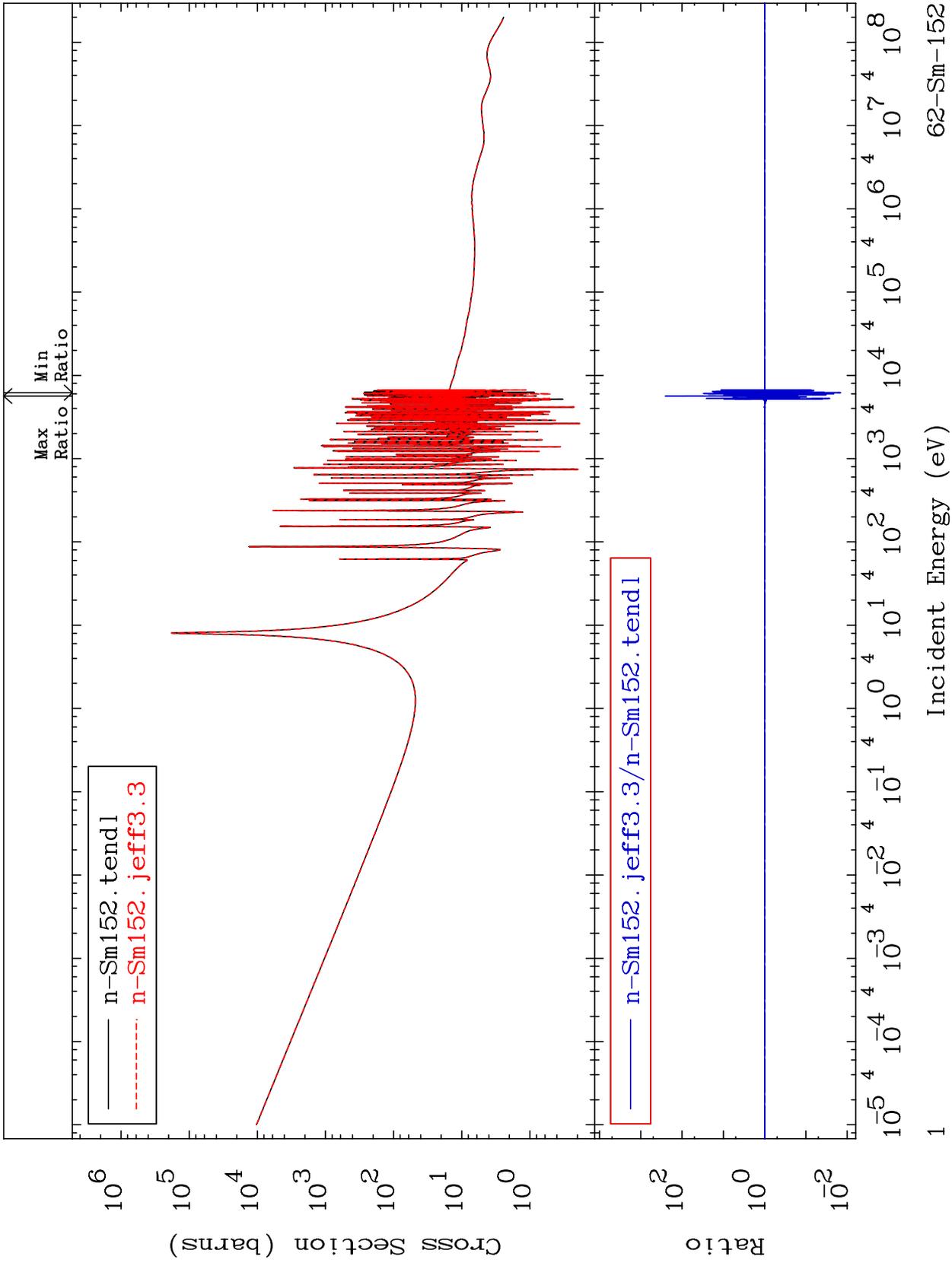


MAT 6249

Total Cross Section
62-Sm-152
-98.58 To 9999. %

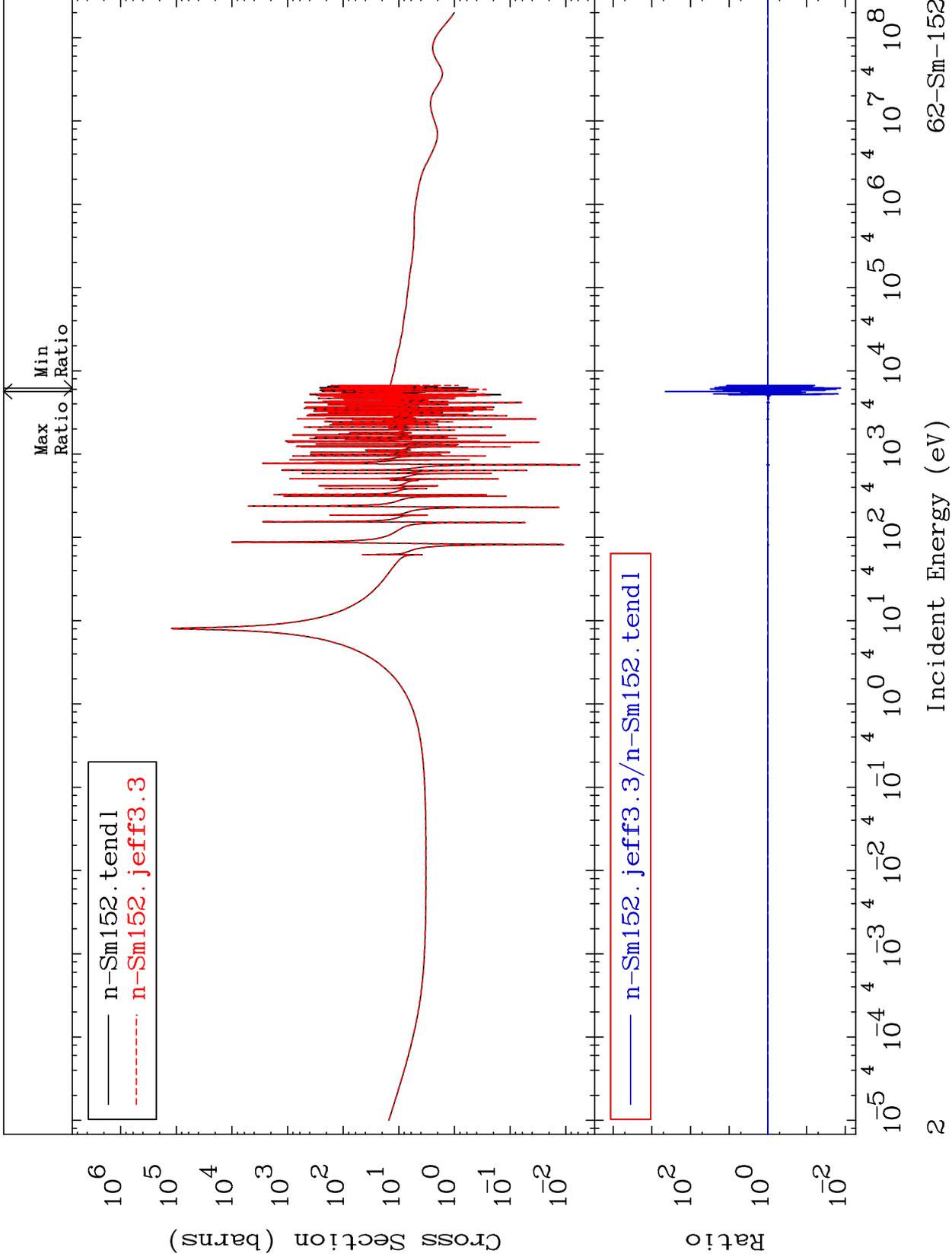


62-Sm-152

MAT 6249

Elastic
Cross Section

62-Sm-152
-98.69 To 9999. %



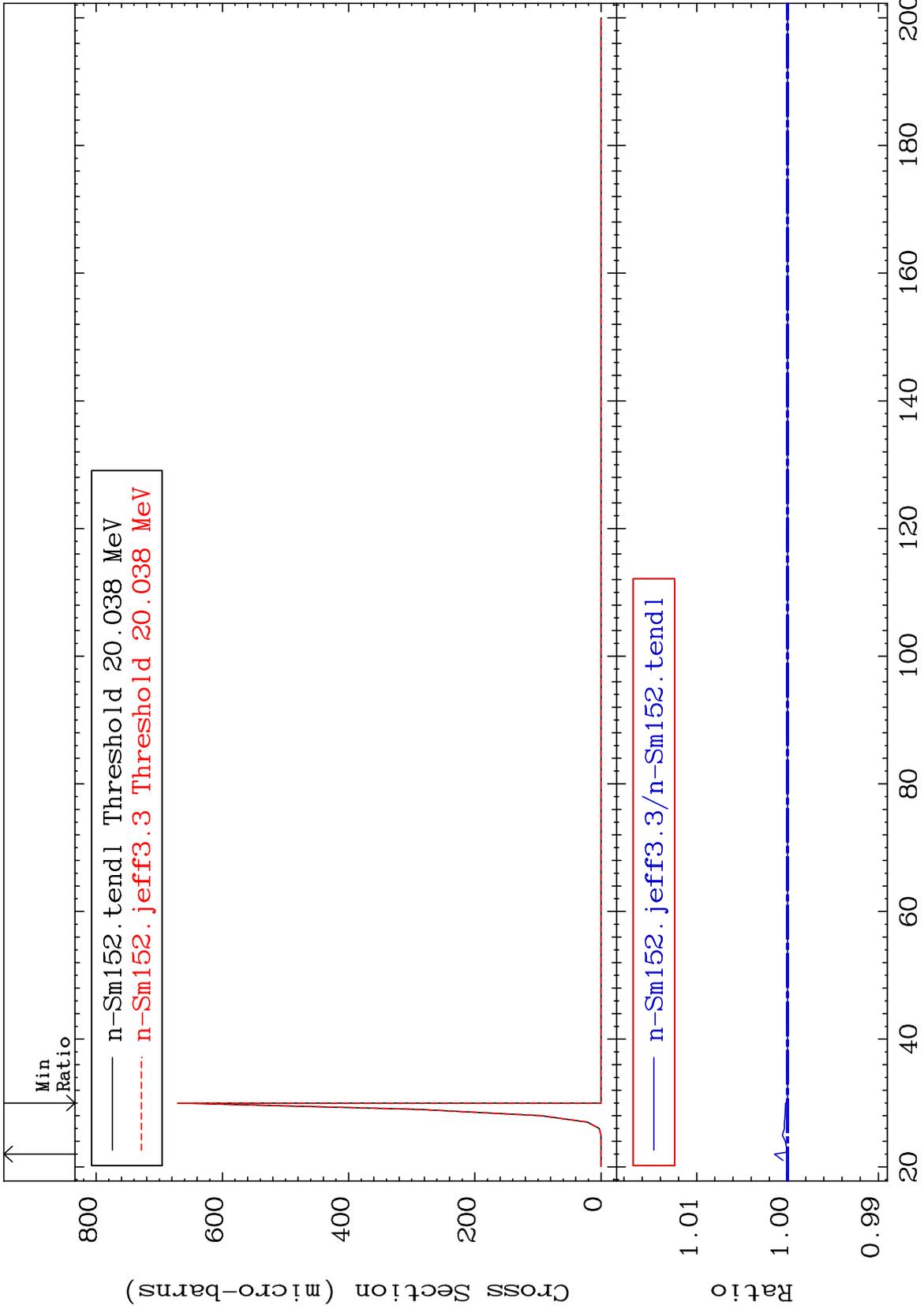
MAT 6249

(n,2n) d

62-Sm-152

Cross Section

0.000 To 0.145 %



Incident Energy (MeV)

62-Sm-152

3

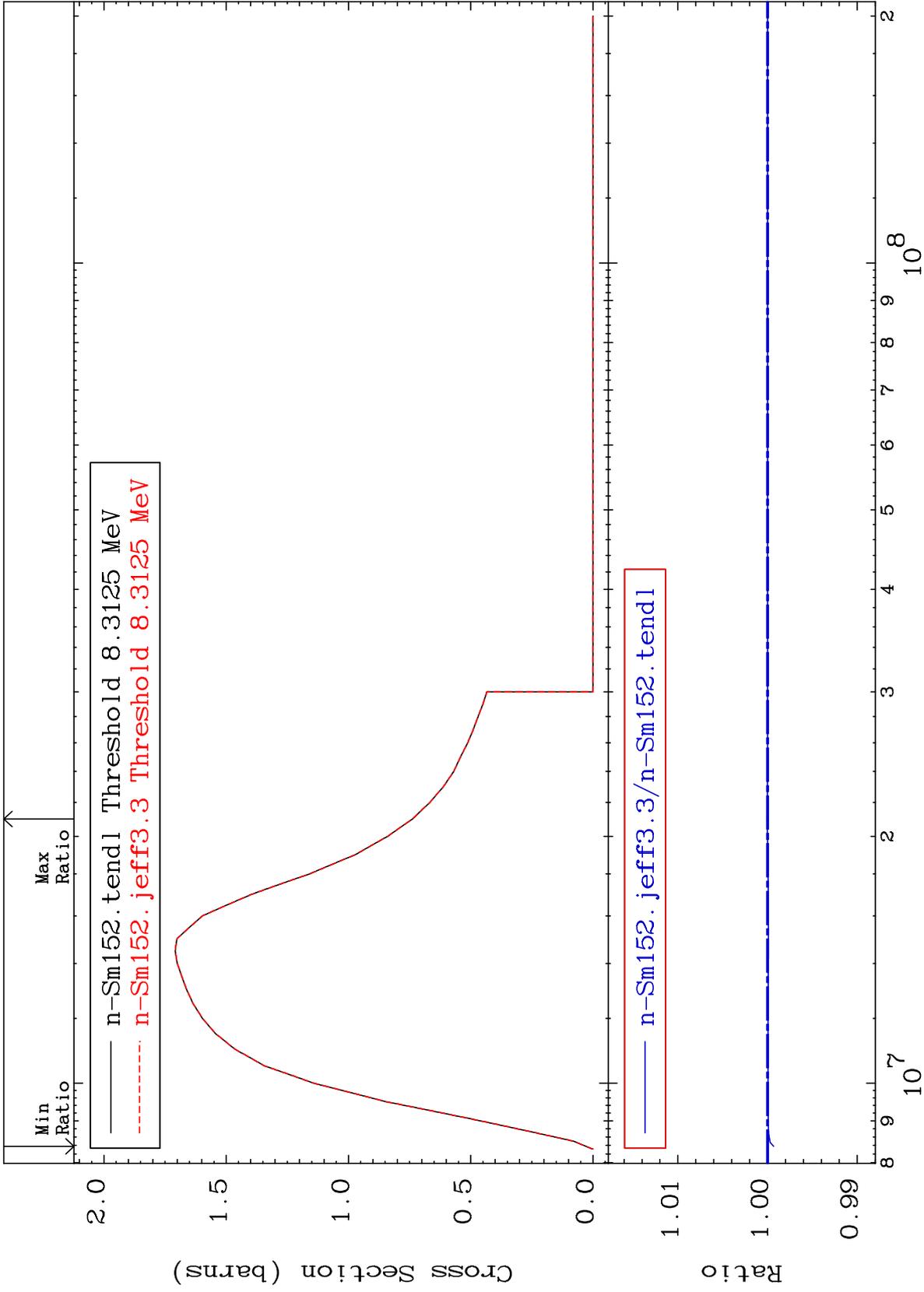
MAT 6249

(n,2n)

62-Sm-152

Cross Section

-0.067 To 0.003 %

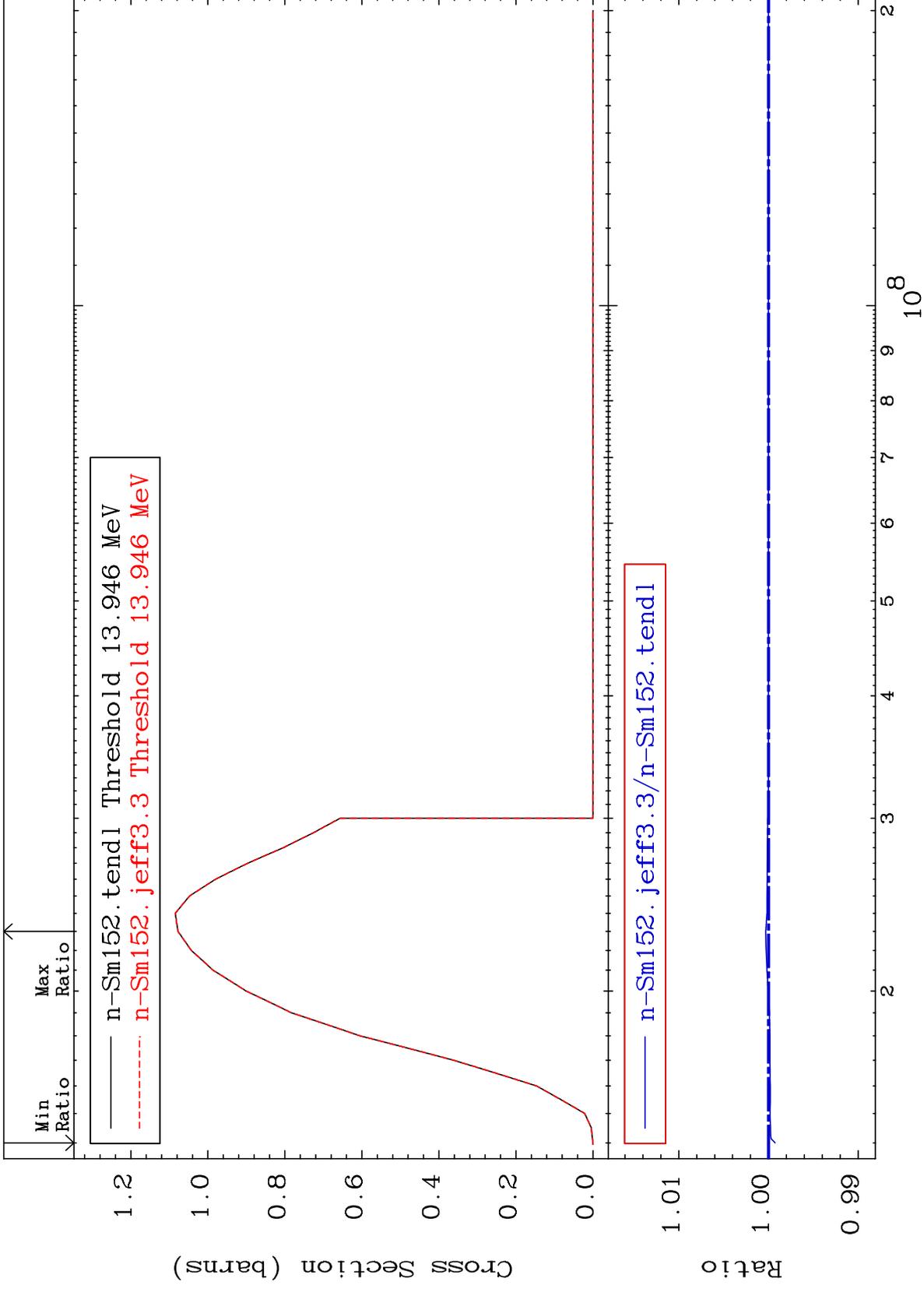


Incident Energy (eV)

62-Sm-152

Cross Section

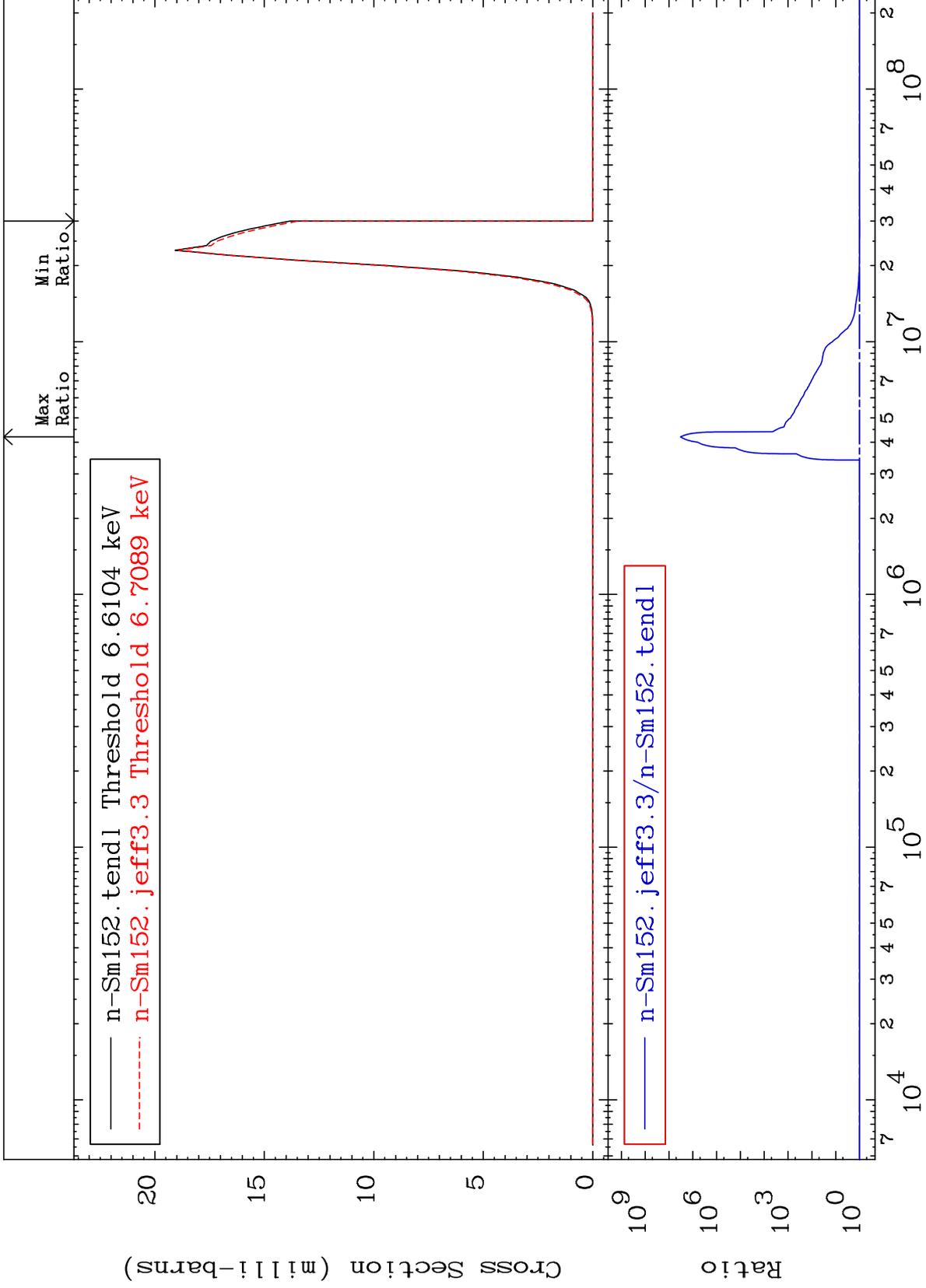
-0.074 To 0.031 %



MAT 6249

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

62-Sm-152
-2.698 To 9999. %



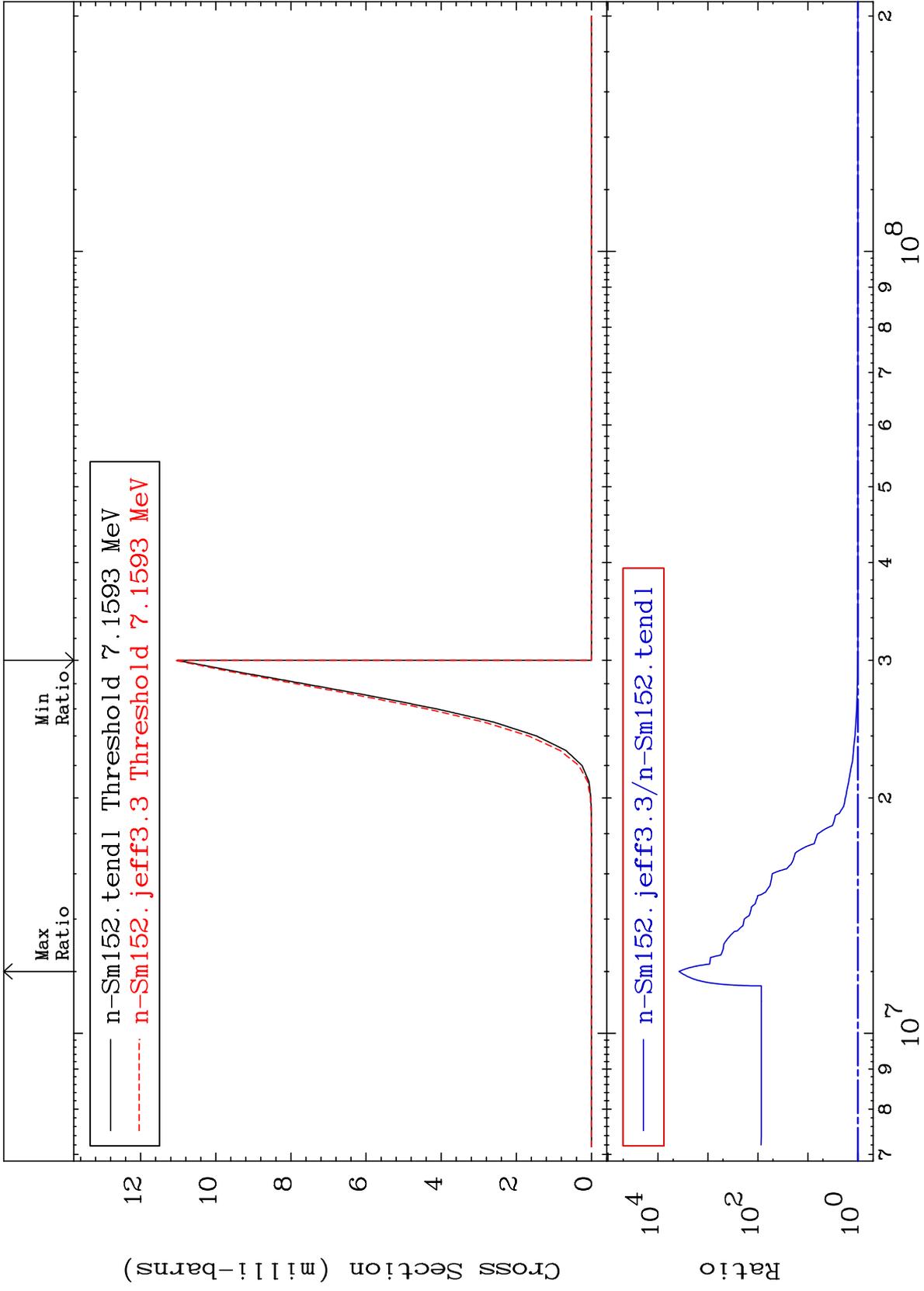
6

Incident Energy (eV)

62-Sm-152

MAT 6249

(n,2n) α
Cross Section
62-Sm-152
To 9999. %
0.000



7

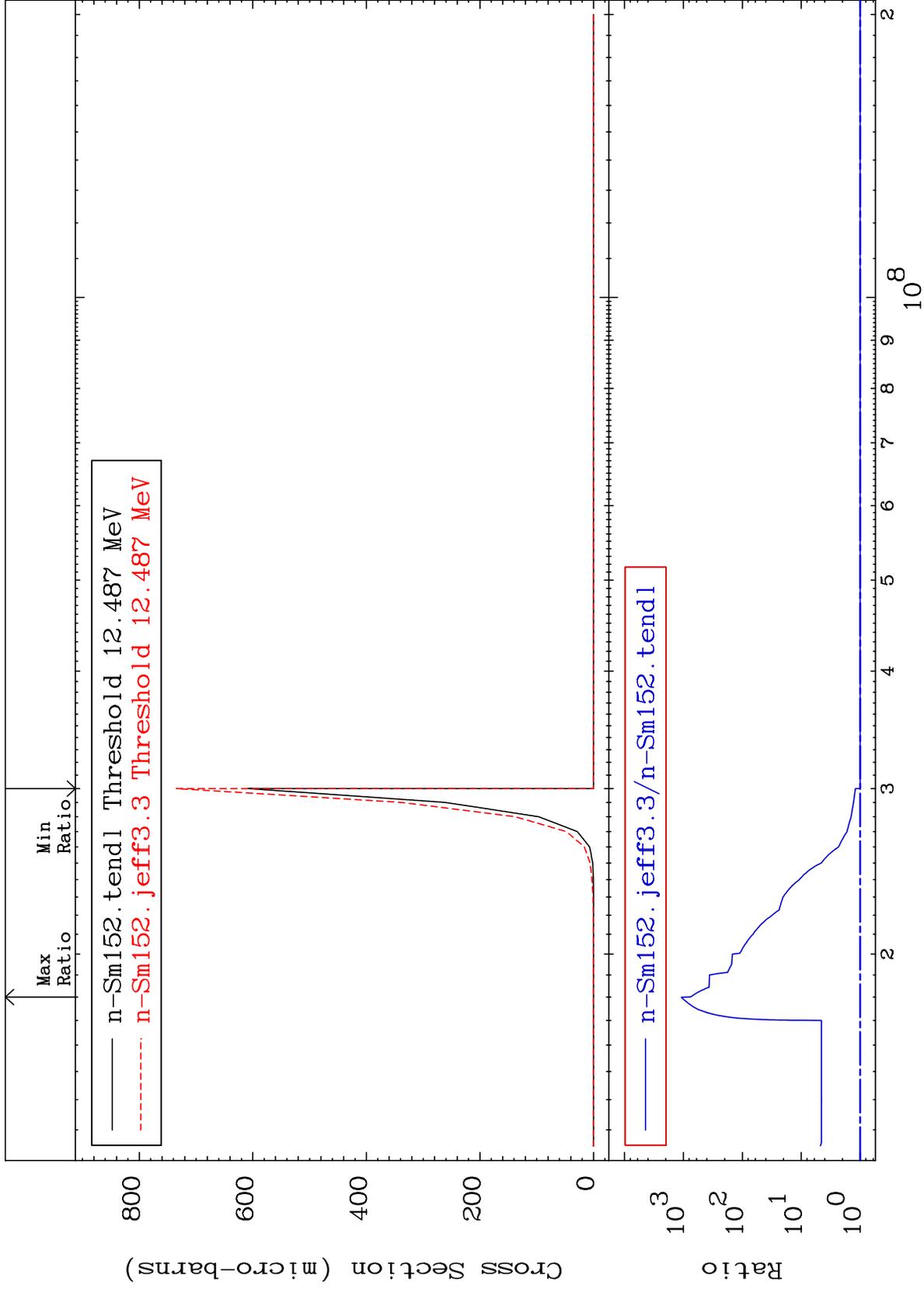
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,3n) α
Cross Section

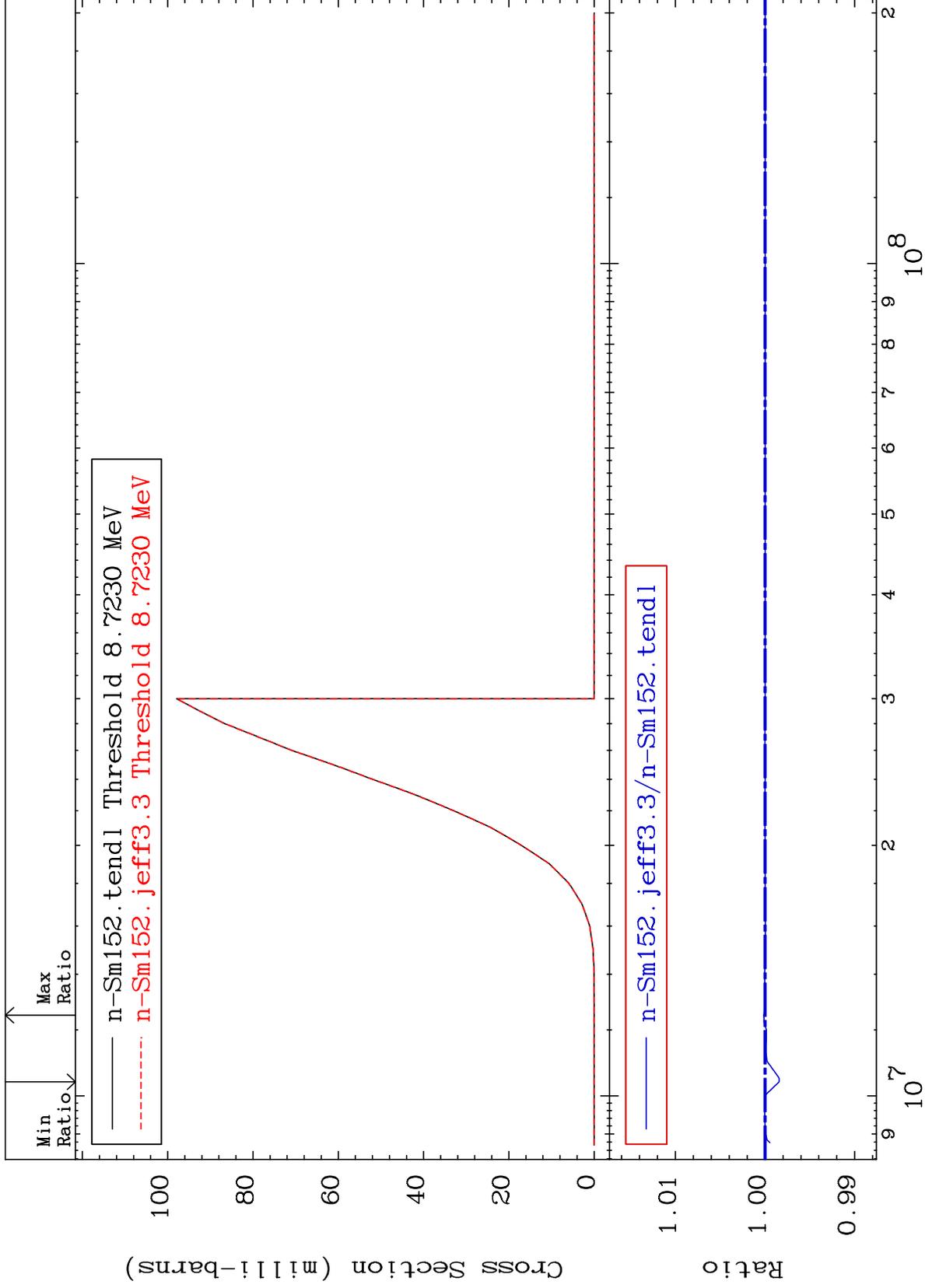
62-Sm-152
To 9999. %



MAT 6249

(n,n') p
Cross Section

62-Sm-152
-0.158 To 0.014 %



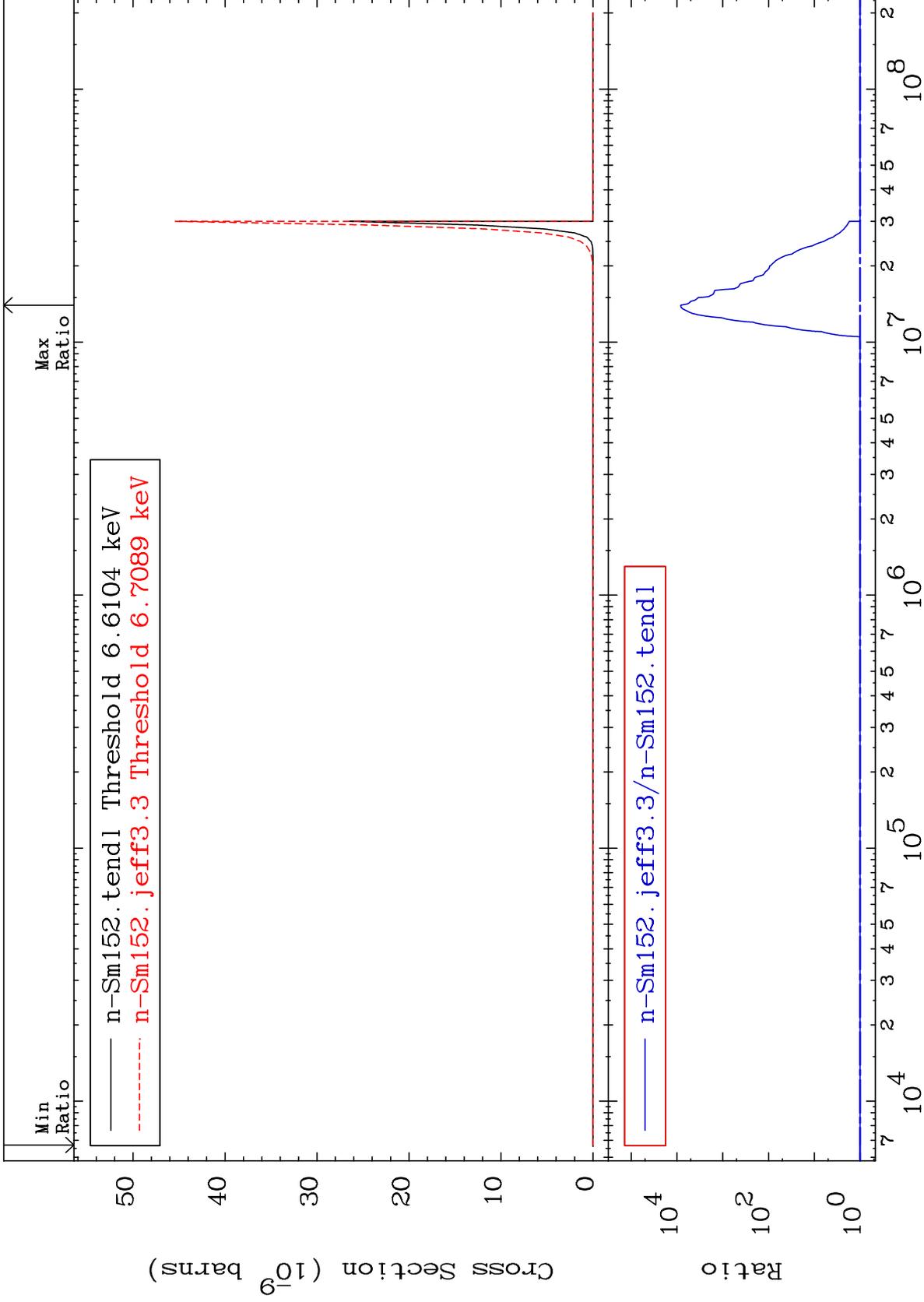
62-Sm-152

9

MAT 6249

(n, n') 2α
Cross Section

62-Sm-152
To 9999. %



10

Incident Energy (eV)

62-Sm-152

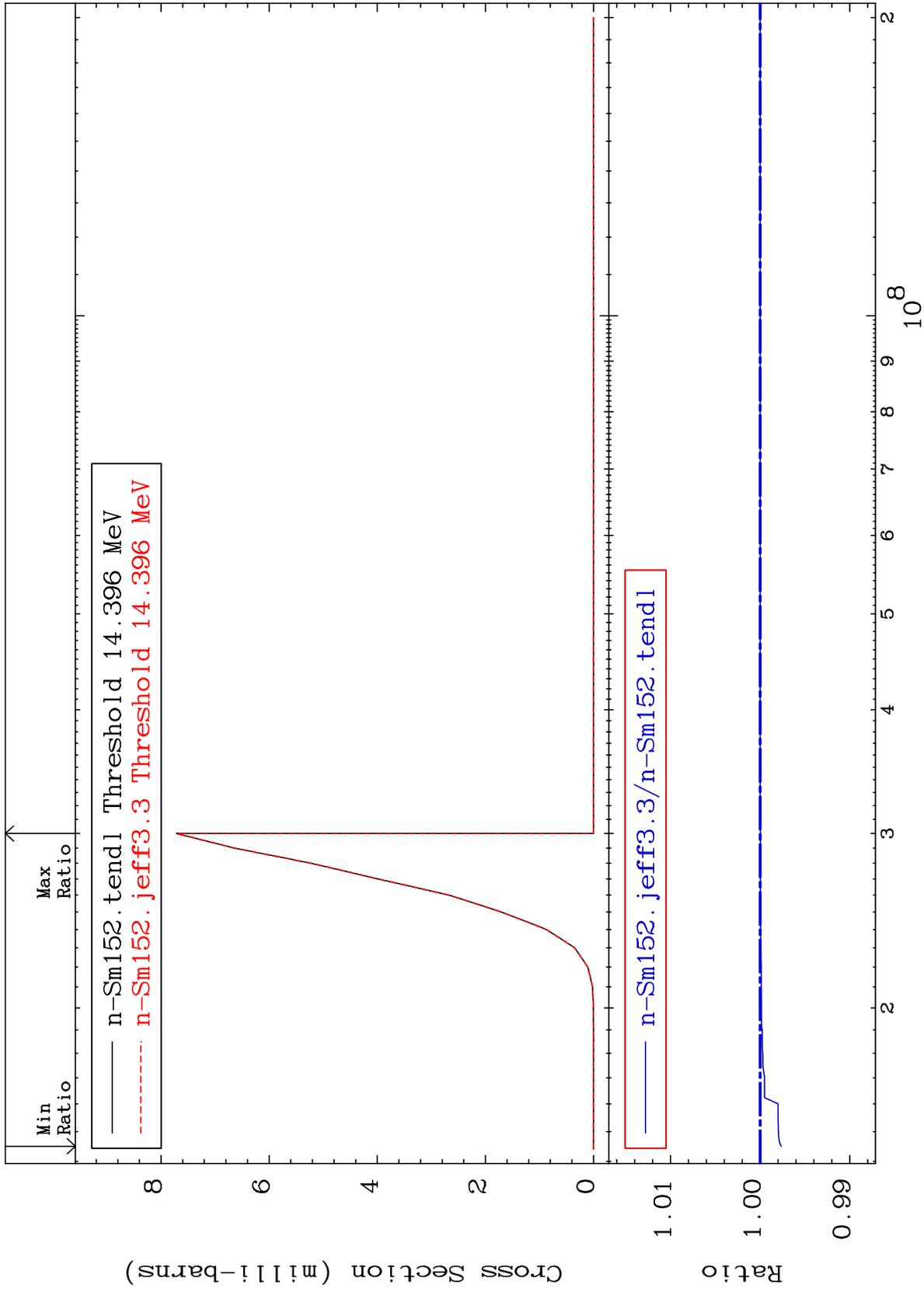
MAT 6249

(n,n') d

62-Sm-152

Cross Section

-0.236 To 0.000 %



11

Incident Energy (eV)

62-Sm-152

MAT 6249

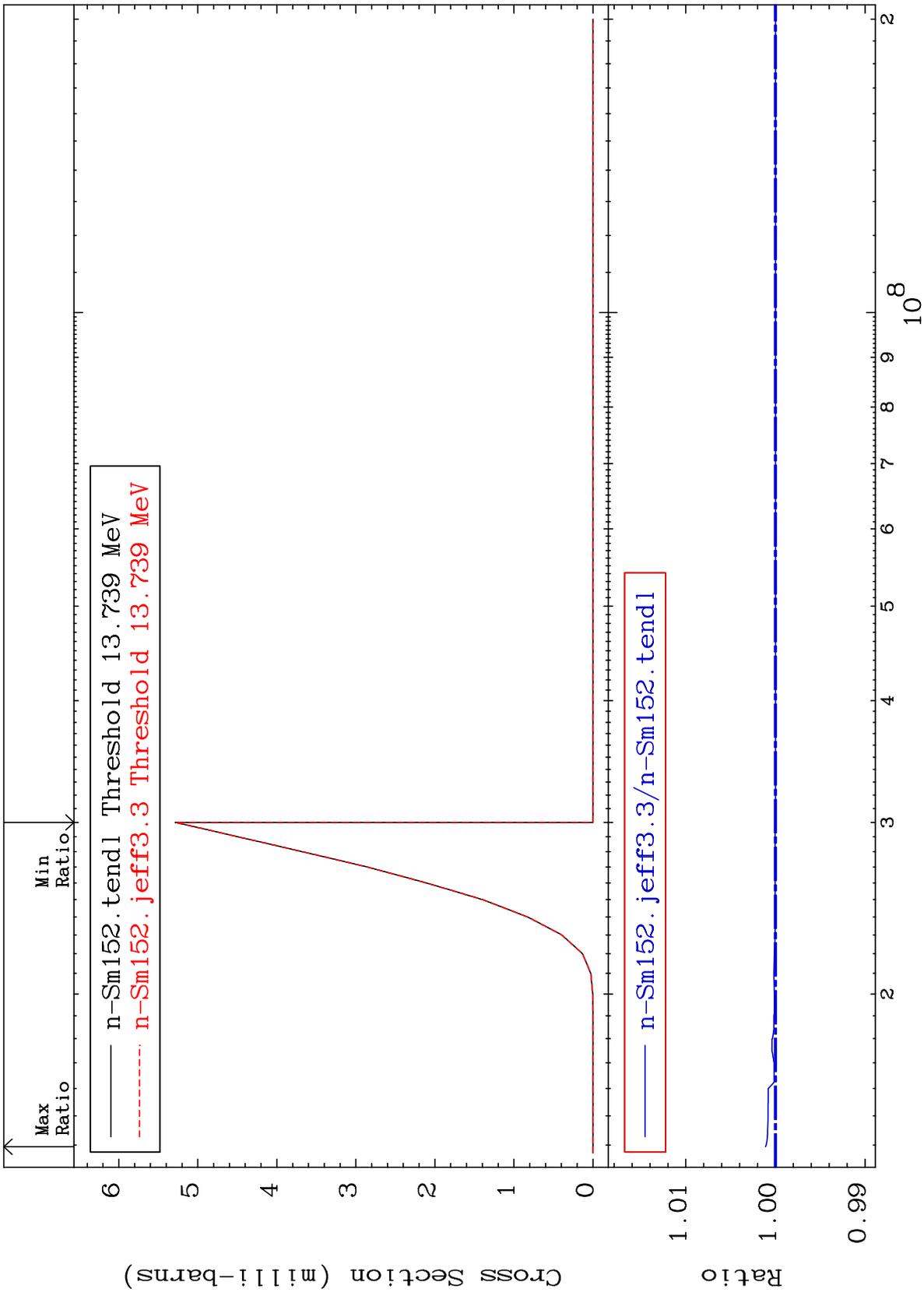
(n,n') t

62-Sm-152

Cross Section

0.000

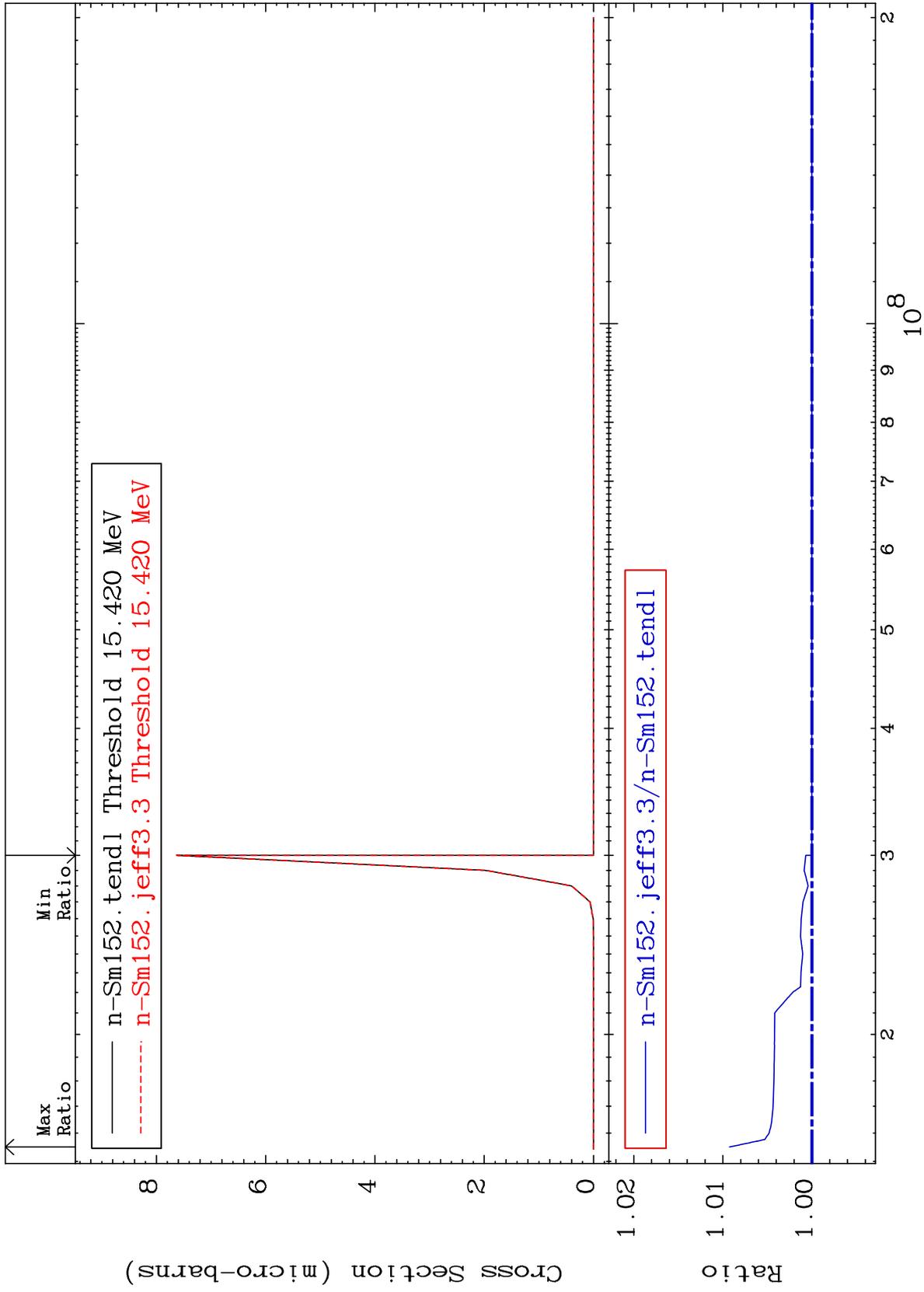
To 0.111 %



MAT 6249

(n, n') He-3
Cross Section

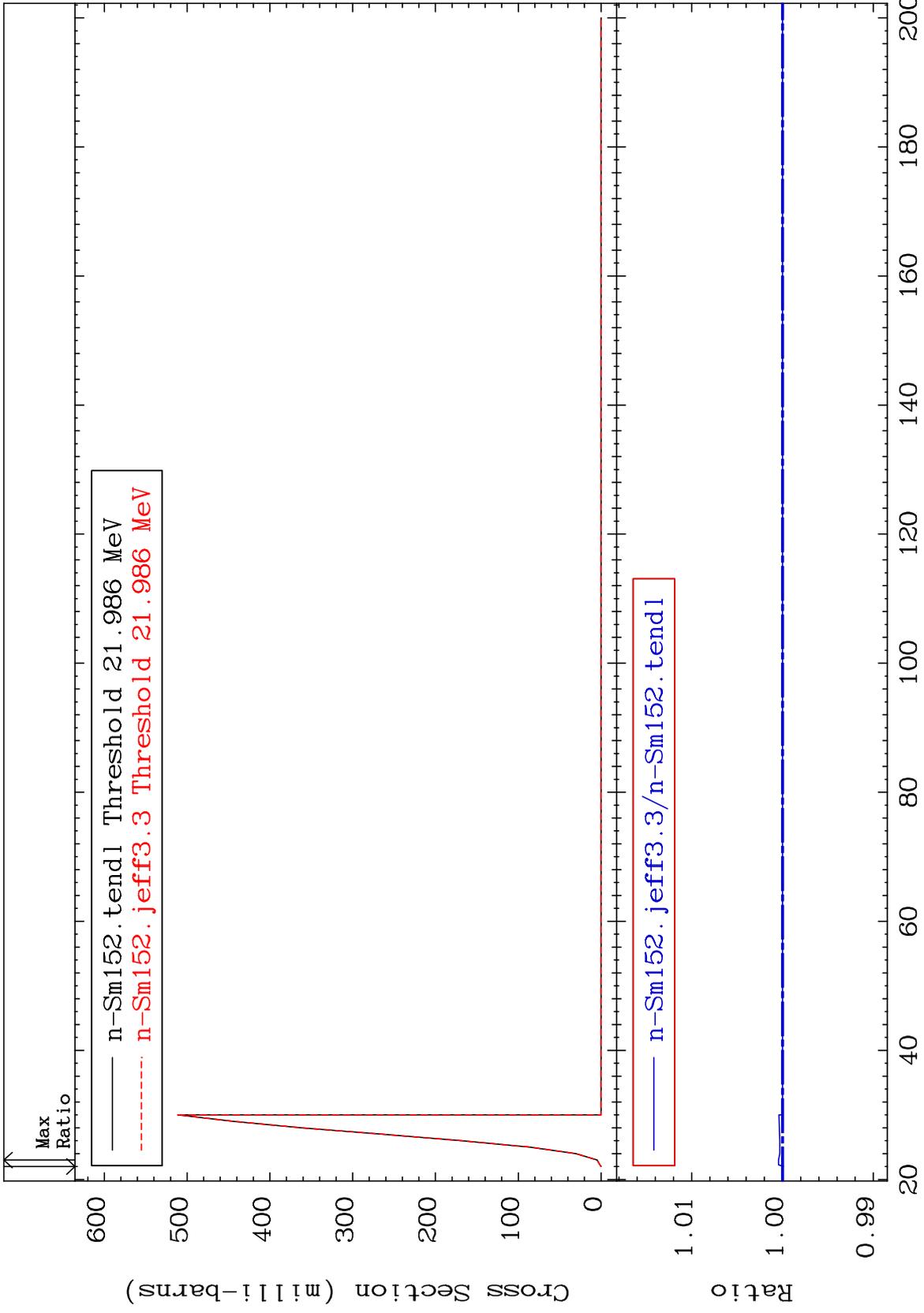
62-Sm-152
To 0.926 %



MAT 6249

(n,4n)
Cross Section

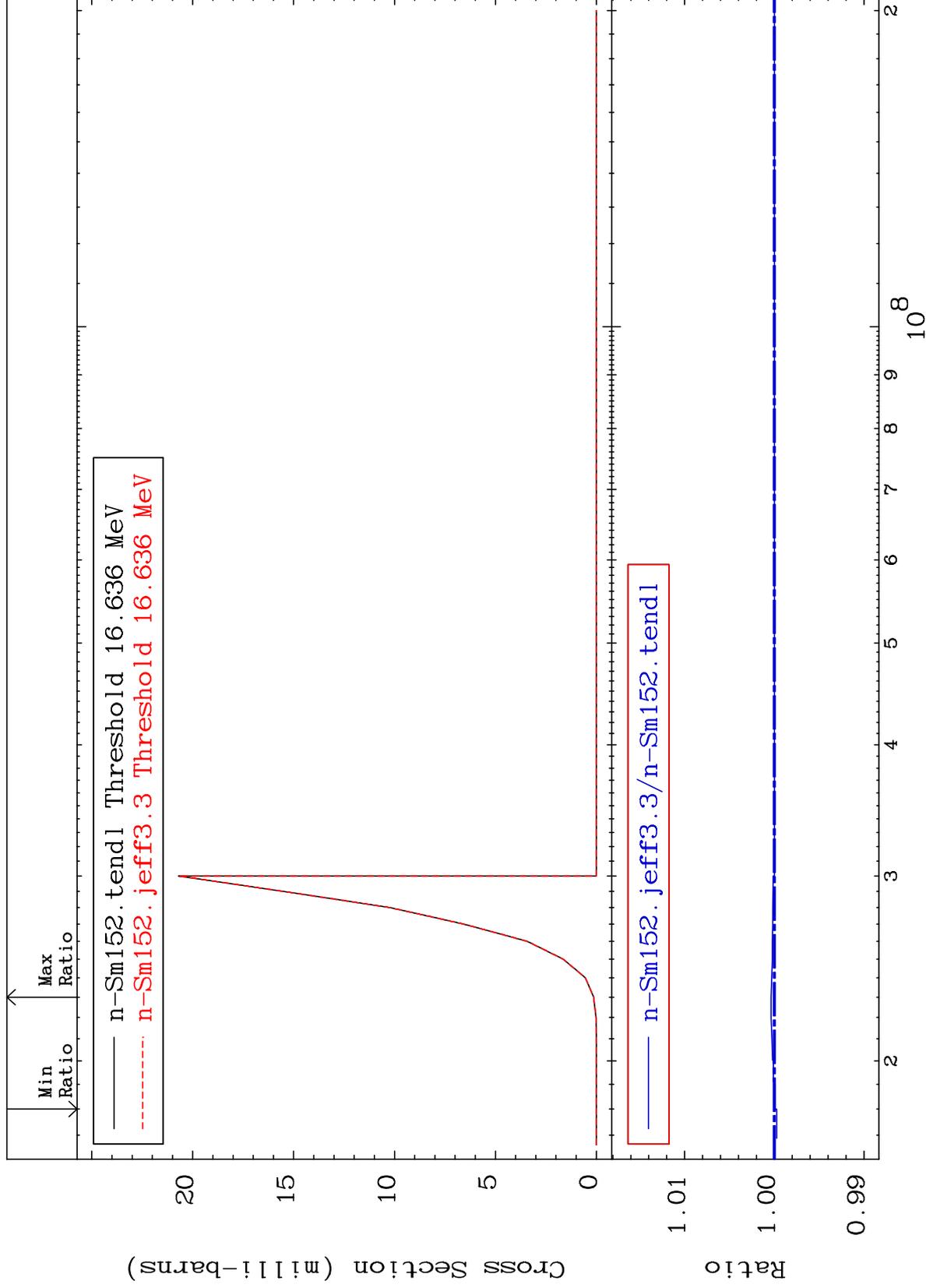
62-Sm-152
-0.010 To 0.044 %



MAT 6249

(n,2n) p
Cross Section

62-Sm-152
-0.028 To 0.037 %



15

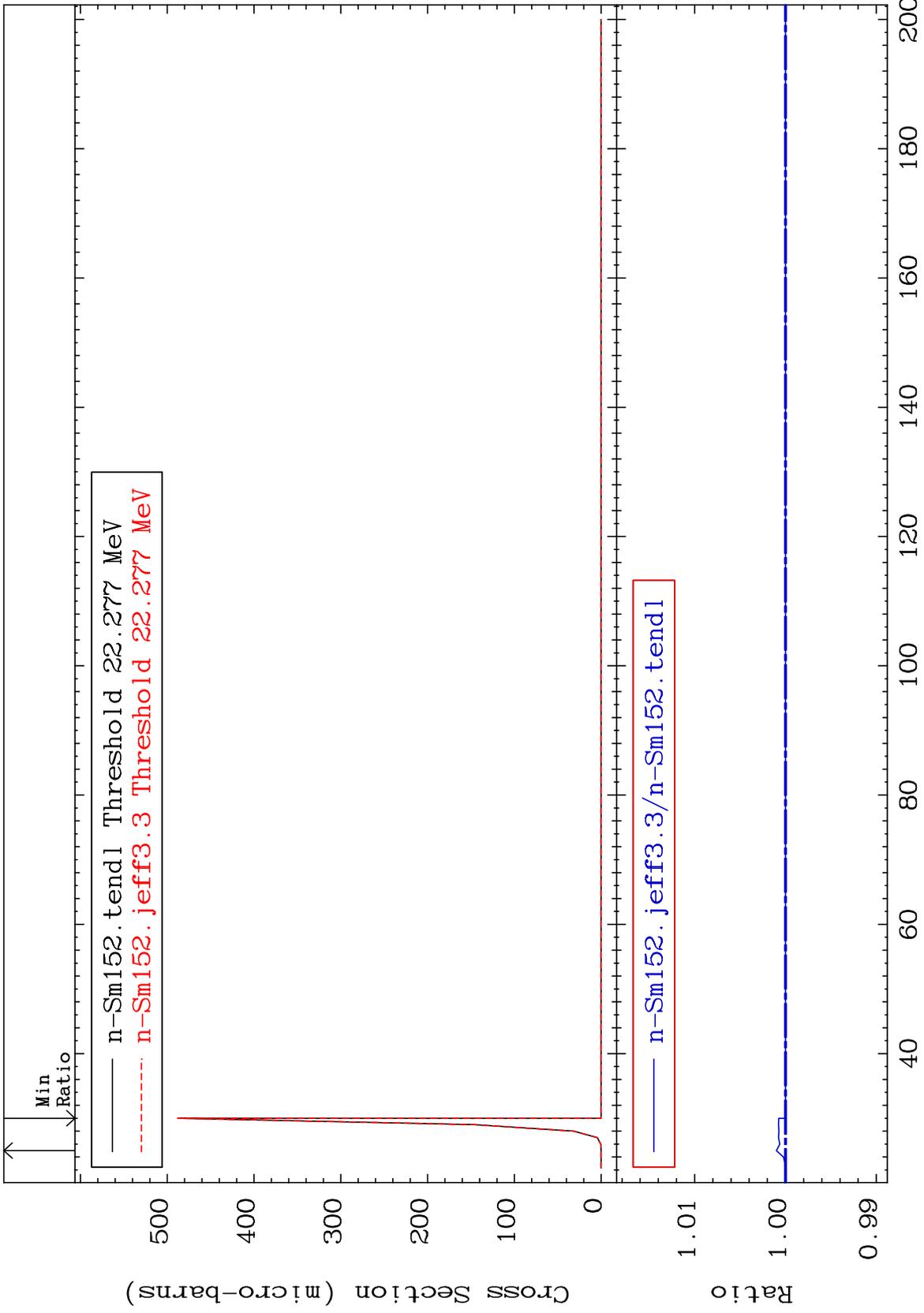
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,3n) p
Cross Section

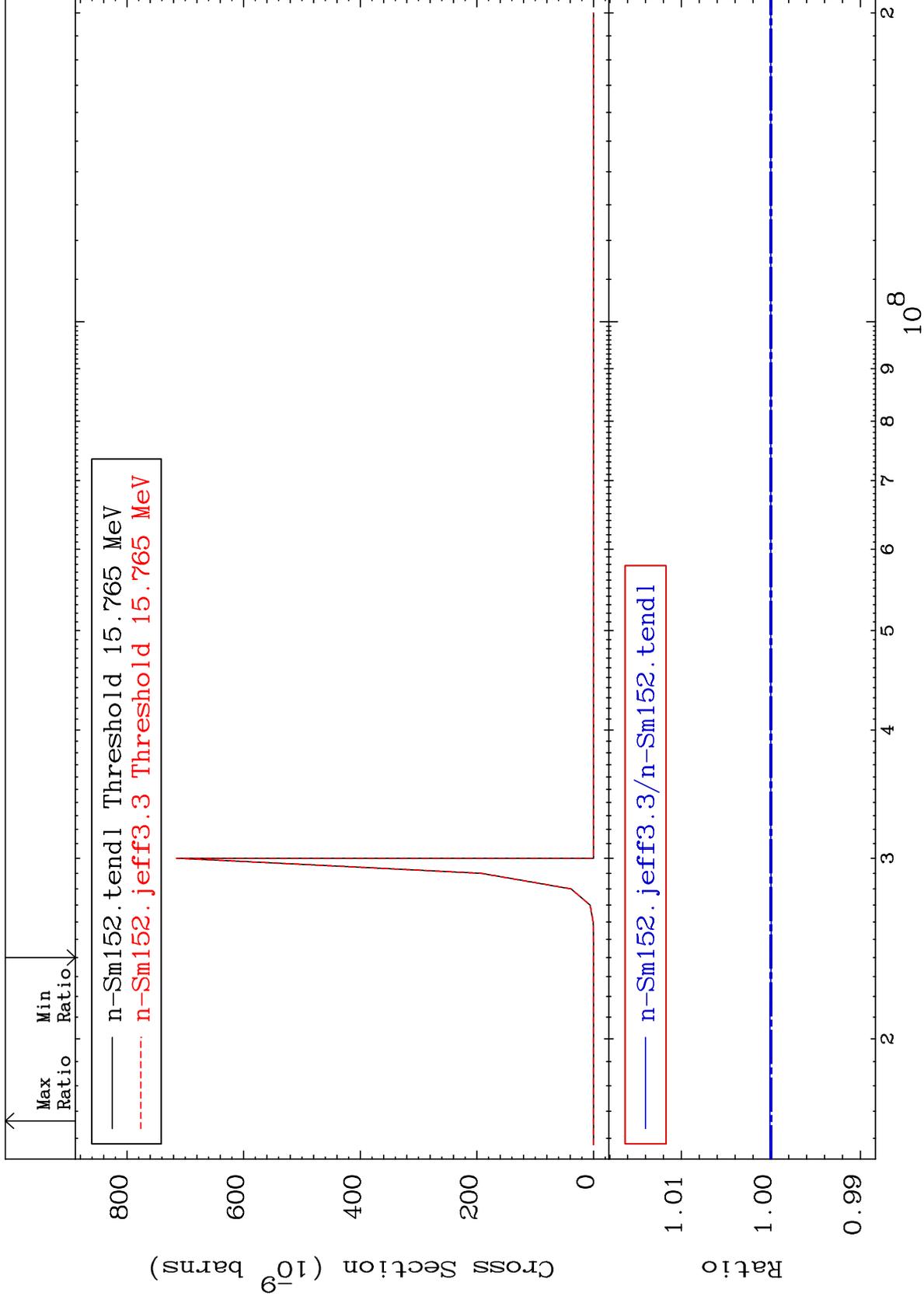
62-Sm-152
To 0.100 %



MAT 6249

(n,2n) p
Cross Section

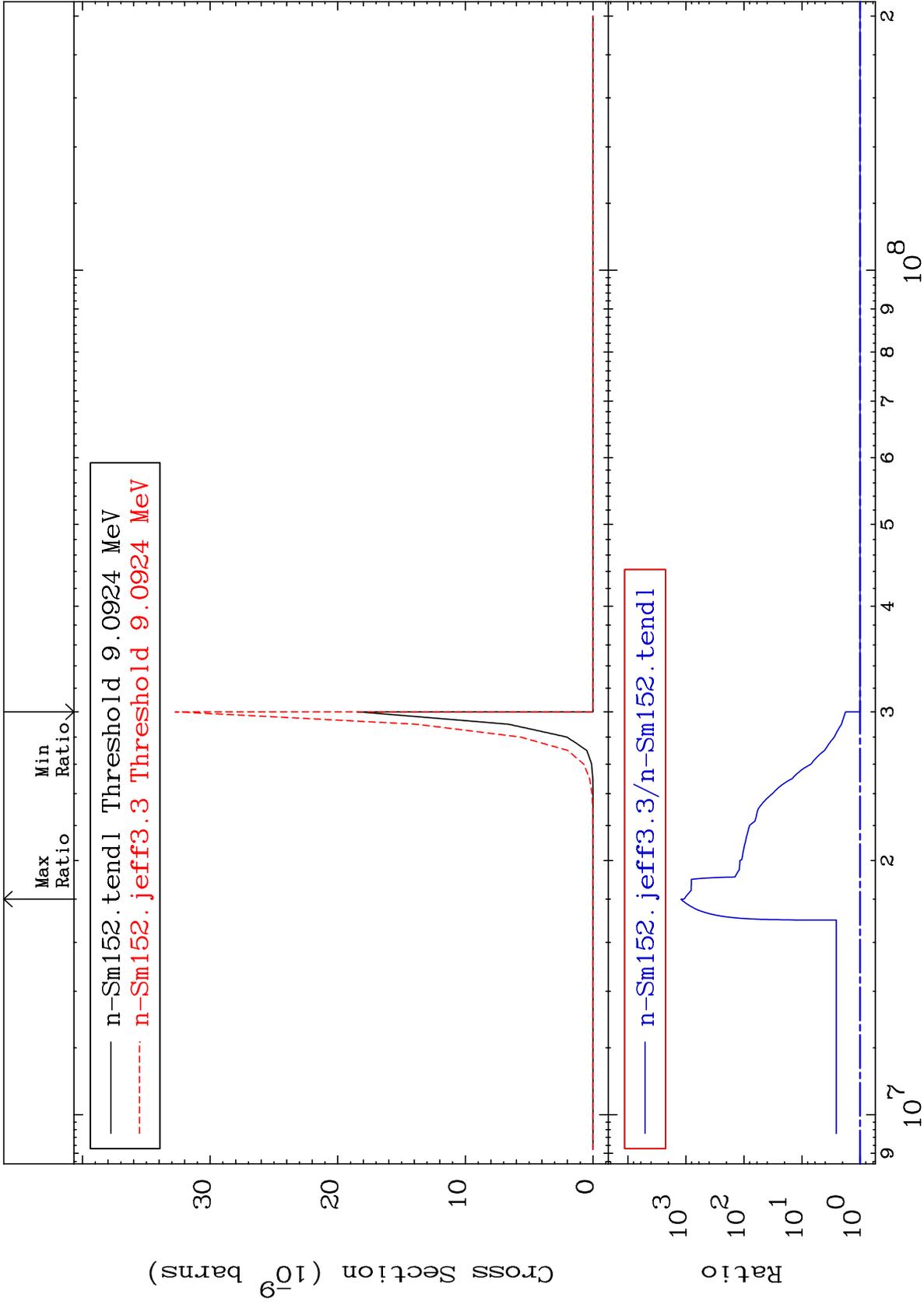
62-Sm-152
-0.006 To 0.010 %



MAT 6249

(n,n') p α
Cross Section

62-Sm-152
To 9999. %



18

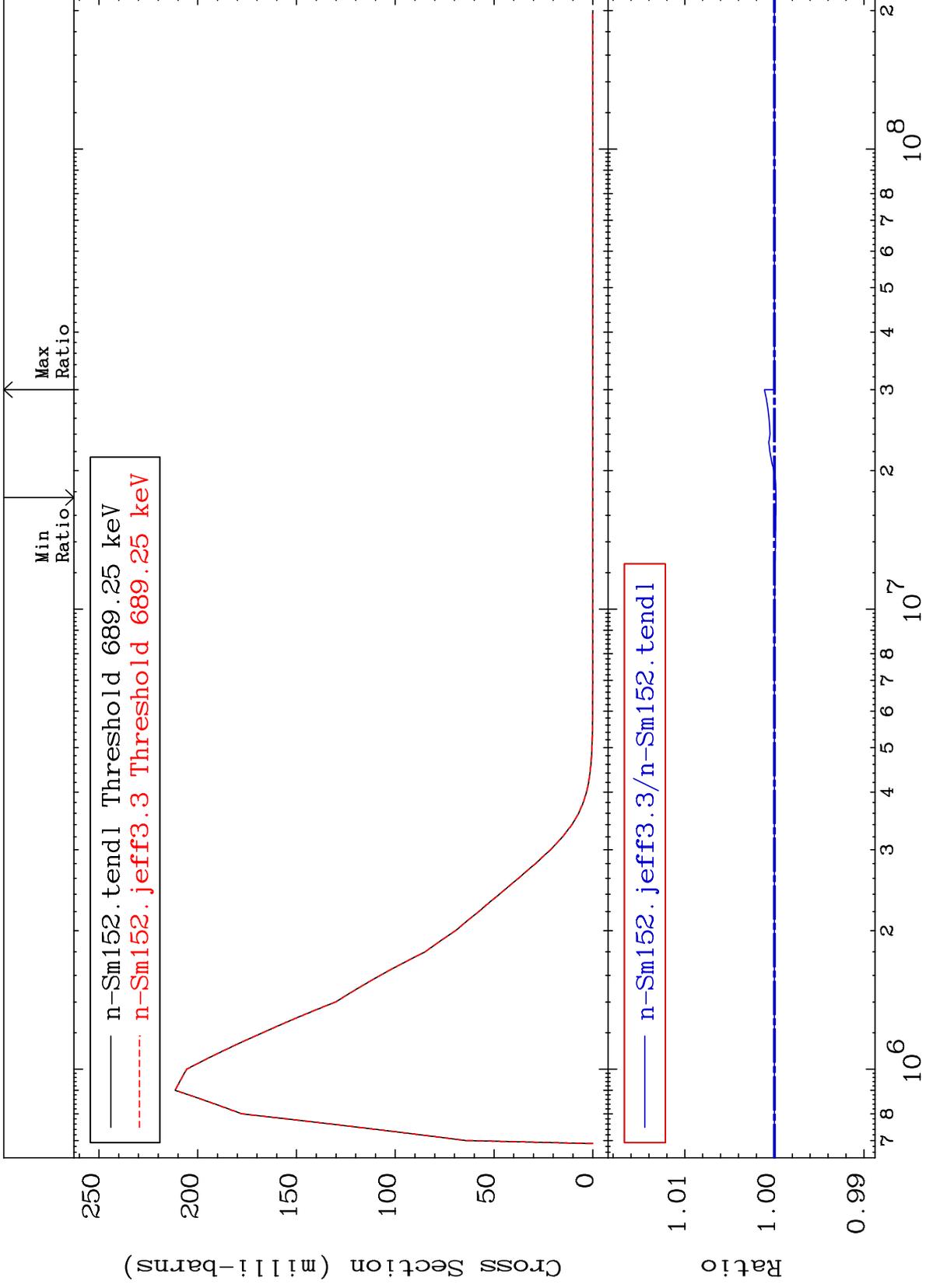
Incident Energy (eV)

62-Sm-152

MAT 6249

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

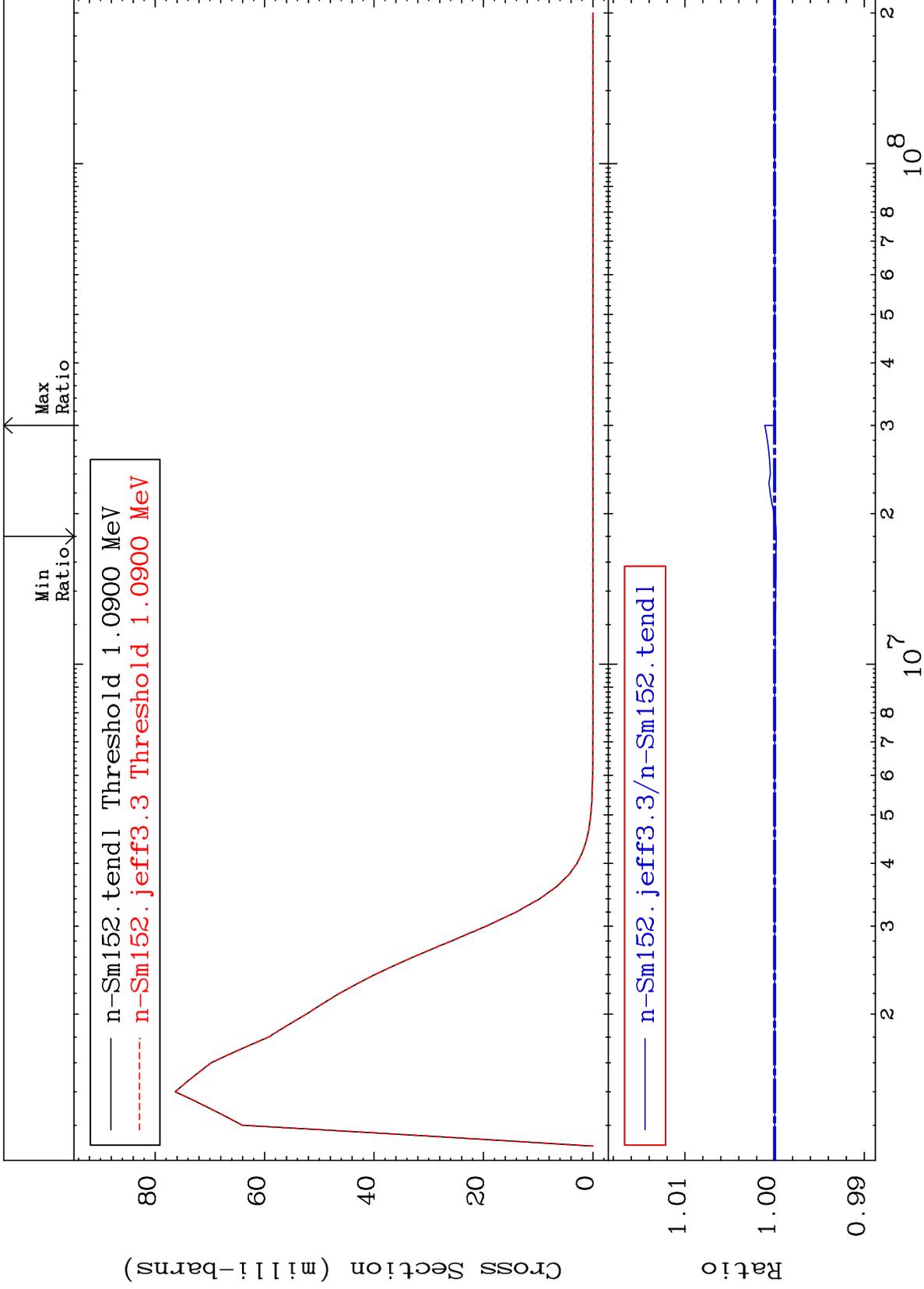
62-Sm-152
-0.016 To 0.110 %



MAT 6249

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

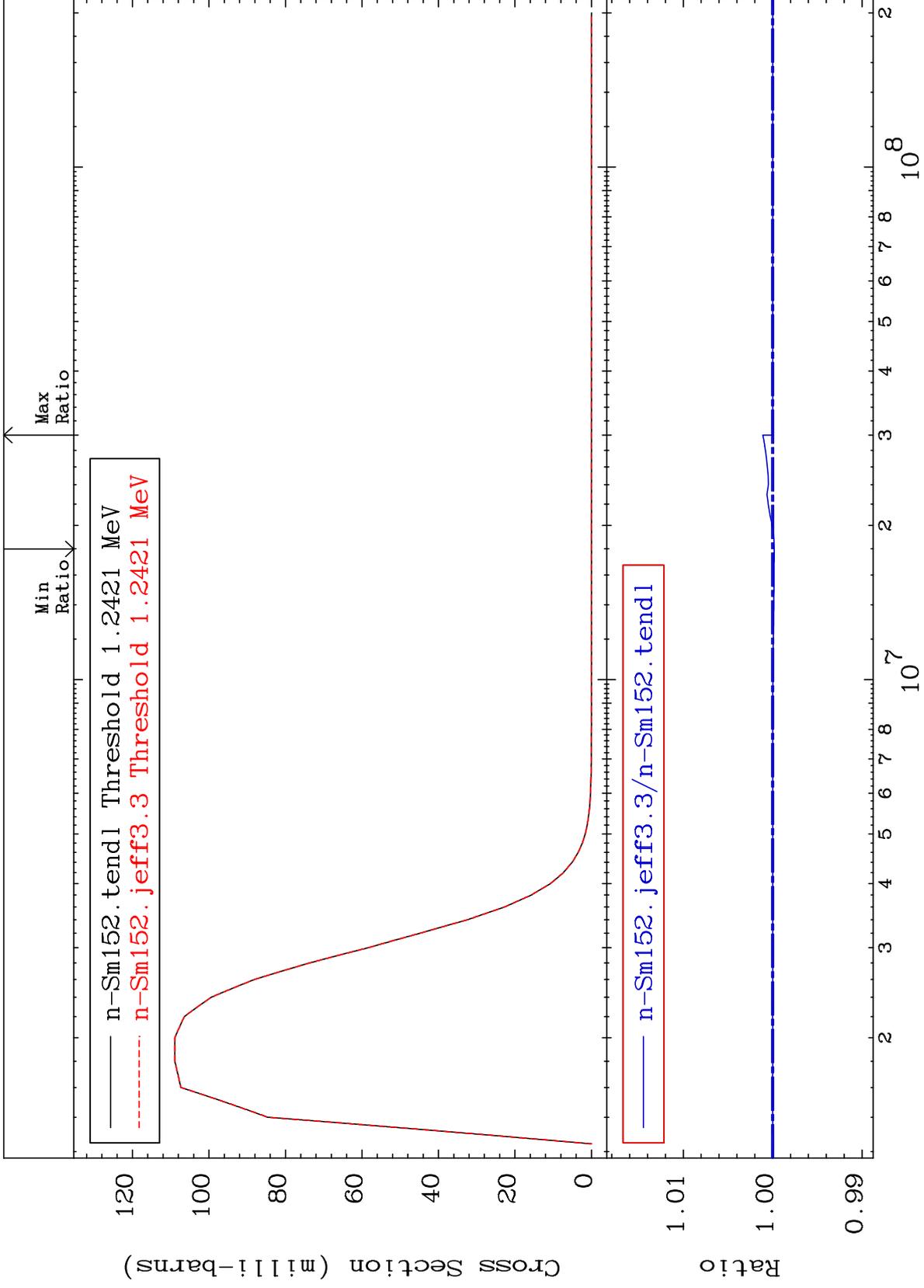
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

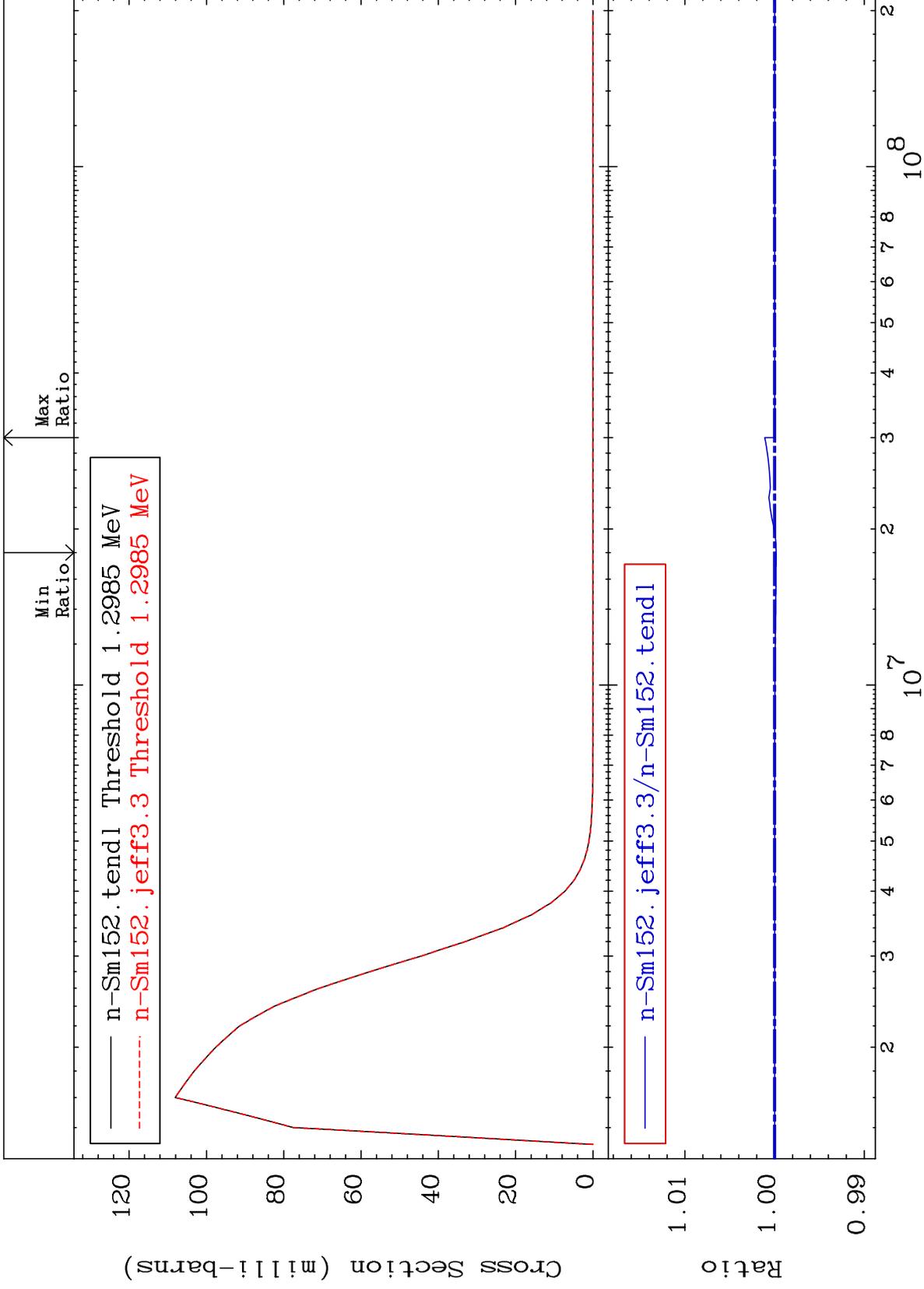
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

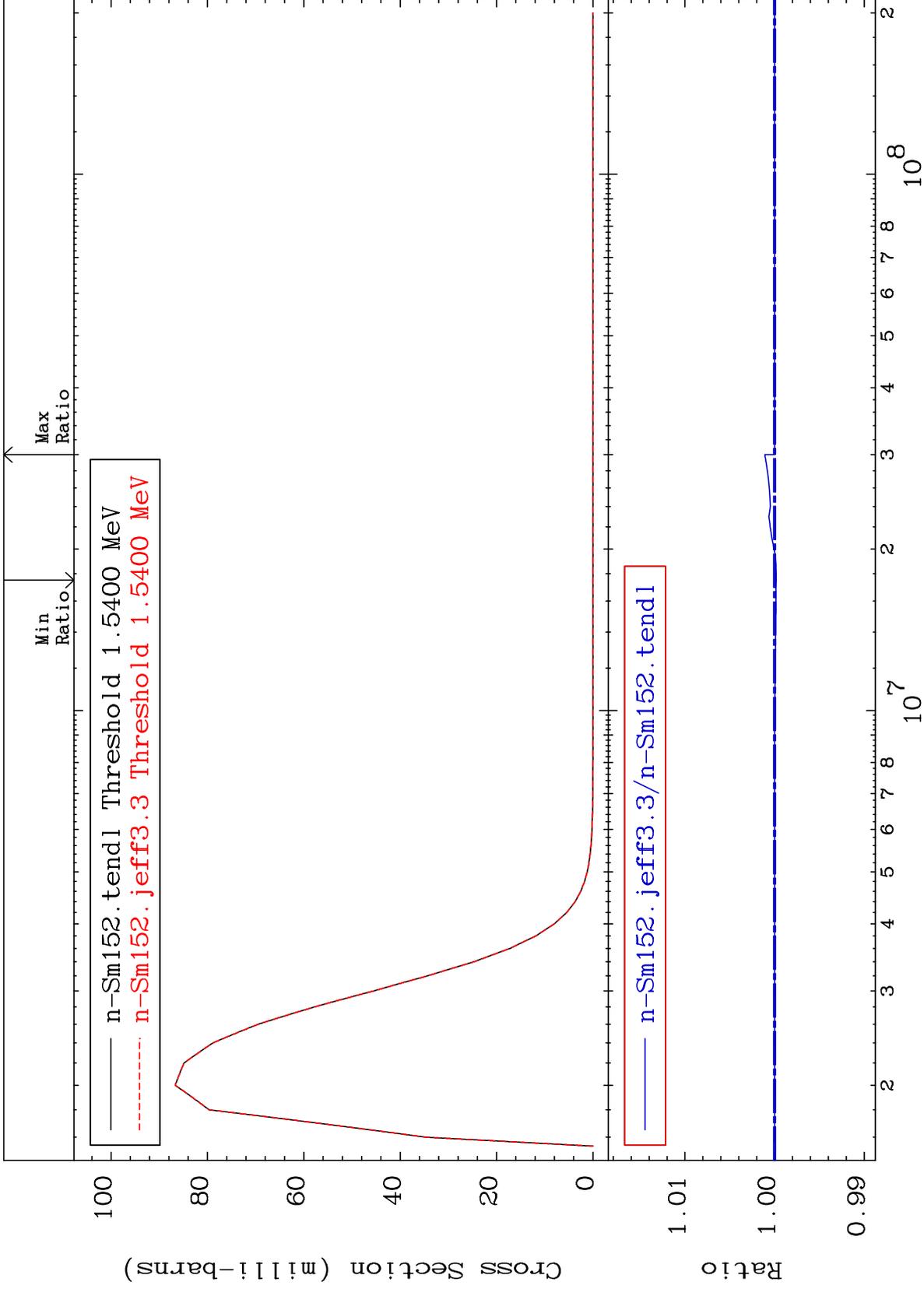
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

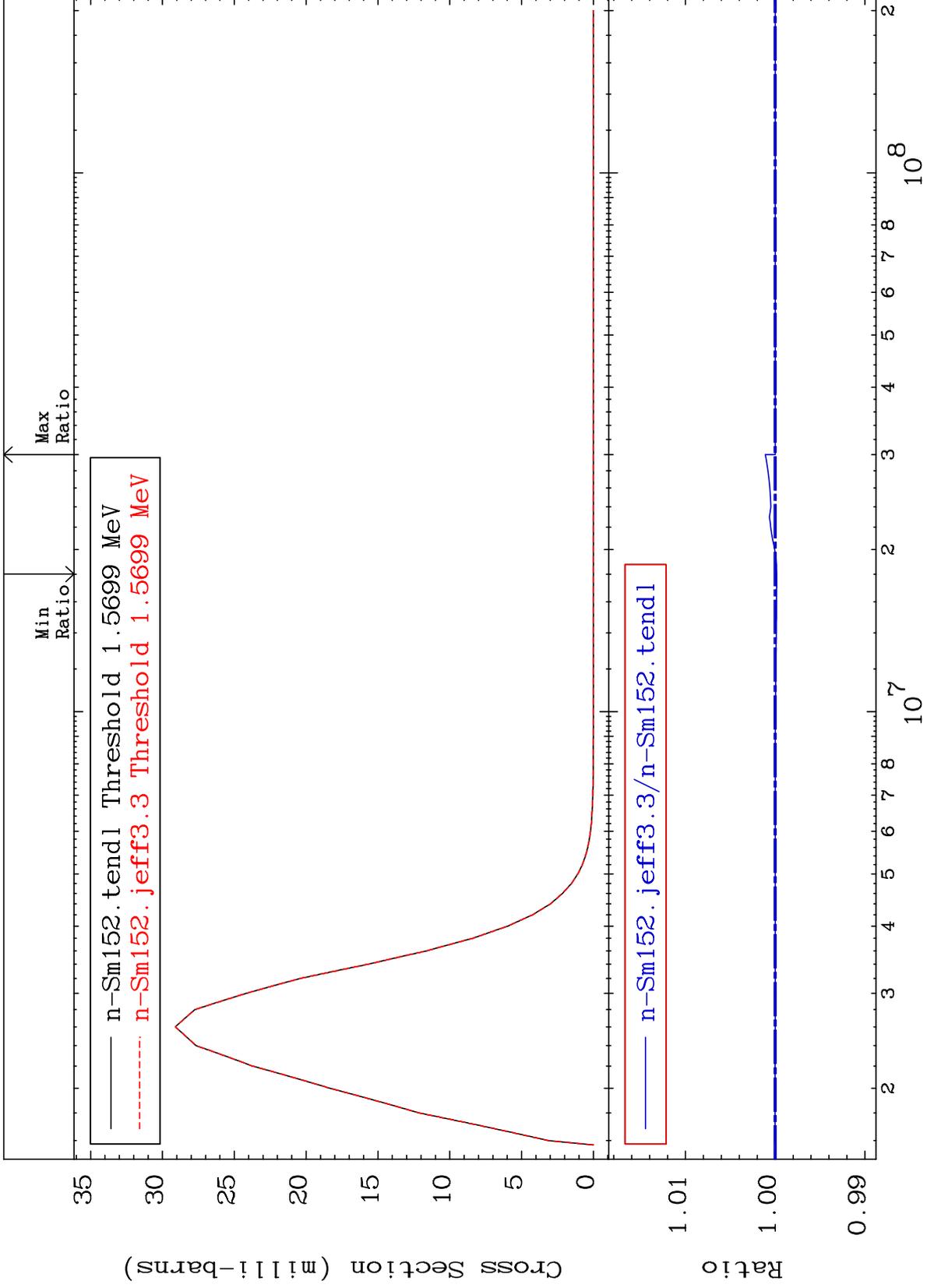
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

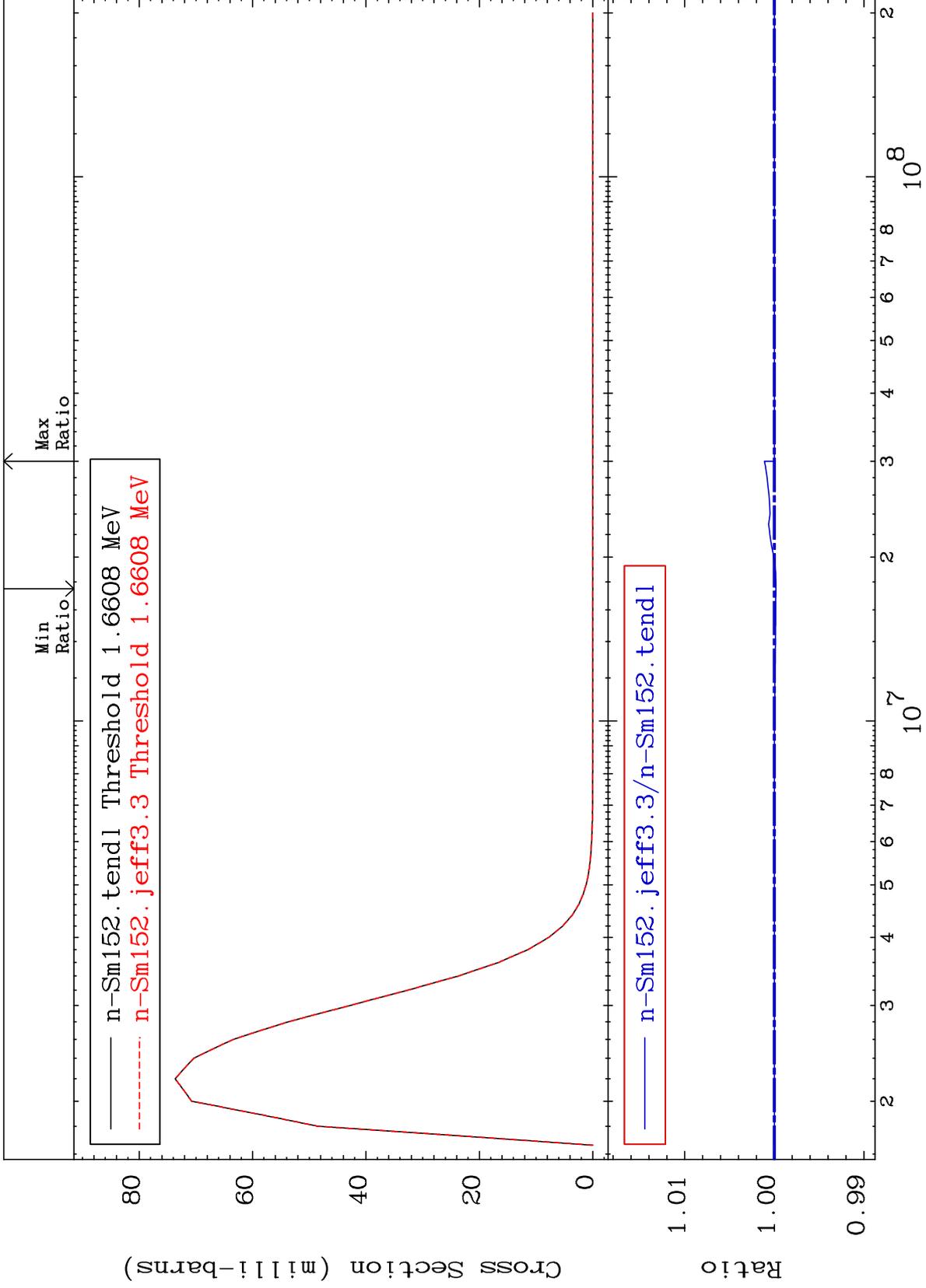
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

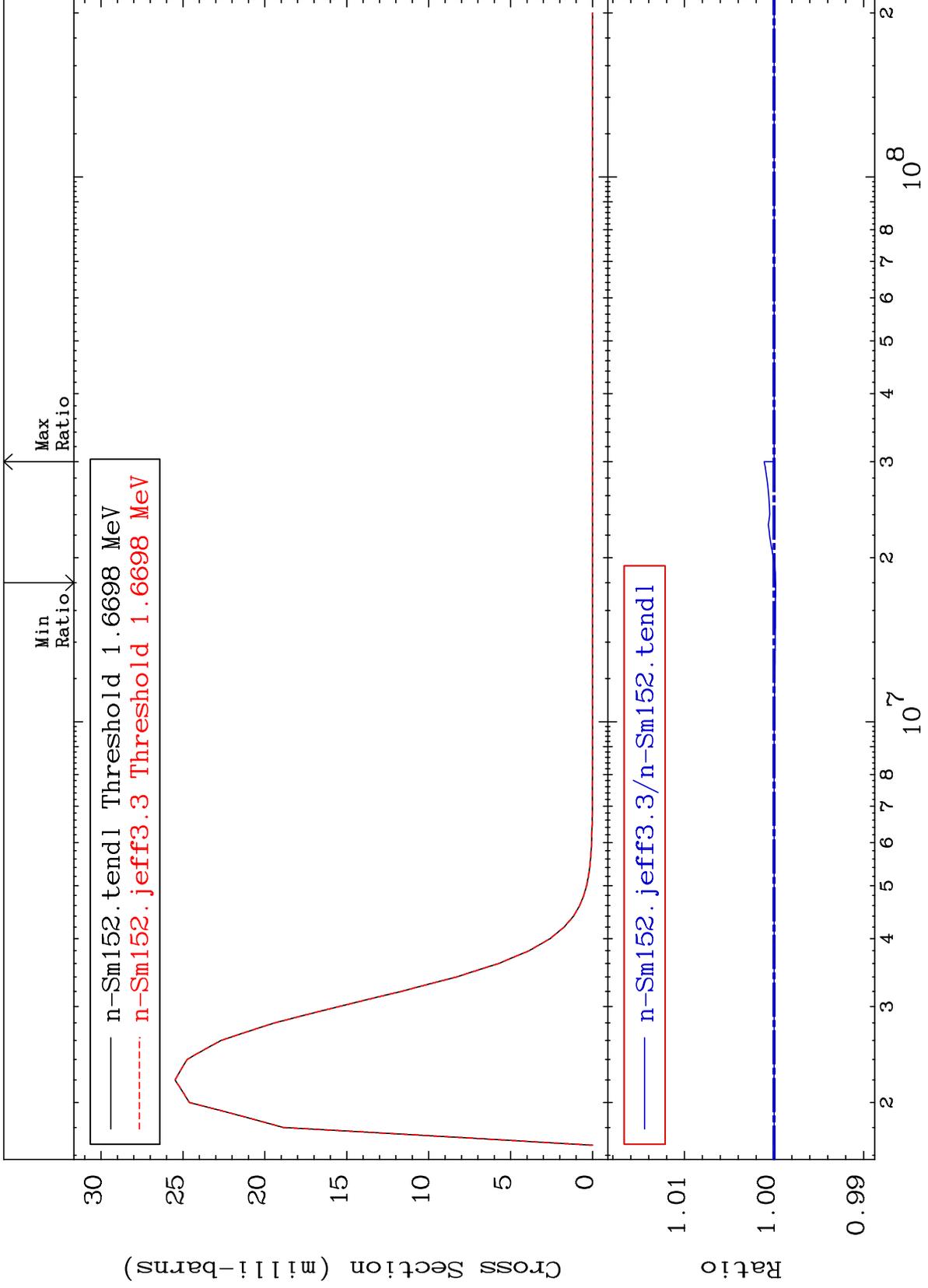
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

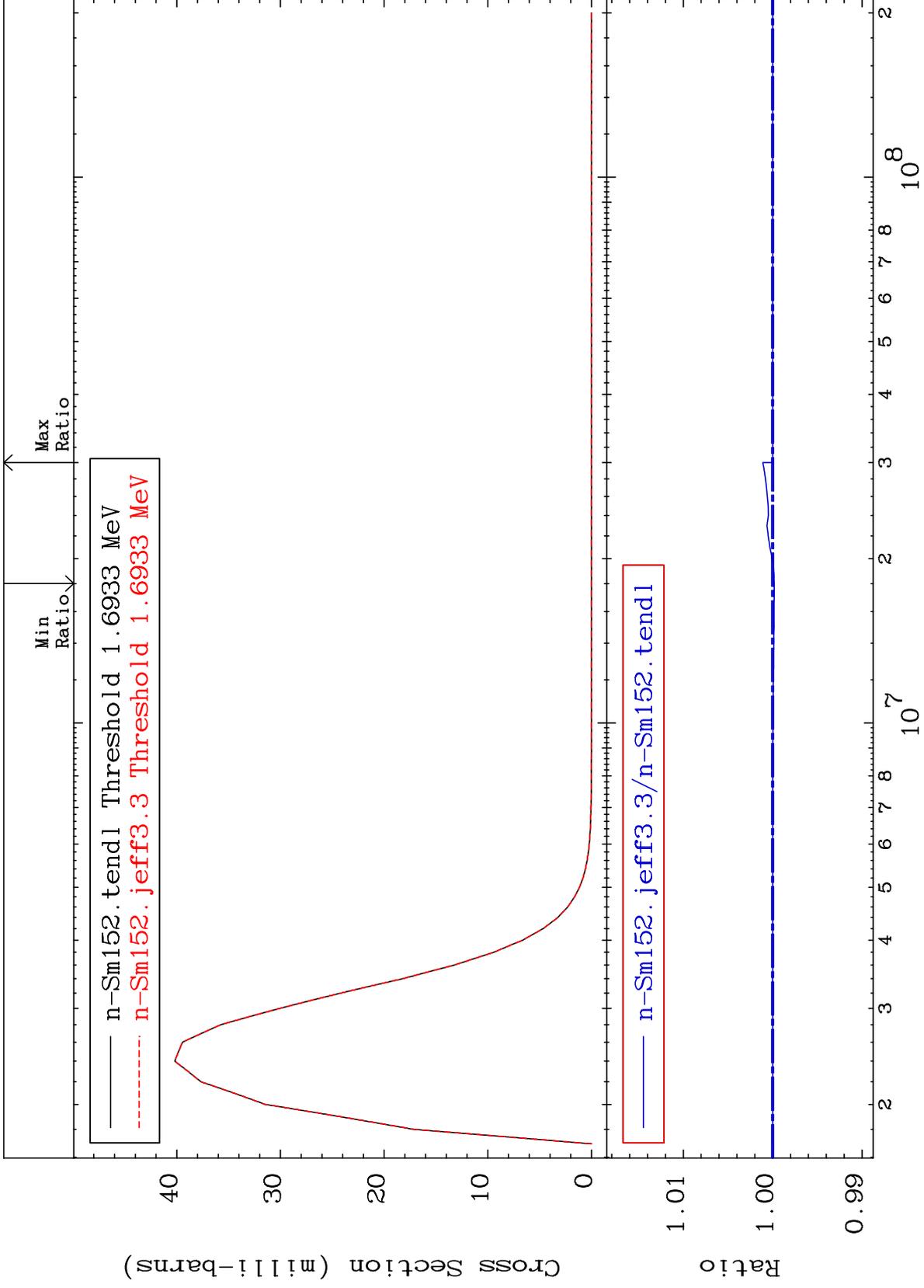
62-Sm-152
-0.017 To 0.110 %



MAT 6249

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

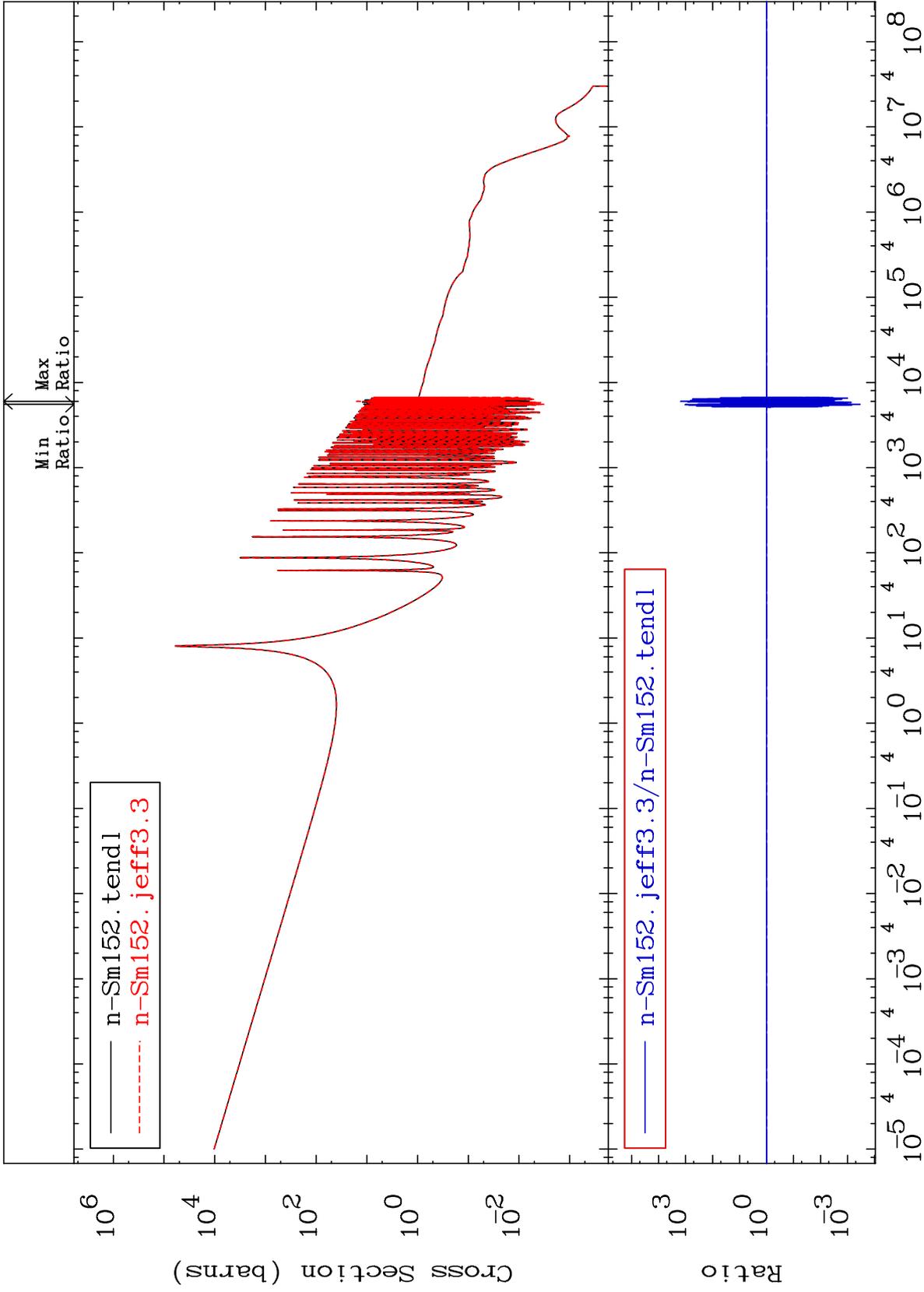
62-Sm-152
-0.017 To 0.110 %



MAT 6249

(n, γ)
Cross Section

62-Sm-152
-99.97 To 9999. %



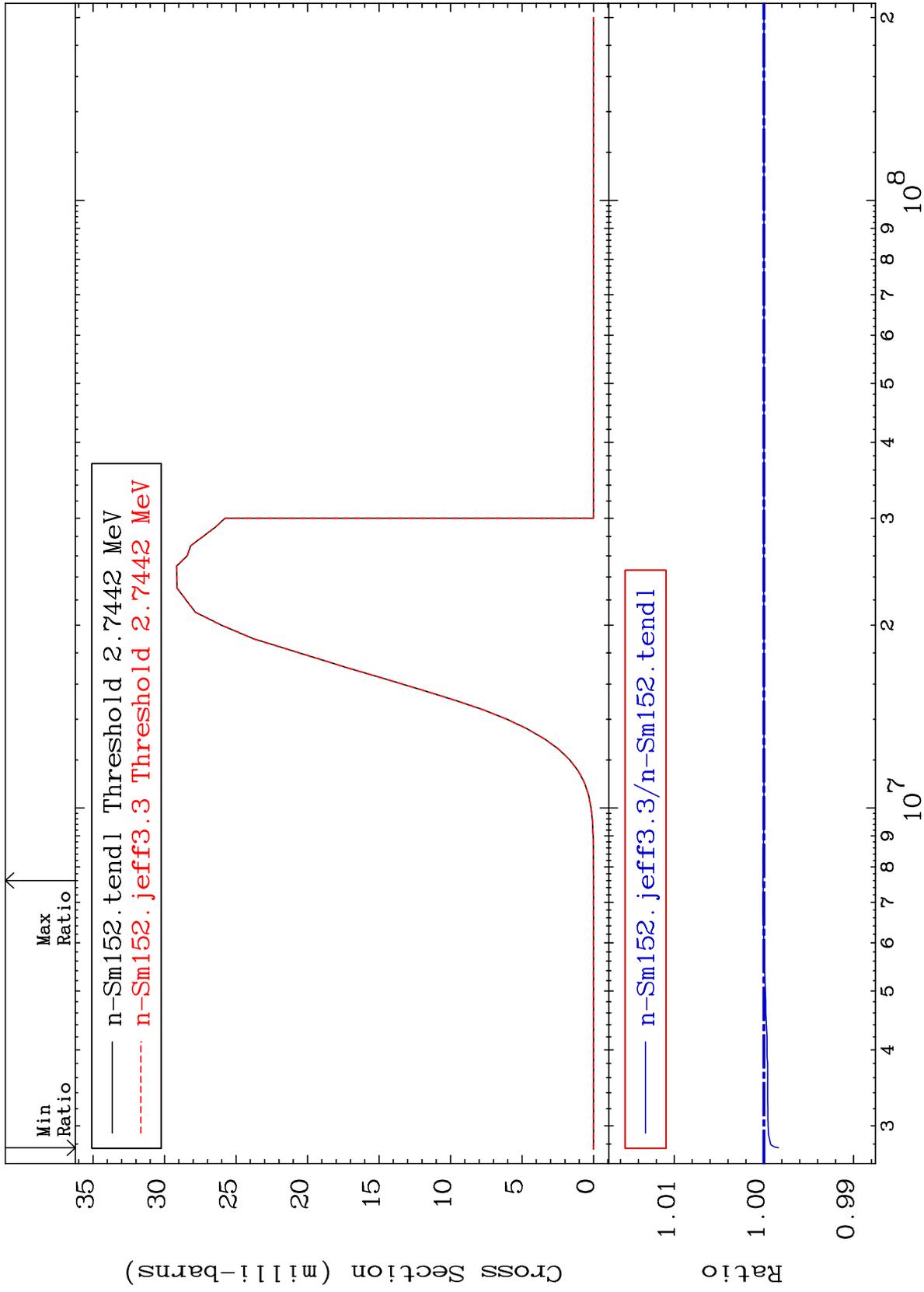
MAT 6249

(n,p)

62-Sm-152

Cross Section

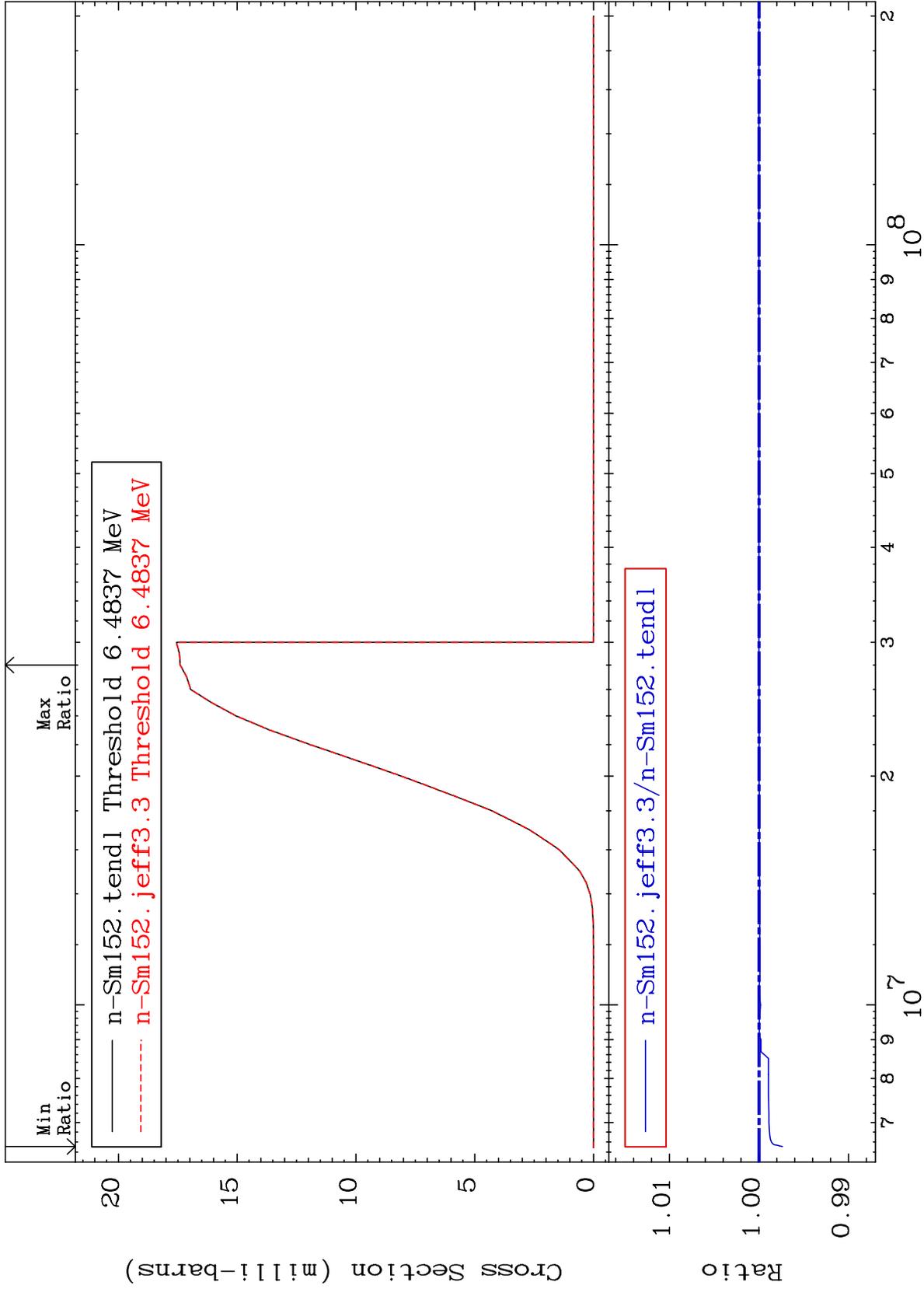
-0.163 To 0.011 %



MAT 6249

62-Sm-152

(n, d)
Cross Section
-0.262 To 0.000 %



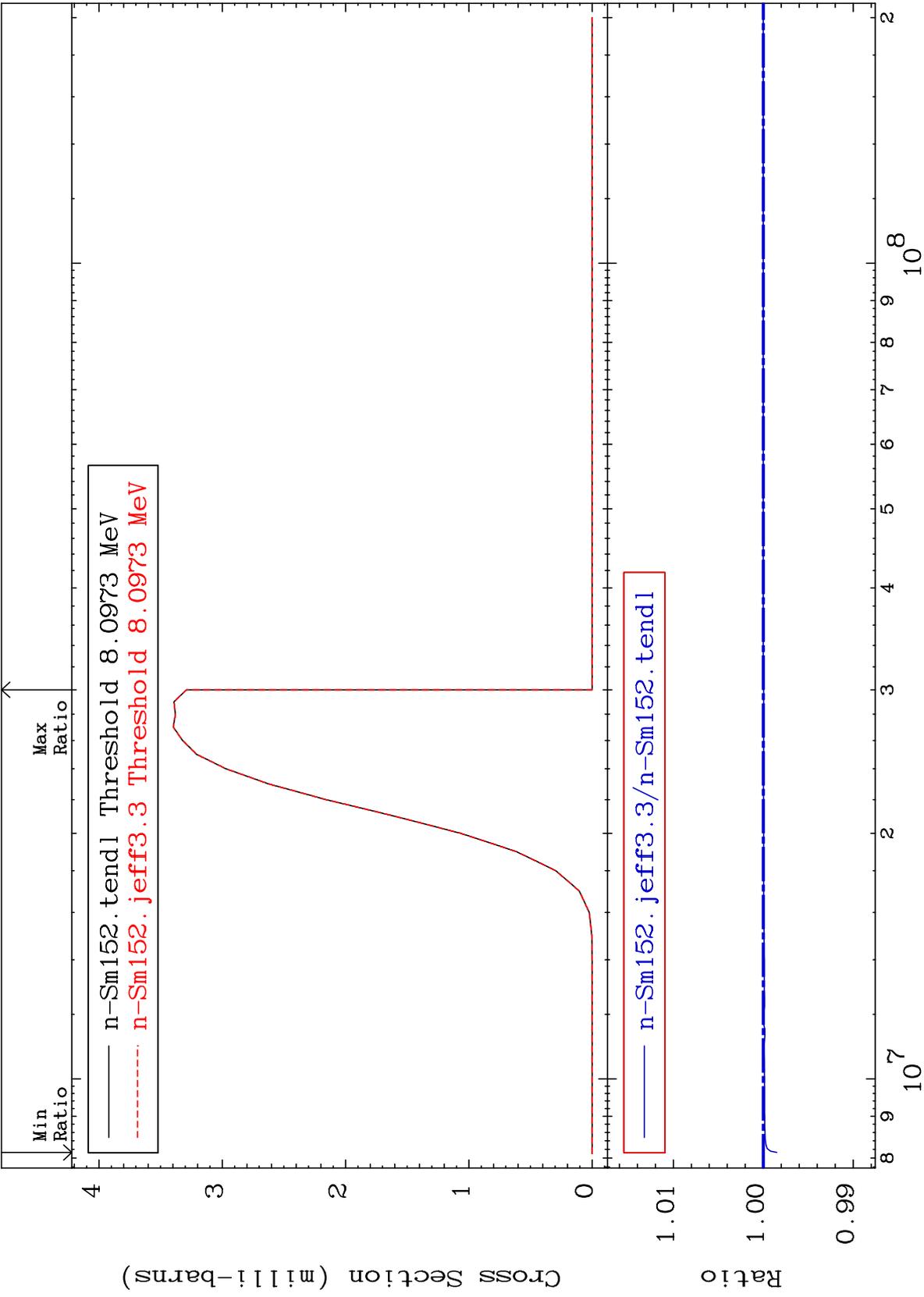
30

Incident Energy (eV)

62-Sm-152

MAT 6249

(n, t)
Cross Section
62-Sm-152
-0.150 To 0.000 %



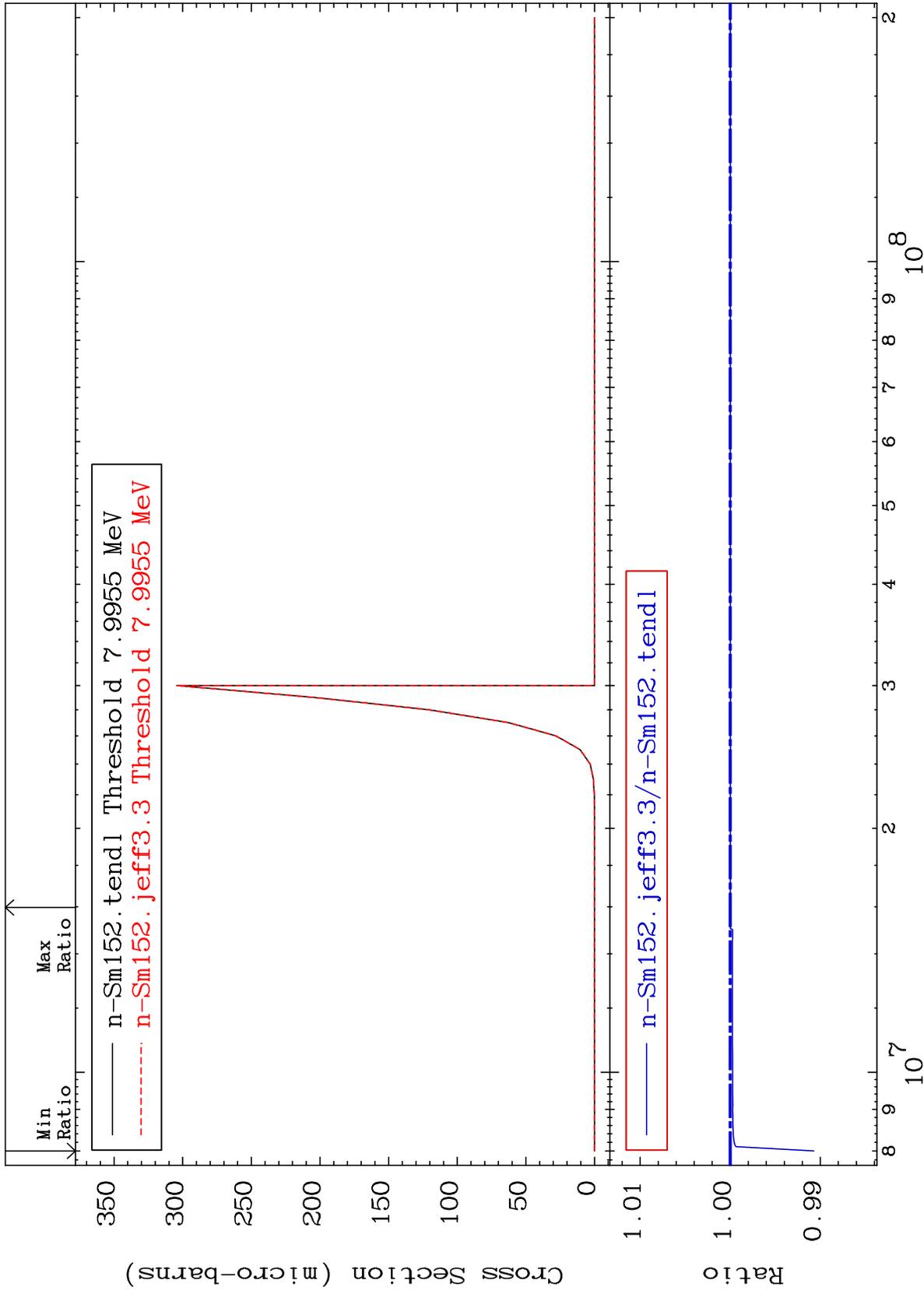
MAT 6249

(n, He-3)

62-Sm-152

Cross Section

-0.927 To 0.000 %



32

Incident Energy (eV)

62-Sm-152

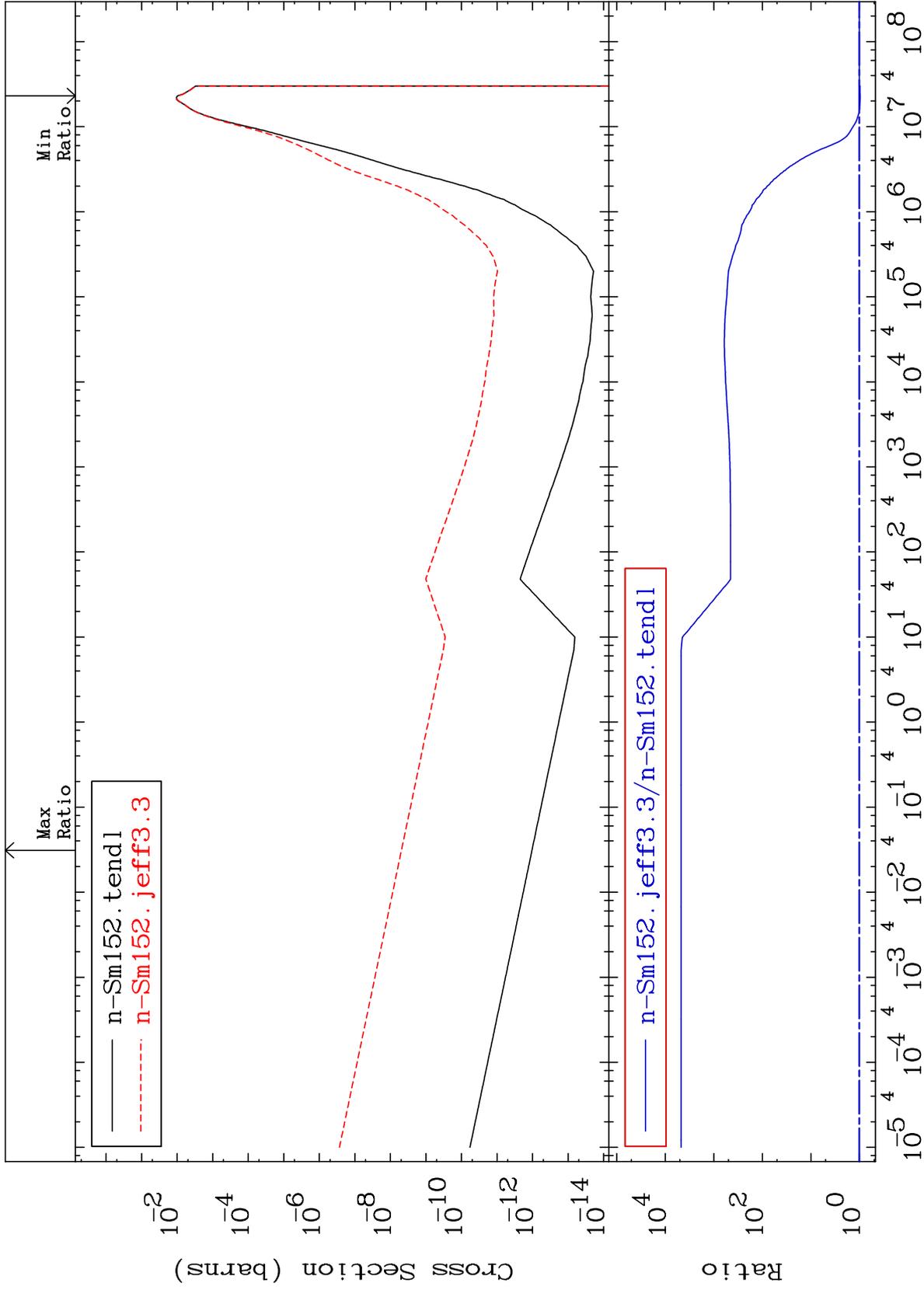
MAT 6249

(n, α)

62-Sm-152

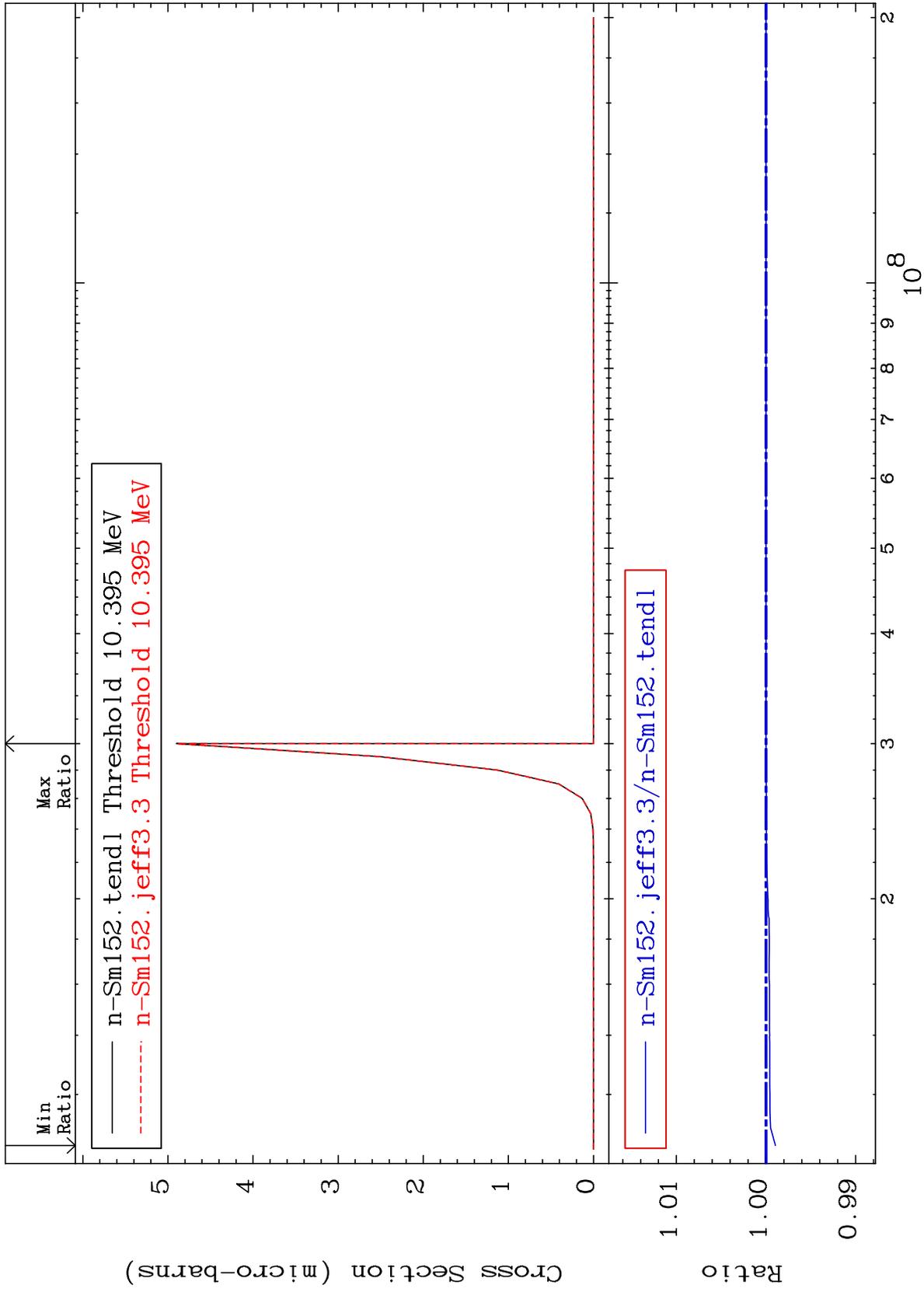
Cross Section

-3.497 To 9999. %



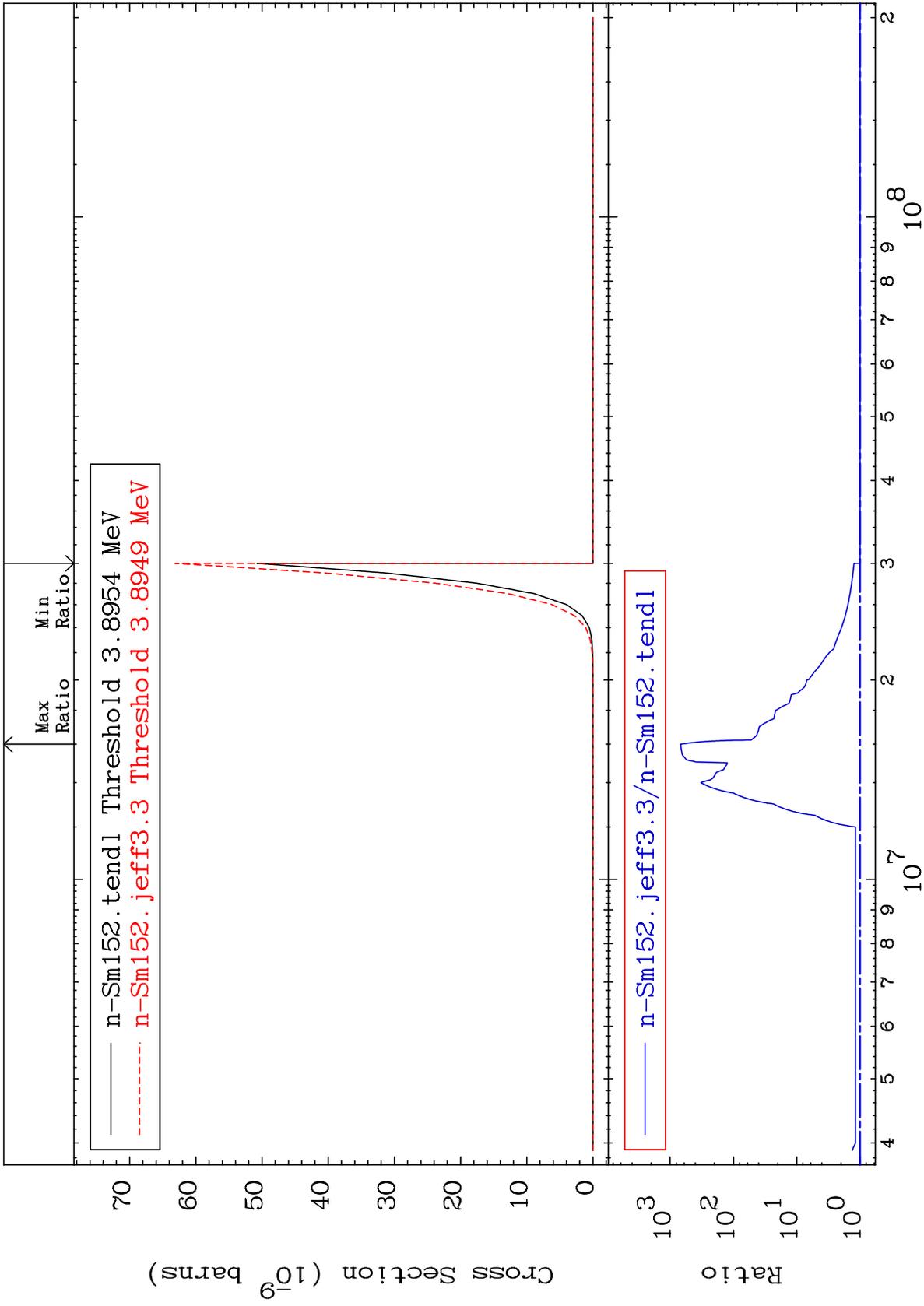
(n,2p)
Cross Section

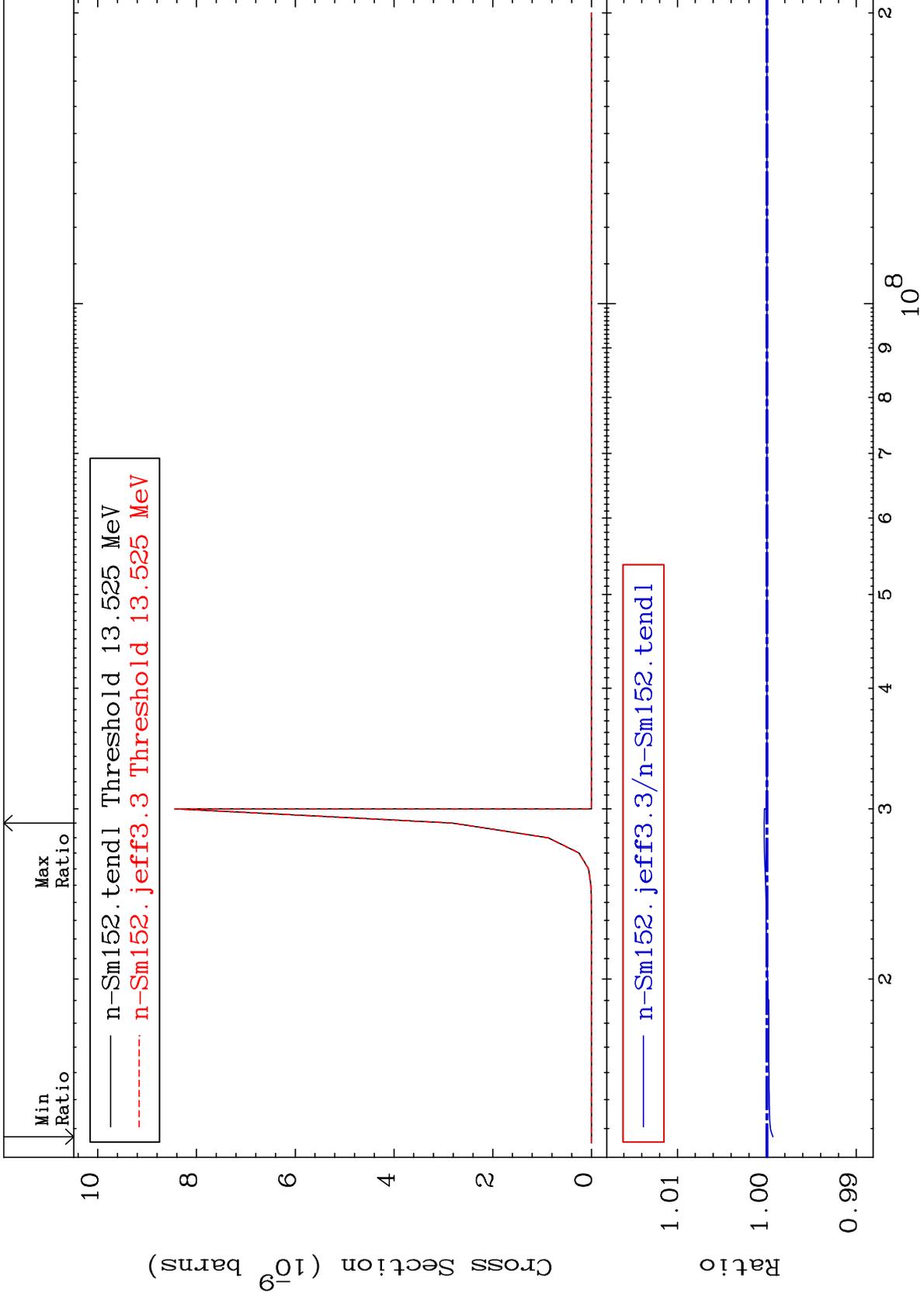
-0.105 To 0.000 %



MAT 6249

(n, p) α
Cross Section
62-Sm-152
To 9999. %
0.000



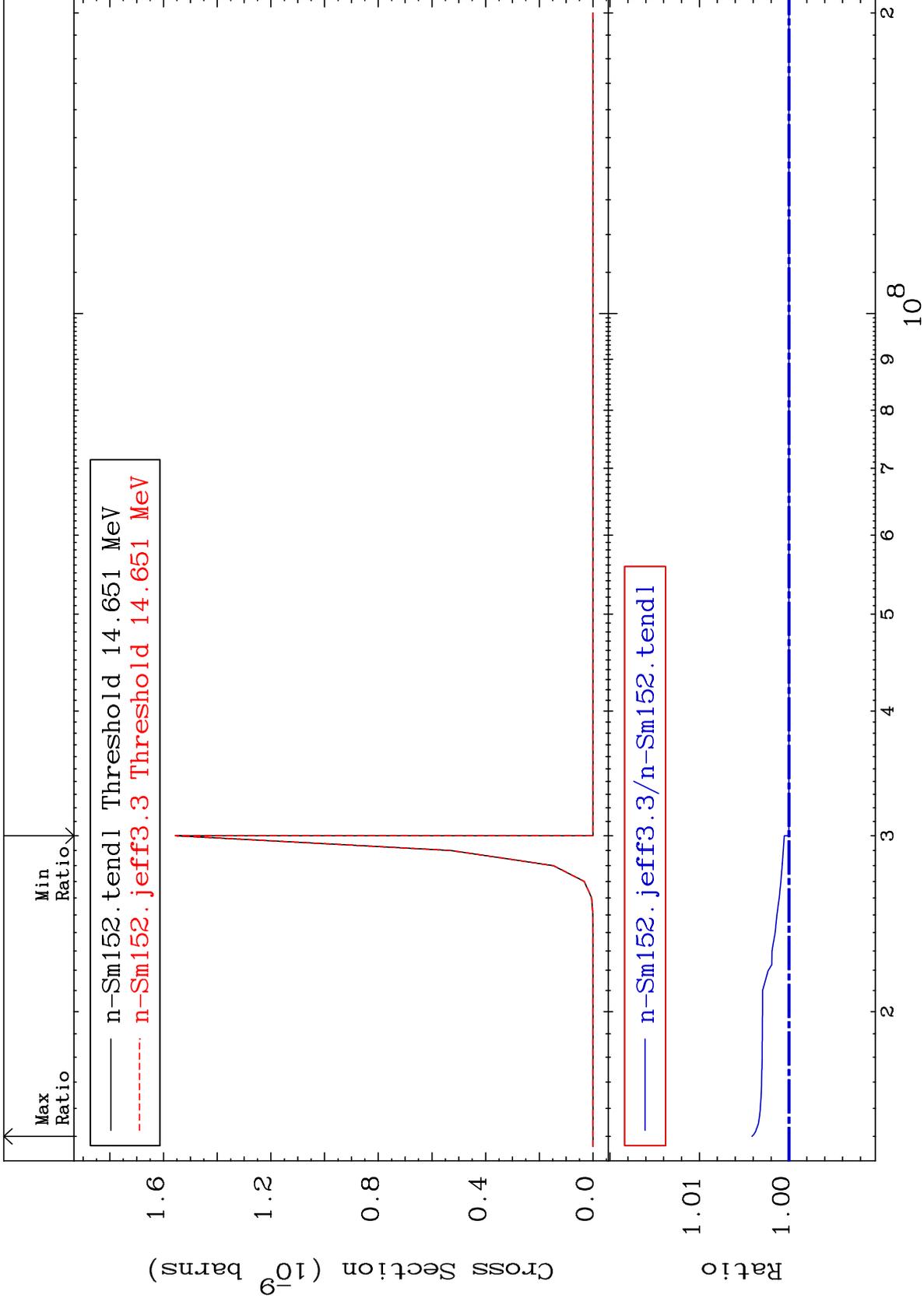


MAT 6249

(n,p) t

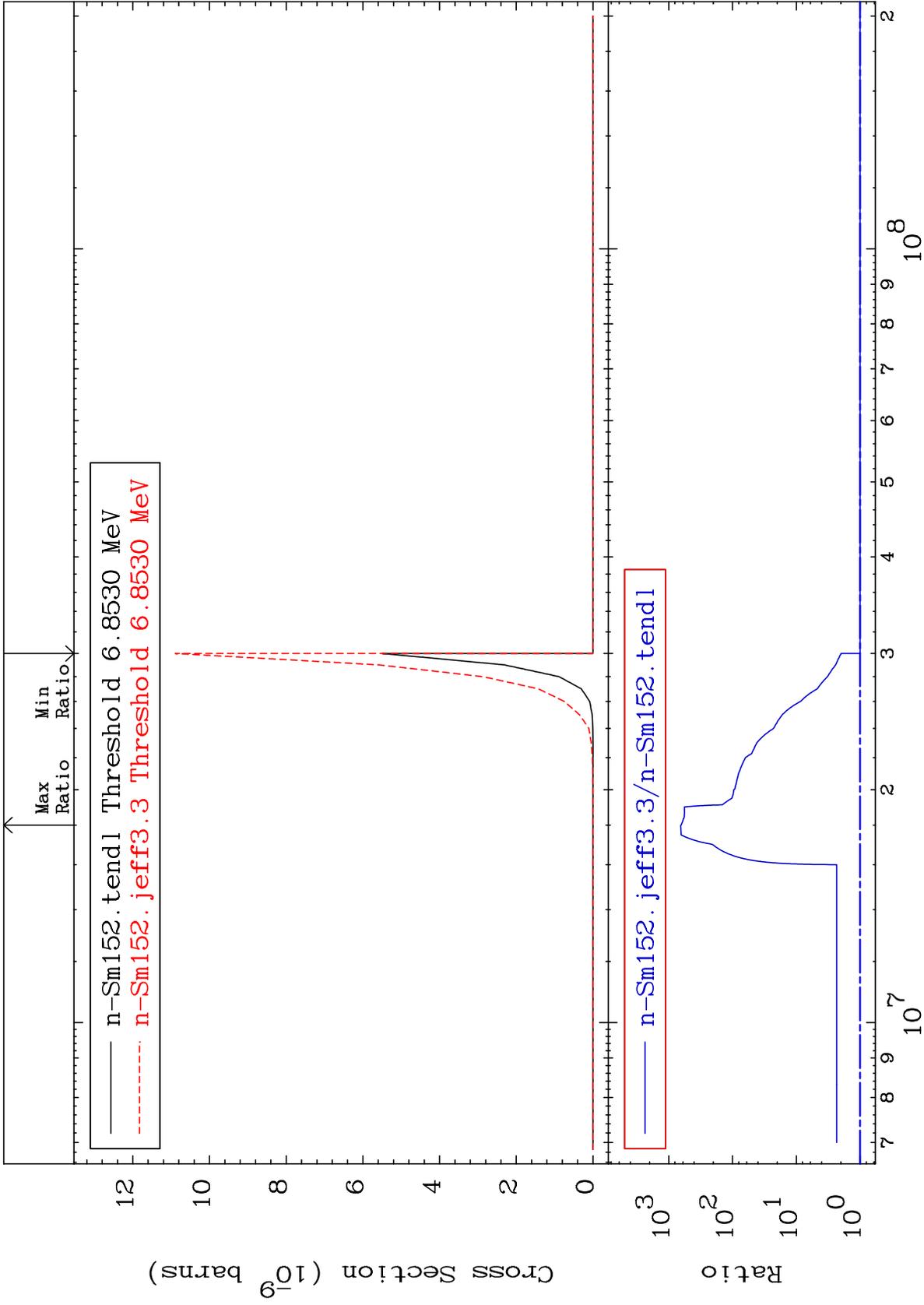
62-Sm-152
To 0.414 %

Cross Section



MAT 6249

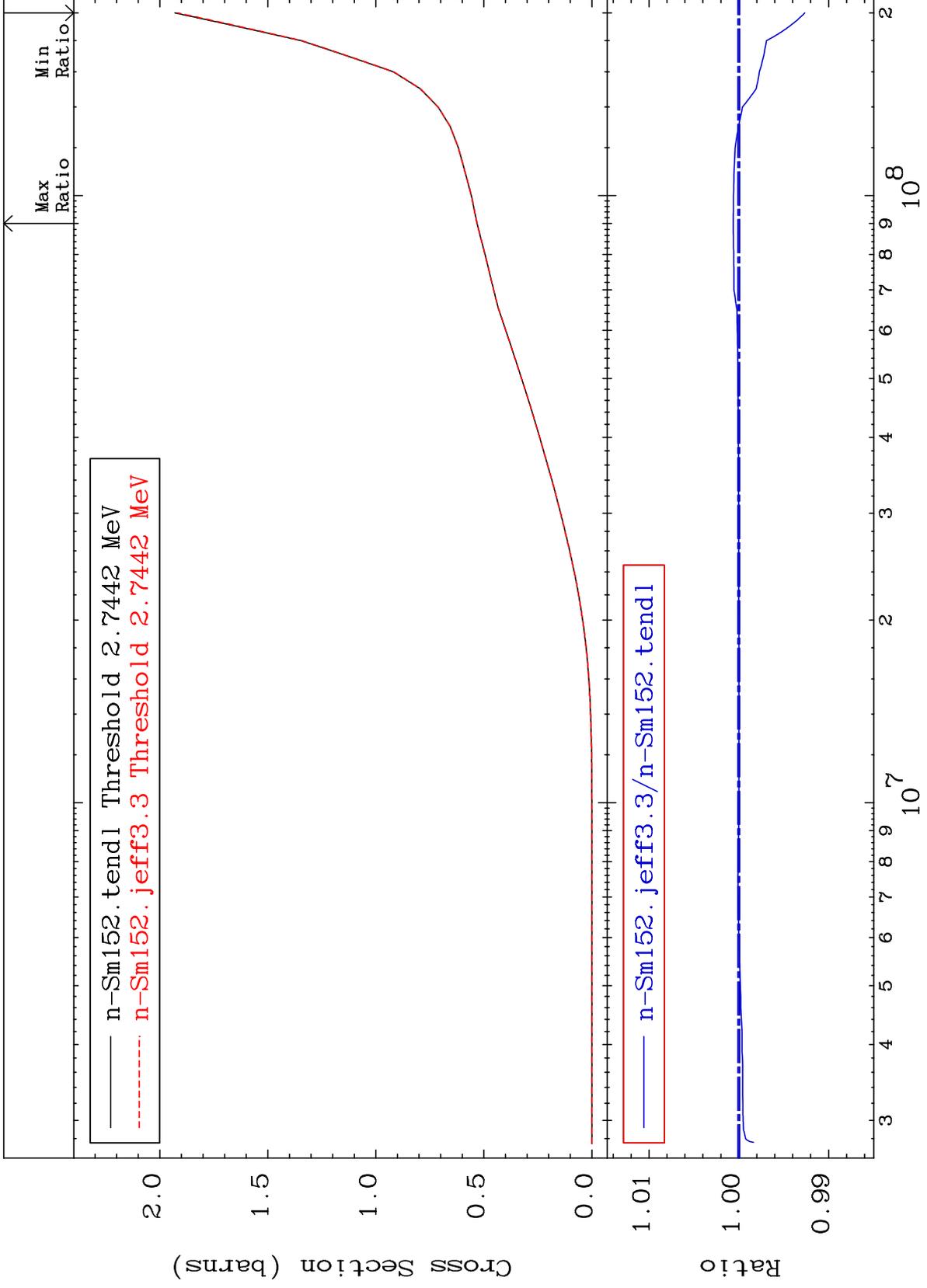
(n, d) α
Cross Section
62-Sm-152
To 9999. %
0.000



MAT 6249

Hydrogen Production
Cross Section

62-Sm-152
-0.735 To 0.062 %



40

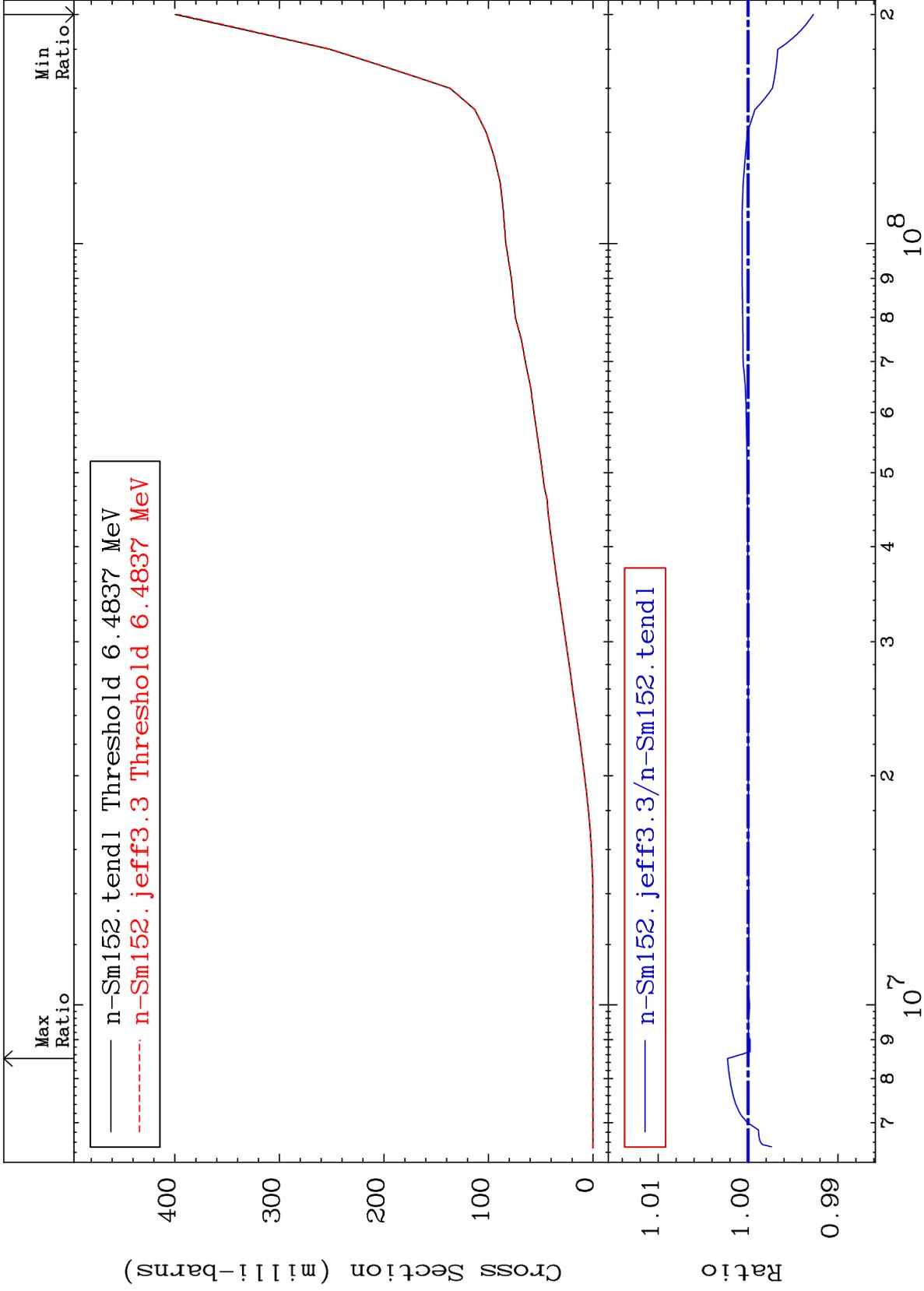
Incident Energy (eV)

62-Sm-152

MAT 6249

Deuterium Production
Cross Section

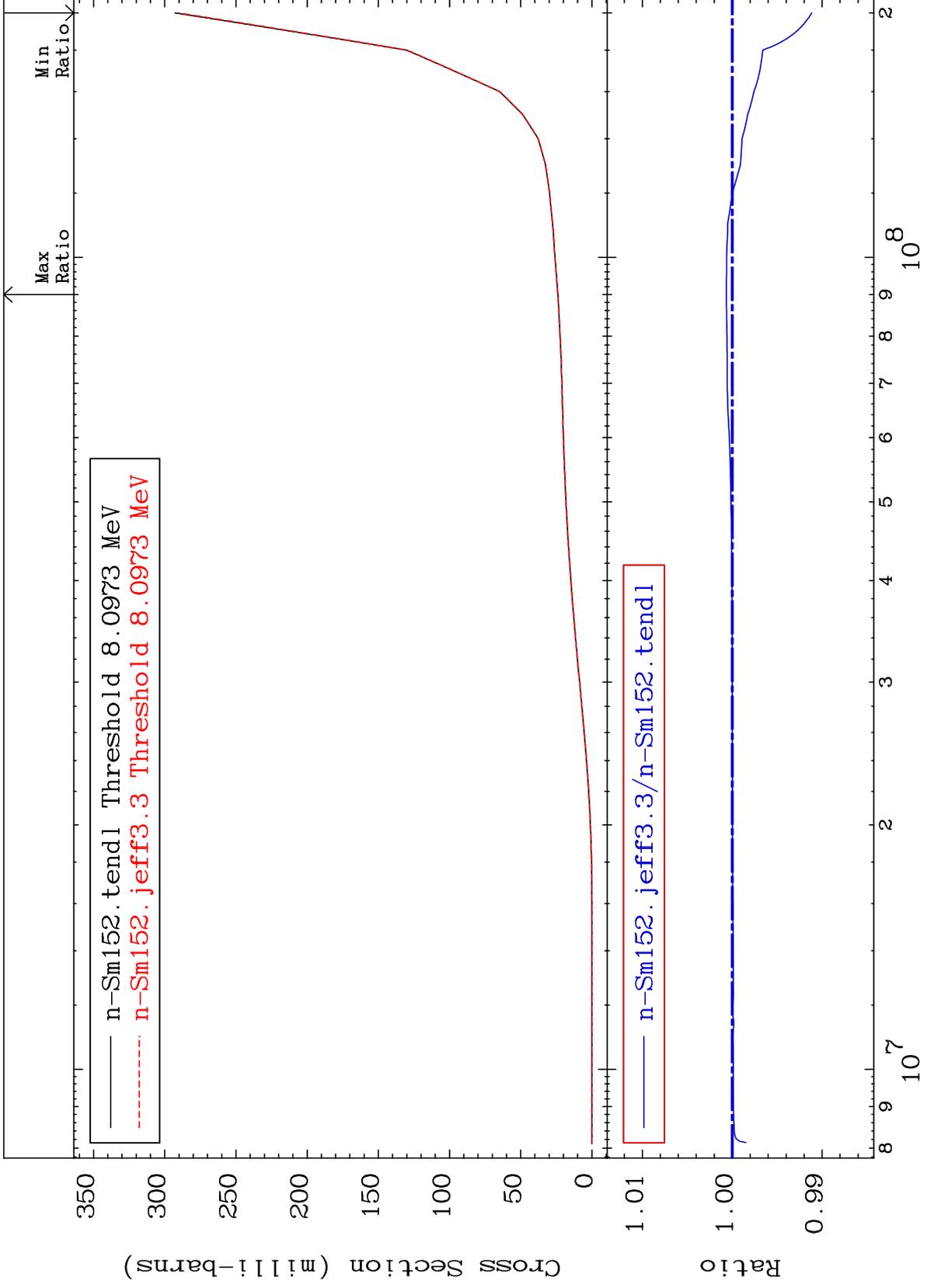
62-Sm-152
-0.726 To 0.229 %



MAT 6249

Tritium Production
Cross Section

62-Sm-152
-0.885 To 0.065 %



42

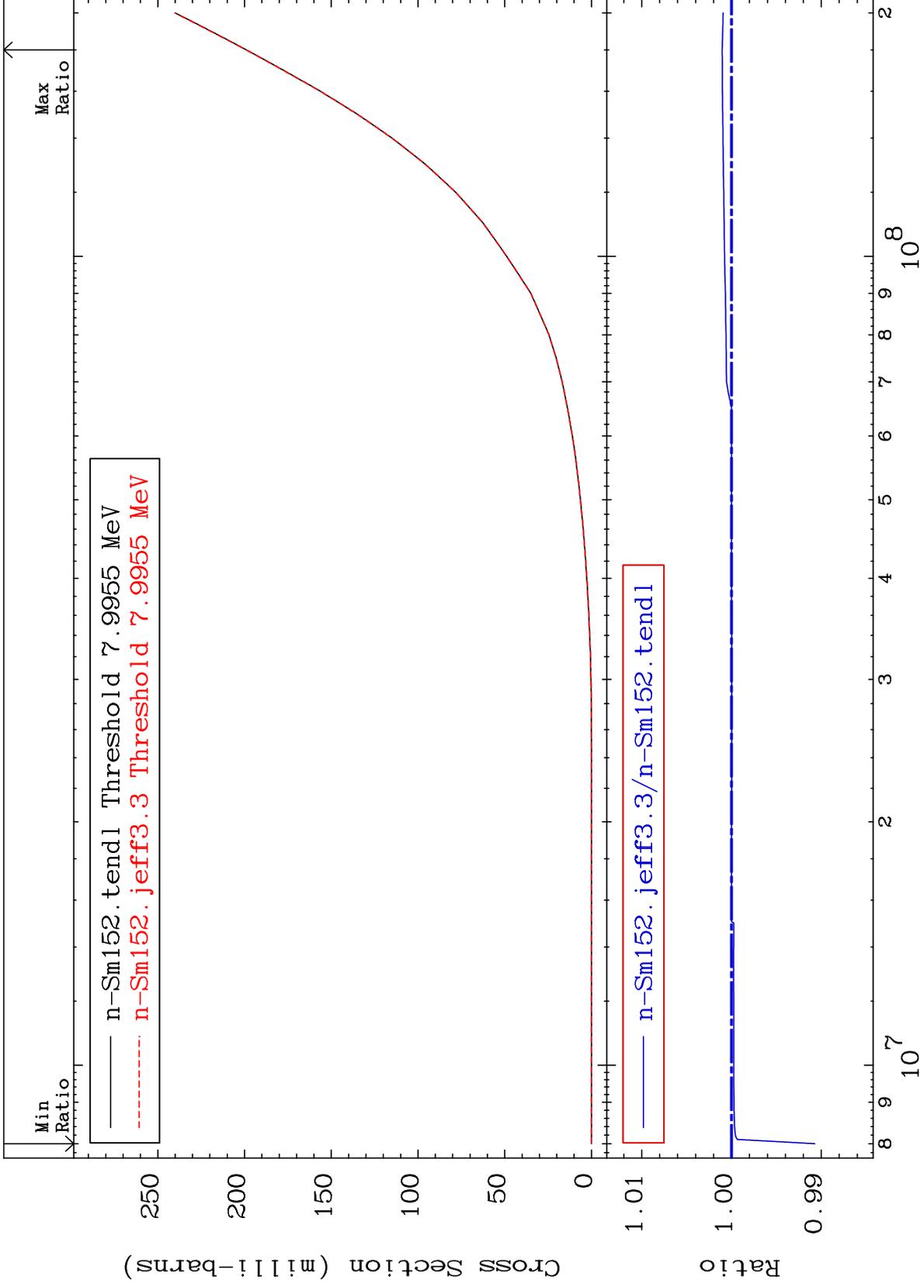
Incident Energy (eV)

62-Sm-152

MAT 6249

He-3 Production
Cross Section

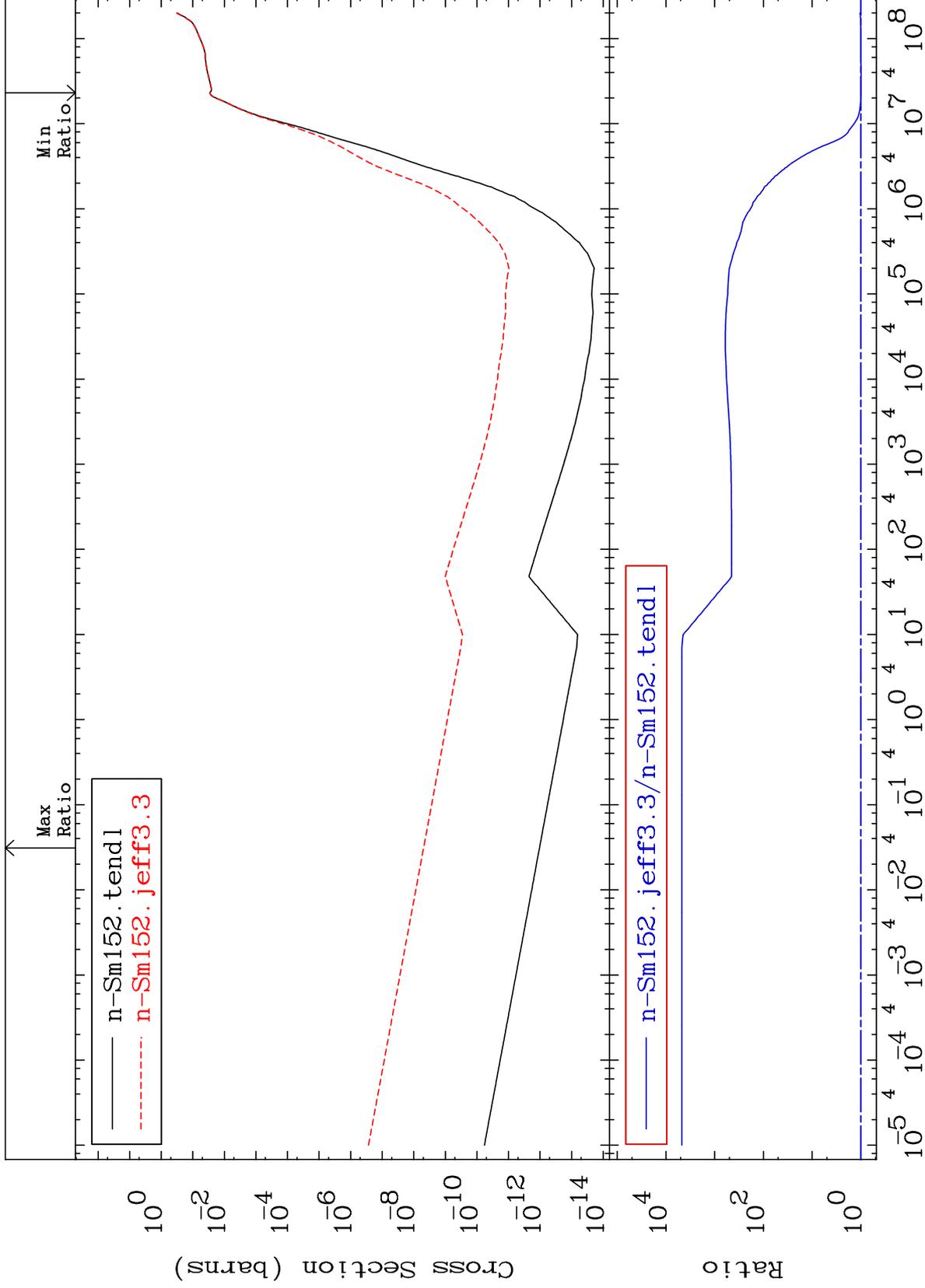
62-Sm-152
-0.927 To 0.104 %



MAT 6249

He-4 Production
Cross Section

62-Sm-152
-1.158 To 9999. %



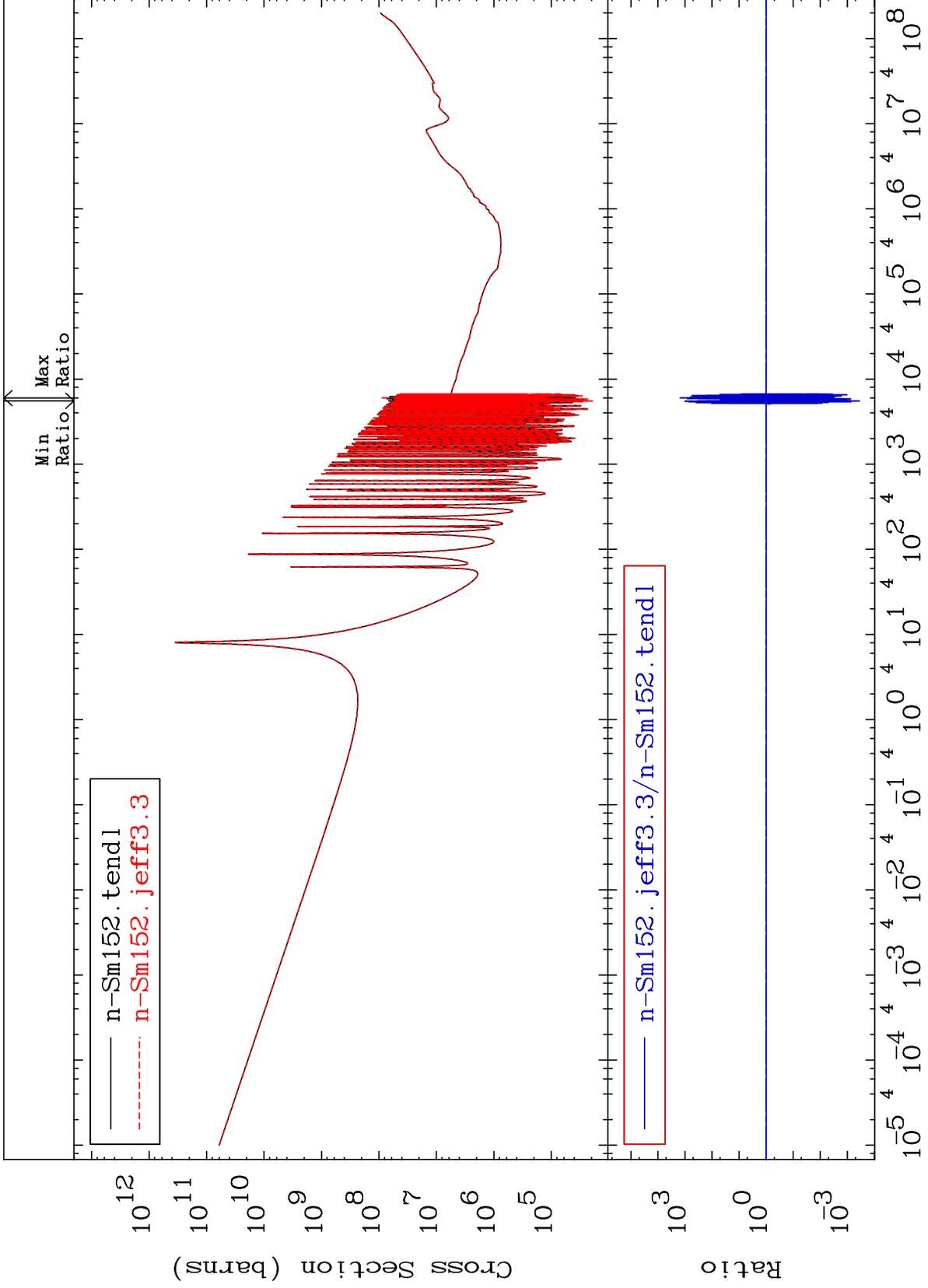
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma total (eV-barns)
Cross Section

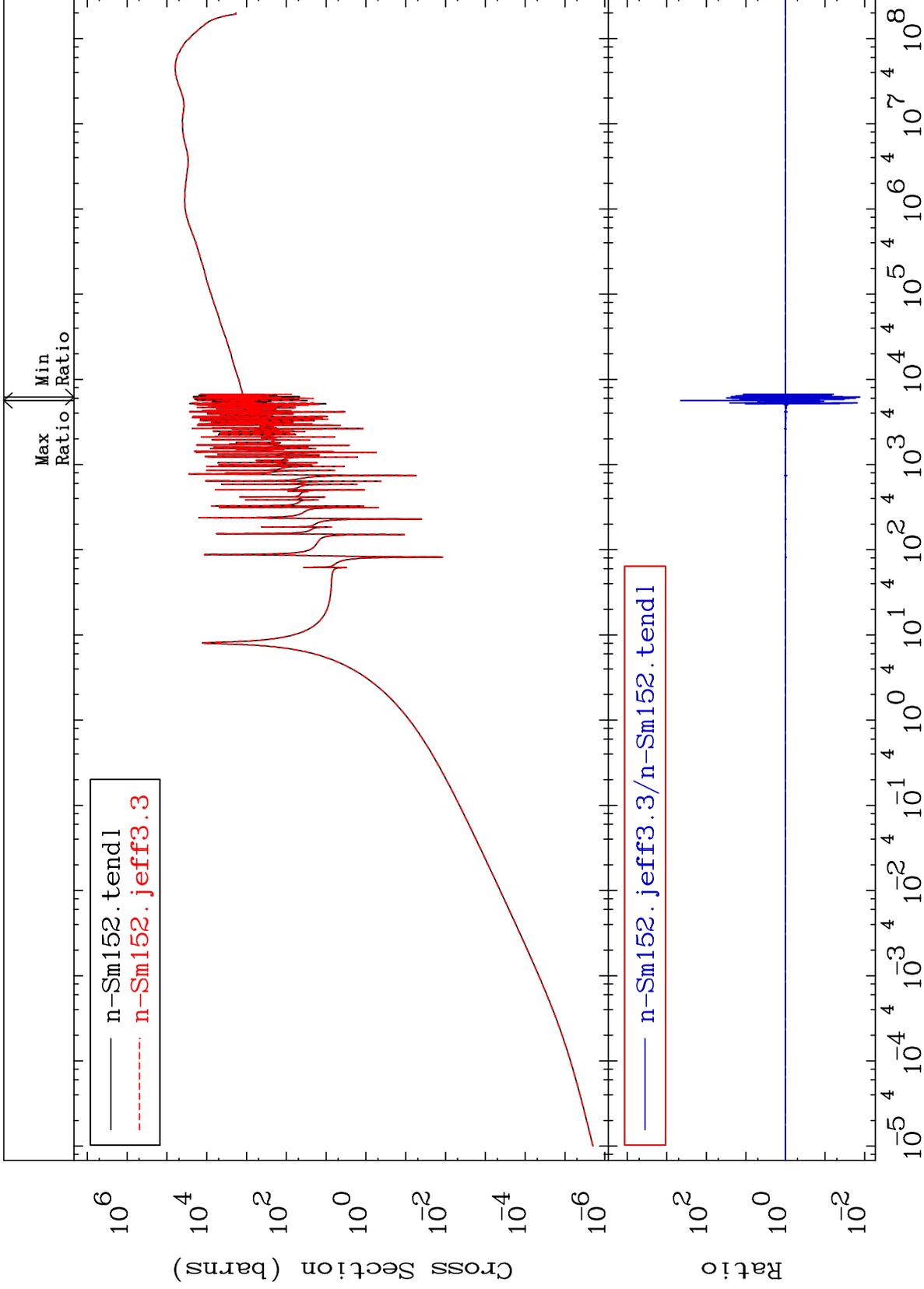
62-Sm-152
-99.96 To 9999. %

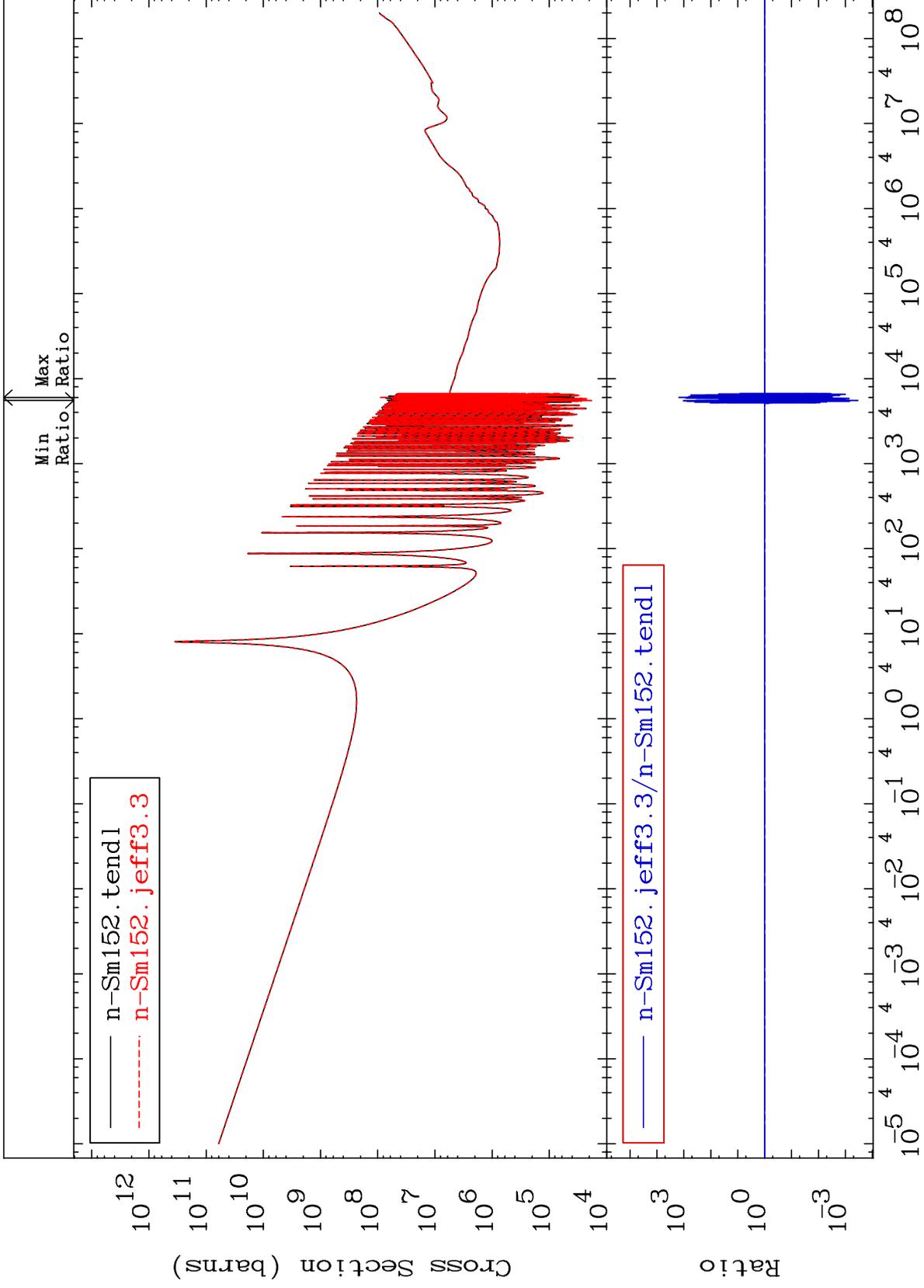


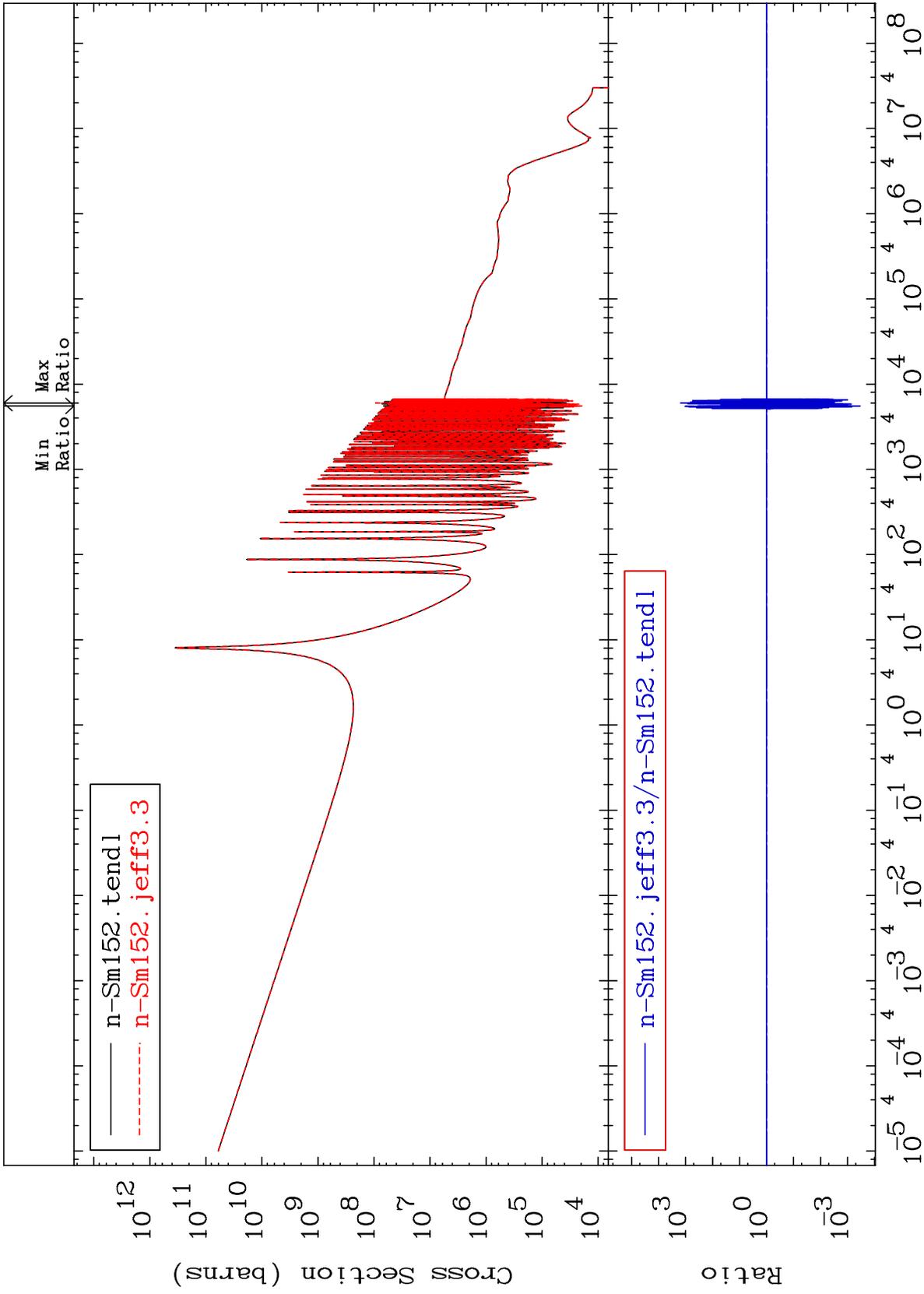
MAT 6249

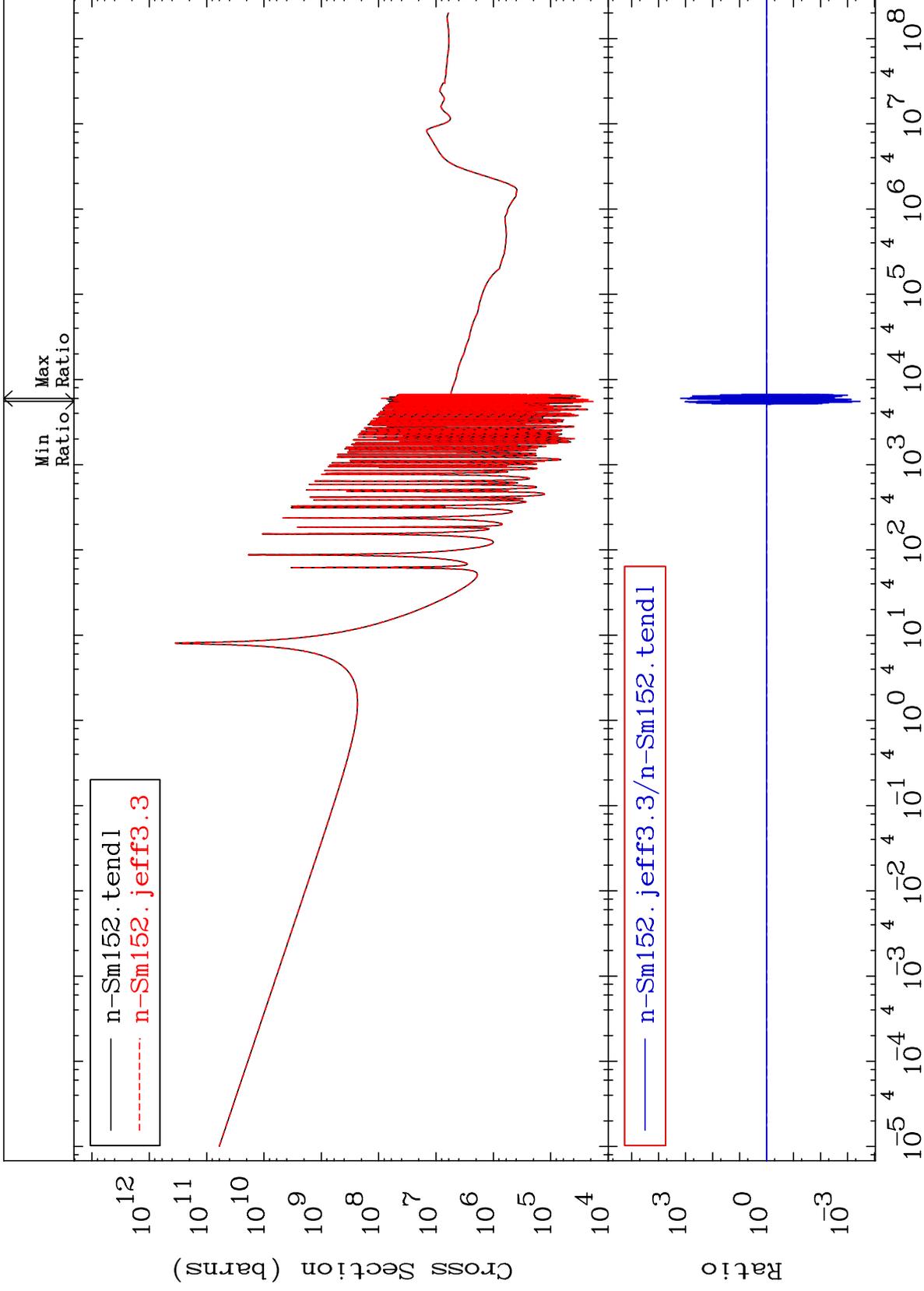
Kerma elastic
Cross Section

62-Sm-152
-98.69 To 9999. %





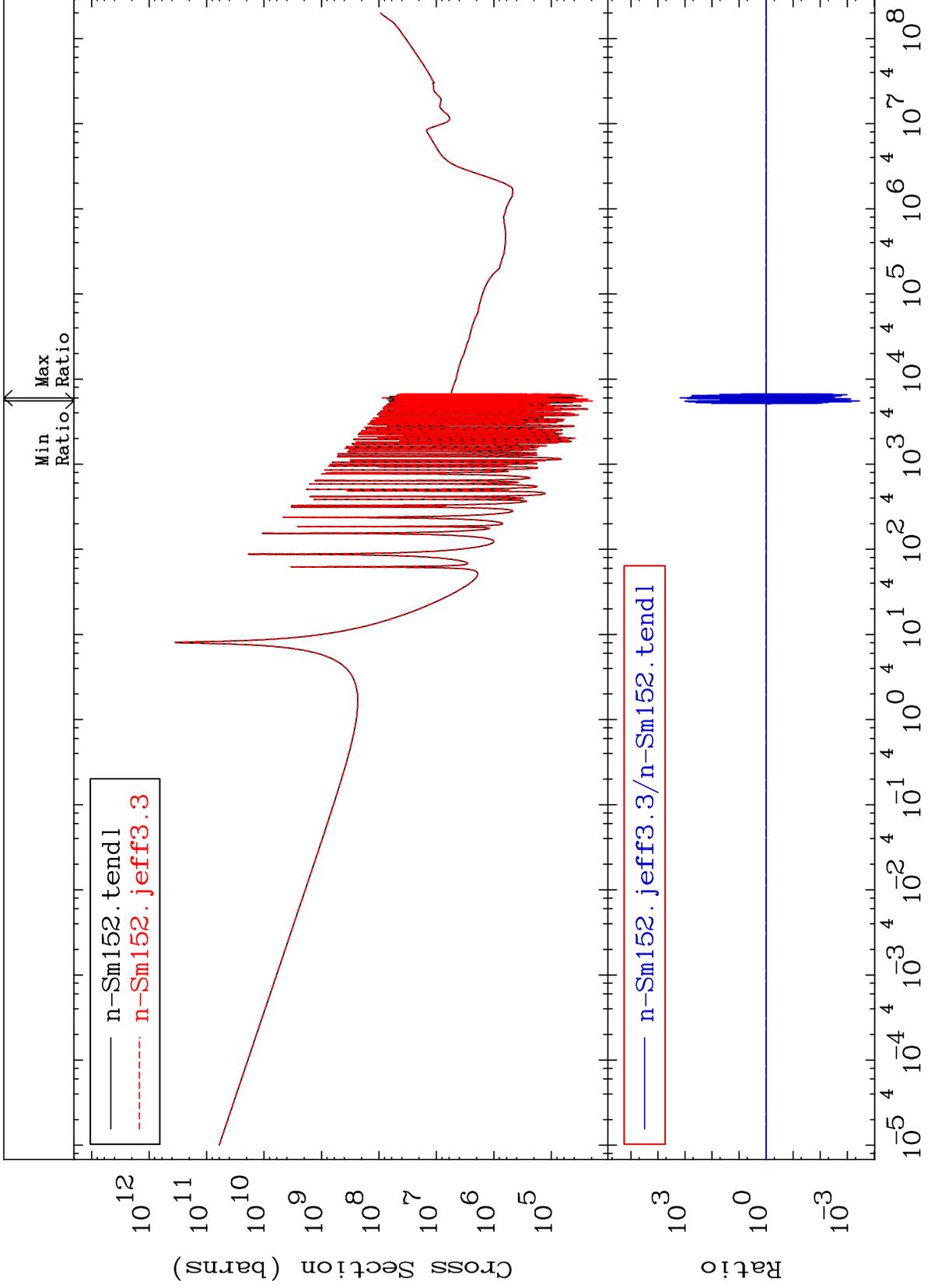


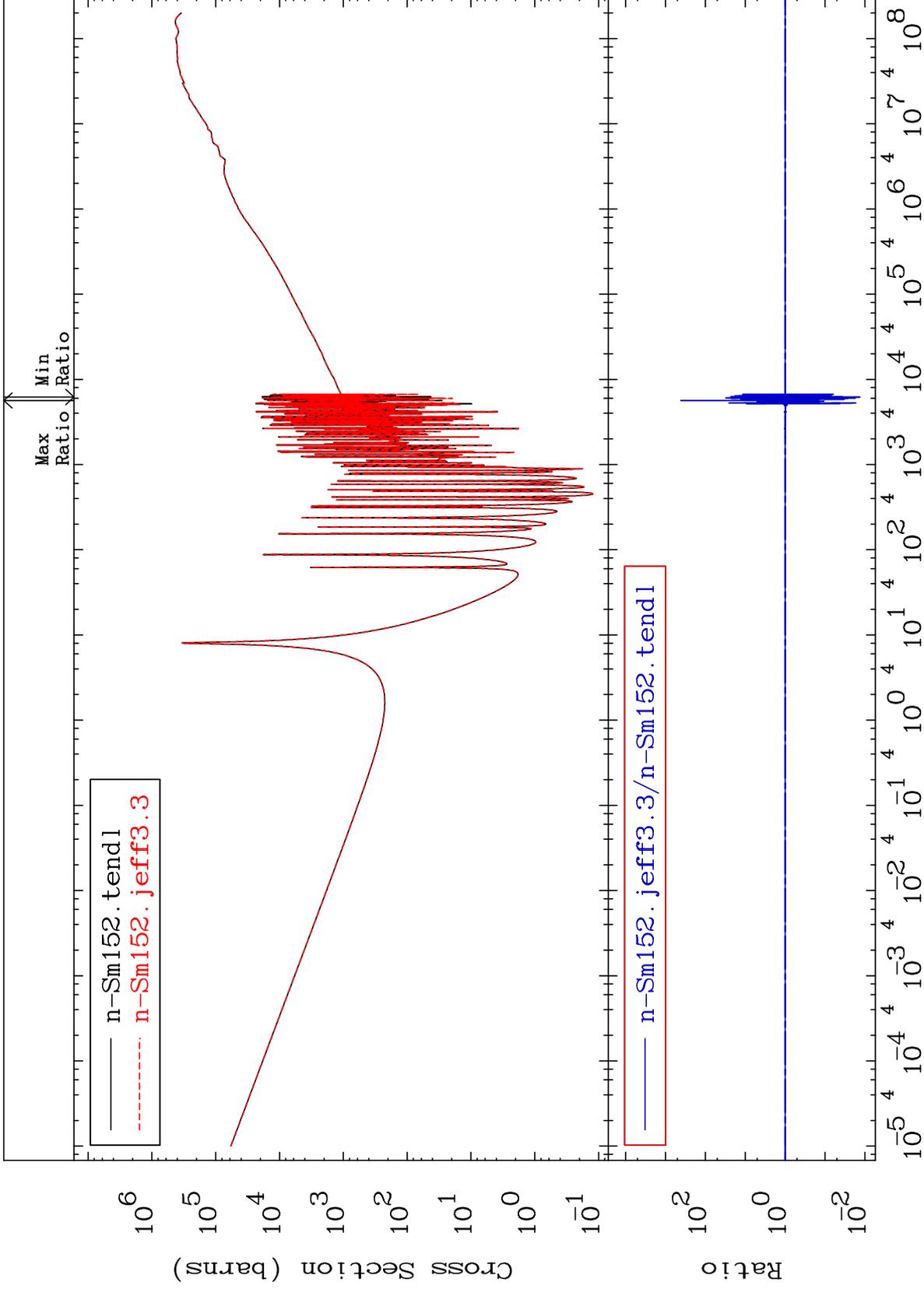


MAT 6249

Total kinematic kerma (high limit)
Cross Section

62-Sm-152
-99.96 To 9999. %

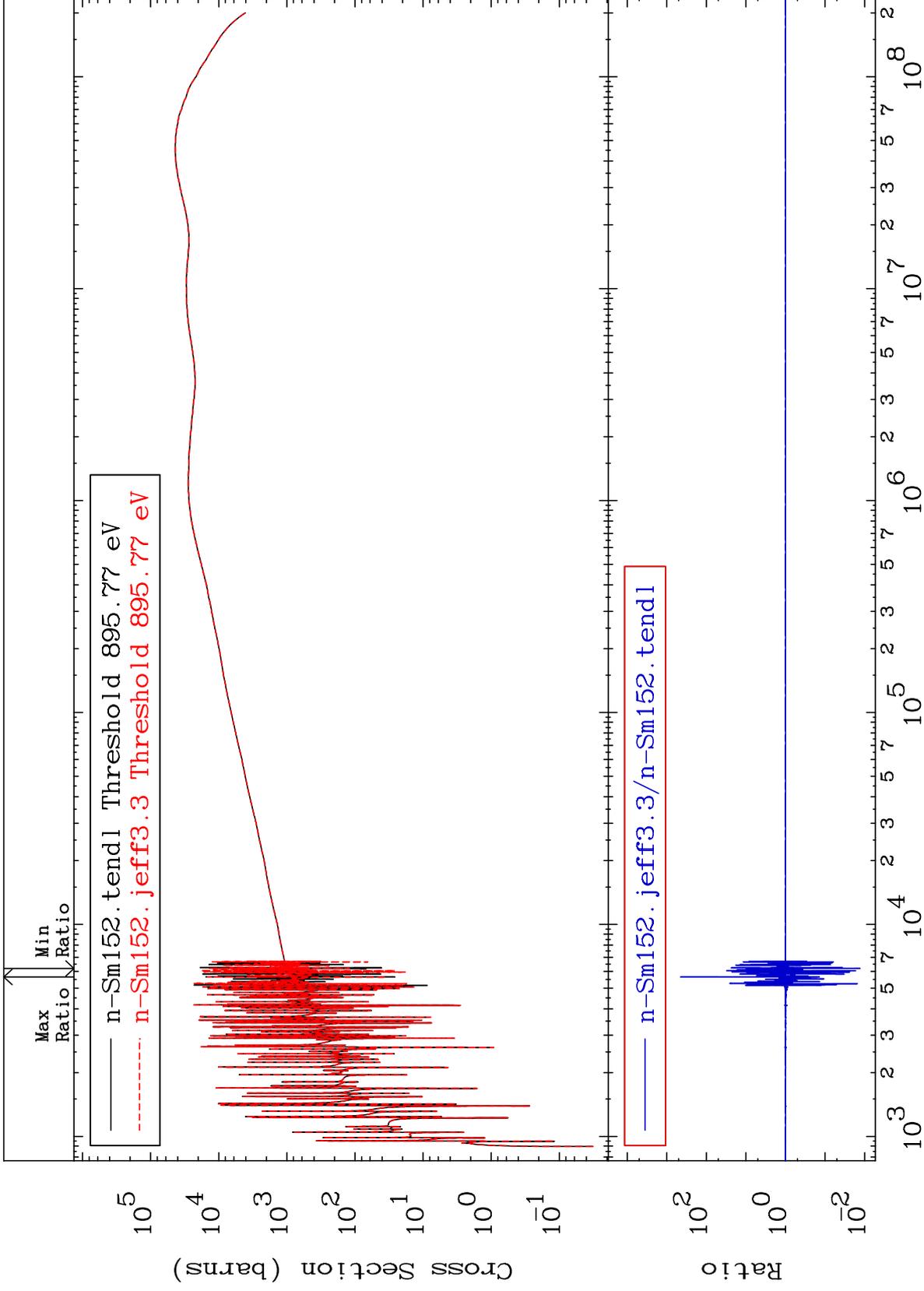


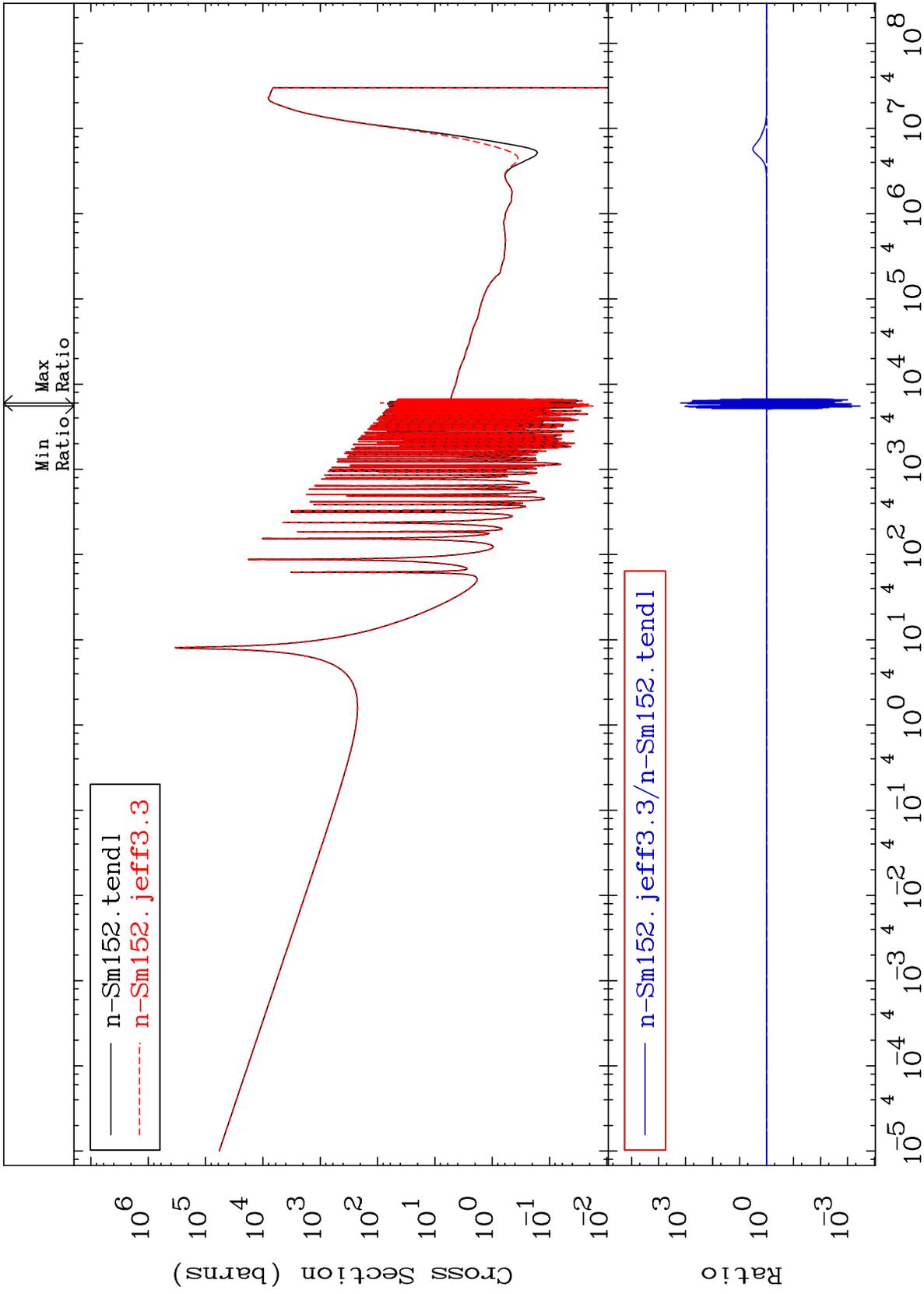


MAT 6249

Dpa elastic (mt2)
Cross Section

62-Sm-152
-98.69 To 9999. %





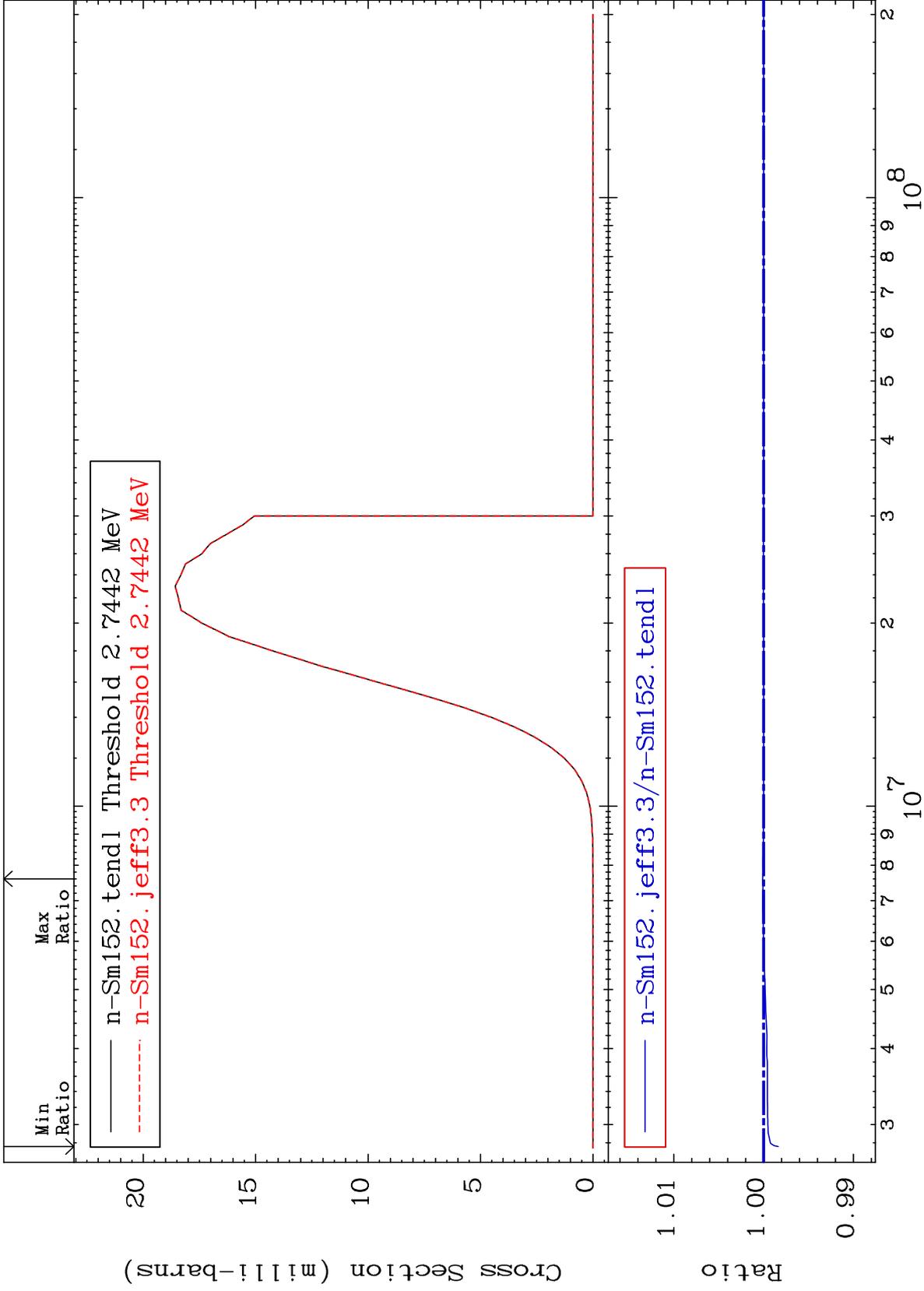
MAT 6249

(n, p) : 61-Pm-152g

62-Sm-152

Radionuclide Production Cross Section

-0.163 To 0.011 %

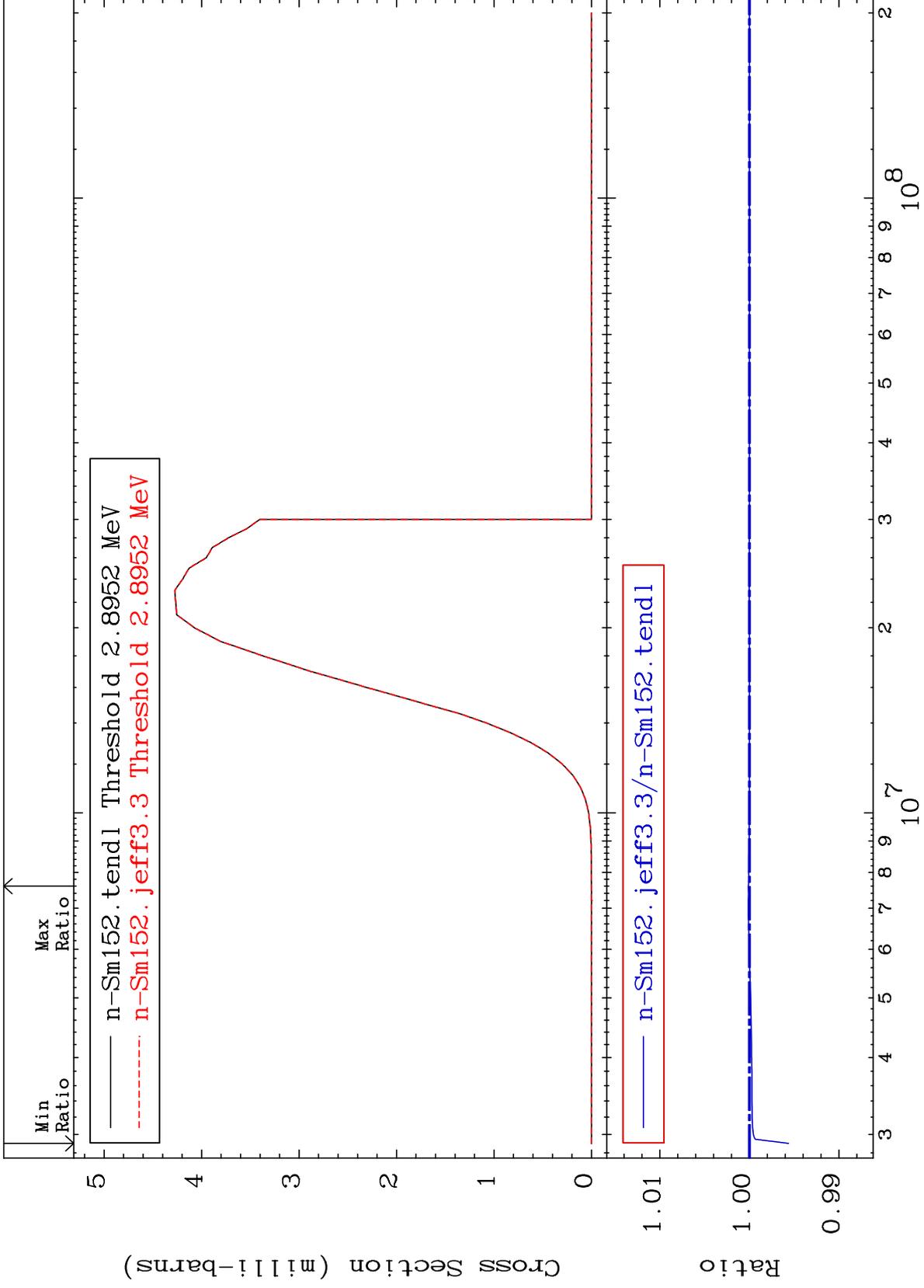


MAT 6249

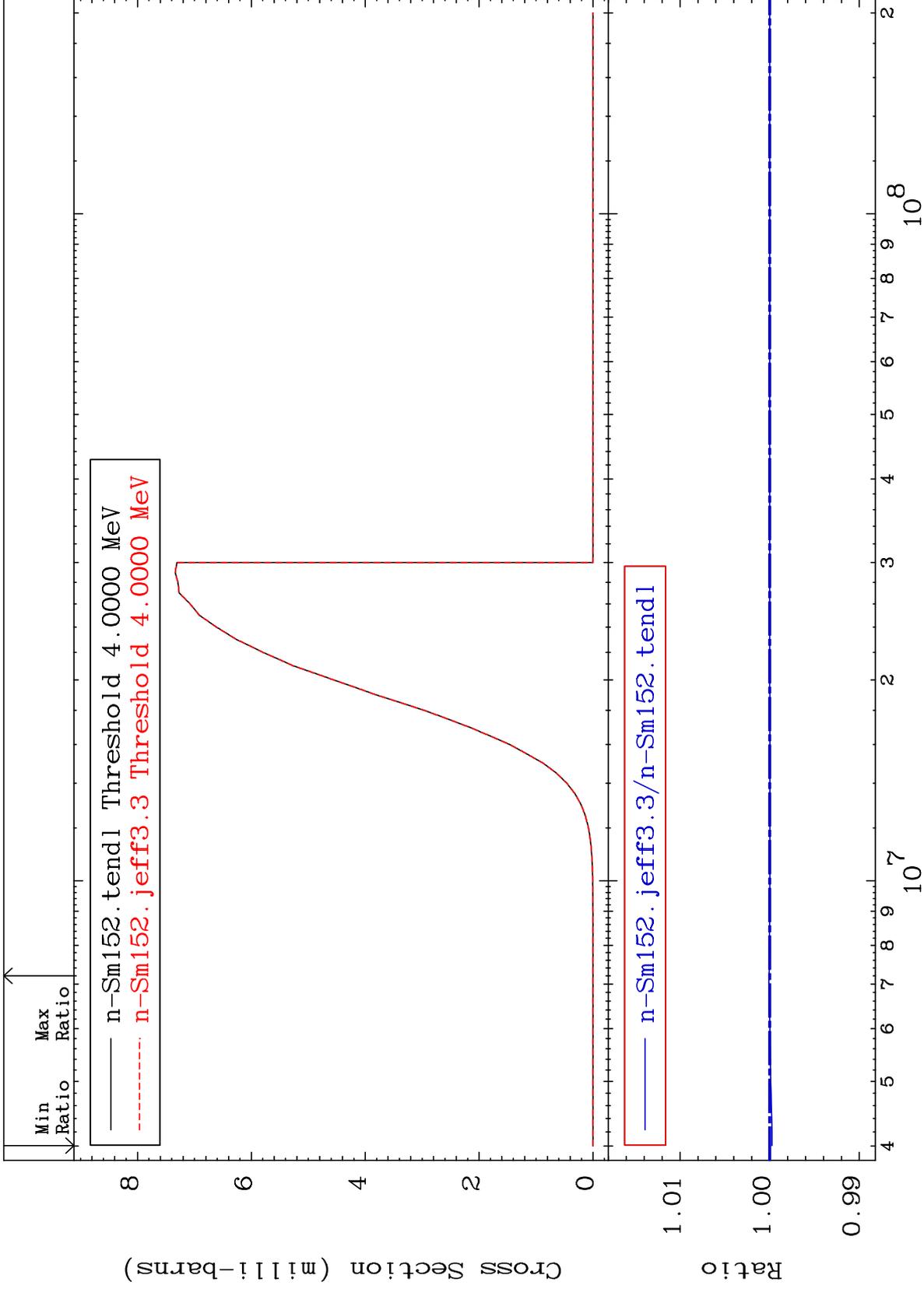
(n, p) : 61-Pm-152m4

62-Sm-152

Radionuclide Production Cross Section -0.438 To 0.012 %



Radionuclide Production Cross Section -0.025 To 0.009 %

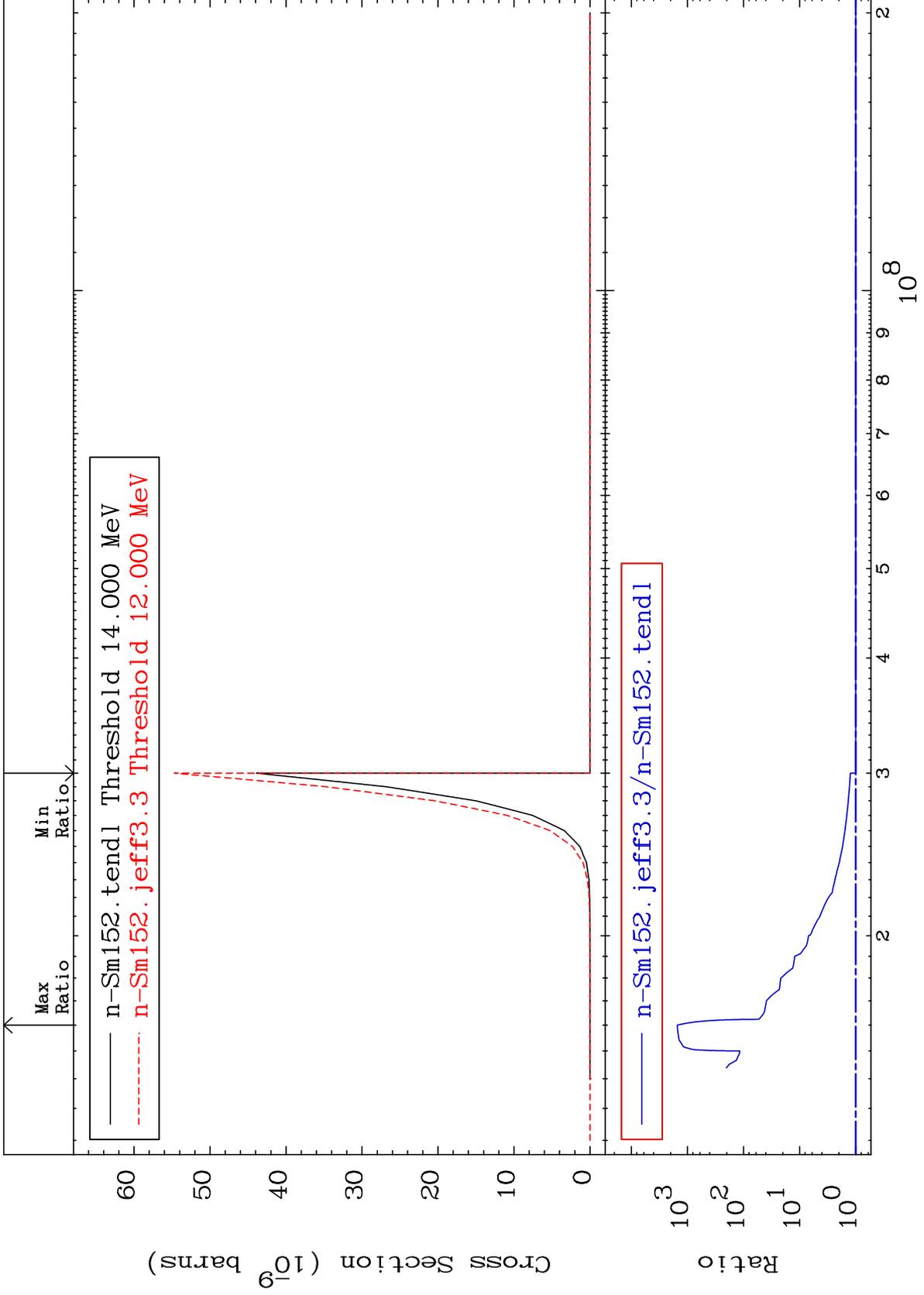


MAT 6249

(n, p) α :59-Pr-148g

62-Sm-152
To 9999. %

Radionuclide Production Cross Section 0.000



Radionuclide Production Cross Section 0.000 To 9999. %

