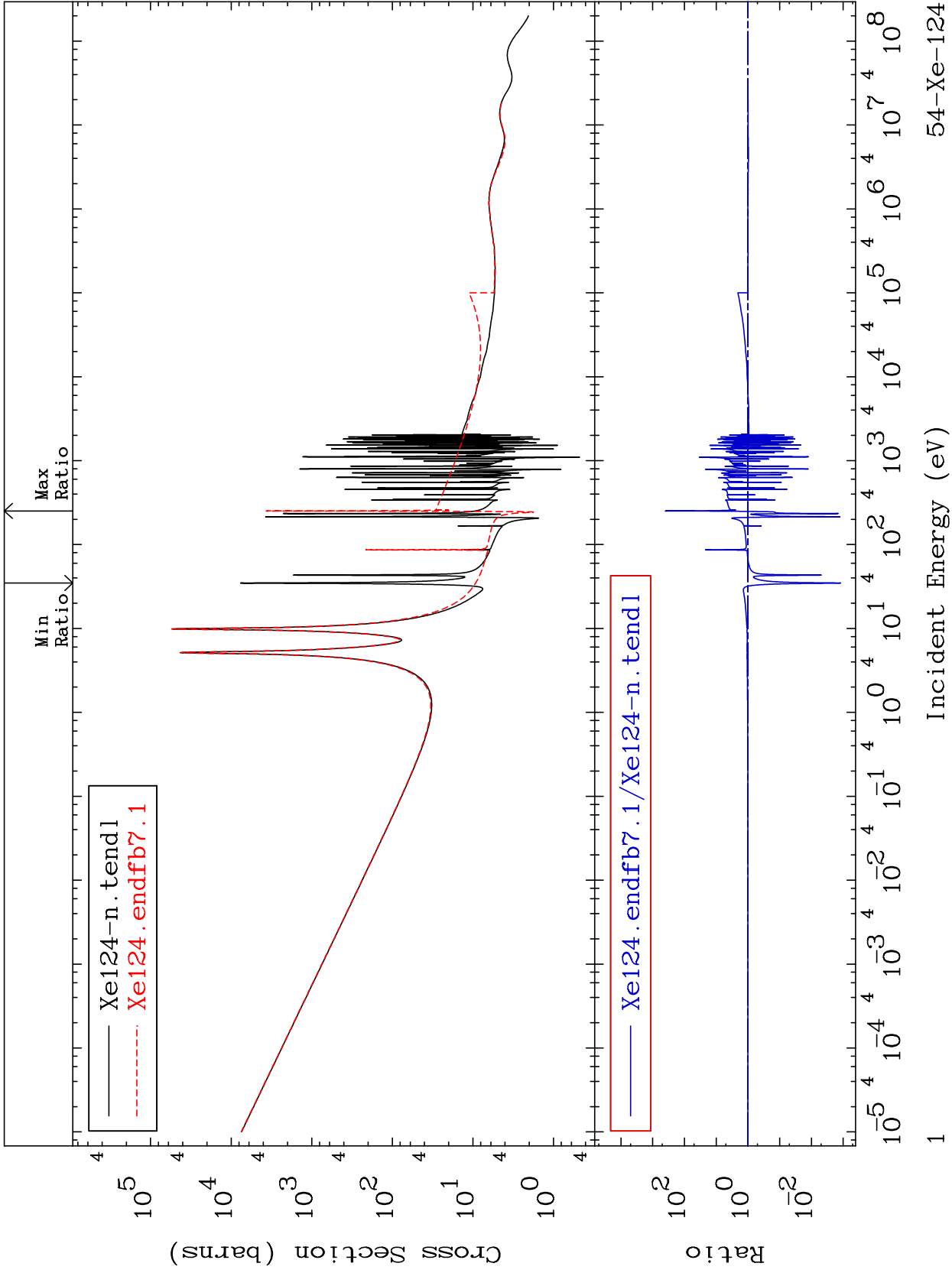


MAT 5425

Total Cross Section
54-Xe-124
-99.88 To 9999. %



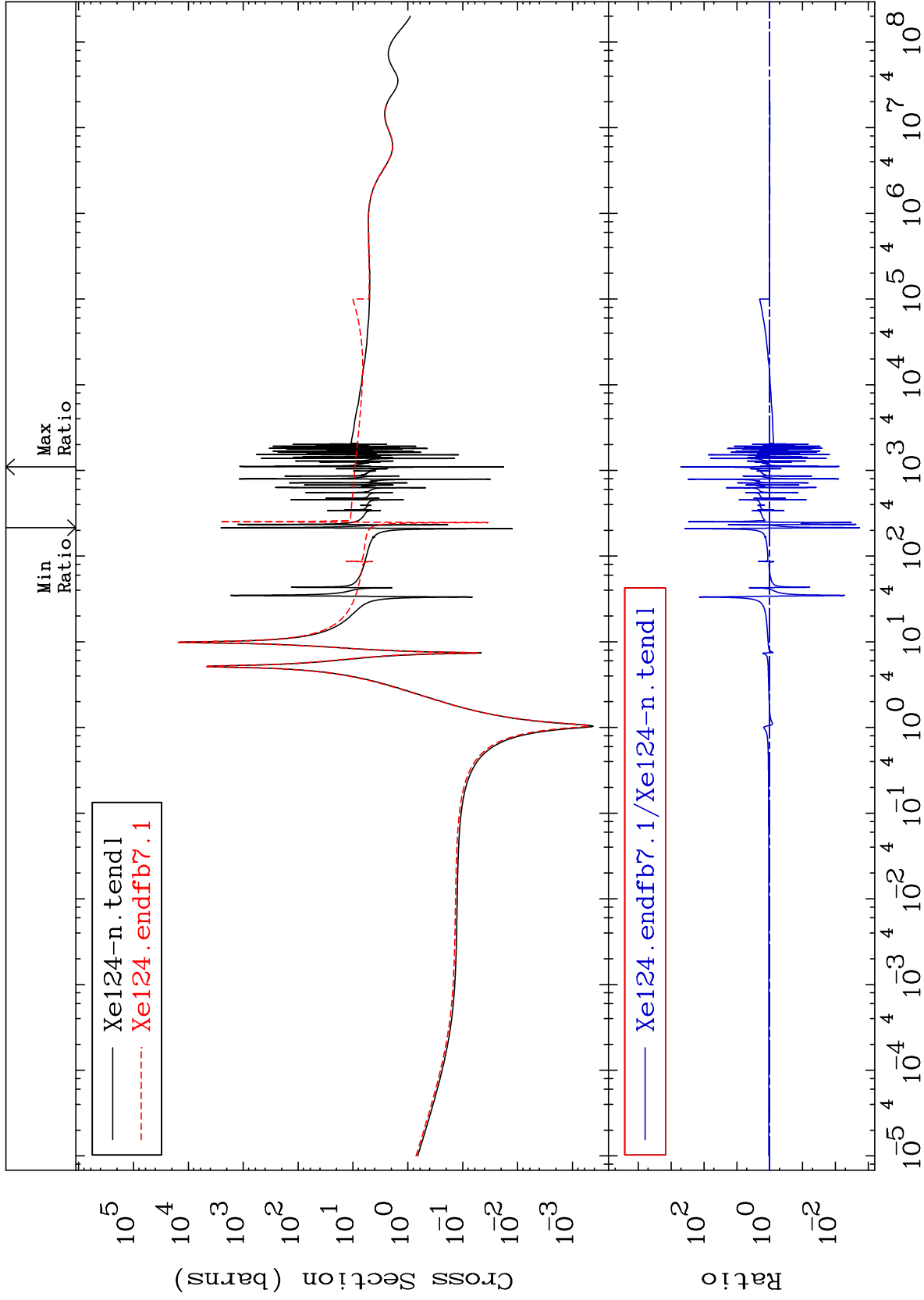
MAT 5425

Elastic

54-Xe-124

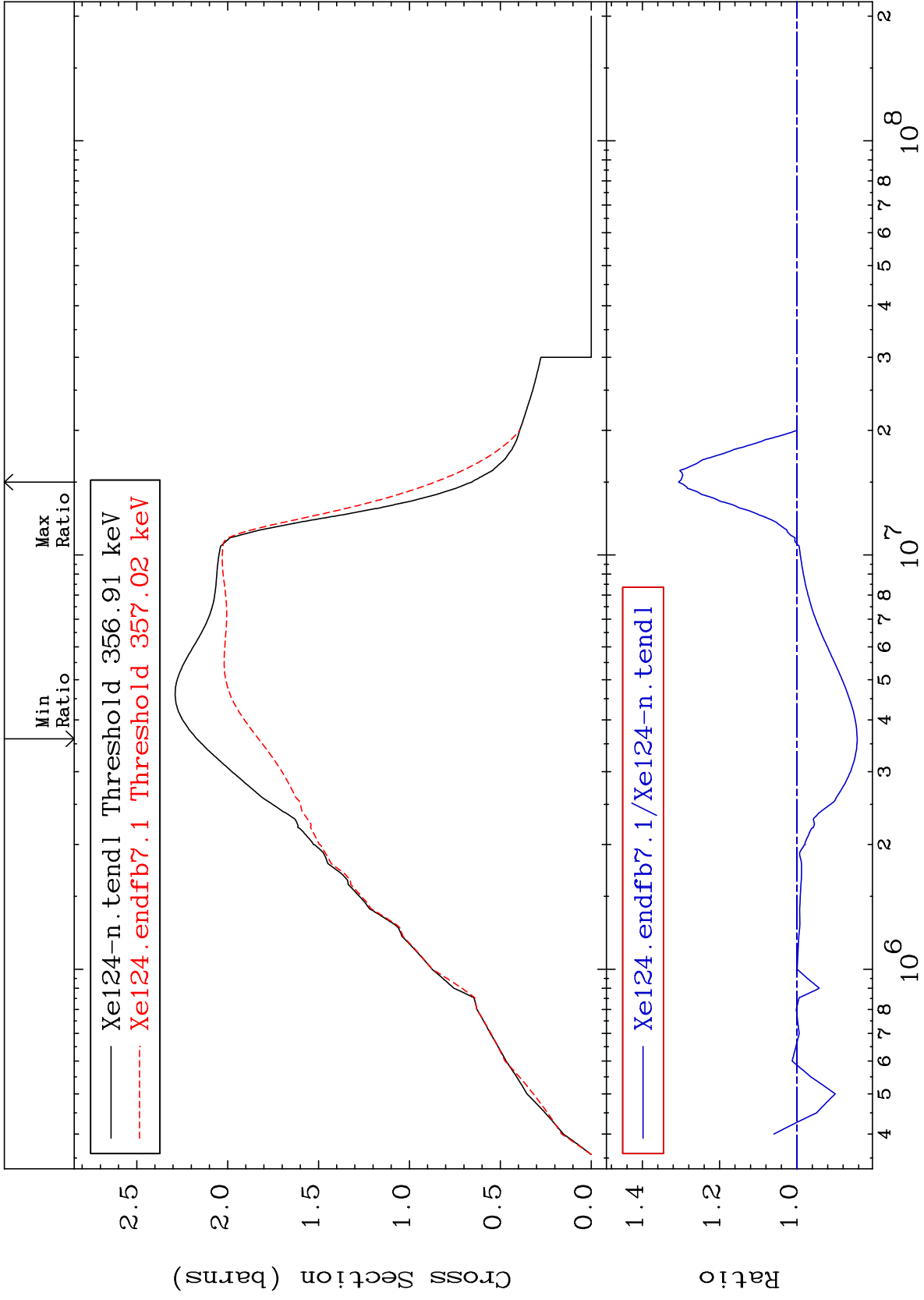
Cross Section

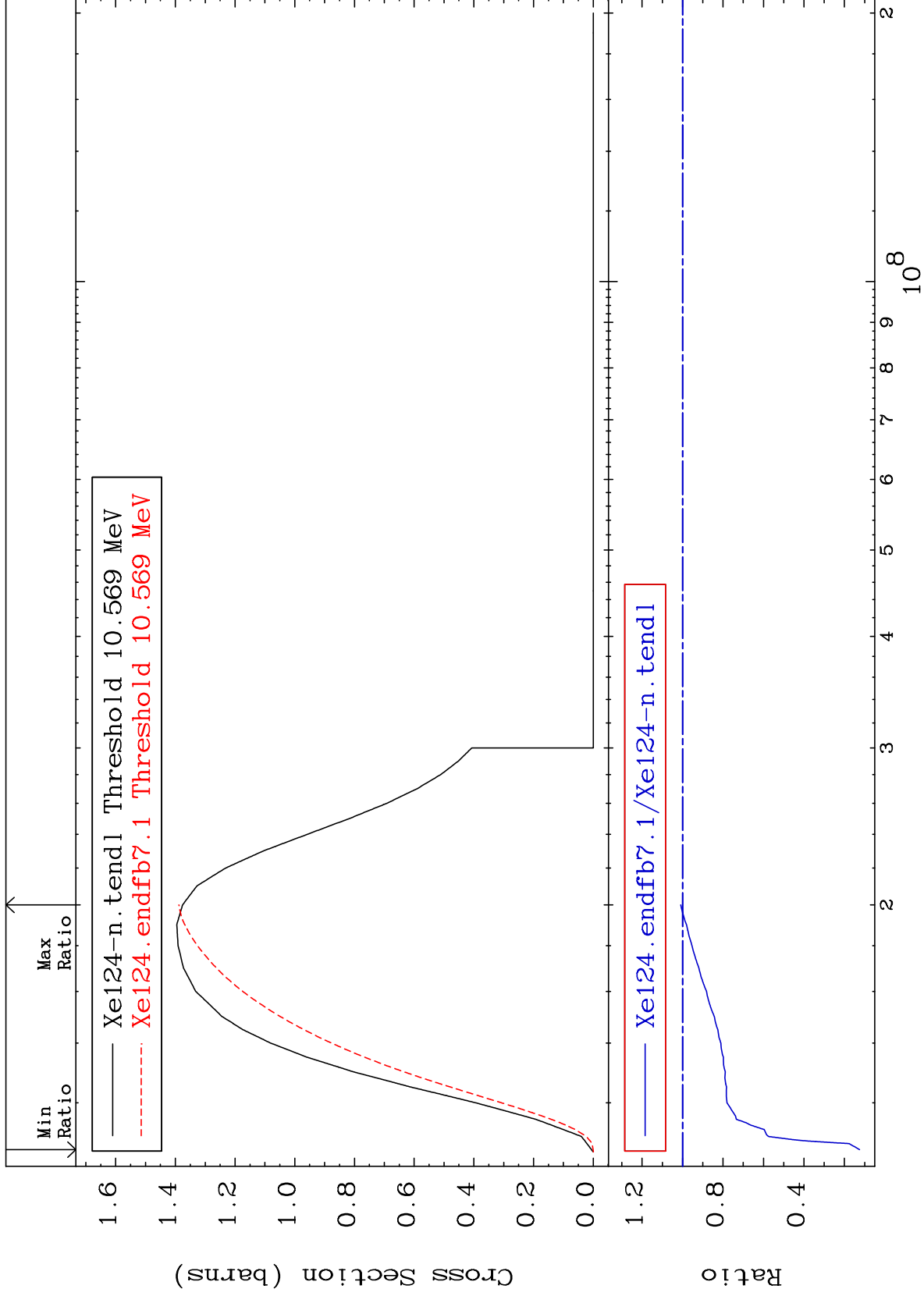
-99.81 To 9999. %



MAT 5425

Inelastic Cross Section
54-Xe-124
-15.64 To 30.61 %

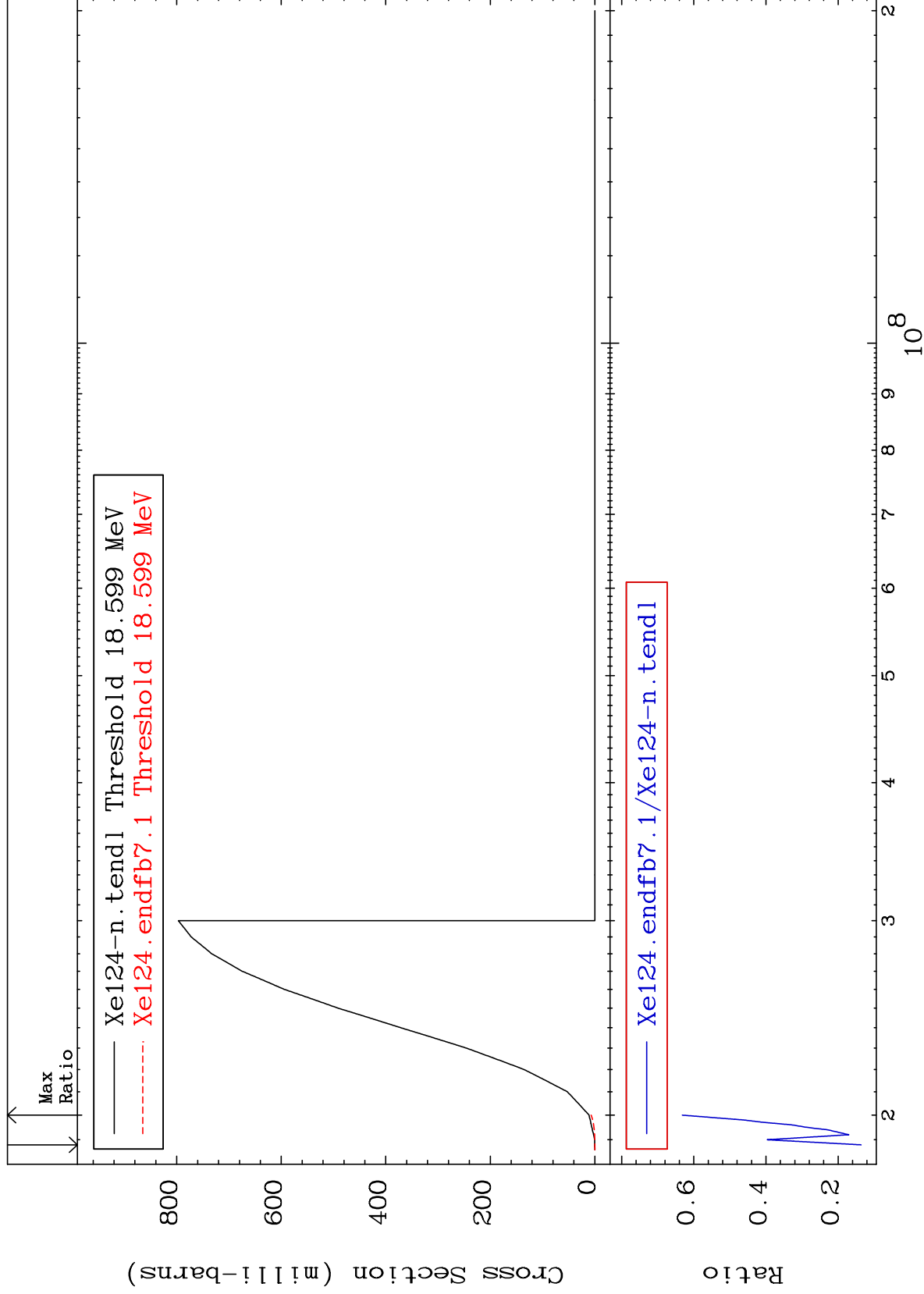




MAT 5425

(n,3n)
Cross Section

54-Xe-124
-86.36 To -36.81%



5

Incident Energy (eV)

54-Xe-124

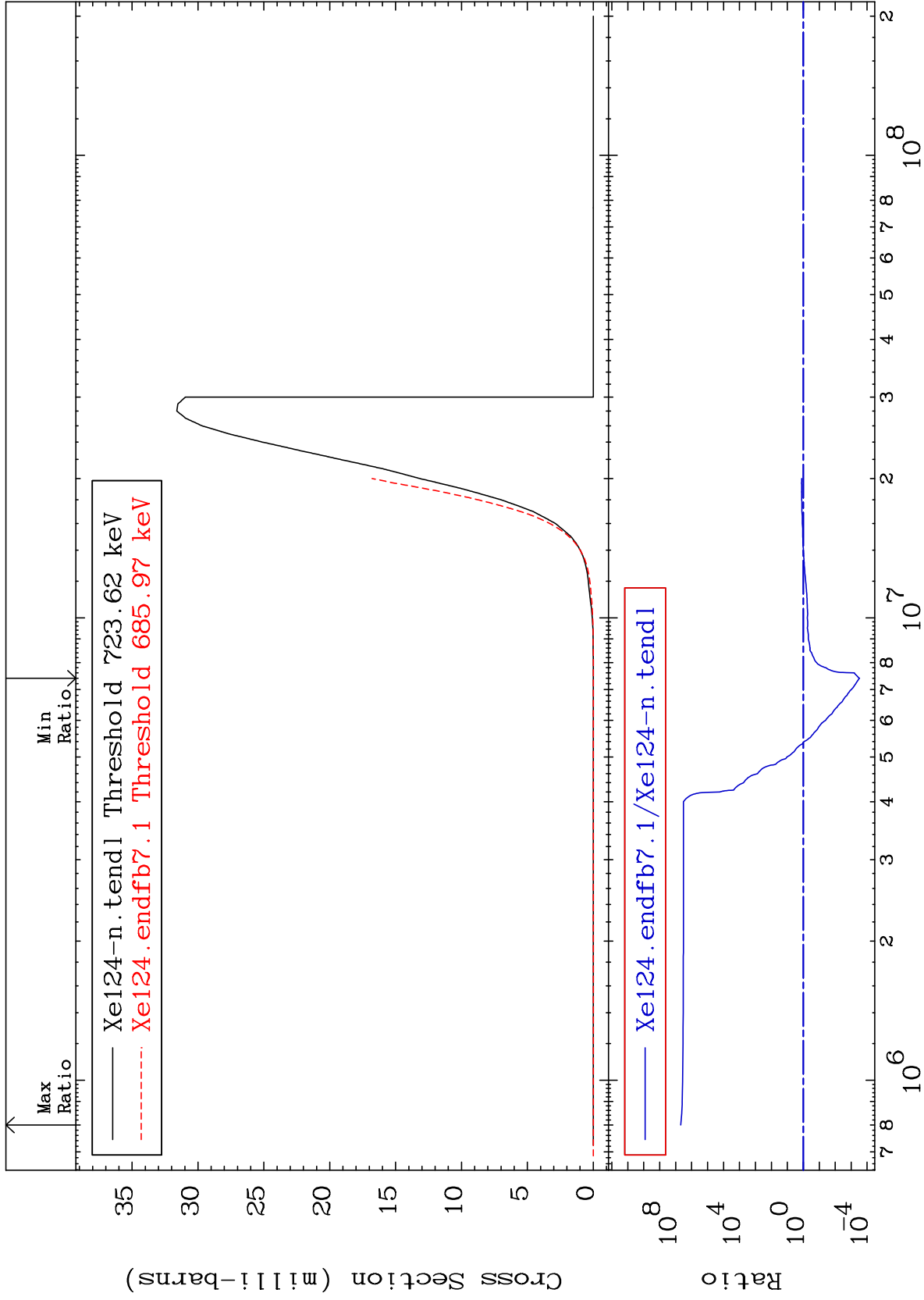
MAT 5425

(n, n') α

54-Xe-124

Cross Section

-99.97 To 9999. %



6

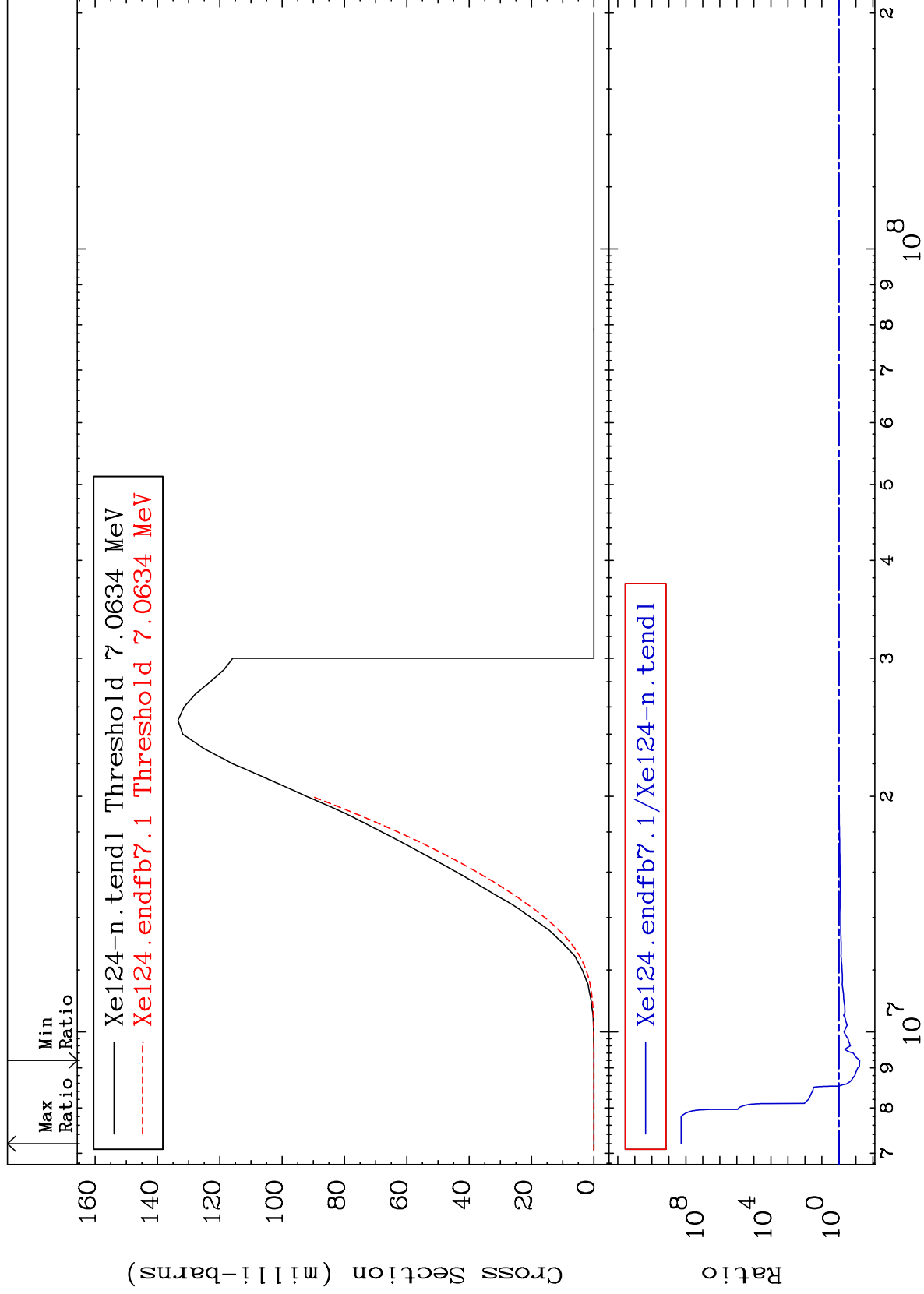
Incident Energy (eV)

54-Xe-124

MAT 5425

(n,n') p
Cross Section

54-Xe-124
-93.97 To 9999. %



7

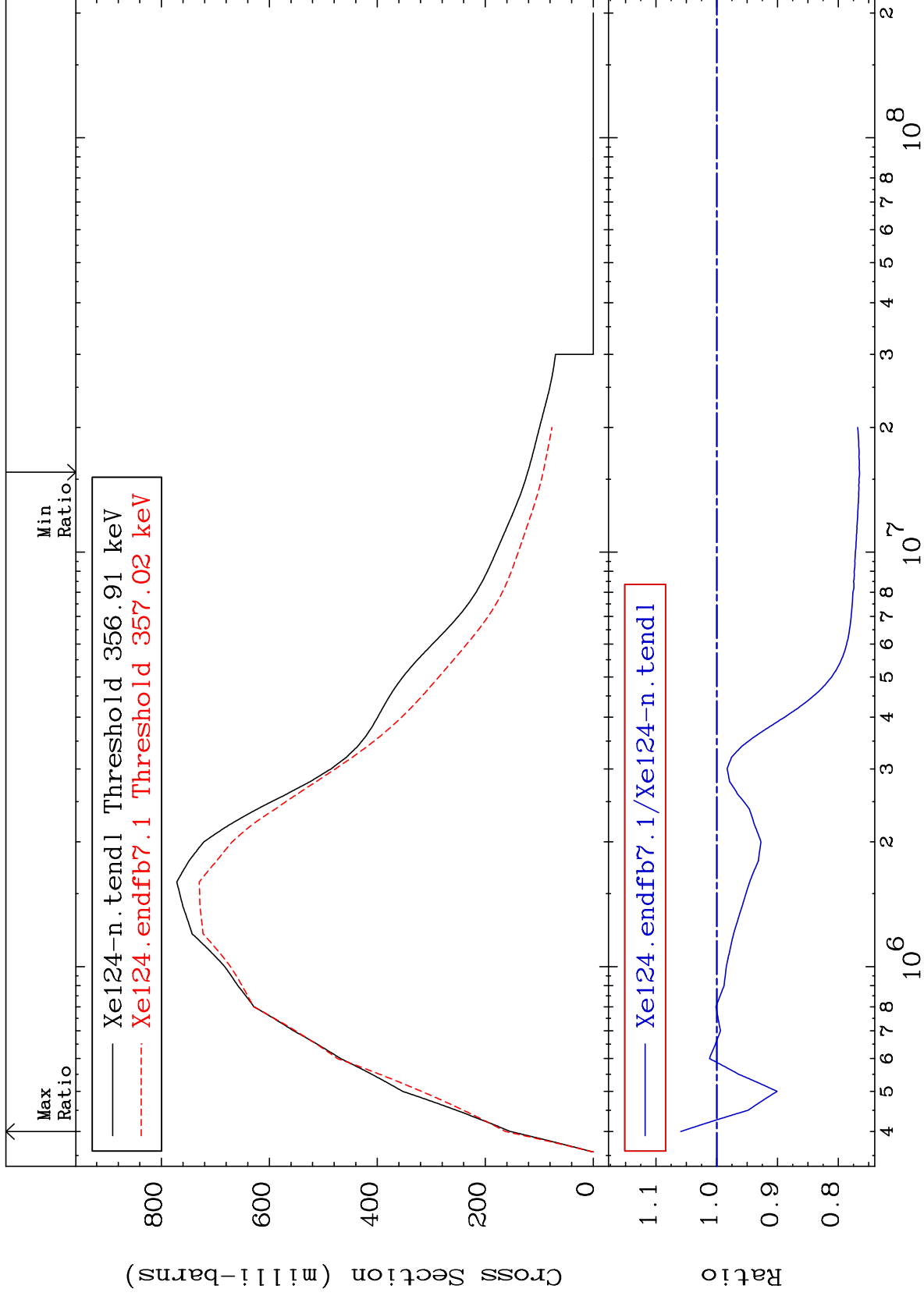
Incident Energy (eV)

54-Xe-124

MAT 5425

354.0 keV (n,n') Level
Cross Section

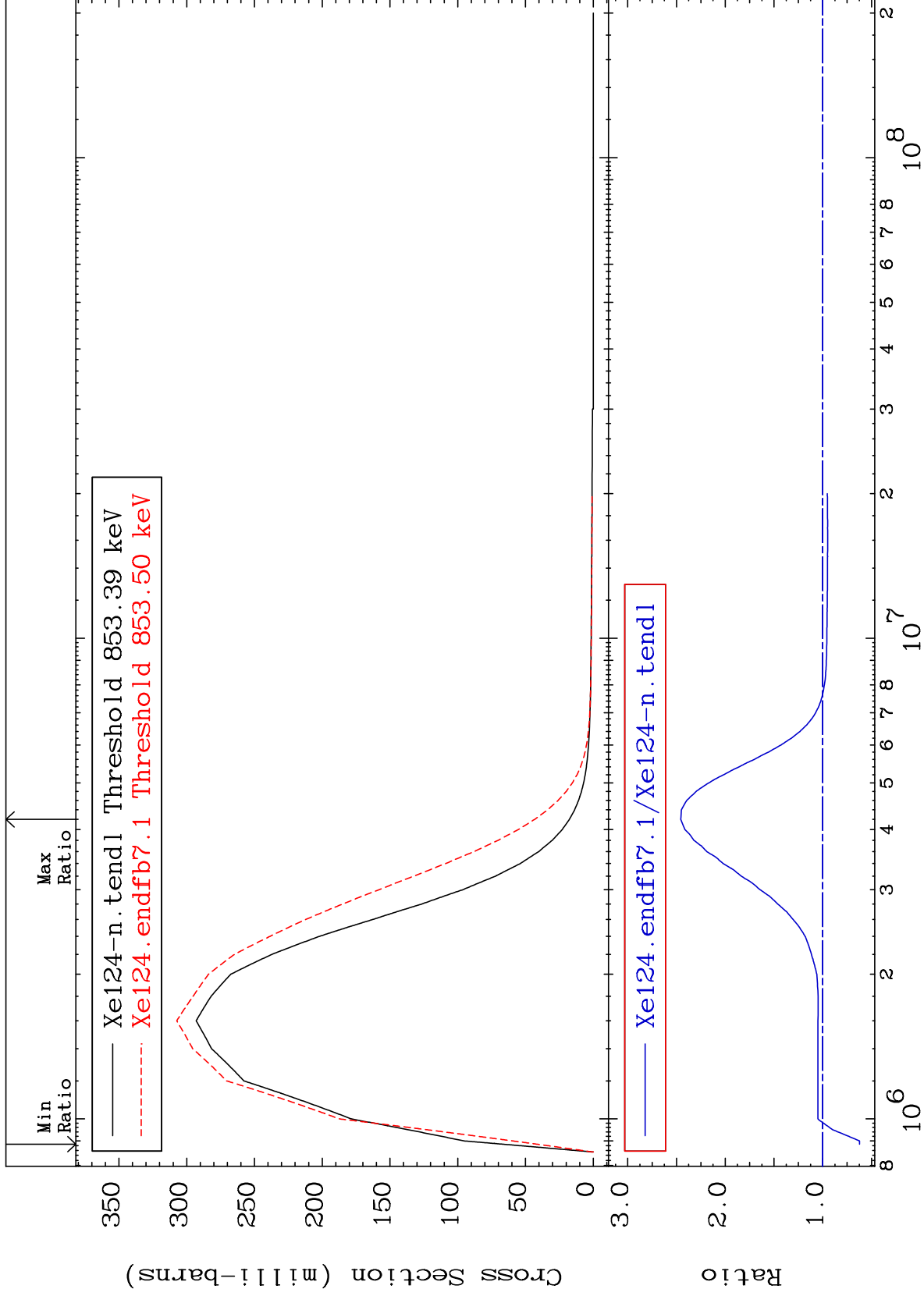
54-Xe-124
-23.48 To 5.930 %



MAT 5425

846.5 keV (n,n') Level
Cross Section

54-Xe-124
-37.73 To 145.6 %



9

Incident Energy (eV)

54-Xe-124

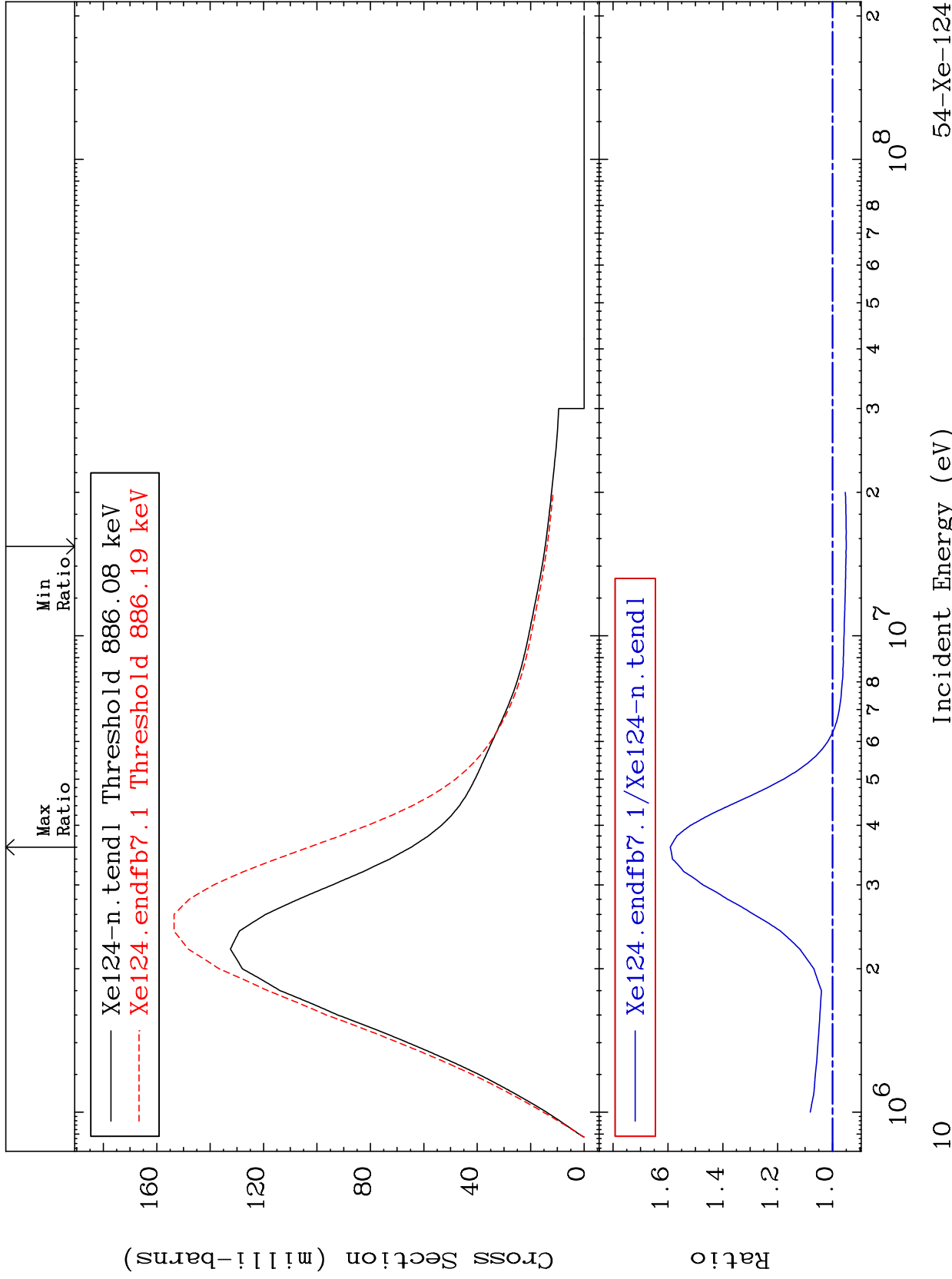
MAT 5425

878.9 keV (n,n') Level

54-Xe-124

-5.018 To 59.15 %

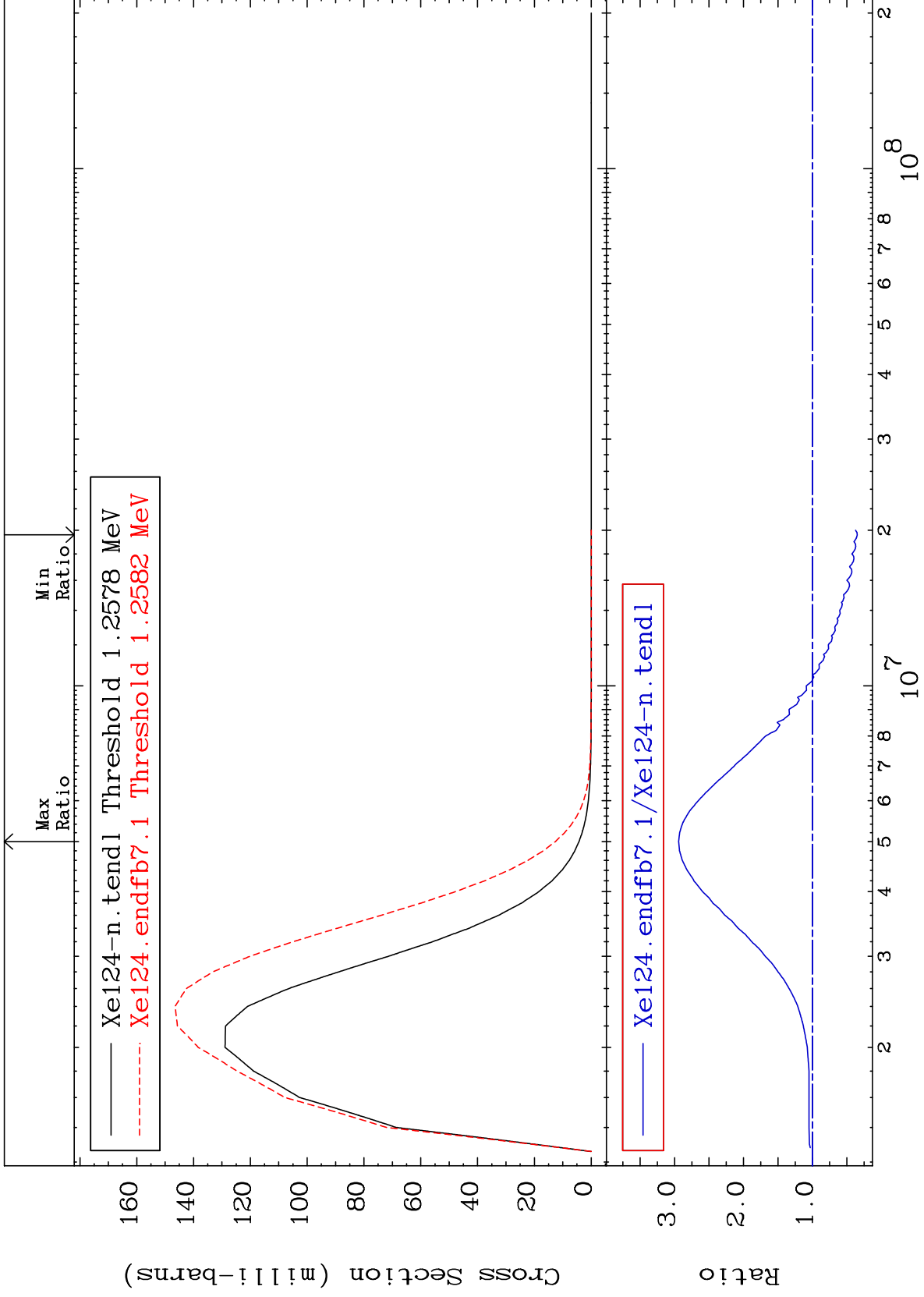
Cross Section



MAT 5425

1.248 MeV (n,n') Level
Cross Section

54-Xe-124
-65.08 To 194.1 %

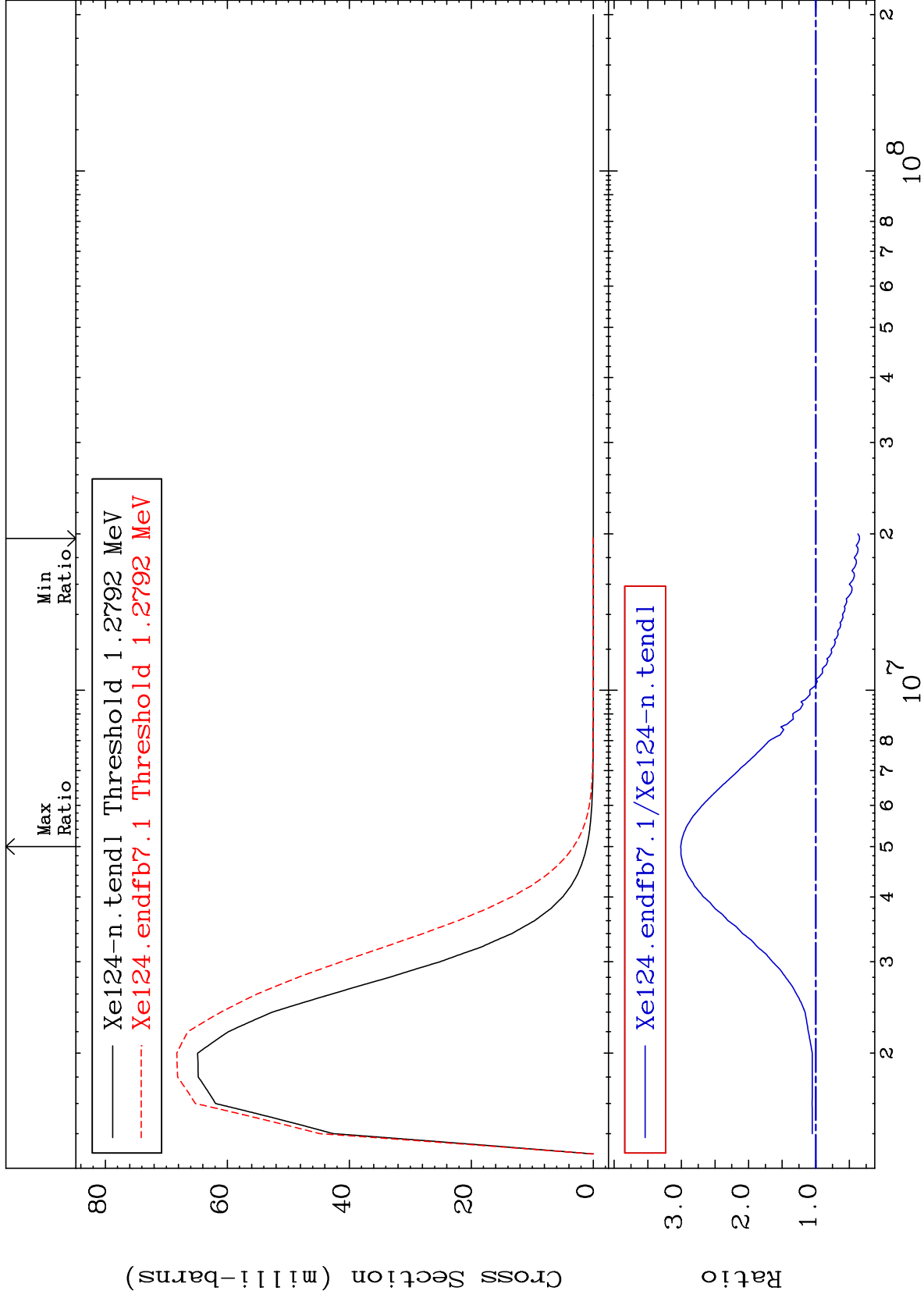


MAT 5425

1.269 MeV (n,n') Level

54-Xe-124

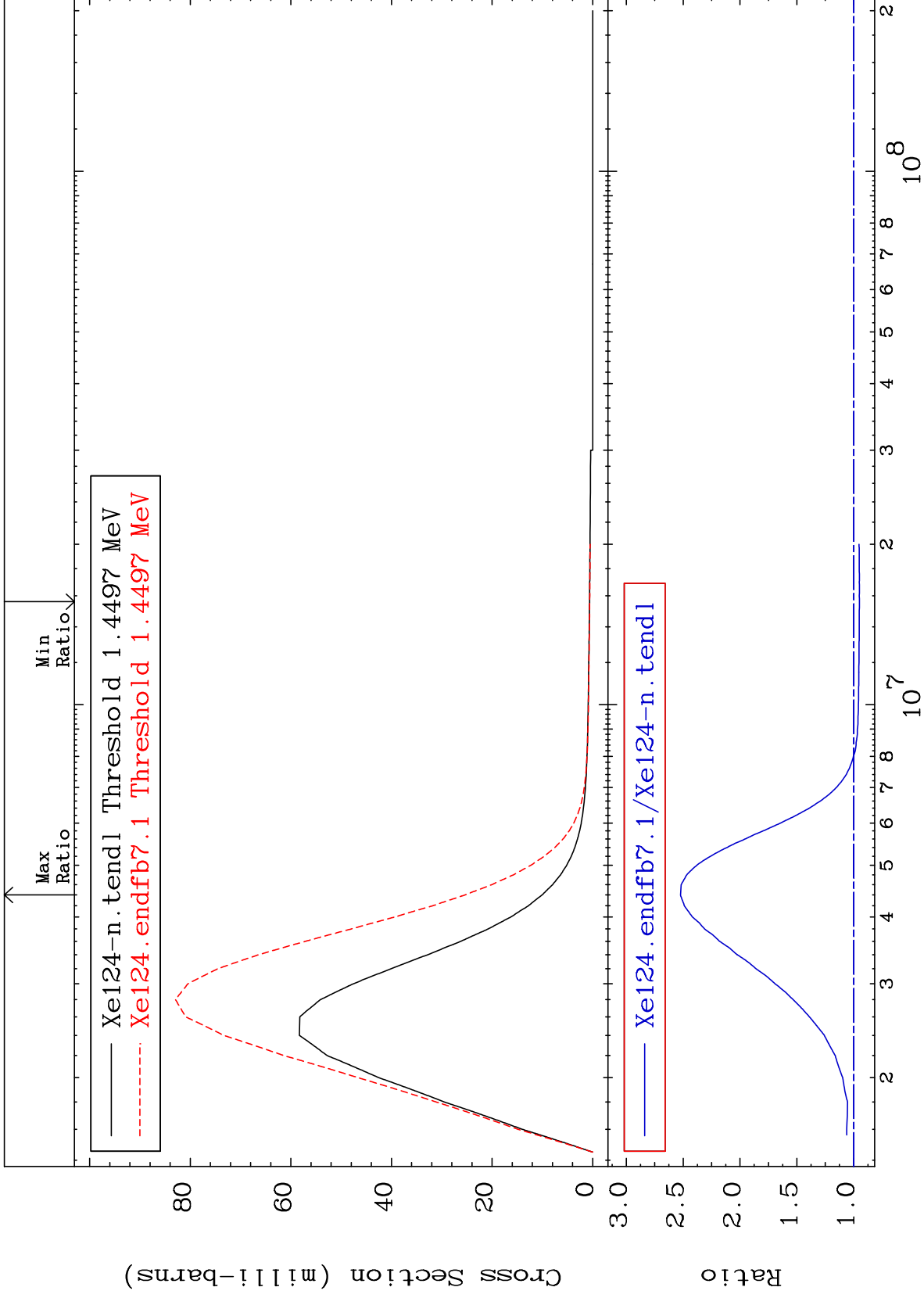
-65.16 To 200.9 %



MAT 5425

1.438 MeV (n,n') Level
Cross Section

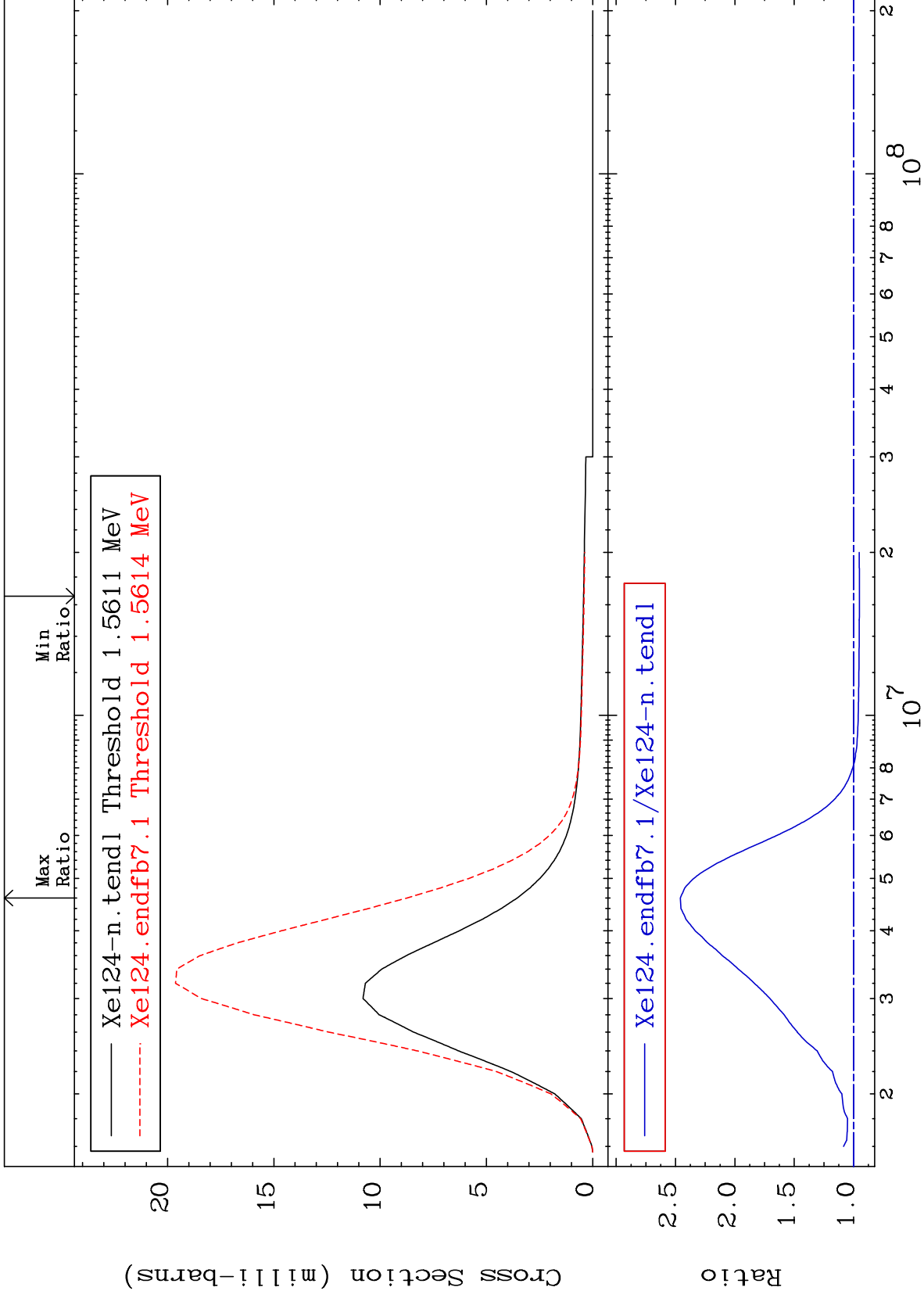
54-Xe-124
-5.027 To 152.4 %



MAT 5425

1.548 MeV (n,n') Level
Cross Section

54-Xe-124
-4.917 To 145.9 %



14

Incident Energy (eV)

54-Xe-124

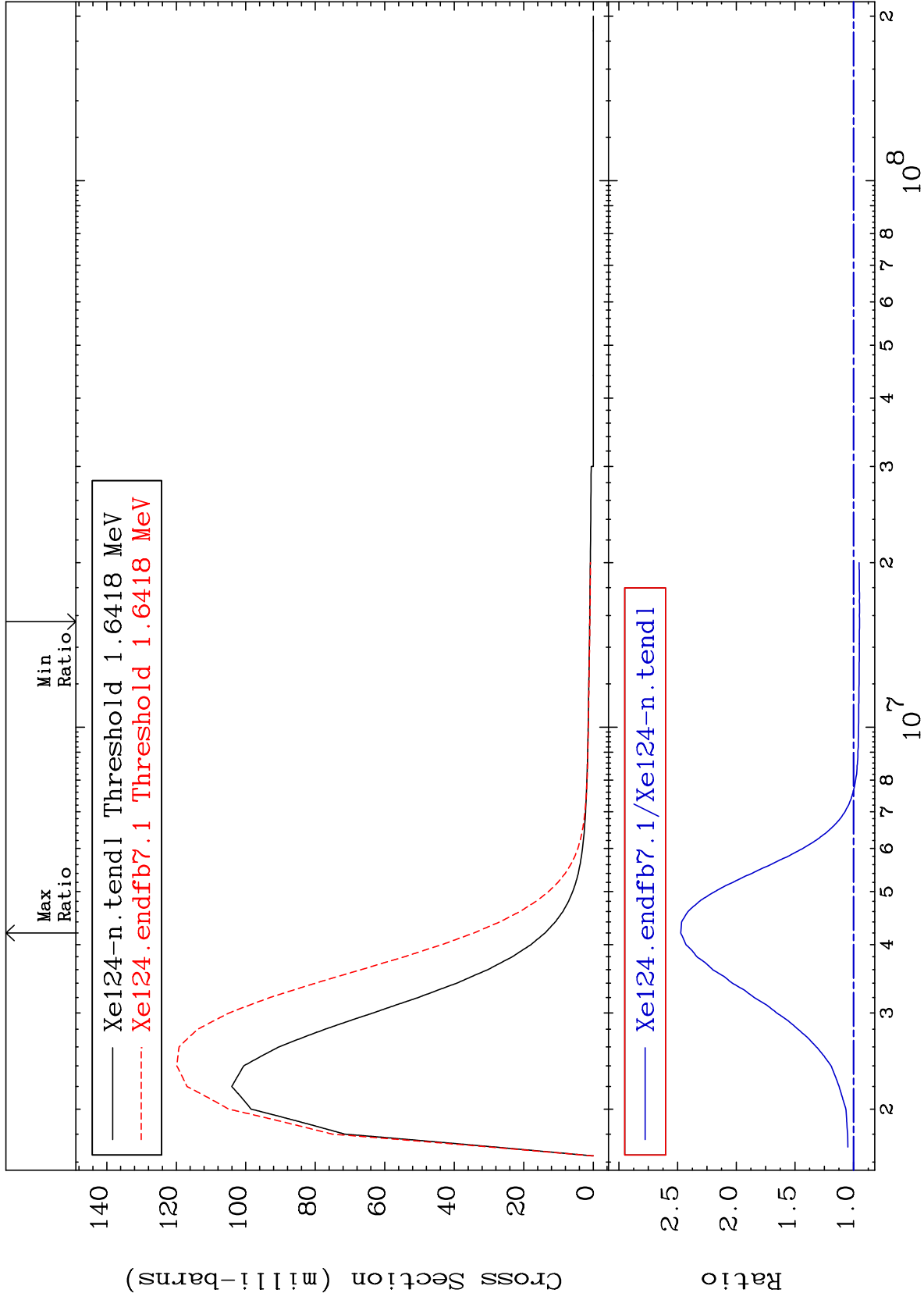
MAT 5425

1.629 MeV (n,n') Level

54-Xe-124

-5.075 To 147.3 %

Cross Section



15

Incident Energy (eV)

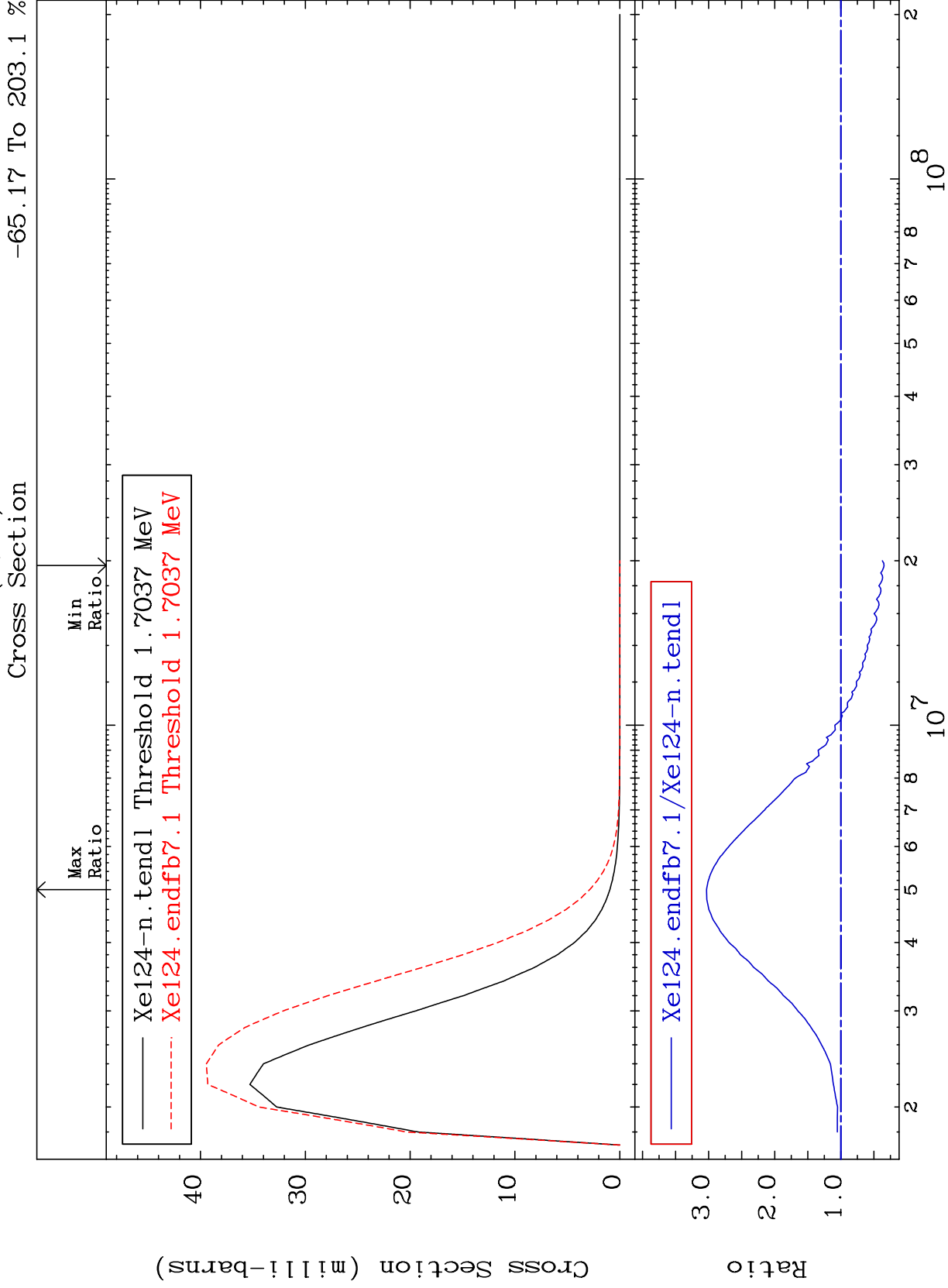
54-Xe-124

MAT 5425

1.690 MeV (n,n') Level

54-Xe-124

-65.17 To 203.1 %



16

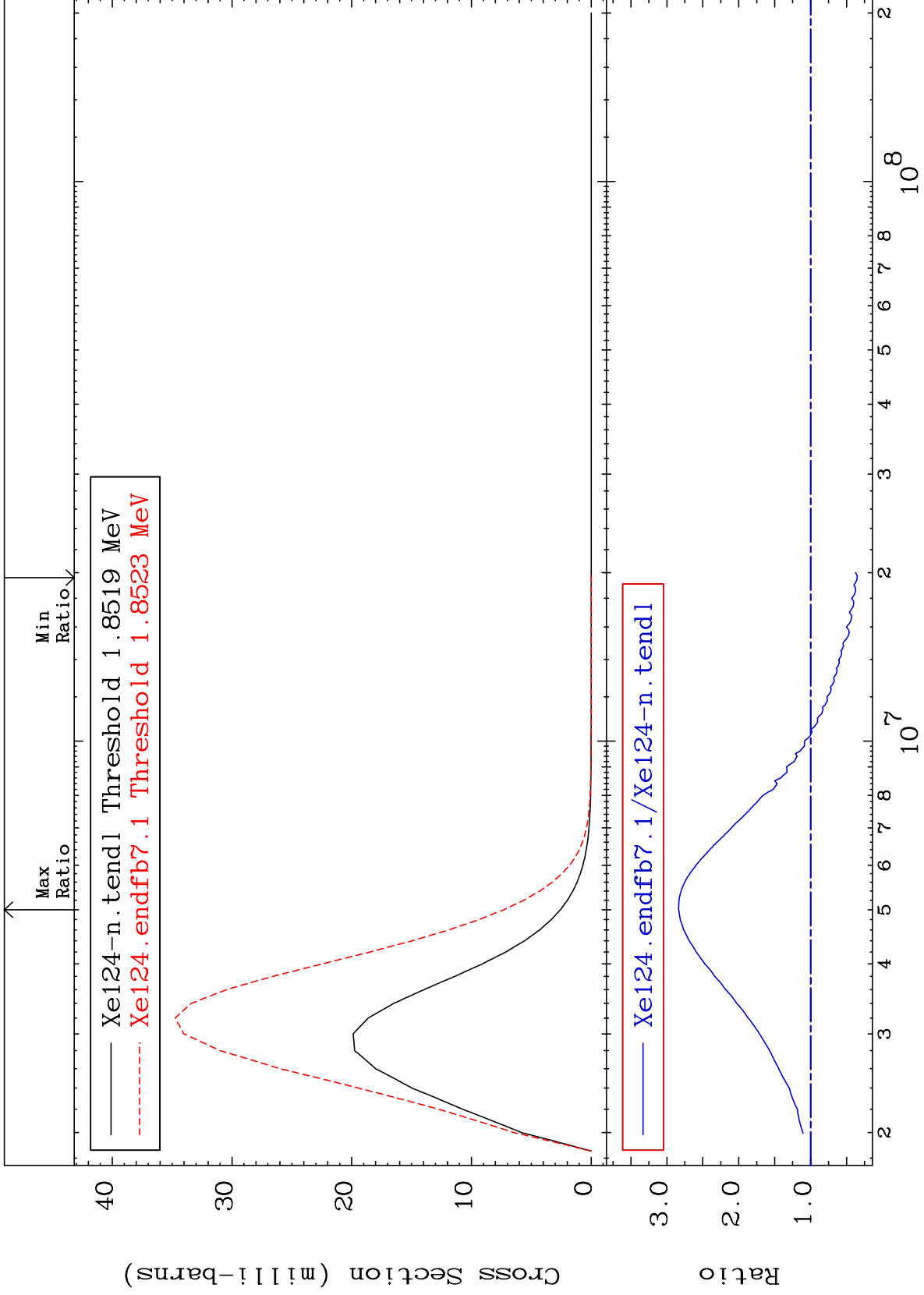
Incident Energy (eV)

54-Xe-124

MAT 5425

1.837 MeV (n,n') Level
Cross Section

54-Xe-124
-64.89 To 183.6 %



17

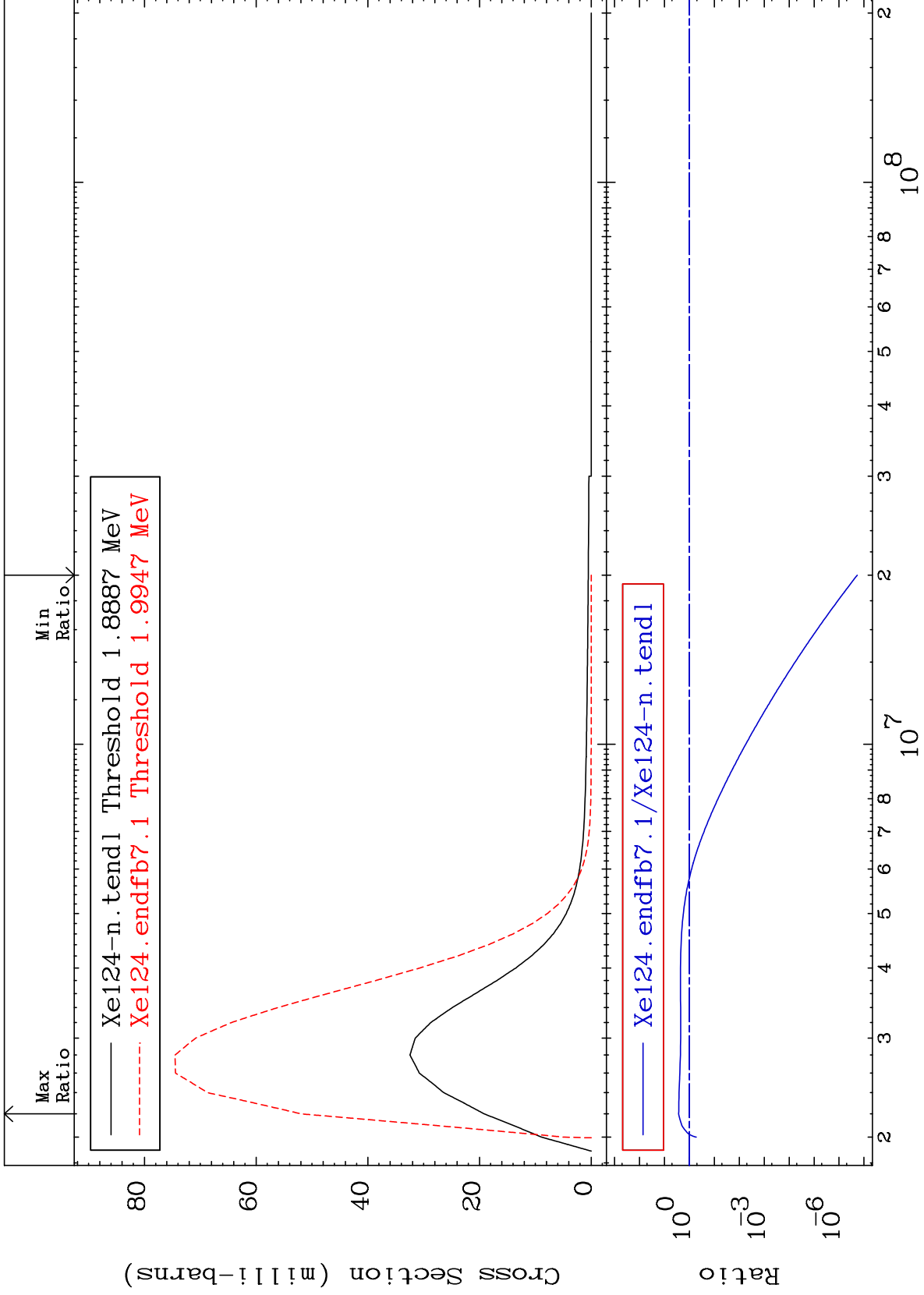
Incident Energy (eV)

54-Xe-124

MAT 5425

1.873 MeV (n,n') Level
Cross Section

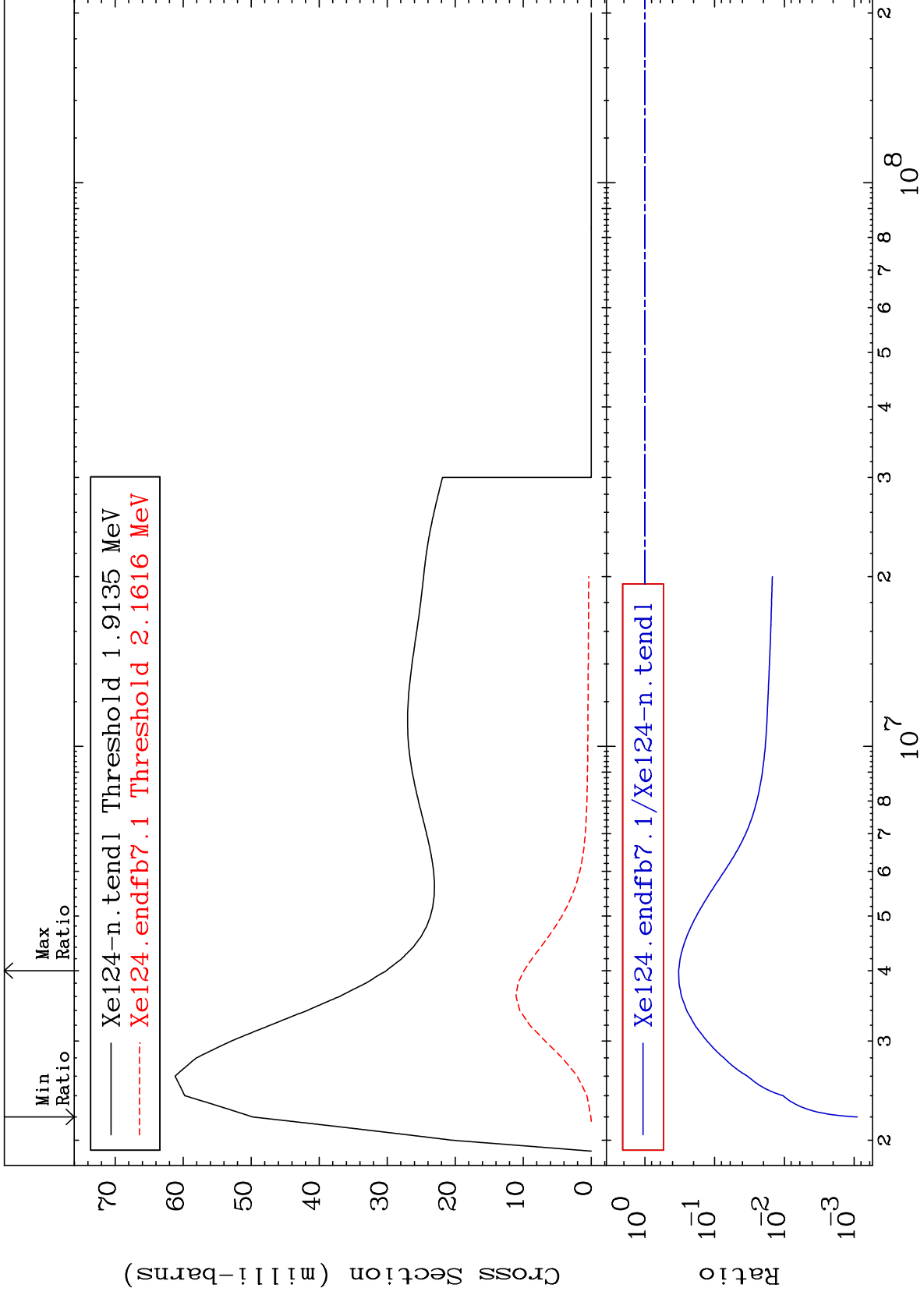
54-Xe-124
-100.0 To 170.7 %



MAT 5425

1.898 MeV (n,n') Level
Cross Section

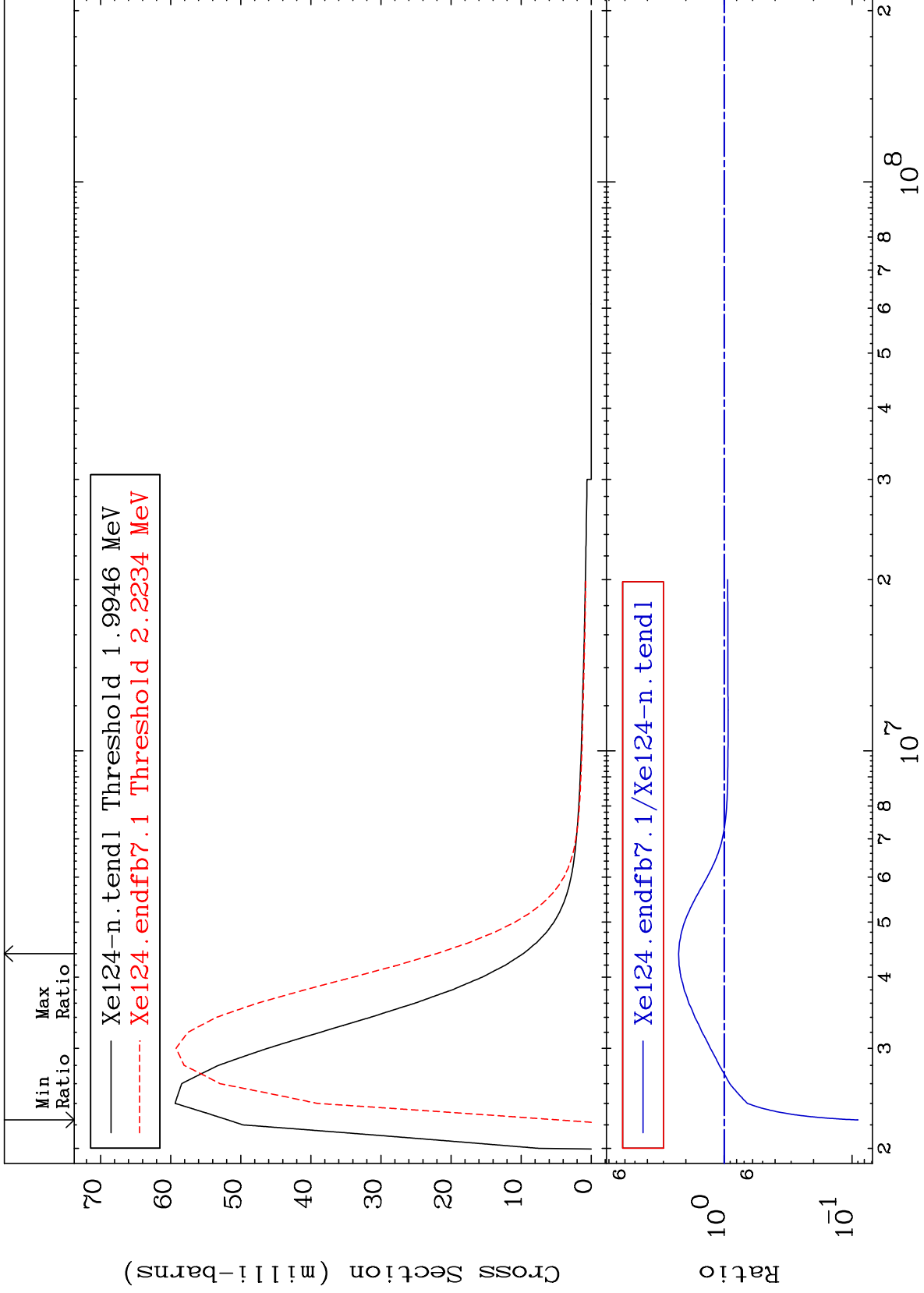
54-Xe-124
-99.91 To -67.21%



MAT 5425

1.979 MeV (n,n') Level
Cross Section

54-Xe-124
-90.91 To 127.6 %



20

Incident Energy (eV)

54-Xe-124

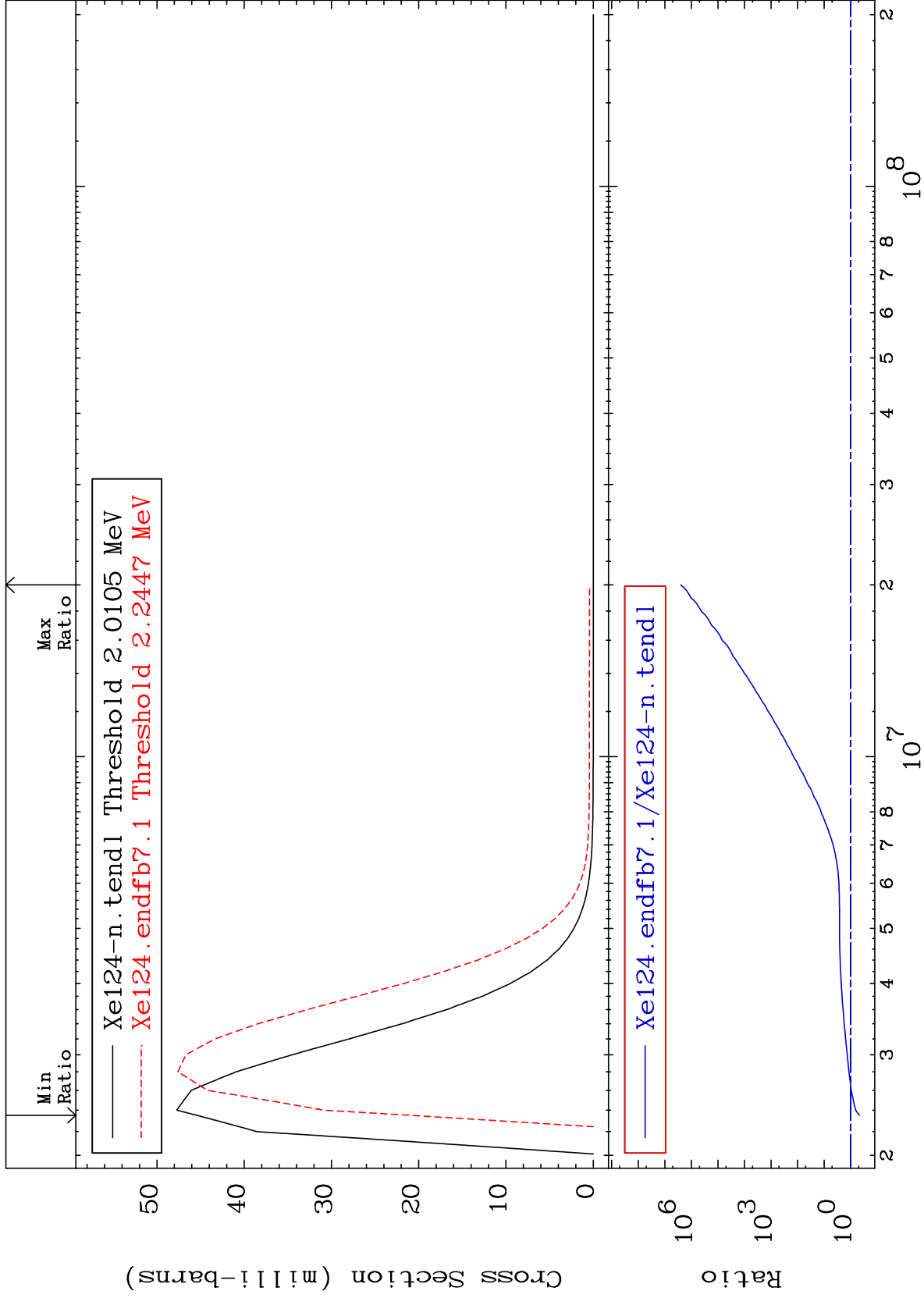
MAT 5425

1.994 MeV (n,n') Level

54-Xe-124

-53.59 To 9999. %

Cross Section



21

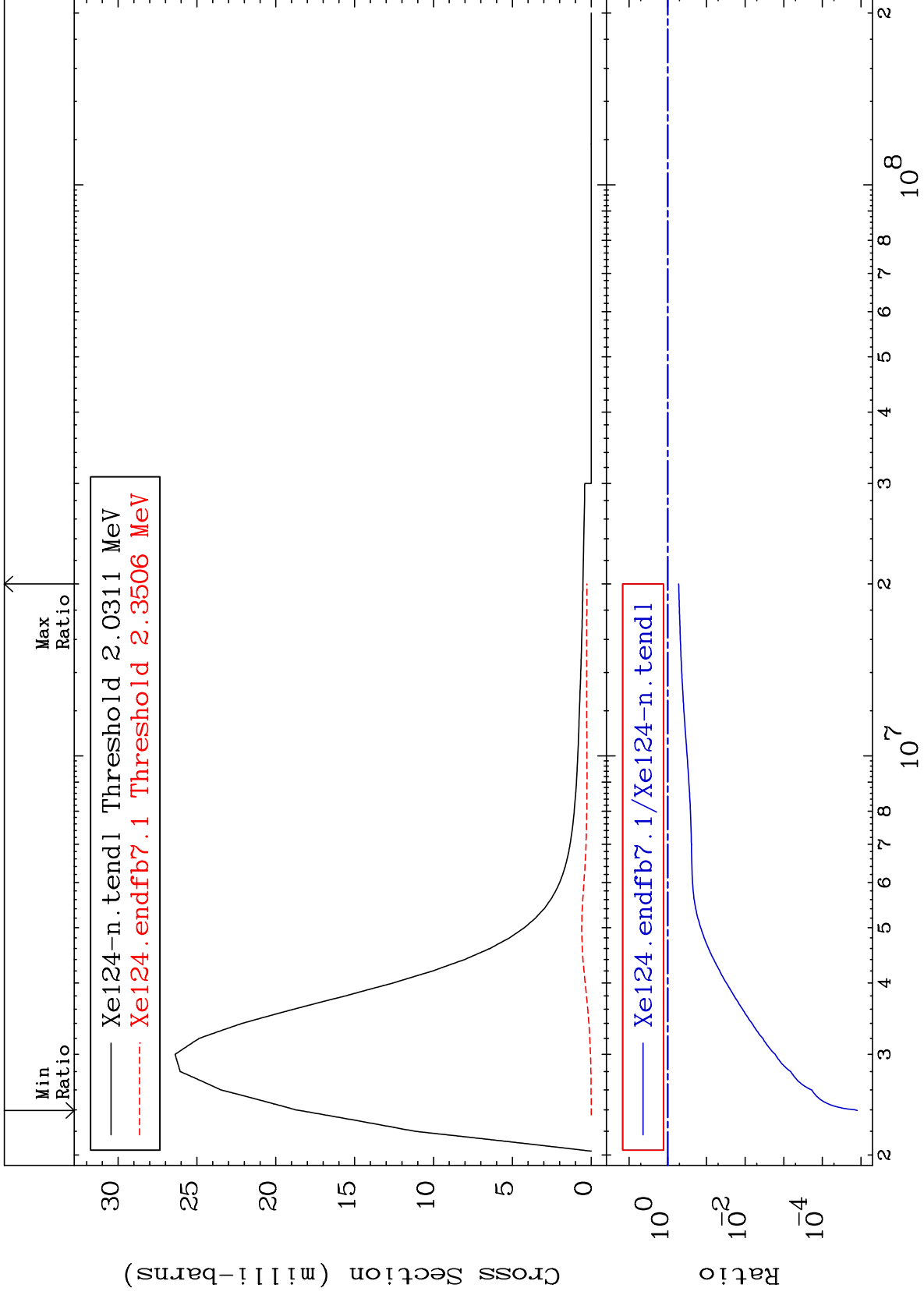
Incident Energy (eV)

54-Xe-124

MAT 5425

2.015 MeV (n,n') Level
Cross Section

54-Xe-124
-100.0 To -47.53%



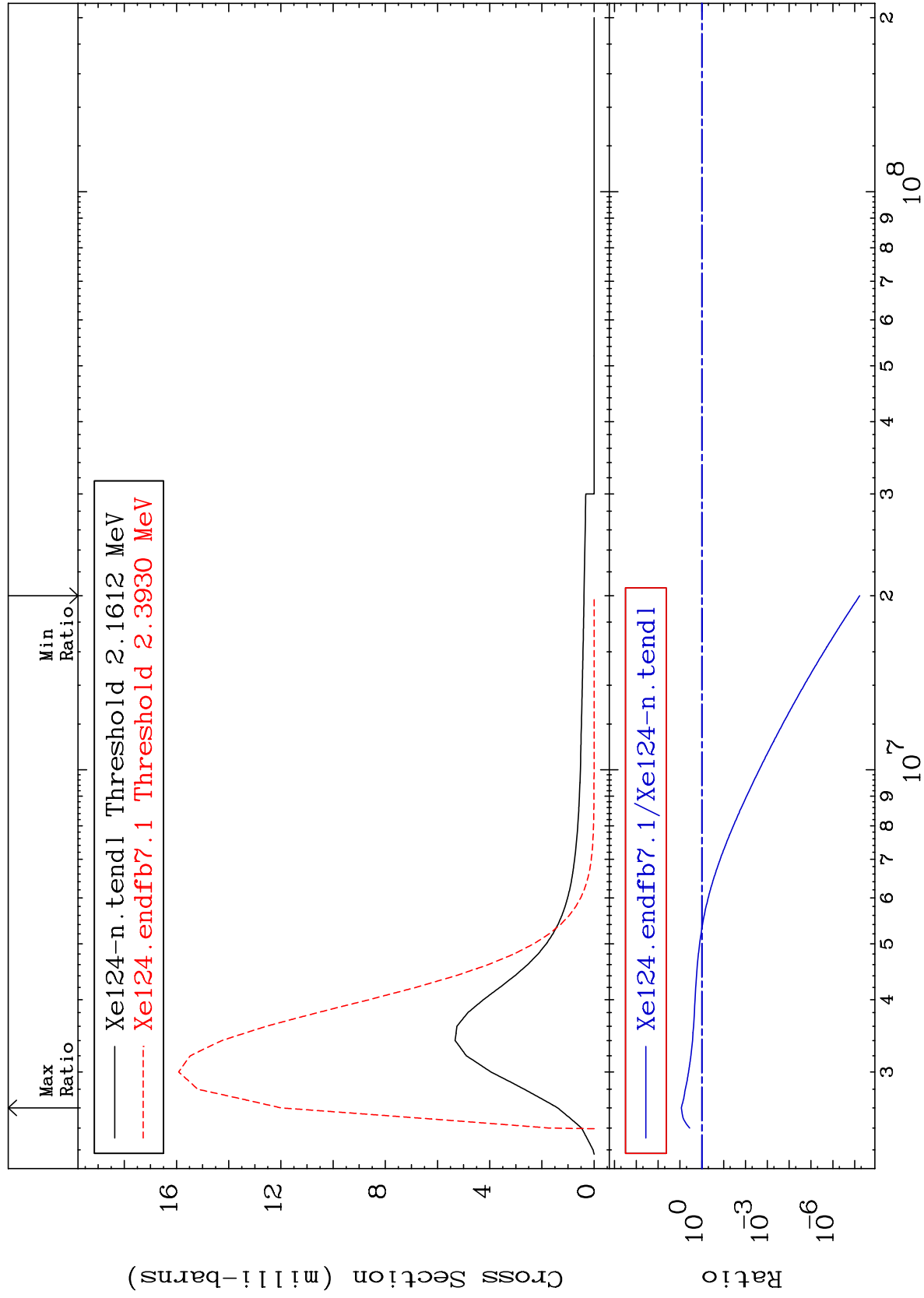
MAT 5425

2.144 MeV (n,n') Level

54-Xe-124

-100.0 To 760.0 %

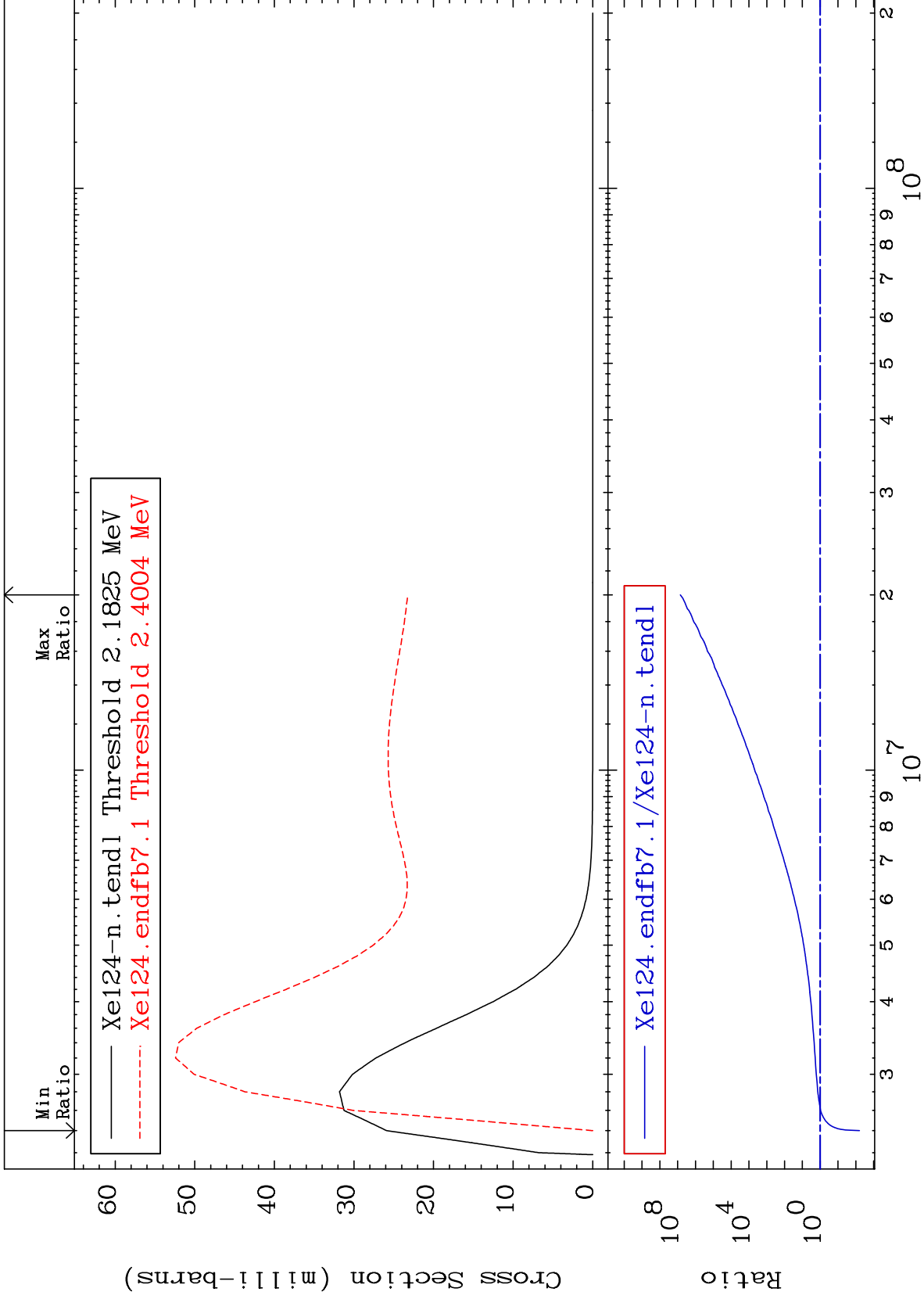
Cross Section



MAT 5425

2.165 MeV (n,n') Level
Cross Section

54-Xe-124
-99.37 To 9999. %



24

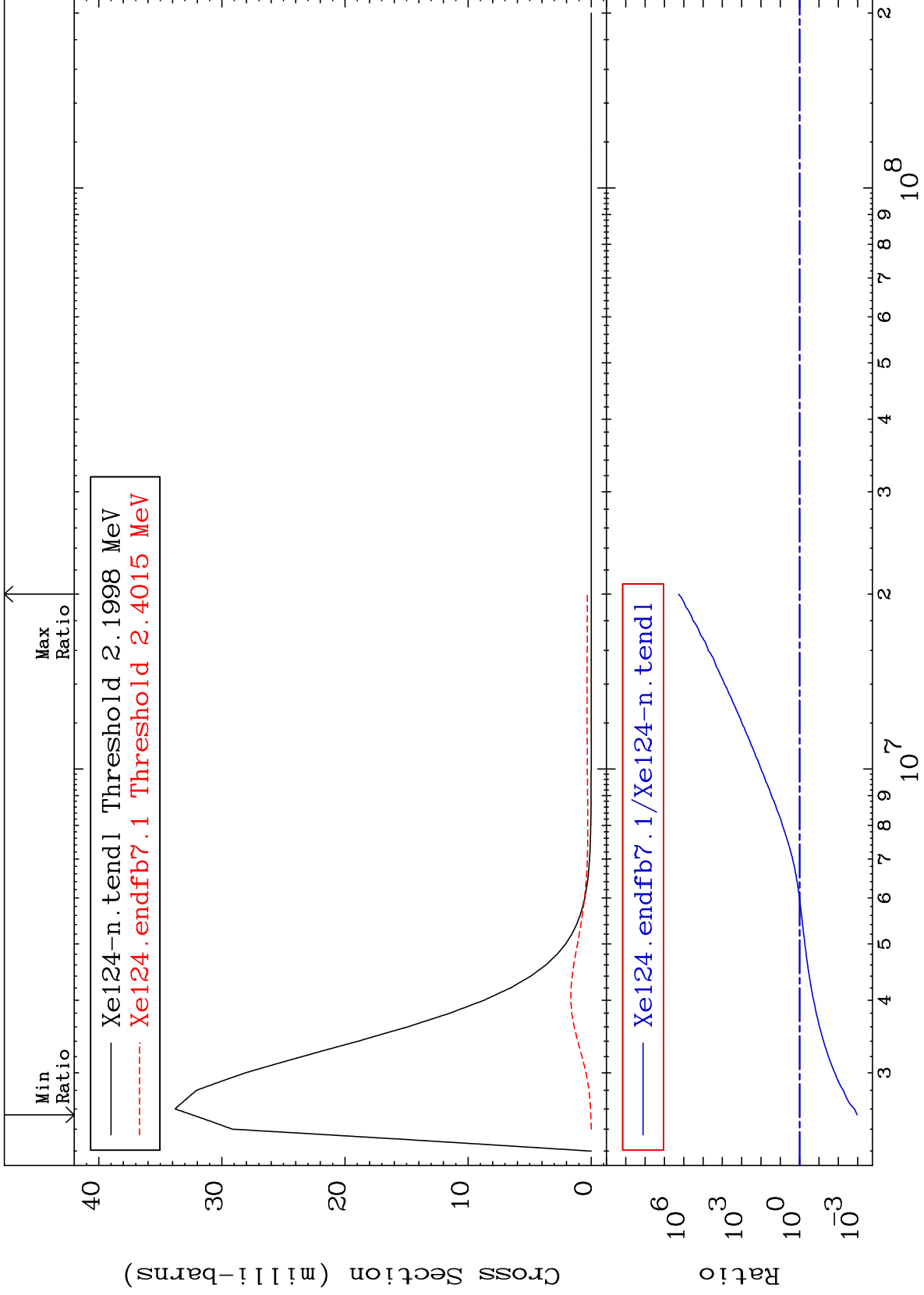
Incident Energy (eV)

54-Xe-124

MAT 5425

2.182 MeV (n,n') Level
Cross Section

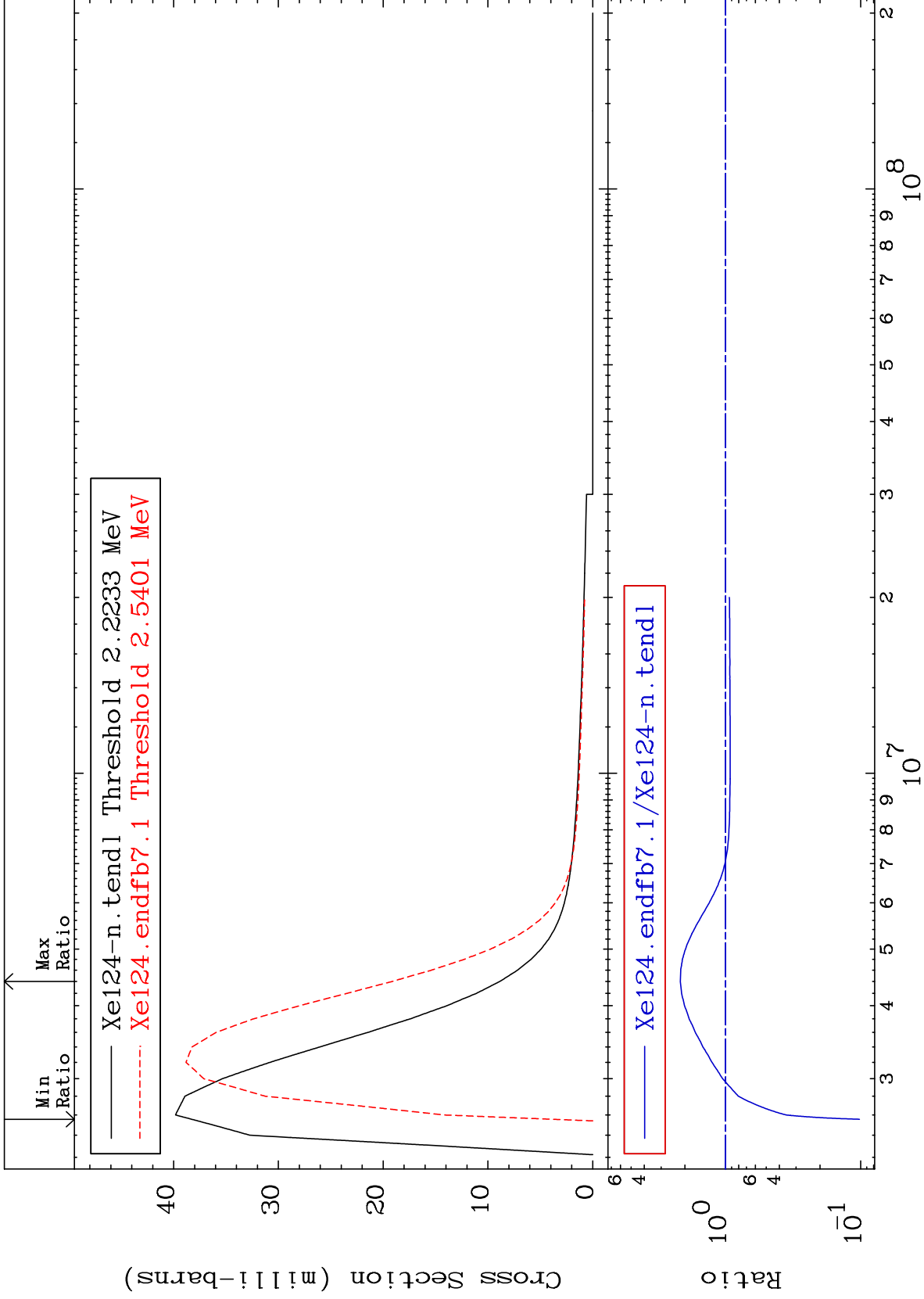
54-Xe-124
-99.90 To 9999. %



MAT 5425

2.205 MeV (n,n') Level
Cross Section

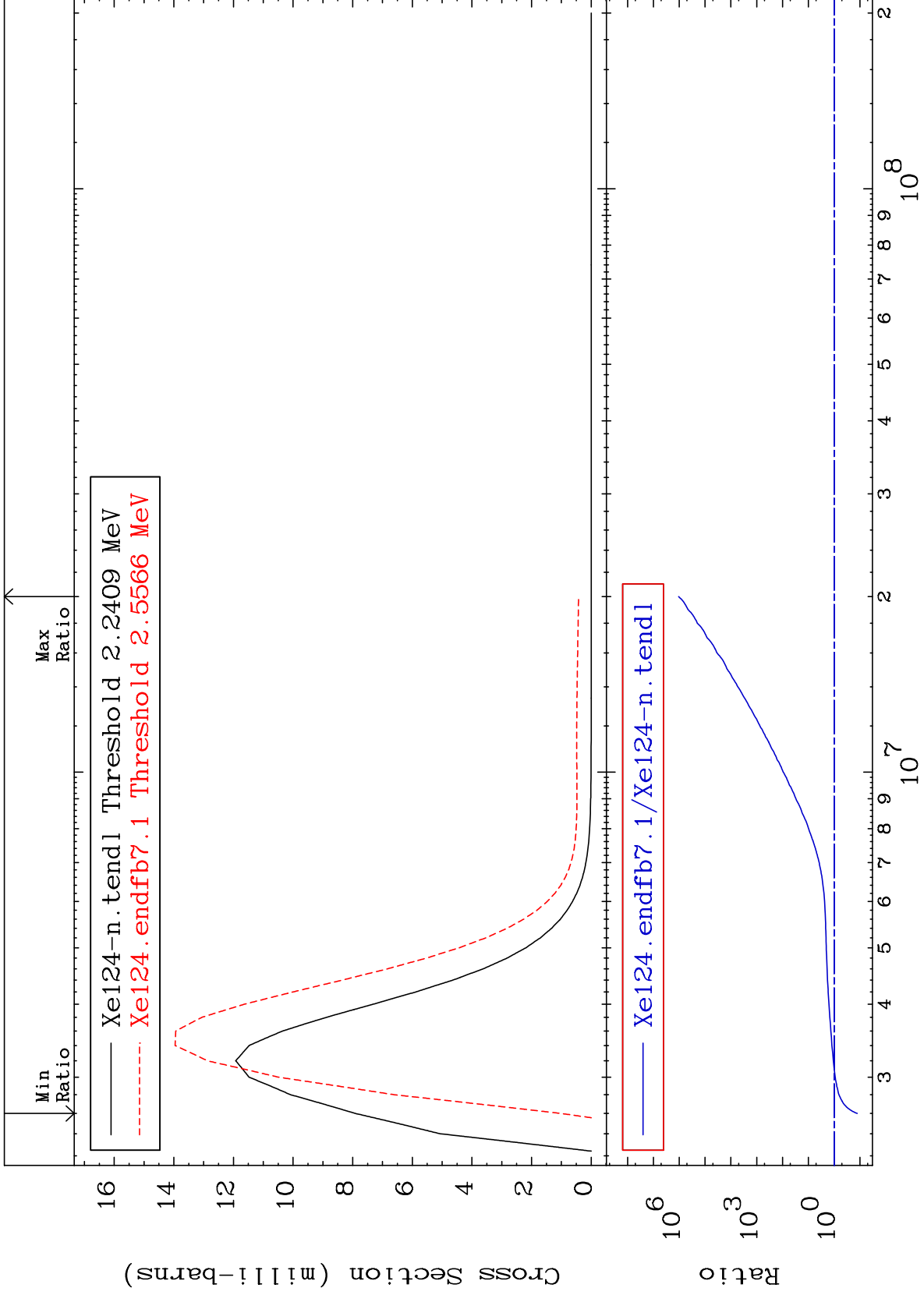
54-Xe-124
-89.80 To 115.9 %

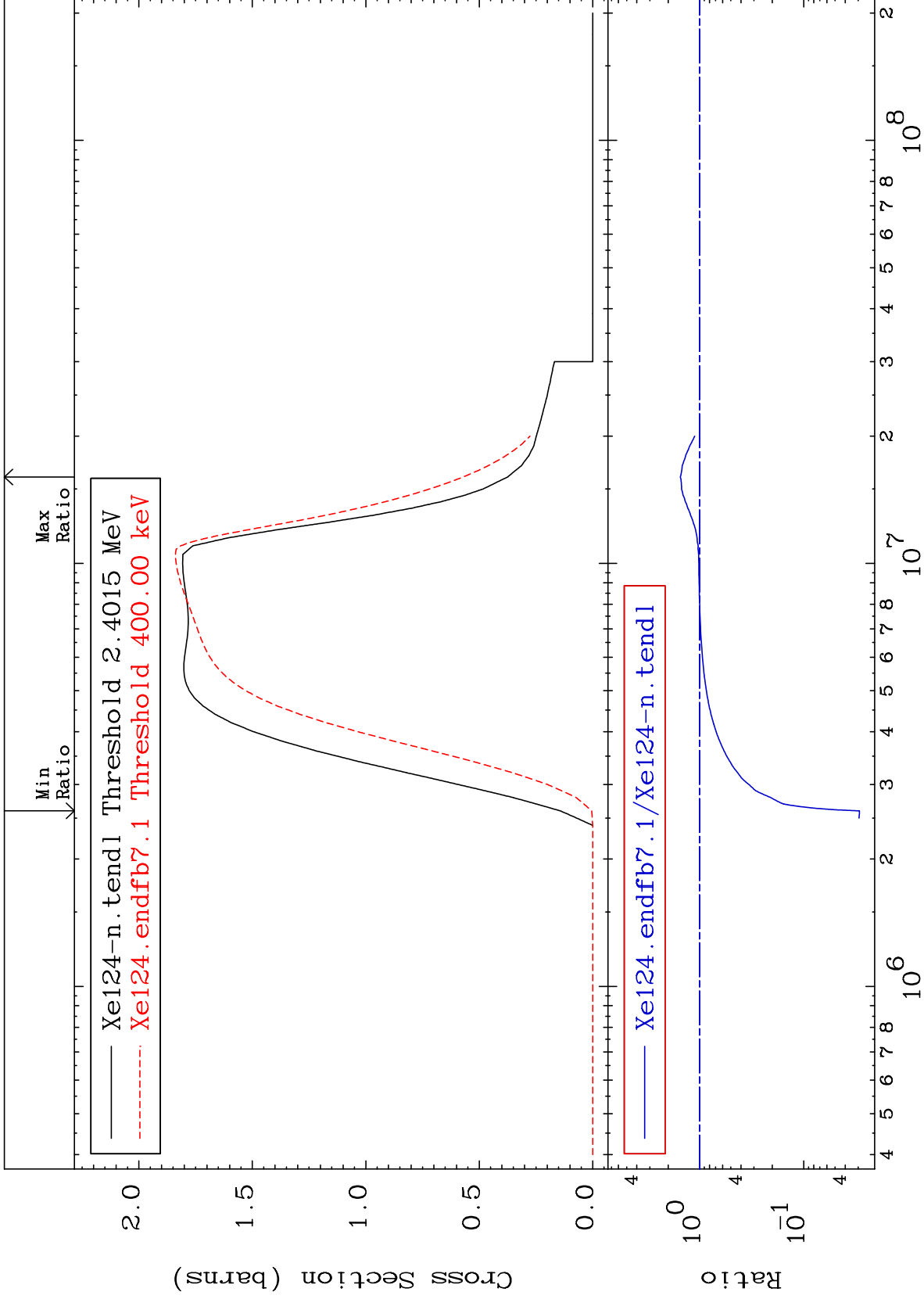


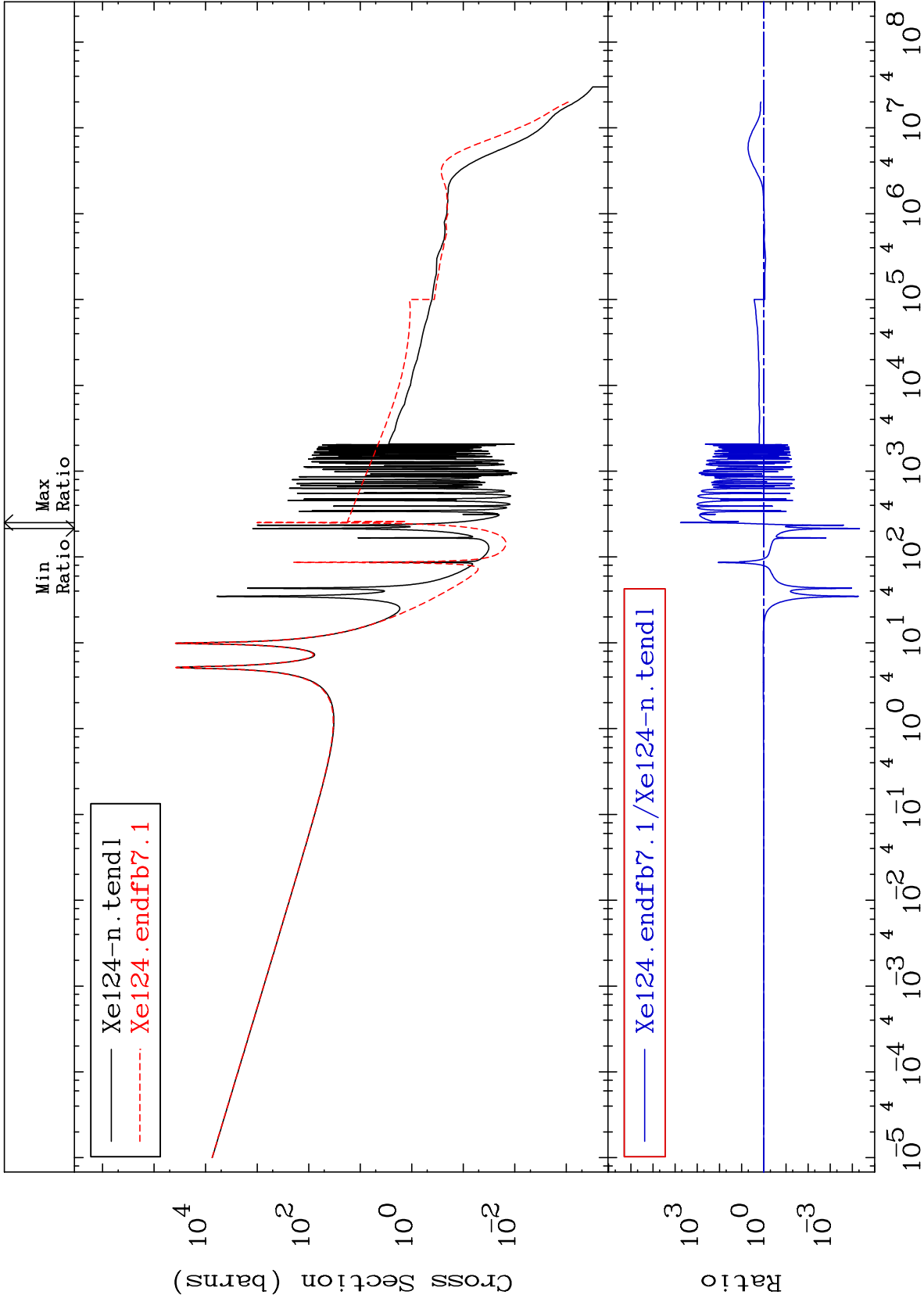
MAT 5425

2.223 MeV (n,n') Level
Cross Section

54-Xe-124
-87.26 To 9999. %



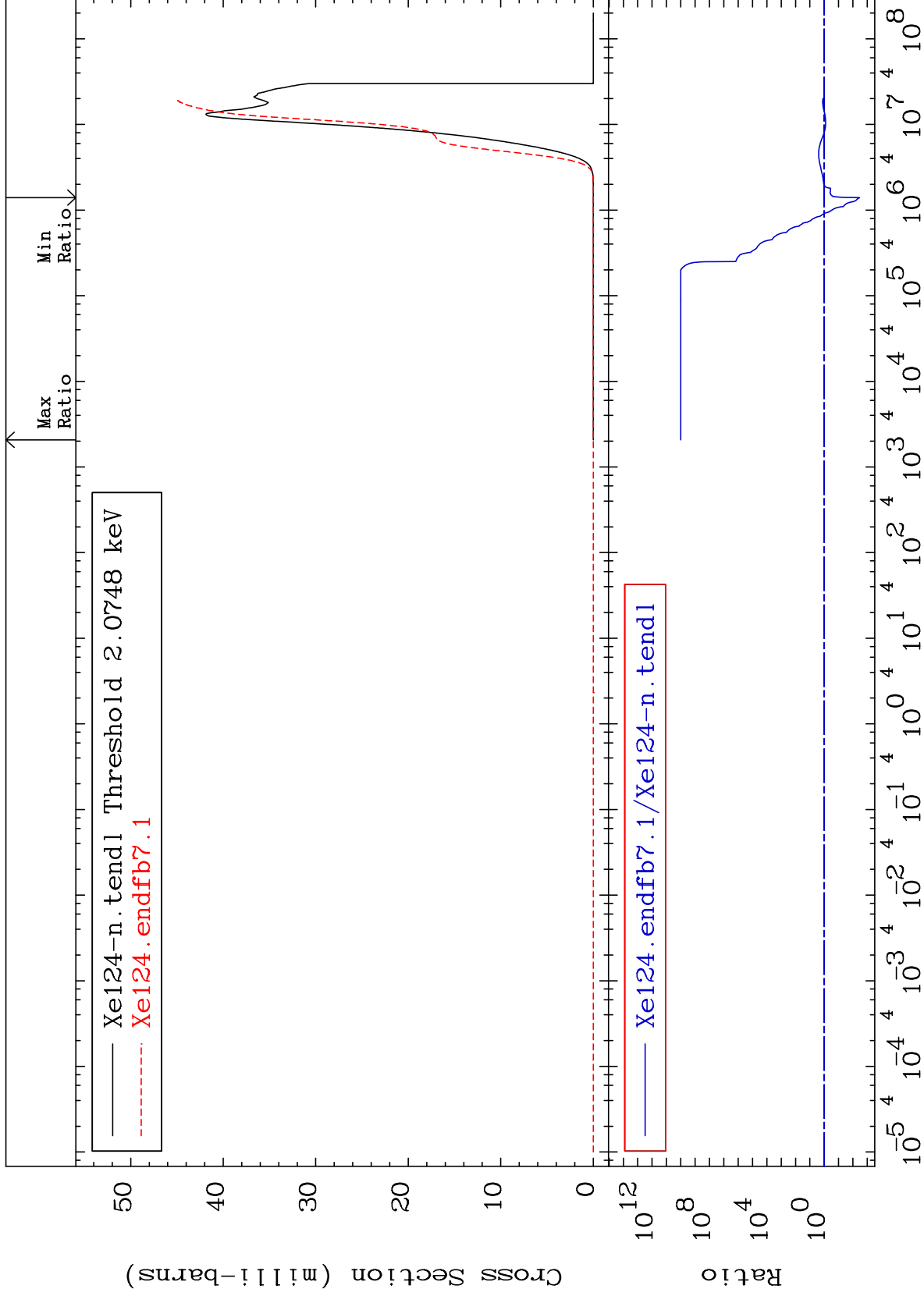




MAT 5425

(n, p)
Cross Section

54-Xe-124
-99.65 To 9999. %



30

Incident Energy (eV)

54-Xe-124

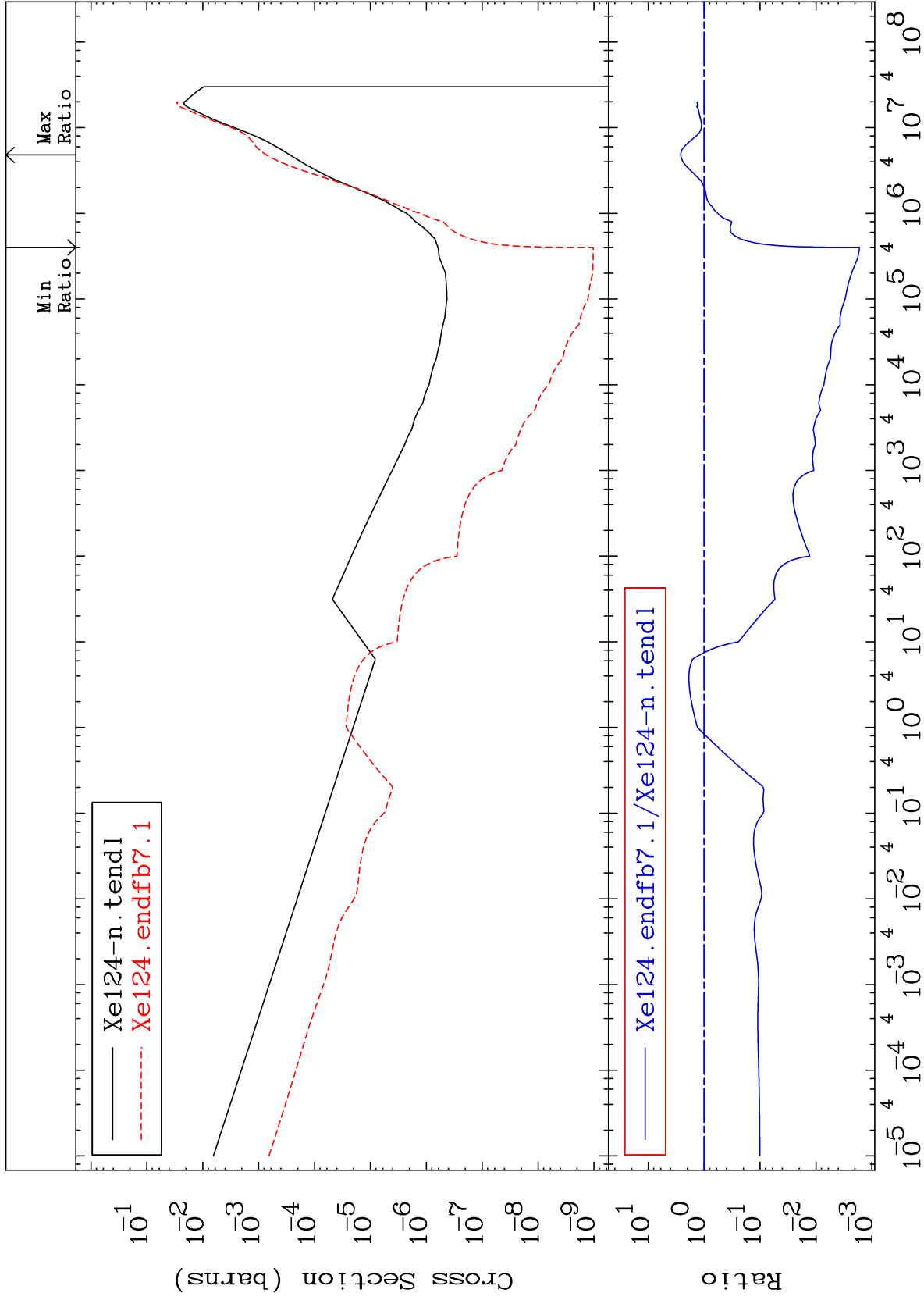
MAT 5425

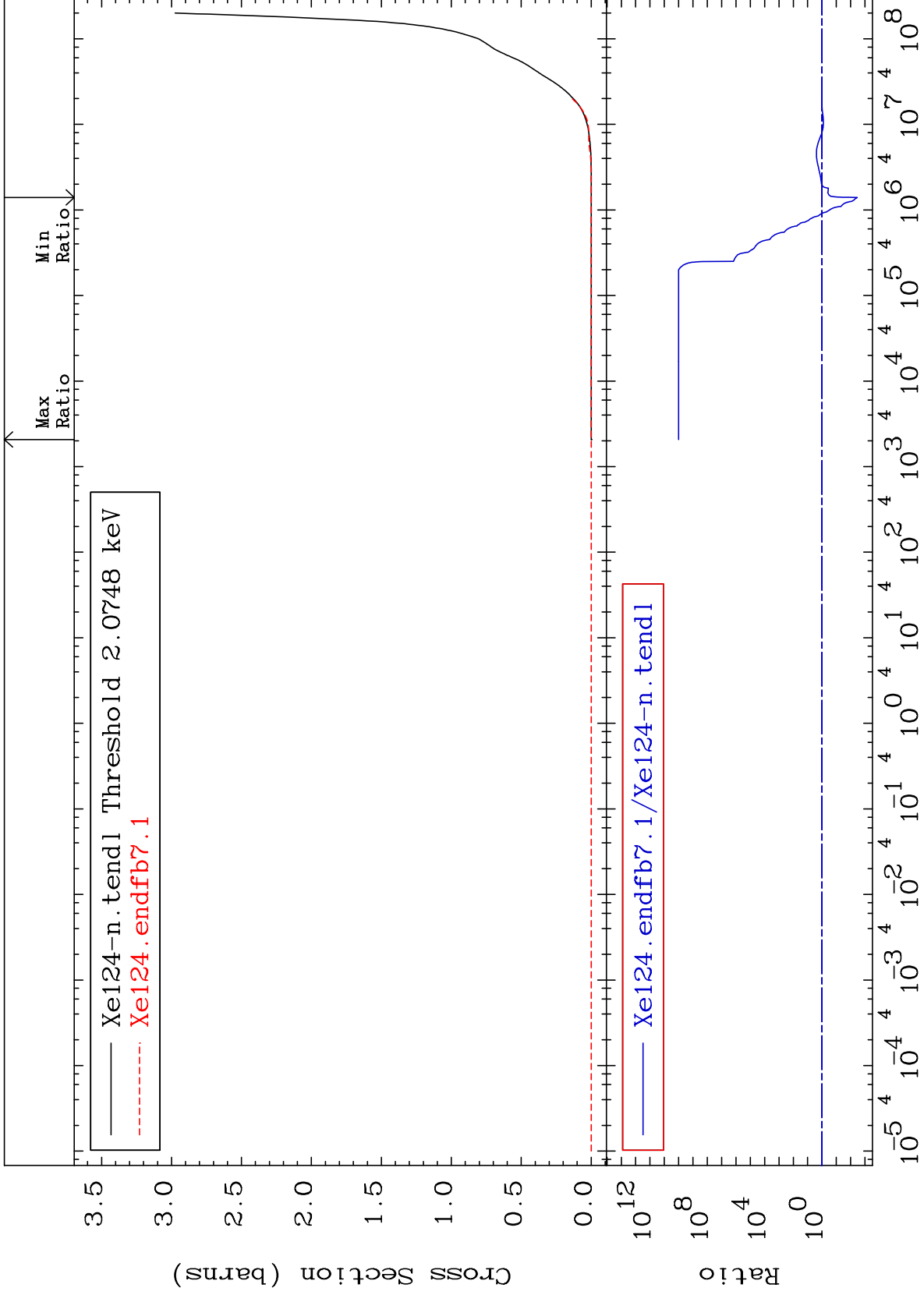
(n, α)

54-Xe-124

Cross Section

-99.83 To 162.9 %

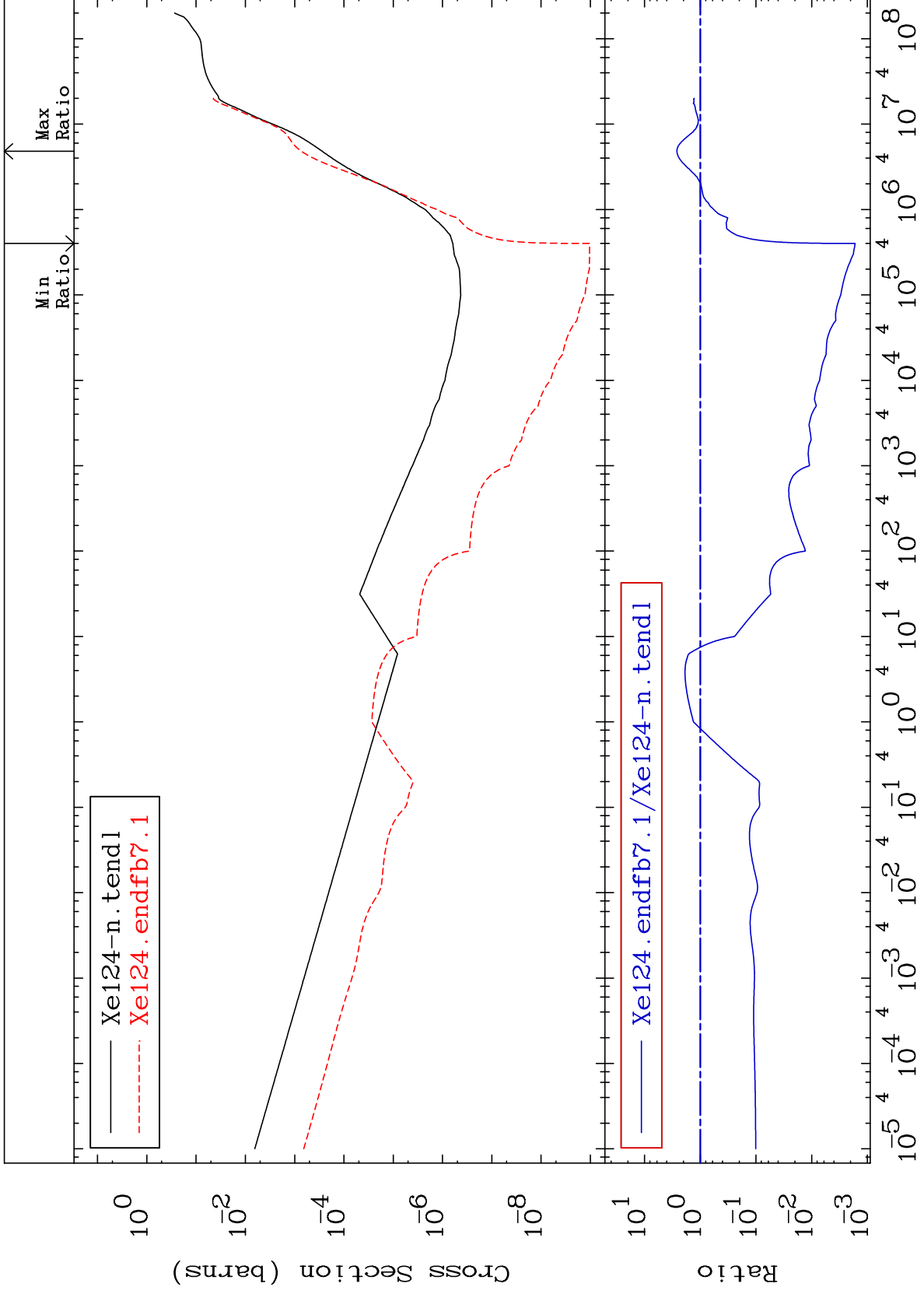


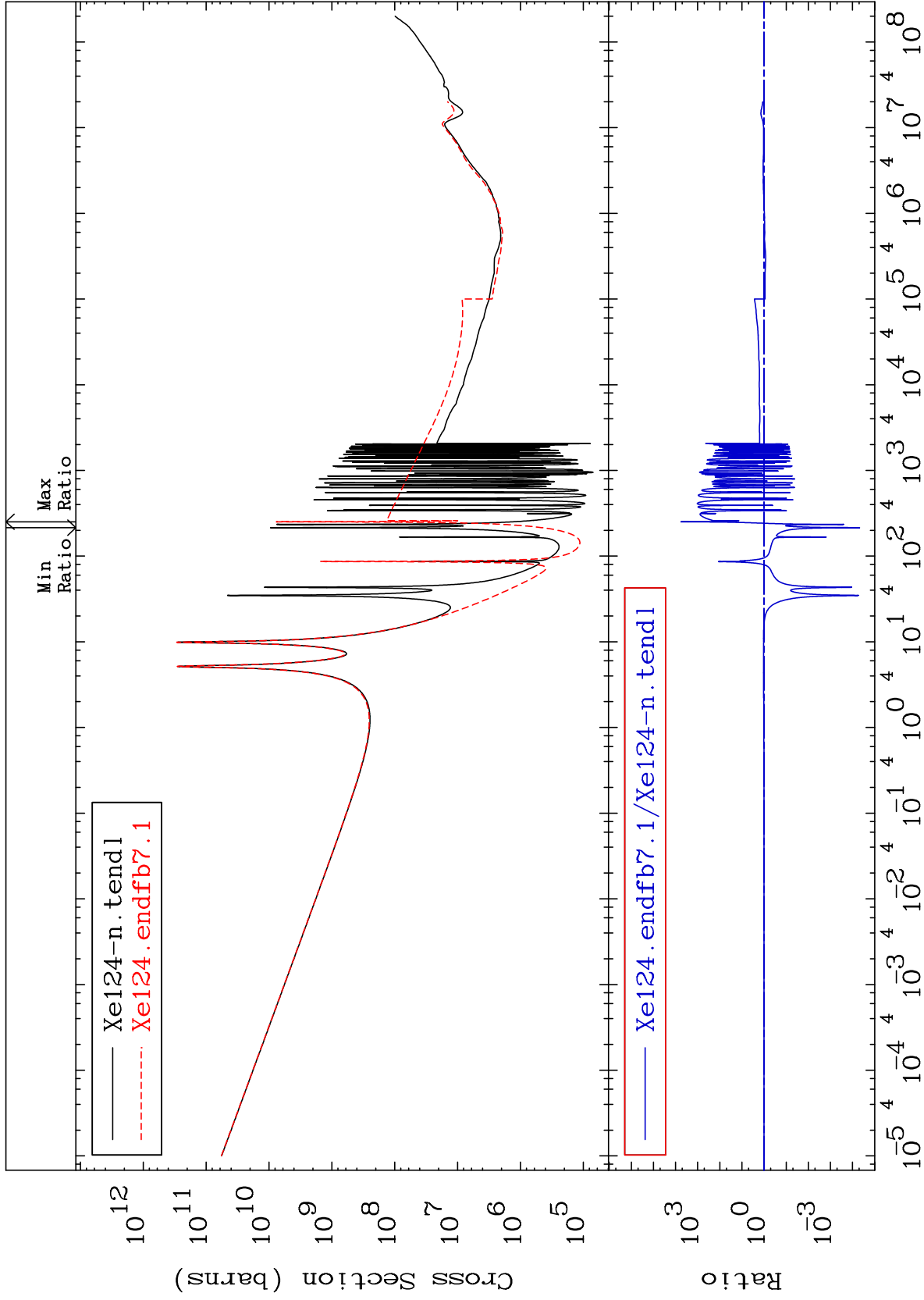


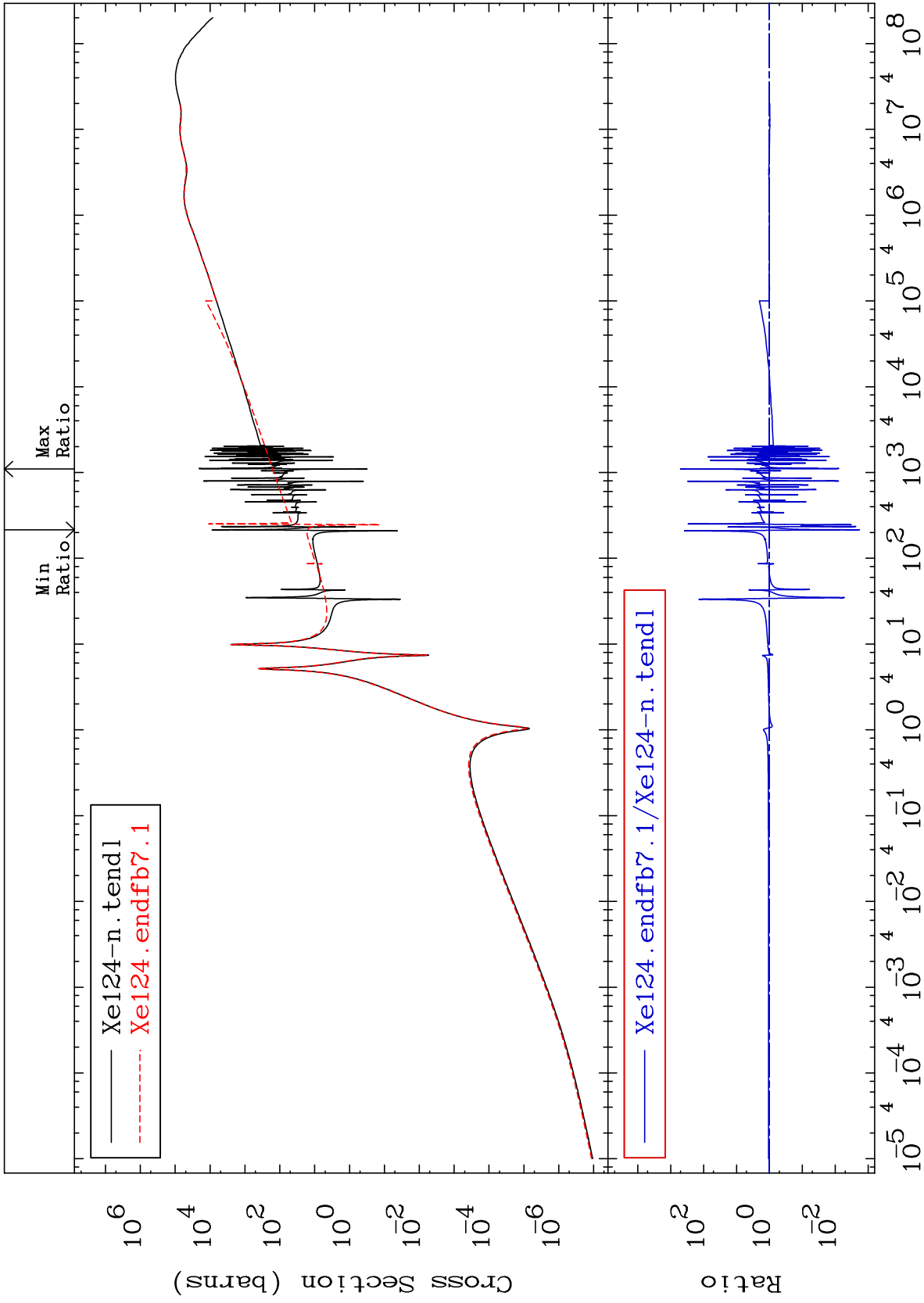
MAT 5425

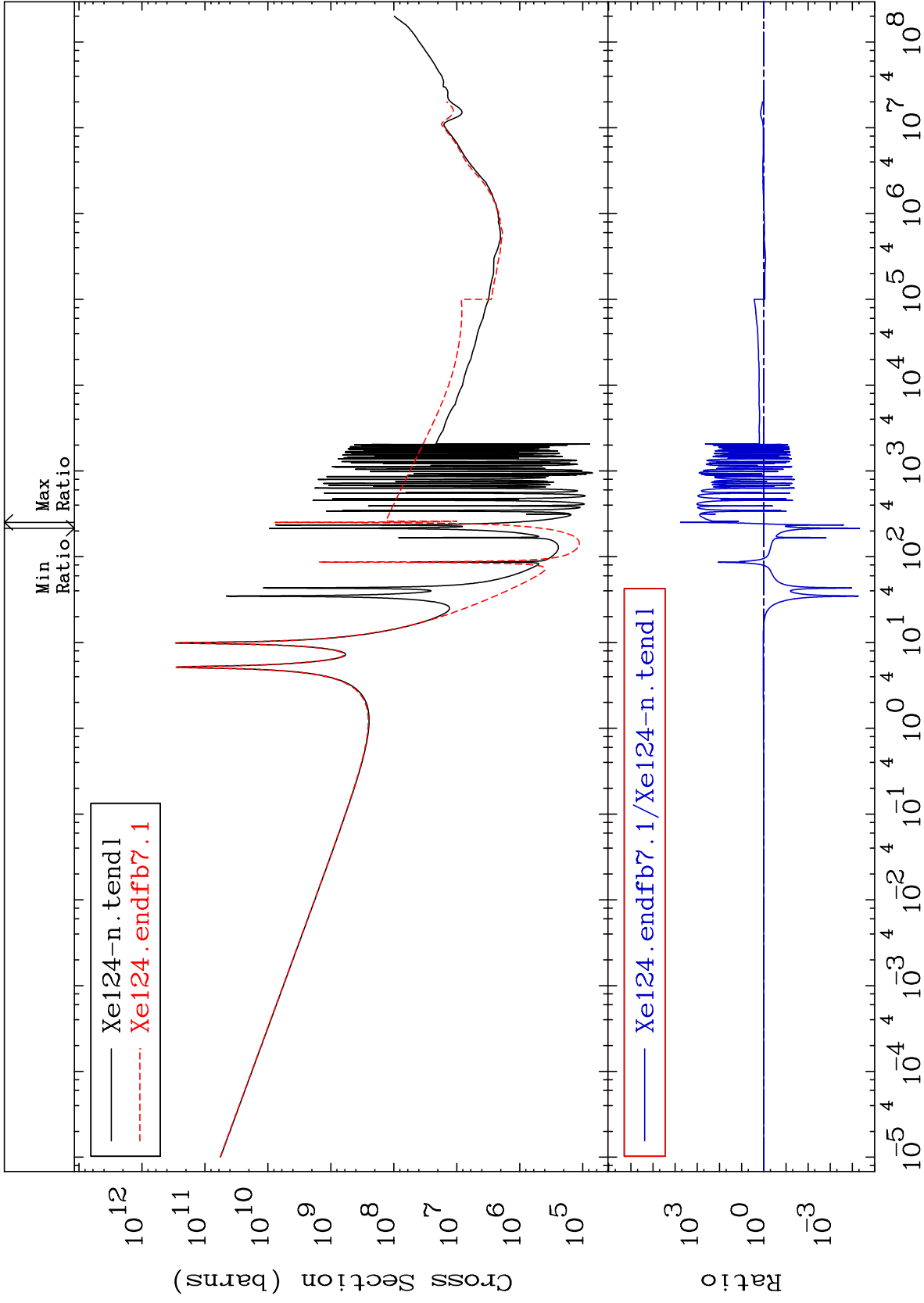
He-4 Production
Cross Section

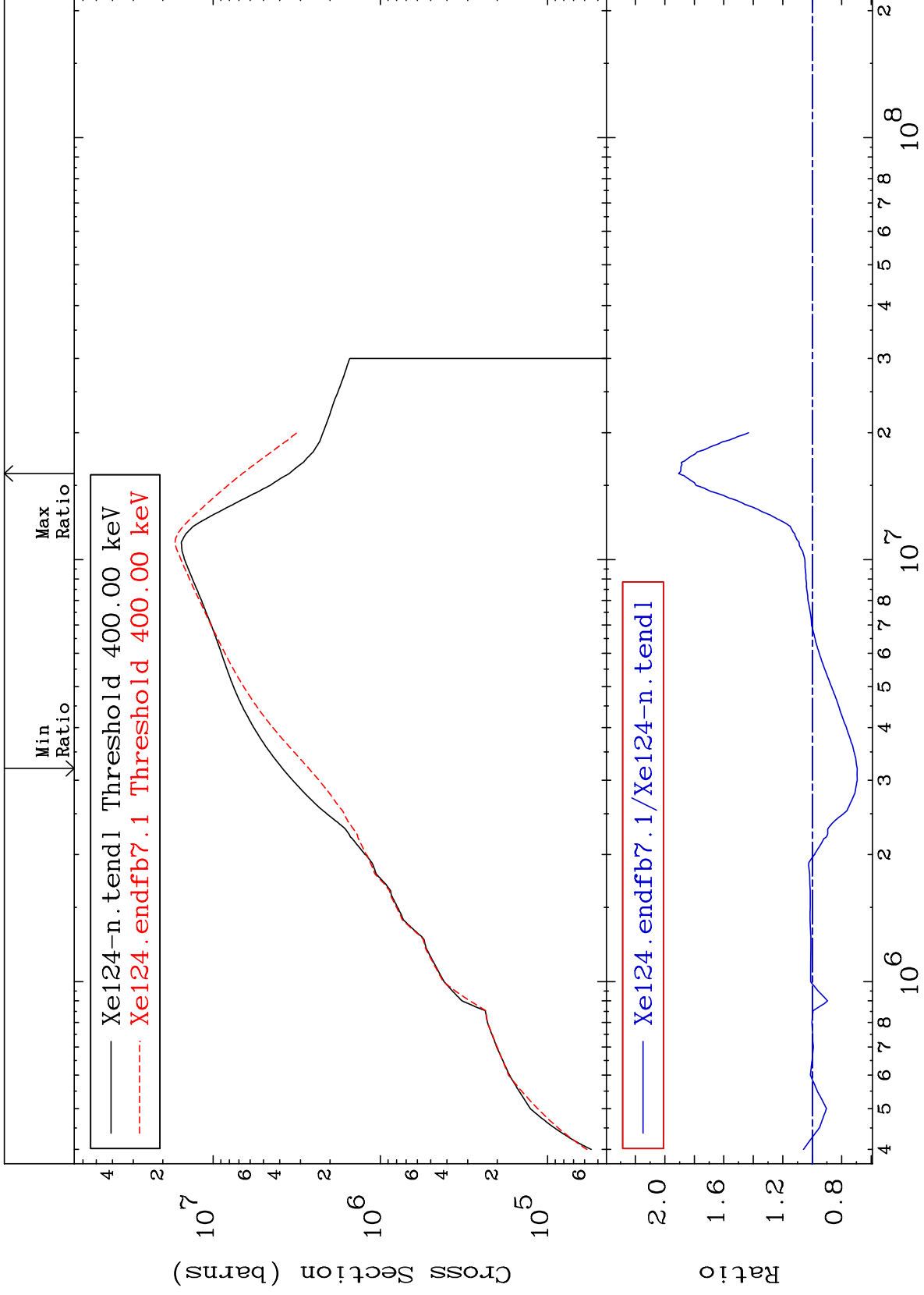
54-Xe-124
-99.83 To 162.9 %







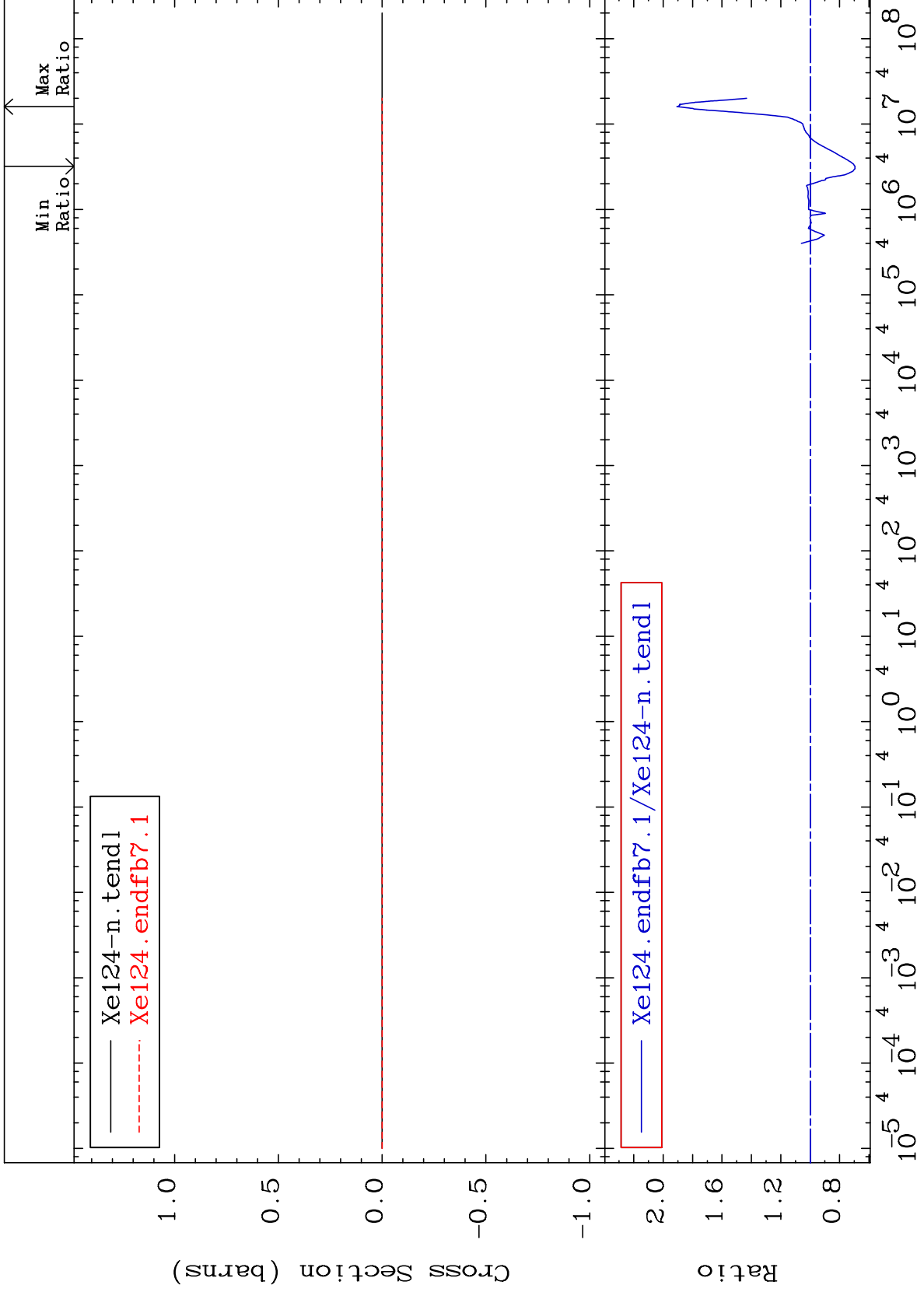


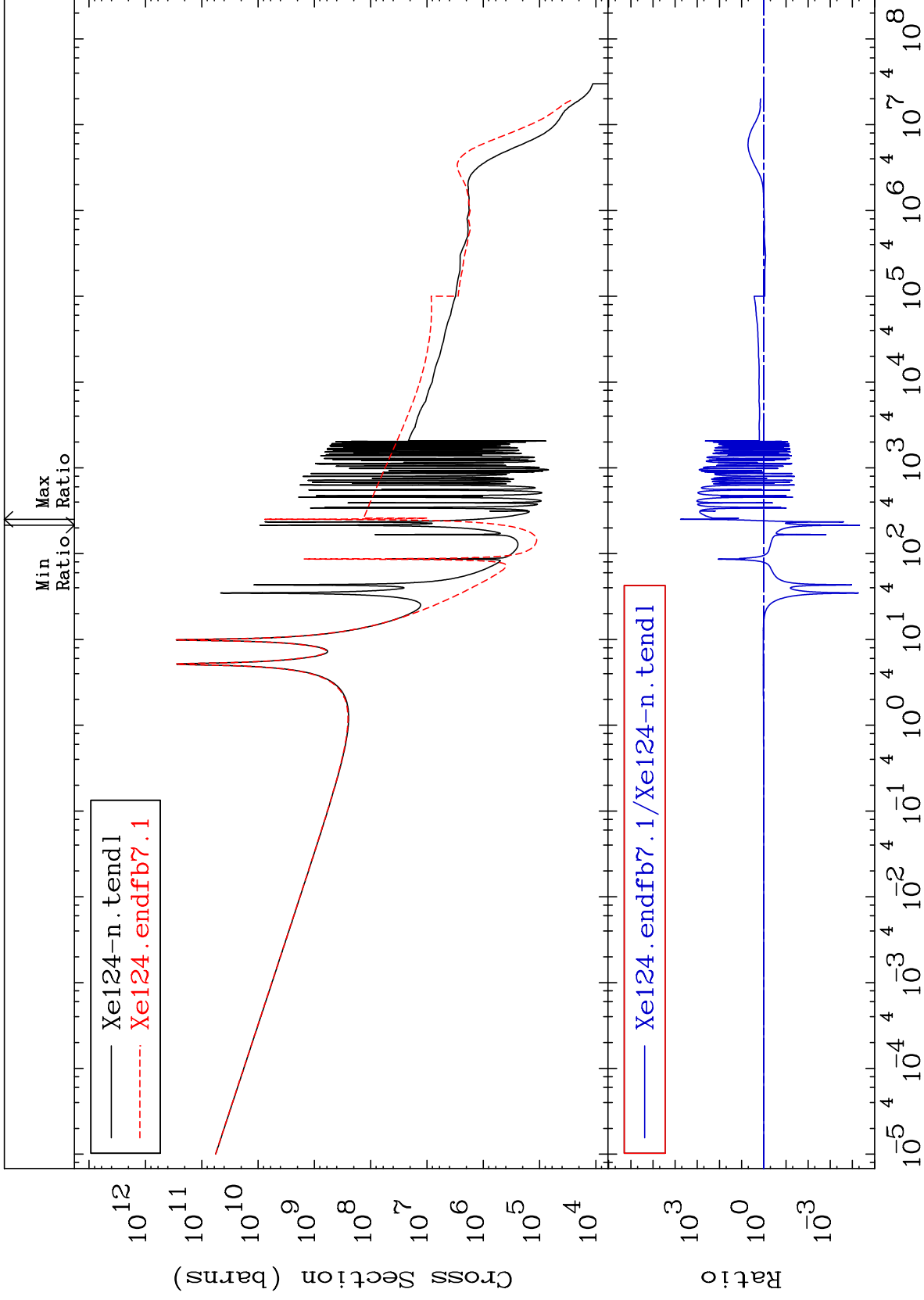


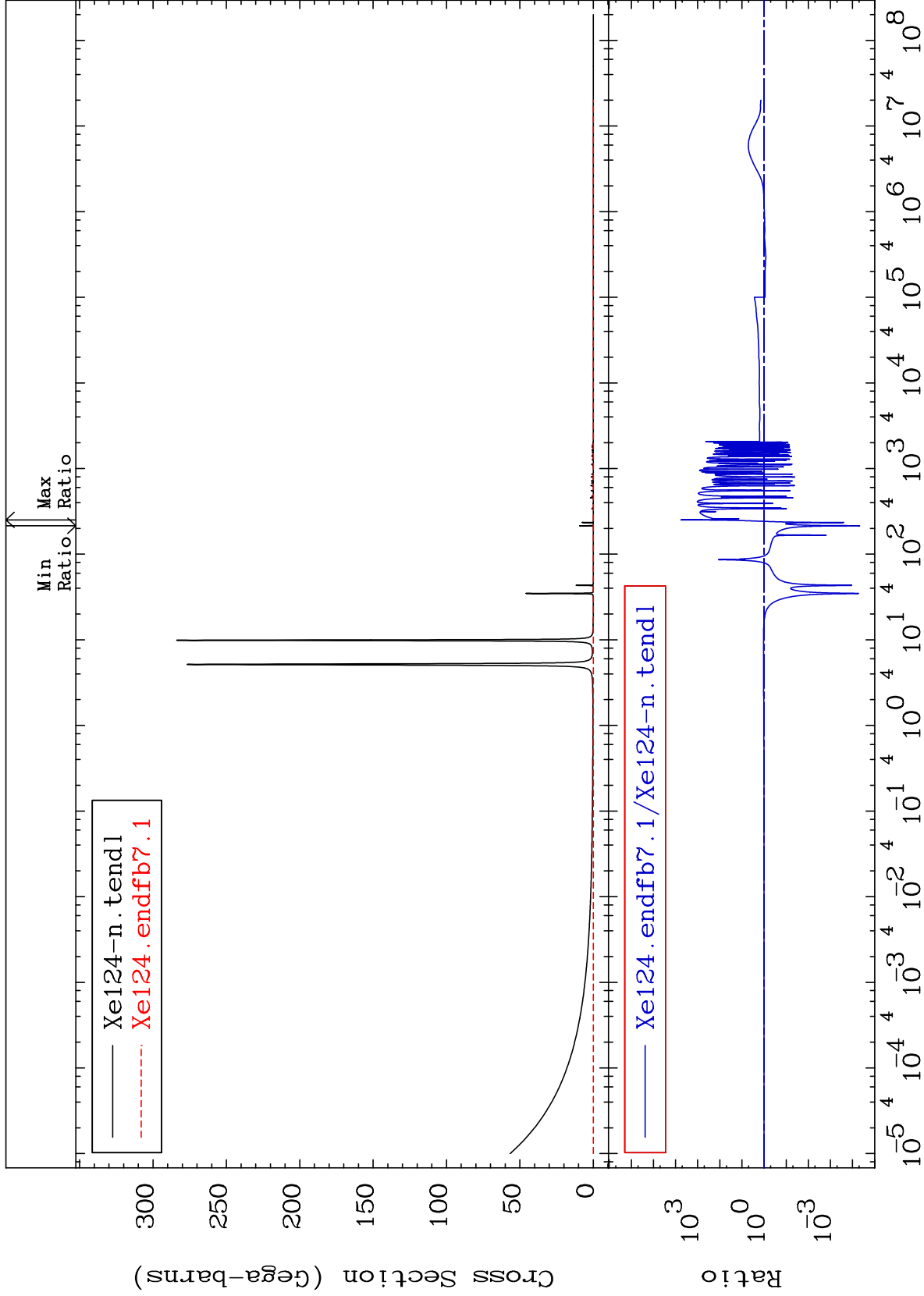
MAT 5425

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

54-Xe-124
-30.55 To 90.65 %



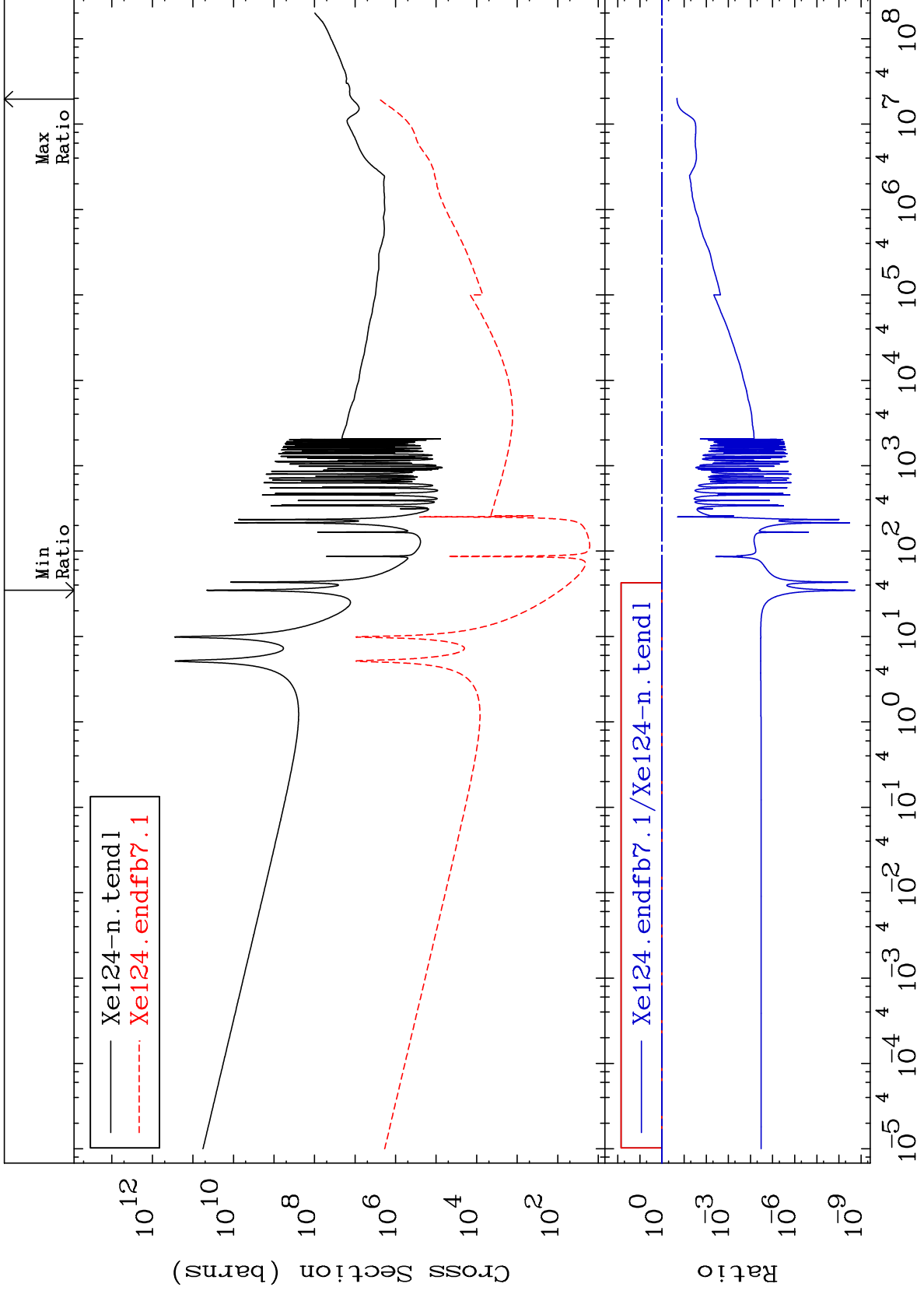


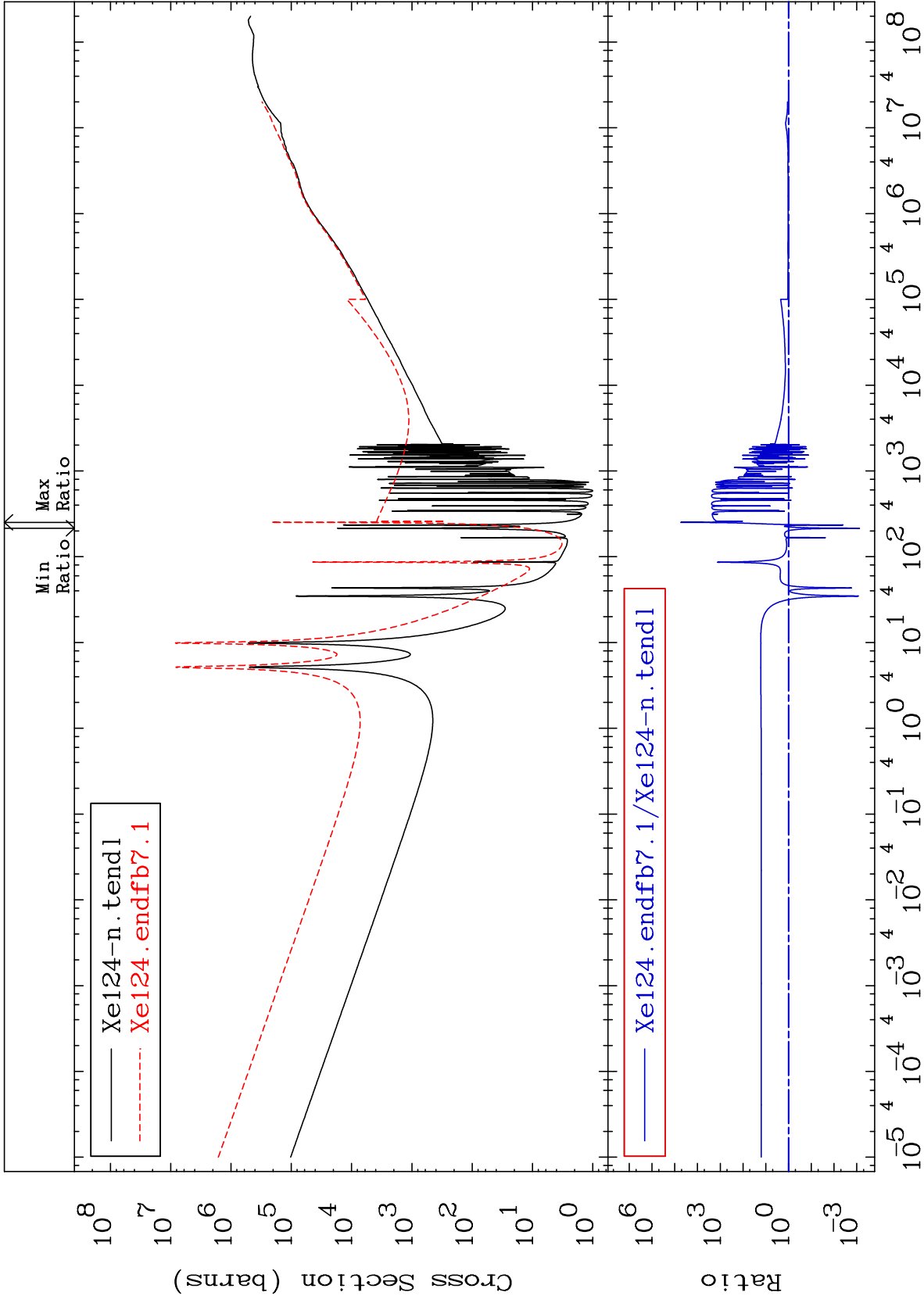


MAT 5425

Total kinematic kerma (high limit)
Cross Section

54-Xe-124
-100.0 To -78.81%

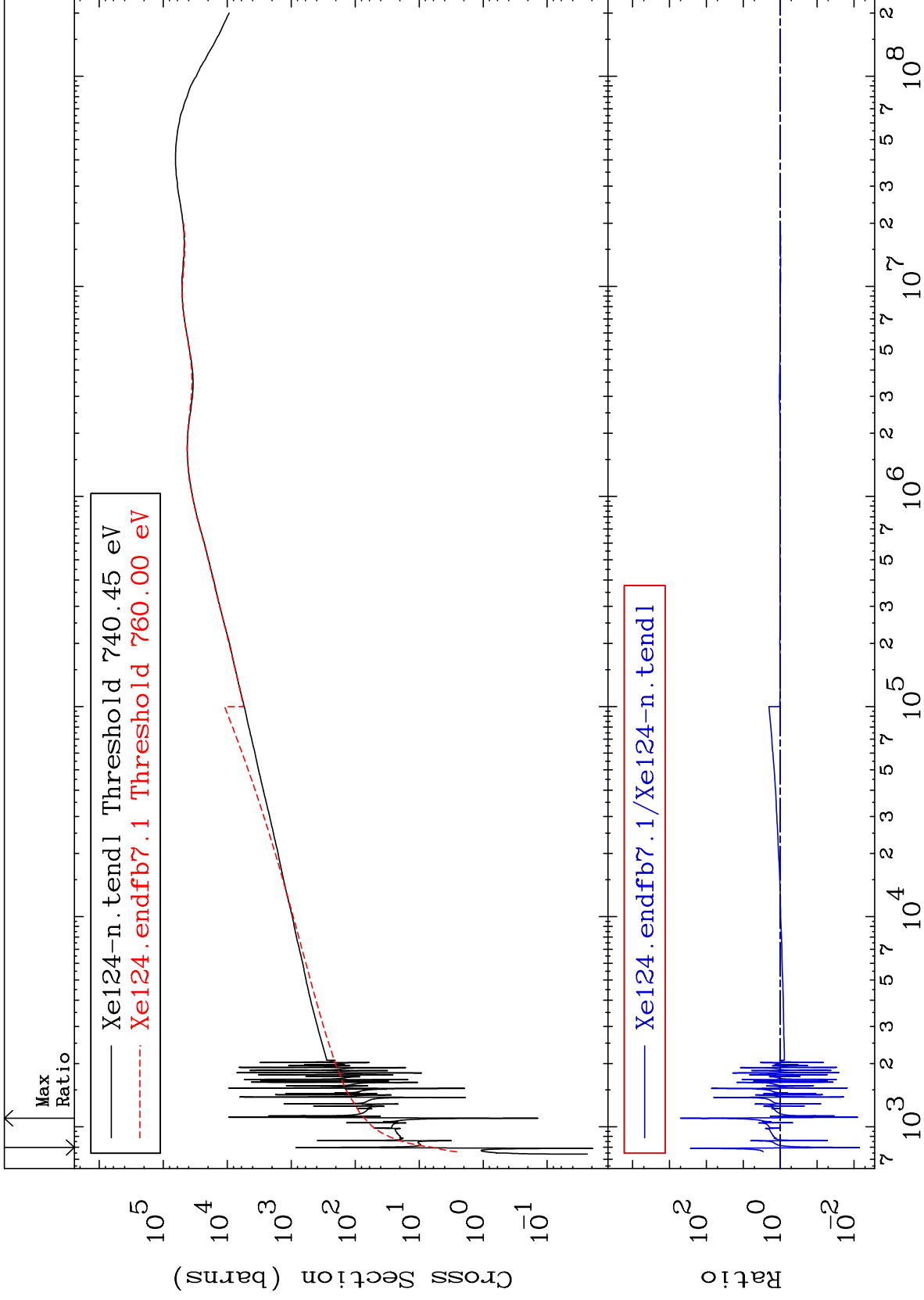




MAT 5425

Dpa elastic (mt2)
Cross Section

54-Xe-124
-99.29 To 9999. %



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Incident Energy (eV)

54-Xe-124

