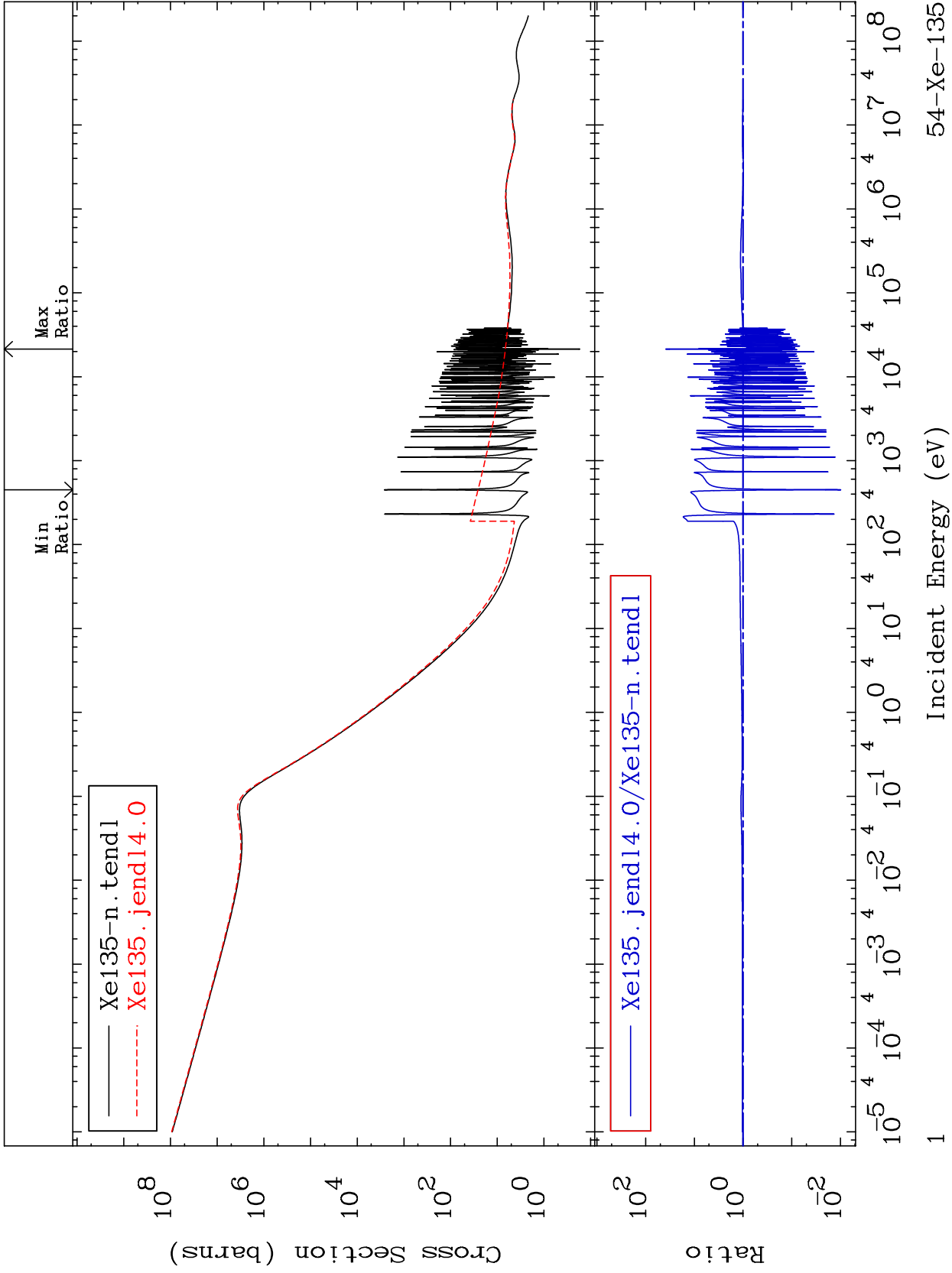


MAT 5458

Total Cross Section
54-Xe-135
-99.01 To 3814. %



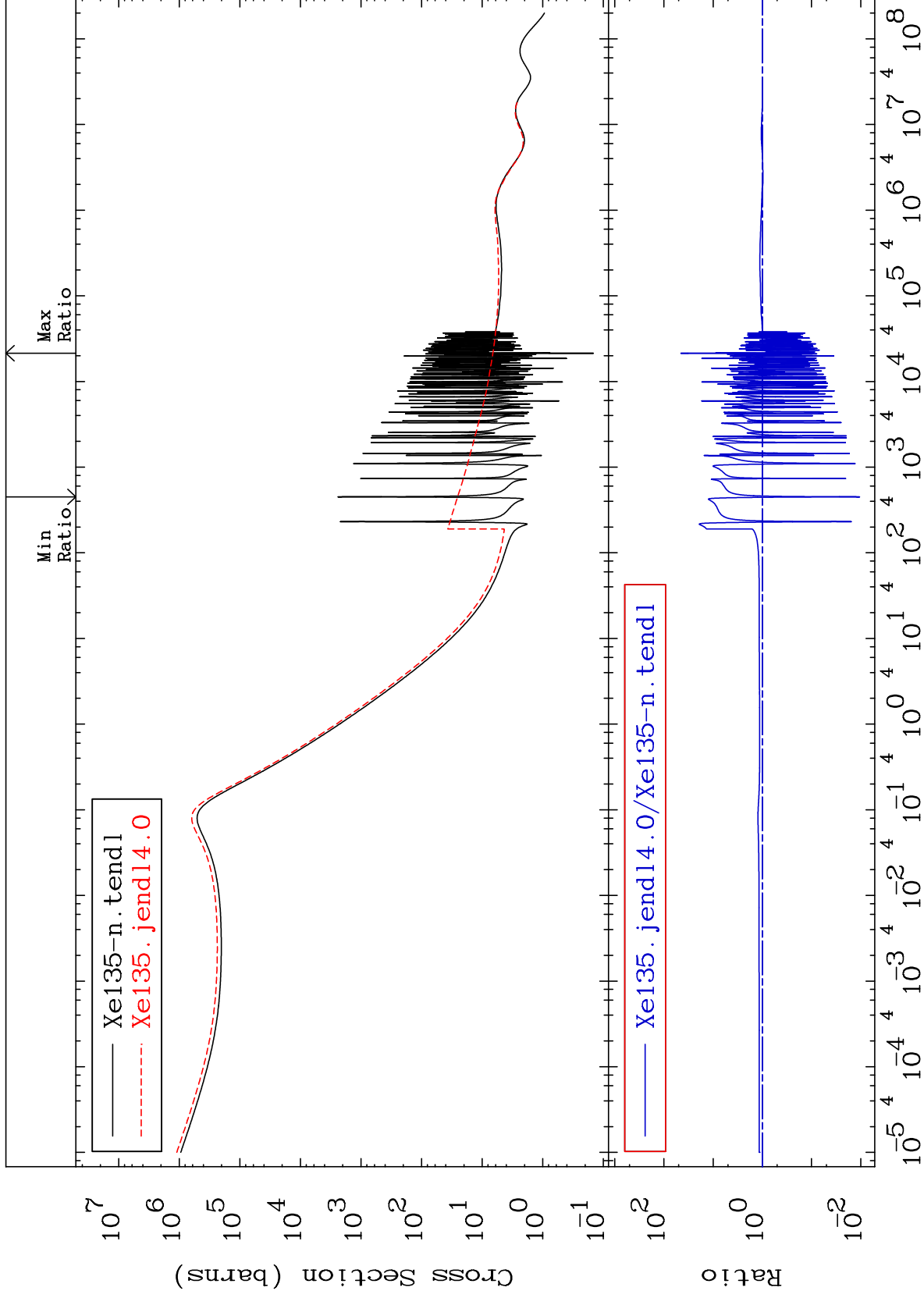
54-Xe-135

Incident Energy (eV)

MAT 5458

Elastic
Cross Section

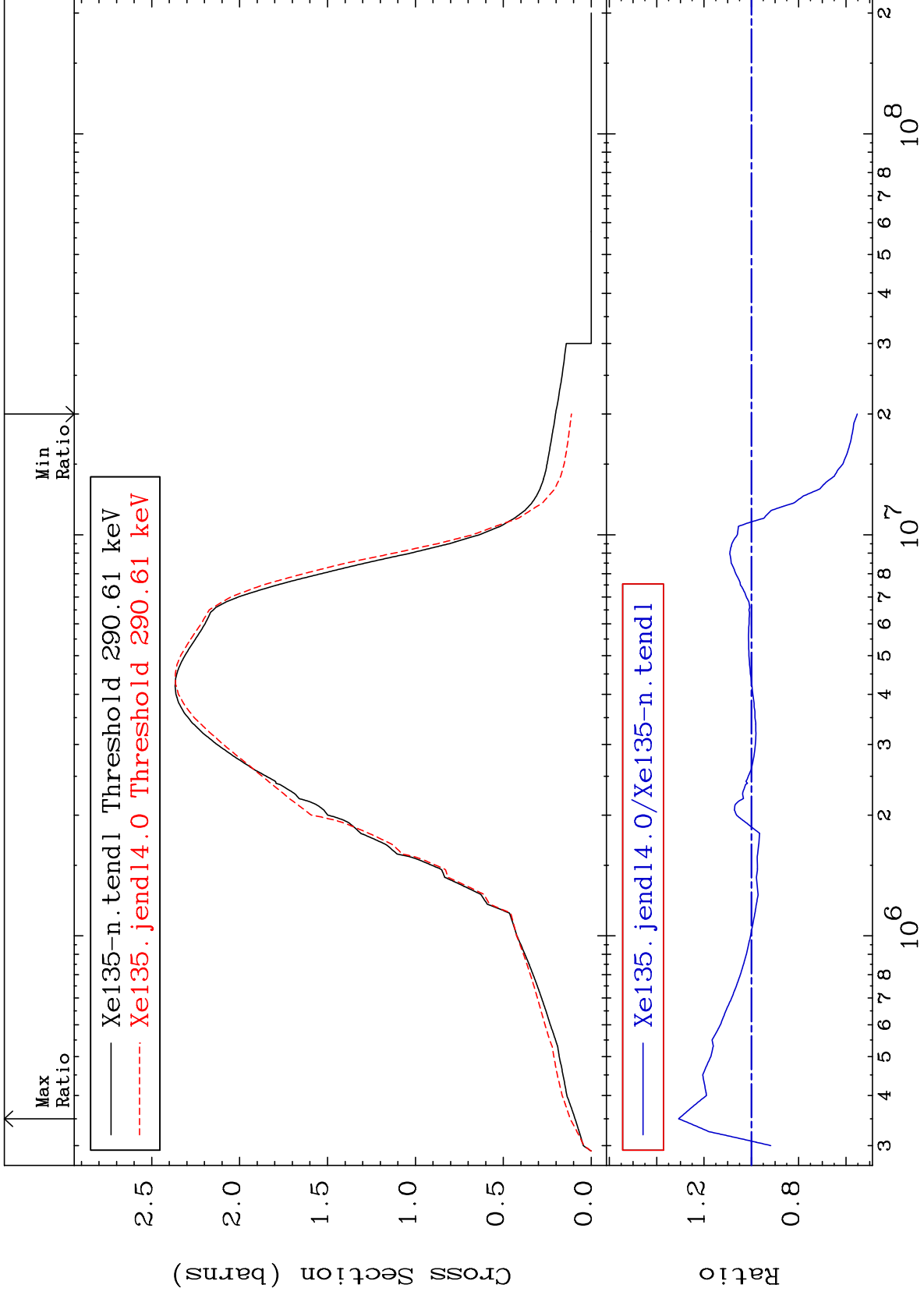
54-Xe-135
-98.94 To 4443. %



MAT 5458

Inelastic
Cross Section

54-Xe-135
-44.75 To 30.73 %



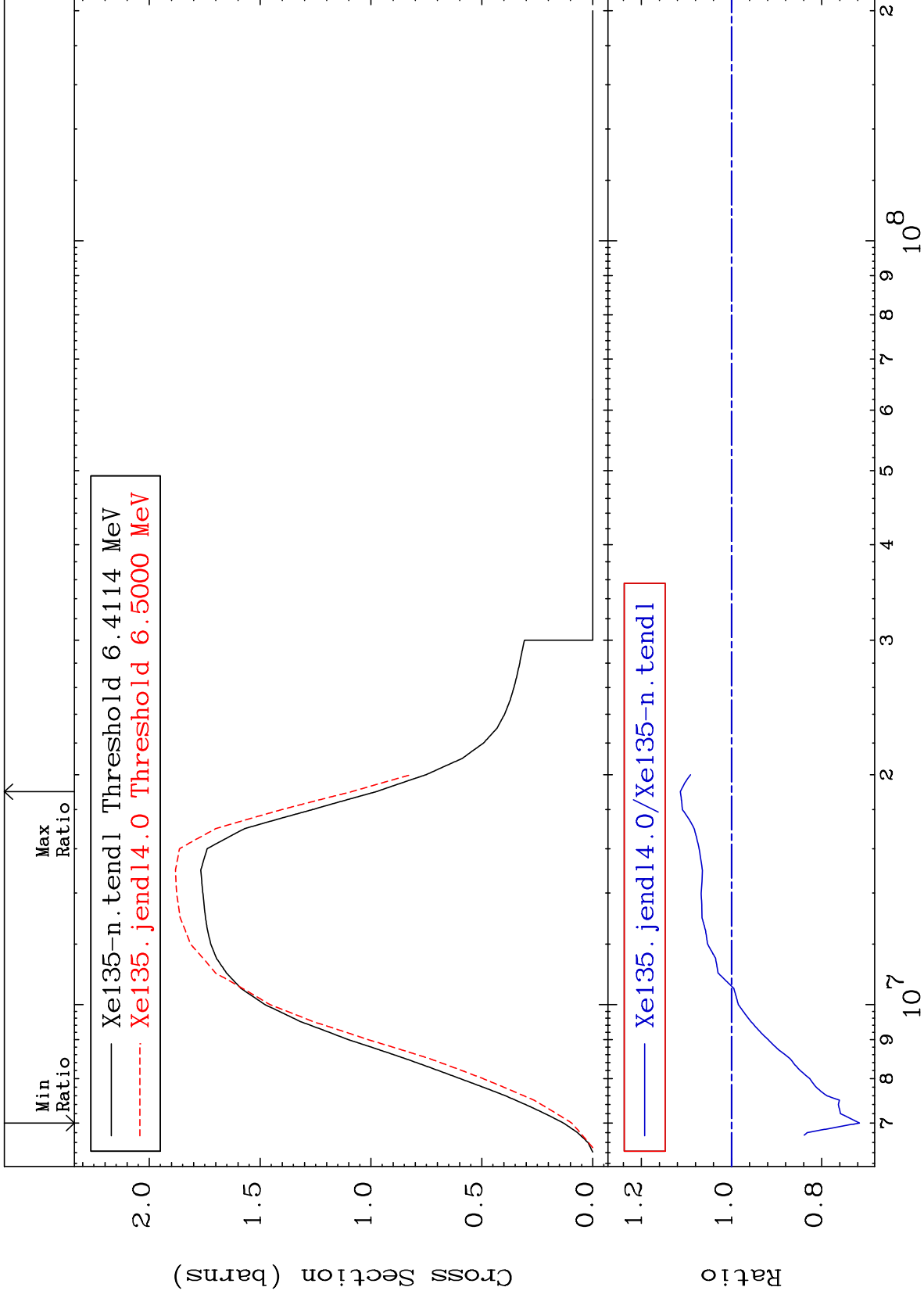
3

54-Xe-135

MAT 5458

(n,2n)
Cross Section

54-Xe-135
-28.36 To 11.35 %



4

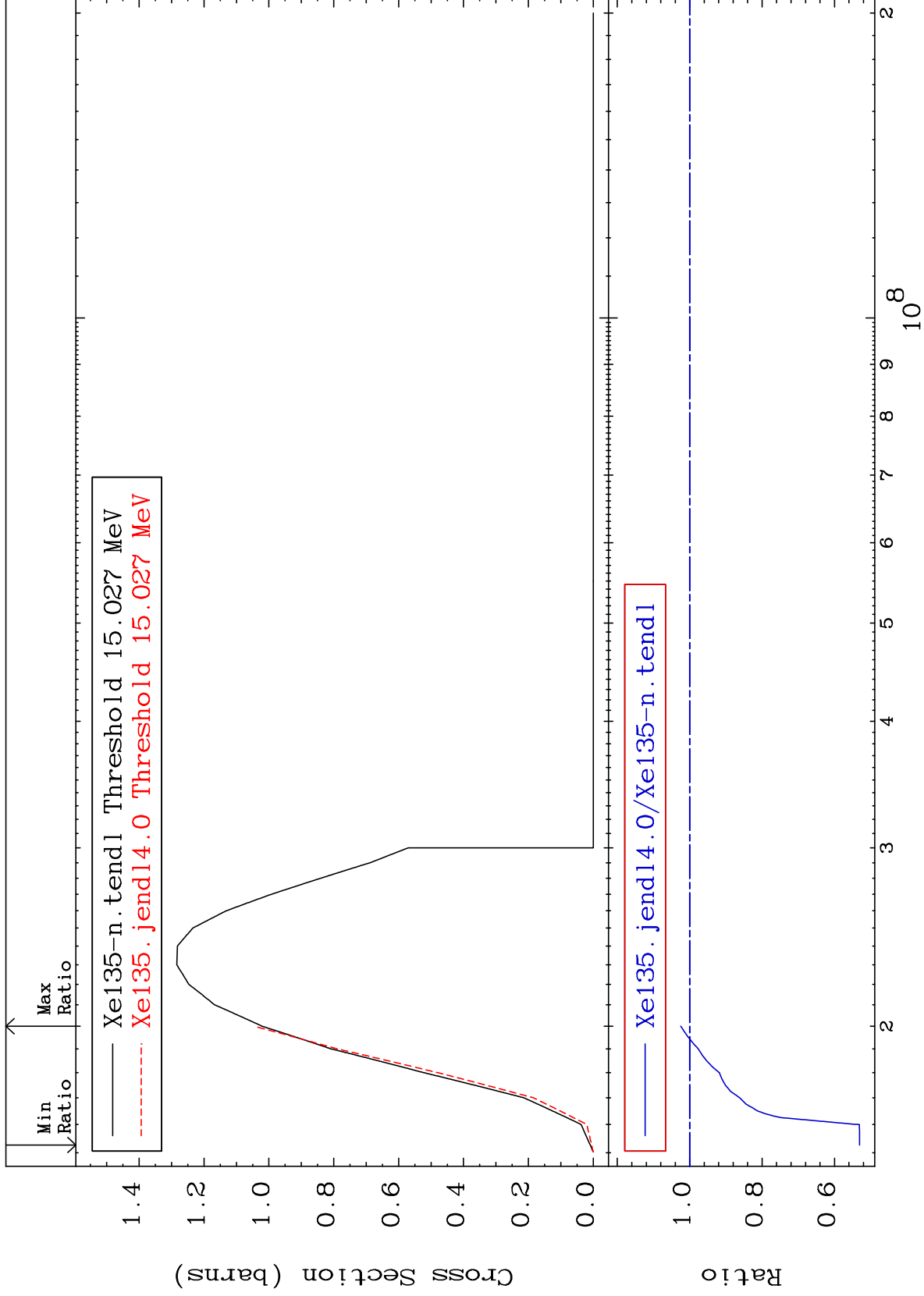
Incident Energy (eV)

54-Xe-135

MAT 5458

(n,3n)
Cross Section

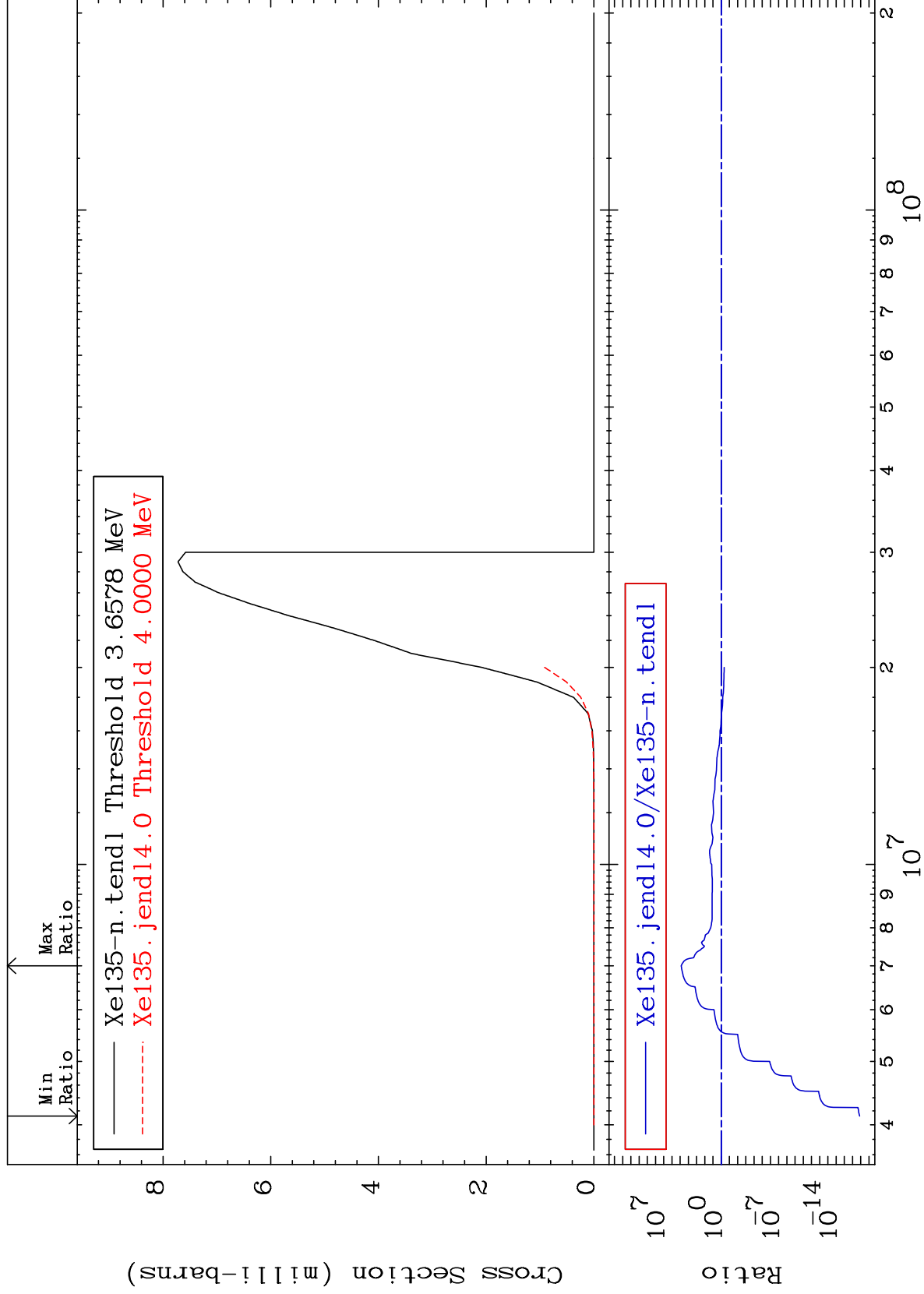
54-Xe-135
-46.92 To 2.472 %



MAT 5458

(n, n') α
Cross Section

54-Xe-135
-100.0 To 9999. %



6

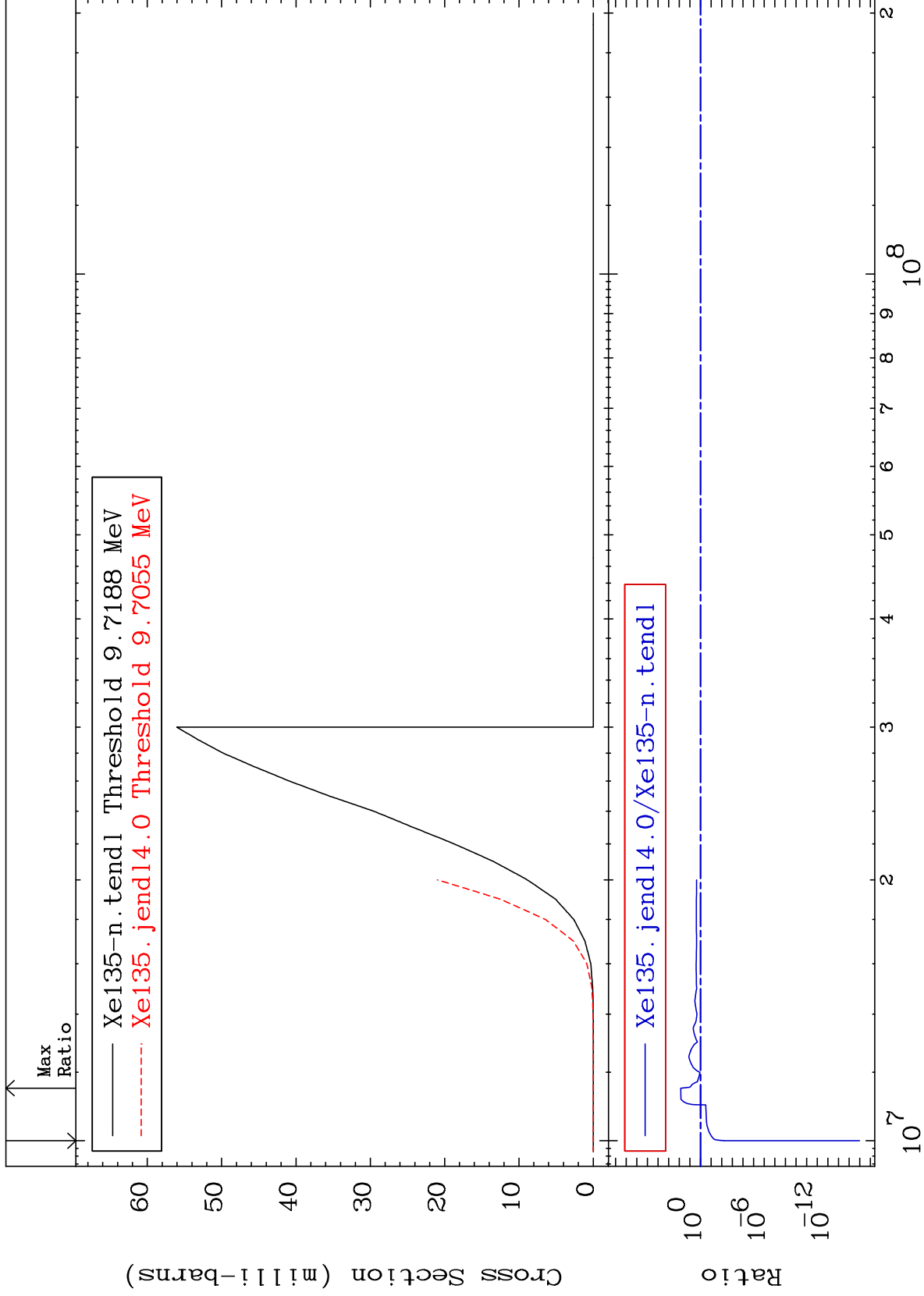
Incident Energy (eV)

54-Xe-135

MAT 5458

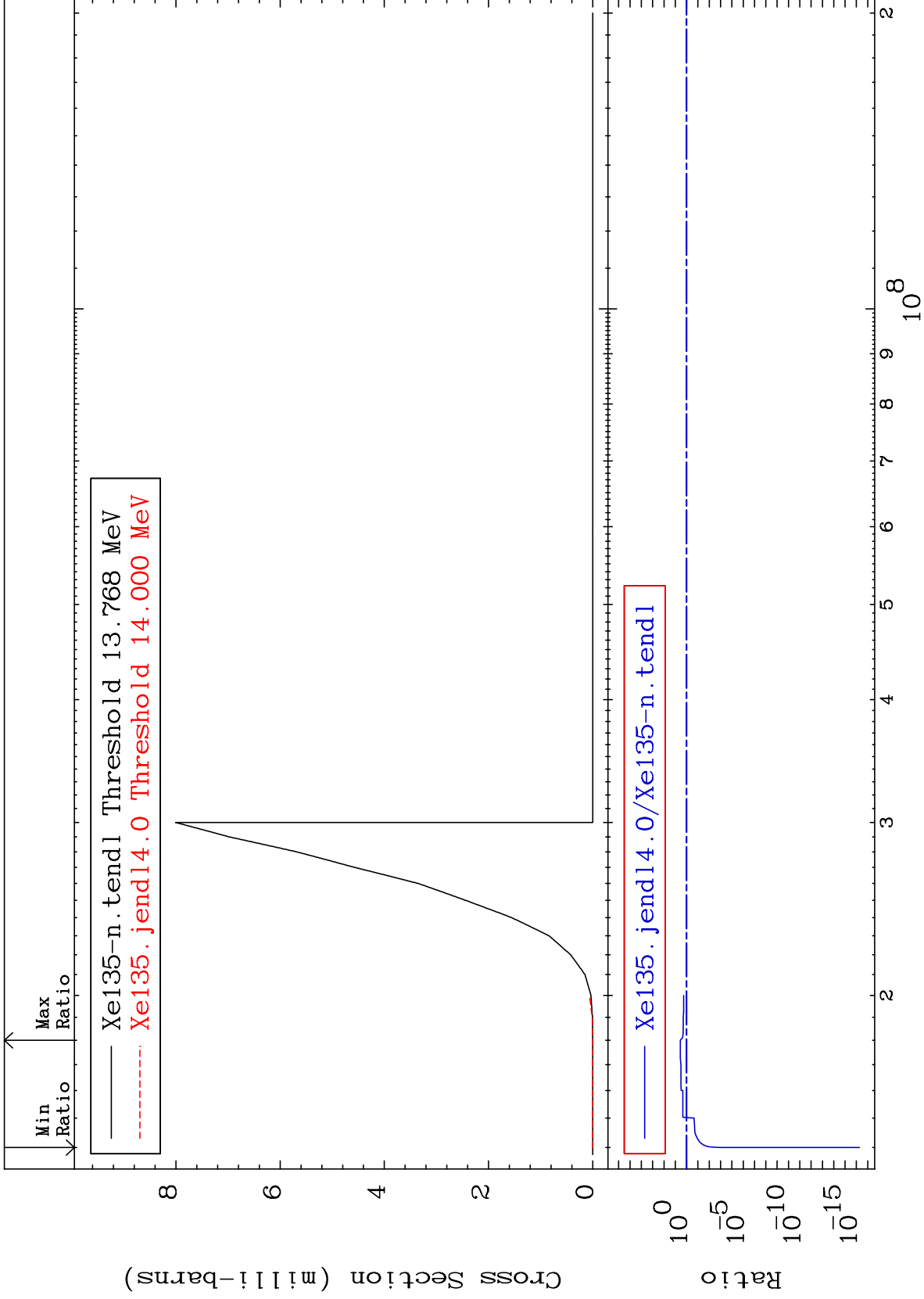
(n,n') p
Cross Section

54-Xe-135
-100.0 To 7198. %



54-Xe-135

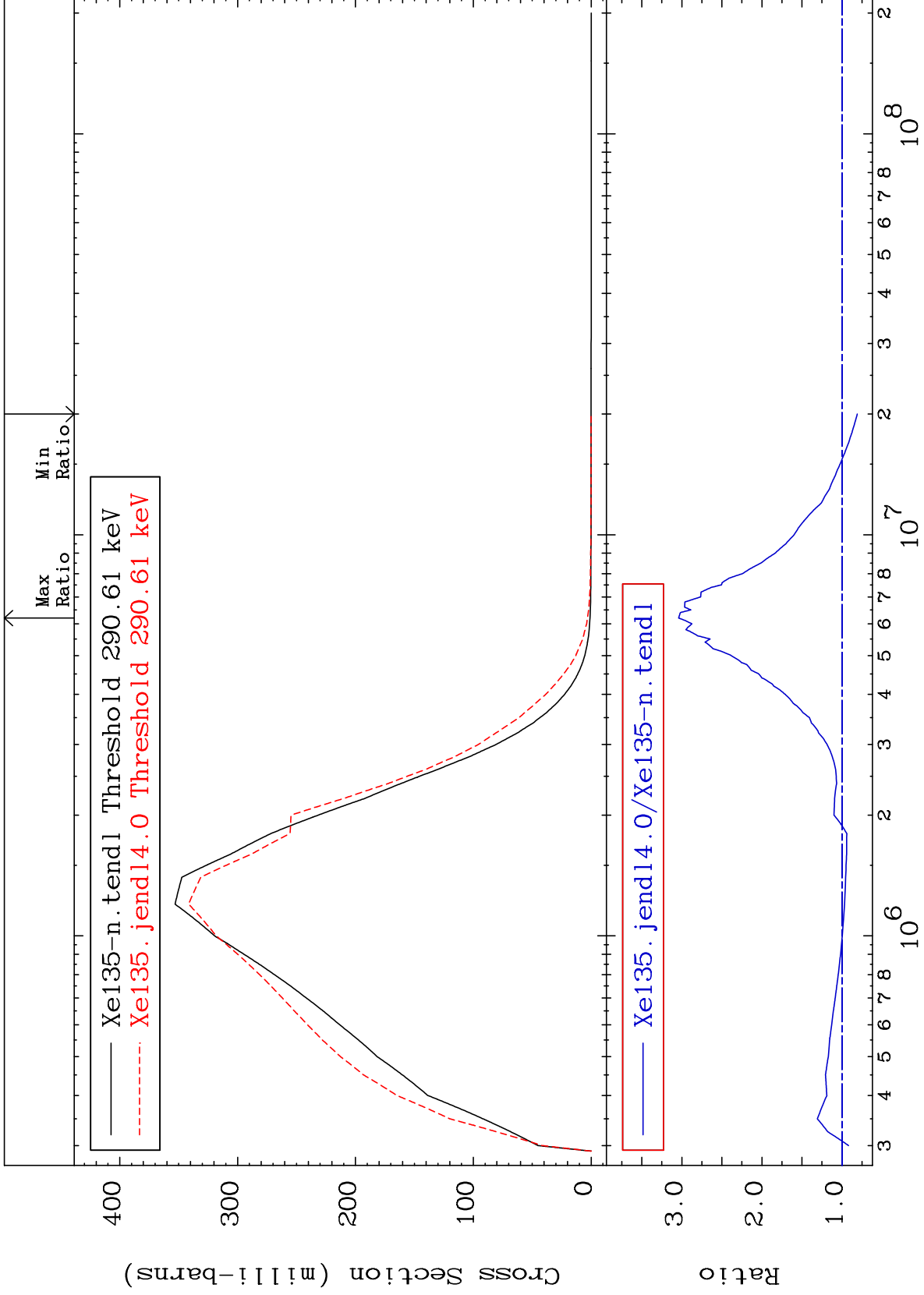
7



MAT 5458

288.5 keV (n,n') Level
Cross Section

54-Xe-135
-19.08 To 204.0 %



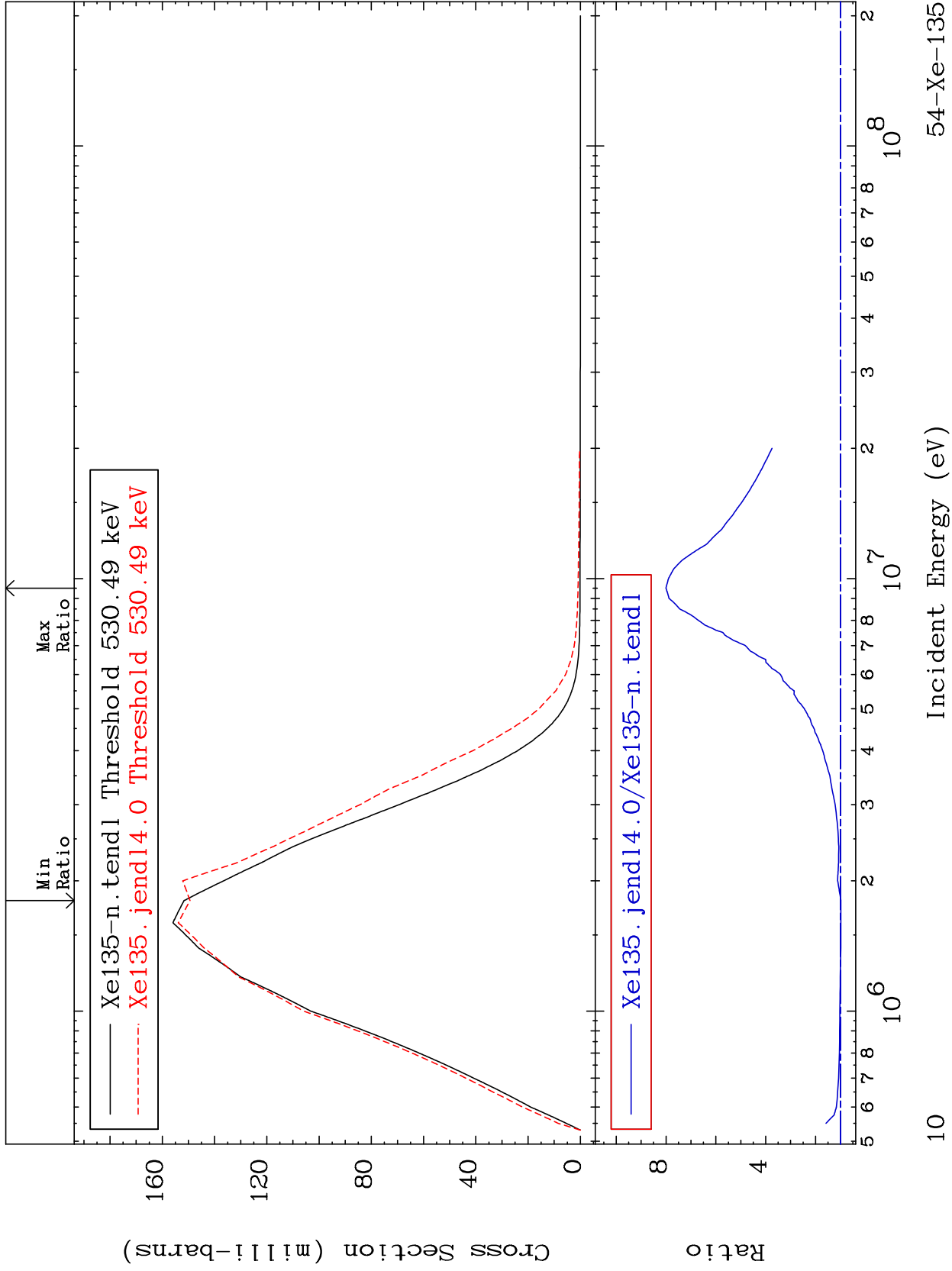
MAT 5458

526.6 keV (n,n') Level

54-Xe-135

-1.514 To 700.4 %

Cross Section



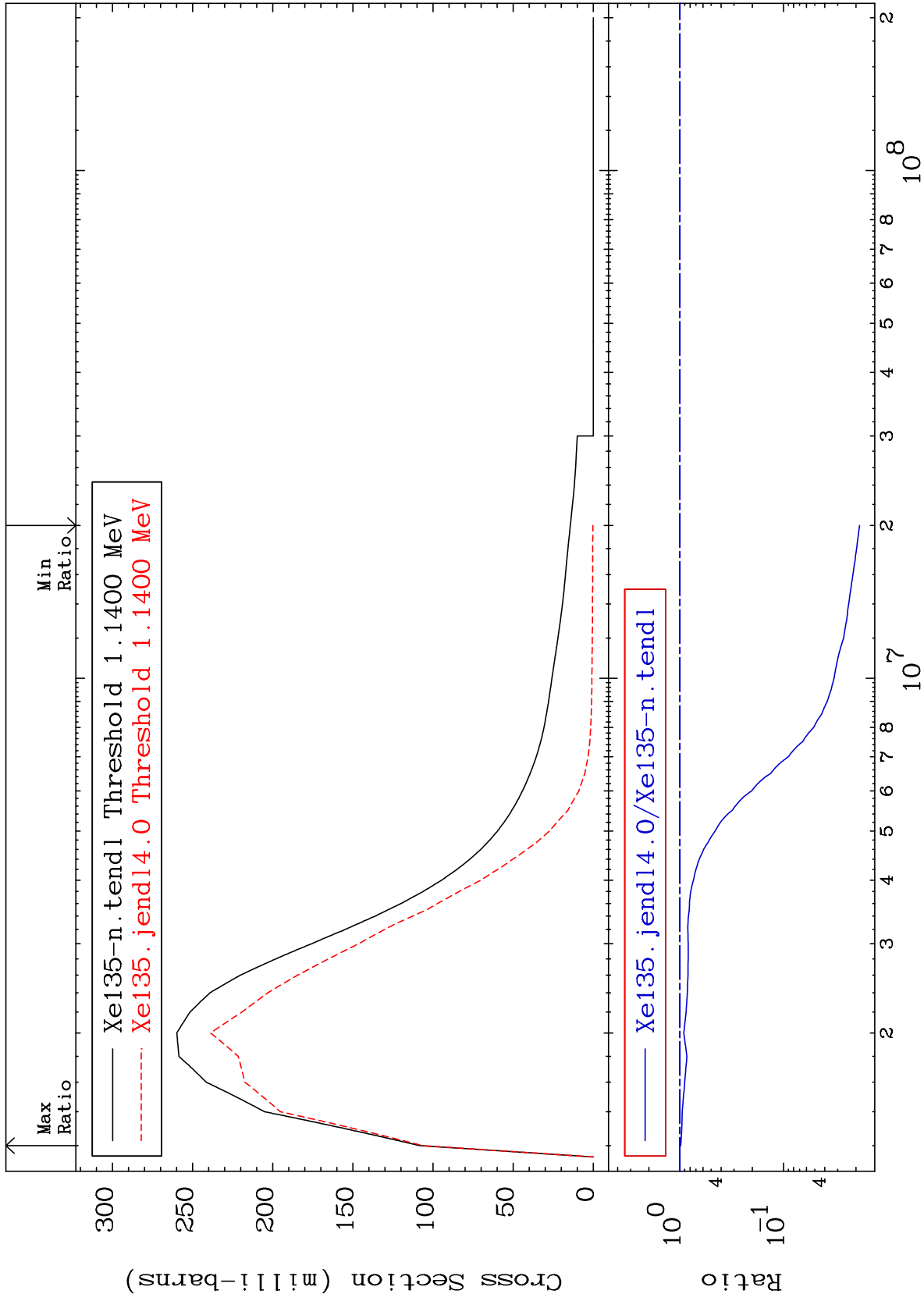
MAT 5458

1.132 MeV (n,n') Level

54-Xe-135

-98.16 To -1.791%

Cross Section



11

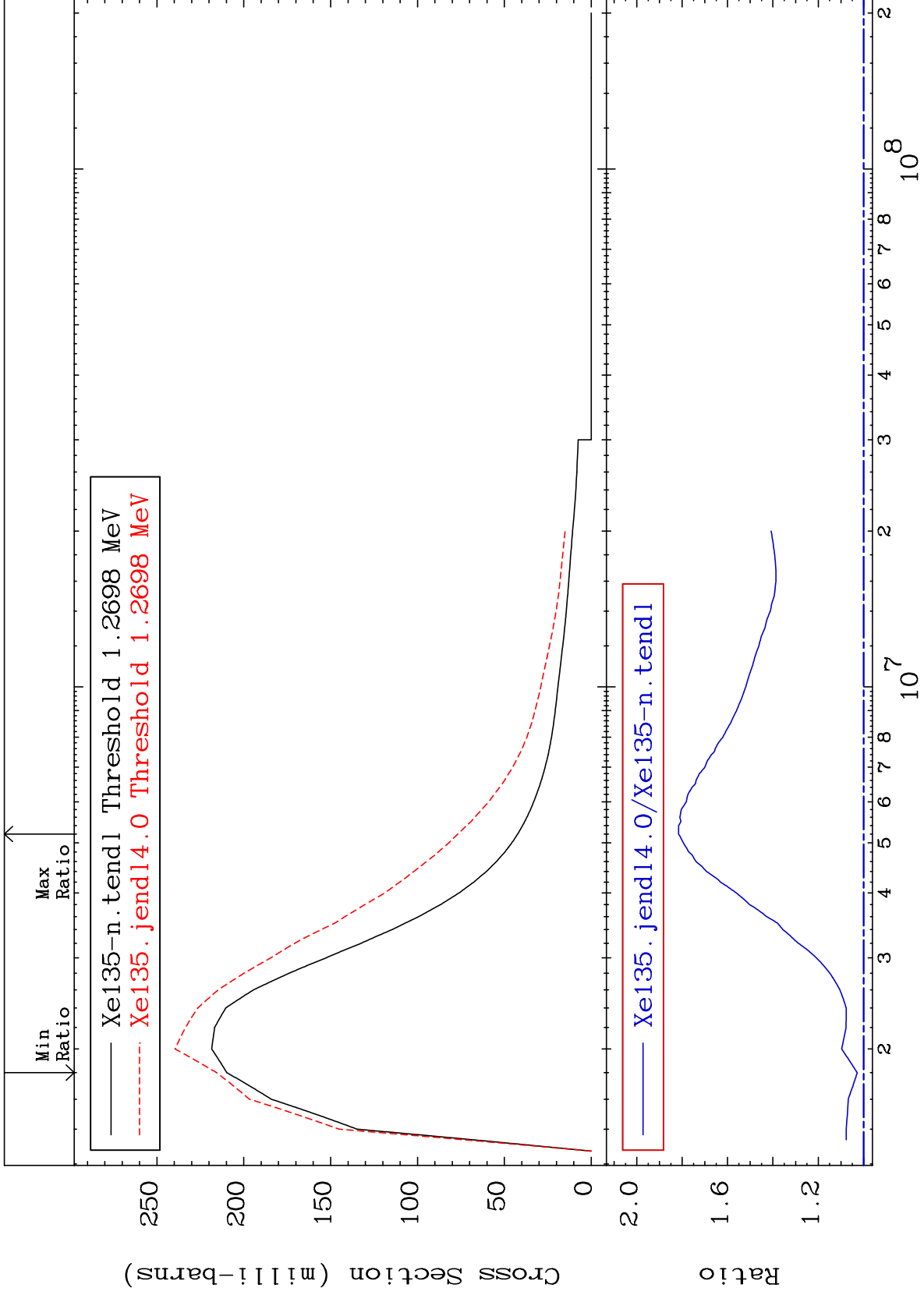
Incident Energy (eV)

54-Xe-135

MAT 5458

1.260 MeV (n,n') Level
Cross Section

54-Xe-135
2.804 To 81.58 %



12

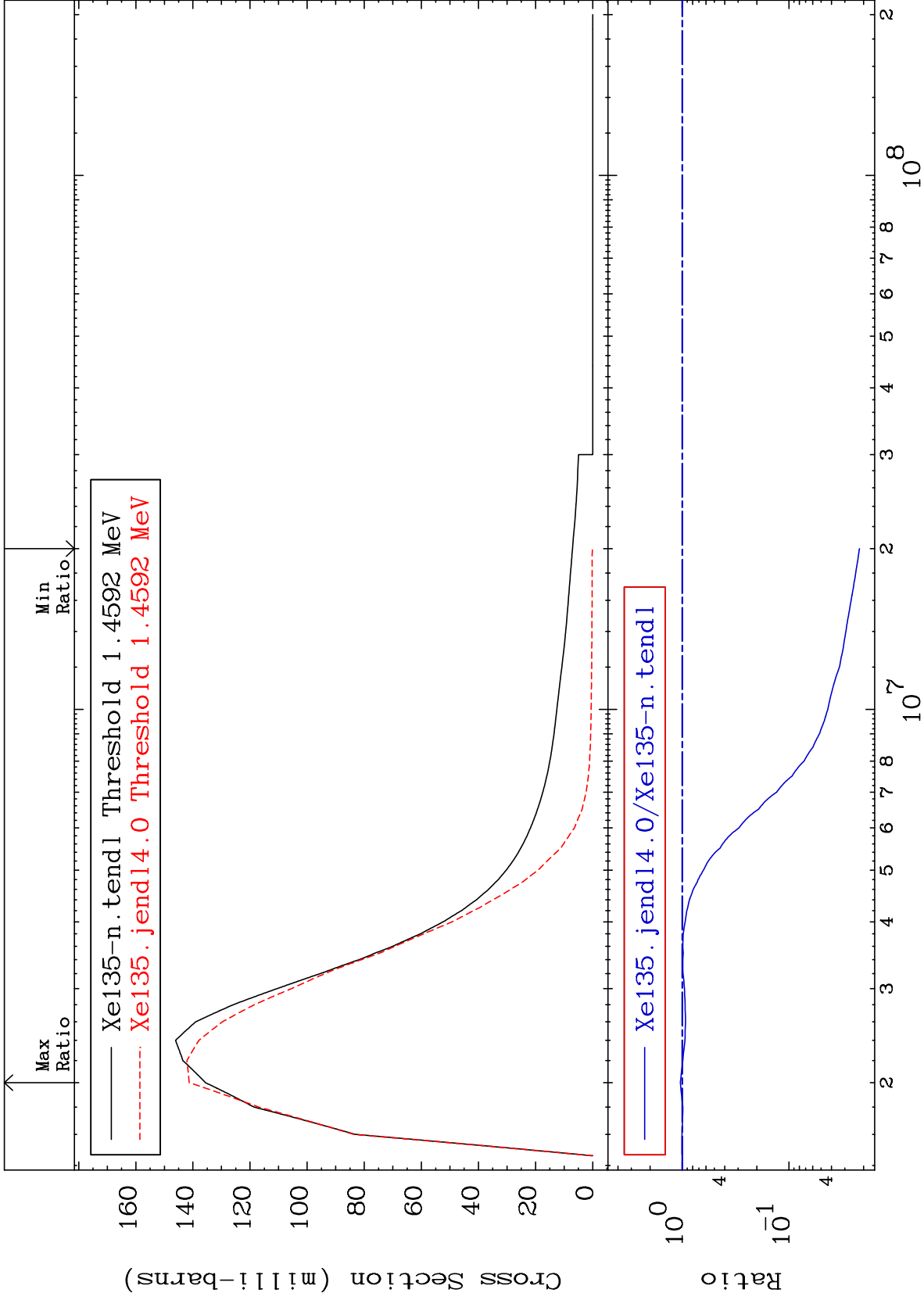
Incident Energy (eV)

54-Xe-135

MAT 5458

1.448 MeV (n,n') Level
Cross Section

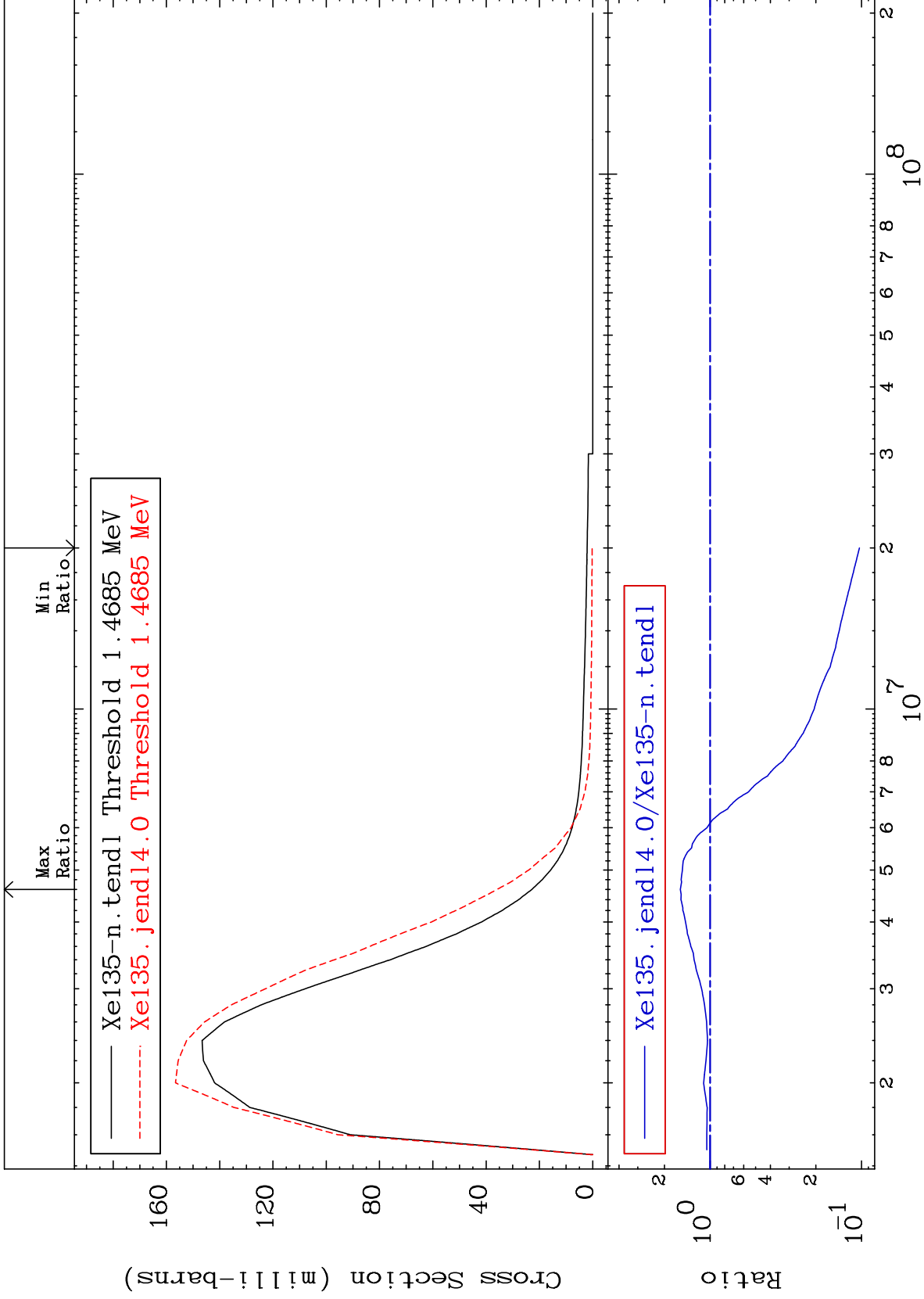
54-Xe-135
-97.81 To 4.180 %



MAT 5458

1.458 MeV (n,n') Level
Cross Section

54-Xe-135
-89.68 To 57.16 %



14

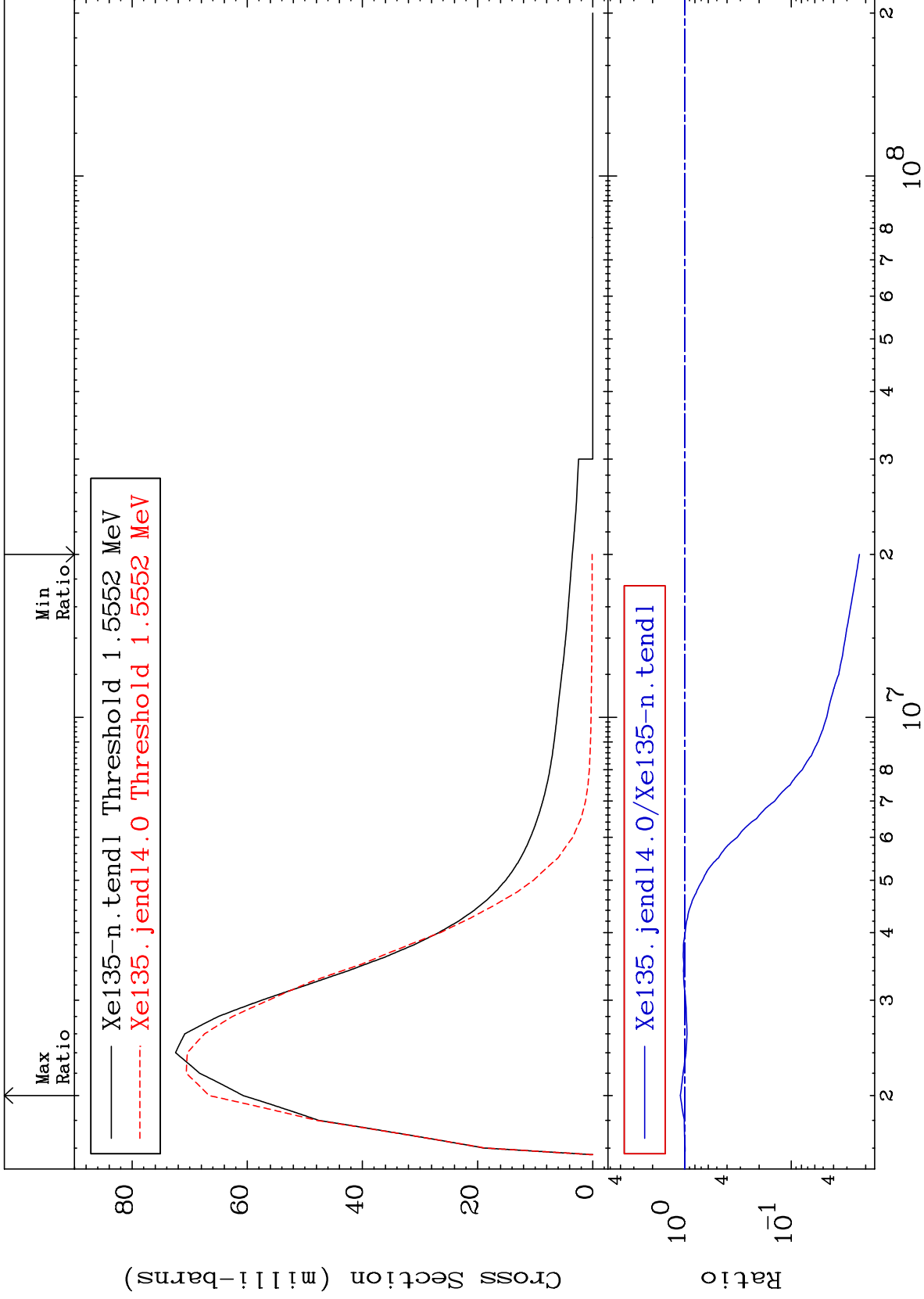
Incident Energy (eV)

54-Xe-135

MAT 5458

1.544 MeV (n,n') Level
Cross Section

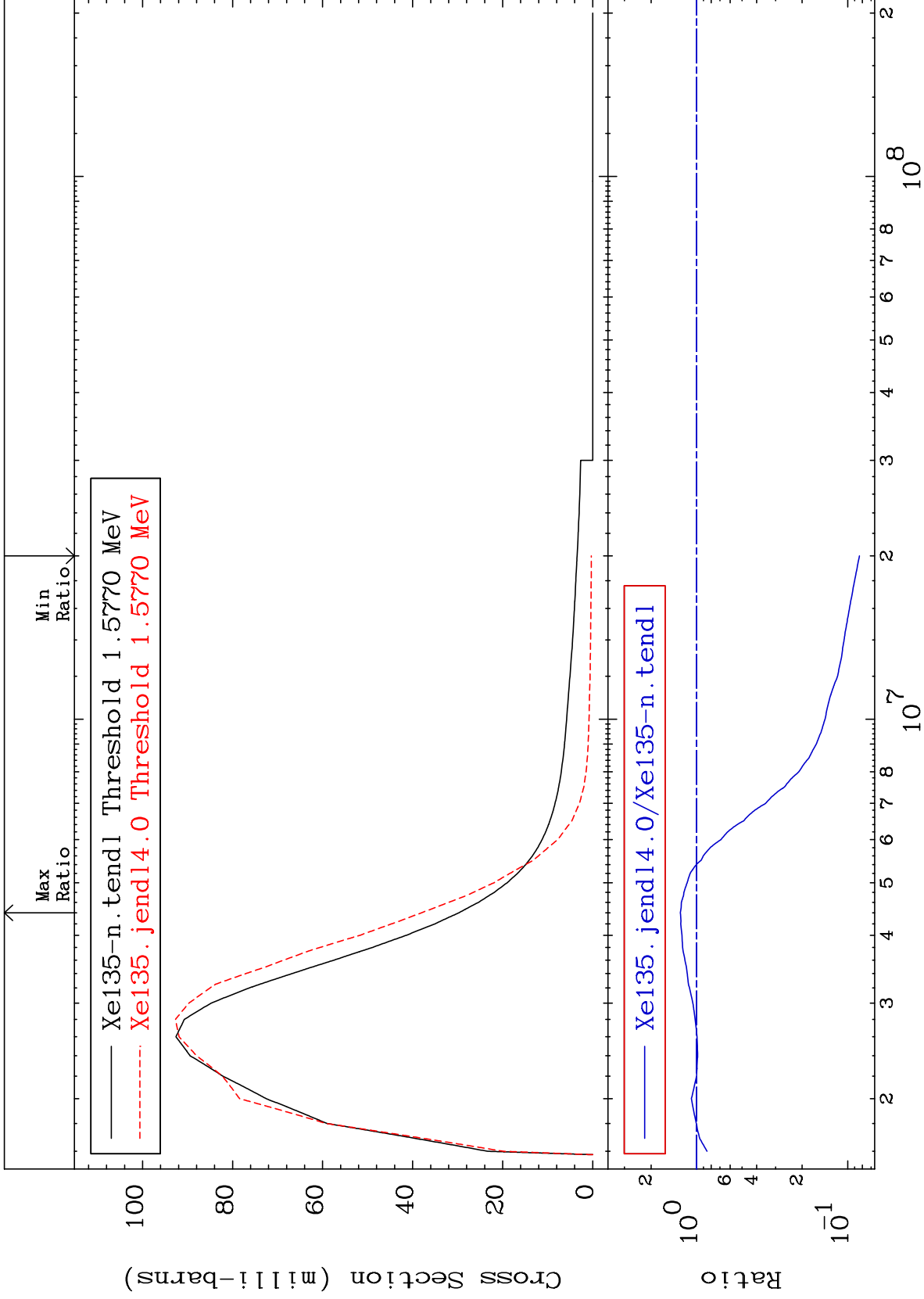
54-Xe-135
-97.71 To 9.740 %



MAT 5458

1.565 MeV (n,n') Level
Cross Section

54-Xe-135
-91.64 To 28.04 %



16

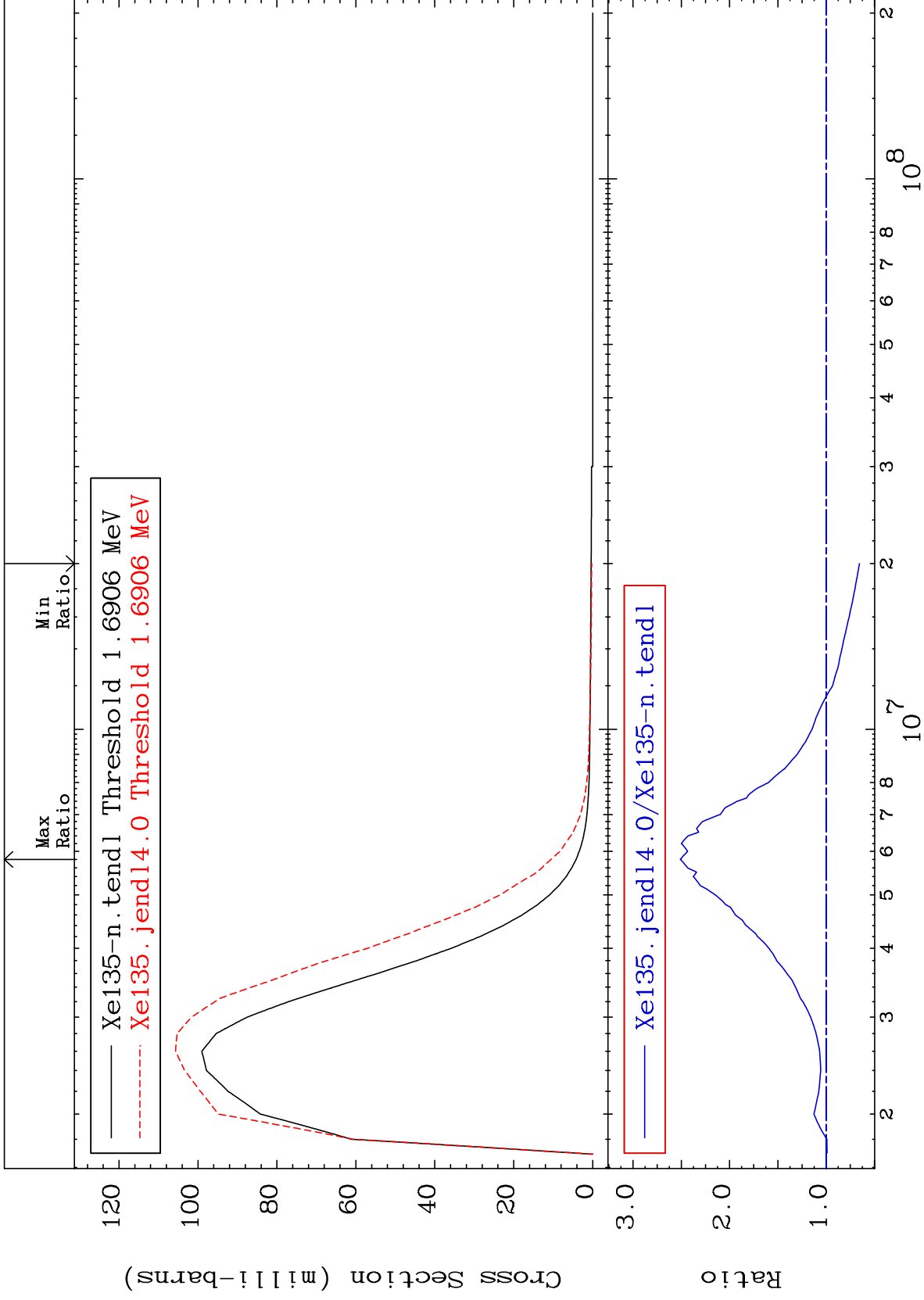
Incident Energy (eV)

54-Xe-135

MAT 5458

1.678 MeV (n,n') Level
Cross Section

54-Xe-135
-34.43 To 151.0 %



17

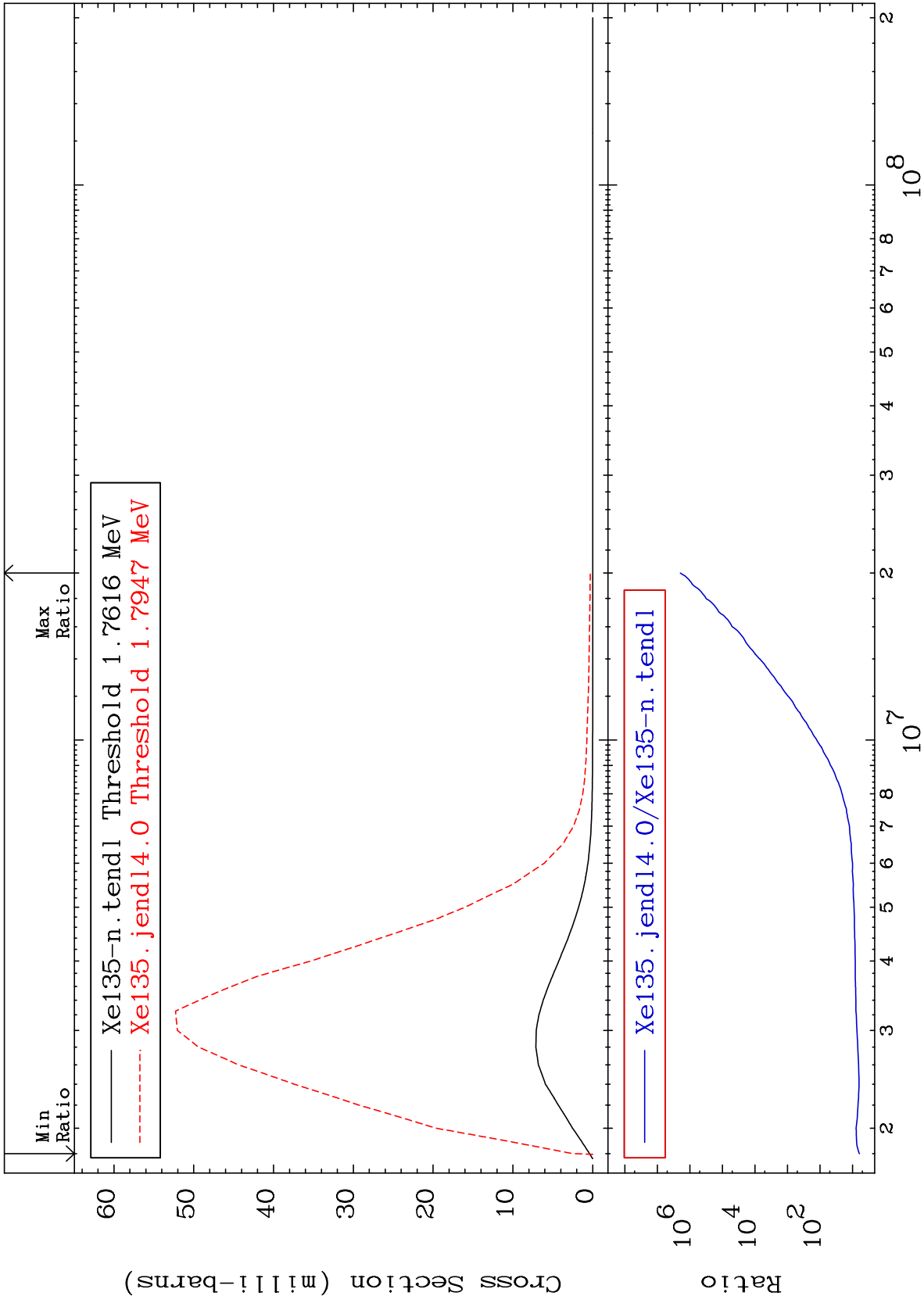
Incident Energy (eV)

54-Xe-135

MAT 5458

1.749 MeV (n,n') Level
Cross Section

54-Xe-135
517.1 To 9999. %



18

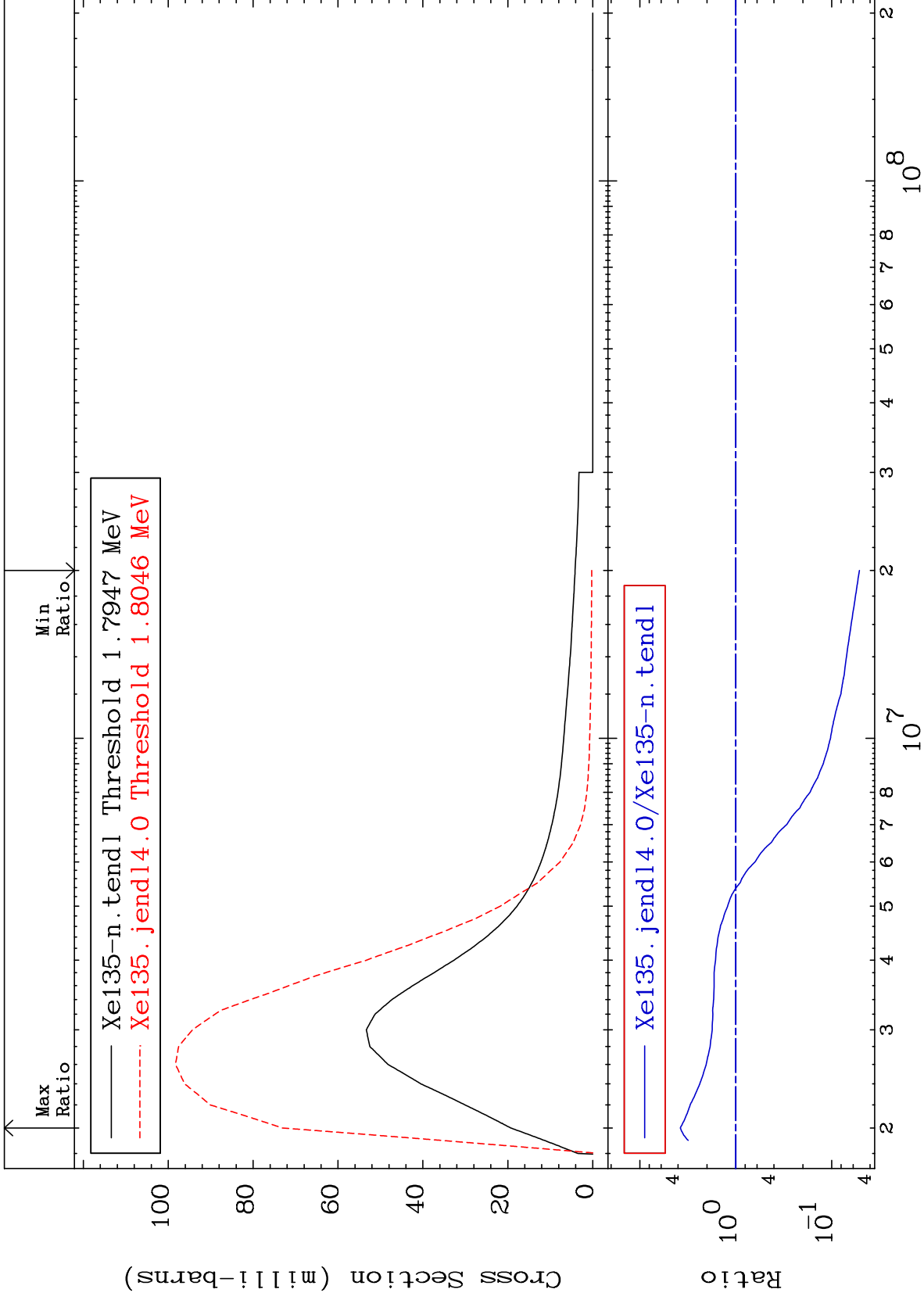
Incident Energy (eV)

54-Xe-135

MAT 5458

1.781 MeV (n,n') Level
Cross Section

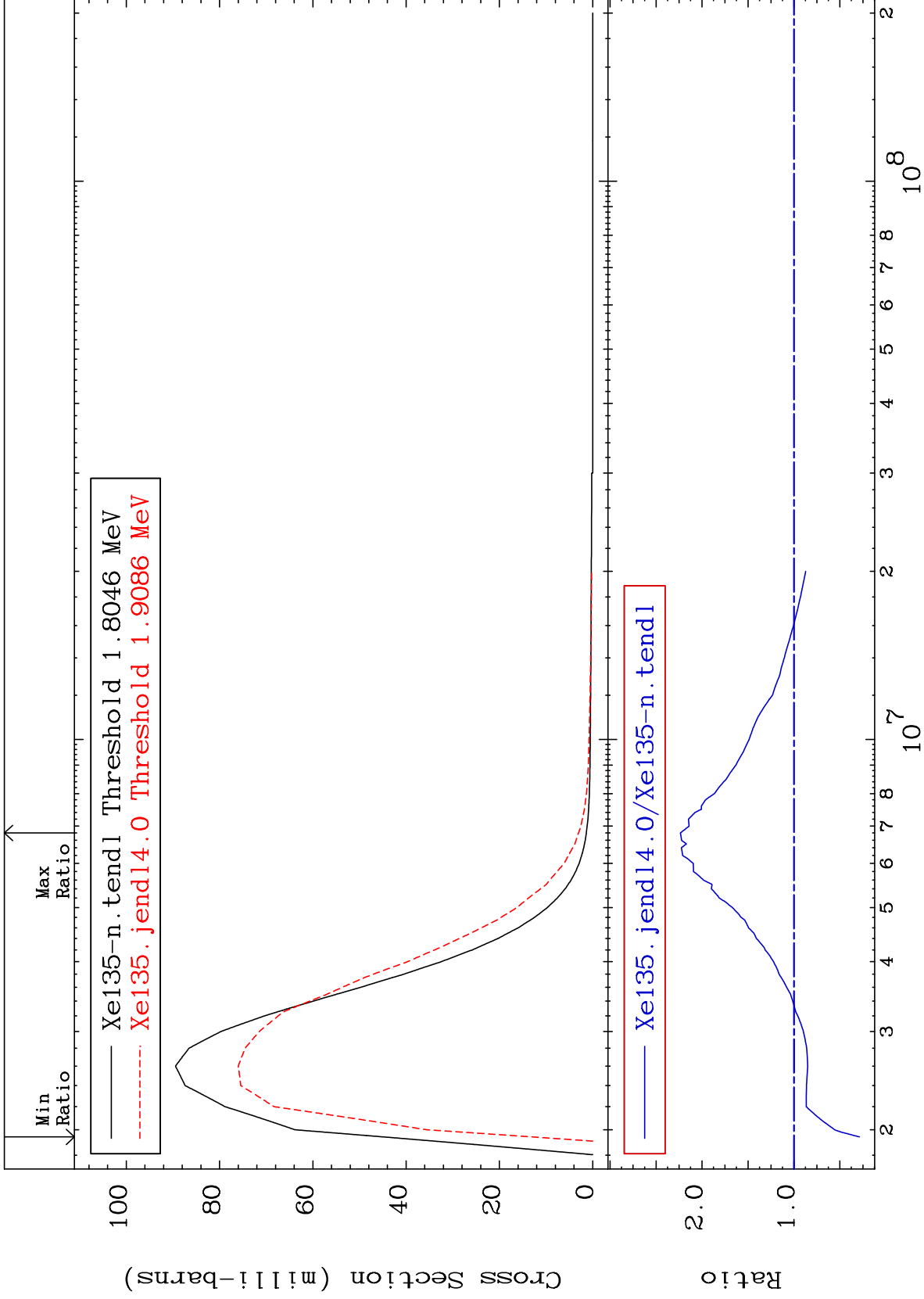
54-Xe-135
-94.85 To 278.7 %



MAT 5458

1.791 MeV (n,n') Level
Cross Section

54-Xe-135
-71.24 To 123.6 %



20

Incident Energy (eV)

54-Xe-135

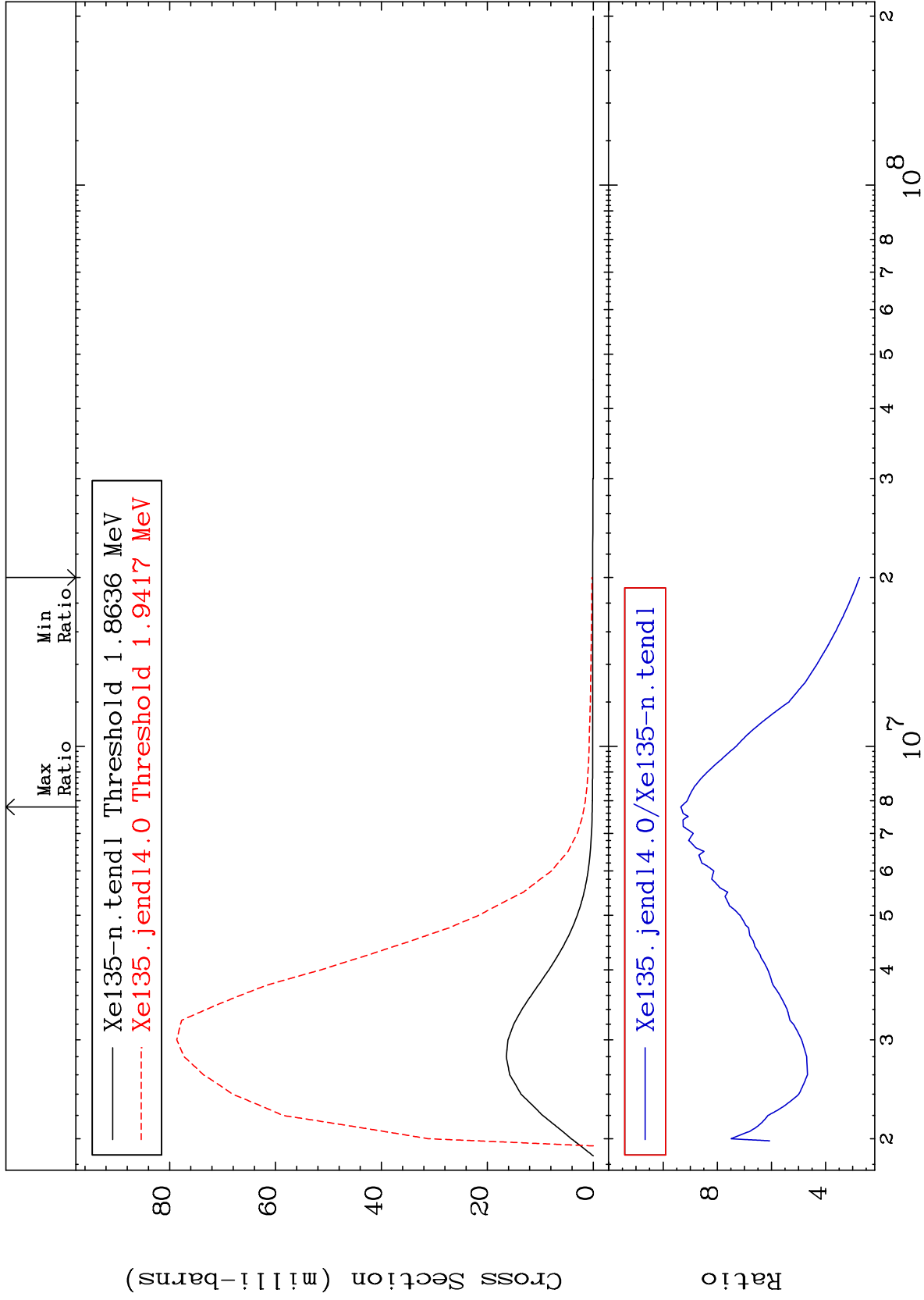
MAT 5458

1.850 MeV (n,n') Level

54-Xe-135

174.9 To 834.9 %

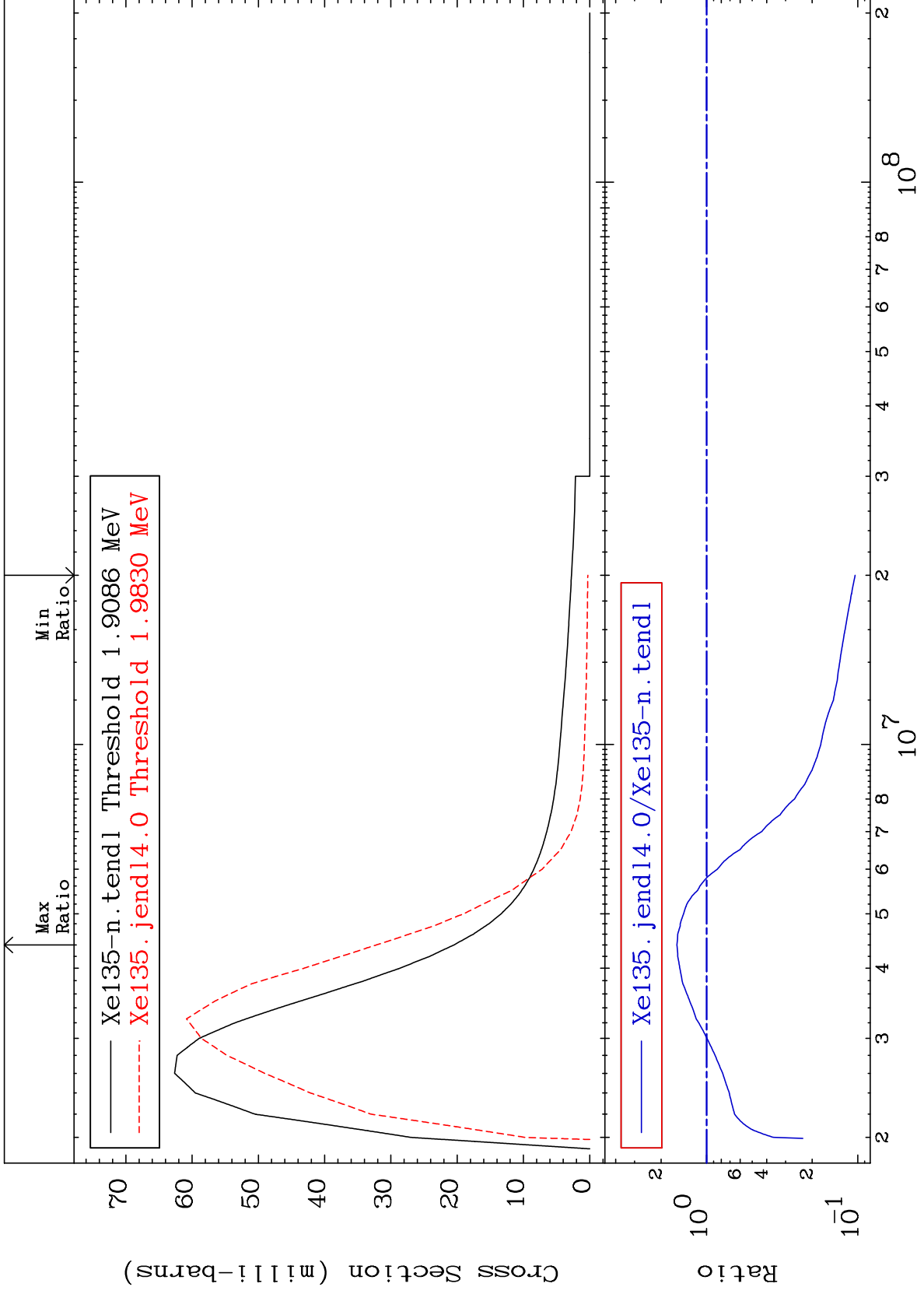
Cross Section

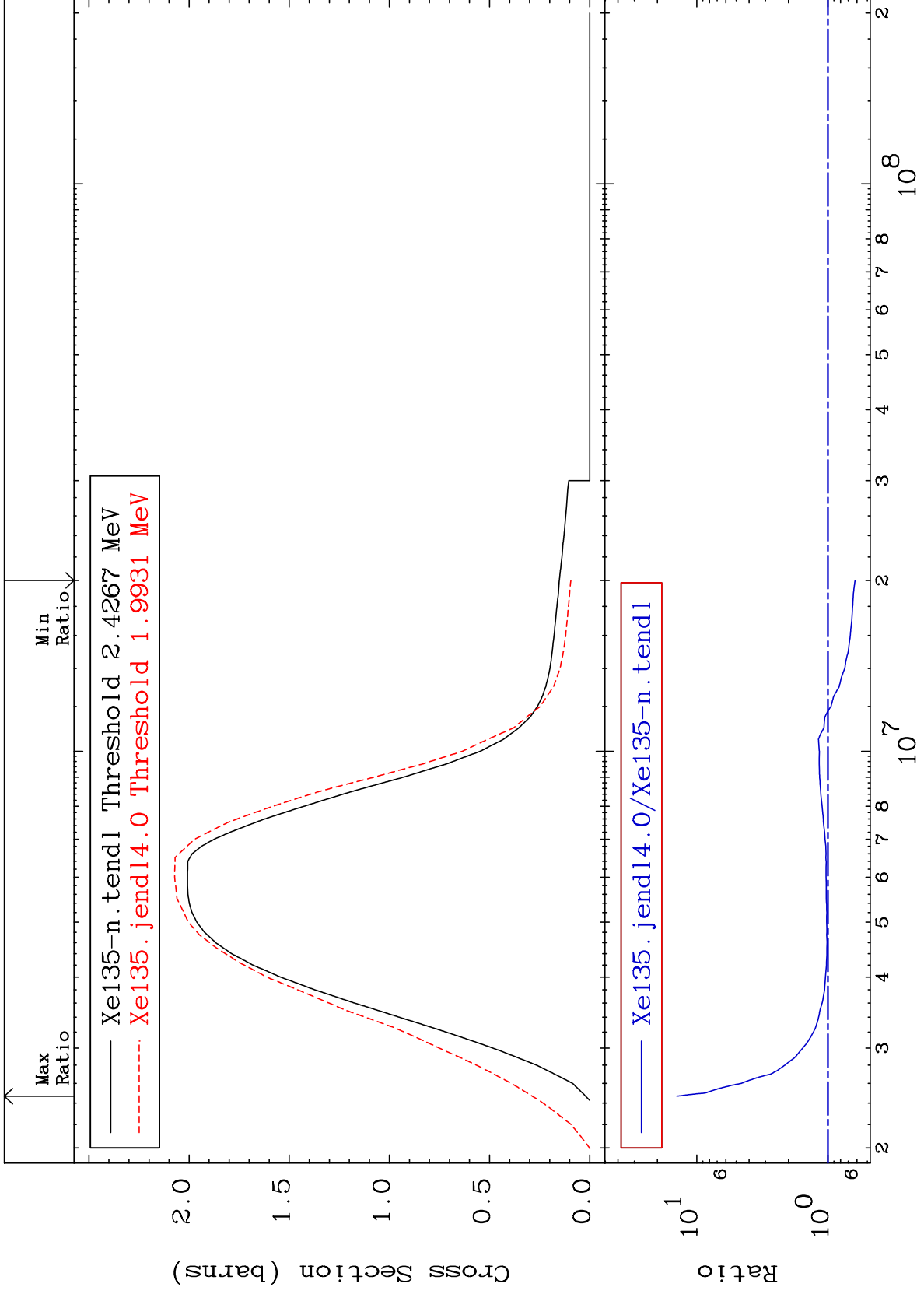


MAT 5458

1.894 MeV (n,n') Level
Cross Section

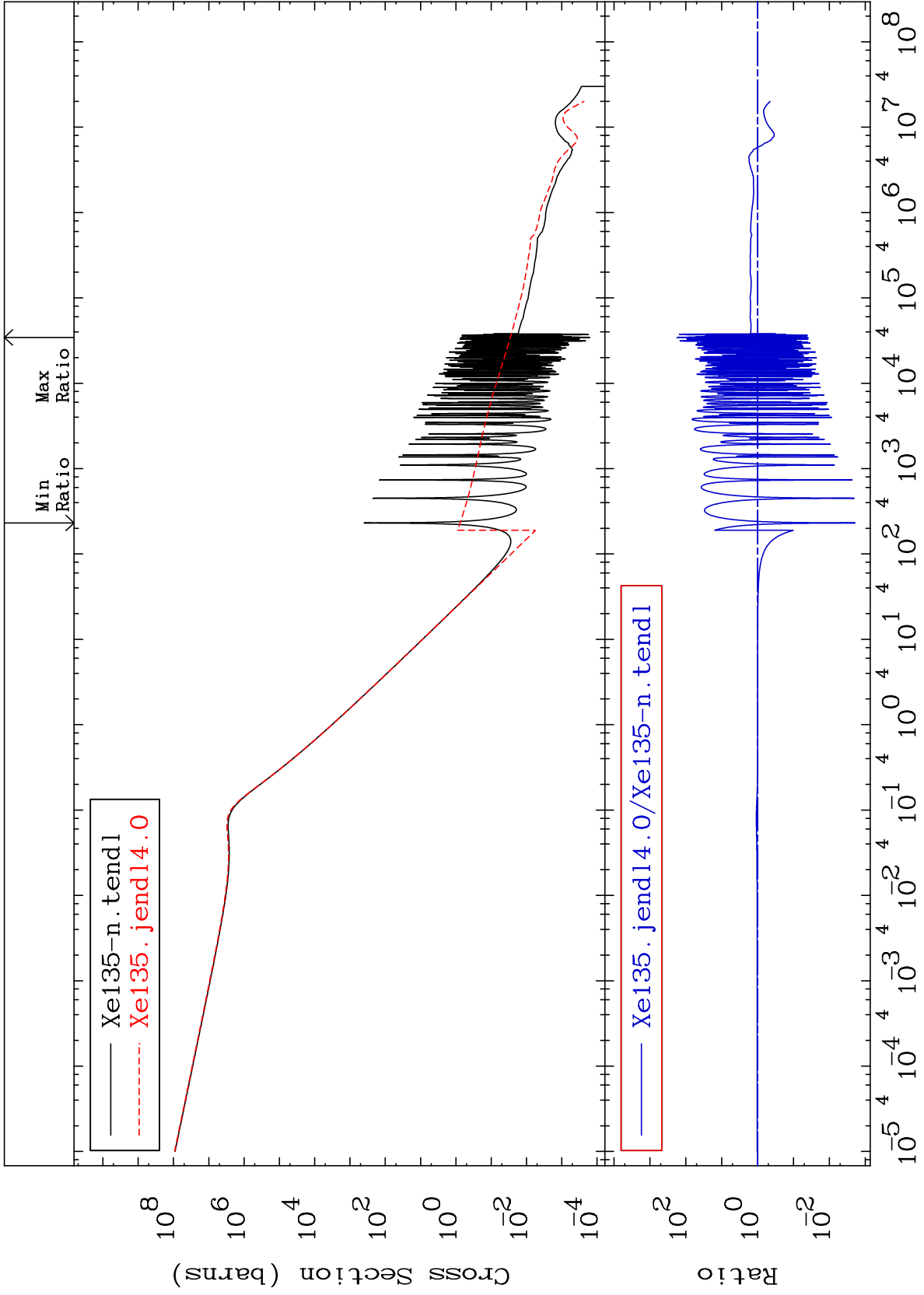
54-Xe-135
-89.59 To 57.30 %





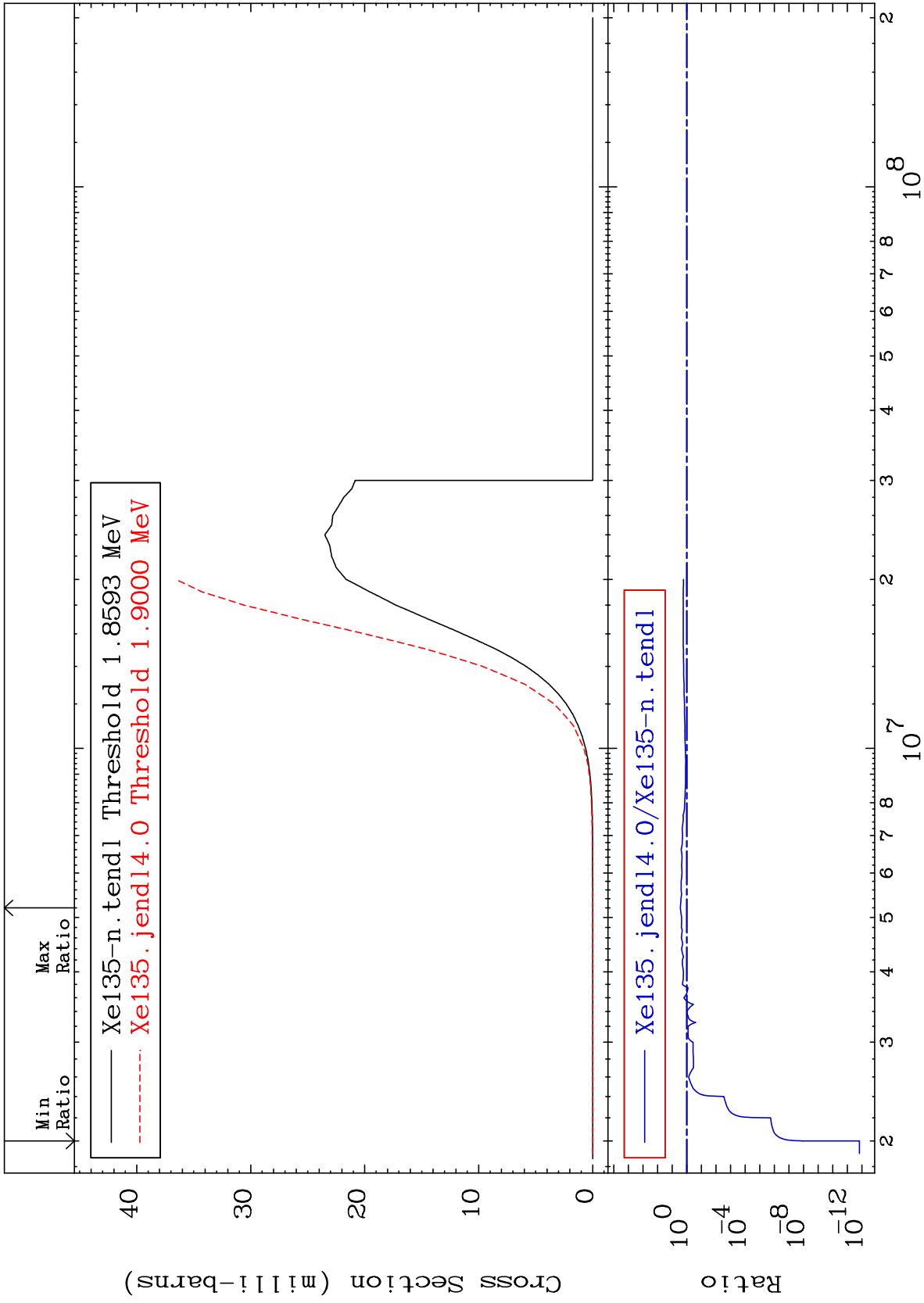
MAT 5458

(n, γ)
Cross Section
54-Xe-135
-99.81 To 9999. %



MAT 5458

(n,p)
Cross Section
54-Xe-135
-100.0 To 176.2 %



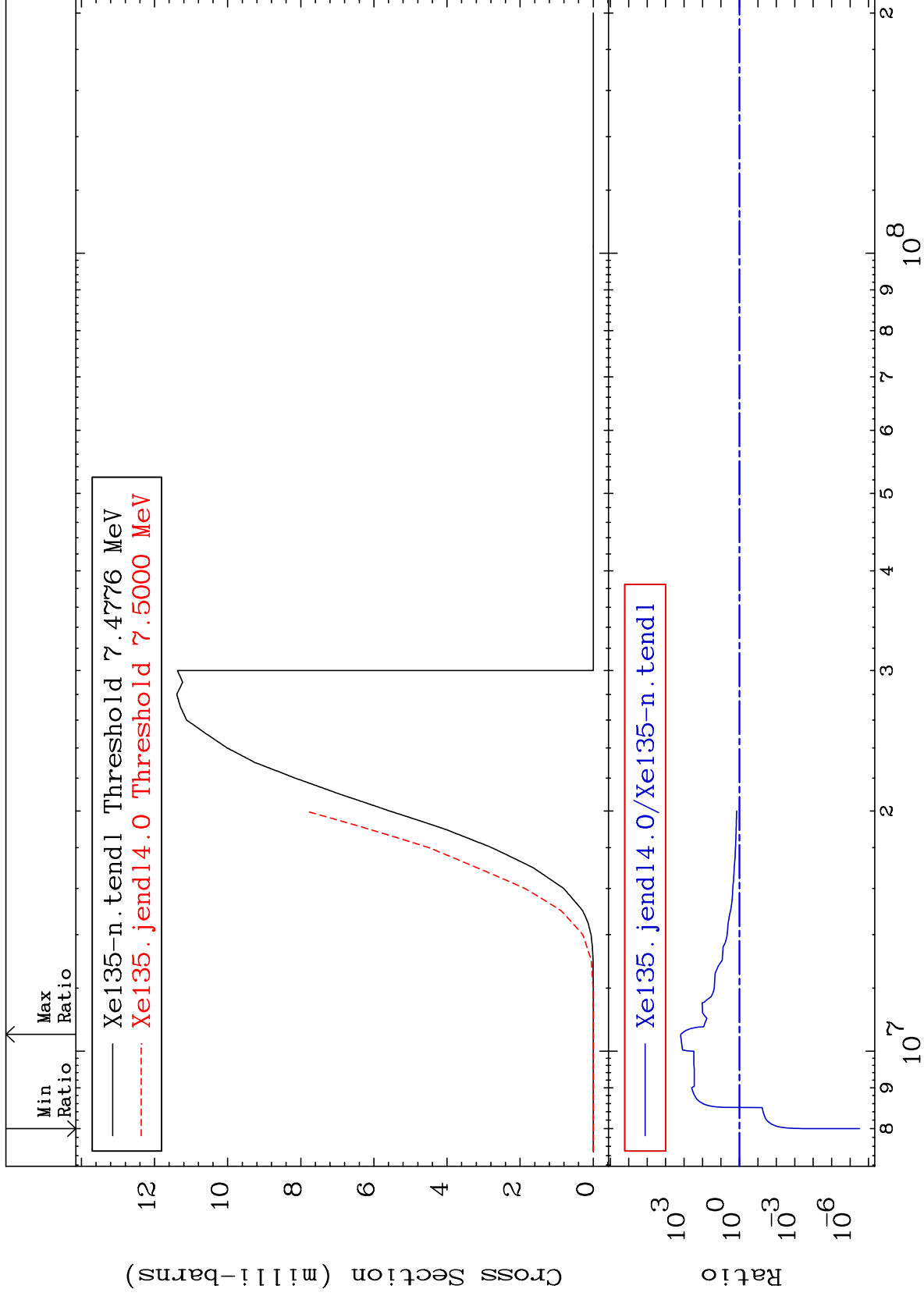
MAT 5458

(n, d)

54-Xe-135

Cross Section

-100.0 To 9999. %



26

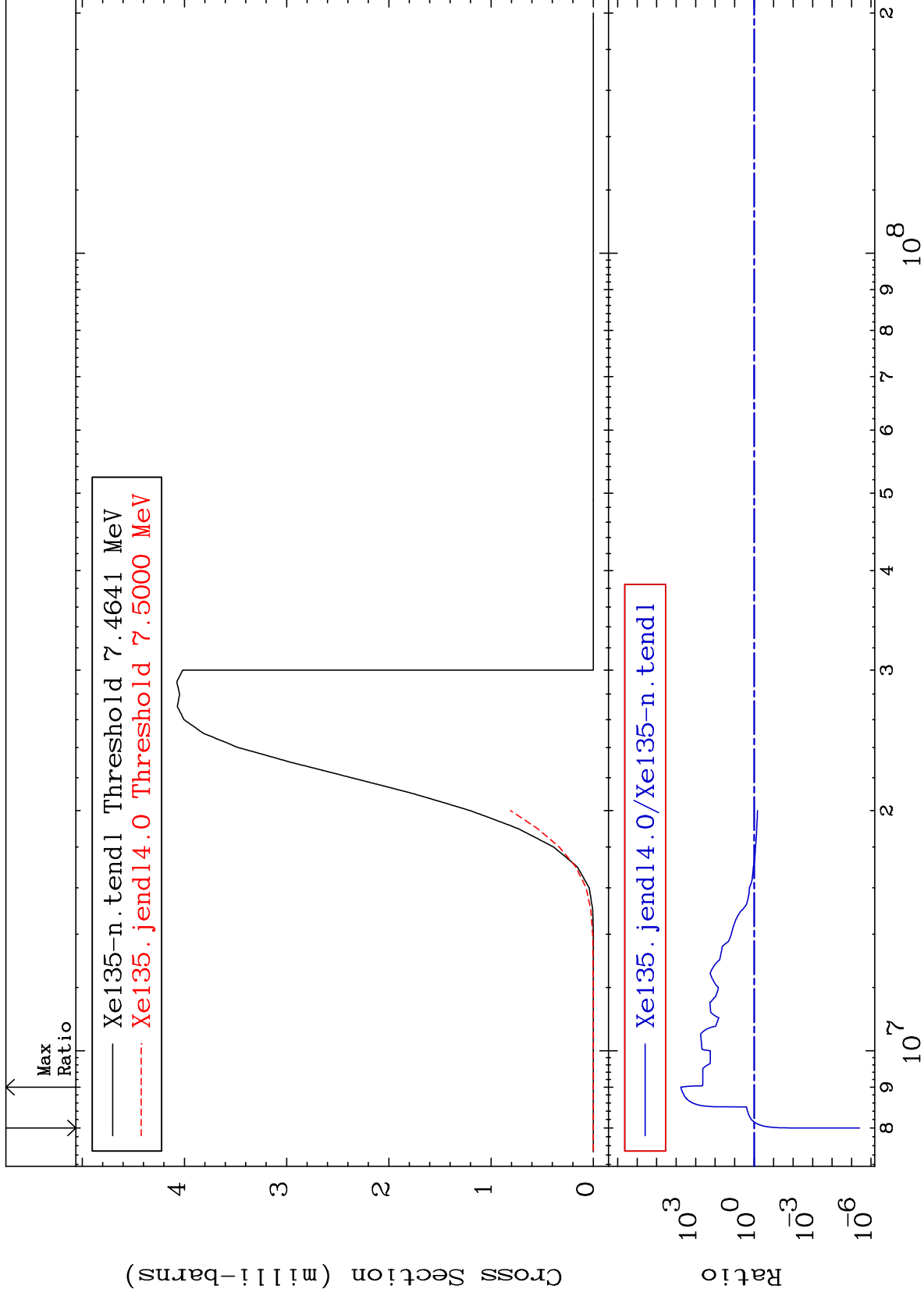
Incident Energy (eV)

54-Xe-135

MAT 5458

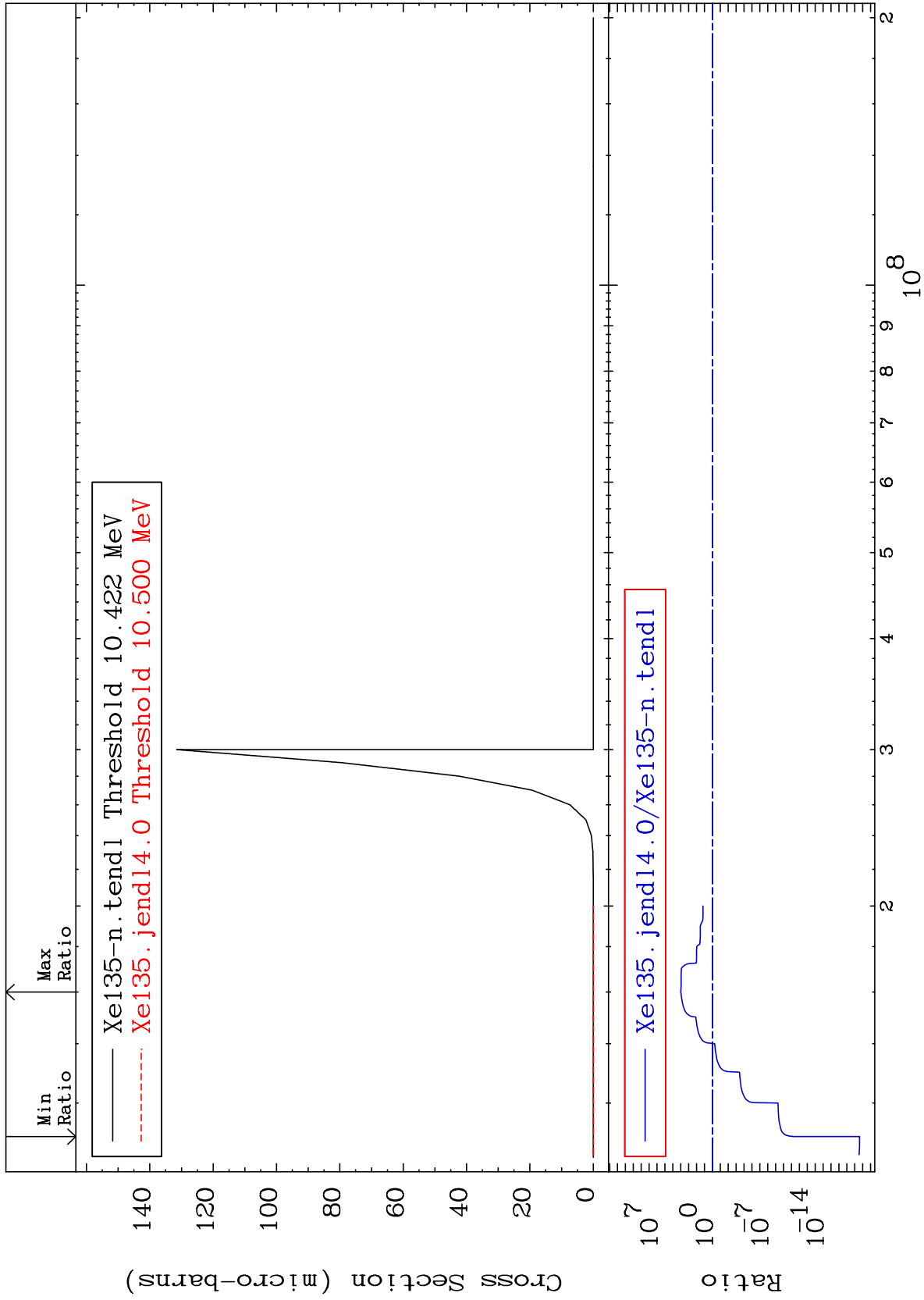
(n, t)
Cross Section

54-Xe-135
-100.0 To 9999. %



Cross Section

-100.0 To 9999. %



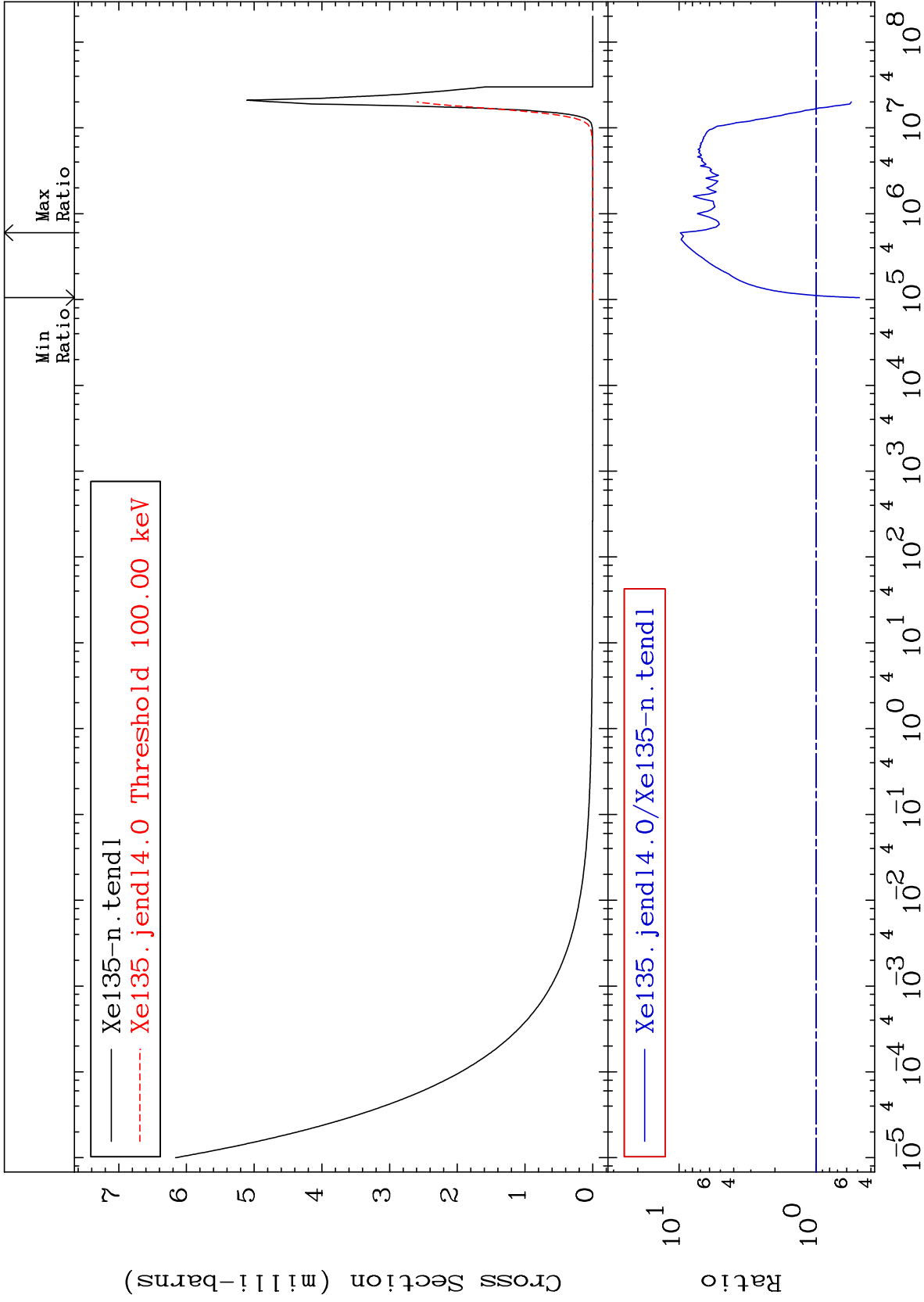
MAT 5458

(n, α)

54-Xe-135

Cross Section

-51.56 To 879.1 %



29

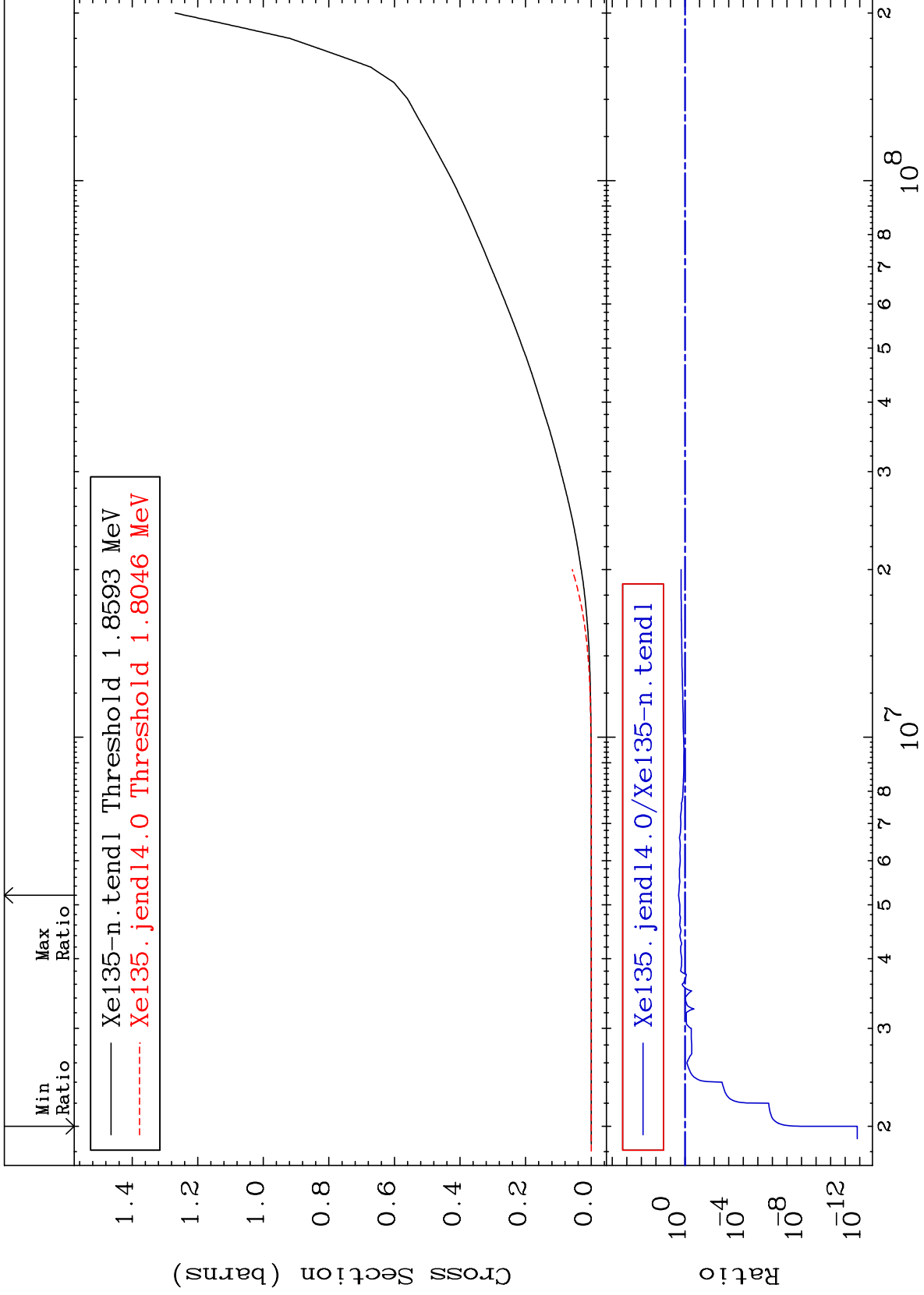
Incident Energy (eV)

54-Xe-135

MAT 5458

Hydrogen Production
Cross Section

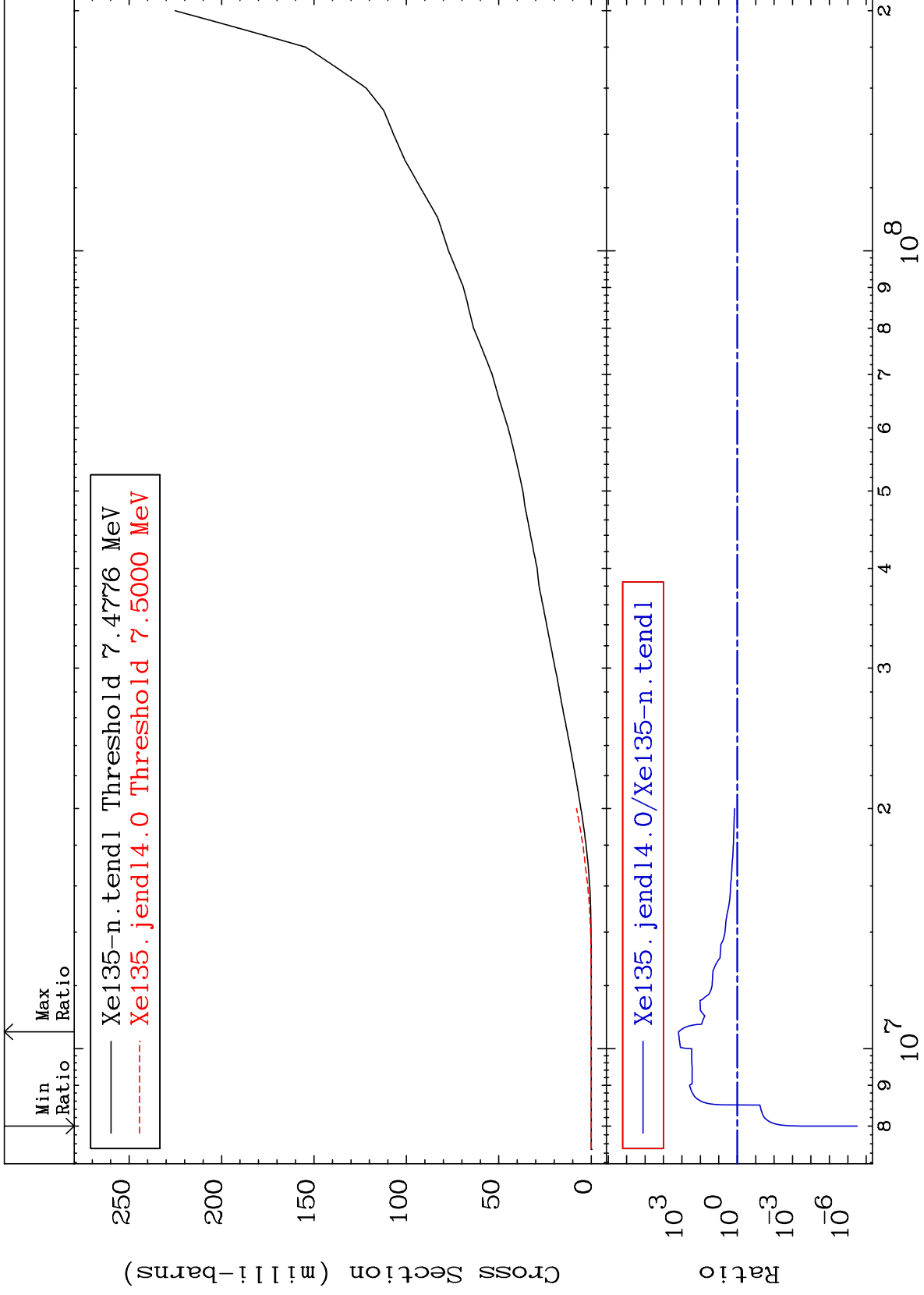
54-Xe-135
-100.0 To 176.2 %



MAT 5458

Deuterium Production
Cross Section

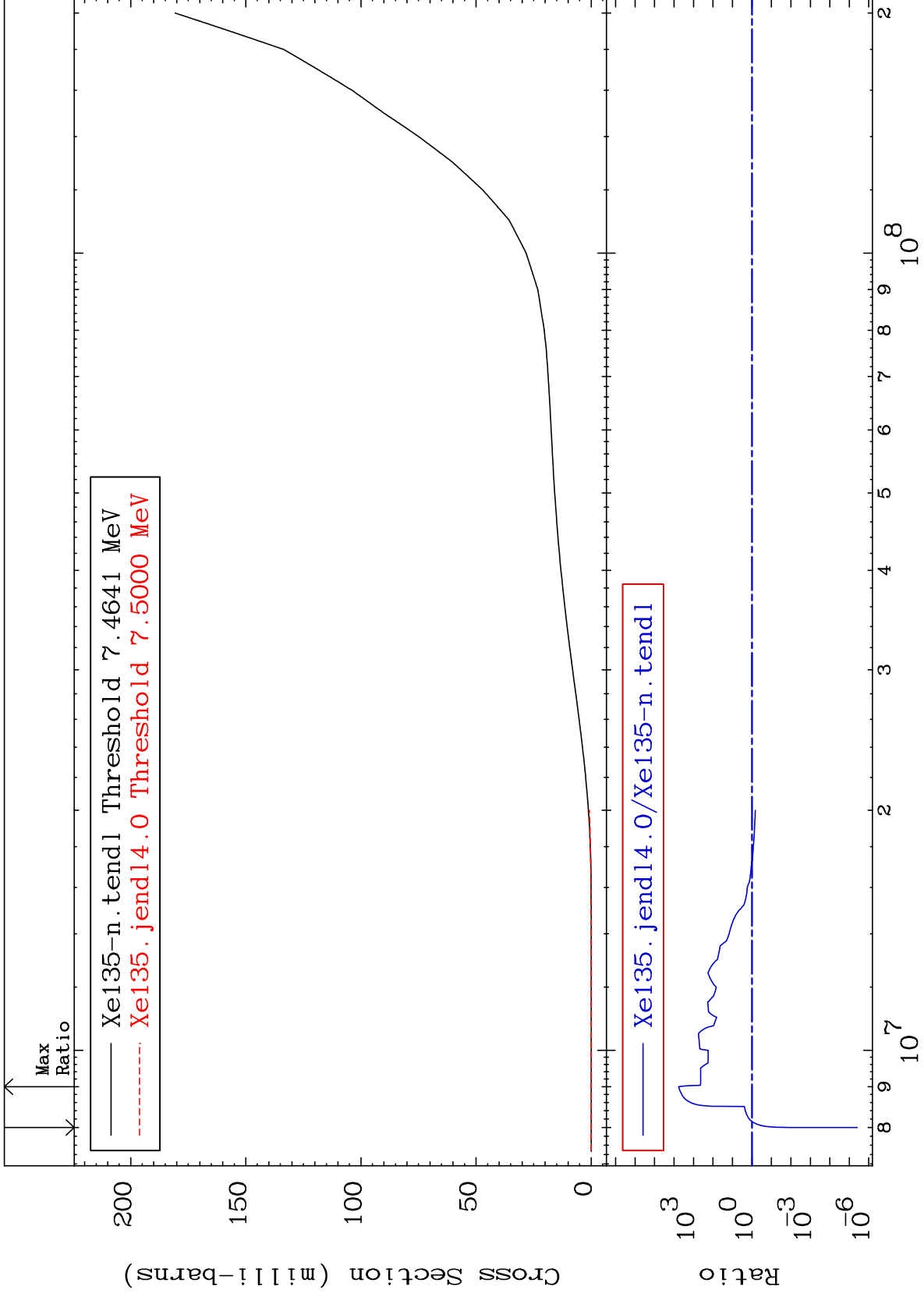
54-Xe-135
-100.0 To 9999. %



MAT 5458

Tritium Production
Cross Section

54-Xe-135
-100.0 To 9999. %



32

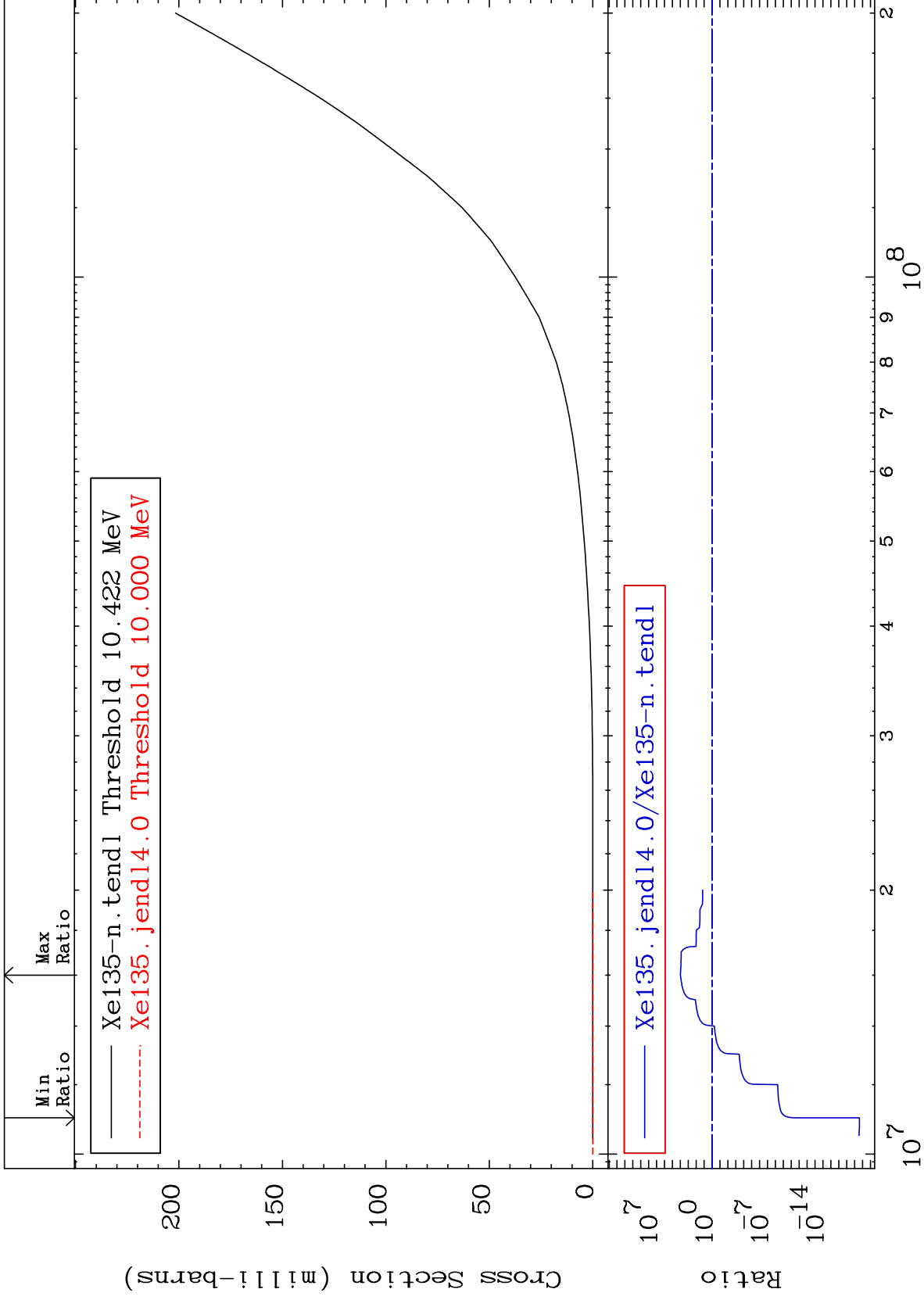
Incident Energy (eV)

54-Xe-135

MAT 5458

He-3 Production
Cross Section

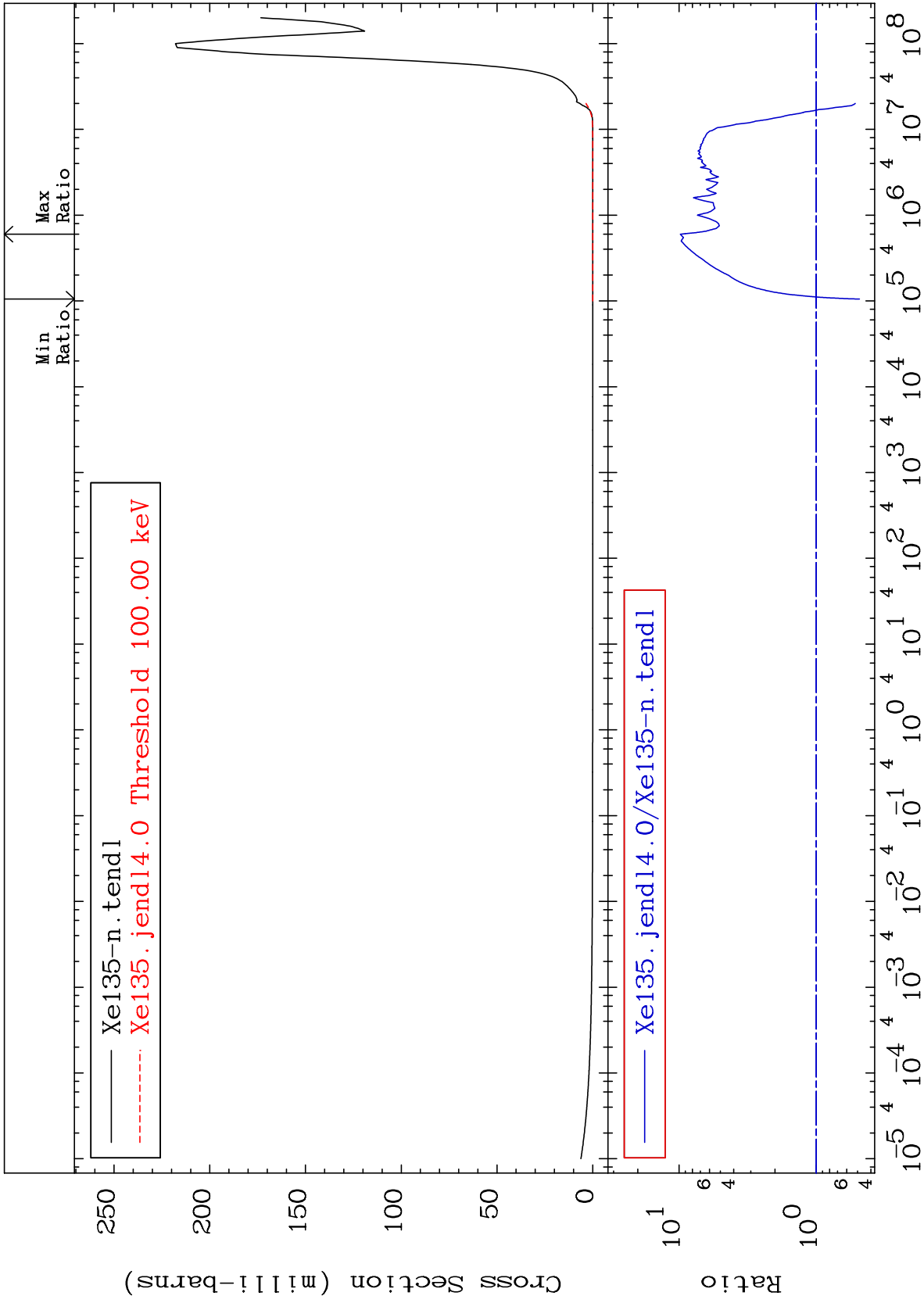
54-Xe-135
-100.0 To 9999. %



33

Incident Energy (eV)

54-Xe-135



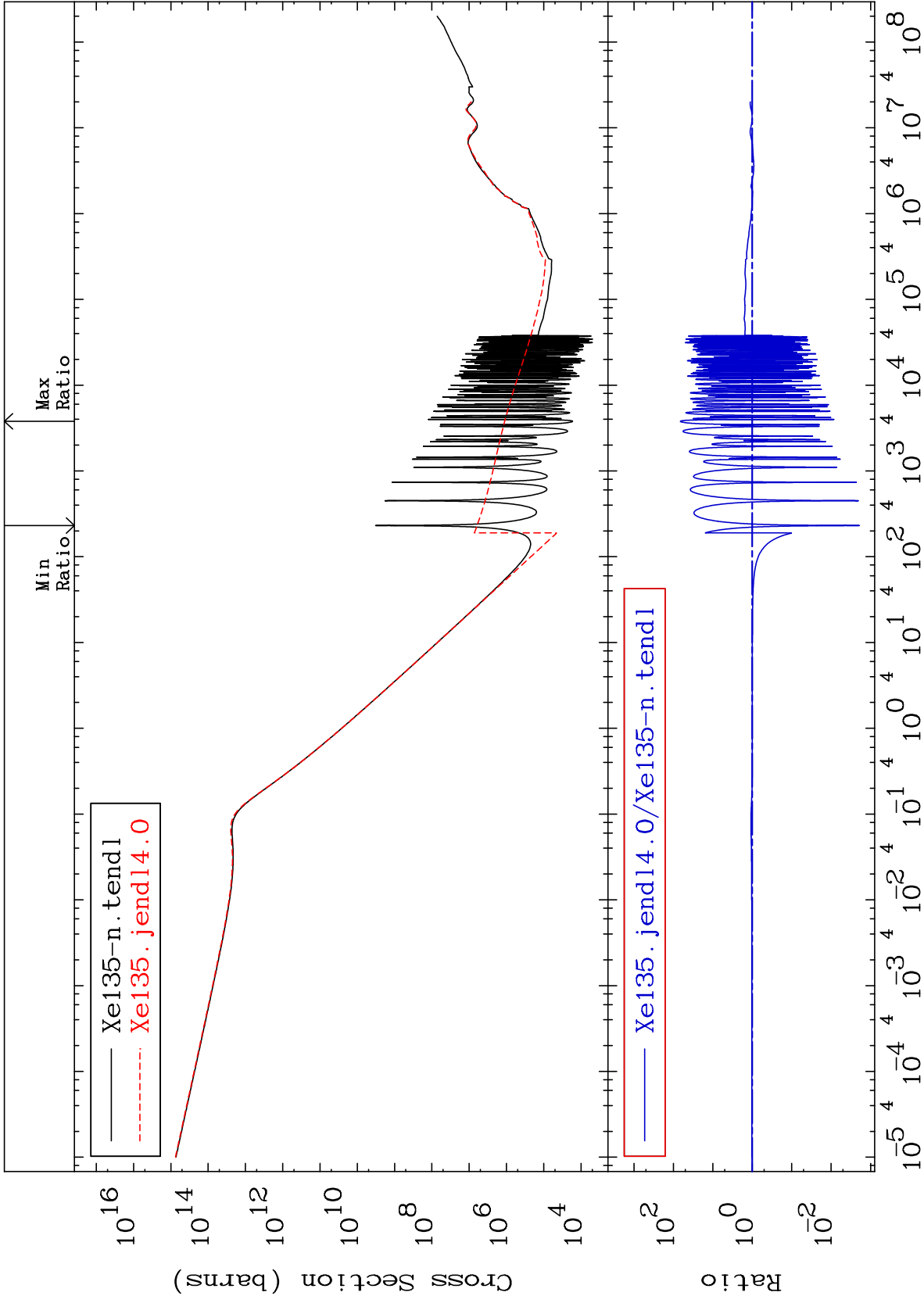
MAT 5458

Kerma total (eV-barns)

54-Xe-135

Cross Section

-99.81 To 6558. %



35

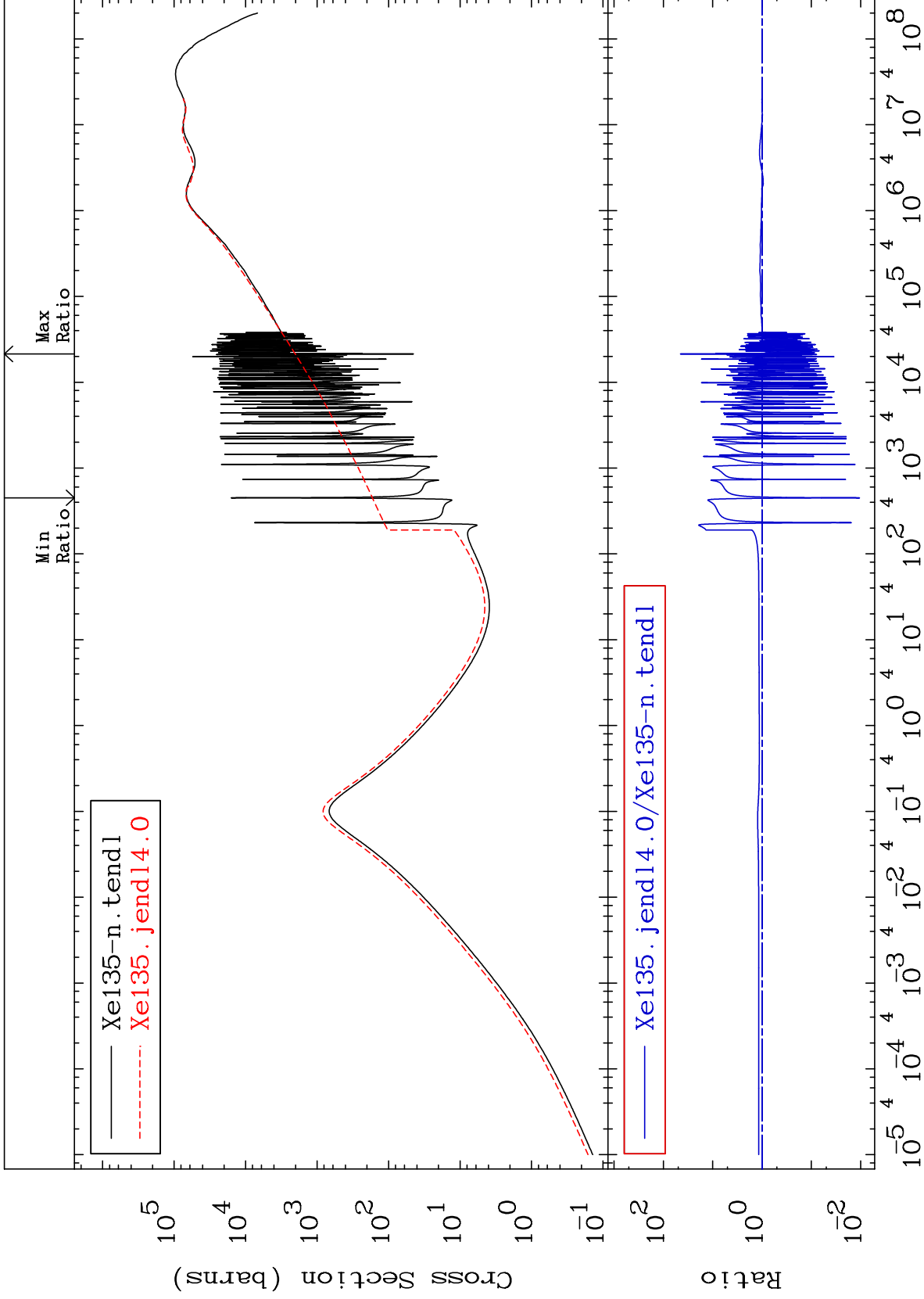
Incident Energy (eV)

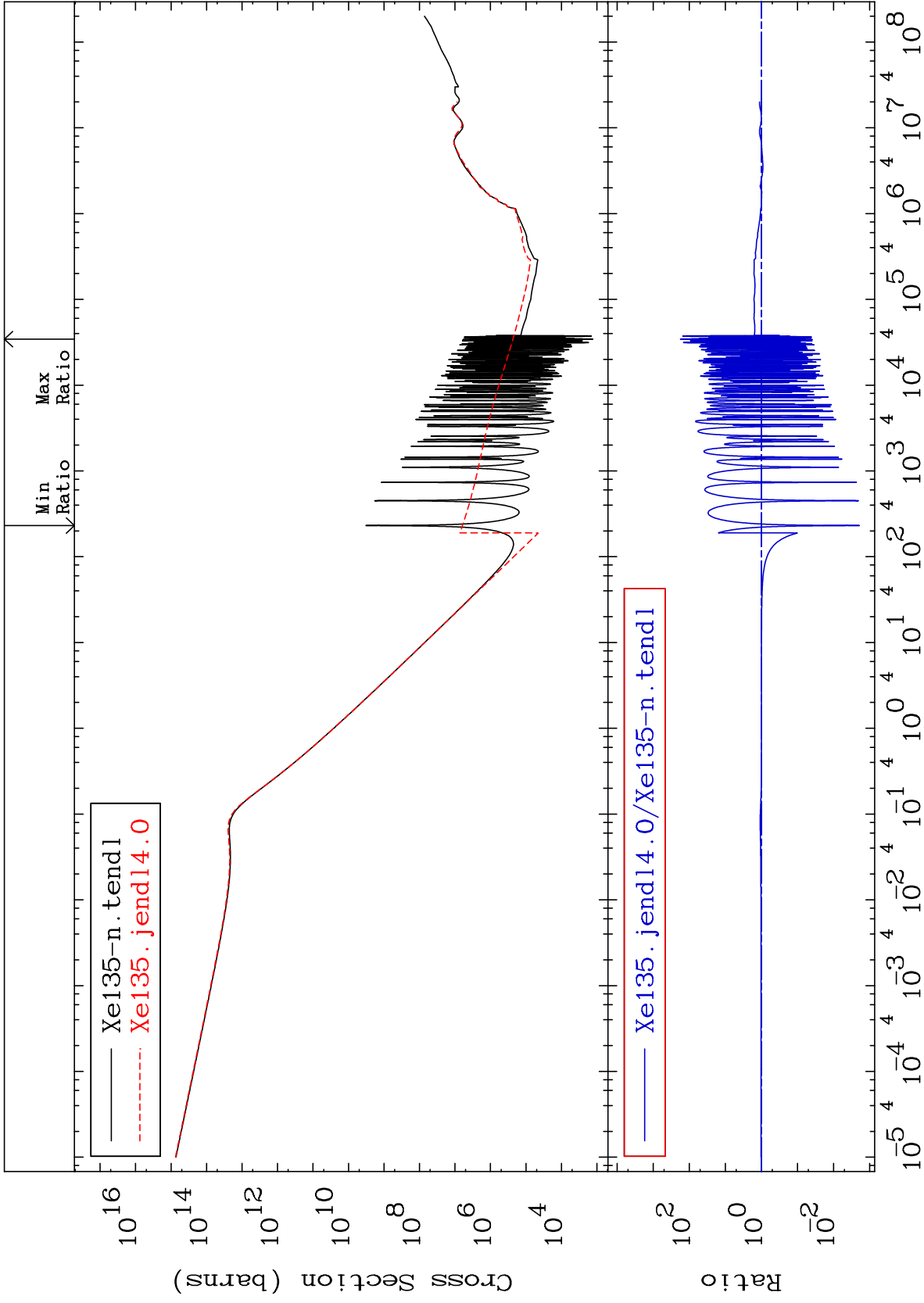
54-Xe-135

MAT 5458

Kerma elastic
Cross Section

54-Xe-135
-98.94 To 4416. %

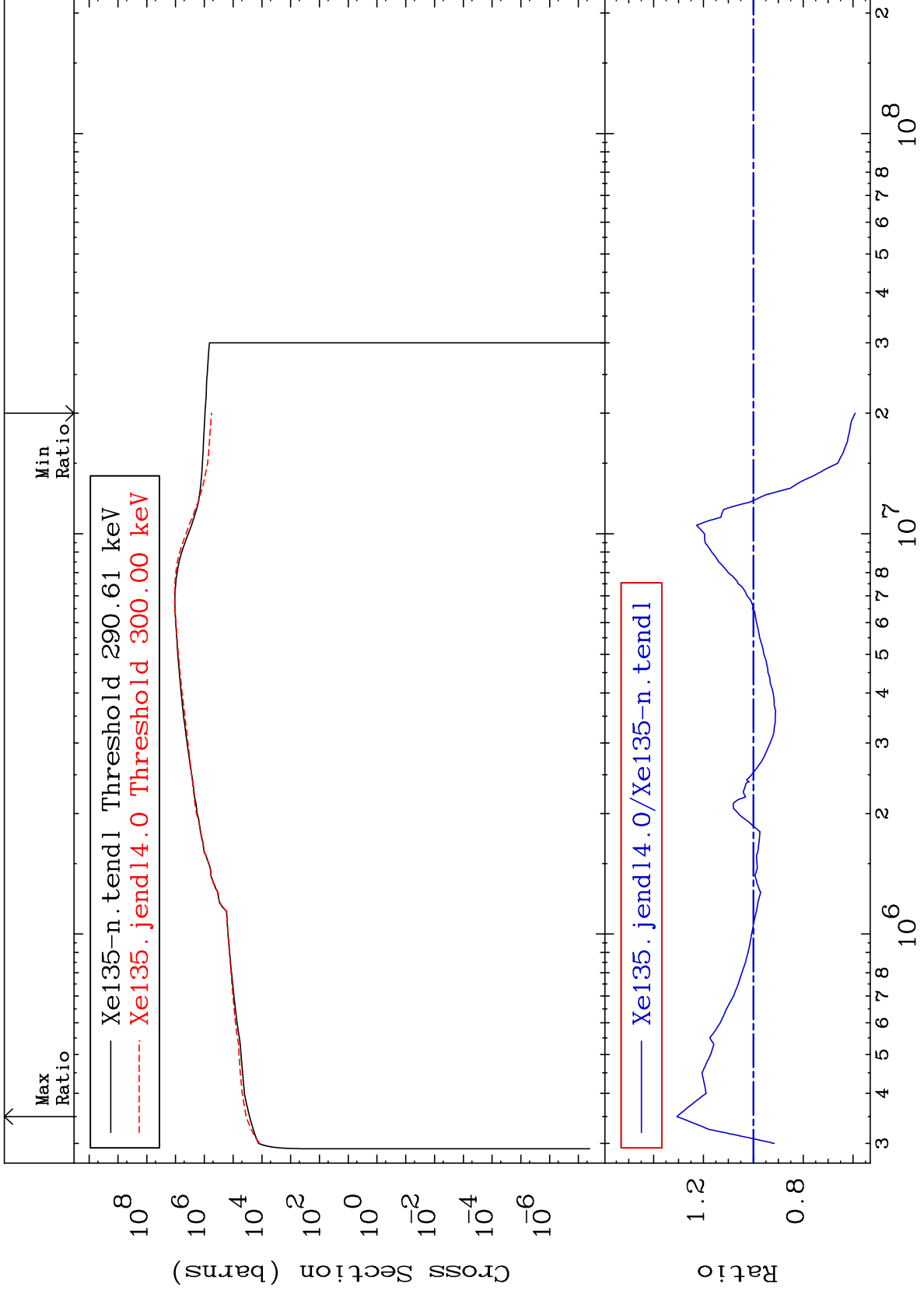




MAT 5458

Kerma inelastic (mt51-91)
Cross Section

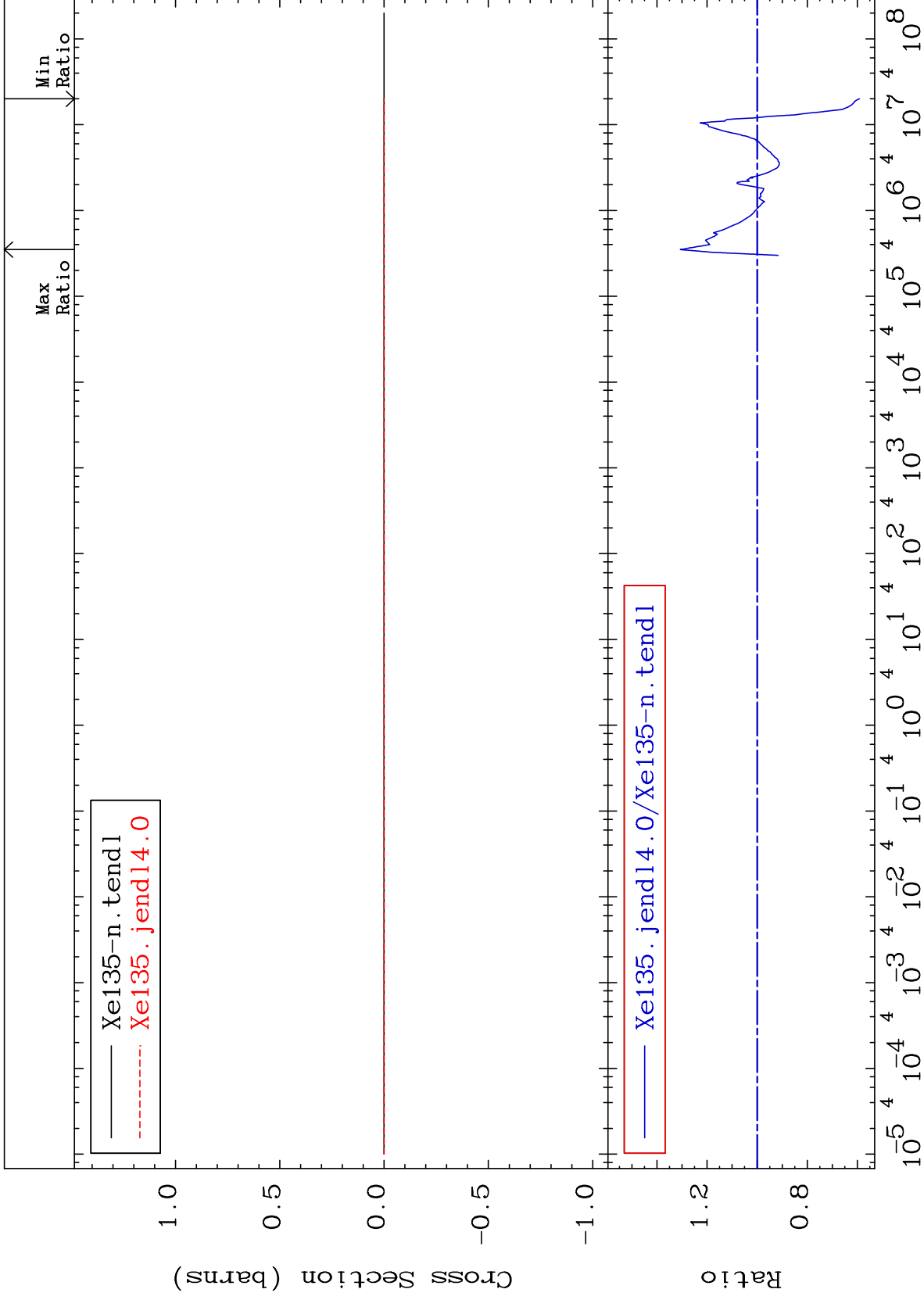
54-Xe-135
-40.85 To 30.67 %



MAT 5458

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

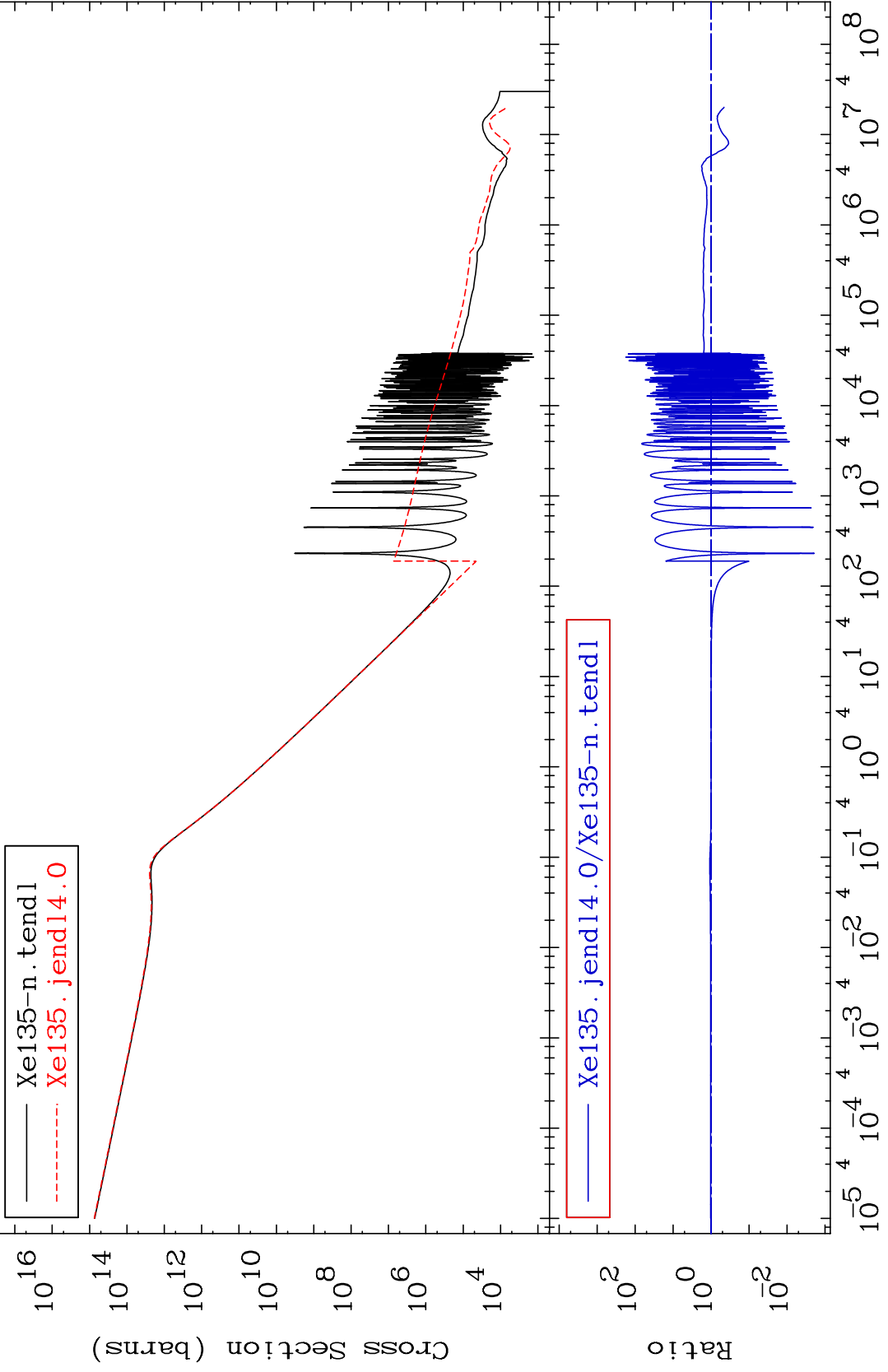
54-Xe-135
-40.85 To 30.67 %



MAT 5458

Kerma capture (mt102)
Cross Section

54-Xe-135
-99.81 To 9999. %



40

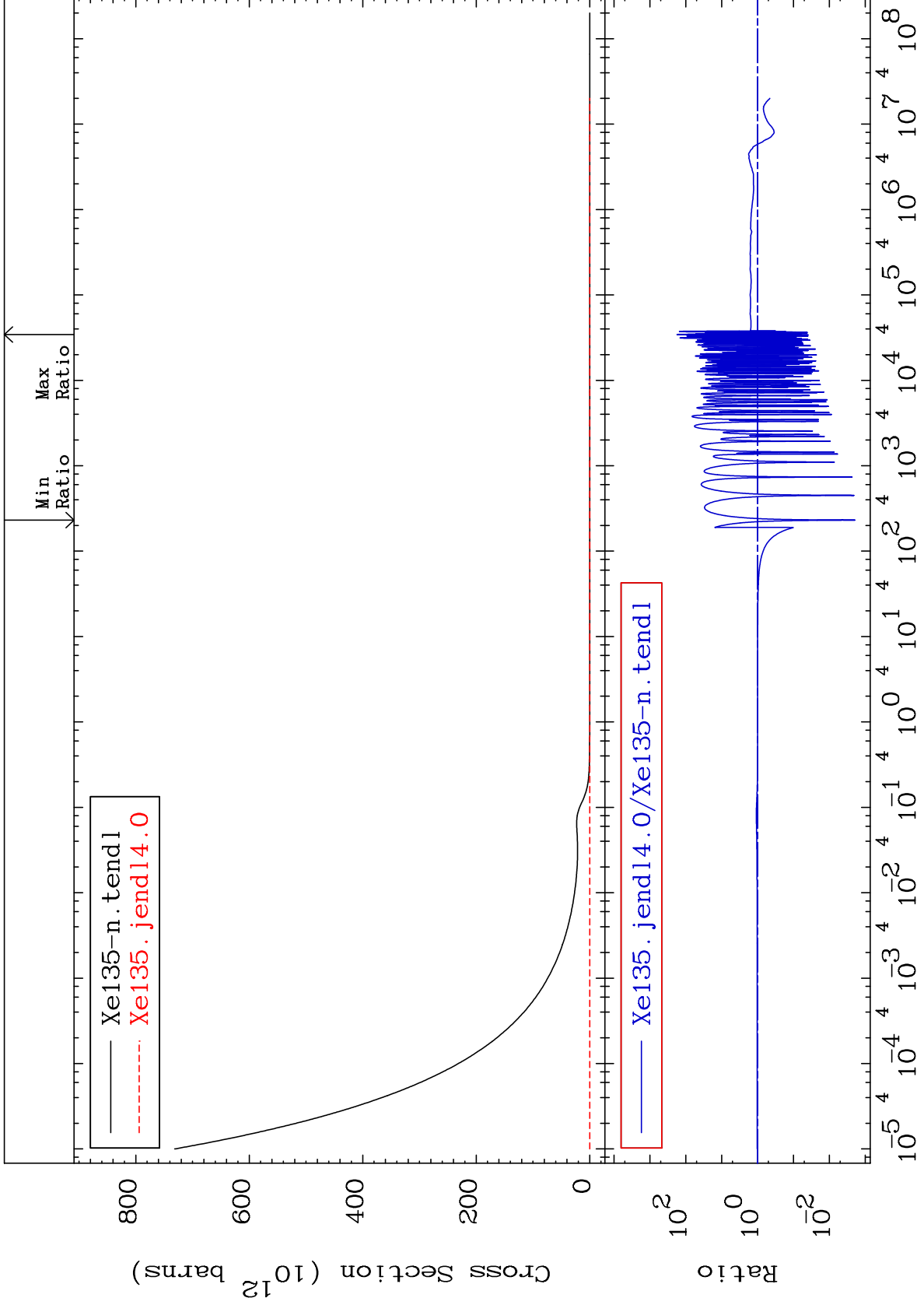
Incident Energy (eV)

54-Xe-135

MAT 5458

Total photon (eV-barns)
Cross Section

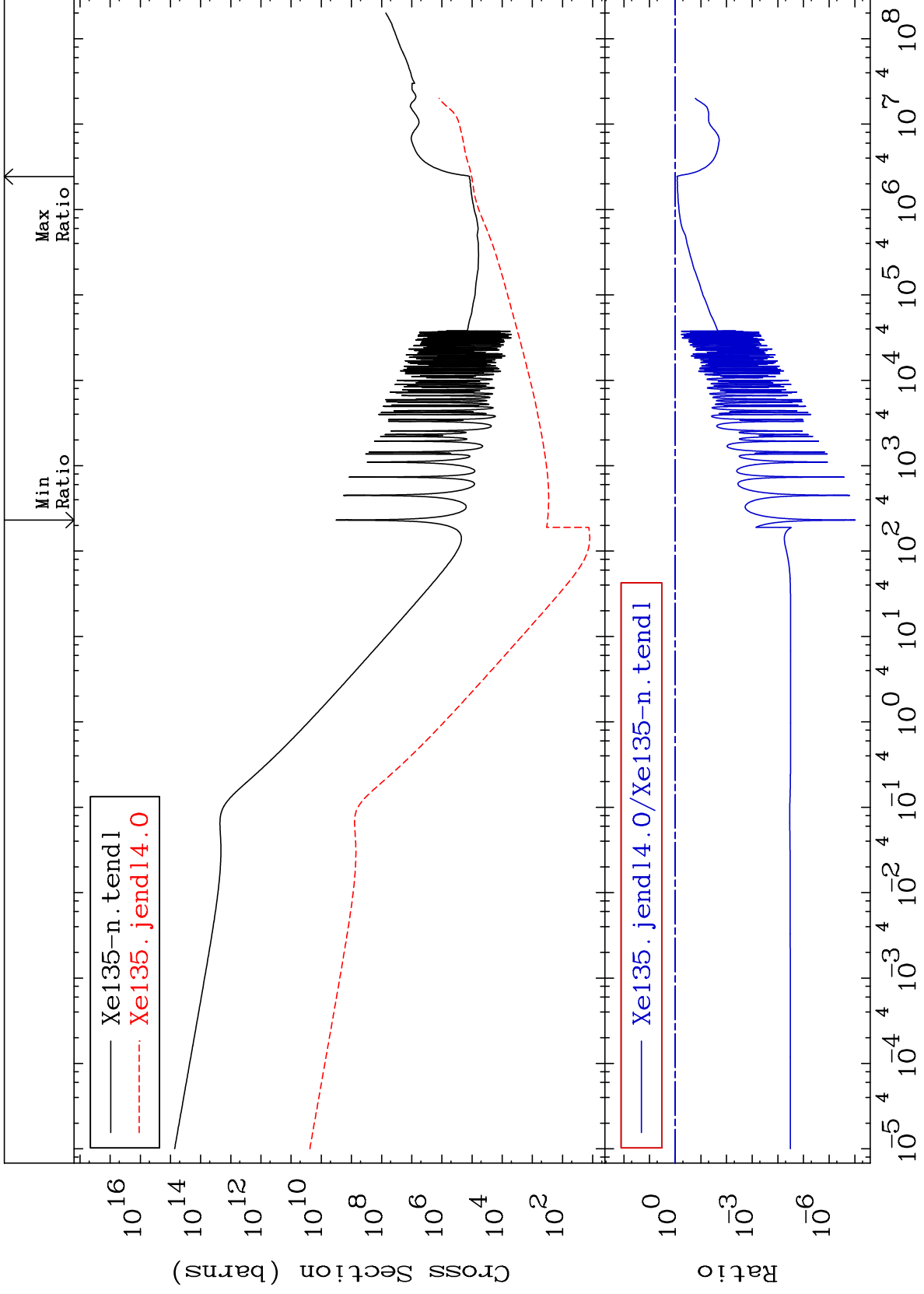
54-Xe-135
-99.81 To 9999. %



MAT 5458

Total kinematic kerma (high limit)
Cross Section

54-Xe-135
-100.0 To -14.28%



42

Incident Energy (eV)

54-Xe-135

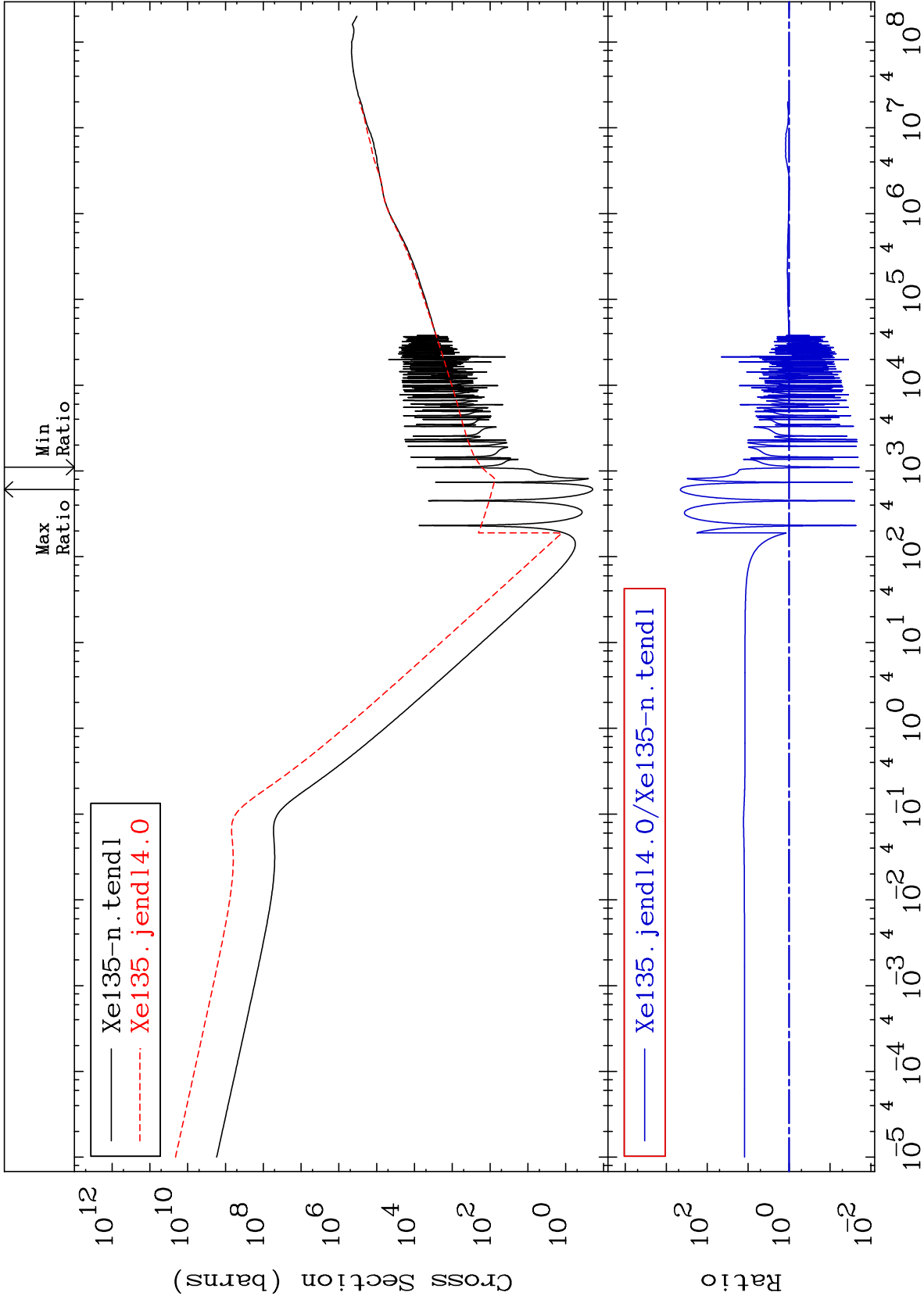
MAT 5458

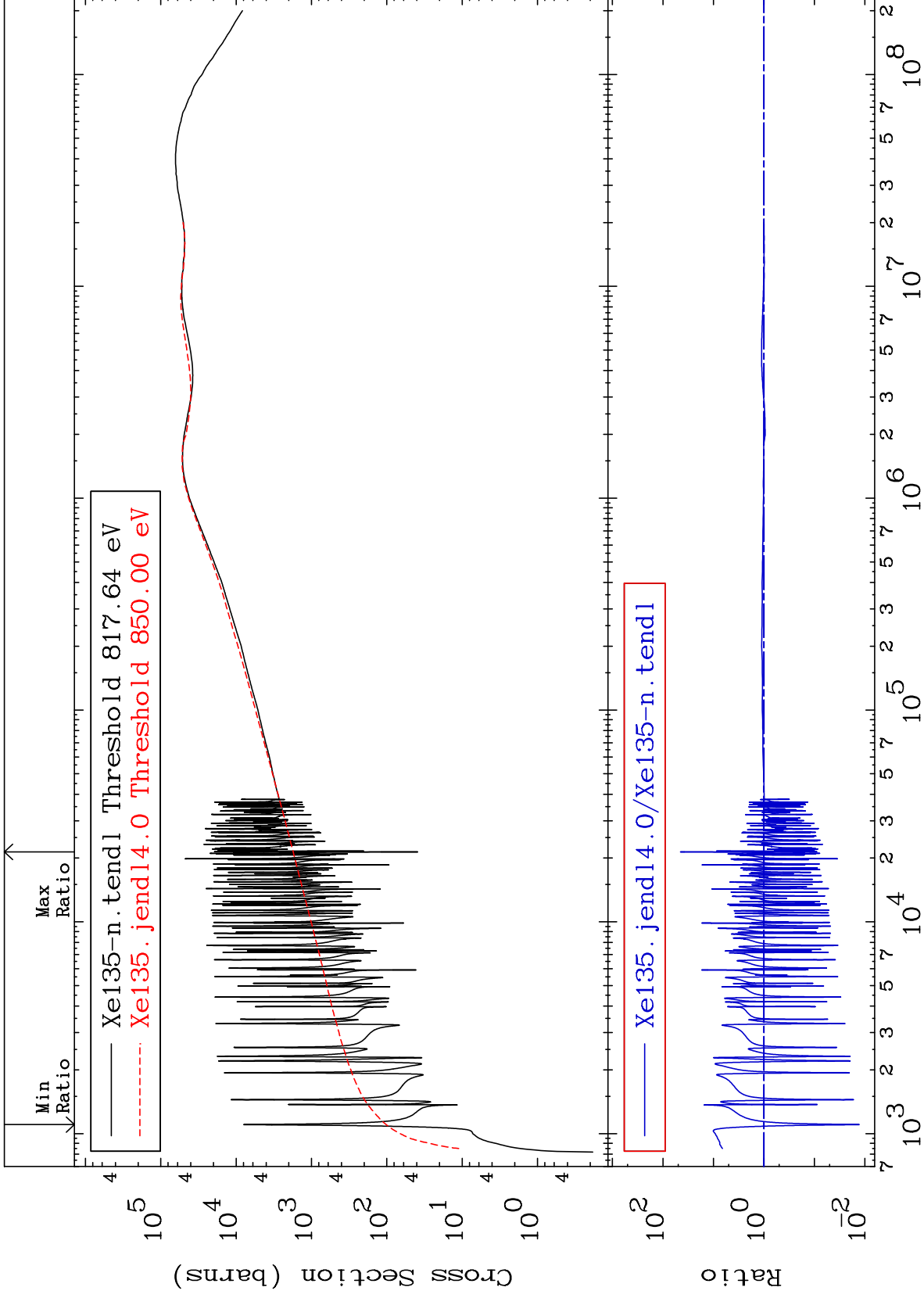
Dpa total (eV-barns)

54-Xe-135

-98.09 To 9999. %

Cross Section

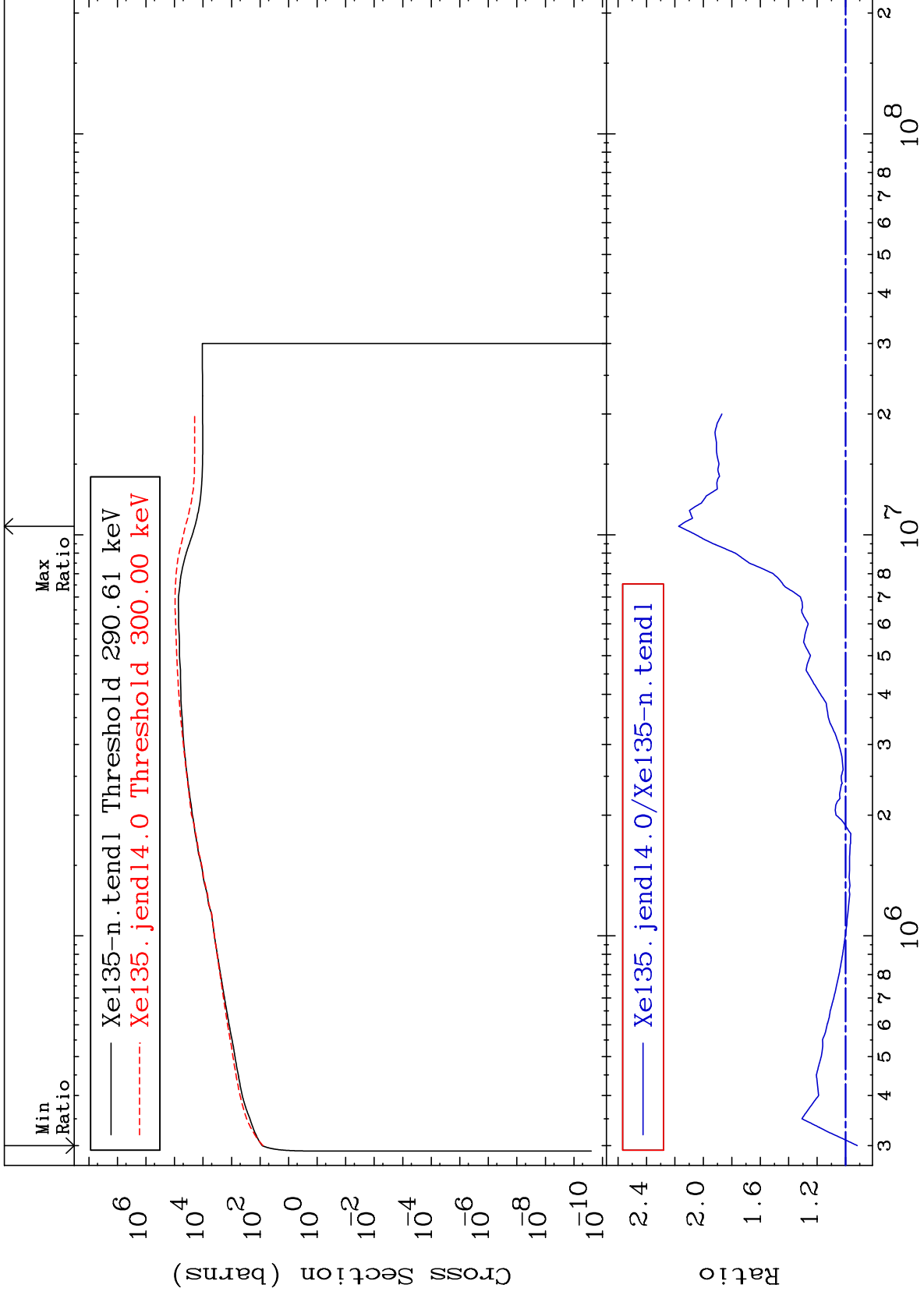




MAT 5458

Dpa inelastic (mt51-91)
Cross Section

54-Xe-135
-8.185 To 117.4 %



45

Incident Energy (eV)

54-Xe-135

