

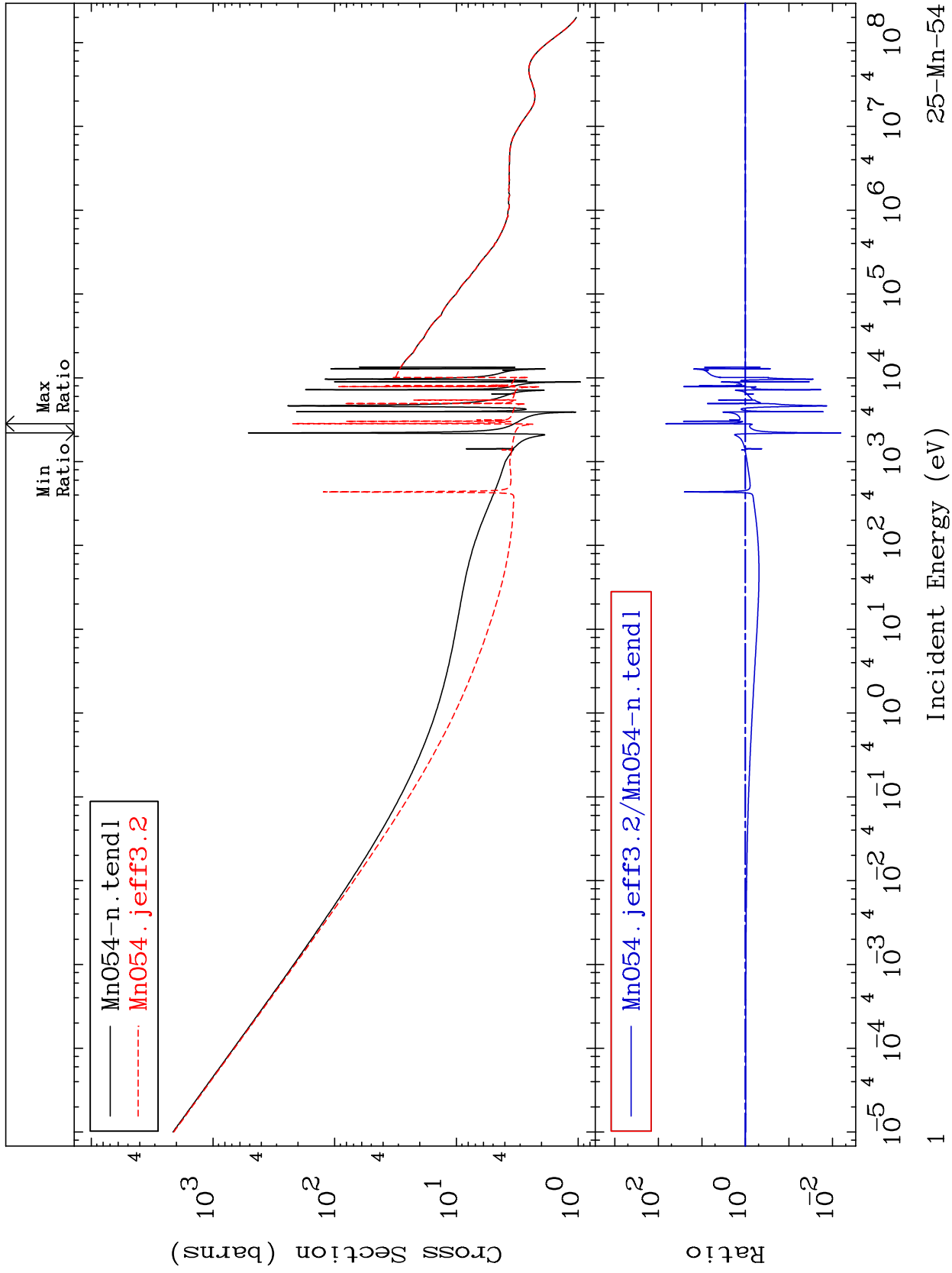
MAT 2522

Total

25-Mn-54

Cross Section

-99.35 To 6570. %



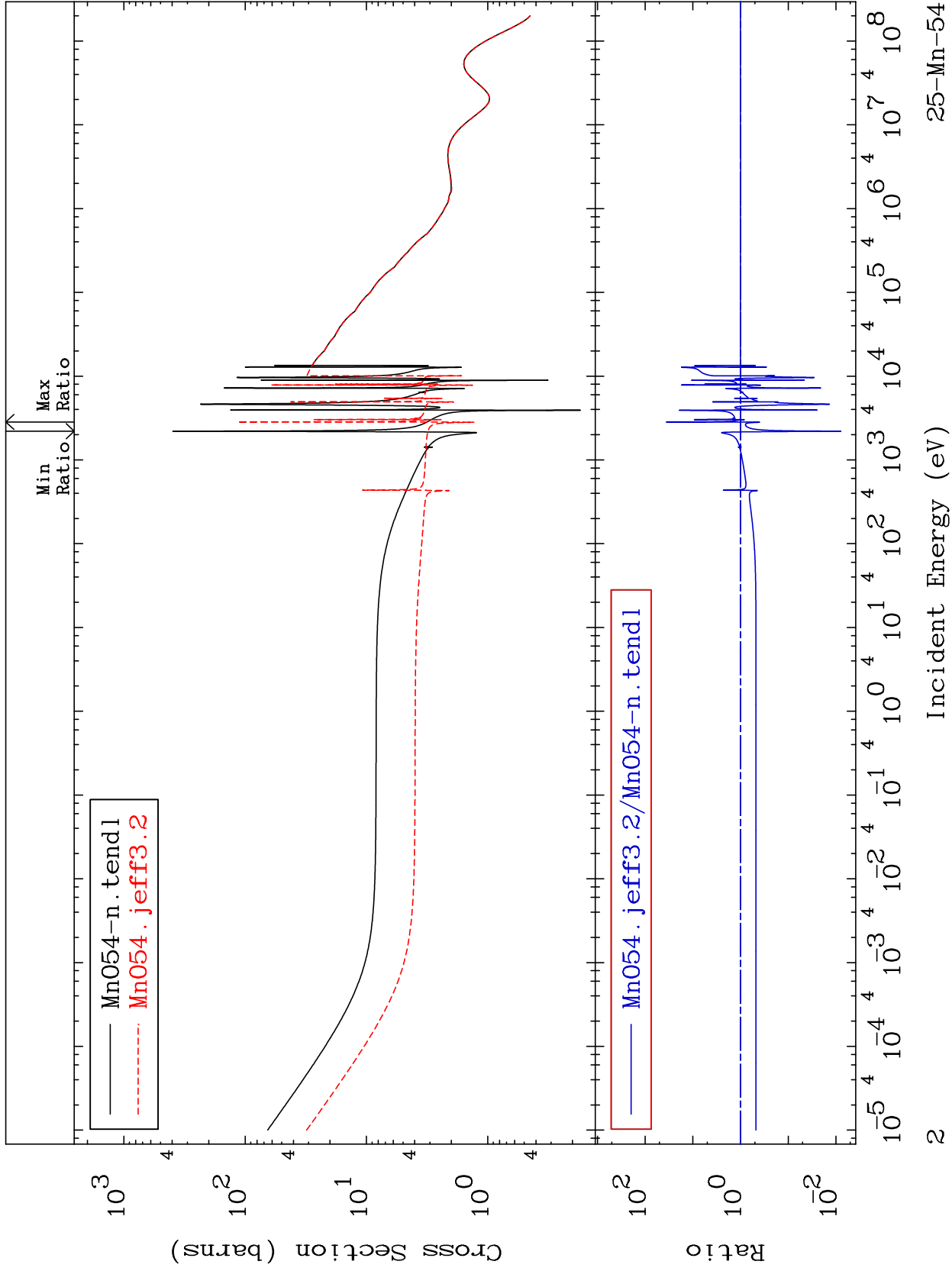
Incident Energy (eV)

25-Mn-54

MAT 2522

Elastic
Cross Section

25-Mn-54
-99.21 To 3560. %



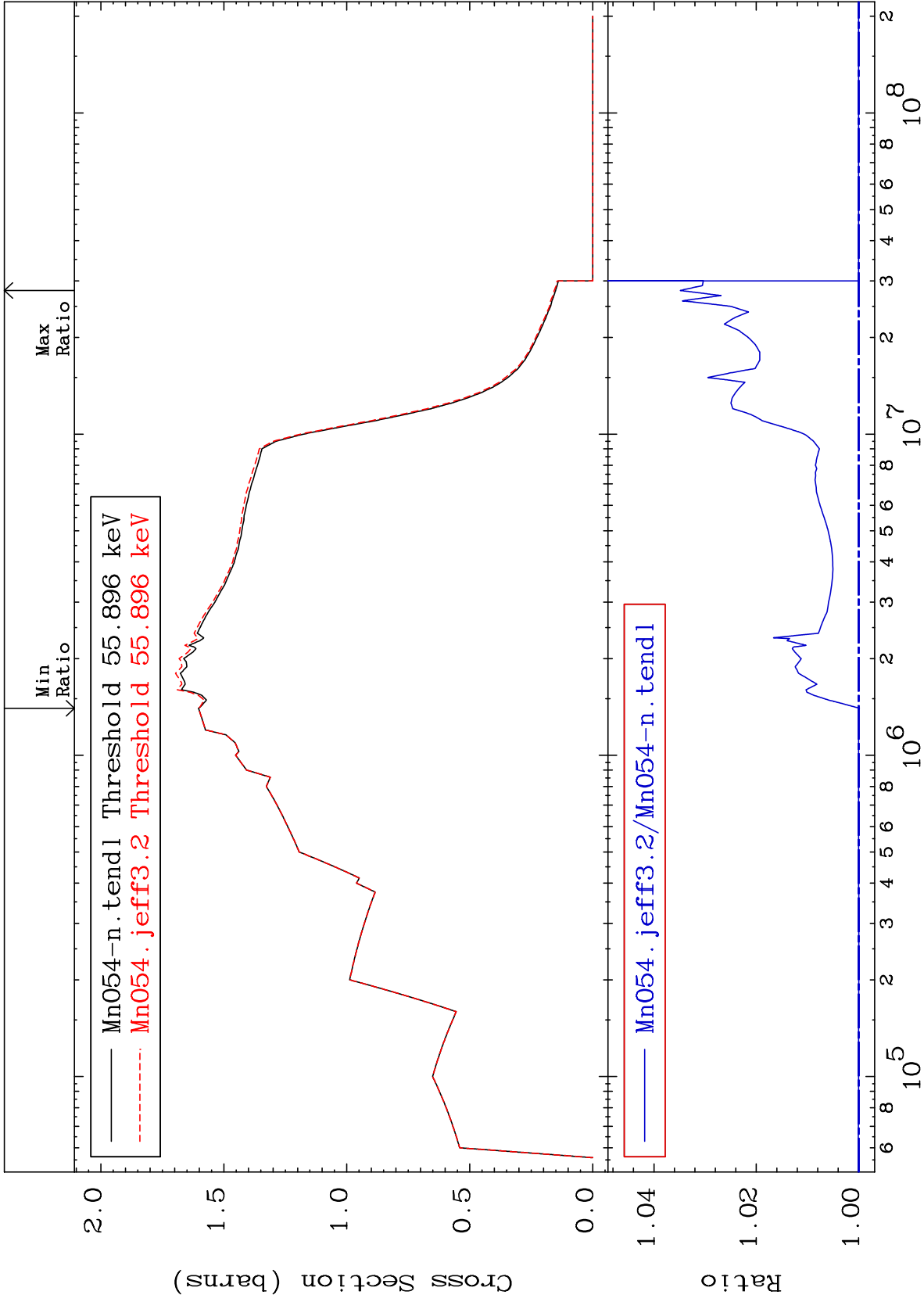
25-Mn-54

Incident Energy (eV)

2

MAT 2522

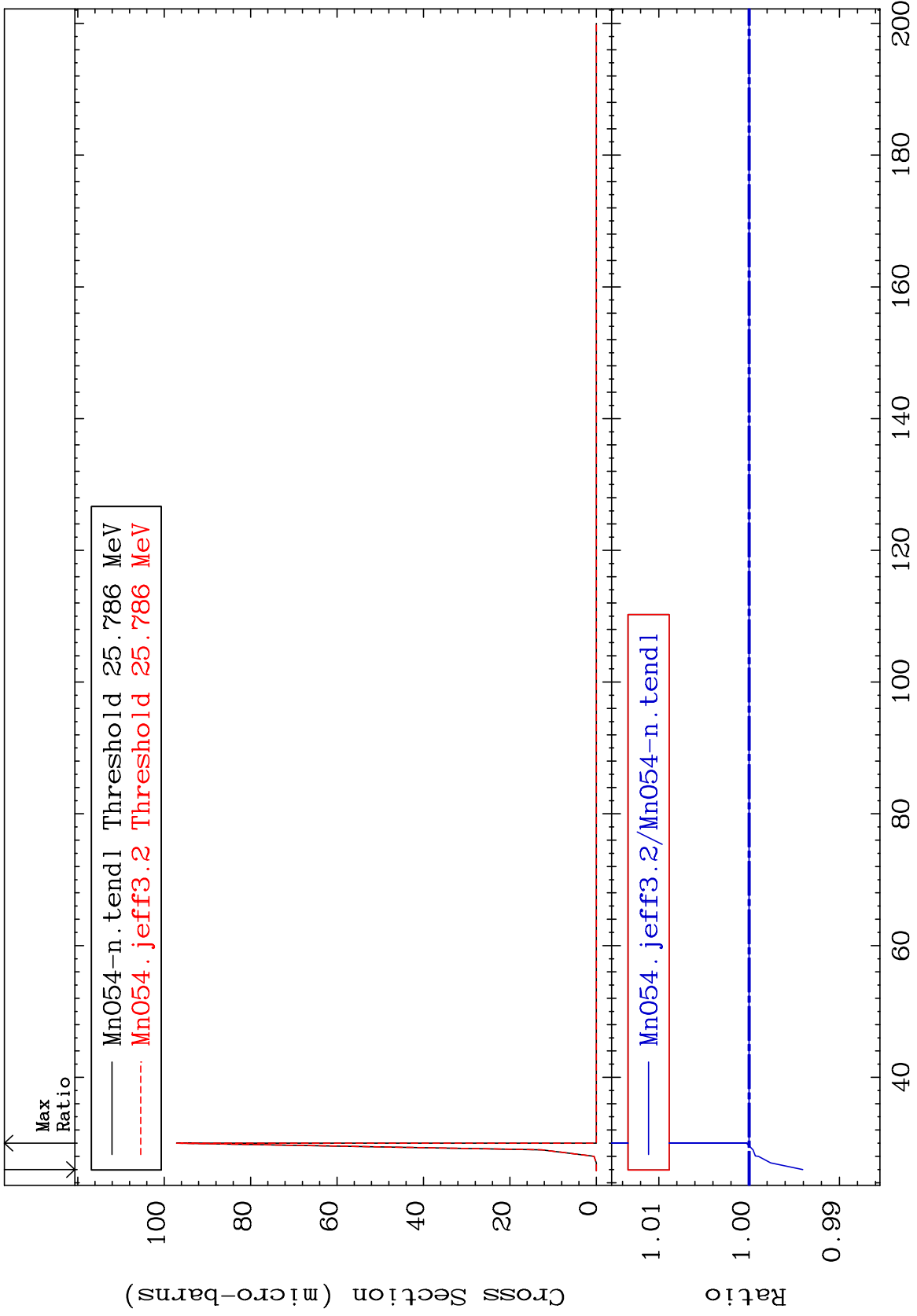
Inelastic Cross Section
25-Mn-54
-0.015 To 3.484 %



MAT 2522

(n,2n) d
Cross Section

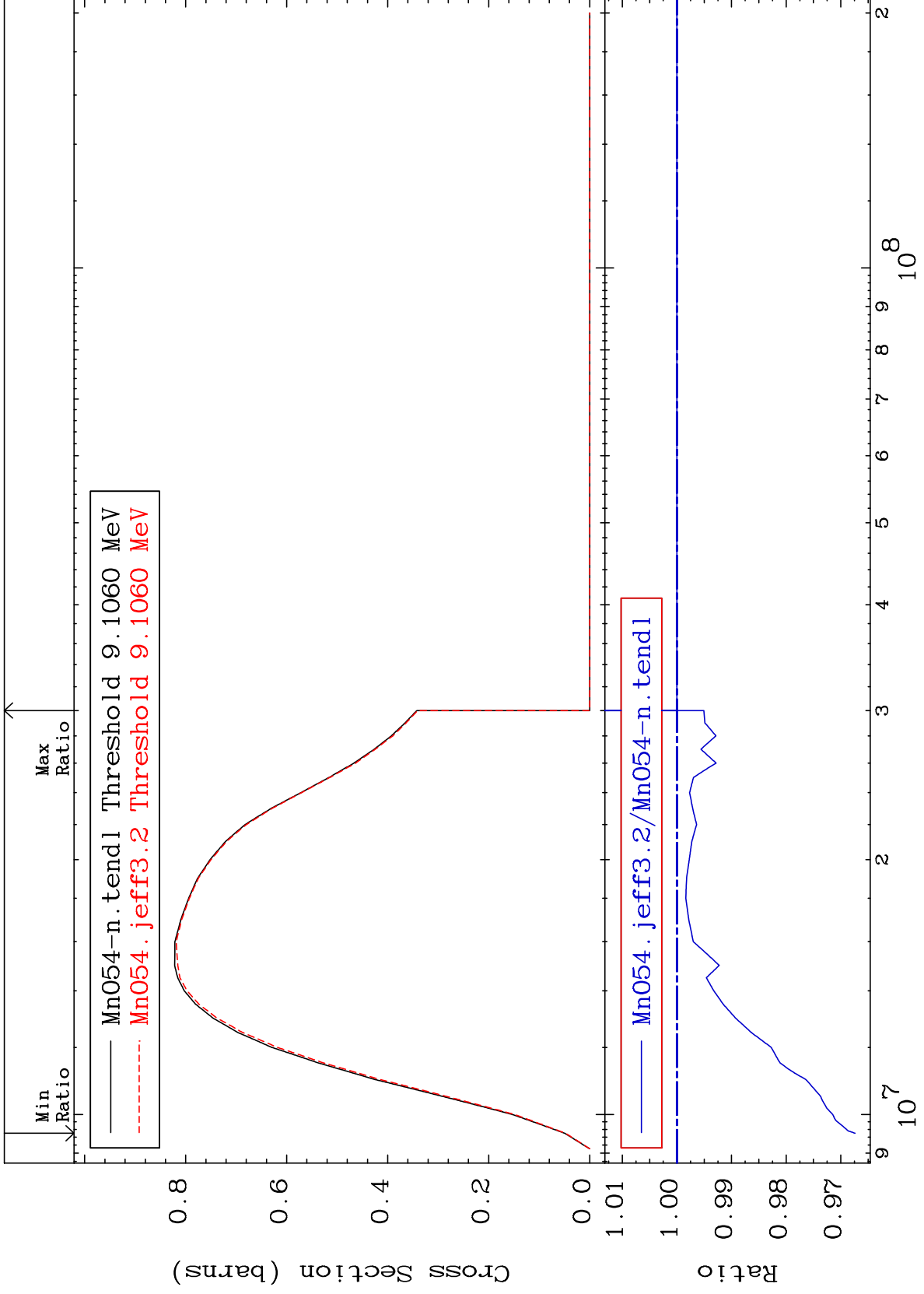
25-Mn-54
-0.593 To 0.029 %



MAT 2522

(n,2n)
Cross Section

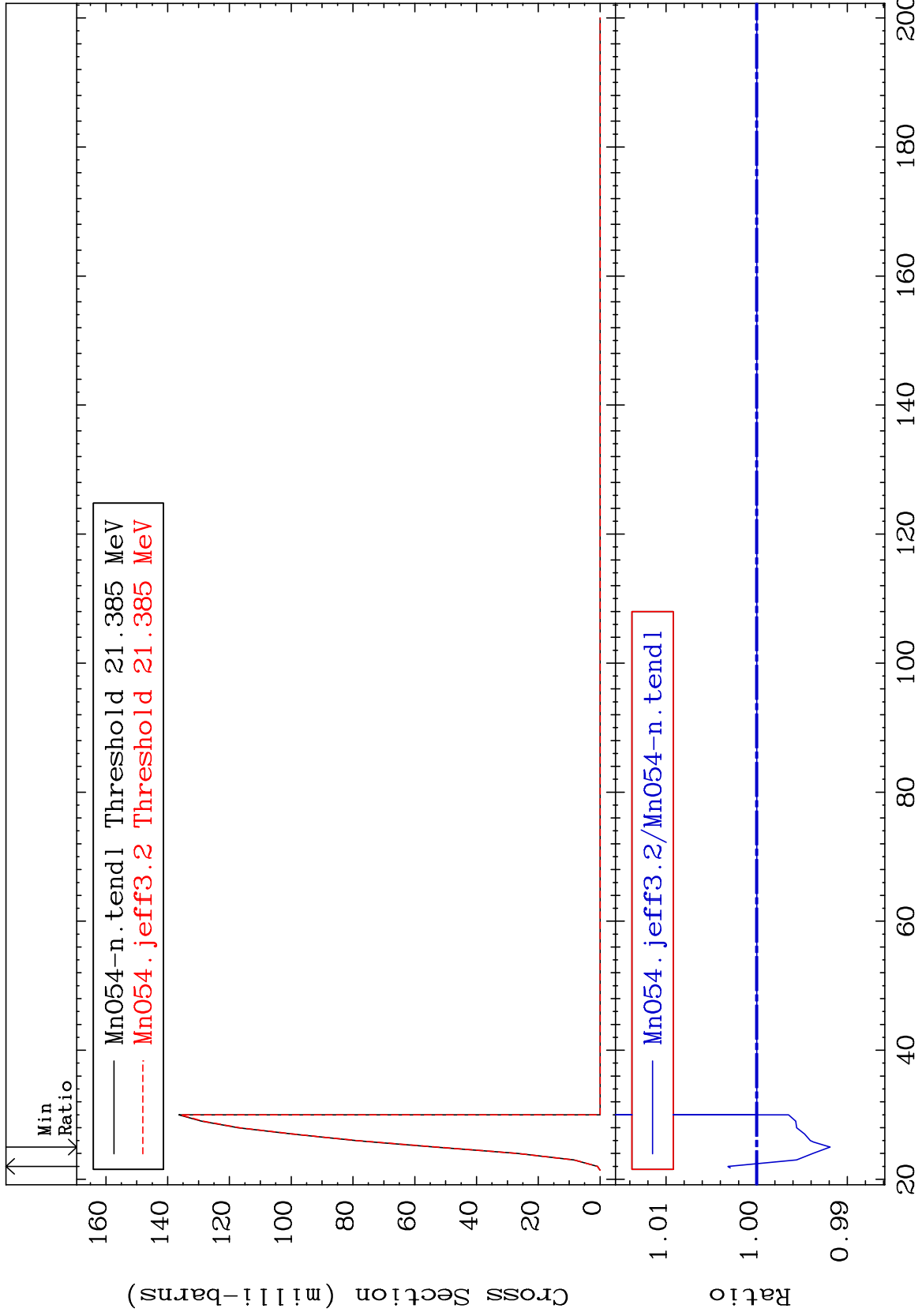
25-Mn-54
-3.262 To 0.000 %



MAT 2522

(n,3n)
Cross Section

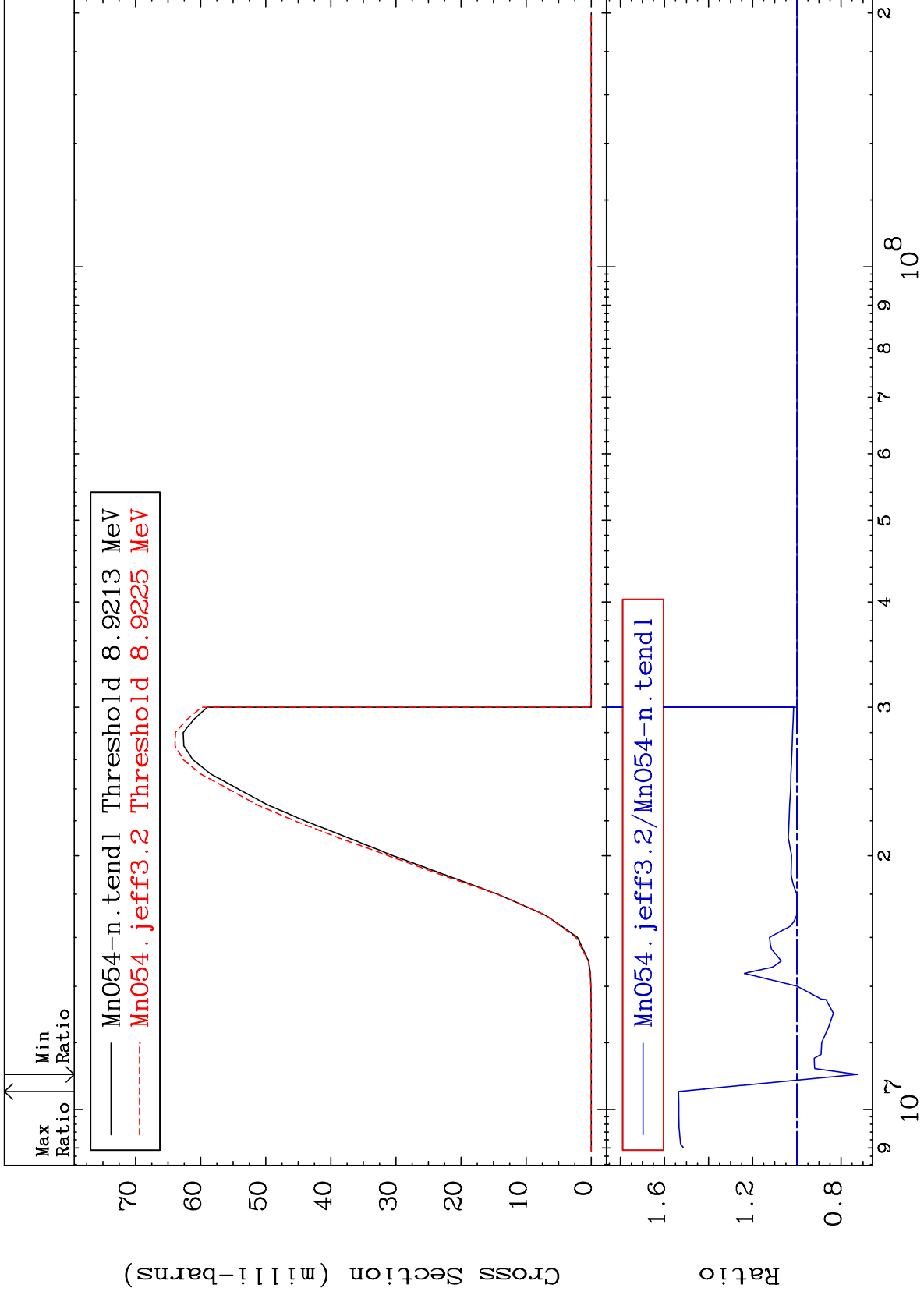
²⁵Mn-54
-0.810 To 0.317 %



MAT 2522

(n, n') α
Cross Section

²⁵Mn-54
-27.37 To 53.56 %



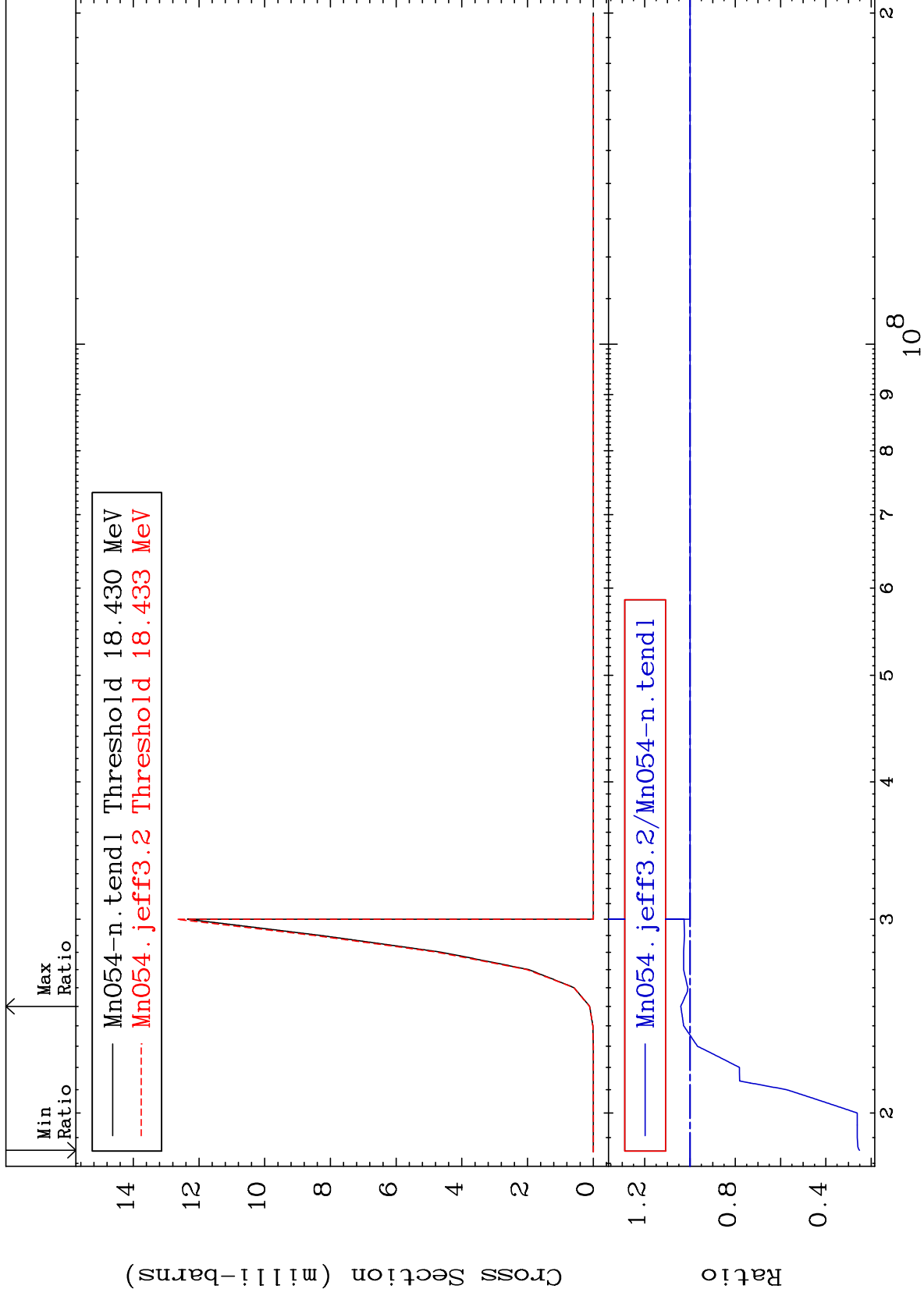
25-Mn-54

25-Mn-54

MAT 2522

(n,2n) α
Cross Section

²⁵Mn-54
-74.89 To 4.107 %



8

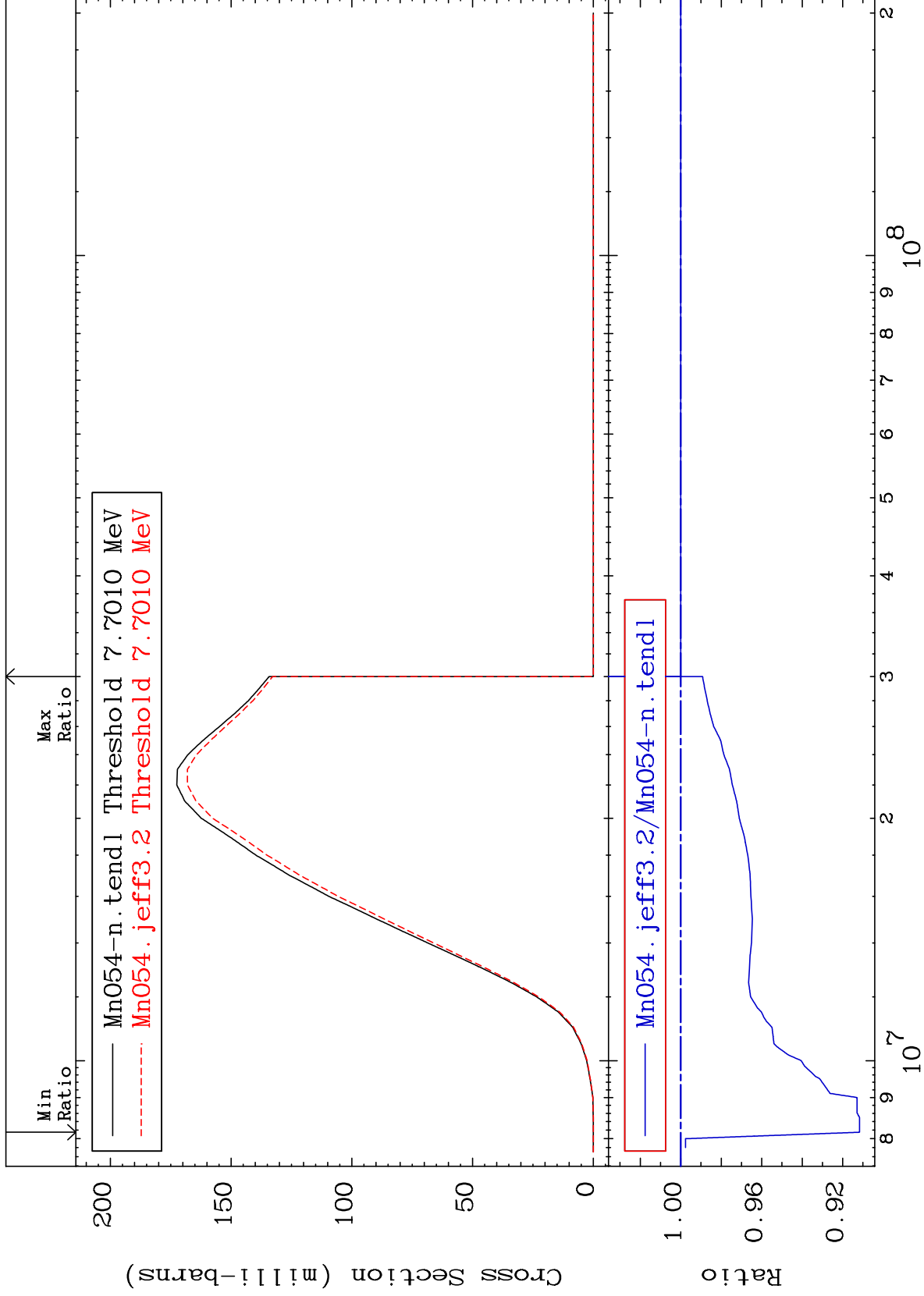
Incident Energy (eV)

²⁵Mn-54

MAT 2522

(n,n') p
Cross Section

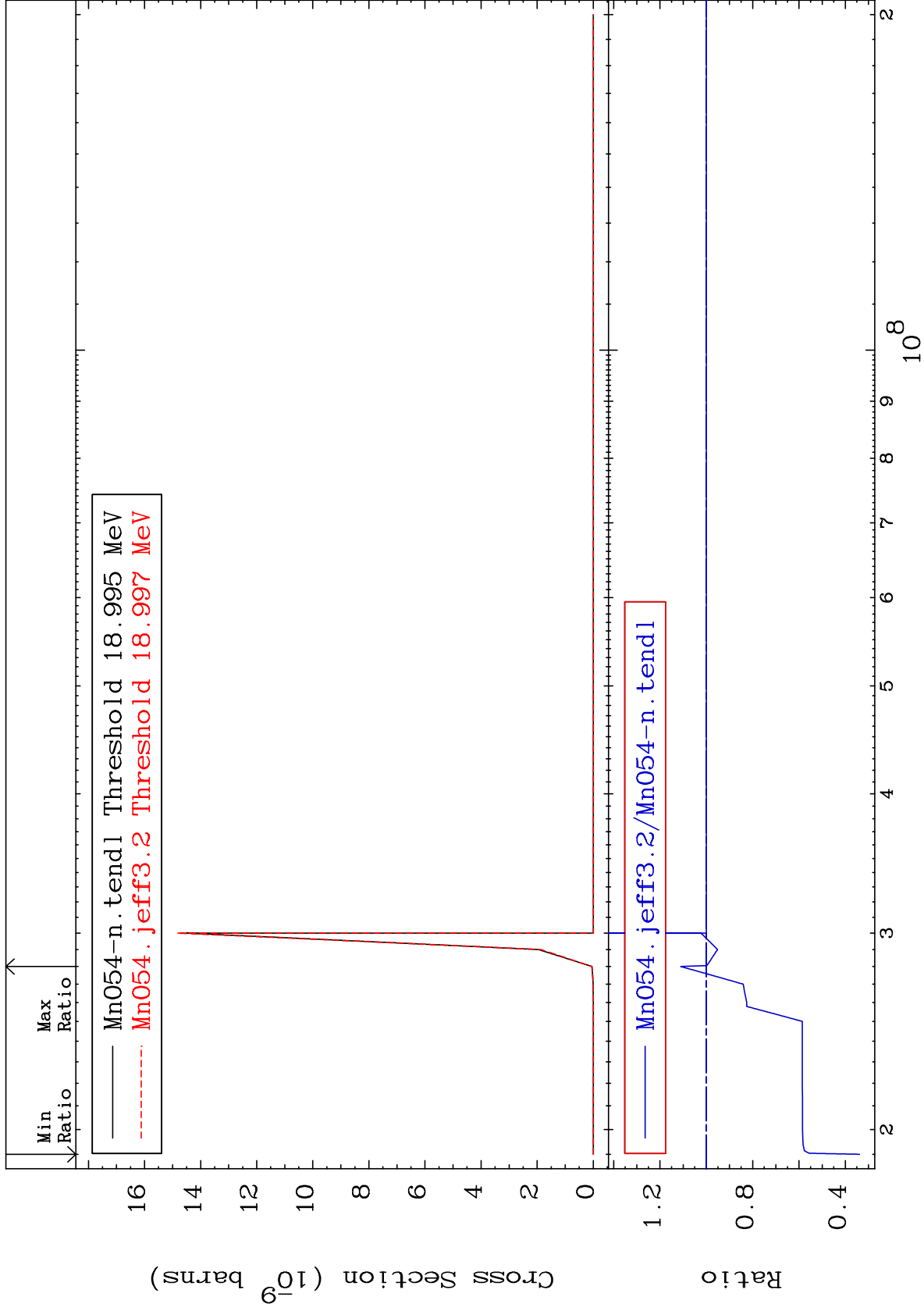
²⁵Mn-54
-8.831 To 0.000 %



MAT 2522

(n, n') 2α
Cross Section

25-Mn-54
-66.13 To 11.02 %



10

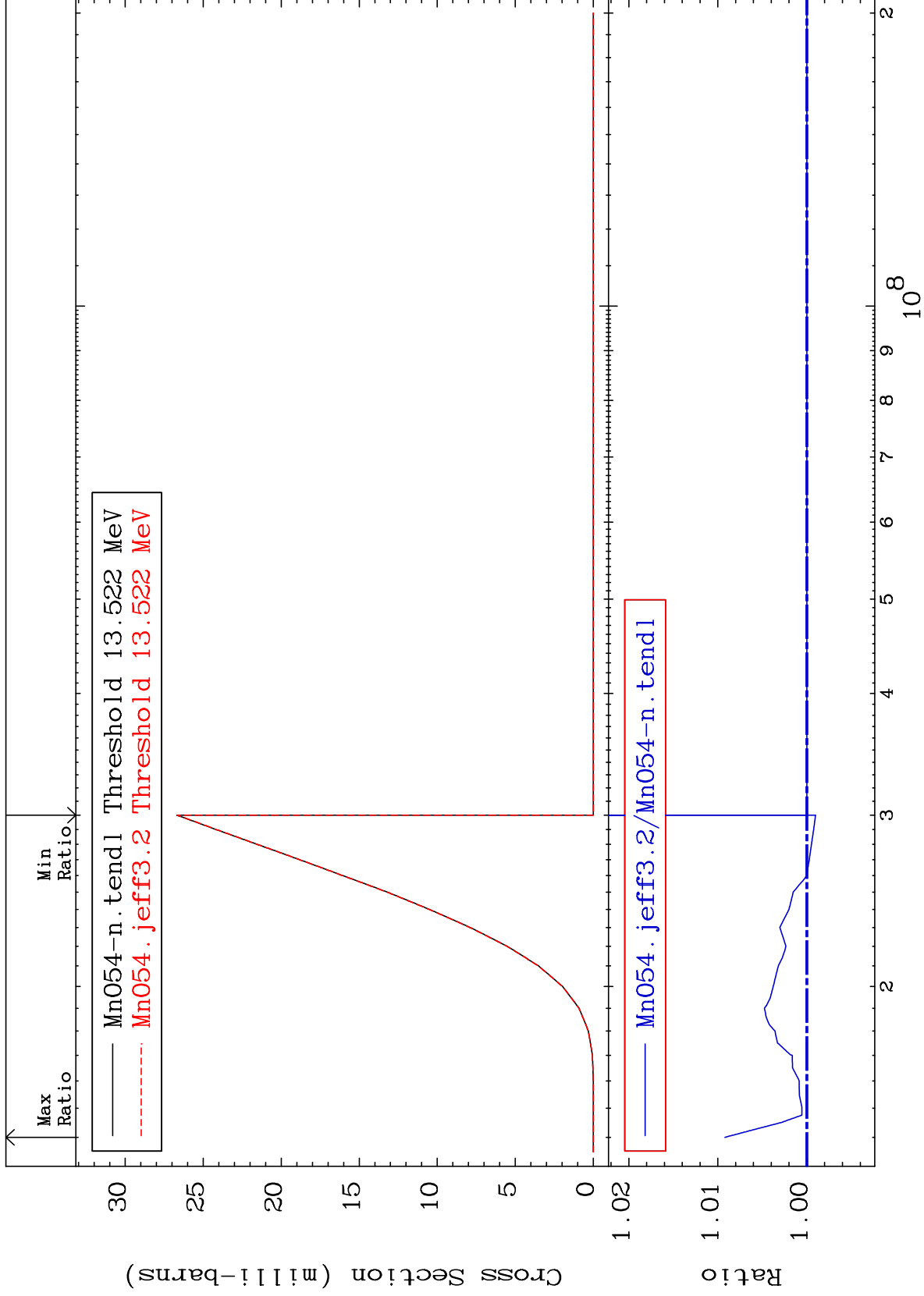
Incident Energy (eV)

25-Mn-54

MAT 2522

(n, n') d
Cross Section

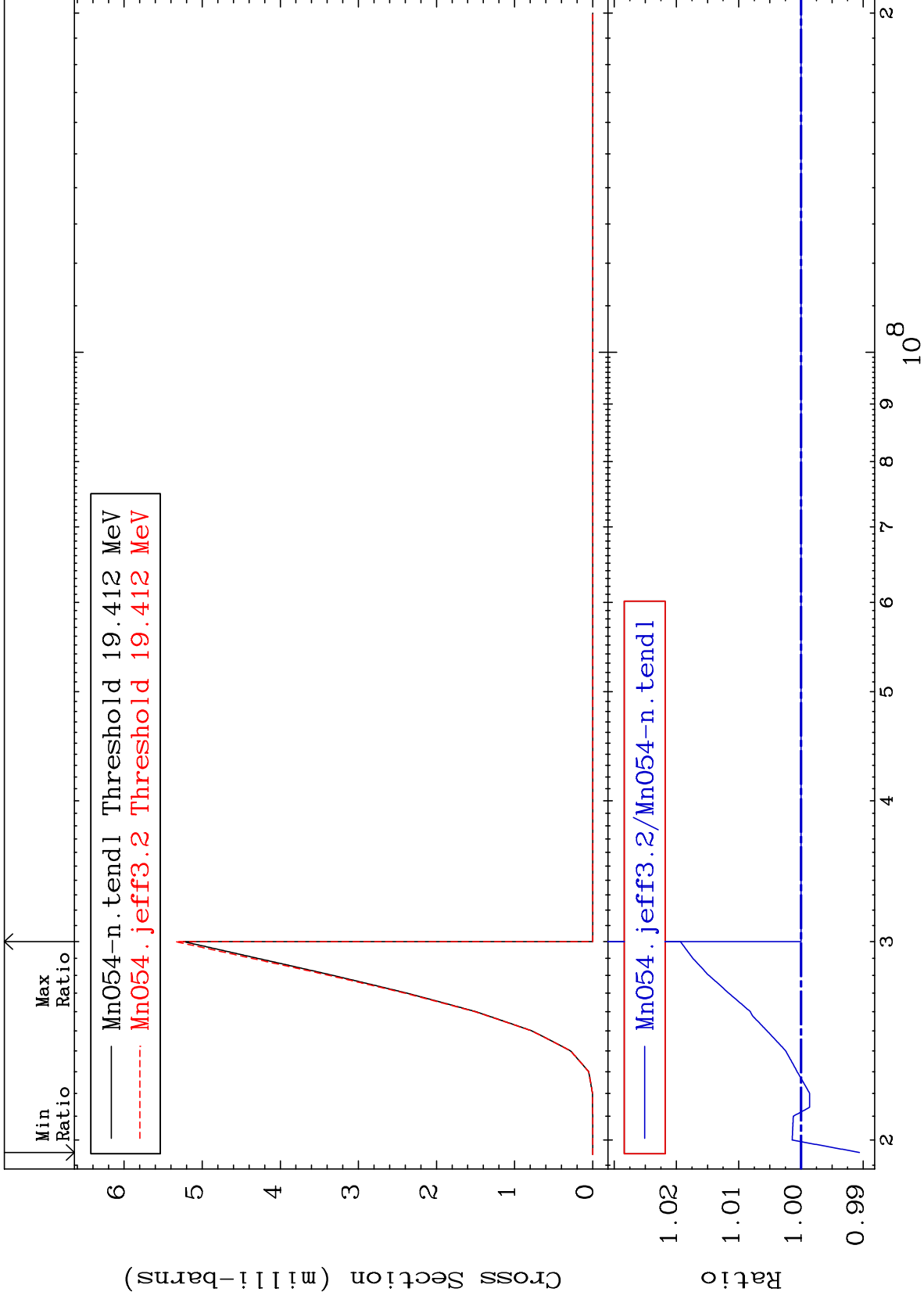
²⁵Mn-54
-0.097 To 0.922 %



MAT 2522

(n, n') t
Cross Section

²⁵Mn-54
-0.939 To 1.937 %



12

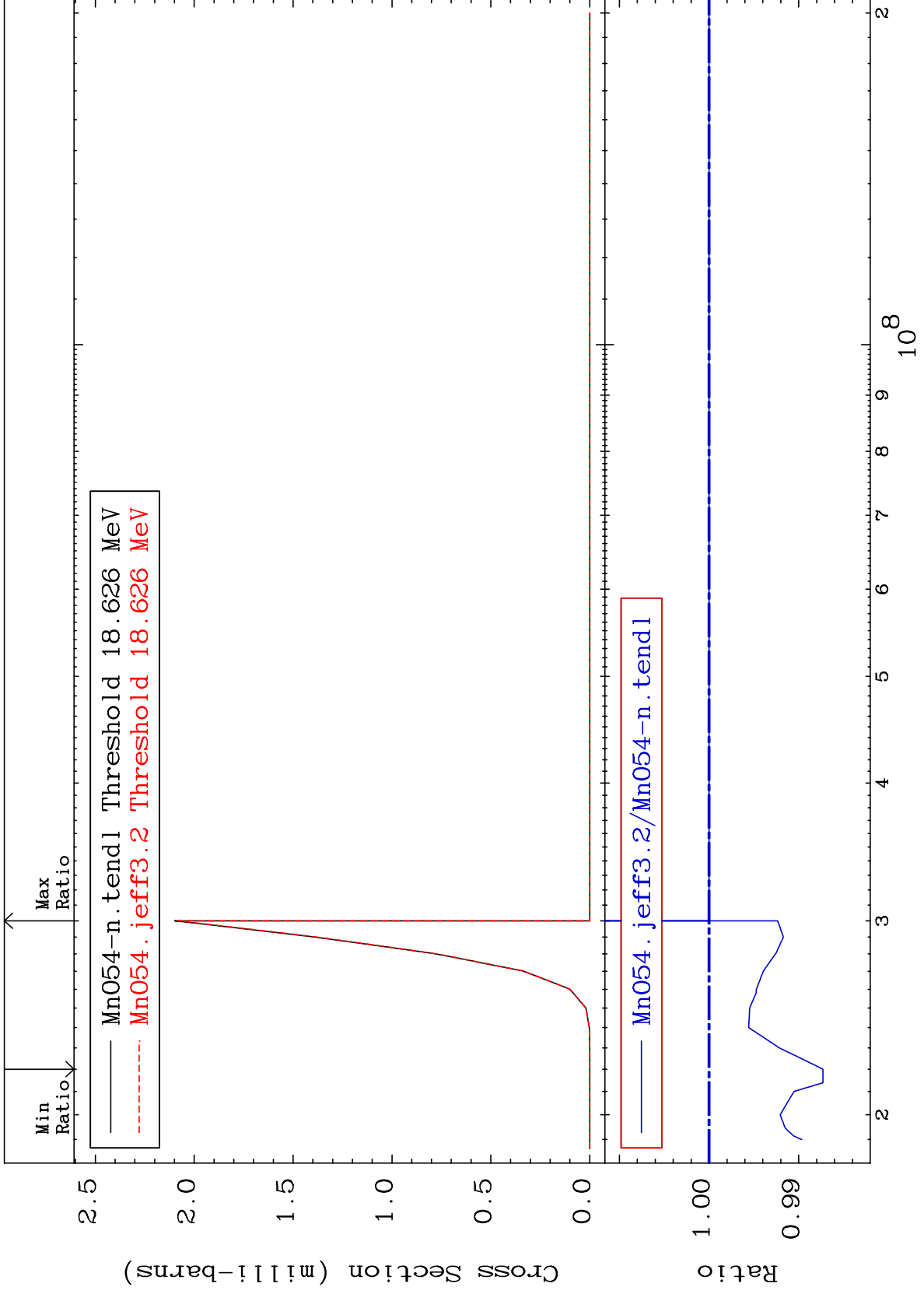
Incident Energy (eV)

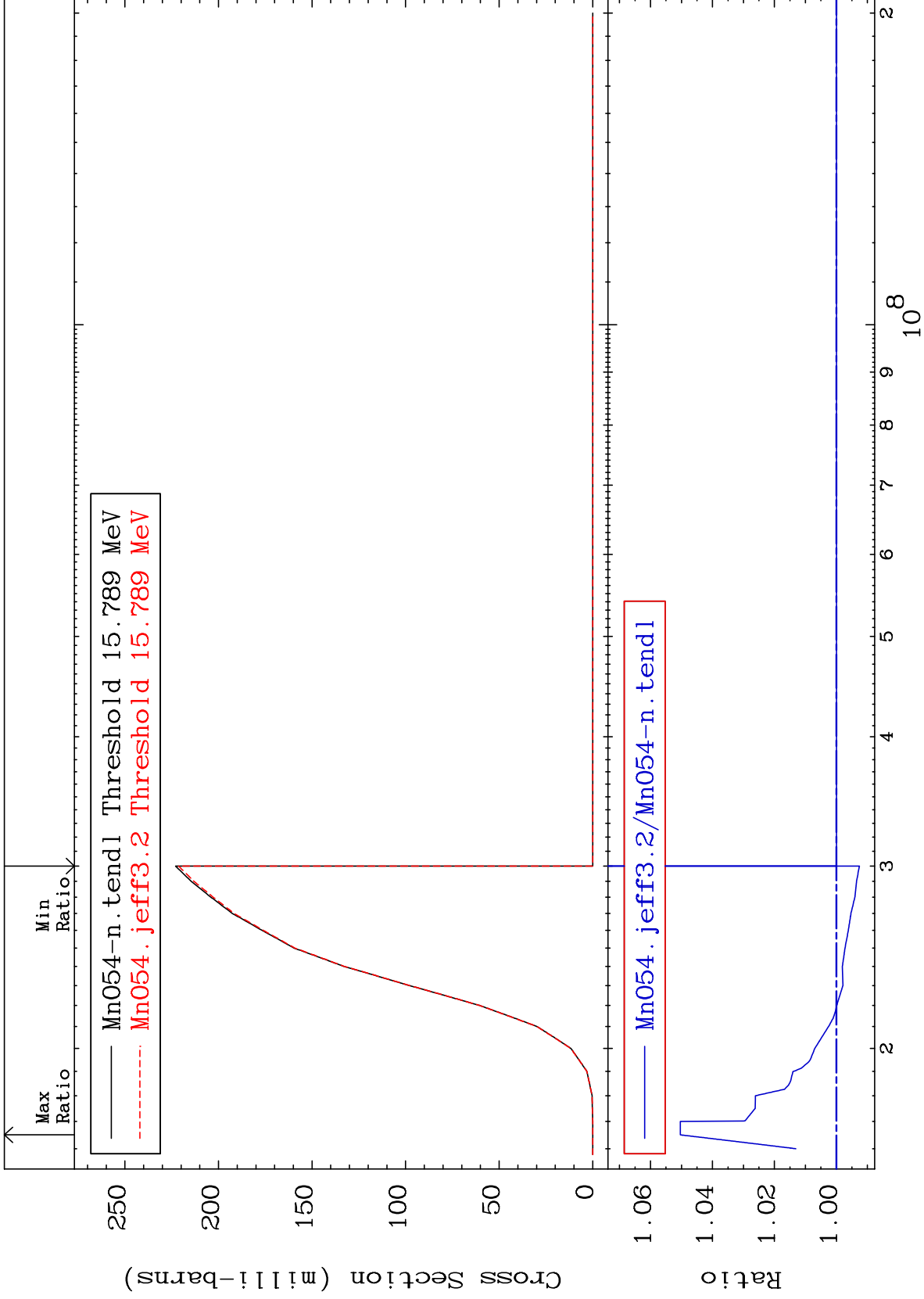
²⁵Mn-54

MAT 2522

(n, n') He-3
Cross Section

25-Mn-54
-1.270 To 0.000 %

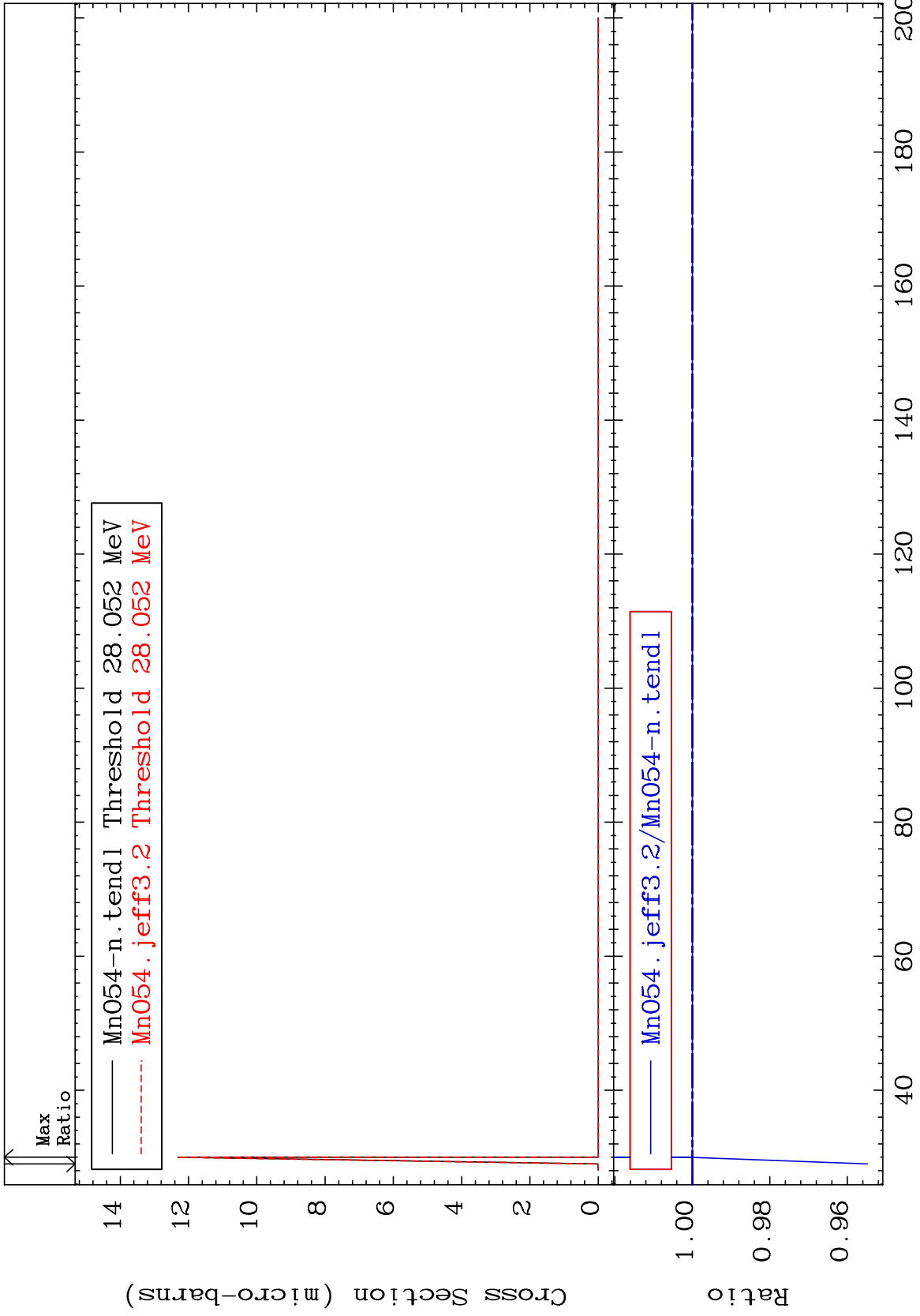




MAT 2522

(n,3n) p
Cross Section

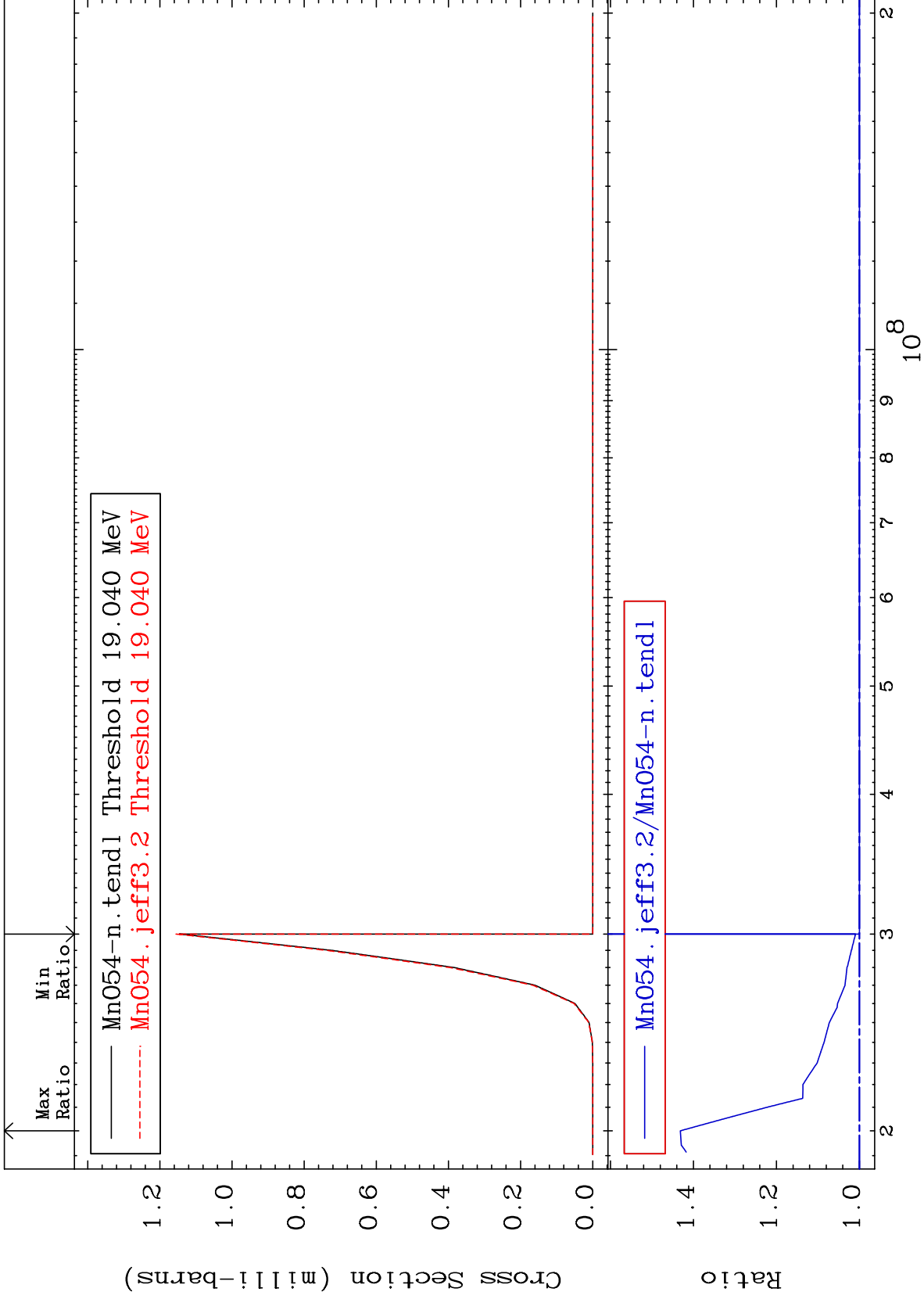
25-Mn-54
-4.520 To 0.146 %



MAT 2522

(n,2n) p
Cross Section

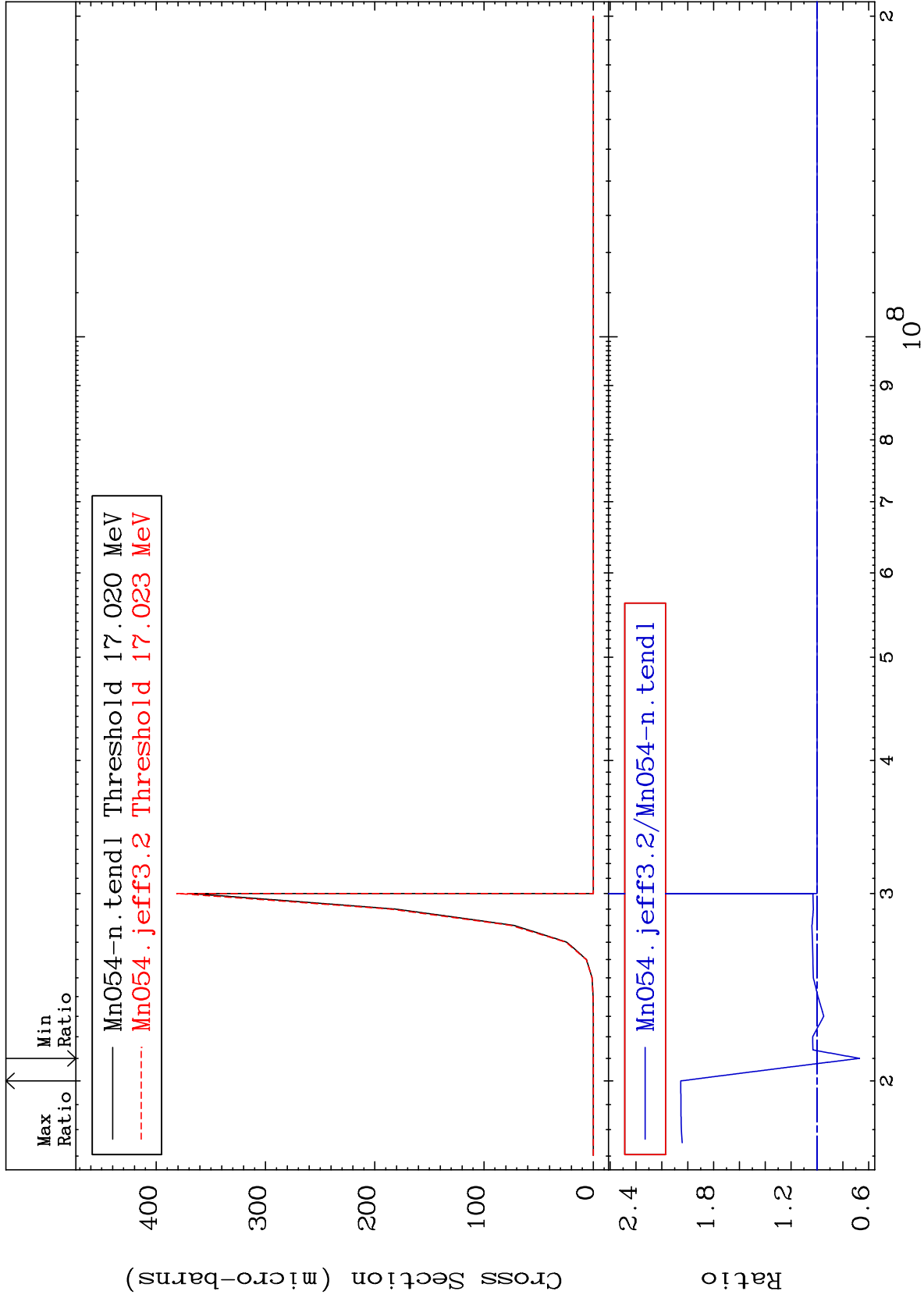
²⁵Mn-54
To 43.15 %
0.000



16

Incident Energy (eV)

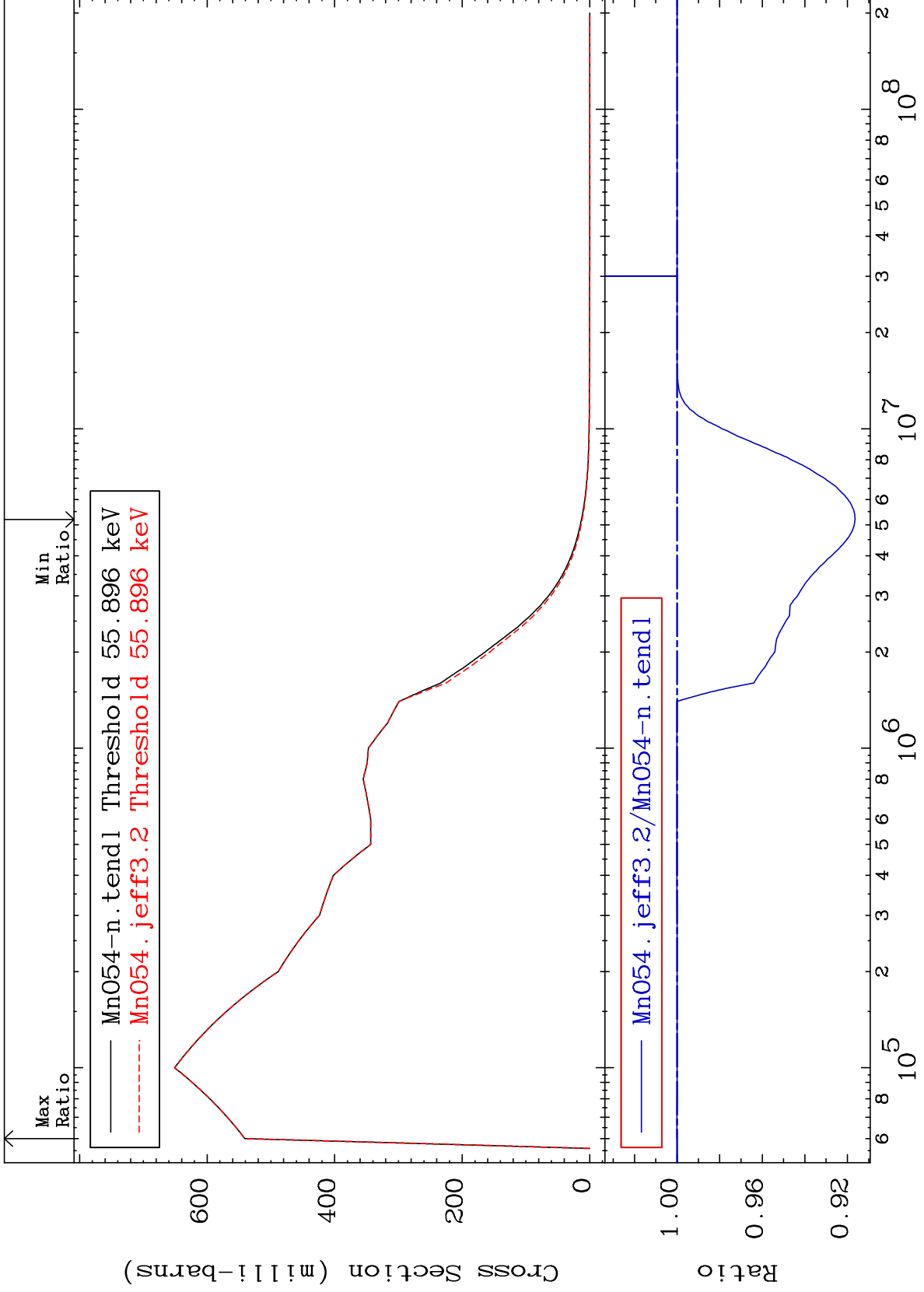
²⁵Mn-54



MAT 2522

54.87 keV (n,n') Level
Cross Section

25-Mn-54
-8.361 To 0.008 %



18

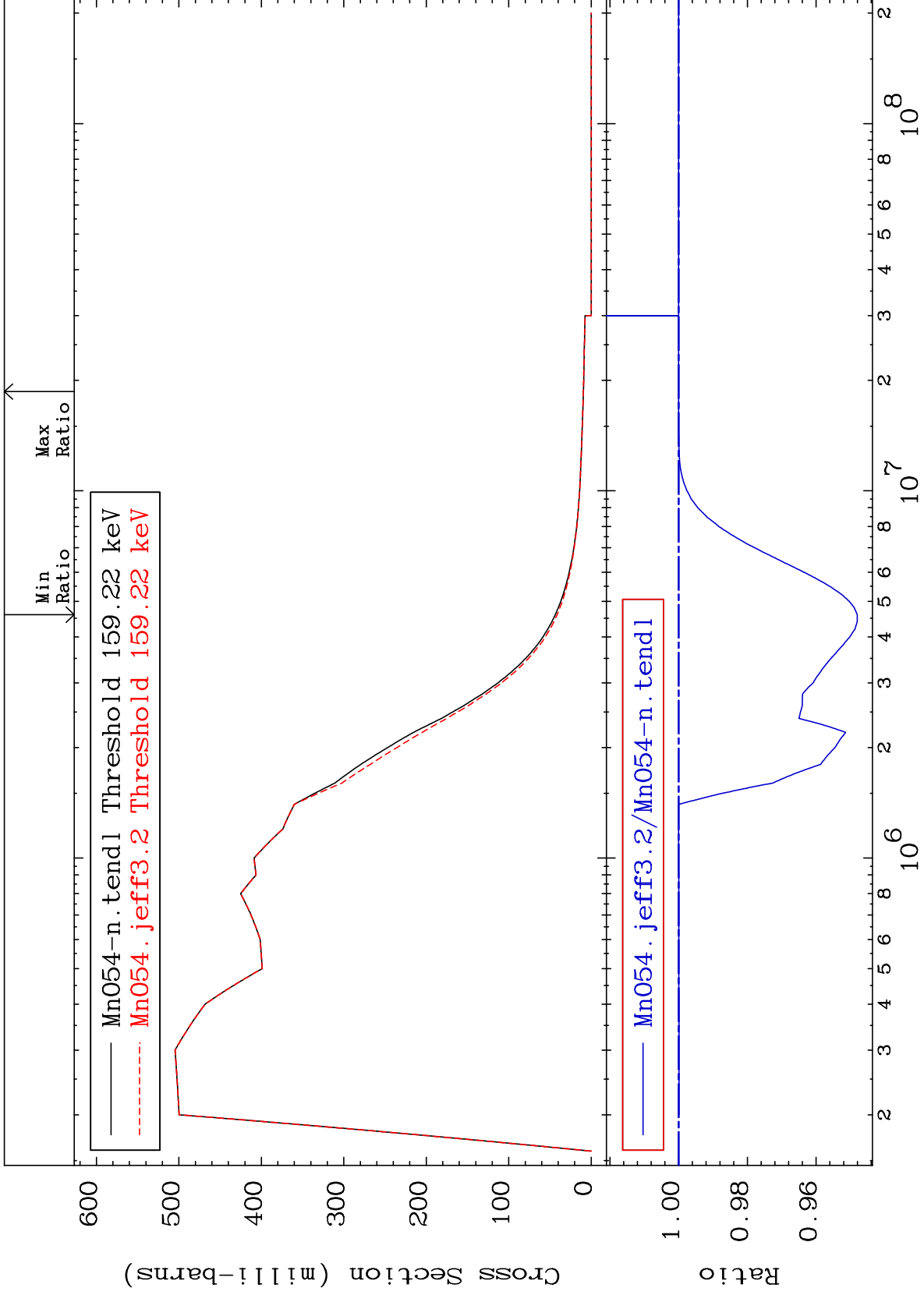
Incident Energy (eV)

25-Mn-54

MAT 2522

156.3 keV (n,n') Level
Cross Section

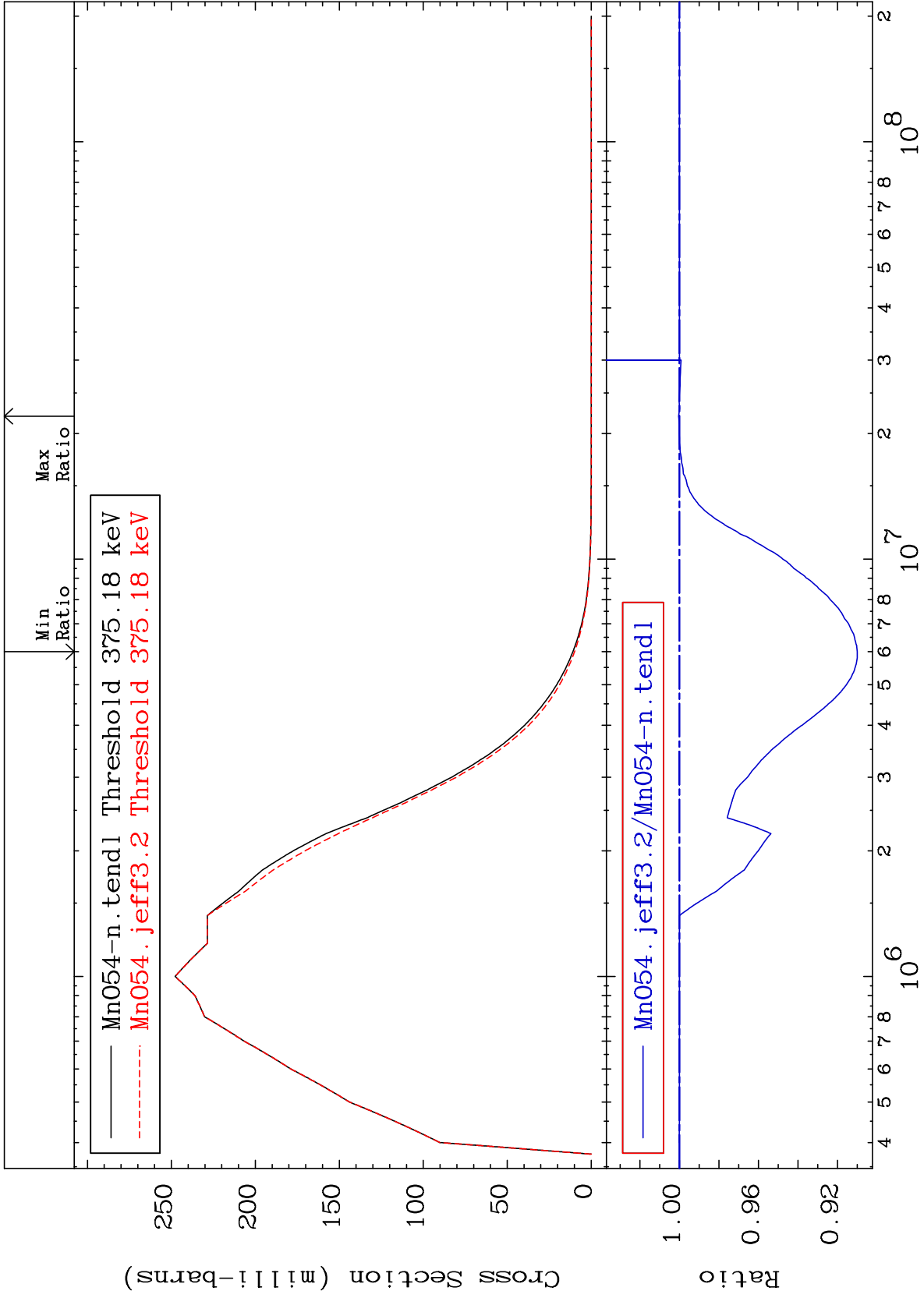
25-Mn-54
-5.196 To 0.000 %



MAT 2522

368.3 keV (n,n') Level
Cross Section

25-Mn-54
-8.999 To 0.044 %



20

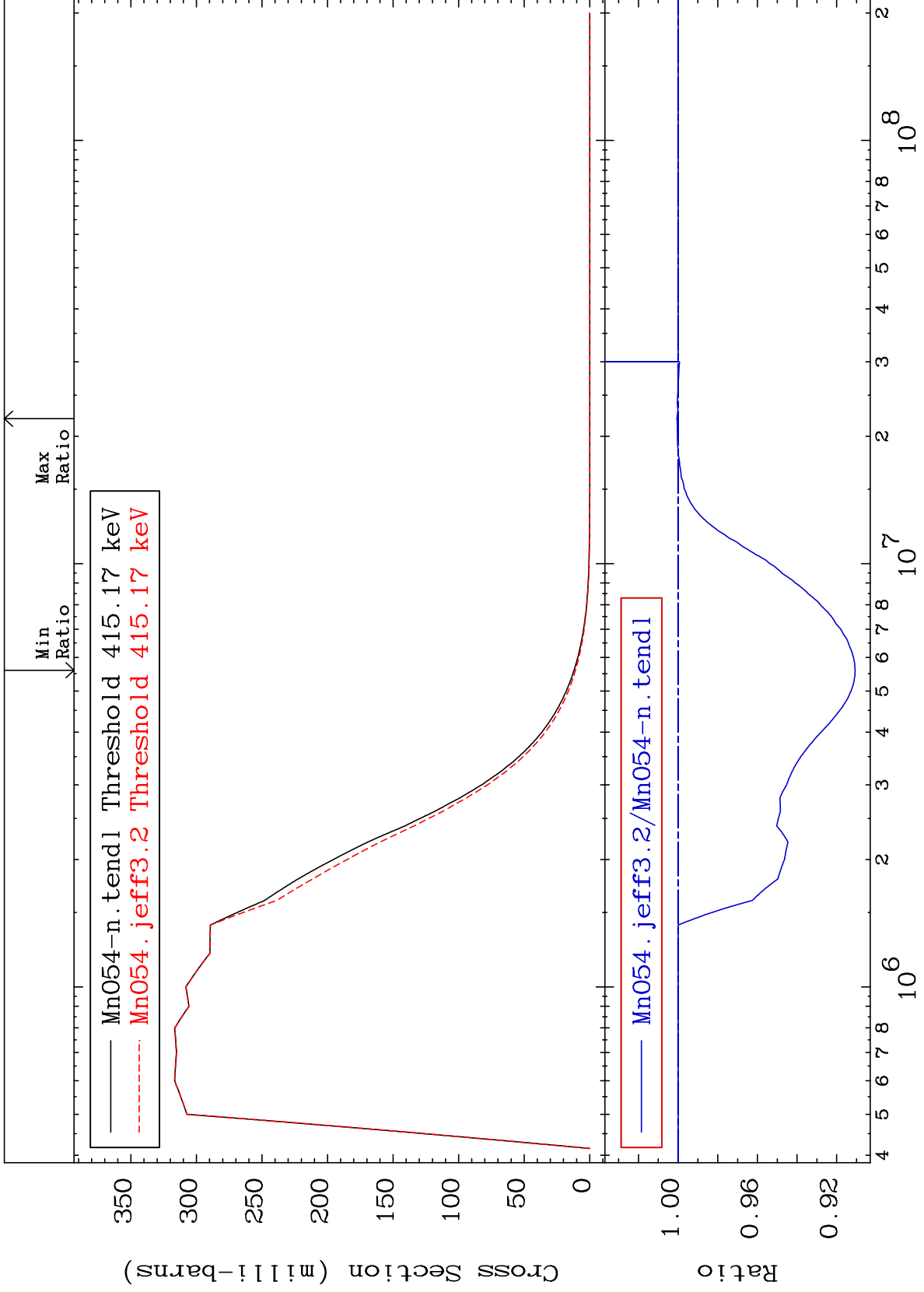
Incident Energy (eV)

25-Mn-54

MAT 2522

407.5 keV (n,n') Level
Cross Section

25-Mn-54
-8.927 To 0.059 %



21

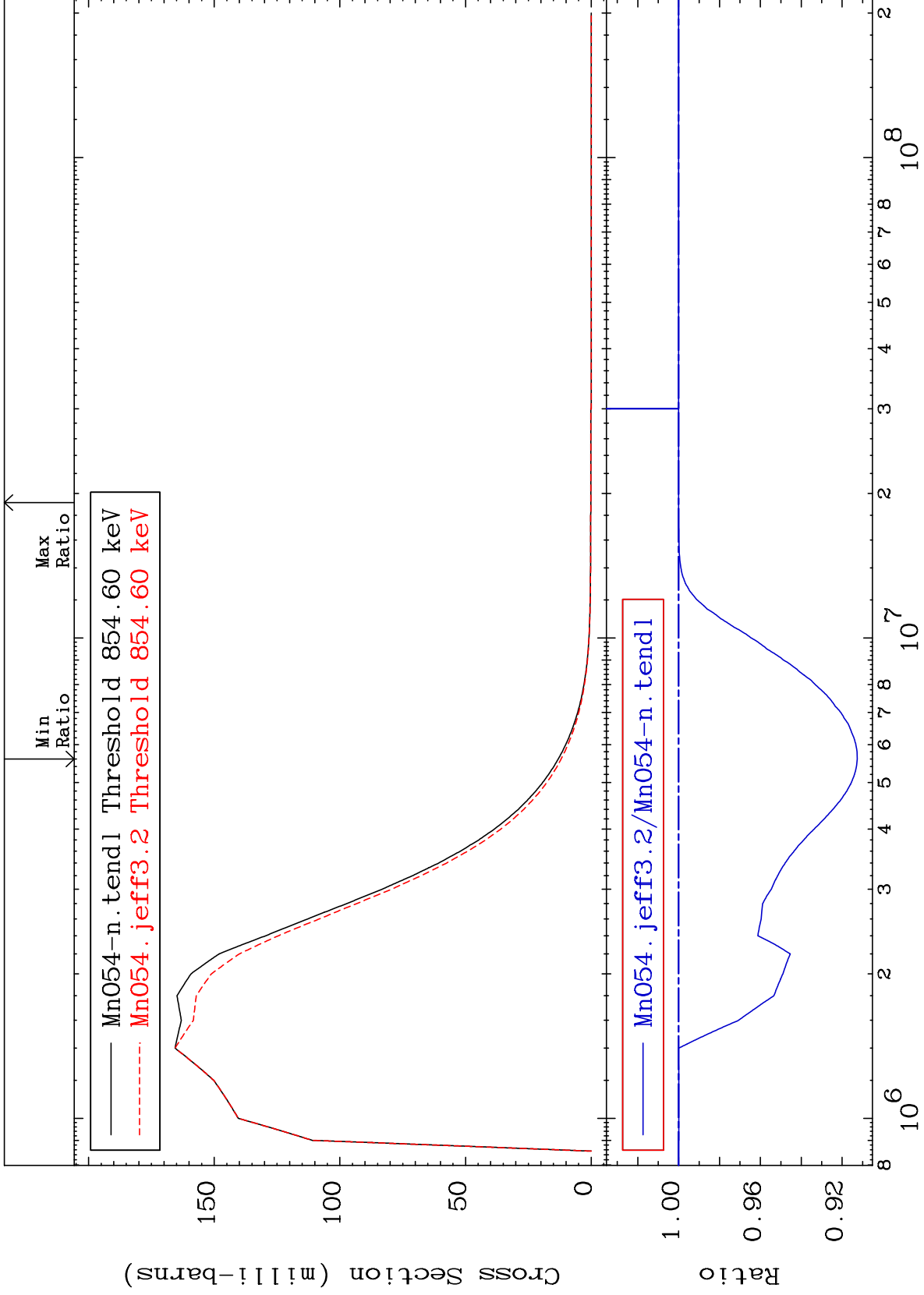
Incident Energy (eV)

25-Mn-54

MAT 2522

838.9 keV (n,n') Level
Cross Section

25-Mn-54
-8.739 To 0.000 %



22

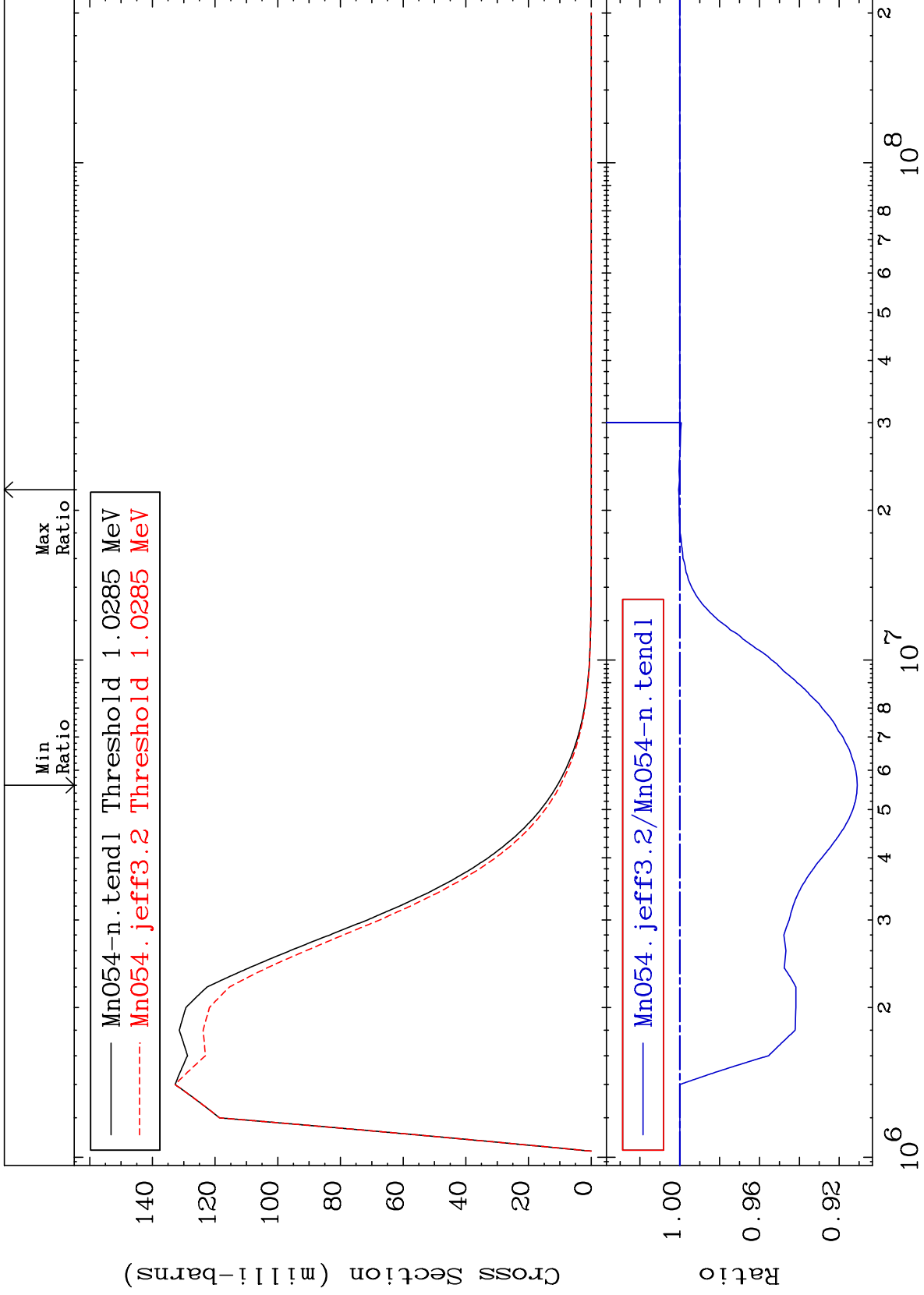
Incident Energy (eV)

25-Mn-54

MAT 2522

1.010 MeV (n,n') Level
Cross Section

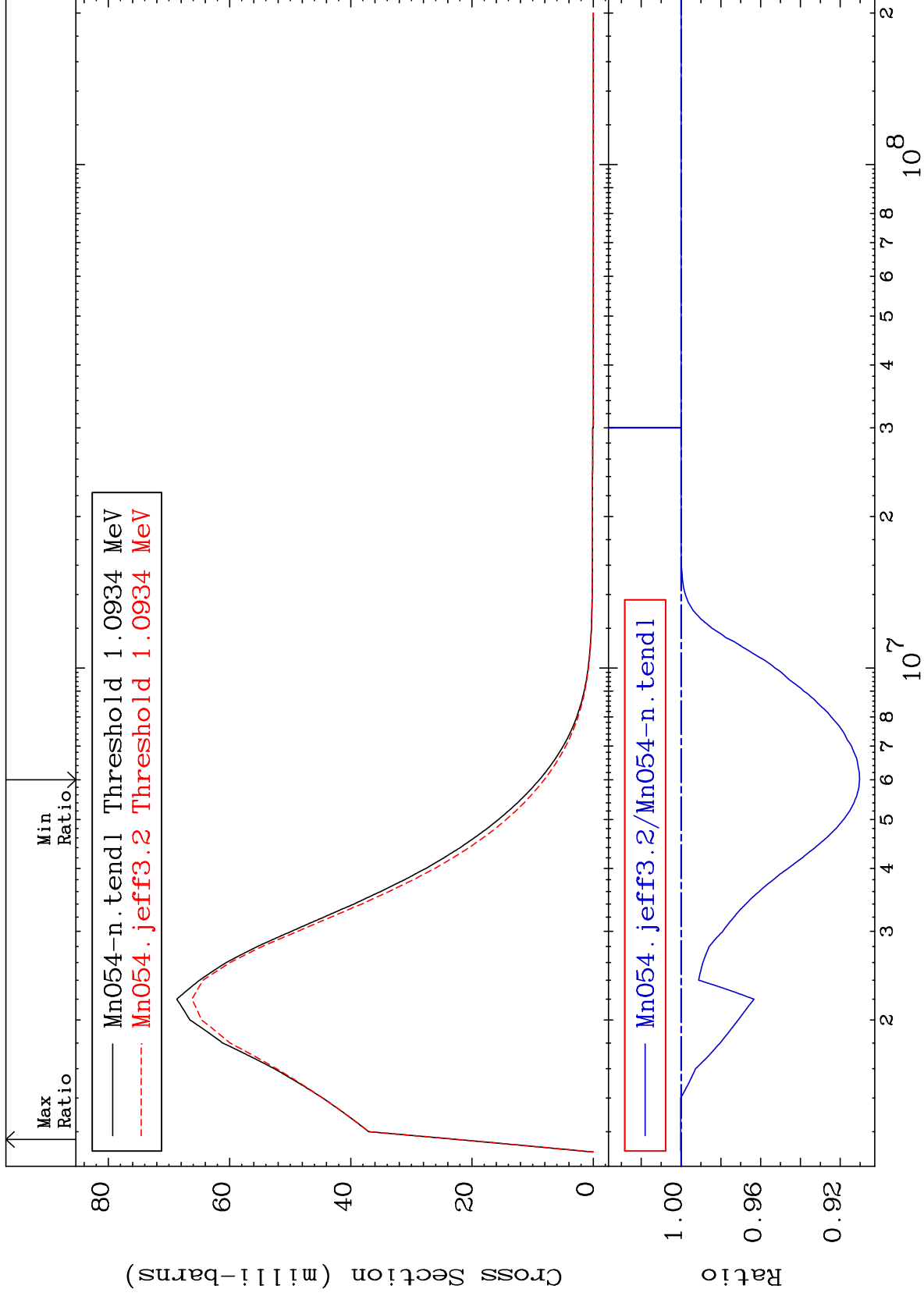
²⁵Mn-54
-8.908 To 0.059 %



23

Incident Energy (eV)

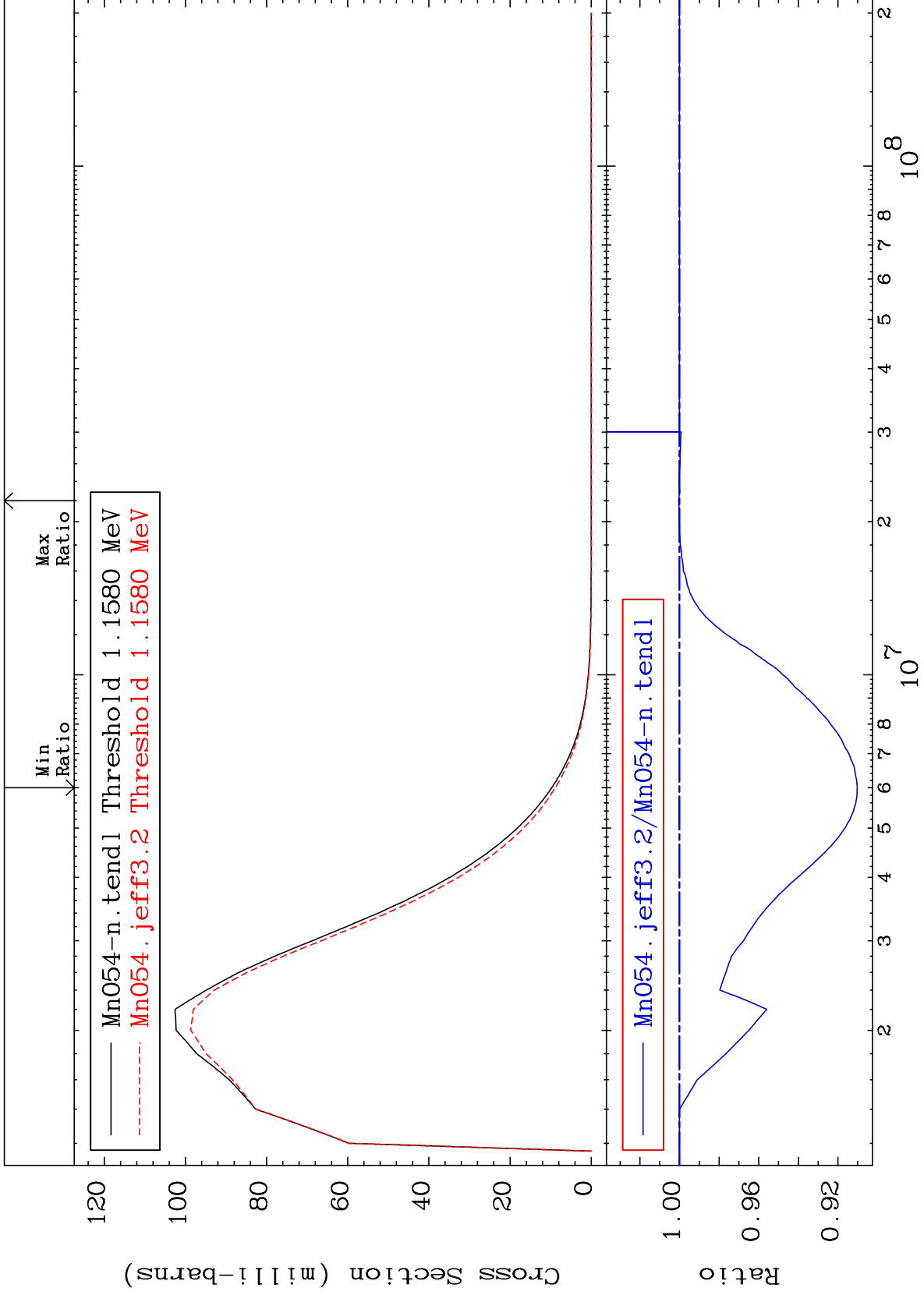
²⁵Mn-54

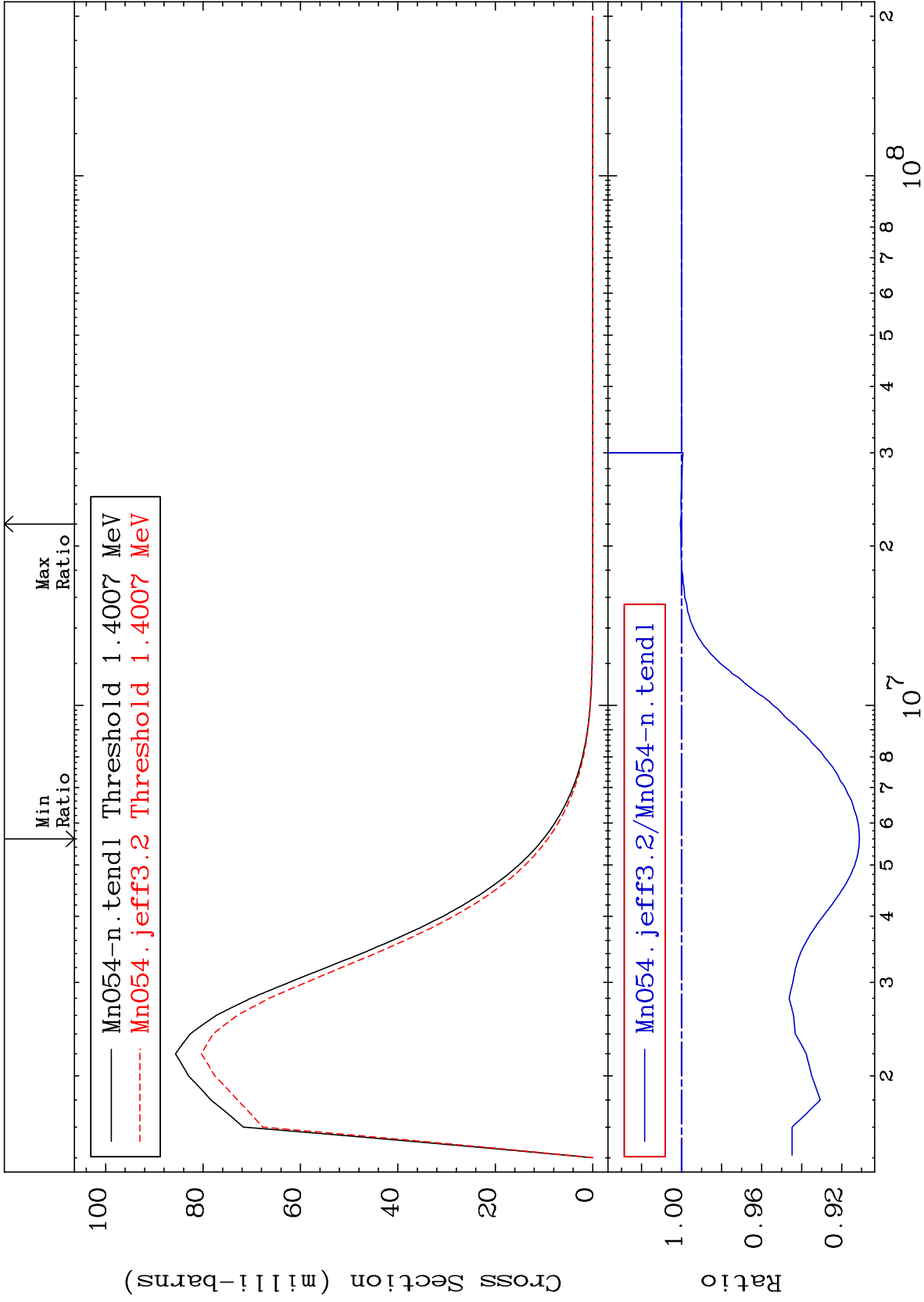


MAT 2522

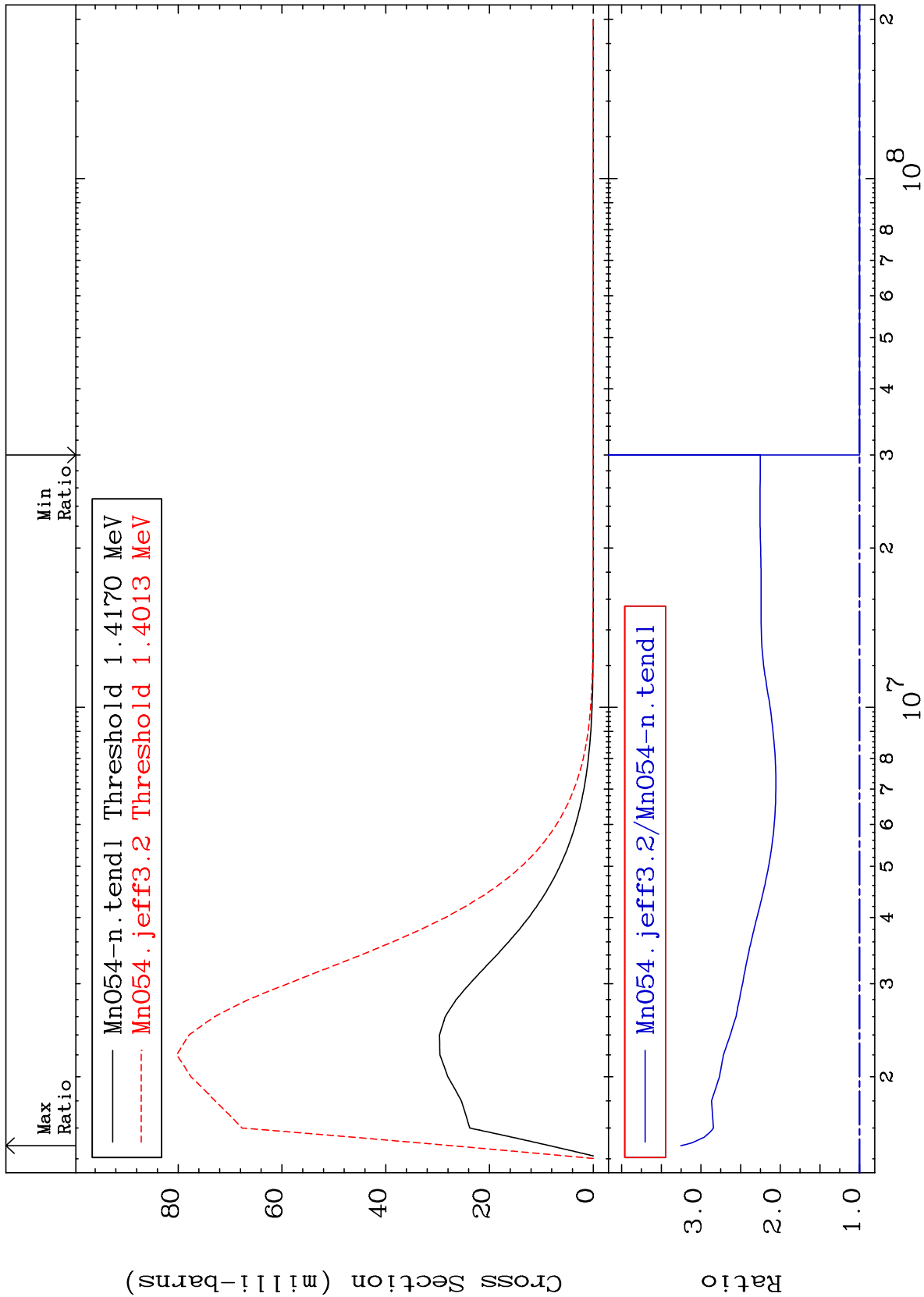
1.137 MeV (n,n') Level
Cross Section

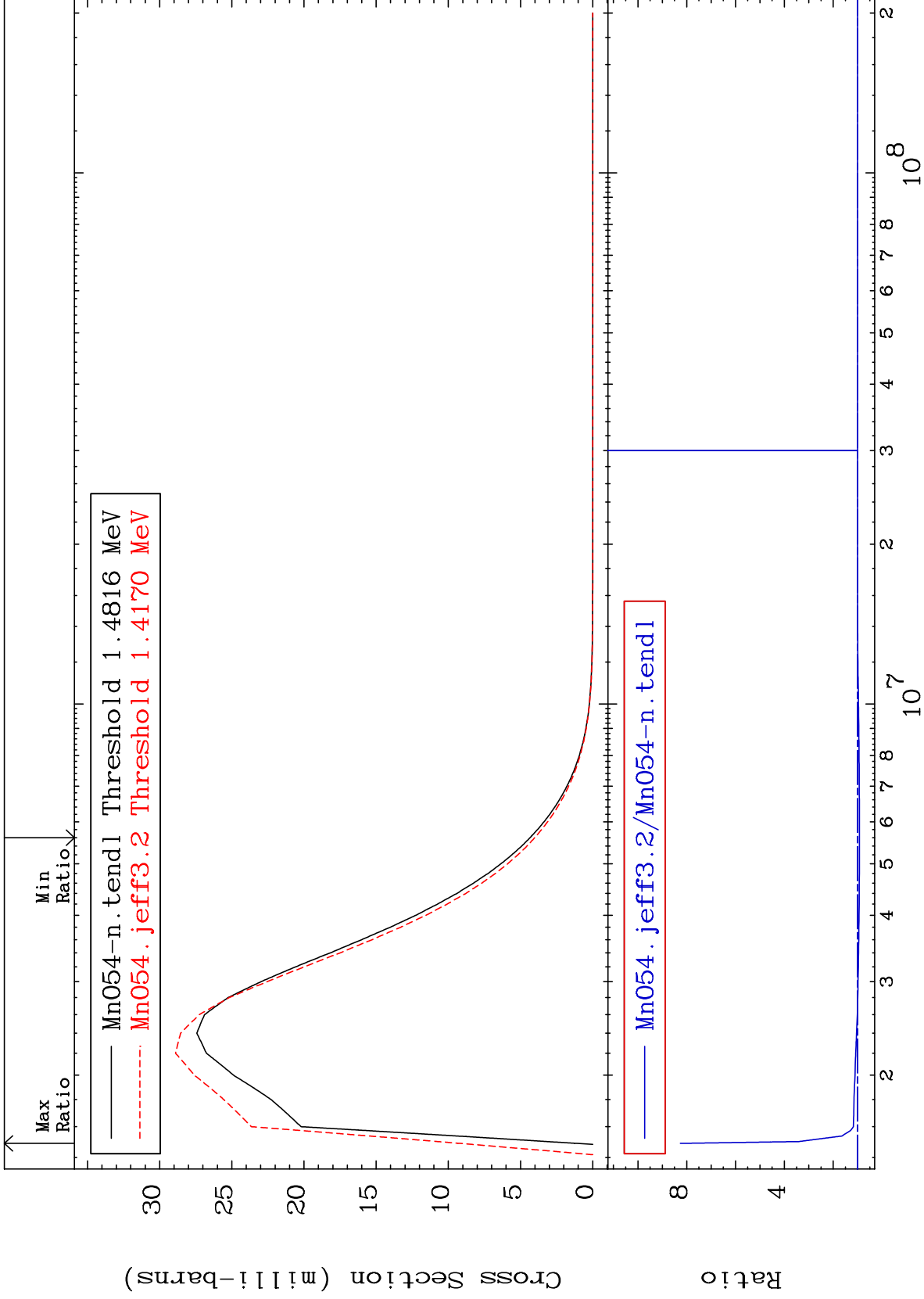
²⁵Mn-54
-8.975 To 0.044 %

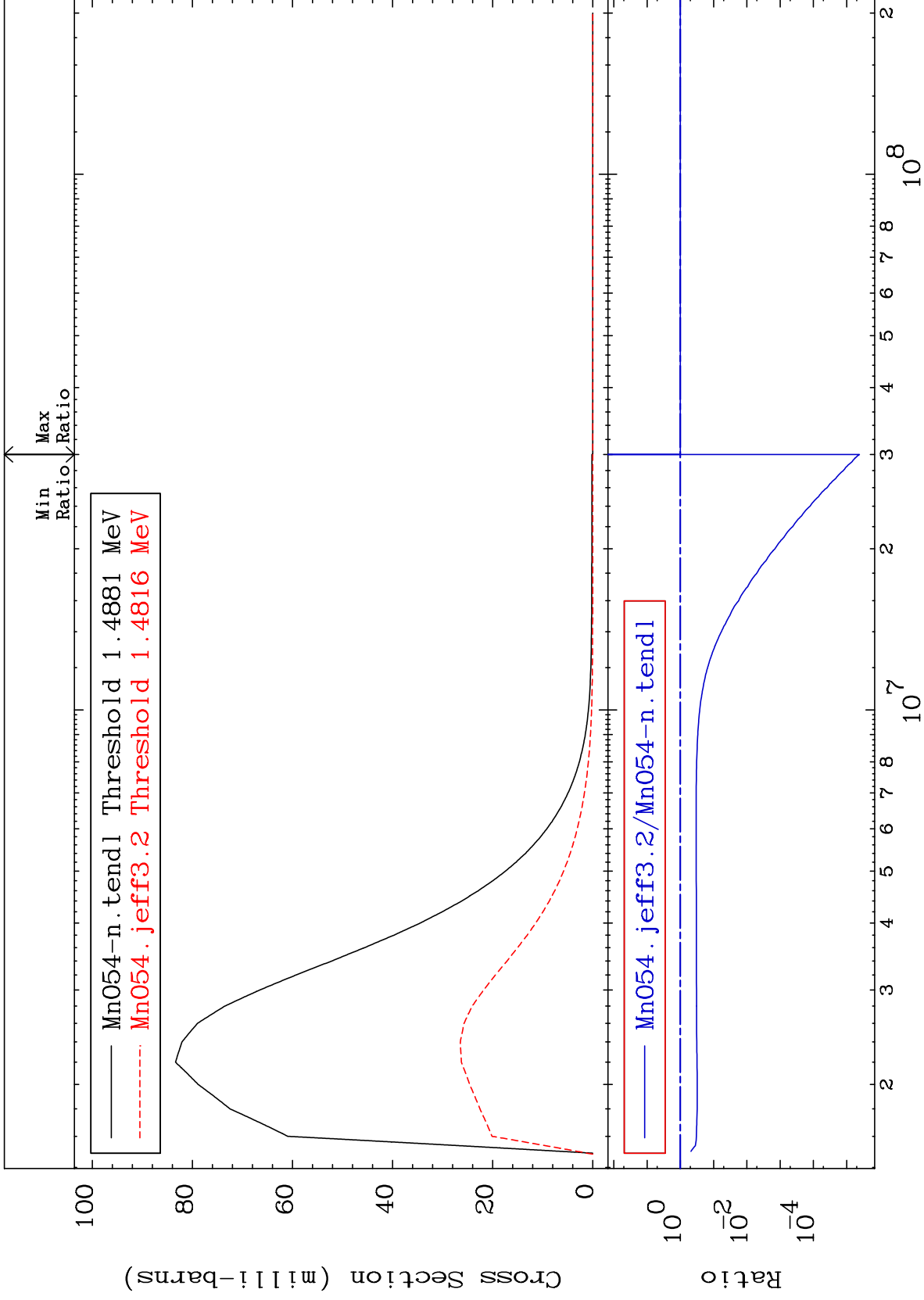




MAT 2522 1.391 MeV (n,n') Level 25-Mn-54
 Cross Section 0.000 To 225.4 %



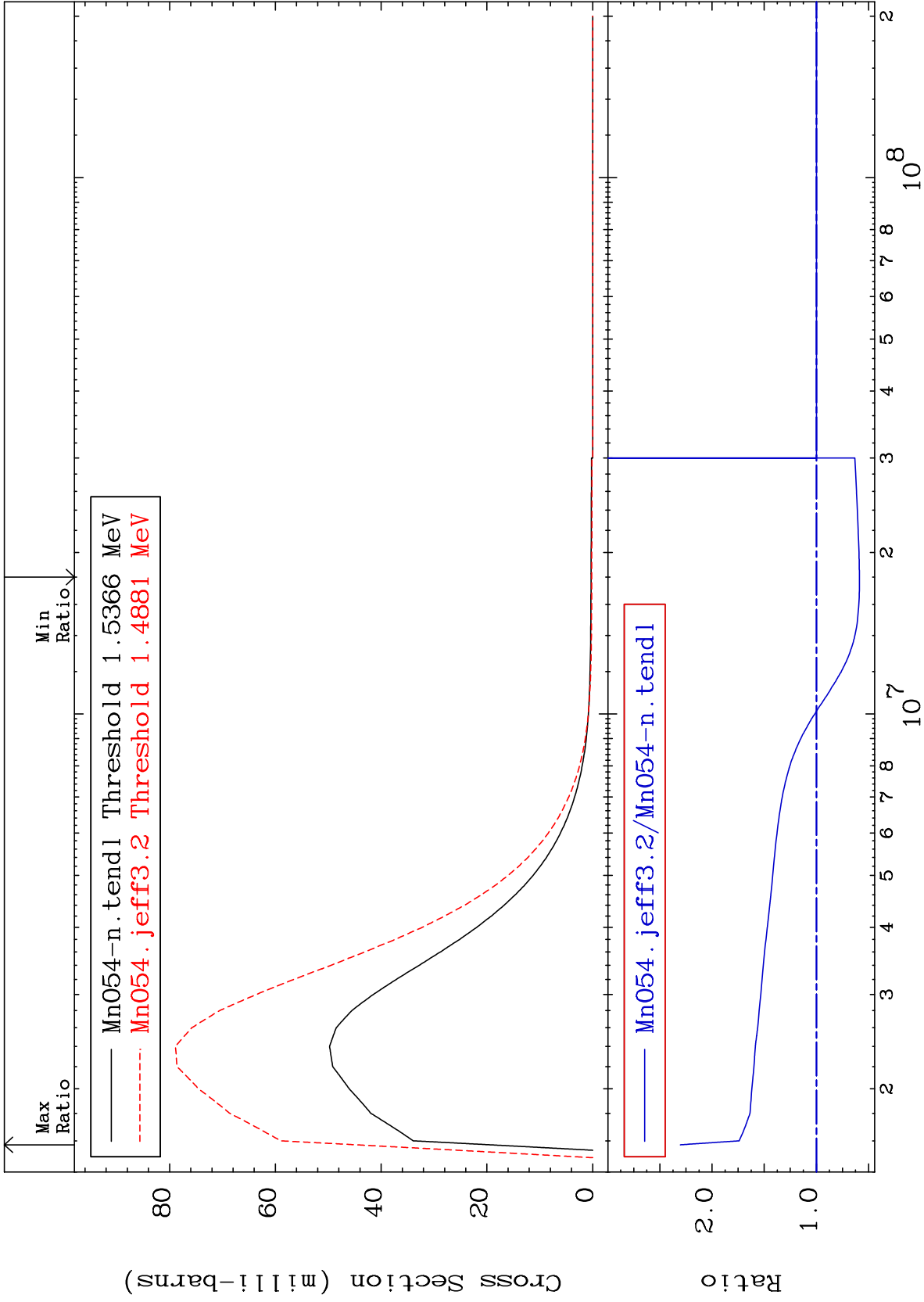




MAT 2522

1.508 MeV (n,n') Level
Cross Section

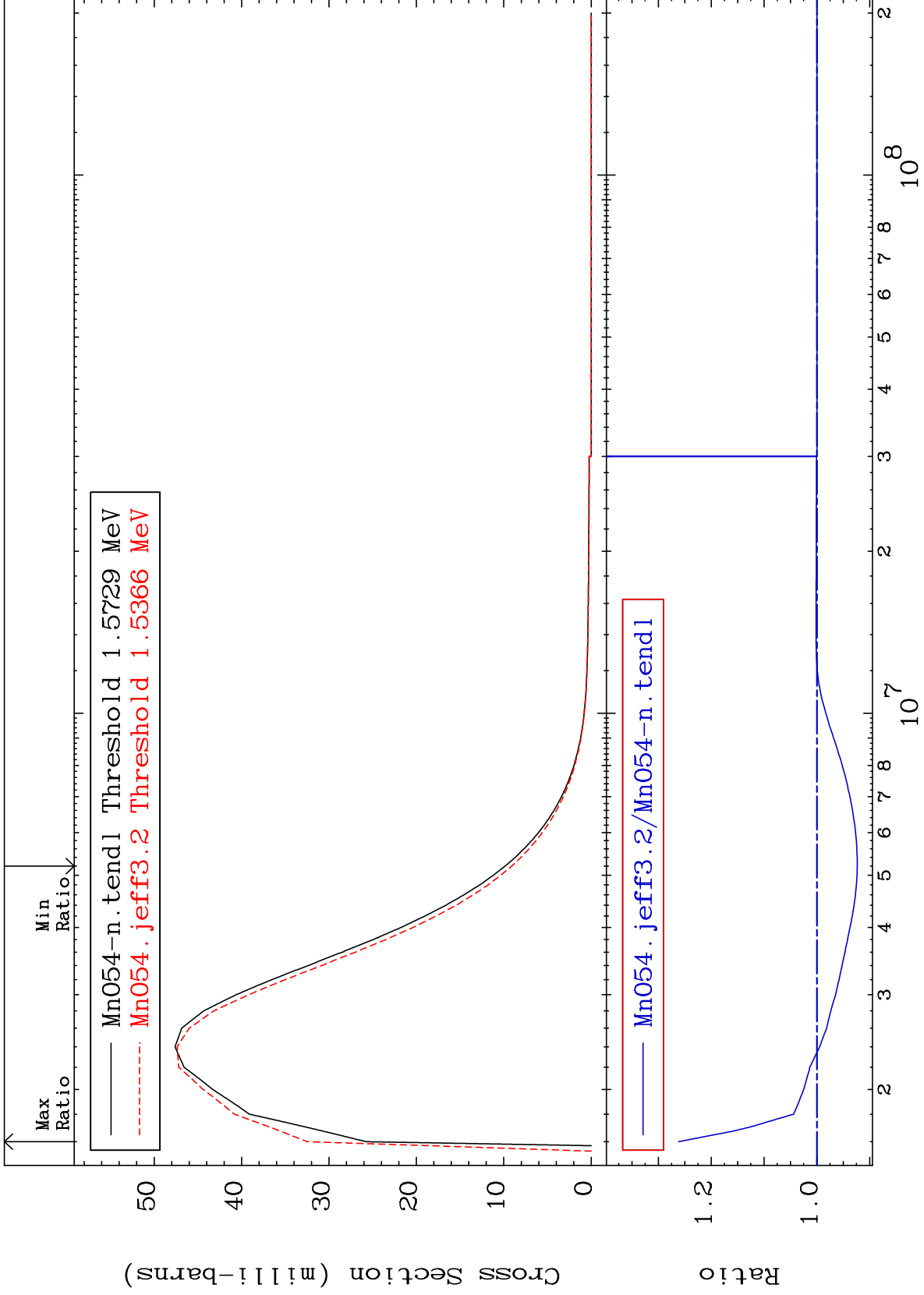
25-Mn-54
-41.26 To 130.4 %



30

Incident Energy (eV)

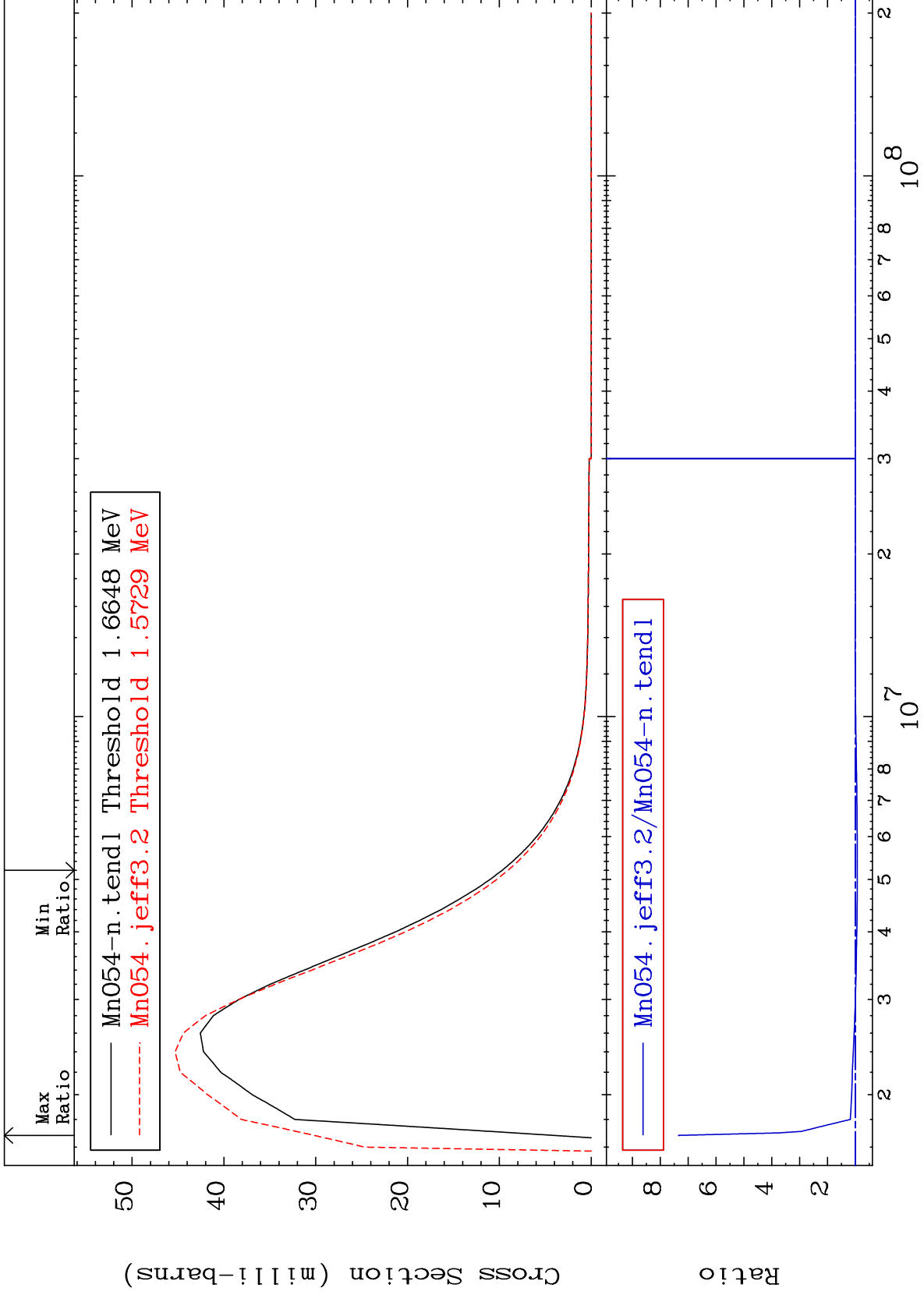
25-Mn-54



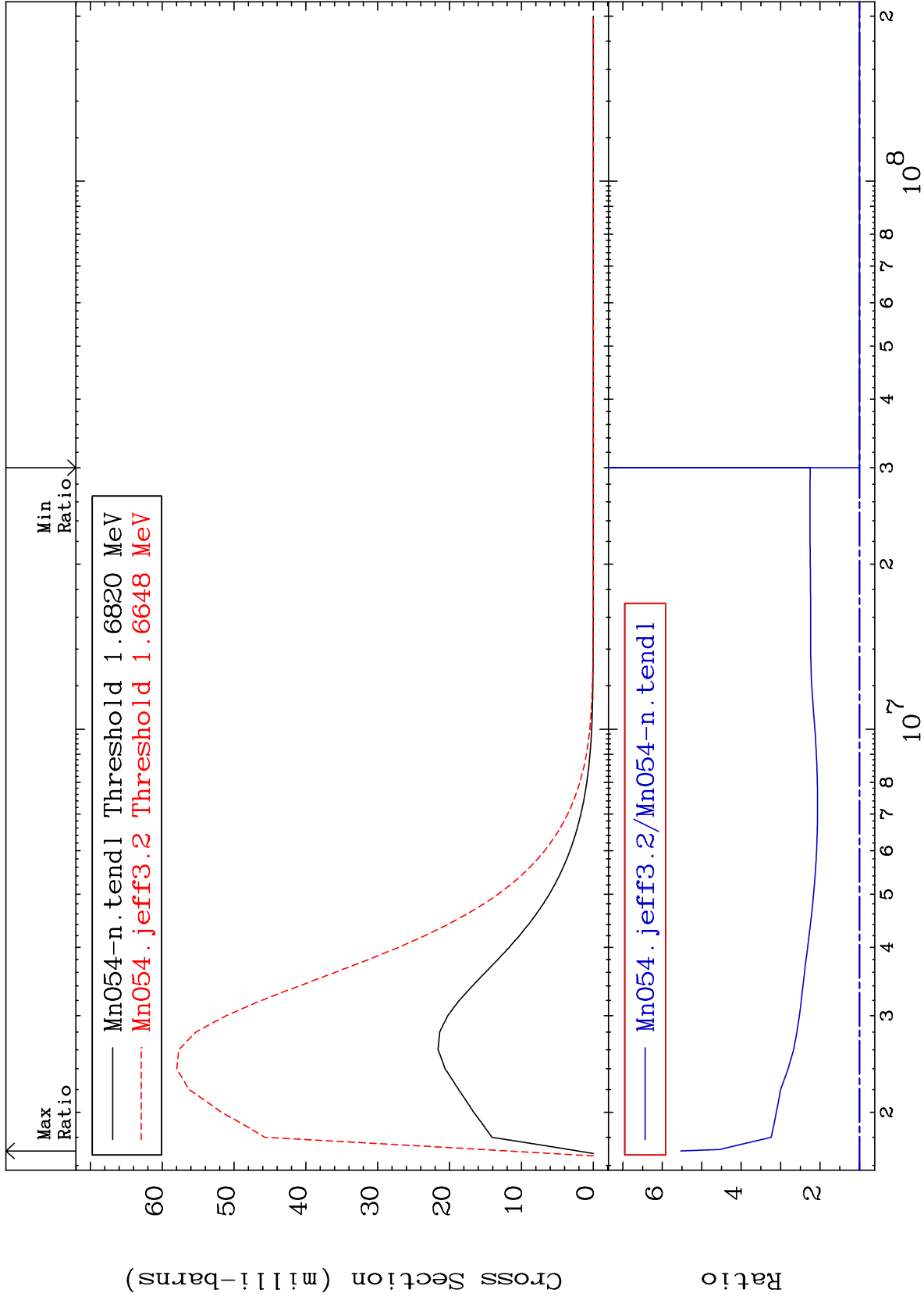
MAT 2522

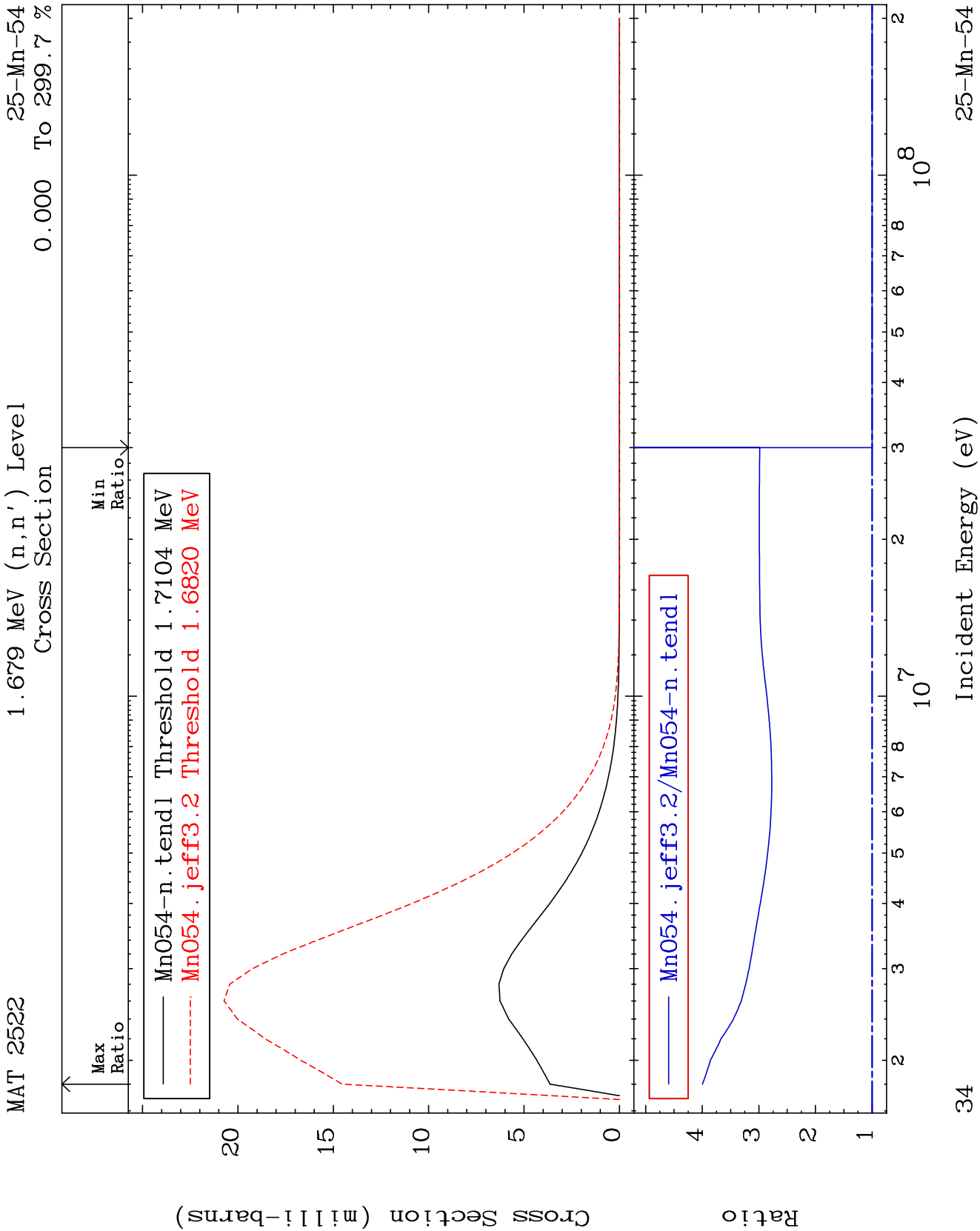
1.634 MeV (n,n') Level
Cross Section

²⁵Mn-54
-6.710 To 634.3 %



MAT 2522 1.651 MeV (n,n') Level 25-Mn-54
 Cross Section 0.000 To 453.1 %





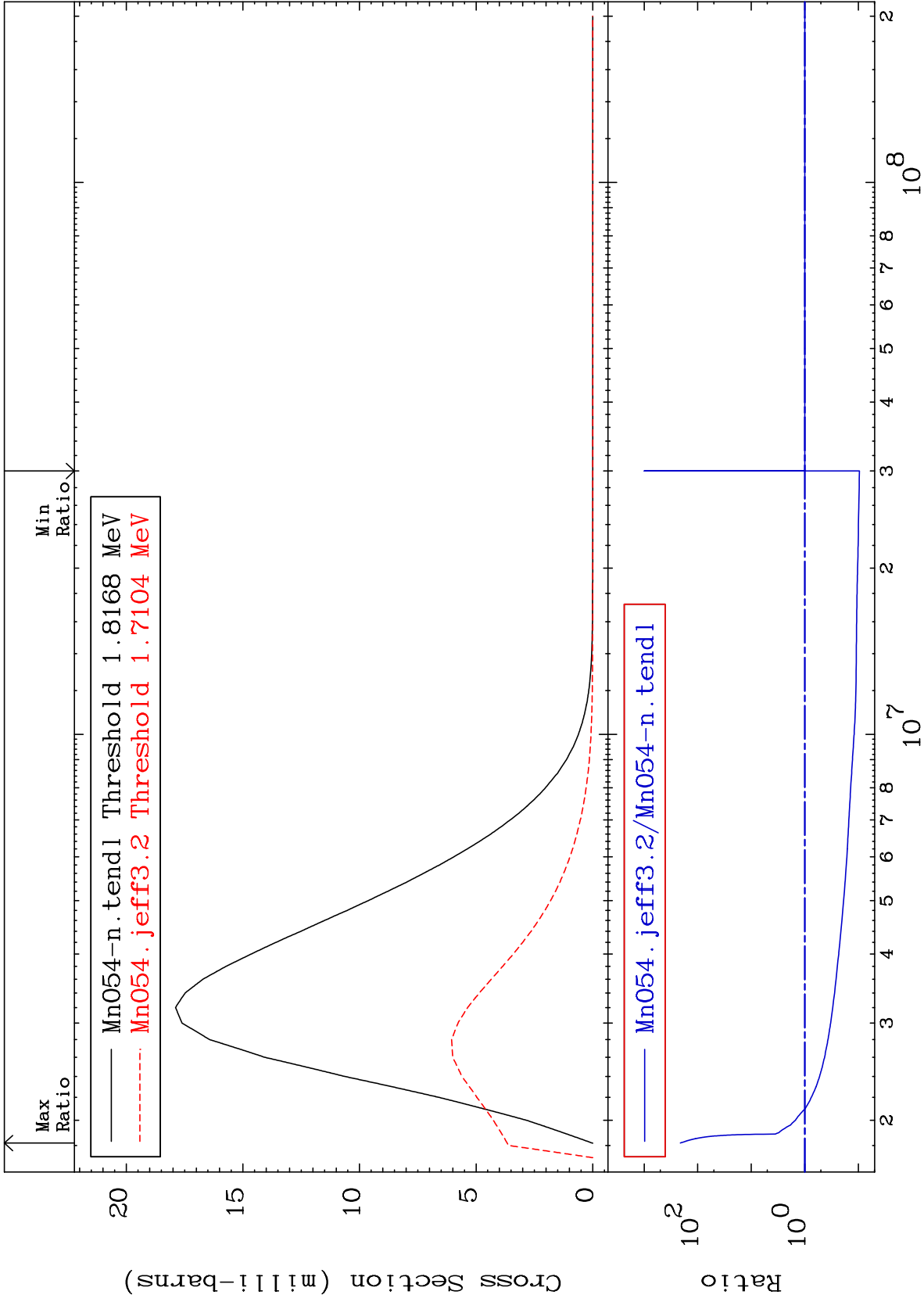
MAT 2522

1.783 MeV (n,n') Level

25-Mn-54

-90.48 To 9999. %

Cross Section



35

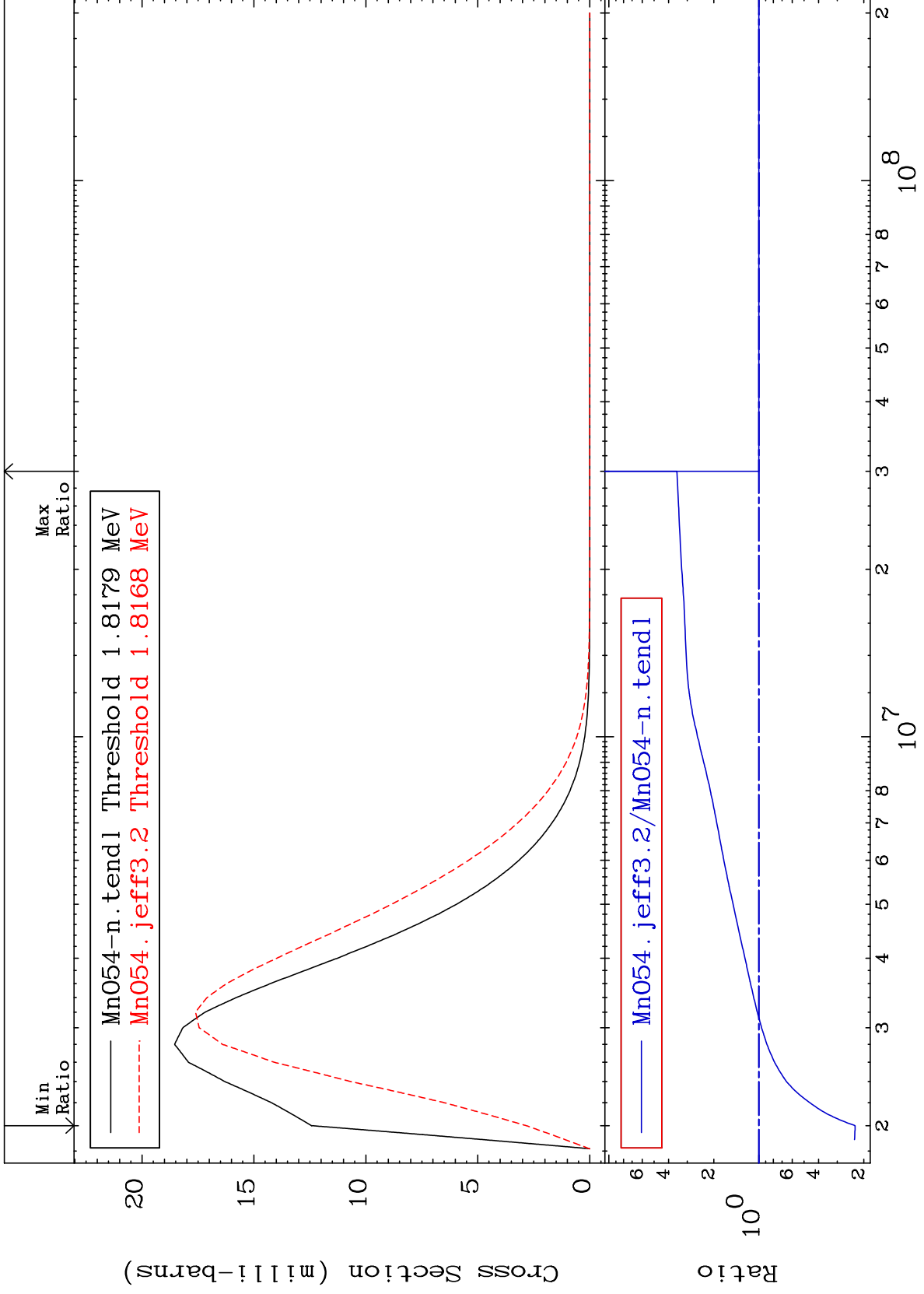
Incident Energy (eV)

25-Mn-54

MAT 2522

1.785 MeV (n,n') Level
Cross Section

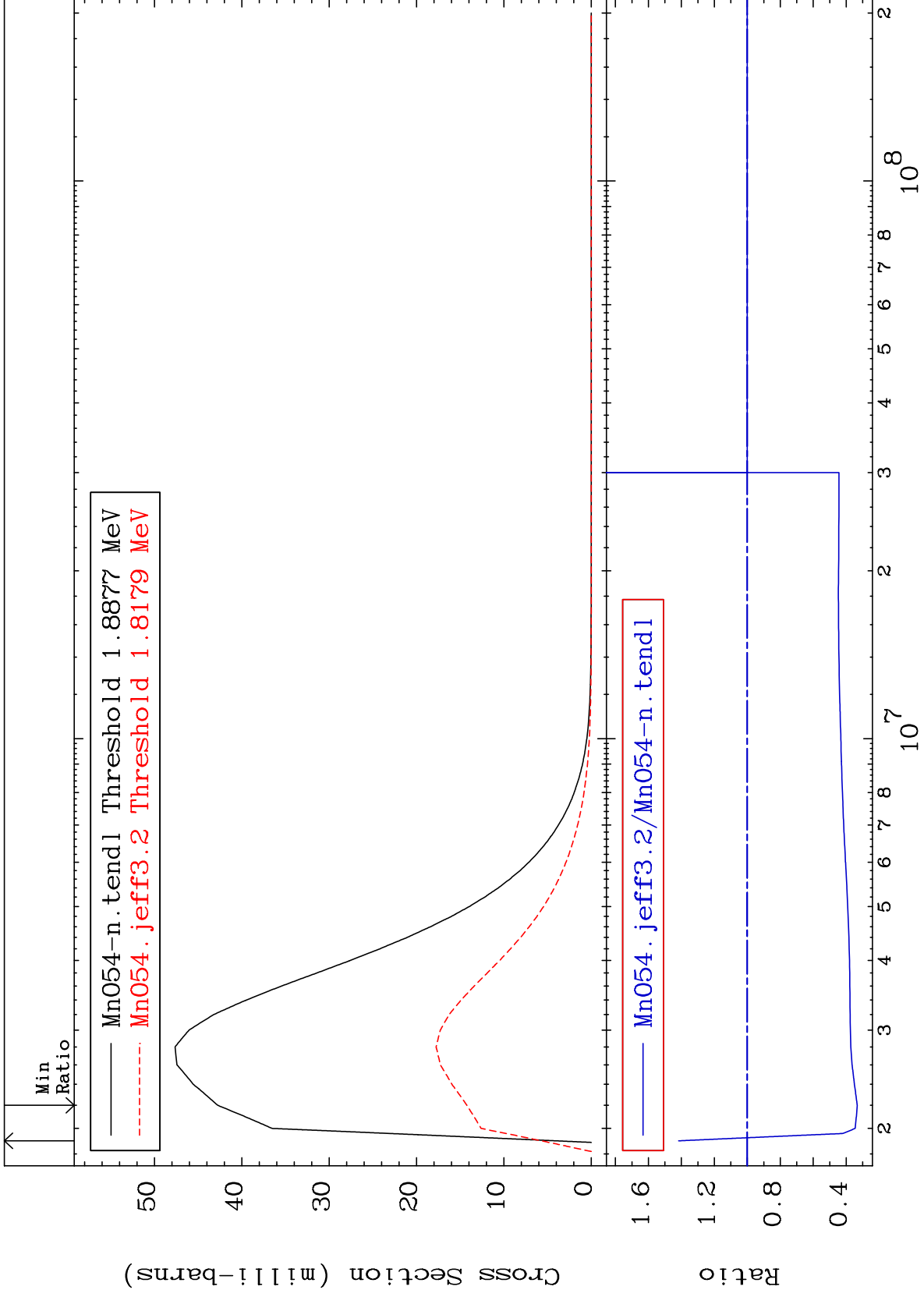
25-Mn-54
-77.17 To 252.0 %



MAT 2522

1.853 MeV (n,n') Level
Cross Section

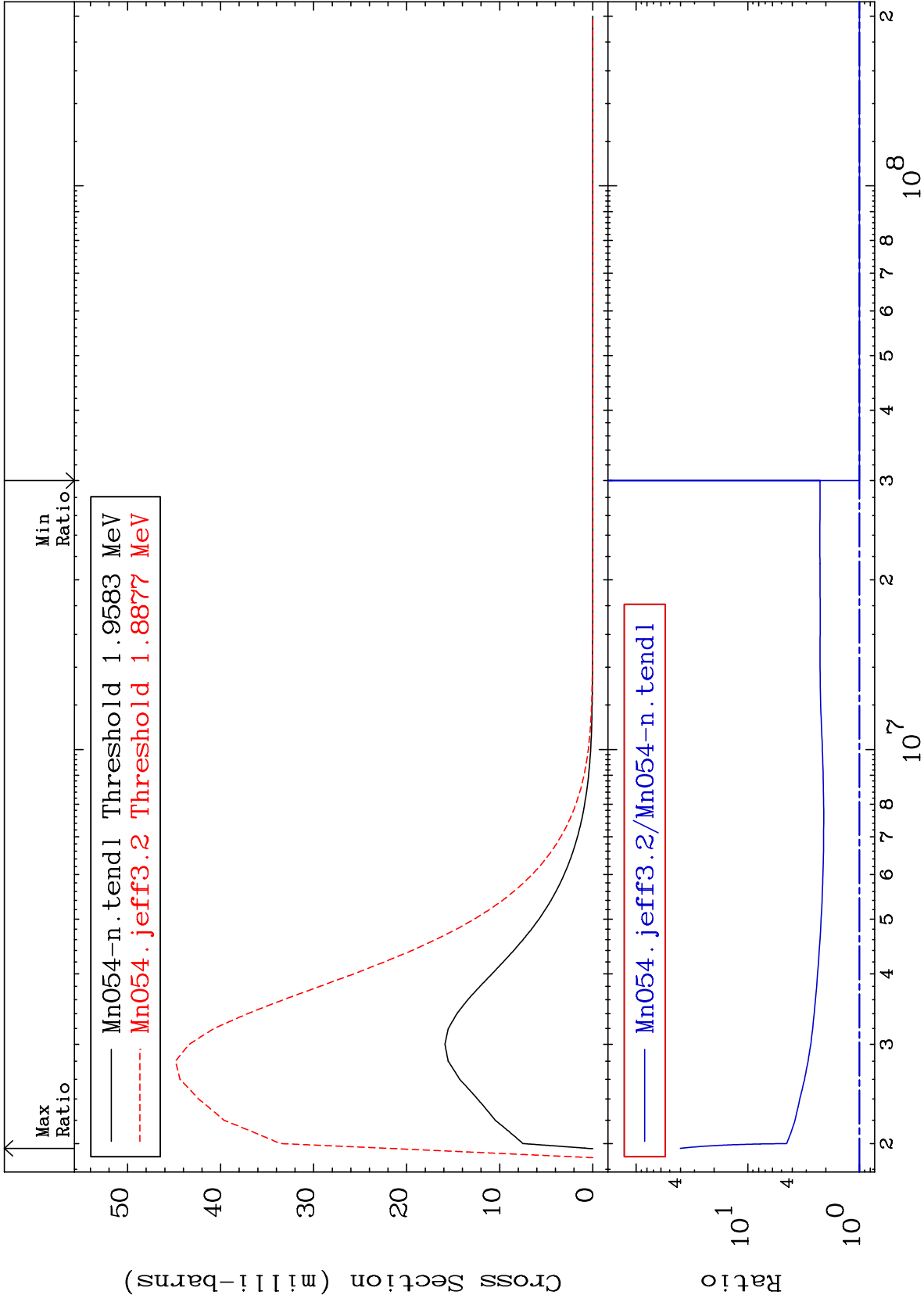
²⁵Mn-54
-66.70 To 41.66 %



MAT 2522

1.922 MeV (n,n') Level
Cross Section

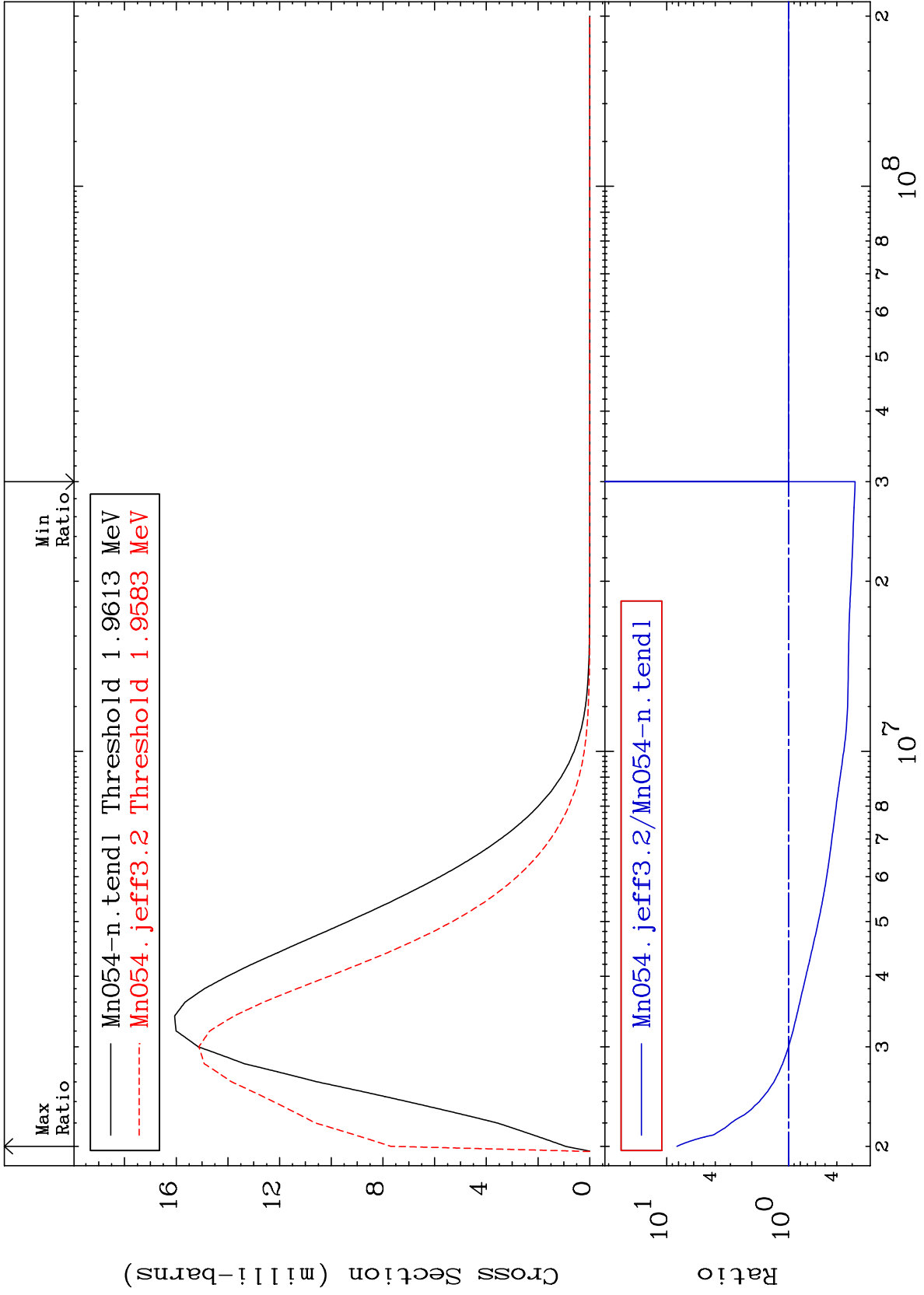
25-Mn-54
0.000 To 3919. %



MAT 2522

1.925 MeV (n,n') Level
Cross Section

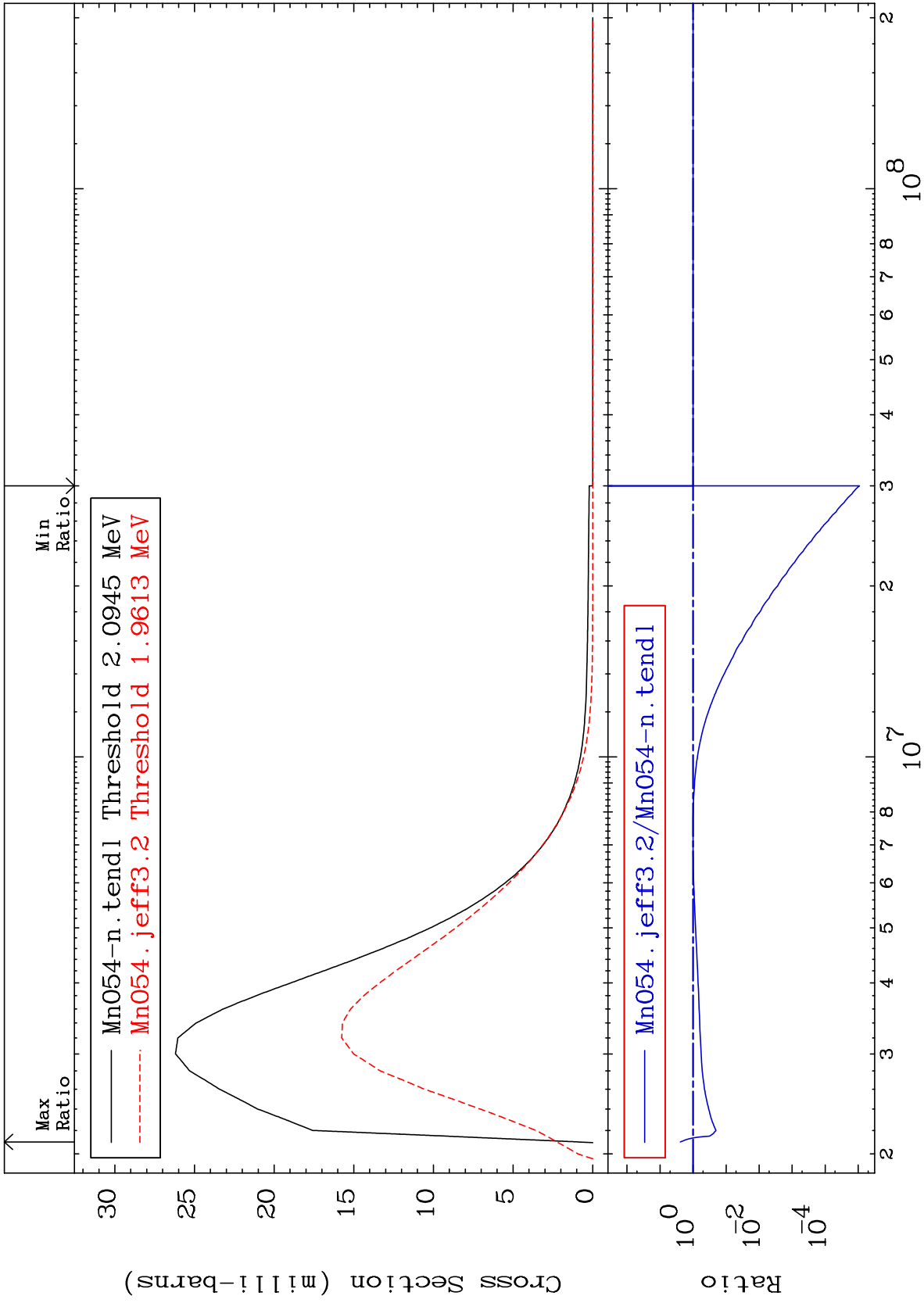
25-Mn-54
-71.65 To 725.3 %



MAT 2522

2.056 MeV (n,n') Level
Cross Section

25-Mn-54
-100.0 To 142.8 %



40

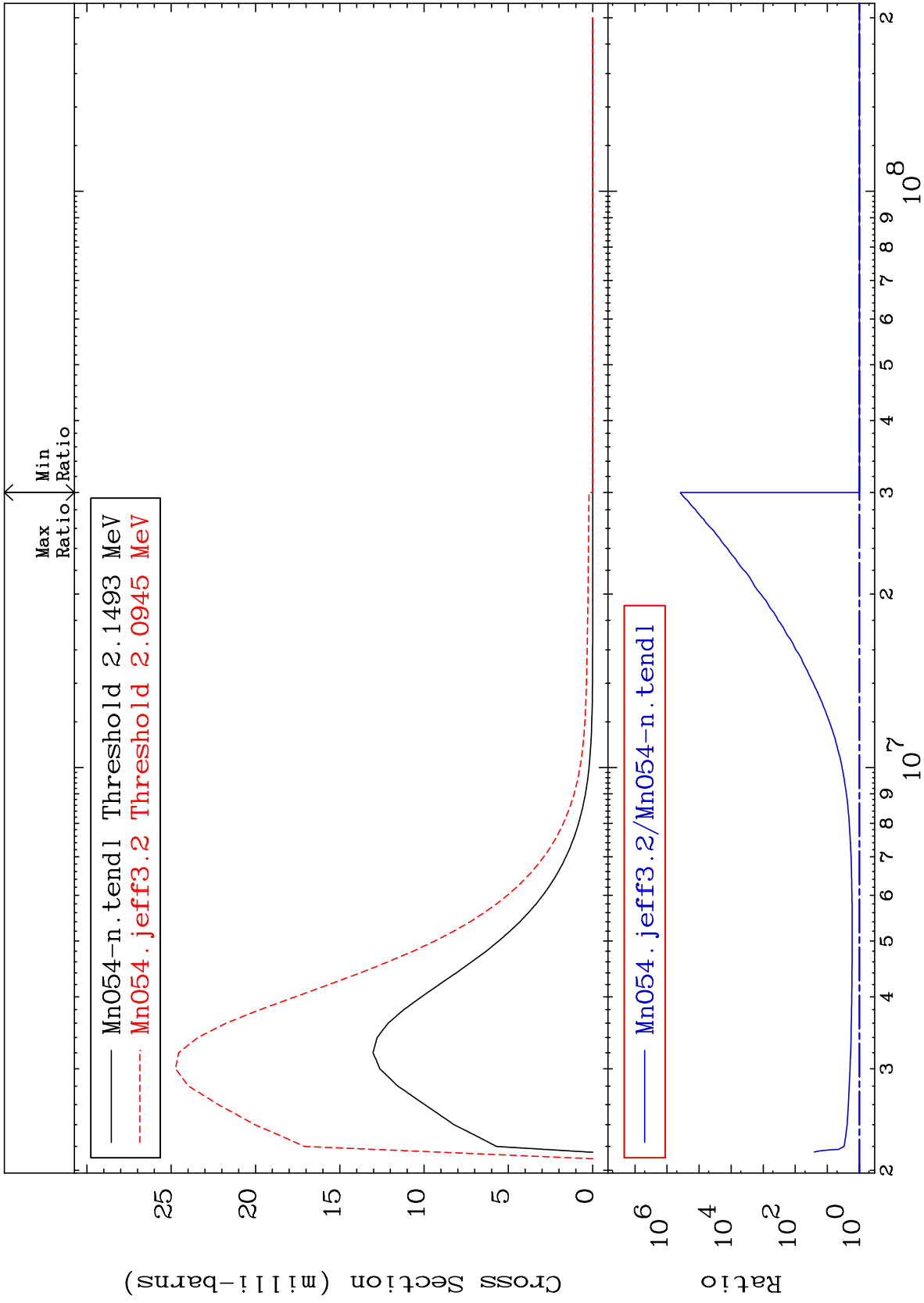
Incident Energy (eV)

25-Mn-54

MAT 2522

2.110 MeV (n,n') Level
Cross Section

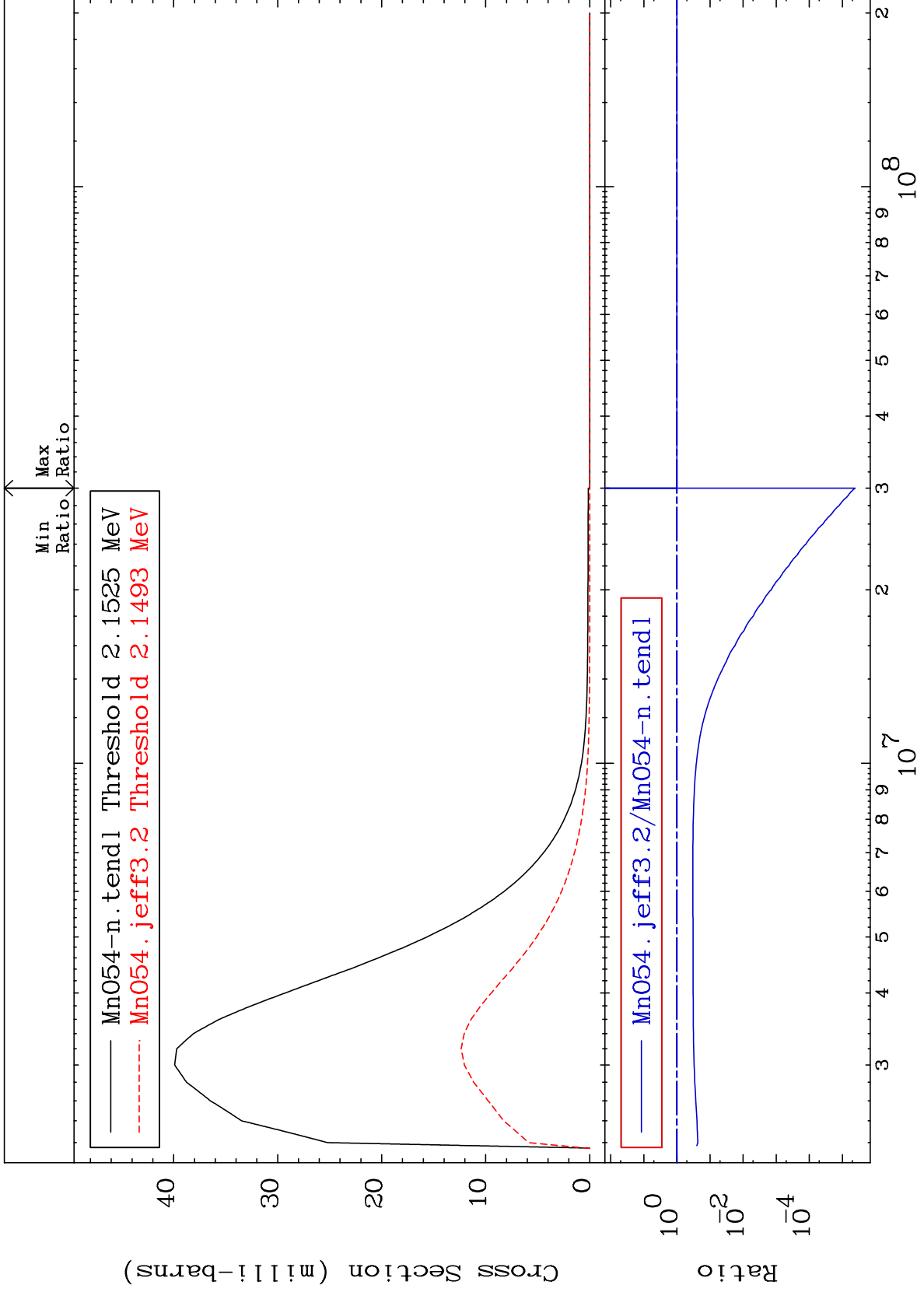
25-Mn-54
0.000 To 9999. %



MAT 2522

2.113 MeV (n,n') Level
Cross Section

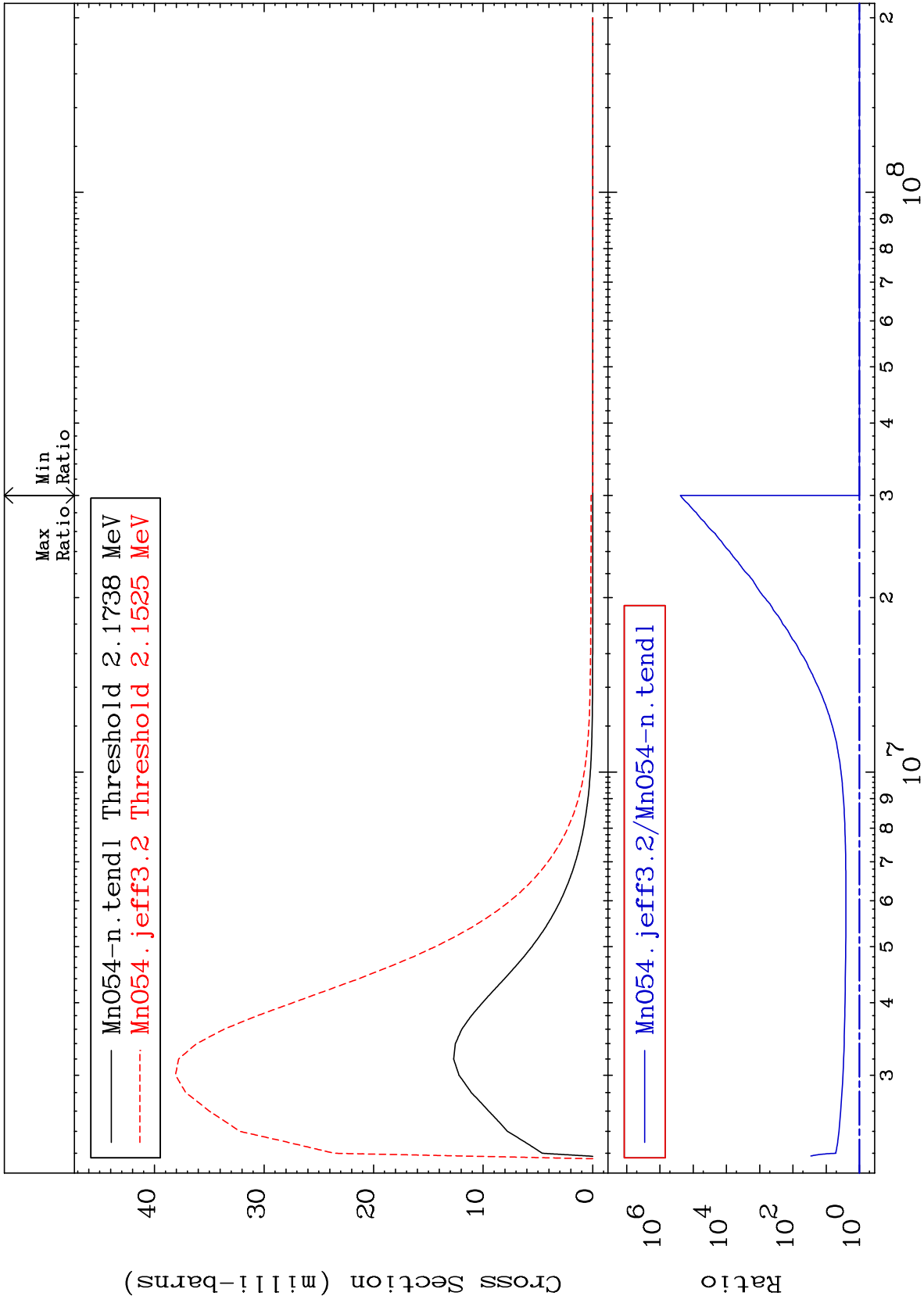
25-Mn-54
-100.0 To 0.000 %

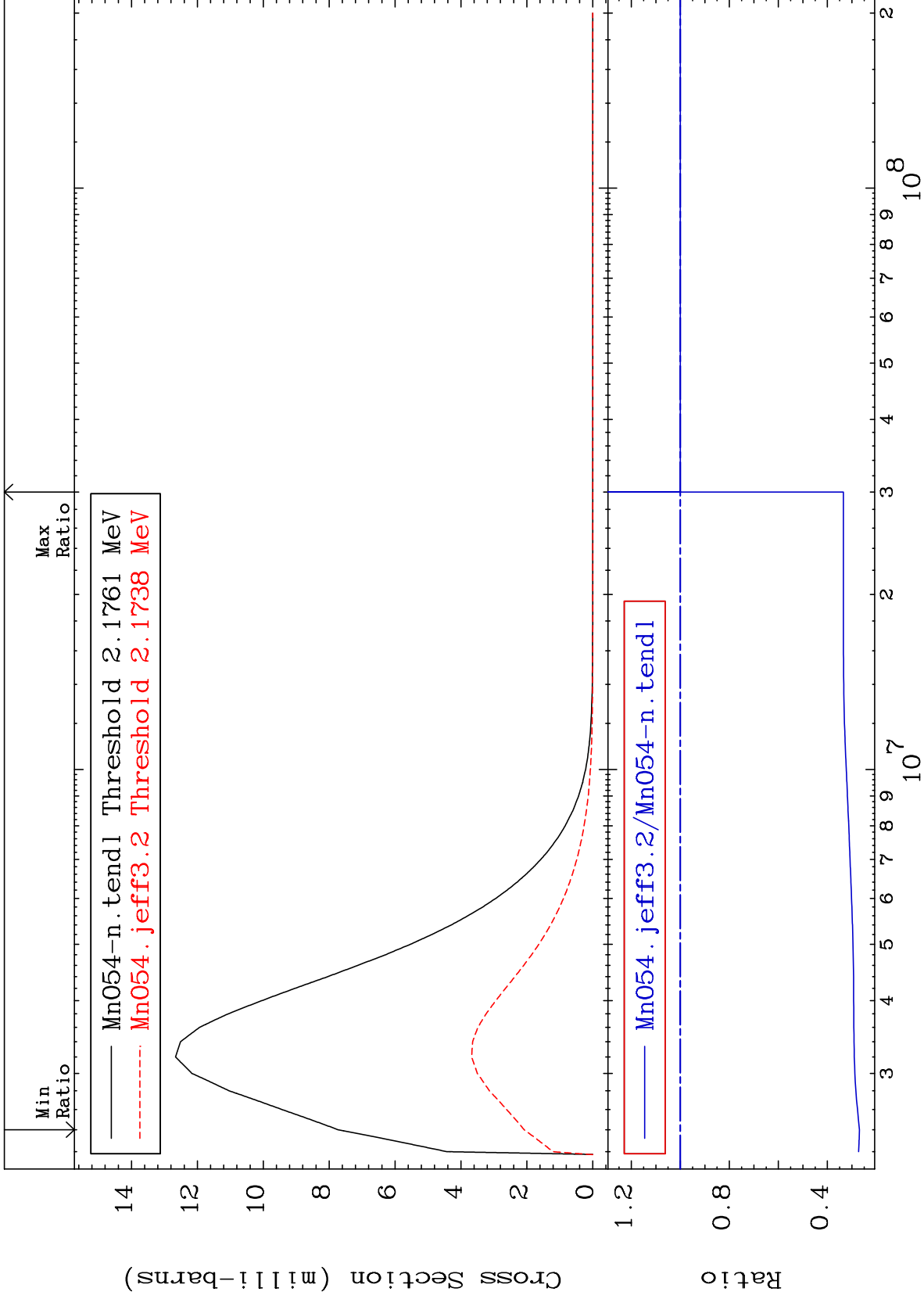


MAT 2522

2.134 MeV (n,n') Level
Cross Section

25-Mn-54
To 9999. %

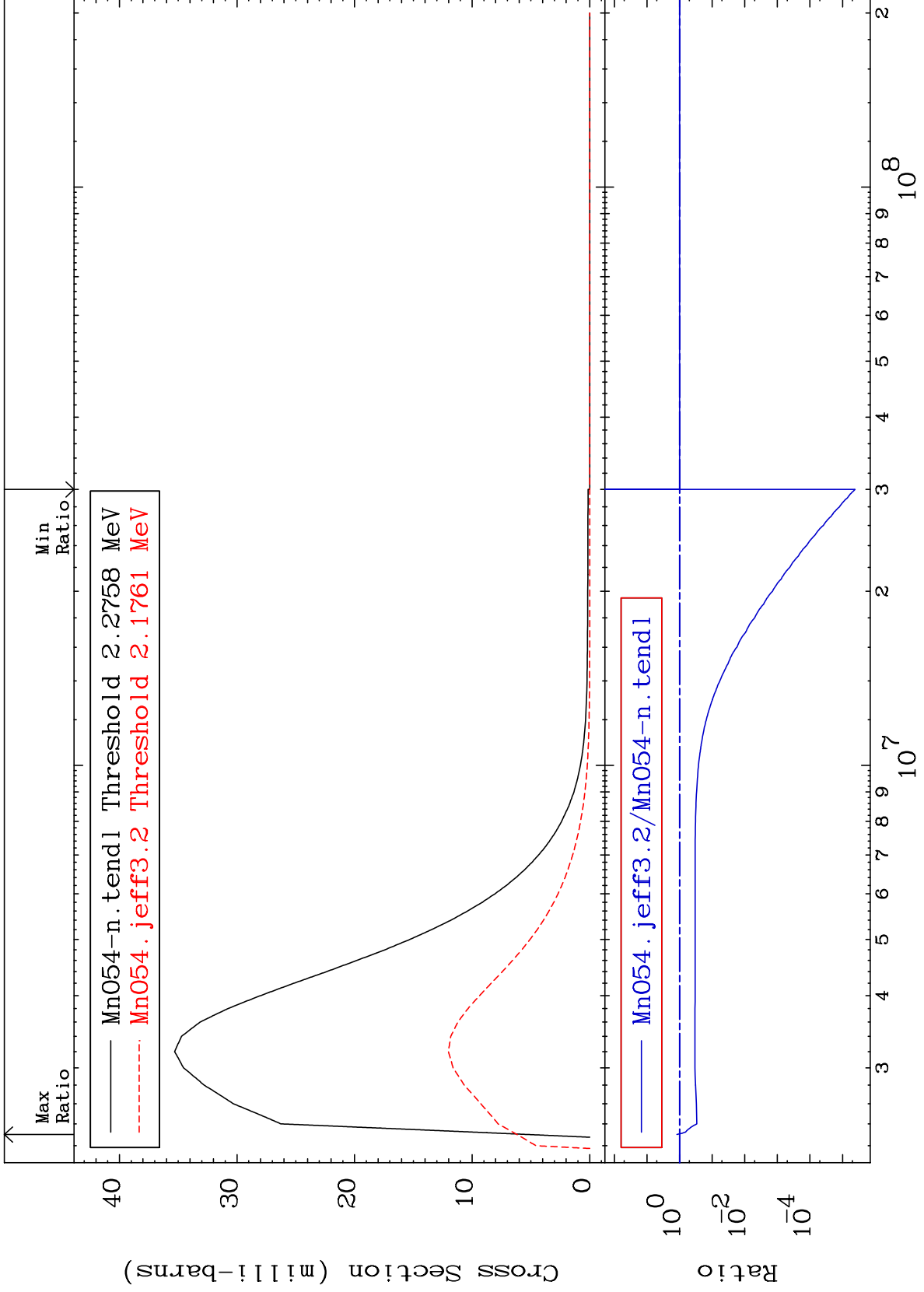




MAT 2522

2.234 MeV (n,n') Level
Cross Section

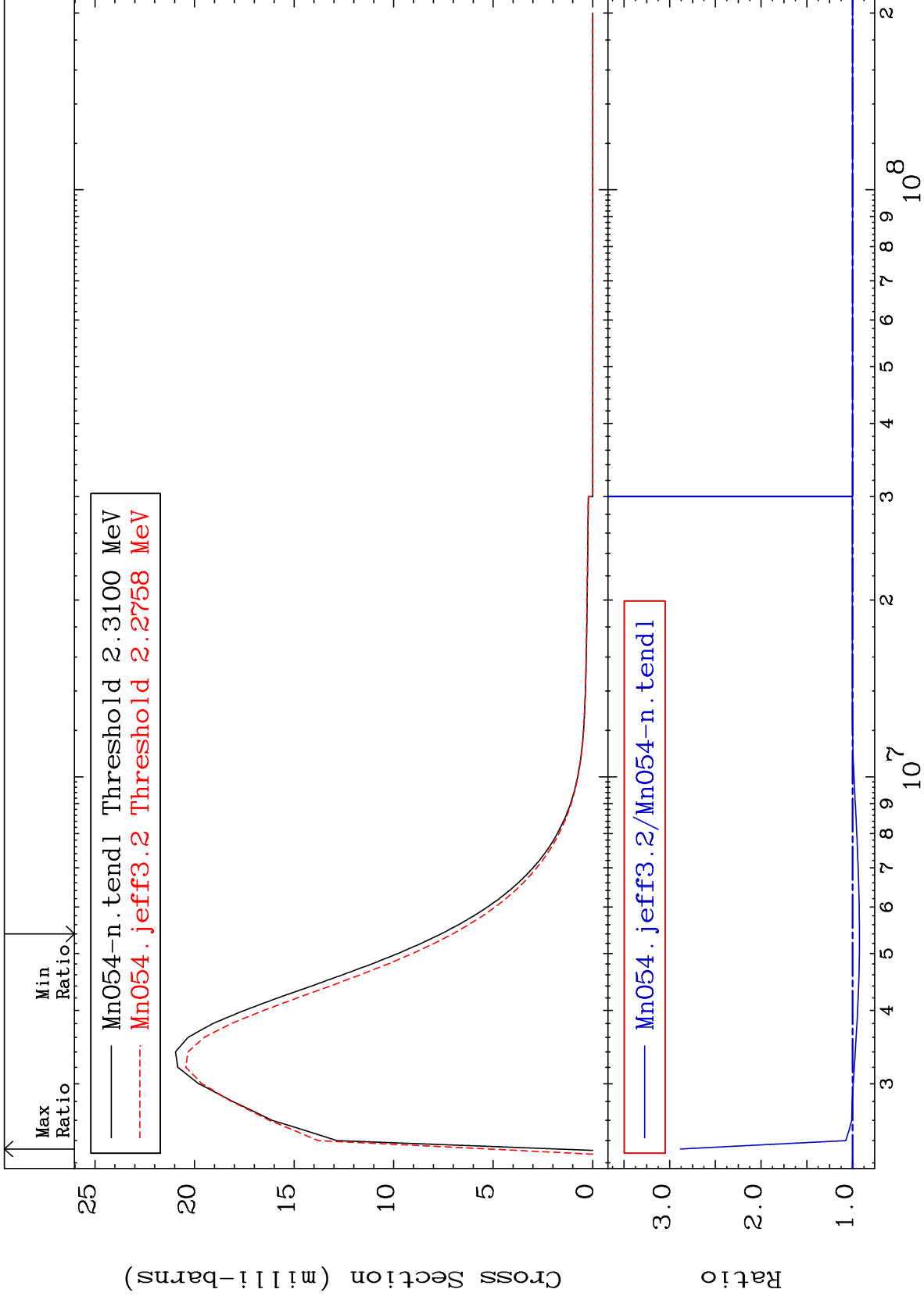
25-Mn-54
-100.0 To 20.64 %



MAT 2522

2.268 MeV (n,n') Level
Cross Section

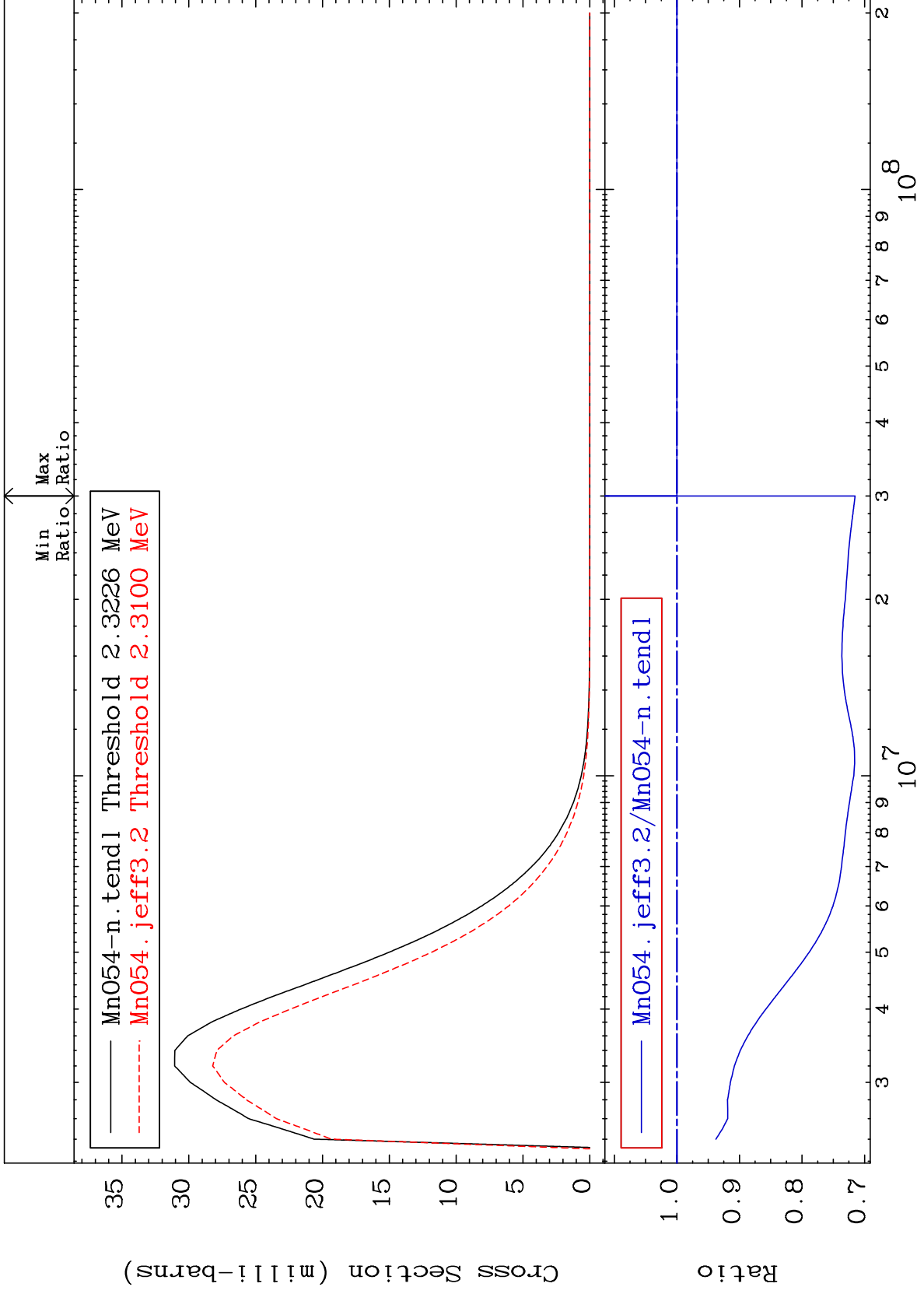
25-Mn-54
-7.594 To 188.3 %



MAT 2522

2.280 MeV (n,n') Level
Cross Section

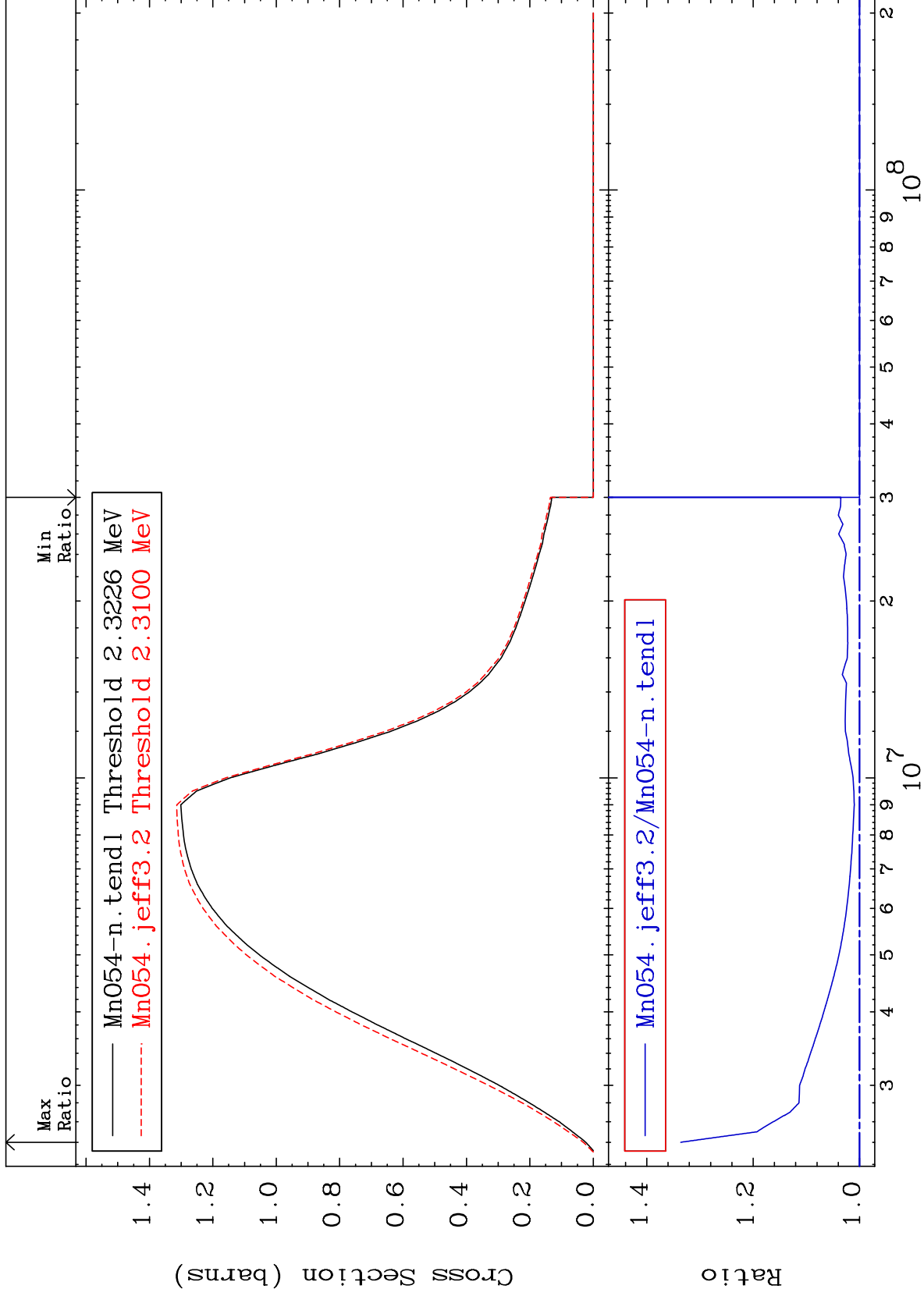
25-Mn-54
-28.48 To 0.000 %

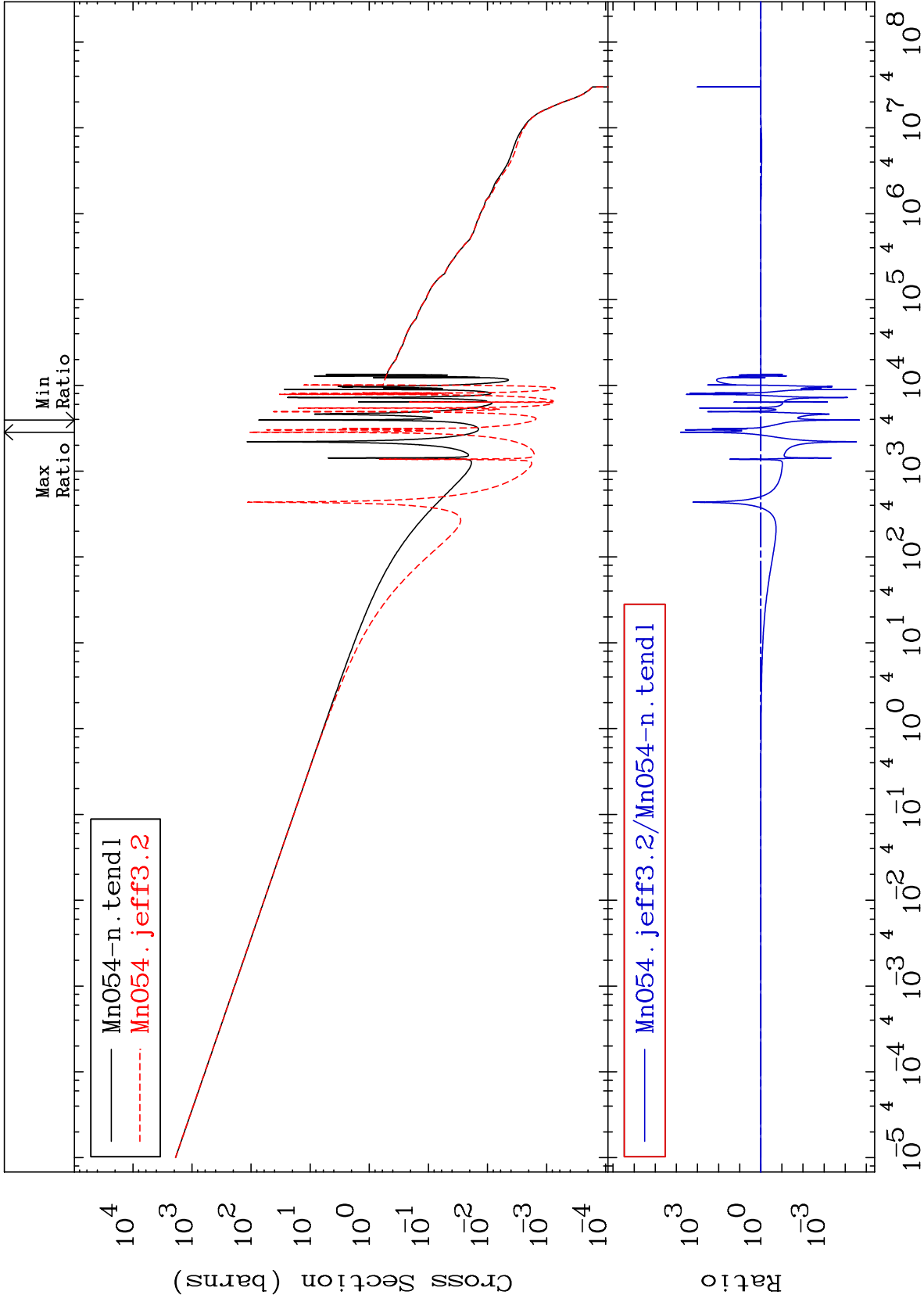


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Incident Energy (eV)

25-Mn-54





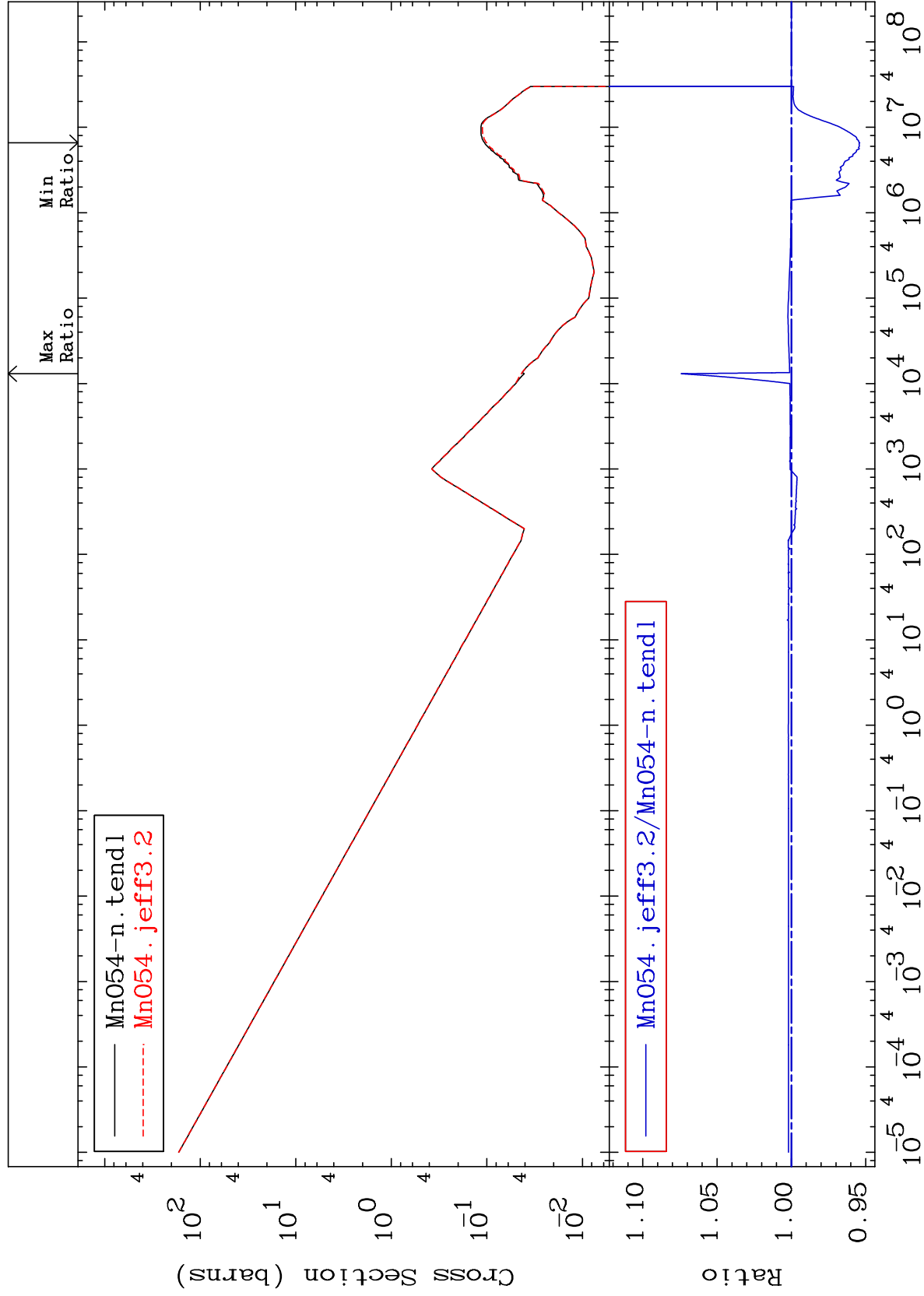
MAT 2522

(n,p)

25-Mn-54

Cross Section

-4.599 To 7.400 %



50

Incident Energy (eV)

25-Mn-54

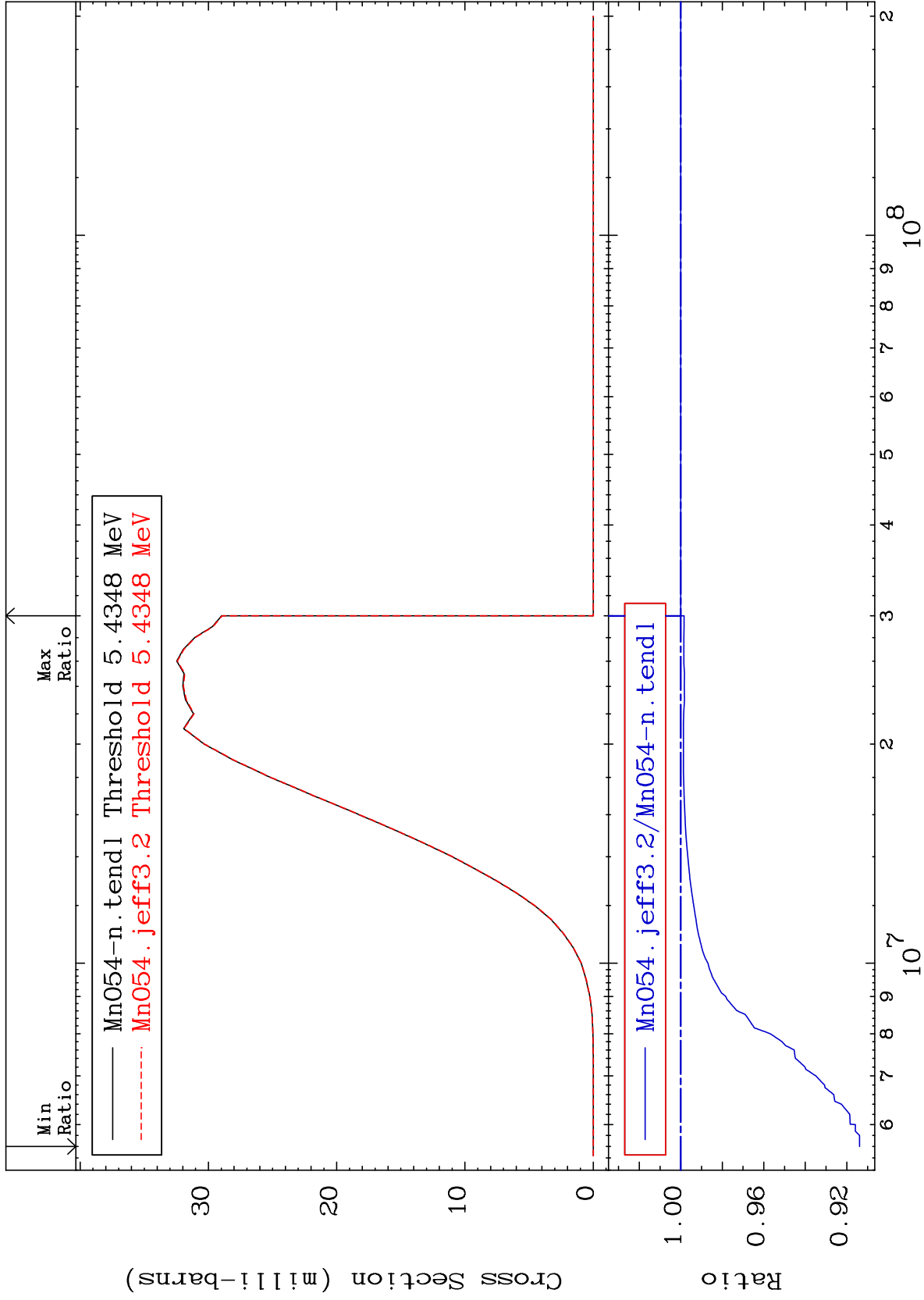
MAT 2522

(n, d)

²⁵Mn-54

Cross Section

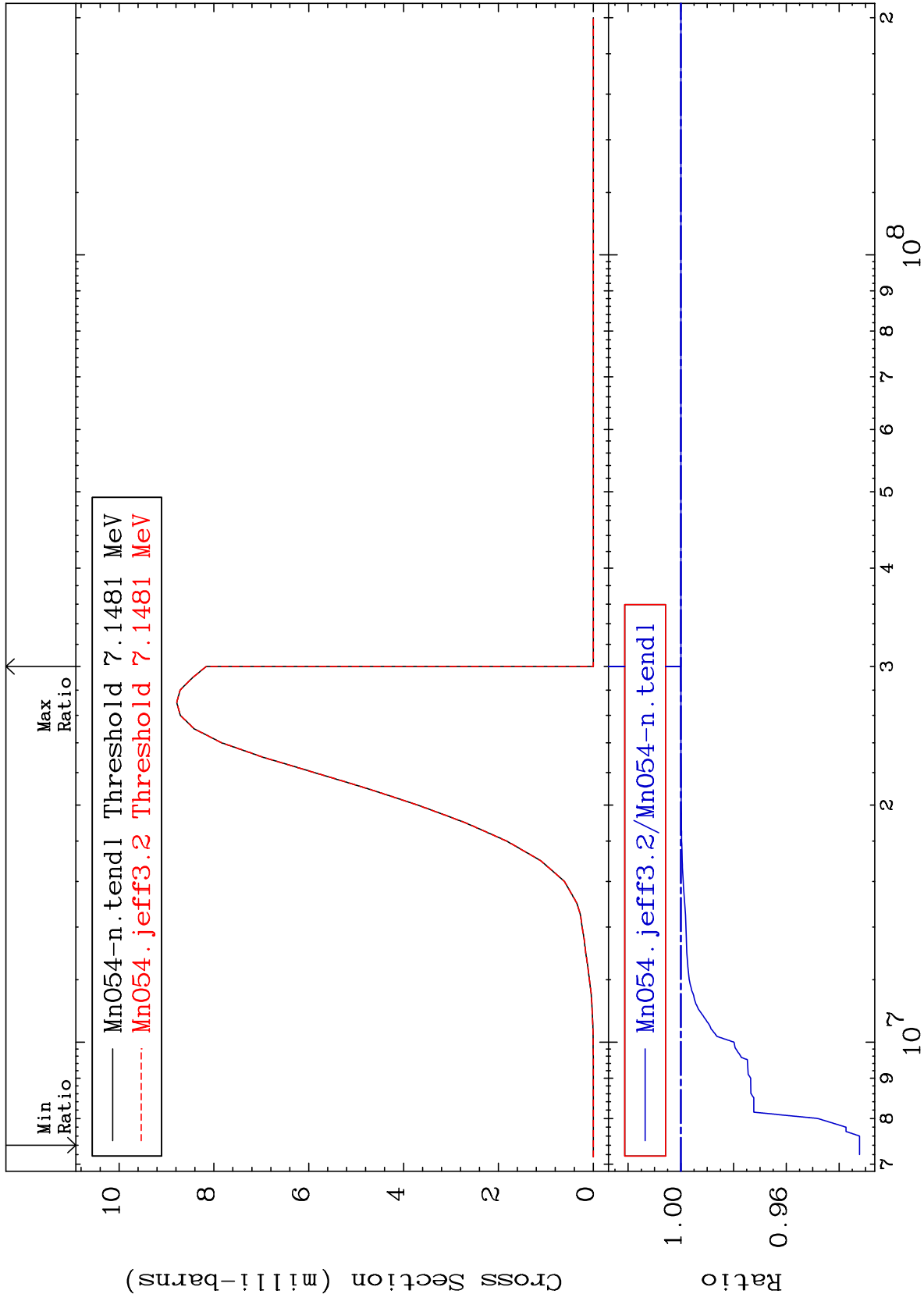
-8.613 To 0.000 %



MAT 2522

(n, t)
Cross Section

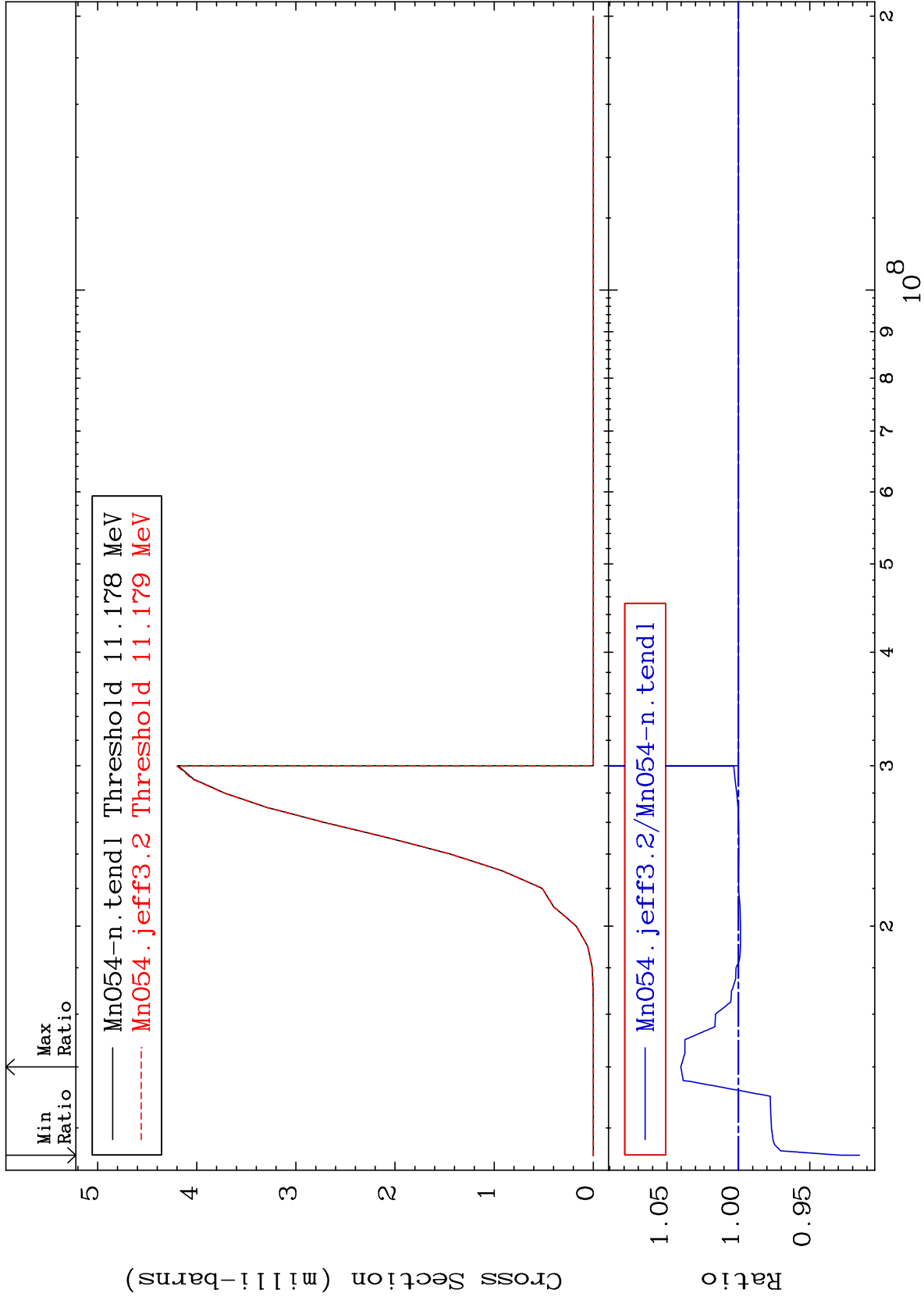
²⁵Mn-54
-6.774 To 0.003 %



52

Incident Energy (eV)

²⁵Mn-54



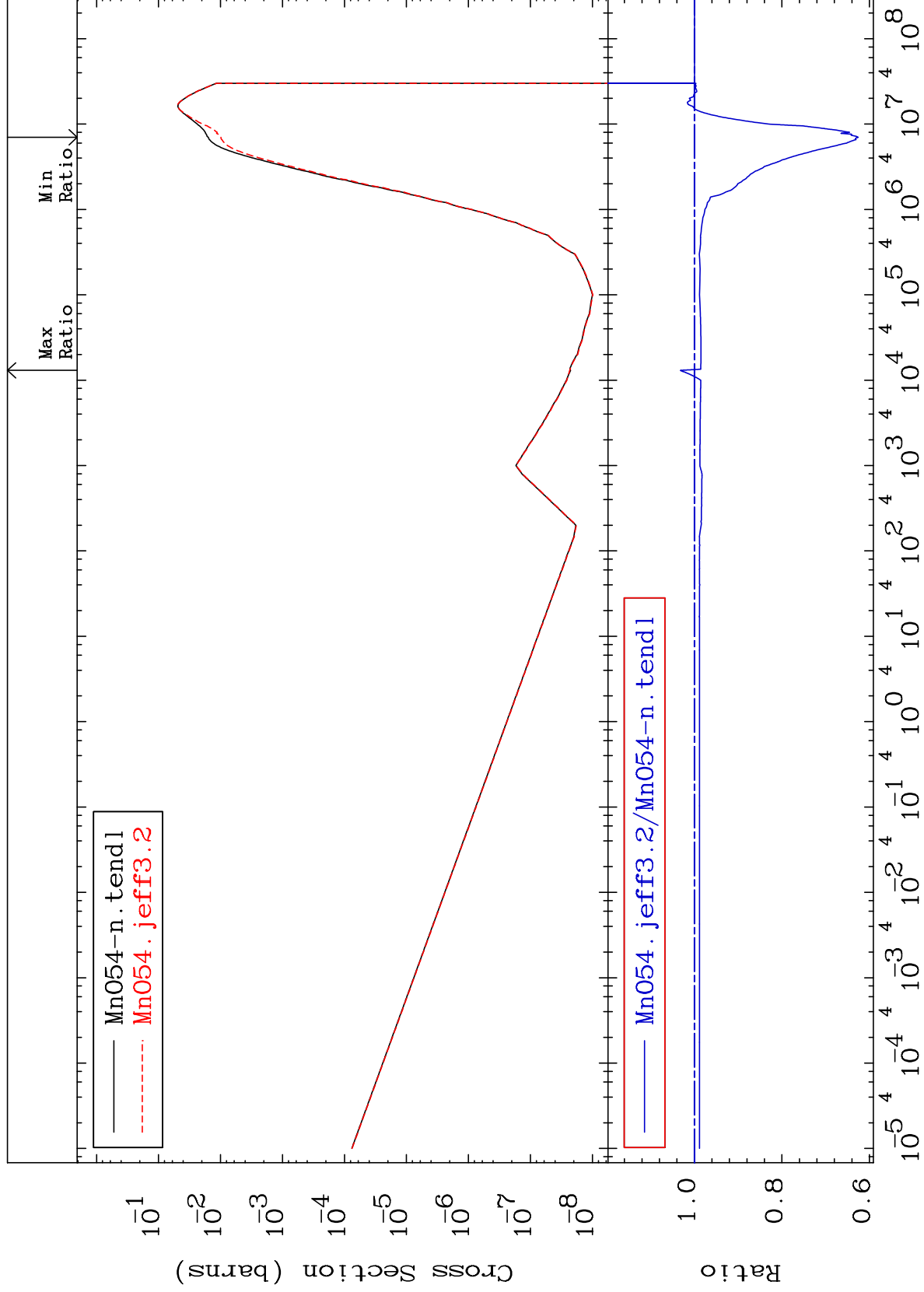
MAT 2522

(n, α)

25-Mn-54

Cross Section

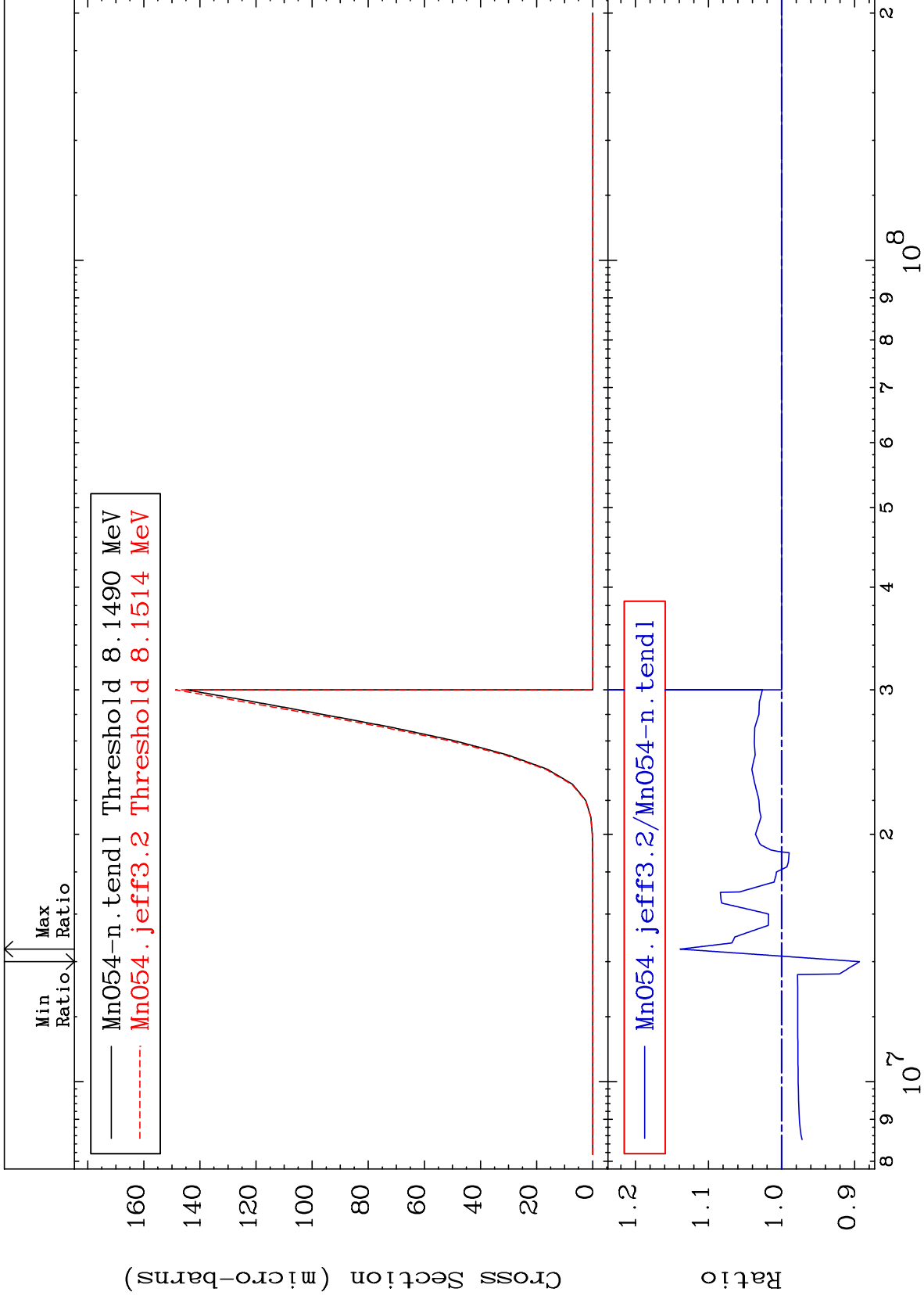
-37.44 To 3.294 %

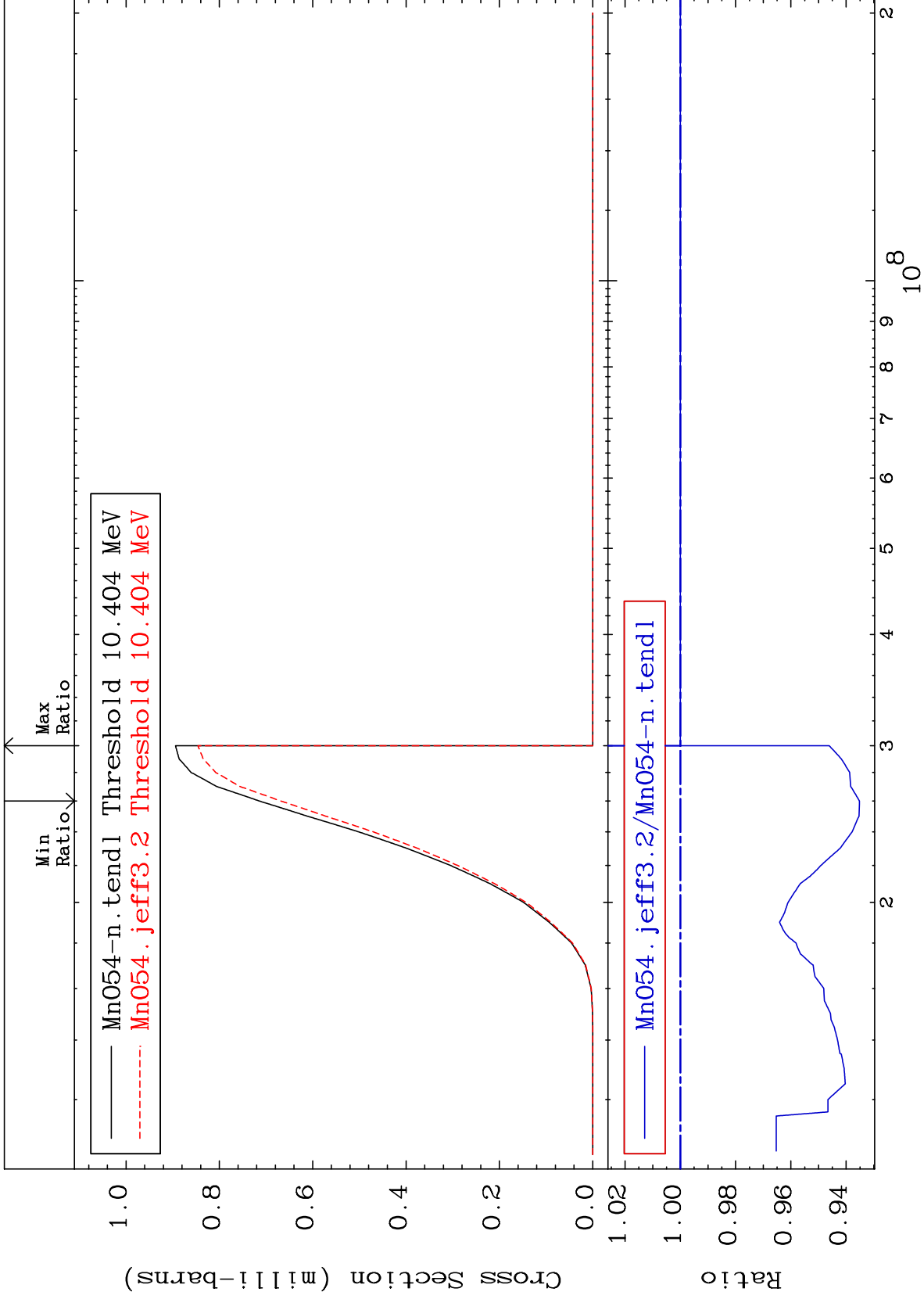


54

Incident Energy (eV)

25-Mn-54

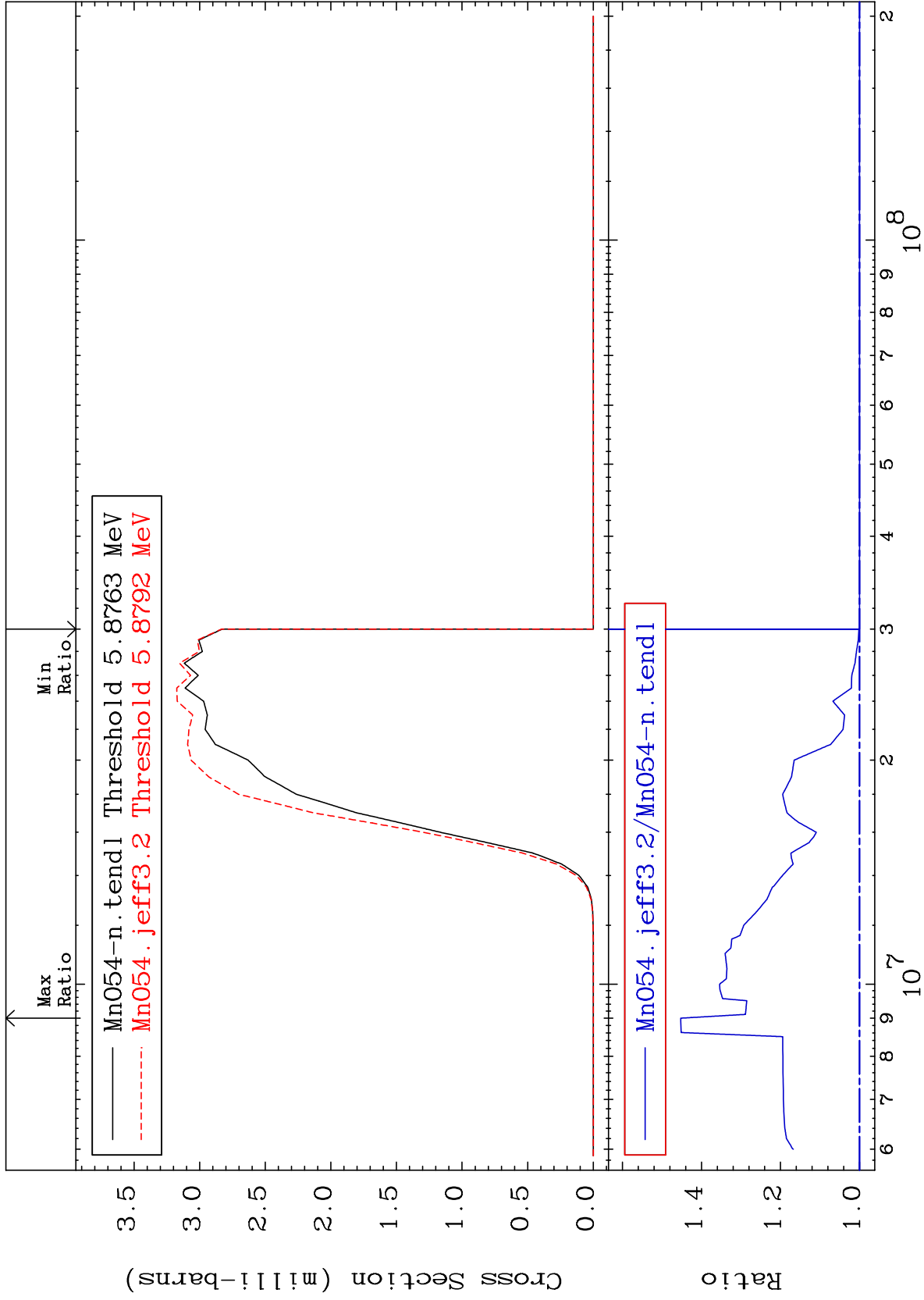




MAT 2522

(n, p) α
Cross Section

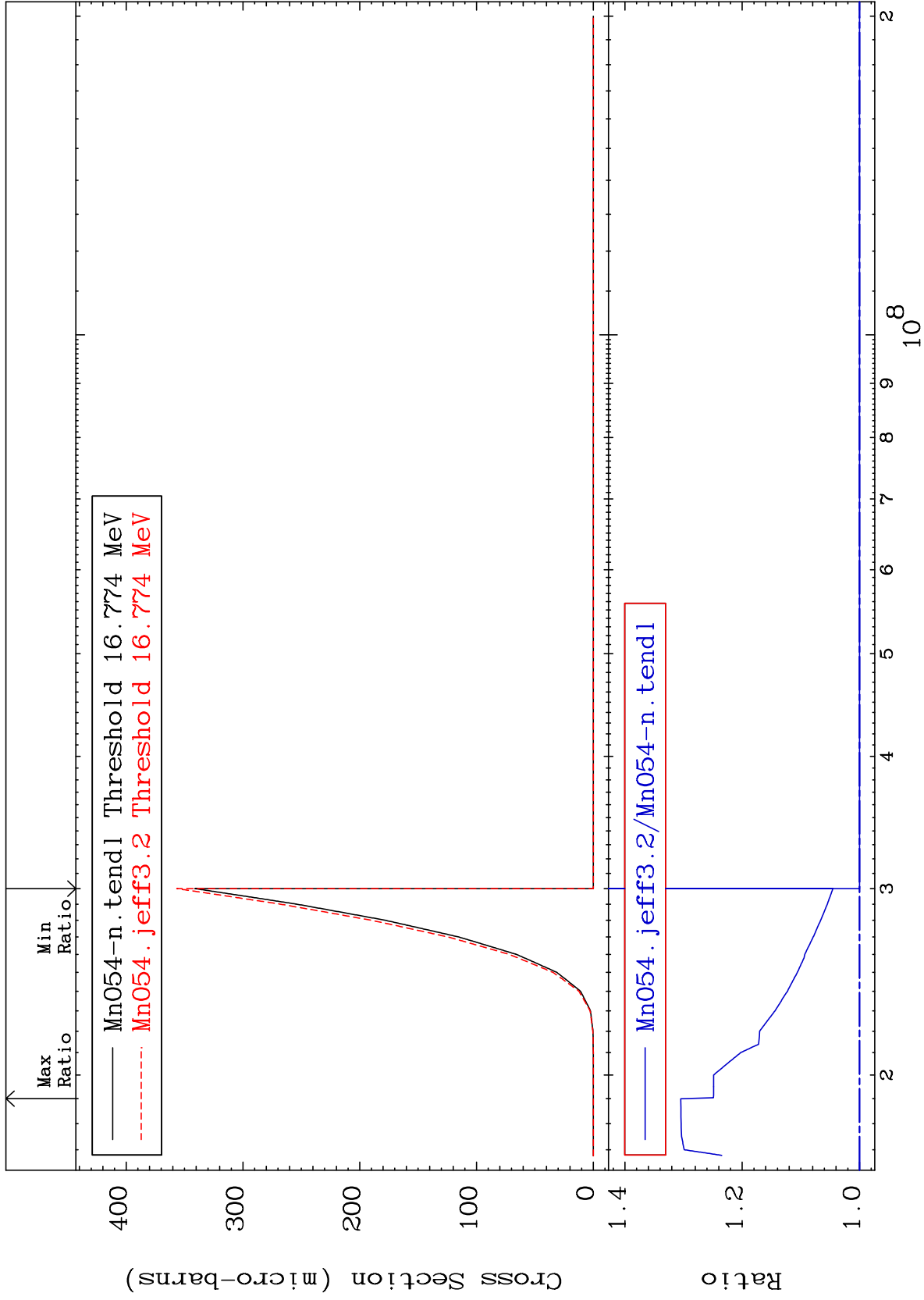
25-Mn-54
0.000 To 45.24 %

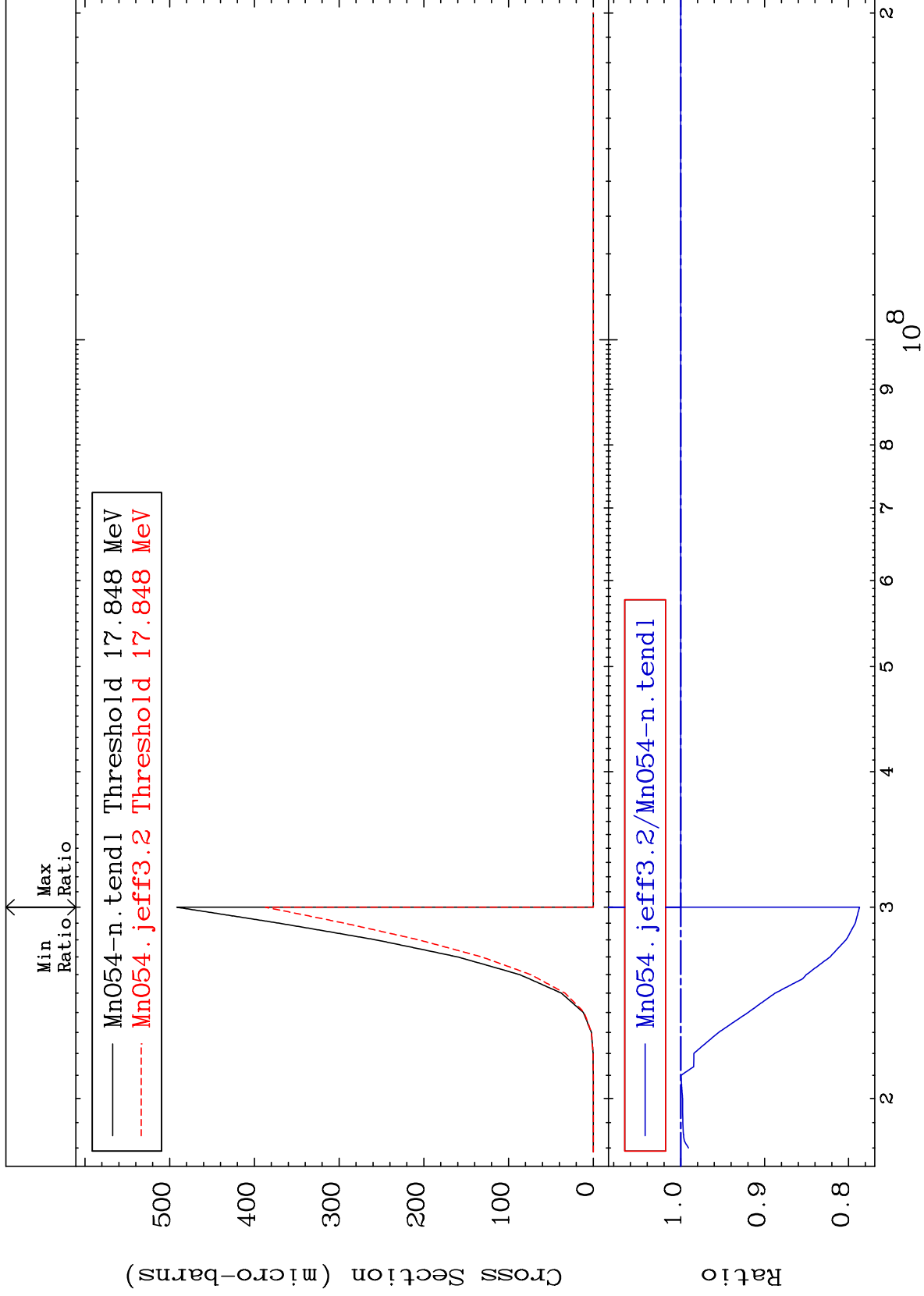


MAT 2522

(n, p) d
Cross Section

25-Mn-54
0.000 To 30.48 %

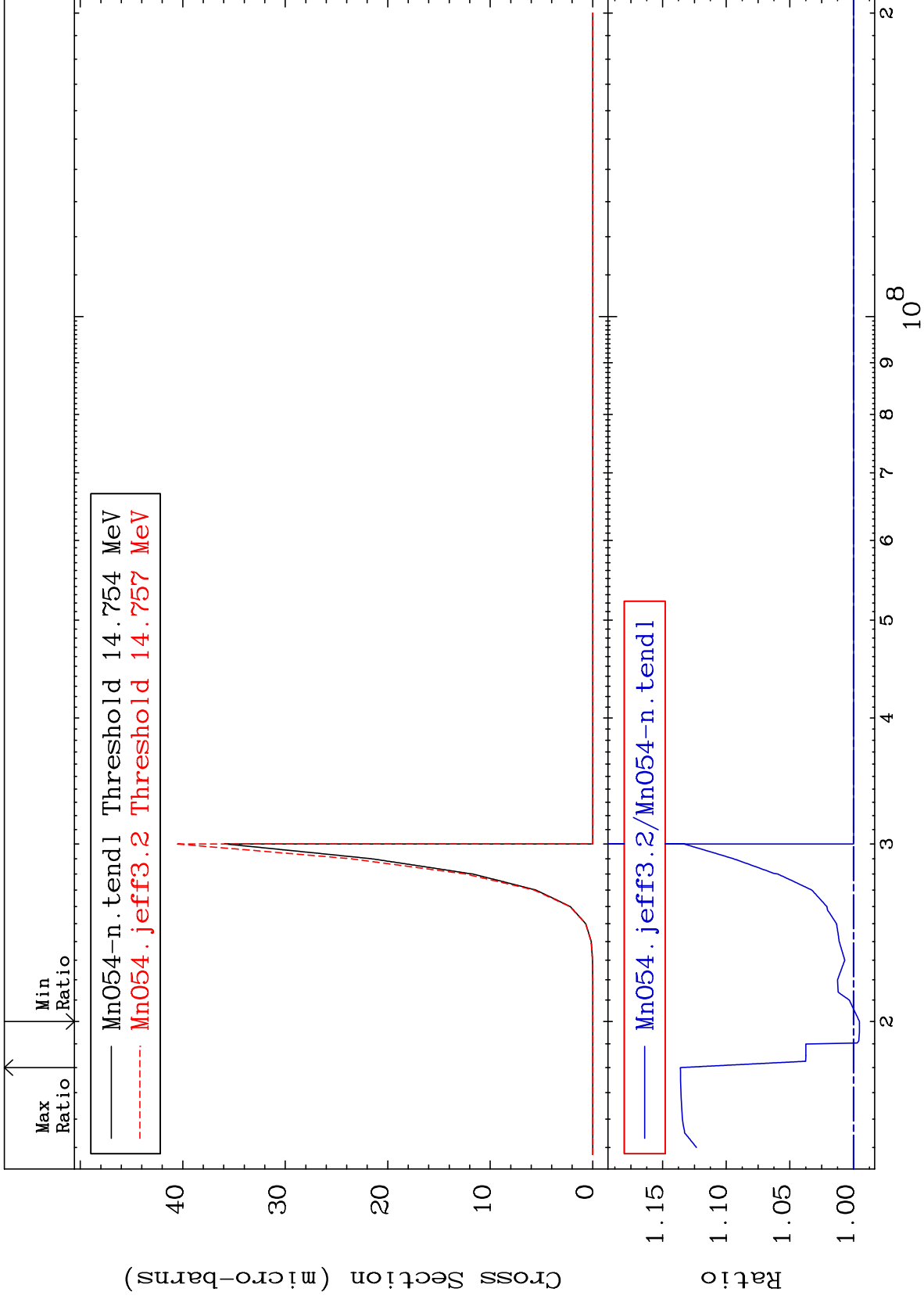


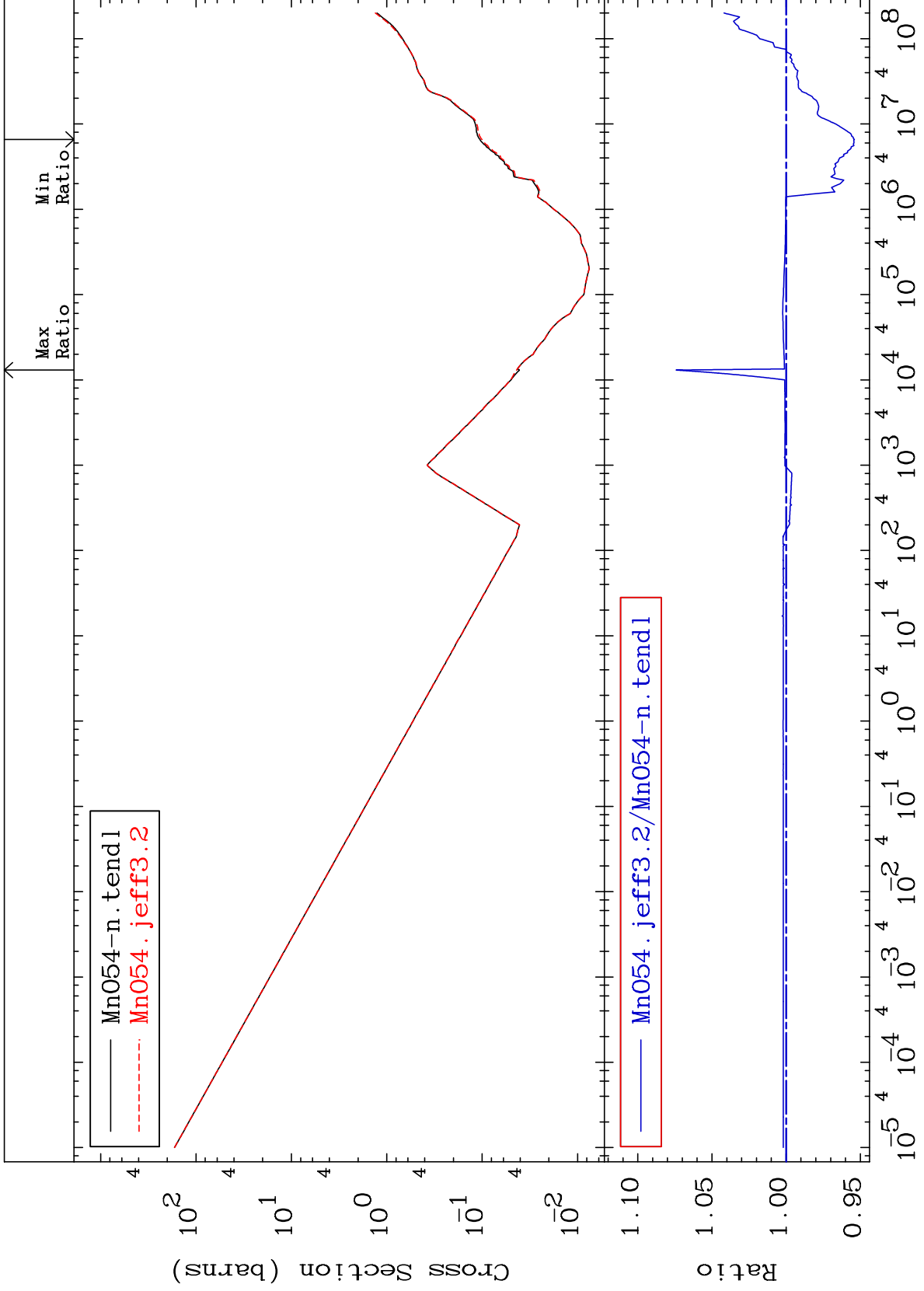


MAT 2522

(n, d) α
Cross Section

²⁵Mn-54
-0.467 To 13.61 %

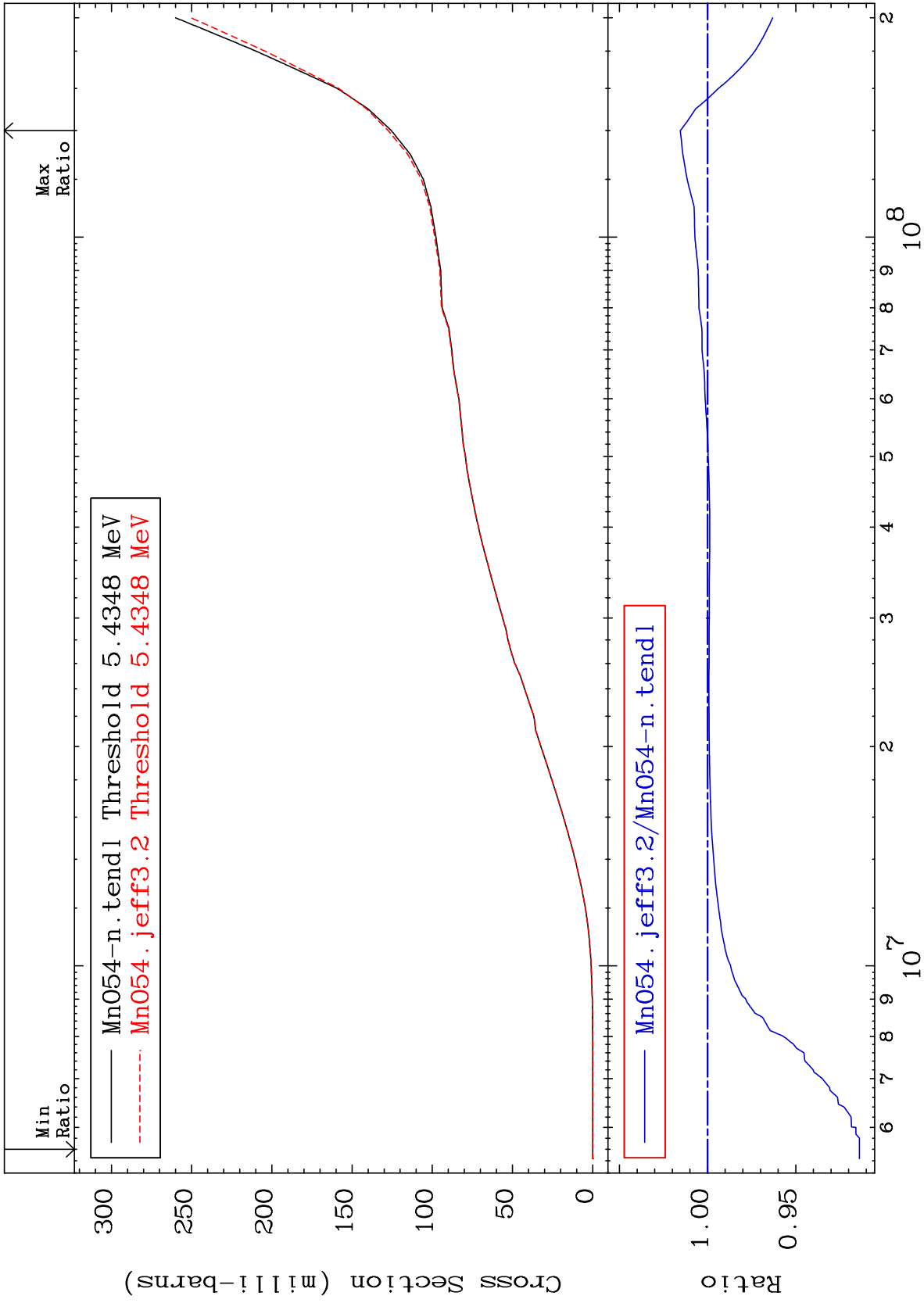




MAT 2522

Deuterium Production
Cross Section

²⁵Mn-54
-8.613 To 1.546 %



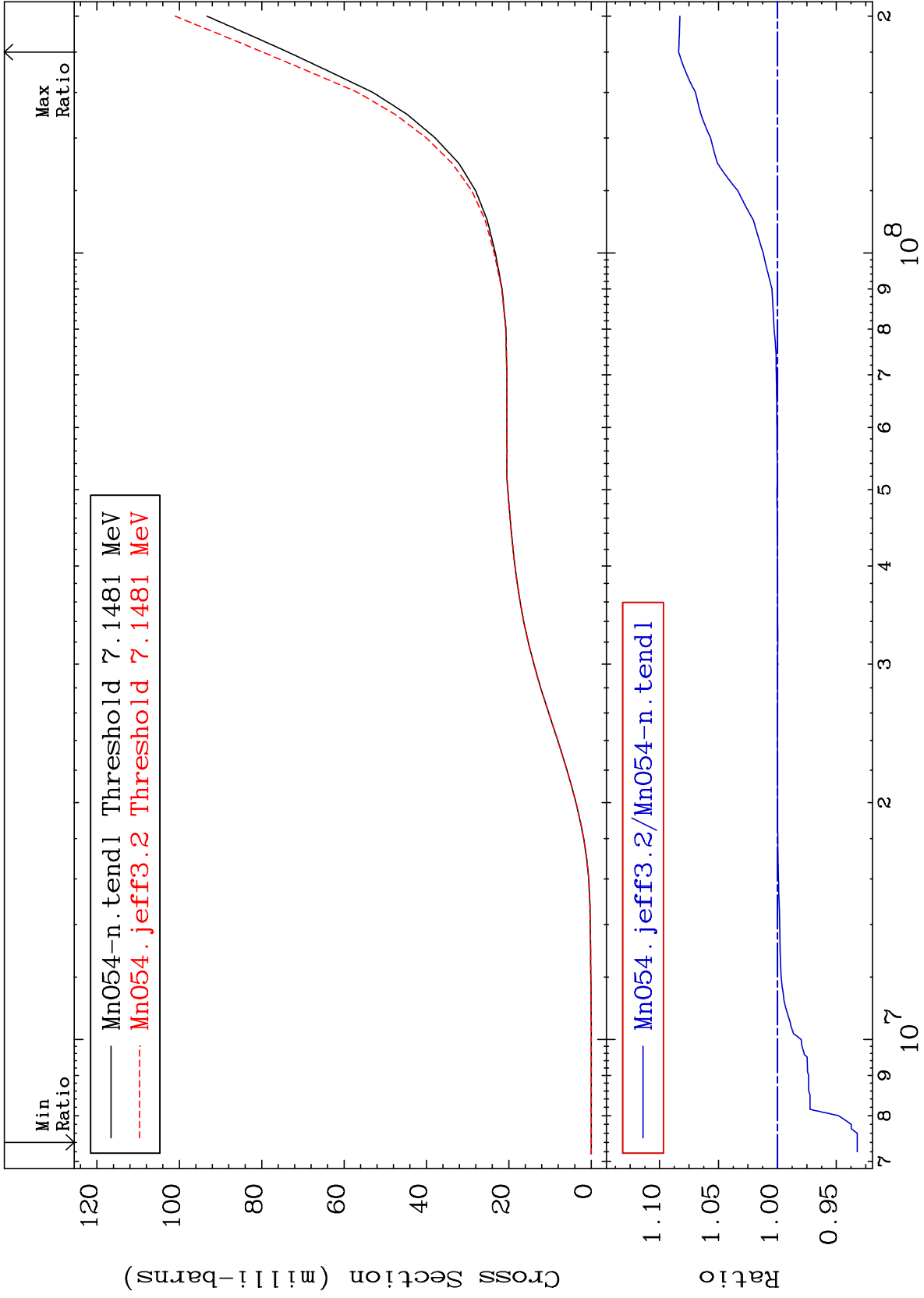
62

²⁵Mn-54

MAT 2522

Tritium Production
Cross Section

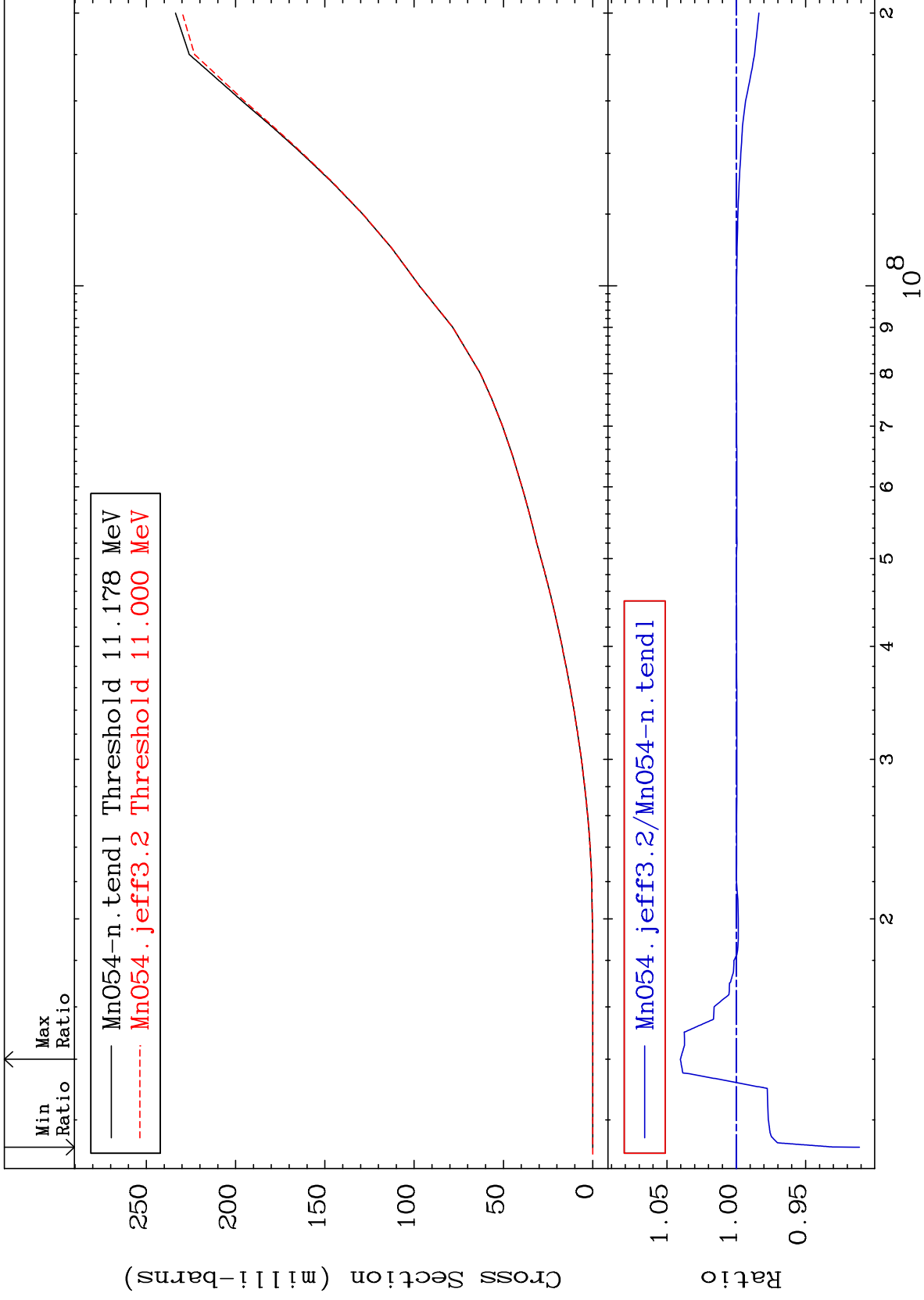
²⁵Mn-54
-6.774 To 8.381 %

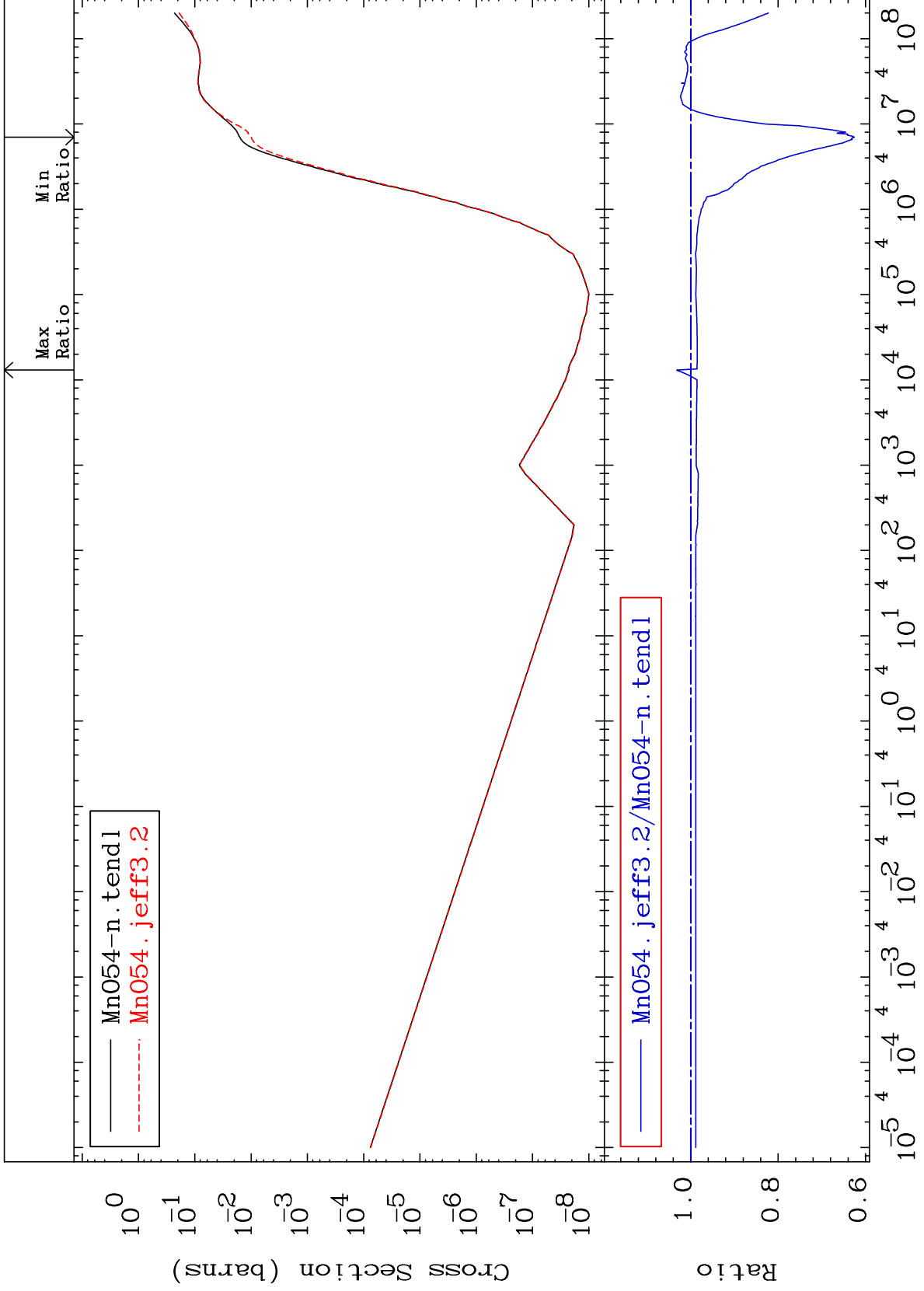


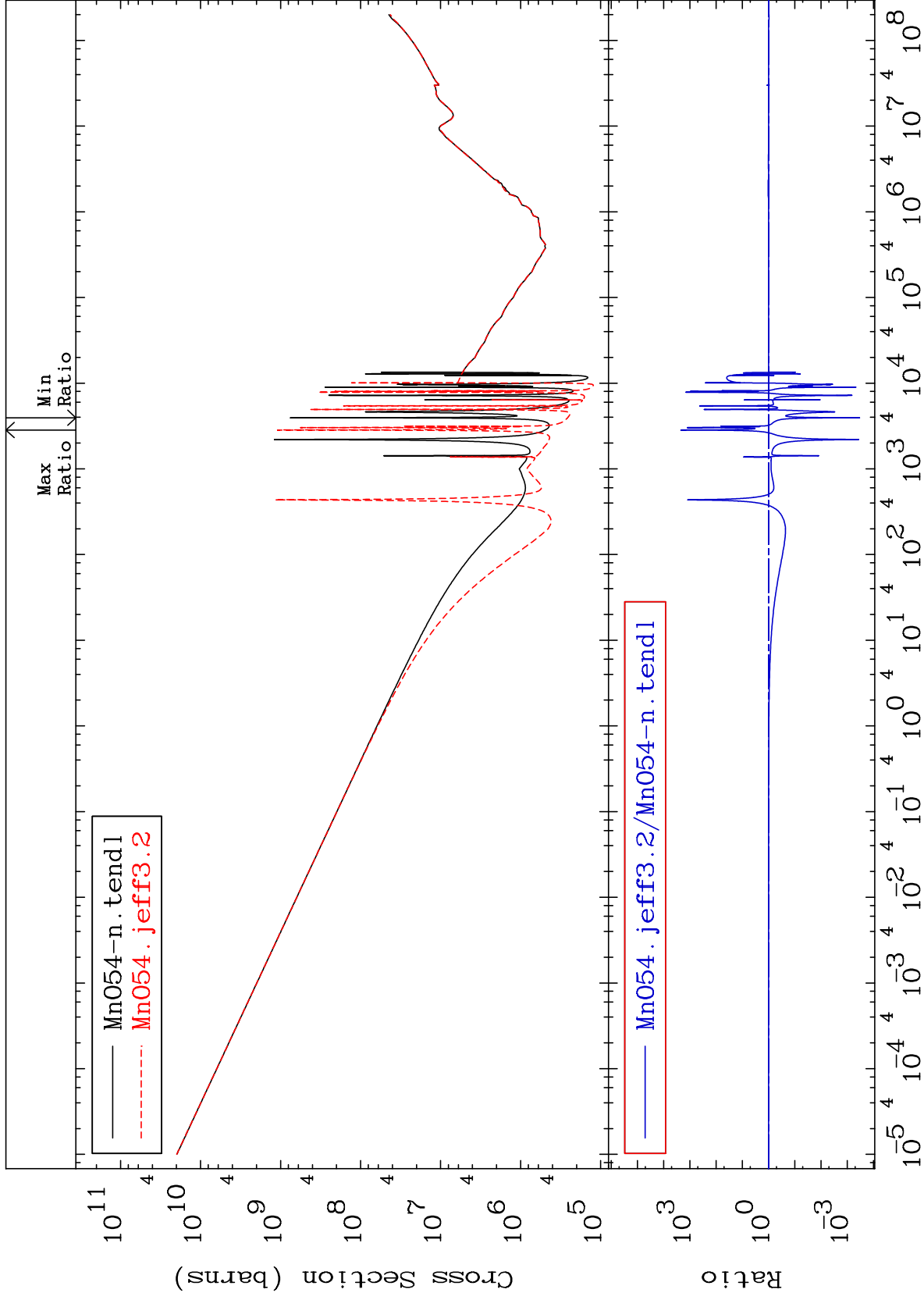
63

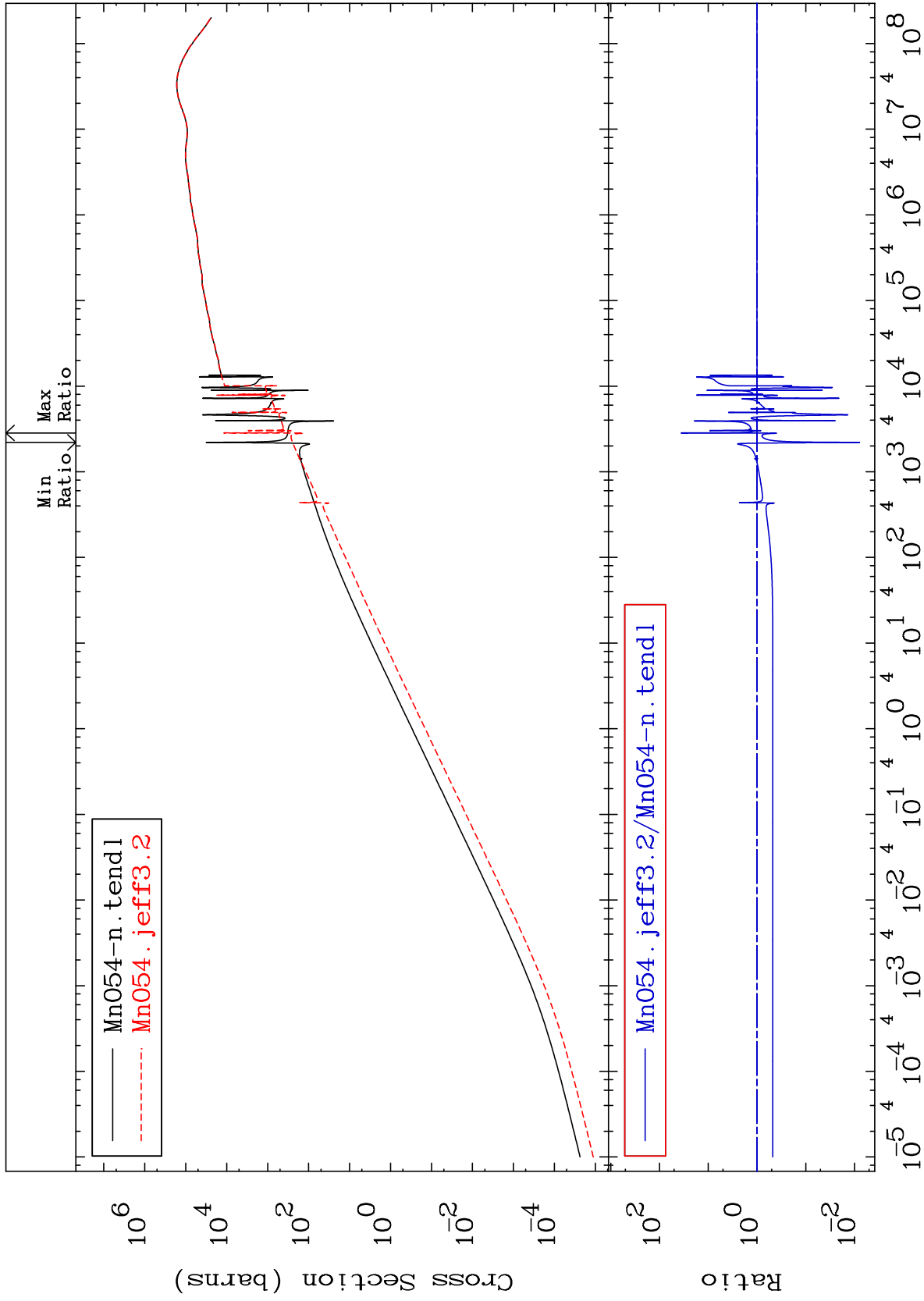
Incident Energy (eV)

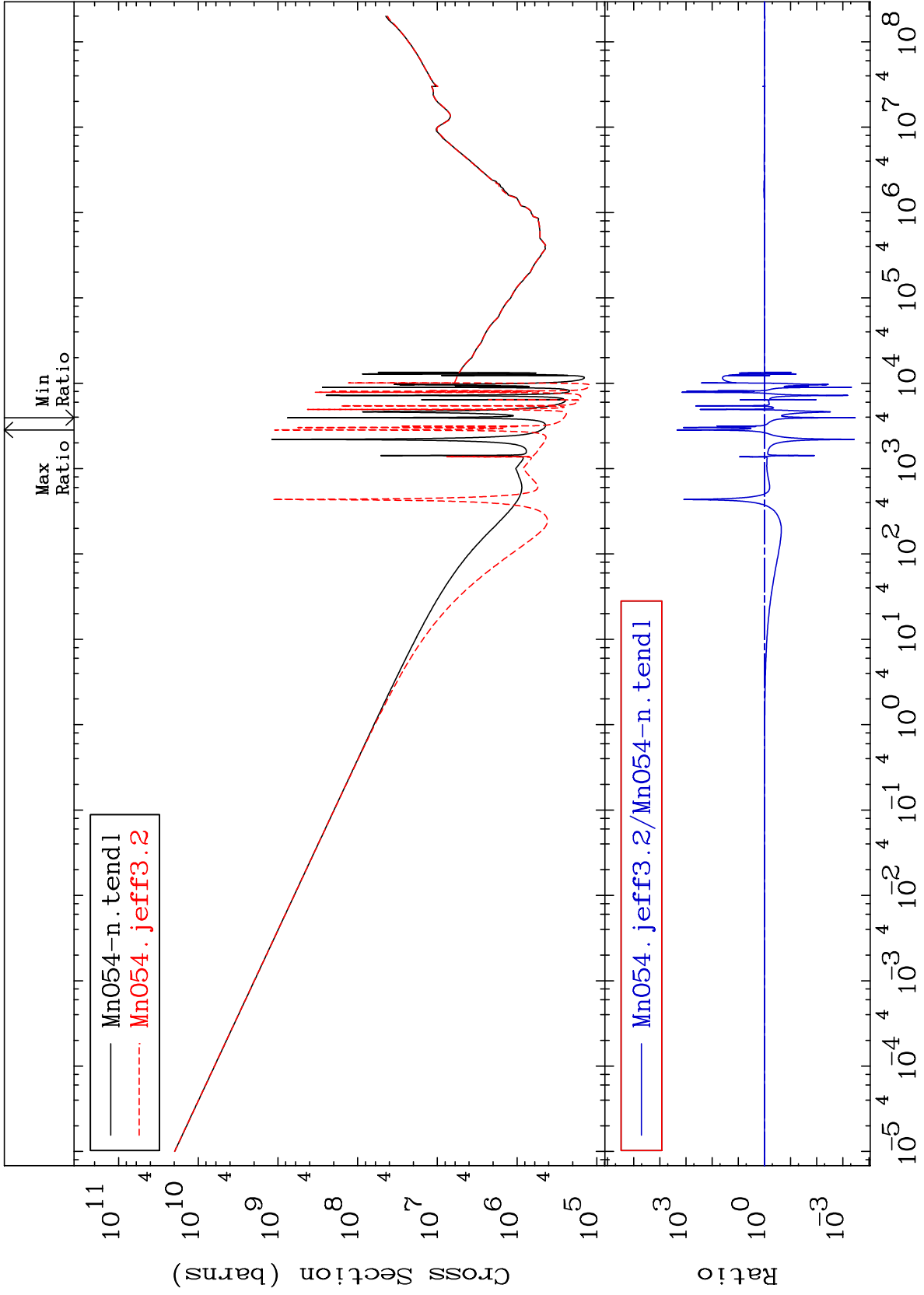
²⁵Mn-54

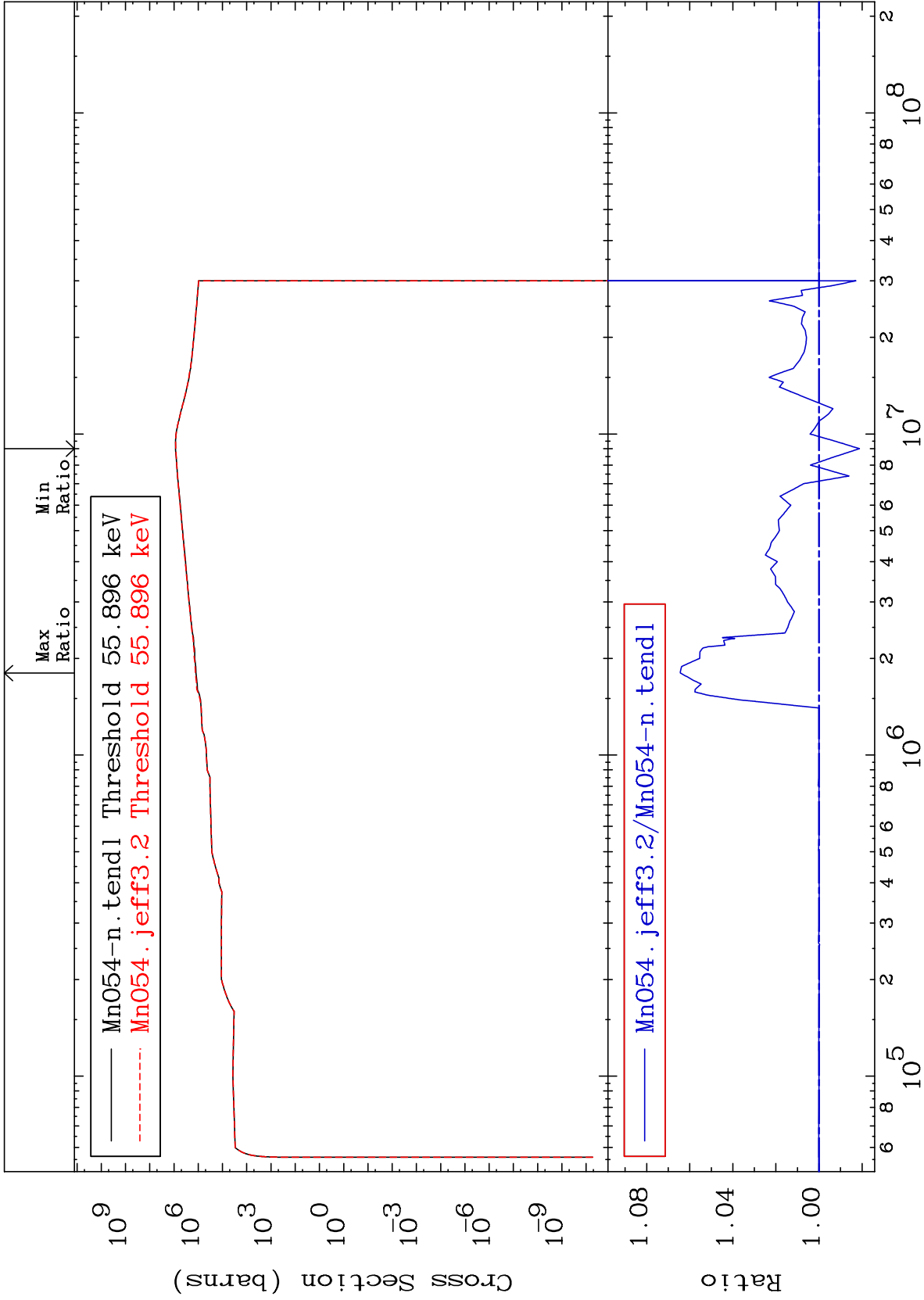


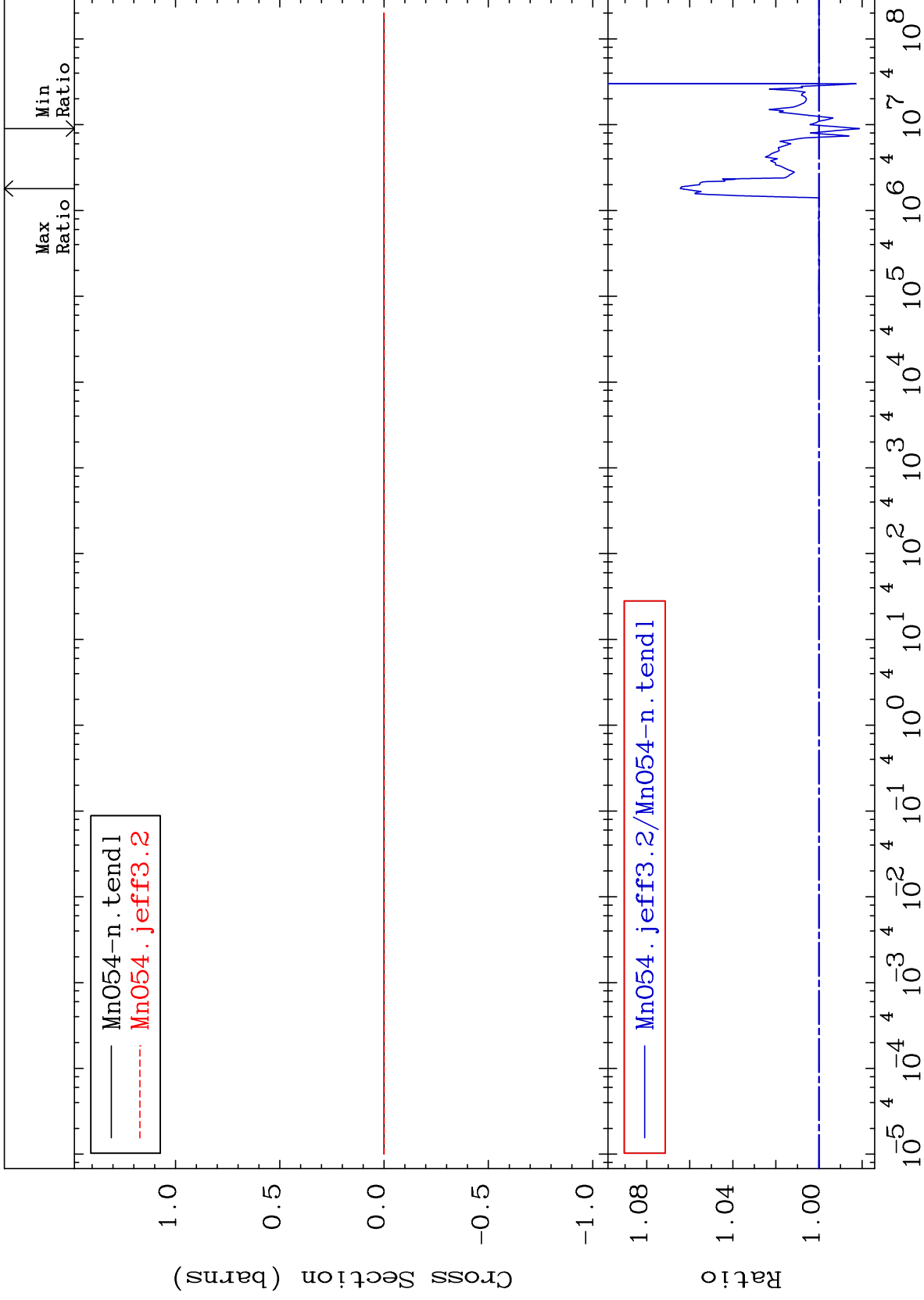


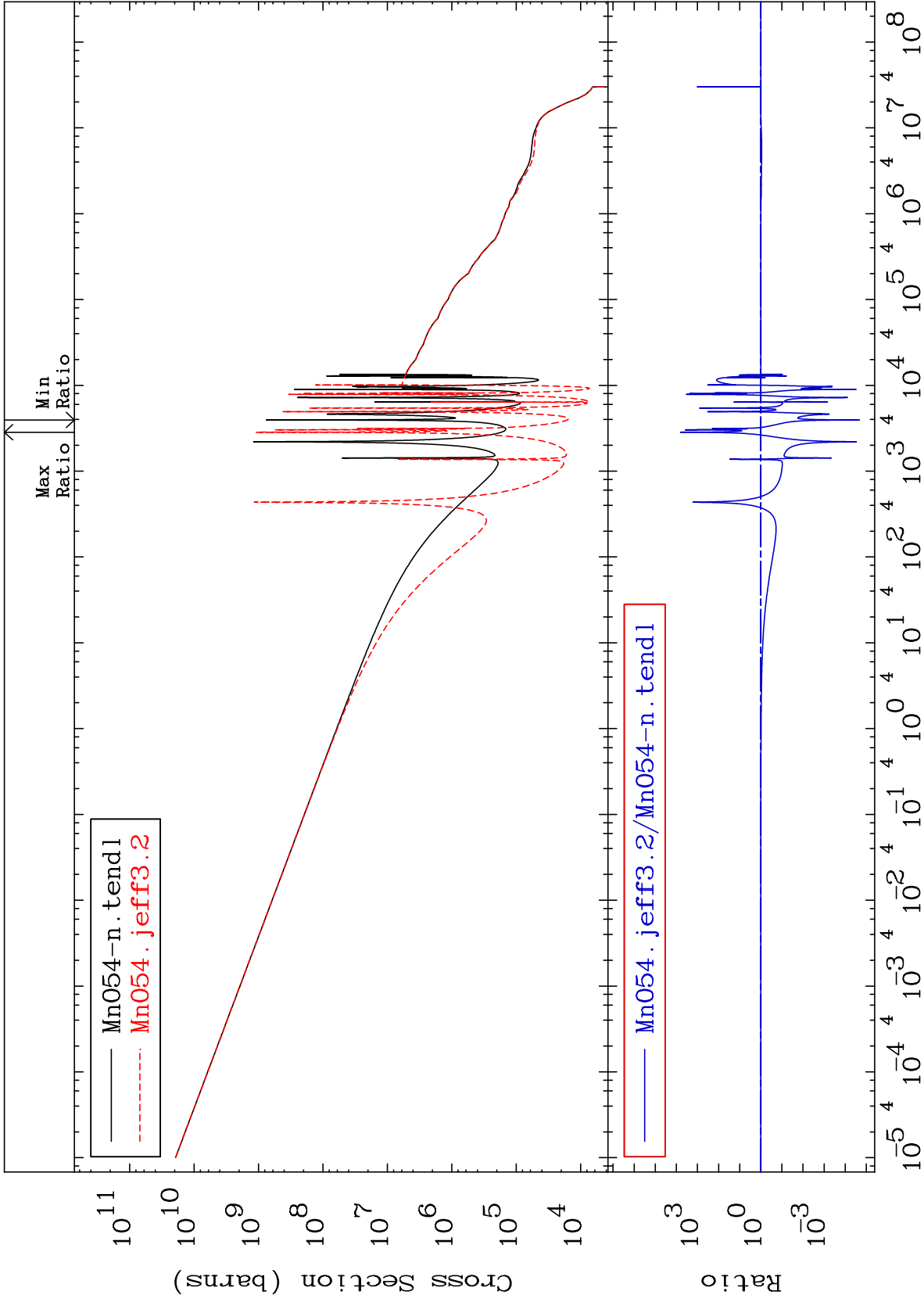


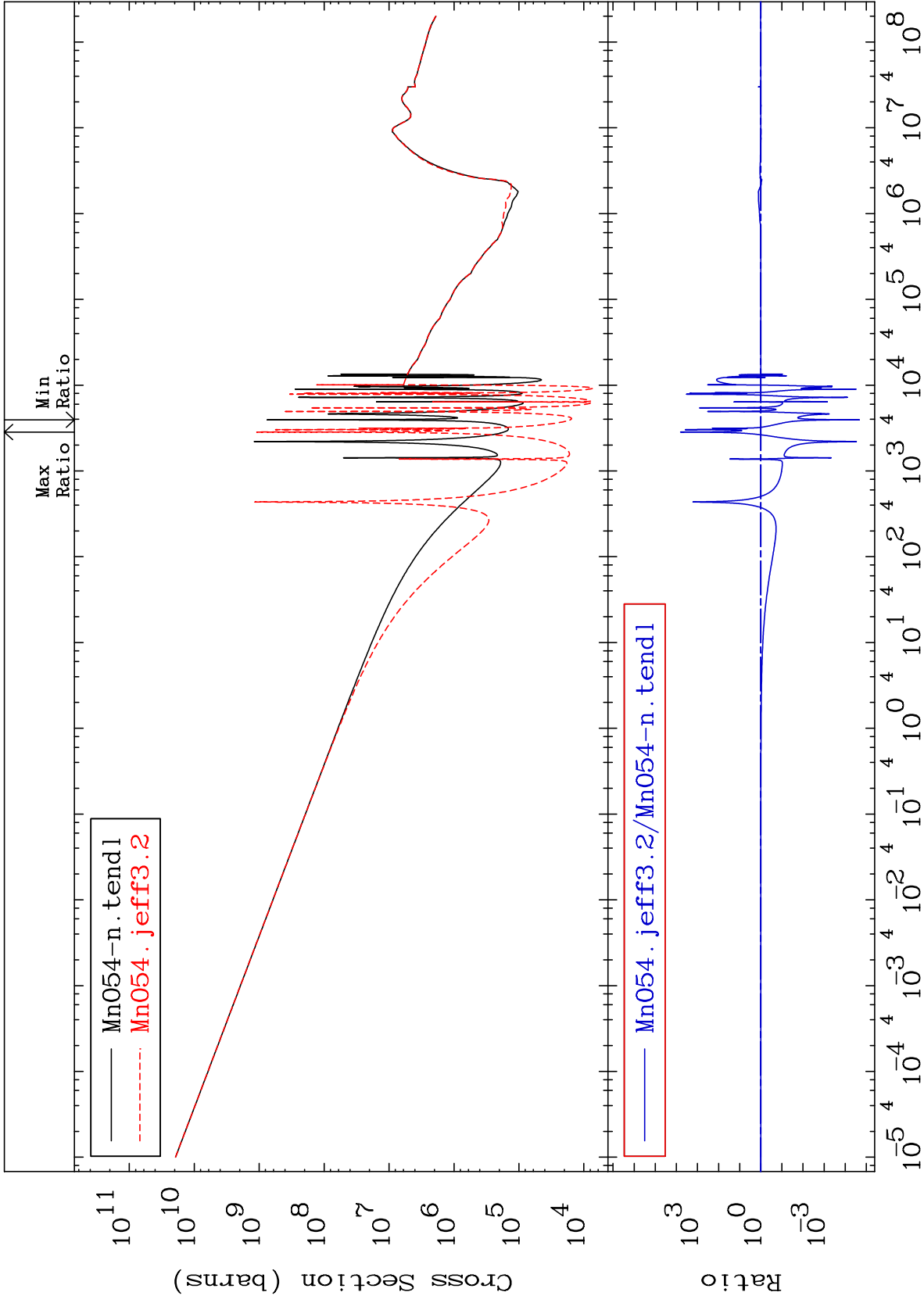


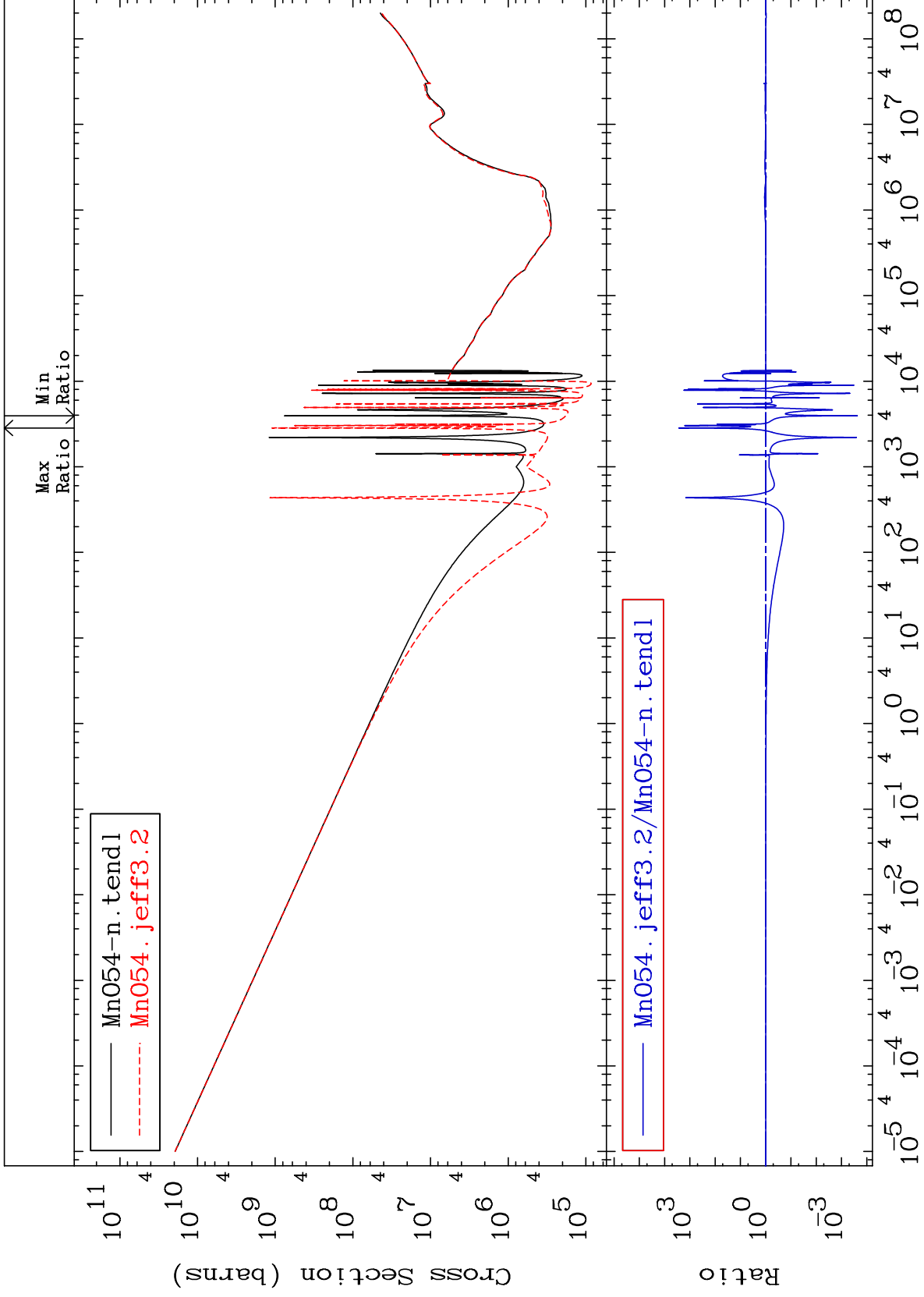


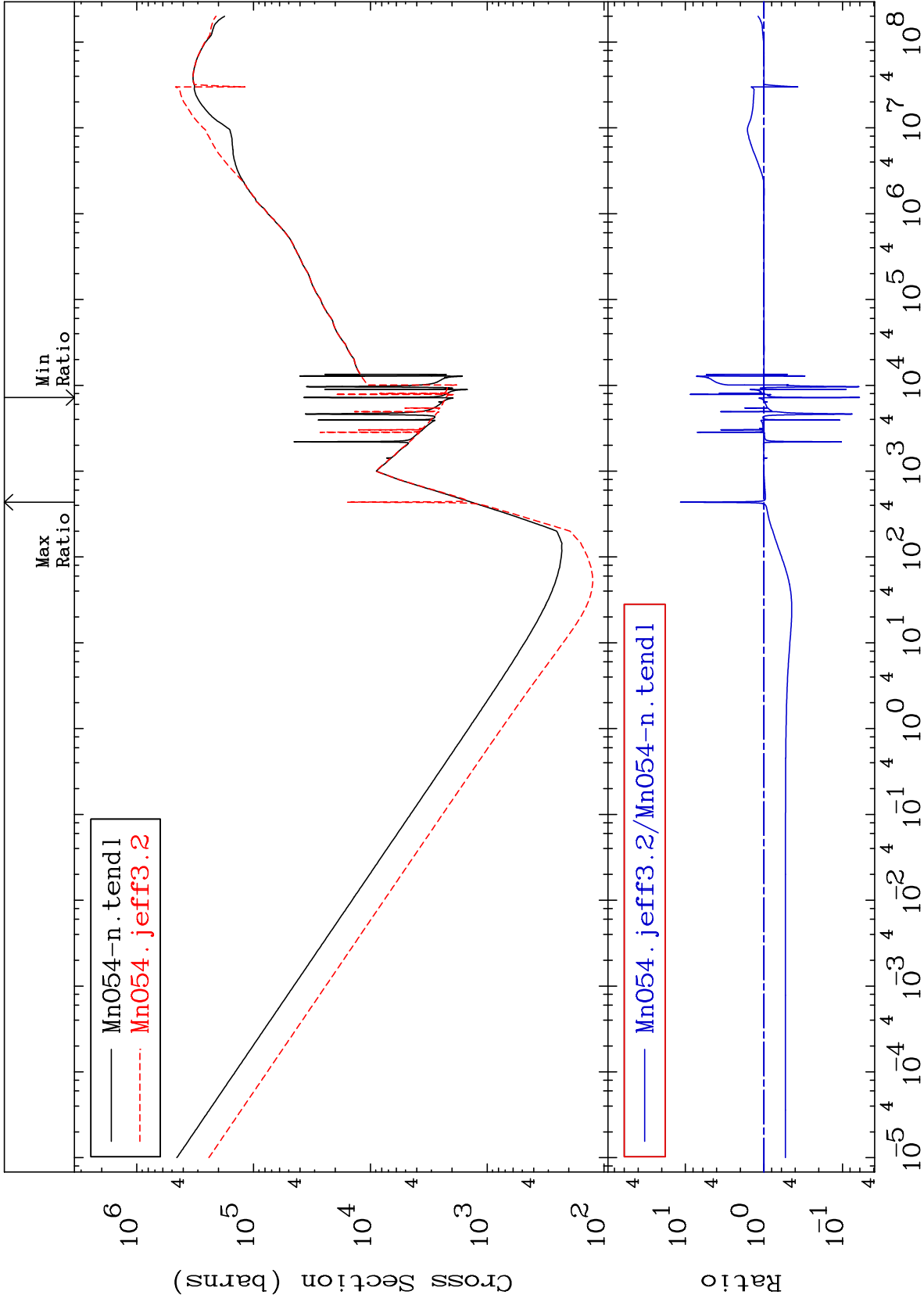


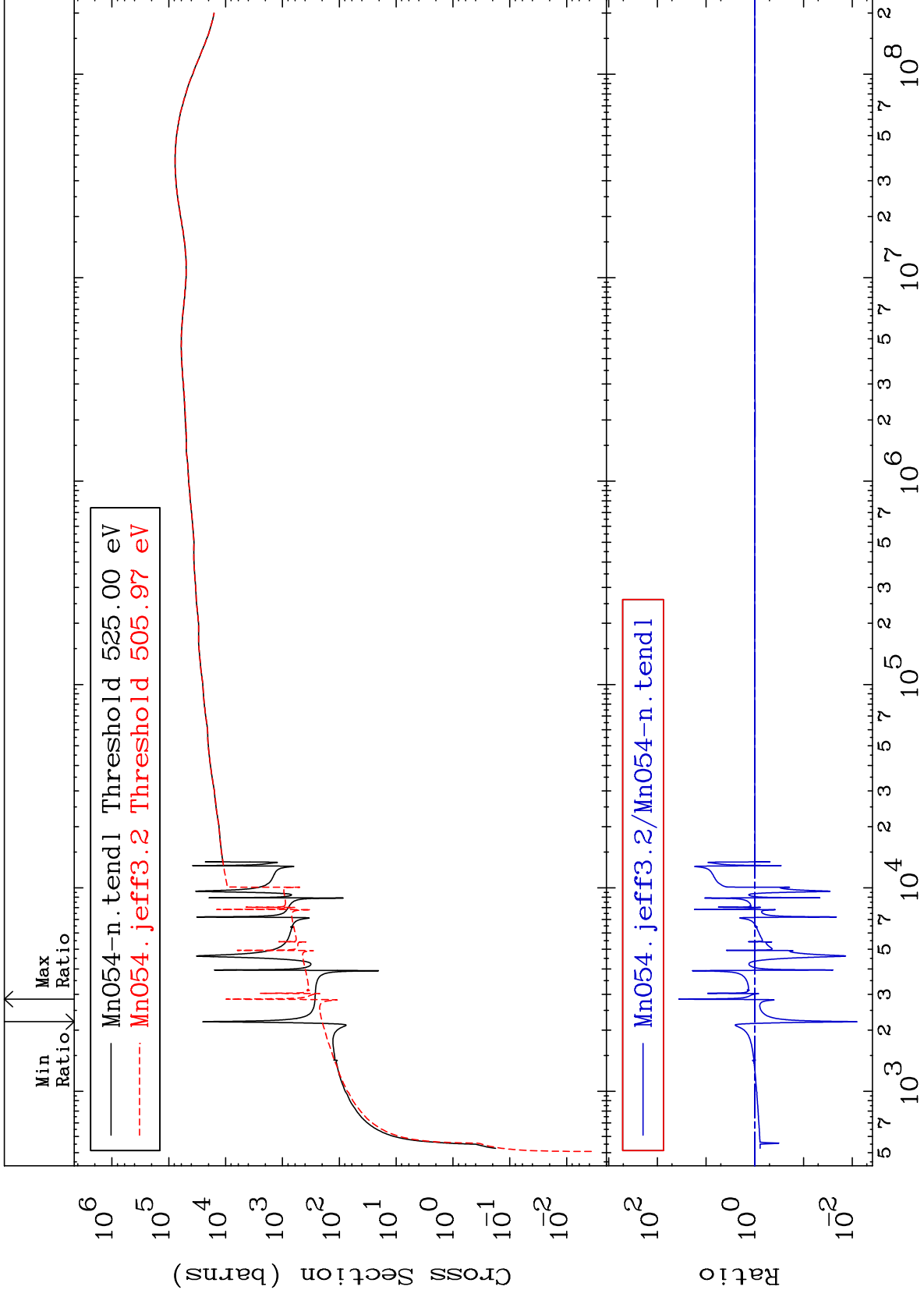


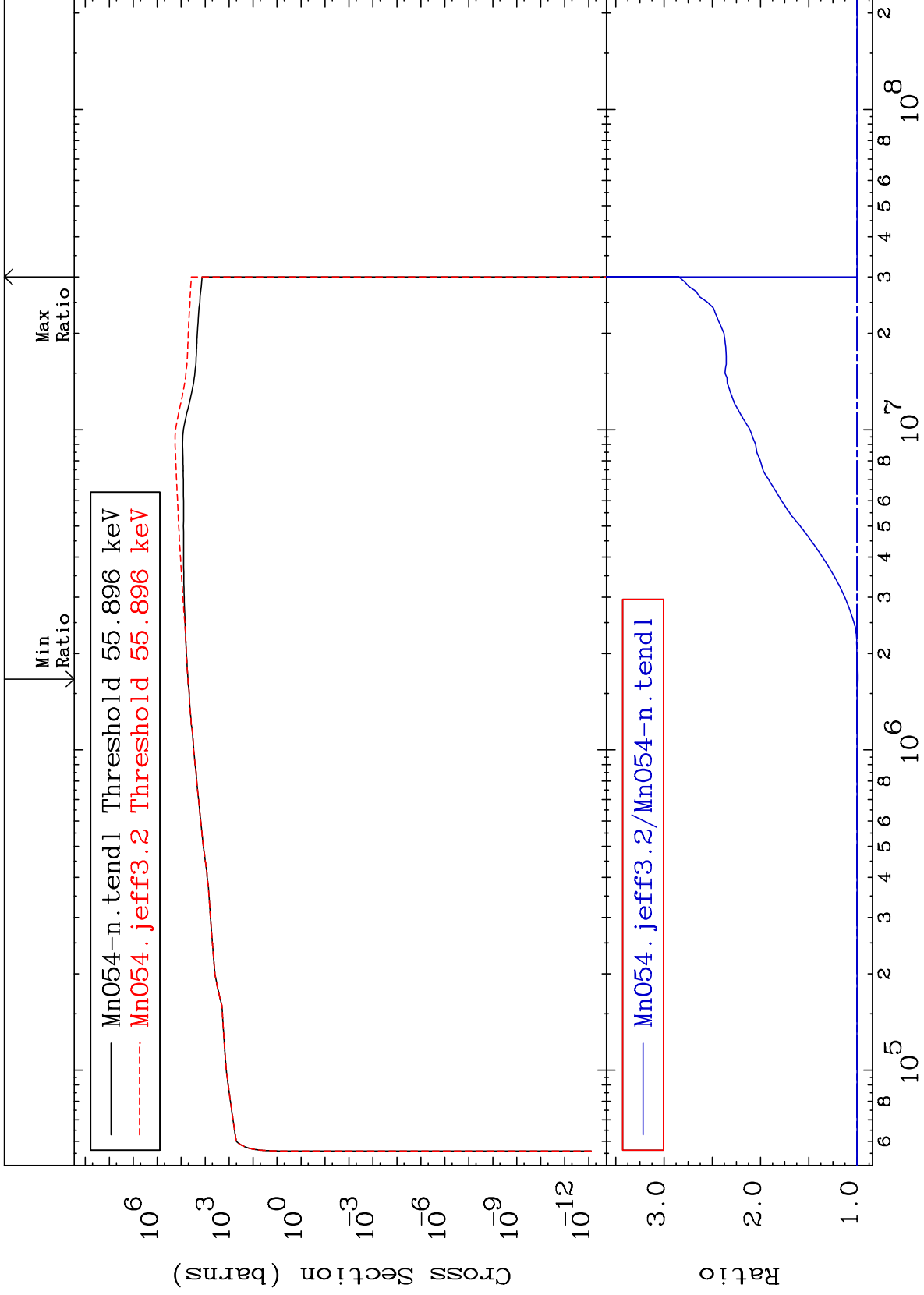


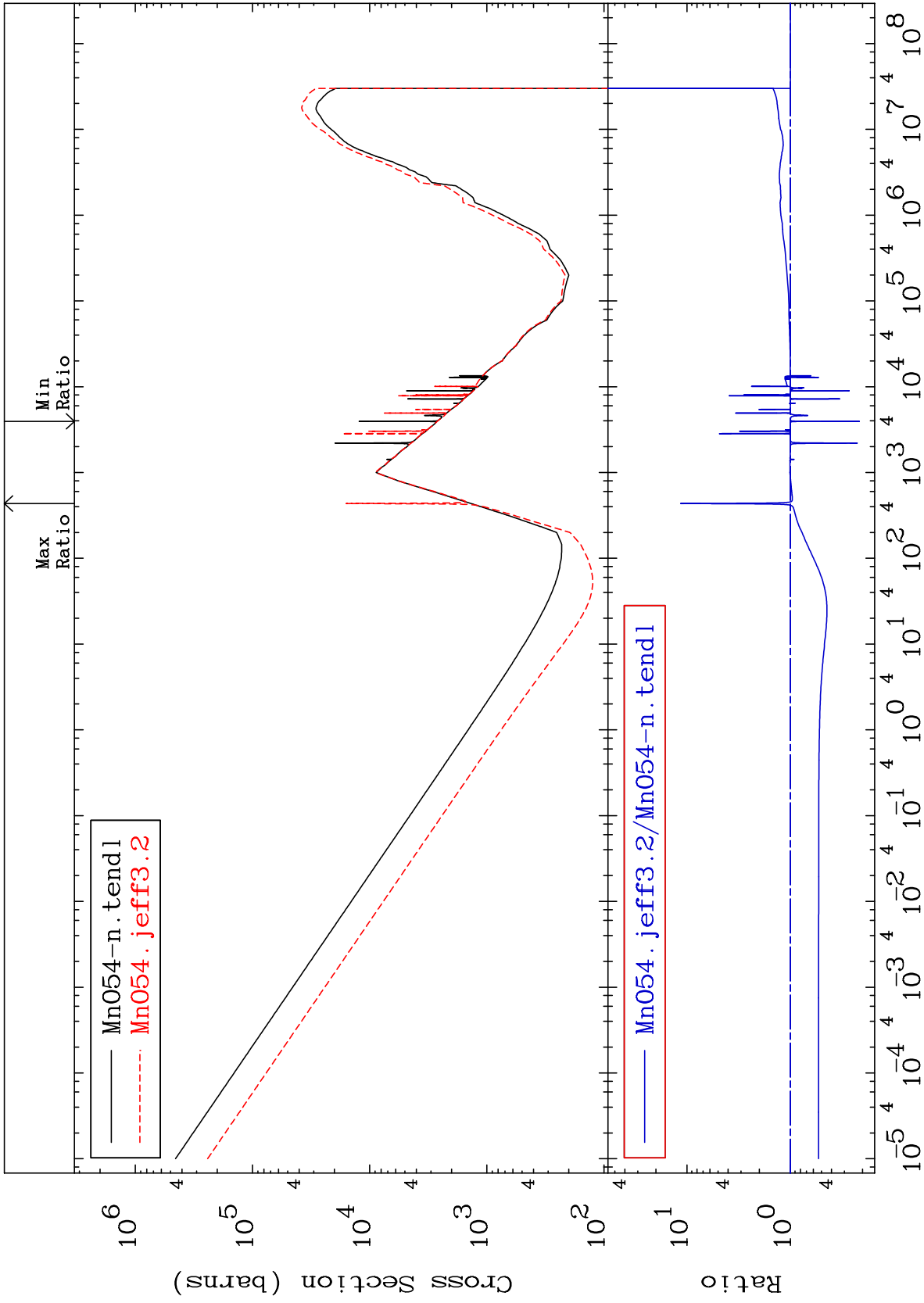










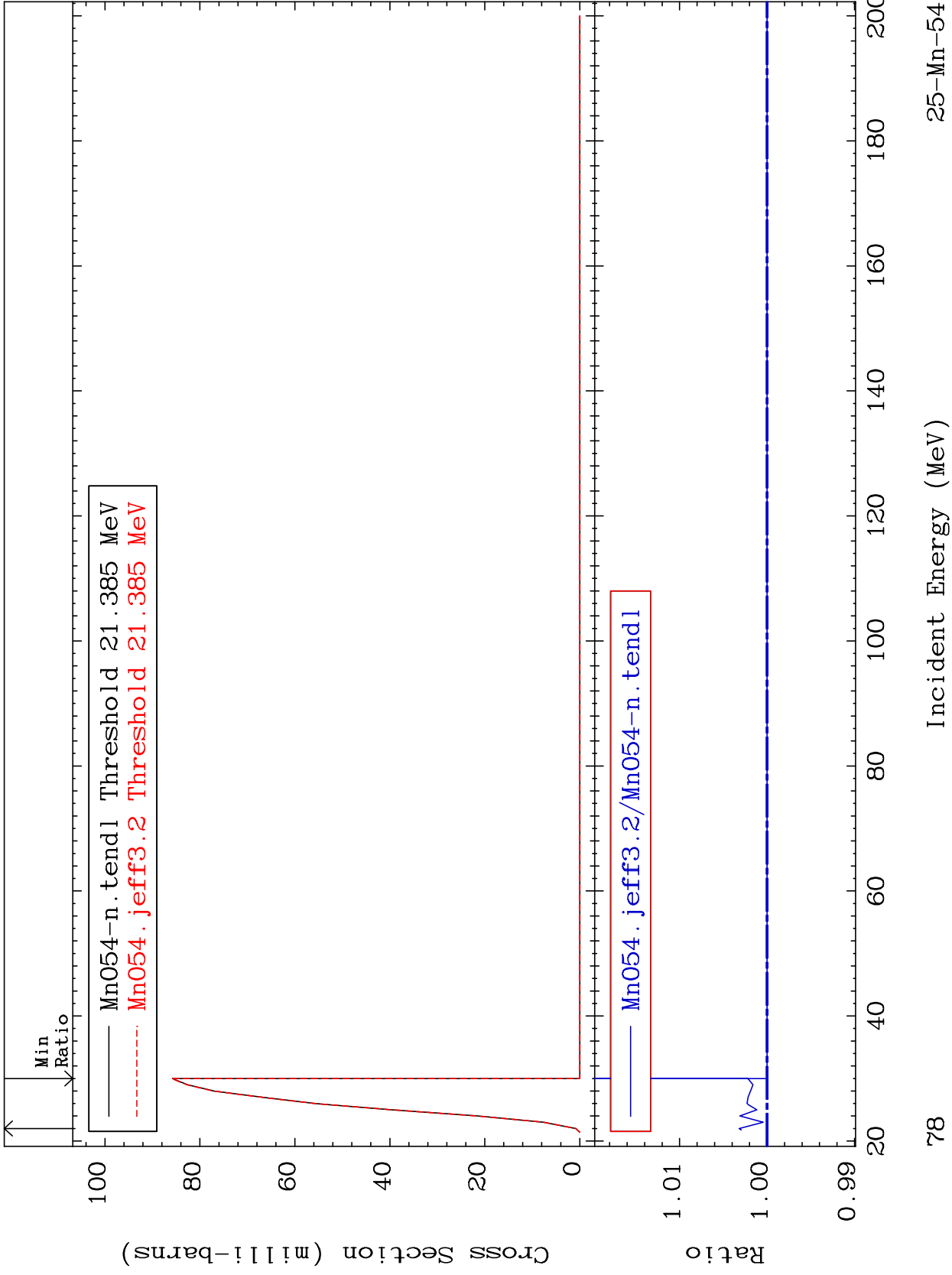


MAT 2522

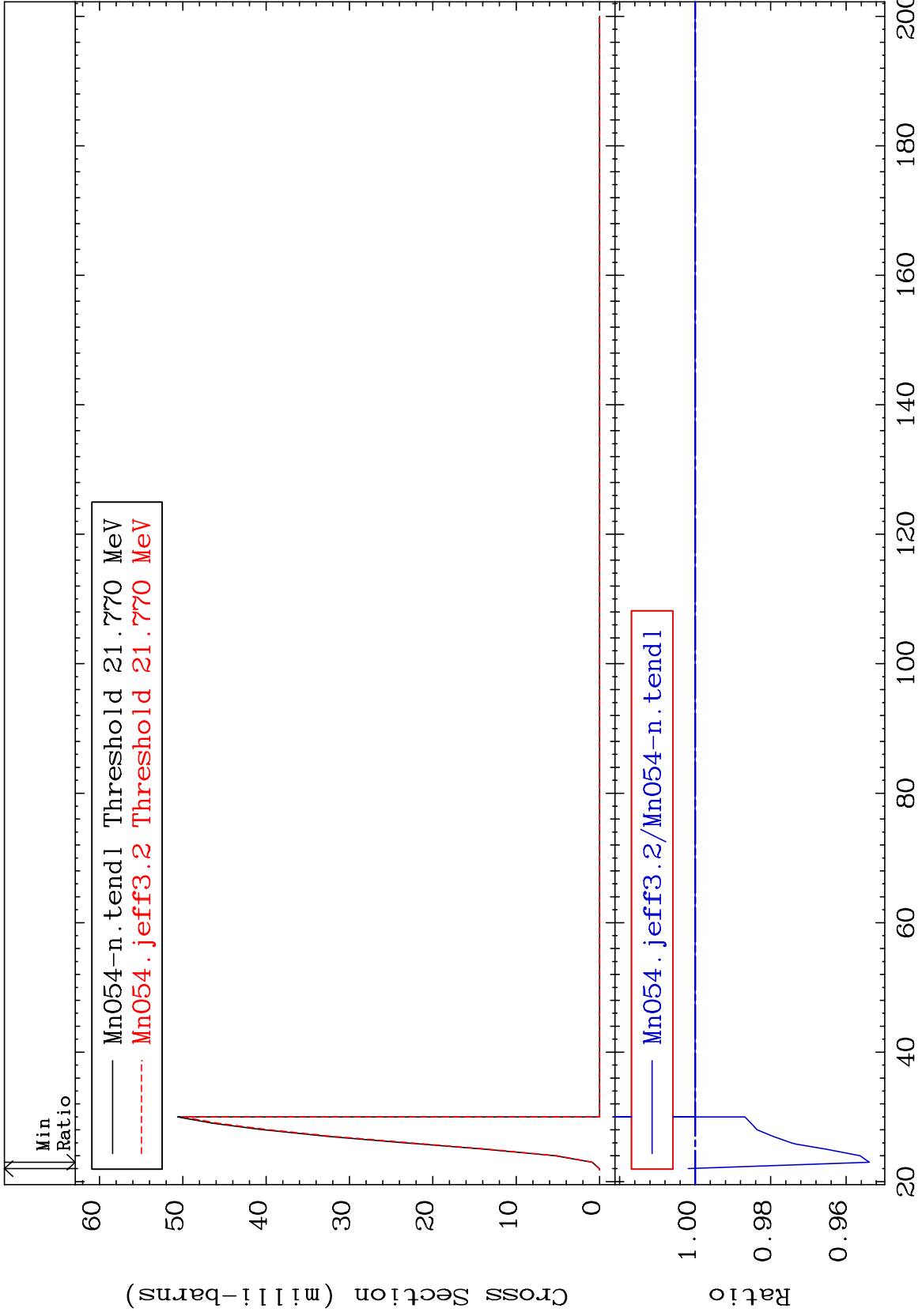
(n,3n):25-Mn-52g

25-Mn-54

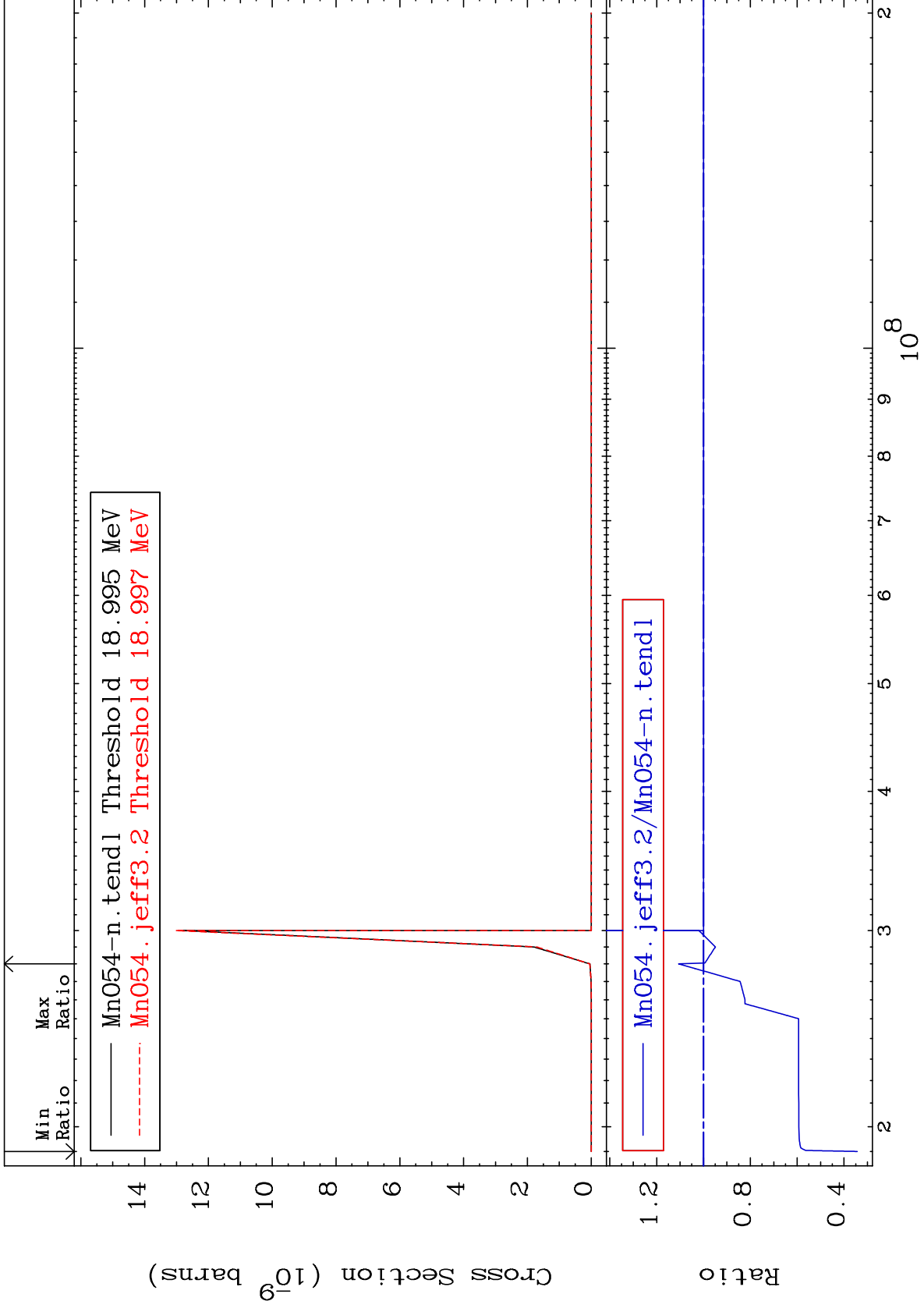
Radionuclide Production Cross Section 0.000 To 0.319 %



Radionuclide Production Cross Section -4.613 To 0.185 %



Radionuclide Production Cross Section -65.65 To 10.62 %



Radionuclide Production Cross Section -53.16 To 14.62 %

