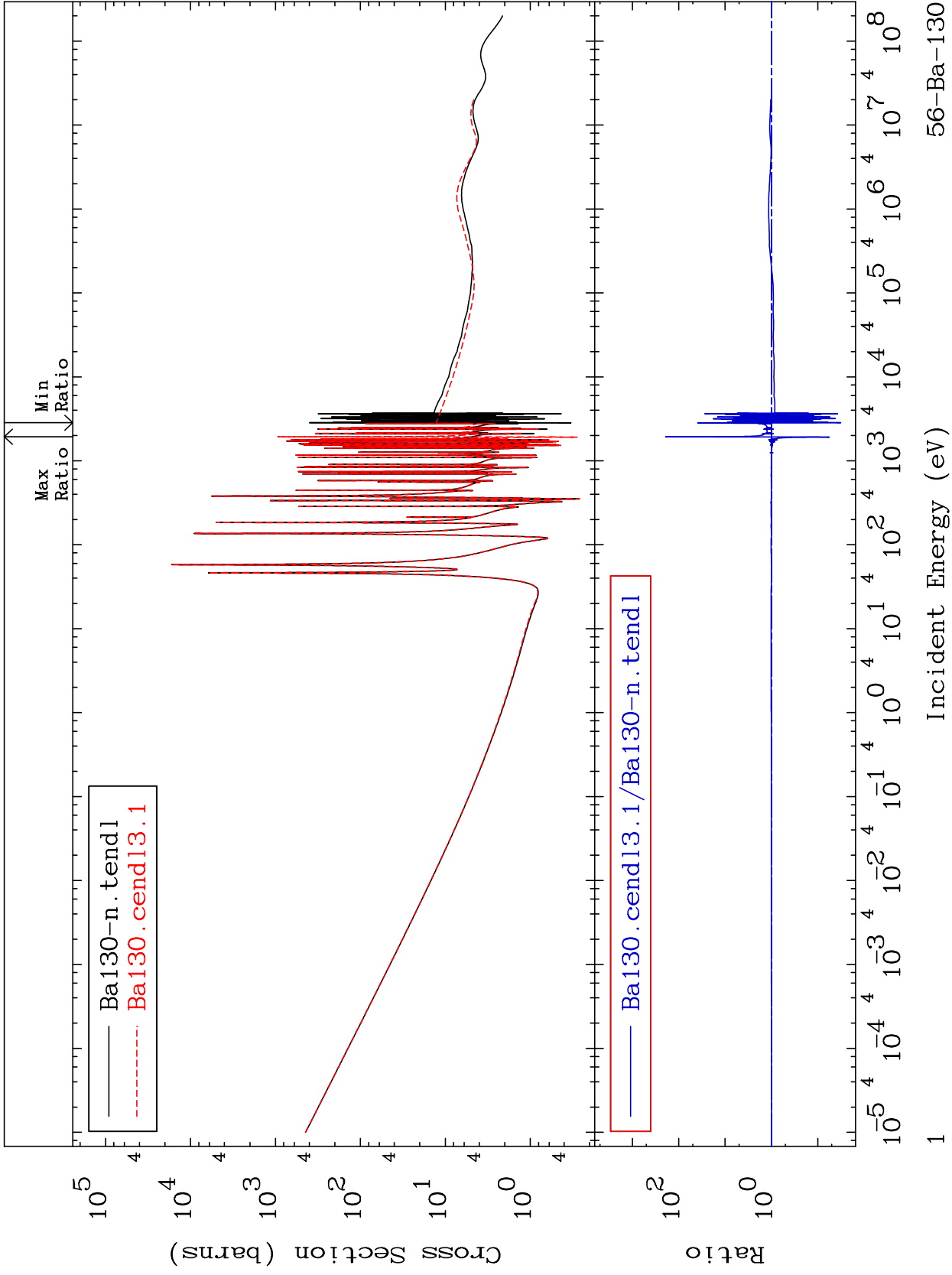


MAT 5625

Total Cross Section
56-Ba-130
-96.80 To 9999. %



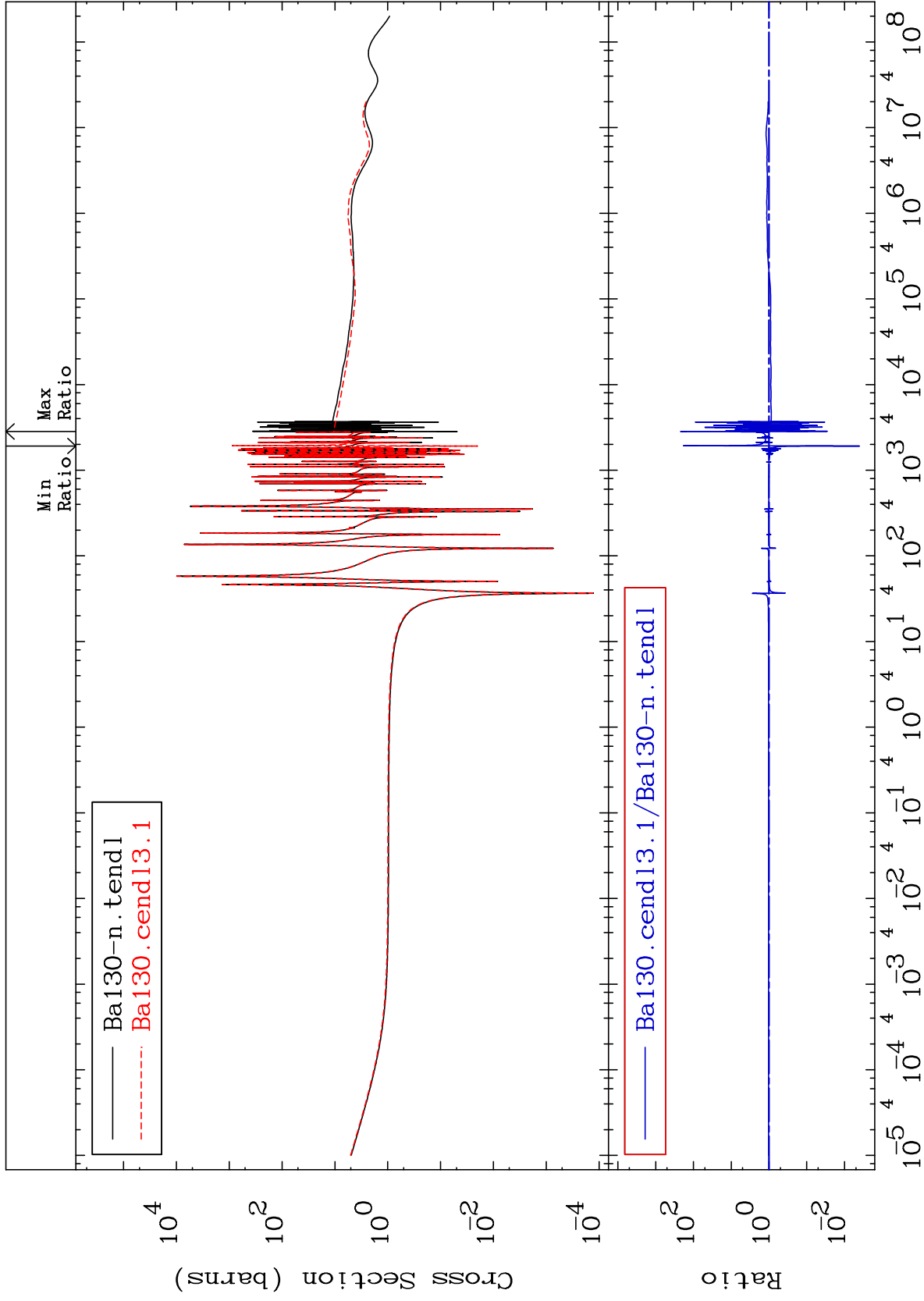
56-Ba-130

Incident Energy (eV)

MAT 5625

Elastic
Cross Section

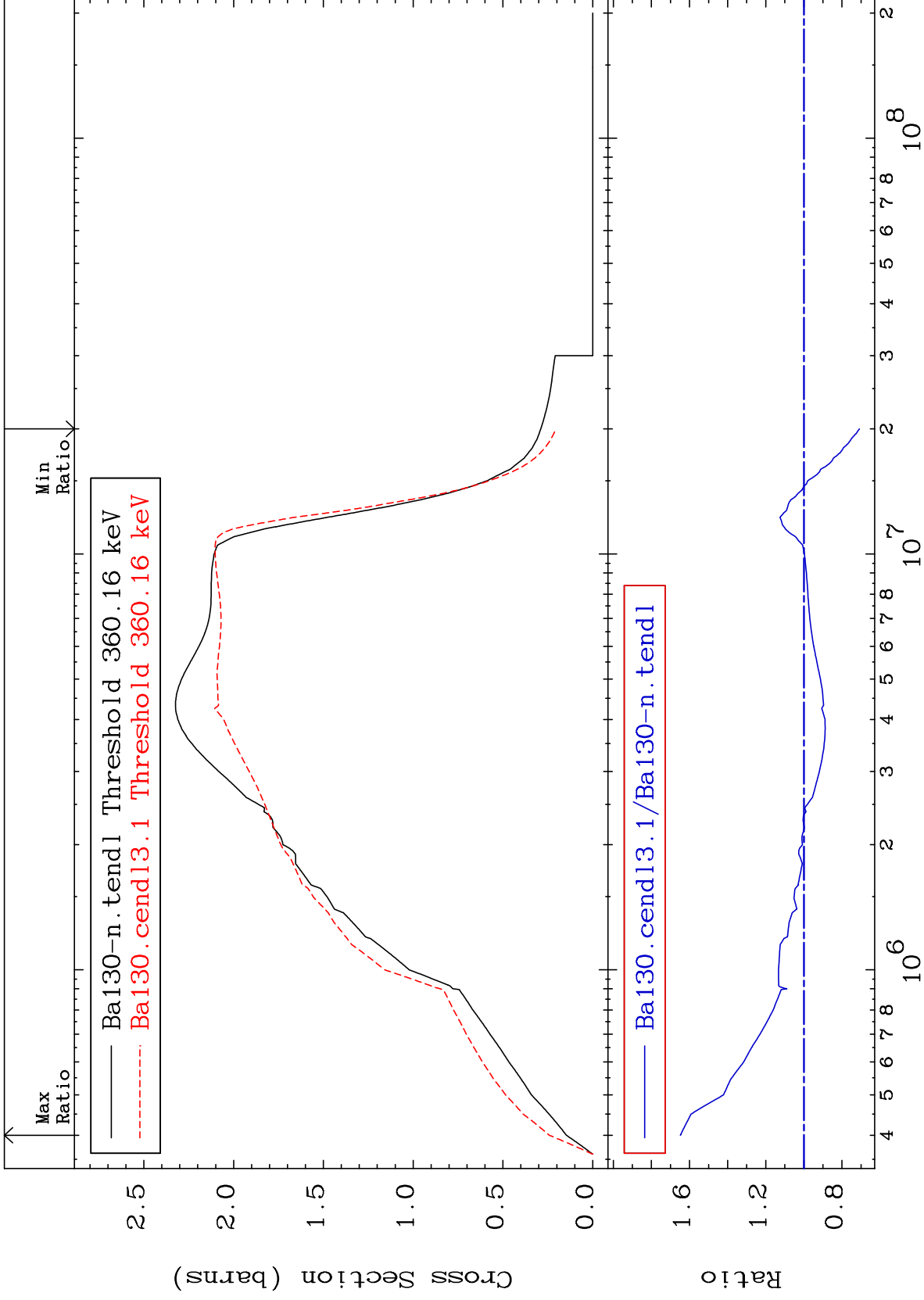
56-Ba-130
-99.60 To 9999. %



MAT 5625

Inelastic
Cross Section

56-Ba-130
-29.15 To 64.81 %



3

Incident Energy (eV)

56-Ba-130

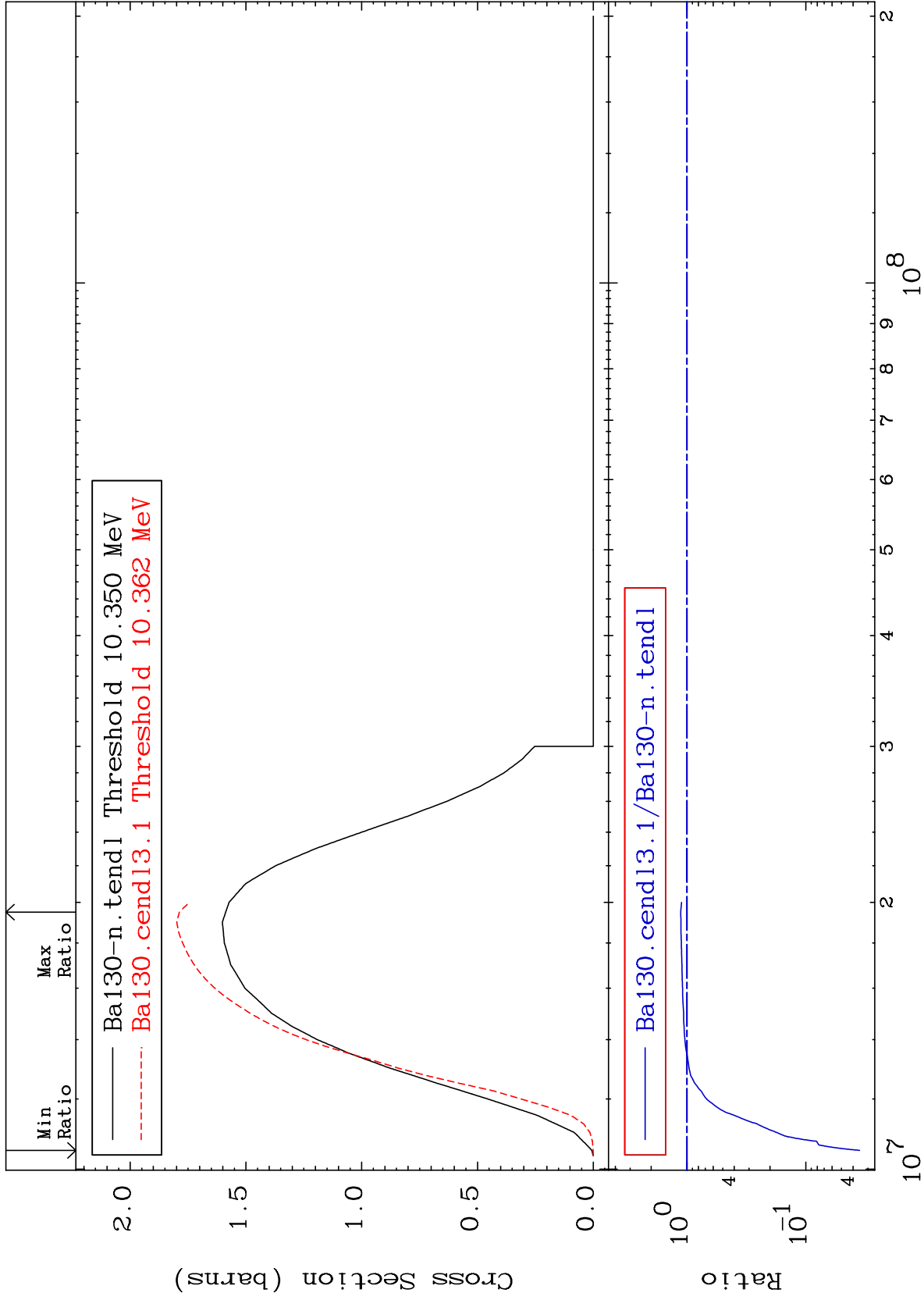
MAT 5625

(n,2n)

56-Ba-130

Cross Section

-96.47 To 12.61 %



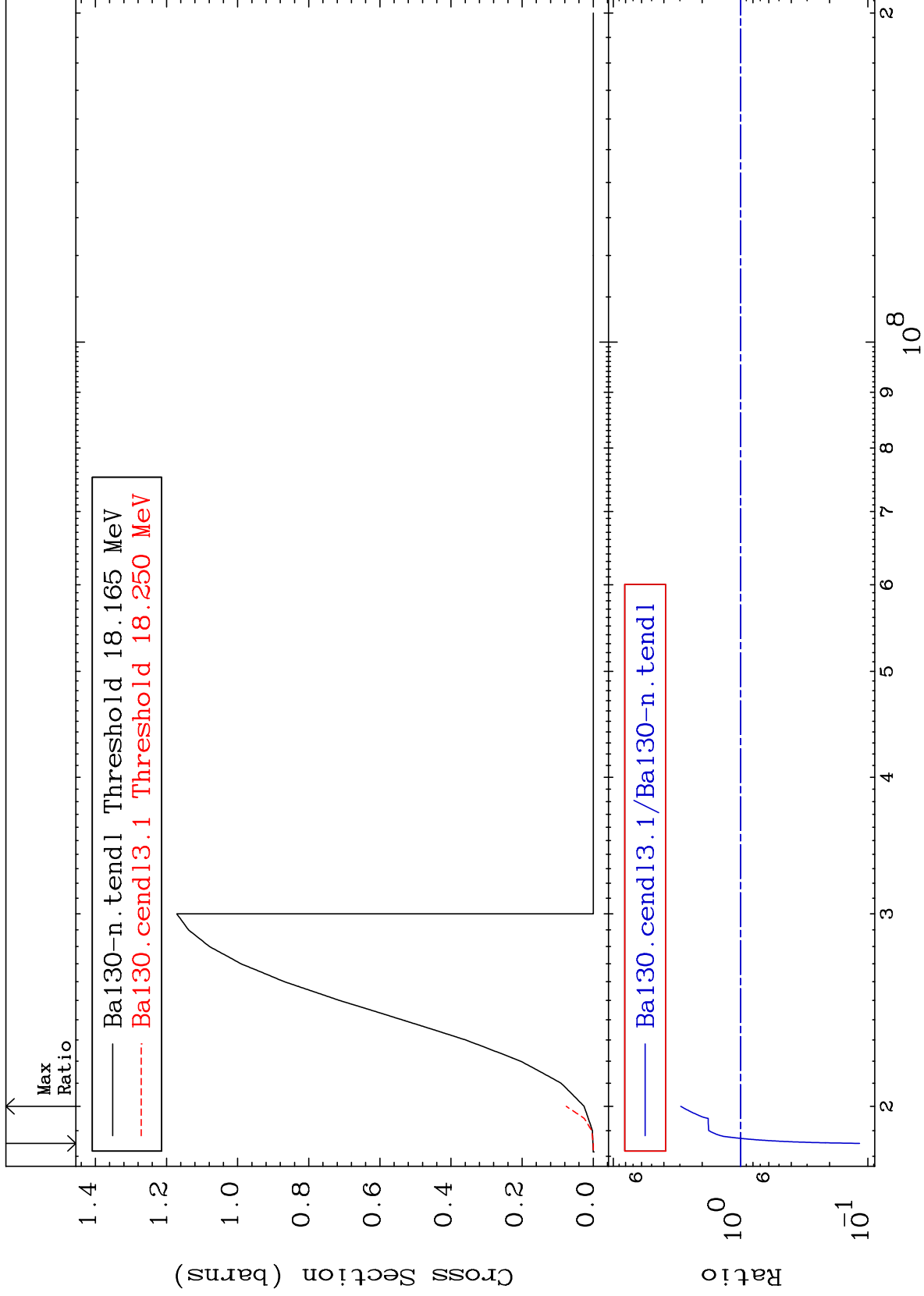
Incident Energy (eV)

56-Ba-130

MAT 5625

(n,3n)
Cross Section

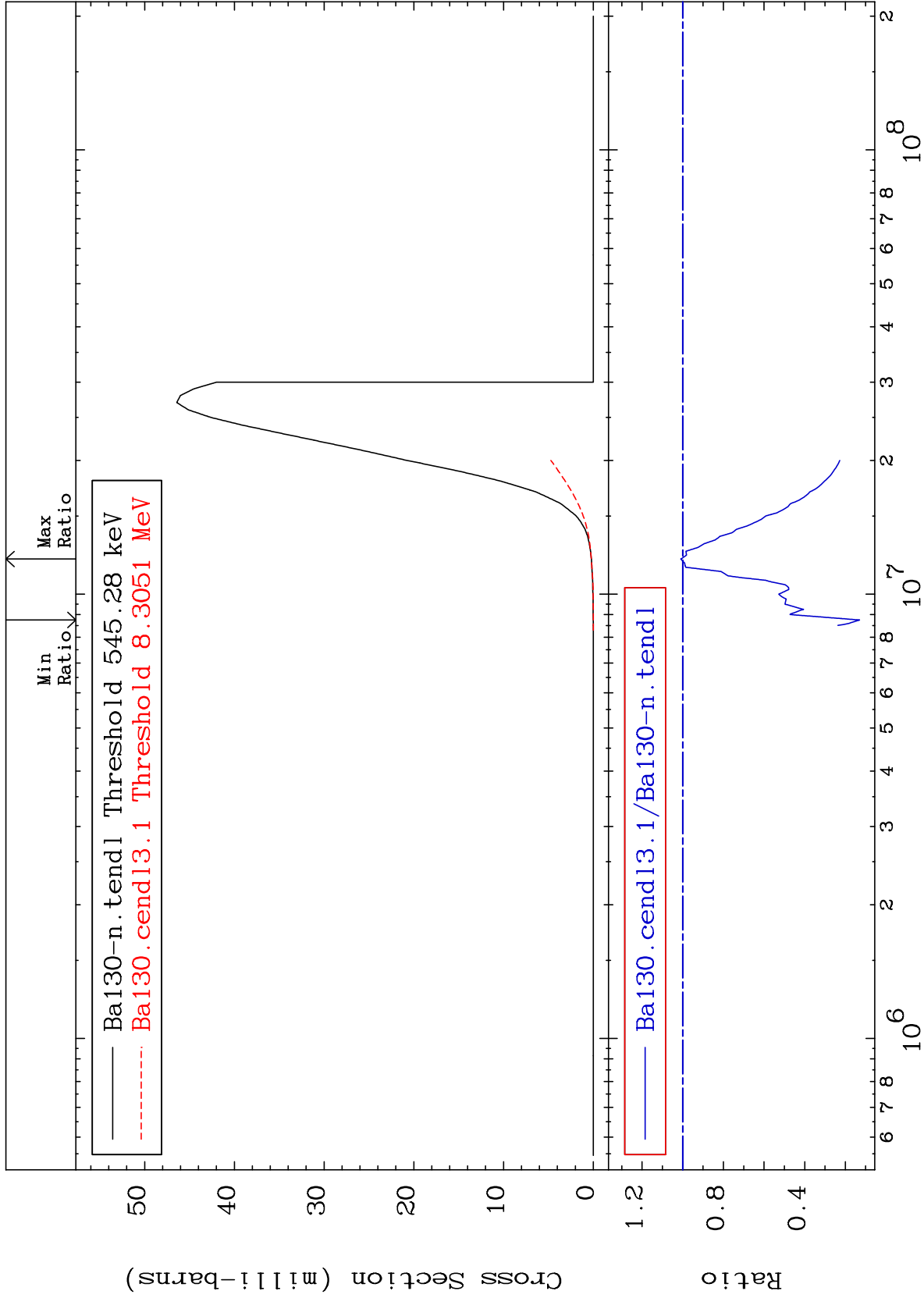
56-Ba-130
-88.37 To 194.9 %



MAT 5625

56-Ba-130

(n, n') α
Cross Section
-86.98 To 0.960 %



6

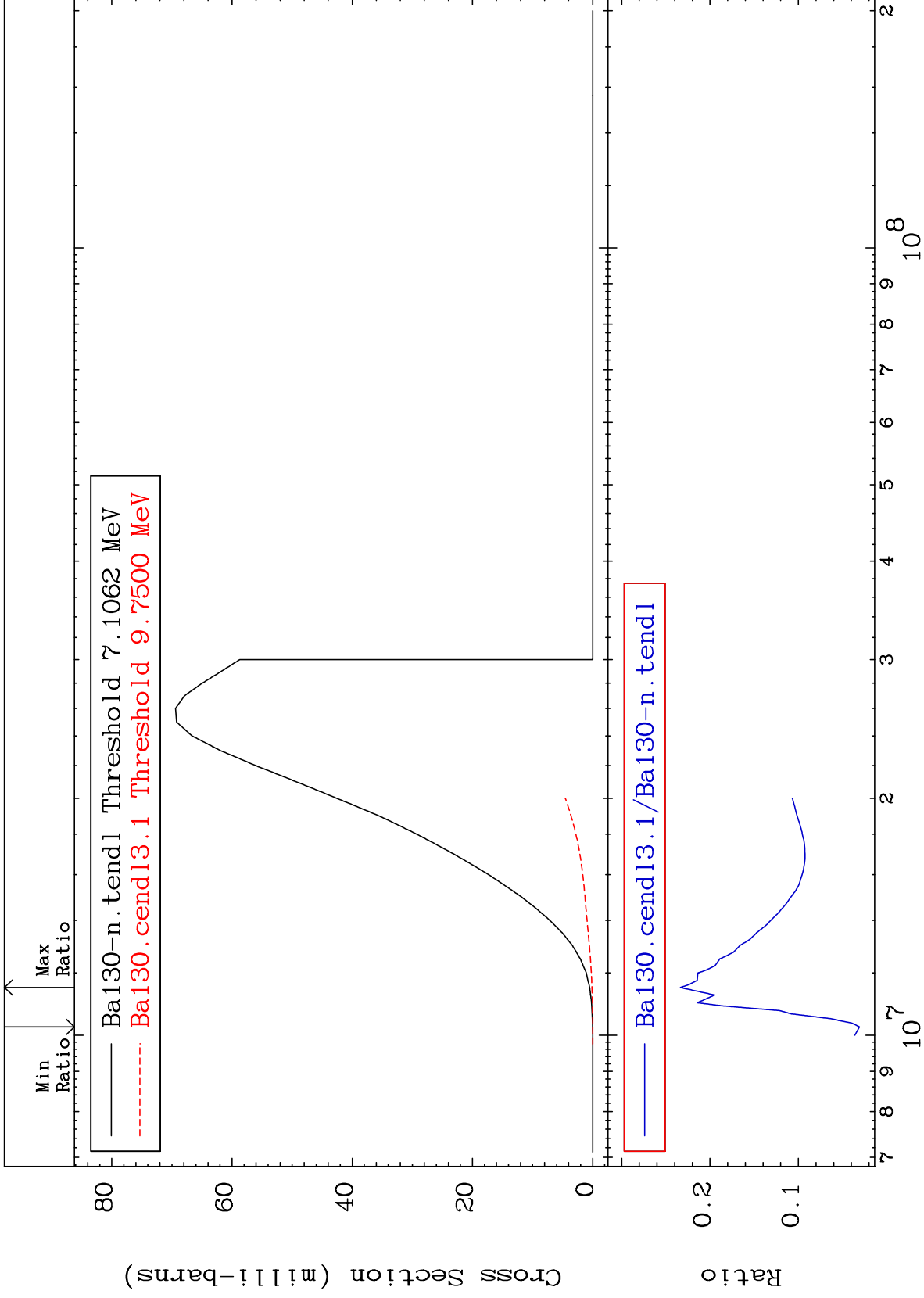
Incident Energy (eV)

56-Ba-130

MAT 5625

(n, n') p
Cross Section

56-Ba-130
-96.91 To -76.64%



7

Incident Energy (eV)

56-Ba-130

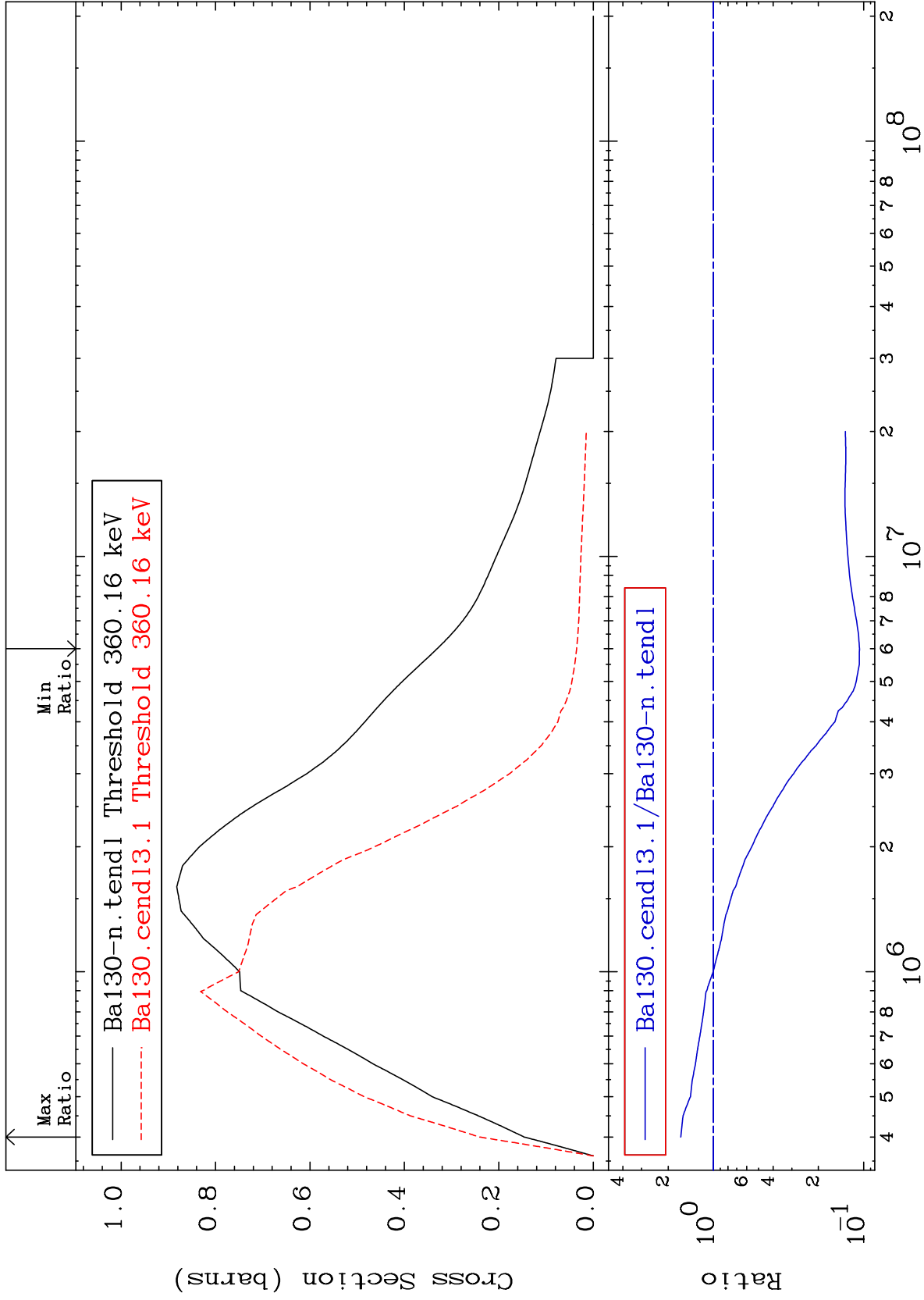
MAT 5625

357.4 keV (n,n') Level

56-Ba-130

-89.36 To 64.81 %

Cross Section



8

Incident Energy (eV)

56-Ba-130

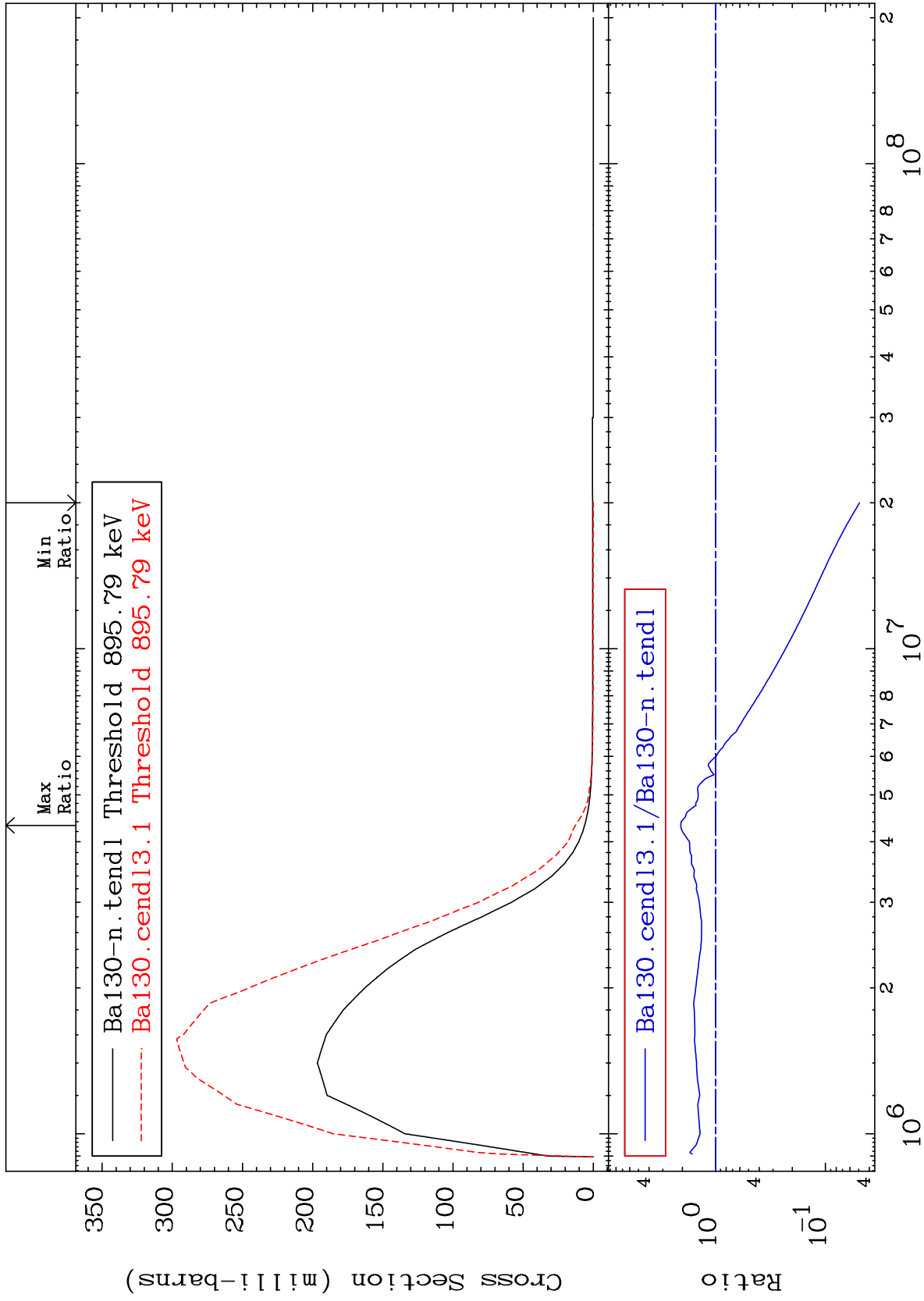
MAT 5625

888.9 keV (n,n') Level

56-Ba-130

-95.09 To 106.4 %

Cross Section



9

Incident Energy (eV)

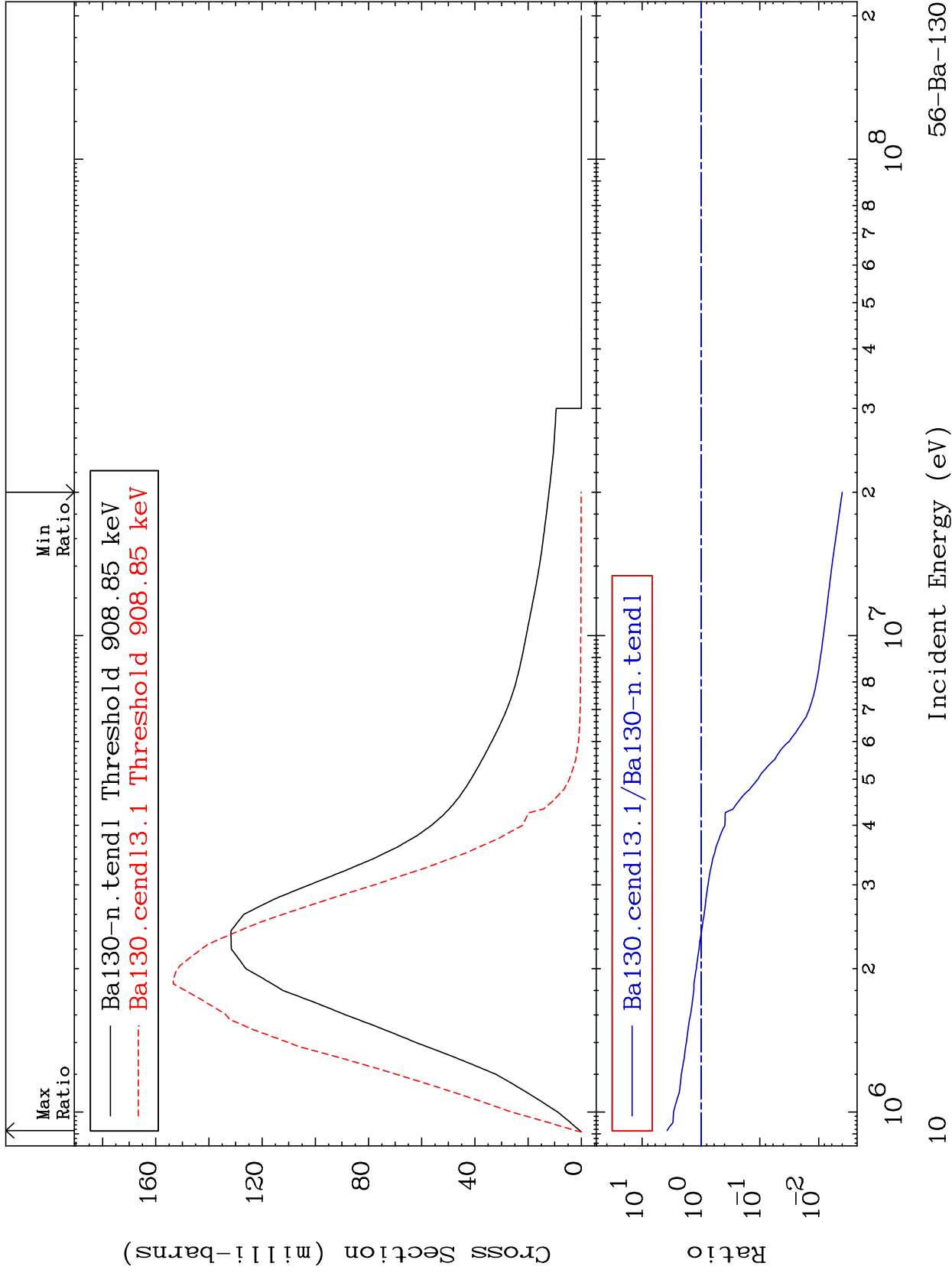
56-Ba-130

MAT 5625

901.9 keV (n,n') Level

56-Ba-130

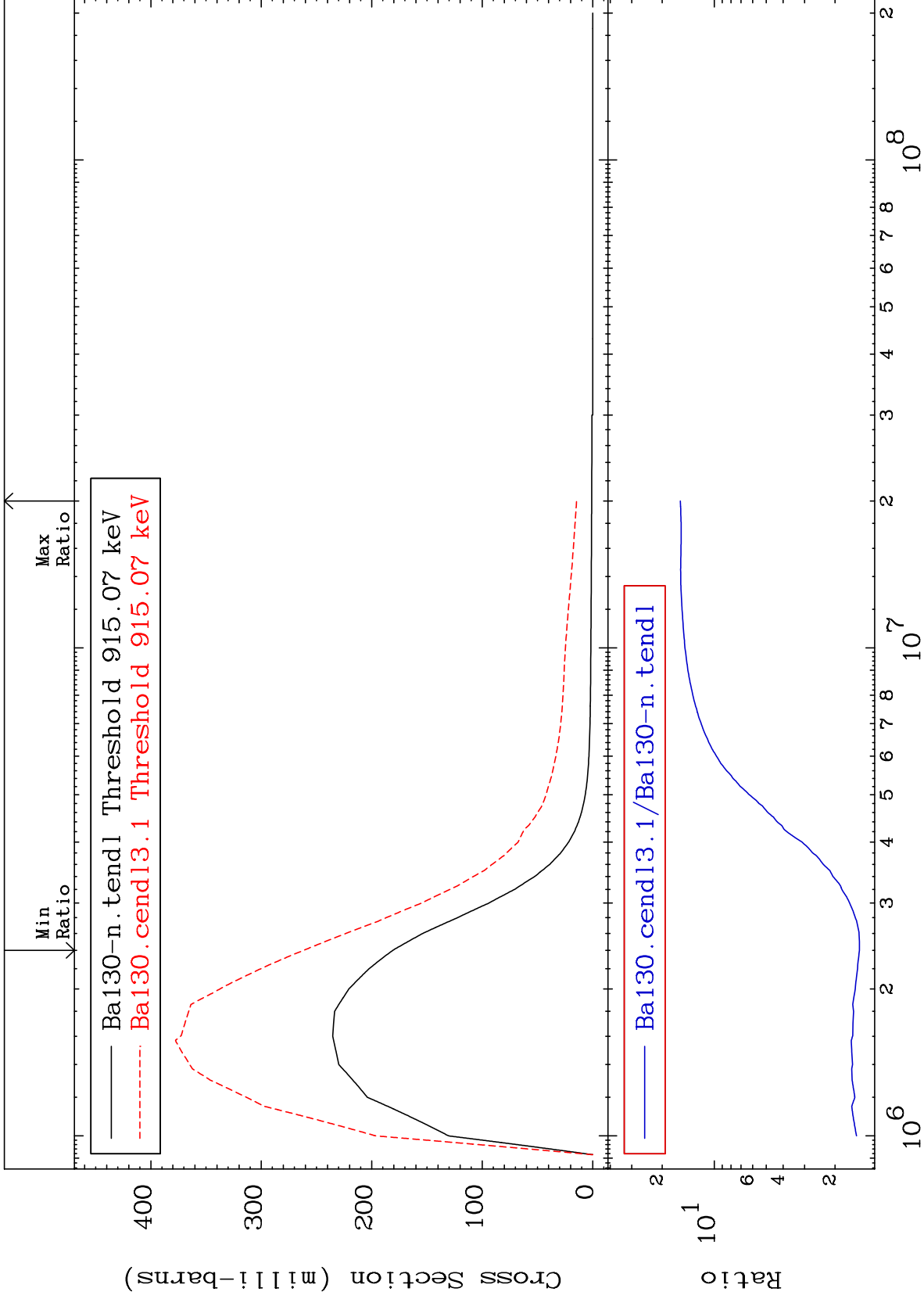
-99.60 To 278.0 %



MAT 5625

908.0 keV (n,n') Level
Cross Section

56-Ba-130
44.63 To 1472. %

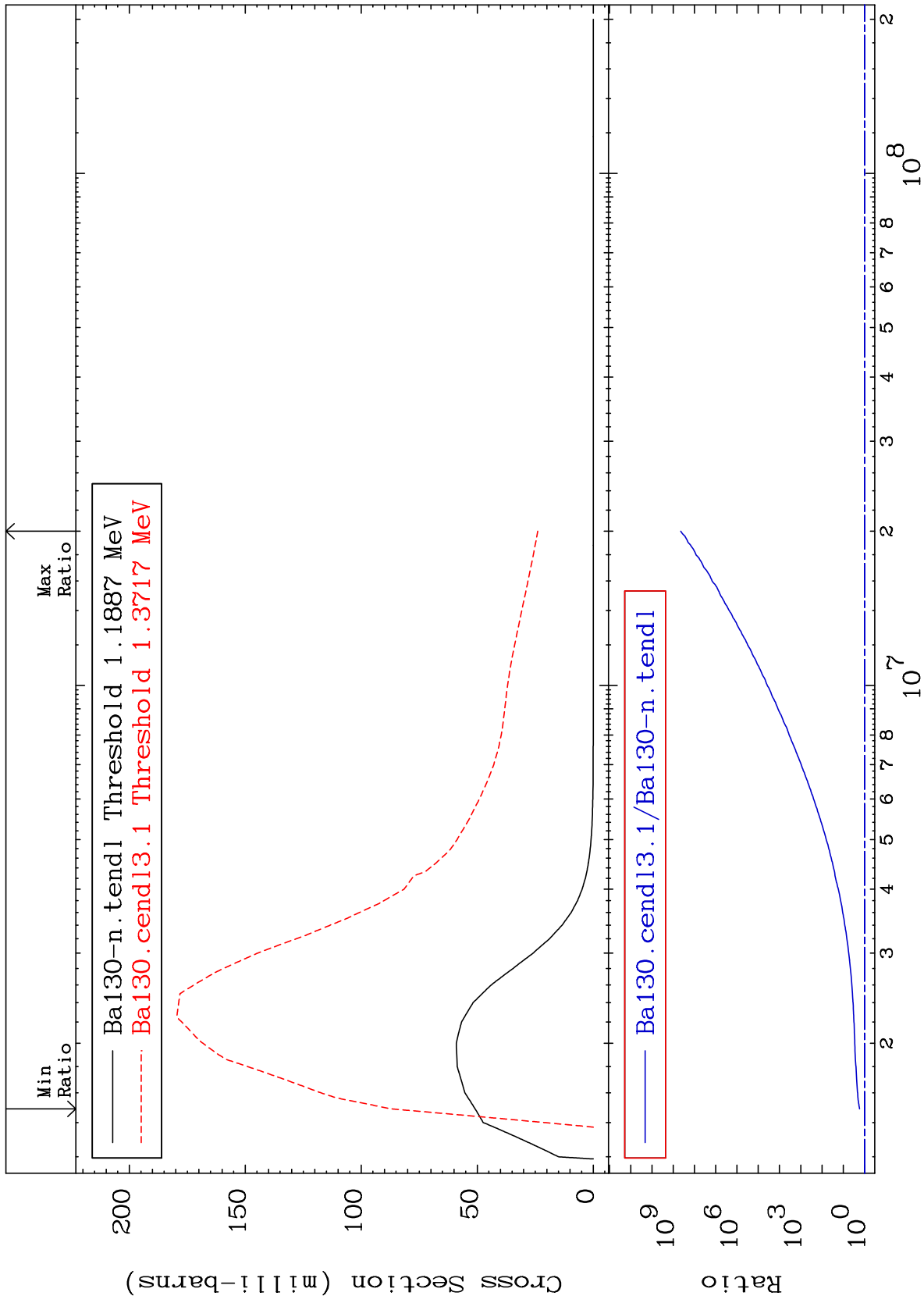


11

Incident Energy (eV)

56-Ba-130

MAT 5625 1.180 MeV (n,n') Level Cross Section 56-Ba-130
 71.14 To 9999. %

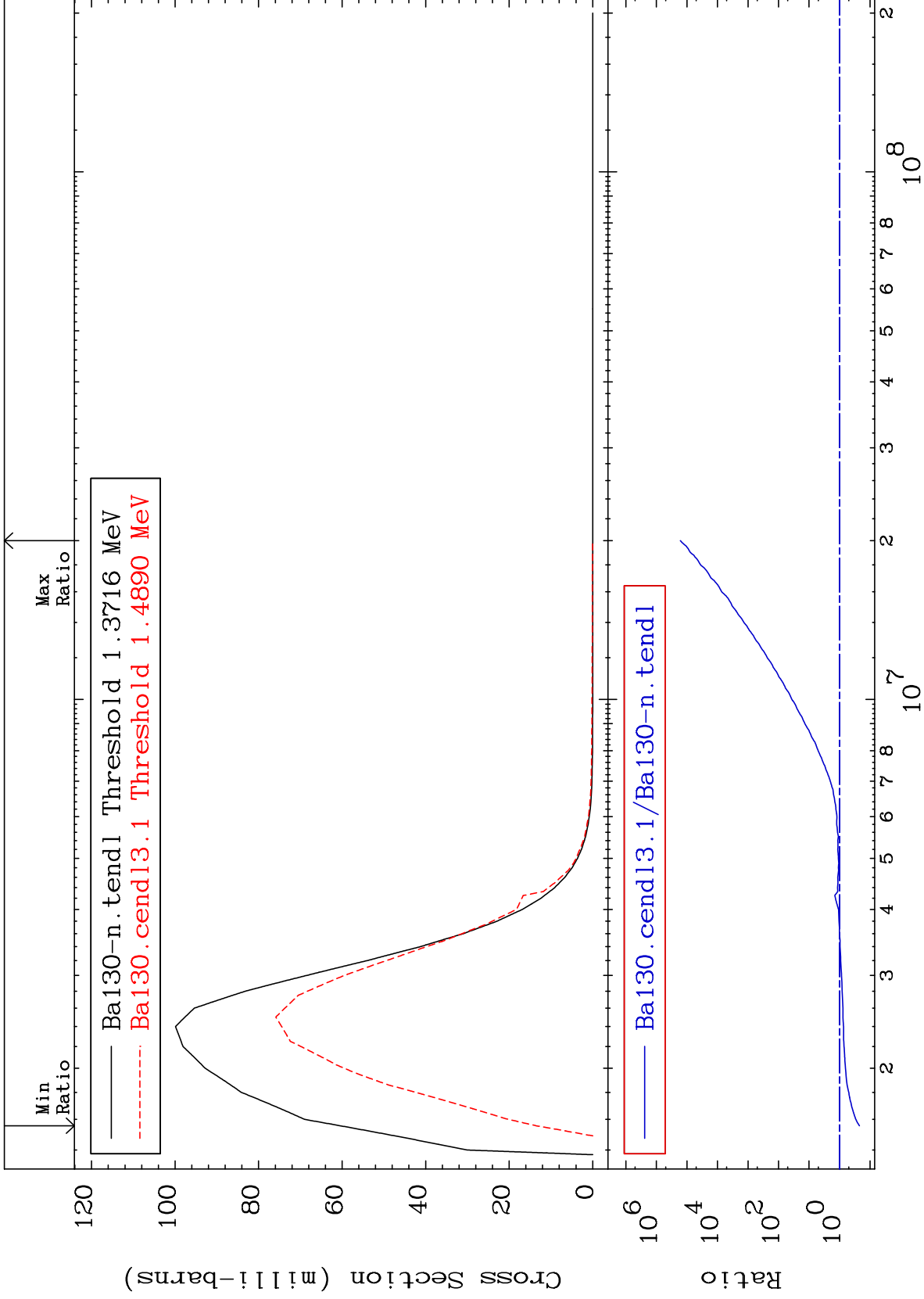


12 Incident Energy (eV) 56-Ba-130

MAT 5625

1.361 MeV (n,n') Level
Cross Section

56-Ba-130
-77.60 To 9999. %



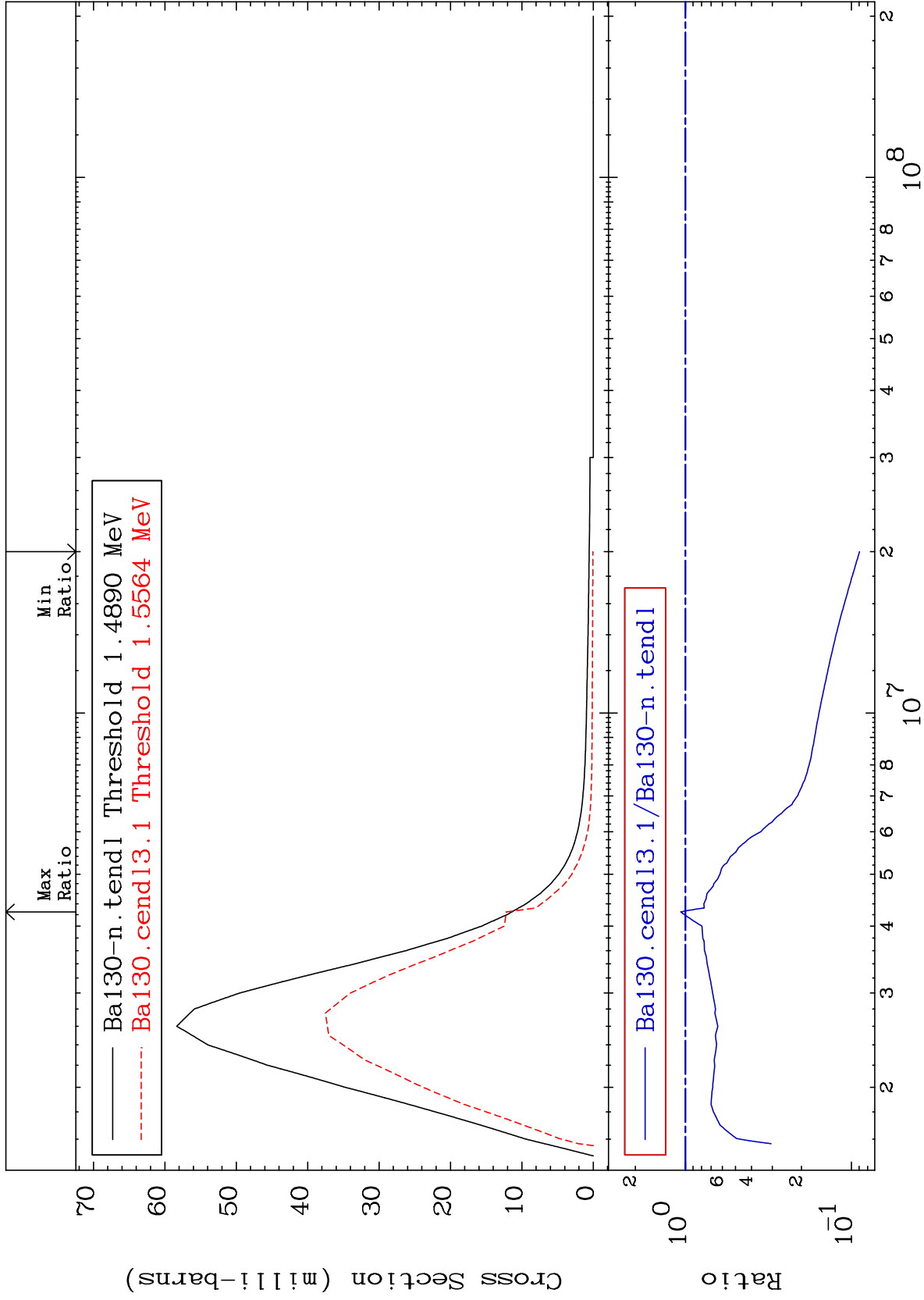
MAT 5625

1.478 MeV (n,n') Level

56-Ba-130

-91.05 To 6.651 %

Cross Section



14

Incident Energy (eV)

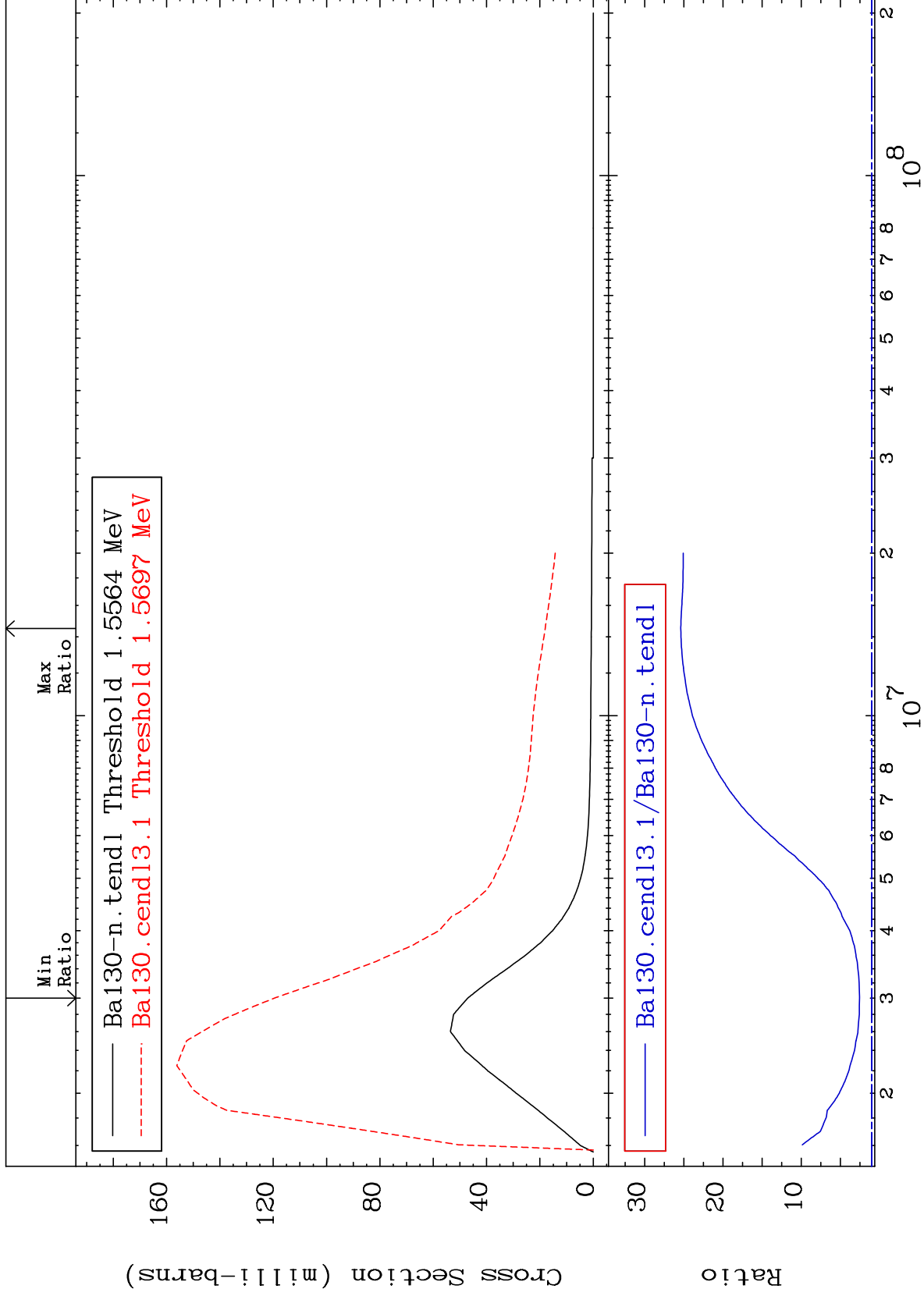
56-Ba-130

MAT 5625

1.544 MeV (n,n') Level

56-Ba-130

154.0 To 2438. %
Cross Section



15

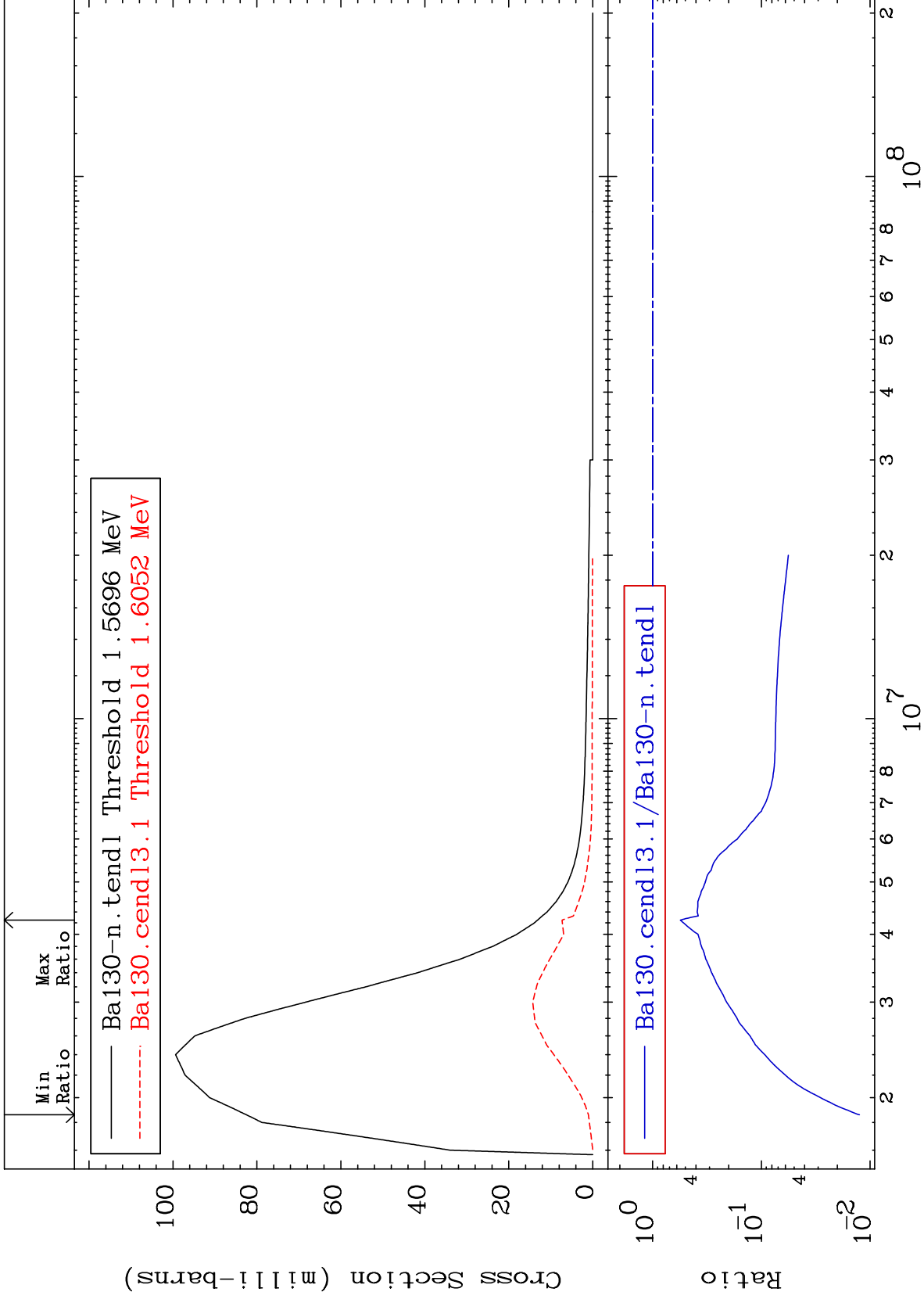
Incident Energy (eV)

56-Ba-130

MAT 5625

1.558 MeV (n,n') Level
Cross Section

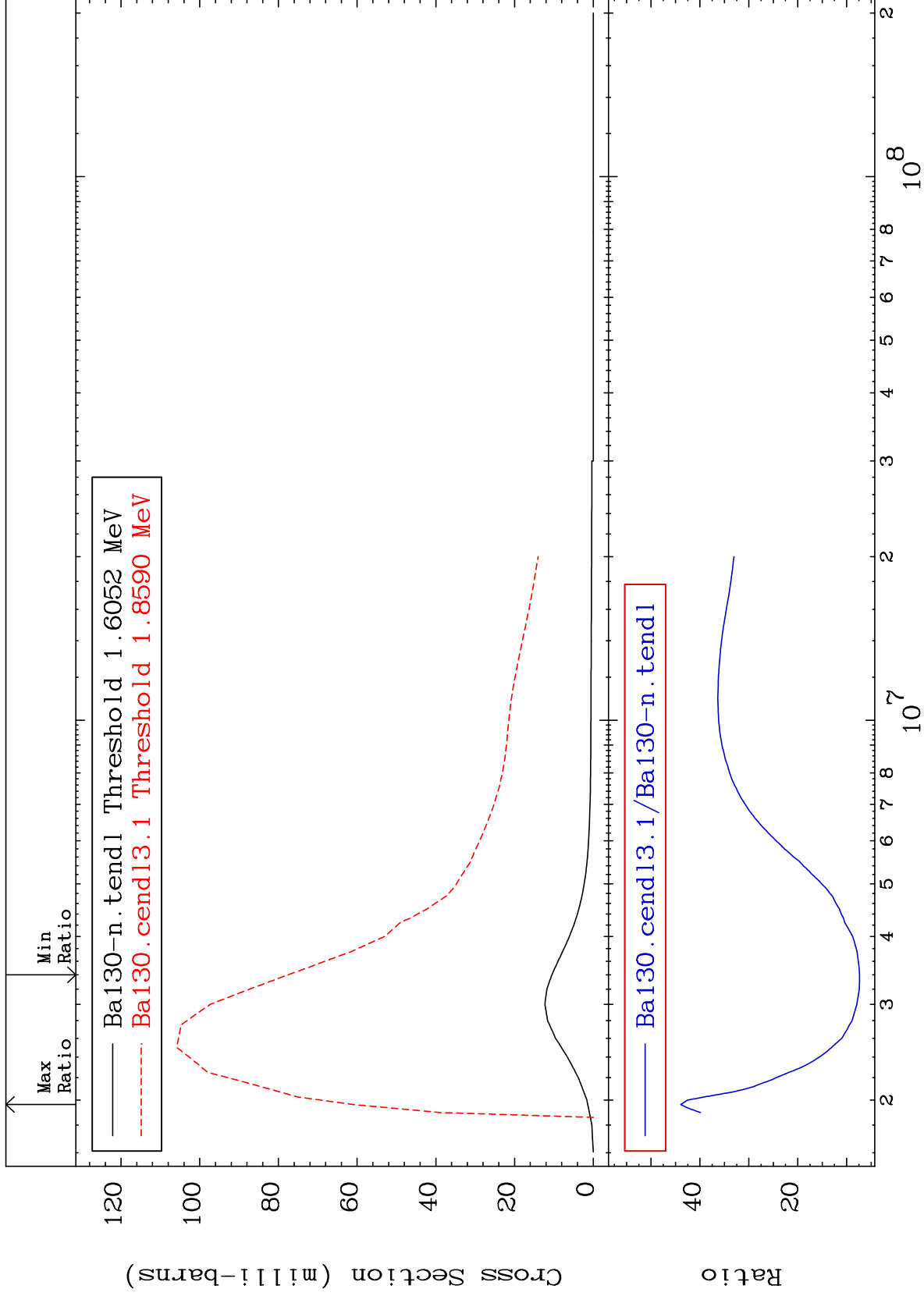
56-Ba-130
-98.75 To -44.44%



MAT 5625

1.593 MeV (n,n') Level
Cross Section

636.8 To 4292. %
56-Ba-130



17

56-Ba-130

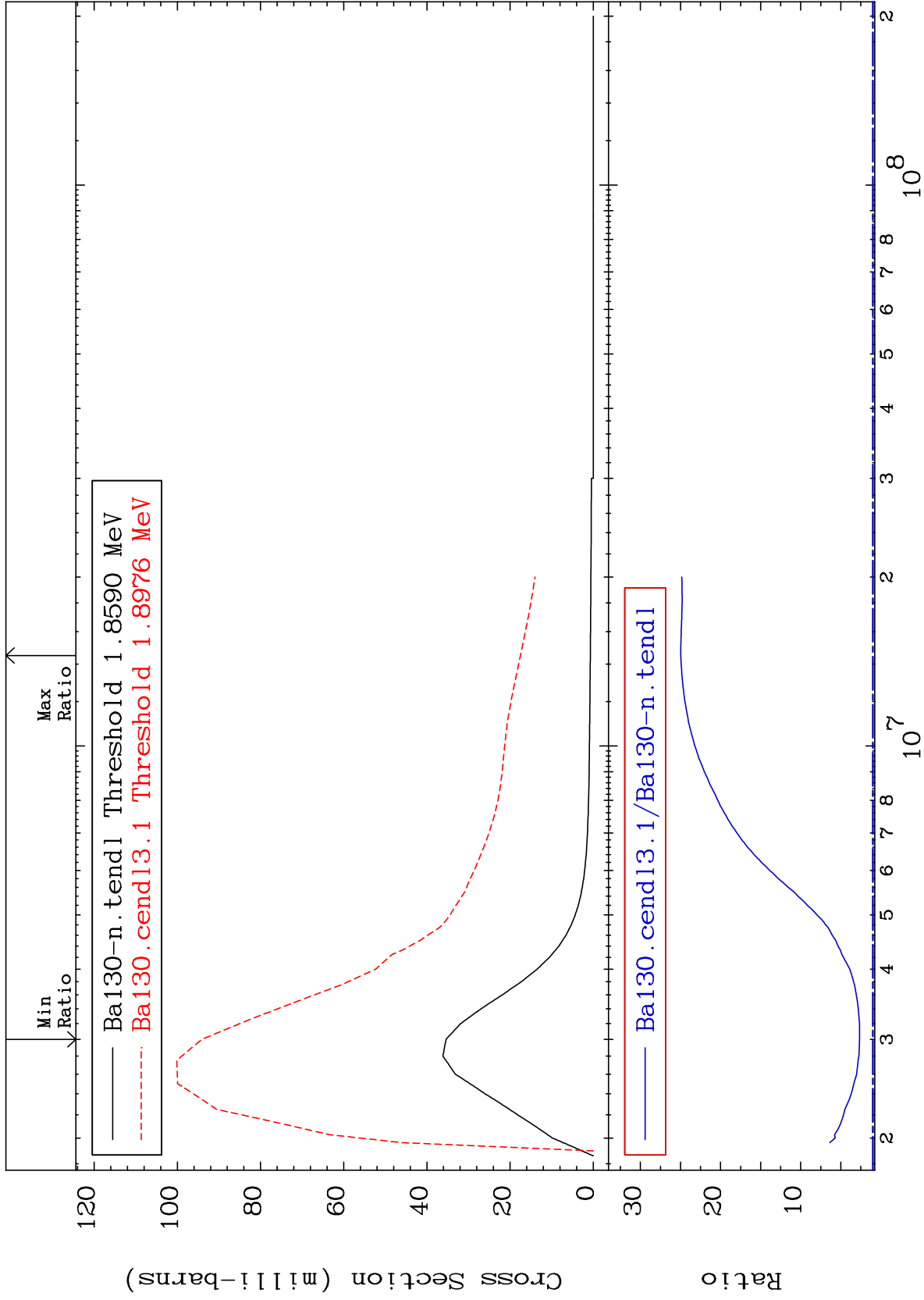
MAT 5625

1.845 MeV (n,n') Level

56-Ba-130

165.9 To 2397. %

Cross Section



18

Incident Energy (eV)

56-Ba-130

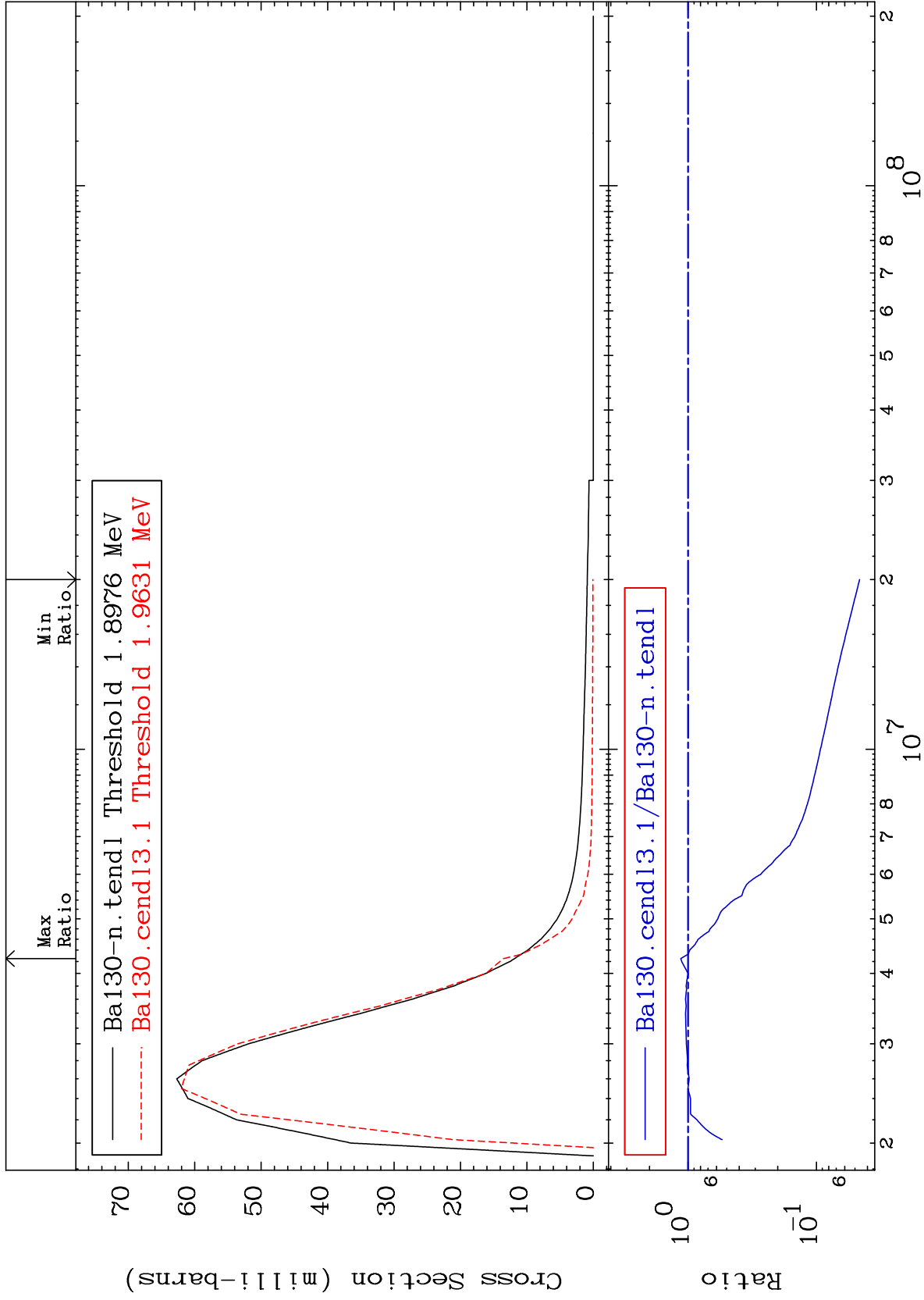
MAT 5625

1.883 MeV (n,n') Level

56-Ba-130

-95.39 To 14.01 %

Cross Section



19

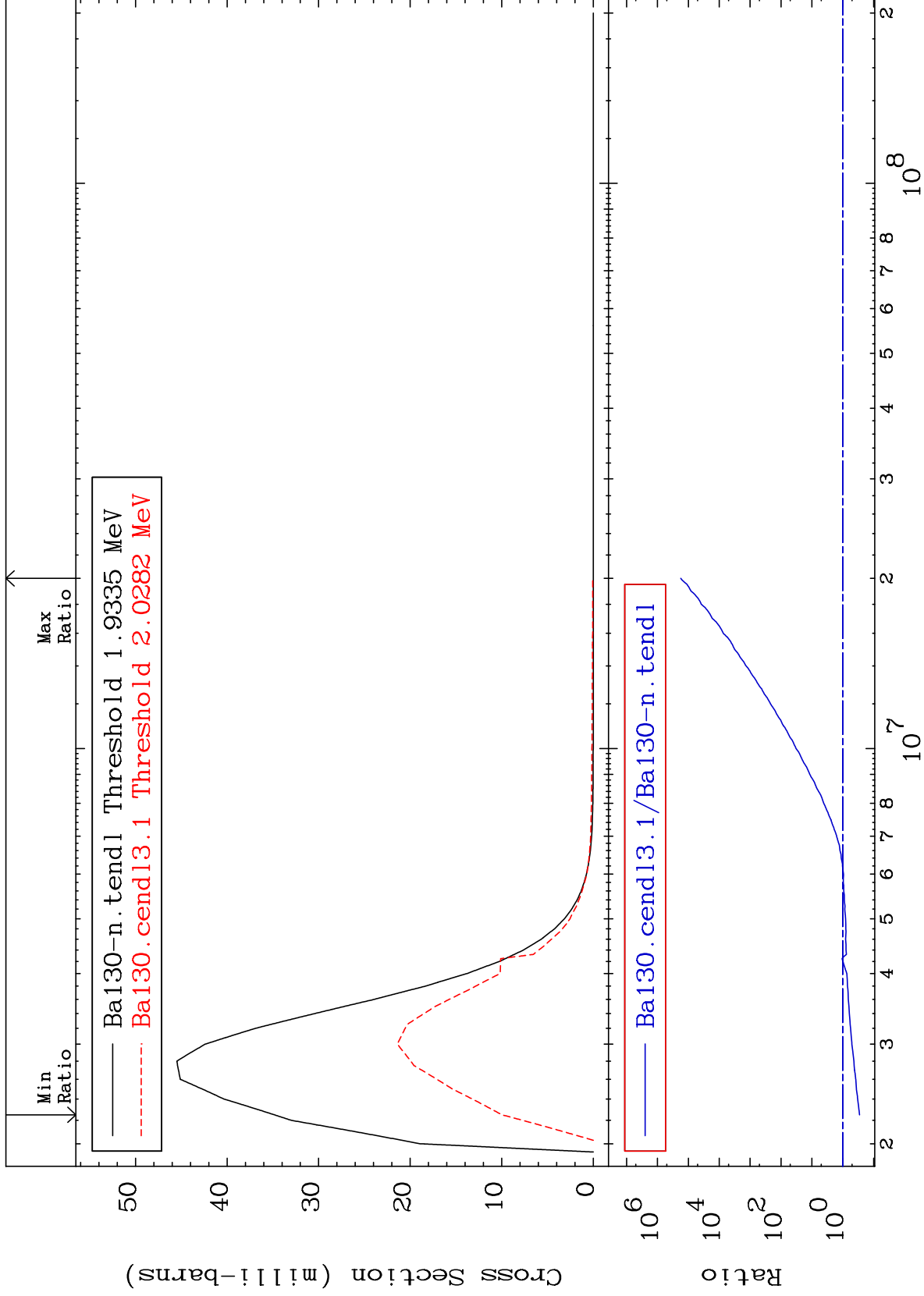
Incident Energy (eV)

56-Ba-130

MAT 5625

1.919 MeV (n,n') Level
Cross Section

56-Ba-130
-71.39 To 9999. %



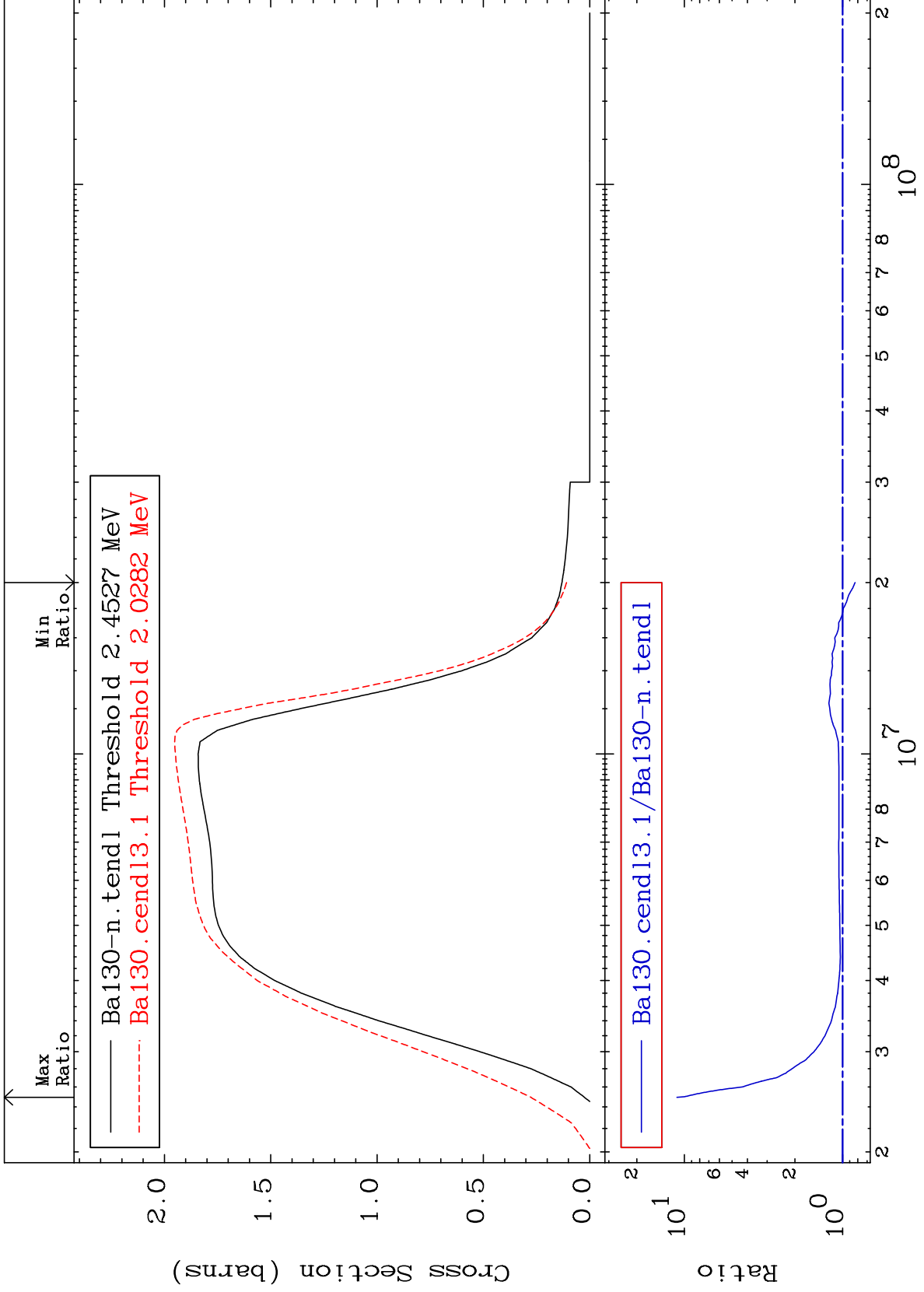
20

56-Ba-130

MAT 5625

(n, n') Continuum
Cross Section

56-Ba-130
-16.68 To 1015. %



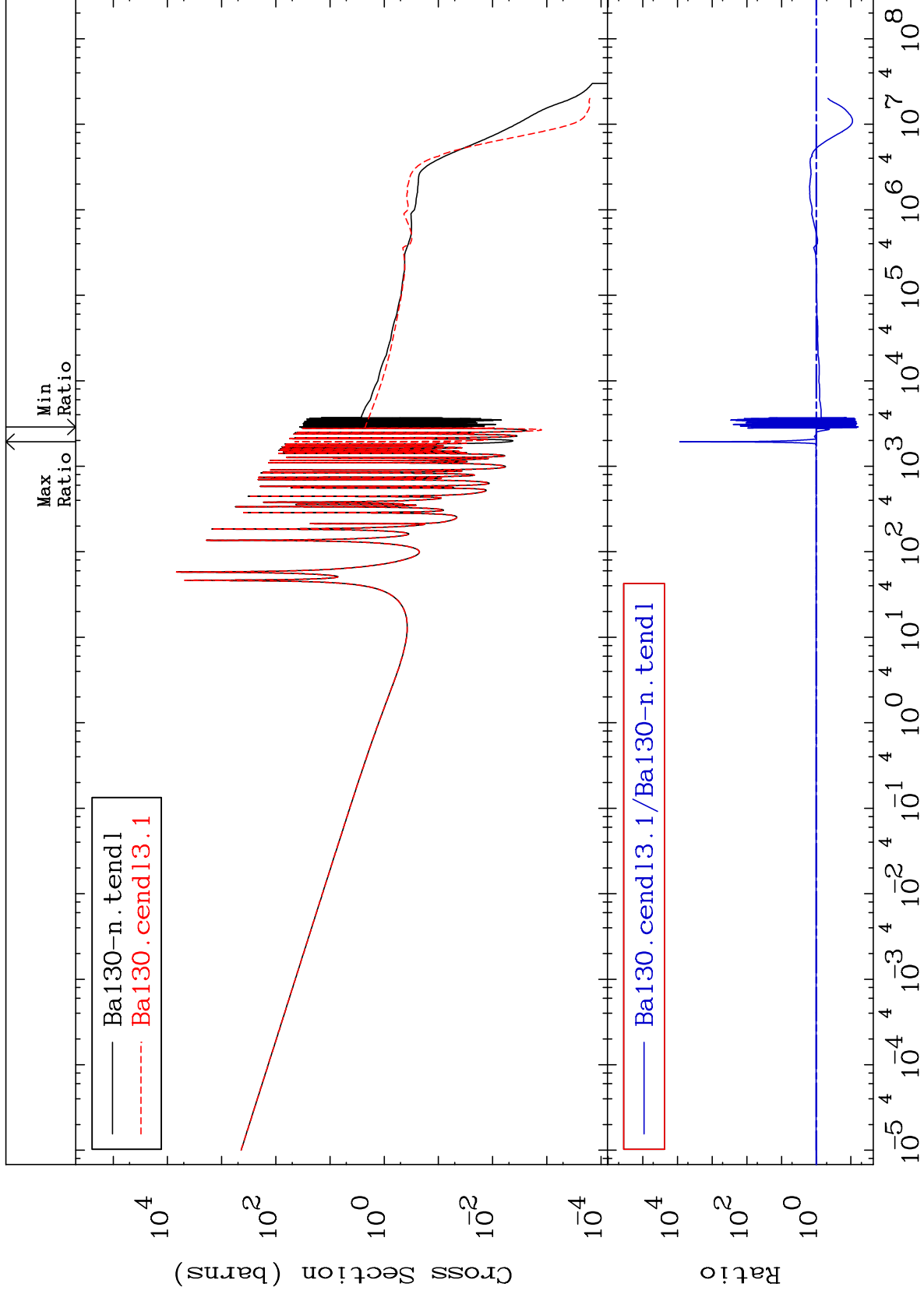
MAT 5625

56-Ba-130

-93.80 To 9999. %

(n, γ)

Cross Section



22

Incident Energy (eV)

56-Ba-130

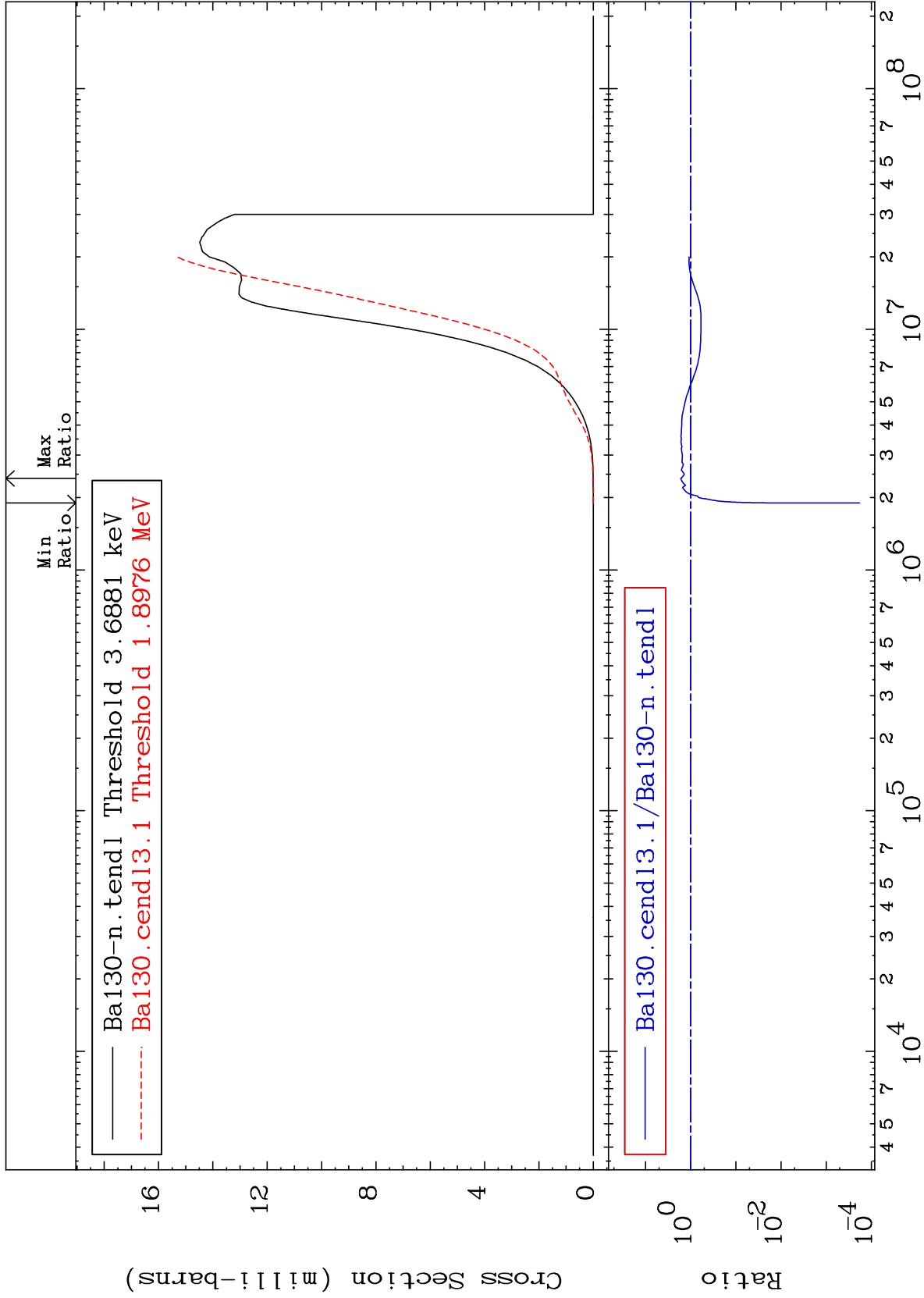
MAT 5625

(n, p)

56-Ba-130

Cross Section

-99.98 To 65.96 %



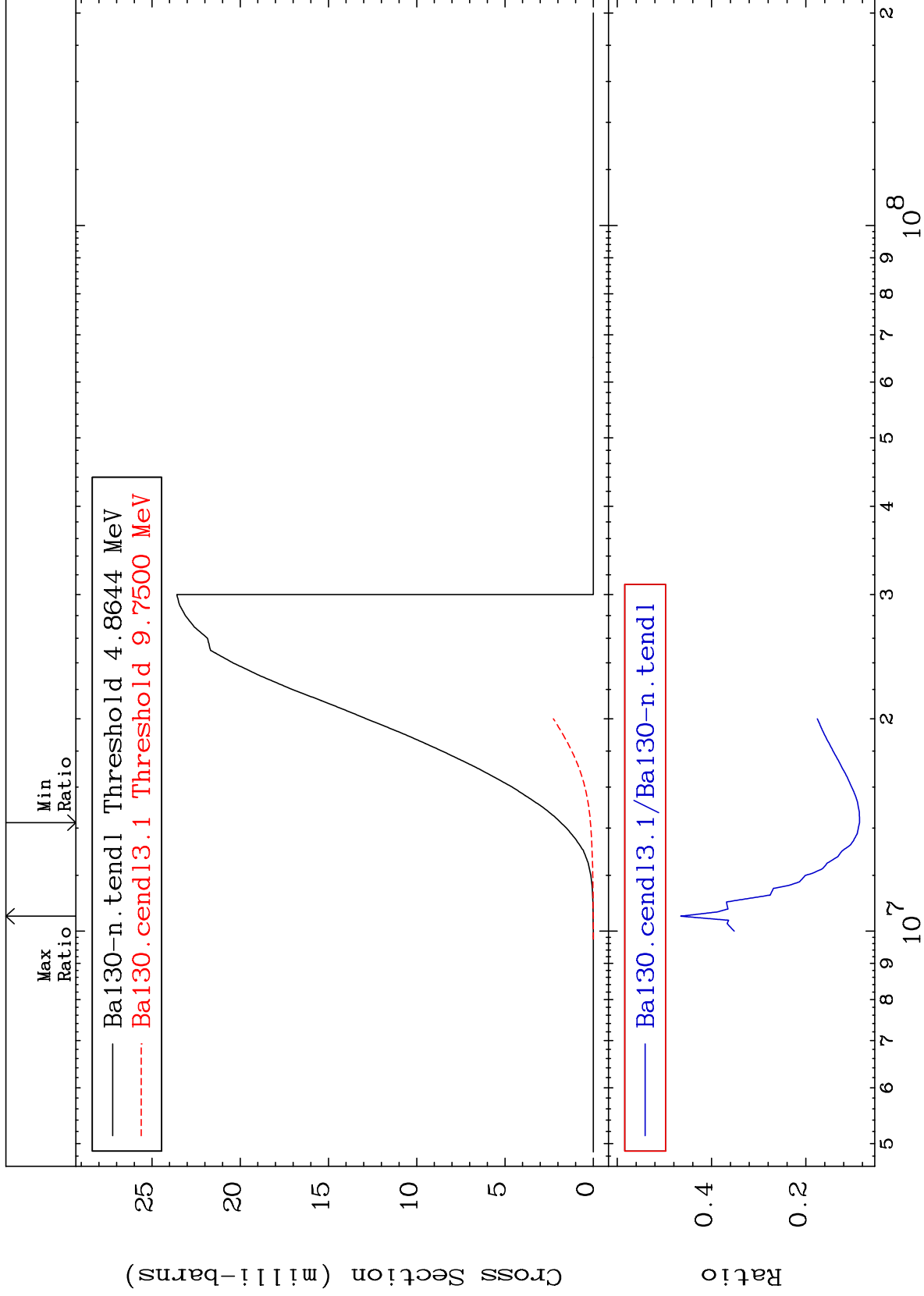
MAT 5625

(n, d)

56-Ba-130

Cross Section

-91.37 To -53.47%



24

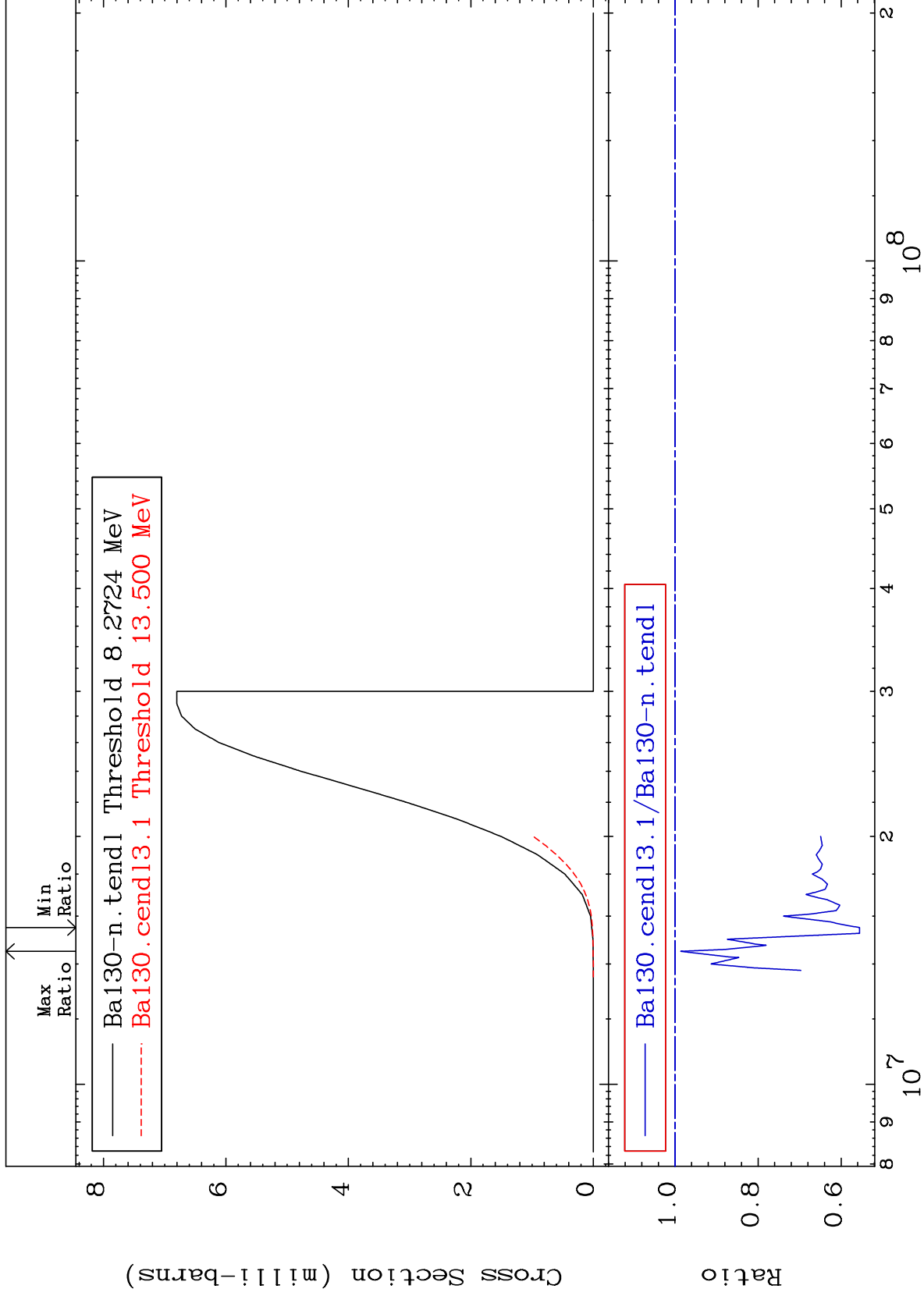
Incident Energy (eV)

56-Ba-130

MAT 5625

(n, t)
Cross Section

56-Ba-130
-44.43 To -1.395%



25

Incident Energy (eV)

56-Ba-130

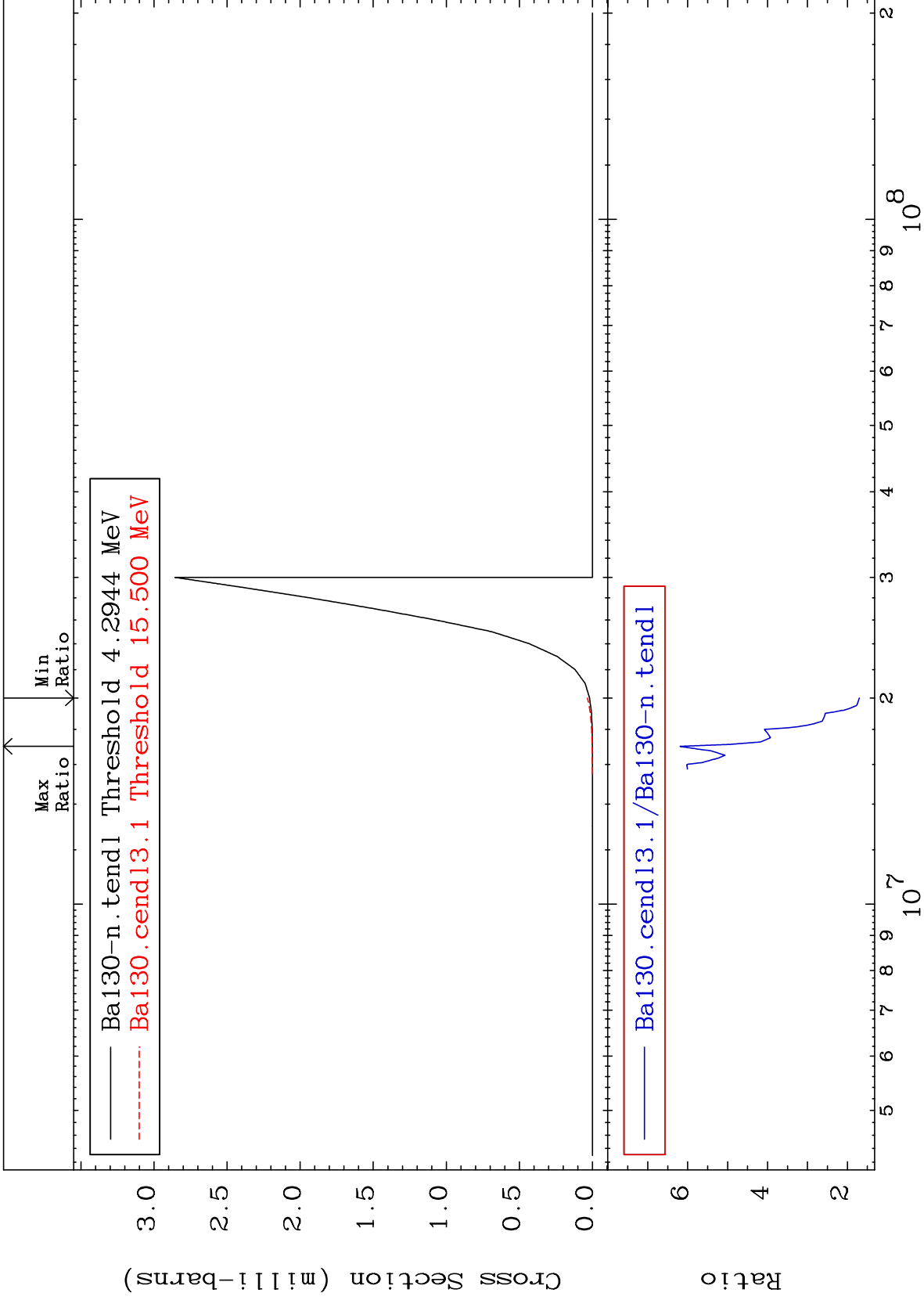
MAT 5625

(n, He-3)

56-Ba-130

69.97 To 518.9 %

Cross Section



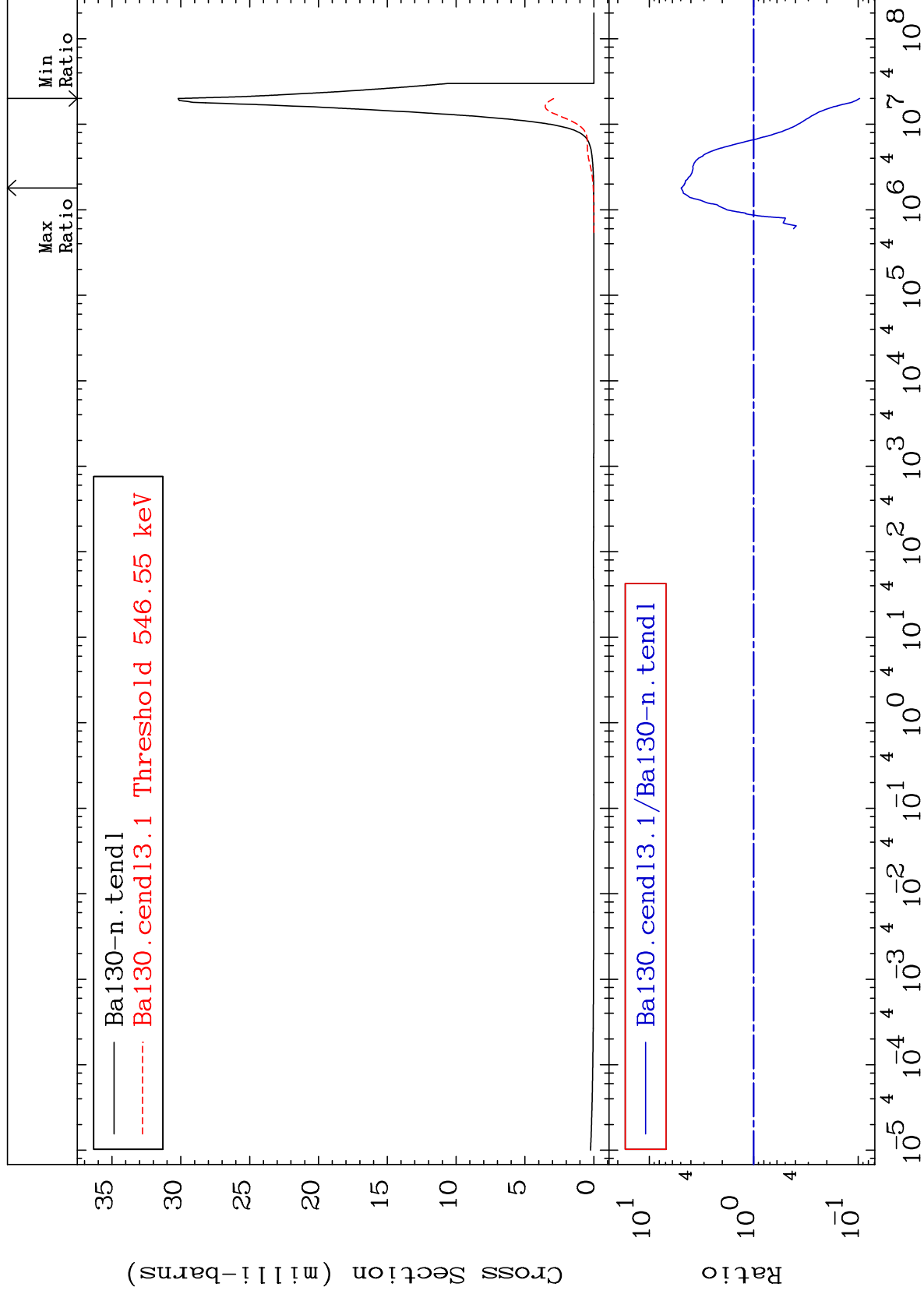
MAT 5625

(n, α)

Cross Section

56-Ba-130

-90.31 To 395.0 %



27

Incident Energy (eV)

56-Ba-130

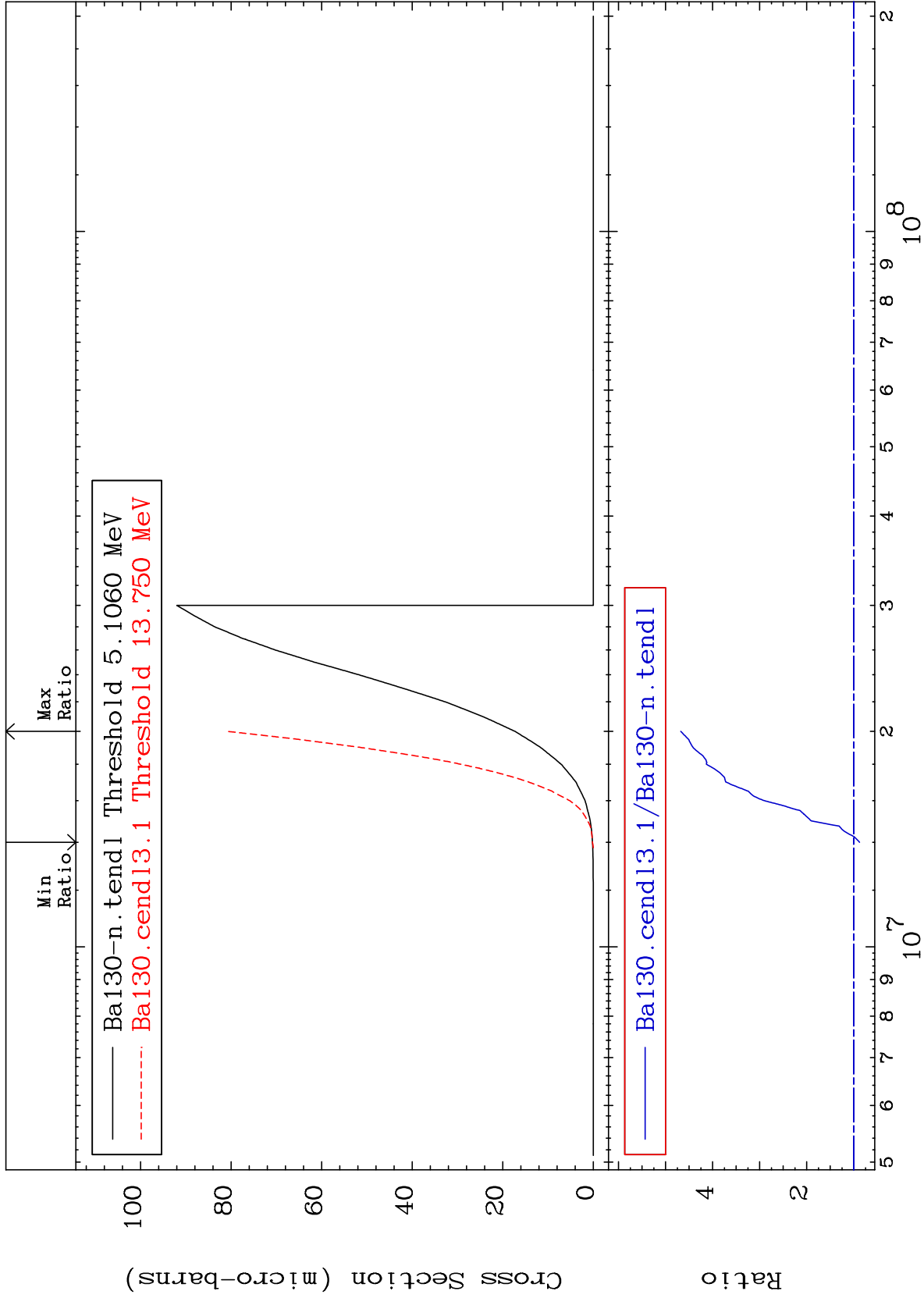
MAT 5625

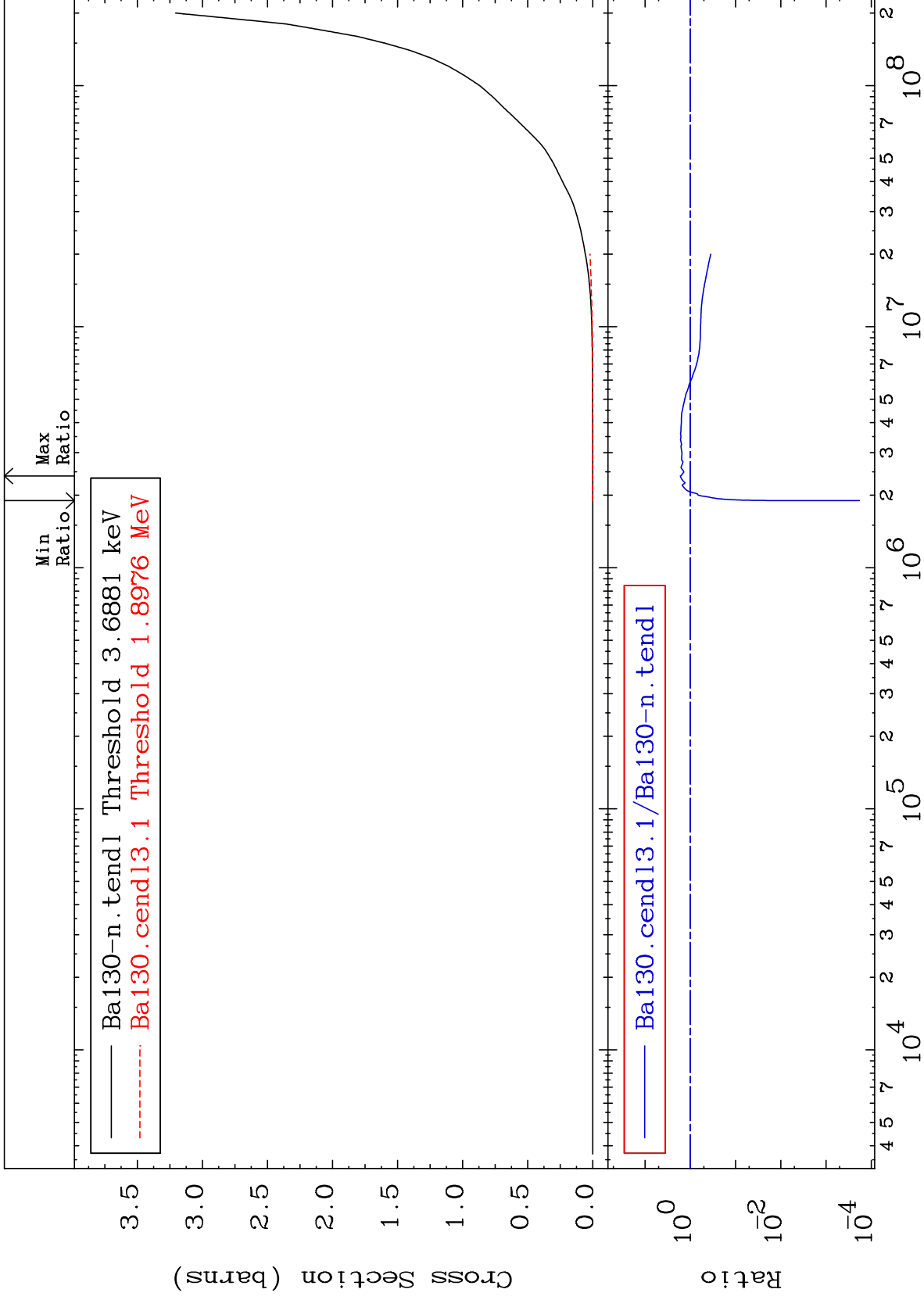
(n,2p)

56-Ba-130

Cross Section

-12.35 To 367.6 %

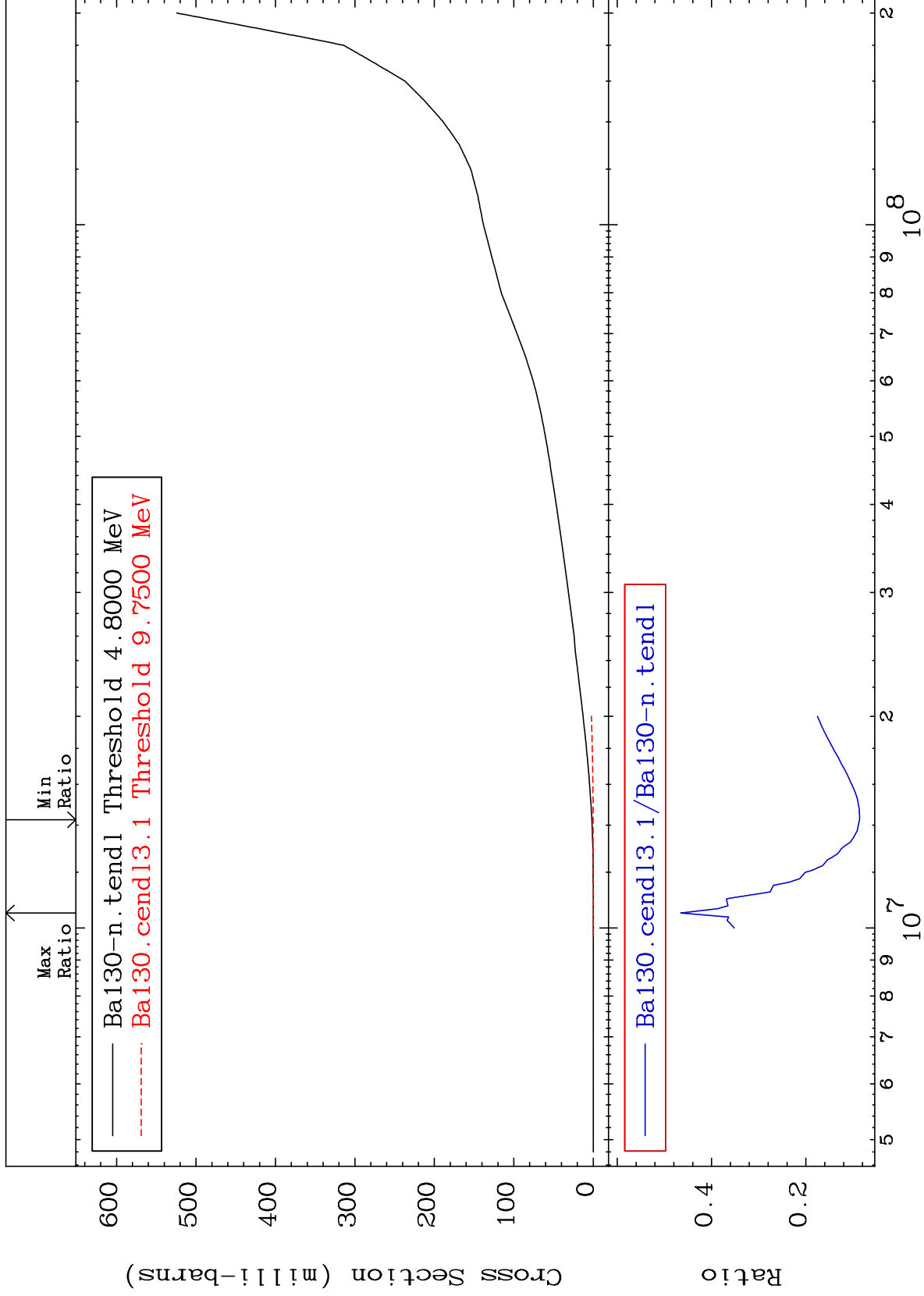




MAT 5625

Deuterium Production
Cross Section

56-Ba-130
-91.37 To -53.47%



30

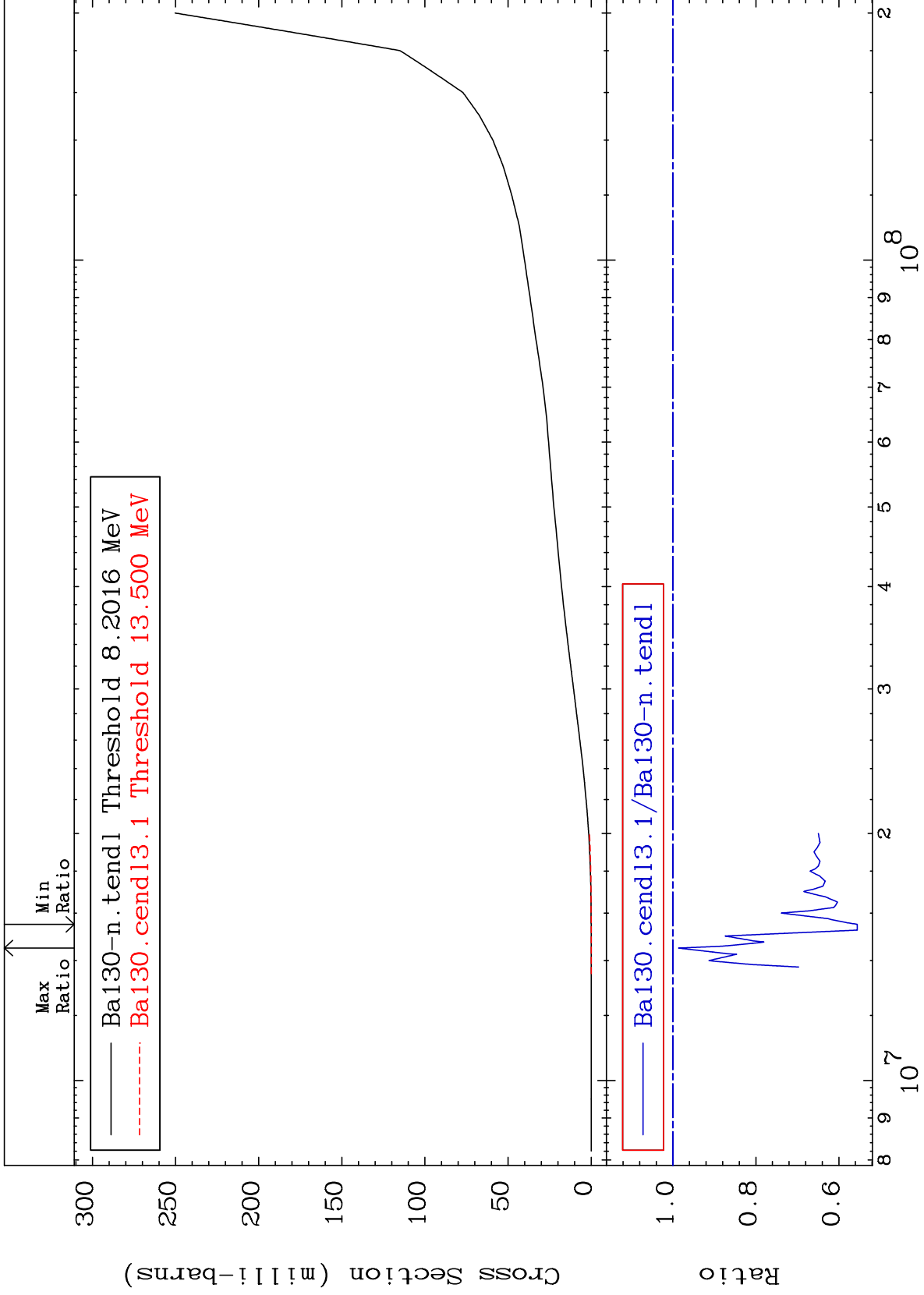
Incident Energy (eV)

56-Ba-130

MAT 5625

Tritium Production
Cross Section

56-Ba-130
-44.43 To -1.395%



31

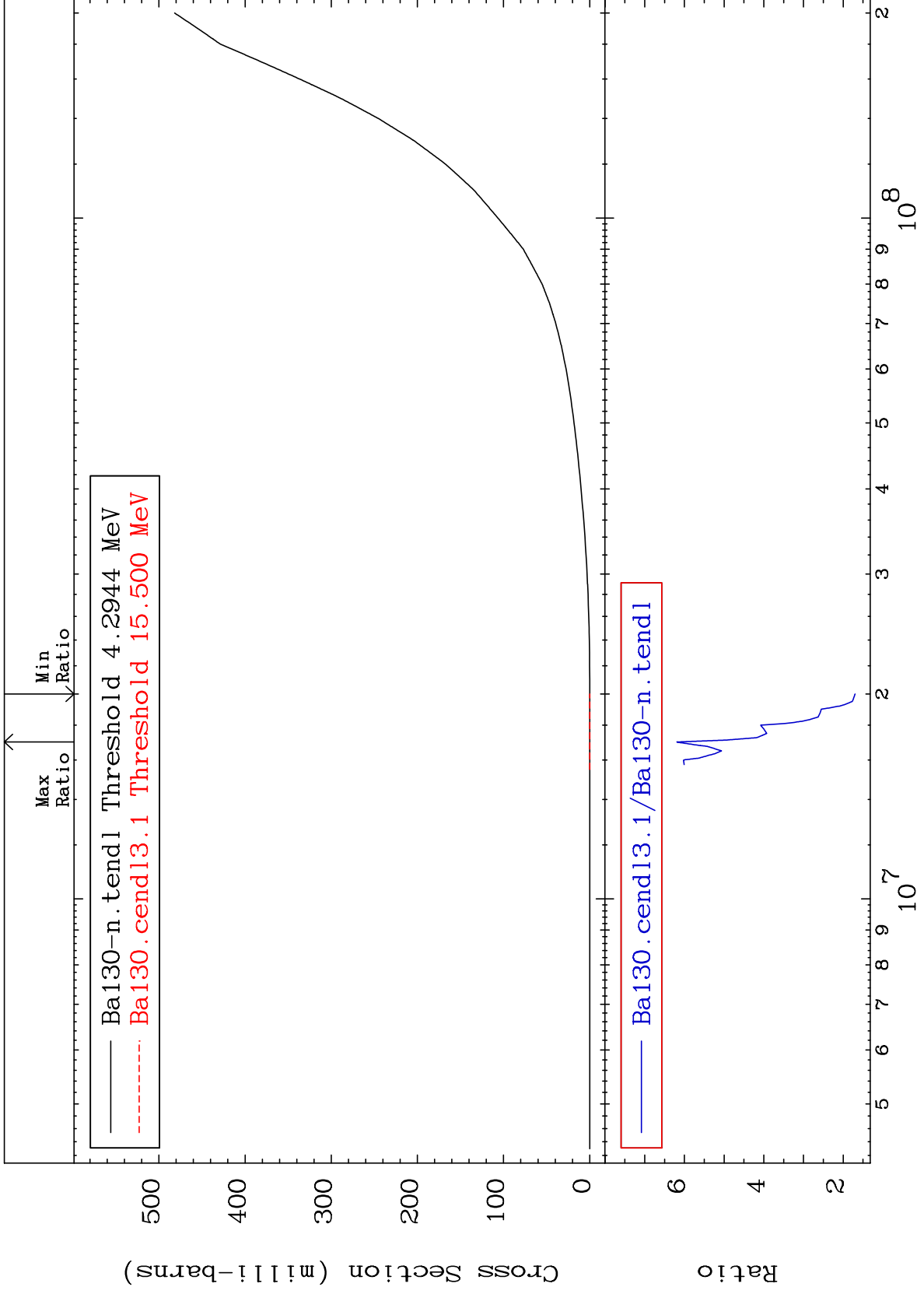
Incident Energy (eV)

56-Ba-130

MAT 5625

He-3 Production
Cross Section

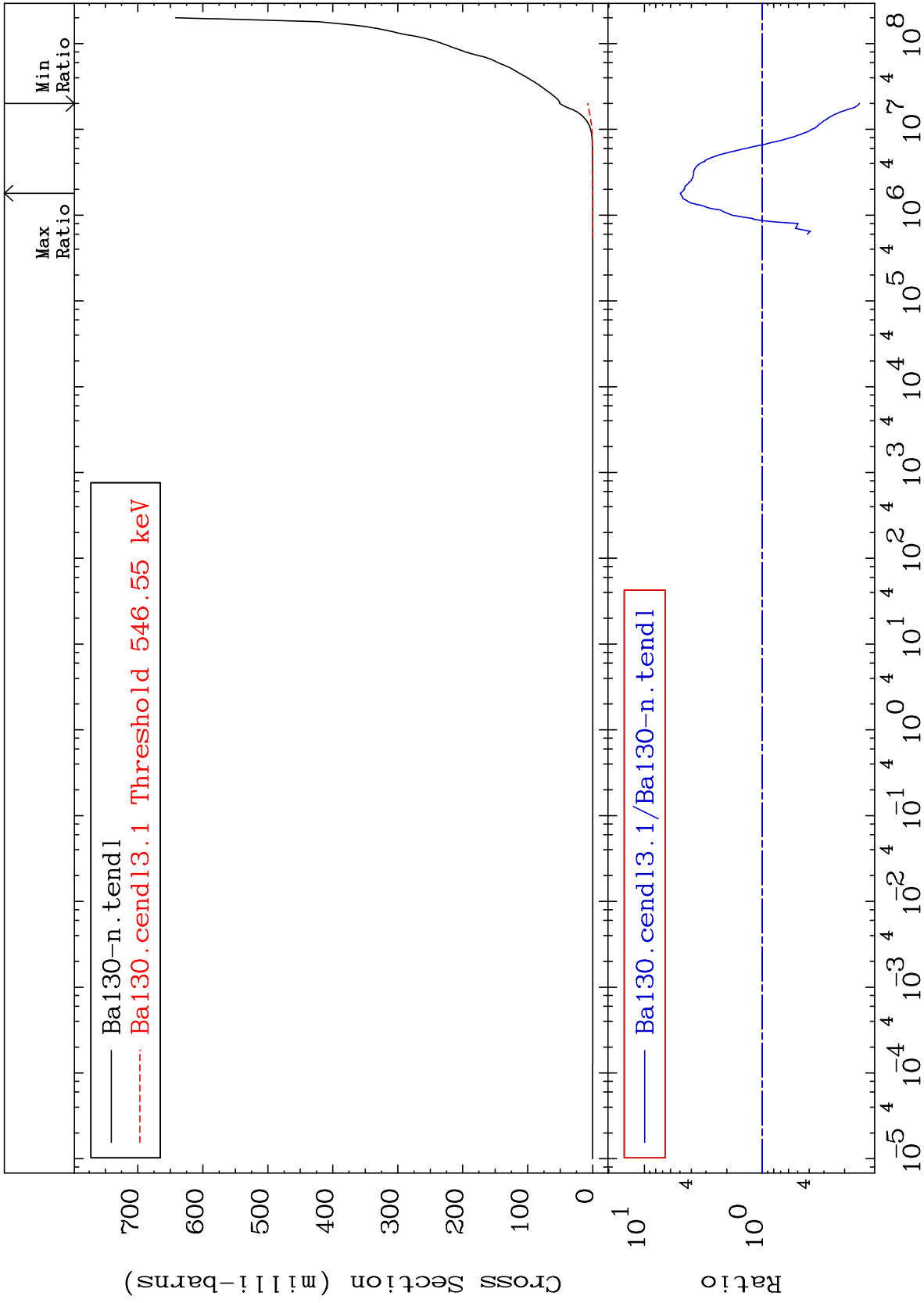
56-Ba-130
69.97 To 518.9 %

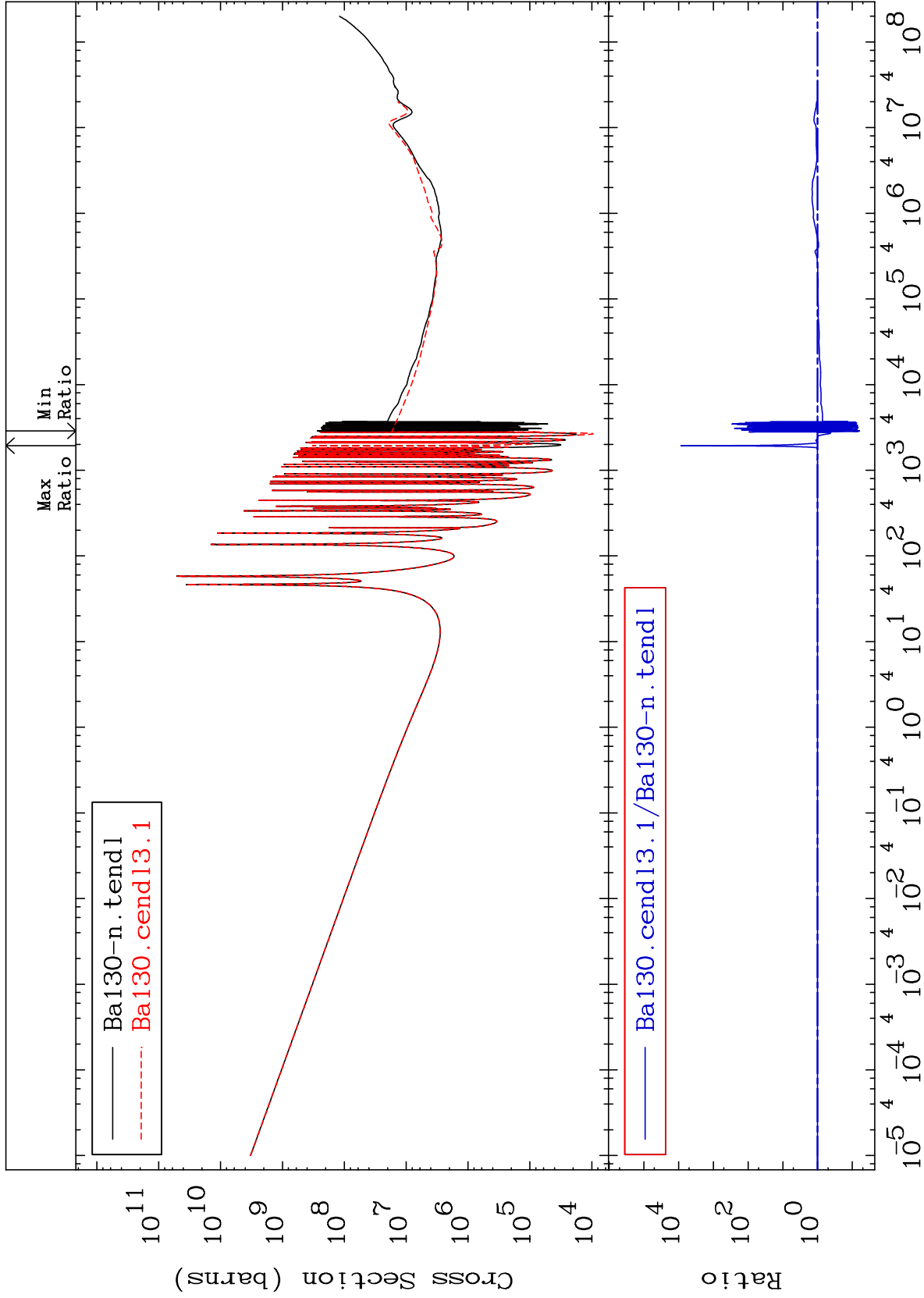


MAT 5625

He-4 Production
Cross Section

56-Ba-130
-85.00 To 395.0 %

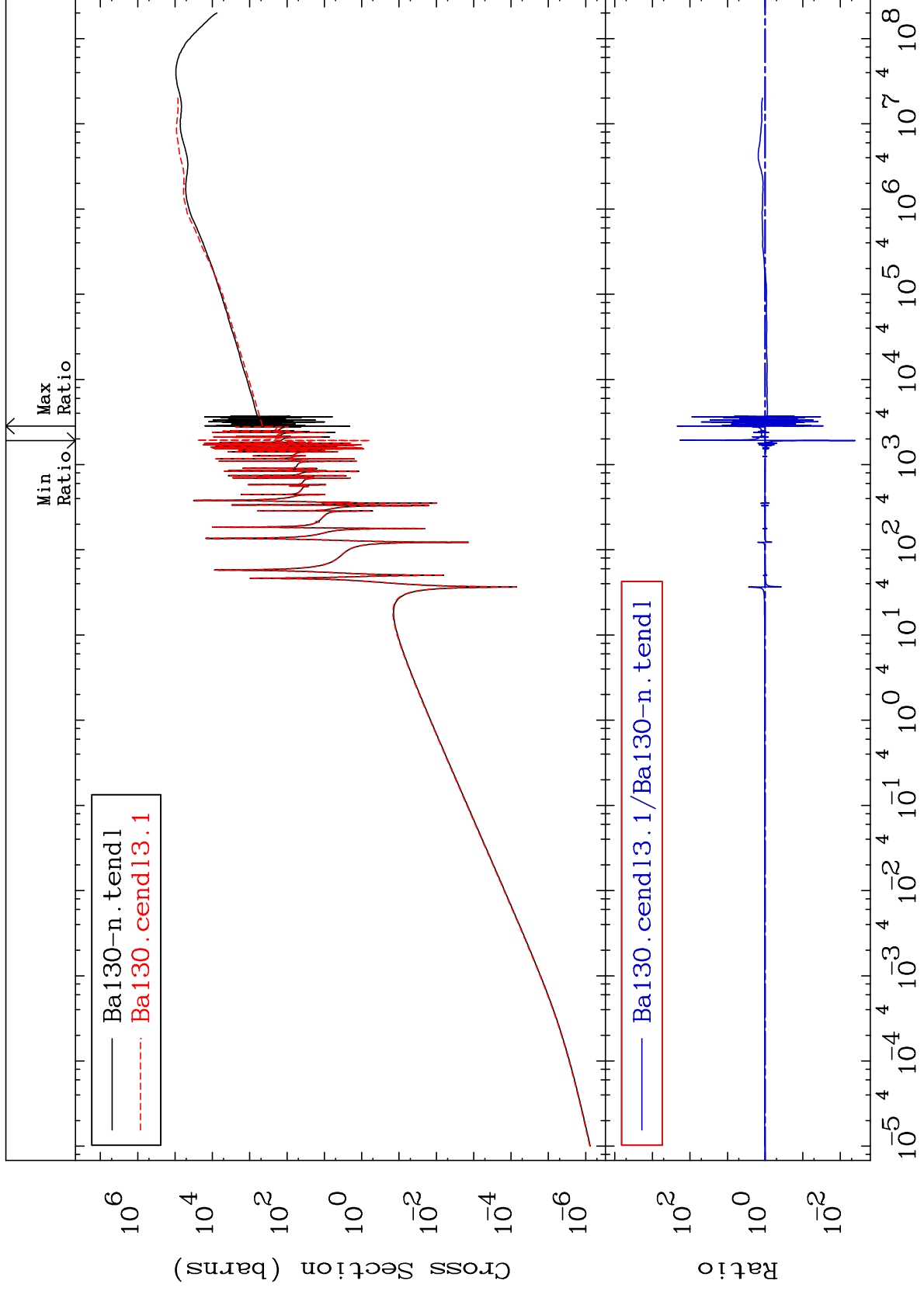




MAT 5625

Kerma elastic
Cross Section

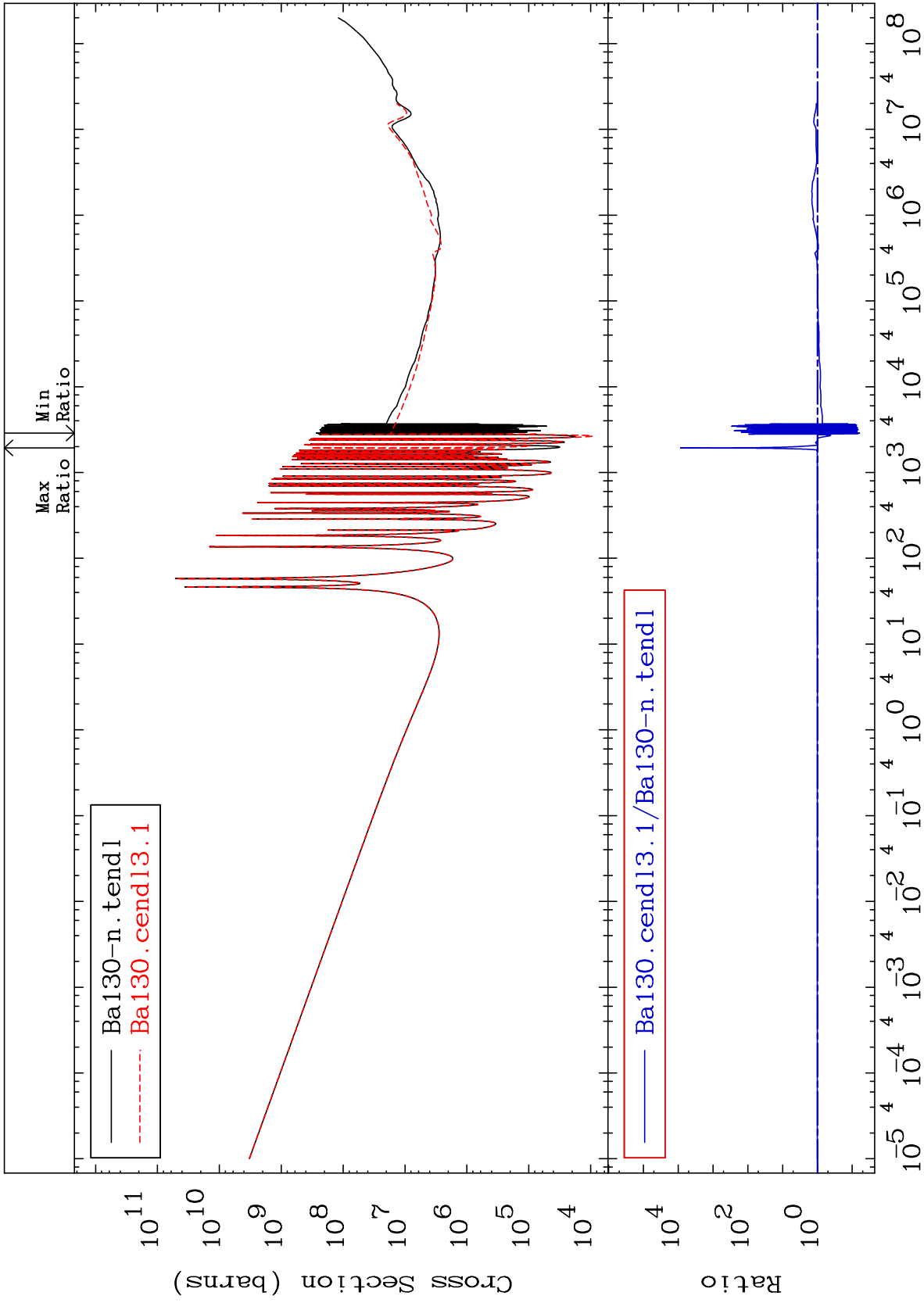
56-Ba-130
-99.60 To 9999. %



35

Incident Energy (eV)

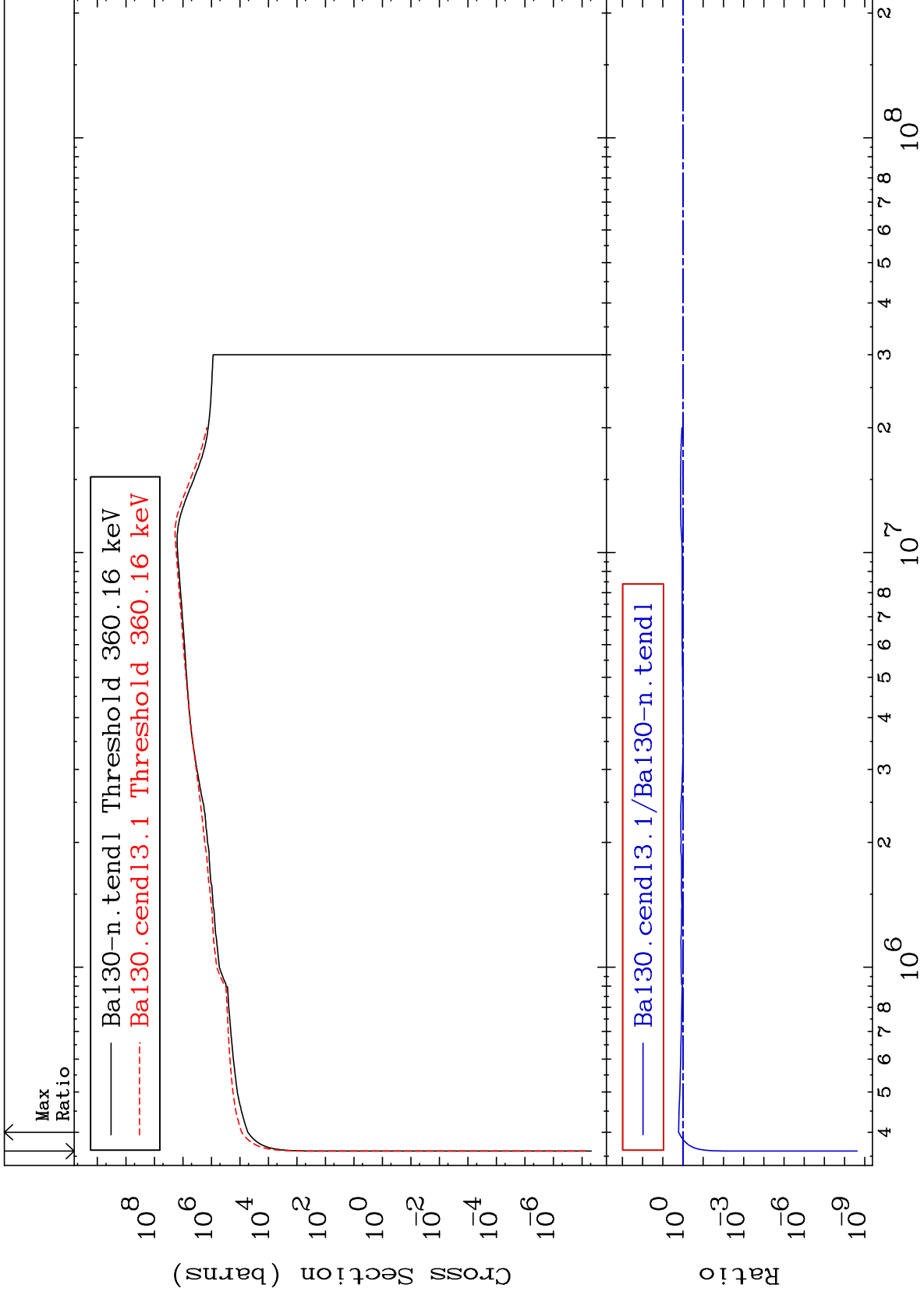
56-Ba-130



MAT 5625

Kerma inelastic (mt51-91)
Cross Section

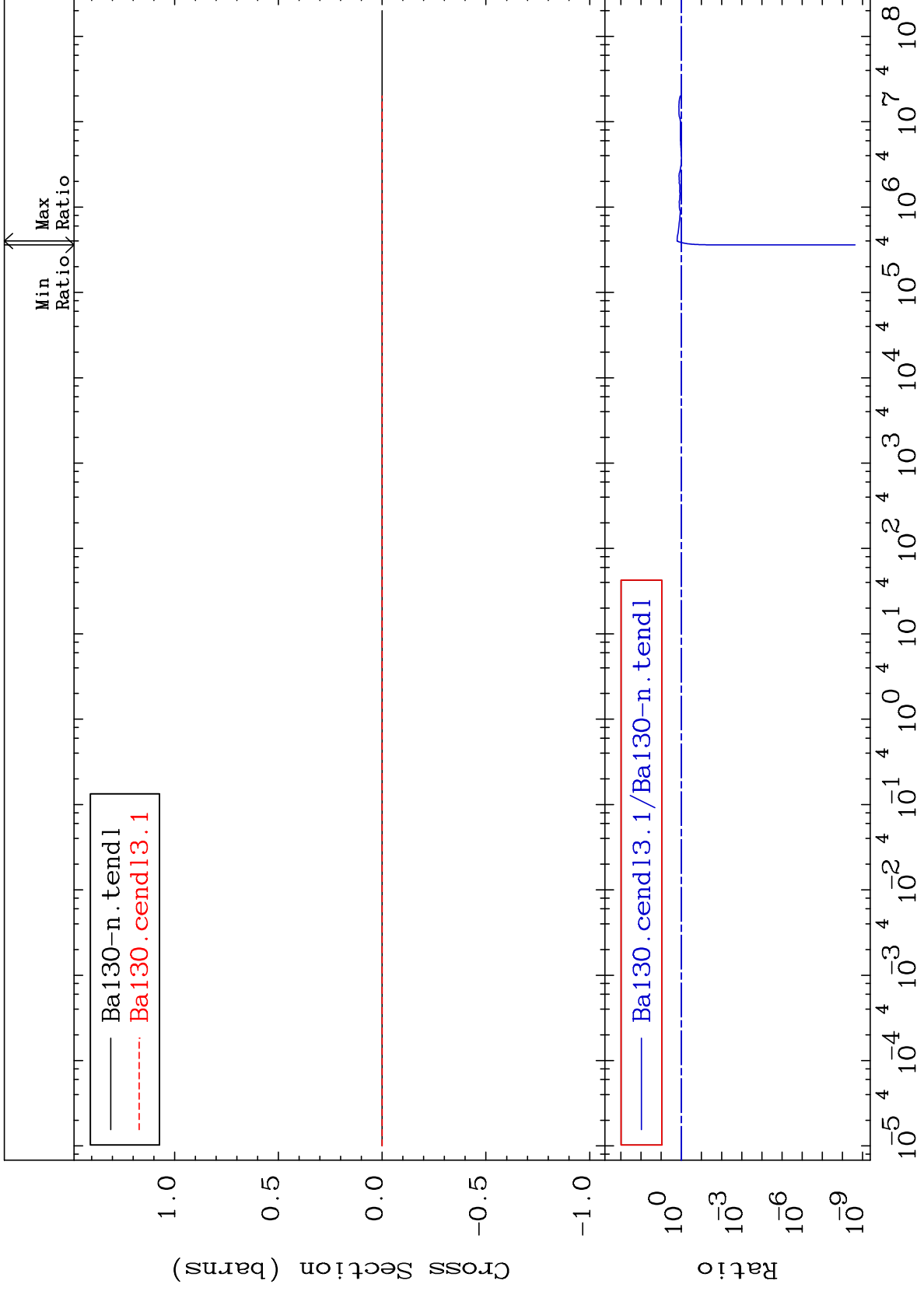
56-Ba-130
-100.0 To 64.82 %

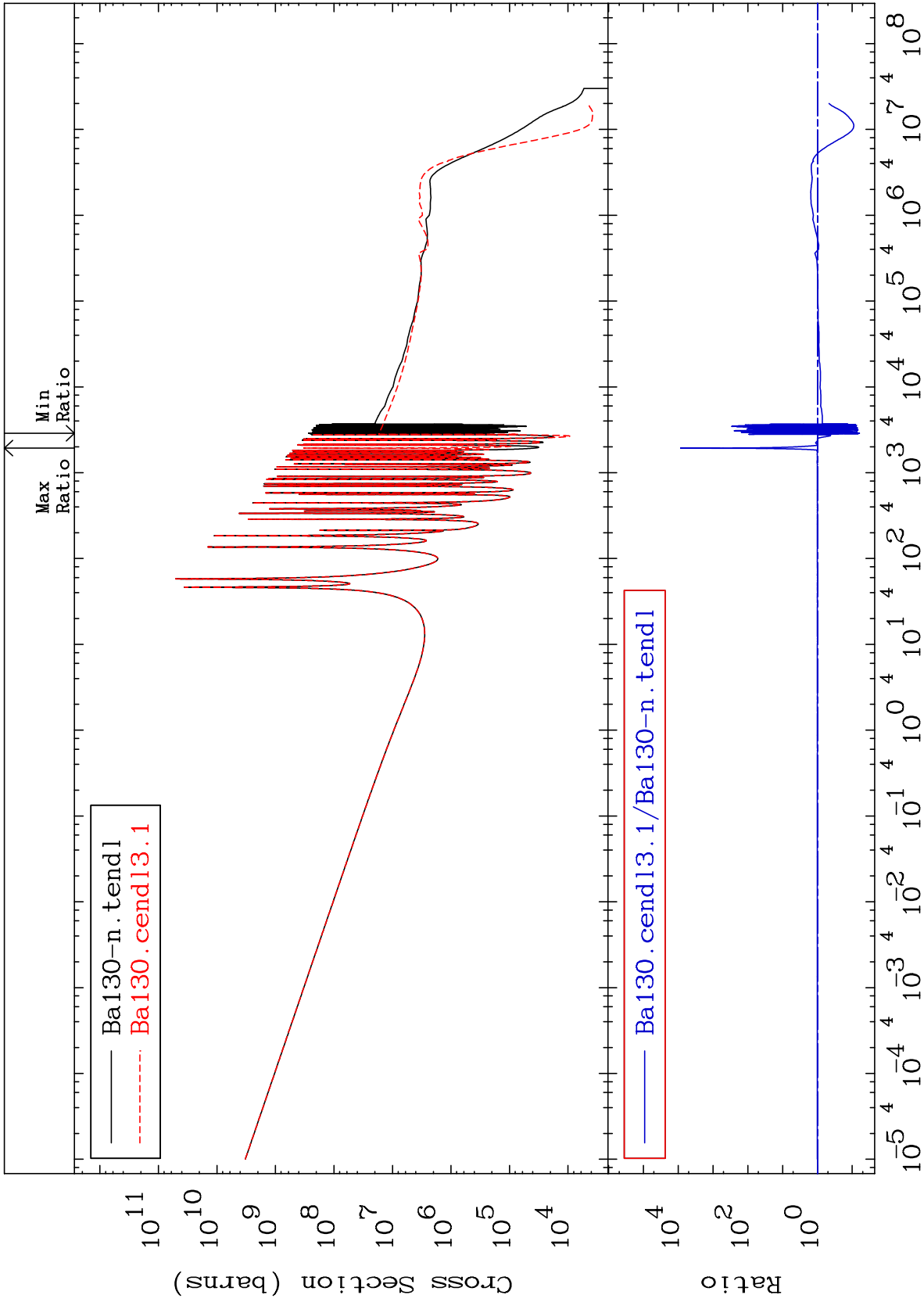


MAT 5625

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

56-Ba-130
-100.0 To 64.82 %



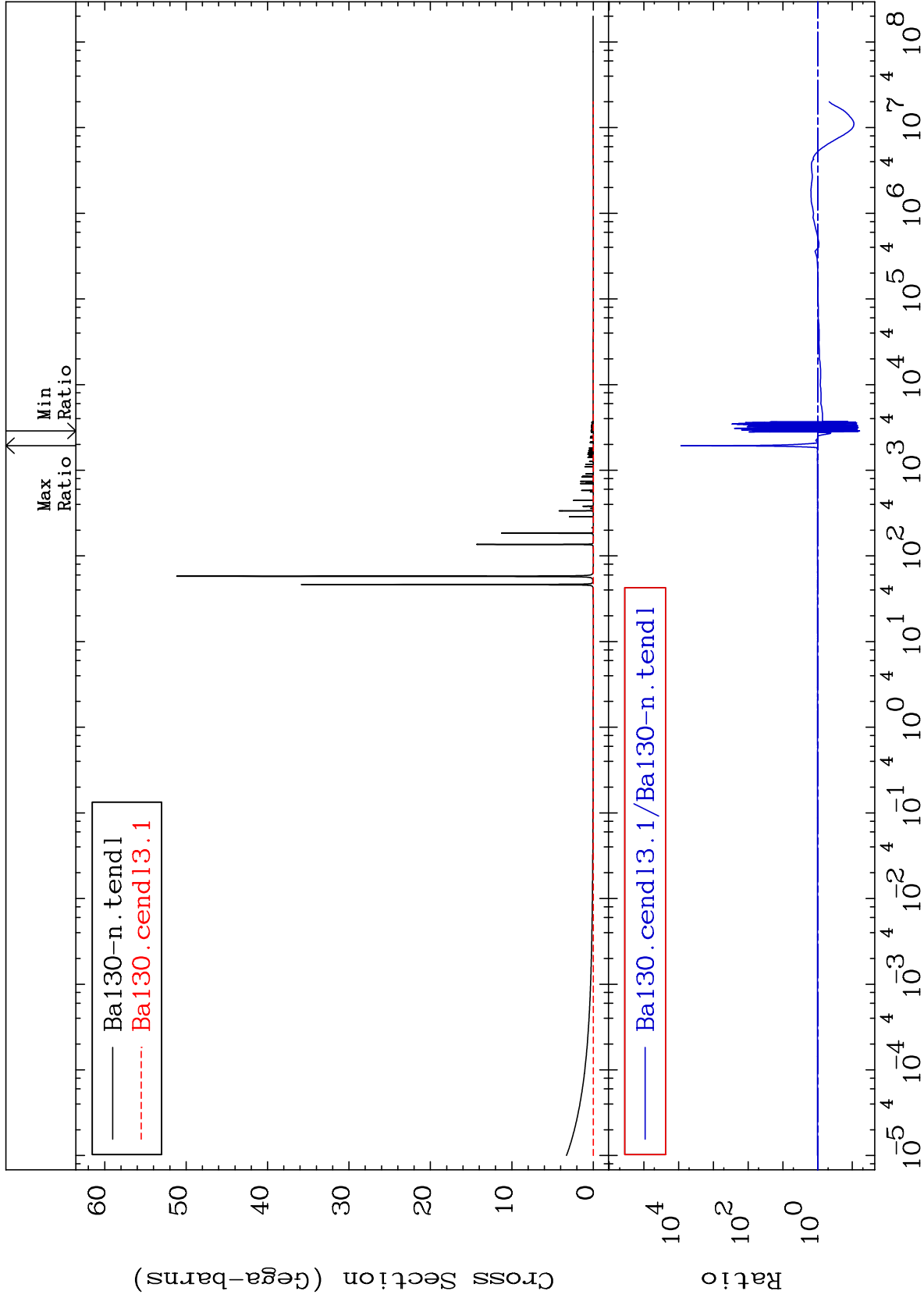


MAT 5625

Total photon (eV-barns)
Cross Section

56-Ba-130

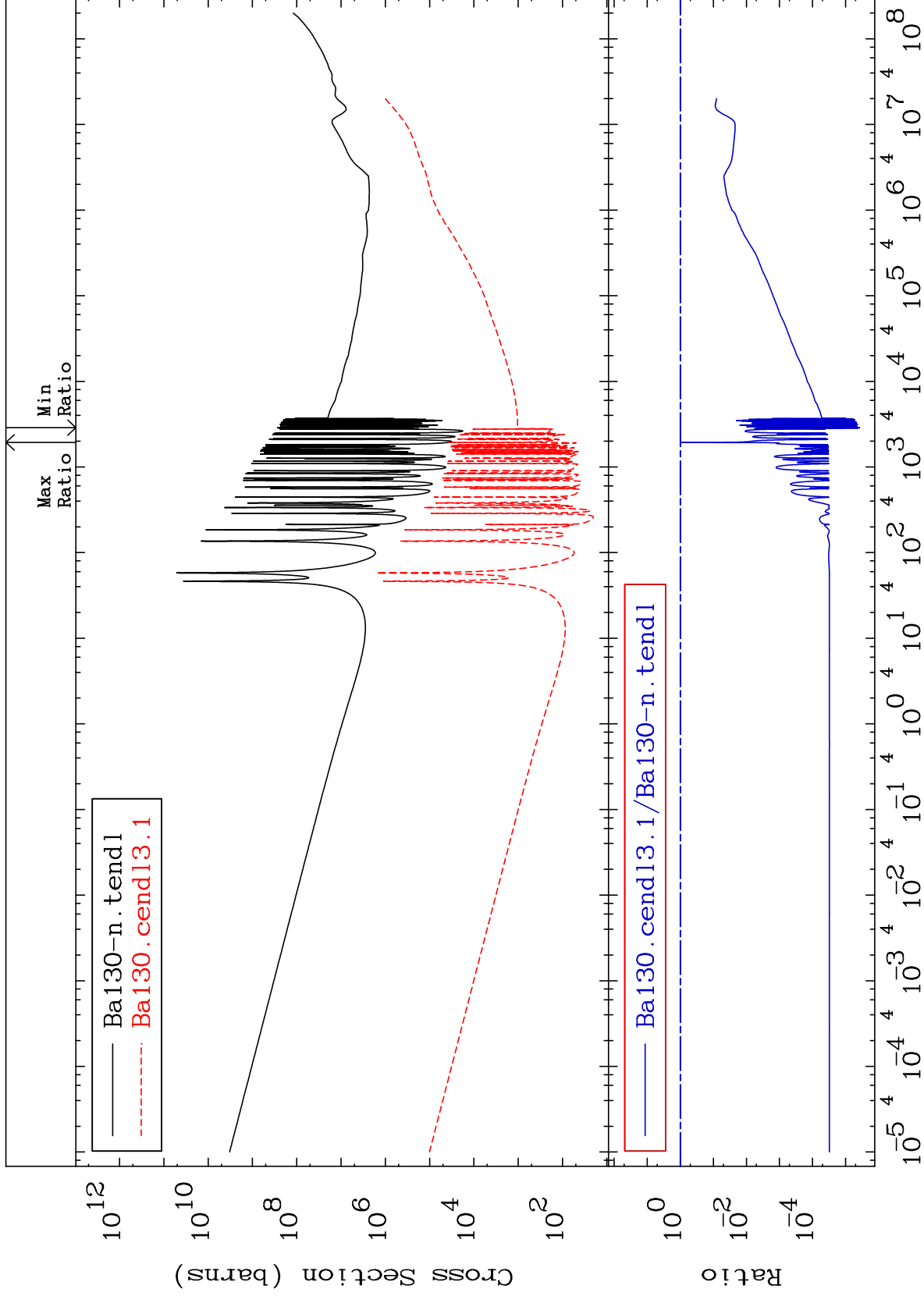
-93.80 To 9999. %



40

Incident Energy (eV)

56-Ba-130



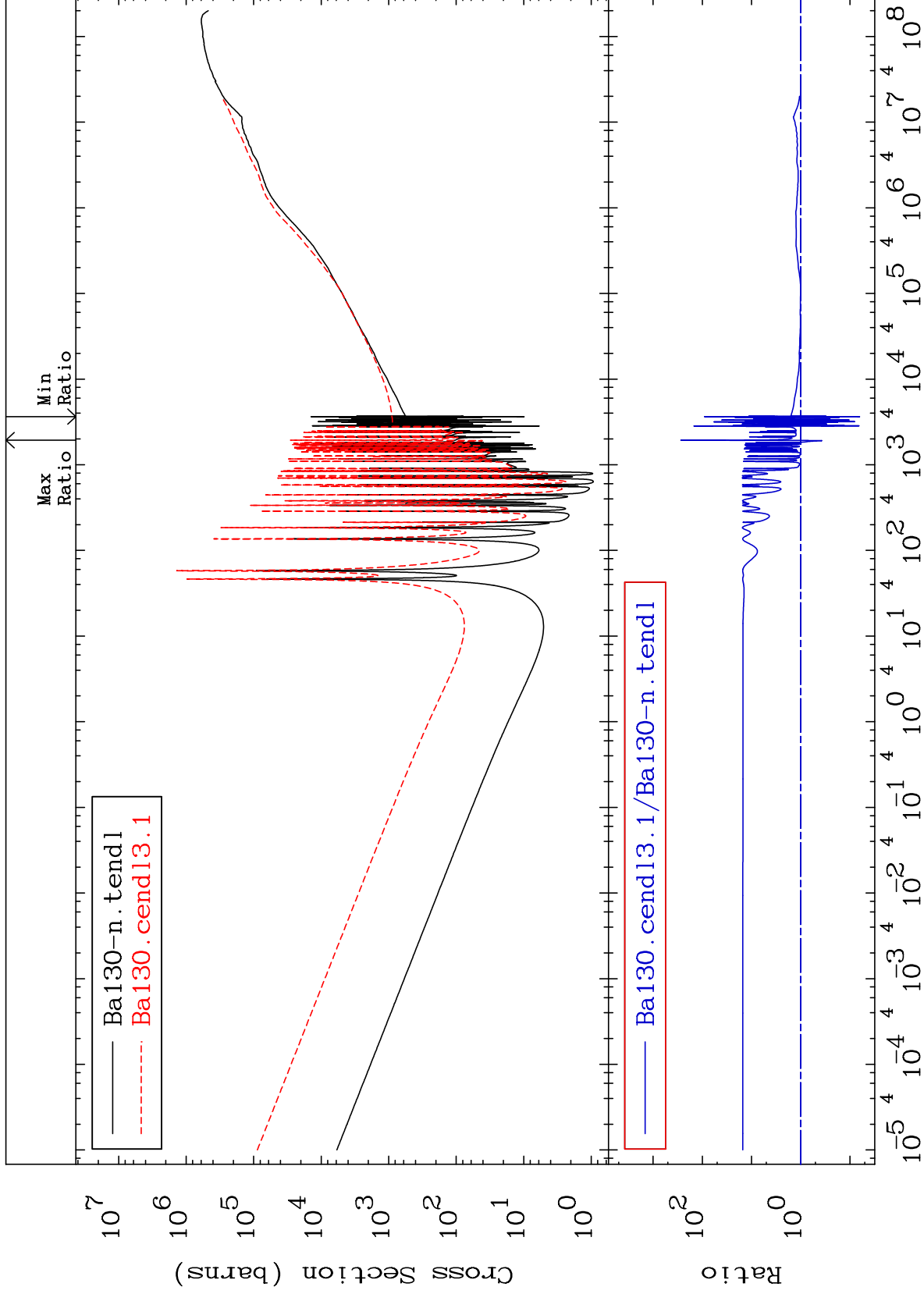
MAT 5625

Dpa total (eV-barns)

56-Ba-130

-93.64 To 9999. %

Cross Section



42

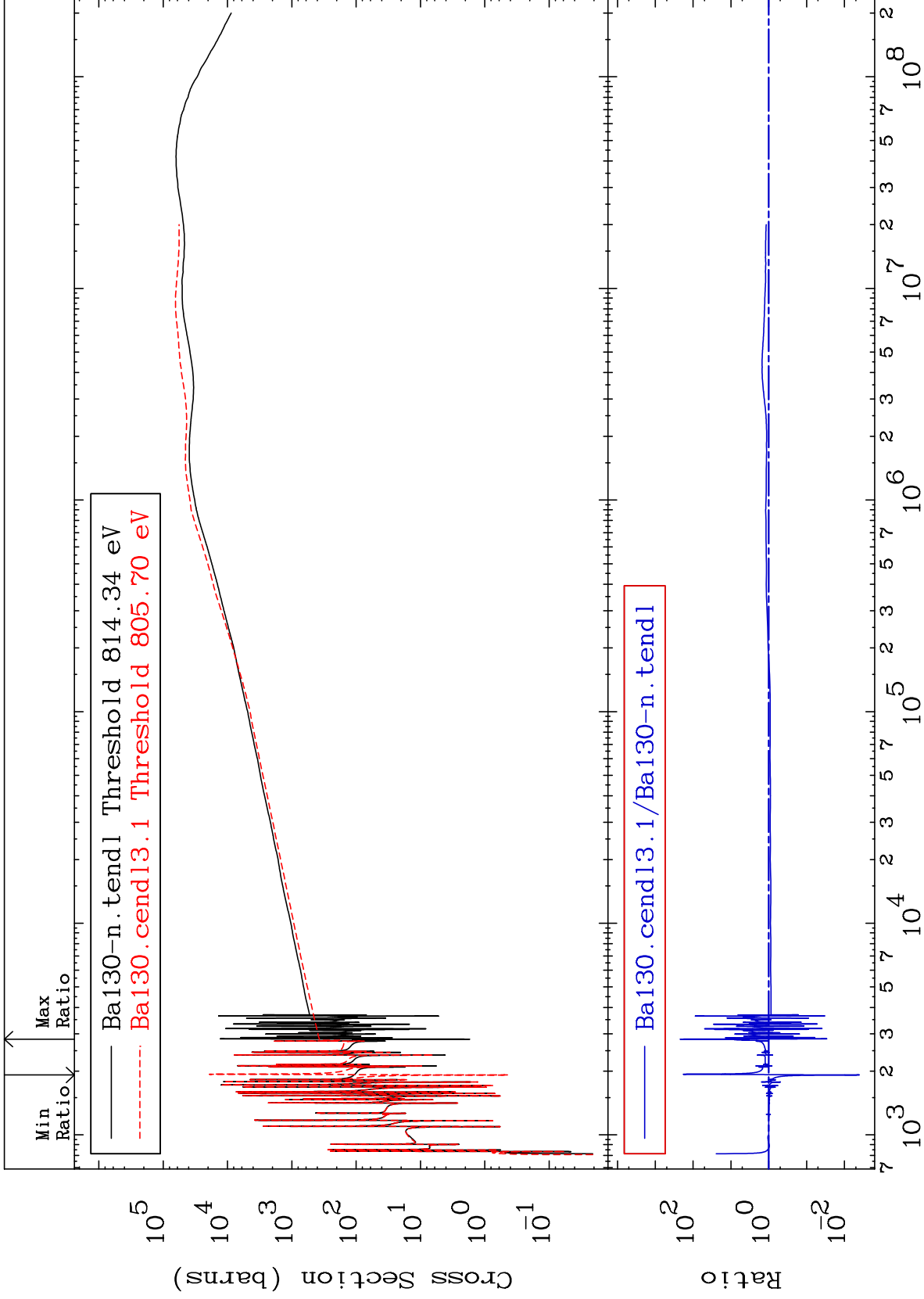
Incident Energy (eV)

56-Ba-130

MAT 5625

Dpa elastic (mt2)
Cross Section

56-Ba-130
-99.60 To 9999. %



43

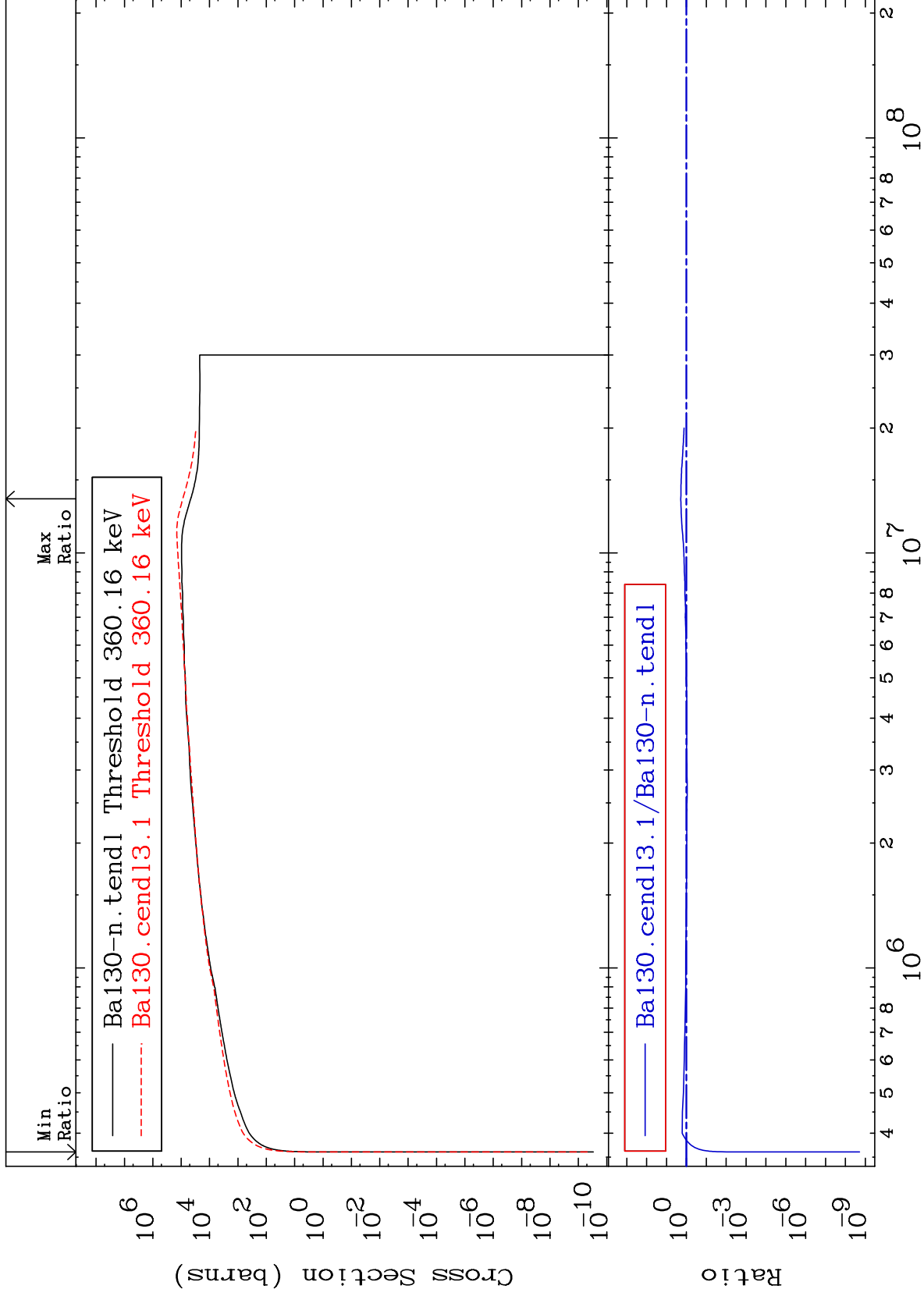
Incident Energy (eV)

56-Ba-130

MAT 5625

Dpa inelastic (mt51-91)
Cross Section

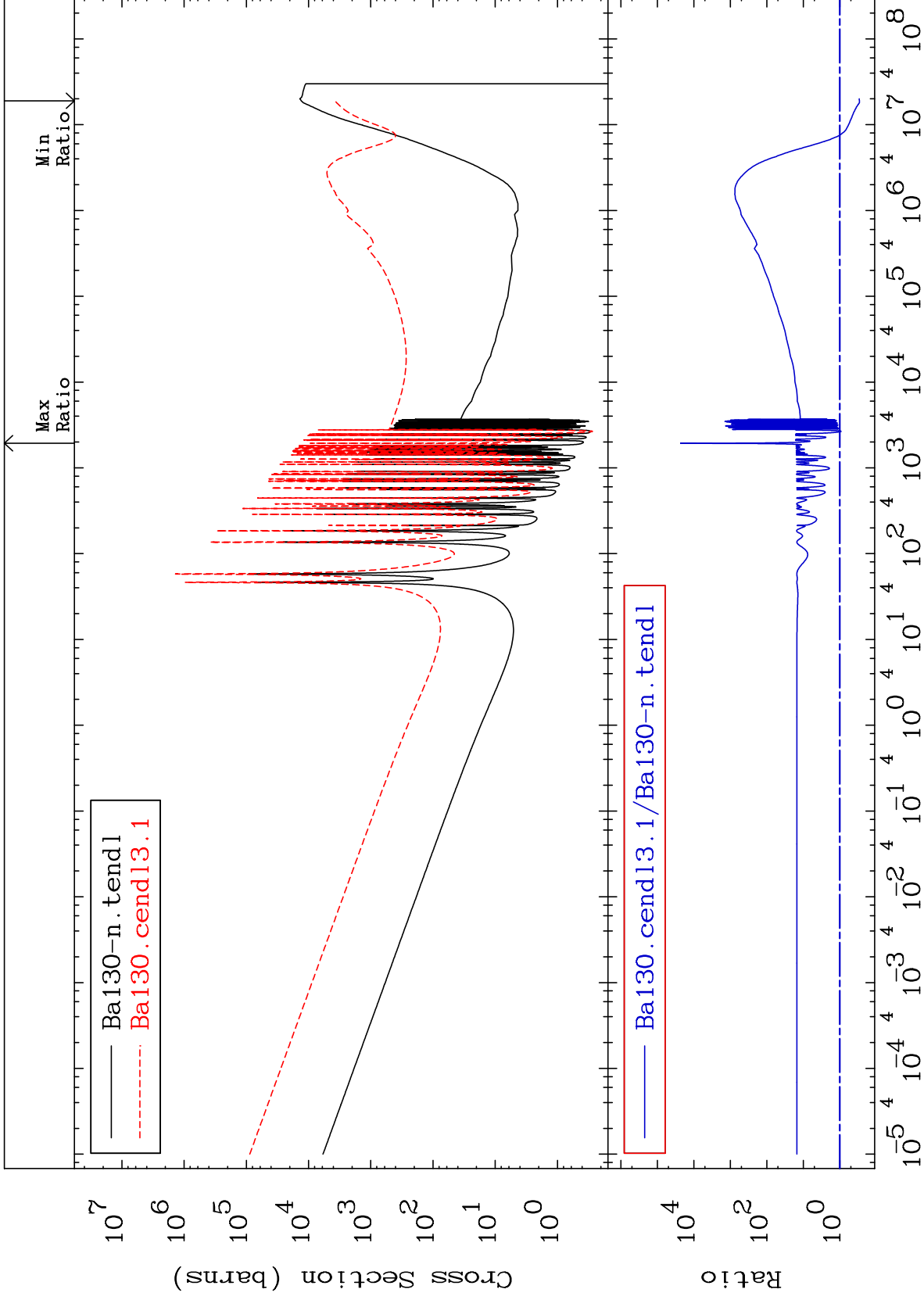
56-Ba-130
-100.0 To 92.71 %



MAT 5625

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-130
-71.03 To 9999. %



45

Incident Energy (eV)

56-Ba-130