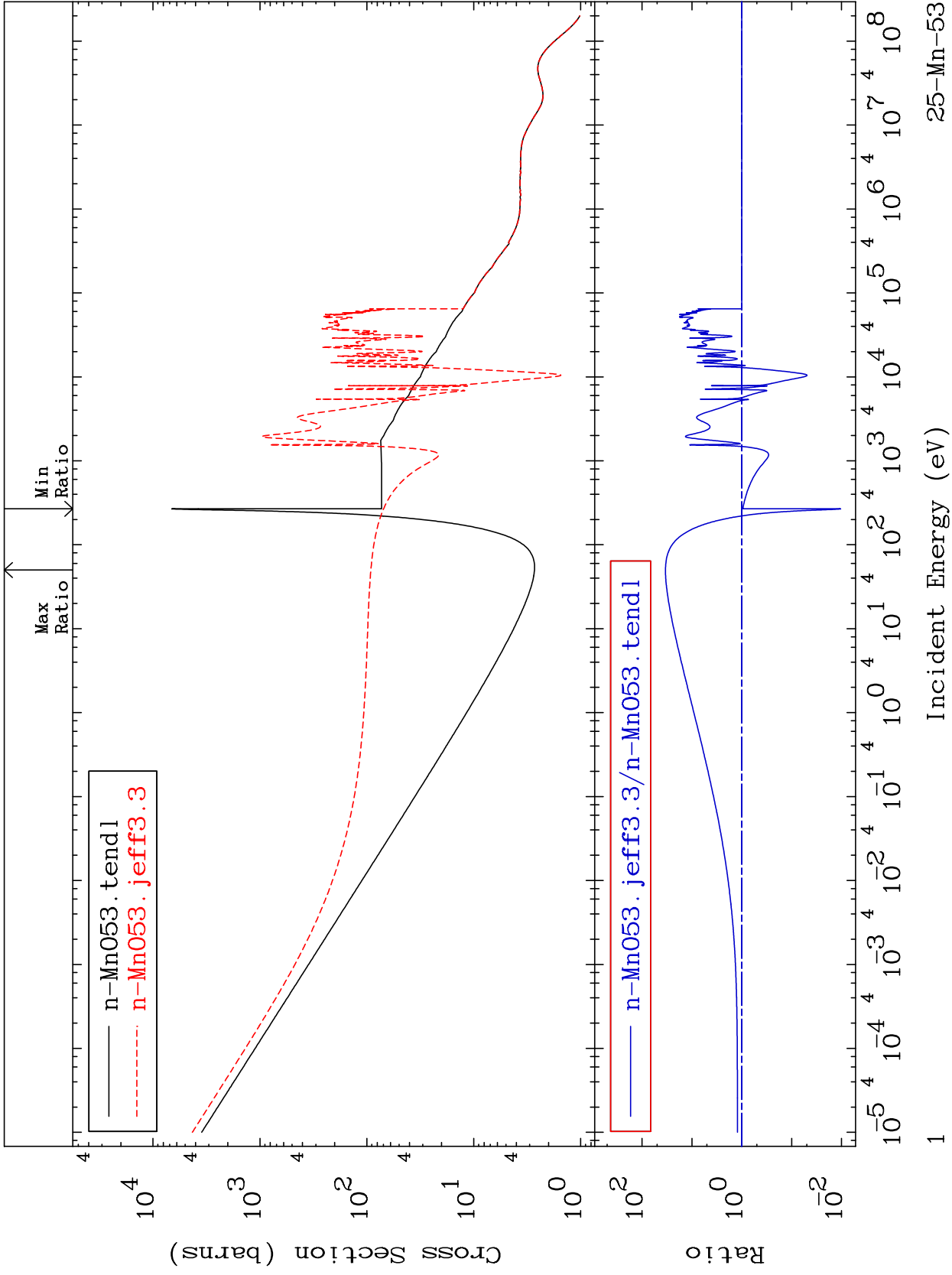


MAT 2519

Total
Cross Section

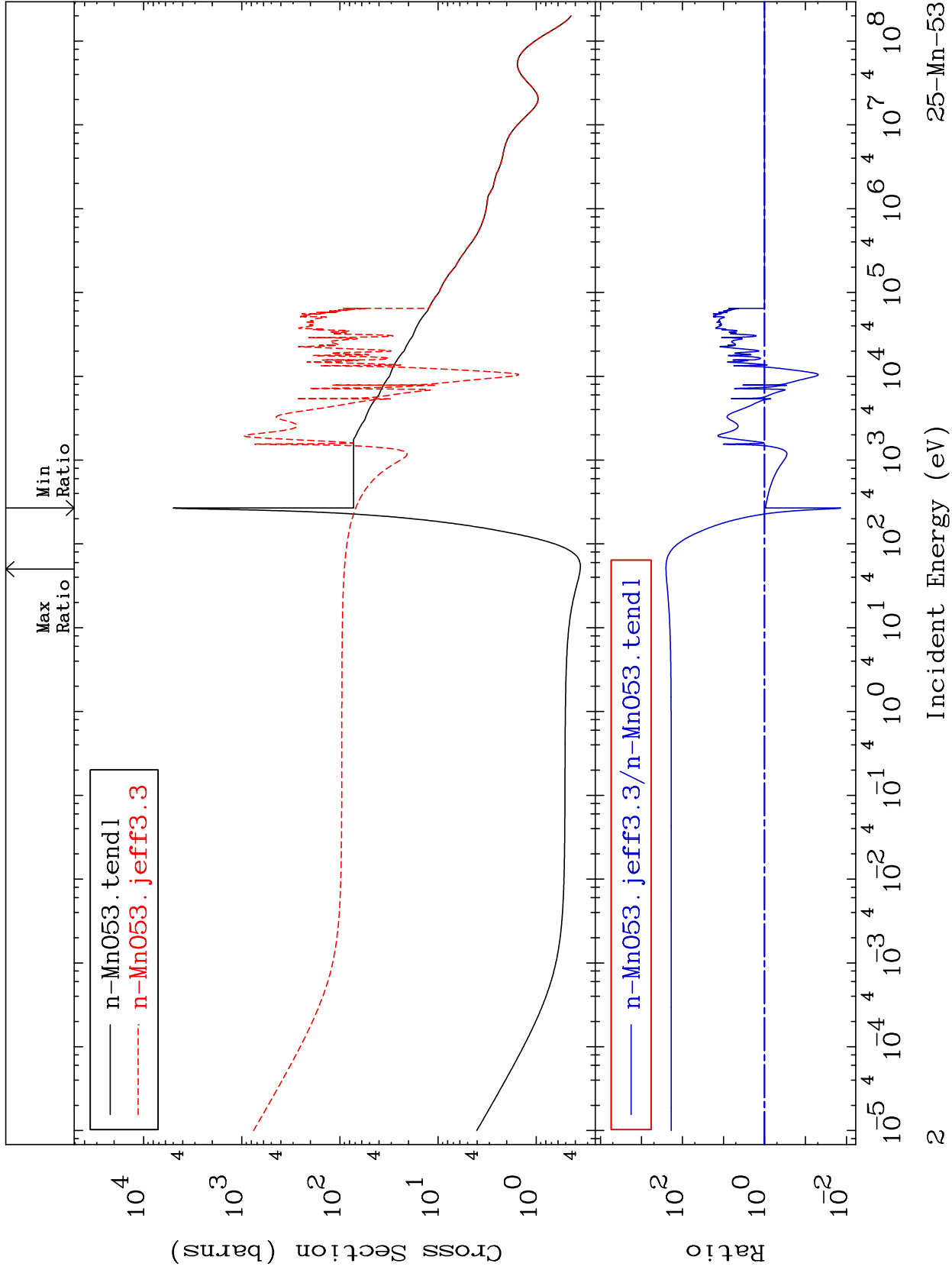
25-Mn-53
-98.96 To 3288. %



MAT 2519

Elastic
Cross Section

25-Mn-53
-98.63 To 9999. %



25-Mn-53

Incident Energy (eV)

2

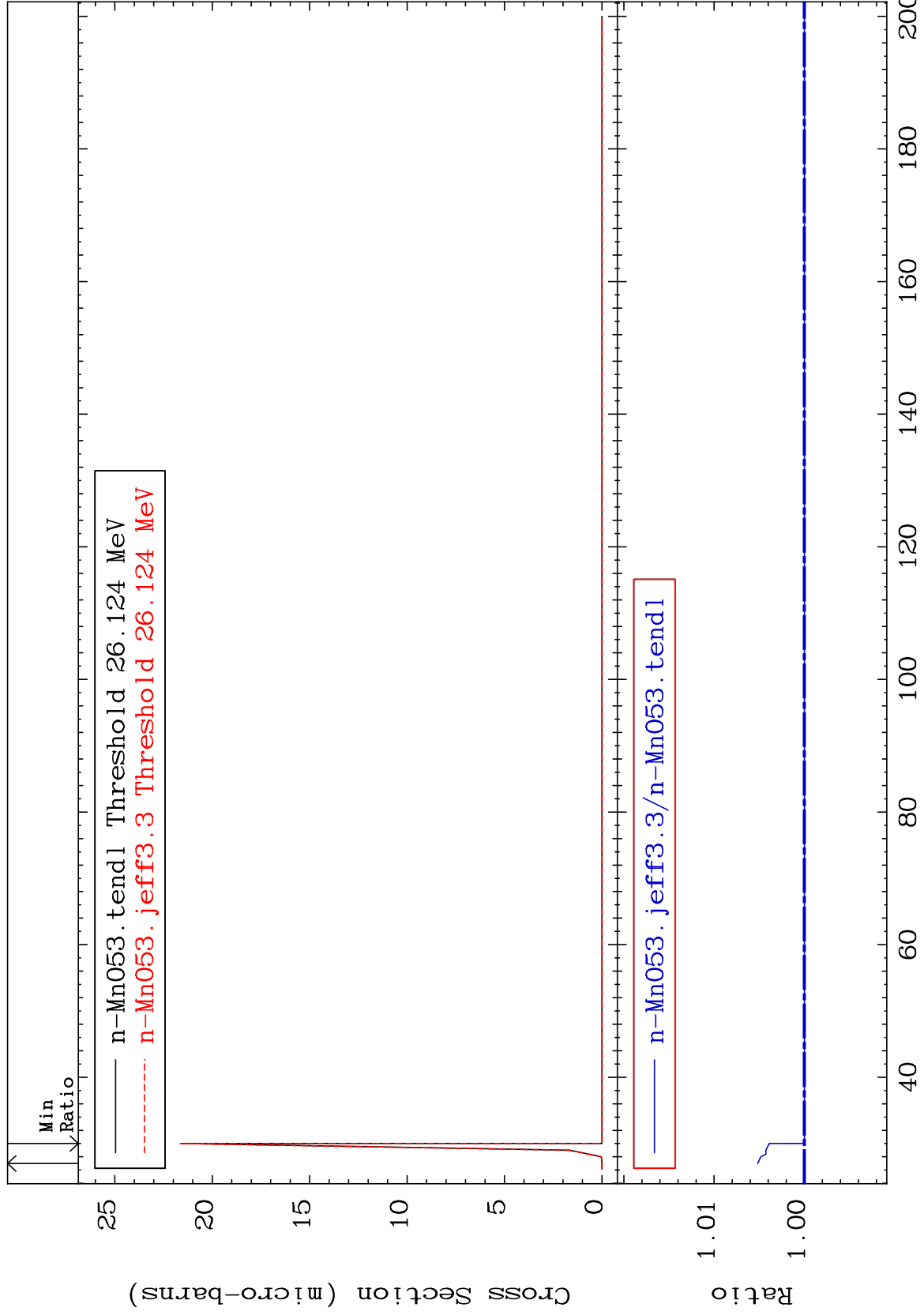
MAT 2519

(n,2n) d

25-Mn-53

Cross Section

0.000 To 0.518 %



MAT 2519

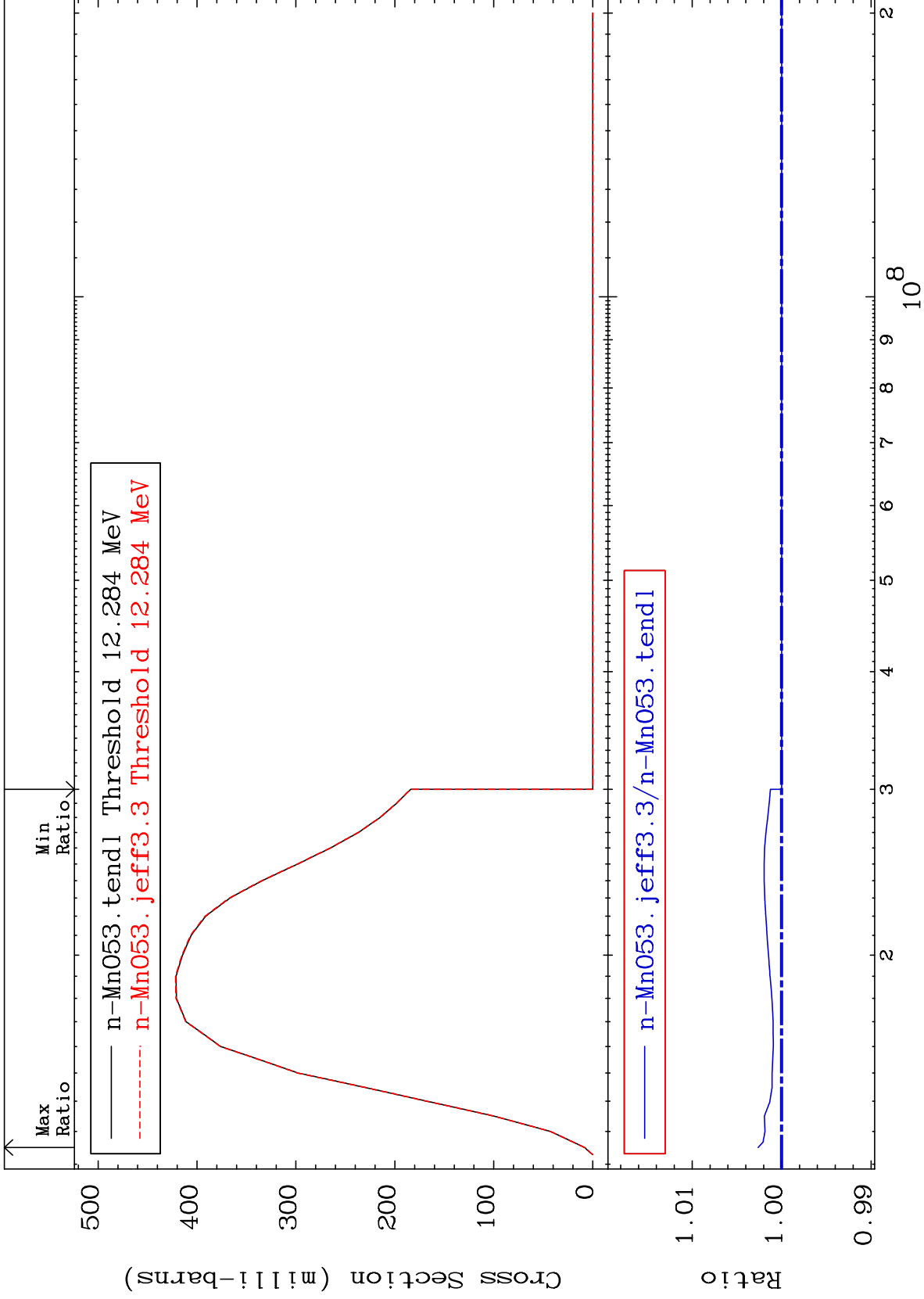
(n,2n)

²⁵Mn-53

Cross Section

0.000

To 0.262 %



5

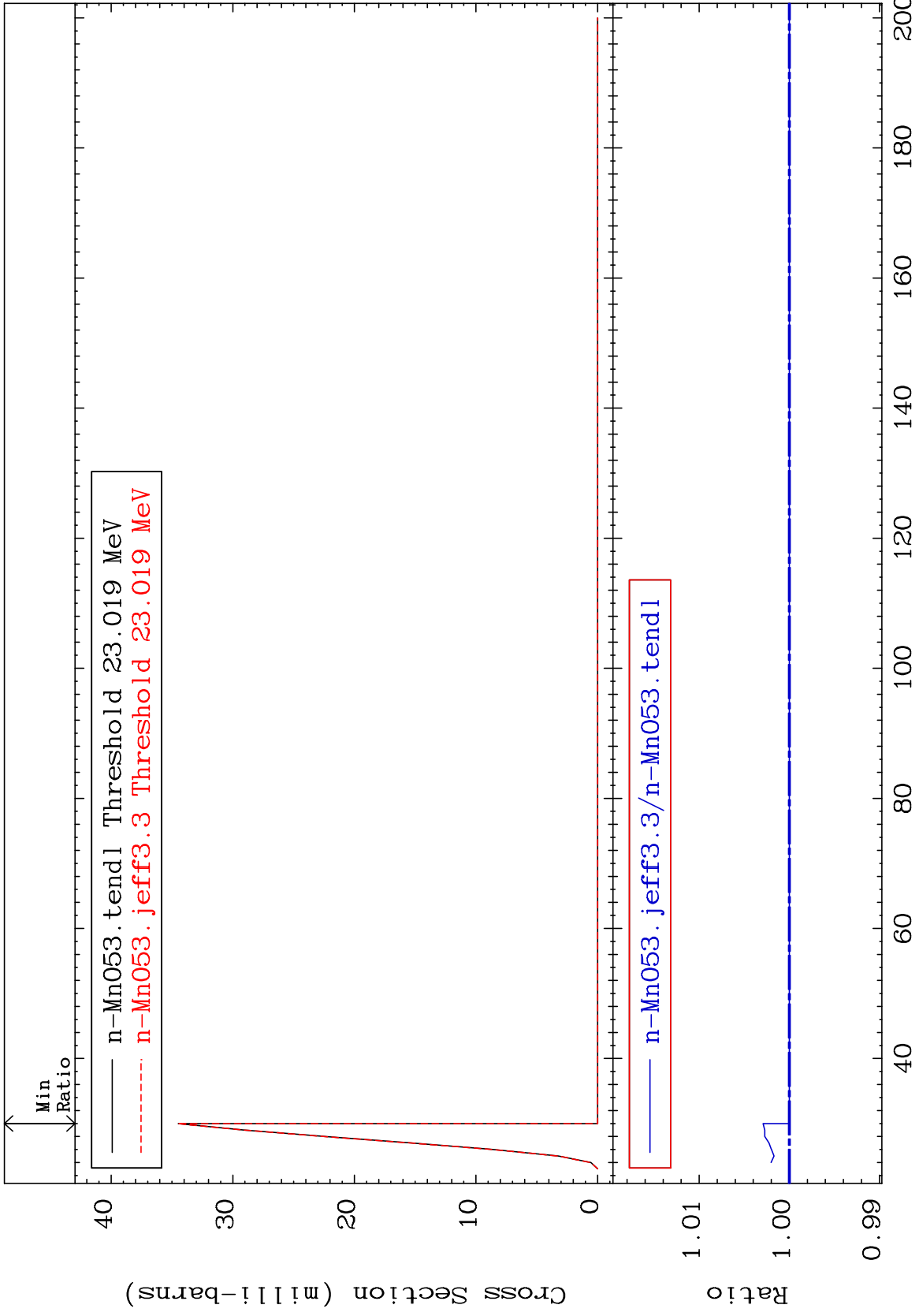
Incident Energy (eV)

²⁵Mn-53

MAT 2519

(n,3n)
Cross Section

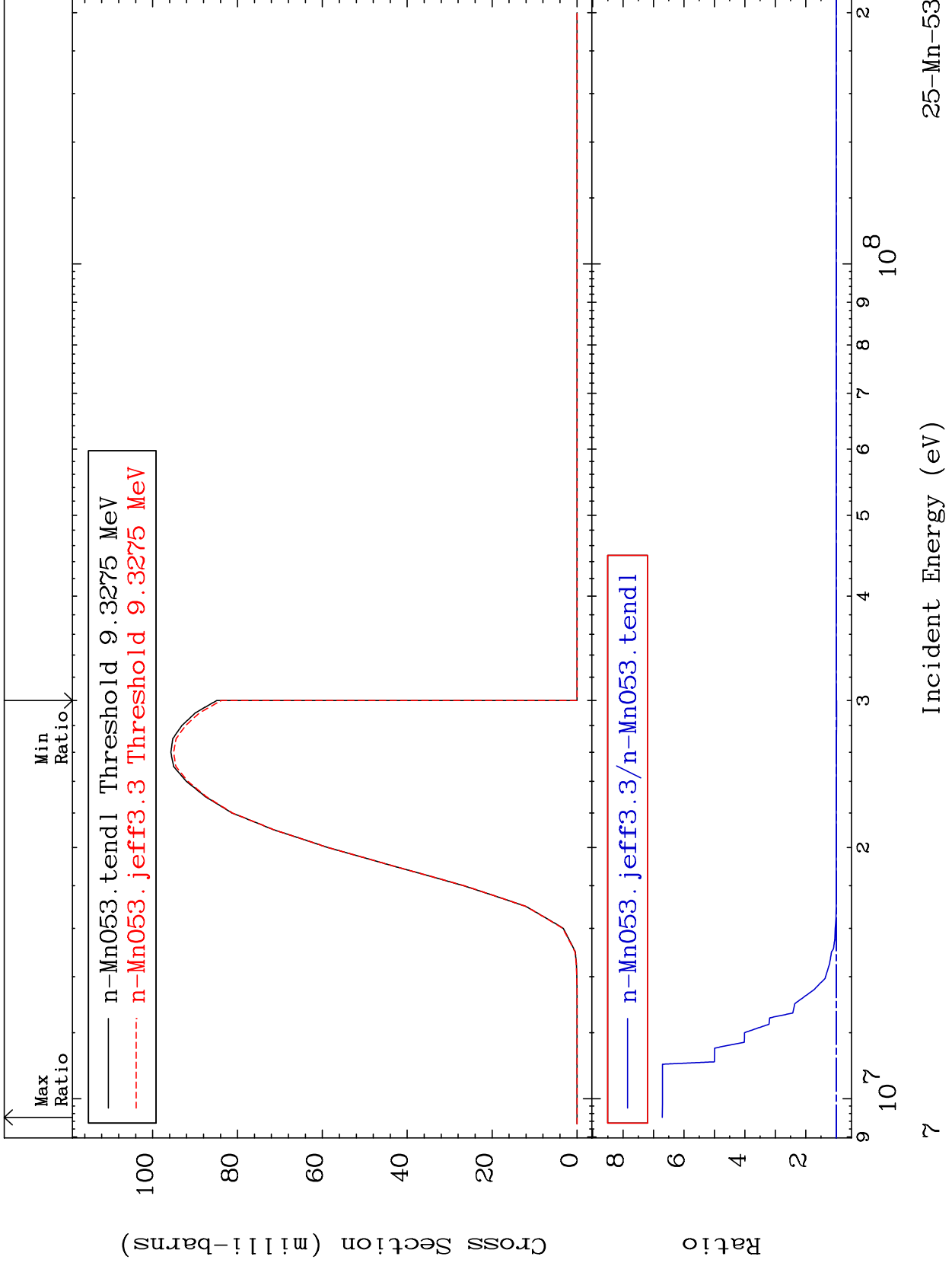
25-Mn-53
To 0.290 %



MAT 2519

(n,n') α
Cross Section

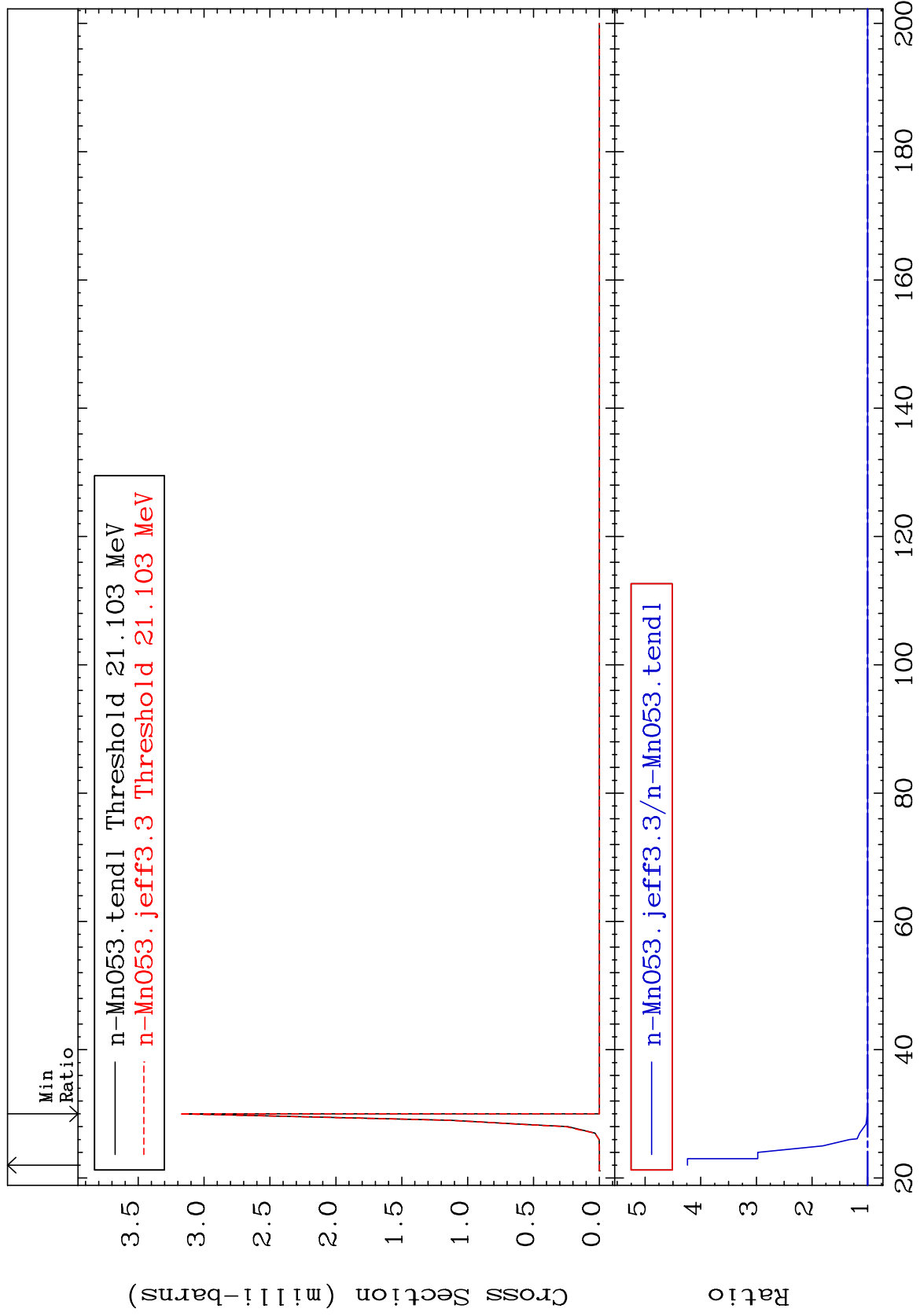
²⁵Mn-53
-1.253 To 571.1 %



MAT 2519

(n,2n) α
Cross Section

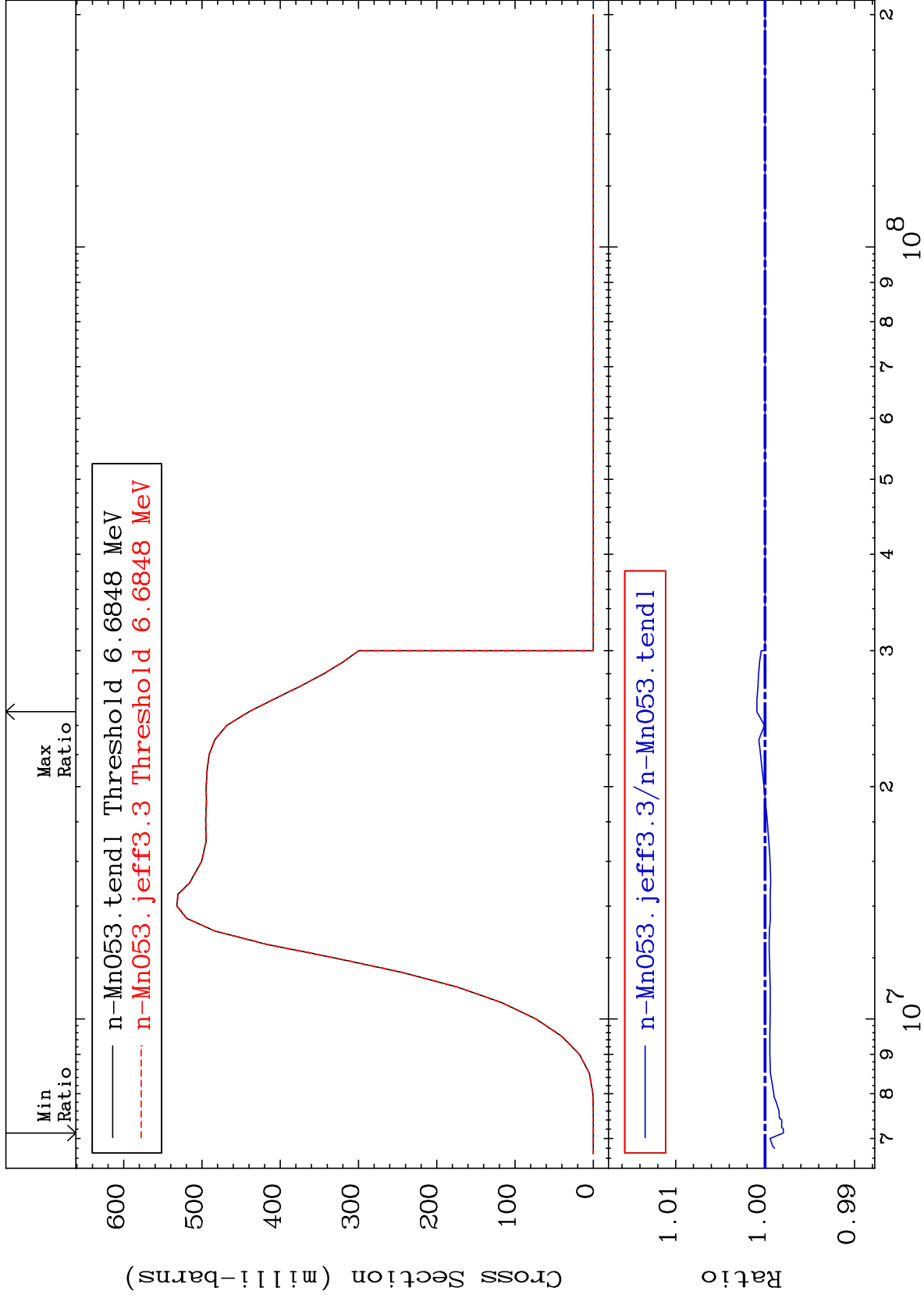
²⁵Mn-53
0.000 To 323.8 %



MAT 2519

(n,n') p
Cross Section

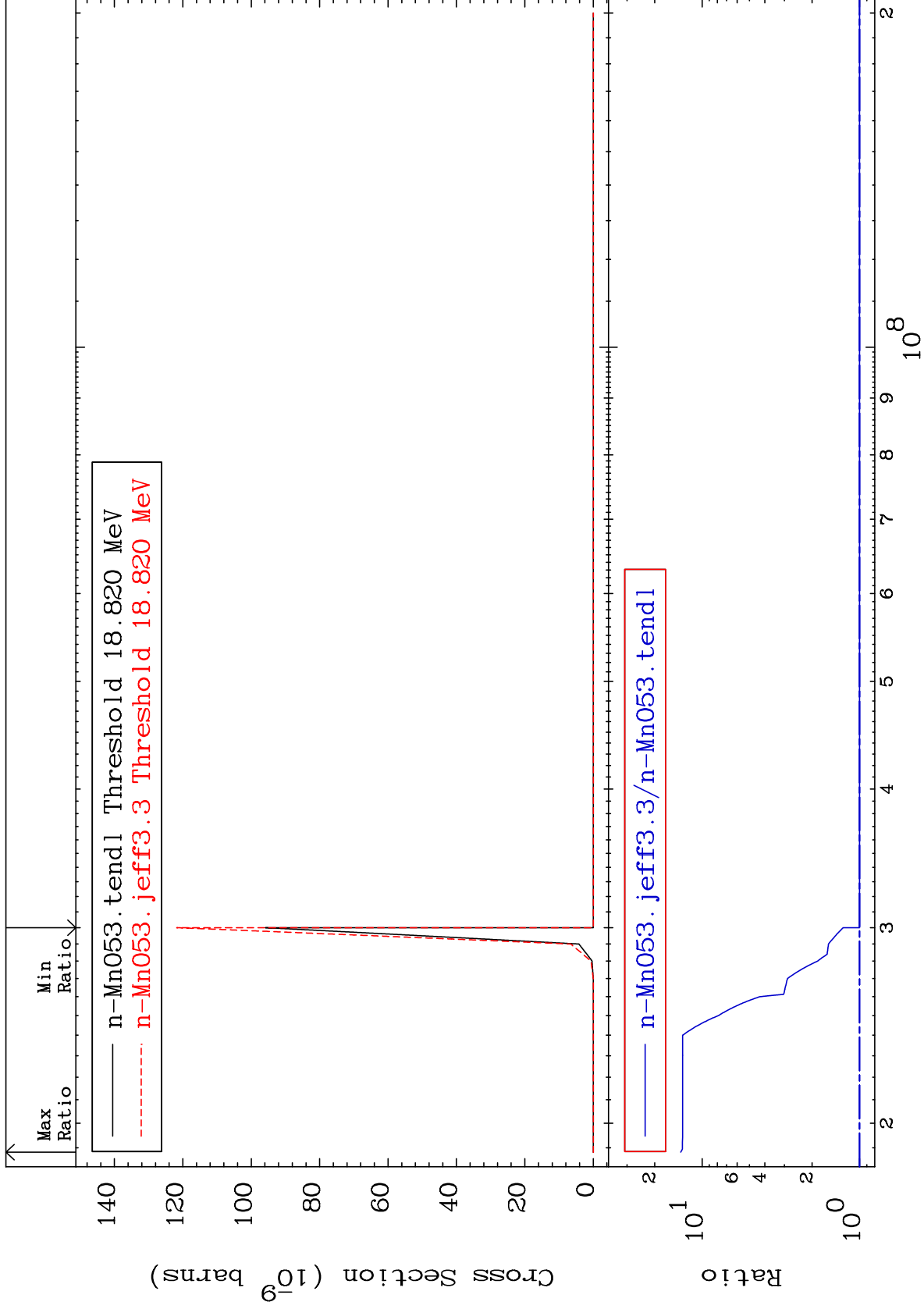
²⁵Mn-53
-0.205 To 0.092 %



MAT 2519

(n, n') 2α
Cross Section

25-Mn-53
To 1267. %



10

Incident Energy (eV)

25-Mn-53

MAT 2519

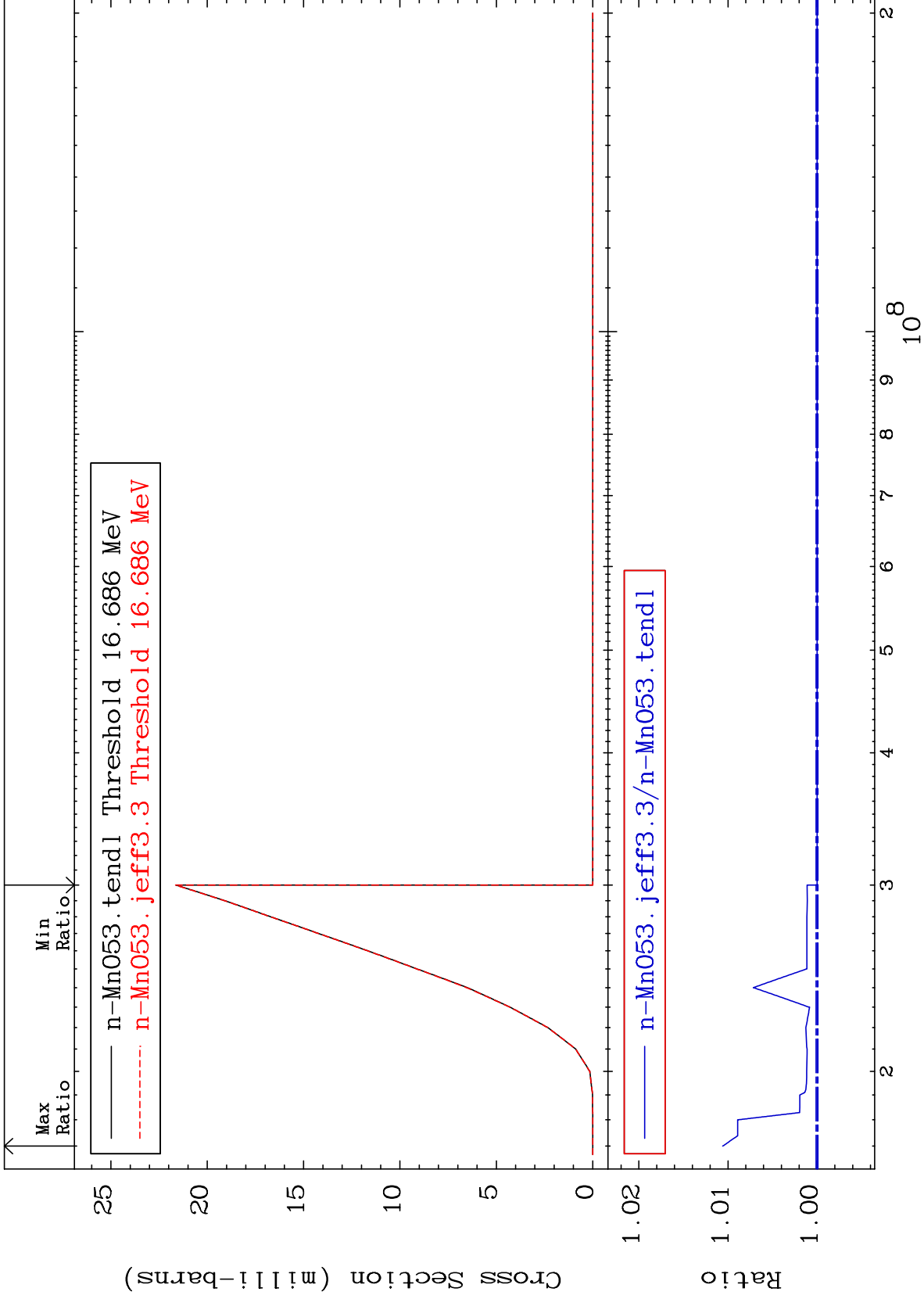
(n,n') d

25-Mn-53

Cross Section

0.000

To 1.059 %



11

Incident Energy (eV)

25-Mn-53

MAT 2519

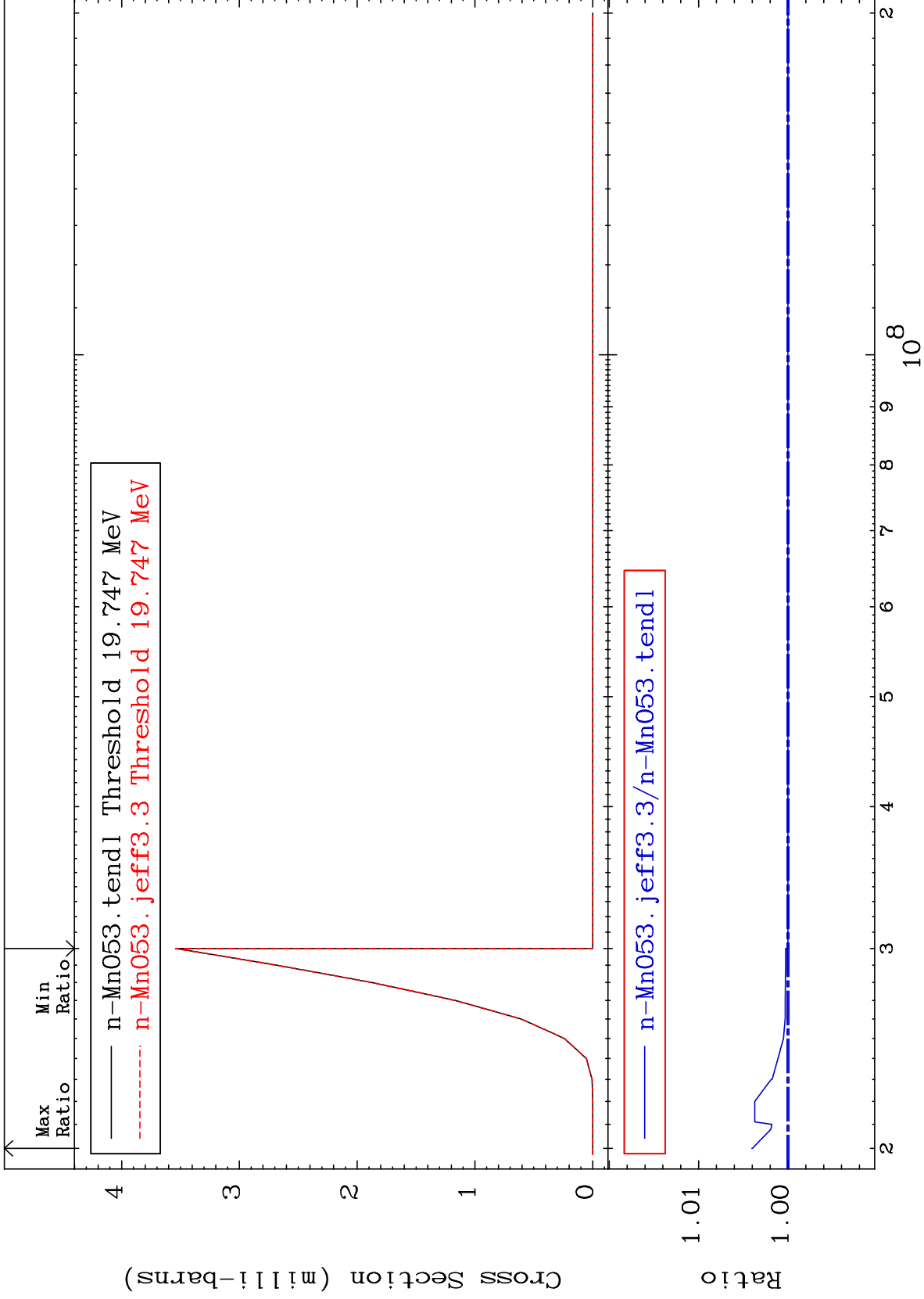
(n, n') t

²⁵Mn-53

Cross Section

0.000

To 0.404 %



12

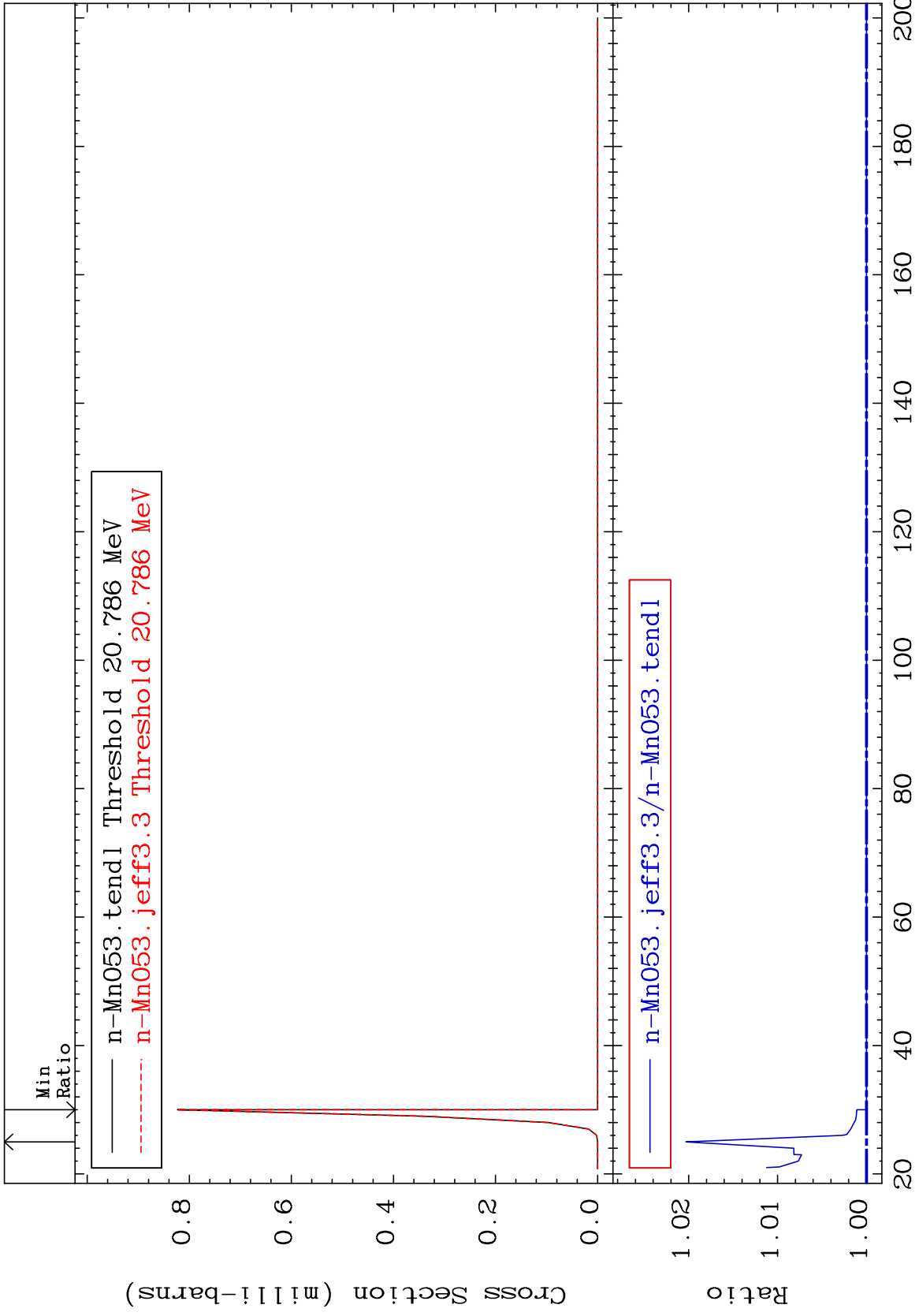
Incident Energy (eV)

²⁵Mn-53

MAT 2519

(n, n') He-3
Cross Section

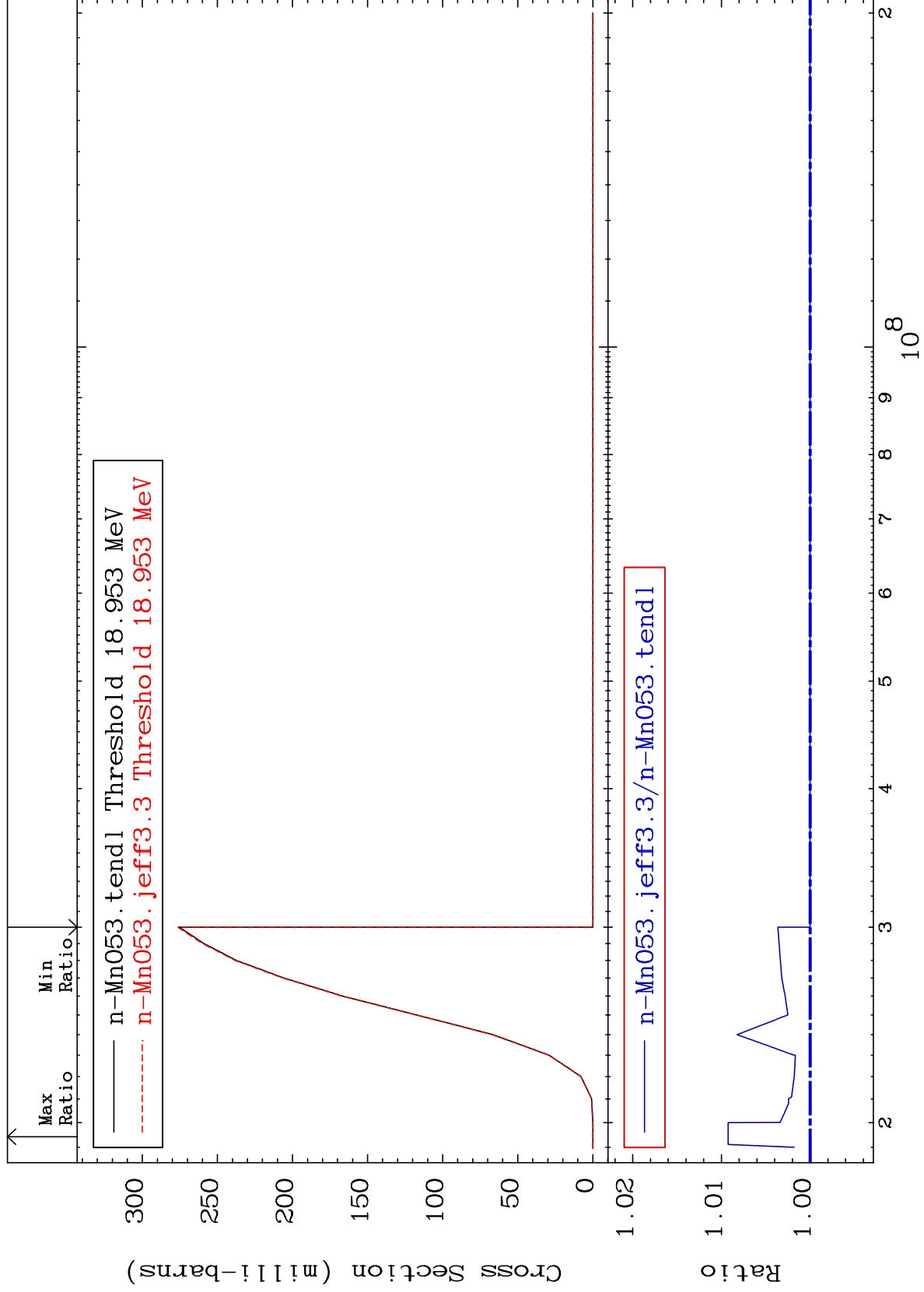
25-Mn-53
0.000 To 2.031 %



MAT 2519

(n,2n) p
Cross Section

25-Mn-53
To 0.925 %



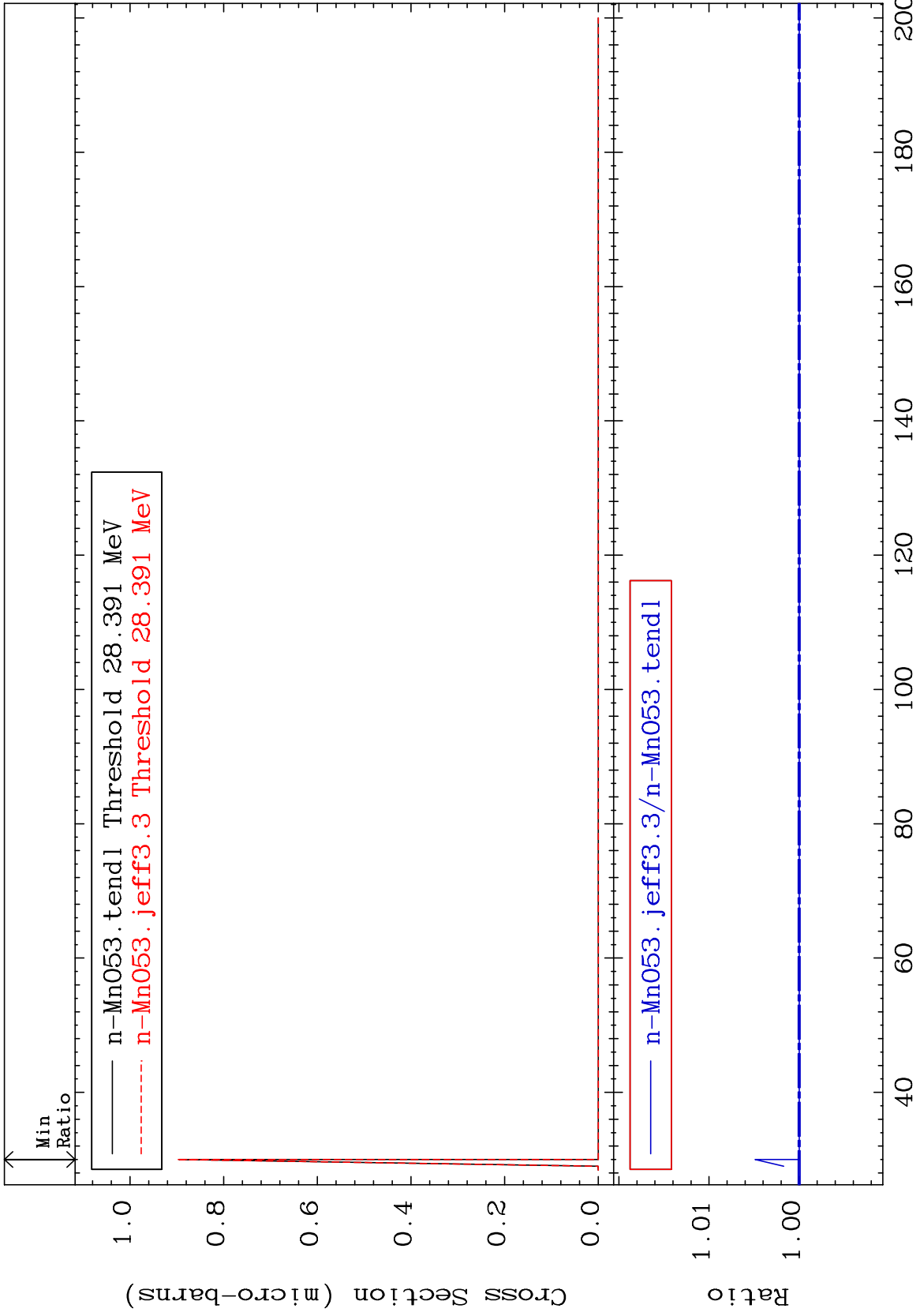
14

25-Mn-53

MAT 2519

(n,3n) p
Cross Section

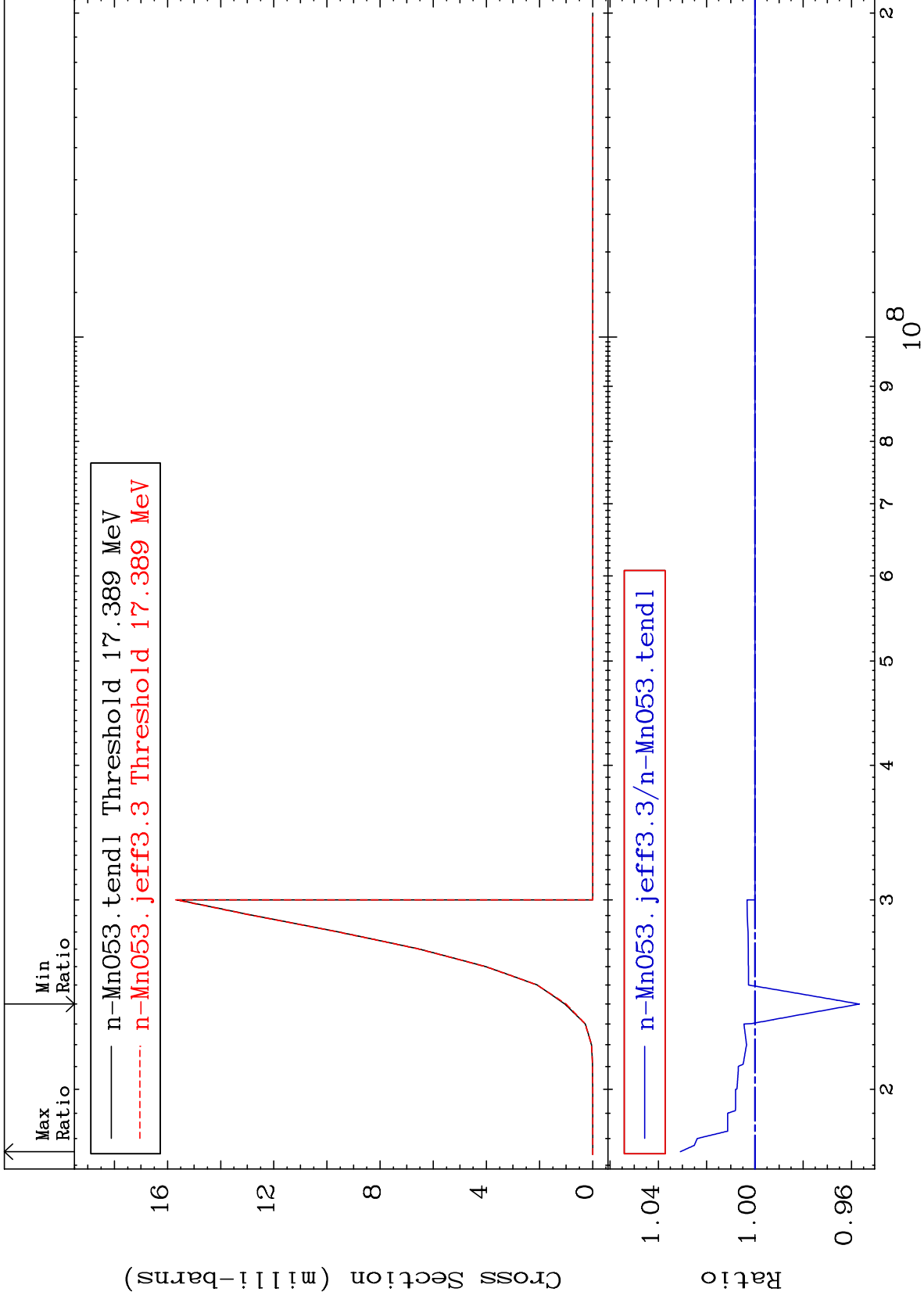
25-Mn-53
0.000 To 0.491 %



MAT 2519

(n,2n) p
Cross Section

²⁵Mn-53
-4.329 To 3.088 %



16

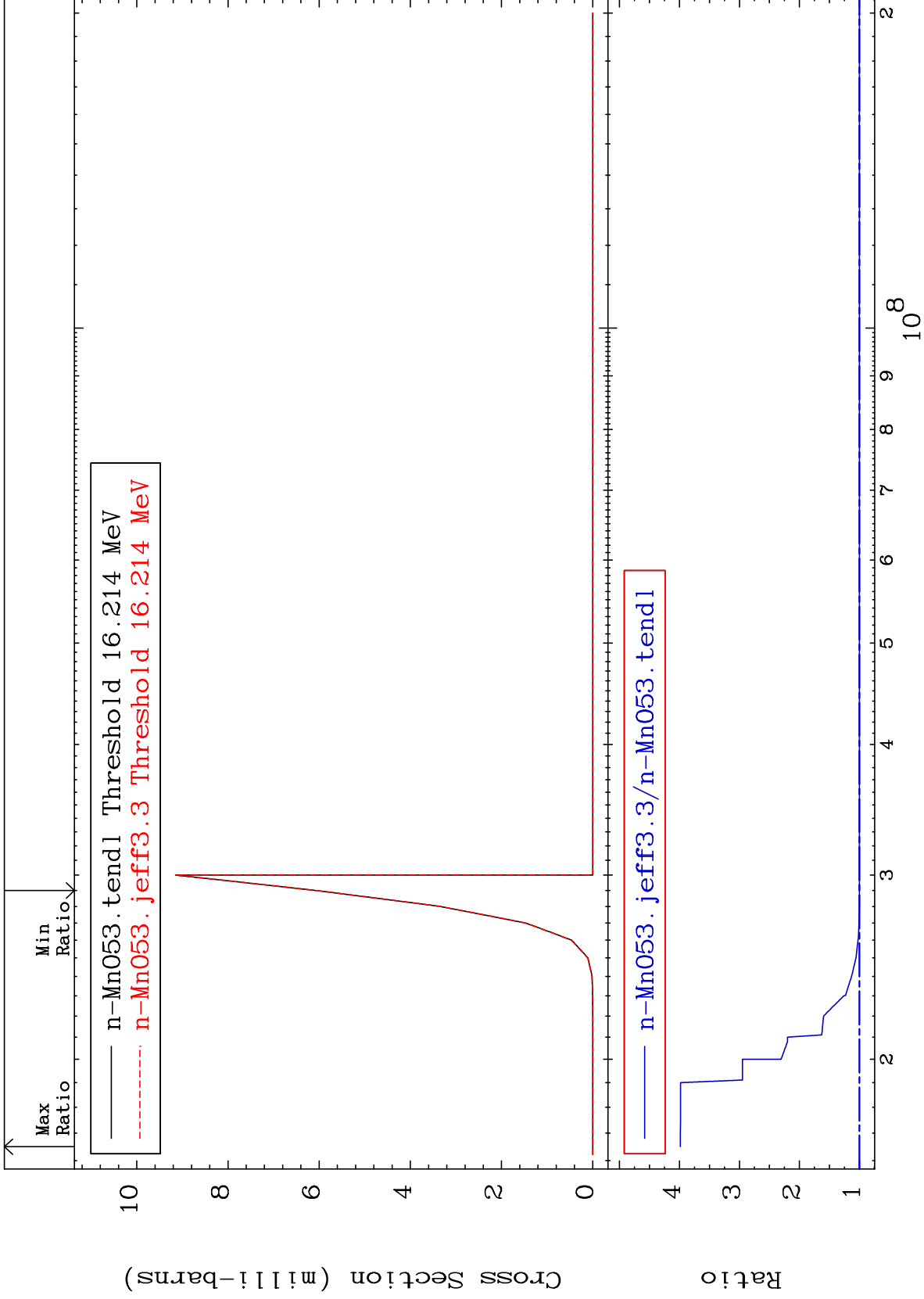
Incident Energy (eV)

²⁵Mn-53

MAT 2519

(n, n') p α
Cross Section

²⁵Mn-53
-0.143 To 298.5 %



17

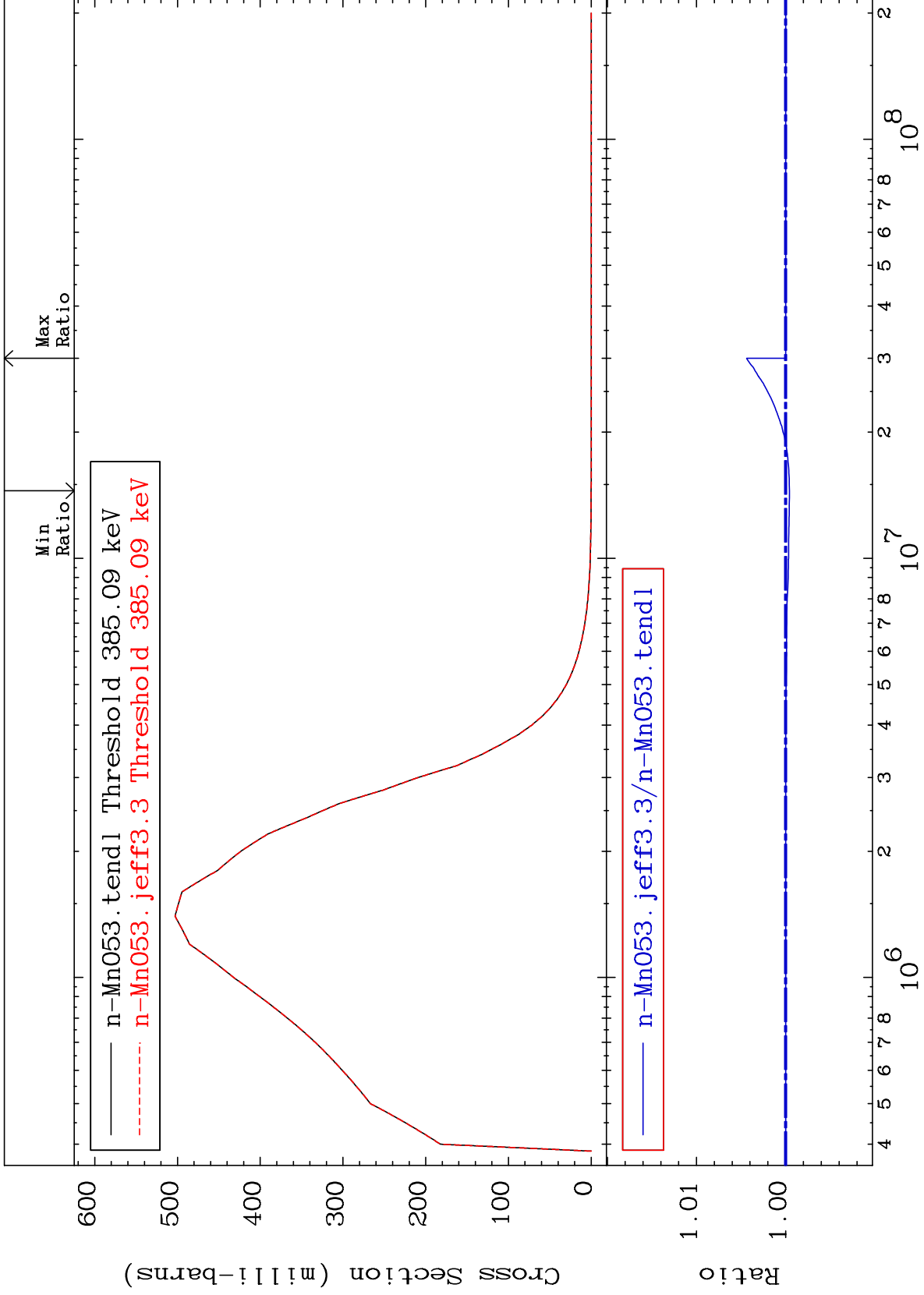
Incident Energy (eV)

²⁵Mn-53

MAT 2519

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

²⁵Mn-53
-0.042 To 0.439 %



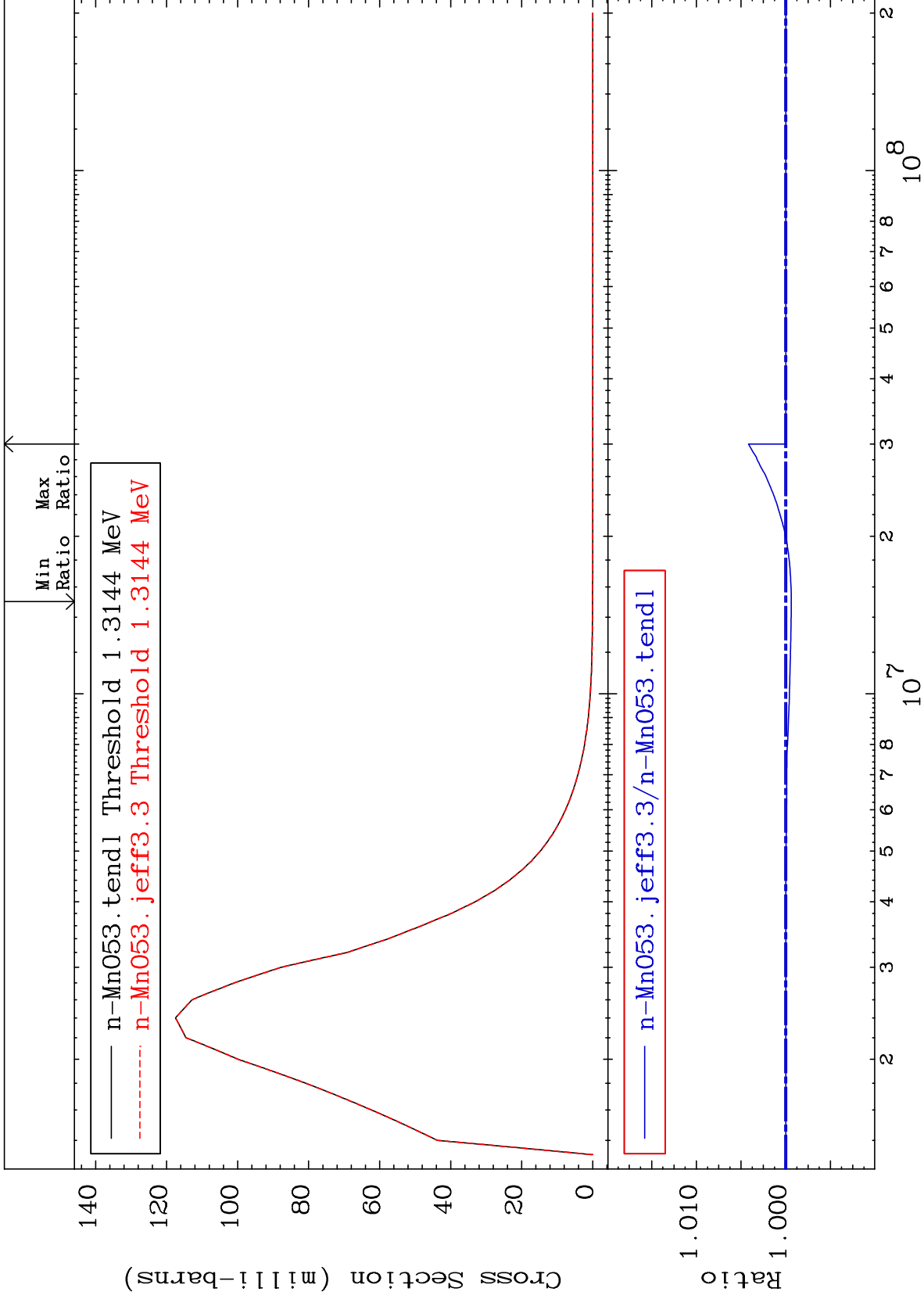
18

²⁵Mn-53

MAT 2519

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

25-Mn-53
-0.062 To 0.416 %



19

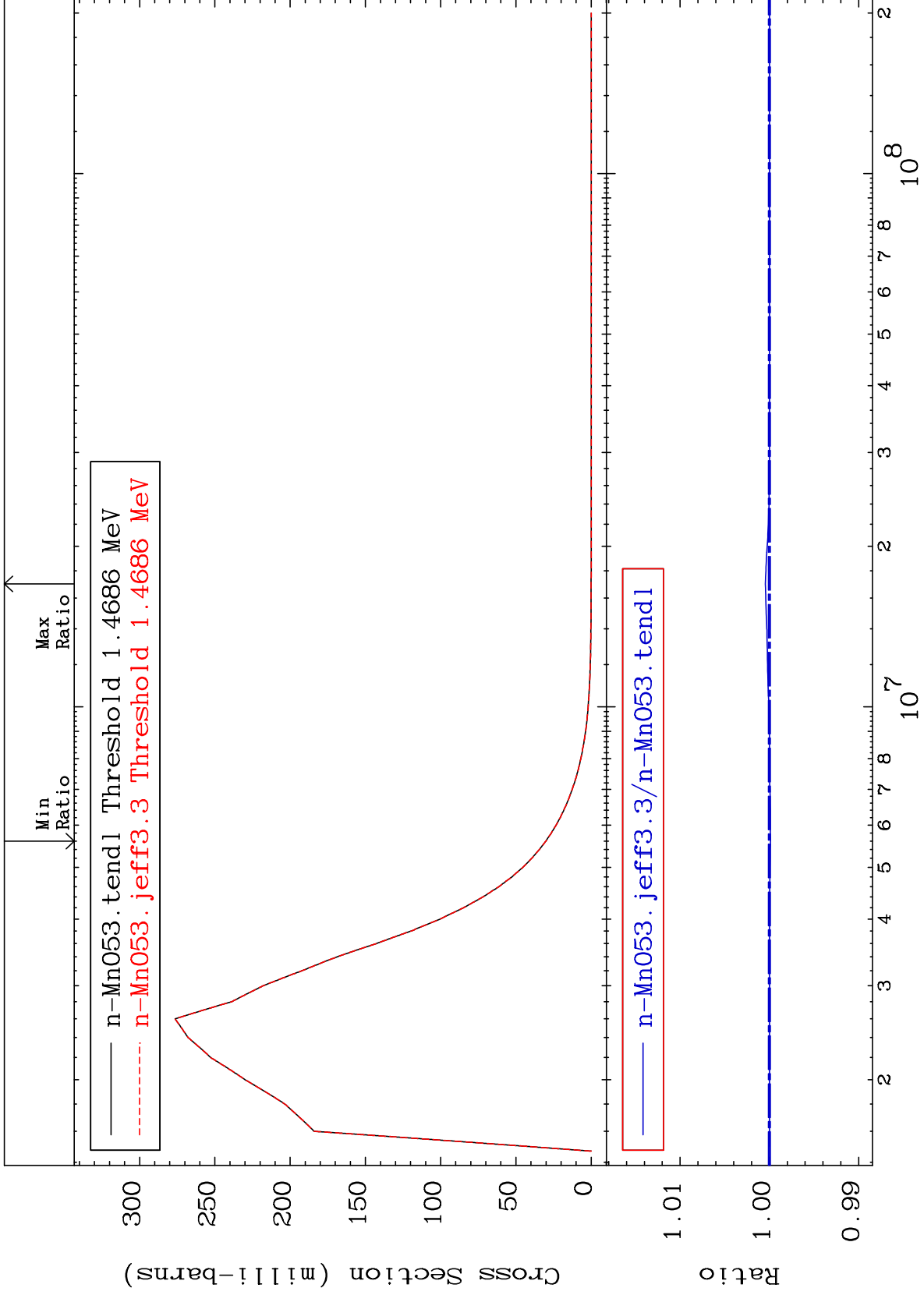
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.012 To 0.045 %



20

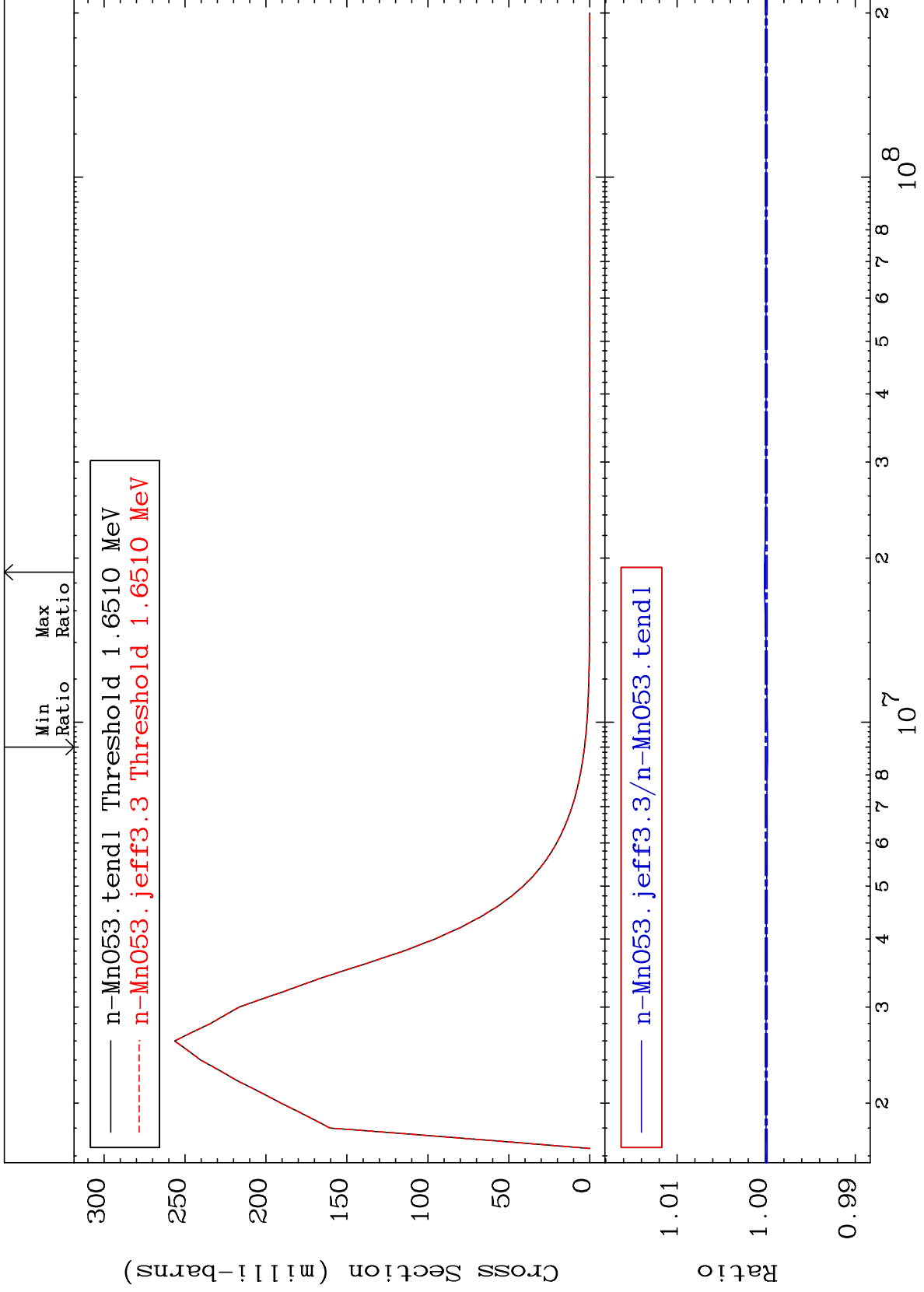
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.017 To 0.020 %



21

Incident Energy (eV)

25-Mn-53

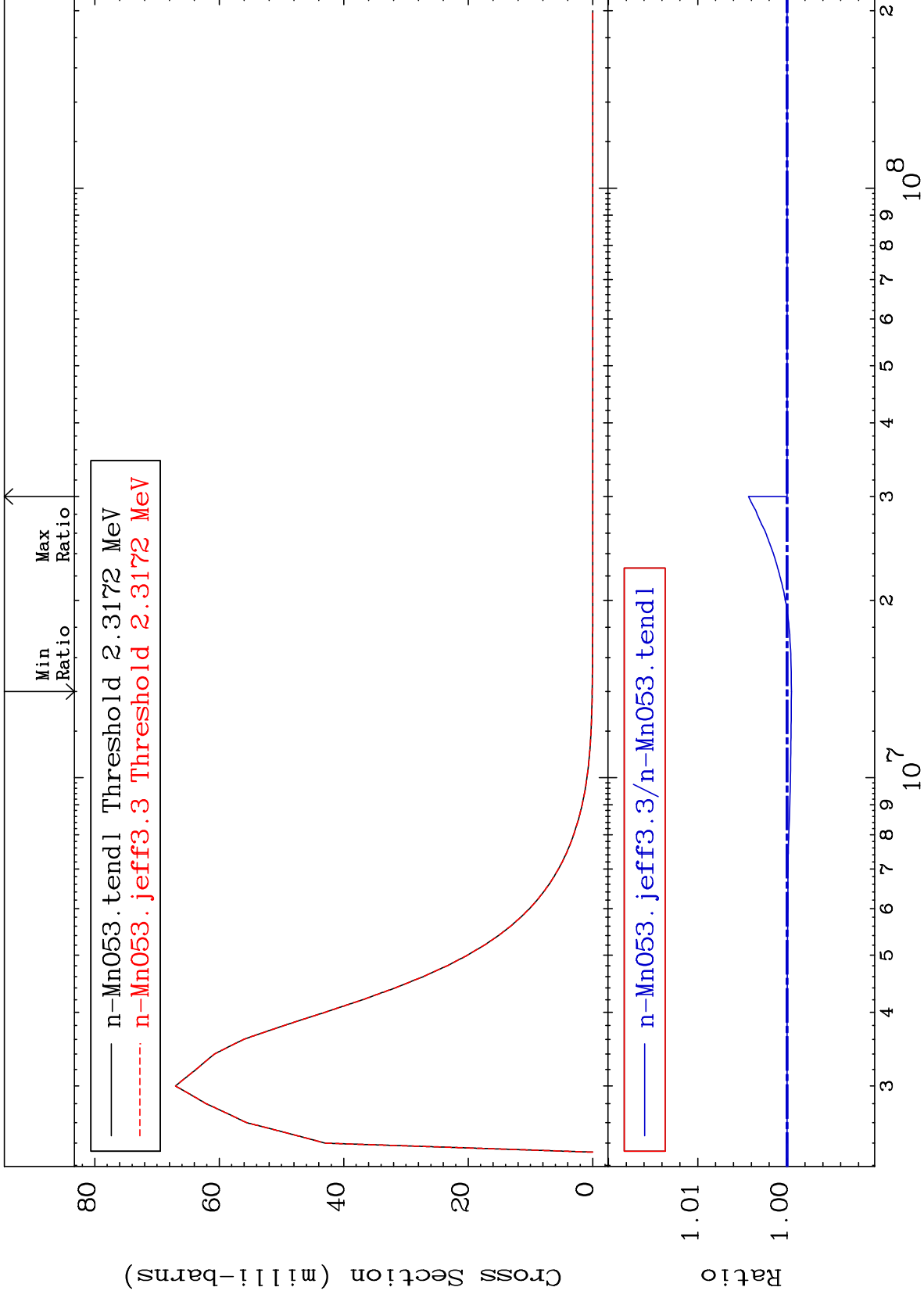
MAT 2519

MT= 55 (n,n') Level

25-Mn-53

-0.048 To 0.433 %

Cross Section



22

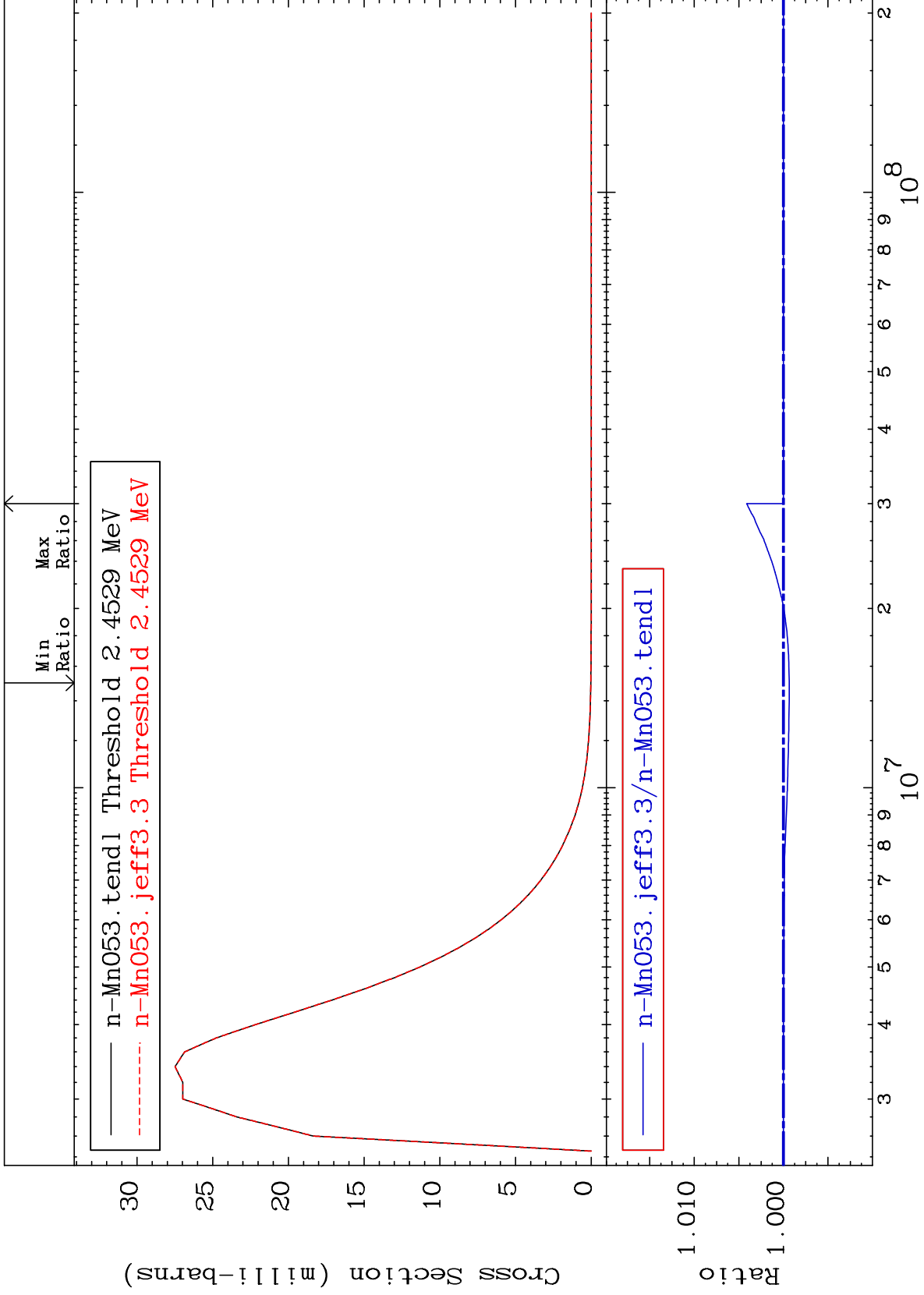
Incident Energy (eV)

25-Mn-53

MAT 2519

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

²⁵Mn-53
-0.065 To 0.412 %



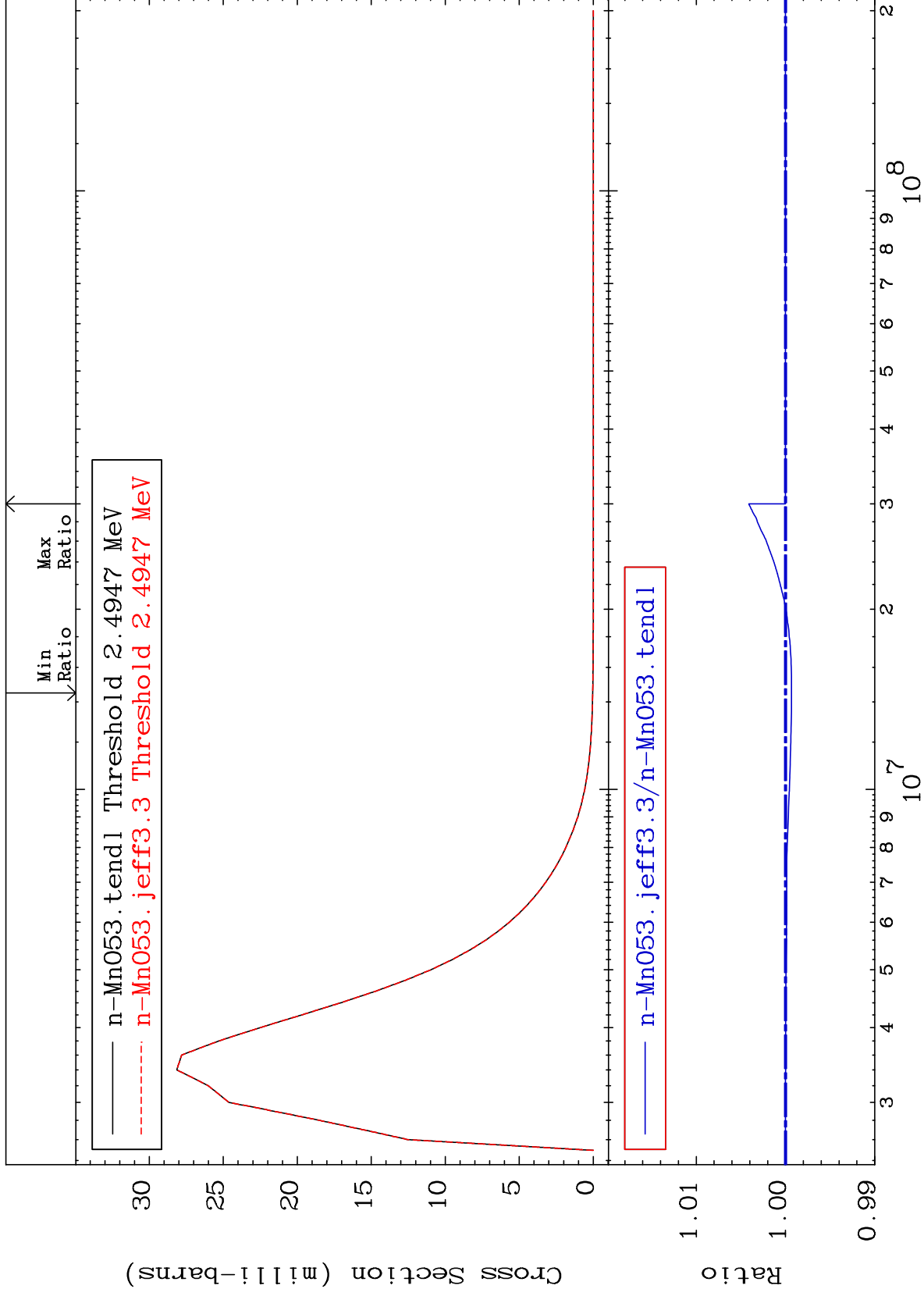
MAT 2519

MT= 57 (n, n') Level

25-Mn-53

-0.068 To 0.412 %

Cross Section



24

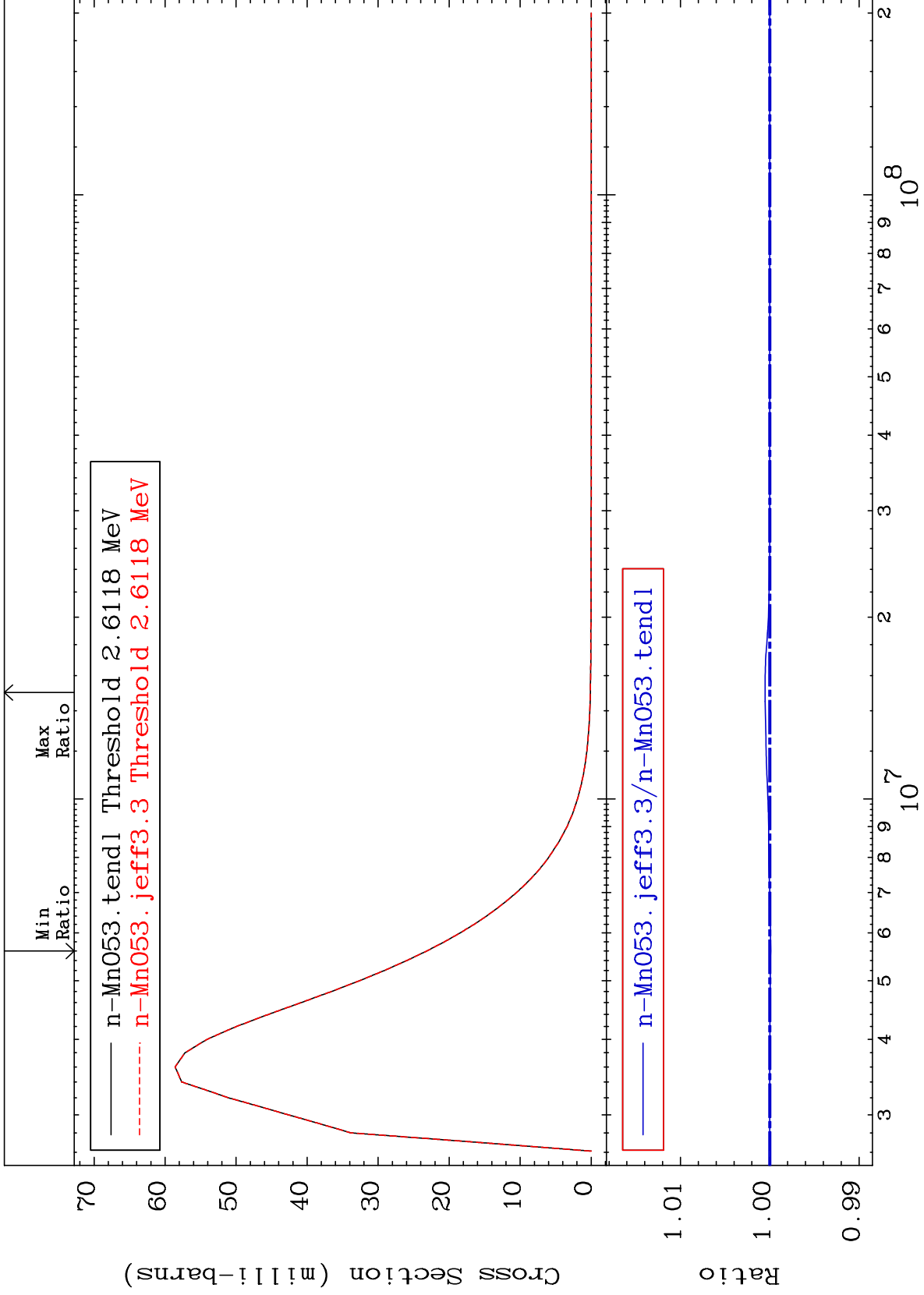
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.012 To 0.052 %



25

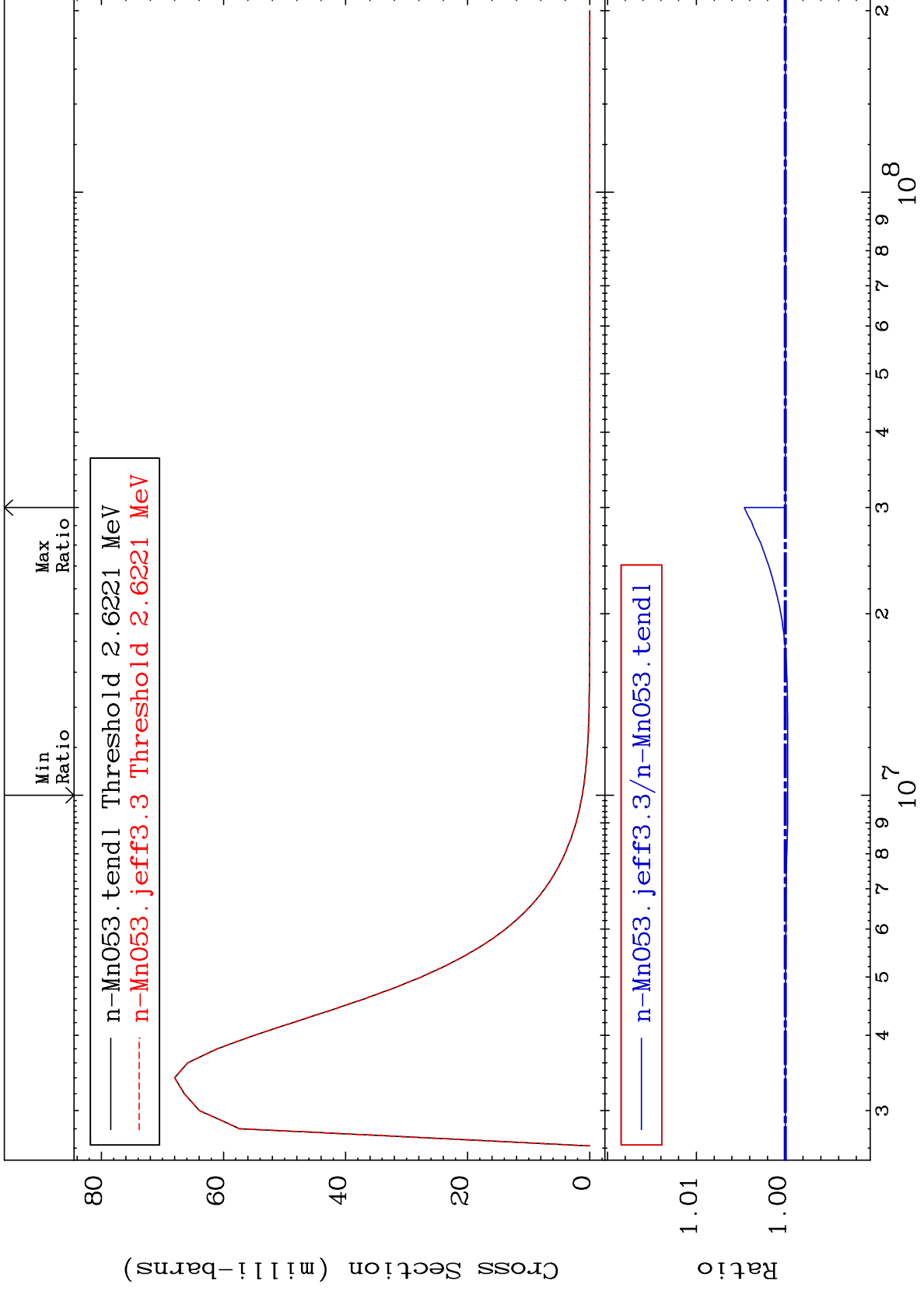
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.028 To 0.462 %



26

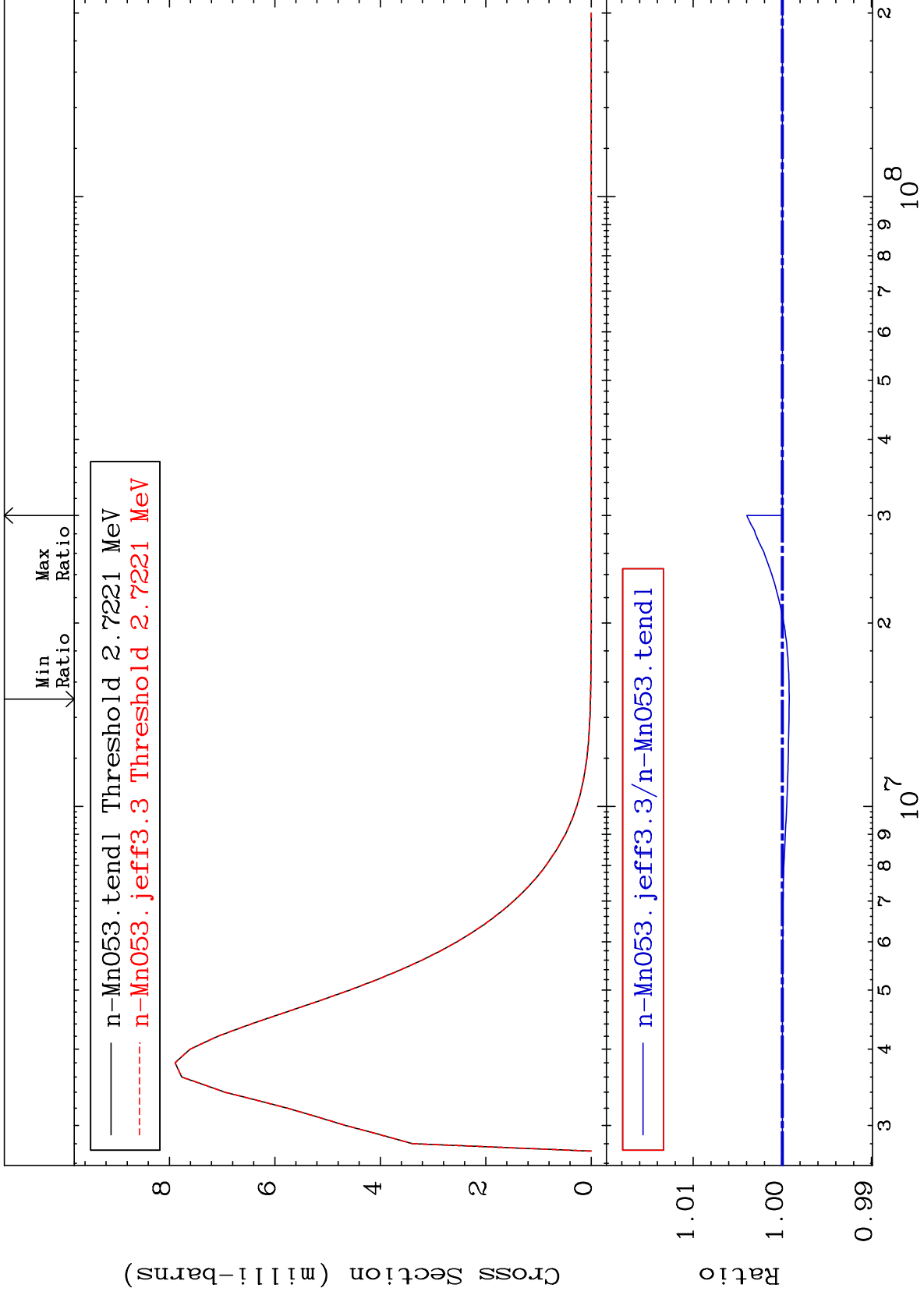
Incident Energy (eV)

25-Mn-53

MAT 2519

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

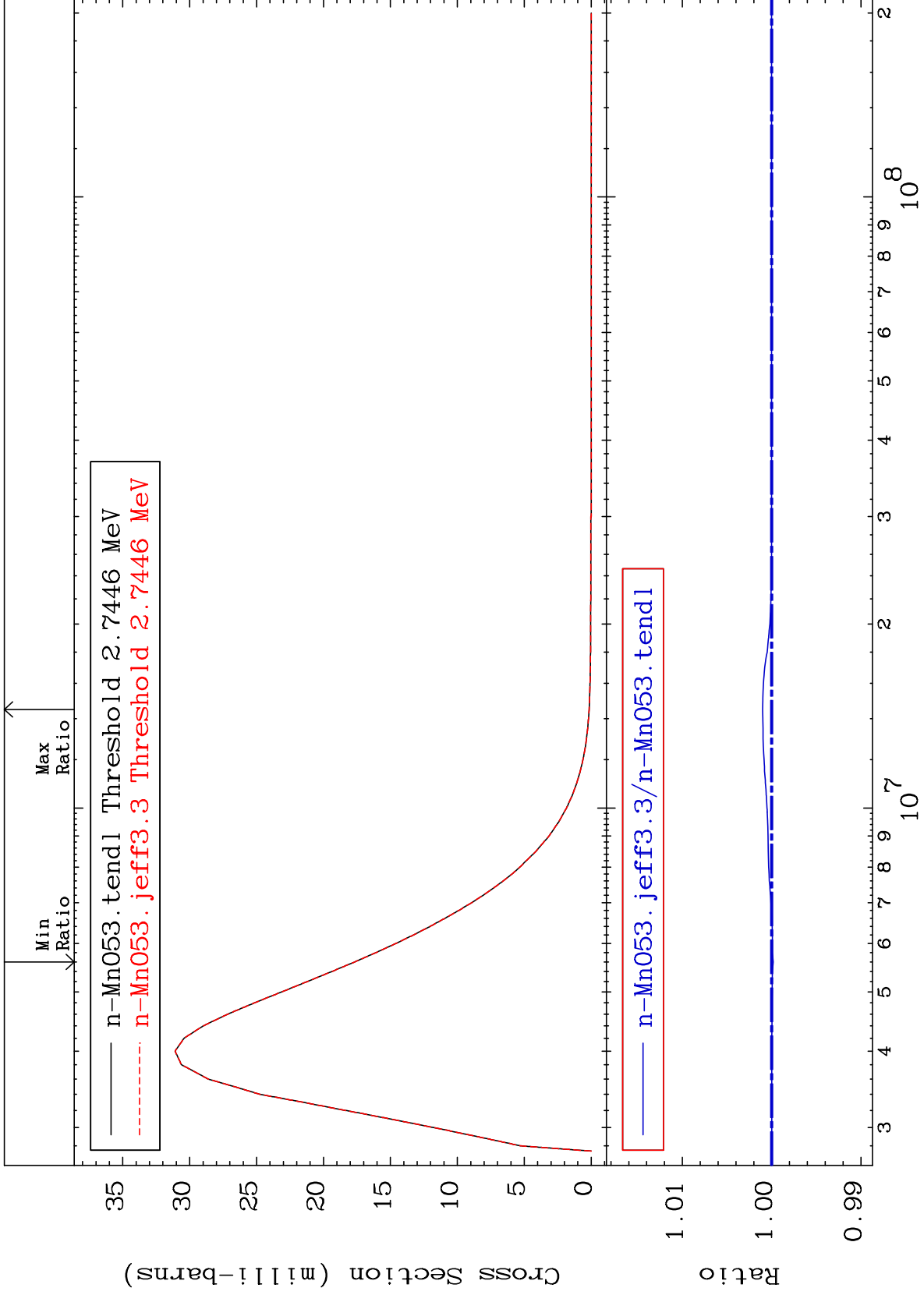
25-Mn-53
-0.077 To 0.399 %



MAT 2519

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

25-Mn-53
-0.018 To 0.100 %



28

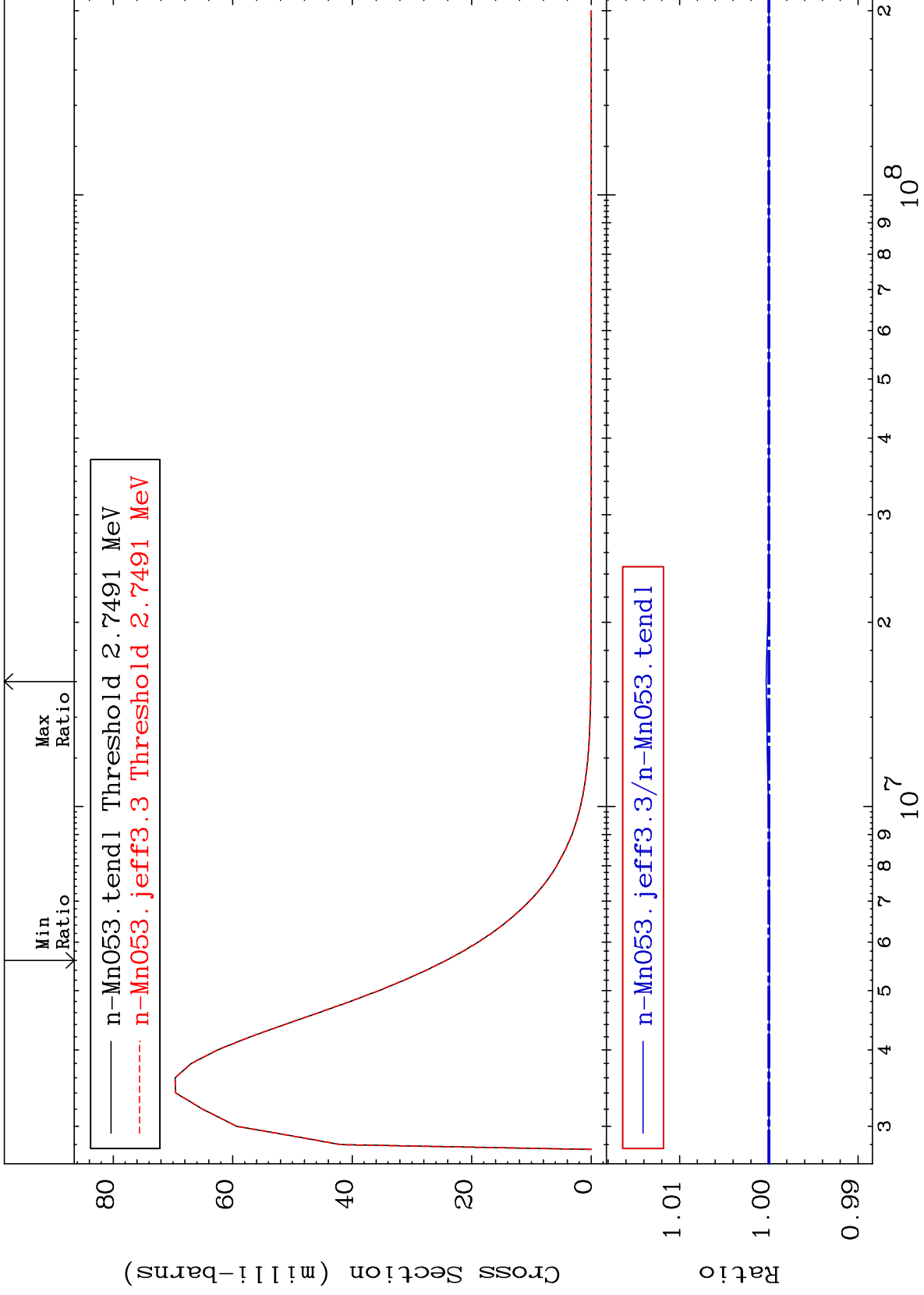
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.009 To 0.029 %



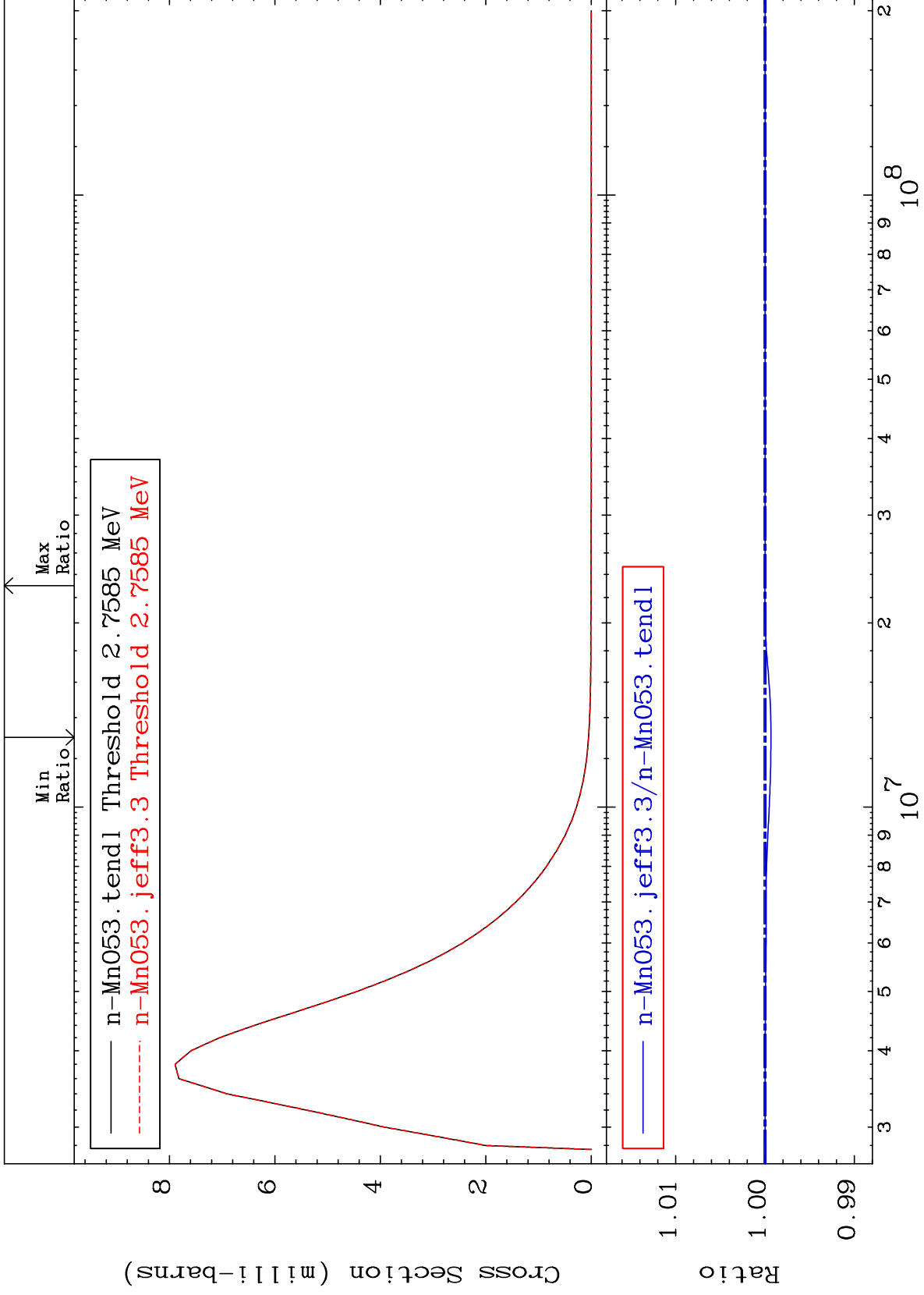
29

25-Mn-53

MAT 2519

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

25-Mn-53
-0.066 To 0.001 %



30

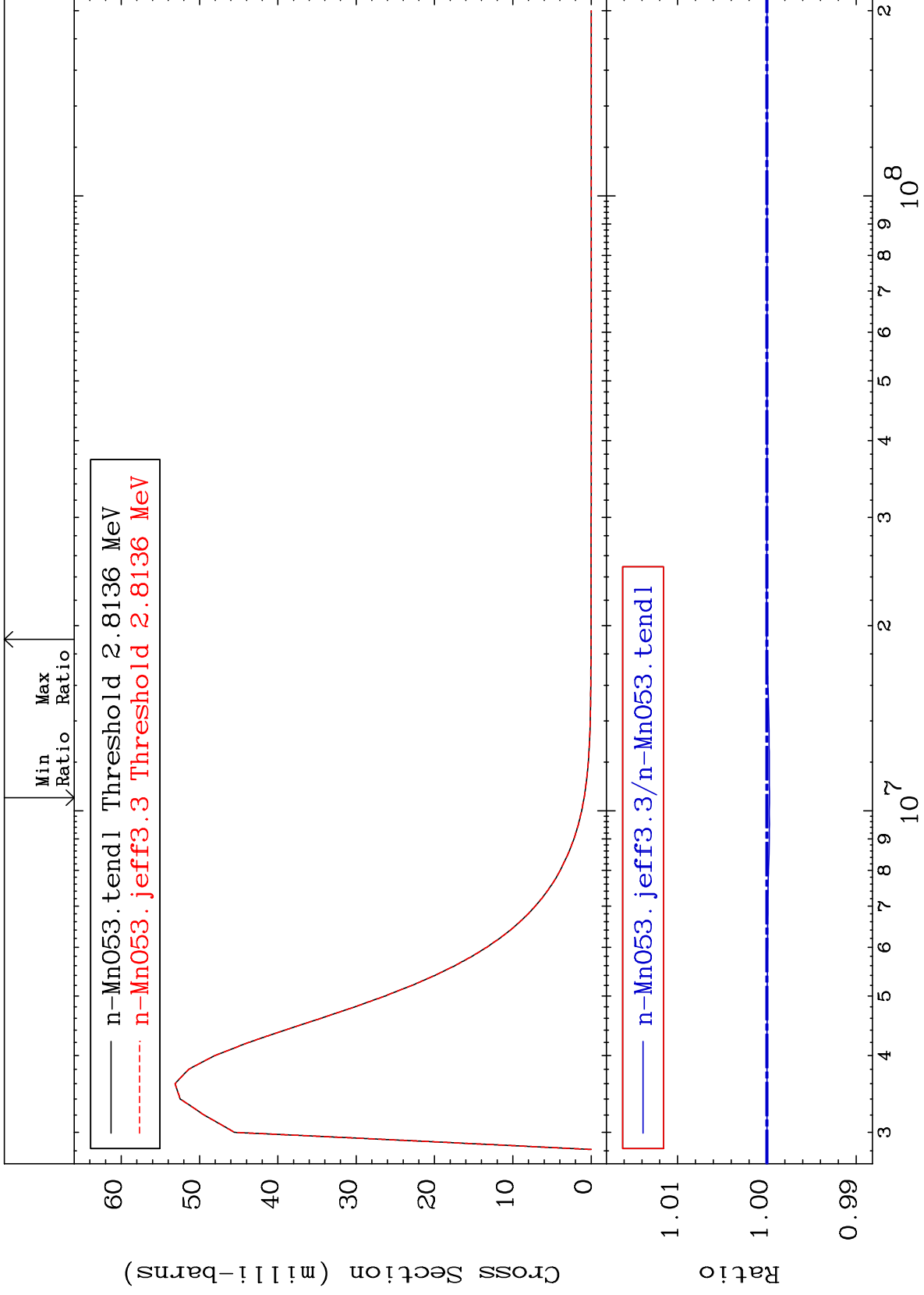
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.028 To 0.005 %



31

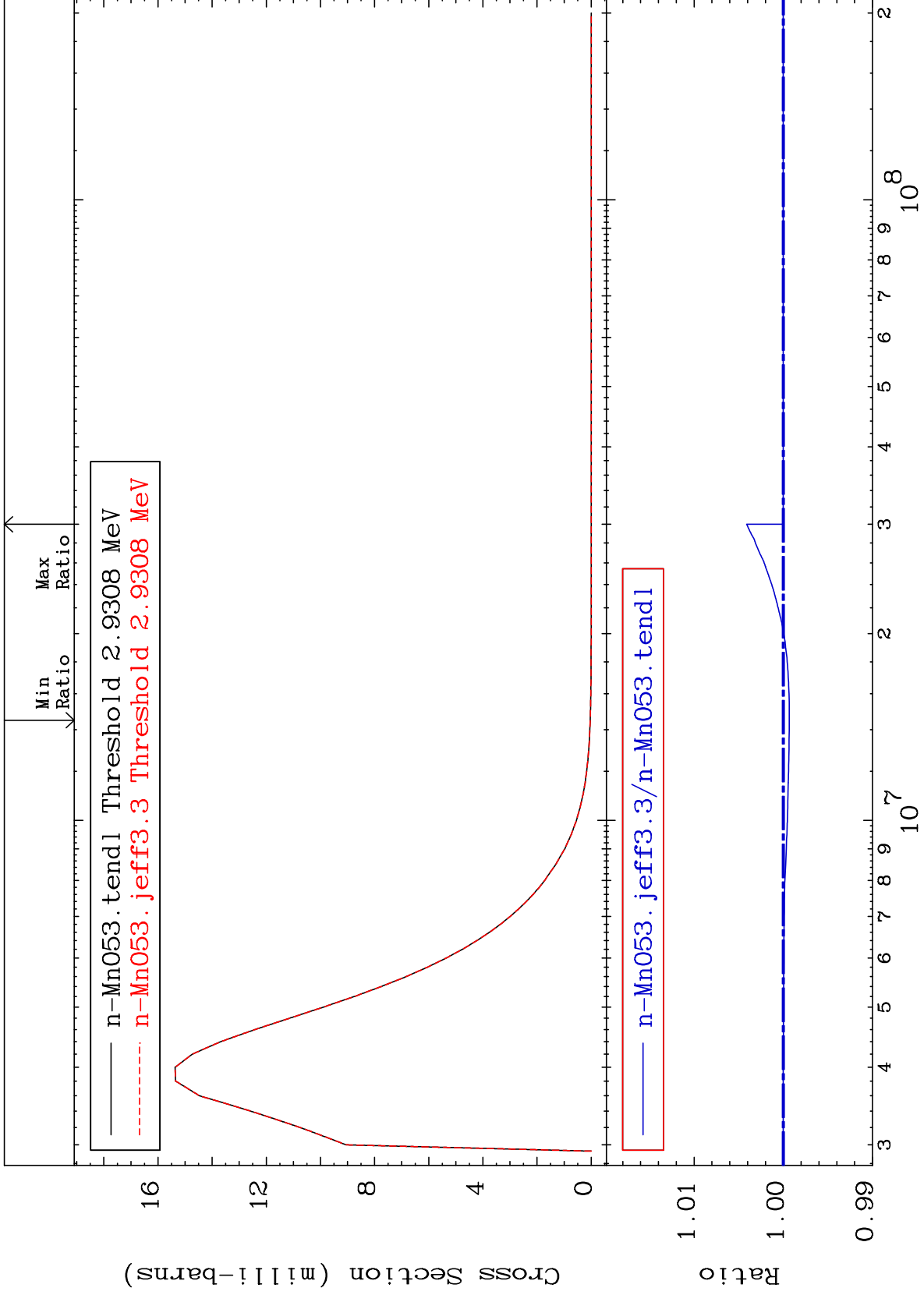
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.067 To 0.411 %



32

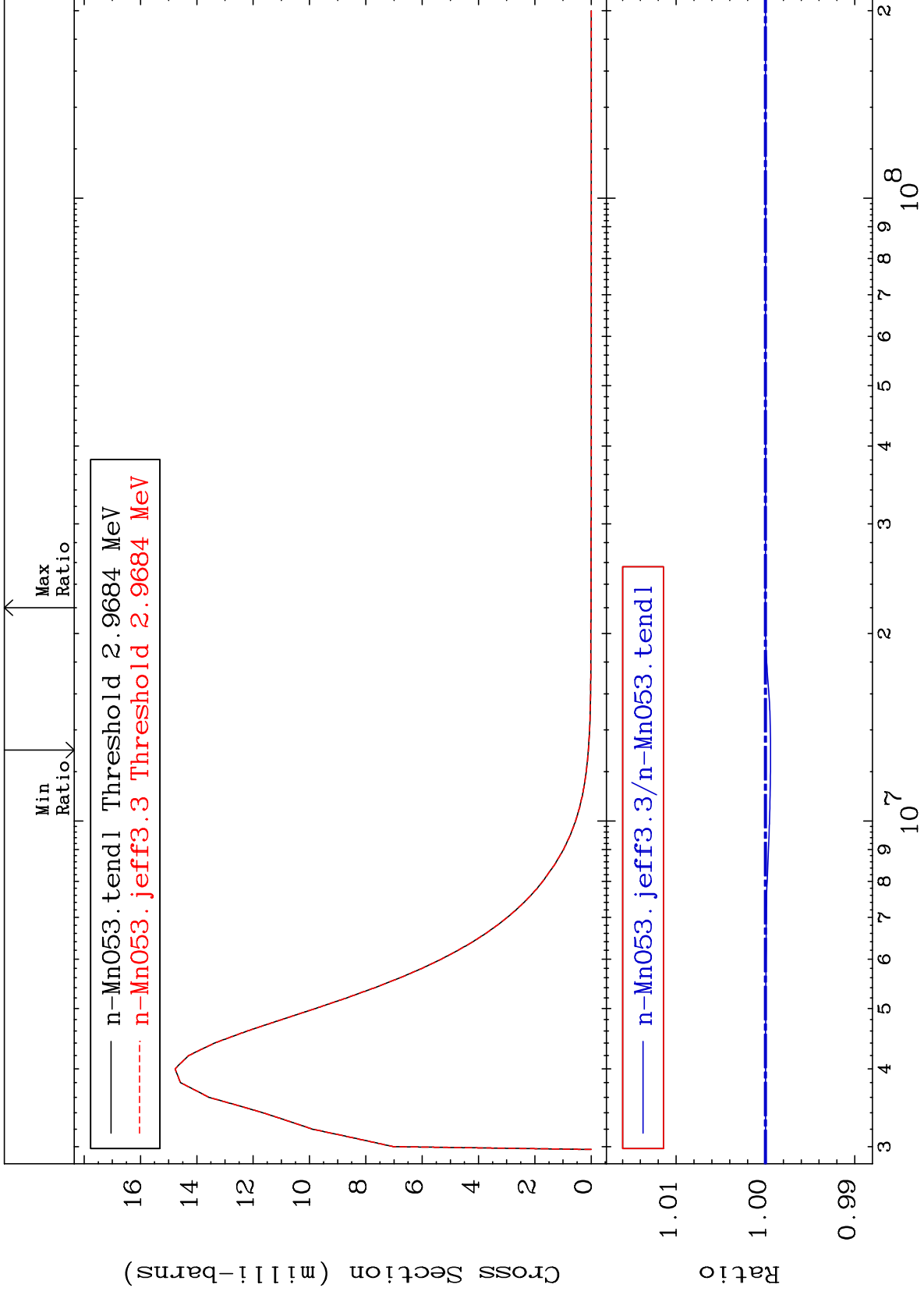
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.057 To 0.002 %



33

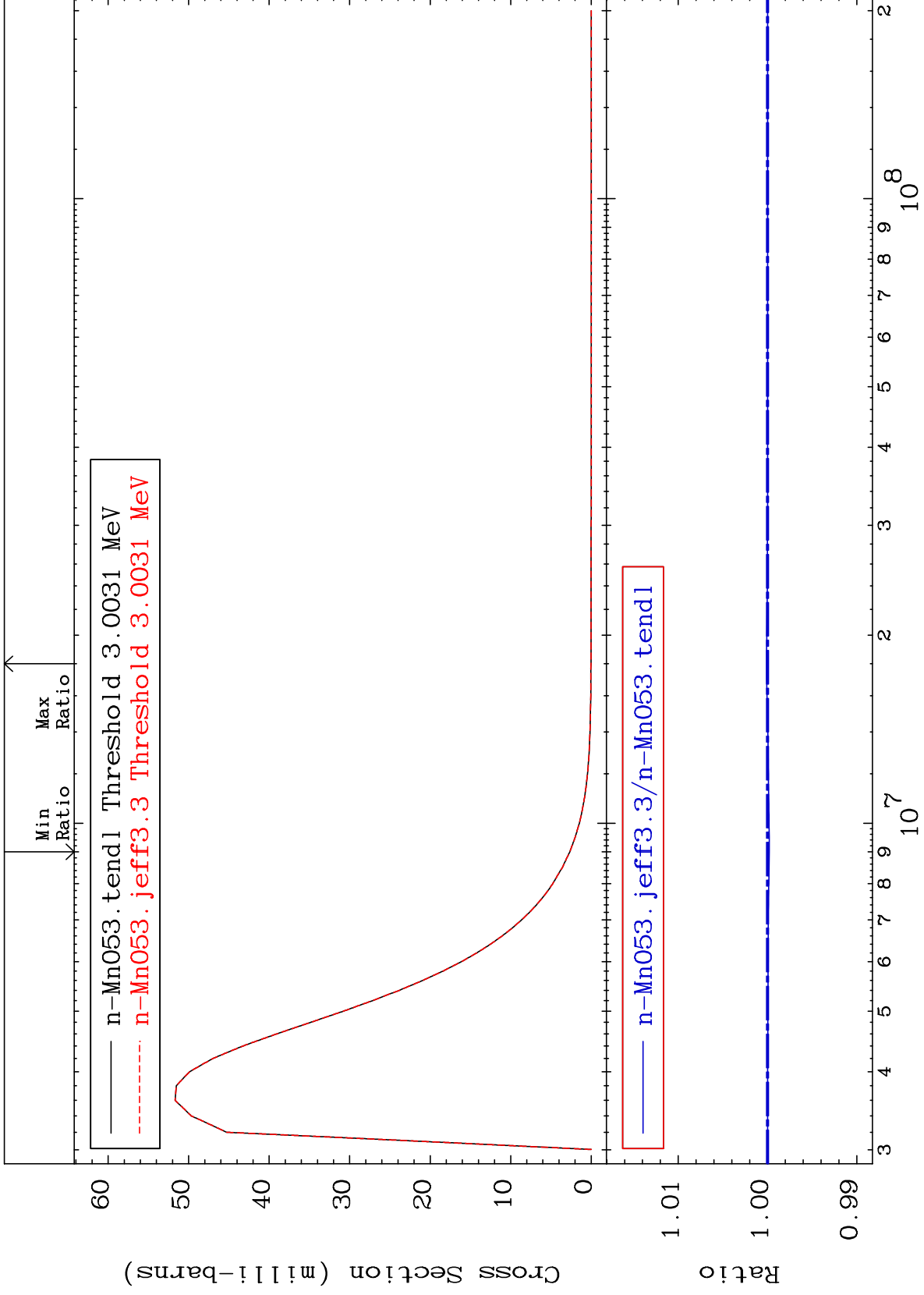
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.020 To 0.011 %



34

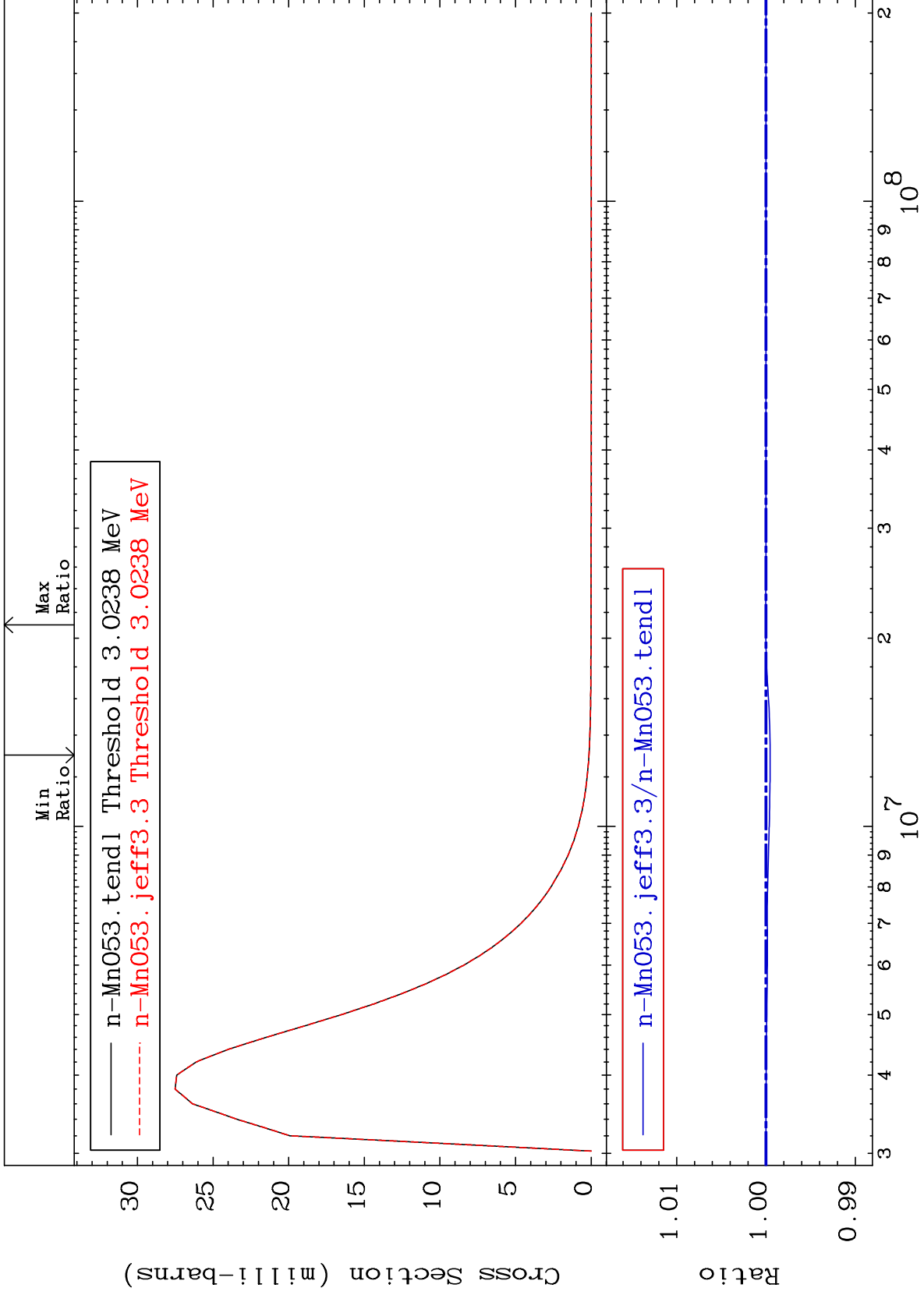
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.047 To 0.003 %



35

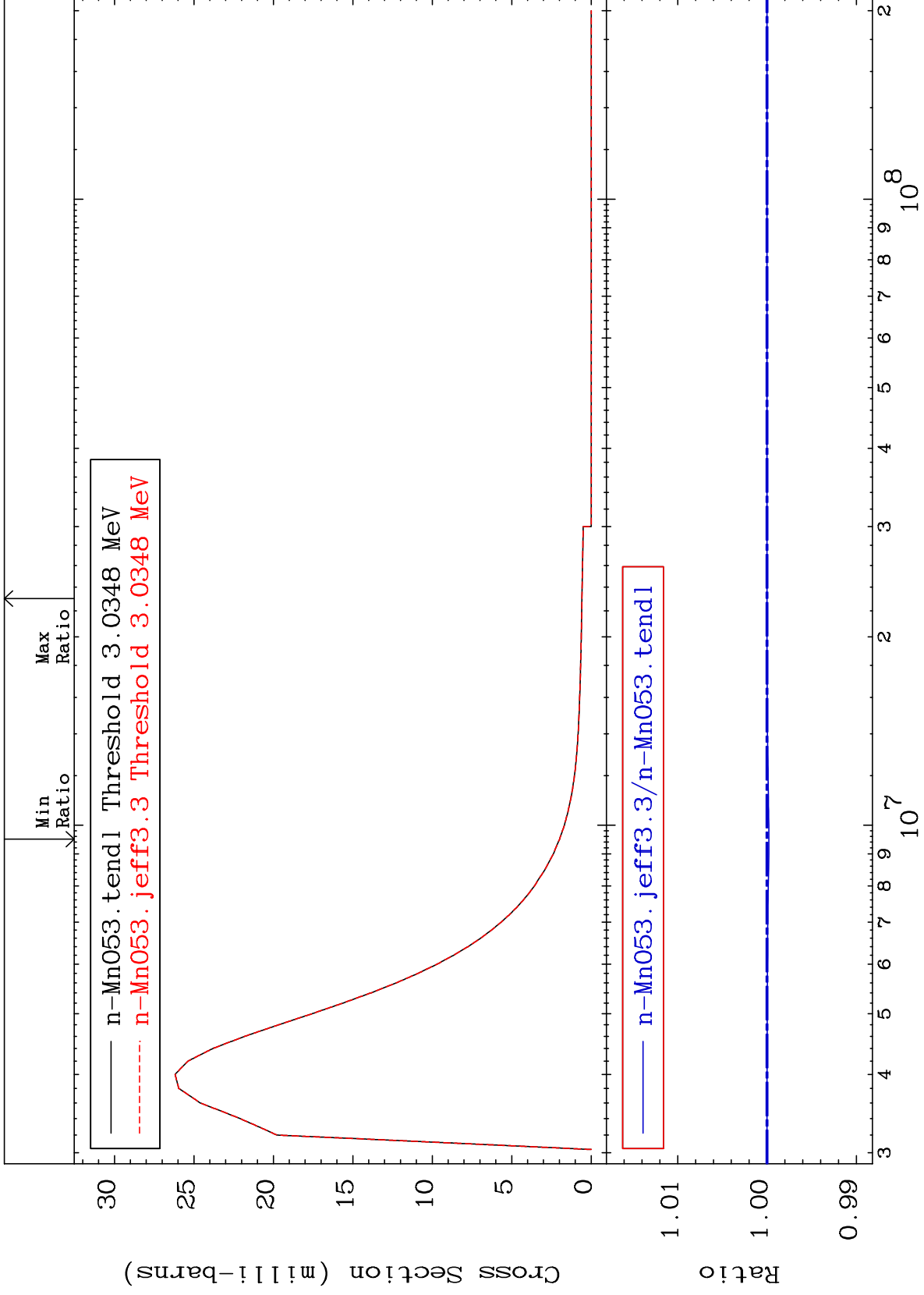
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.021 To 0.000 %



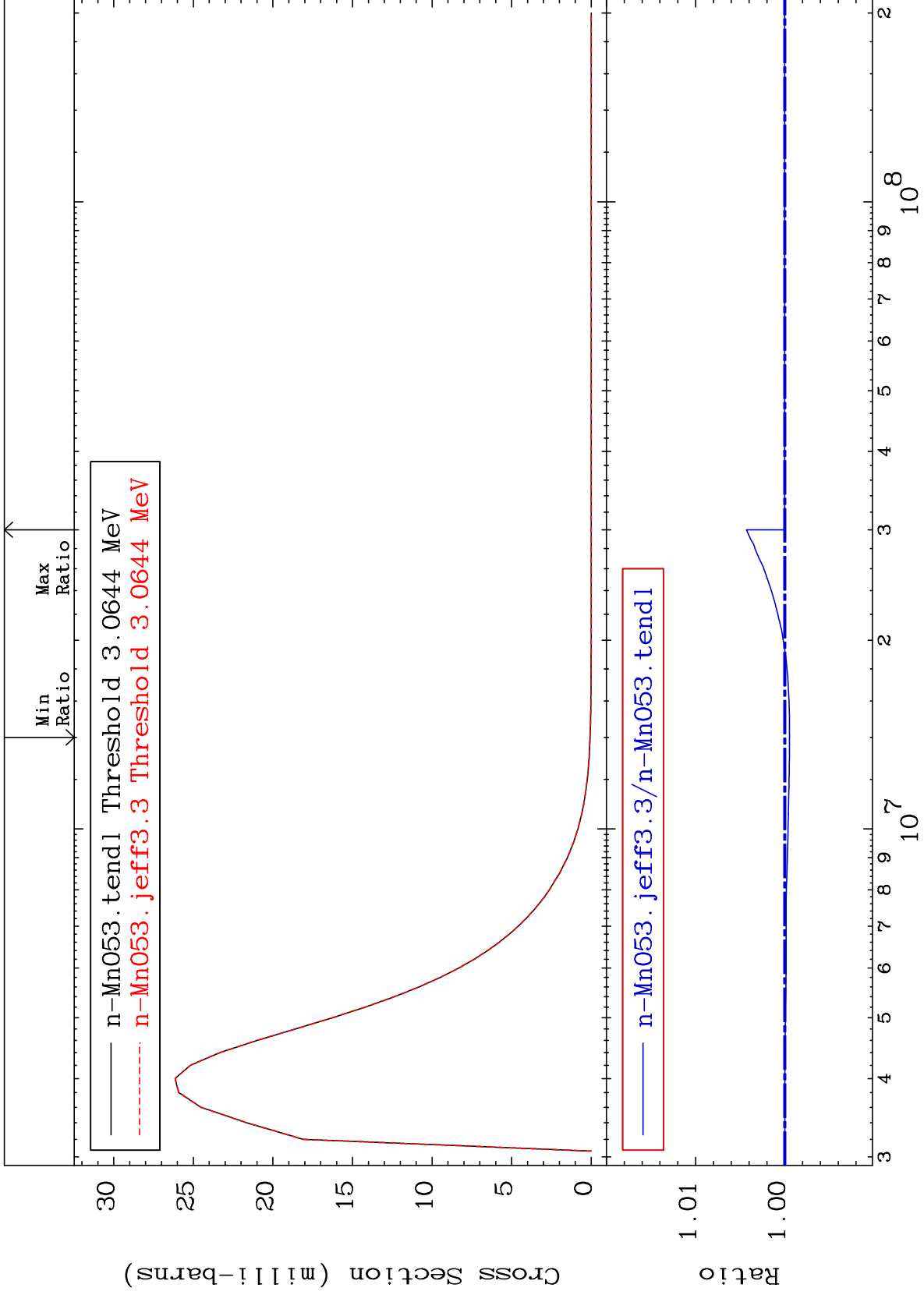
36

25-Mn-53

MAT 2519

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

²⁵Mn-53
-0.054 To 0.431 %



37

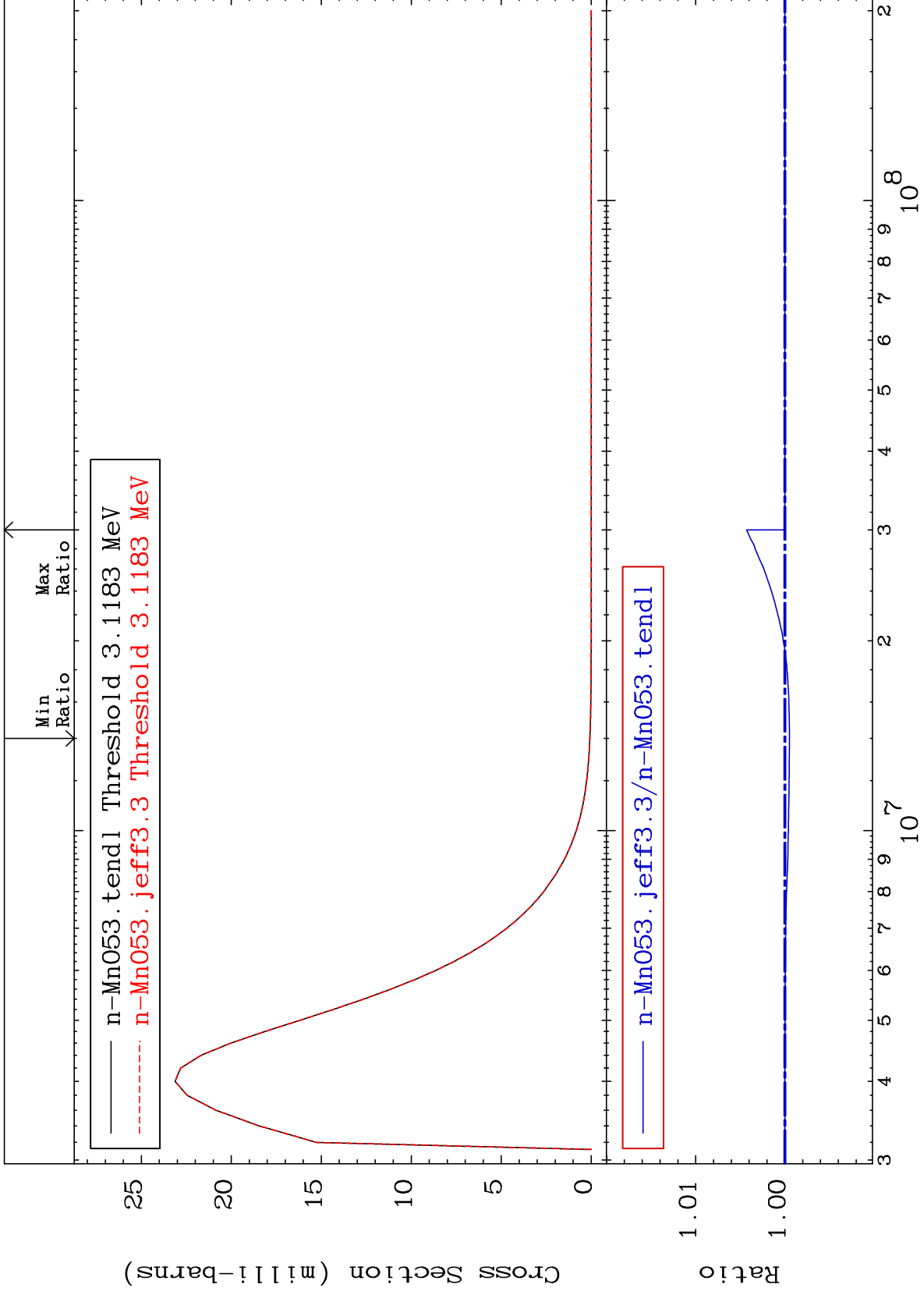
Incident Energy (eV)

²⁵Mn-53

MAT 2519

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

25-Mn-53
-0.051 To 0.430 %



38

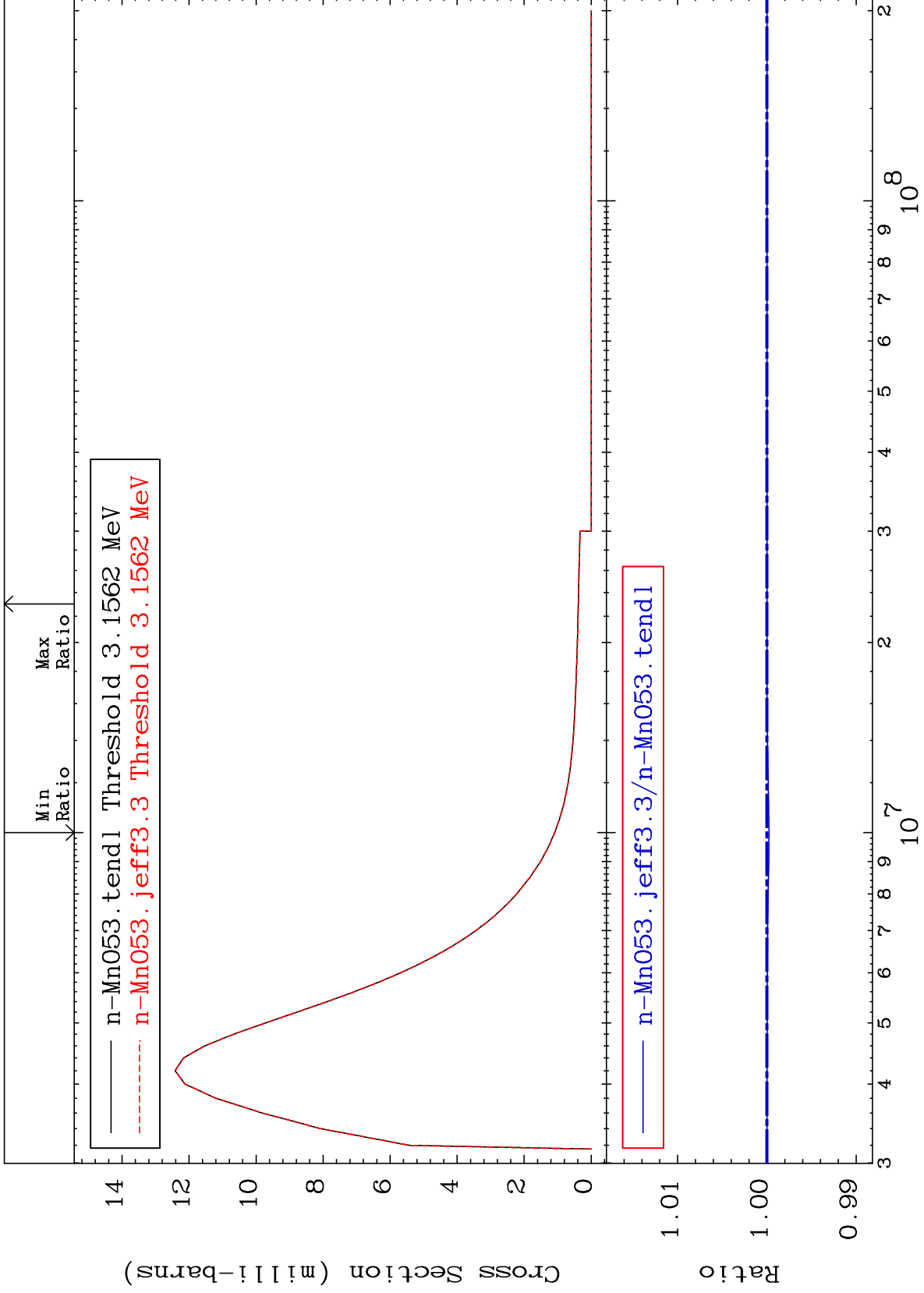
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.023 To 0.000 %



39

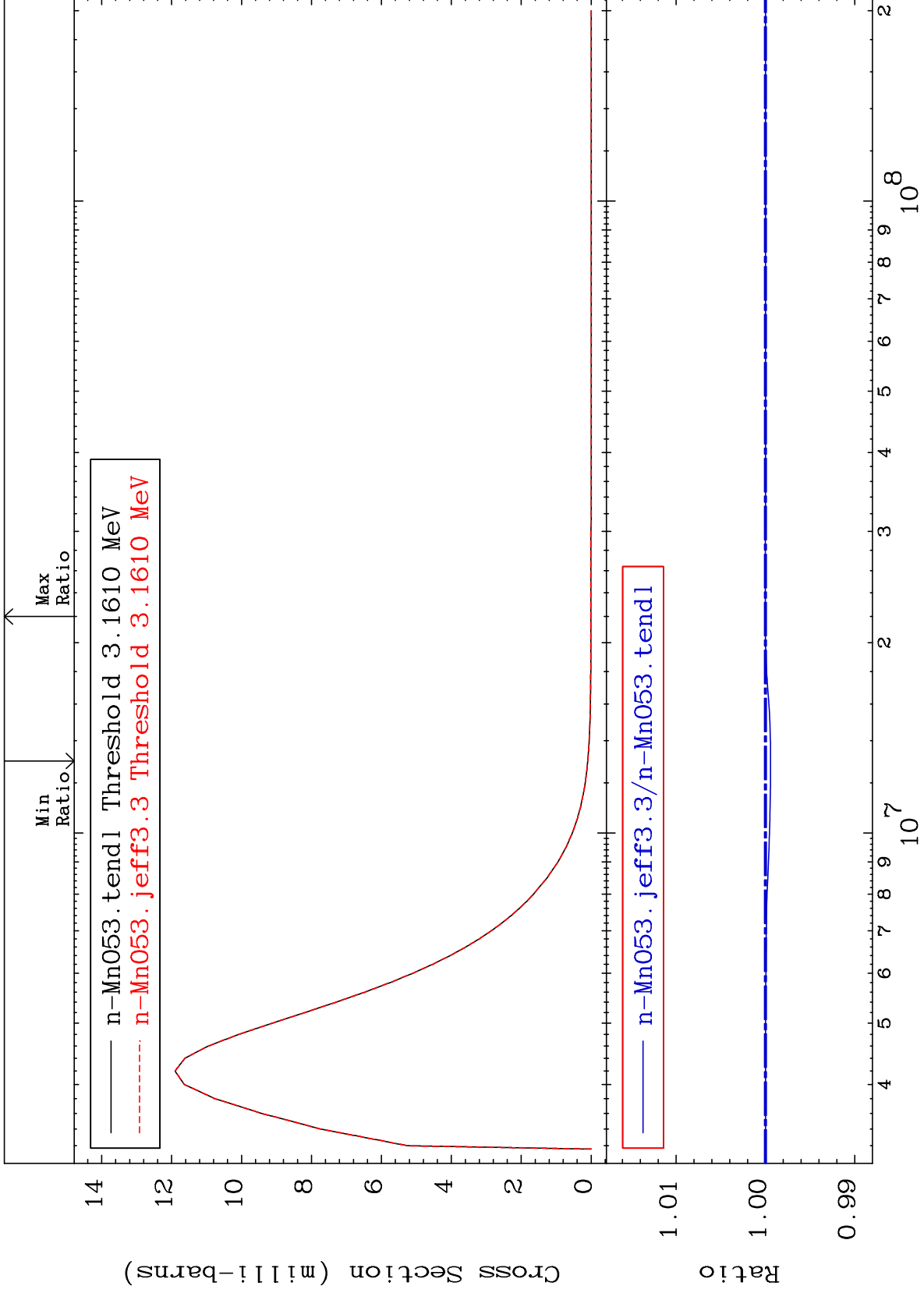
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.058 To 0.002 %



40

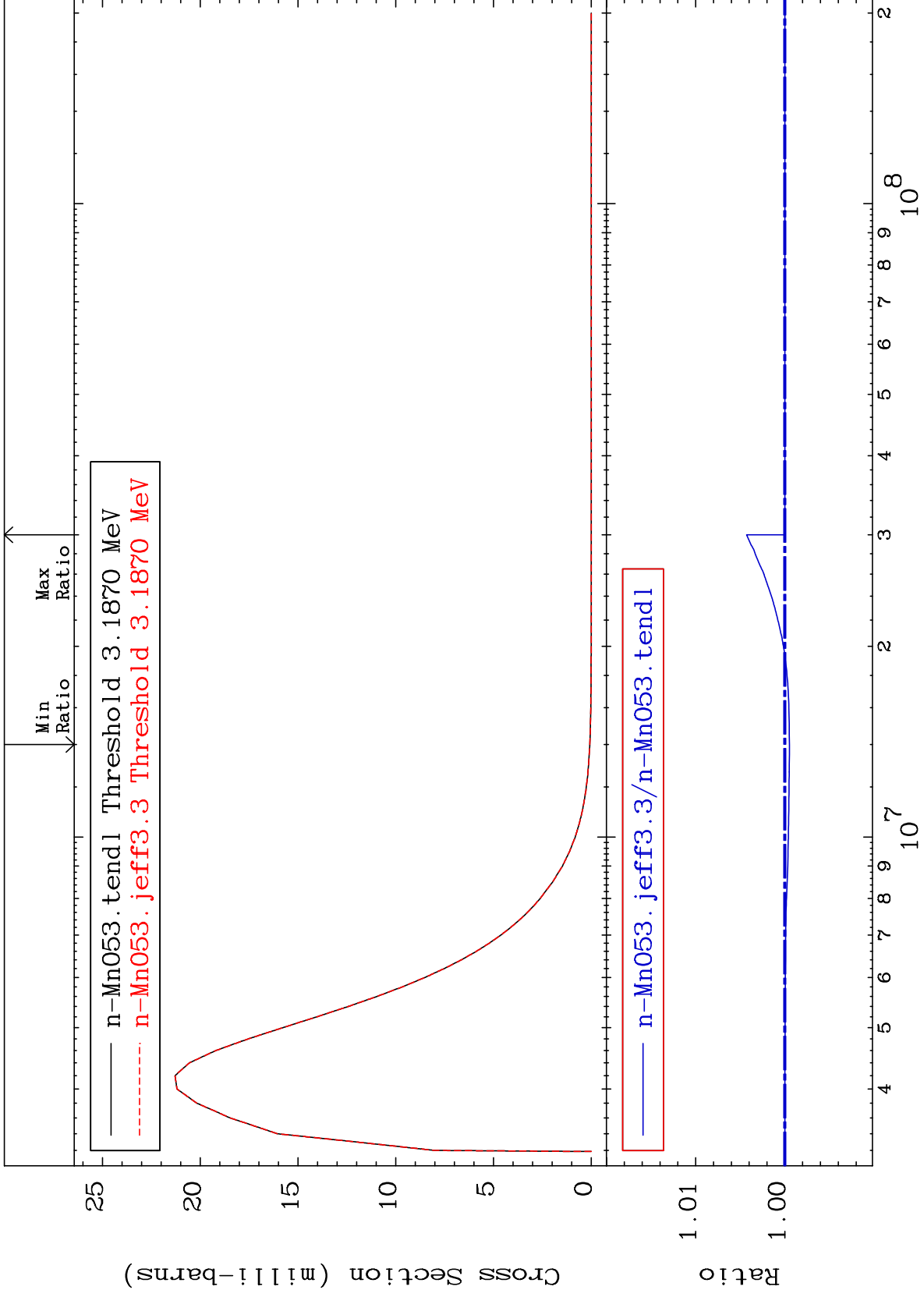
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.051 To 0.430 %



41

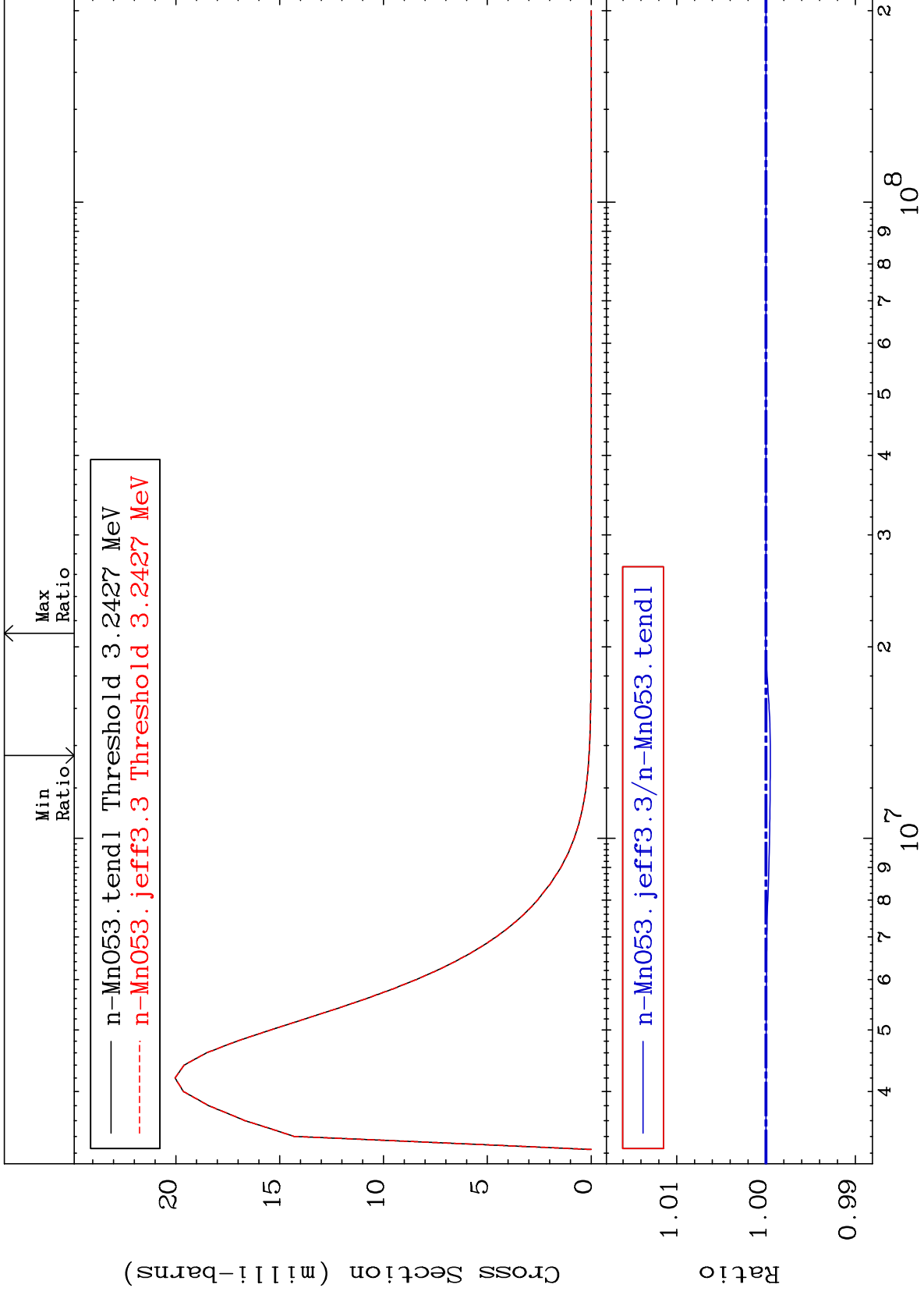
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.049 To 0.005 %



42

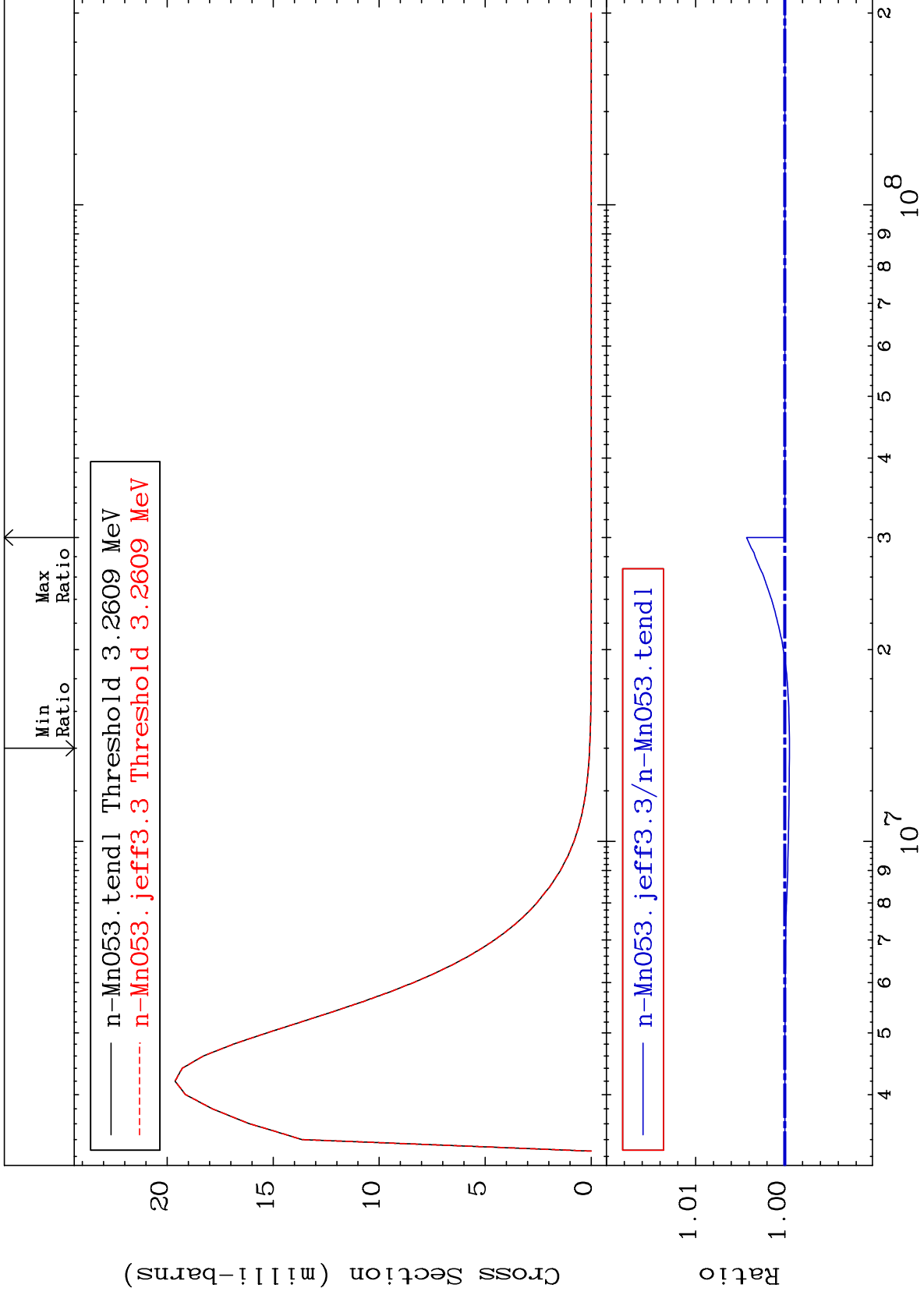
Incident Energy (eV)

25-Mn-53

MAT 2519

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

25-Mn-53
-0.051 To 0.430 %



43

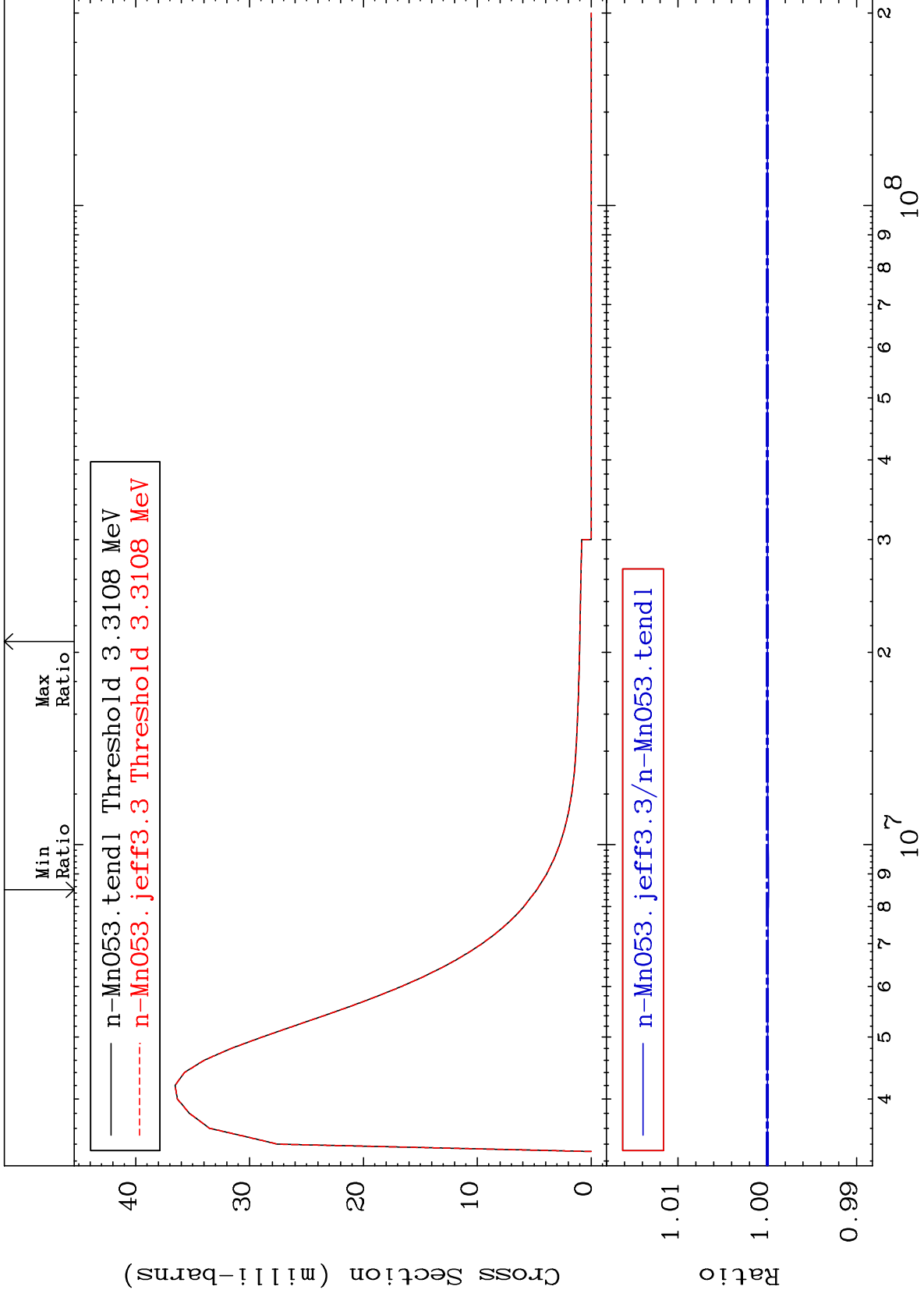
Incident Energy (eV)

25-Mn-53

MAT 2519

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

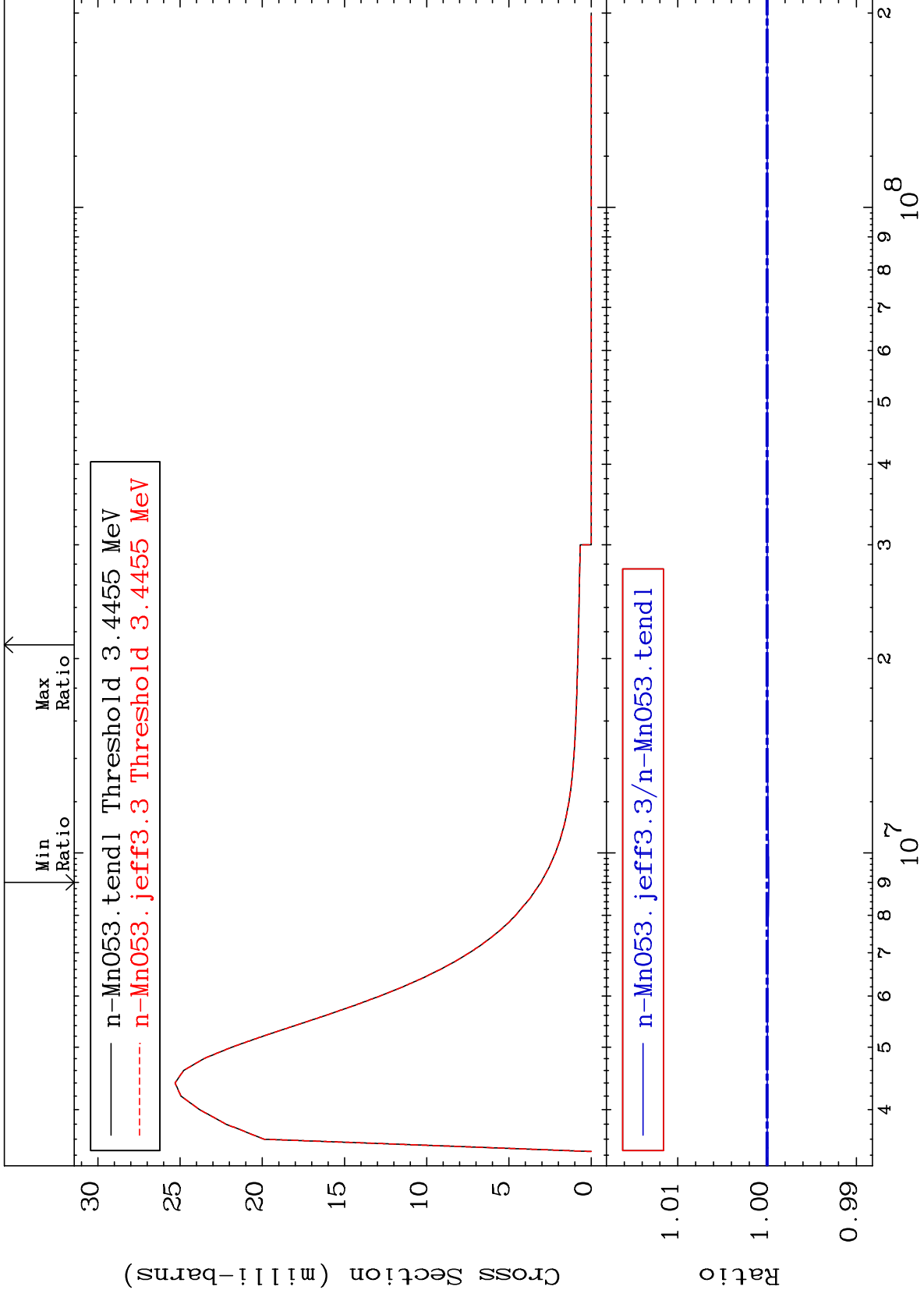
25-Mn-53
-0.014 To 0.000 %



MAT 2519

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

25-Mn-53
-0.018 To 0.000 %



45

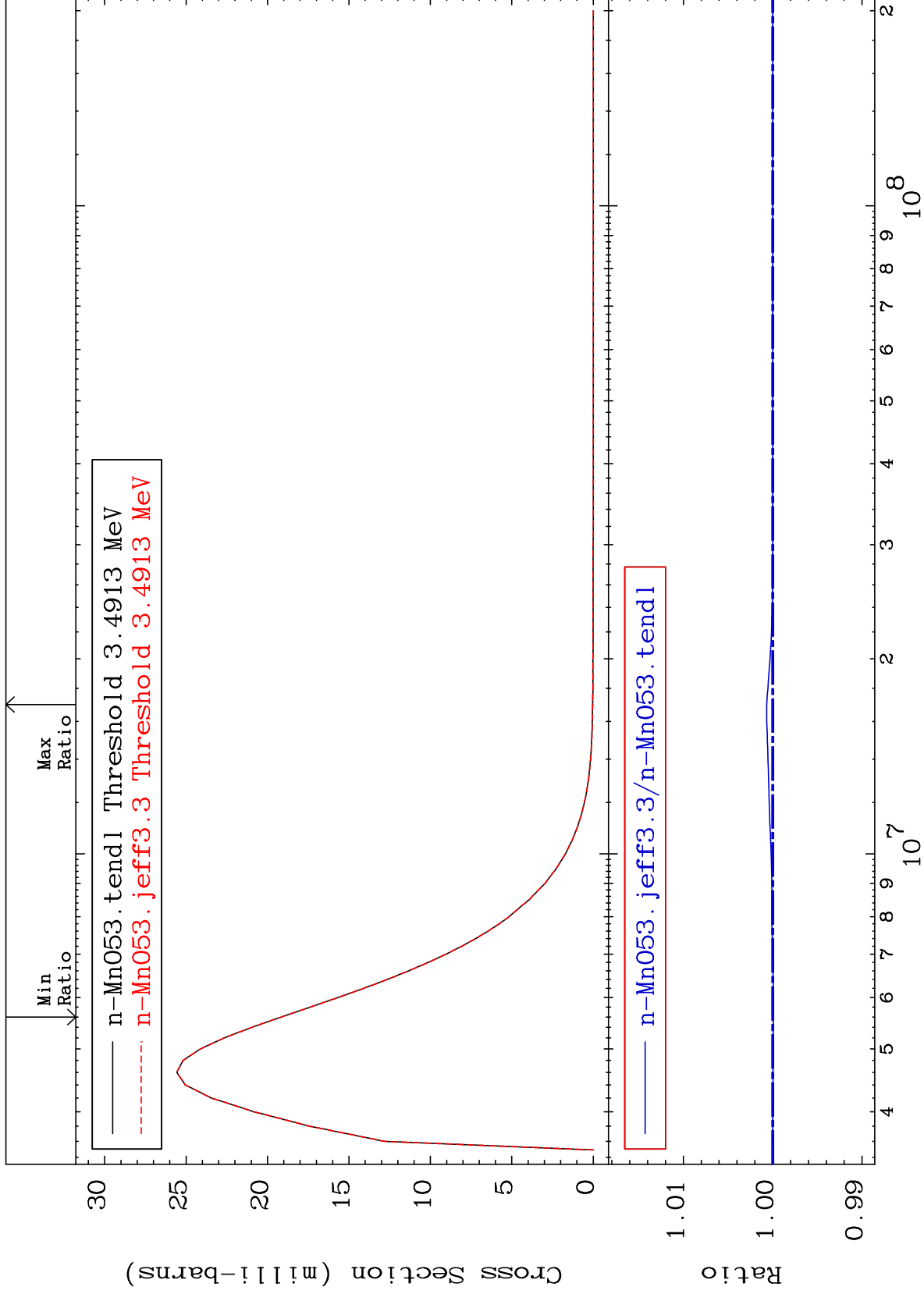
Incident Energy (eV)

25-Mn-53

MAT 2519

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

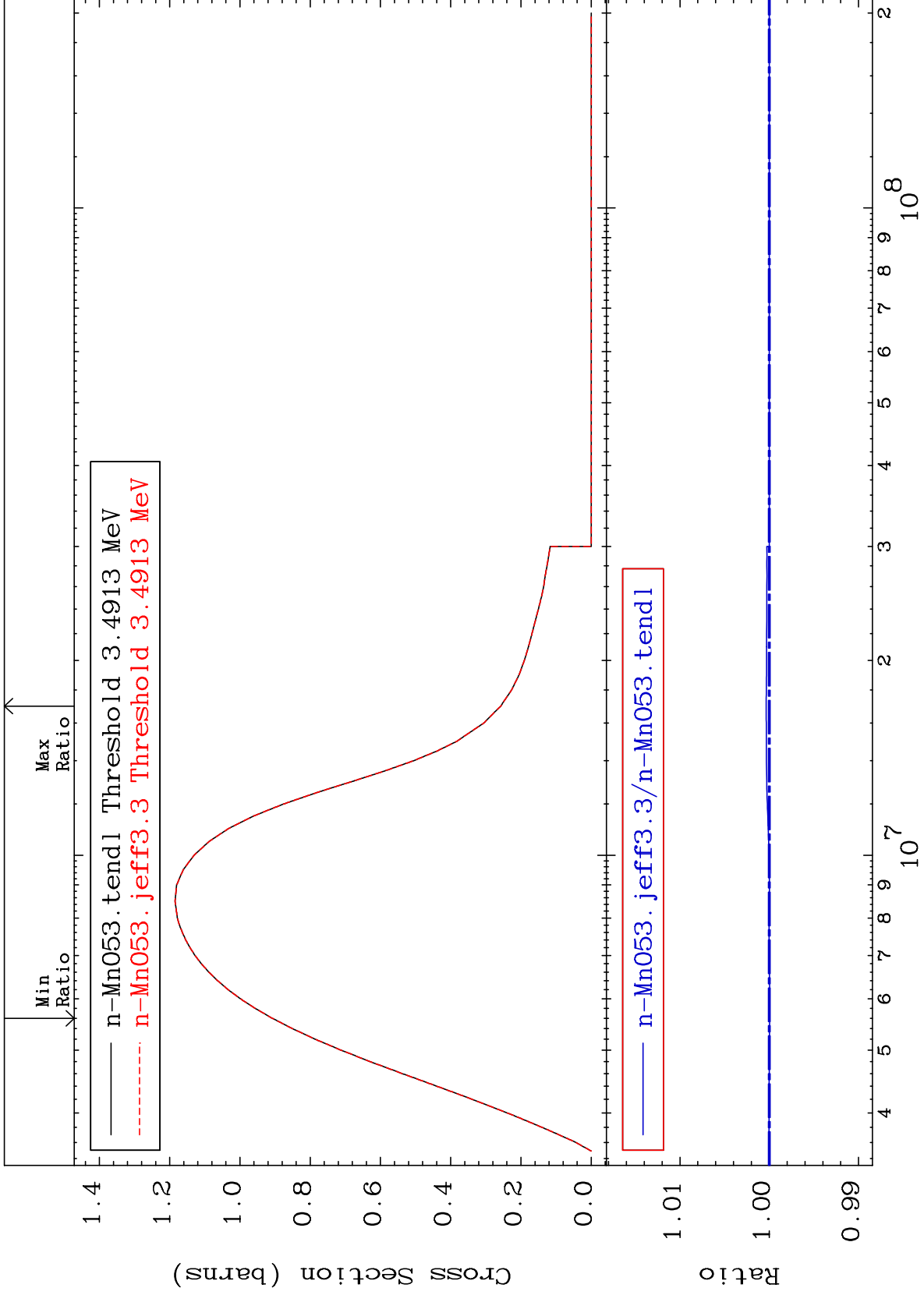
25-Mn-53
-0.010 To 0.067 %



46

25-Mn-53

25-Mn-53

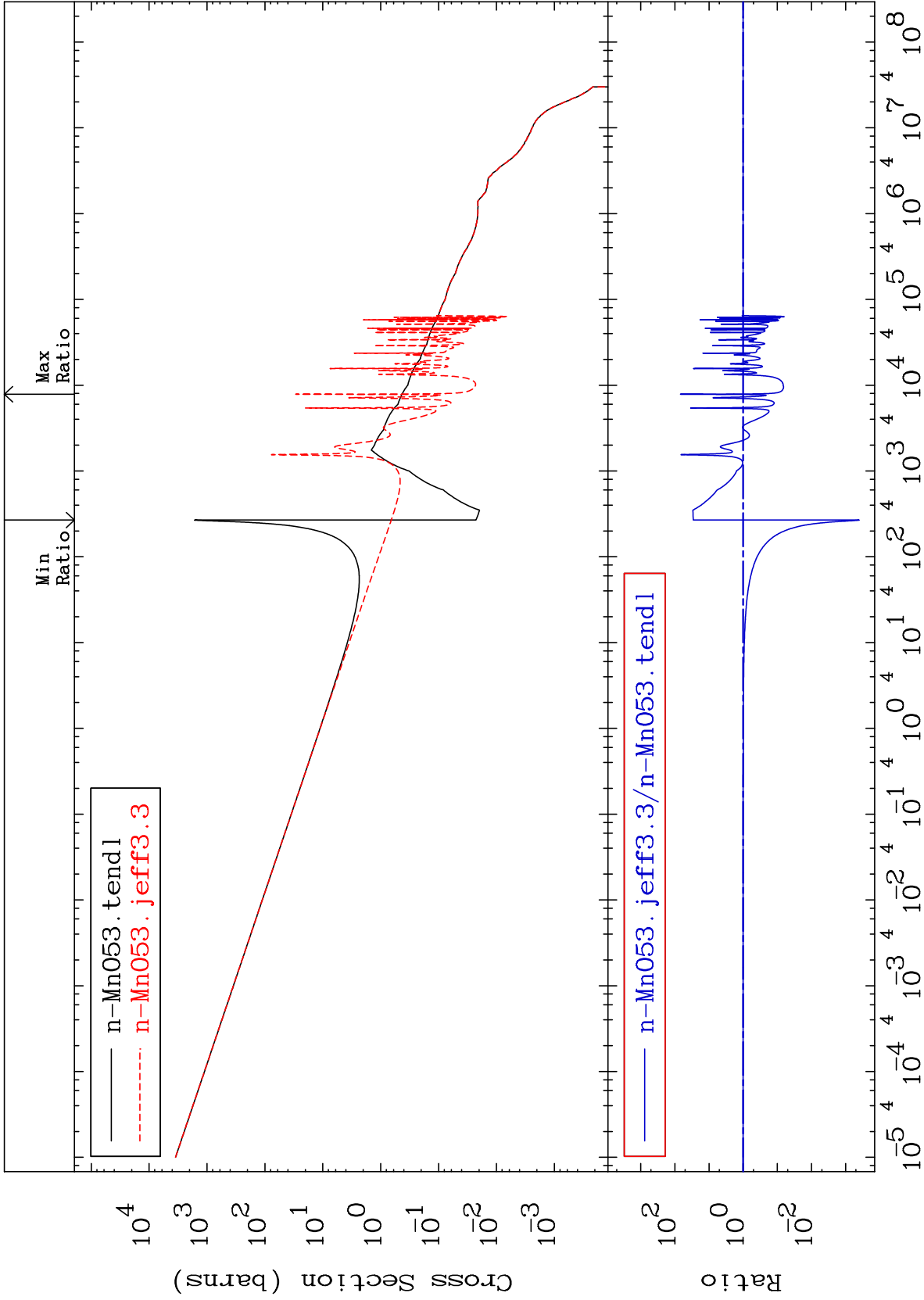


MAT 2519

25-Mn-53

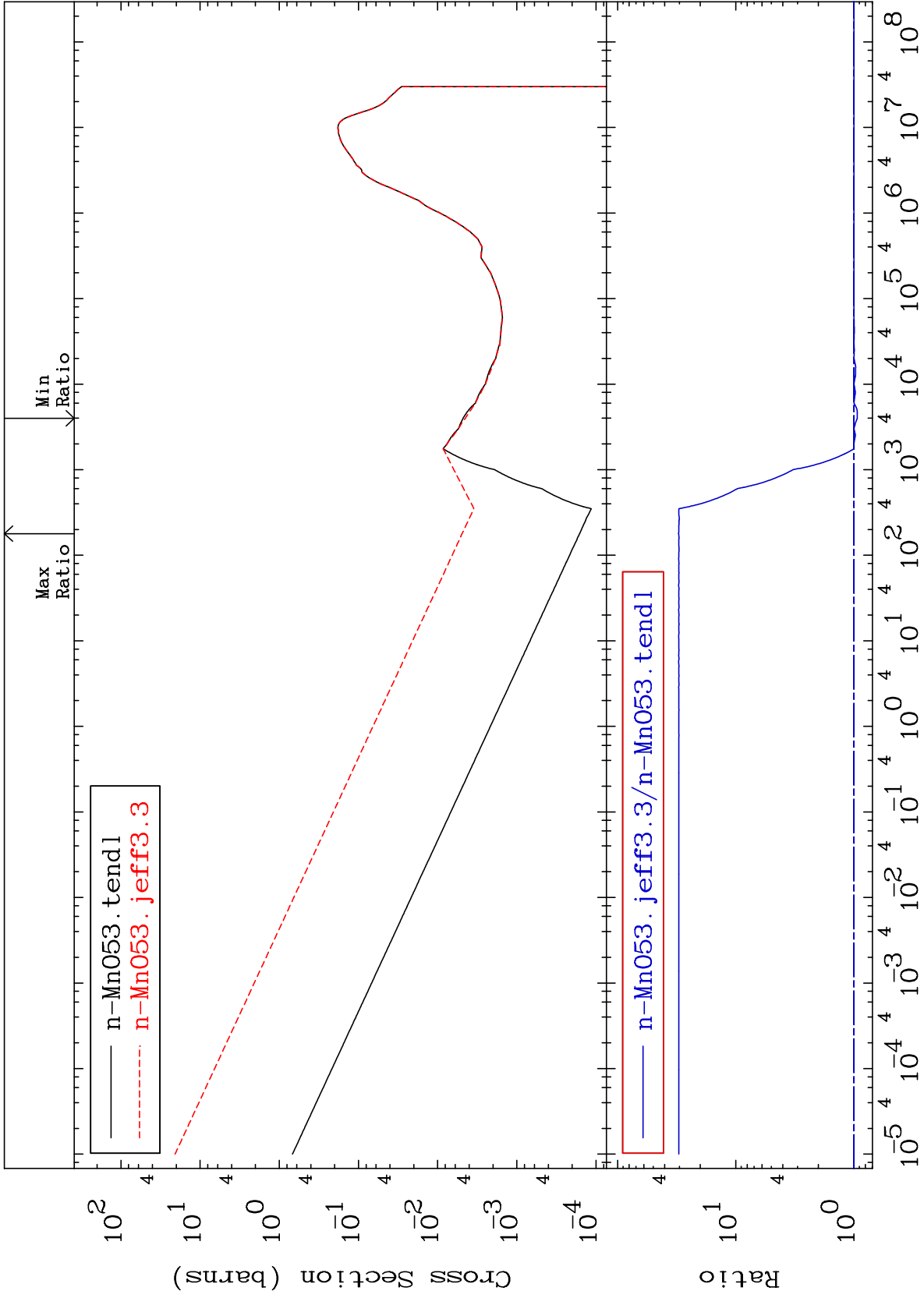
-99.96 To 6784. %

(n, γ)
Cross Section



MAT 2519

(n, p)
Cross Section
25-Mn-53
-6.329 To 2950. %



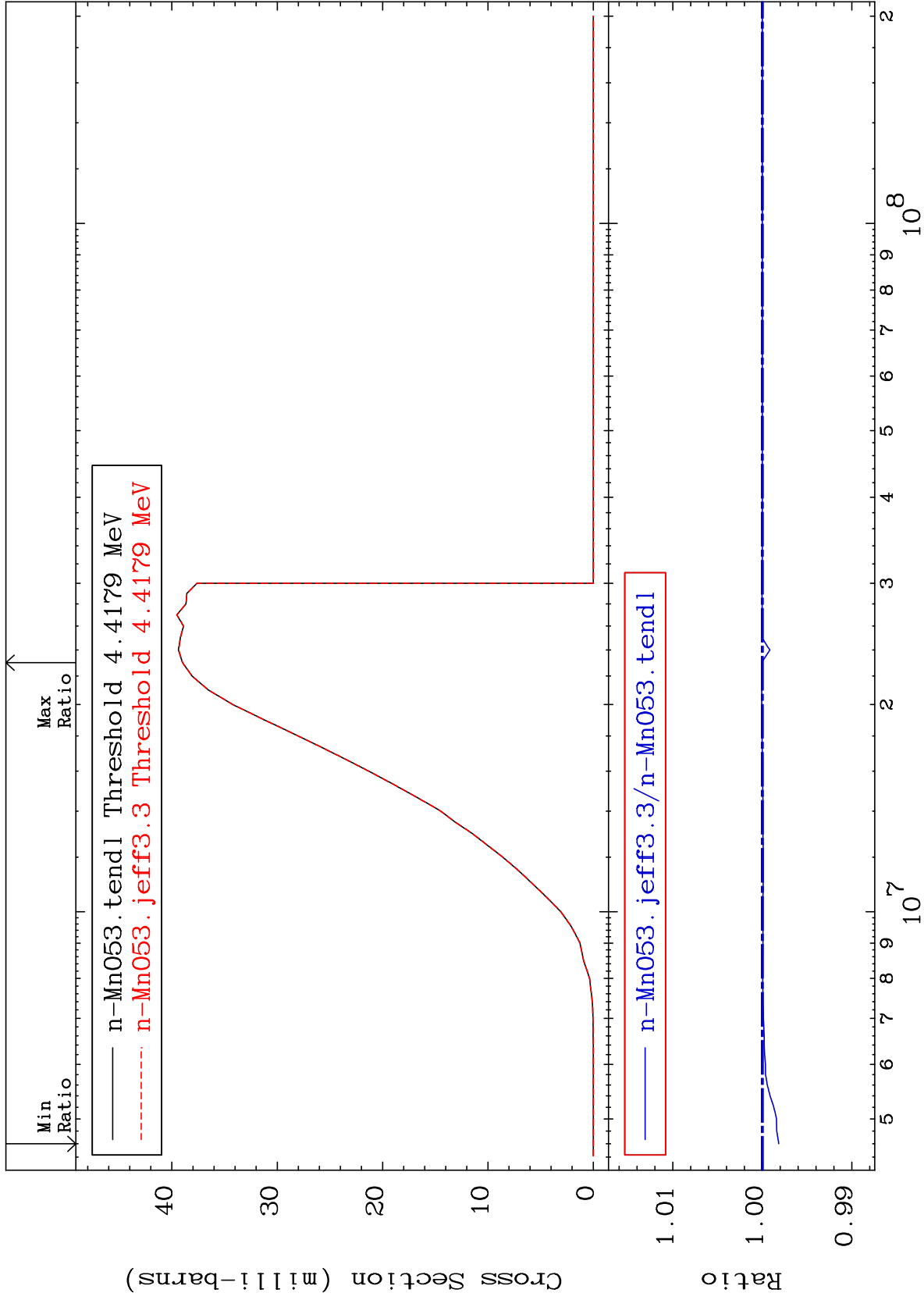
MAT 2519

(n, d)

²⁵Mn-53

-0.184 To 0.009 %

Cross Section



MAT 2519

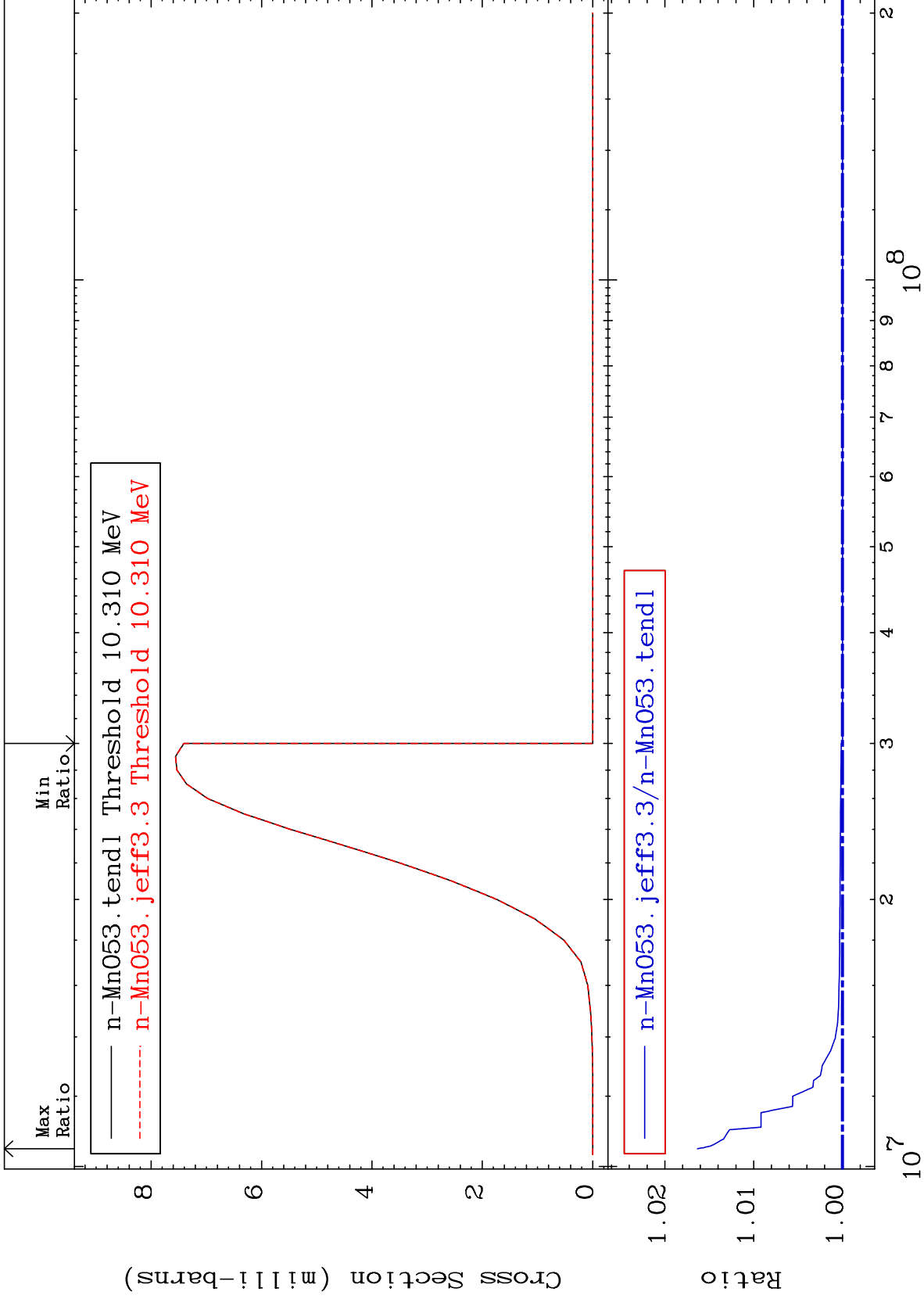
(n, t)

²⁵Mn-53

Cross Section

0.000

To 1.634 %



51

Incident Energy (eV)

²⁵Mn-53

MAT 2519

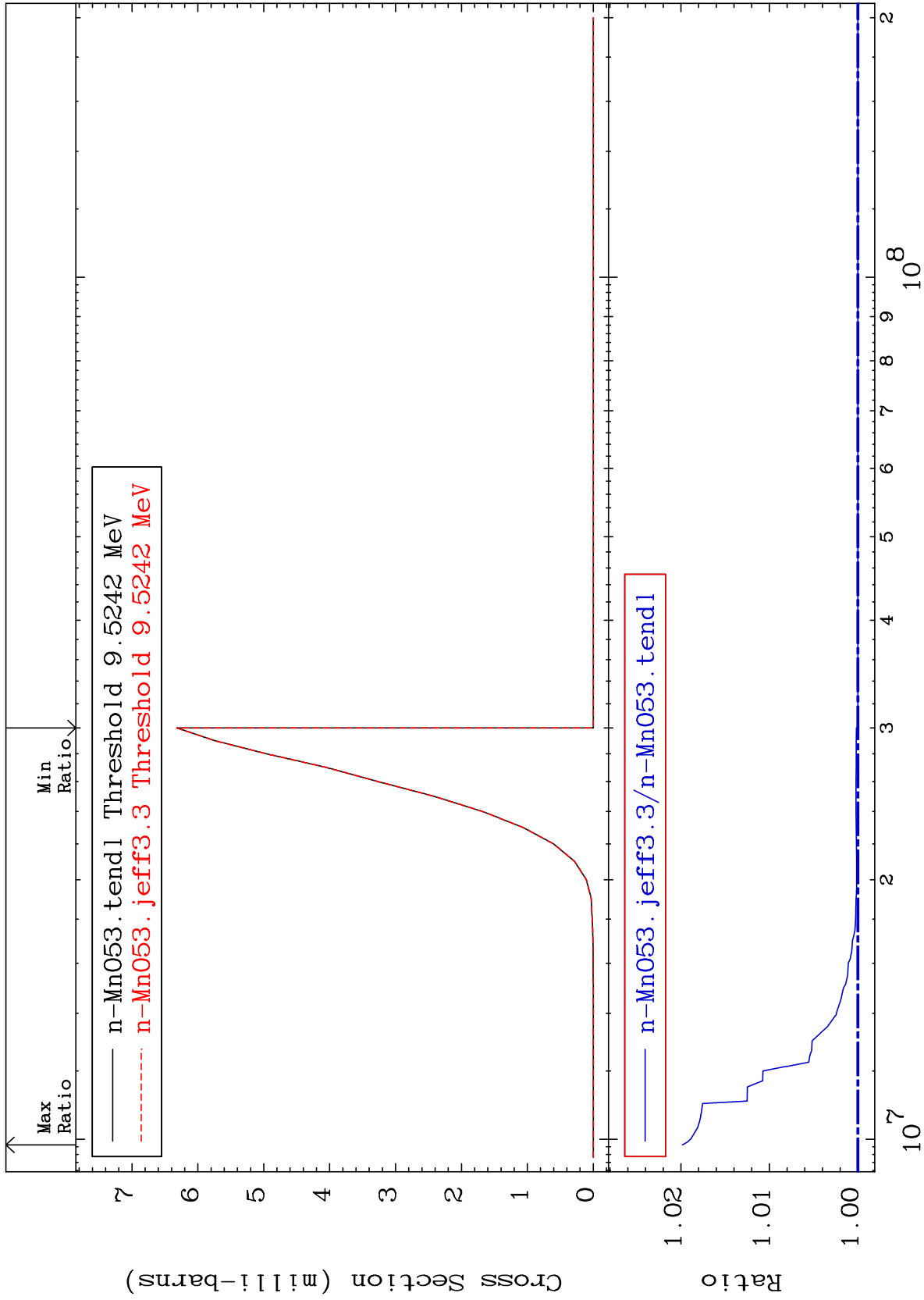
(n, He-3)

²⁵Mn-53

Cross Section

0.000

To 1.982 %



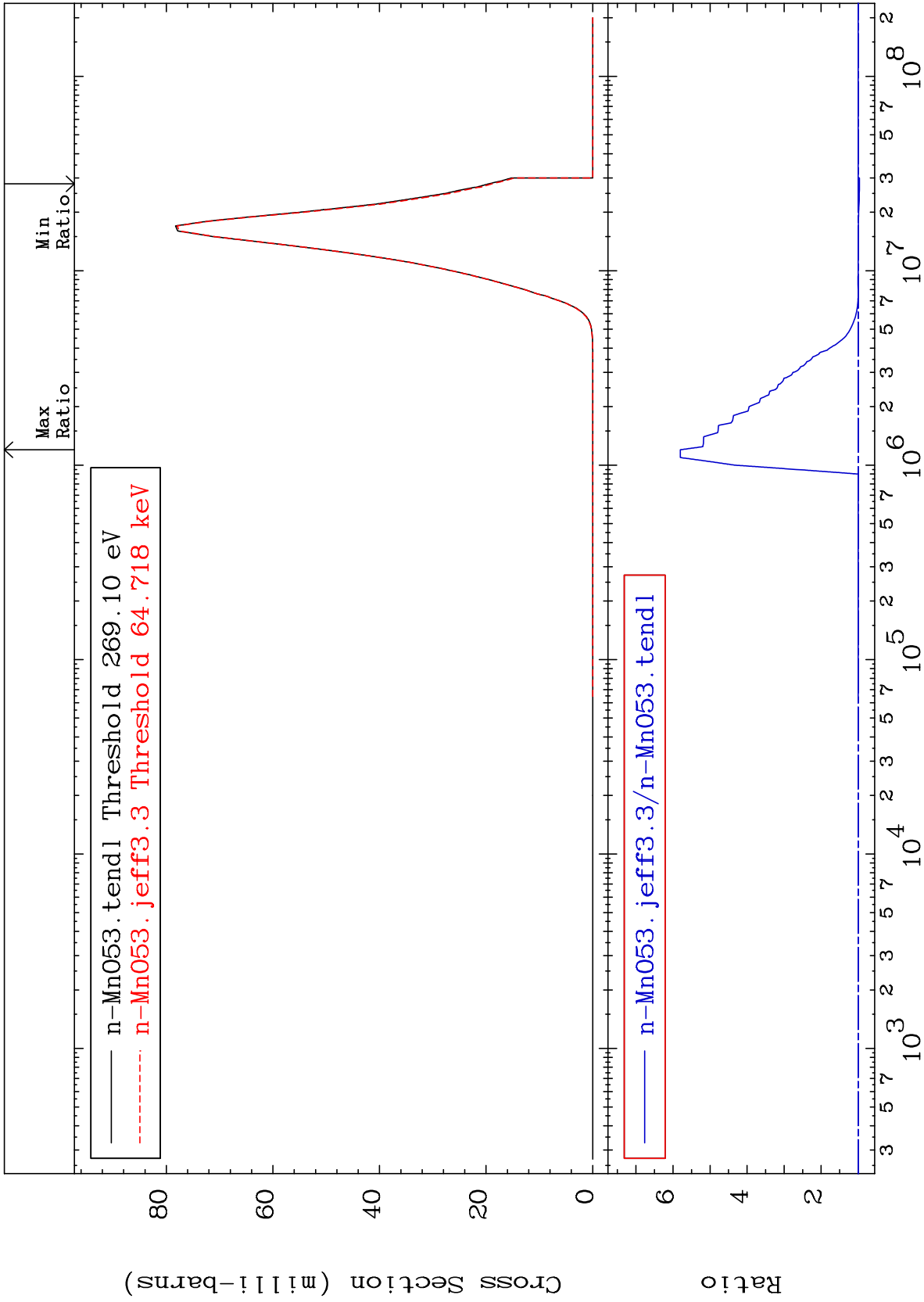
MAT 2519

(n, α)

25-Mn-53

Cross Section

-3.360 To 480.1 %



53

Incident Energy (eV)

25-Mn-53

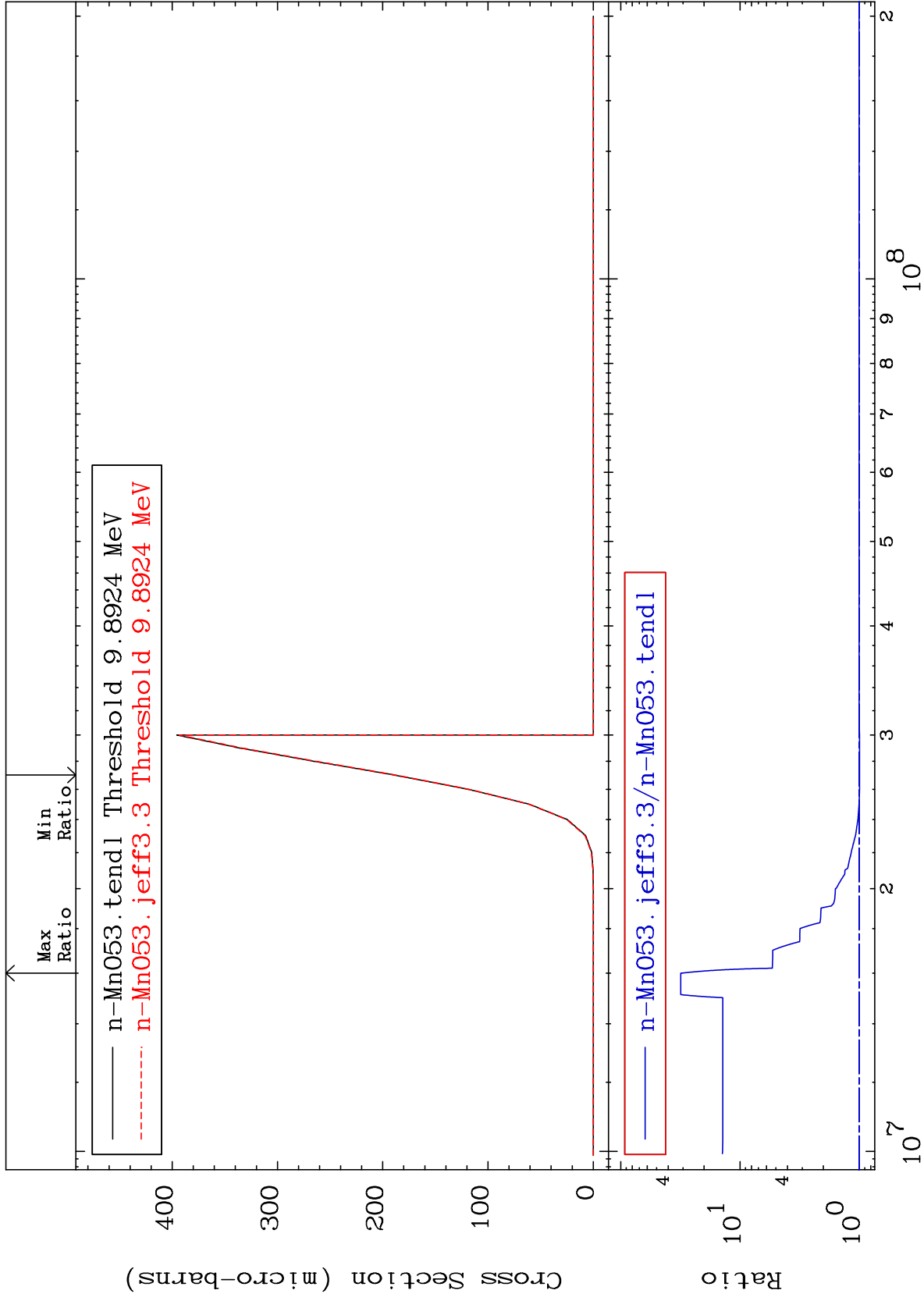
MAT 2519

(n,2α)

²⁵Mn-53

Cross Section

-0.649 To 3038. %



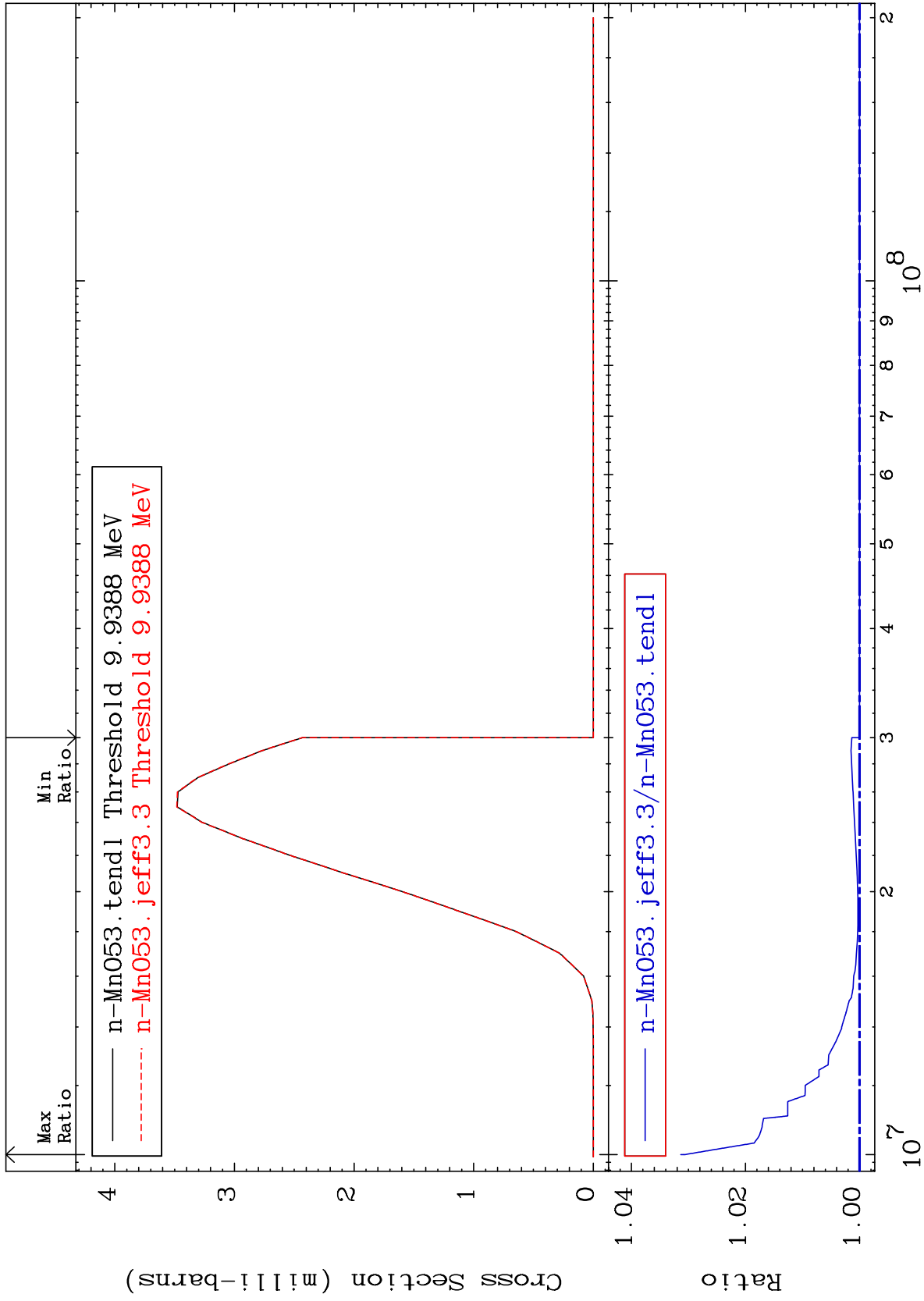
54

Incident Energy (eV)

²⁵Mn-53

MAT 2519

(n,2p)
Cross Section
25-Mn-53
To 3.135 %
0.000



55

Incident Energy (eV)

25-Mn-53

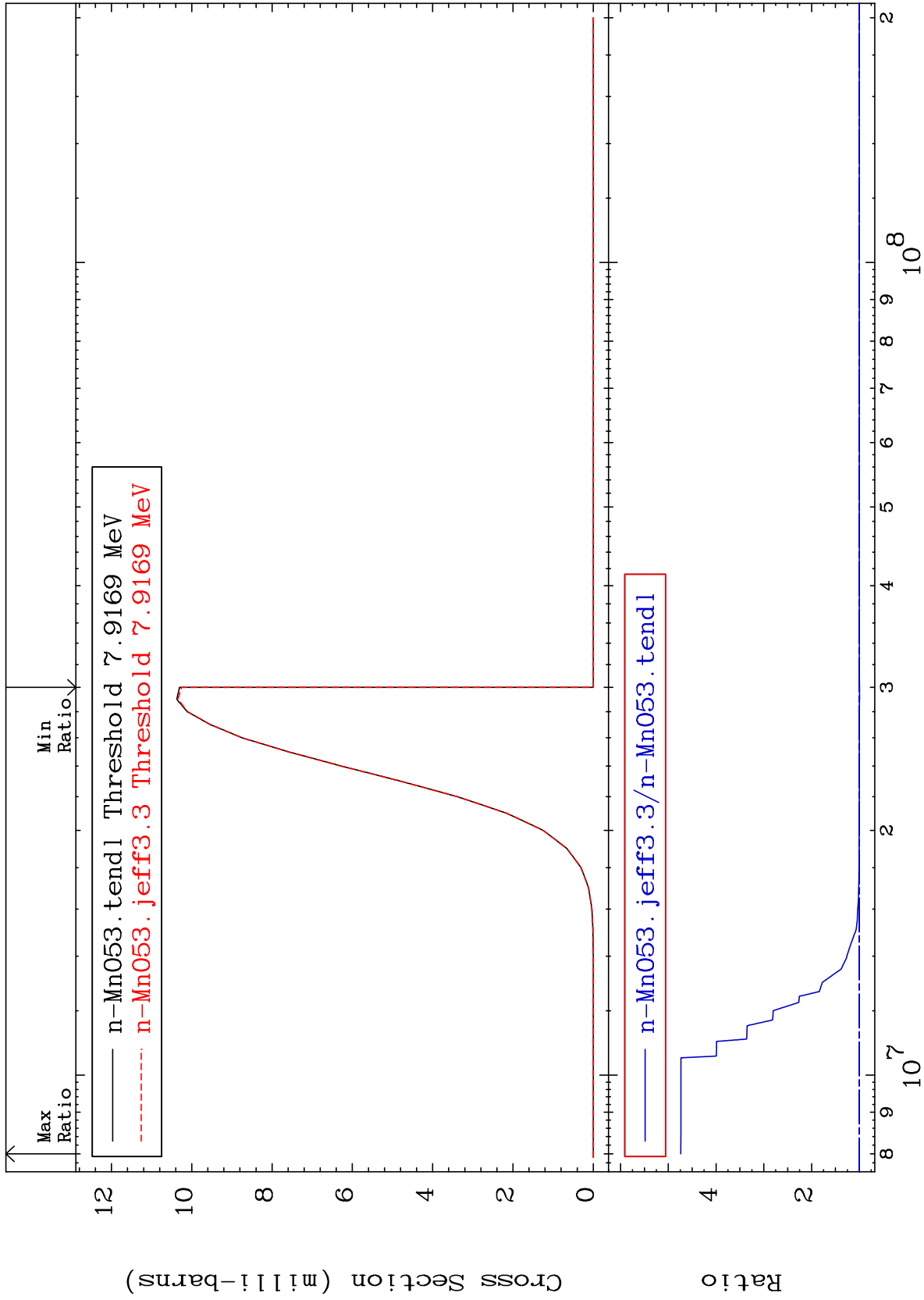
MAT 2519

(n,p) α

²⁵Mn-53

Cross Section

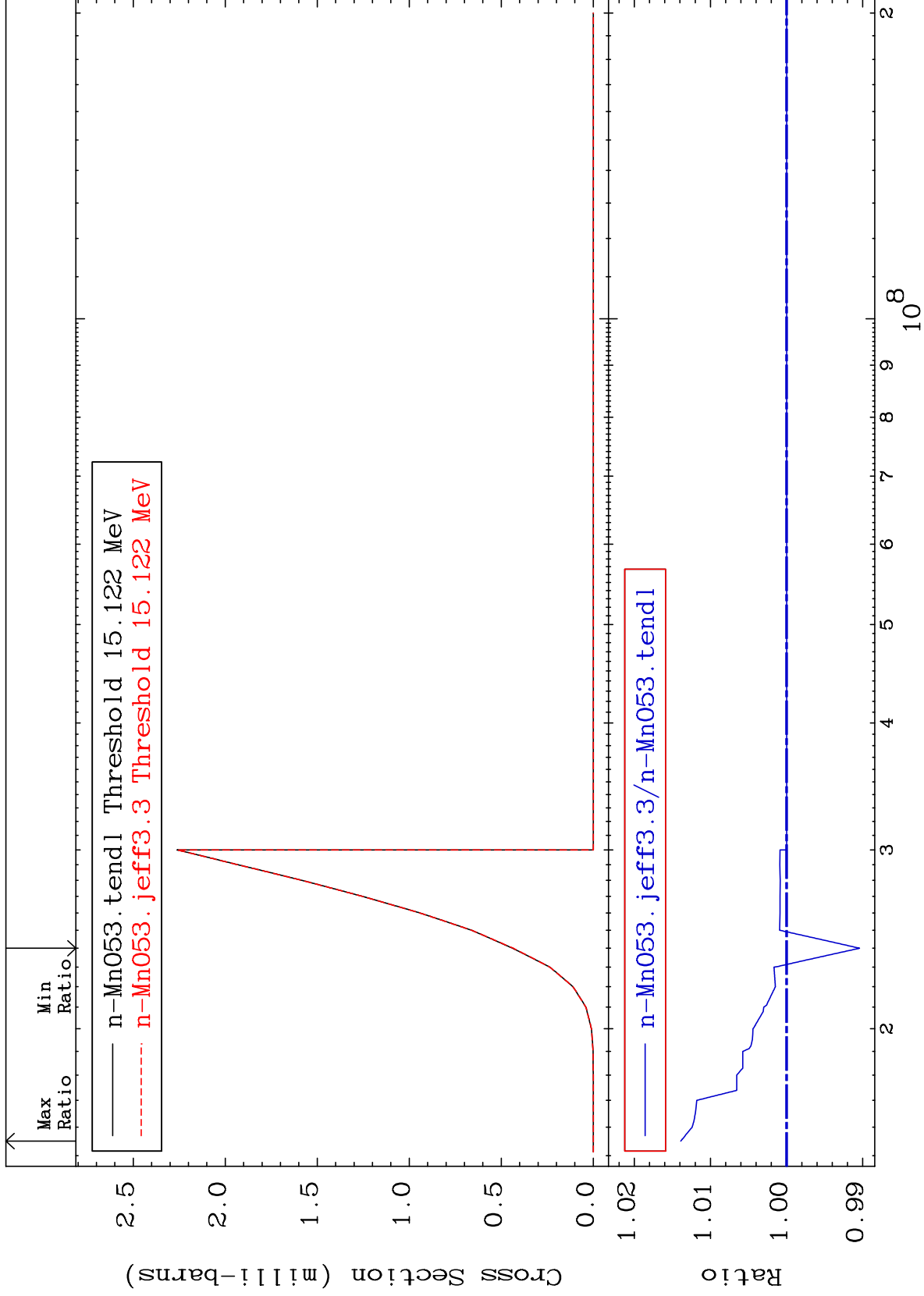
-0.477 To 373.9 %



56

Incident Energy (eV)

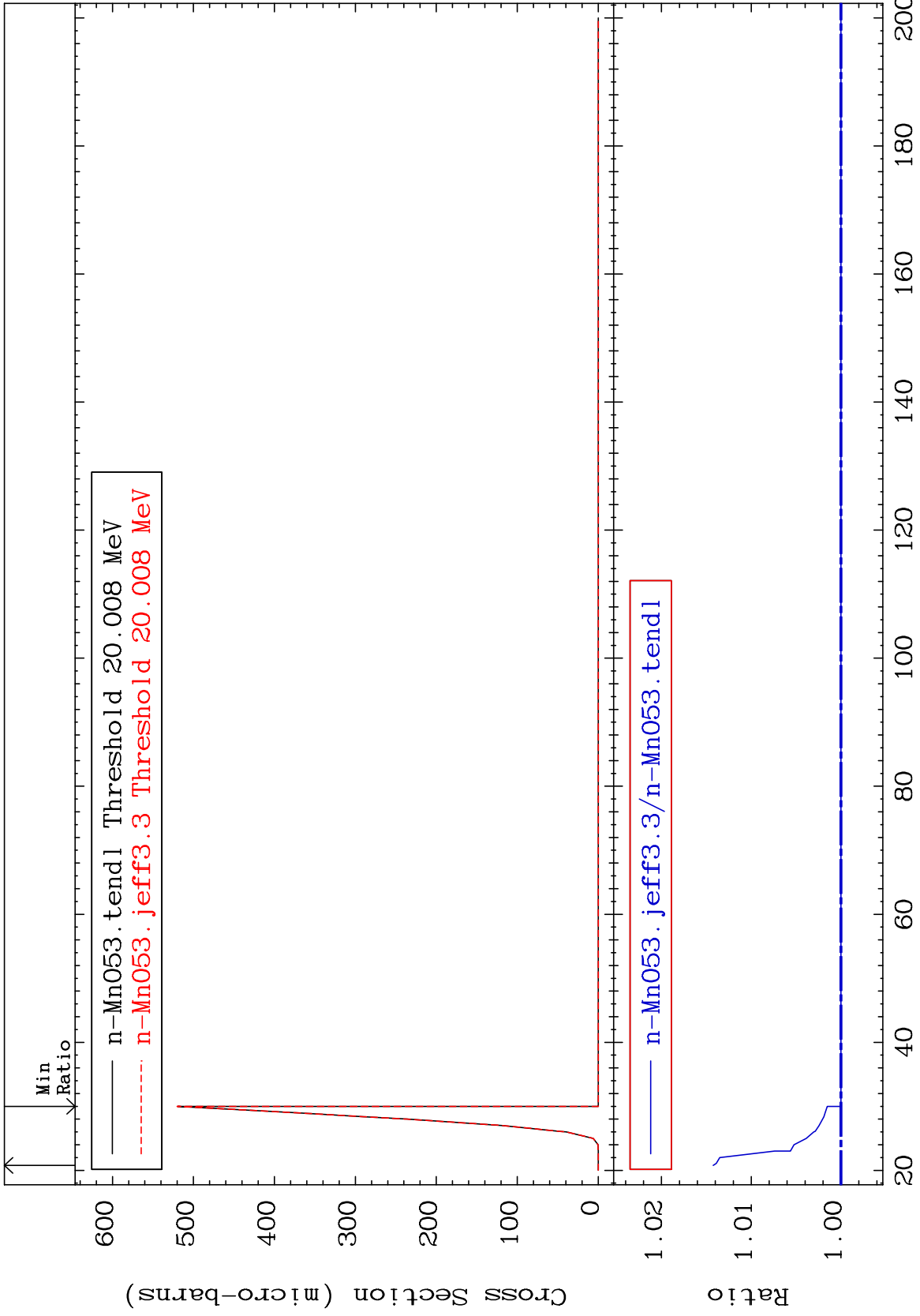
²⁵Mn-53

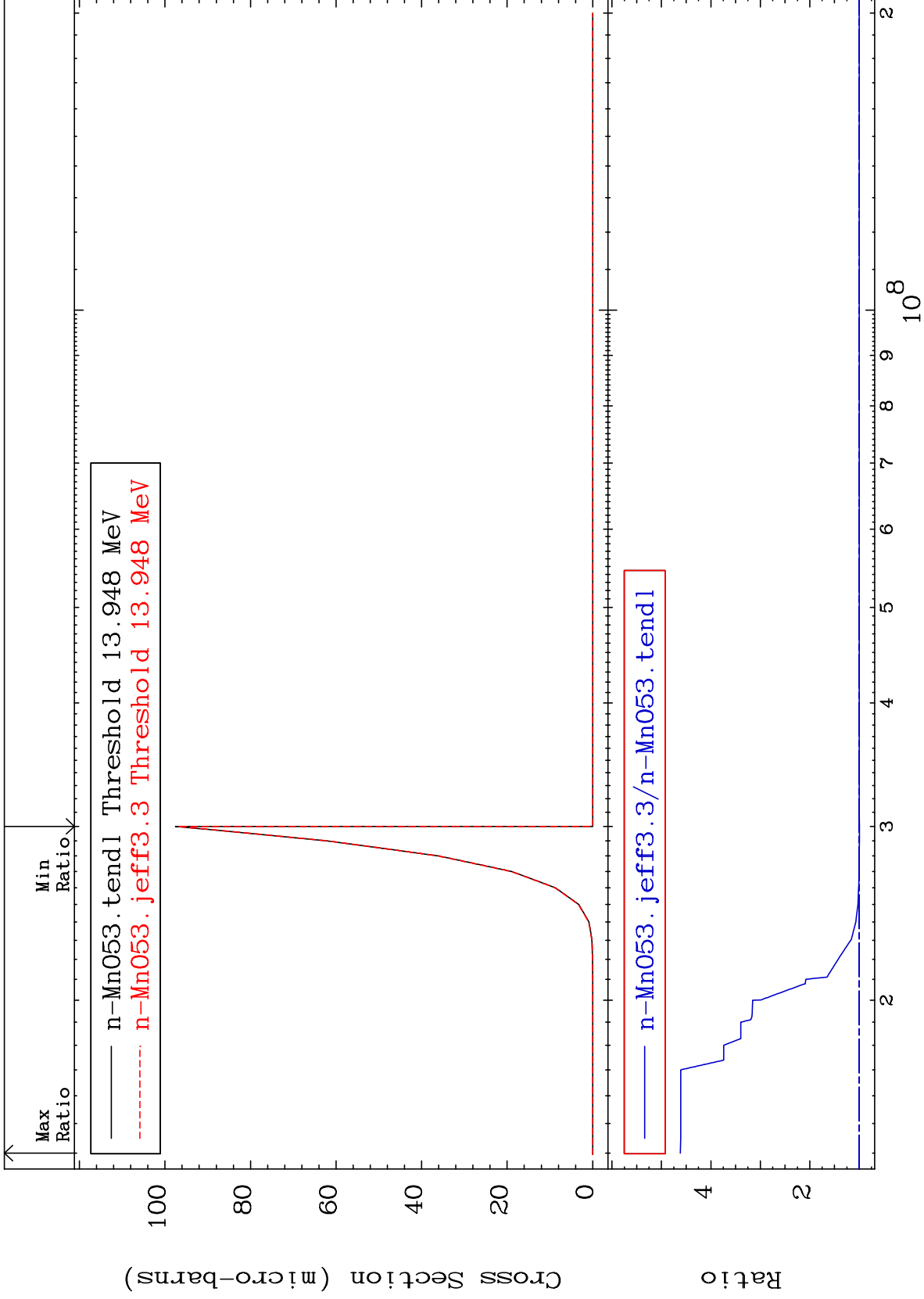


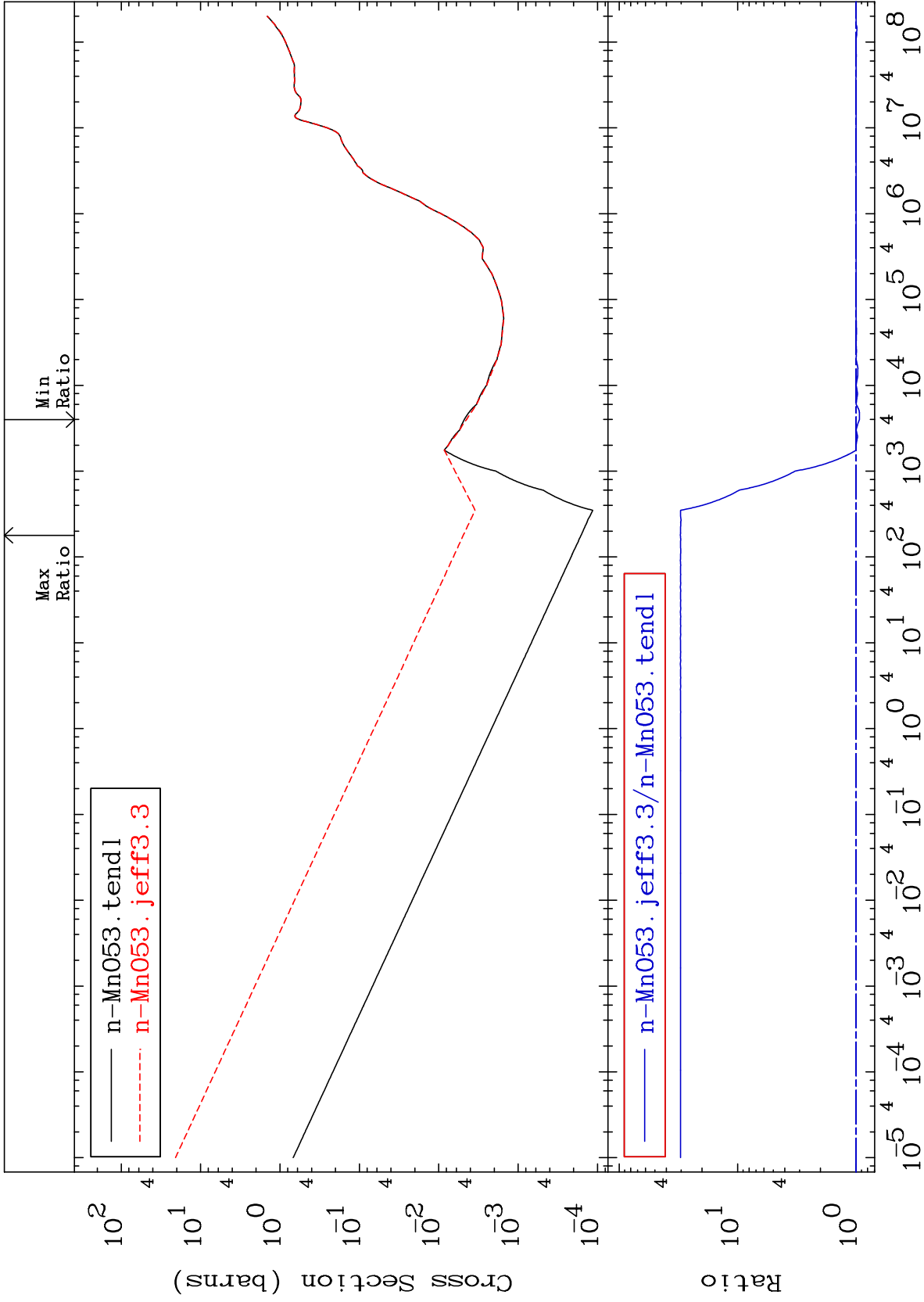
MAT 2519

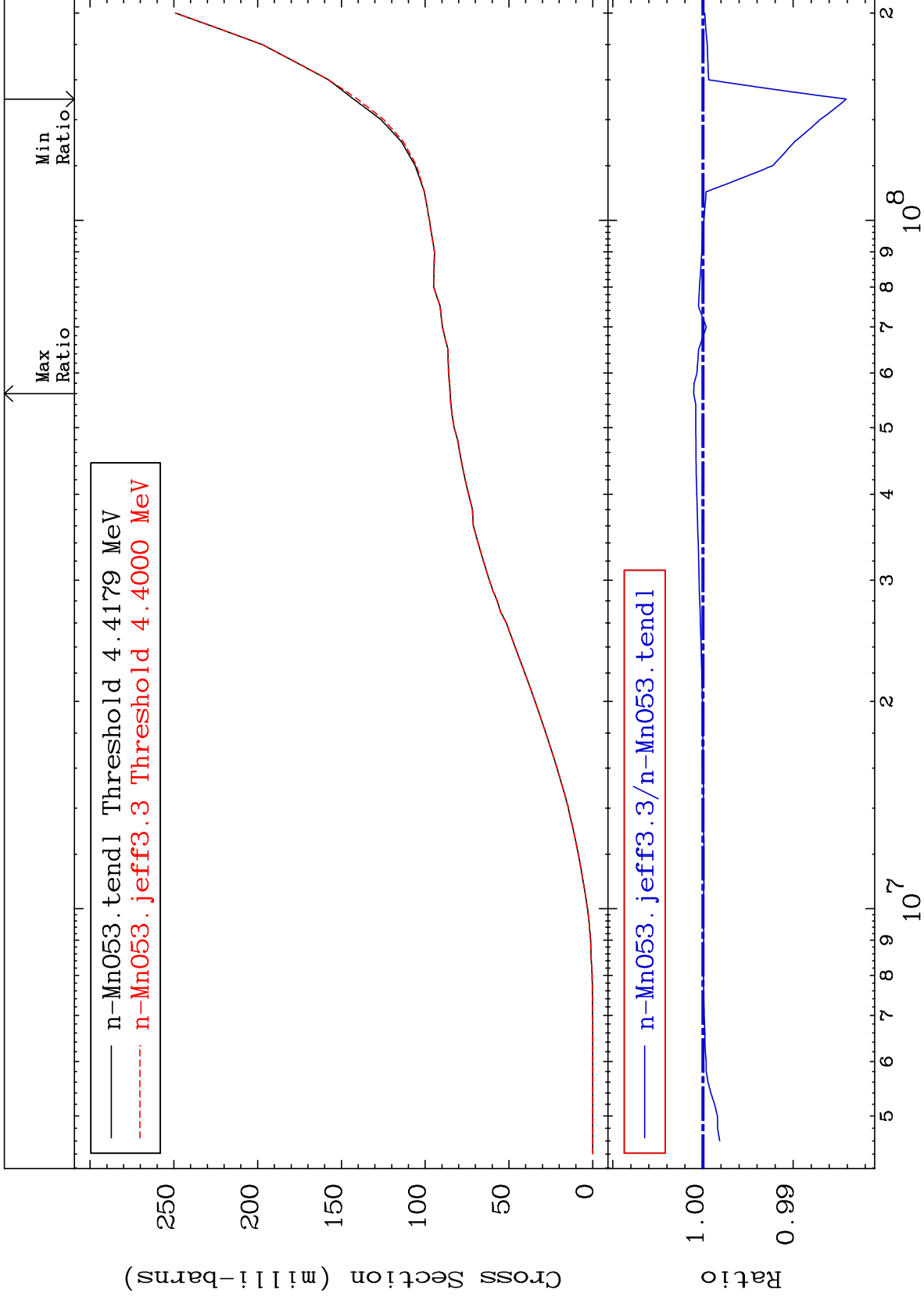
(n,p) t
Cross Section

25-Mn-53
To 1.424 %
0.000





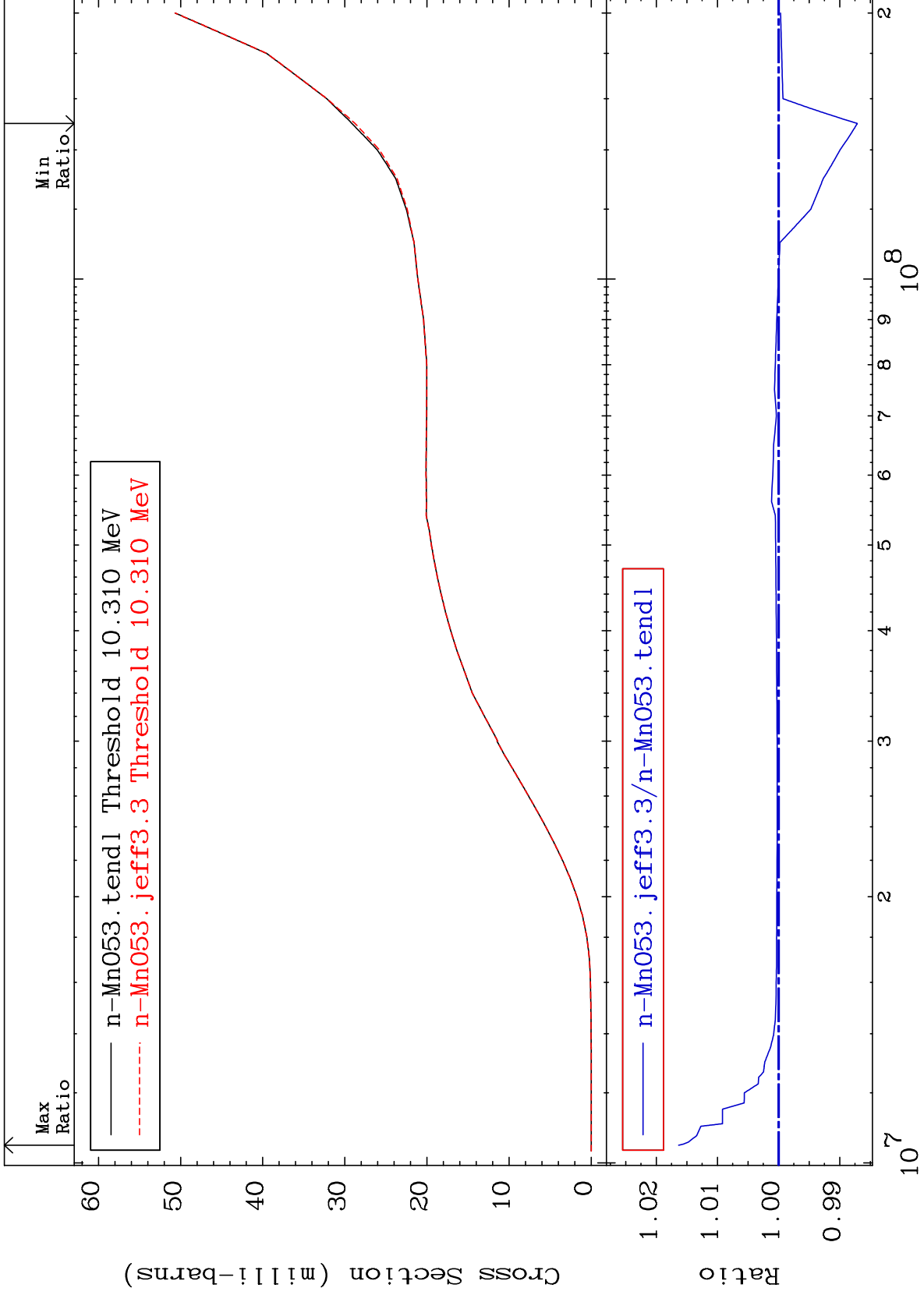




MAT 2519

Tritium Production
Cross Section

²⁵Mn-53
-1.286 To 1.634 %



Incident Energy (eV)

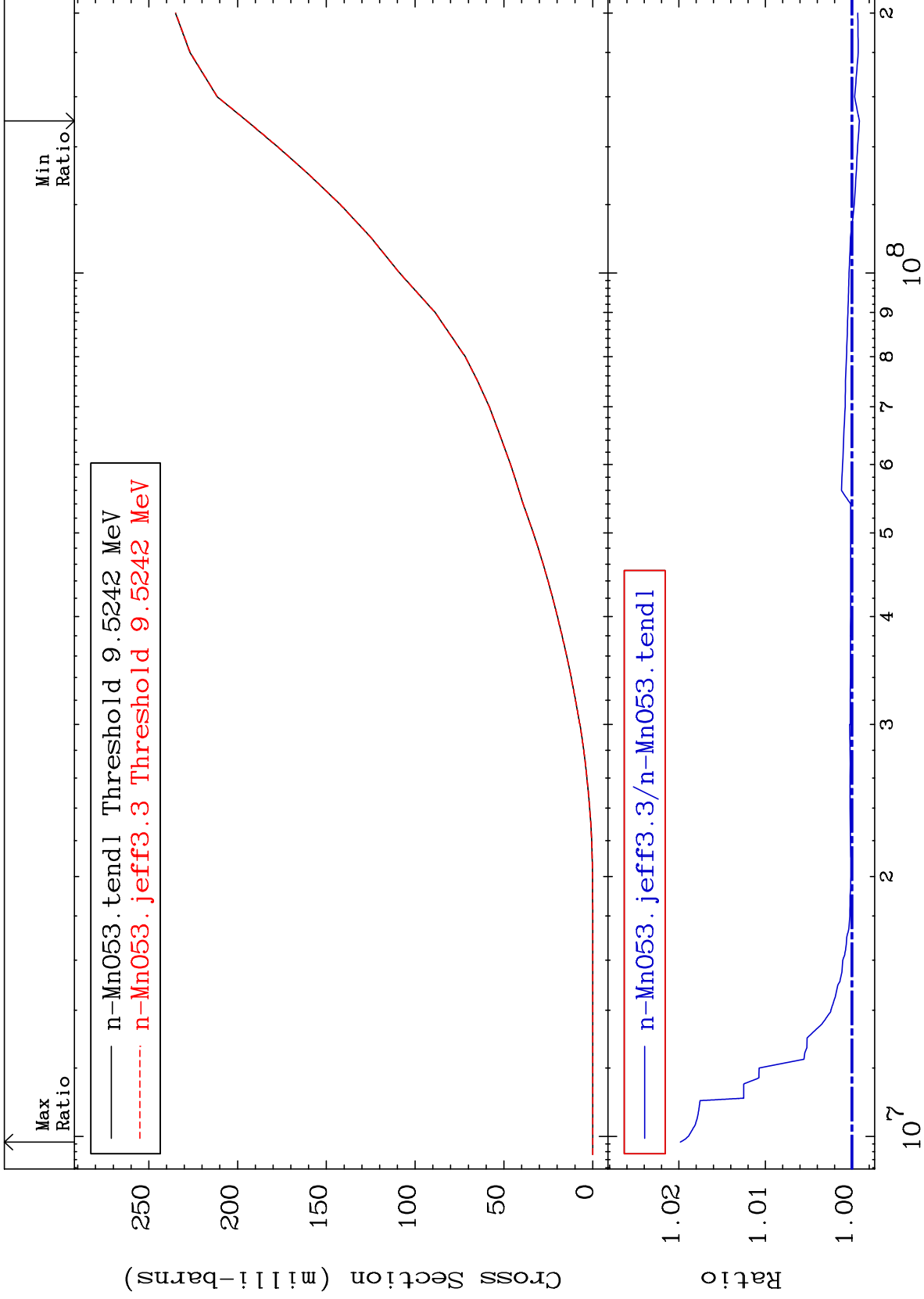
²⁵Mn-53

62

MAT 2519

He-3 Production
Cross Section

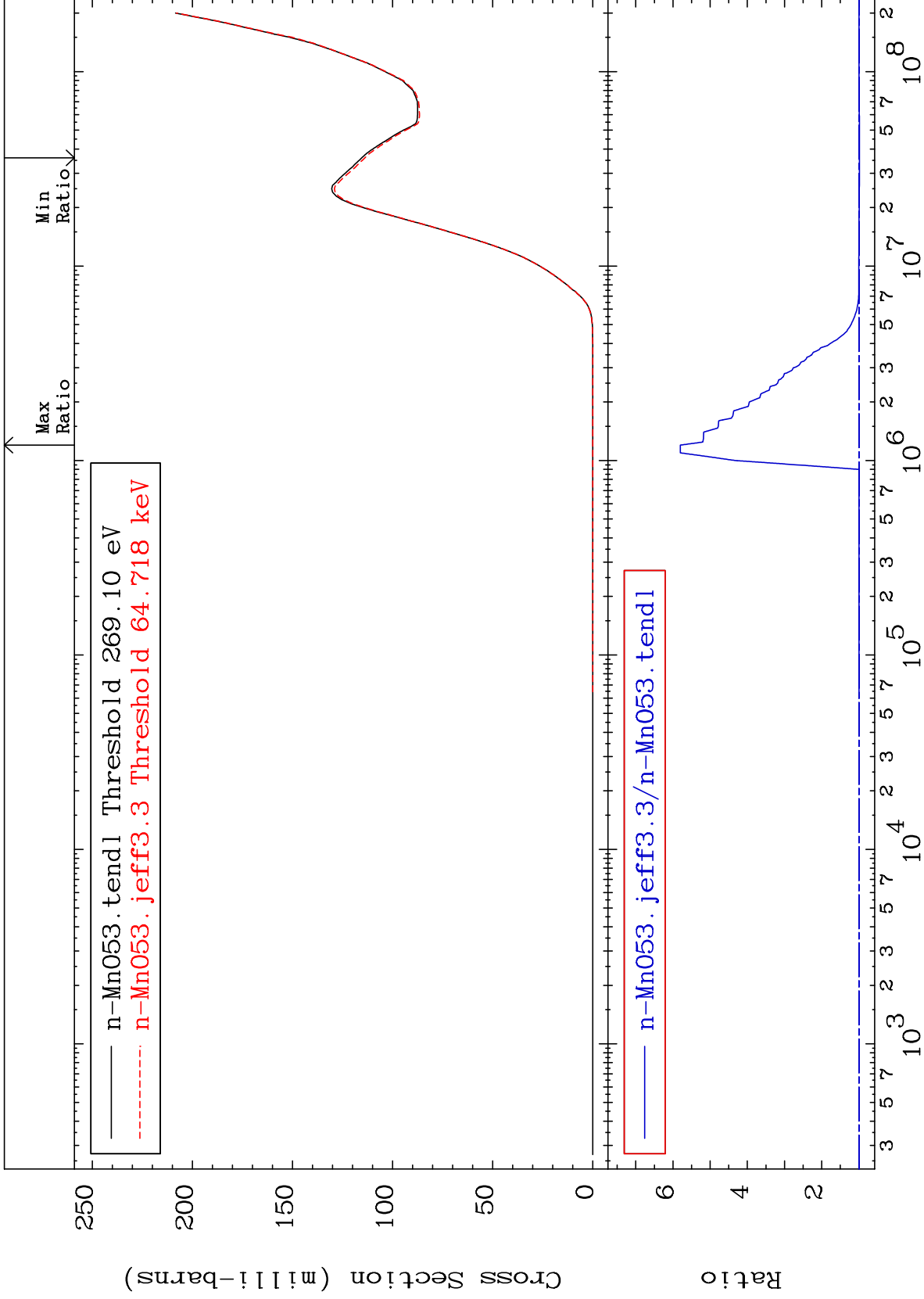
²⁵Mn-53
-0.086 To 1.982 %

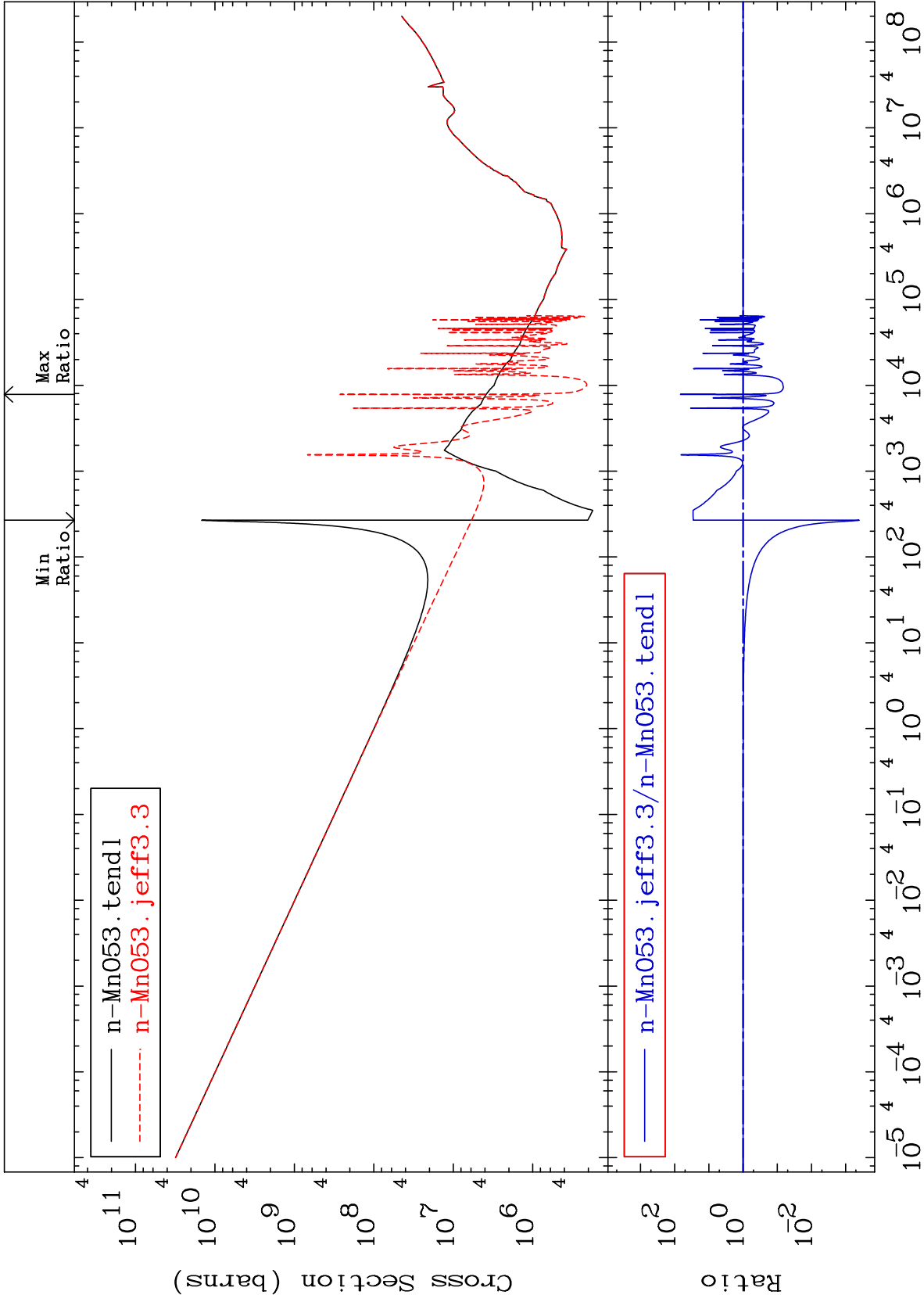


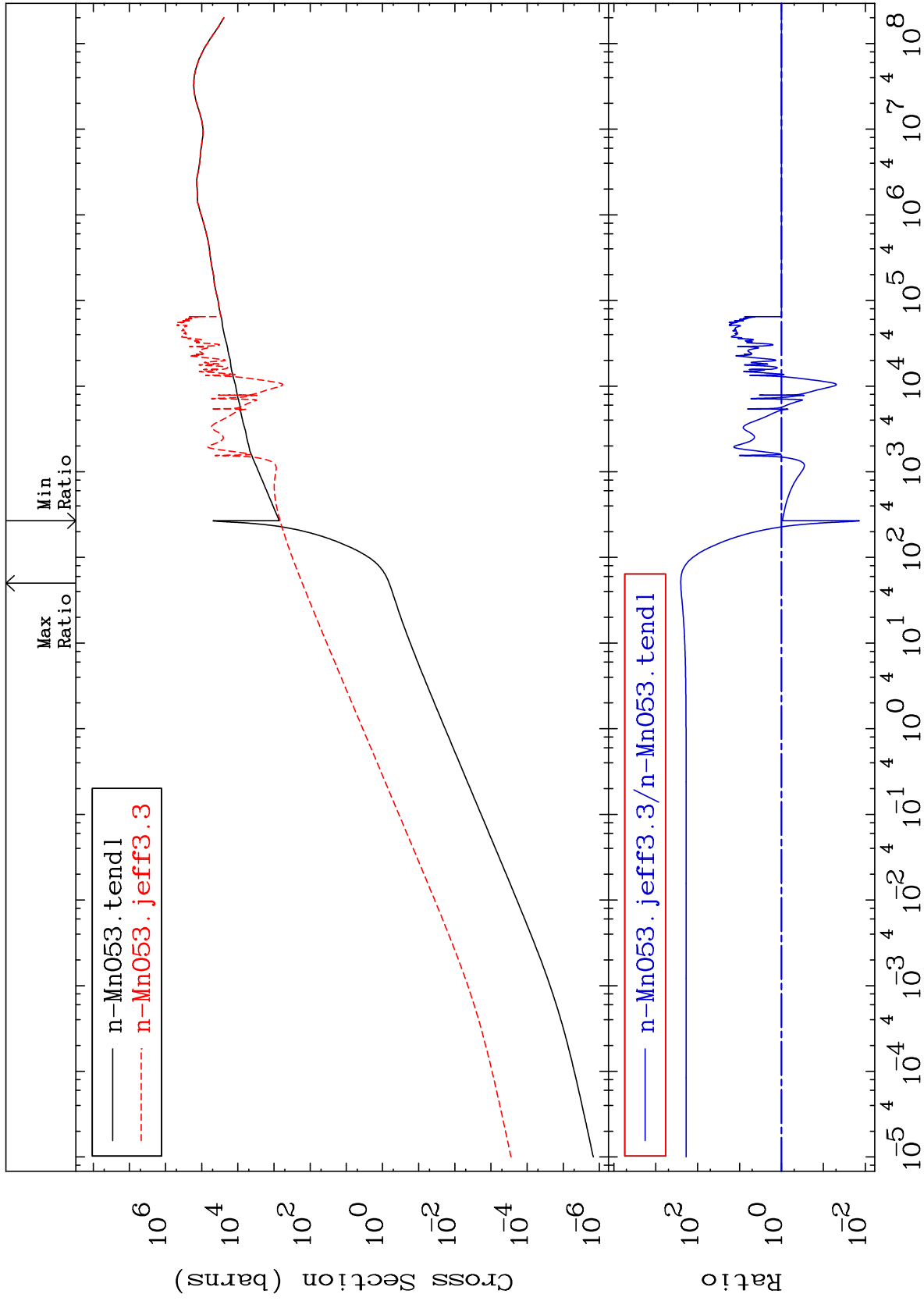
63

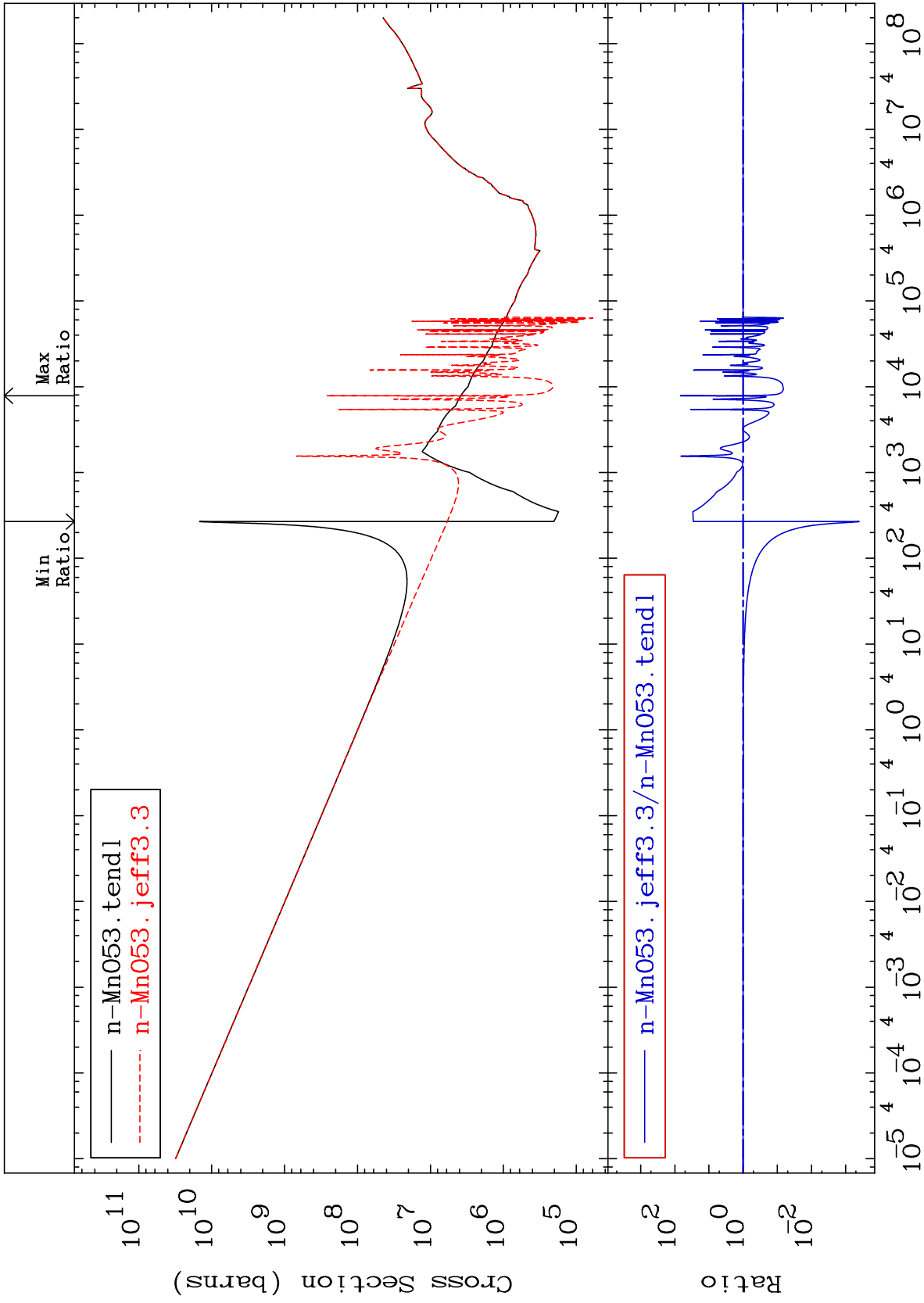
Incident Energy (eV)

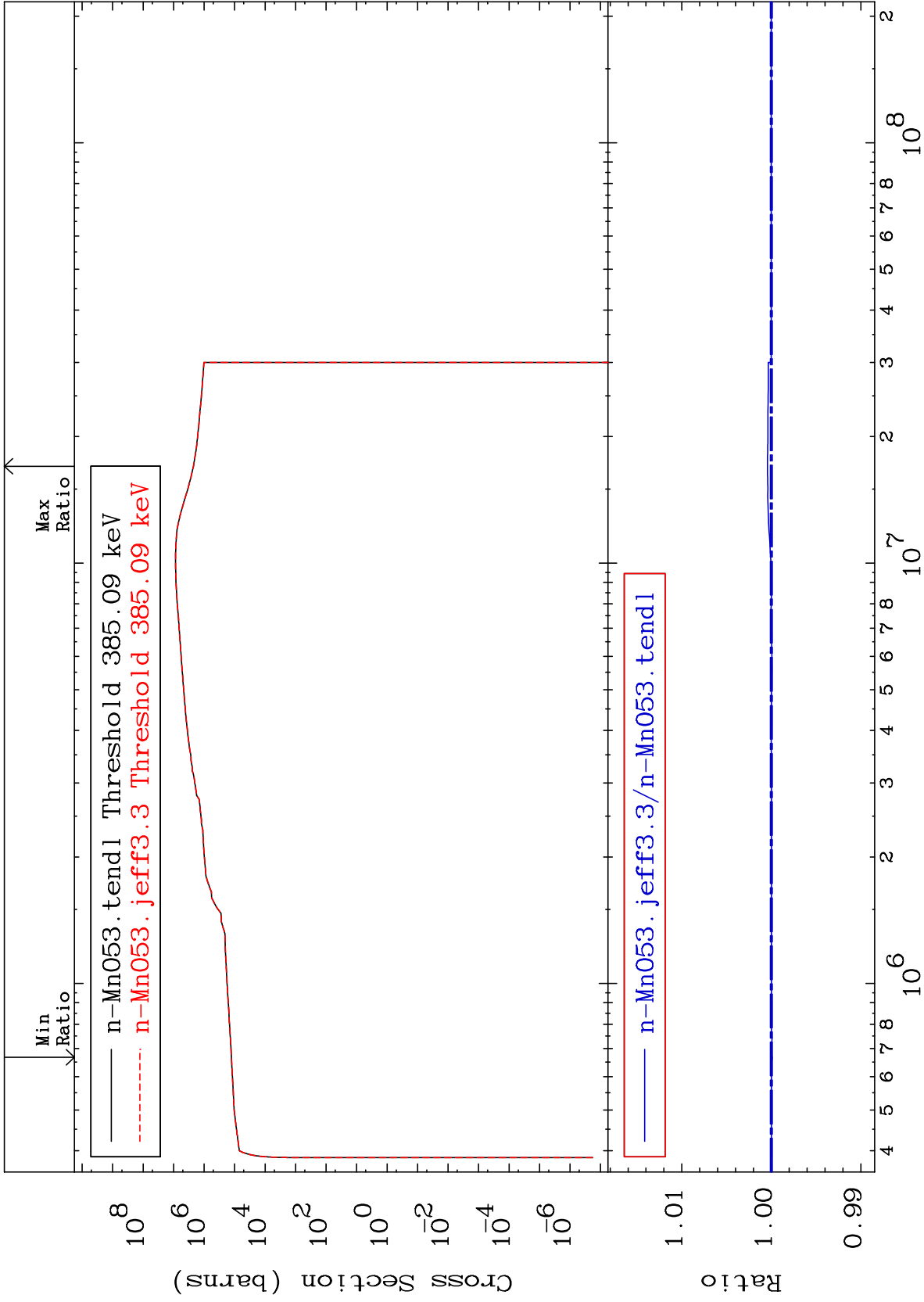
²⁵Mn-53

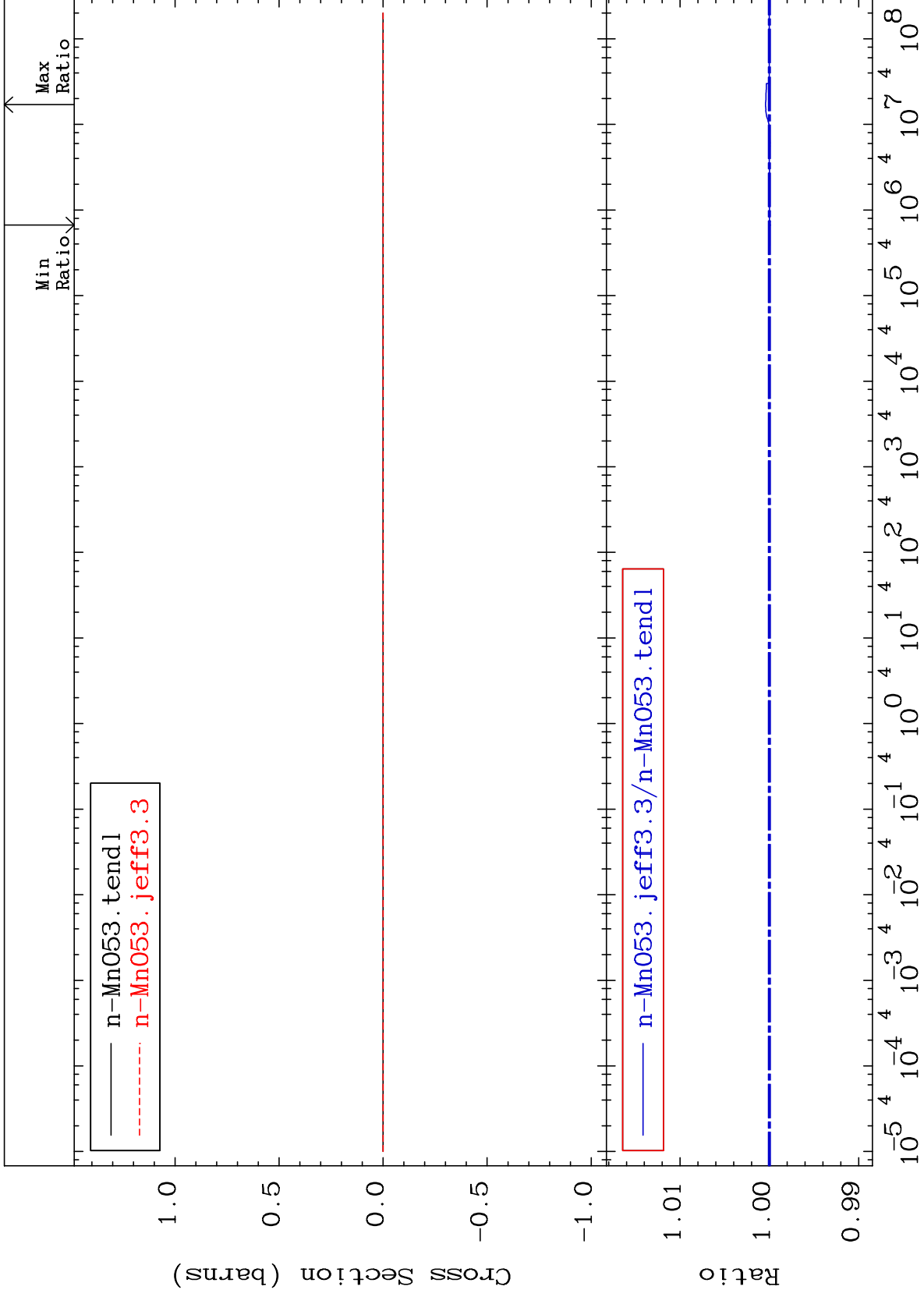


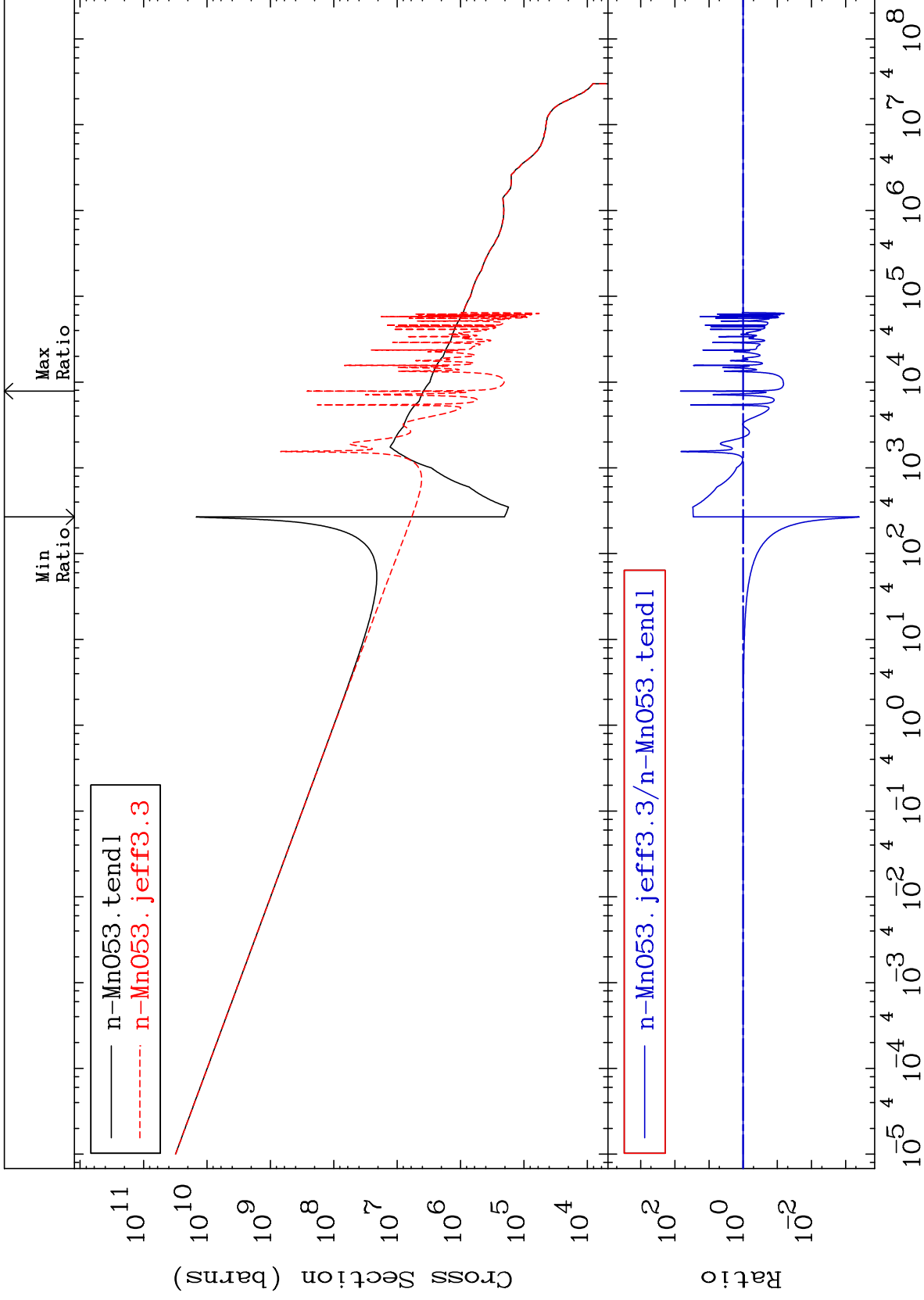


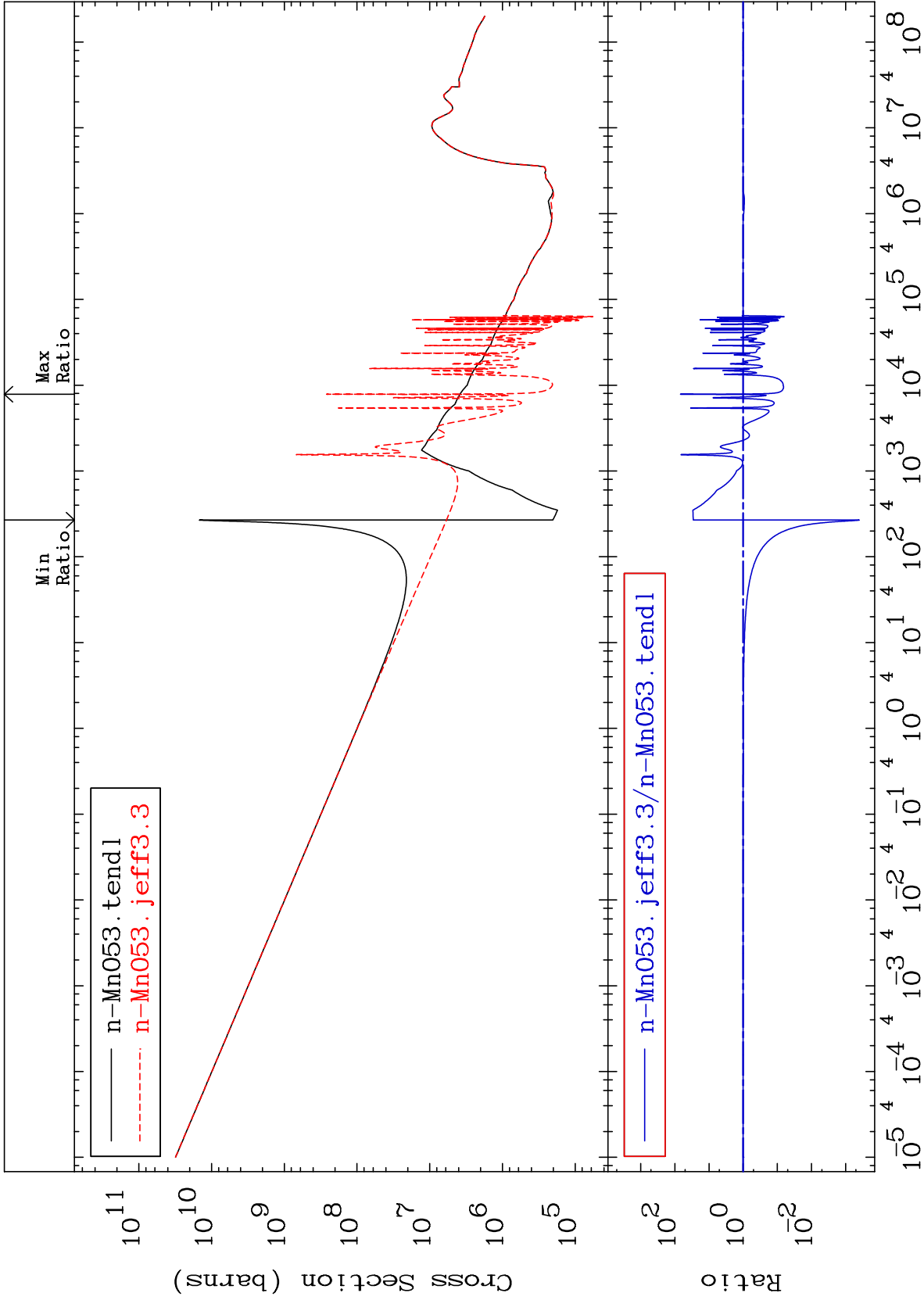


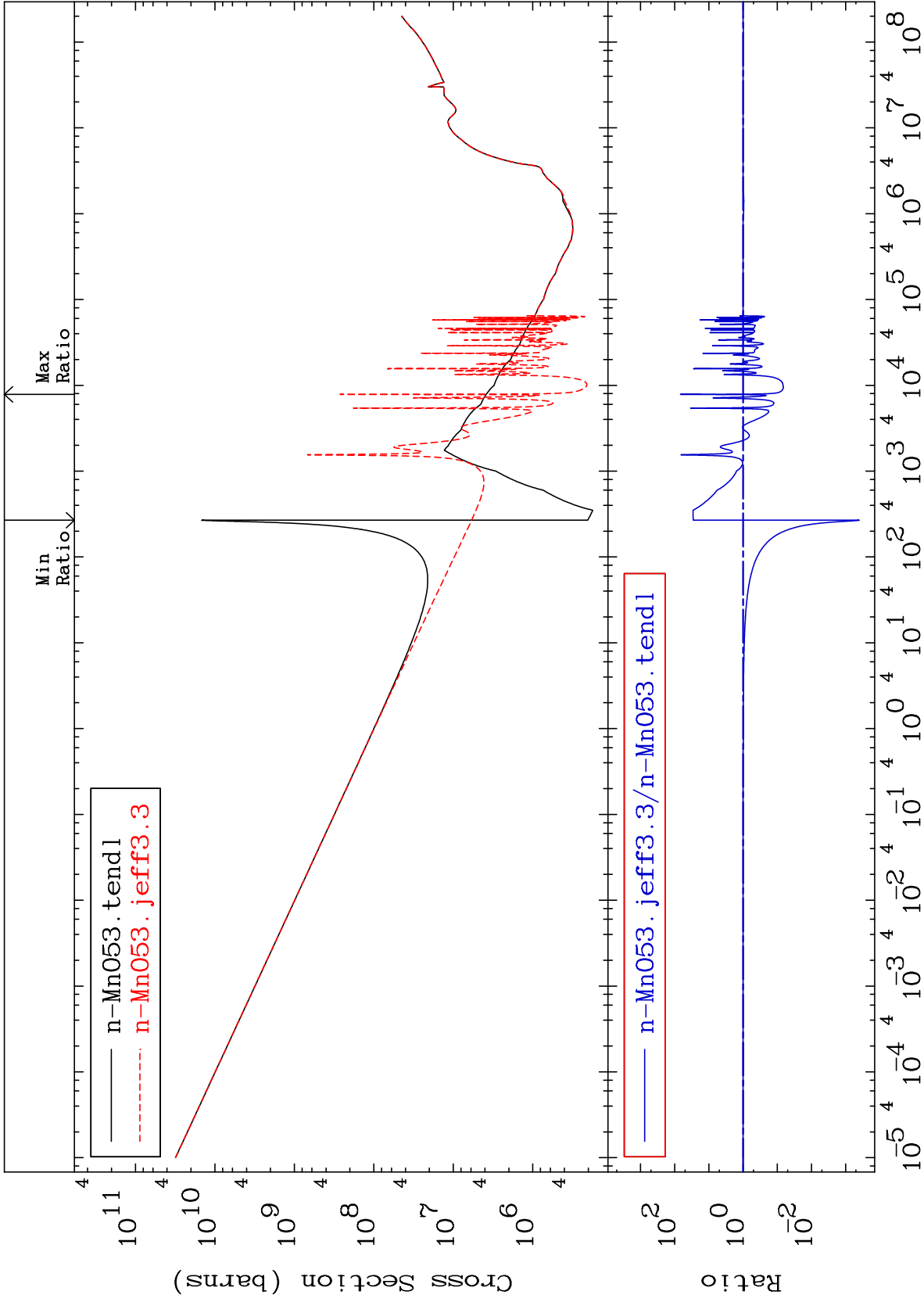


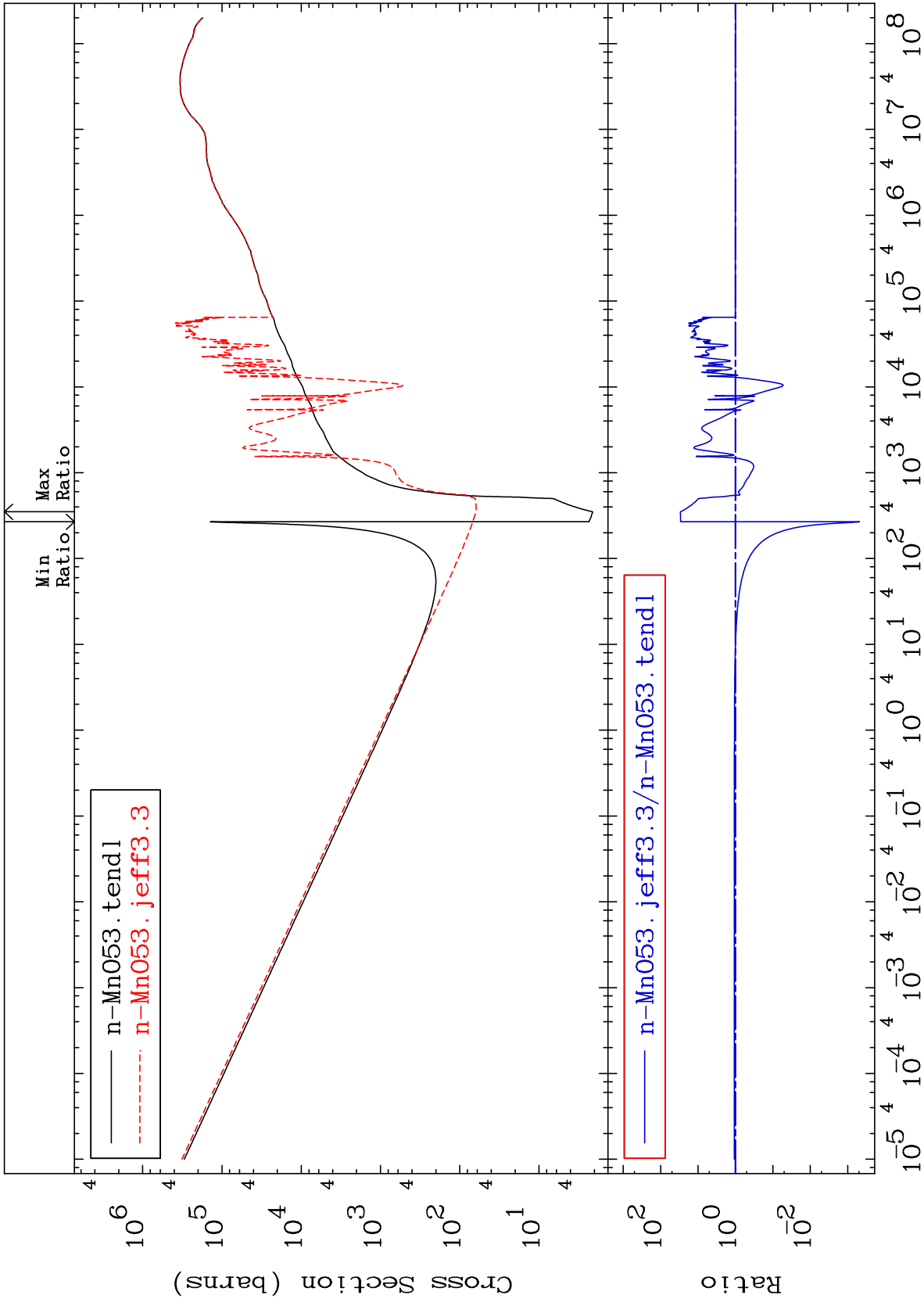


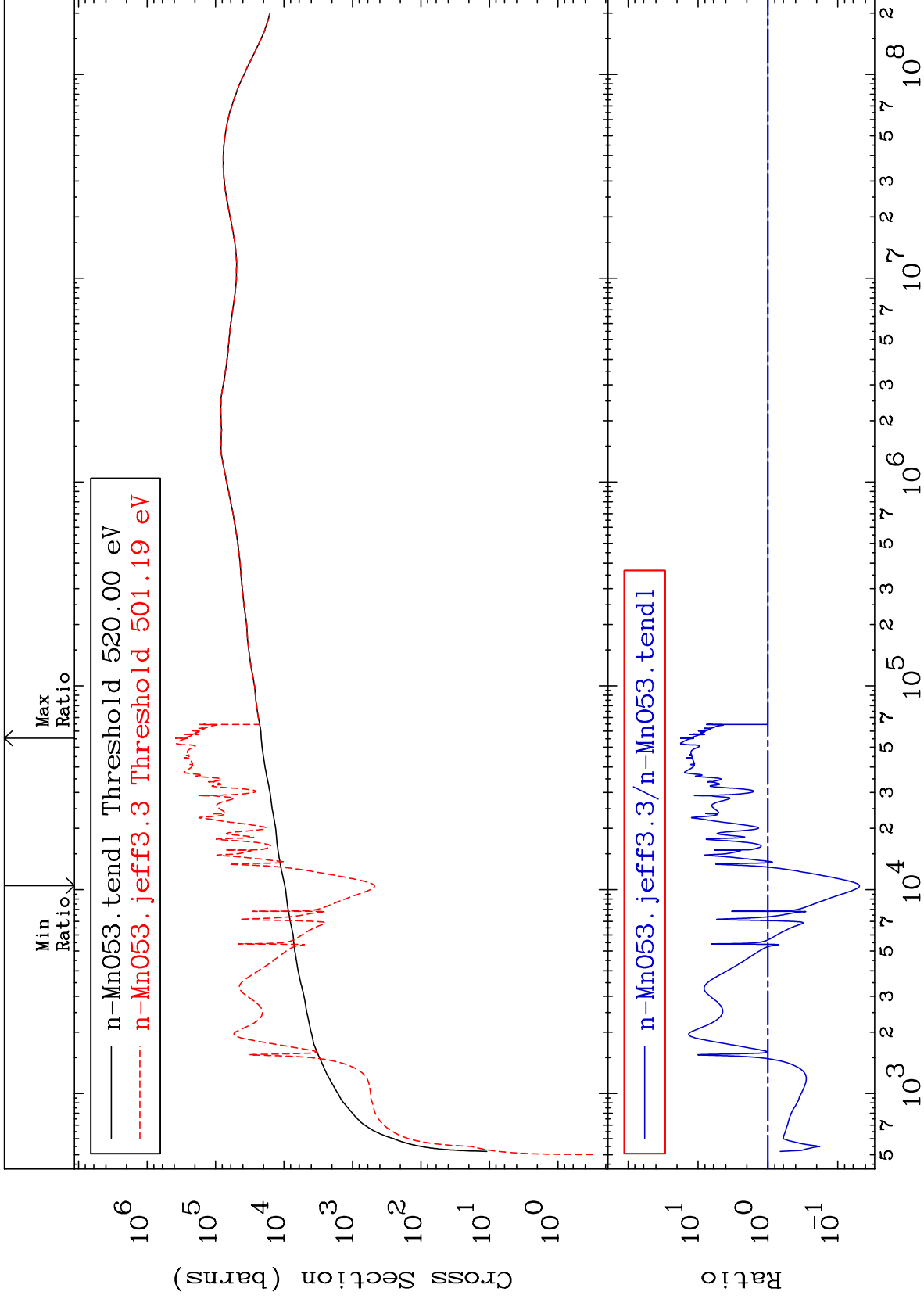






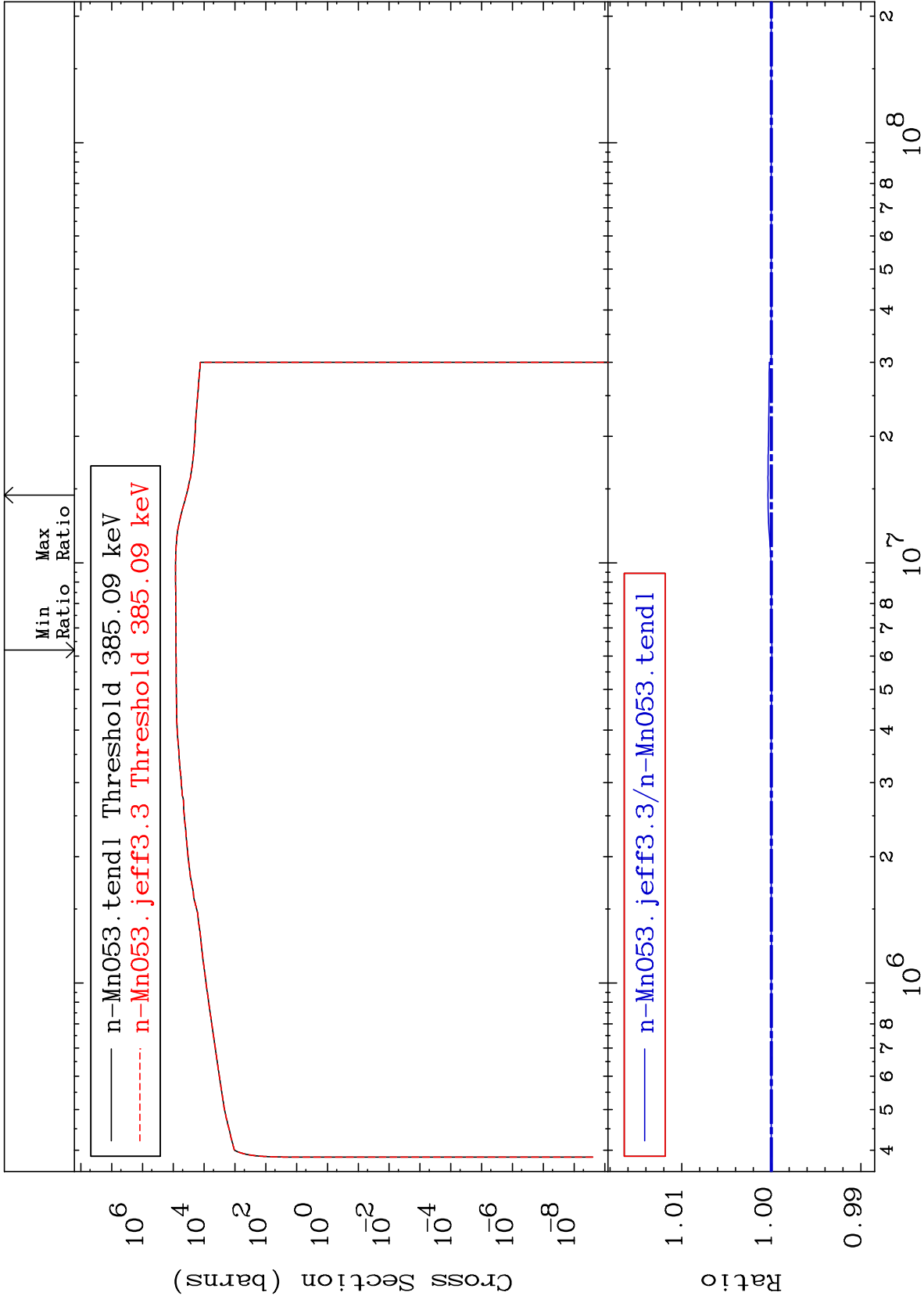


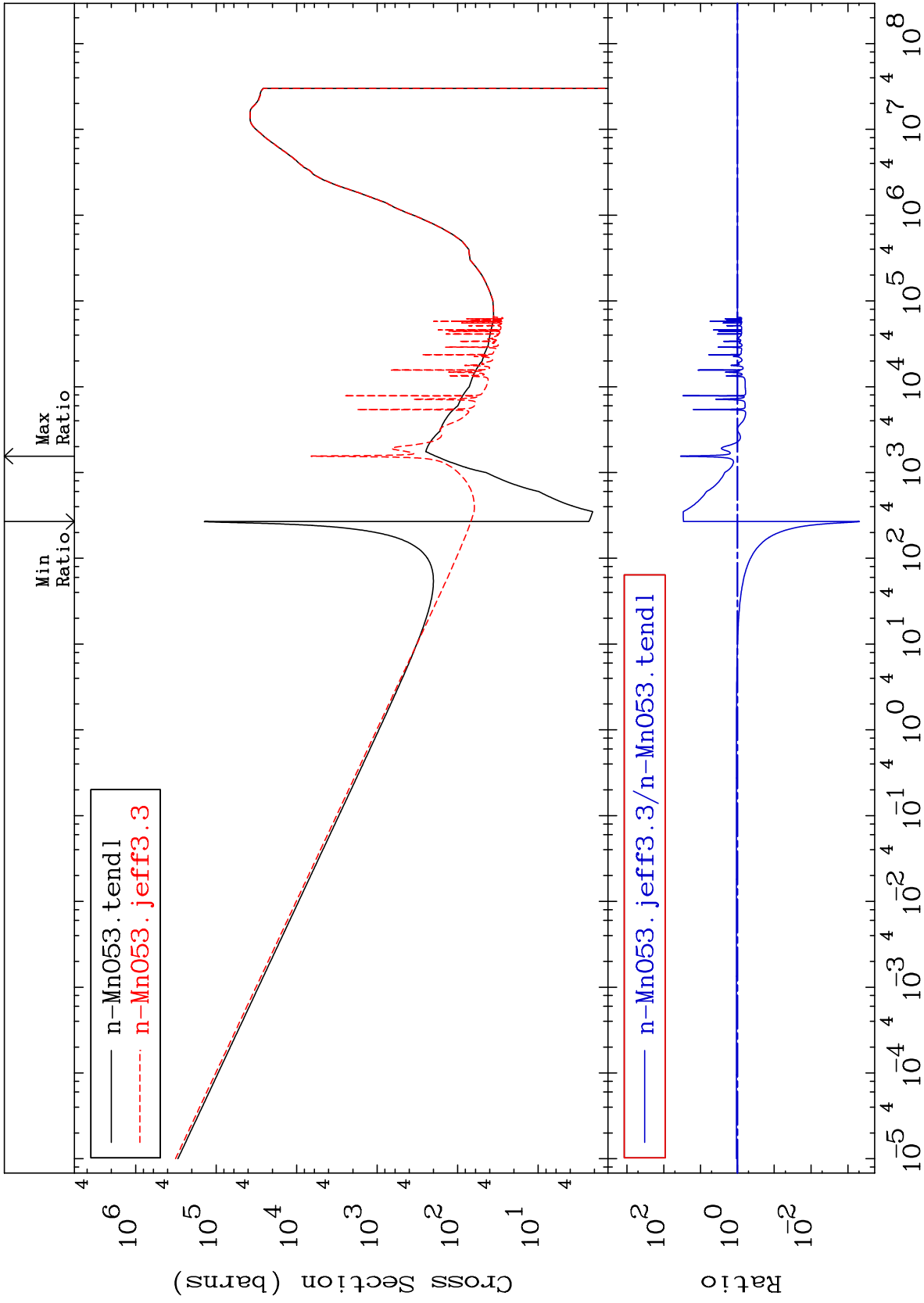




-0.007 To 0.038 %

Cross Section



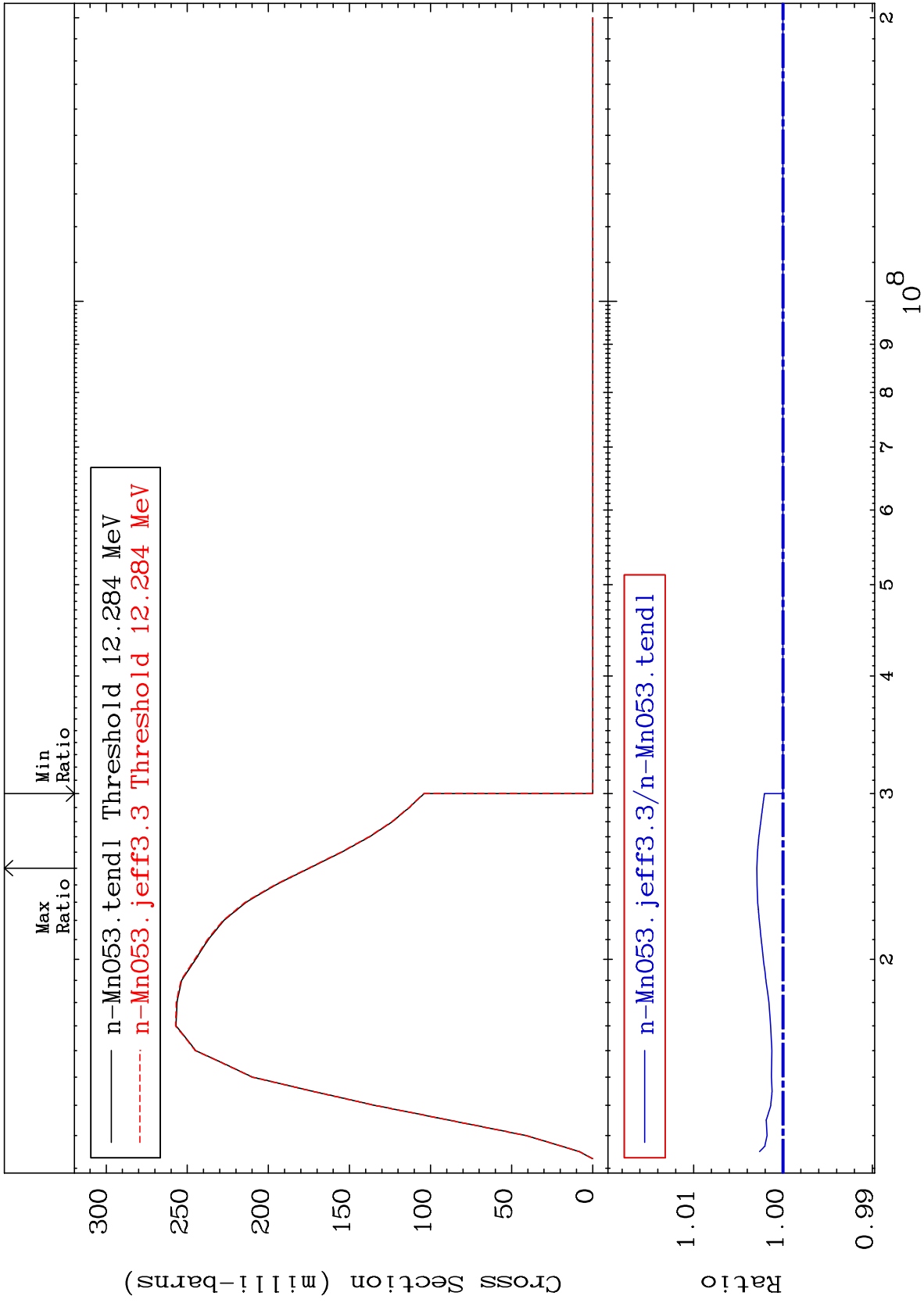


MAT 2519

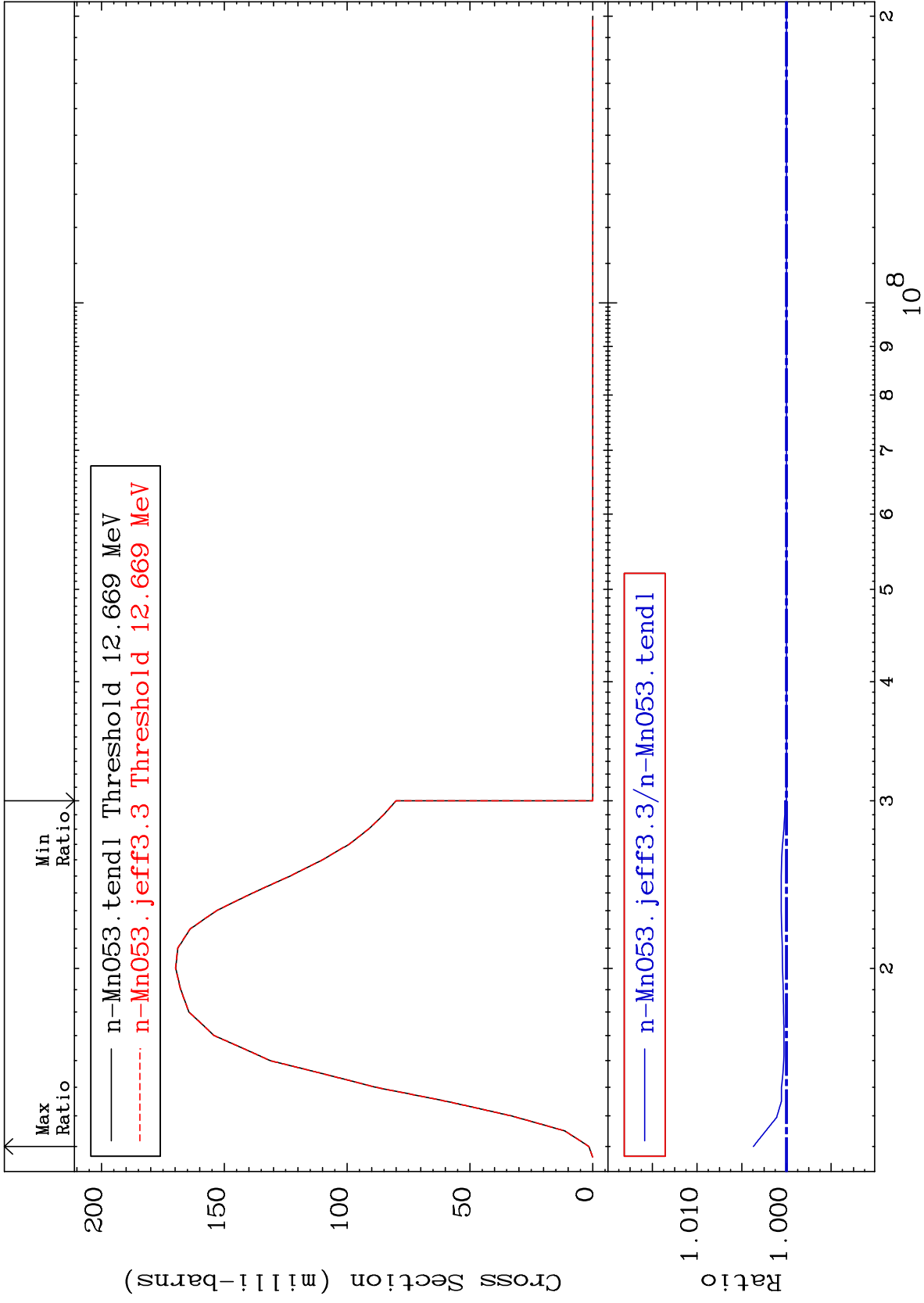
(n,2n):25-Mn-52g

25-Mn-53

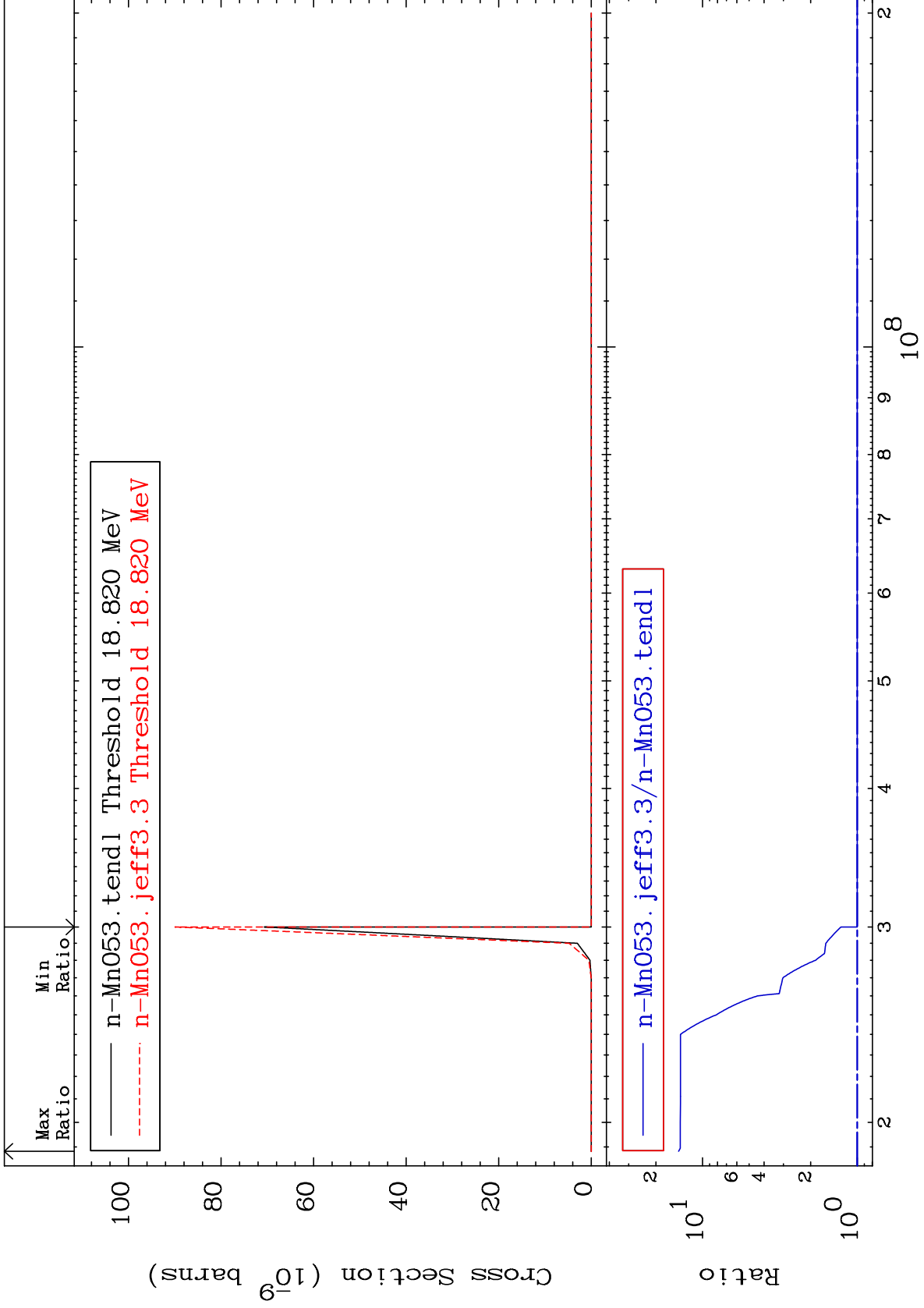
Radionuclide Production Cross Section 0.000 To 0.293 %



Radionuclide Production Cross Section 0.000 To 0.371 %



Radionuclide Production Cross Section 0.000 To 1326. %

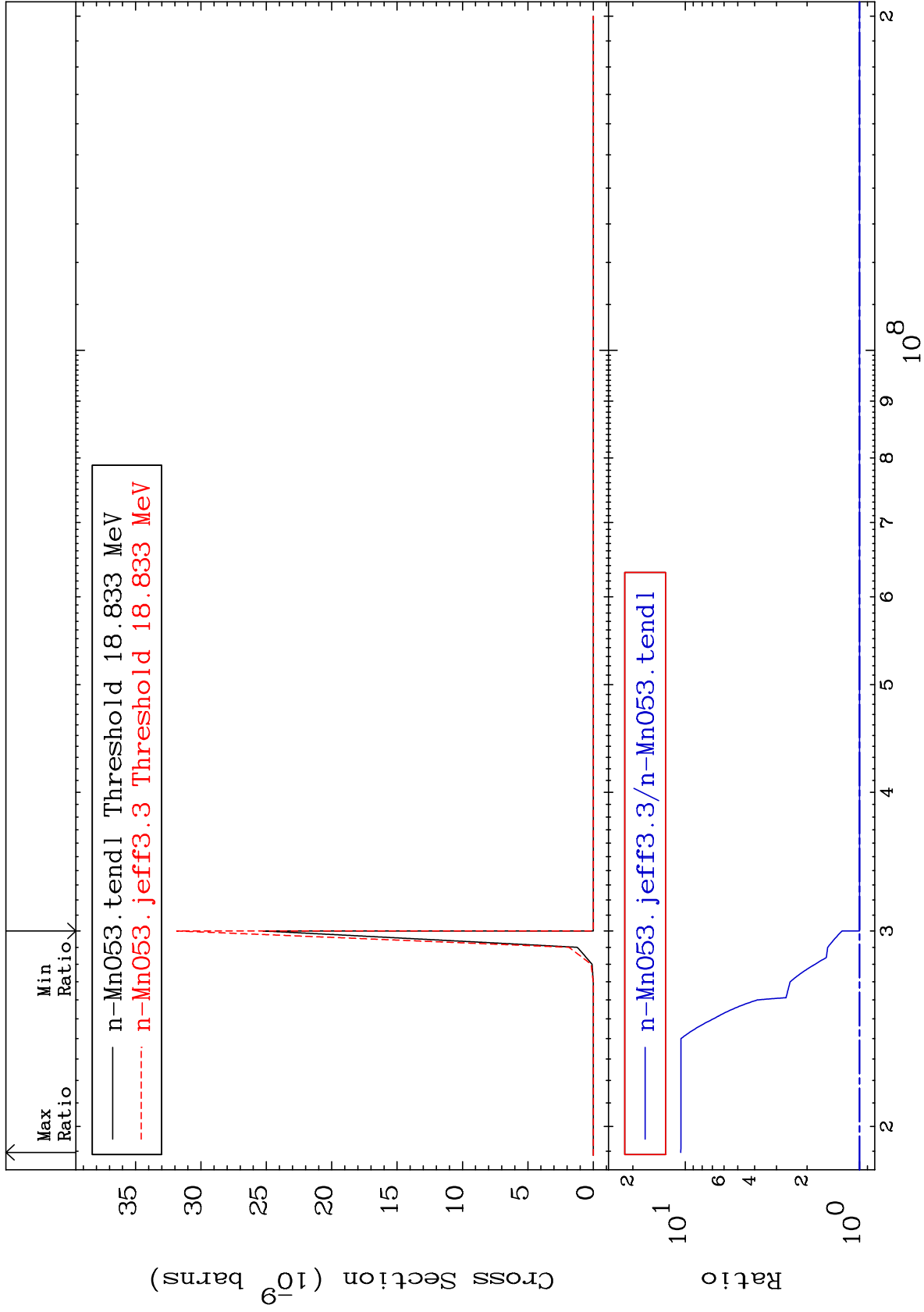


MAT 2519

(n,n') 2α:21-Sc-45m1

25-Mn-53

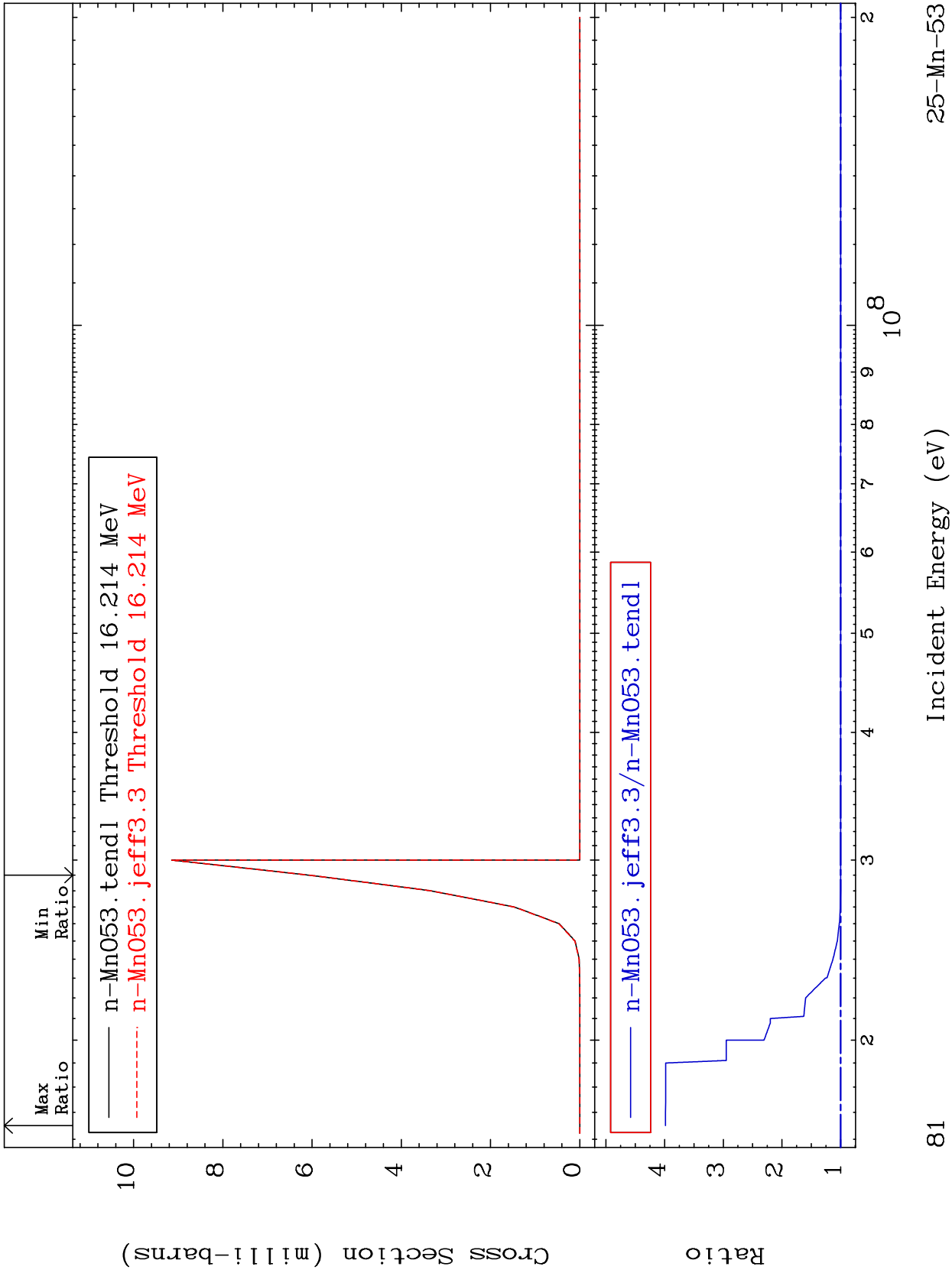
Radionuclide Production Cross Section 0.000 To 962.2 %



80

Incident Energy (eV)

25-Mn-53

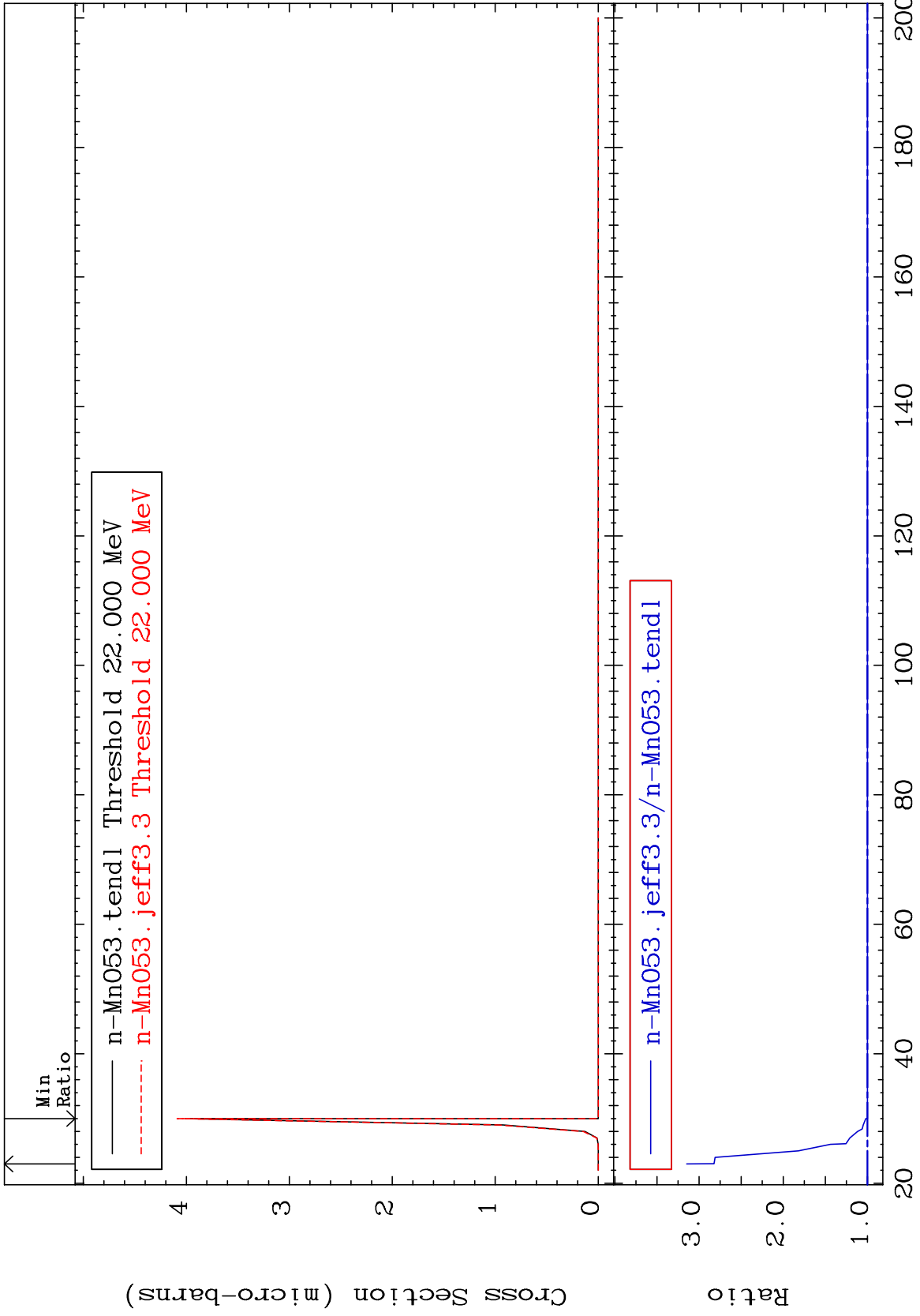


MAT 2519

(n, n') p α :22-Ti-48m14

25-Mn-53

Radionuclide Production Cross Section 0.000 To 214.7 %



82

Incident Energy (MeV)

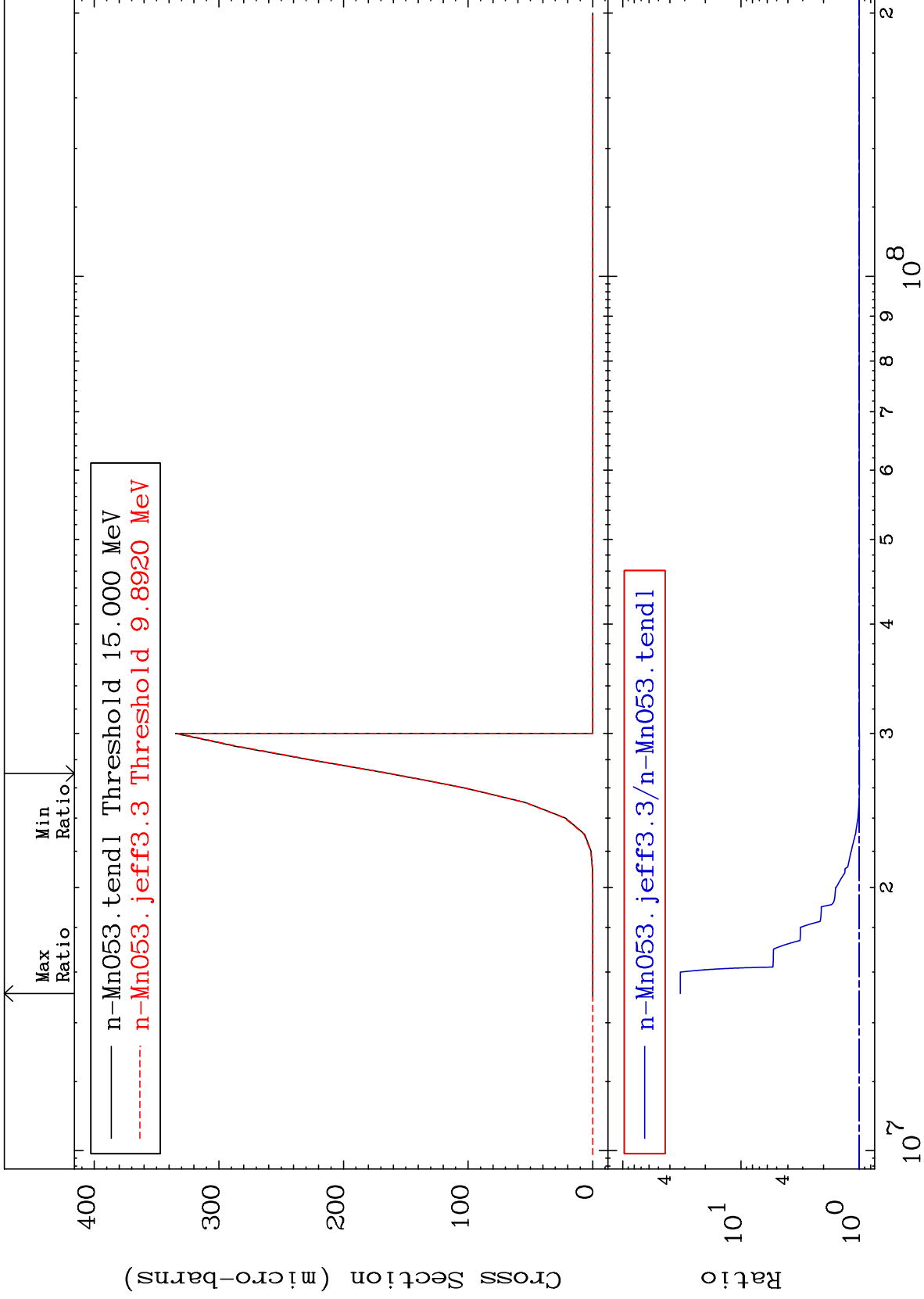
25-Mn-53

MAT 2519

(n,2α):21-Sc-46g

25-Mn-53

Radionuclide Production Cross Section -0.580 To 3159. %

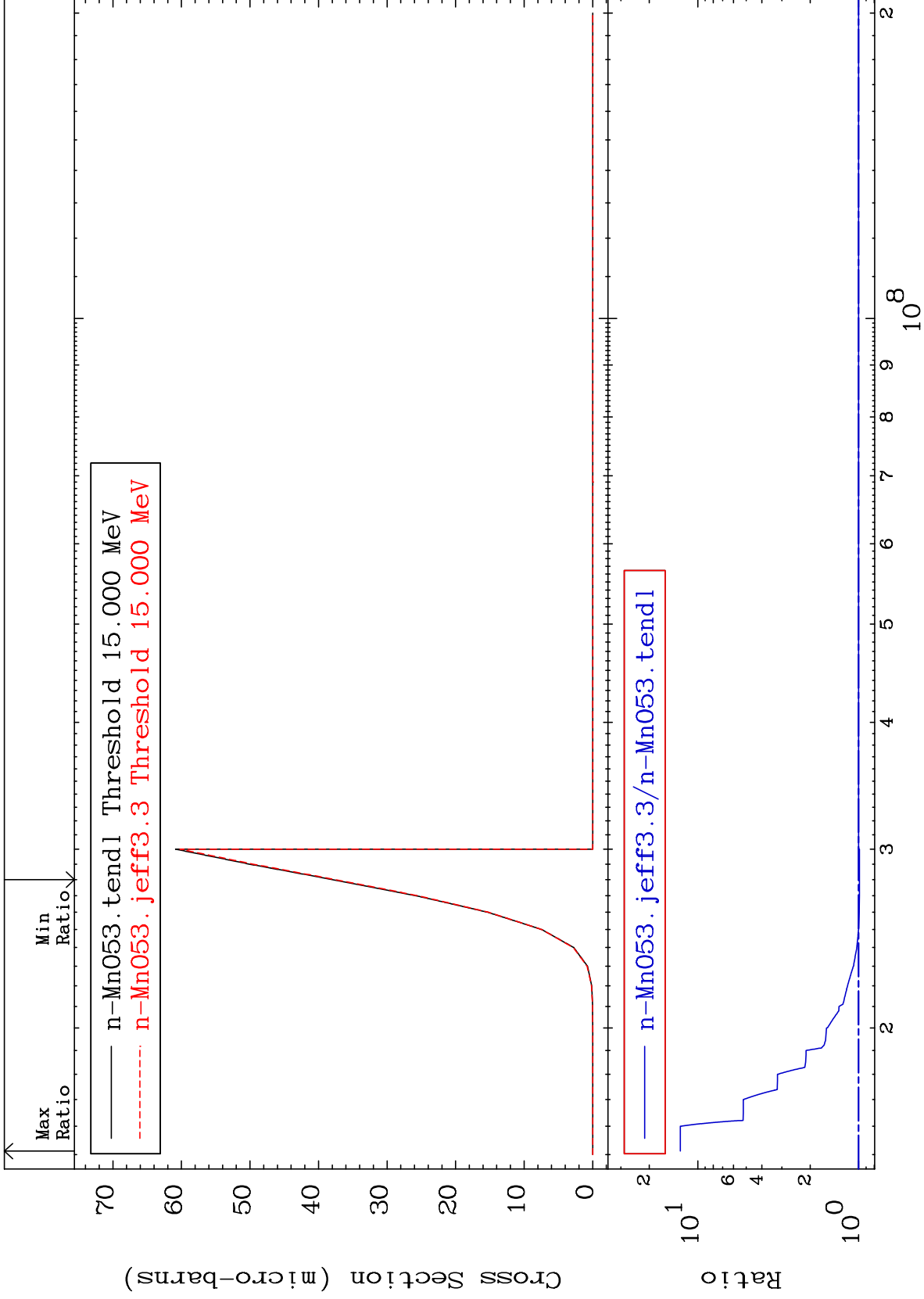


83

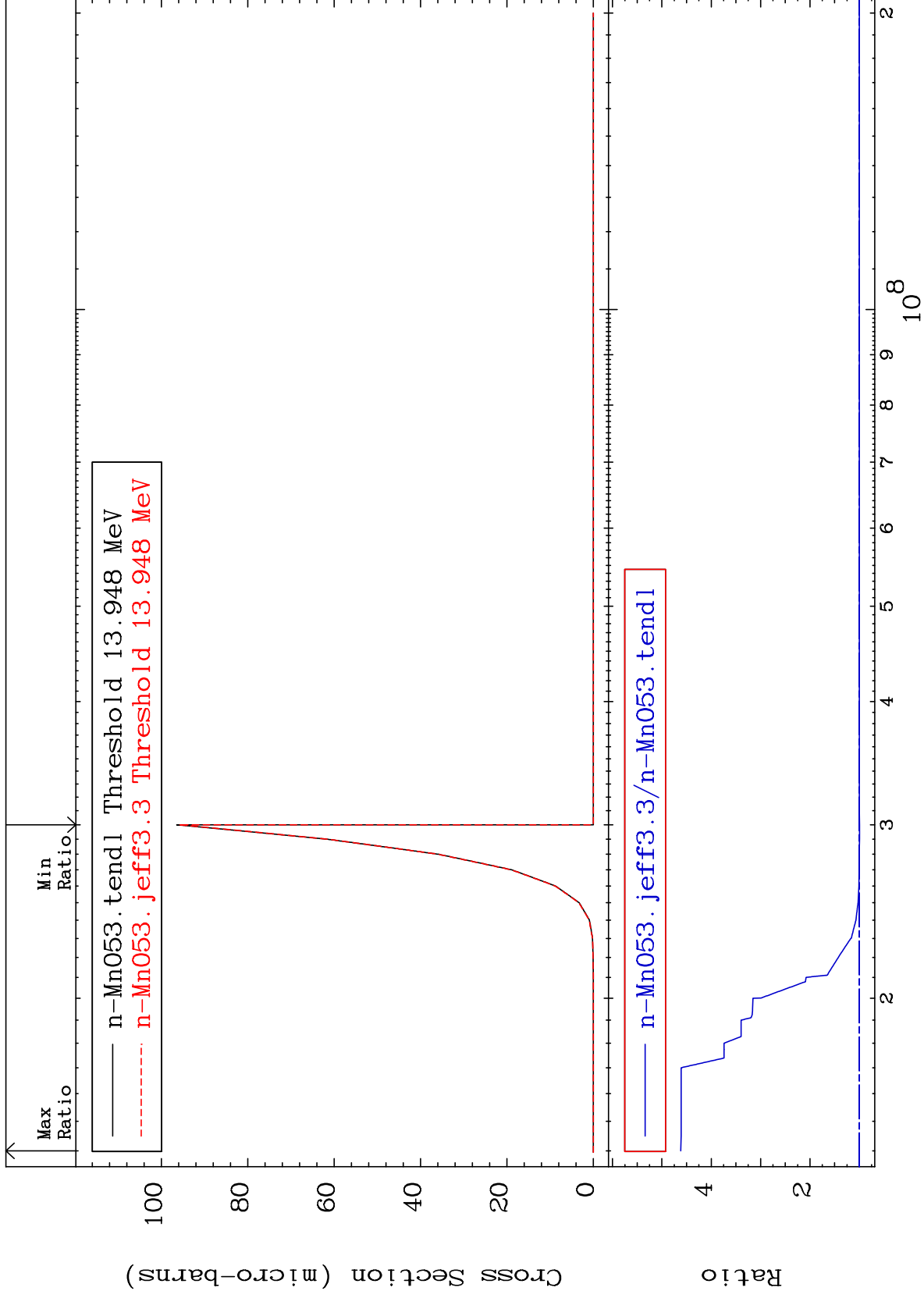
Incident Energy (eV)

25-Mn-53

Radionuclide Production Cross Section -1.095 To 1183. %



Radionuclide Production Cross Section -0.435 To 361.7 %



Radionuclide Production Cross Section -0.5777 To 211.6 %

