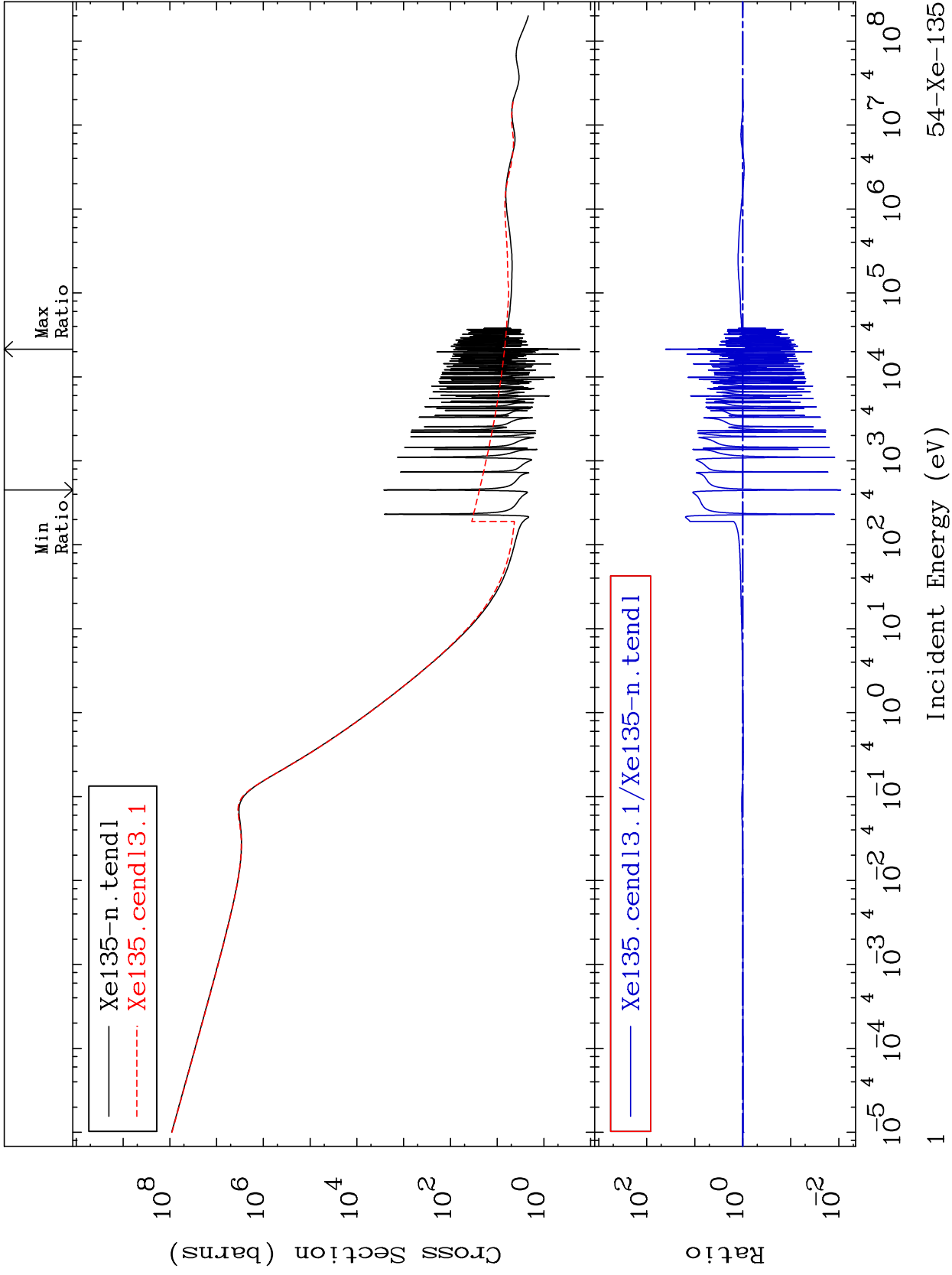


MAT 5458

Total Cross Section  
54-Xe-135  
-99.09 To 3967. %

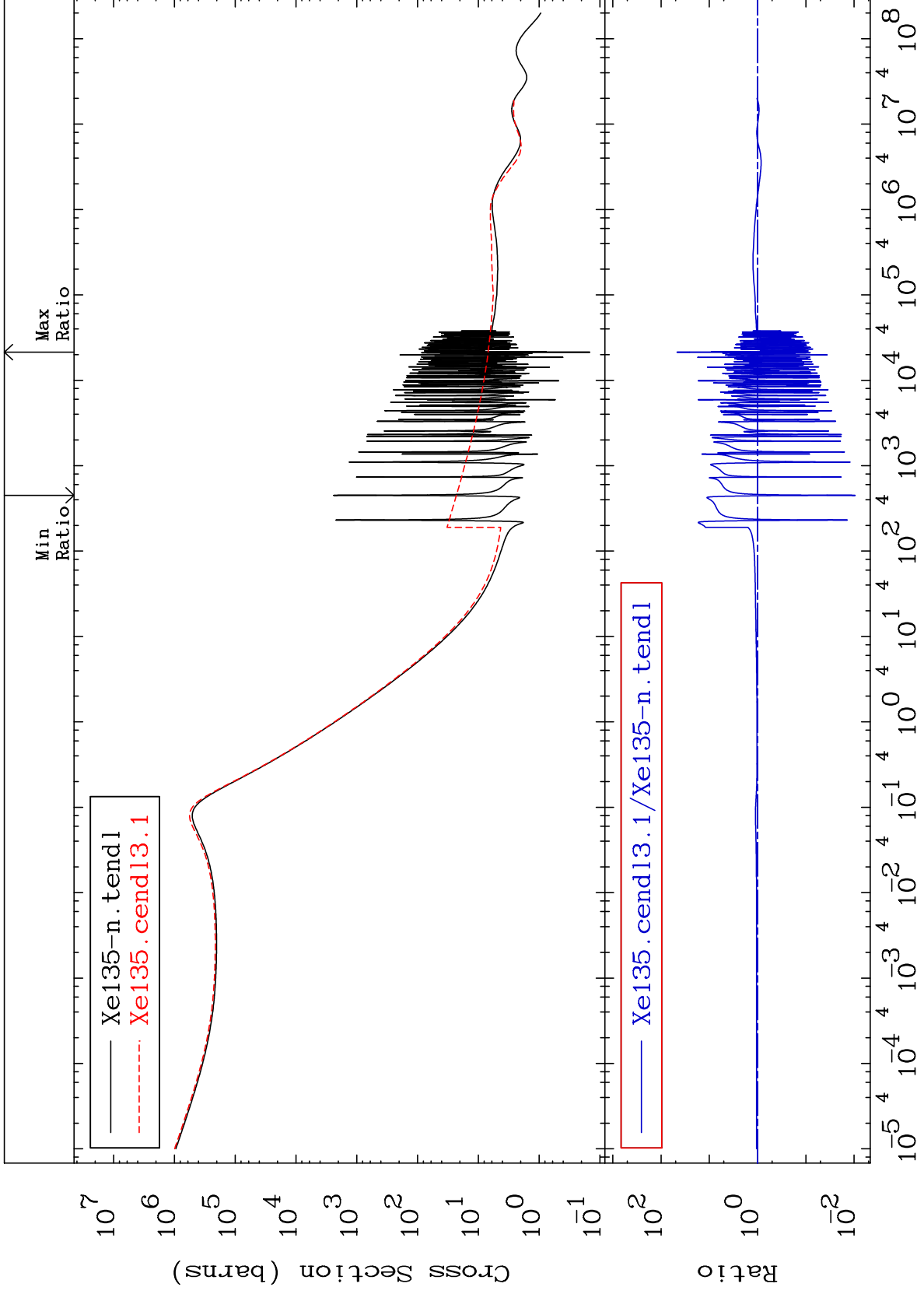


54-Xe-135

MAT 5458

Elastic  
Cross Section

54-Xe-135  
-99.05 To 4595. %



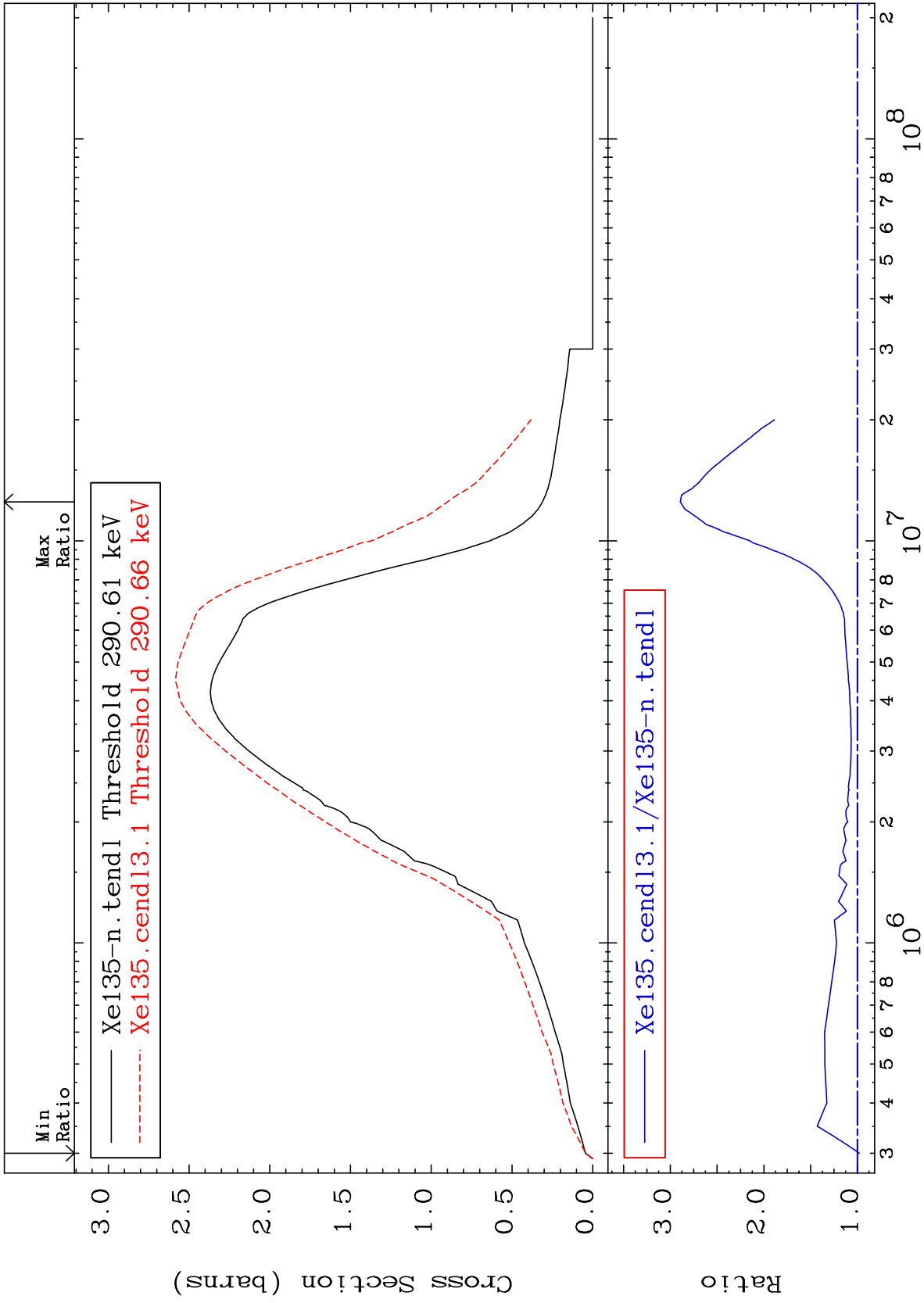
Incident Energy (eV)

54-Xe-135

2

MAT 5458

Inelastic Cross Section  
54-Xe-135  
-2.140 To 189.3 %



3

Incident Energy (eV)

54-Xe-135

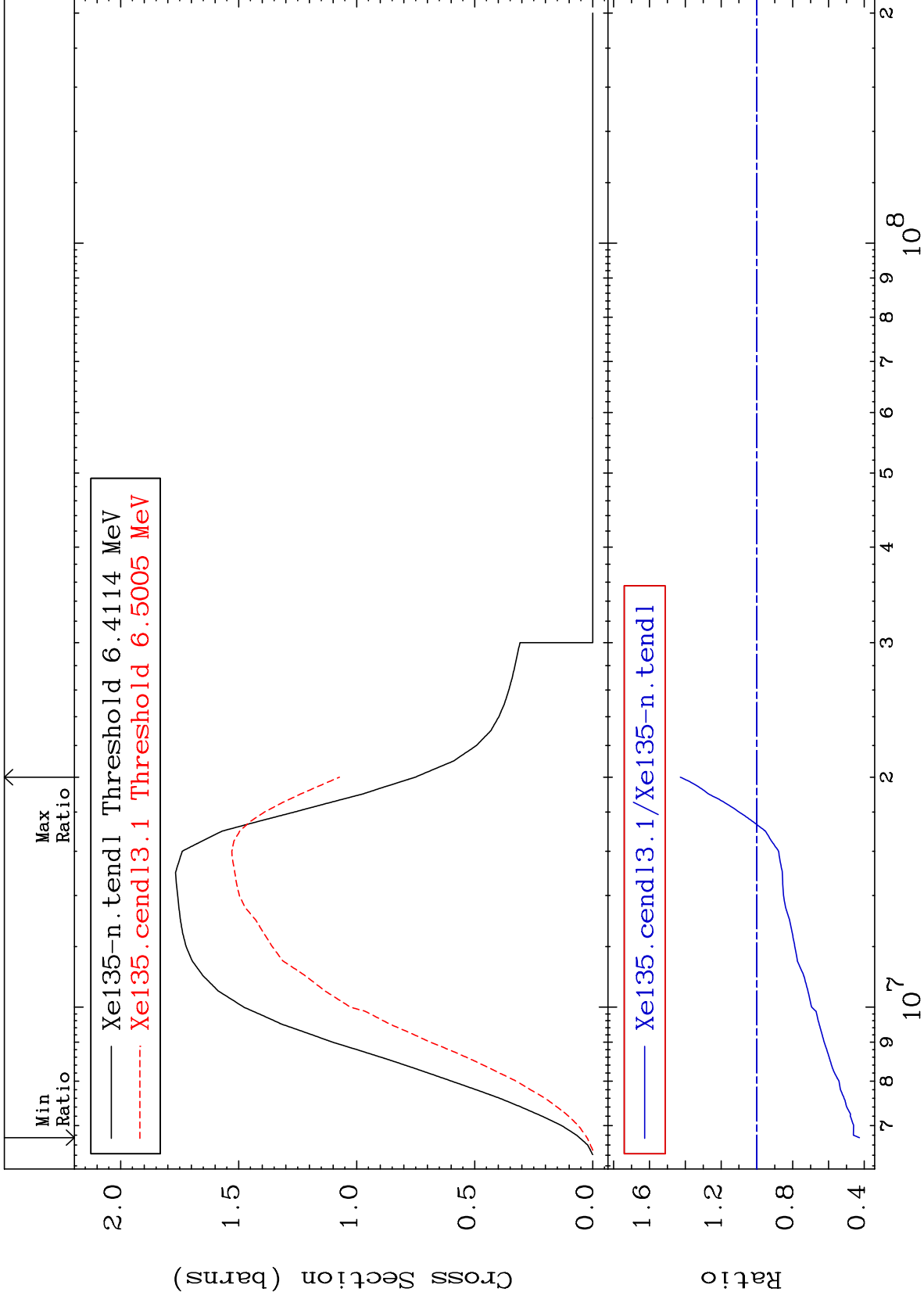
MAT 5458

(n,2n)

54-Xe-135

Cross Section

-57.27 To 42.76 %



4

Incident Energy (eV)

54-Xe-135

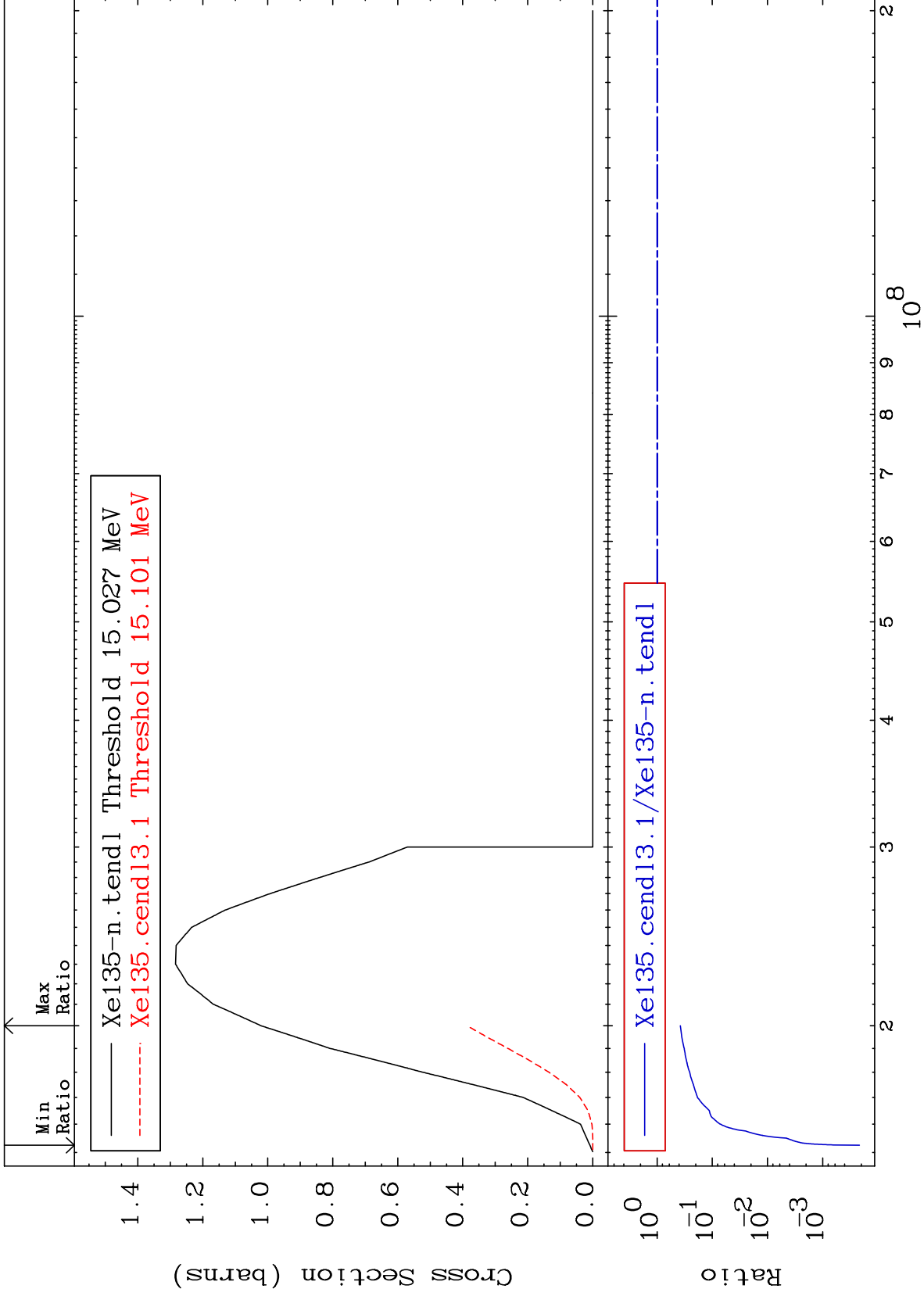
MAT 5458

(n,3n)

54-Xe-135

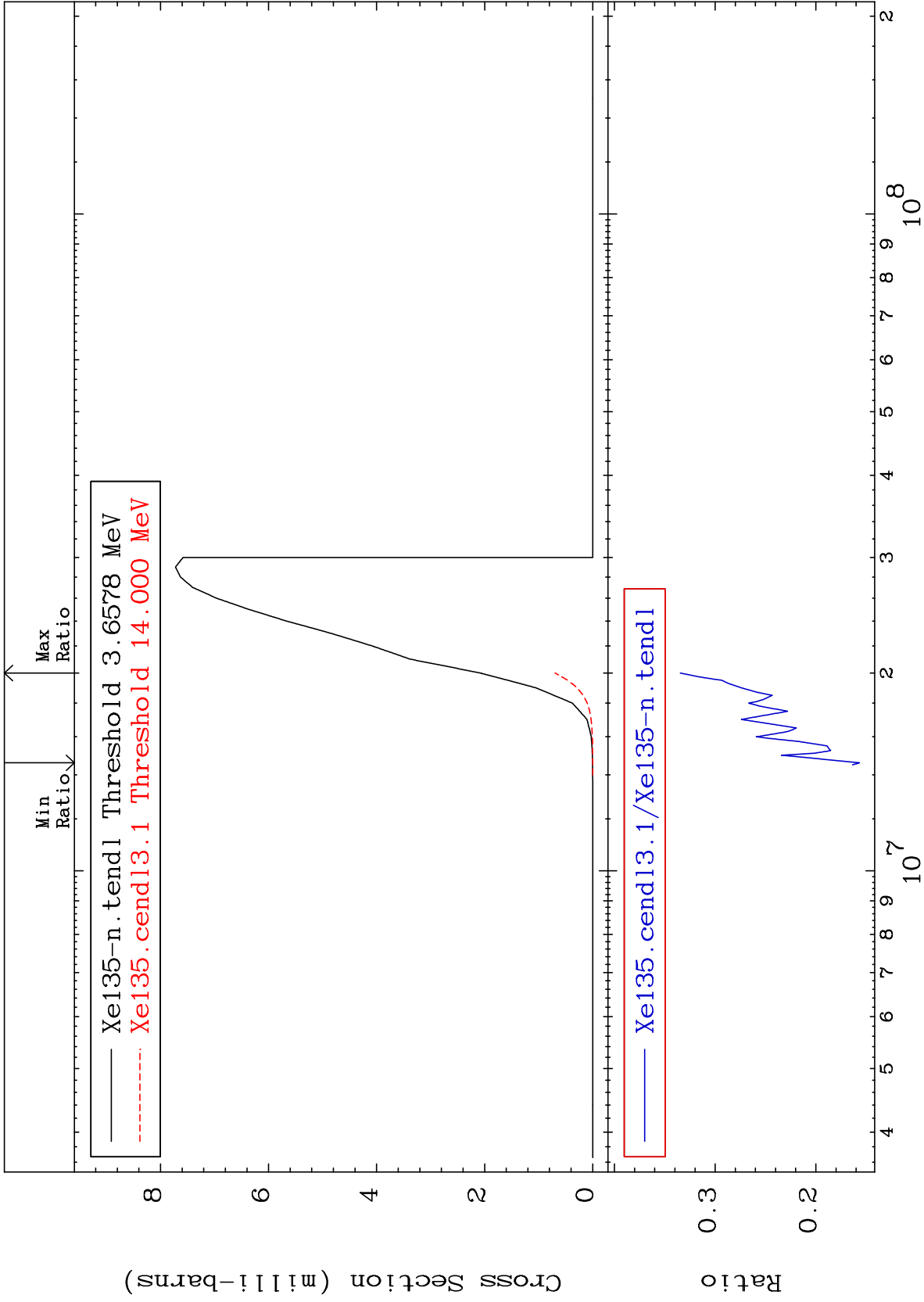
Cross Section

-99.98 To -62.12%



MAT 5458

(n,n')  $\alpha$  Cross Section  
54-Xe-135  
-84.33 To -66.54%



6

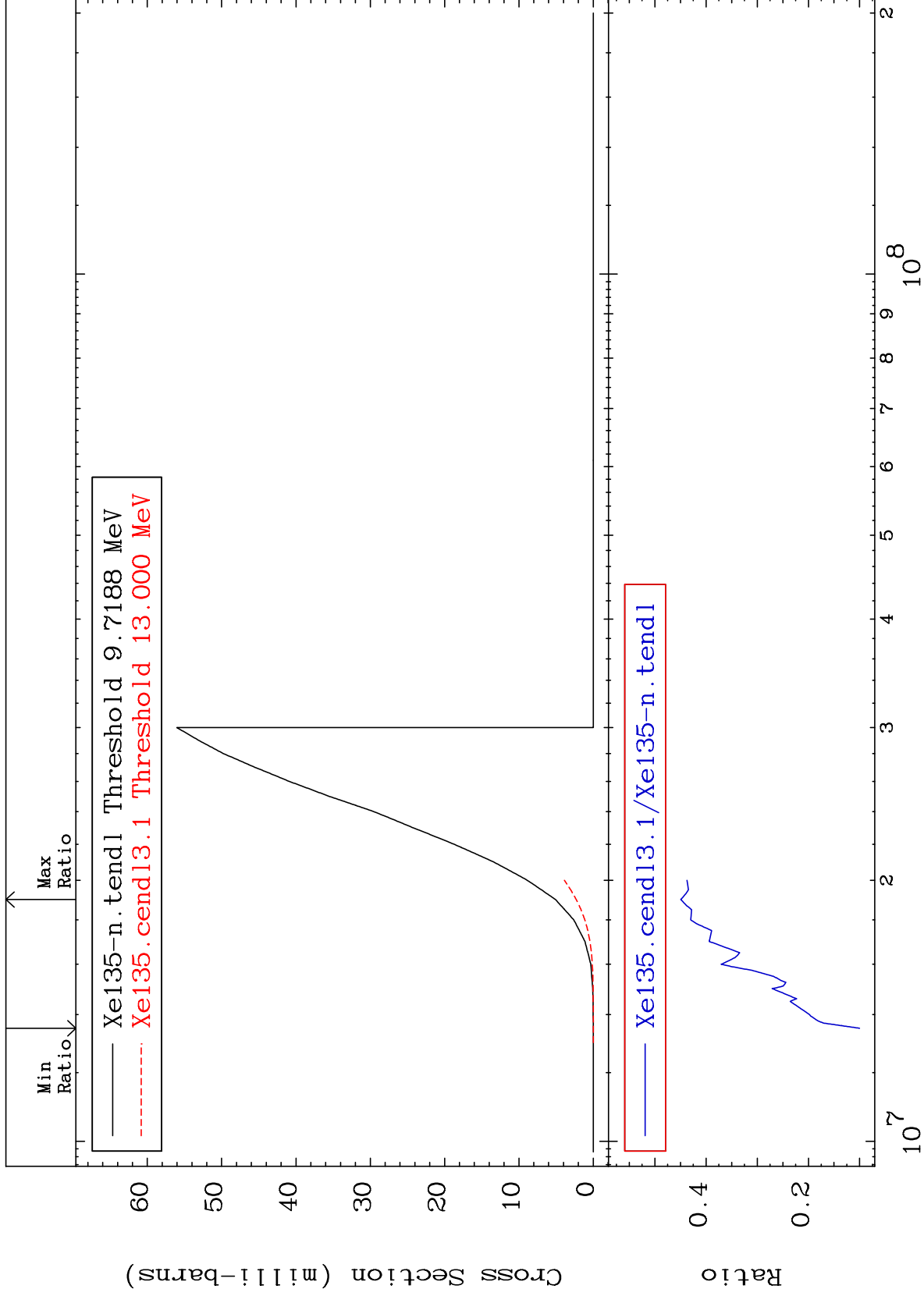
Incident Energy (eV)

54-Xe-135

MAT 5458

(n,n') p  
Cross Section

54-Xe-135  
-89.98 To -55.06%

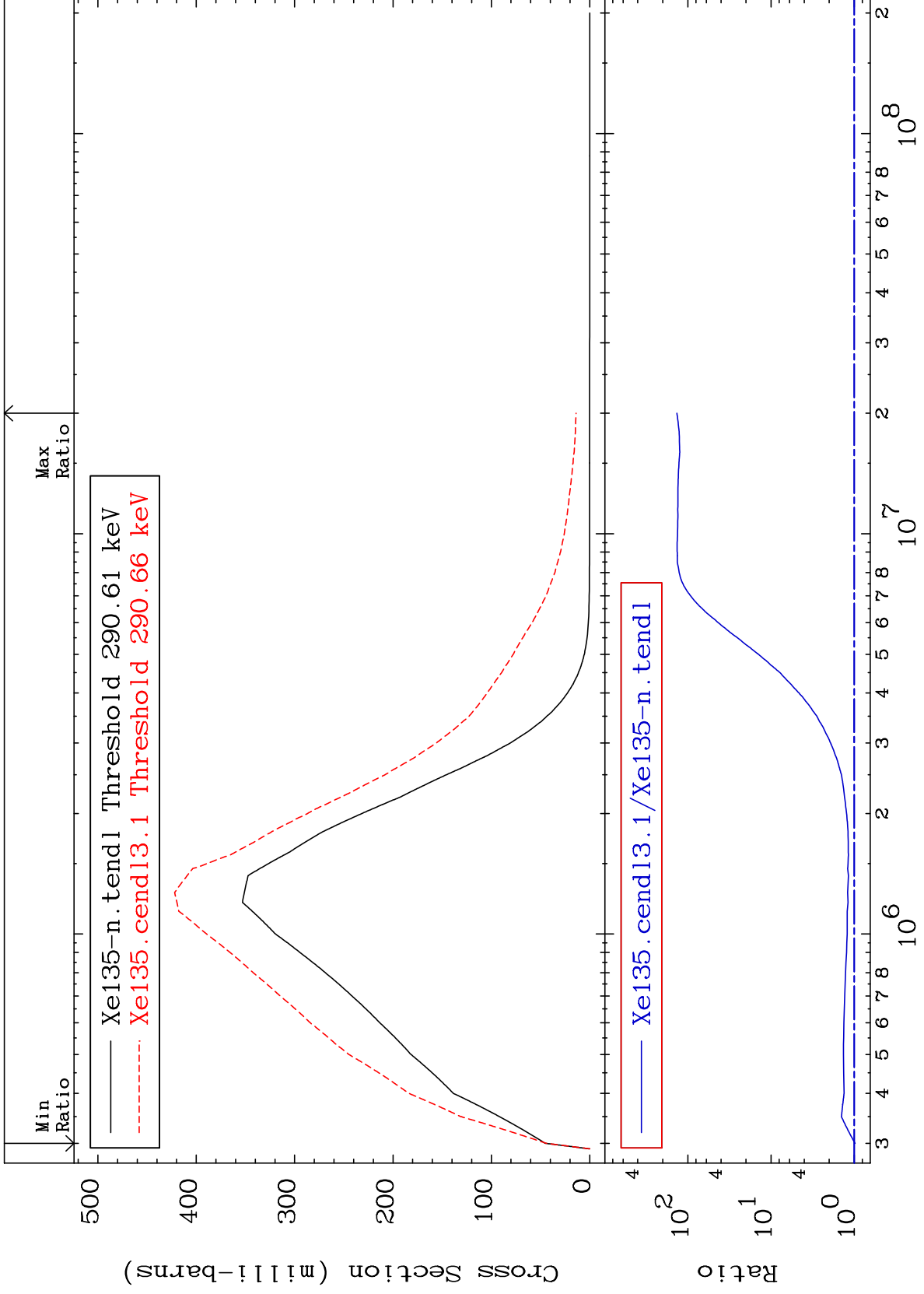


54-Xe-135

MAT 5458

288.5 keV (n,n') Level  
Cross Section

54-Xe-135  
-2.140 To 9999. %

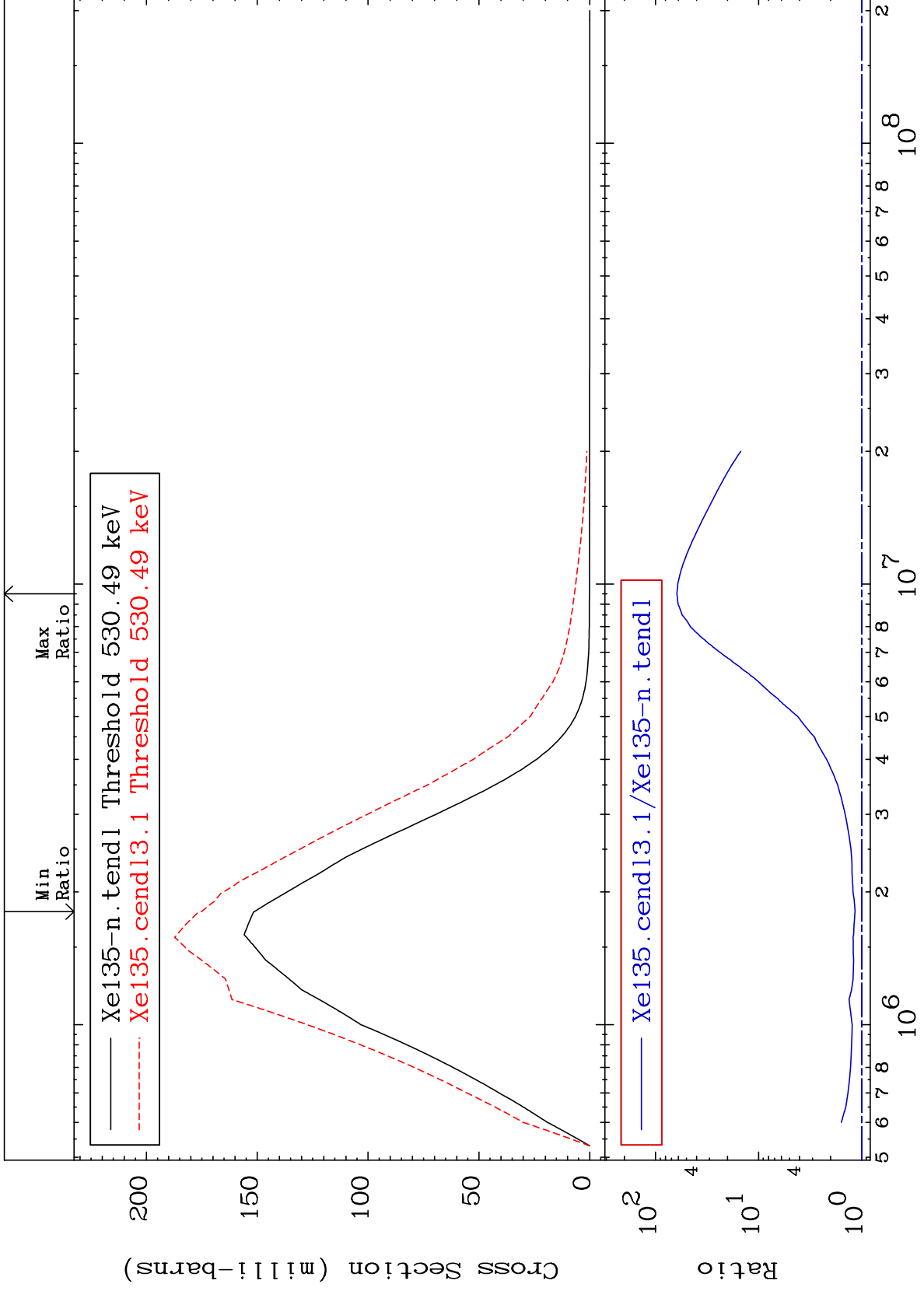




MAT 5458

526.6 keV (n,n') Level  
Cross Section

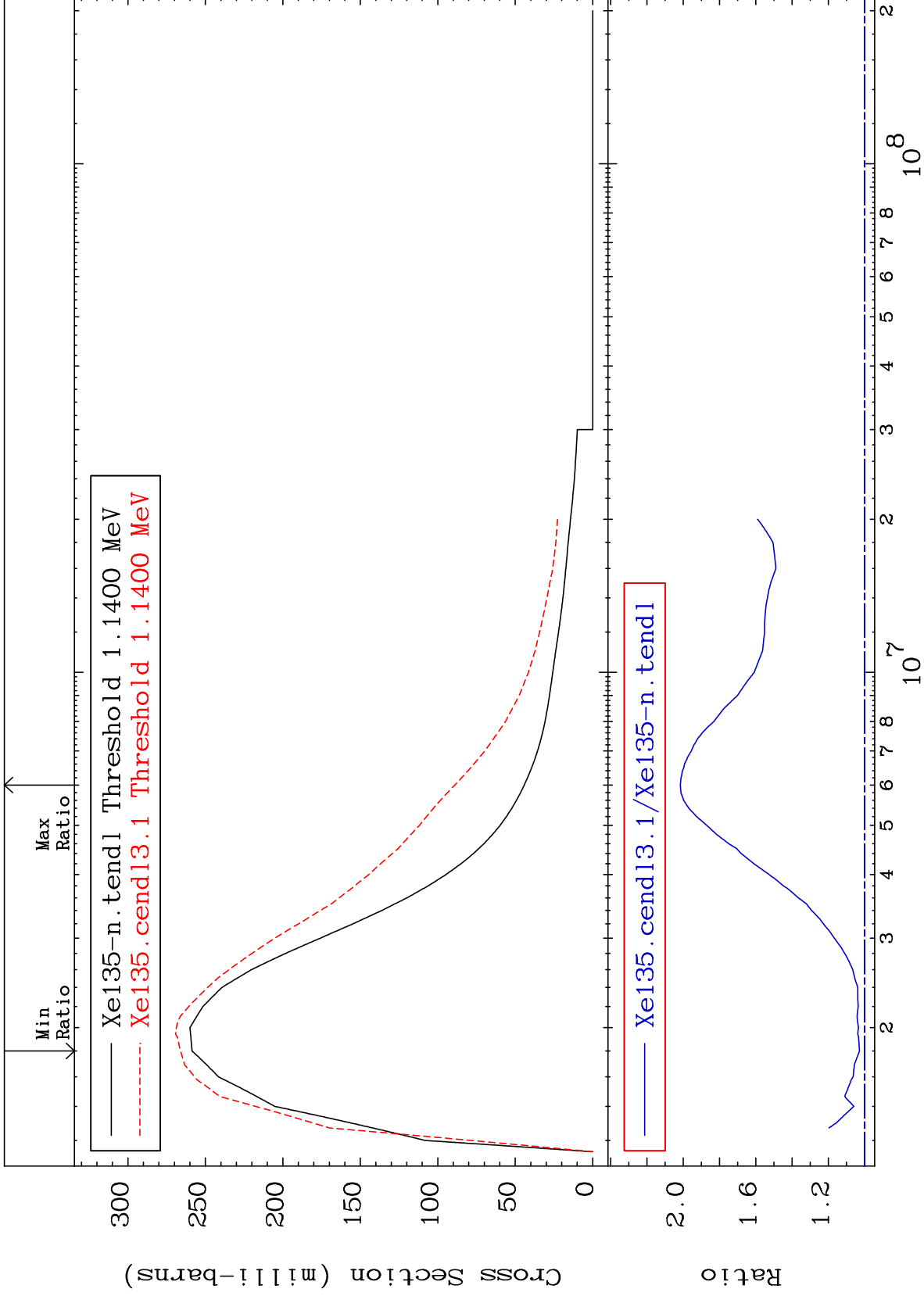
54-Xe-135  
15.75 To 6095. %



MAT 5458

1.132 MeV (n,n') Level  
Cross Section

54-Xe-135  
2.886 To 101.6 %



10

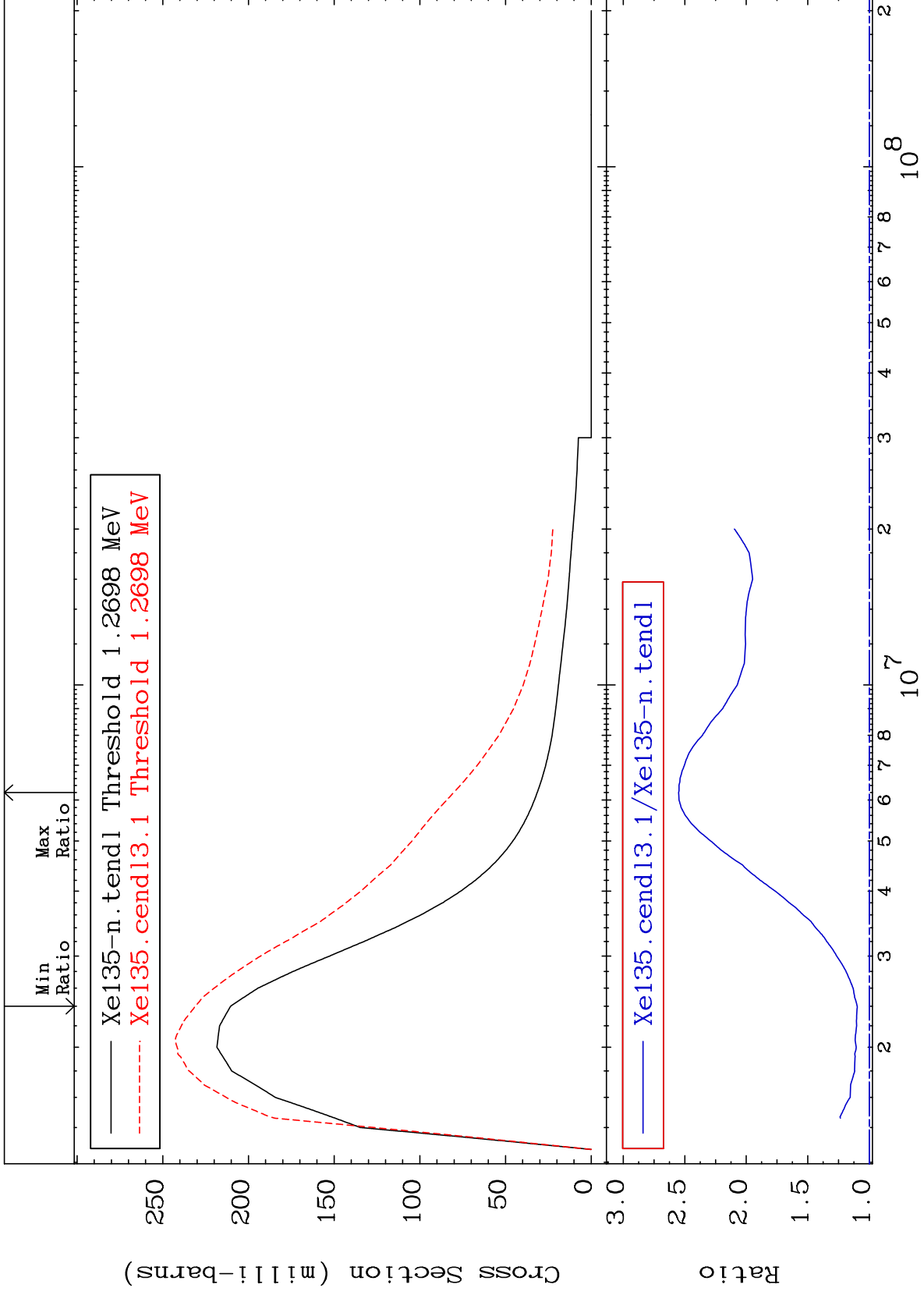
Incident Energy (eV)

54-Xe-135

MAT 5458

1.260 MeV (n,n') Level  
Cross Section

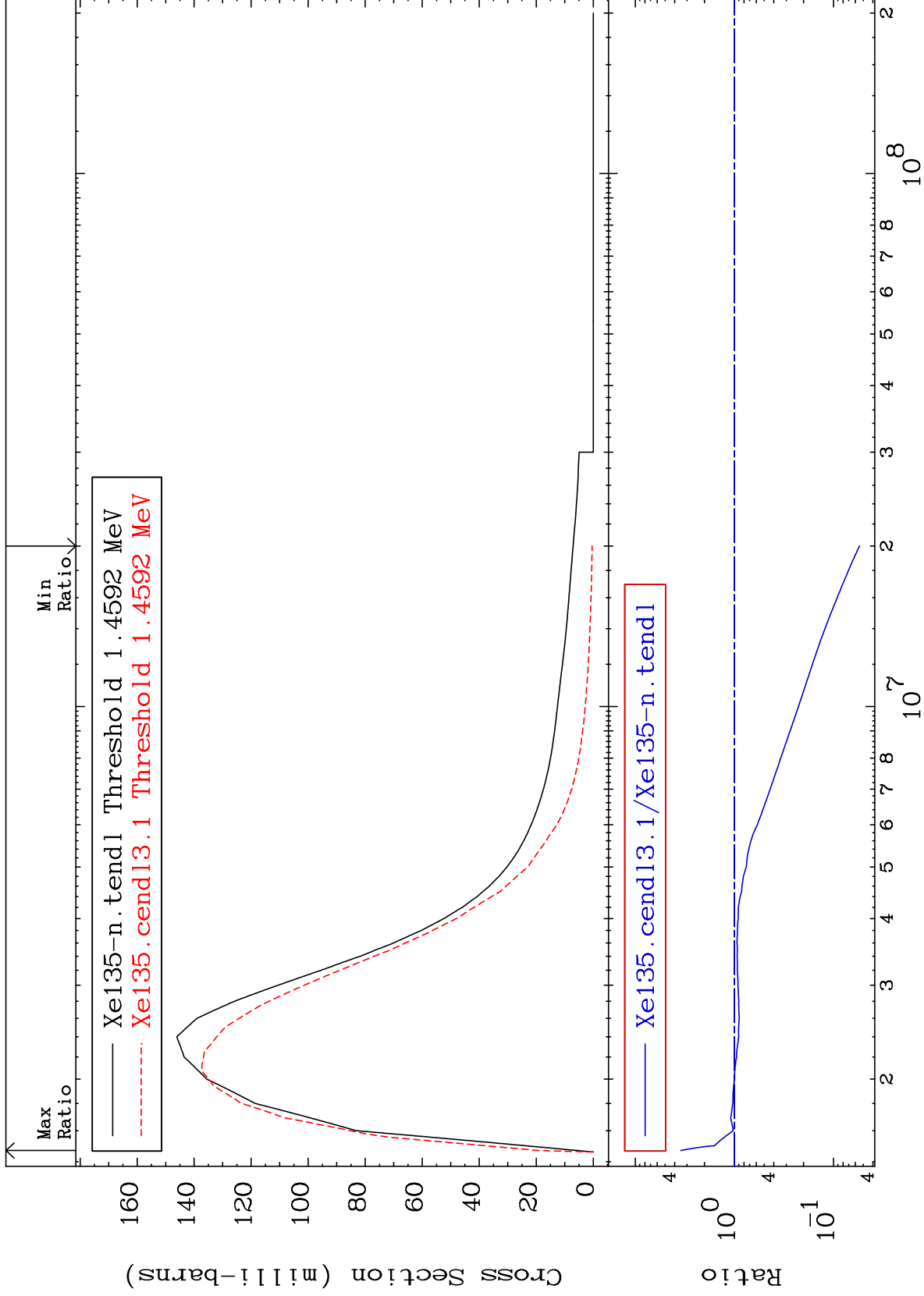
54-Xe-135  
9.752 To 155.0 %



MAT 5458

1.448 MeV (n,n') Level  
Cross Section

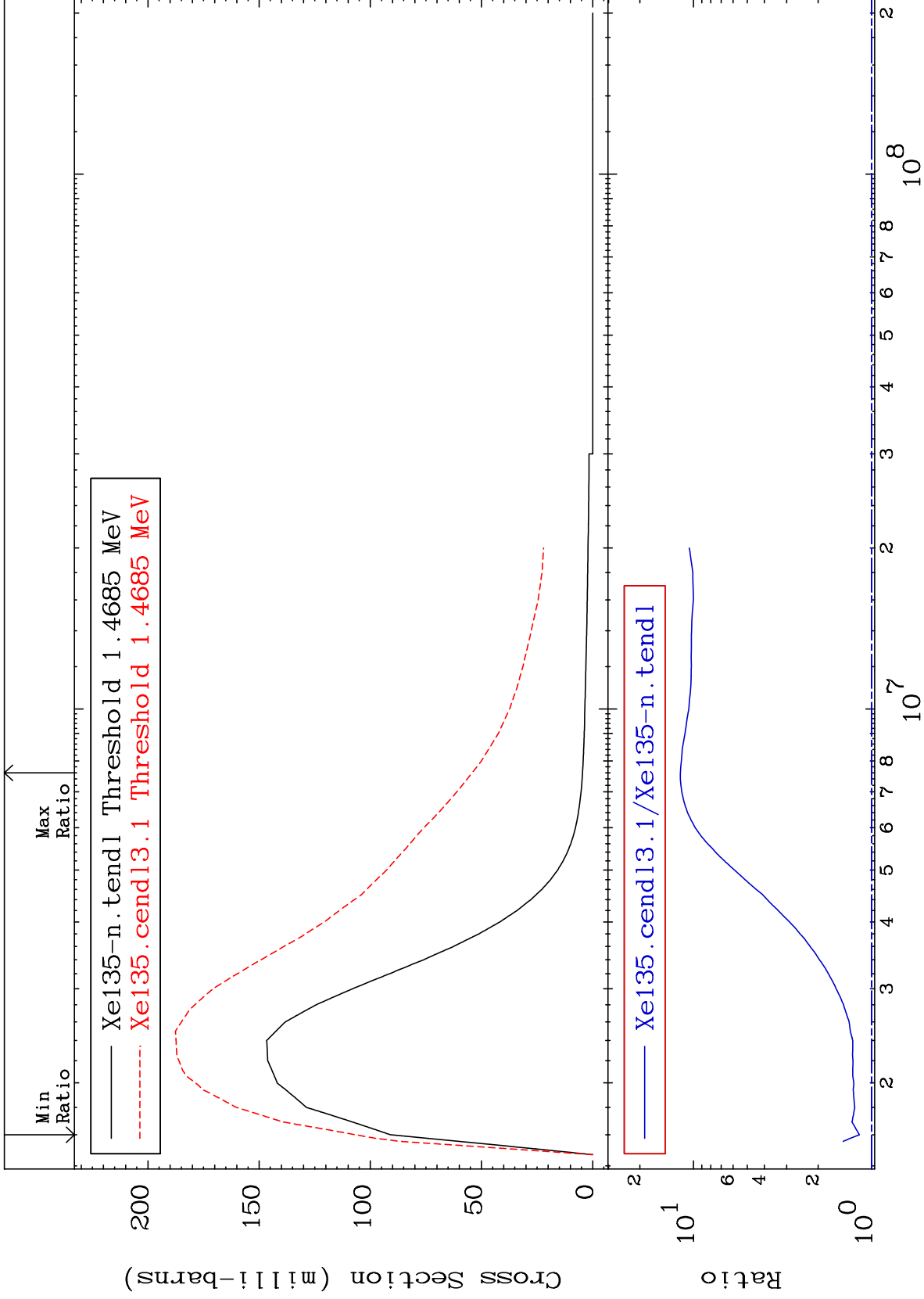
54-Xe-135  
-94.55 To 247.2 %



MAT 5458

1.458 MeV (n,n') Level  
Cross Section

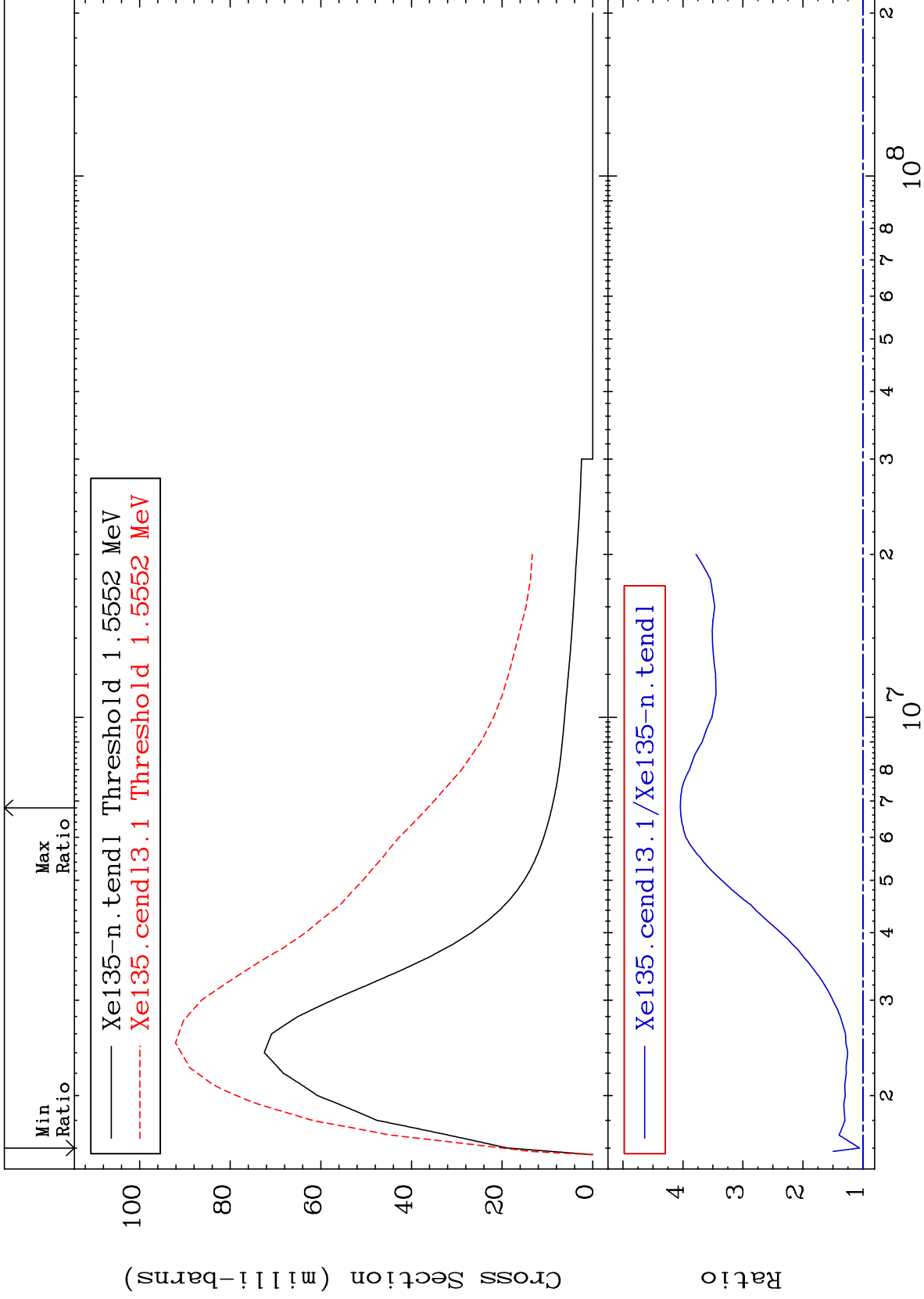
54-Xe-135  
17.12 To 1086. %



MAT 5458

1.544 MeV (n,n') Level  
Cross Section

54-Xe-135  
5.808 To 304.3 %



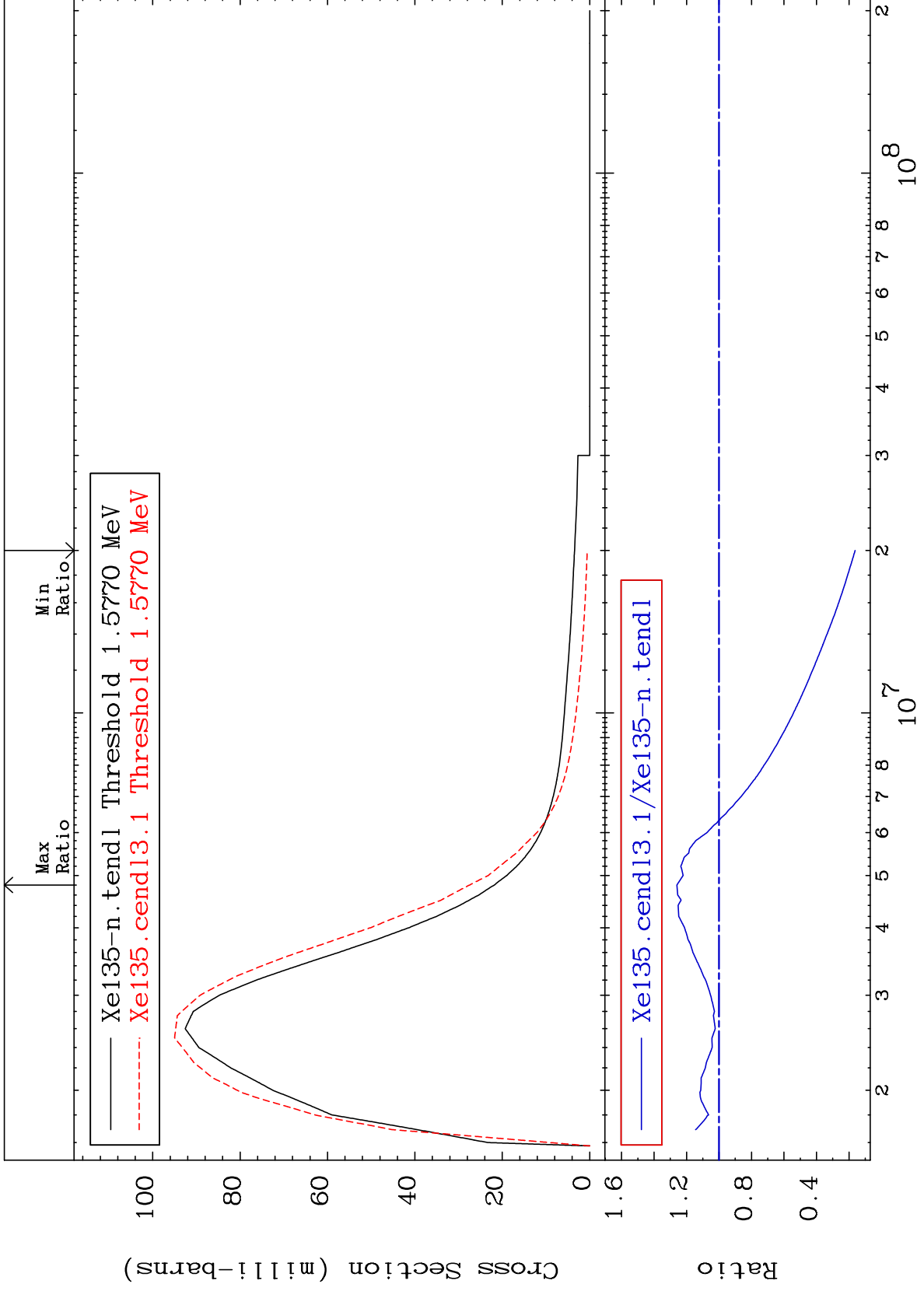
14

54-Xe-135

MAT 5458

1.565 MeV (n,n') Level  
Cross Section

54-Xe-135  
-83.76 To 25.93 %



15

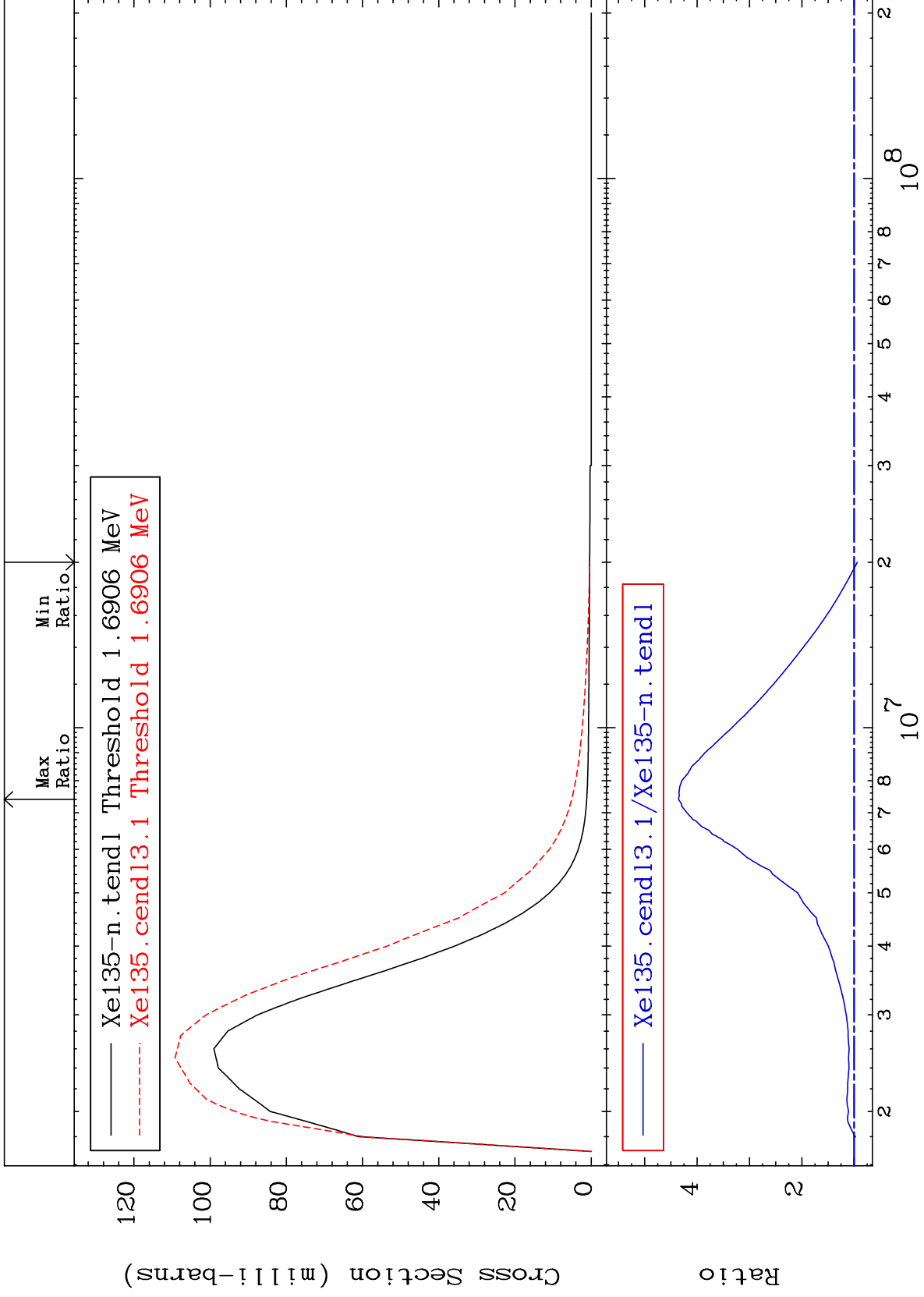
Incident Energy (eV)

54-Xe-135

MAT 5458

1.678 MeV (n,n') Level  
Cross Section

54-Xe-135  
-5.790 To 335.2 %



16

Incident Energy (eV)

54-Xe-135



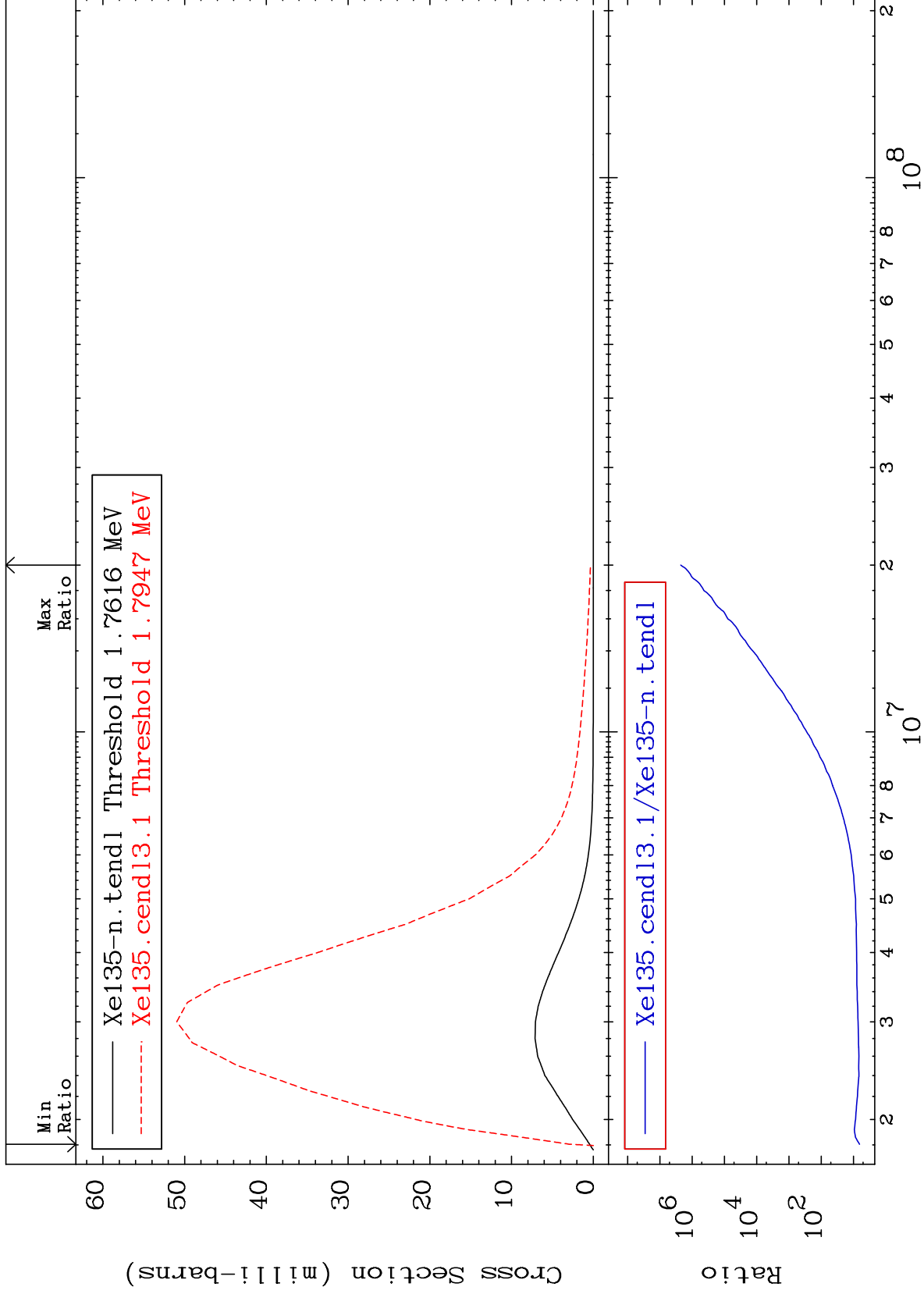
MAT 5458

1.749 MeV (n,n') Level

54-Xe-135

545.2 To 9999. %

Cross Section



17

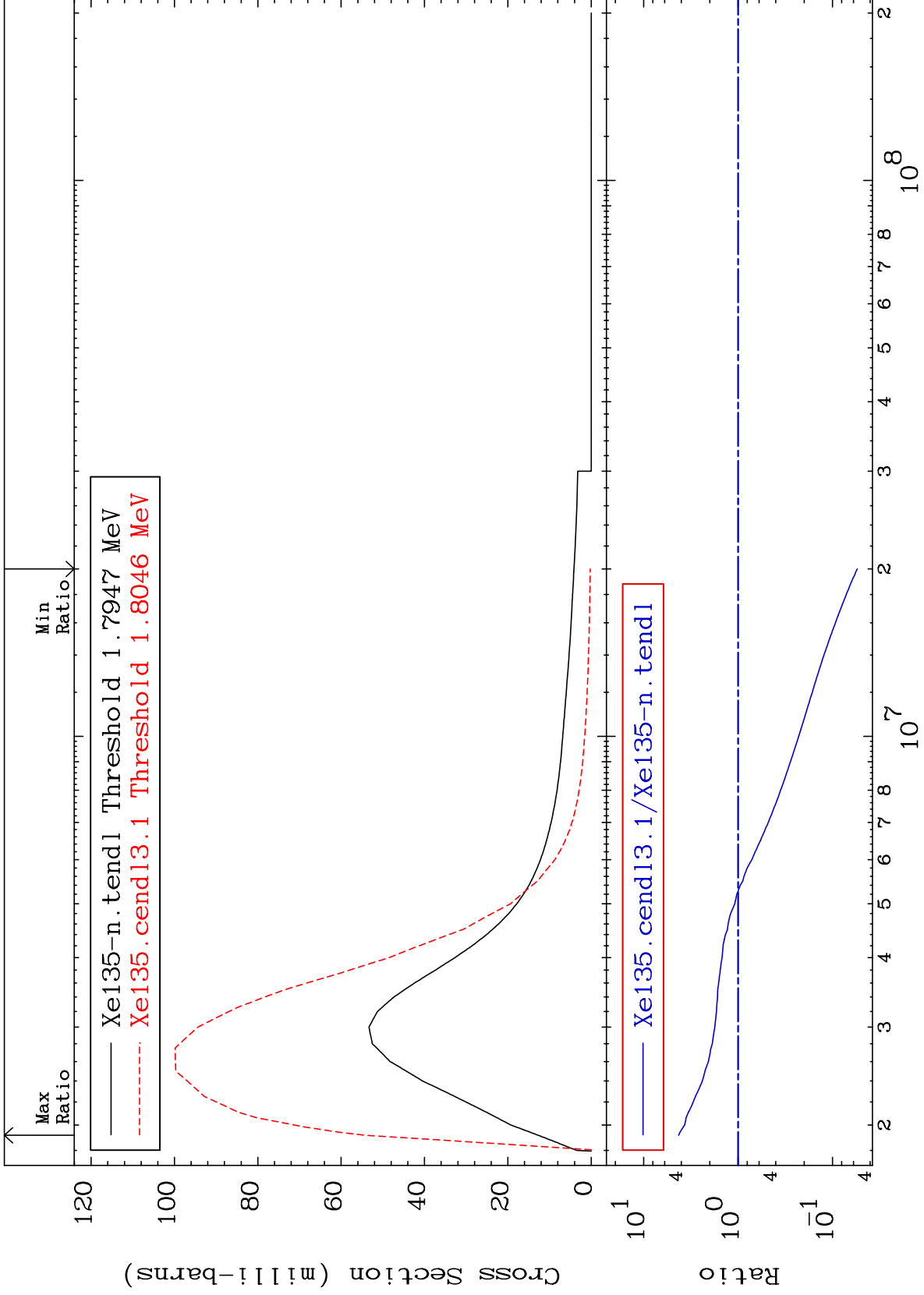
Incident Energy (eV)

54-Xe-135

MAT 5458

1.781 MeV (n,n') Level  
Cross Section

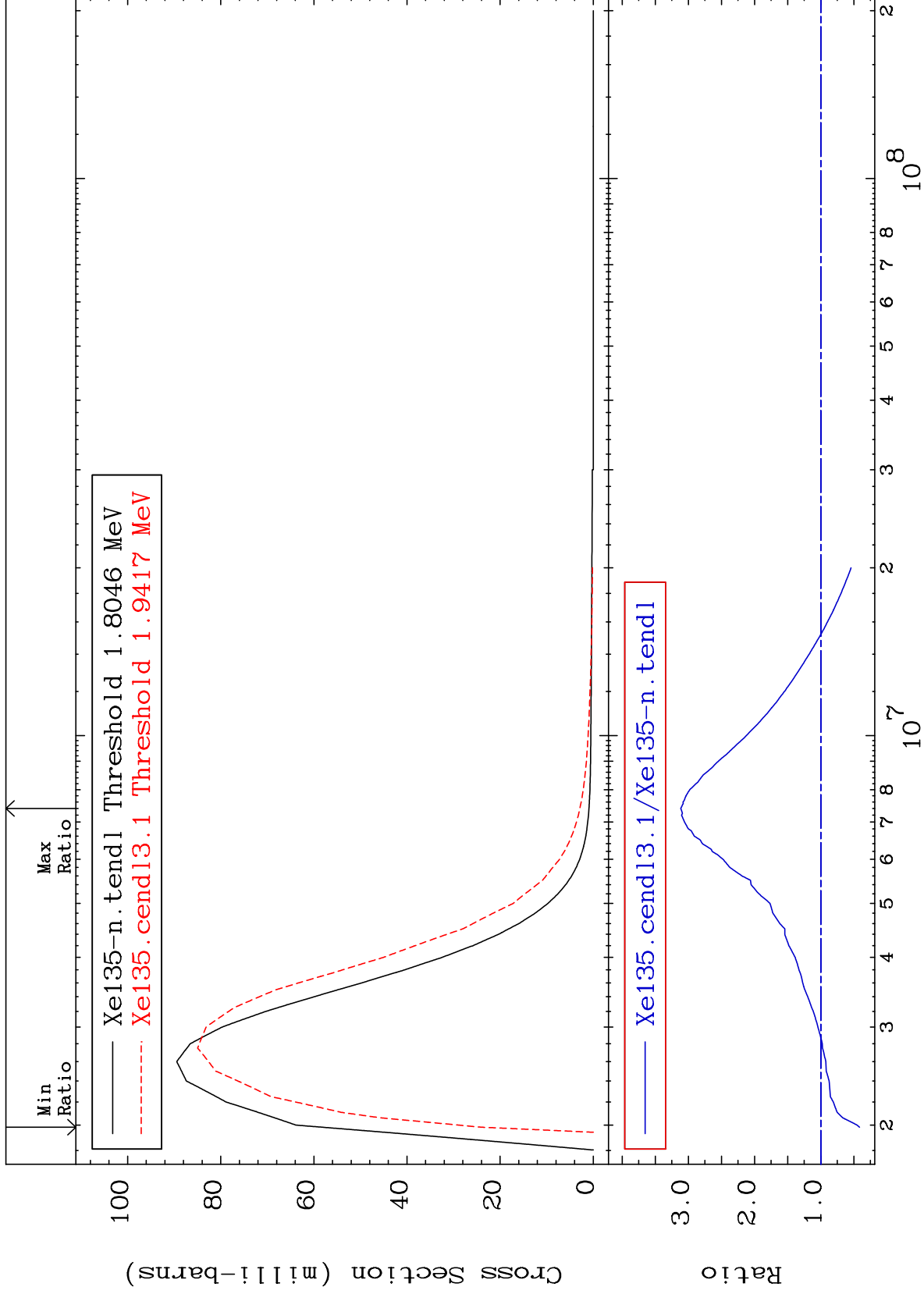
54-Xe-135  
-94.52 To 326.8 %



MAT 5458

1.791 MeV (n,n') Level  
Cross Section

54-Xe-135  
-58.57 To 211.5 %



19

Incident Energy (eV)

54-Xe-135

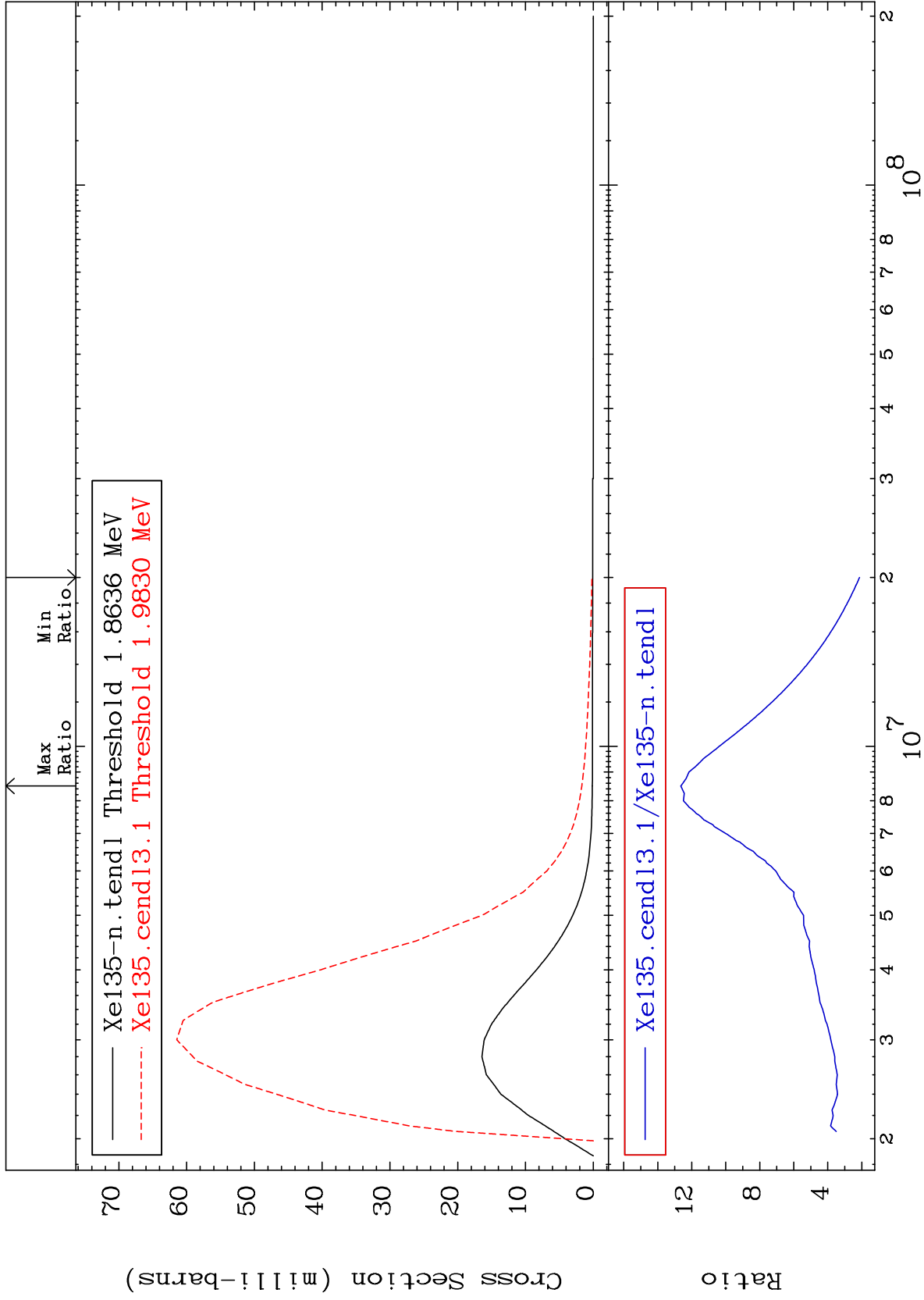
MAT 5458

1.850 MeV (n,n') Level

54-Xe-135

113.1 To 1165. %

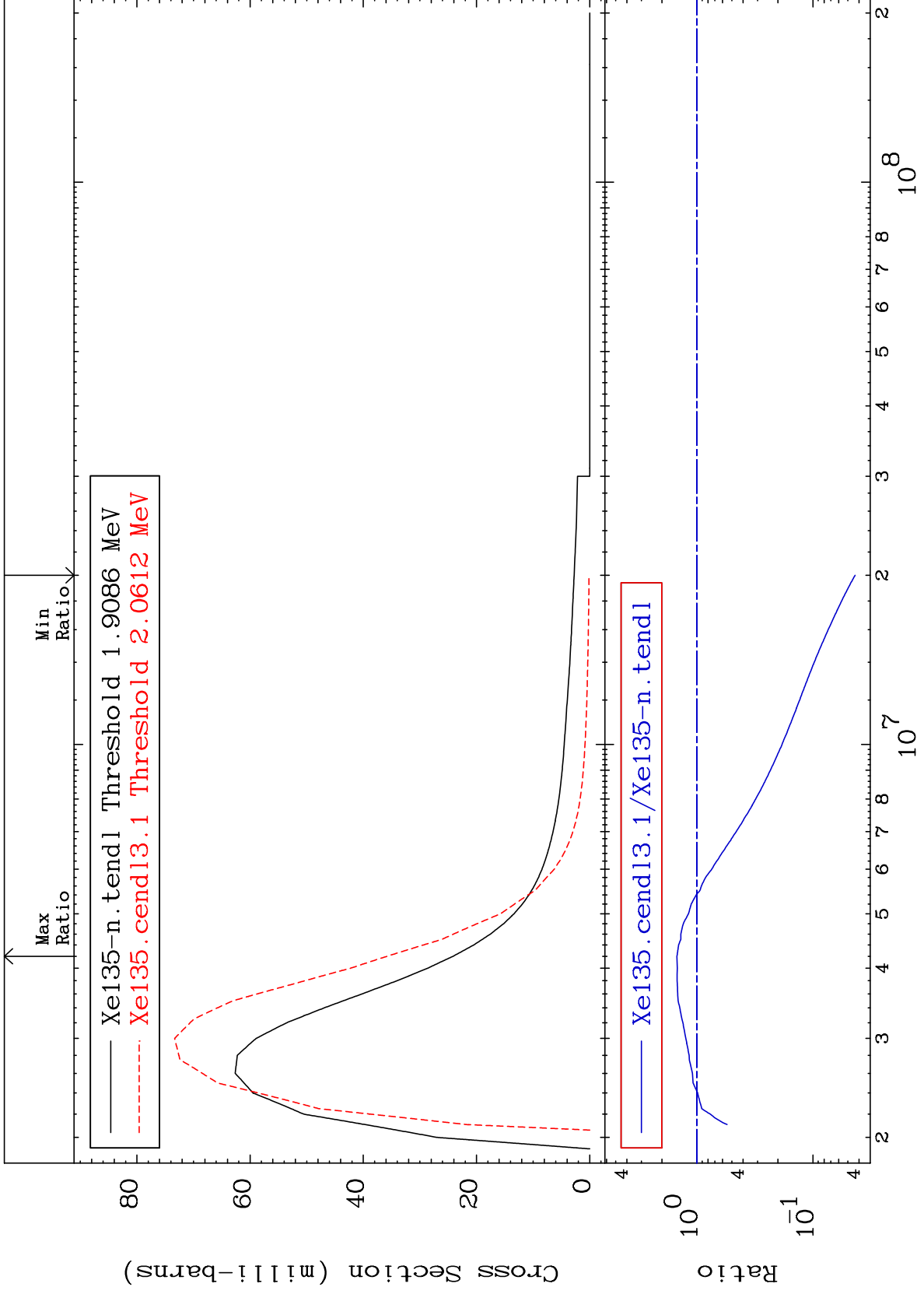
Cross Section



MAT 5458

1.894 MeV (n,n') Level  
Cross Section

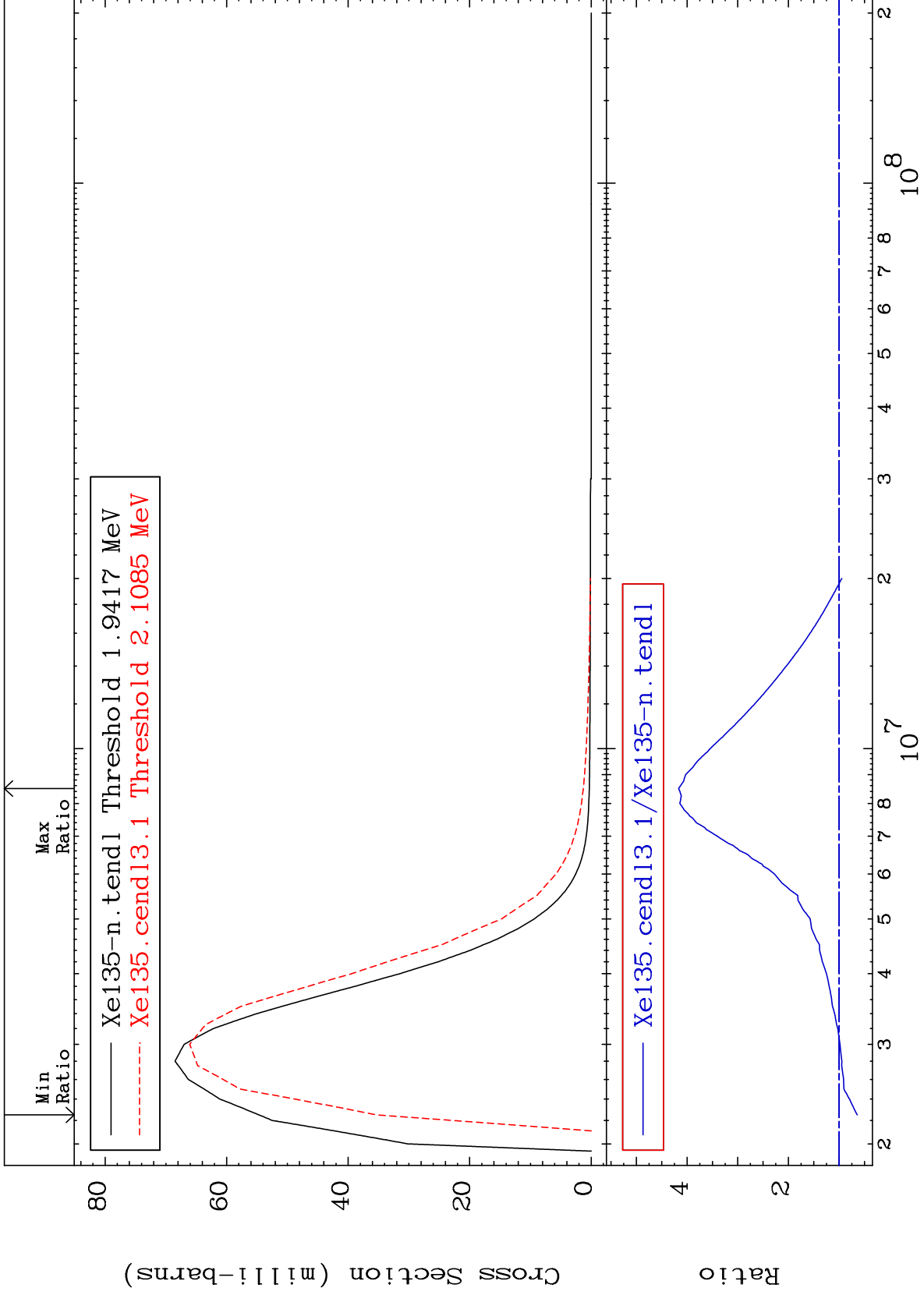
54-Xe-135  
-95.67 To 48.37 %



MAT 5458

1.927 MeV (n,n') Level  
Cross Section

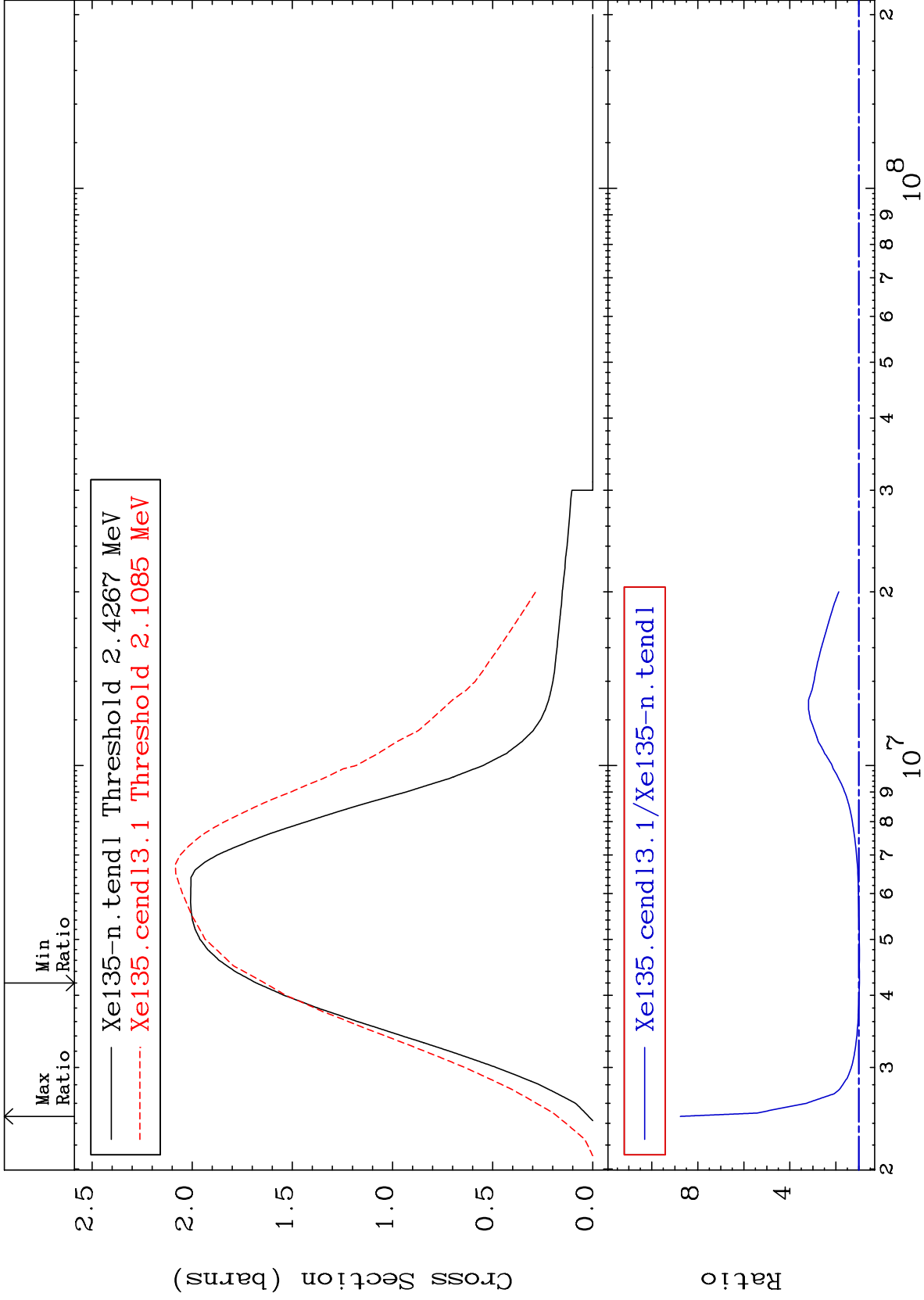
54-Xe-135  
-35.52 To 316.5 %



MAT 5458

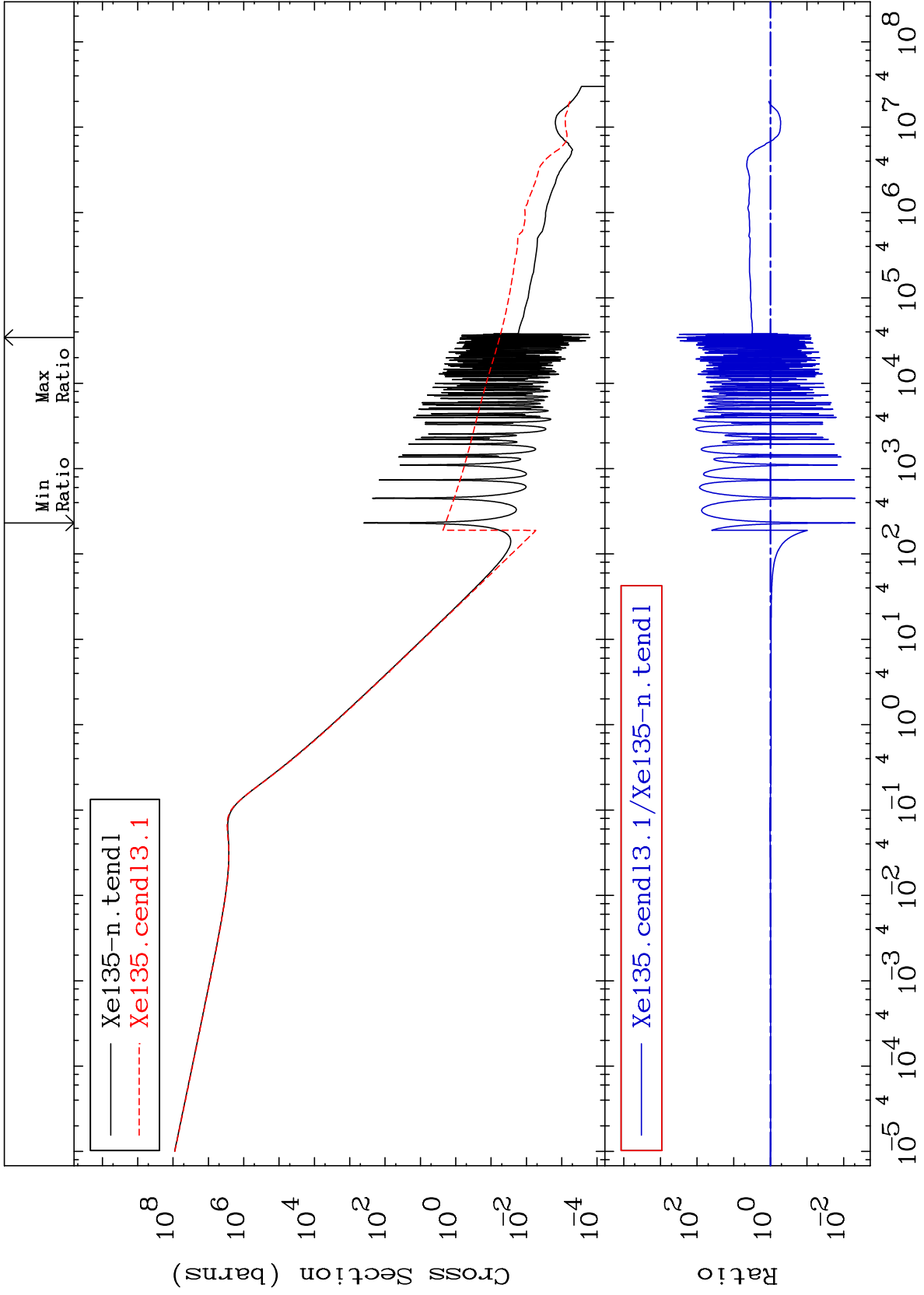
(n, n') Continuum  
Cross Section

54-Xe-135  
-2.480 To 775.9 %



MAT 5458

(n,  $\gamma$ )  
Cross Section  
54-Xe-135  
-99.51 To 9999. %

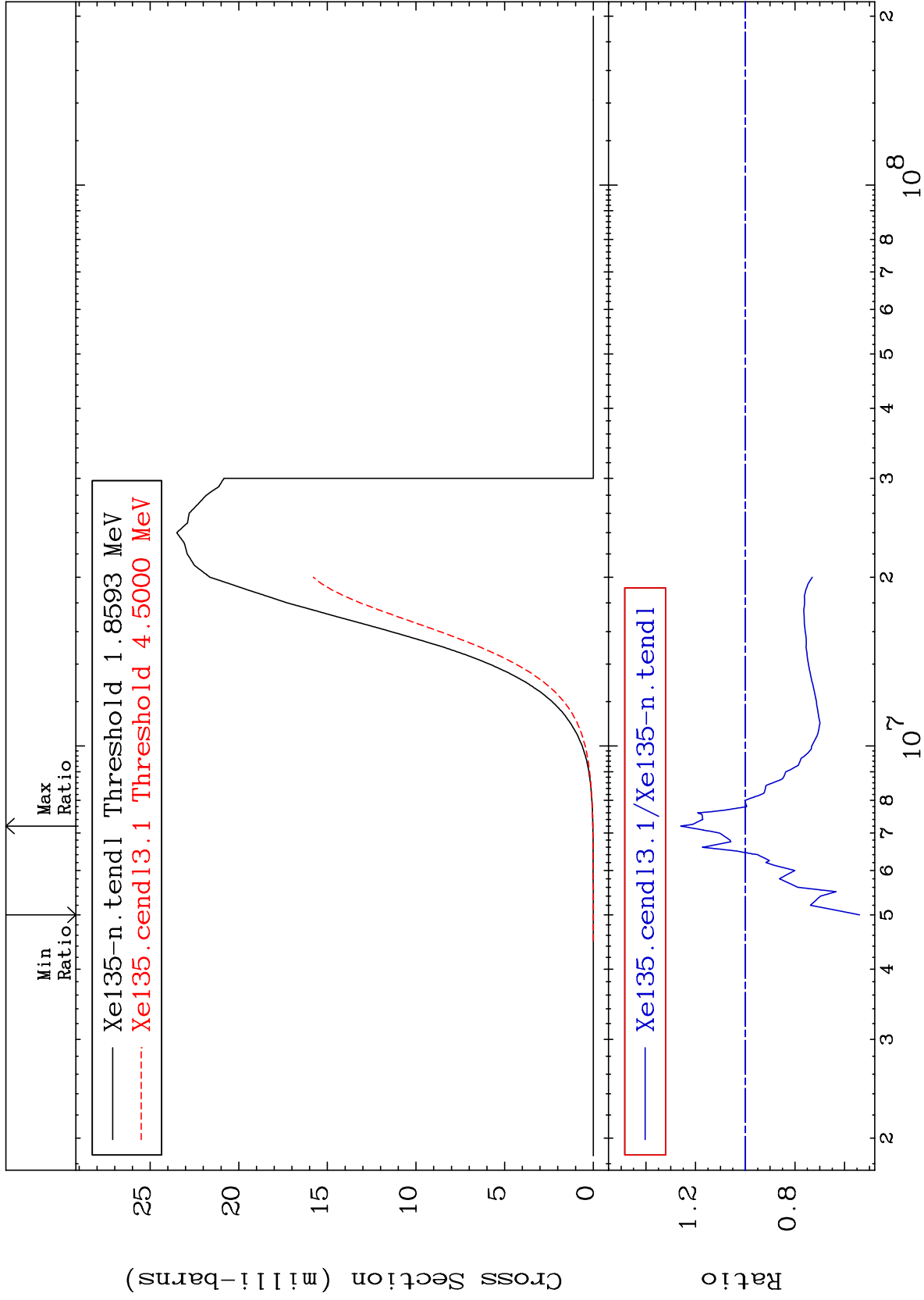




MAT 5458

(n, p)  
Cross Section

54-Xe-135  
-46.01 To 25.97 %



25

Incident Energy (eV)

54-Xe-135

MAT 5458

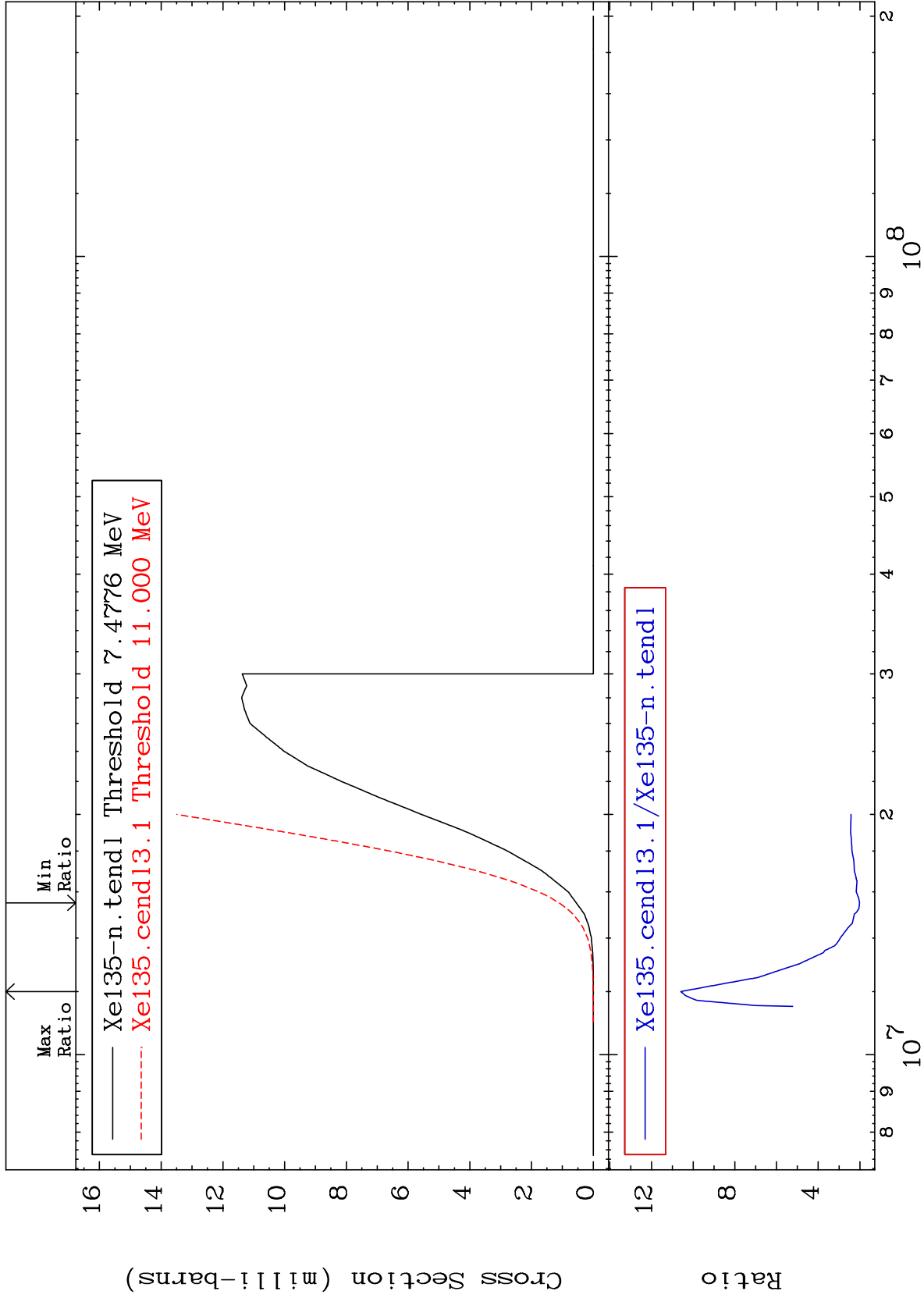
(n, d)

54-Xe-135

Cross Section

101.6

To 959.5 %



26

Incident Energy (eV)

54-Xe-135

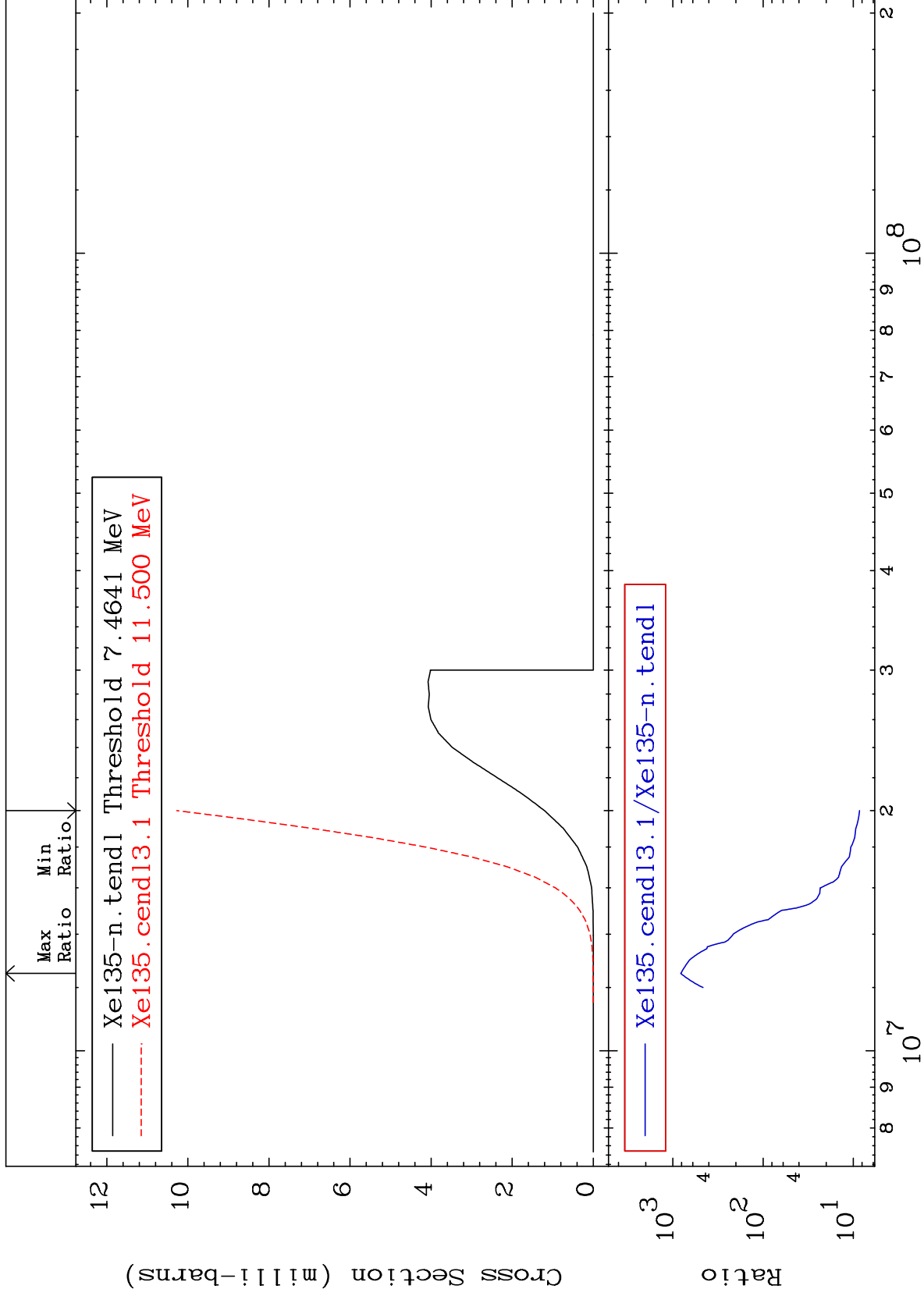
MAT 5458

(n, t)

54-Xe-135

Cross Section

753.3 To 9999. %



27

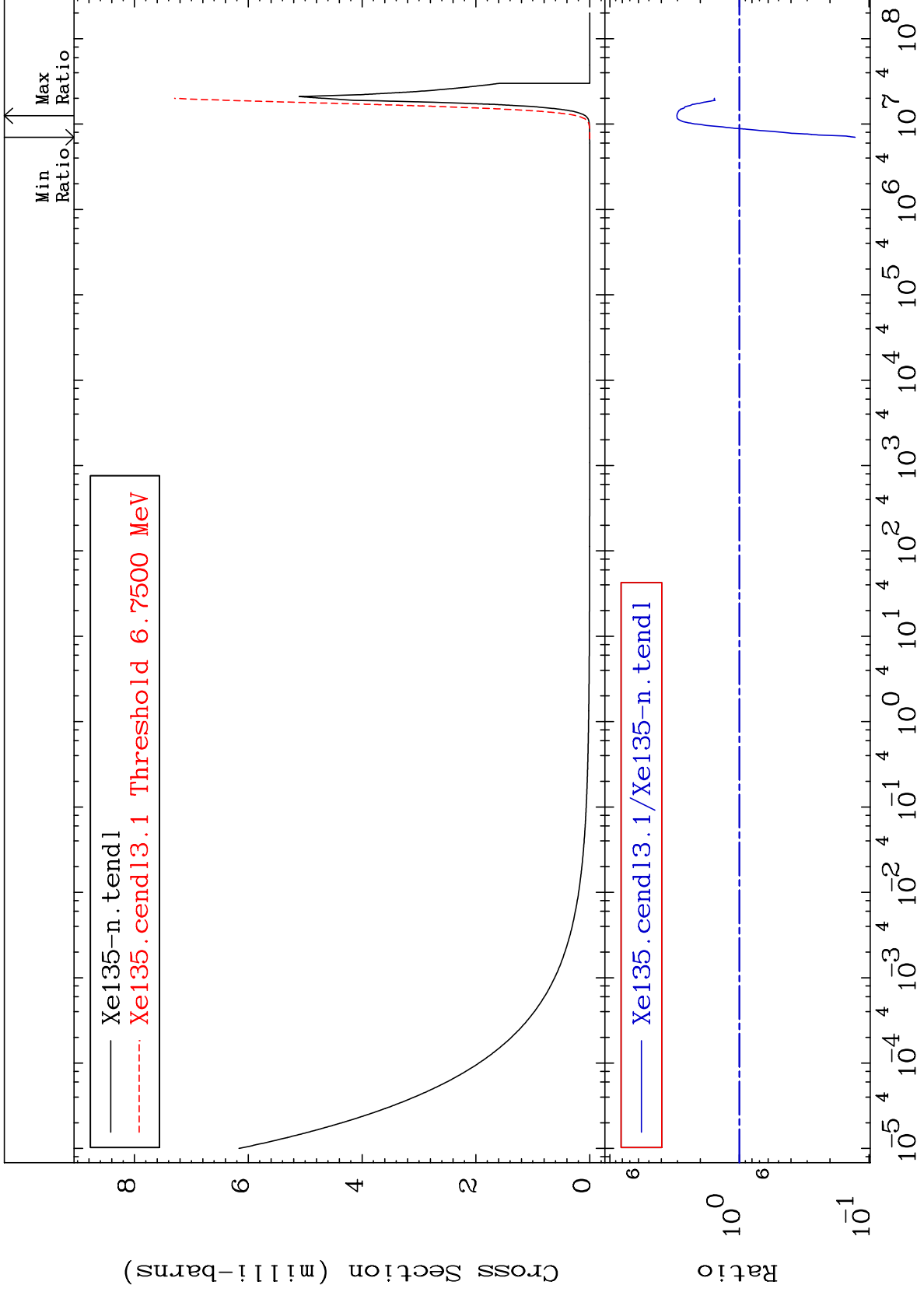
Incident Energy (eV)

54-Xe-135

MAT 5458

(n,  $\alpha$ )  
Cross Section

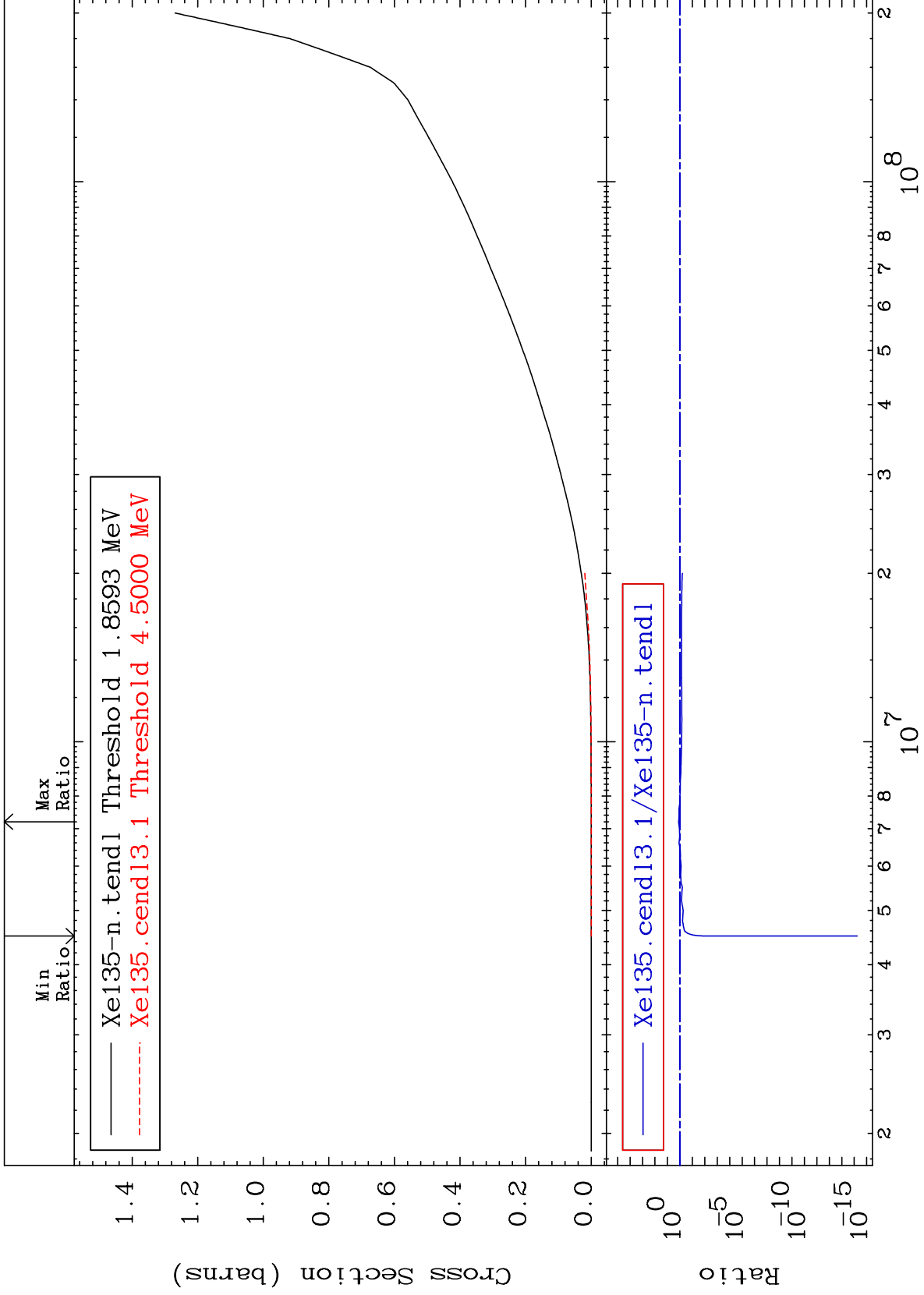
54-Xe-135  
-87.18 To 203.4 %



MAT 5458

Hydrogen Production  
Cross Section

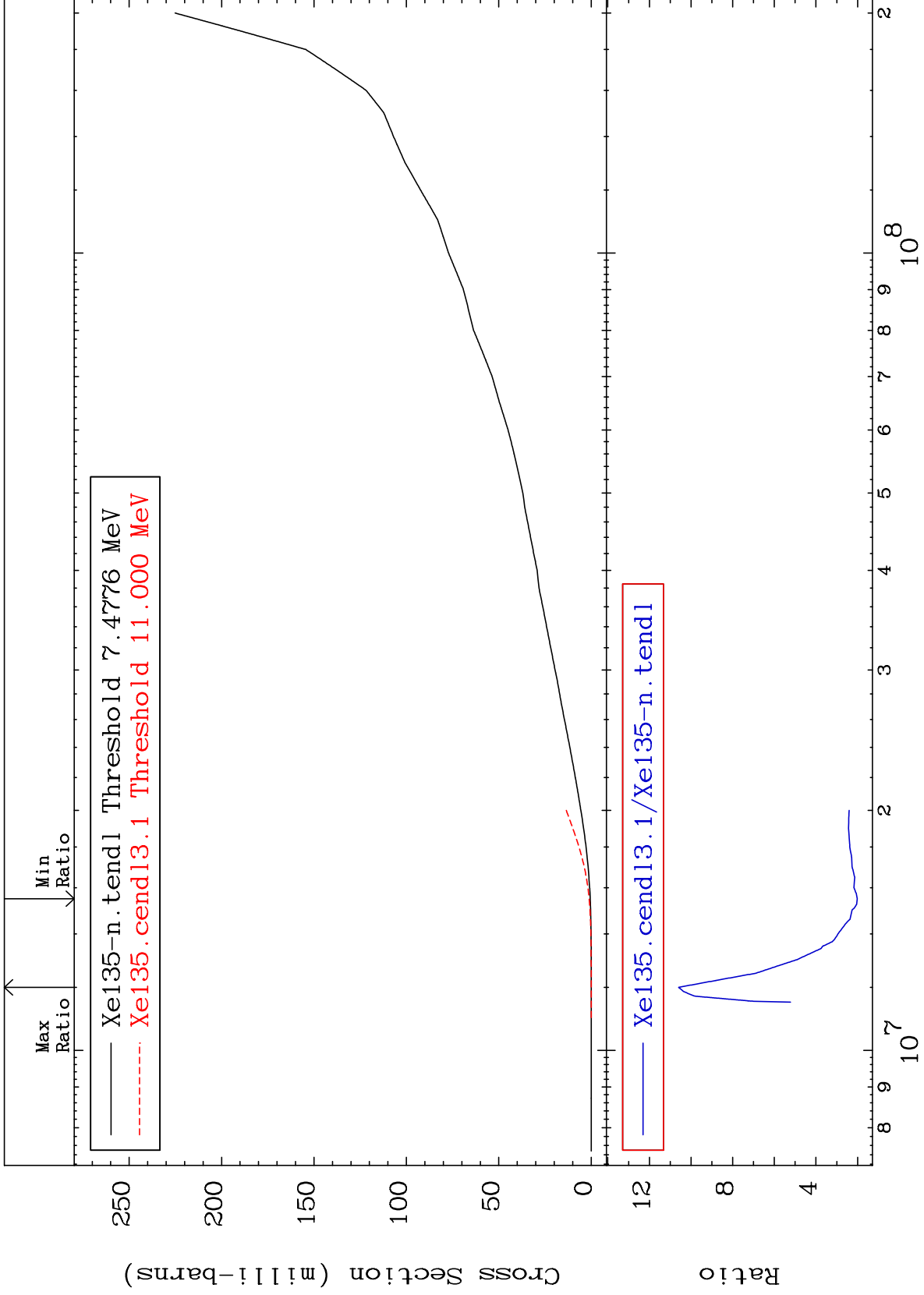
54-Xe-135  
-100.0 To 25.97 %



MAT 5458

Deuterium Production  
Cross Section

54-Xe-135  
101.6 To 959.5 %



30

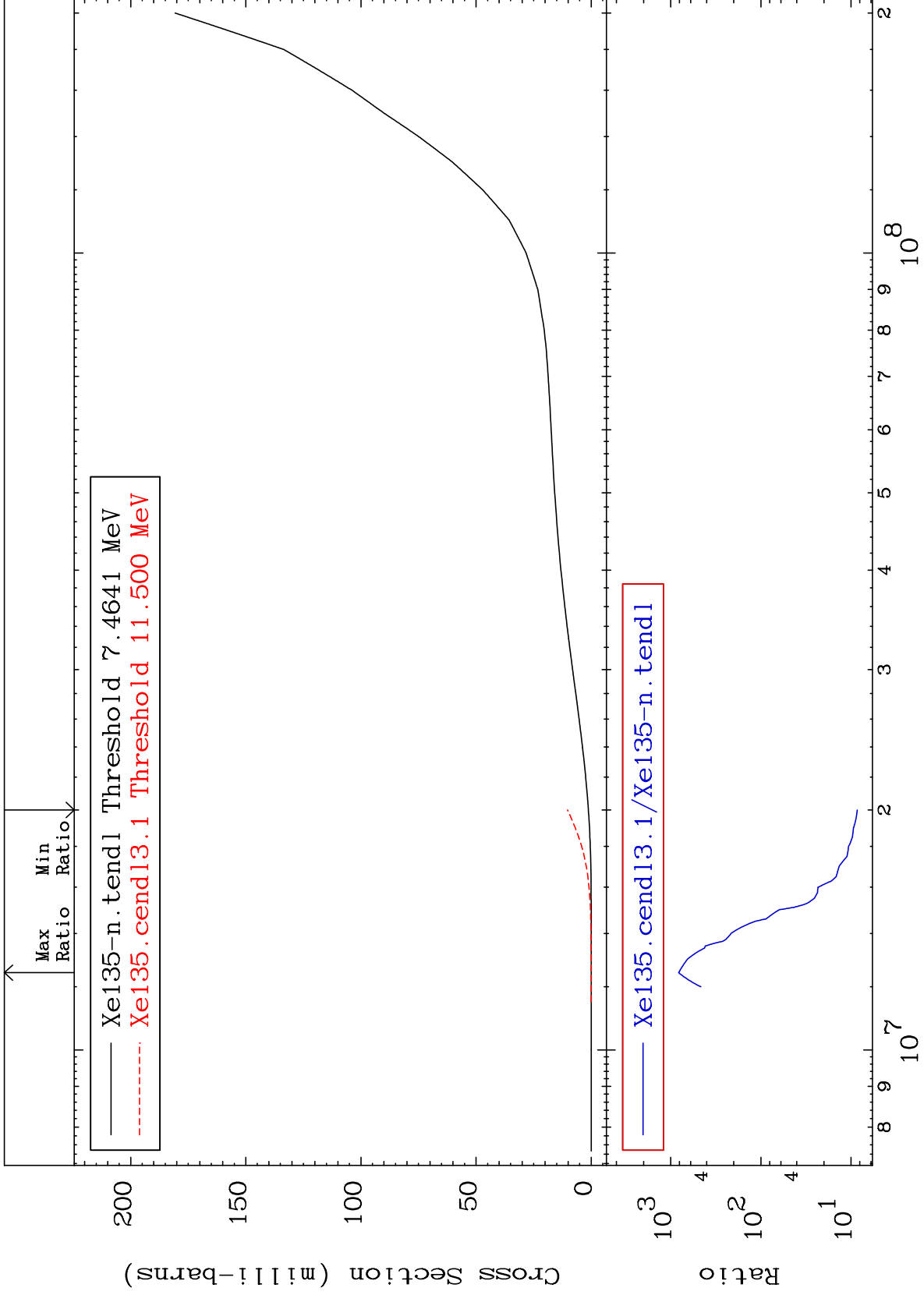
Incident Energy (eV)

54-Xe-135

MAT 5458

Tritium Production  
Cross Section

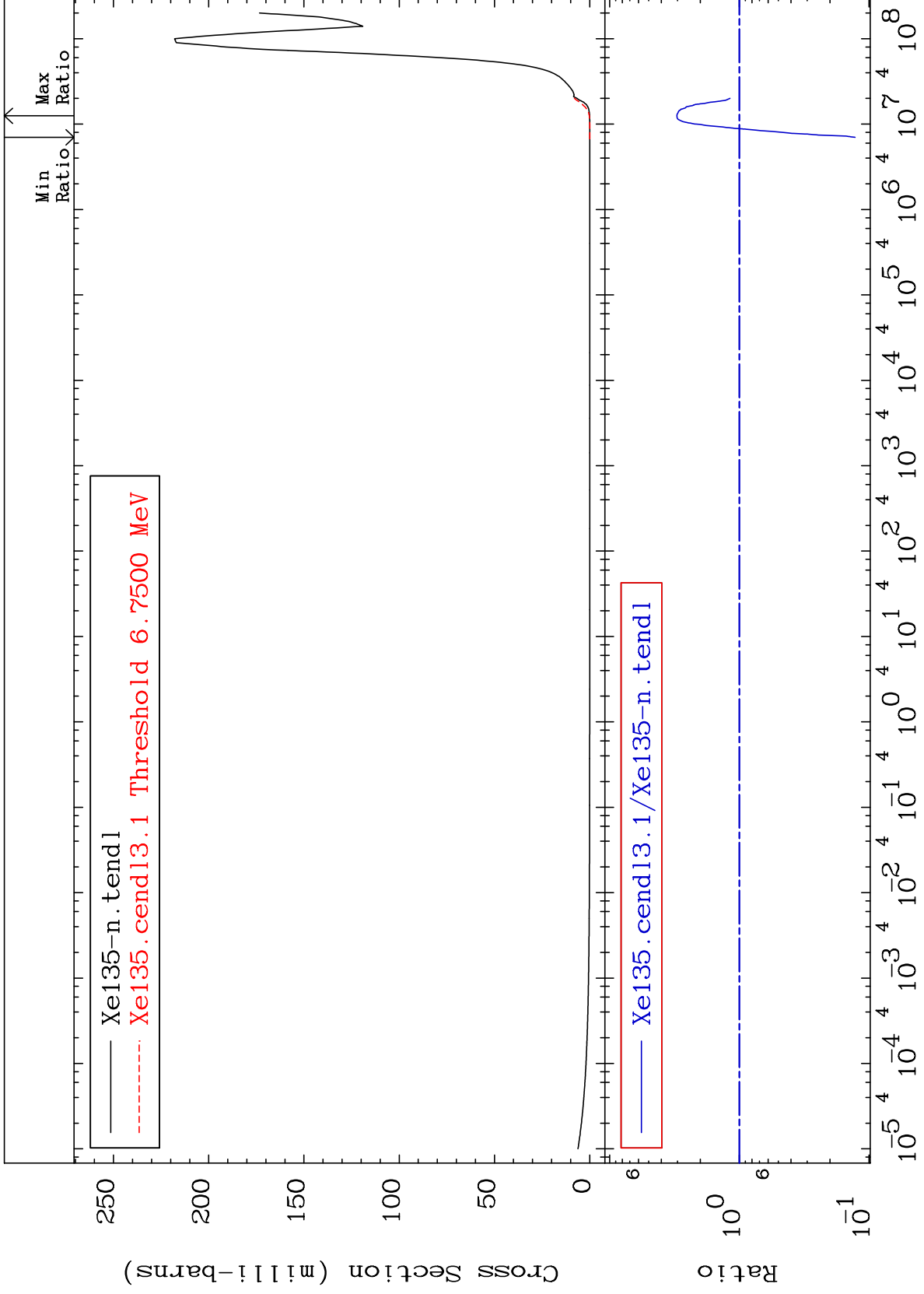
54-Xe-135  
753.3 To 9999. %



MAT 5458

He-4 Production  
Cross Section

54-Xe-135  
-87.18 To 203.2 %



32

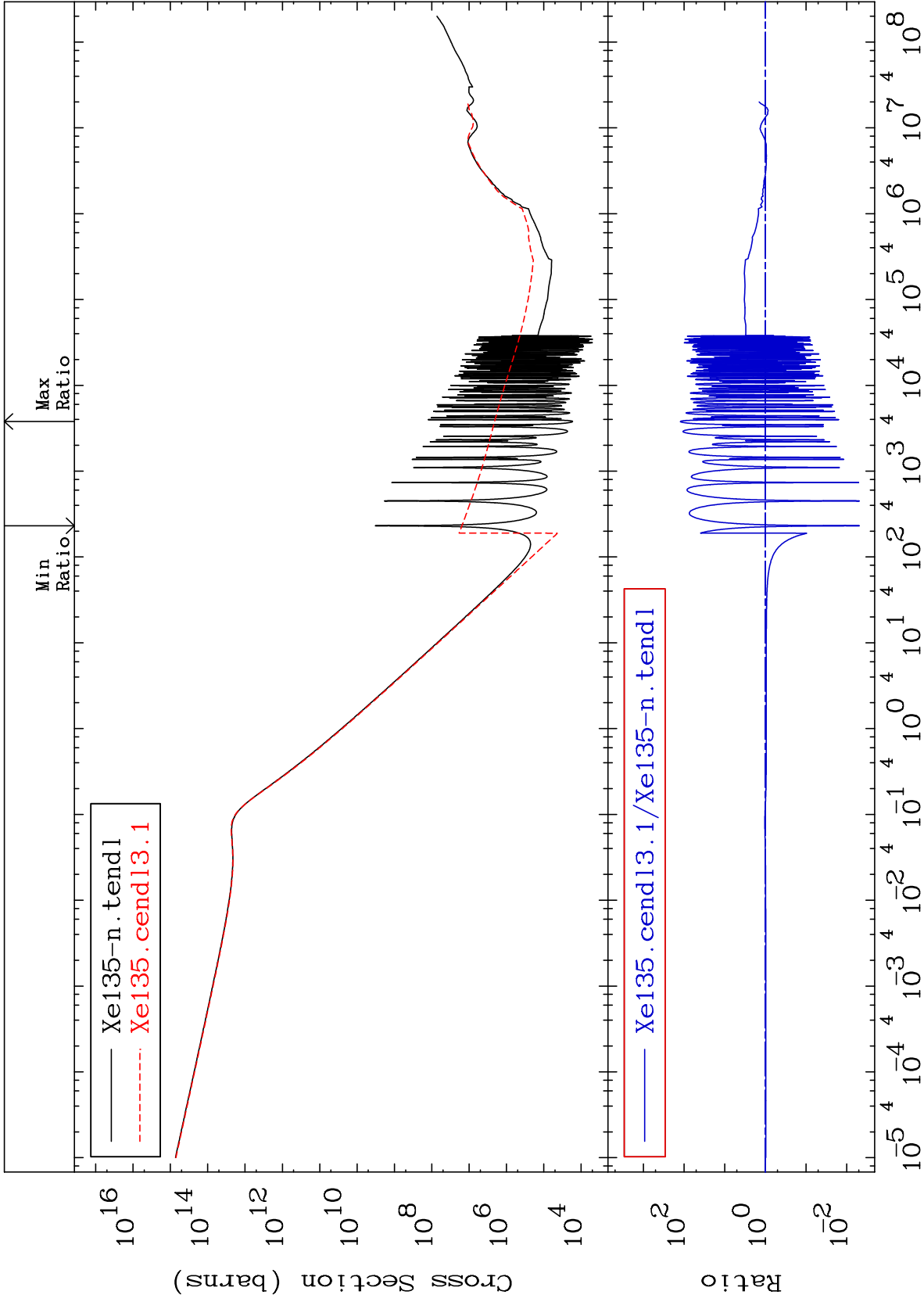
Incident Energy (eV)

54-Xe-135



Cross Section

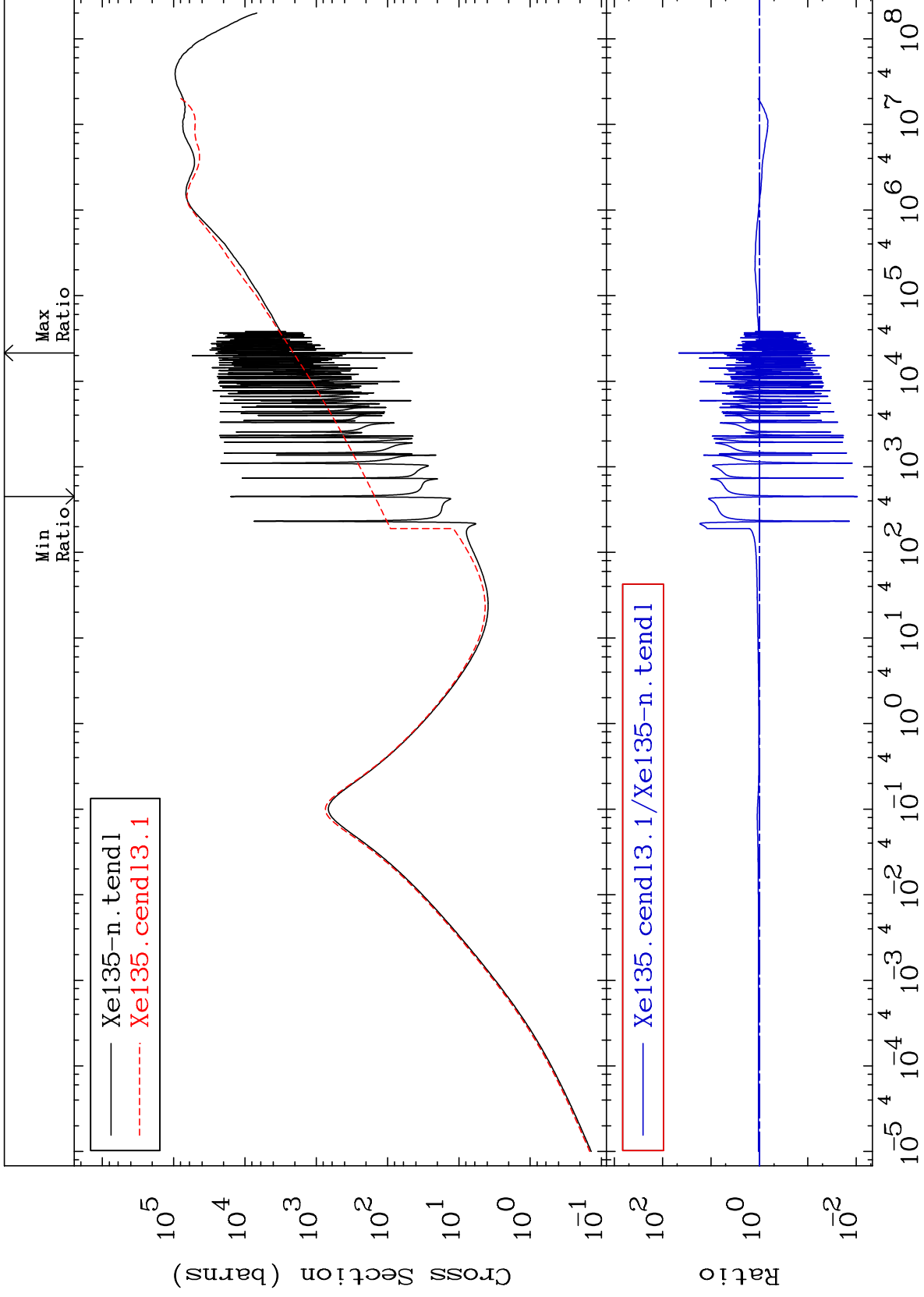
-99.52 To 9999. %

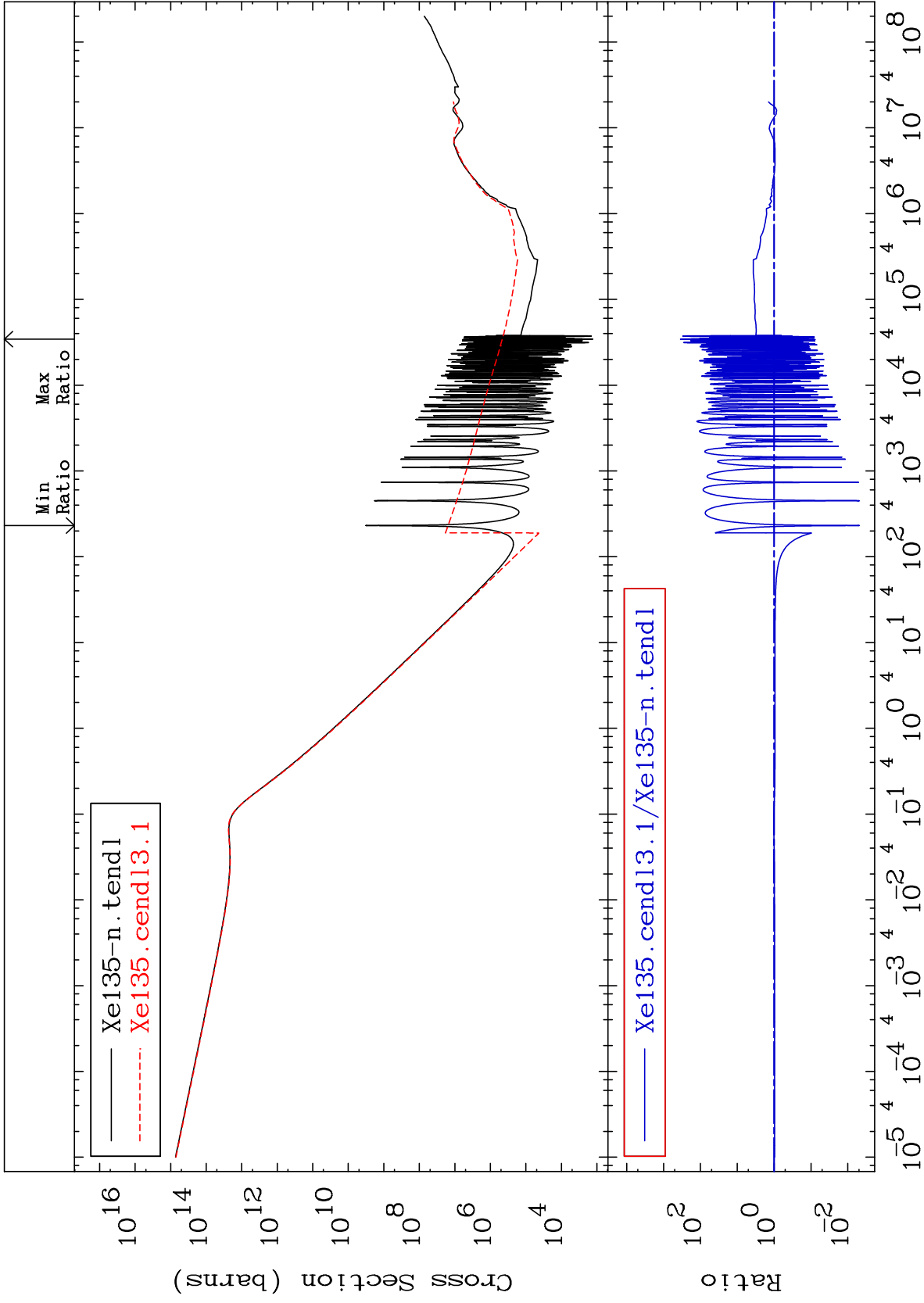


MAT 5458

Kerma elastic  
Cross Section

54-Xe-135  
-99.05 To 4570. %

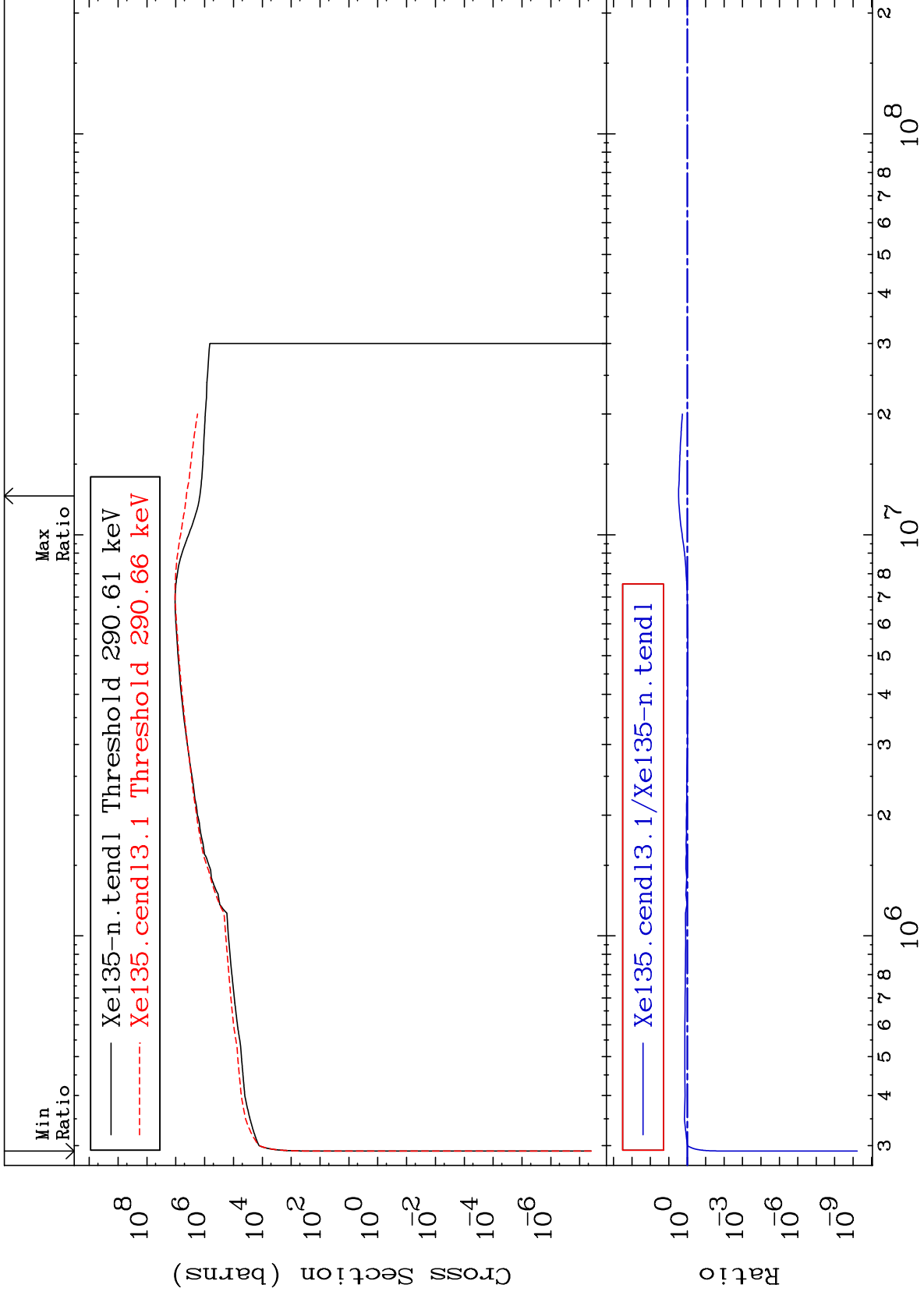




MAT 5458

Kerma inelastic (mt51-91)  
Cross Section

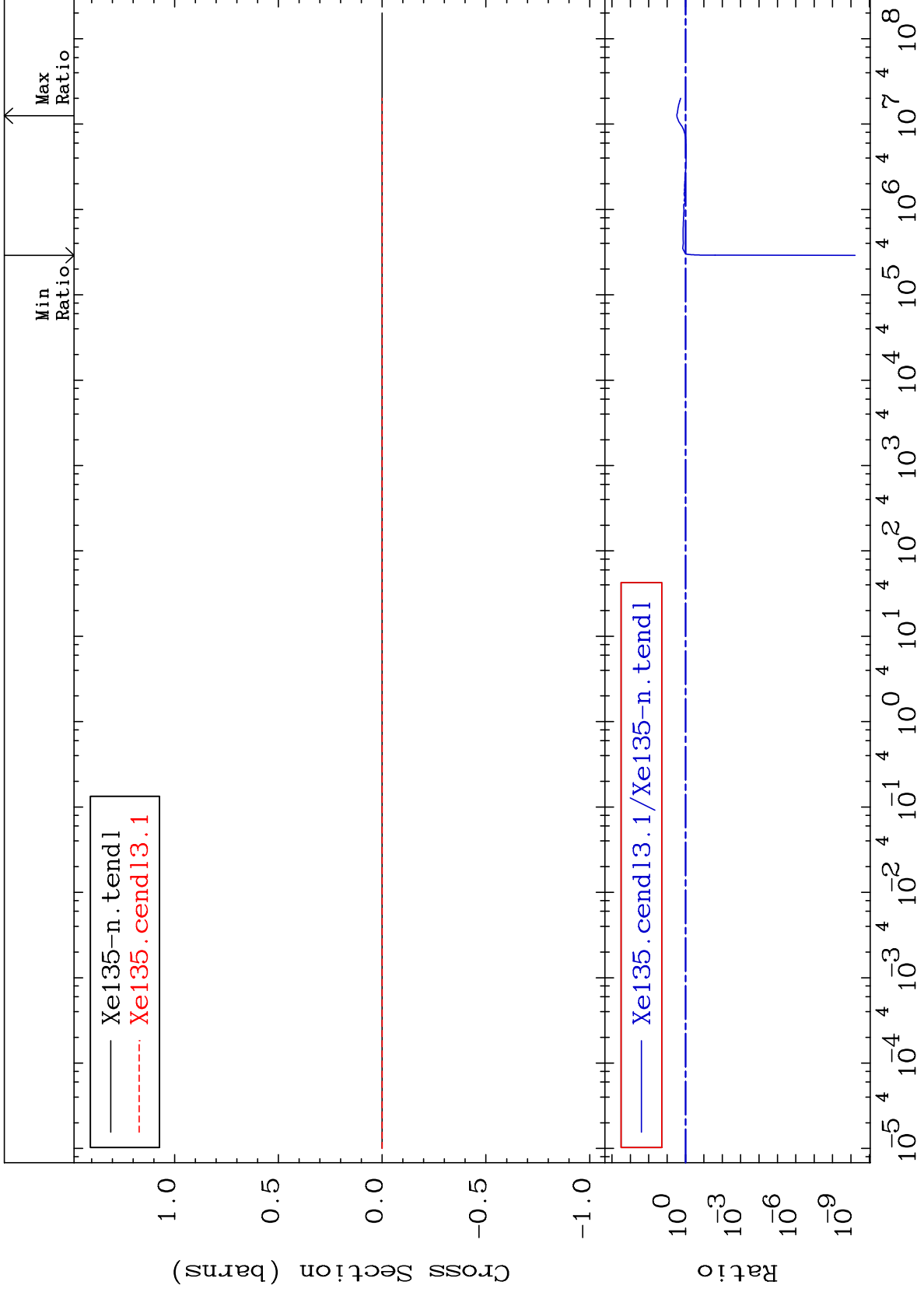
54-Xe-135  
-100.0 To 193.6 %



MAT 5458

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

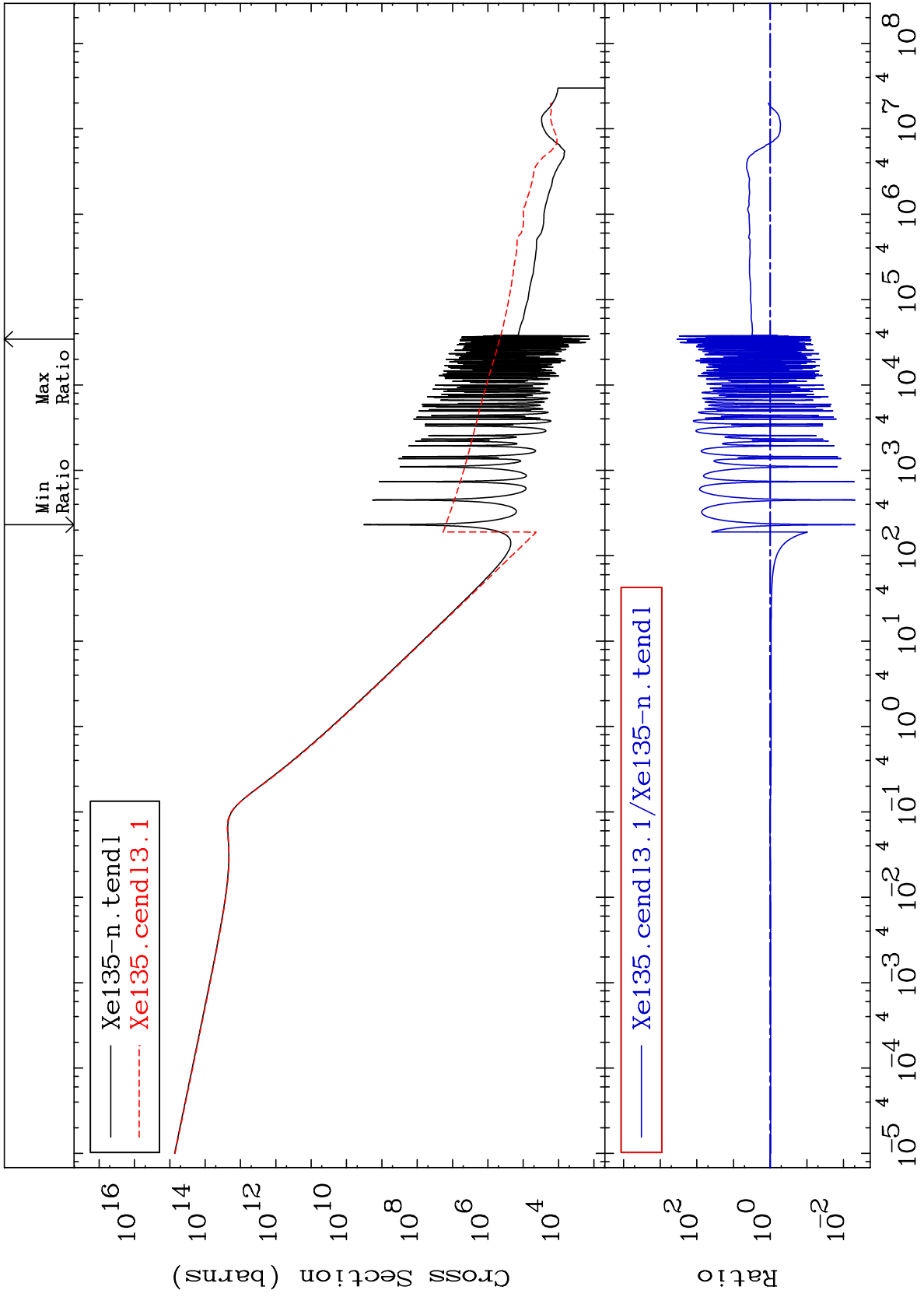
54-Xe-135  
-100.0 To 193.6 %



MAT 5458

Kerma capture (mt102)  
Cross Section

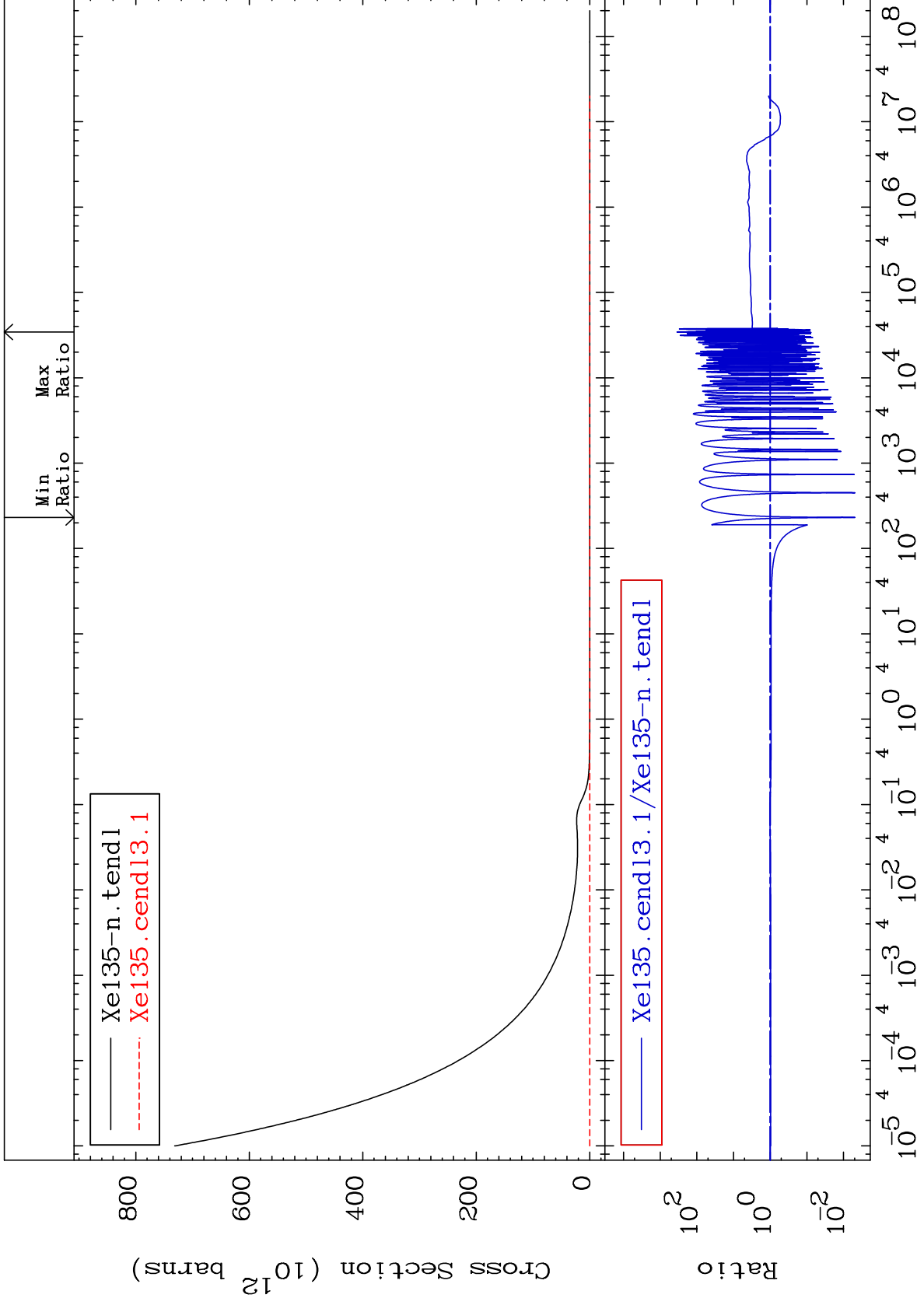
54-Xe-135  
-99.52 To 9999. %



MAT 5458

Total photon (eV-barns)  
Cross Section

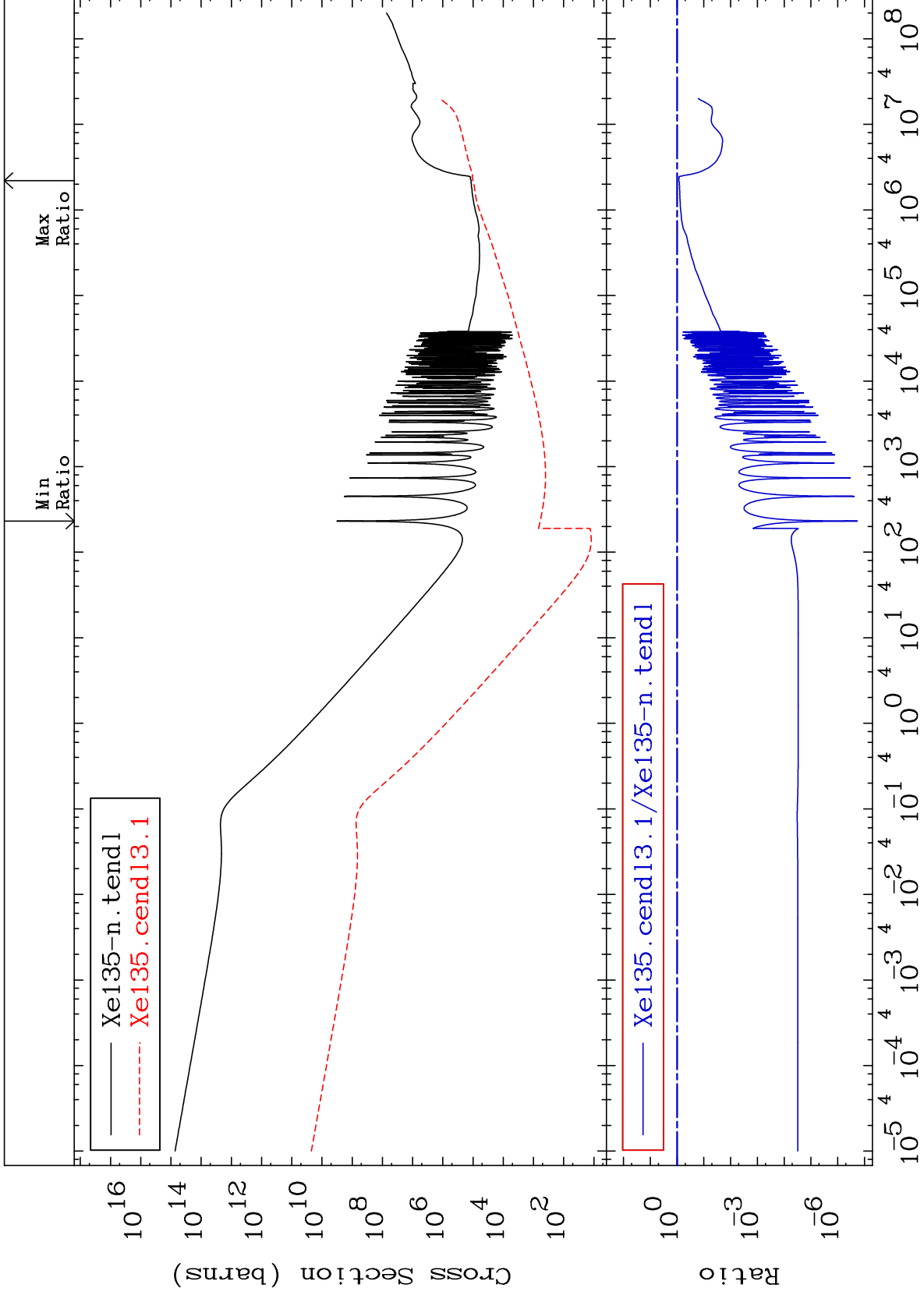
54-Xe-135  
-99.52 To 9999. %



MAT 5458

Total kinematic kerma (high limit)  
Cross Section

54-Xe-135  
-100.0 To -12.41%



40

Incident Energy (eV)

54-Xe-135



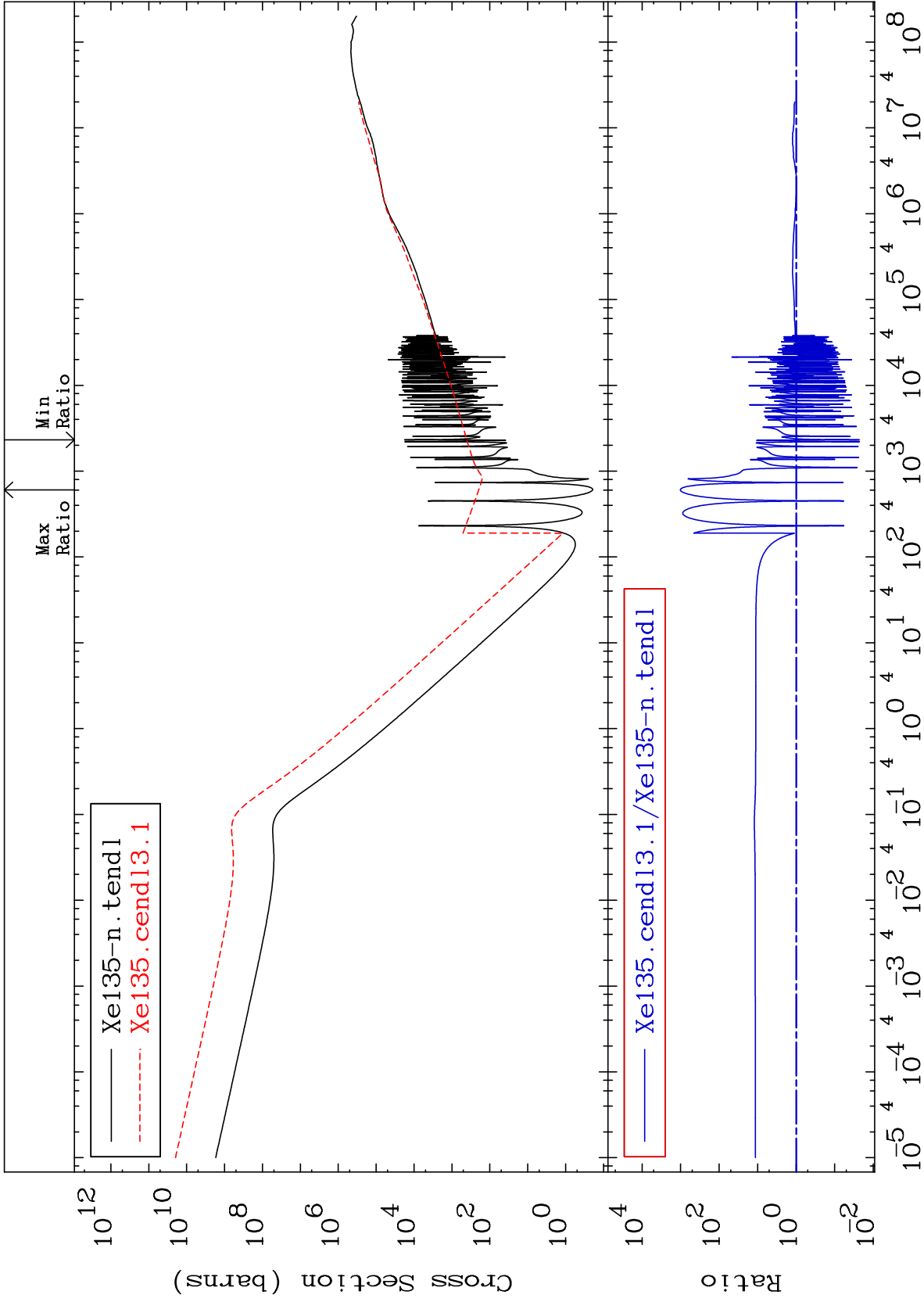
MAT 5458

Dpa total (eV-barns)

54-Xe-135

-97.73 To 9999. %

Cross Section



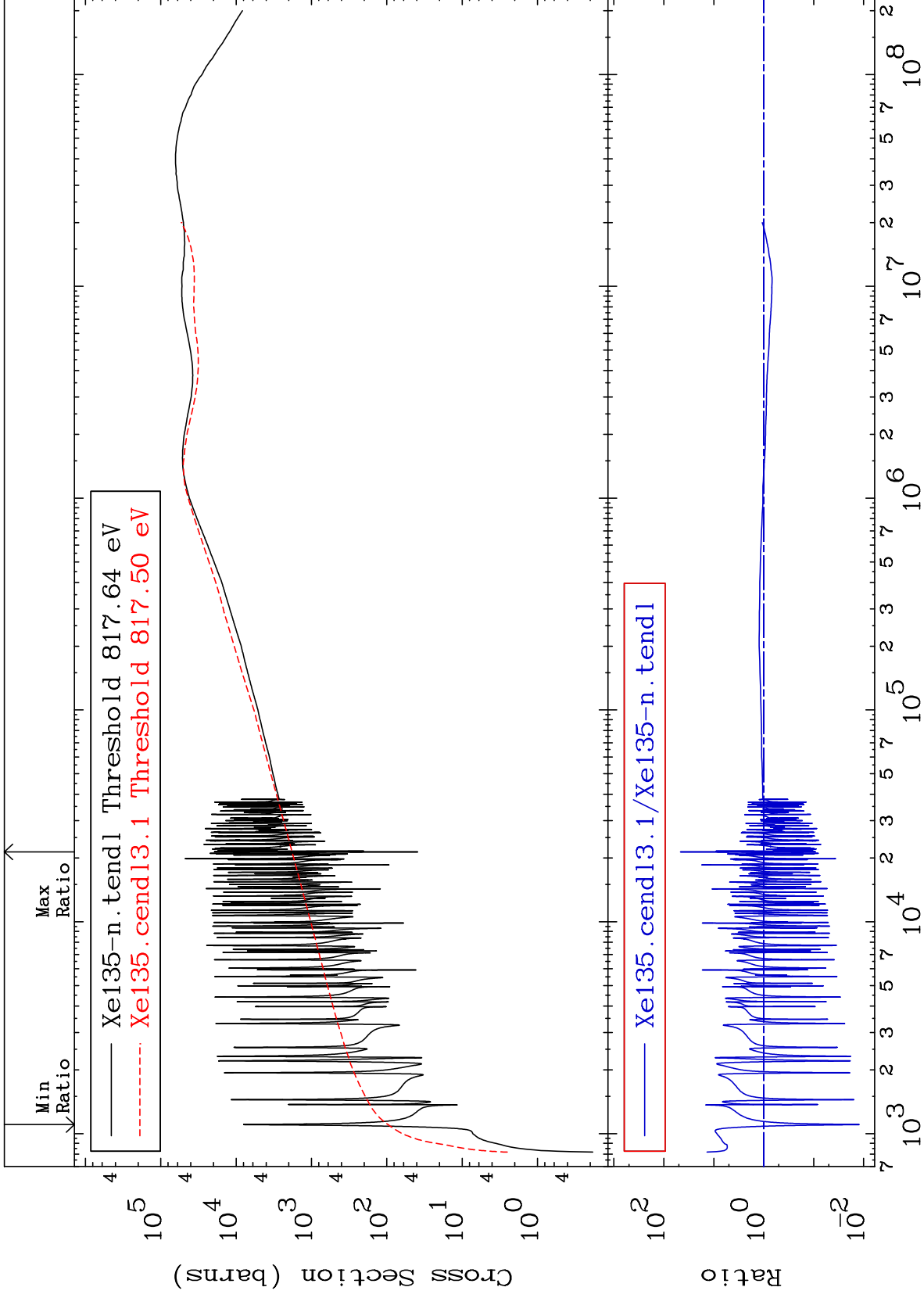
41

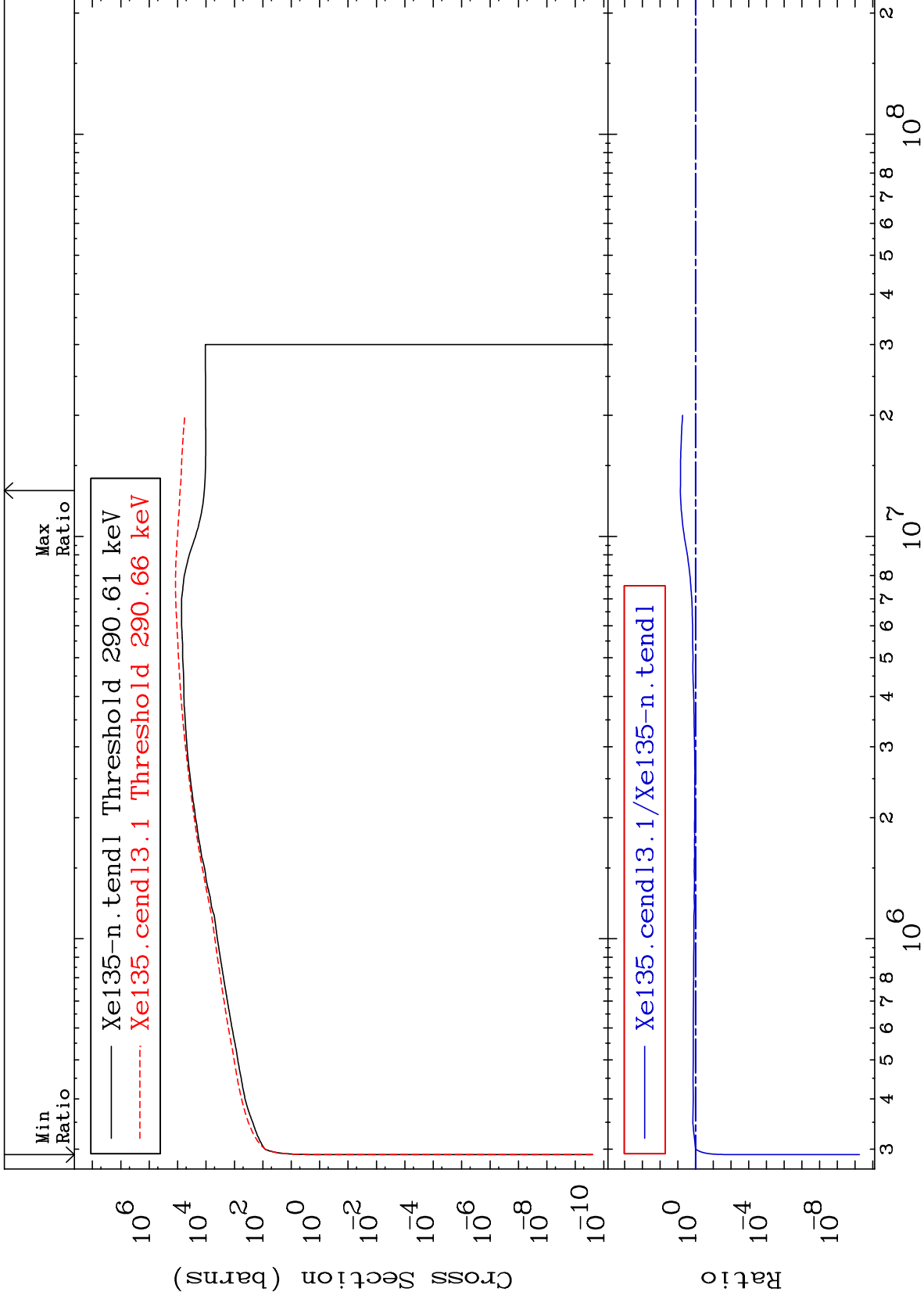
54-Xe-135

MAT 5458

Dpa elastic (mt2)  
Cross Section

54-Xe-135  
-98.79 To 4571. %

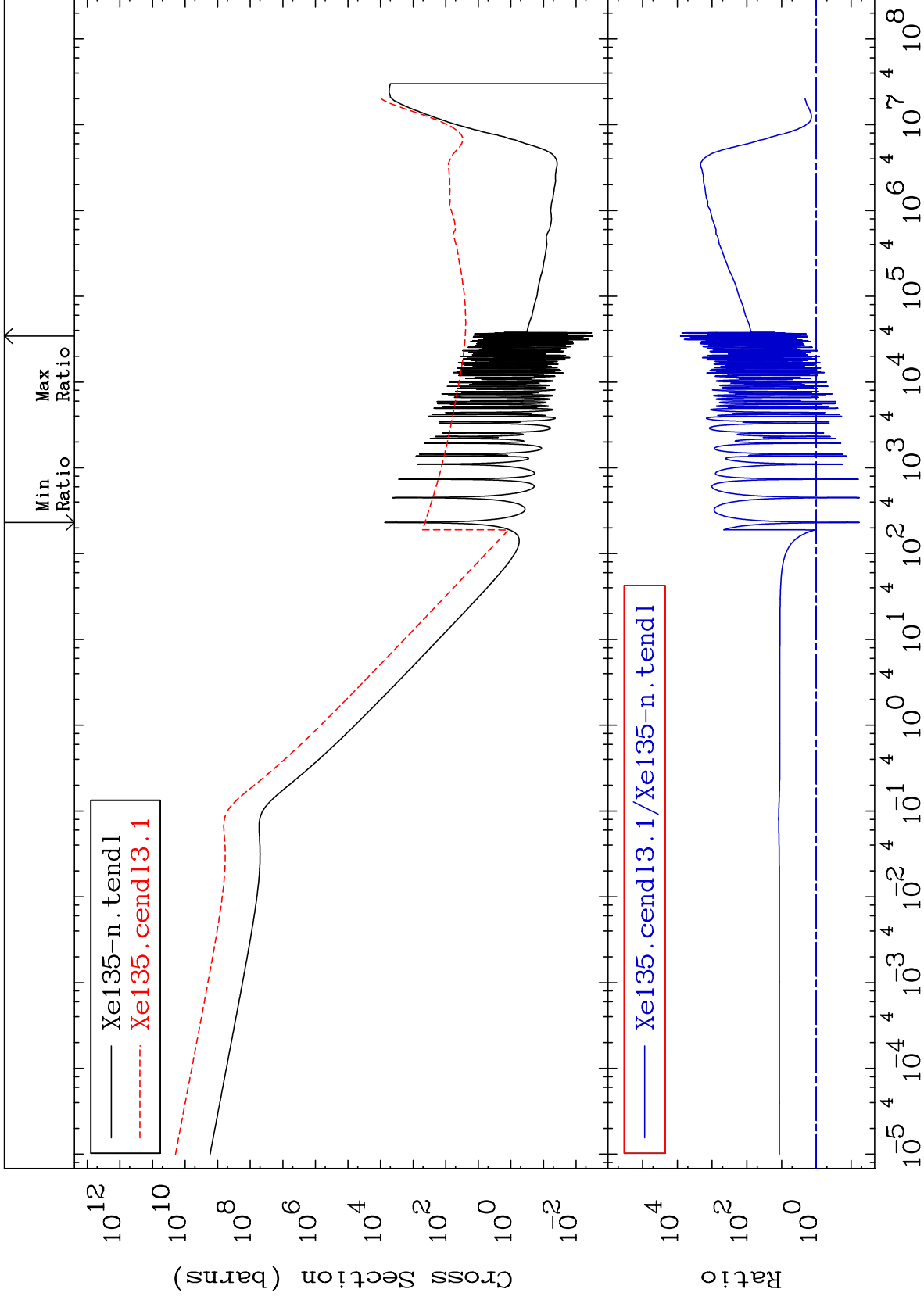




MAT 5458

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-135  
-94.24 To 9999. %



44

Incident Energy (eV)

54-Xe-135