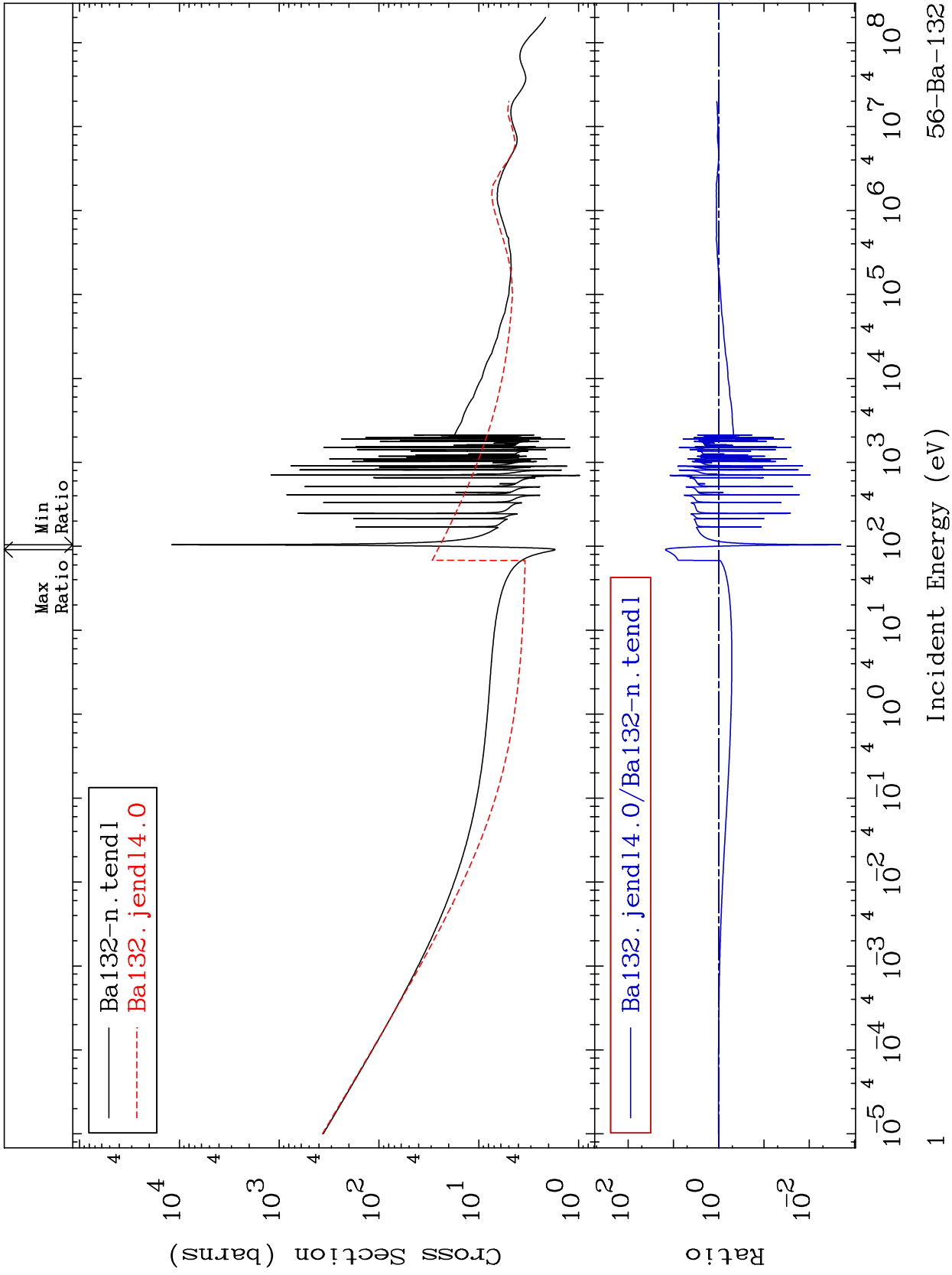


MAT 5631

Total Cross Section  
56-Ba-132  
-99.80 To 1402. %



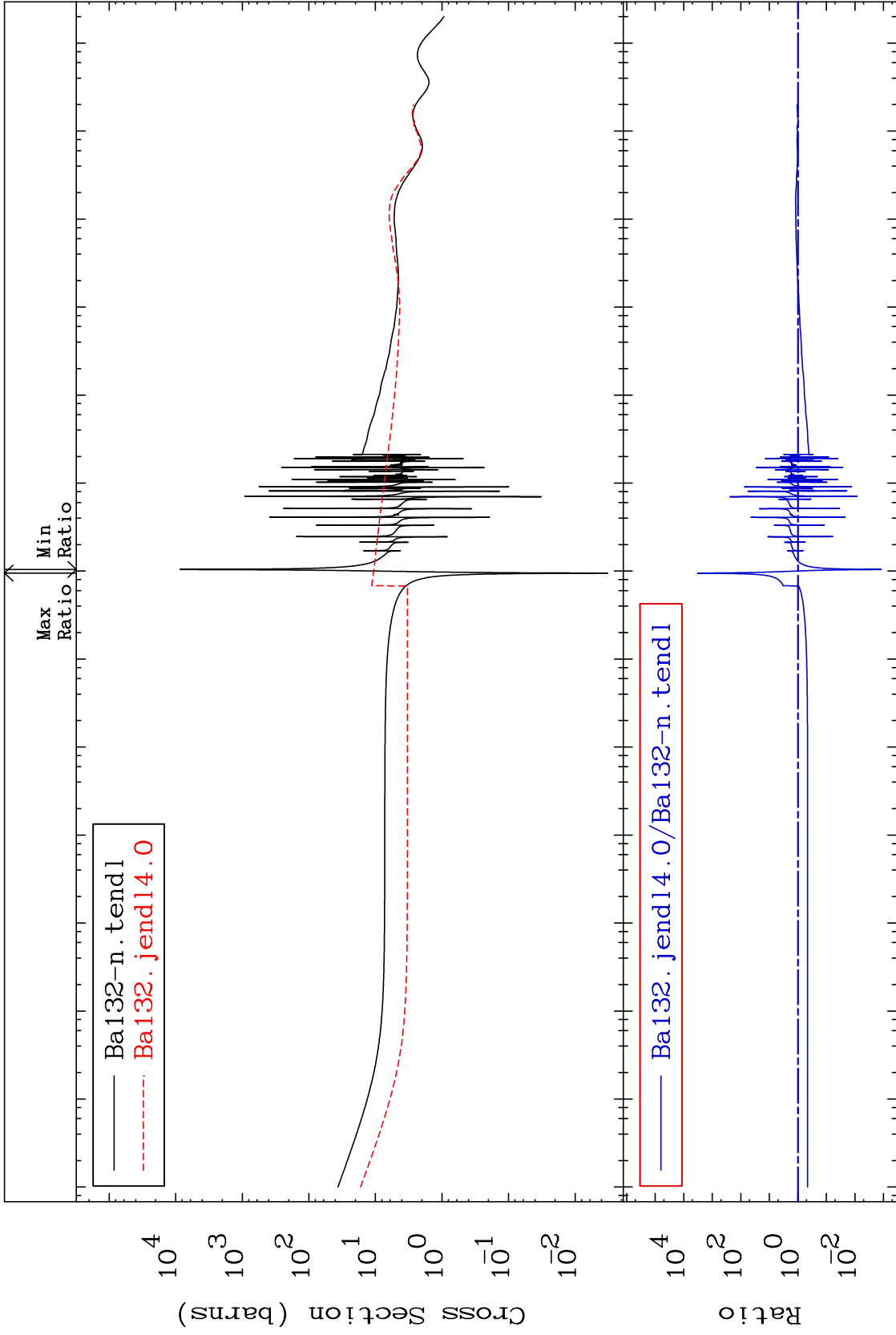
56-Ba-132

Incident Energy (eV)

MAT 5631

Elastic  
Cross Section

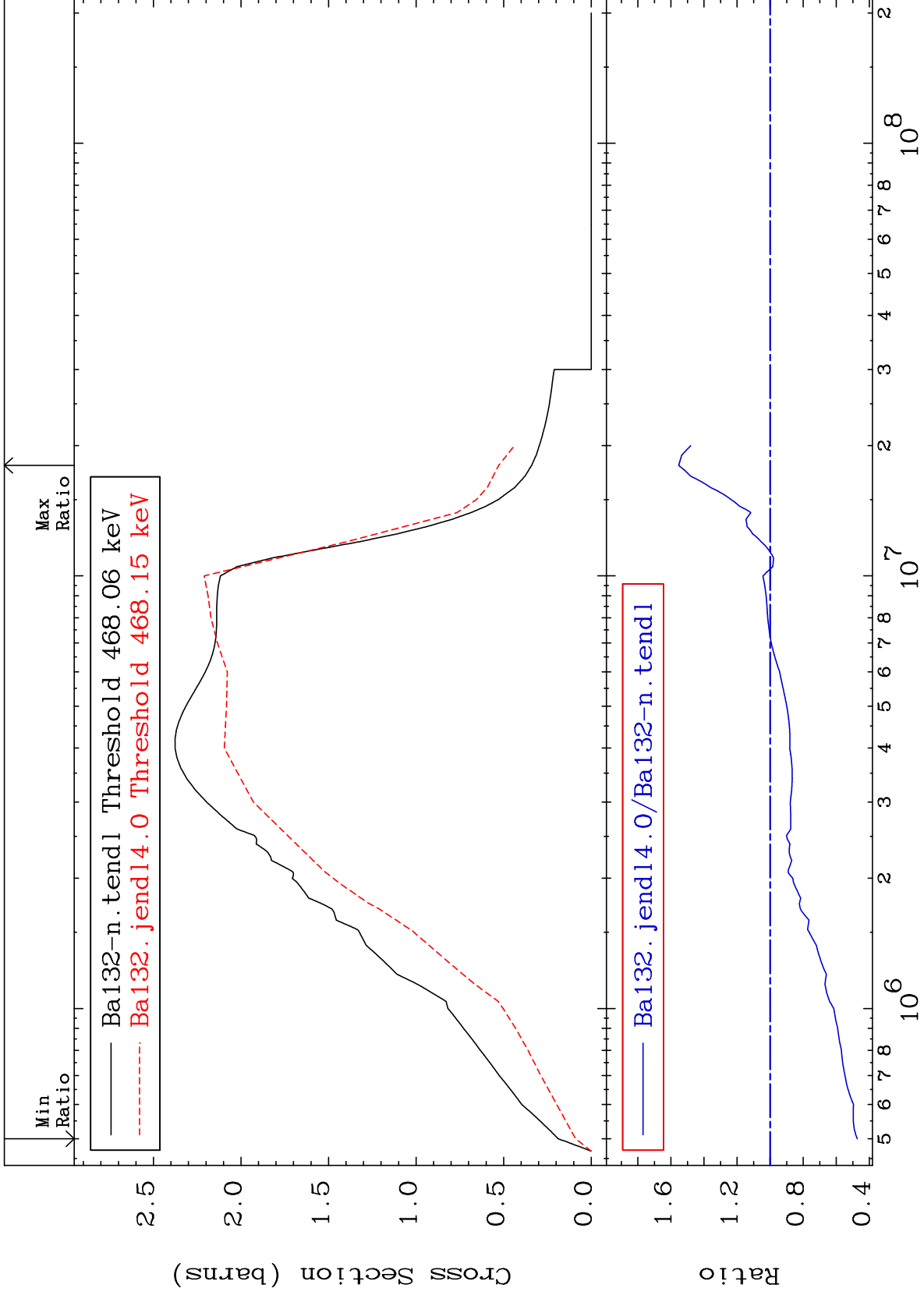
56-Ba-132  
-99.88 To 9999. %



MAT 5631

Inelastic  
Cross Section

56-Ba-132  
-52.65 To 55.36 %



3

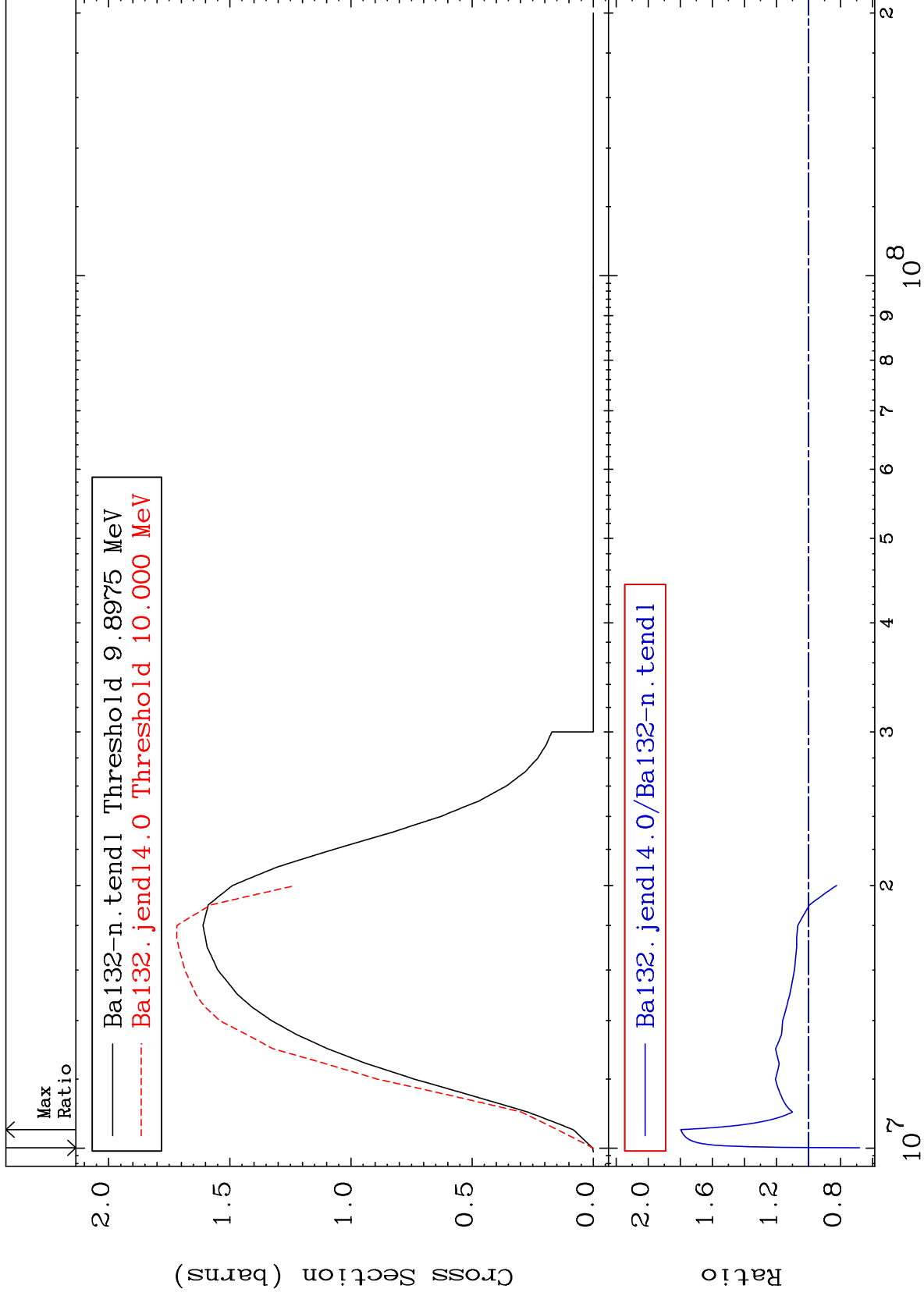
Incident Energy (eV)

56-Ba-132

MAT 5631

(n,2n)  
Cross Section

56-Ba-132  
-31.88 To 79.71 %



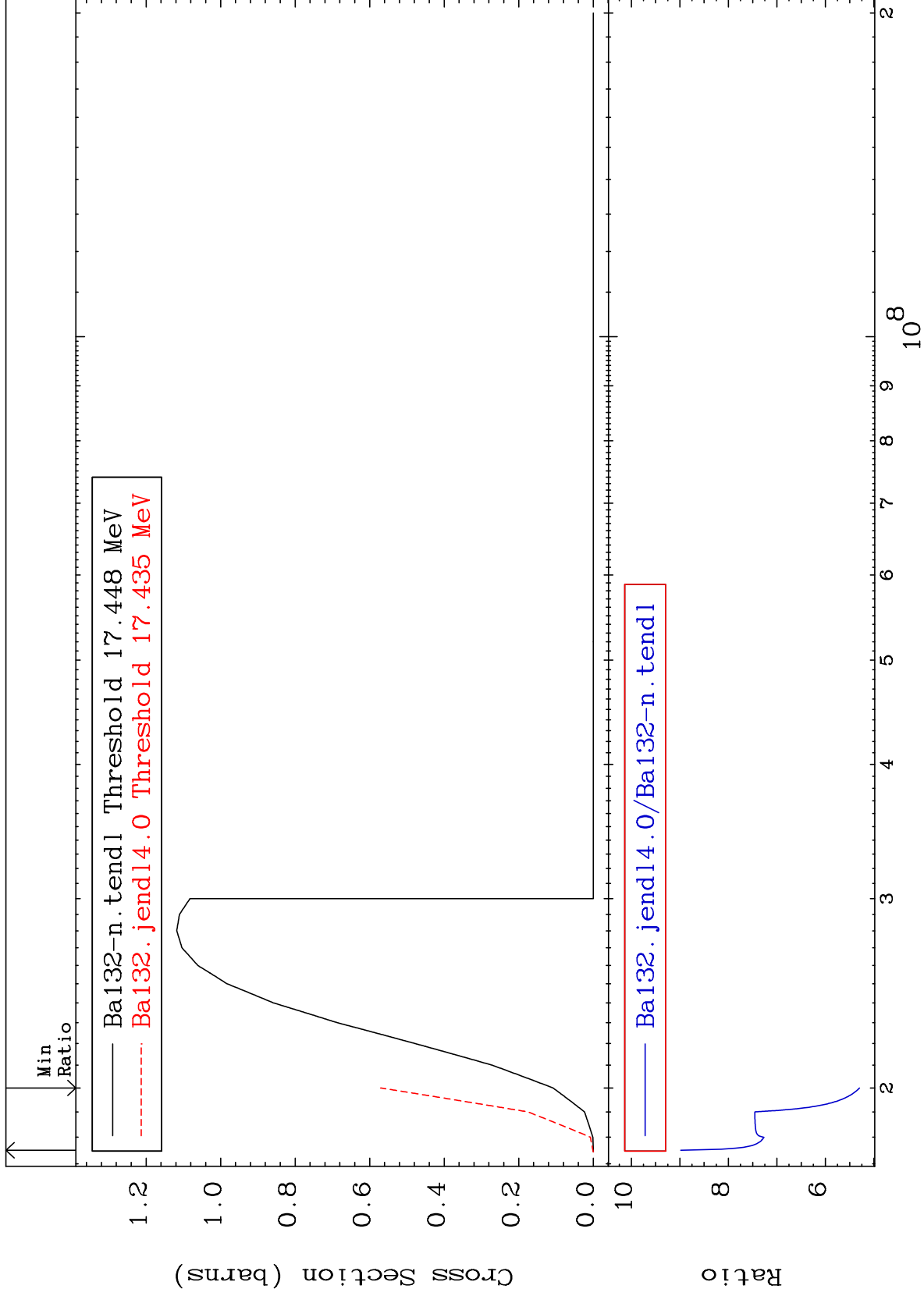
Incident Energy (eV)

56-Ba-132

MAT 5631

(n,3n)  
Cross Section

56-Ba-132  
429.6 To 798.2 %



5

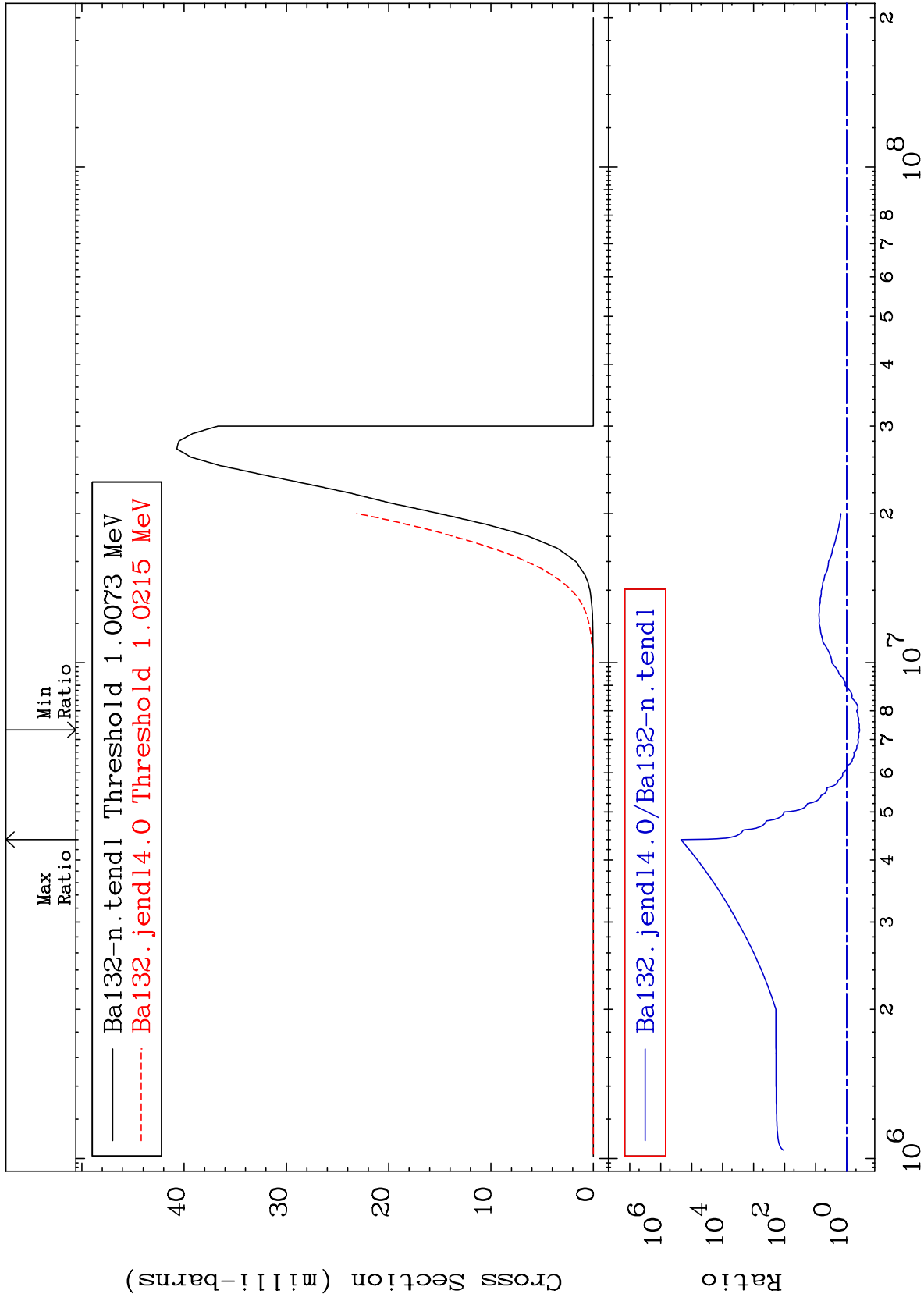
56-Ba-132

56-Ba-132

MAT 5631

(n, n')  $\alpha$   
Cross Section

56-Ba-132  
-61.66 To 9999. %



56-Ba-132

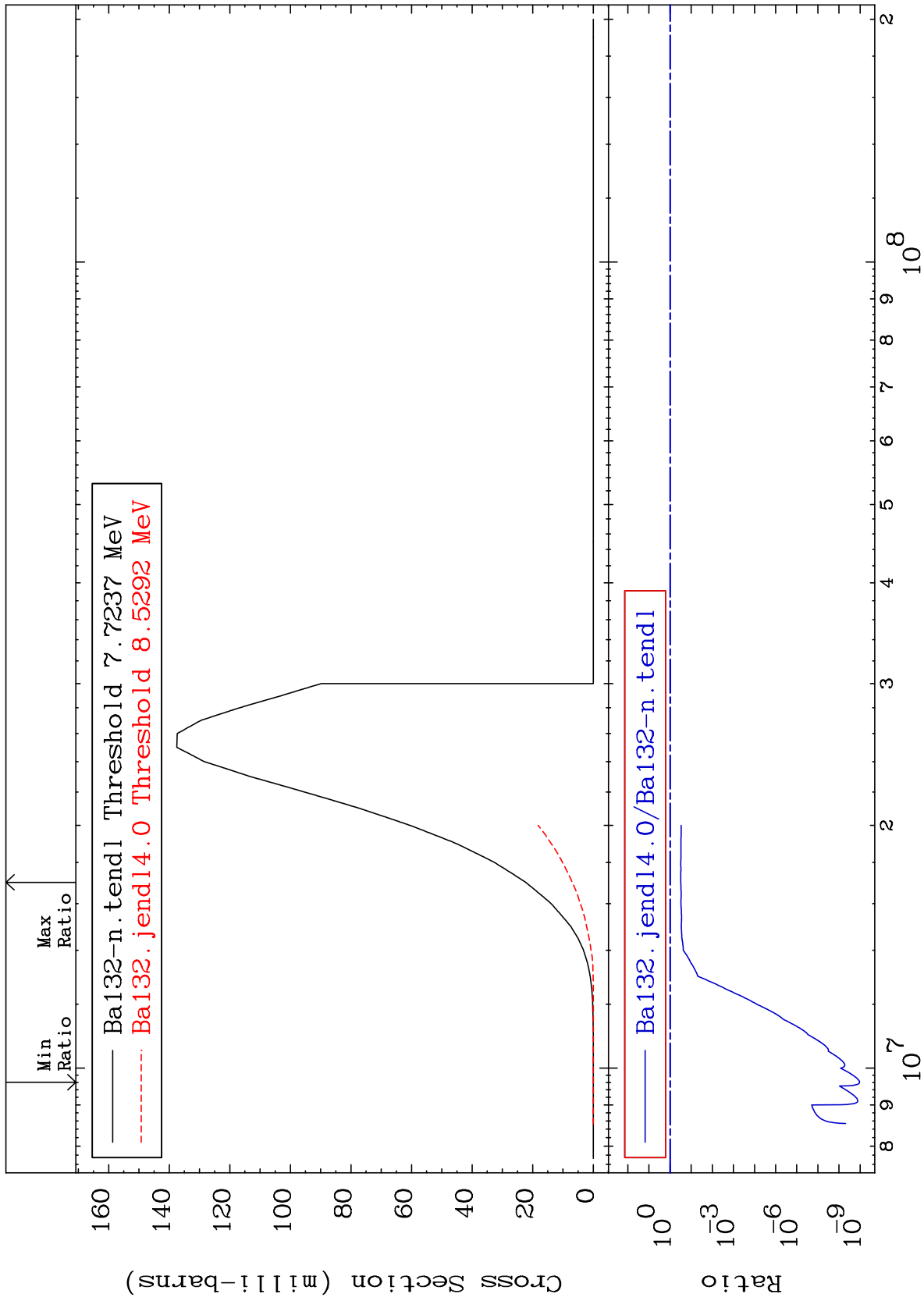
Incident Energy (eV)

6

MAT 5631

(n,n') p  
Cross Section

56-Ba-132  
-100.0 To -68.83%



7

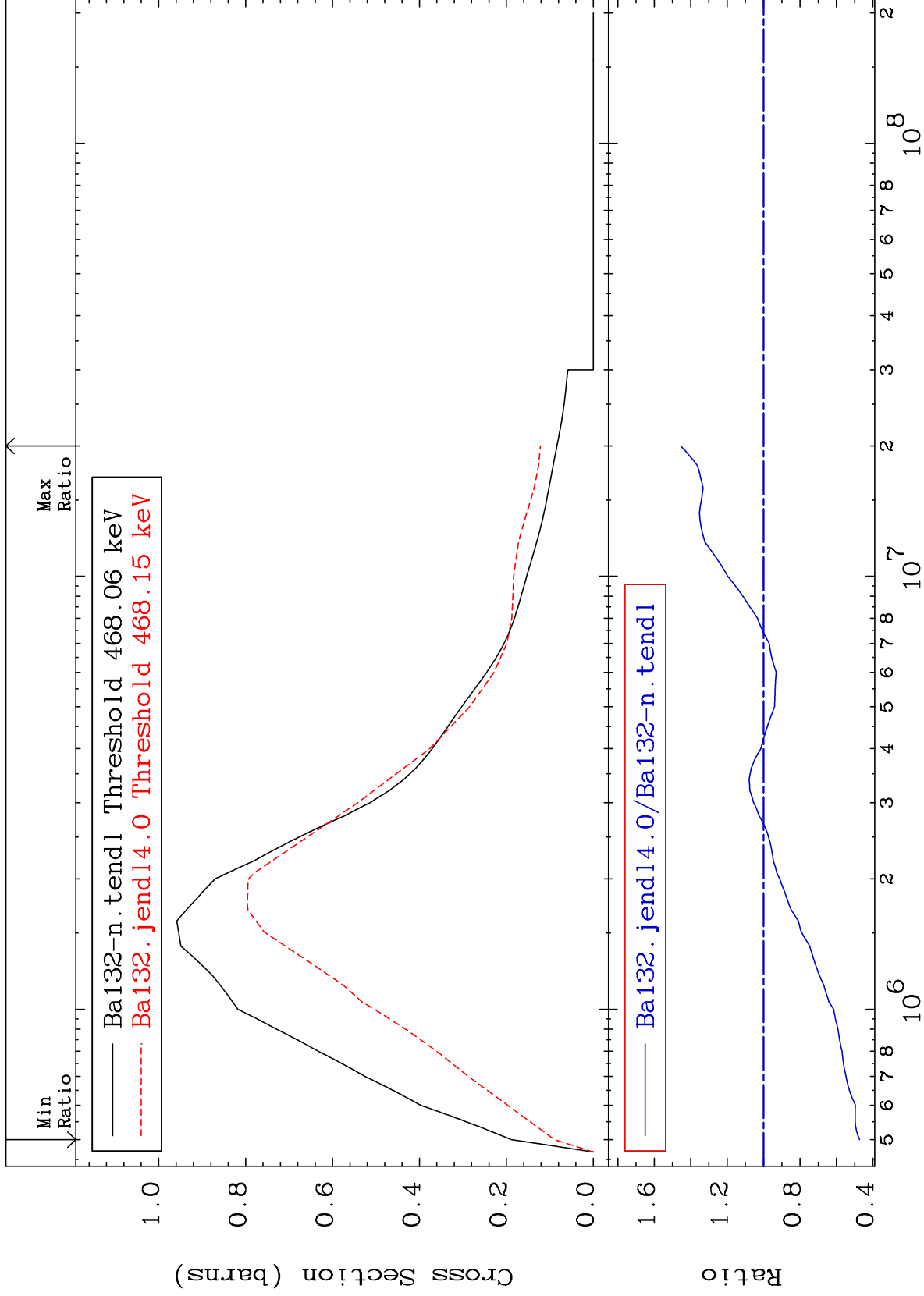
Incident Energy (eV)

56-Ba-132

MAT 5631

464.5 keV (n,n') Level  
Cross Section

56-Ba-132  
-52.65 To 45.43 %

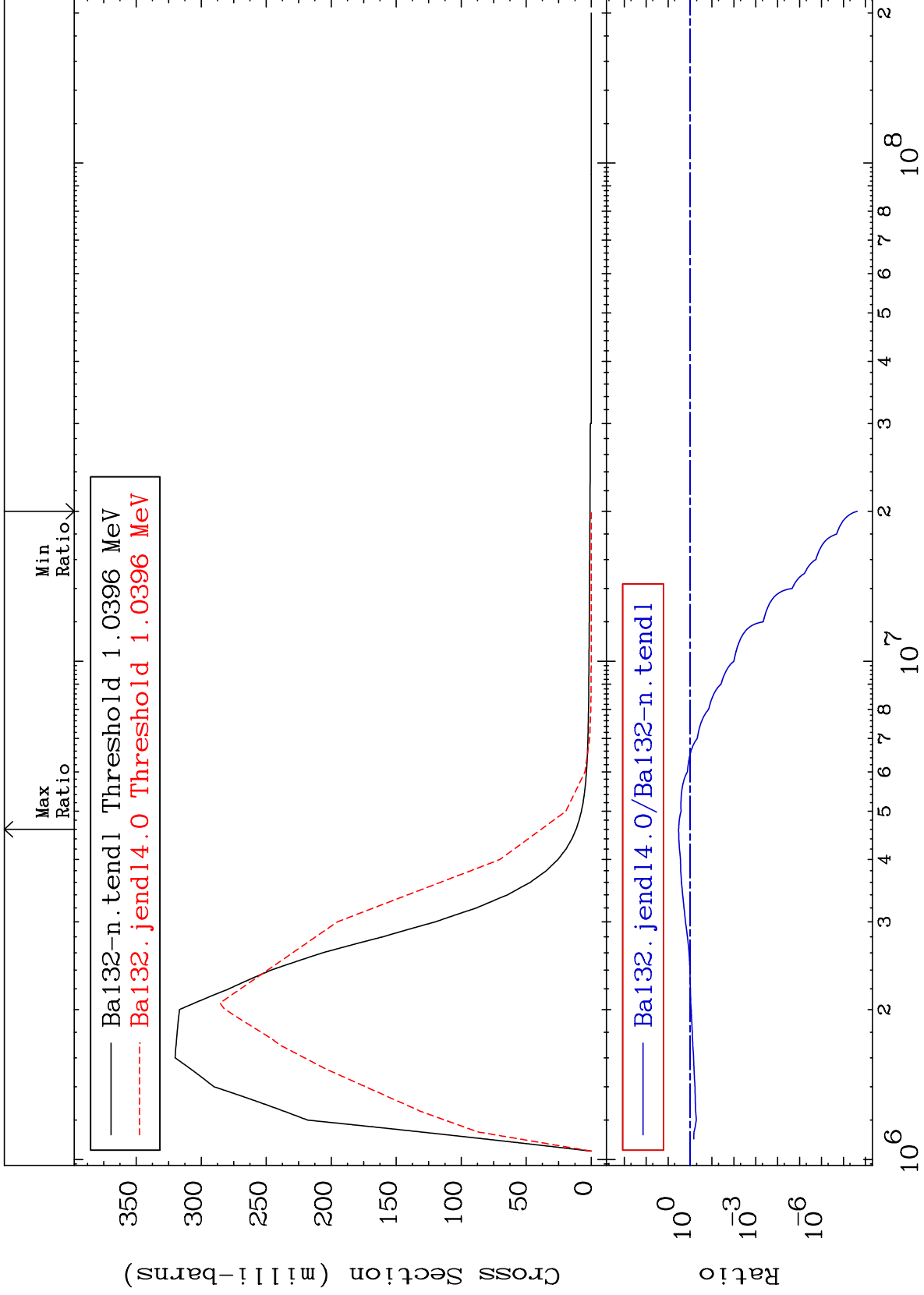




MAT 5631

1.032 MeV (n,n') Level  
Cross Section

56-Ba-132  
-100.0 To 231.8 %



9

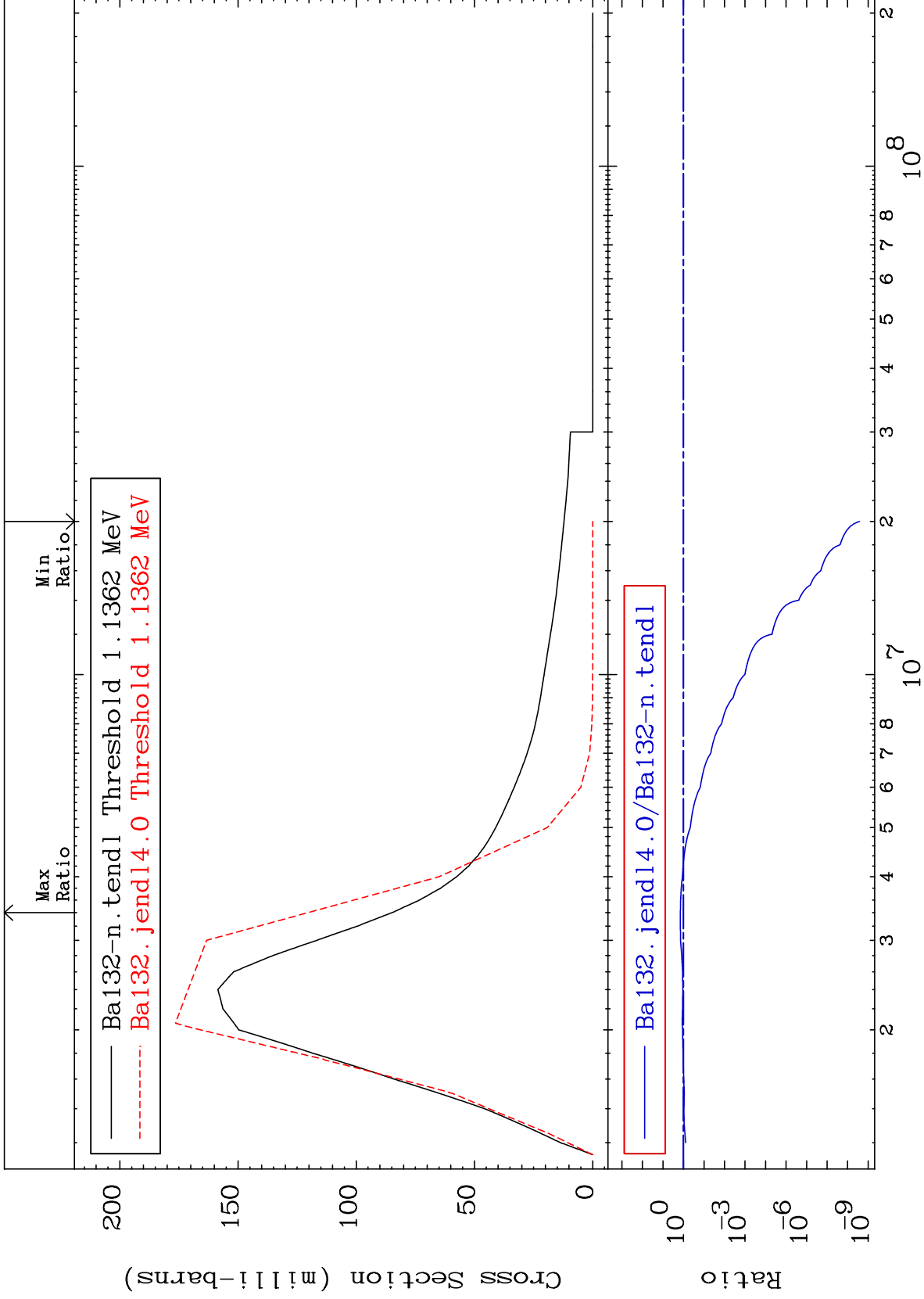
Incident Energy (eV)

56-Ba-132

MAT 5631

1.128 MeV (n,n') Level  
Cross Section

56-Ba-132  
-100.0 To 42.07 %



10

Incident Energy (eV)

56-Ba-132

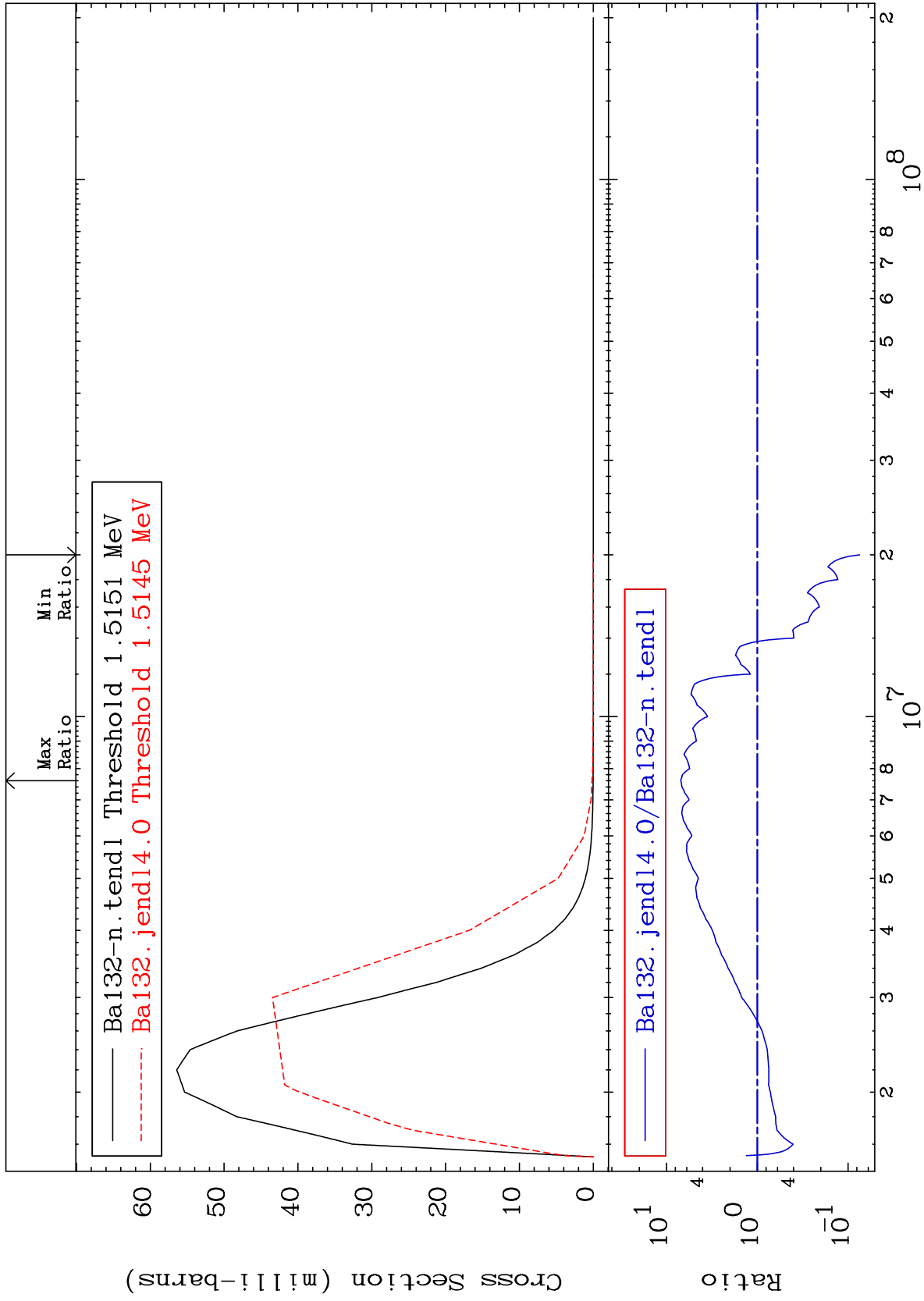
MAT 5631

1.504 MeV (n,n') Level

56-Ba-132

-92.52 To 596.9 %

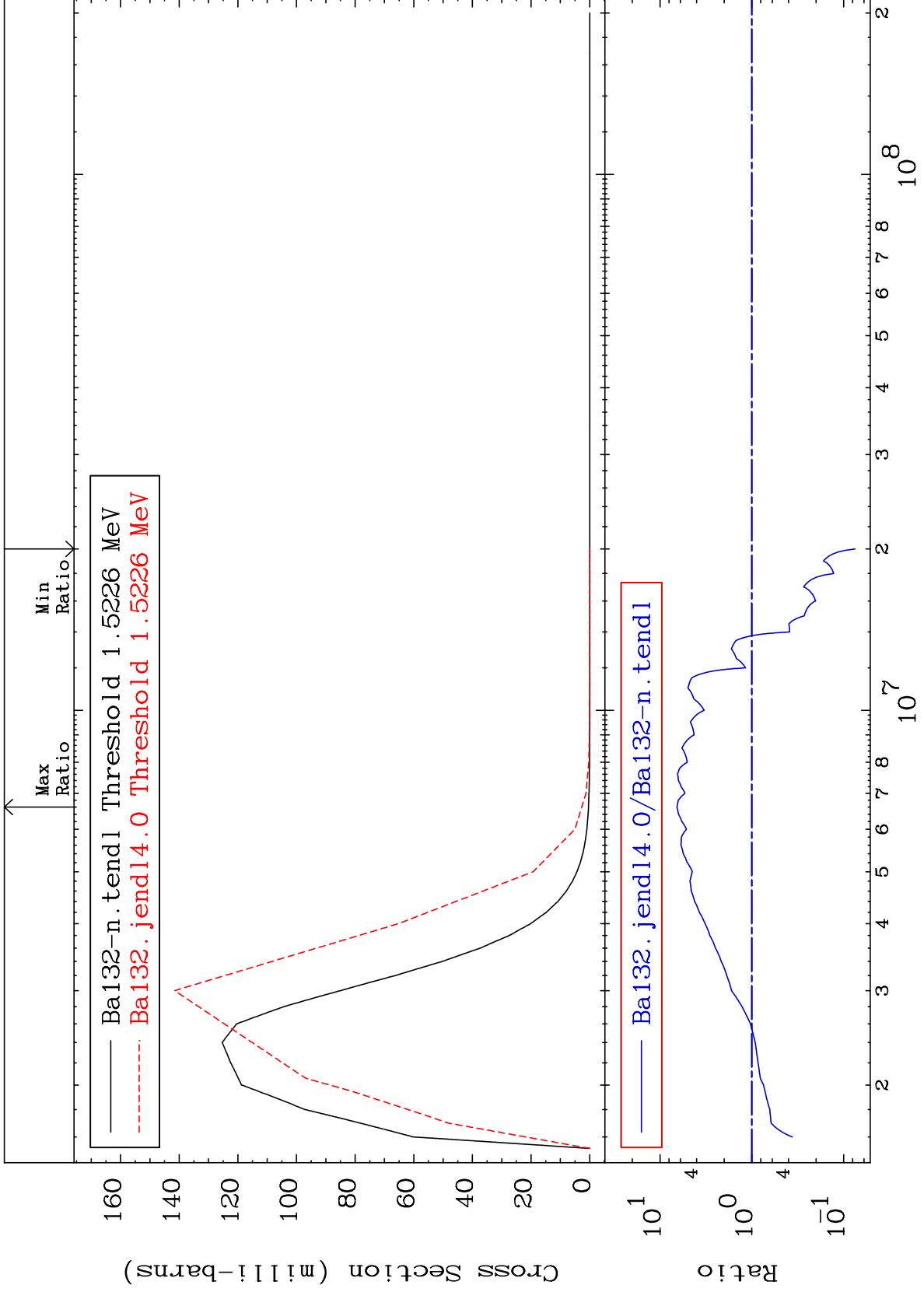
Cross Section



MAT 5631

1.511 MeV (n,n') Level  
Cross Section

56-Ba-132  
-92.48 To 554.3 %



12

Incident Energy (eV)

56-Ba-132

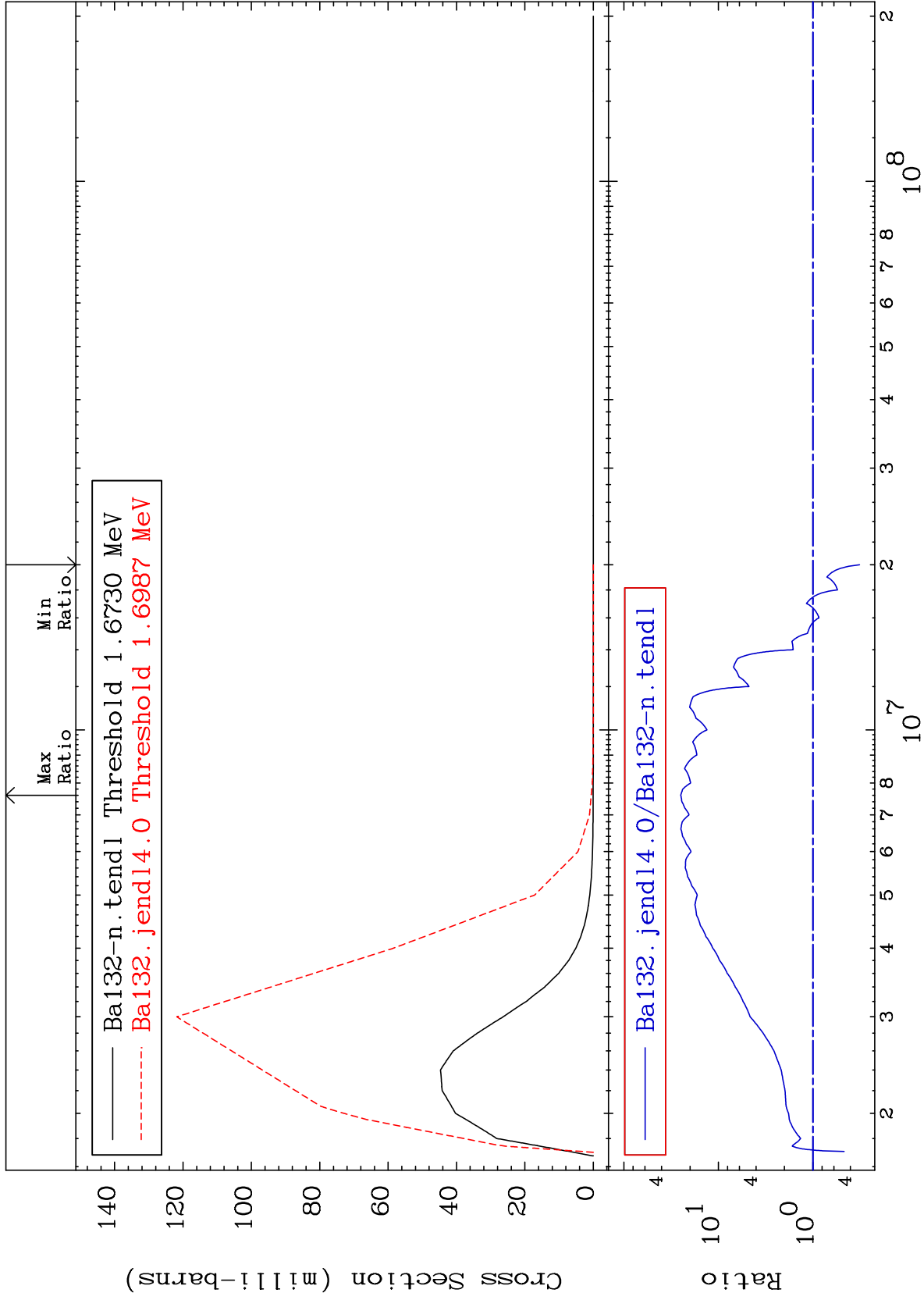
MAT 5631

1.660 MeV (n,n') Level

56-Ba-132

-67.93 To 2405. %

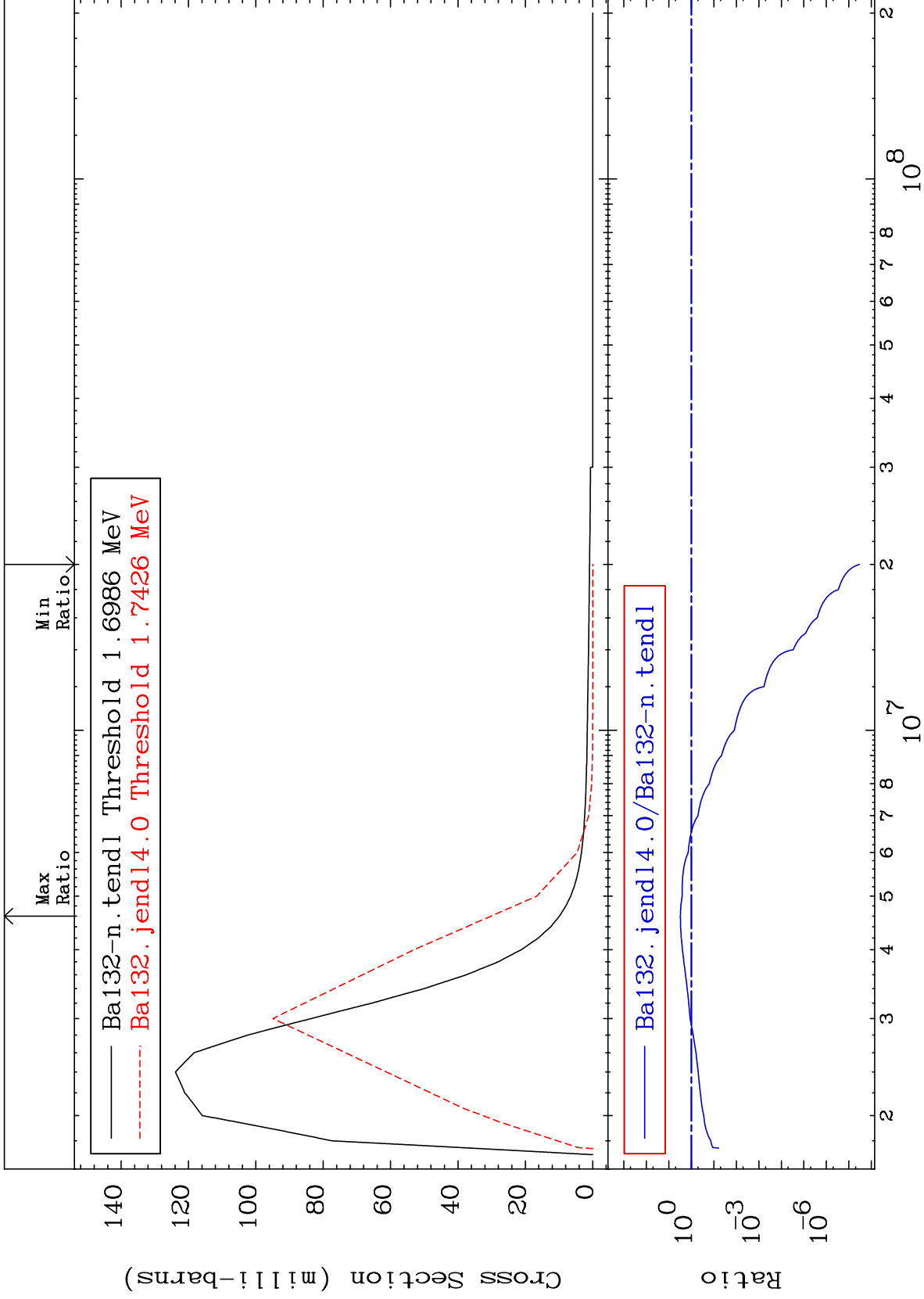
Cross Section



MAT 5631

1.686 MeV (n,n') Level  
Cross Section

56-Ba-132  
-100.0 To 206.6 %



14

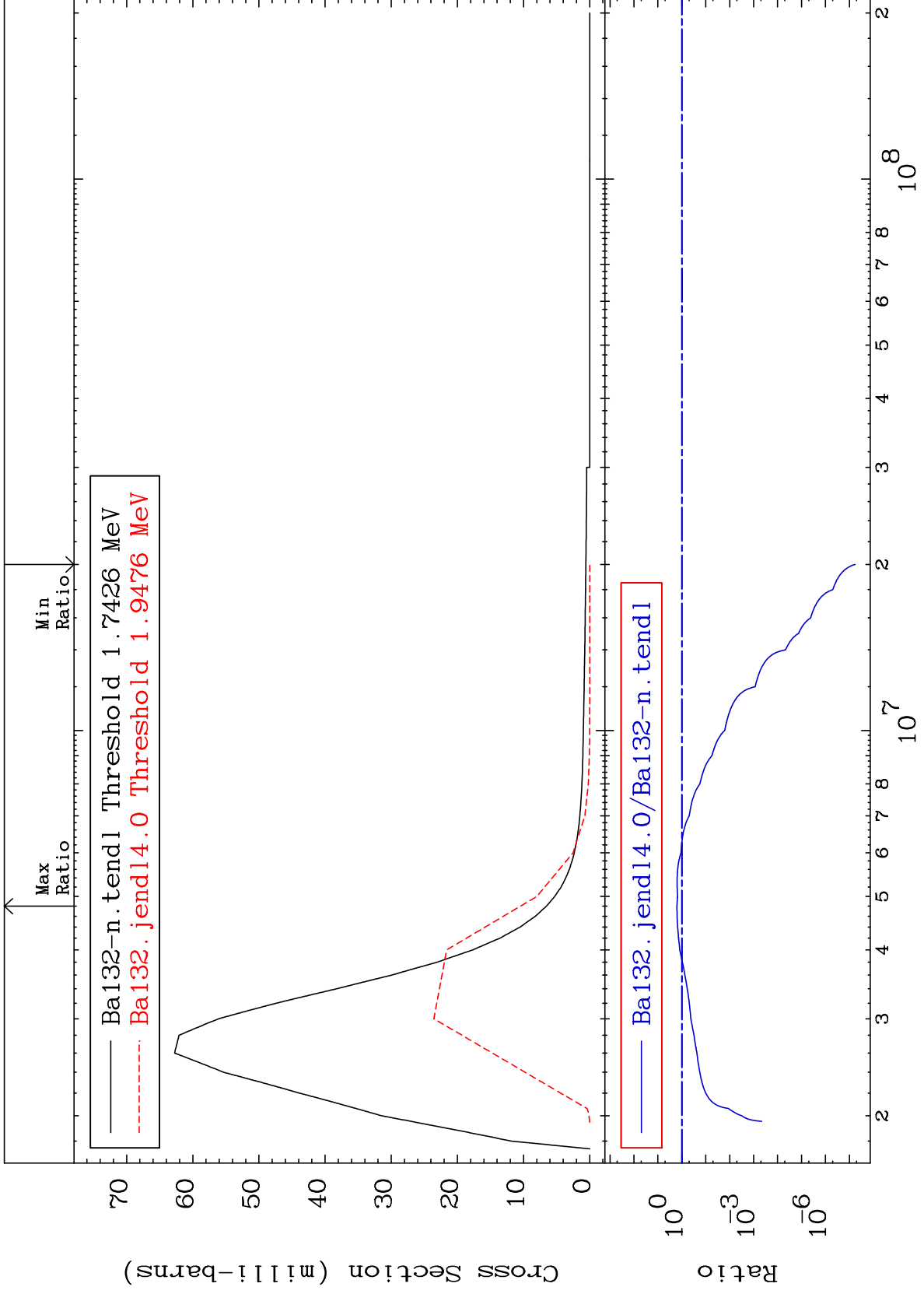
Incident Energy (eV)

56-Ba-132

MAT 5631

1.729 MeV (n,n') Level  
Cross Section

56-Ba-132  
-100.0 To 60.12 %



15

Incident Energy (eV)

56-Ba-132

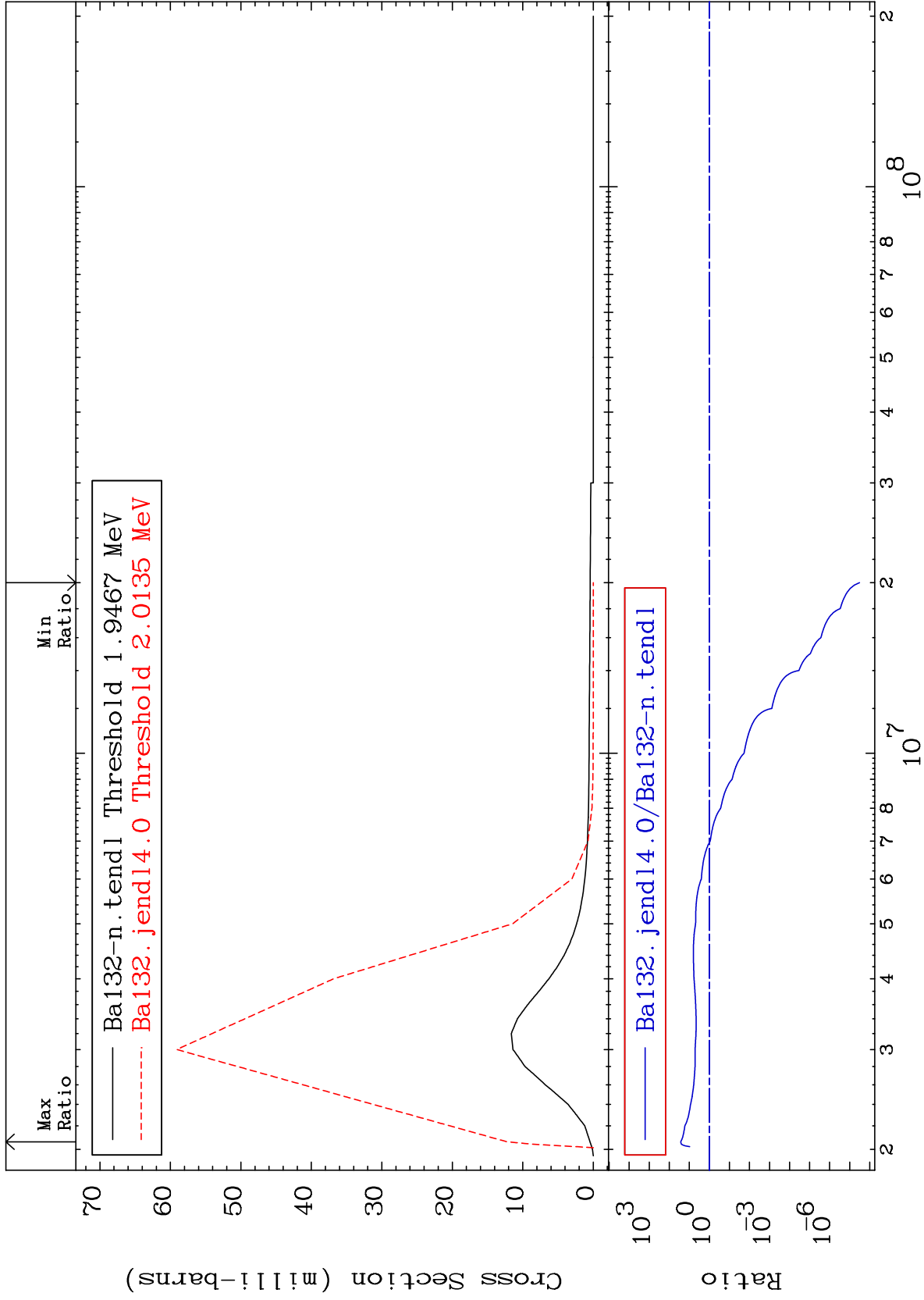
MAT 5631

1.932 MeV (n,n') Level

56-Ba-132

-100.0 To 2575. %

Cross Section



16

Incident Energy (eV)

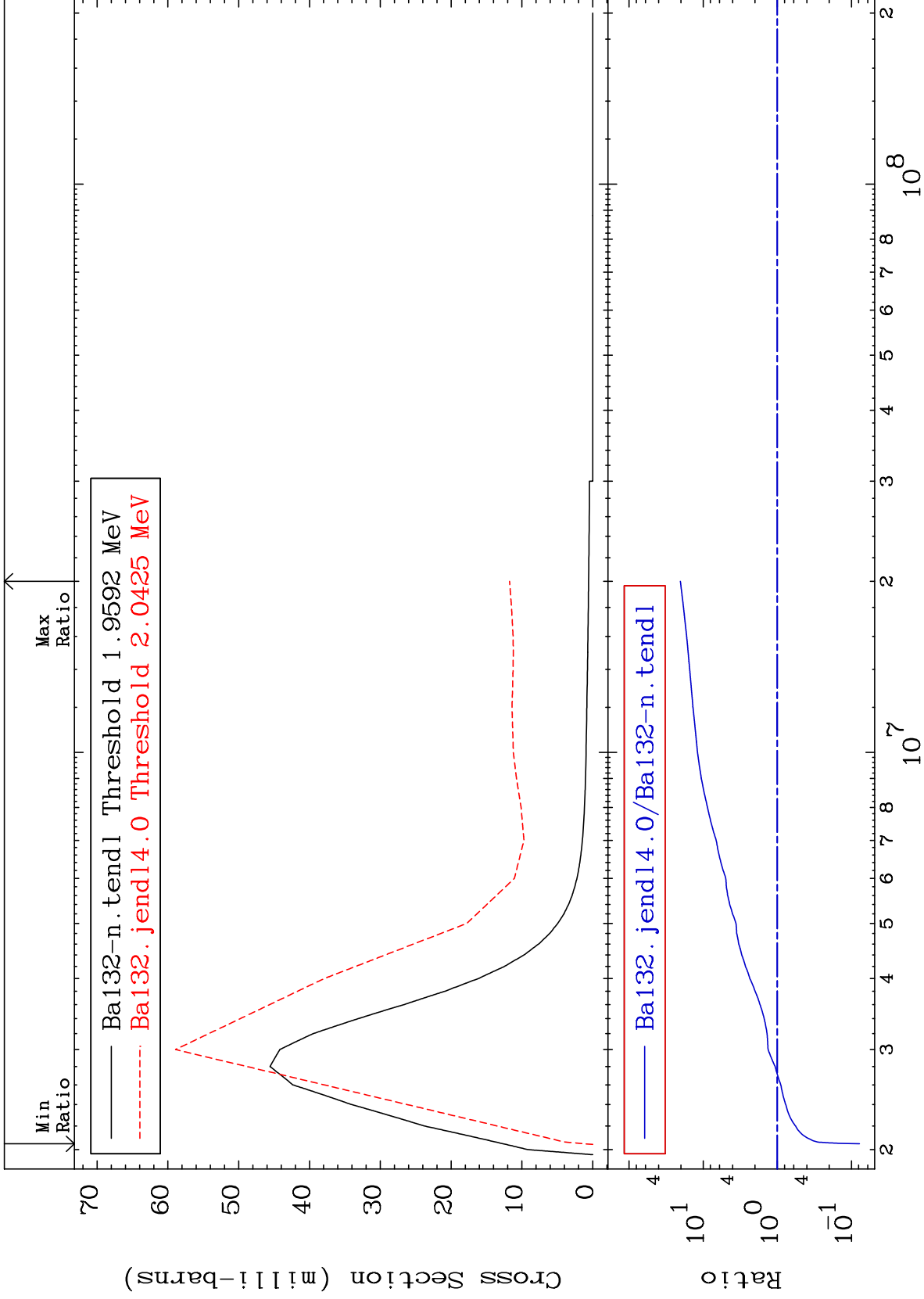
56-Ba-132



MAT 5631

1.944 MeV (n,n') Level  
Cross Section

56-Ba-132  
-92.20 To 1931. %



17

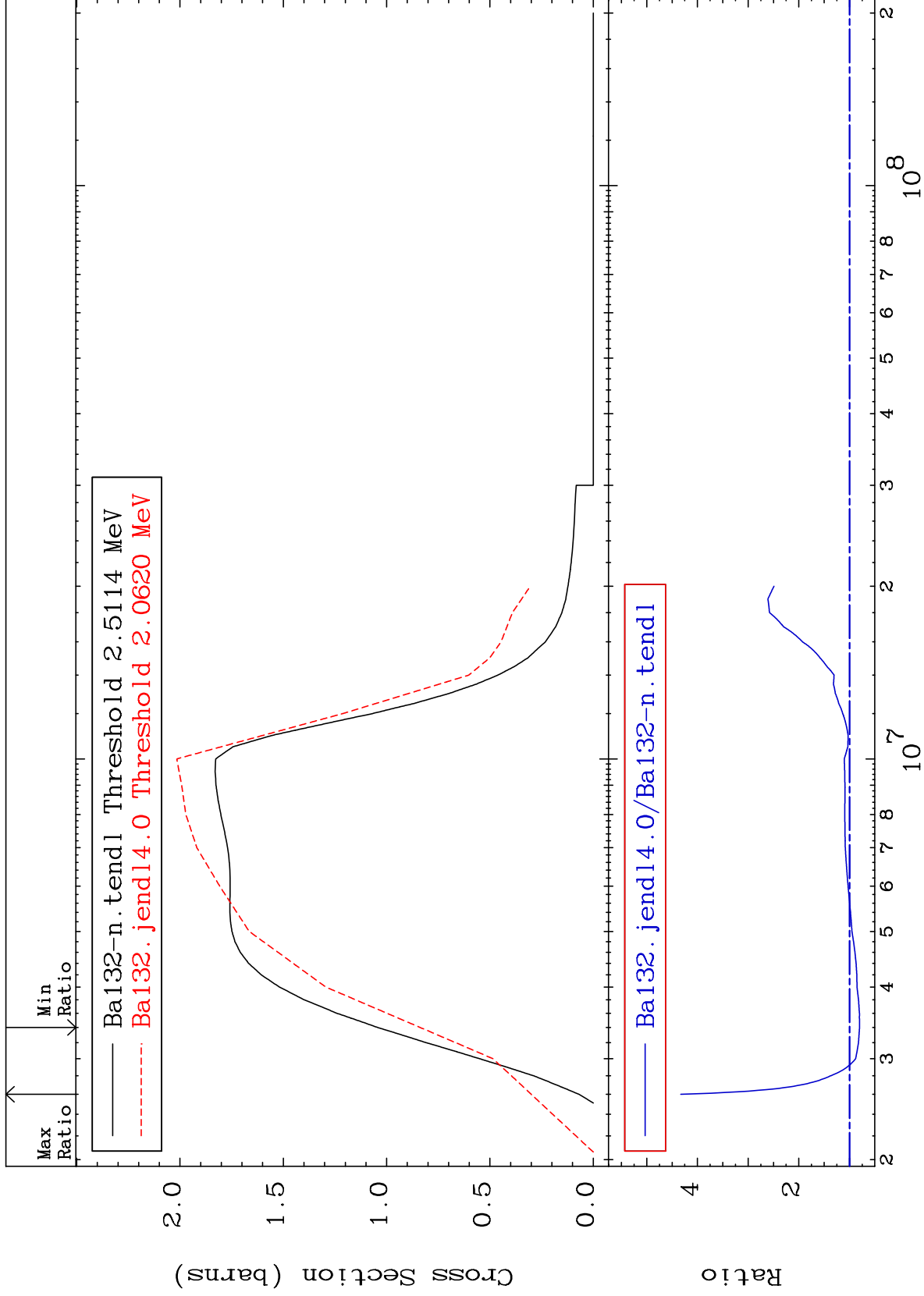
Incident Energy (eV)

56-Ba-132

MAT 5631

(n, n') Continuum  
Cross Section

56-Ba-132  
-19.75 To 332.9 %



18

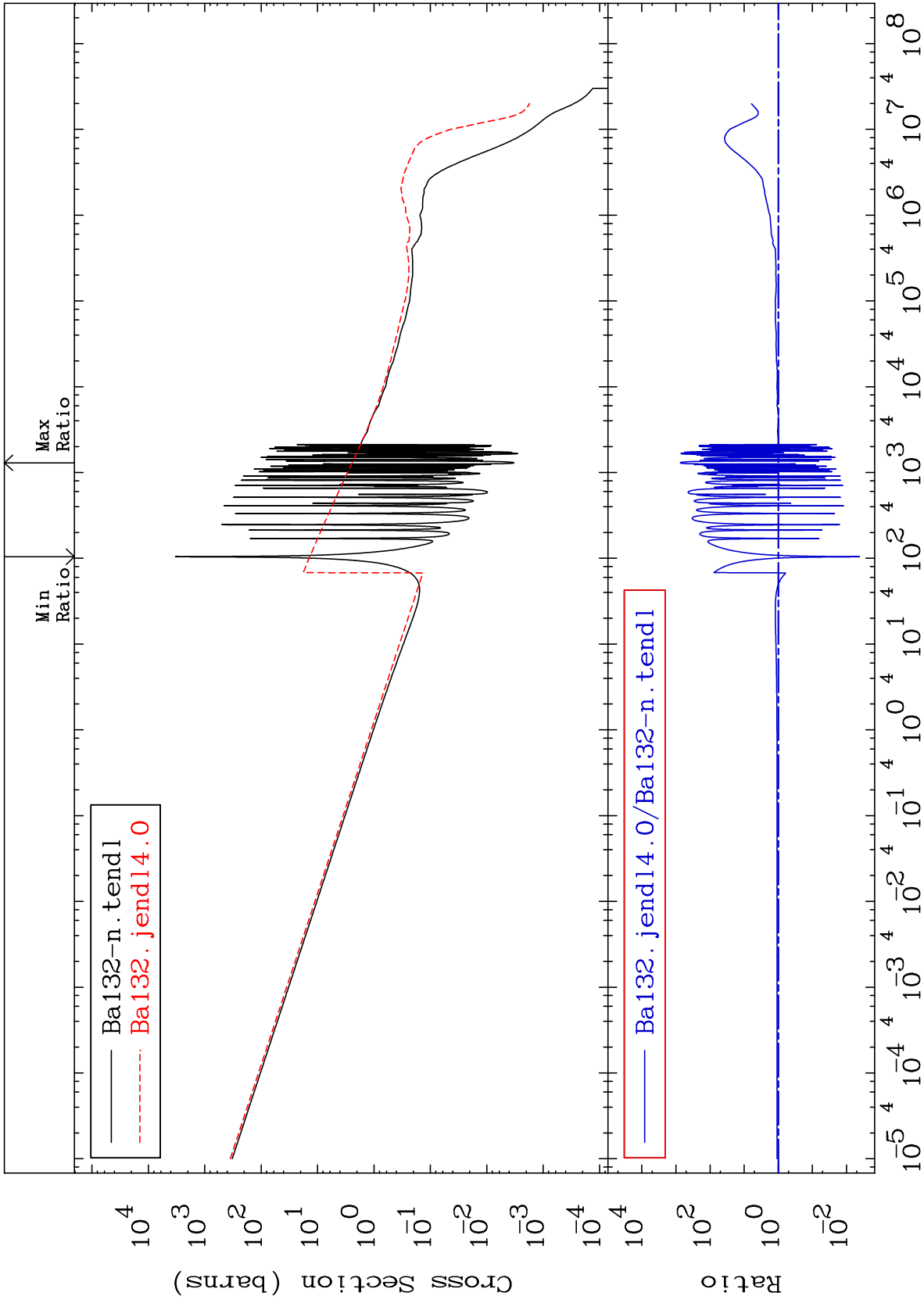
Incident Energy (eV)

56-Ba-132

MAT 5631

(n,  $\gamma$ )  
Cross Section

56-Ba-132  
-99.58 To 9999. %



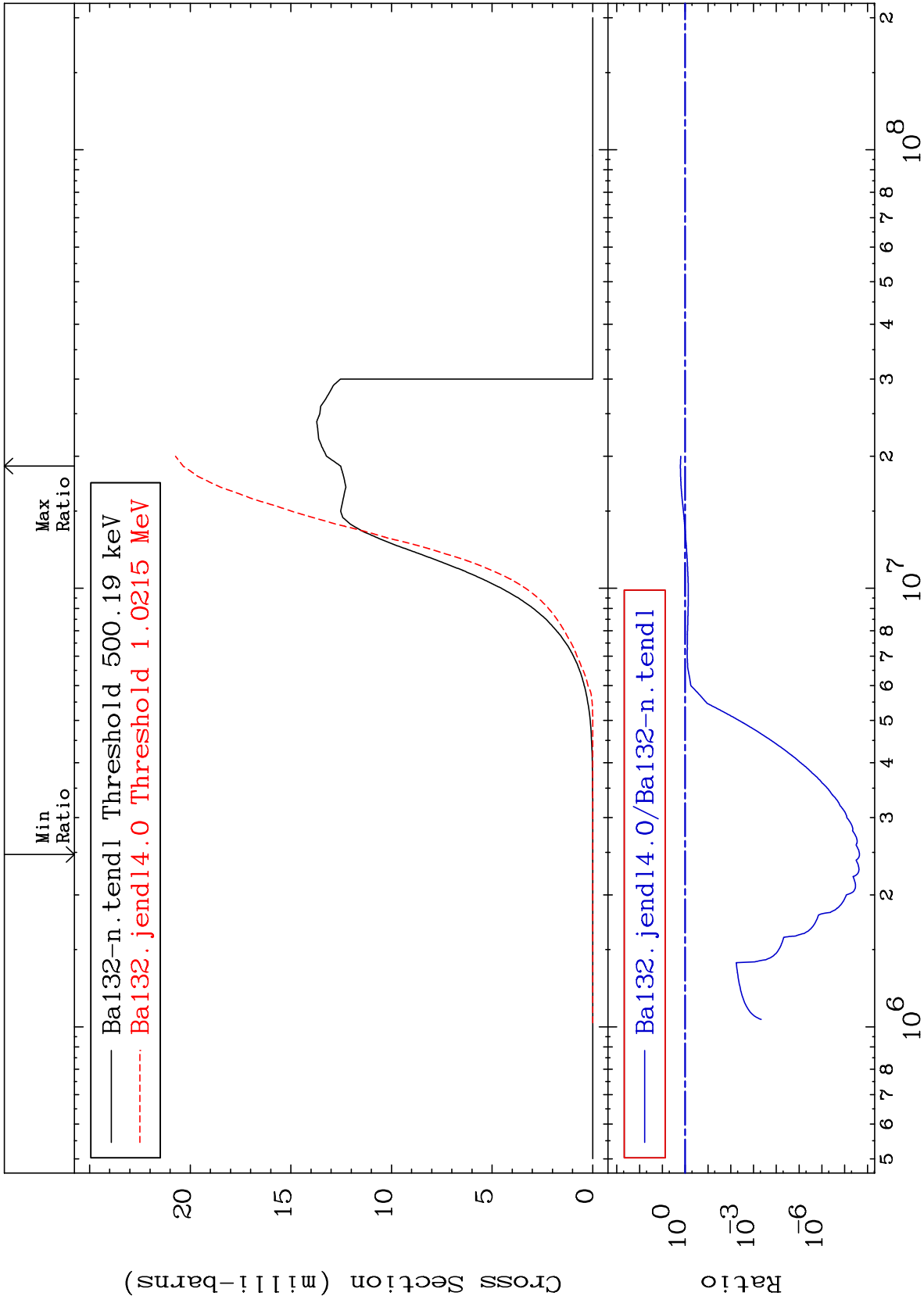
19

Incident Energy (eV)

56-Ba-132

MAT 5631

(n,p)  
Cross Section  
56-Ba-132  
-100.0 To 62.50 %



20

56-Ba-132

56-Ba-132

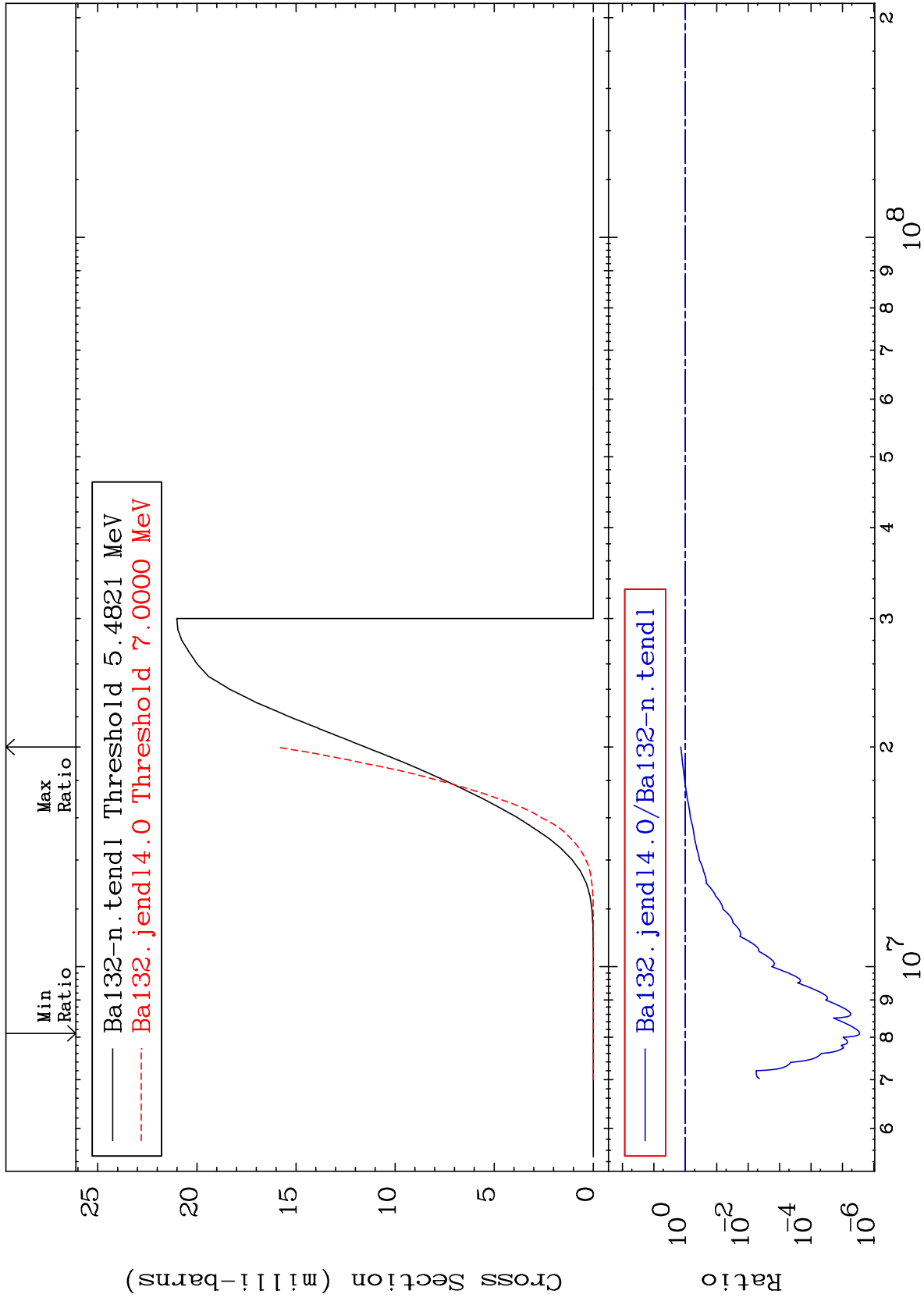
MAT 5631

(n, d)

56-Ba-132

Cross Section

-100.0 To 38.91 %



21

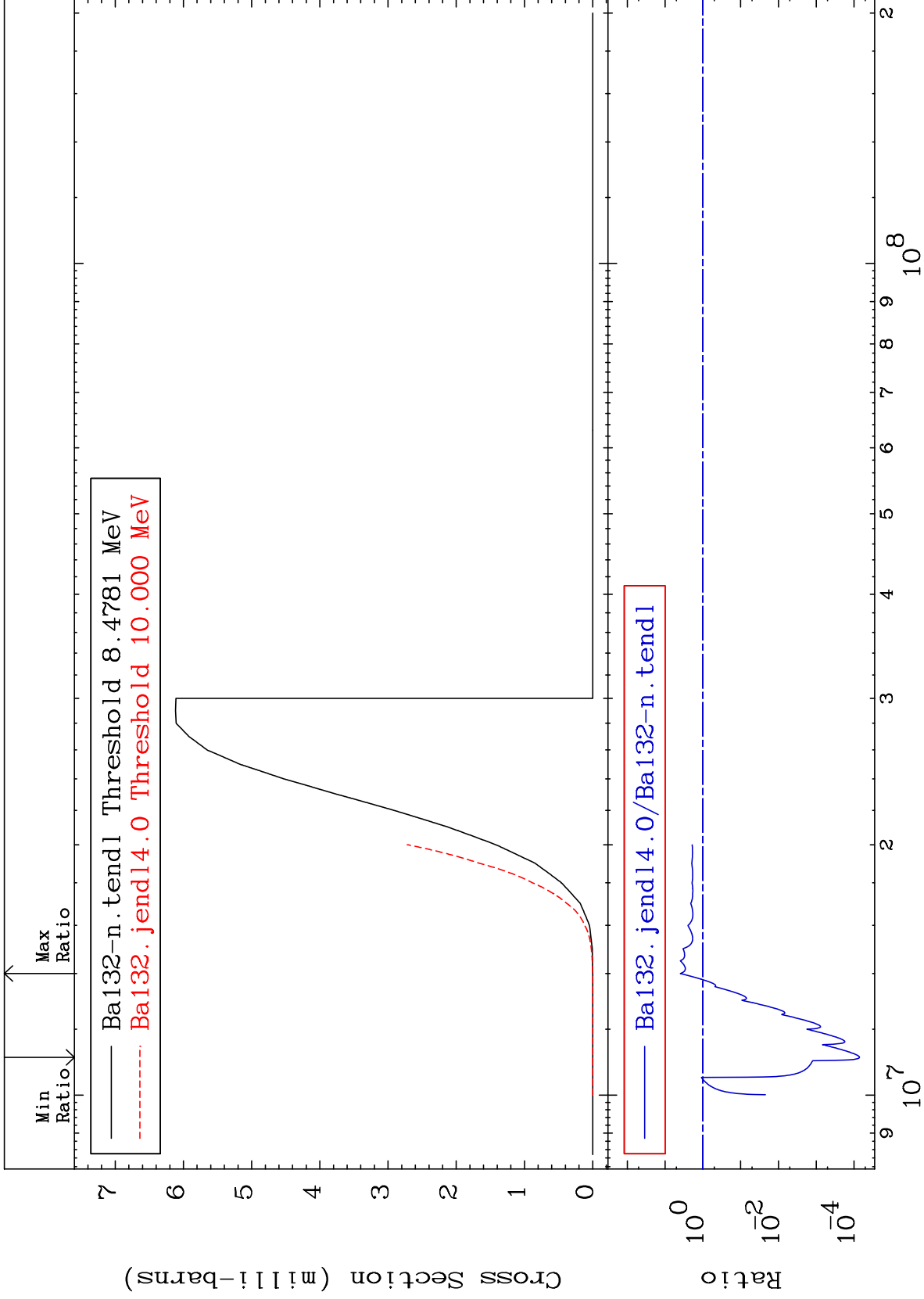
Incident Energy (eV)

56-Ba-132

MAT 5631

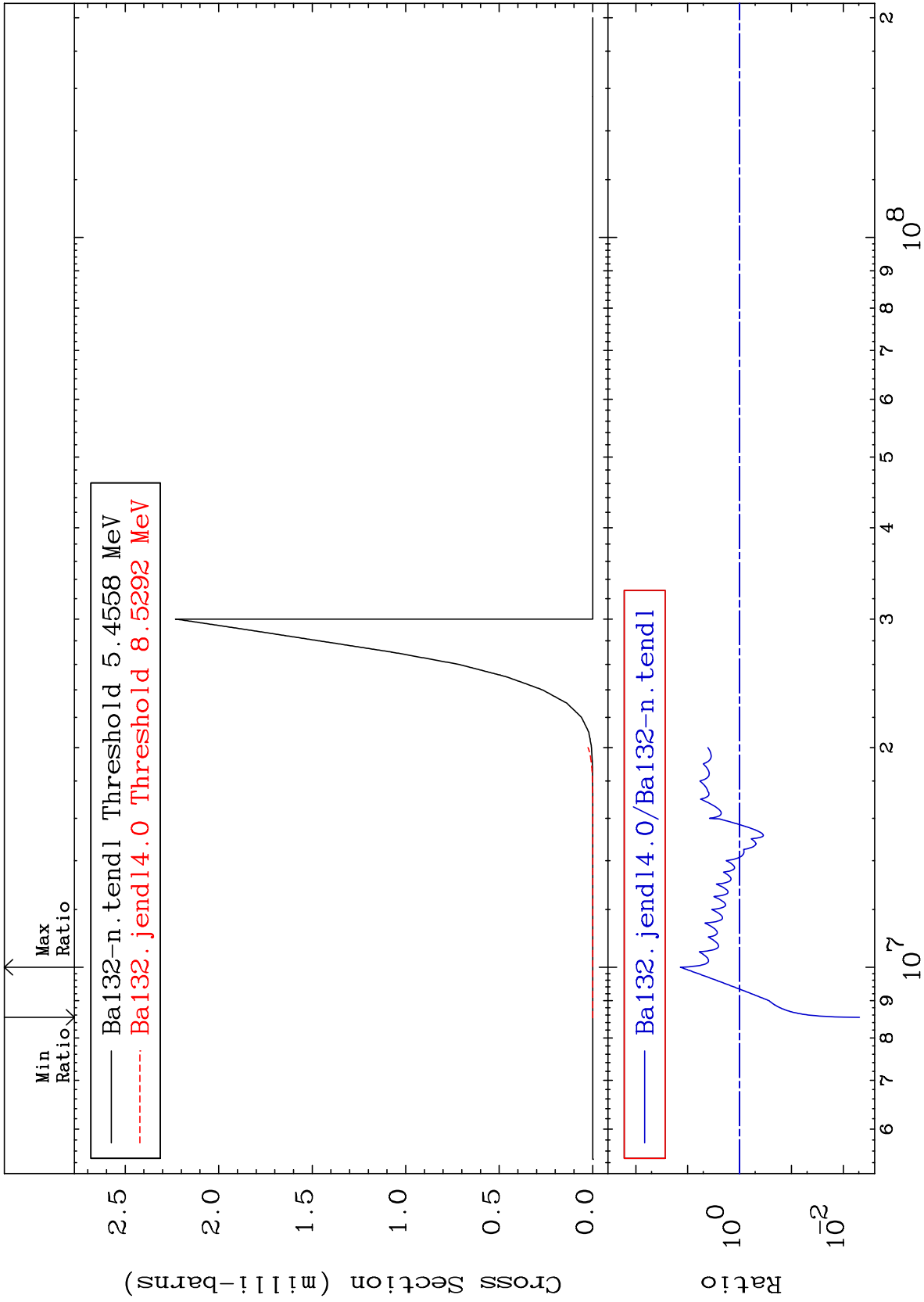
(n, t)  
Cross Section

56-Ba-132  
-99.99 To 293.9 %



Cross Section

-99.51 To 1285. %



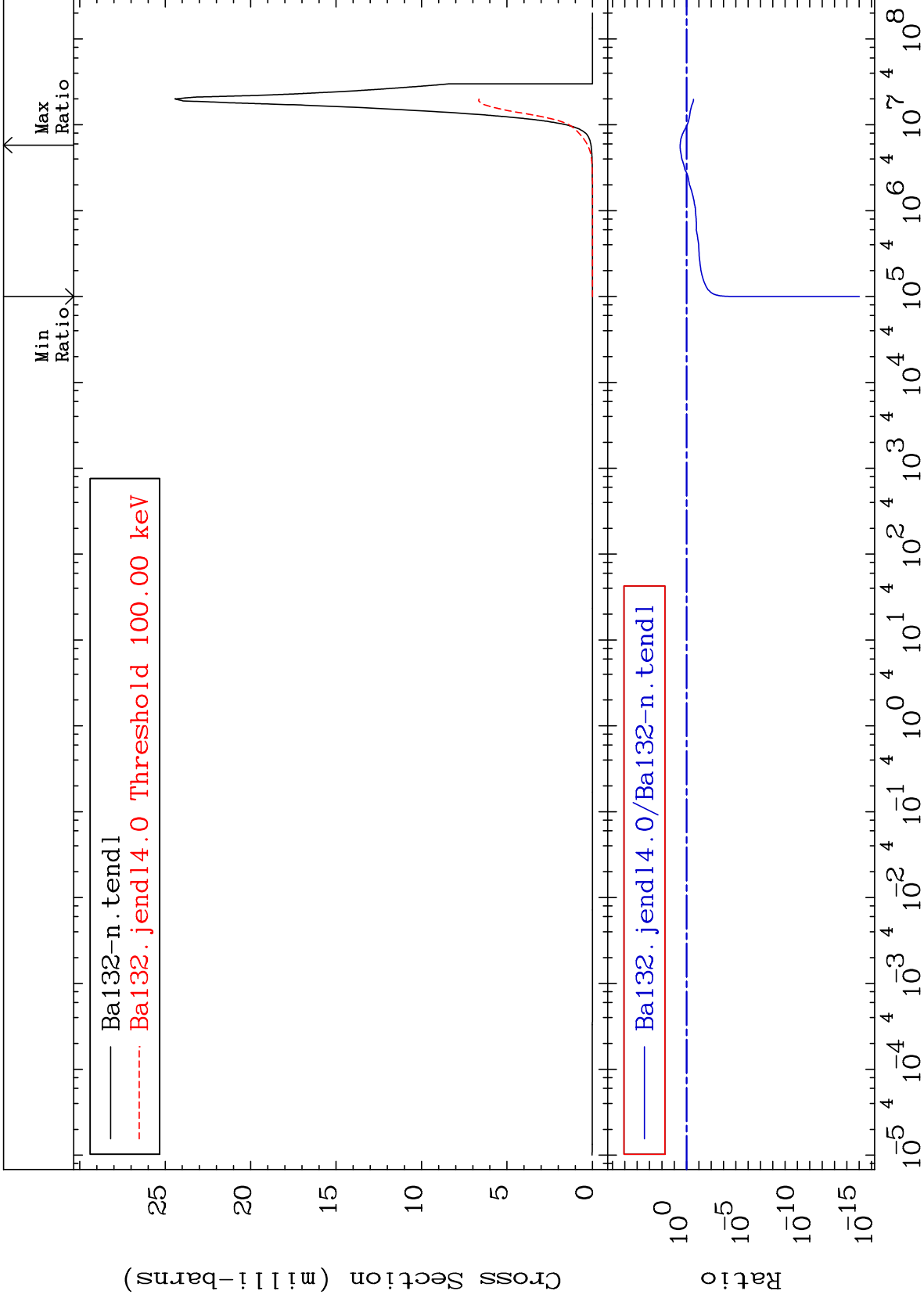
MAT 5631

(n,  $\alpha$ )

56-Ba-132

Cross Section

-100.0 To 228.2 %

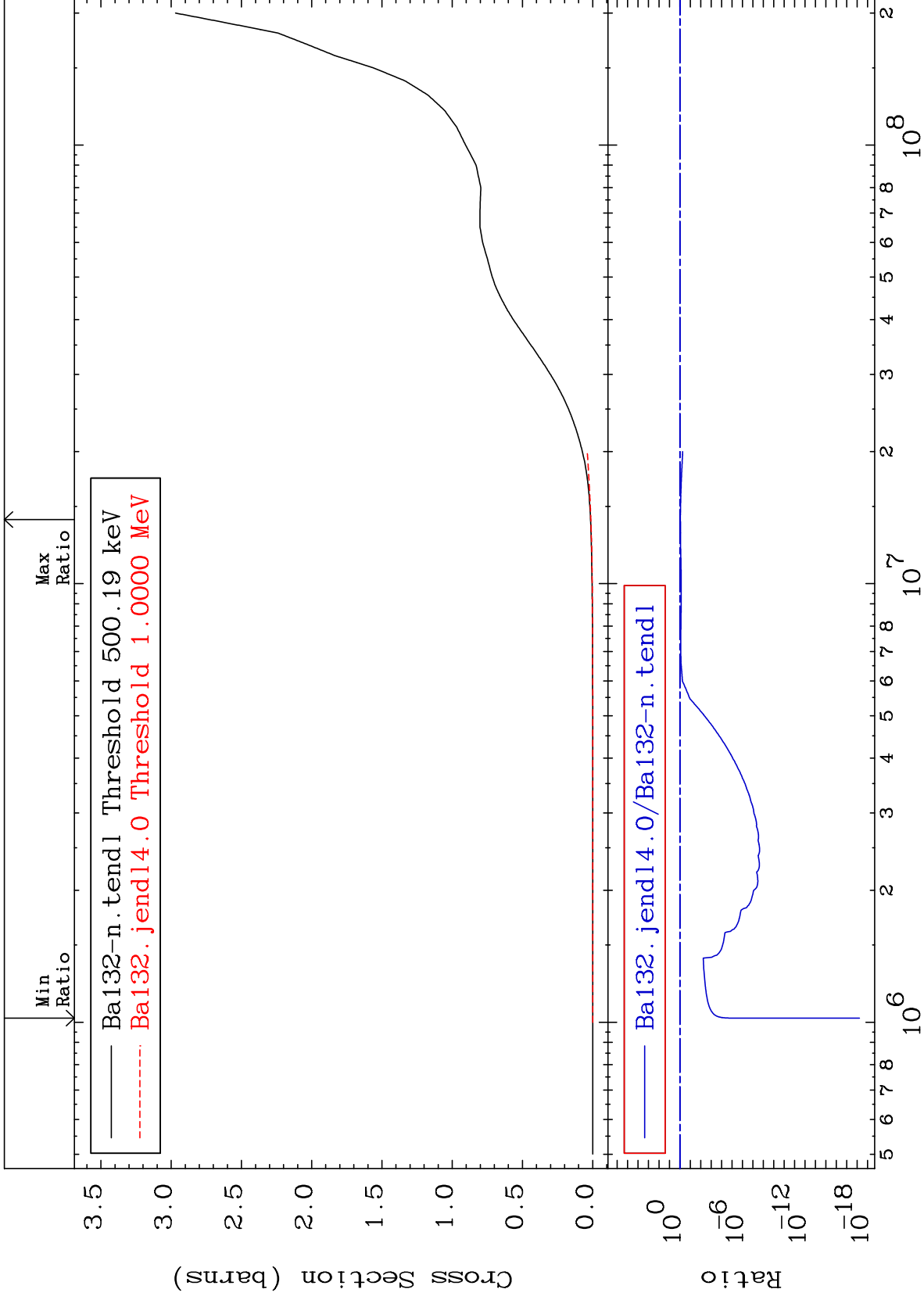


24

Incident Energy (eV)

56-Ba-132

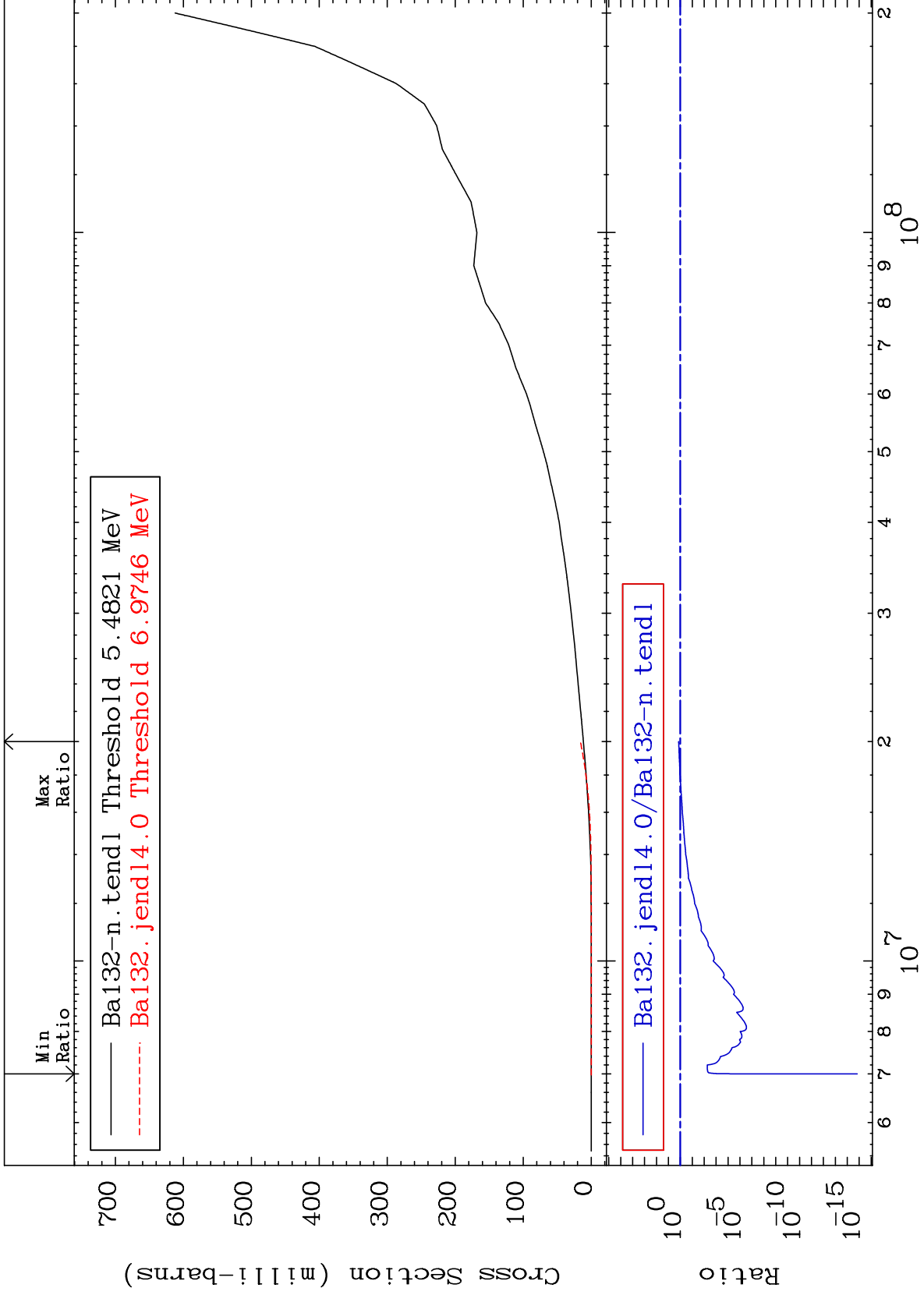




MAT 5631

Deuterium Production  
Cross Section

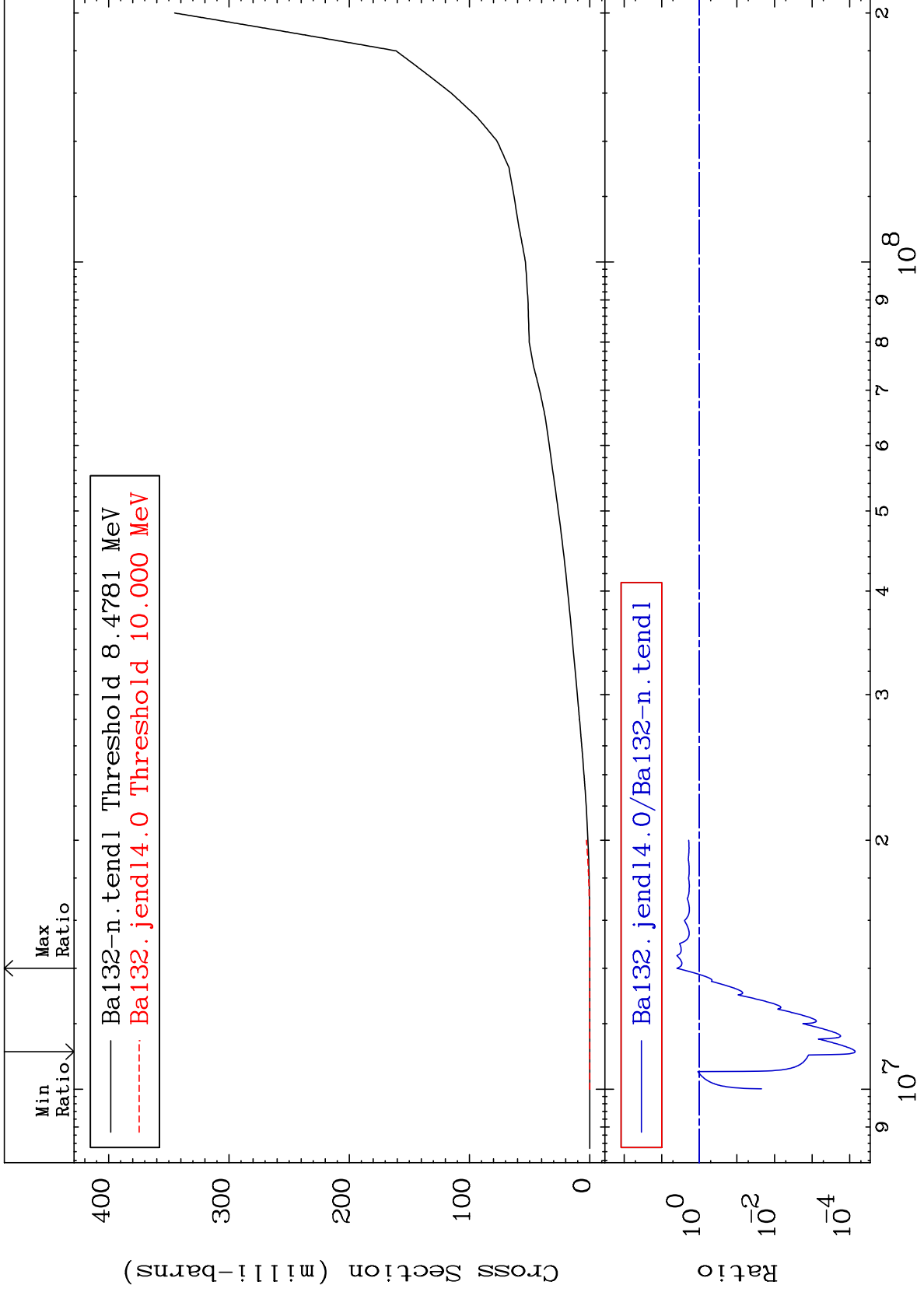
56-Ba-132  
-100.0 To 38.87 %



MAT 5631

Tritium Production  
Cross Section

56-Ba-132  
-99.99 To 293.9 %



27

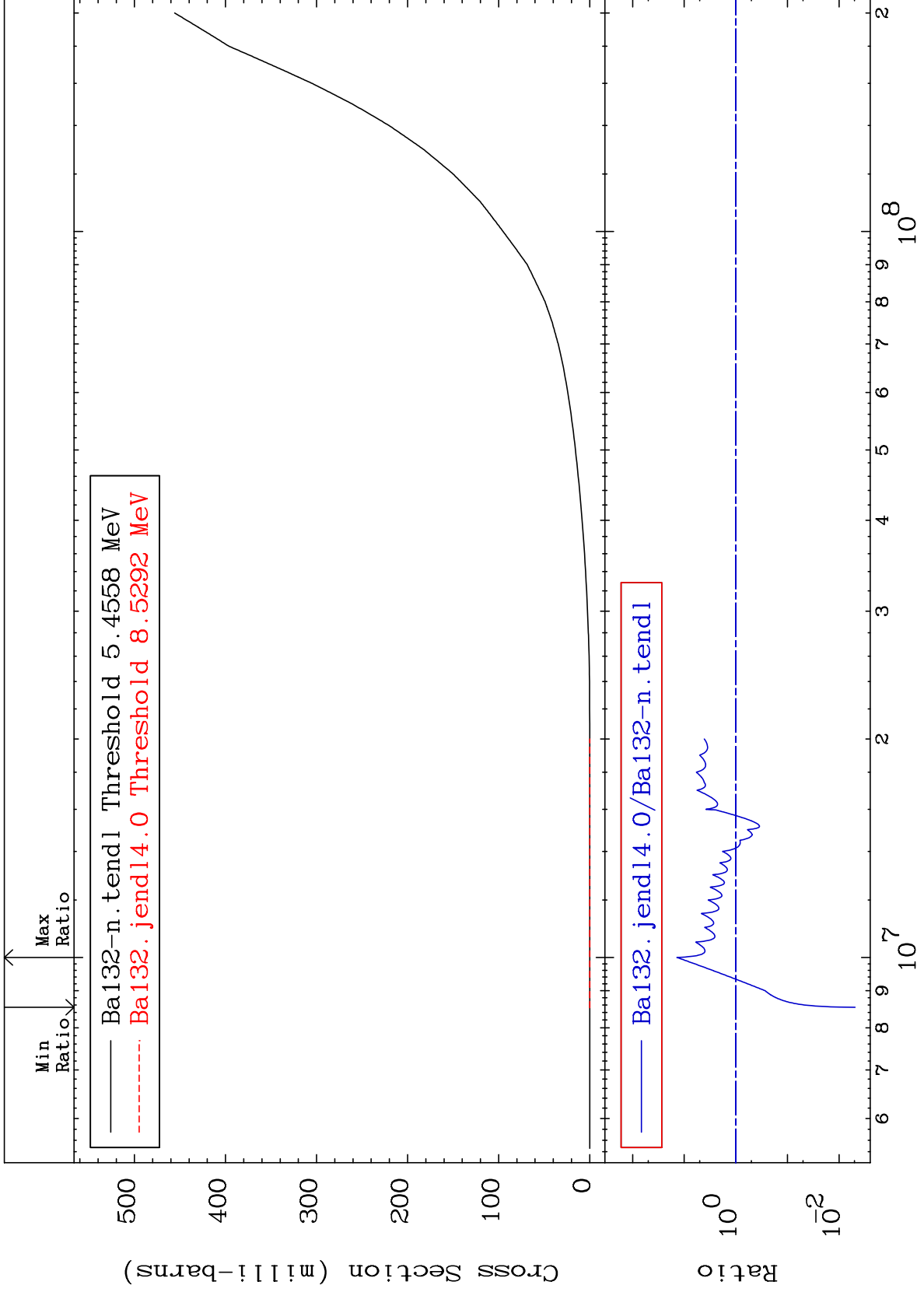
Incident Energy (eV)

56-Ba-132

MAT 5631

He-3 Production  
Cross Section

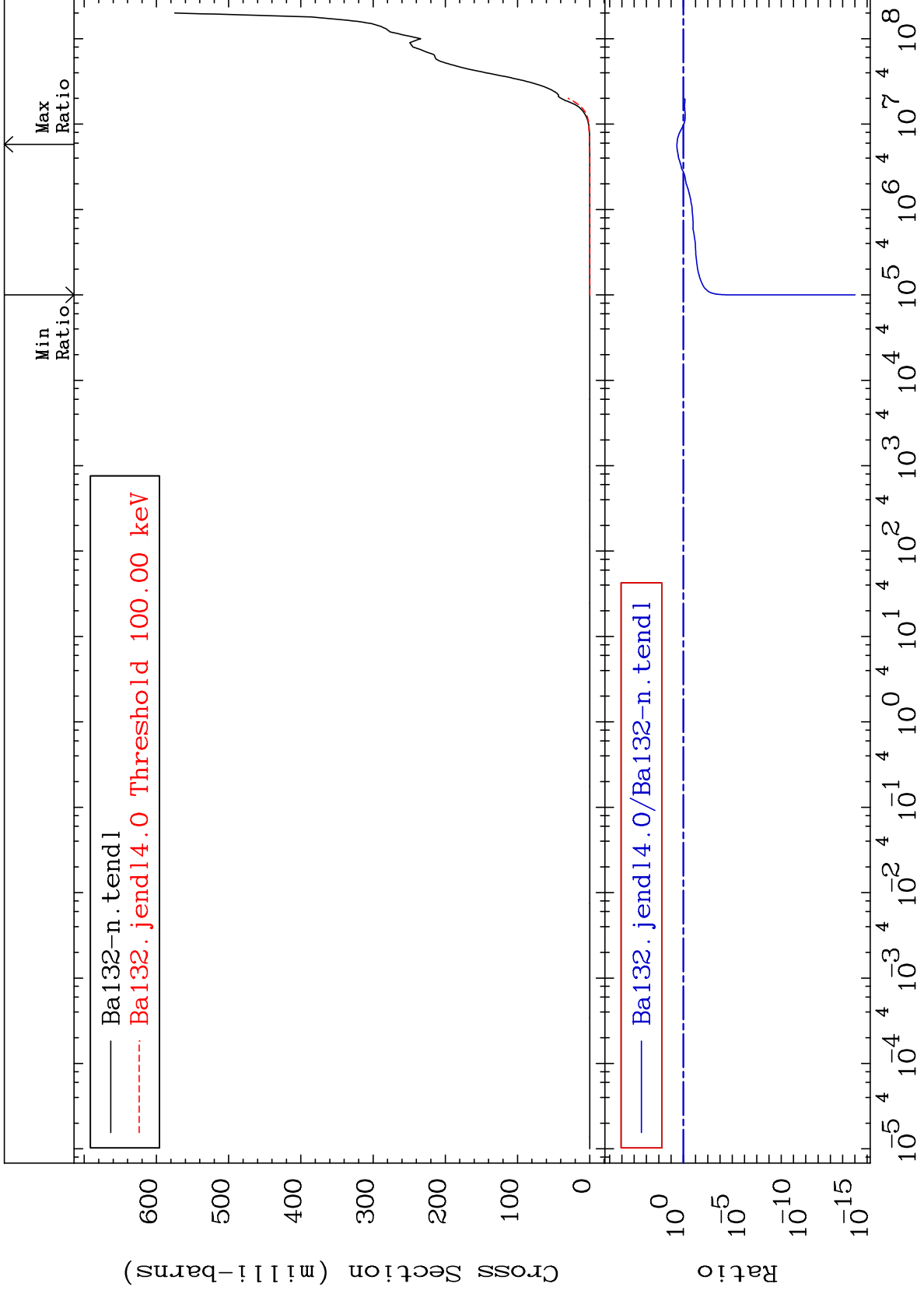
56-Ba-132  
-99.51 To 1285. %



MAT 5631

He-4 Production  
Cross Section

56-Ba-132  
-100.0 To 228.2 %



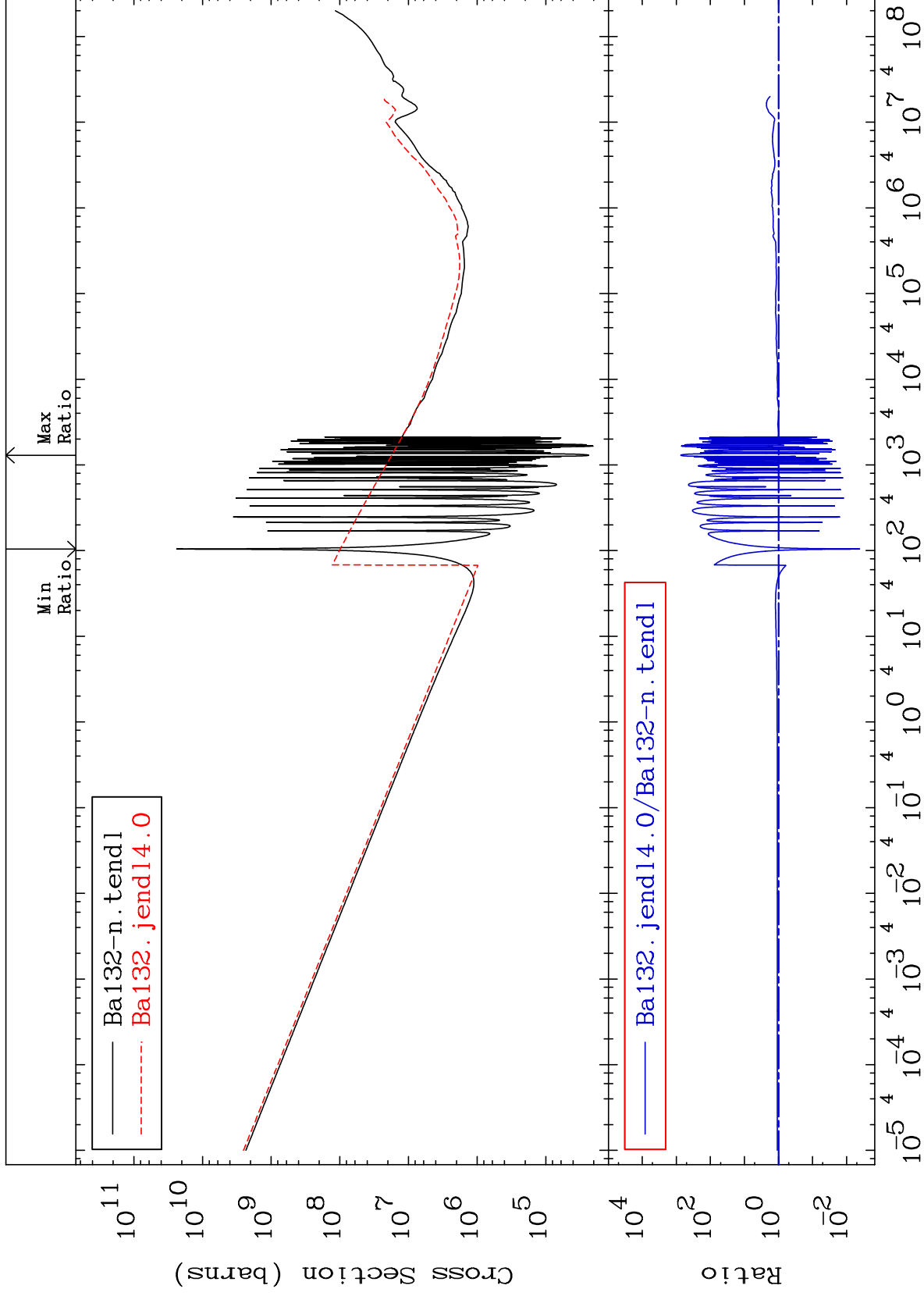
MAT 5631

Kerma total (eV-barns)

56-Ba-132

-99.58 To 9999. %

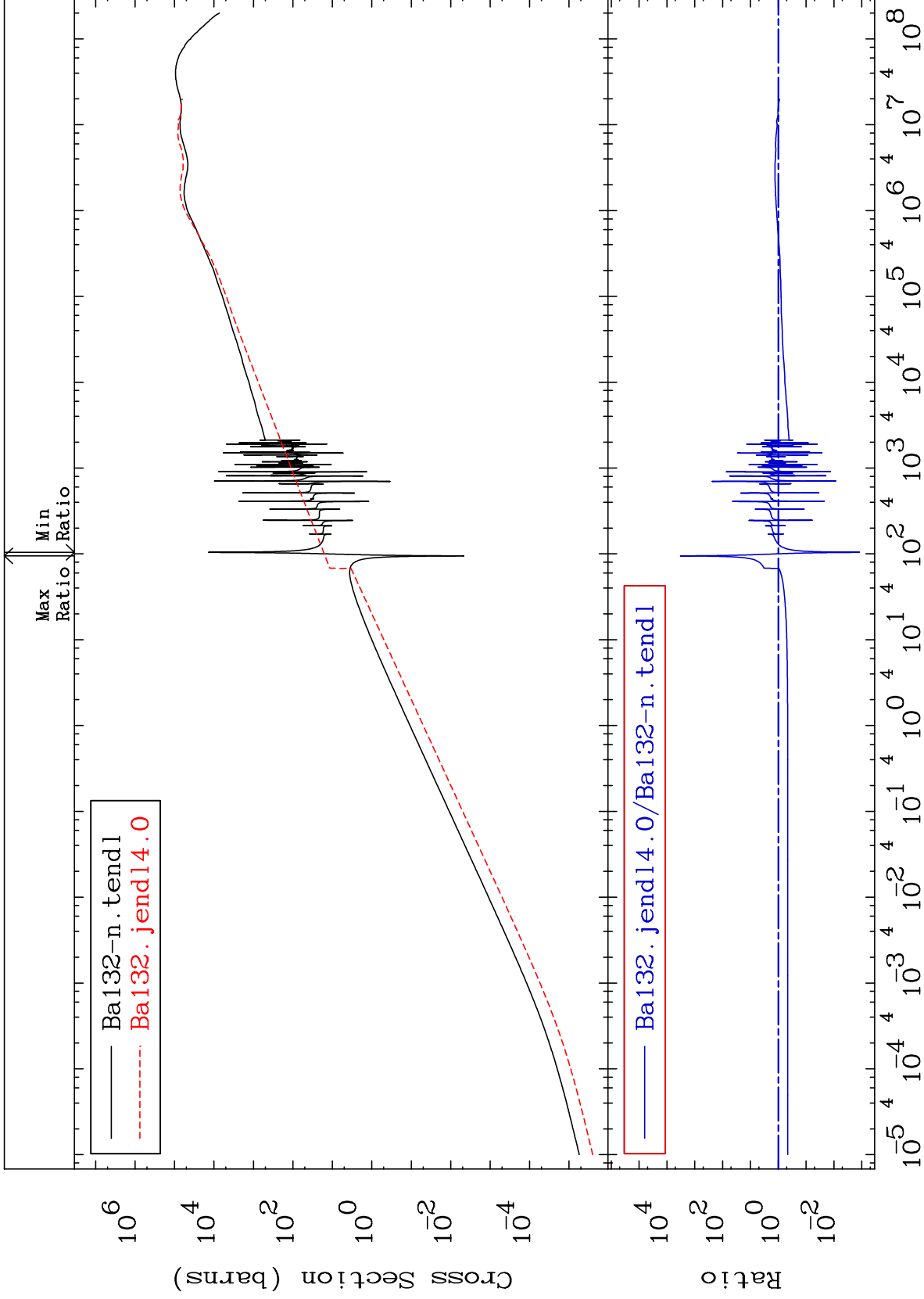
Cross Section



MAT 5631

Kerma elastic  
Cross Section

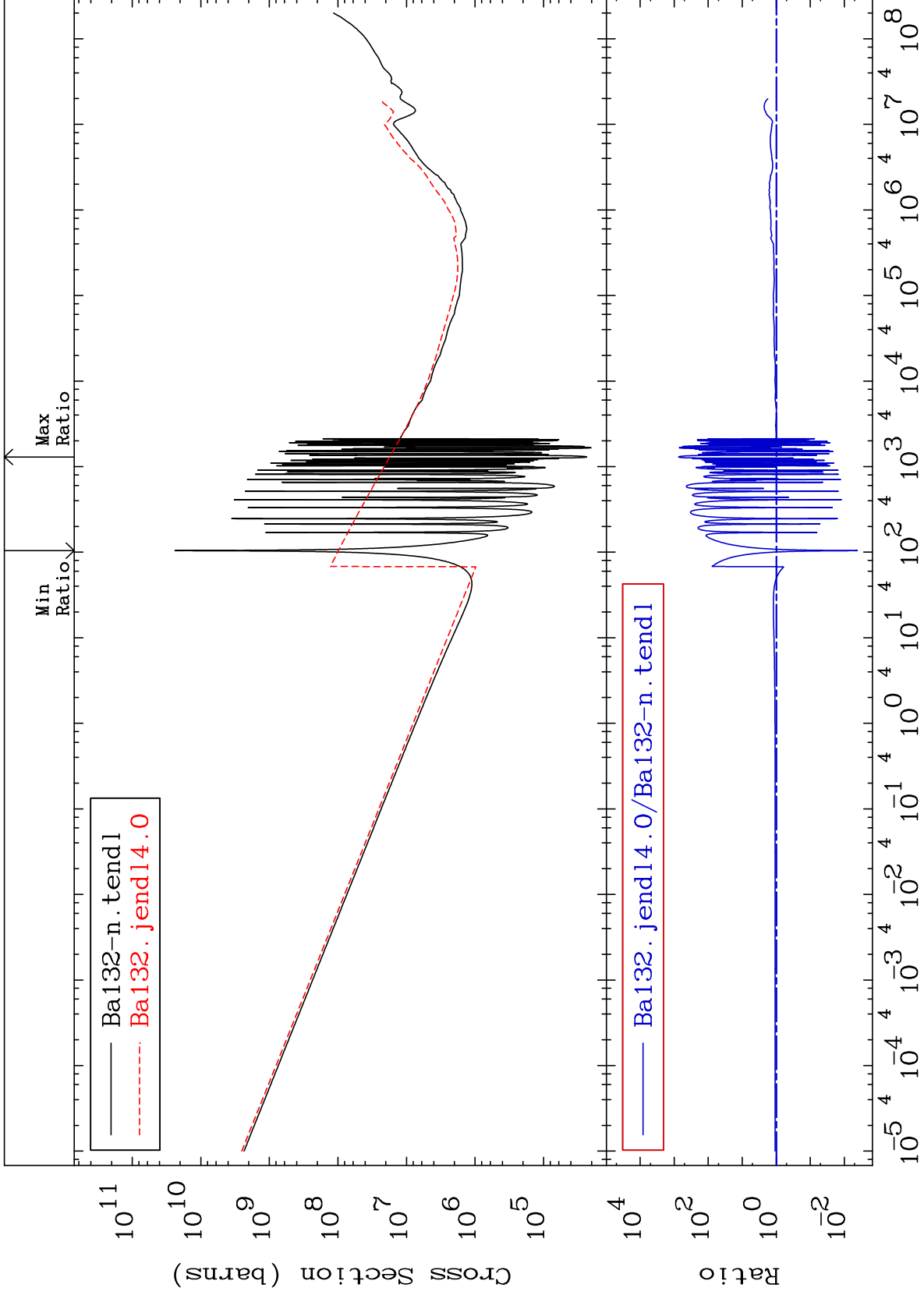
56-Ba-132  
-99.88 To 9999. %



MAT 5631

Kerma non-elastic (all but mt2)  
Cross Section

56-Ba-132  
-99.58 To 9999. %

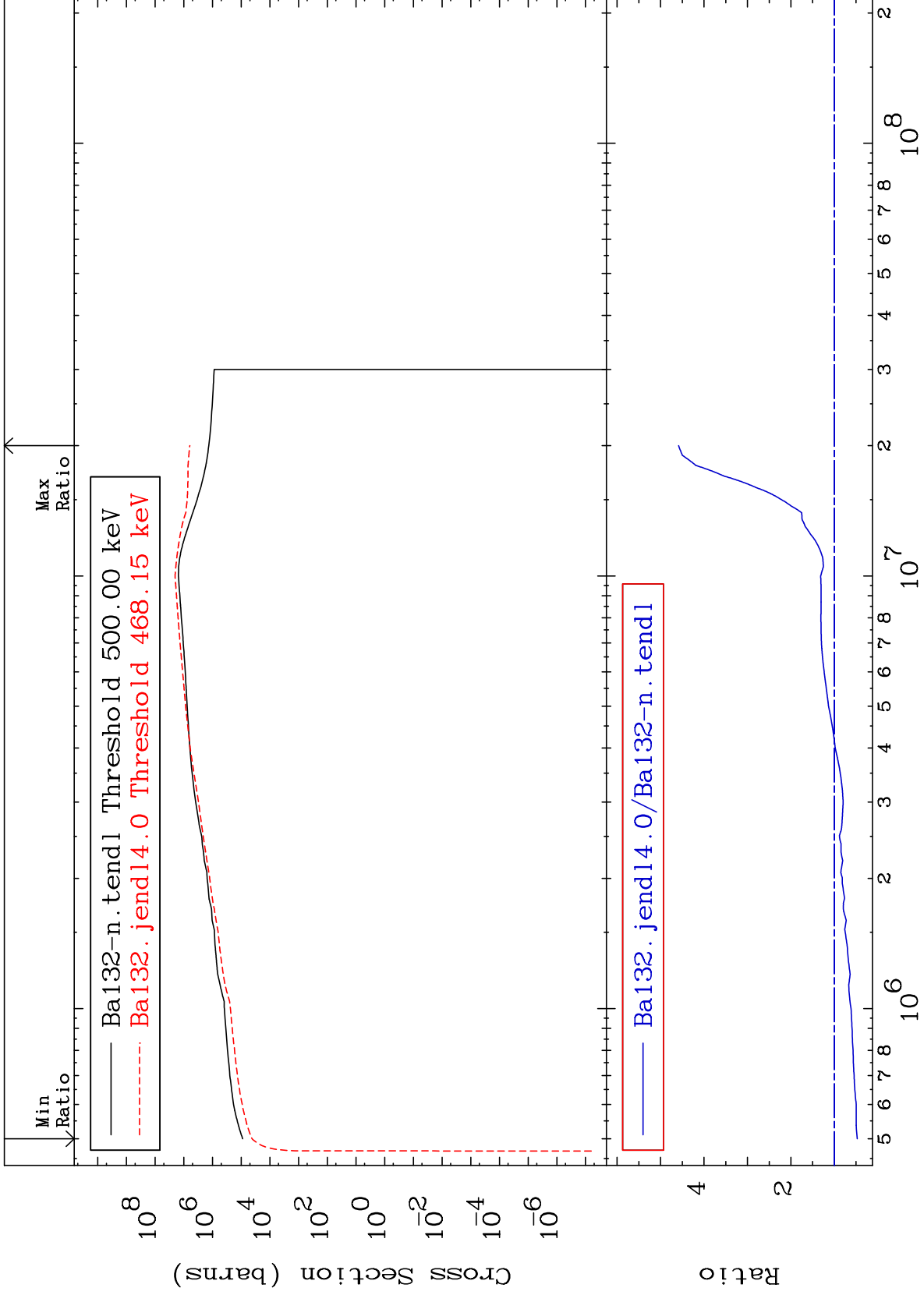




MAT 5631

Kerma inelastic (mt51-91)  
Cross Section

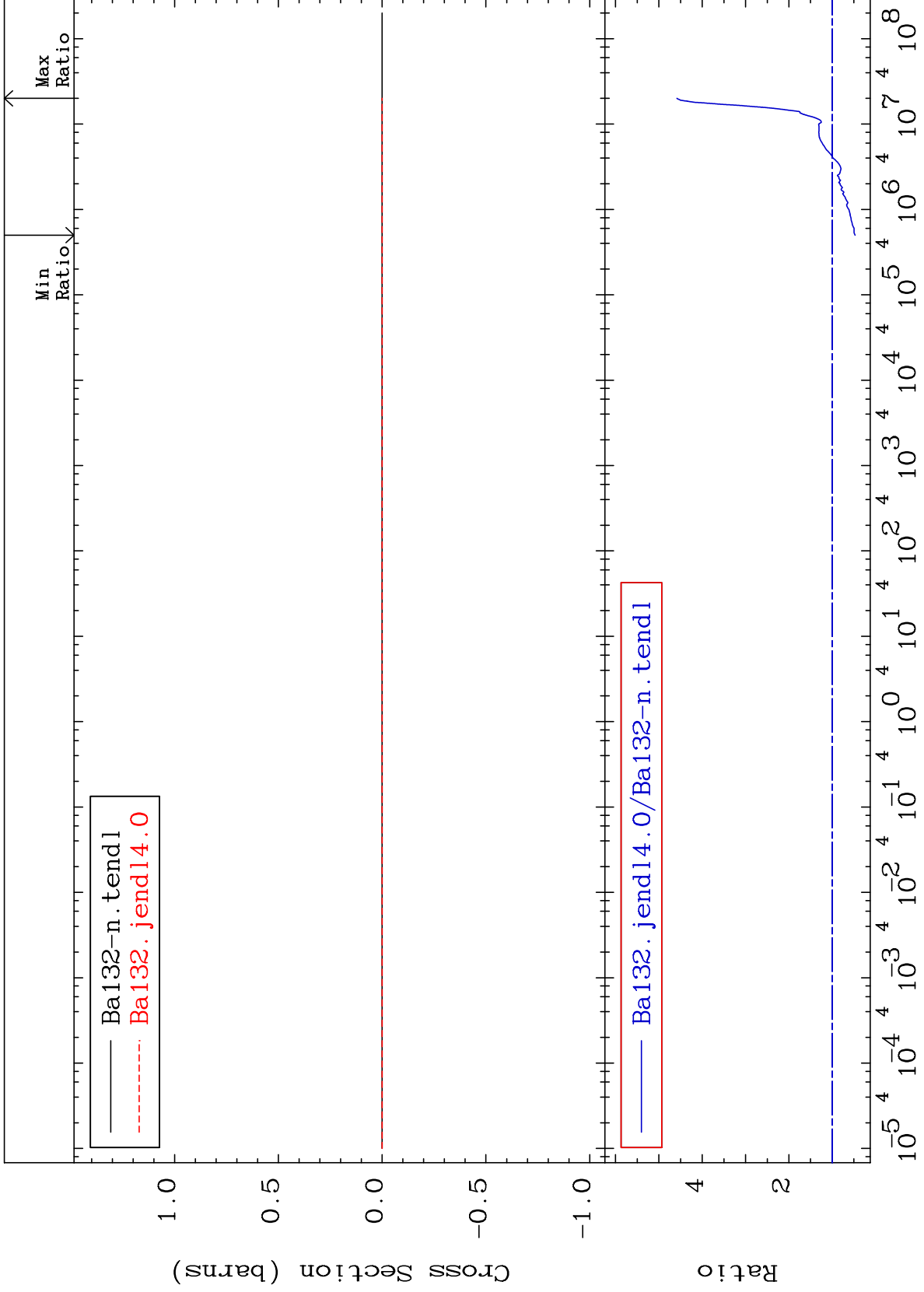
56-Ba-132  
-52.73 To 358.4 %



MAT 5631

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

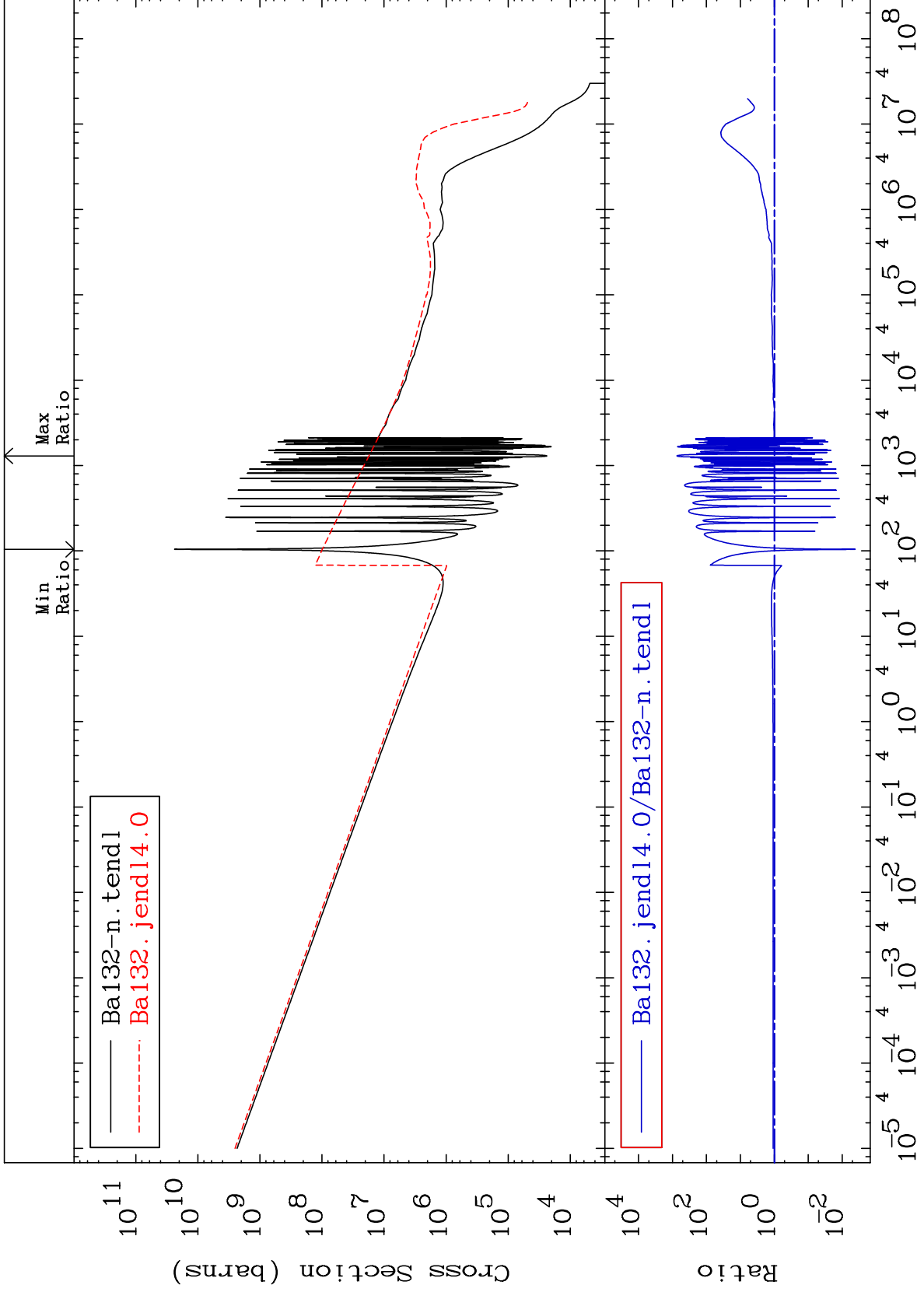
56-Ba-132  
-52.73 To 358.4 %

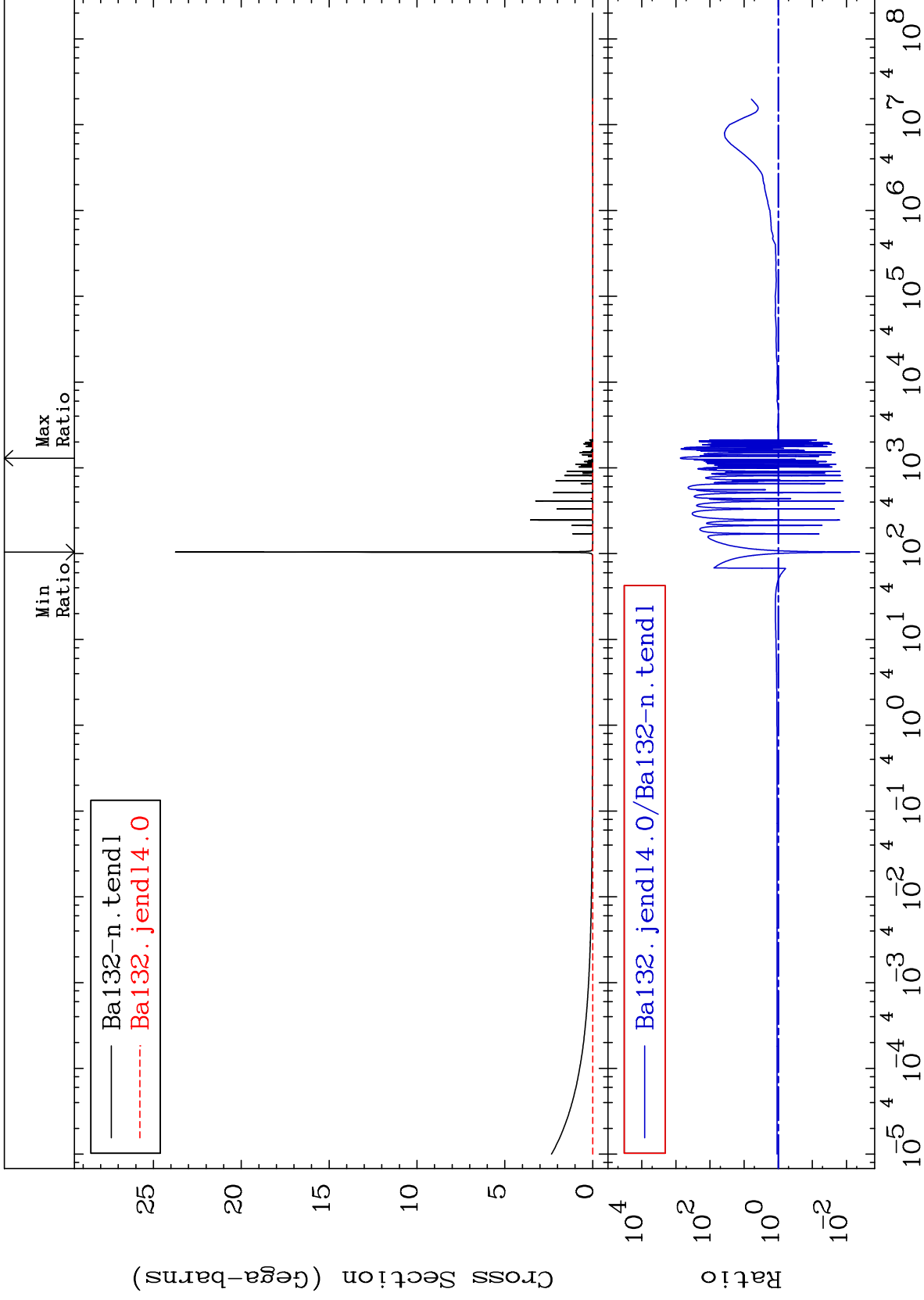


MAT 5631

Kerma capture (mt102)  
Cross Section

56-Ba-132  
-99.58 To 9999. %





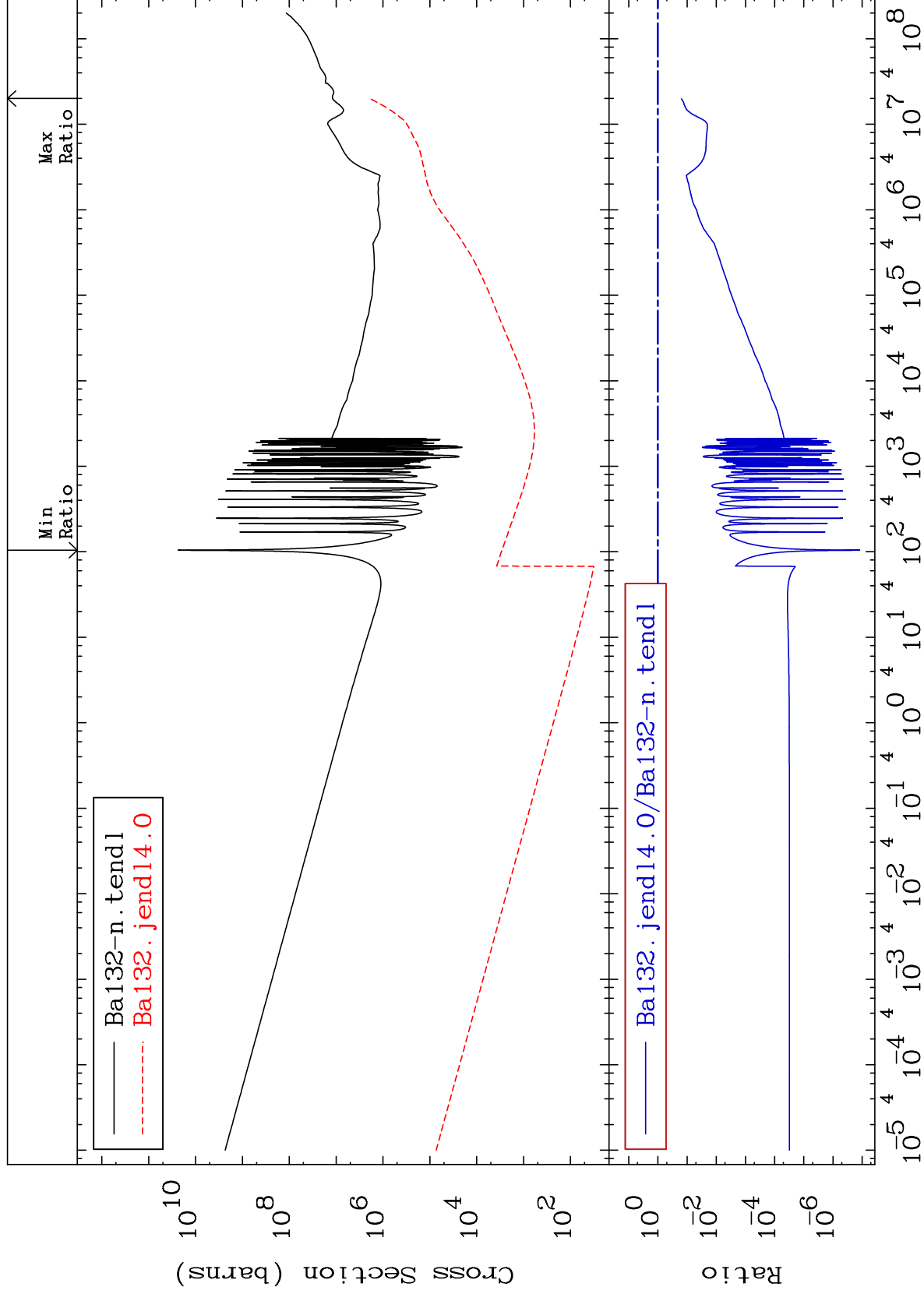
MAT 5631

Total kinematic kerma (high limit)

56-Ba-132

Cross Section

-100.0 To -84.01%



37

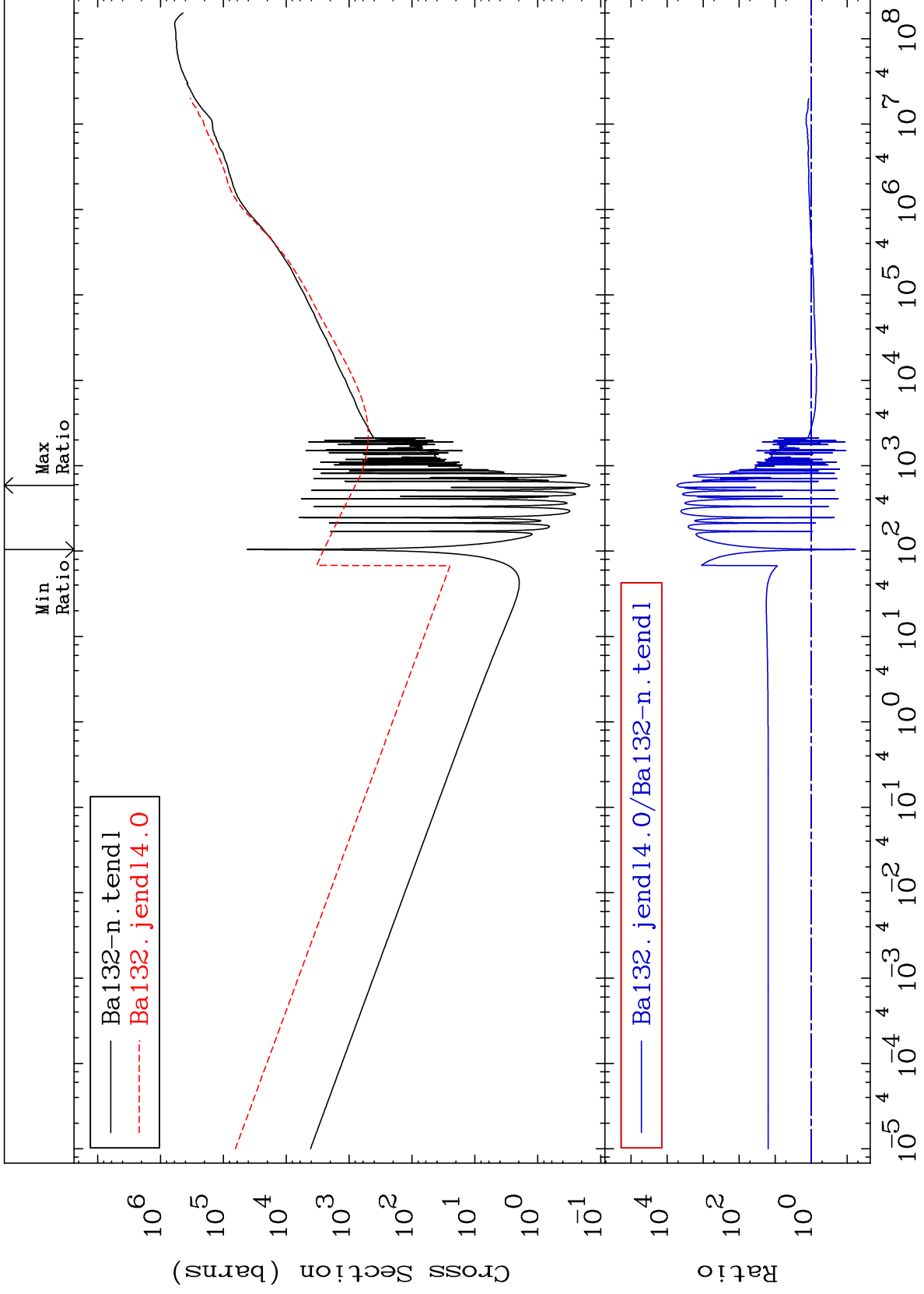
Incident Energy (eV)

56-Ba-132

MAT 5631

Dpa total (eV-barns)  
Cross Section

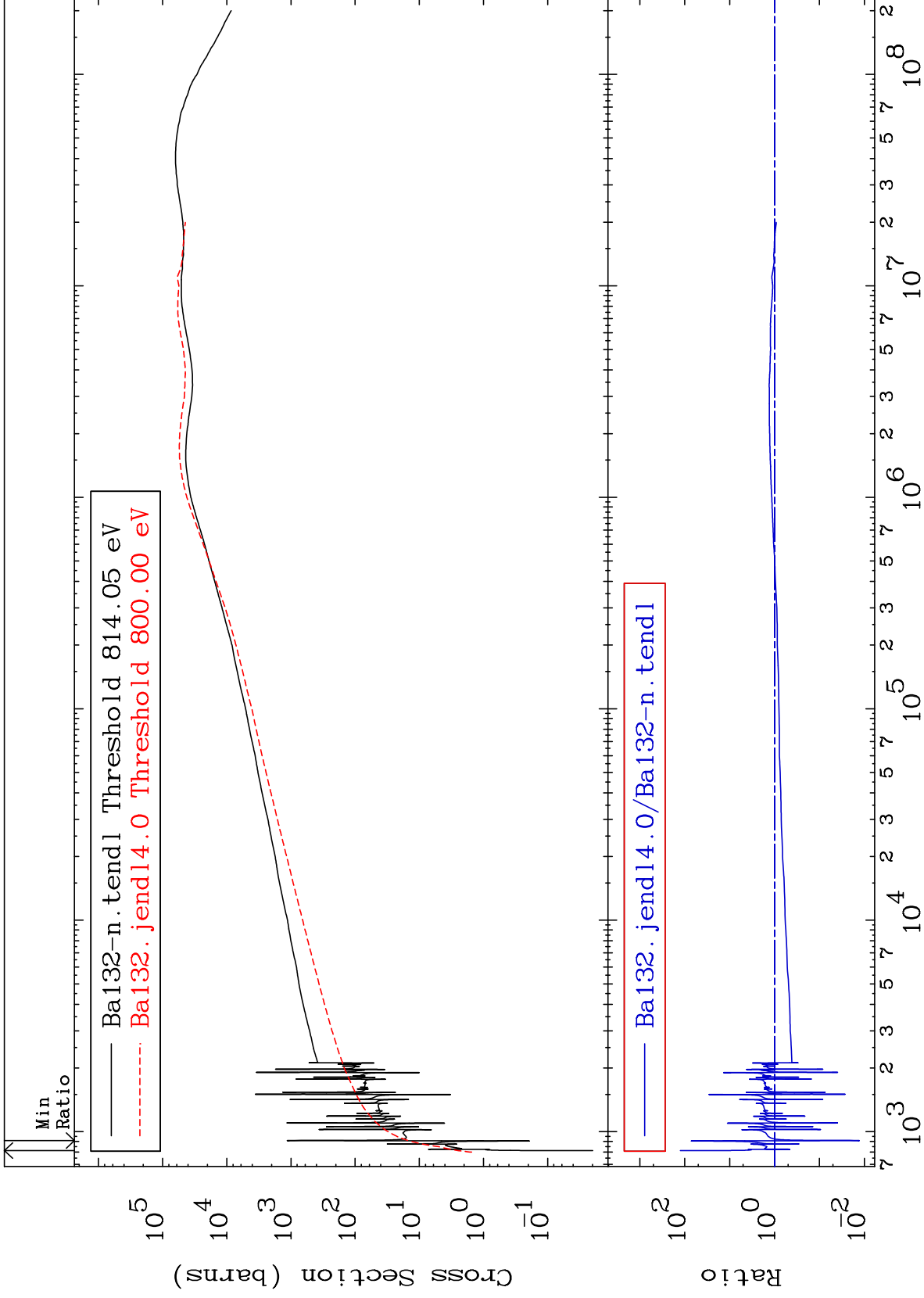
56-Ba-132  
-93.95 To 9999. %



MAT 5631

Dpa elastic (mt2)  
Cross Section

56-Ba-132  
-98.71 To 9999. %



39

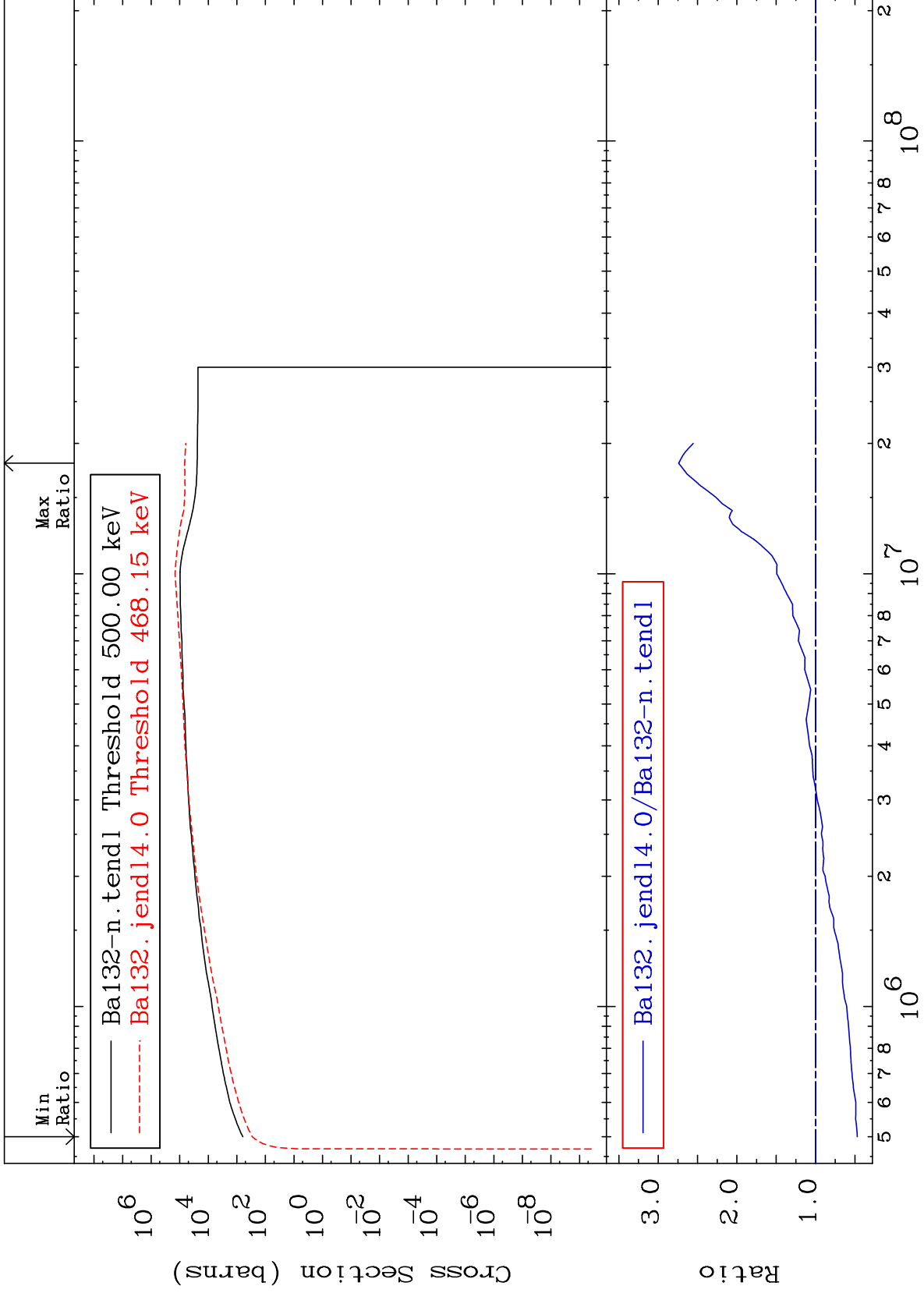
Incident Energy (eV)

56-Ba-132

MAT 5631

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-132  
-53.01 To 174.0 %



40

Incident Energy (eV)

56-Ba-132



MAT 5631

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-132  
-93.95 To 9999. %

