

All Data Agreed within input  
Allowable Uncertainty.

So NO plots were generated.  
See the output file COMLOT.LST  
for Details of the Comparisons.

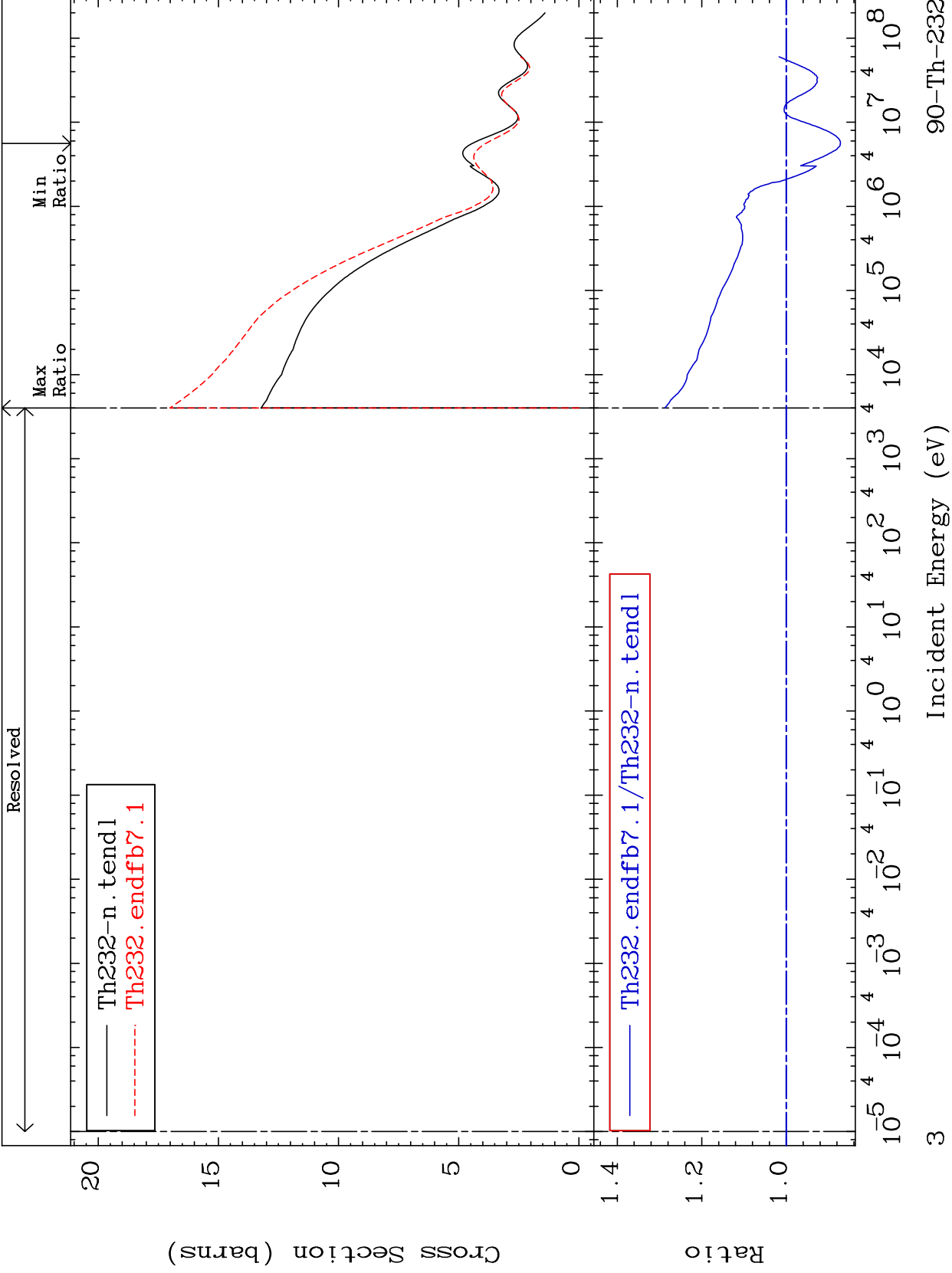
Press Mouse Key to Terminate.



MAT 9040

Elastic  
Cross Section

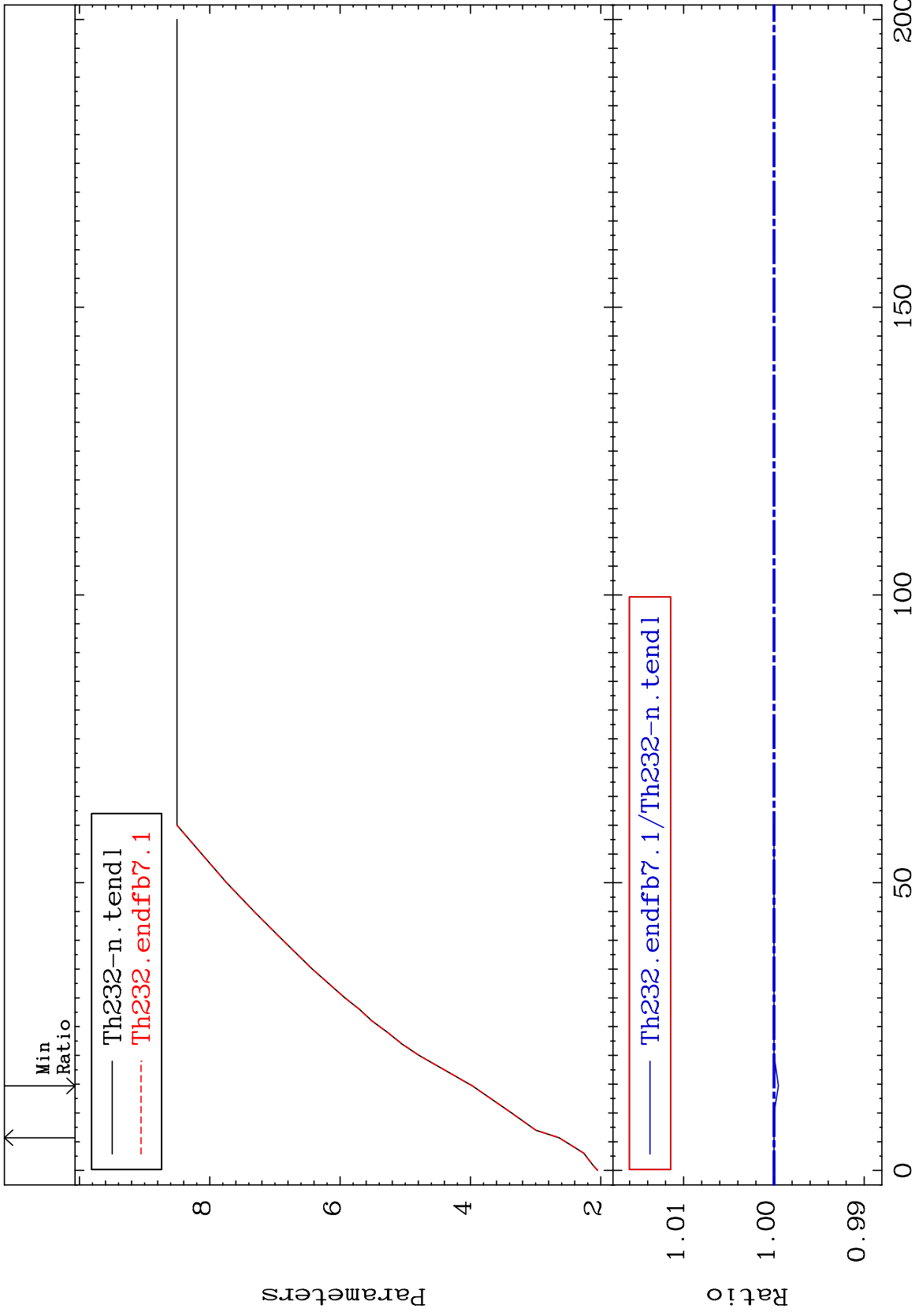
90-Th-232  
-12.81 To 28.74 %



MAT 9040

Prompt  $\bar{\nu}$   
Parameters

90-Th-232  
-0.050 To 0.000 %



Incident Energy (MeV)

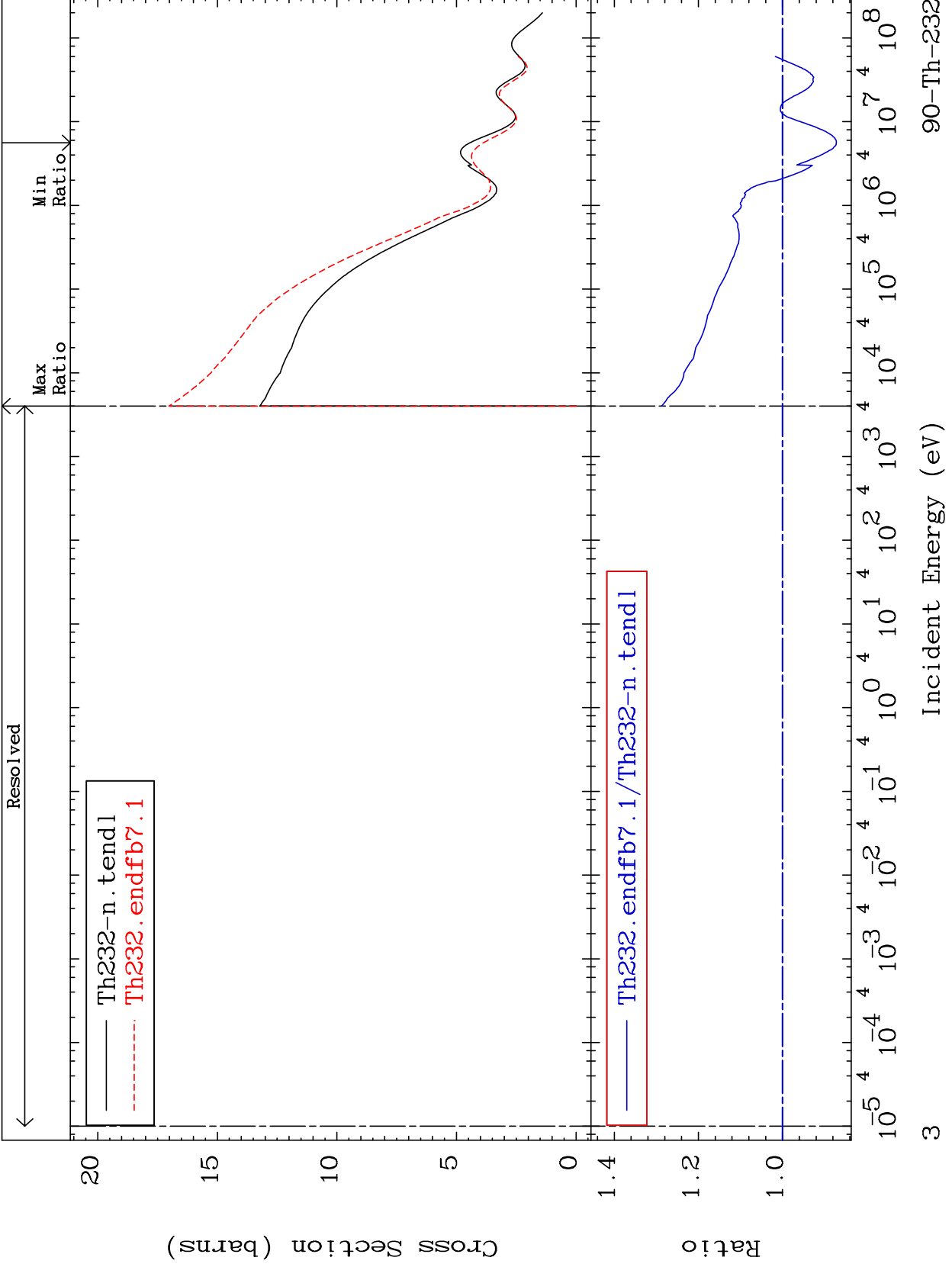
90-Th-232



MAT 9040

Elastic  
Cross Section

90-Th-232  
-12.81 To 28.74 %



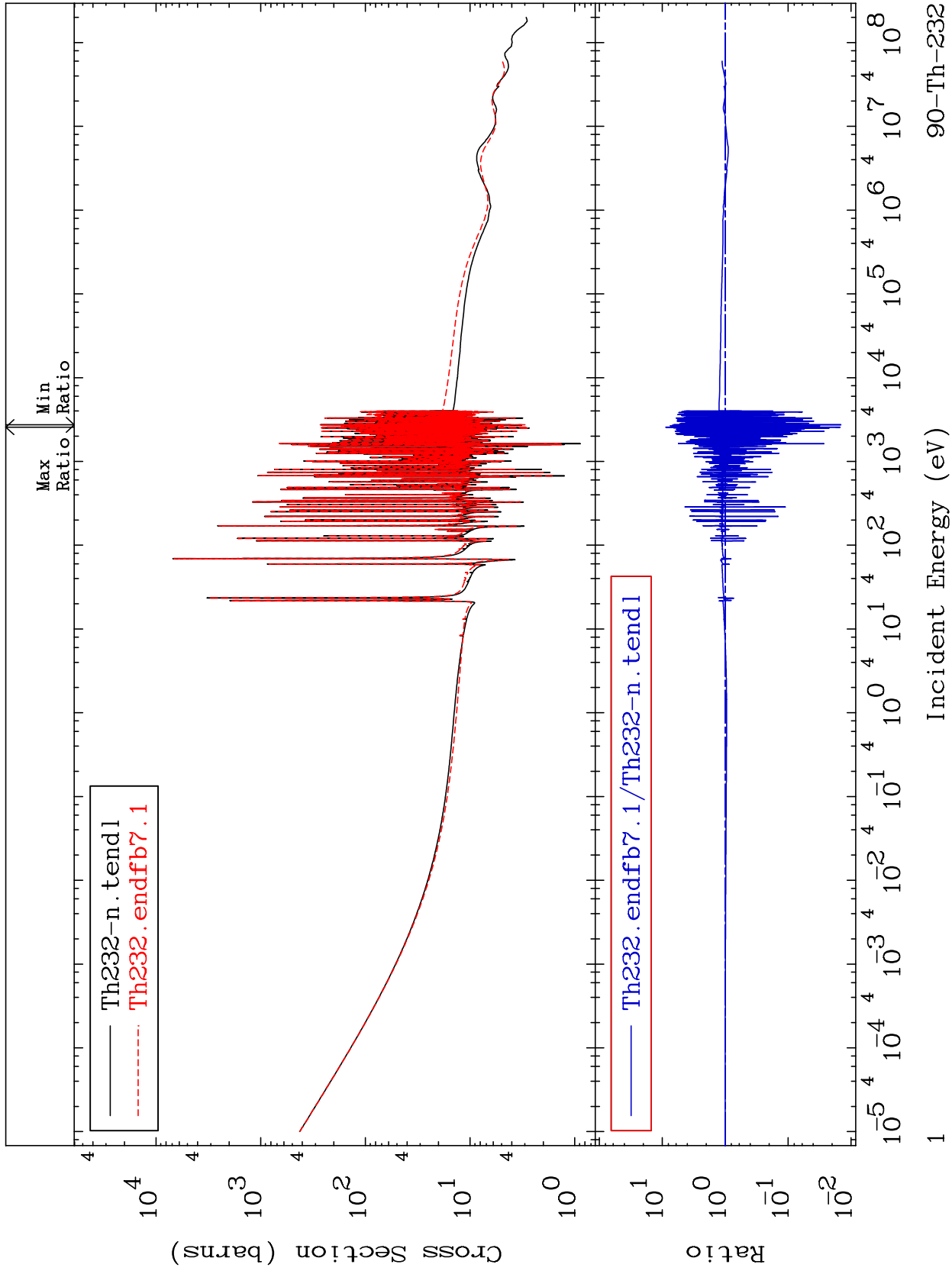
MAT 9040

Total

Cross Section

90-Th-232

-98.54 To 772.0 %



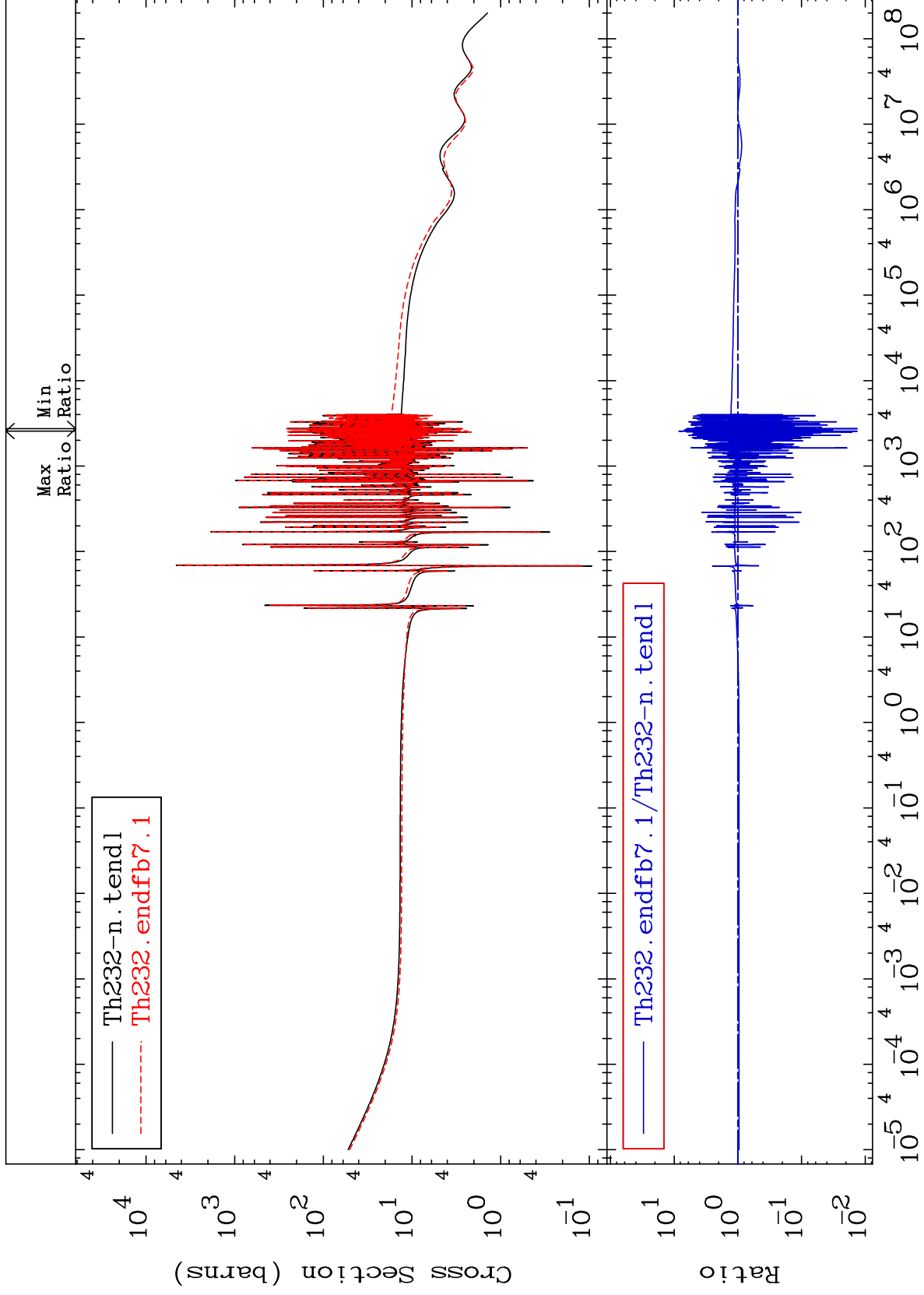
Incident Energy (eV)

90-Th-232

MAT 9040

Elastic  
Cross Section

90-Th-232  
-98.67 To 738.1 %



2

Incident Energy (eV)

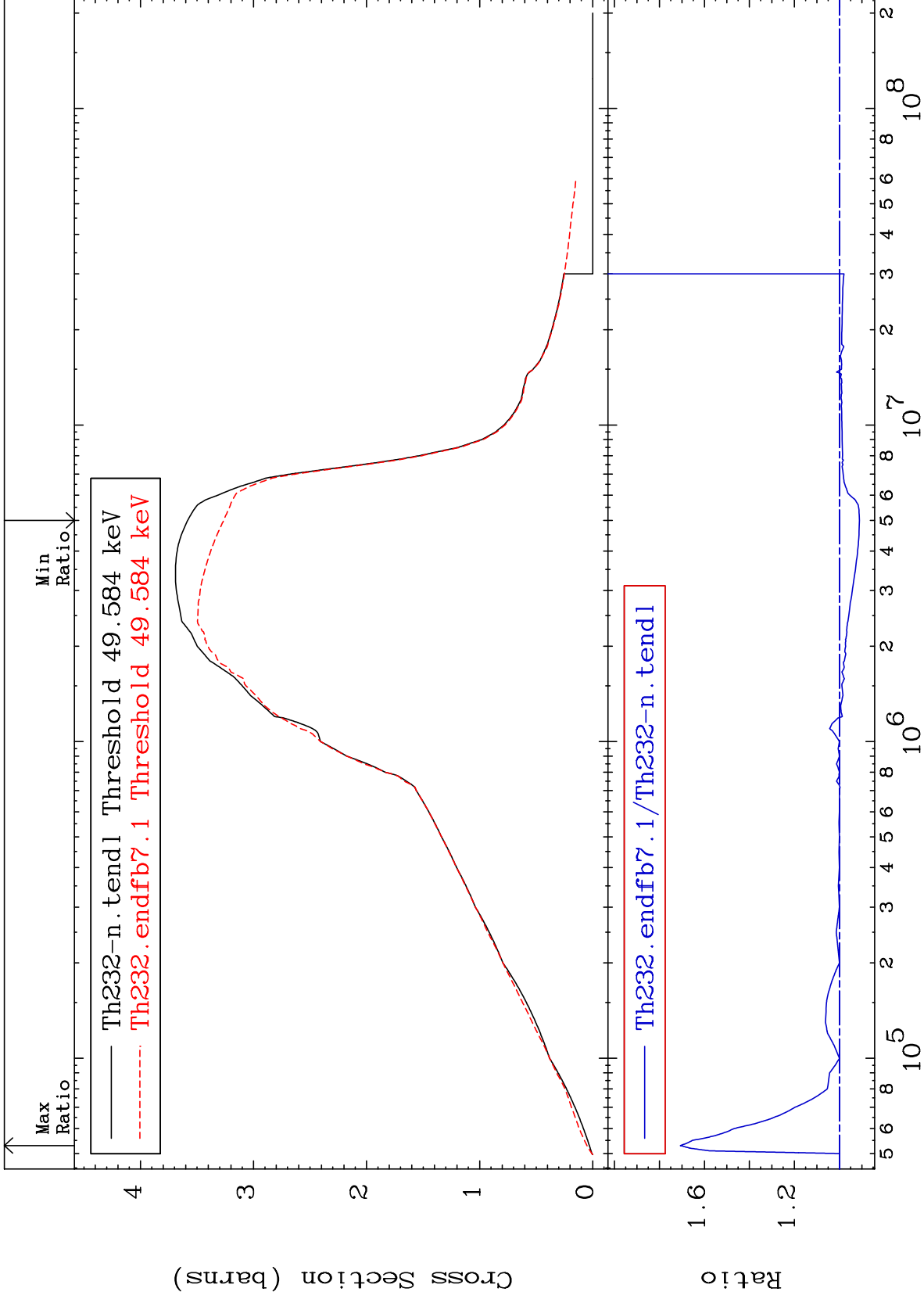
90-Th-232



MAT 9040

Inelastic  
Cross Section

90-Th-232  
-8.881 To 70.68 %



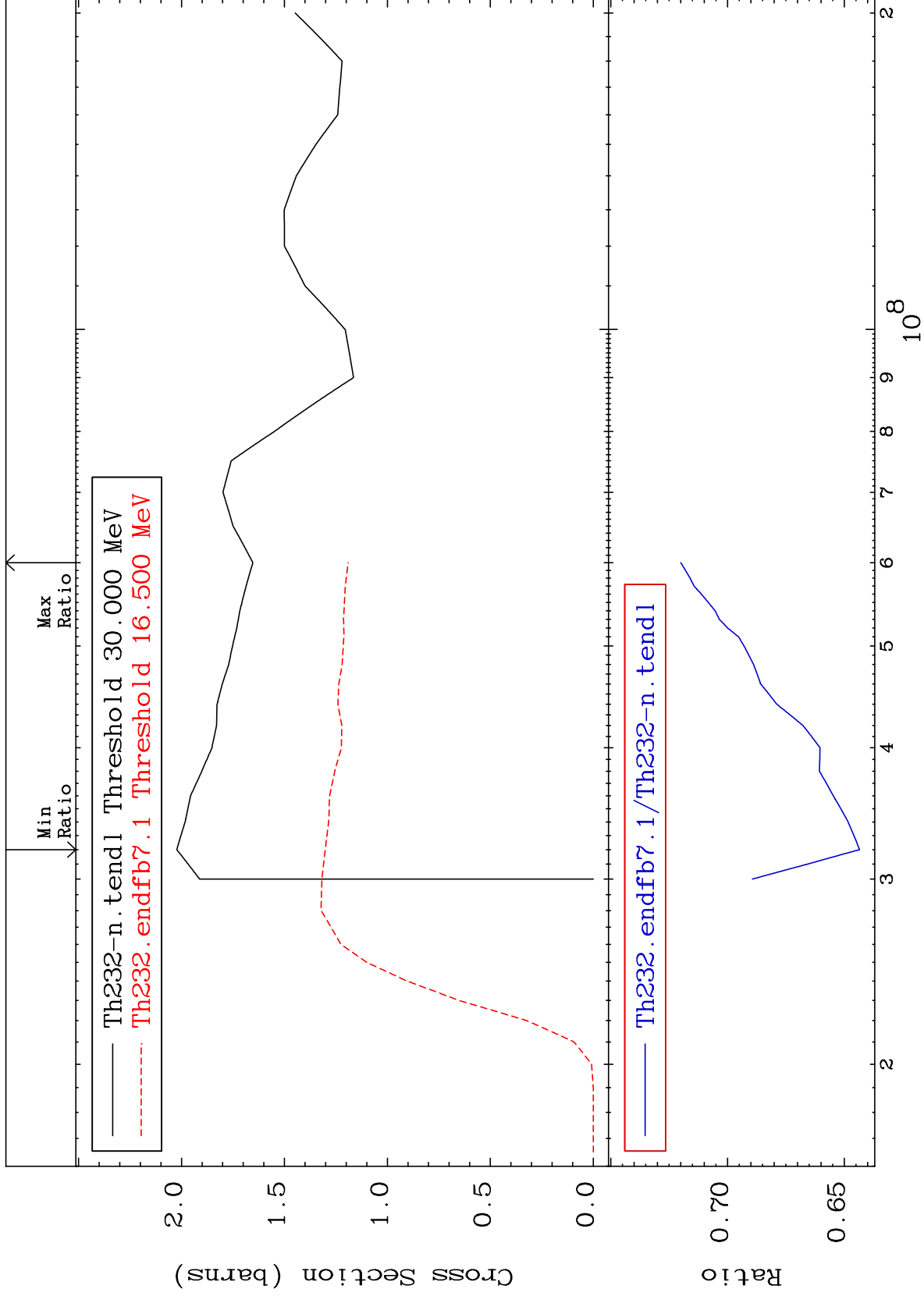
3

90-Th-232

MAT 9040

(n, remainder)  
Cross Section

90-Th-232  
-35.65 To -28.00%



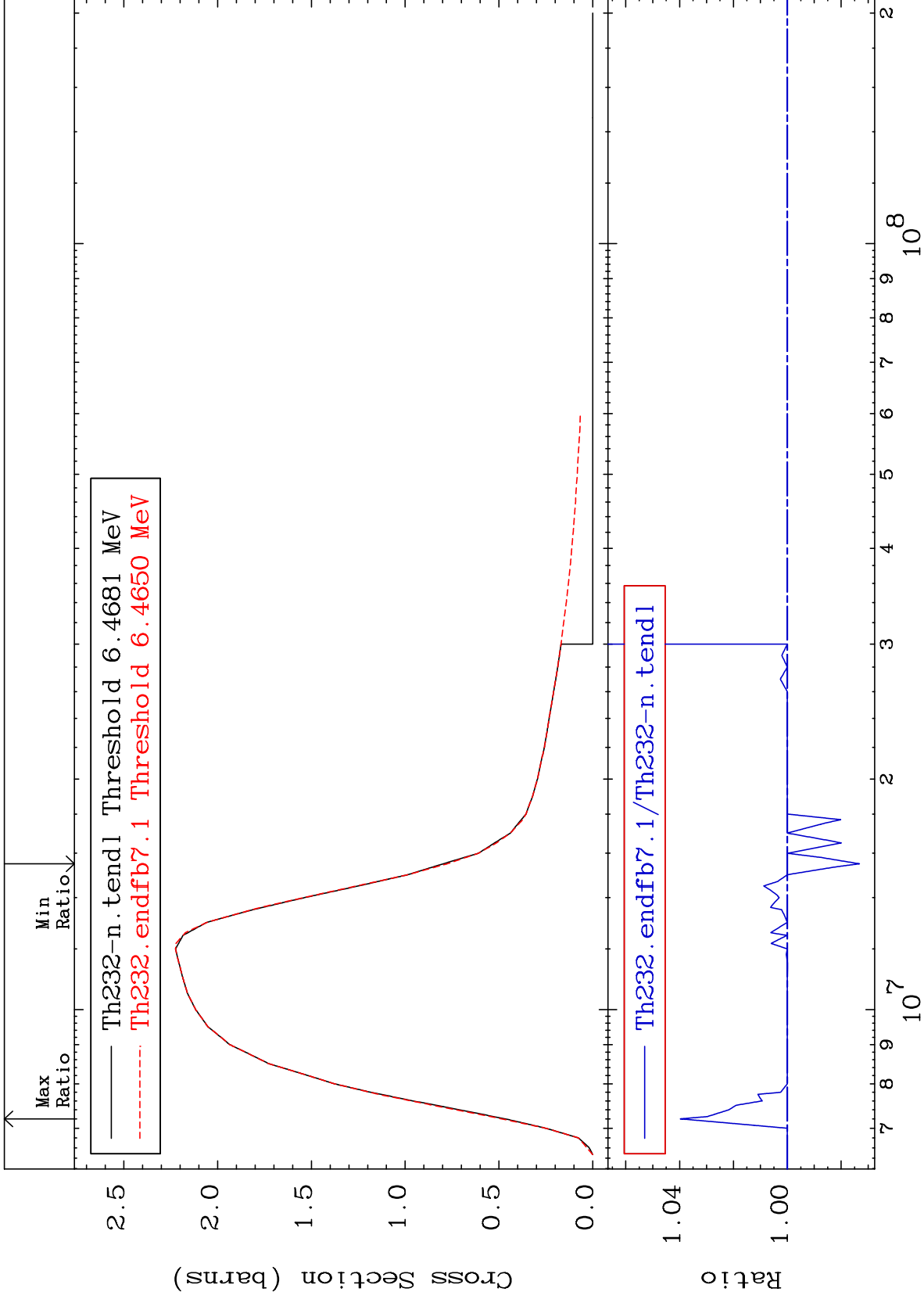
MAT 9040

(n,2n)

90-Th-232

Cross Section

-2.678 To 3.972 %



5

Incident Energy (eV)

90-Th-232

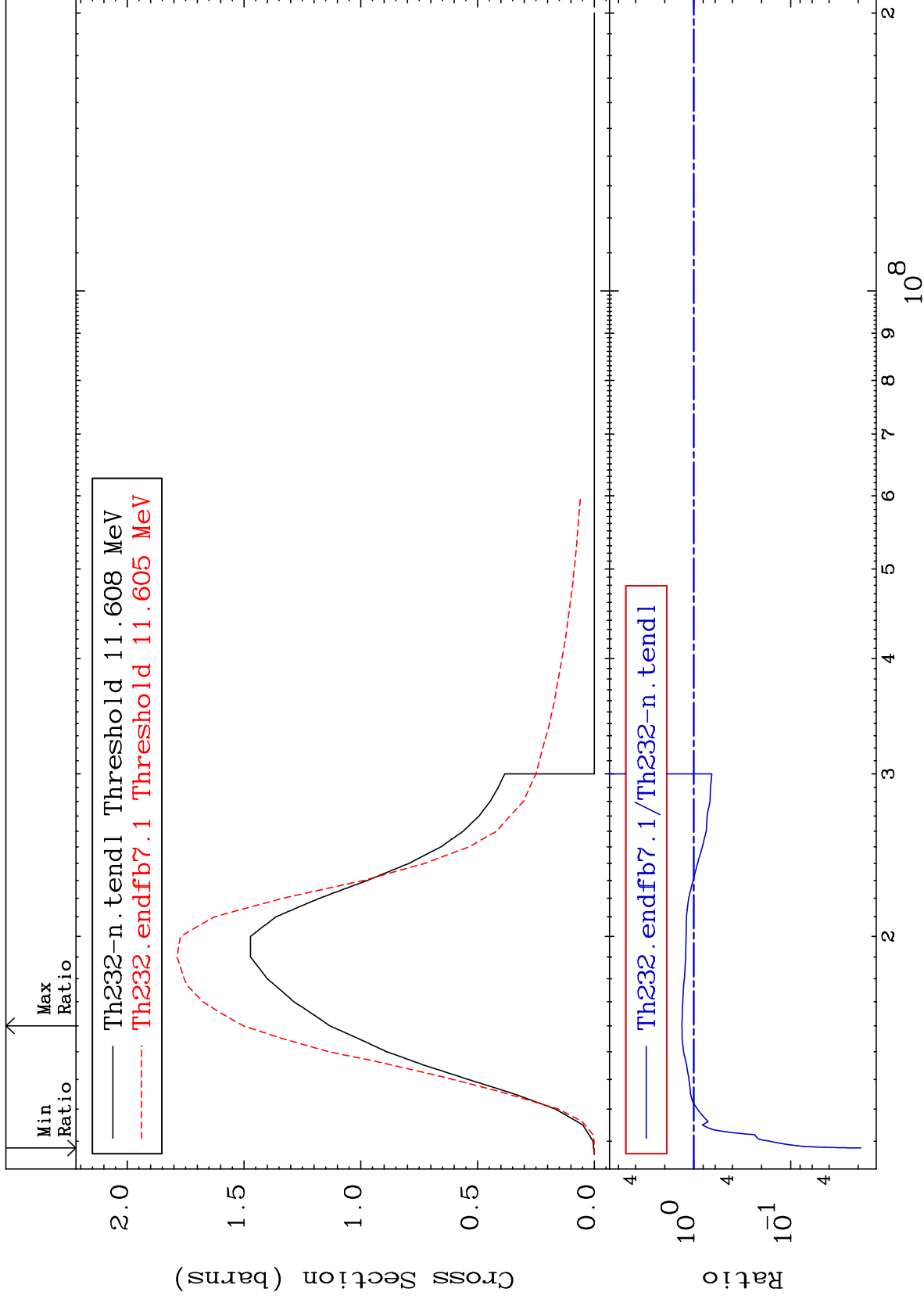
MAT 9040

(n, 3n)

90-Th-232

Cross Section

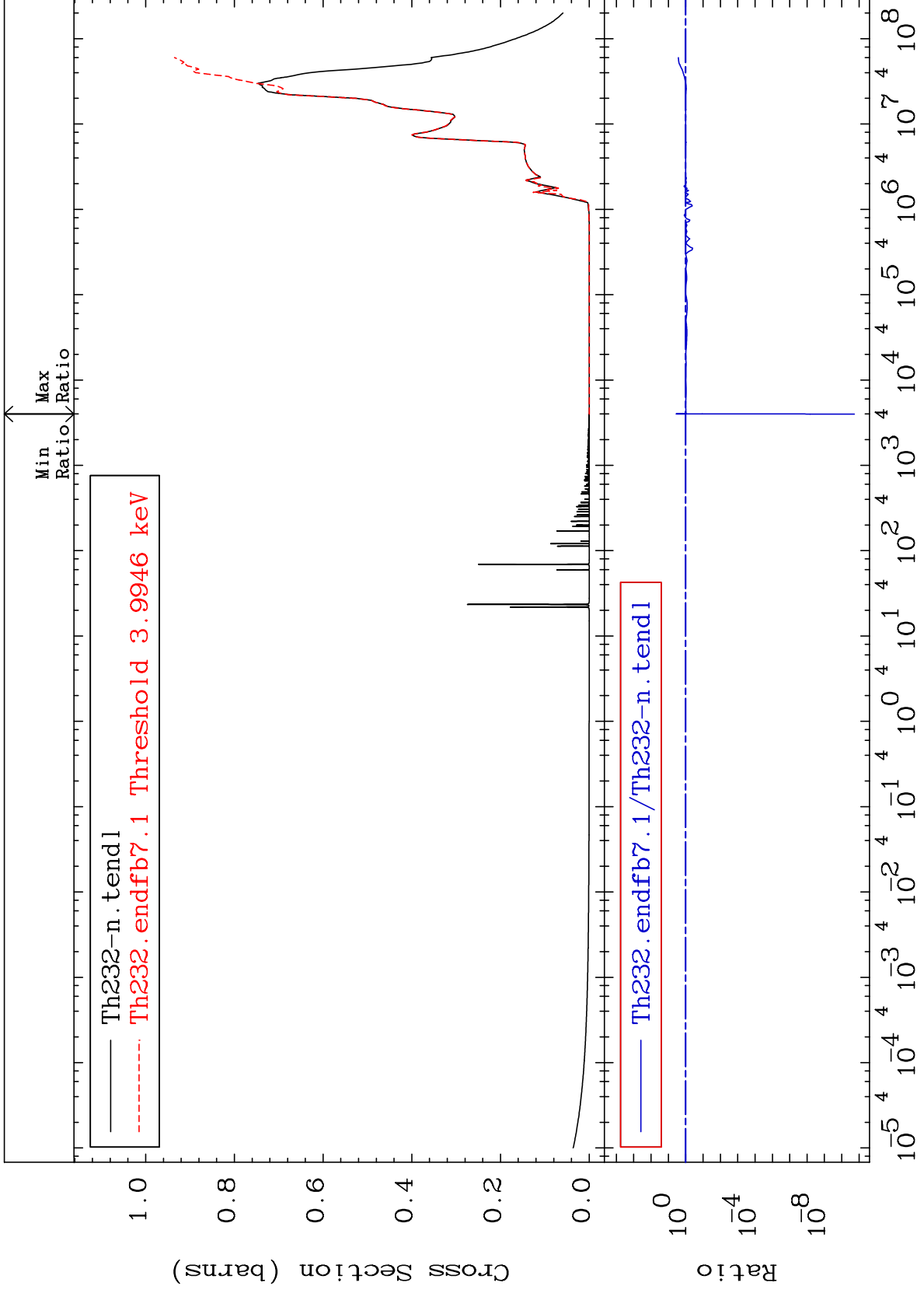
-98.12 To 32.78 %



MAT 9040

Fission  
Cross Section

90-Th-232  
-100.0 To 246.8 %



7

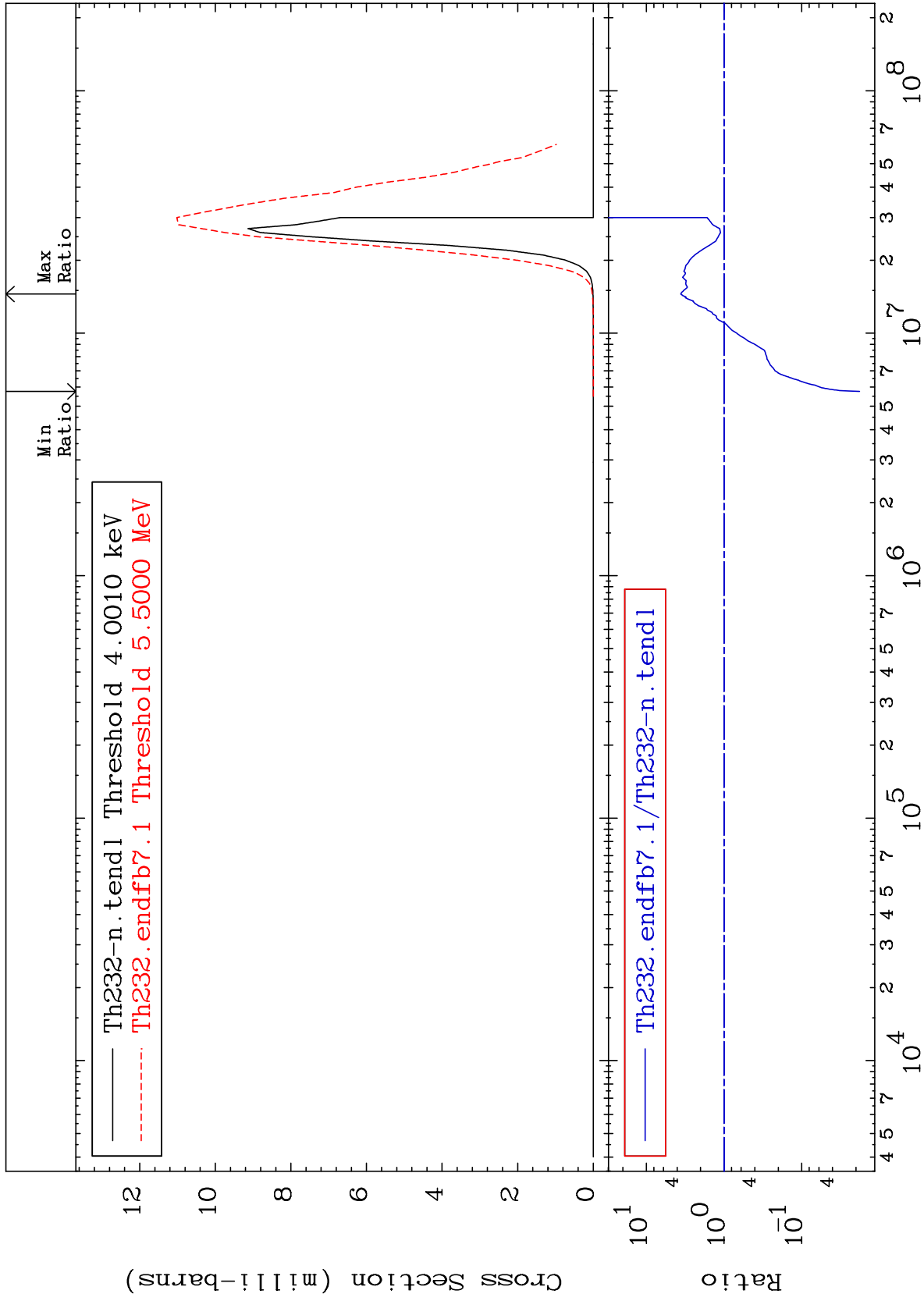
Incident Energy (eV)

90-Th-232

MAT 9040

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

90-Th-232  
-98.20 To 259.9 %

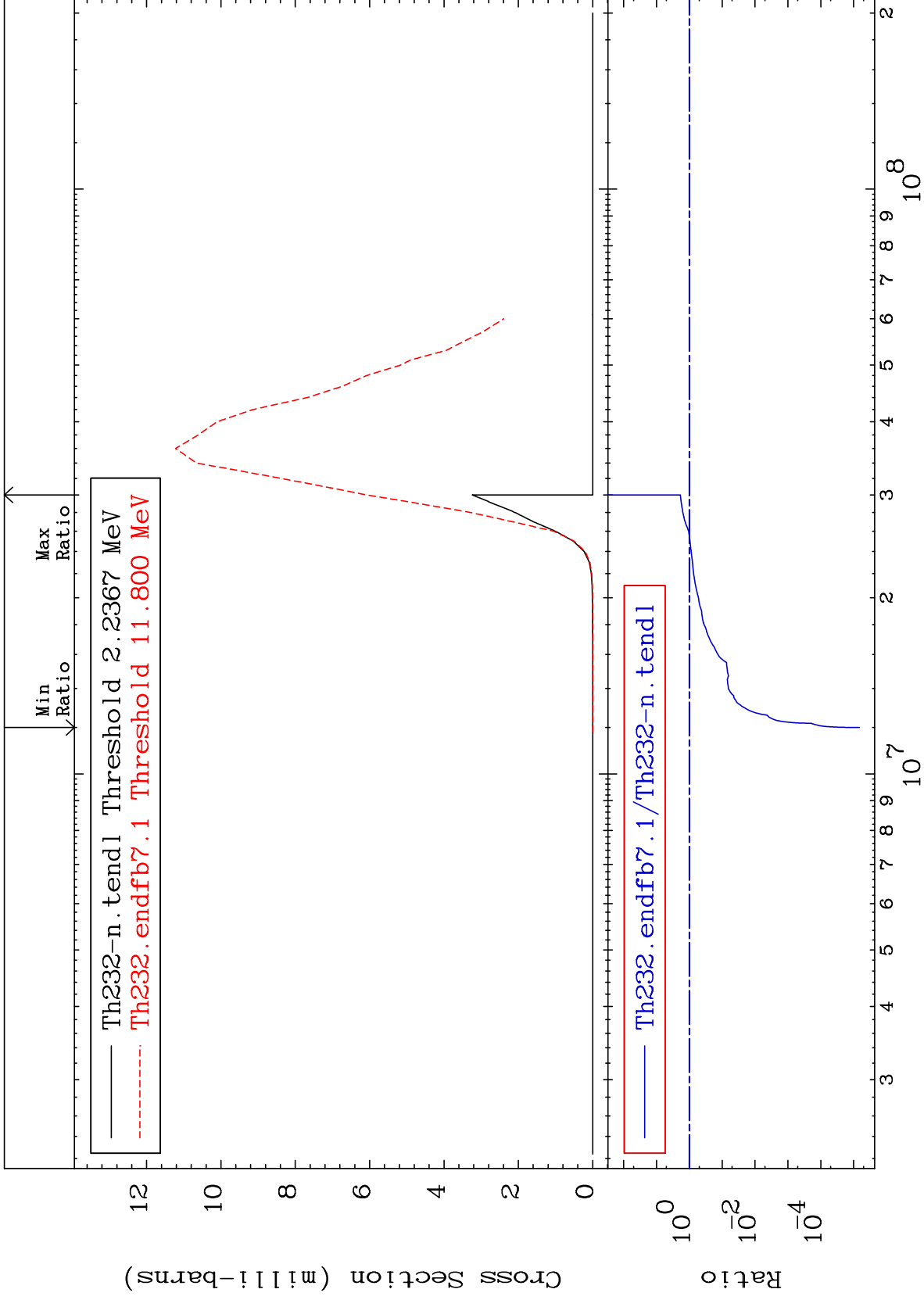


MAT 9040

(n,2n)  $\alpha$

90-Th-232  
-100.0 To 87.74 %

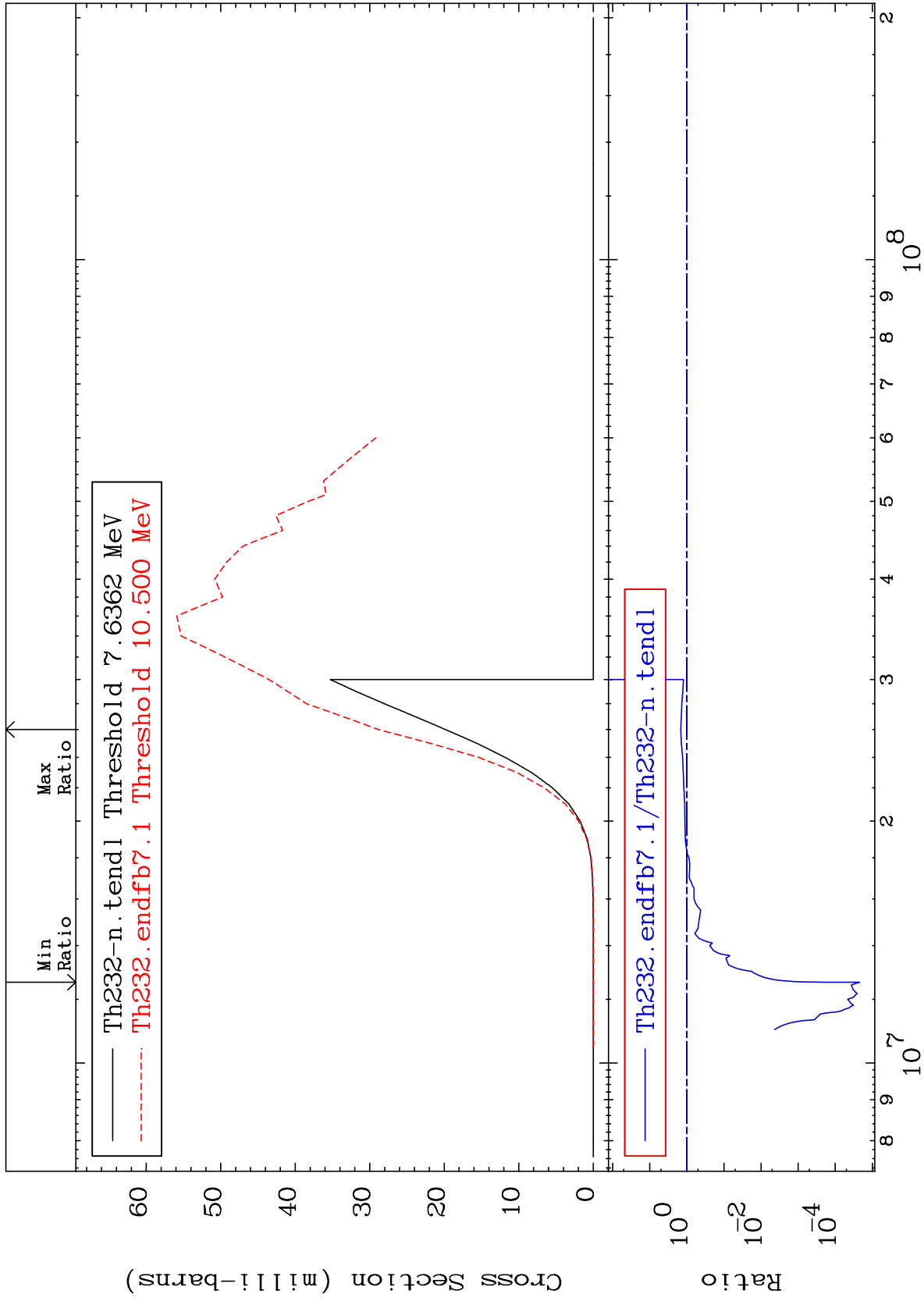
Cross Section



MAT 9040

(n,n') p  
Cross Section

90-Th-232  
-100.0 To 45.43 %



10

Incident Energy (eV)

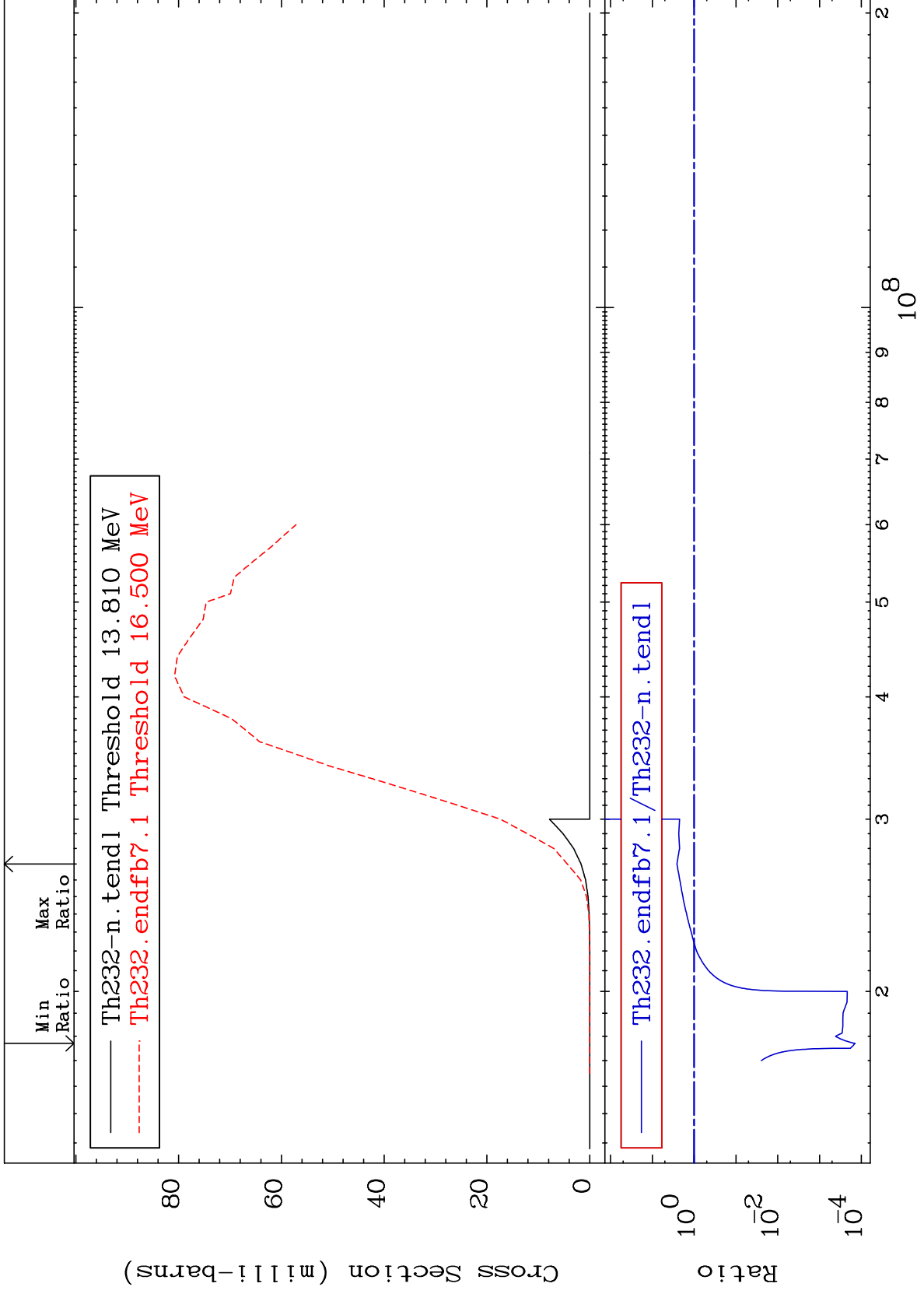
90-Th-232



MAT 9040

(n,2n) p  
Cross Section

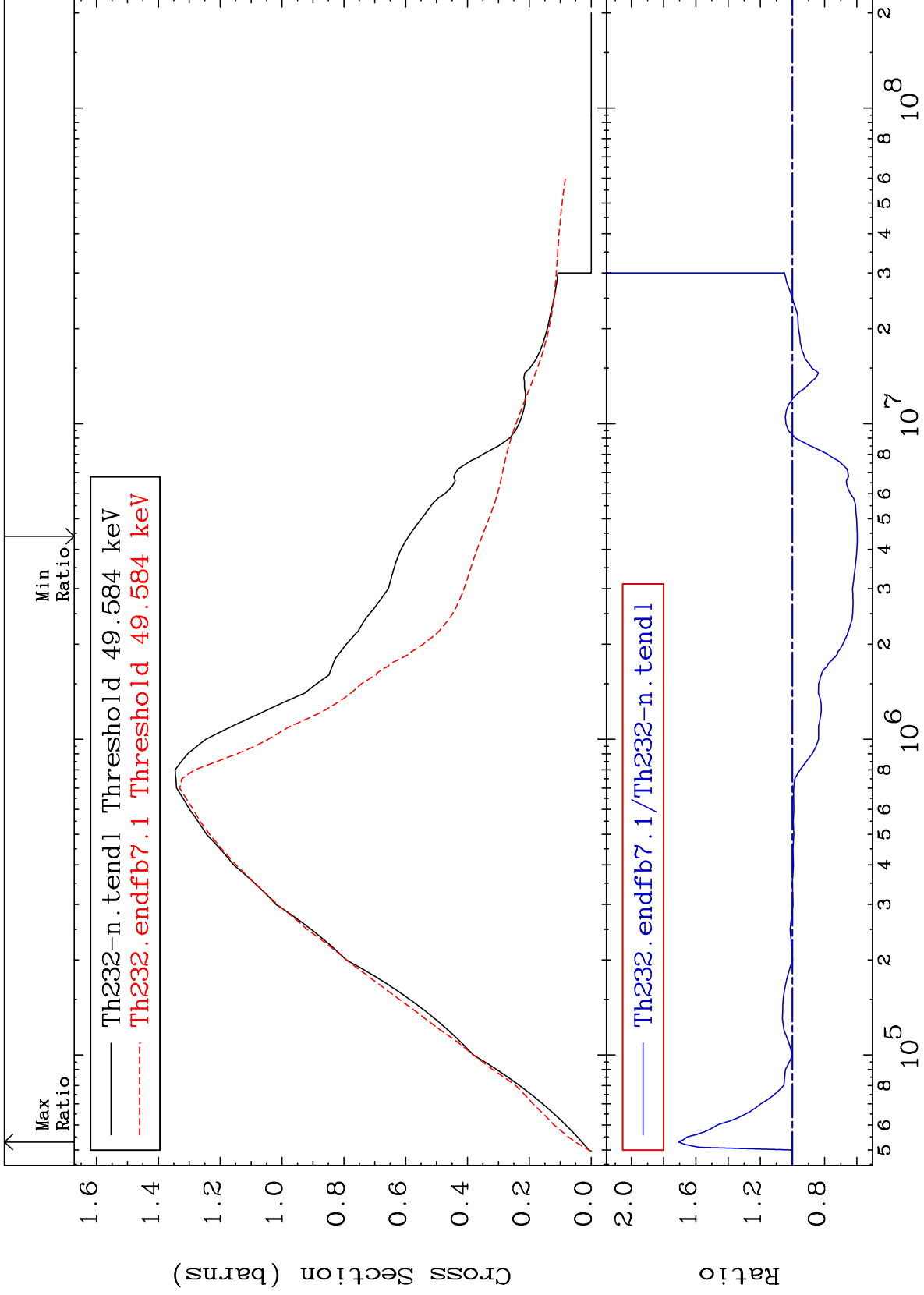
90-Th-232  
-99.99 To 157.9 %



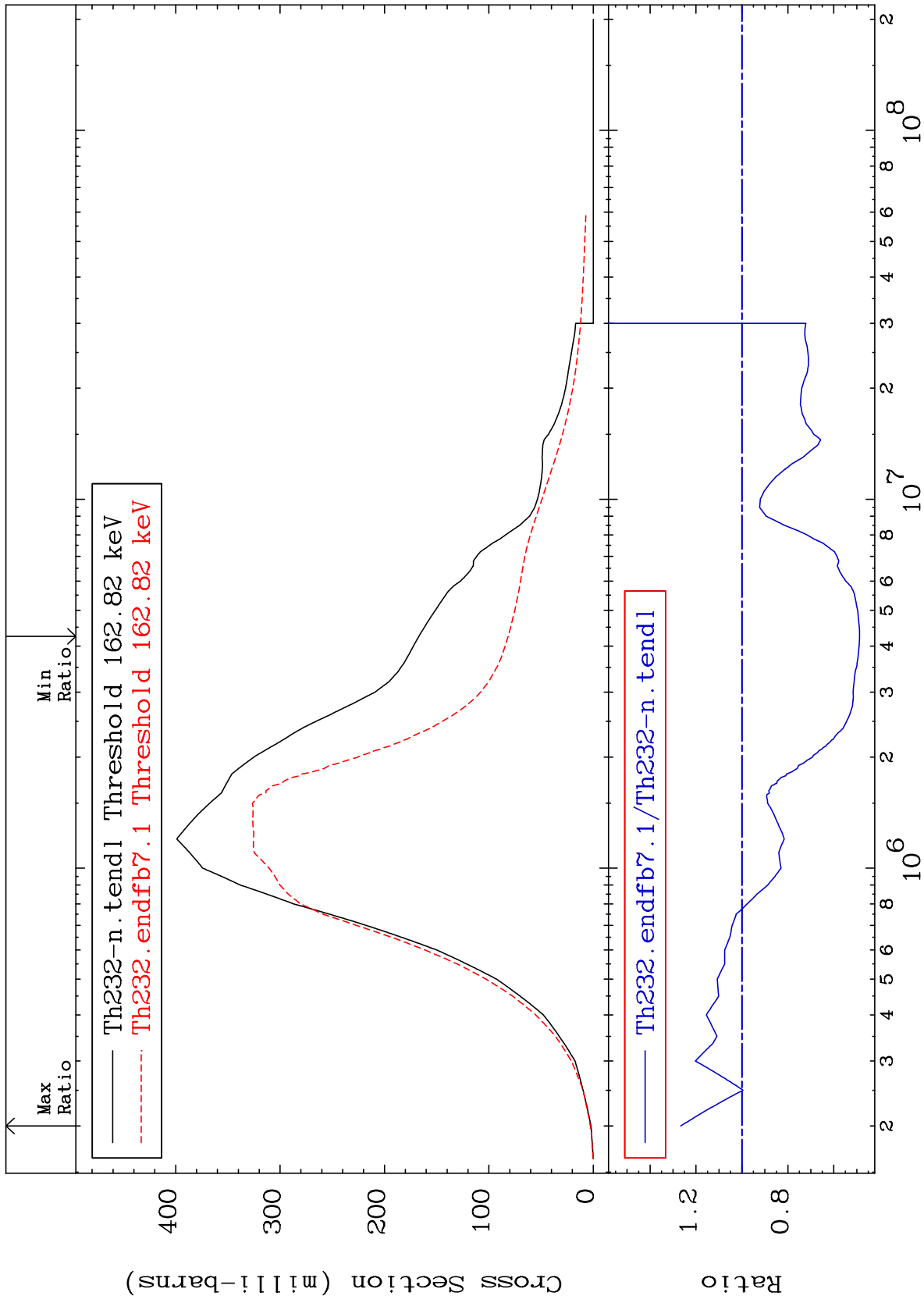
MAT 9040

49.37 keV (n,n') Level  
Cross Section

90-Th-232  
-40.23 To 70.68 %



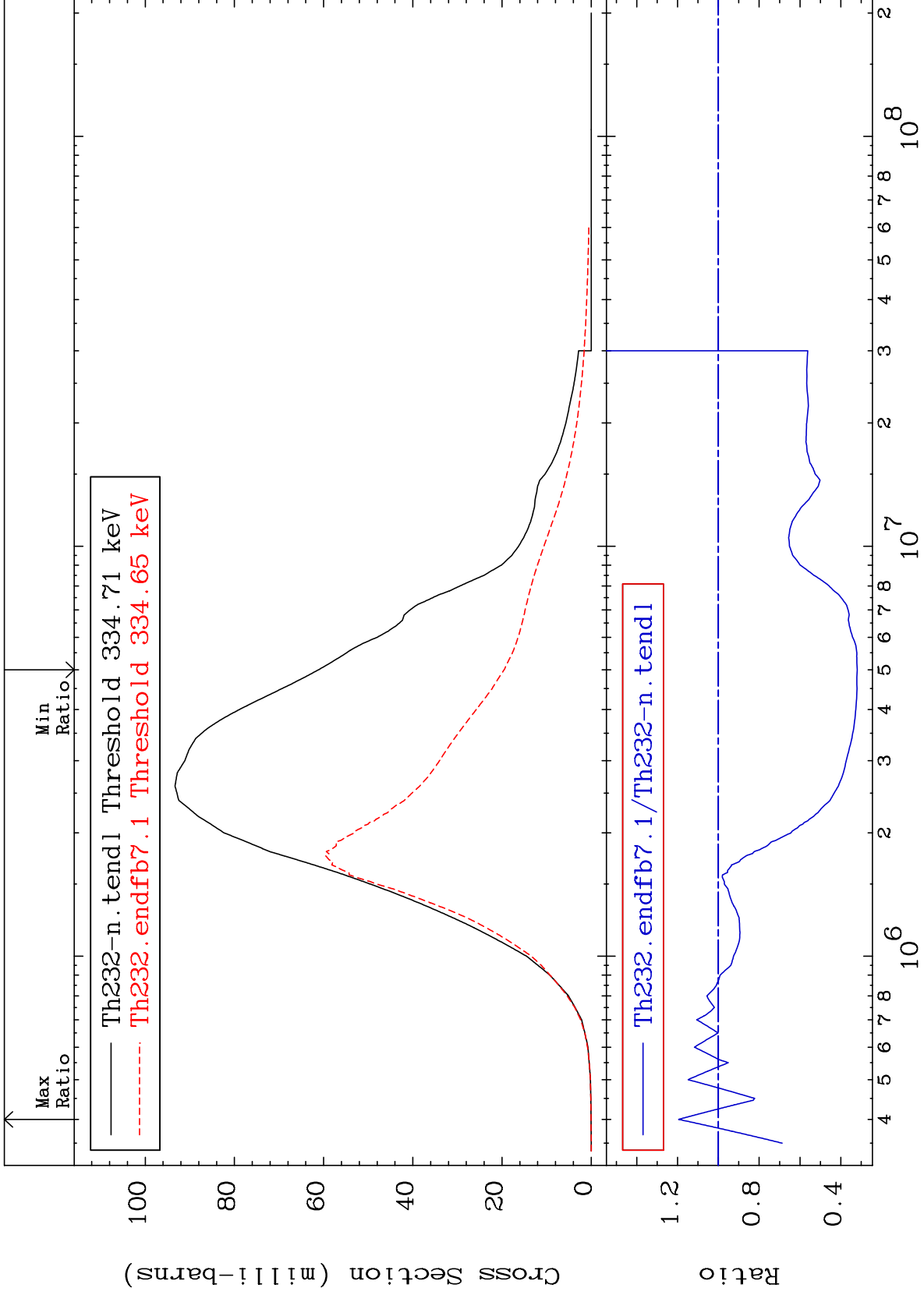
MAT 9040      162.1 keV (n,n') Level      90-Th-232  
 Cross Section      -51.21 To 26.64 %



MAT 9040

333.3 keV (n,n') Level  
Cross Section

90-Th-232  
-68.07 To 19.47 %



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90-Th-232

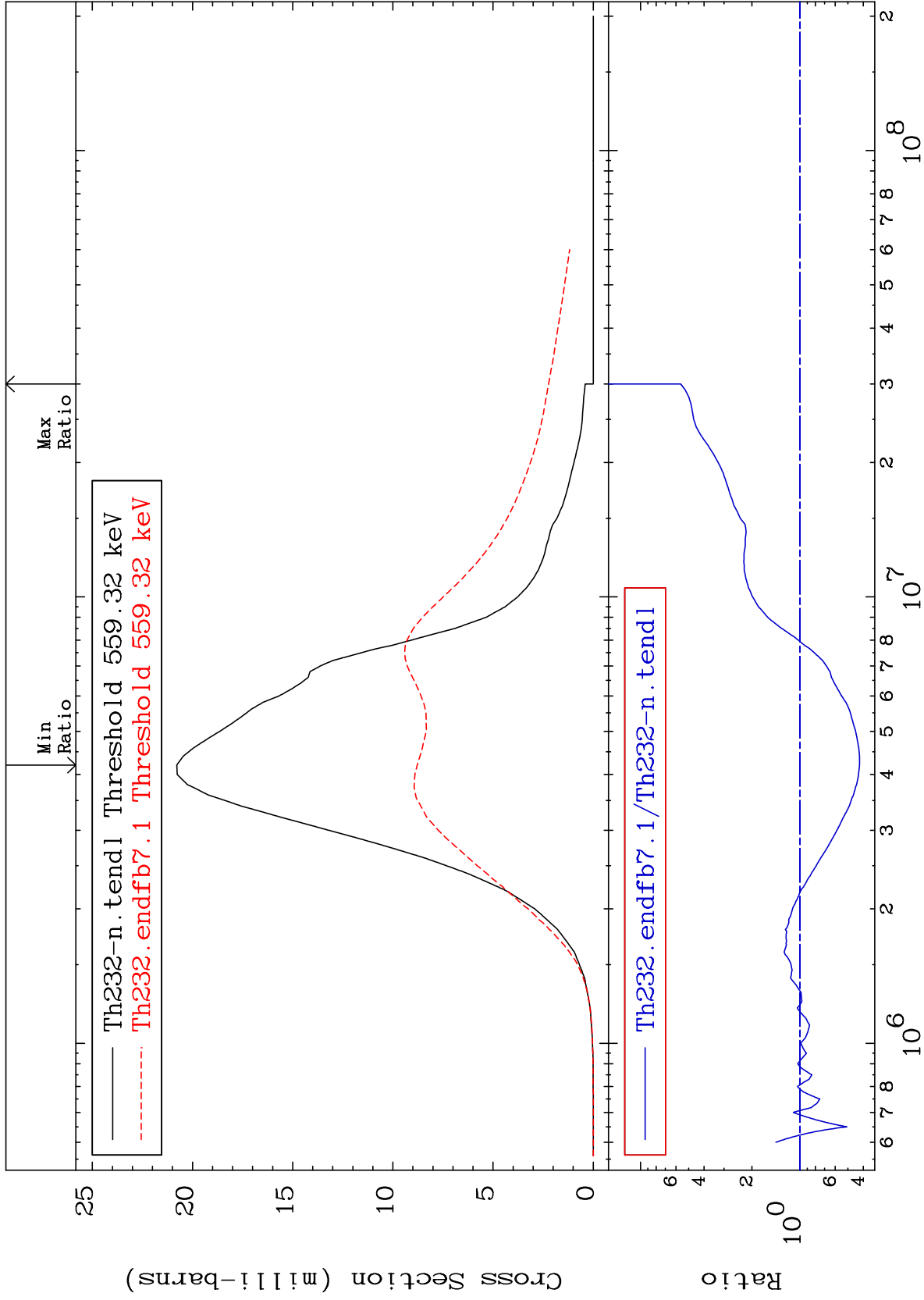
MAT 9040

556.9 keV (n,n') Level

90-Th-232

Cross Section

-57.74 To 459.9 %



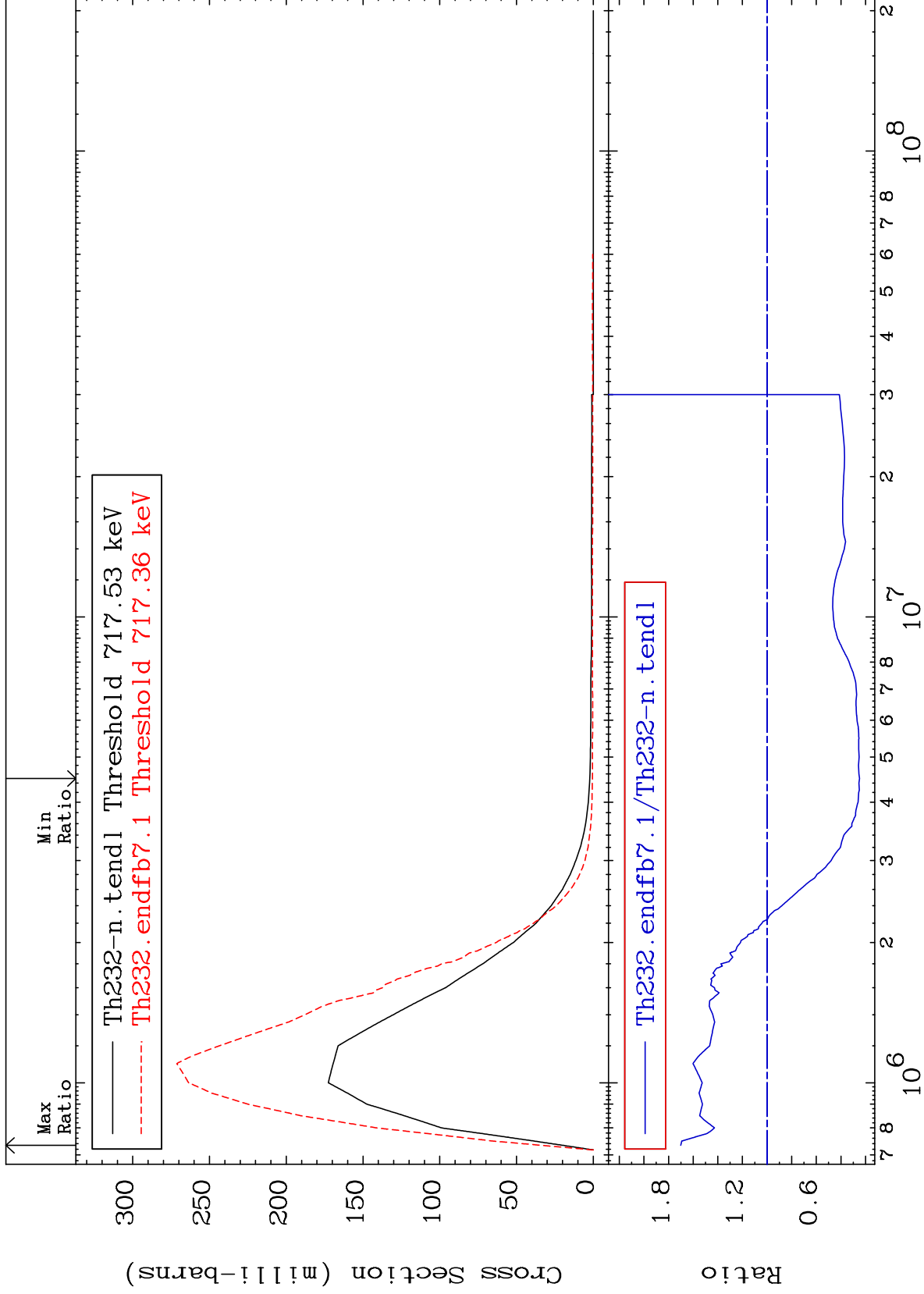
15

90-Th-232

MAT 9040

714.4 keV (n,n') Level  
Cross Section

90-Th-232  
-75.13 To 70.08 %



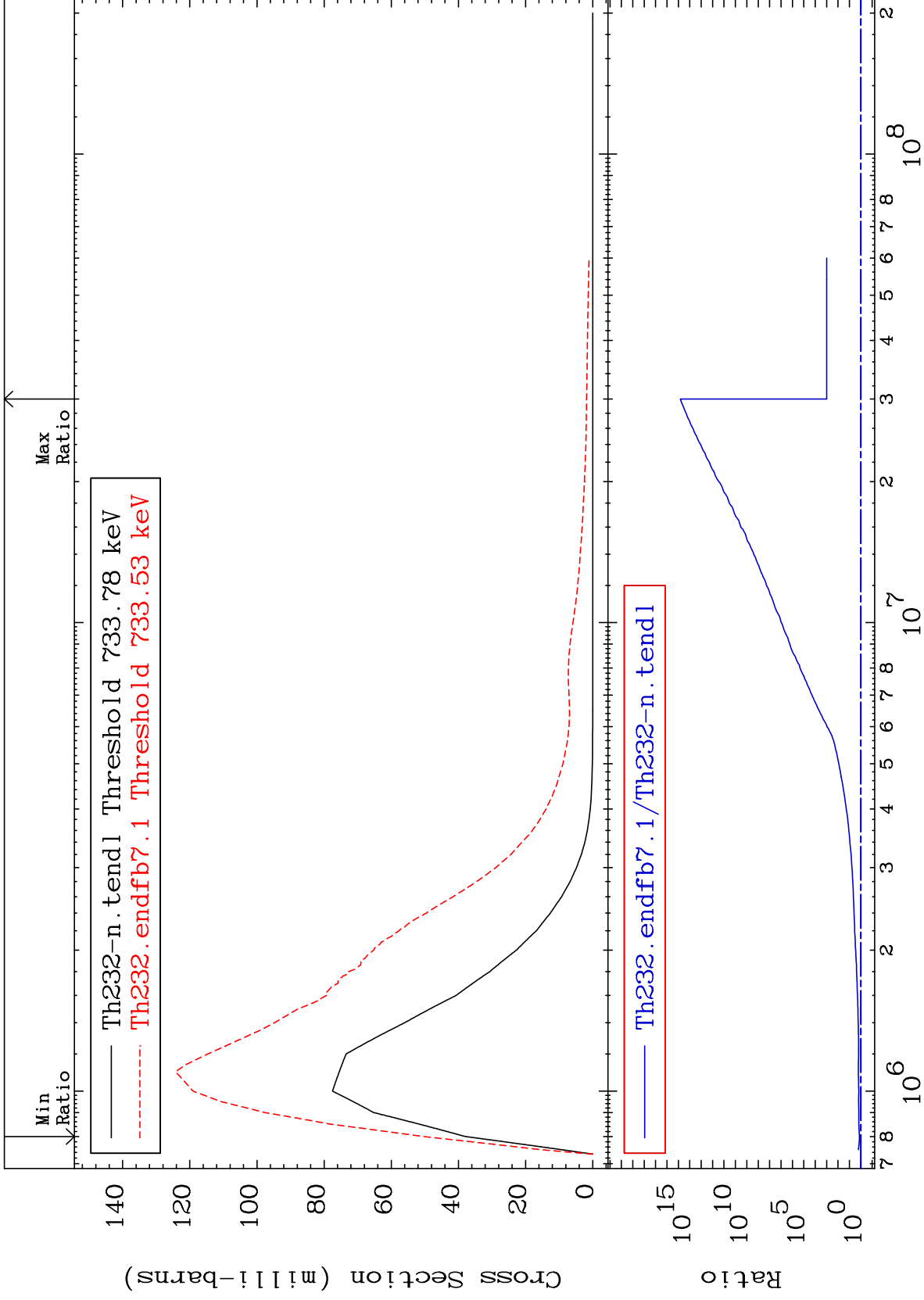
16

90-Th-232

MAT 9040

730.6 keV (n,n') Level  
Cross Section

90-Th-232  
To 9999. %  
32.87



17

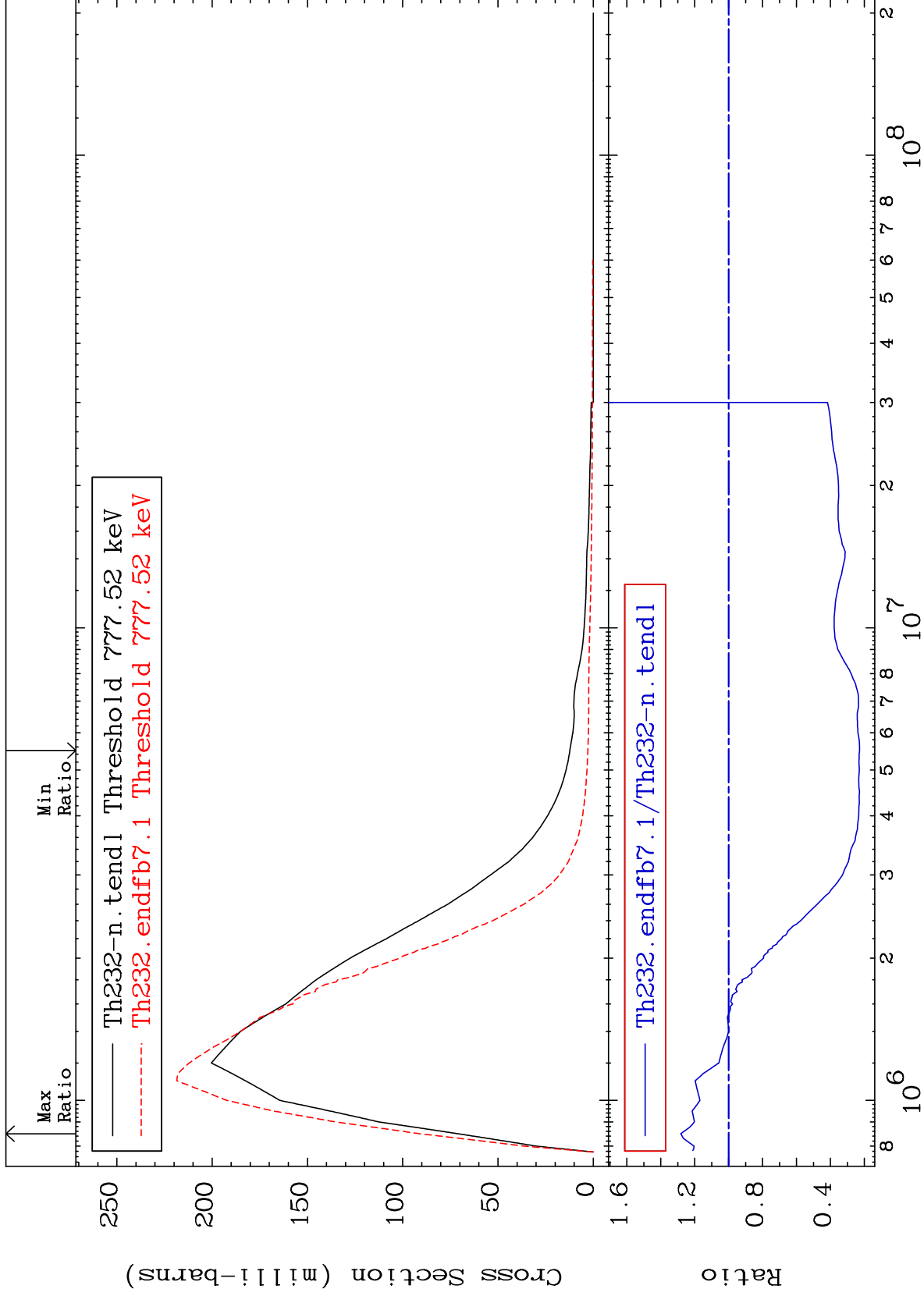
Incident Energy (eV)

90-Th-232

MAT 9040

774.2 keV (n,n') Level  
Cross Section

90-Th-232  
-77.14 To 28.23 %



18

Incident Energy (eV)

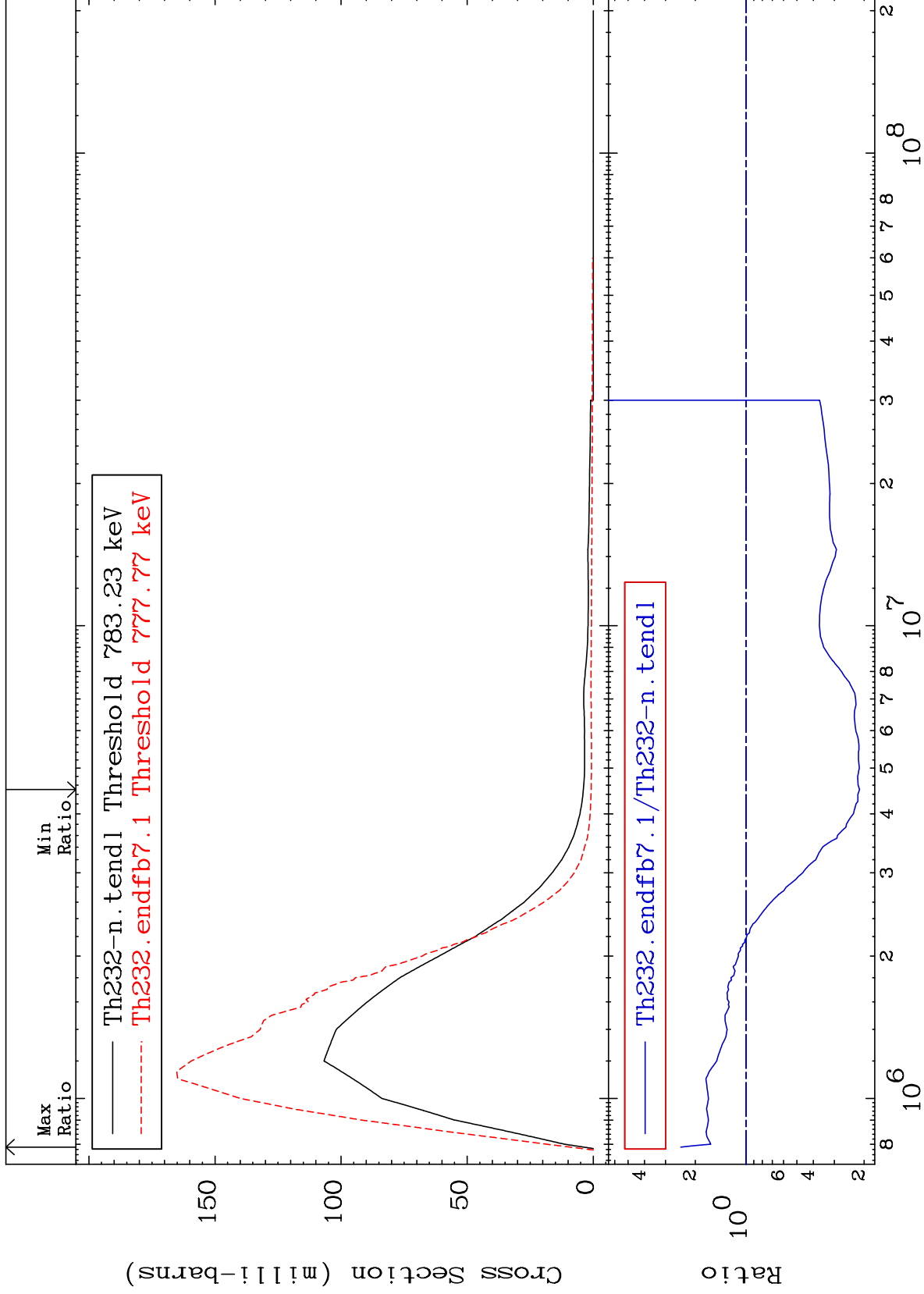
90-Th-232



MAT 9040

779.8 keV (n,n') Level  
Cross Section

90-Th-232  
-78.74 To 143.8 %



19

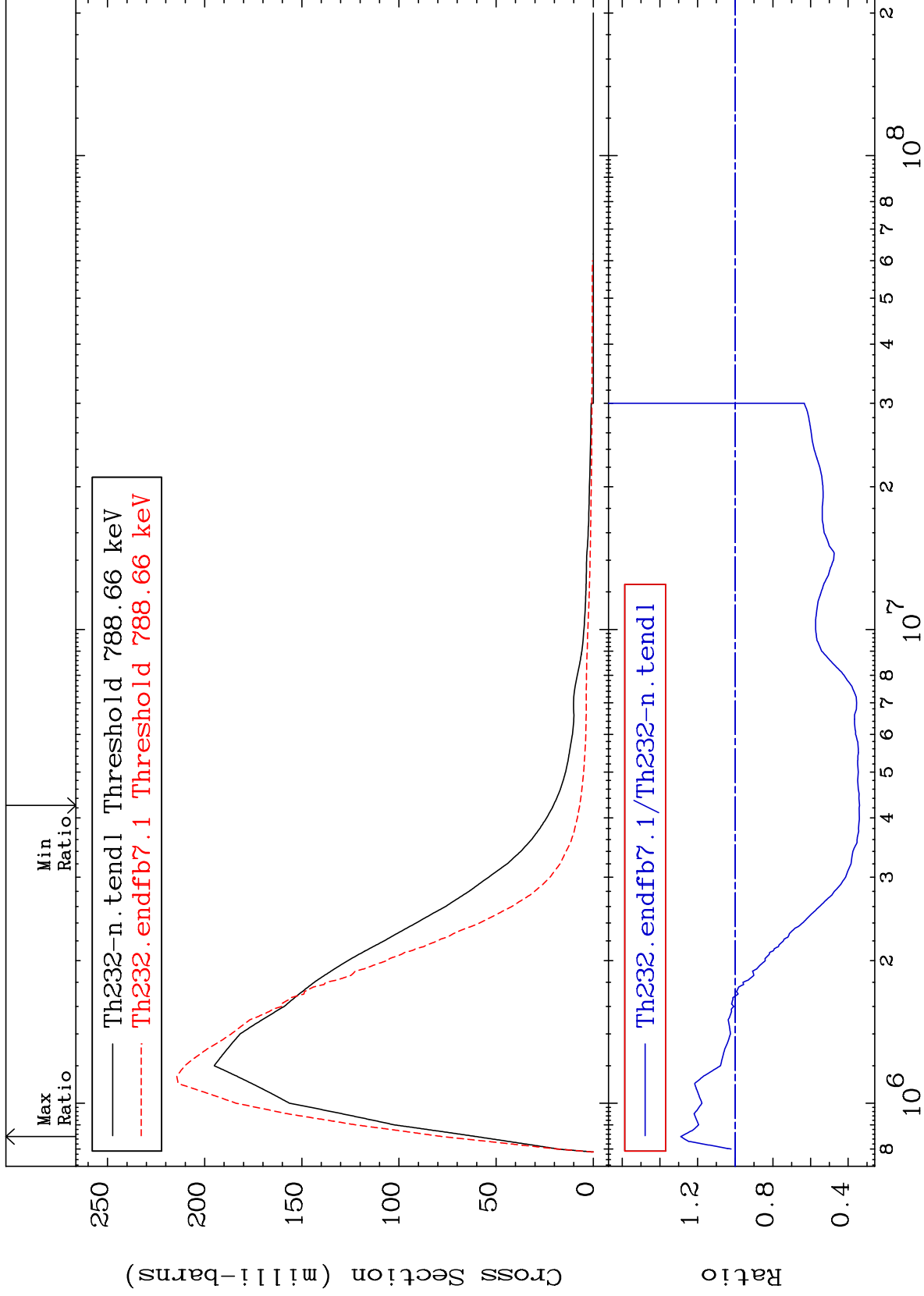
Incident Energy (eV)

90-Th-232

MAT 9040

785.3 keV (n,n') Level  
Cross Section

90-Th-232  
-66.03 To 28.89 %



20

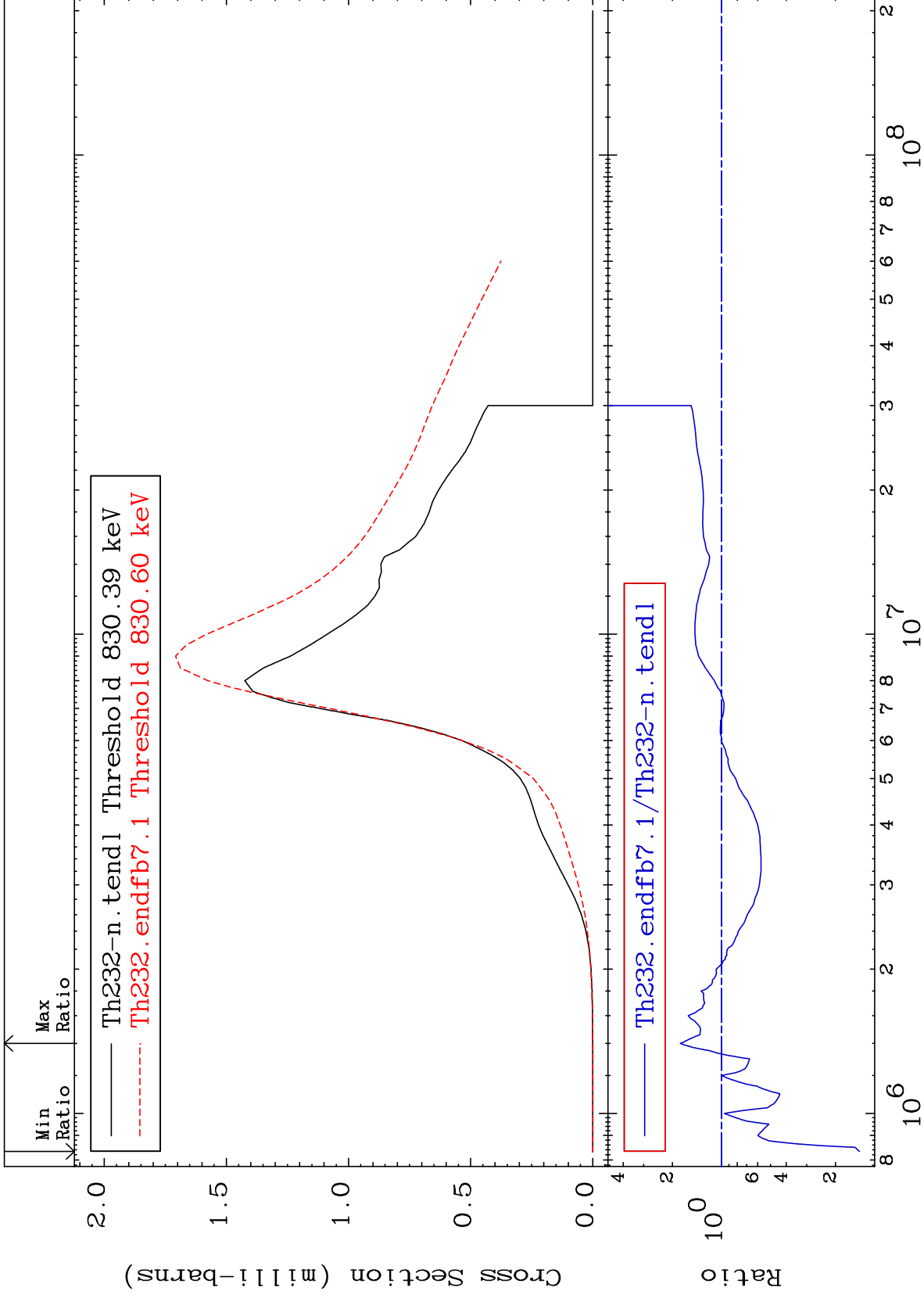
Incident Energy (eV)

90-Th-232

MAT 9040

826.8 keV (n,n') Level  
Cross Section

90-Th-232  
-85.76 To 78.59 %



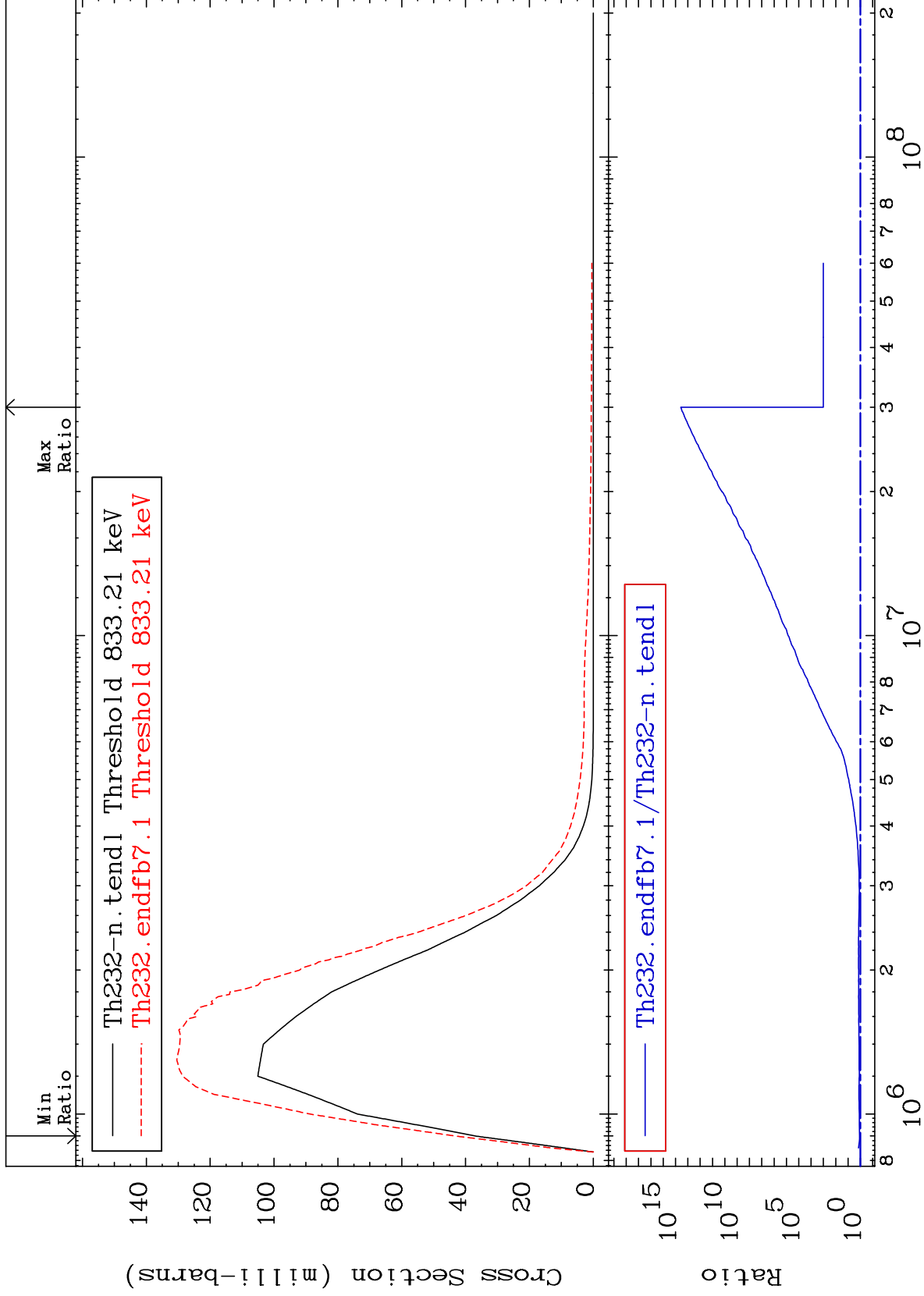
21

90-Th-232

MAT 9040

829.6 keV (n,n') Level  
Cross Section

90-Th-232  
16.67 To 9999. %



22

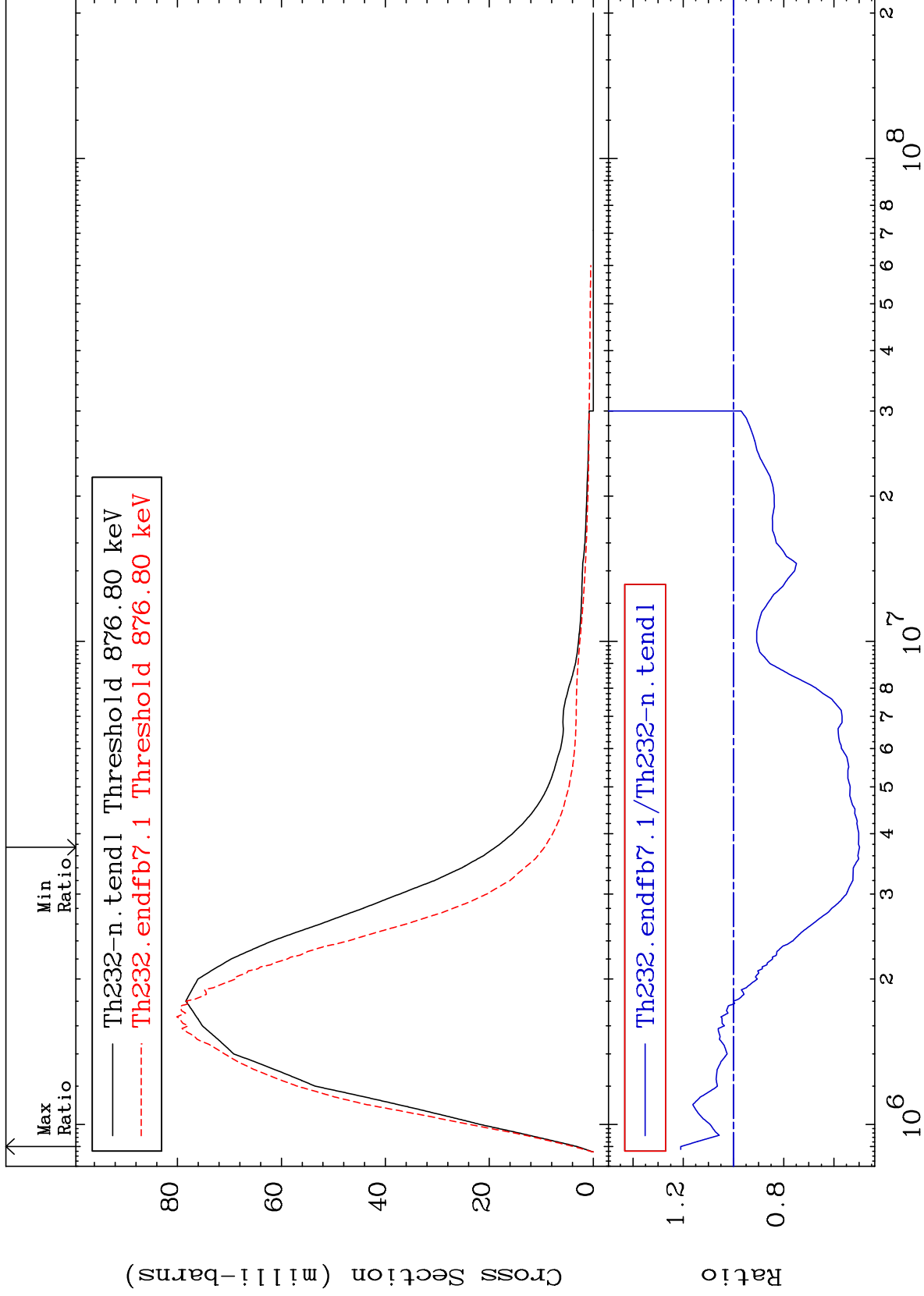
Incident Energy (eV)

90-Th-232

MAT 9040

873.0 keV (n,n') Level  
Cross Section

90-Th-232  
-50.18 To 20.97 %



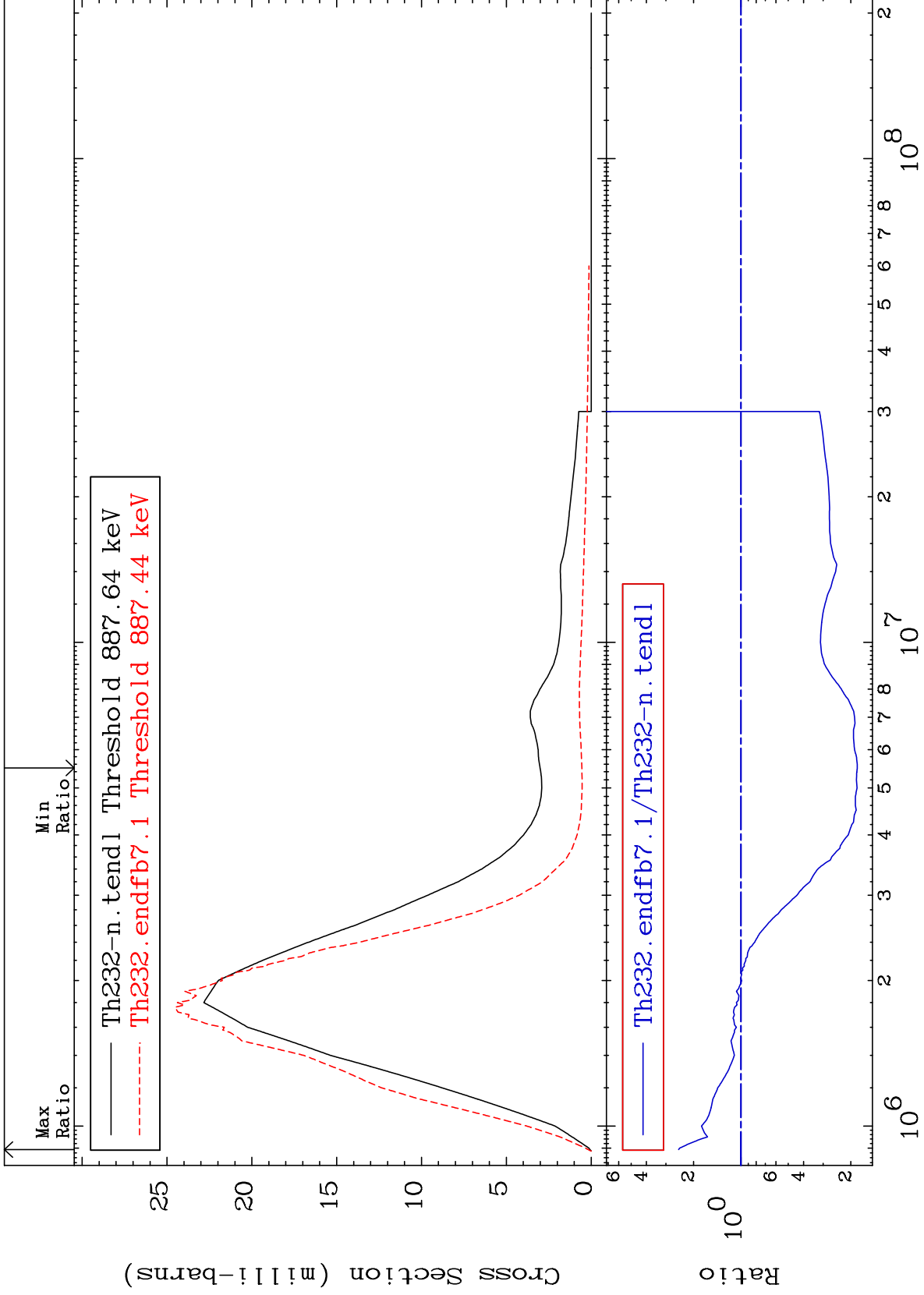
23

90-Th-232

MAT 9040

883.8 keV (n,n') Level  
Cross Section

90-Th-232  
-81.80 To 149.2 %



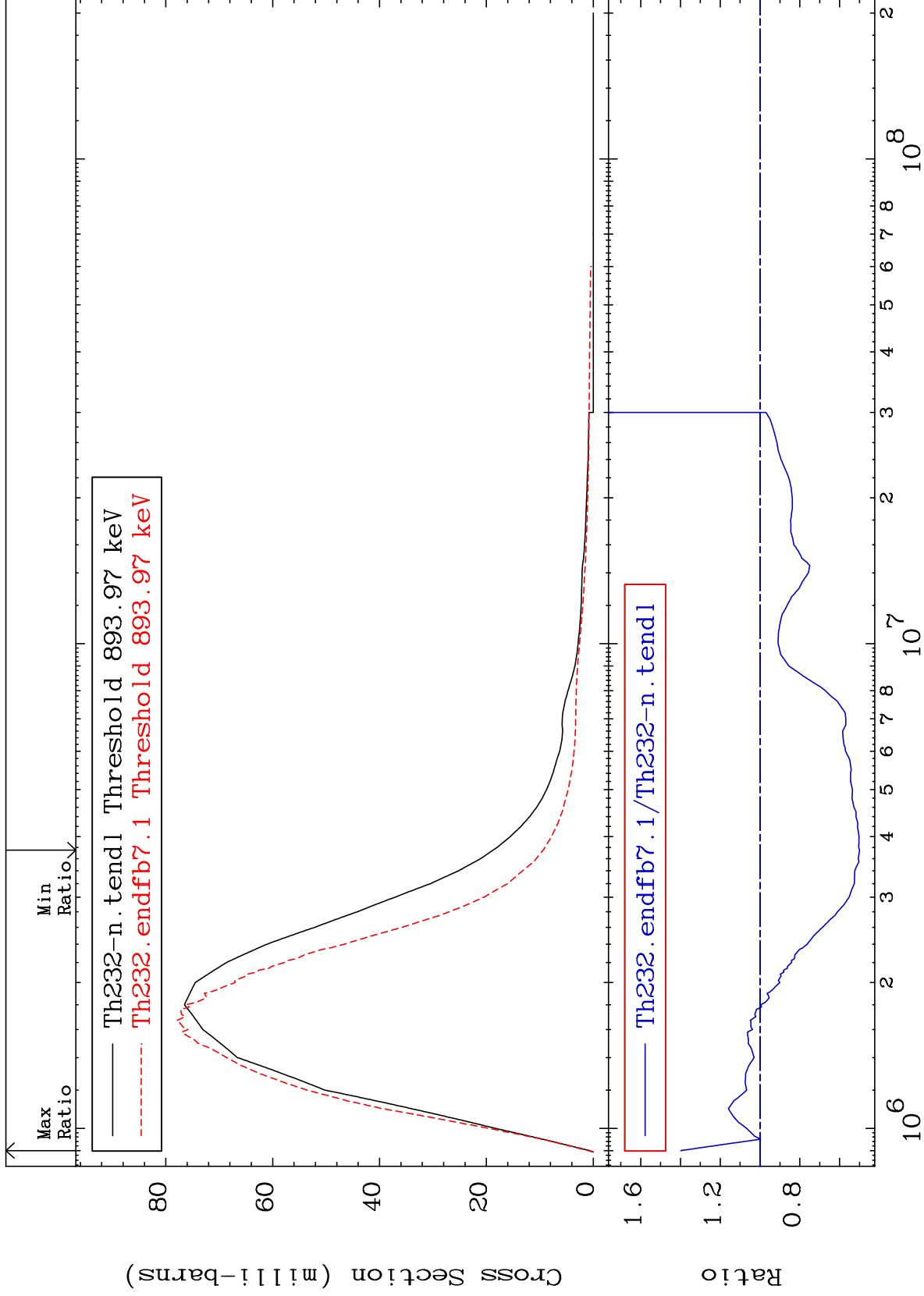
24

90-Th-232

MAT 9040

890.1 keV (n,n') Level  
Cross Section

90-Th-232  
-50.02 To 39.85 %



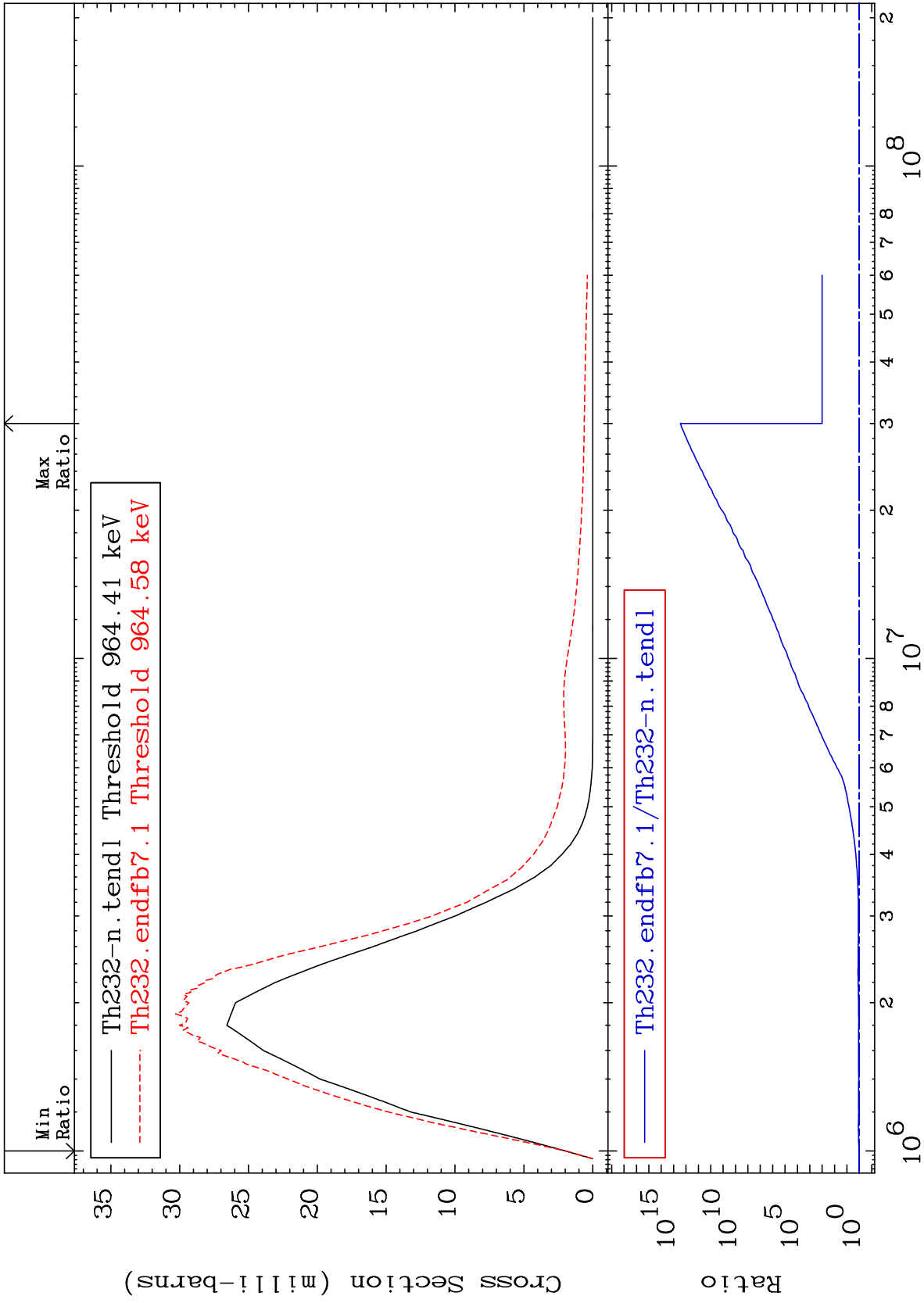
25

90-Th-232

MAT 9040

960.2 keV (n,n') Level  
Cross Section

90-Th-232  
-2.015 To 9999. %



26

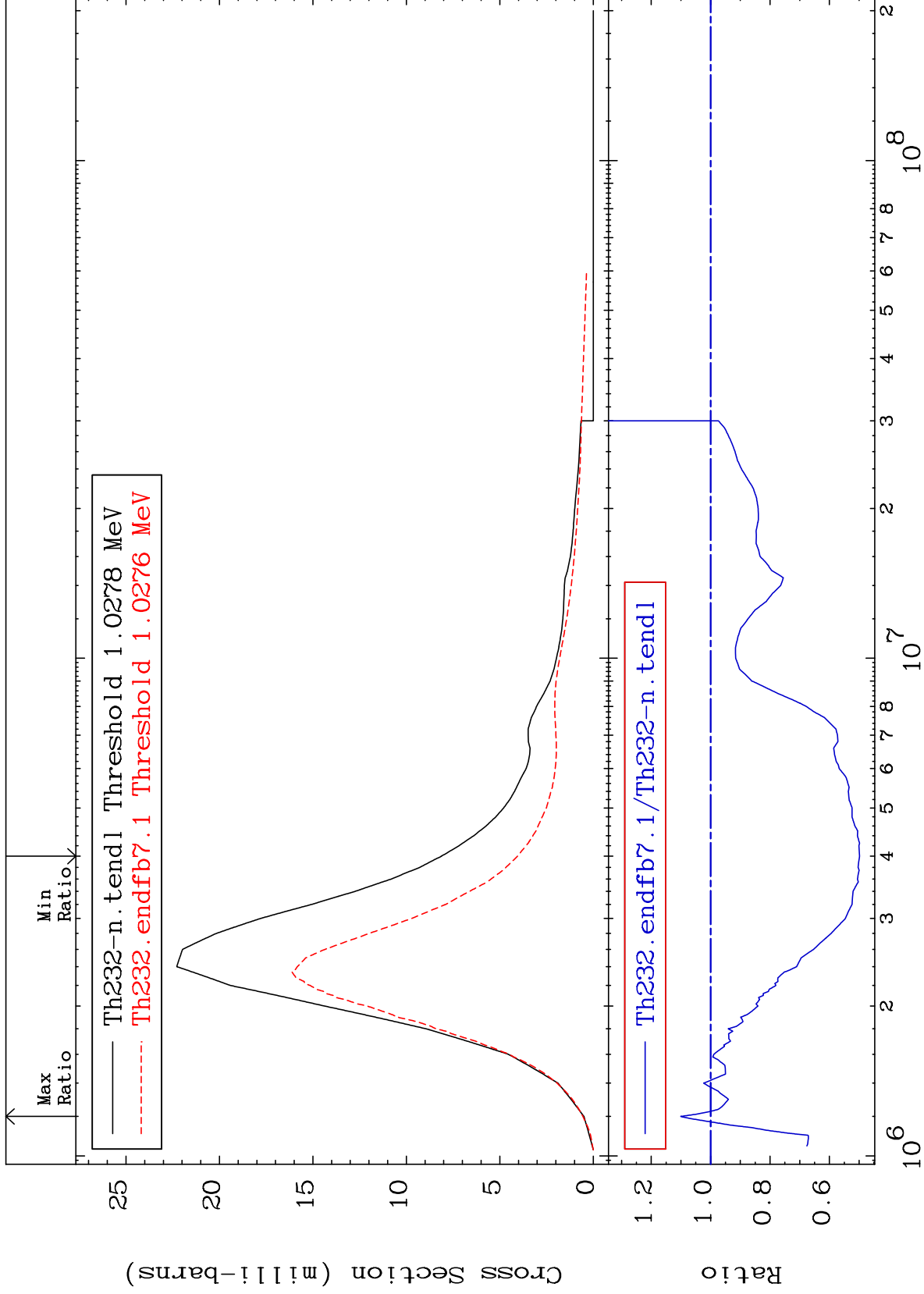
90-Th-232



MAT 9040

1.023 MeV (n,n') Level  
Cross Section

90-Th-232  
-50.15 To 10.05 %



27

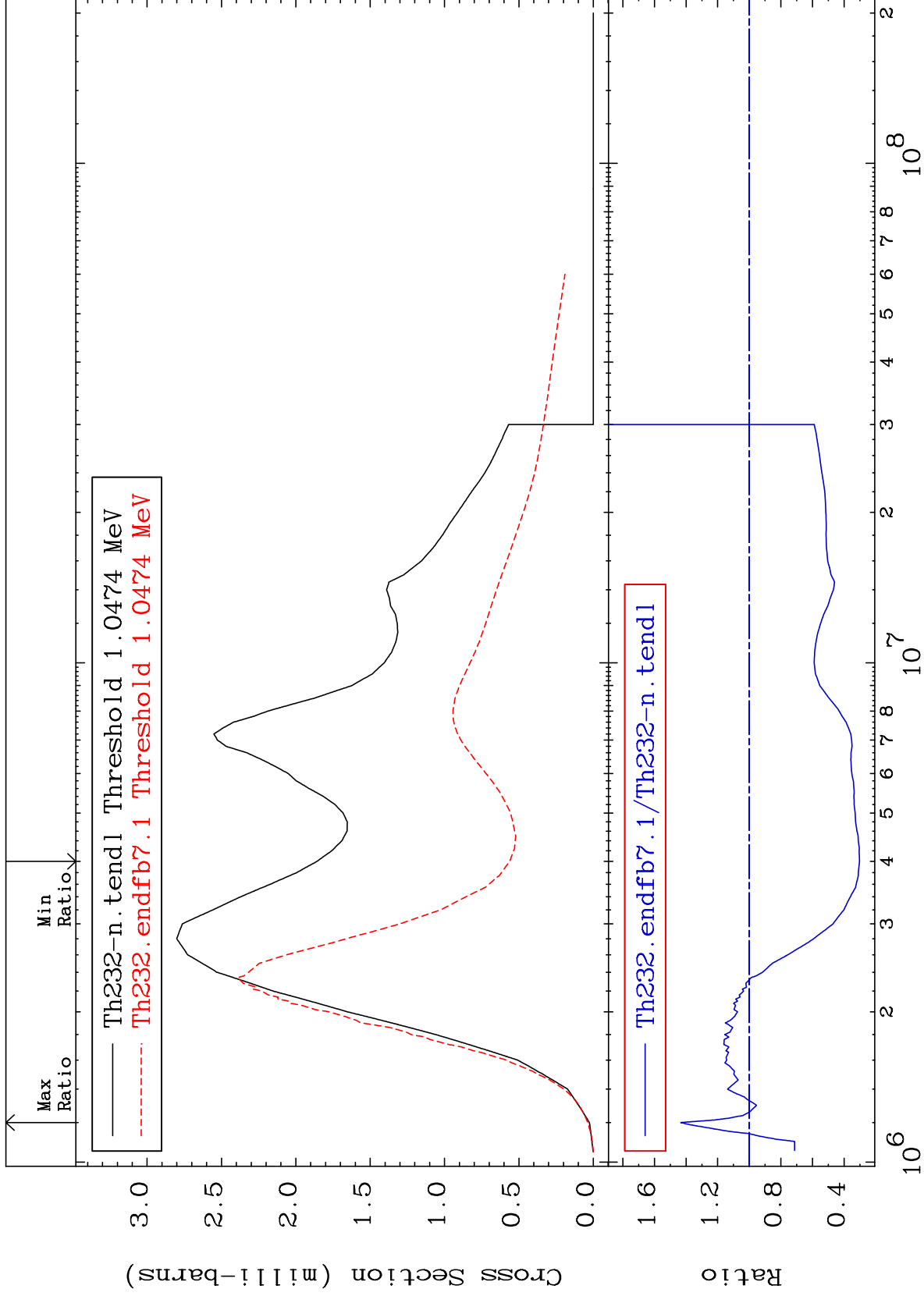
Incident Energy (eV)

90-Th-232

MAT 9040

1.043 MeV (n,n') Level  
Cross Section

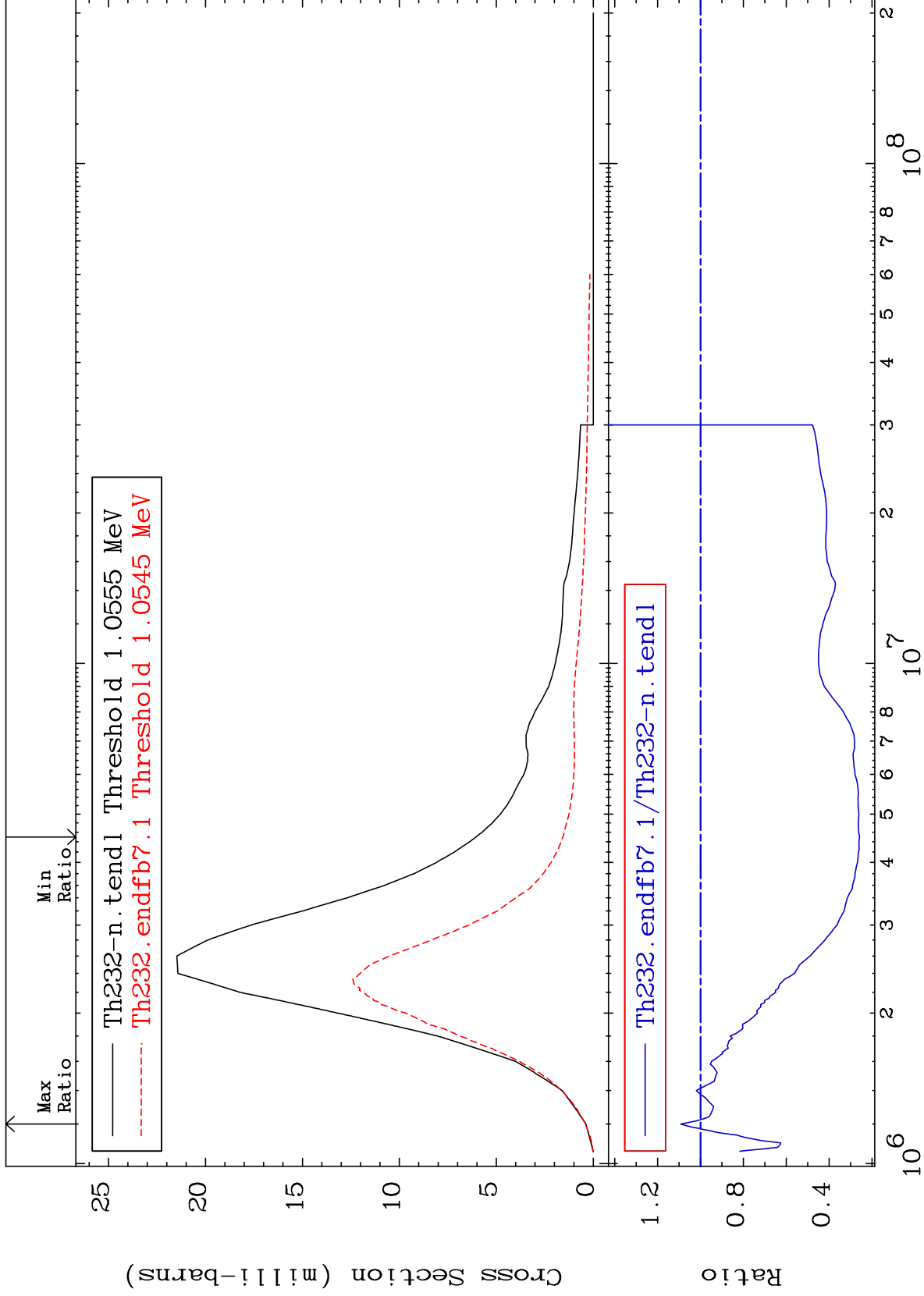
90-Th-232  
-69.76 To 43.34 %



MAT 9040

1.051 MeV (n,n') Level  
Cross Section

90-Th-232  
-74.20 To 9.196 %



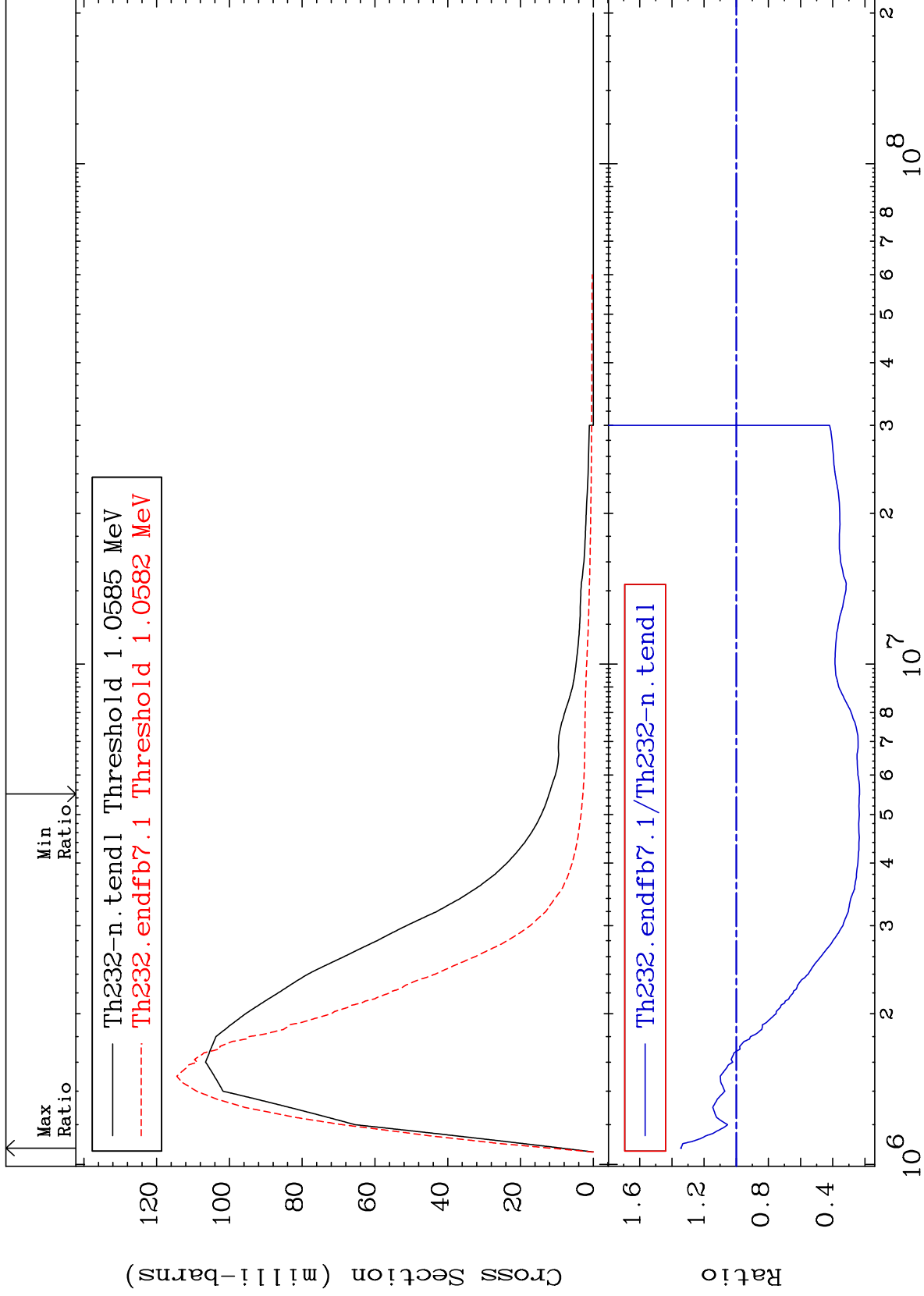
29

90-Th-232

MAT 9040

1.054 MeV (n,n') Level  
Cross Section

90-Th-232  
-76.66 To 34.48 %



Incident Energy (eV)

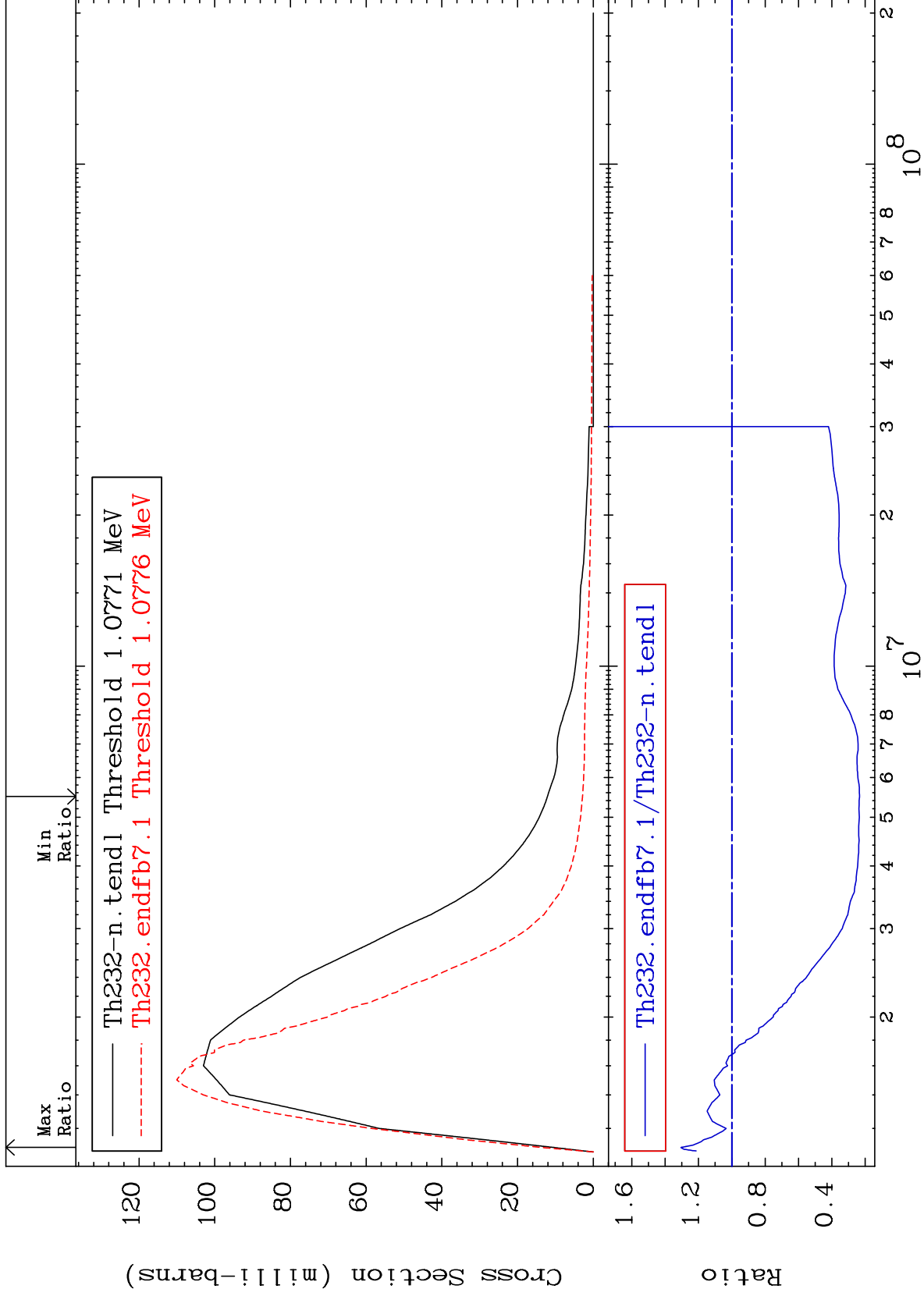
90-Th-232

30

MAT 9040

1.072 MeV (n,n') Level  
Cross Section

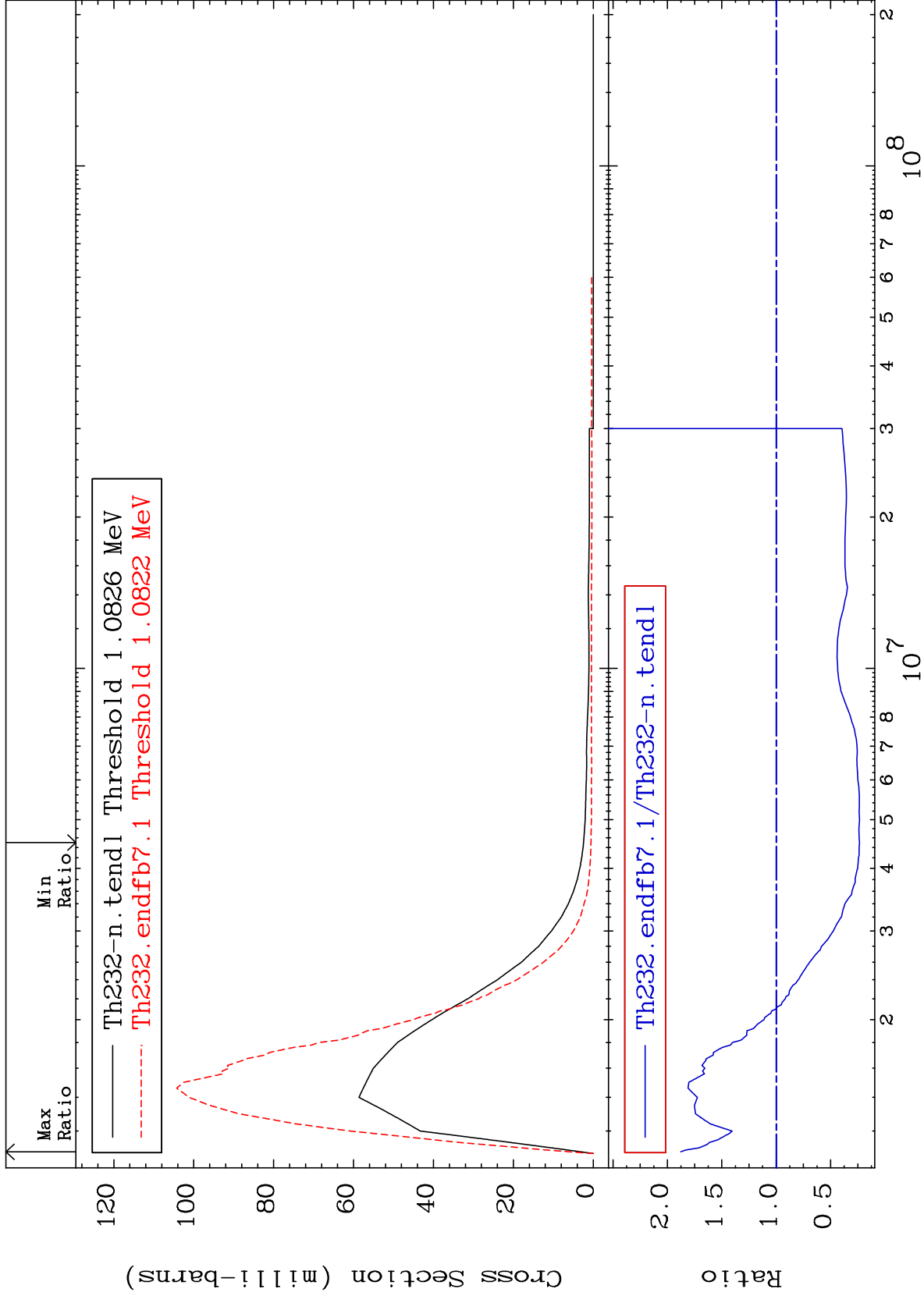
90-Th-232  
-76.64 To 30.64 %



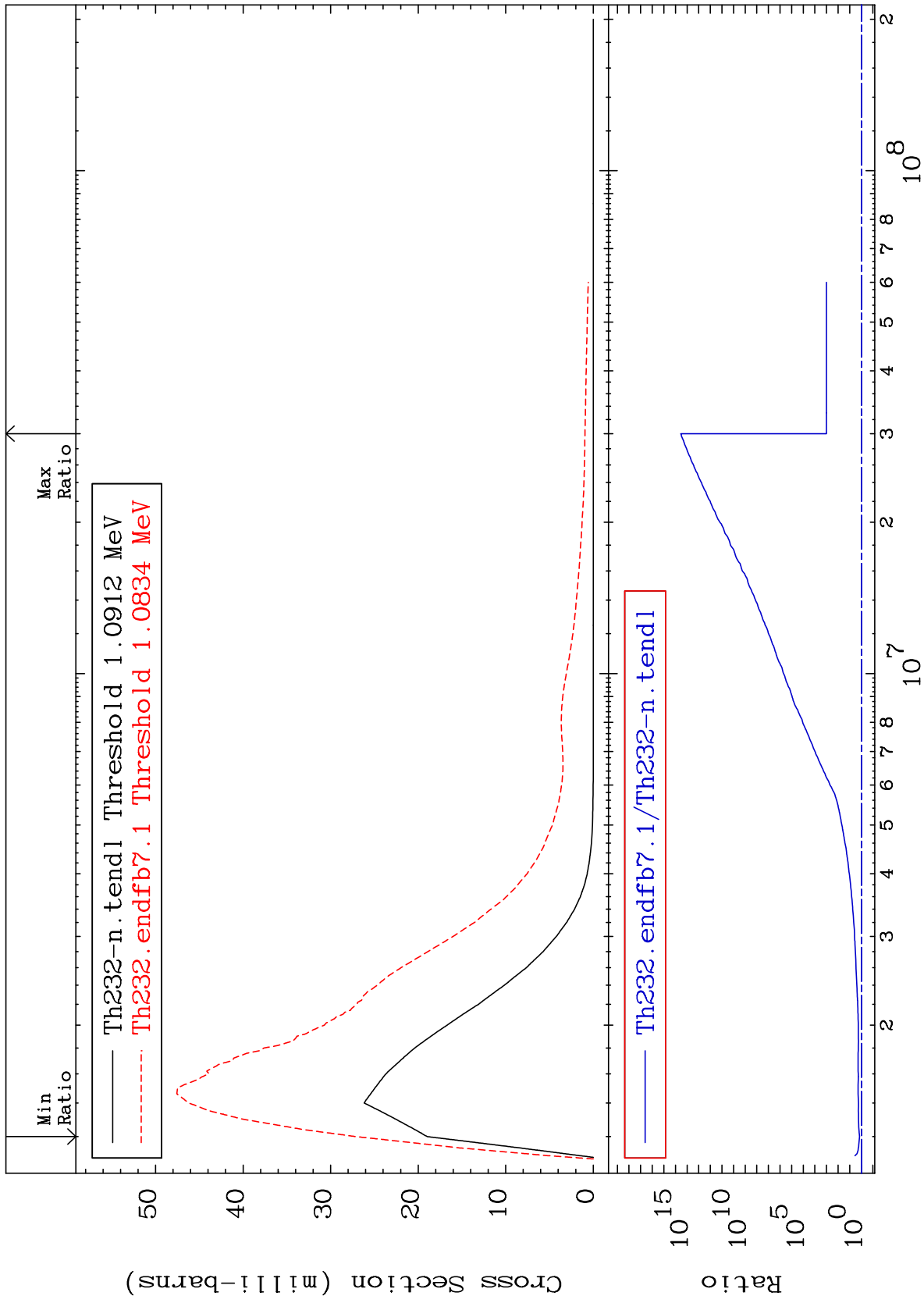
MAT 9040

1.078 MeV (n,n') Level  
Cross Section

90-Th-232  
-76.60 To 87.69 %



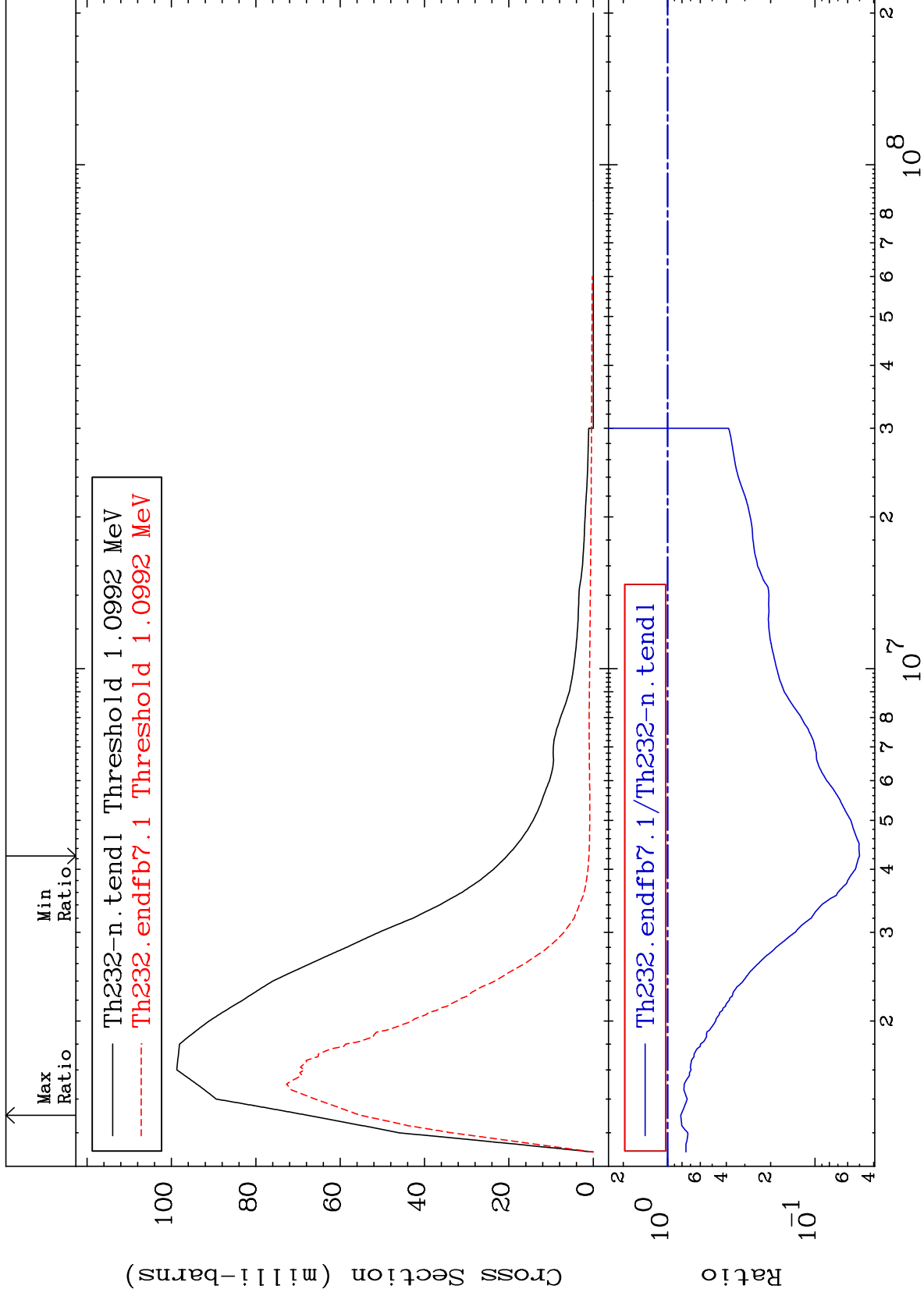
MAT 9040      1.087 MeV (n,n') Level      90-Th-232  
 Cross Section      42.85 To 9999. %



MAT 9040

1.094 MeV (n,n') Level  
Cross Section

90-Th-232  
-95.01 To -18.47%

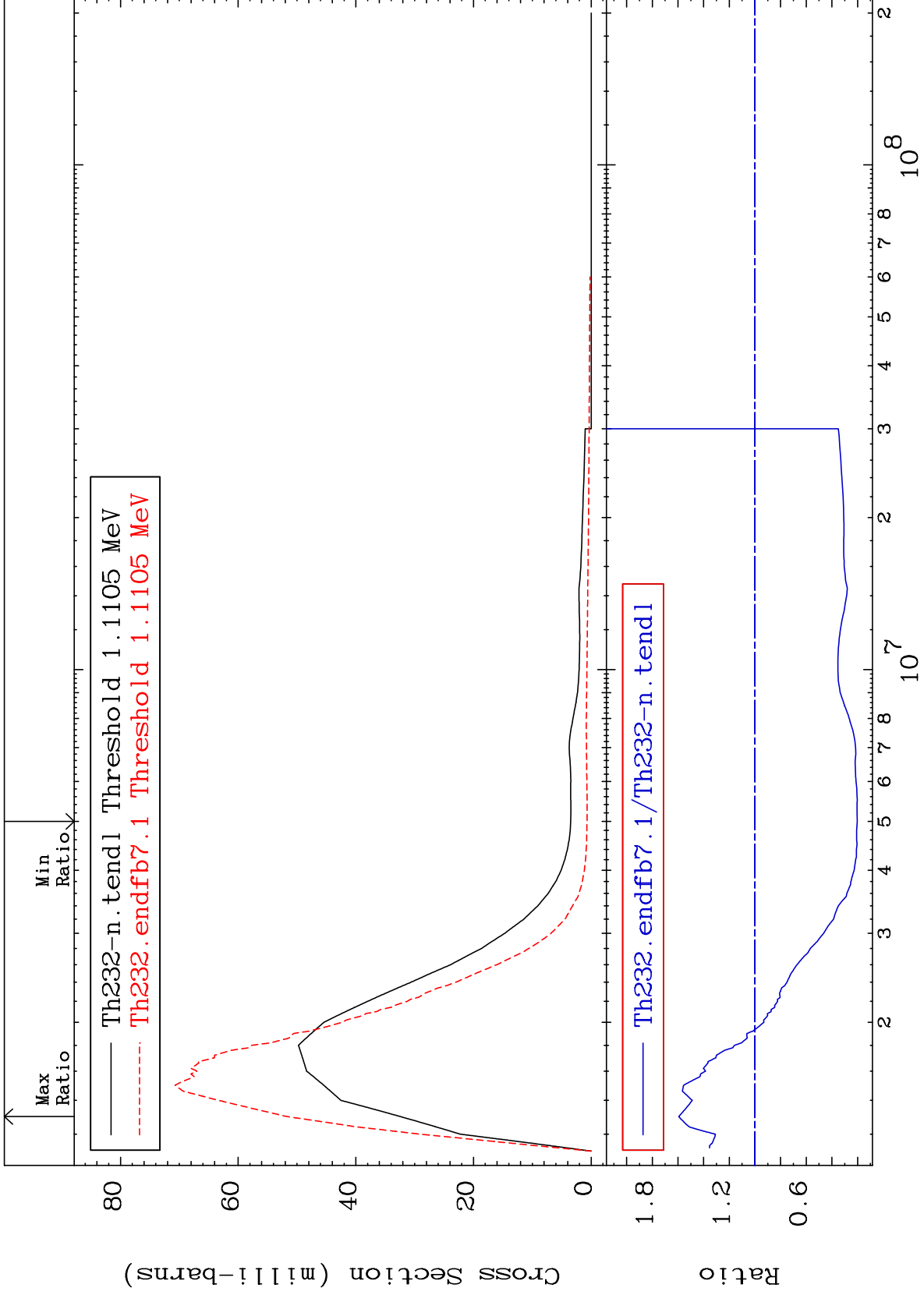




MAT 9040

1.106 MeV (n,n') Level  
Cross Section

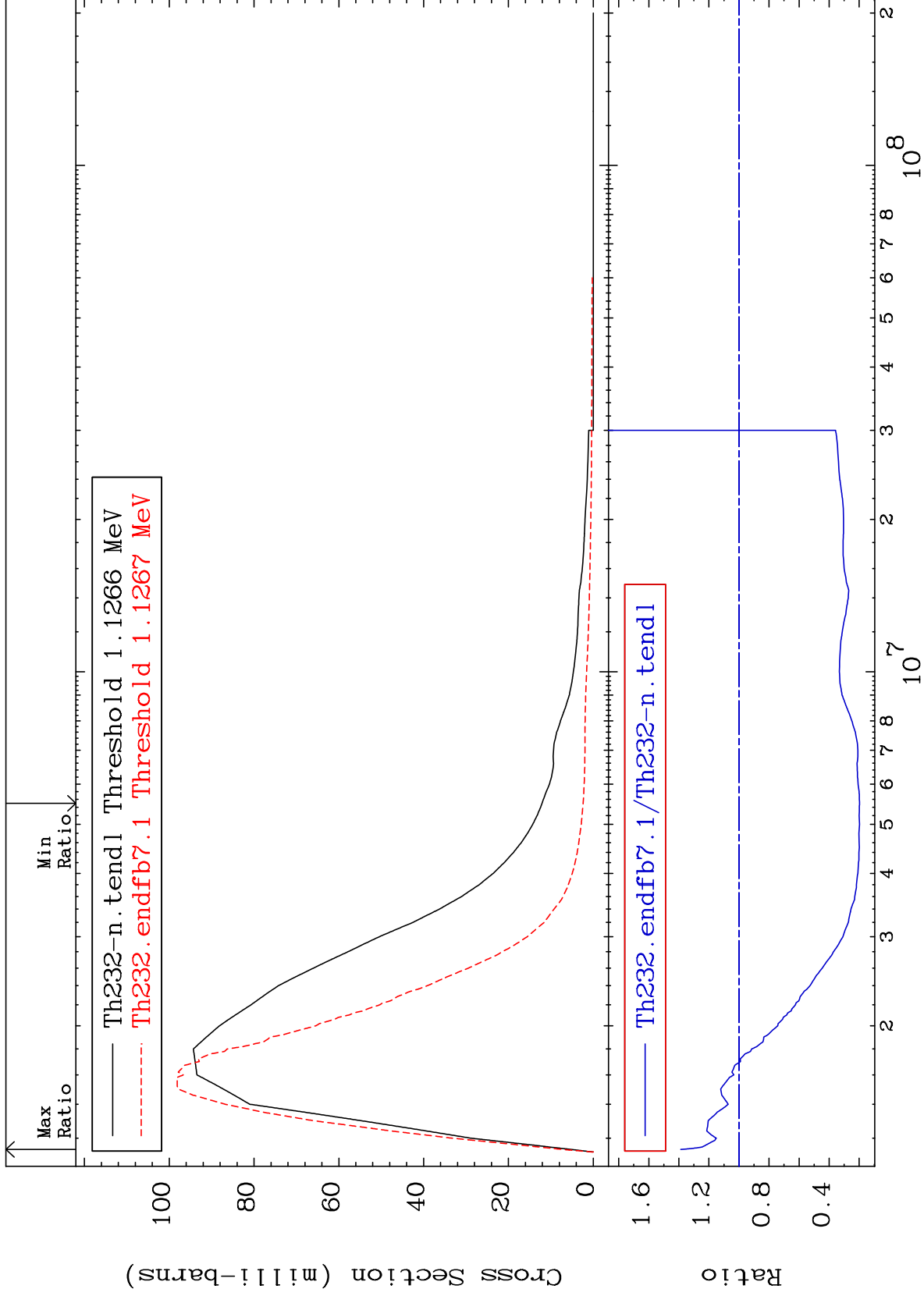
90-Th-232  
-79.76 To 59.49 %



MAT 9040

1.122 MeV (n,n') Level  
Cross Section

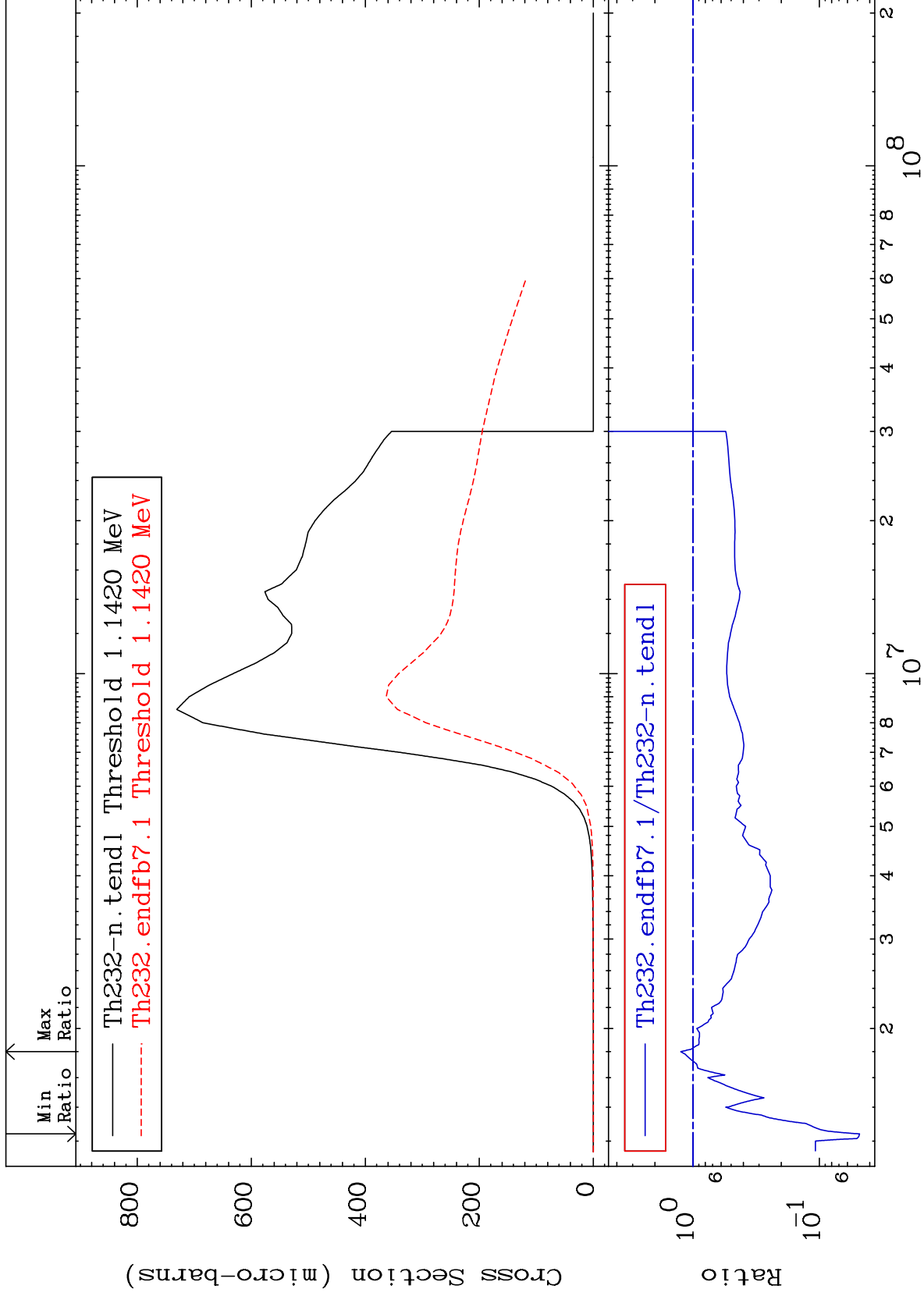
90-Th-232  
-80.23 To 38.71 %



MAT 9040

1.137 MeV (n,n') Level  
Cross Section

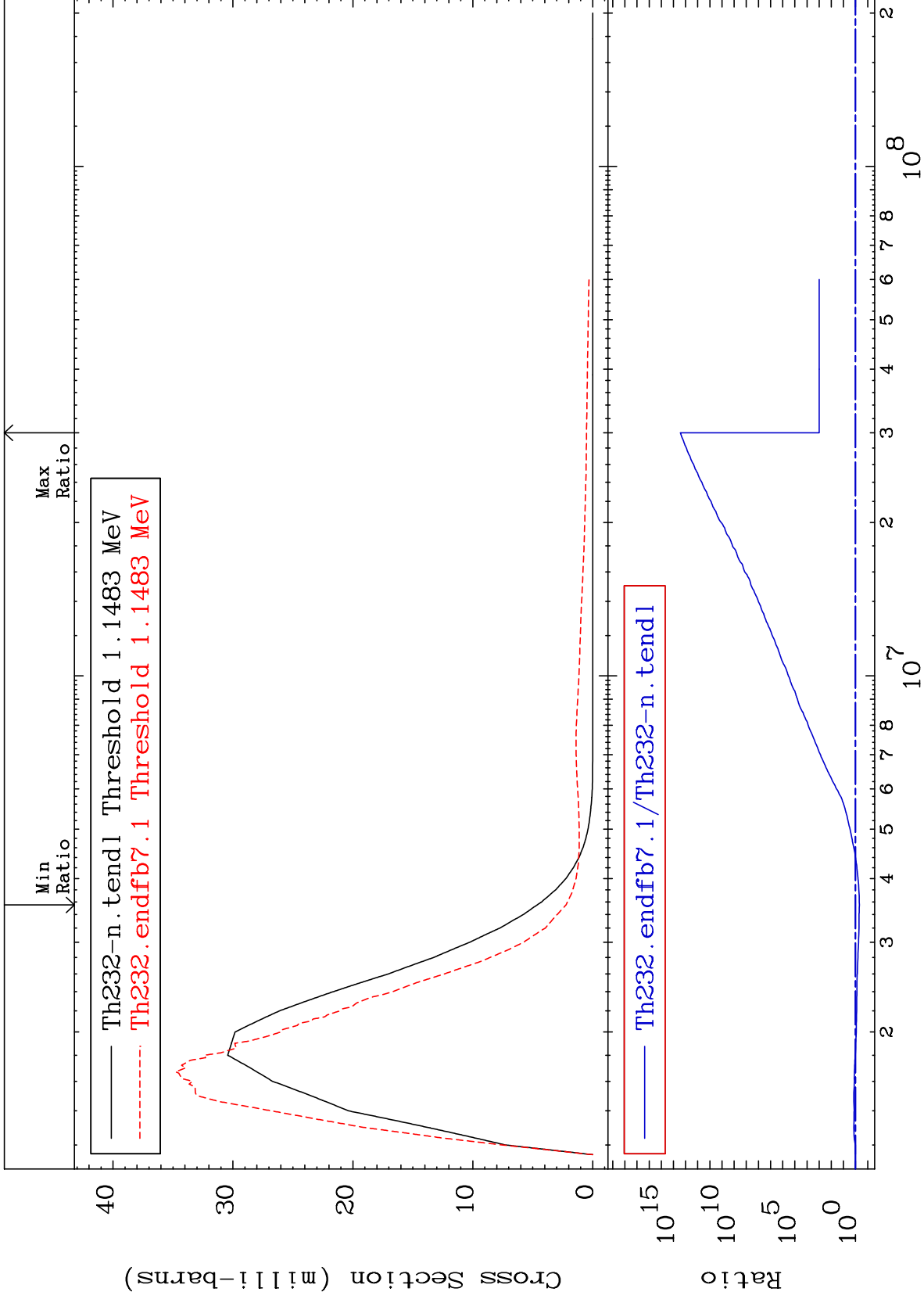
90-Th-232  
-95.19 To 24.97 %



MAT 9040

1.143 MeV (n,n') Level  
Cross Section

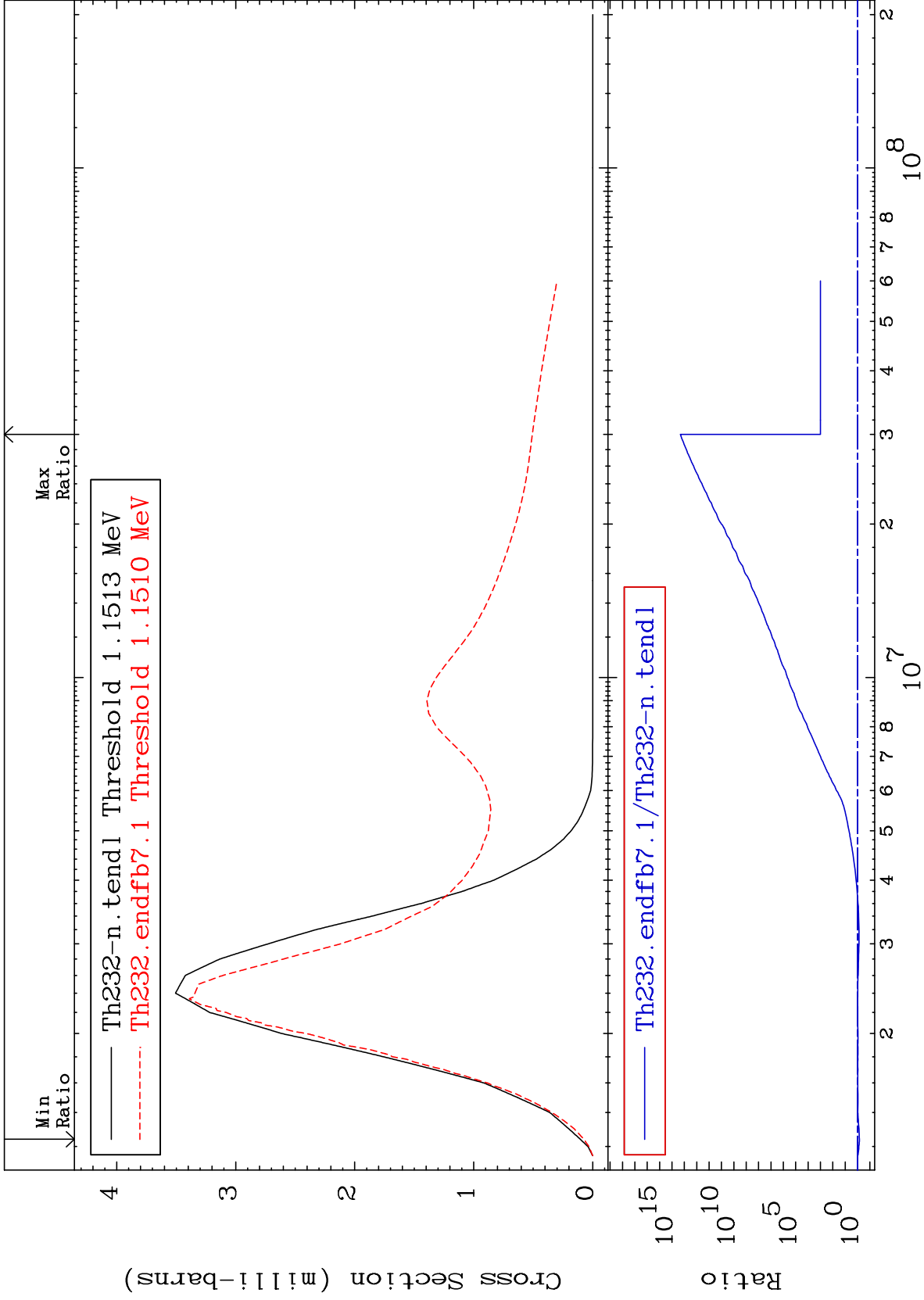
90-Th-232  
-52.01 To 9999. %



MAT 9040

1.146 MeV (n,n') Level  
Cross Section

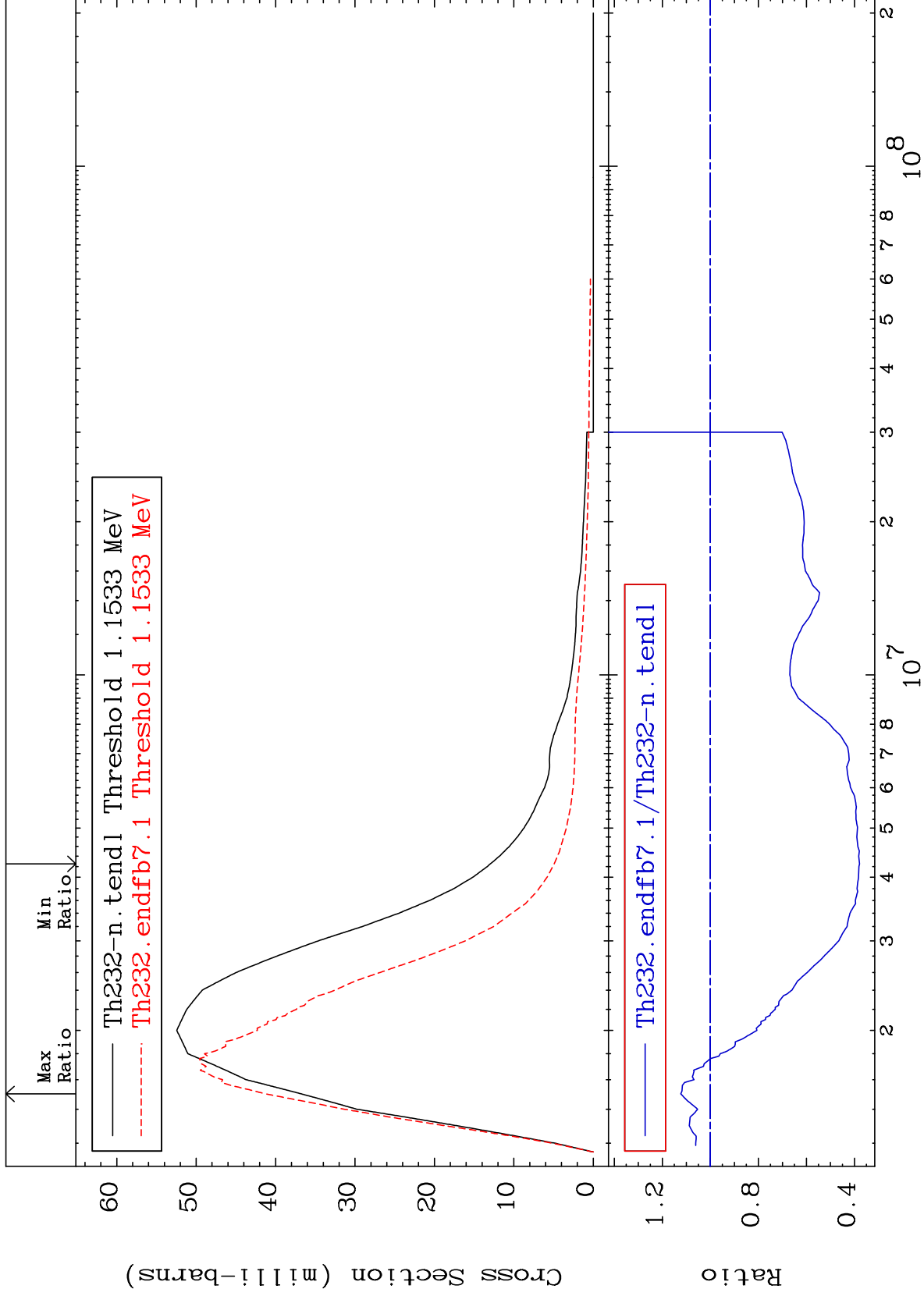
90-Th-232  
-29.32 To 9999. %



MAT 9040

1.148 MeV (n,n') Level  
Cross Section

90-Th-232  
-62.11 To 12.32 %



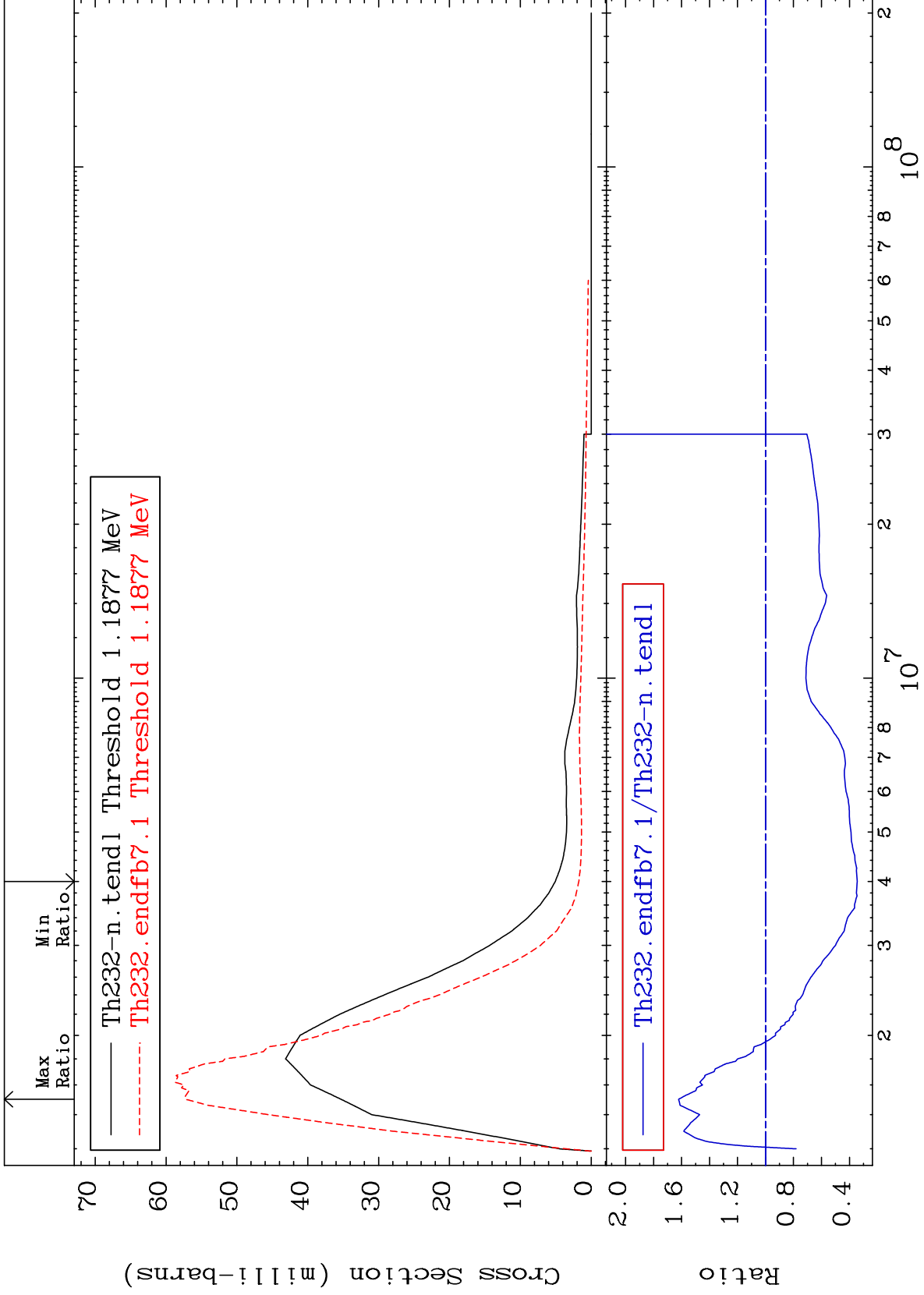
40

90-Th-232

MAT 9040

1.183 MeV (n,n') Level  
Cross Section

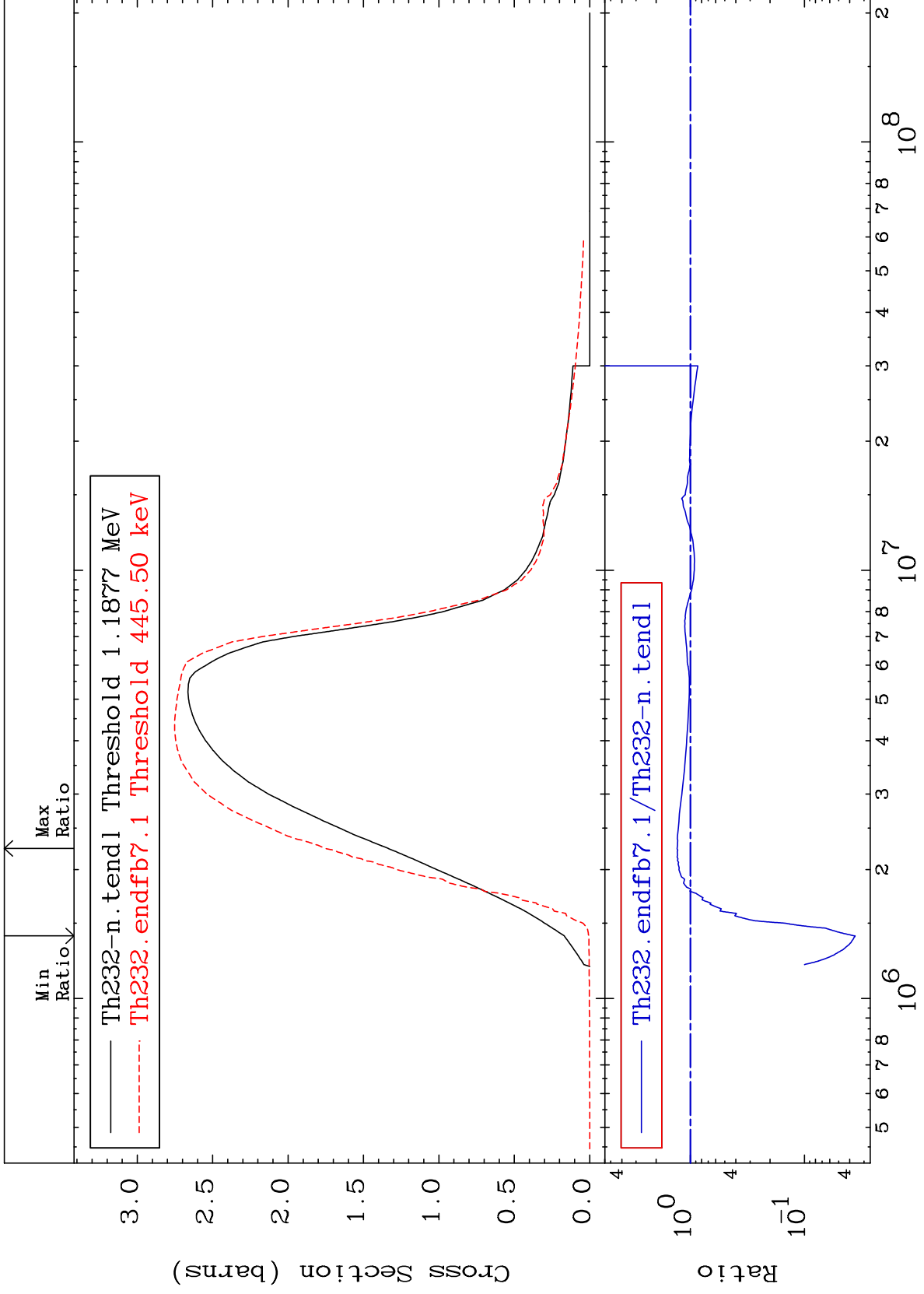
90-Th-232  
-65.57 To 62.10 %



MAT 9040

(n, n') Continuum  
Cross Section

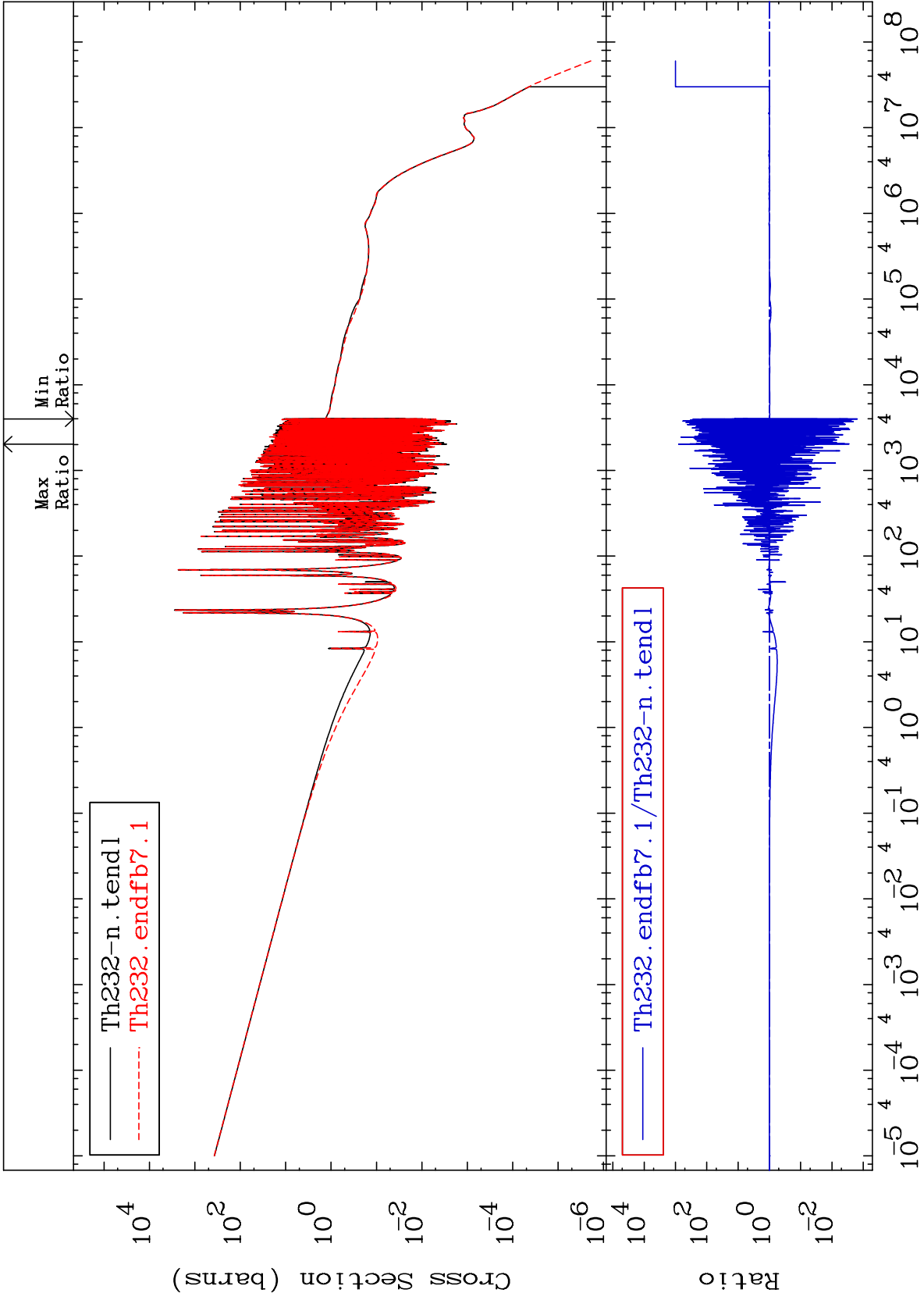
90-Th-232  
-96.41 To 31.41 %





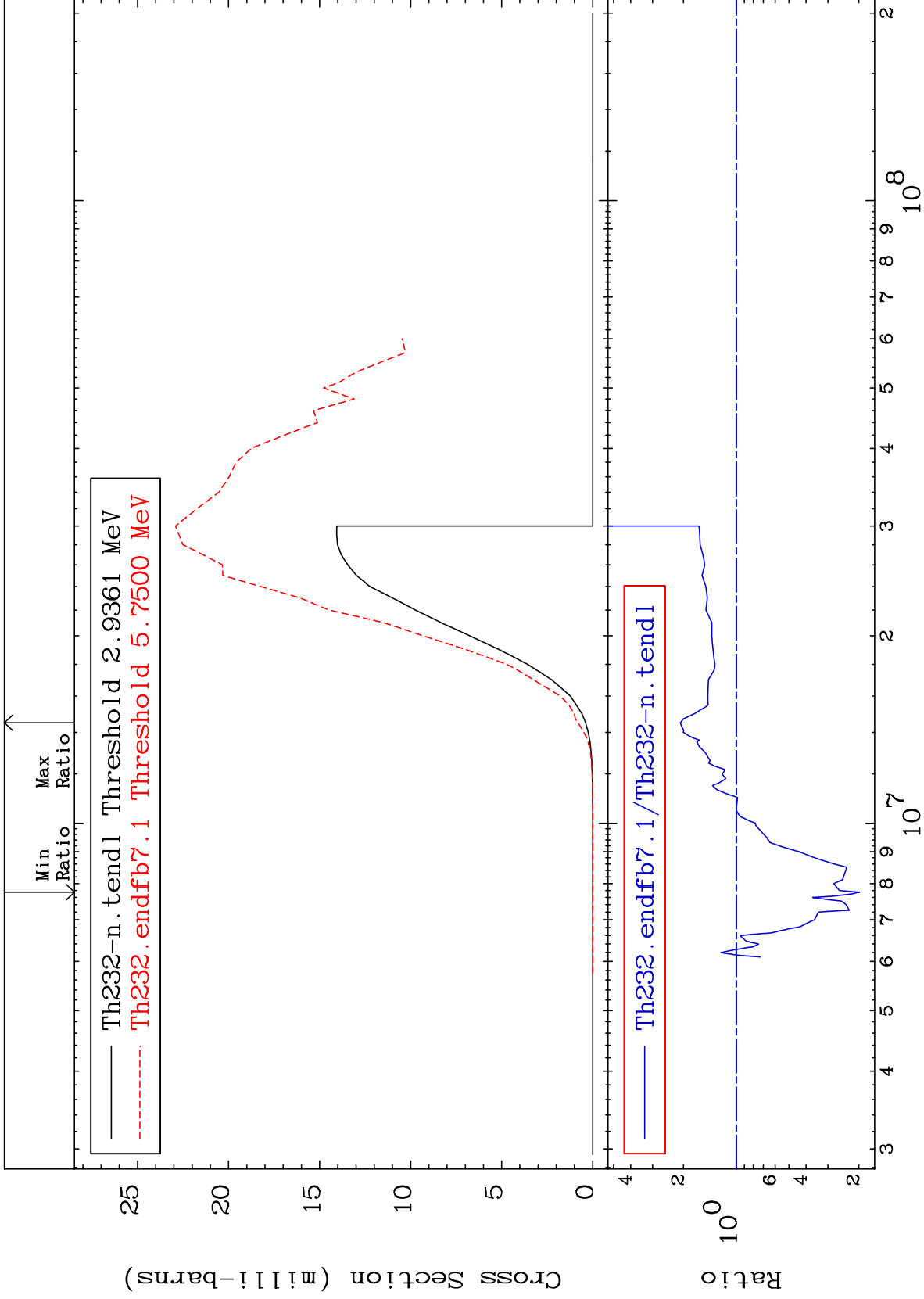
MAT 9040

(n,  $\gamma$ )  
Cross Section  
90-Th-232  
-99.84 To 9999. %



MAT 9040

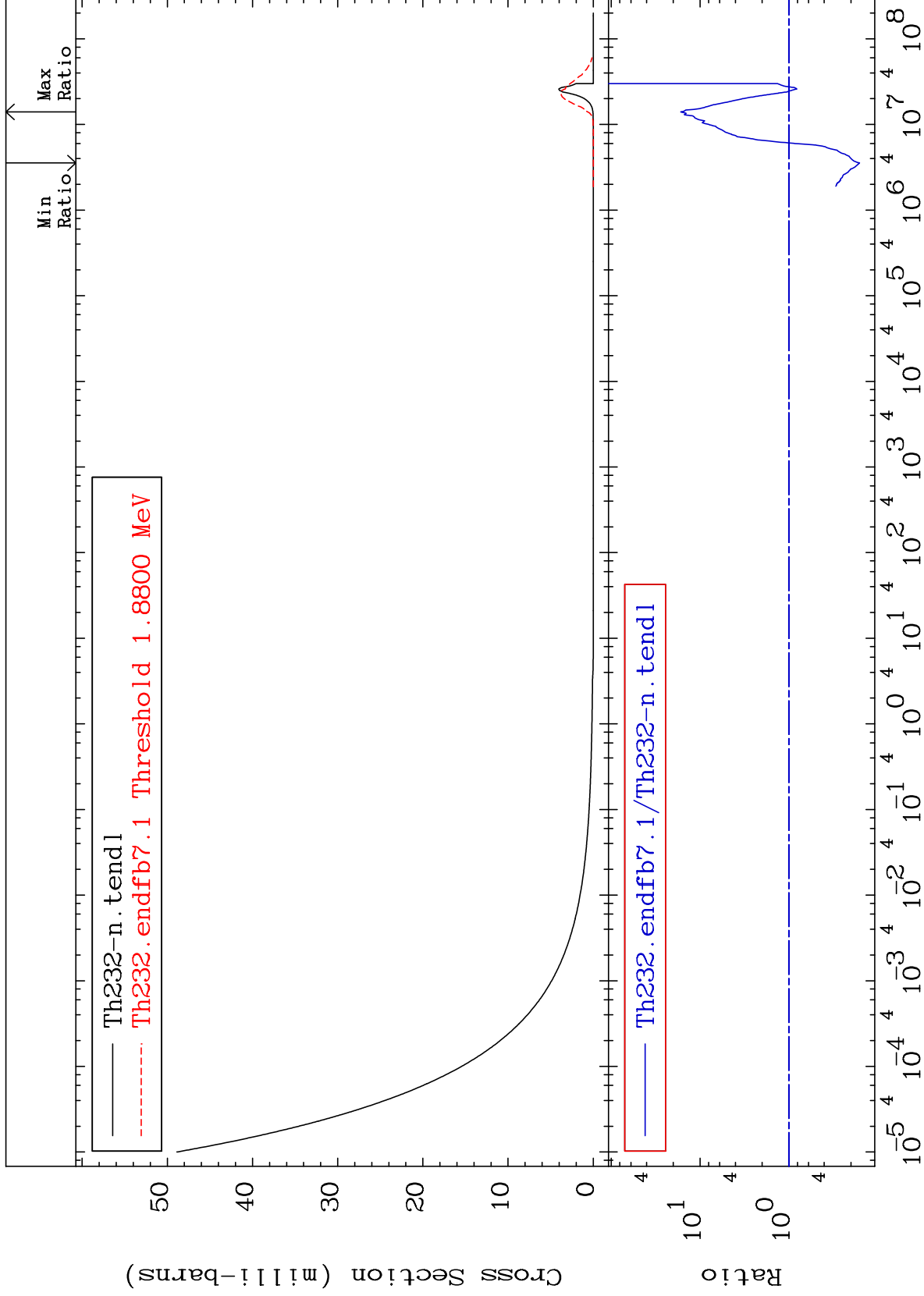
(n, p)  
Cross Section  
90-Th-232  
-80.18 To 108.2 %



MAT 9040

(n,  $\alpha$ )  
Cross Section

90-Th-232  
-83.98 To 1547. %



45

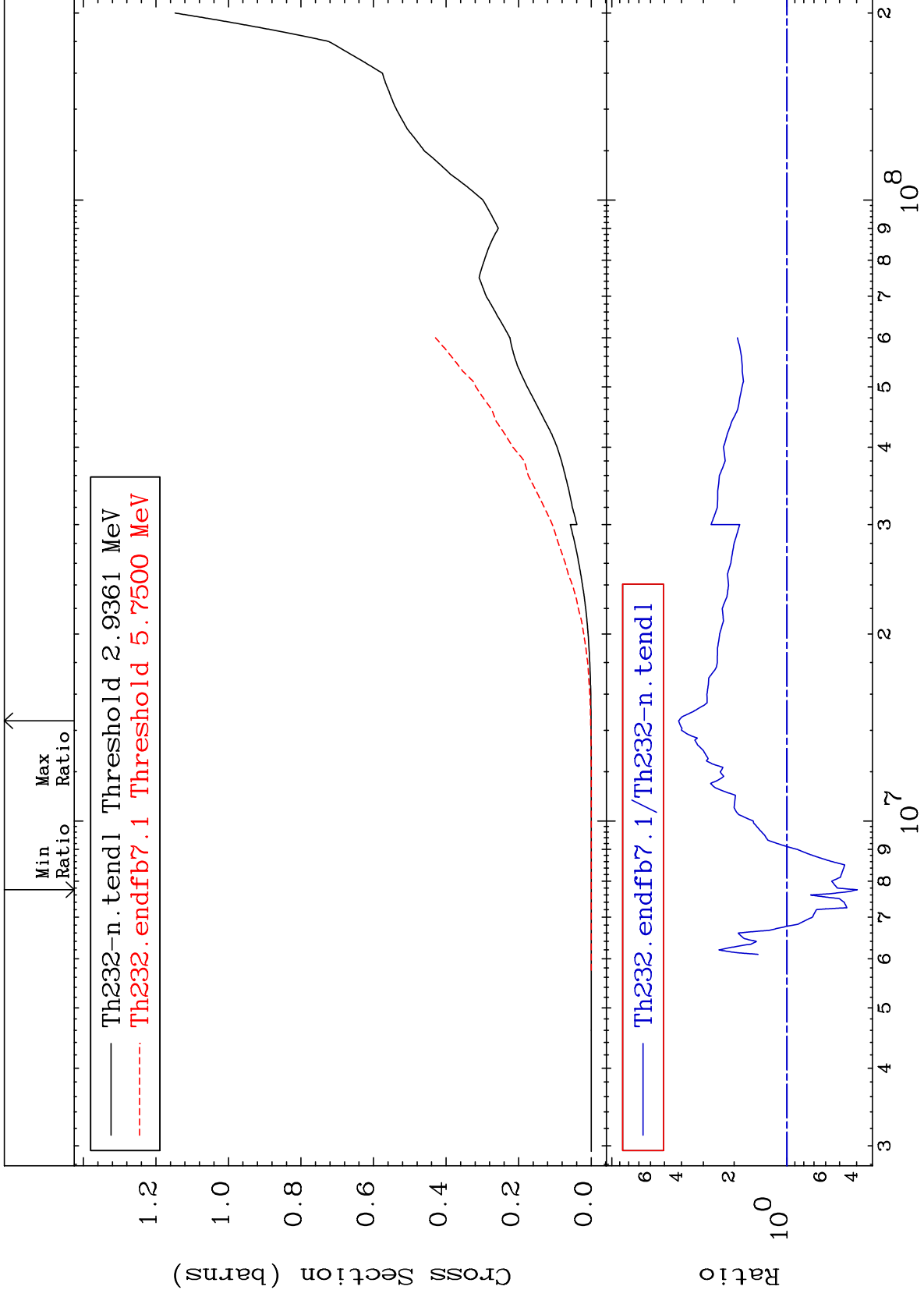
Incident Energy (eV)

90-Th-232

MAT 9040

Hydrogen Production  
Cross Section

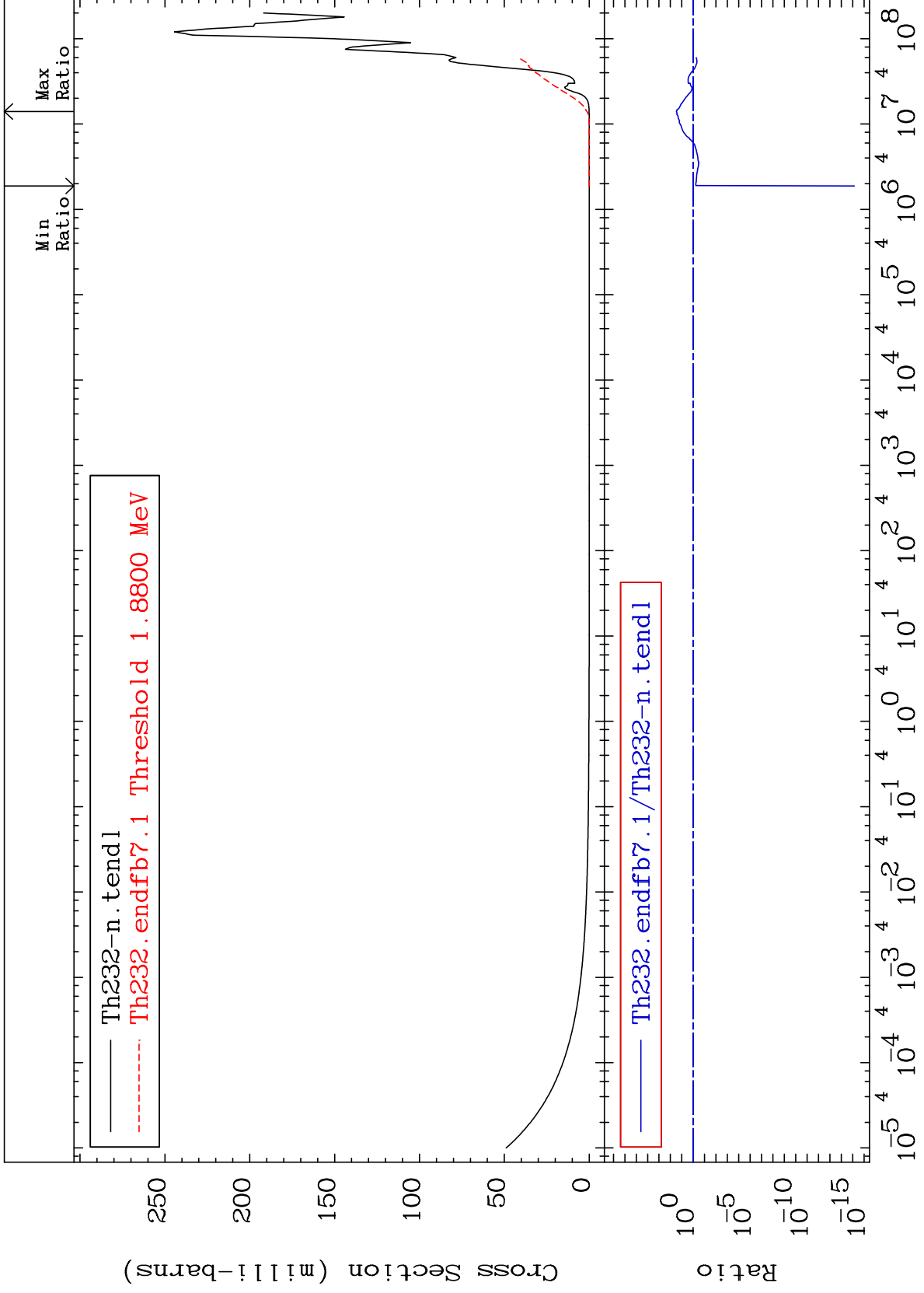
90-Th-232  
-60.36 To 315.0 %



MAT 9040

He-4 Production  
Cross Section

90-Th-232  
-100.0 To 2893. %



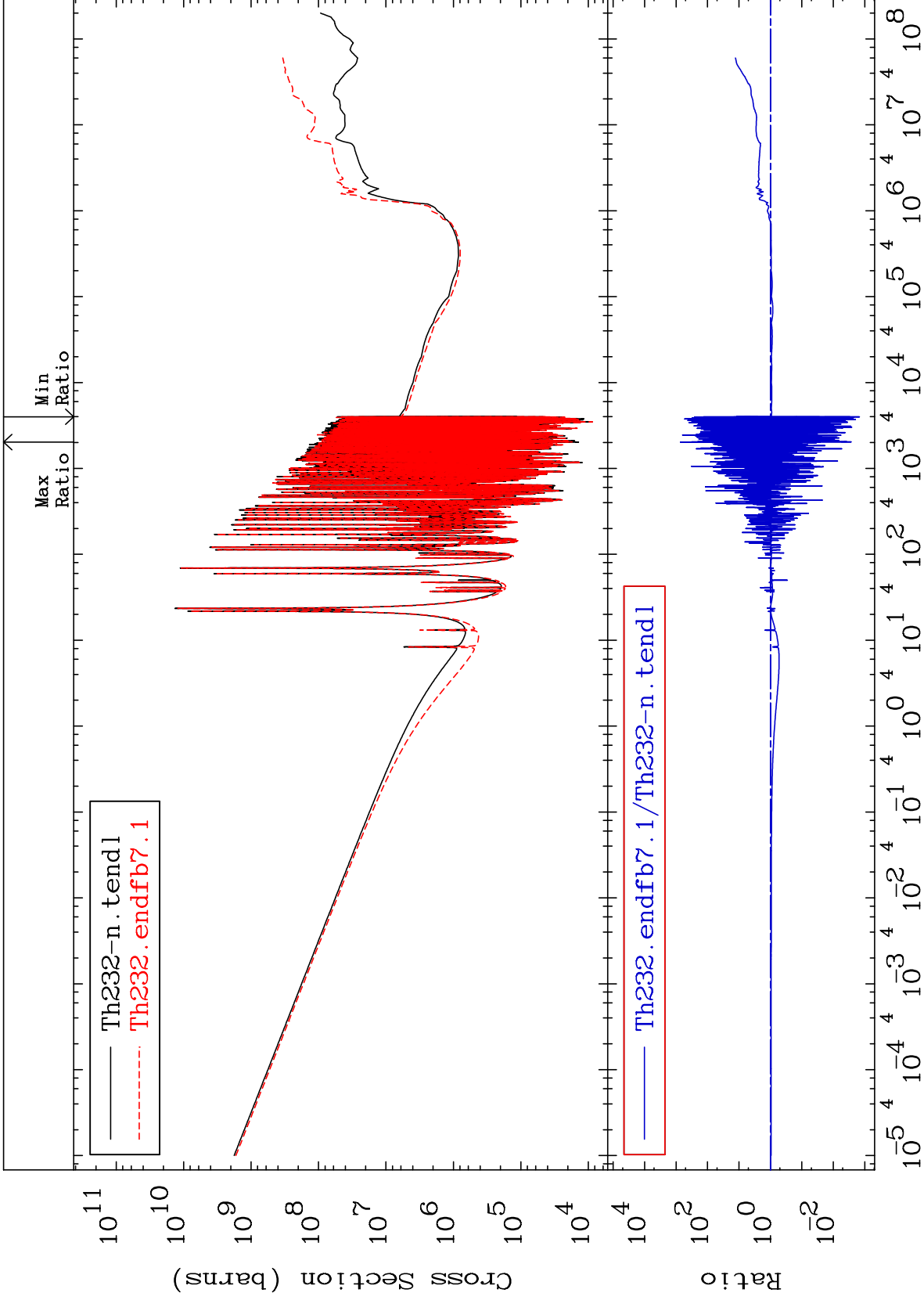
MAT 9040

Kerma total (eV-barns)

90-Th-232

Cross Section

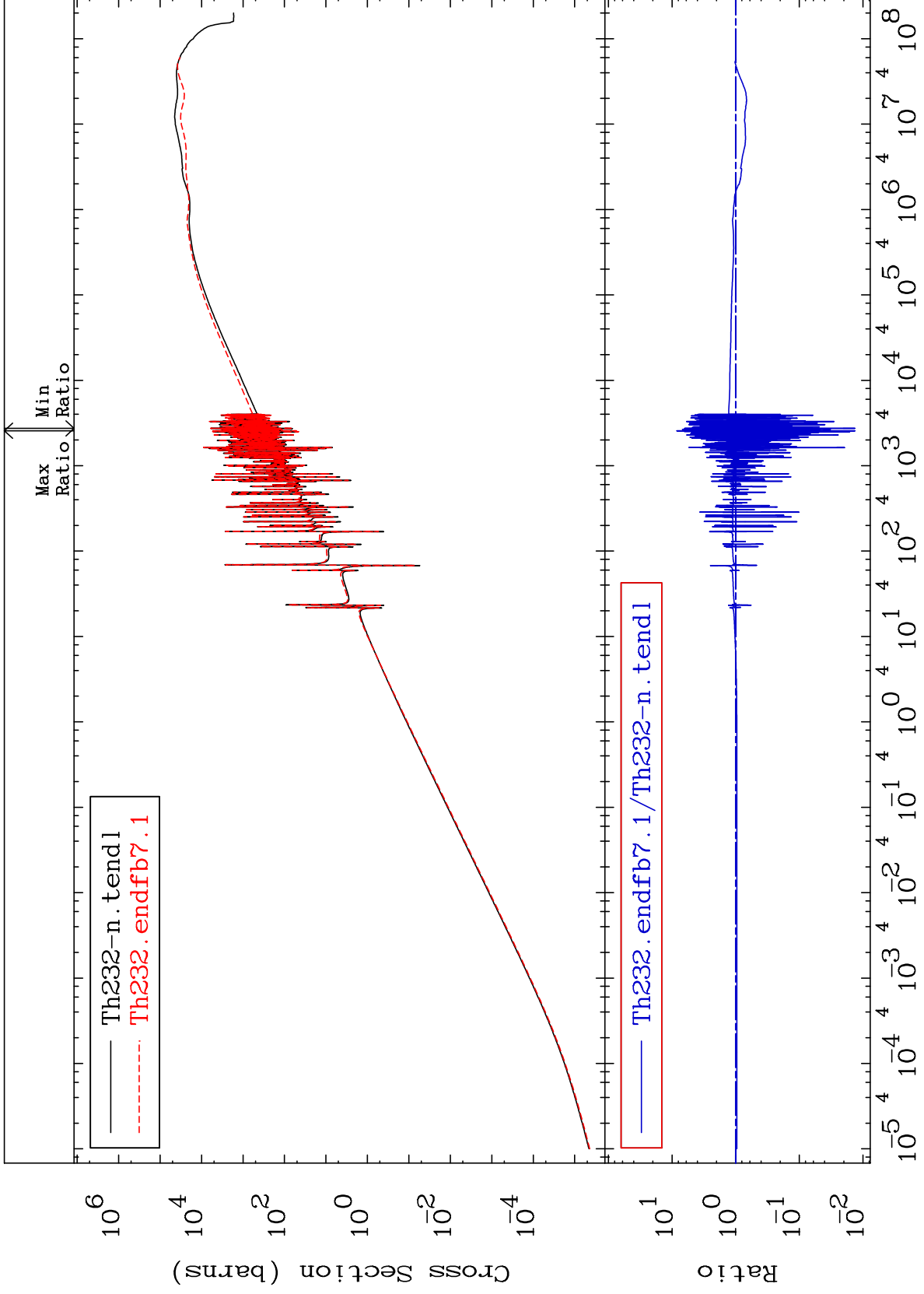
-99.85 To 9999. %



MAT 9040

Kerma elastic  
Cross Section

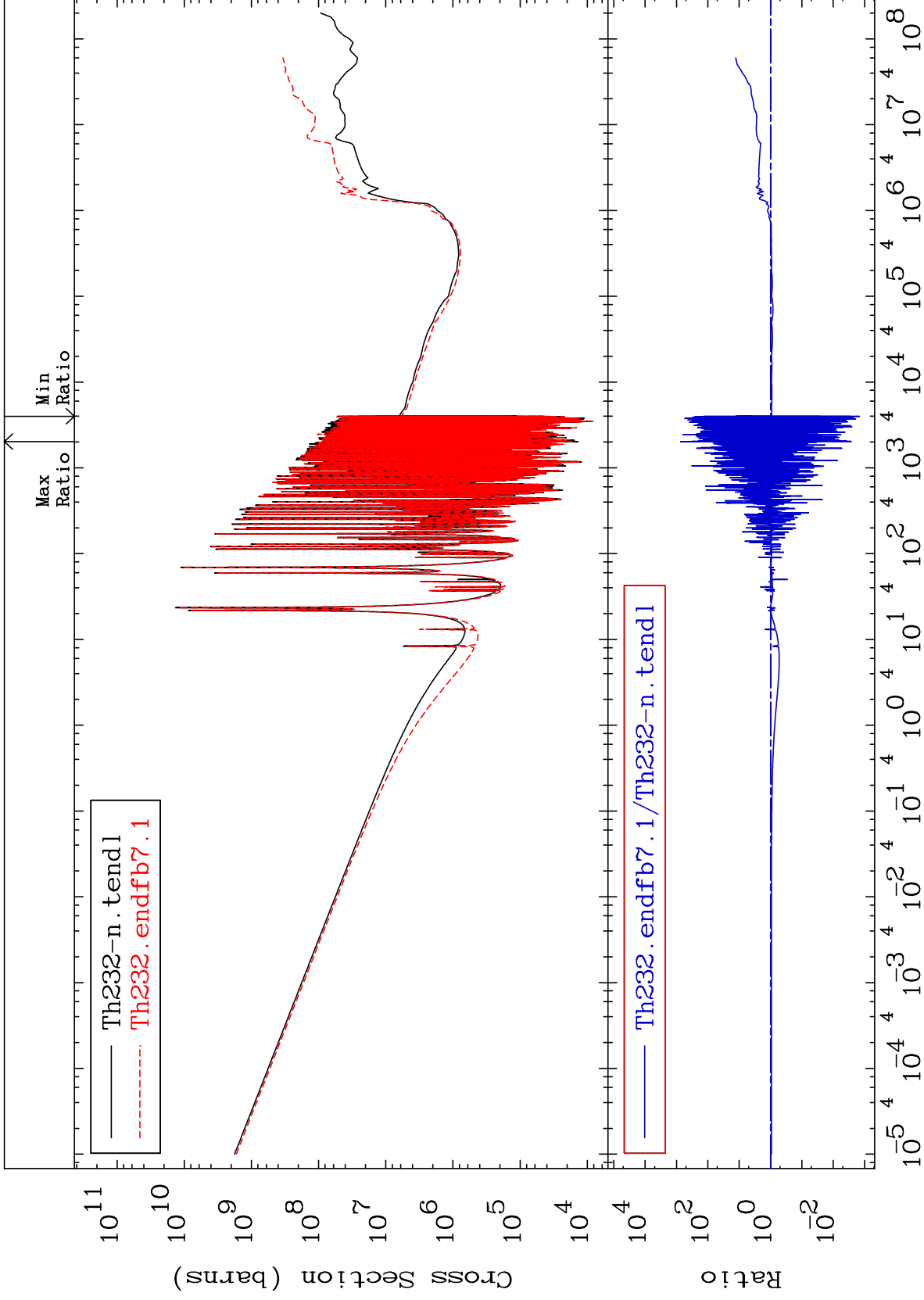
90-Th-232  
-98.67 To 738.7 %



MAT 9040

Kerma non-elastic (all but mt2)  
Cross Section

90-Th-232  
-99.85 To 9999. %



50

Incident Energy (eV)

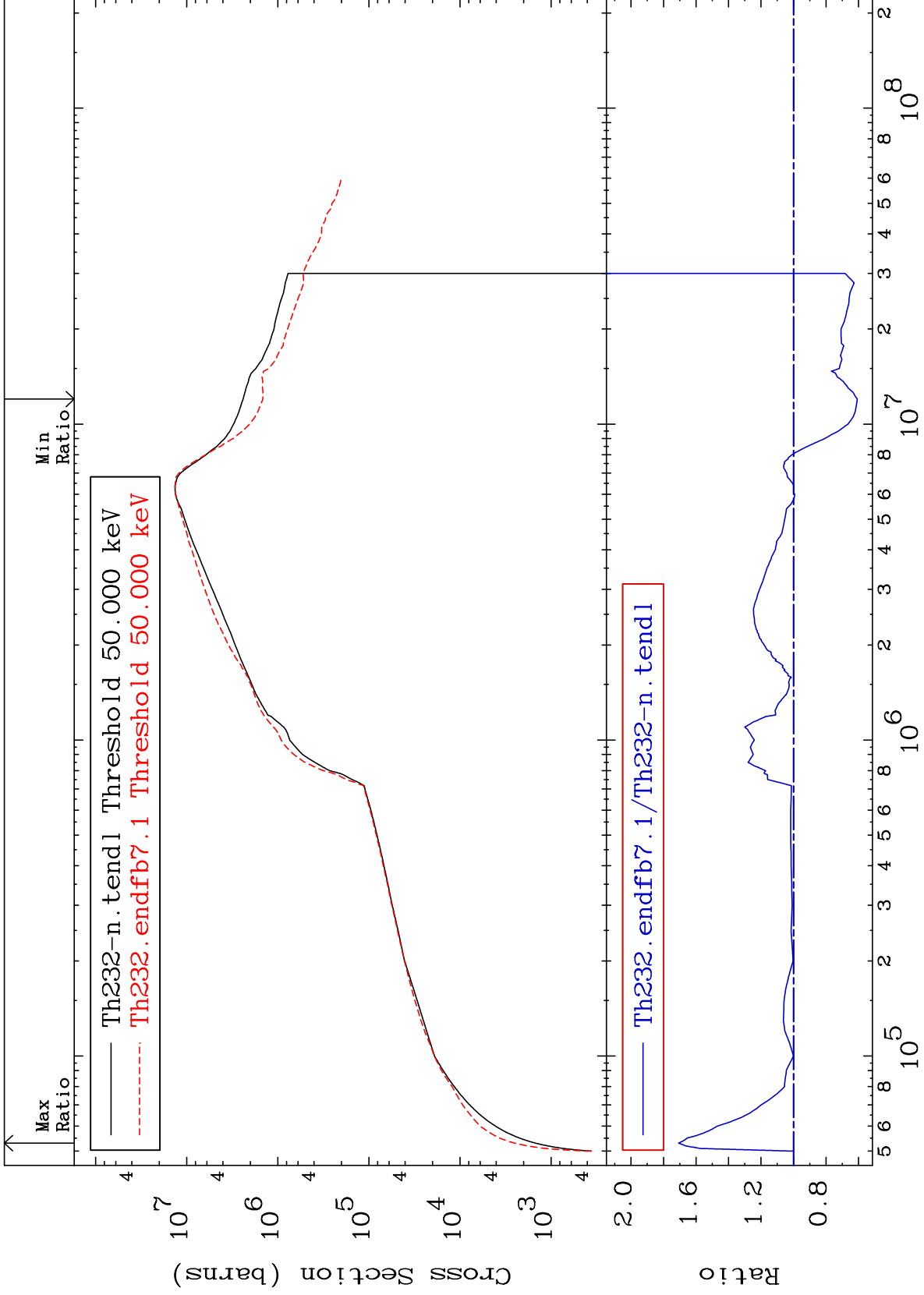
90-Th-232



MAT 9040

Kerma inelastic (mt51-91)  
Cross Section

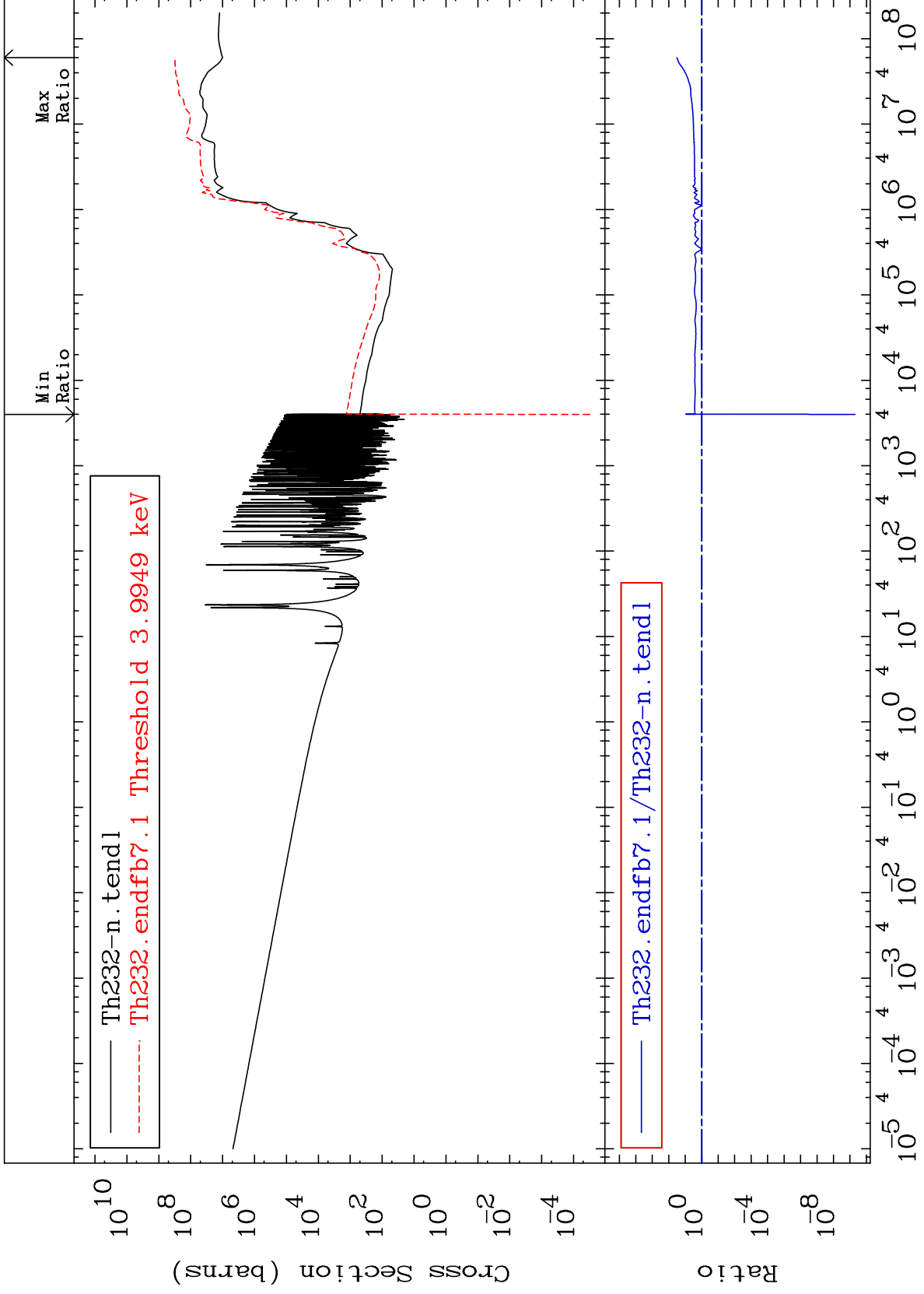
90-Th-232  
-39.23 To 70.70 %



MAT 9040

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

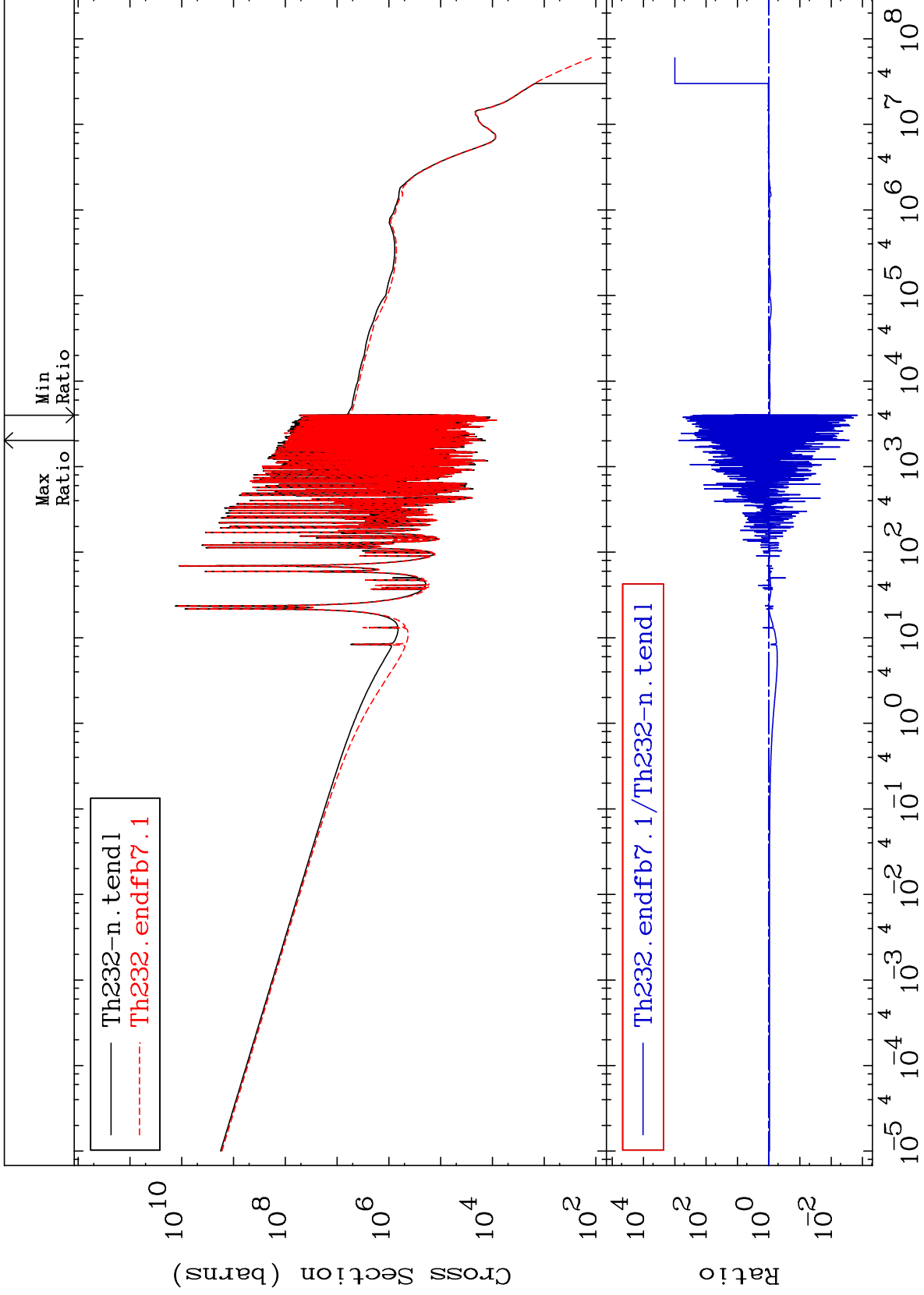
90-Th-232  
-100.0 To 3088. %



MAT 9040

Kerma capture (mt102)  
Cross Section

90-Th-232  
-99.85 To 9999. %

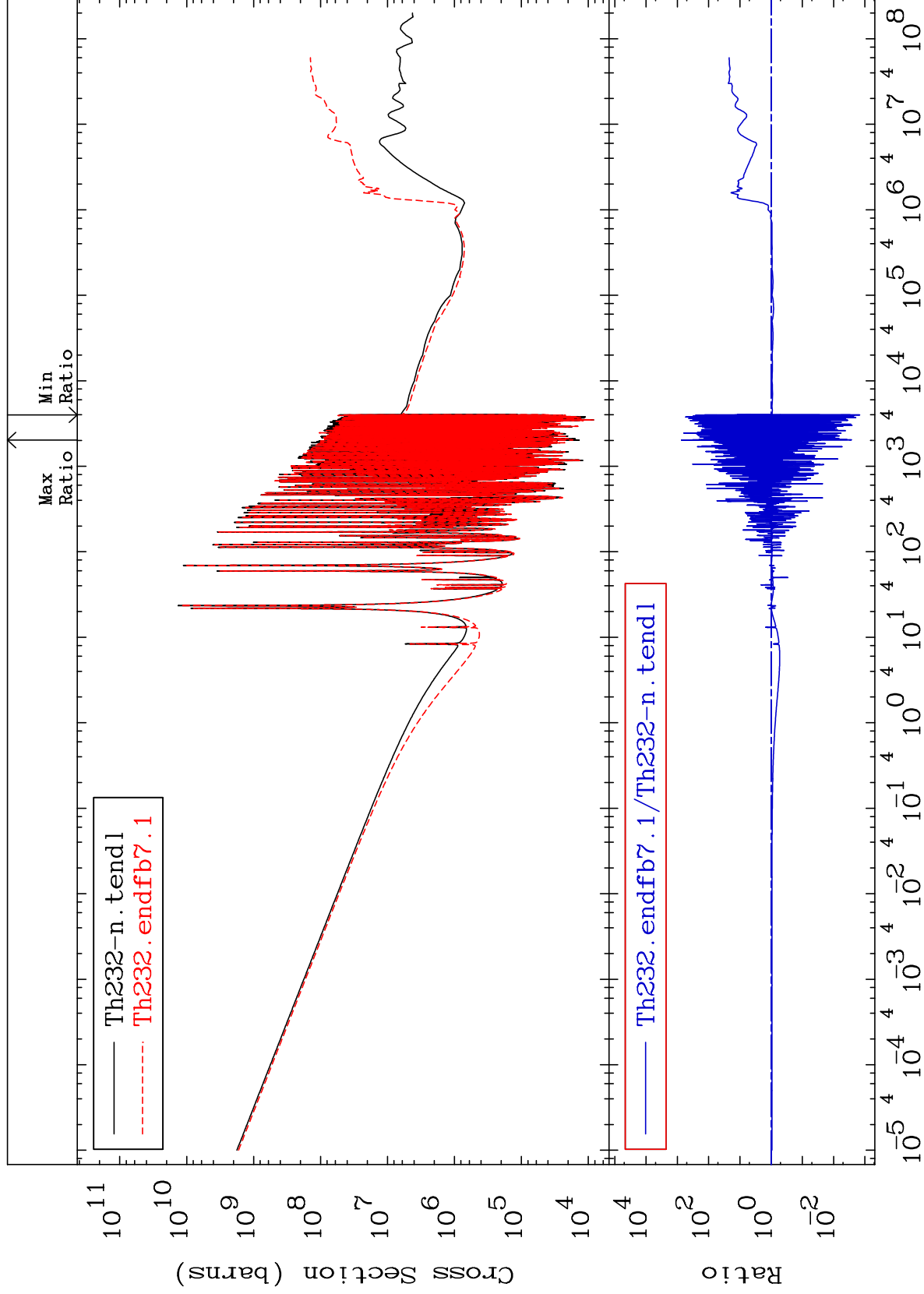


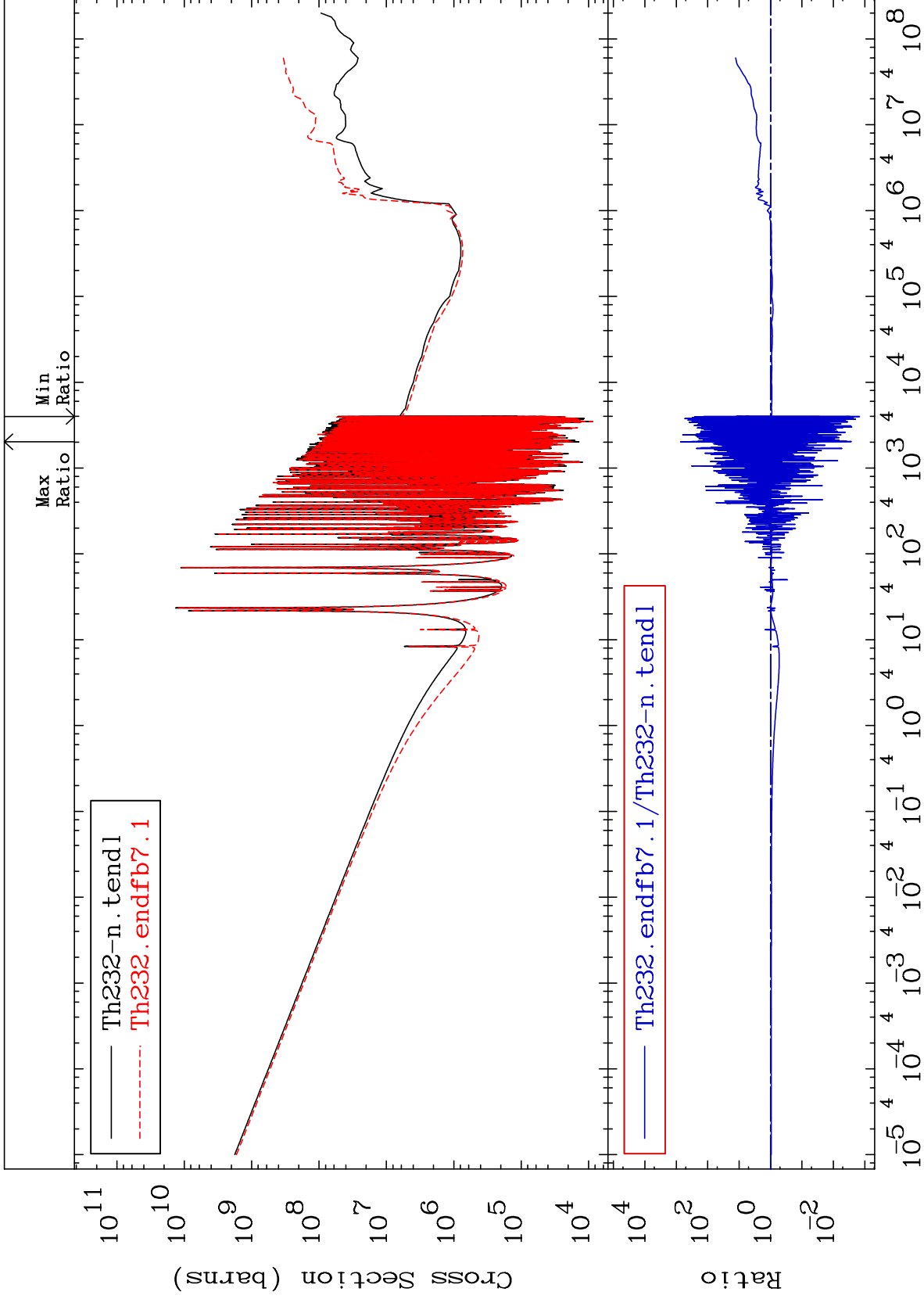
MAT 9040

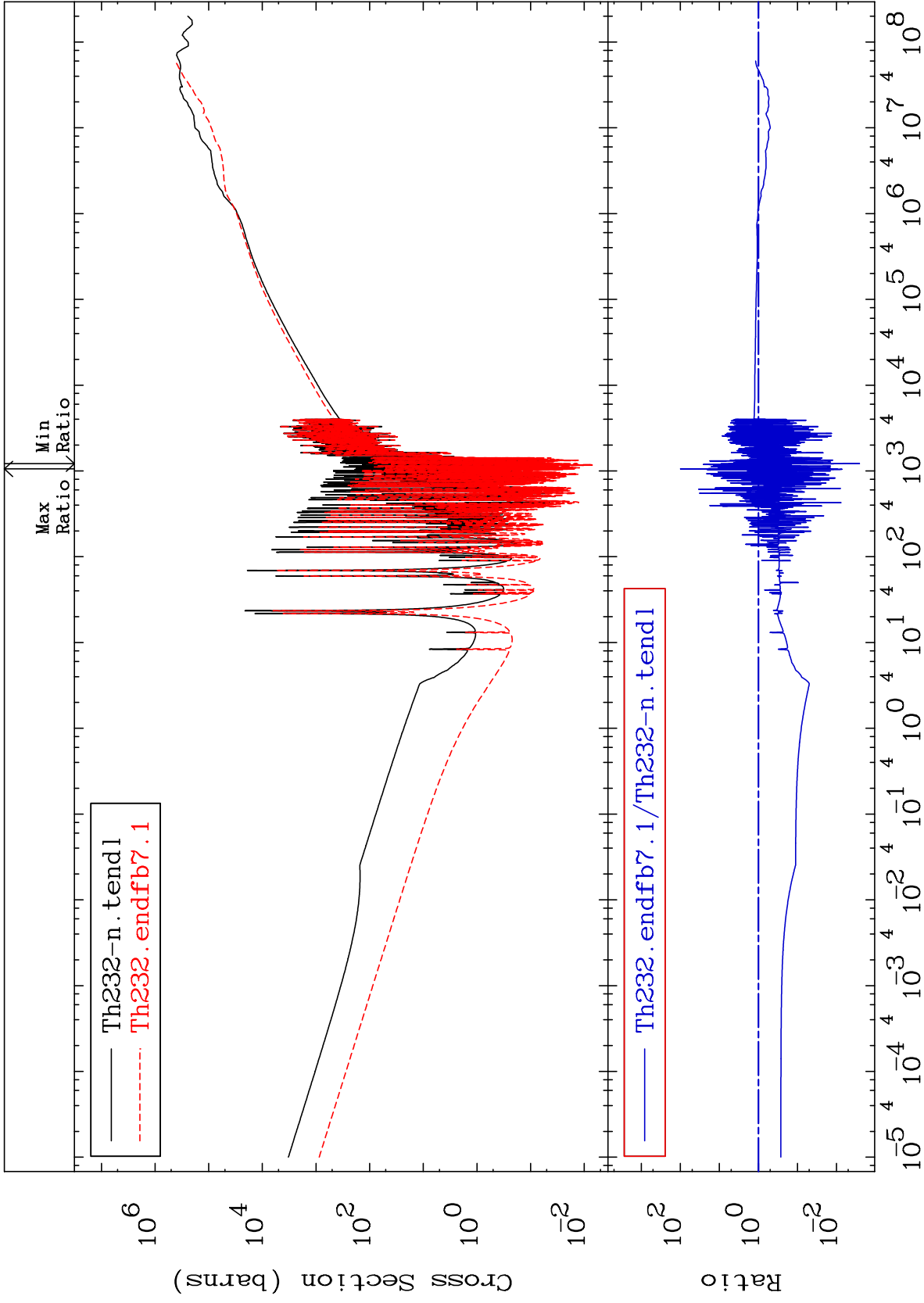
Total photon (eV-barns)  
Cross Section

90-Th-232

-99.85 To 9999. %



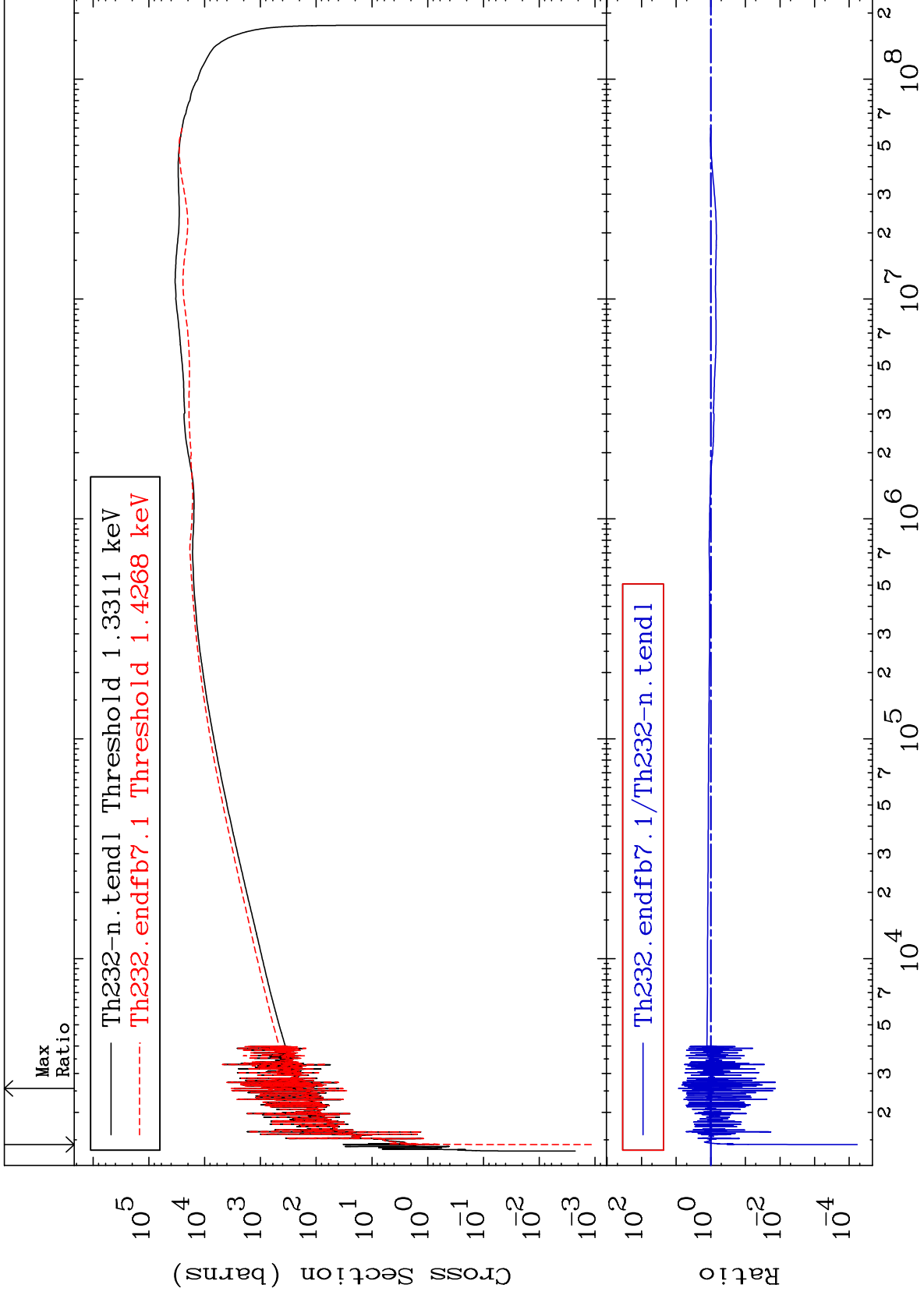




MAT 9040

Dpa elastic (mt2)  
Cross Section

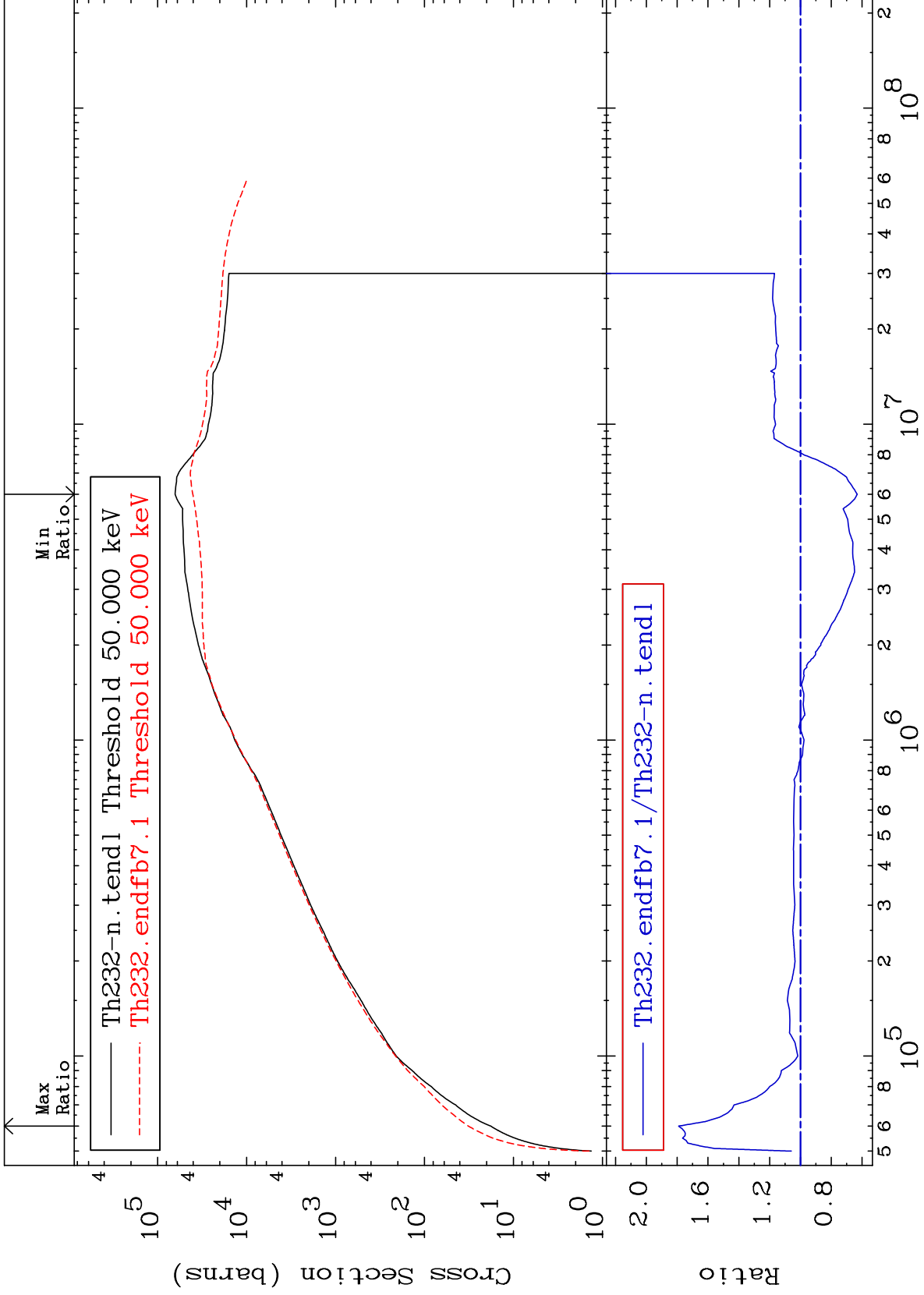
90-Th-232  
-99.99 To 749.8 %



MAT 9040

Dpa inelastic (mt51-91)  
Cross Section

90-Th-232  
-36.84 To 79.06 %





MAT 9040

Dpa disappearance (mt102 -120)  
Cross Section

90-Th-232  
-99.77 To 9999. %

