

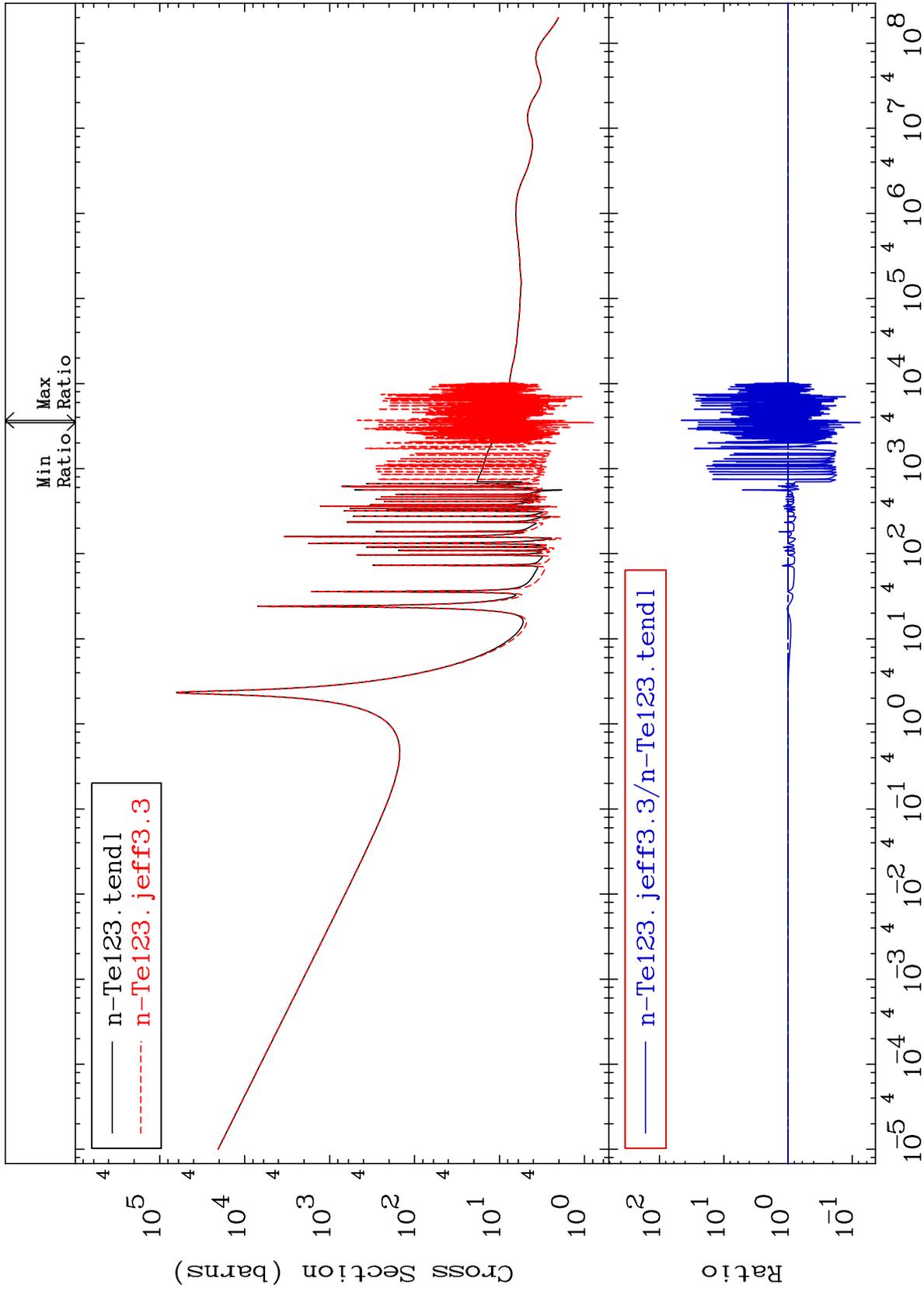
MAT 5234

Total

52-Te-123

Cross Section

-92.46 To 4507. %



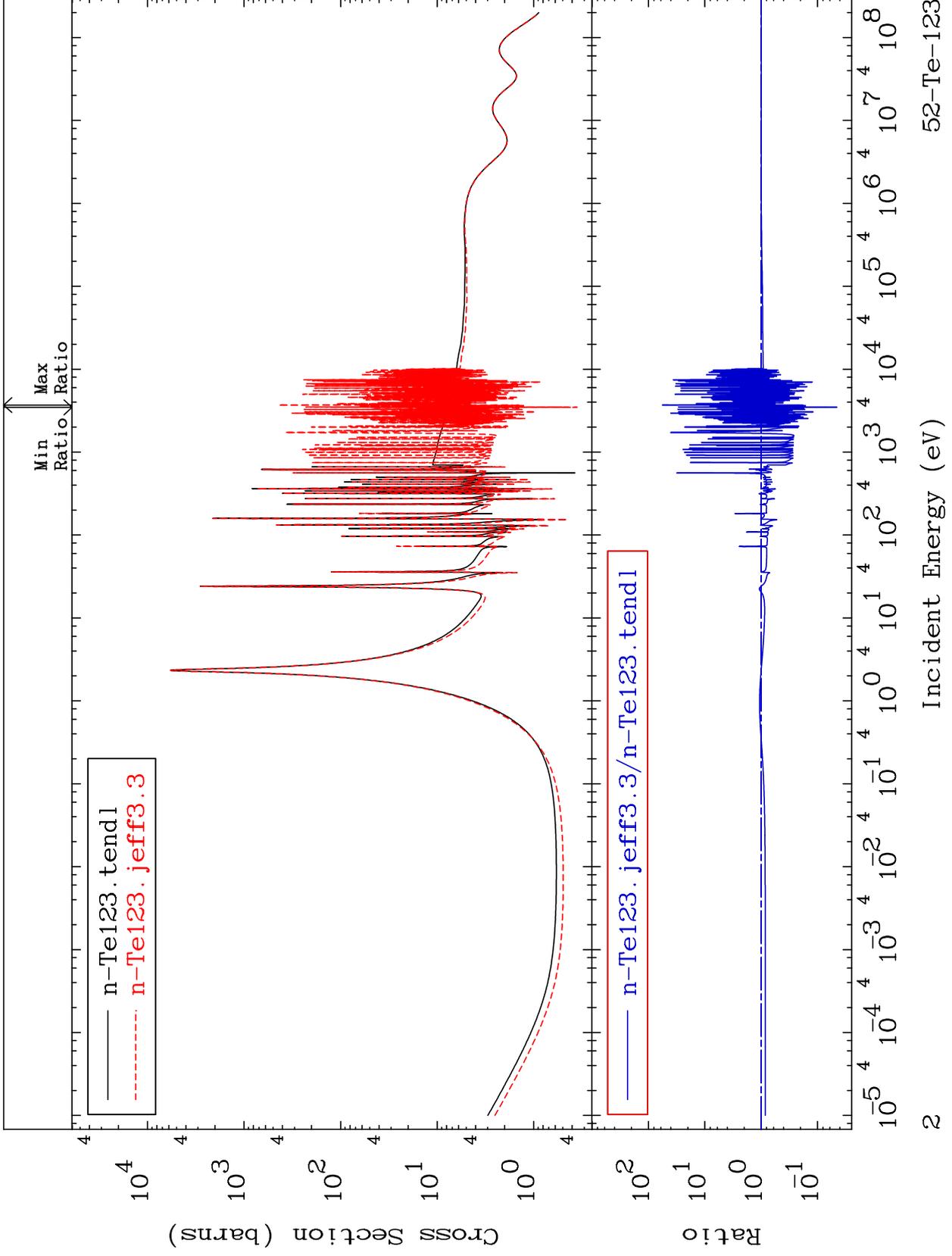
Incident Energy (eV)

52-Te-123

MAT 5234

Elastic  
Cross Section

52-Te-123  
-95.46 To 5572. %



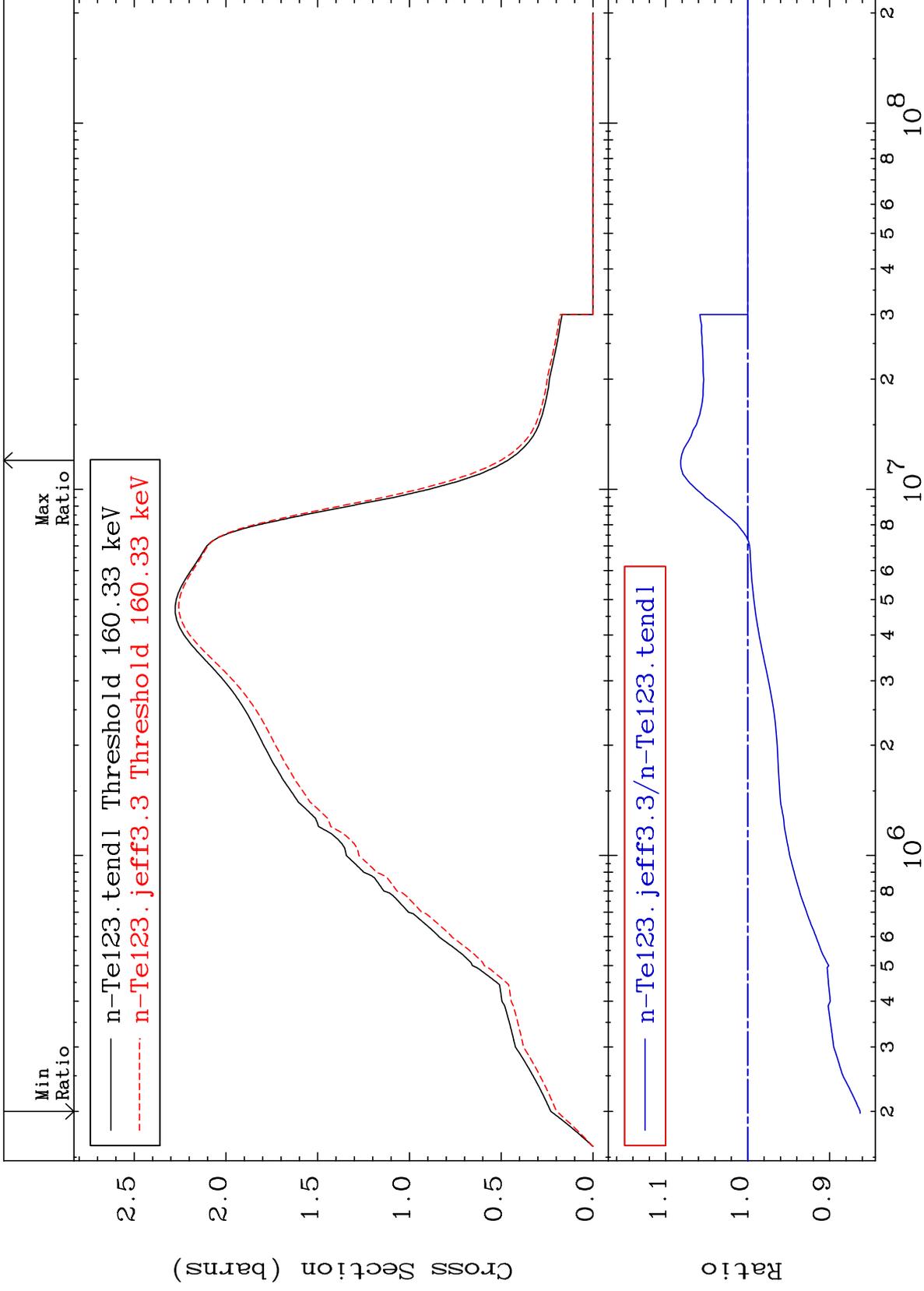
MAT 5234

Inelastic

52-Te-123

Cross Section

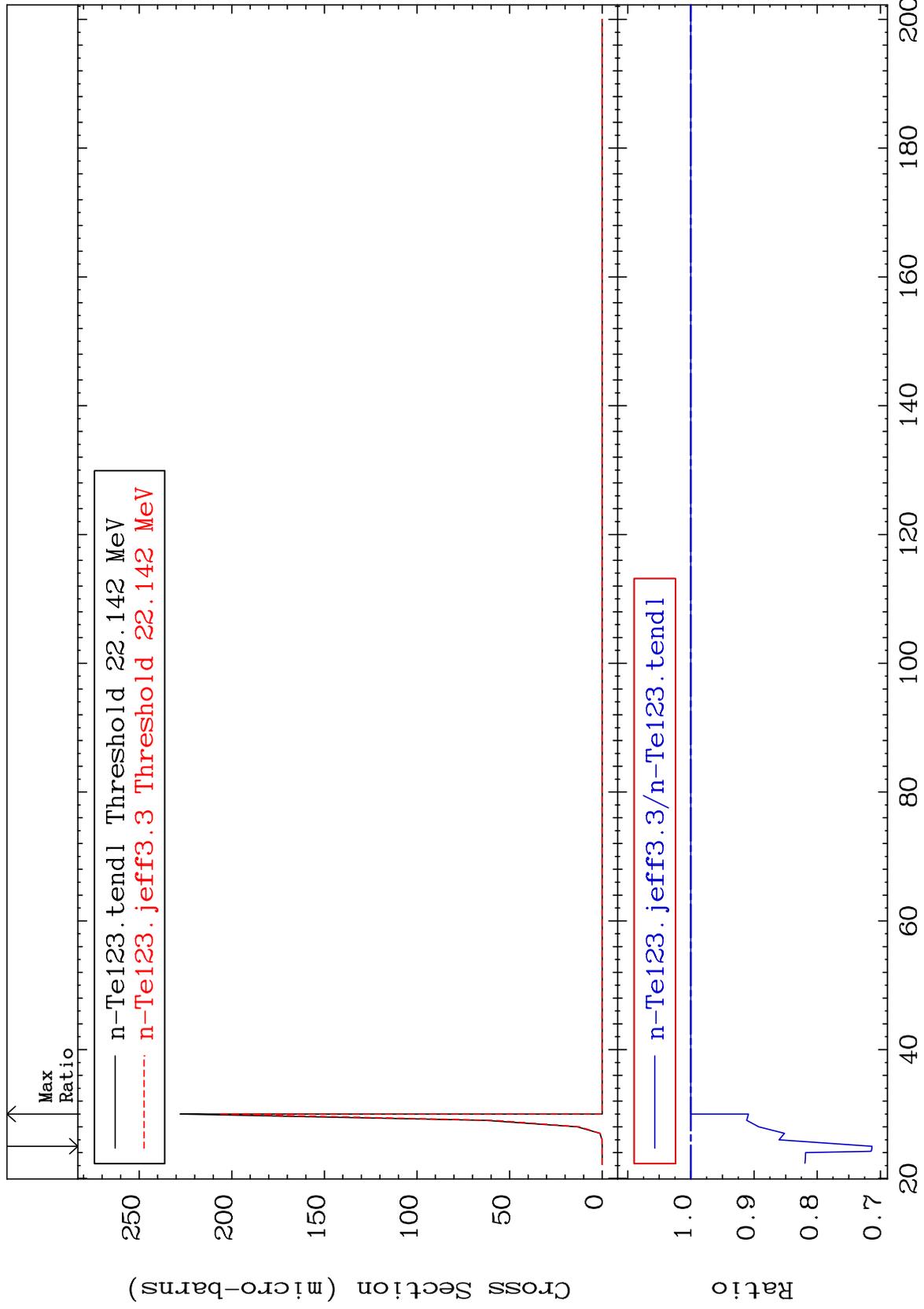
-13.71 To 8.165 %



MAT 5234

(n,2n) d  
Cross Section

52-Te-123  
-28.67 To 0.000 %



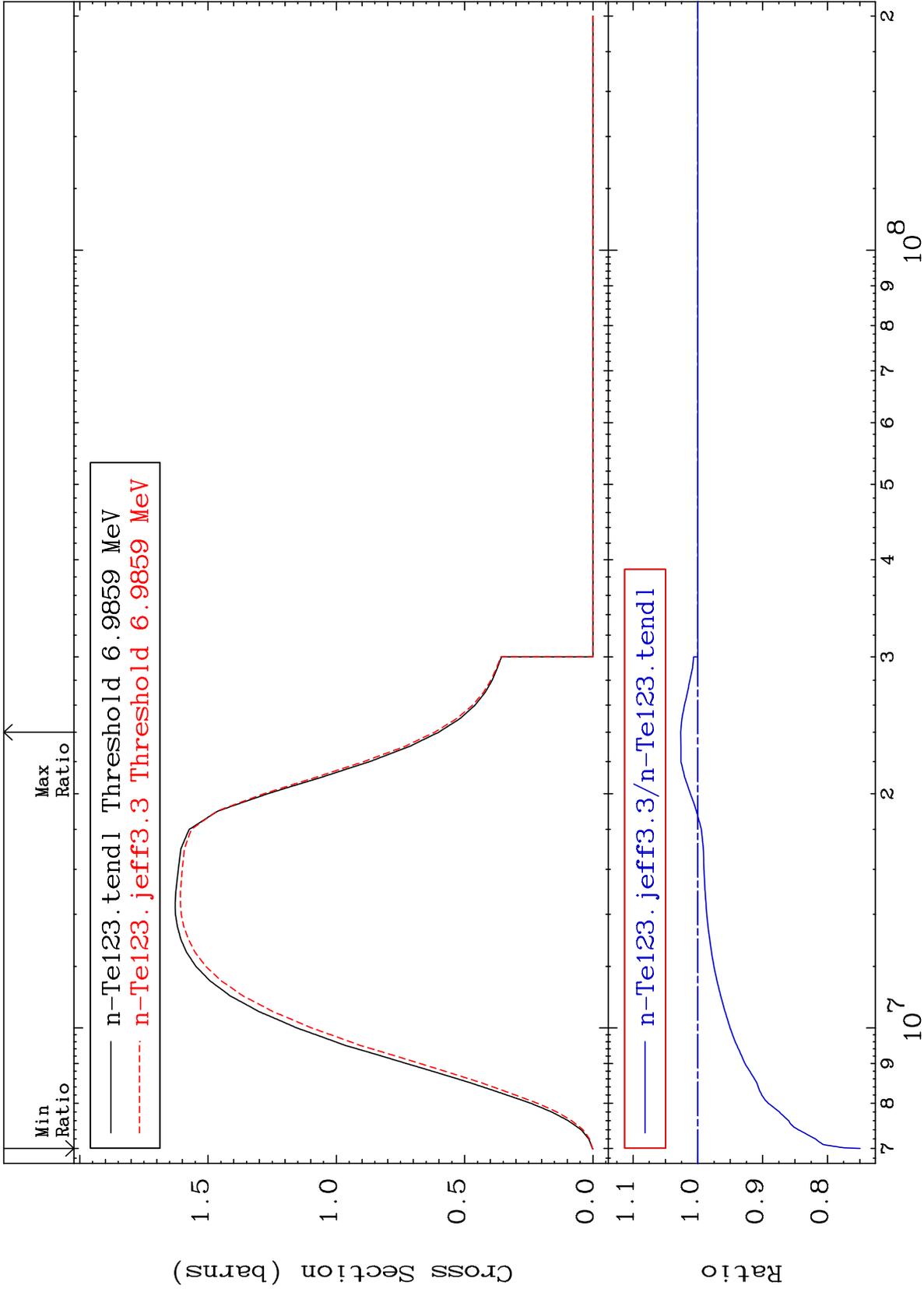
MAT 5234

(n,2n)

52-Te-123

Cross Section

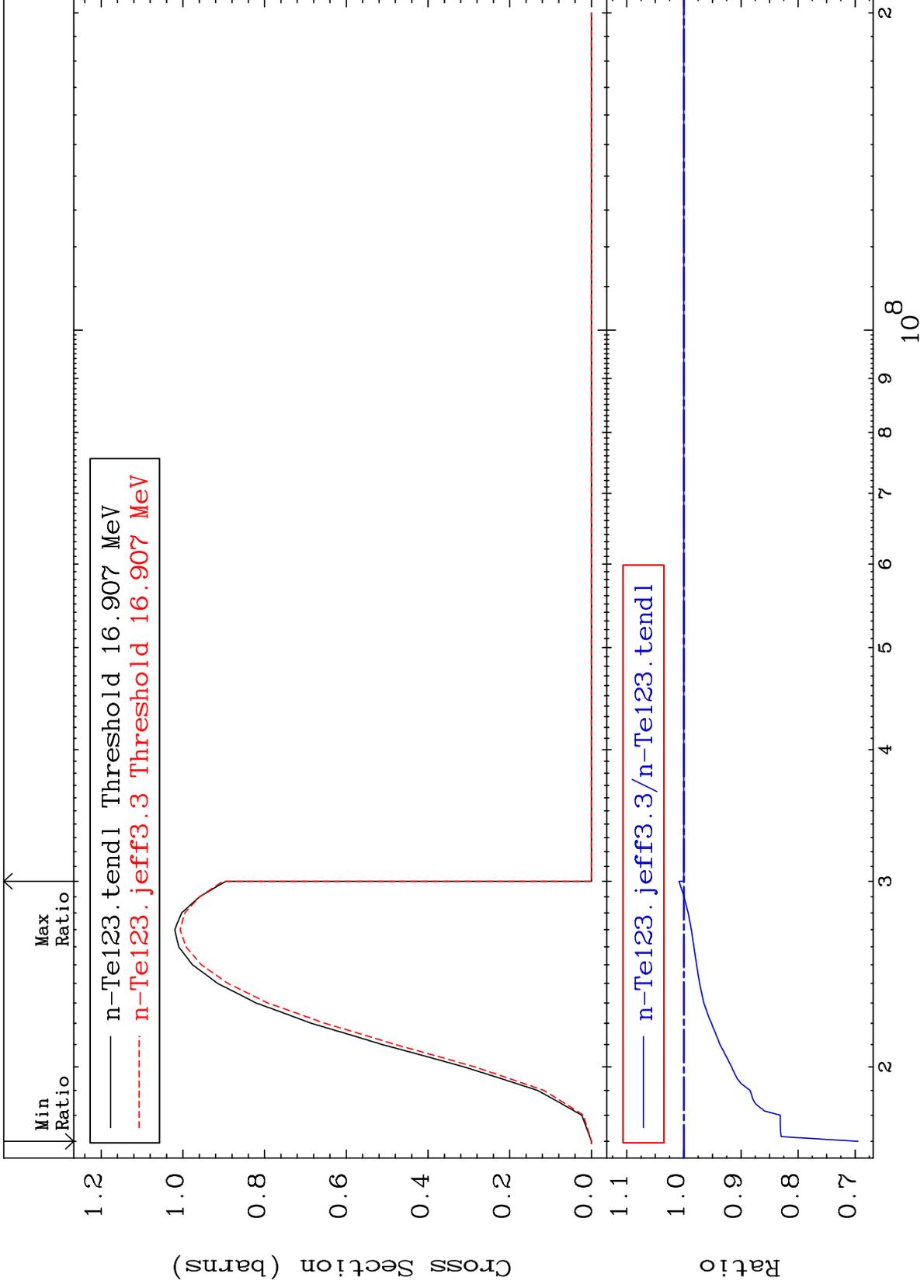
-25.04 To 2.636 %

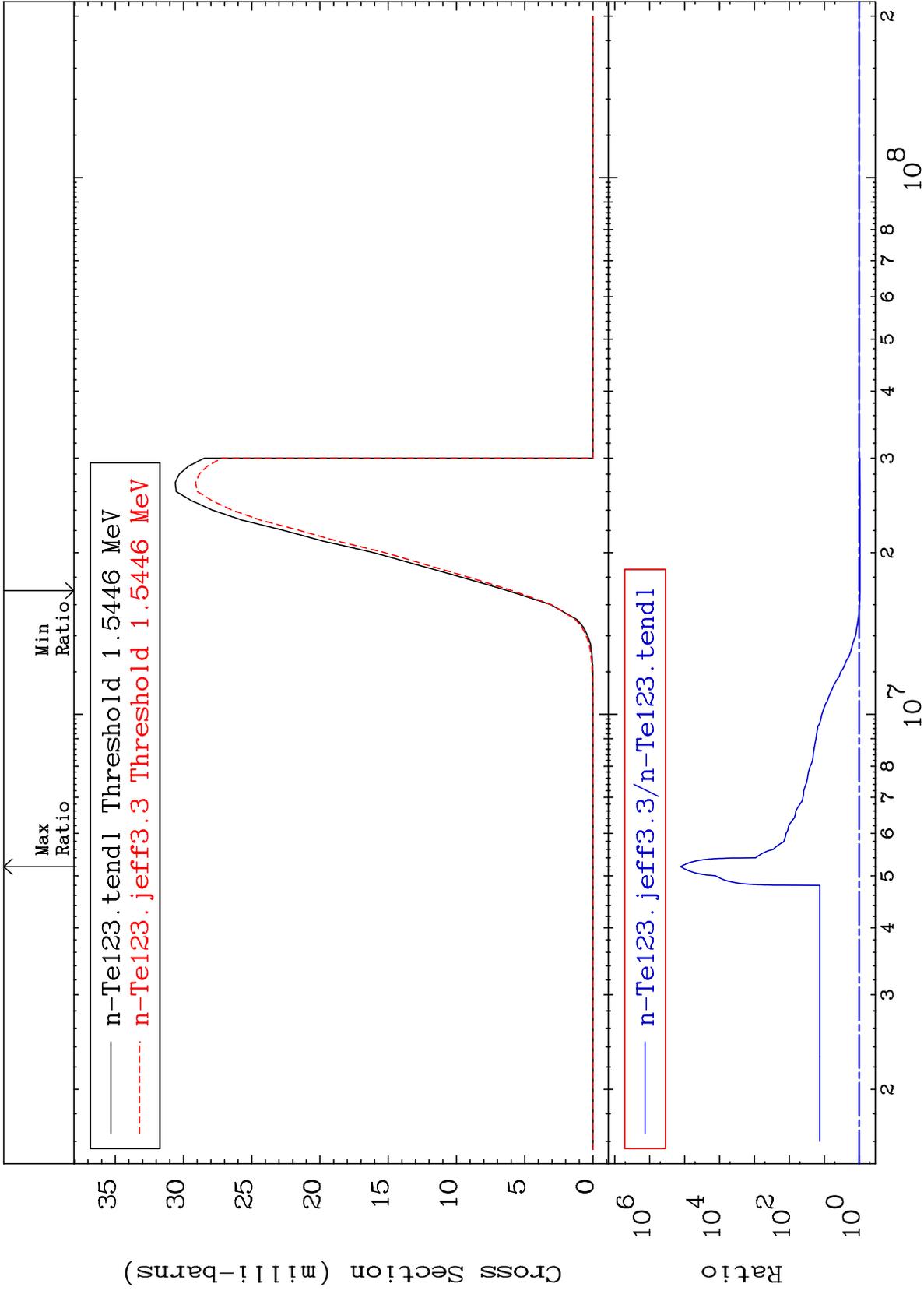


5

Incident Energy (eV)

52-Te-123

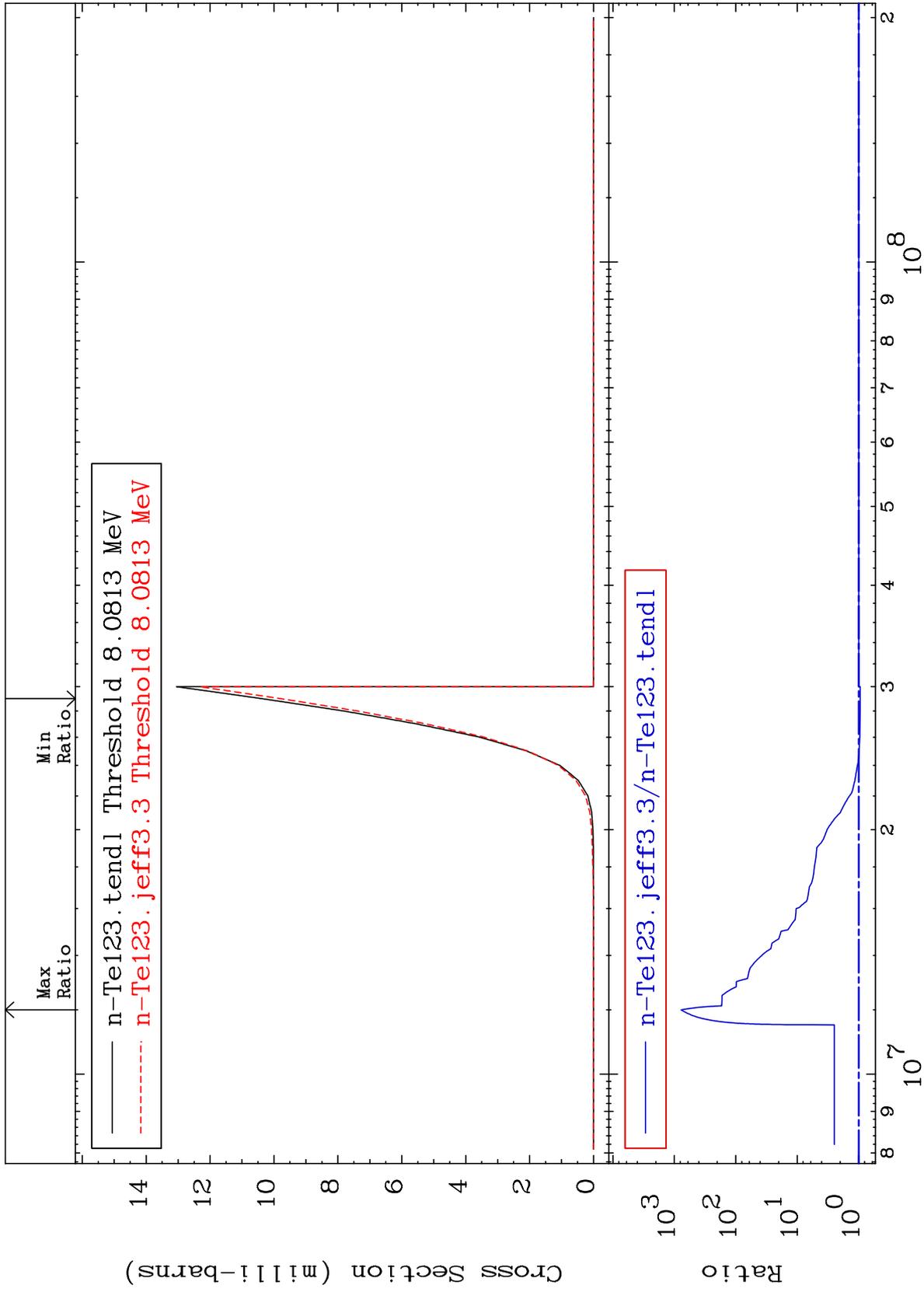




MAT 5234

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

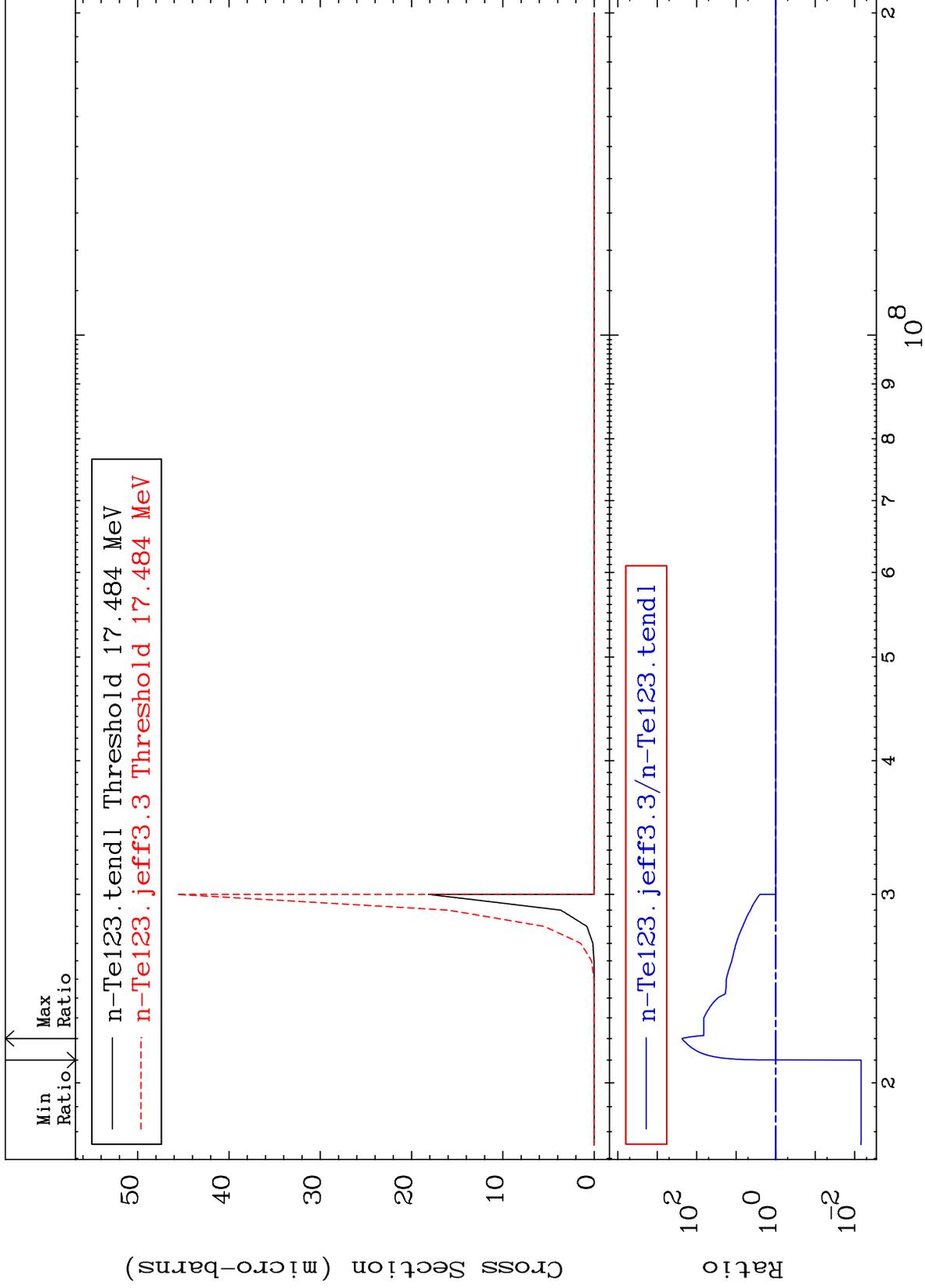
52-Te-123  
-5.681 To 9999. %



MAT 5234

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

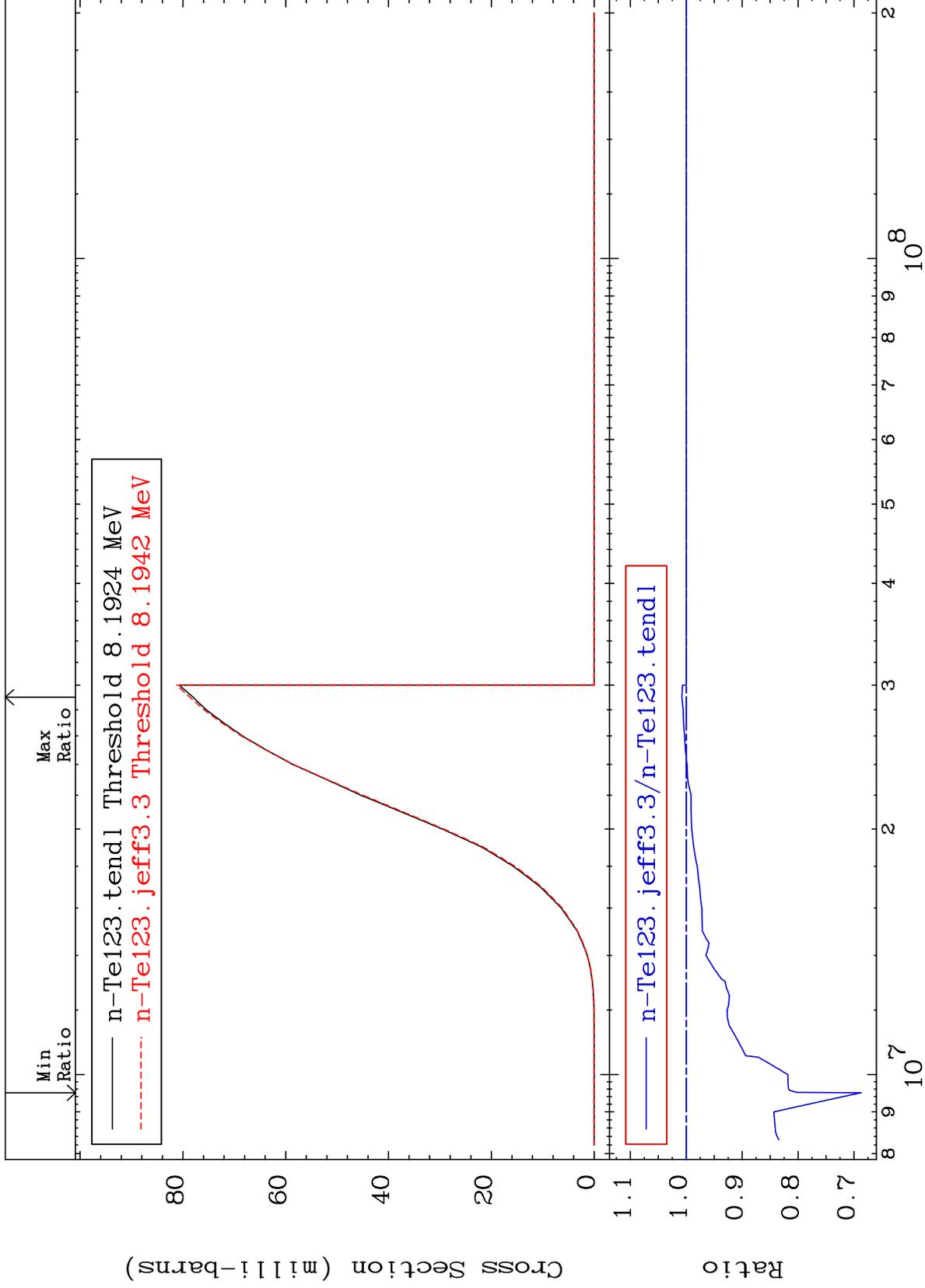
52-Te-123  
-99.31 To 9999. %



MAT 5234

(n,n') p  
Cross Section

52-Te-123  
-31.26 To 0.767 %



10

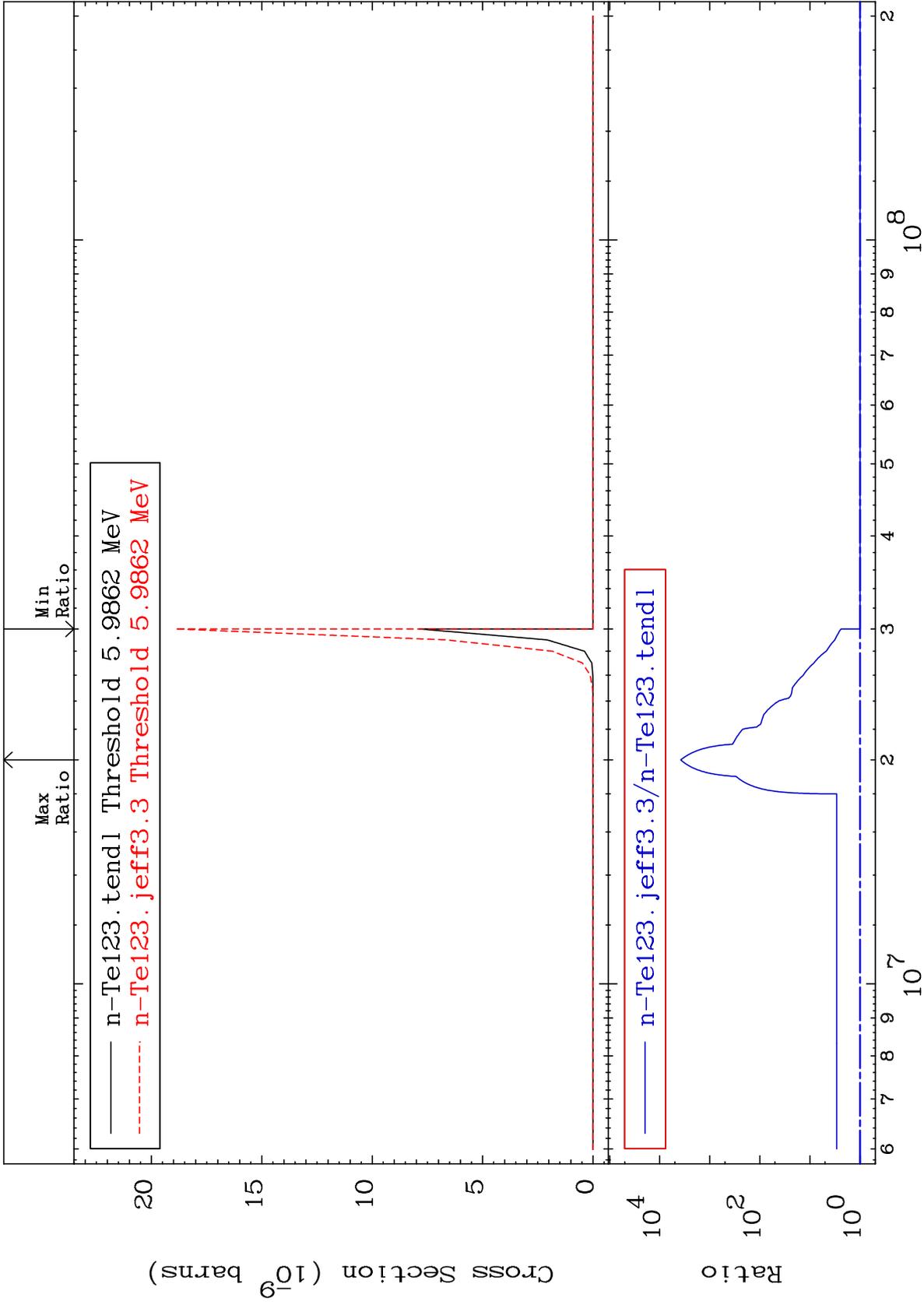
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
To 9999. %



11

Incident Energy (eV)

52-Te-123

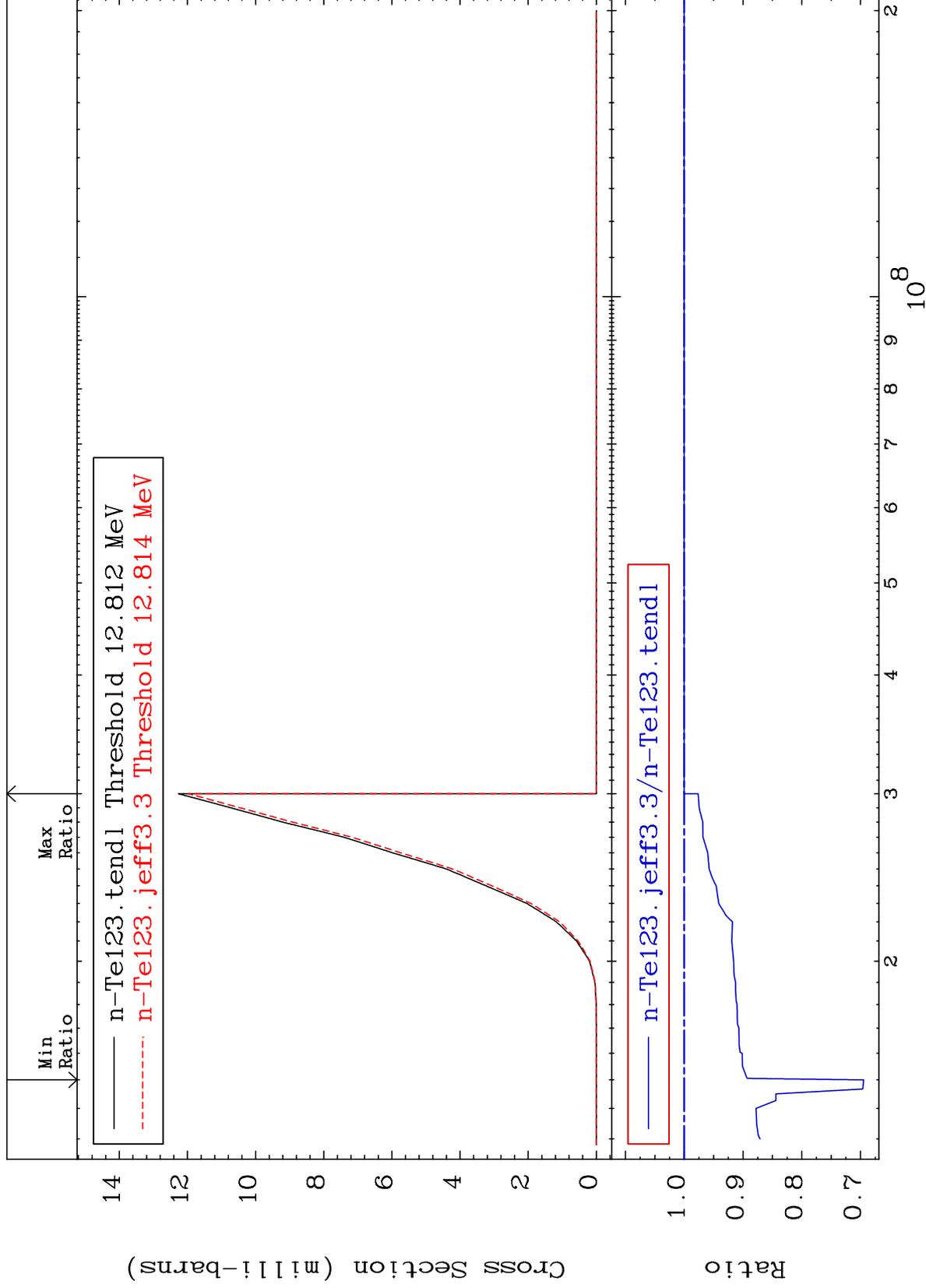
MAT 5234

(n,n') d

52-Te-123

Cross Section

-30.52 To 0.000 %



12

Incident Energy (eV)

52-Te-123

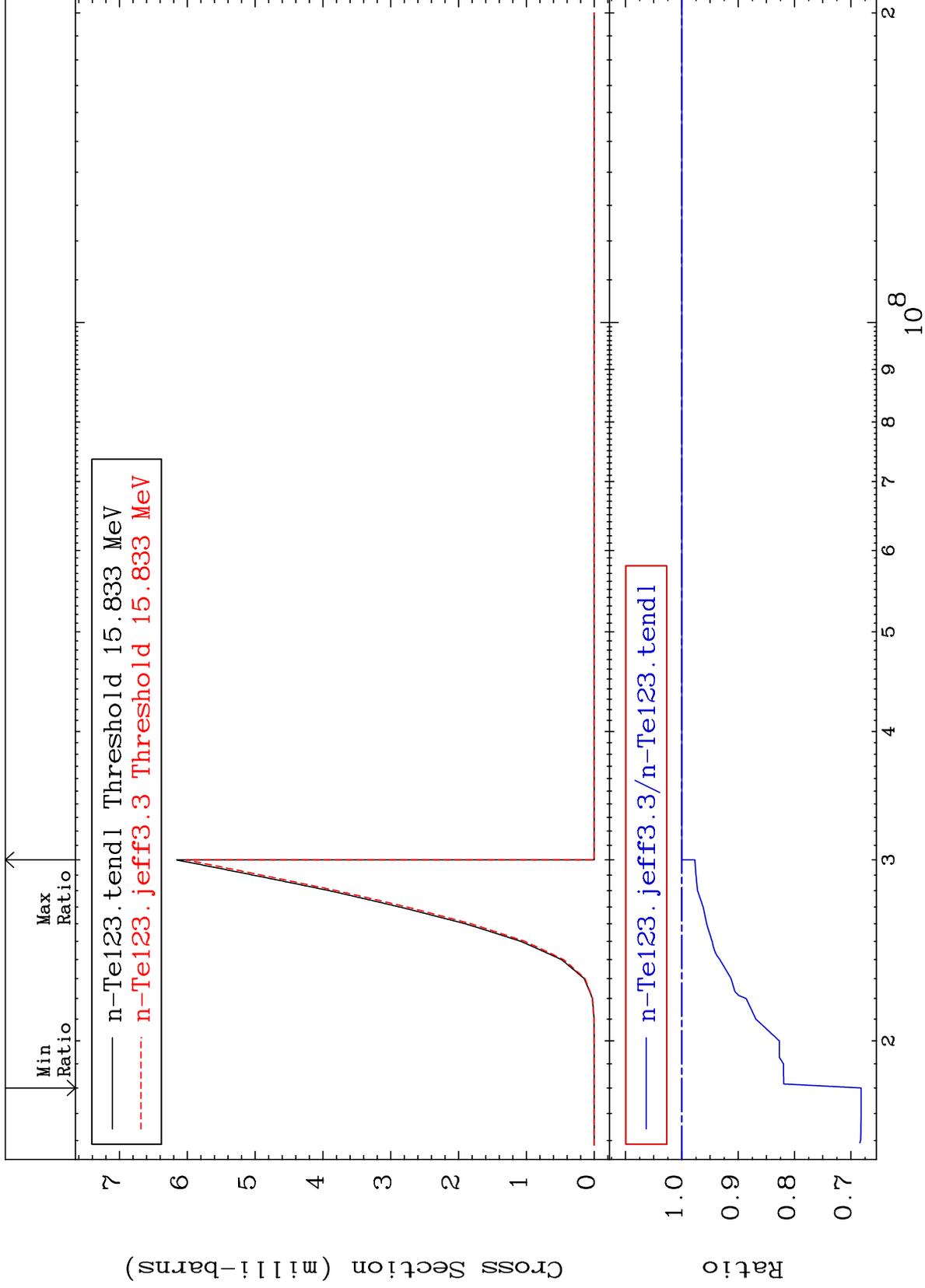
MAT 5234

(n,n') t

52-Te-123

Cross Section

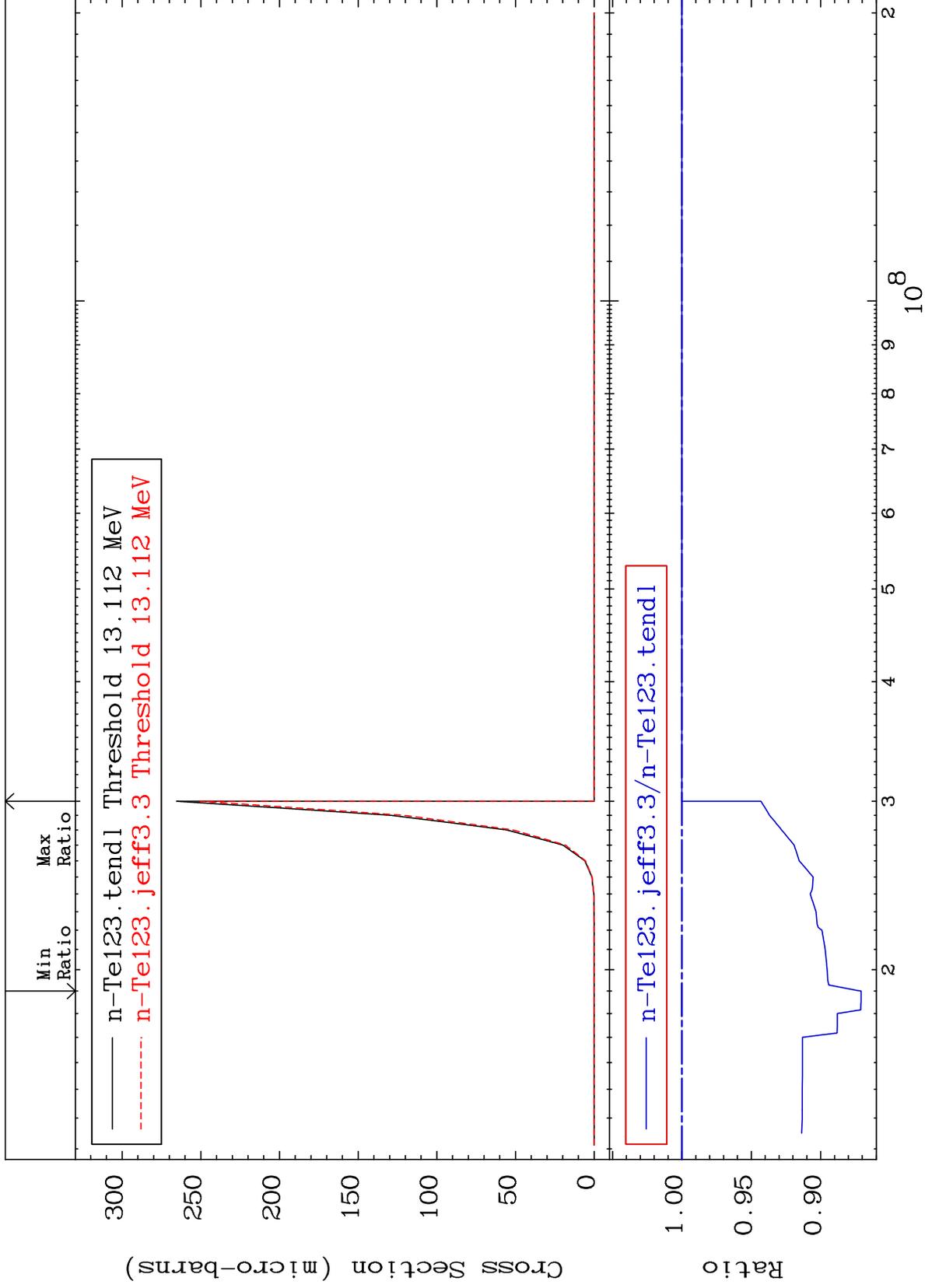
-31.81 To 0.000 %



MAT 5234

(n, n') He-3  
Cross Section

52-Te-123  
-12.92 To 0.000 %



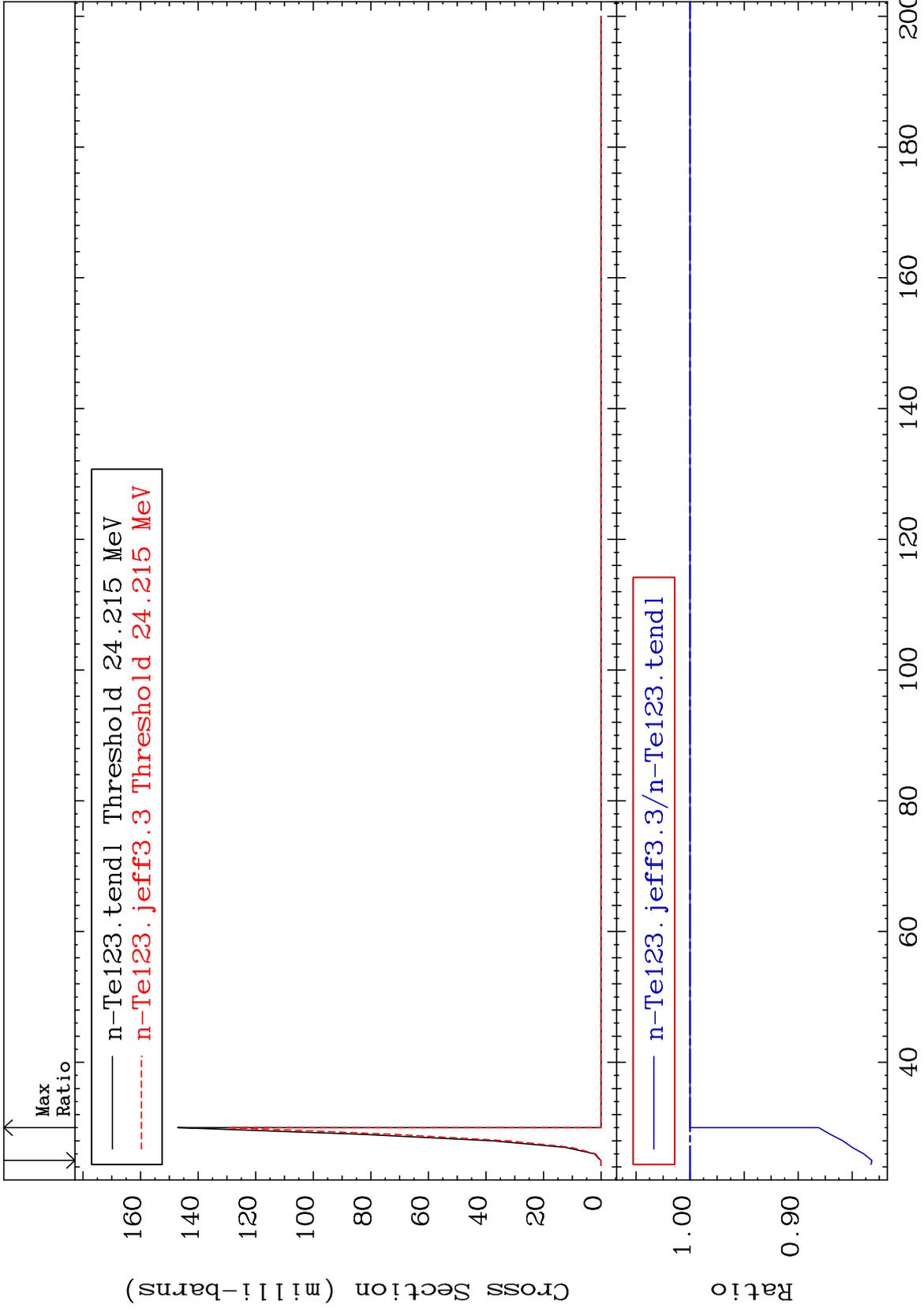
MAT 5234

(n,4n)

52-Te-123

Cross Section

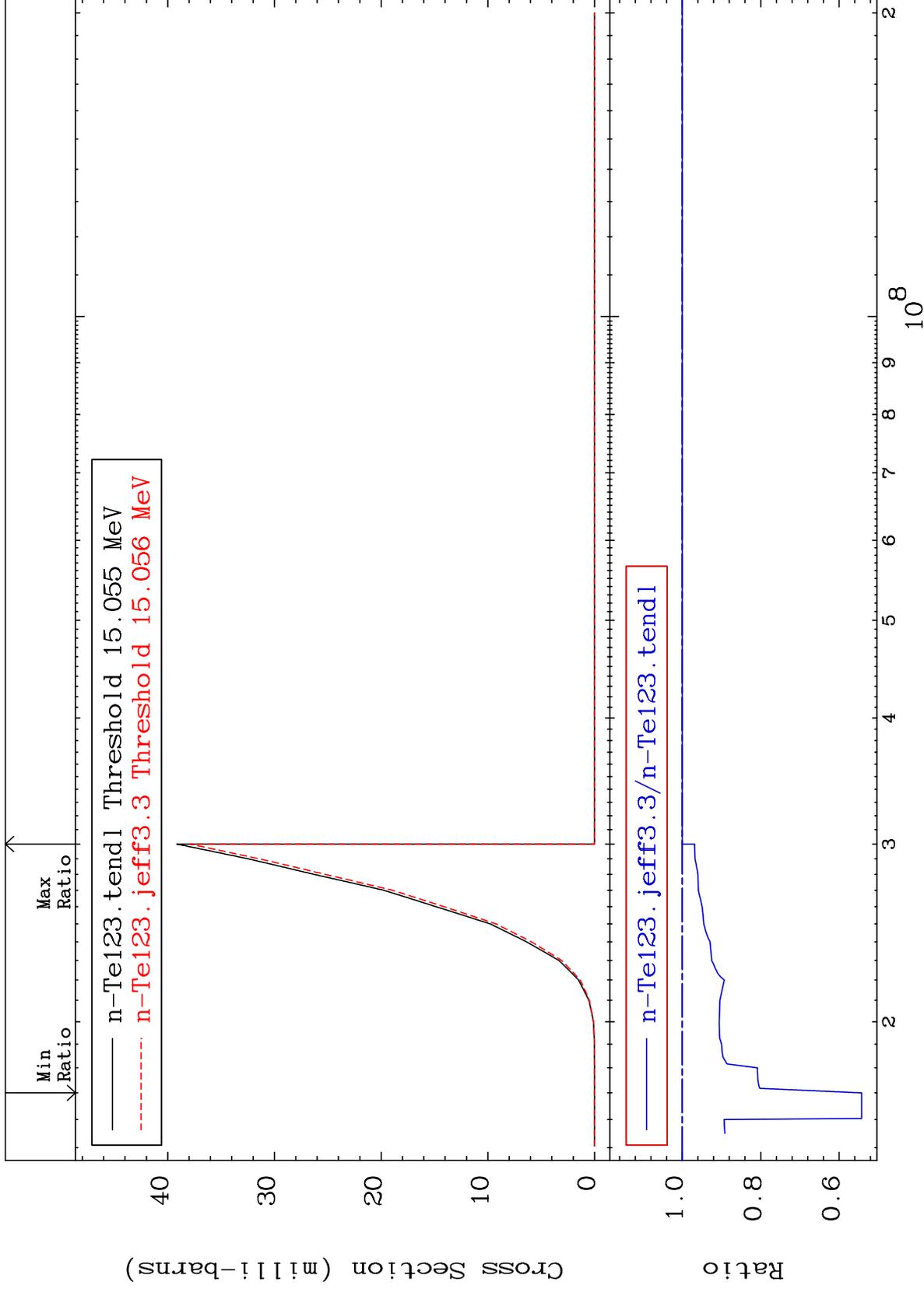
-16.81 To 0.000 %



MAT 5234

(n,2n) p  
Cross Section

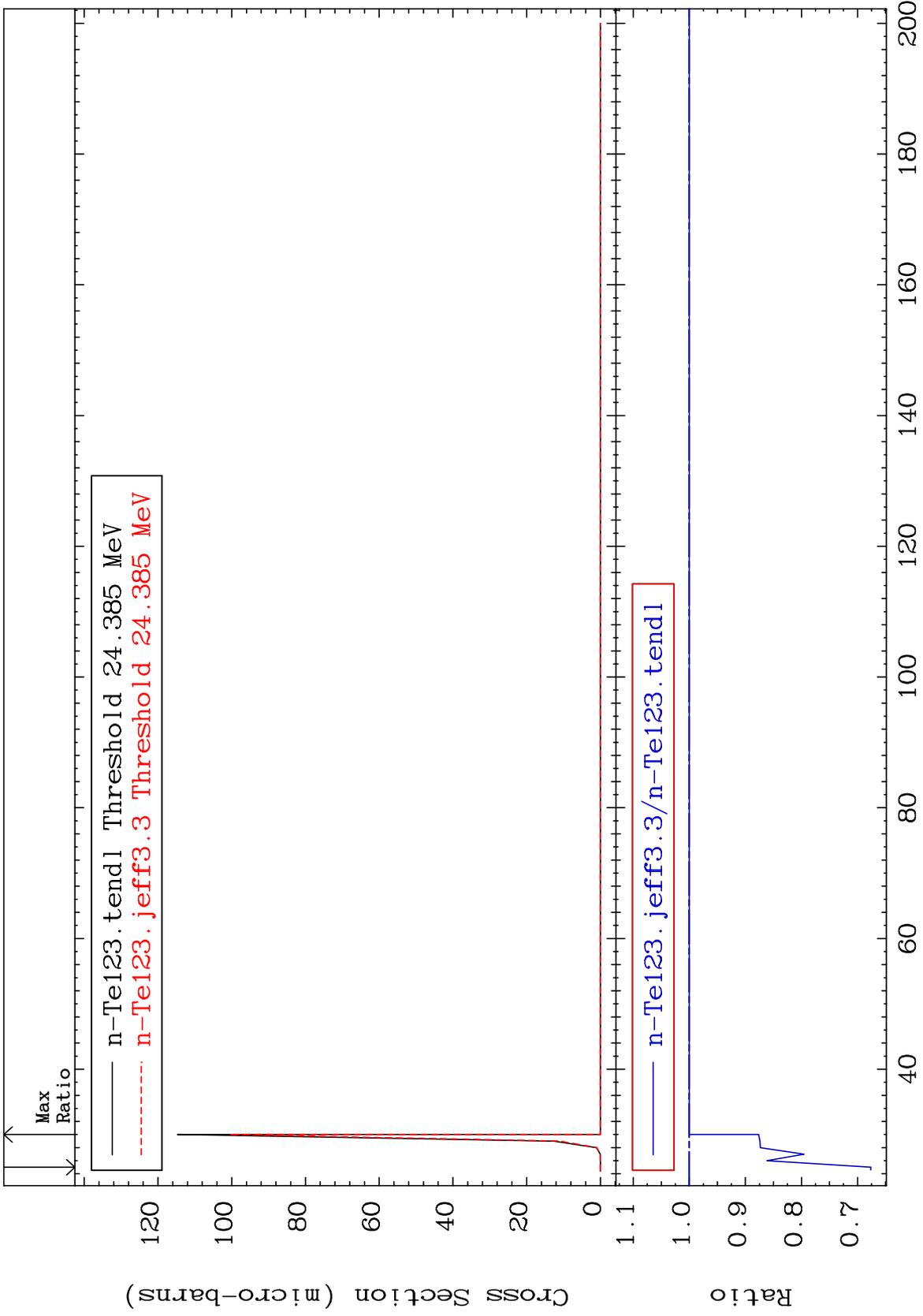
52-Te-123  
-45.77 To 0.000 %



MAT 5234

(n,3n) p  
Cross Section

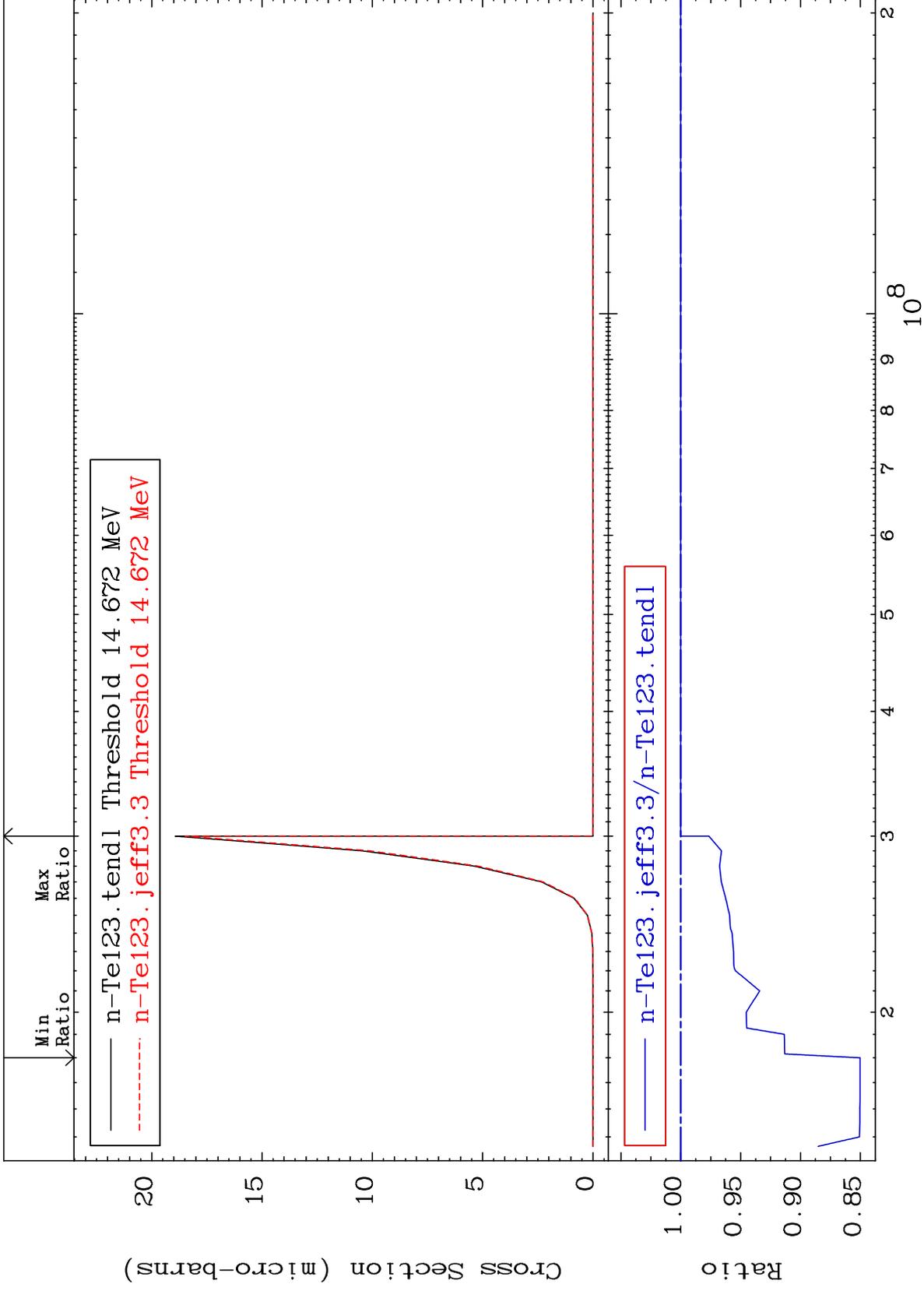
52-Te-123  
-32.39 To 0.000 %



MAT 5234

(n,2n) p  
Cross Section

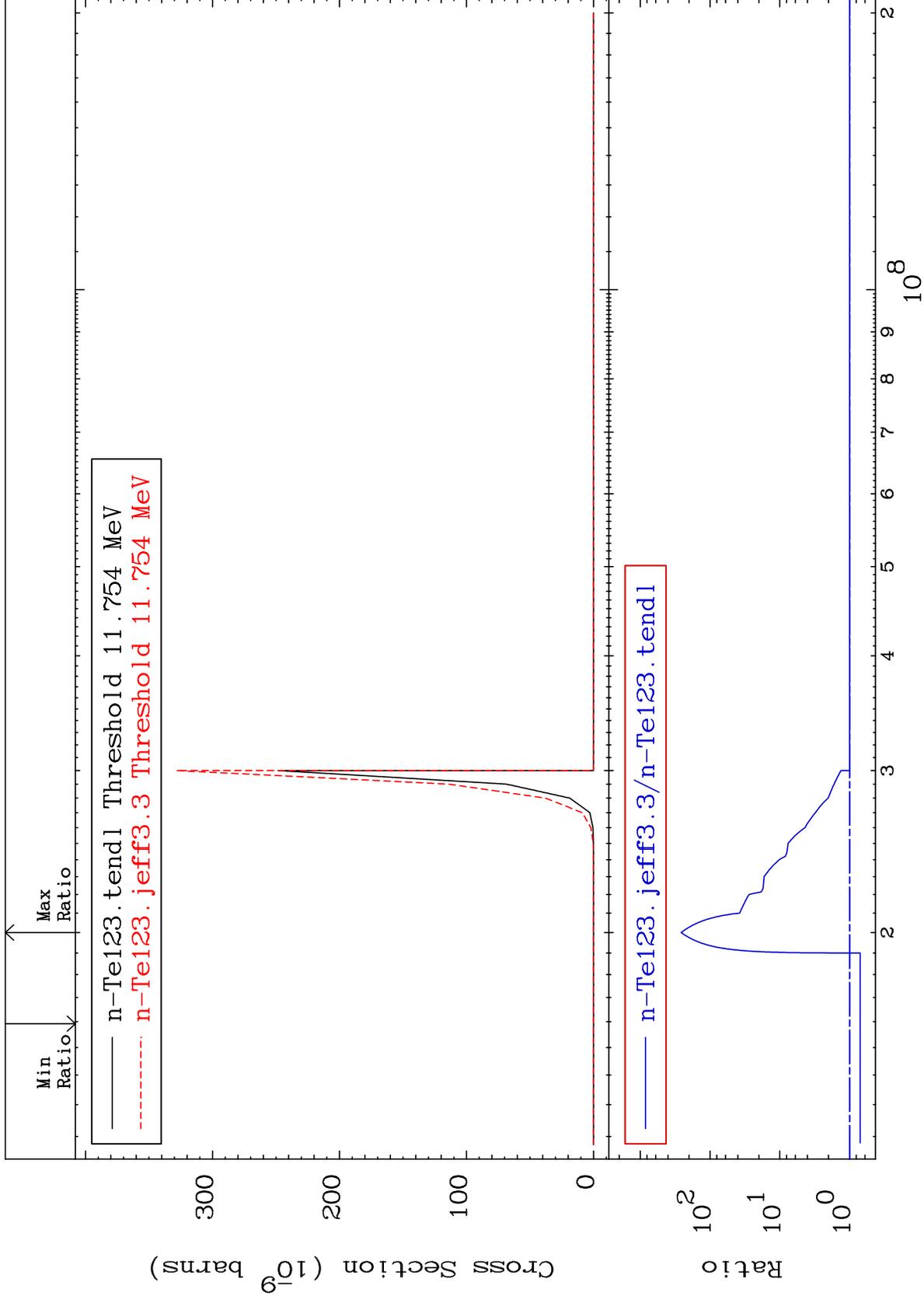
52-Te-123  
-14.98 To 0.000 %



MAT 5234

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

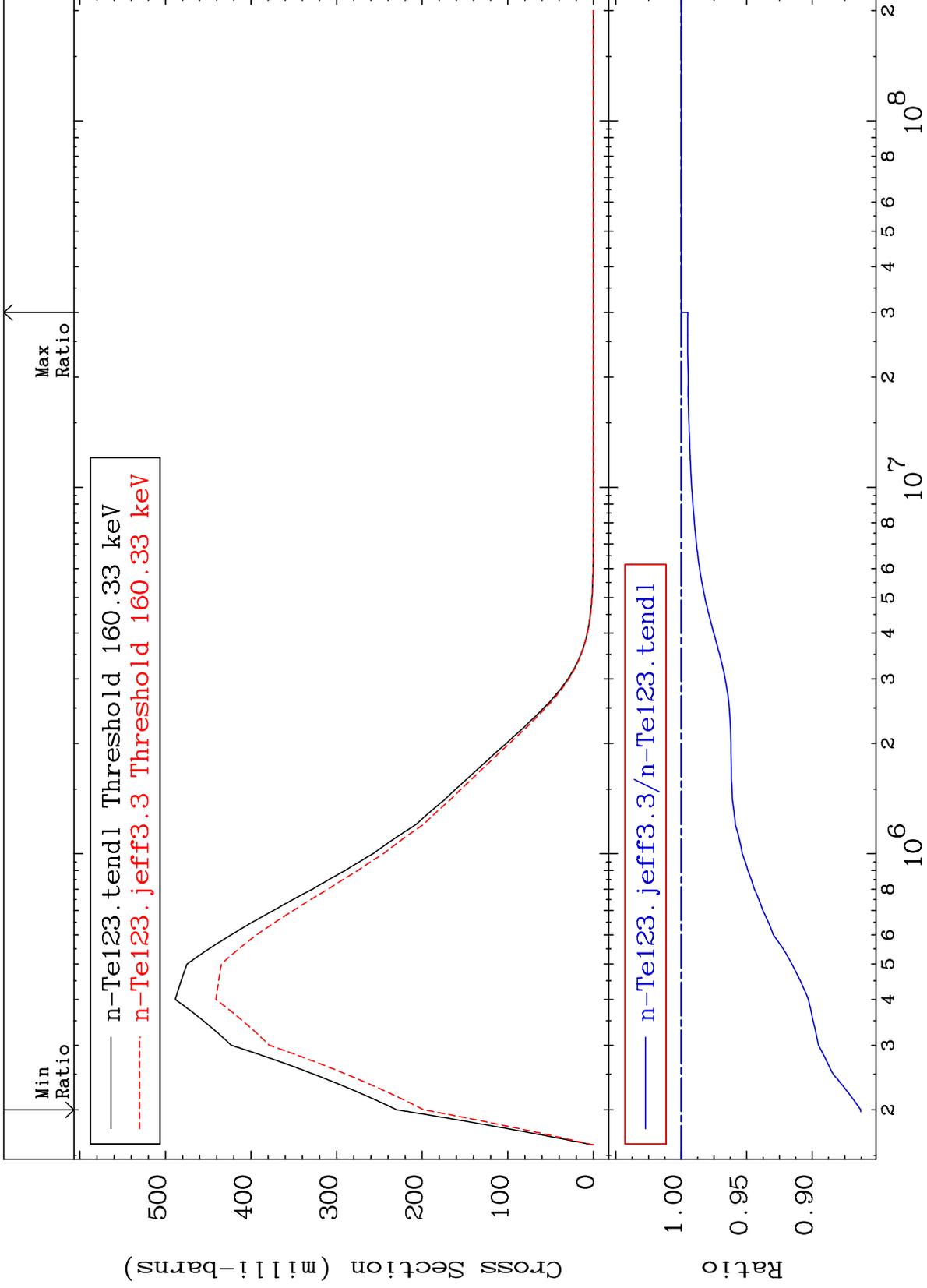
52-Te-123  
-29.63 To 9999. %



MAT 5234

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

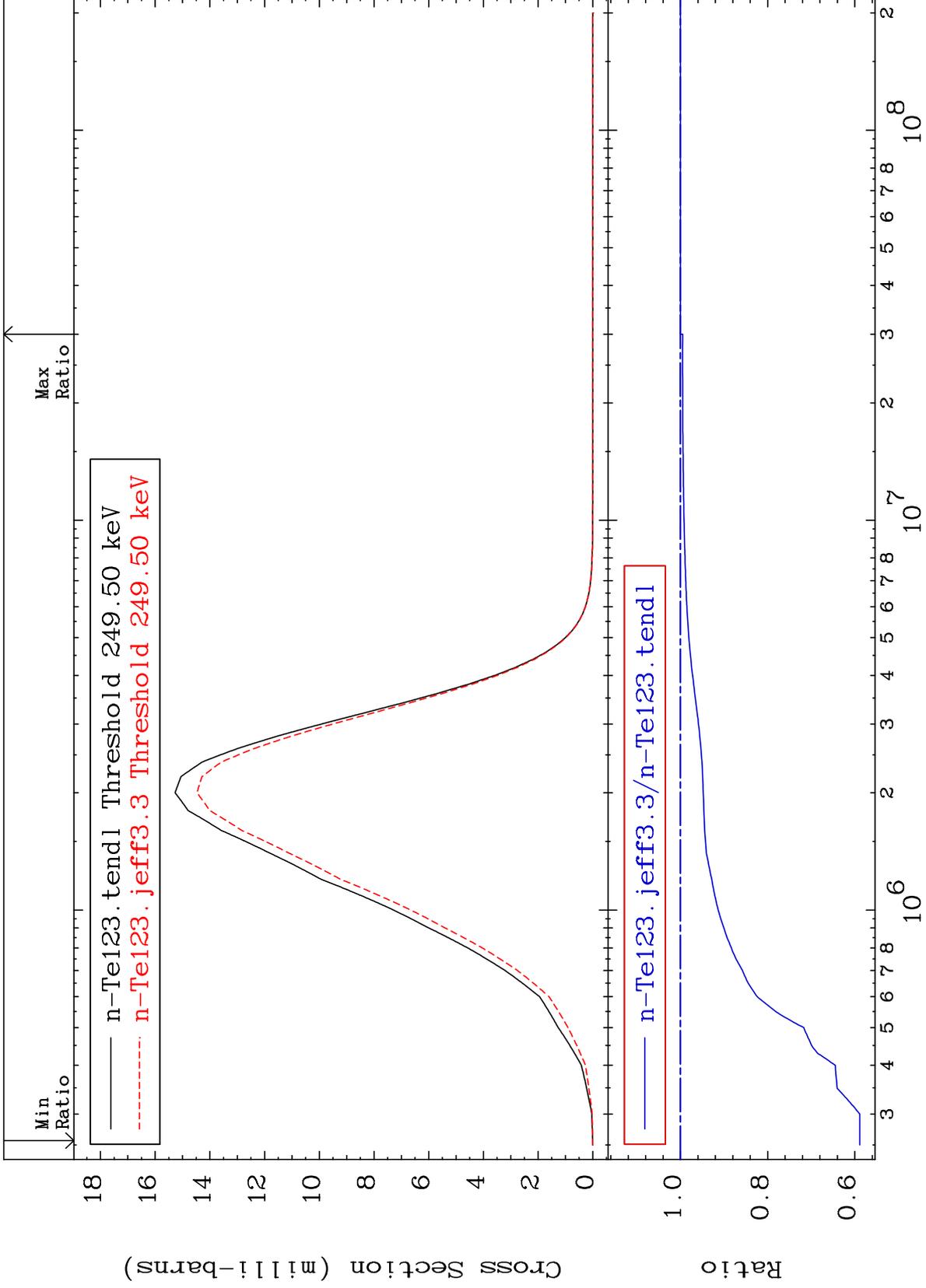
52-Te-123  
-13.71 To 0.000 %



MAT 5234

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

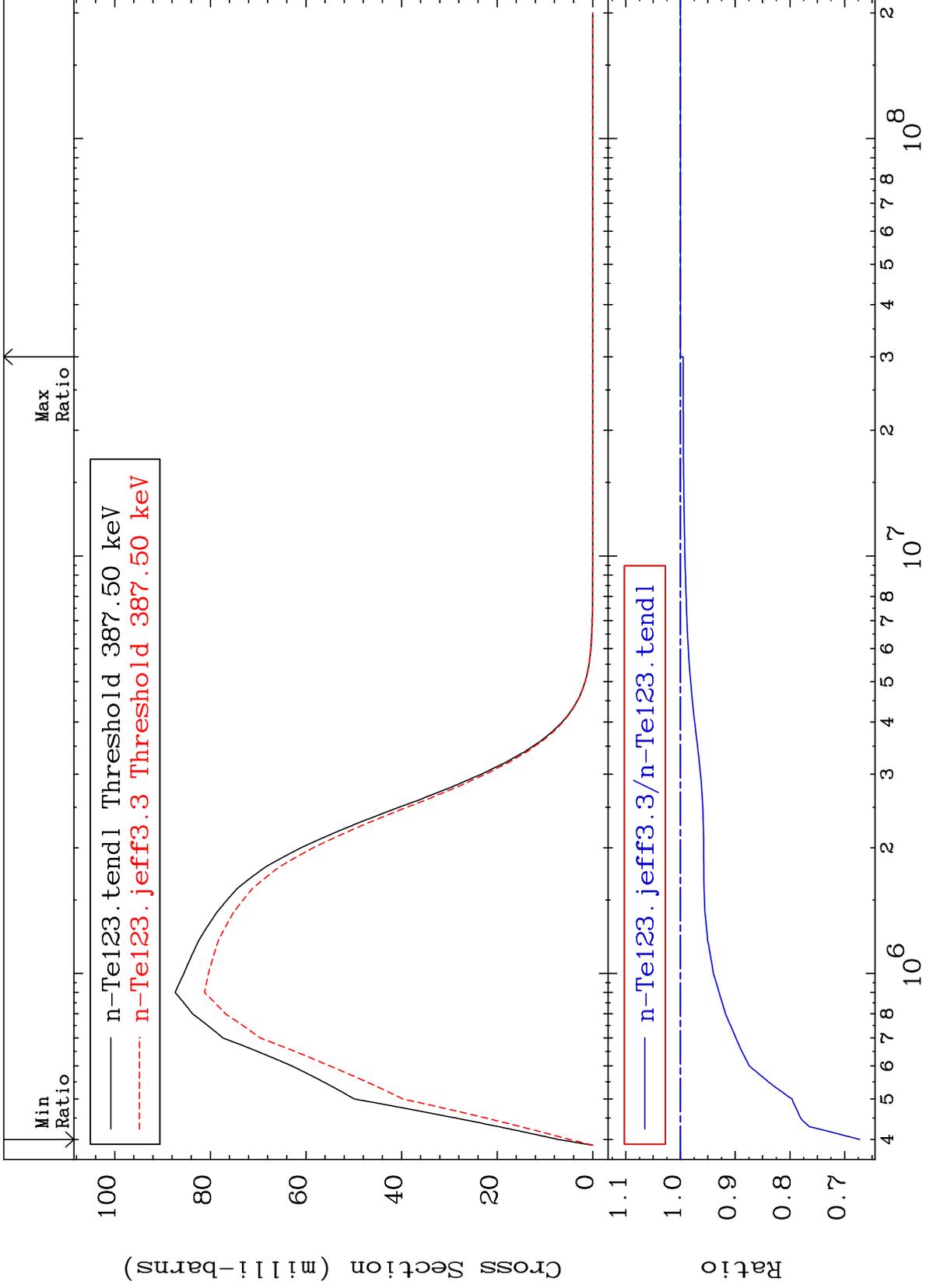
52-Te-123  
-41.15 To 0.000 %



MAT 5234

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

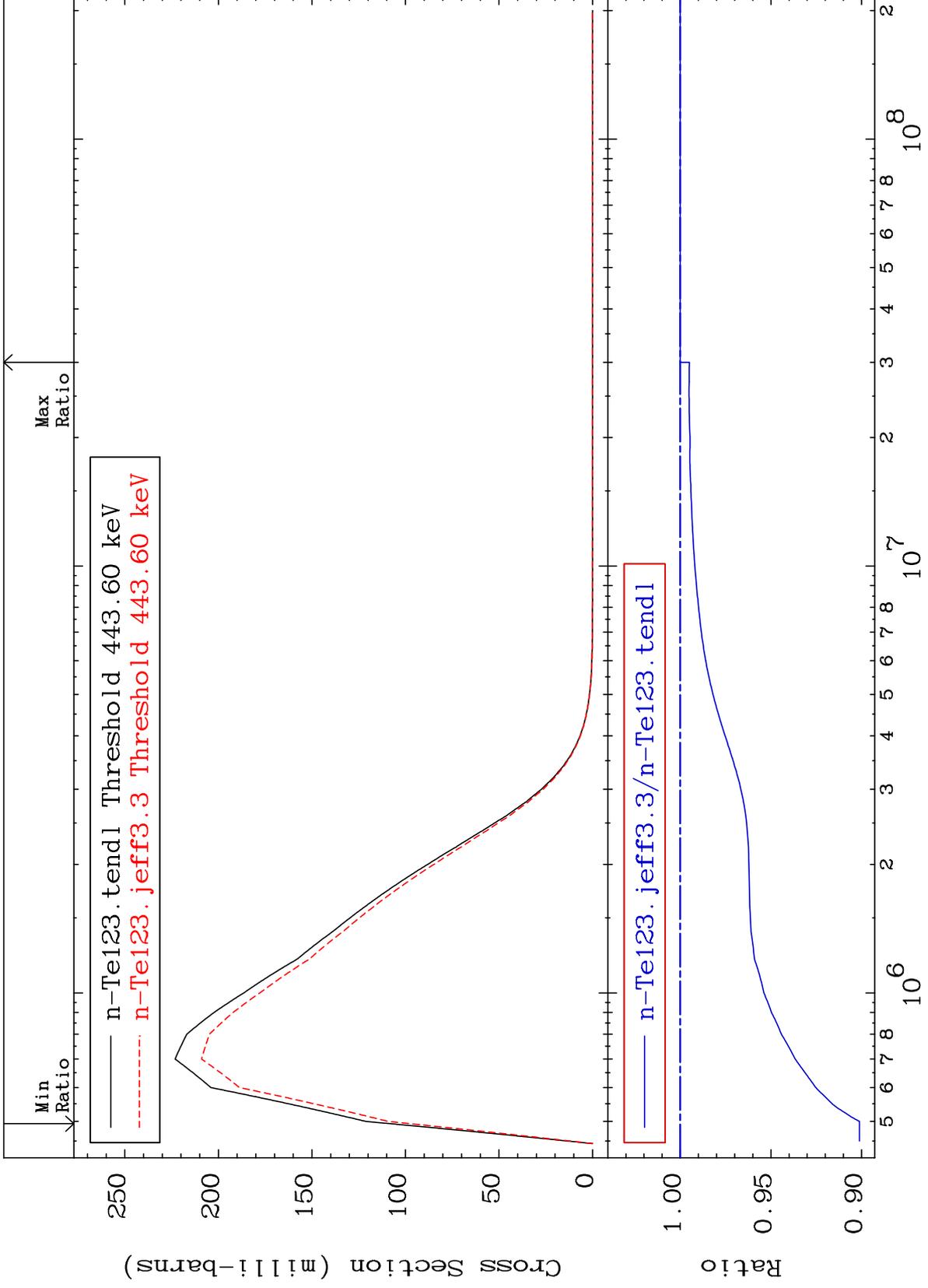
52-Te-123  
-32.76 To 0.000 %



MAT 5234

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

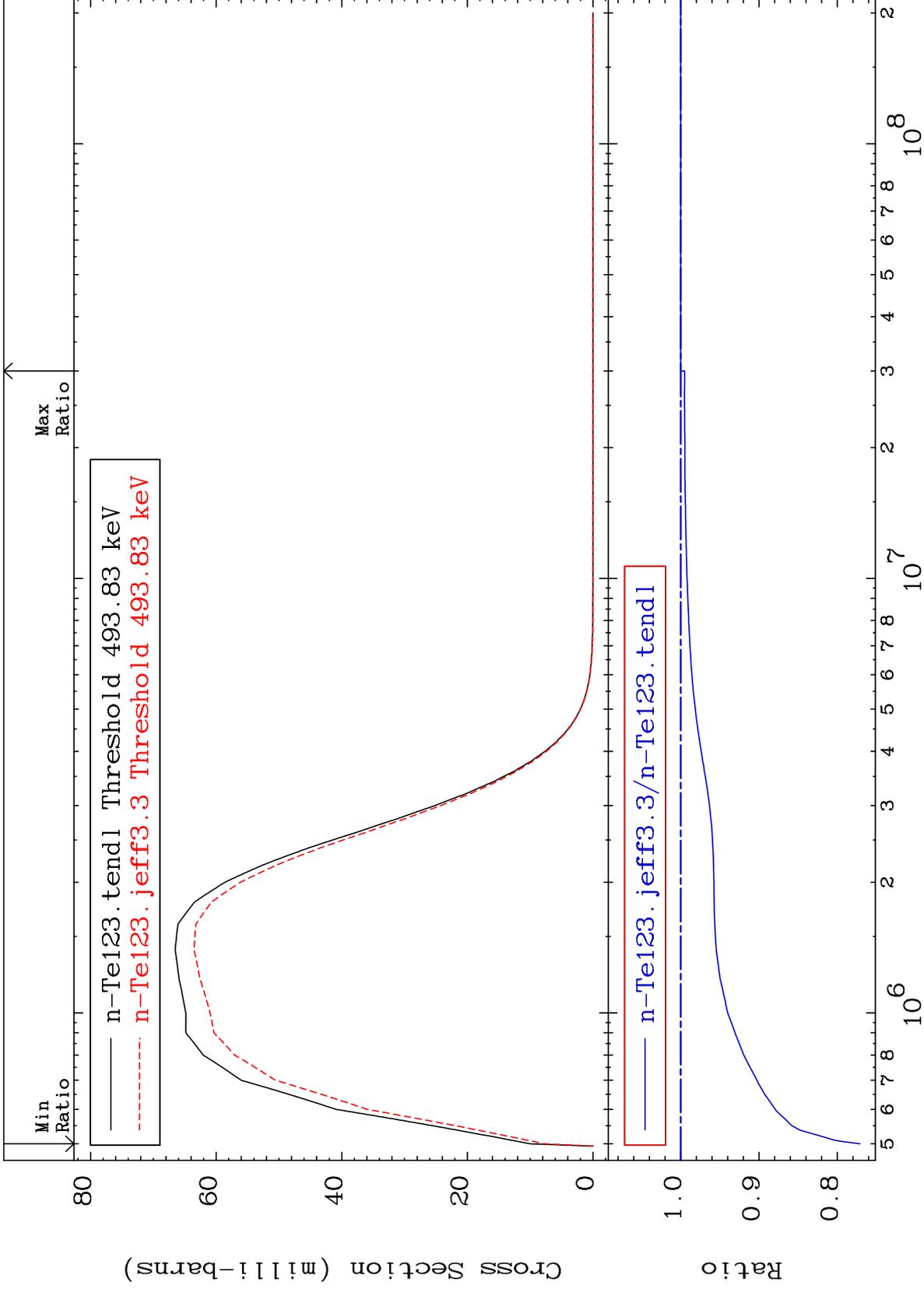
52-Te-123  
-9.884 To 0.000 %



MAT 5234

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

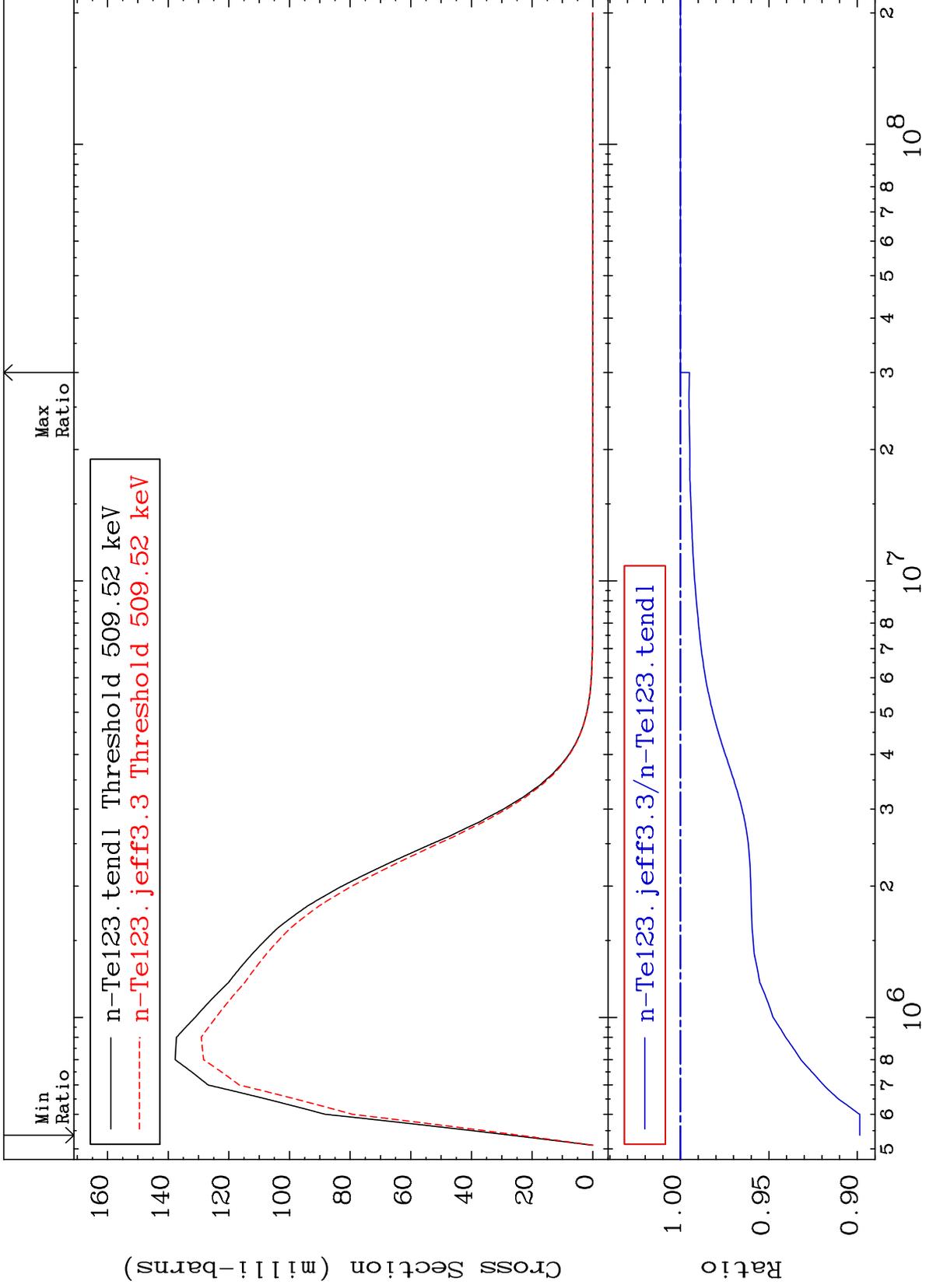
52-Te-123  
-22.90 To 0.000 %



MAT 5234

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

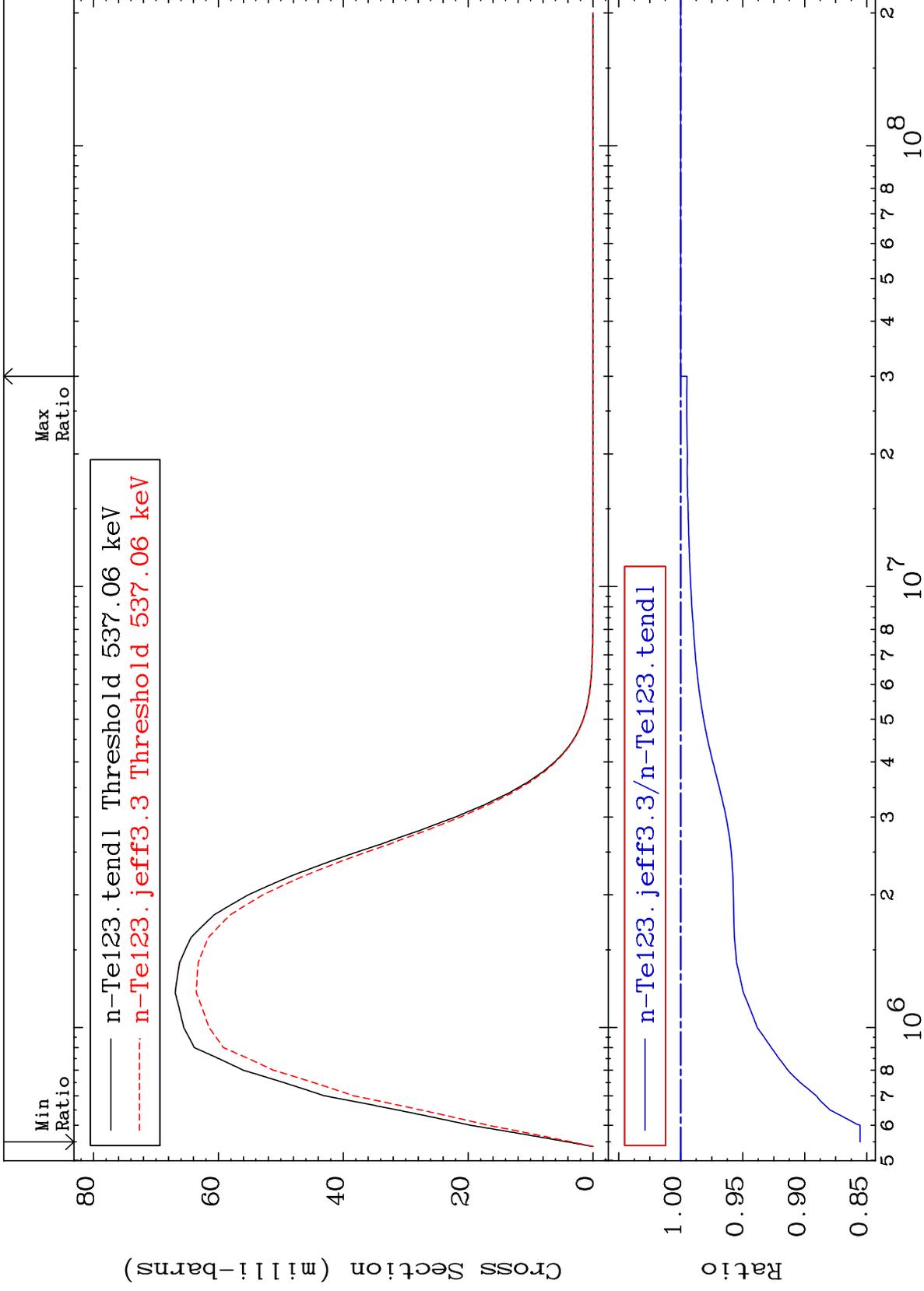
52-Te-123  
-10.14 To 0.000 %



MAT 5234

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

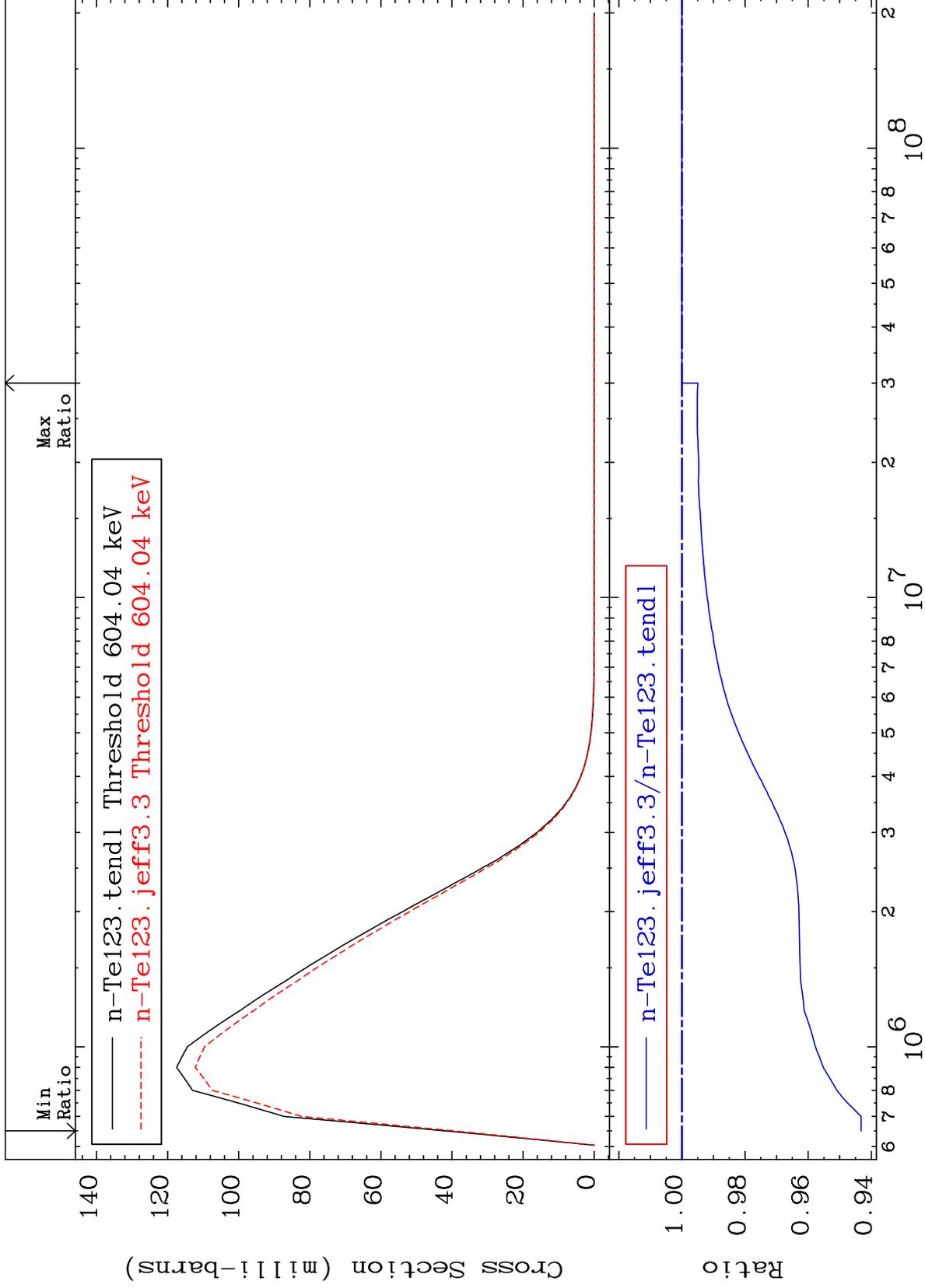
52-Te-123  
-14.46 To 0.000 %



MAT 5234

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

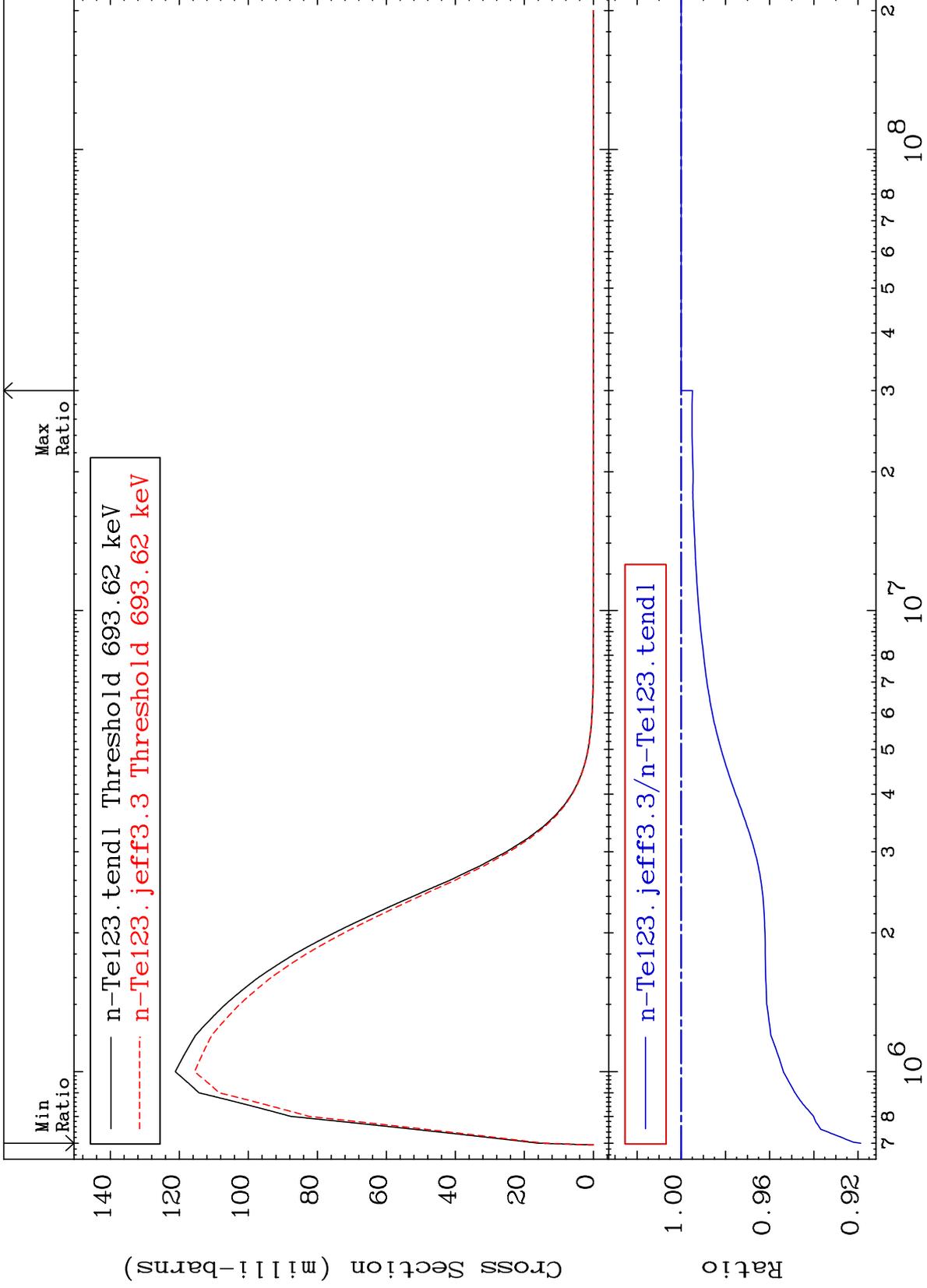
52-Te-123  
-5.679 To 0.000 %



MAT 5234

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

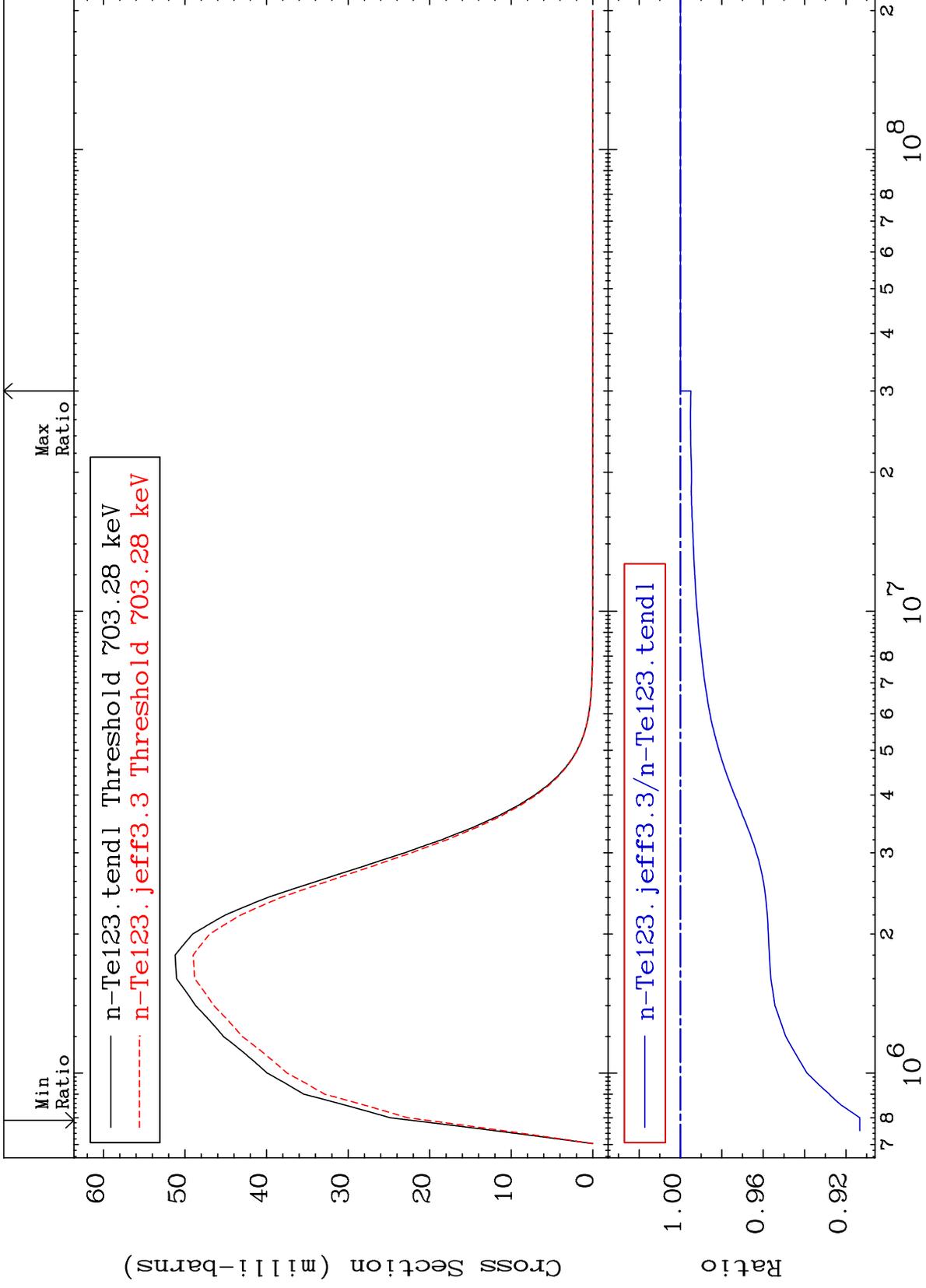
52-Te-123  
-8.123 To 0.000 %



MAT 5234

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

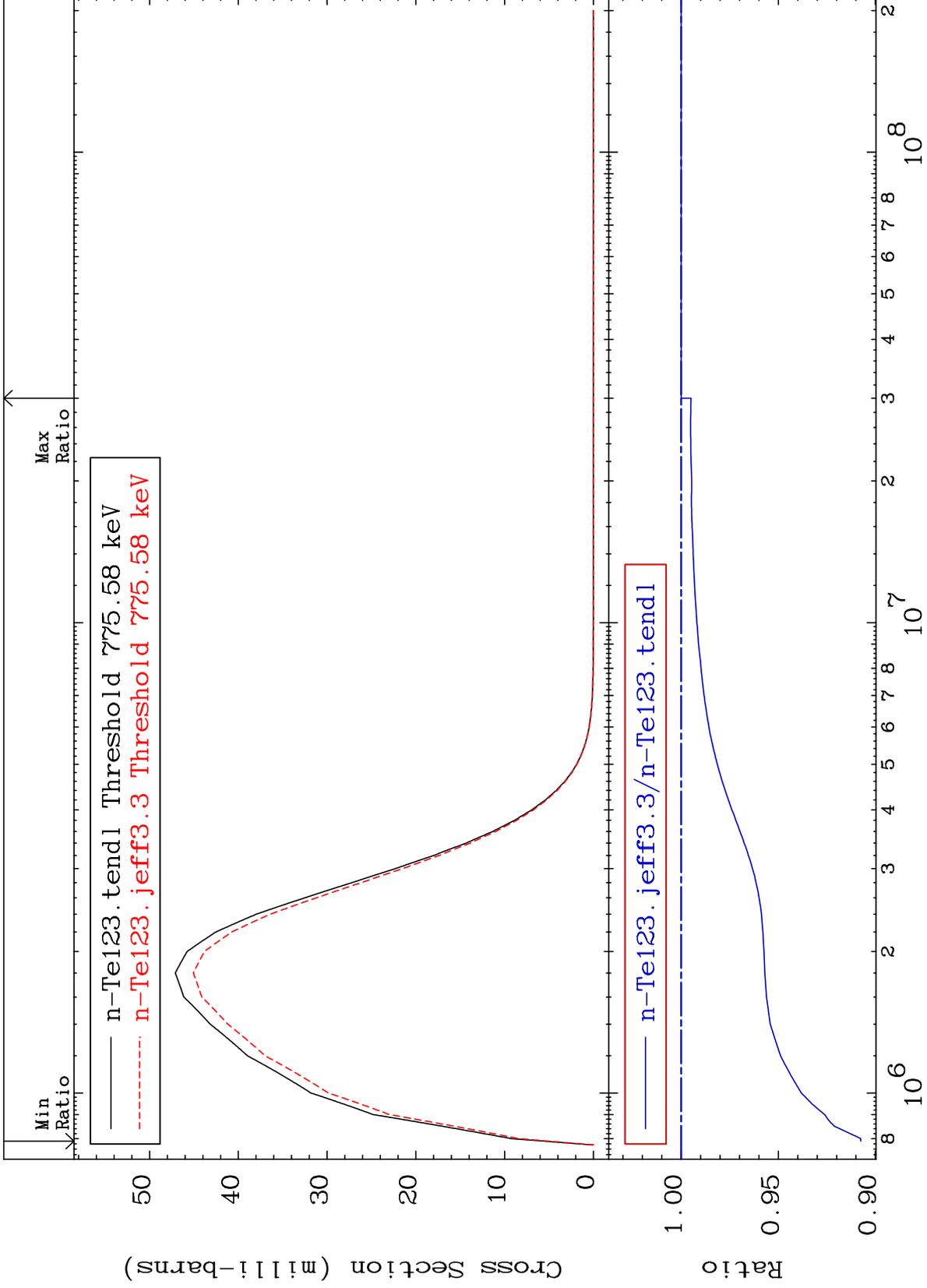
52-Te-123  
-8.669 To 0.000 %



MAT 5234

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

52-Te-123  
-9.243 To 0.000 %



30

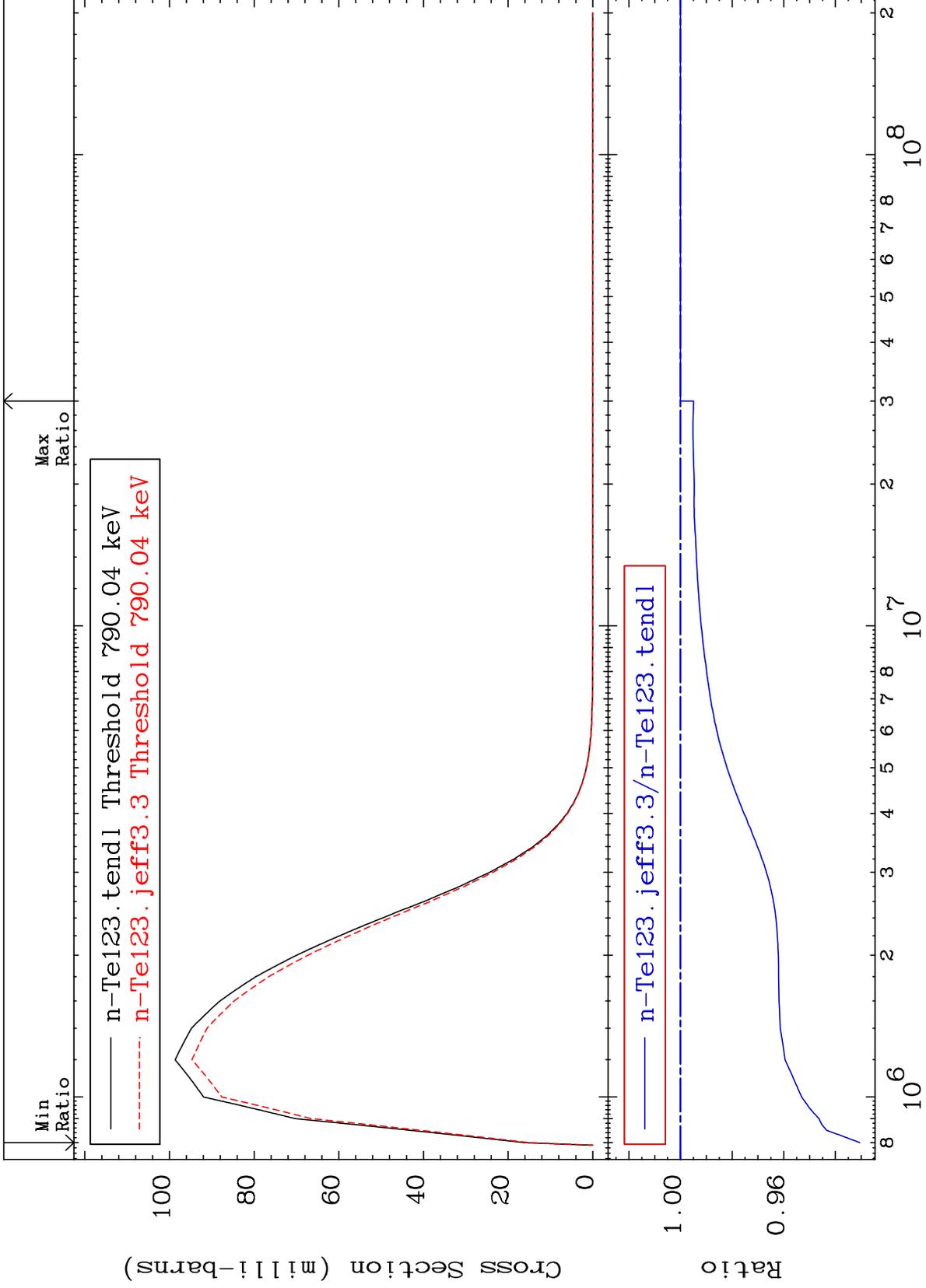
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-6.943 To 0.000 %



31

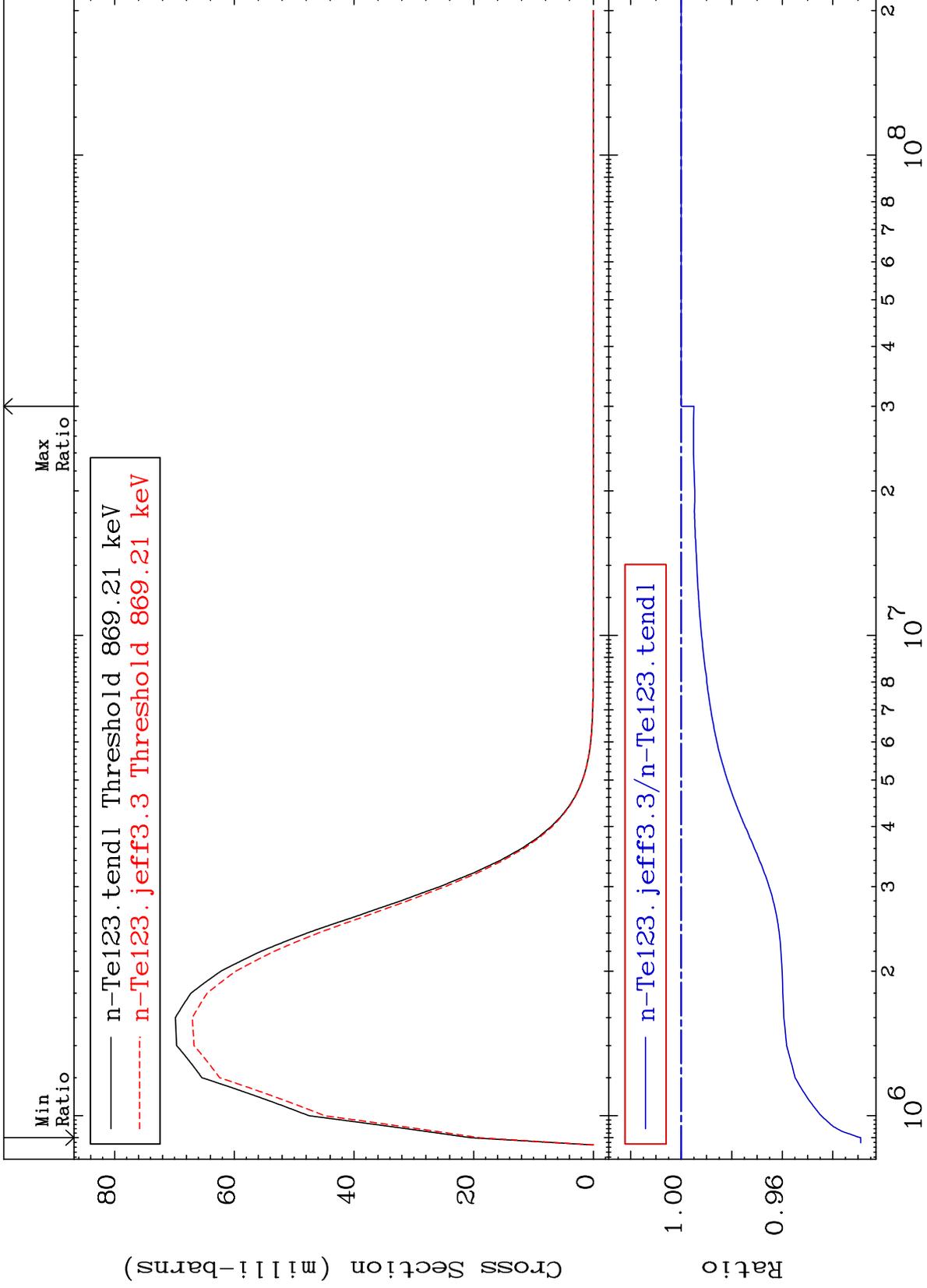
Incident Energy (eV)

52-Te-123

MAT 5234

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

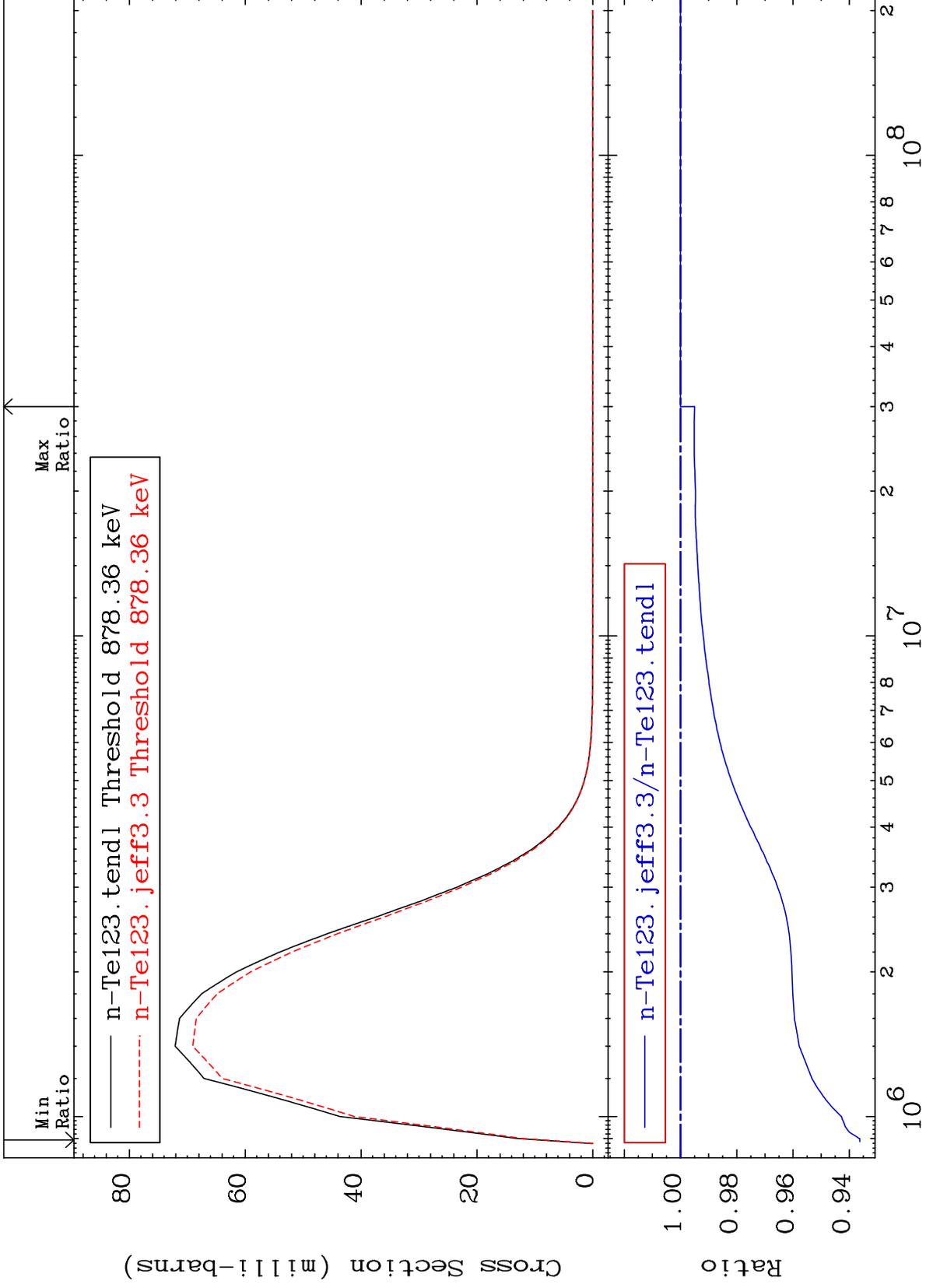
52-Te-123  
-7.105 To 0.000 %



MAT 5234

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

52-Te-123  
-6.373 To 0.000 %



33

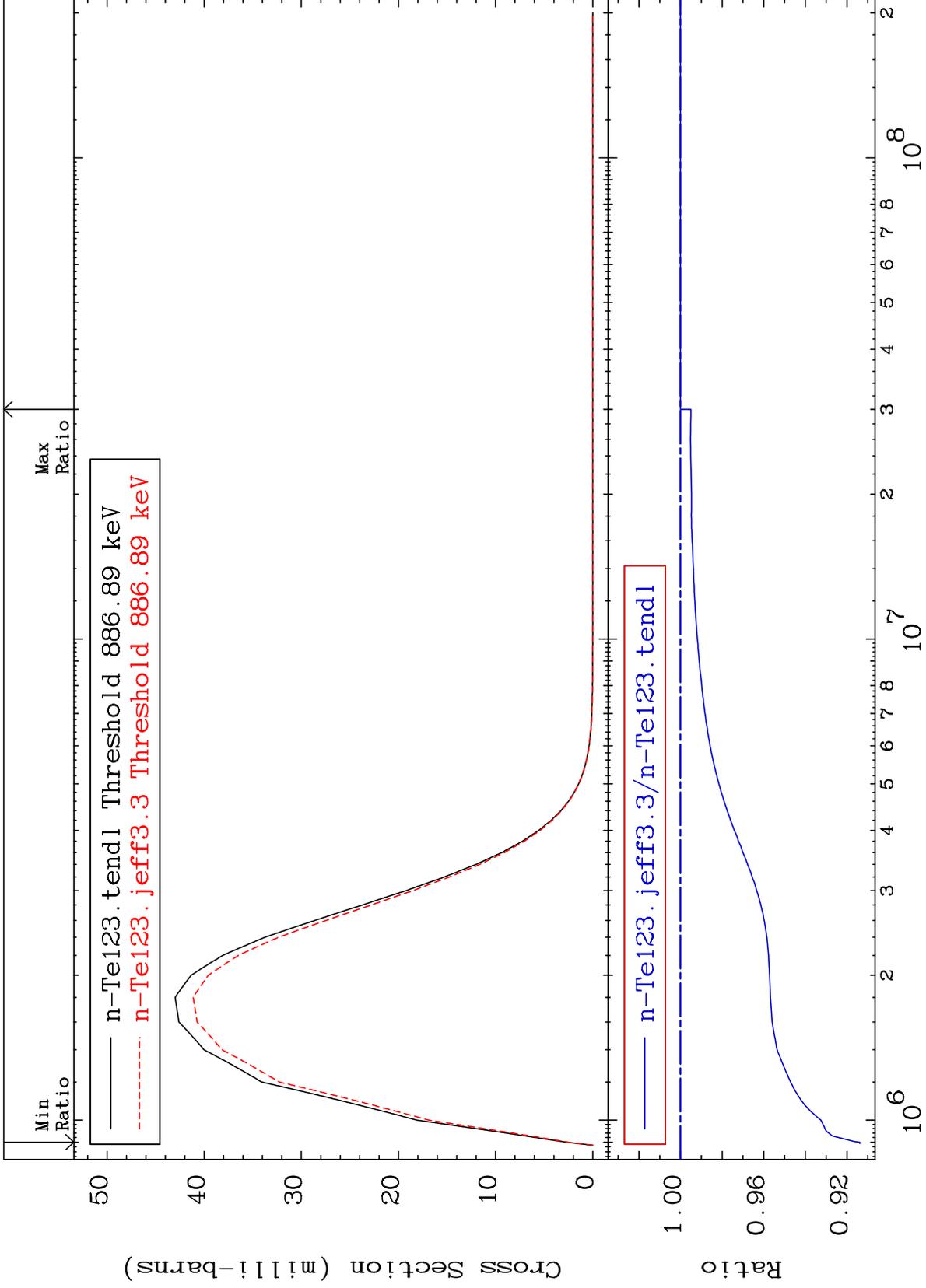
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-8.615 To 0.000 %



34

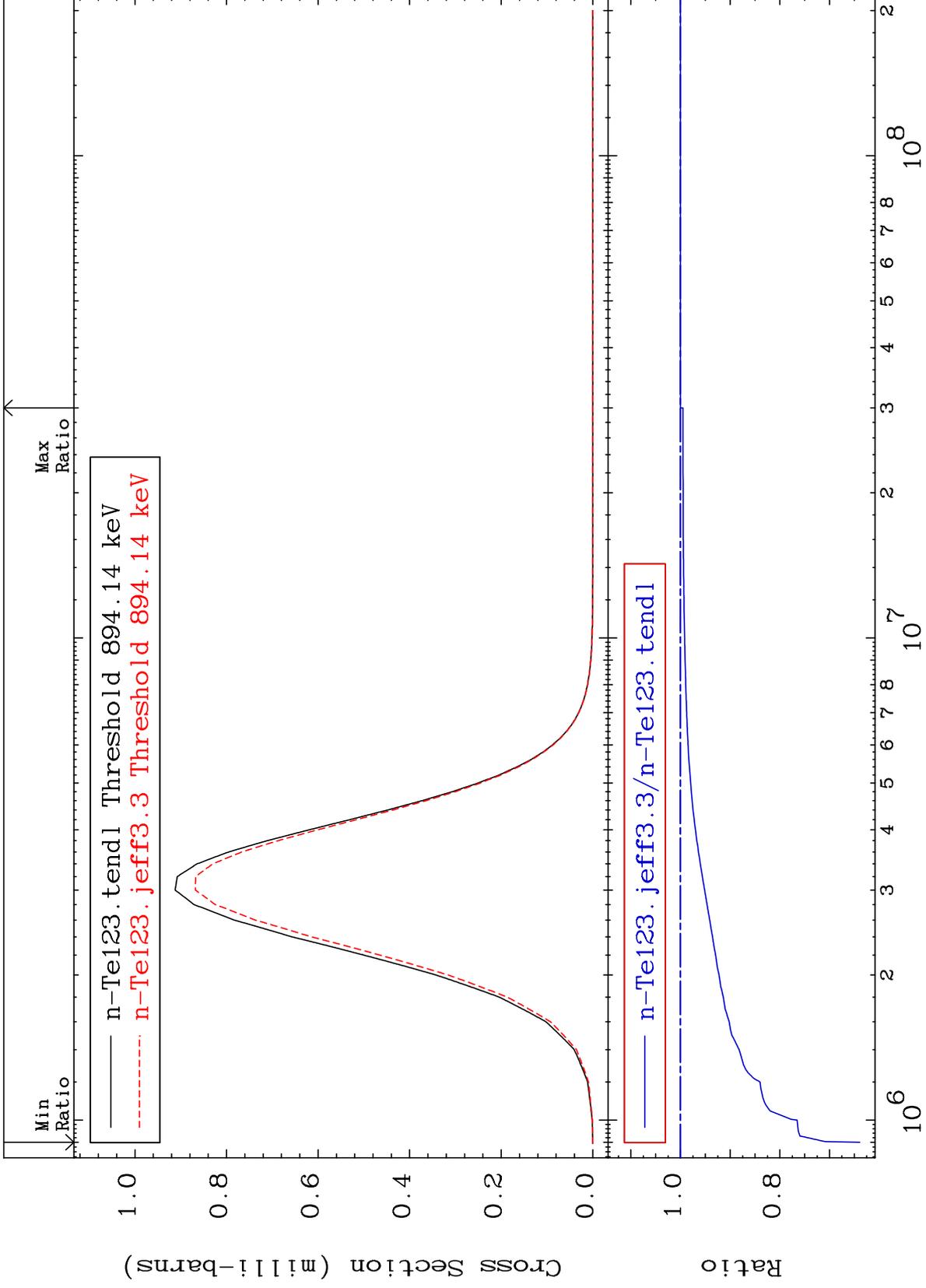
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-36.10 To 0.000 %



35

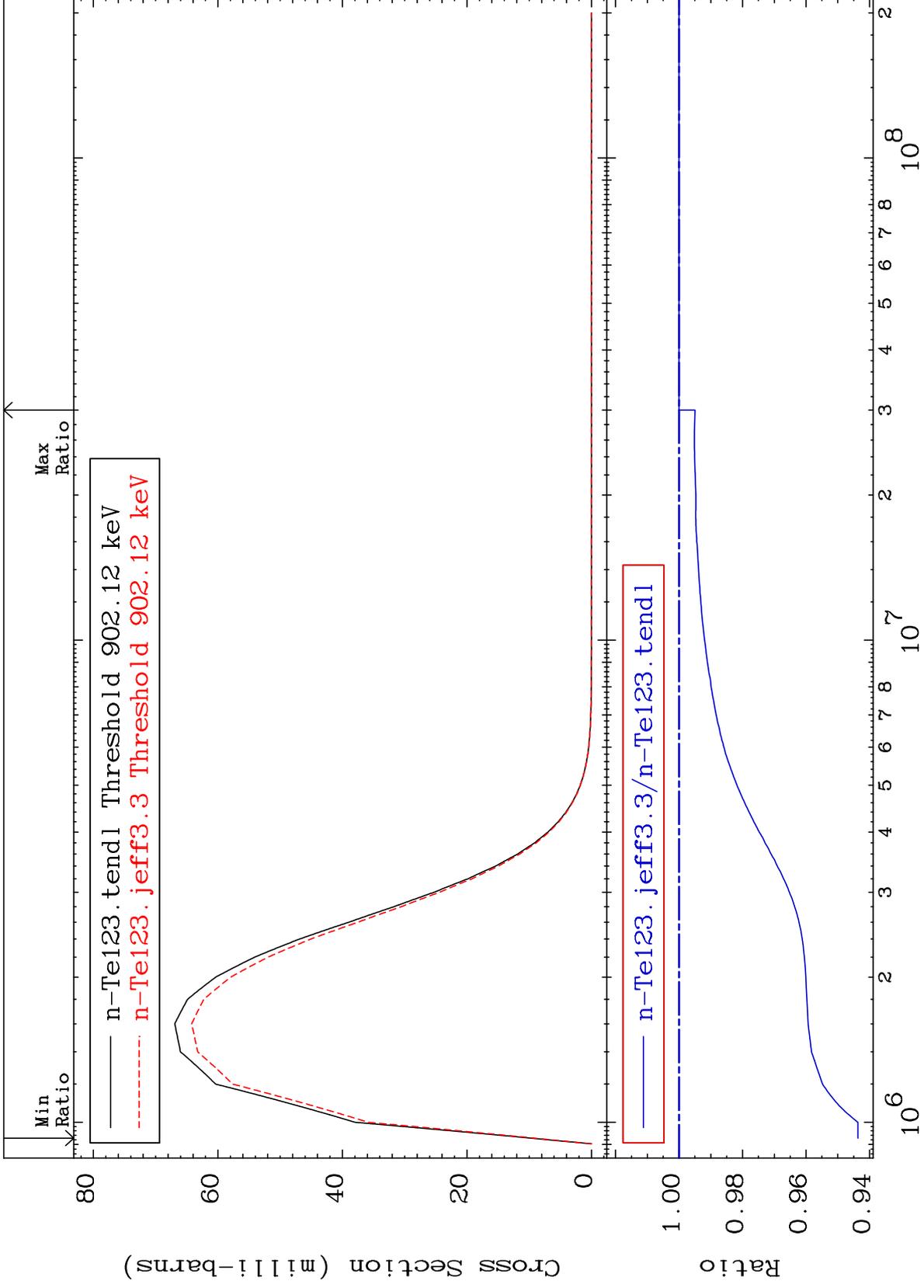
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-5.633 To 0.000 %



36

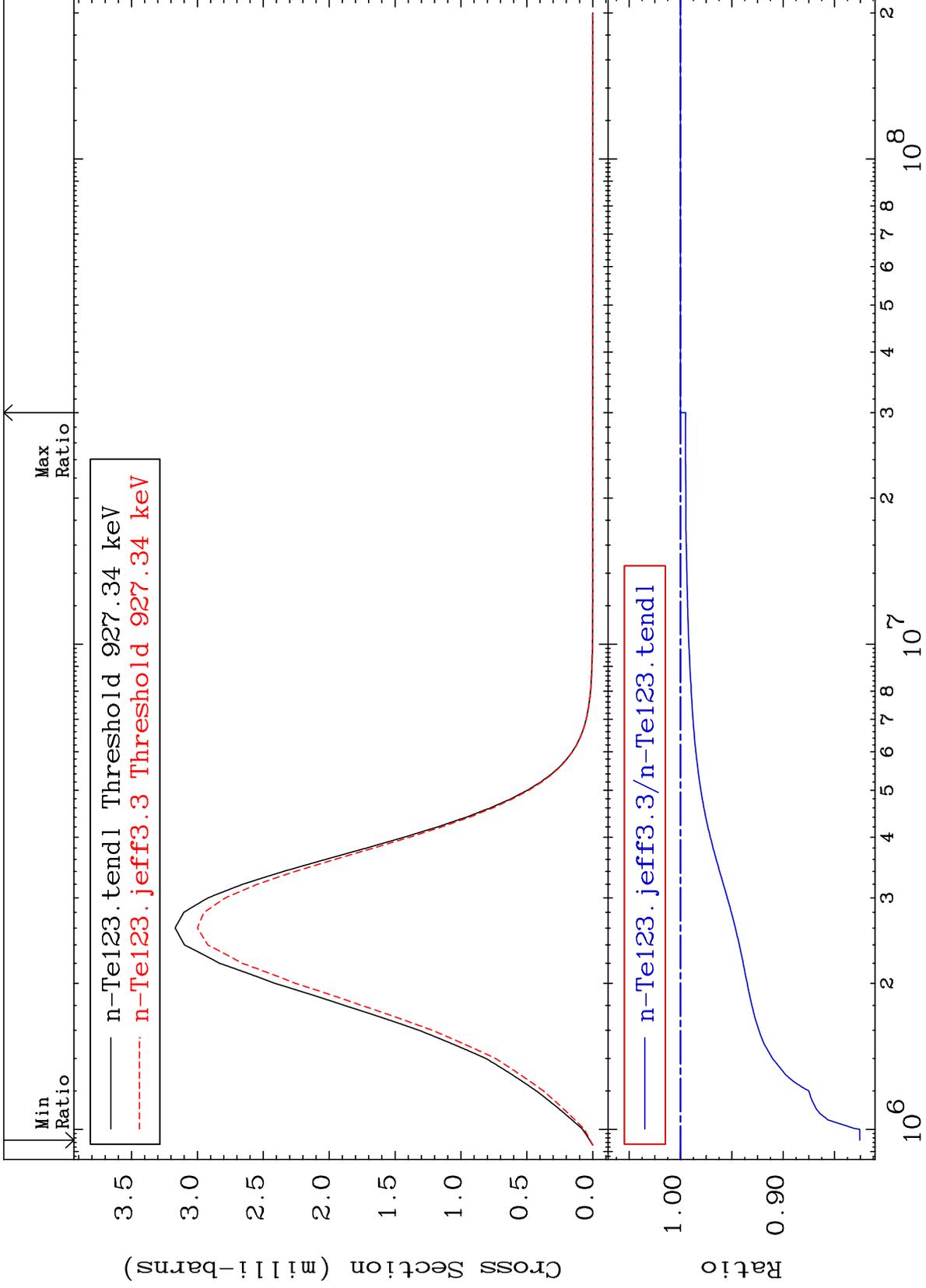
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-17.45 To 0.000 %



37

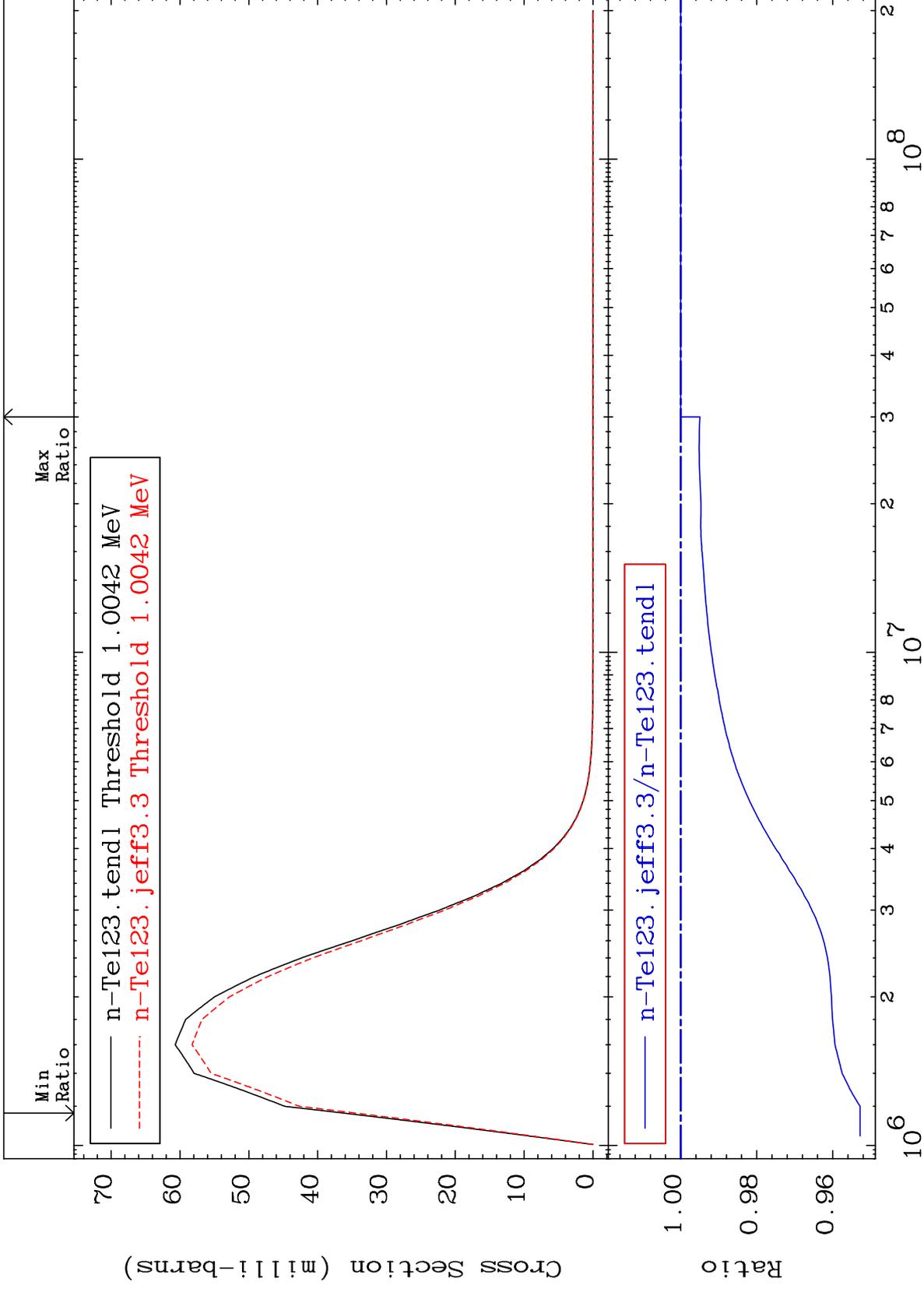
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-4.718 To 0.000 %



38

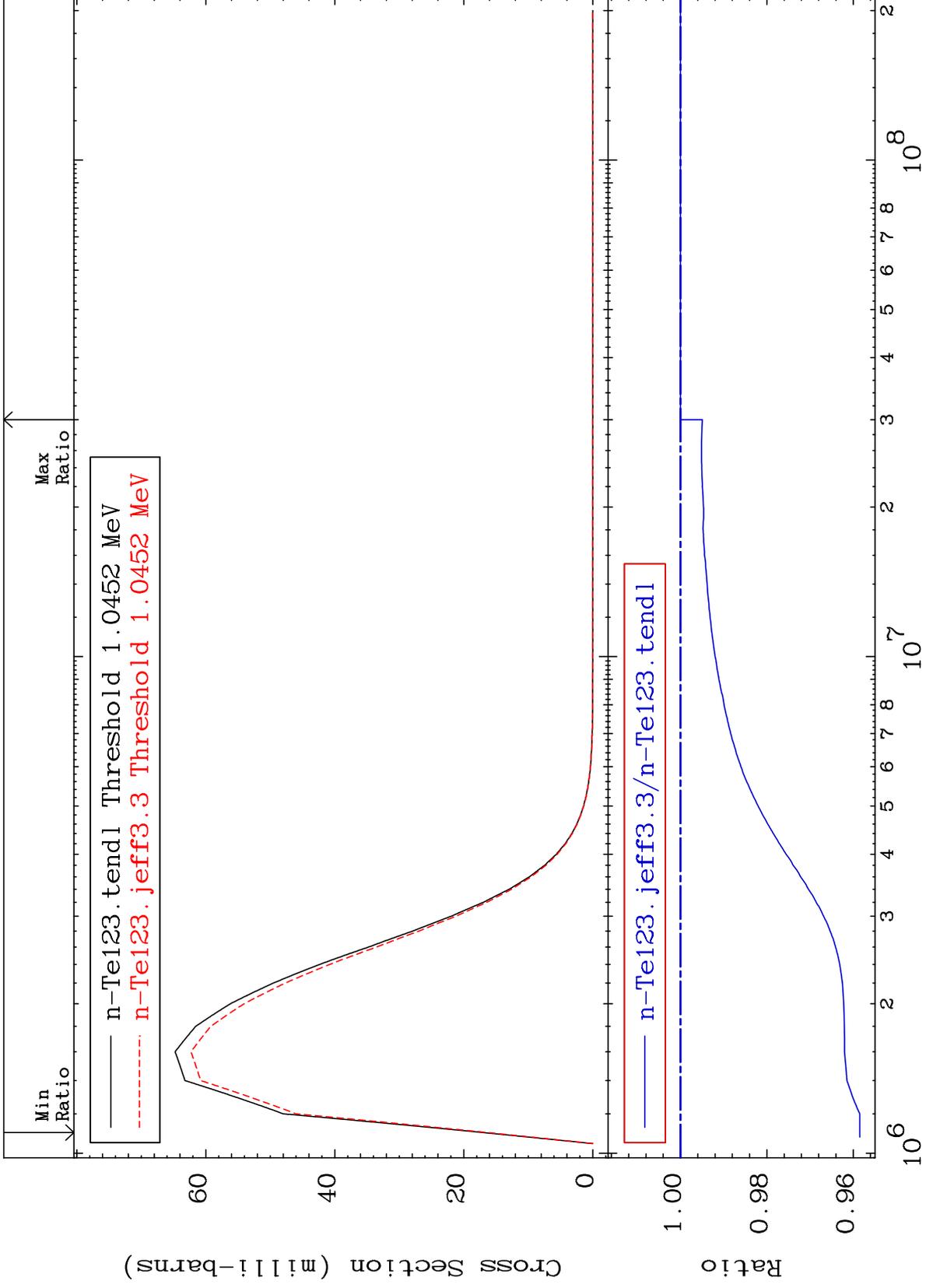
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-4.152 To 0.000 %



39

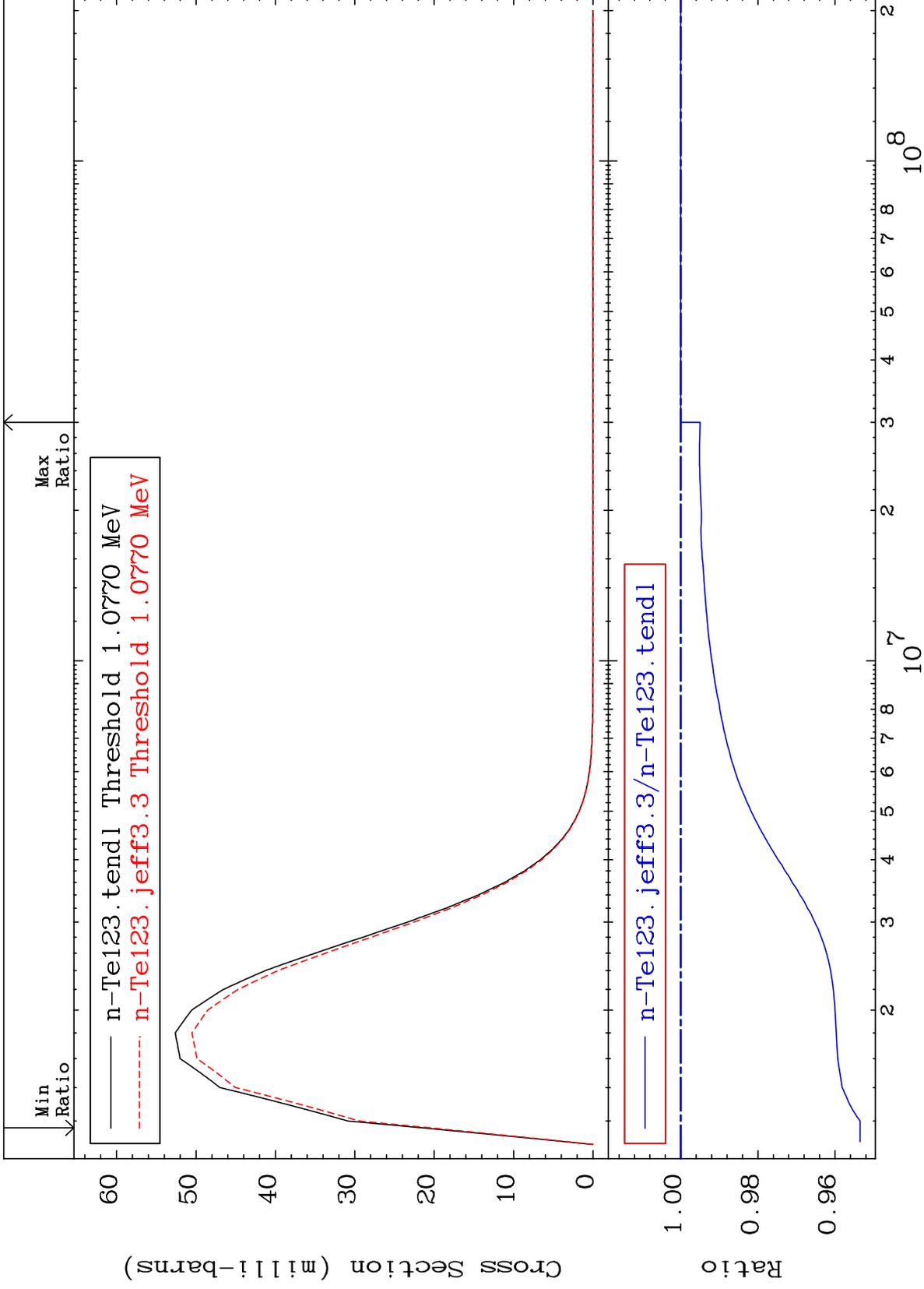
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123  
-4.649 To 0.000 %



40

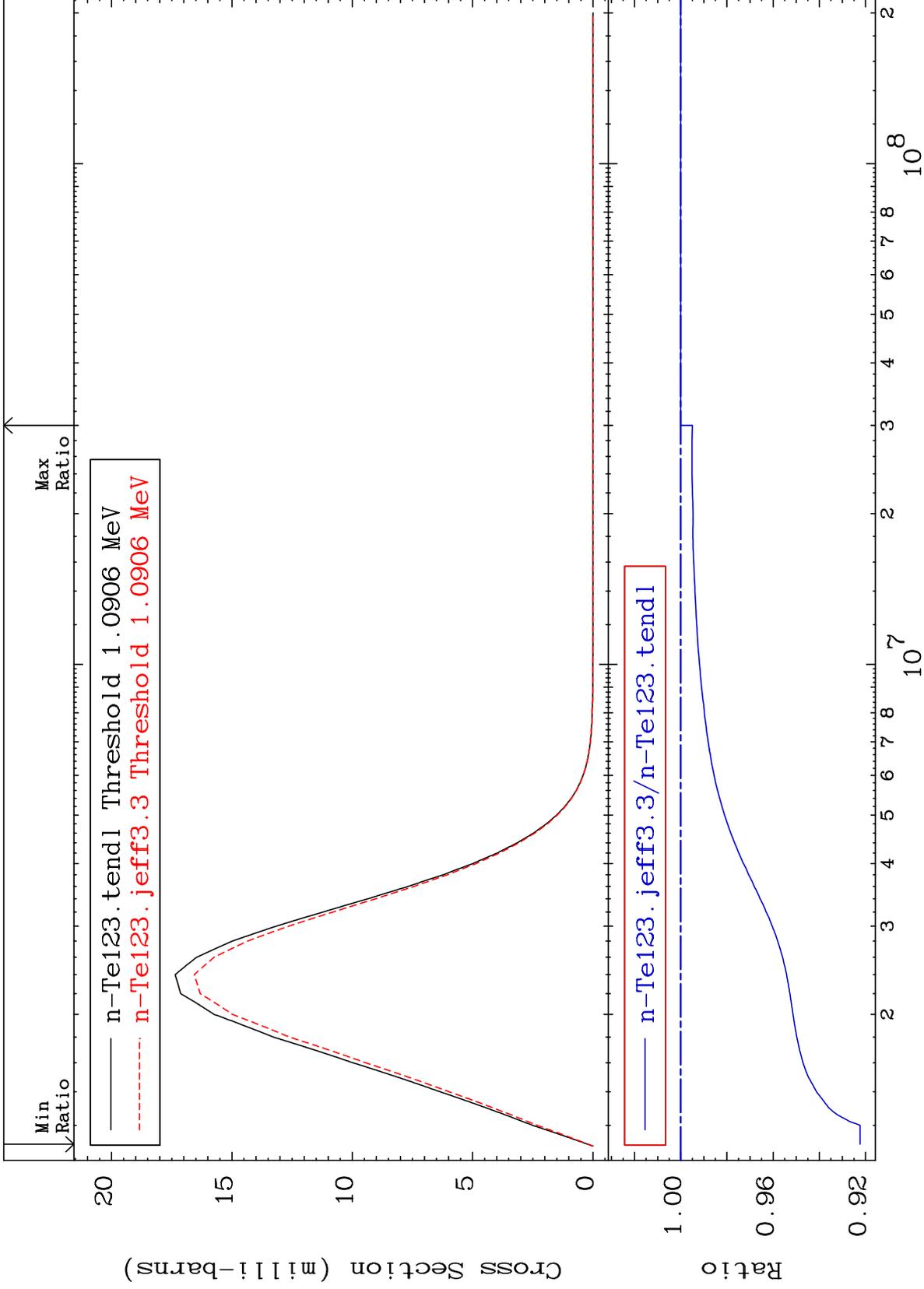
Incident Energy (eV)

52-Te-123

MAT 5234

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

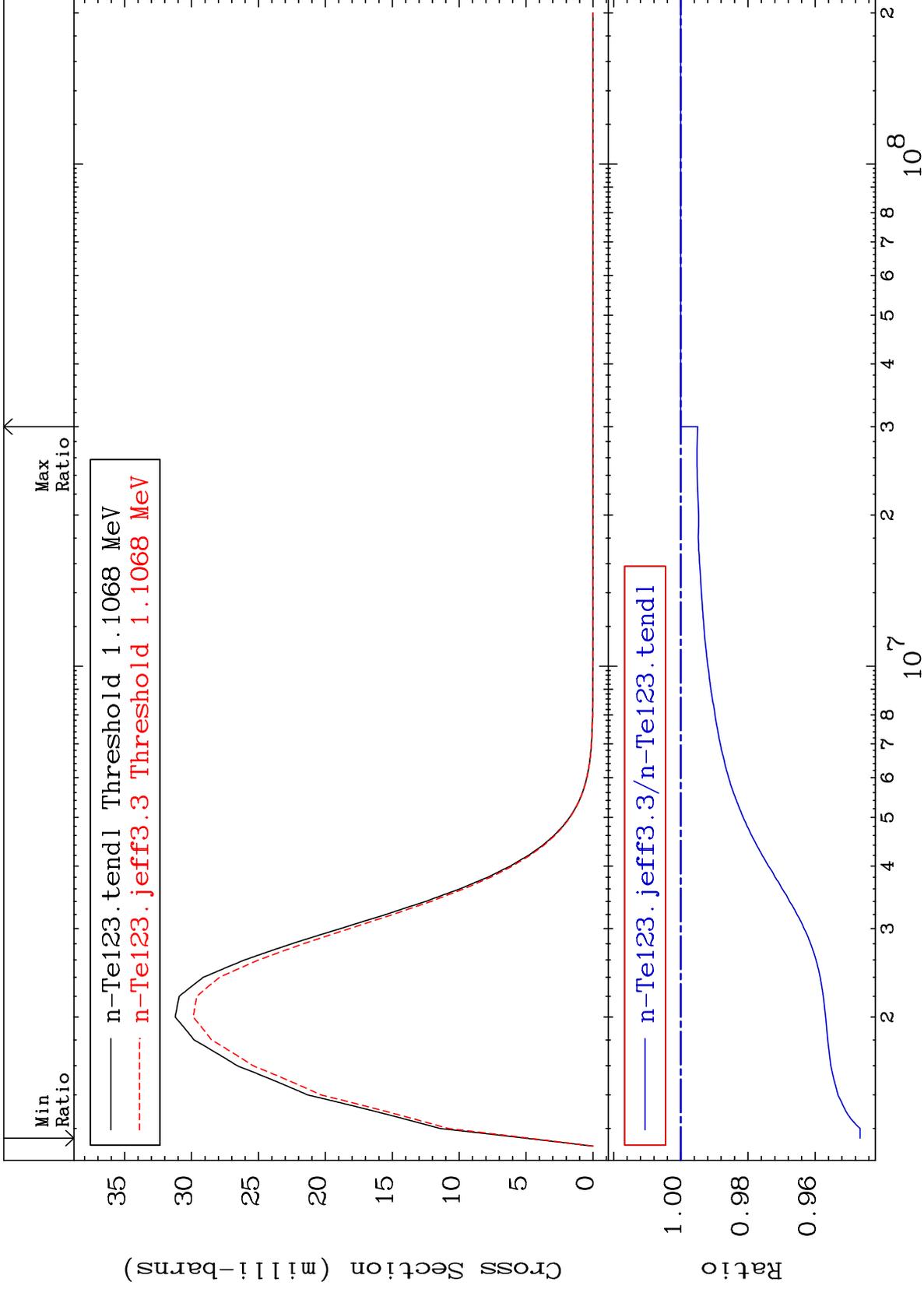
52-Te-123  
-7.765 To 0.000 %



MAT 5234

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

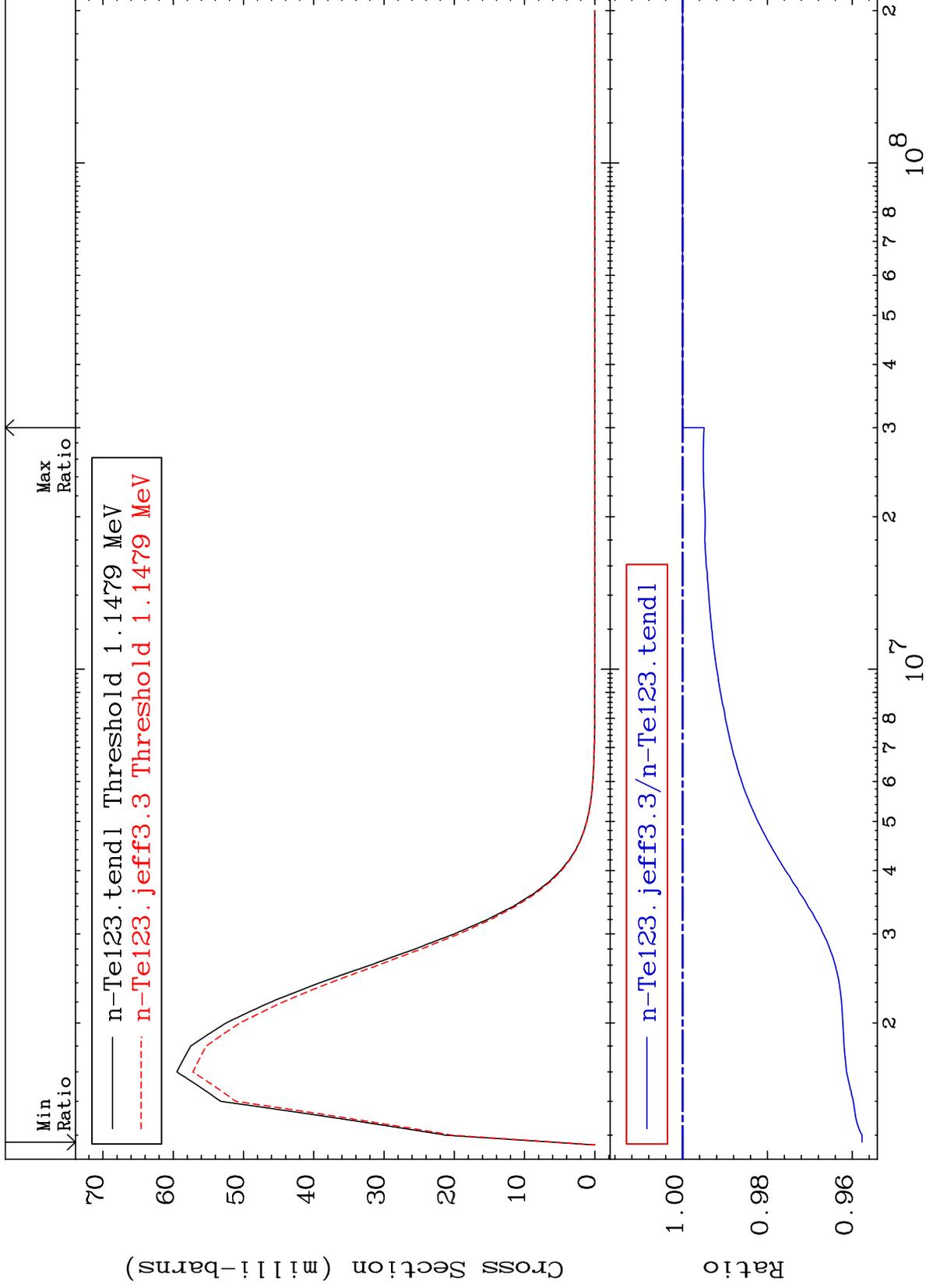
52-Te-123  
-5.339 To 0.000 %



MAT 5234

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

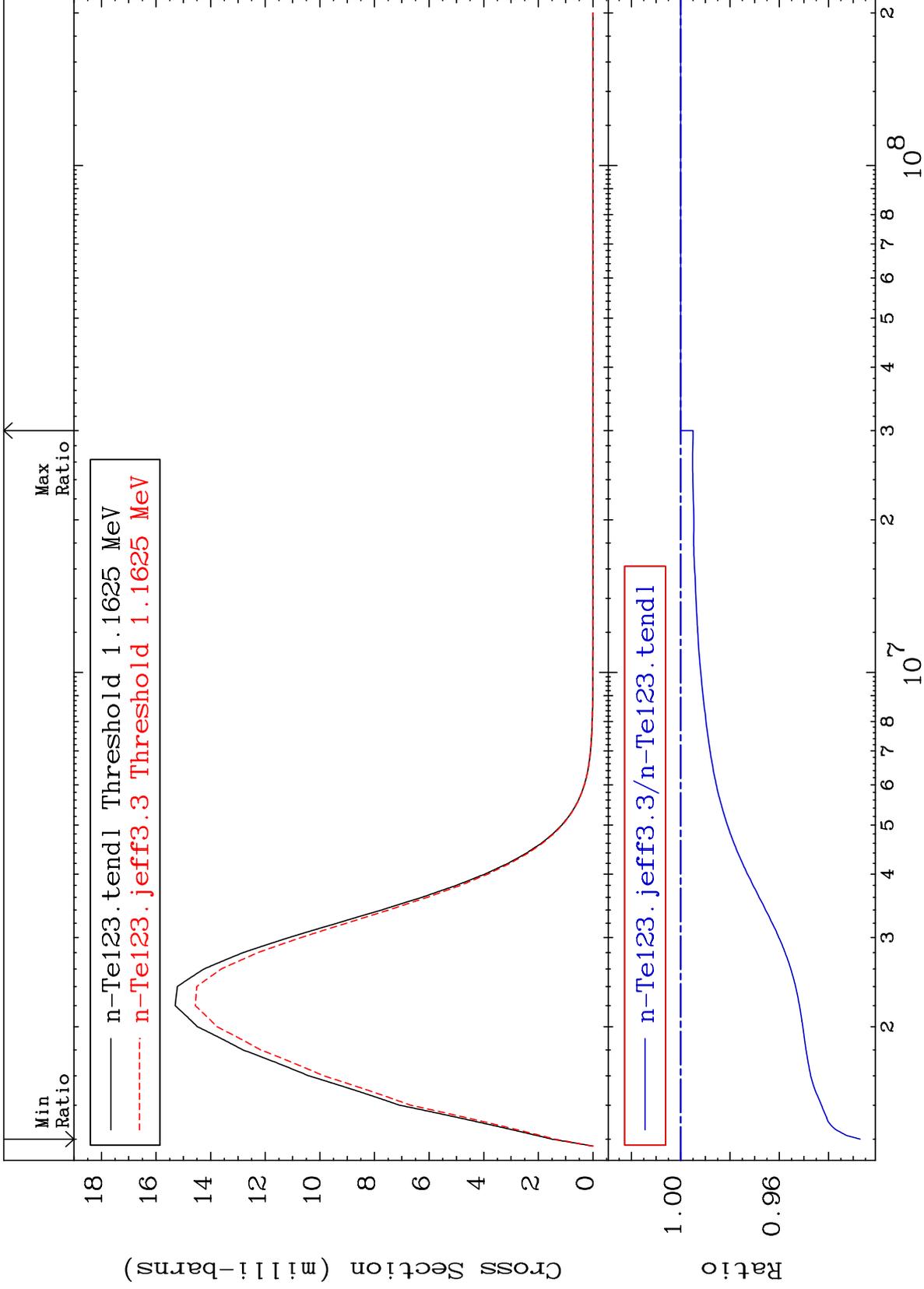
52-Te-123  
-4.232 To 0.000 %



MAT 5234

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

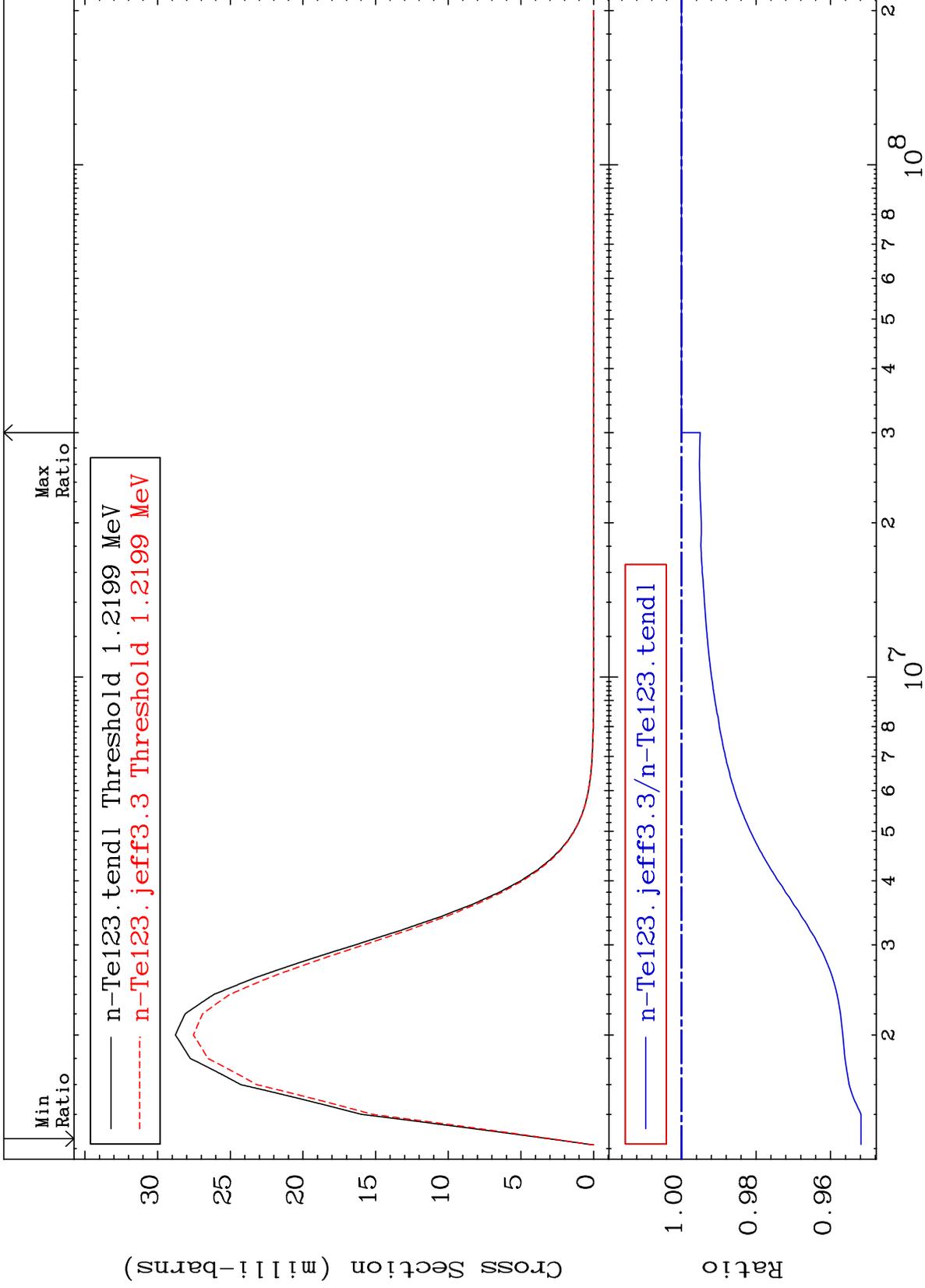
52-Te-123  
-7.279 To 0.000 %



MAT 5234

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

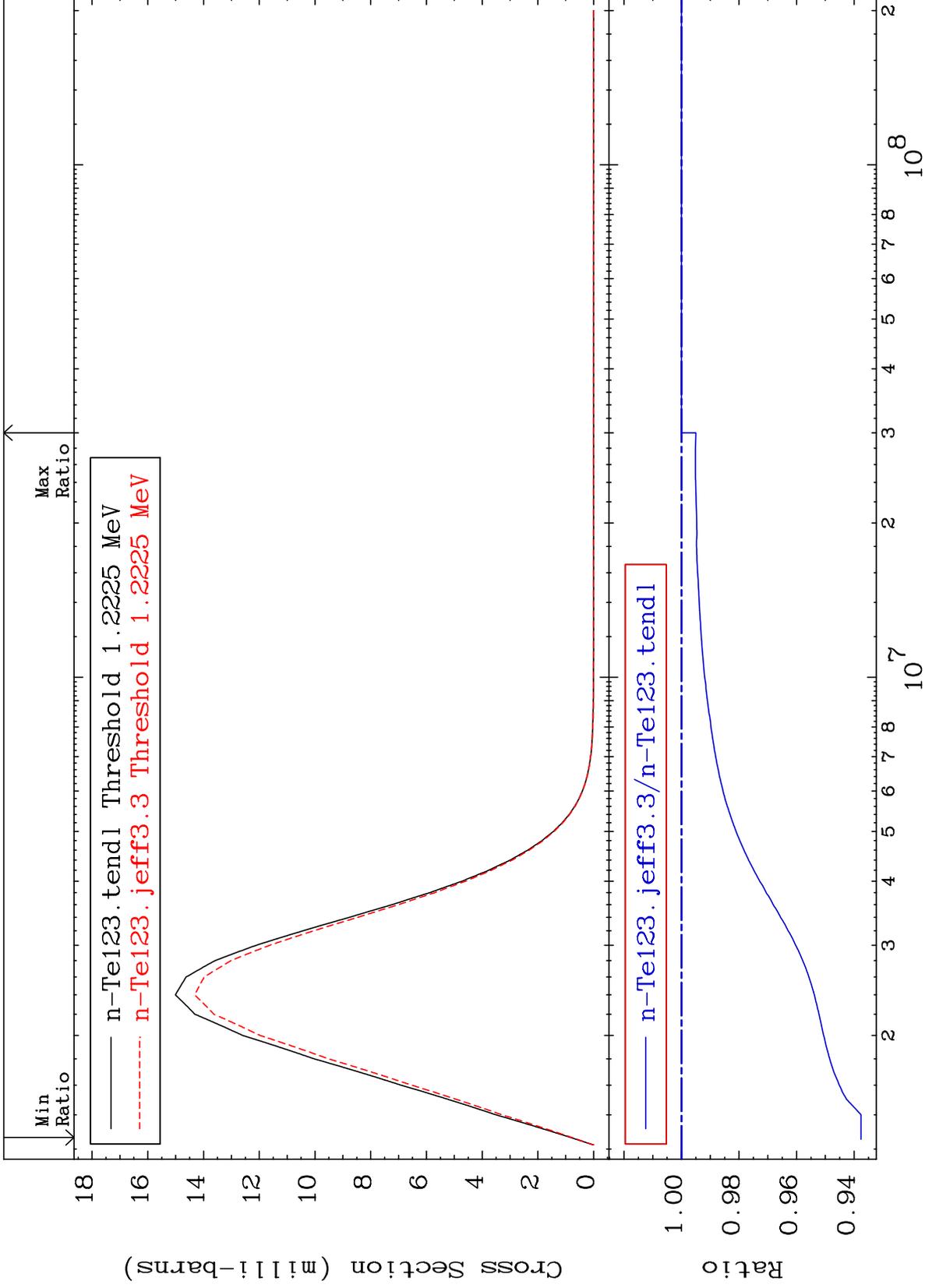
52-Te-123  
-4.818 To 0.000 %



MAT 5234

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

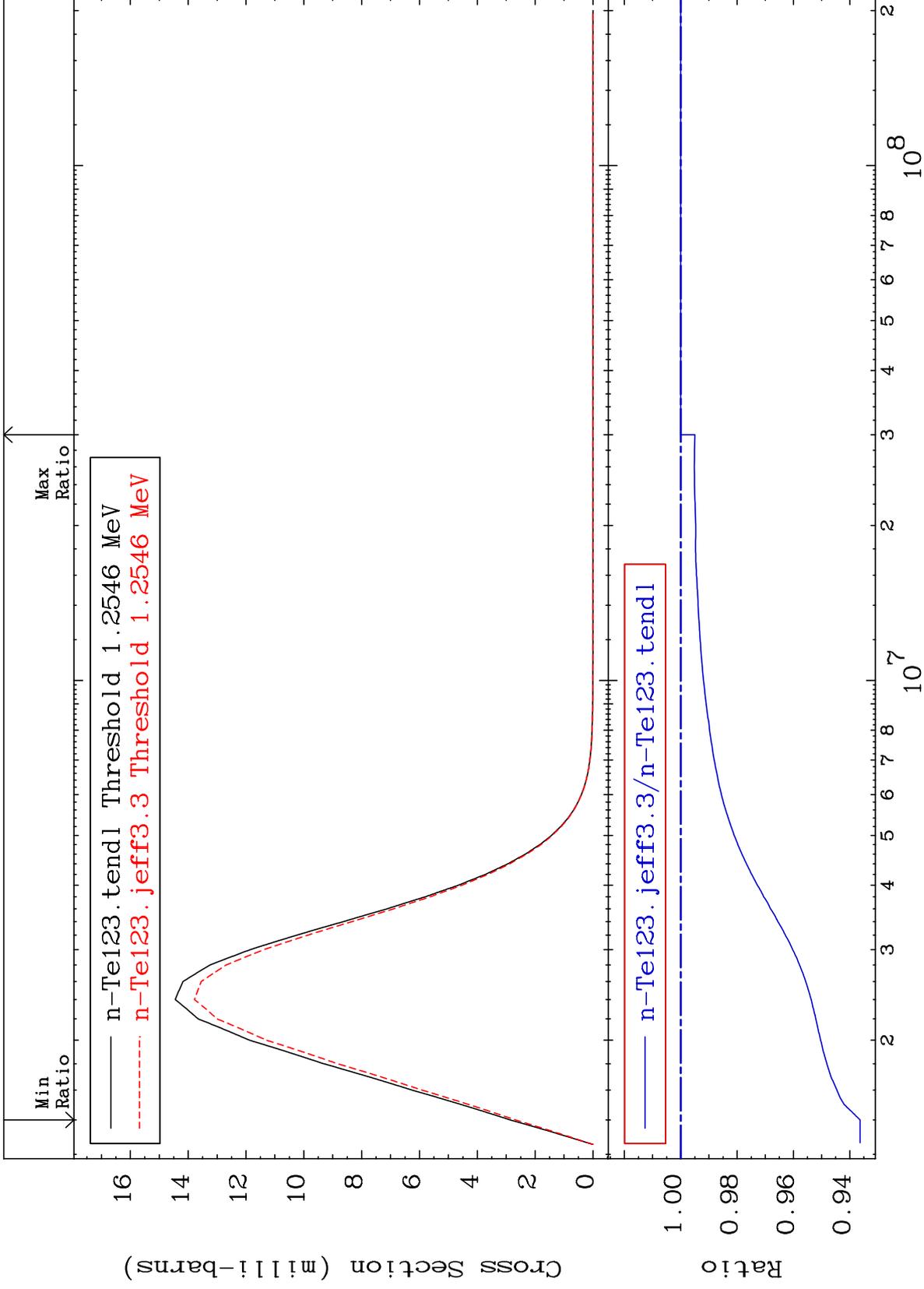
52-Te-123  
-6.240 To 0.000 %



MAT 5234

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

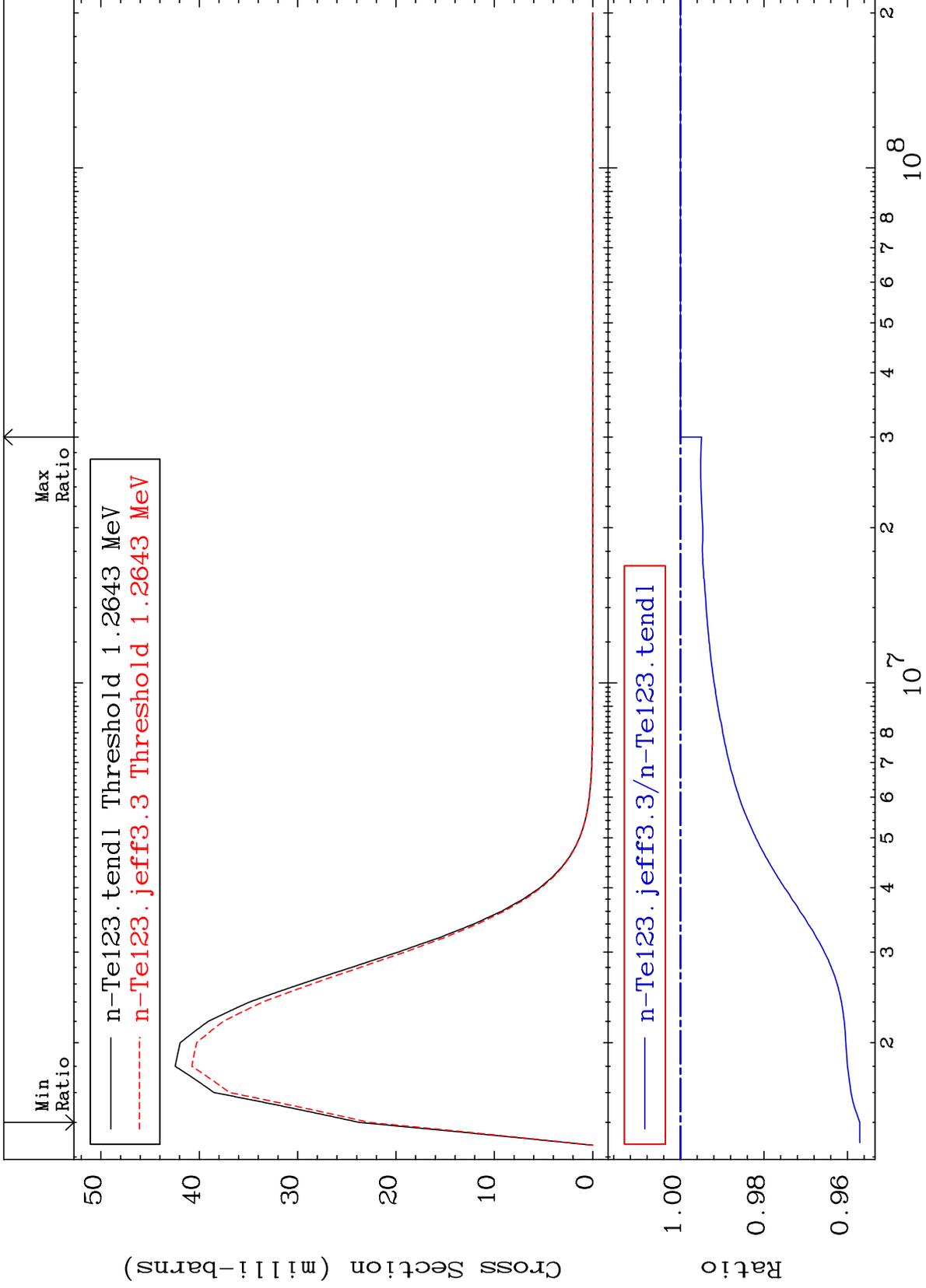
52-Te-123  
-6.365 To 0.000 %

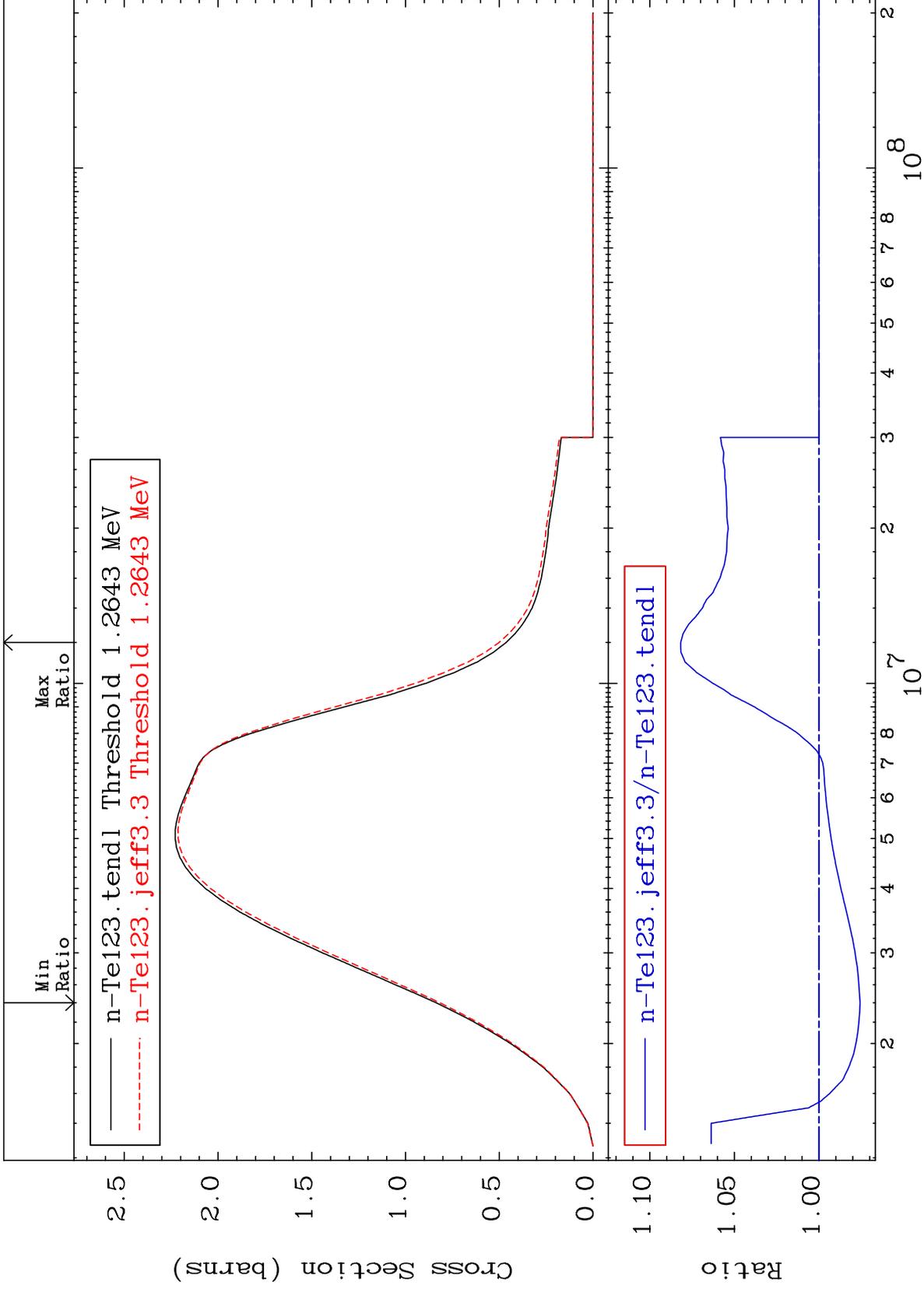


MAT 5234

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

52-Te-123  
-4.296 To 0.000 %

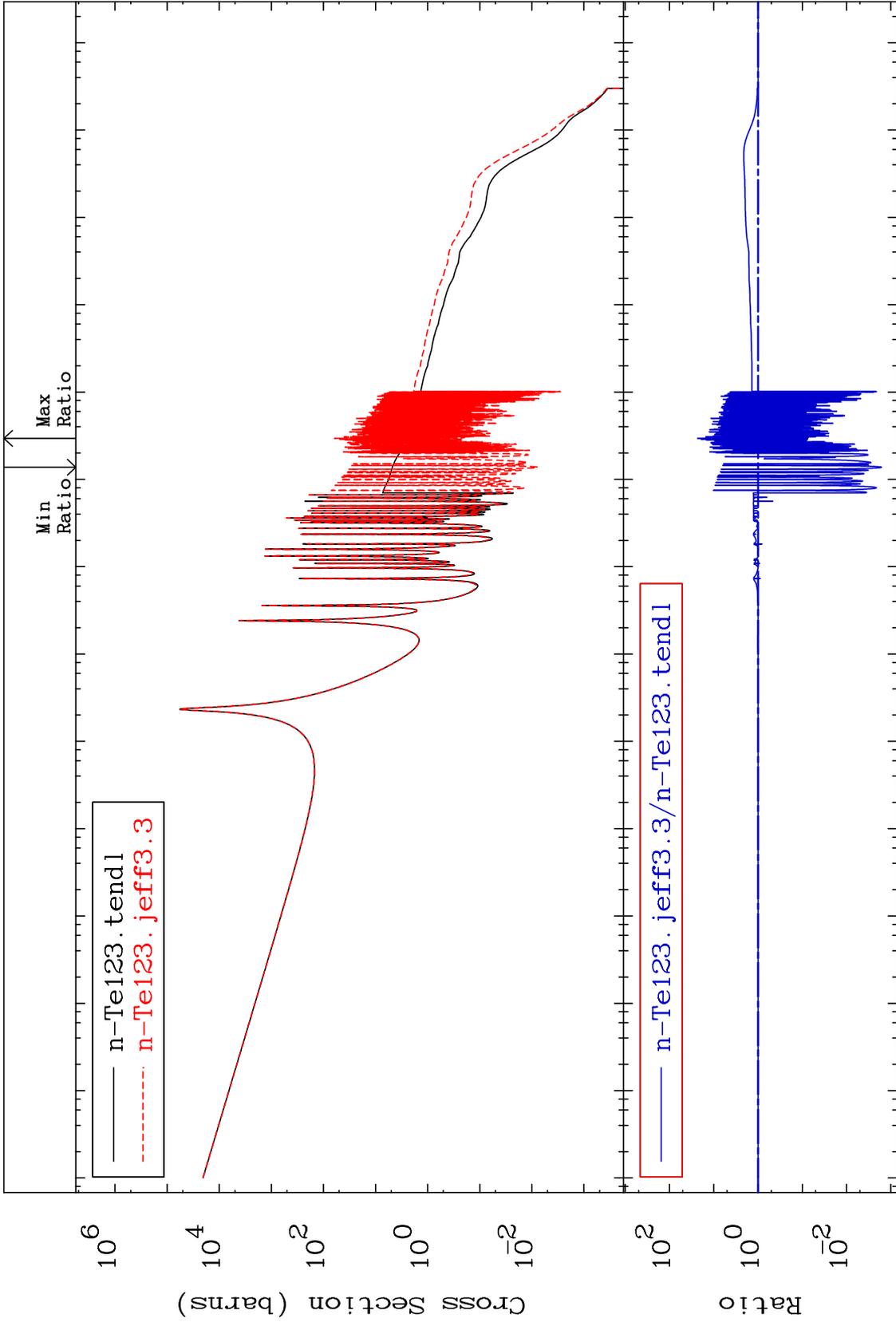




MAT 5234

(n,  $\gamma$ )  
Cross Section

52-Te-123  
-99.84 To 2198. %



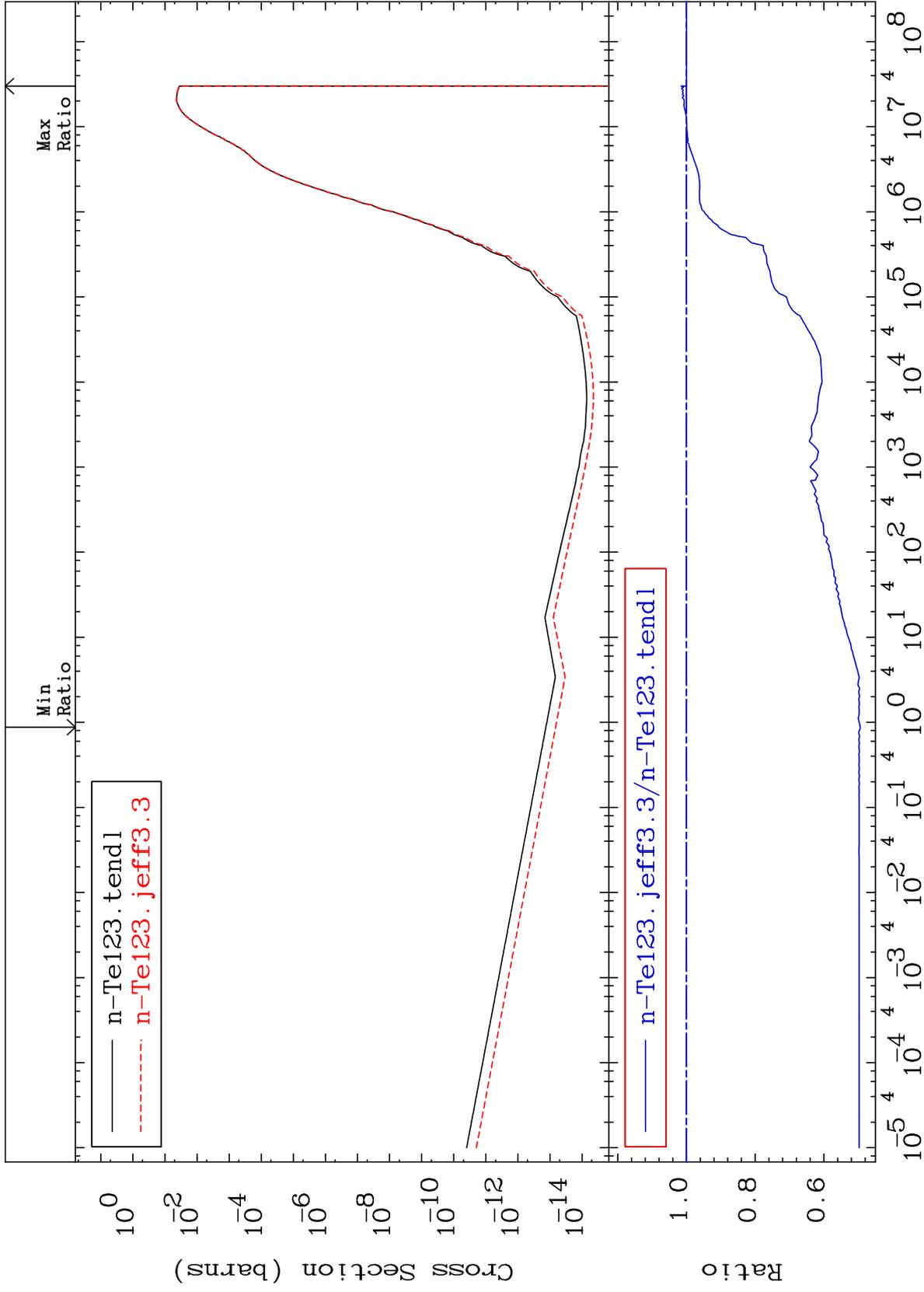
MAT 5234

(n, p)

52-Te-123

Cross Section

-50.55 To 1.541 %



— n-Te123.tendl  
- - - n-Te123.jeff3.3

— n-Te123.jeff3.3/n-Te123.tendl

51

Incident Energy (eV)

52-Te-123

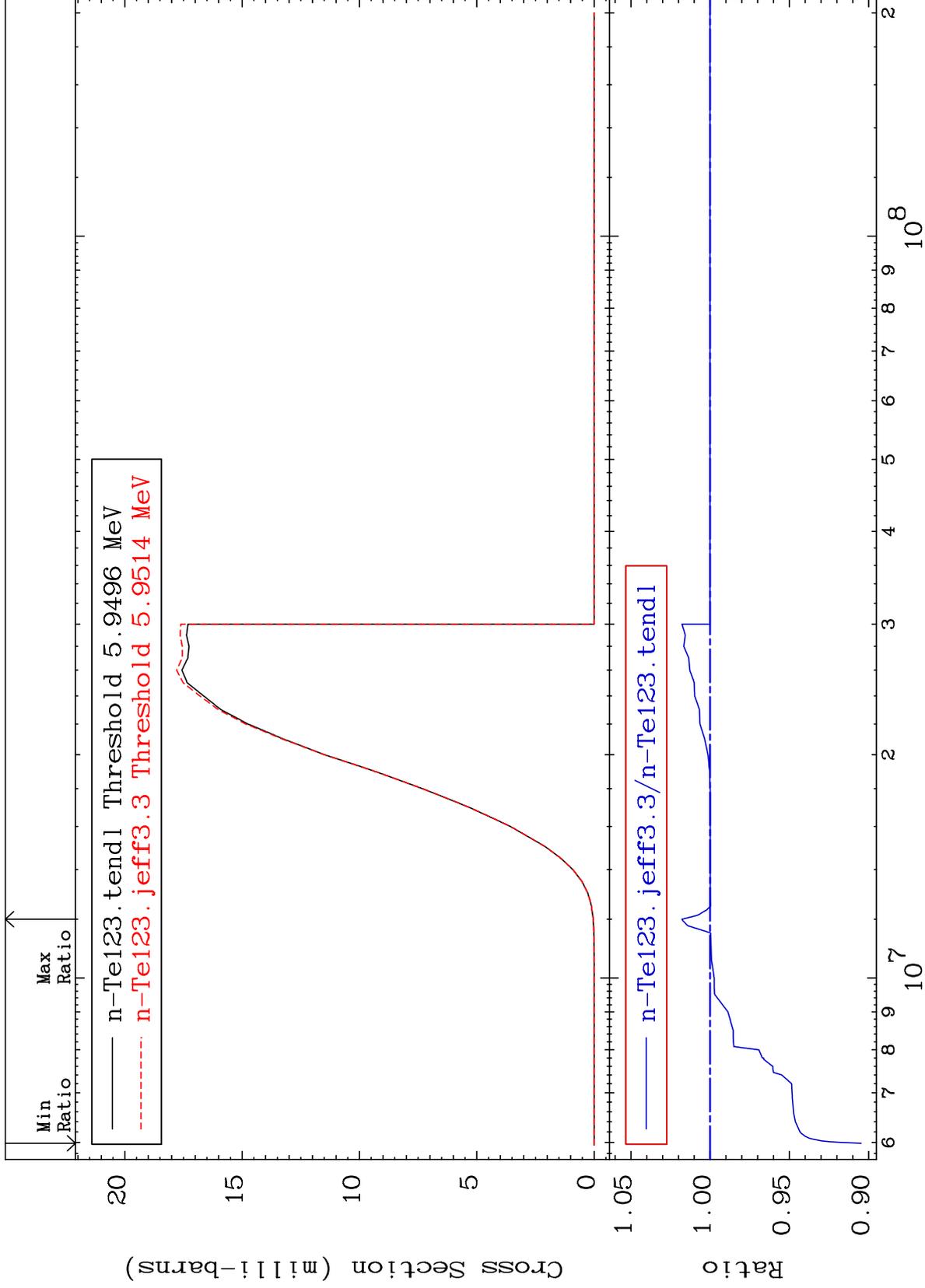
MAT 5234

(n, d)

52-Te-123

Cross Section

-9.531 To 1.780 %



52

Incident Energy (eV)

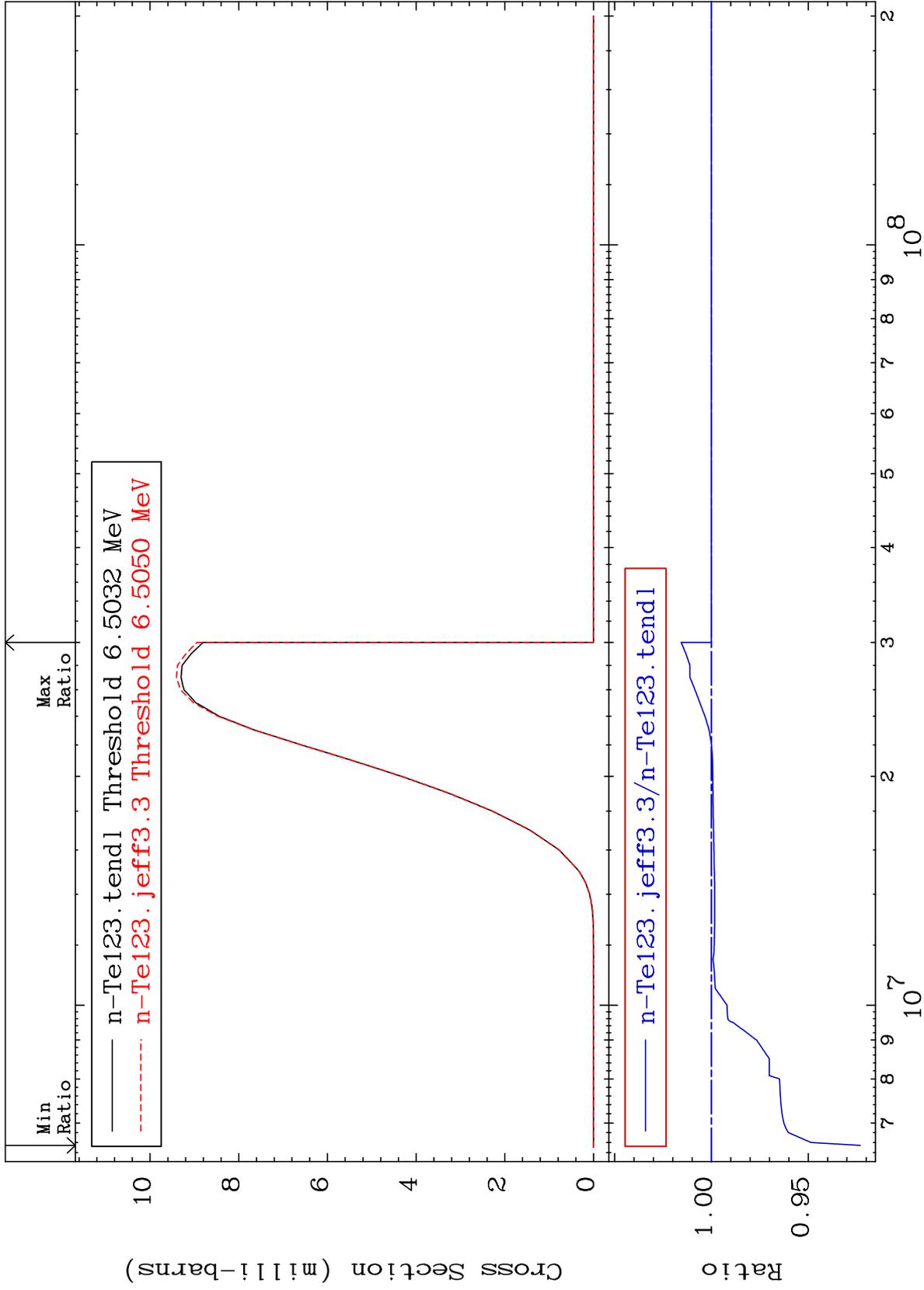
52-Te-123

MAT 5234

52-Te-123

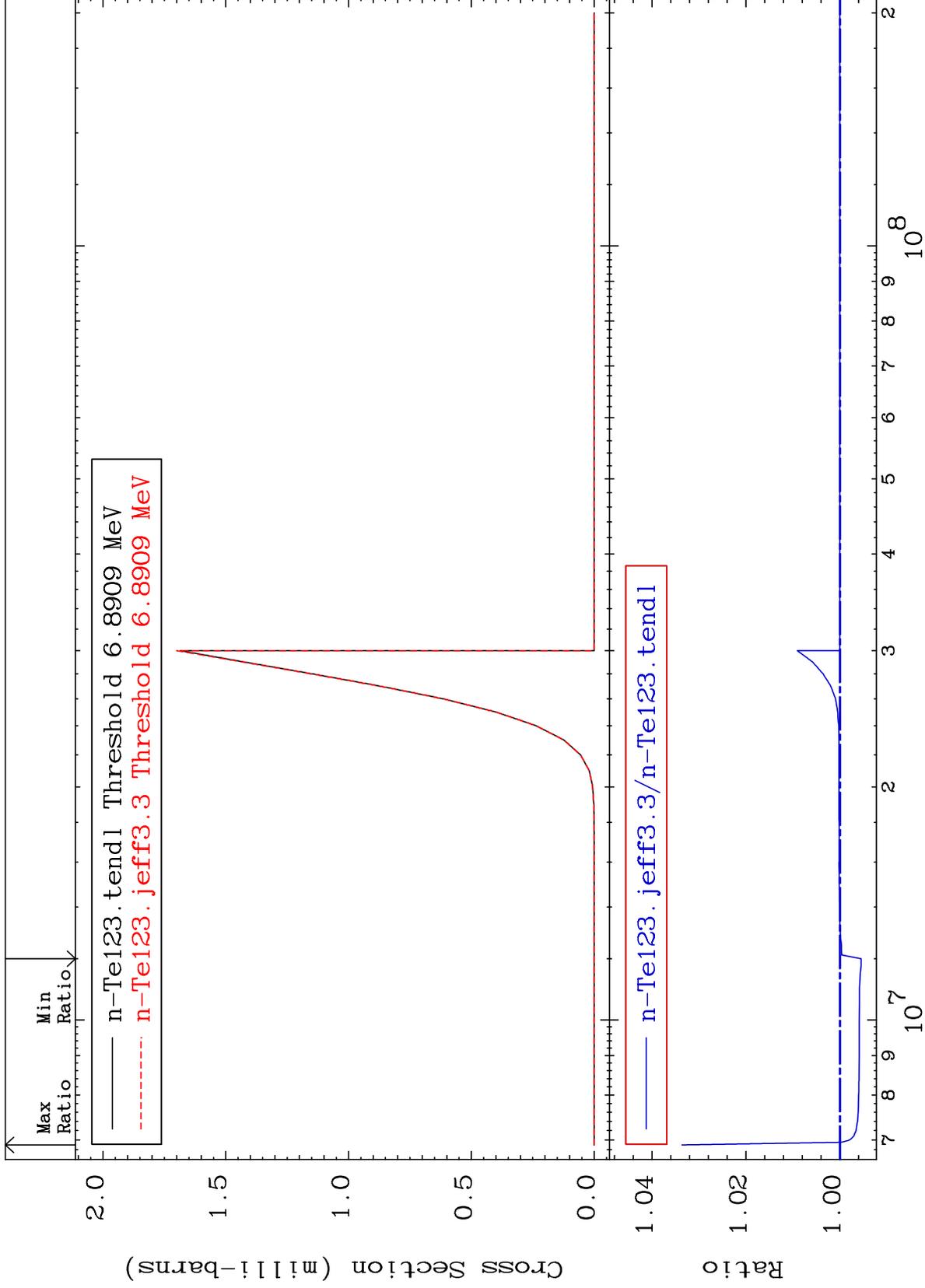
-7.686 To 1.564 %

(n, t)  
Cross Section



Cross Section

-0.452 To 3.364 %



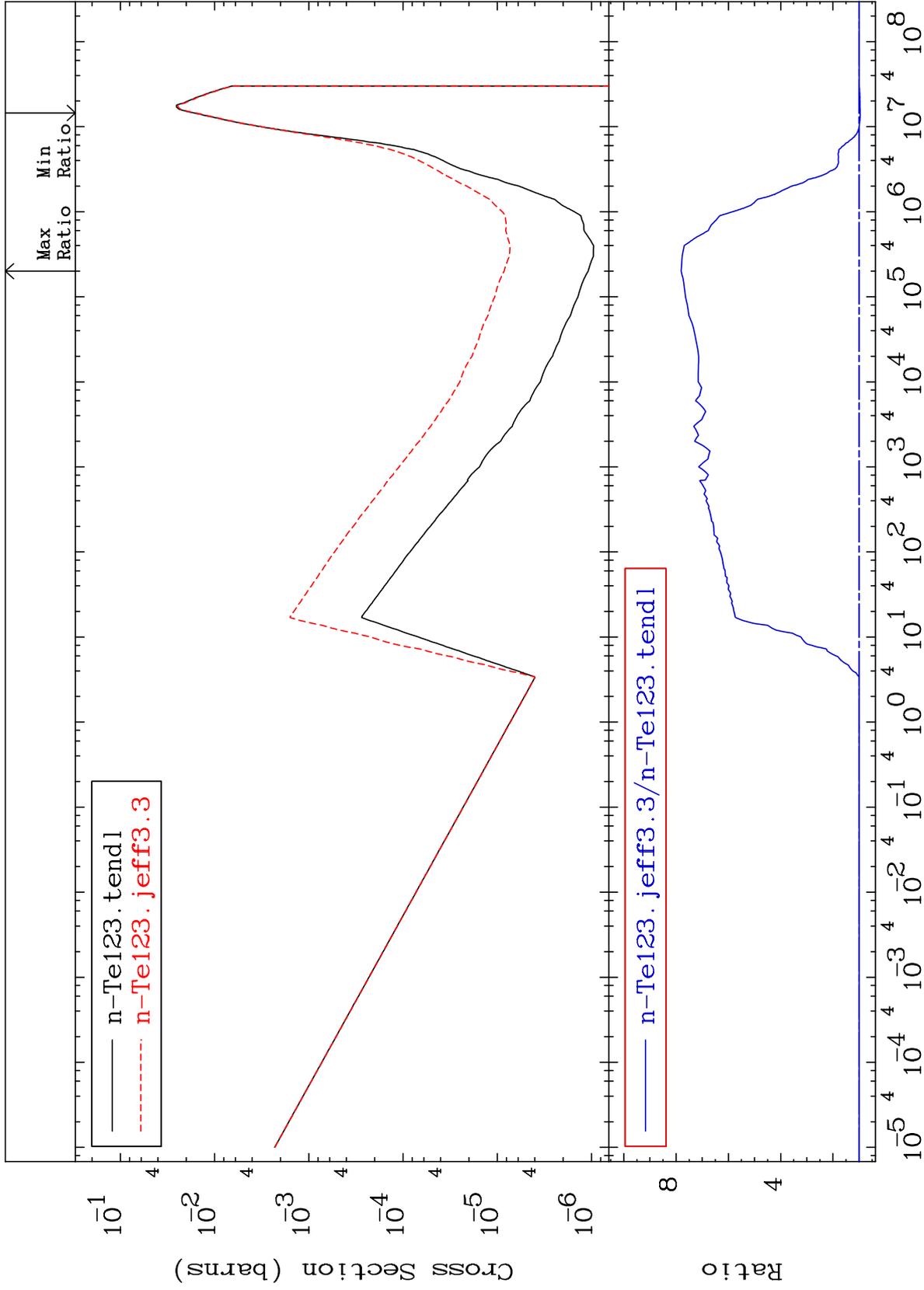
MAT 5234

(n,  $\alpha$ )

52-Te-123

Cross Section

-4.226 To 680.6 %



55

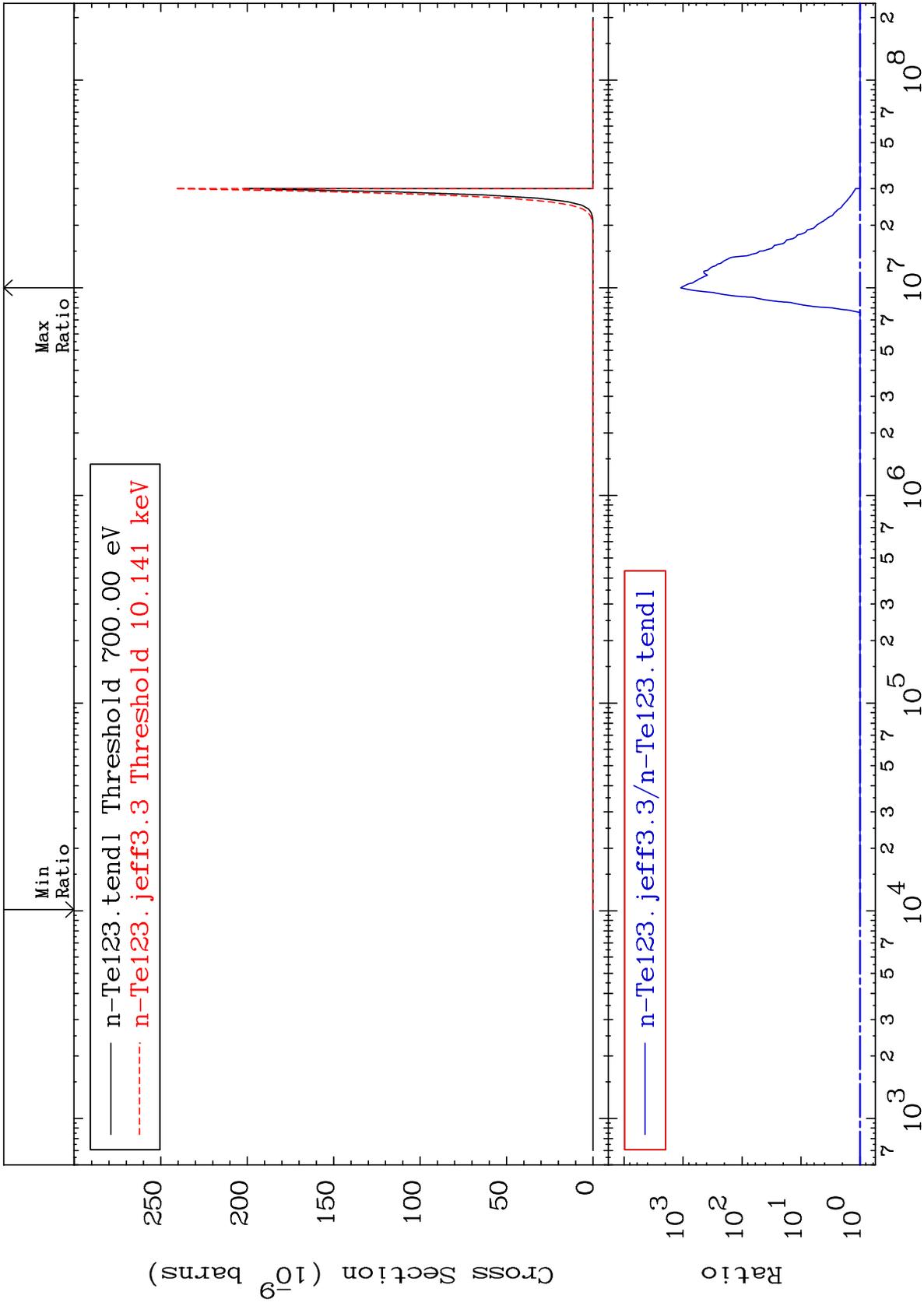
Incident Energy (eV)

52-Te-123

MAT 5234

(n,2α)  
Cross Section

52-Te-123  
To 9999. %



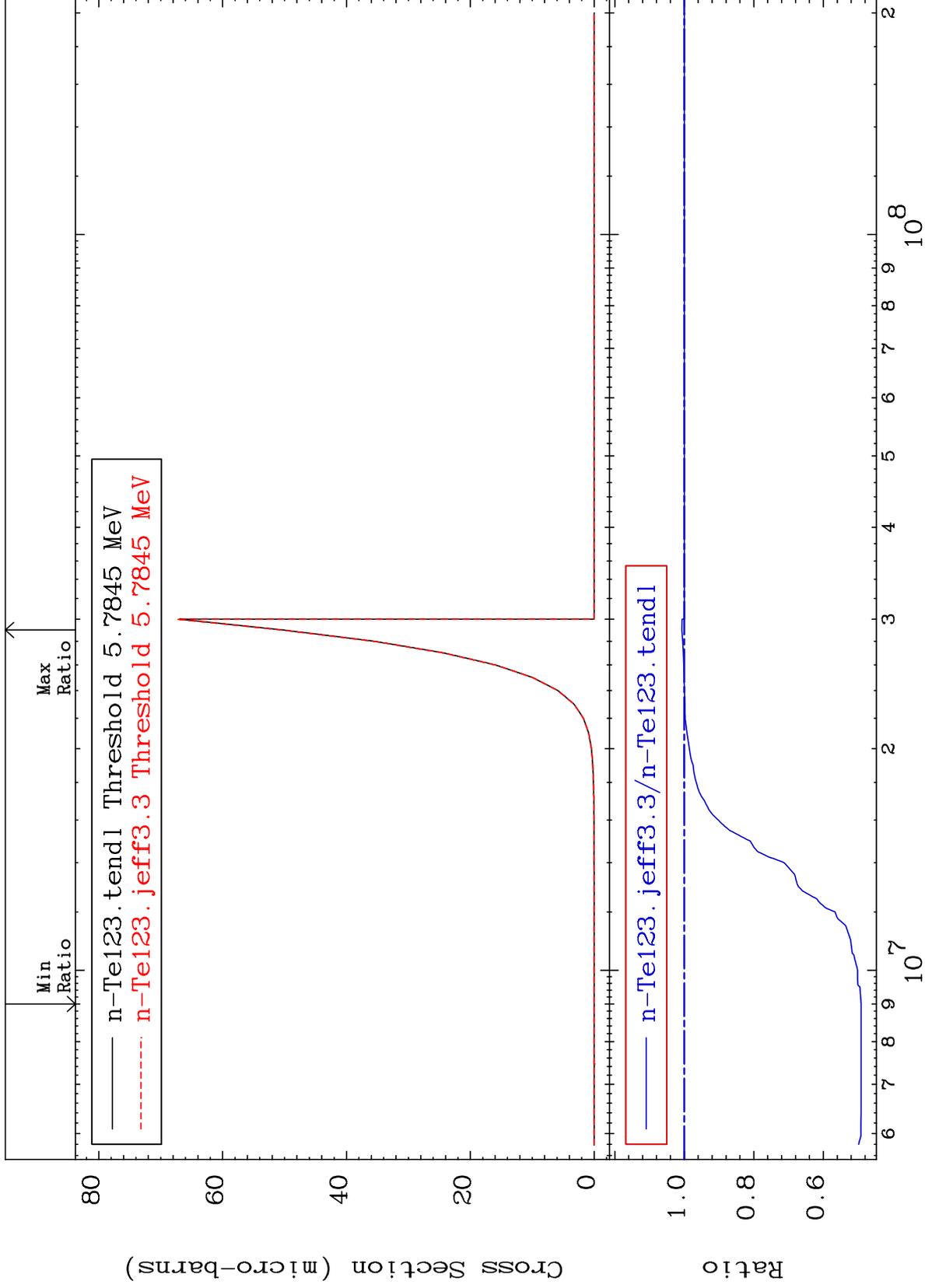
MAT 5234

(n,2p)

52-Te-123

Cross Section

-50.88 To 0.685 %



57

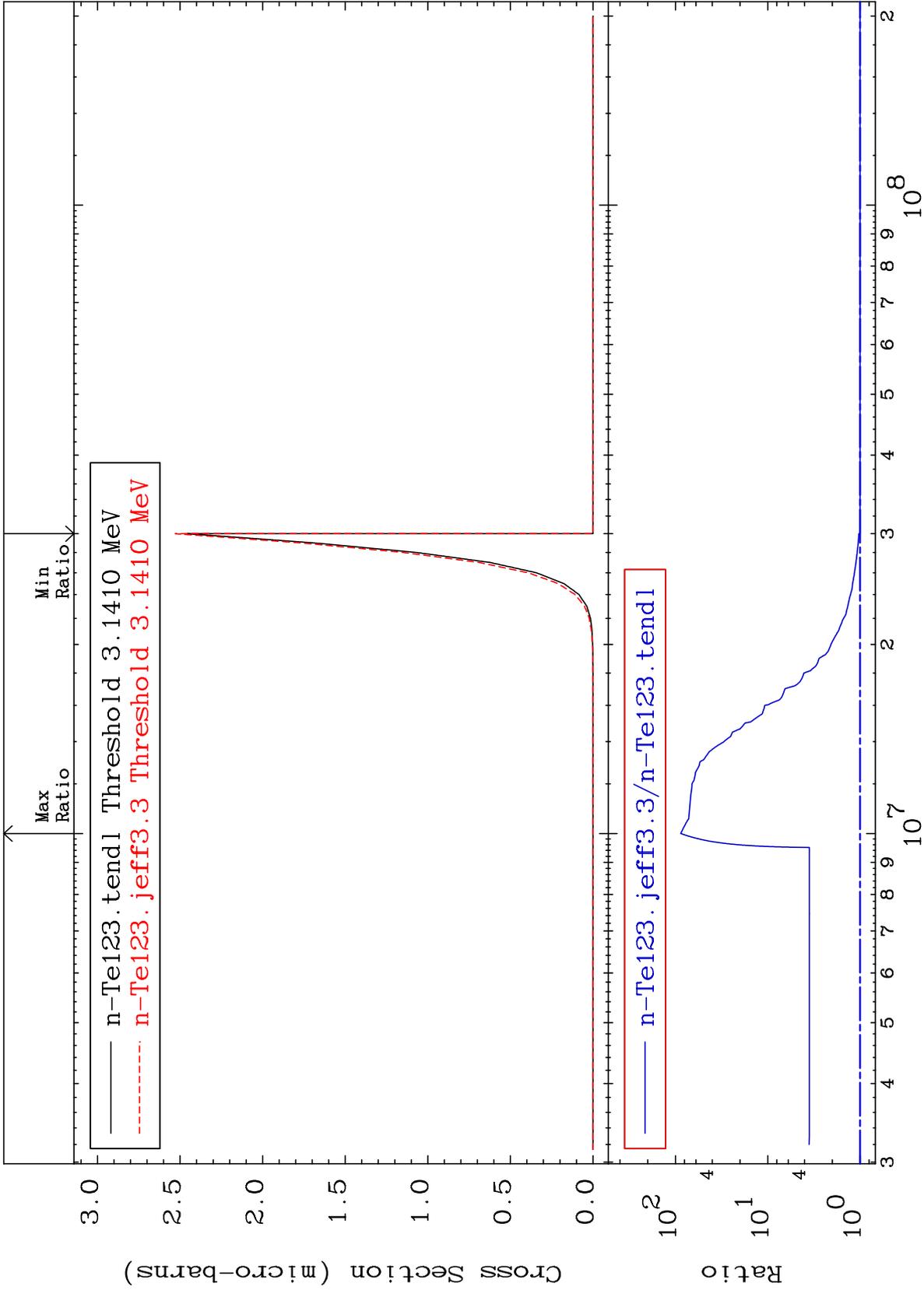
Incident Energy (eV)

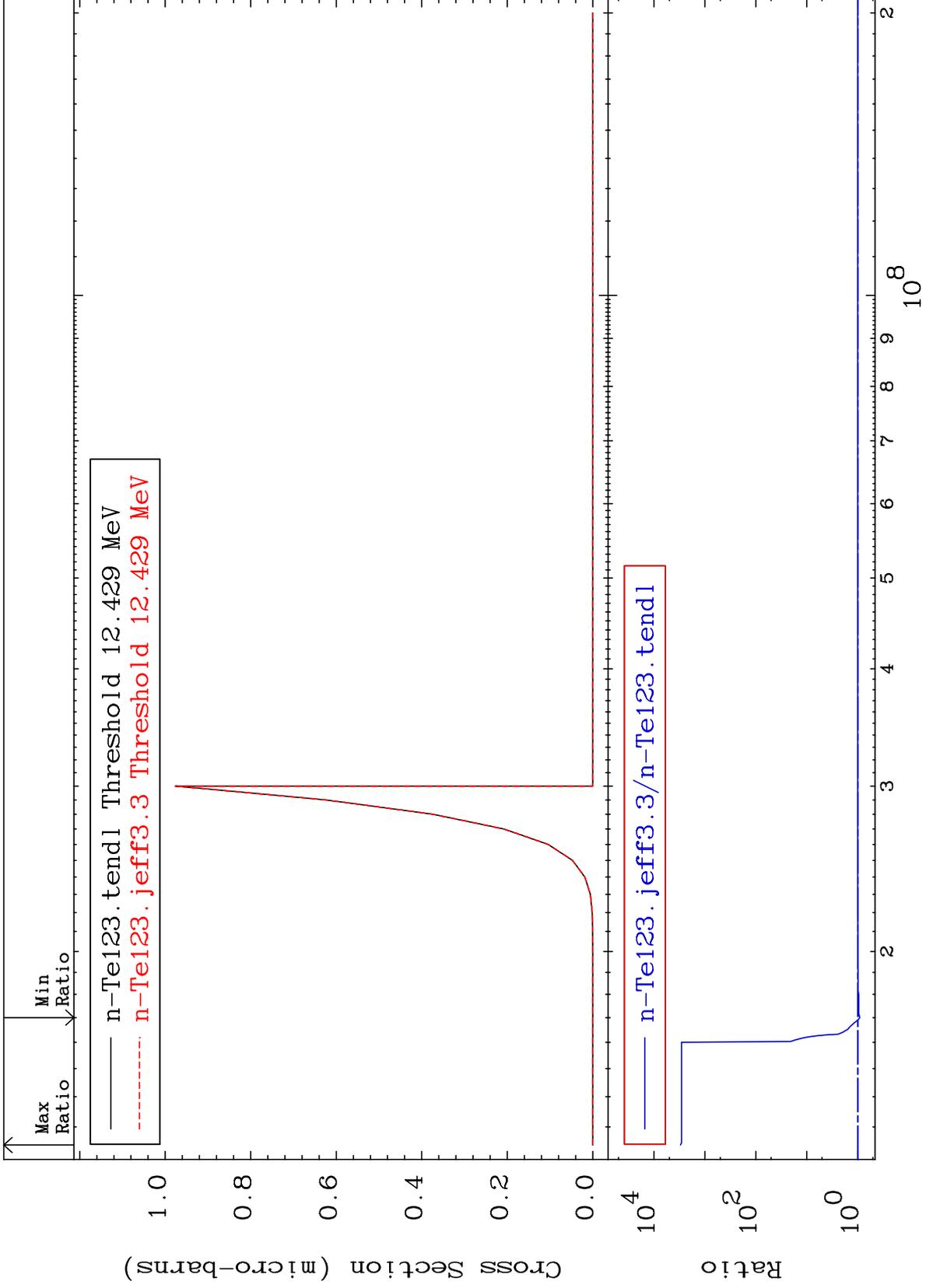
52-Te-123

MAT 5234

(n, p)  $\alpha$

52-Te-123  
0.000 To 8663. %





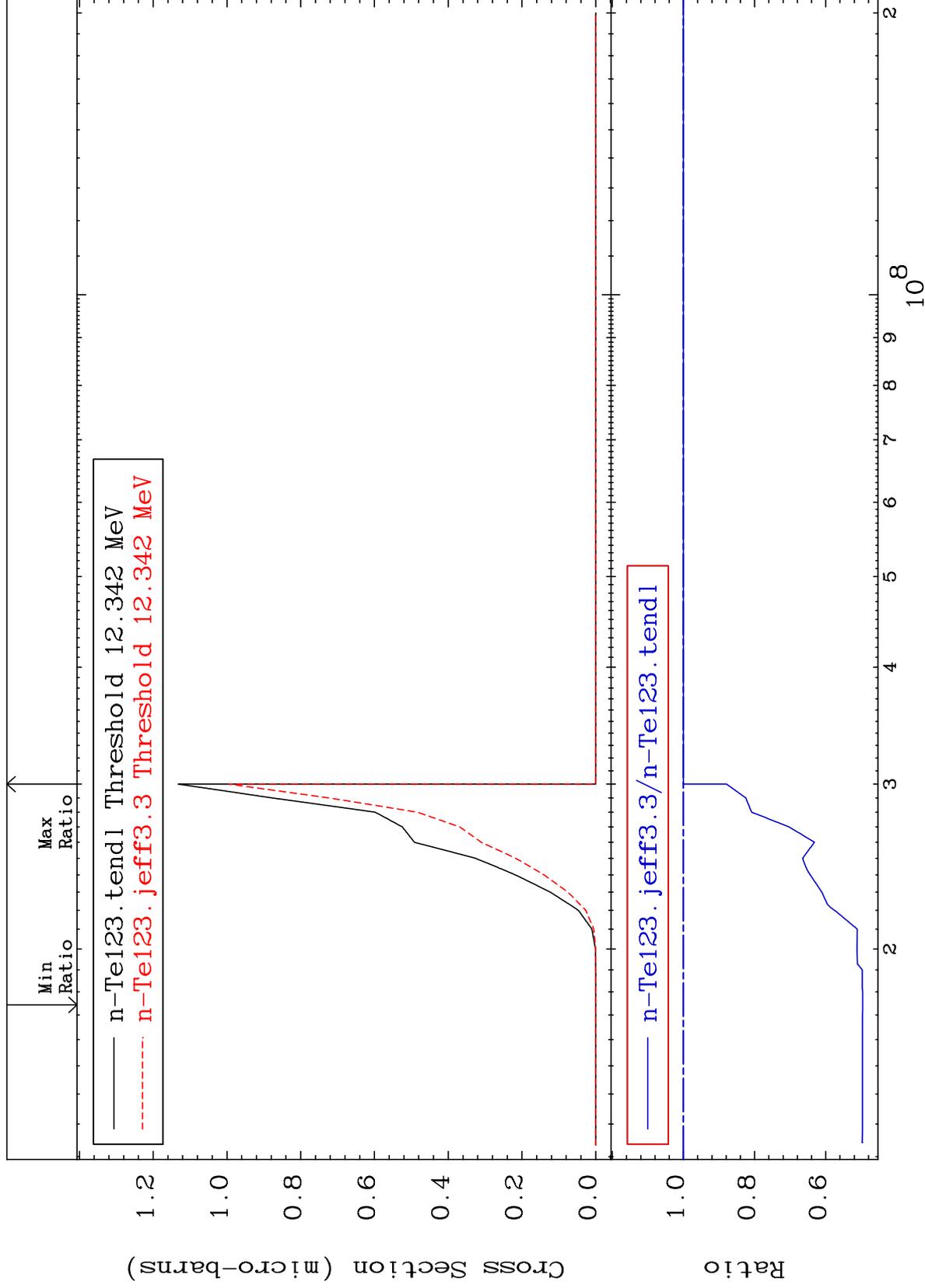
MAT 5234

(n, p) t

52-Te-123

Cross Section

-50.38 To 0.000 %



60

Incident Energy (eV)

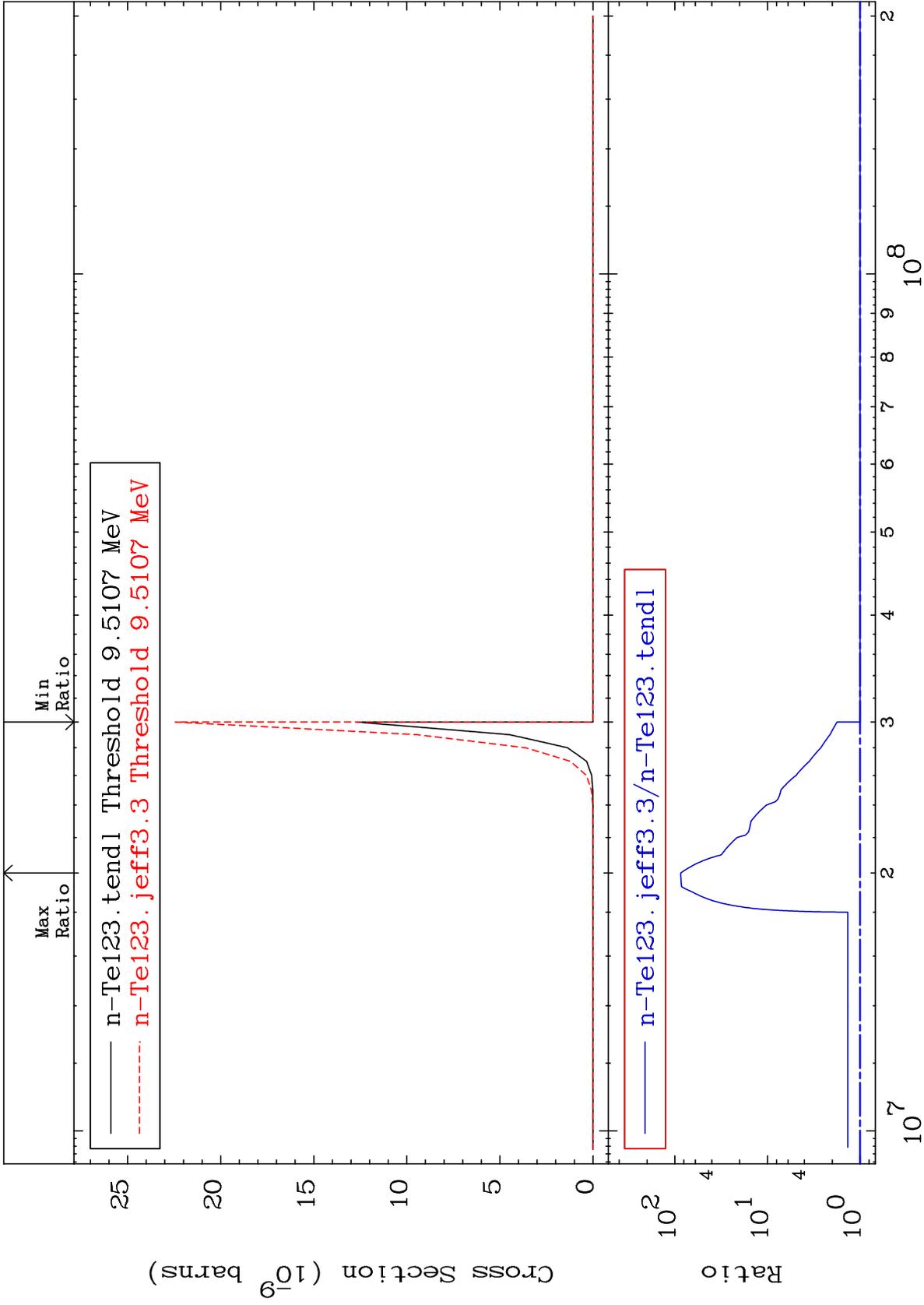
52-Te-123

MAT 5234

(n,d)  $\alpha$

52-Te-123  
0.000 To 8539. %

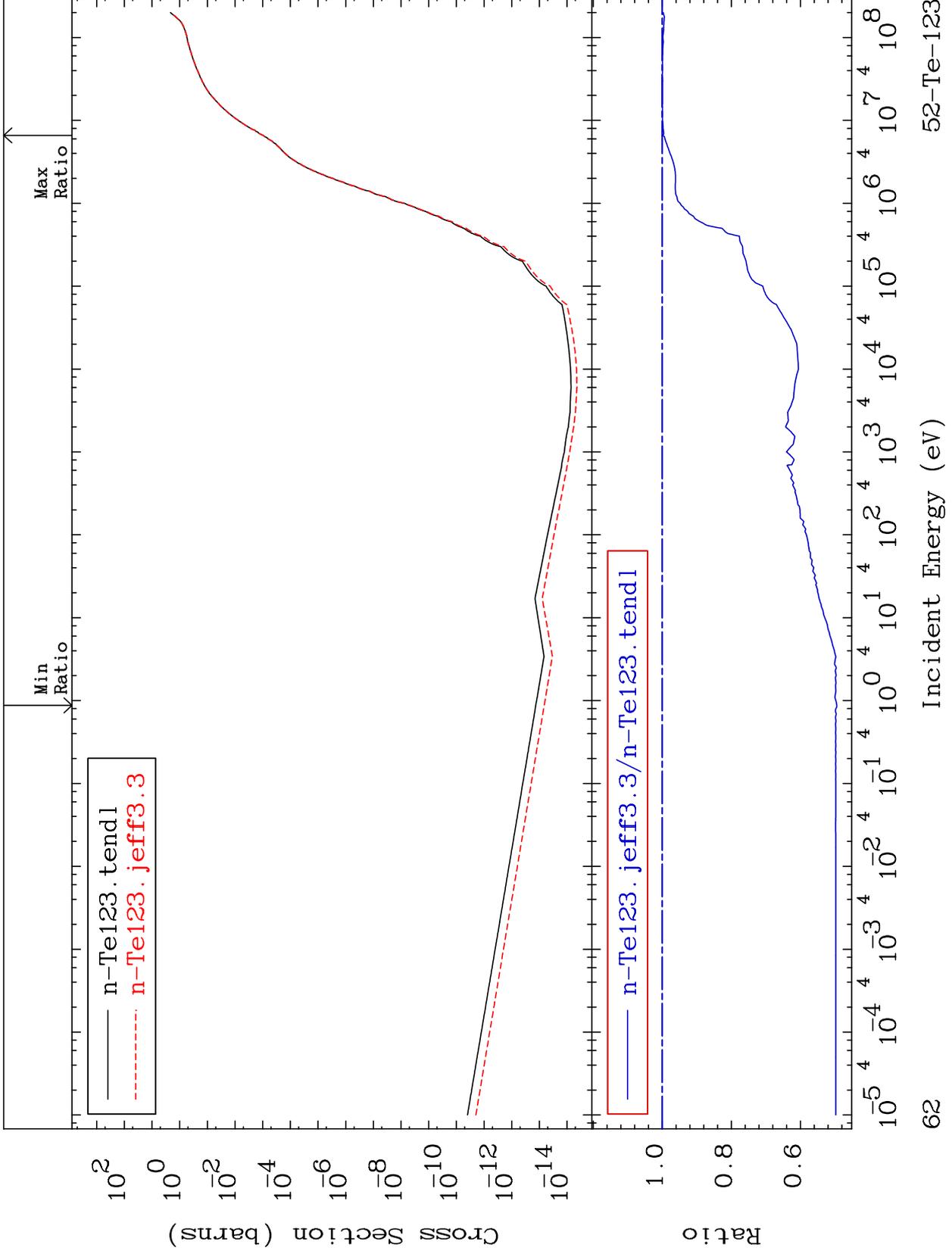
Cross Section



MAT 5234

Hydrogen Production  
Cross Section

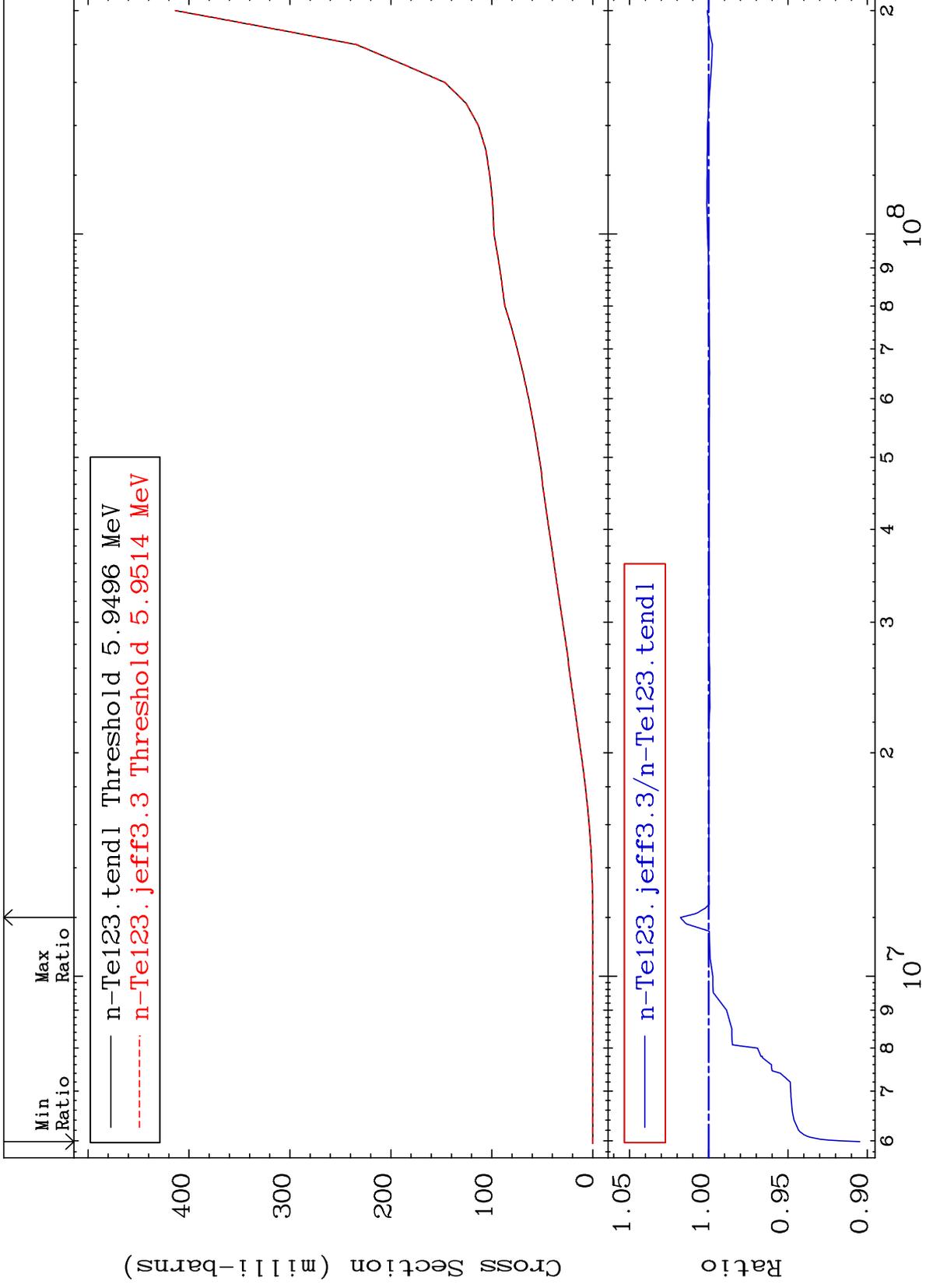
52-Te-123  
-50.55 To -0.016%



MAT 5234

Deuterium Production  
Cross Section

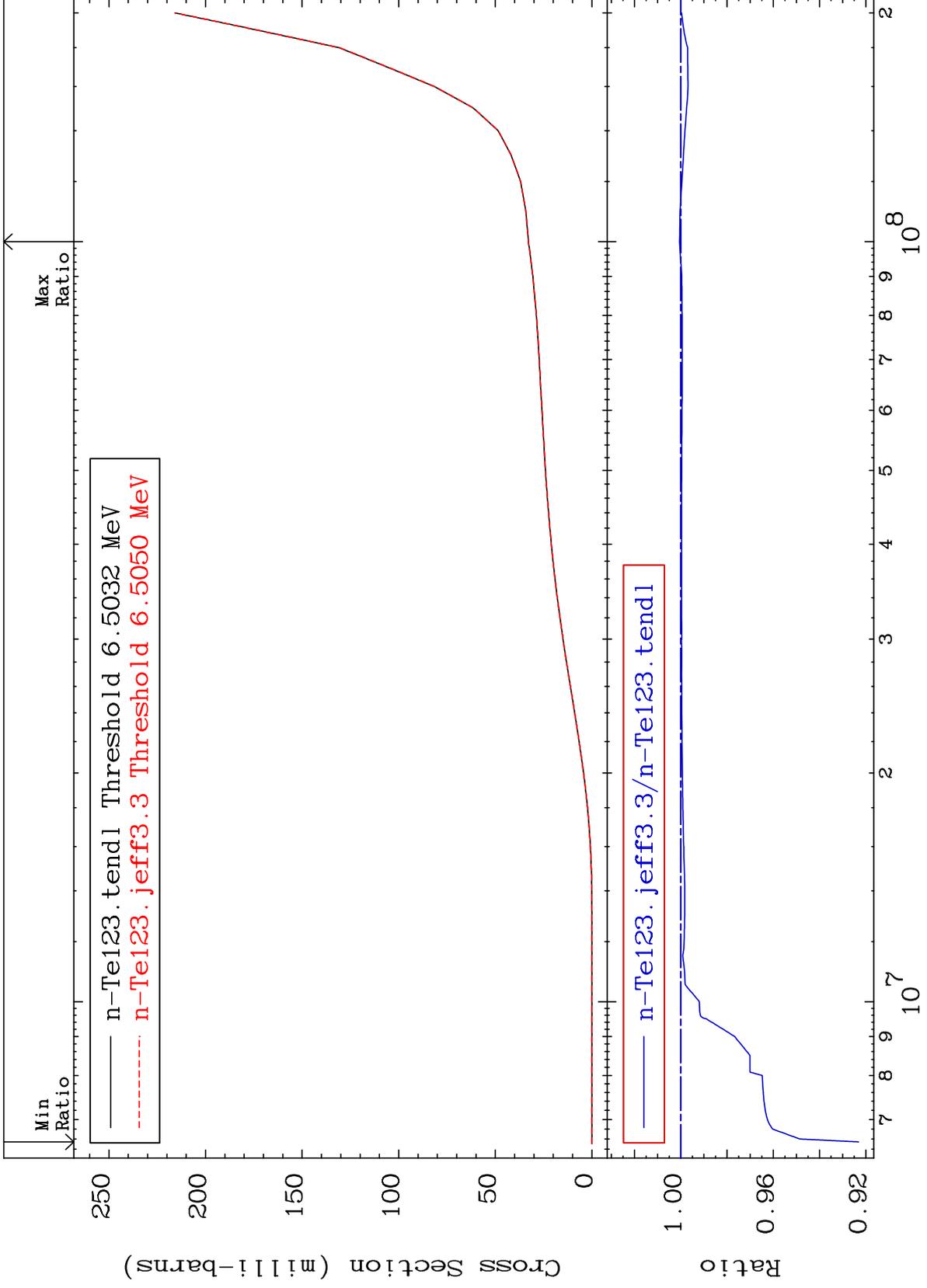
52-Te-123  
-9.531 To 1.780 %



MAT 5234

Tritium Production  
Cross Section

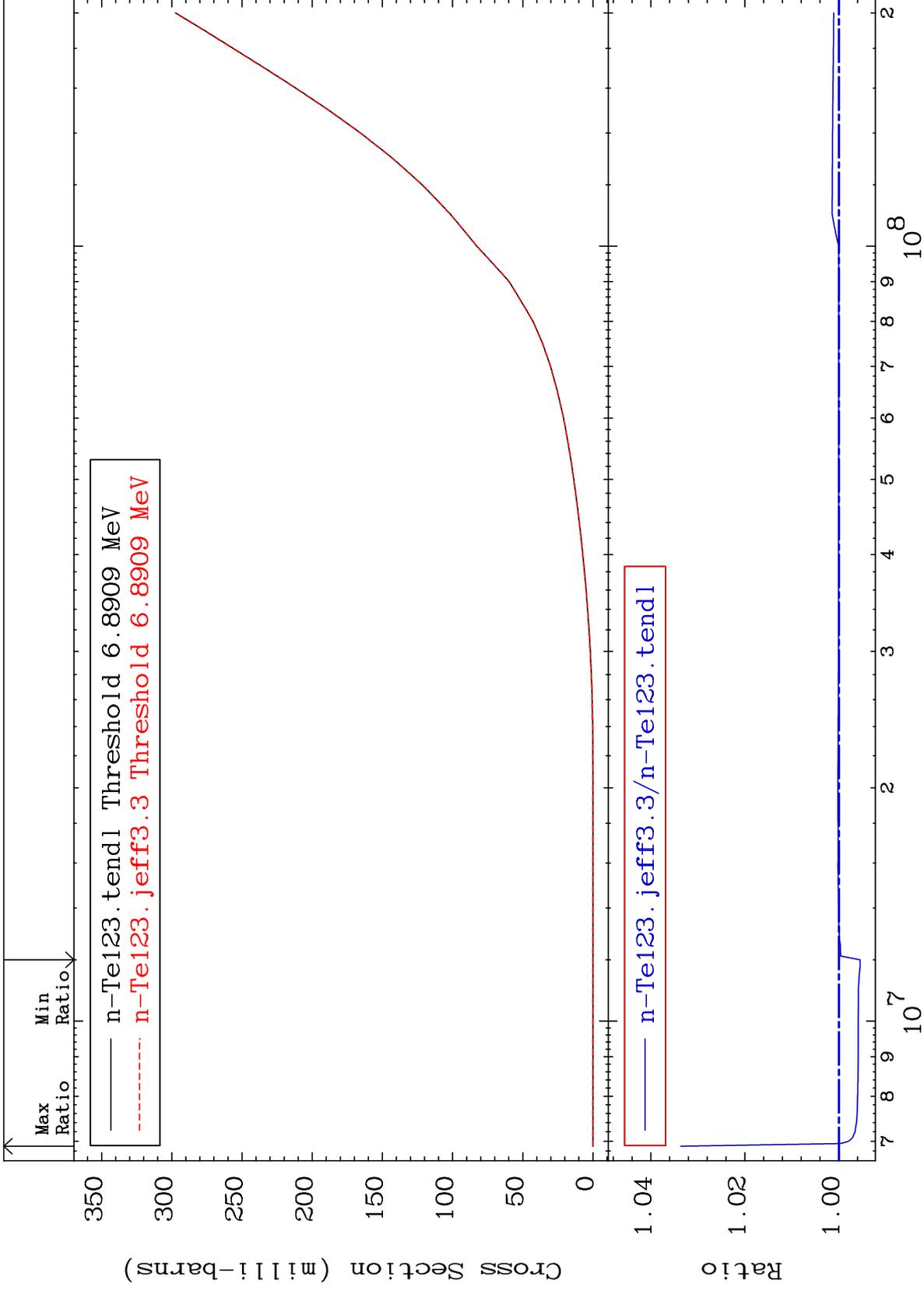
52-Te-123  
-7.686 To 0.055 %



MAT 5234

He-3 Production  
Cross Section

52-Te-123  
-0.452 To 3.364 %



65

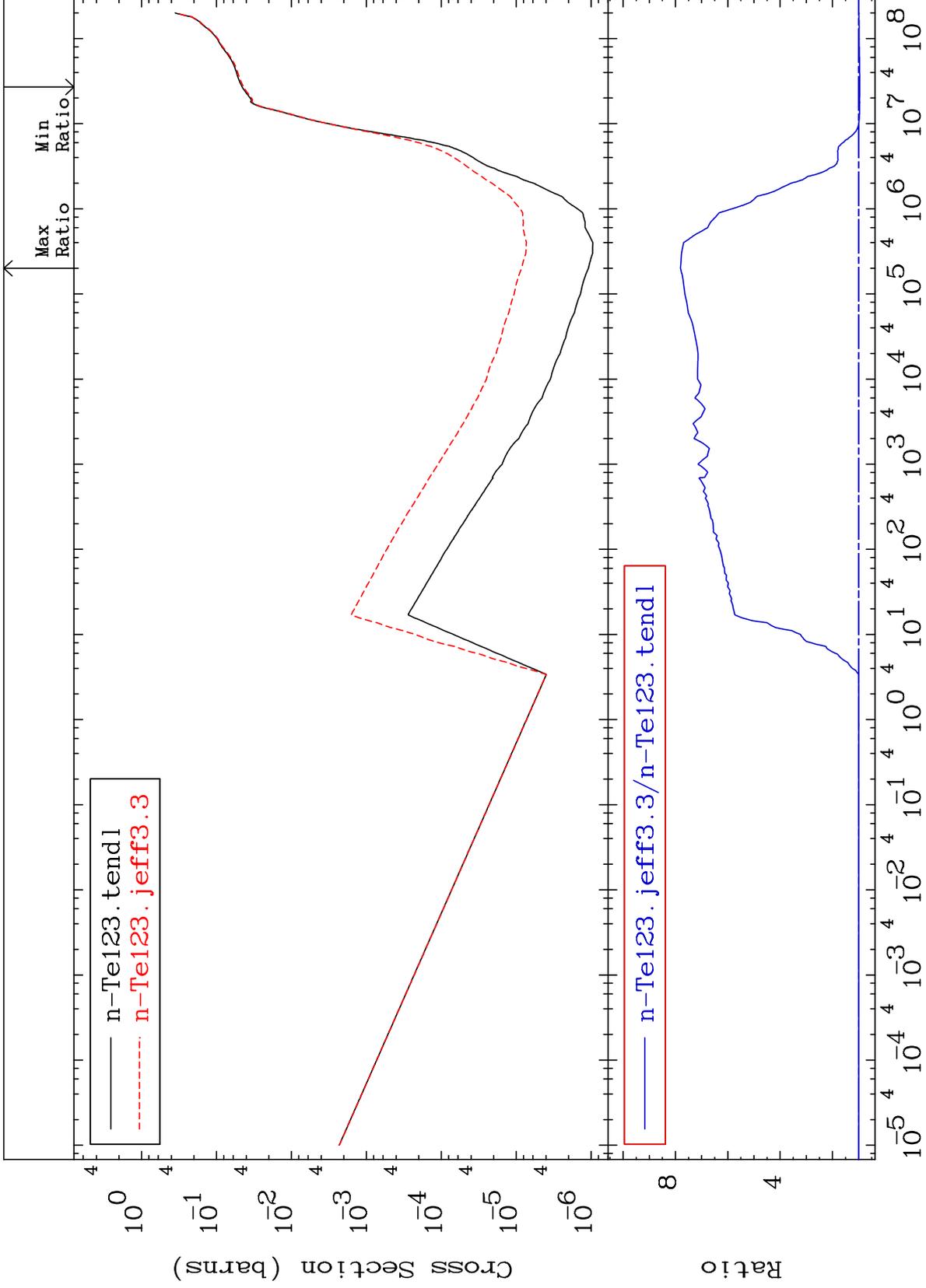
Incident Energy (eV)

52-Te-123

MAT 5234

He-4 Production  
Cross Section

52-Te-123  
-4.331 To 680.6 %



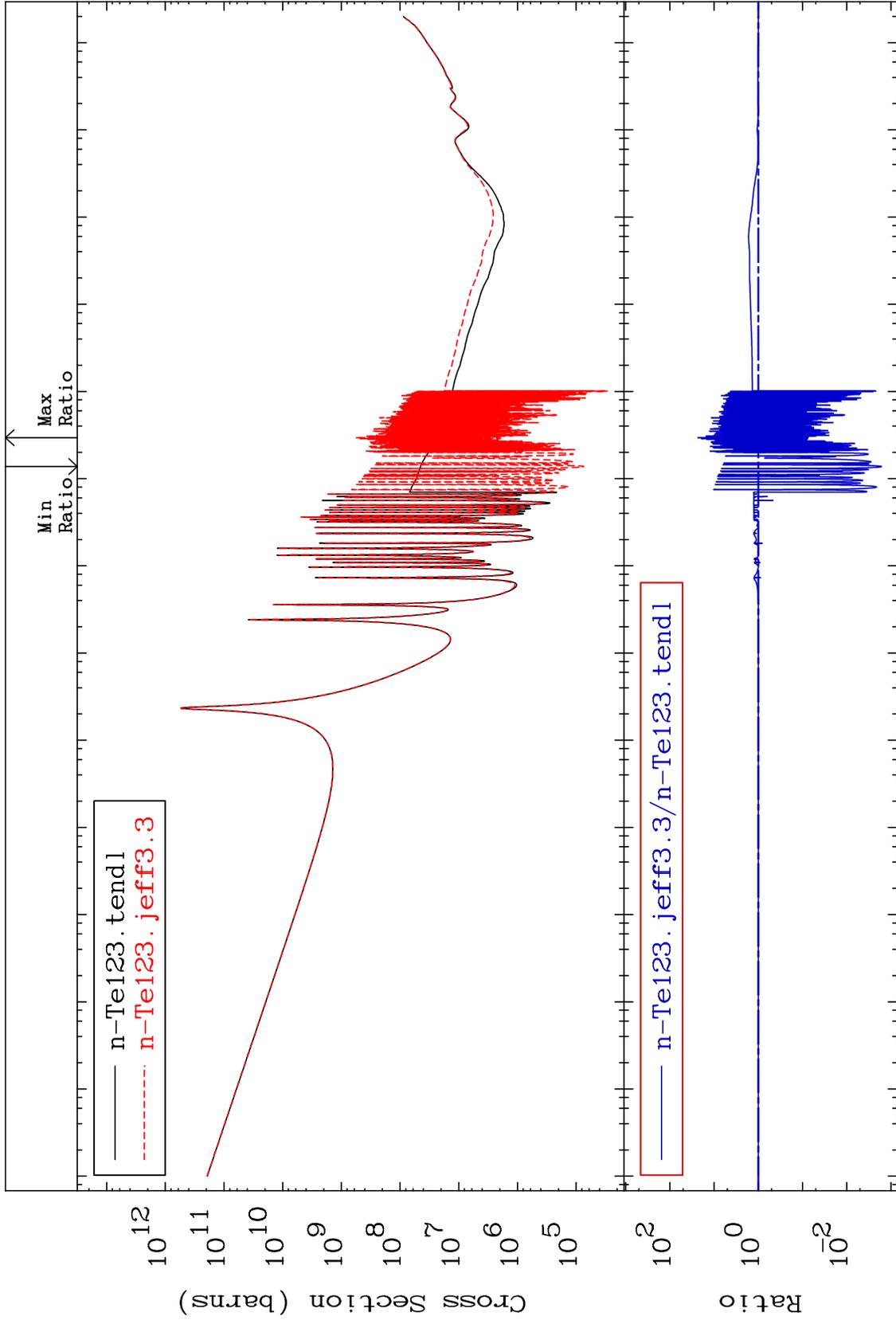
66

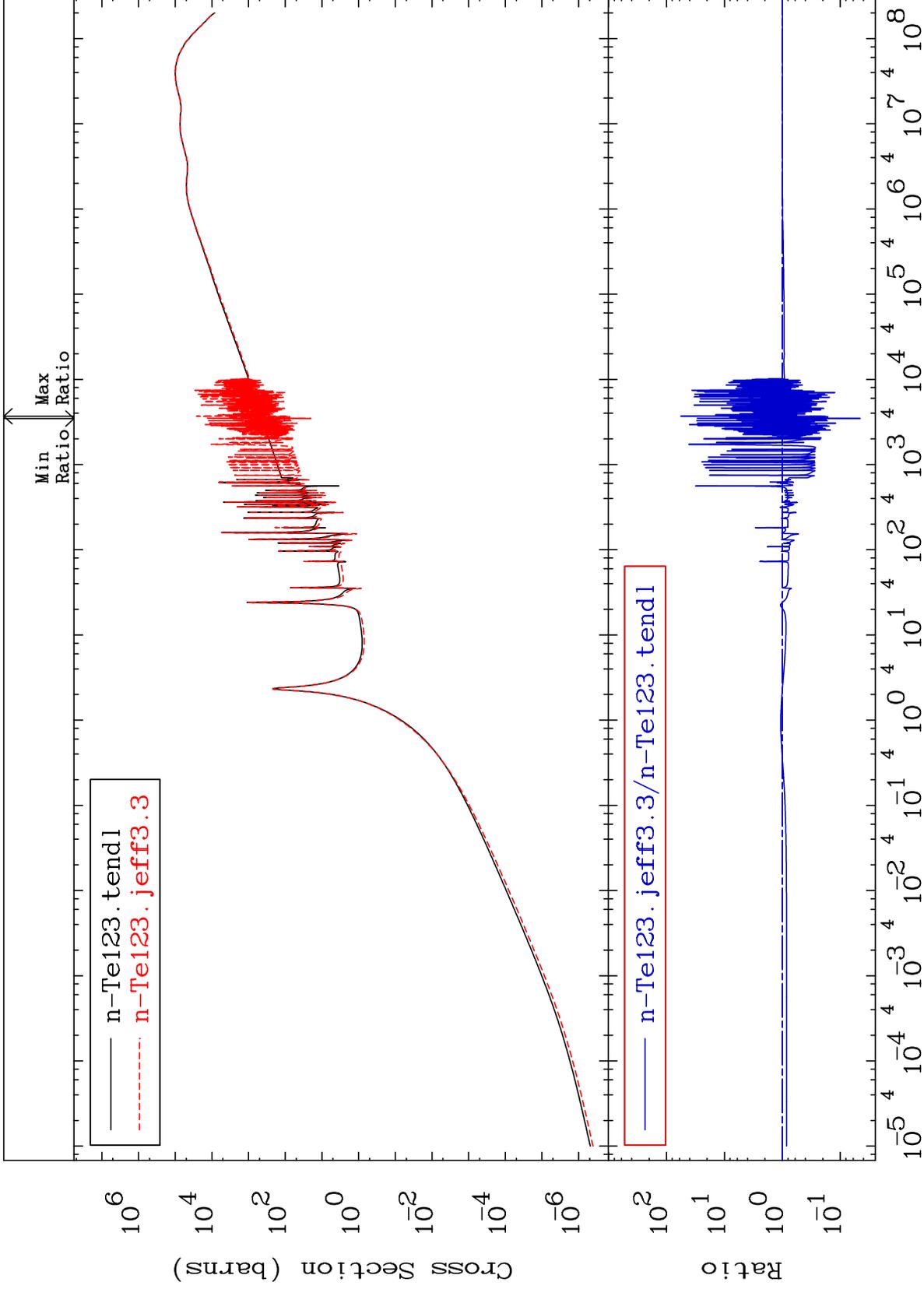
Incident Energy (eV)

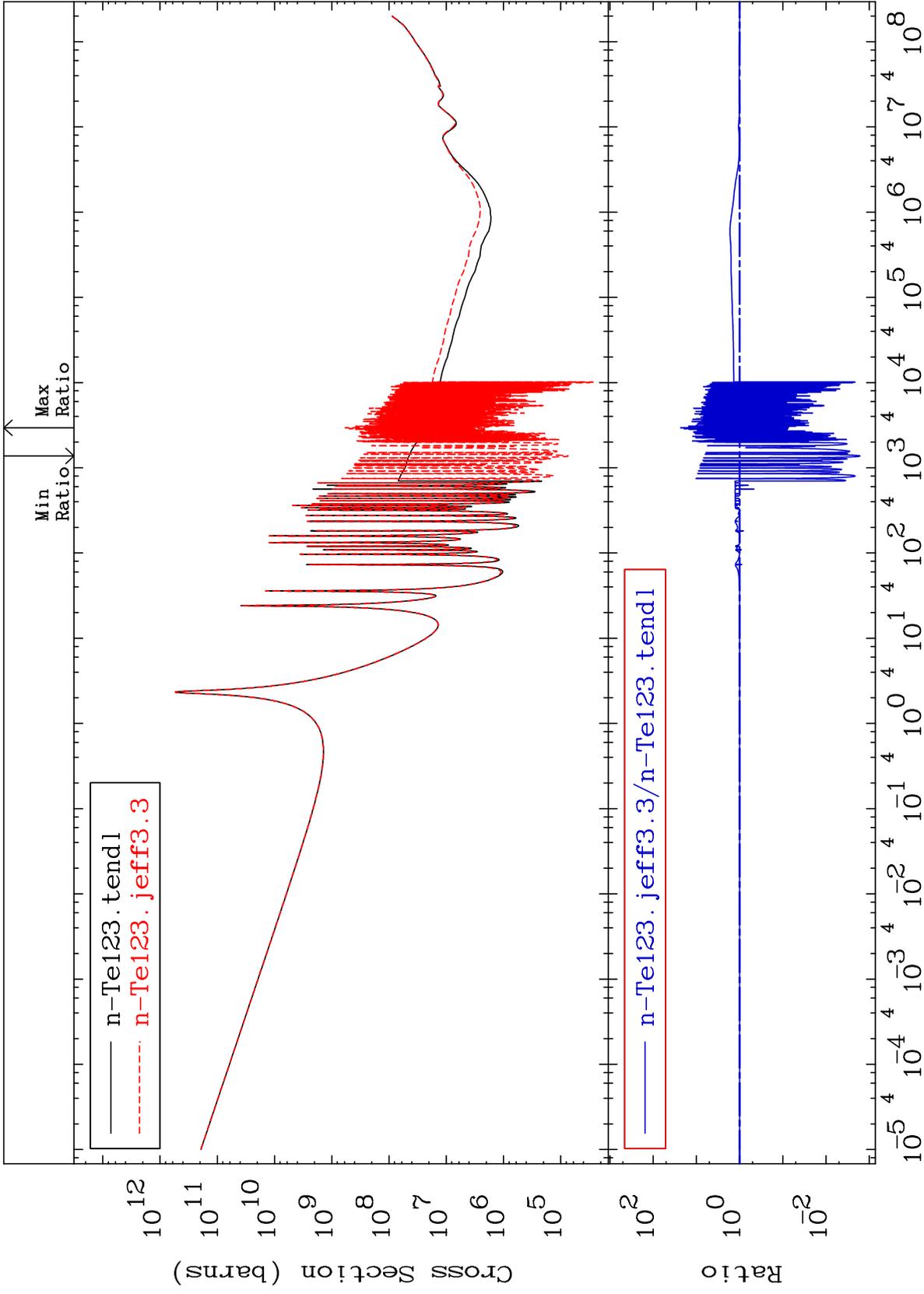
52-Te-123

Cross Section

-99.84 To 2198. %



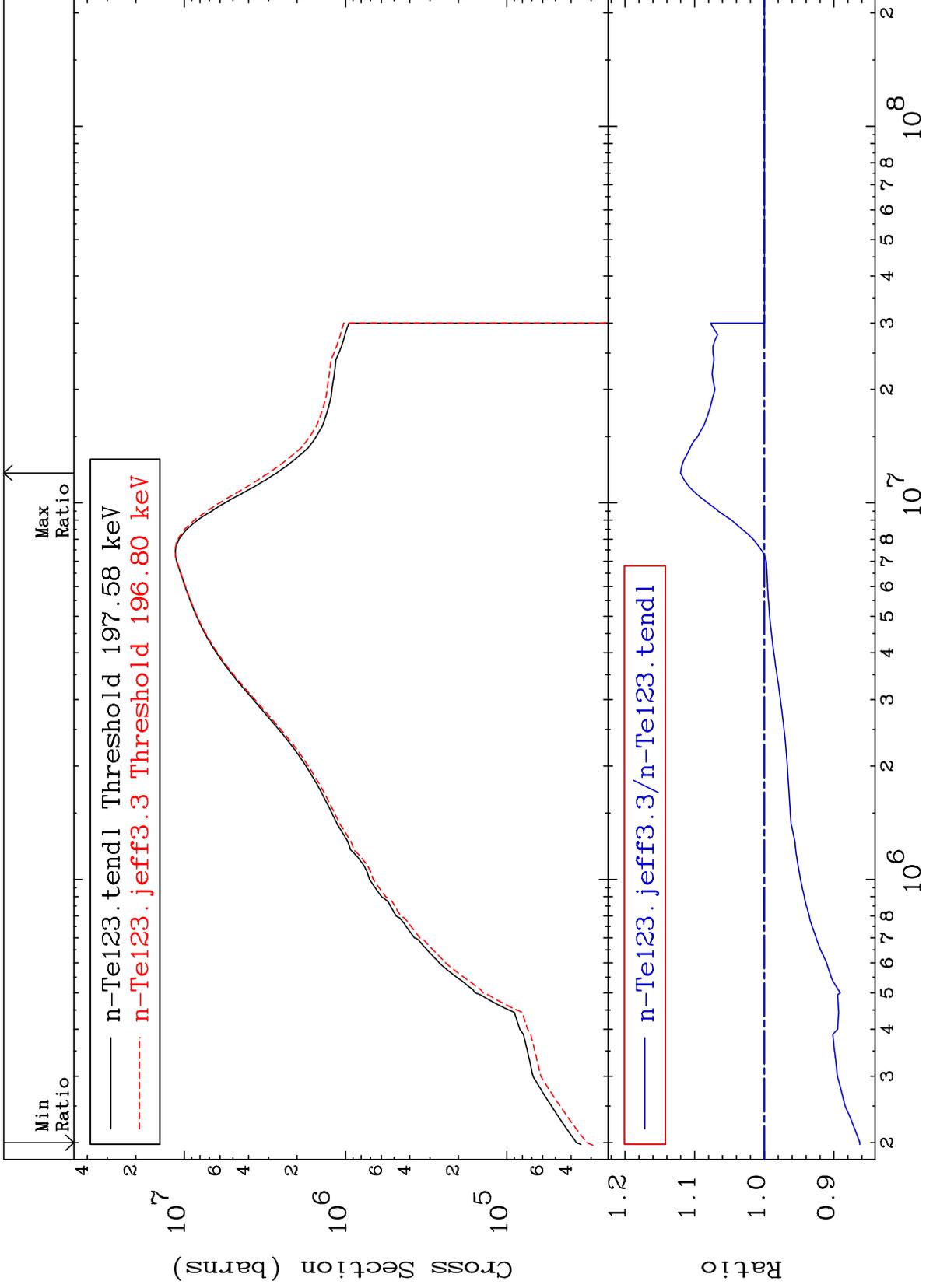




MAT 5234

Kerma inelastic (mt51-91)  
Cross Section

52-Te-123  
-13.71 To 12.03 %



70

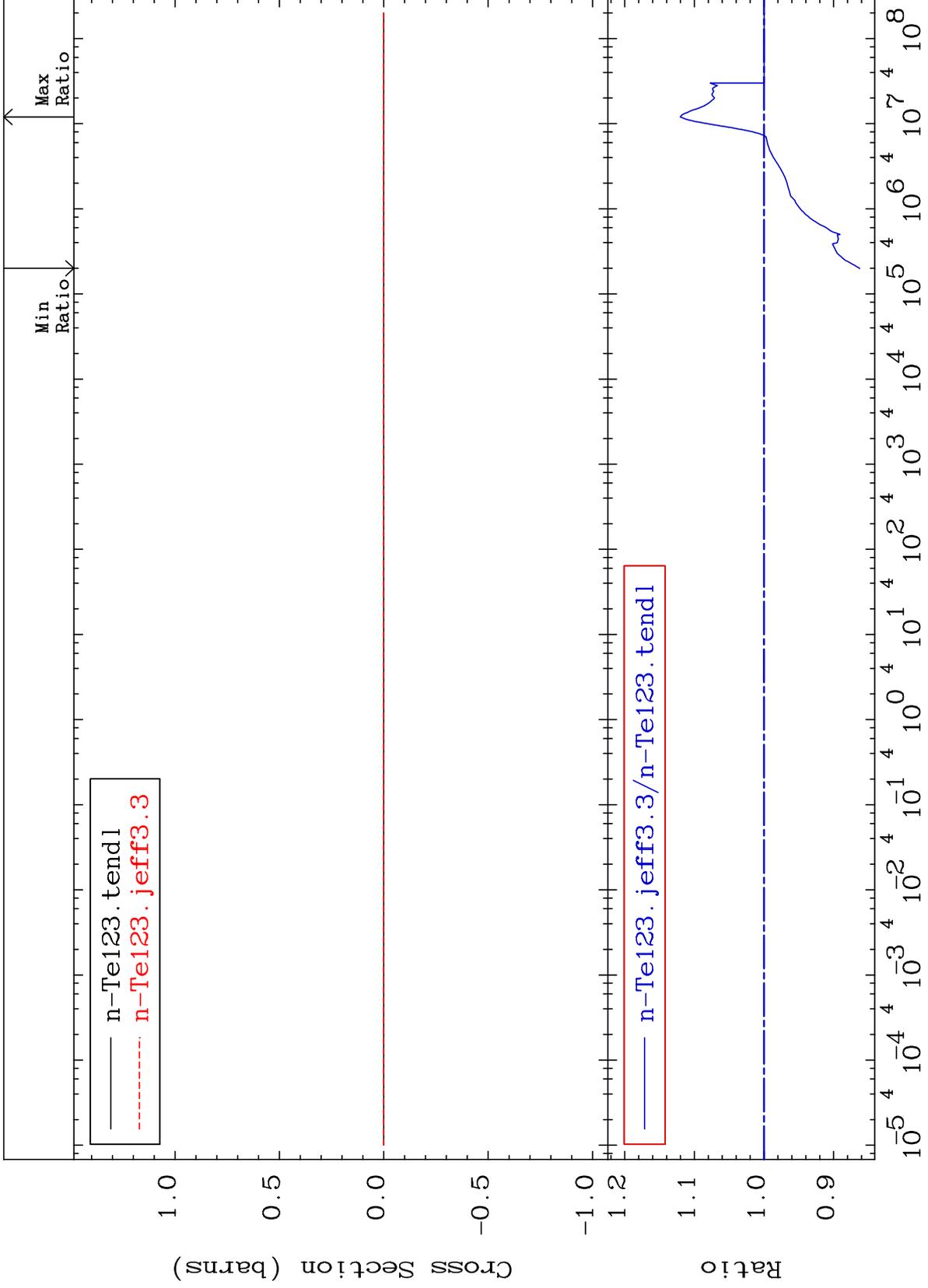
52-Te-123

52-Te-123

MAT 5234

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

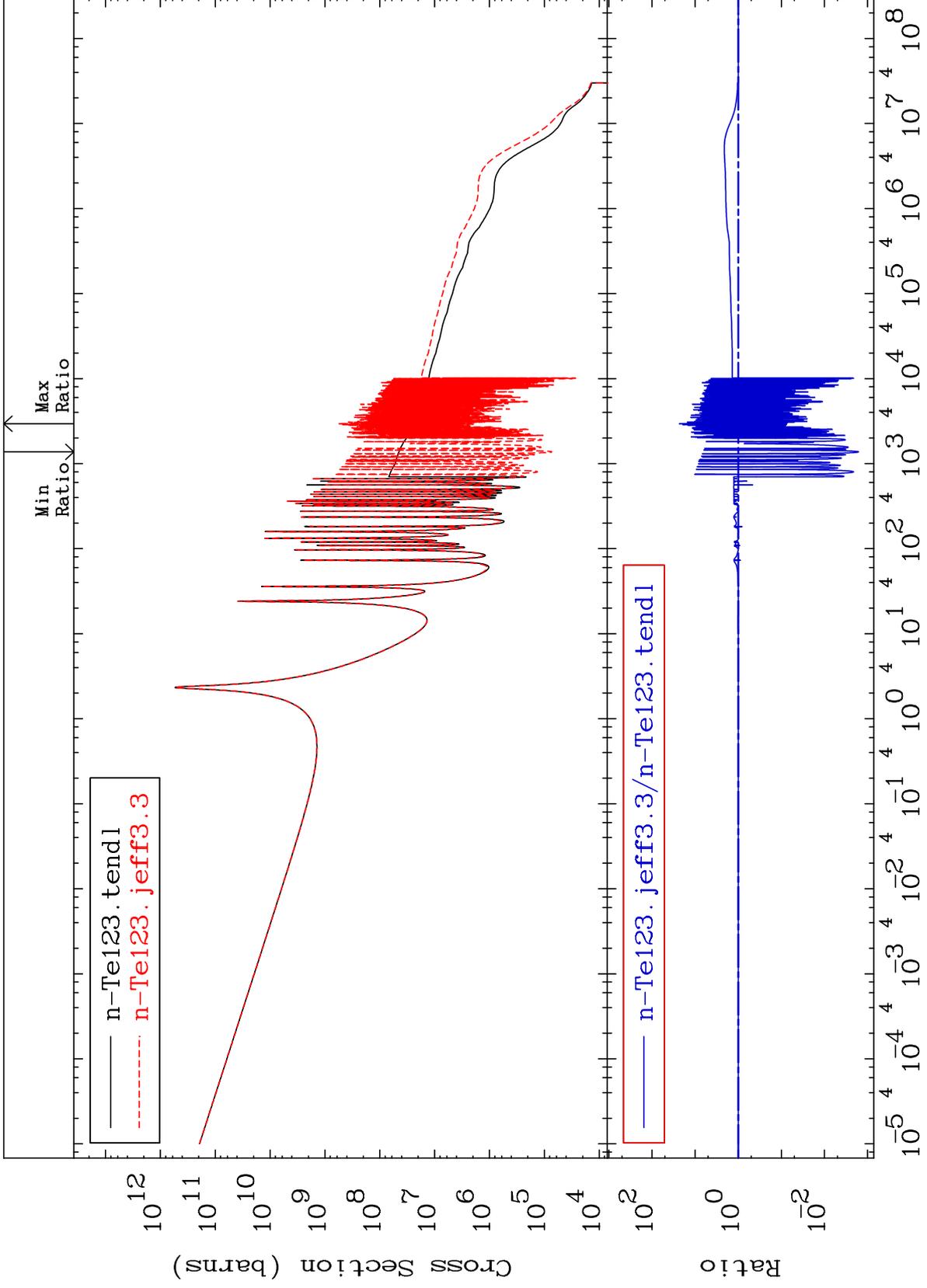
52-Te-123  
-13.71 To 12.03 %



MAT 5234

Kerma capture (mt102)  
Cross Section

52-Te-123  
-99.84 To 2198. %



72

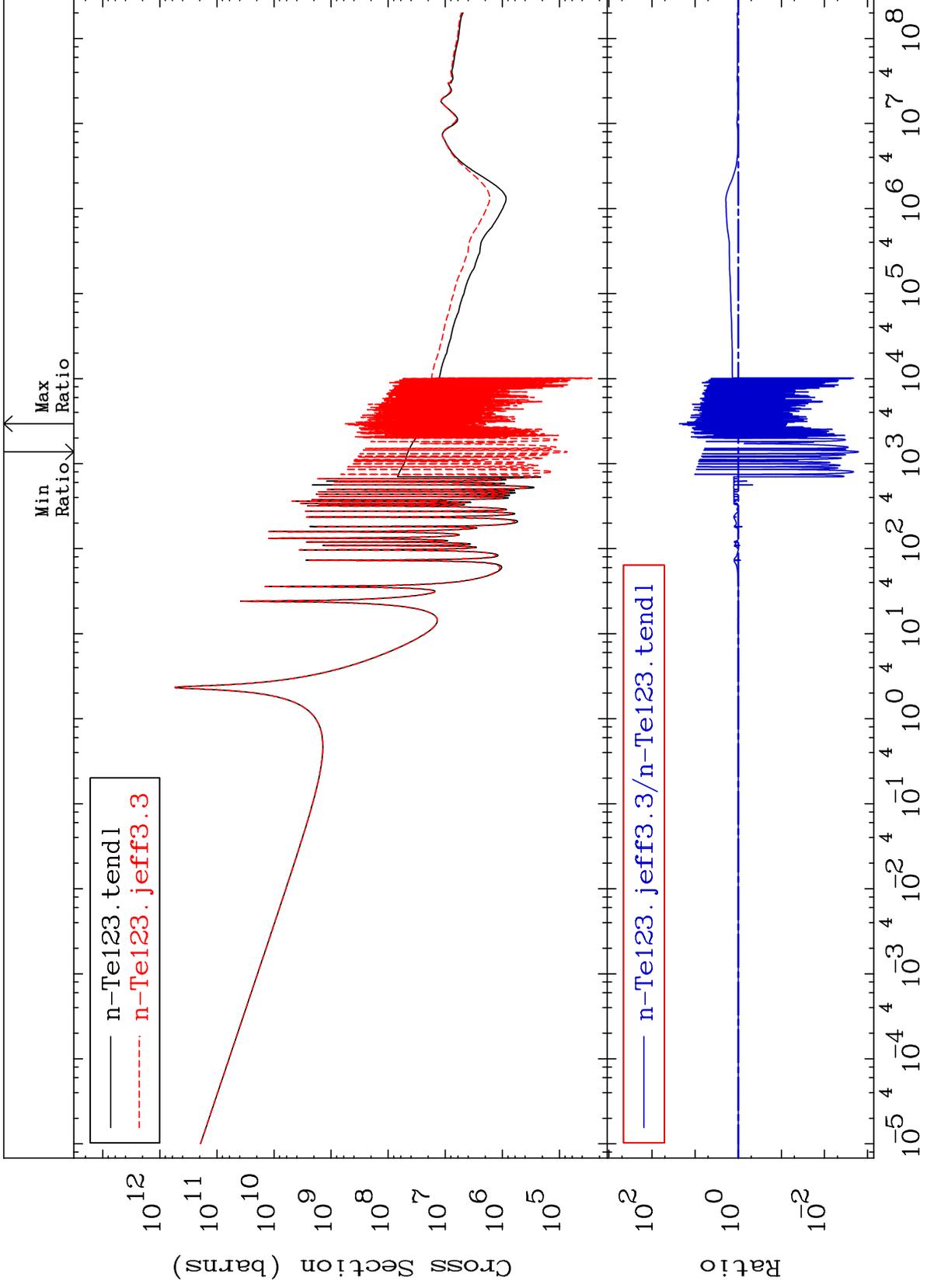
Incident Energy (eV)

52-Te-123

MAT 5234

Total photon (eV-barns)  
Cross Section

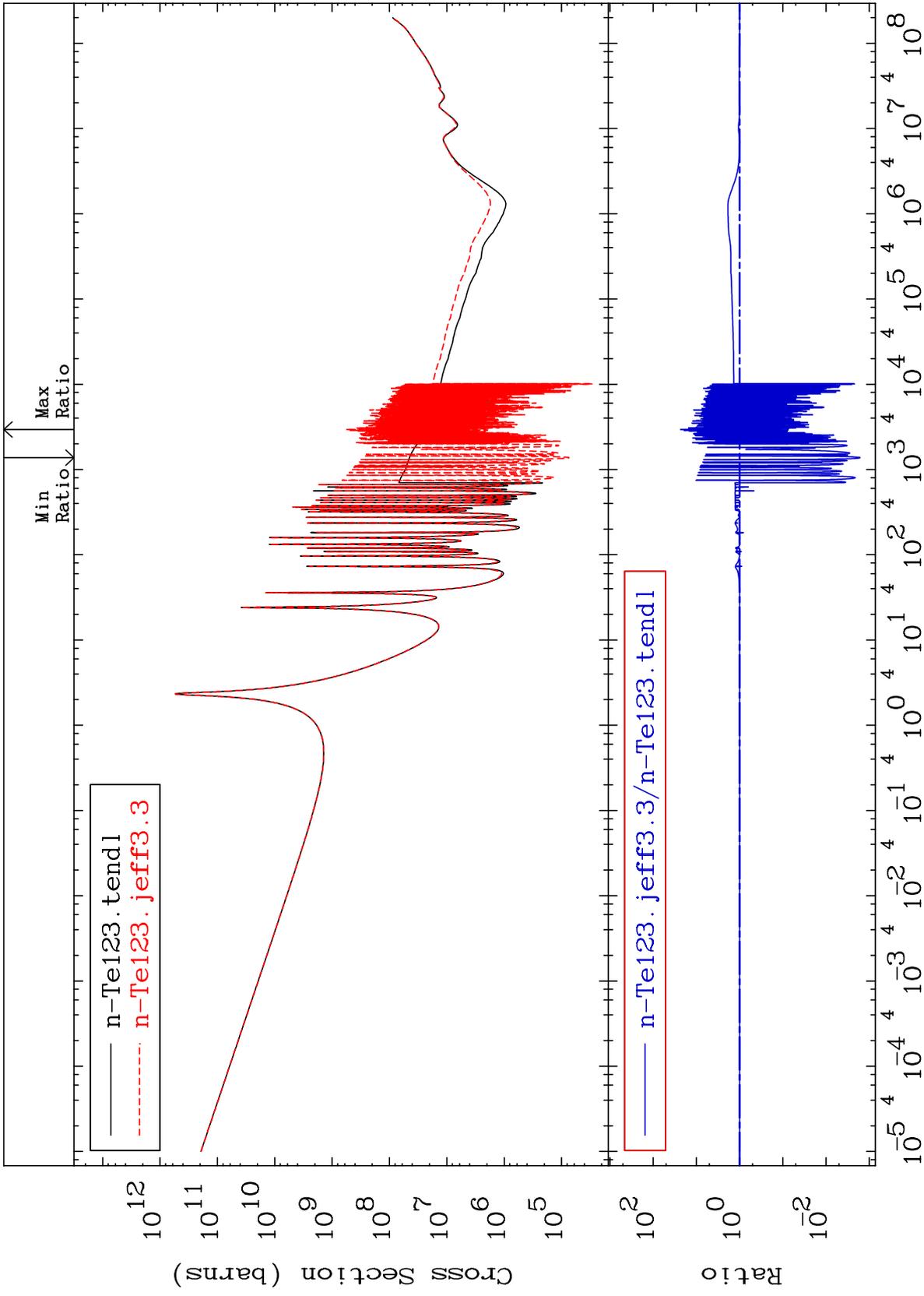
52-Te-123  
-99.84 To 2198. %

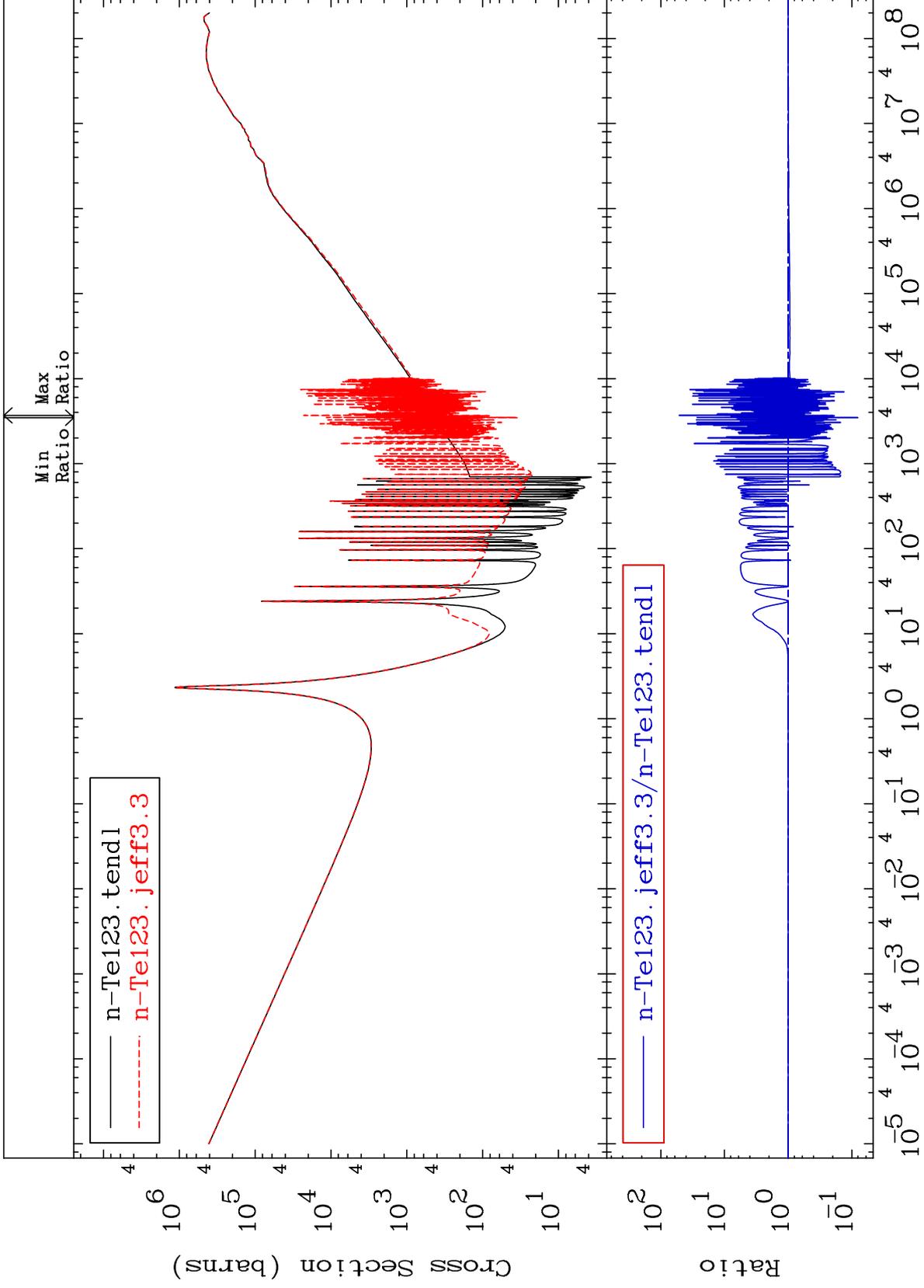


73

Incident Energy (eV)

52-Te-123

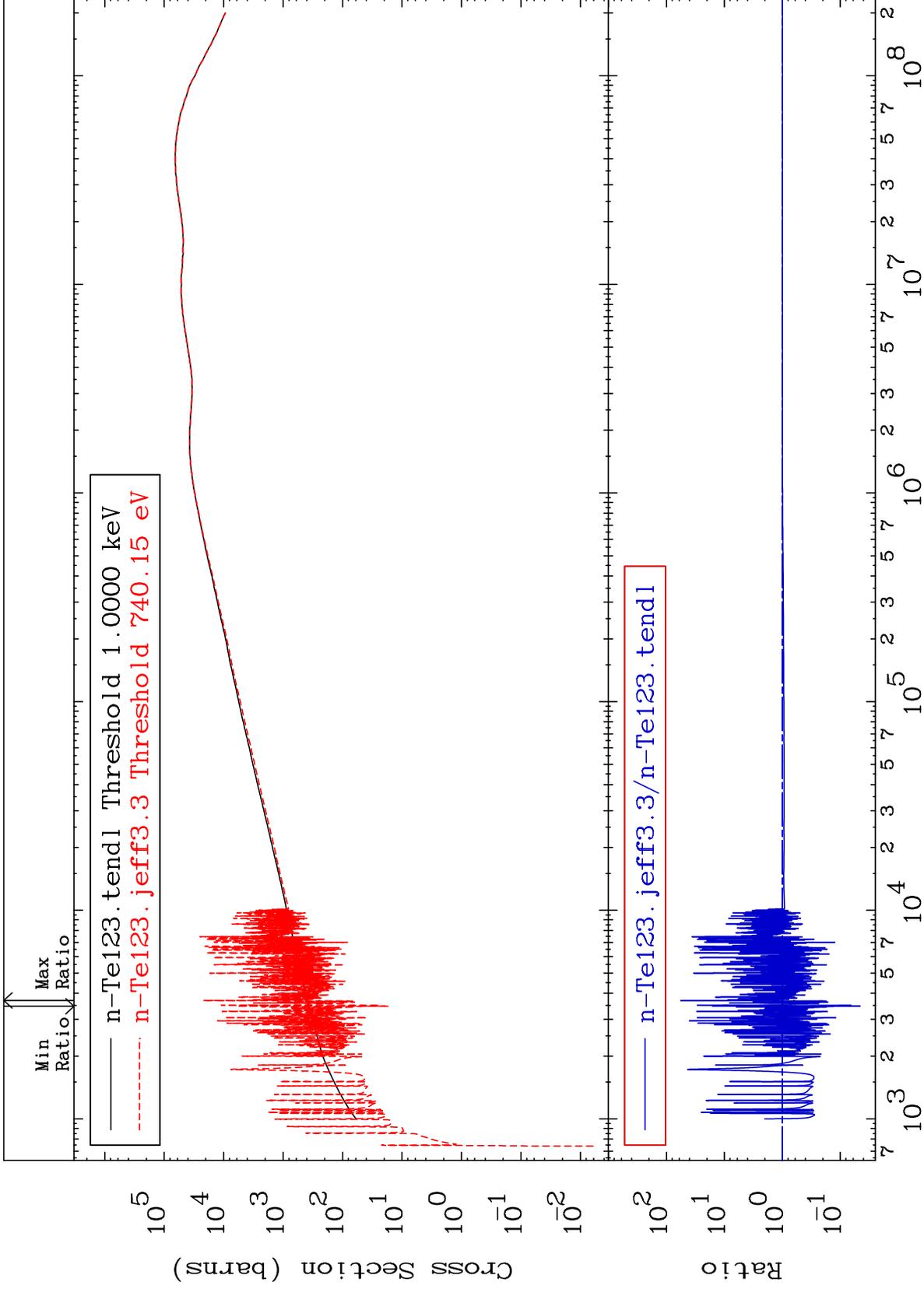




MAT 5234

Dpa elastic (mt2)  
Cross Section

52-Te-123  
-95.45 To 5565. %



76

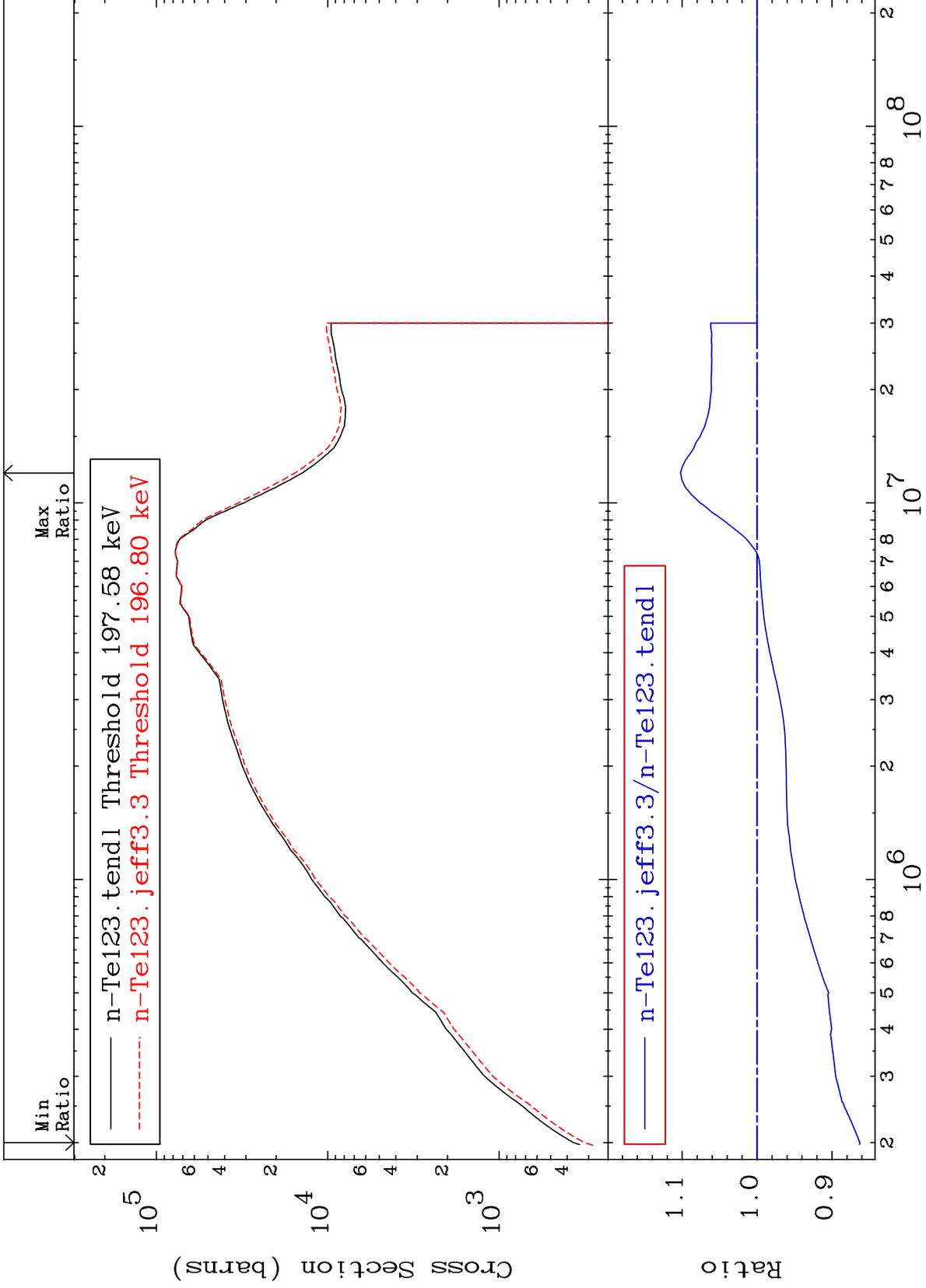
Incident Energy (eV)

52-Te-123

MAT 5234

Dpa inelastic (mt51-91)  
Cross Section

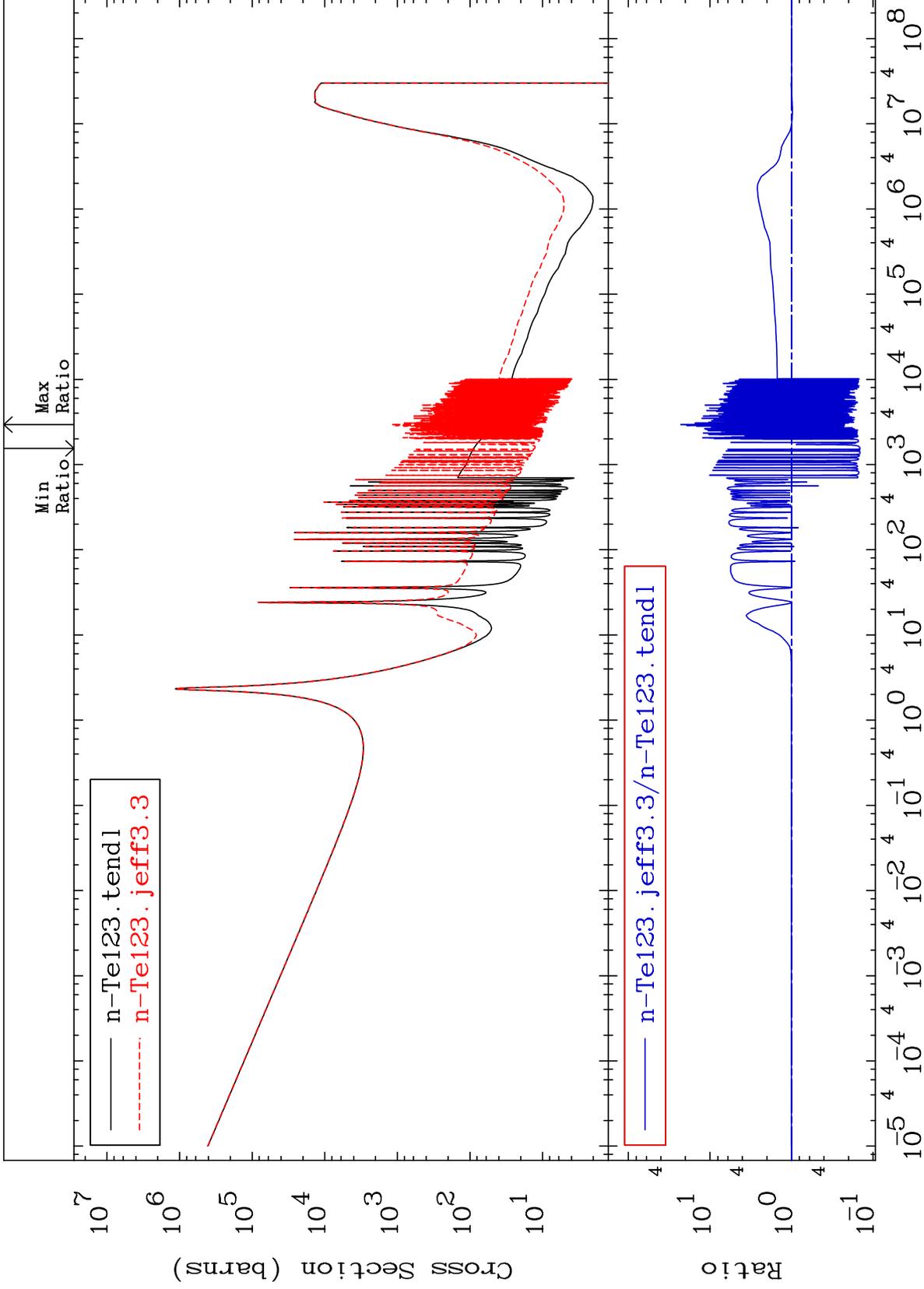
52-Te-123  
-13.71 To 10.23 %



77

Incident Energy (eV)

52-Te-123

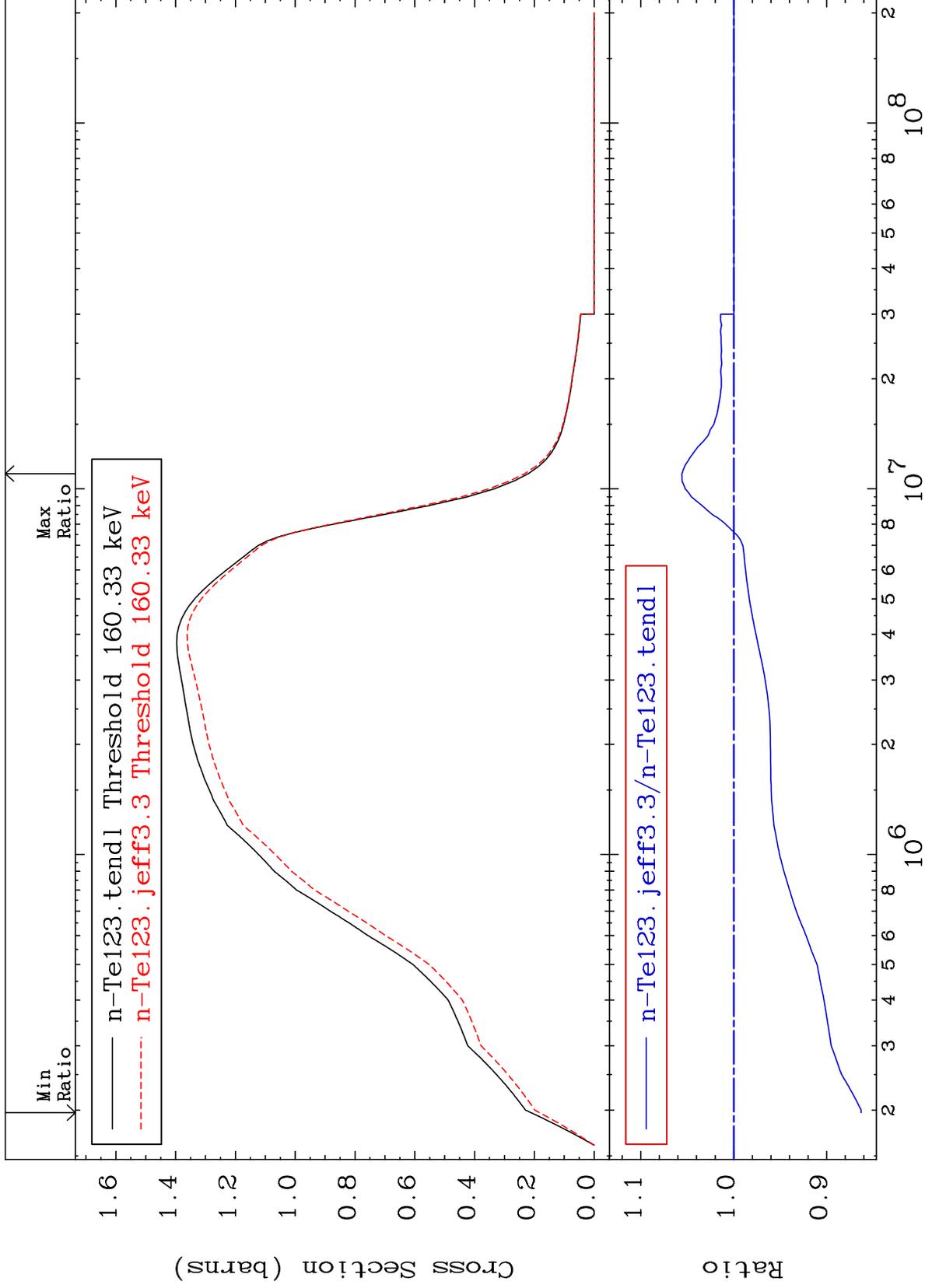


MAT 5234

52-Te-123

Inelastic:52-Te-123g

Radionuclide Production Cross Section -13.71 To 5.578 %



79

Incident Energy (eV)

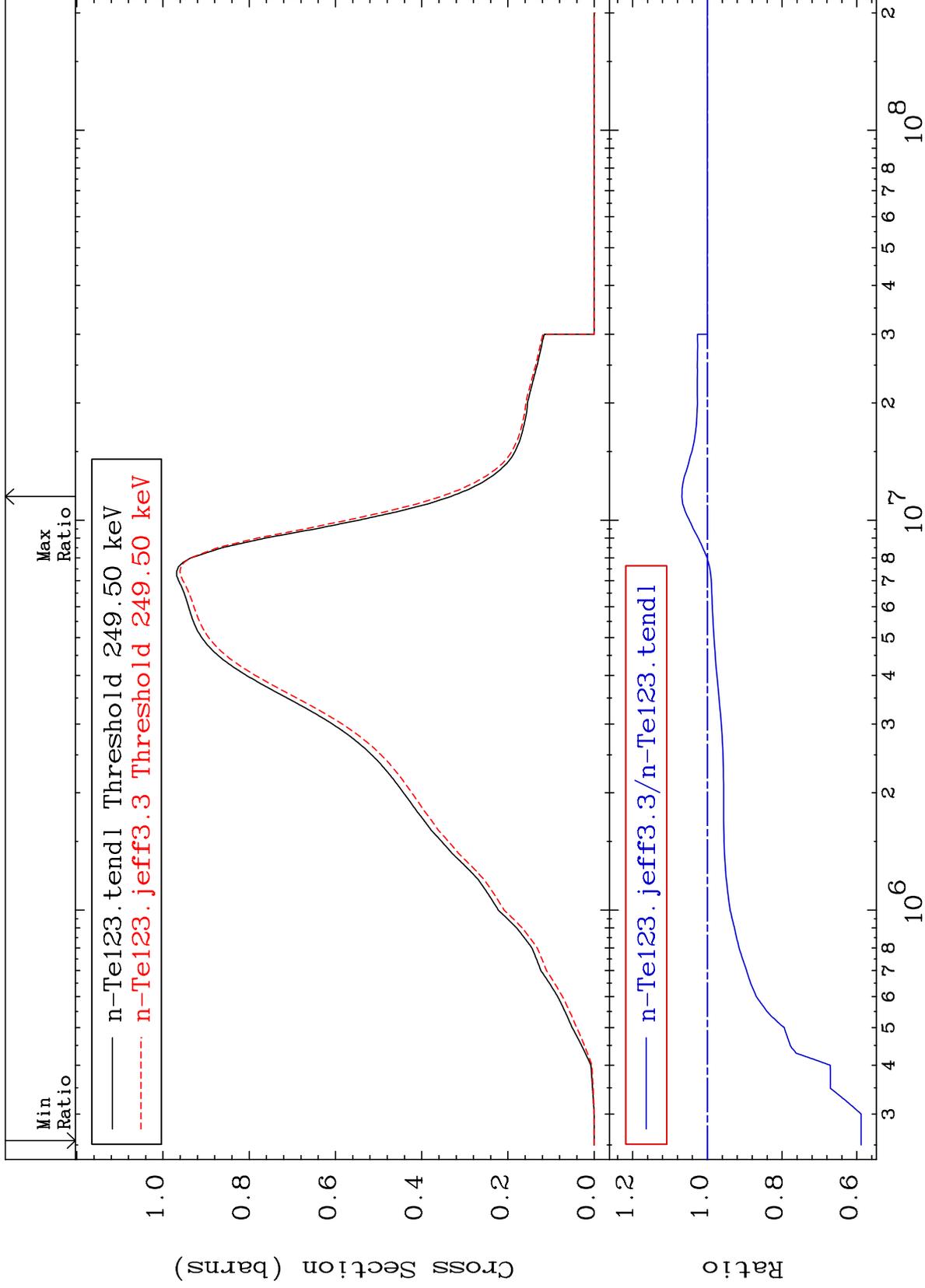
52-Te-123

MAT 5234

Inelastic:52-Te-123m2

52-Te-123

Radionuclide Production Cross Section -41.15 To 6.805 %



80

Incident Energy (eV)

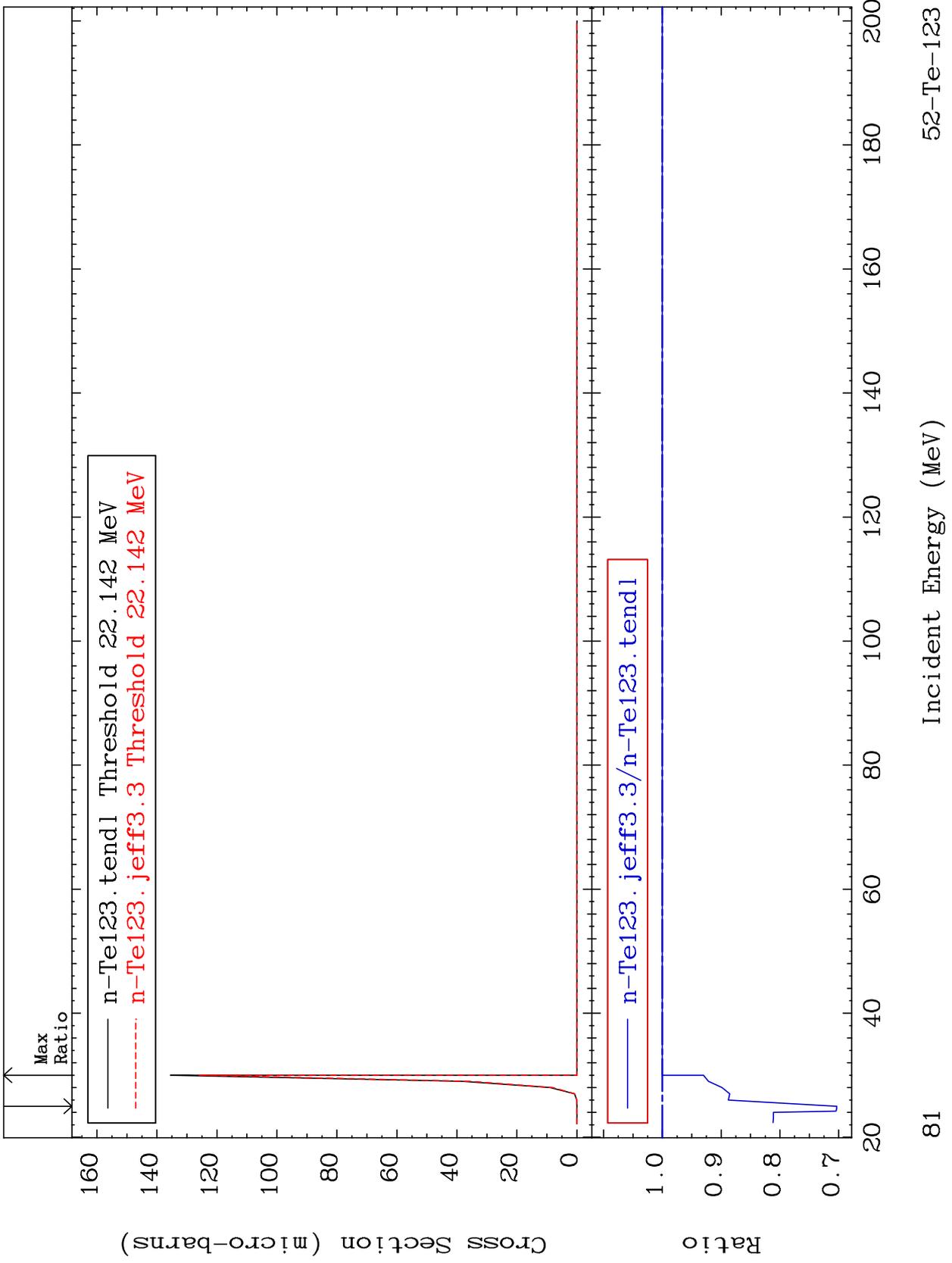
52-Te-123

MAT 5234

(n,2n) d:51-Sb-120g

52-Te-123

Radionuclide Production Cross Section -29.68 To 0.000 %

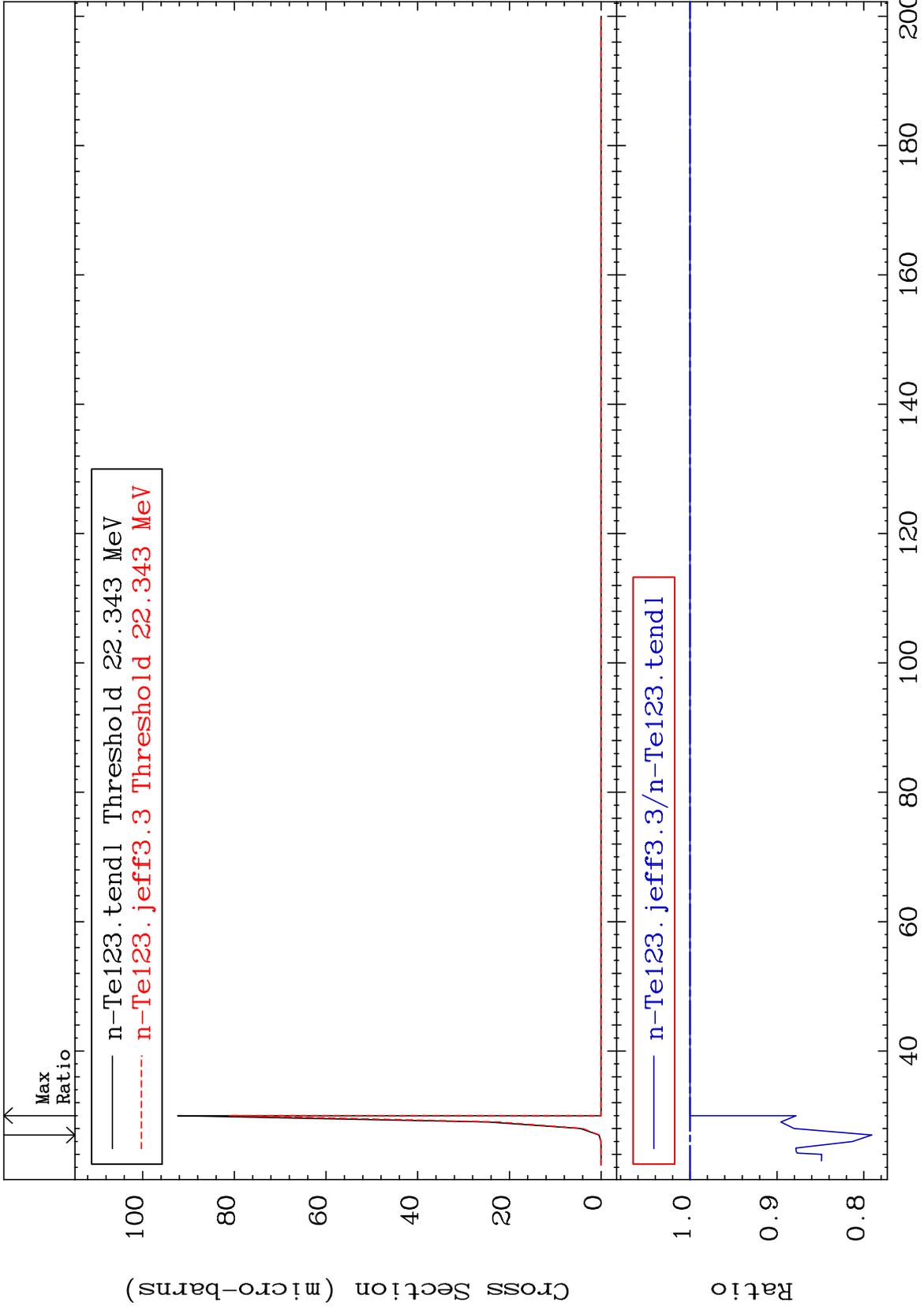


MAT 5234

(n,2n) d:51-Sb-120m6

52-Te-123

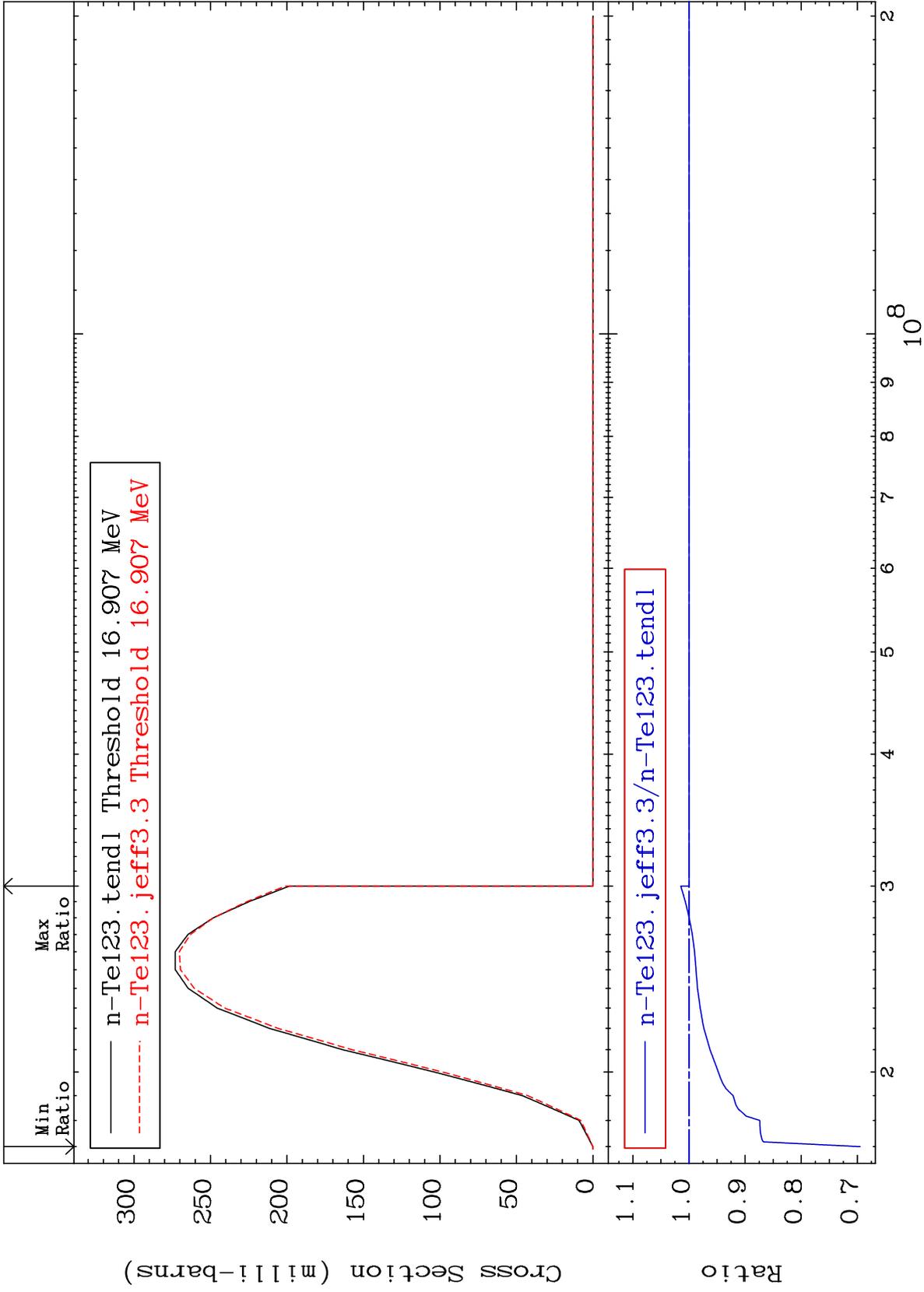
Radionuclide Production Cross Section -20.92 To 0.000 %



82

Incident Energy (MeV)

52-Te-123

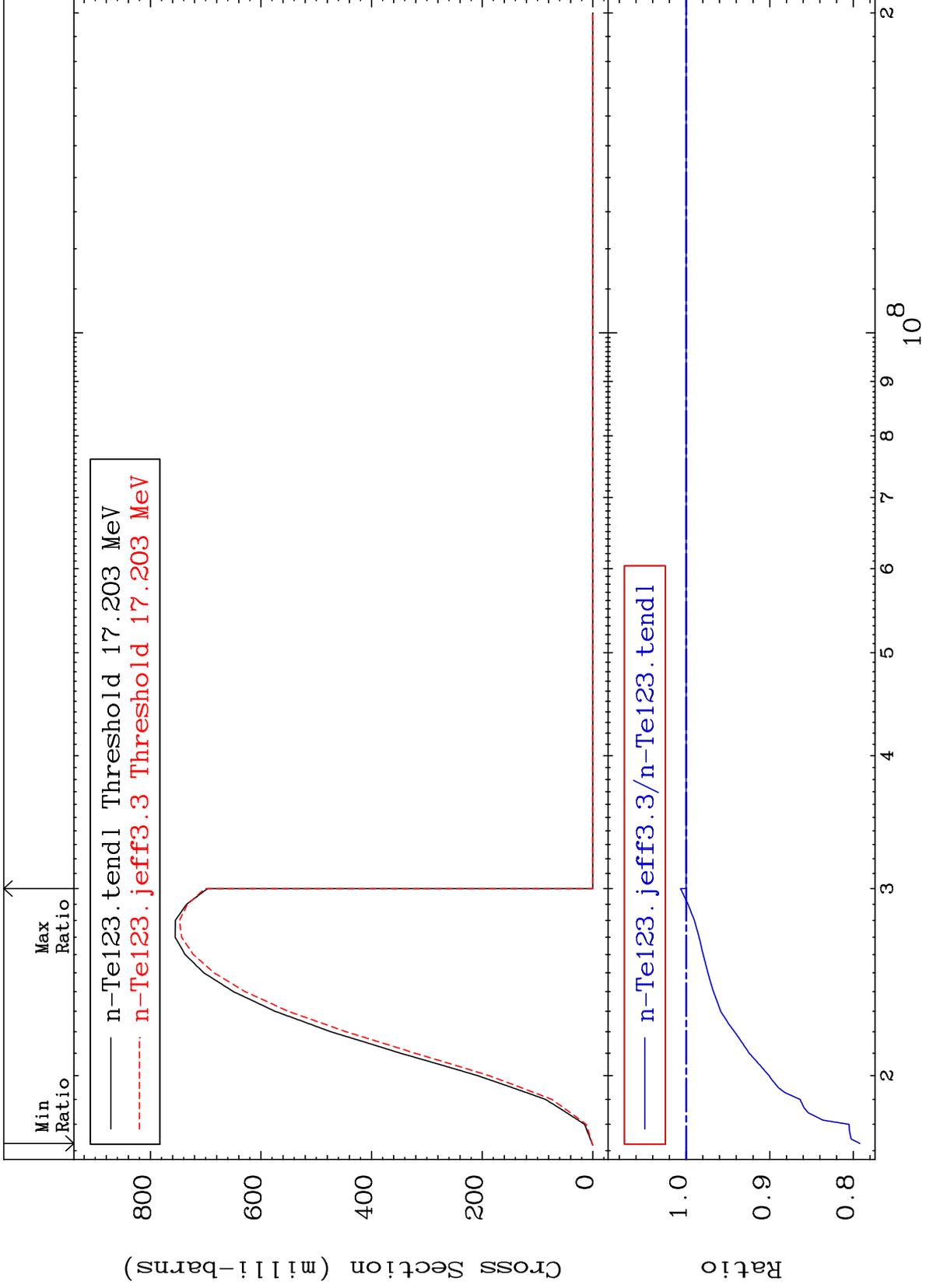


MAT 5234

(n, 3n) : 52-Te-121m2

52-Te-123

Radionuclide Production Cross Section -20.77 To 0.672 %



84

Incident Energy (eV)

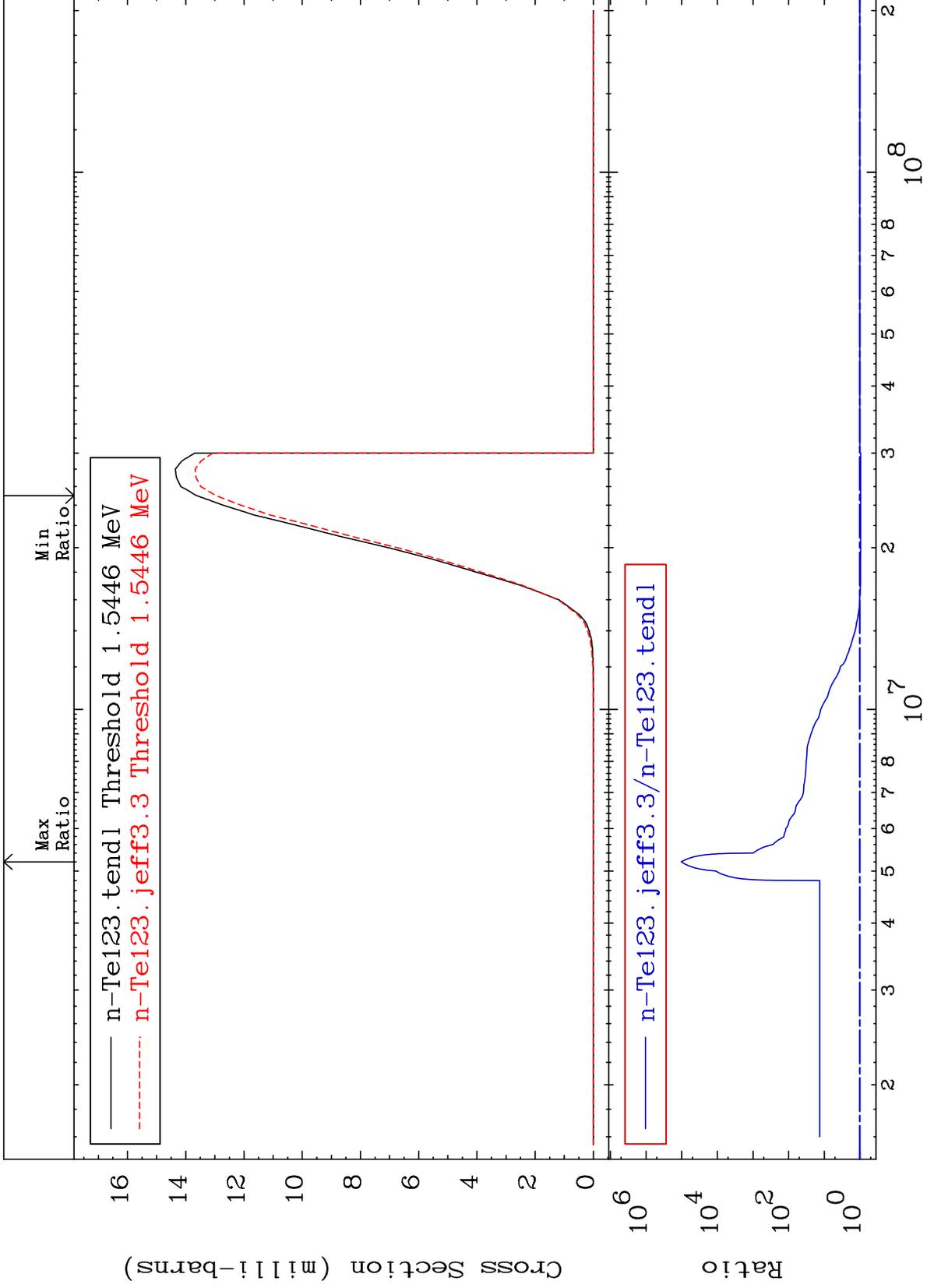
52-Te-123

MAT 5234

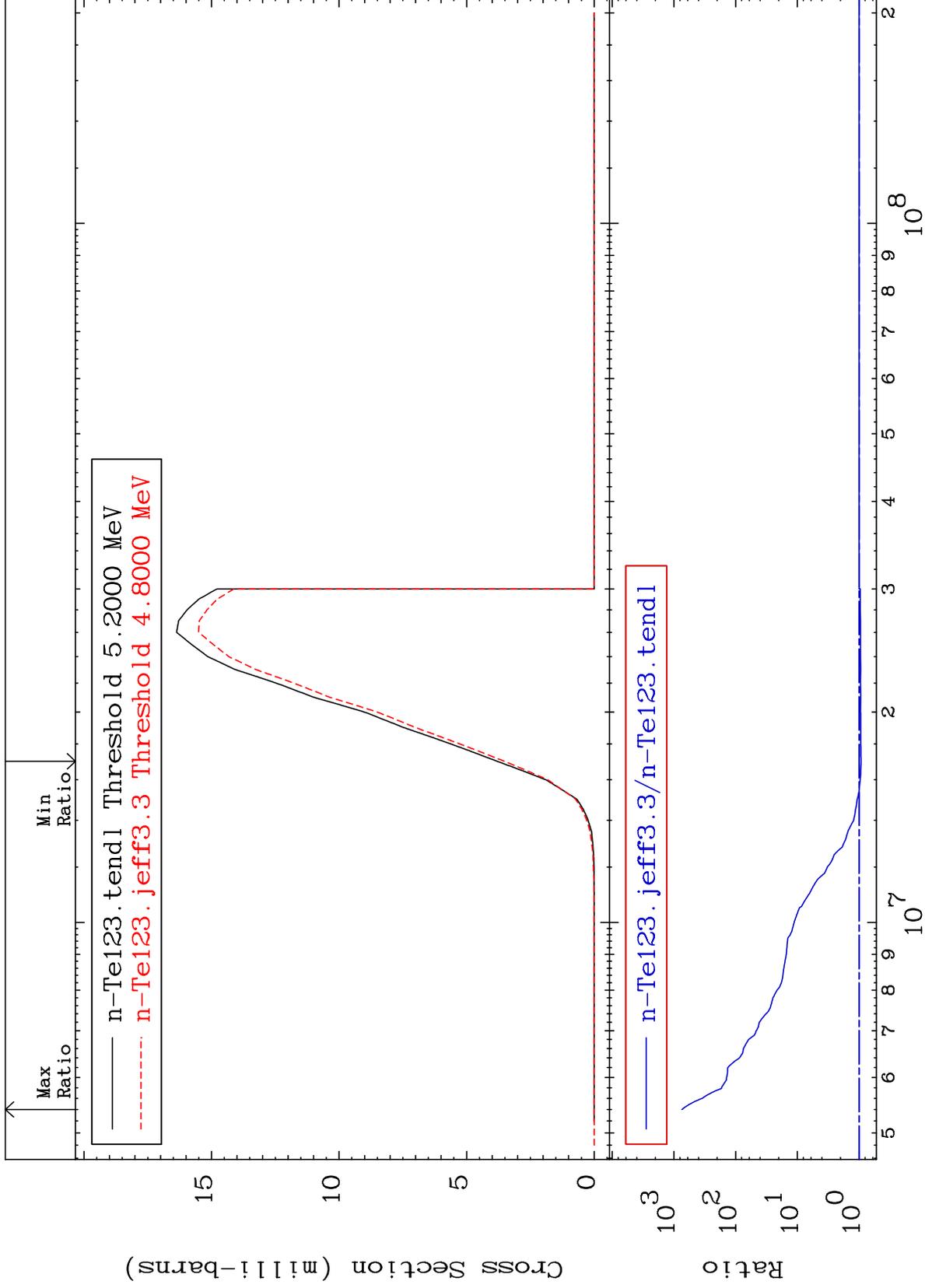
(n, n')  $\alpha$ :50-Sn-119g

52-Te-123

Radionuclide Production Cross Section -4.861 To 9999. %



Radionuclide Production Cross Section -7.487 To 9999. %

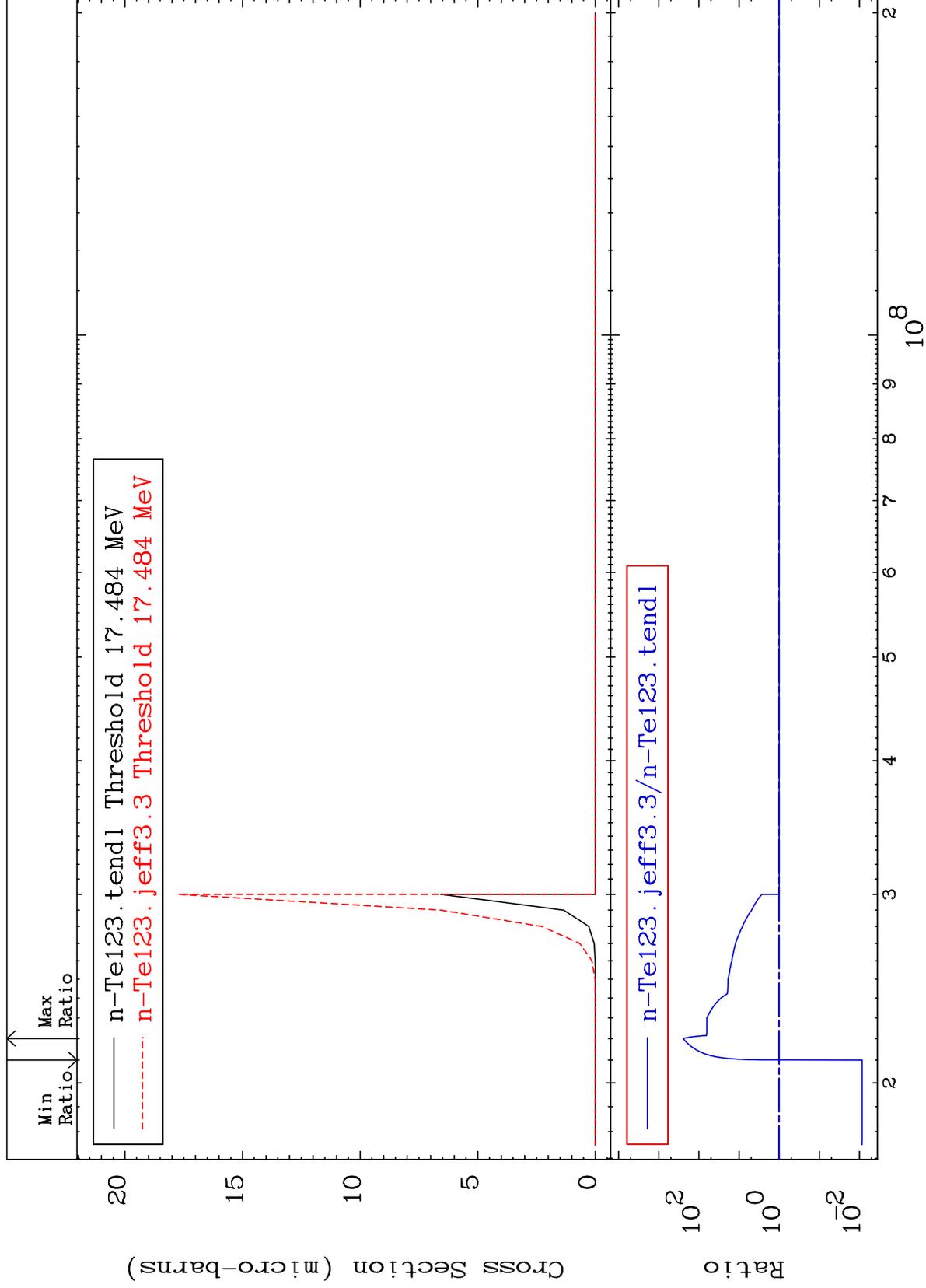


MAT 5234

(n,3n)  $\alpha$ :50-Sn-117g

52-Te-123

Radionuclide Production Cross Section -99.14 To 9999. %



87

Incident Energy (eV)

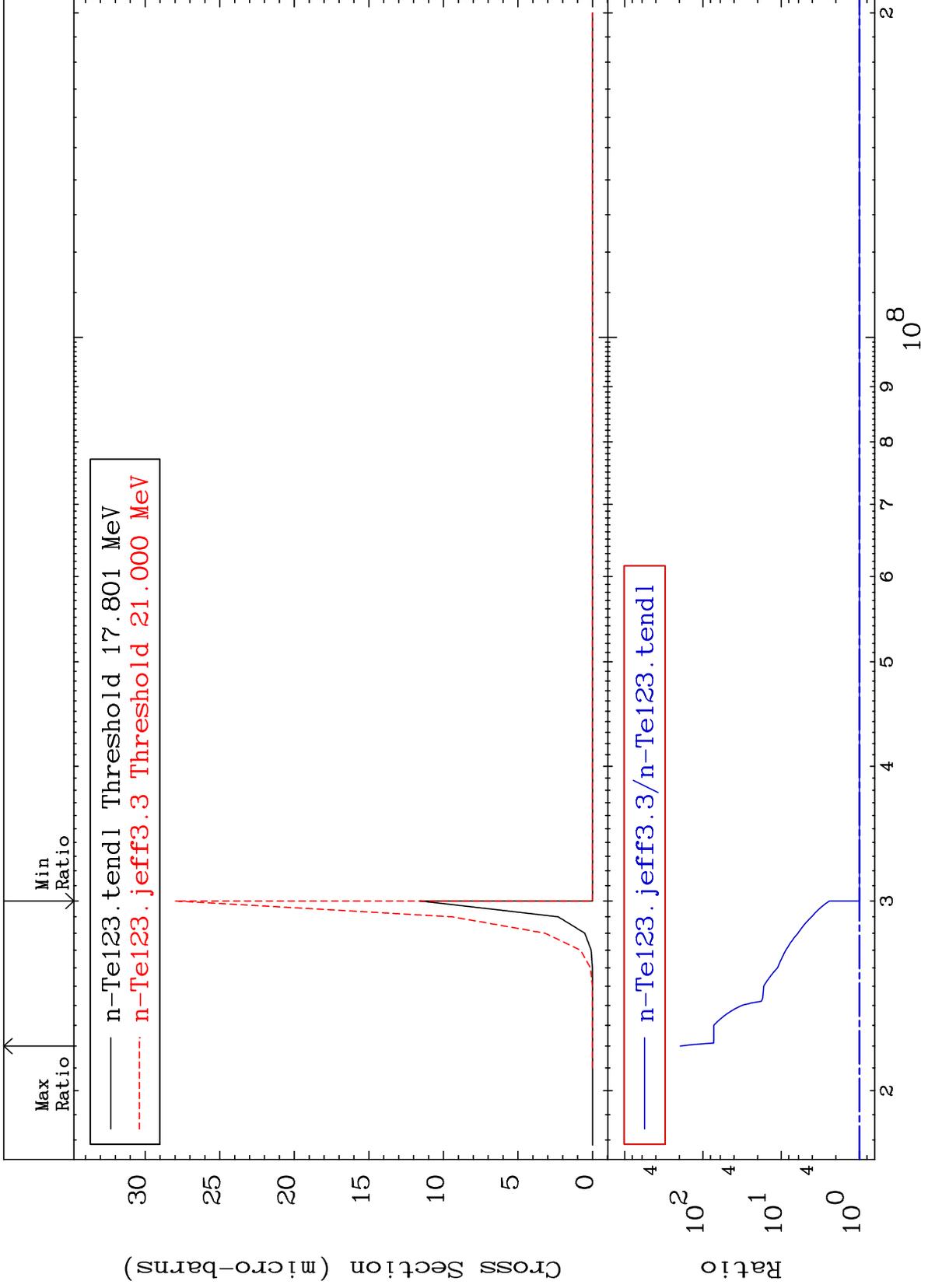
52-Te-123

MAT 5234

(n,3n)  $\alpha$ :50-Sn-117m2

52-Te-123

Radionuclide Production Cross Section 0.000 To 9999. %

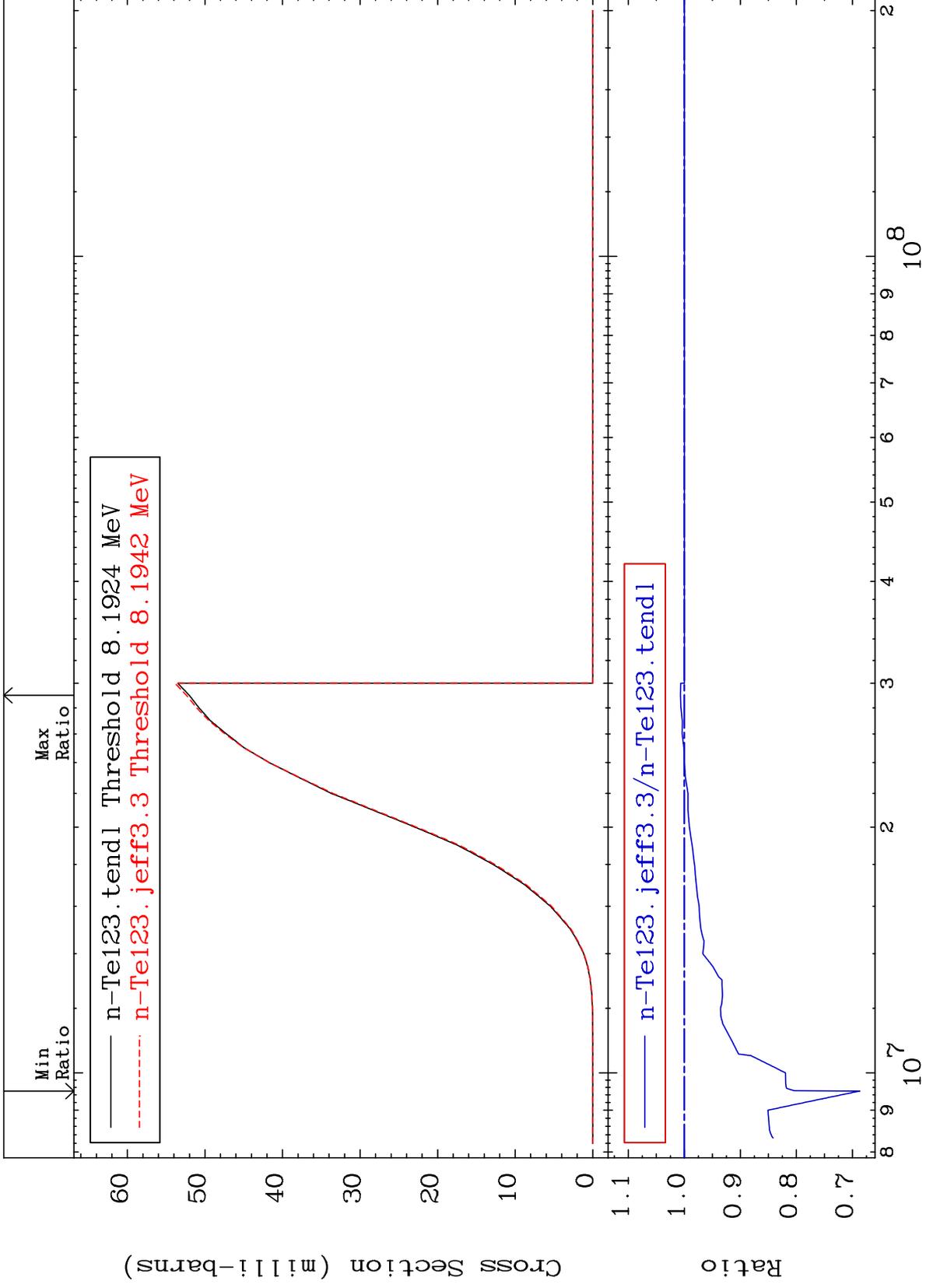


MAT 5234

(n, n') p:51-Sb-122g

52-Te-123

Radionuclide Production Cross Section -31.32 To 0.685 %



89

Incident Energy (eV)

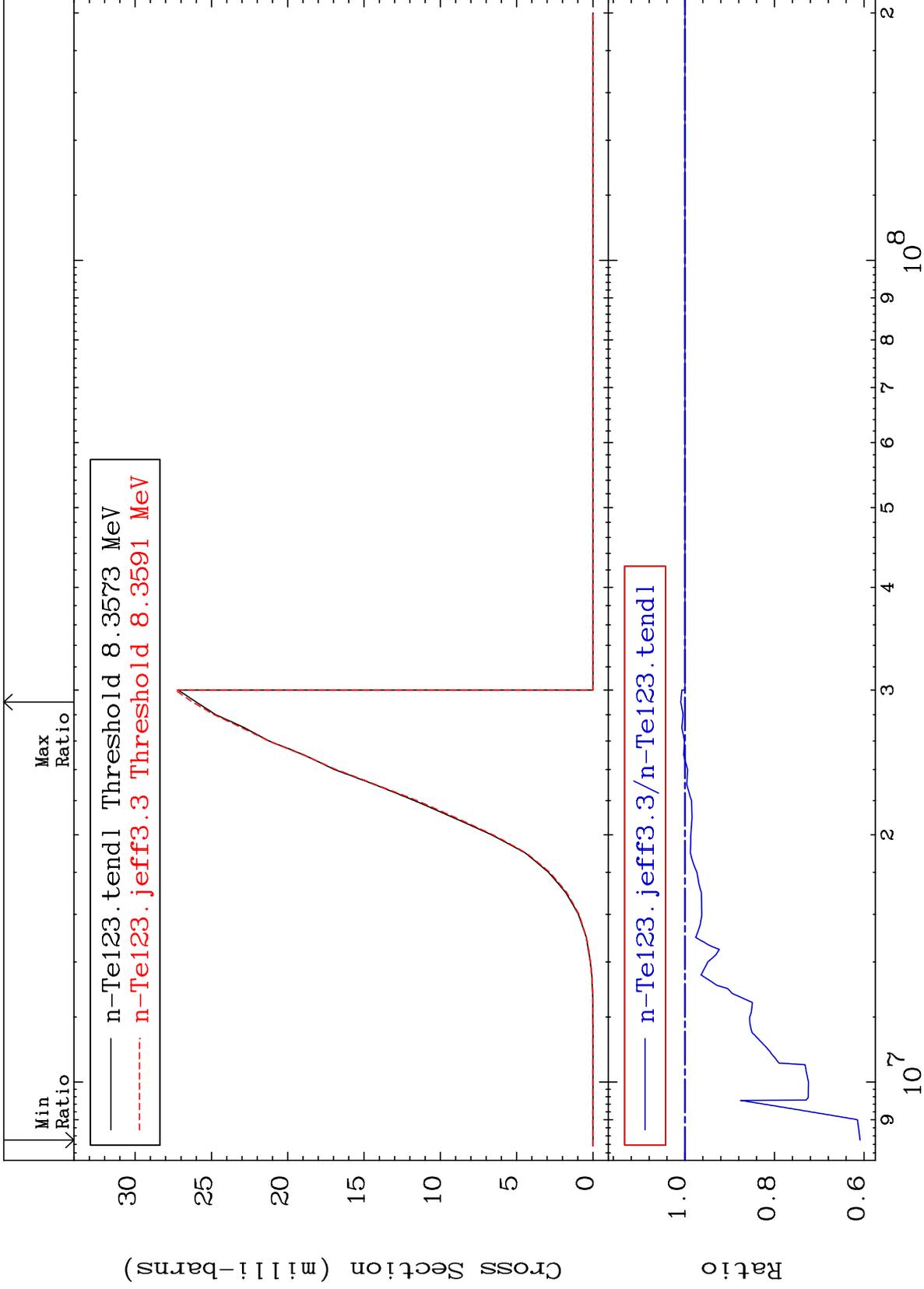
52-Te-123

MAT 5234

(n, n') p:51-Sb-122m5

52-Te-123

Radionuclide Production Cross Section -39.11 To 0.931 %



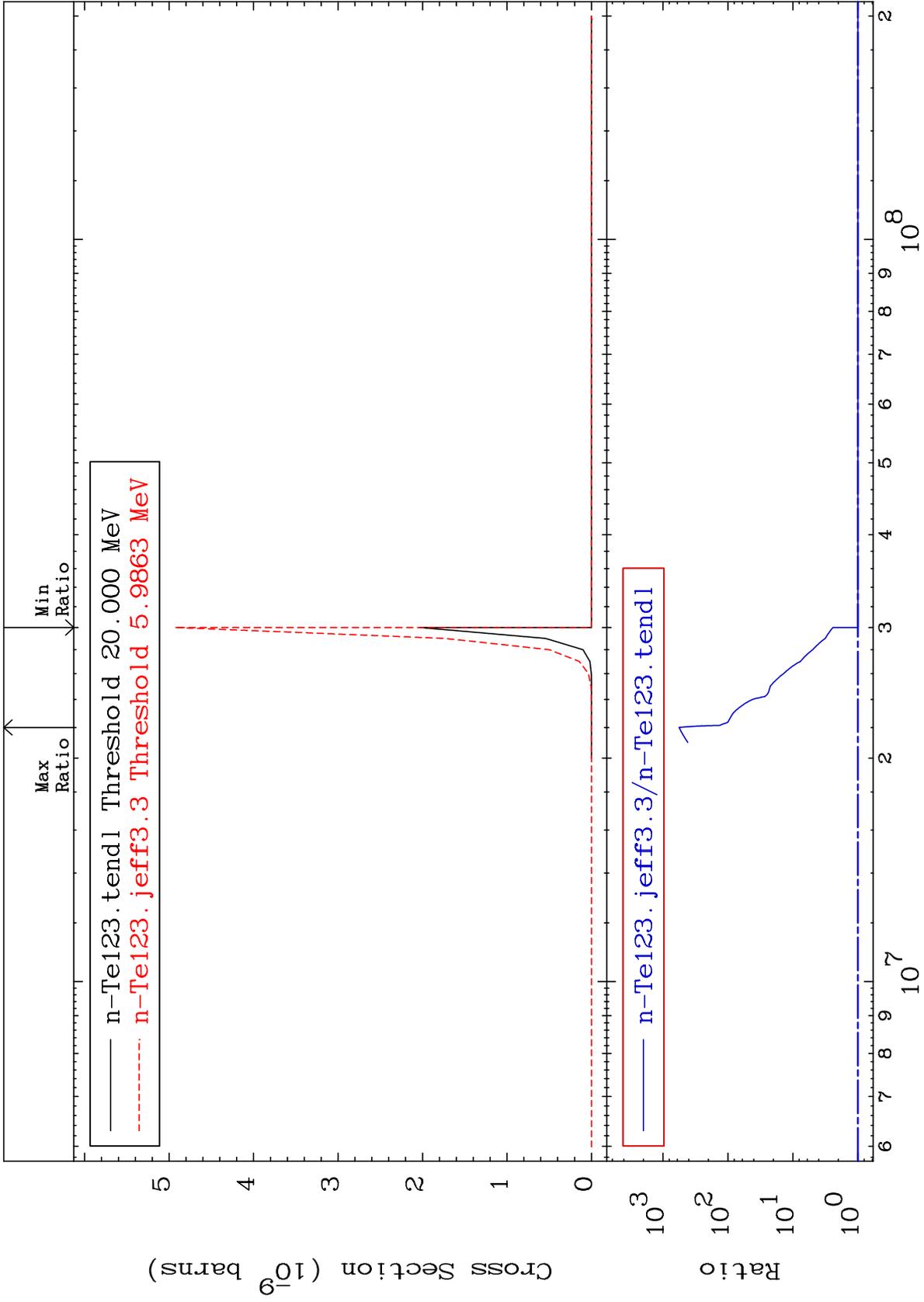
90

Incident Energy (eV)

52-Te-123

MAT 5234

(n, n') 2α:48-Cd-115g 52-Te-123  
Radionuclide Production Cross Section 0.000 To 9999. %

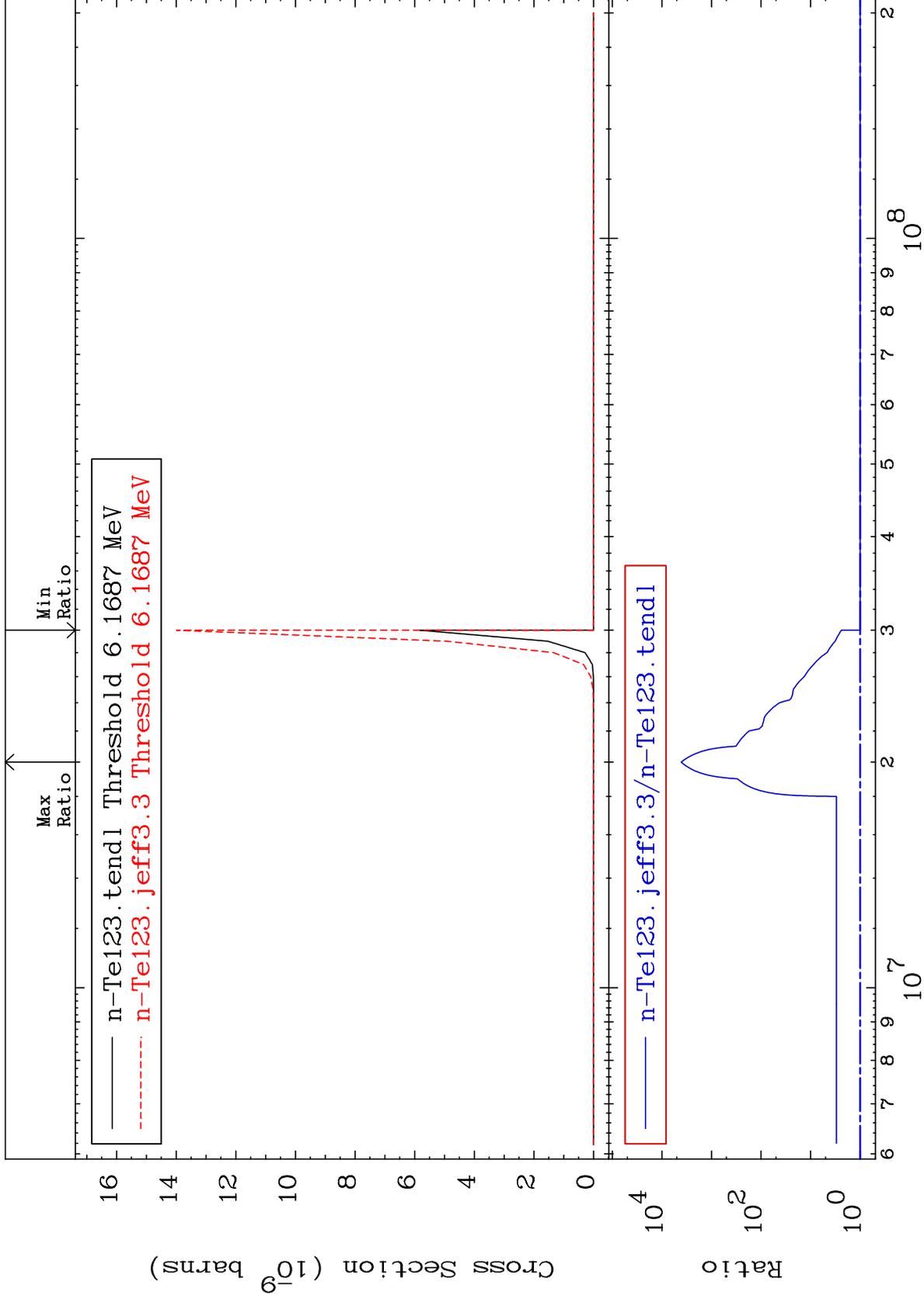


MAT 5234

(n, n') 2α: 48-Cd-115m1

52-Te-123

Radionuclide Production Cross Section 0.000 To 9999. %



92

Incident Energy (eV)

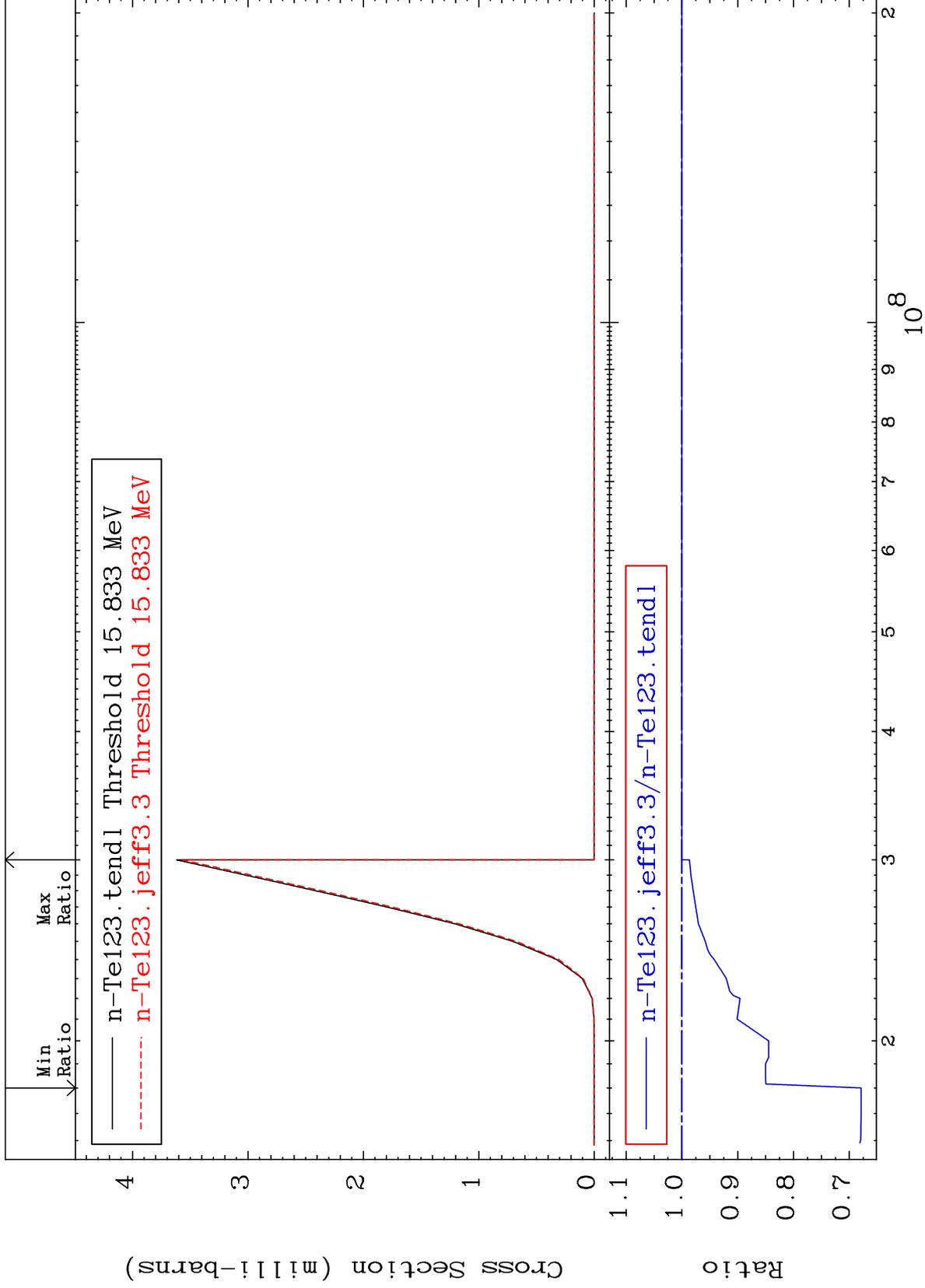
52-Te-123

MAT 5234

(n, n') t:51-Sb-120g

52-Te-123

Radionuclide Production Cross Section -32.12 To 0.000 %



93

Incident Energy (eV)

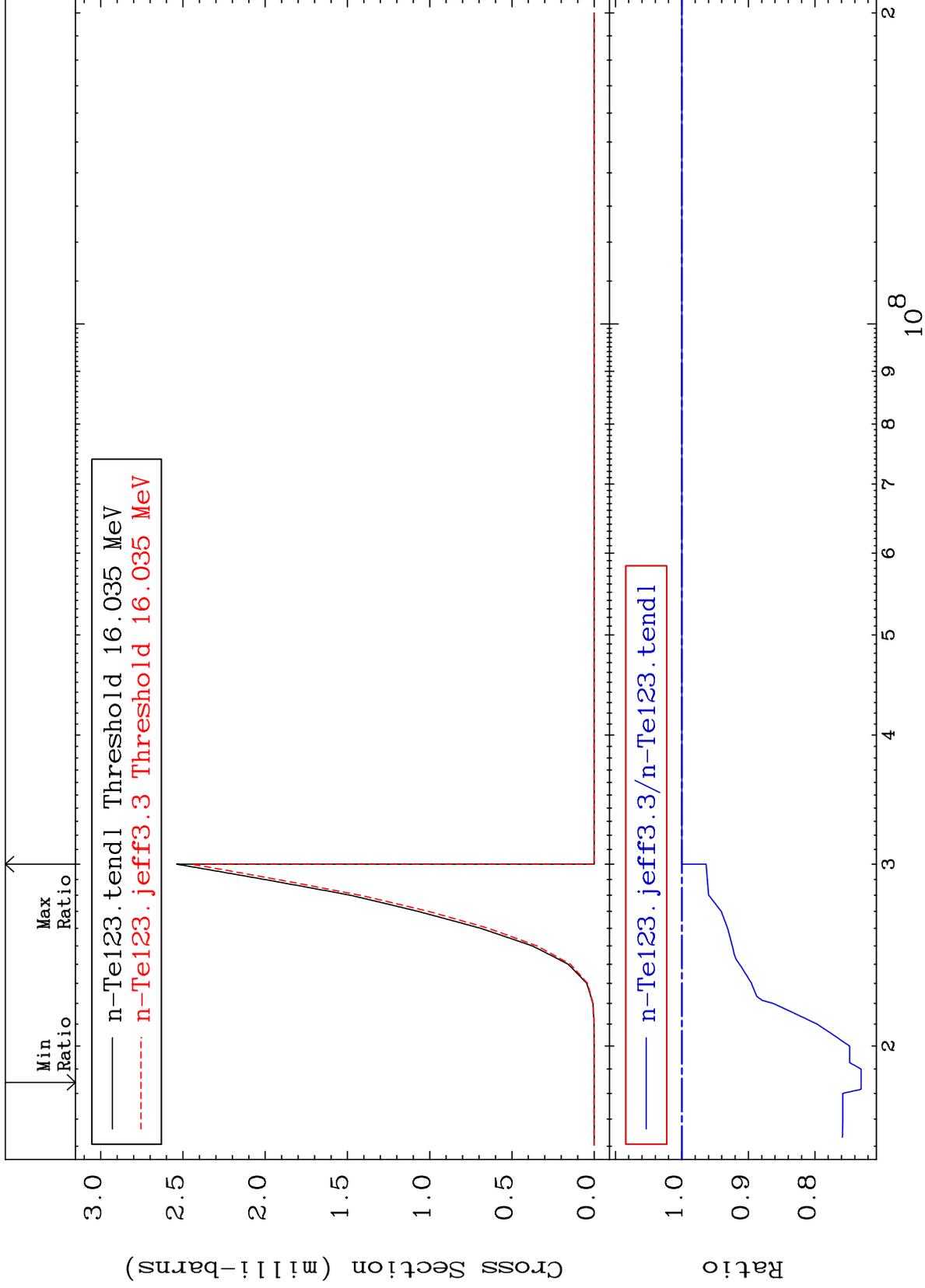
52-Te-123

MAT 5234

(n, n') t:51-Sb-120m6

52-Te-123

Radionuclide Production Cross Section -26.95 To 0.000 %

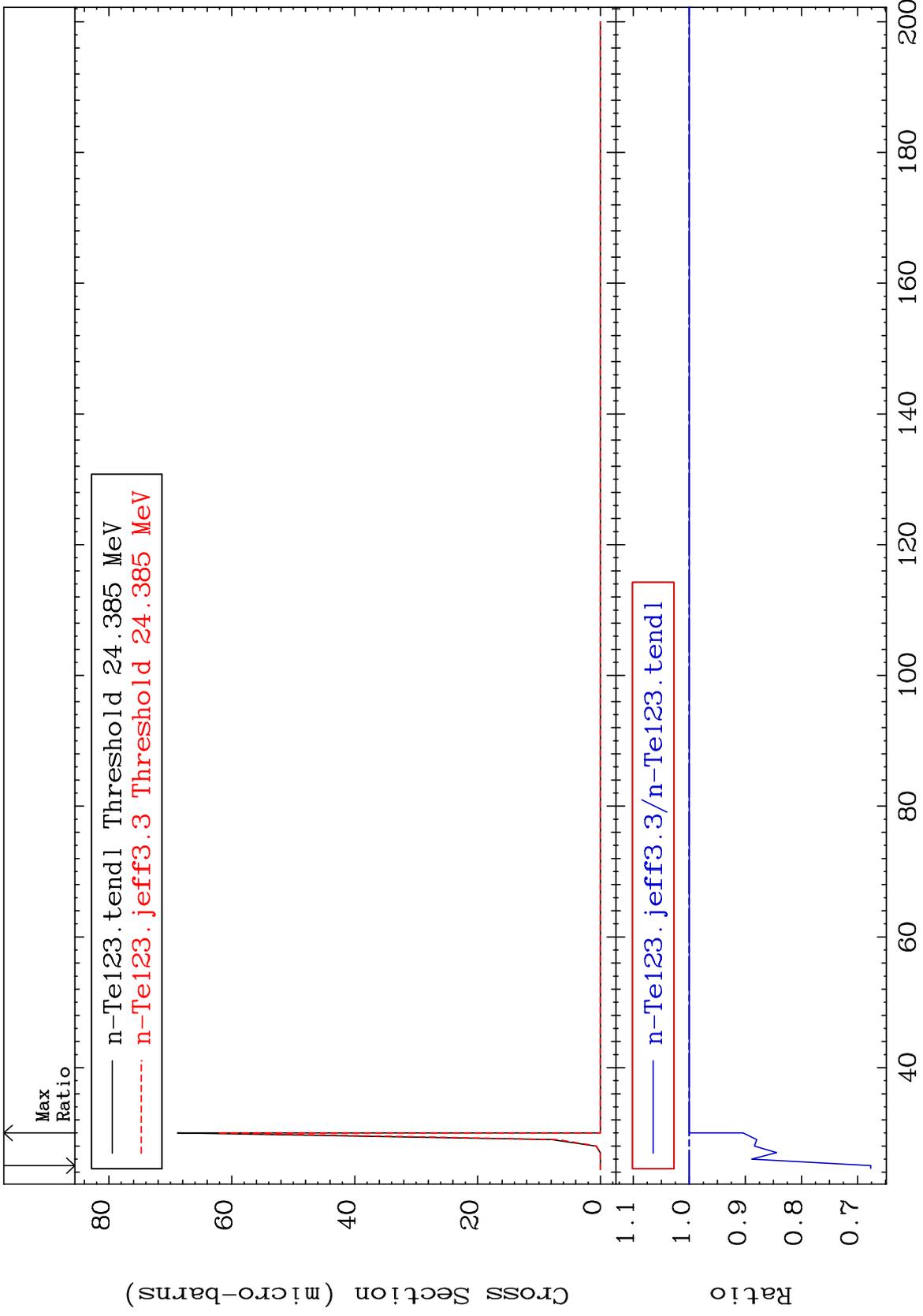


MAT 5234

(n,3n) p:51-Sb-120g

52-Te-123

Radionuclide Production Cross Section -32.39 To 0.000 %



95

Incident Energy (MeV)

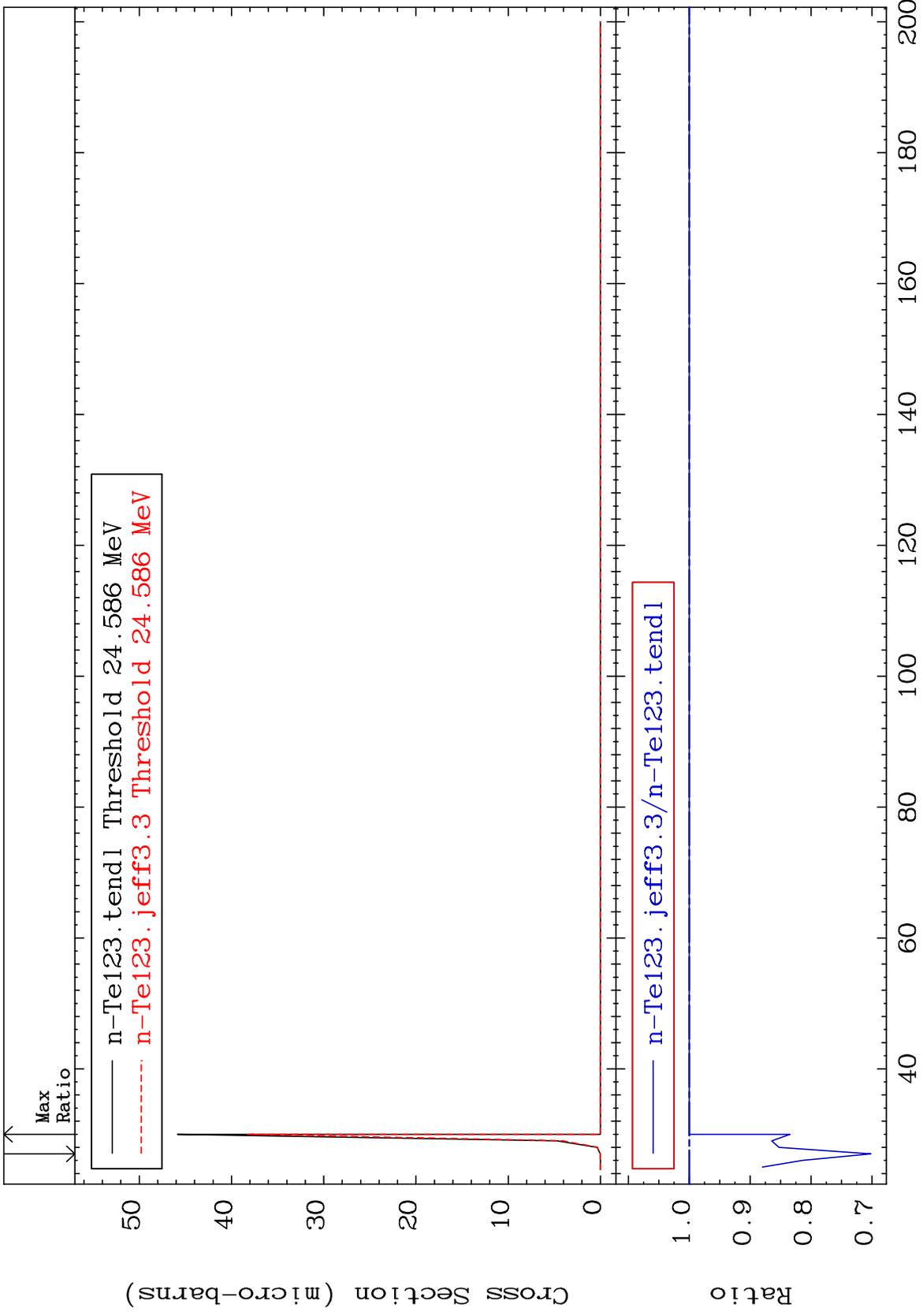
52-Te-123

MAT 5234

(n, 3n) p:51-Sb-120m6

52-Te-123

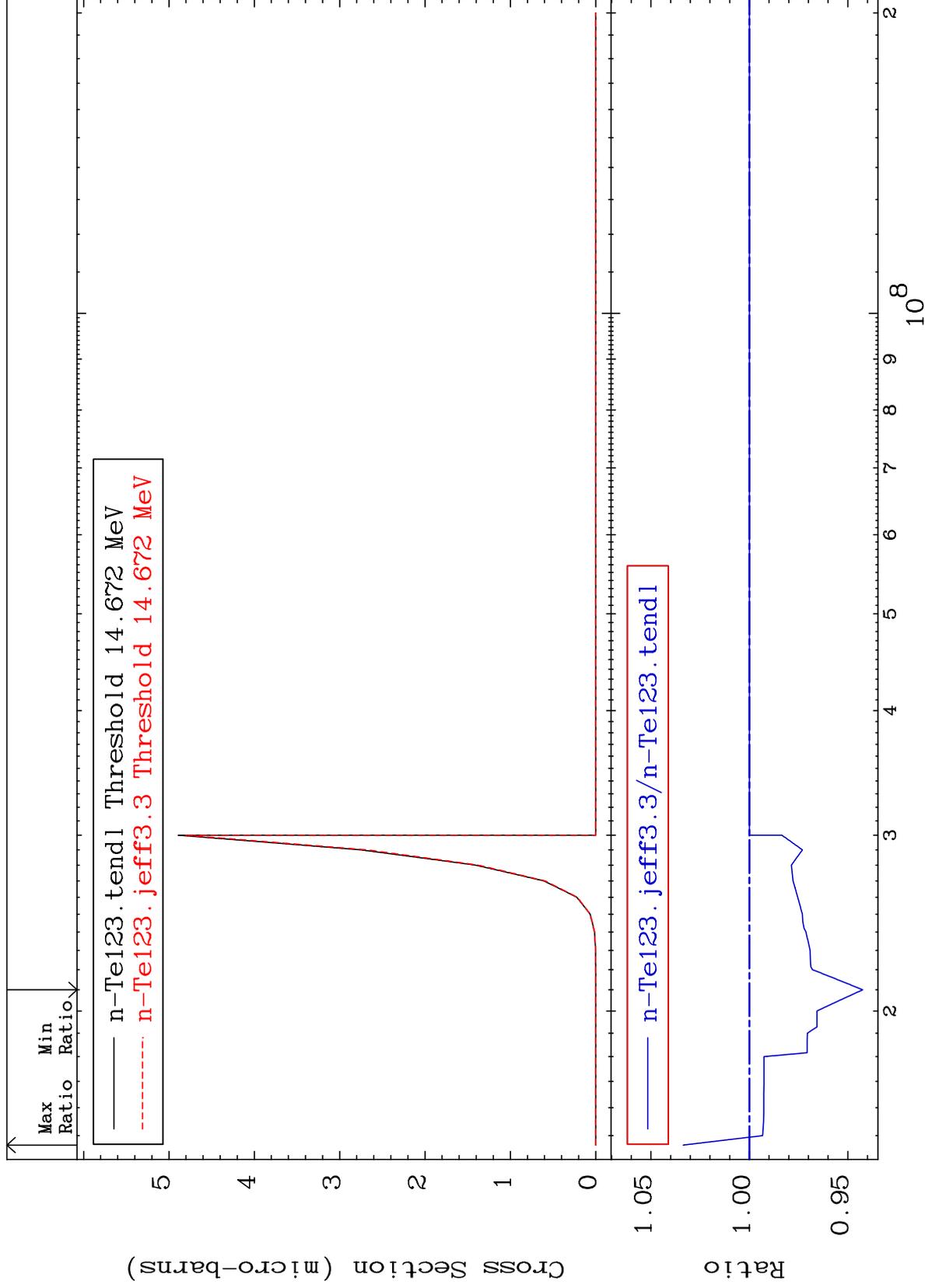
Radionuclide Production Cross Section -29.84 To 0.000 %



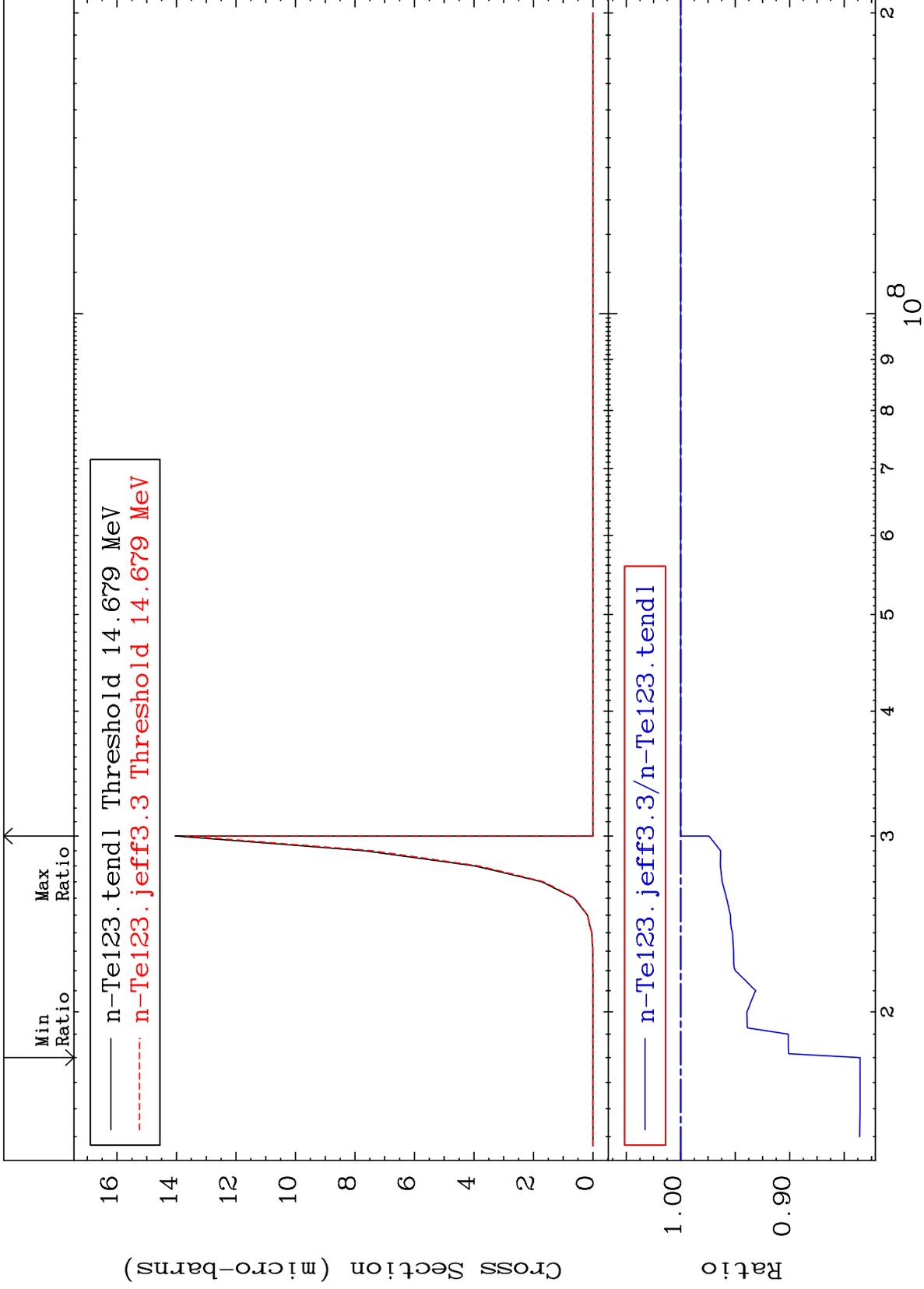
MAT 5234

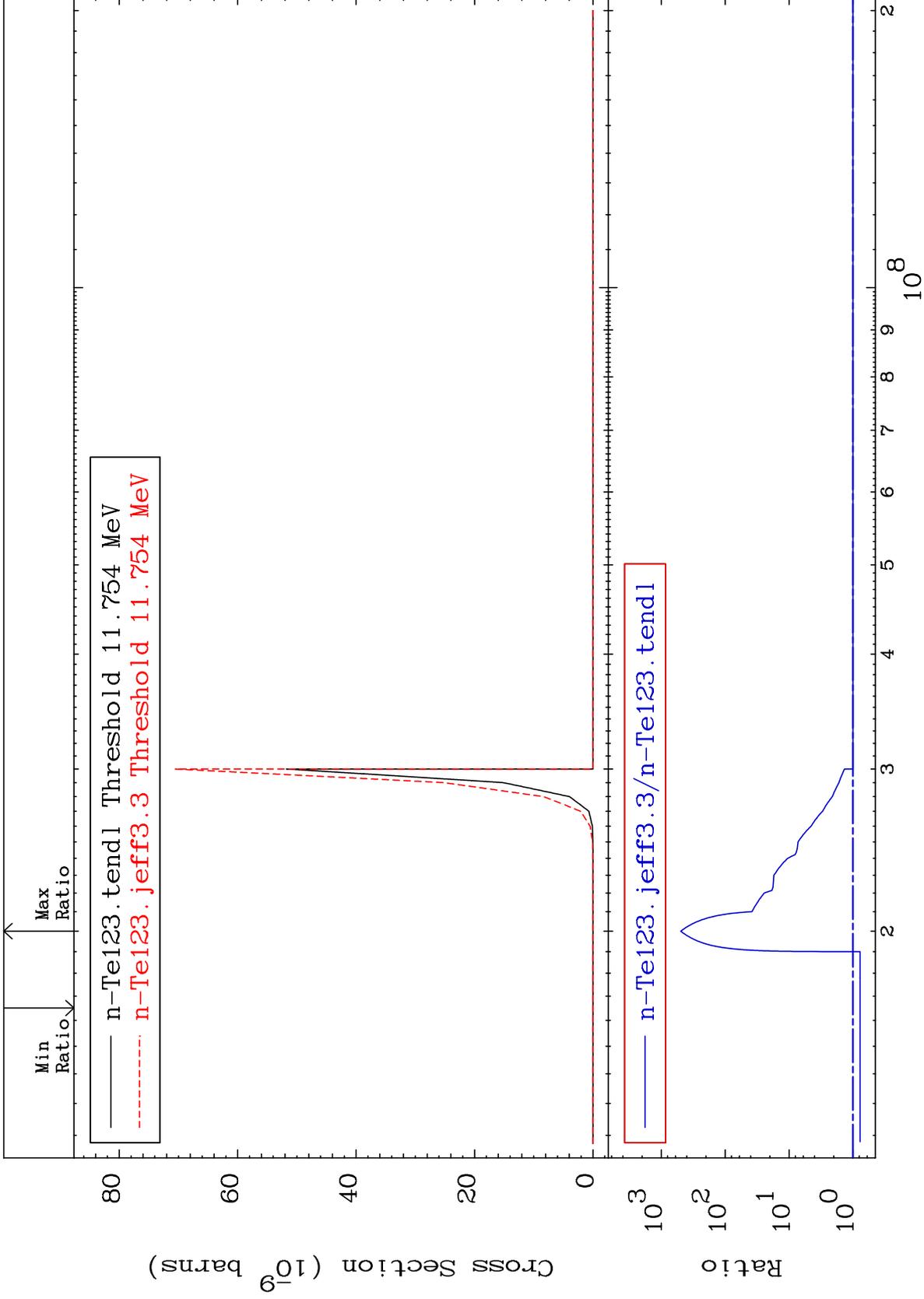
(n,2n) p:50-Sn-121g 52-Te-123

Radionuclide Production Cross Section -5.755 To 3.347 %



Radionuclide Production Cross Section -16.46 To 0.000 %



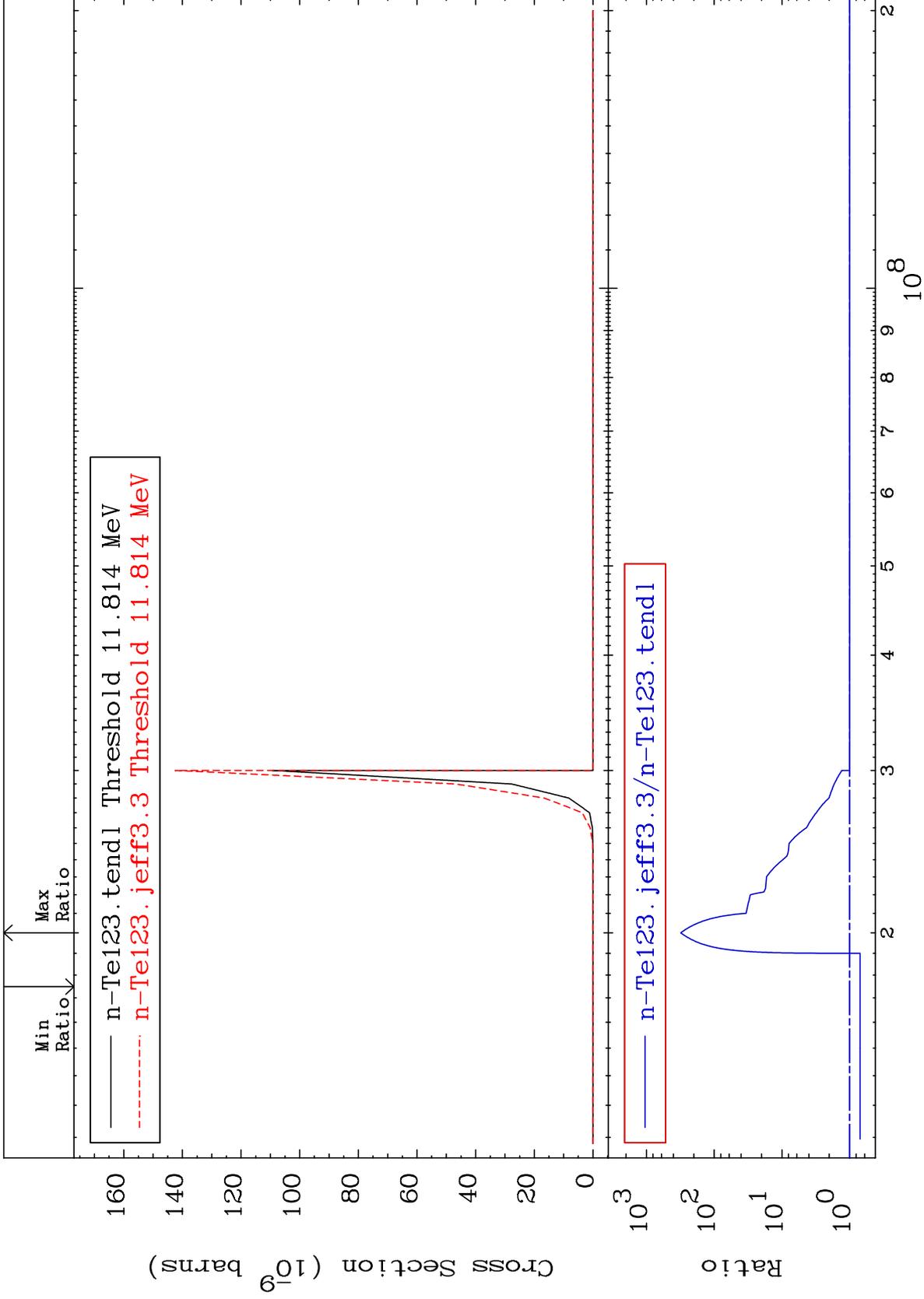


MAT 5234

(n, n') p  $\alpha$ :49-In-118m1

52-Te-123

Radionuclide Production Cross Section -29.97 To 9999. %



100

Incident Energy (eV)

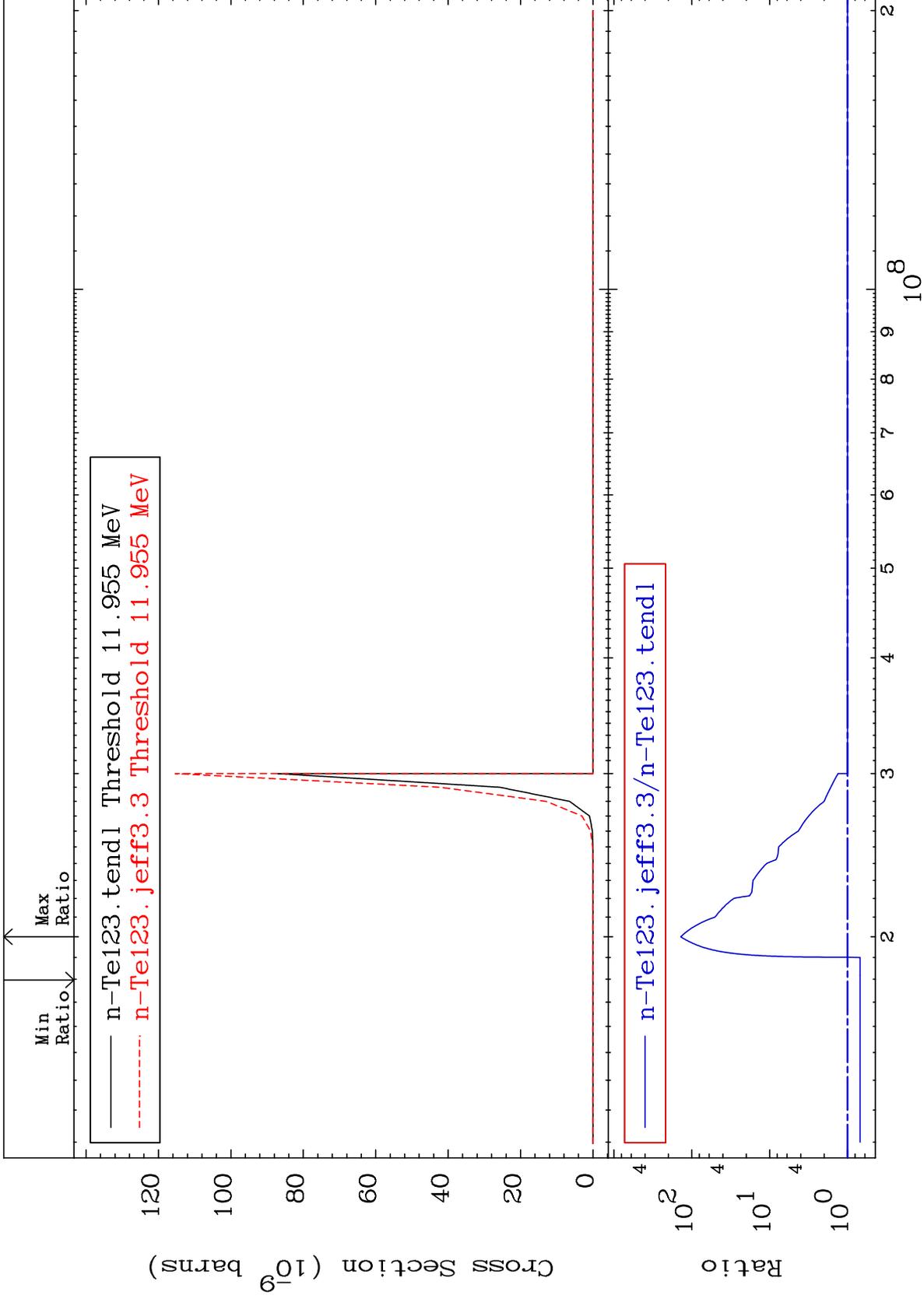
52-Te-123

MAT 5234

(n, n') p  $\alpha$ :49-In-118m3

52-Te-123

Radionuclide Production Cross Section -30.93 To 9999. %



101

Incident Energy (eV)

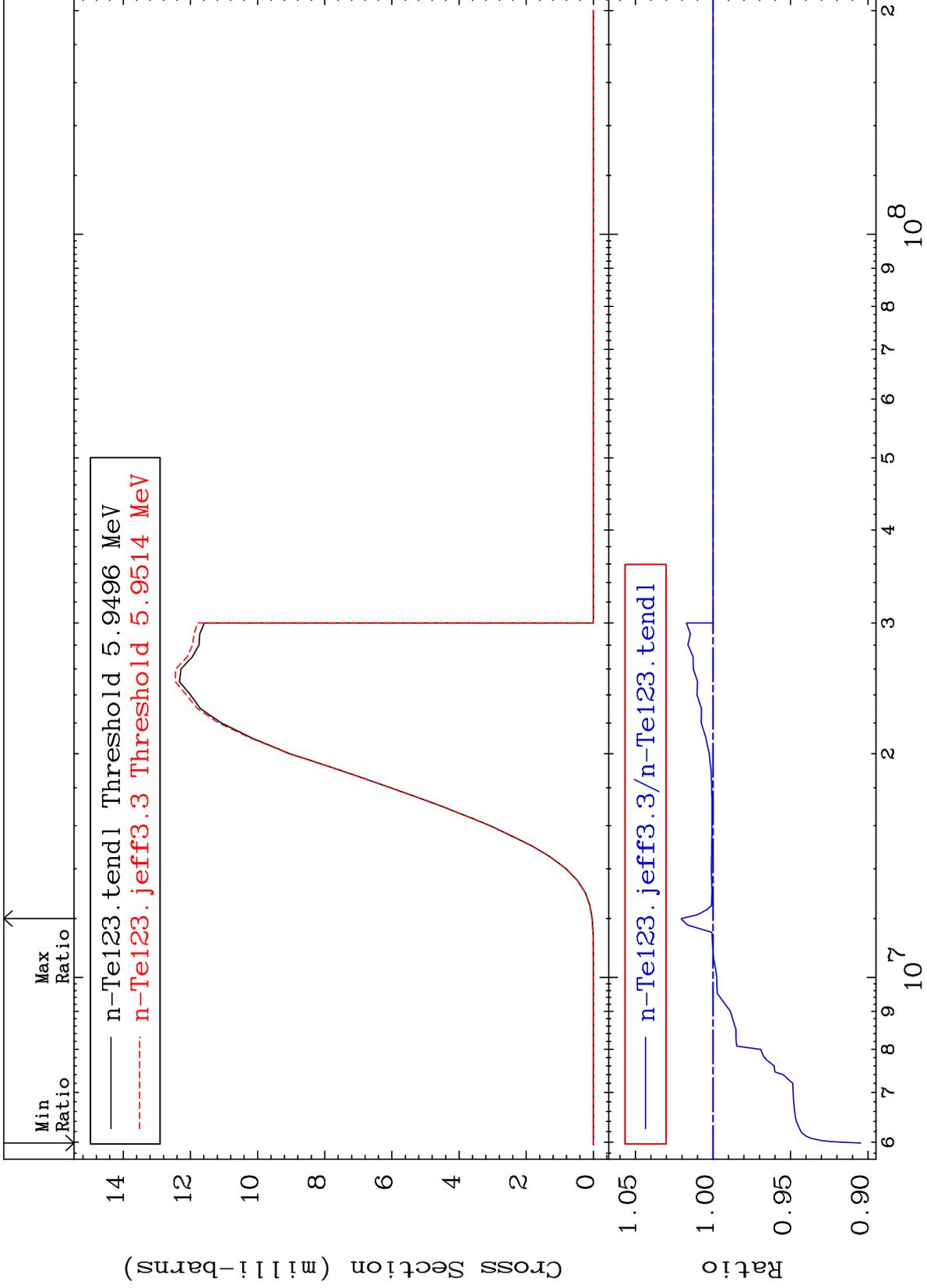
52-Te-123

MAT 5234

(n,d):51-Sb-122g

52-Te-123

Radionuclide Production Cross Section -9.532 To 2.046 %



102

Incident Energy (eV)

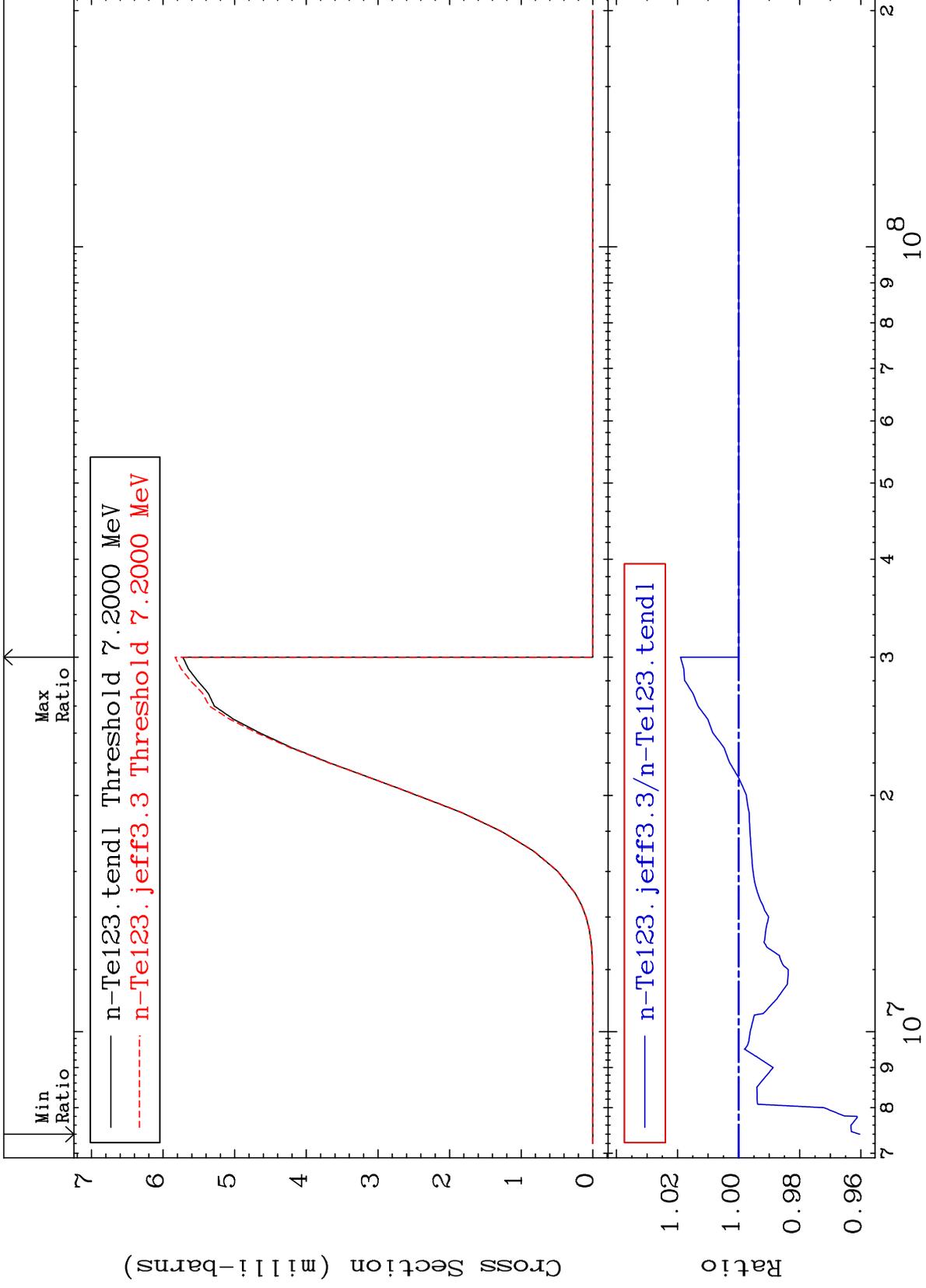
52-Te-123

MAT 5234

(n, d):51-Sb-122m5

52-Te-123

Radionuclide Production Cross Section -3.965 To 1.903 %



103

Incident Energy (eV)

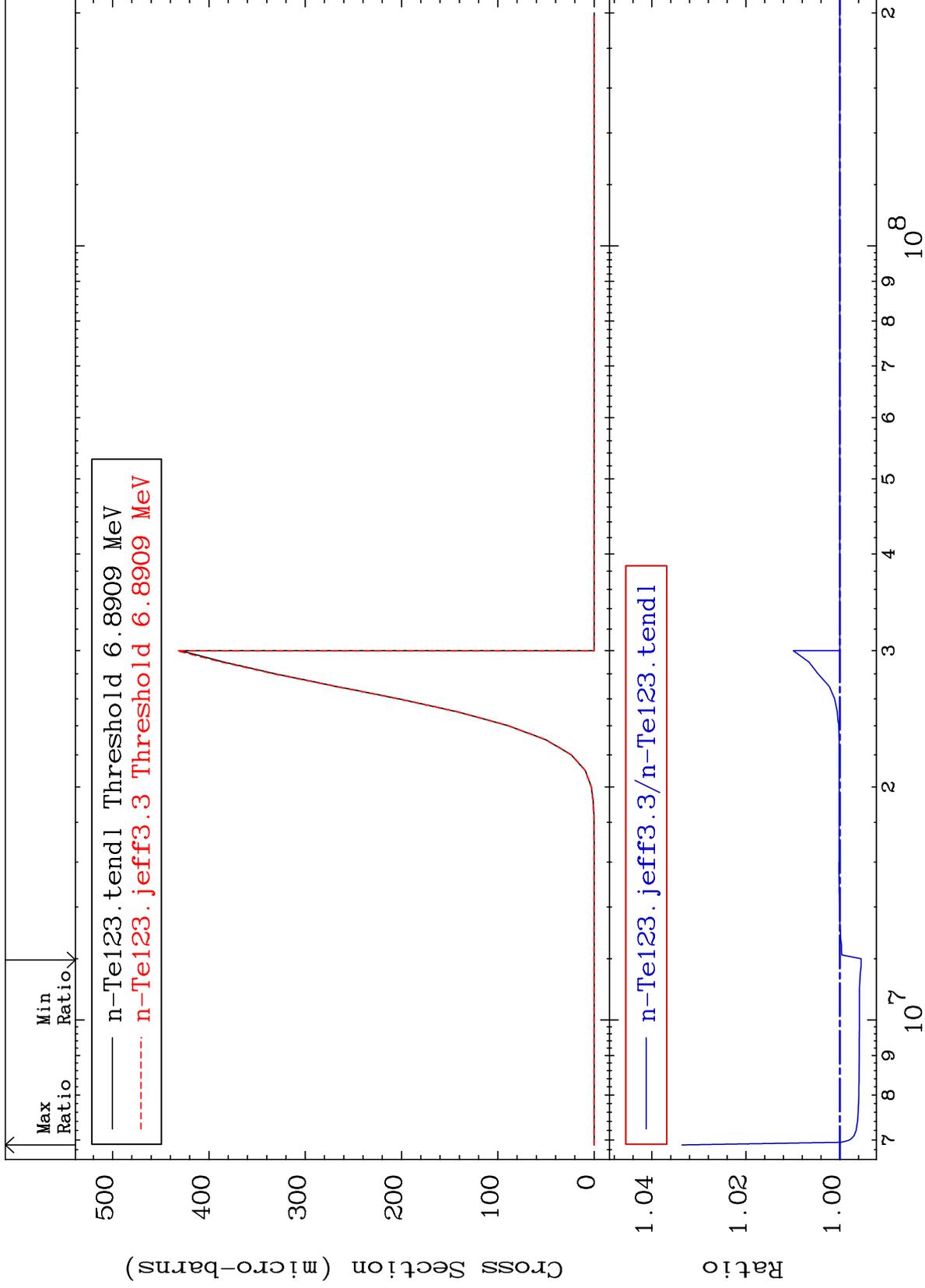
52-Te-123

MAT 5234

(n,He-3):50-Sn-121g

52-Te-123

Radionuclide Production Cross Section -0.452 To 3.362 %



104

52-Te-123

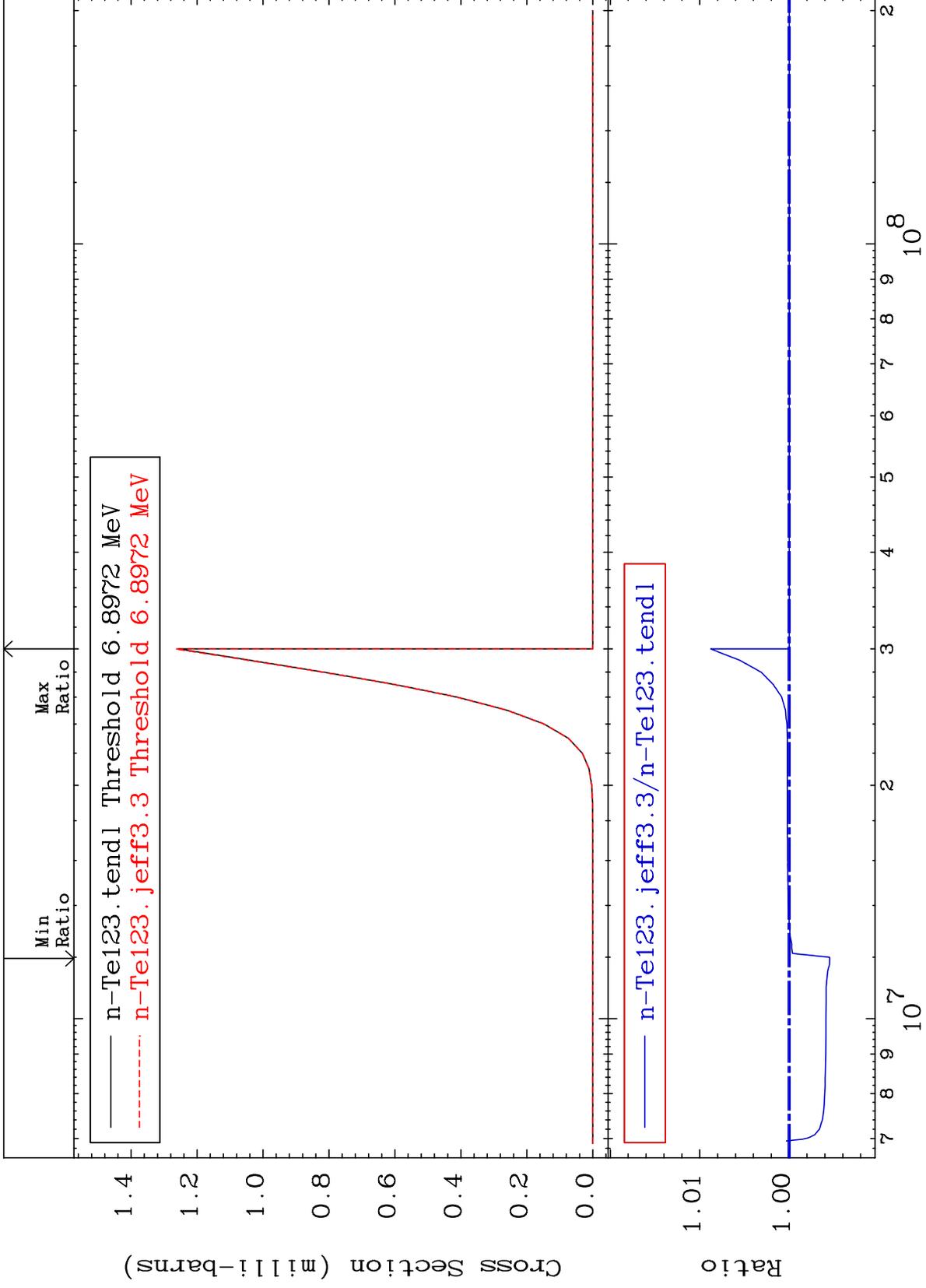
MAT 5234

(n,He-3):50-Sn-121m1

52-Te-123

Radionuclide Production Cross Section

-0.452 To 0.878 %



105

Incident Energy (eV)

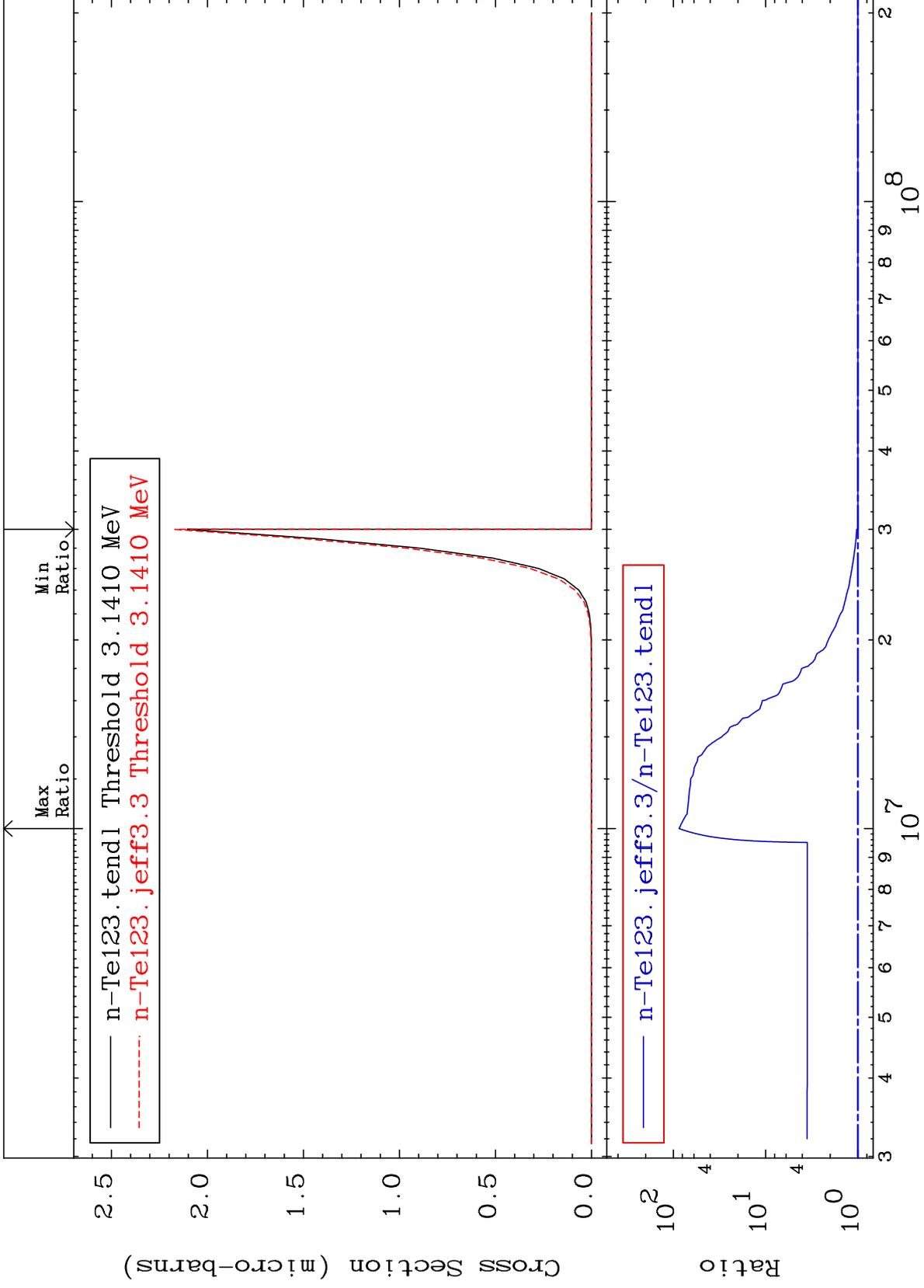
52-Te-123

MAT 5234

(n, p)  $\alpha$ : 49-In-119g

52-Te-123  
To 8594. %

Radionuclide Production Cross Section 0.000



106

Incident Energy (eV)

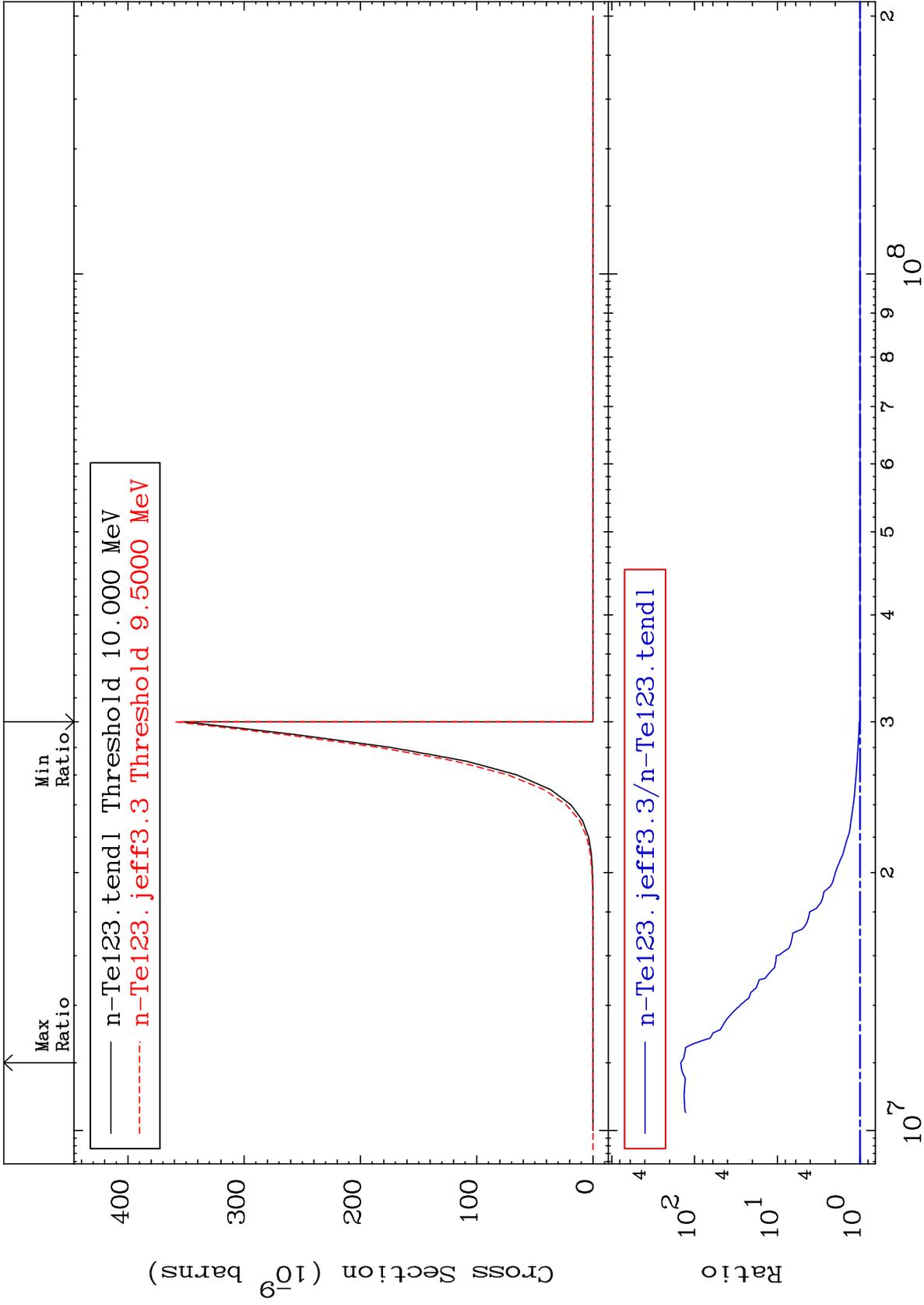
52-Te-123

MAT 5234

(n,p)  $\alpha$ :49-In-119m1

52-Te-123

Radionuclide Production Cross Section 0.000 To 9999. %



Incident Energy (eV)

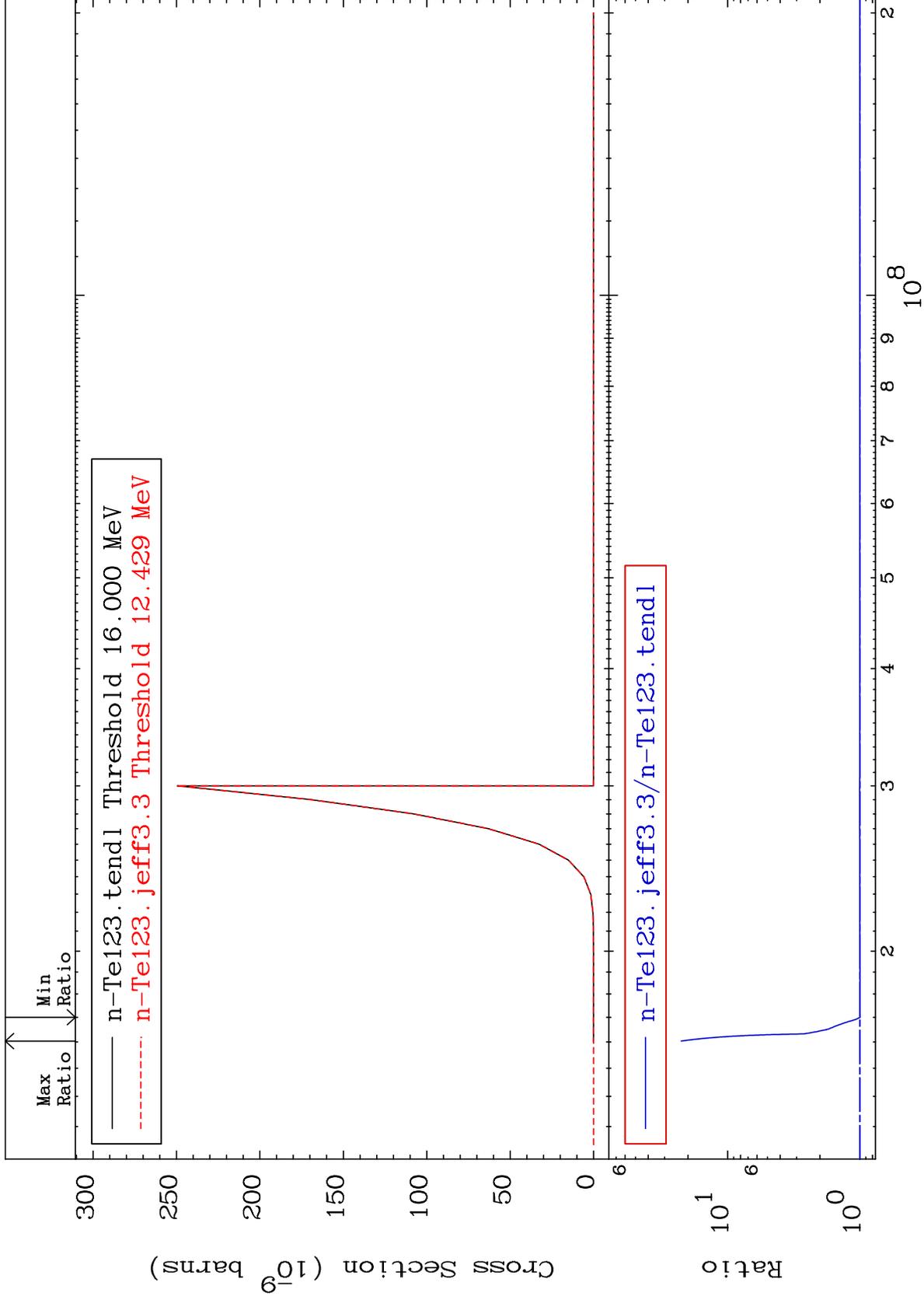
52-Te-123

MAT 5234

(n, p) d:50-Sn-121g

52-Te-123

Radionuclide Production Cross Section -0.879 To 2151. %

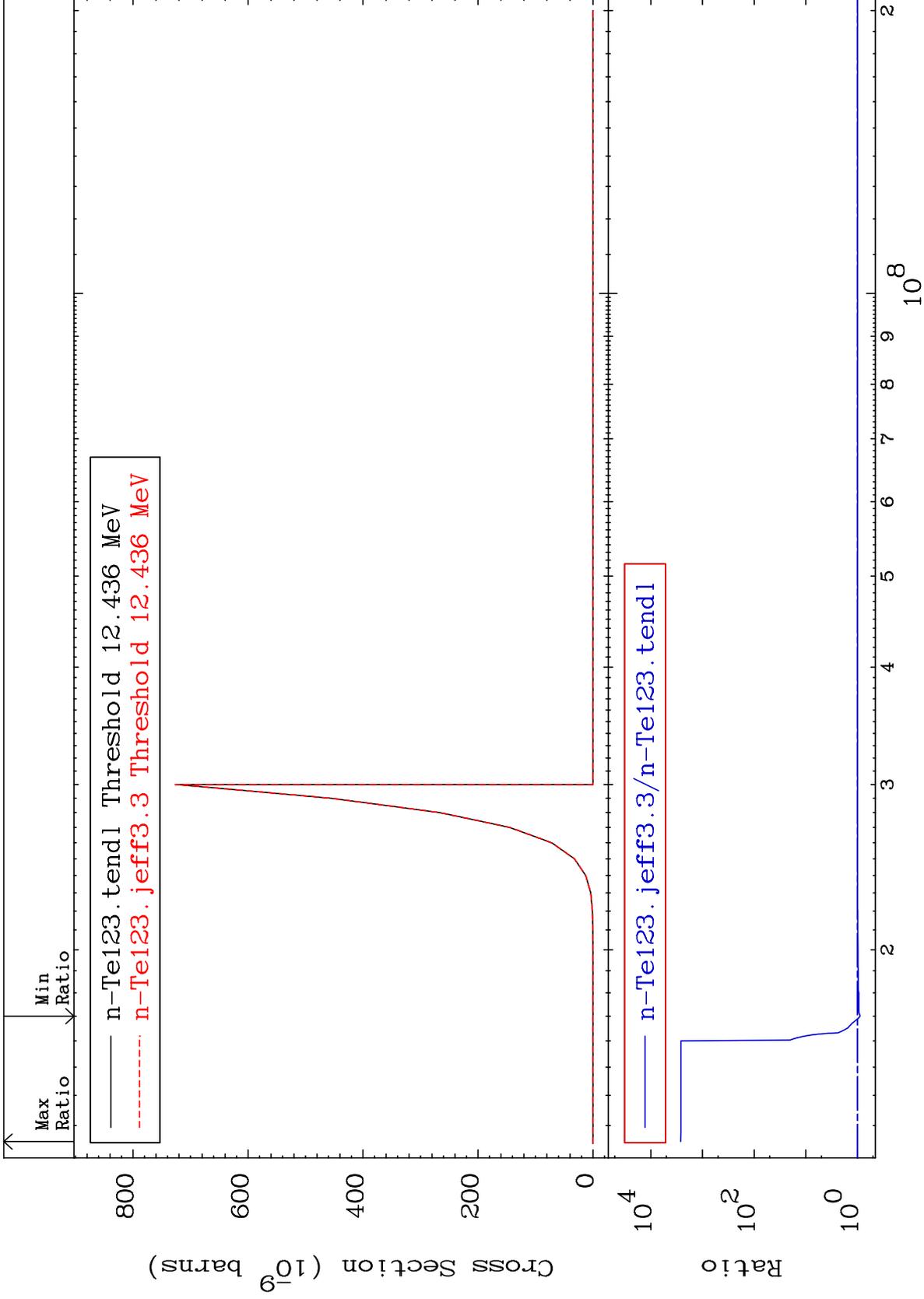


108

Incident Energy (eV)

52-Te-123

Radionuclide Production Cross Section -10.75 To 9999. %

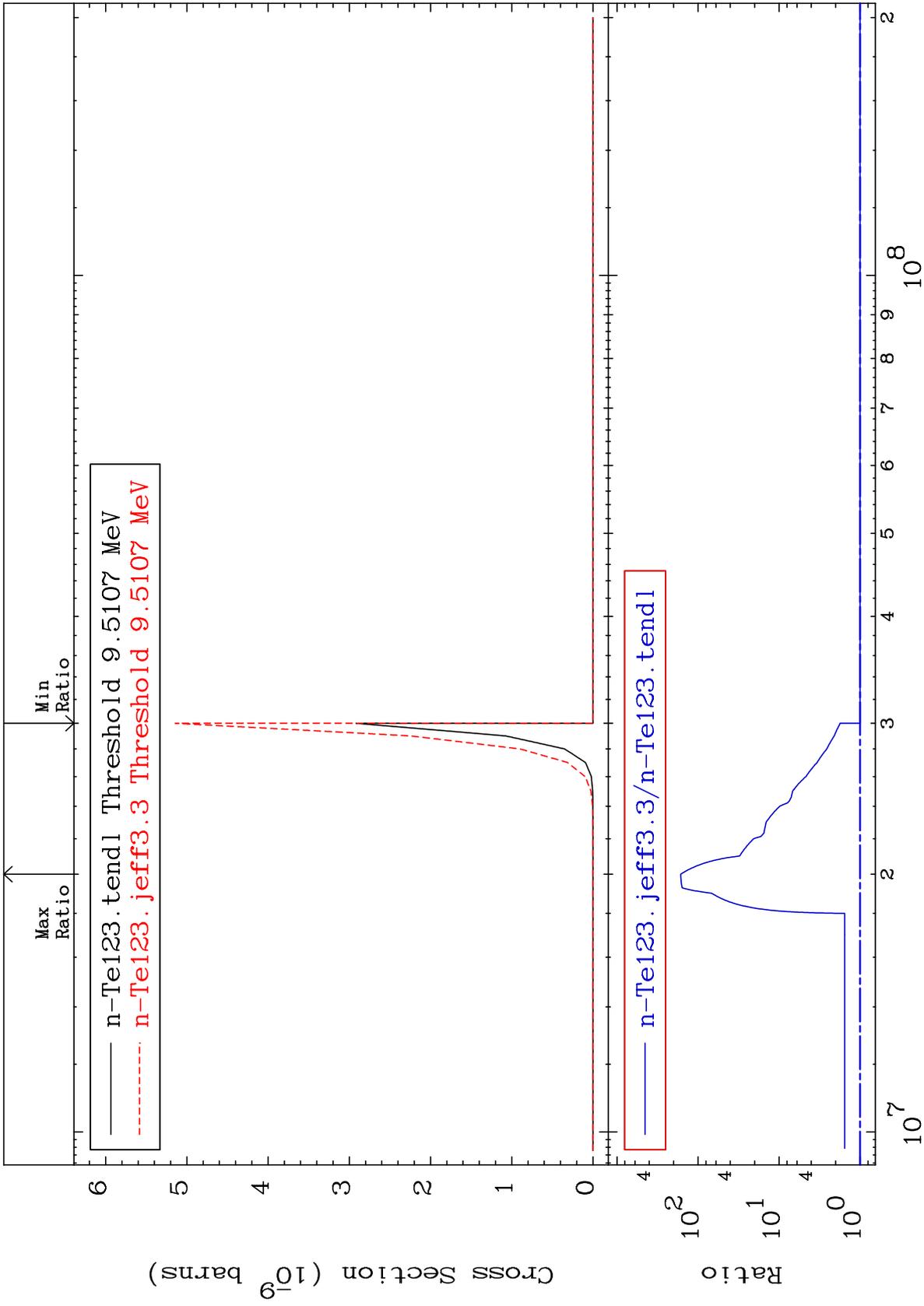


MAT 5234

(n, d)  $\alpha$ : 49-In-118g

52-Te-123

Radionuclide Production Cross Section 0.000 To 9999. %



Incident Energy (eV)

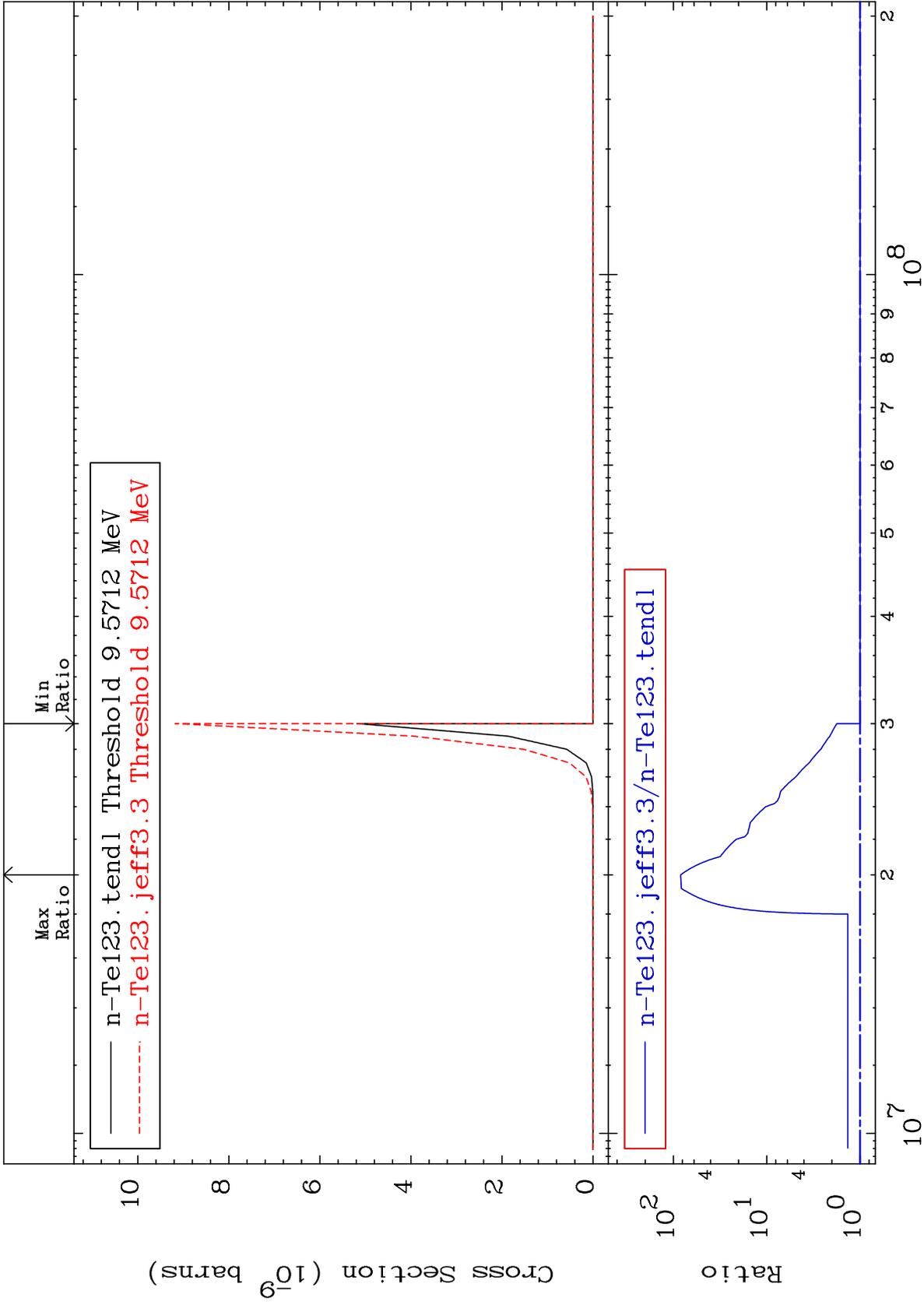
52-Te-123

MAT 5234

(n, d)  $\alpha$ :49-In-118m1

52-Te-123

Radionuclide Production Cross Section 0.000 To 8228. %



111

Incident Energy (eV)

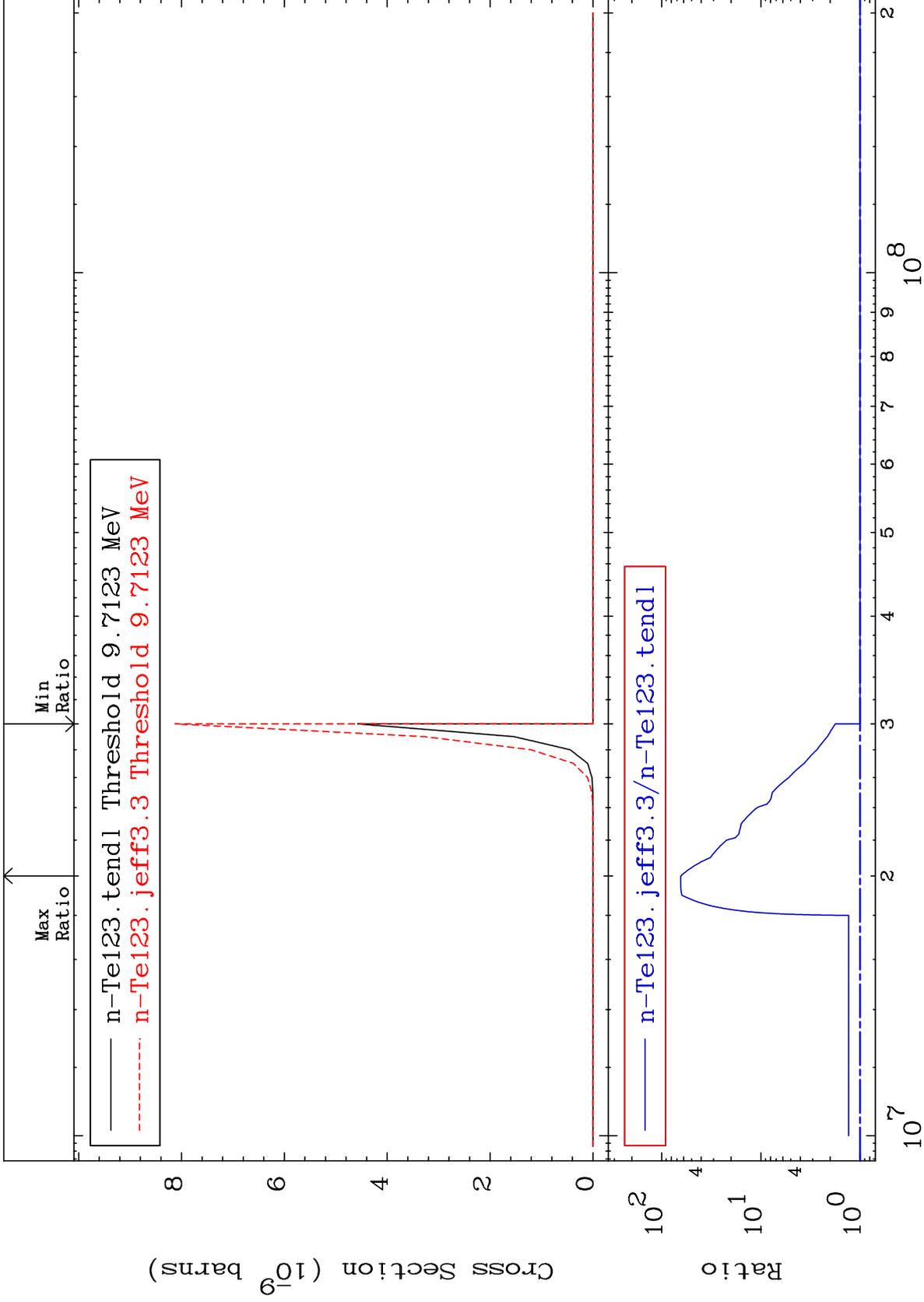
52-Te-123

MAT 5234

(n, d)  $\alpha$ :49-In-118m3

52-Te-123

Radionuclide Production Cross Section 0.000 To 6318. %



112

Incident Energy (eV)

52-Te-123