

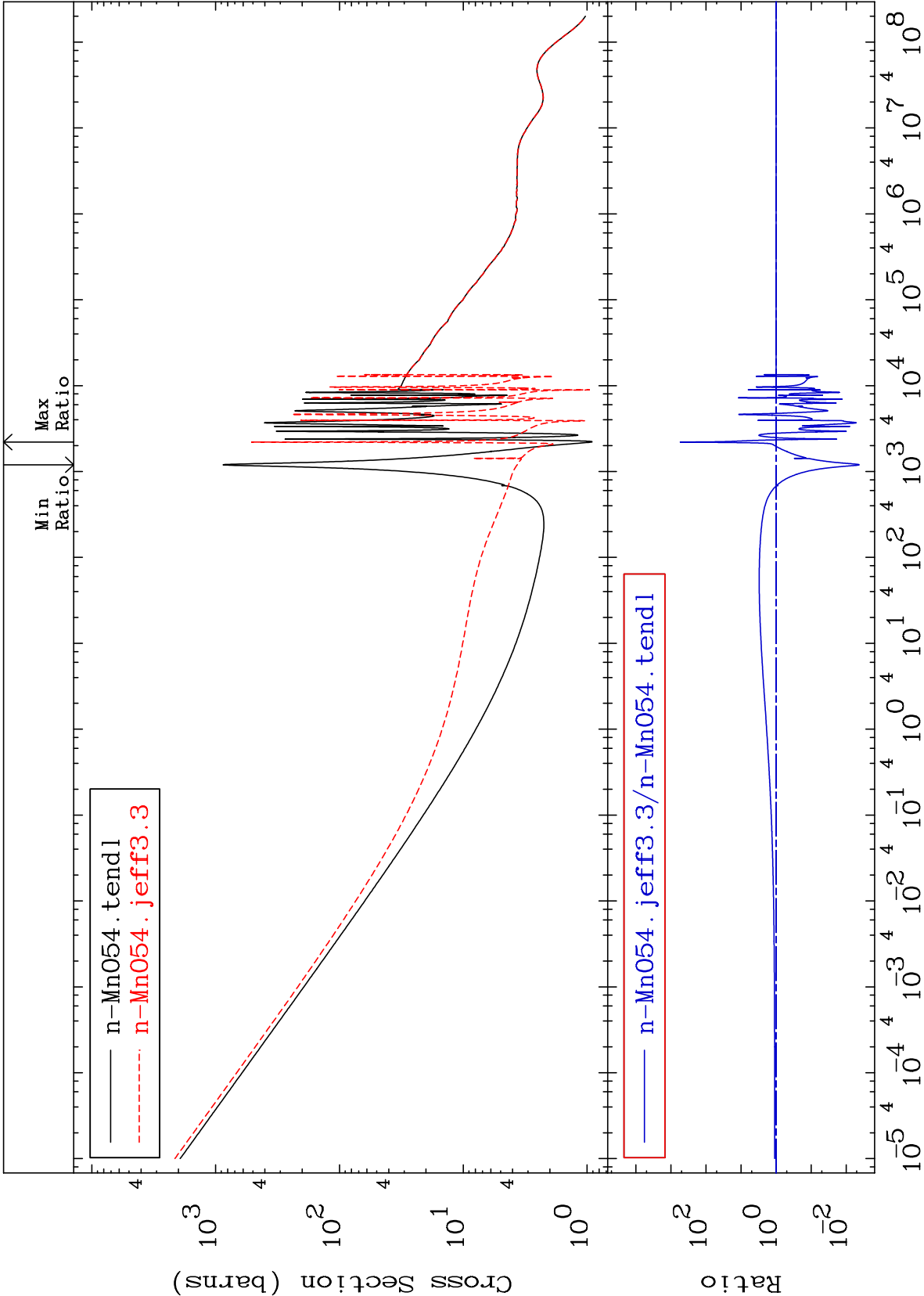
MAT 2522

Total

²⁵Mn-54

Cross Section

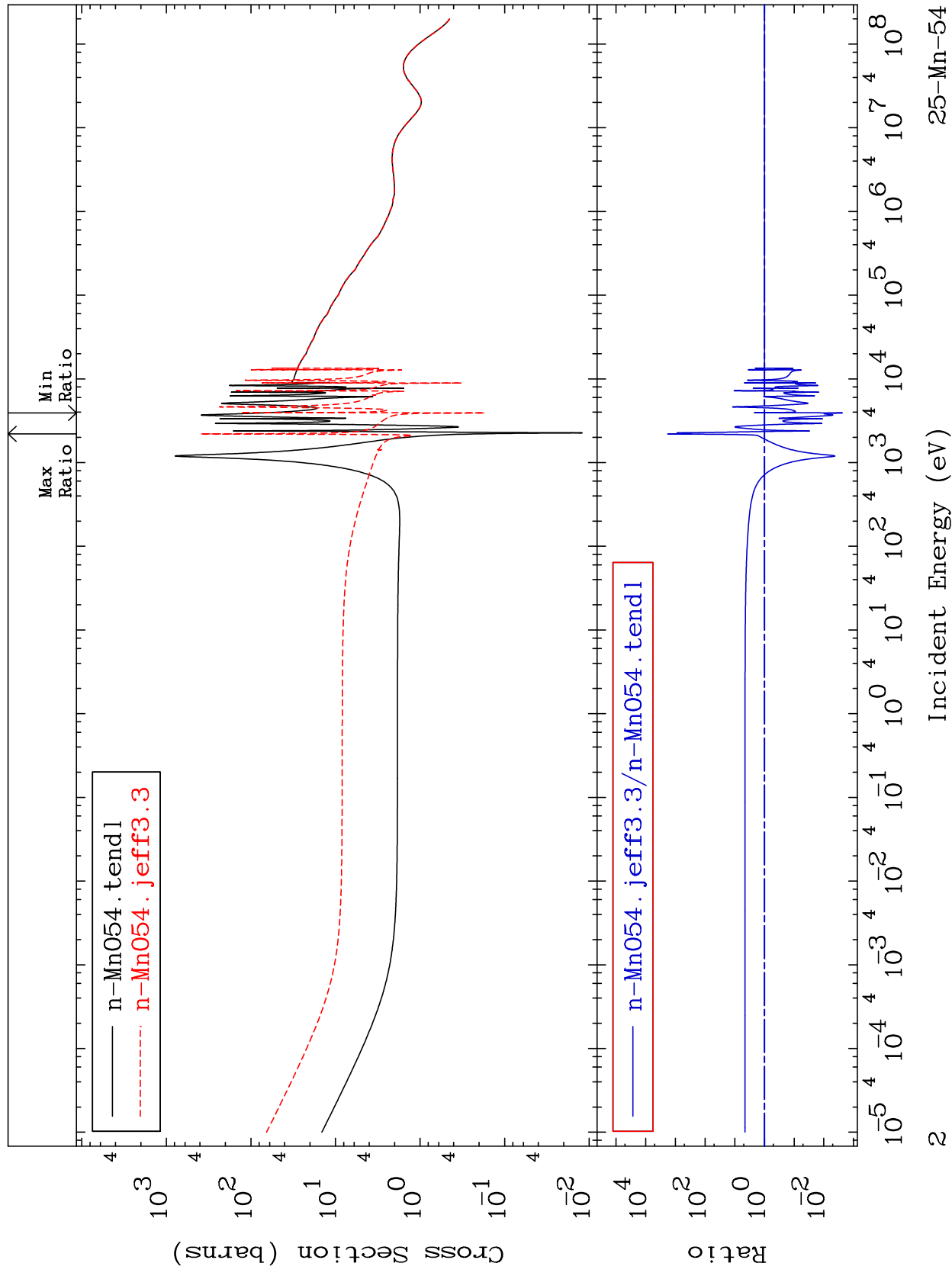
-99.58 To 9999. %

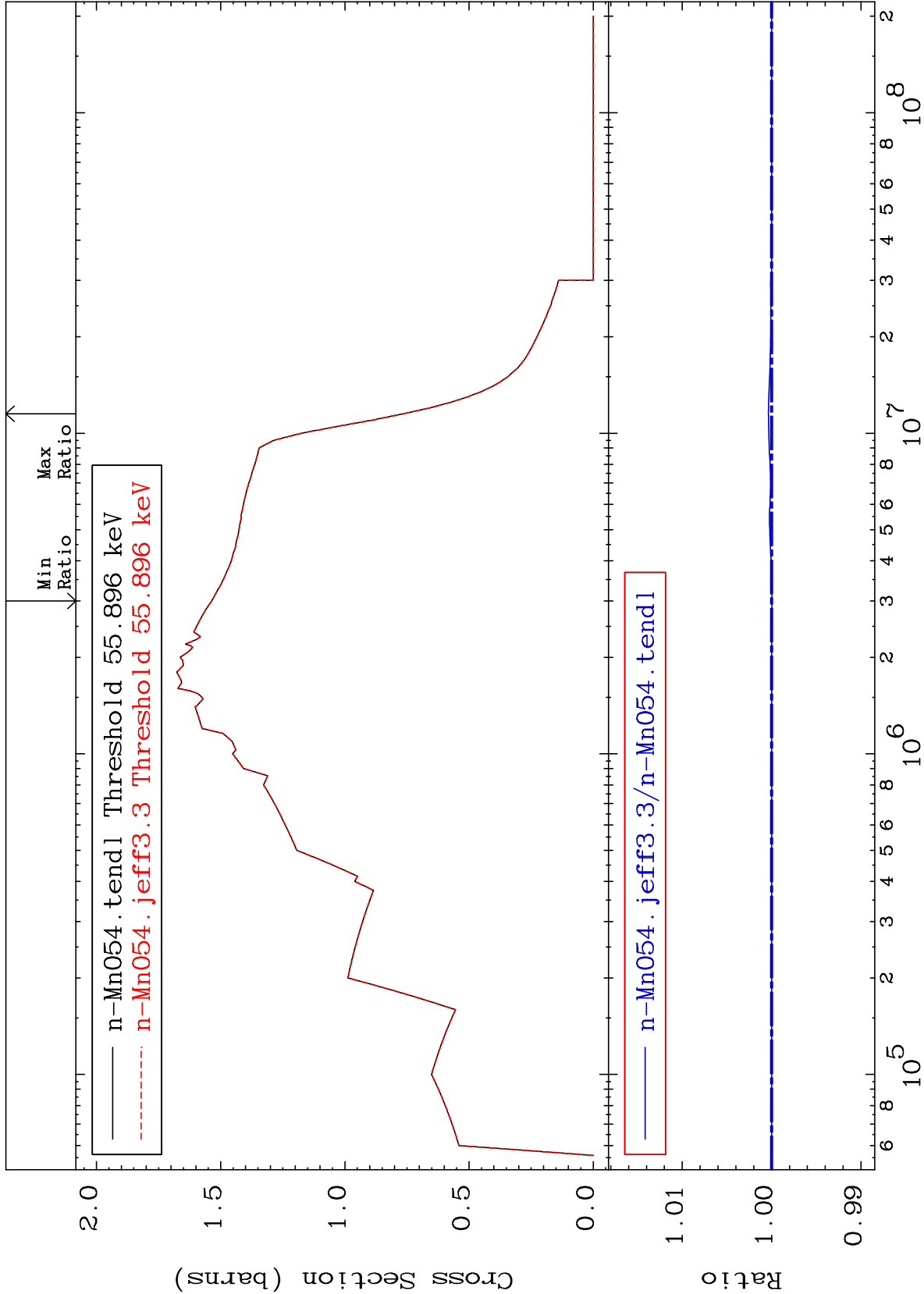


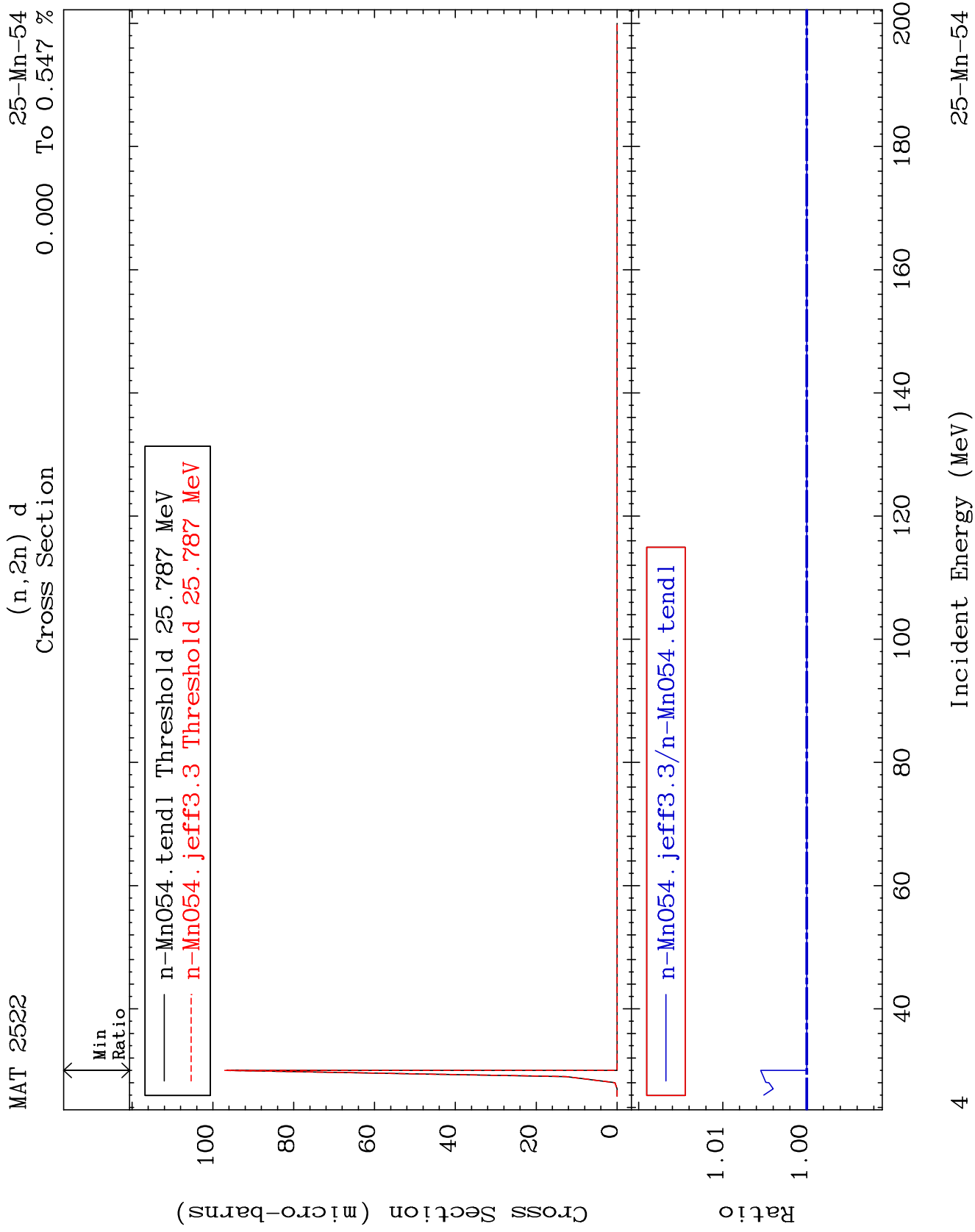
Incident Energy (eV)

²⁵Mn-54

Elastic
Cross Section

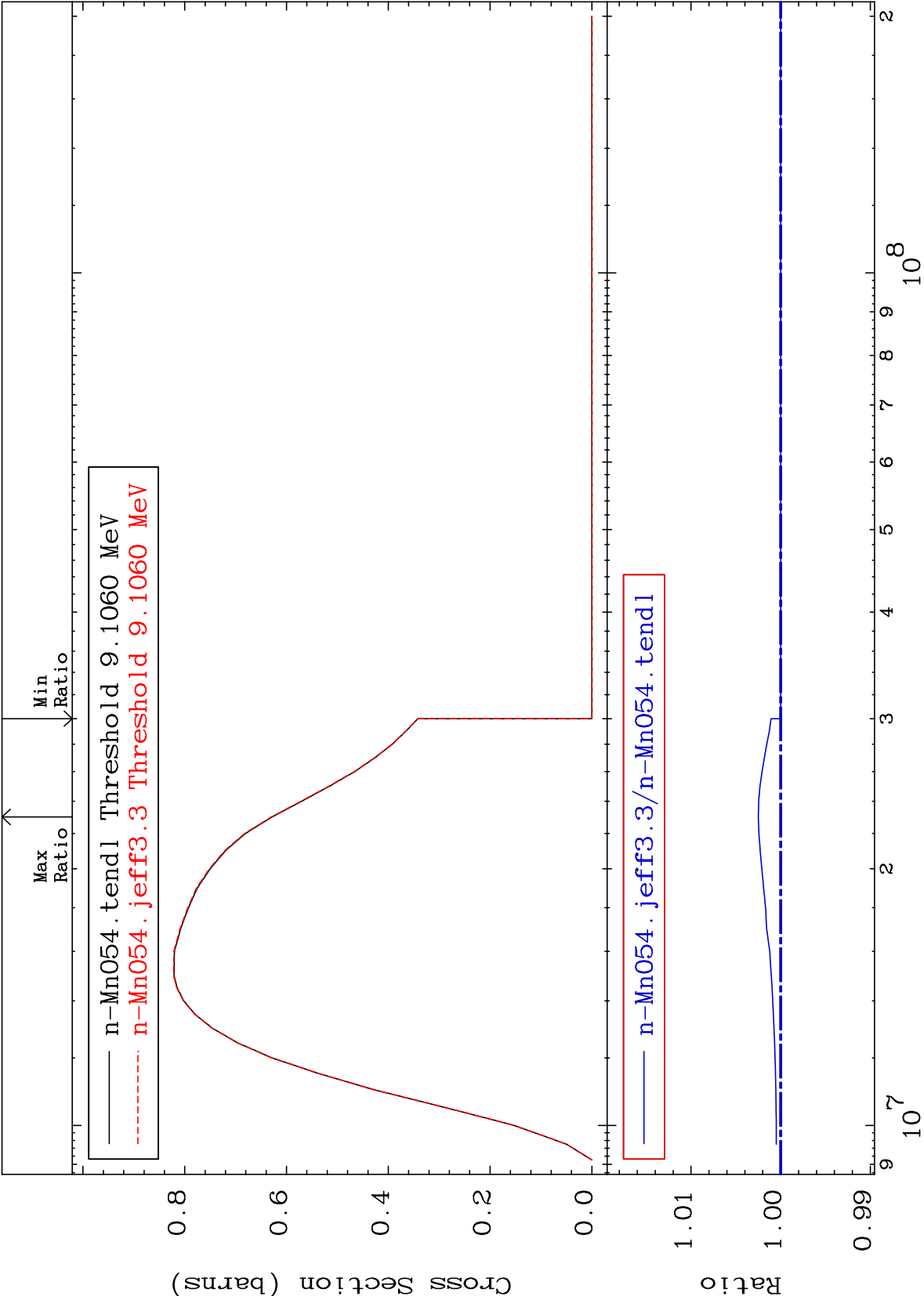




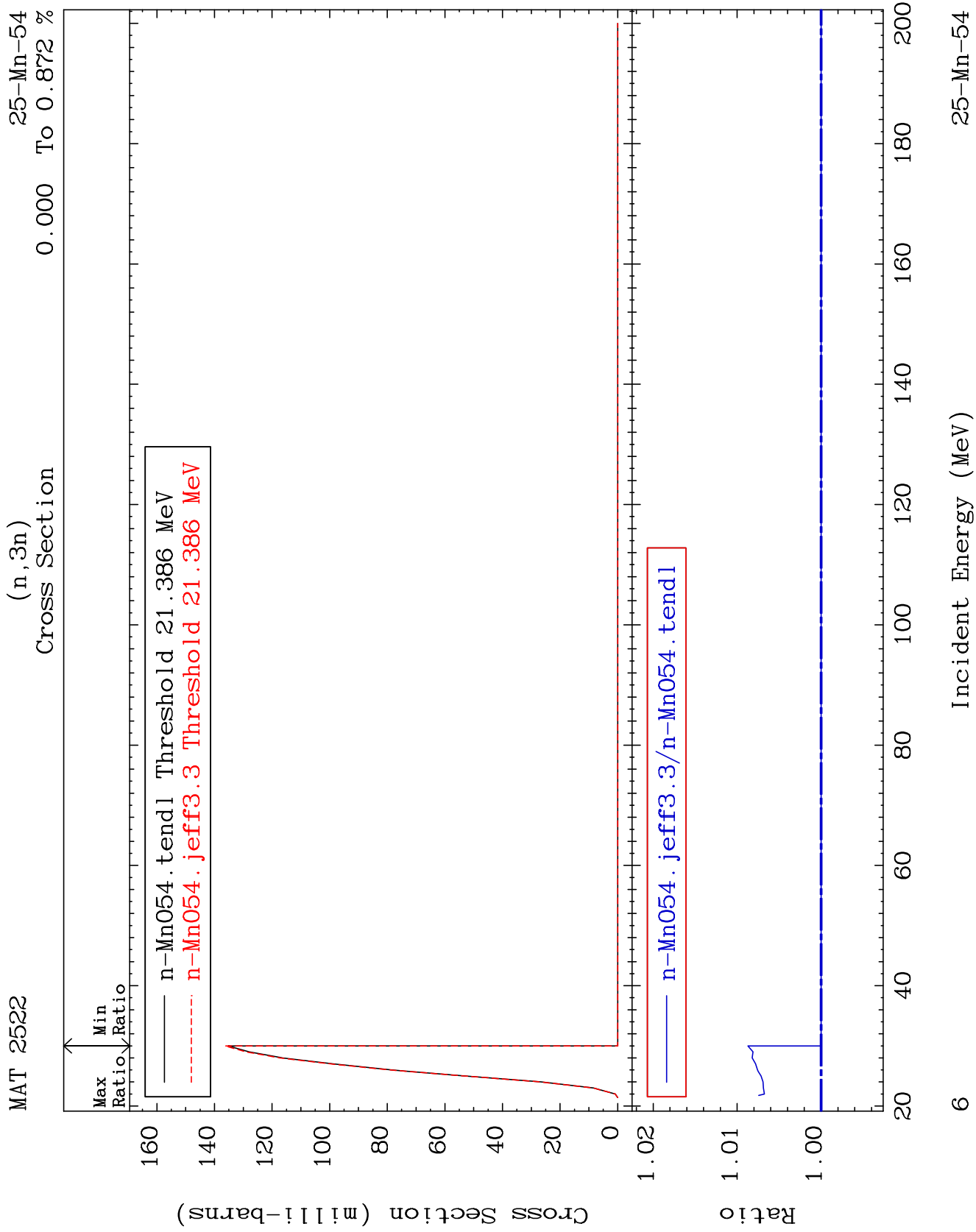


MAT 2522

(n,2n) Cross Section 25-Mn-54 To 0.250 %



25-Mn-54

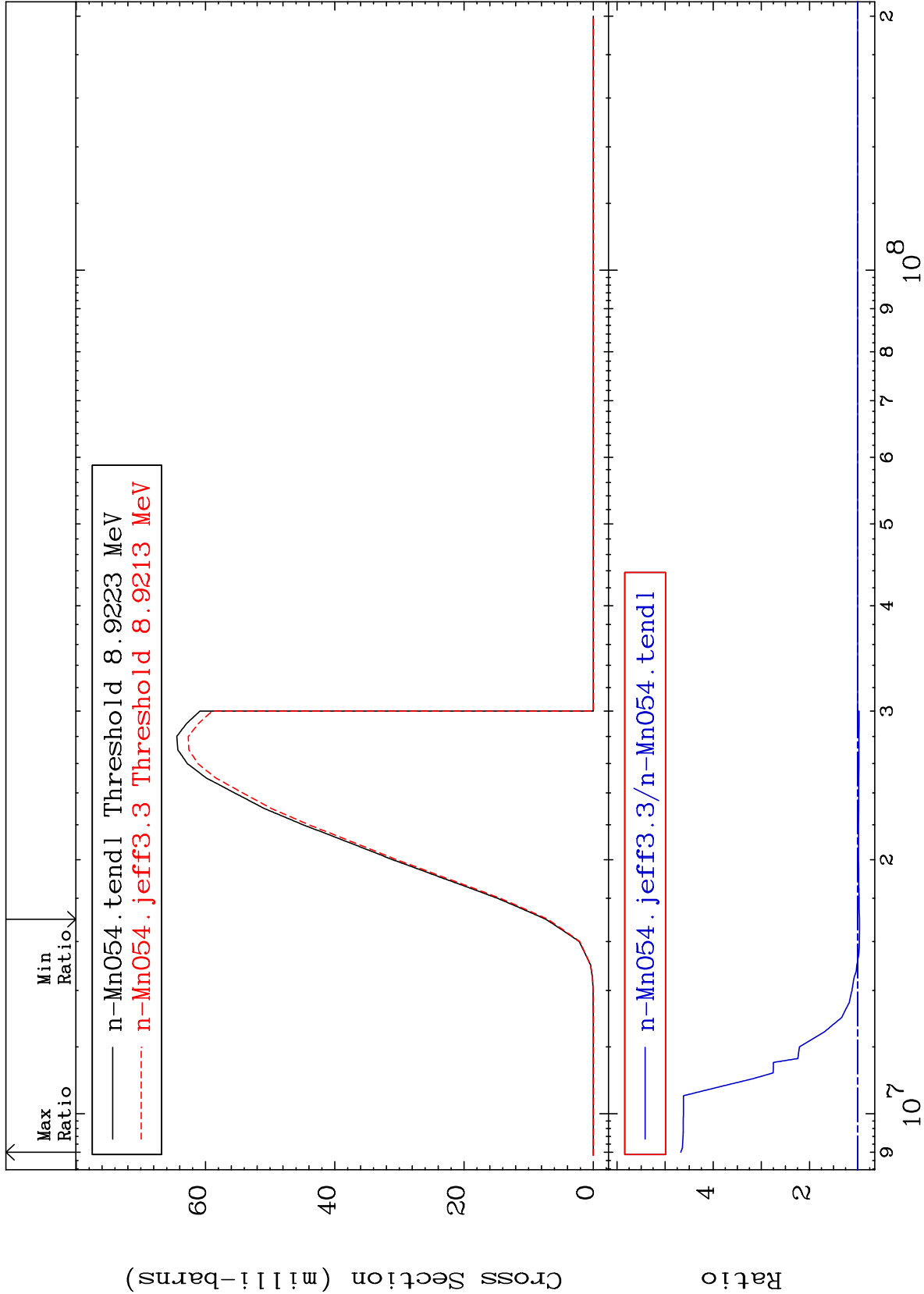


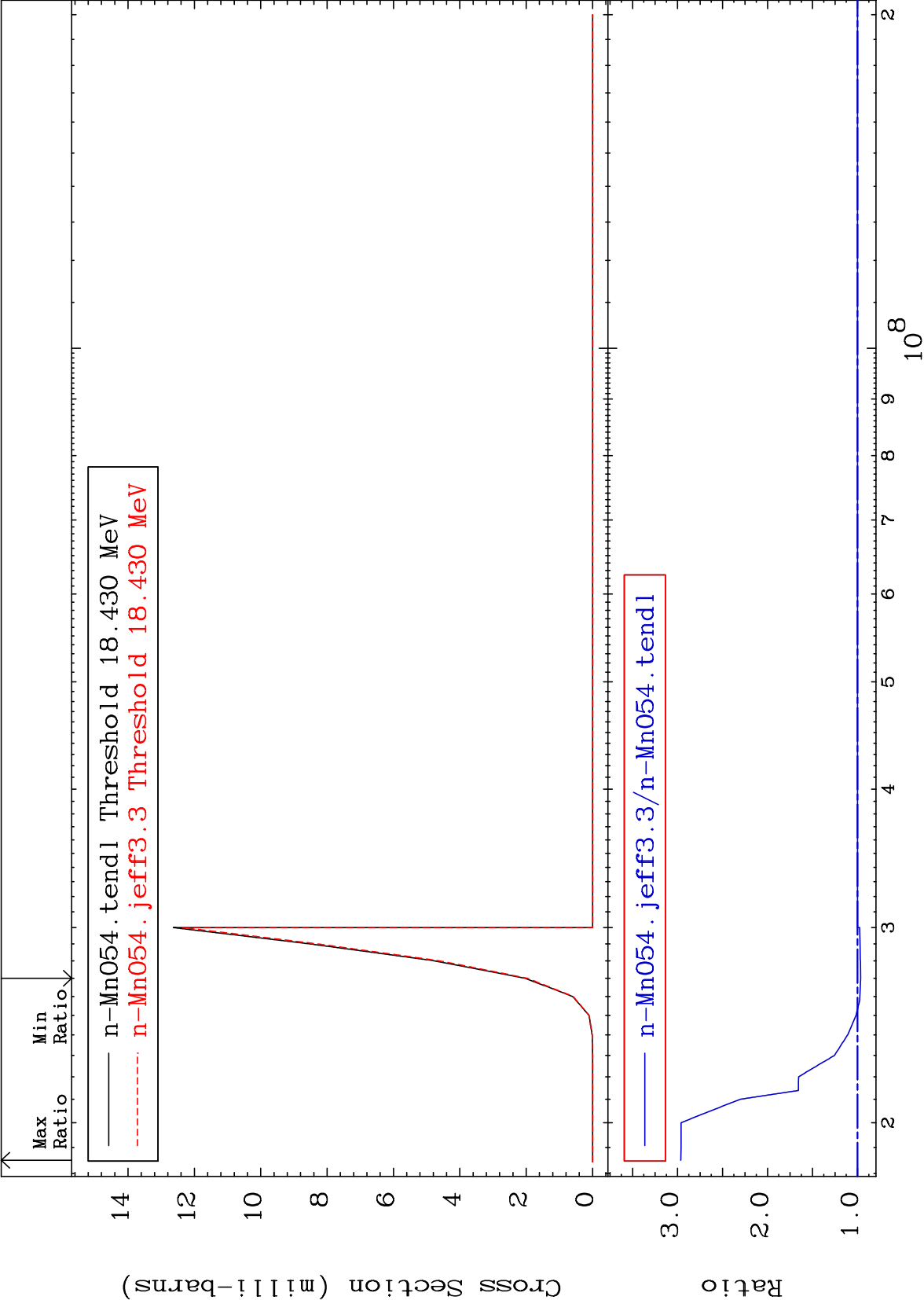
MAT 2522

$^{25}\text{Mn-54}$

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

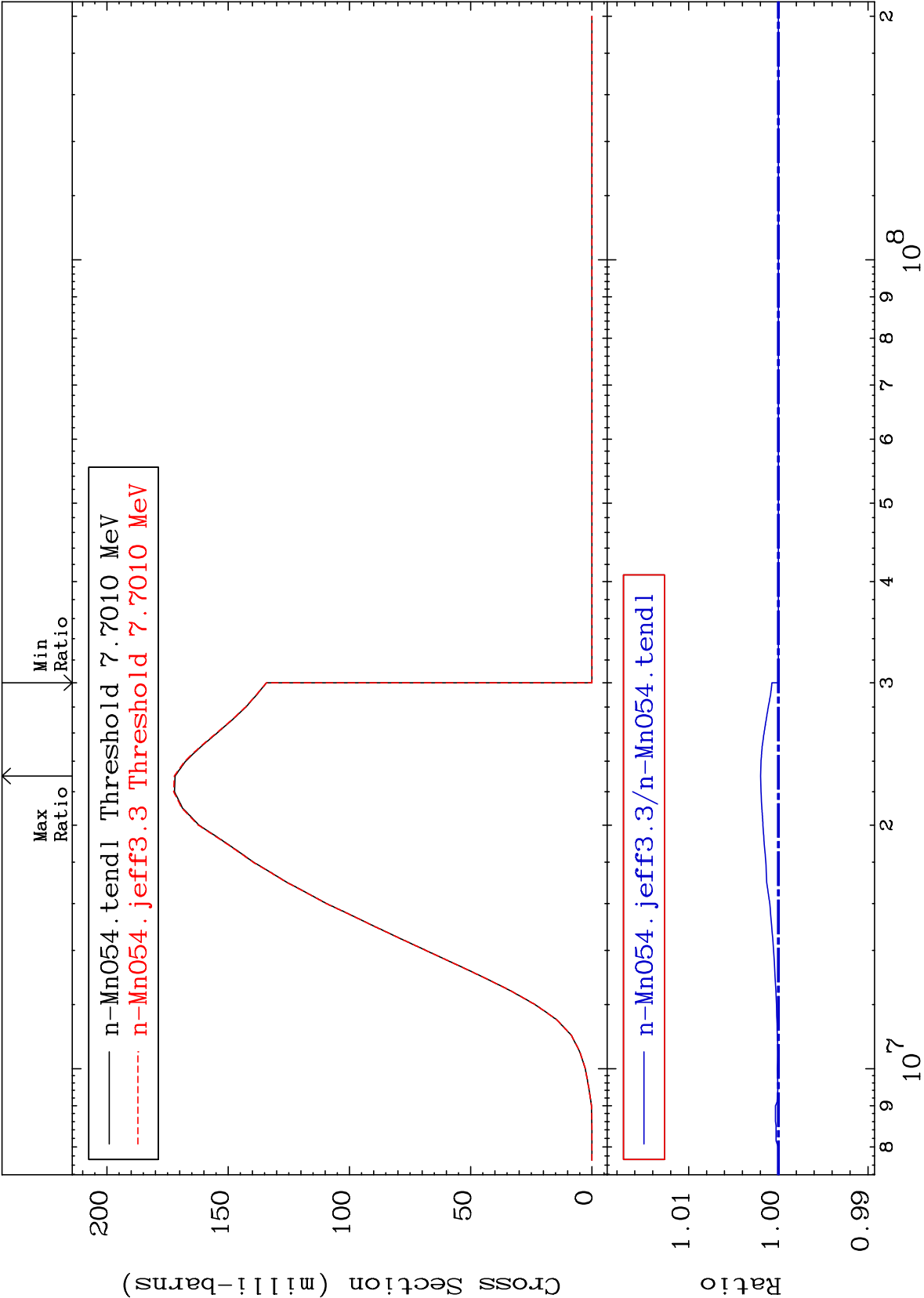
-4.005 To 367.5 %





MAT 2522

(n,n') p
Cross Section
0.000 To 0.197 %
25-Mn-54



MAT 2522

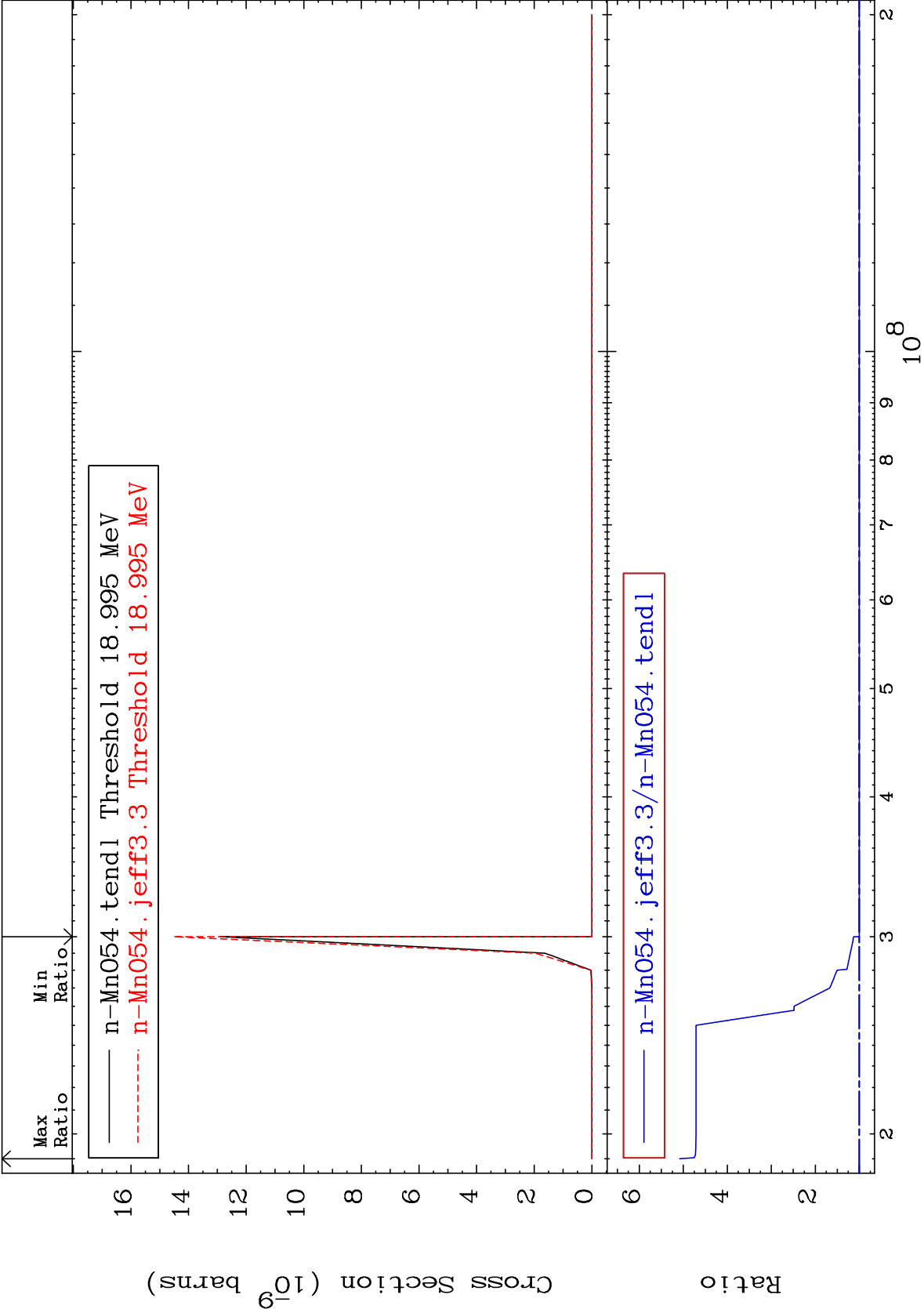
(n,n') 2α

25-Mn-54

Cross Section

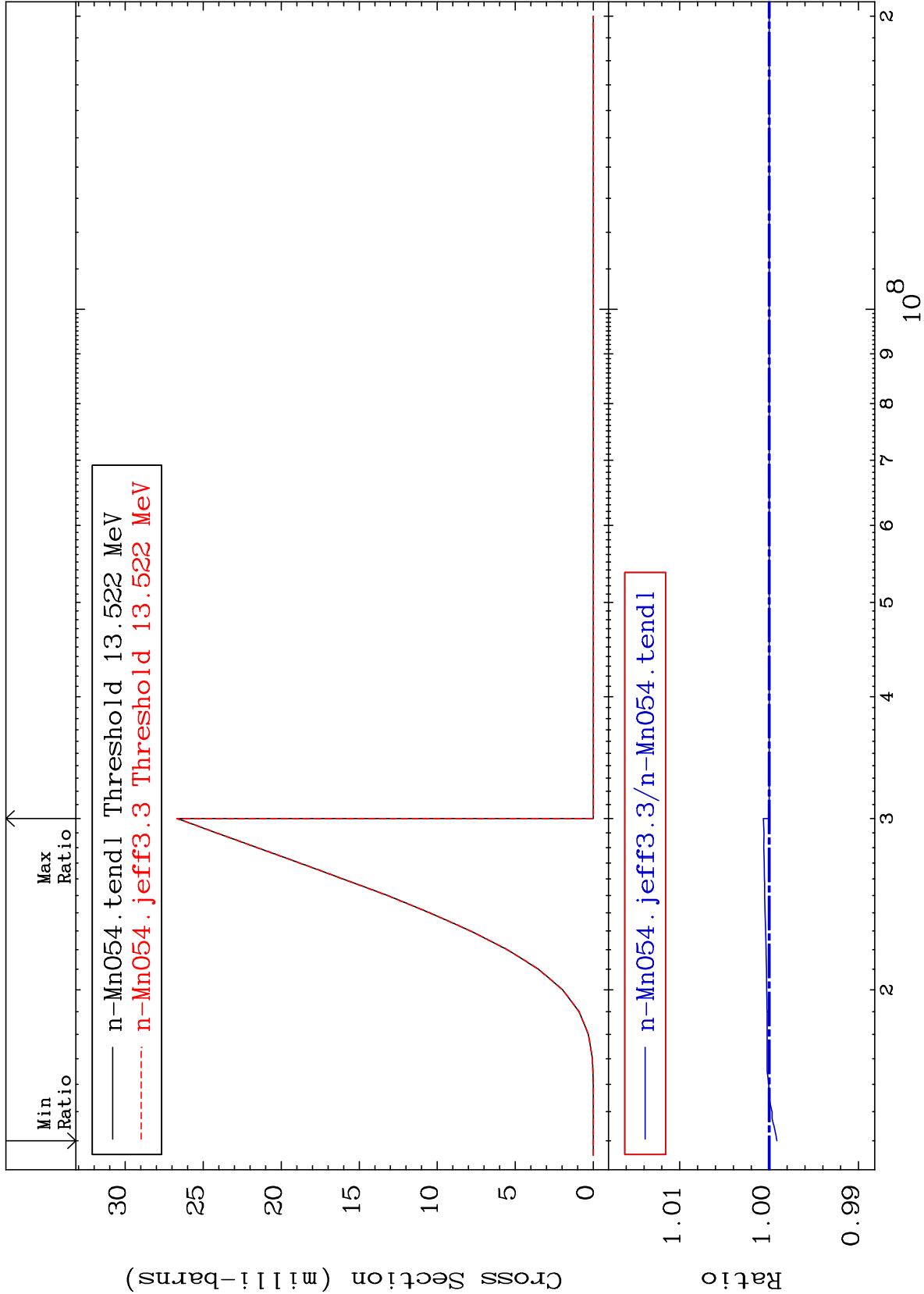
0.000

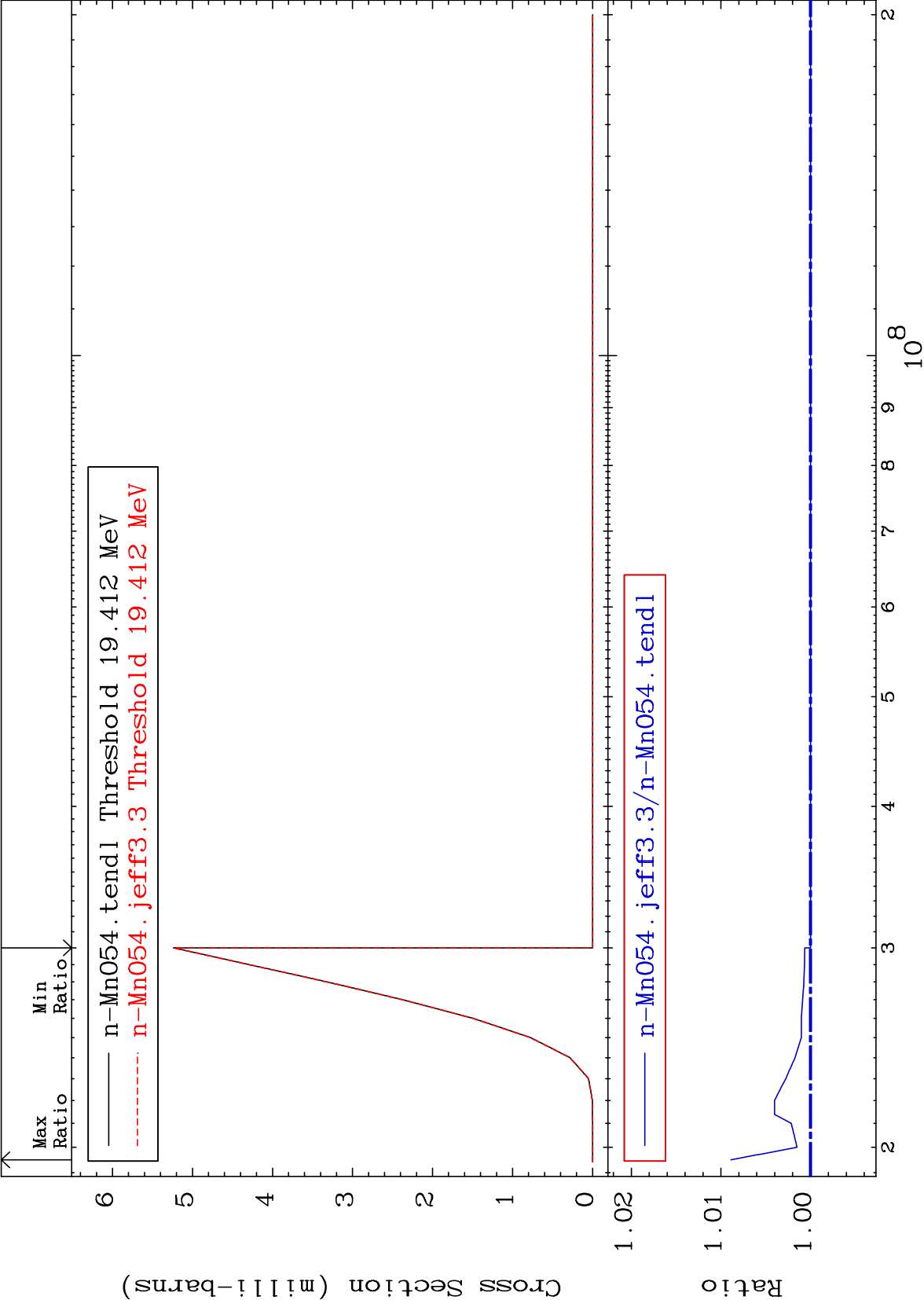
To 408.1 %

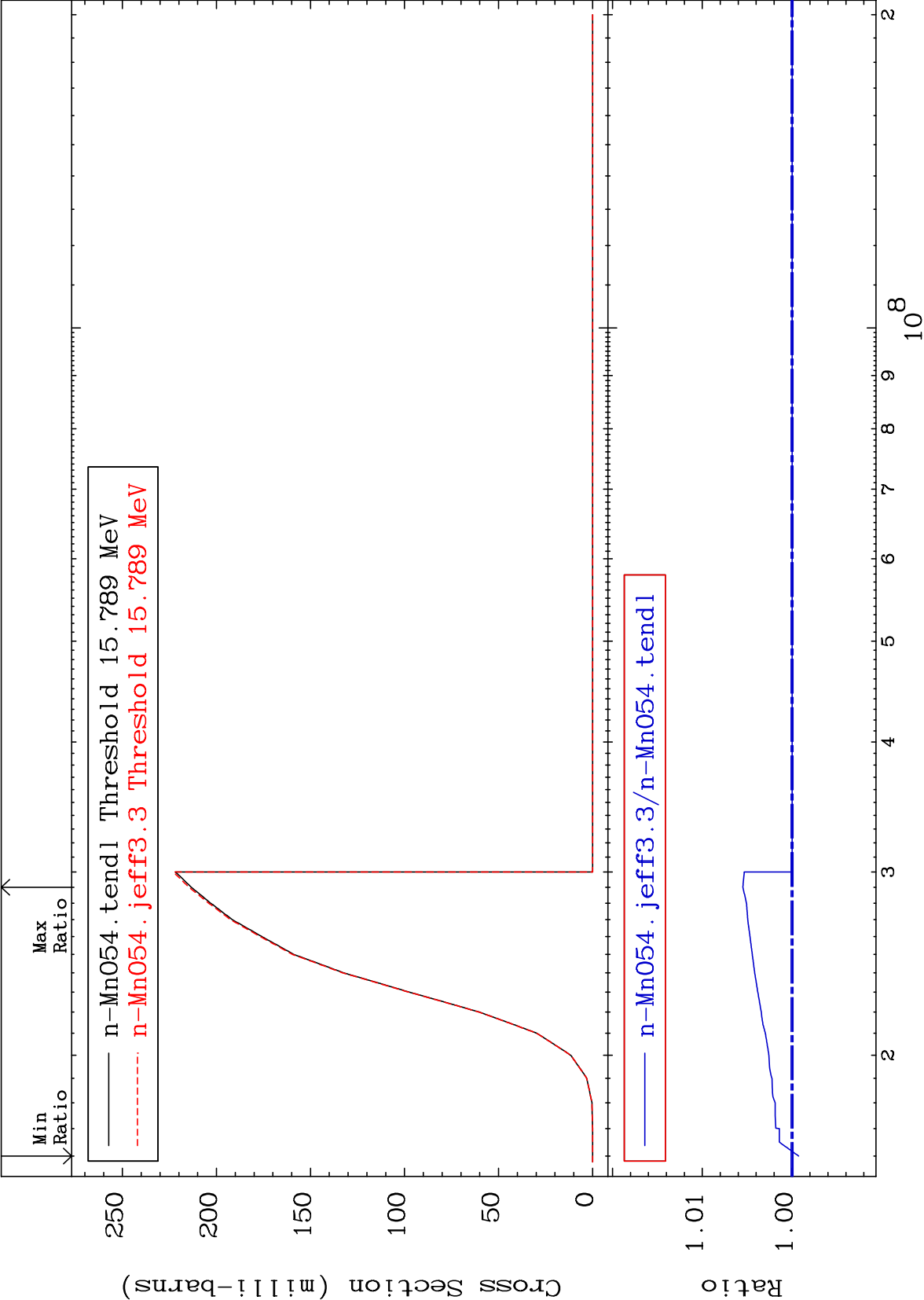


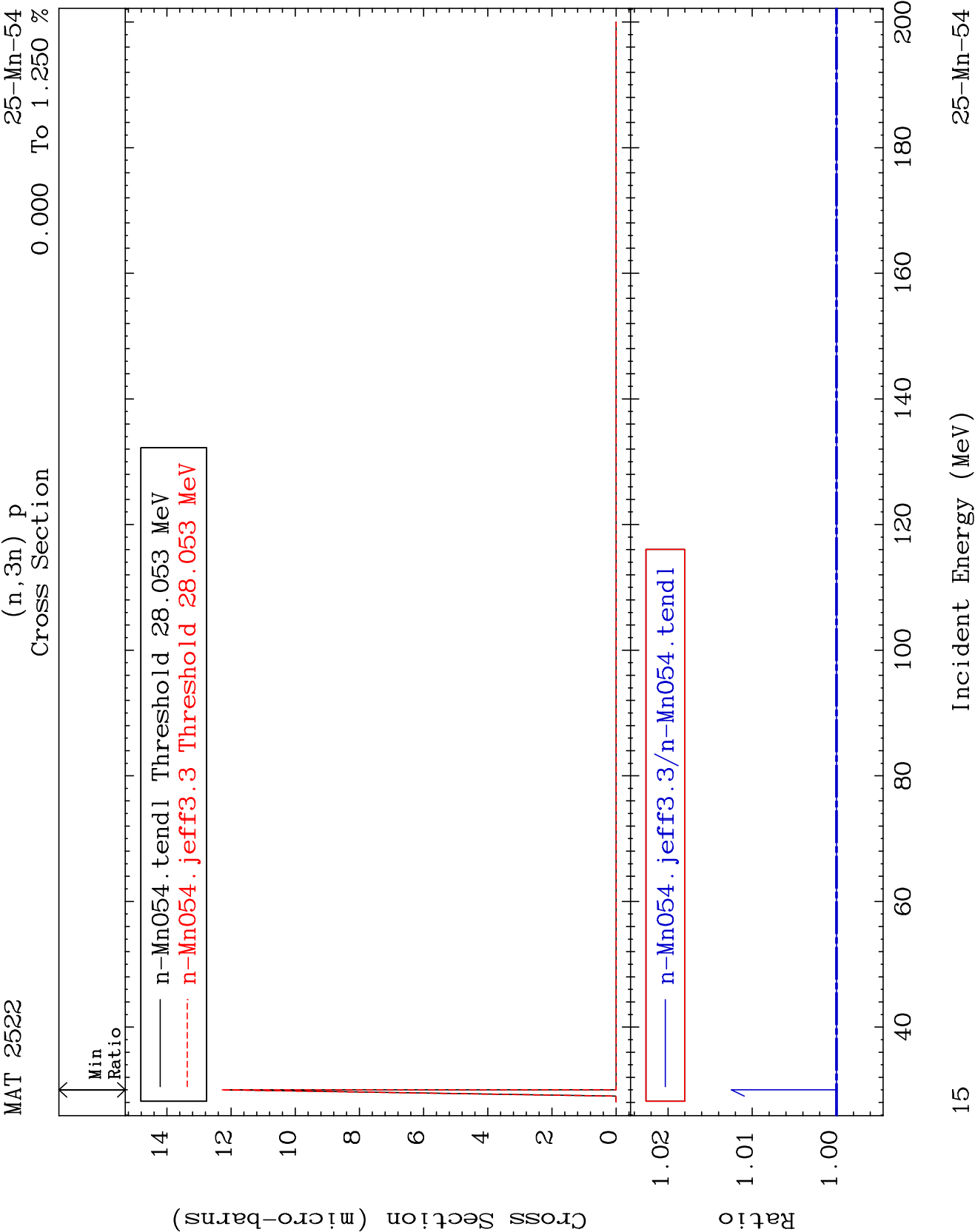
Cross Section

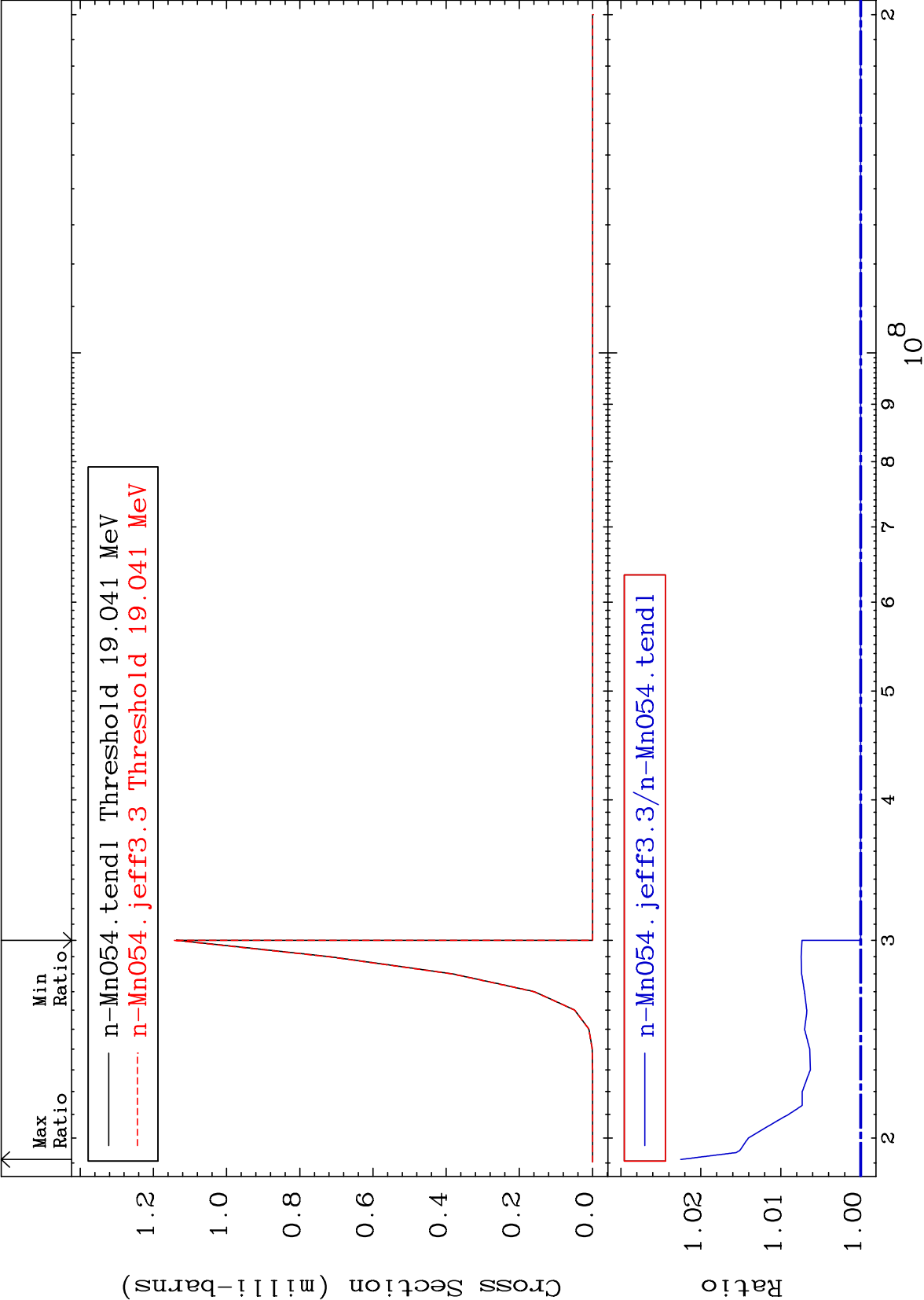
-0.087 To 0.065 %

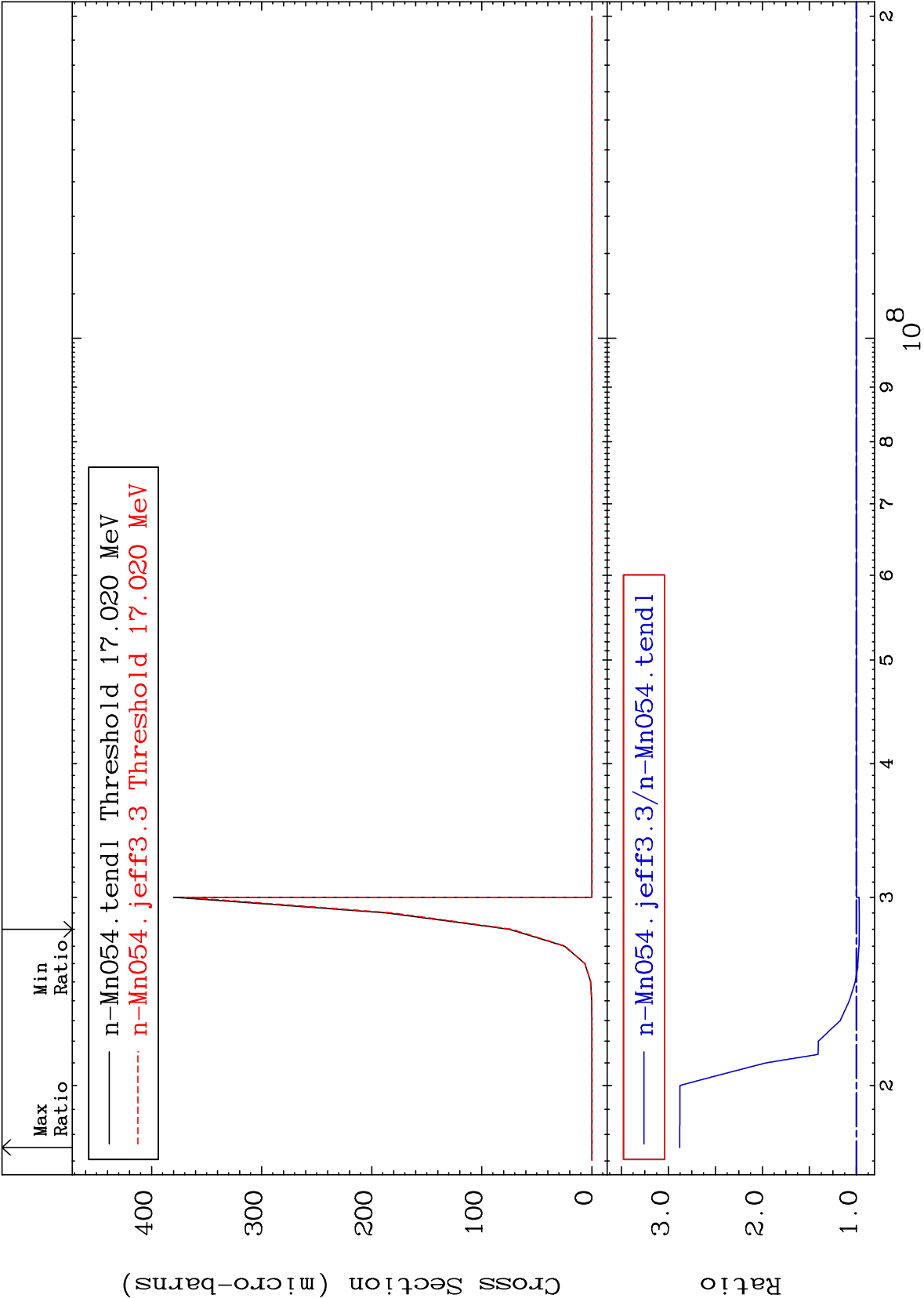












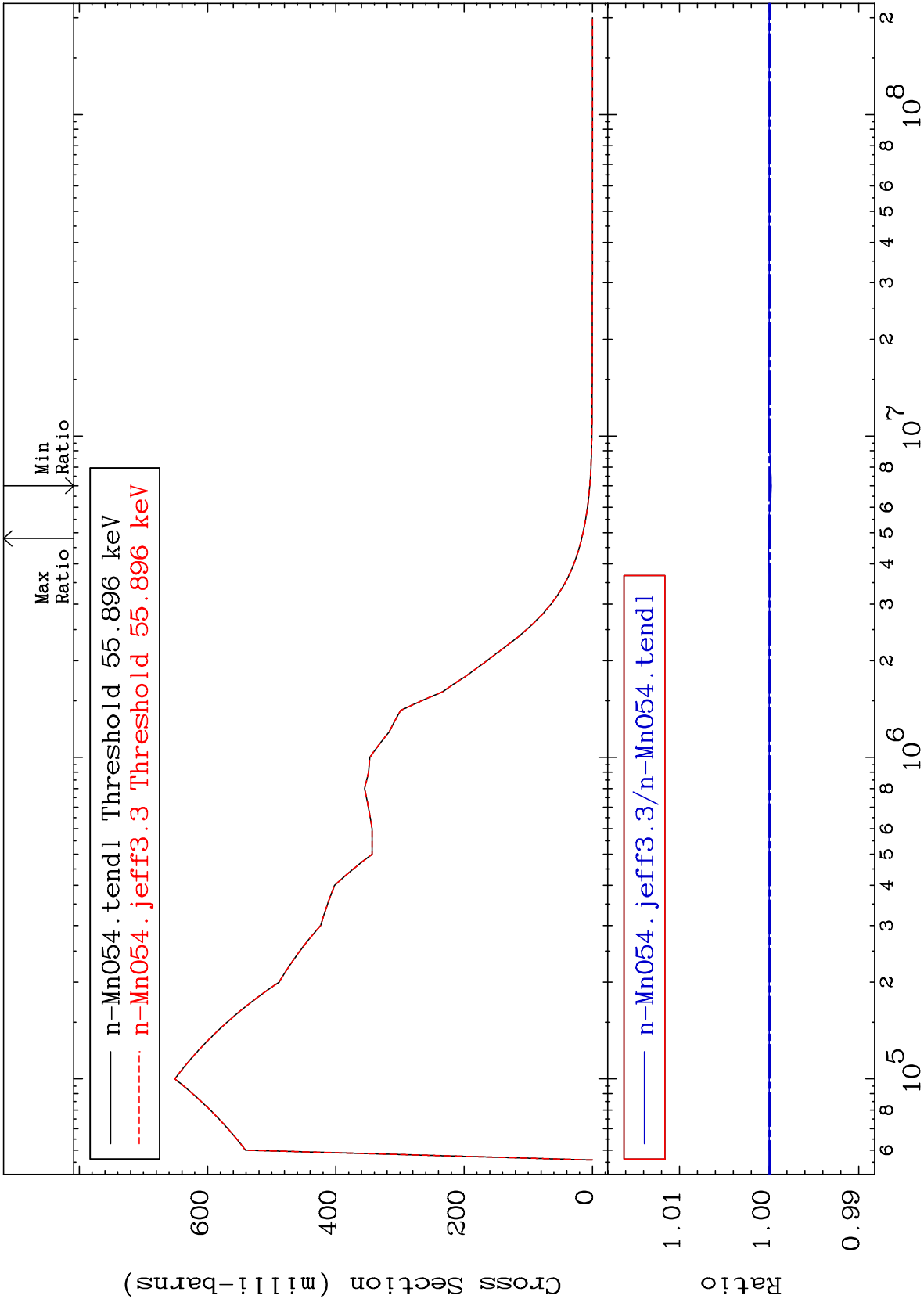
MAT 2522

MT= 51 (n,n') Level

25-Mn-54

-0.024 To 0.010 %

Cross Section



18

Incident Energy (eV)

25-Mn-54

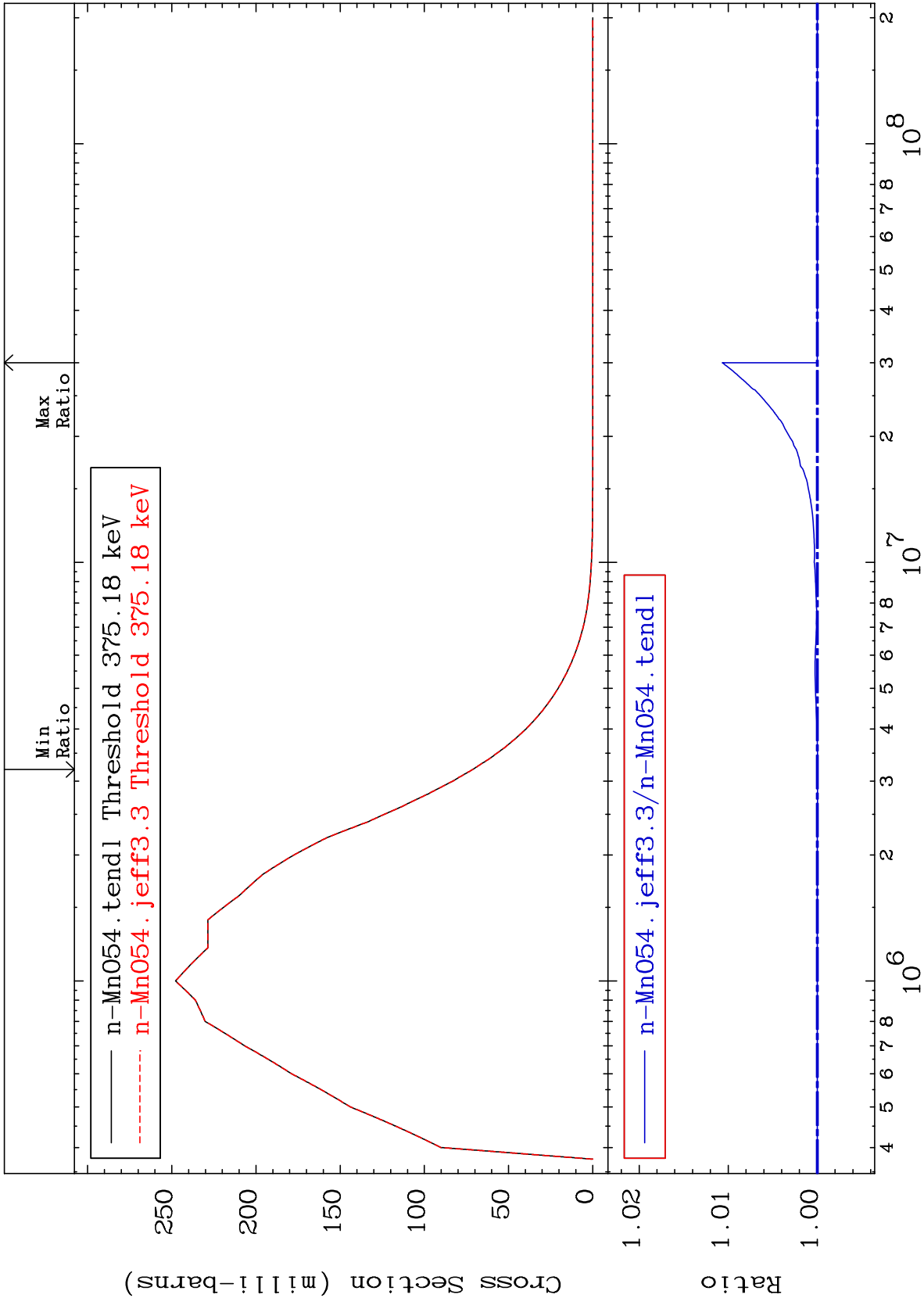
MAT 2522

MT= 53 (n,n') Level

25-Mn-54

-0.003 To 1.067 %

Cross Section



19

Incident Energy (eV)

25-Mn-54

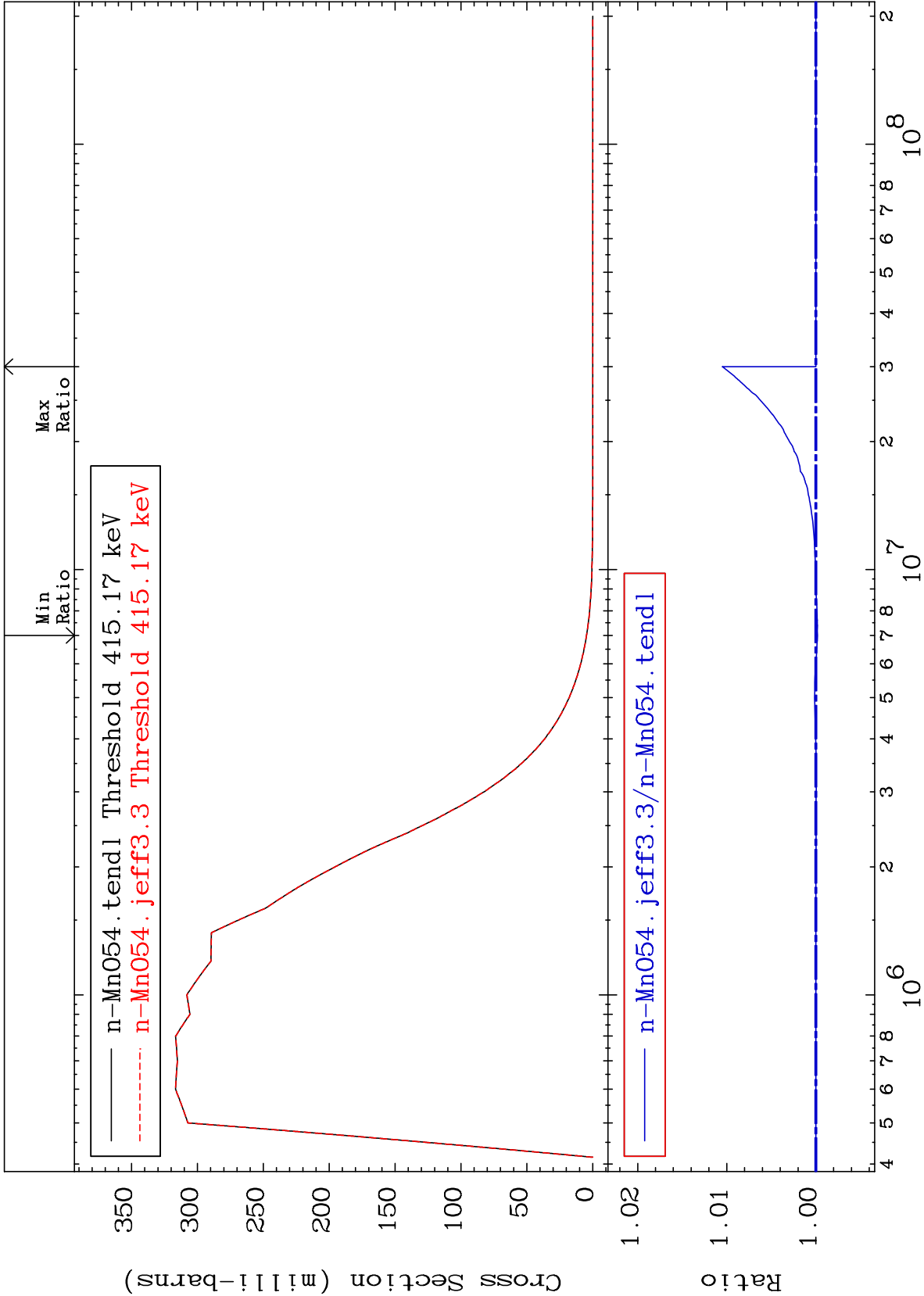
MAT 2522

MT= 54 (n,n') Level

25-Mn-54

-0.018 To 1.050 %

Cross Section



20

Incident Energy (eV)

25-Mn-54

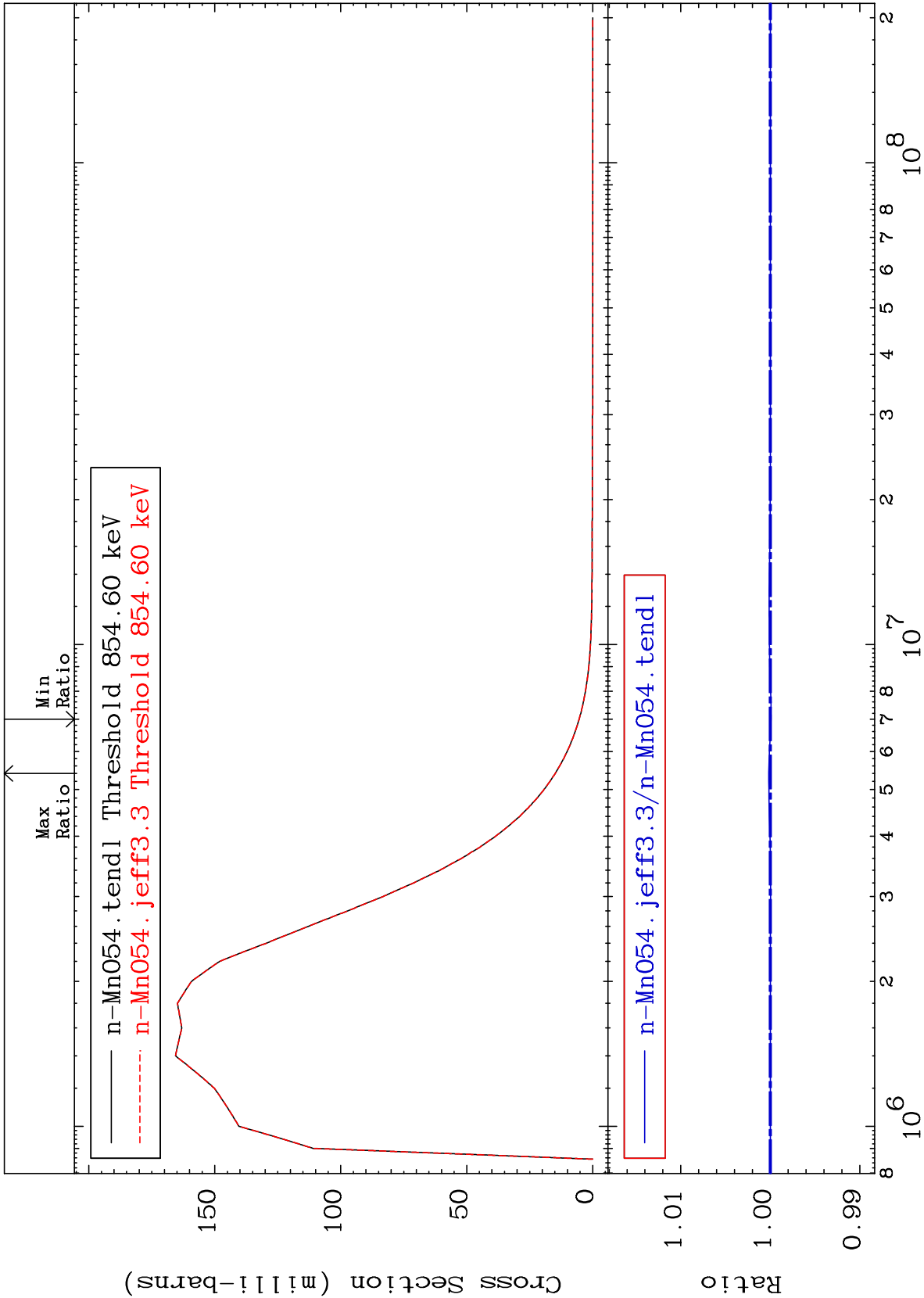
MAT 2522

MT= 55 (n,n') Level

25-Mn-54

-0.008 To 0.017 %

Cross Section



21

Incident Energy (eV)

25-Mn-54

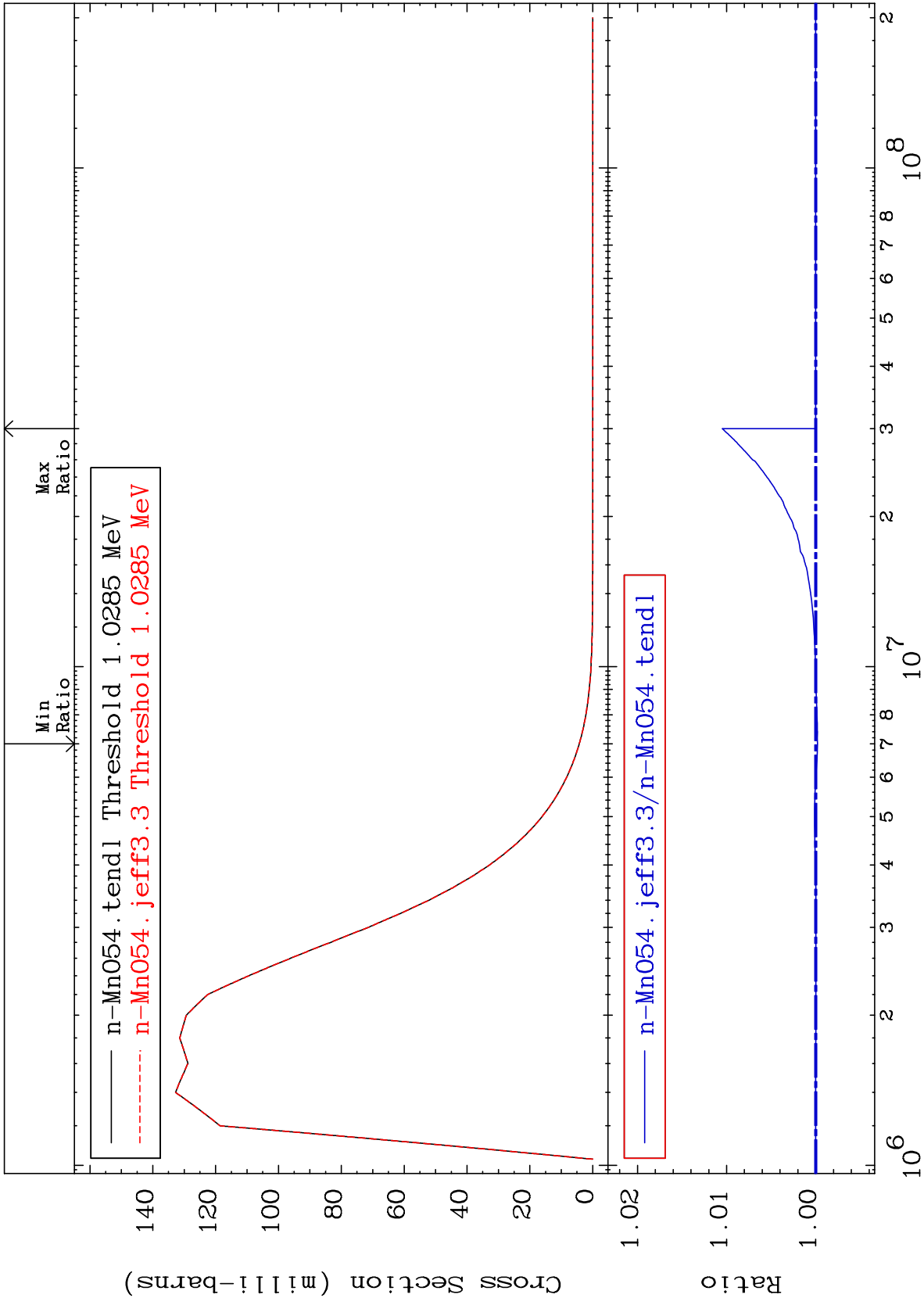
MAT 2522

MT= 56 (n,n') Level

25-Mn-54

Cross Section

-0.021 To 1.049 %



Incident Energy (eV)

25-Mn-54

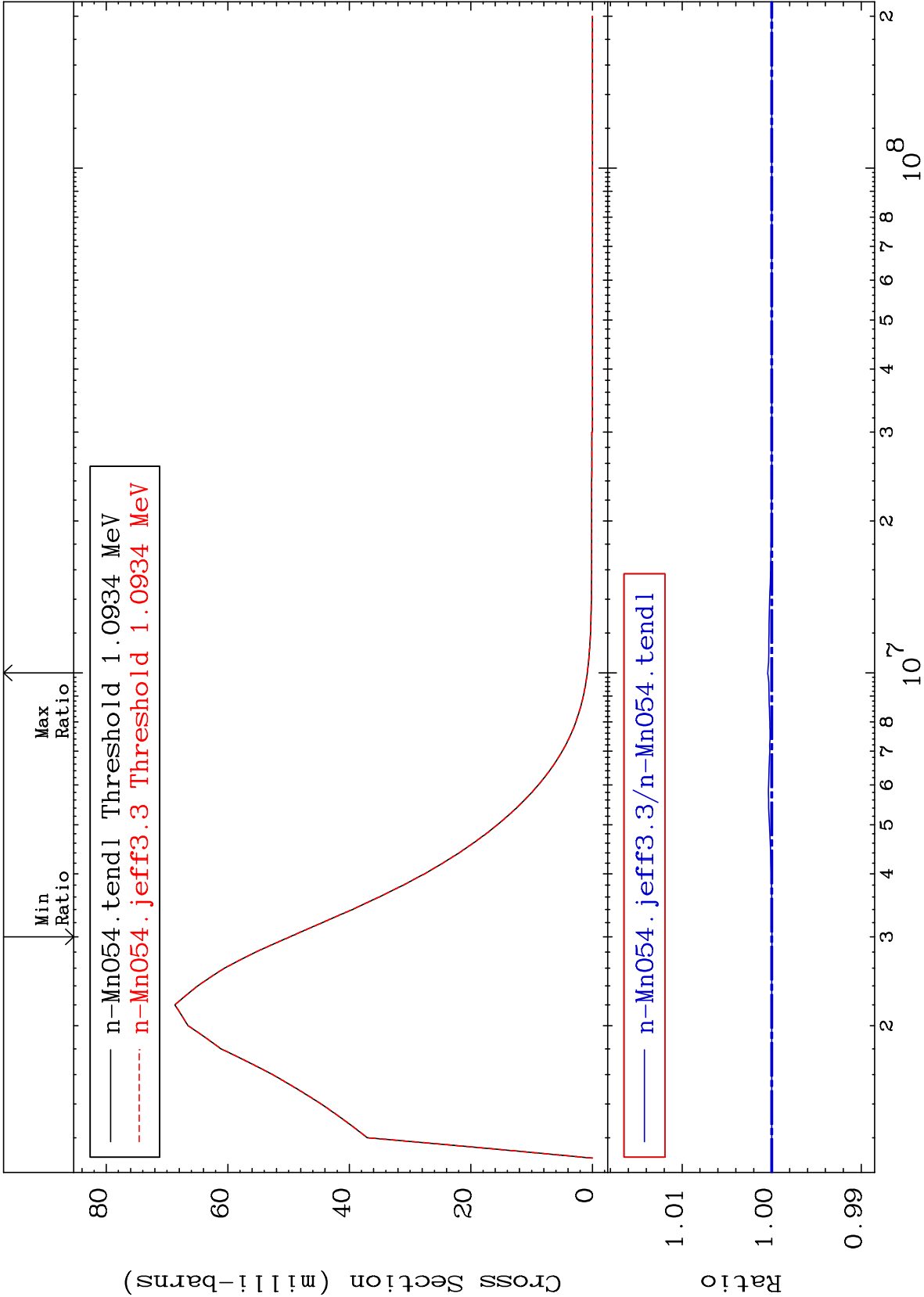
MAT 2522

MT= 57 (n,n') Level

25-Mn-54

-0.002 To 0.045 %

Cross Section



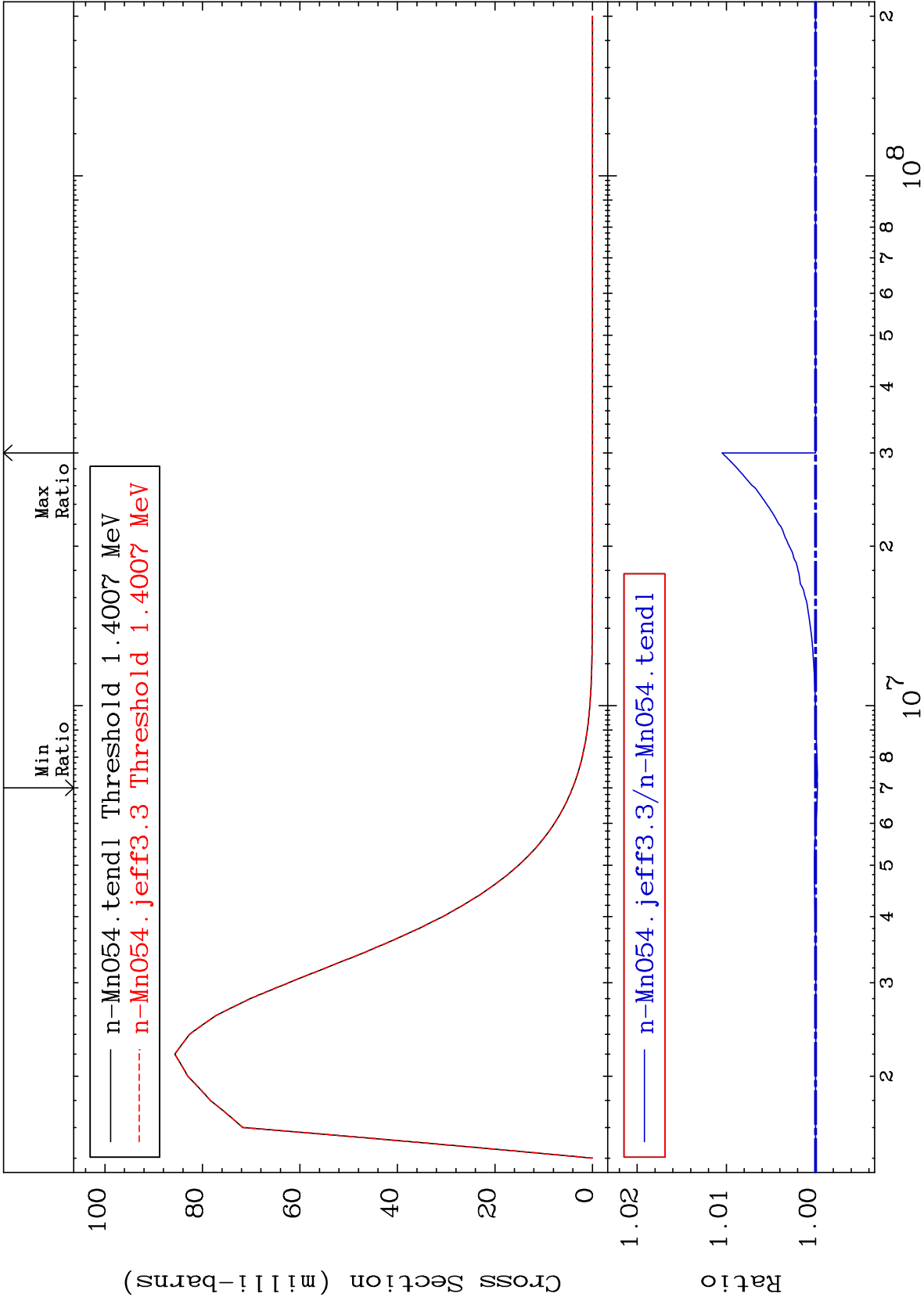
MAT 2522

MT= 59 (n,n') Level

²⁵Mn-54

-0.022 To 1.049 %

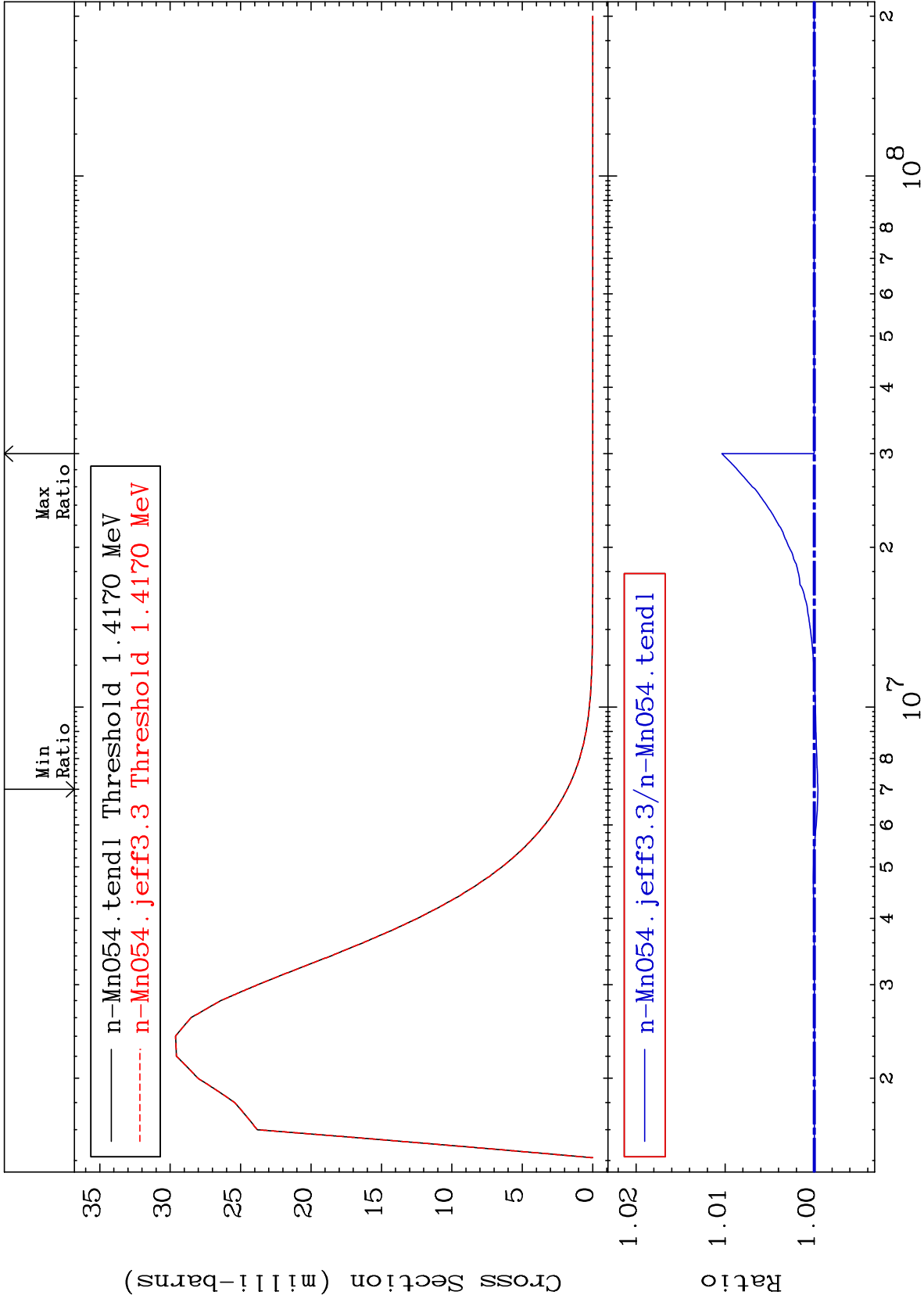
Cross Section



25

Incident Energy (eV)

²⁵Mn-54



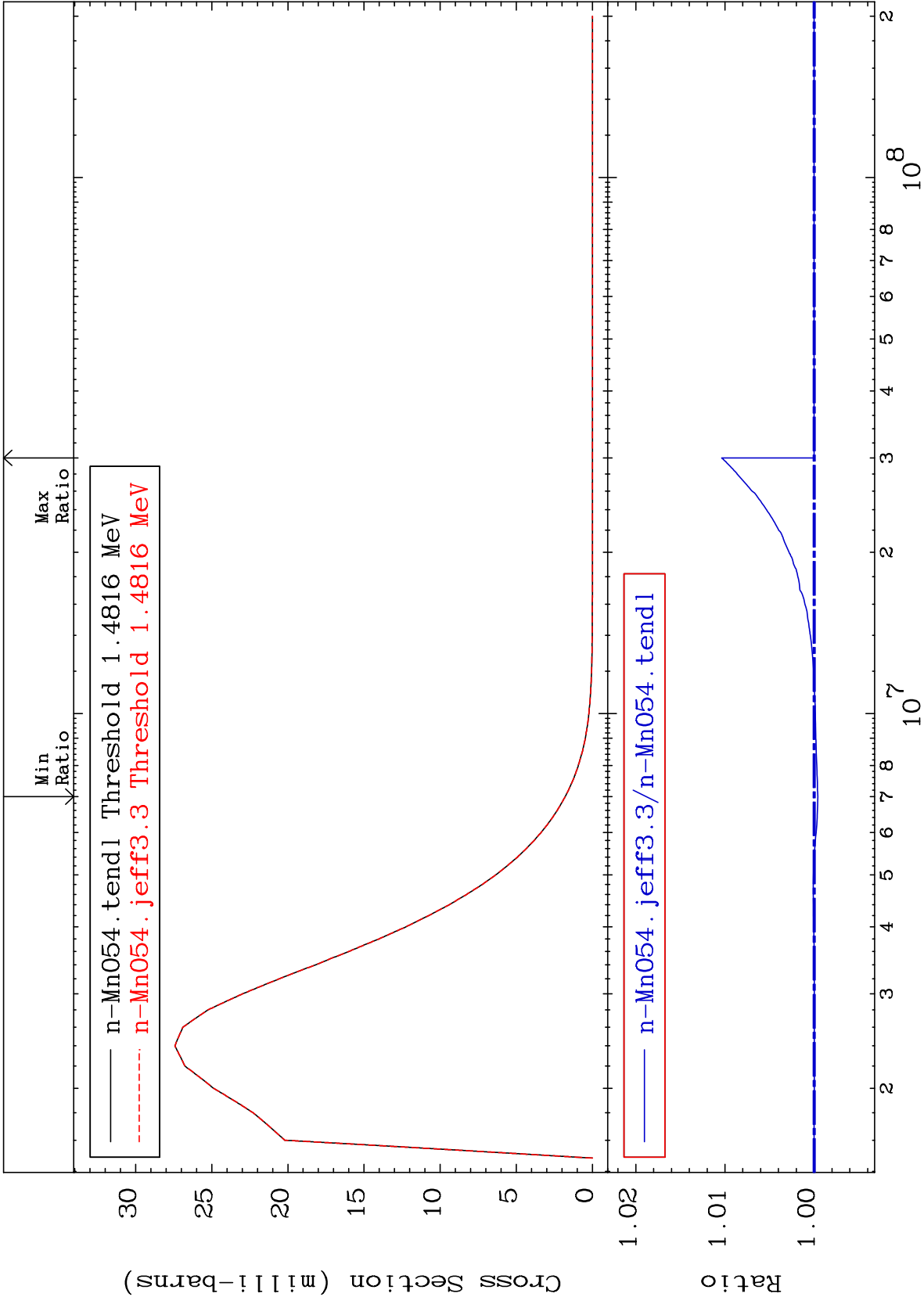
MAT 2522

MT= 61 (n,n') Level

²⁵Mn-54

-0.041 To 1.037 %

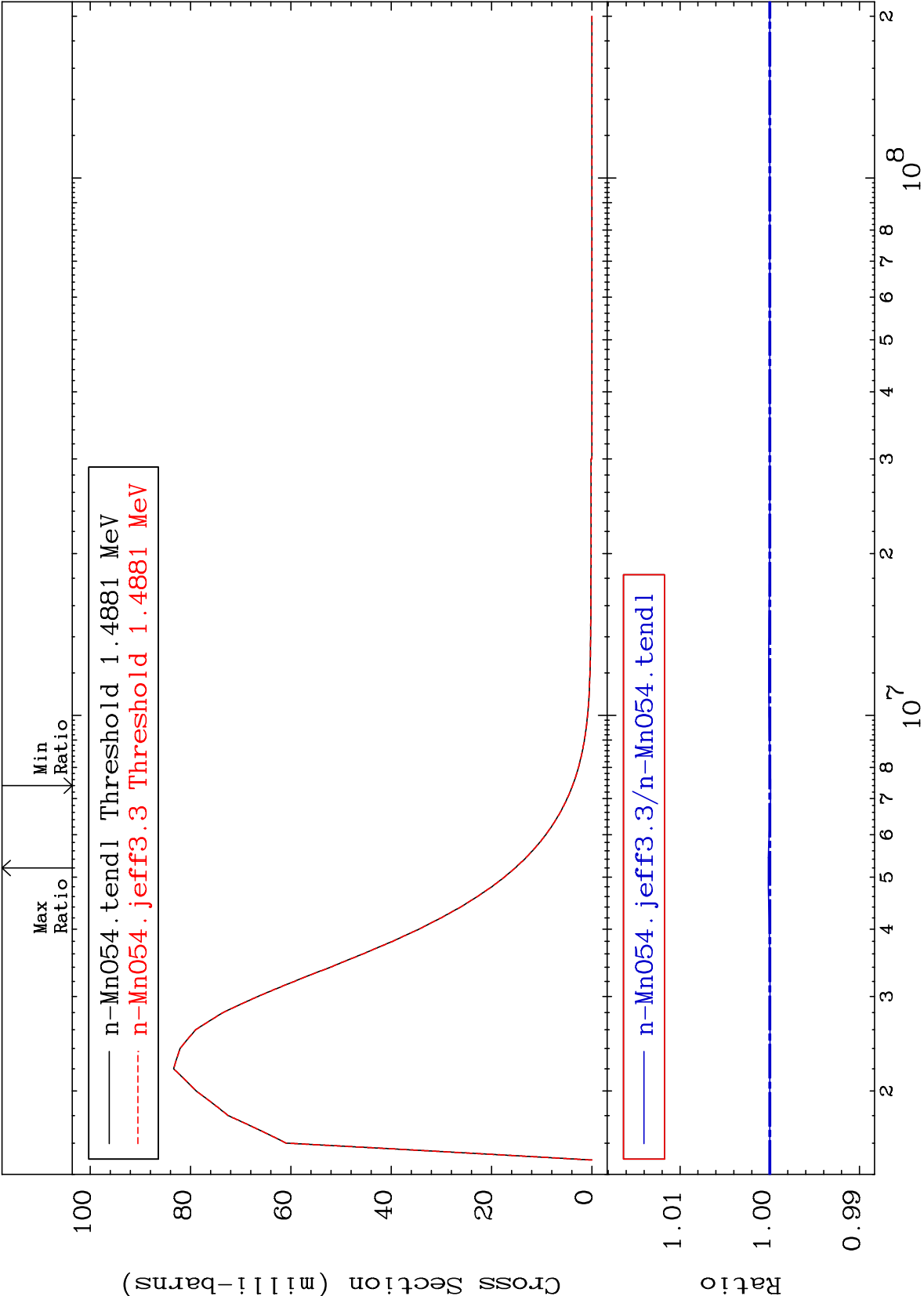
Cross Section

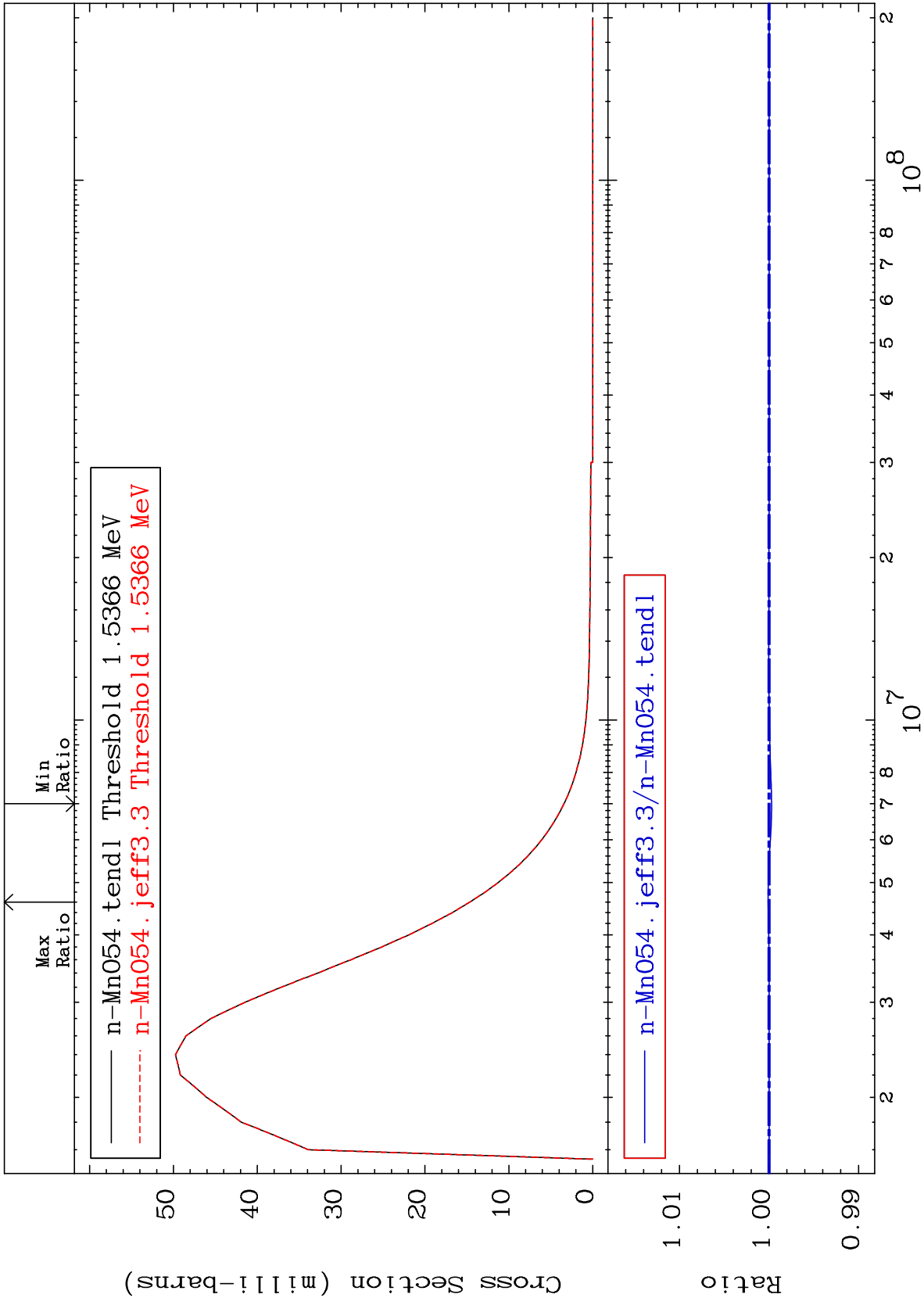


27

Incident Energy (eV)

²⁵Mn-54

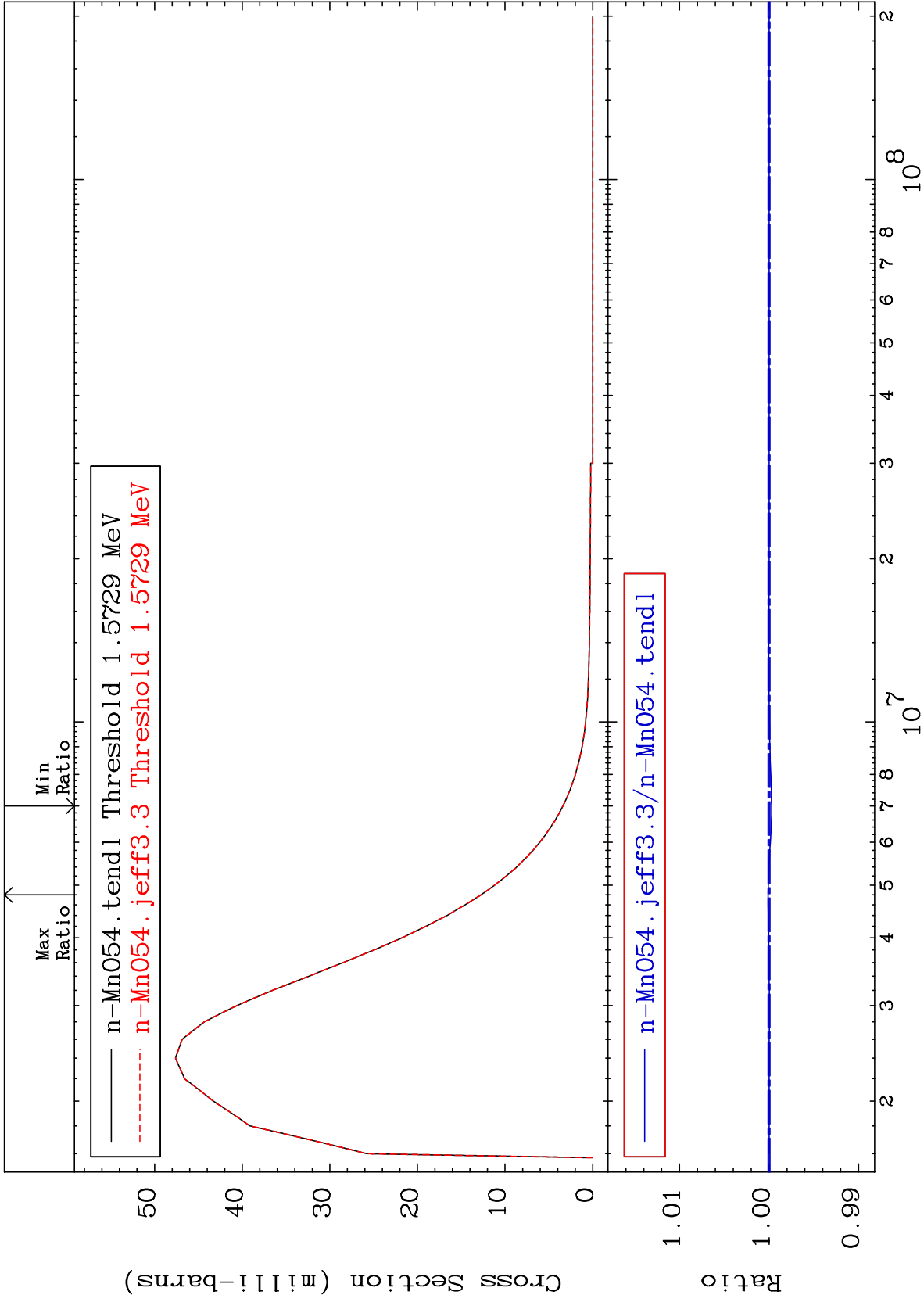




MAT 2522

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

25-Mn-54
-0.029 To 0.011 %



30

Incident Energy (eV)

25-Mn-54

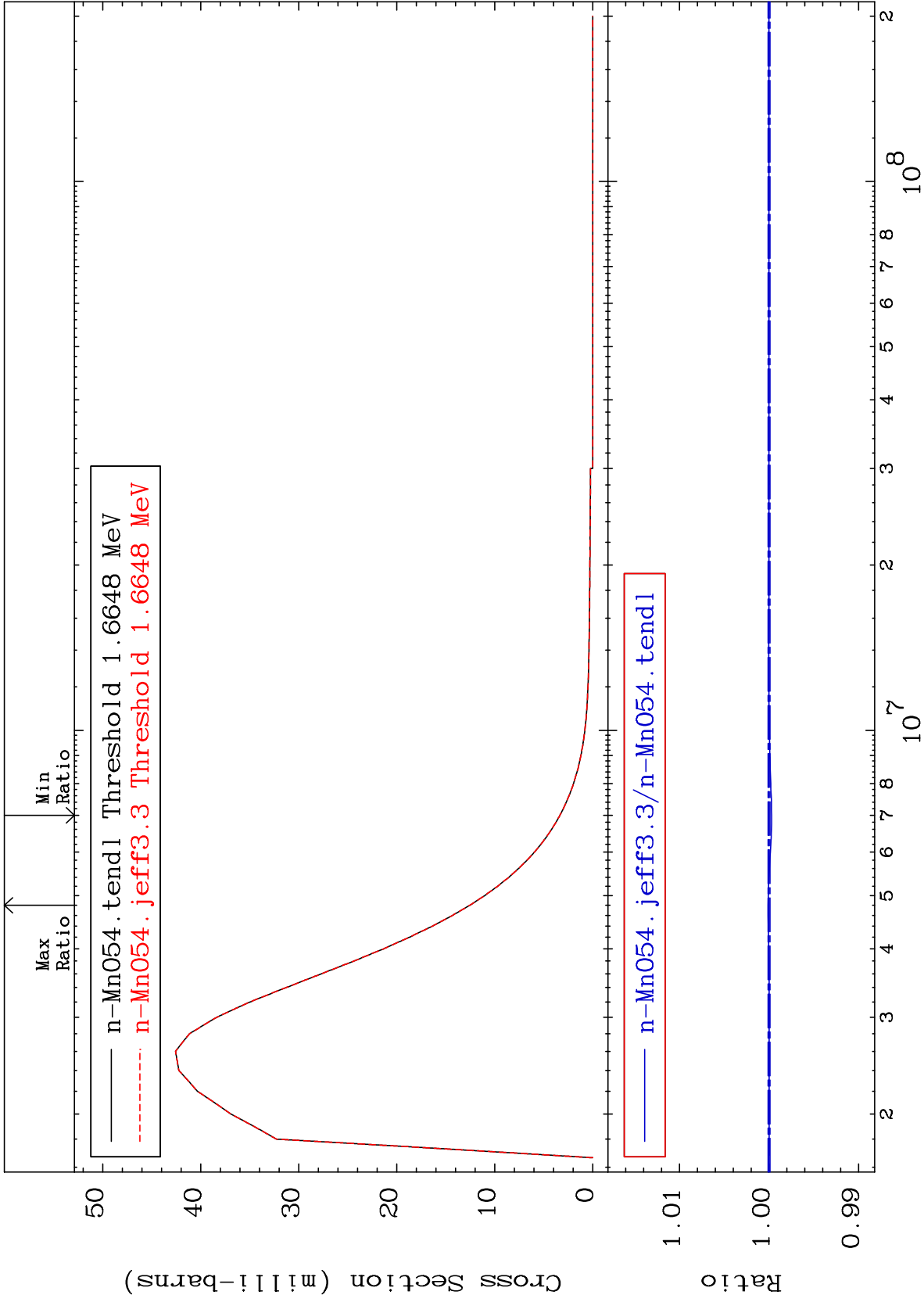
MAT 2522

MT= 65 (n,n') Level

25-Mn-54

-0.030 To 0.010 %

Cross Section



31

Incident Energy (eV)

25-Mn-54

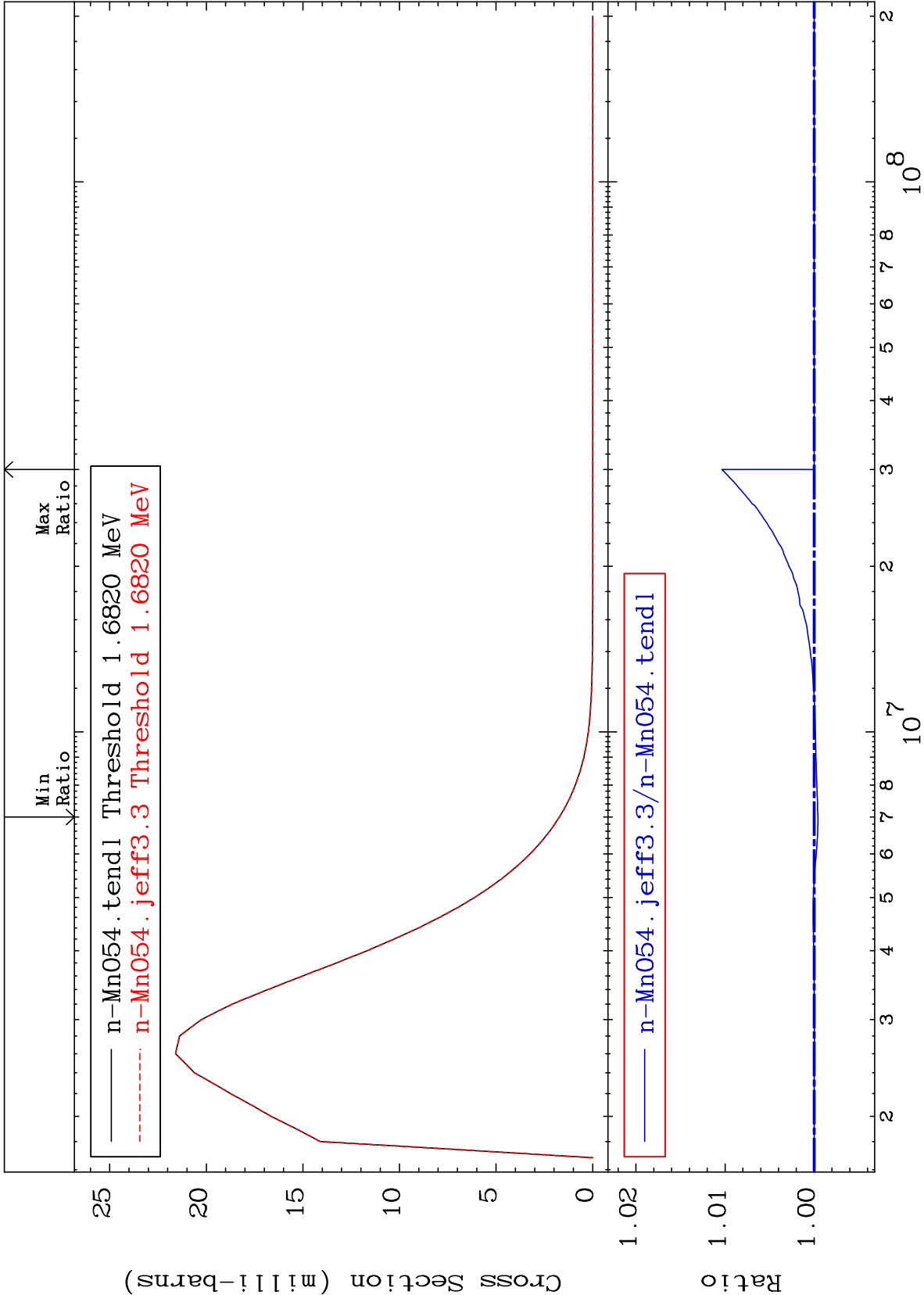
MAT 2522

MT= 66 (n,n') Level

²⁵Mn-54

-0.043 To 1.037 %

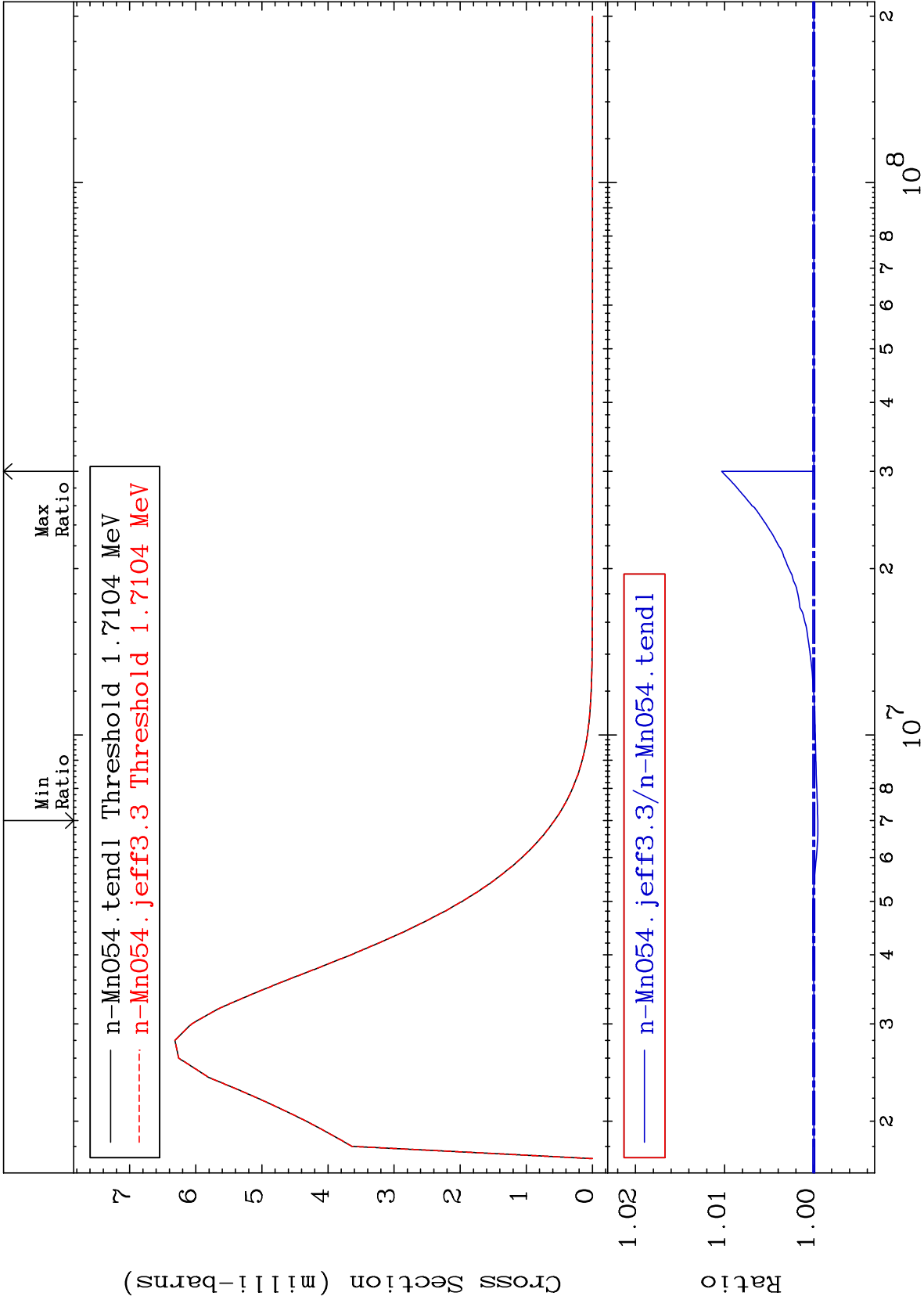
Cross Section



32

Incident Energy (eV)

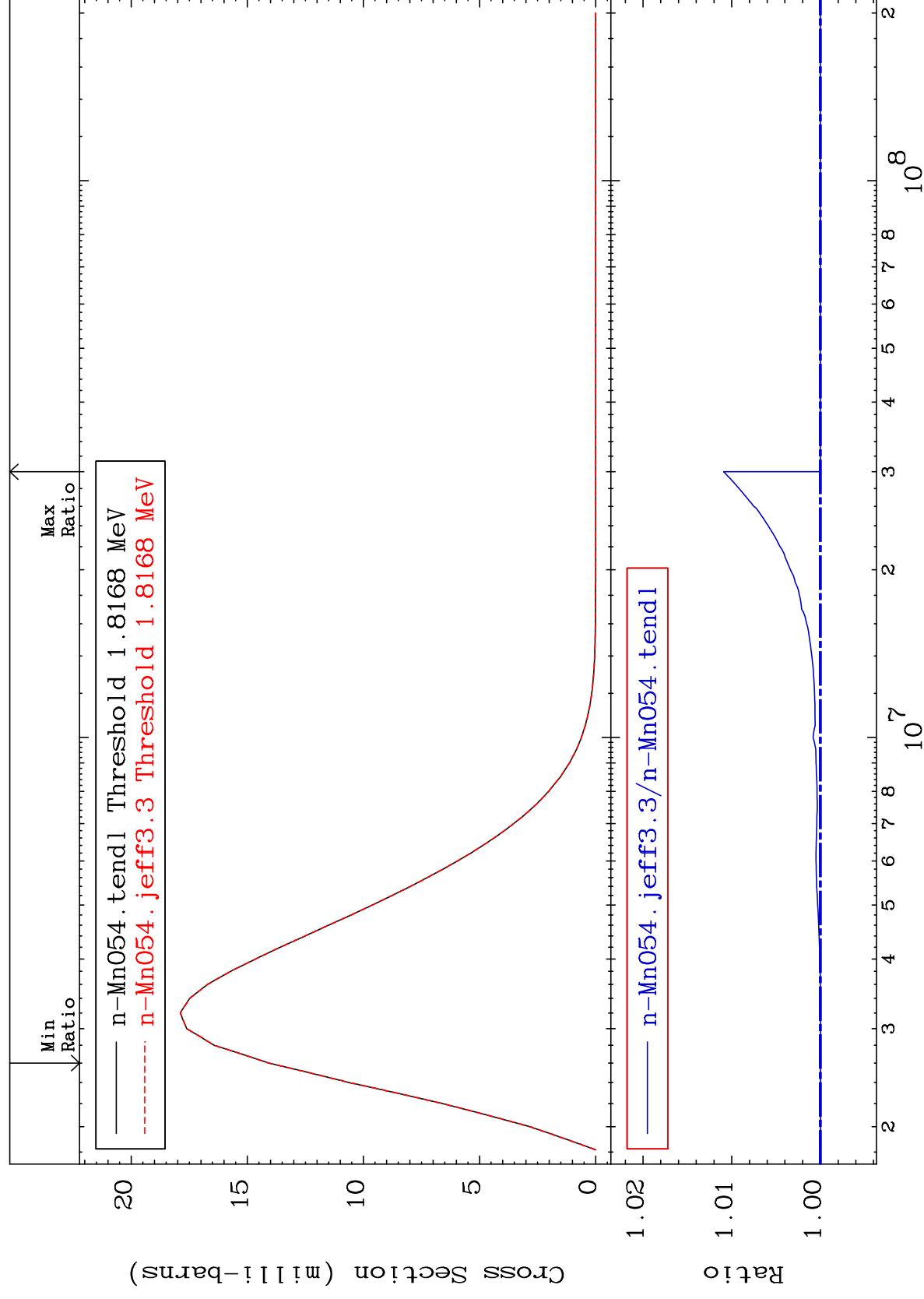
²⁵Mn-54



MAT 2522

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

25-Mn-54
-0.001 To 1.091 %



34

Incident Energy (eV)

25-Mn-54

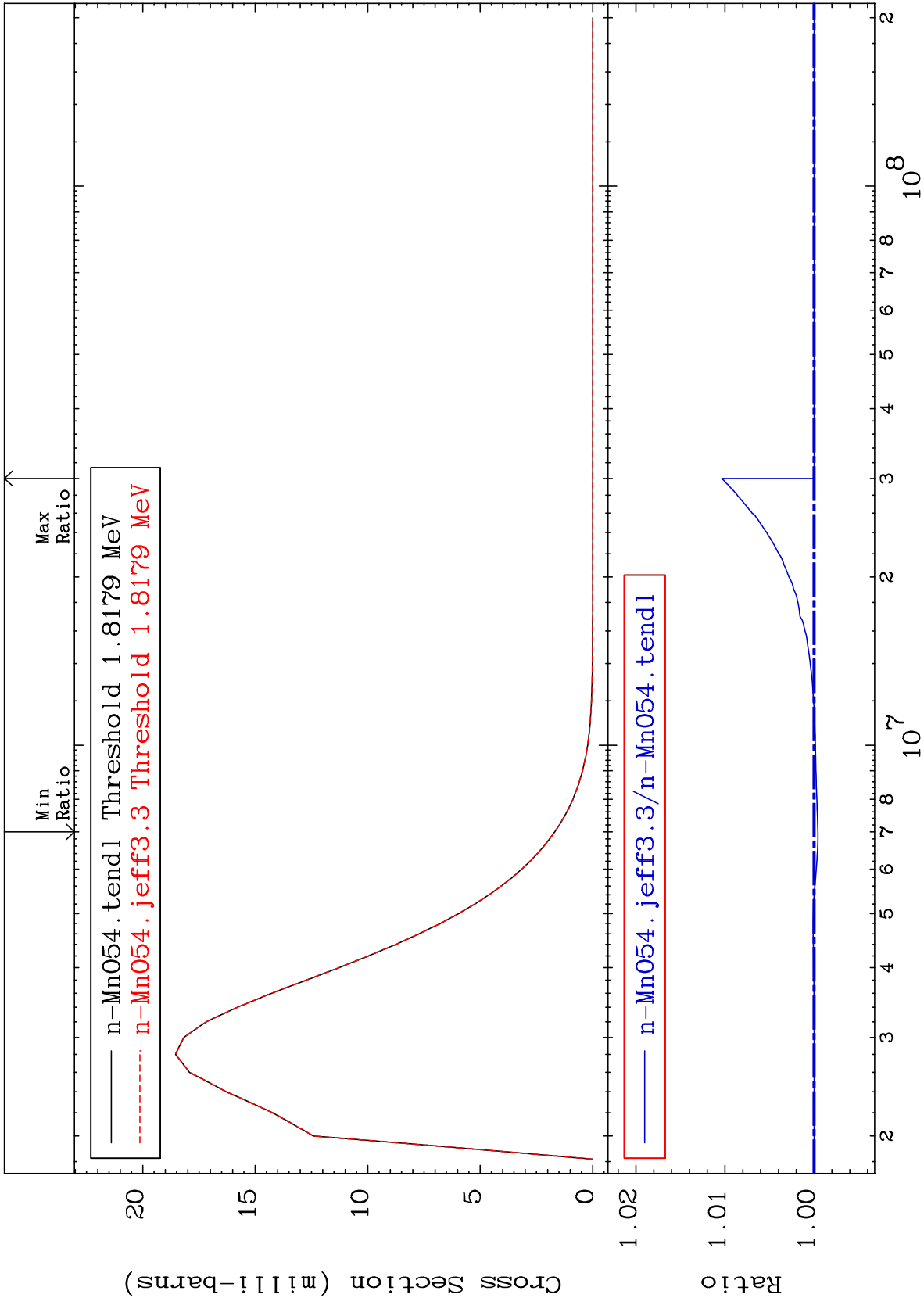
MAT 2522

MT= 69 (n,n') Level

²⁵Mn-54

-0.043 To 1.036 %

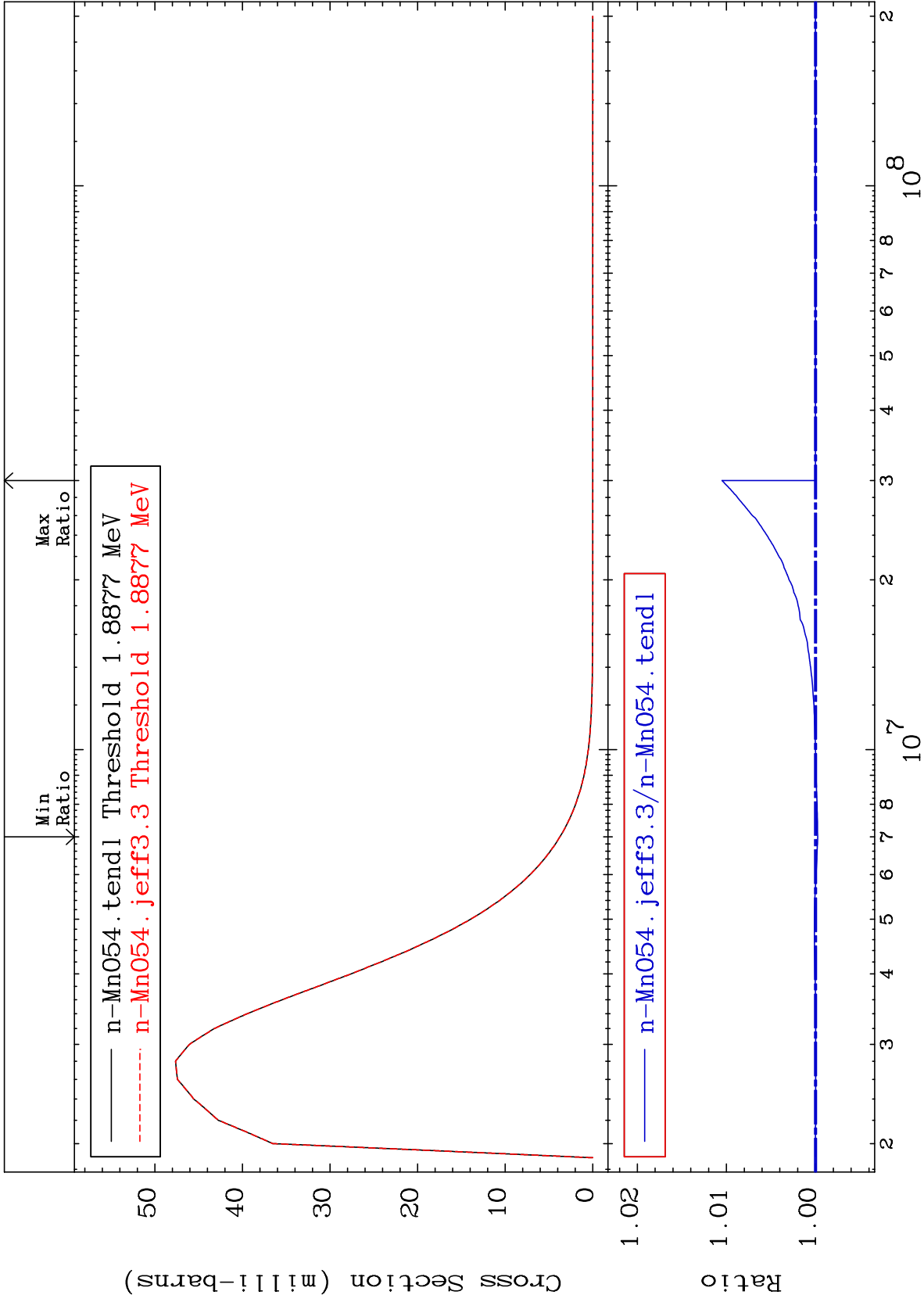
Cross Section



35

Incident Energy (eV)

²⁵Mn-54



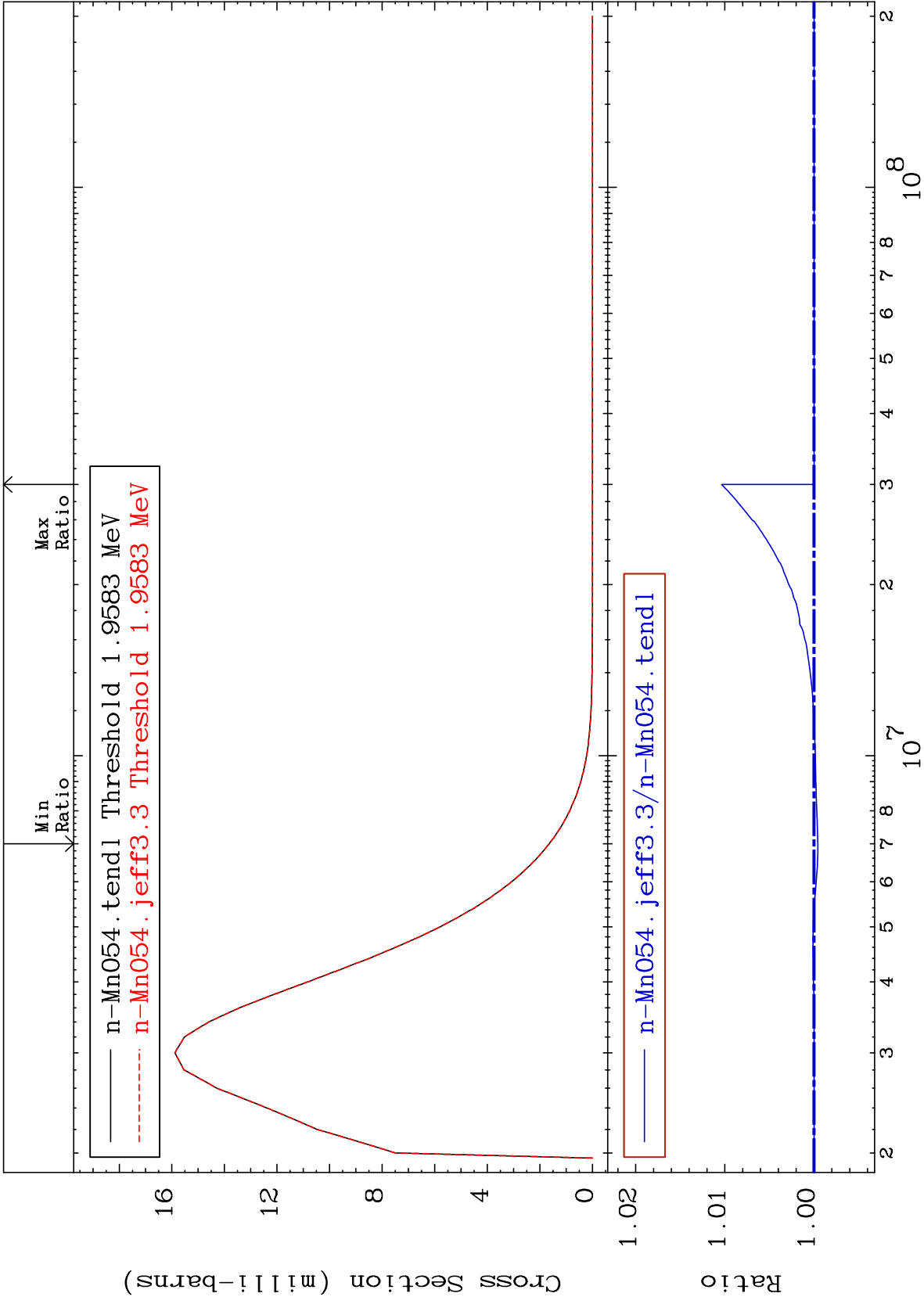
MAT 2522

MT= 71 (n,n') Level

25-Mn-54

-0.044 To 1.036 %

Cross Section



37

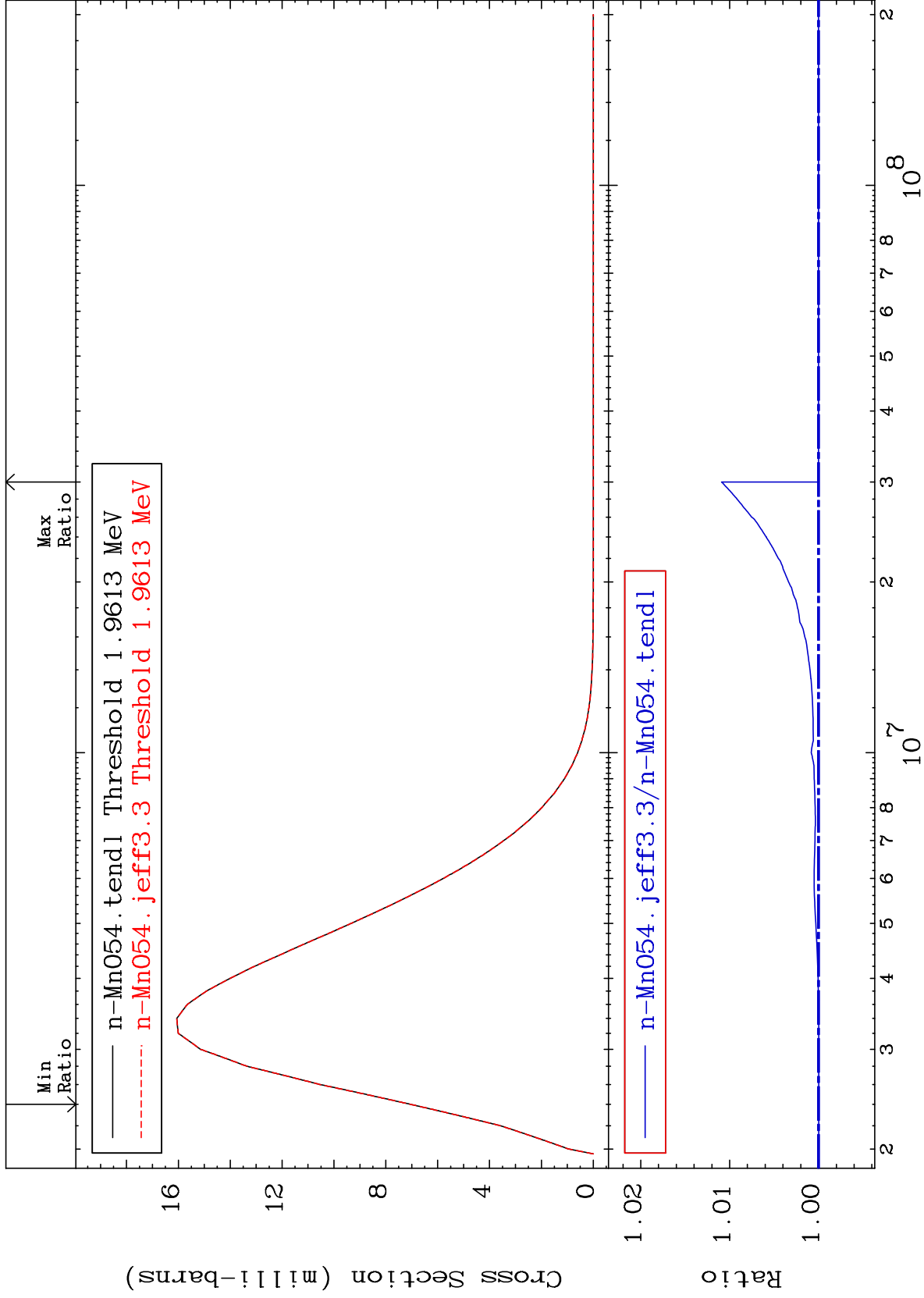
Incident Energy (eV)

25-Mn-54

MAT 2522

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

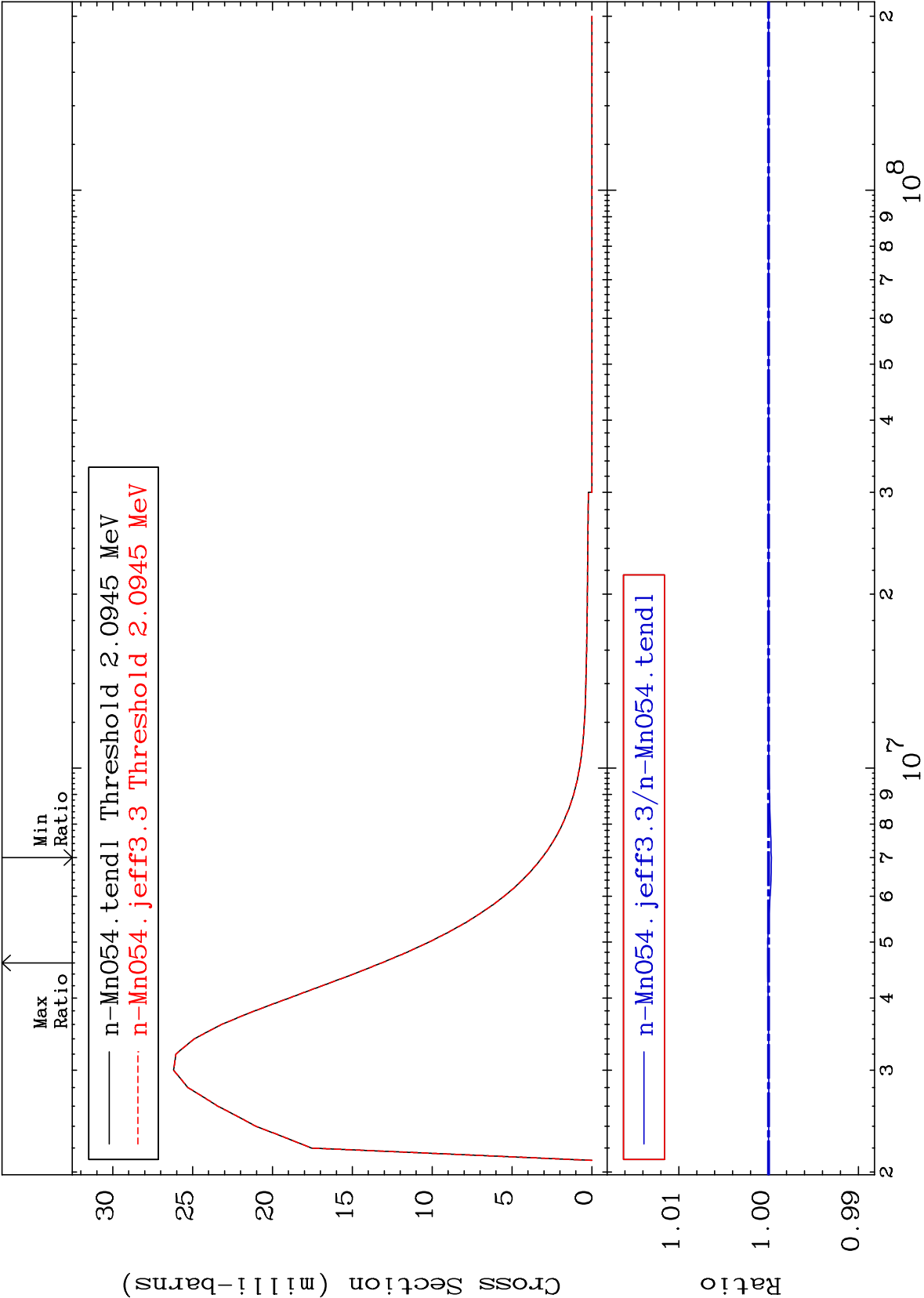
25-Mn-54
-0.002 To 1.090 %



38

Incident Energy (eV)

25-Mn-54



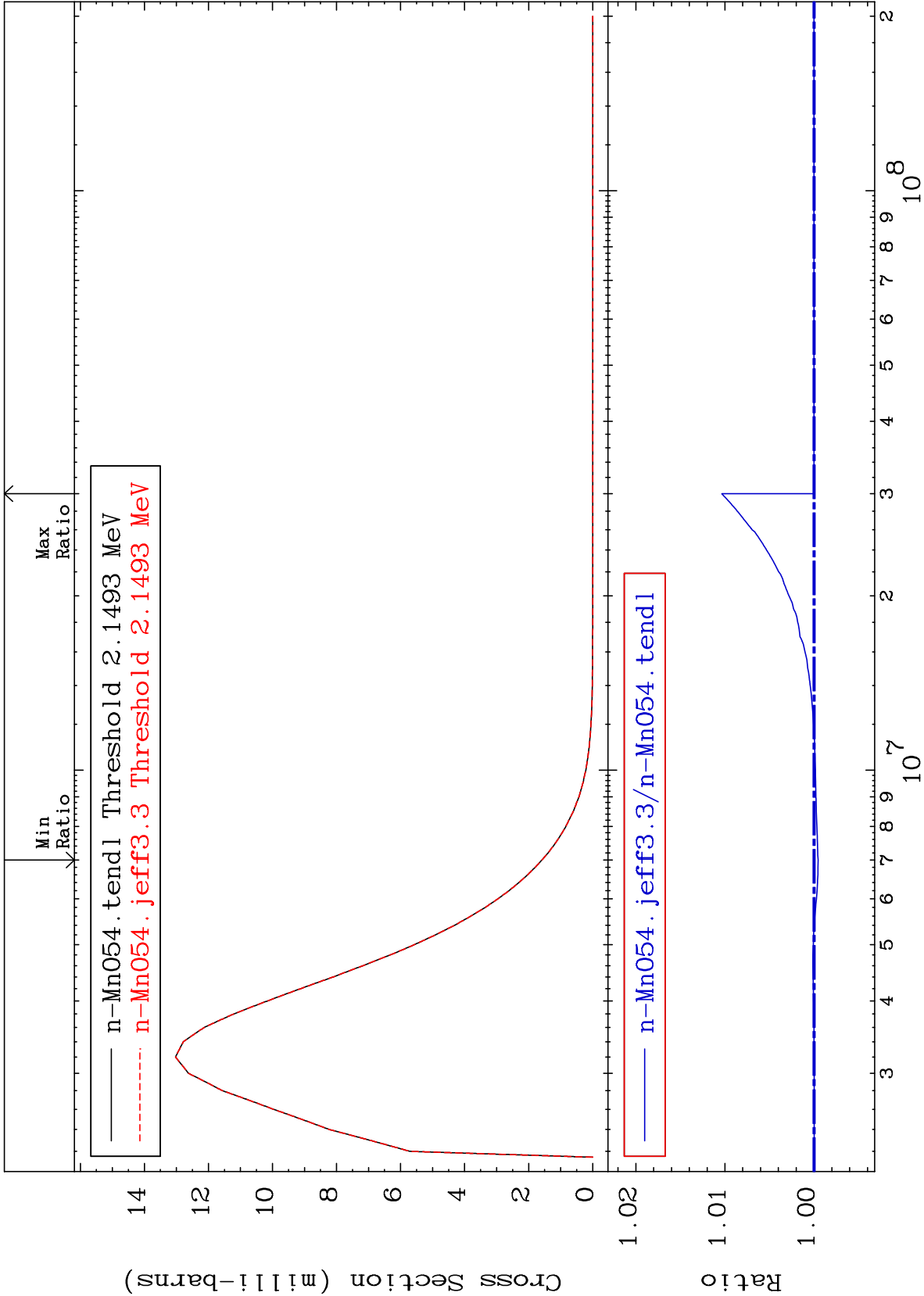
MAT 2522

MT= 74 (n,n') Level

25-Mn-54

-0.045 To 1.036 %

Cross Section



40

Incident Energy (eV)

25-Mn-54

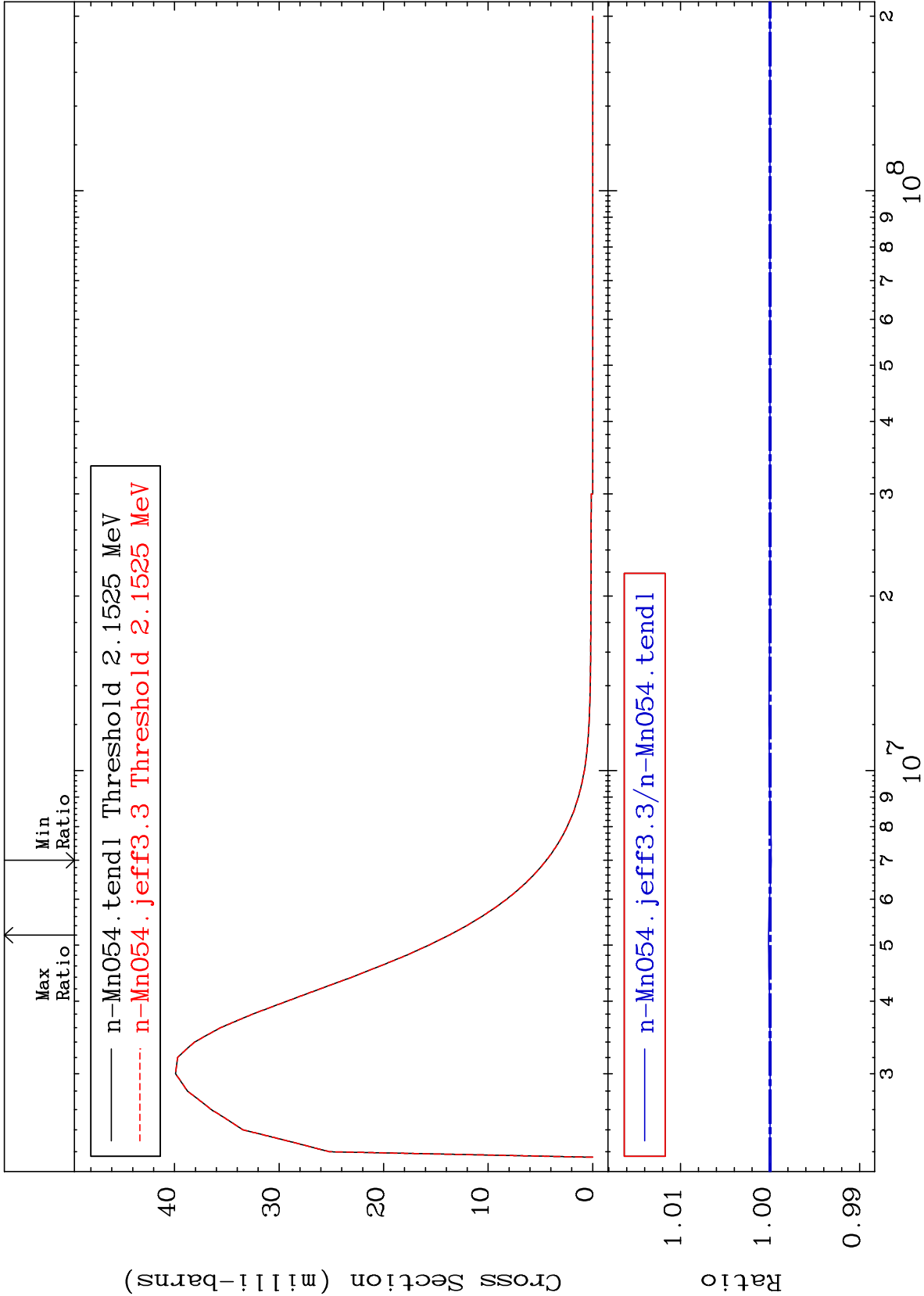
MAT 2522

MT= 75 (n,n') Level

25-Mn-54

-0.013 To 0.016 %

Cross Section



n-Mn054.tendl Threshold 2.1525 MeV

n-Mn054.jeff3.3 Threshold 2.1525 MeV

n-Mn054.jeff3.3/n-Mn054.tendl

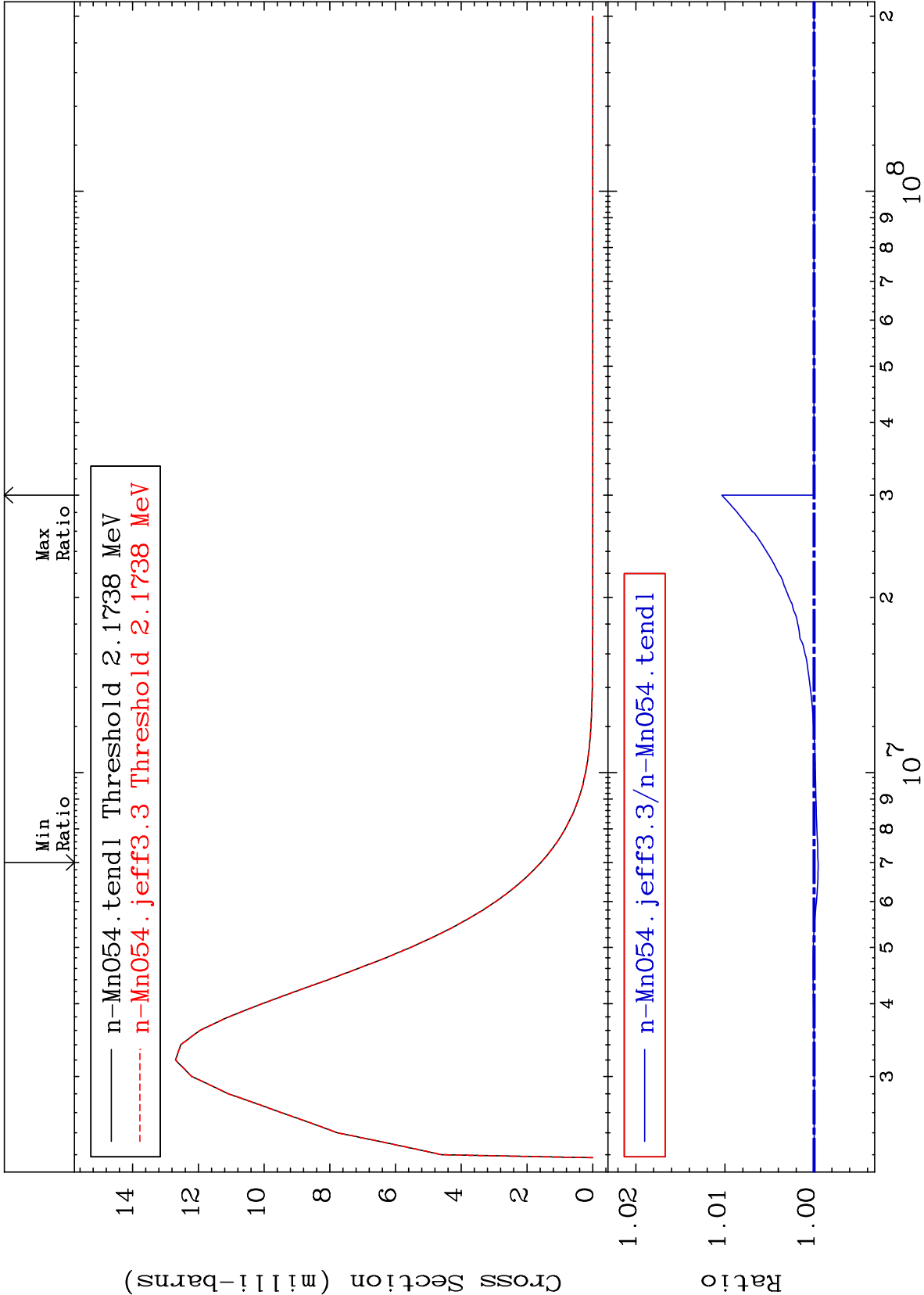
MAT 2522

MT= 76 (n,n') Level

²⁵Mn-54

-0.045 To 1.036 %

Cross Section



42

Incident Energy (eV)

²⁵Mn-54

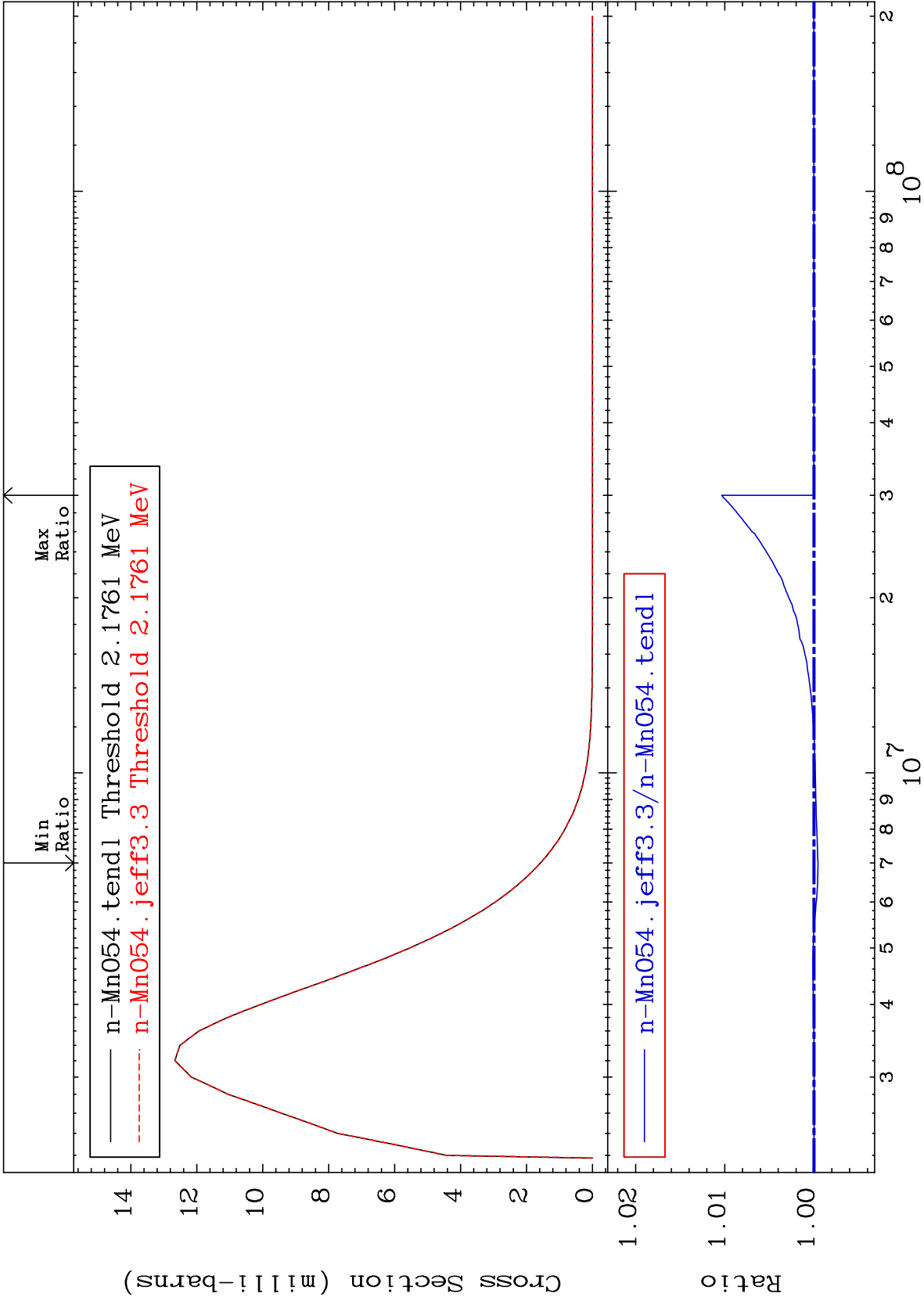
MAT 2522

MT= 77 (n,n') Level

²⁵Mn-54

-0.046 To 1.036 %

Cross Section



43

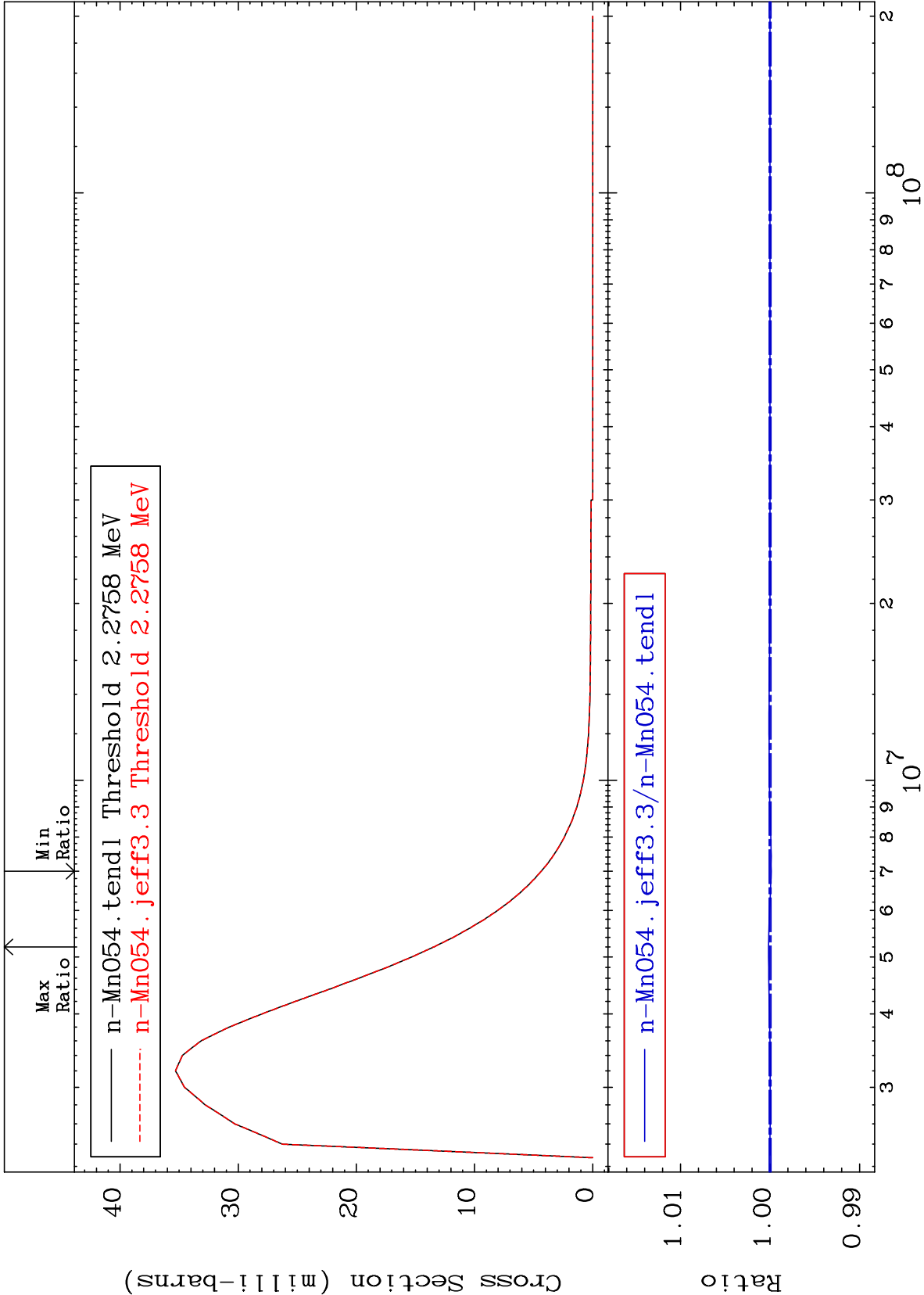
Incident Energy (eV)

²⁵Mn-54

MAT 2522

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

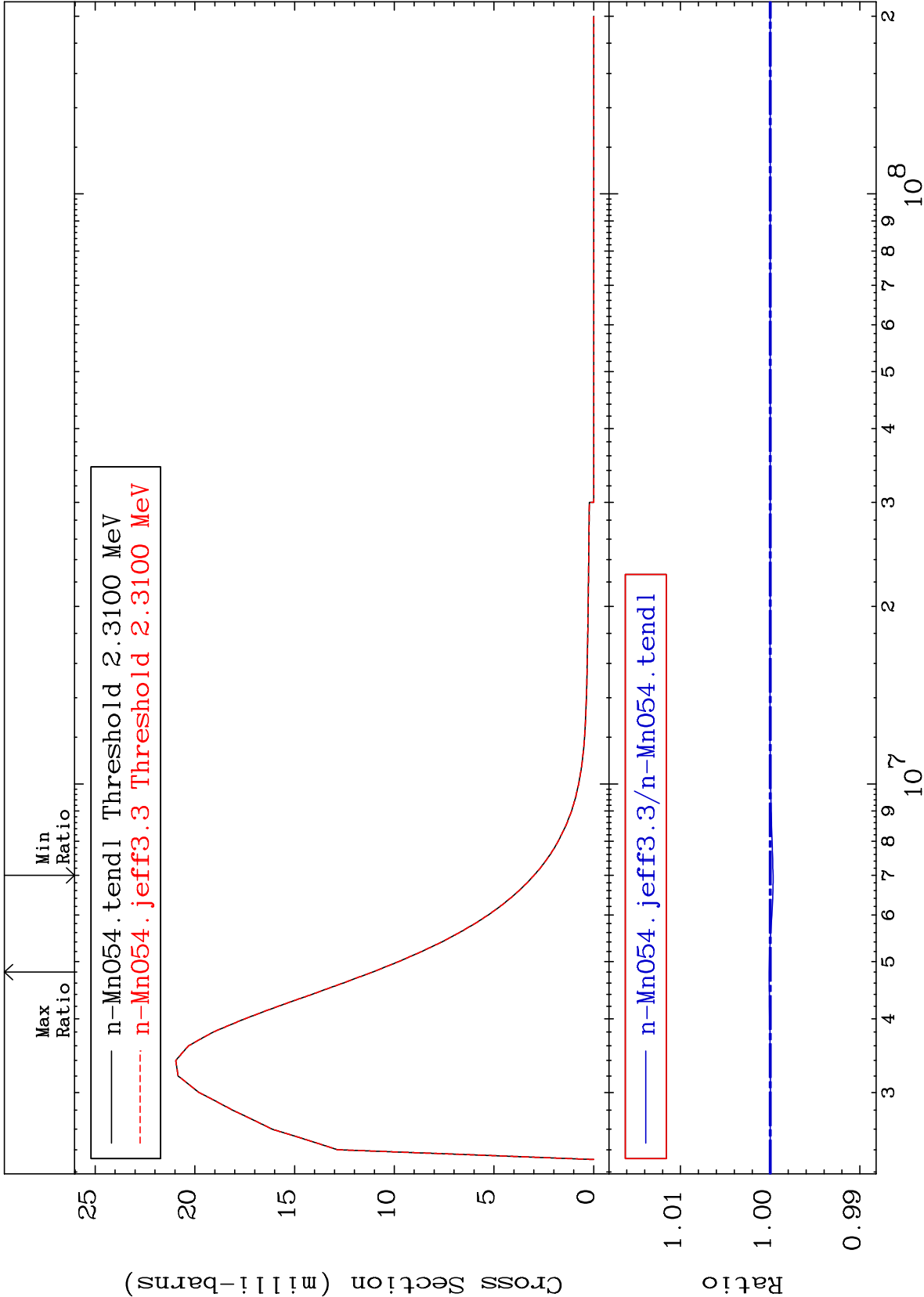
25-Mn-54
-0.014 To 0.016 %



MAT 2522

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

25-Mn-54
-0.033 To 0.011 %



45

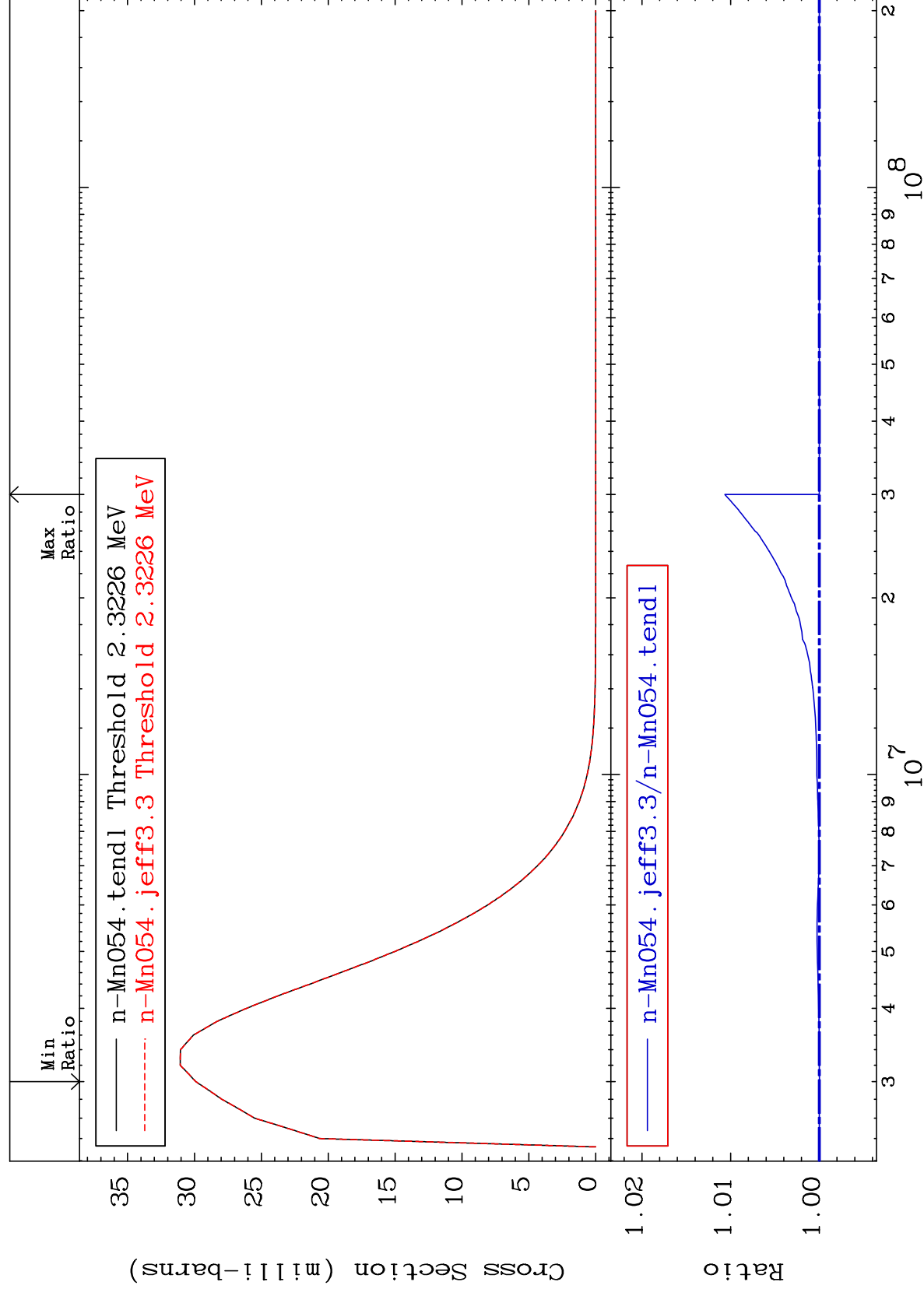
Incident Energy (eV)

25-Mn-54

MAT 2522

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

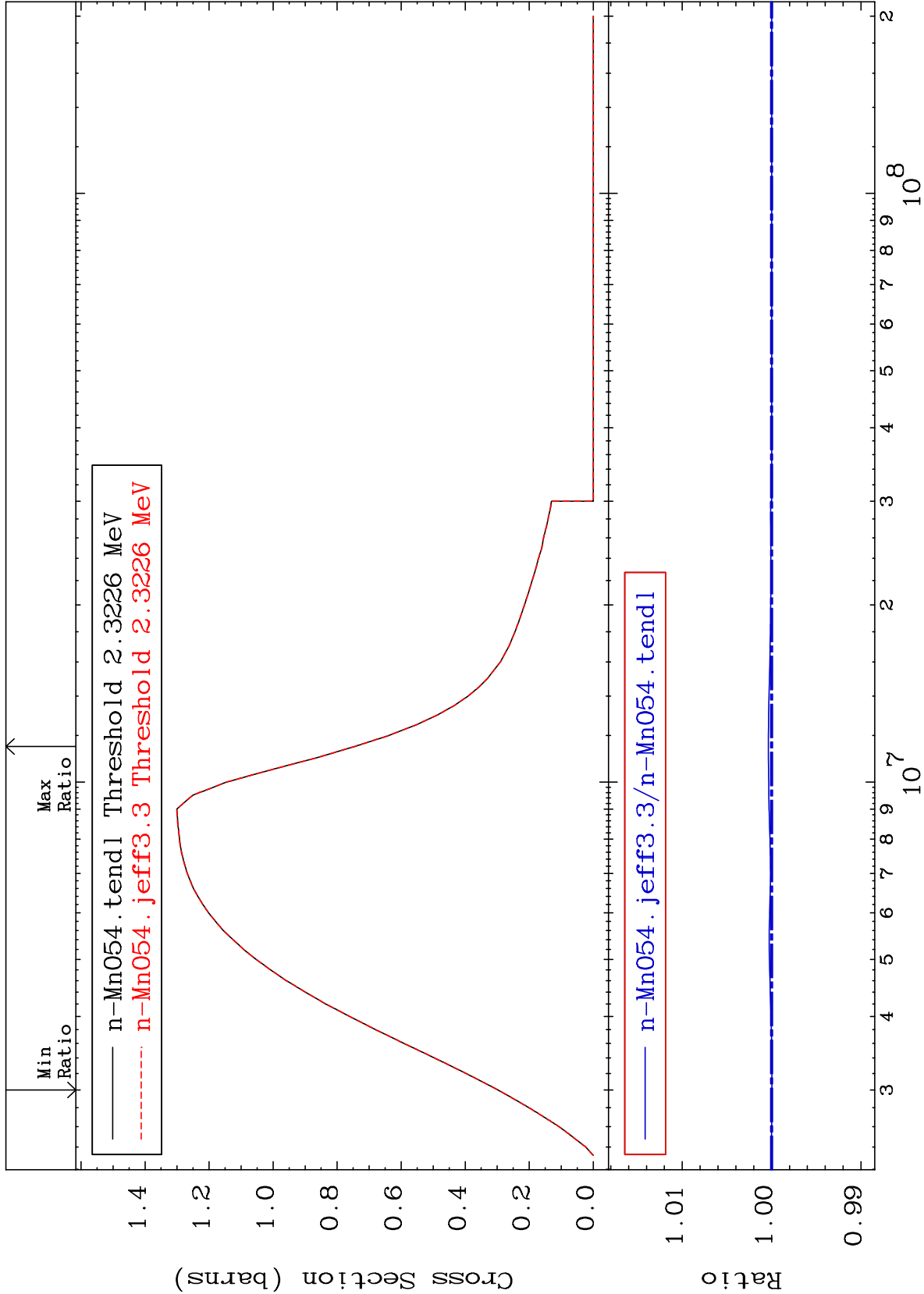
25-Mn-54
-0.002 To 1.066 %

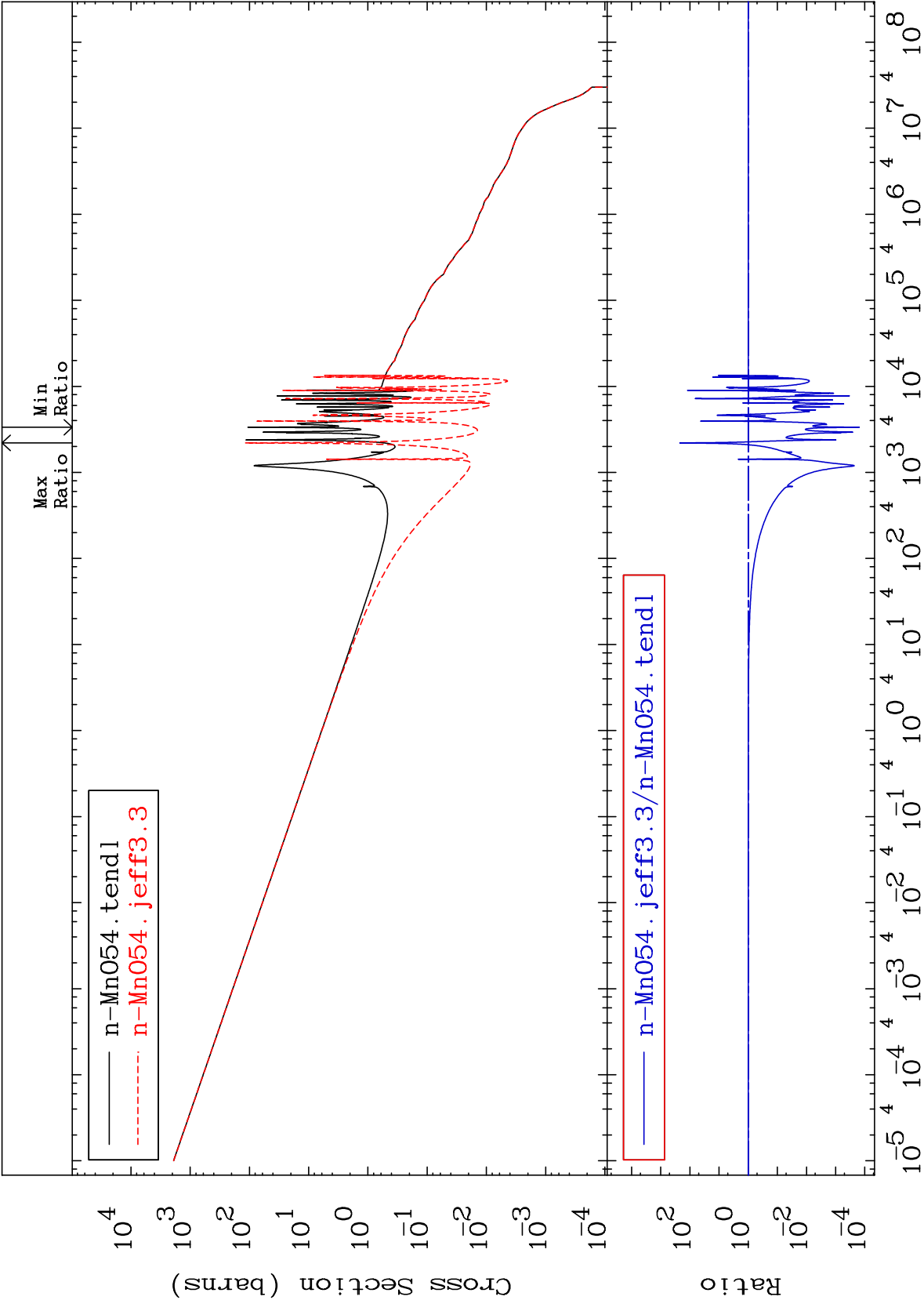


46

Incident Energy (eV)

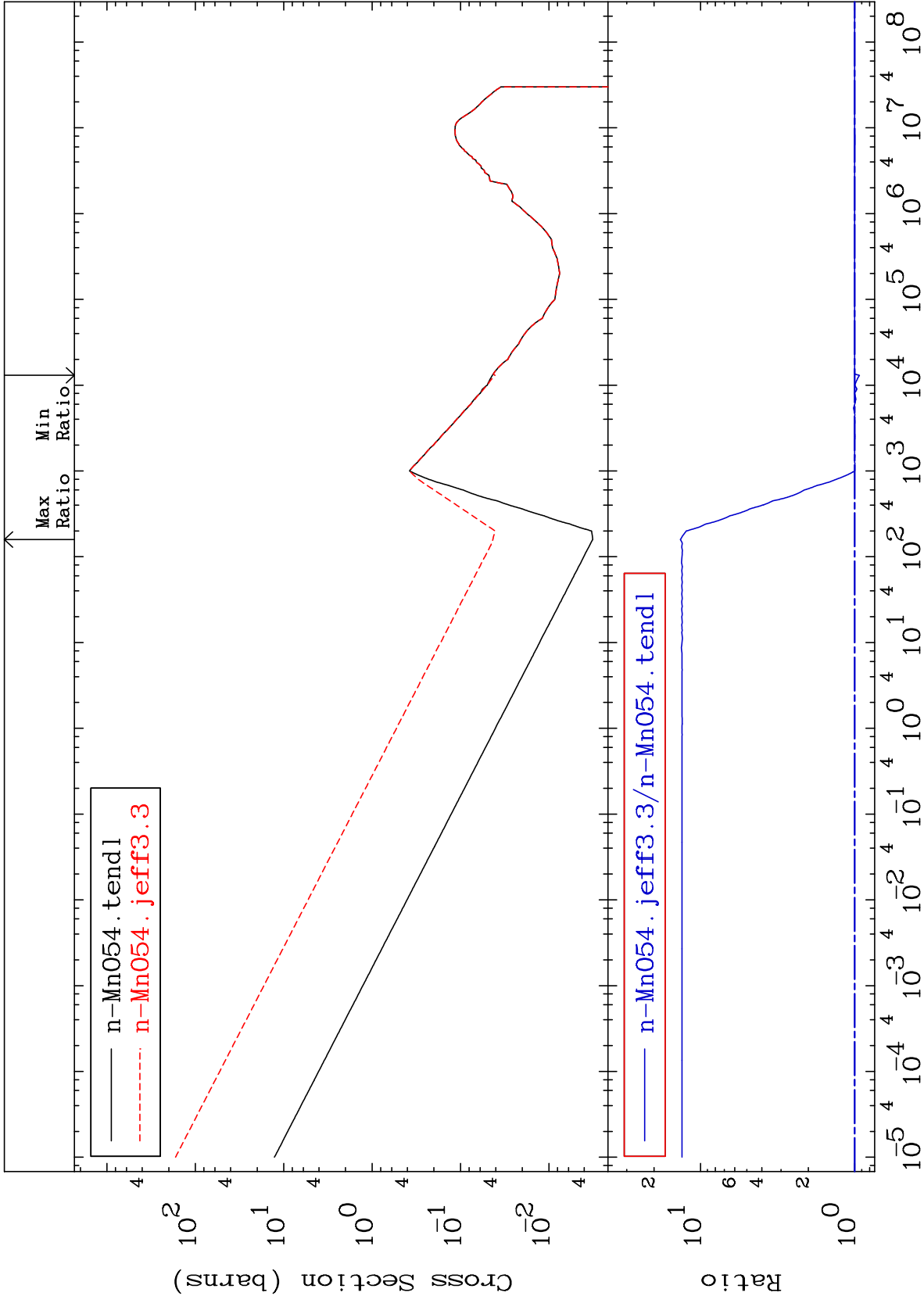
25-Mn-54

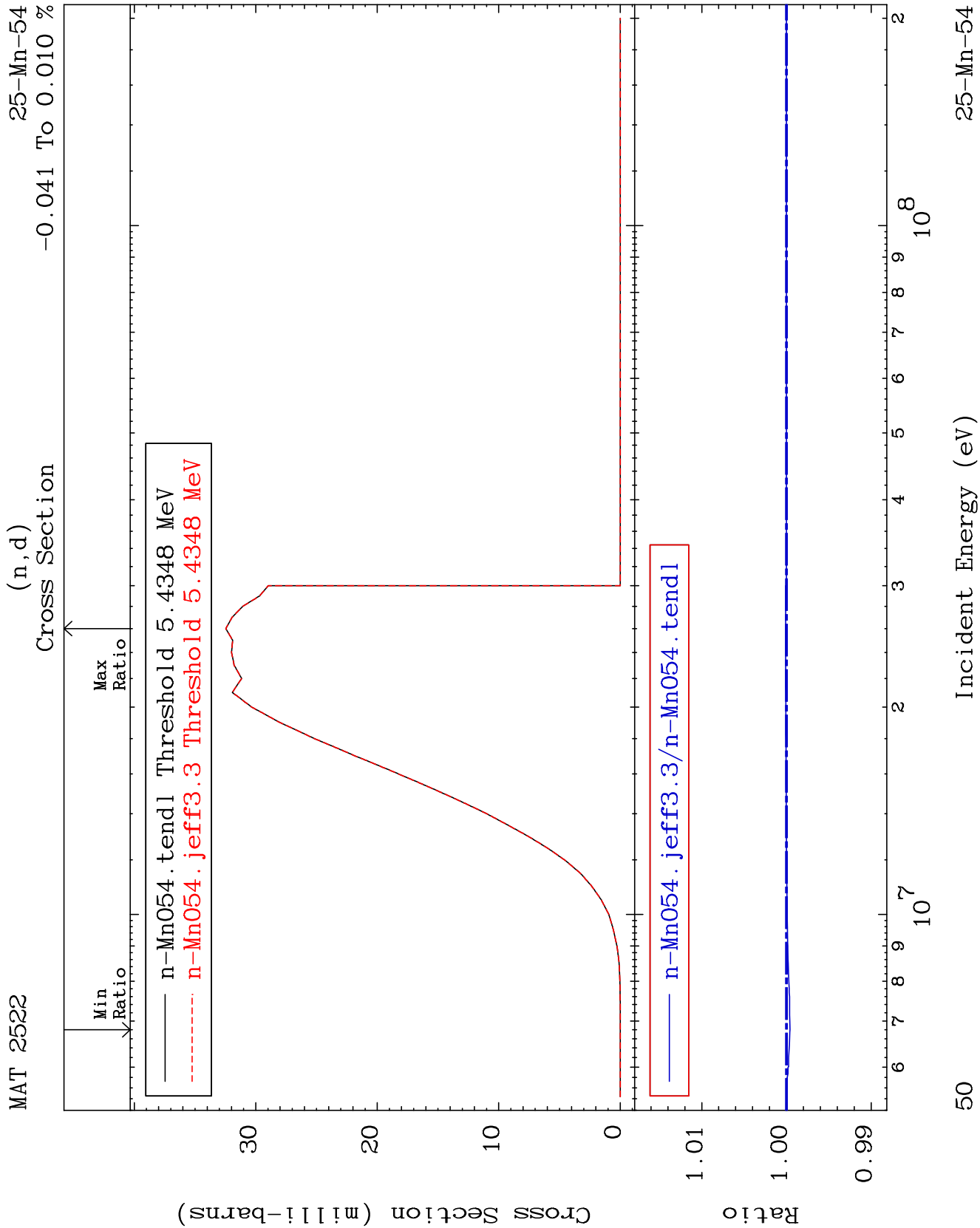


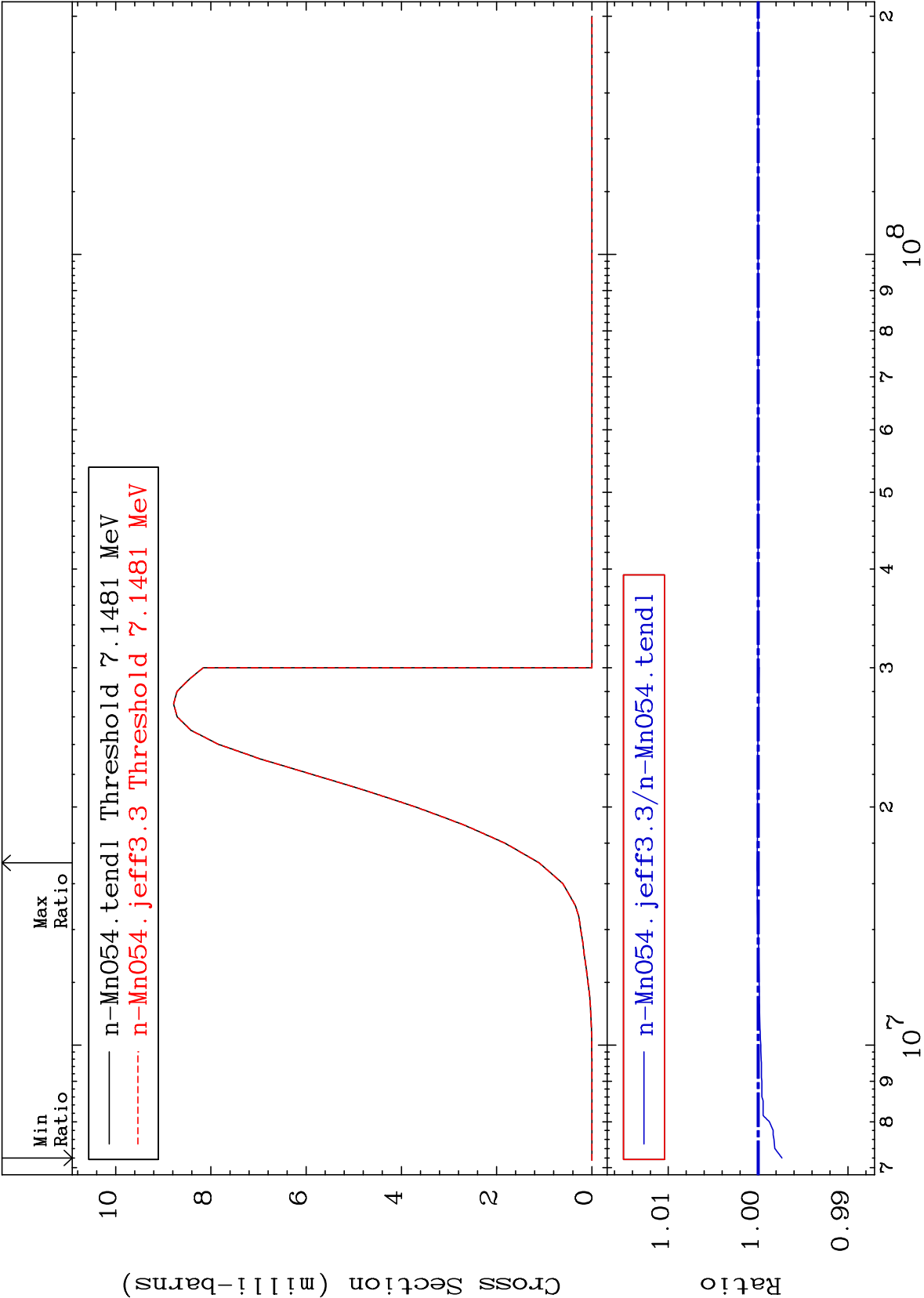


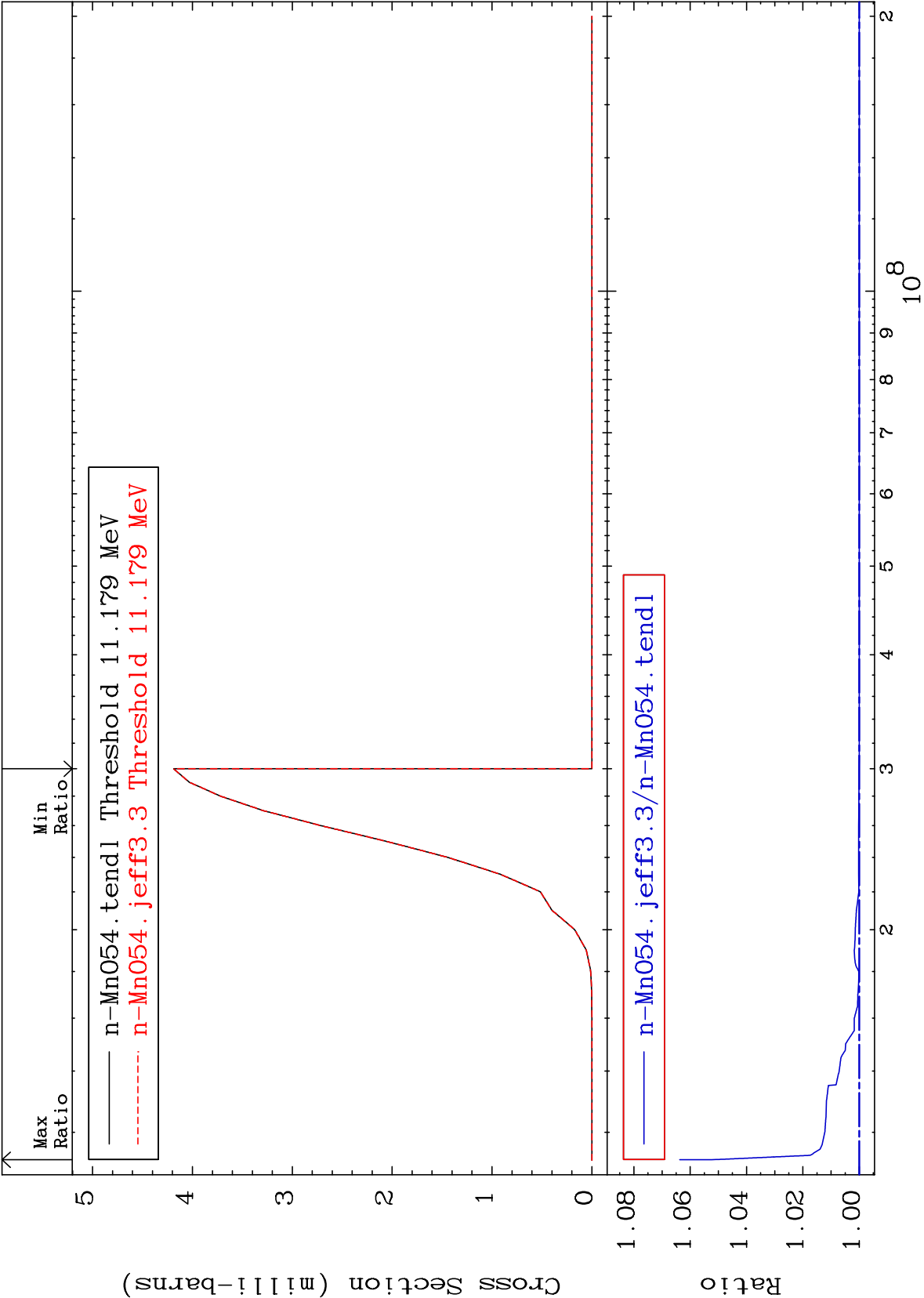
-6.774 To 1249. %

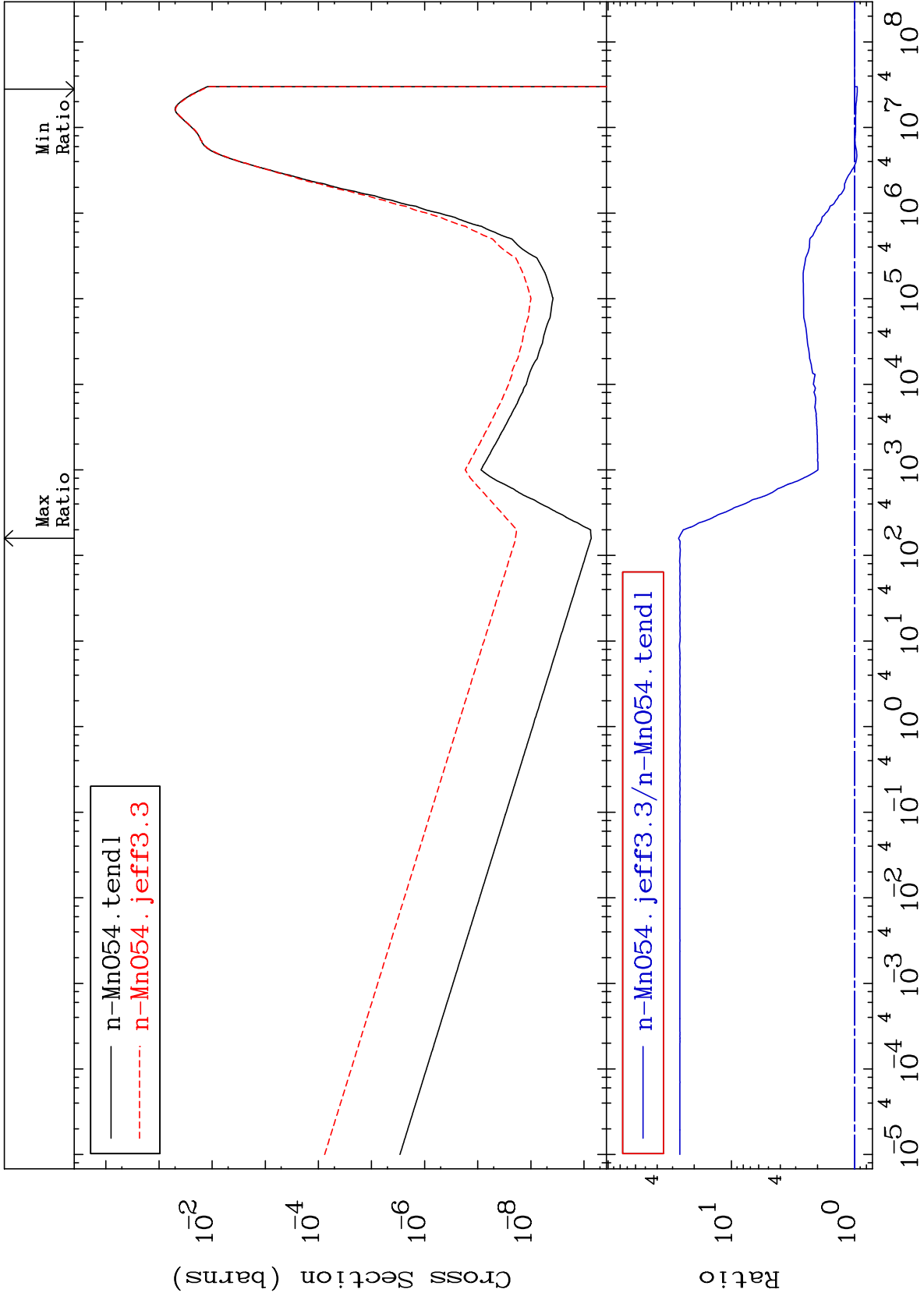
(n,p)
Cross Section

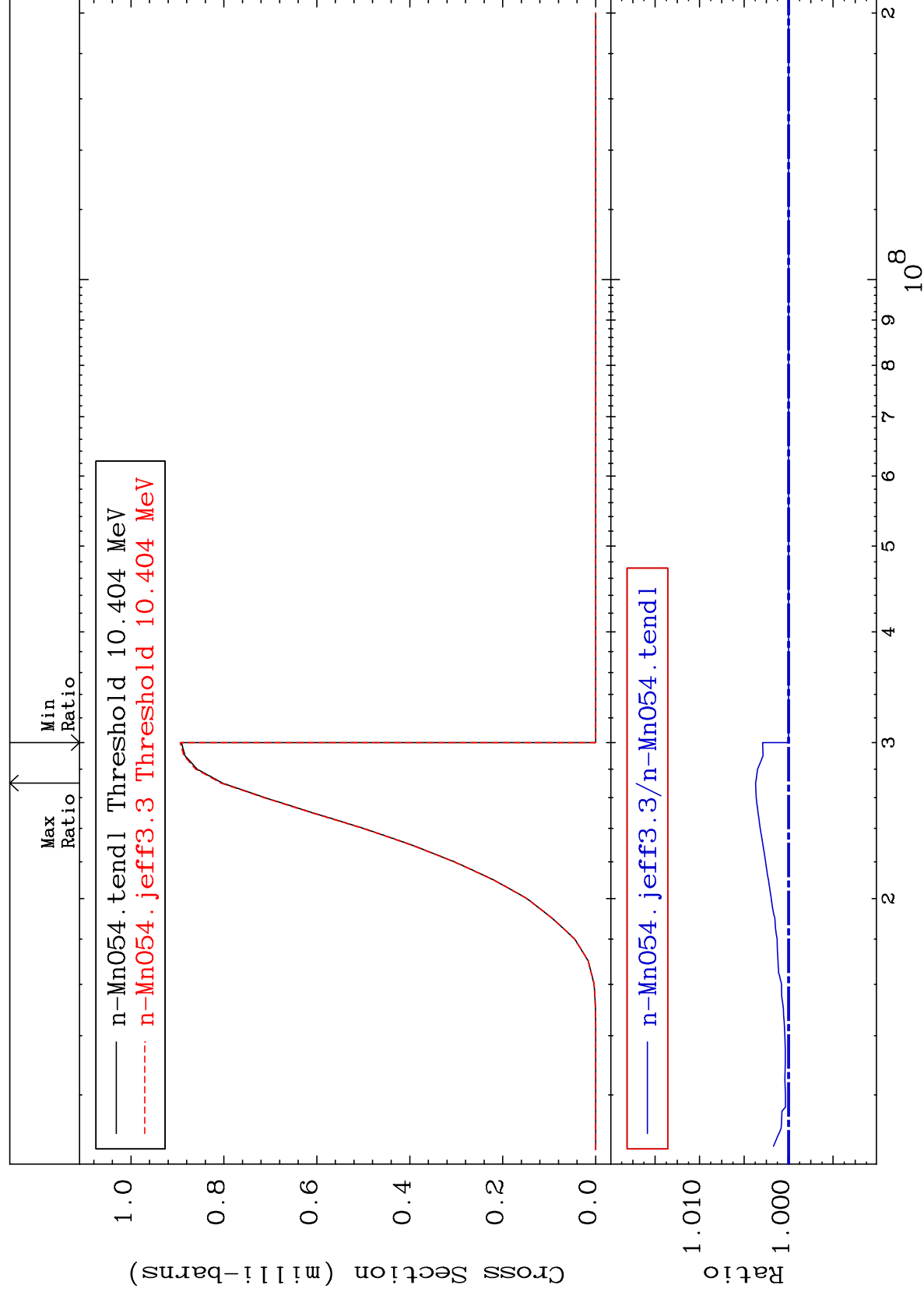


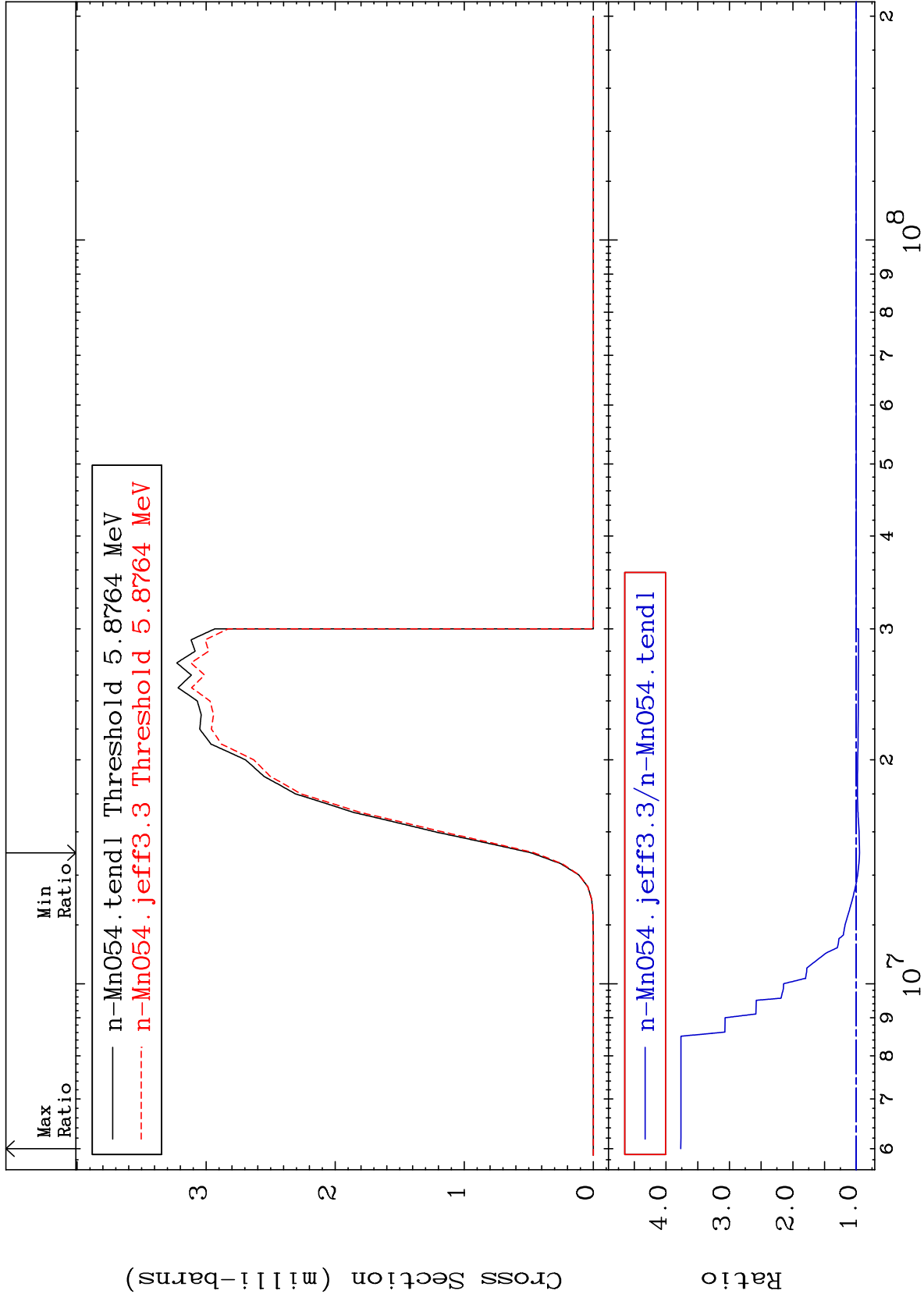


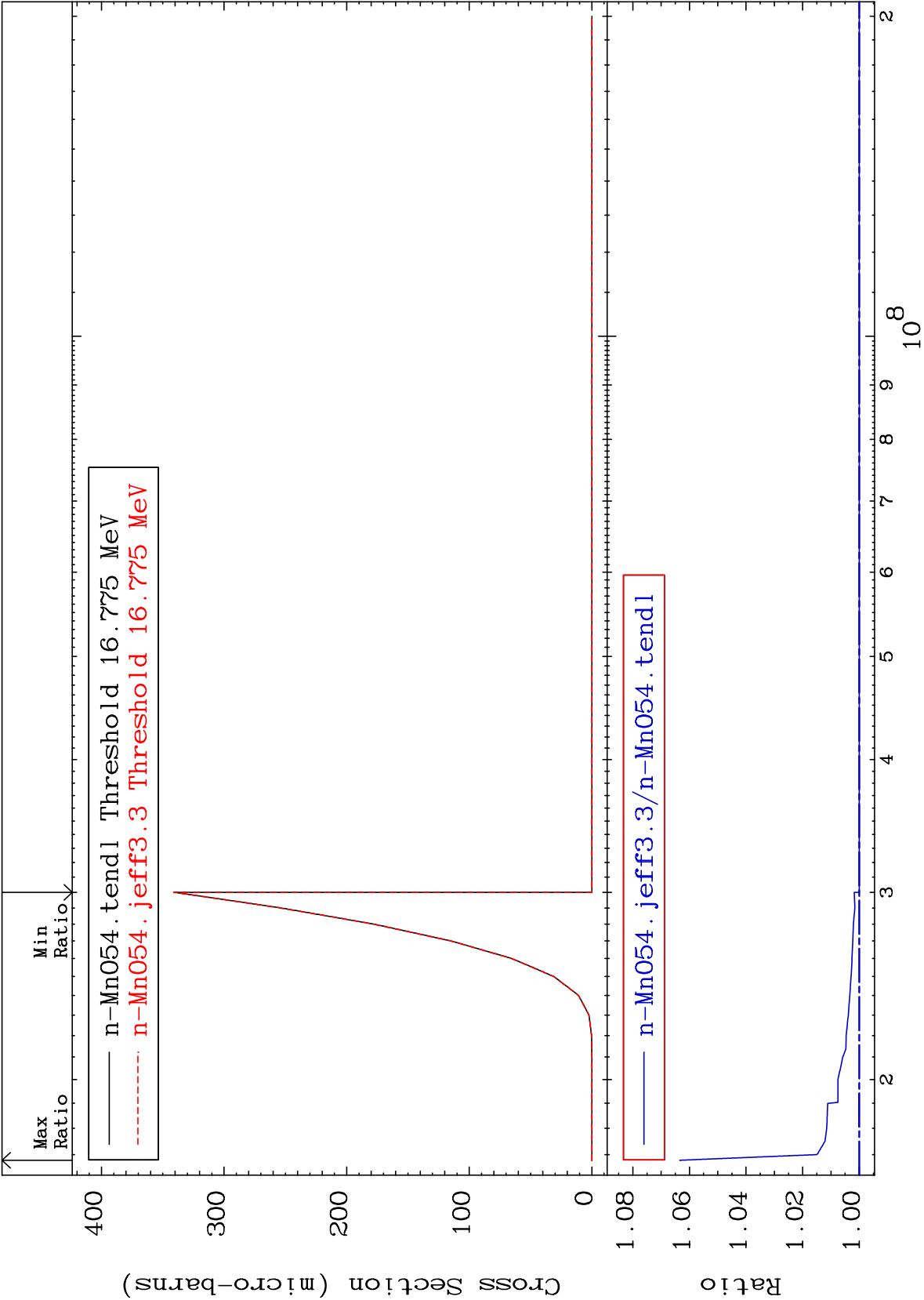


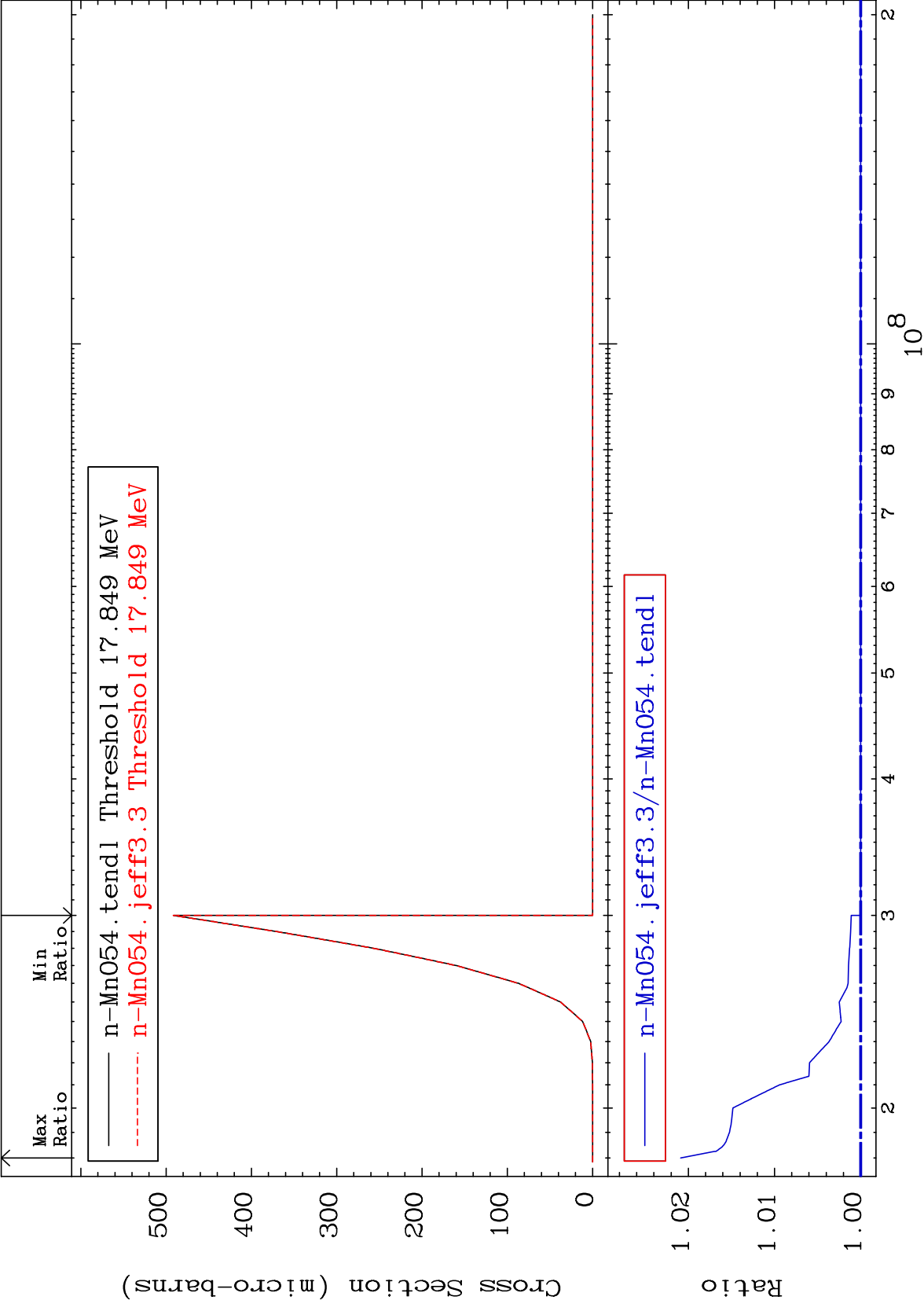


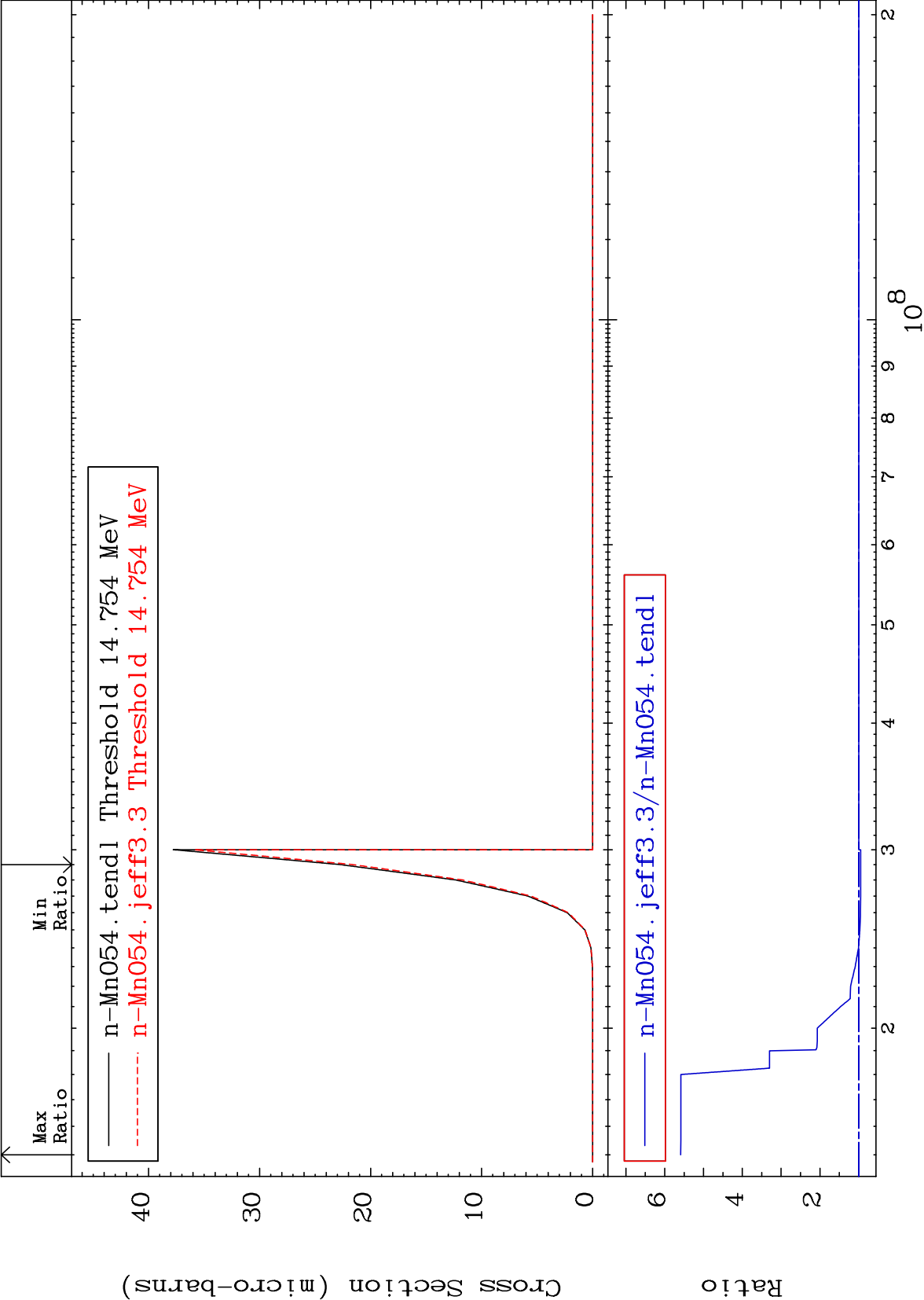


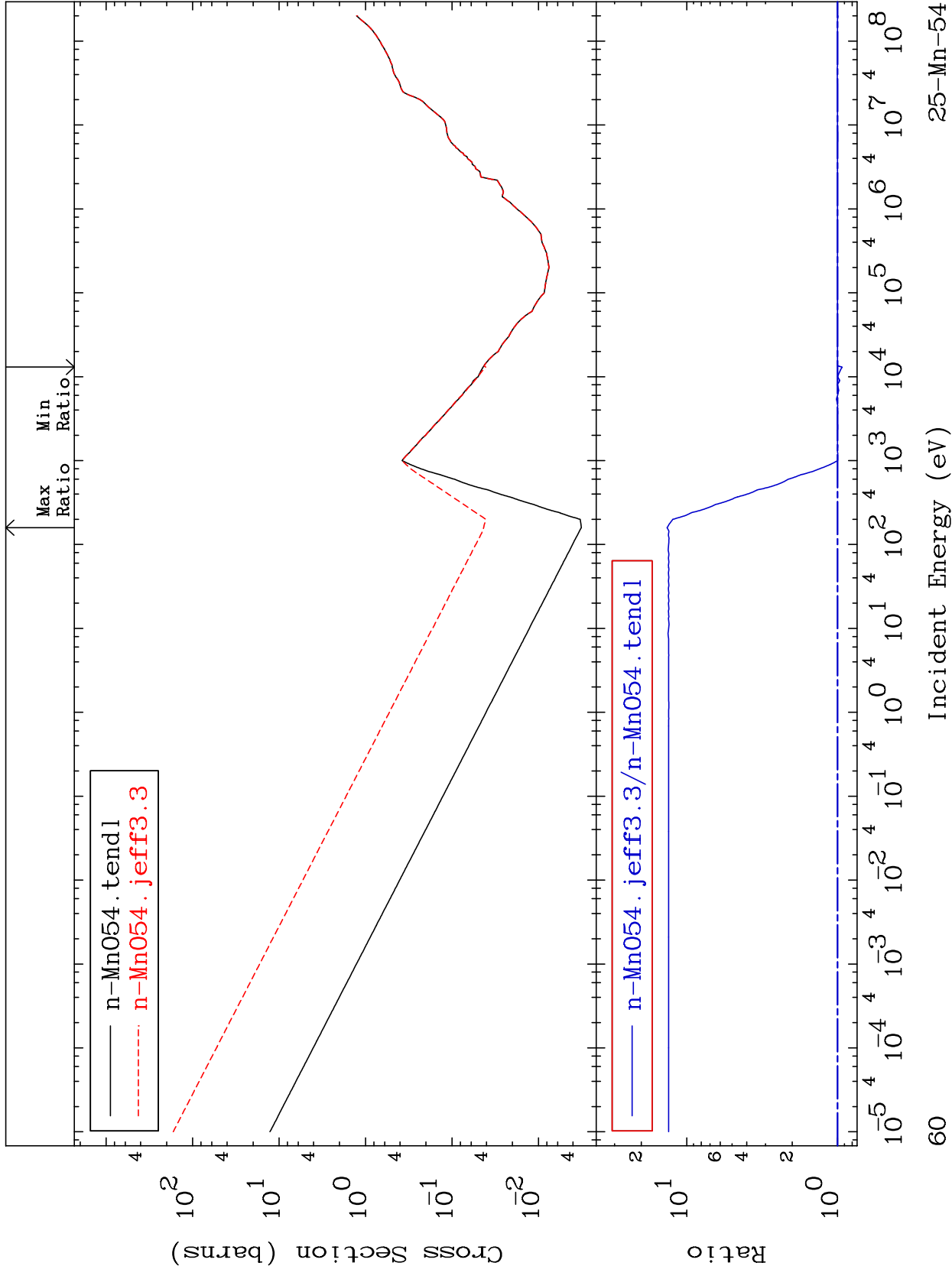


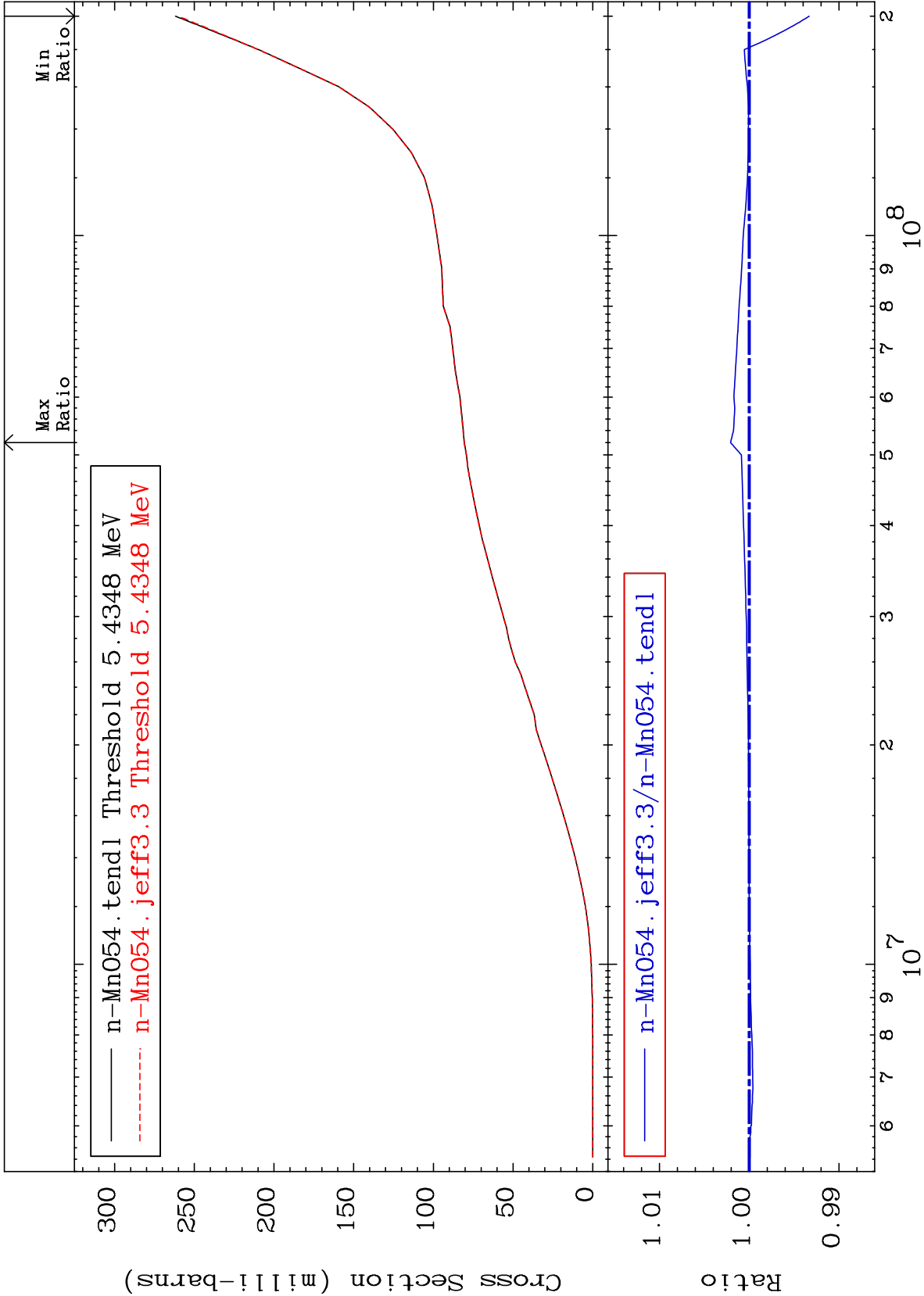








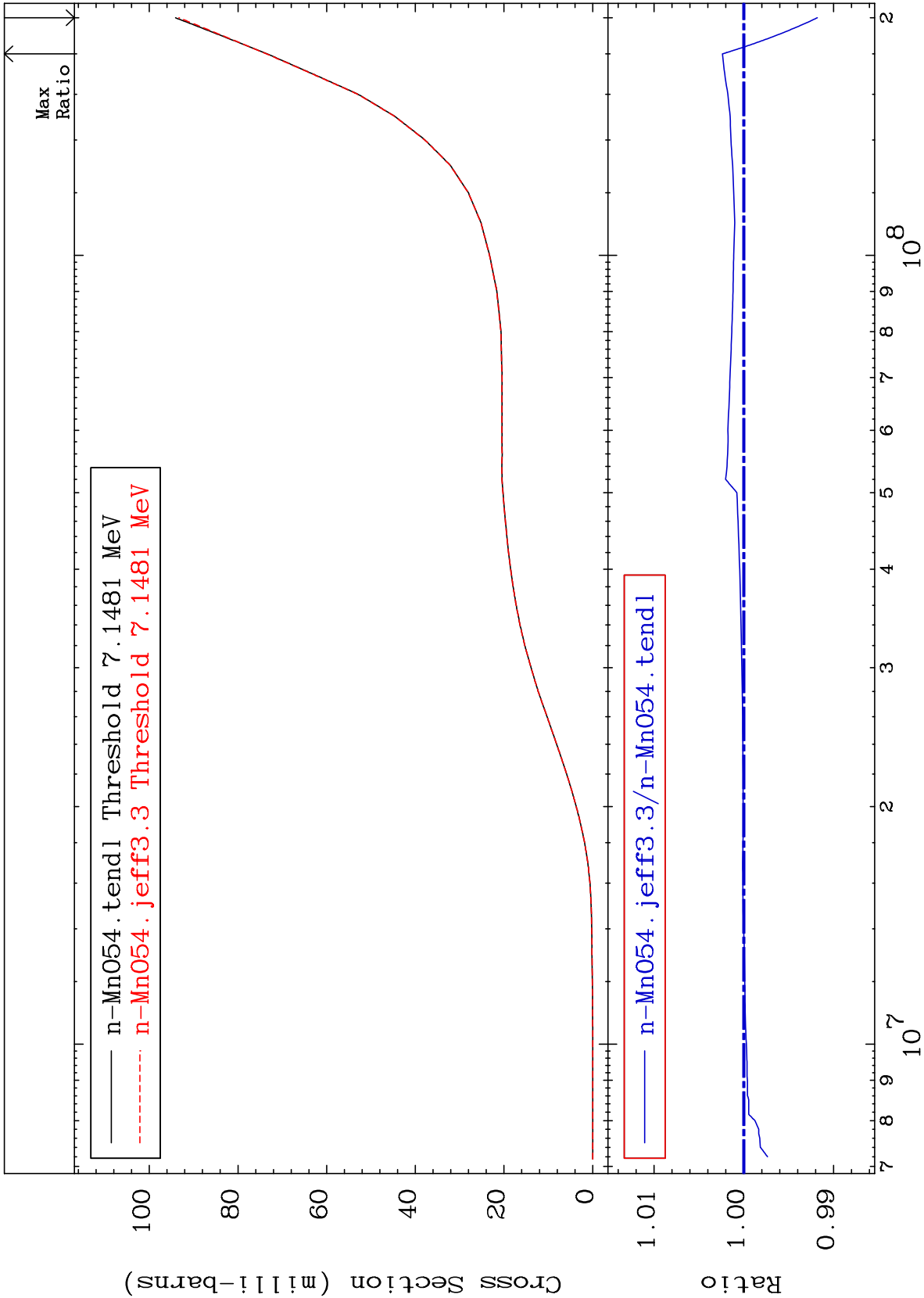




MAT 2522

Tritium Production
Cross Section

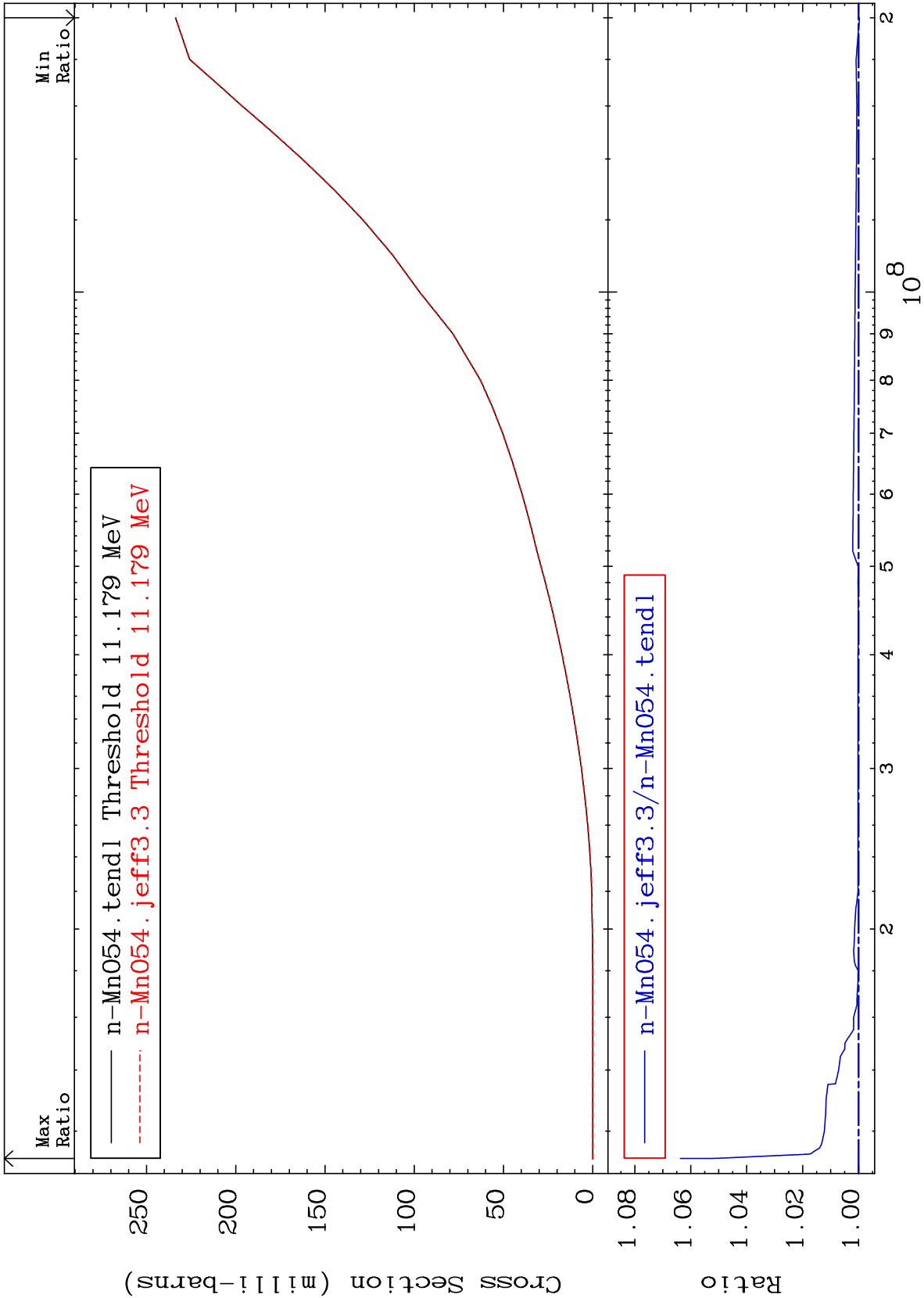
25-Mn-54
-0.819 To 0.238 %

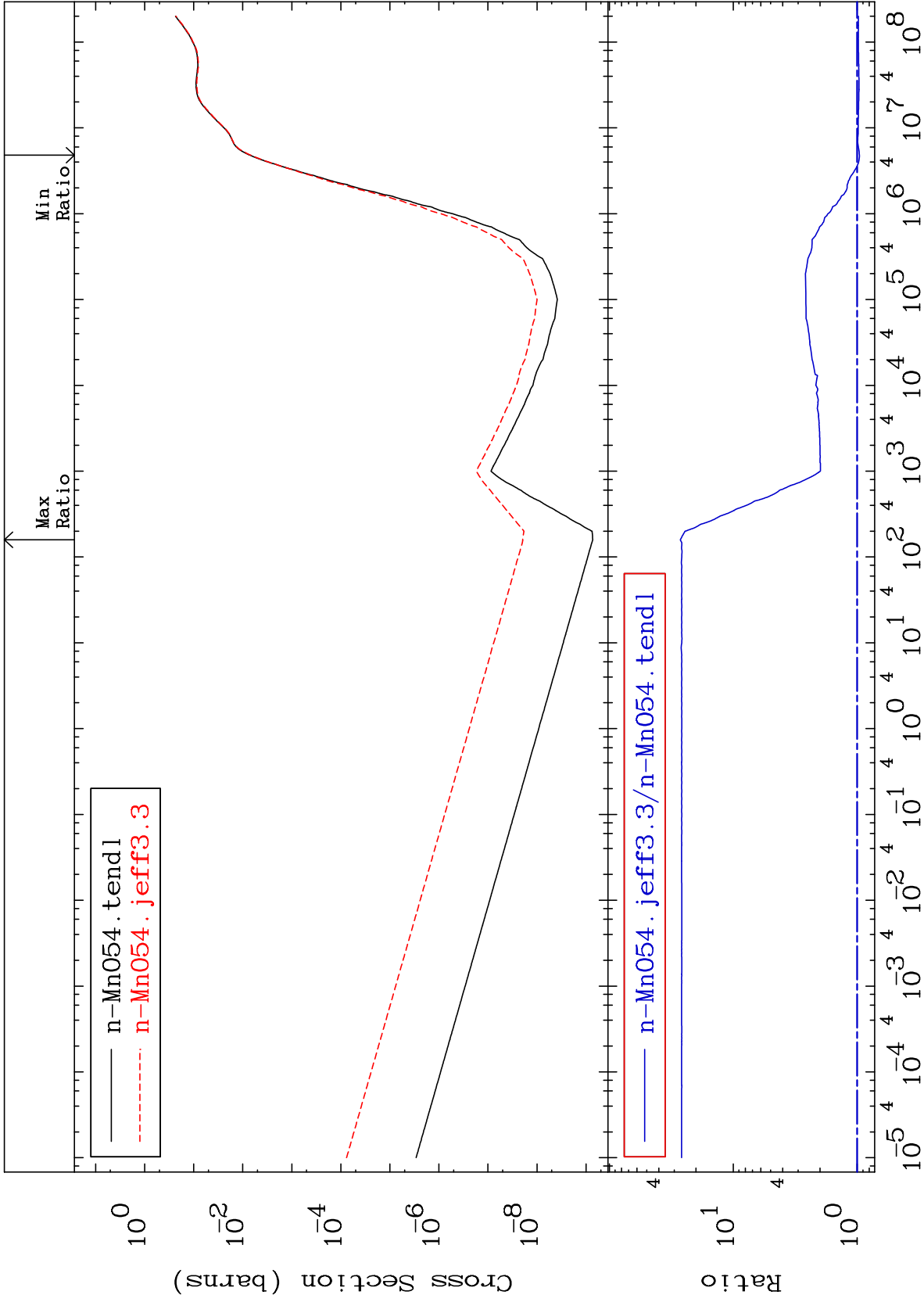


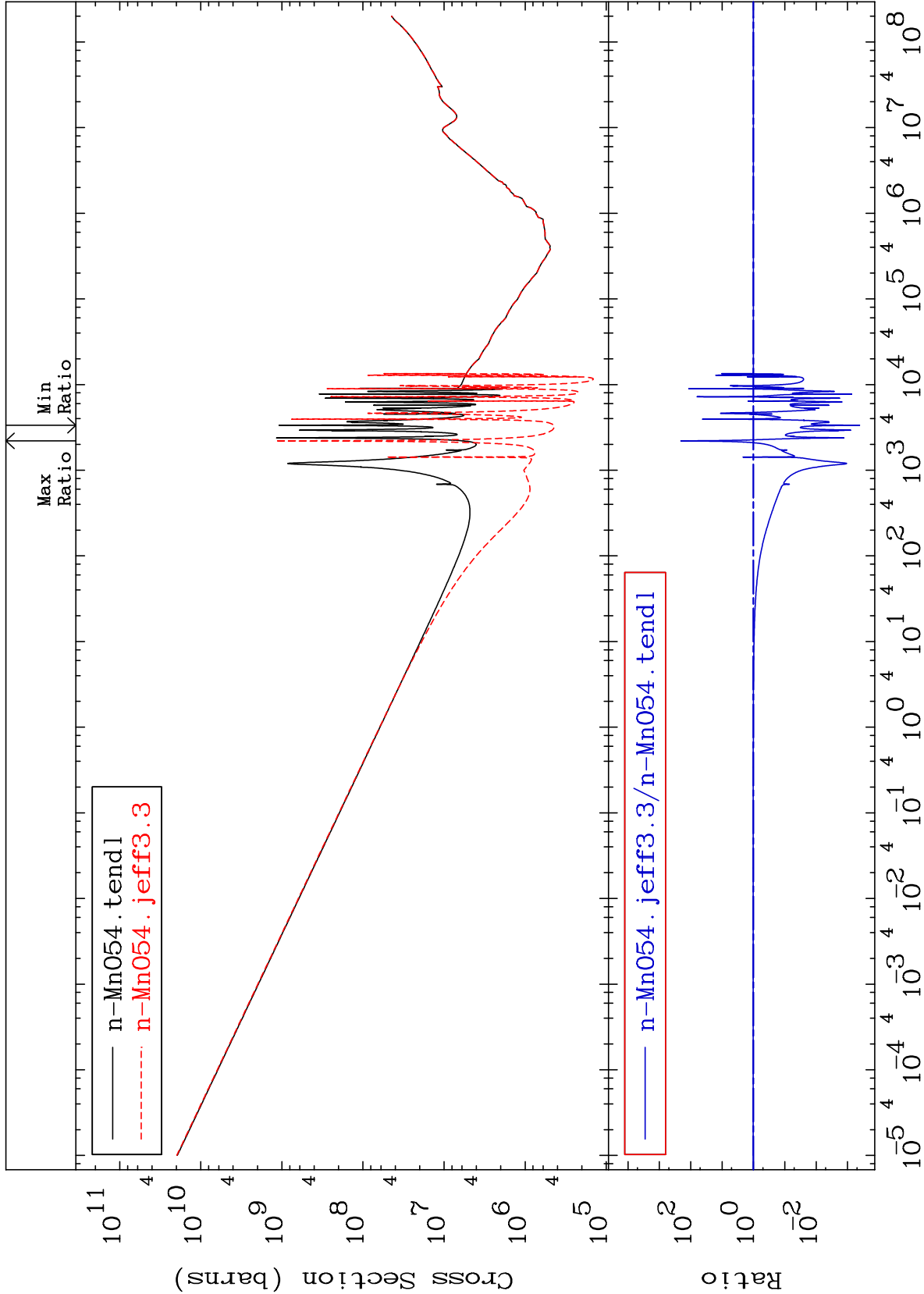
62

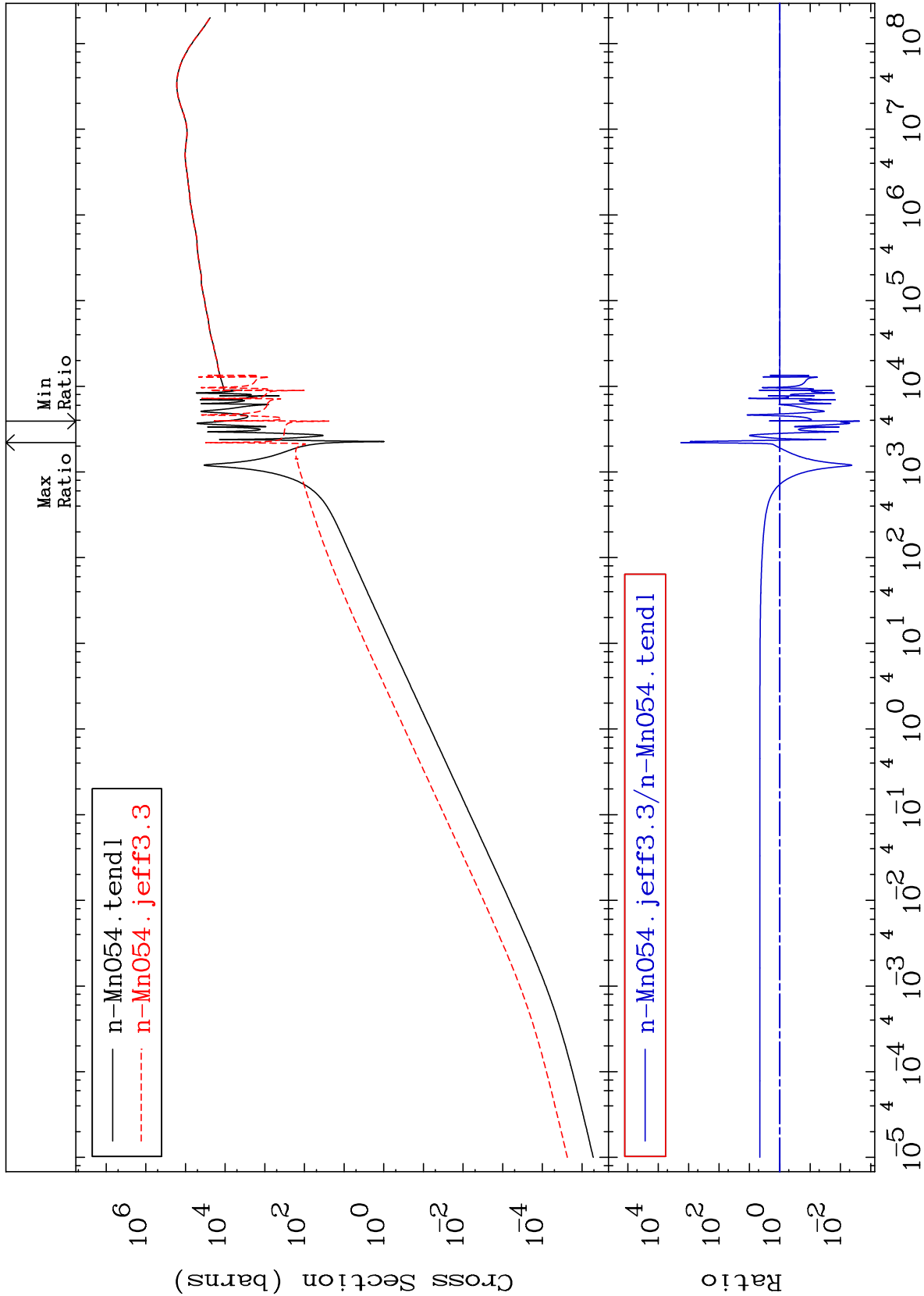
Incident Energy (eV)

25-Mn-54



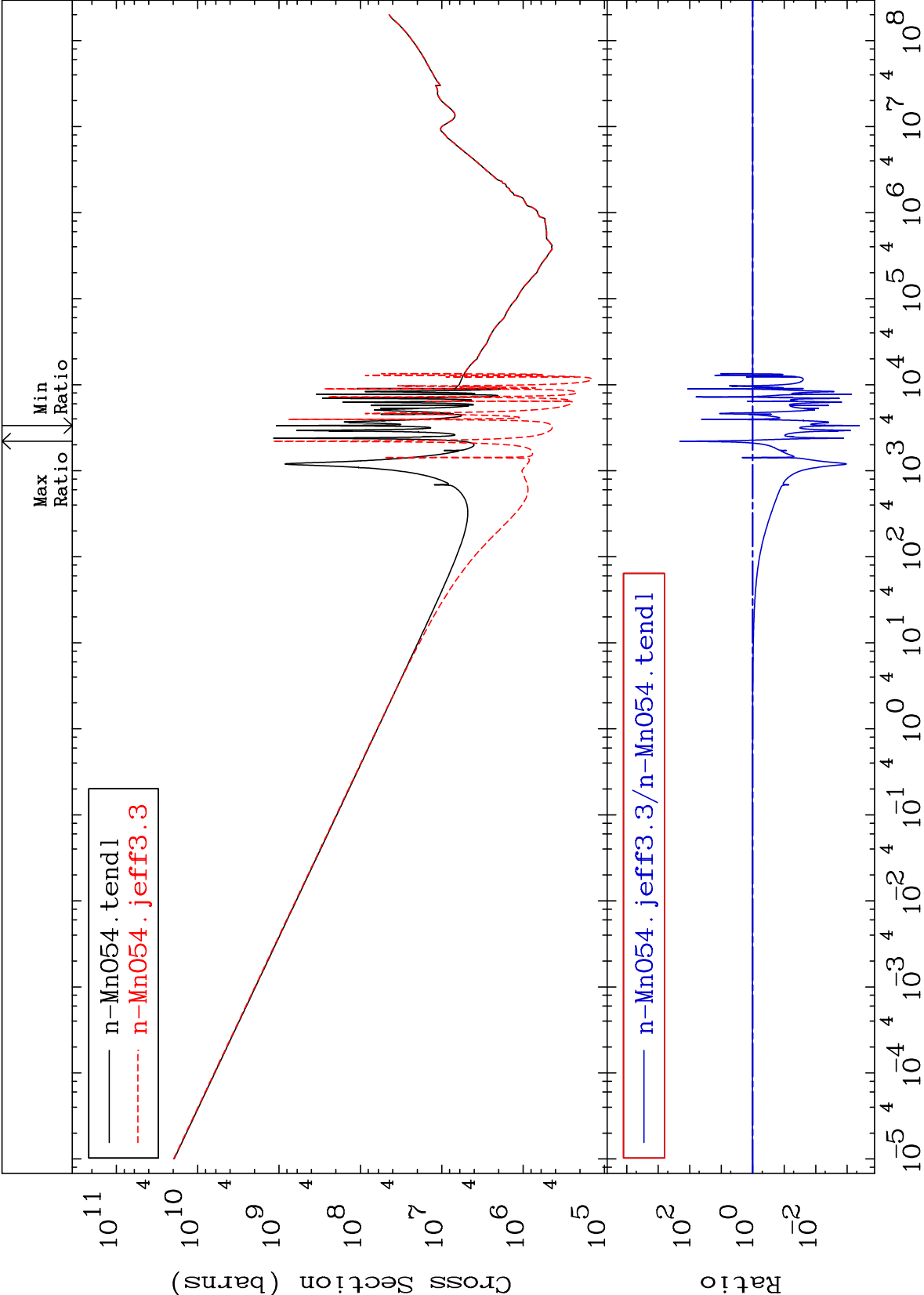






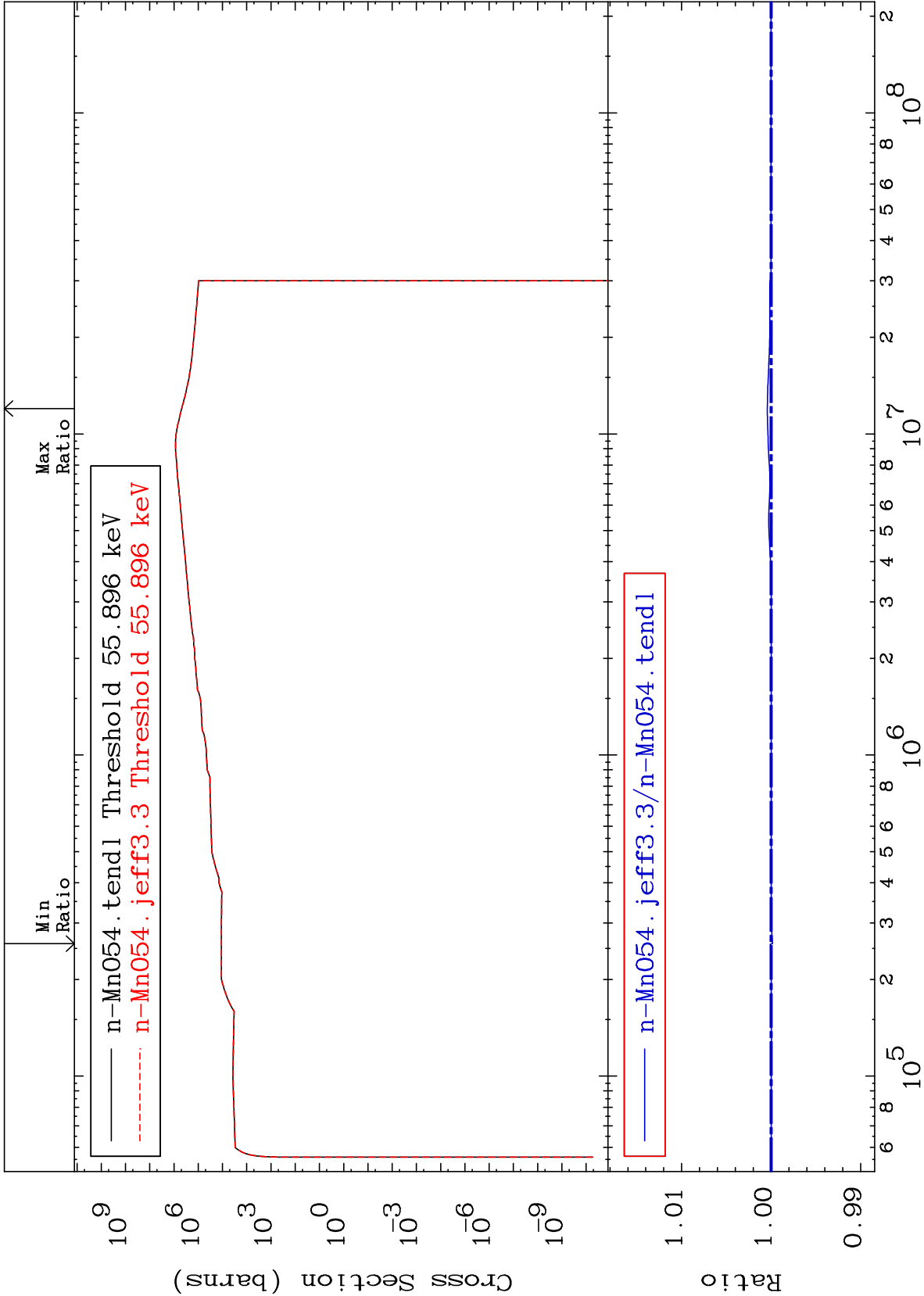
Cross Section

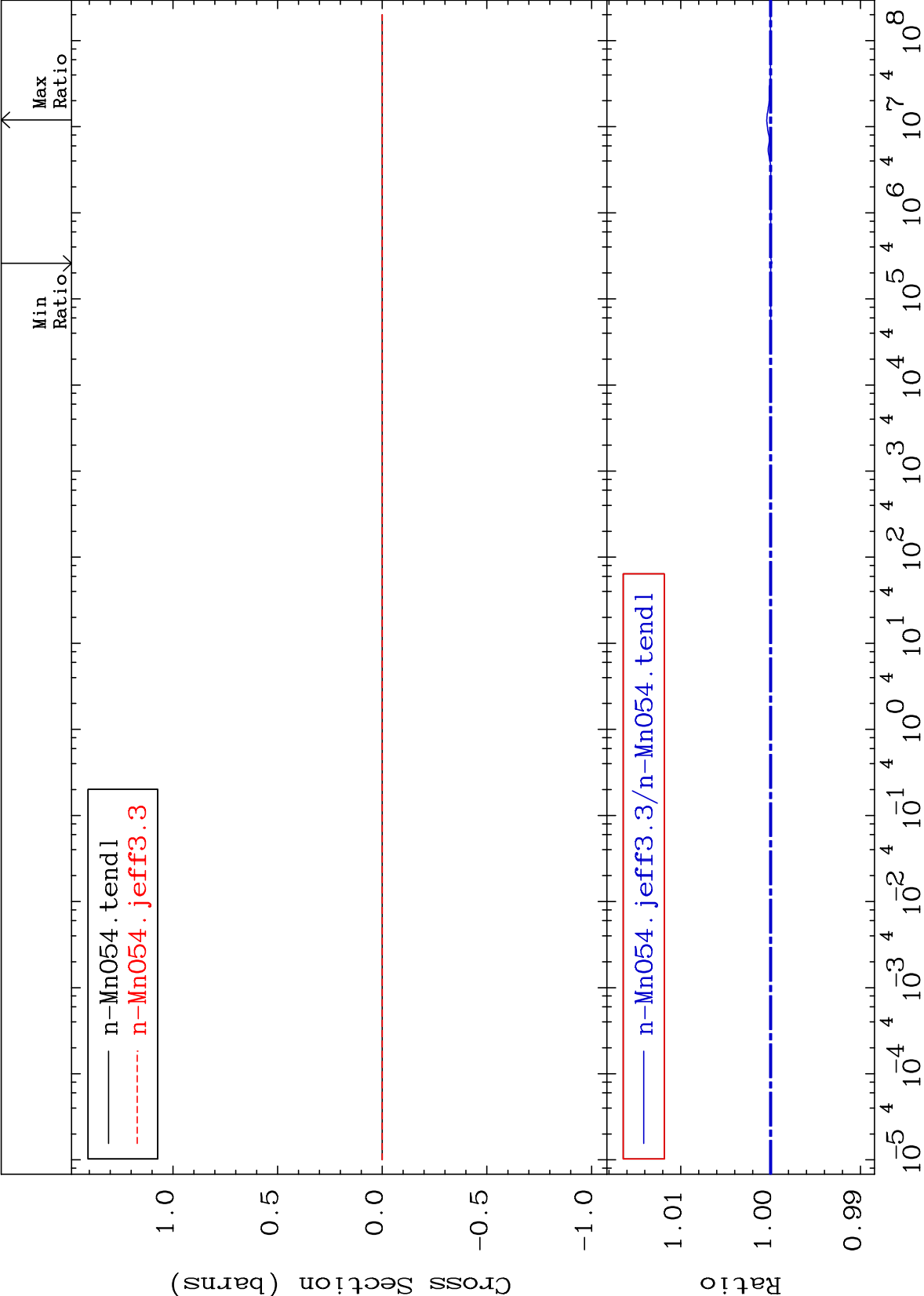
-99.96 To 9999. %

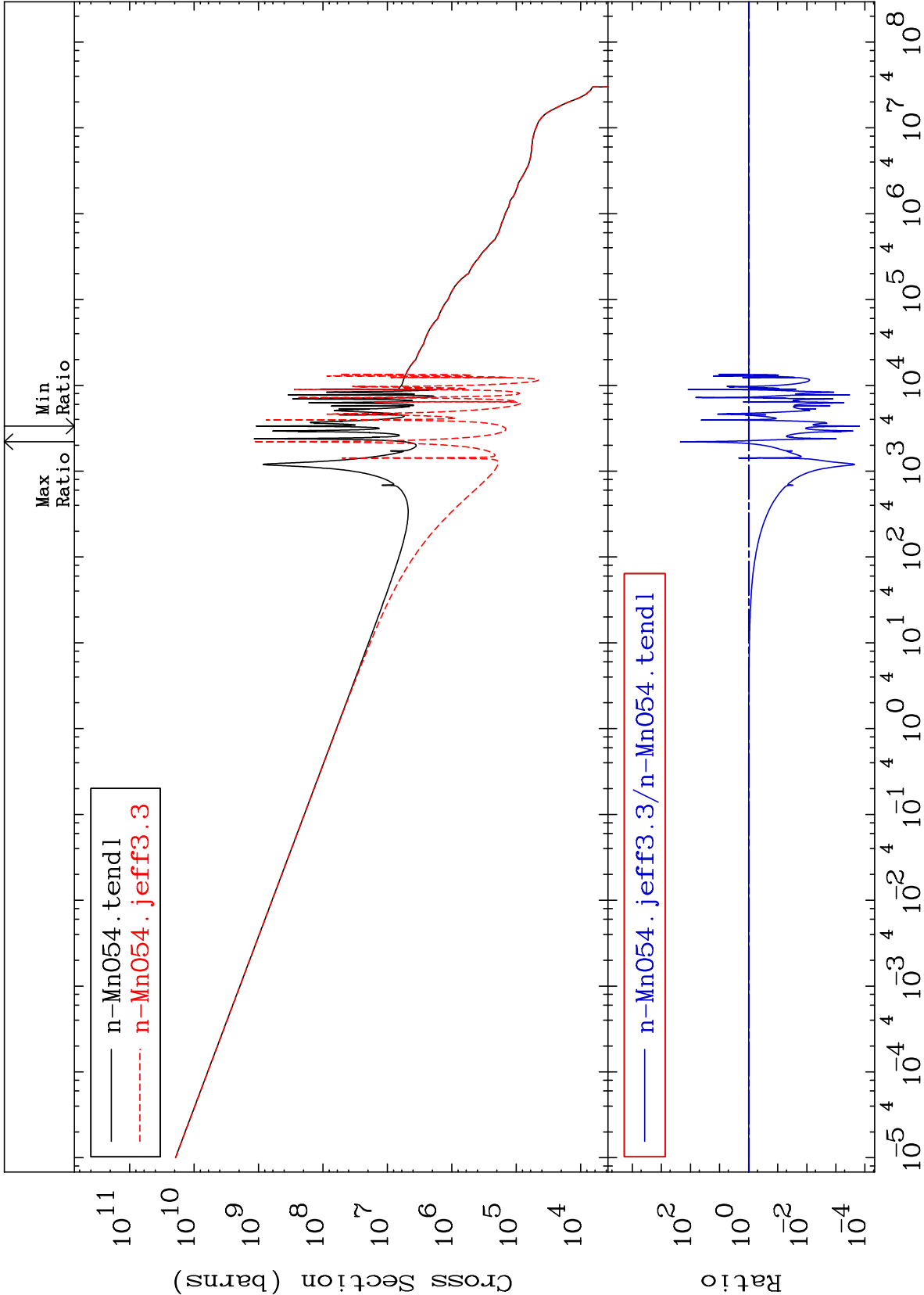


Cross Section

-0.015 To 0.042 %







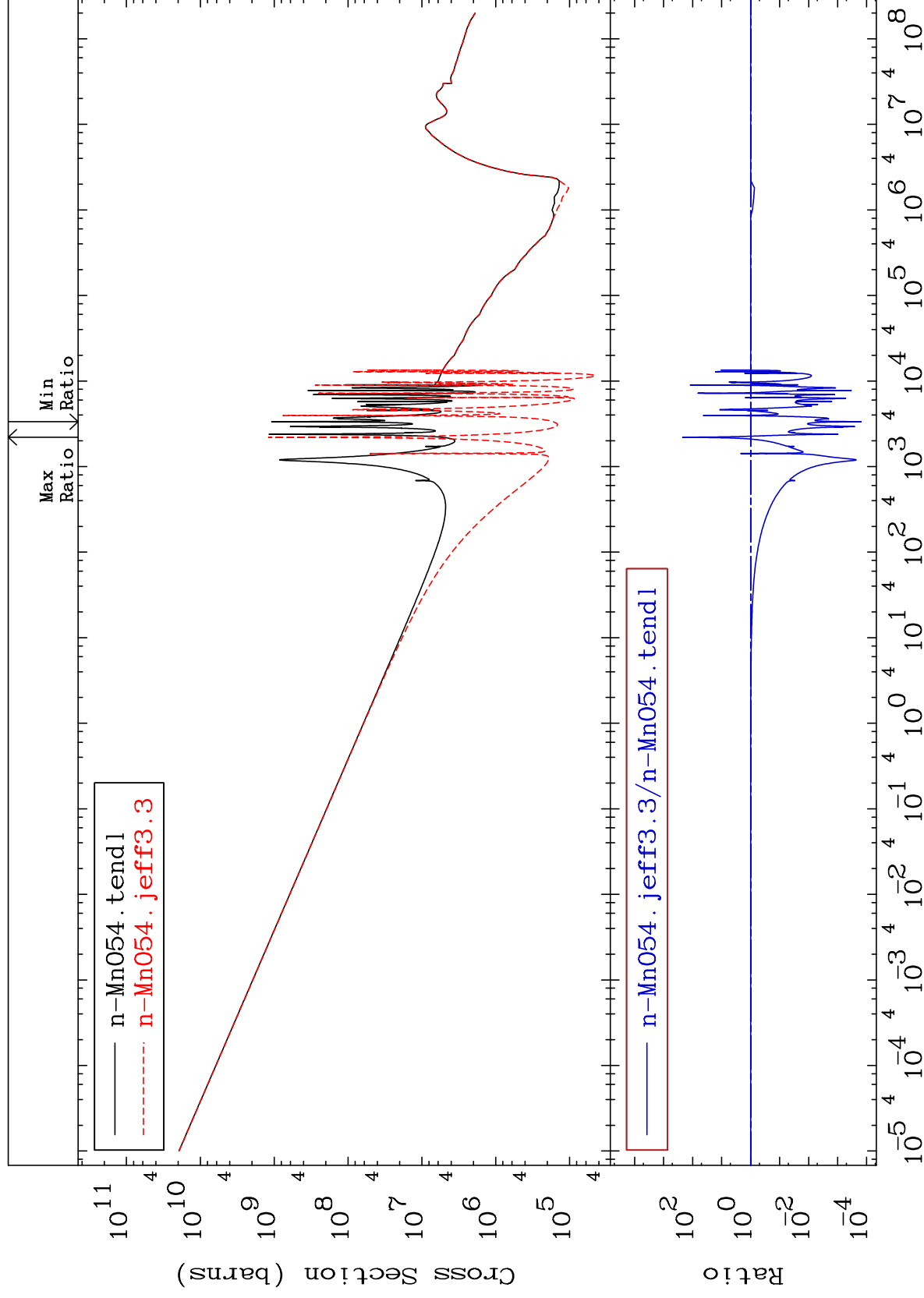
MAT 2522

Total photon (eV-barns)

25-Mn-54

Cross Section

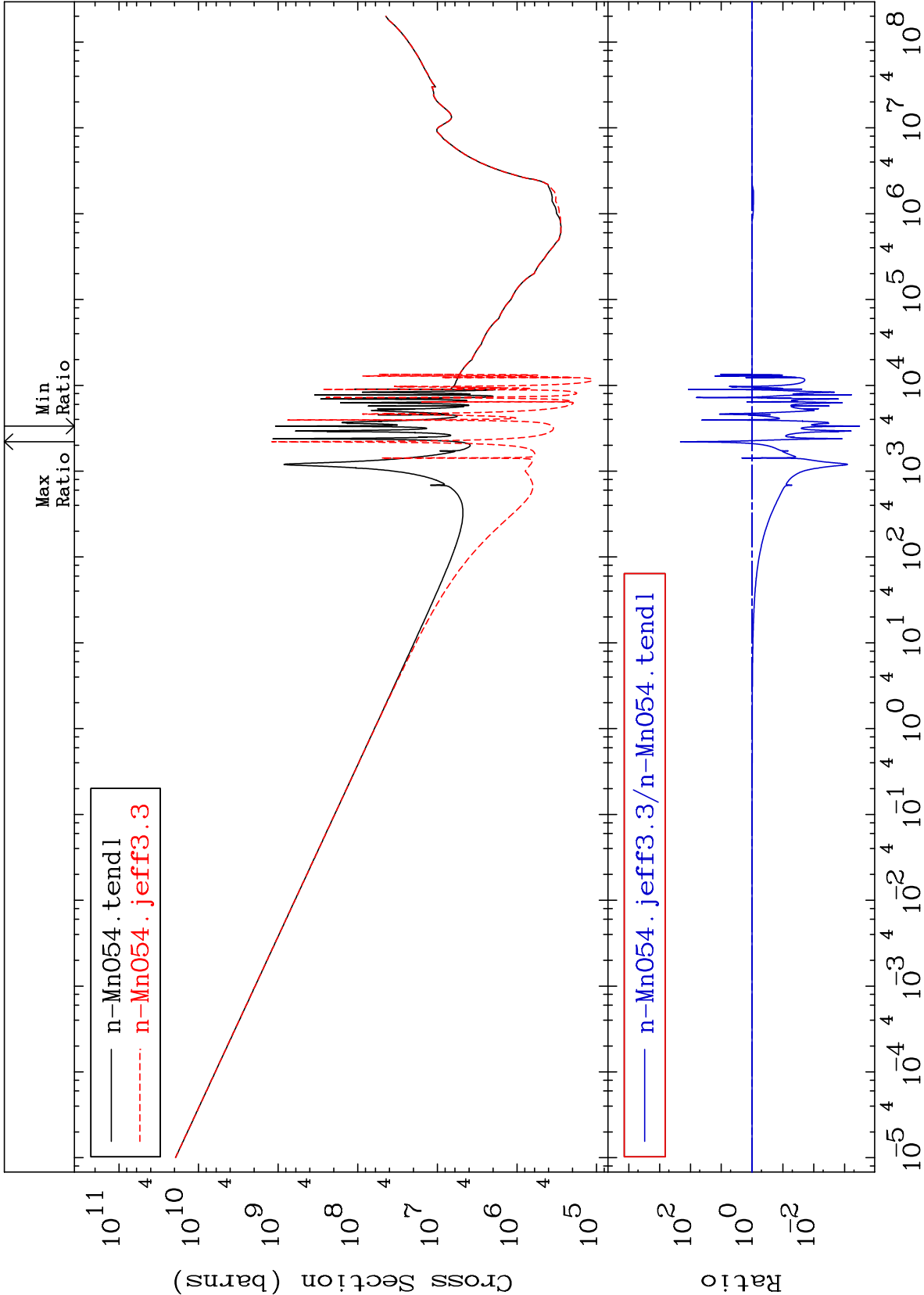
-99.98 To 99.99. %



12

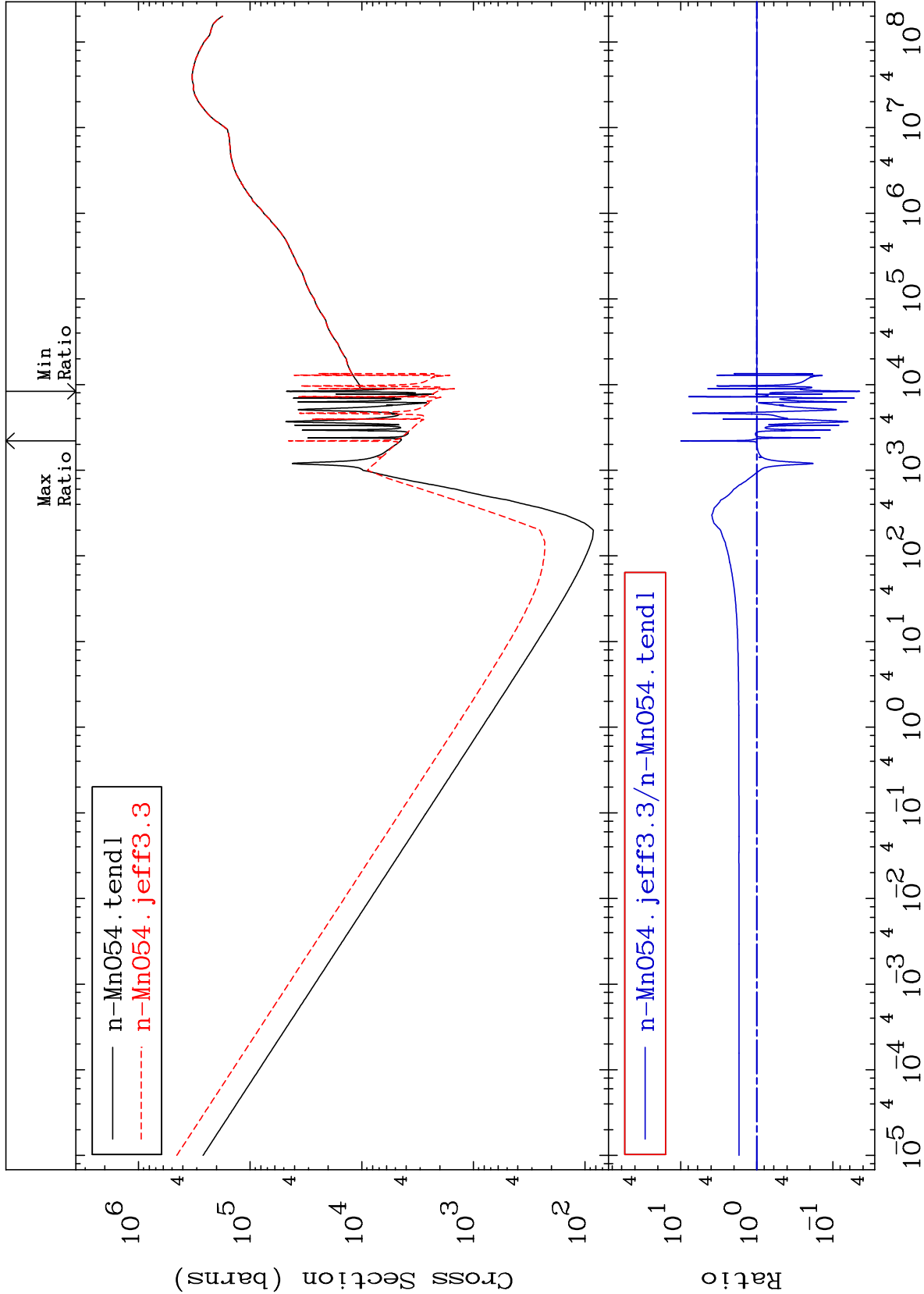
Incident Energy (eV)

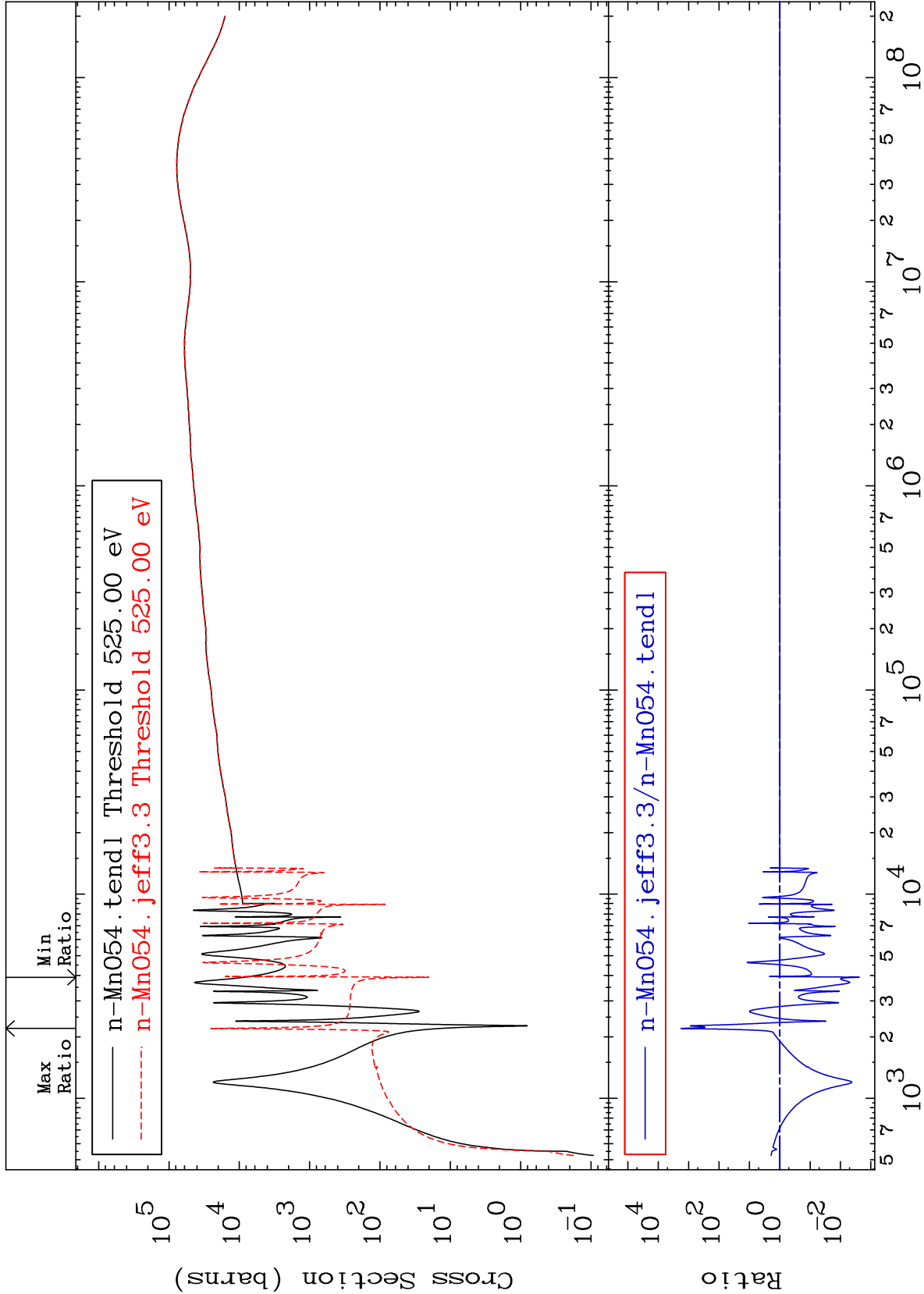
25-Mn-54



Cross Section

-95.55 To 900.7 %





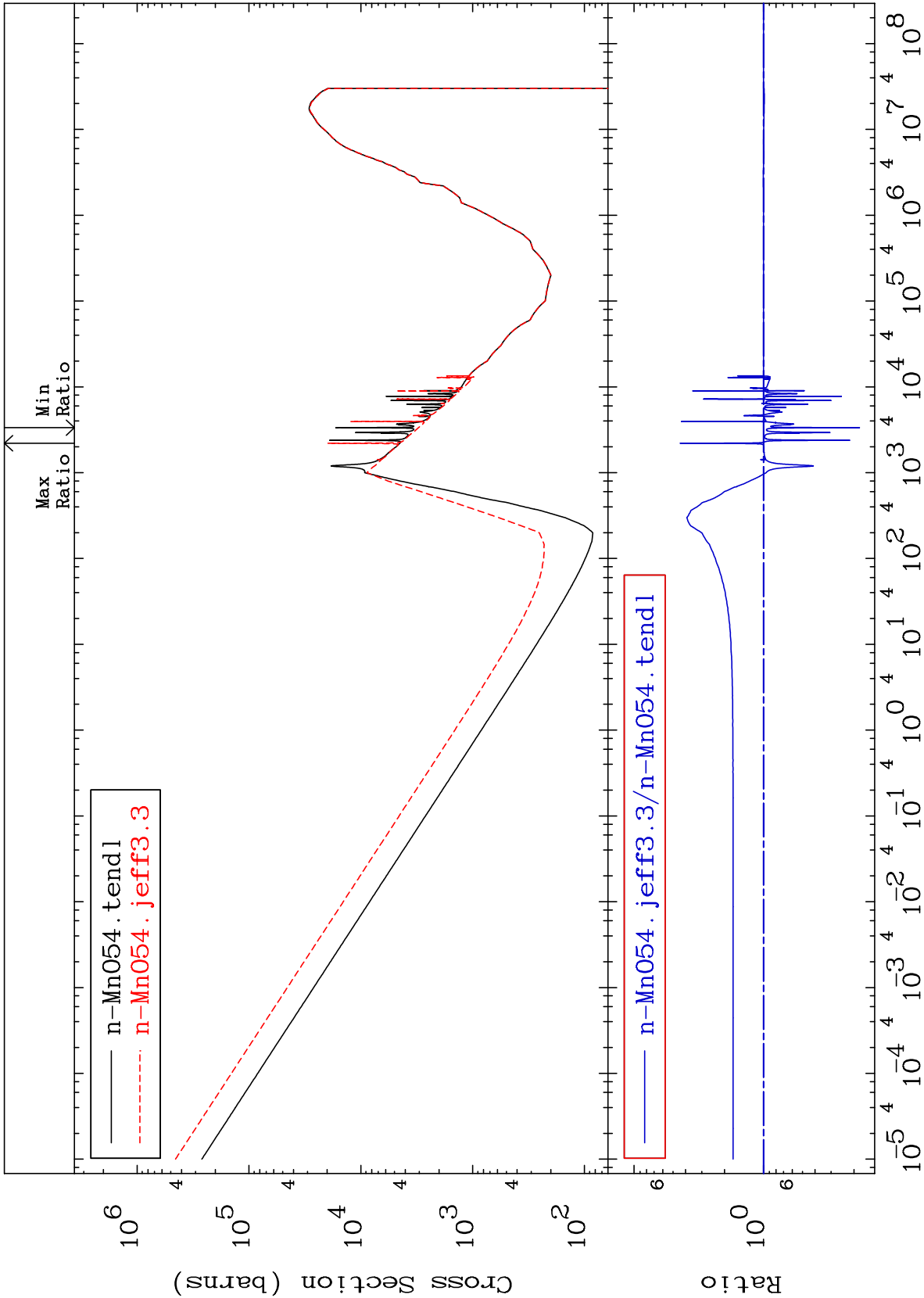
MAT 2522

Dpa disappearance (mt102 -120)

25-Mn-54

-81.87 To 338.9 %

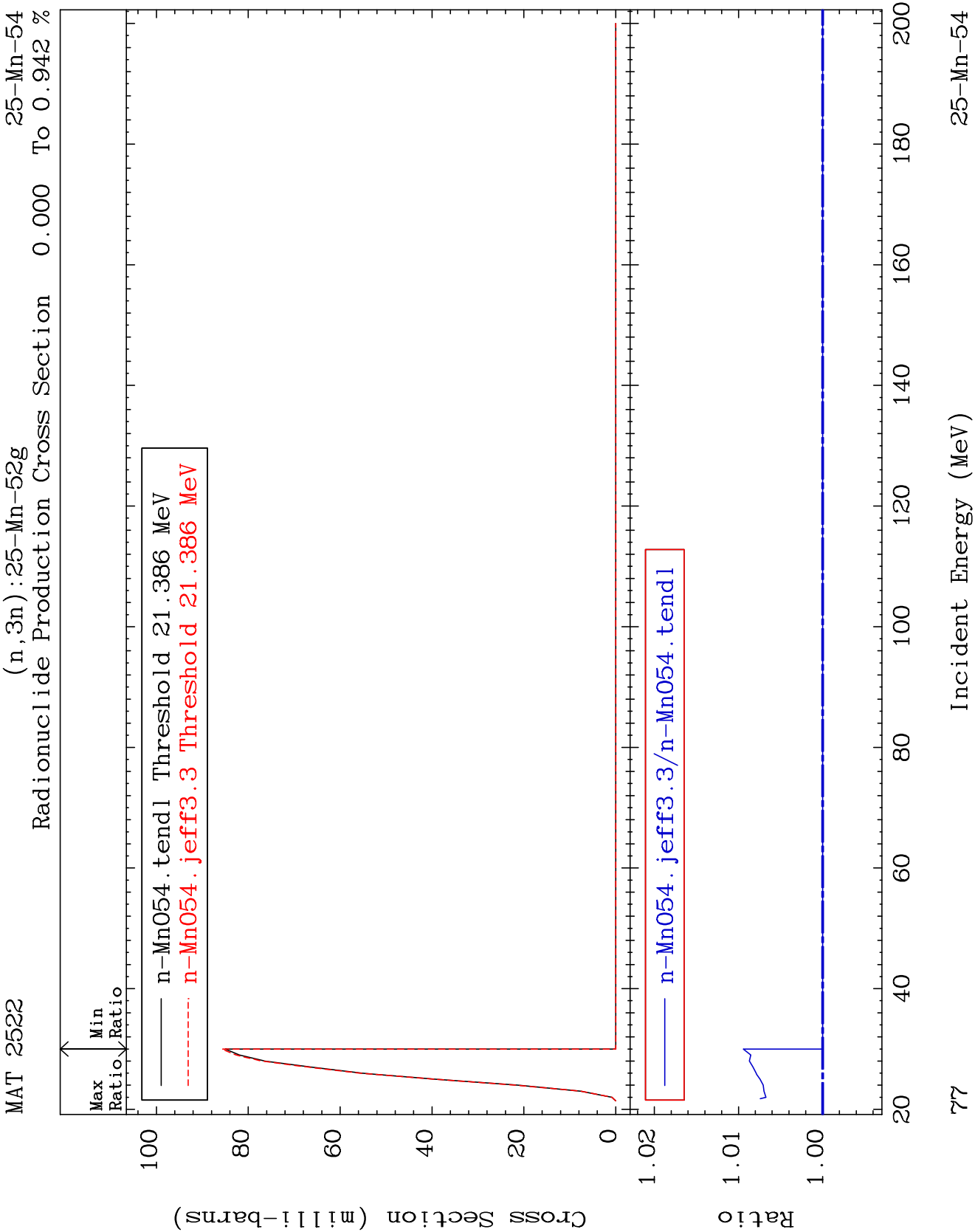
Cross Section



76

Incident Energy (eV)

25-Mn-54



MAT 2522

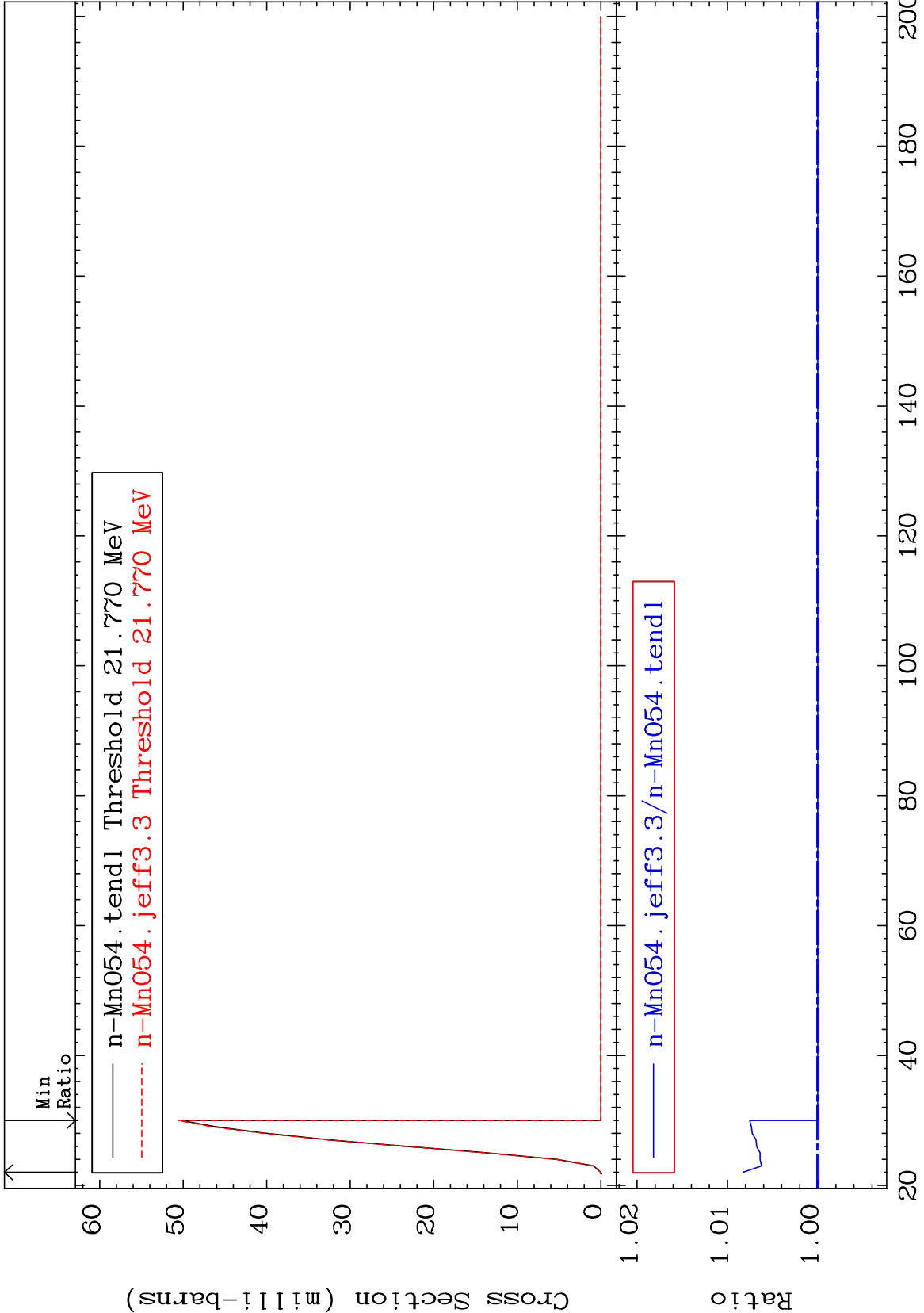
(n,3n):25-Mn-52m1

25-Mn-54

Radionuclide Production Cross Section

0.000

To 0.827 %



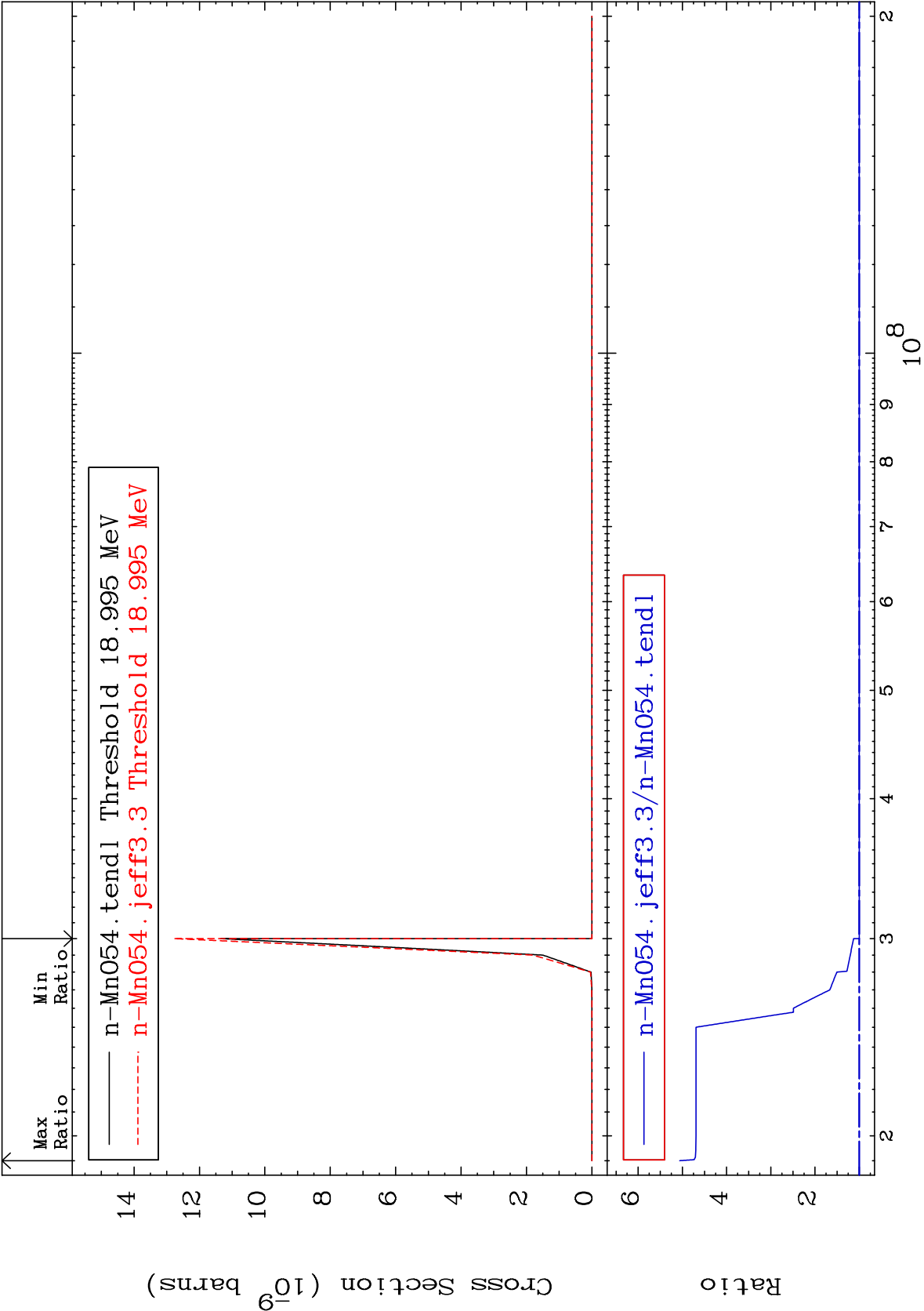
78

Incident Energy (MeV)

25-Mn-54

MAT 2522

(n,n') 2 α :21-Sc-46g 25-Mn-54
Radionuclide Production Cross Section 0.000 To 406.0 %



MAT 2522

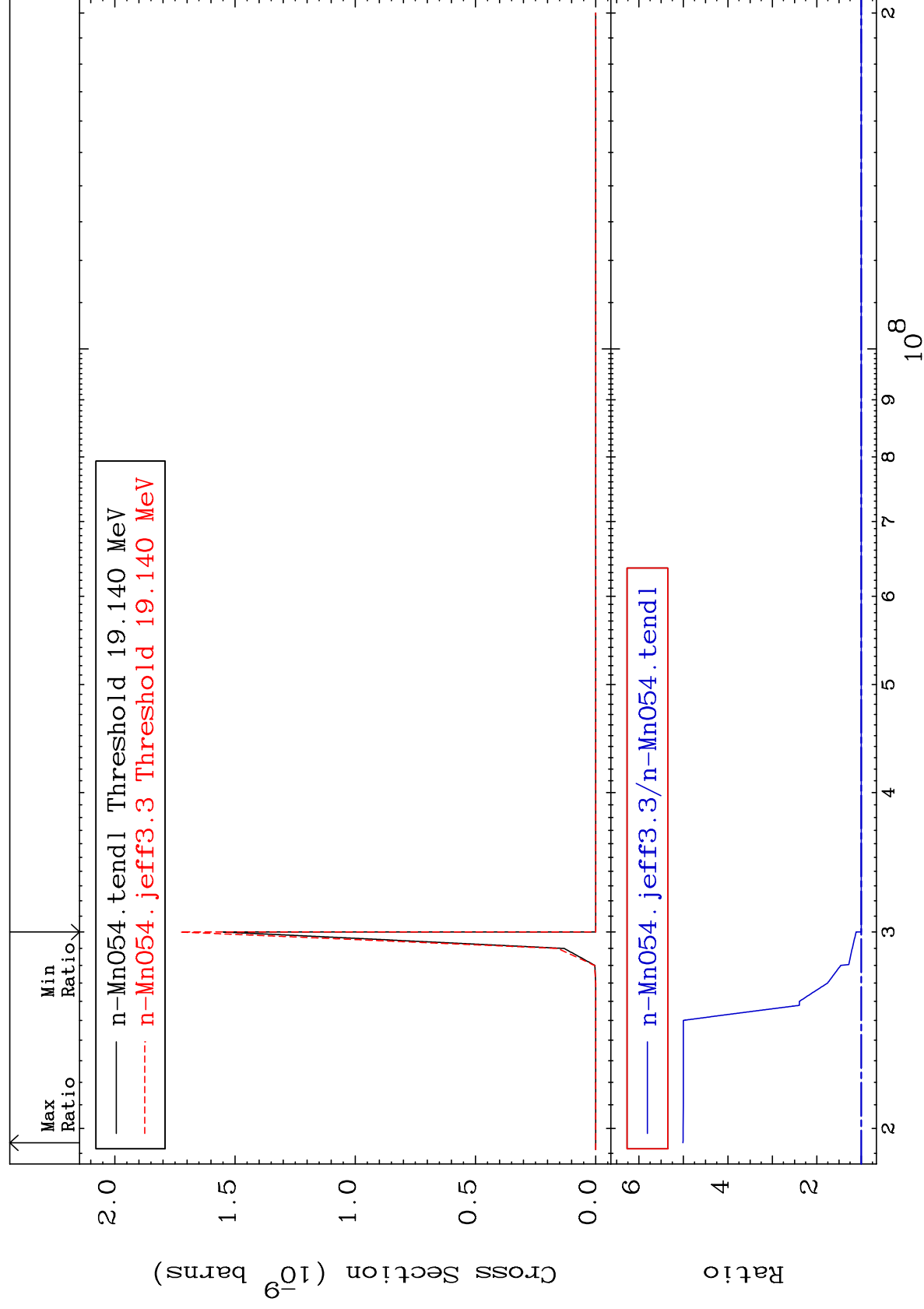
(n, n') 2α:21-Sc-46m2

25-Mn-54

Radionuclide Production Cross Section

0.000

To 401.0 %



80

Incident Energy (eV)

25-Mn-54