

MAT 5052

50-Sn-121

-99.33 To 9999. %

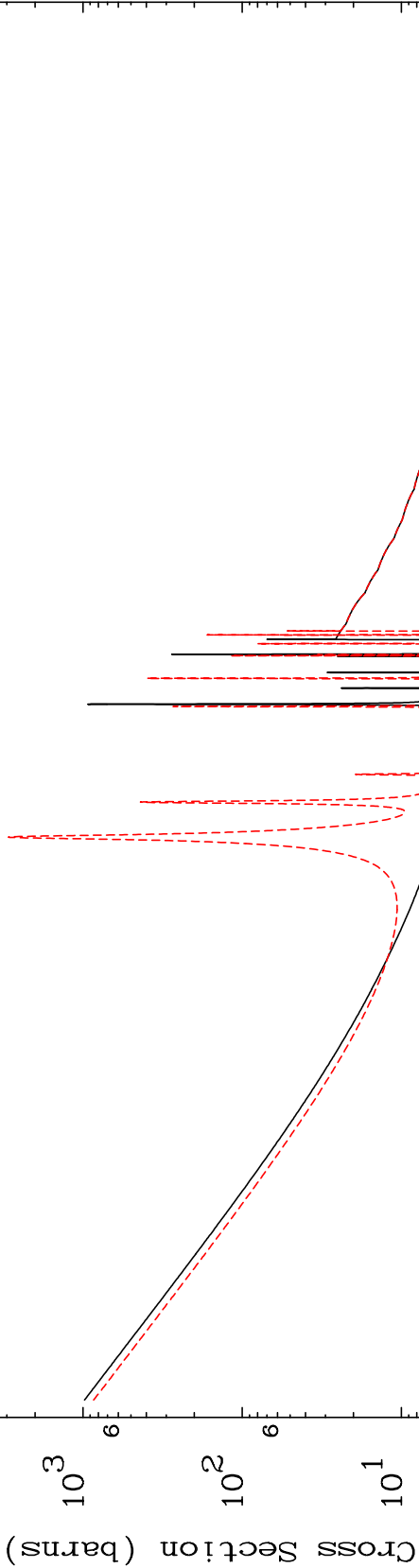
Total

Cross Section

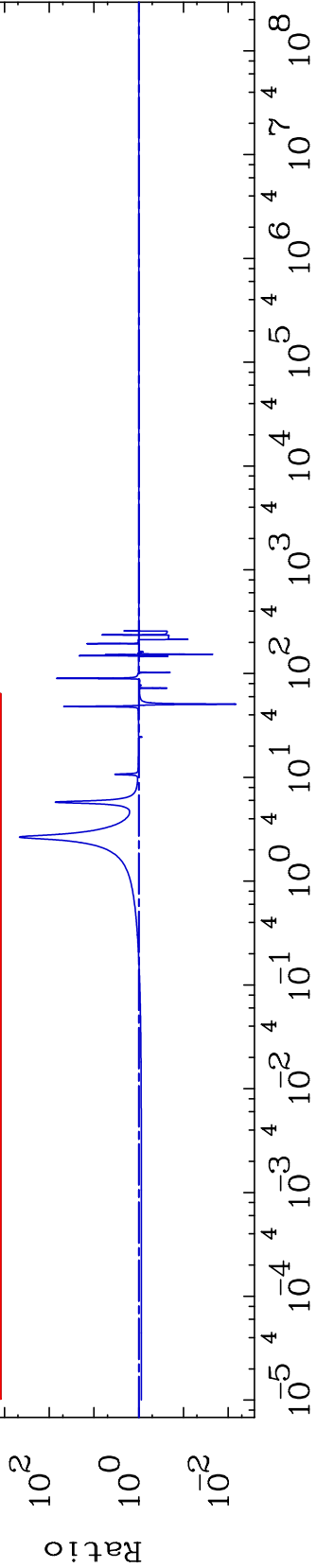
Max
Ratio

Min
Ratio

— n-Sn121.tendl
- - - n-Sn121.jeff3.3



— n-Sn121.jeff3.3/n-Sn121.tendl



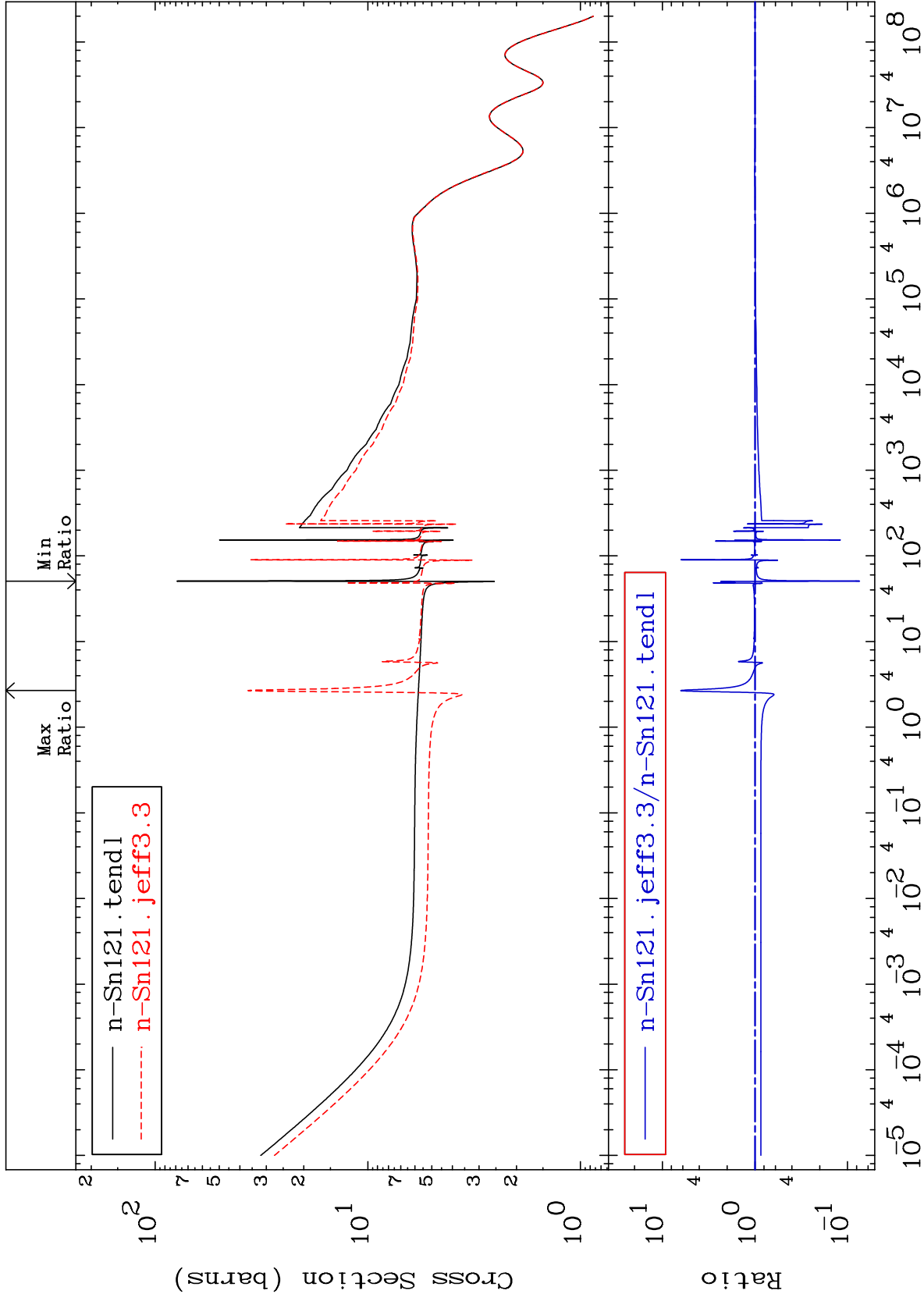
50-Sn-121

MAT 5052

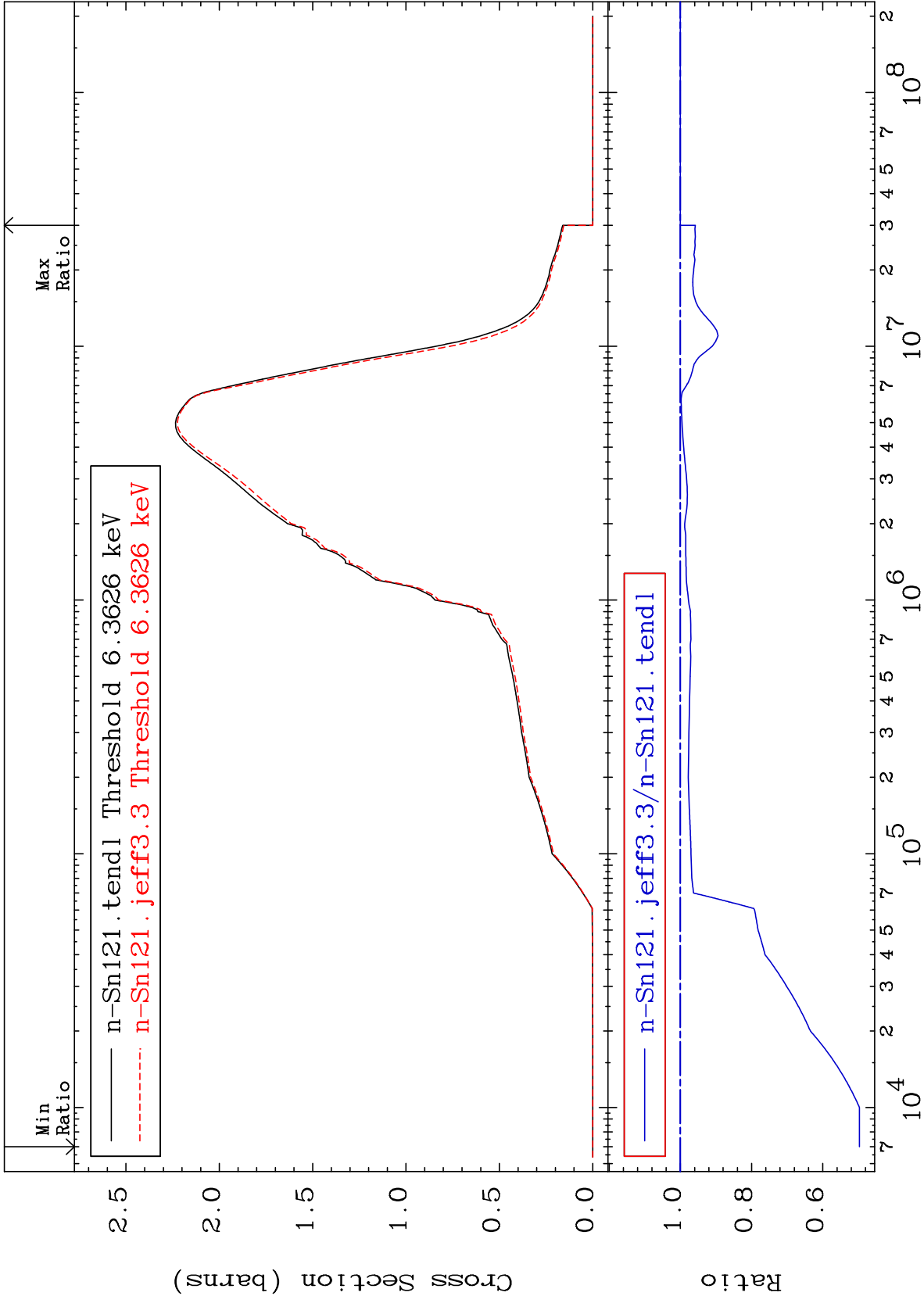
50-Sn-121

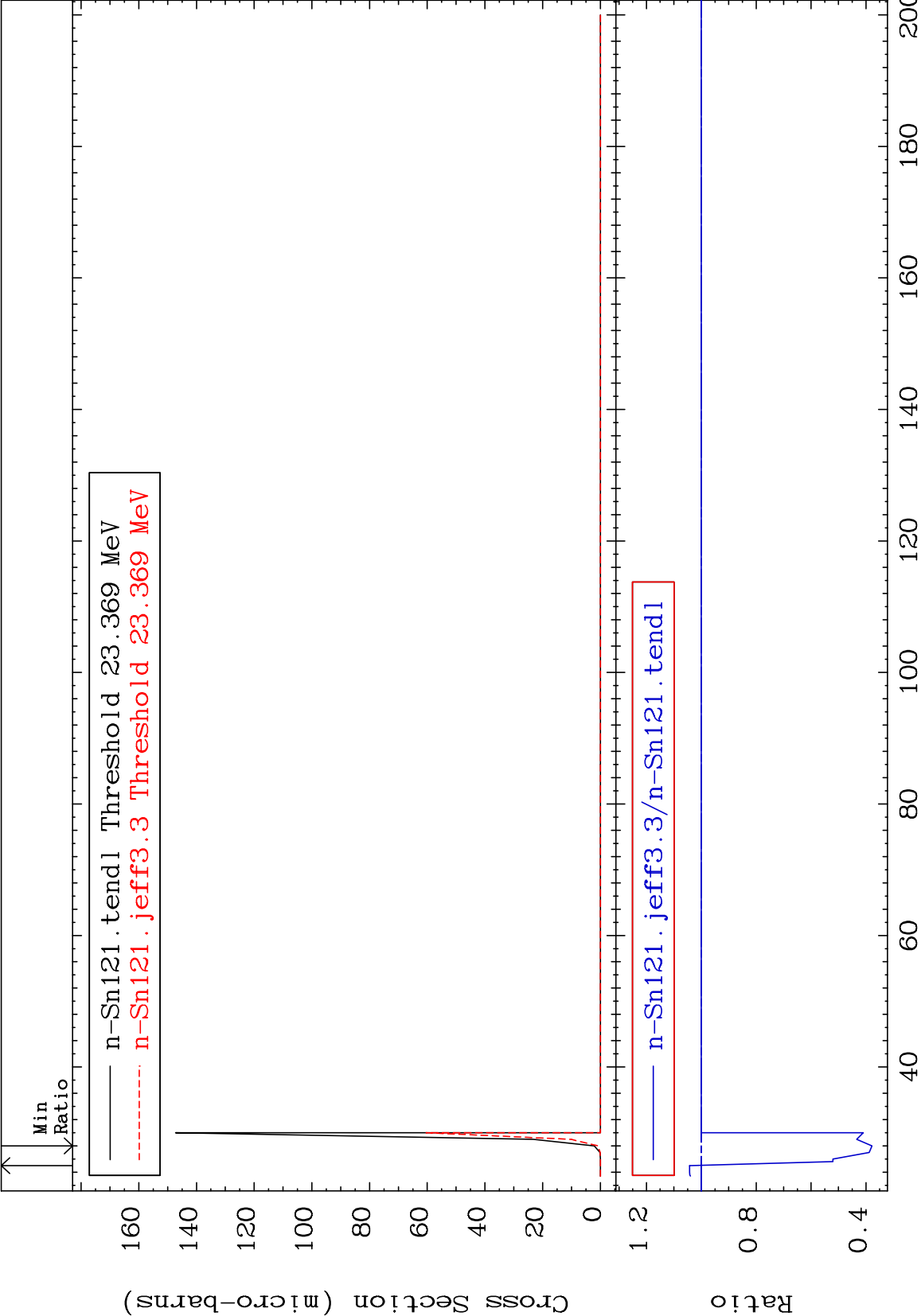
Elastic
Cross Section

-92.58 To 532.6 %



50-Sn-121





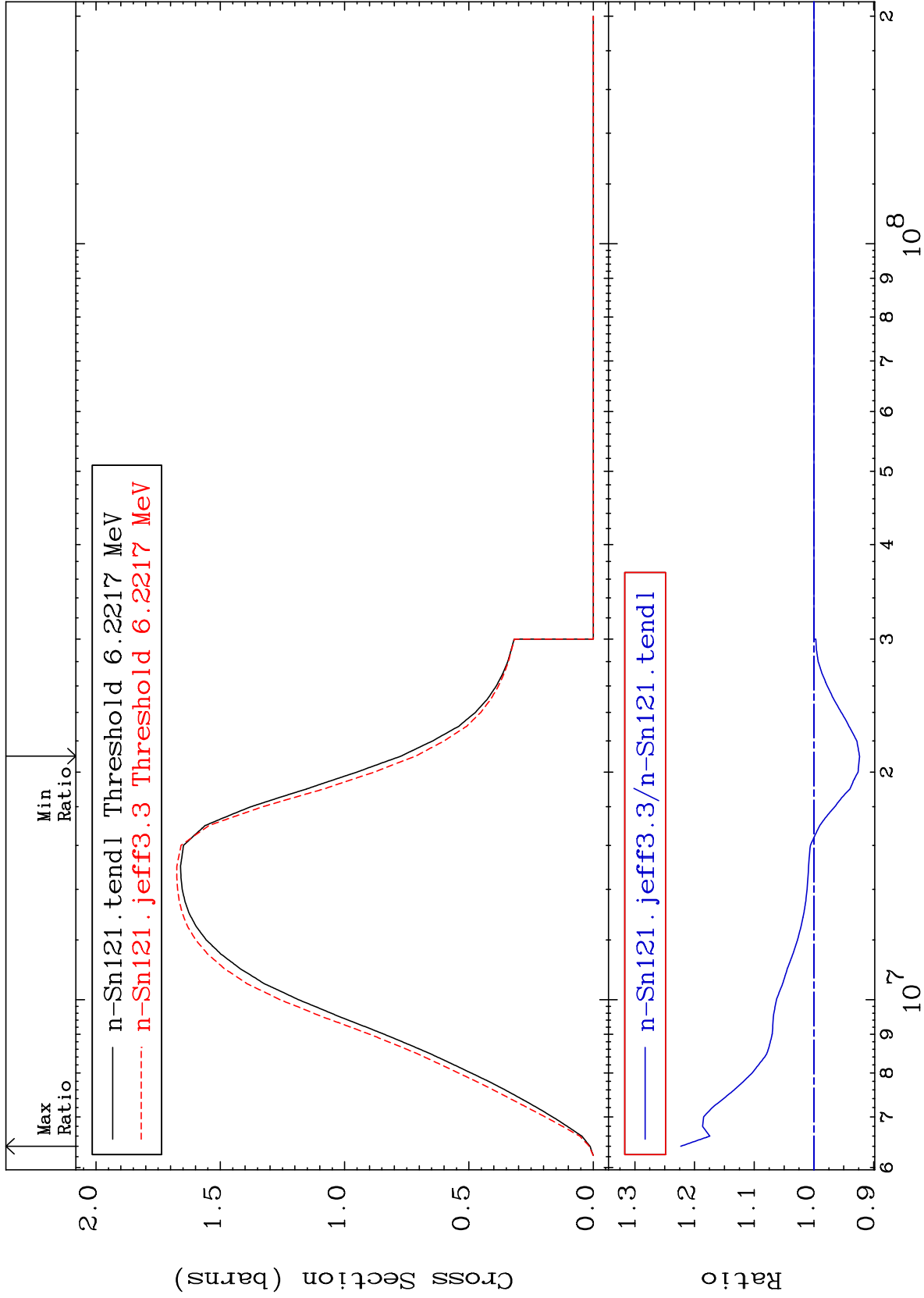
MAT 5052

(n,2n)

50-Sn-121

Cross Section

-7.634 To 22.31 %



Incident Energy (eV)

50-Sn-121

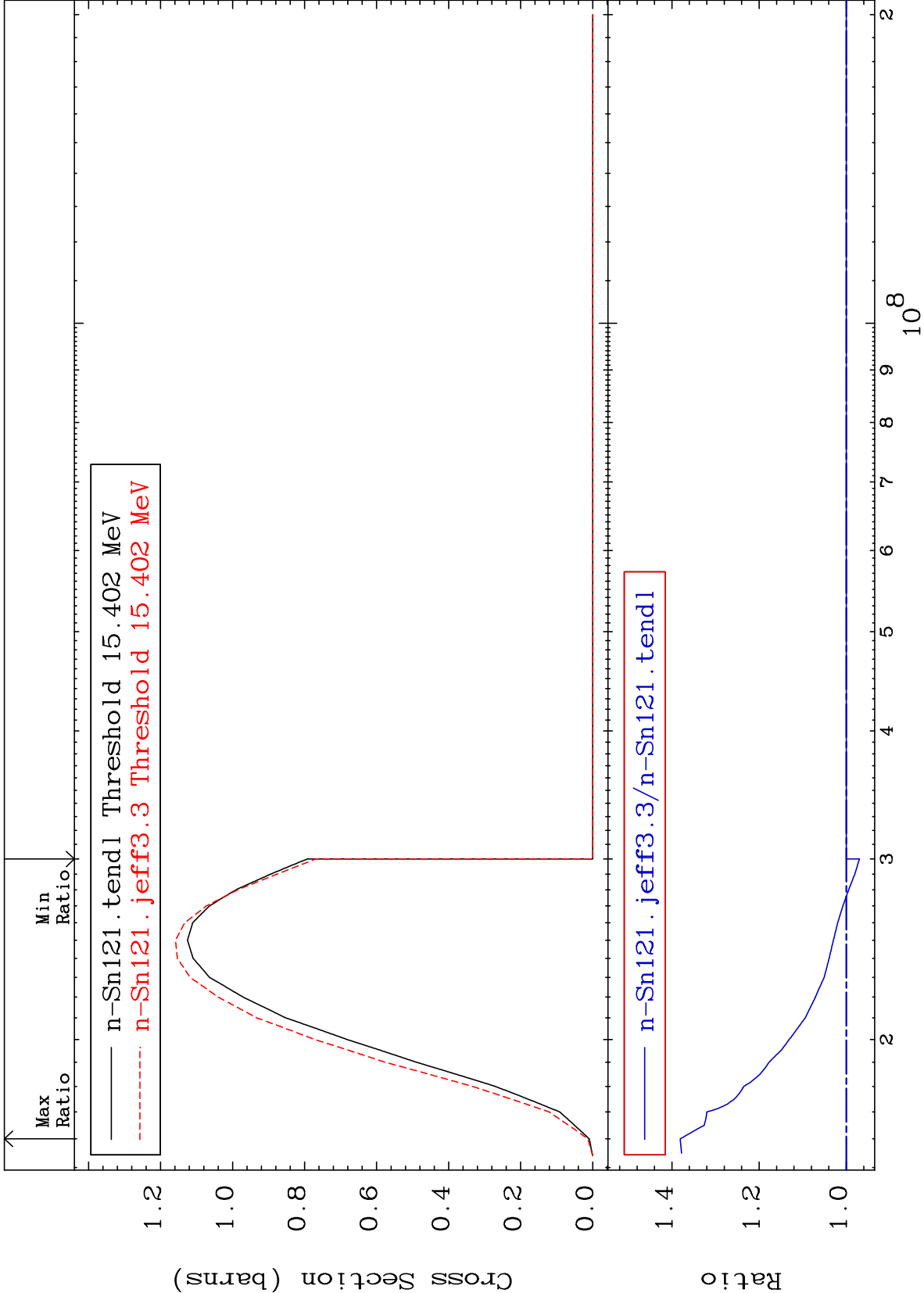
MAT 5052

(n,3n)

50-Sn-121

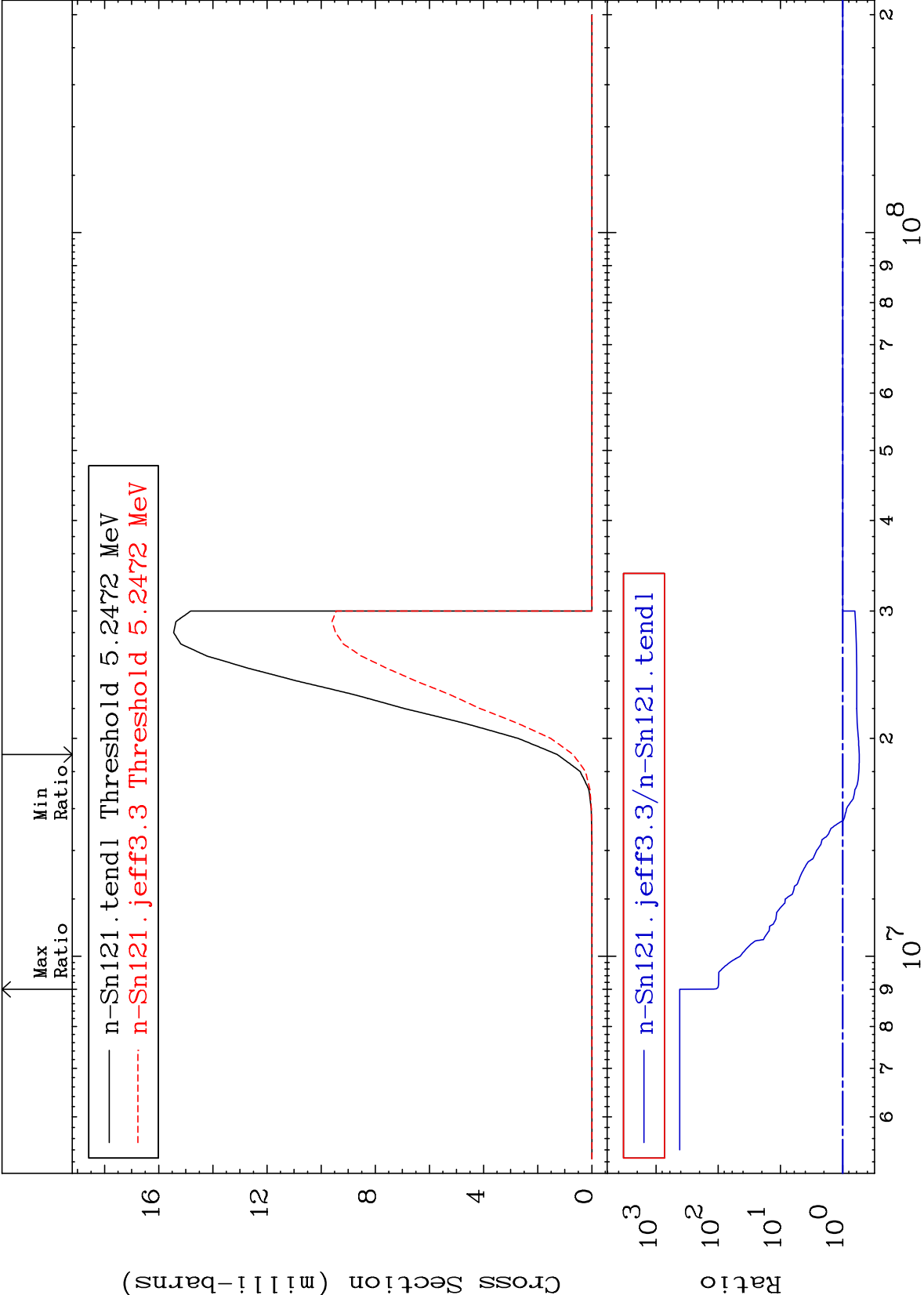
Cross Section

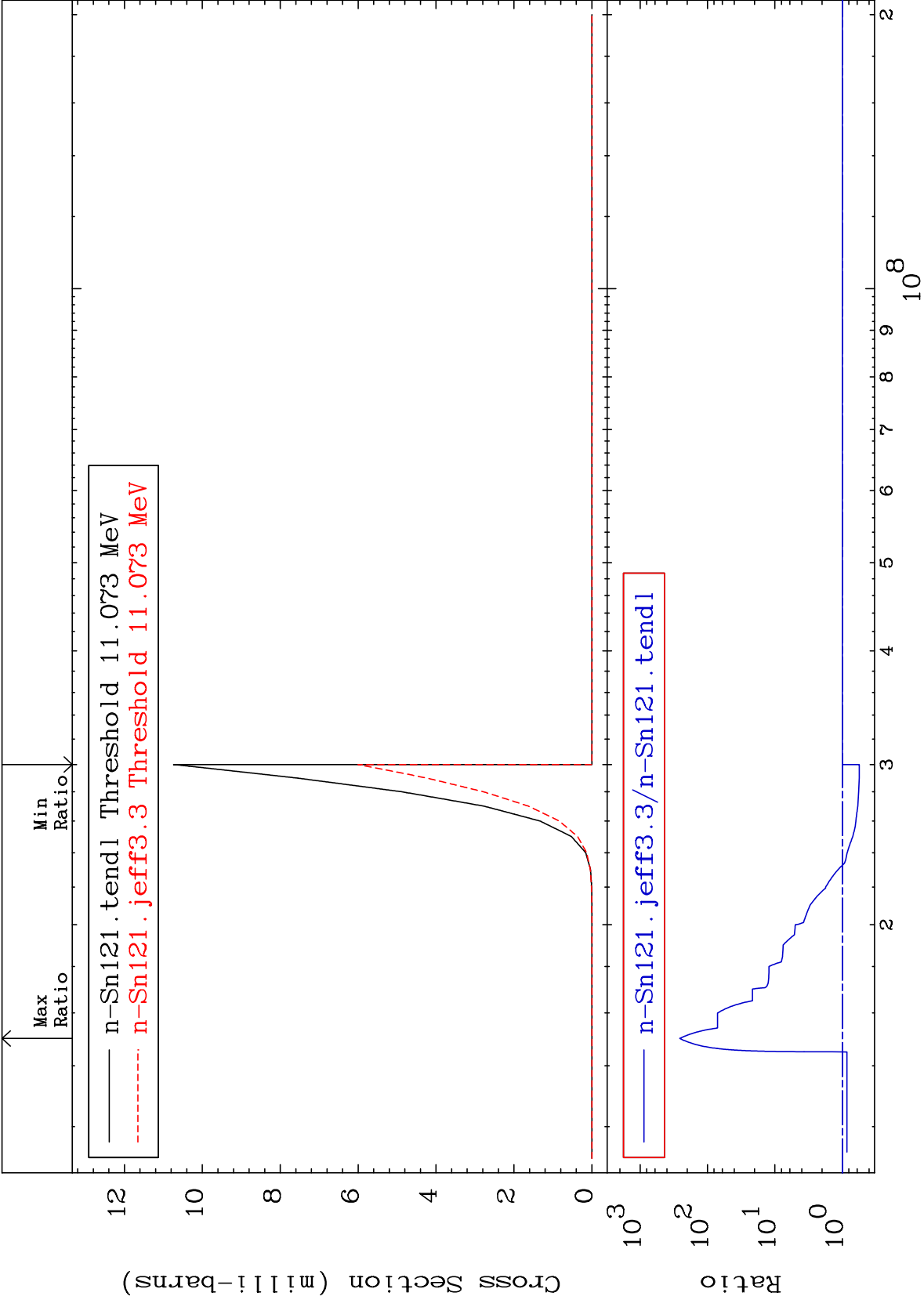
-3.014 To 38.07 %



MAT 5052

(n,n') α
Cross Section
50-Sn-121
-45.78 To 9999. %



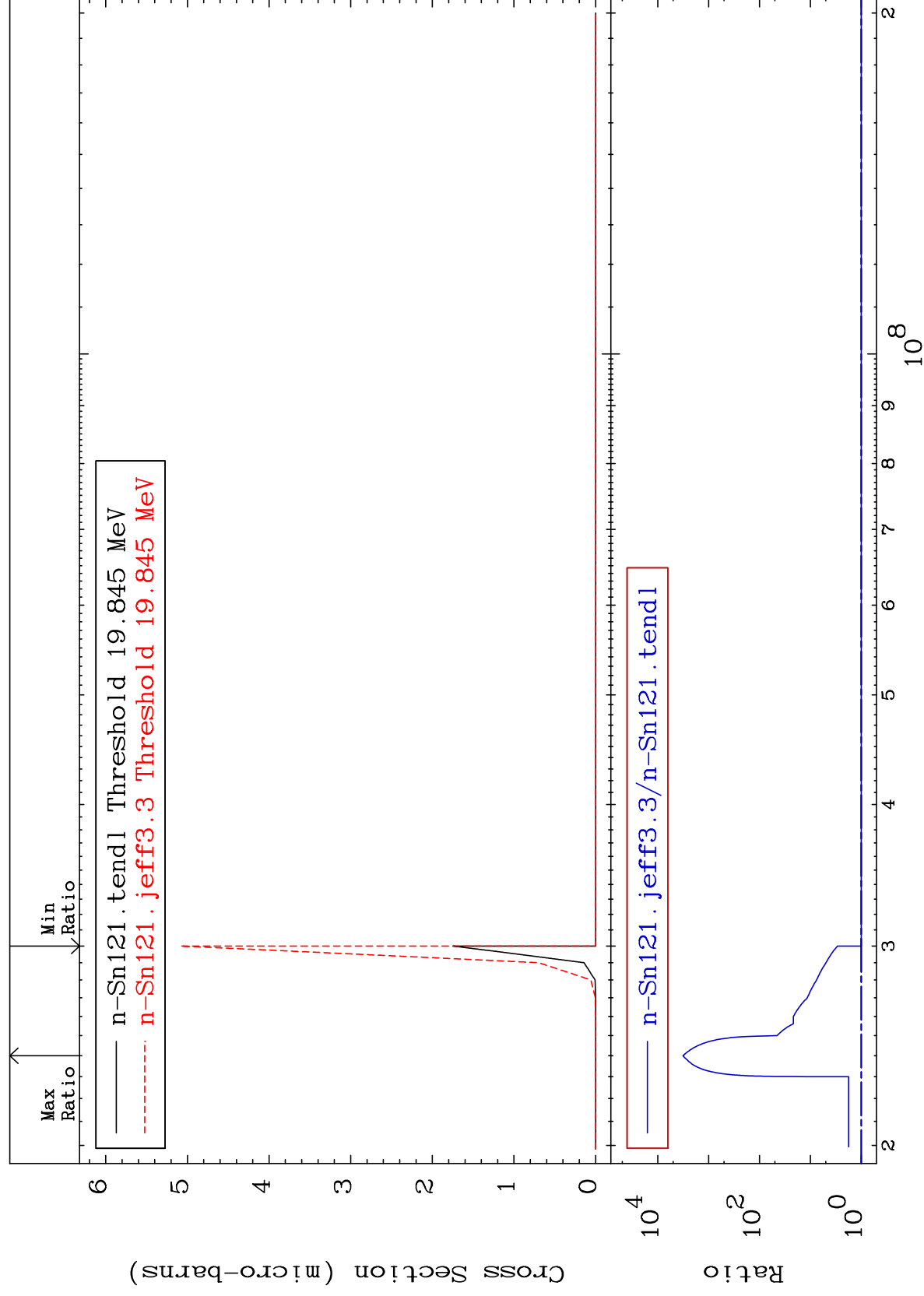


MAT 5052

$$(n, 3n) \propto$$

Cross Section

50-Sn-121
0.000 To 9999. %



9

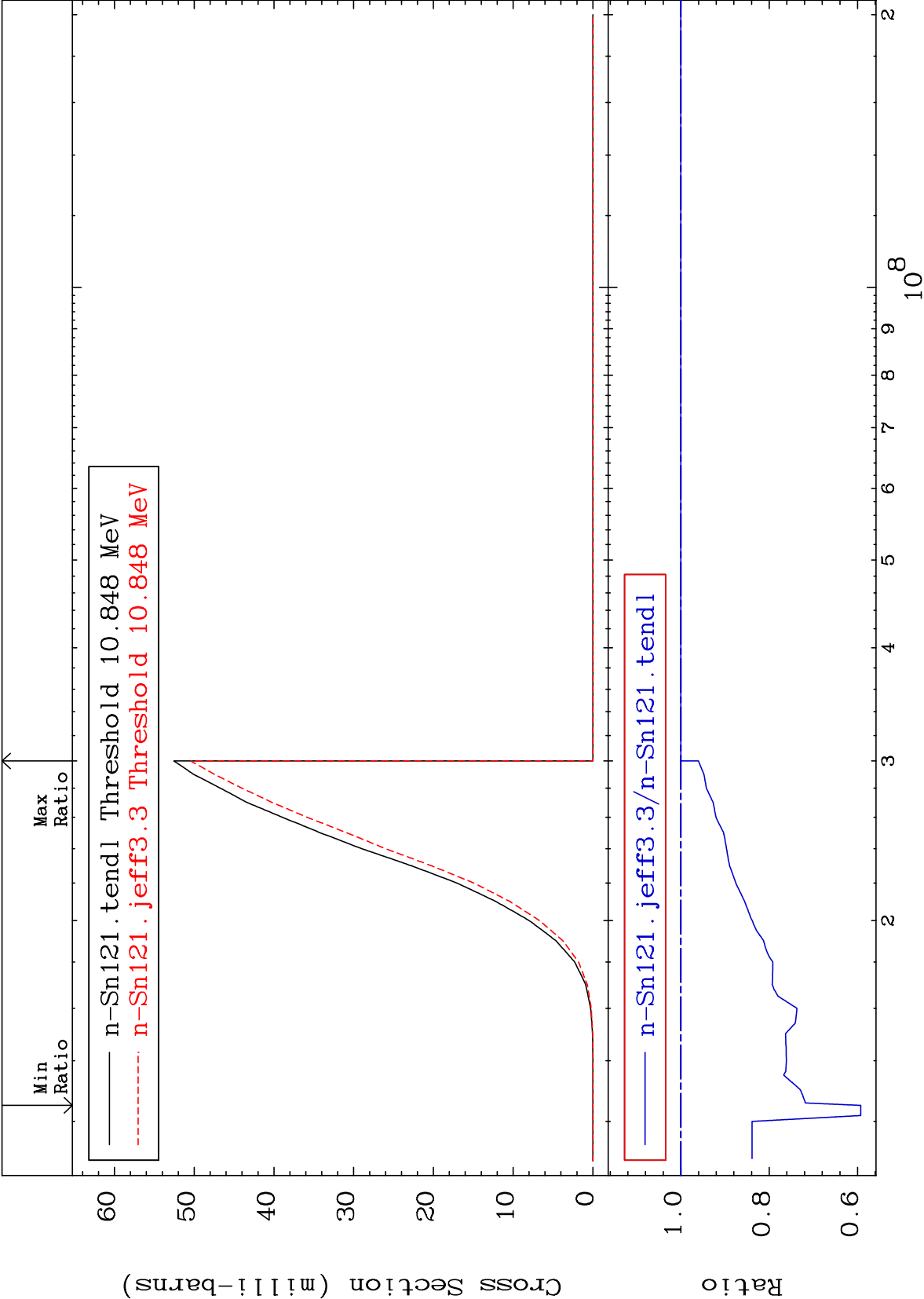
Incident Energy (eV)

50-Sn-121

MAT 5052

(n,n') p
Cross Section

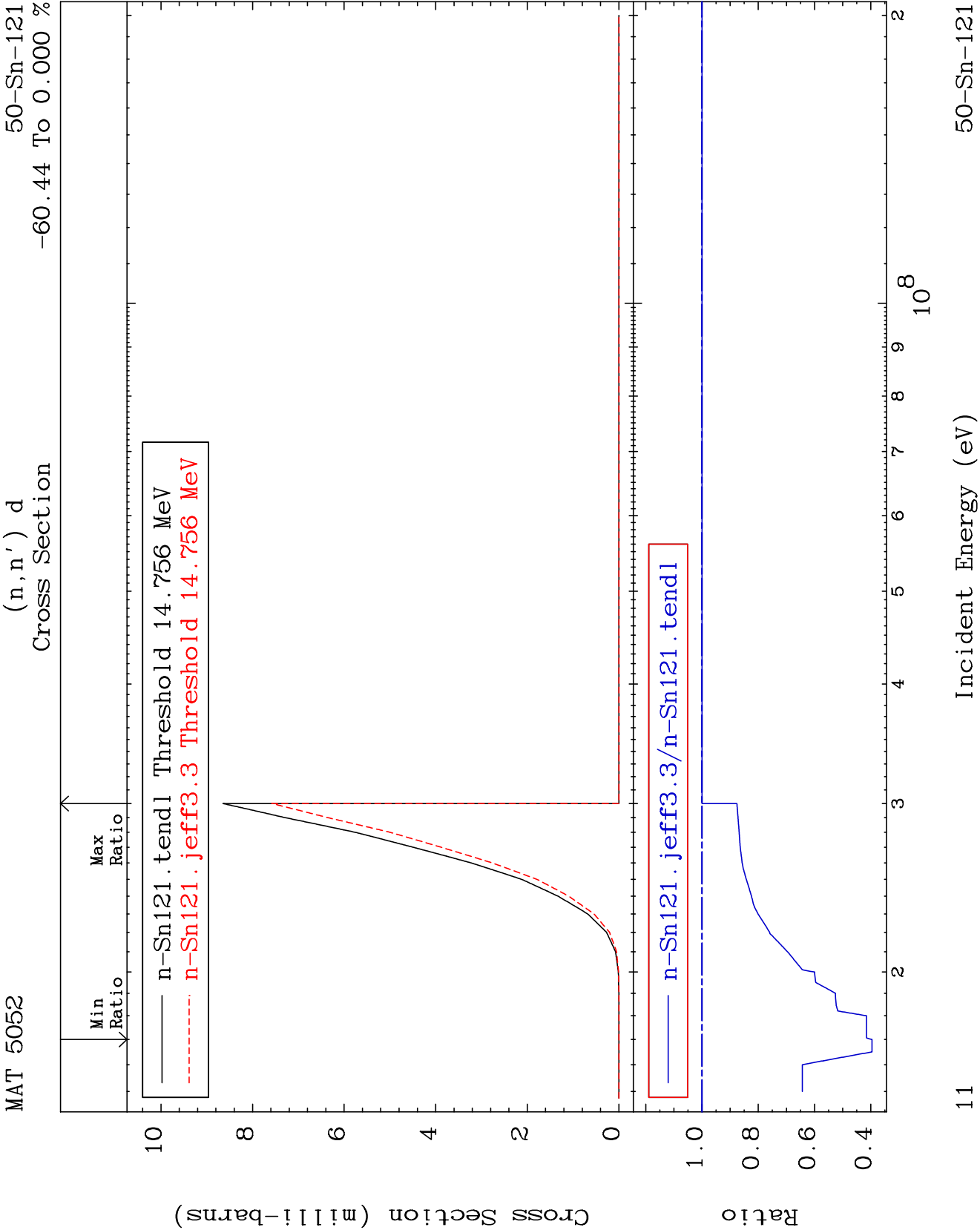
50-Sn-121
-40.71 To 0.000 %

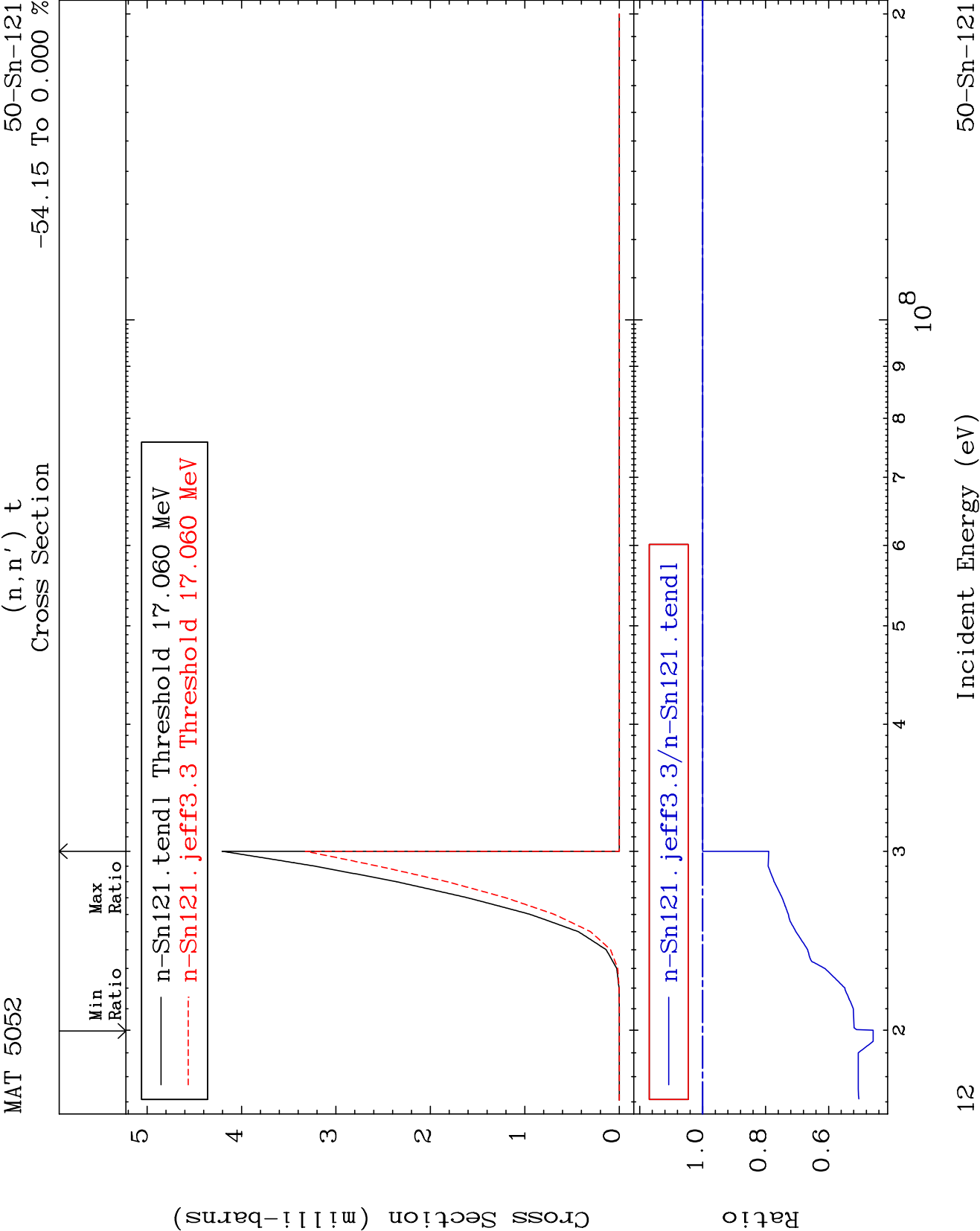


10

Incident Energy (eV)

50-Sn-121

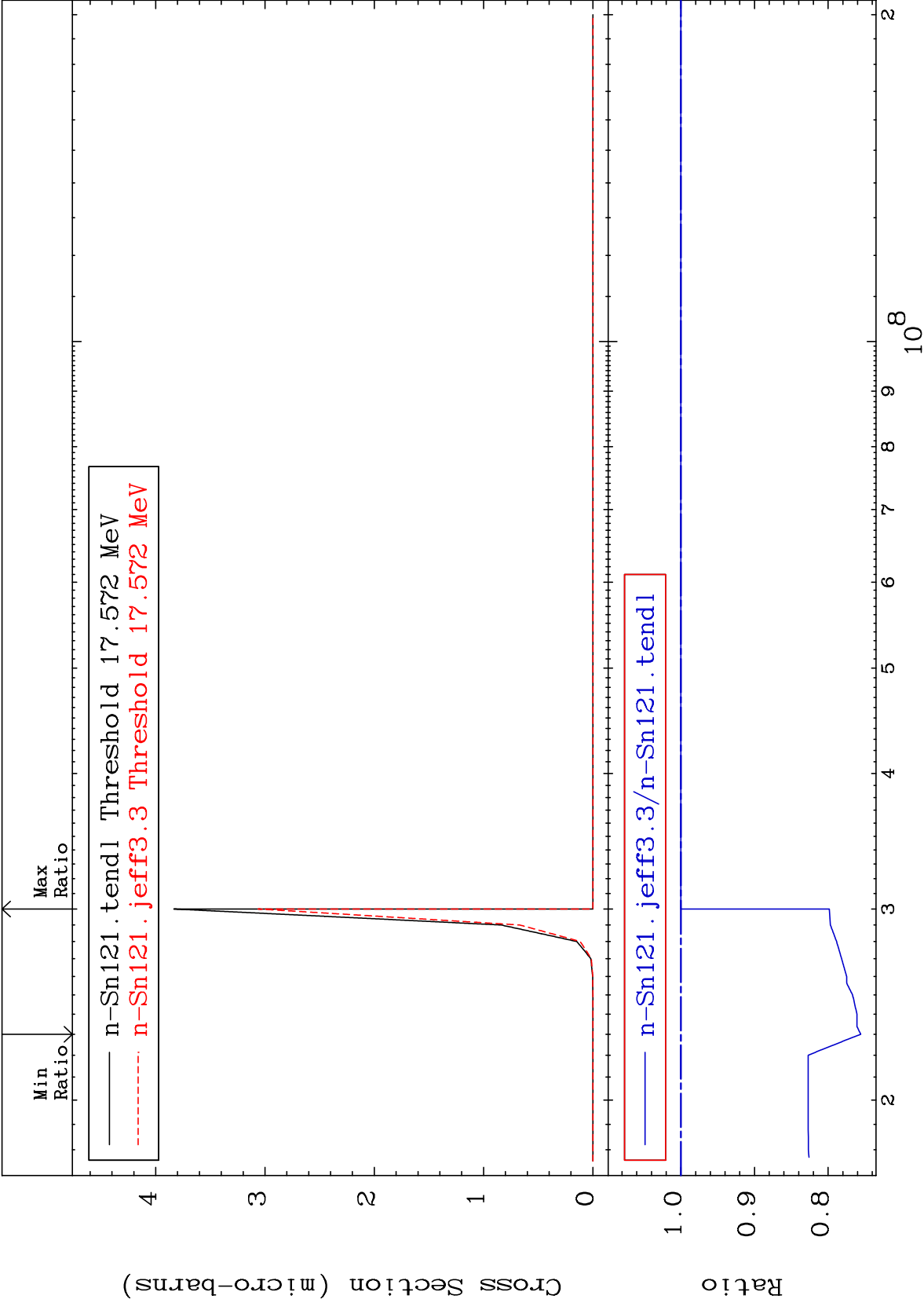




MAT 5052

(n, n') He-3
Cross Section

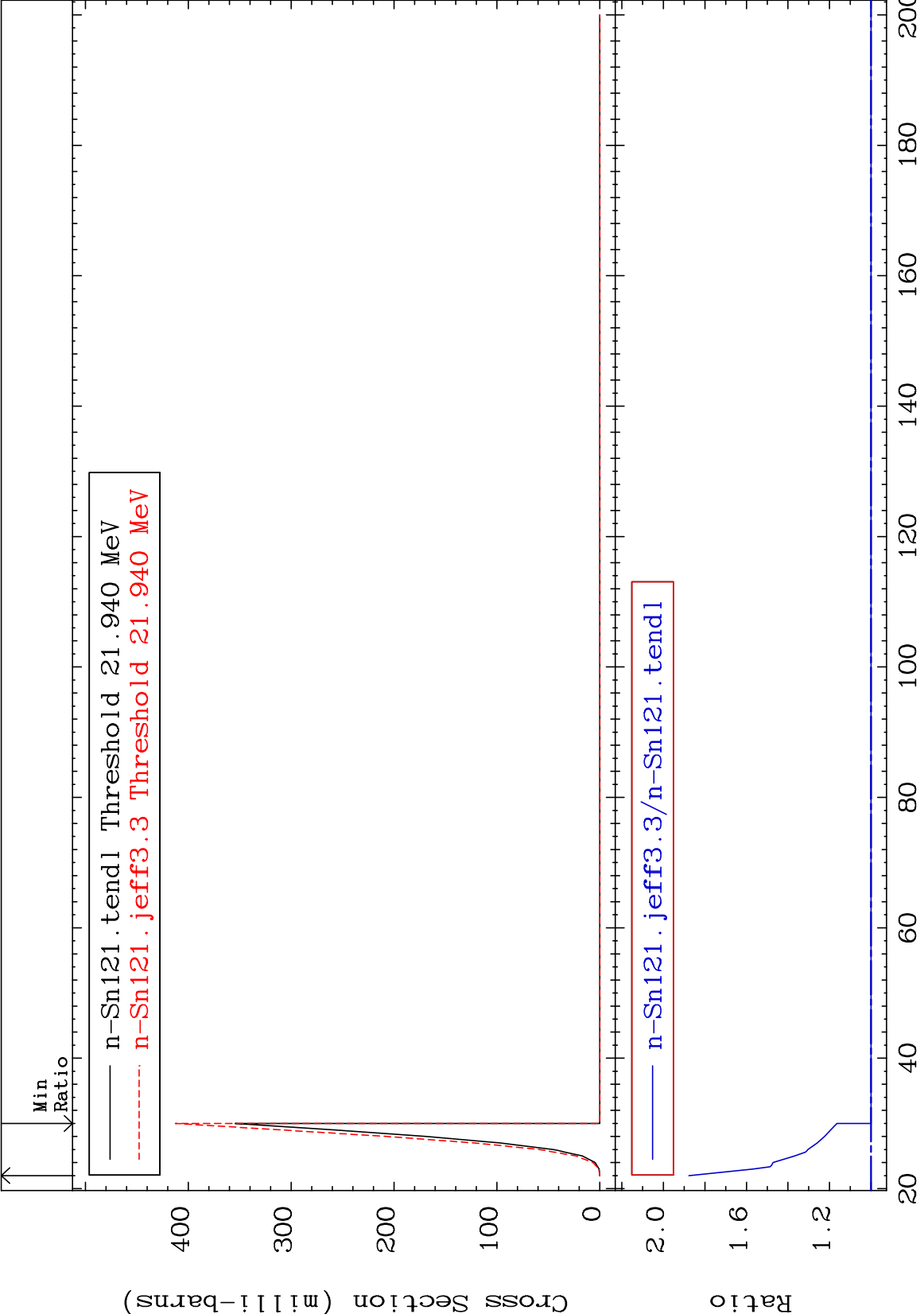
50-Sn-121
-24.43 To 0.000 %



MAT 5052

(n,4n)
Cross Section

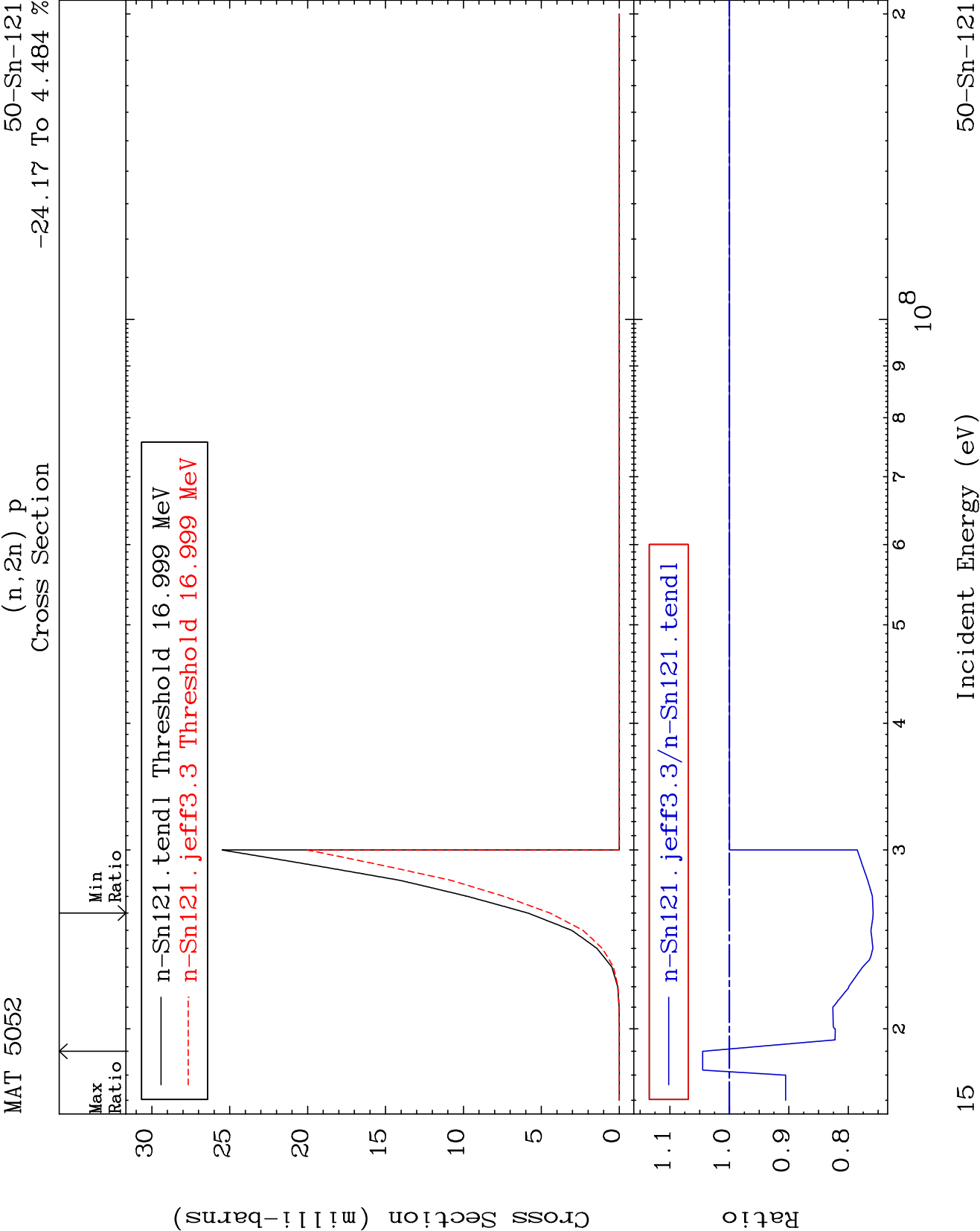
50-Sn-121
To 87.73 %



14

Incident Energy (MeV)

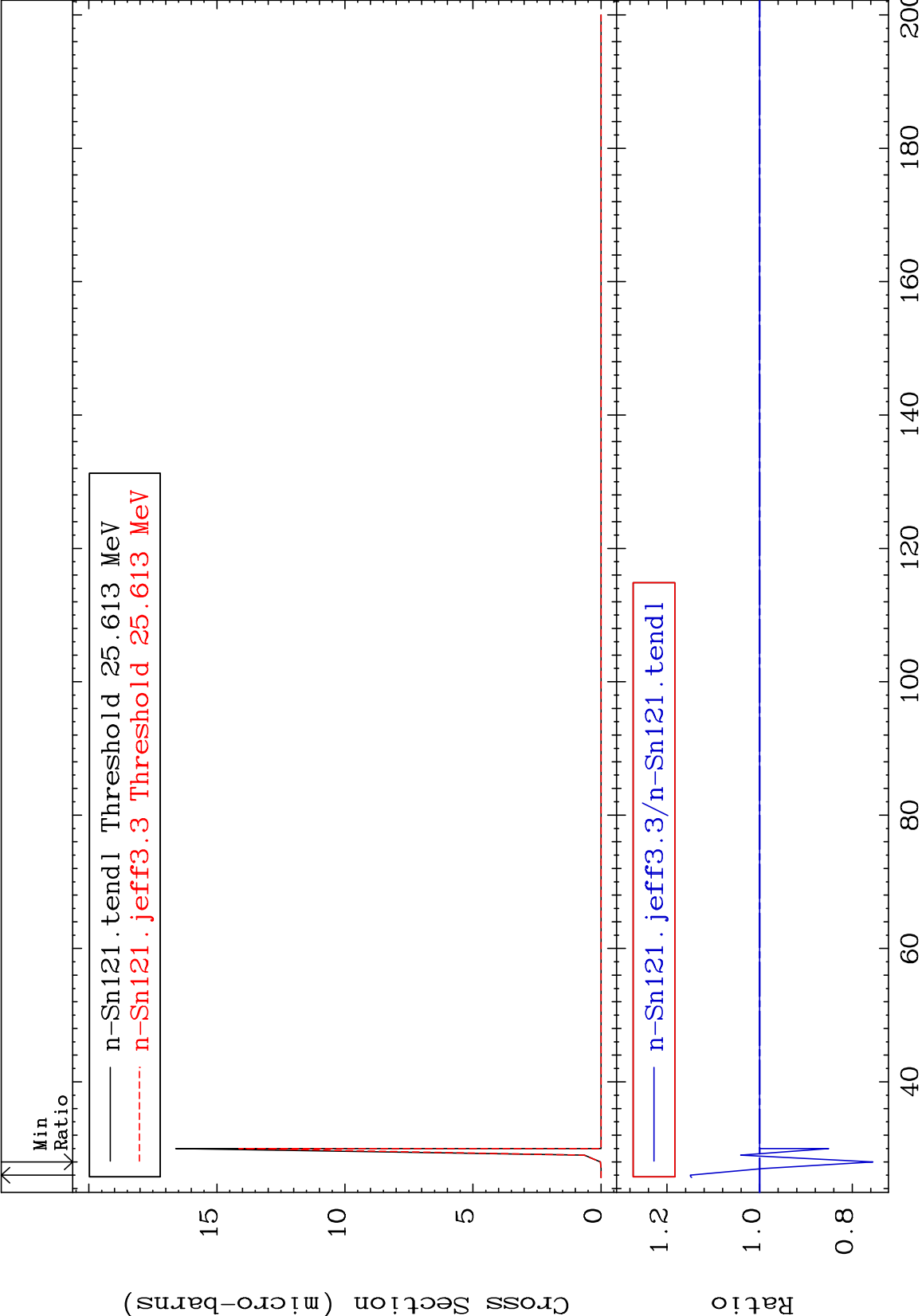
50-Sn-121



MAT 5052

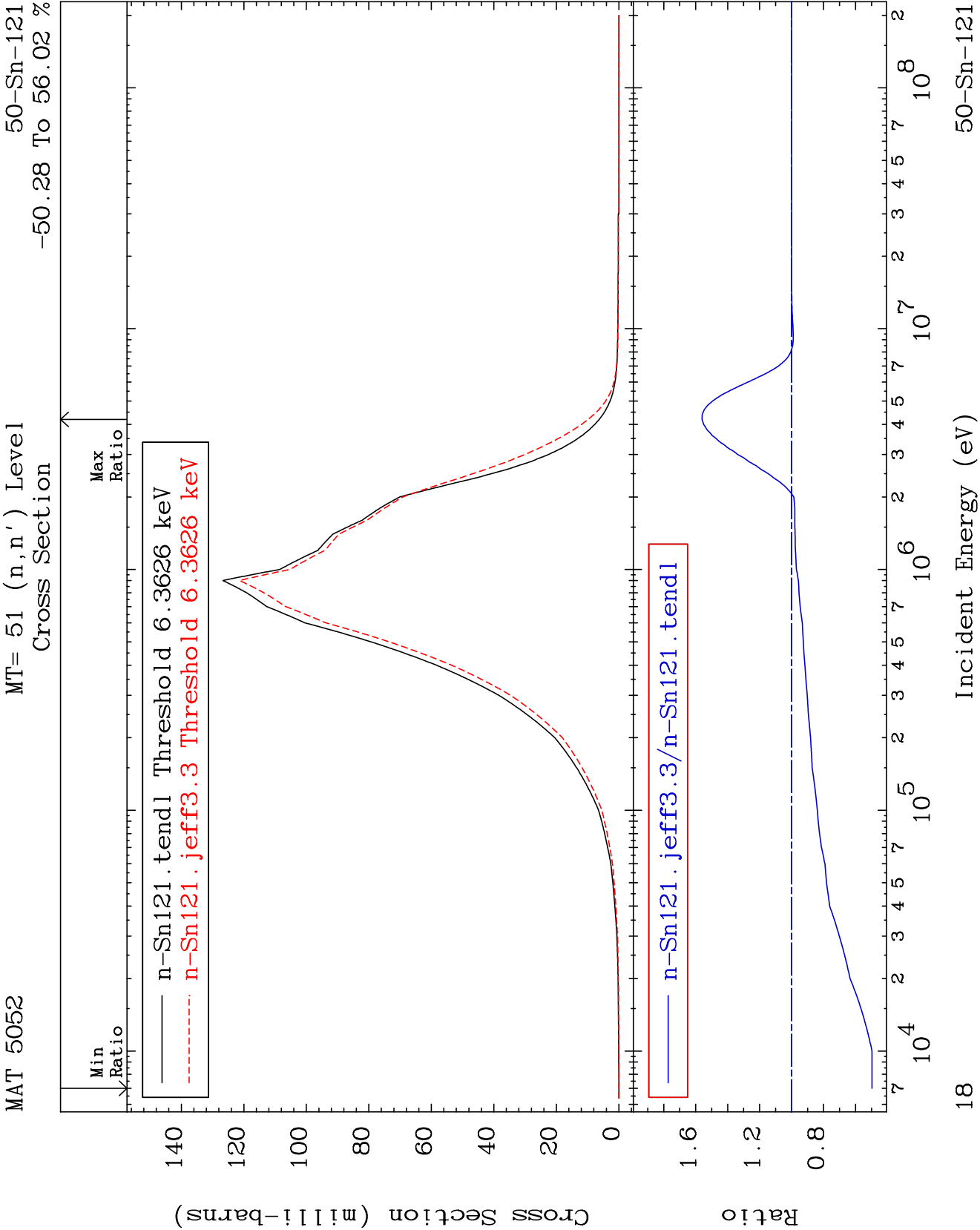
(n,3n) p
Cross Section

50-Sn-121
-24.44 To 14.96 %



(n,2n) p
Cross Section





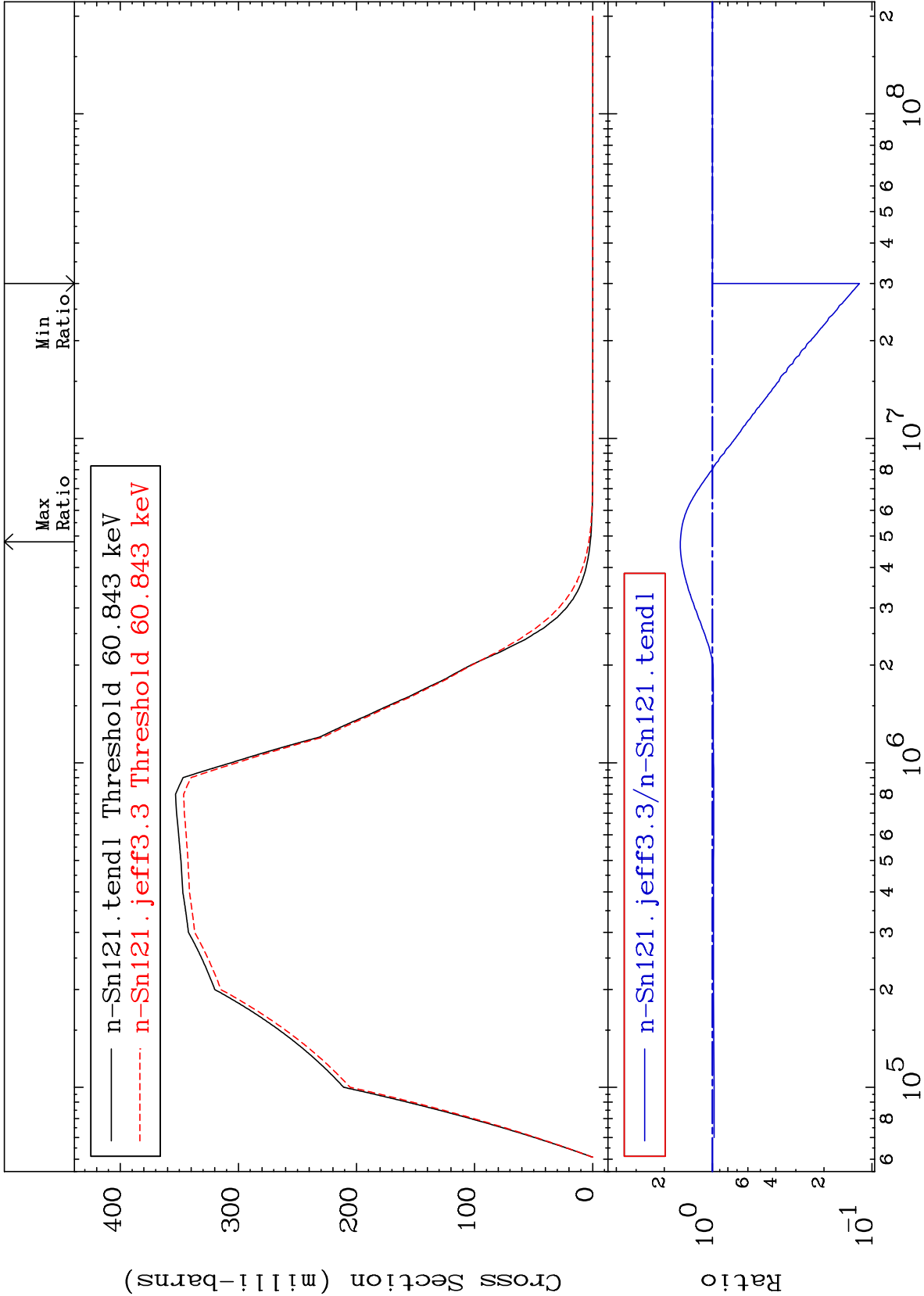
MAT 5052

MT= 52 (n,n') Level

50-Sn-121

-88.01 To 58.65 %

Cross Section



19

Incident Energy (eV)

50-Sn-121

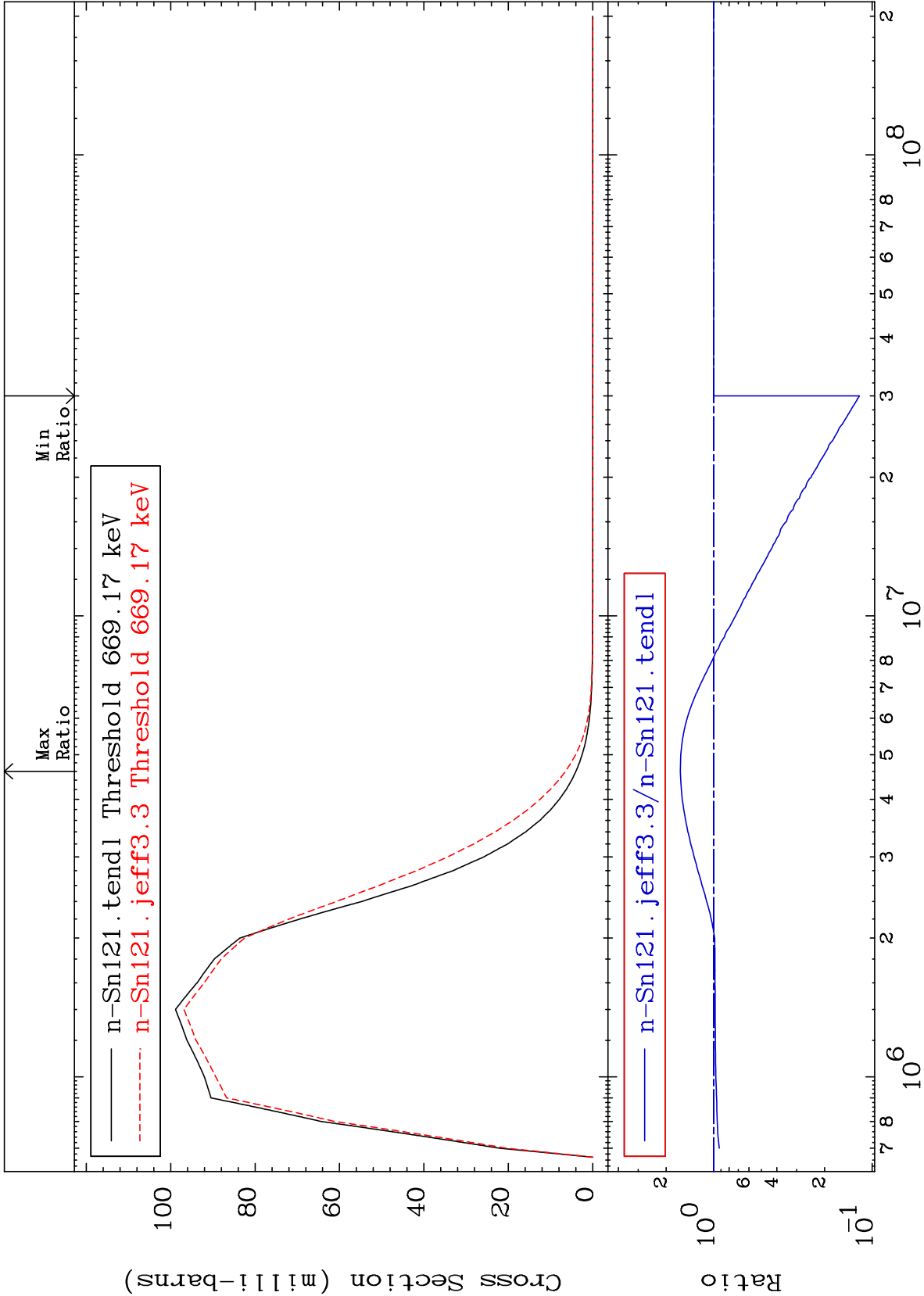
MAT 5052

MT= 53 (n,n') Level

50-Sn-121

Cross Section

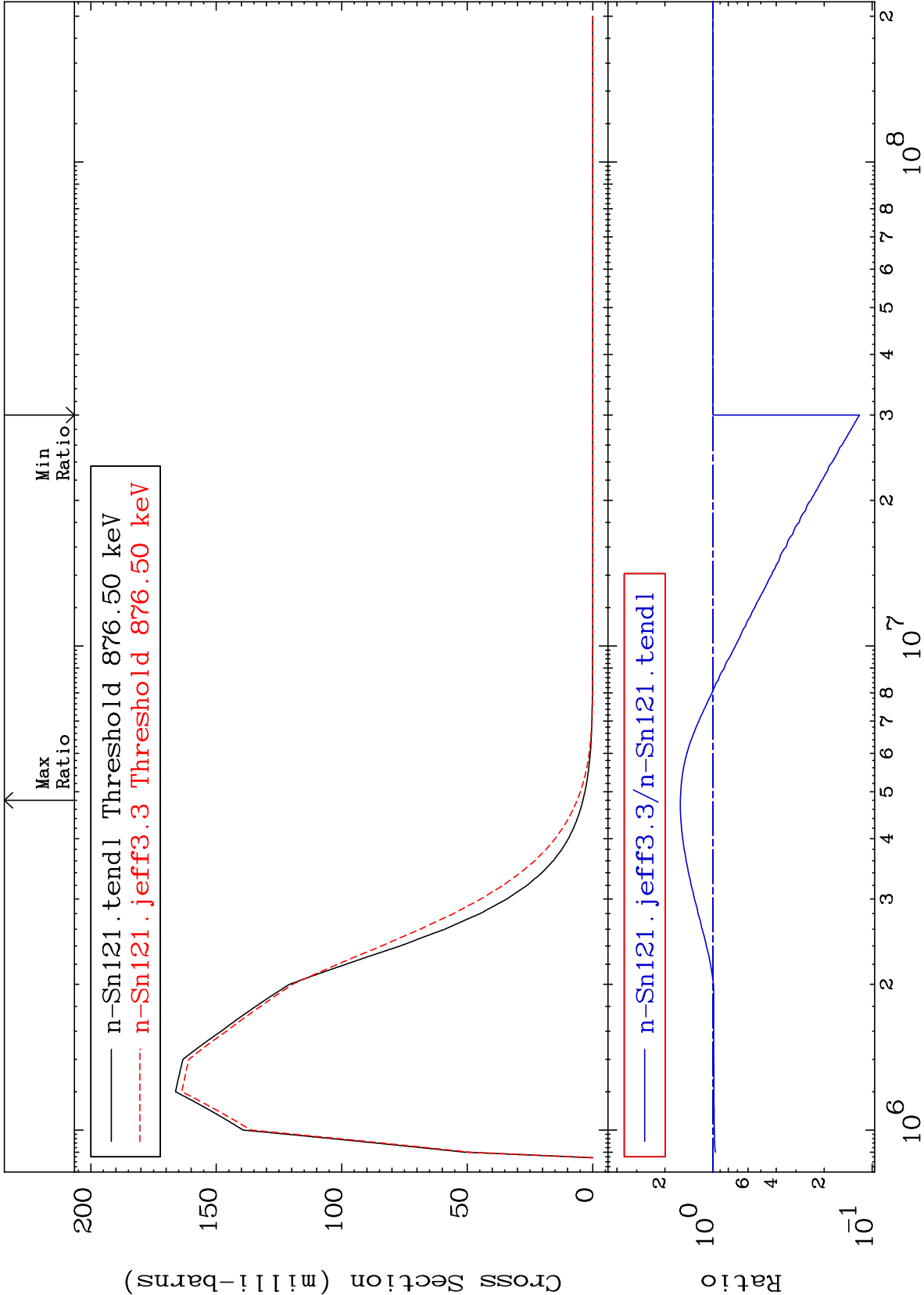
-87.96 To 62.42 %



MAT 5052

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

50-Sn-121
-88.00 To 59.75 %



21

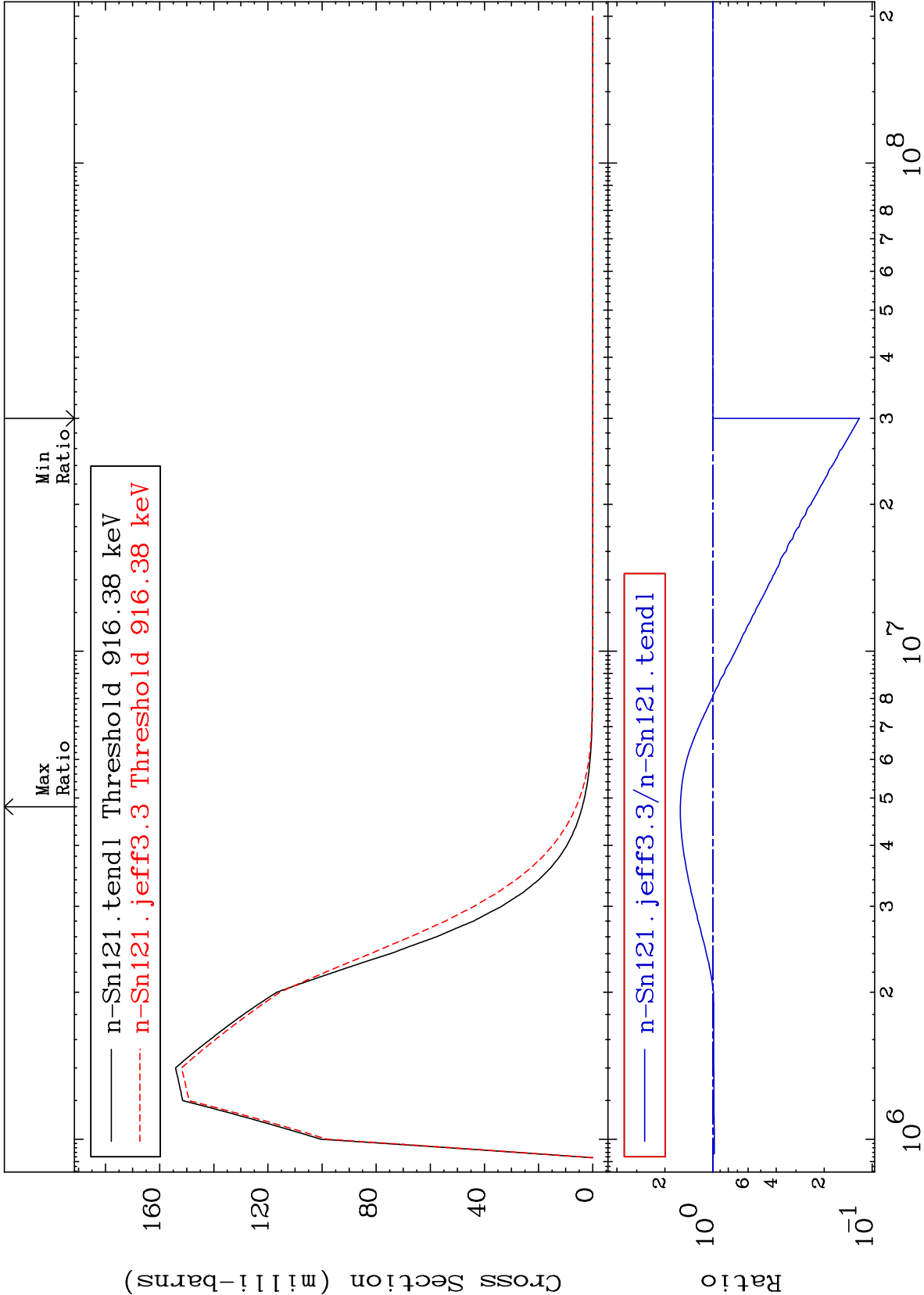
Incident Energy (eV)

50-Sn-121

MAT 5052

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

50-Sn-121
-88.00 To 59.74 %



22

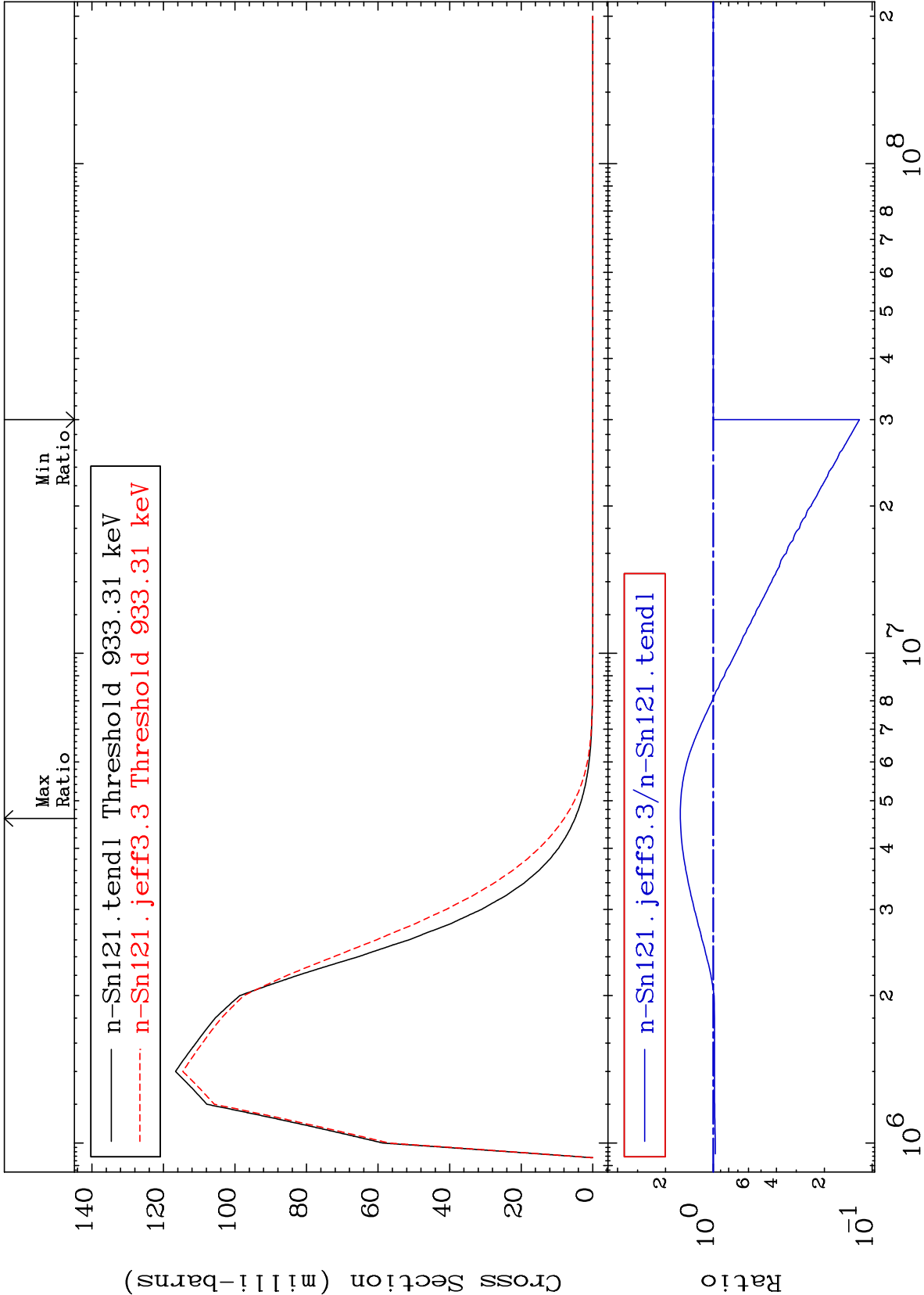
Incident Energy (eV)

50-Sn-121

MAT 5052

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

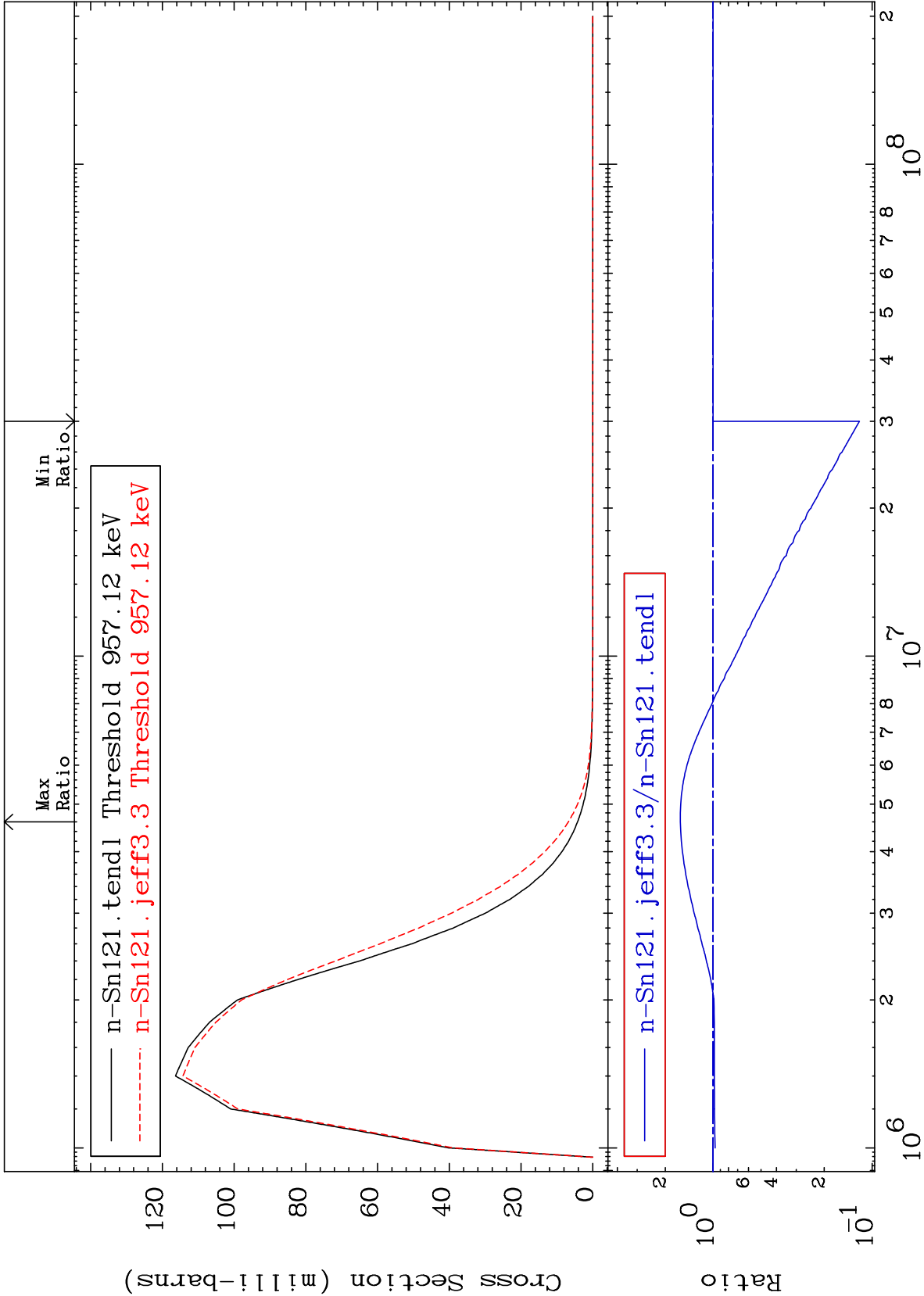
50-Sn-121
-87.98 To 61.17 %



MAT 5052

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

50-Sn-121
-87.98 To 60.70 %



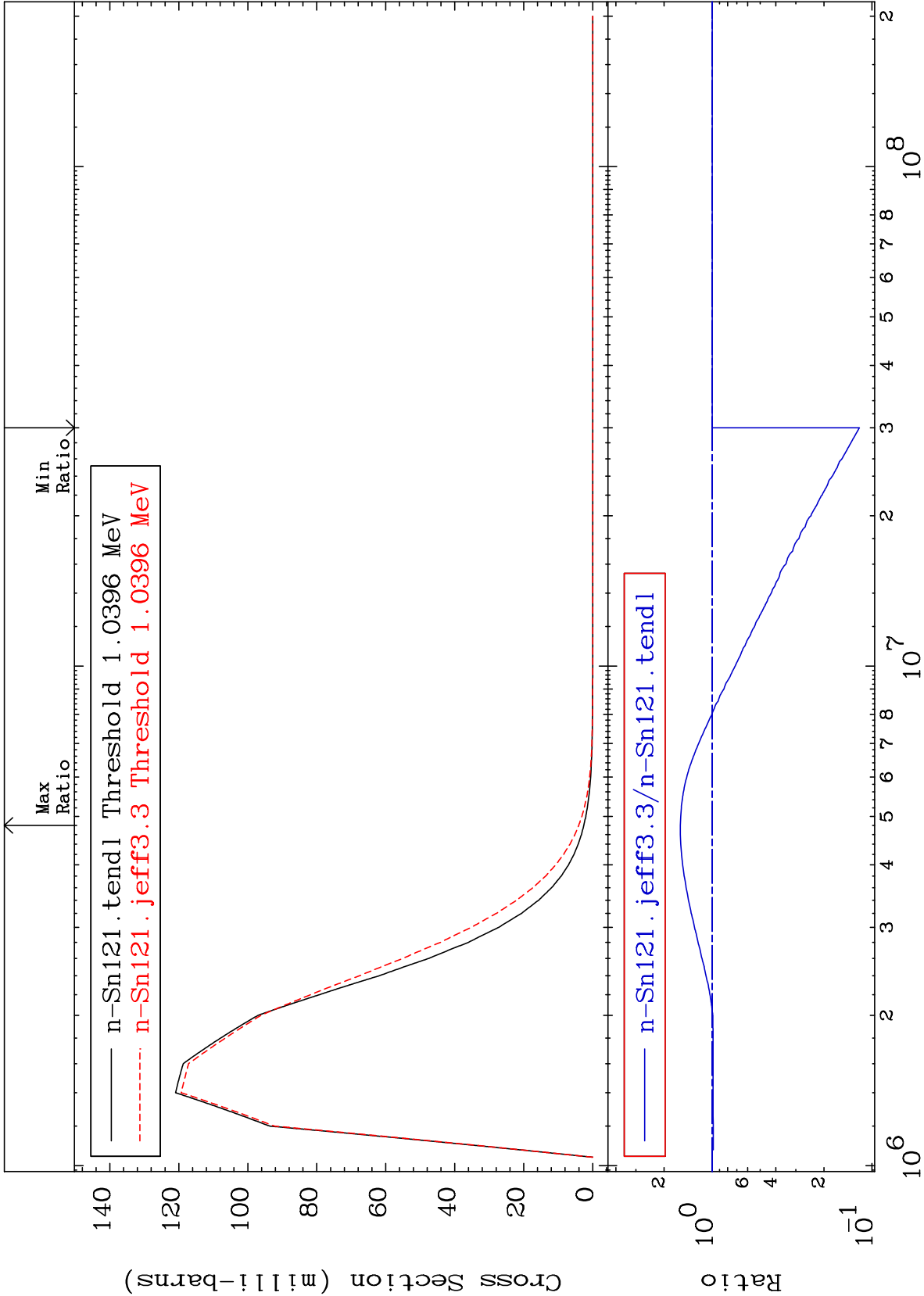
Incident Energy (eV)

50-Sn-121

MAT 5052

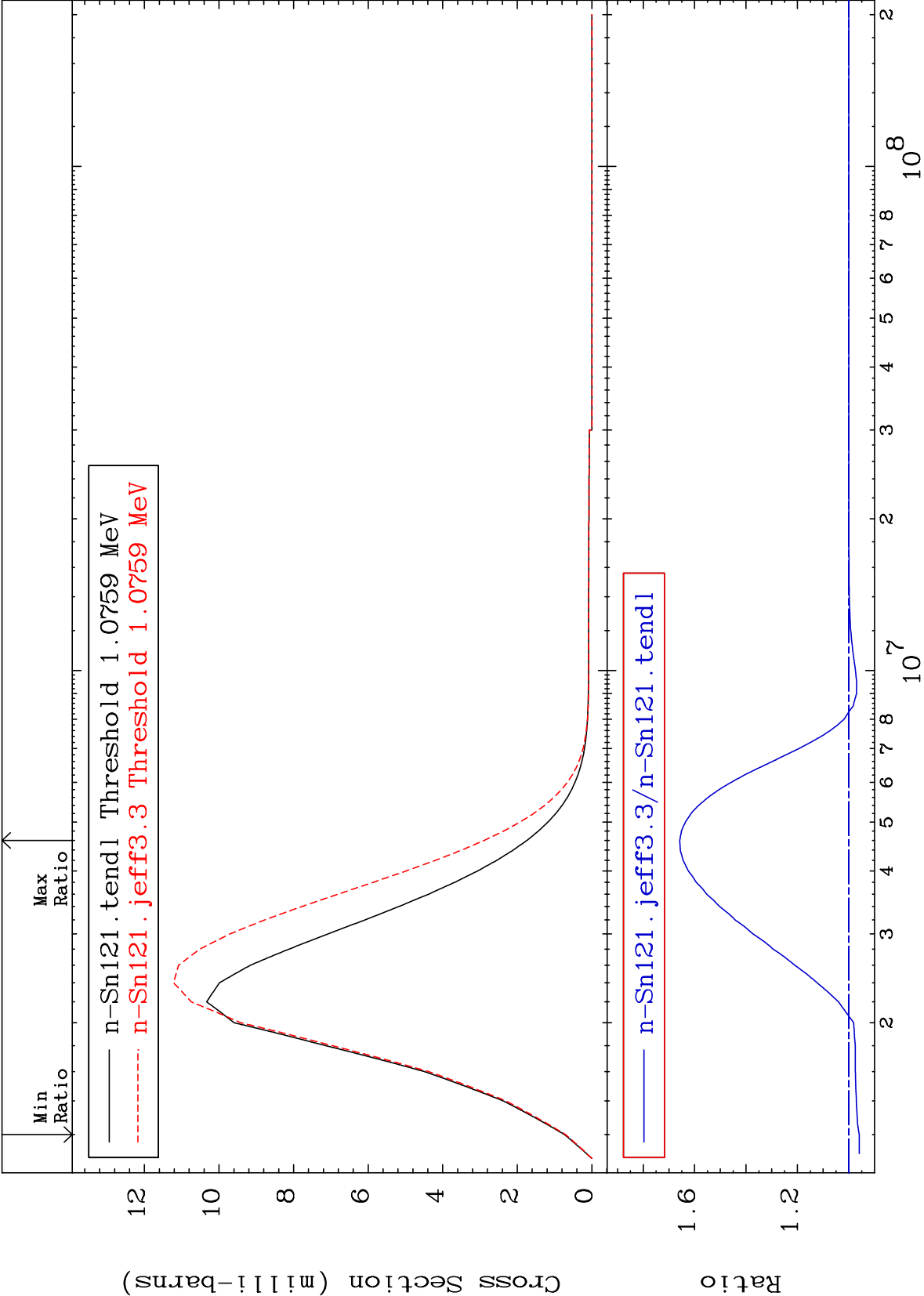
MT= 58 (n,n') Level
Cross Section

50-Sn-121
-88.01 To 58.06 %



Incident Energy (eV)

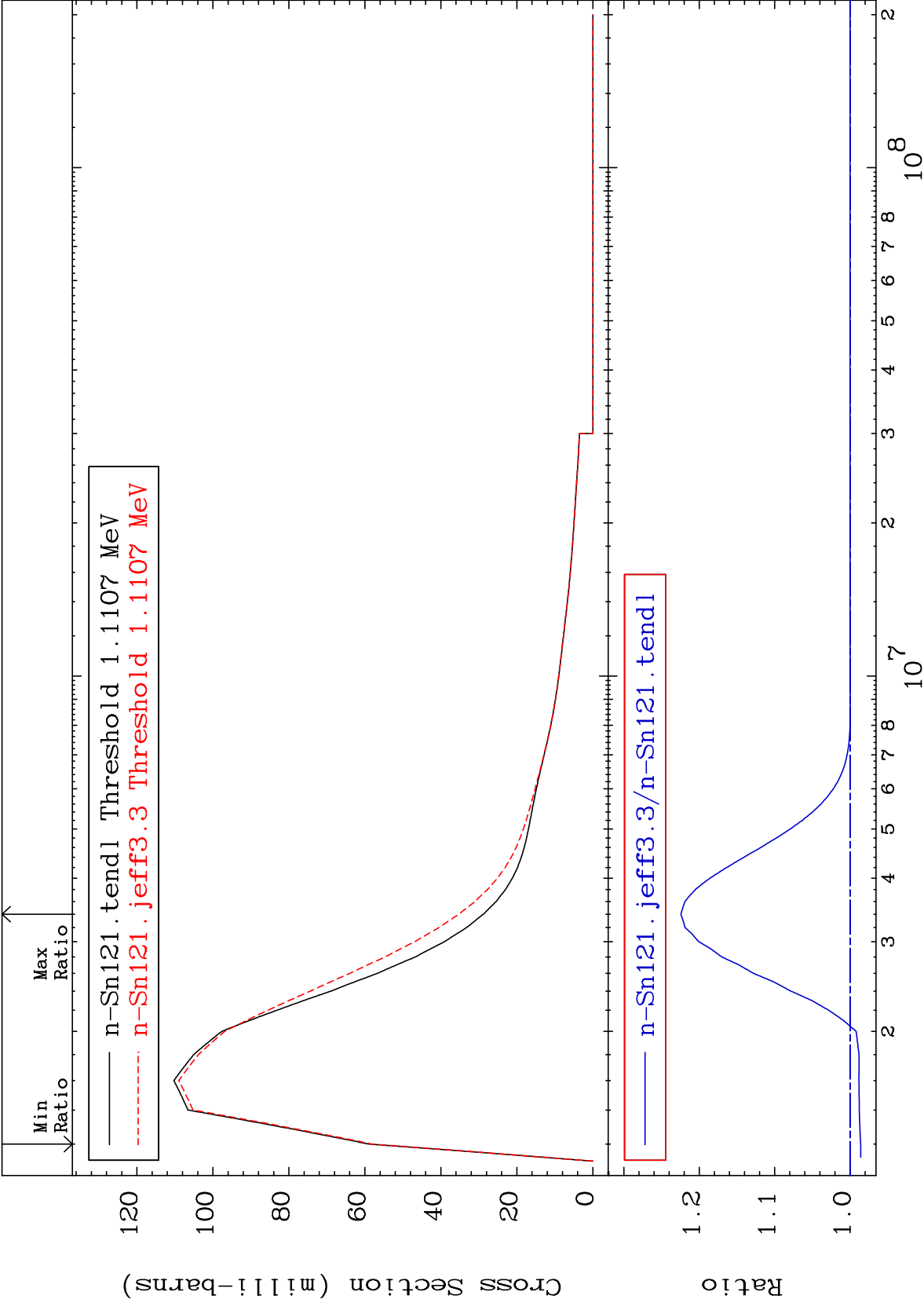
50-Sn-121



MAT 5052

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

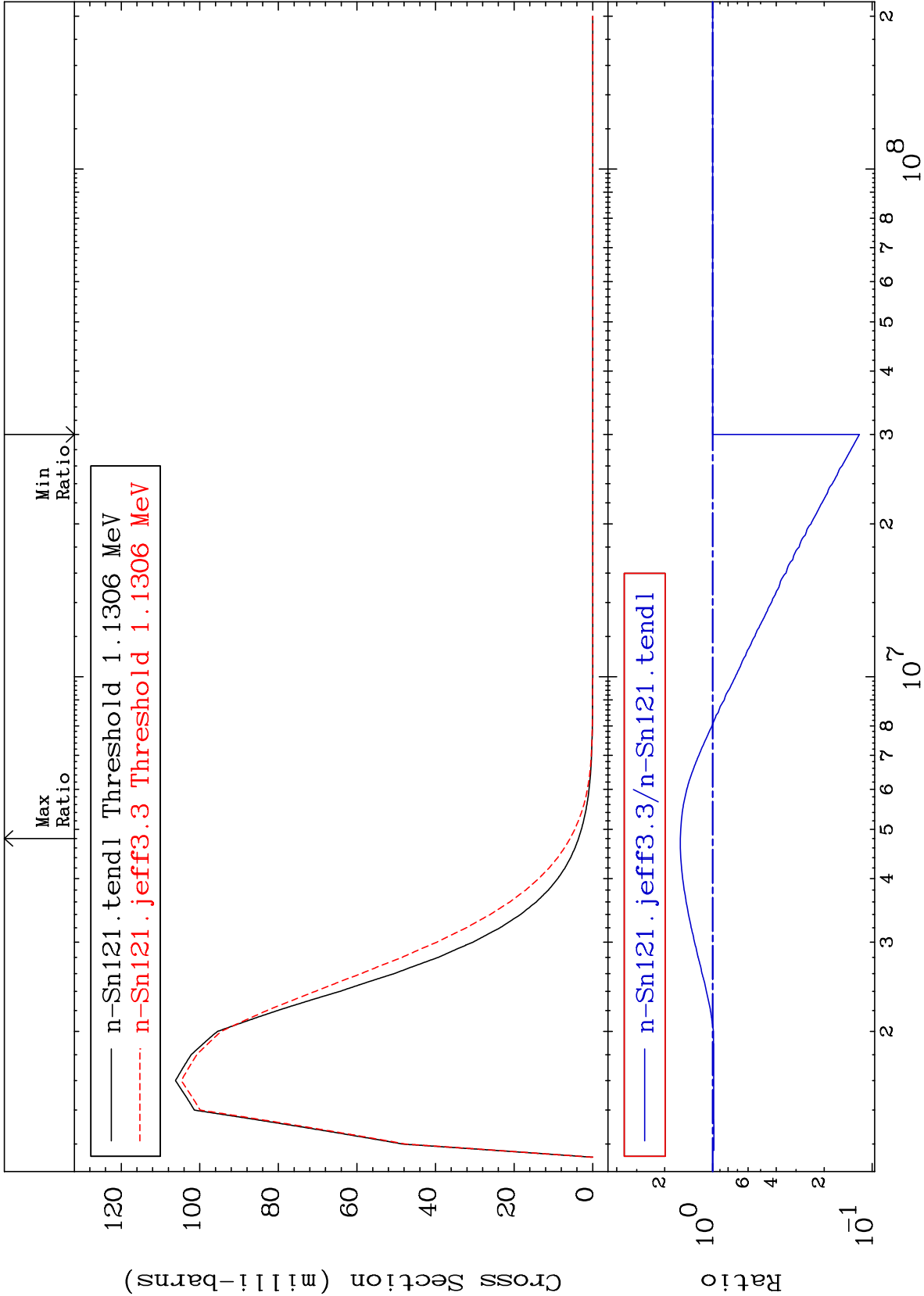
50-Sn-121
-1.414 To 22.44 %

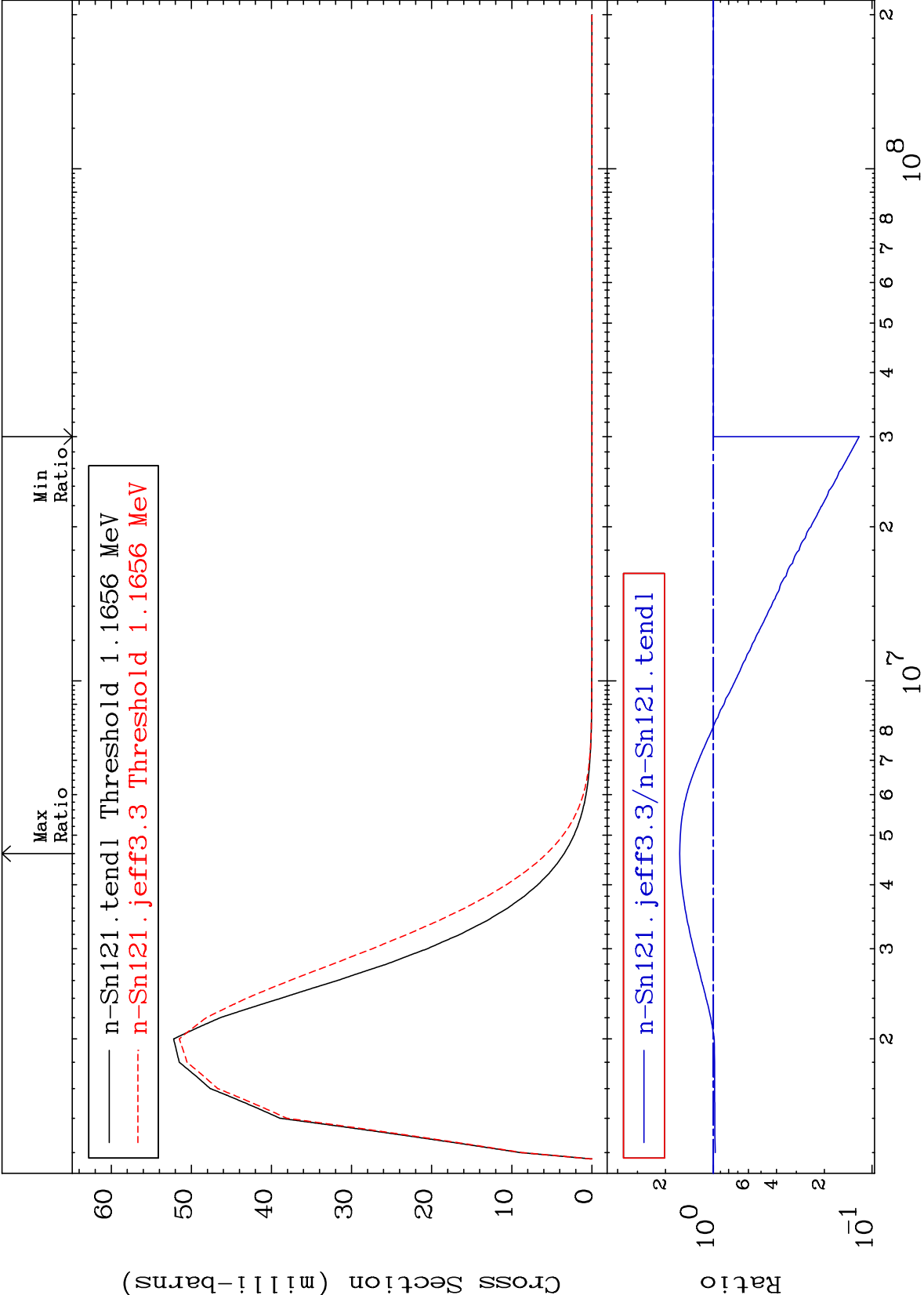


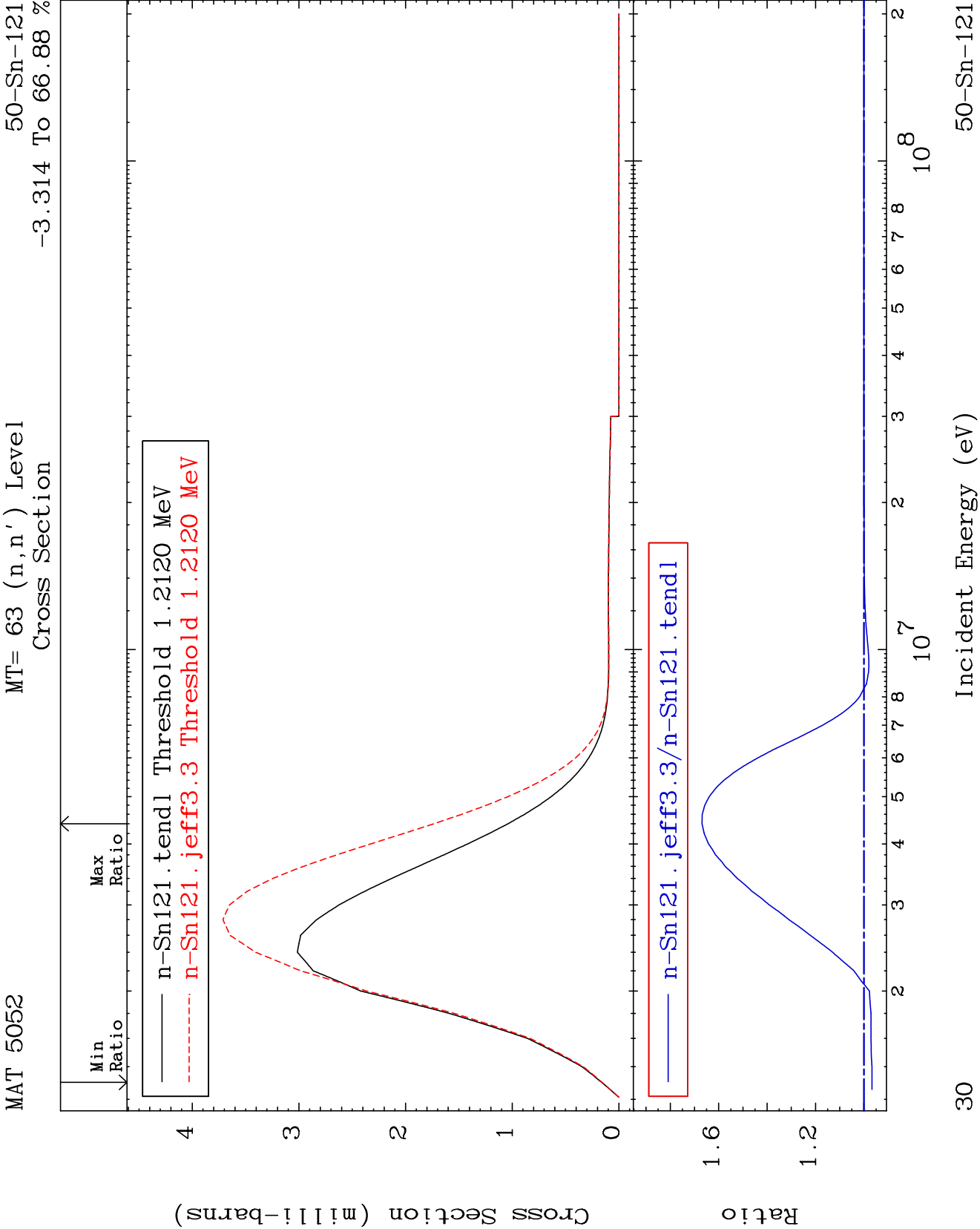
MAT 5052

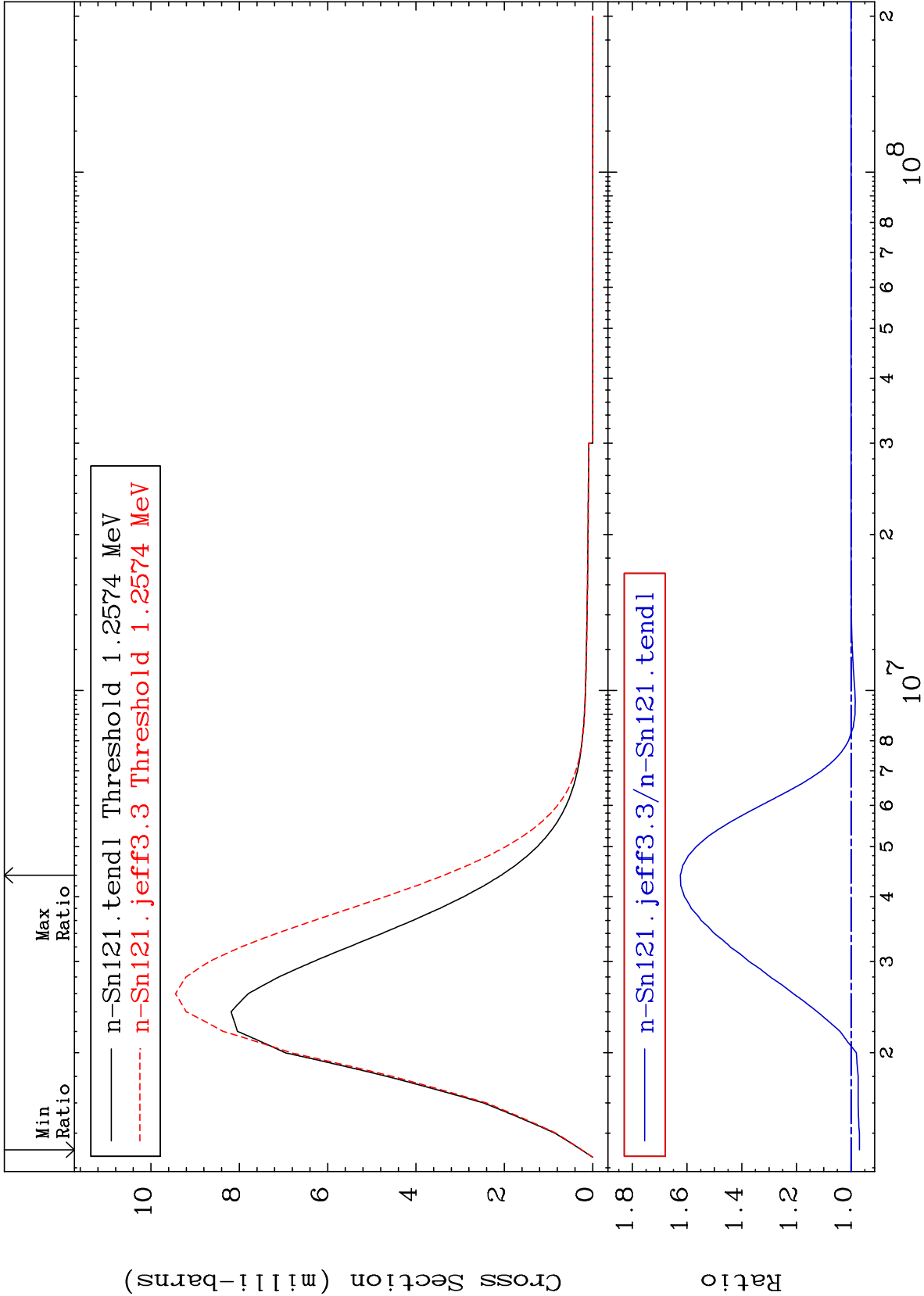
MT= 61 (n,n') Level
Cross Section

50-Sn-121
-88.00 To 59.63 %





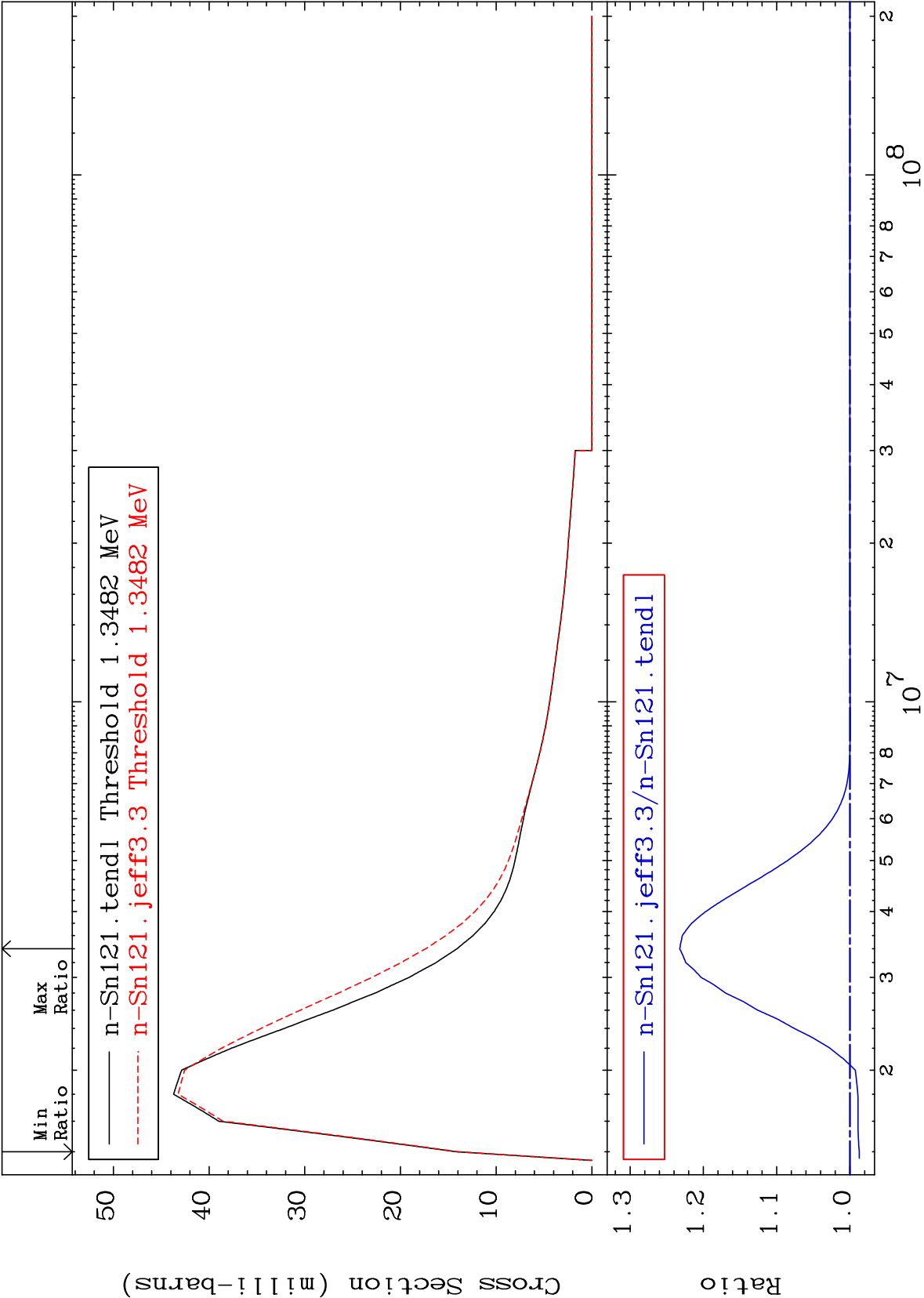




MAT 5052

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

50-Sn-121
-1.273 To 23.22 %



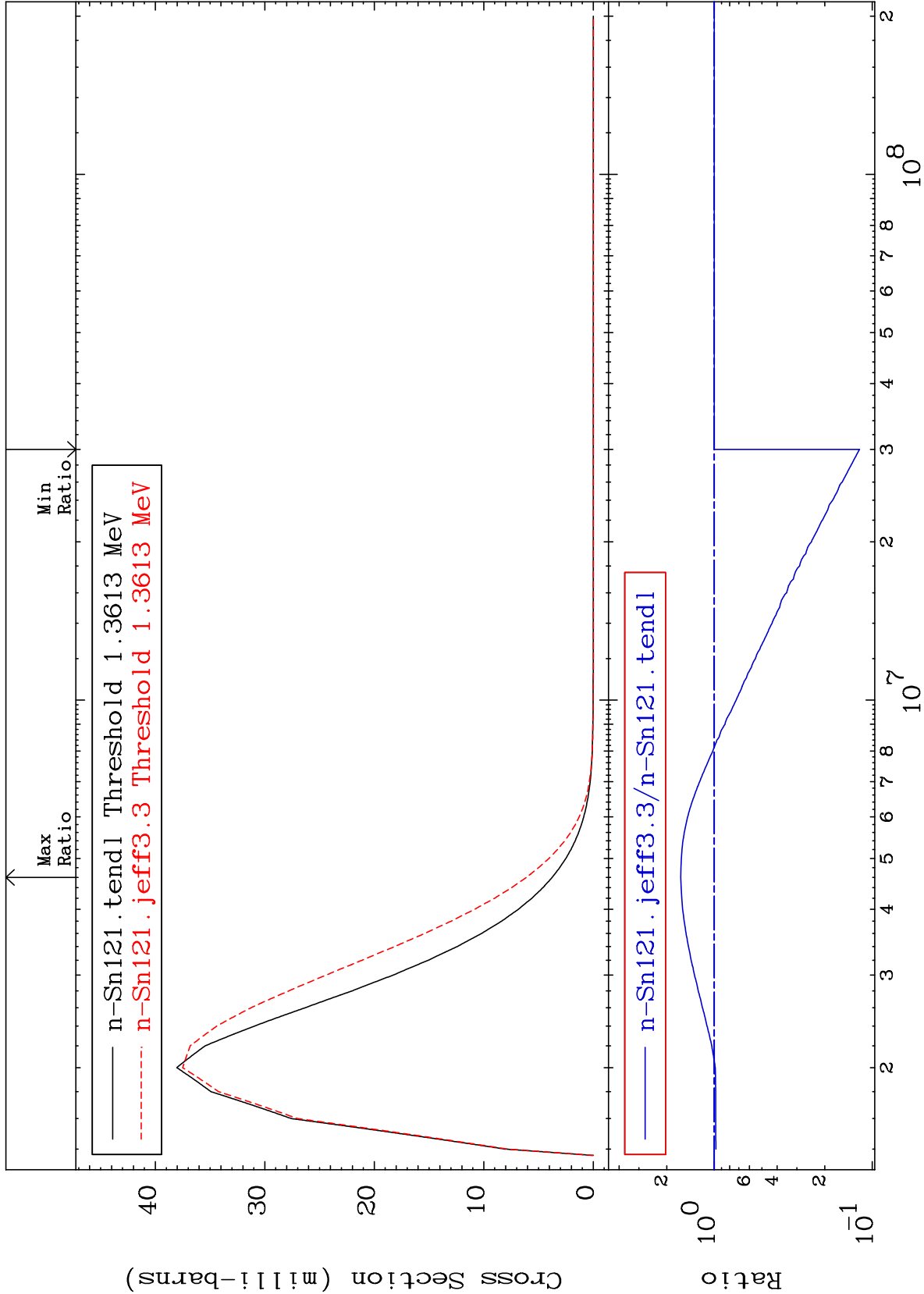
MAT 5052

MT= 66 (n,n') Level

50-Sn-121

-87.96 To 62.97 %

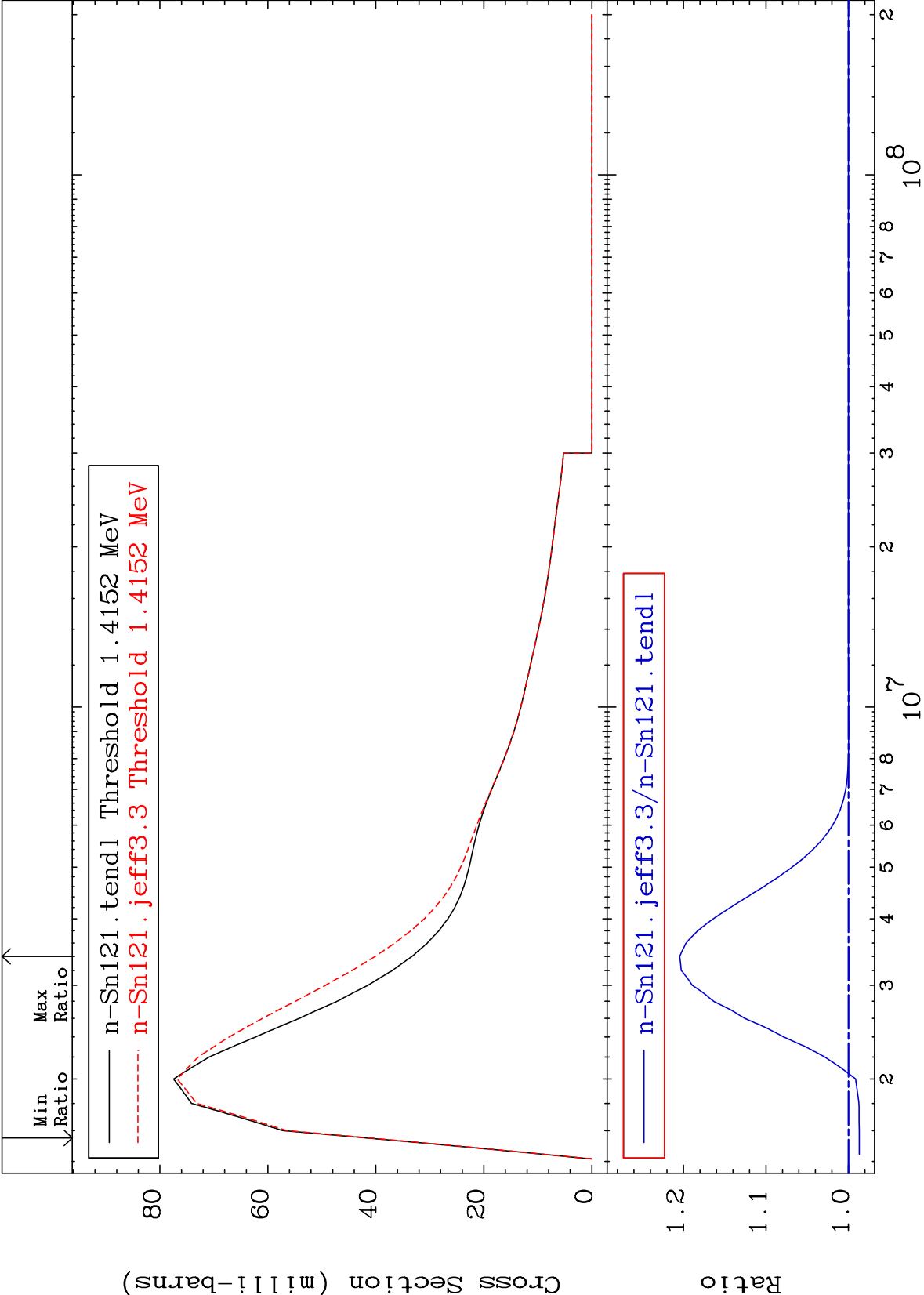
Cross Section



MAT 5052

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

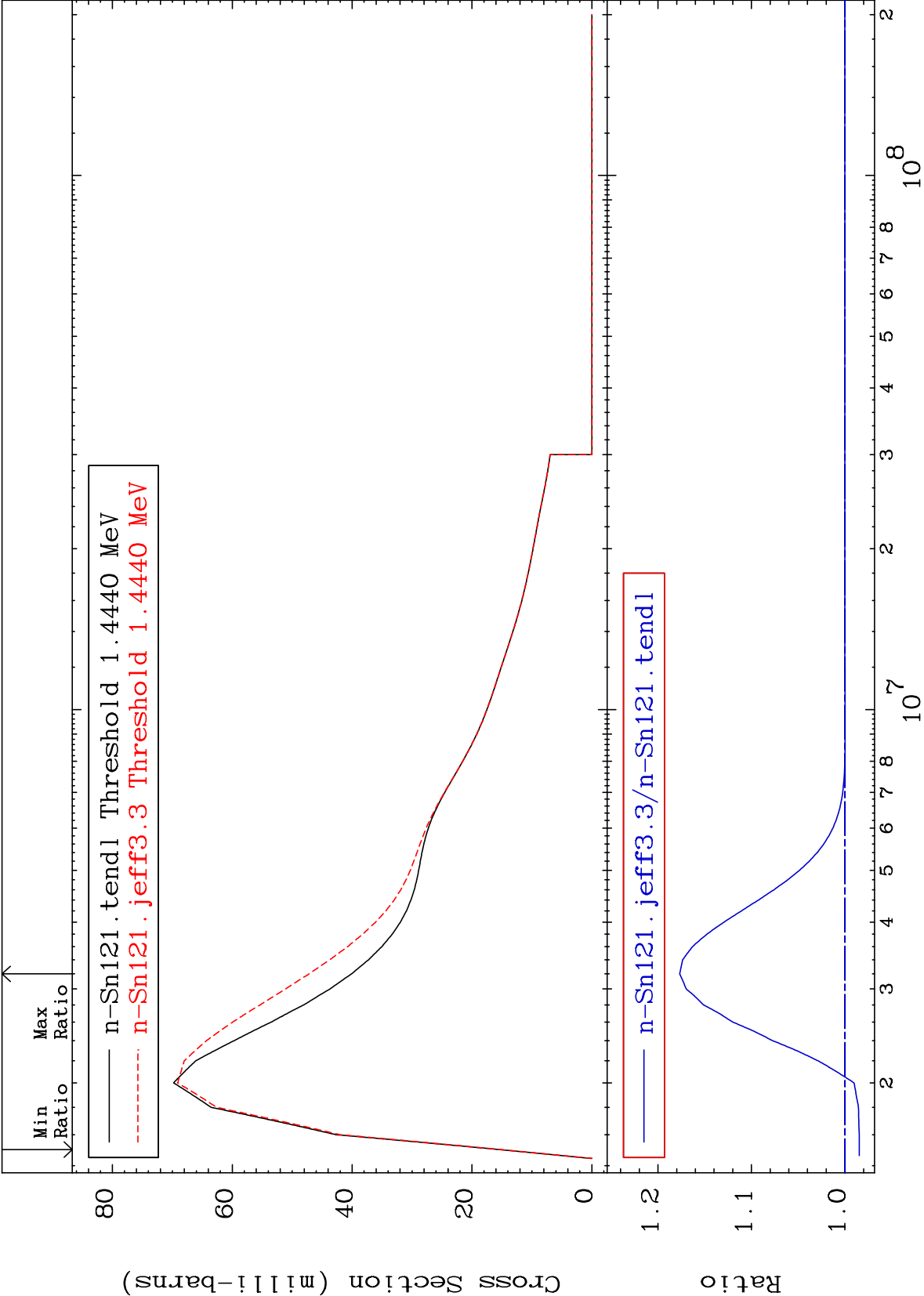
50-Sn-121
-1.310 To 20.45 %

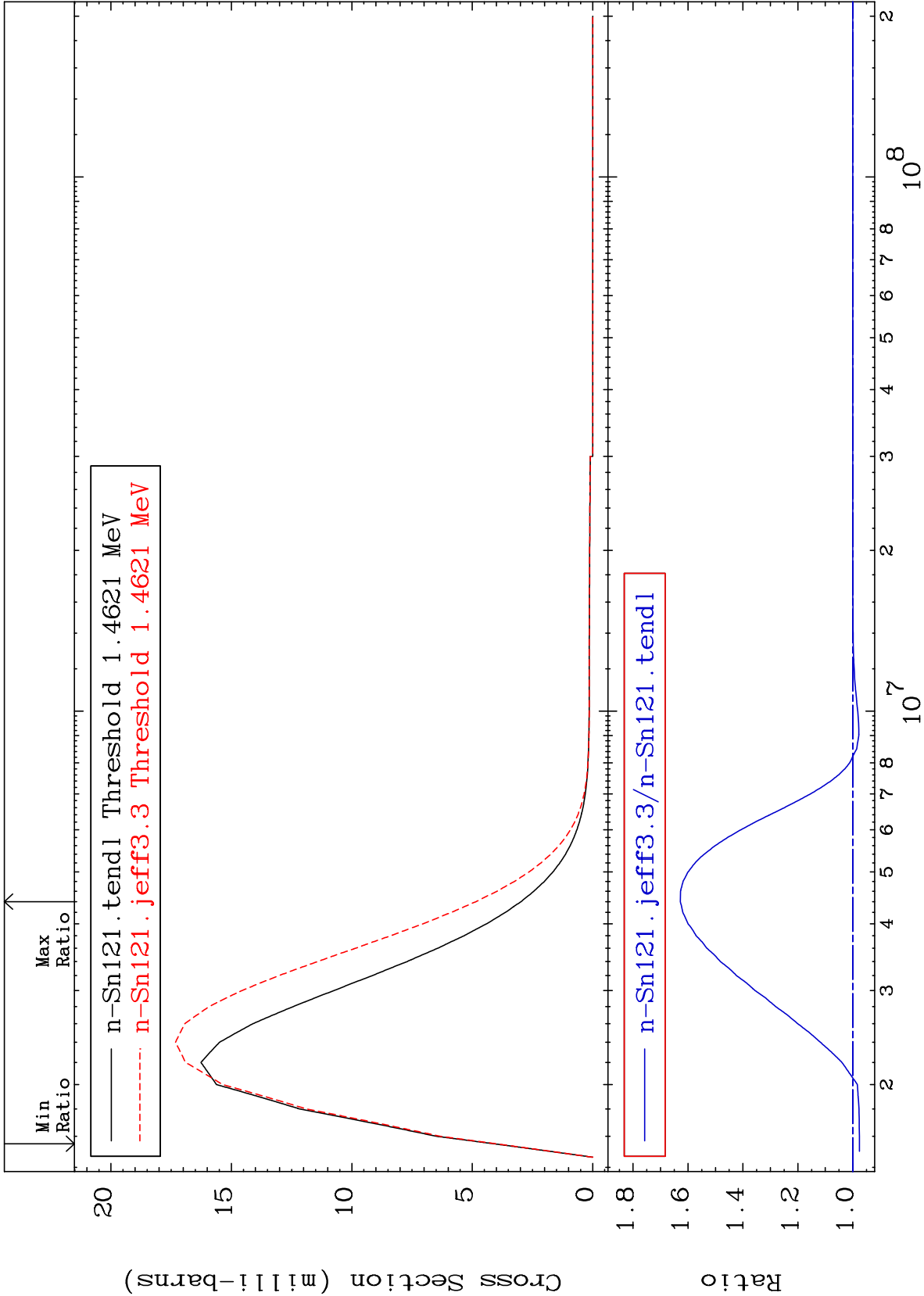


MAT 5052

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

50-Sn-121
-1.537 To 17.67 %

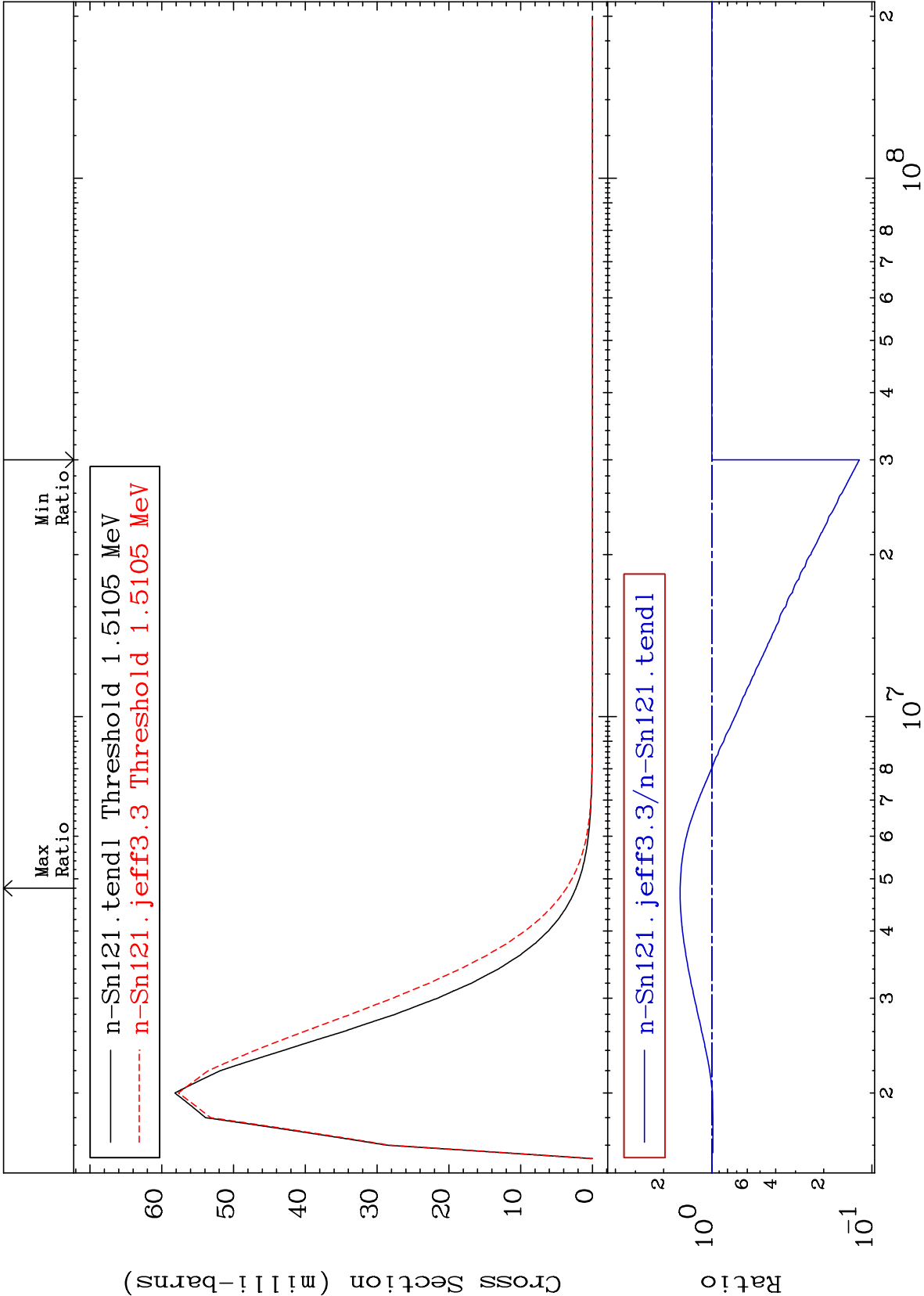




MAT 5052

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

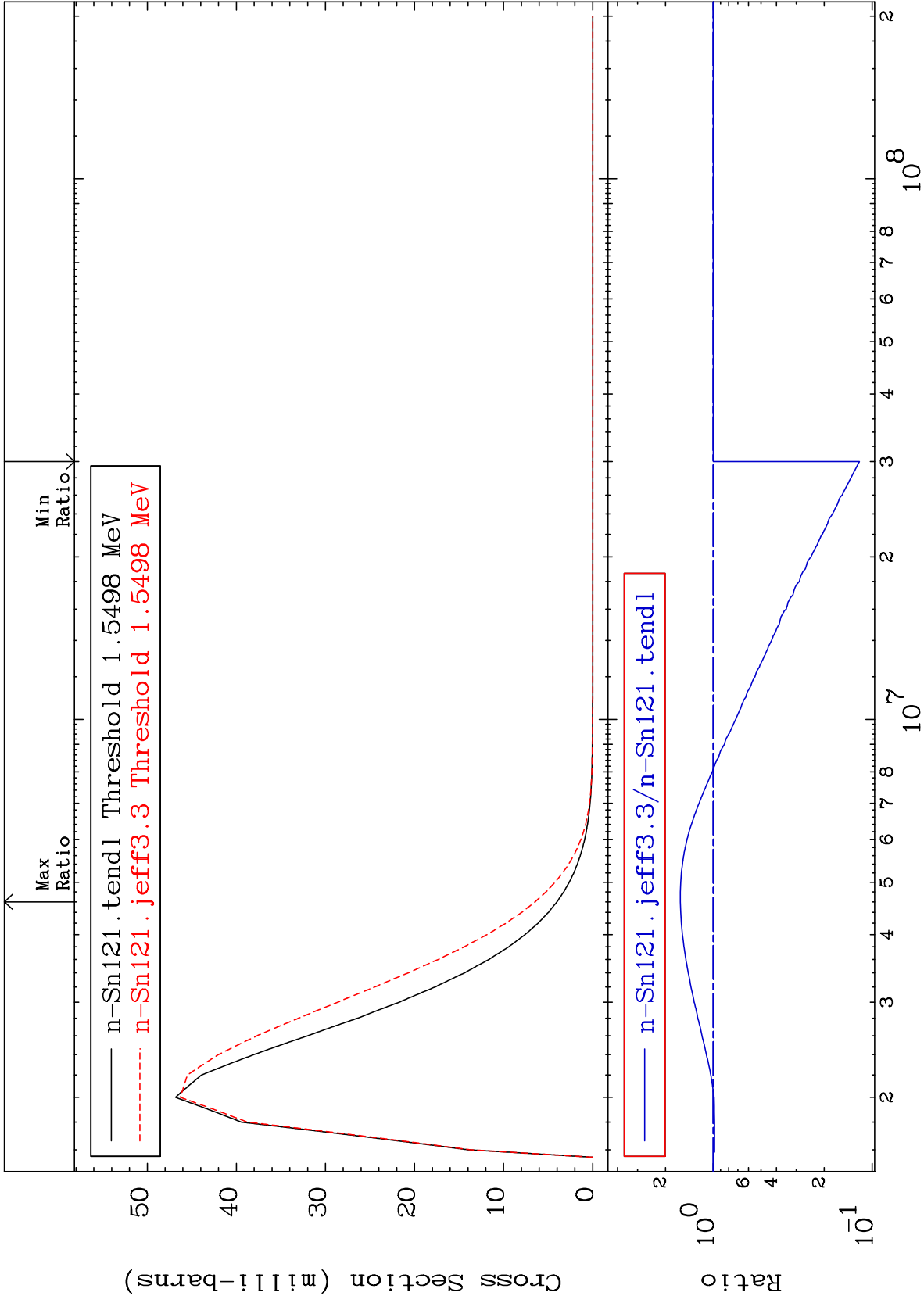
50-Sn-121
-88.01 To 57.84 %

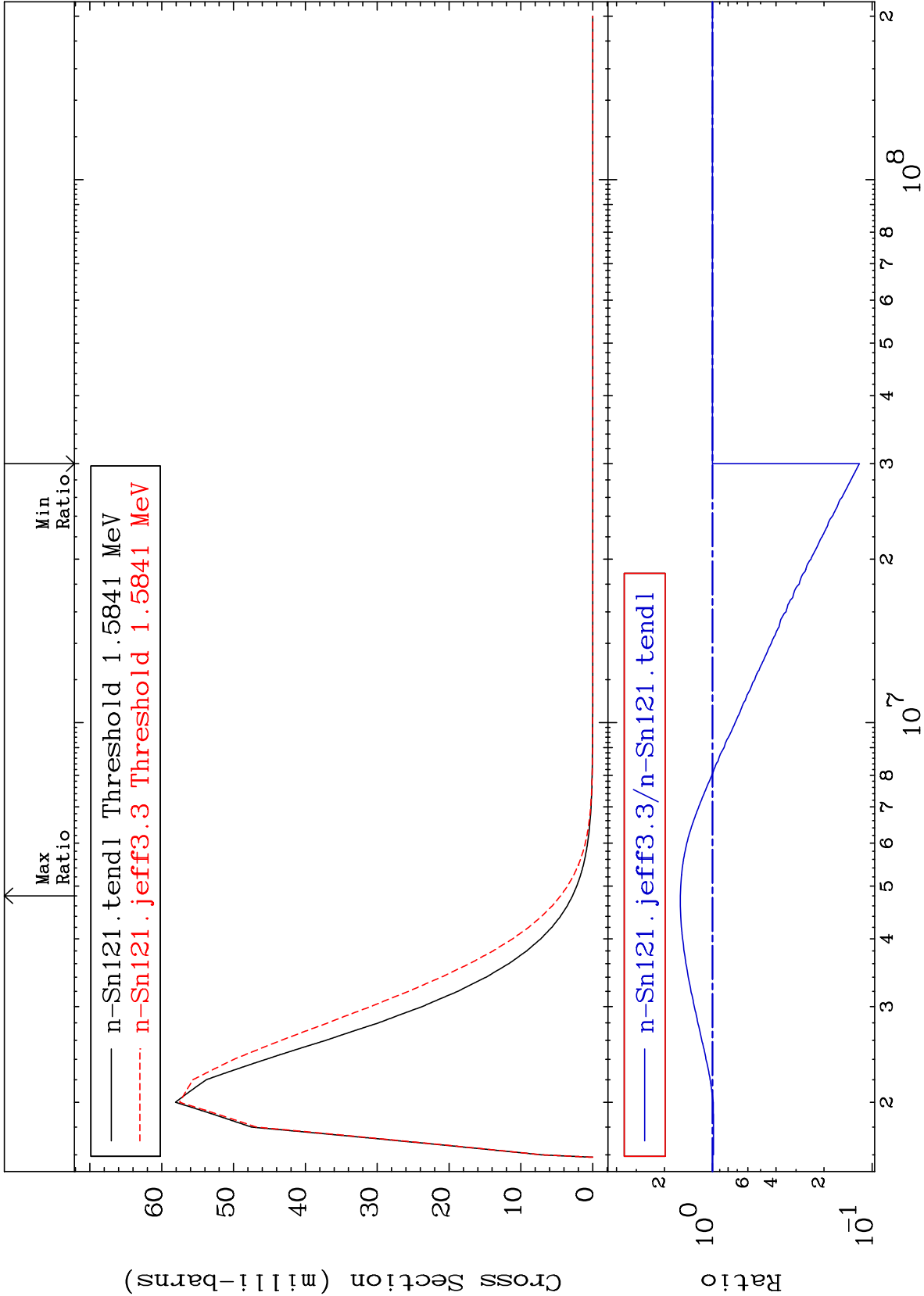


MAT 5052

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

50-Sn-121
-87.98 To 61.12 %

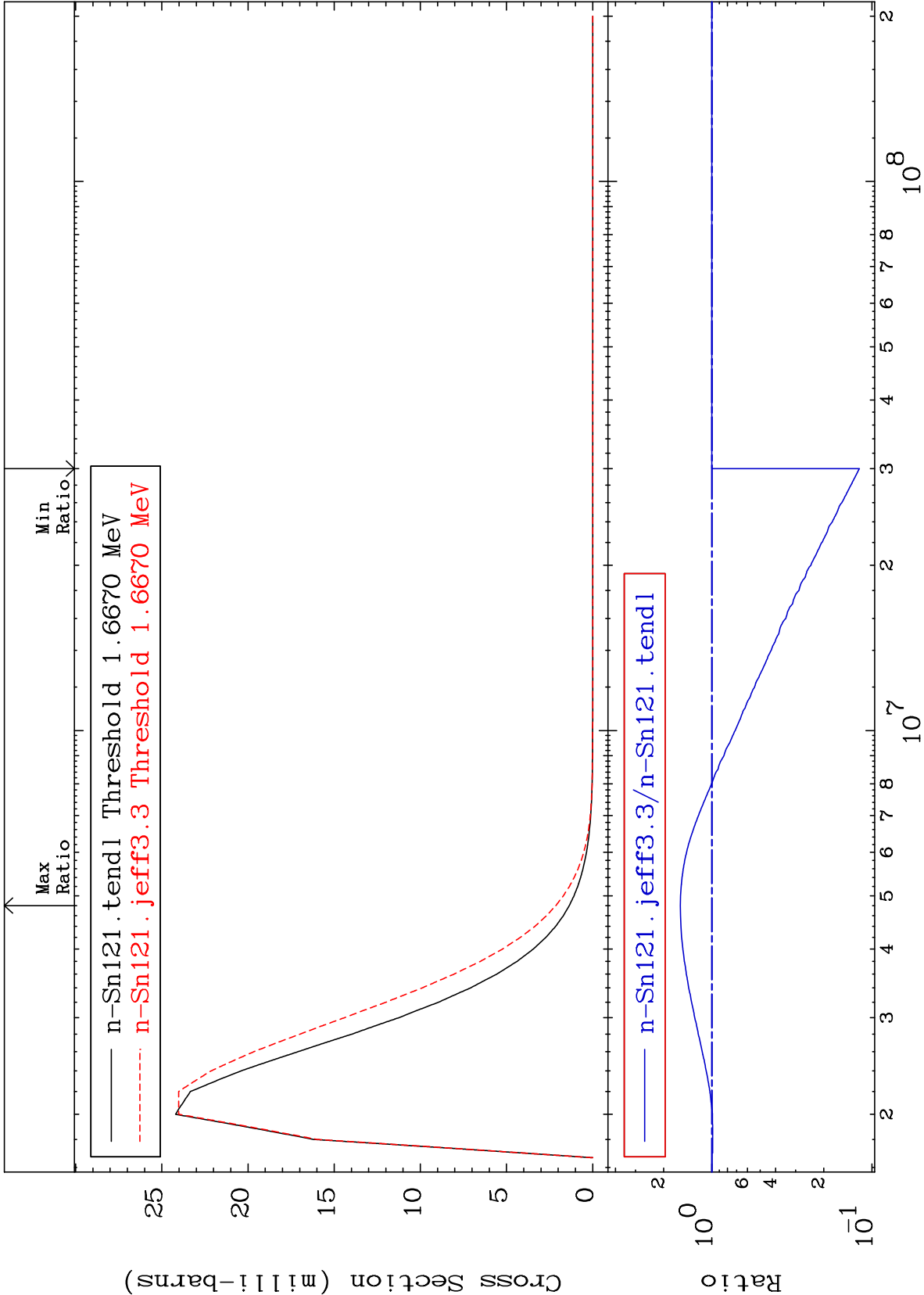




MAT 5052

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

50-Sn-121
-88.02 To 57.41 %



40

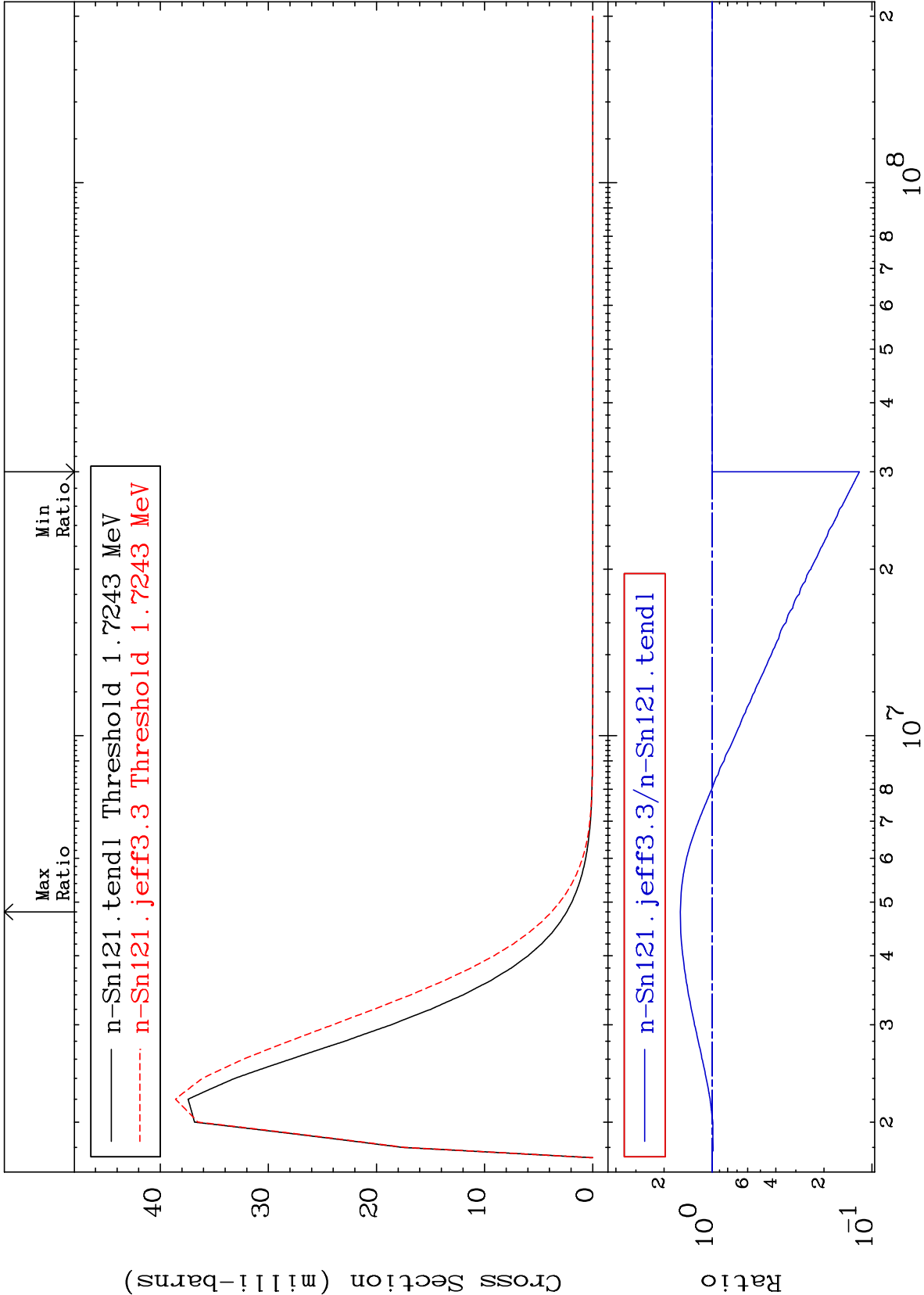
Incident Energy (eV)

50-Sn-121

MAT 5052

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

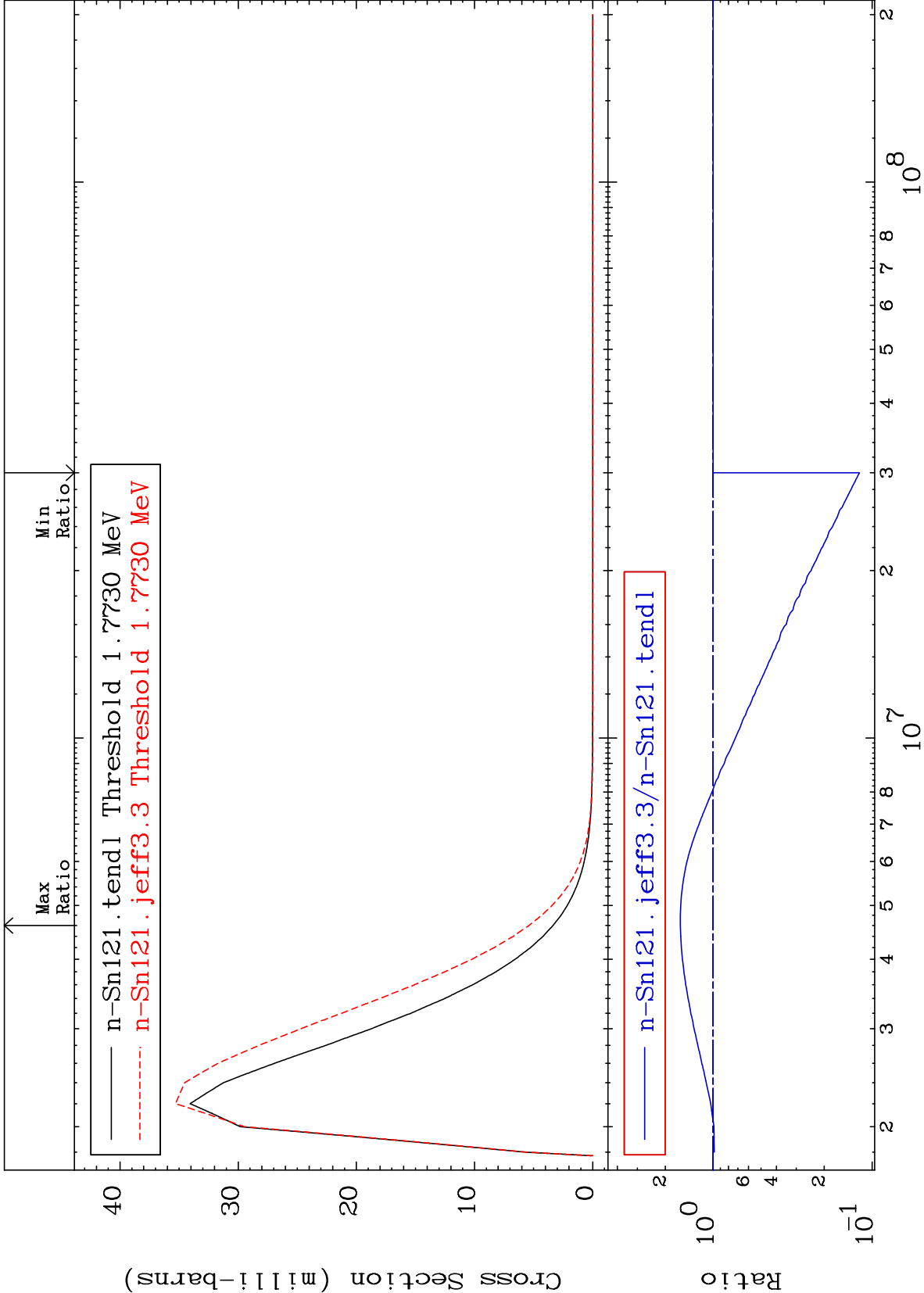
50-Sn-121
-88.01 To 58.16 %



MAT 5052

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

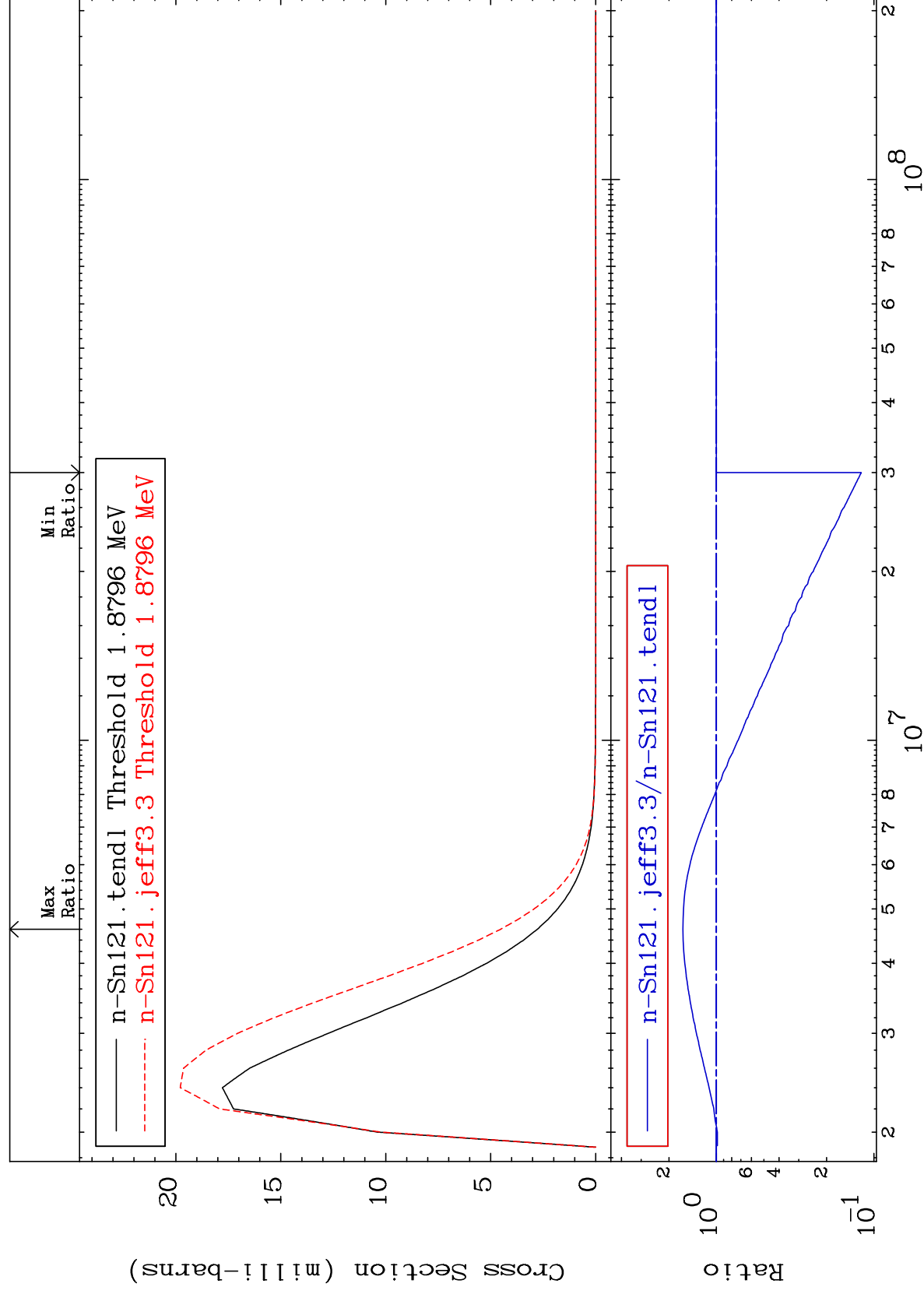
50-Sn-121
-87.98 To 60.77 %



MAT 5052

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

50-Sn-121
-87.96 To 63.02 %



43

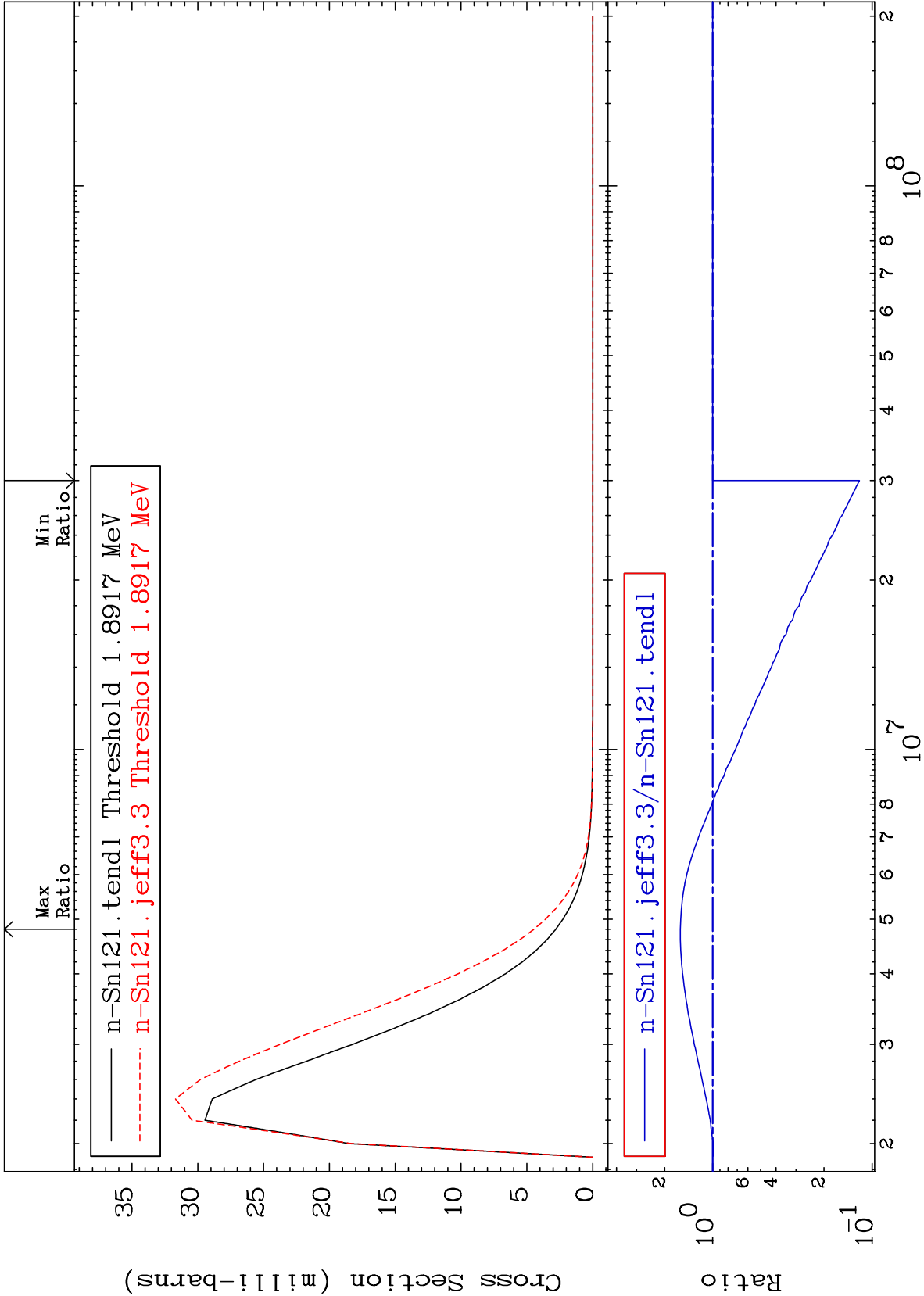
Incident Energy (eV)

50-Sn-121

MAT 5052

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

50-Sn-121
-88.00 To 59.23 %



44

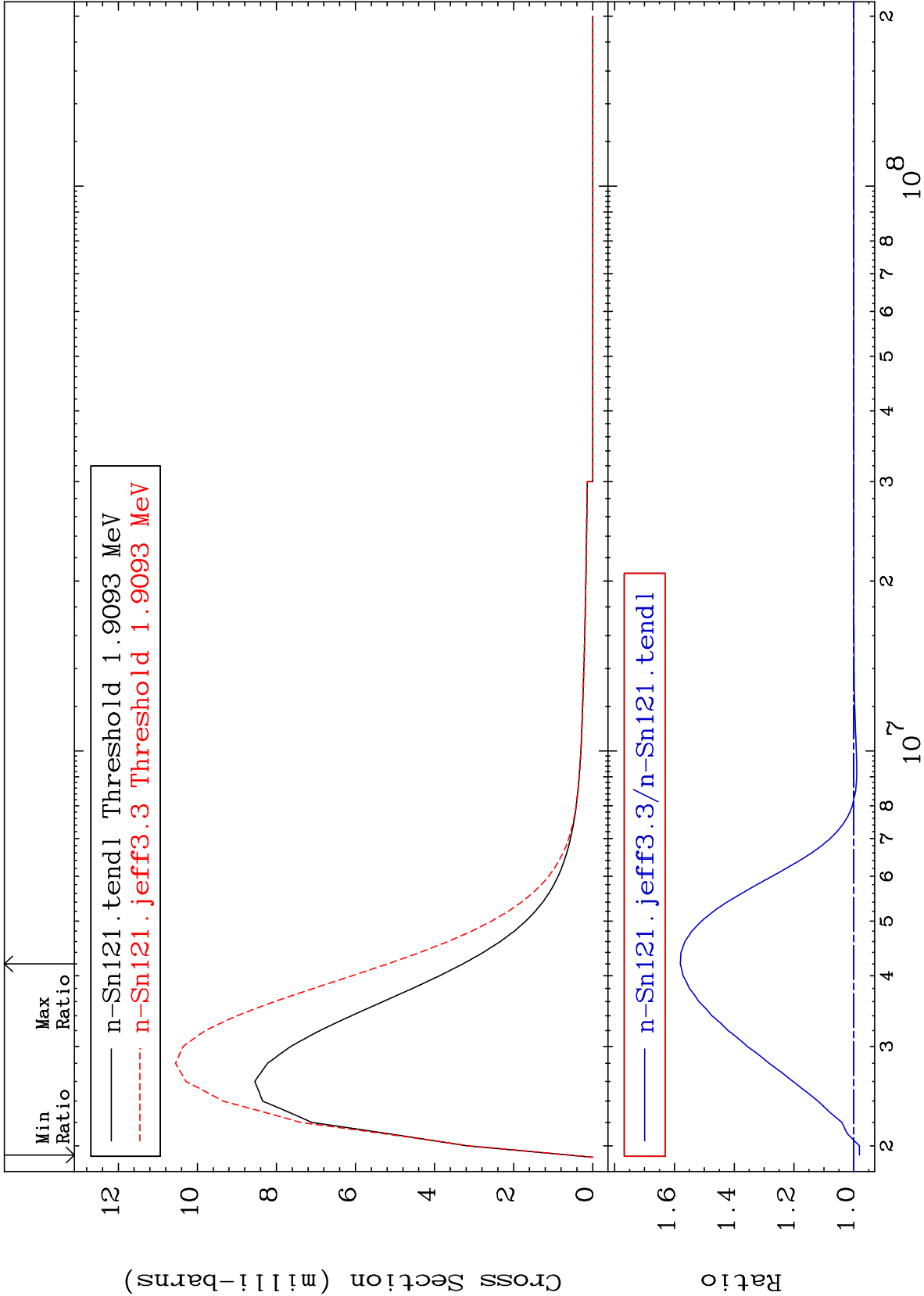
Incident Energy (eV)

50-Sn-121

MAT 5052

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

50-Sn-121
-1.859 To 58.01 %



45

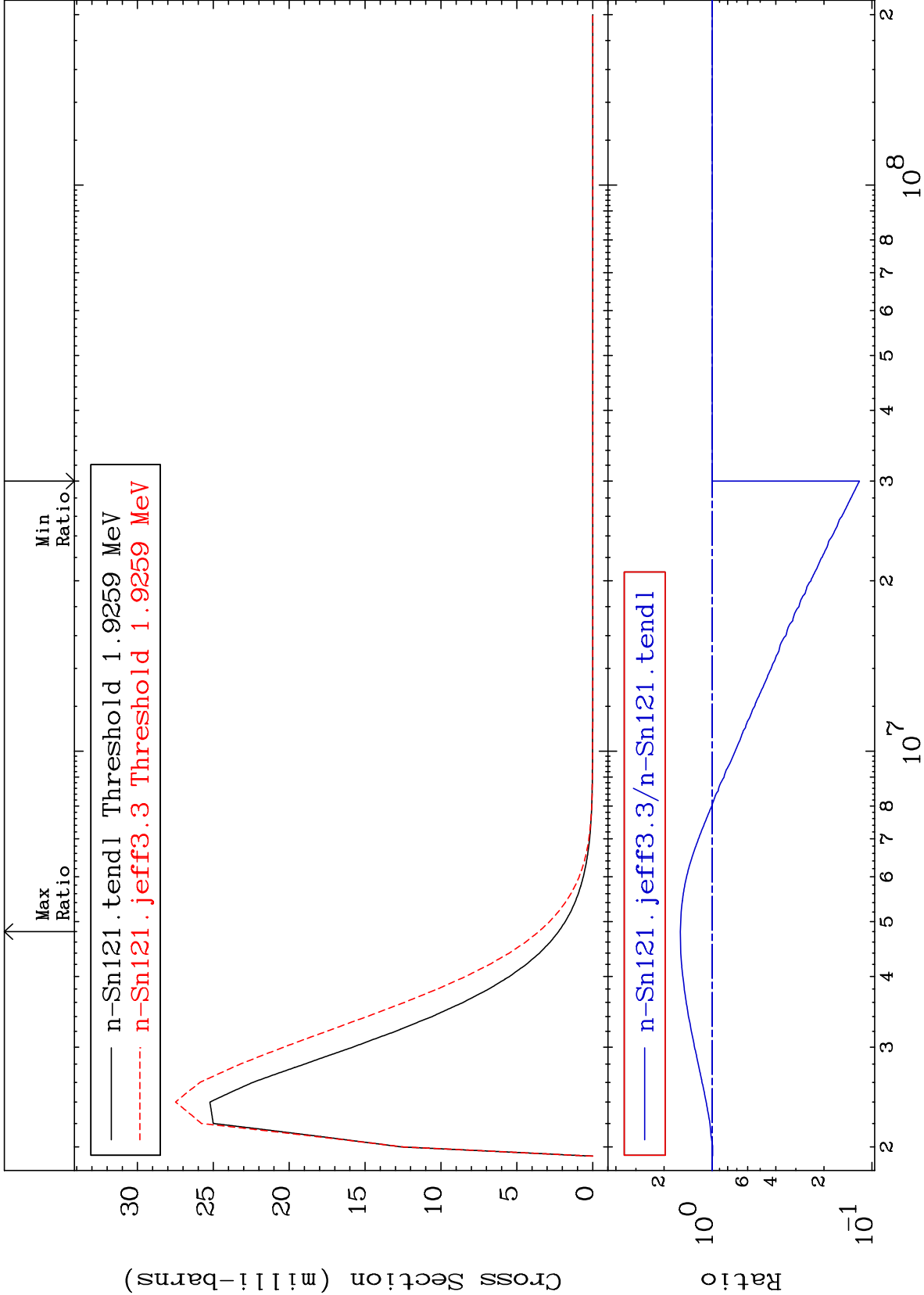
Incident Energy (eV)

50-Sn-121

MAT 5052

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

50-Sn-121
-88.01 To 57.99 %



46

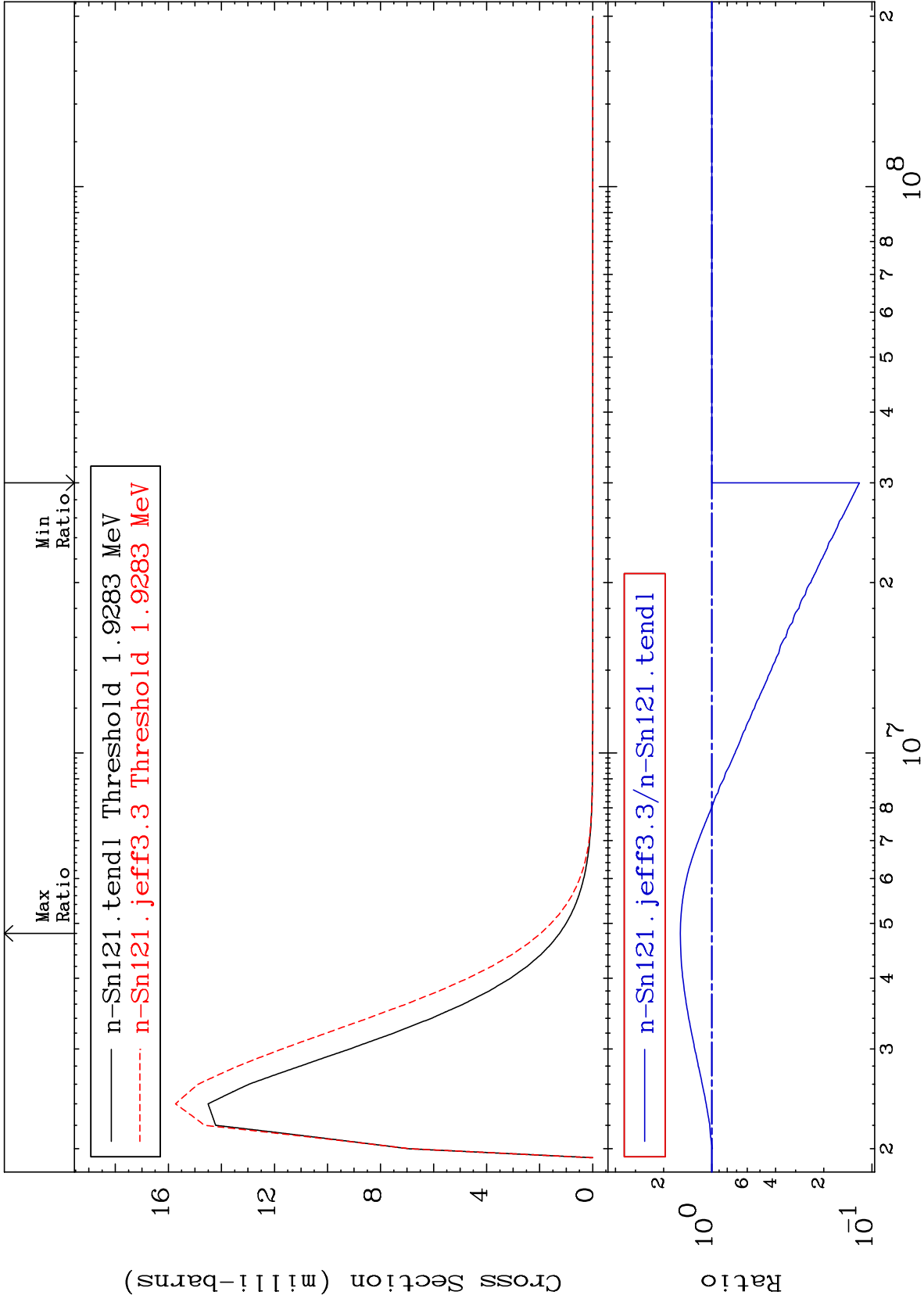
Incident Energy (eV)

50-Sn-121

MAT 5052

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

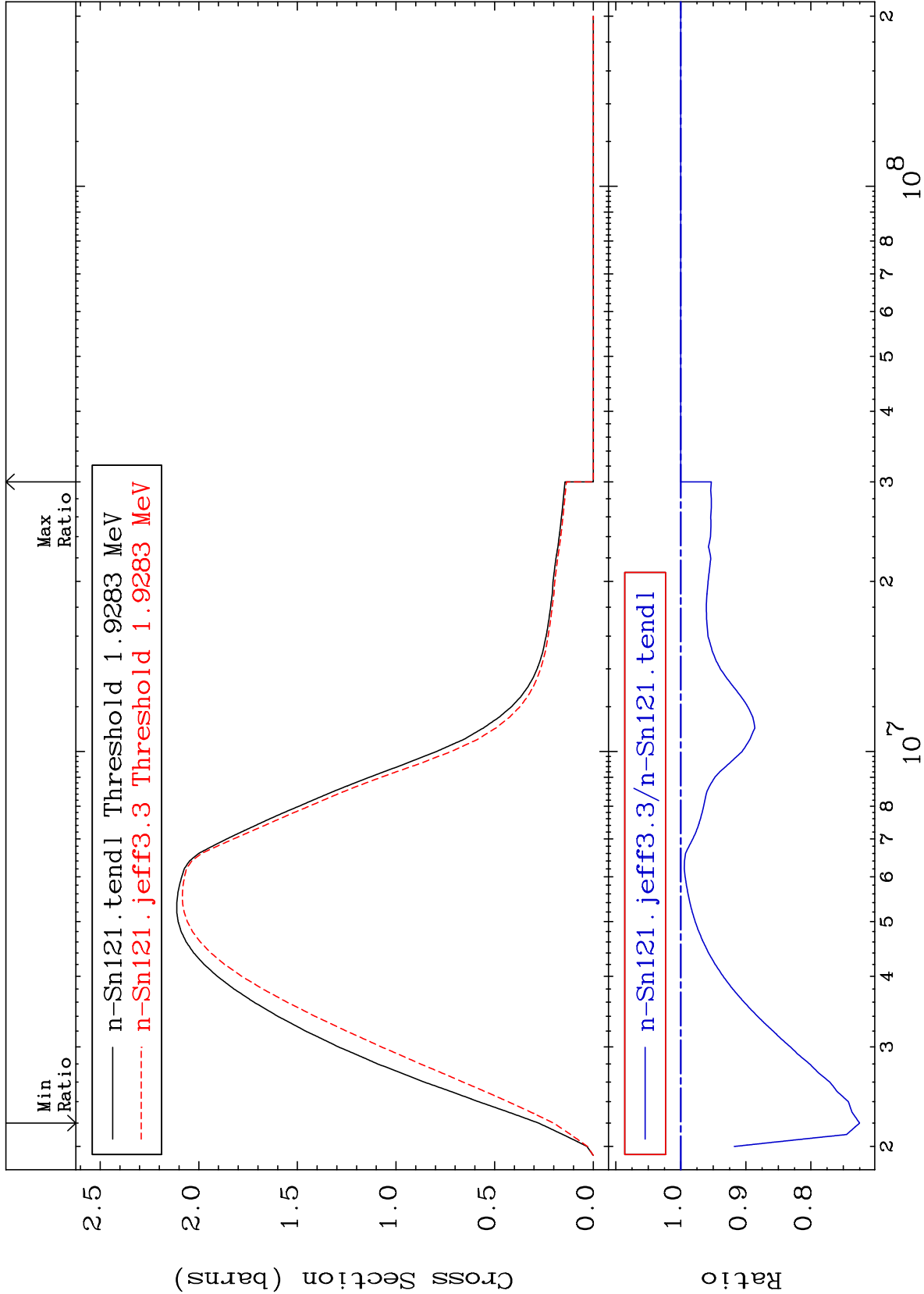
50-Sn-121
-88.02 To 57.16 %



MAT 5052

(n,n') Continuum
Cross Section

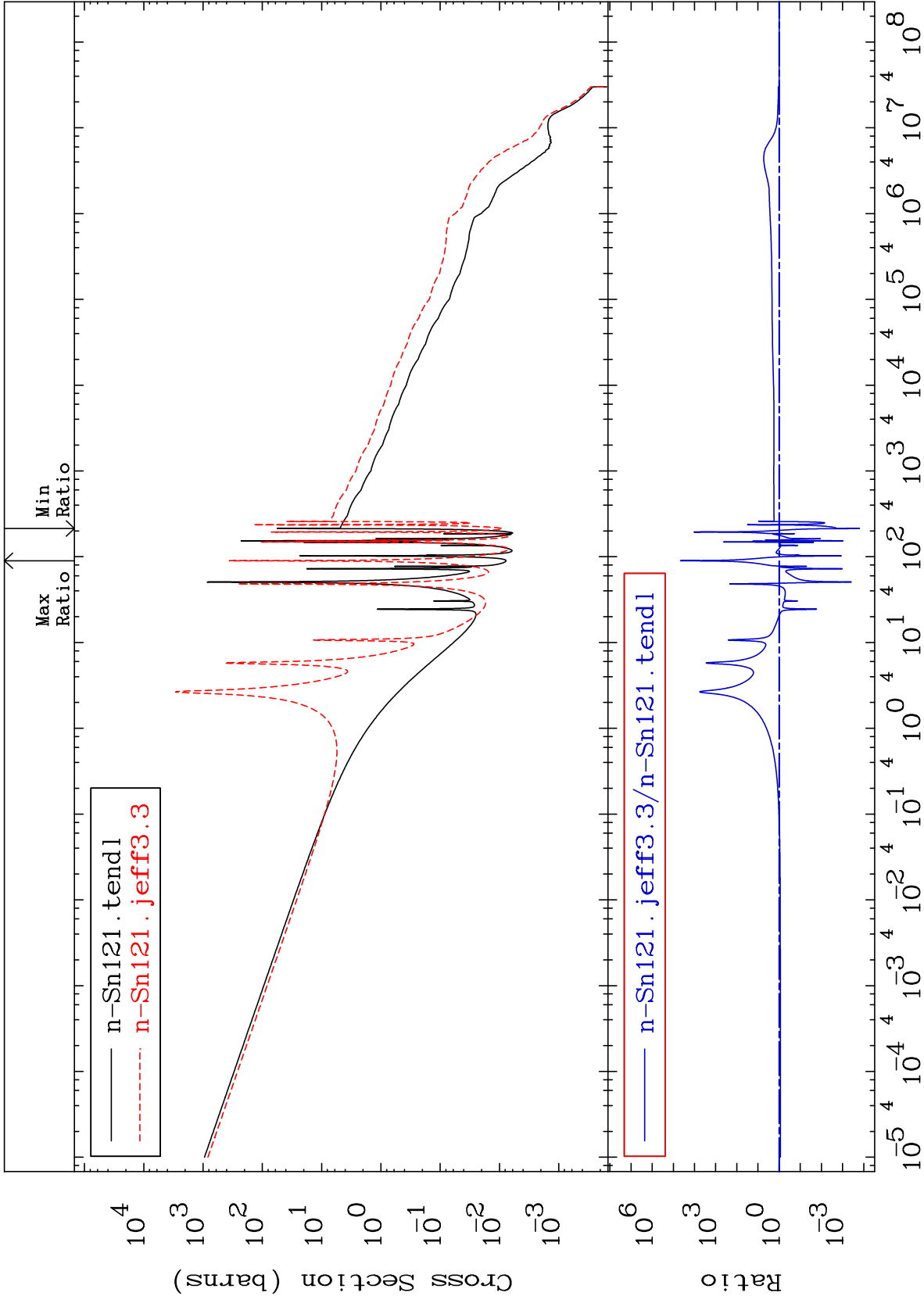
50-Sn-121
-27.48 To 0.000 %



48

Incident Energy (eV)

50-Sn-121

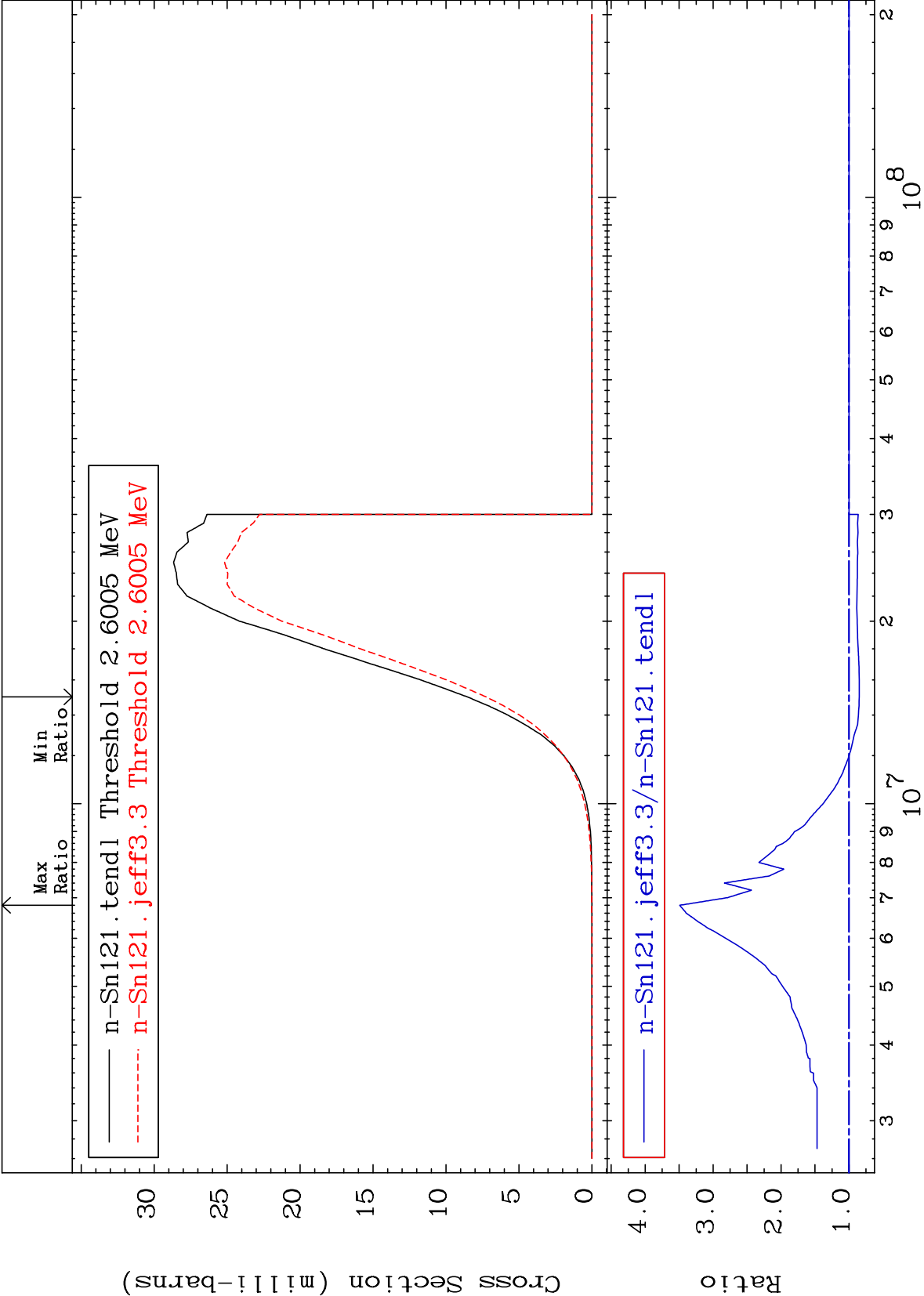


MAT 5052

50-Sn-121

(n,p)
Cross Section

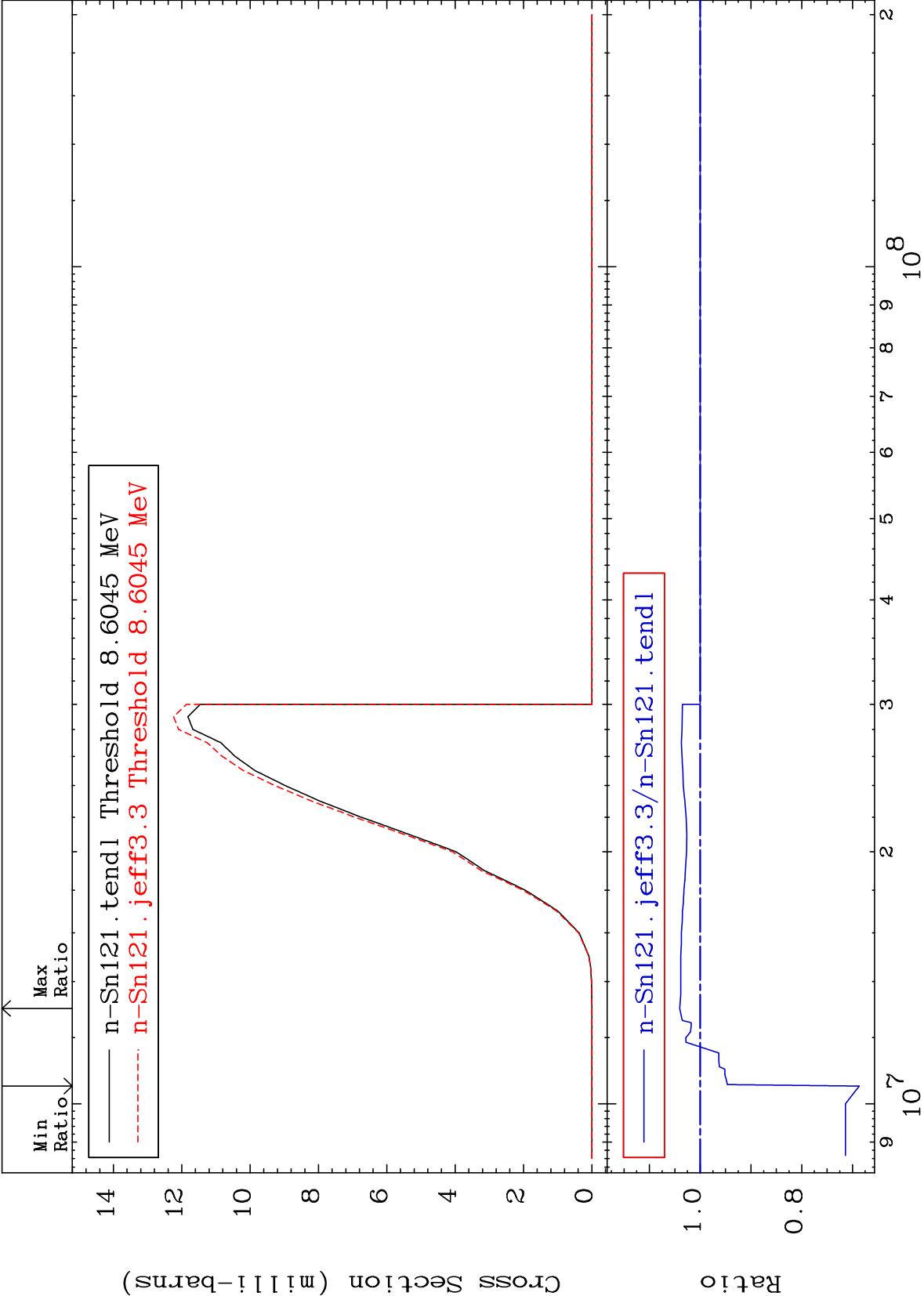
-15.11 To 249.1 %



MAT 5052

(n,d)
Cross Section

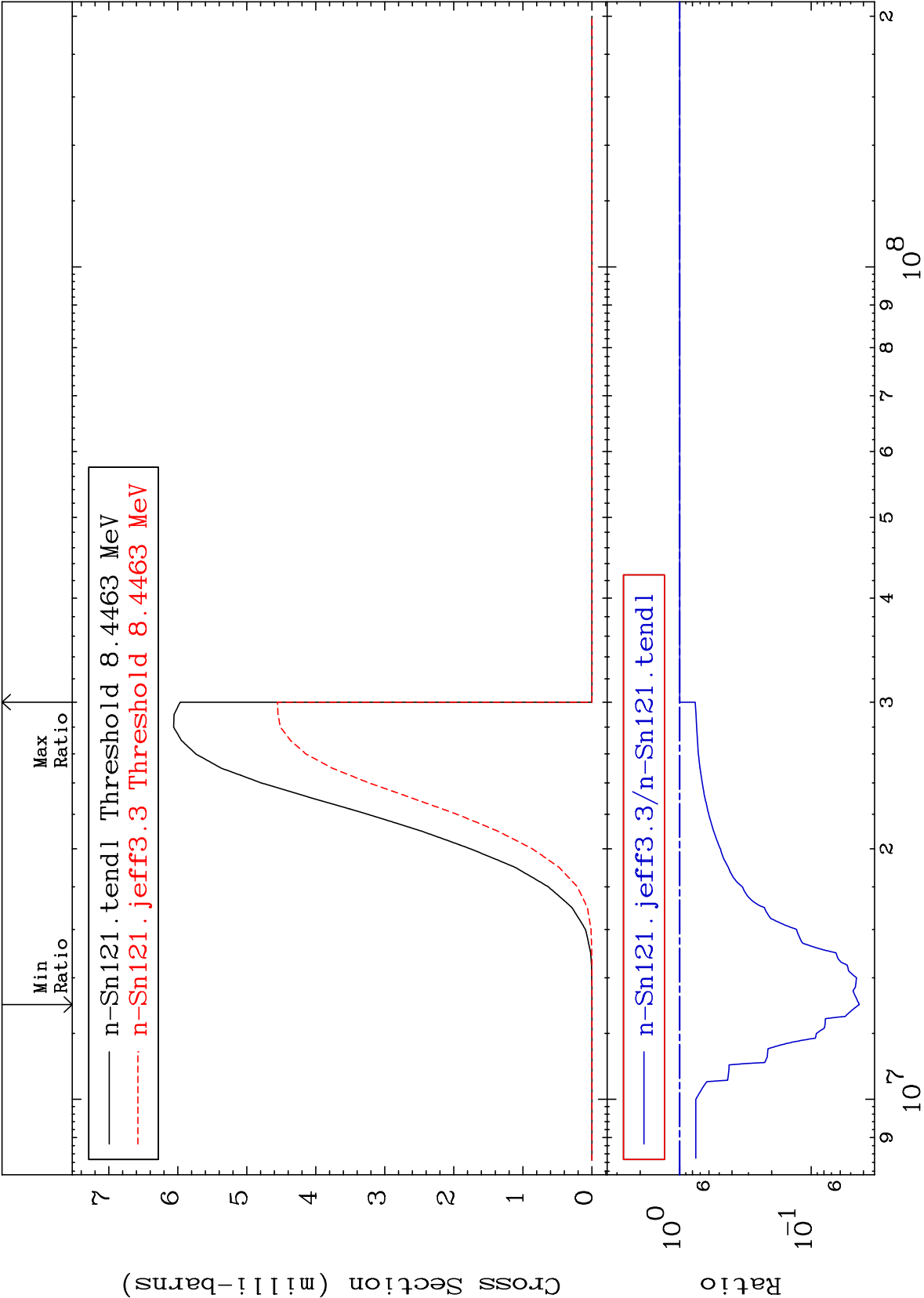
50-Sn-121
-31.34 To 4.028 %

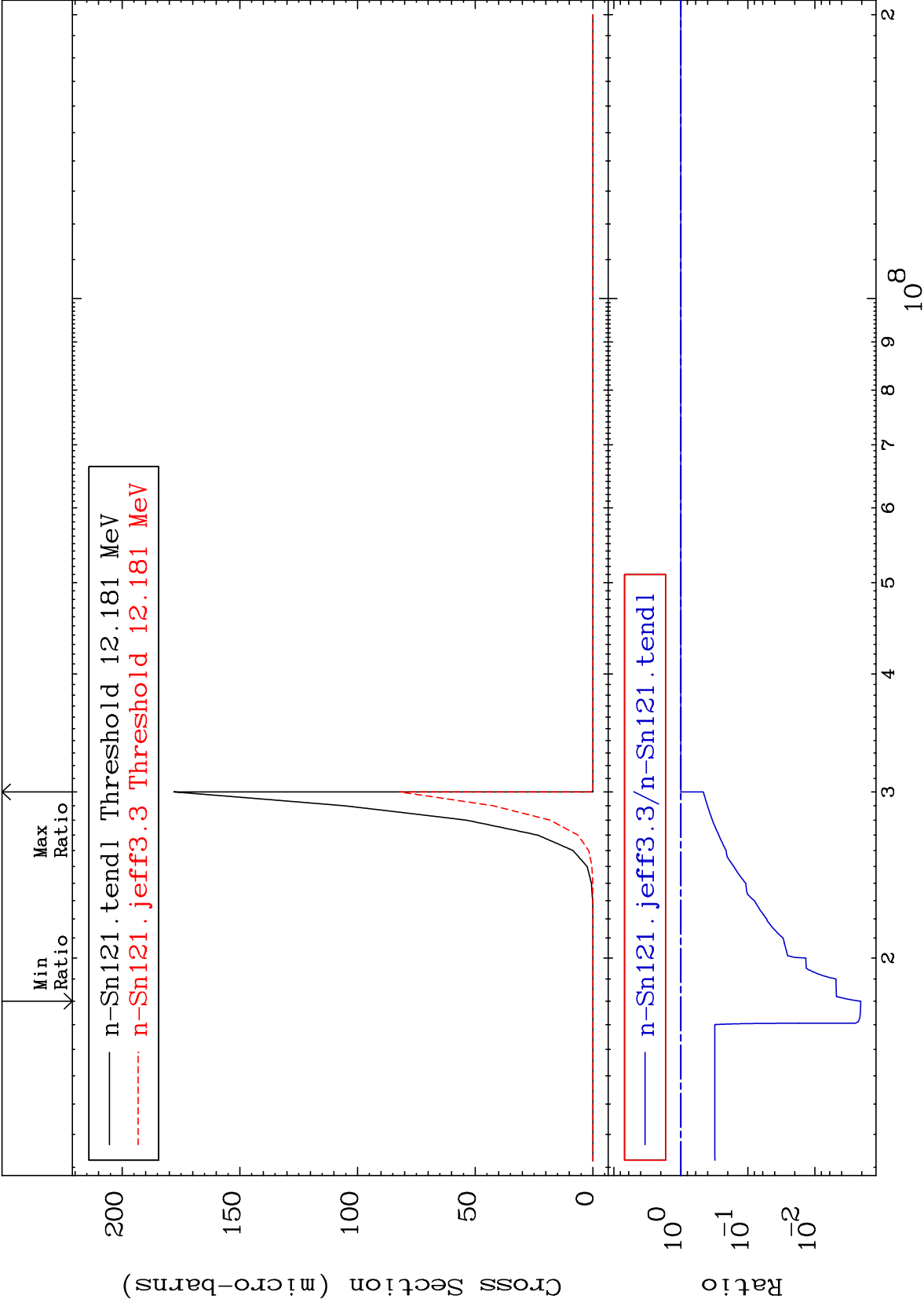


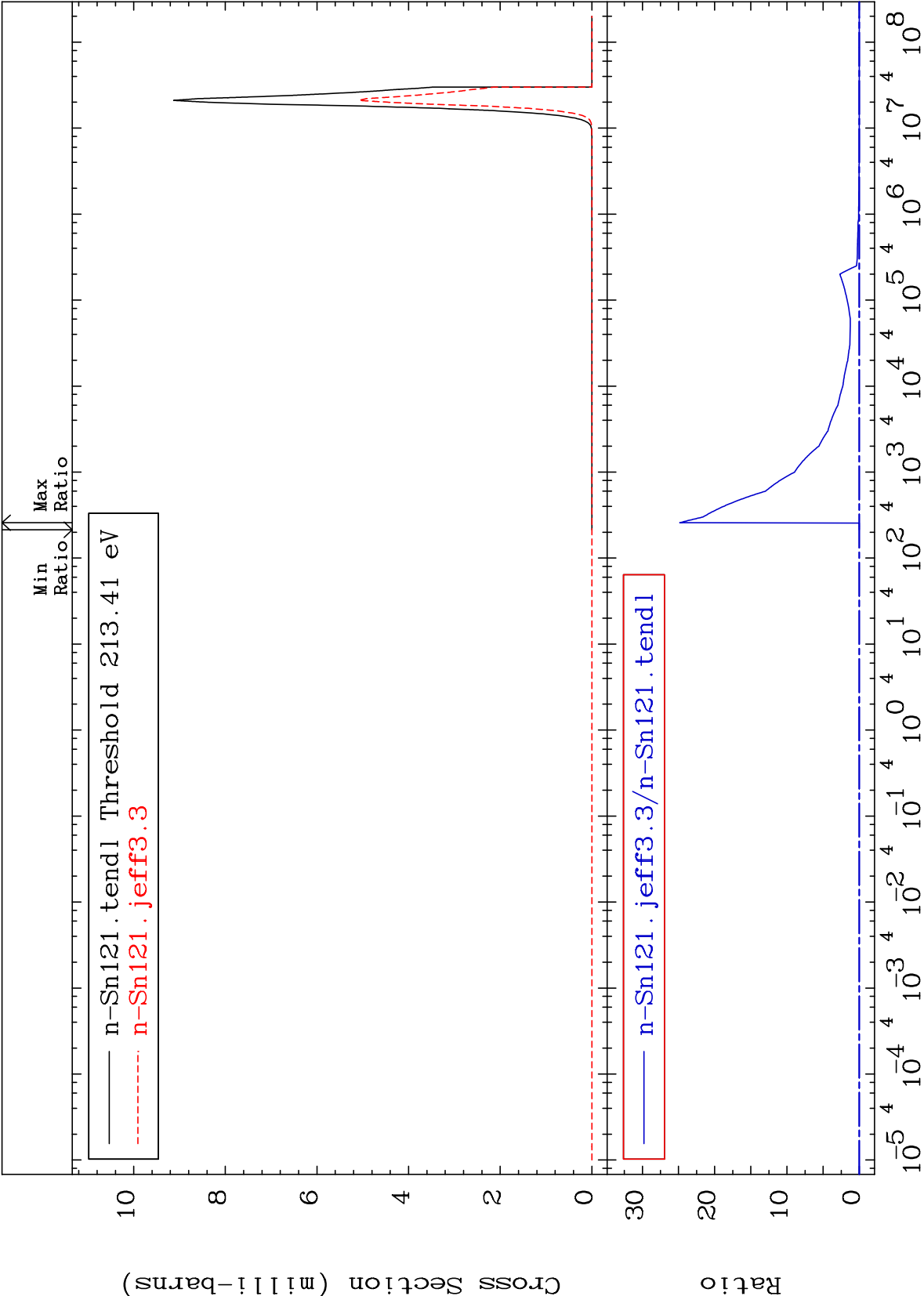
51

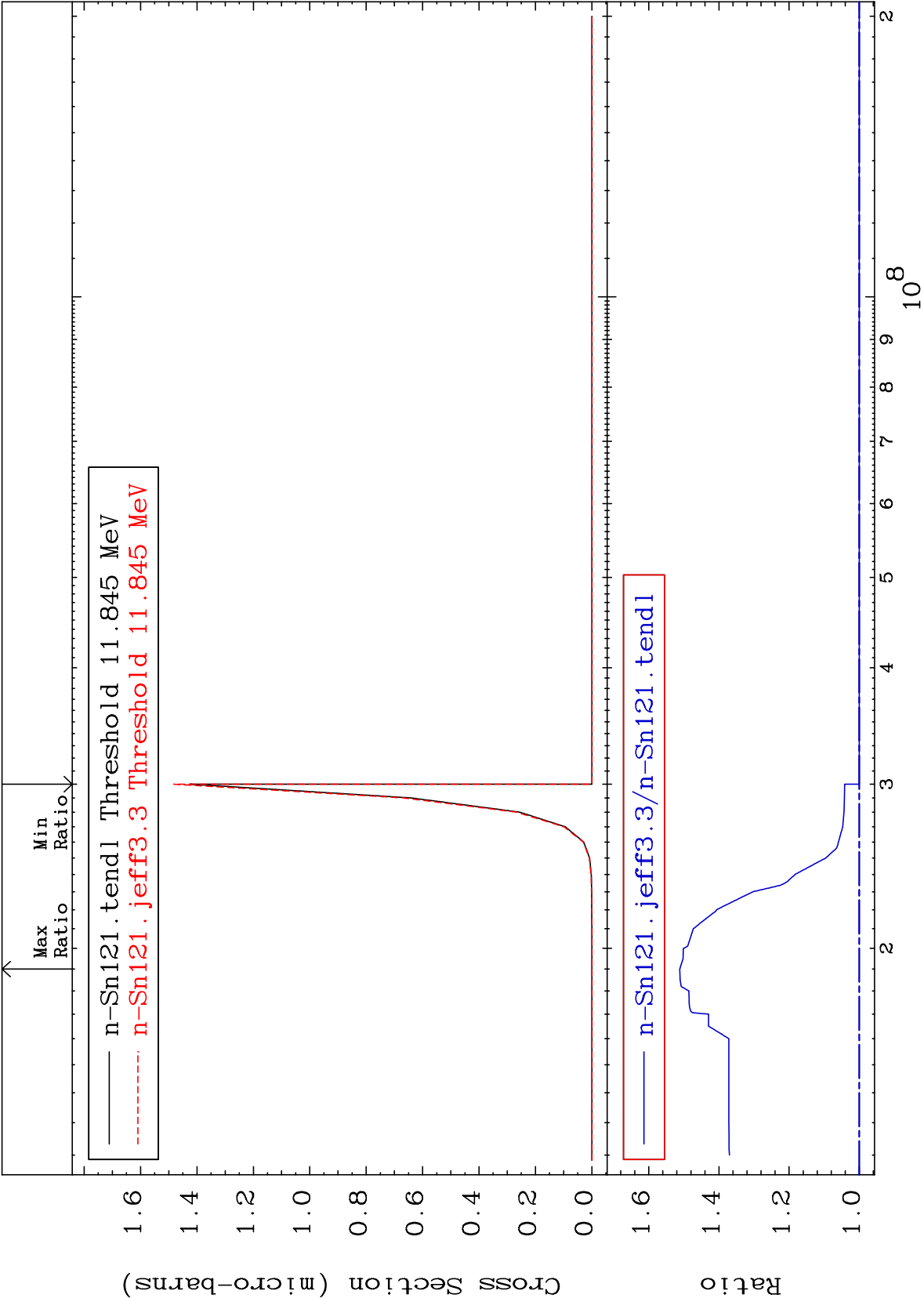
Incident Energy (eV)

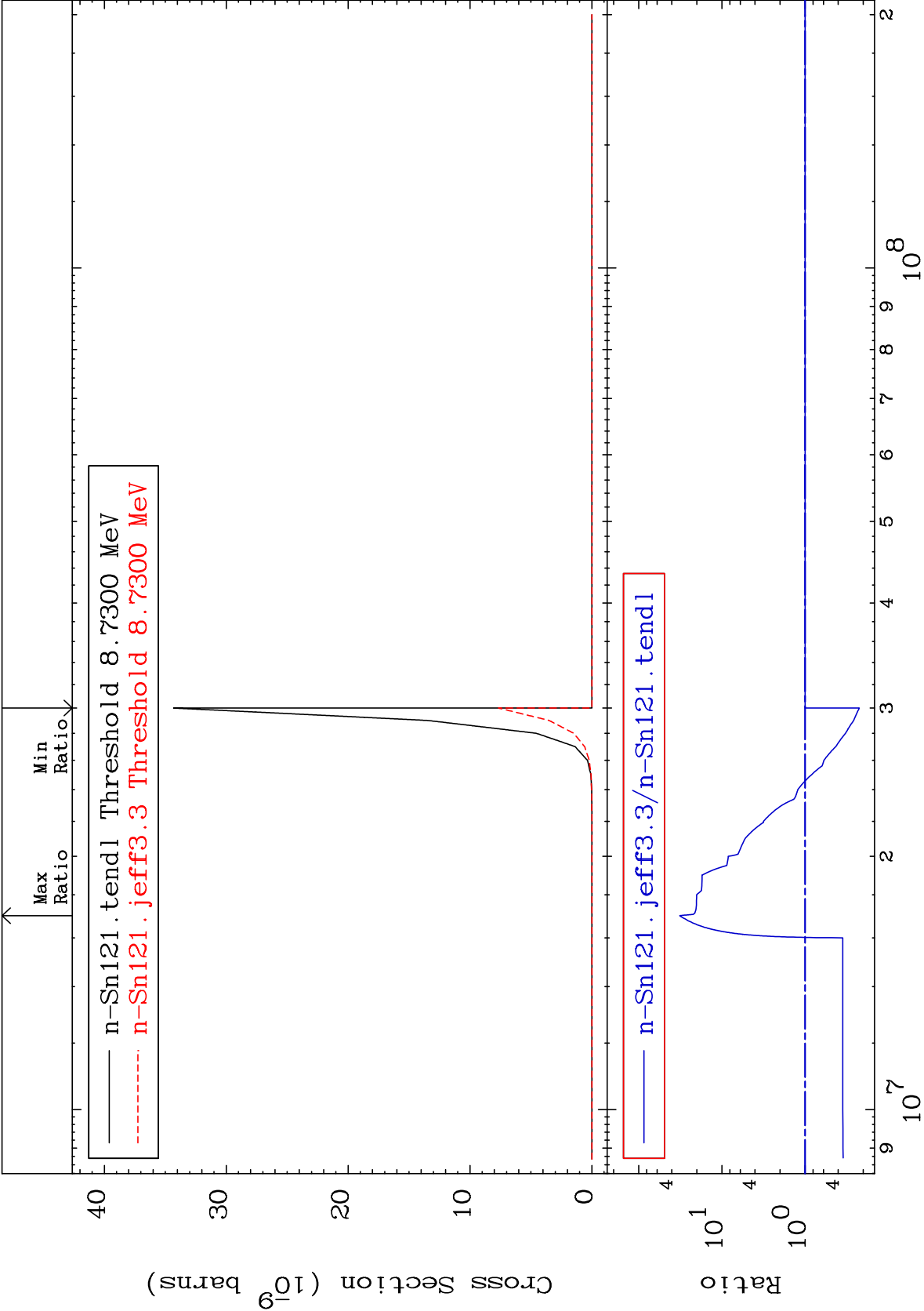
50-Sn-121

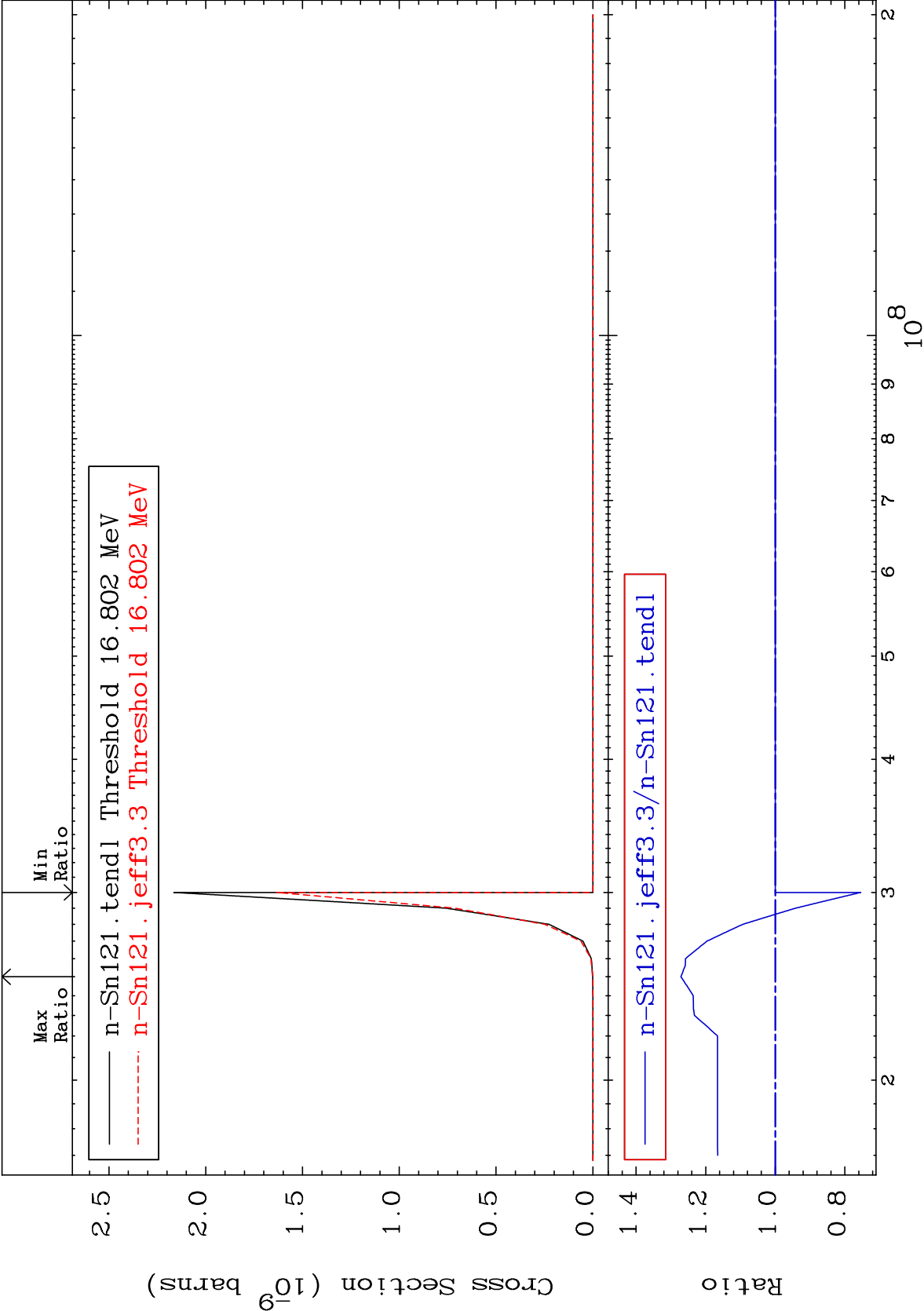


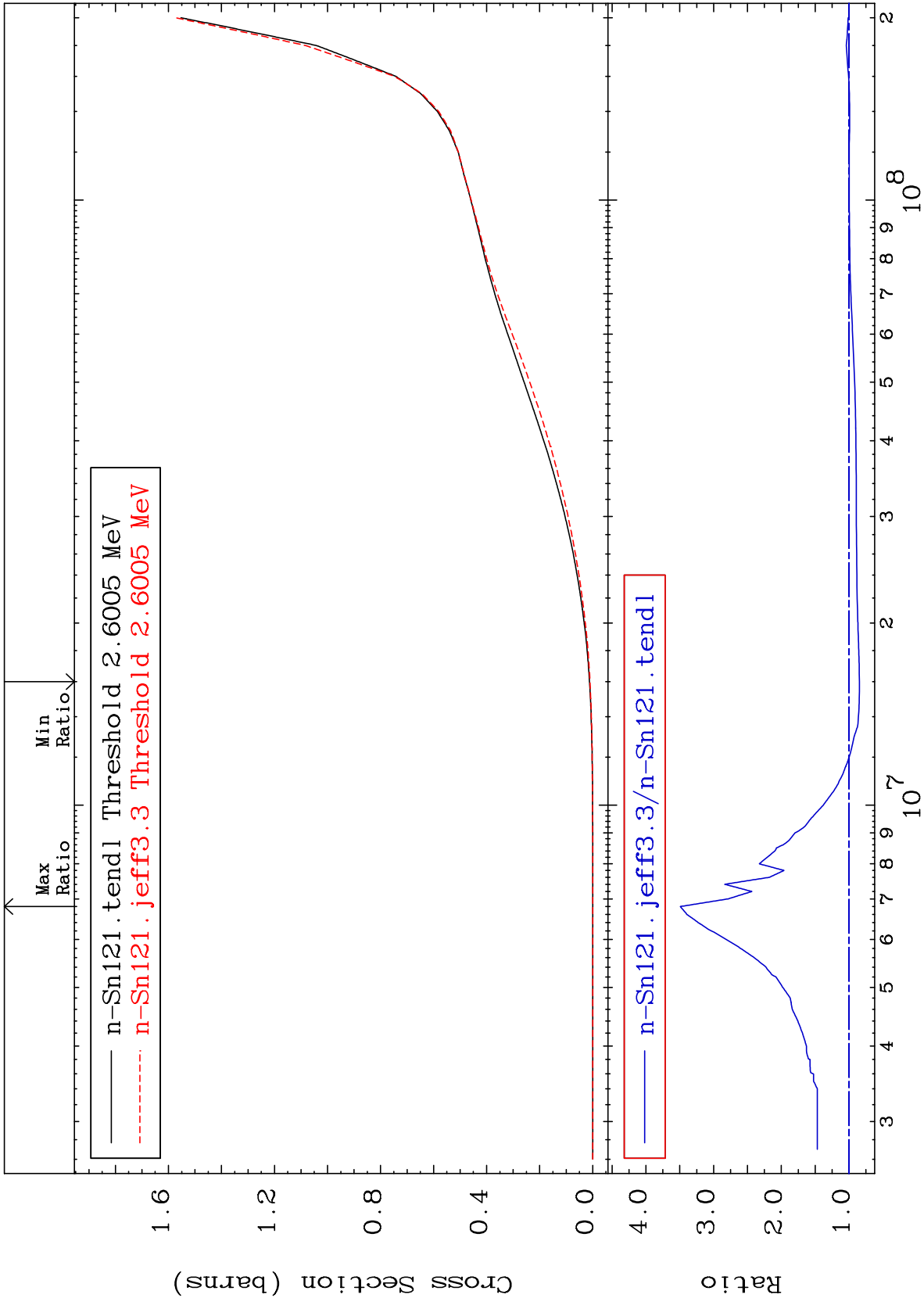


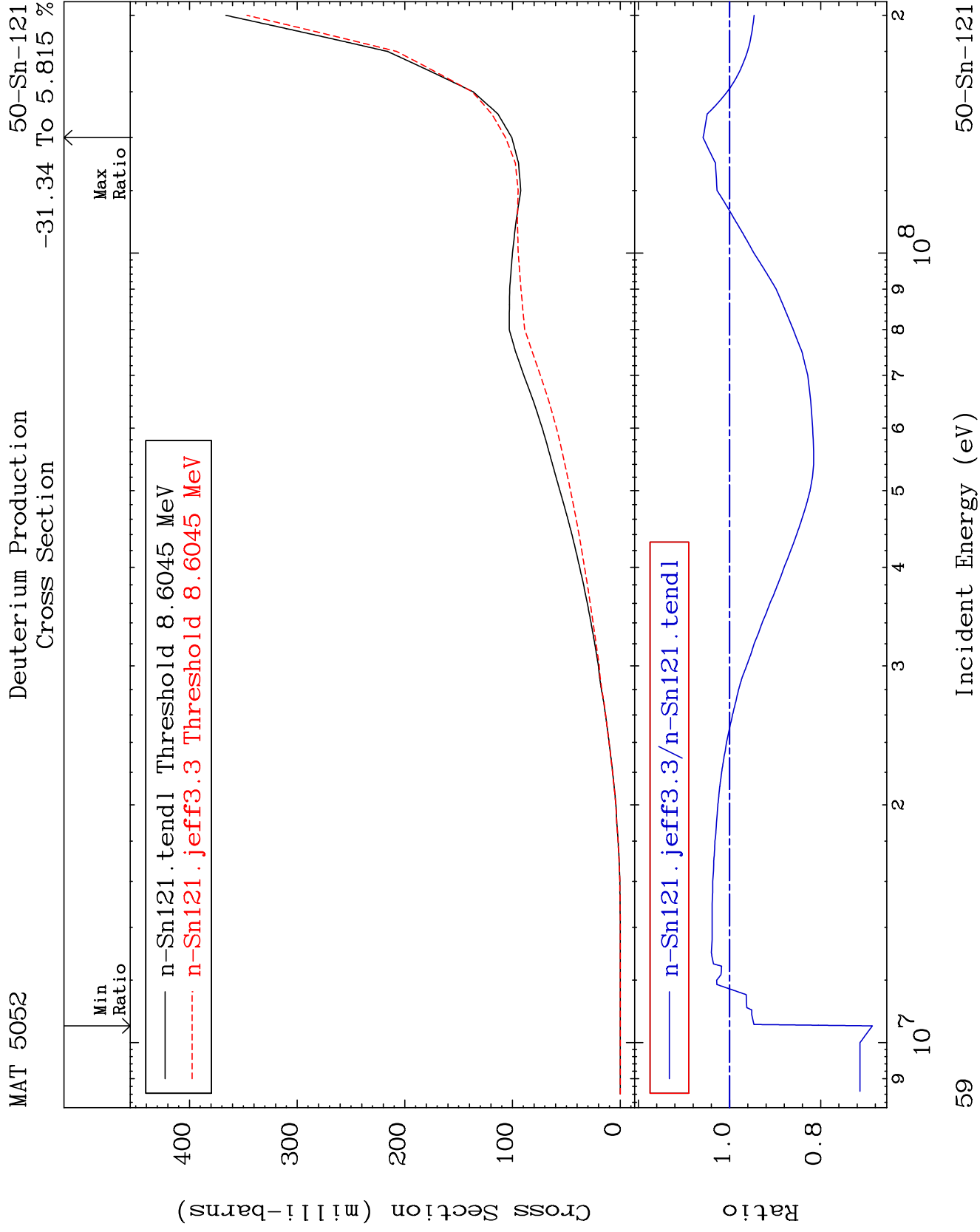








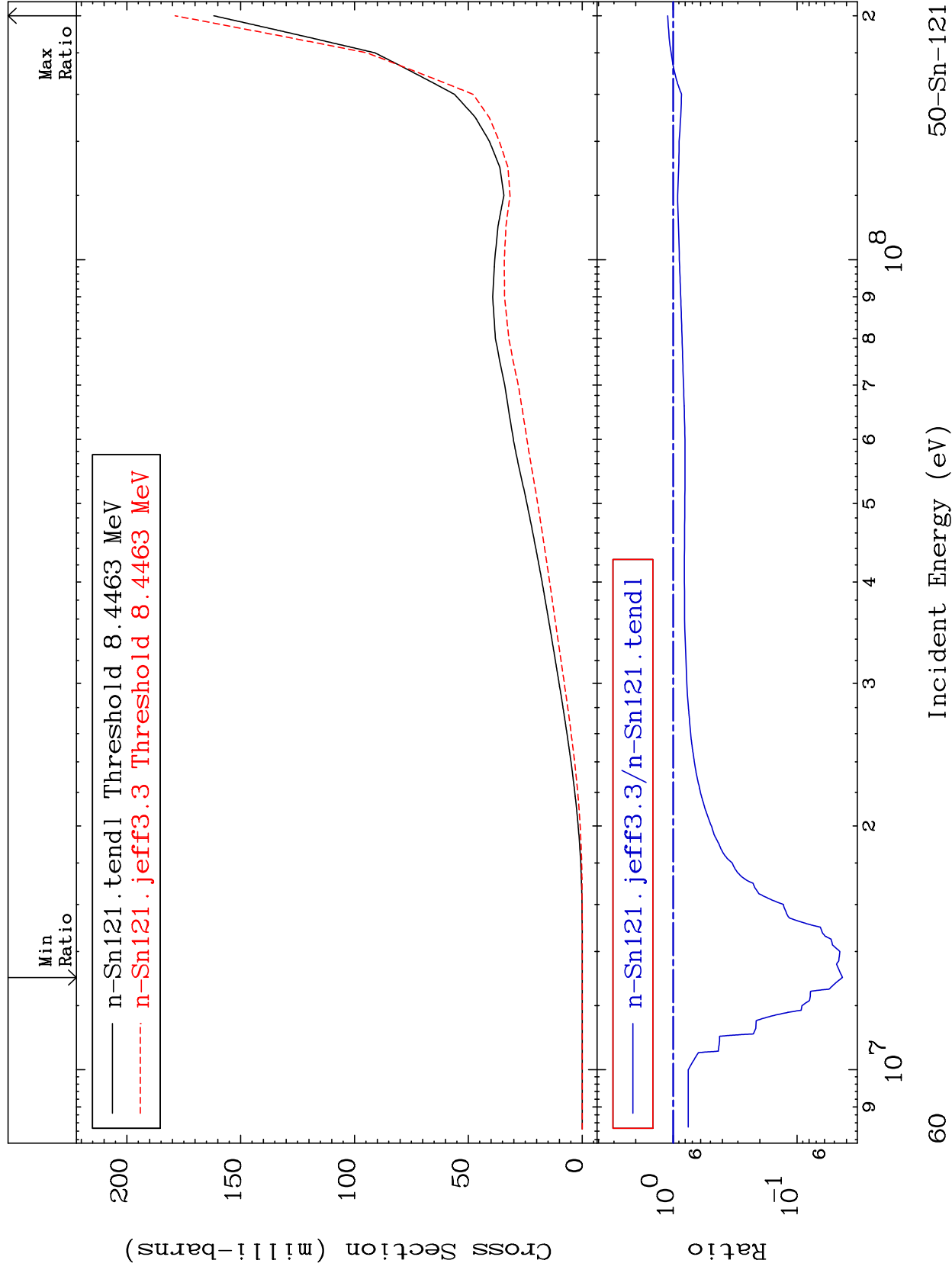


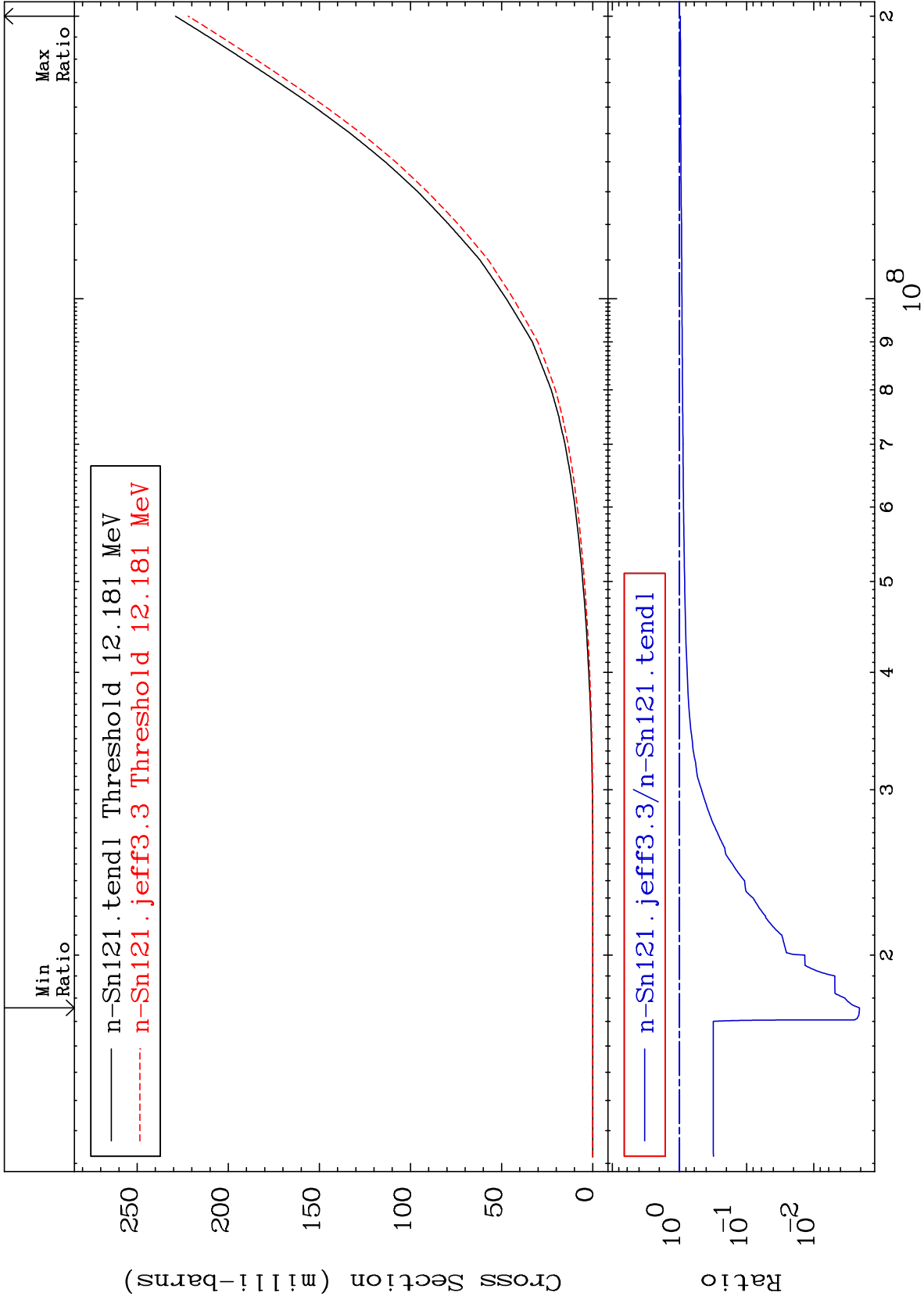


MAT 5052

Tritium Production
Cross Section

50-Sn-121
-95.69 To 10.54 %

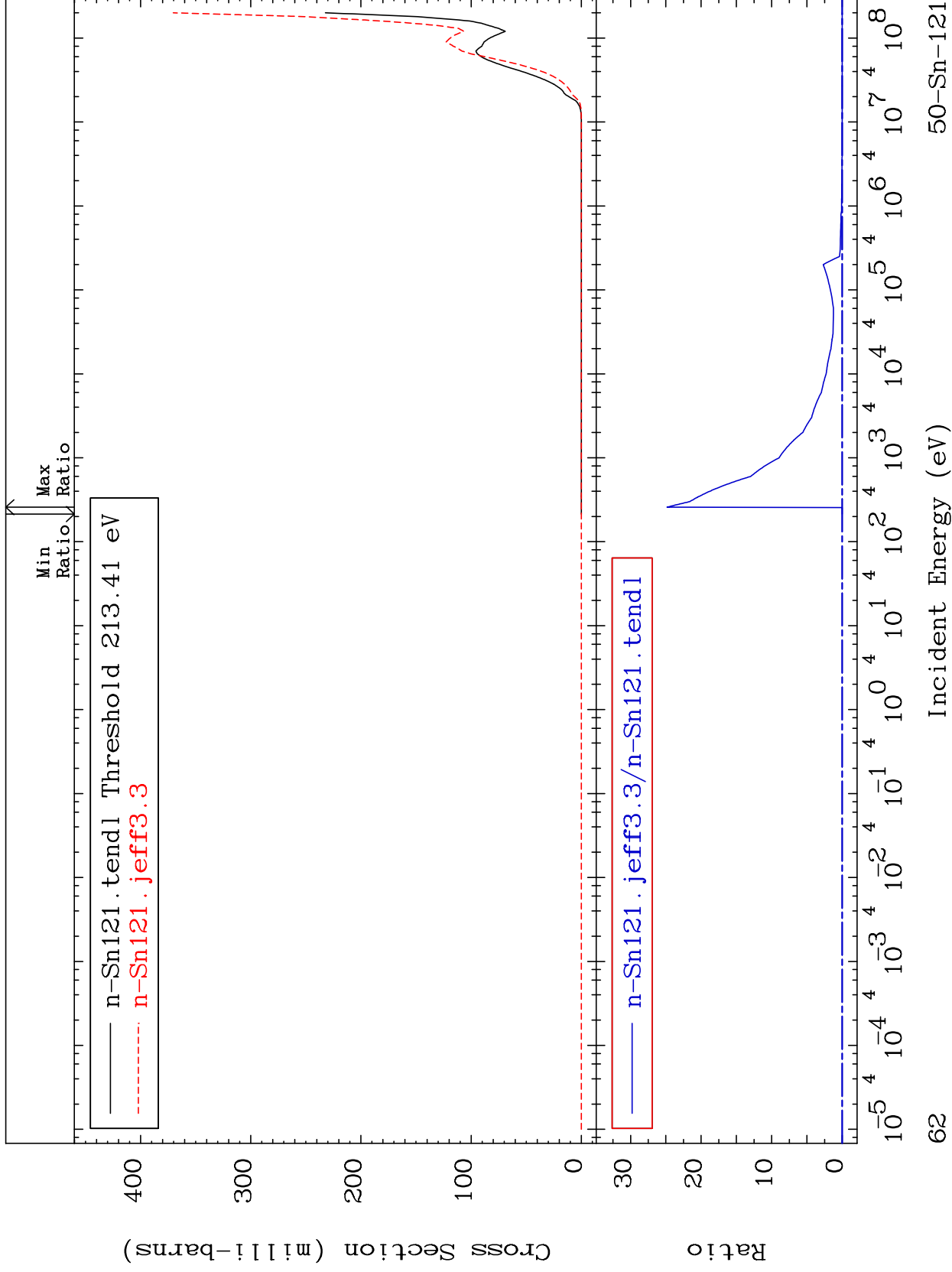


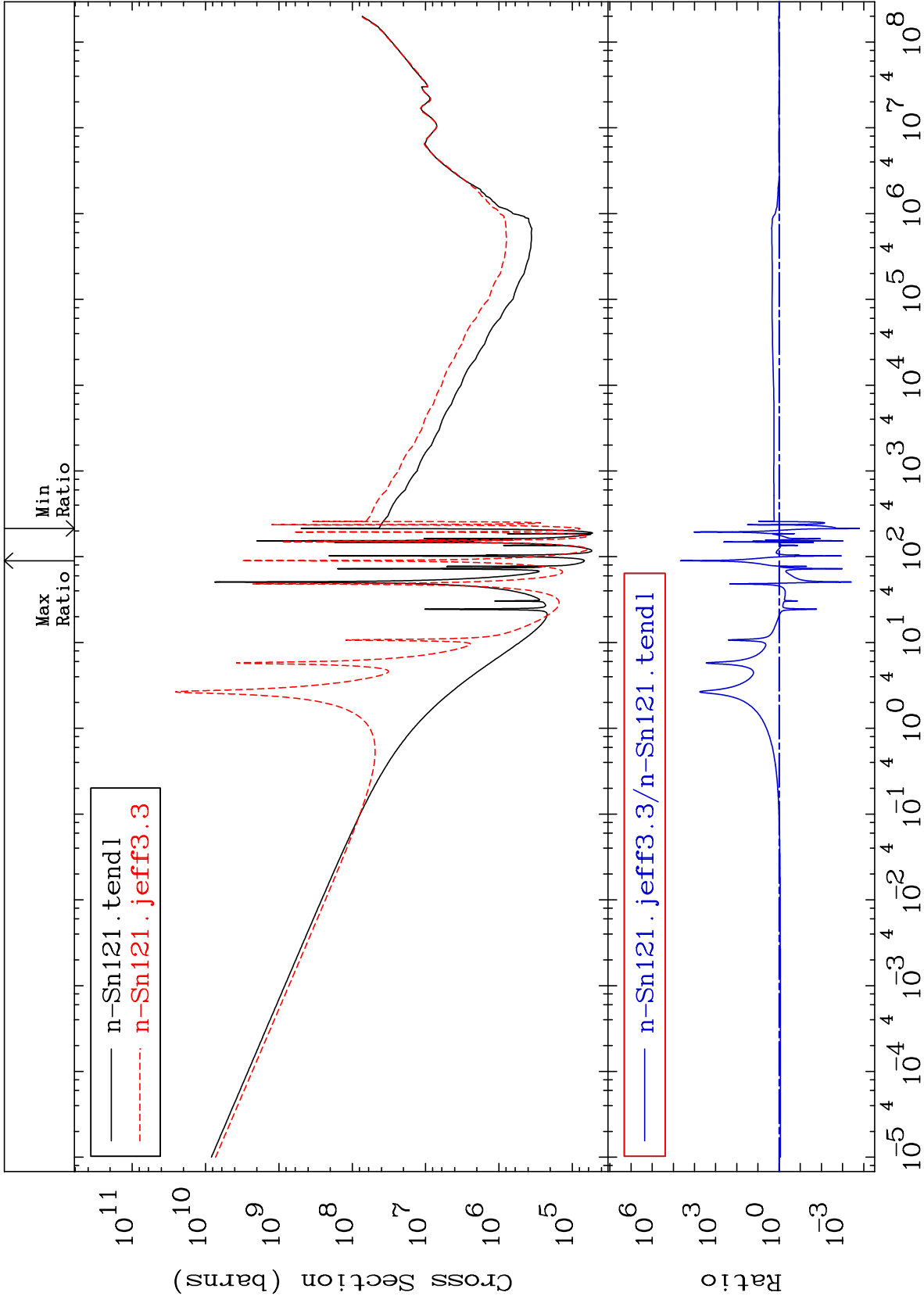


MAT 5052

He-4 Production
Cross Section

50-Sn-121
-100.0 To 9999. %

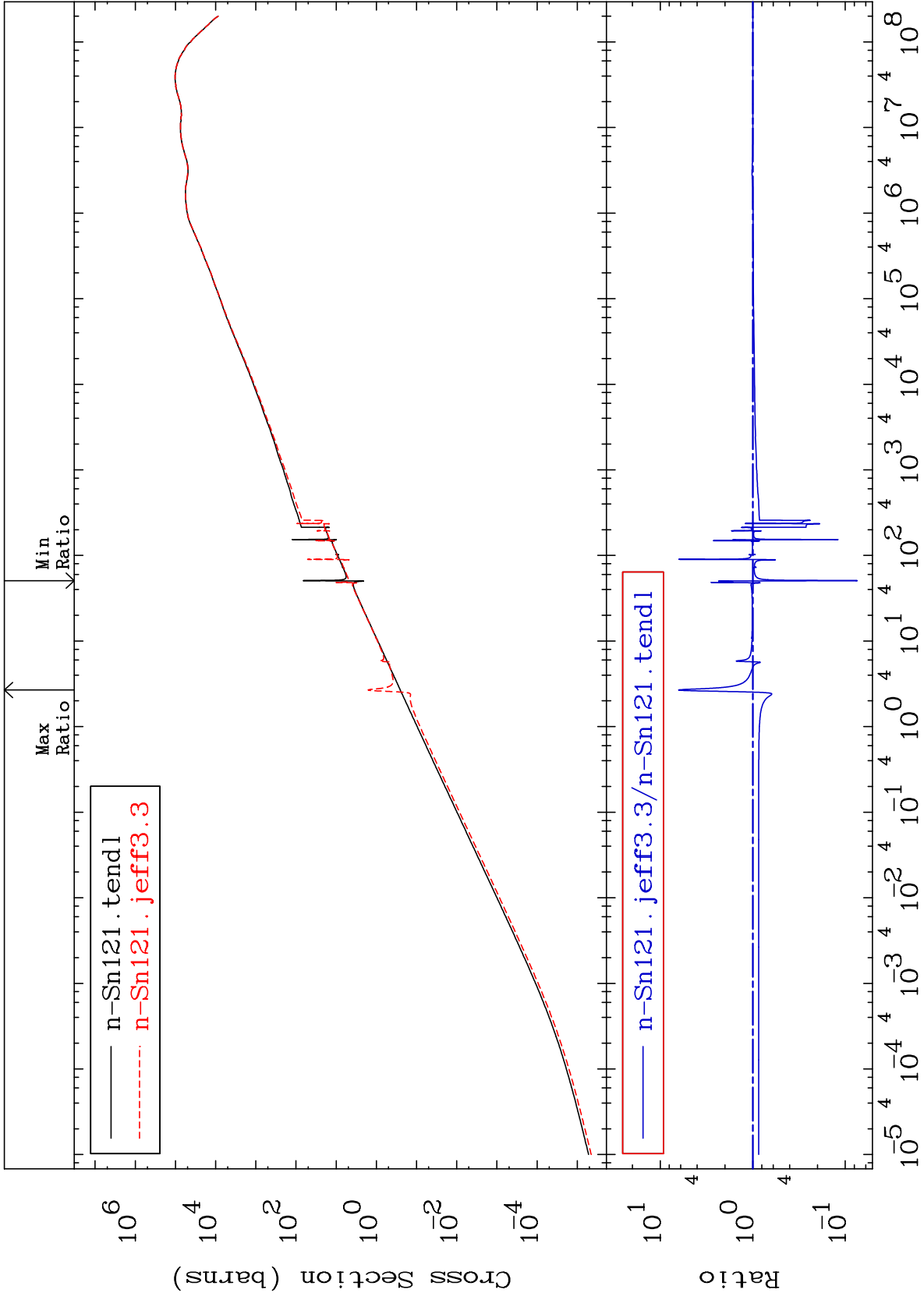




MAT 5052

Kerma elastic
Cross Section

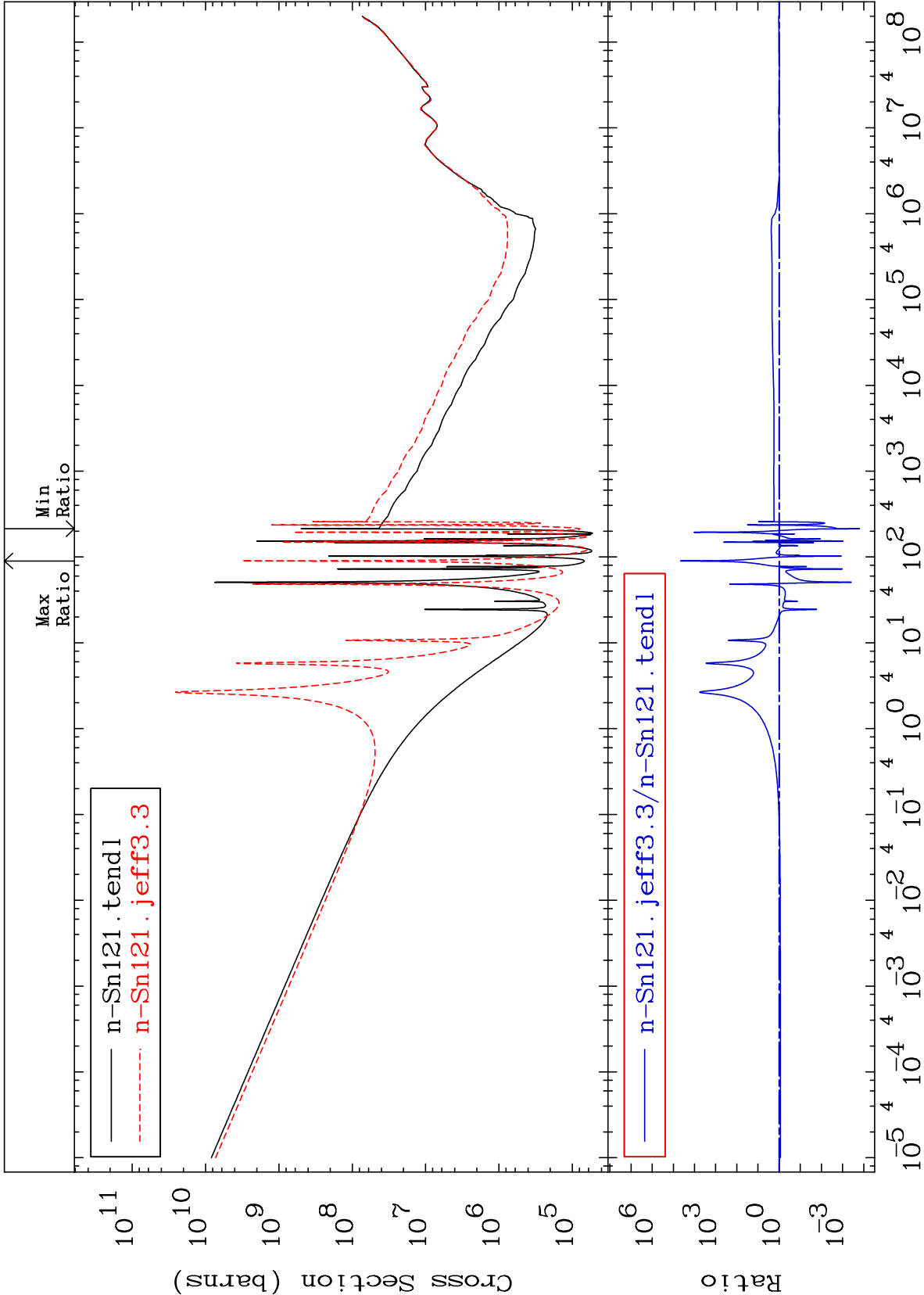
50-Sn-121
-92.58 To 532.6 %



64

Incident Energy (eV)

50-Sn-121



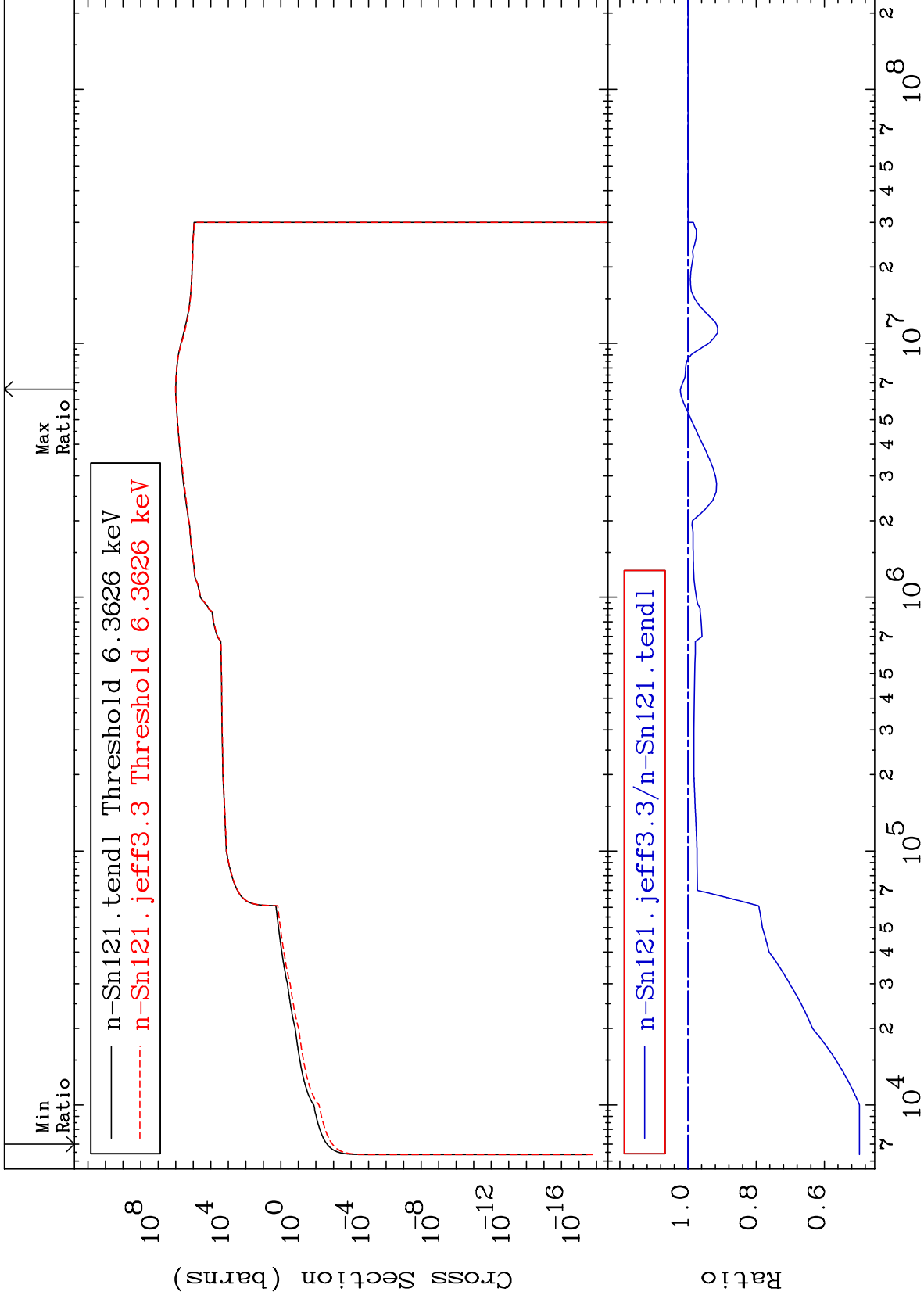
MAT 5052

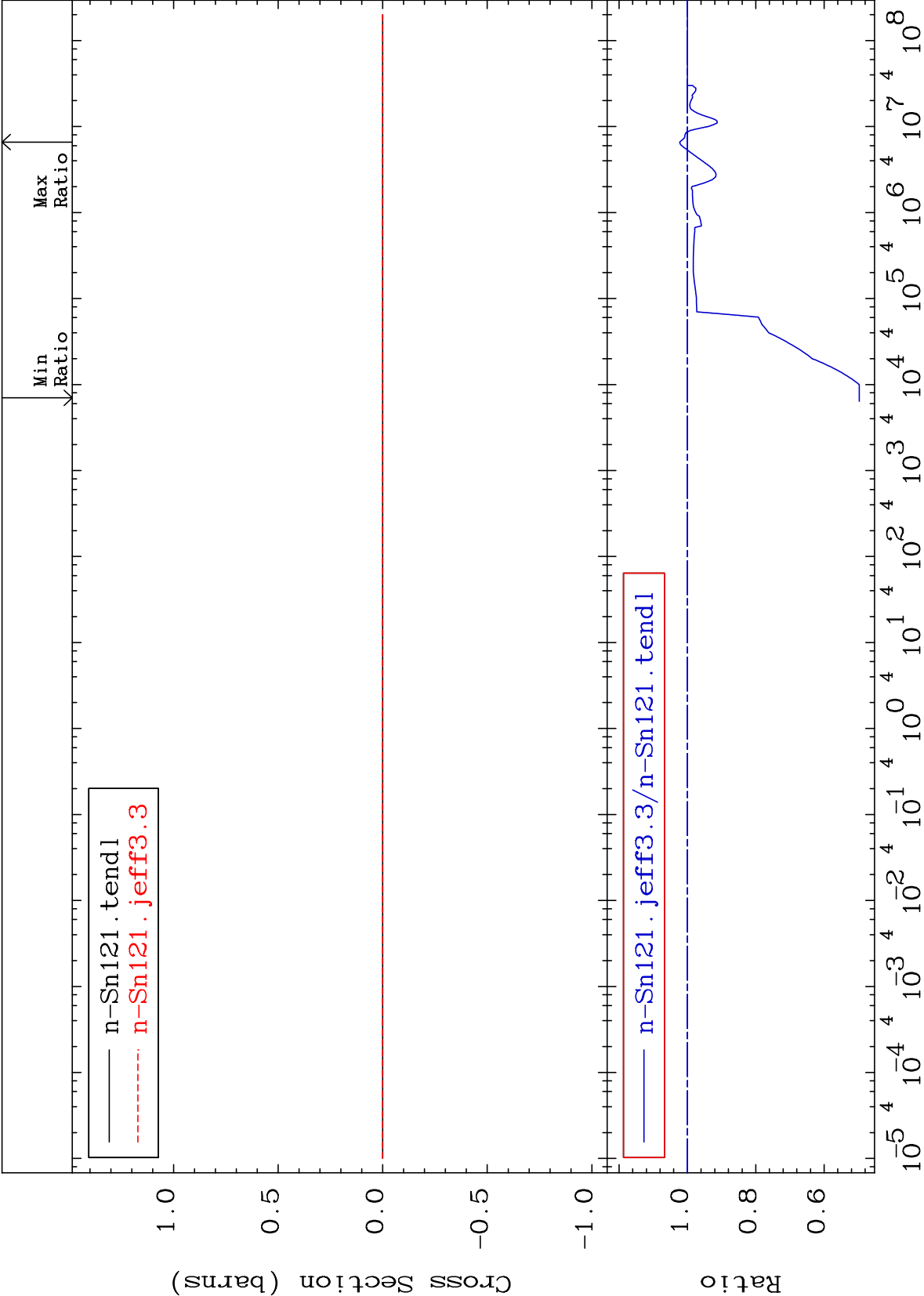
Kerma inelastic (mt51-91)

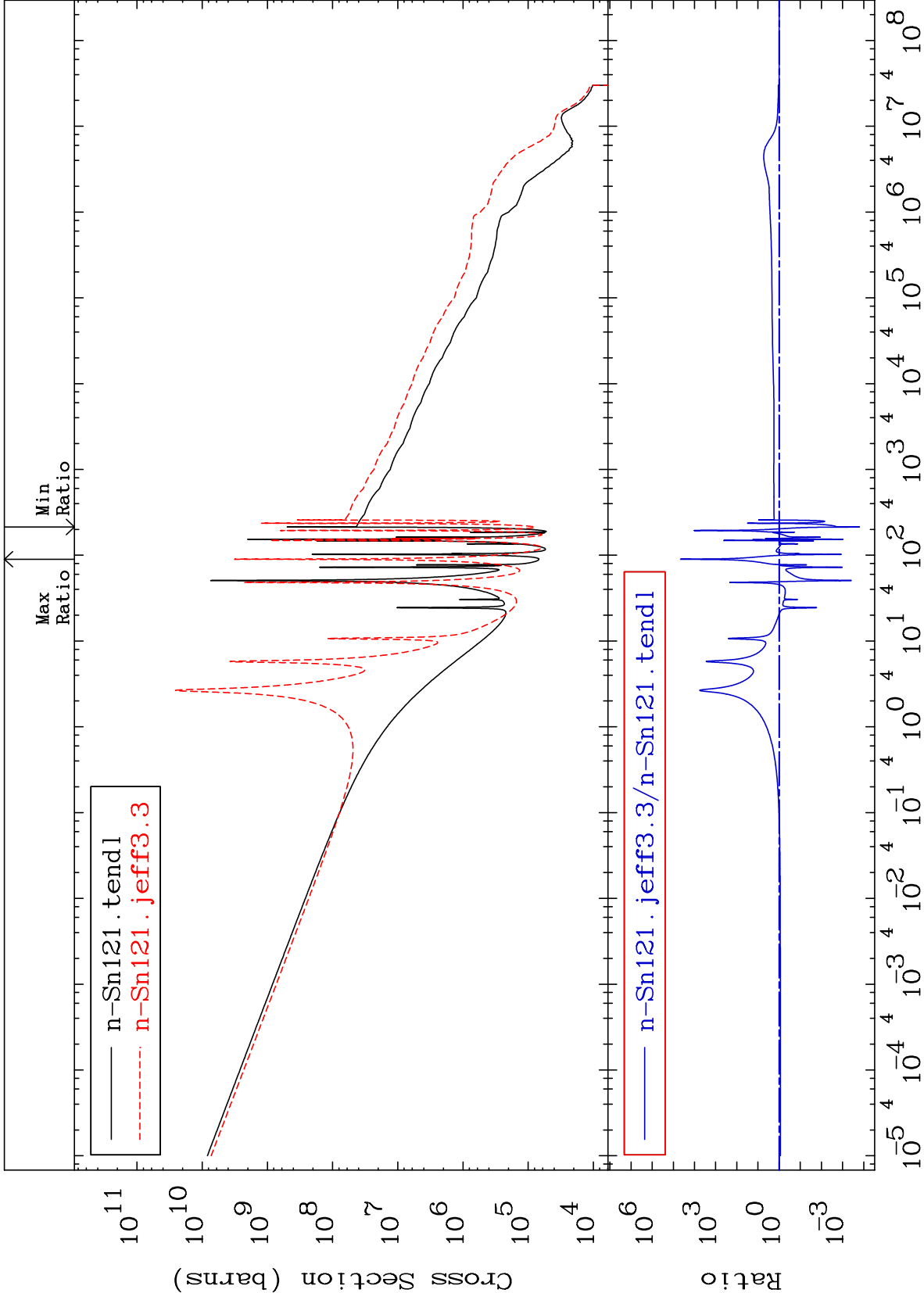
50-Sn-121

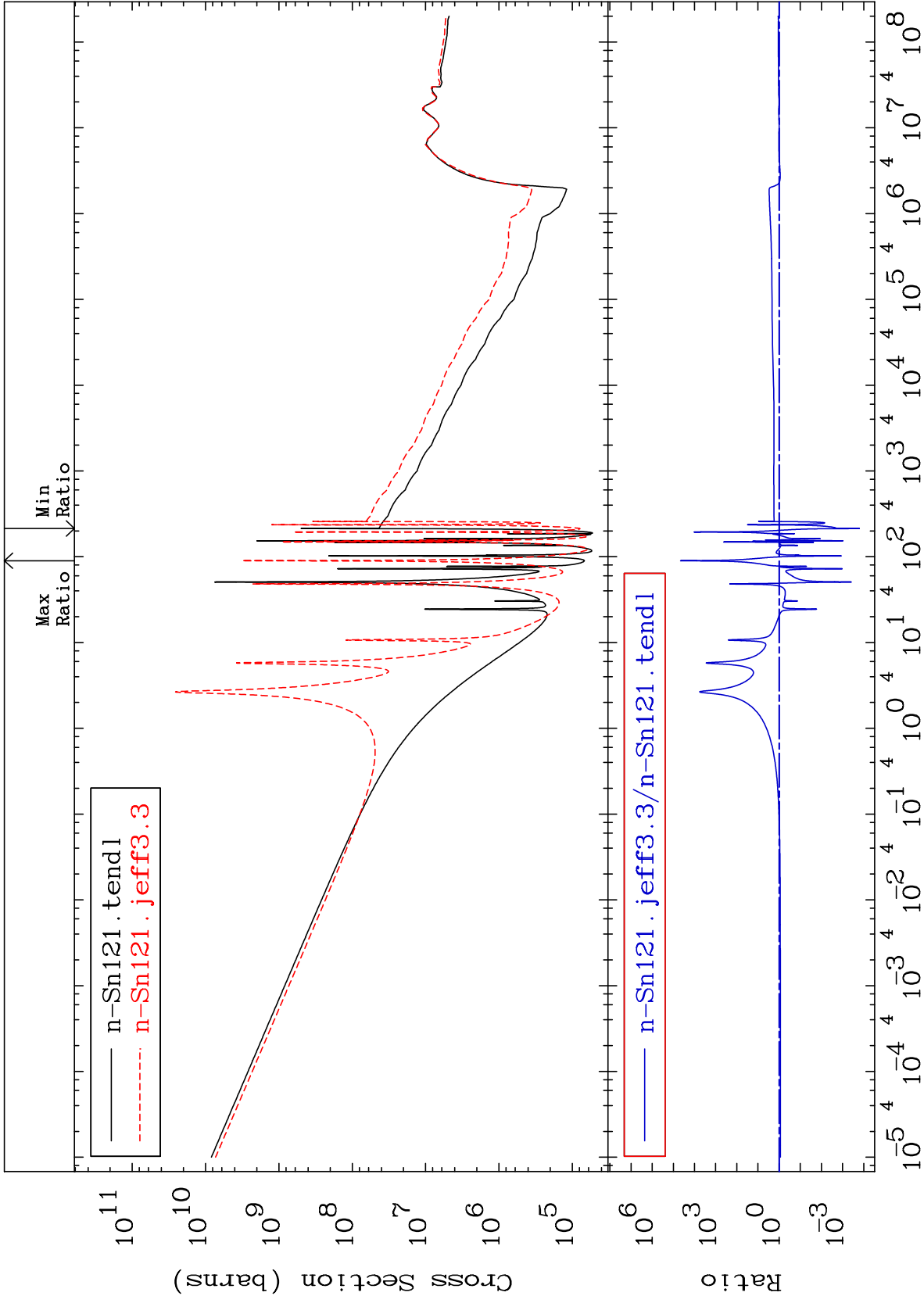
Cross Section

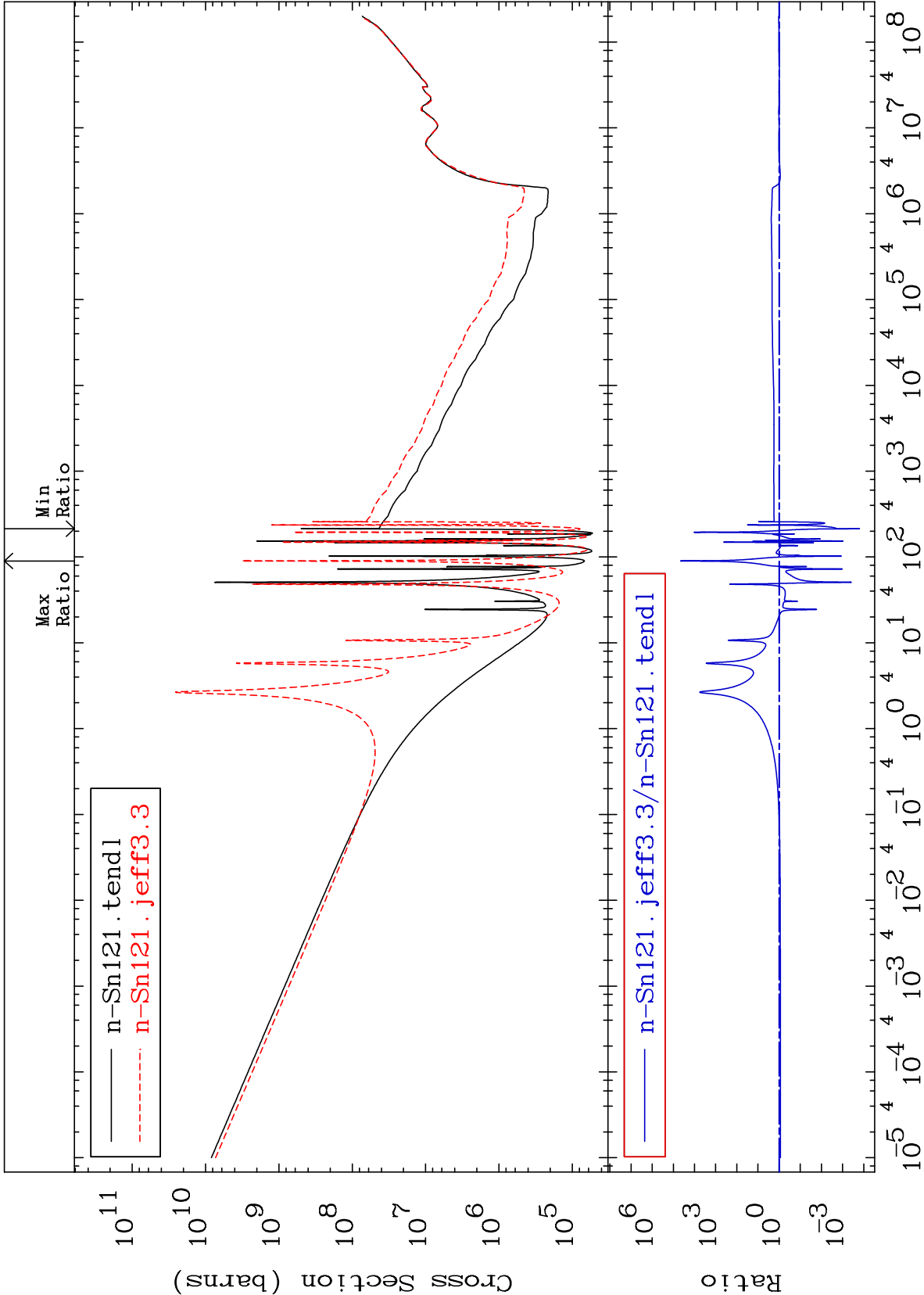
-50.28 To 2.244 %

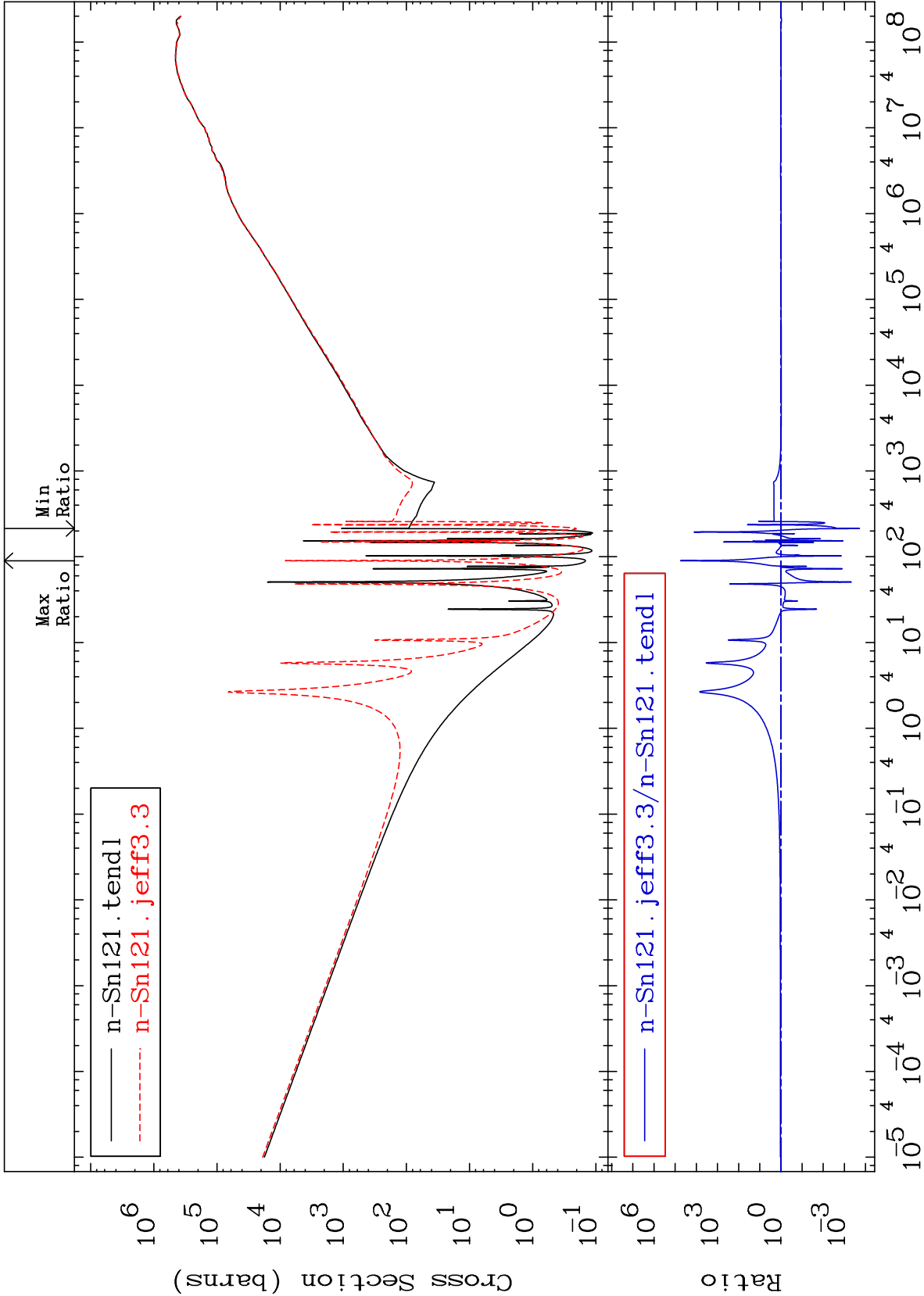












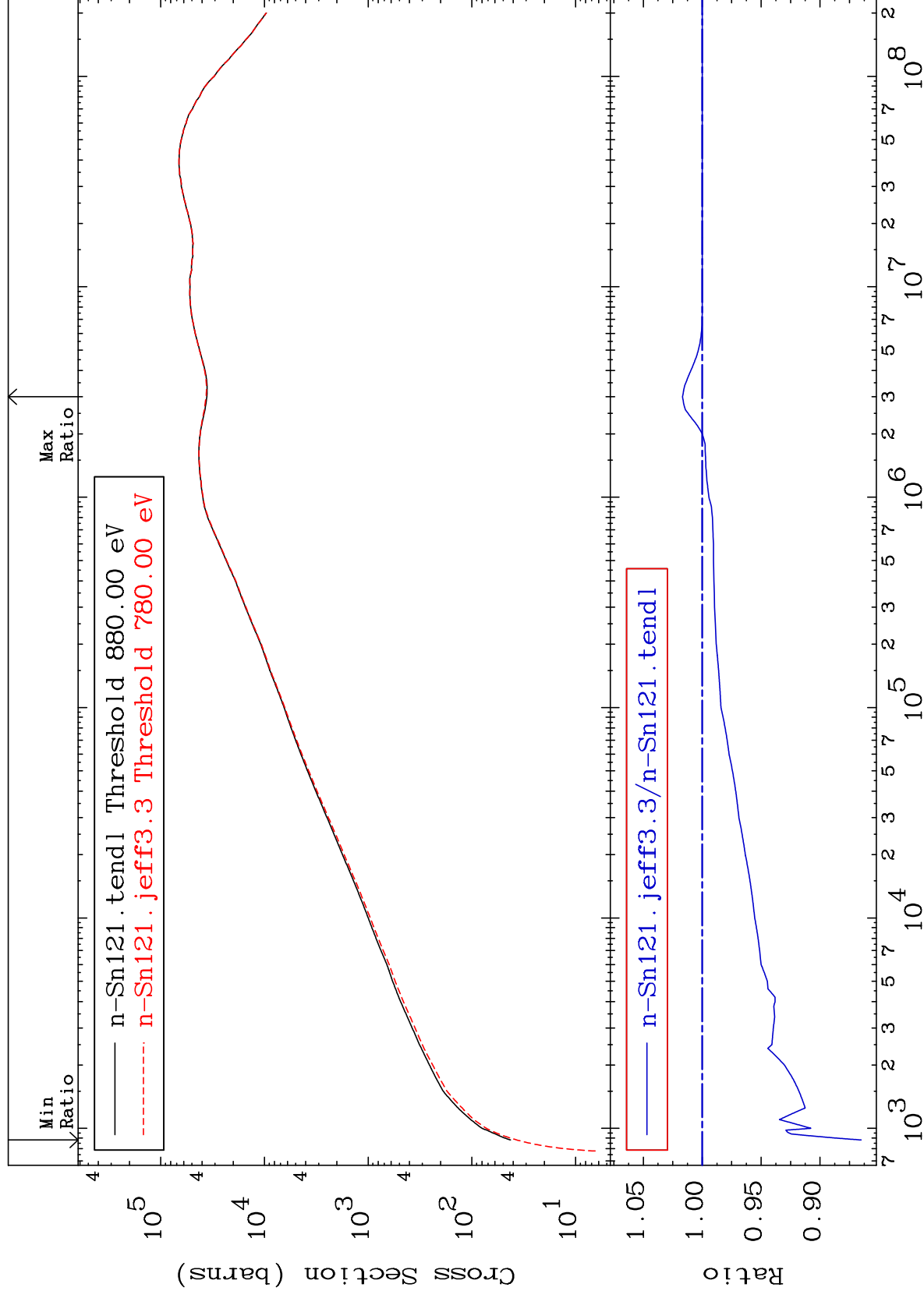
MAT 5052

Dpa elastic (mt2)

50-Sn-121

Cross Section

-13.49 To 1.670 %



22

Incident Energy (eV)

50-Sn-121

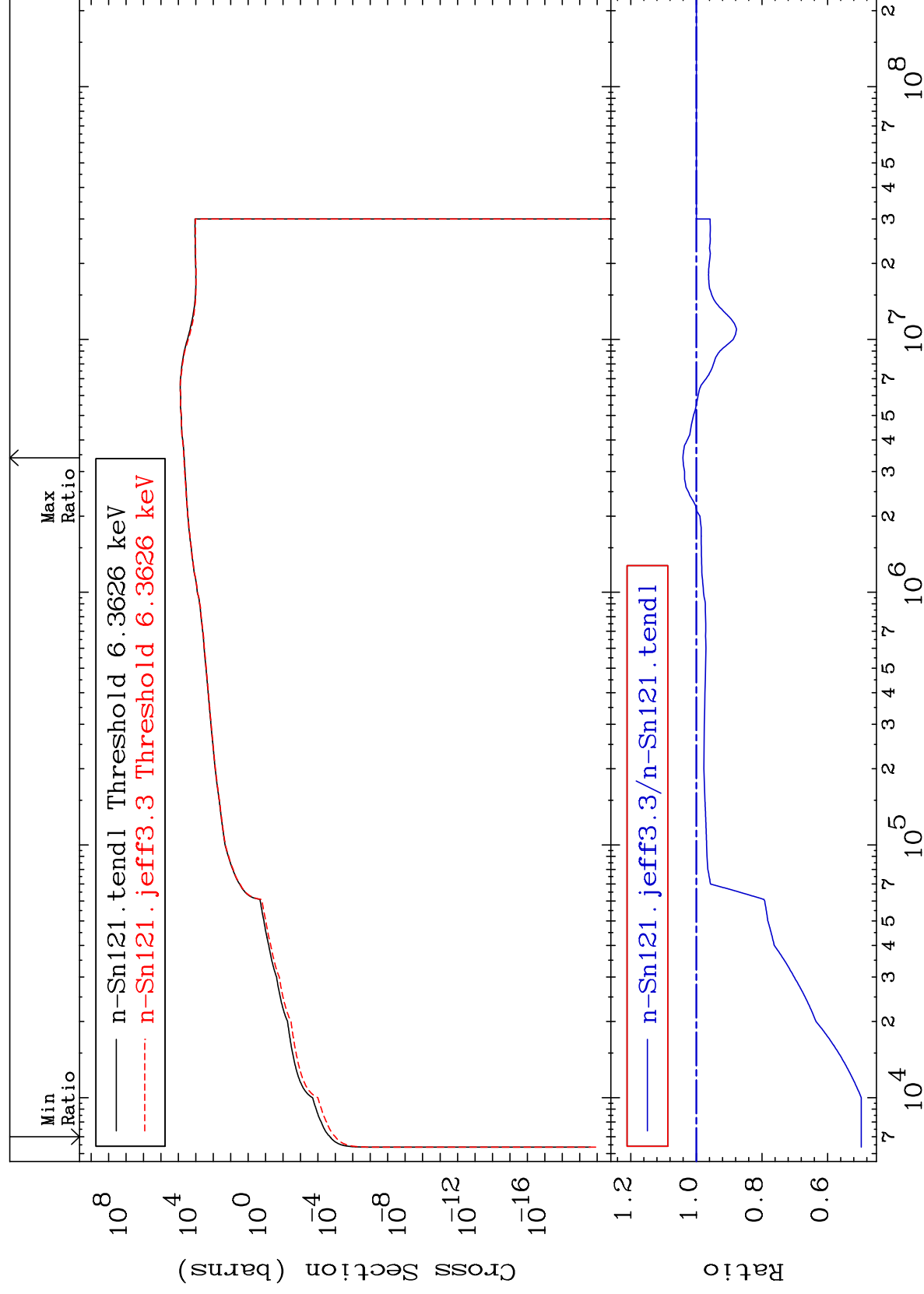
MAT 5052

Dpa inelastic (mt51-91)

Cross Section

50-Sn-121

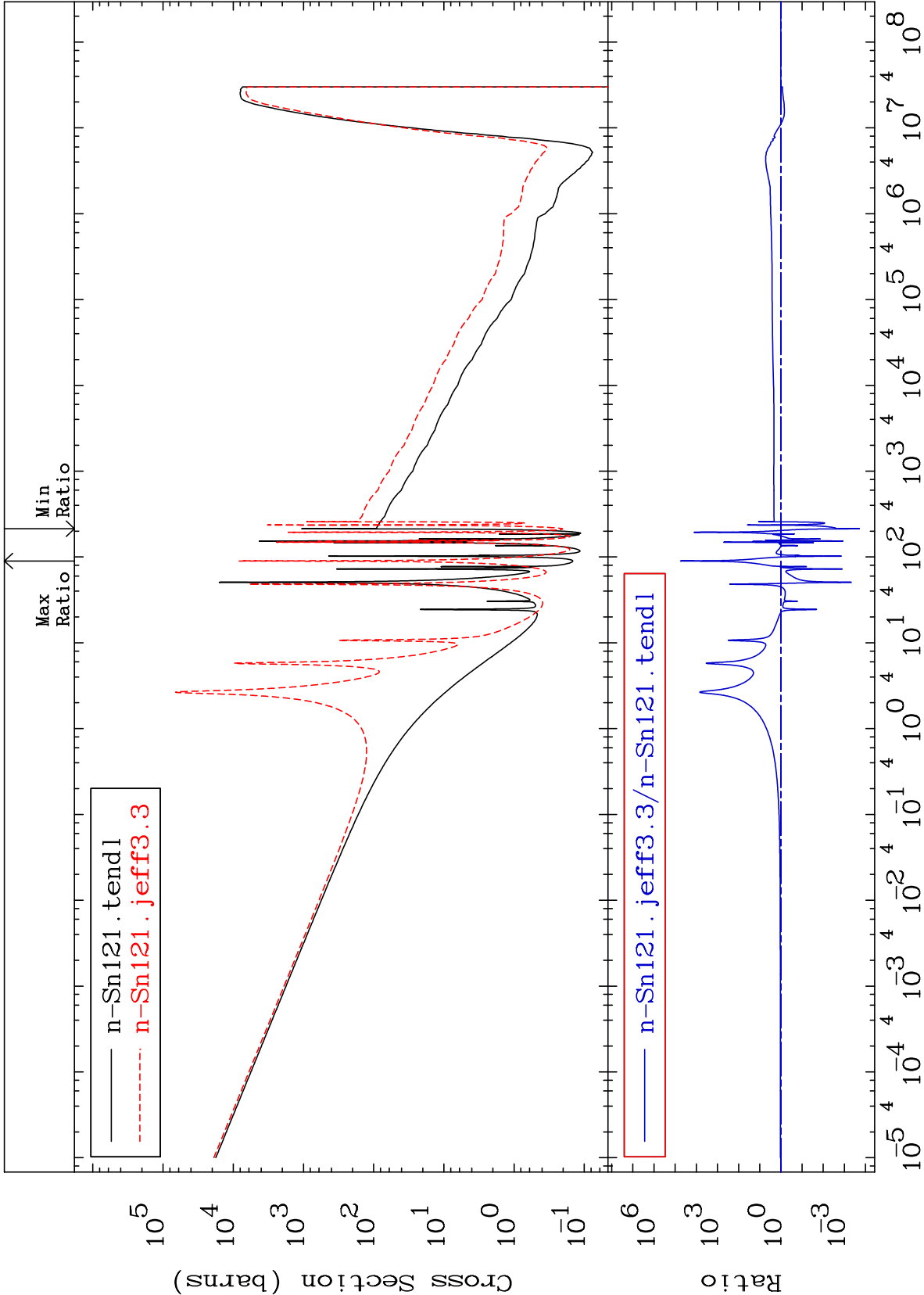
-50.28 To 4.073 %

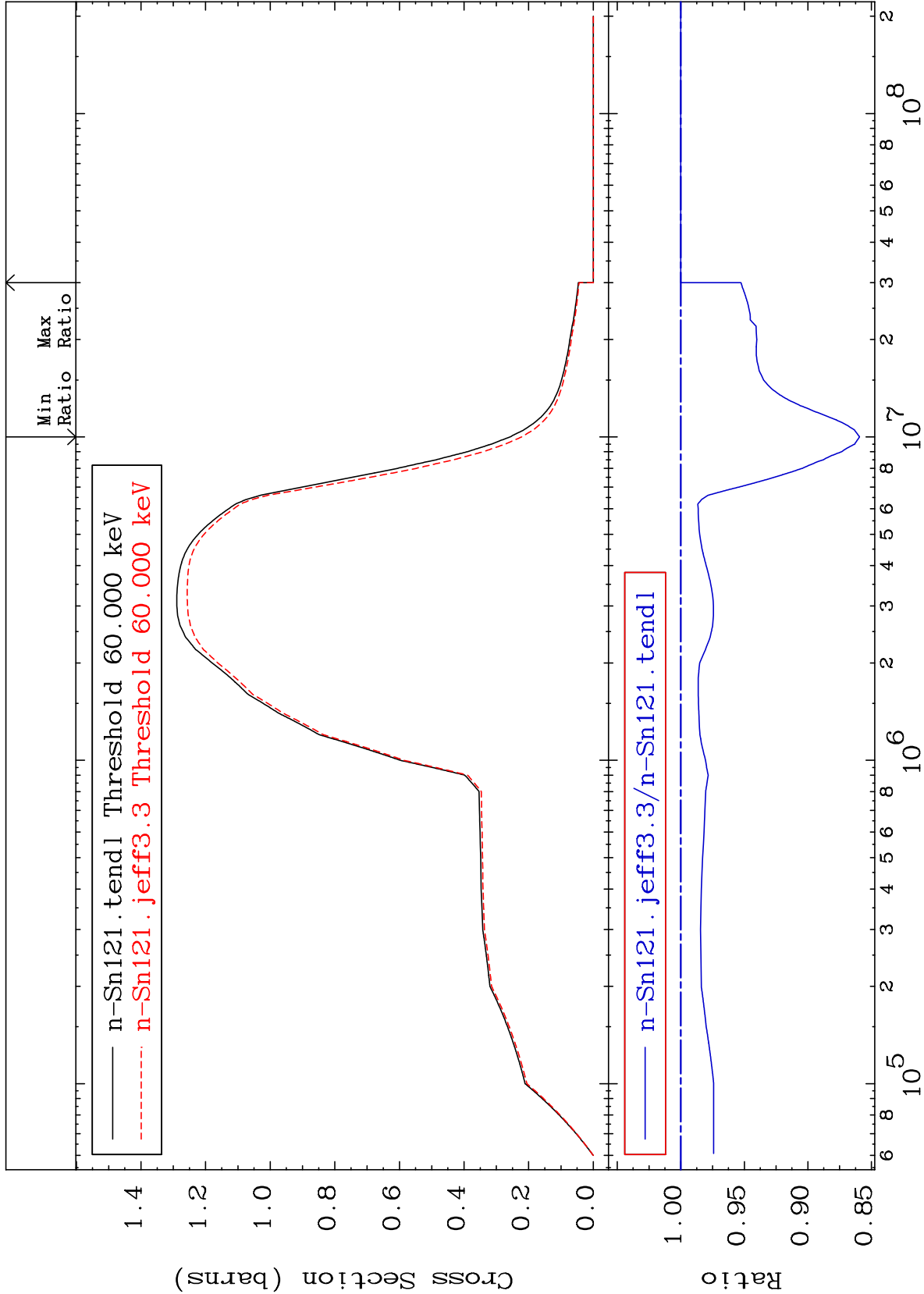


23

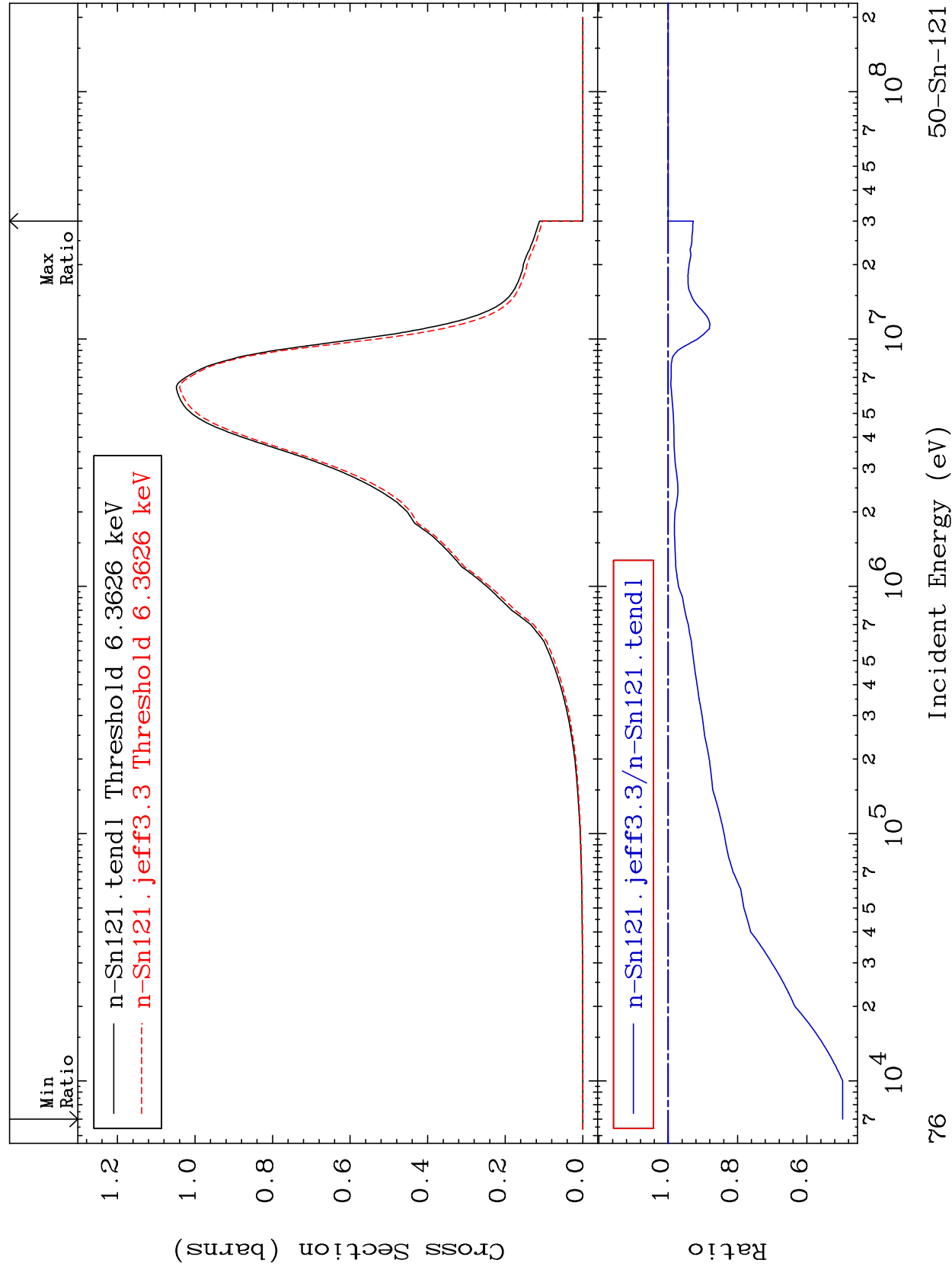
Incident Energy (eV)

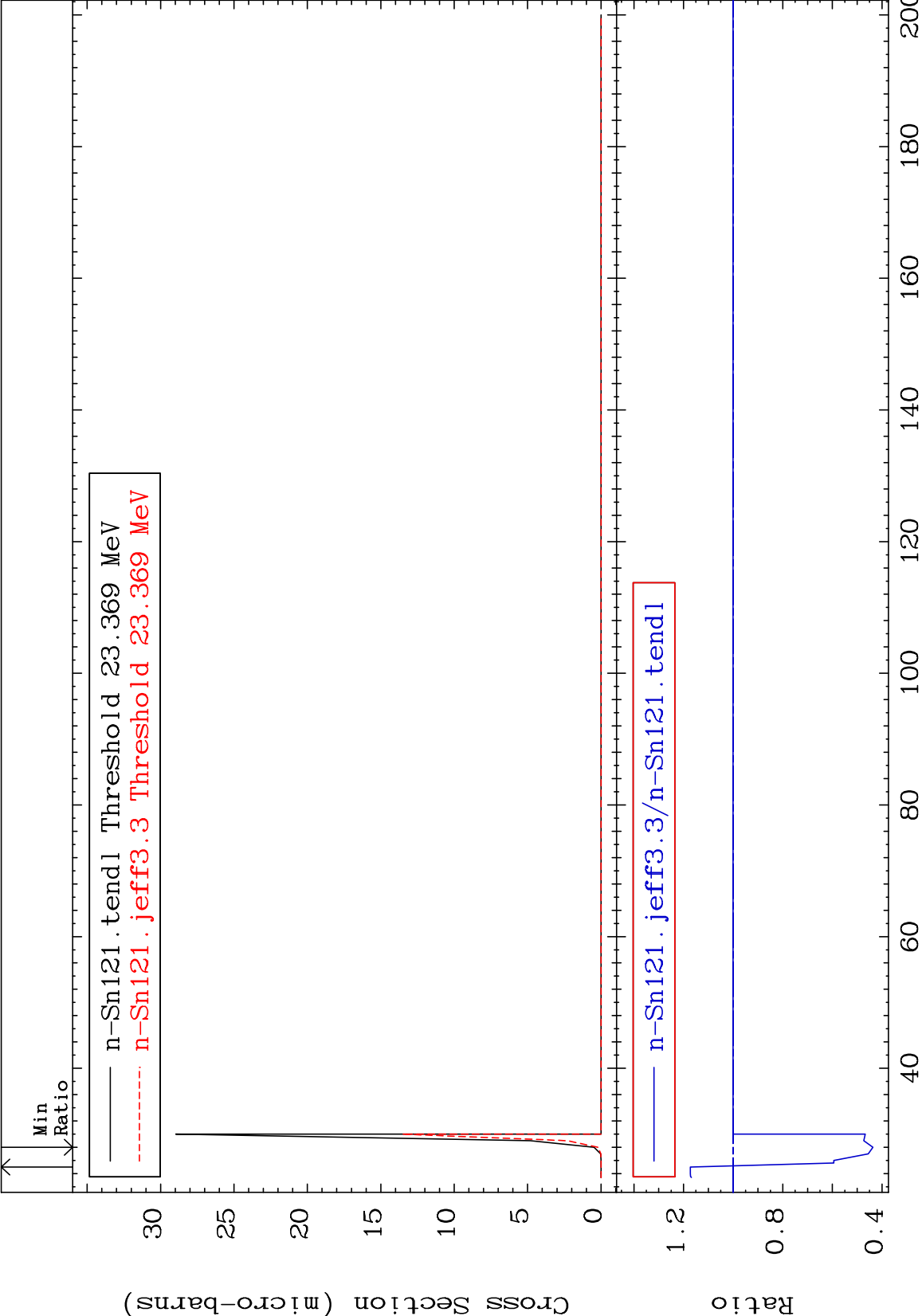
50-Sn-121

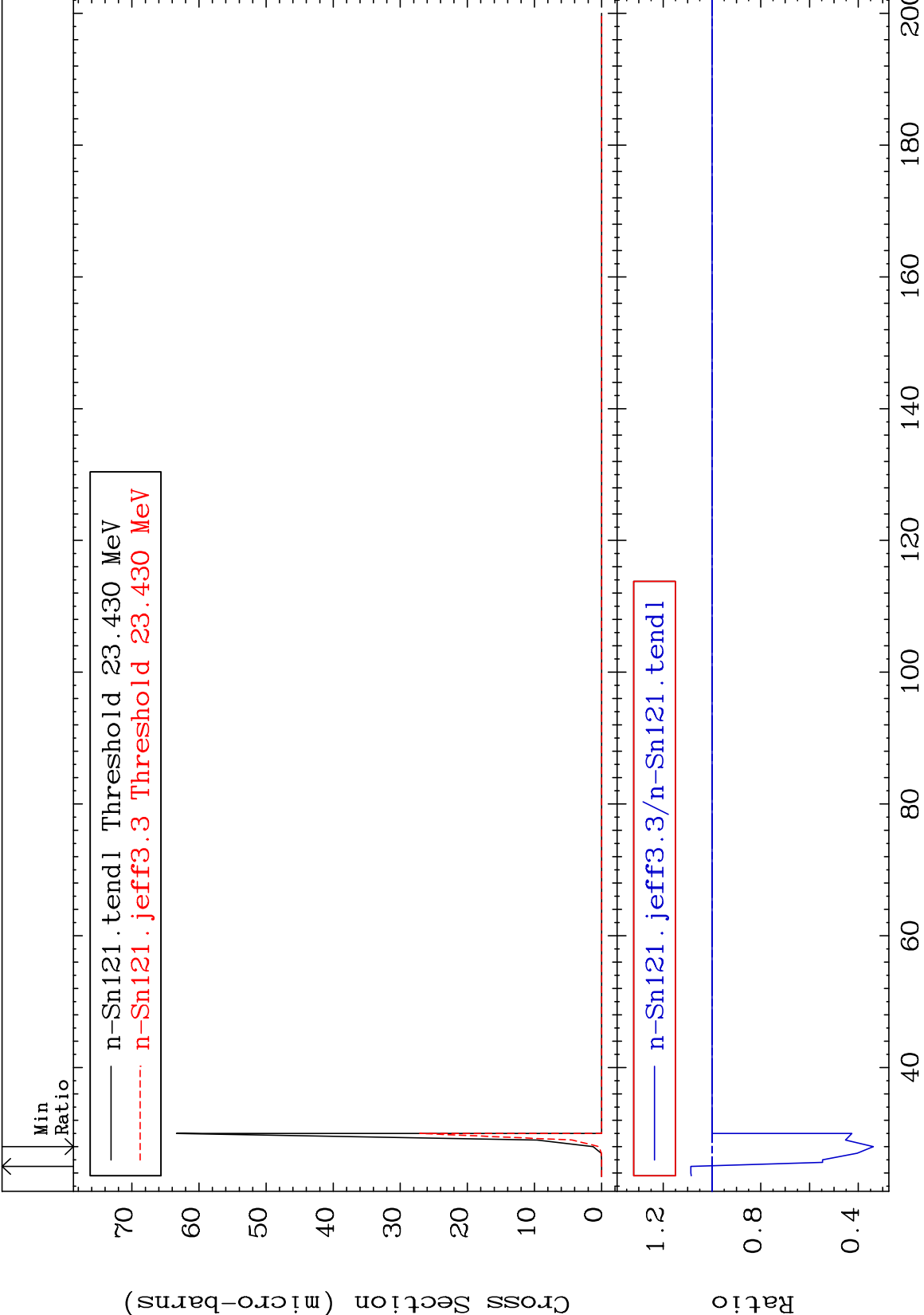




Inelastic:50-Sn-121m1
Radionuclide Production Cross Section
-50.28 To 0.000 %
50-Sn-121







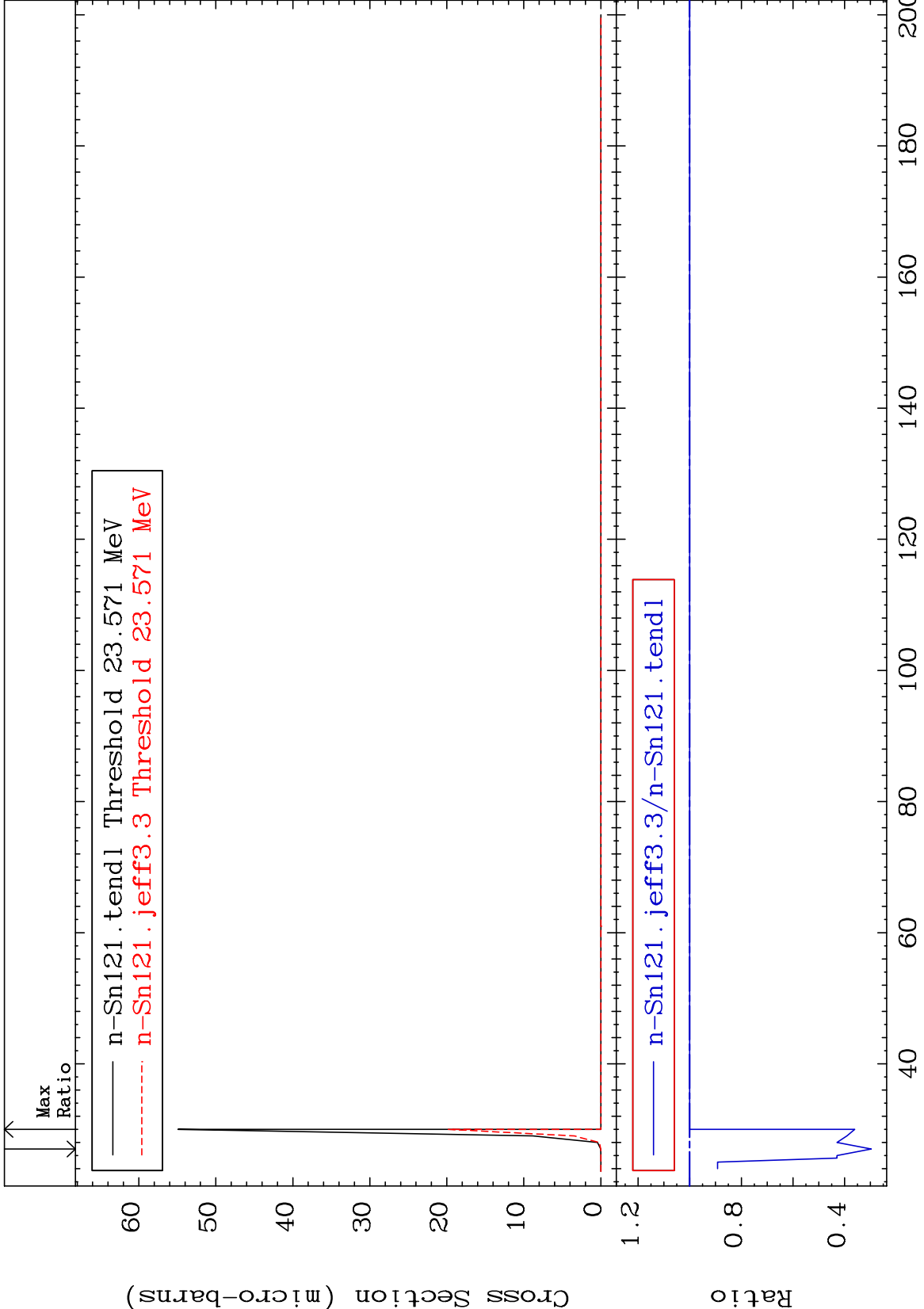
MAT 5052

(n,2n) d:49-In-118m3

50-Sn-121

Radionuclide Production Cross Section

-70.31 To 0.000 %



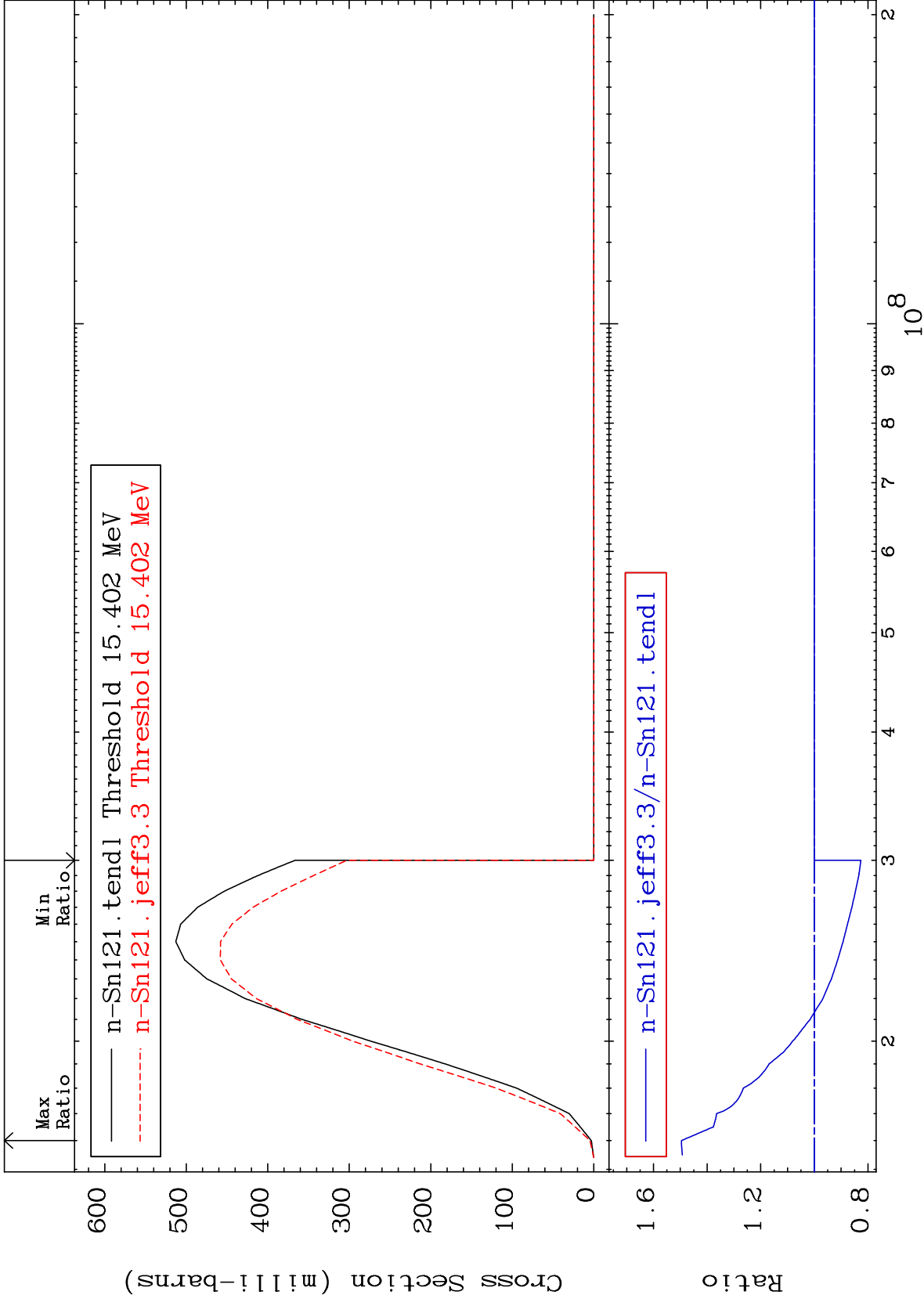
MAT 5052

(n,3n):50-Sn-119g

50-Sn-121

Radionuclide Production Cross Section

-17.38 To 49.55 %



80

Incident Energy (eV)

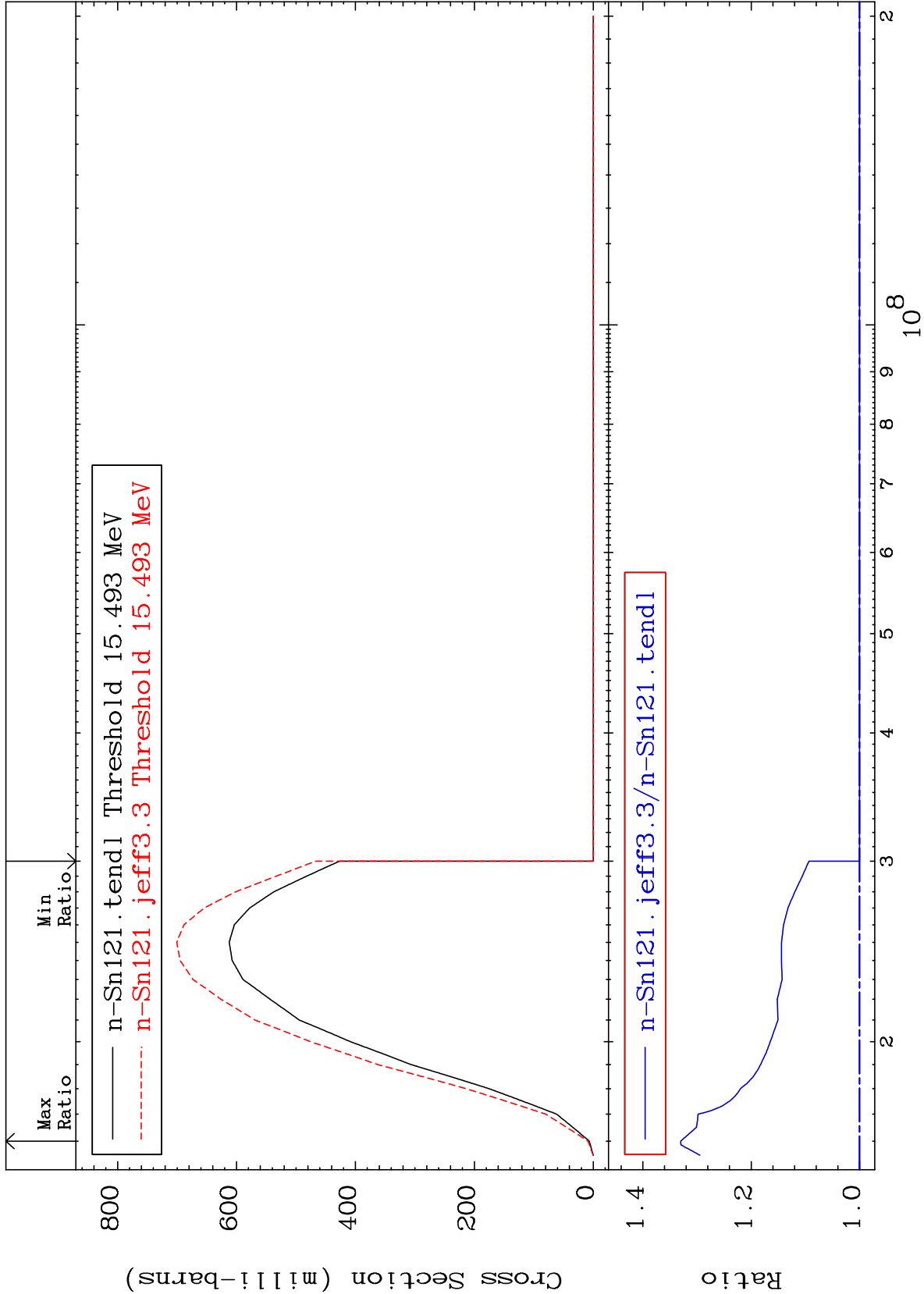
50-Sn-121

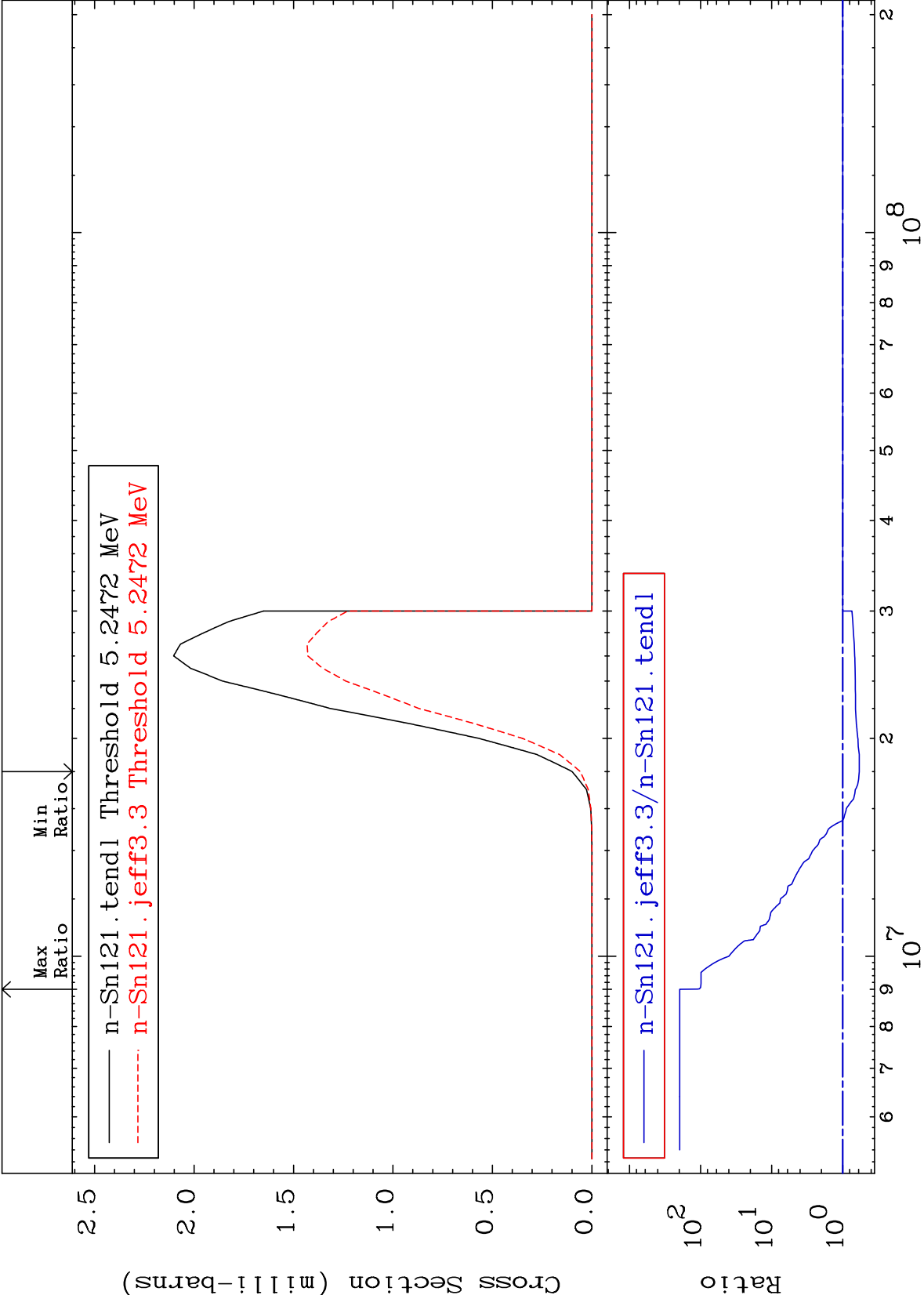
MAT 5052

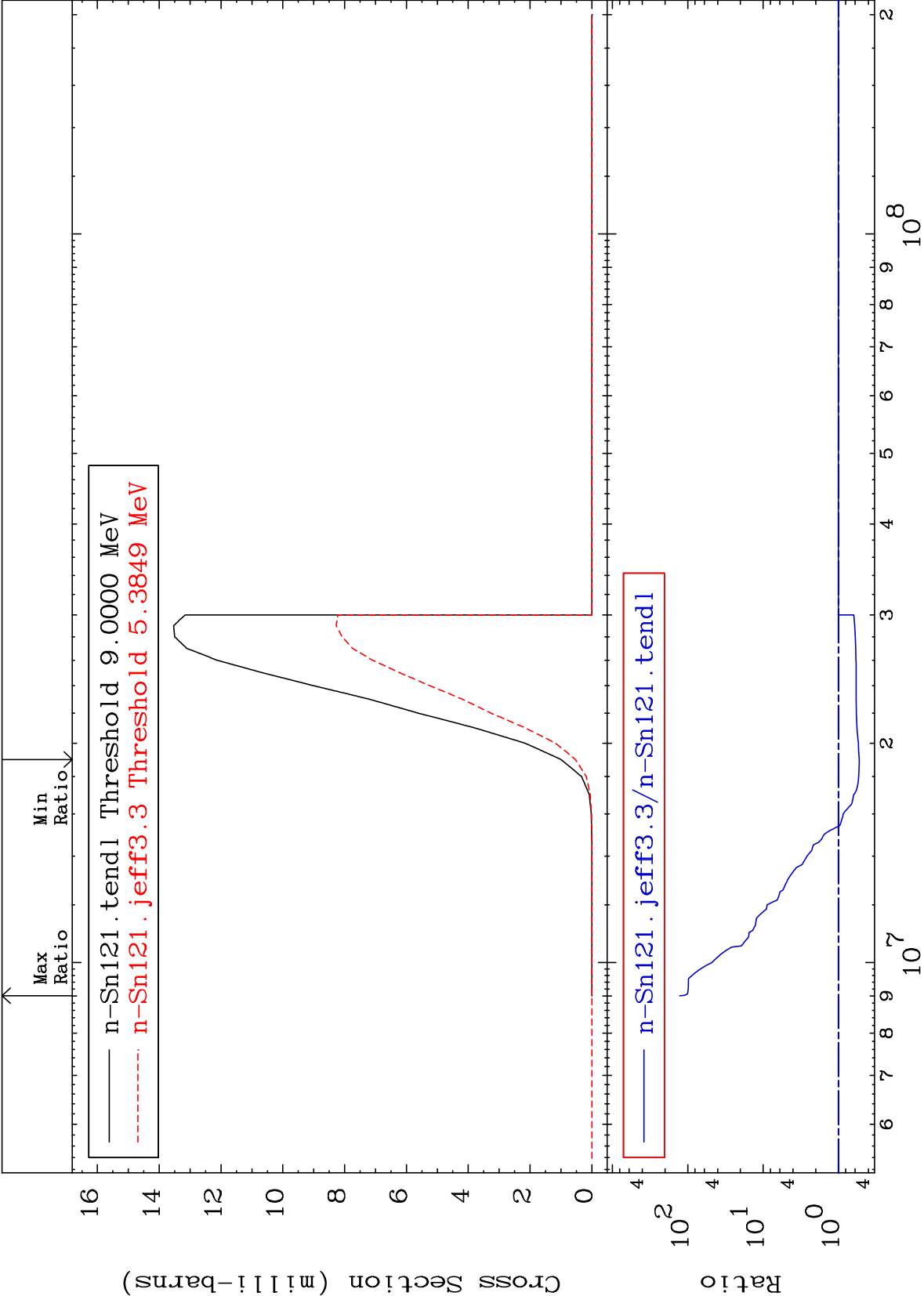
(n,3n):50-Sn-119m2

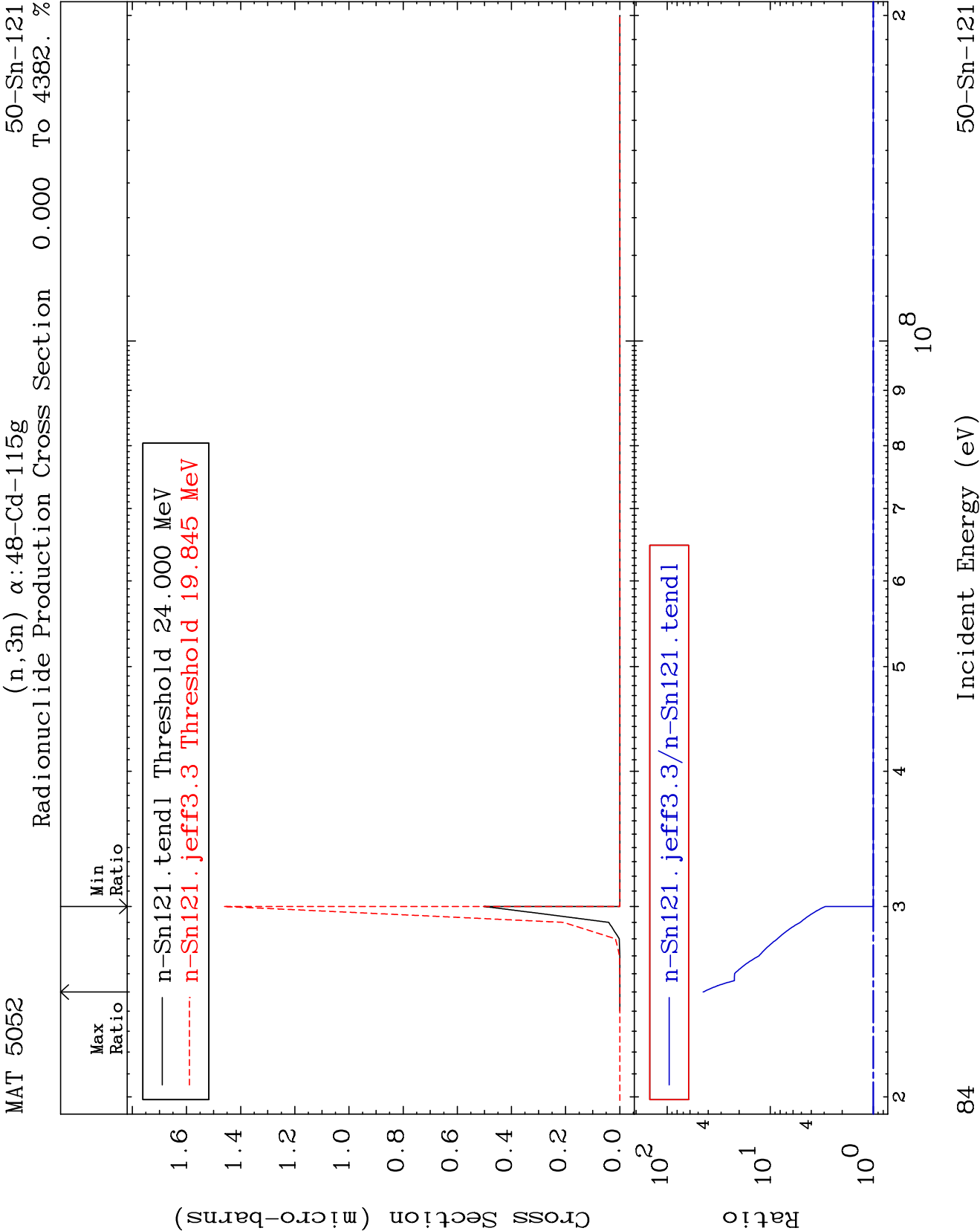
50-Sn-121

Radionuclide Production Cross Section 0.000 To 33.00 %









MAT 5052

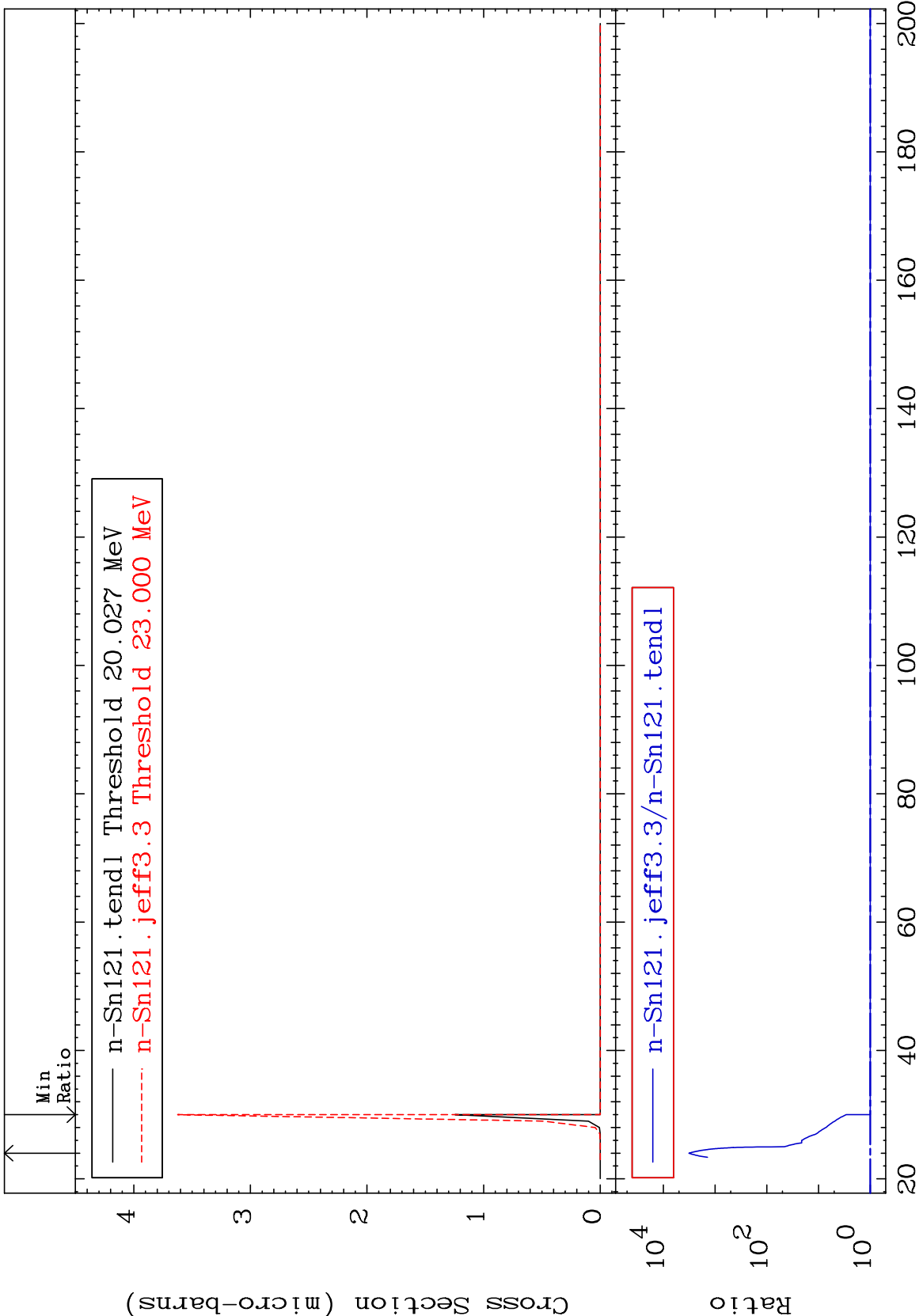
(n,3n) α :48-Cd-115m1

50-Sn-121

Radionuclide Production Cross Section

0.000

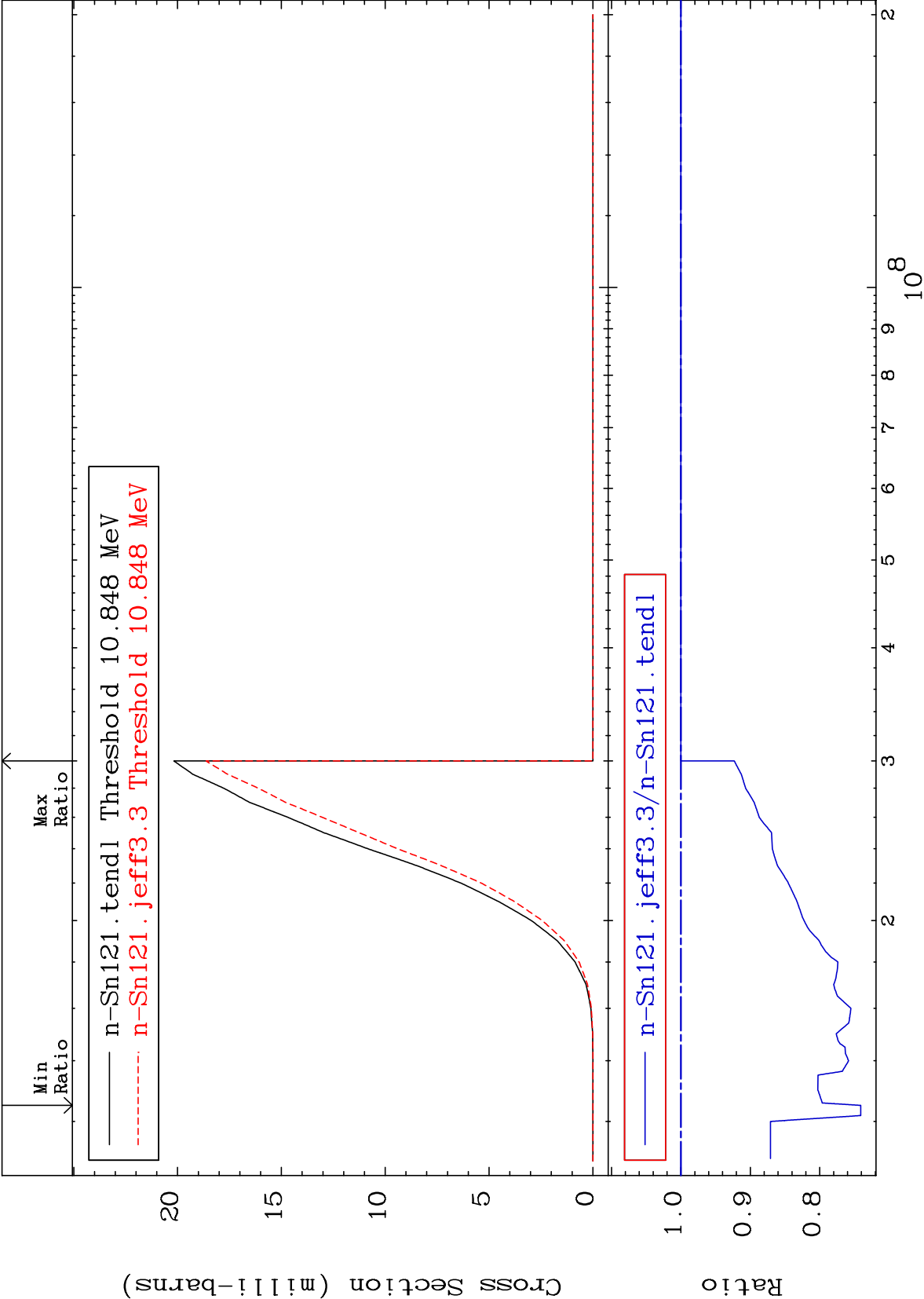
To 9999. %

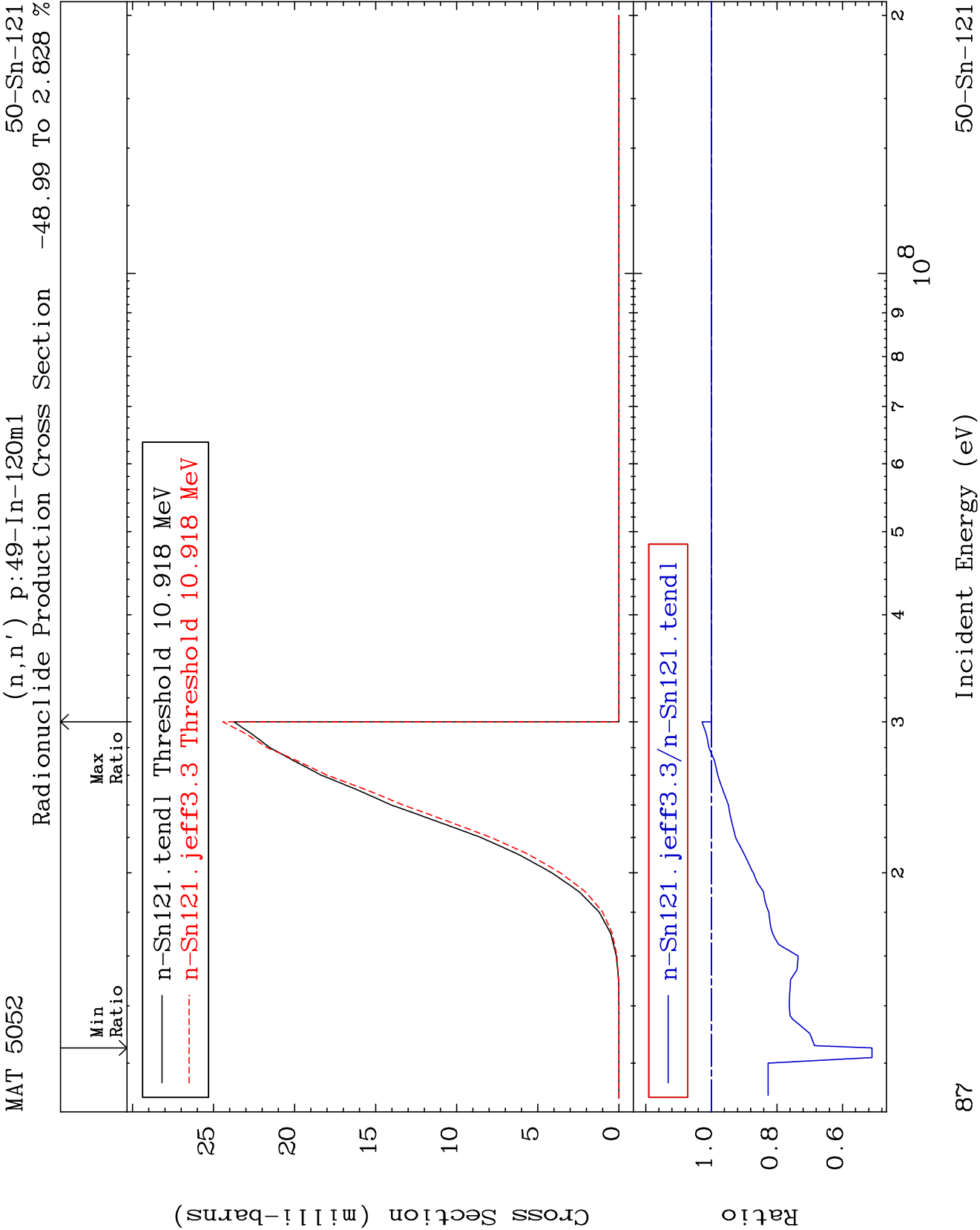


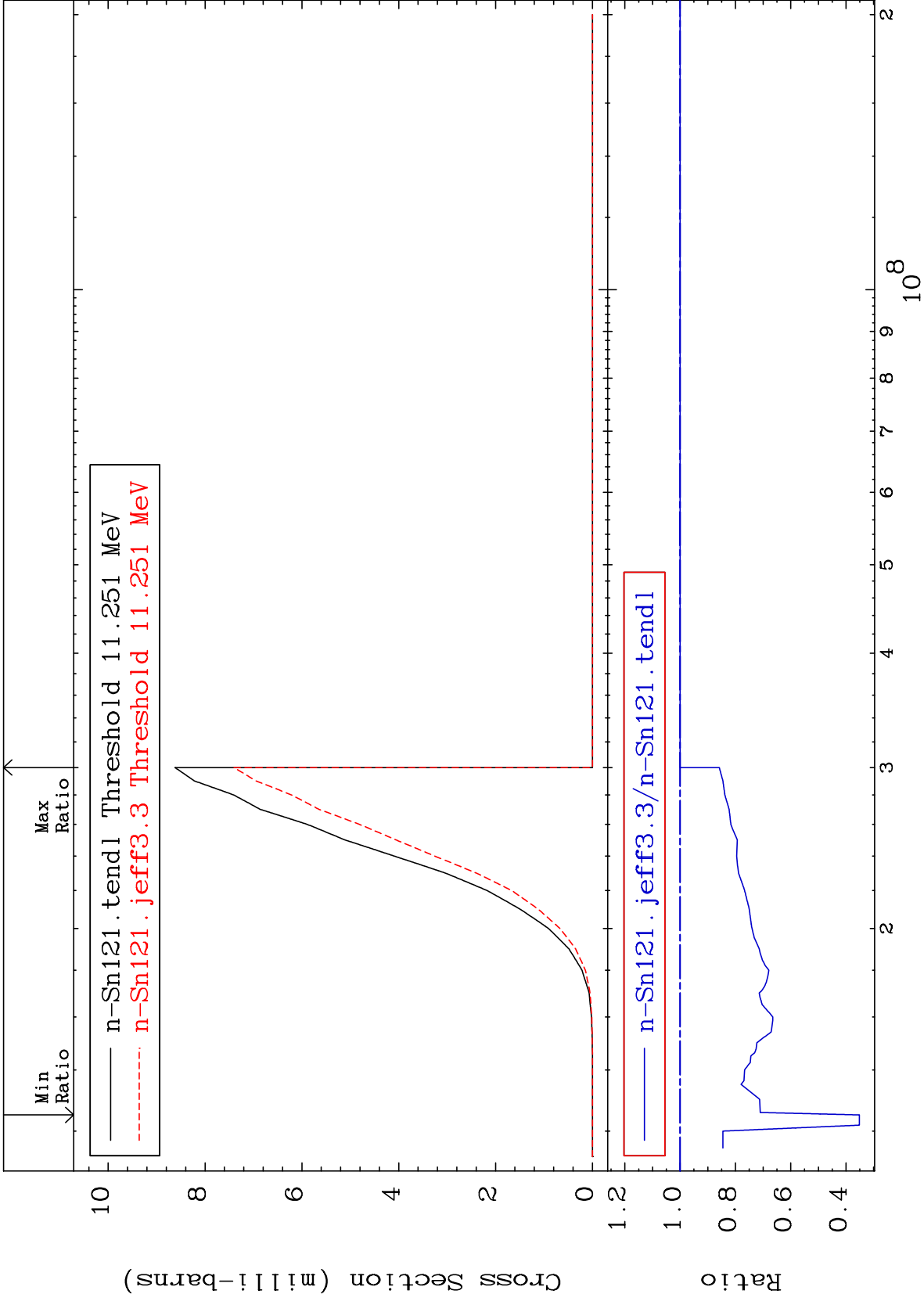
85

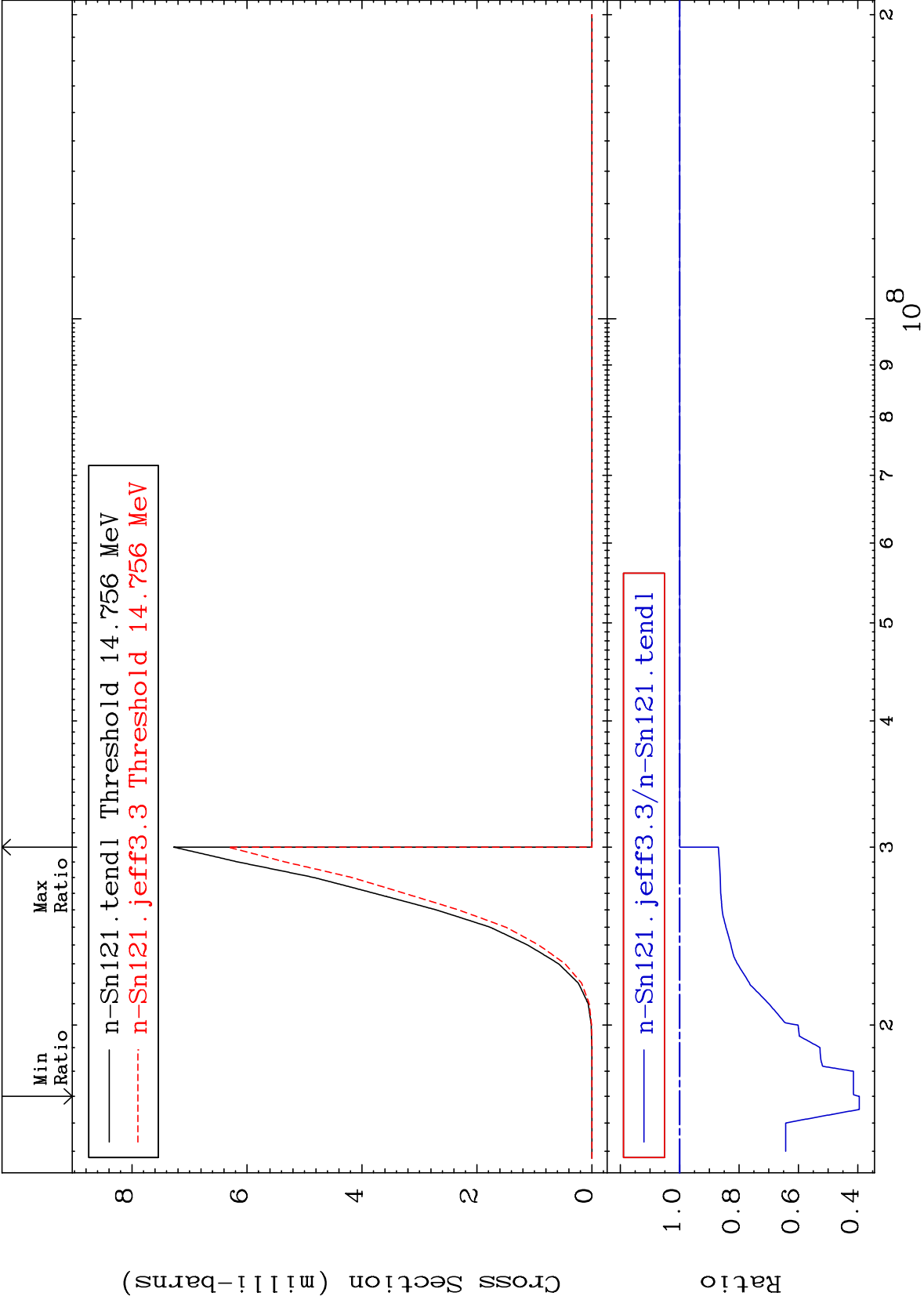
Incident Energy (MeV)

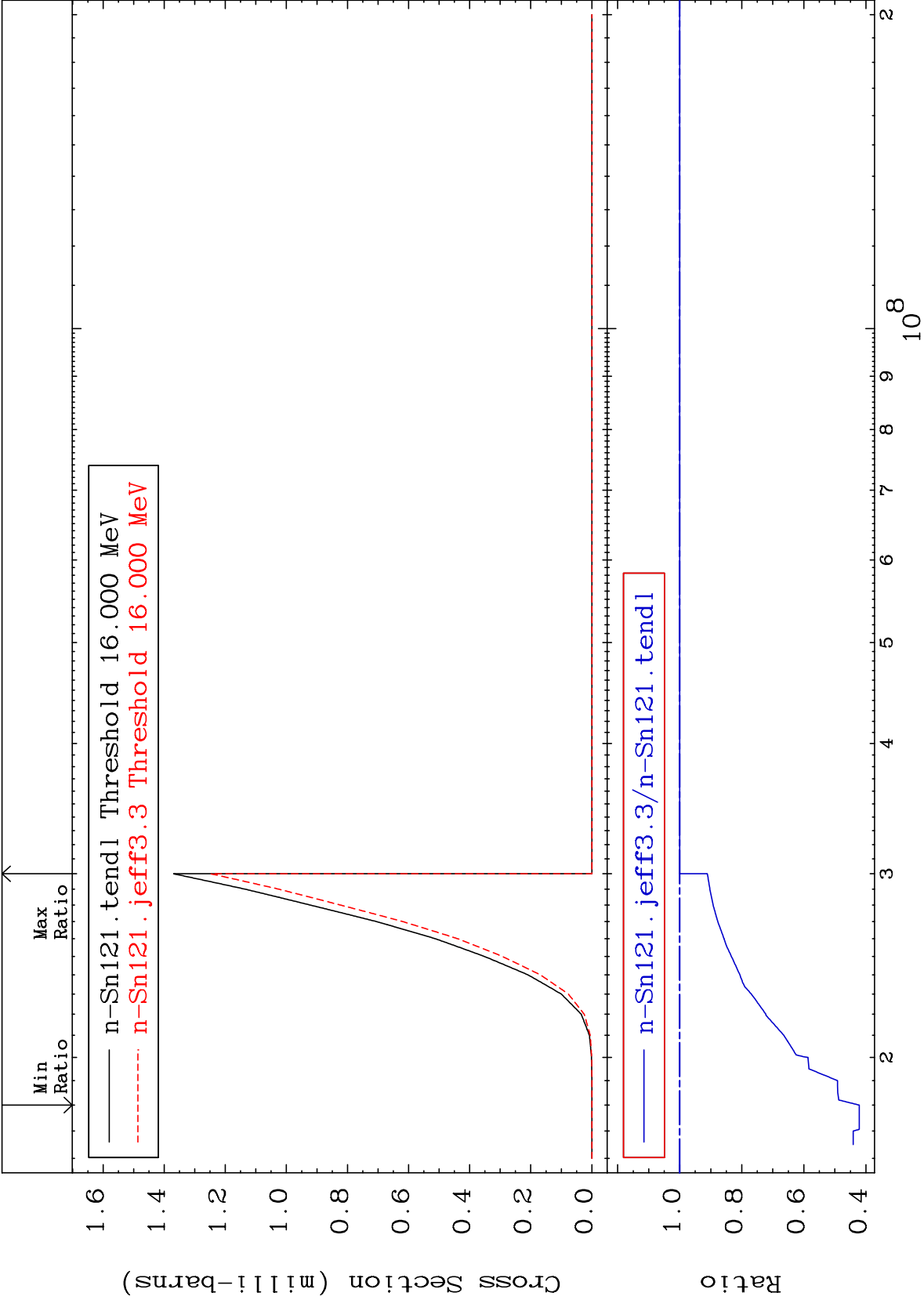
50-Sn-121





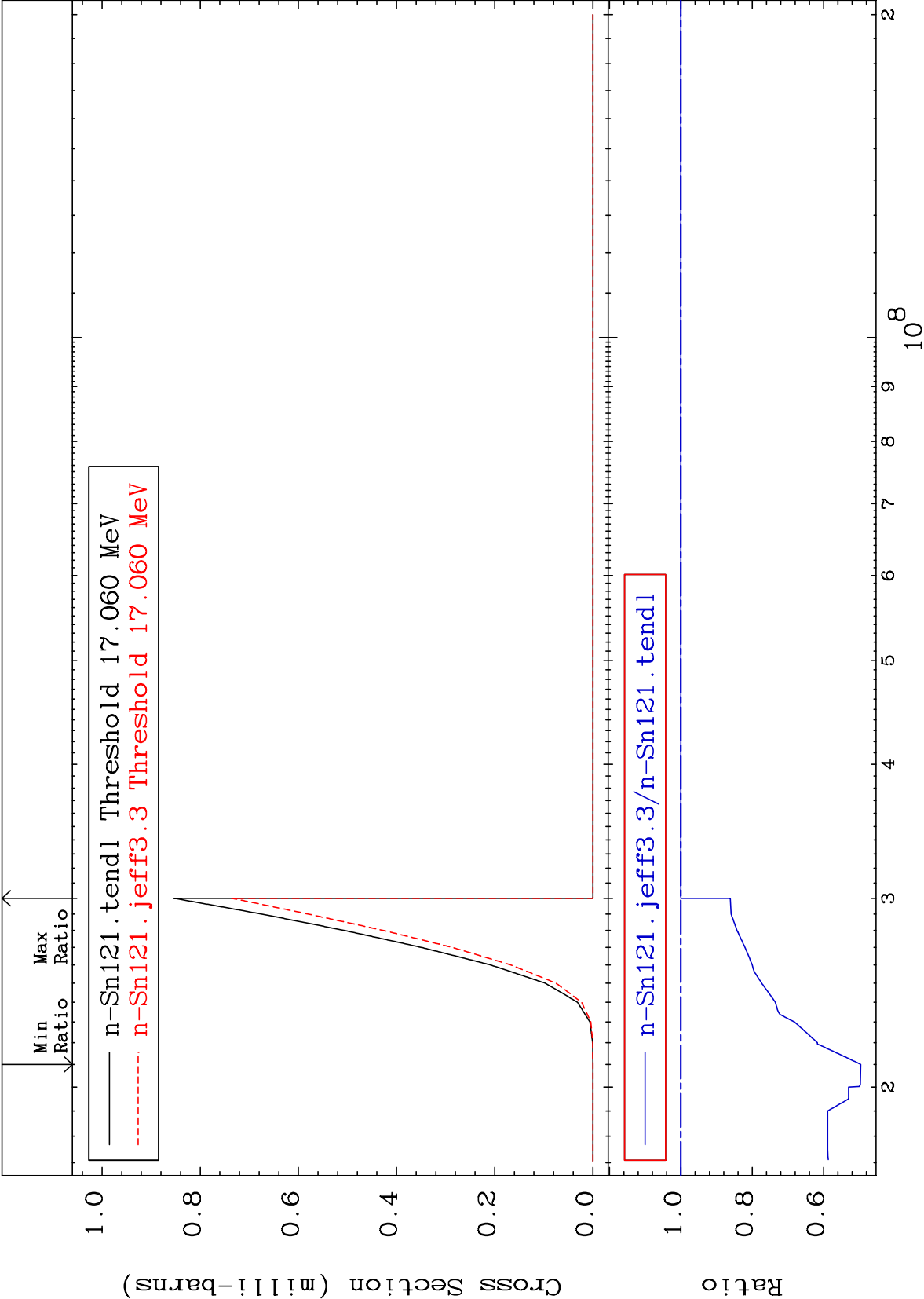






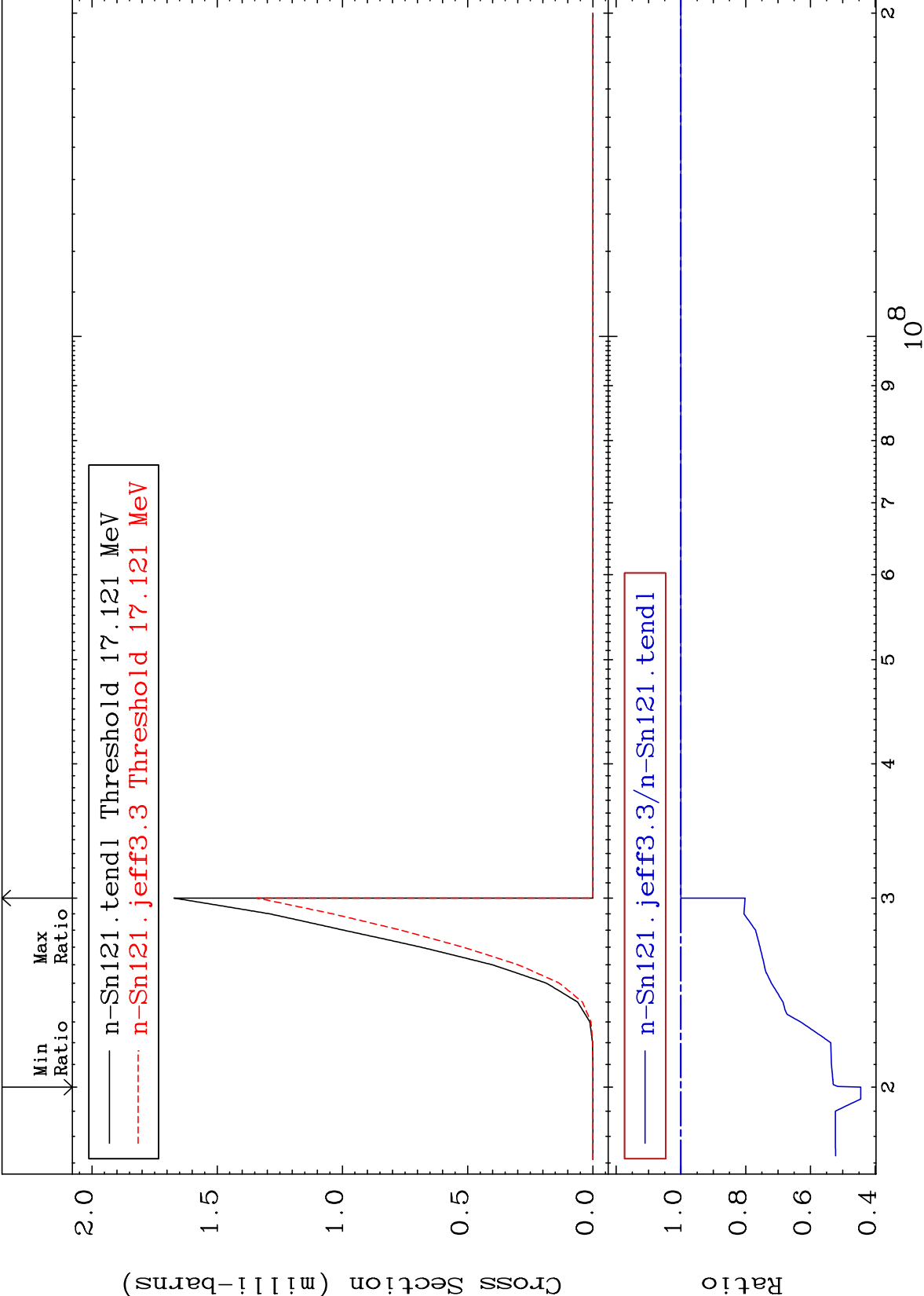
Radionuclide Production Cross Section

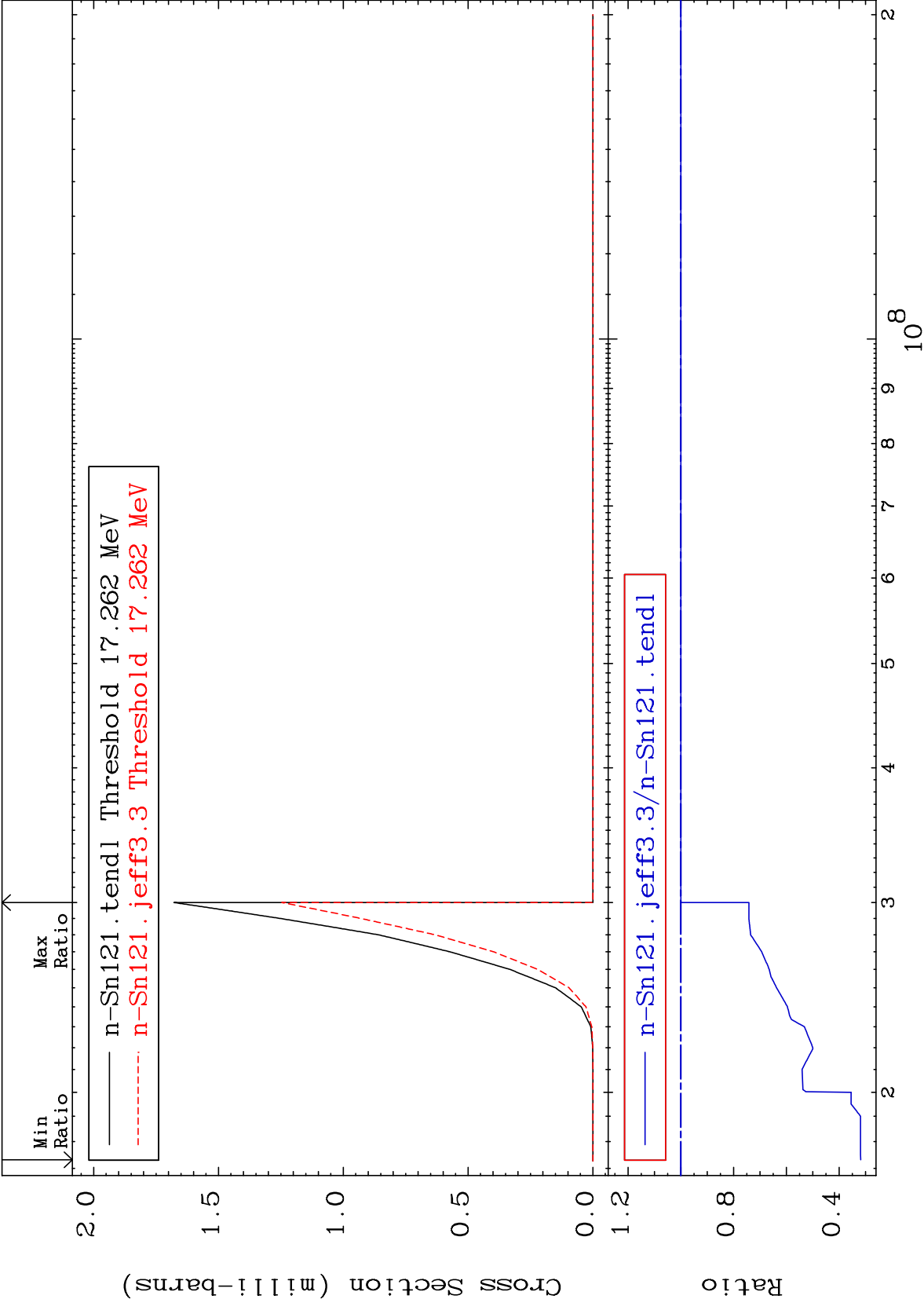
-50.39 To 0.000 %

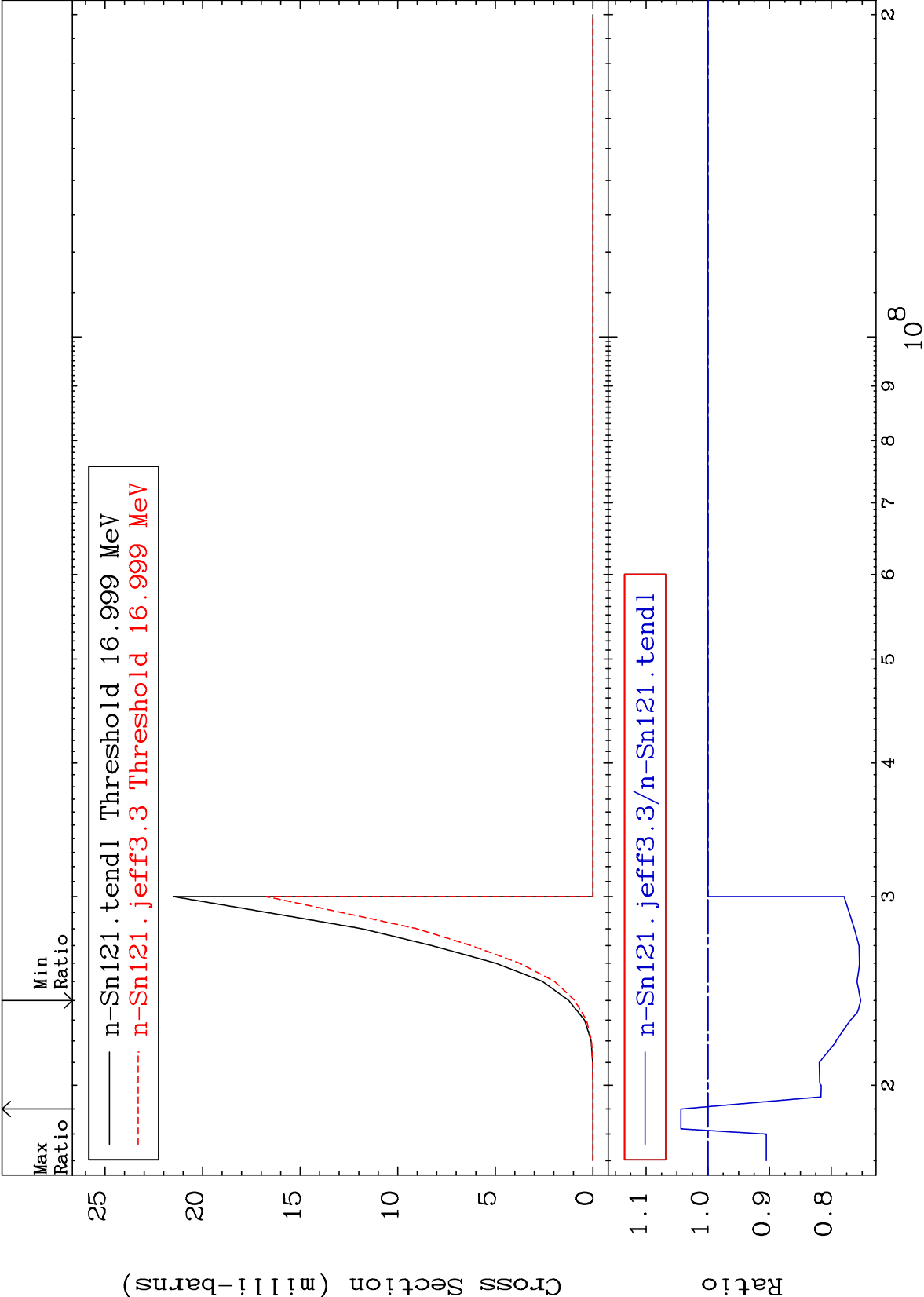


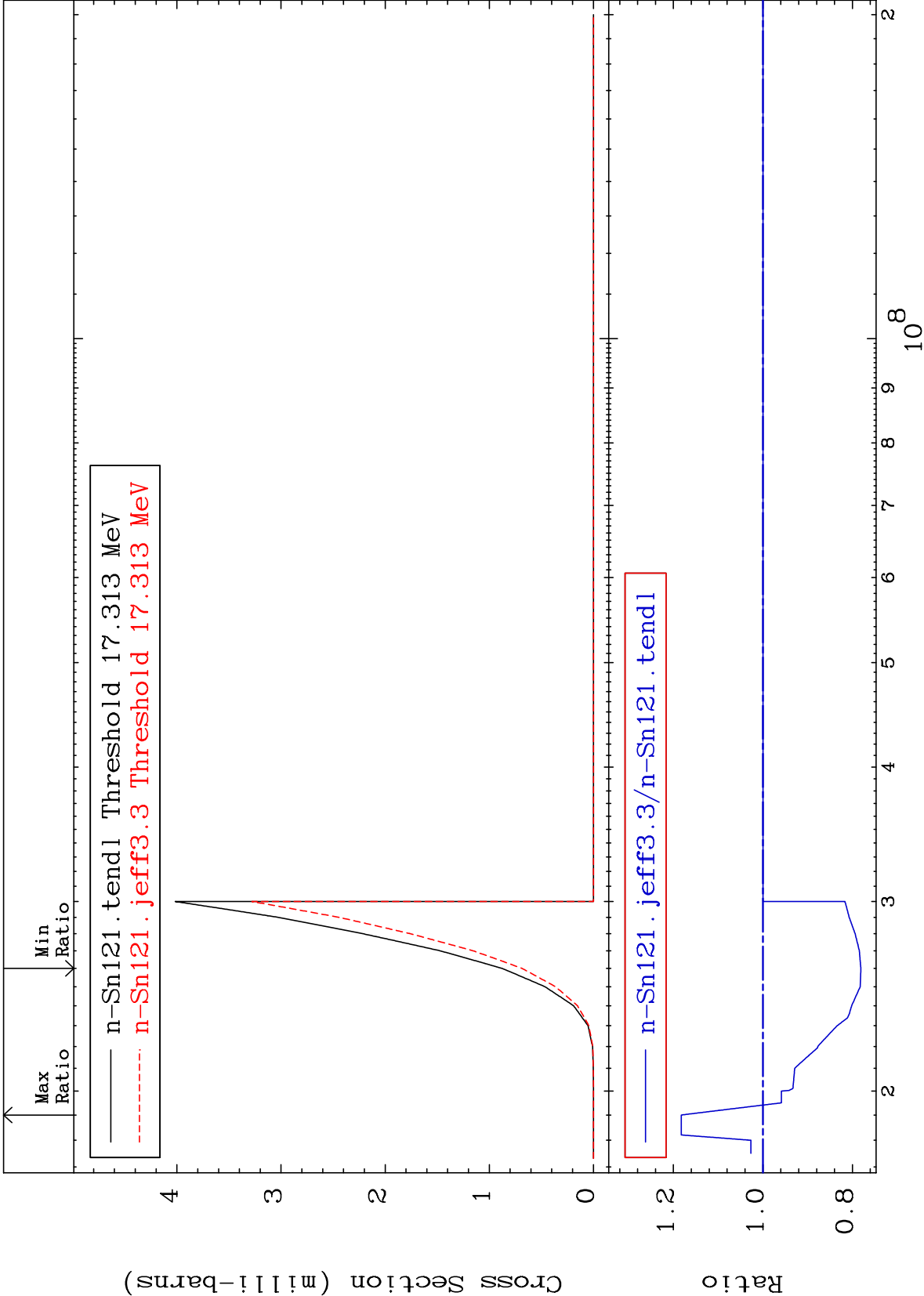
Radionuclide Production Cross Section

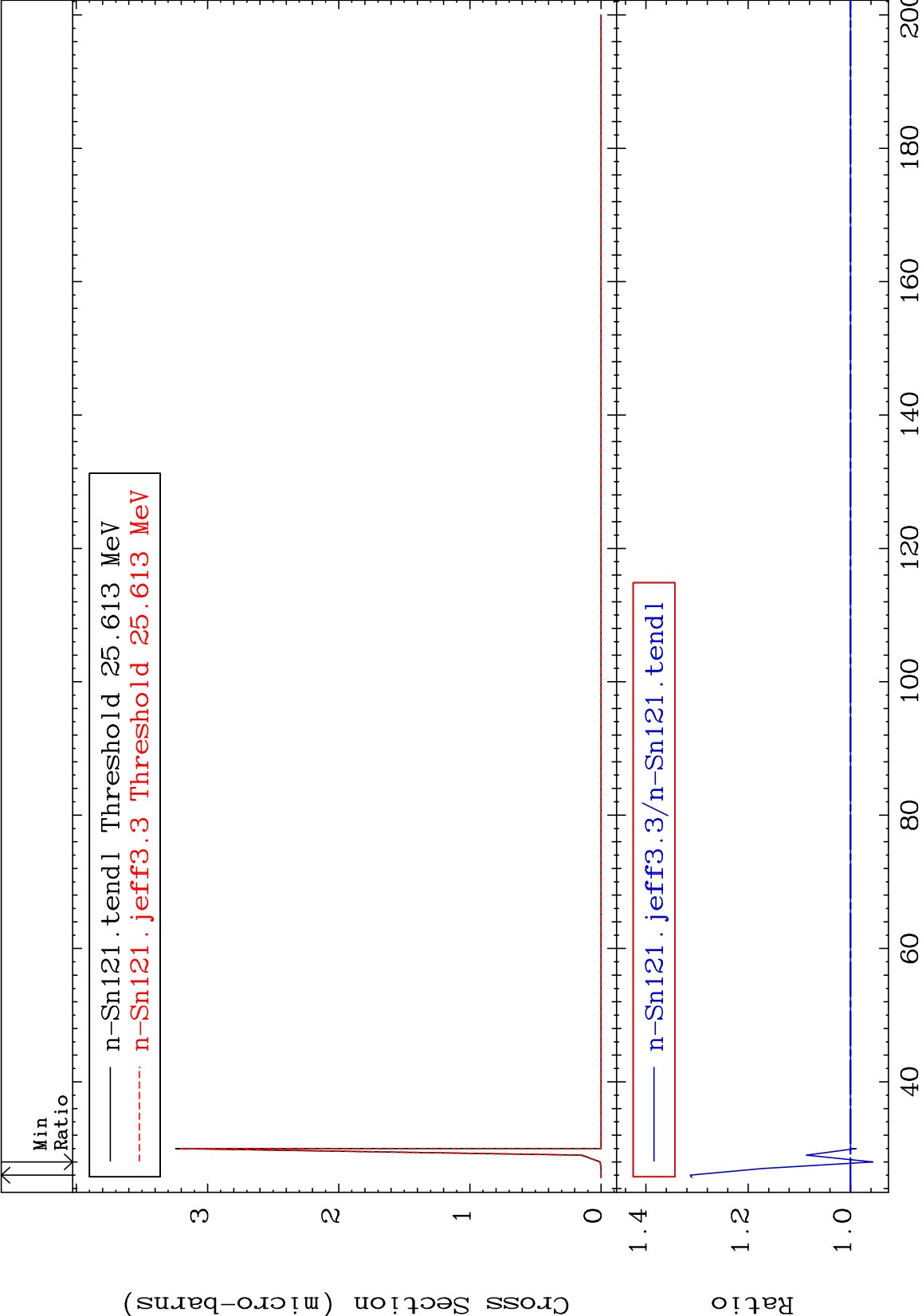
-55.53 To 0.000 %











MAT 5052

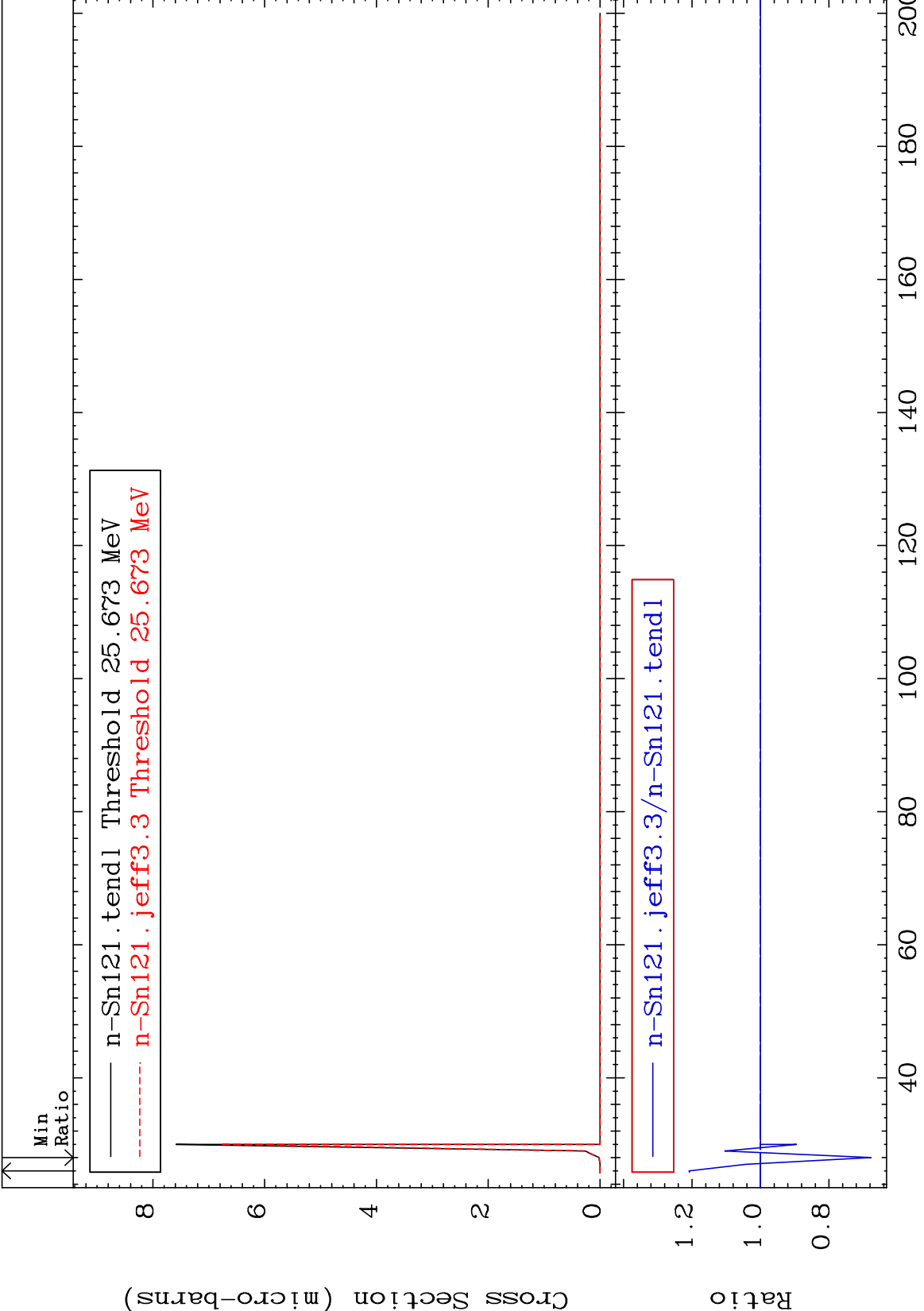
(n,3n) p:49-In-118m1

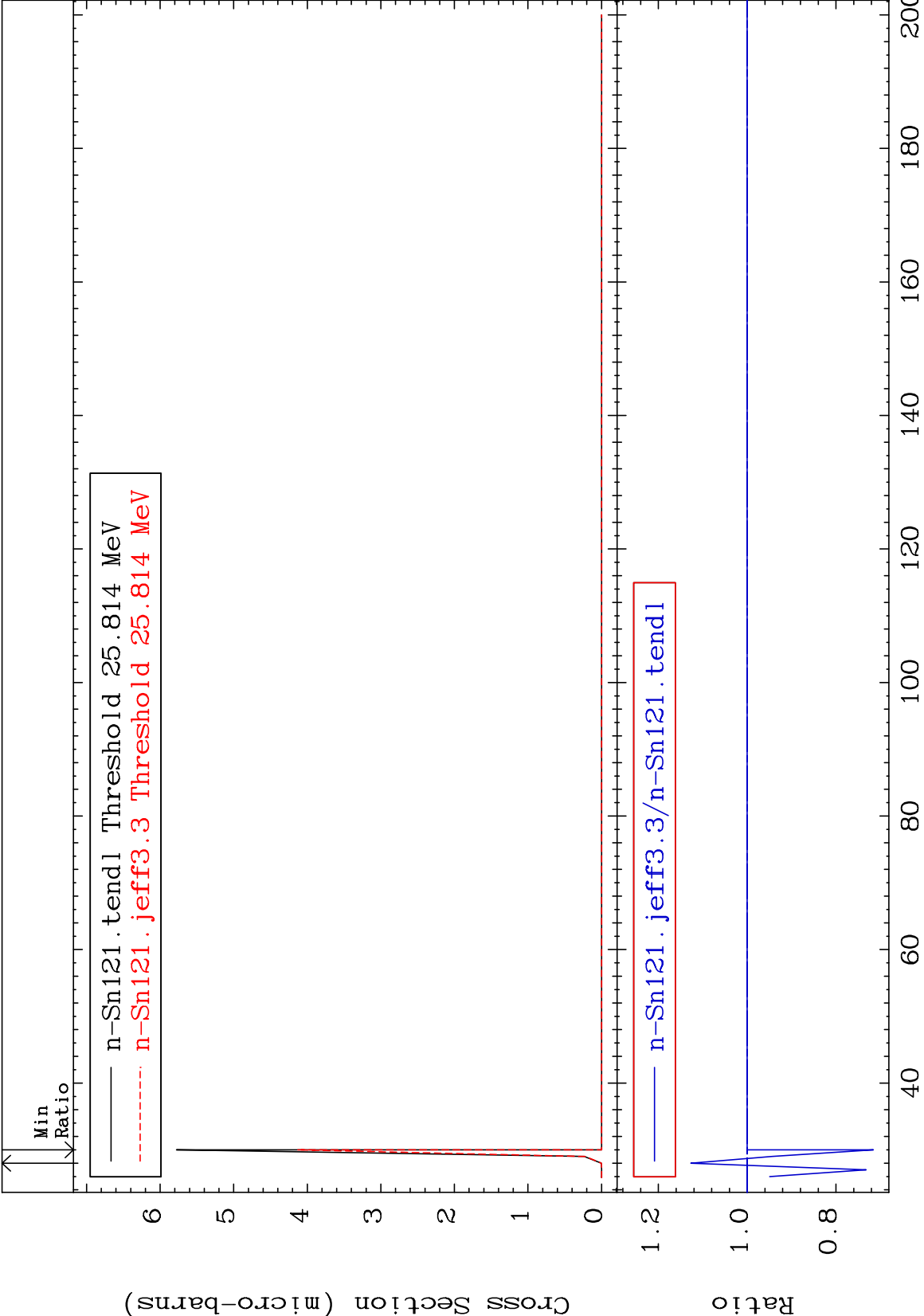
50-Sn-121

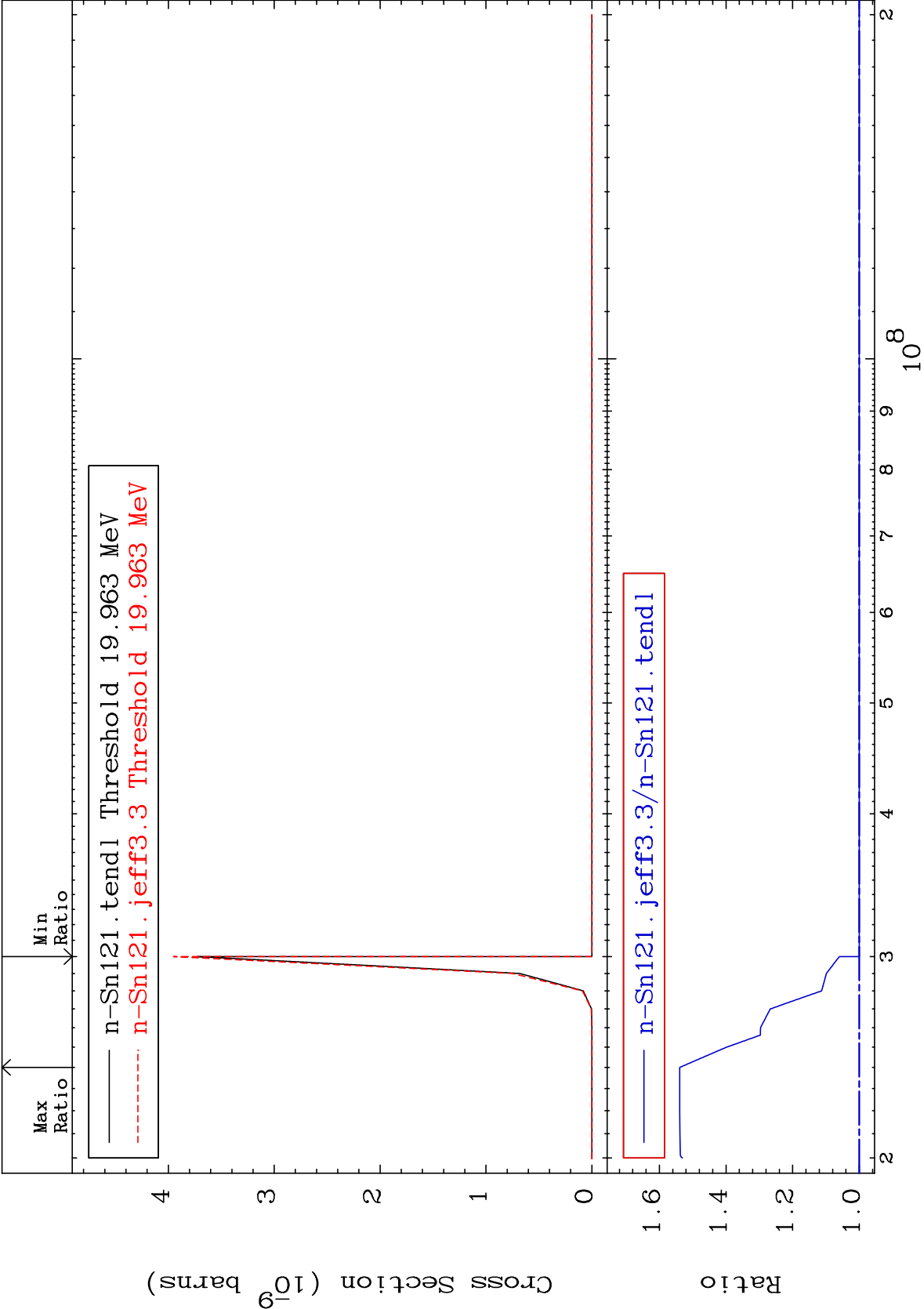
Radionuclide Production Cross Section

-32.31

To 20.86 %







MAT 5052

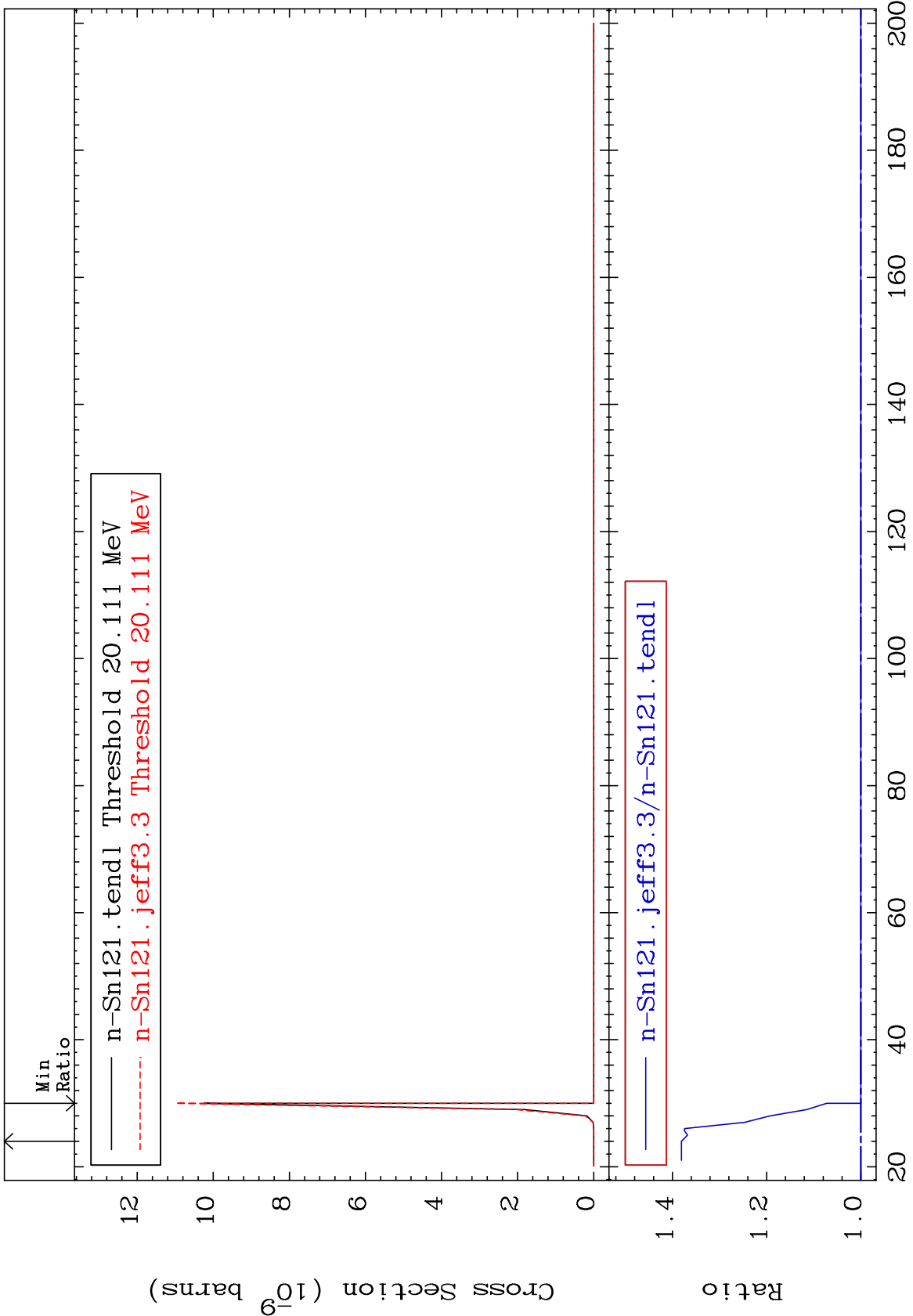
(n,2n) p:48-Cd-119m2

50-Sn-121

Radionuclide Production Cross Section

0.000

To 38.07 %



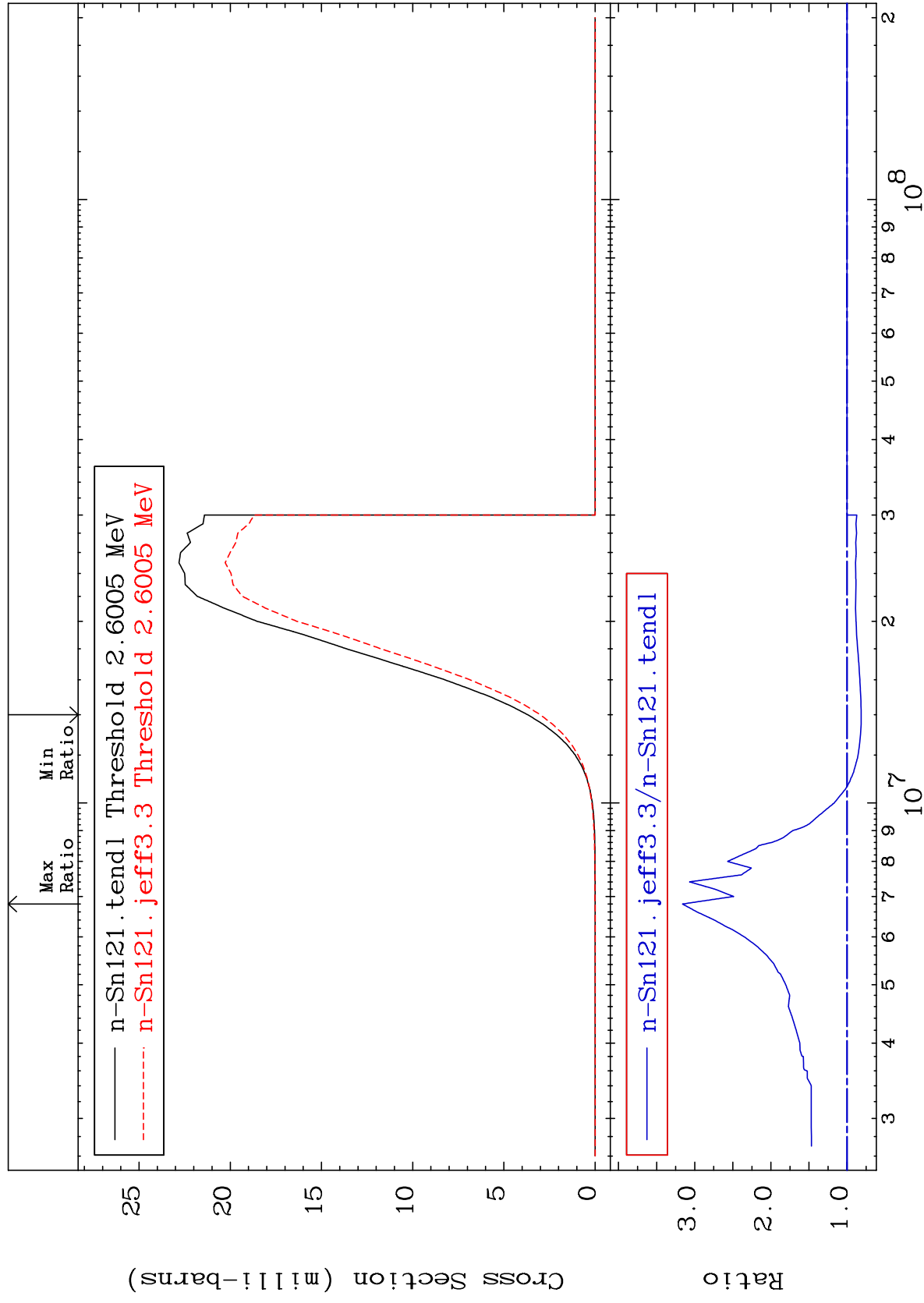
50-Sn-121

Incident Energy (MeV)

100

(n, p): 49-In-121g
50-Sn-121

-18.44 To 216.0 %



50-Sn-121

Incident Energy (eV)

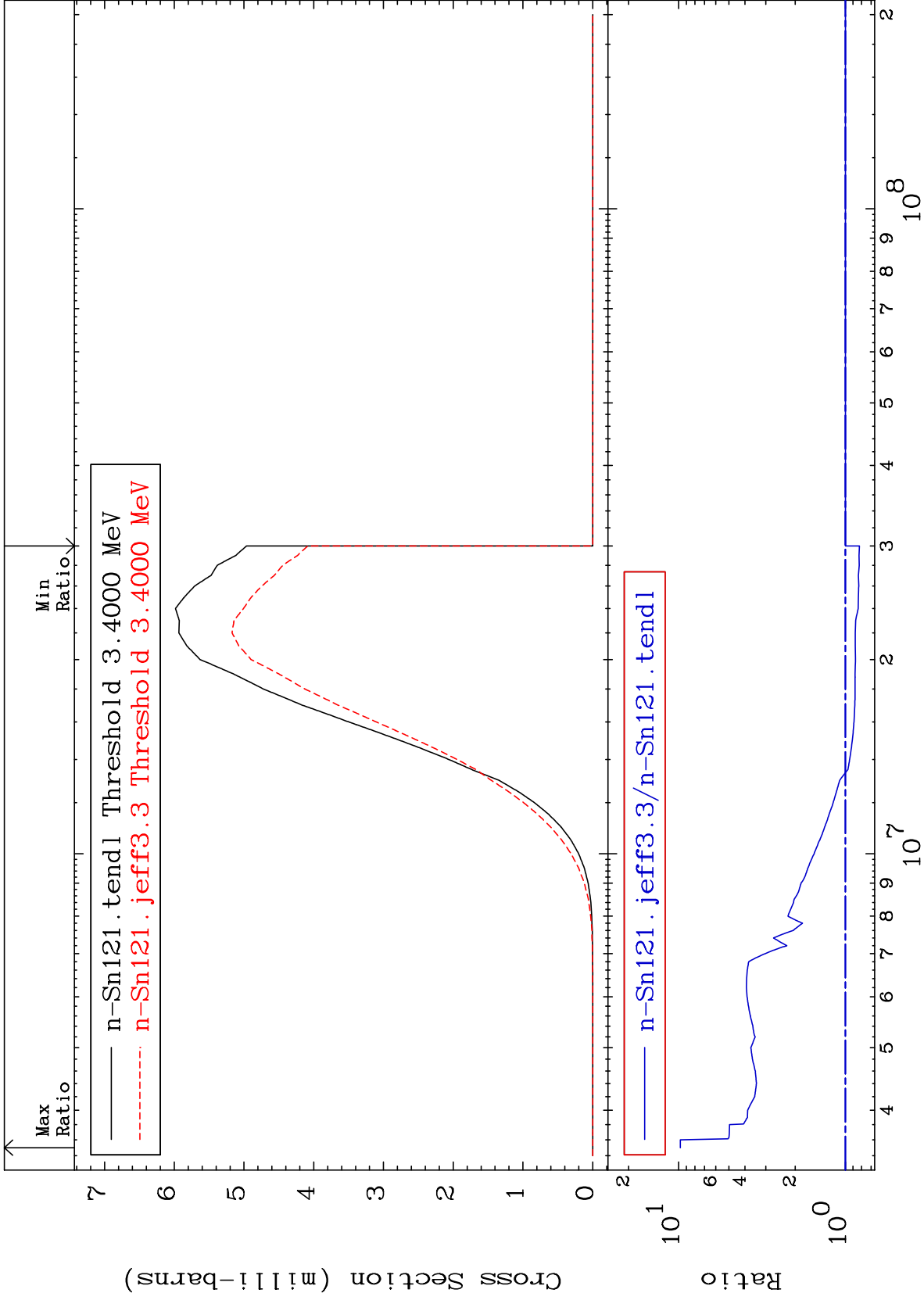
MAT 5052

(n,p):49-In-121m1

50-Sn-121

Radionuclide Production Cross Section

-17.67 To 877.2 %



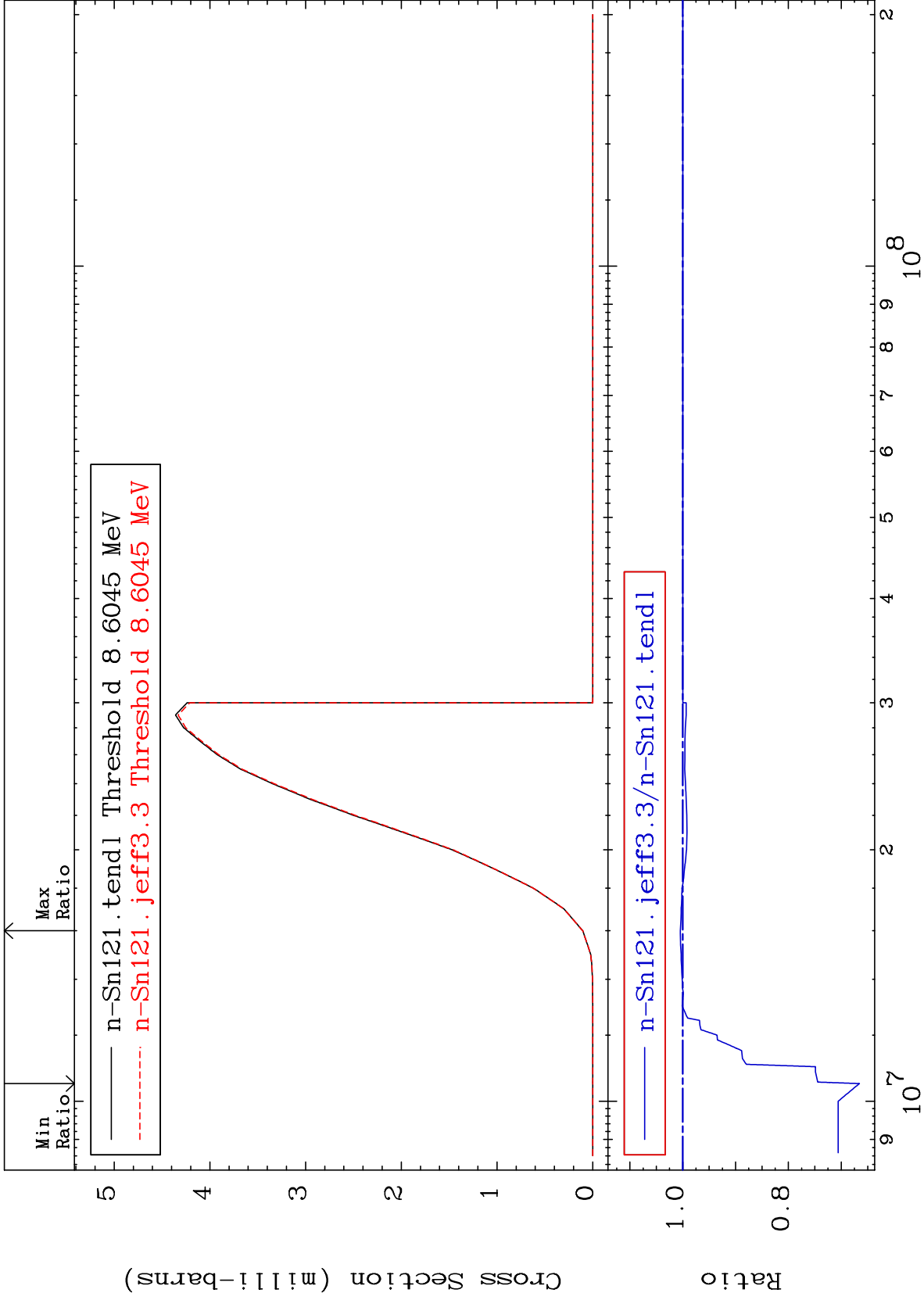
MAT 5052

(n,d):49-In-120g

50-Sn-121

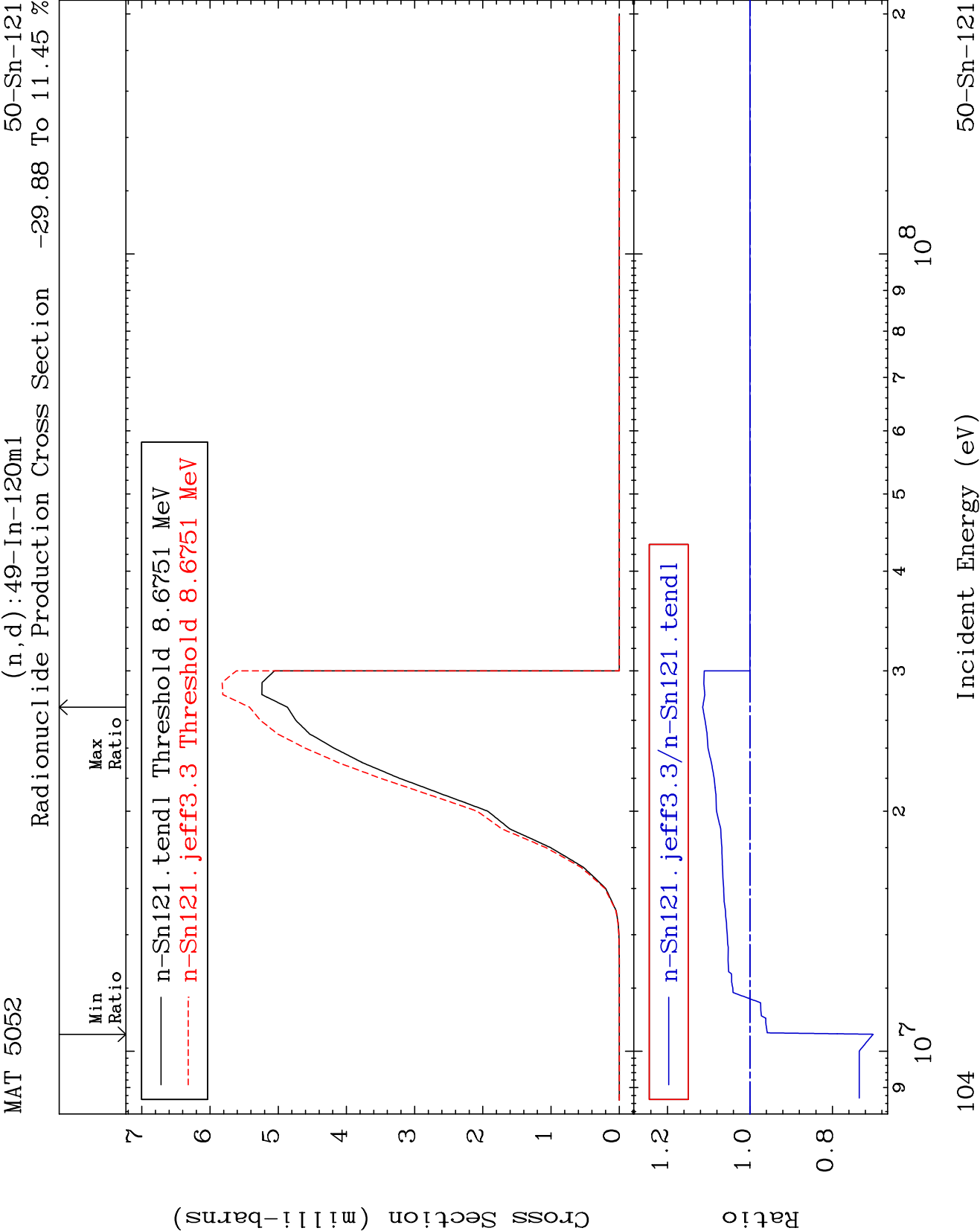
Radionuclide Production Cross Section

-33.44 To 0.449 %



Incident Energy (eV)

50-Sn-121



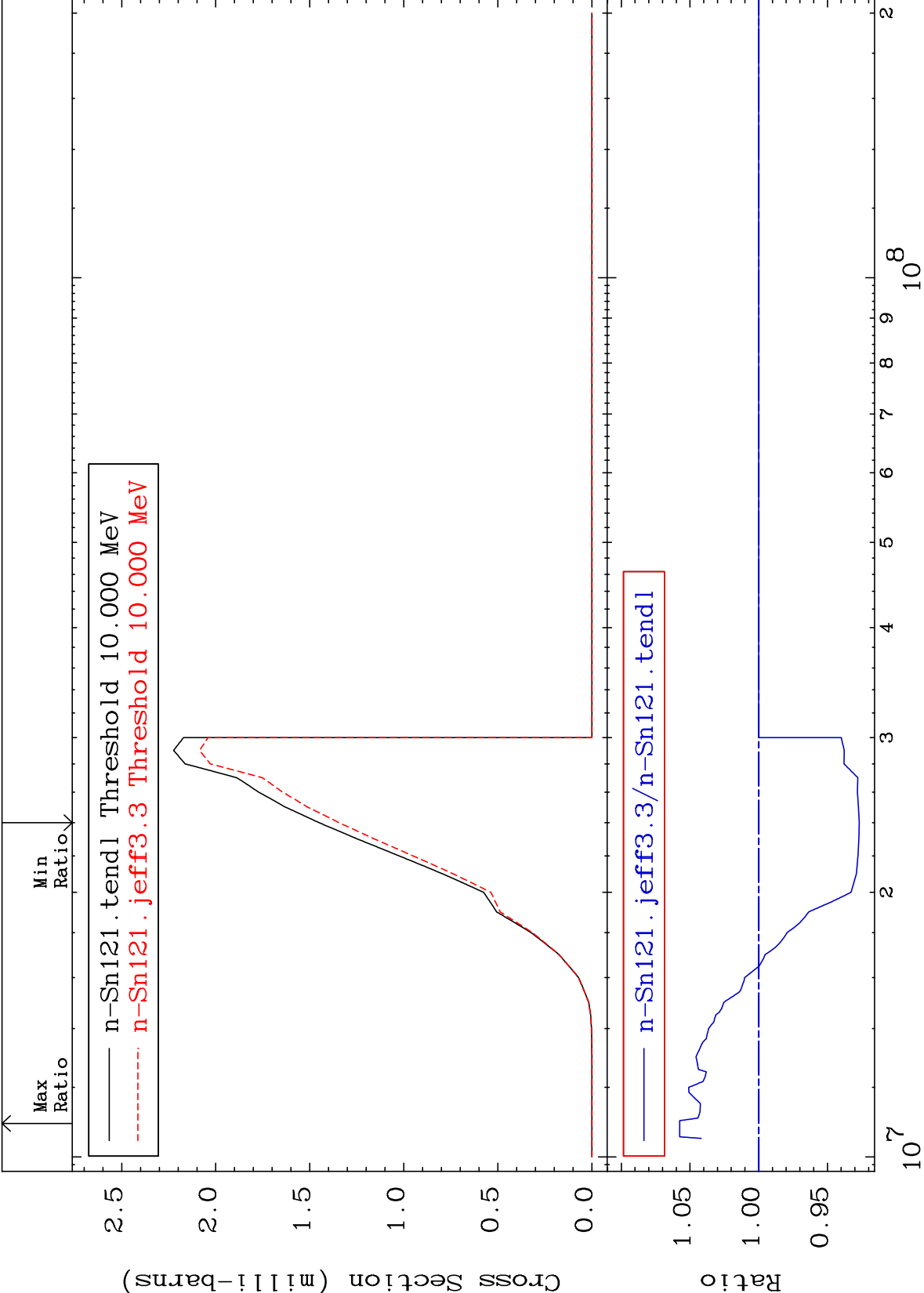
MAT 5052

(n,d):49-In-120m2

50-Sn-121

Radionuclide Production Cross Section

-7.316 To 5.746 %



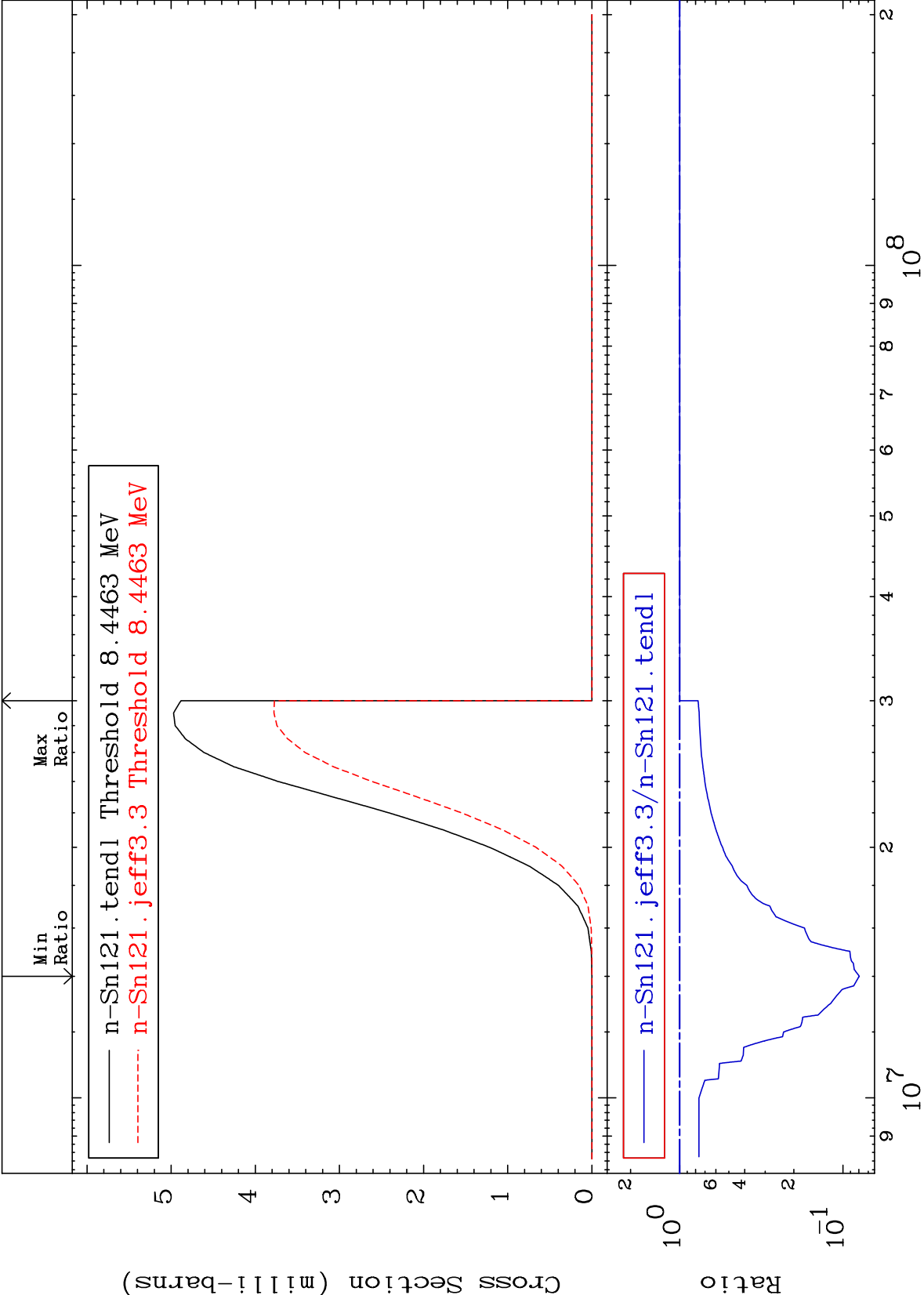
MAT 5052

(n,t):49-In-119g

50-Sn-121

Radionuclide Production Cross Section

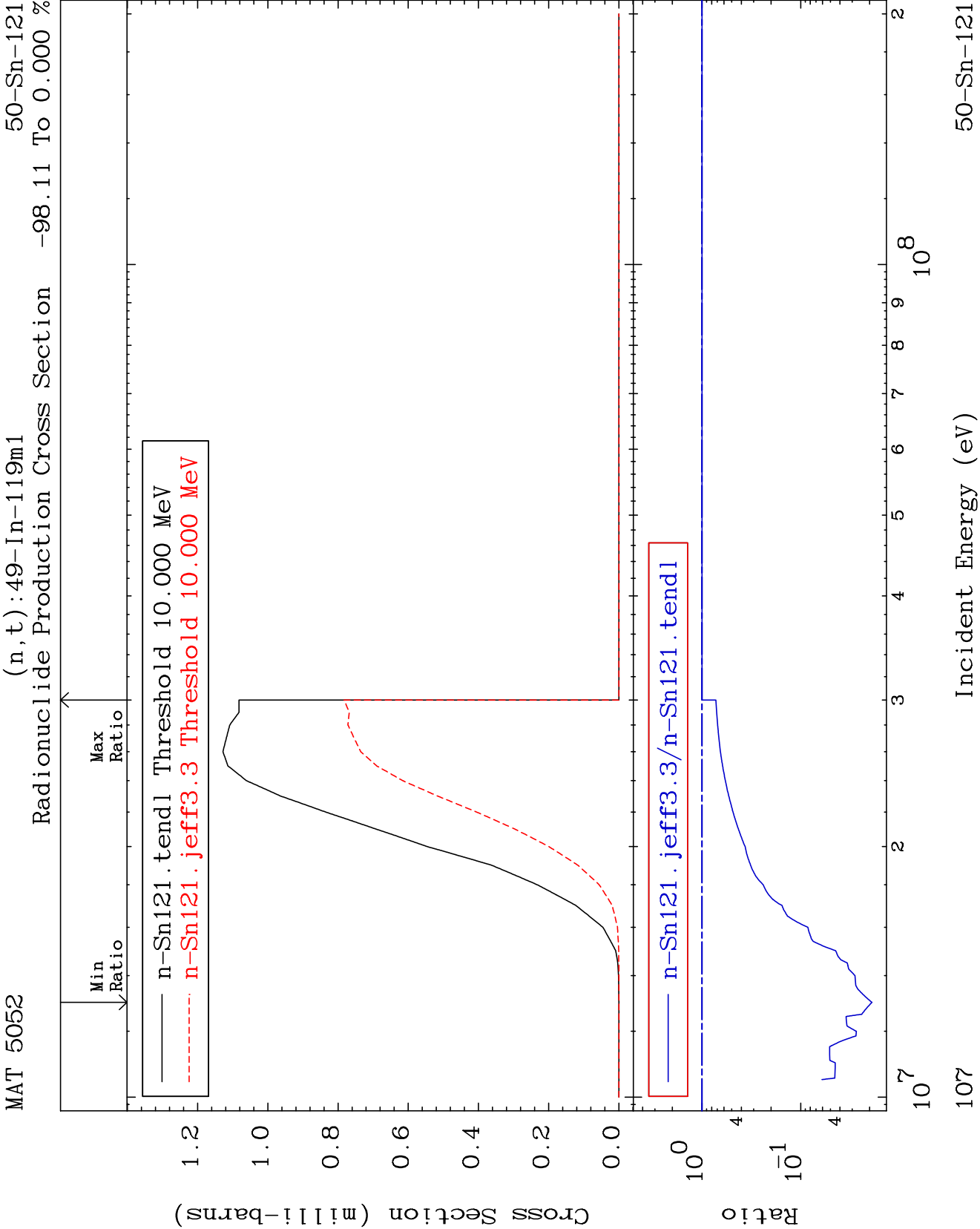
-92.05 To 0.000 %



106

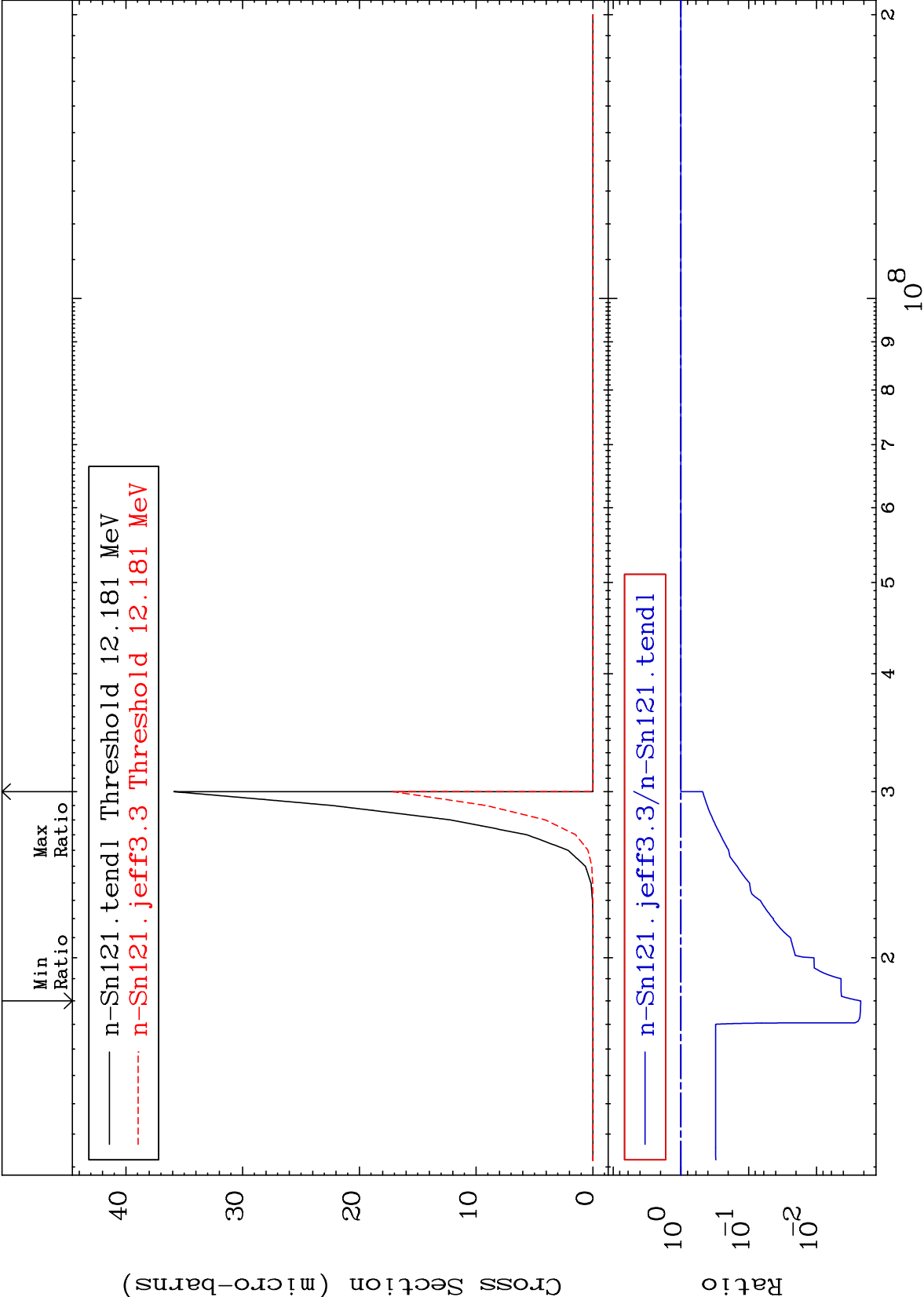
Incident Energy (eV)

50-Sn-121

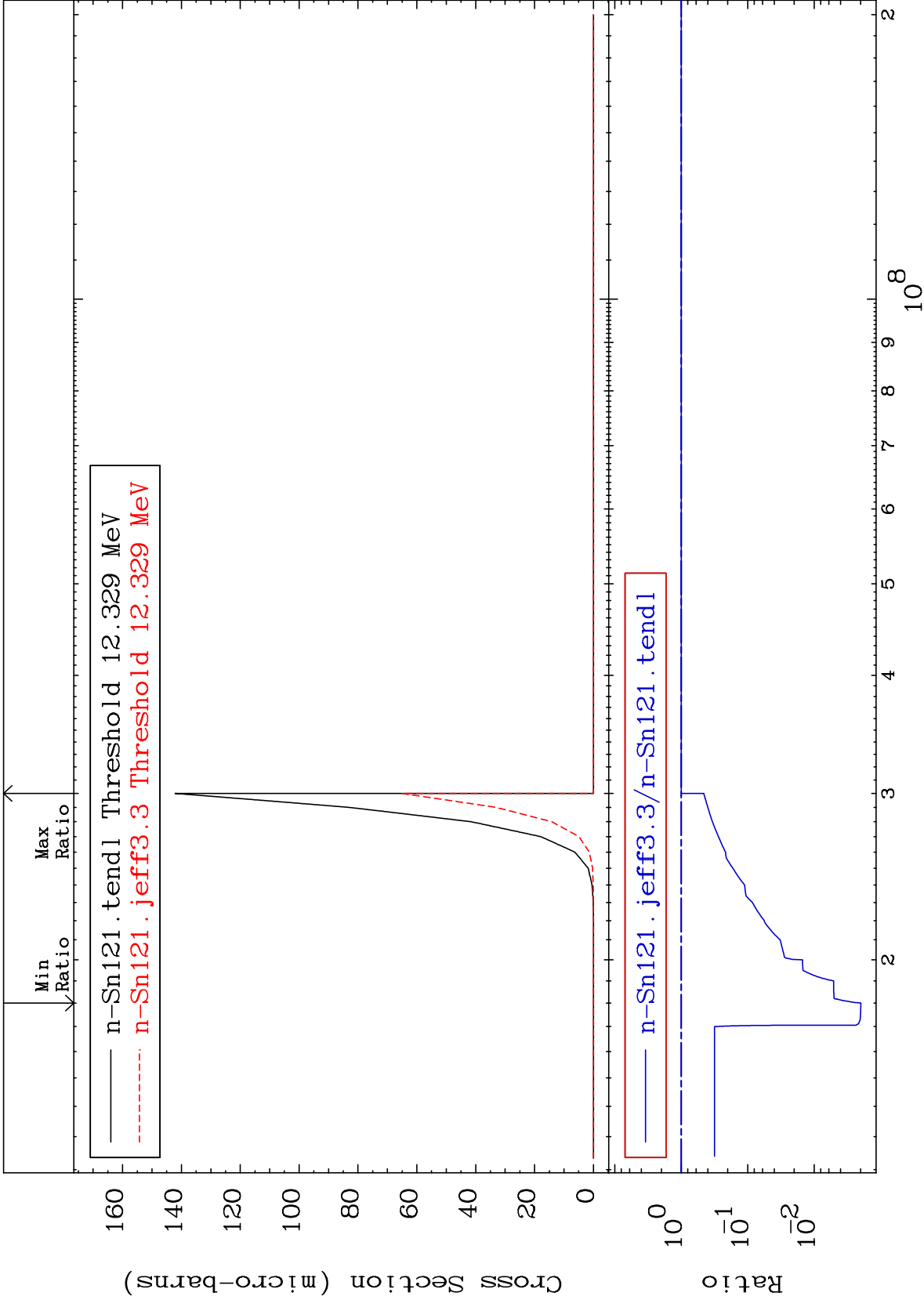


Radionuclide Production Cross Section

-99.78 To 0.000 %

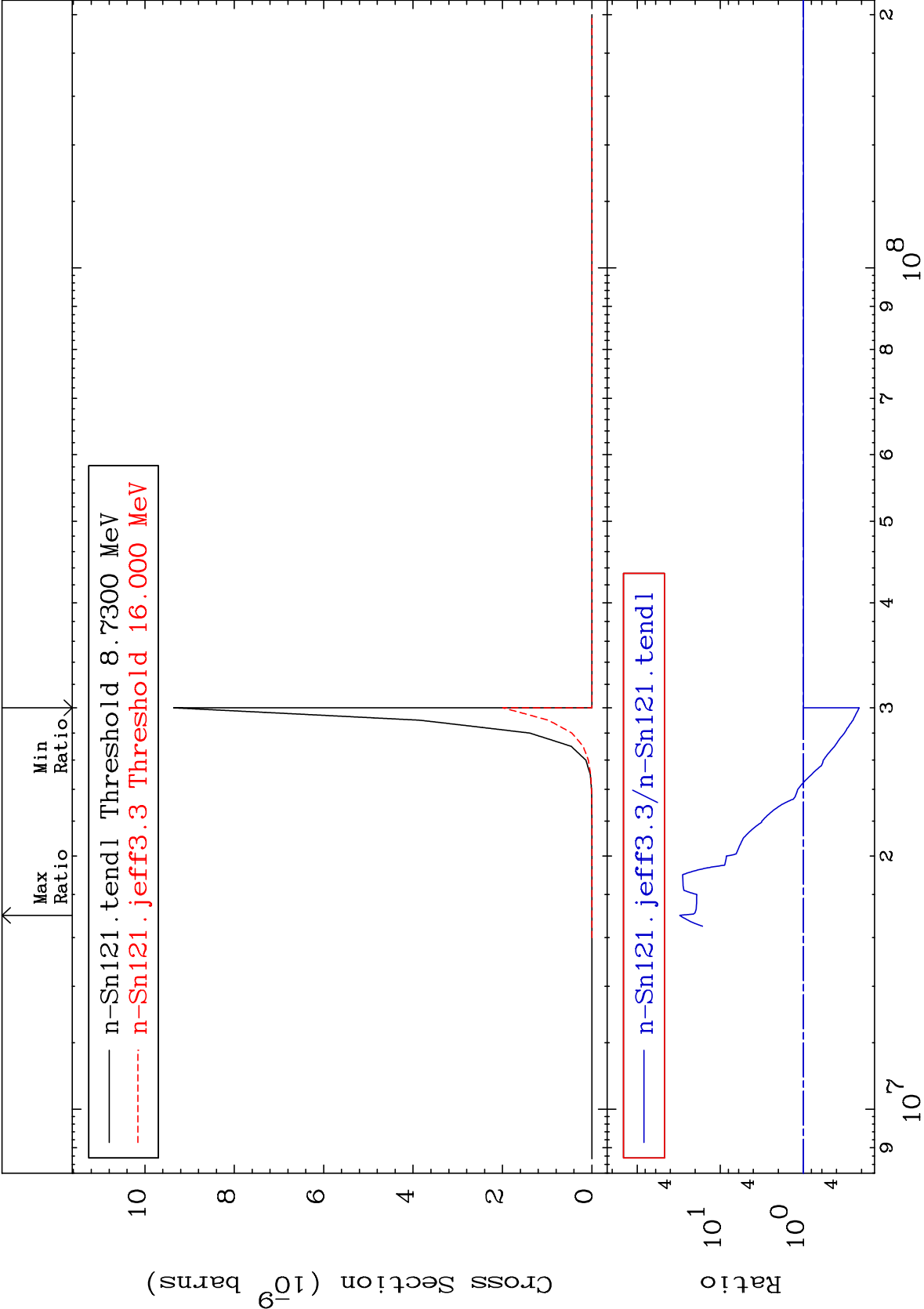


Radionuclide Production Cross Section -99.80 To 0.000 %



MAT 5052

(n,p) α :47-Ag-117g 50-Sn-121
Radionuclide Production Cross Section -78.74 To 2974. %



50-Sn-121

Incident Energy (eV)

110

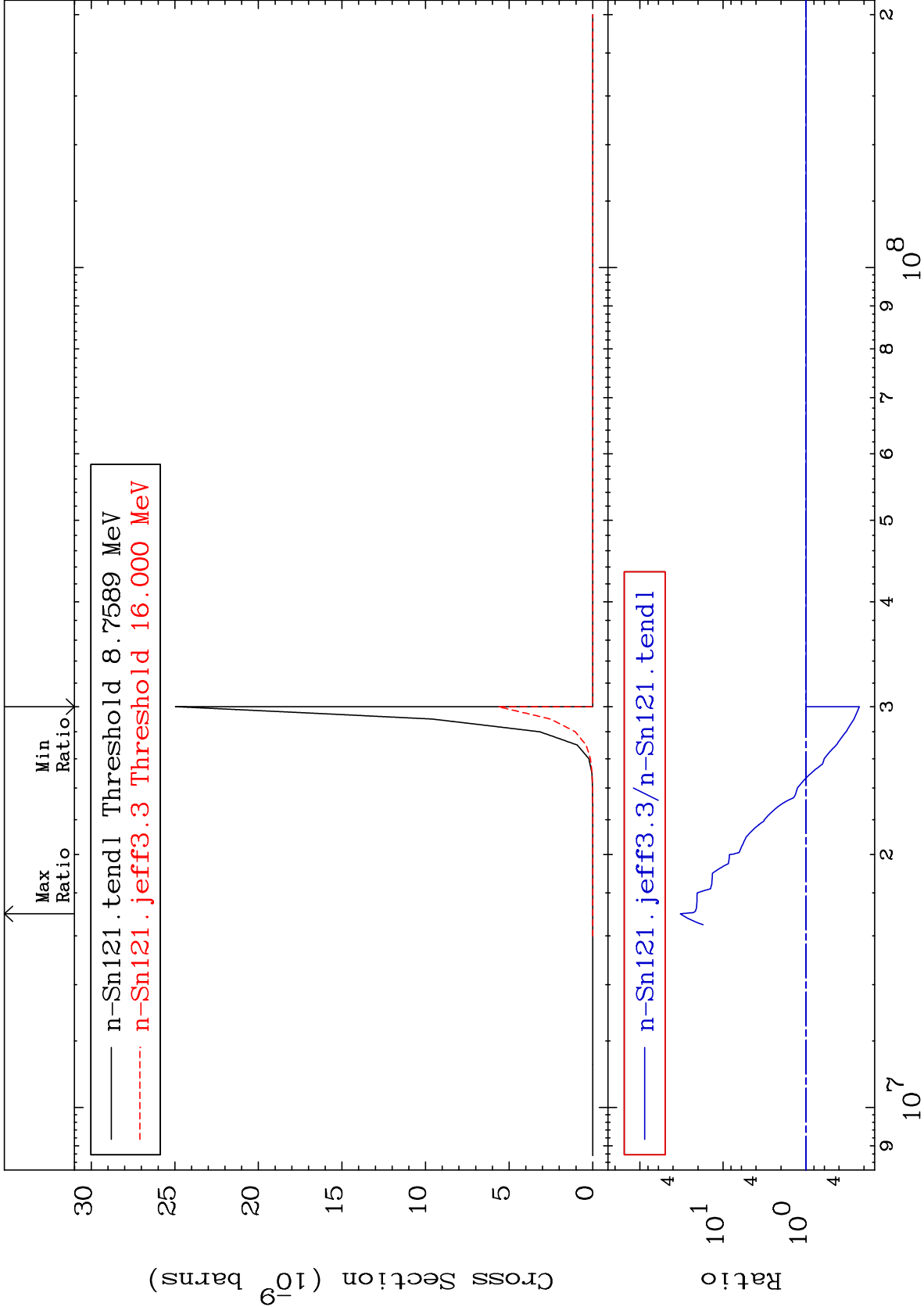
MAT 5052

(n,p) α :47-Ag-117m1

50-Sn-121

Radionuclide Production Cross Section

-77.28 To 3160. %



111

Incident Energy (eV)

50-Sn-121