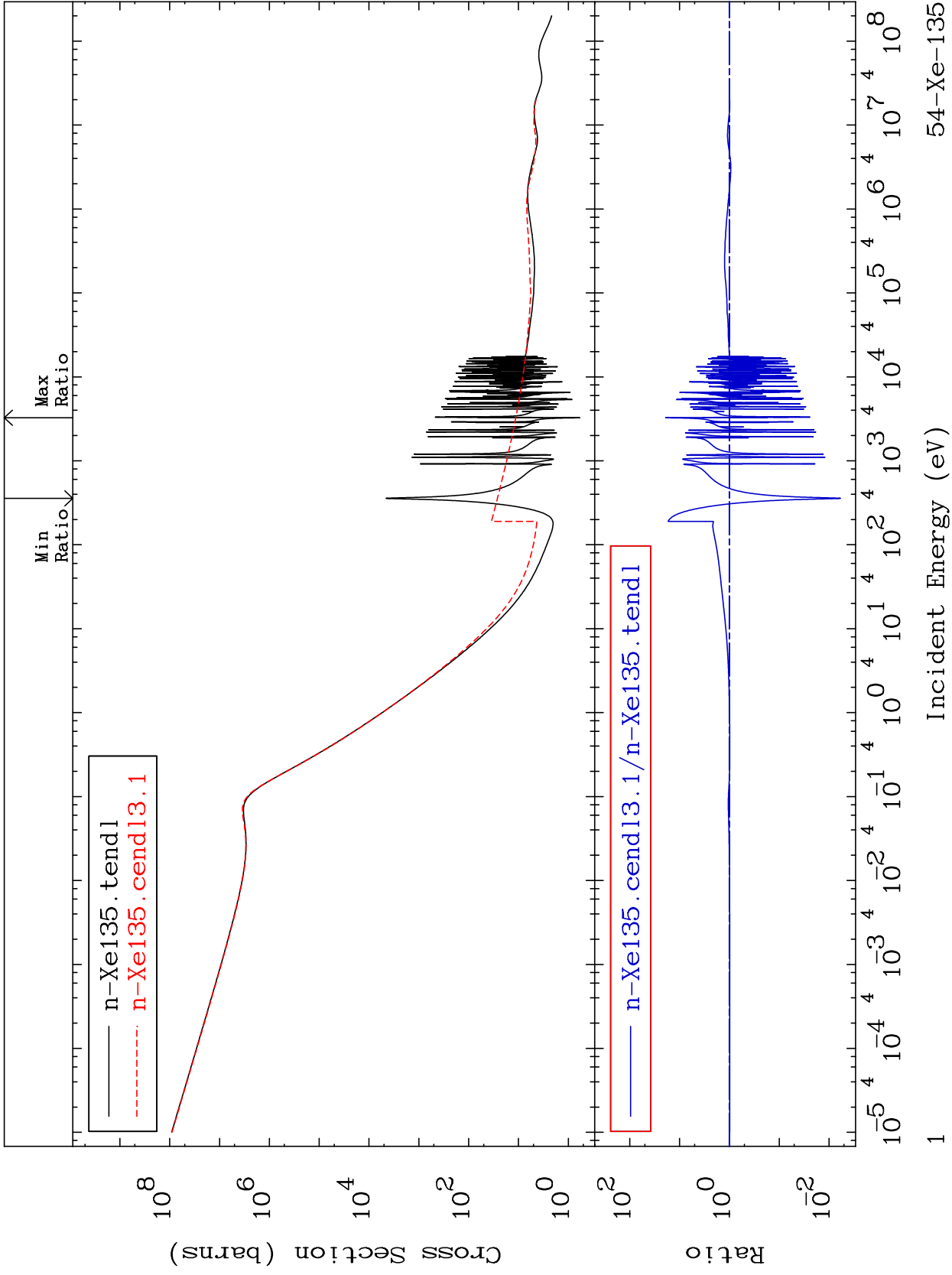


MAT 5458

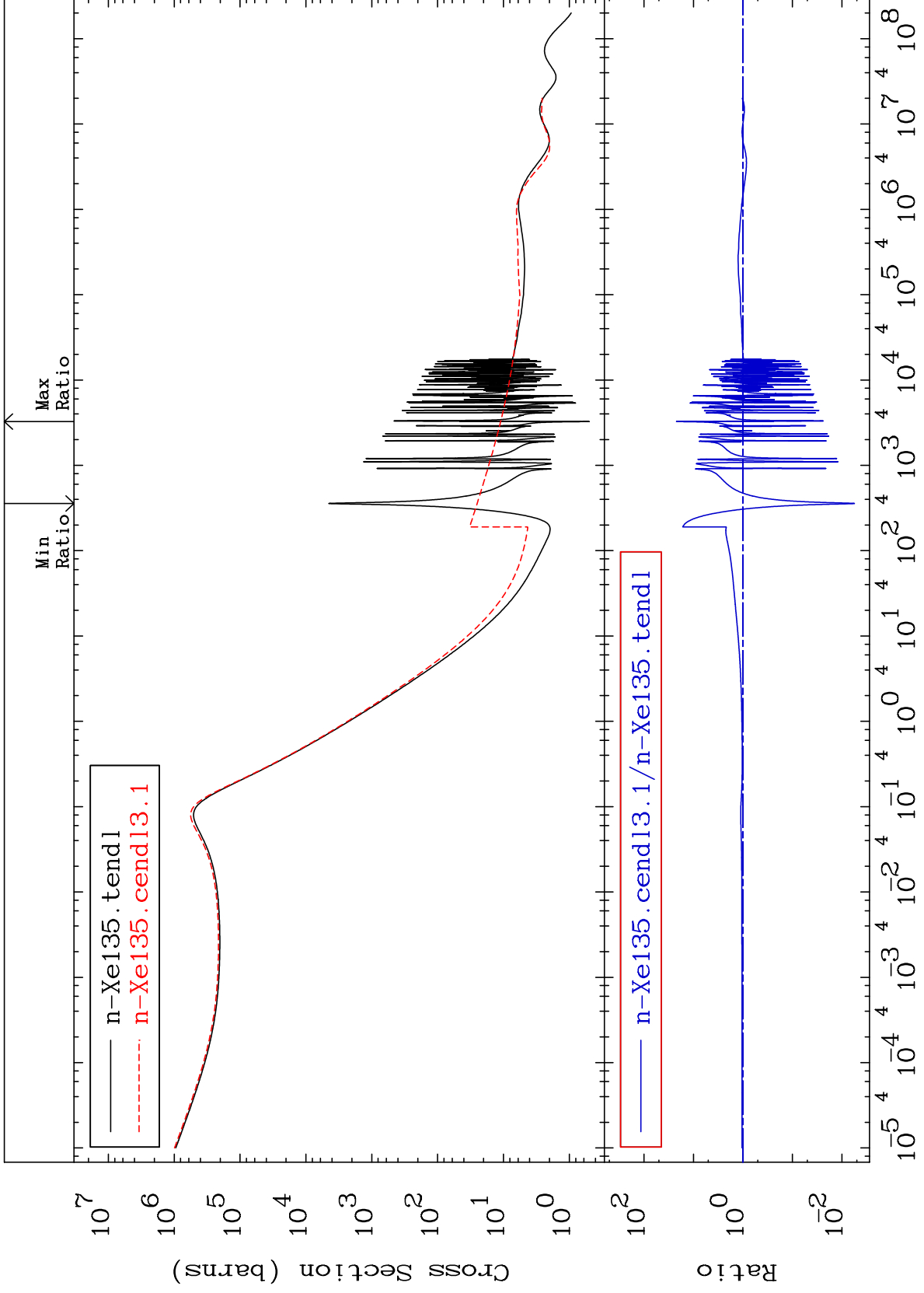
Total Cross Section
54-Xe-135
-99.42 To 1818. %



MAT 5458

Elastic
Cross Section

54-Xe-135
-99.44 To 2112. %



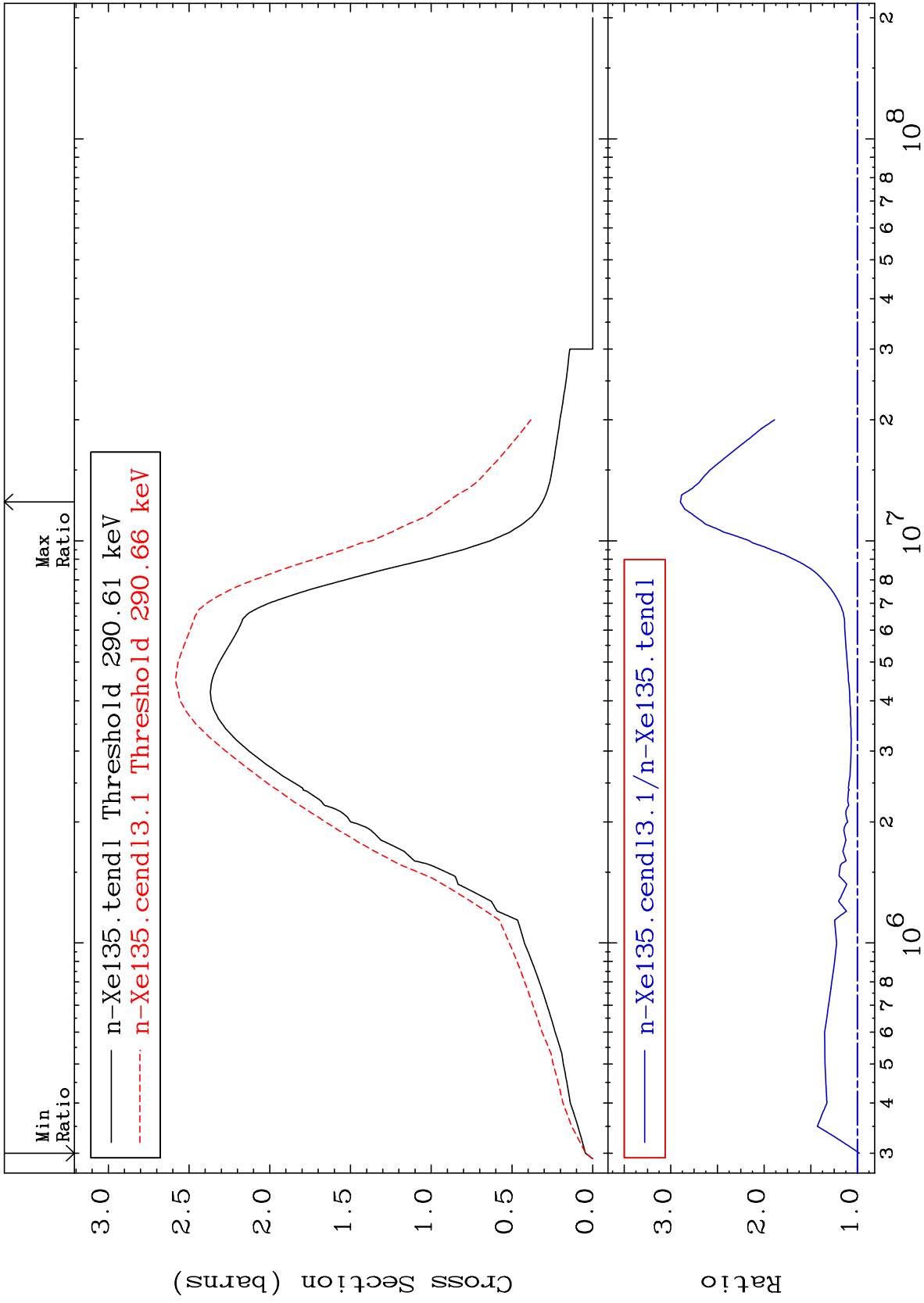
Incident Energy (eV)

54-Xe-135

2

MAT 5458

Inelastic Cross Section
54-Xe-135
-2.140 To 189.8 %



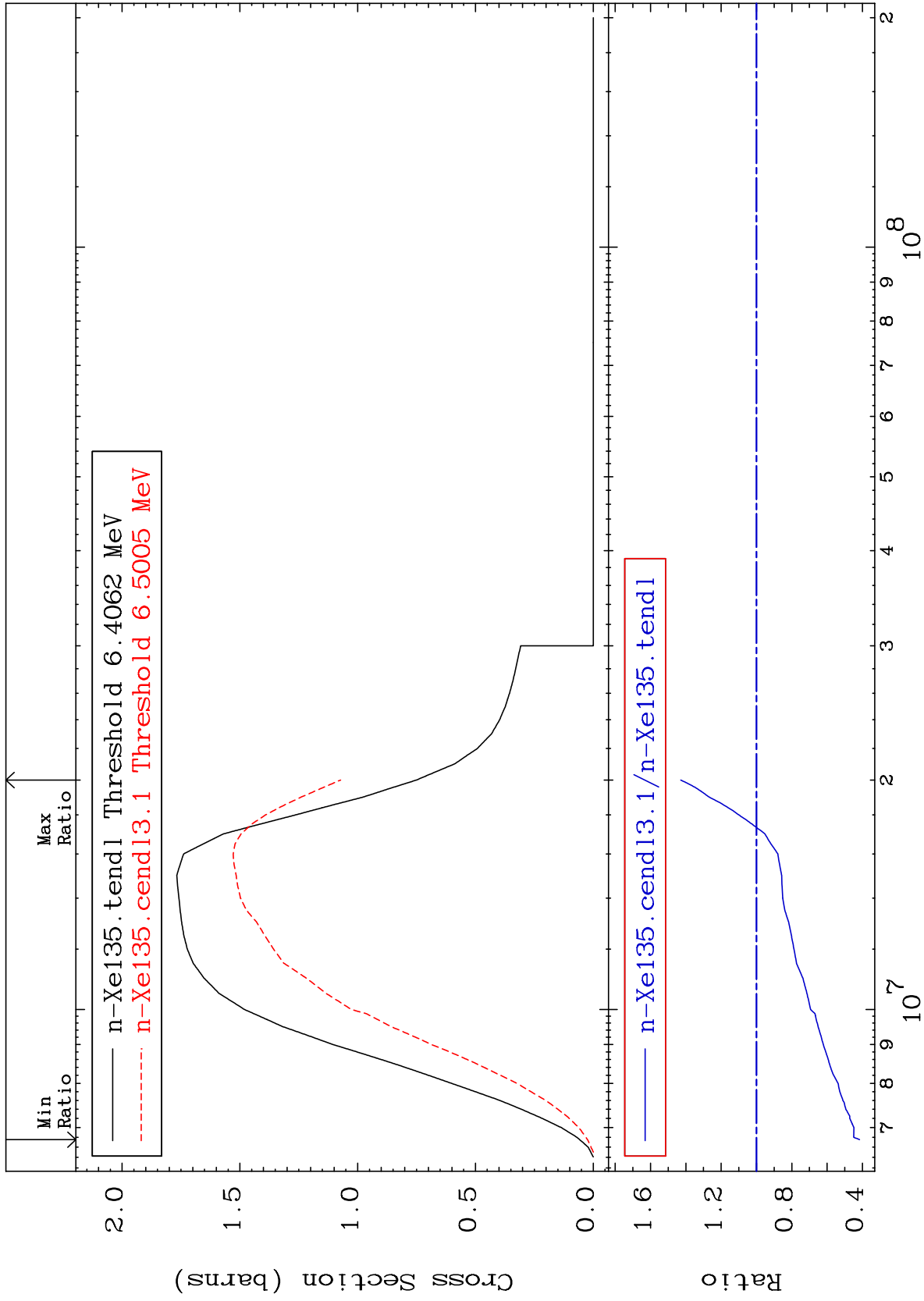
MAT 5458

(n,2n)

54-Xe-135

Cross Section

-58.36 To 42.88 %



4

Incident Energy (eV)

54-Xe-135

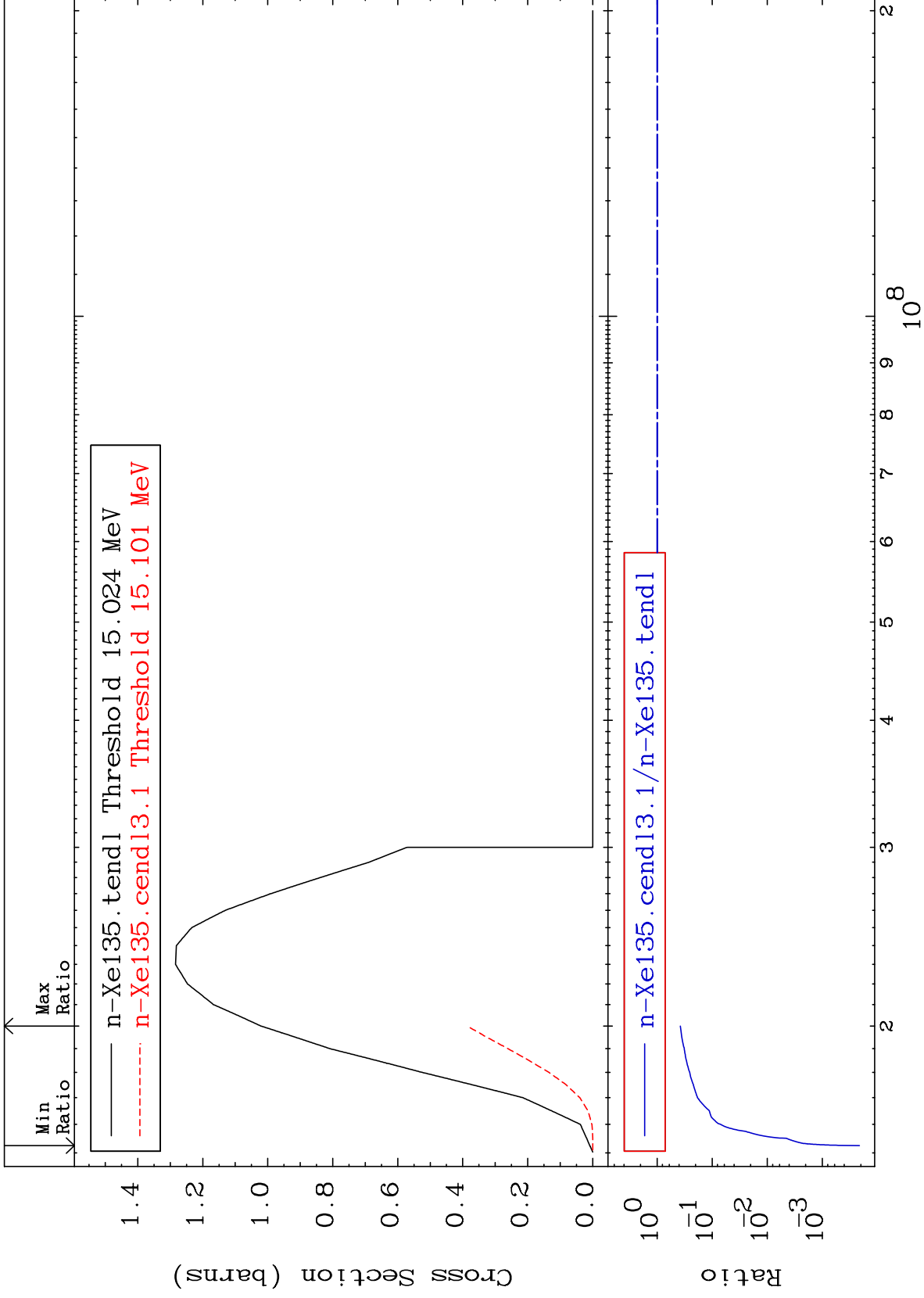
MAT 5458

(n,3n)

54-Xe-135

Cross Section

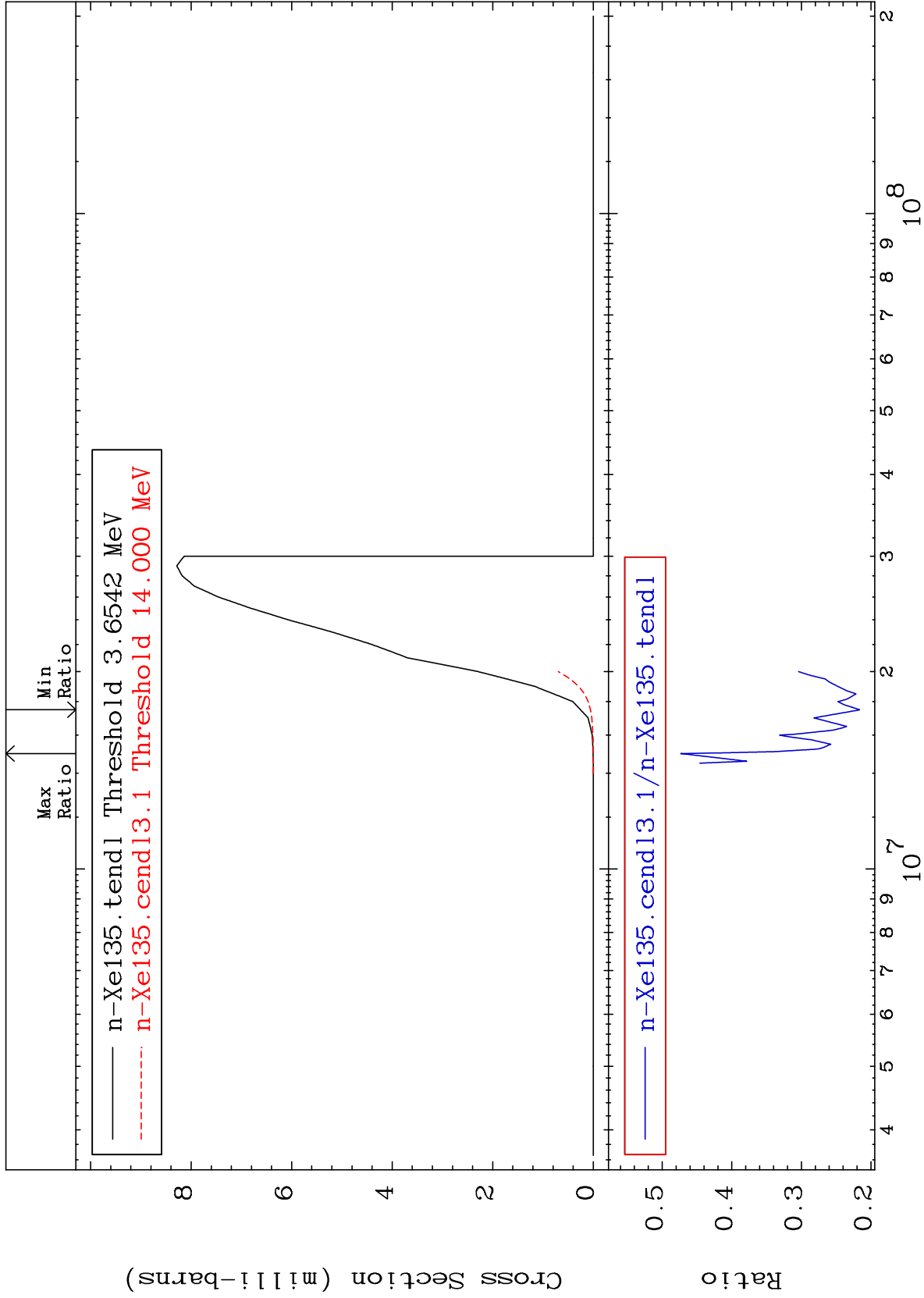
-99.98 To -62.13%



MAT 5458

(n, n') α
Cross Section

54-Xe-135
-78.35 To -52.67%



6

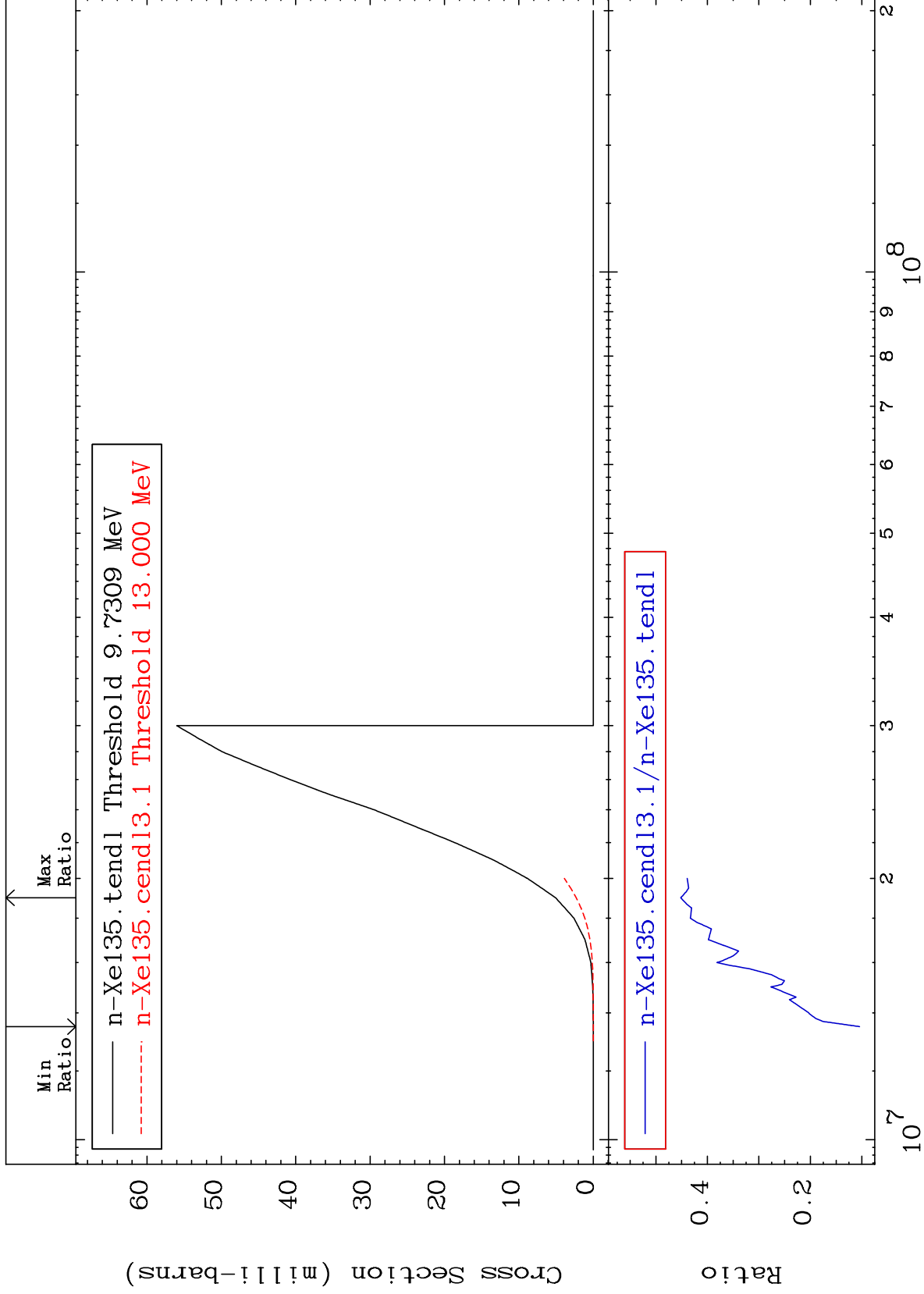
Incident Energy (eV)

54-Xe-135

MAT 5458

(n,n') p
Cross Section

54-Xe-135
-89.55 To -54.83%

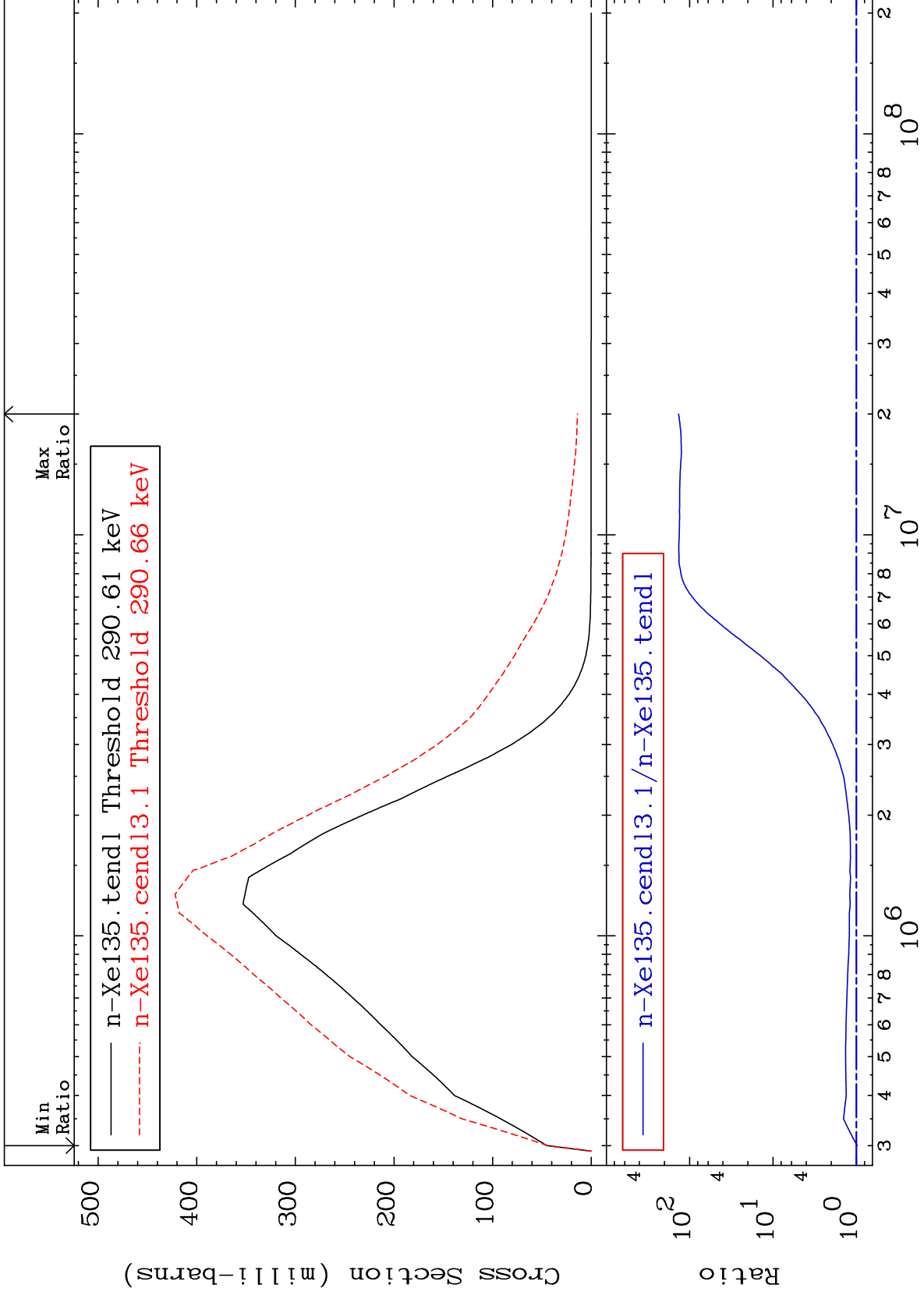


54-Xe-135

MAT 5458

MT= 51 (n,n') Level
Cross Section

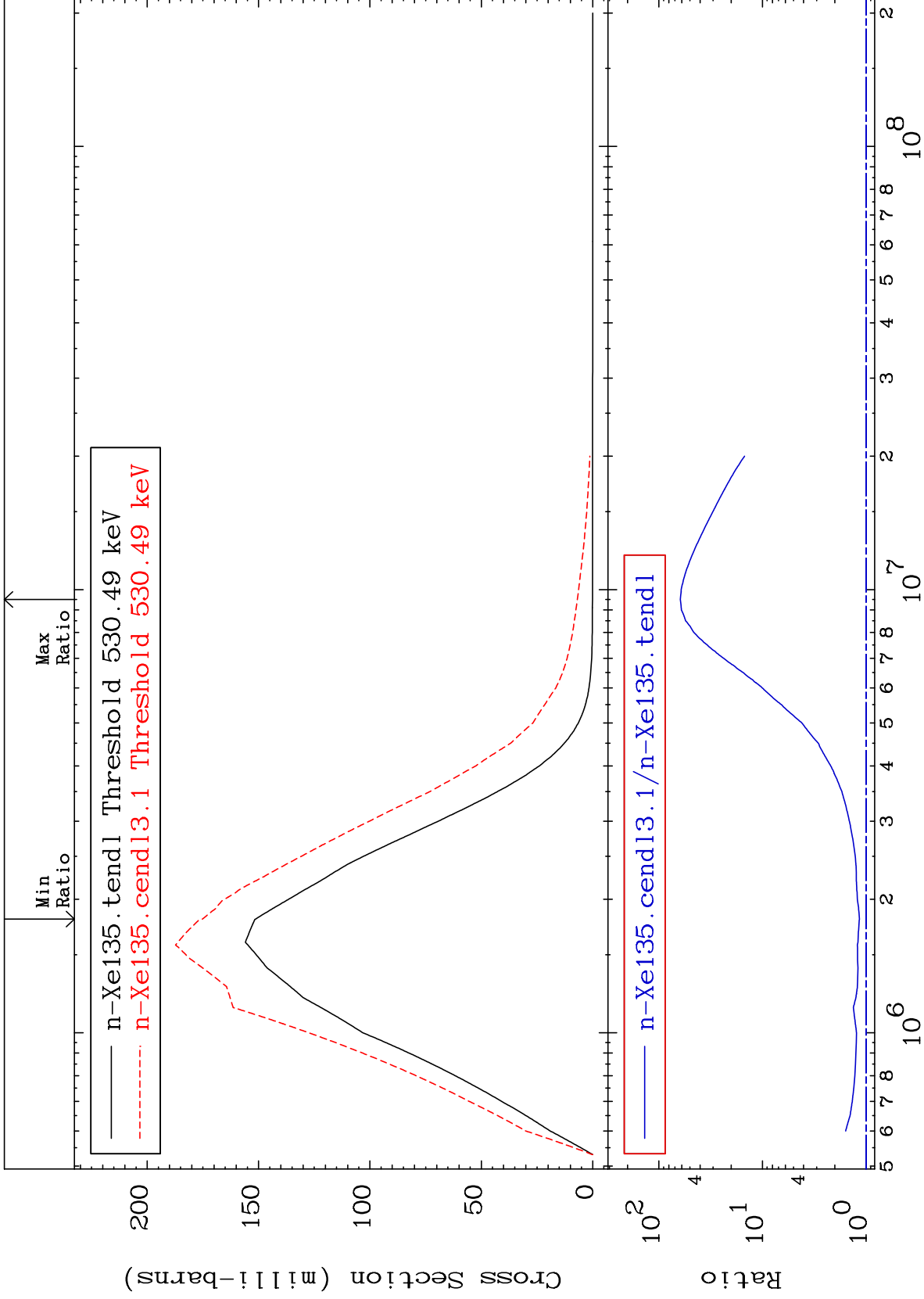
54-Xe-135
-2.140 To 9999. %



MAT 5458

MT= 52 (n,n') Level
Cross Section

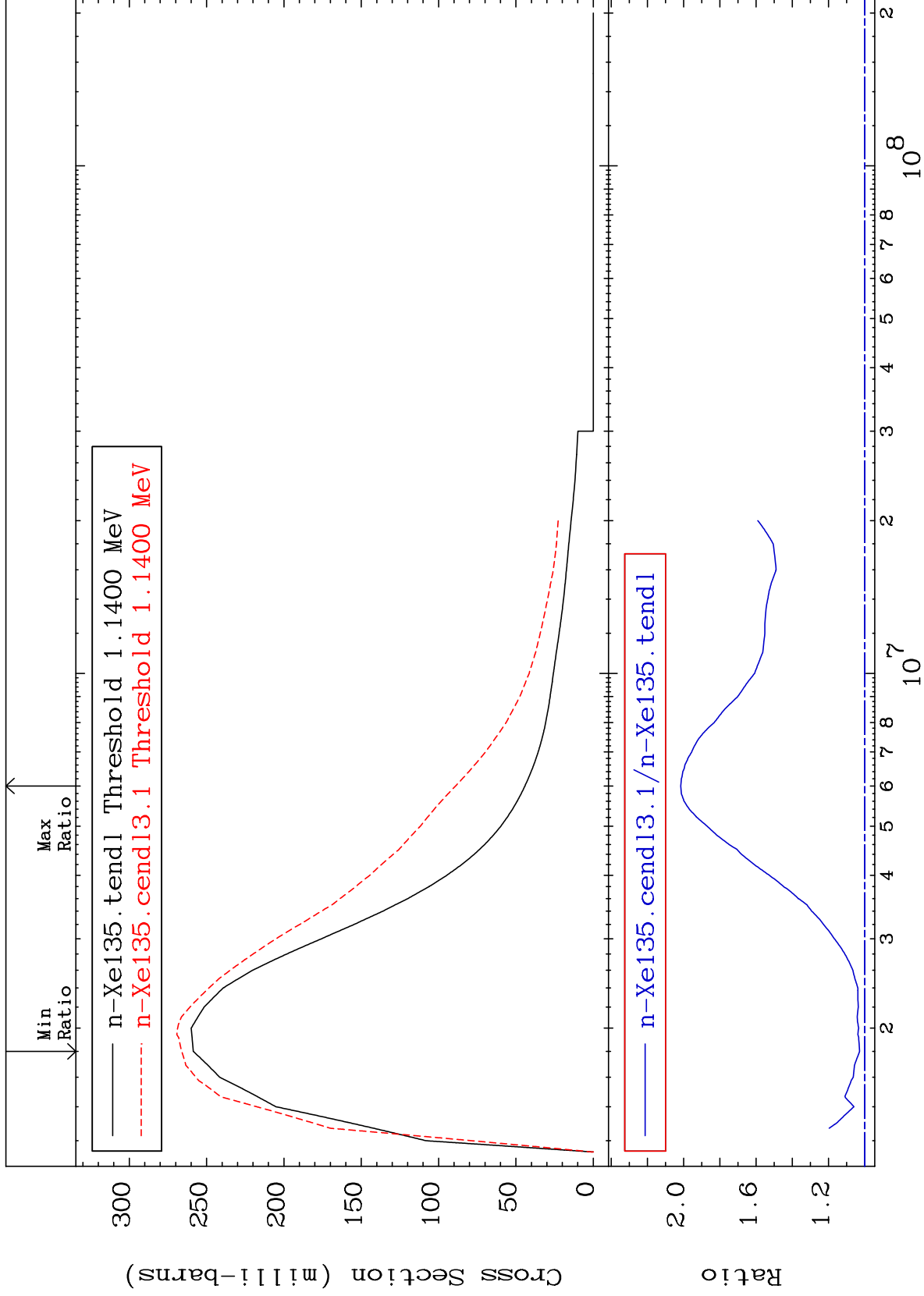
54-Xe-135
15.75 To 6095. %



MAT 5458

MT= 53 (n,n') Level
Cross Section

54-Xe-135
2.886 To 101.6 %



10

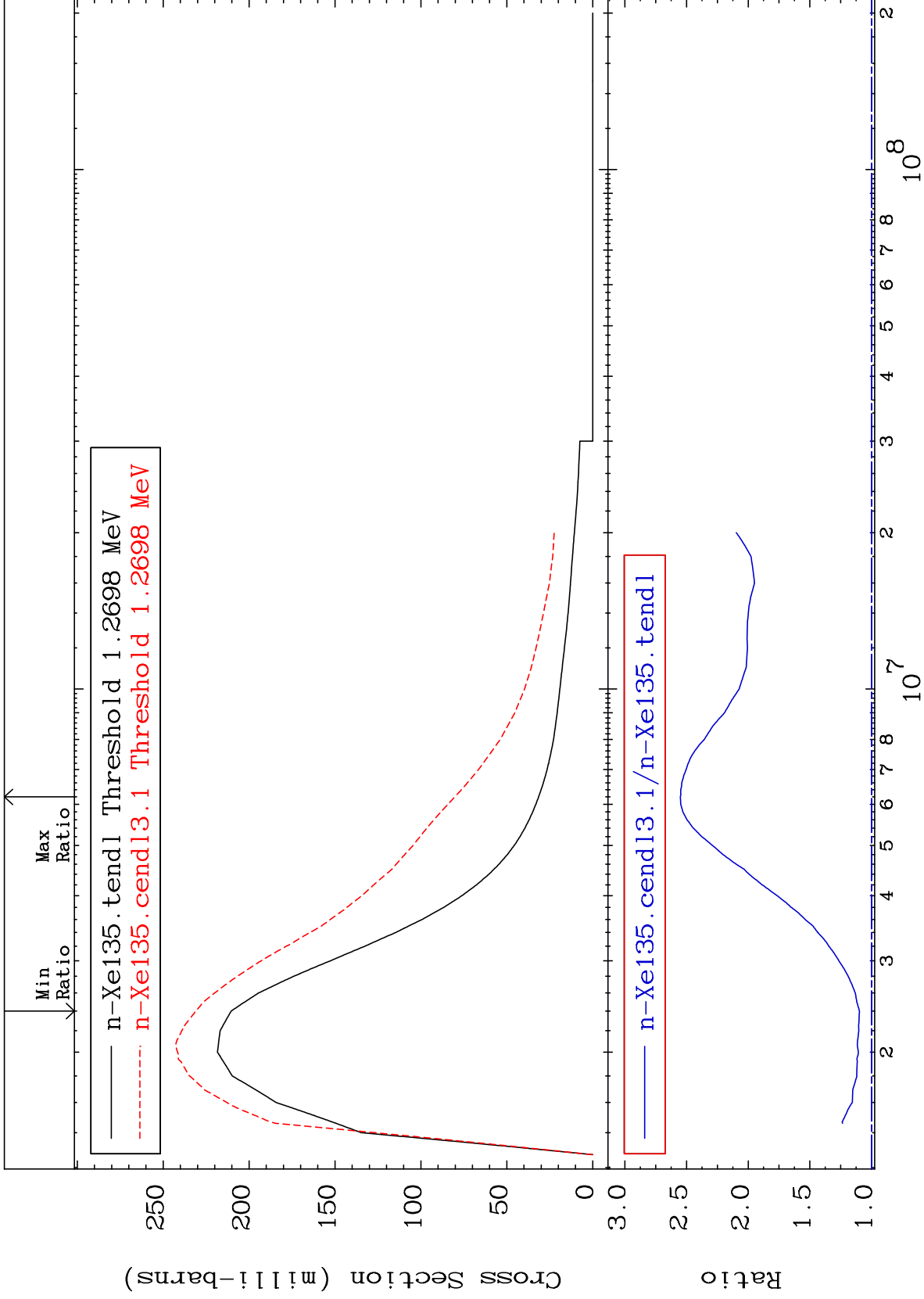
Incident Energy (eV)

54-Xe-135

MAT 5458

MT= 54 (n,n') Level
Cross Section

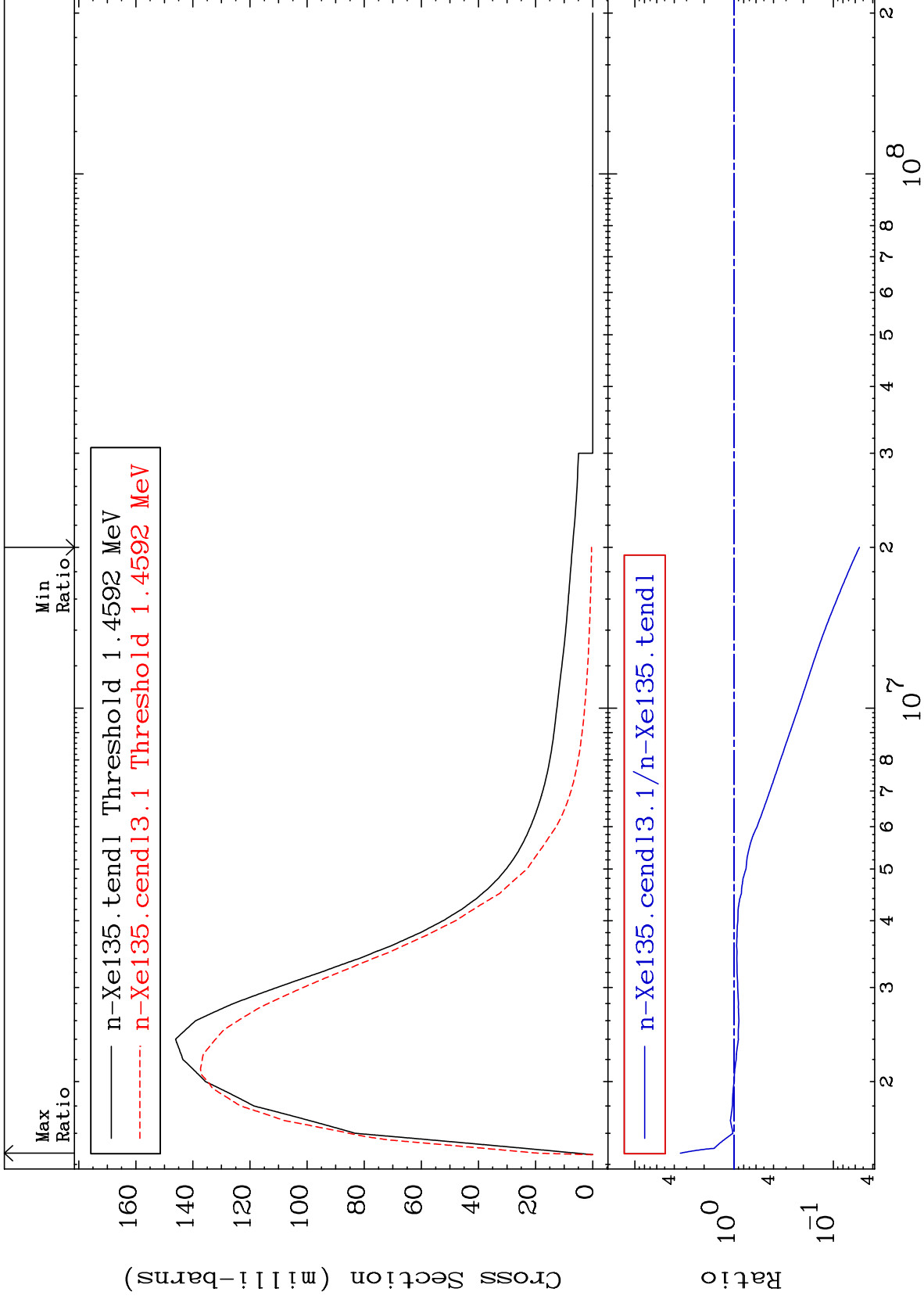
54-Xe-135
9.752 To 155.0 %



MAT 5458

MT= 55 (n,n') Level
Cross Section

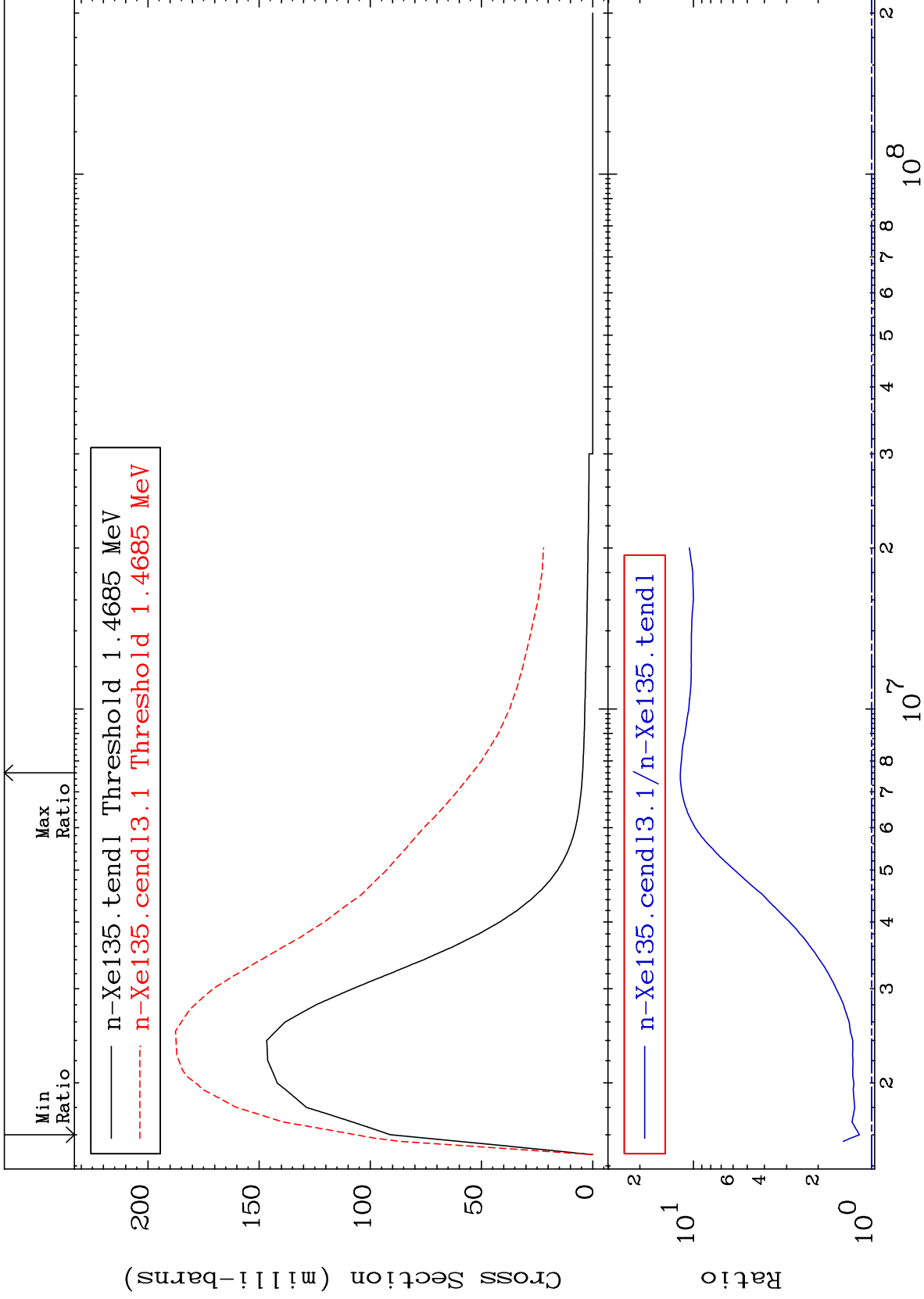
54-Xe-135
-94.55 To 247.2 %



MAT 5458

MT= 56 (n,n') Level
Cross Section

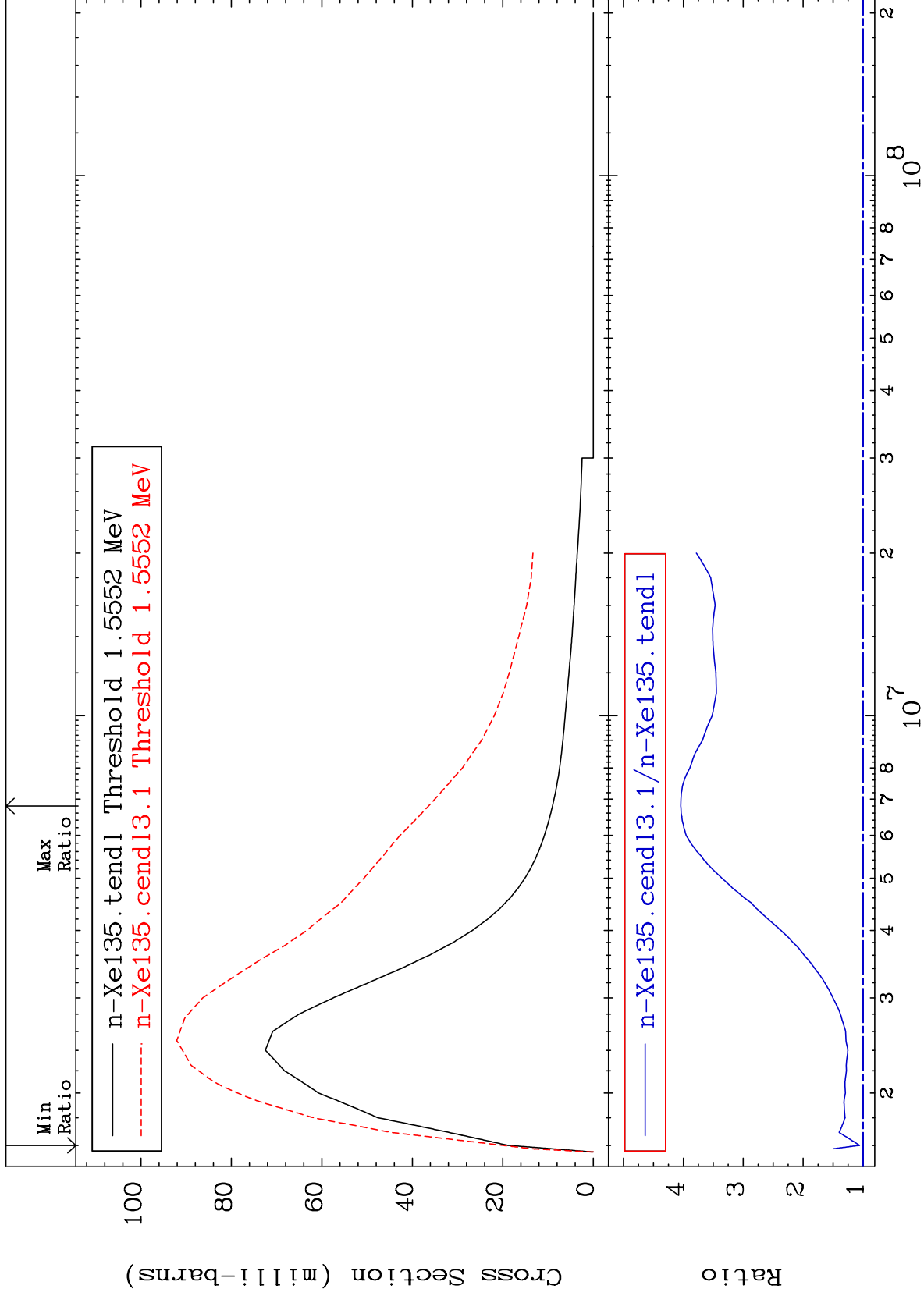
54-Xe-135
17.12 To 1086. %



MAT 5458

MT= 57 (n,n') Level
Cross Section

54-Xe-135
5.808 To 304.3 %



14

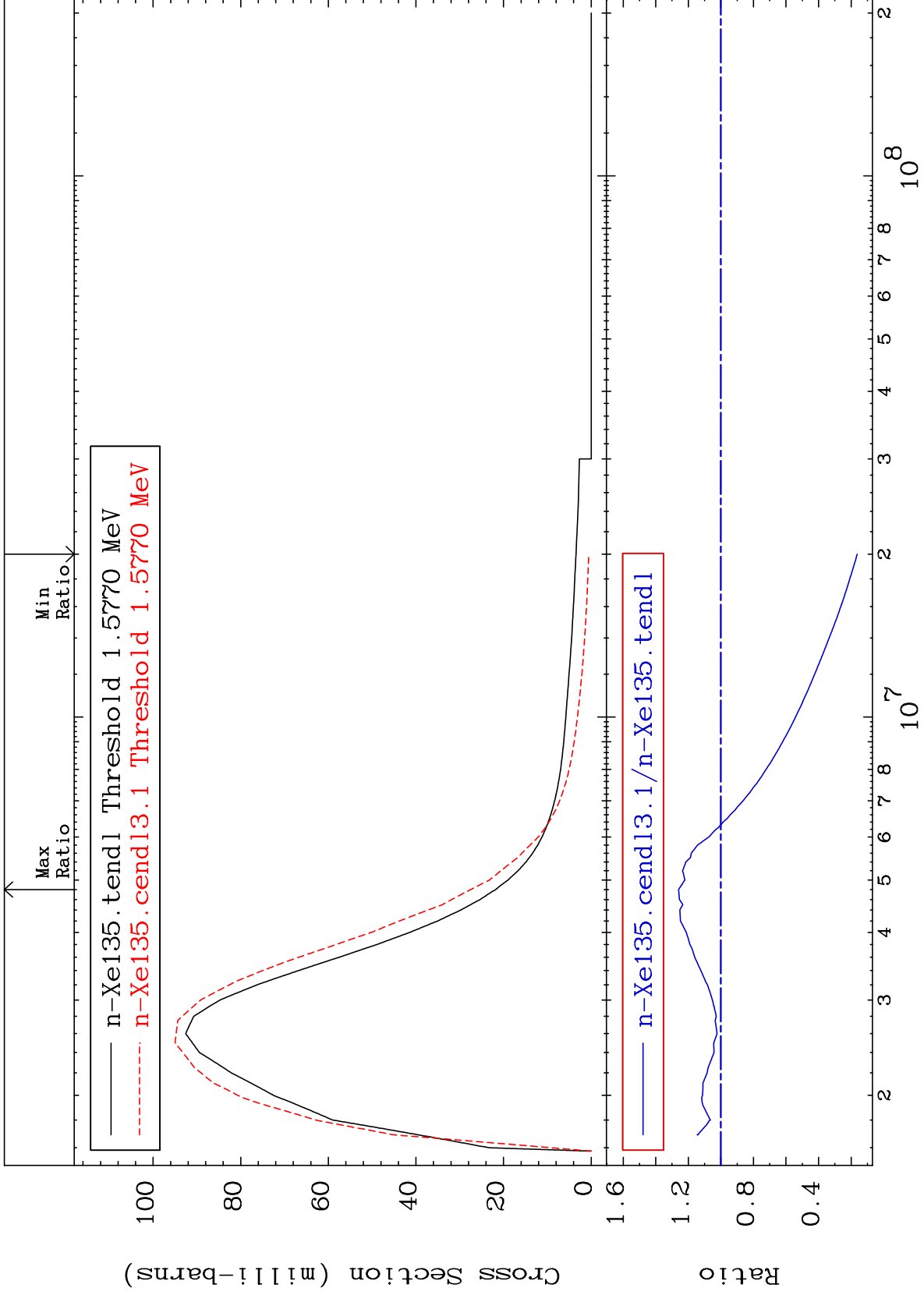
Incident Energy (eV)

54-Xe-135

MAT 5458

MT= 58 (n,n') Level
Cross Section

54-Xe-135
-83.76 To 25.94 %



15

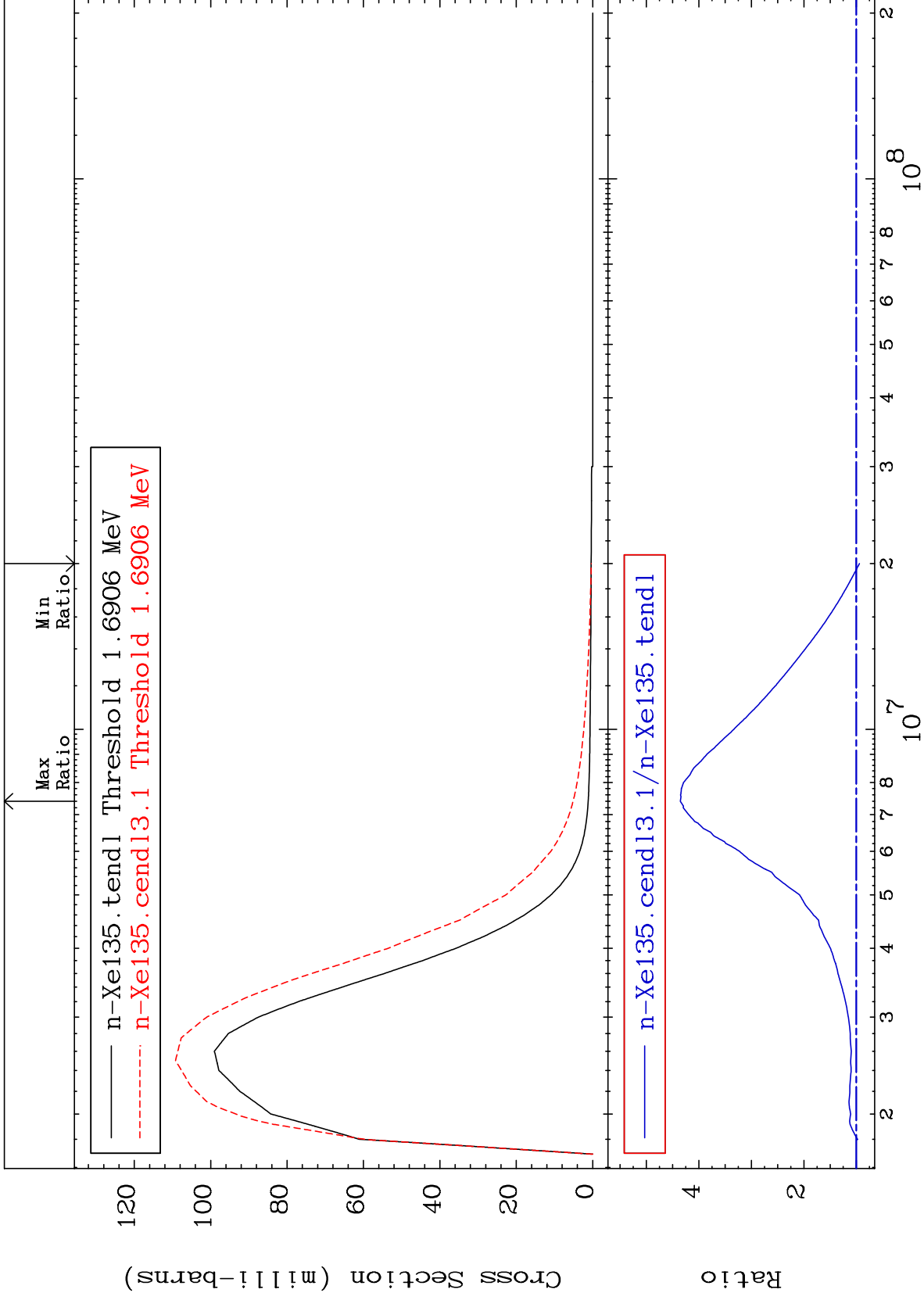
Incident Energy (eV)

54-Xe-135

MAT 5458

MT= 59 (n,n') Level
Cross Section

54-Xe-135
-5.790 To 335.2 %



16

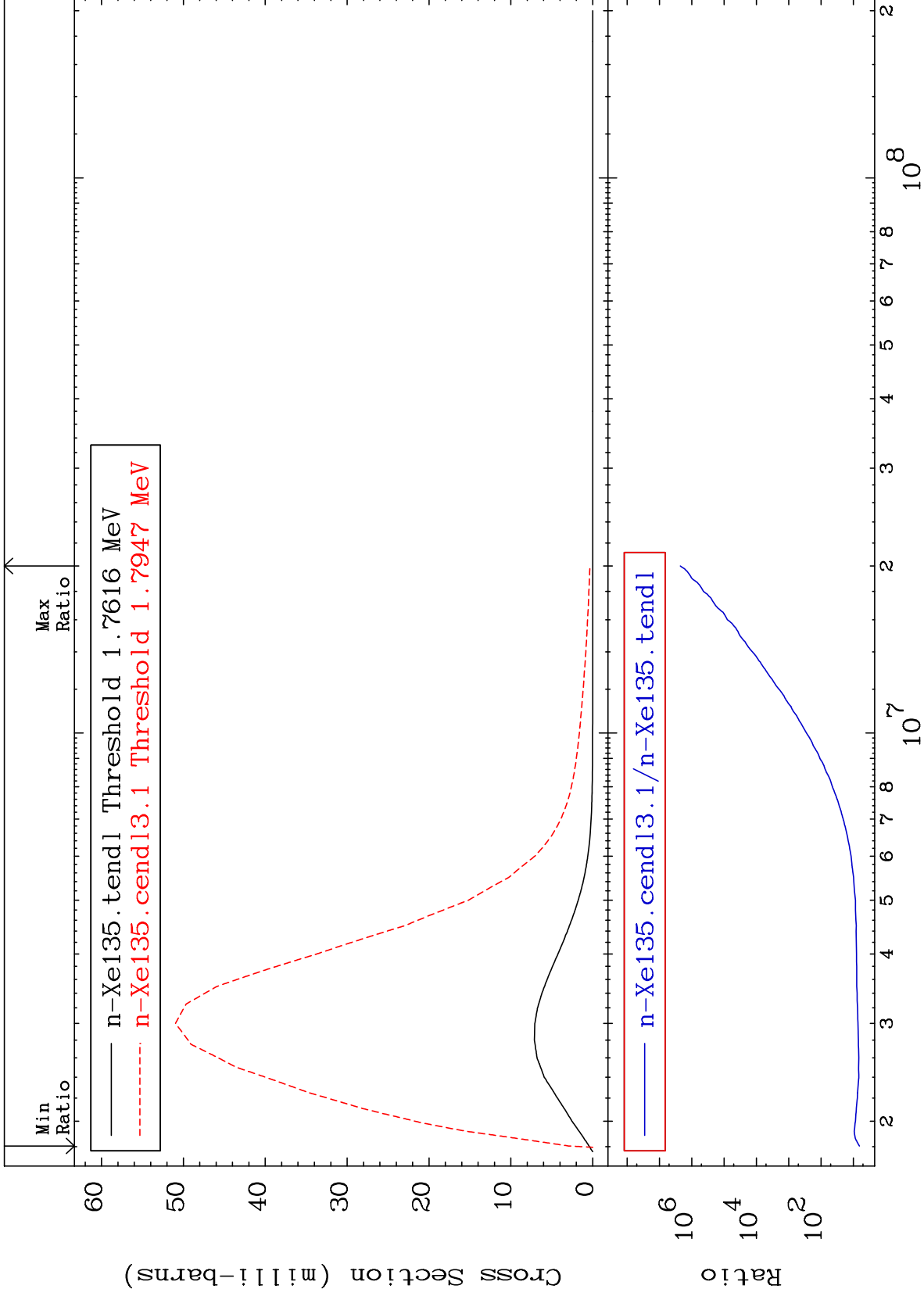
Incident Energy (eV)

54-Xe-135

MAT 5458

MT= 60 (n,n') Level
Cross Section

54-Xe-135
545.2 To 9999. %



17

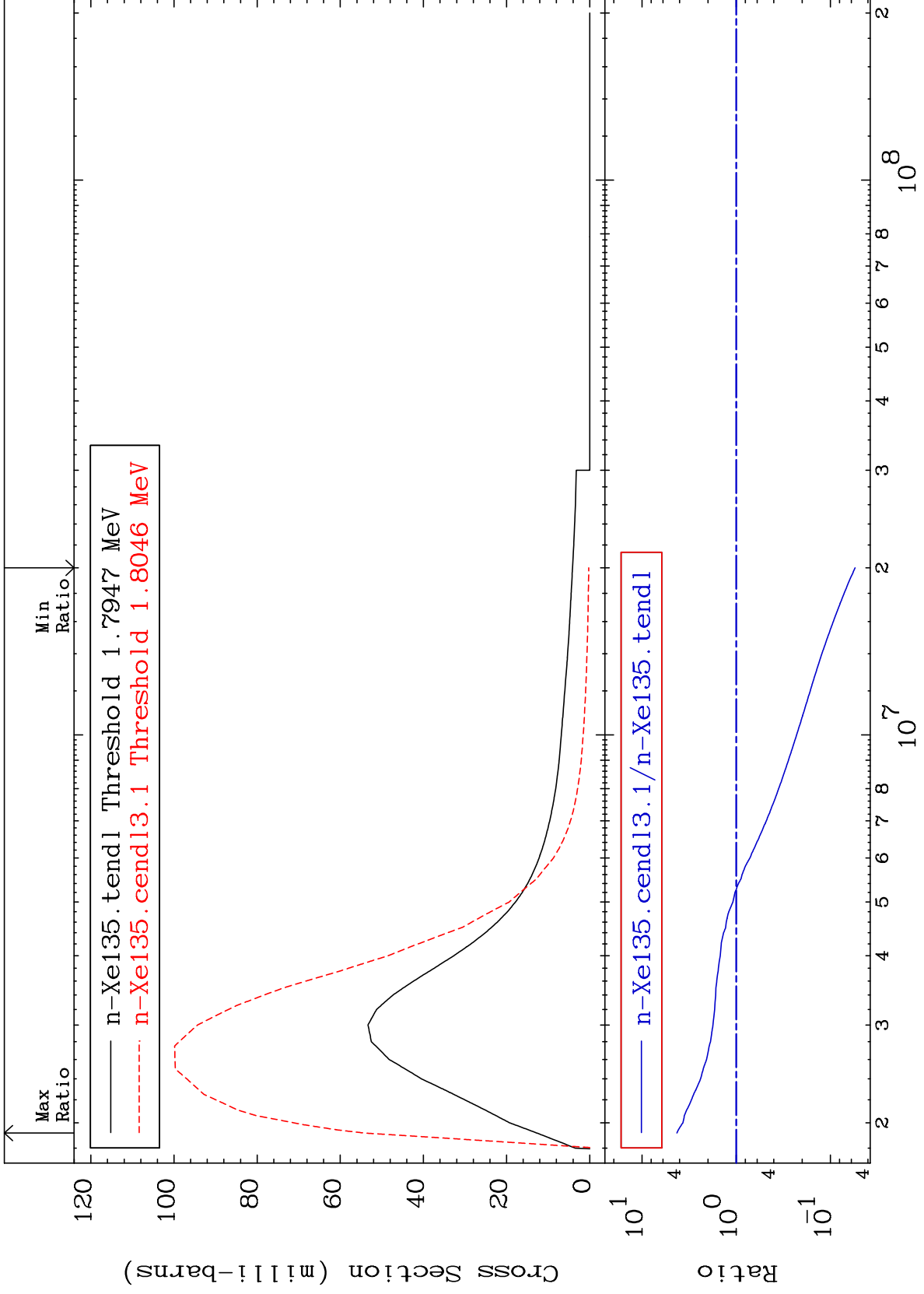
Incident Energy (eV)

54-Xe-135

MAT 5458

MT= 61 (n,n') Level
Cross Section

54-Xe-135
-94.52 To 326.8 %



18

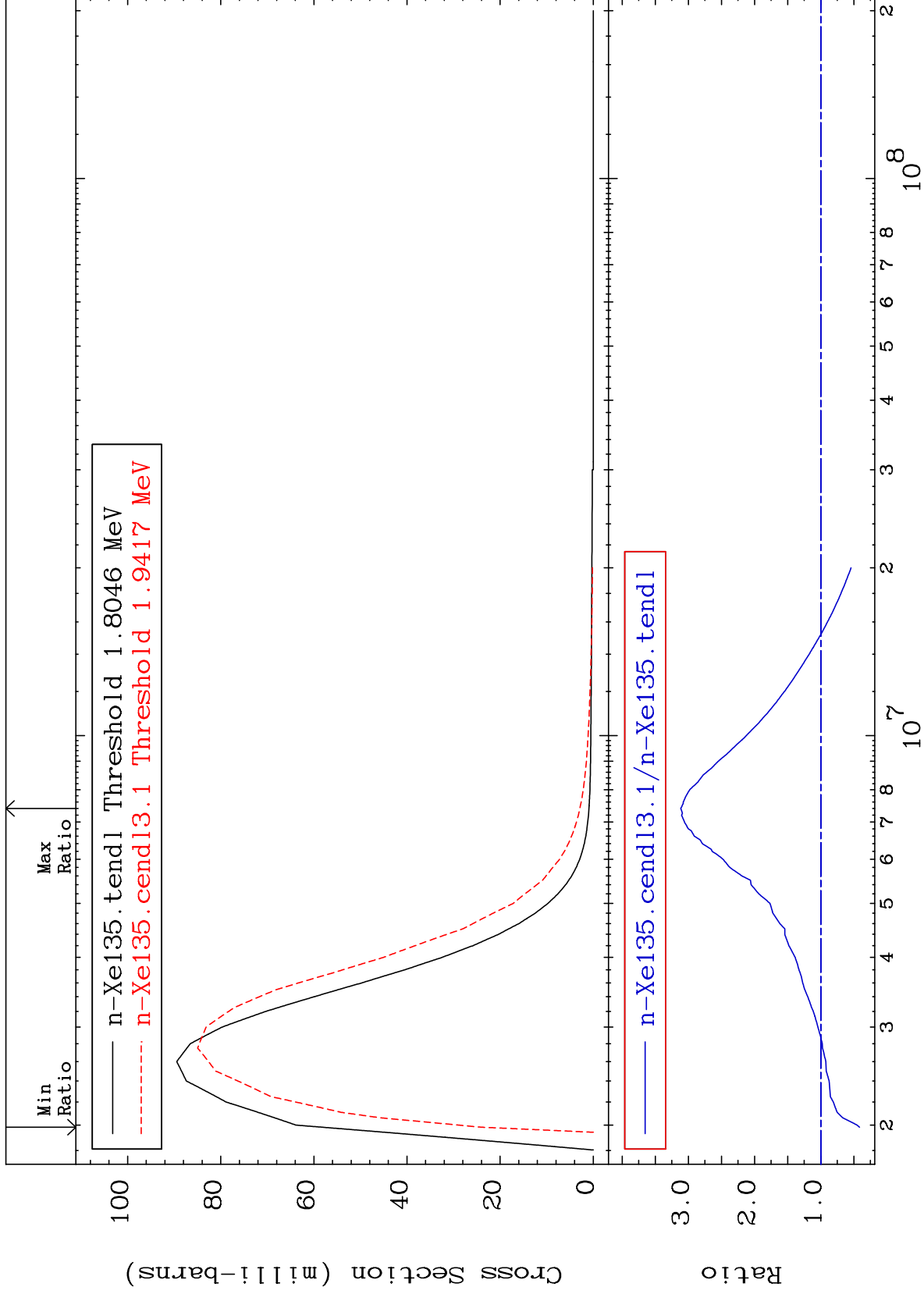
Incident Energy (eV)

54-Xe-135

MAT 5458

MT= 62 (n,n') Level
Cross Section

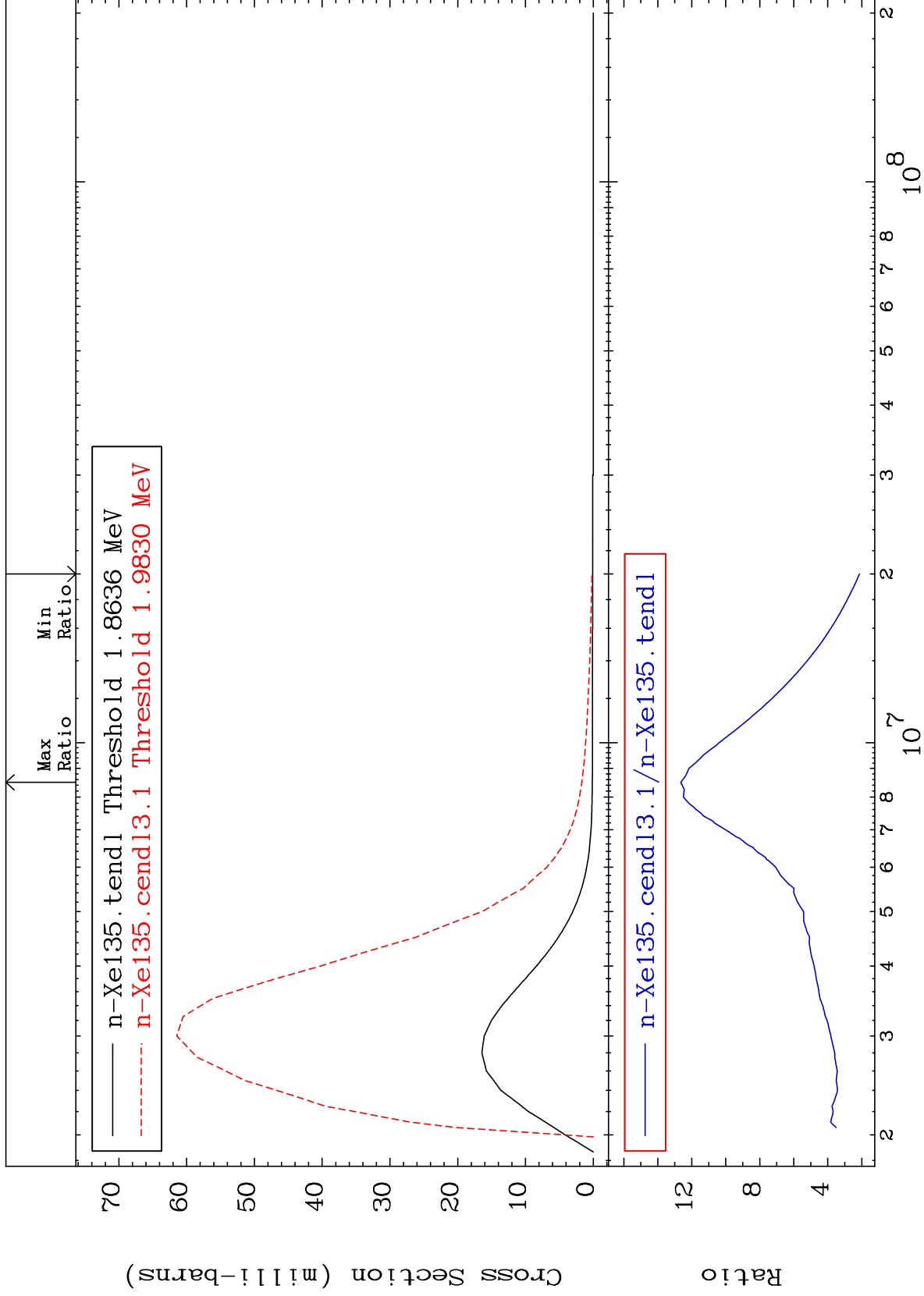
54-Xe-135
-58.57 To 211.5 %



MAT 5458

MT= 63 (n,n') Level
Cross Section

54-Xe-135
113.1 To 1165. %



20

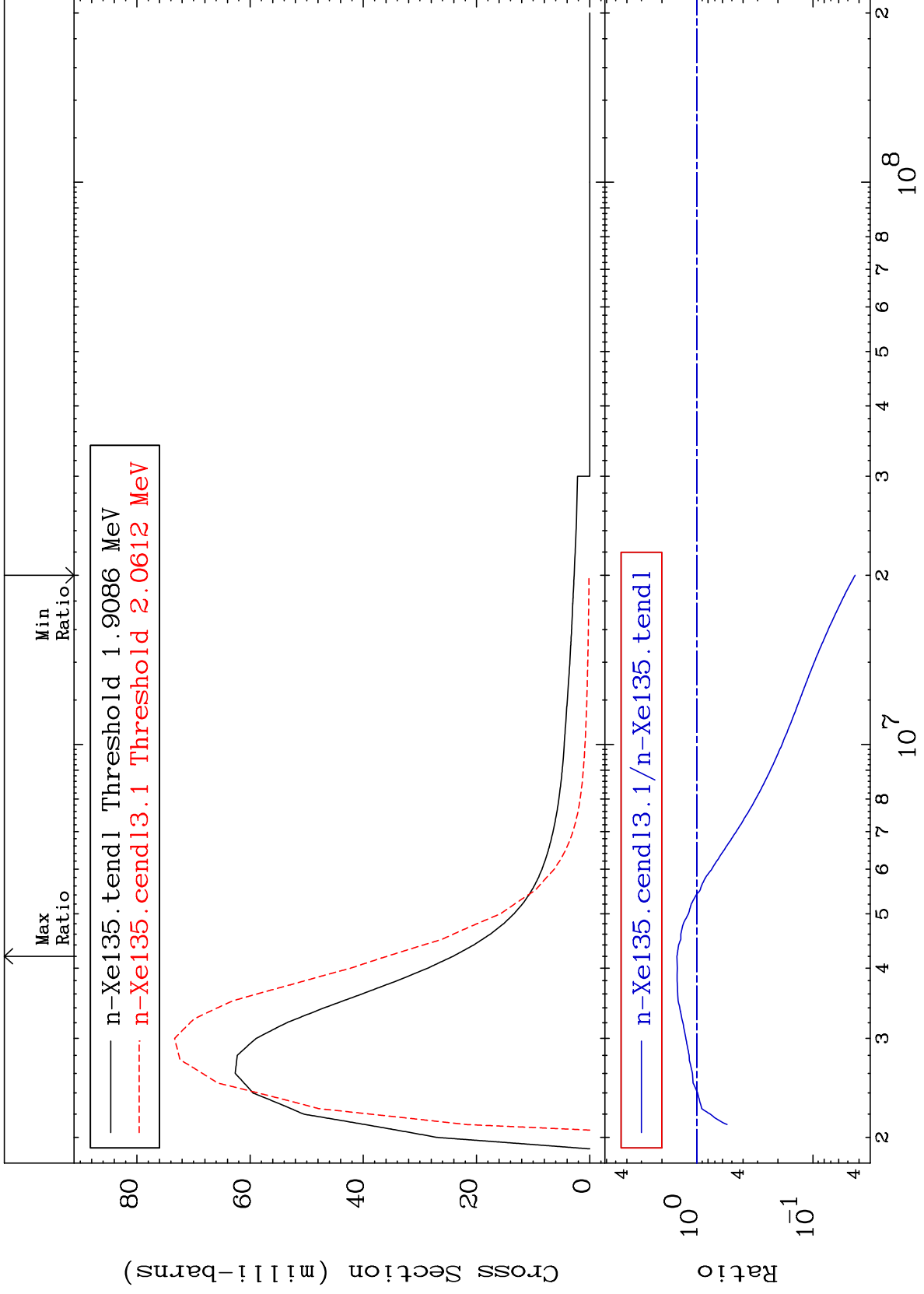
54-Xe-135

54-Xe-135

MAT 5458

MT= 64 (n,n') Level
Cross Section

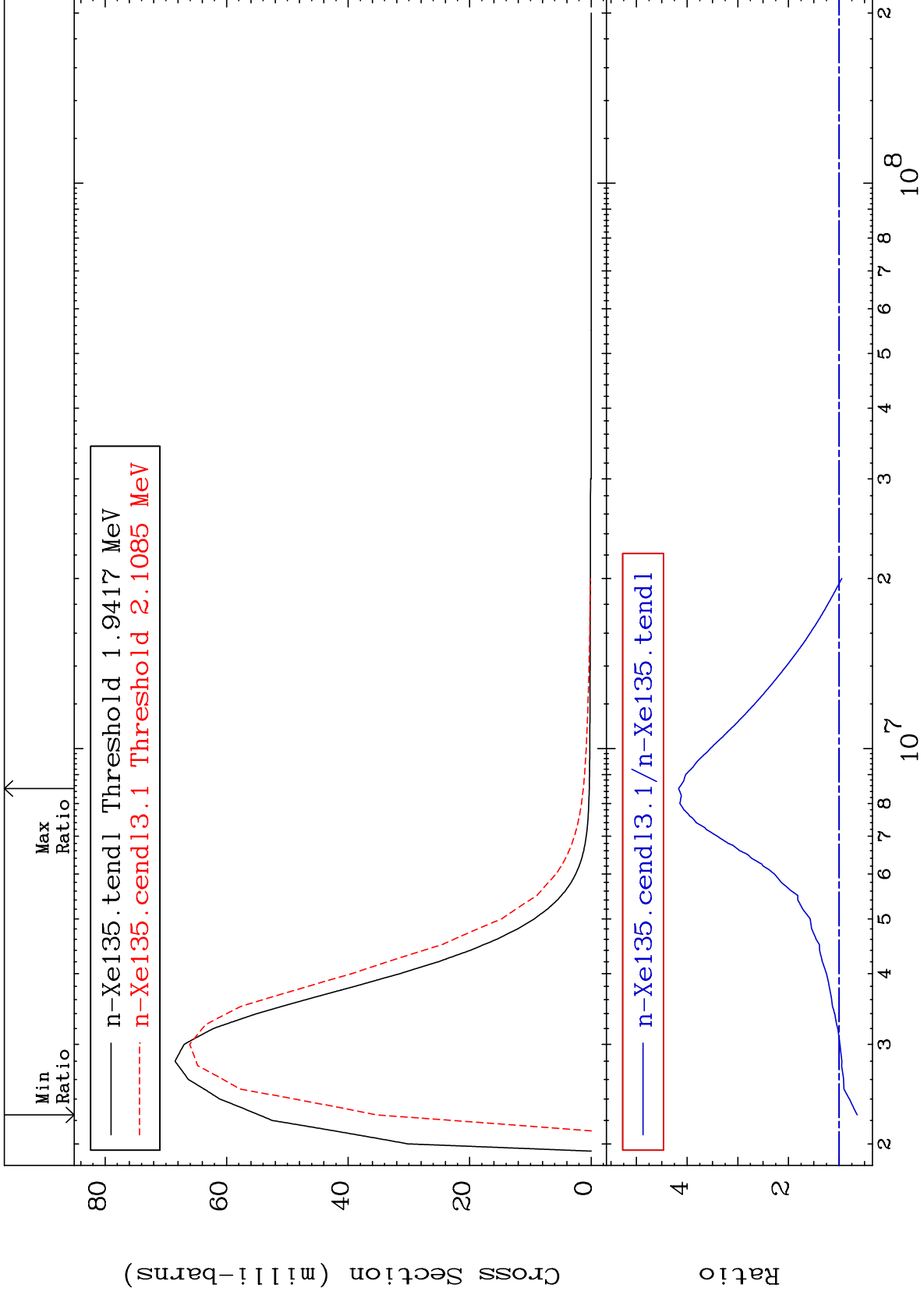
54-Xe-135
-95.67 To 48.39 %



MAT 5458

MT= 65 (n,n') Level
Cross Section

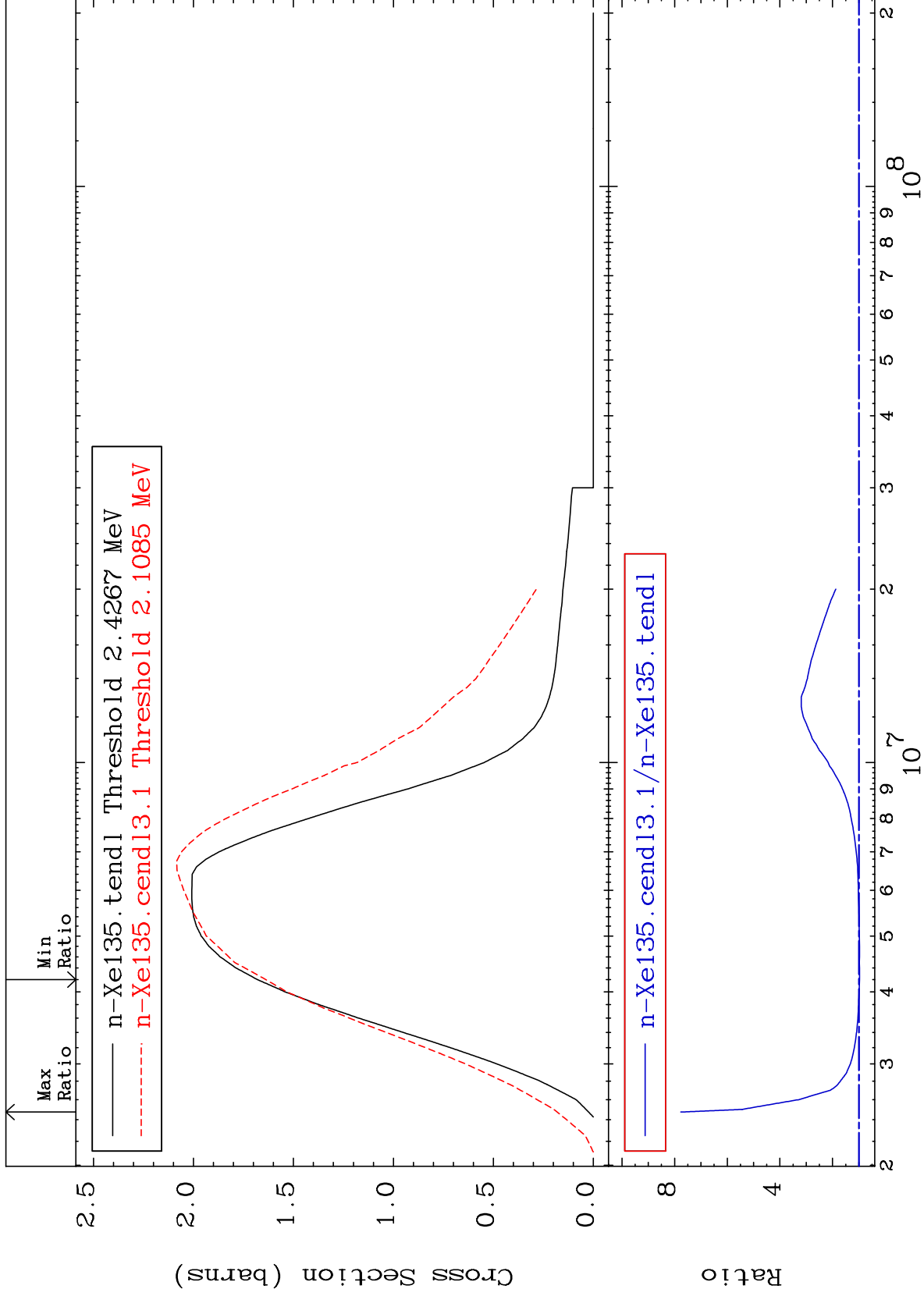
54-Xe-135
-35.52 To 316.5 %



MAT 5458

(n, n') Continuum
Cross Section

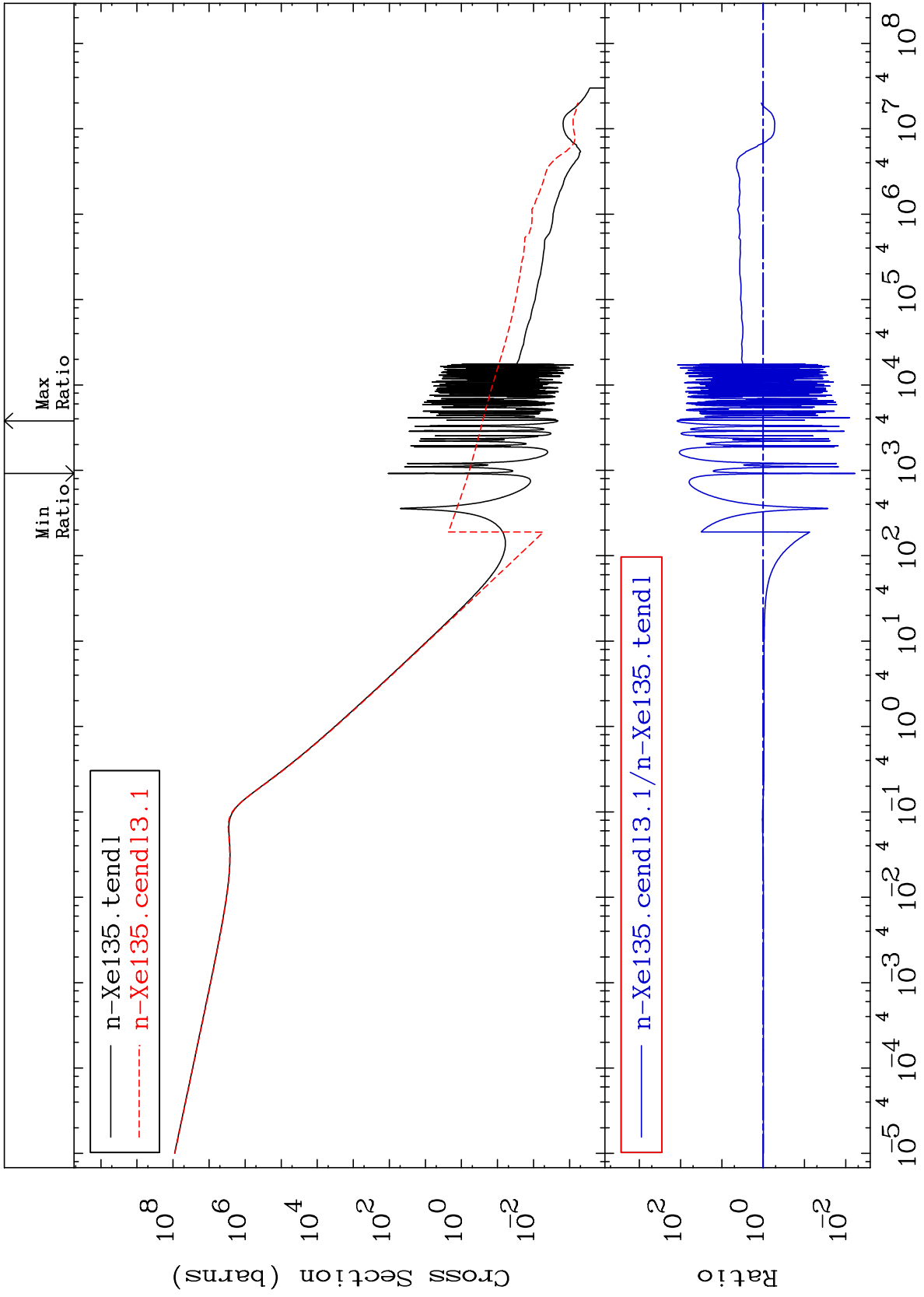
54-Xe-135
-2.485 To 676.5 %



MAT 5458

(n, γ)
Cross Section

54-Xe-135
-99.40 To 9999. %



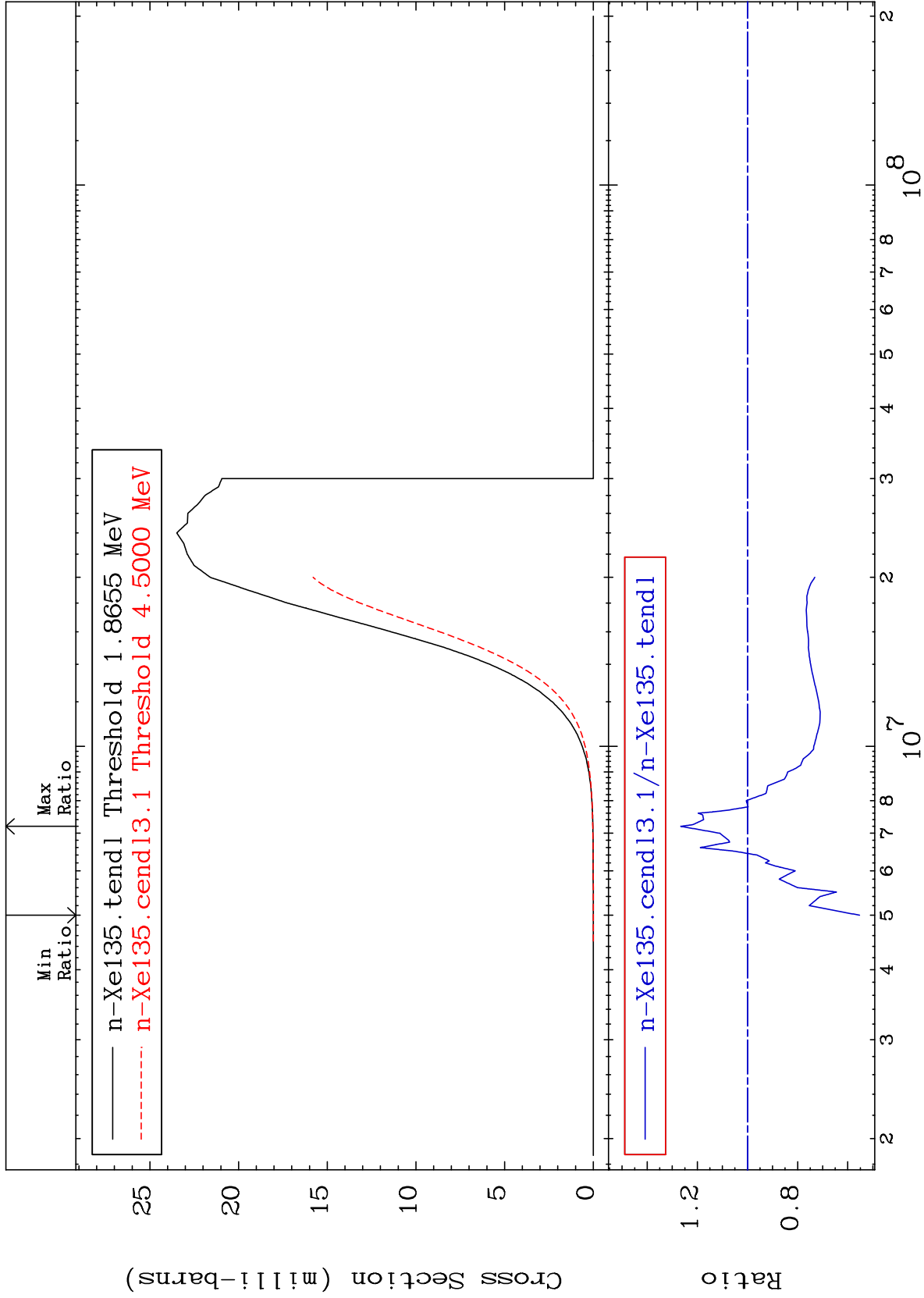
MAT 5458

(n, p)

54-Xe-135

Cross Section

-44.70 To 26.60 %



25

Incident Energy (eV)

54-Xe-135

MAT 5458

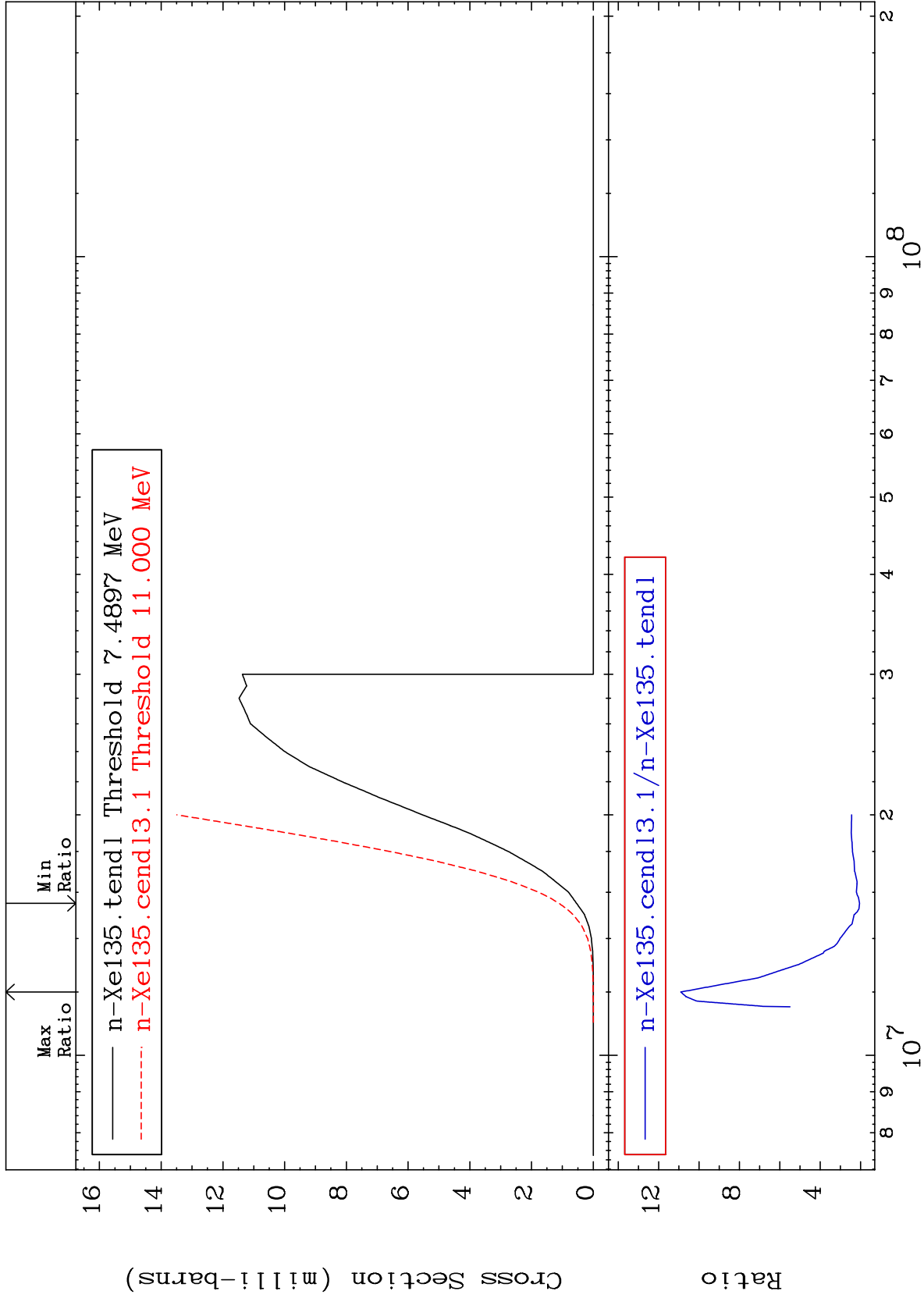
(n, d)

54-Xe-135

Cross Section

104.8

To 990.3 %



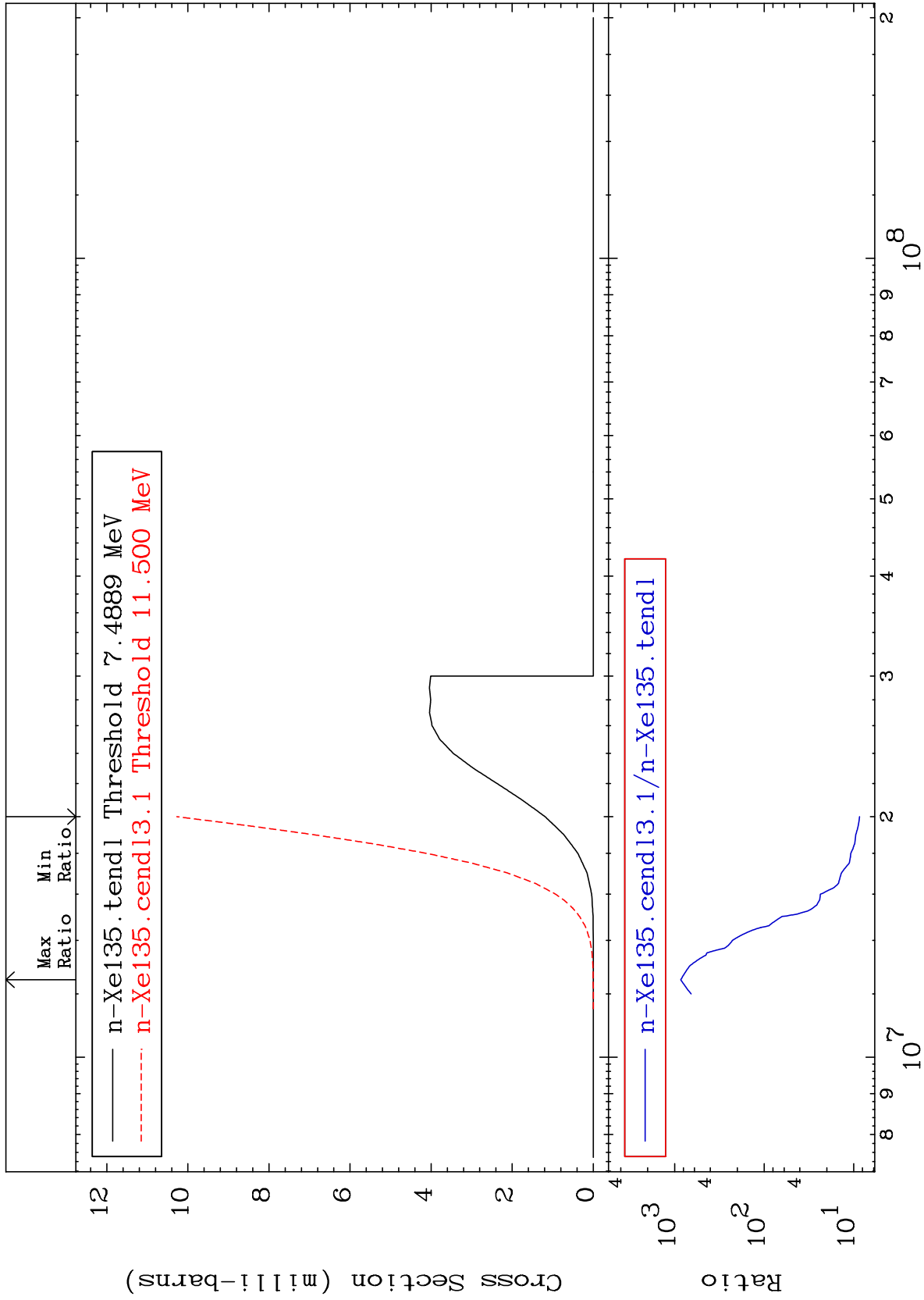
MAT 5458

(n, t)

54-Xe-135

Cross Section

762.9 To 9999. %



27

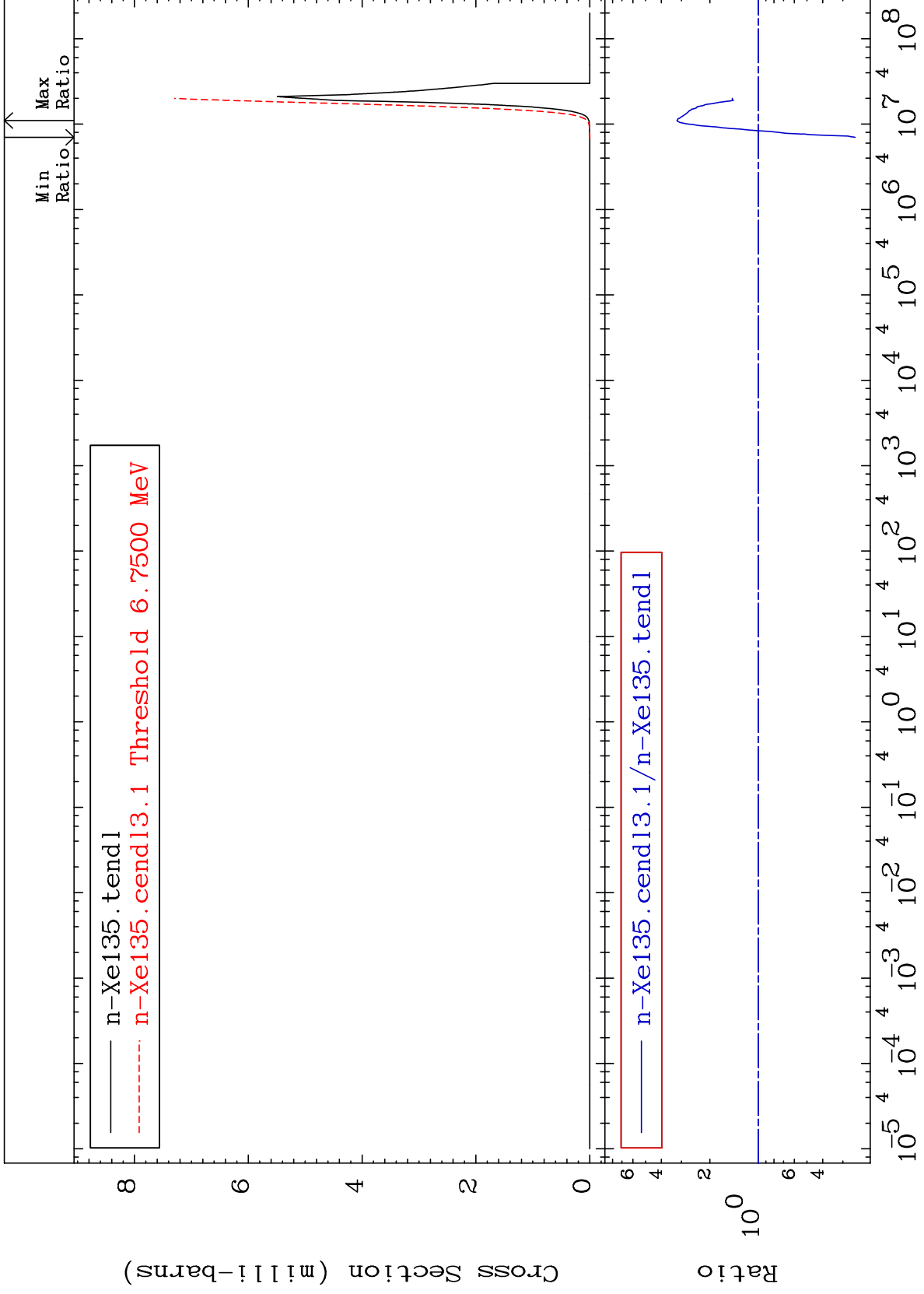
Incident Energy (eV)

54-Xe-135

MAT 5458

(n, α)
Cross Section

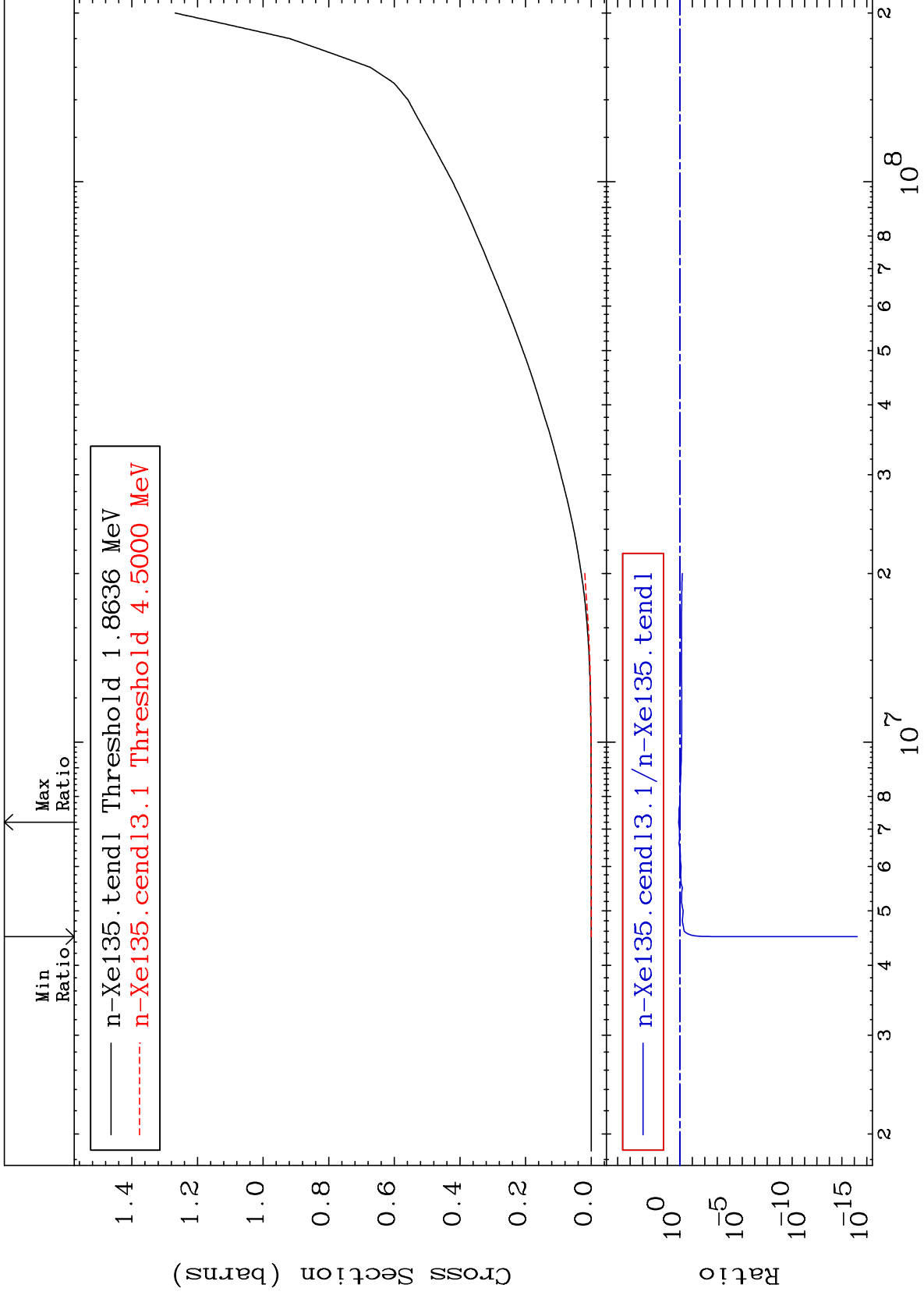
54-Xe-135
-74.81 To 219.8 %



MAT 5458

Hydrogen Production
Cross Section

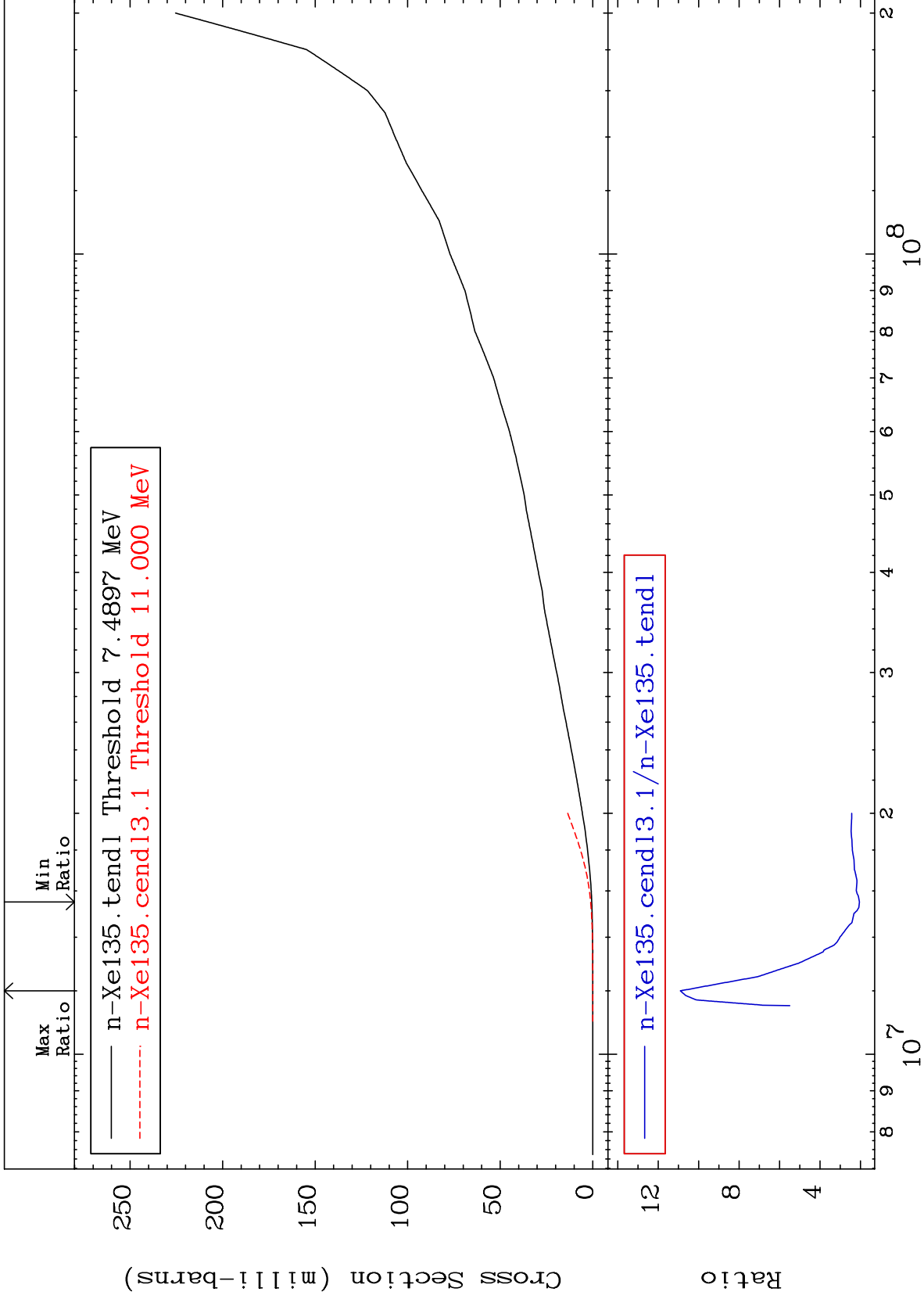
54-Xe-135
-100.0 To 26.60 %



MAT 5458

Deuterium Production
Cross Section

54-Xe-135
104.8 To 990.3 %



30

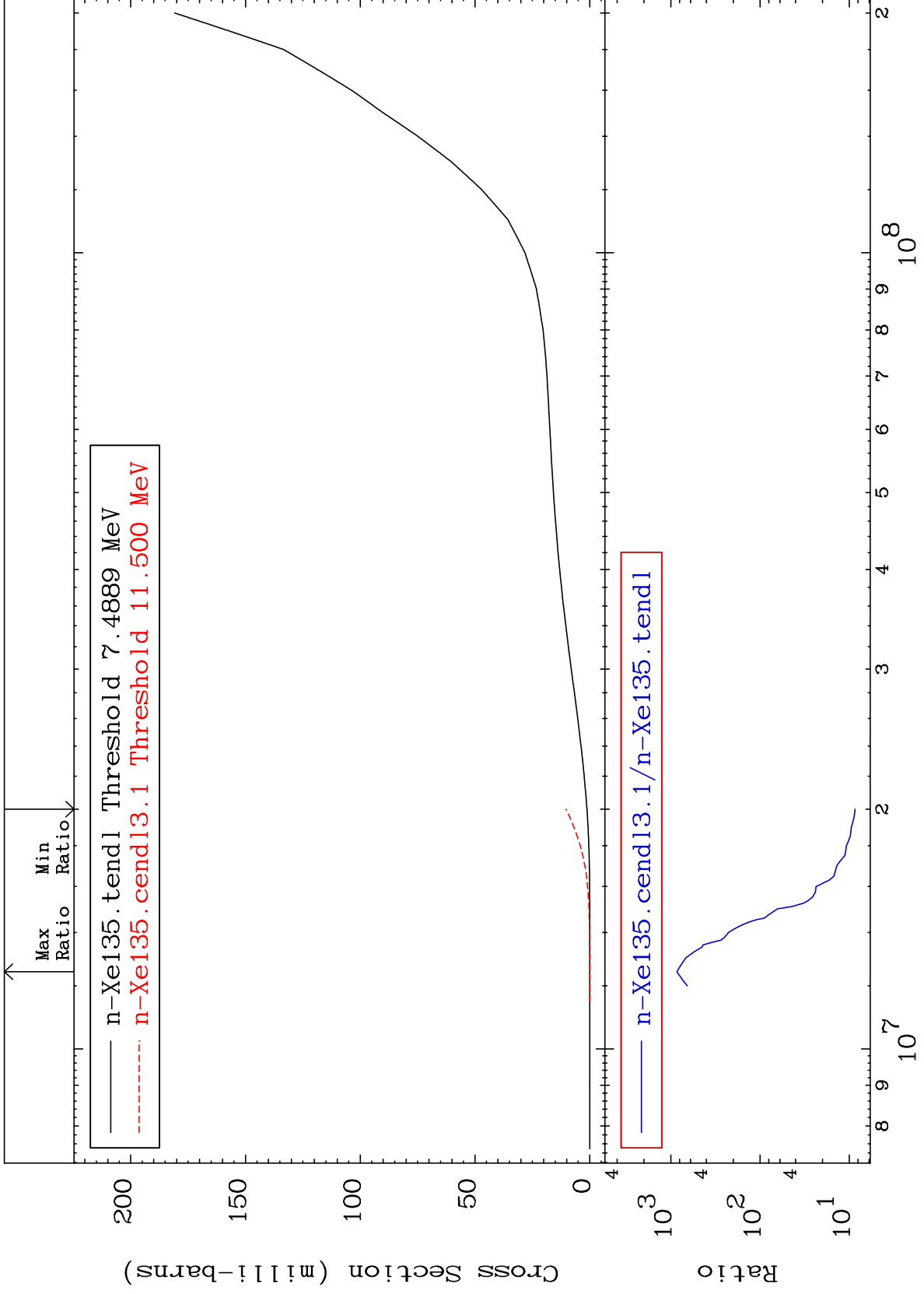
Incident Energy (eV)

54-Xe-135

MAT 5458

Tritium Production
Cross Section

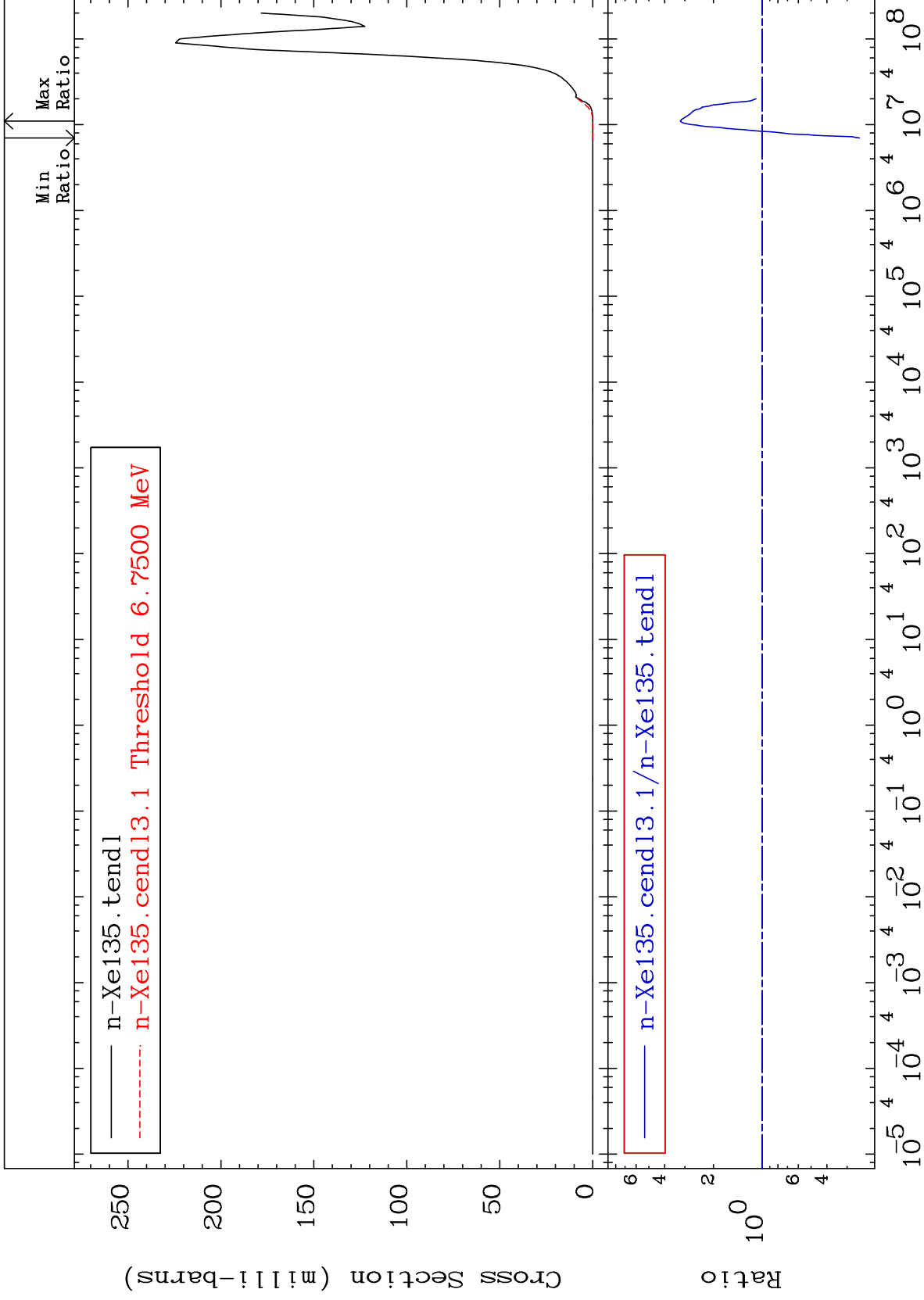
54-Xe-135
762.9 To 9999. %



MAT 5458

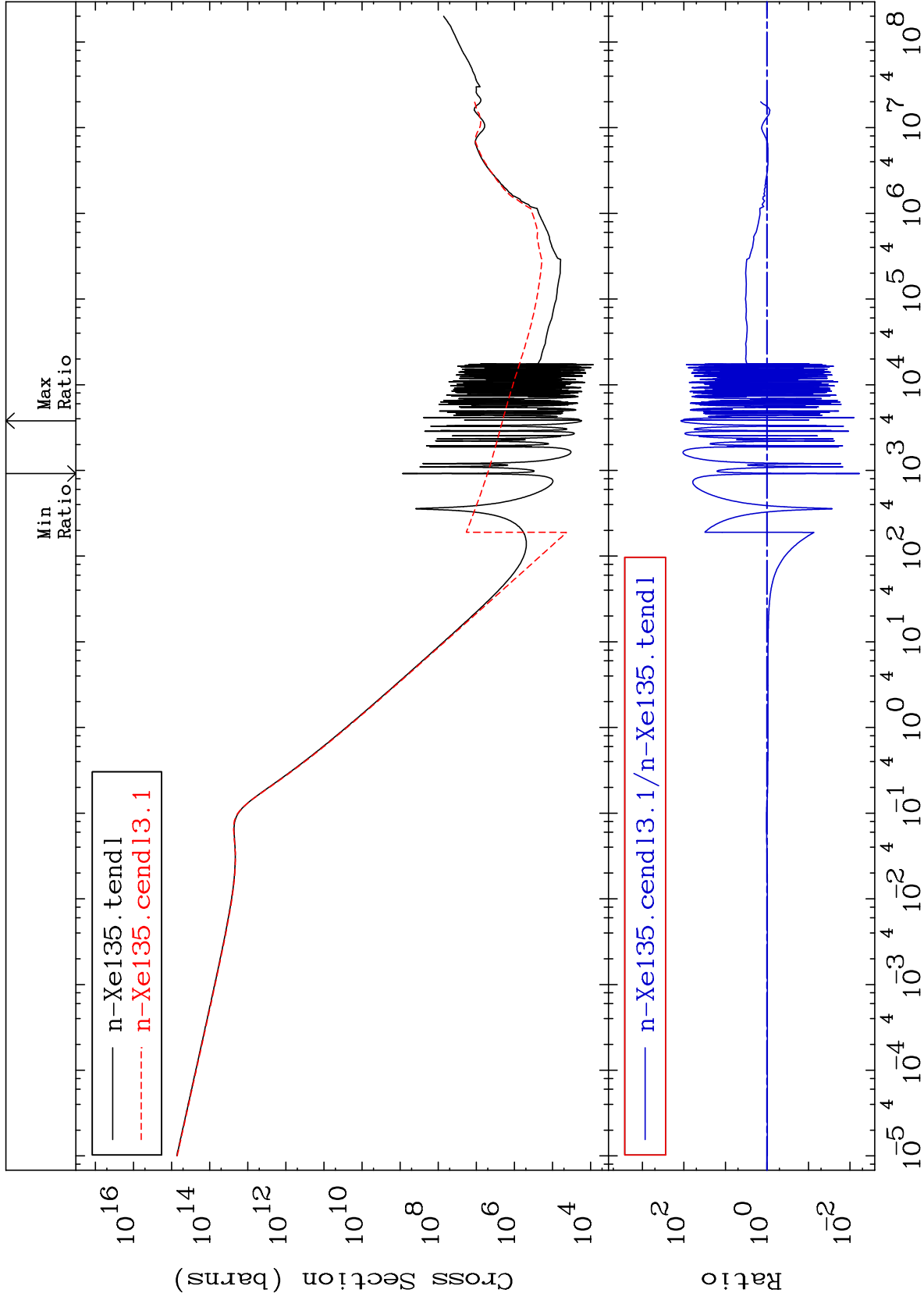
He-4 Production
Cross Section

54-Xe-135
-74.81 To 219.8 %



Cross Section

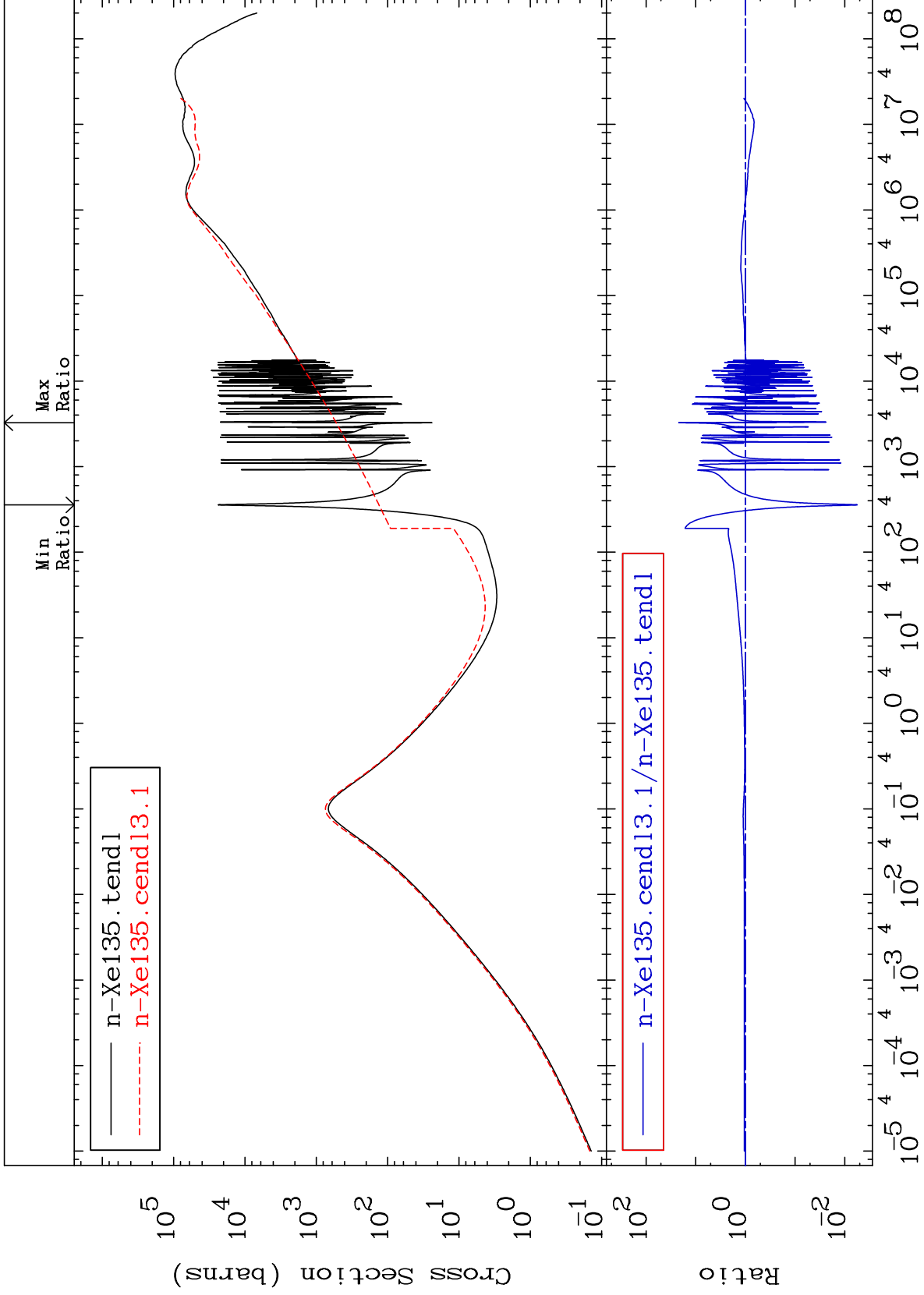
-99.41 To 9999. %



MAT 5458

Kerma elastic
Cross Section

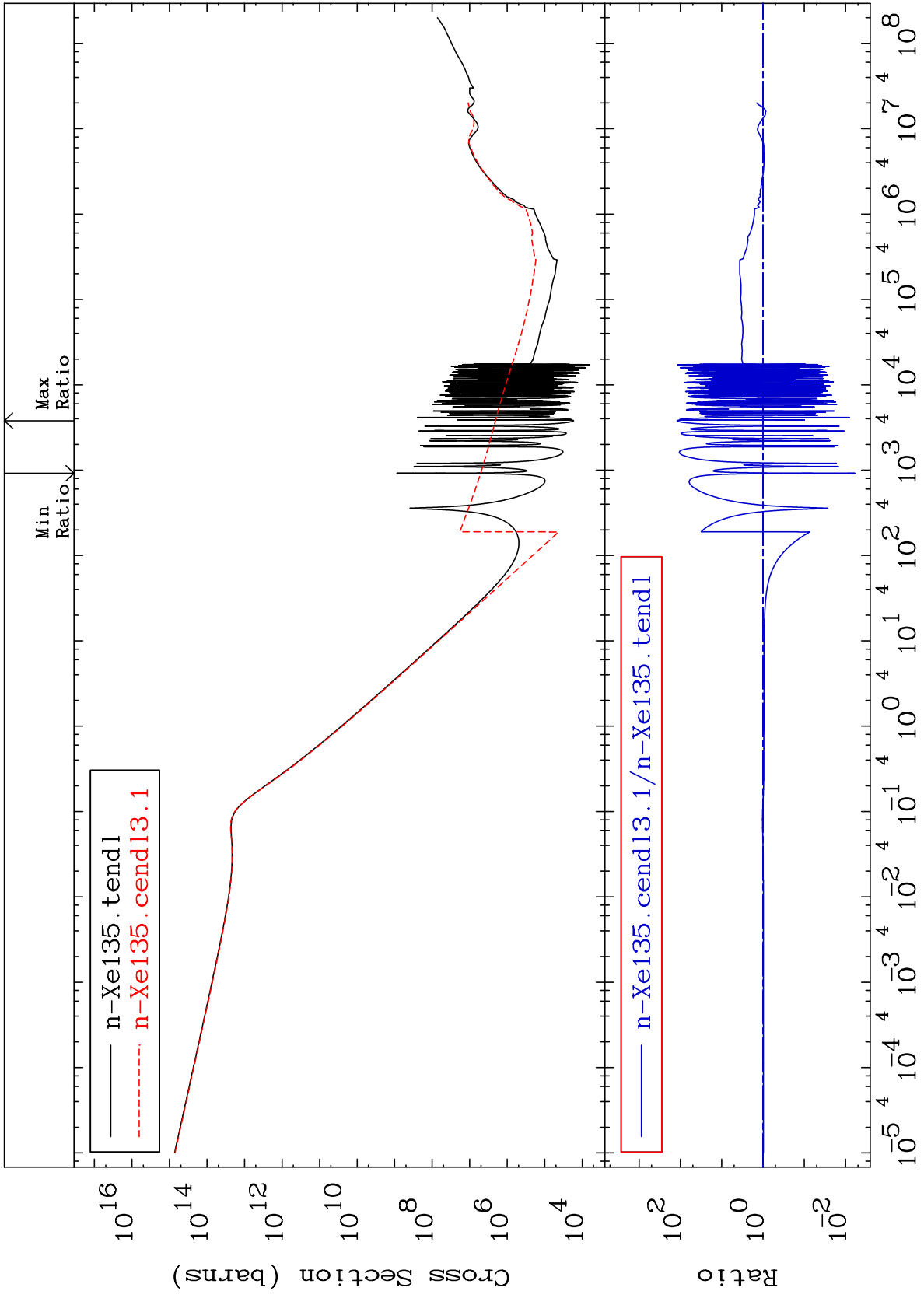
54-Xe-135
-99.44 To 2107. %



MAT 5458

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-135
-99.41 To 9999. %



35

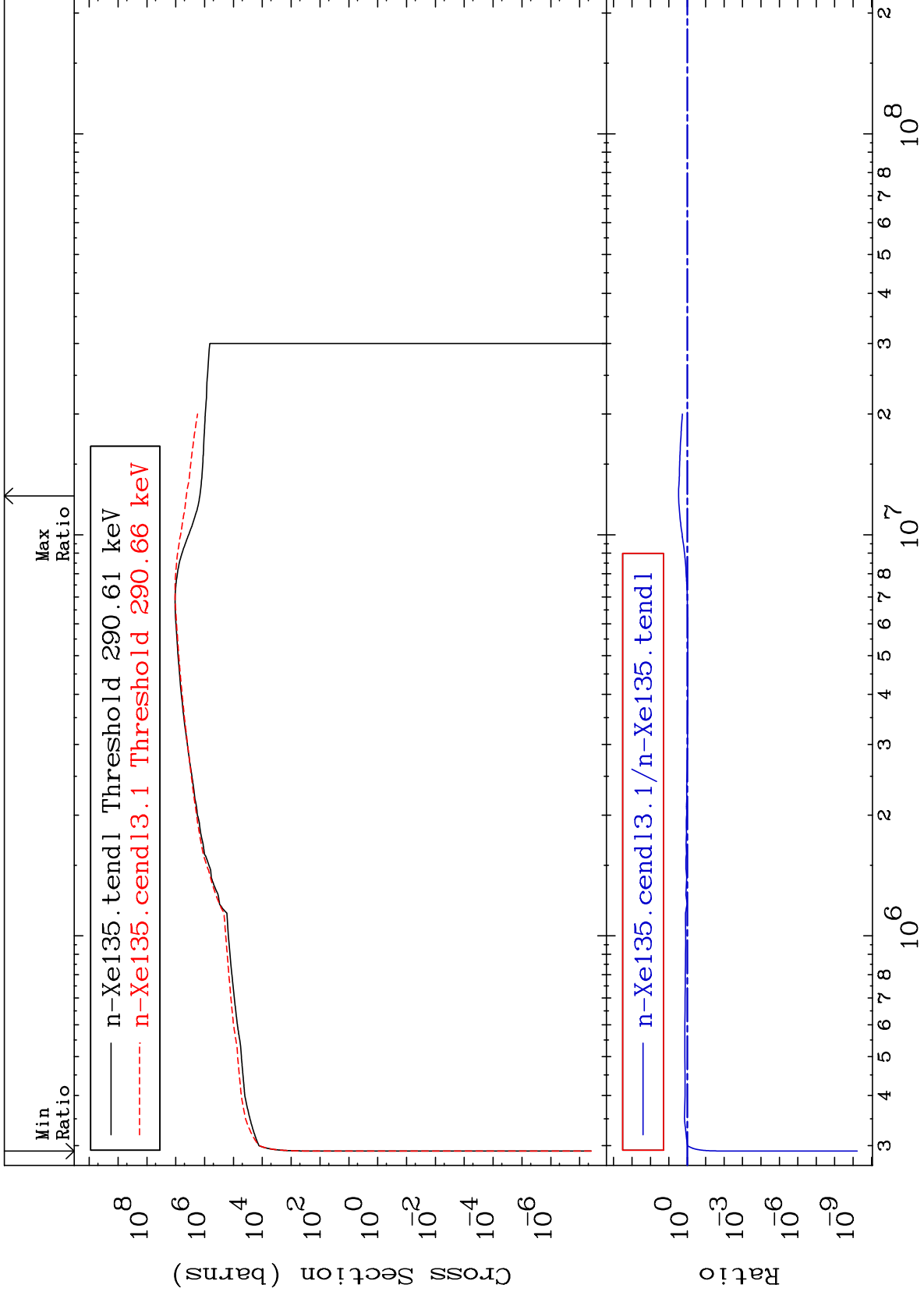
Incident Energy (eV)

54-Xe-135

MAT 5458

Kerma inelastic (mt51-91)
Cross Section

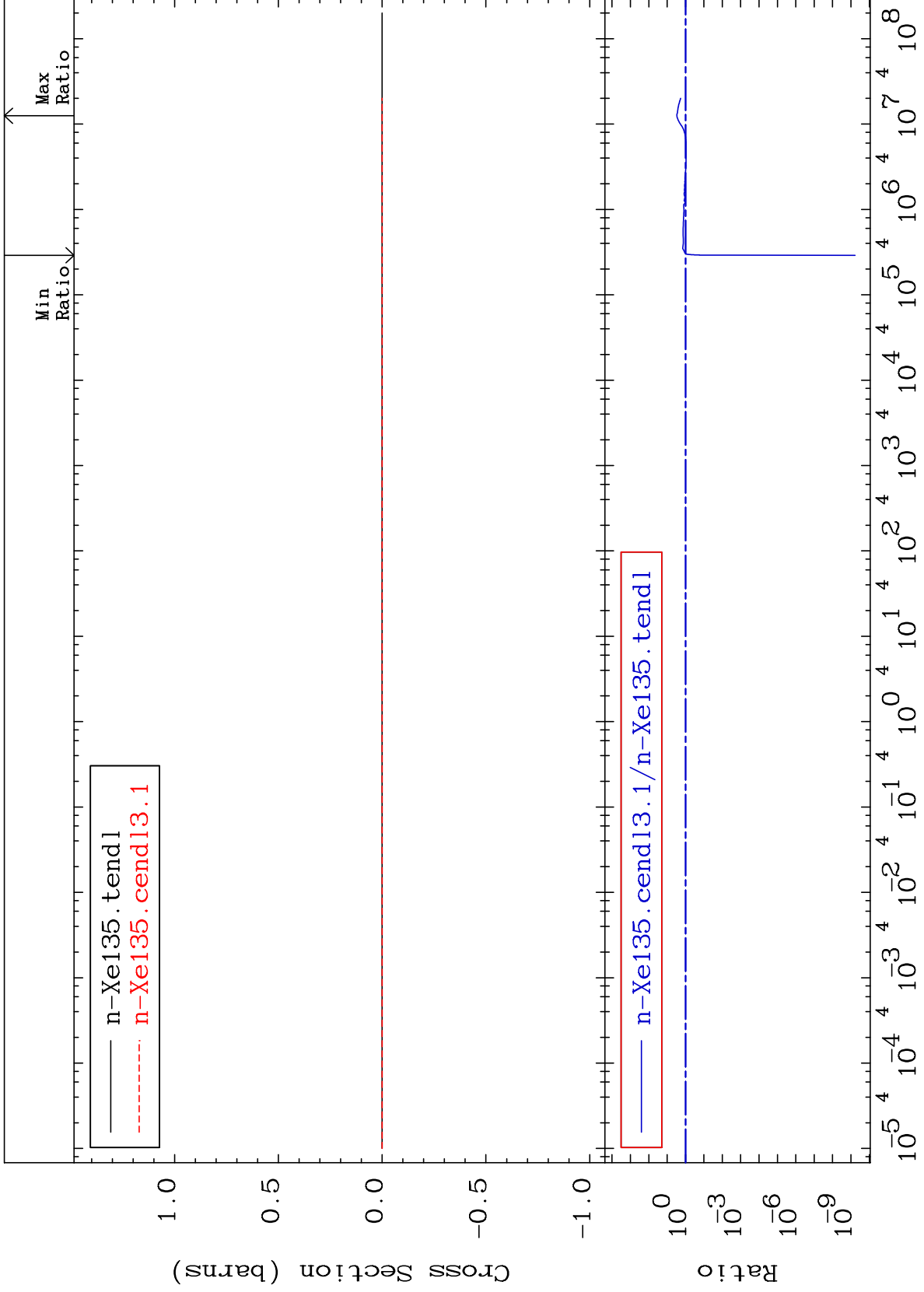
54-Xe-135
-100.0 To 194.4 %



MAT 5458

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

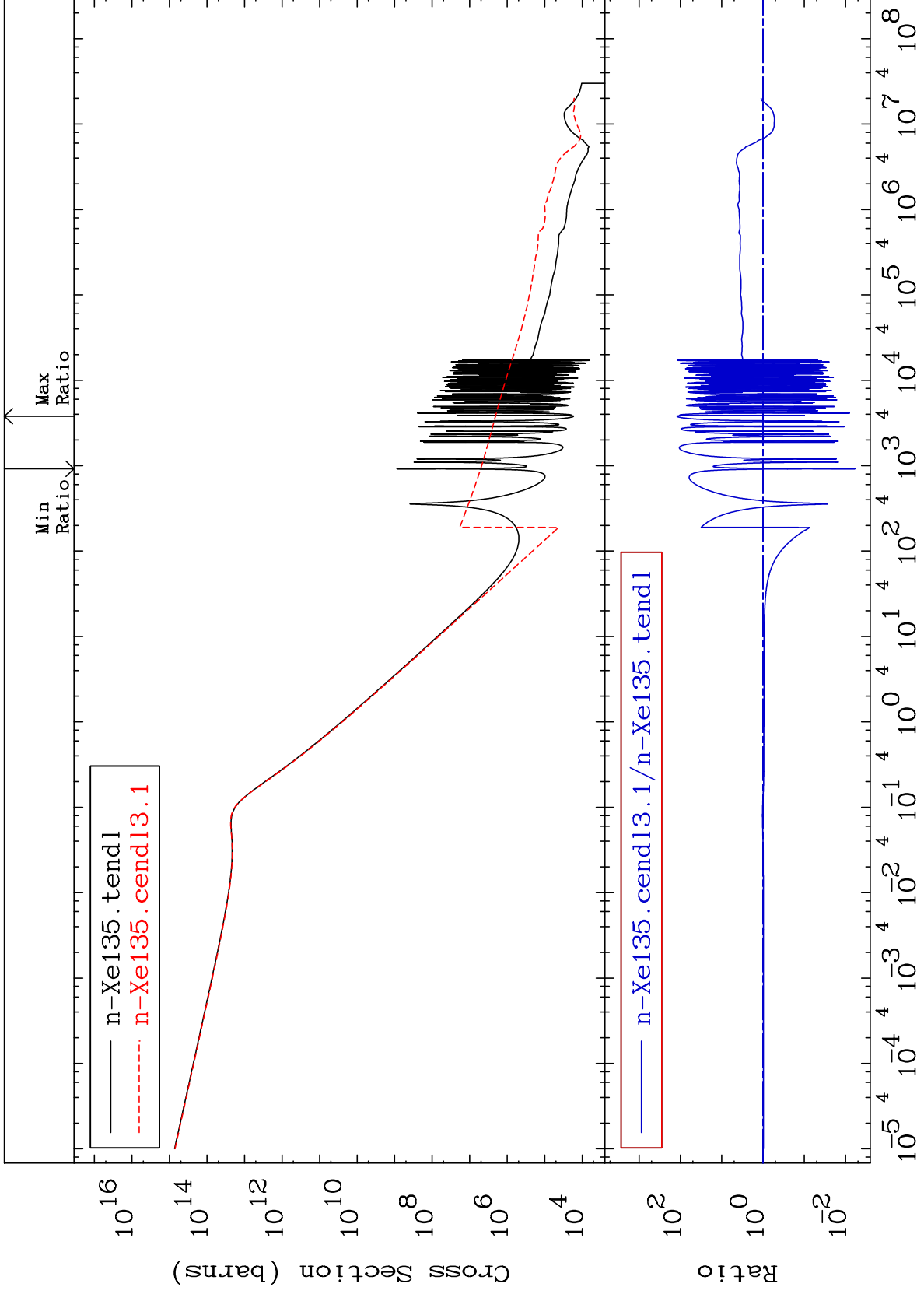
54-Xe-135
-100.0 To 194.4 %



MAT 5458

Kerma capture (mt102)
Cross Section

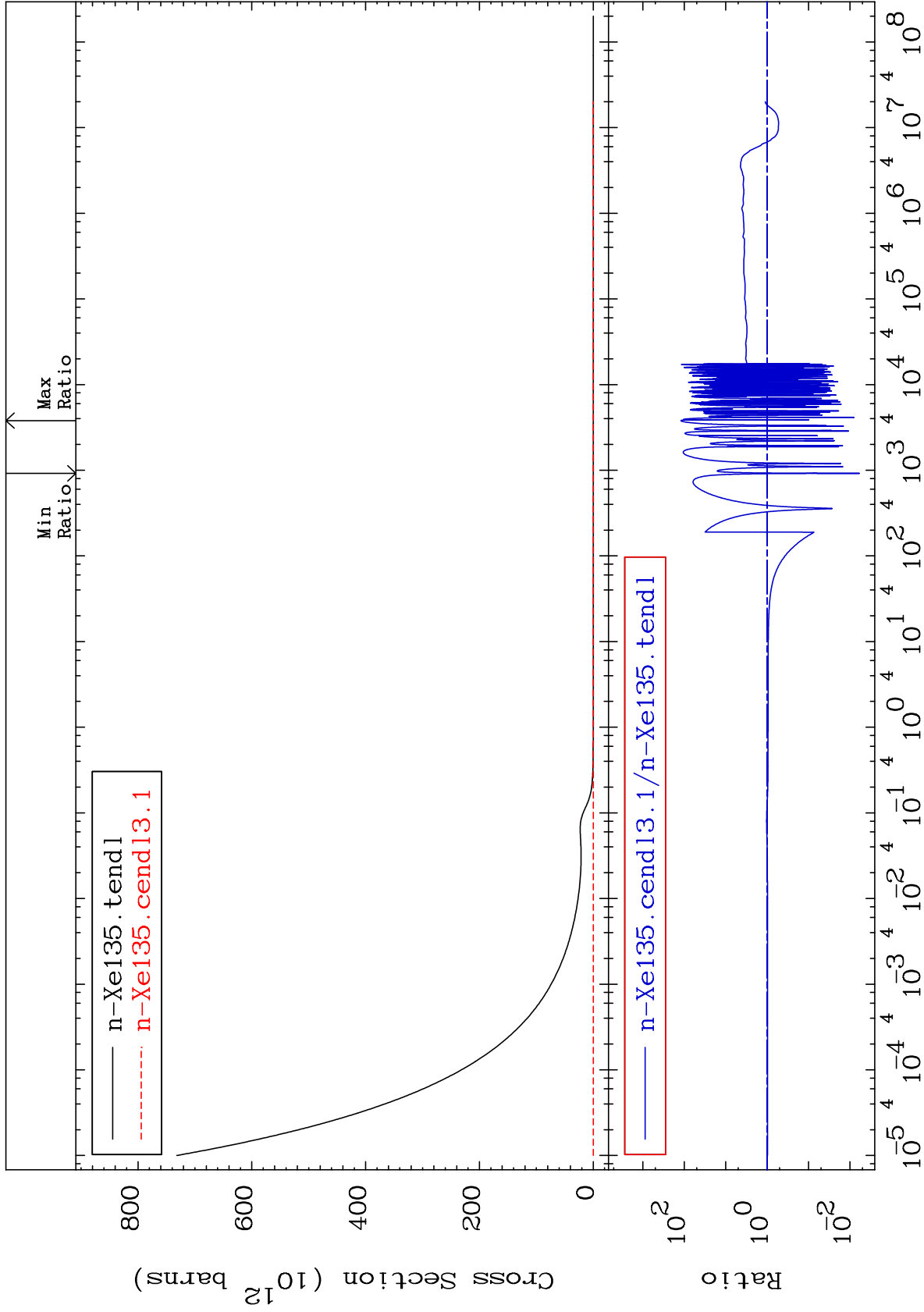
54-Xe-135
-99.41 To 9999. %



38

Incident Energy (eV)

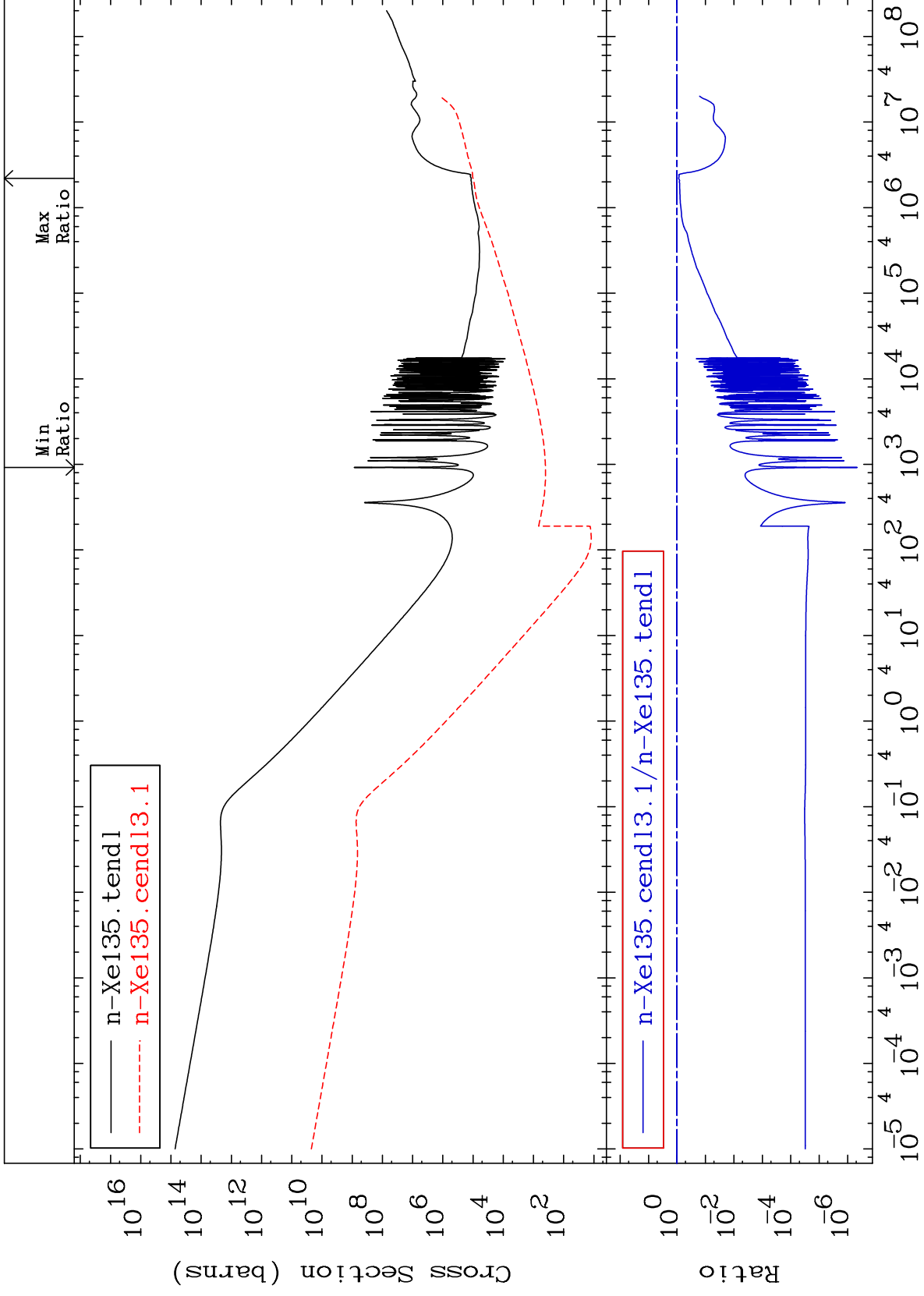
54-Xe-135



MAT 5458

Total kinematic kerma (high limit)
Cross Section

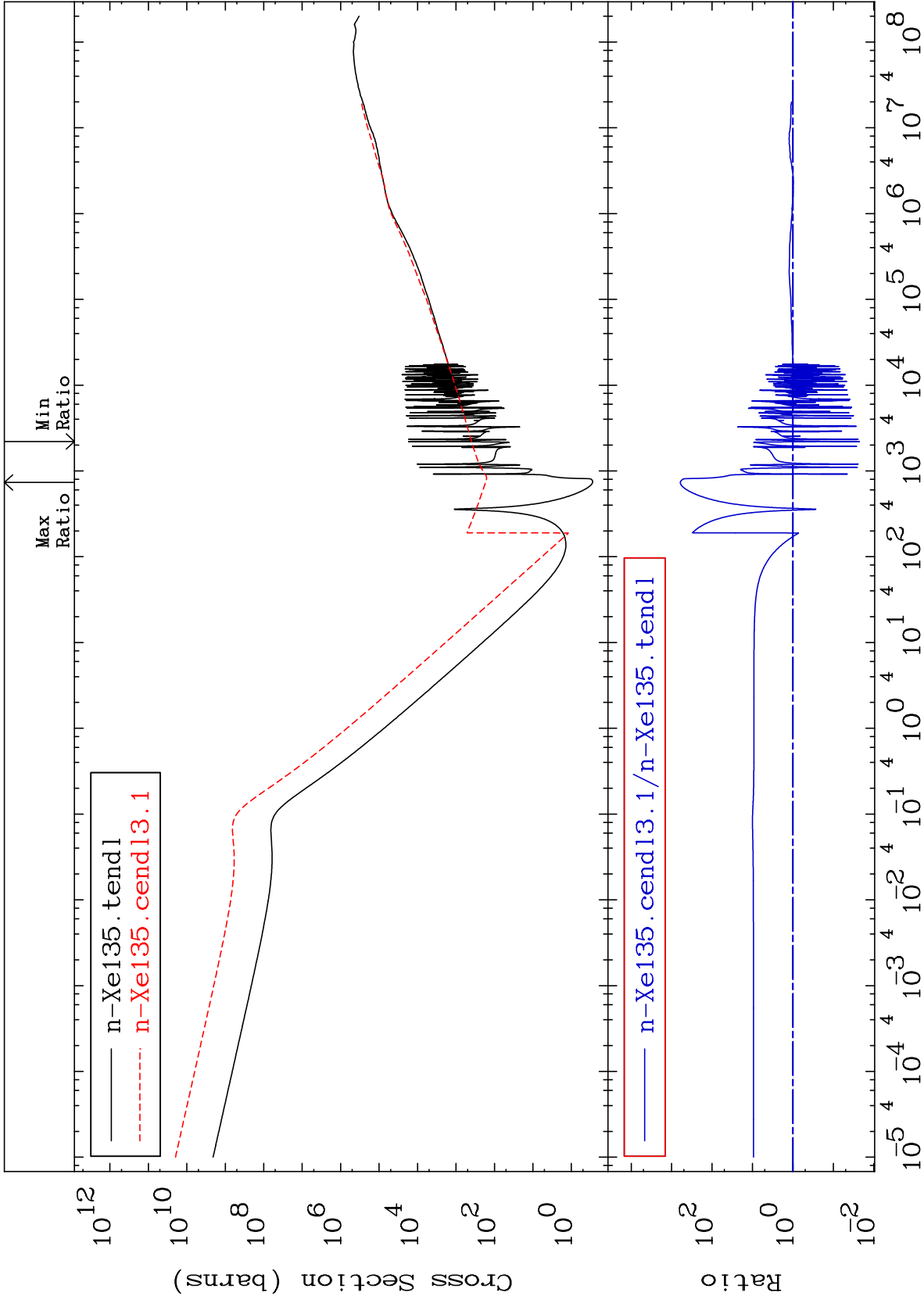
54-Xe-135
-100.0 To -12.46%



40

Incident Energy (eV)

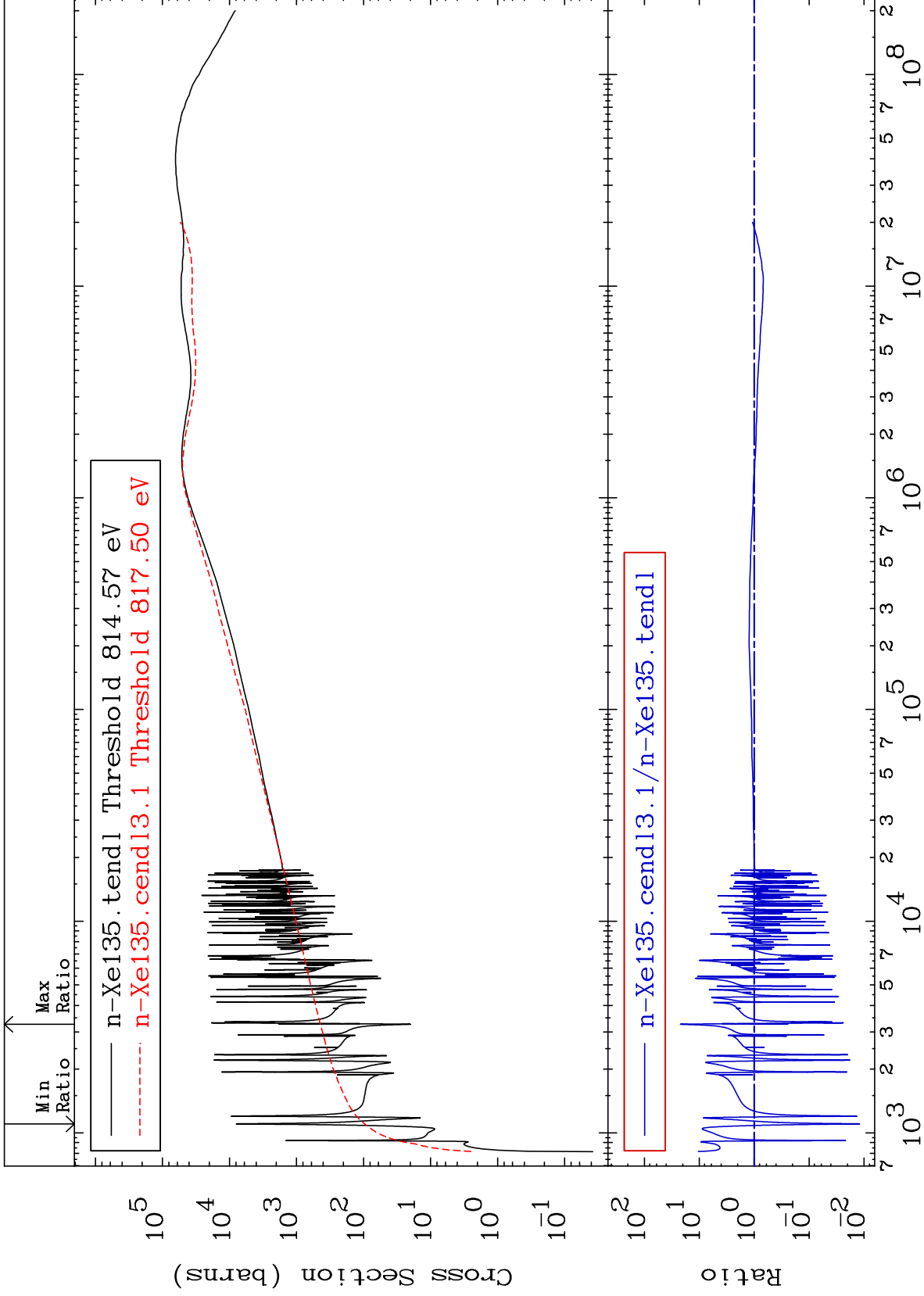
54-Xe-135

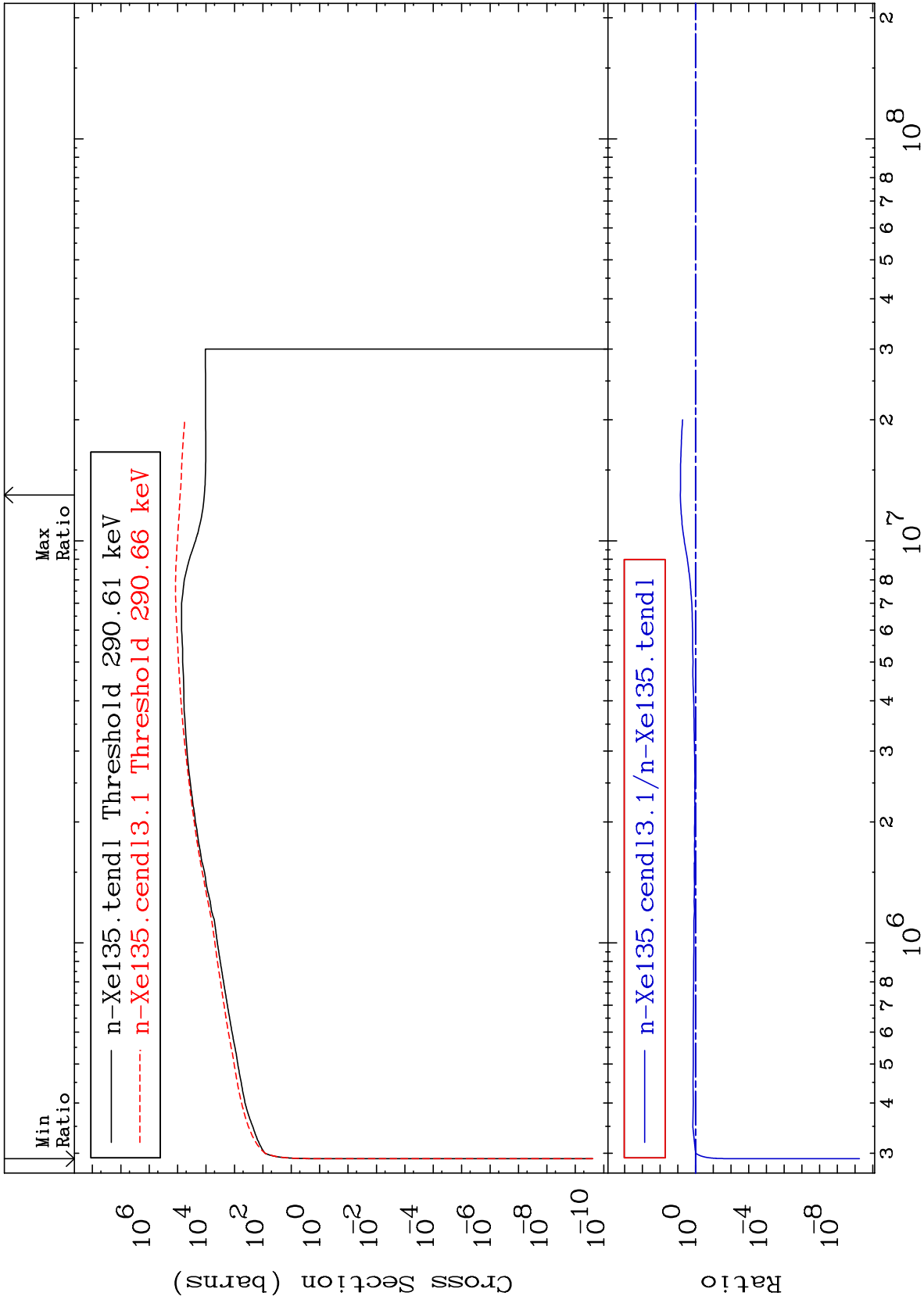


MAT 5458

Dpa elastic (mt2)
Cross Section

54-Xe-135
-98.79 To 2111. %





MAT 5458

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-135
-94.11 To 9999. %

