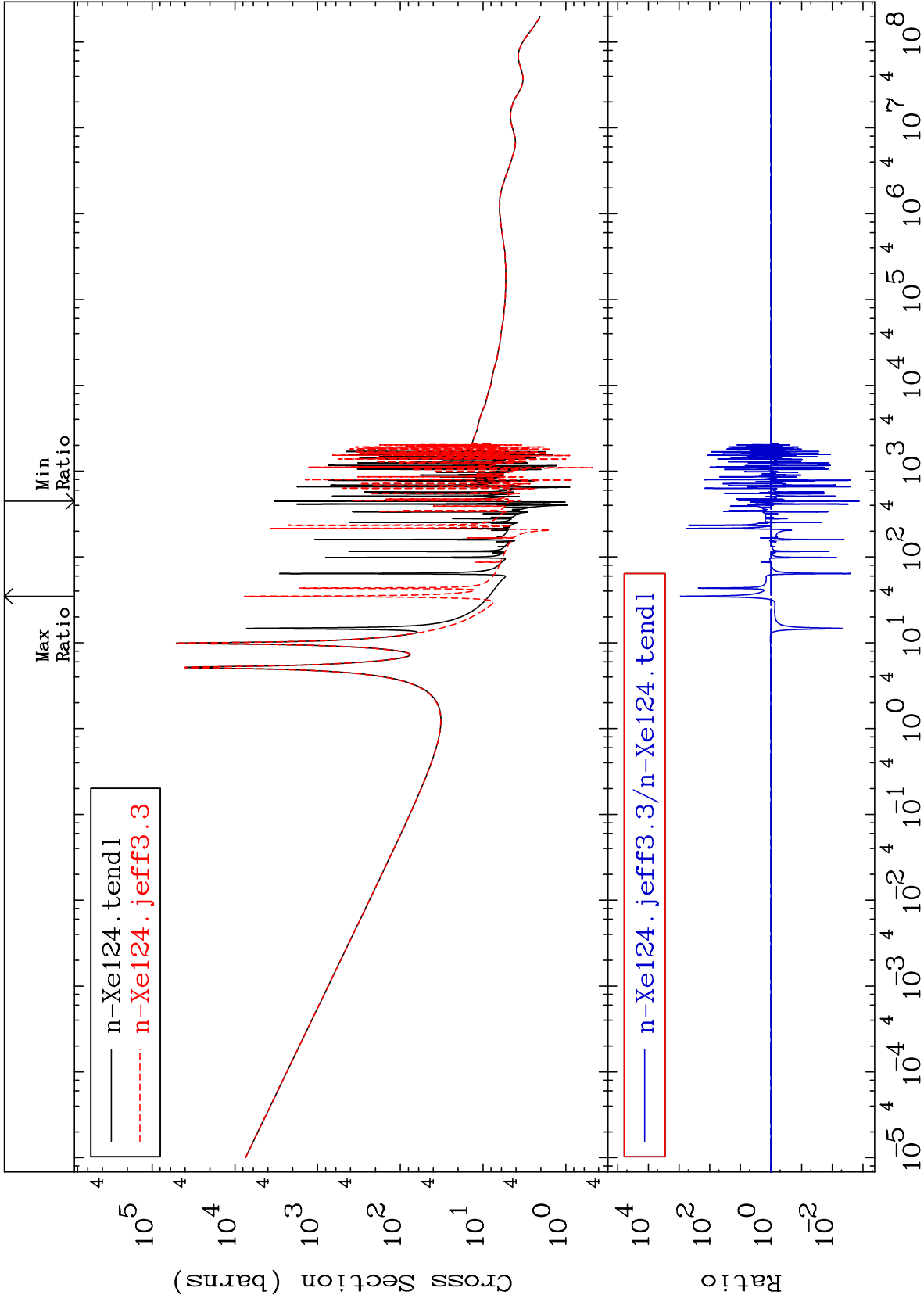


MAT 5425

Total Cross Section
54-Xe-124
-99.87 To 9999. %

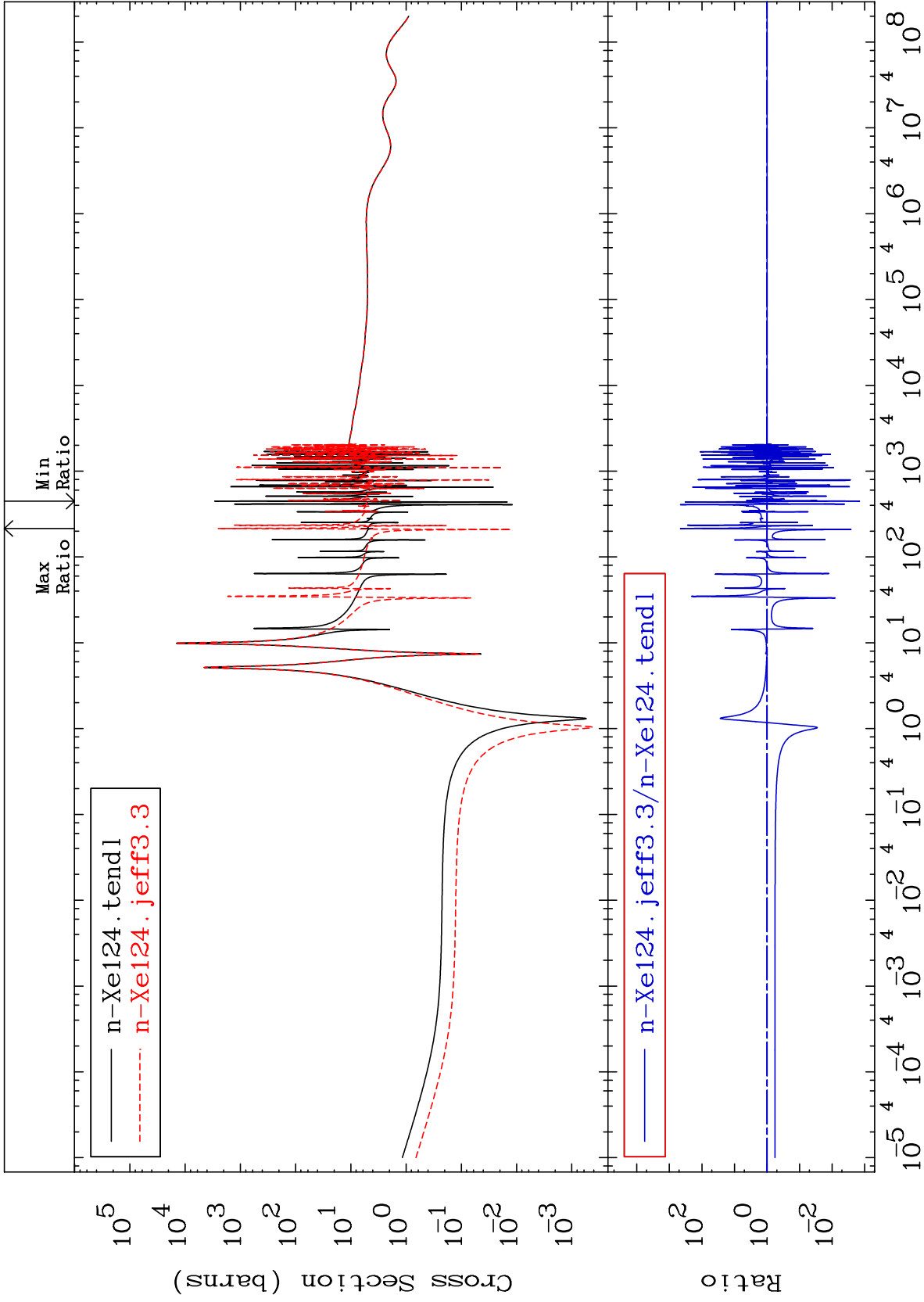


54-Xe-124

Incident Energy (eV)

MAT 5425

Elastic Cross Section 54-Xe-124
-99.86 To 9999. %

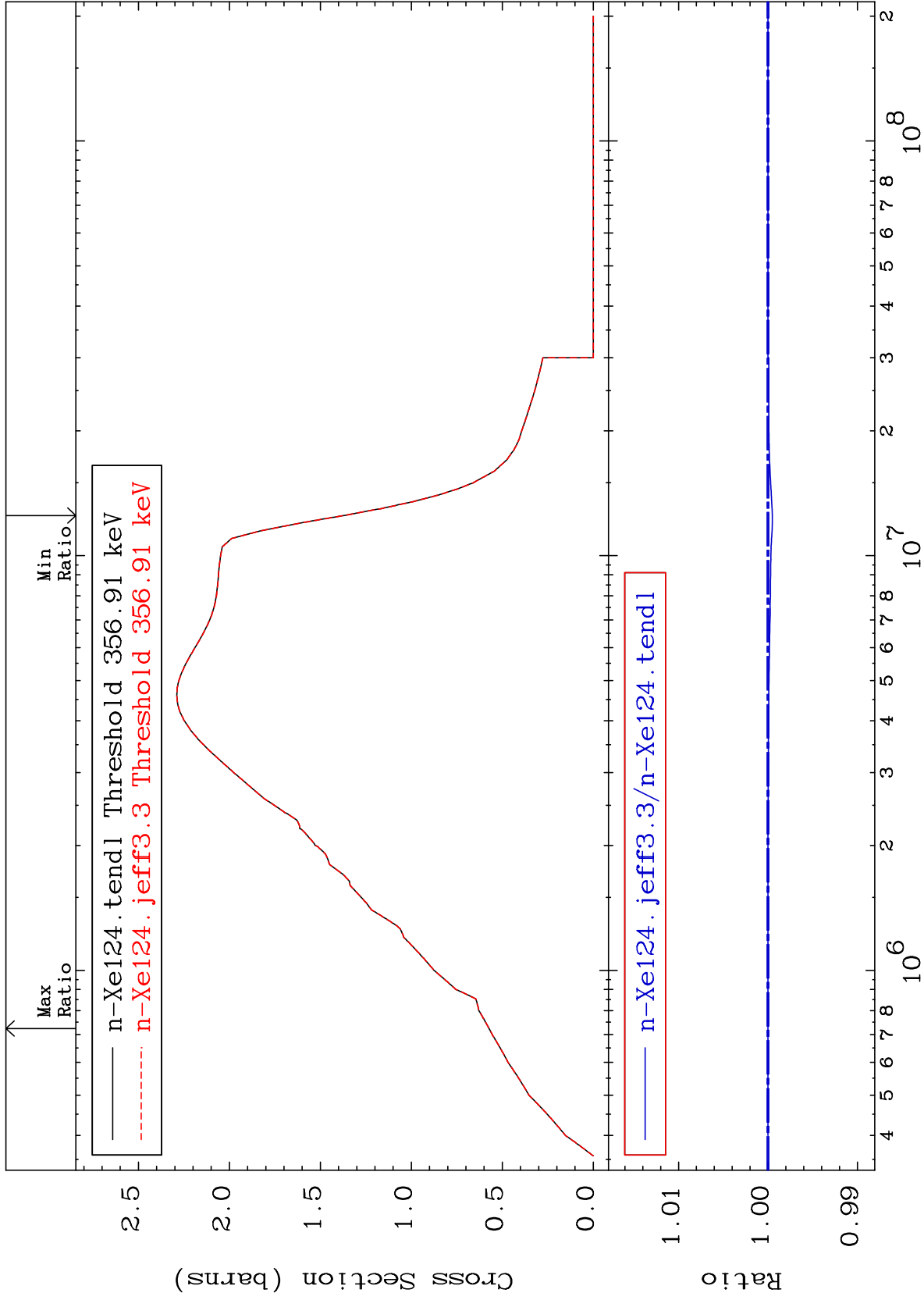


MAT 5425

54-Xe-124

Inelastic
Cross Section

-0.049 To 0.000 %



3

Incident Energy (eV)

54-Xe-124

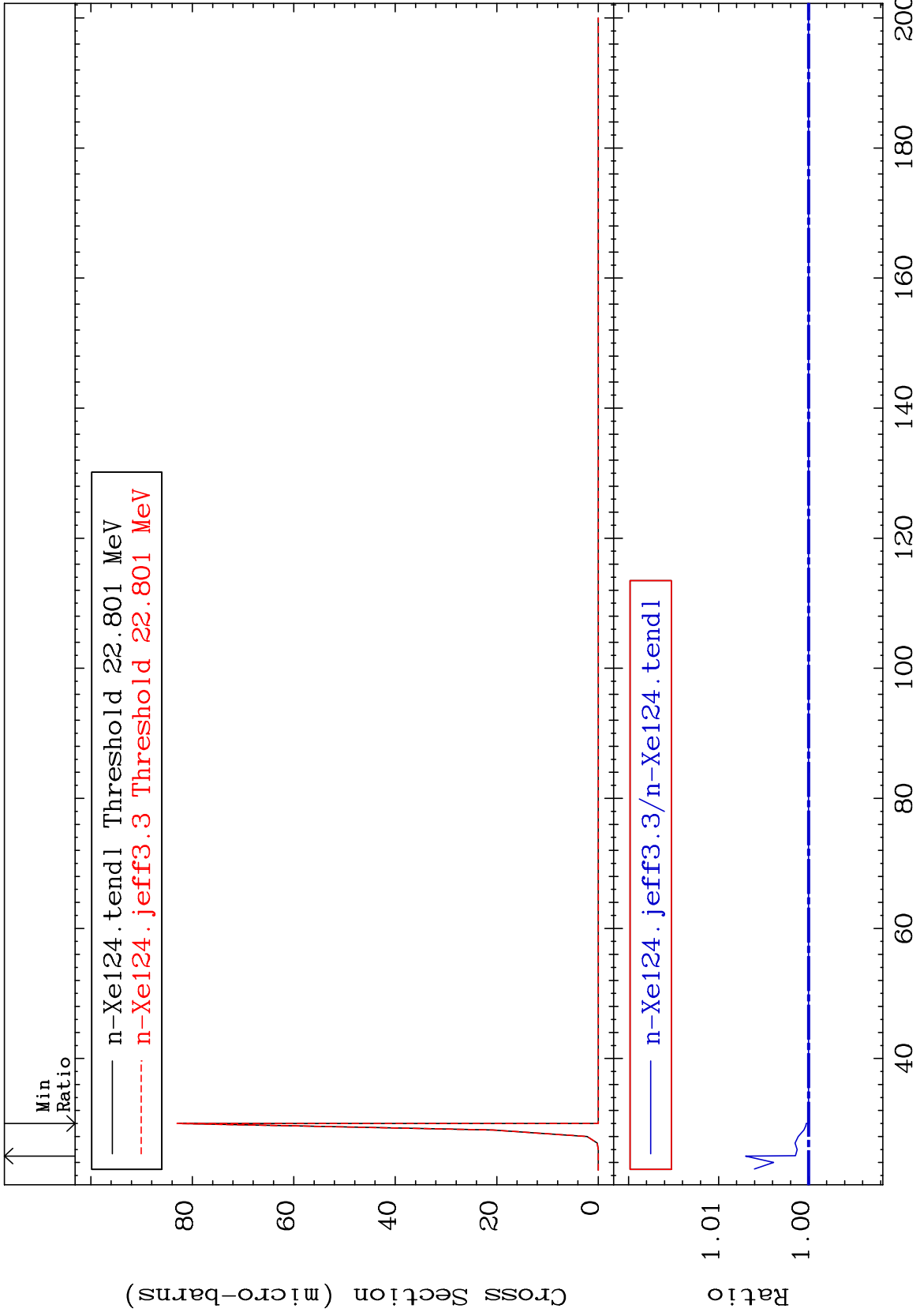
MAT 5425

(n,2n) d

54-Xe-124

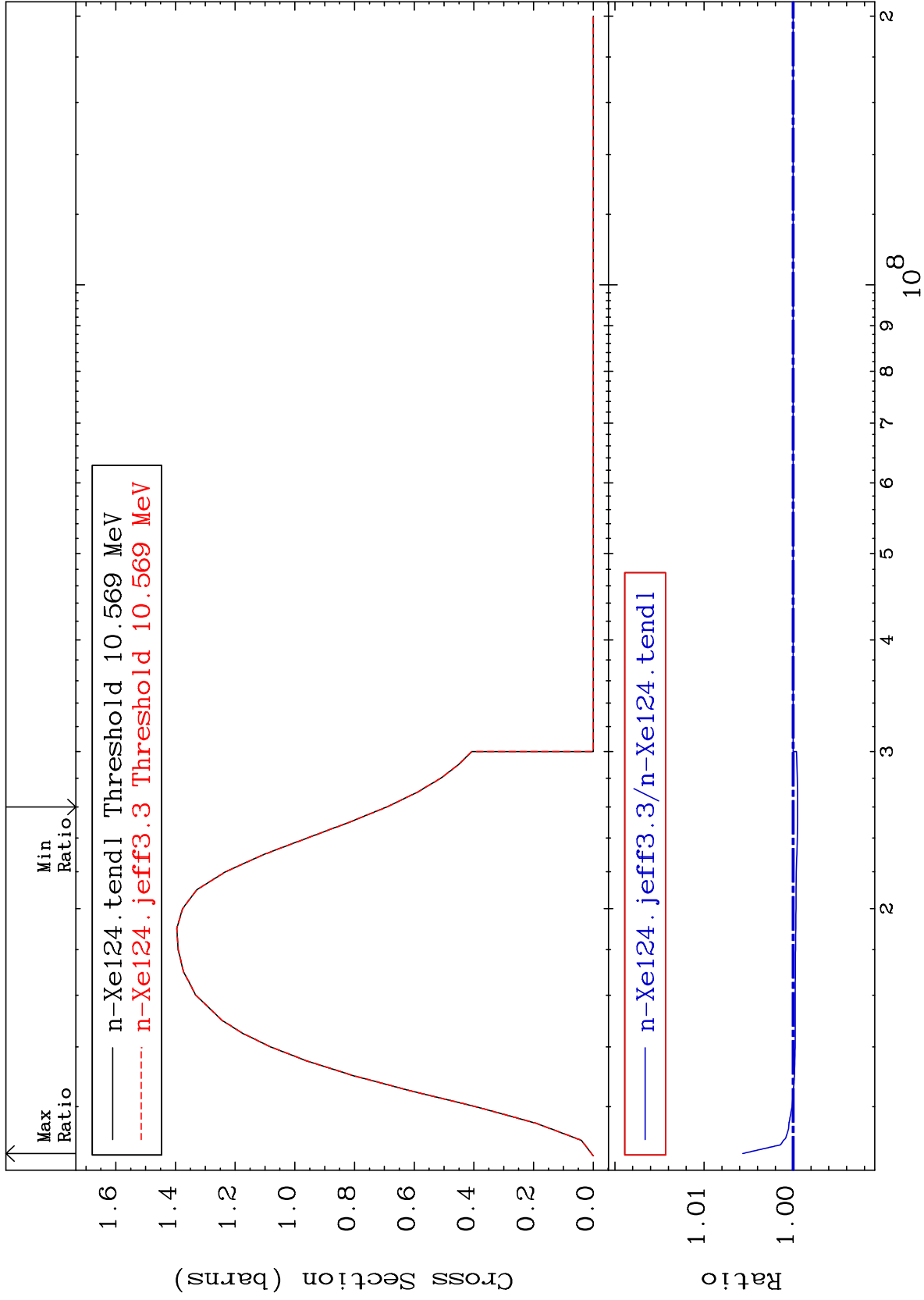
Cross Section

0.000 To 0.700 %



54-Xe-124

4



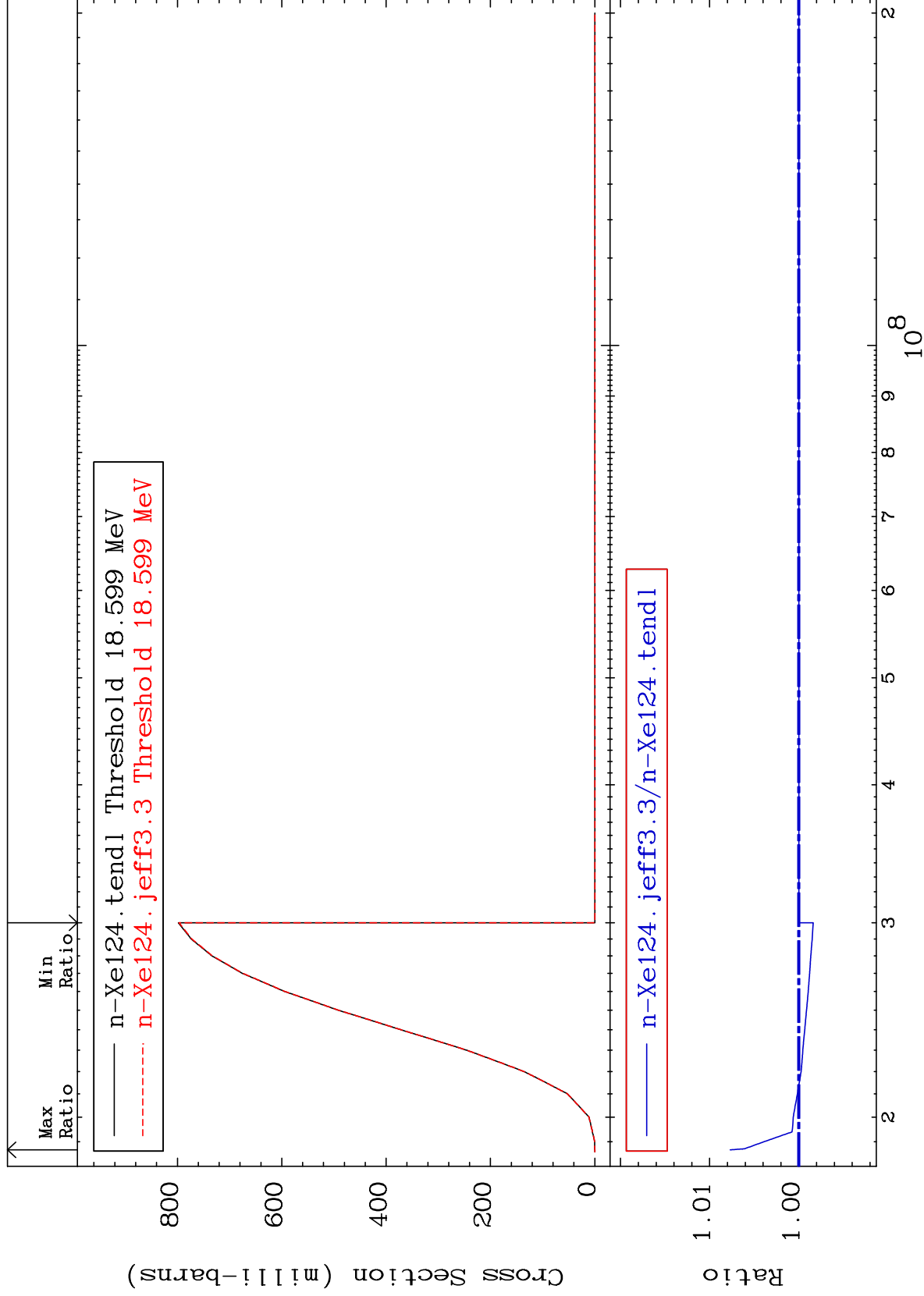
MAT 5425

(n,3n)

54-Xe-124

Cross Section

-0.162 To 0.769 %



6

Incident Energy (eV)

54-Xe-124

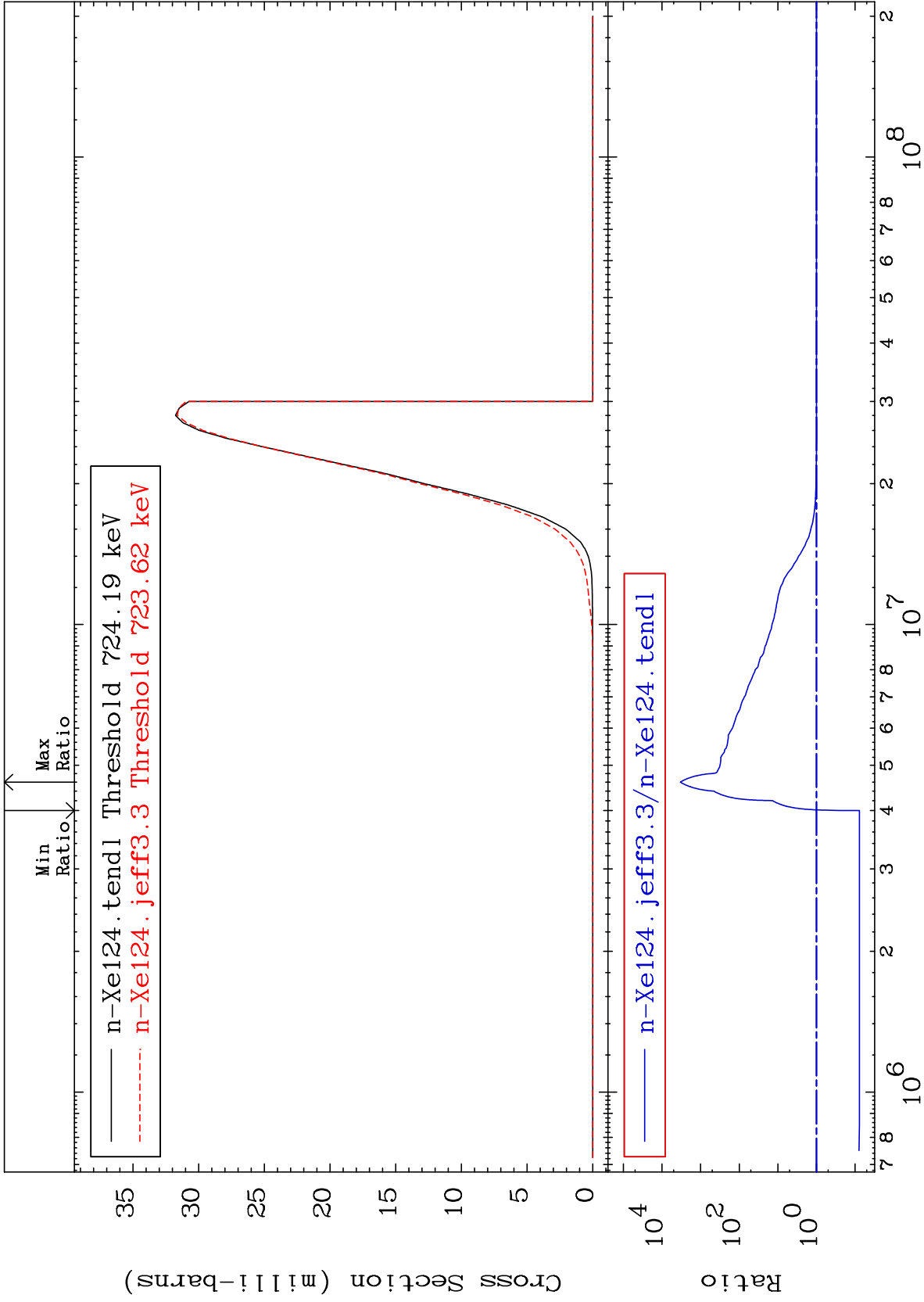
MAT 5425

(n, n') α

54-Xe-124

Cross Section

-92.27 To 9999. %



Incident Energy (eV)

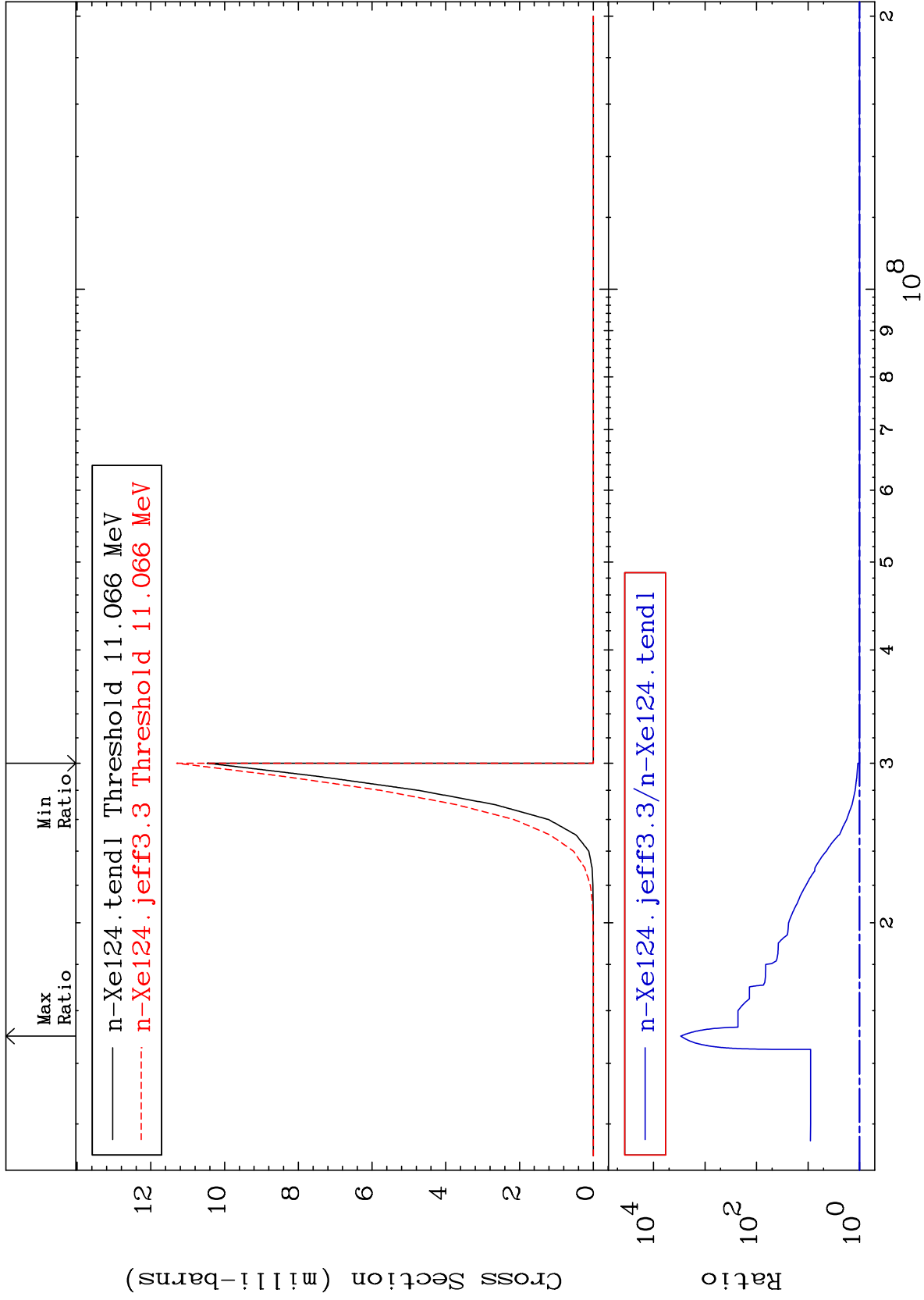
54-Xe-124

7

MAT 5425

(n,2n) α
Cross Section

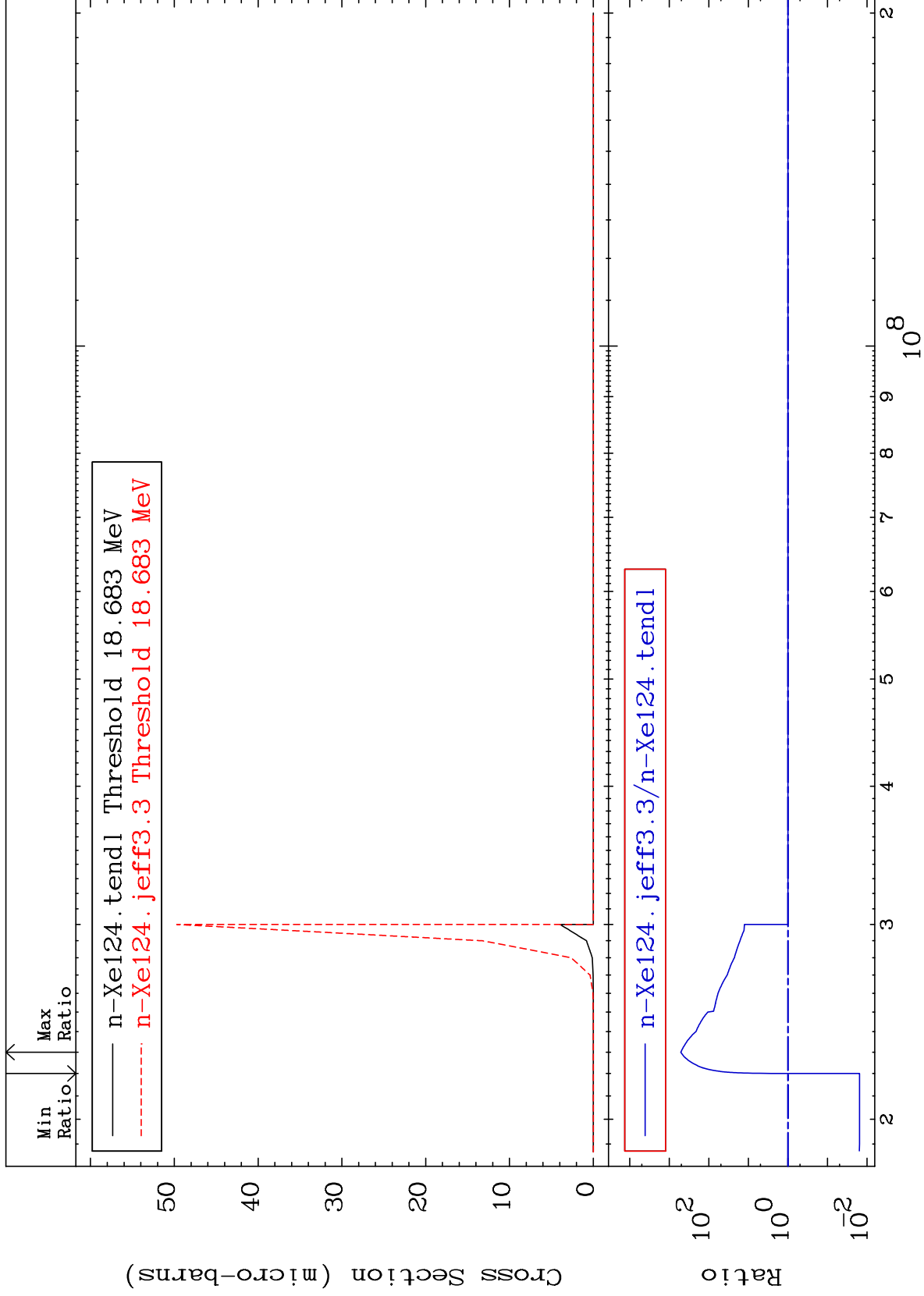
54-Xe-124
To 9999. %
0.000



MAT 5425

(n,3n) α
Cross Section

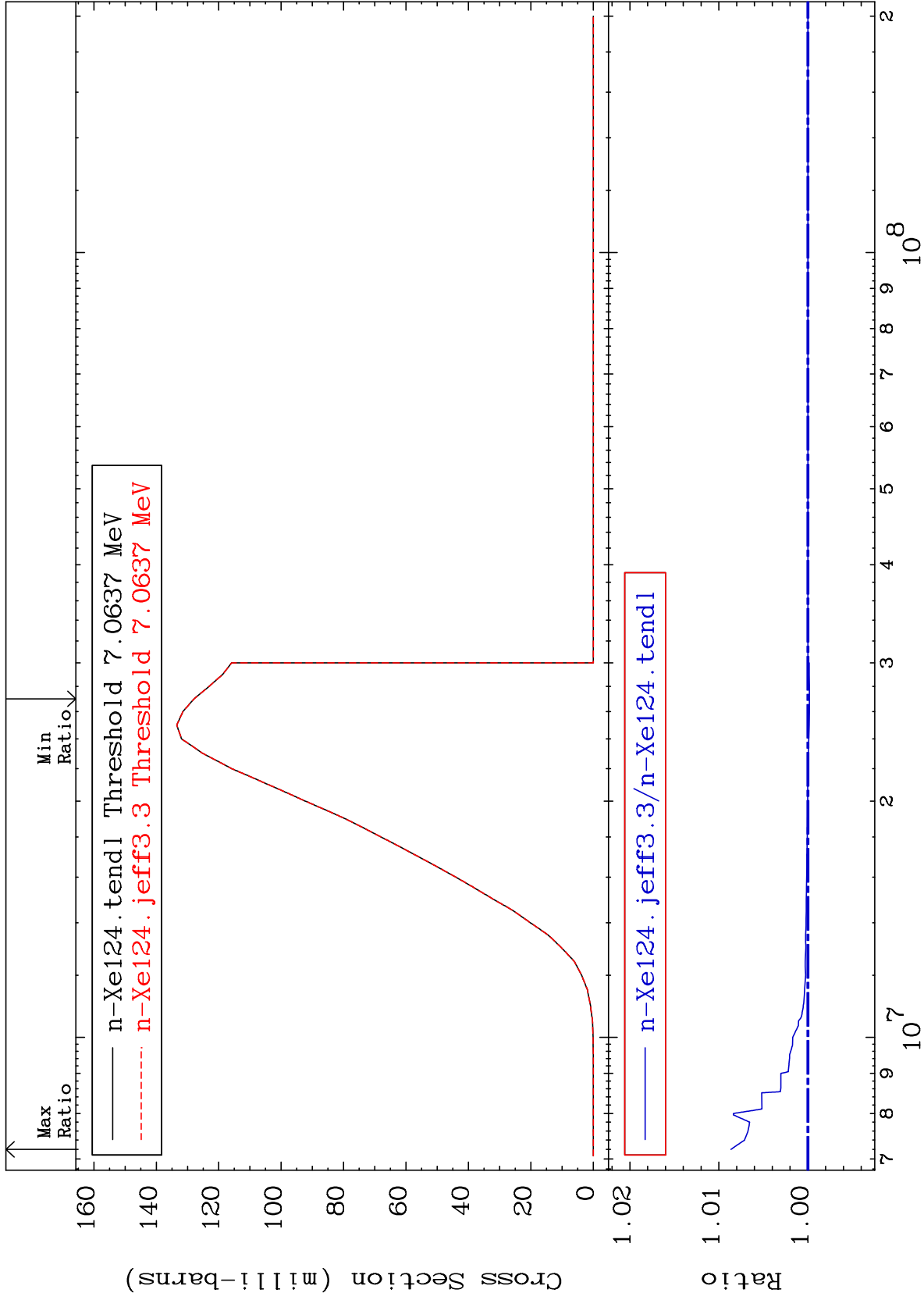
54-Xe-124
-98.45 To 9999. %



MAT 5425

(n,n') p
Cross Section

54-Xe-124
-0.017 To 0.865 %



10

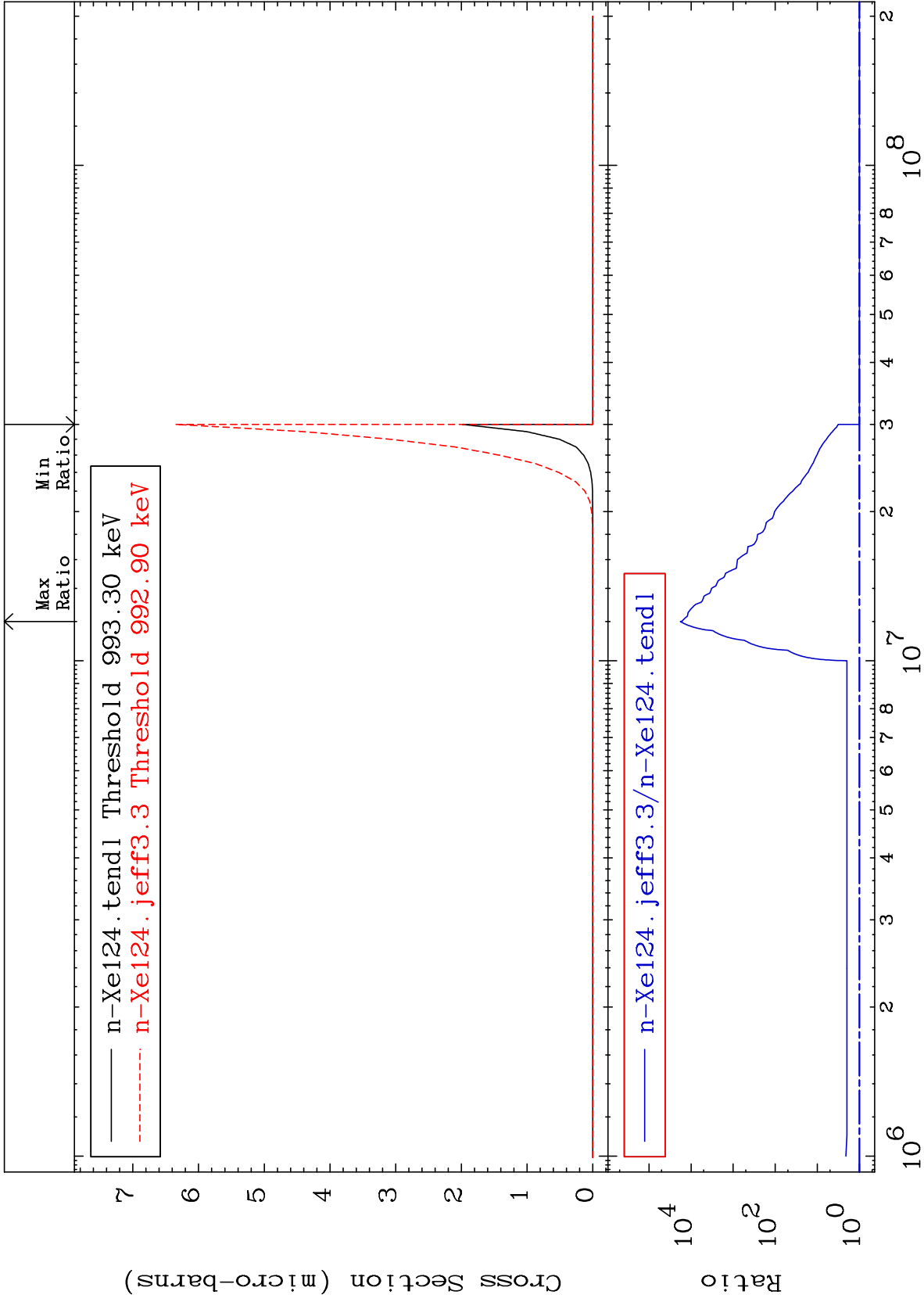
Incident Energy (eV)

54-Xe-124

MAT 5425

(n, n') 2α
Cross Section

54-Xe-124
To 9999. %



11

Incident Energy (eV)

54-Xe-124

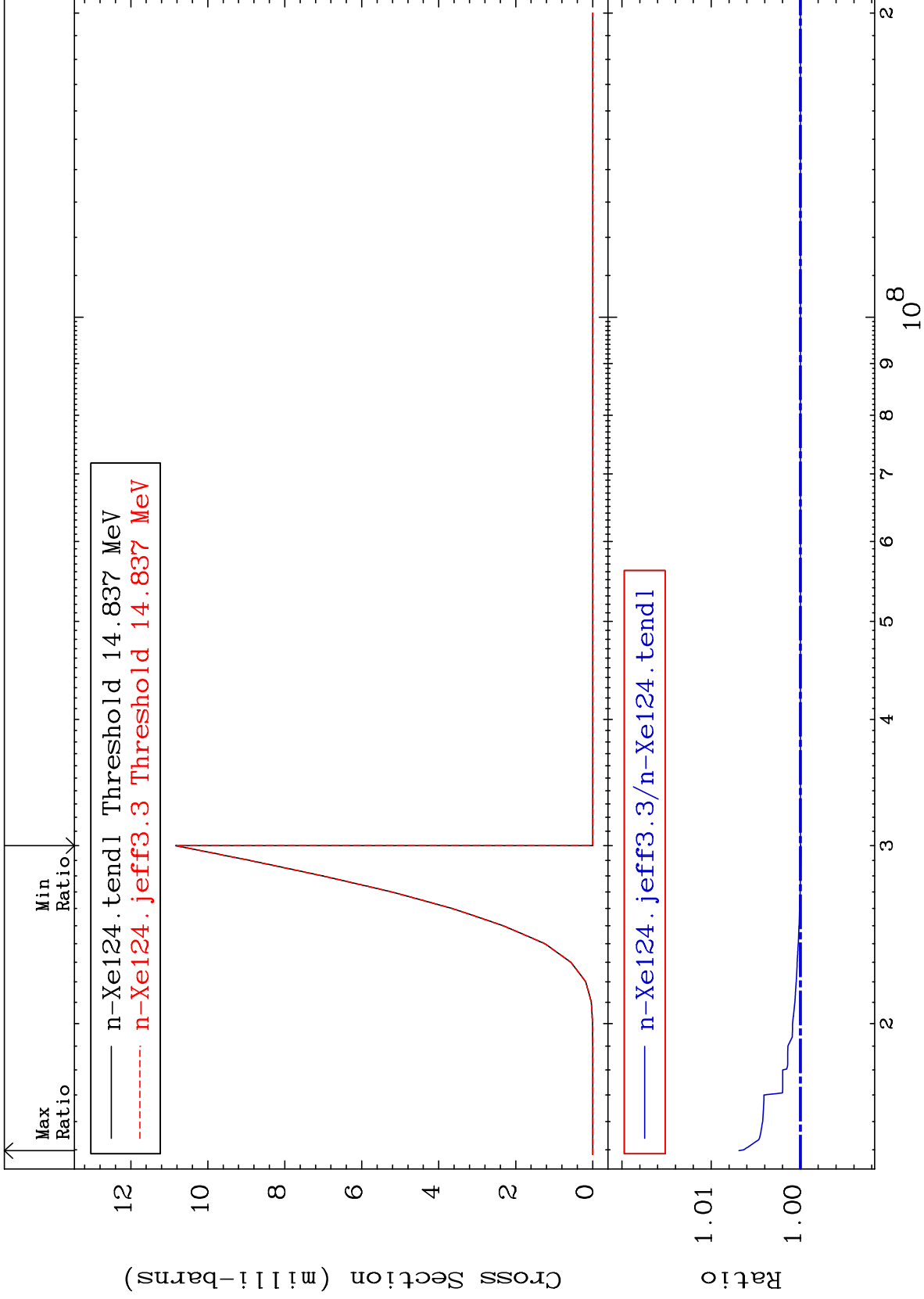
MAT 5425

(n,n') d

54-Xe-124

Cross Section

-0.006 To 0.689 %



12

Incident Energy (eV)

54-Xe-124

MAT 5425

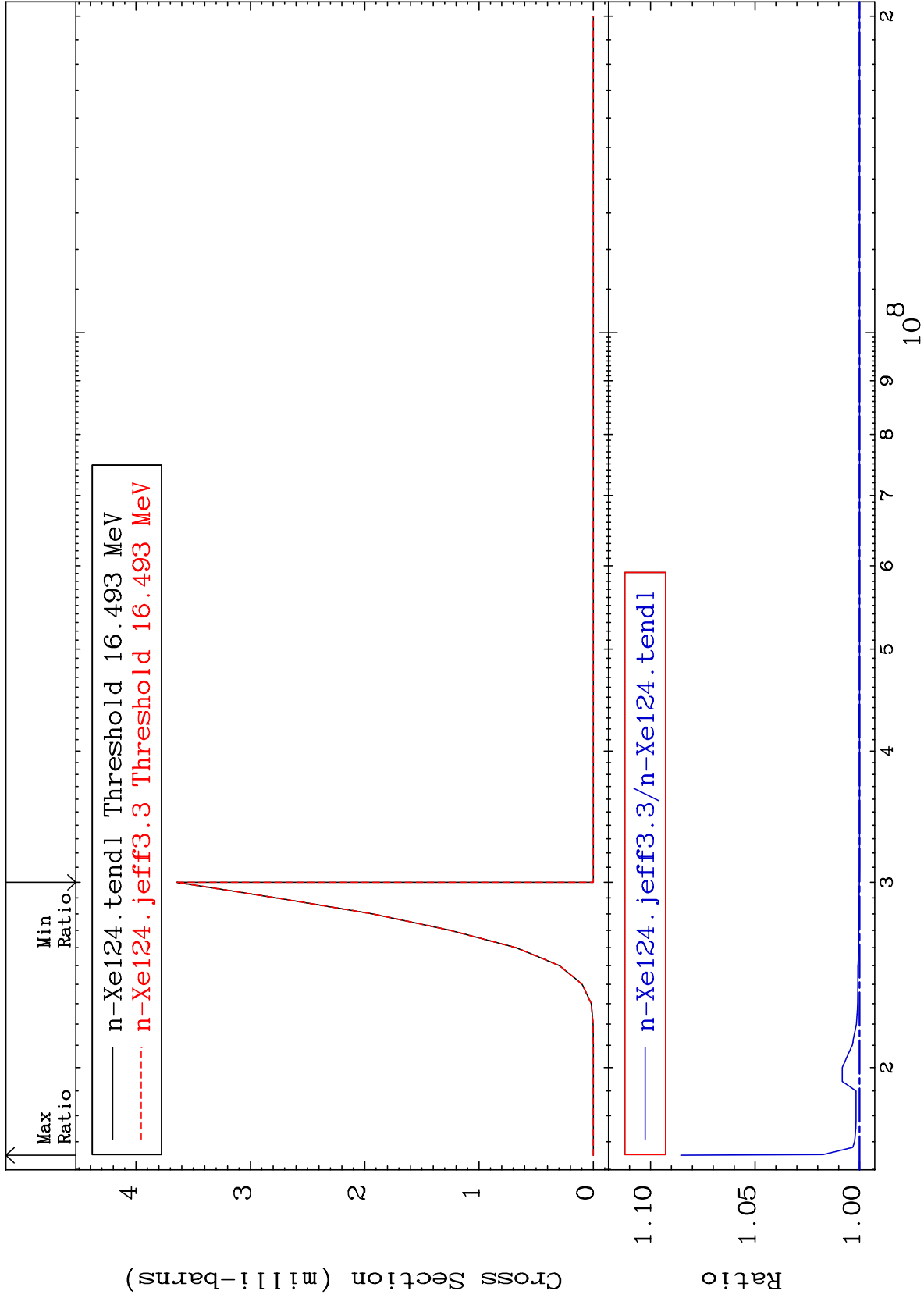
(n,n') t

54-Xe-124

Cross Section

0.000

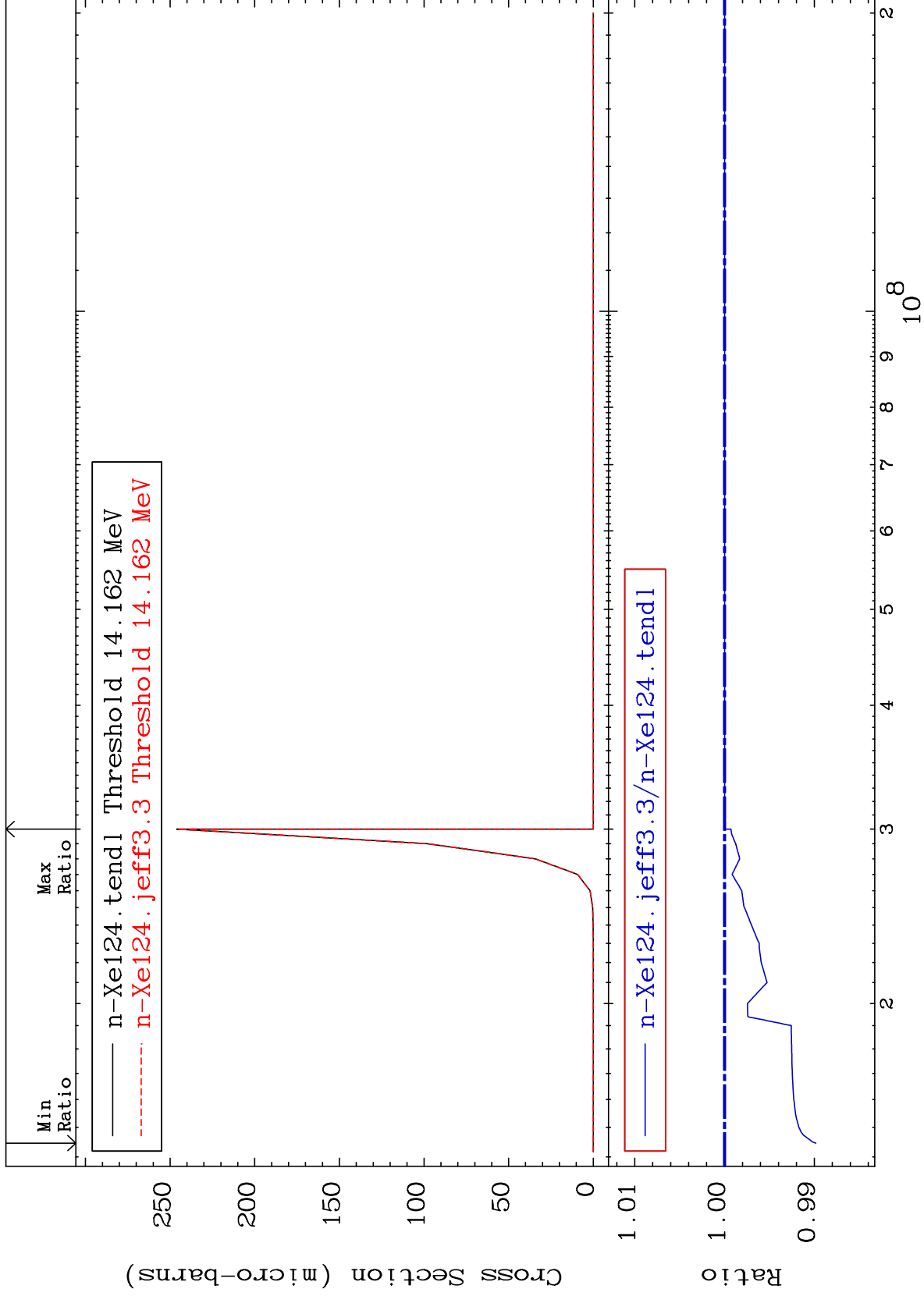
To 8.553 %



MAT 5425

(n, n') He-3
Cross Section

54-Xe-124
-1.015 To 0.000 %



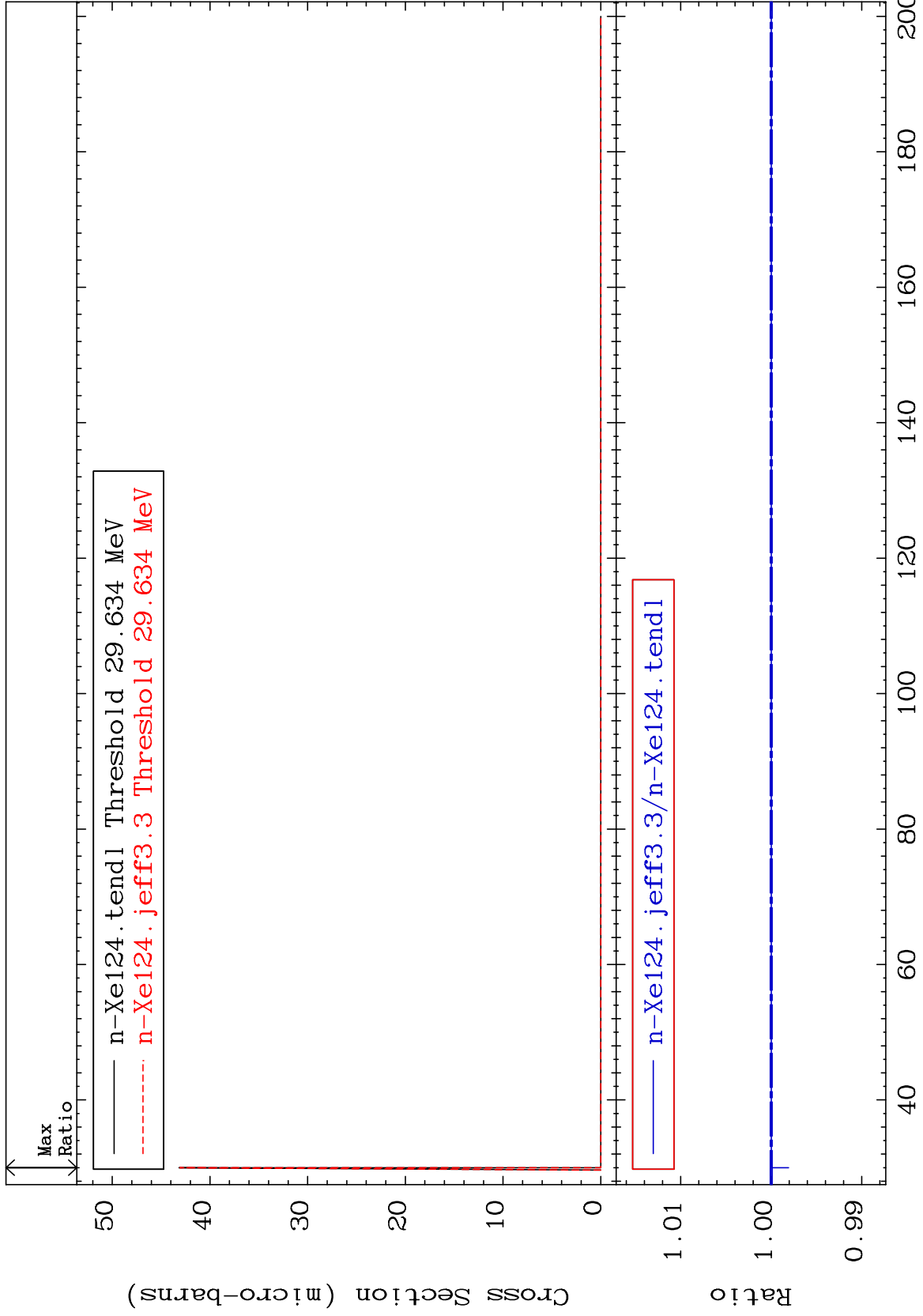
MAT 5425

(n,4n)

54-Xe-124

Cross Section

-0.191 To 0.000 %



15

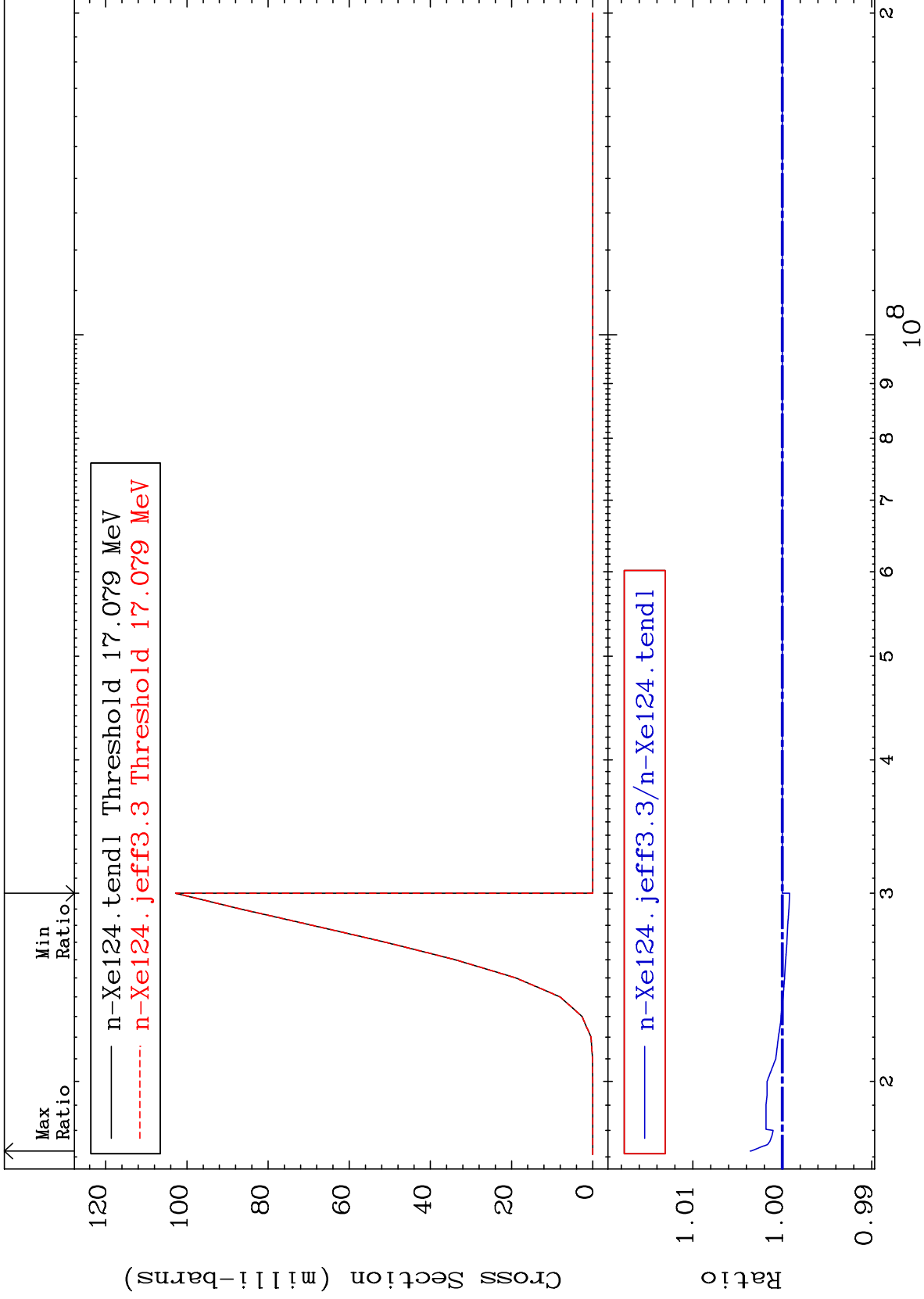
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,2n) p
Cross Section

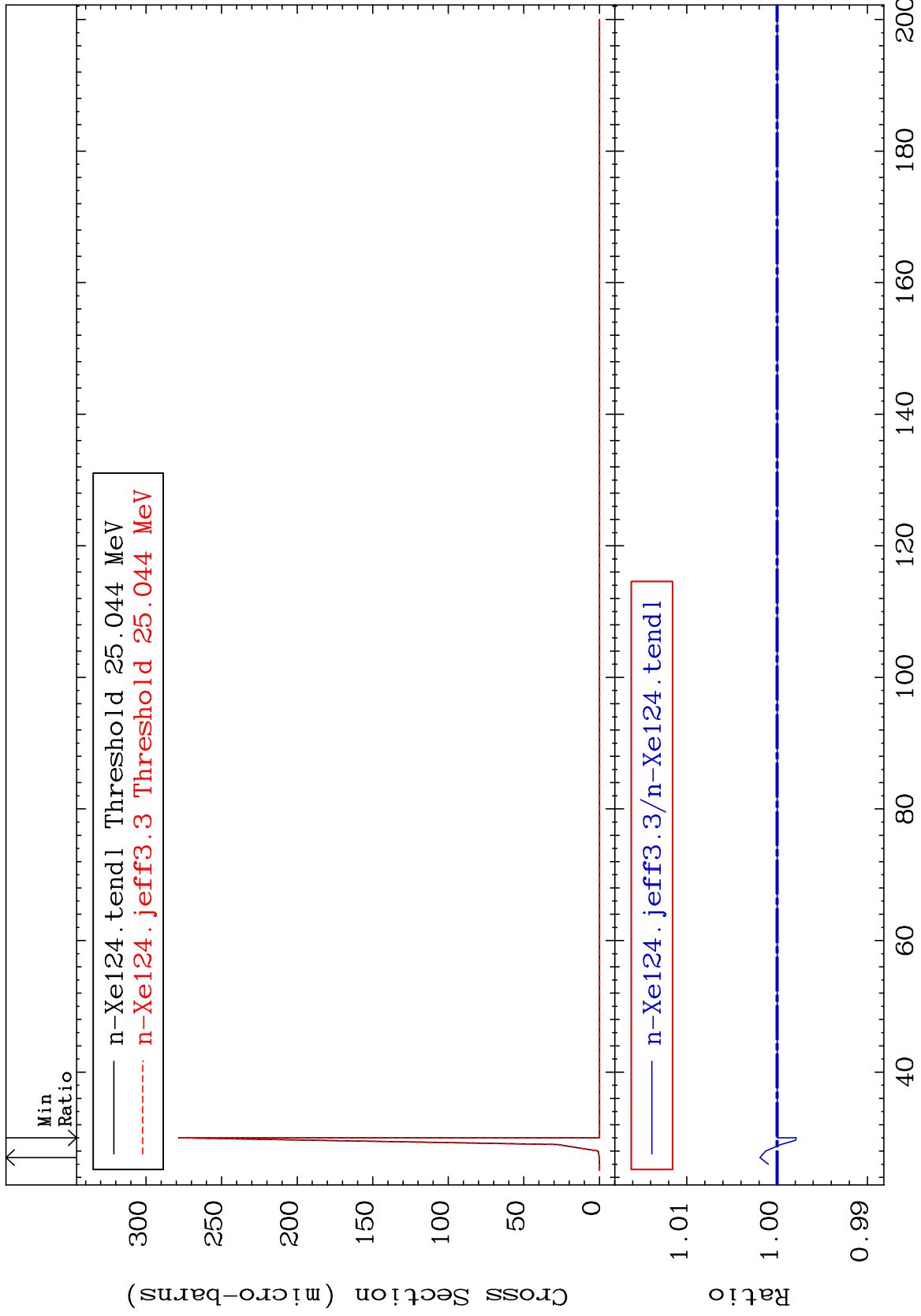
54-Xe-124
-0.082 To 0.358 %



MAT 5425

(n,3n) p
Cross Section

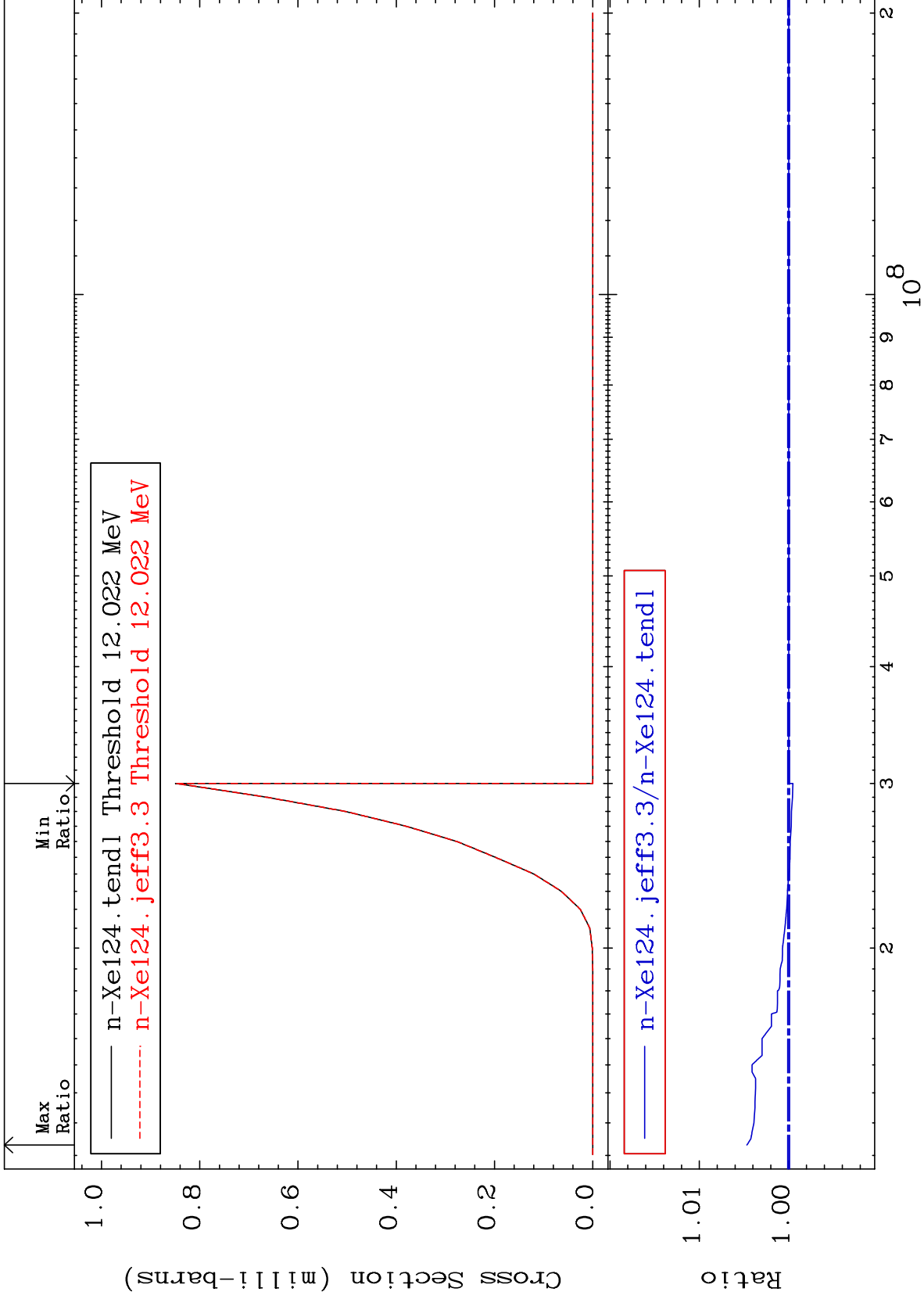
54-Xe-124
-0.213 To 0.190 %



17

Incident Energy (MeV)

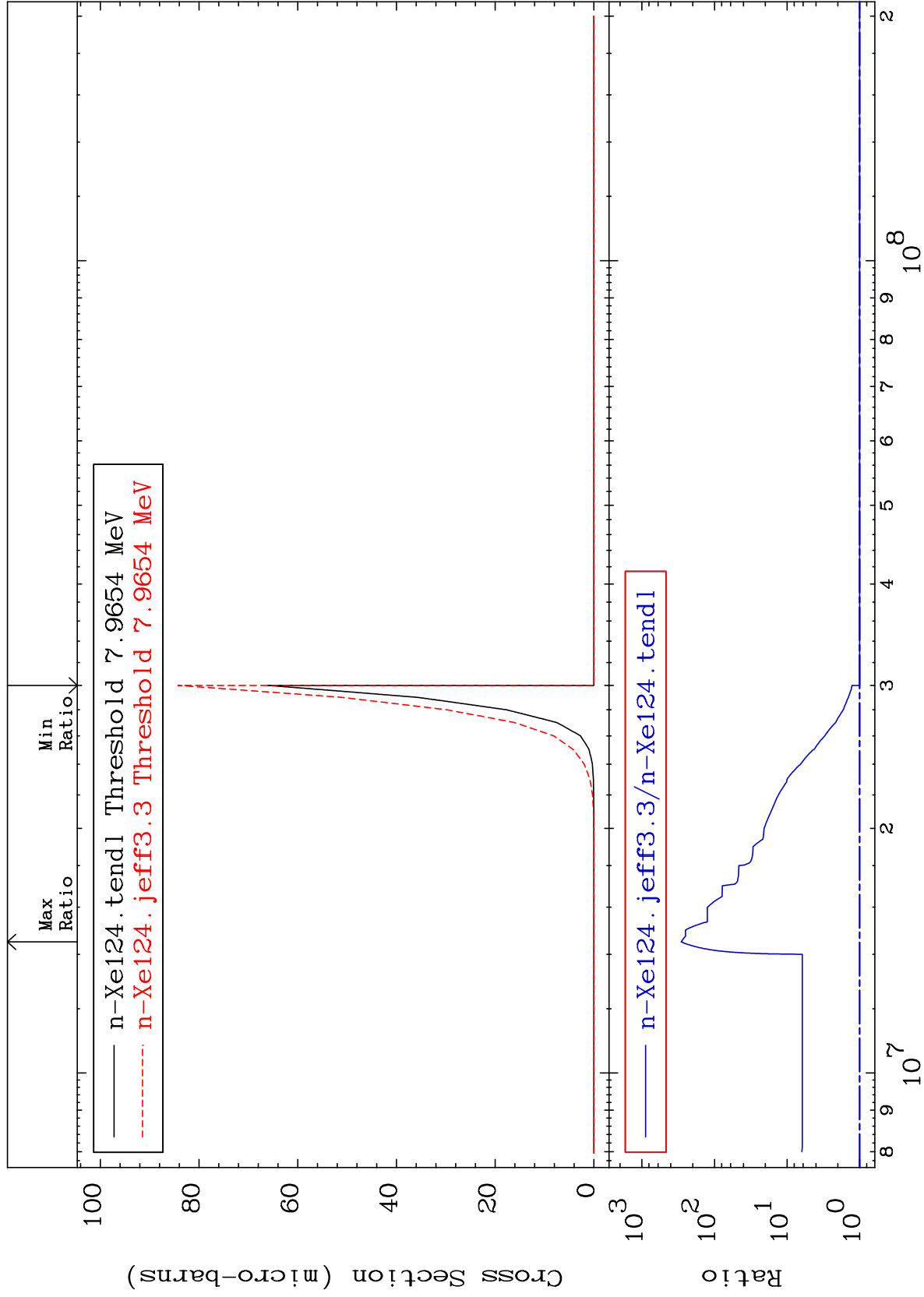
54-Xe-124



MAT 5425

(n,n') p α
Cross Section

54-Xe-124
To 9999. %
0.000



19

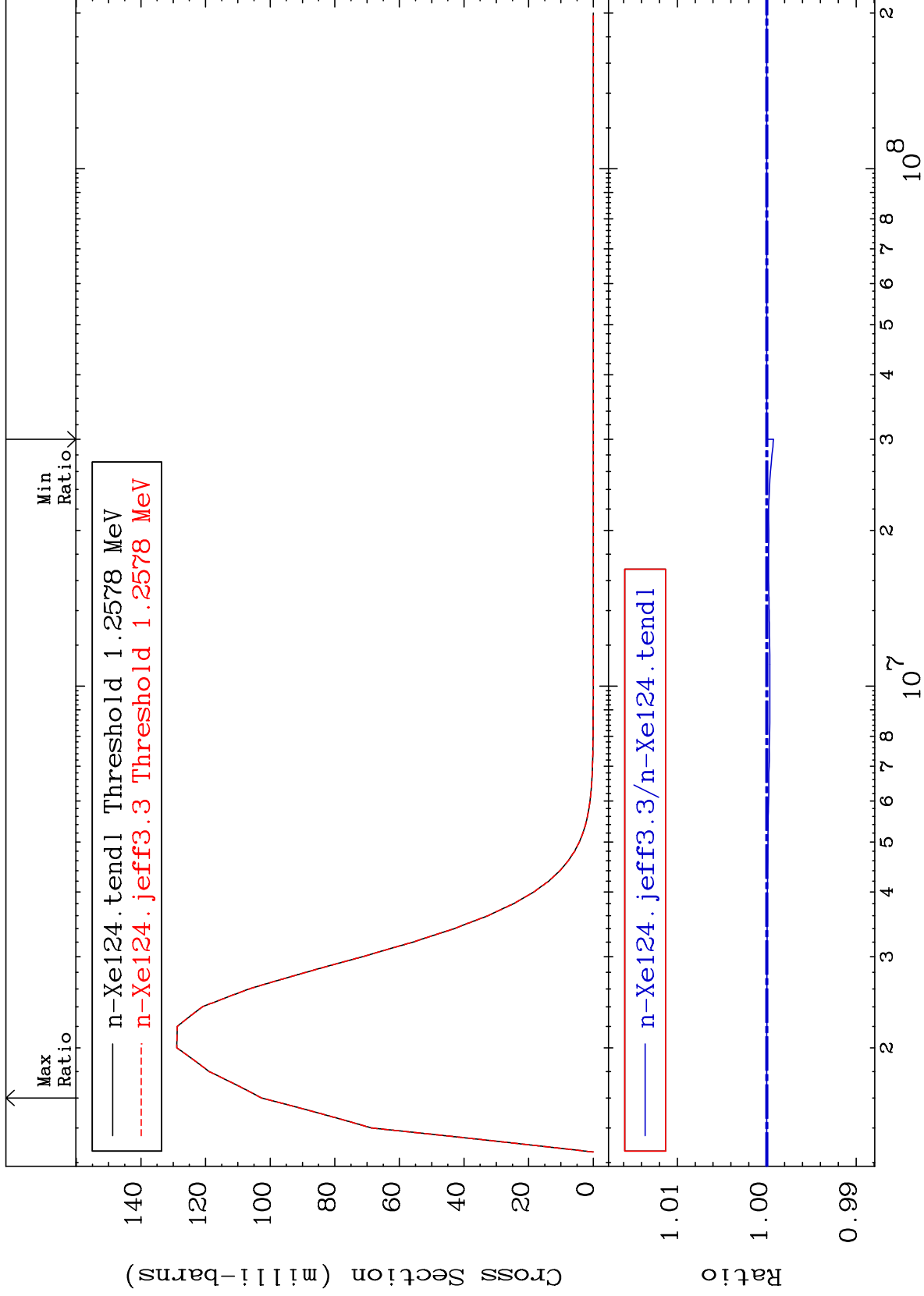
Incident Energy (eV)

54-Xe-124

MAT 5425

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

54-Xe-124
-0.076 To 0.000 %



20

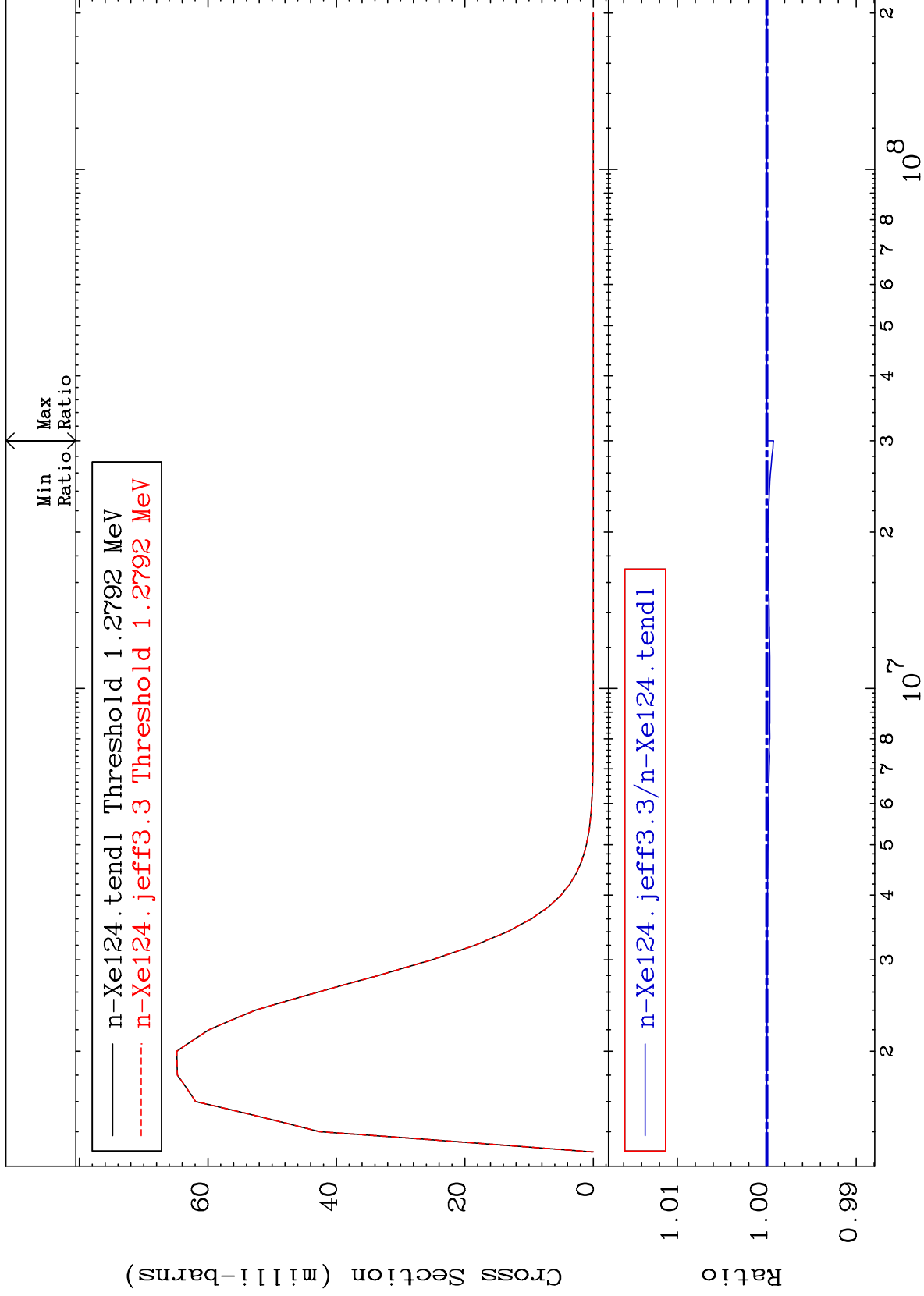
Incident Energy (eV)

54-Xe-124

MAT 5425

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

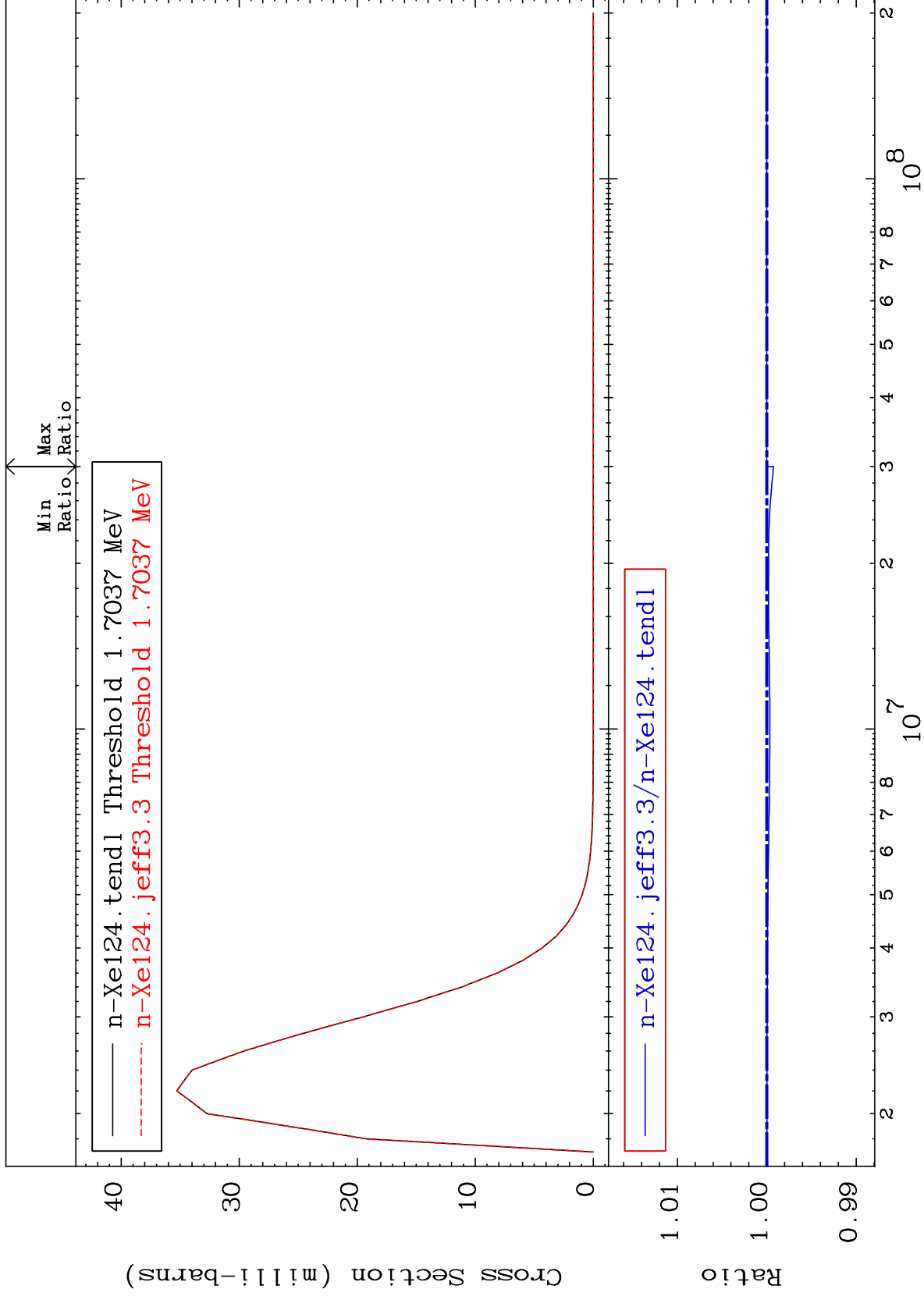
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

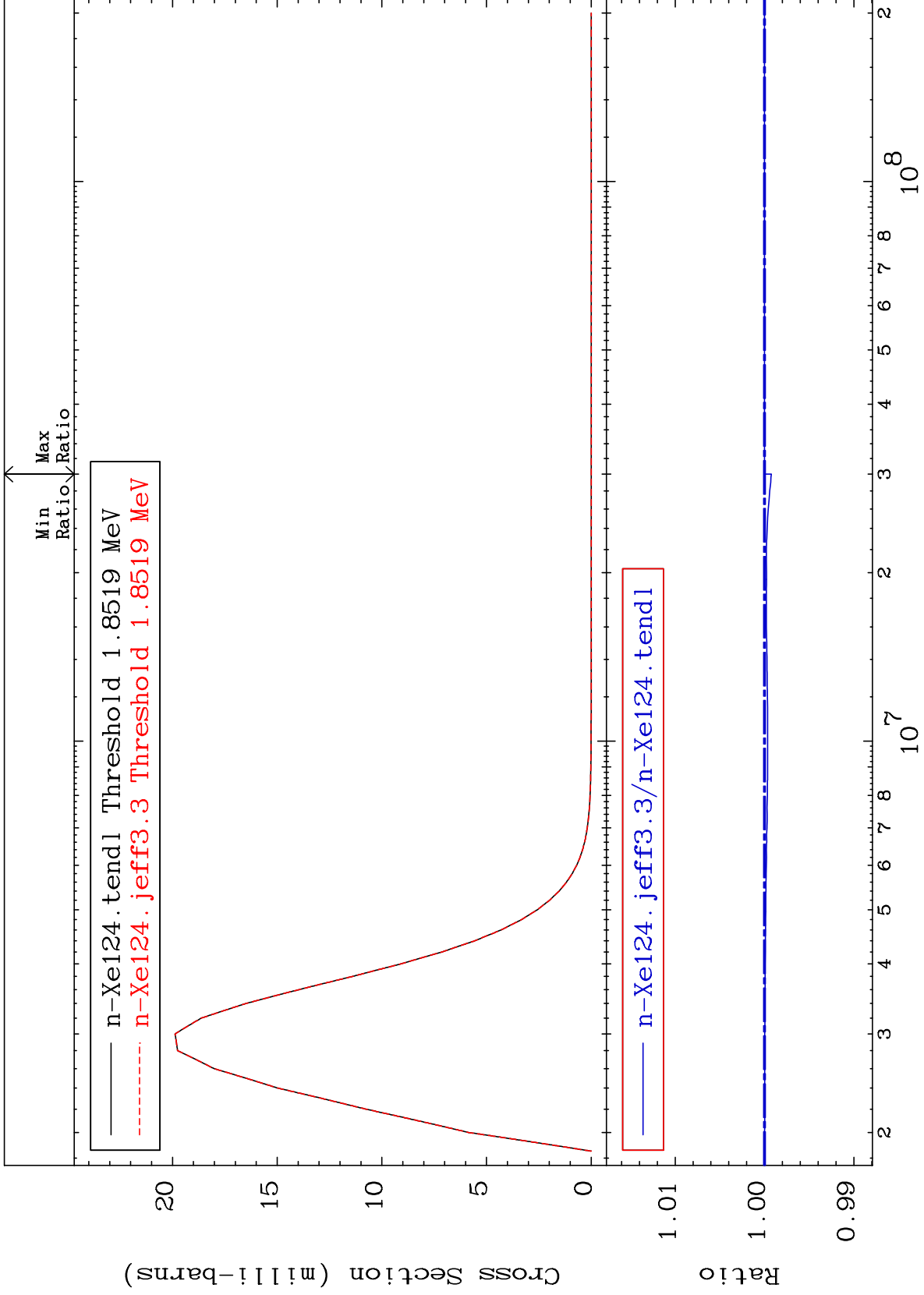
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

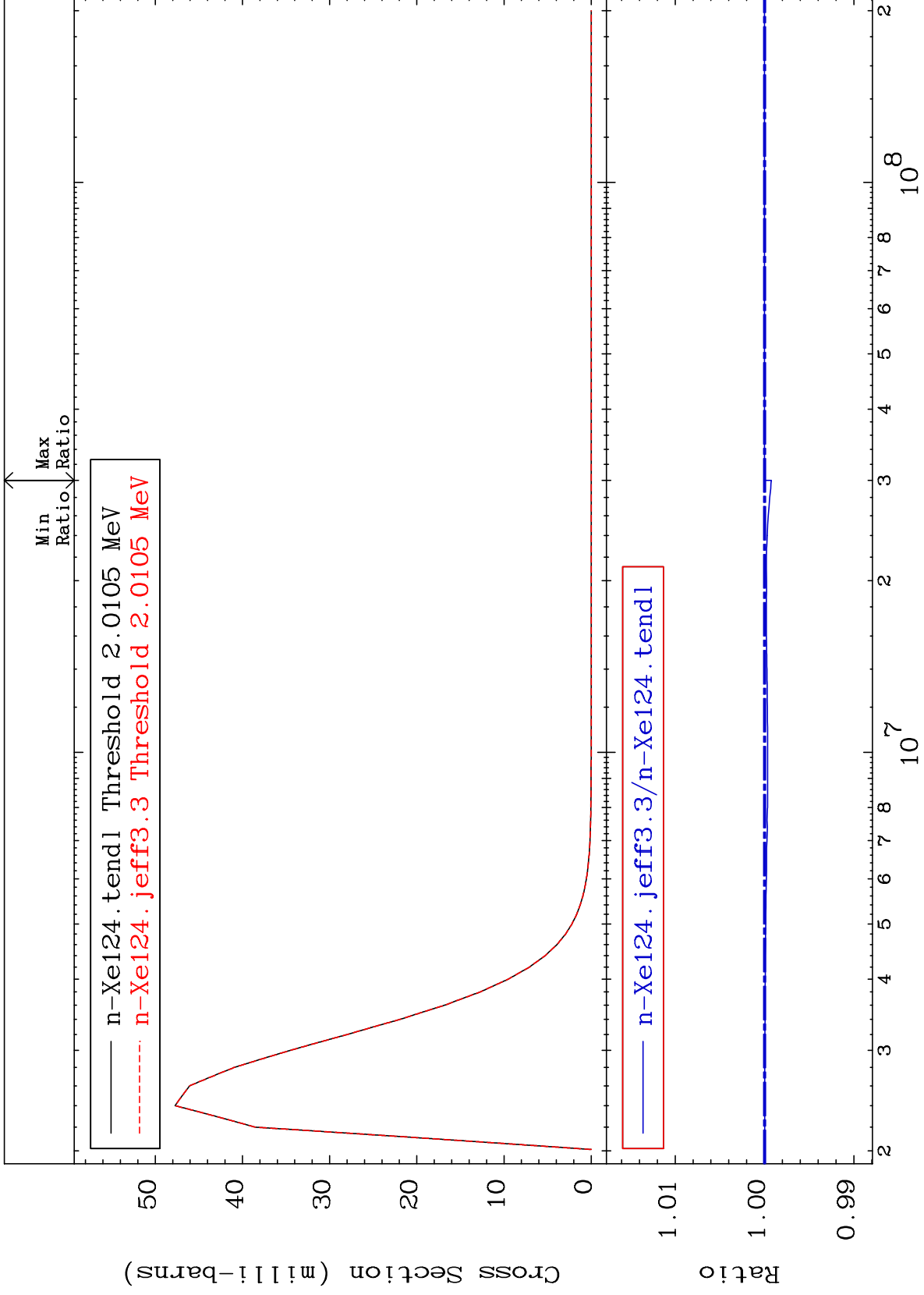
54-Xe-124
-0.077 To 0.000 %



MAT 5425

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

54-Xe-124
-0.076 To 0.000 %



24

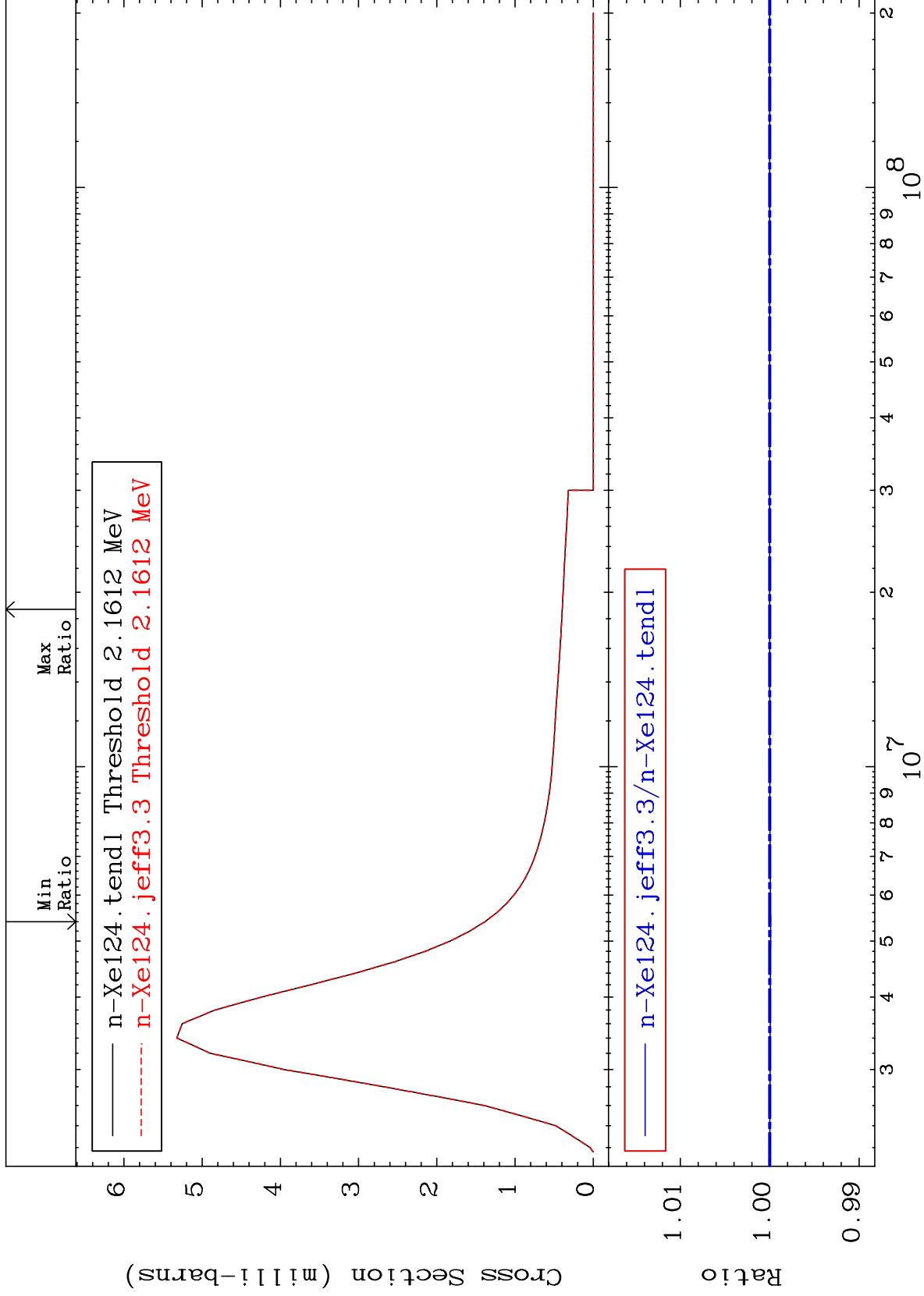
Incident Energy (eV)

54-Xe-124

MAT 5425

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

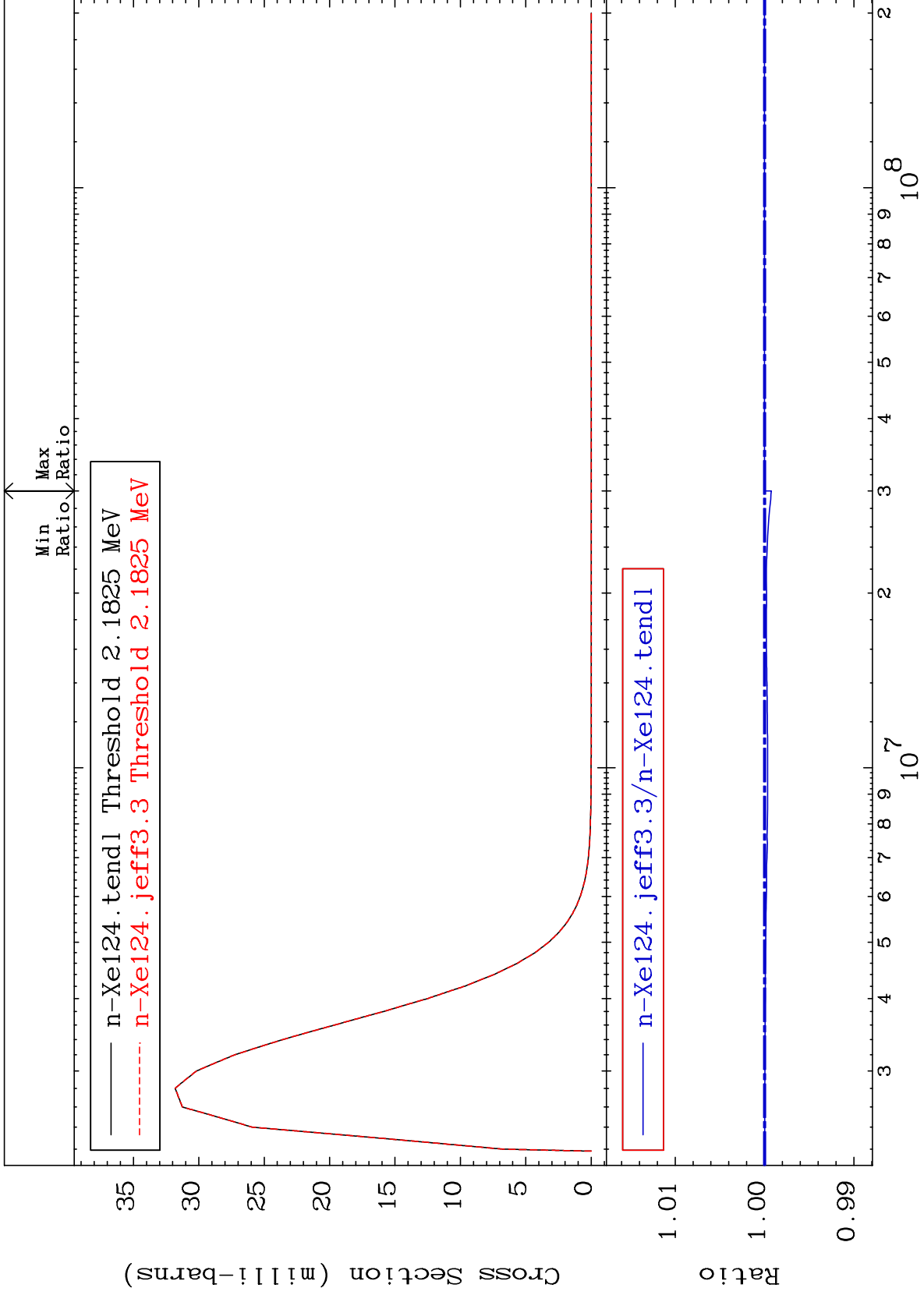
54-Xe-124
-0.010 To 0.000 %



MAT 5425

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

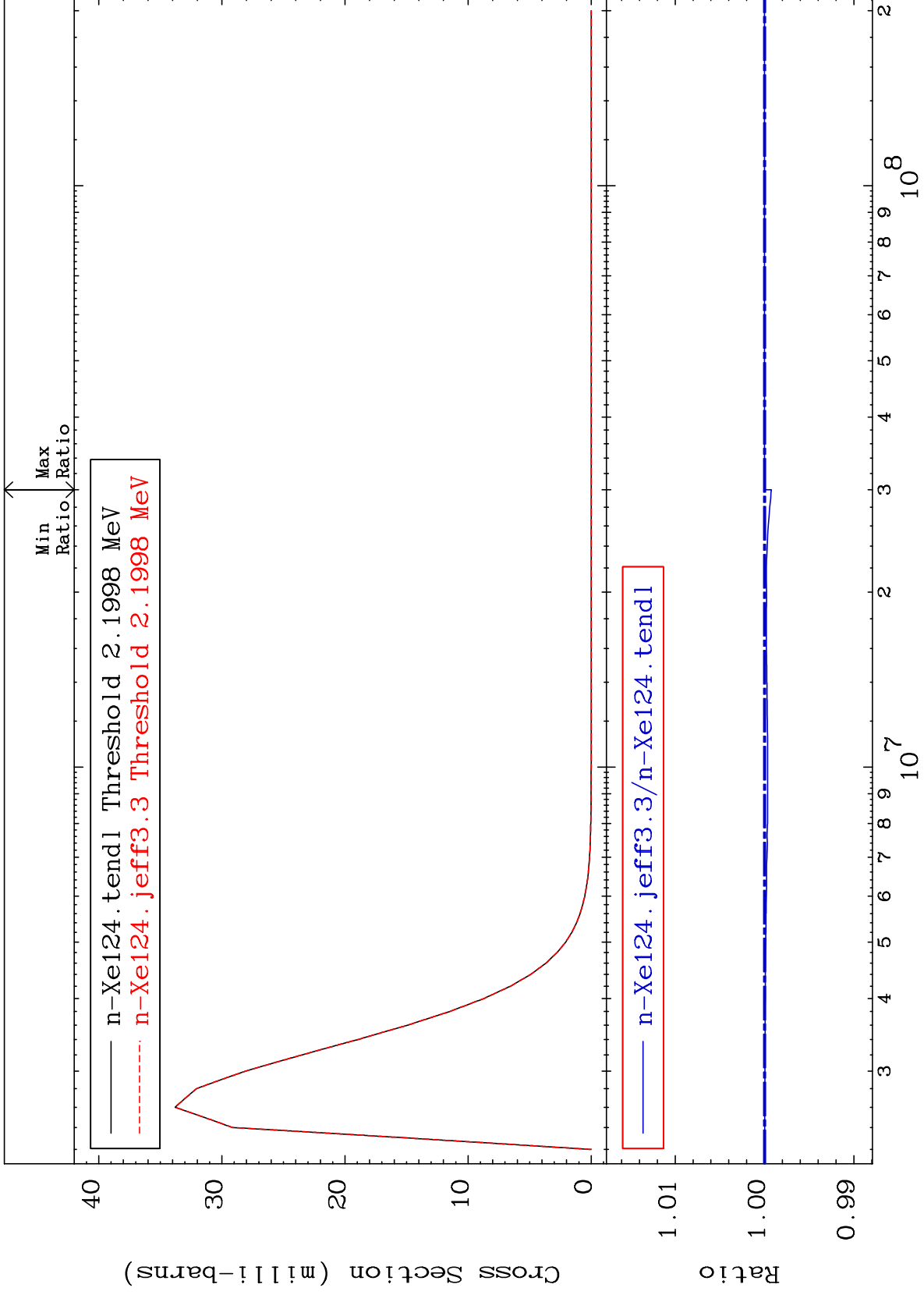
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

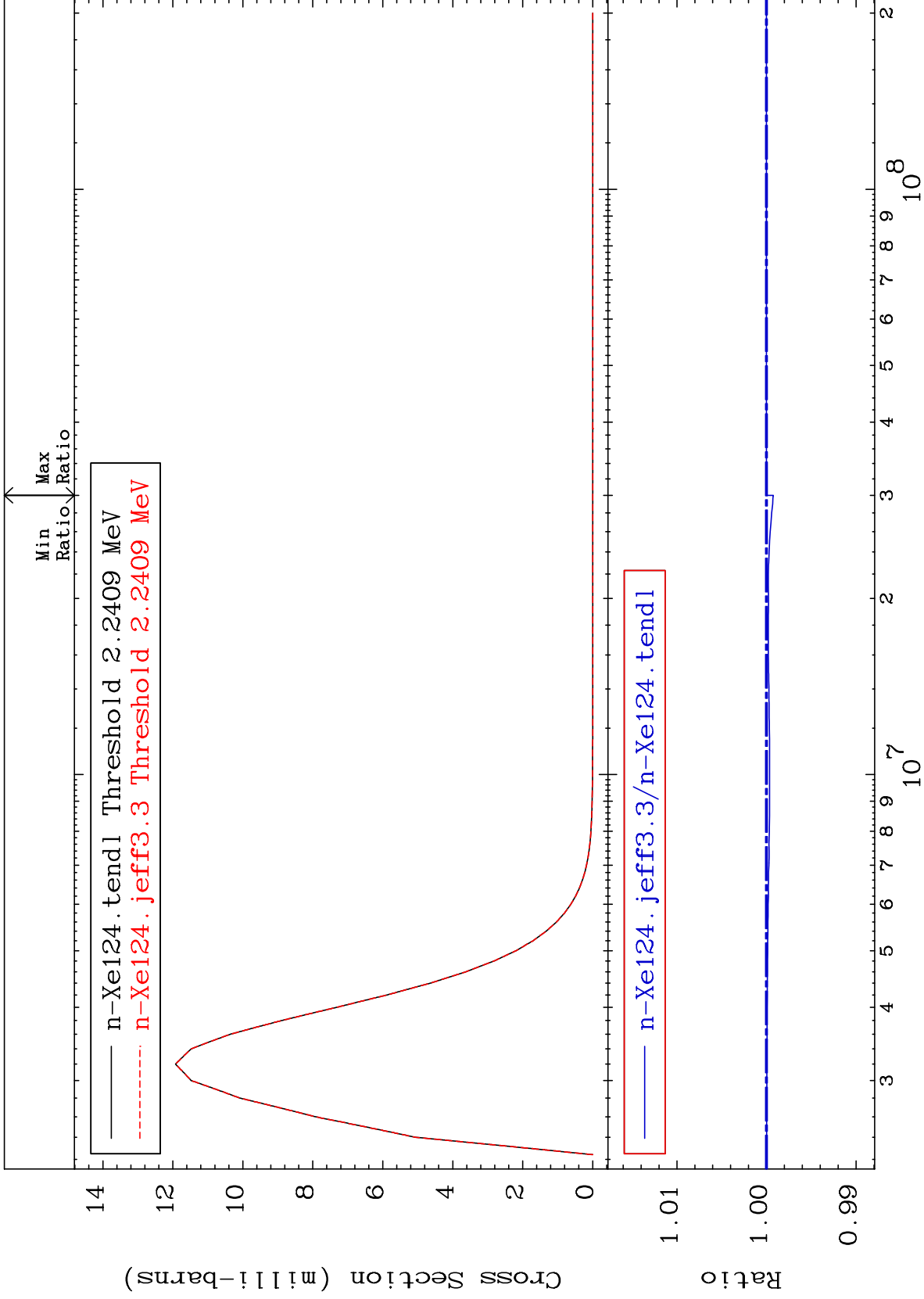
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

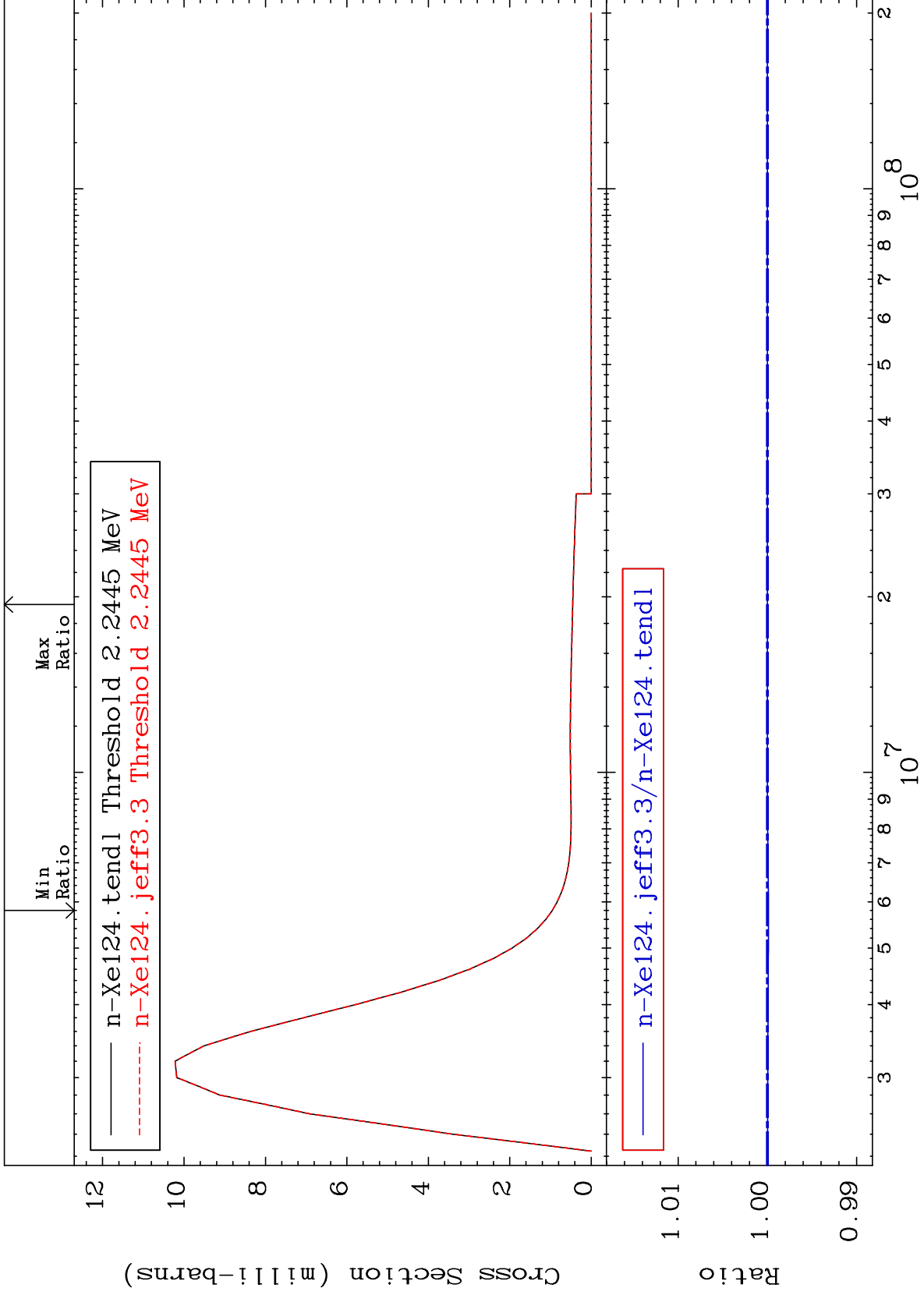
54-Xe-124
-0.077 To 0.000 %



MAT 5425

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

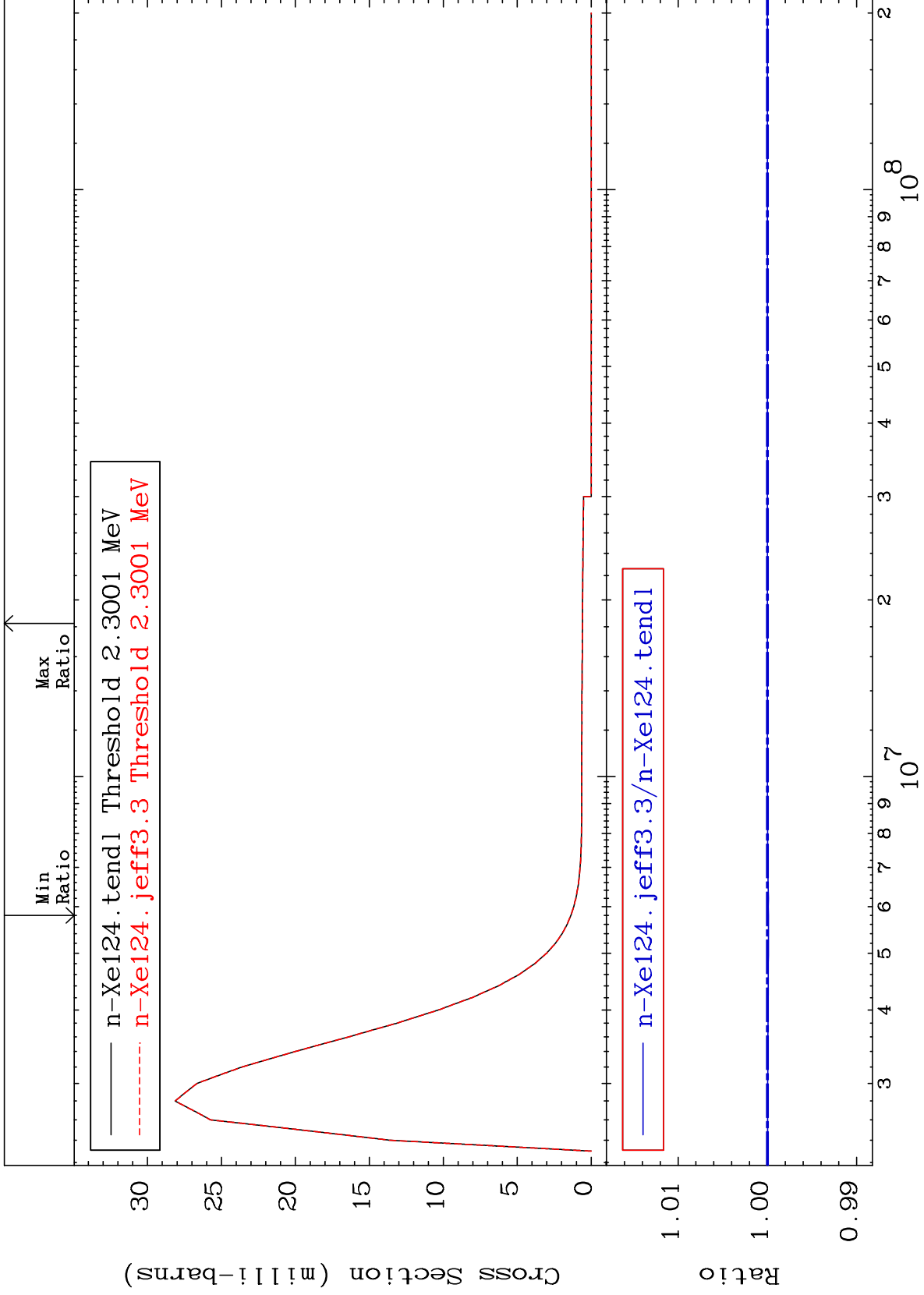
54-Xe-124
-0.012 To 0.000 %



MAT 5425

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

54-Xe-124
-0.012 To 0.000 %



30

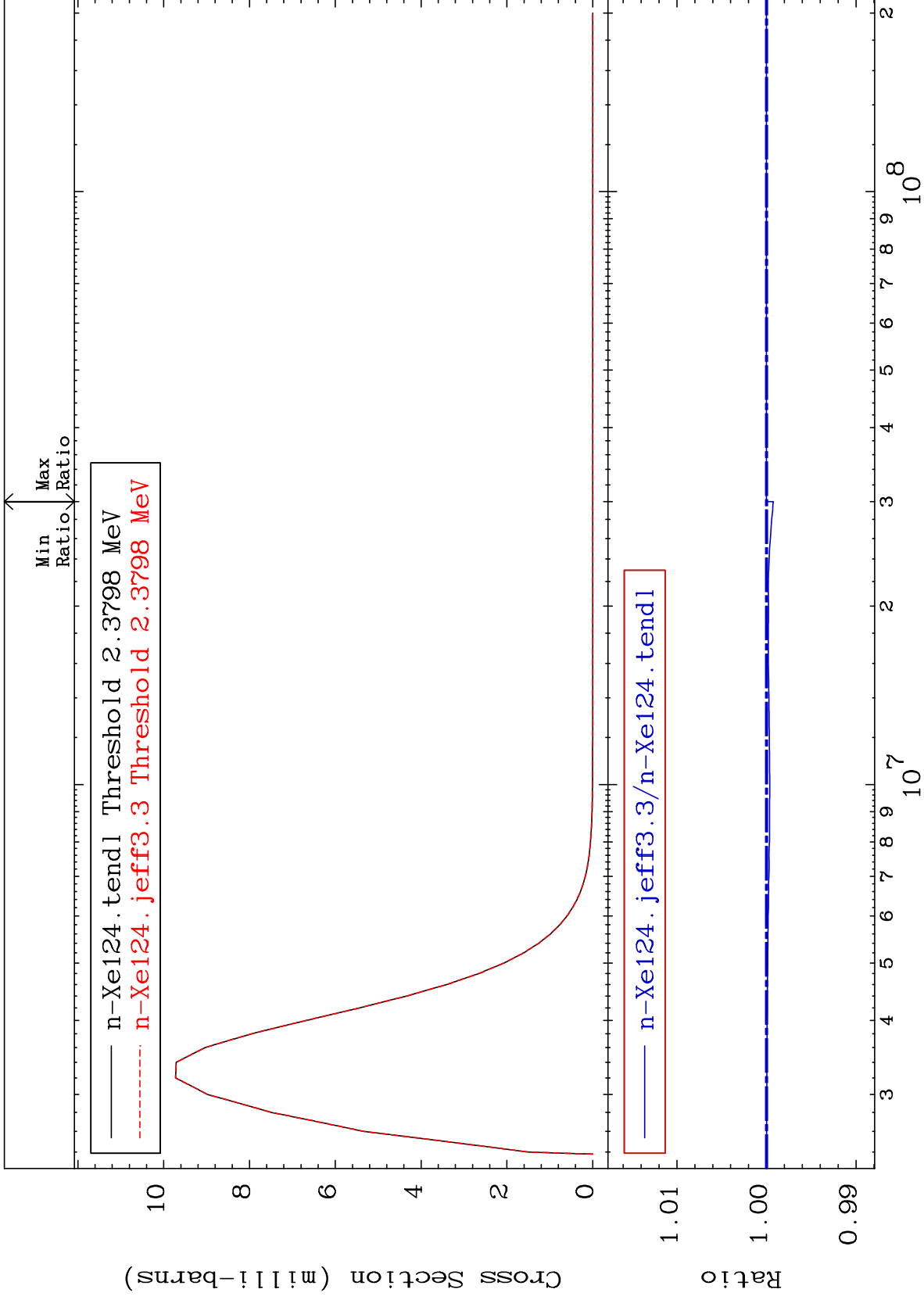
Incident Energy (eV)

54-Xe-124

MAT 5425

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

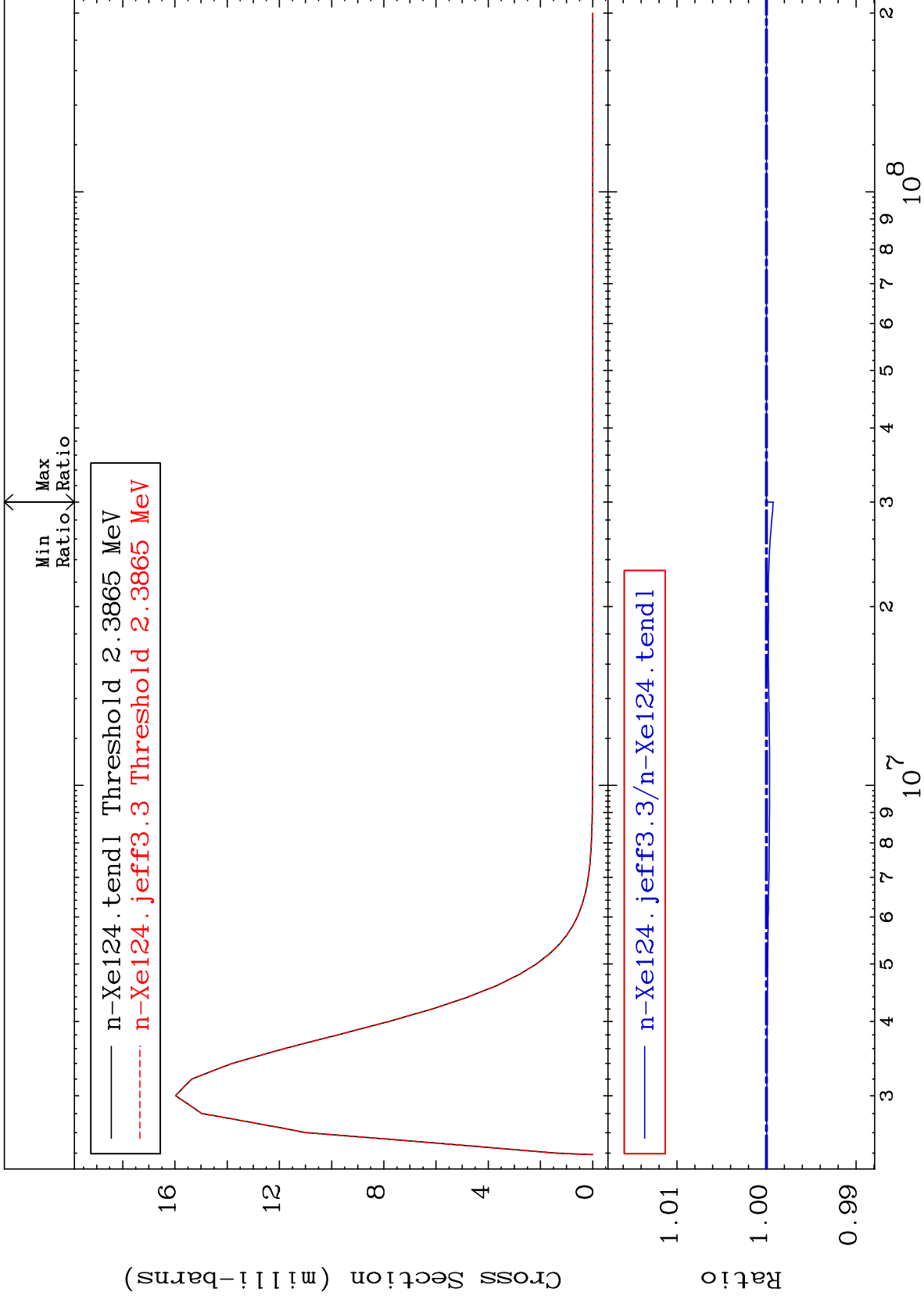
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

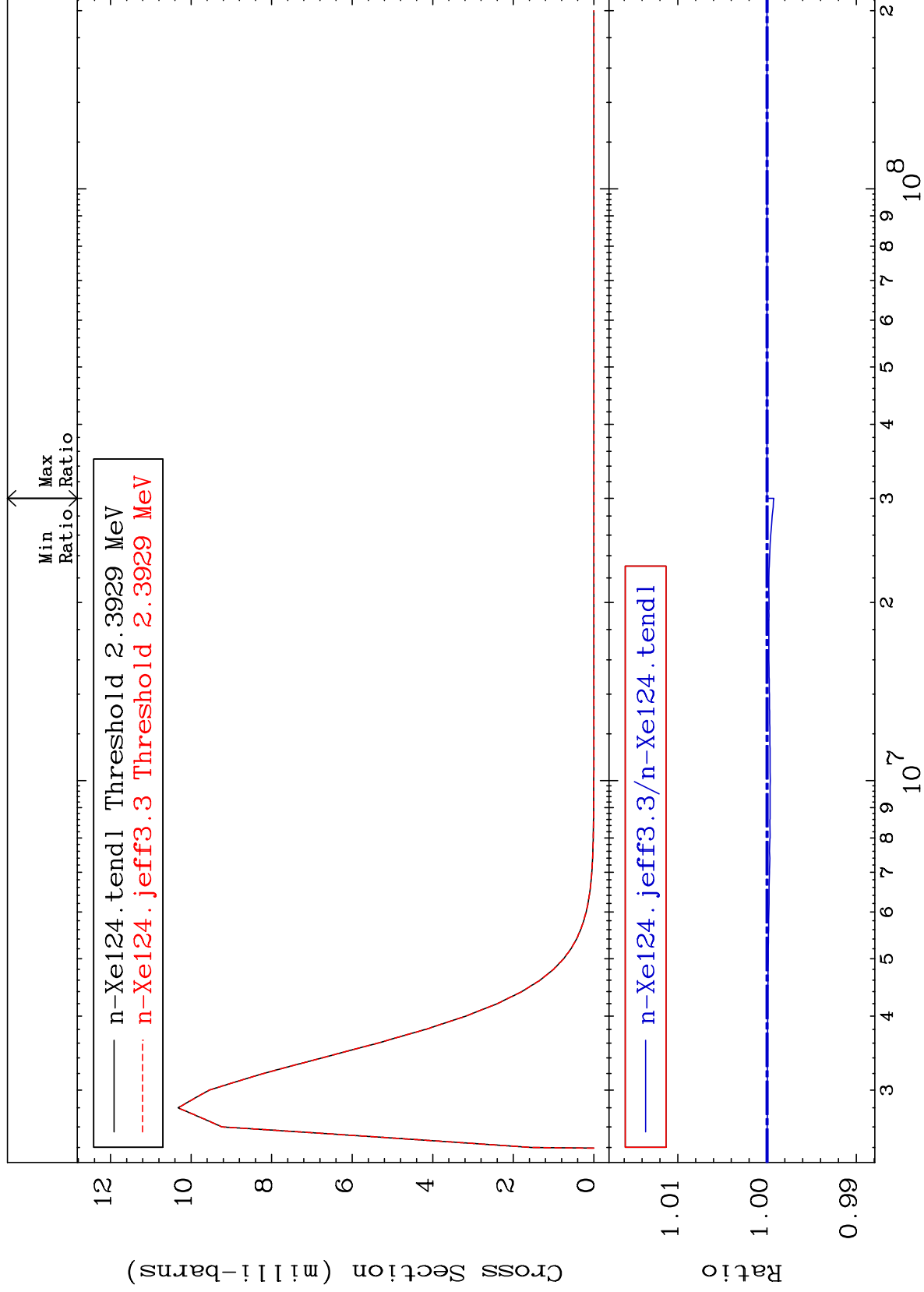
54-Xe-124
-0.077 To 0.000 %



MAT 5425

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

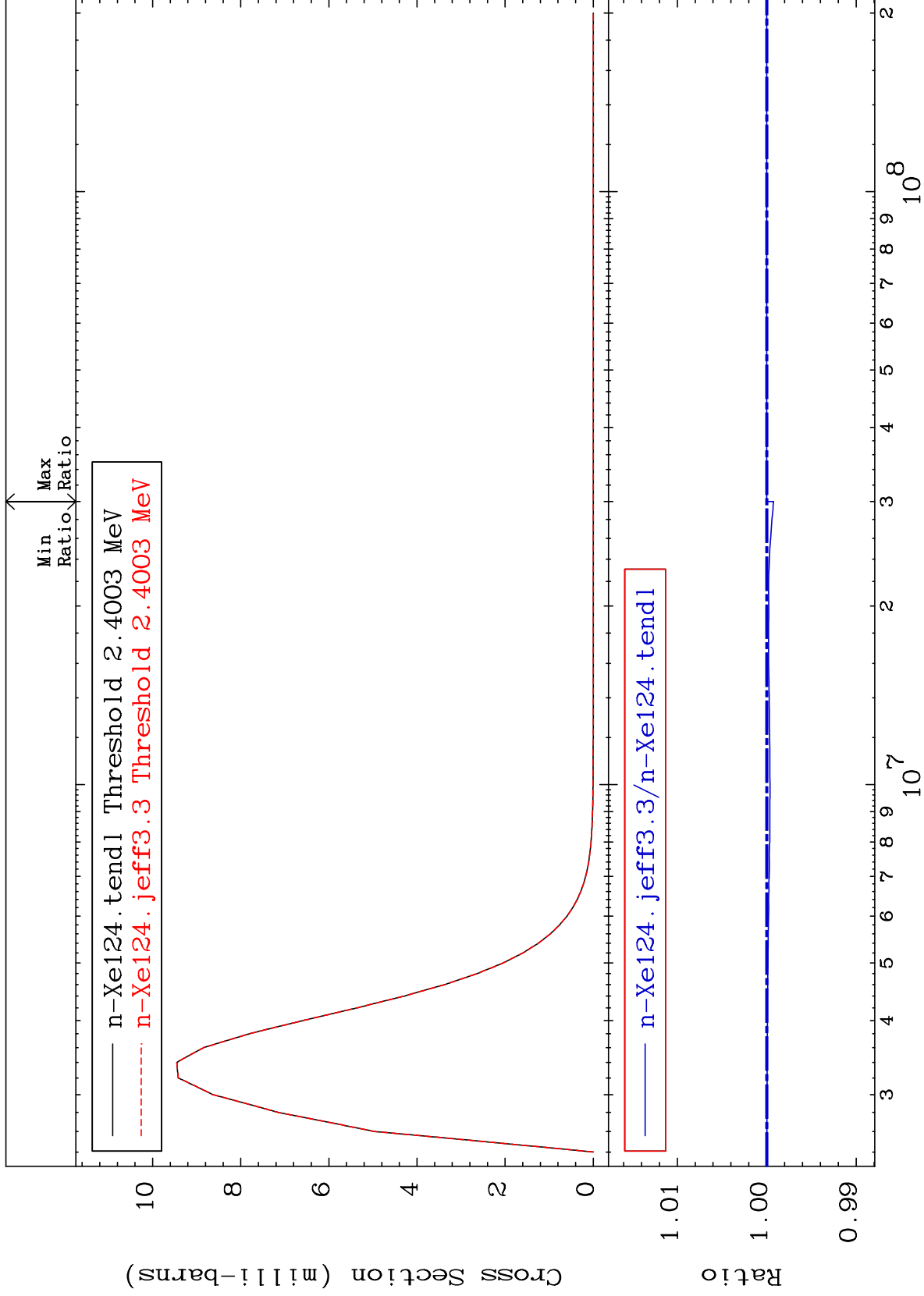
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

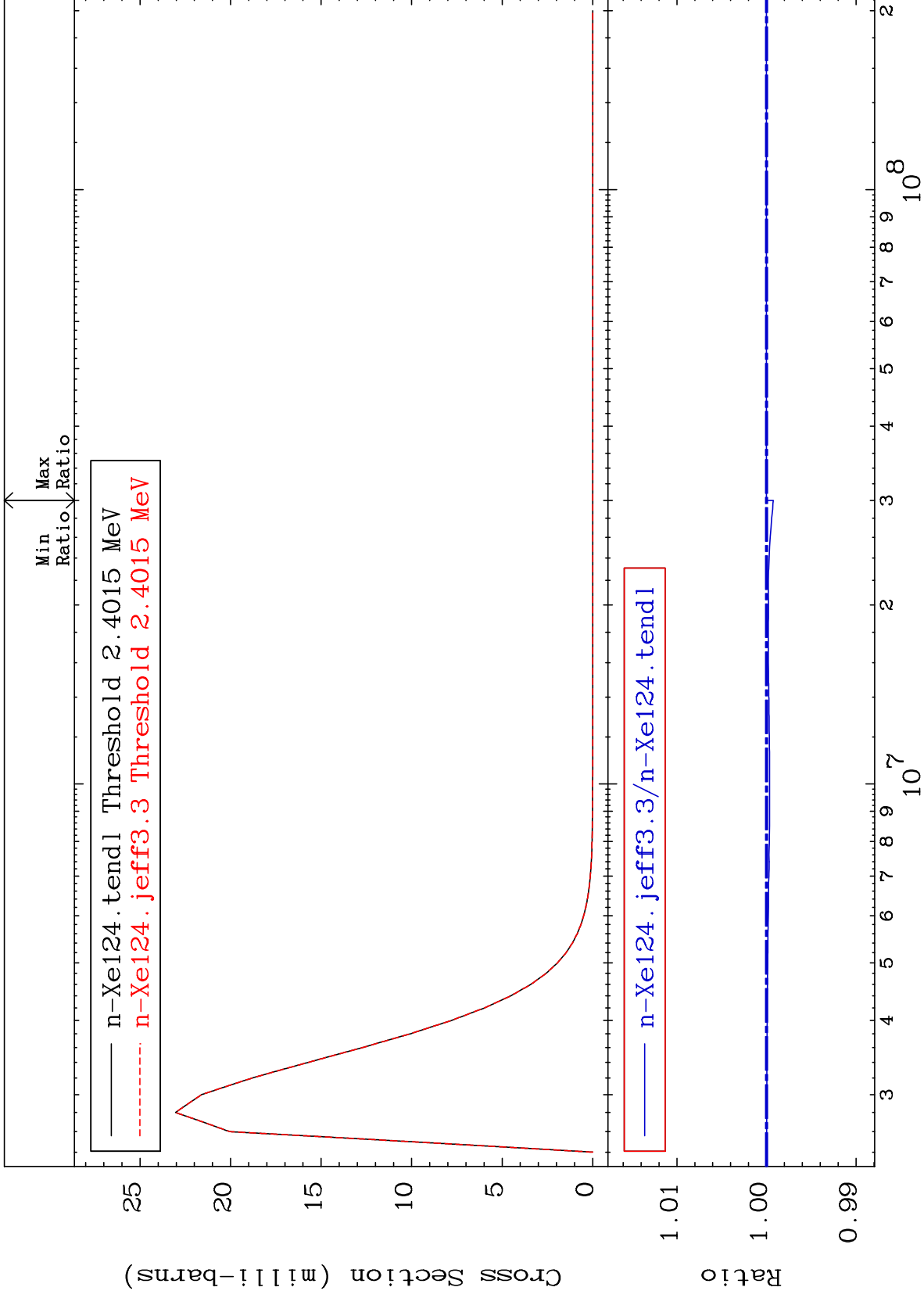
54-Xe-124
-0.076 To 0.000 %



MAT 5425

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

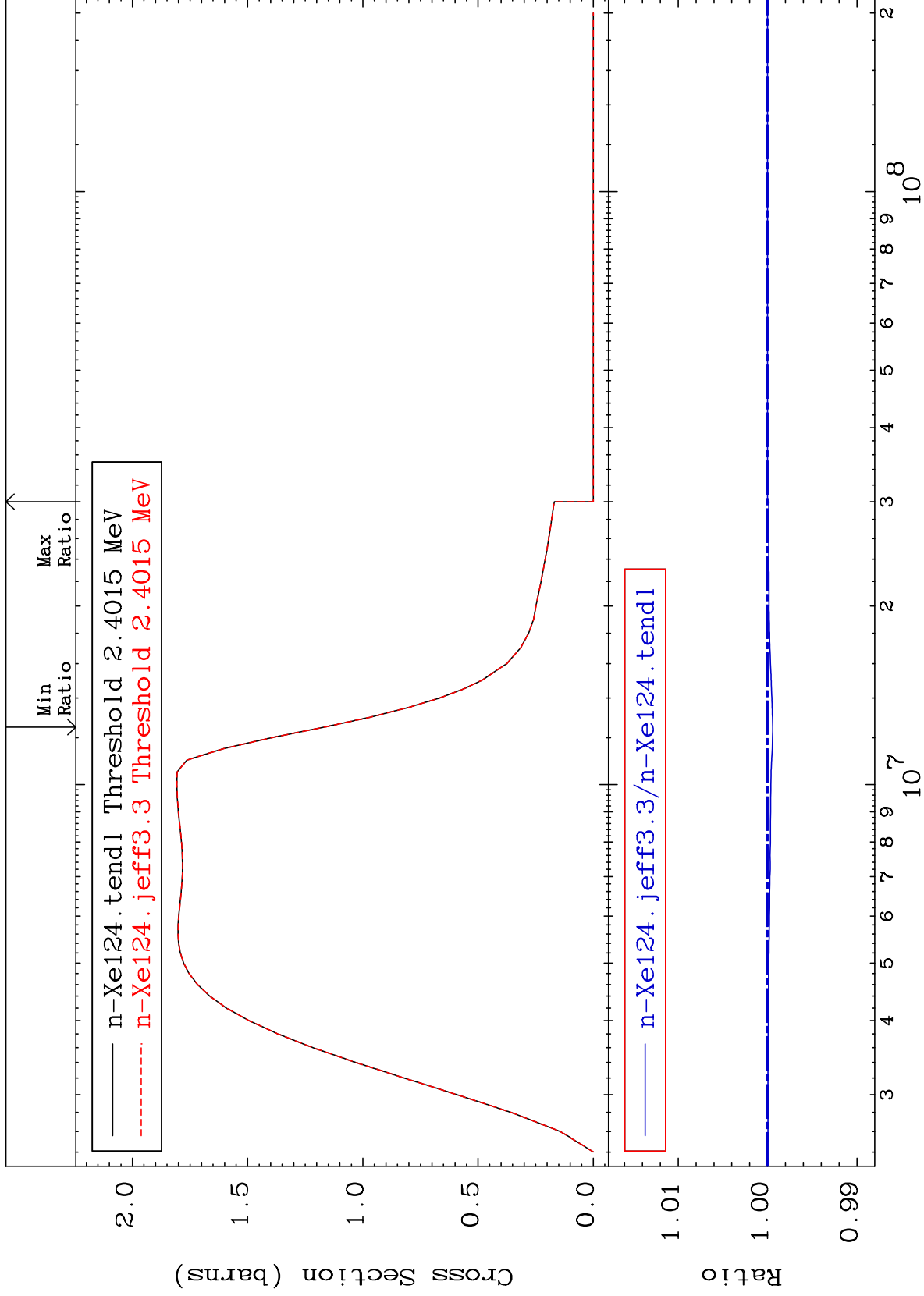
54-Xe-124
-0.076 To 0.000 %

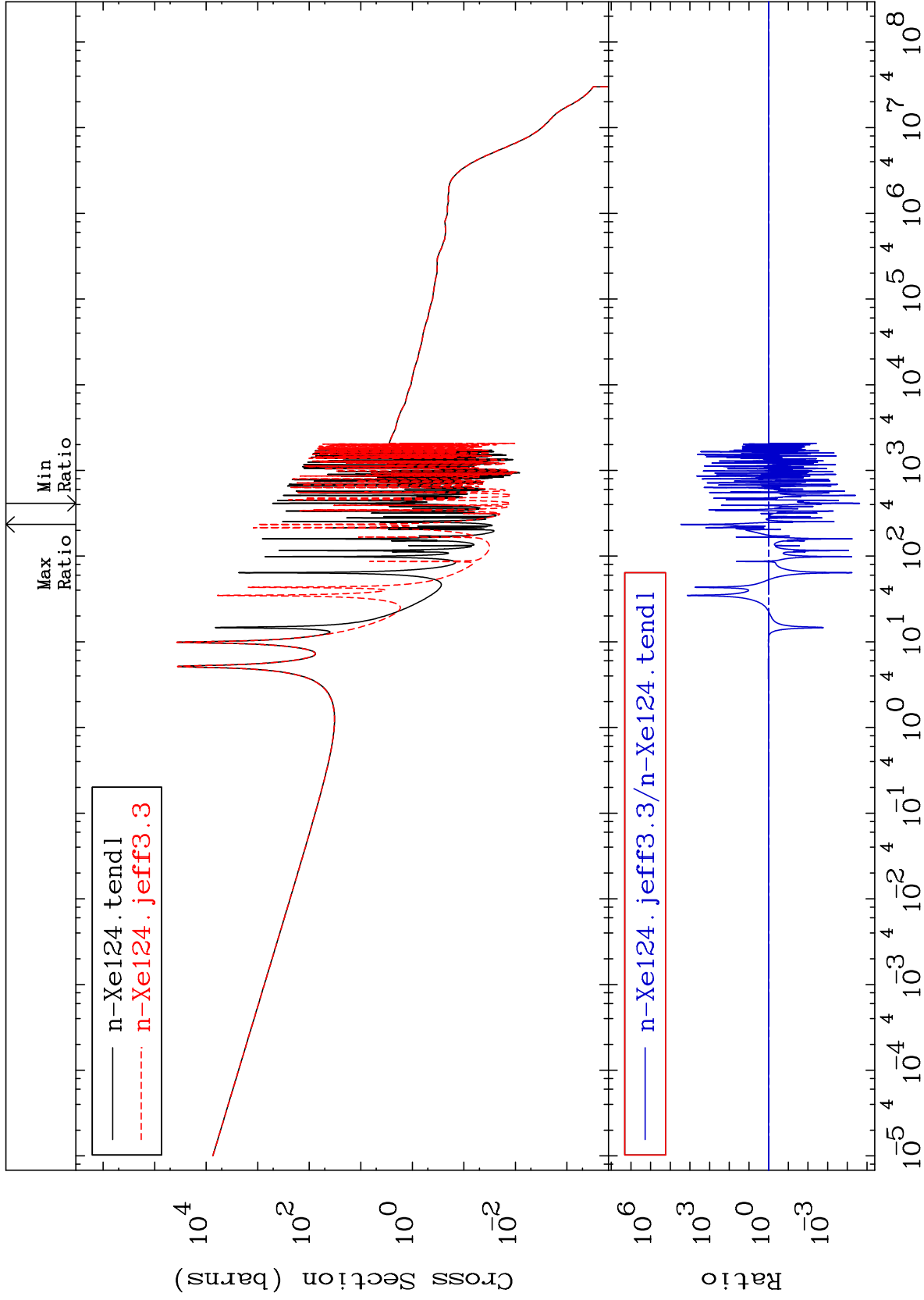


35

Incident Energy (eV)

54-Xe-124





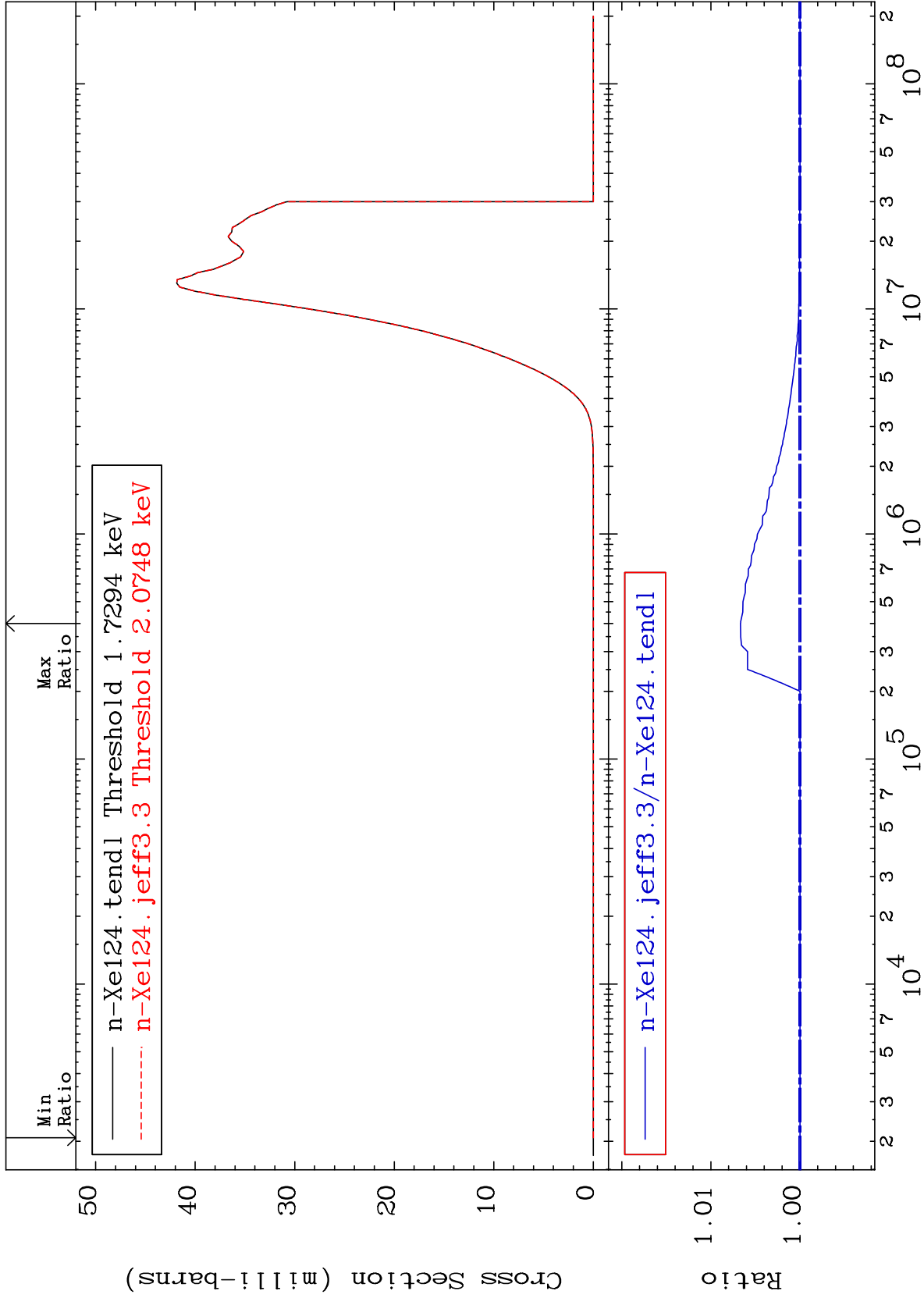
MAT 5425

54-Xe-124

(n,p)
Cross Section

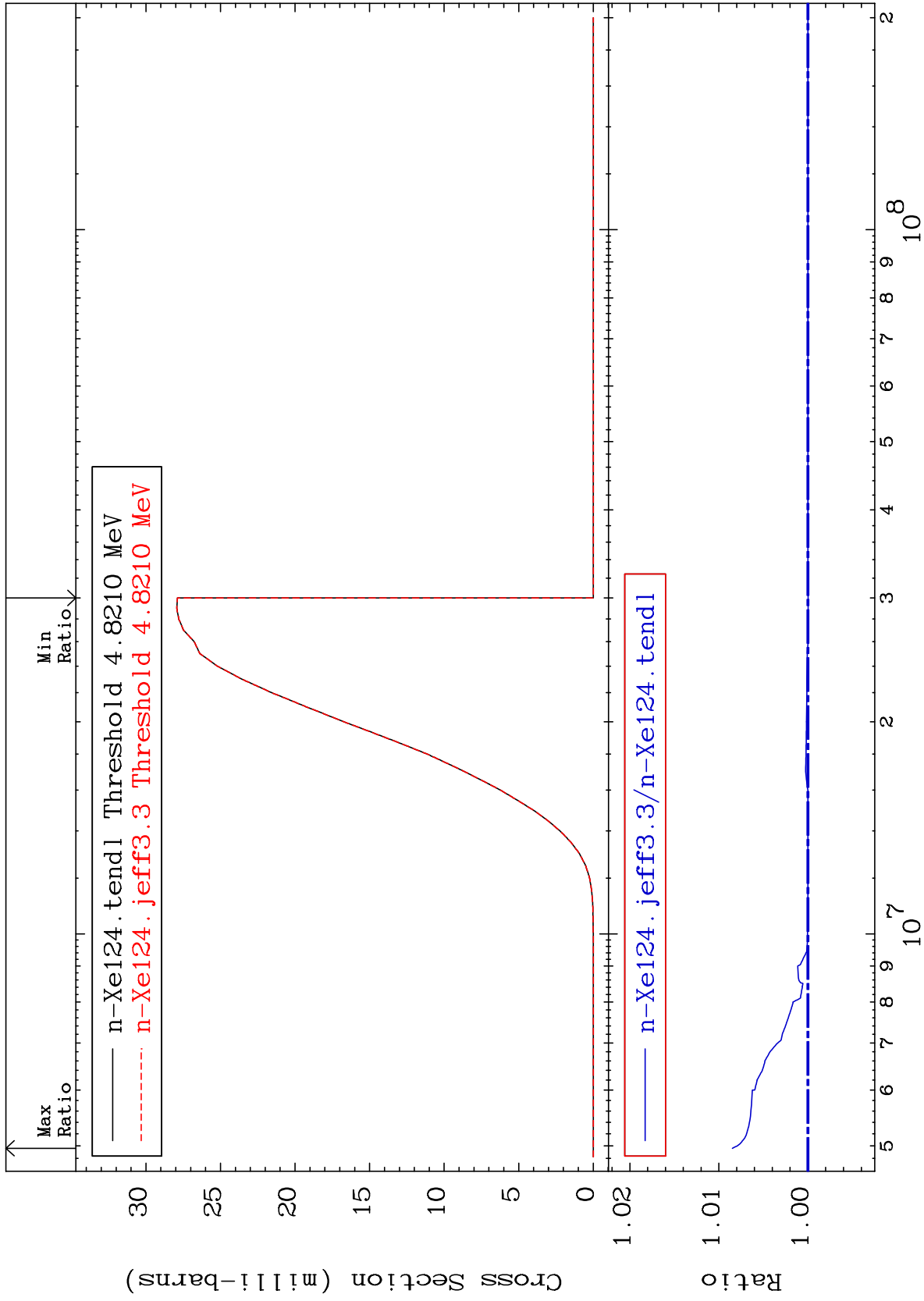
0.000

To 0.668 %



Cross Section

-0.002 To 0.850 %



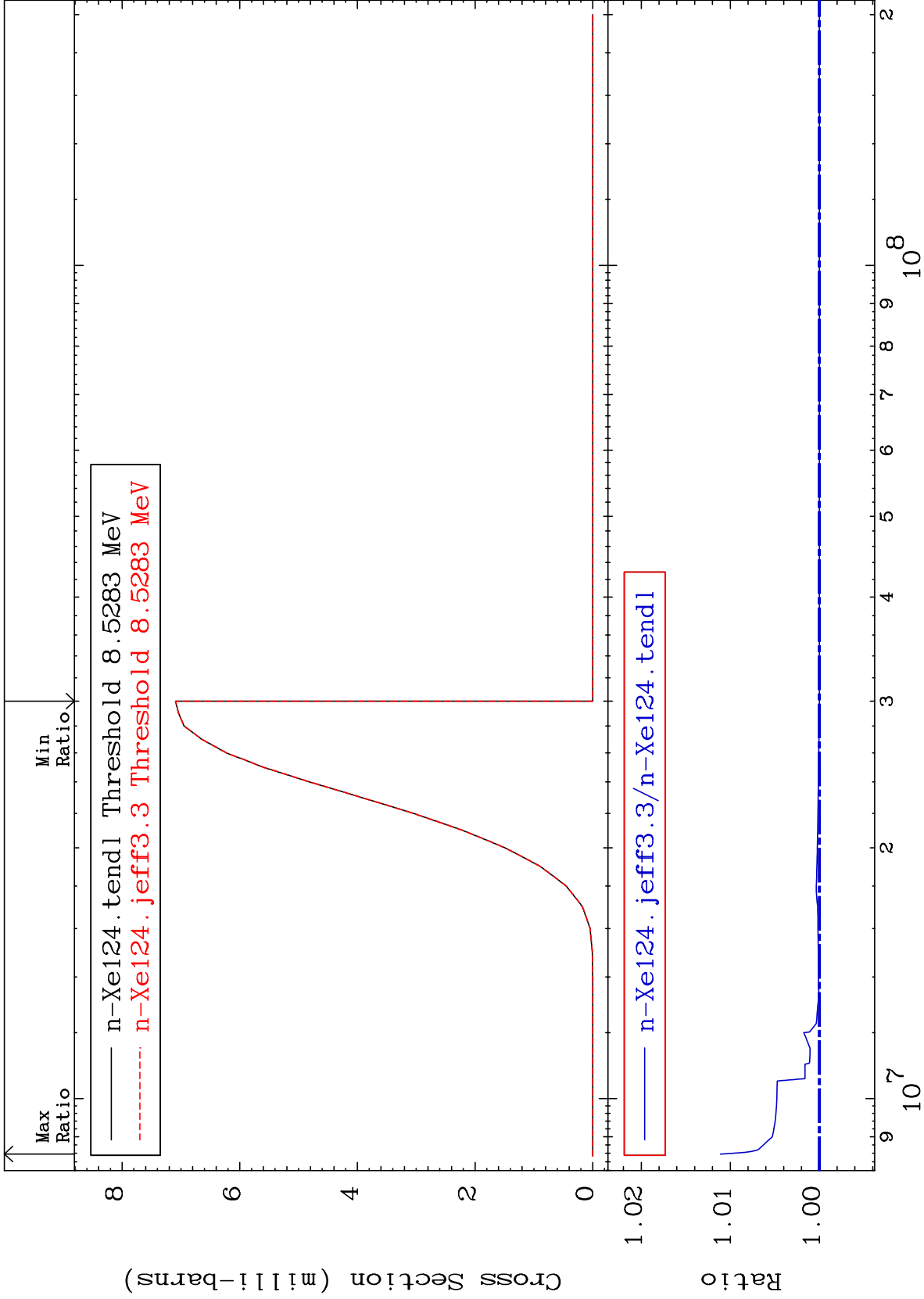
MAT 5425

54-Xe-124

(n, t)

Cross Section

0.000 To 1.111 %



MAT 5425

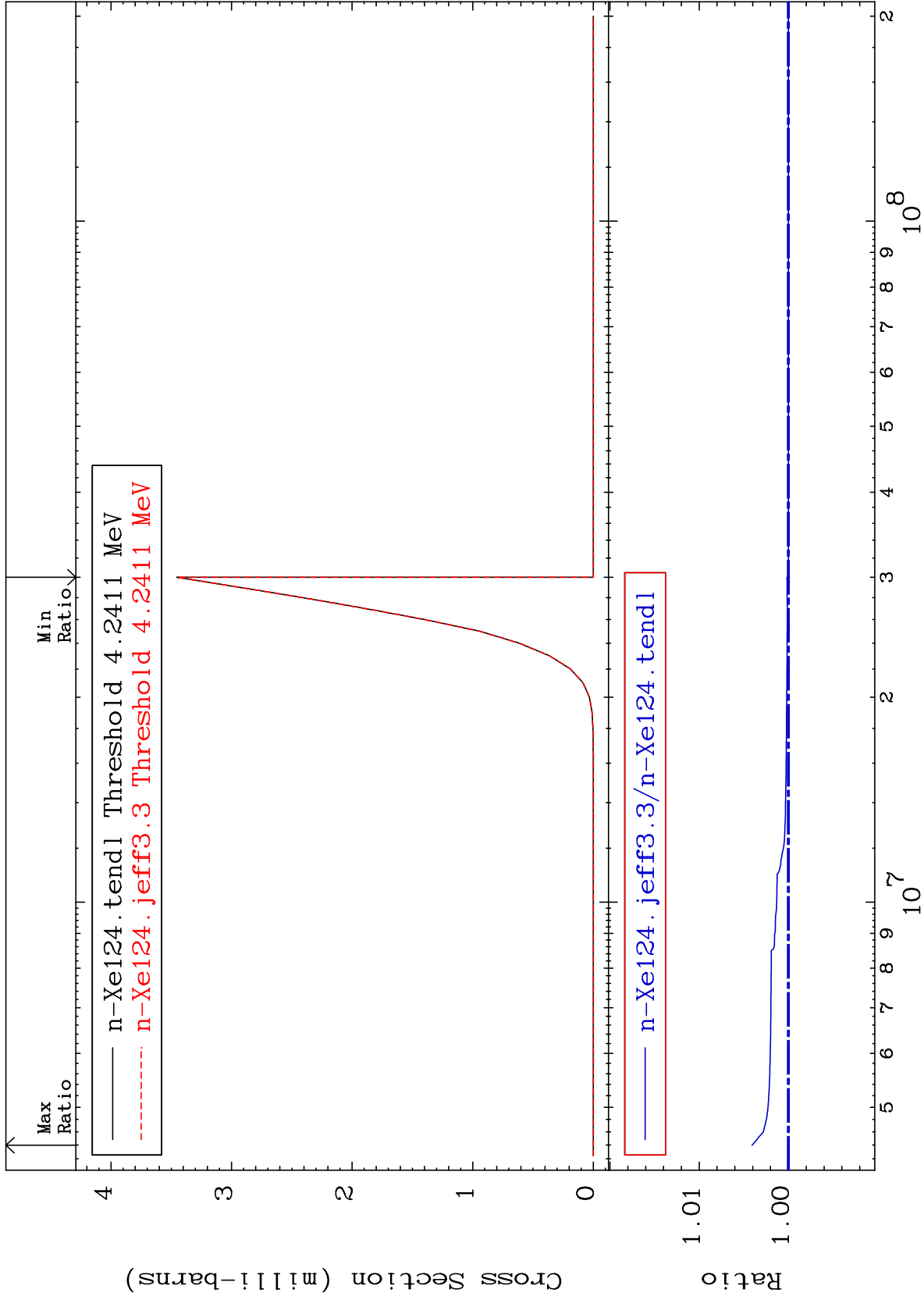
(n, He-3)

54-Xe-124

Cross Section

0.000

To 0.408 %



41

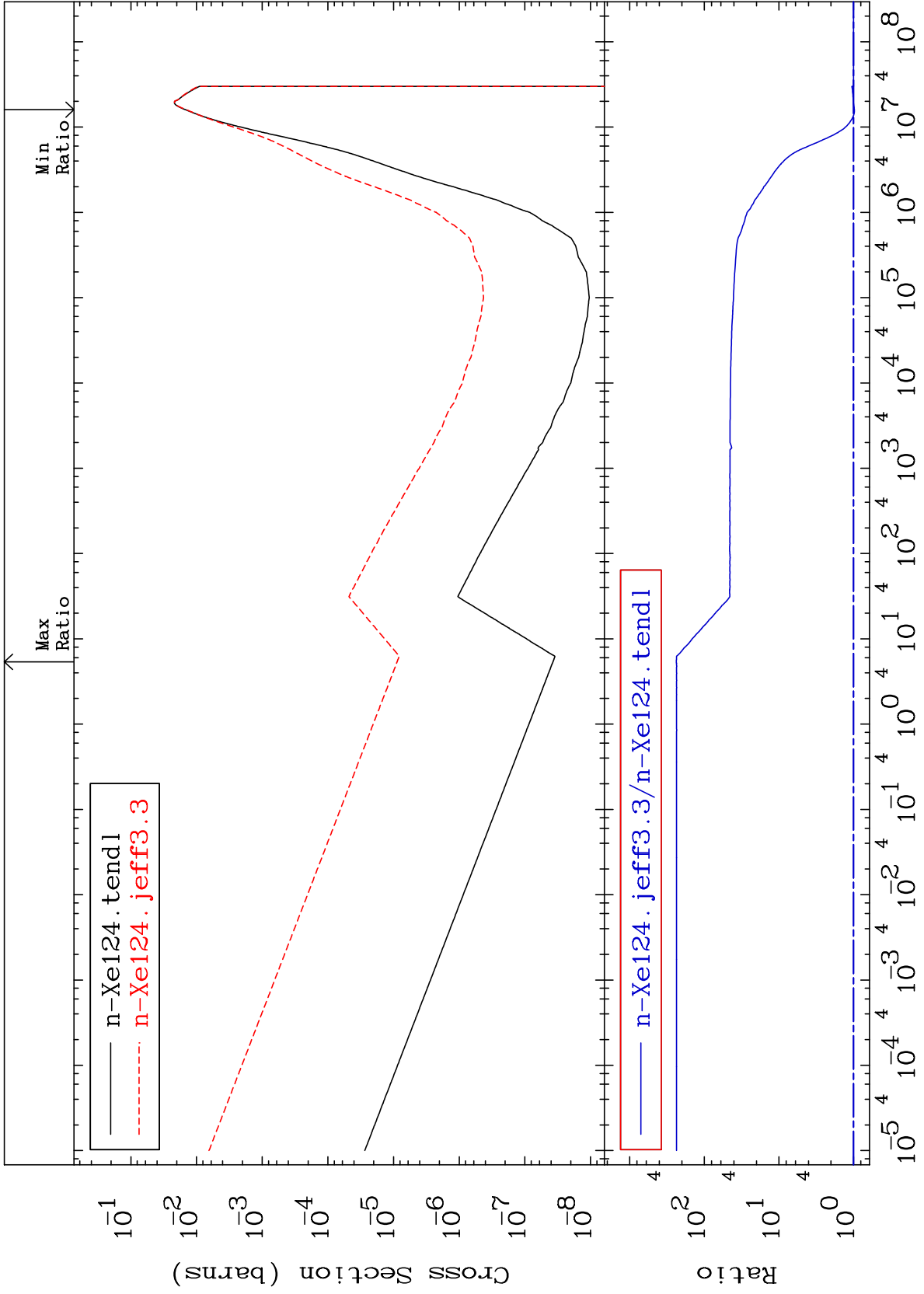
Incident Energy (eV)

54-Xe-124

MAT 5425

(n, α)
Cross Section

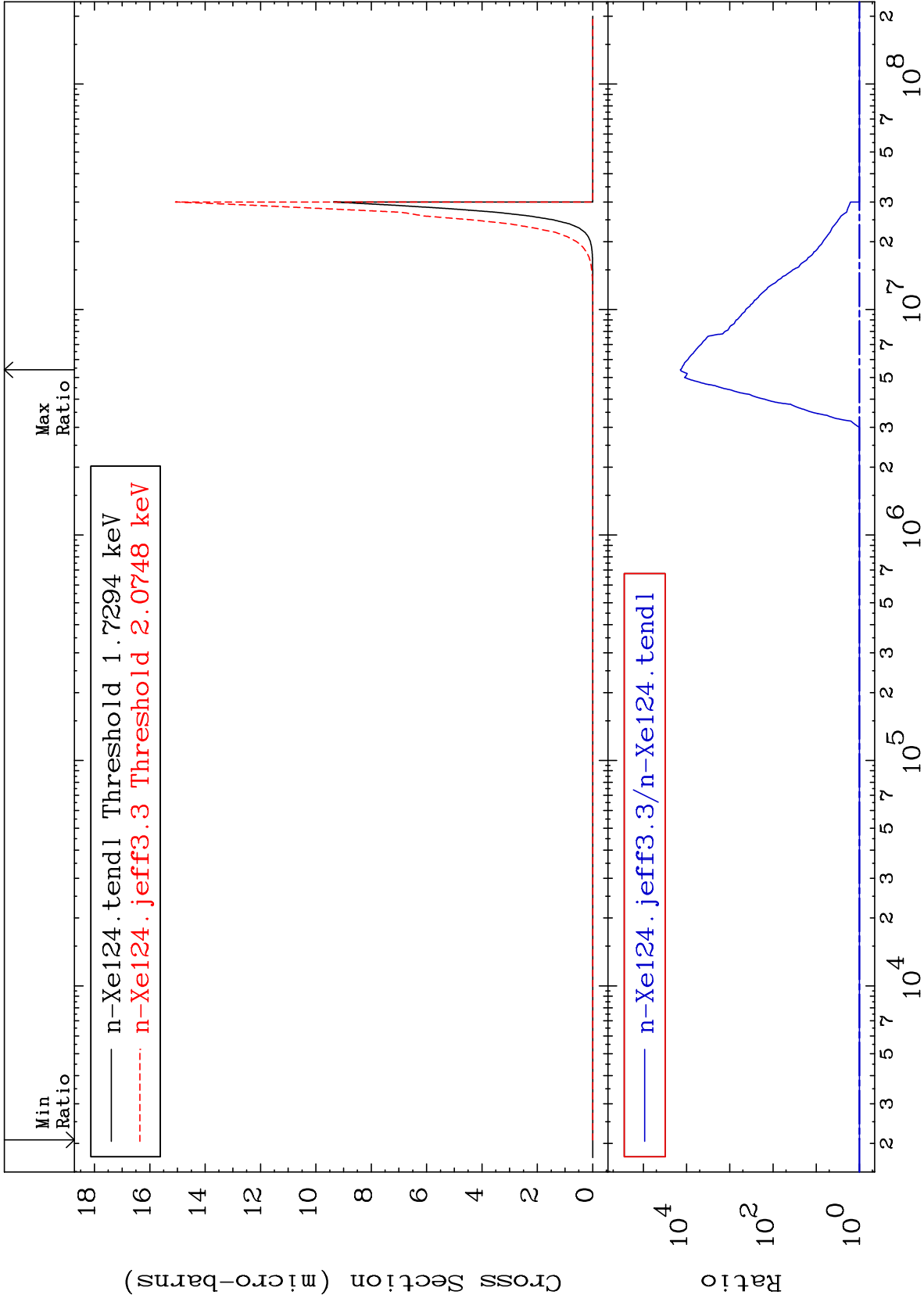
54-Xe-124
-2.714 To 9999. %



Incident Energy (eV)

54-Xe-124

42



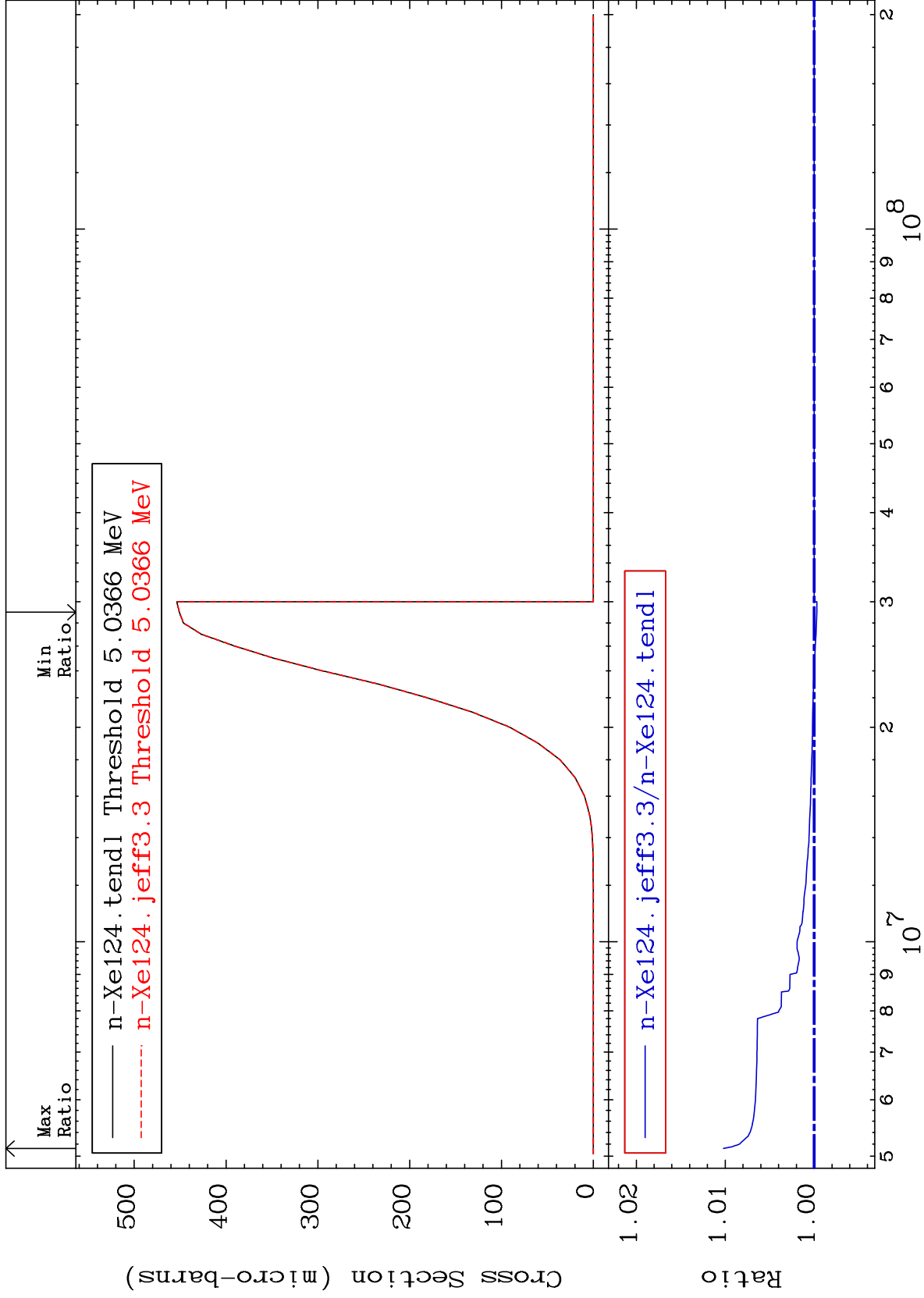
MAT 5425

(n,2p)

54-Xe-124

Cross Section

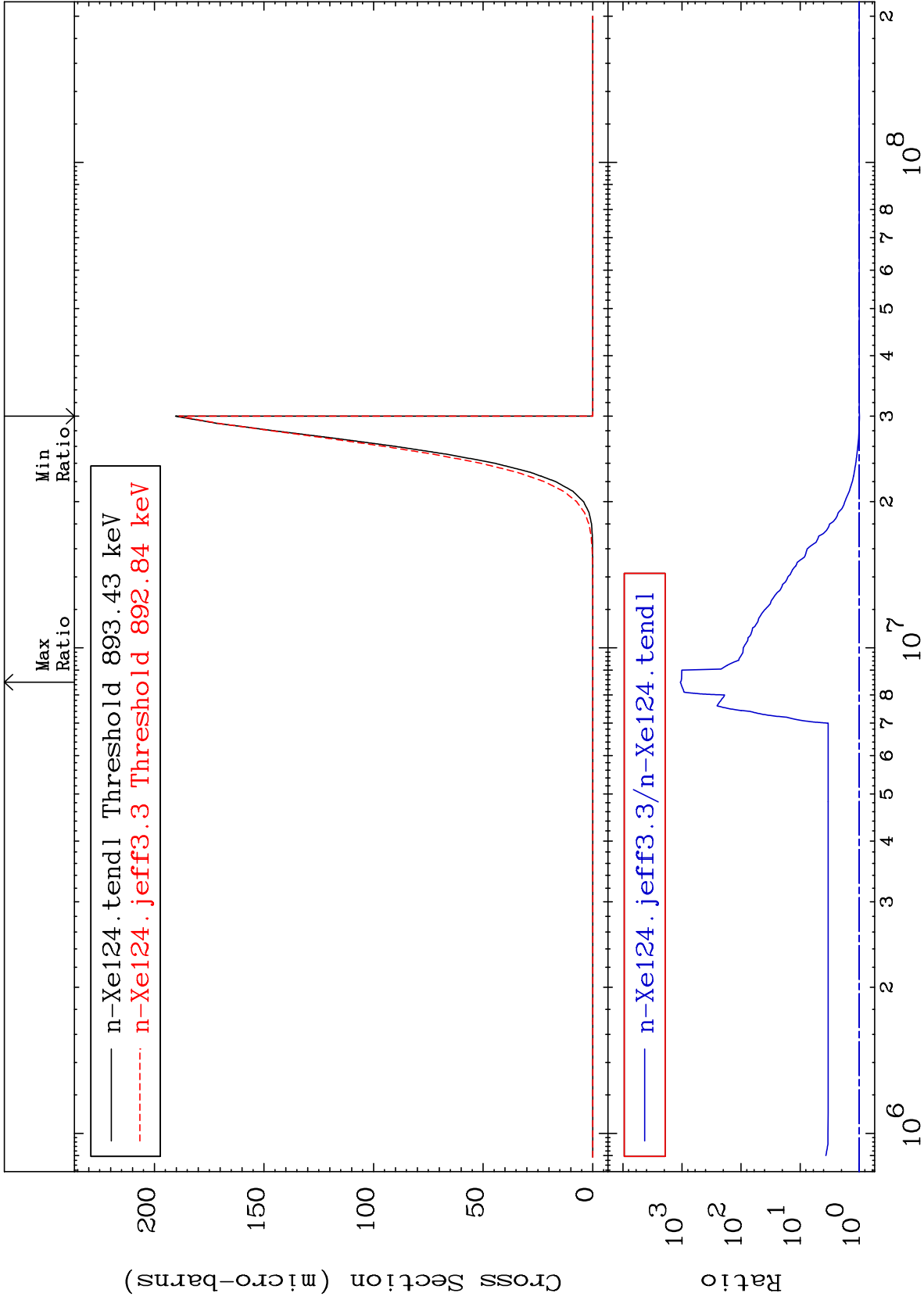
-0.030 To 1.020 %



44

Incident Energy (eV)

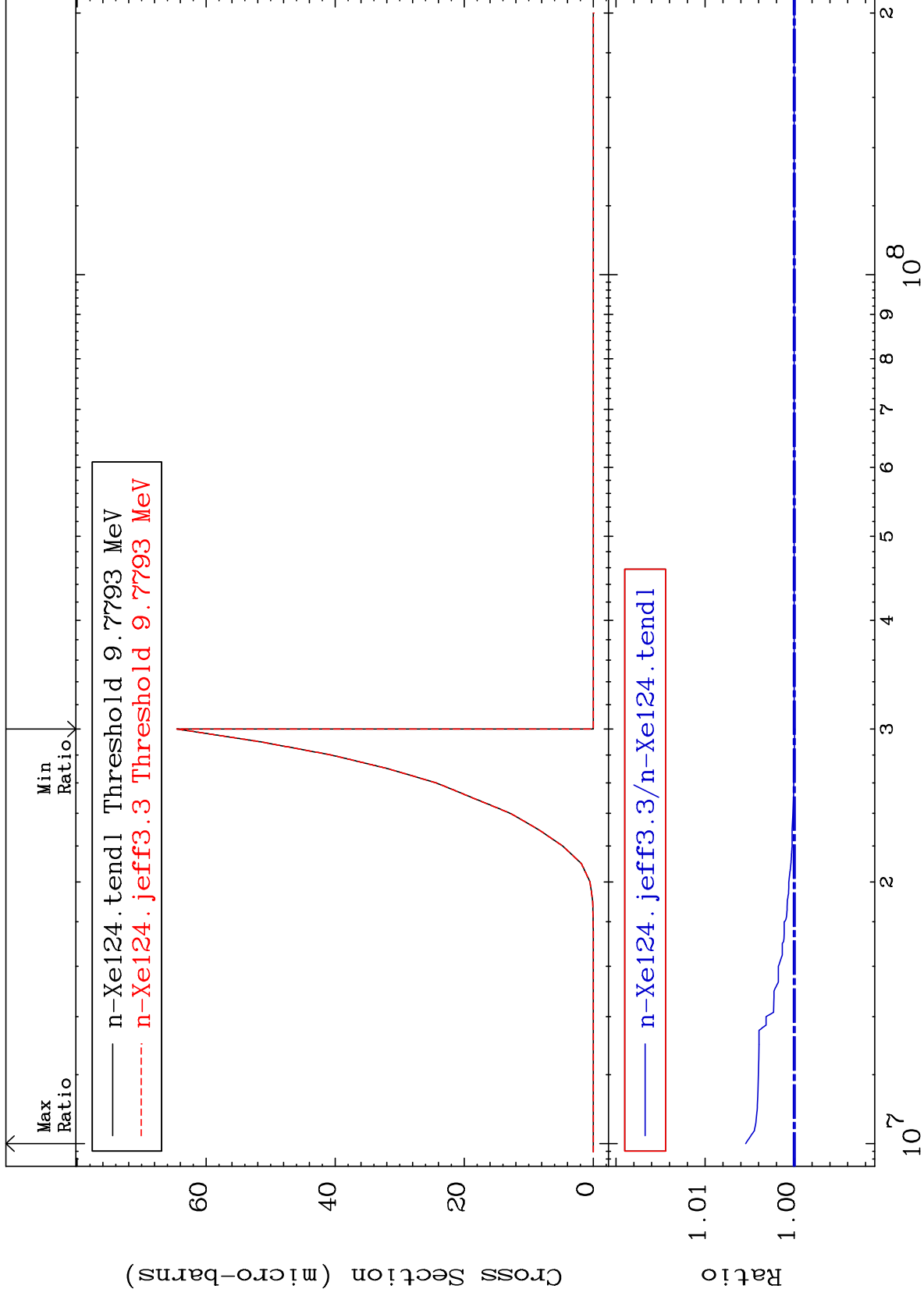
54-Xe-124



MAT 5425

(n, p) d
Cross Section

54-Xe-124
-0.005 To 0.546 %



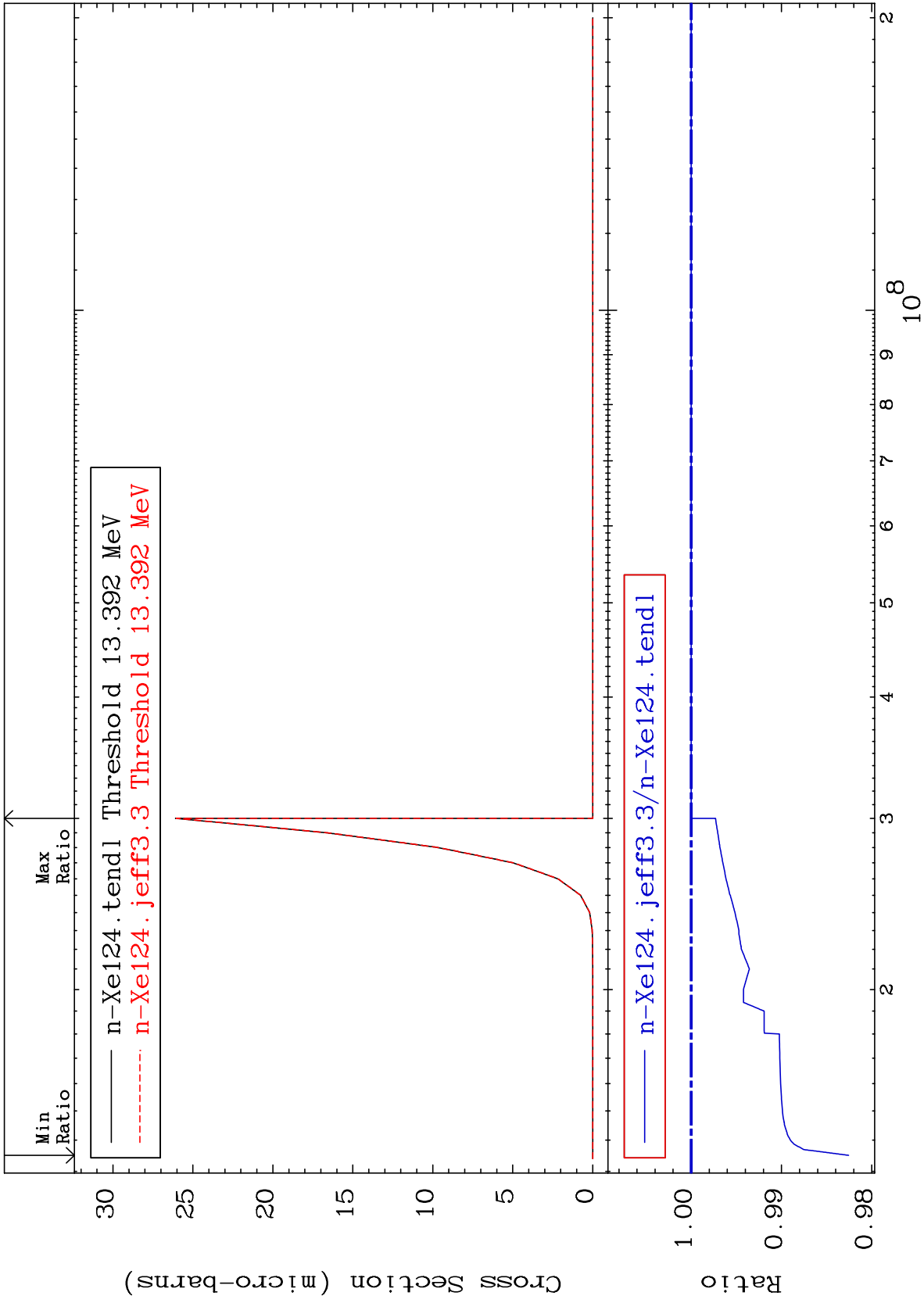
46

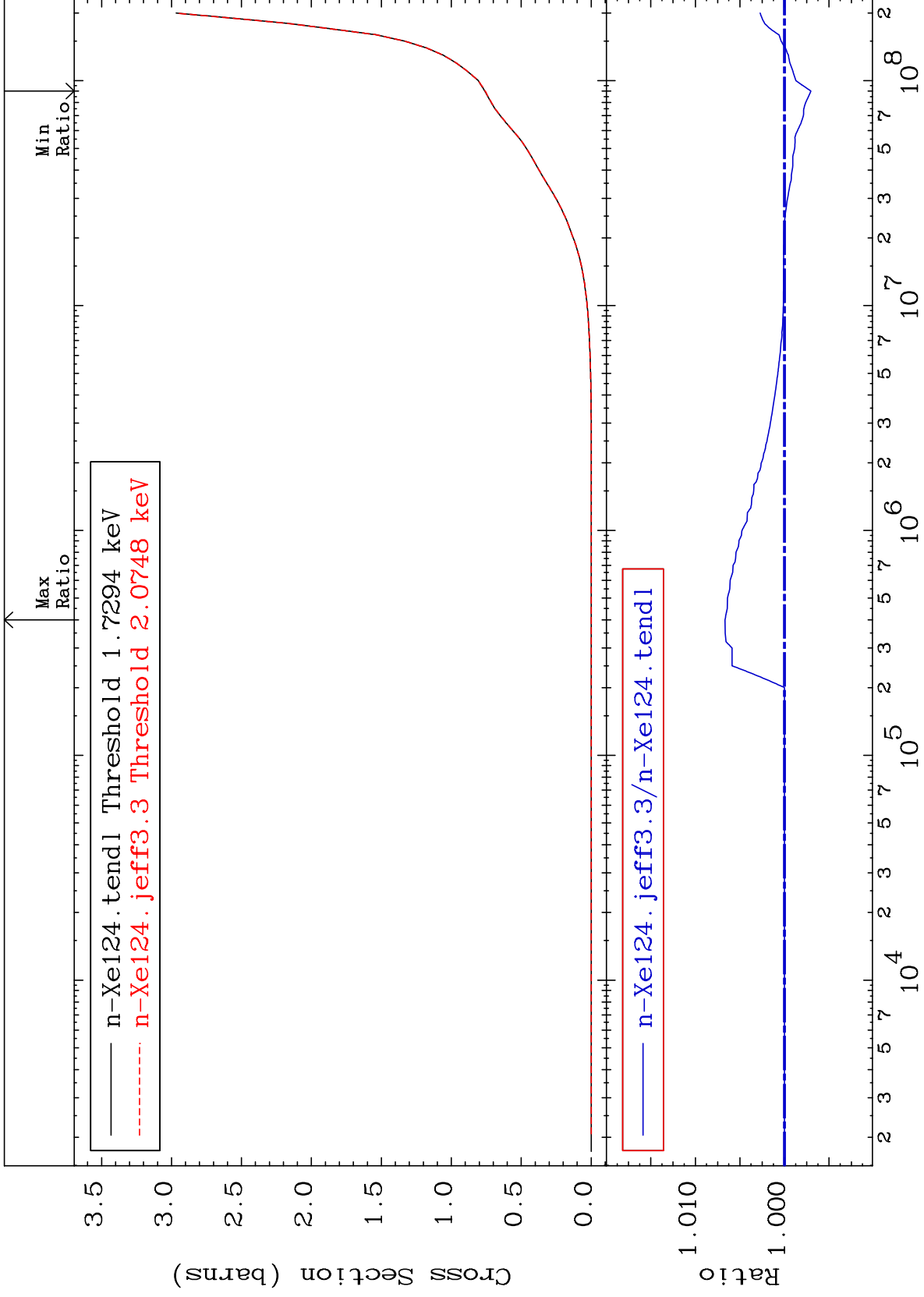
Incident Energy (eV)

54-Xe-124

Cross Section

-1.743 To 0.000 %

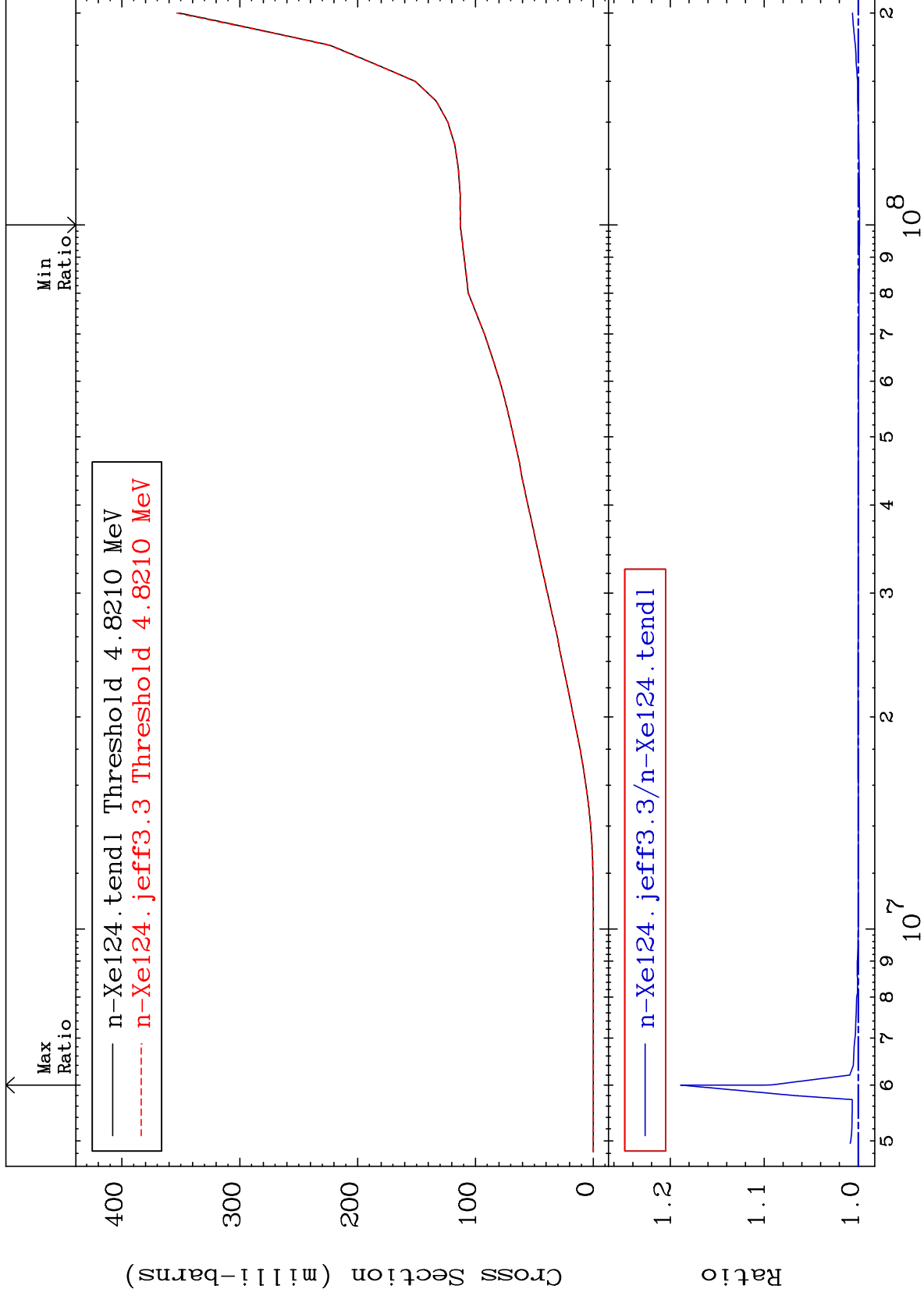




MAT 5425

Deuterium Production
Cross Section

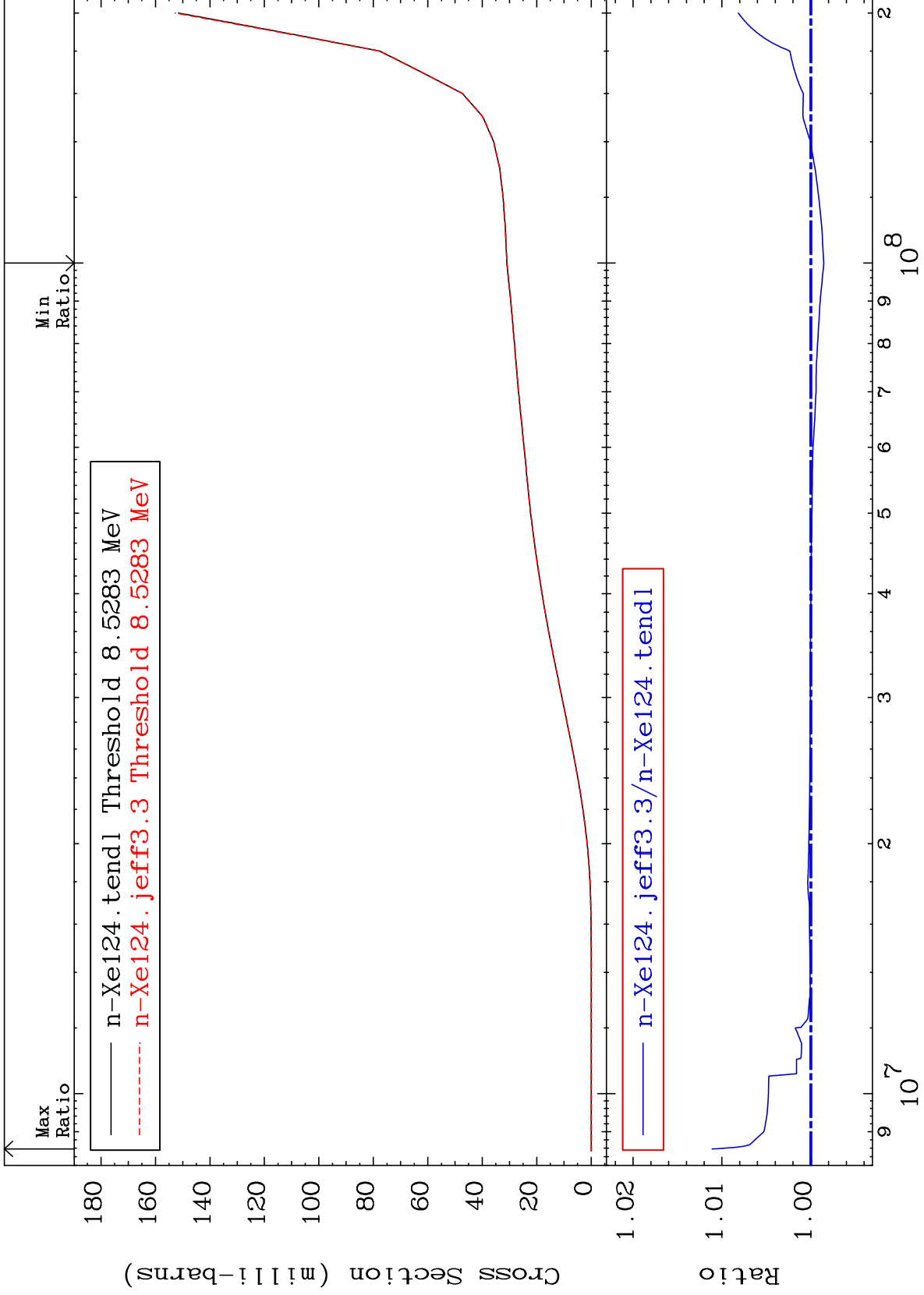
54-Xe-124
-0.140 To 18.89 %



MAT 5425

Tritium Production
Cross Section

54-Xe-124
-0.146 To 1.111 %



51

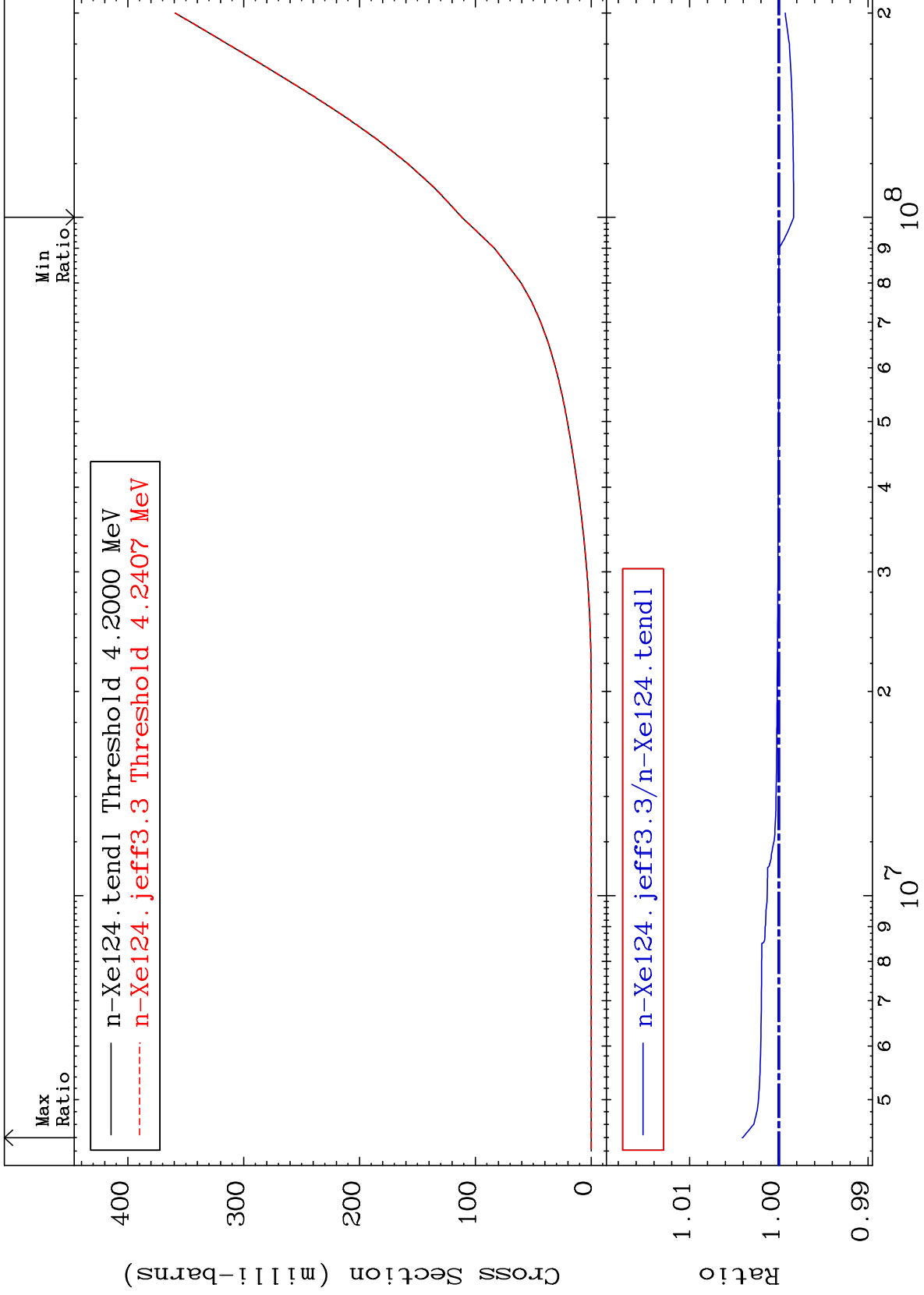
Incident Energy (eV)

54-Xe-124

MAT 5425

He-3 Production
Cross Section

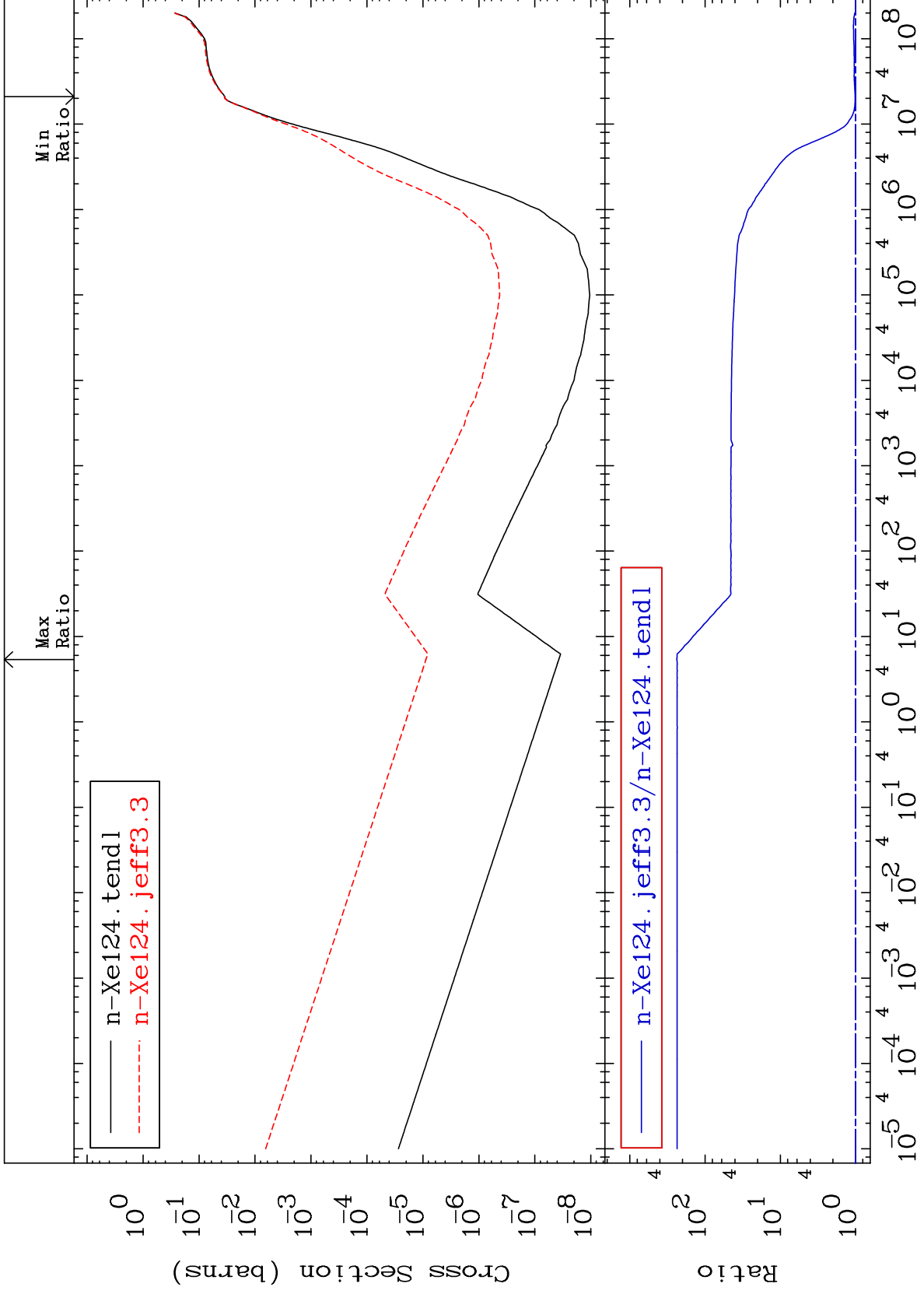
54-Xe-124
-0.166 To 0.411 %

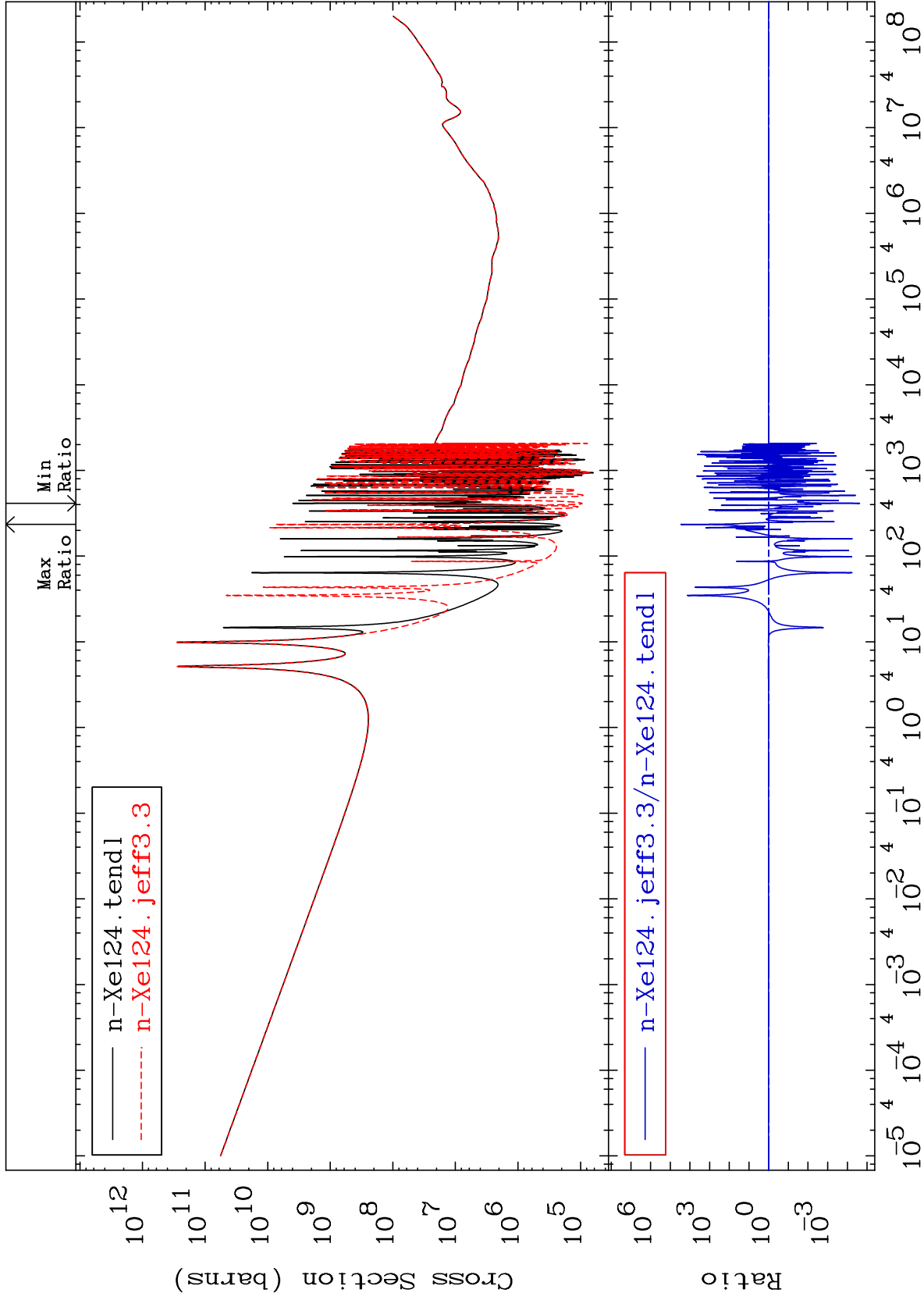


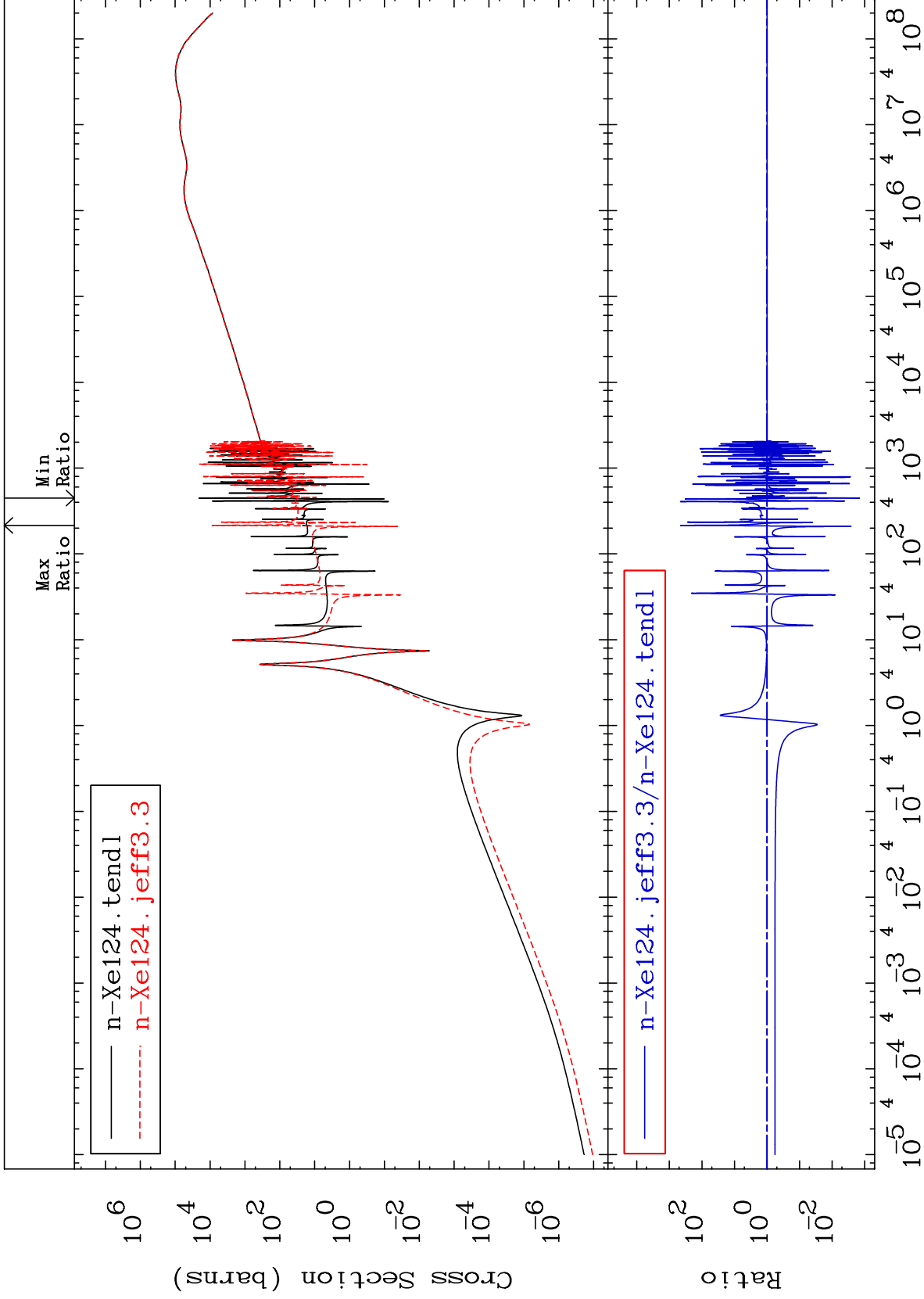
MAT 5425

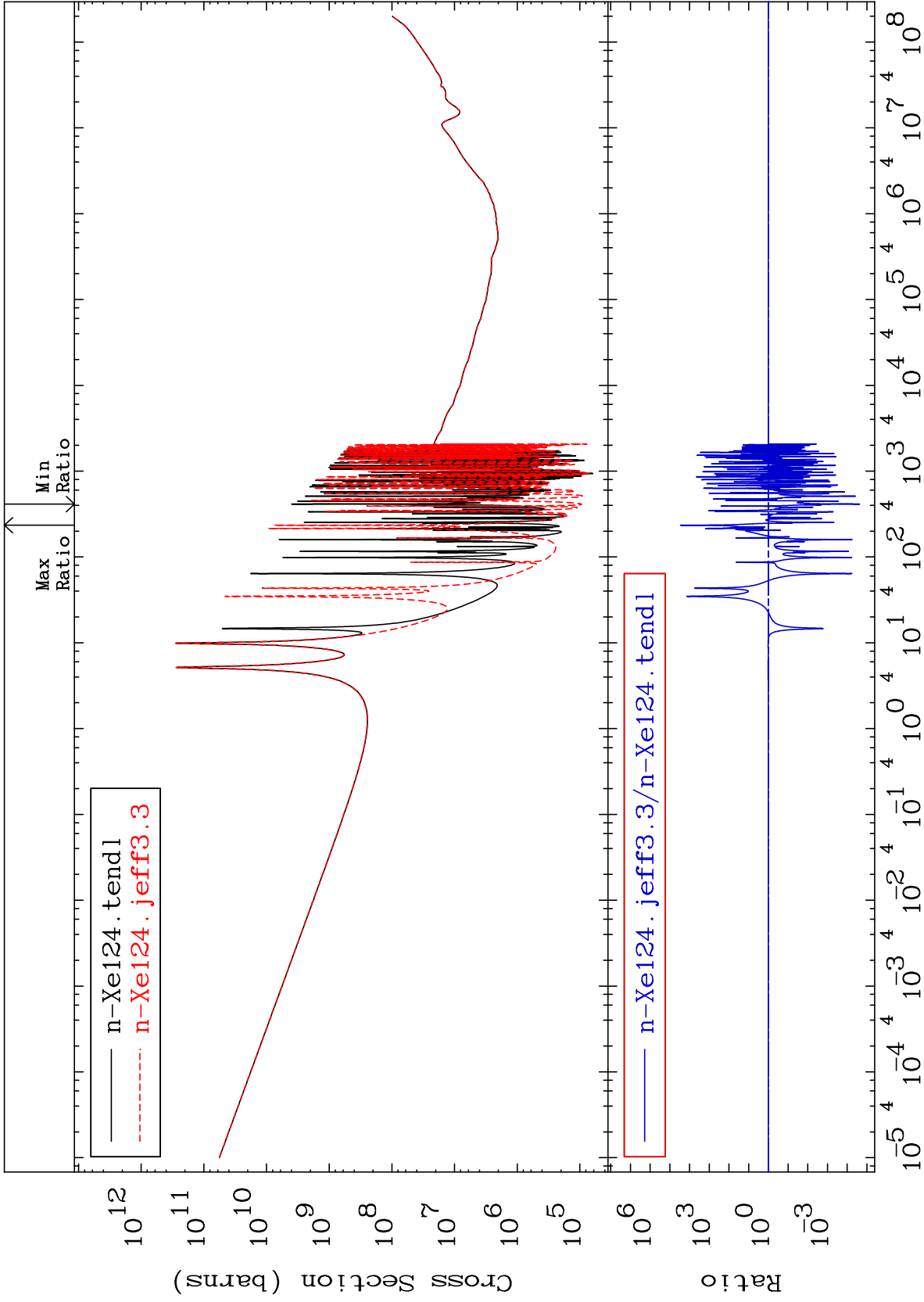
He-4 Production
Cross Section

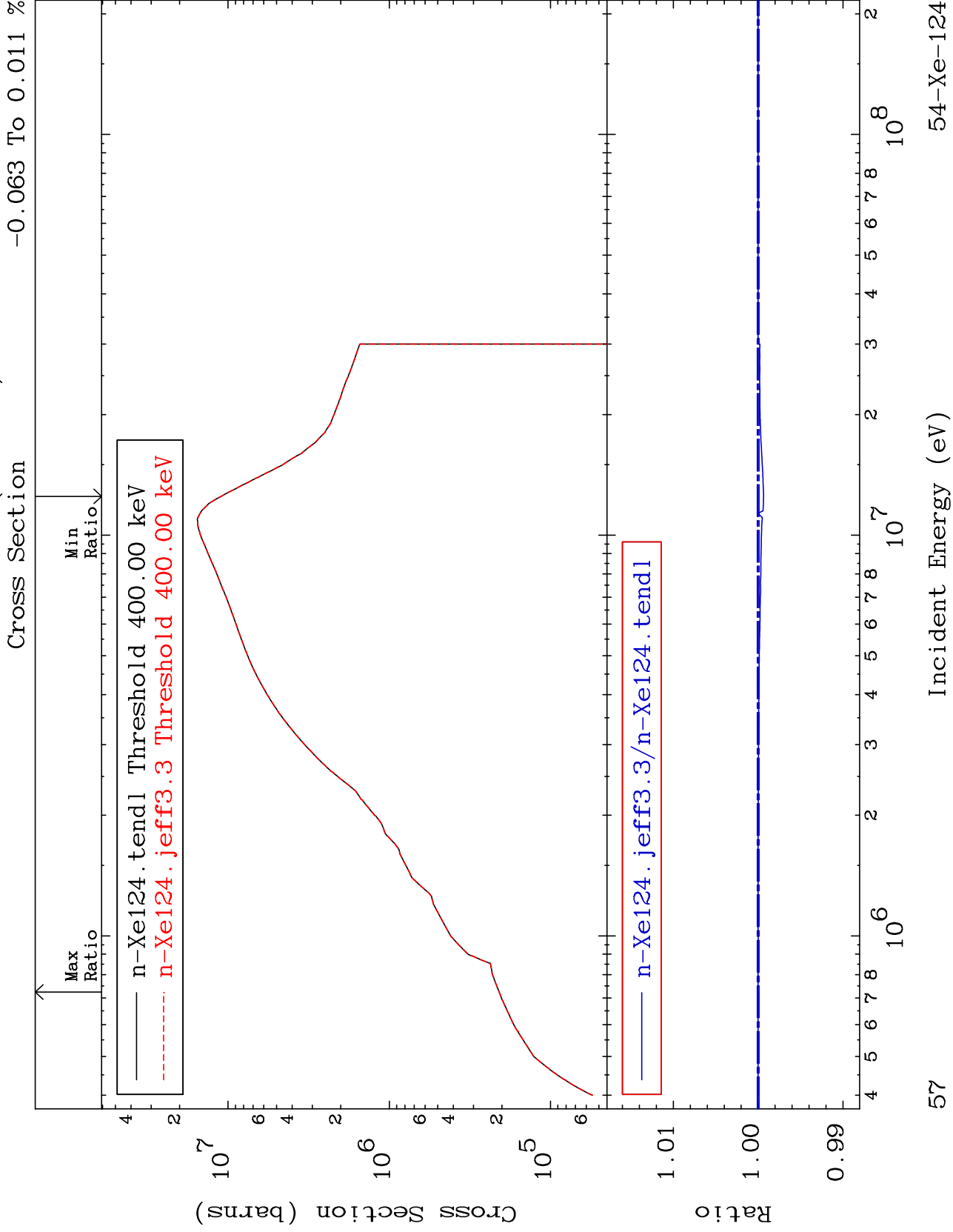
54-Xe-124
1.312 To 9999. %

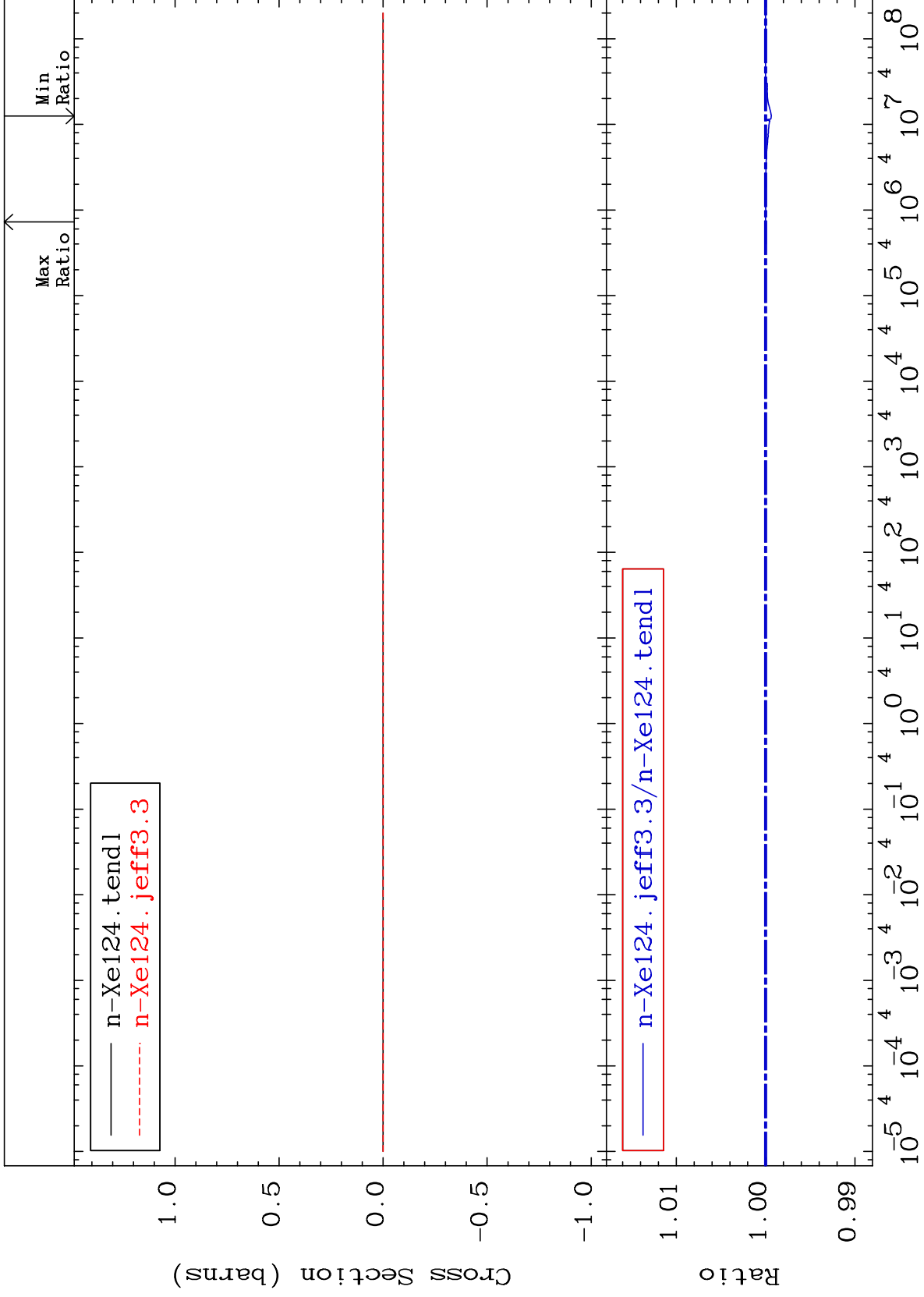


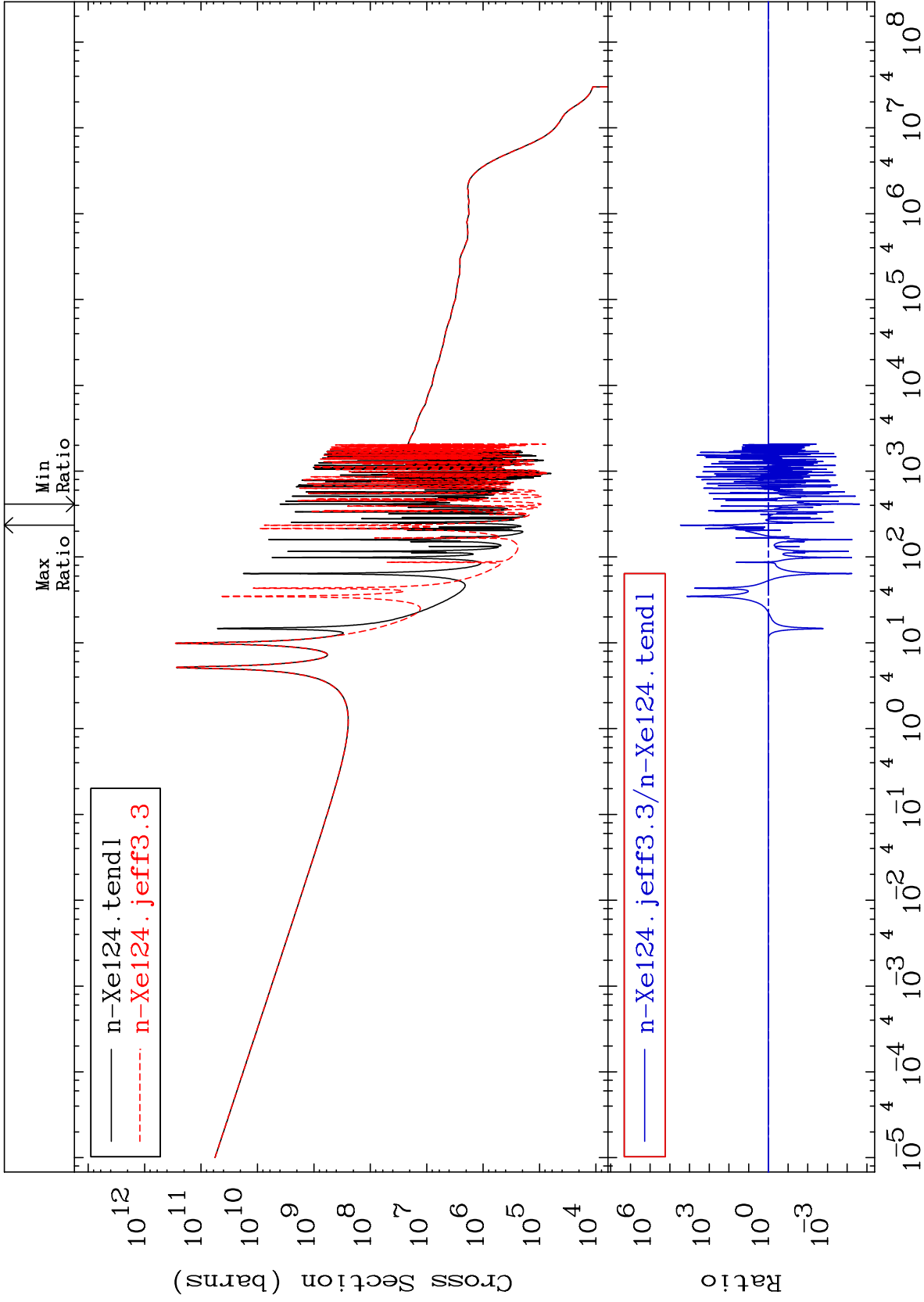


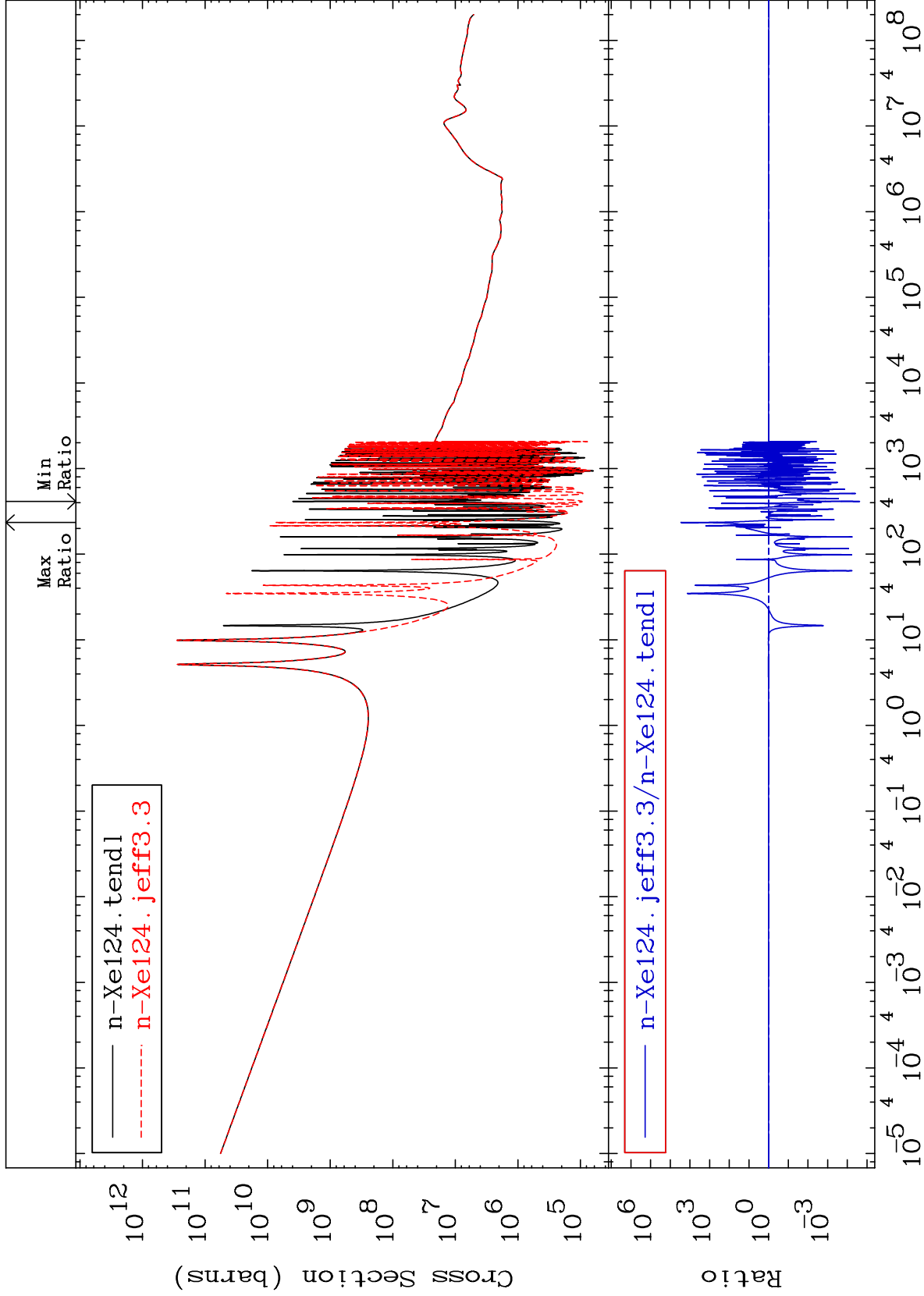


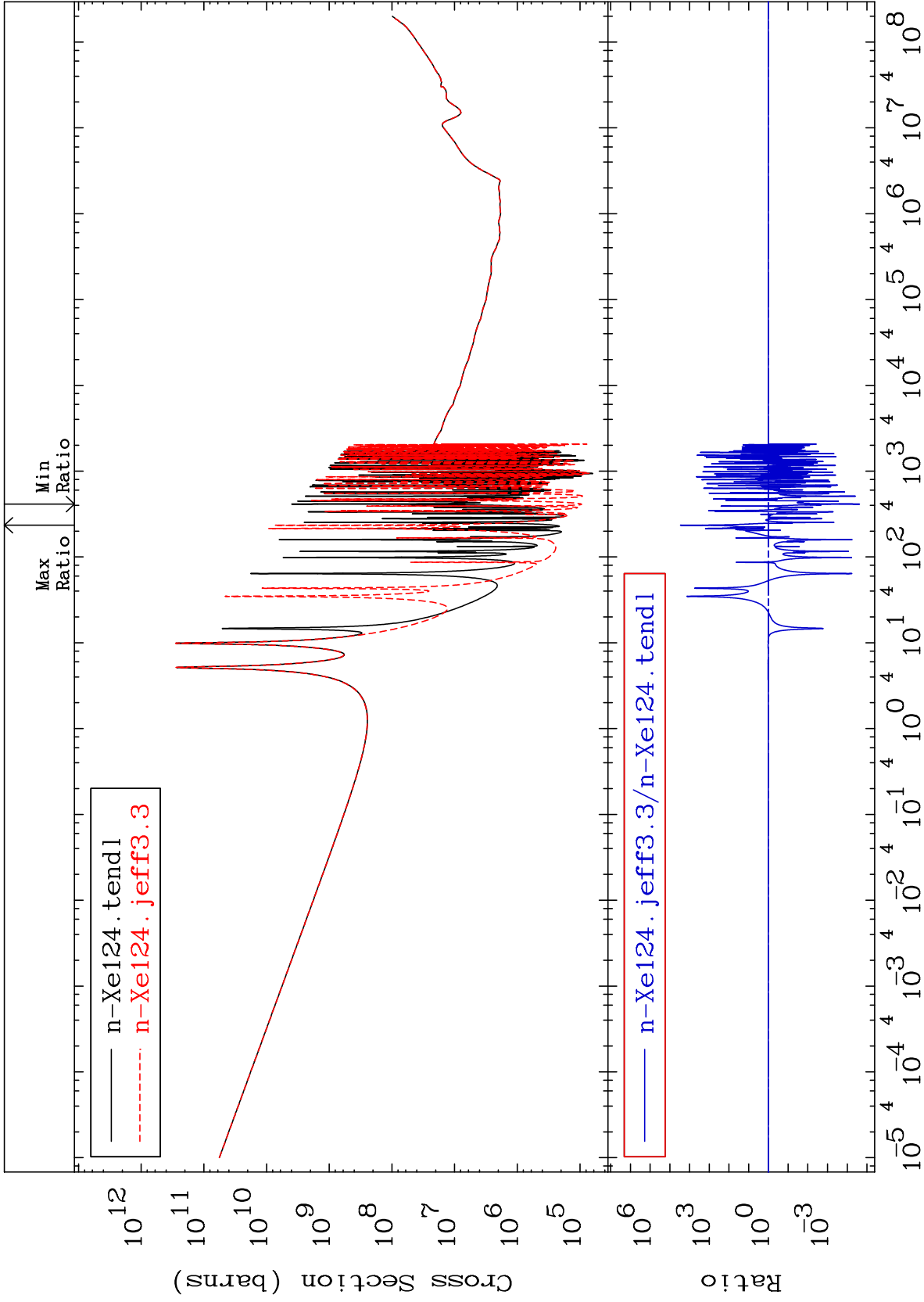


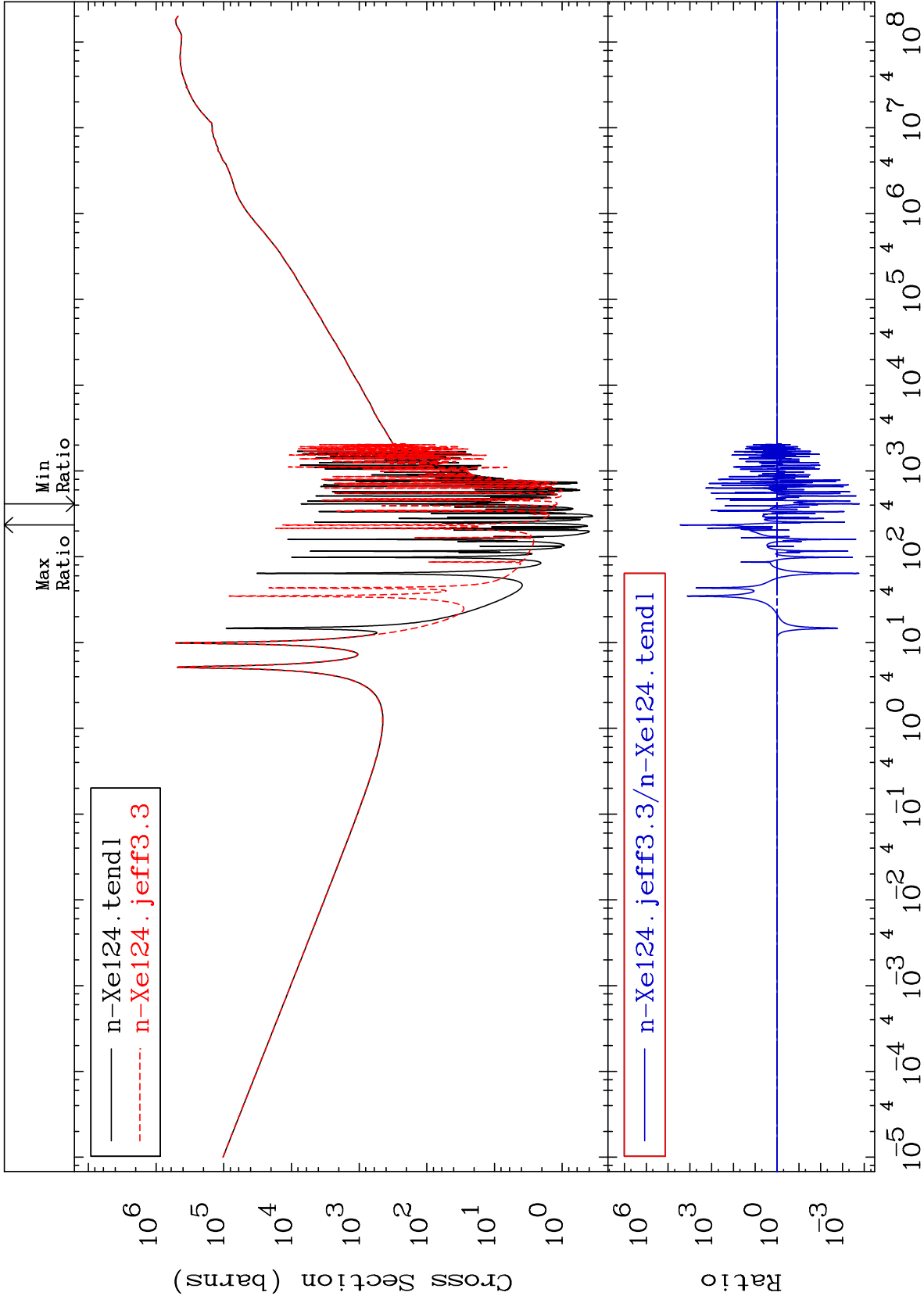


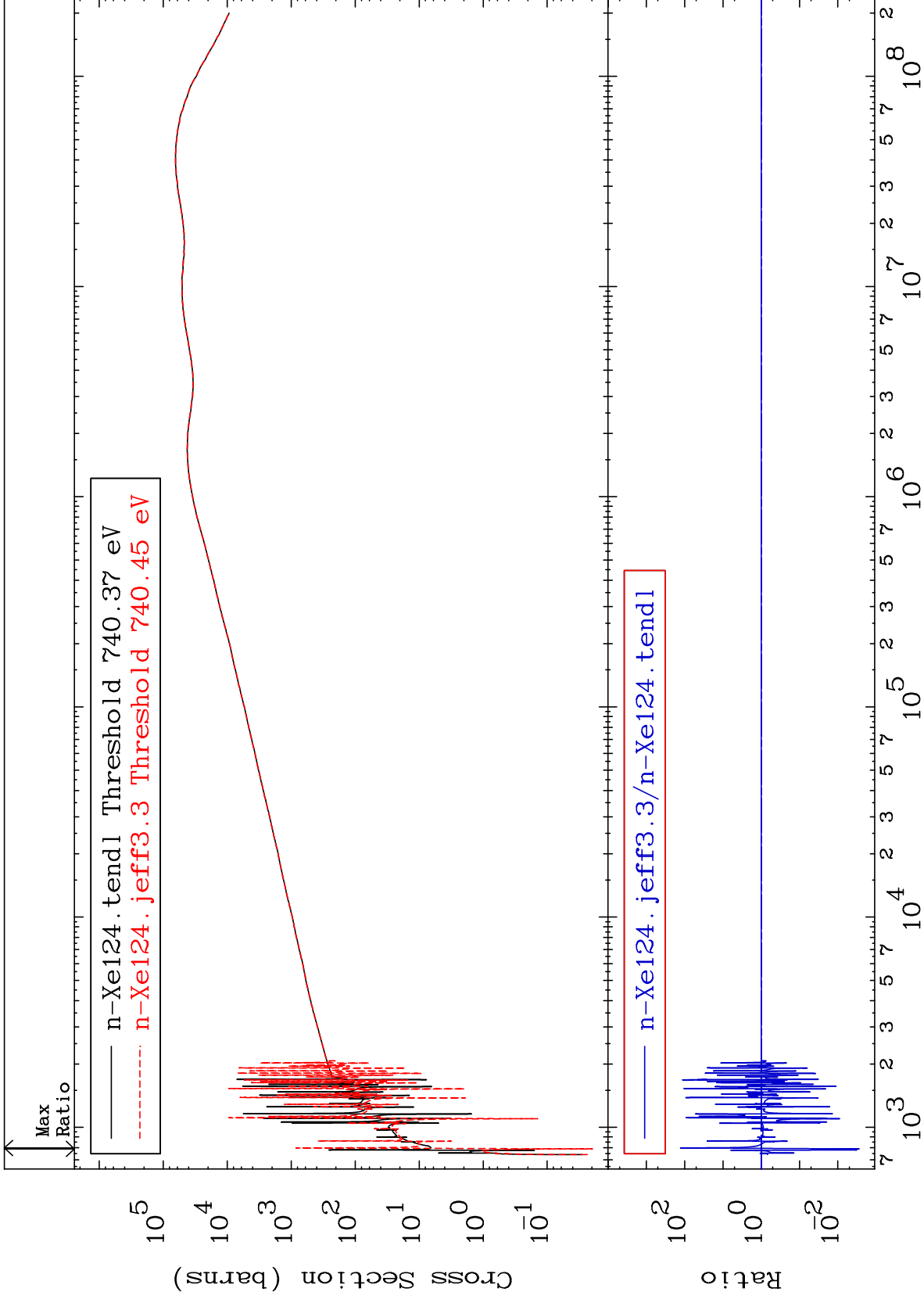












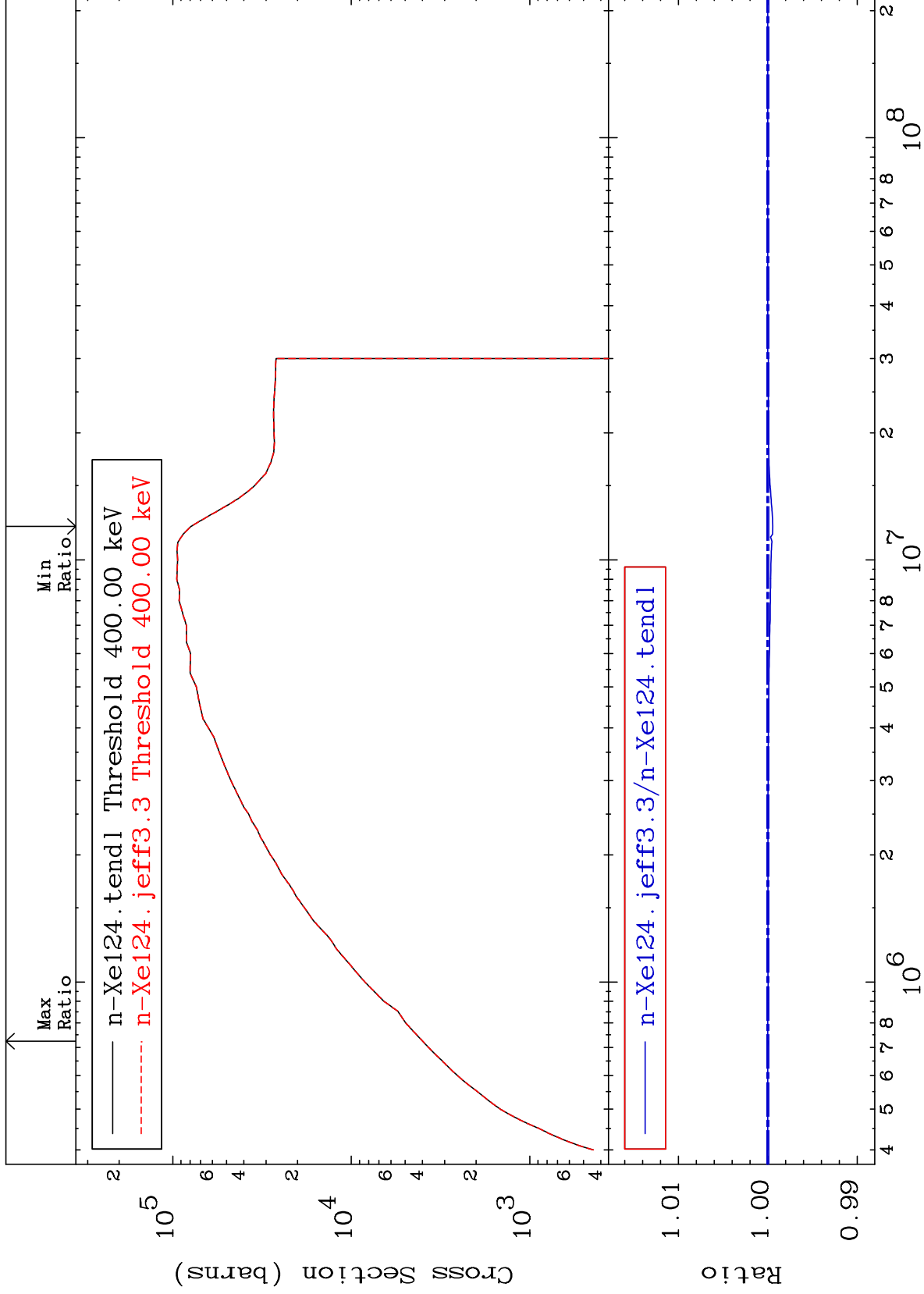
MAT 5425

Dpa inelastic (mt51-91)

54-Xe-124

Cross Section

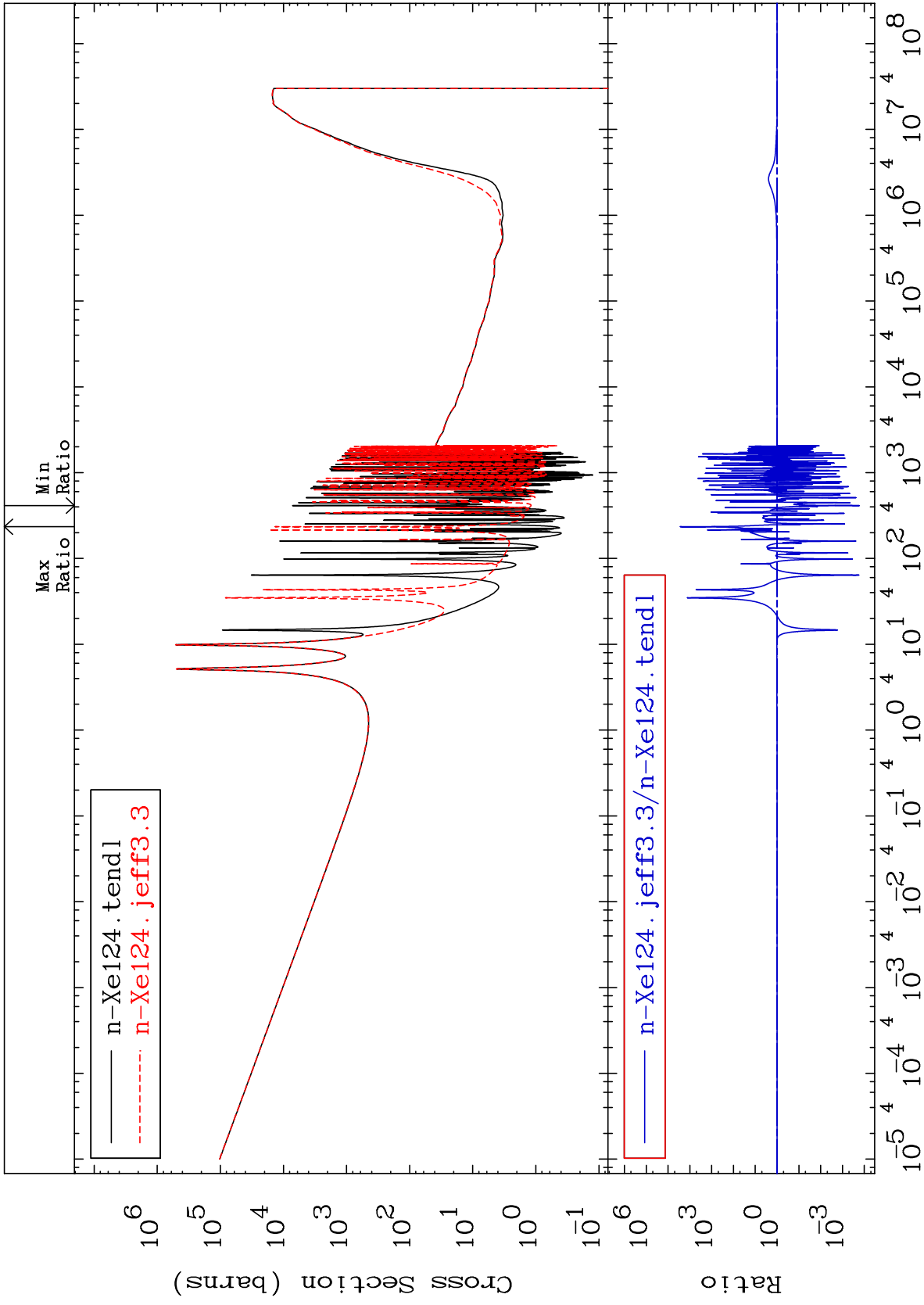
-0.055 To 0.003 %



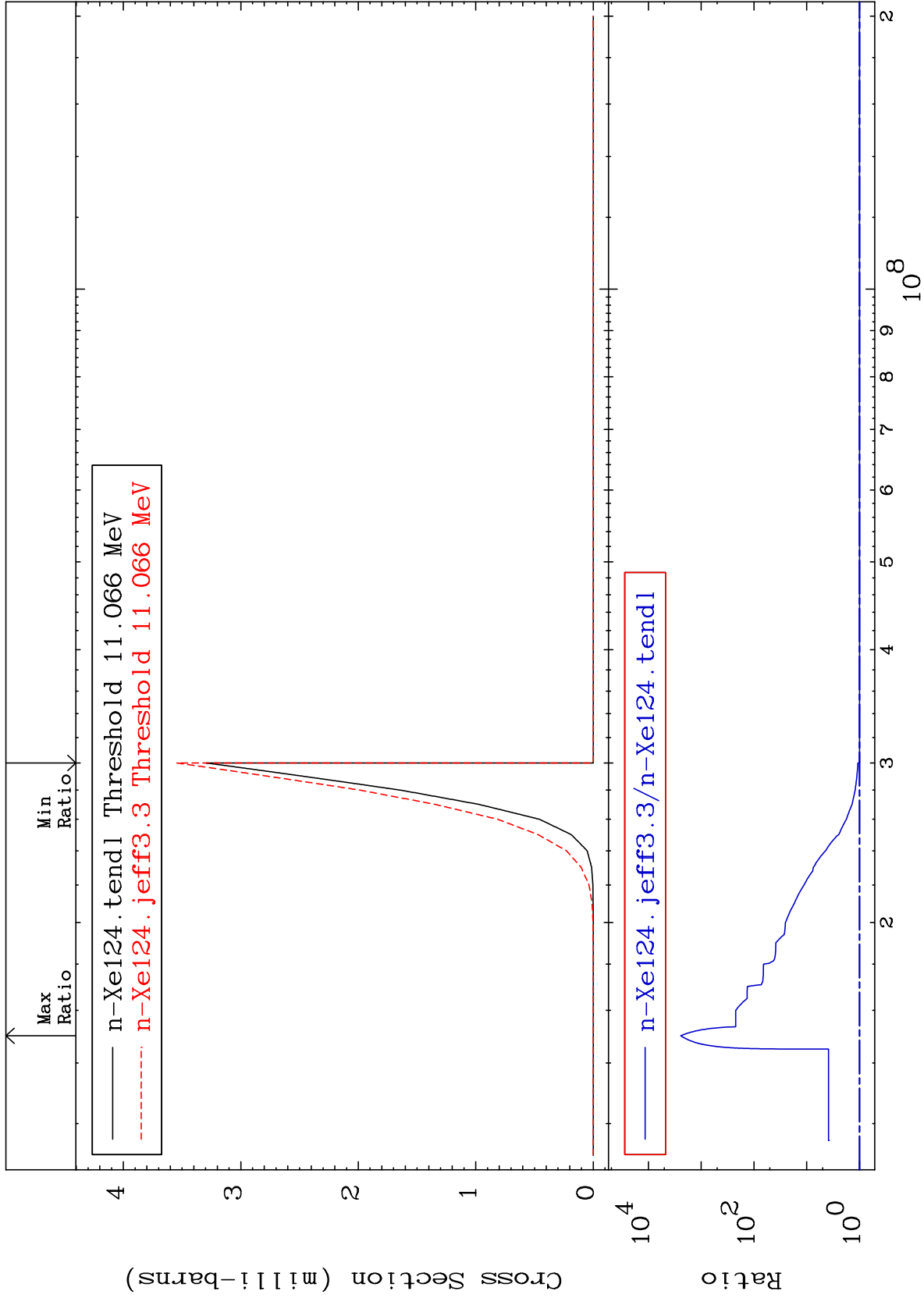
64

Incident Energy (eV)

54-Xe-124



Radionuclide Production Cross Section 0.000 To 9999. %

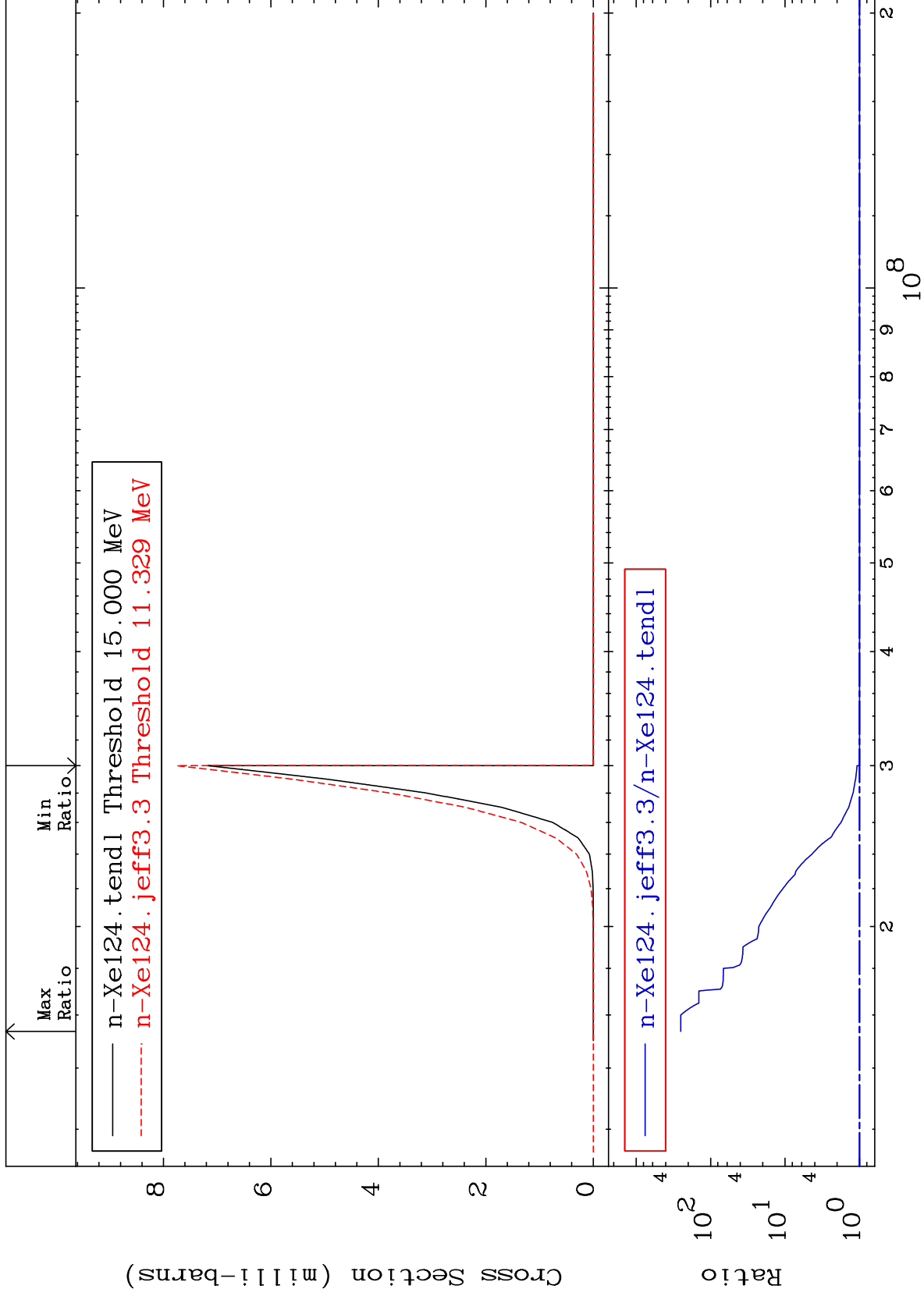


MAT 5425

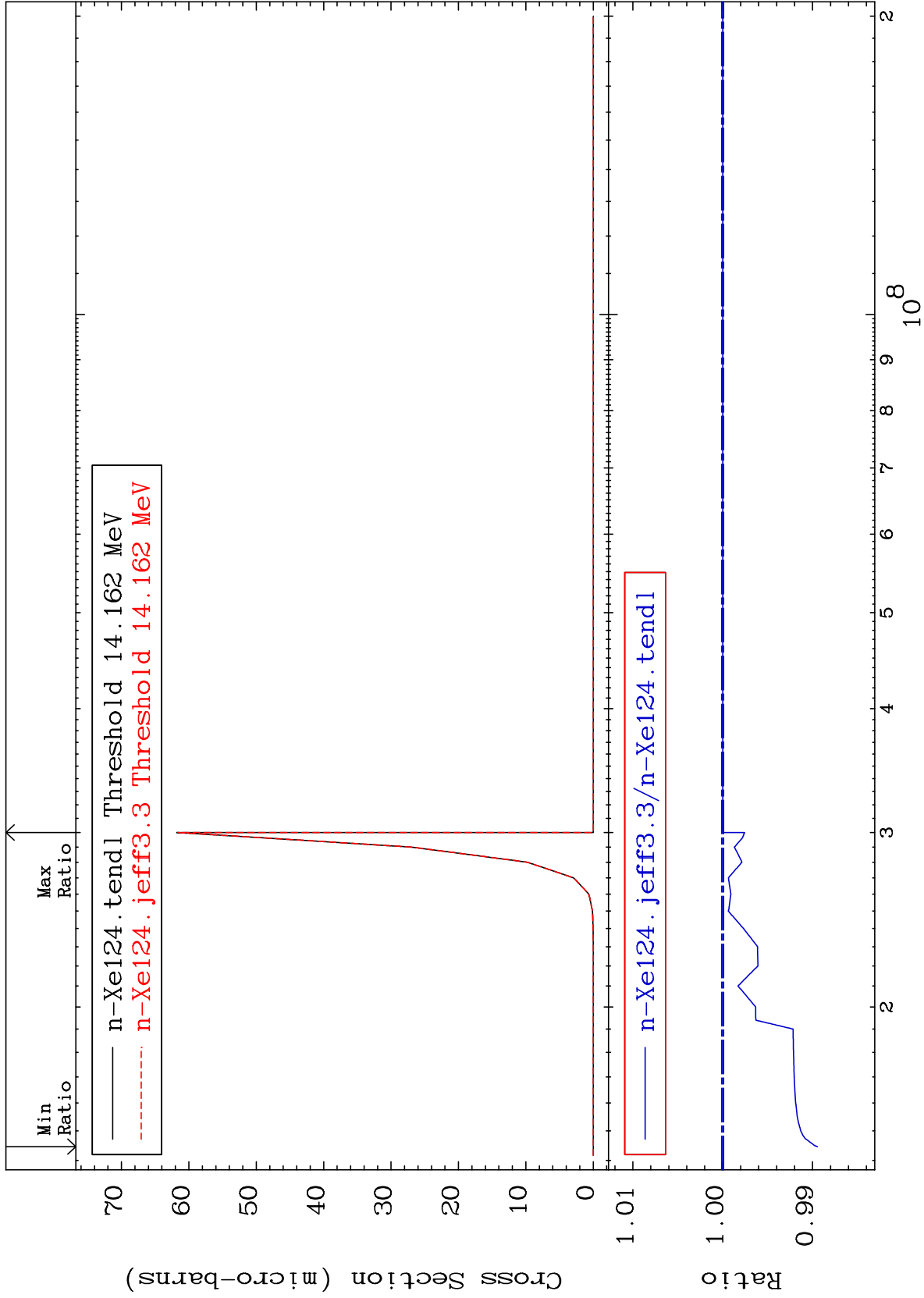
(n,2n) α :52-Te-119m2

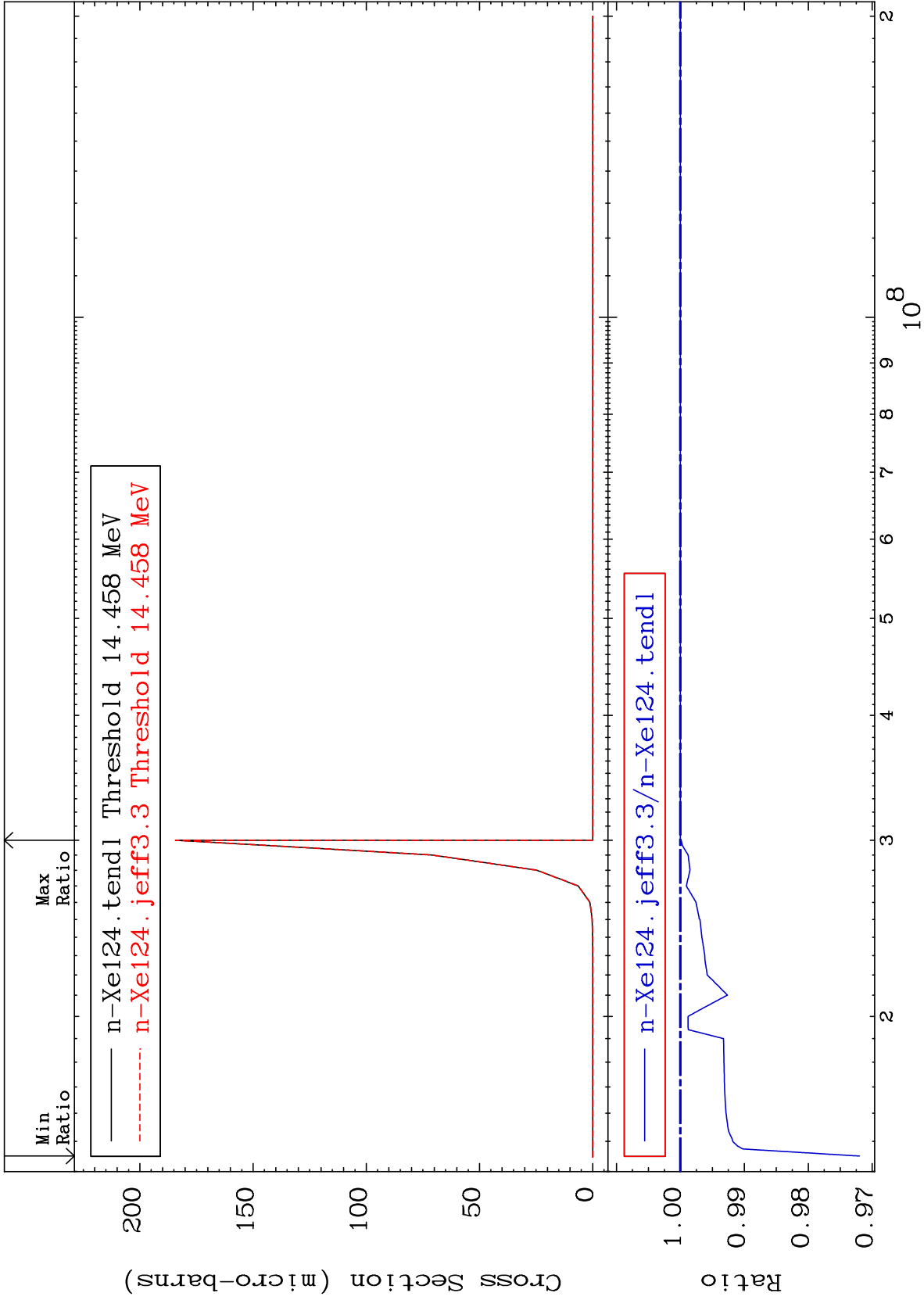
54-Xe-124

Radionuclide Production Cross Section 0.000 To 9999. %



(n, n') He-3:52-Te-121g
Radionuclide Production Cross Section -1.055 To 0.000 %

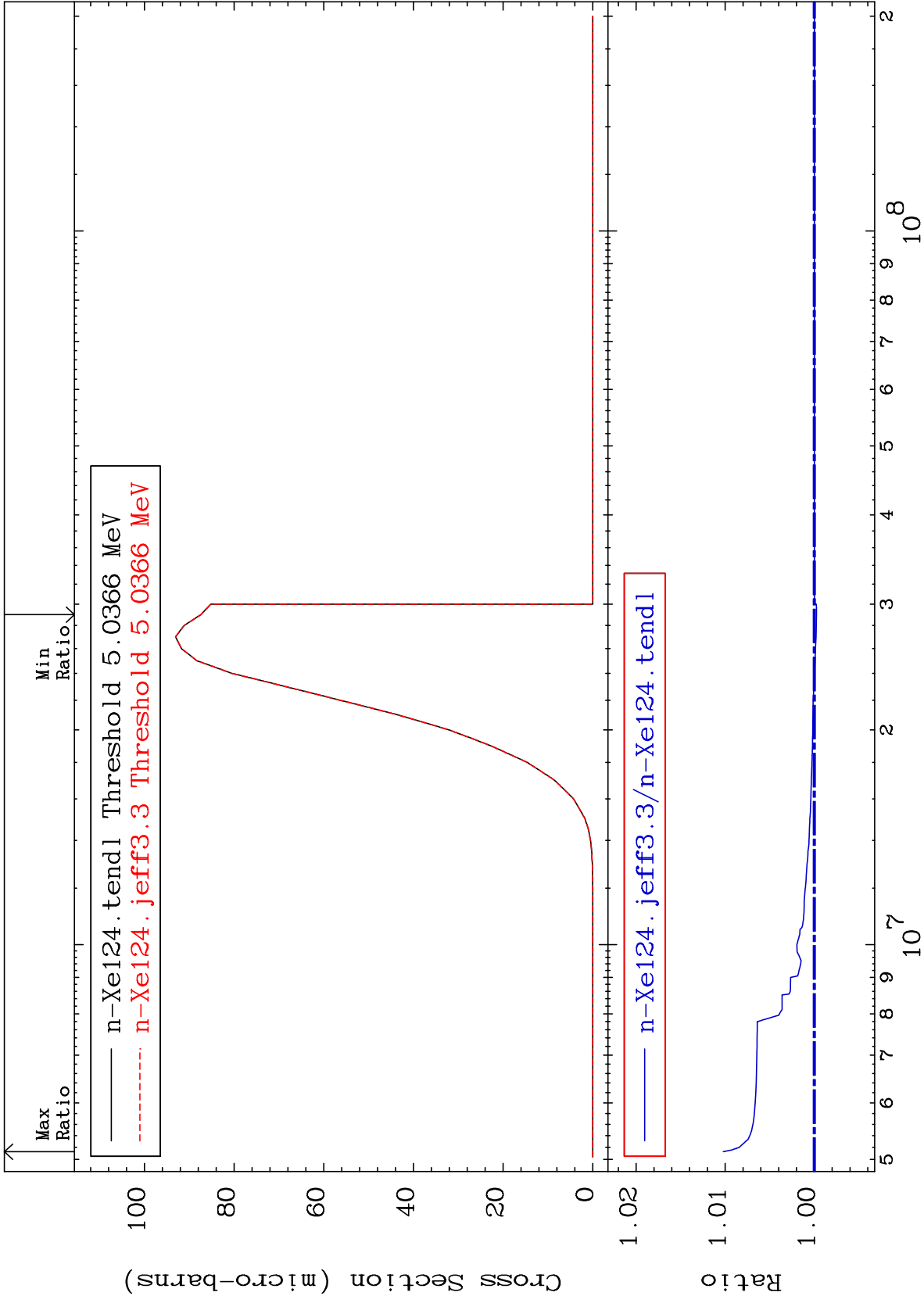




MAT 5425

54-Xe-124

(n,2p):52-Te-123g
Radionuclide Production Cross Section -0.024 To 1.022 %



70

Incident Energy (eV)

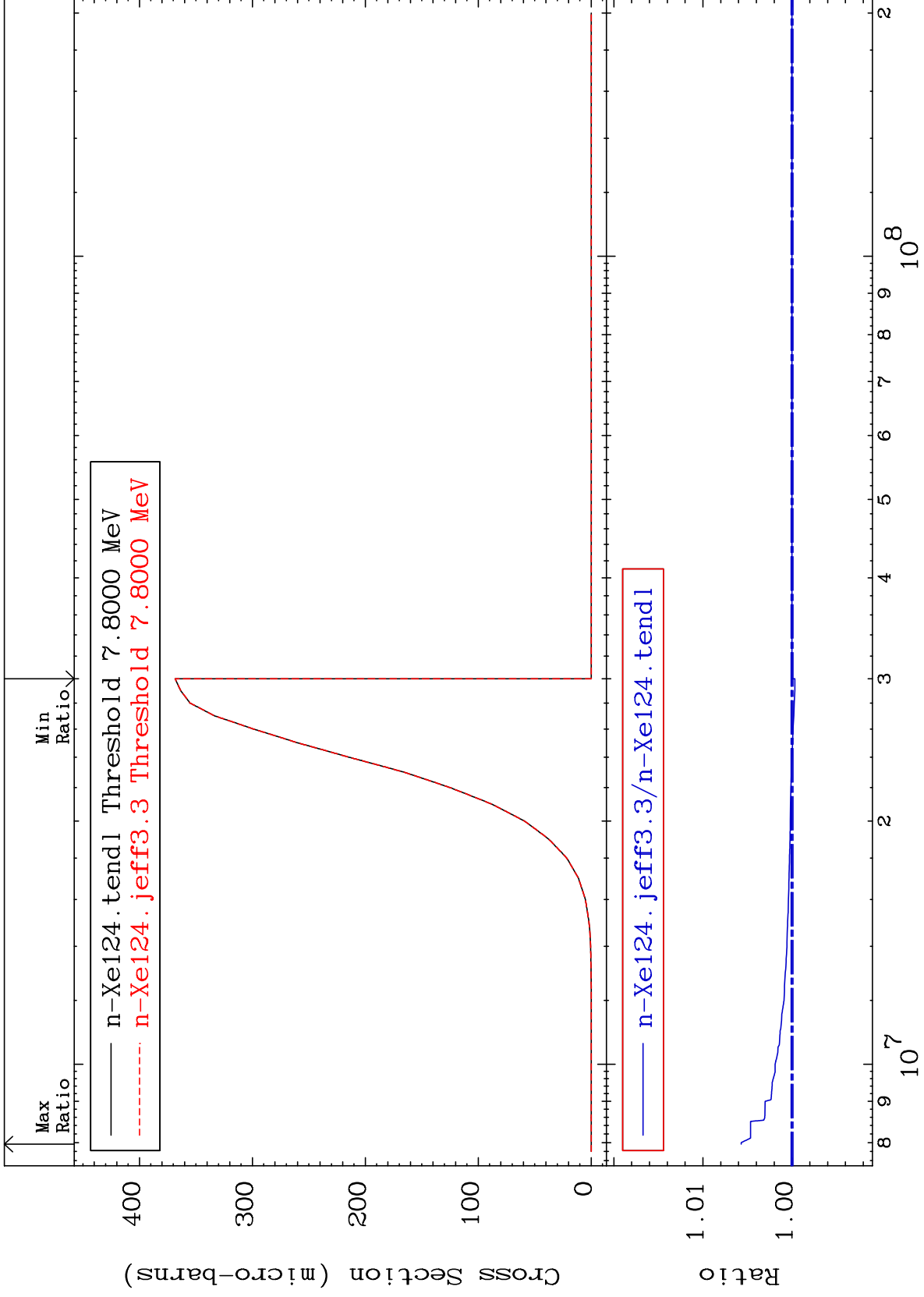
54-Xe-124

MAT 5425

(n,2p):52-Te-123m2

54-Xe-124

Radionuclide Production Cross Section -0.031 To 0.572 %



71

Incident Energy (eV)

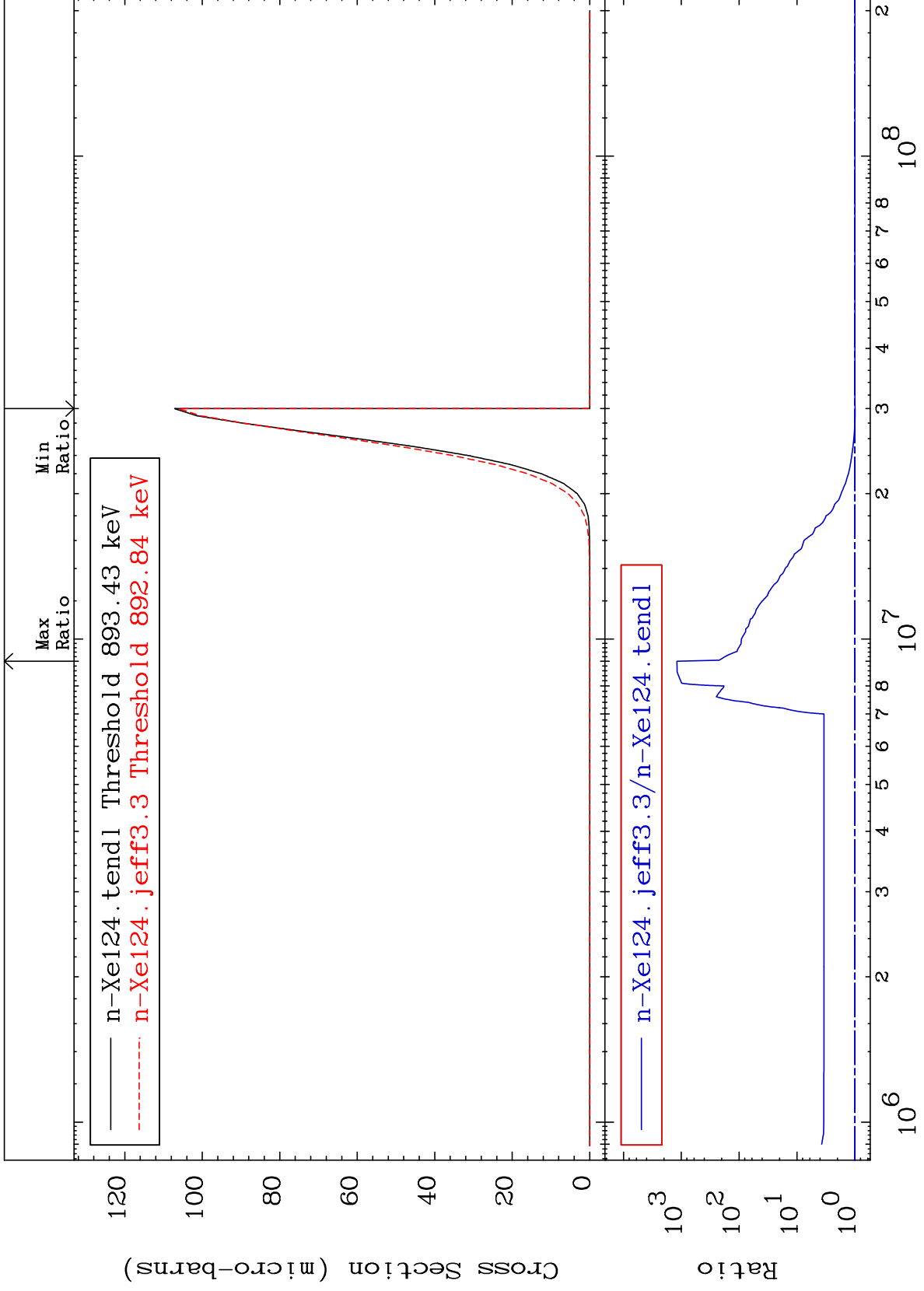
54-Xe-124

MAT 5425

(n, p) α :51-Sb-120g

54-Xe-124

Radionuclide Production Cross Section -1.008 To 9999. %



72

Incident Energy (eV)

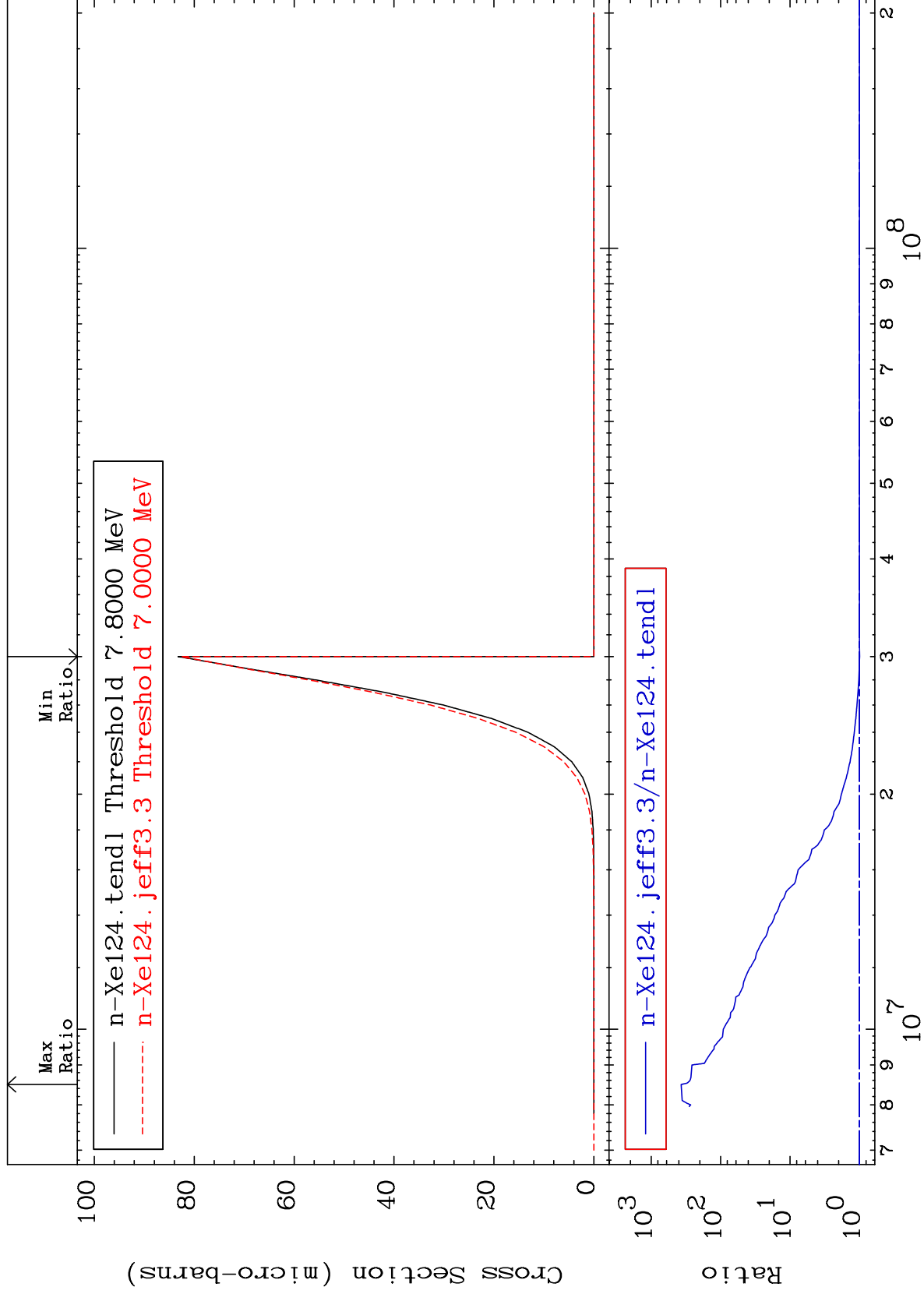
54-Xe-124

MAT 5425

(n, p) α :51-Sb-120m6

54-Xe-124

Radionuclide Production Cross Section -0.654 To 9999. %



73

Incident Energy (eV)

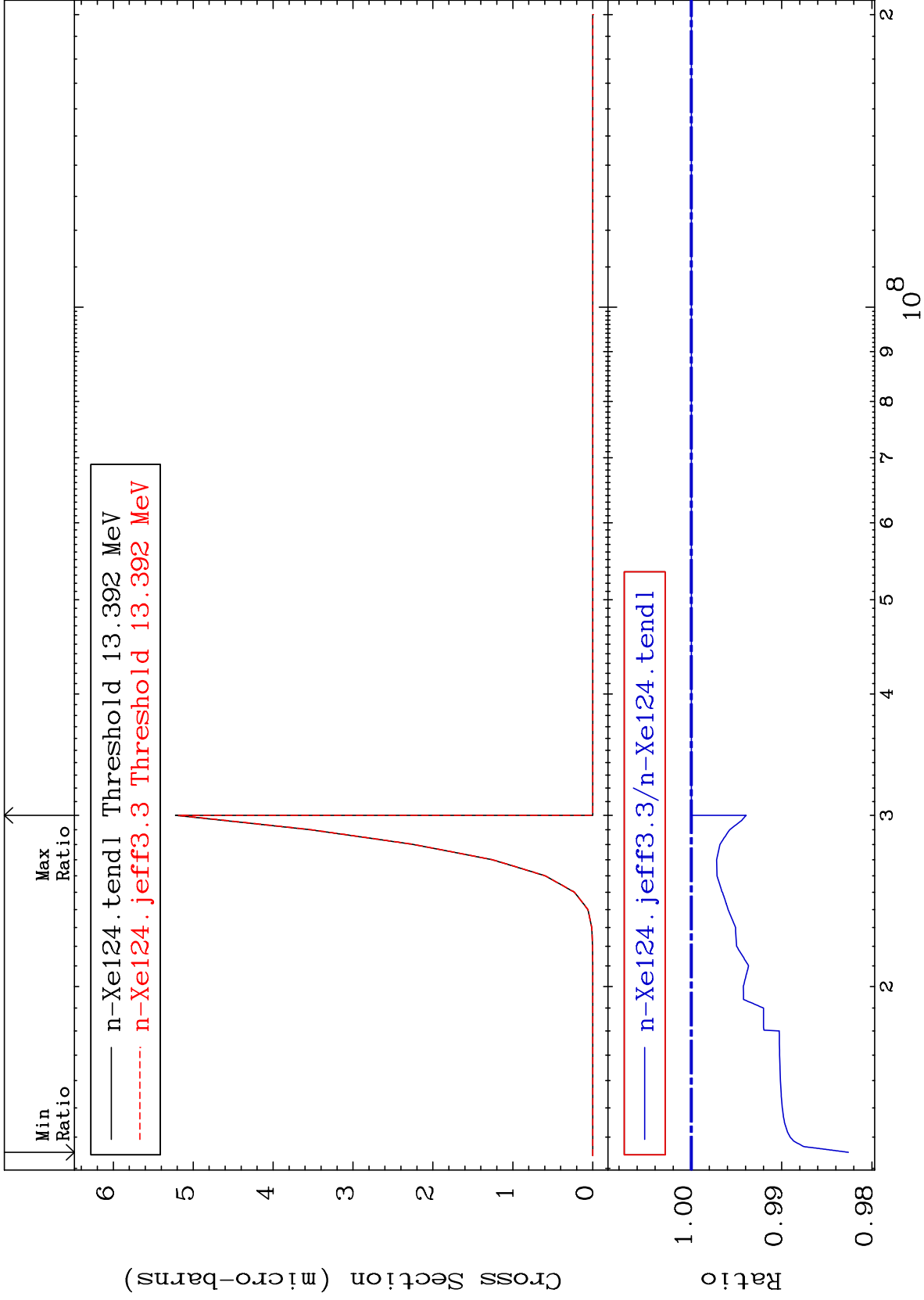
54-Xe-124

MAT 5425

(n, p) t:52-Te-121g

54-Xe-124

Radionuclide Production Cross Section -1.740 To 0.000 %



74

Incident Energy (eV)

54-Xe-124

Radionuclide Production Cross Section -1.443 To 0.000 %

