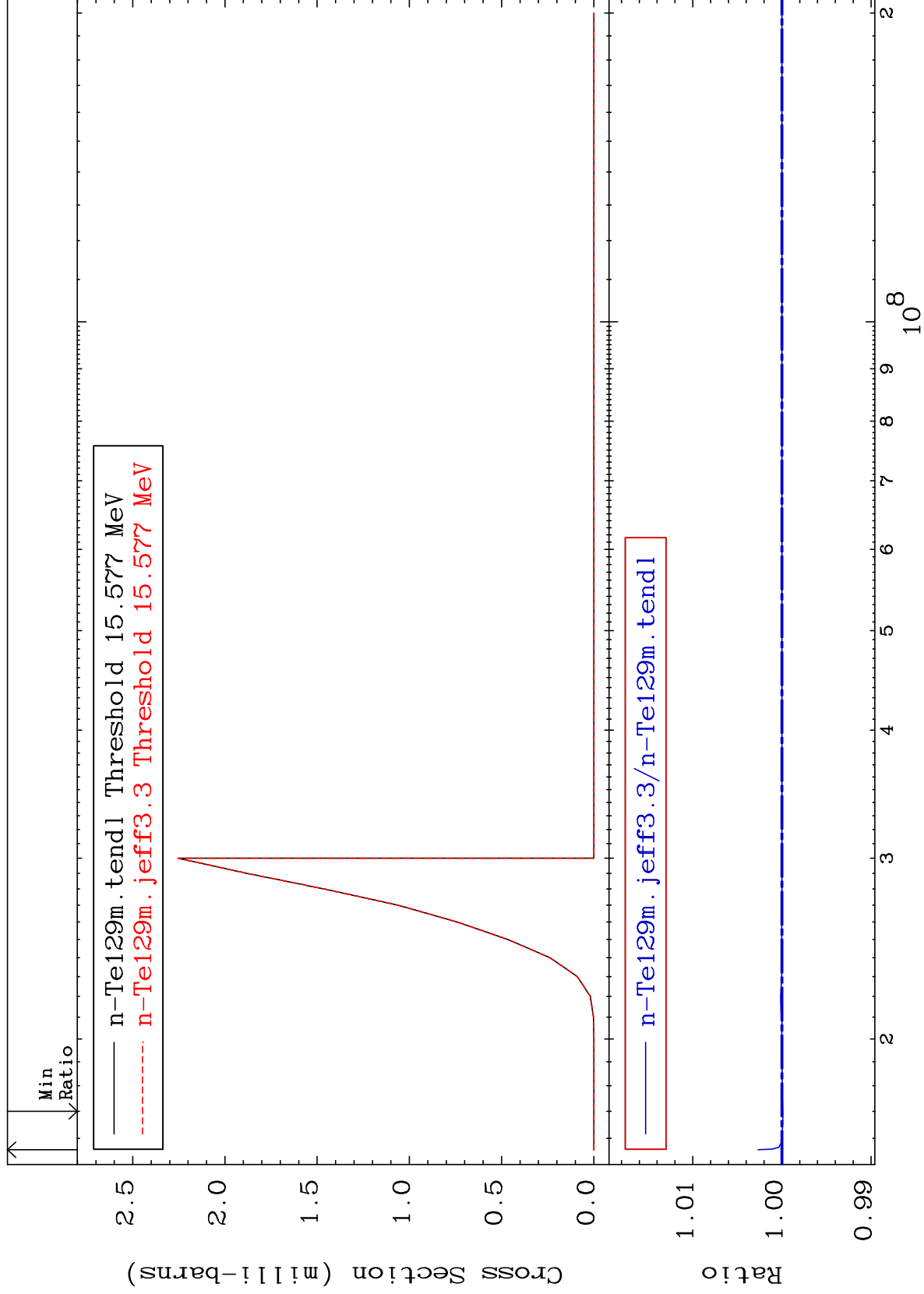
Radionuclide Production Cross Section -0.017 To 0.000 %



82

Incident Energy (eV)

52-Te-129

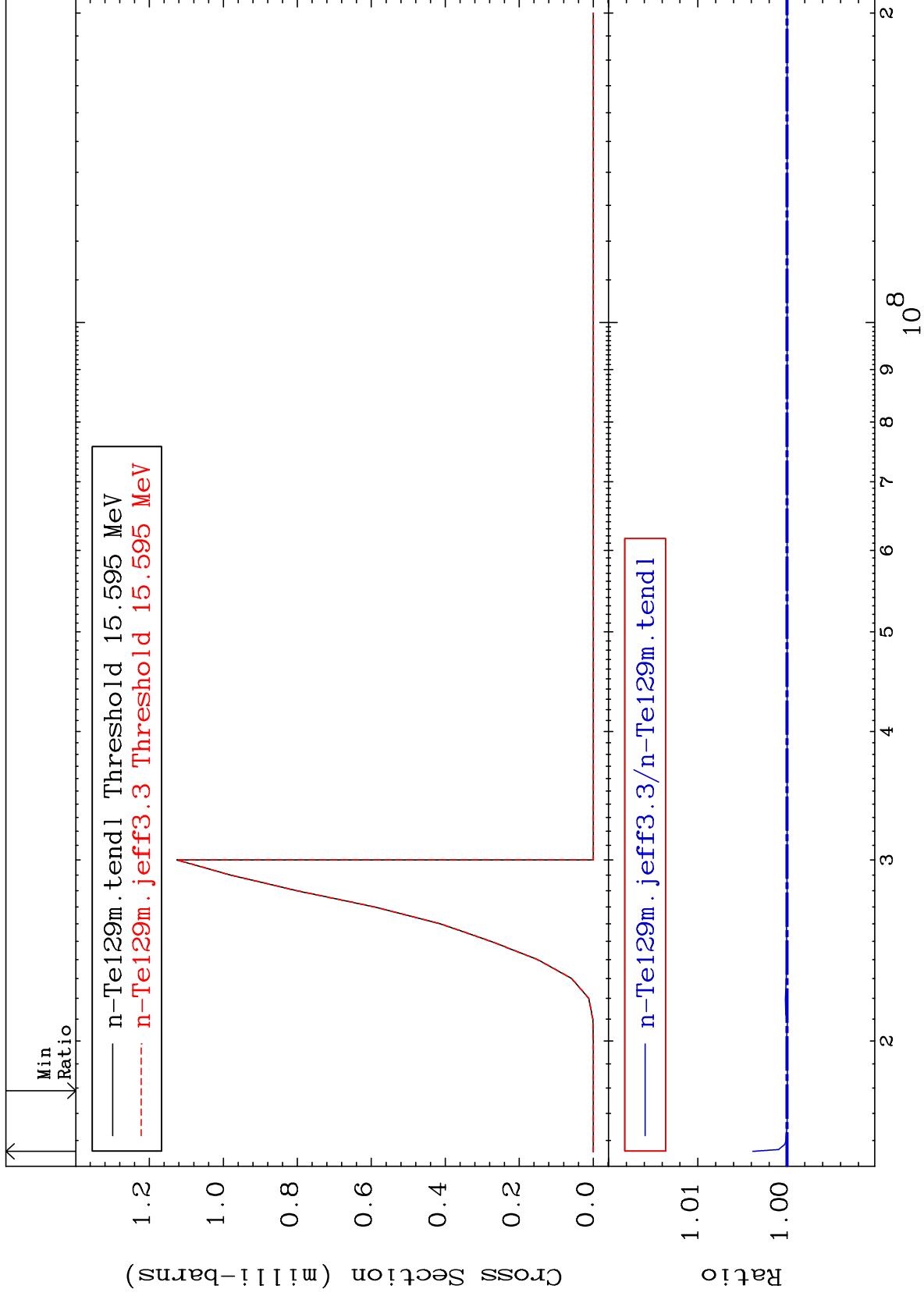


MAT 5253

(n, n') t:51-Sb-126m1

52-Te-129

Radionuclide Production Cross Section -0.006 To 0.384 %

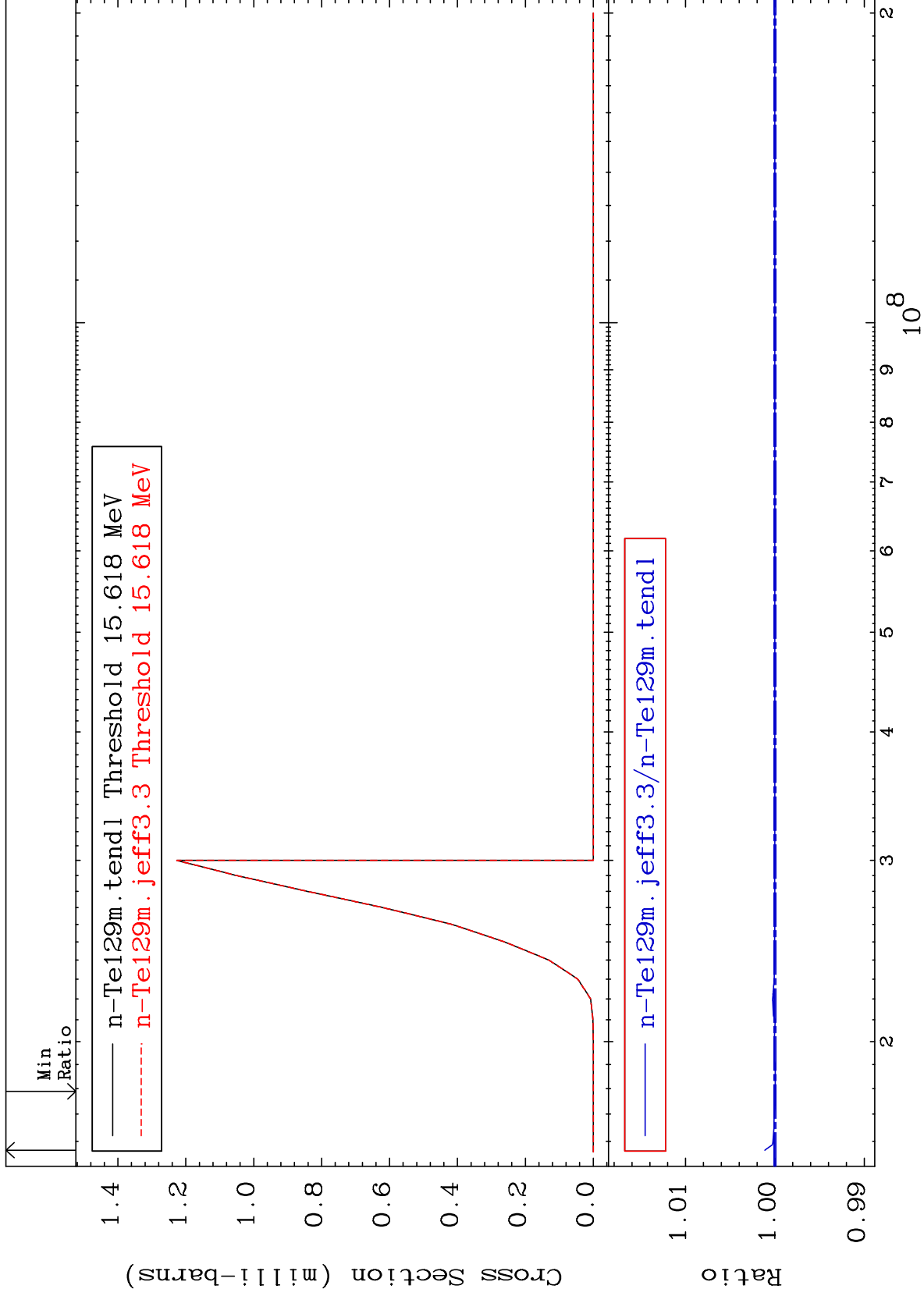


MAT 5253

(n, n') t:51-Sb-126m2

52-Te-129

Radionuclide Production Cross Section -0.006 To 0.112 %

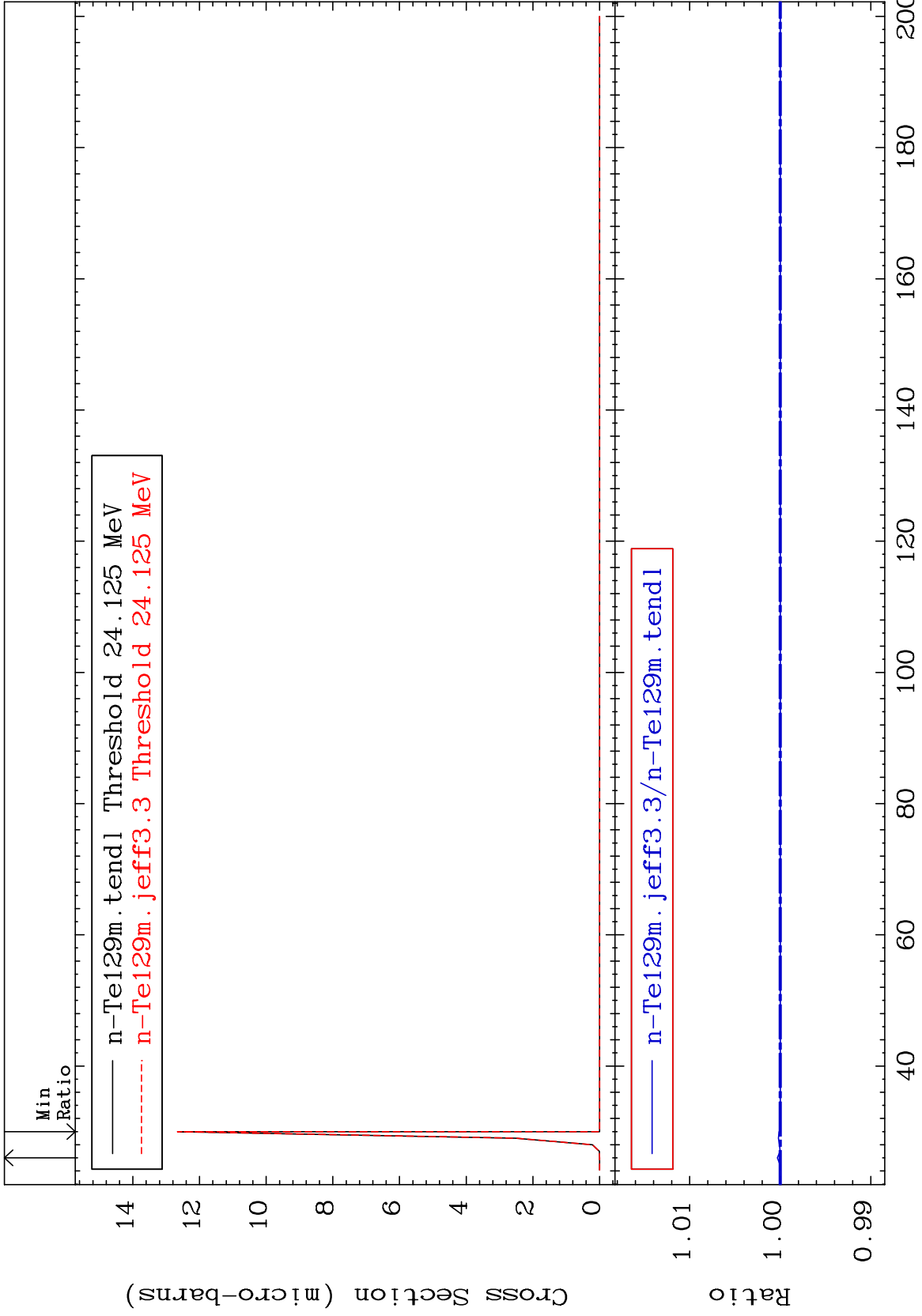


MAT 5253

(n,3n) p:51-Sb-126g

52-Te-129

Radionuclide Production Cross Section 0.000 To 0.033 %



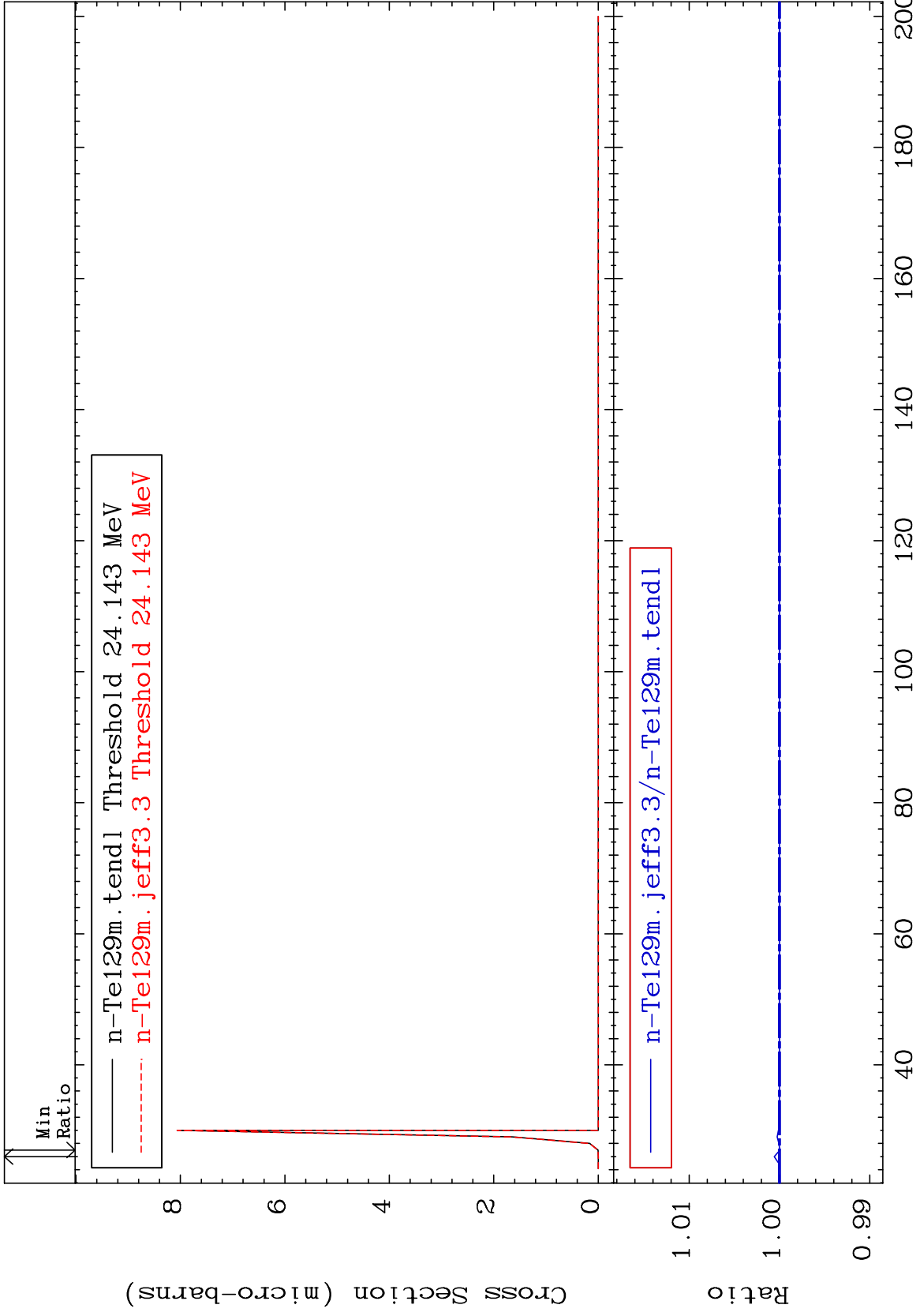
MAT 5253

(n,3n) p:51-Sb-126m1

52-Te-129

Radionuclide Production Cross Section

-0.004 To 0.057 %



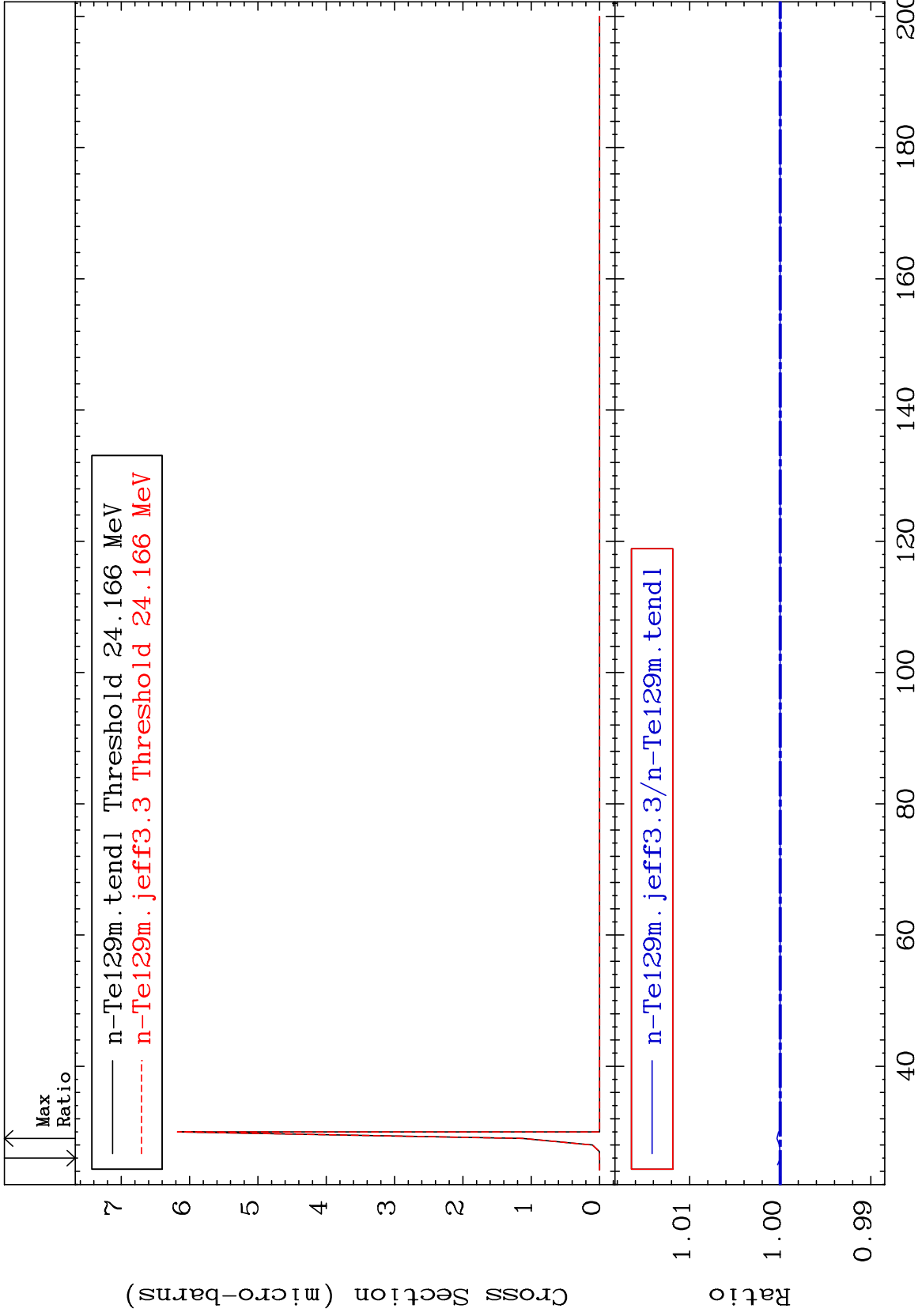
MAT 5253

(n, 3n) p:51-Sb-126m2

52-Te-129

Radionuclide Production Cross Section

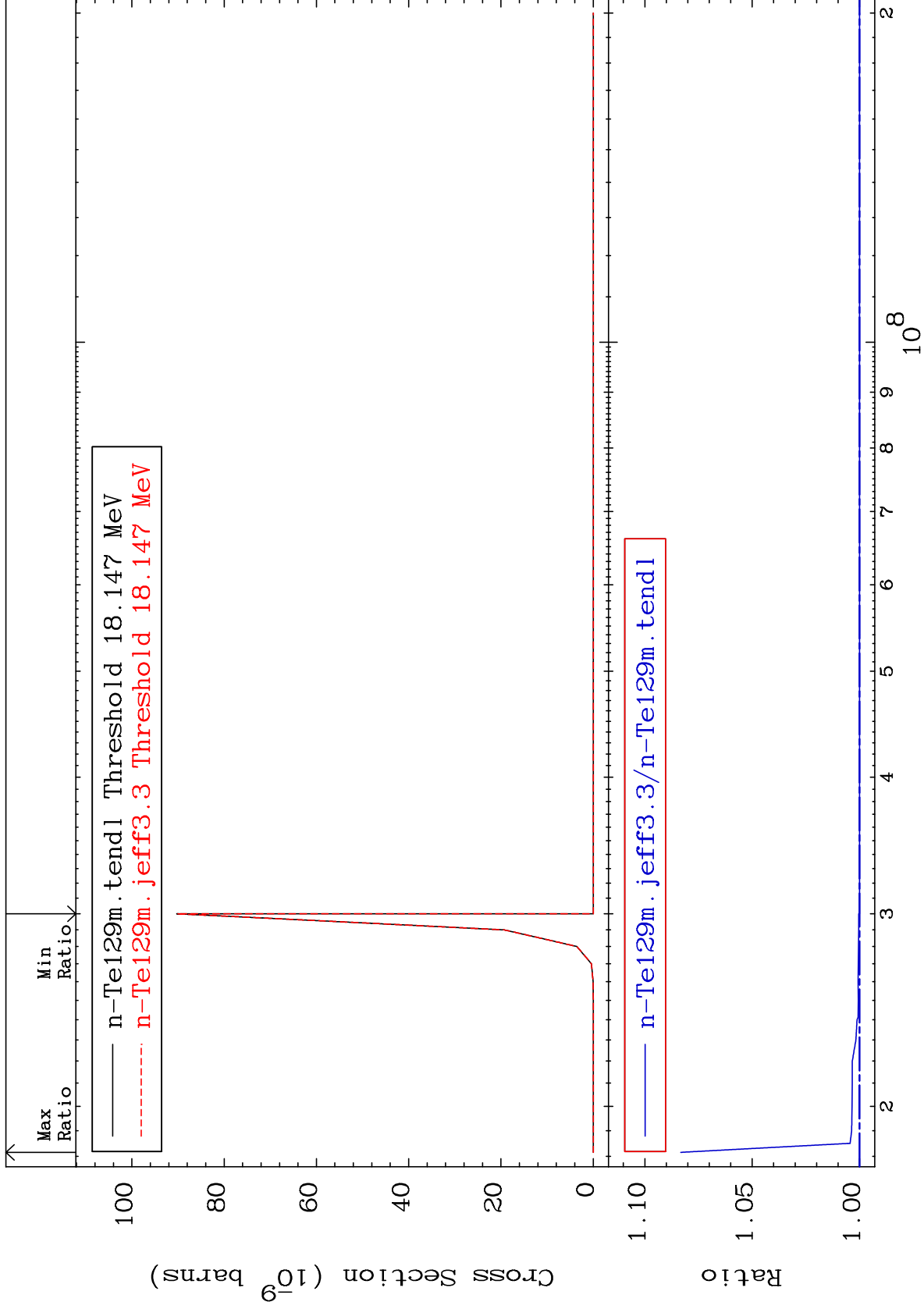
-0.004 To 0.035 %





MAT 5253

(n,2n) p:50-Sn-127g 52-Te-129  
Radionuclide Production Cross Section 0.000 To 8.327 %

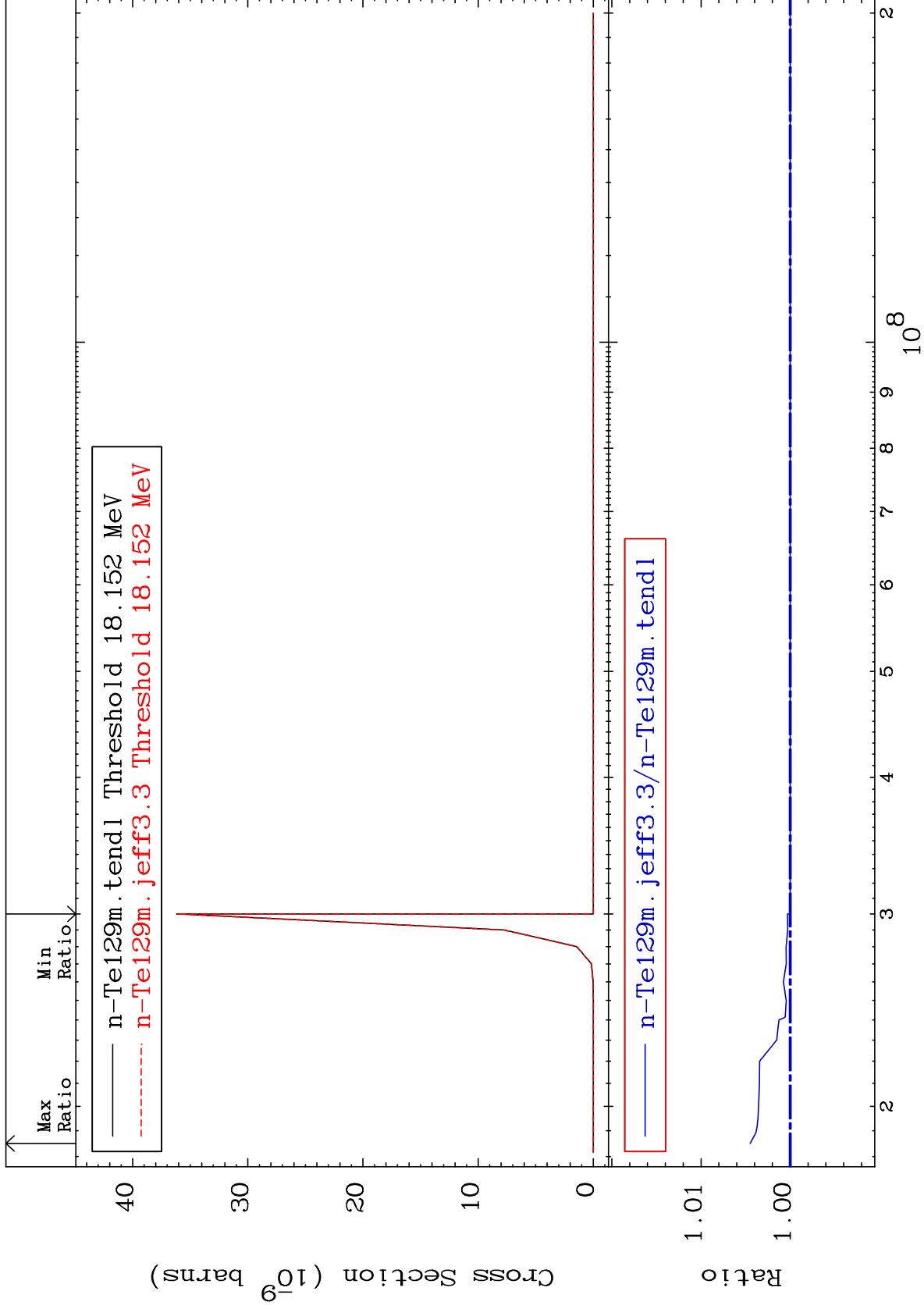


MAT 5253

(n,2n) p:50-Sn-127m1

52-Te-129

Radionuclide Production Cross Section 0.000 To 0.450 %



90

Incident Energy (eV)

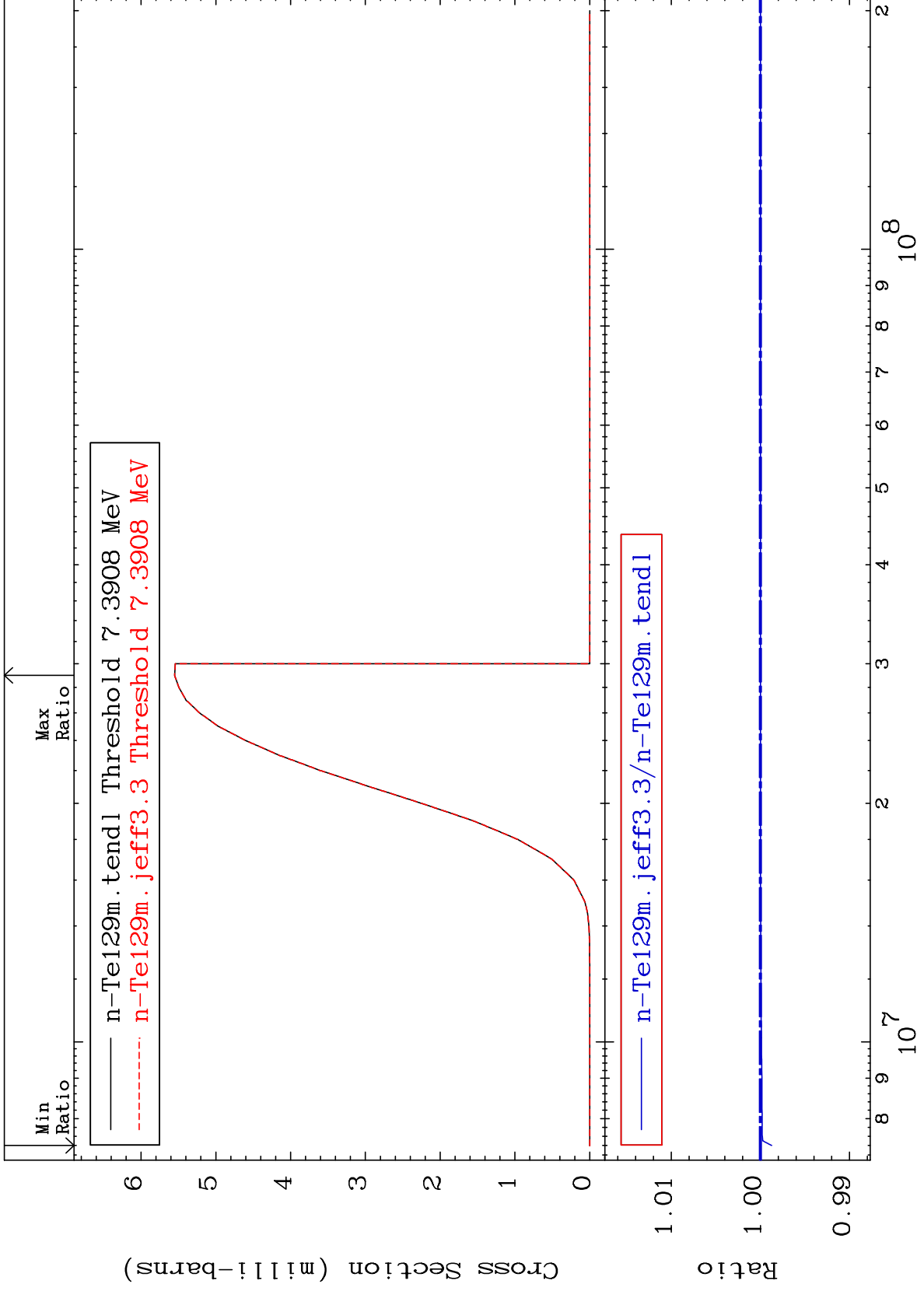
52-Te-129

MAT 5253

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

52-Te-129

Radionuclide Production Cross Section -0.125 To 0.000 %



91

Incident Energy (eV)

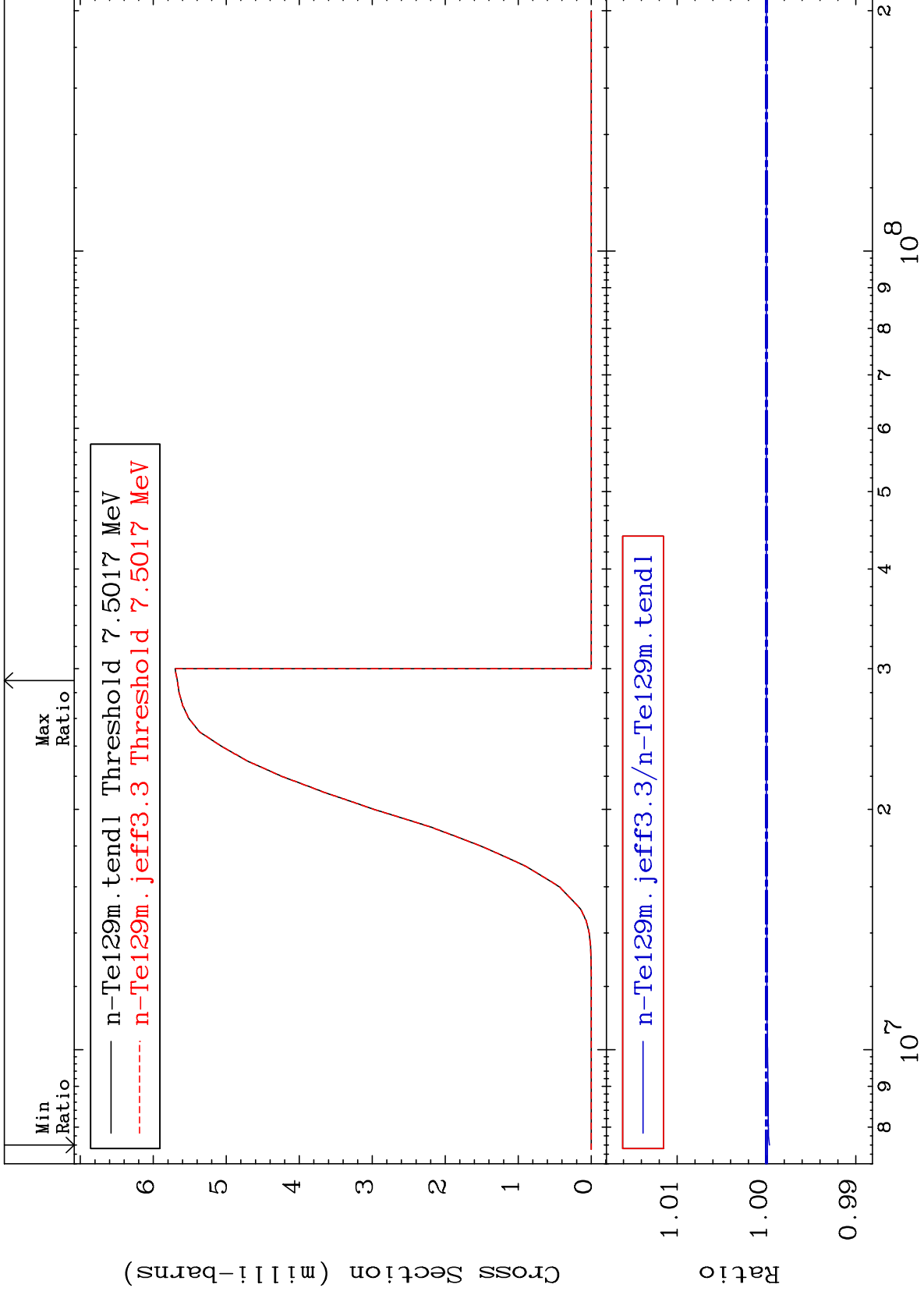
52-Te-129

MAT 5253

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

52-Te-129

Radionuclide Production Cross Section -0.035 To 0.000 %



92

Incident Energy (eV)

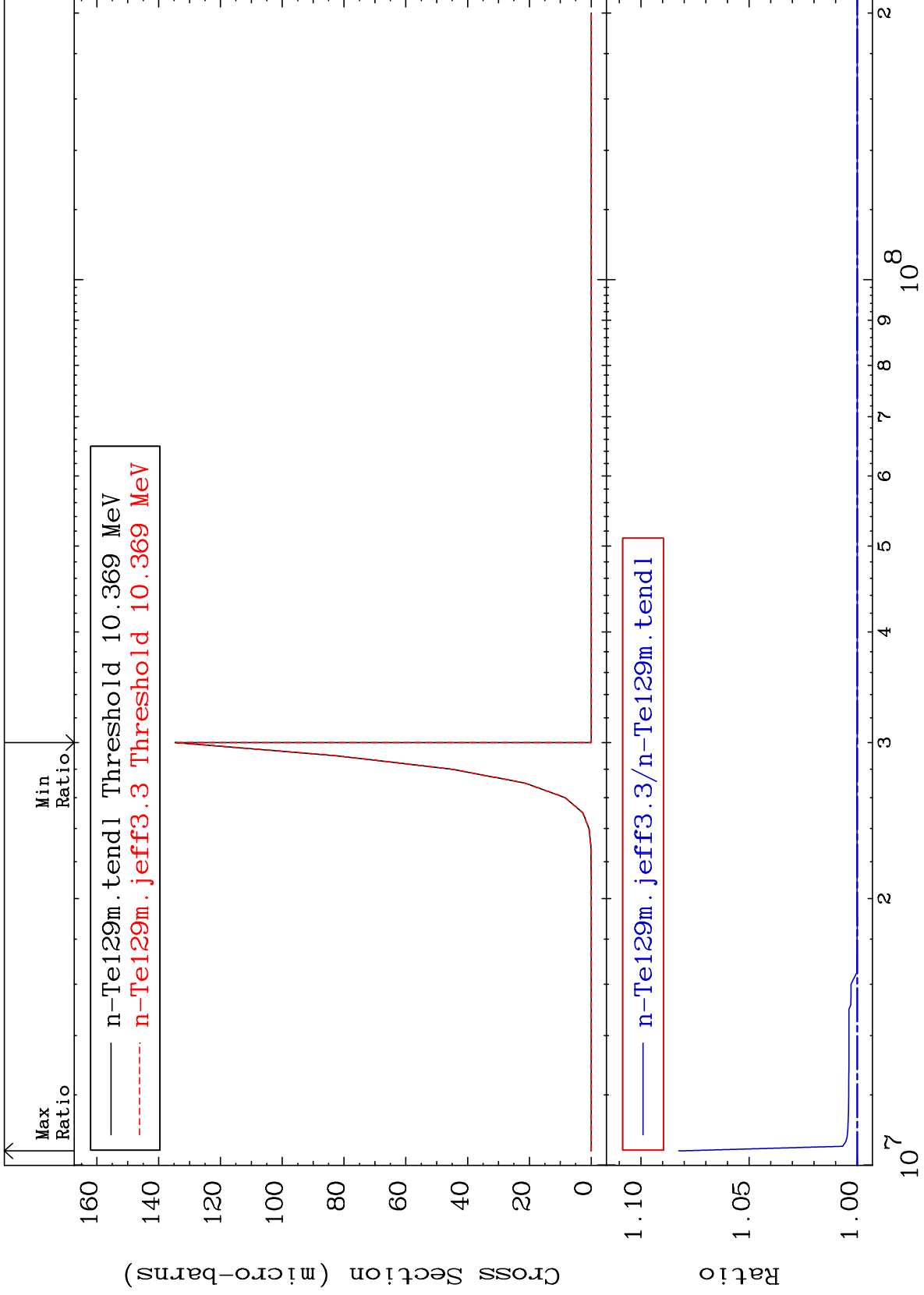
52-Te-129

MAT 5253

(n,He-3):50-Sn-127g

52-Te-129

Radionuclide Production Cross Section 0.000 To 8.259 %



93

Incident Energy (eV)

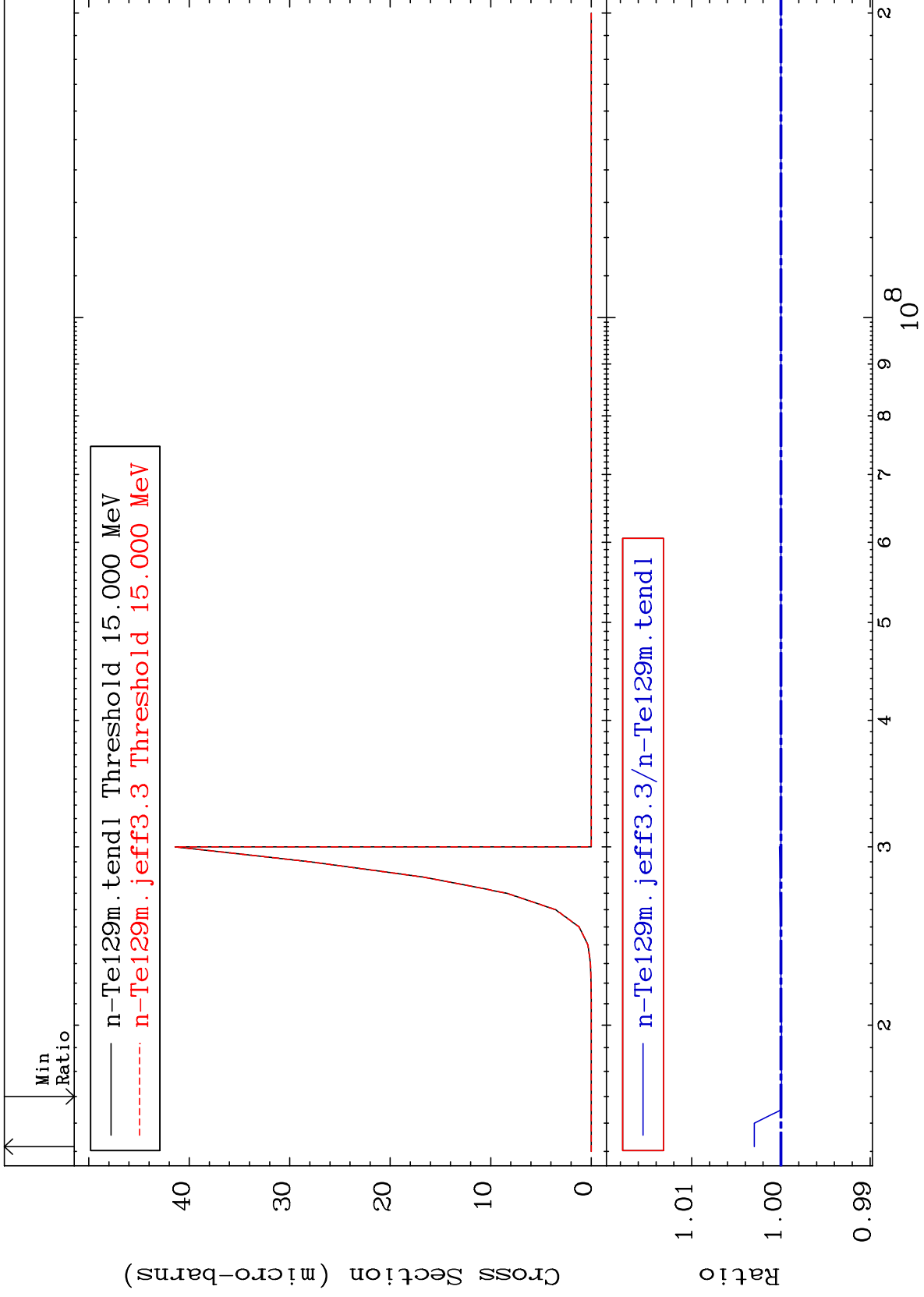
52-Te-129

MAT 5253

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

52-Te-129

Radionuclide Production Cross Section -0.008 To 0.299 %

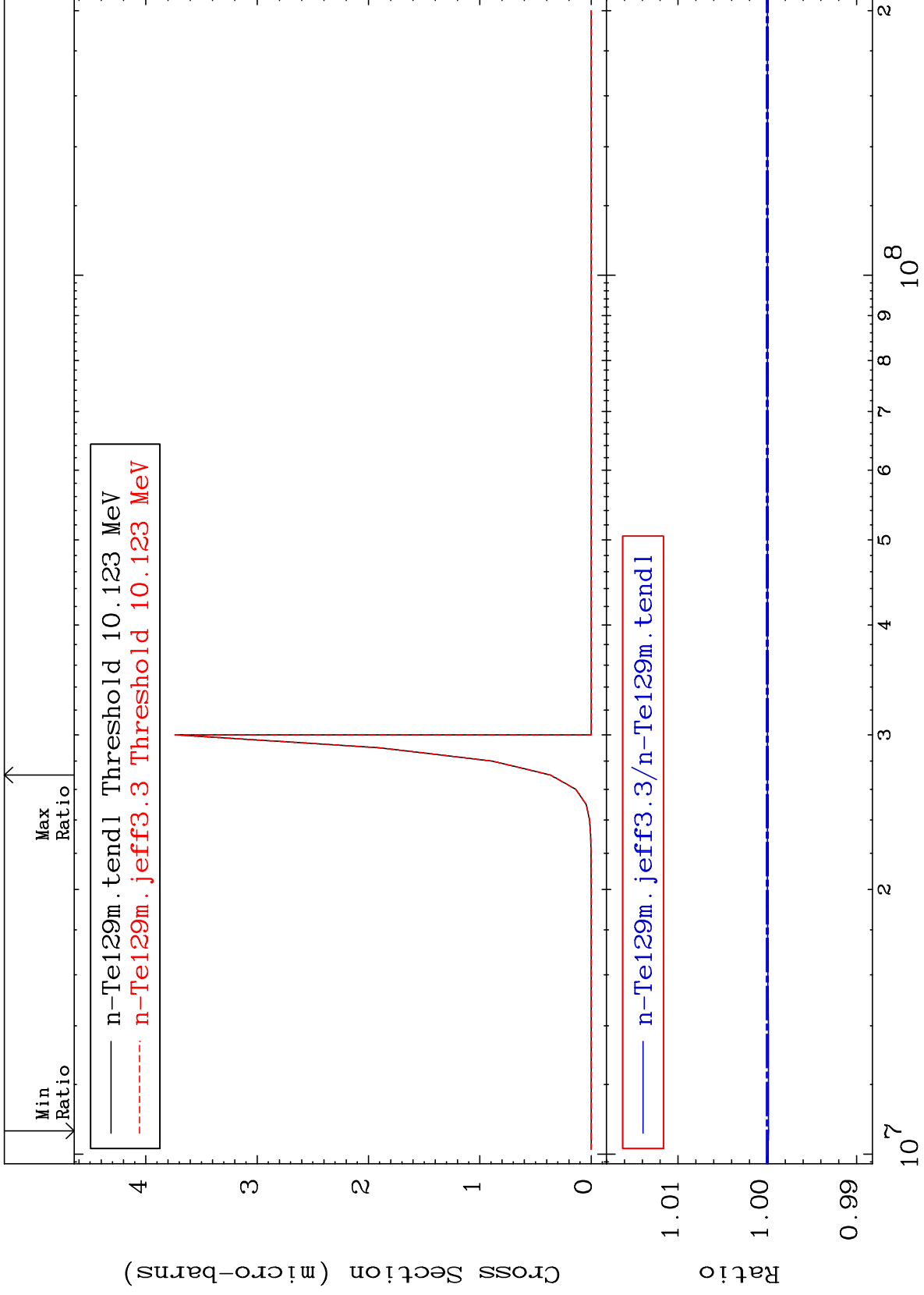


MAT 5253

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

52-Te-129

Radionuclide Production Cross Section -0.014 To 0.000 %

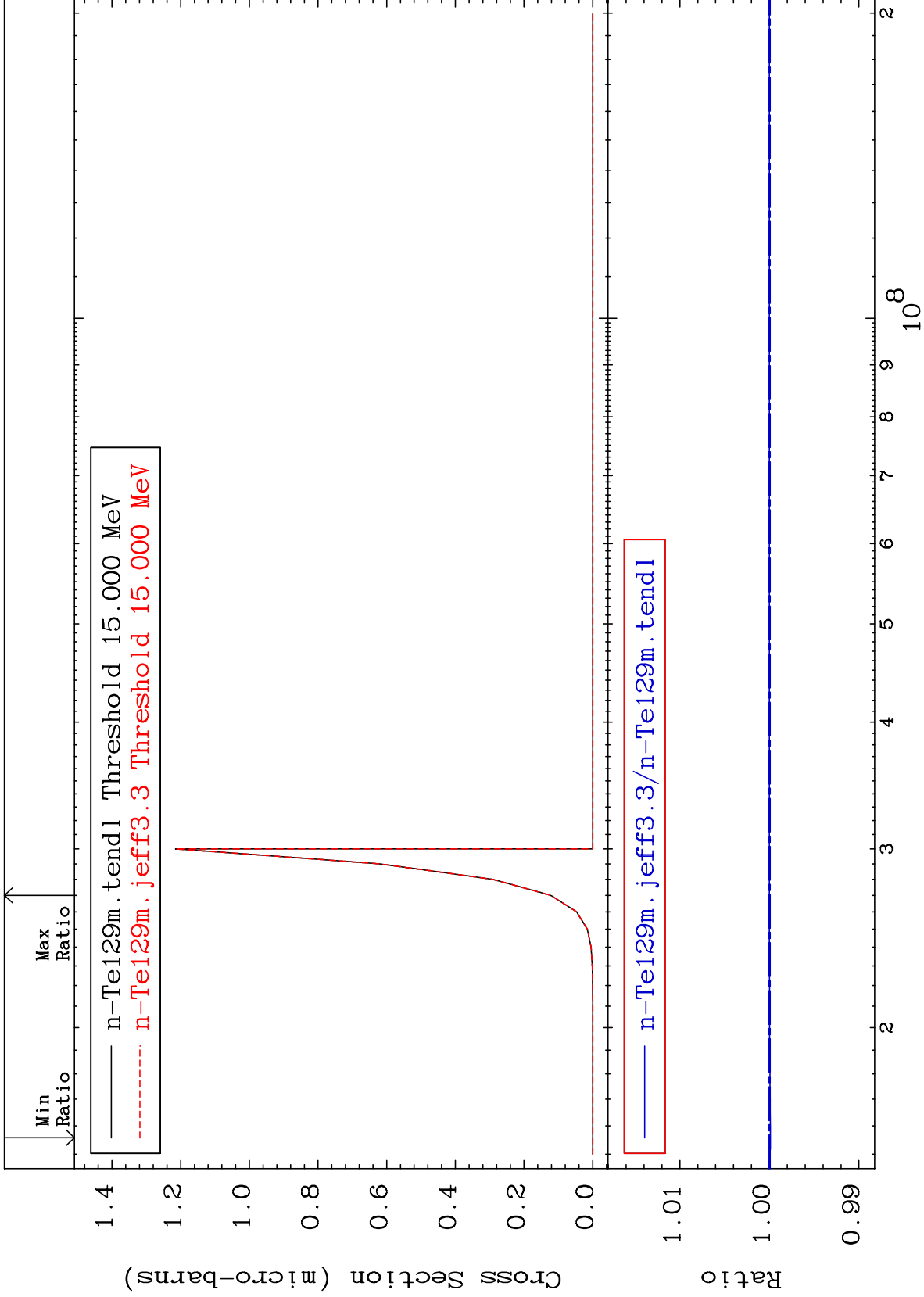


95

Incident Energy (eV)

52-Te-129

Radionuclide Production Cross Section -0.012 To 0.000 %



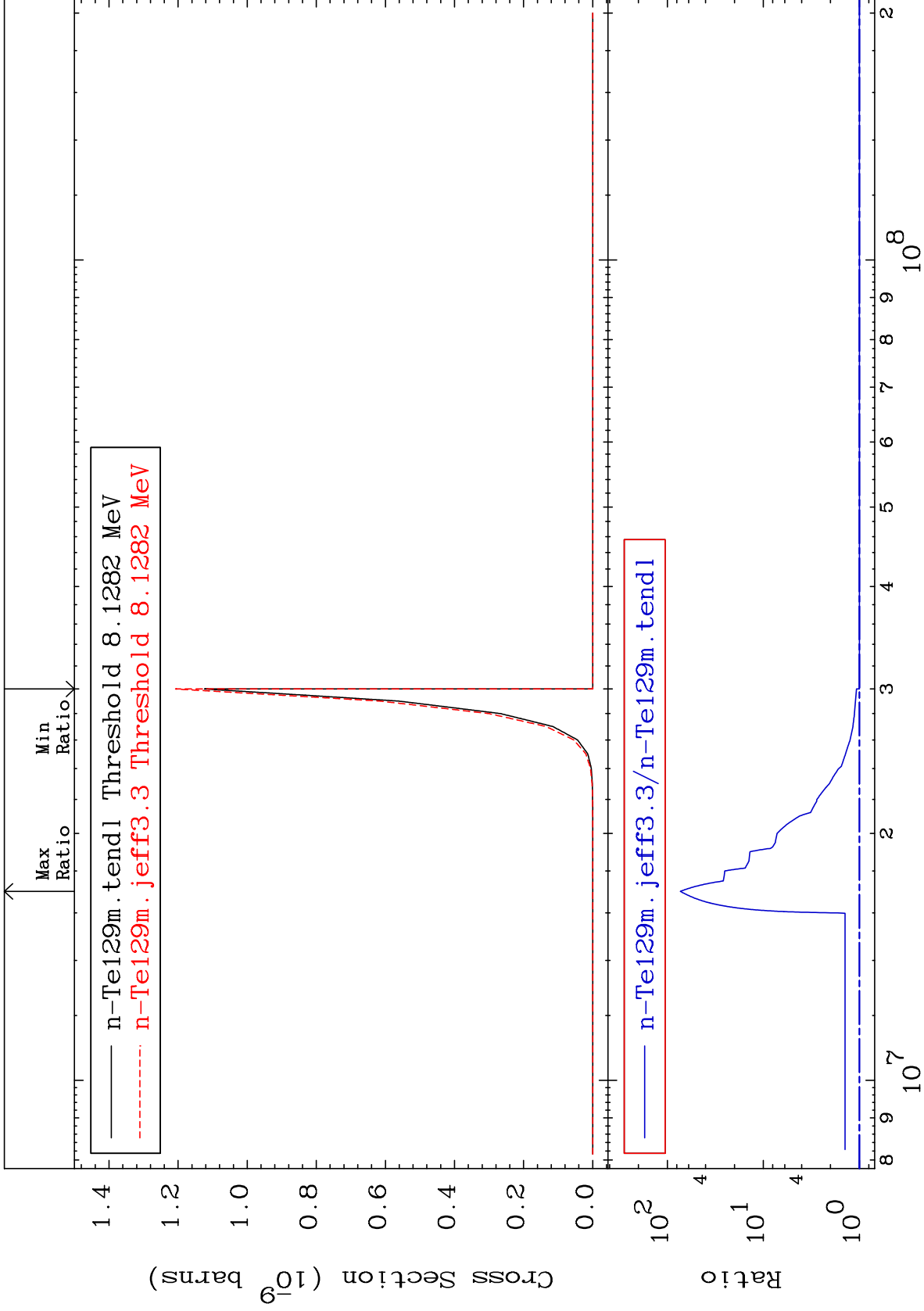


MAT 5253

(n, p)  $\alpha$ : 49-In-125g

52-Te-129

Radionuclide Production Cross Section 0.000 To 7225. %



97

Incident Energy (eV)

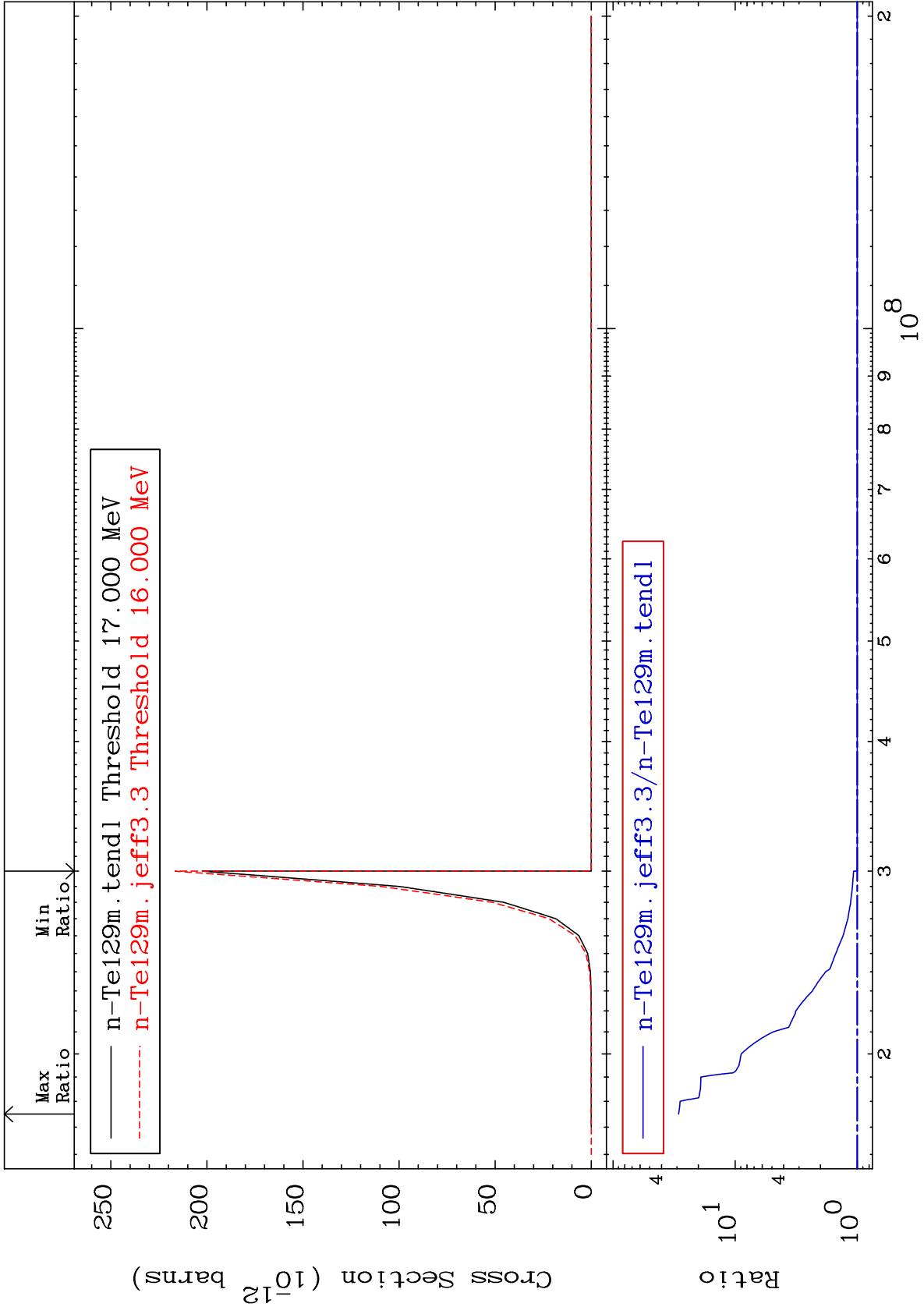
52-Te-129

MAT 5253

(n,p)  $\alpha$ :49-In-125m1

52-Te-129

Radionuclide Production Cross Section 0.000 To 2800. %

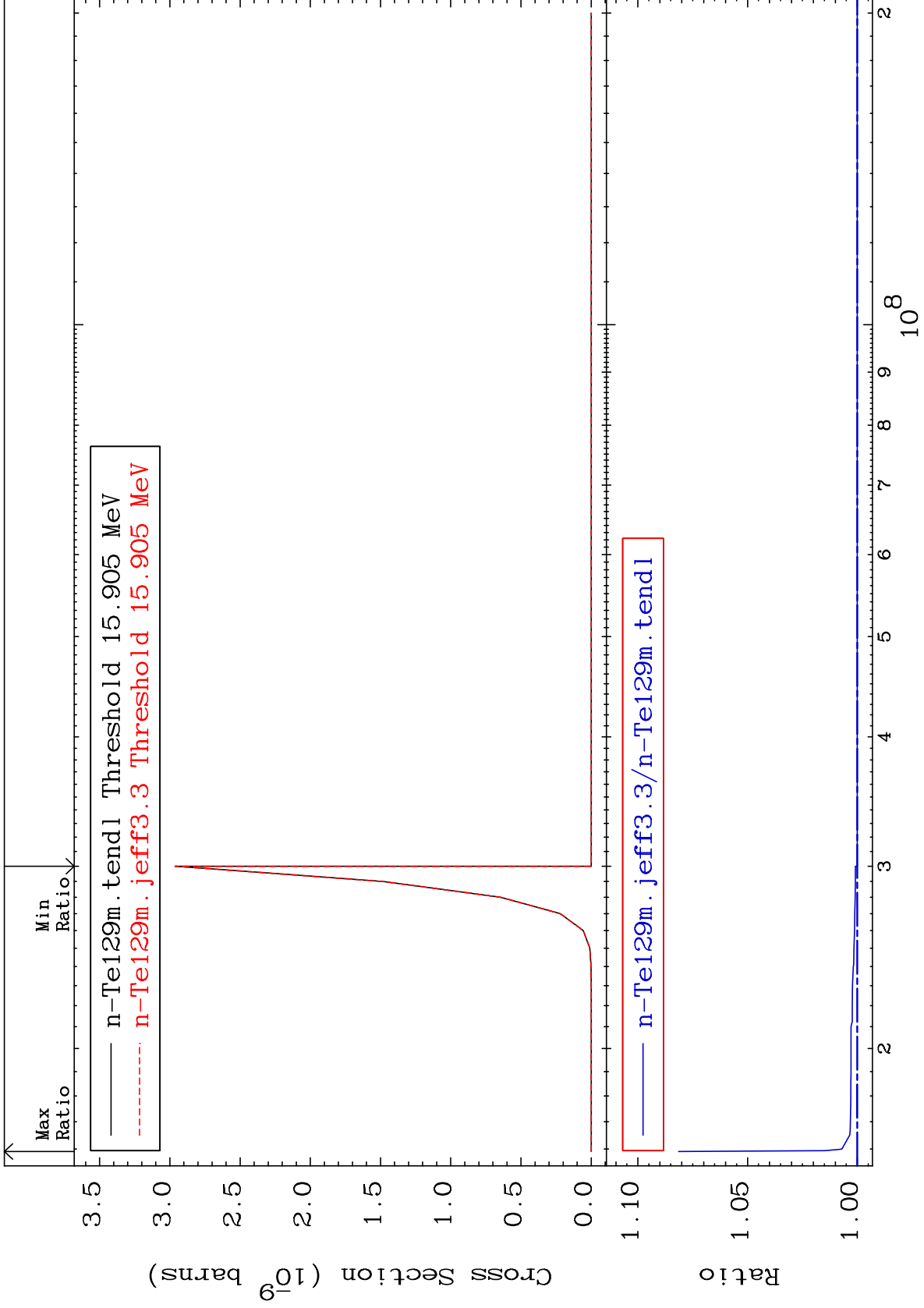


MAT 5253

(n, p) d:50-Sn-127g

52-Te-129

Radionuclide Production Cross Section 0.000 To 8.140 %

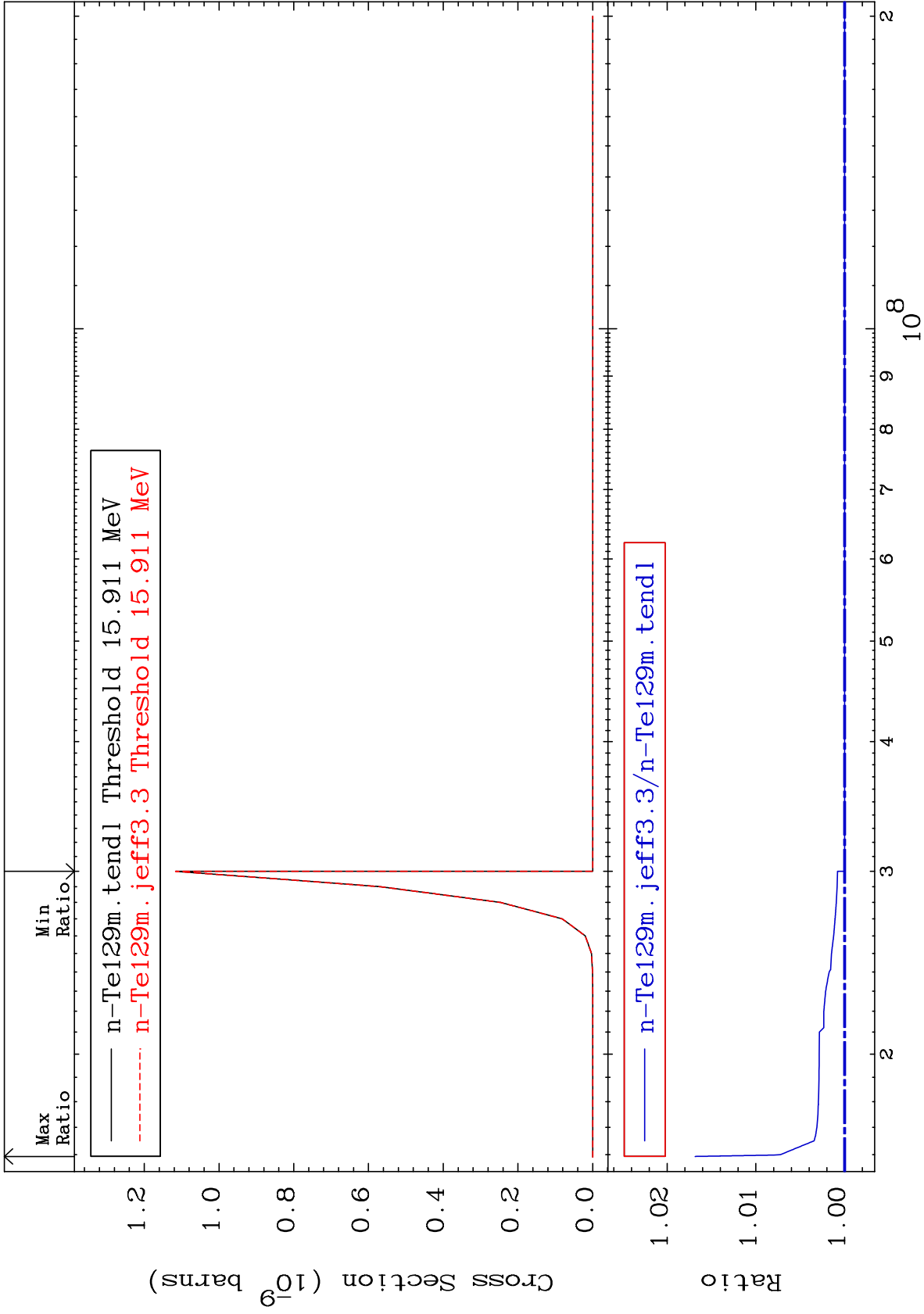


MAT 5253

(n,p) d:50-Sn-127m1

52-Te-129

Radionuclide Production Cross Section 0.000 To 1.684 %



100

Incident Energy (eV)

52-Te-129