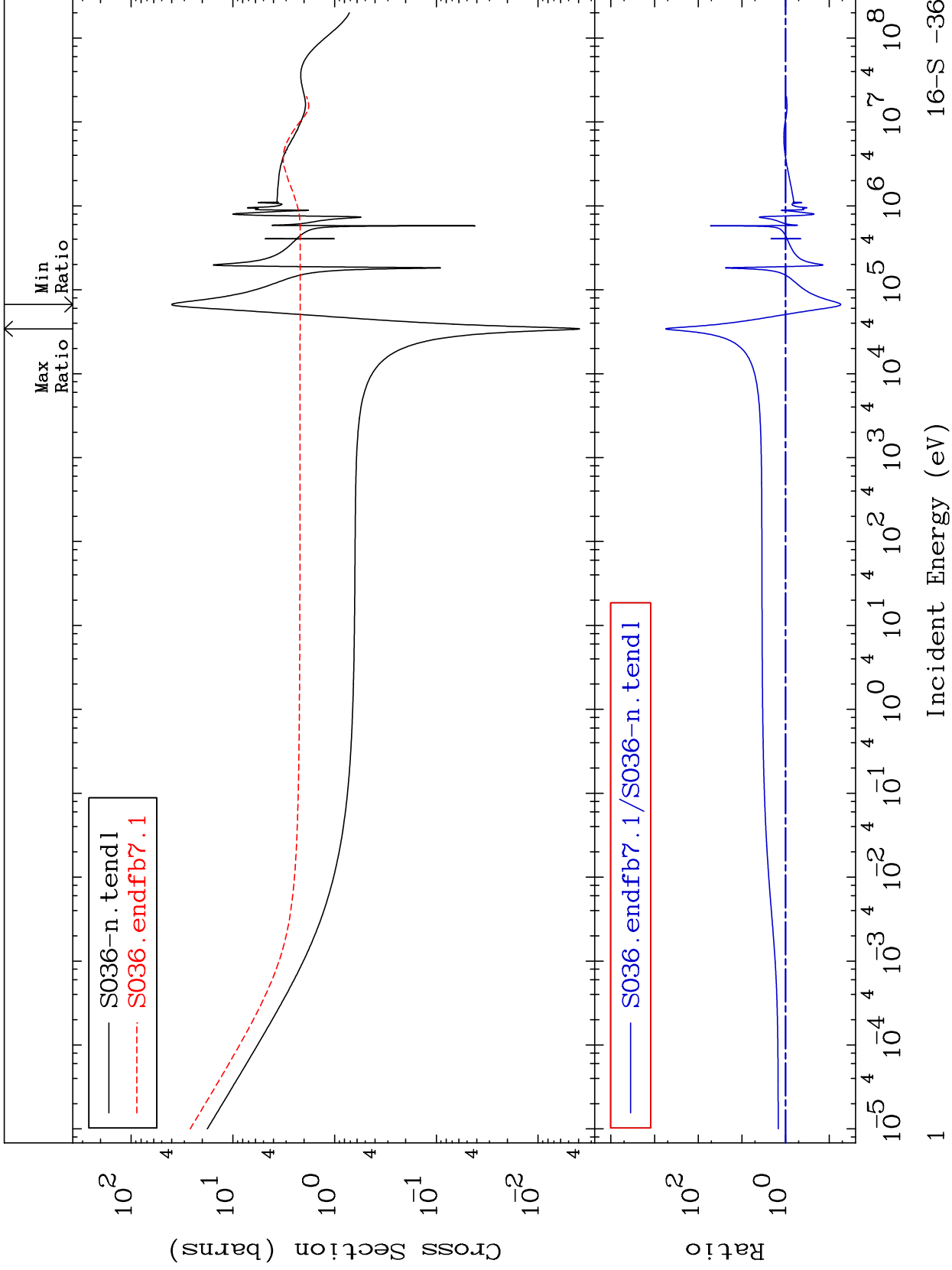


MAT 1637

Total
Cross Section

16-S -36
-94.54 To 9999. %



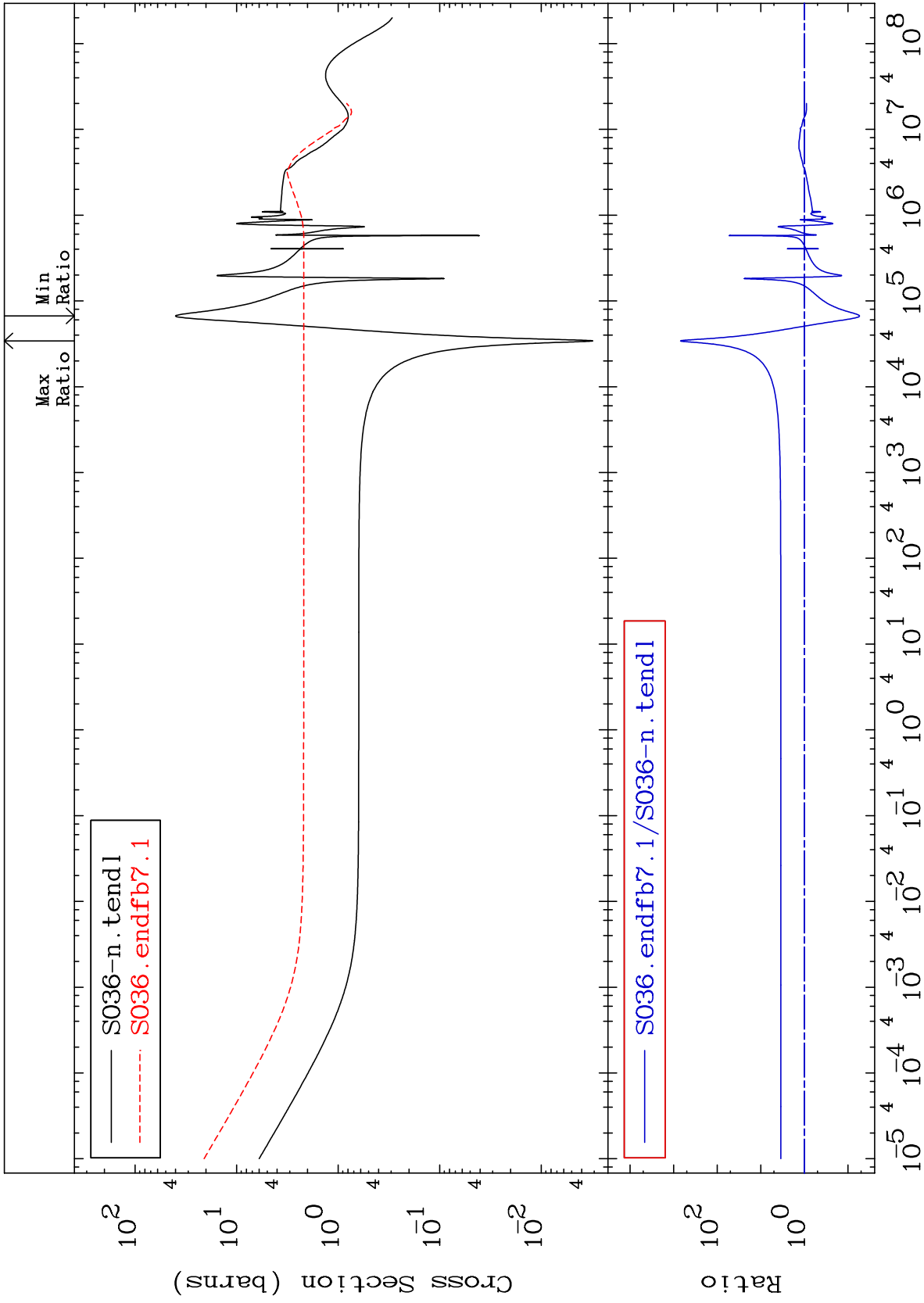
Incident Energy (eV)

16-S -36

MAT 1637

Elastic
Cross Section

16-S -36
-94.54 To 9999. %



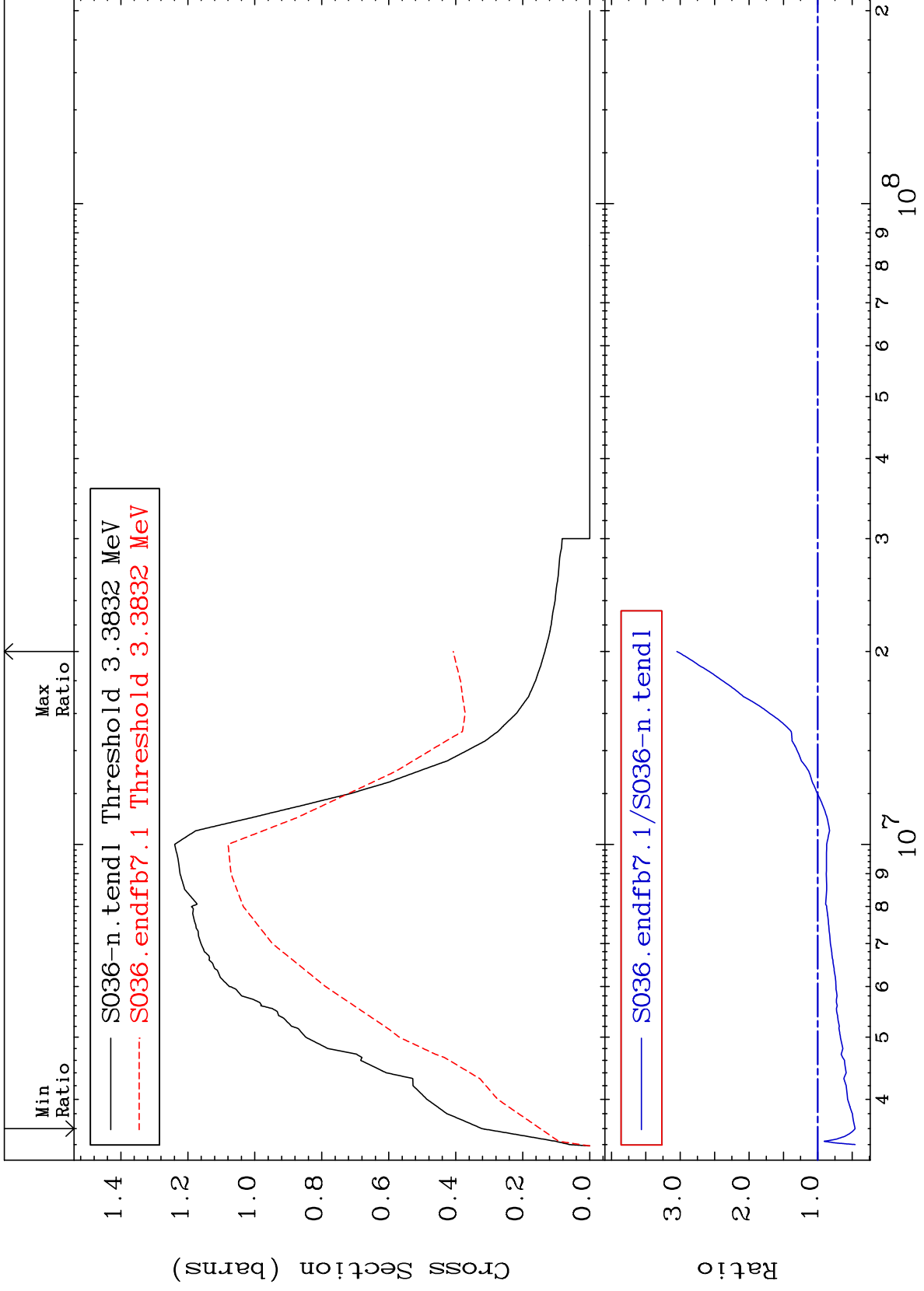
Incident Energy (eV)

16-S -36

MAT 1637

Inelastic
Cross Section

16-S -36
-54.22 To 204.8 %



3

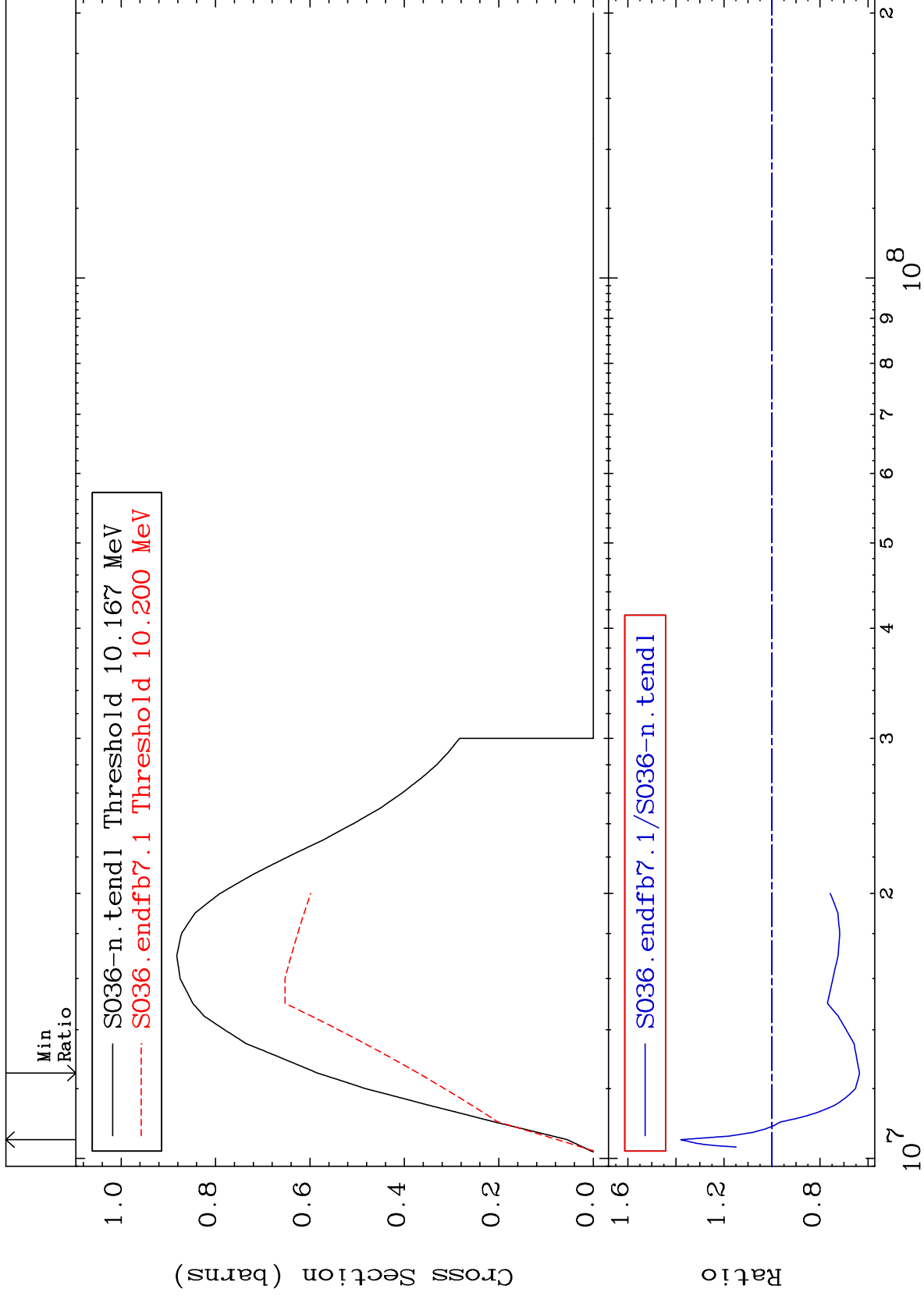
Incident Energy (eV)

16-S -36

MAT 1637

(n,2n)
Cross Section

16-S -36
-36.46 To 37.97 %



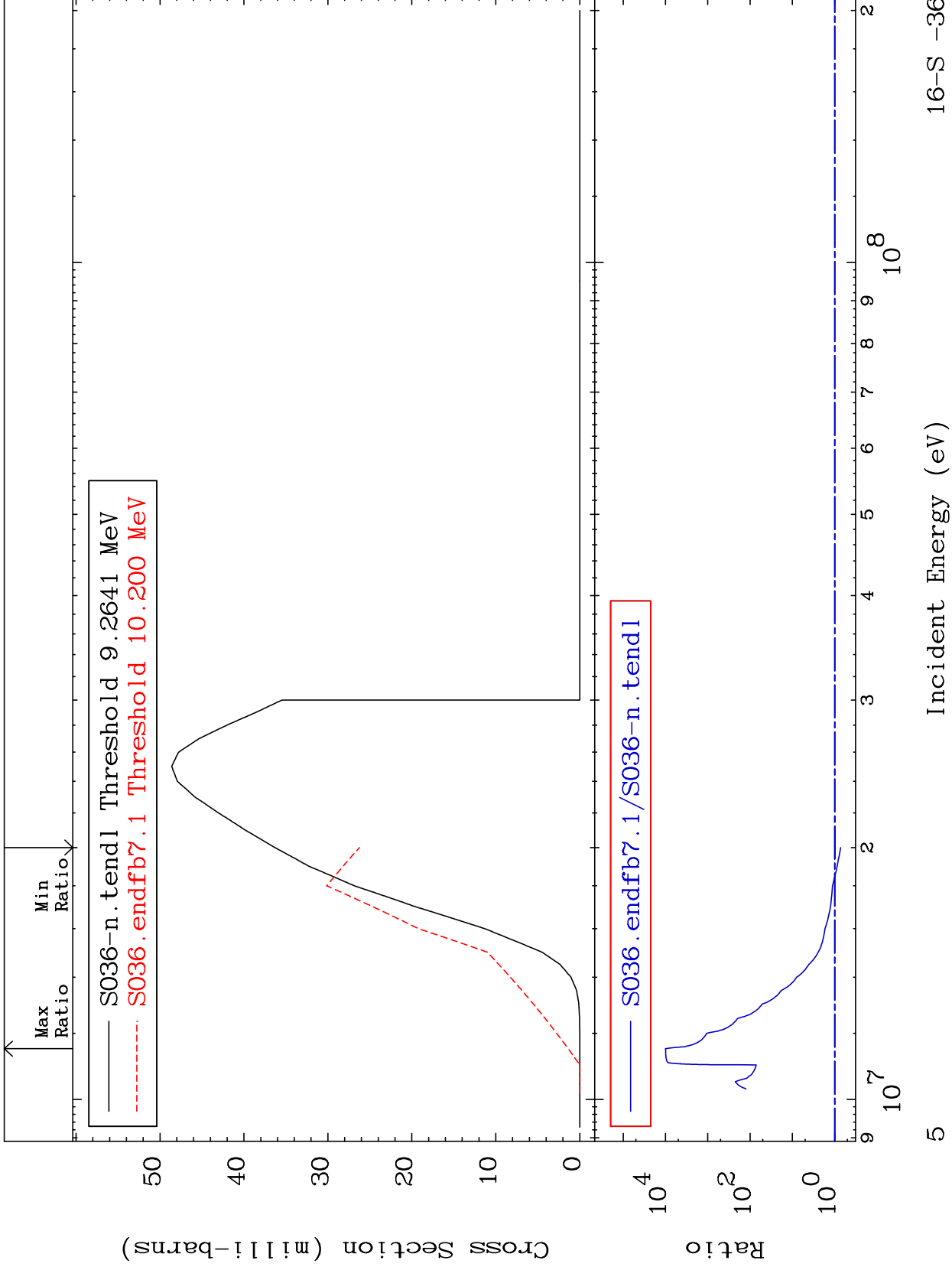
Incident Energy (eV)

16-S -36

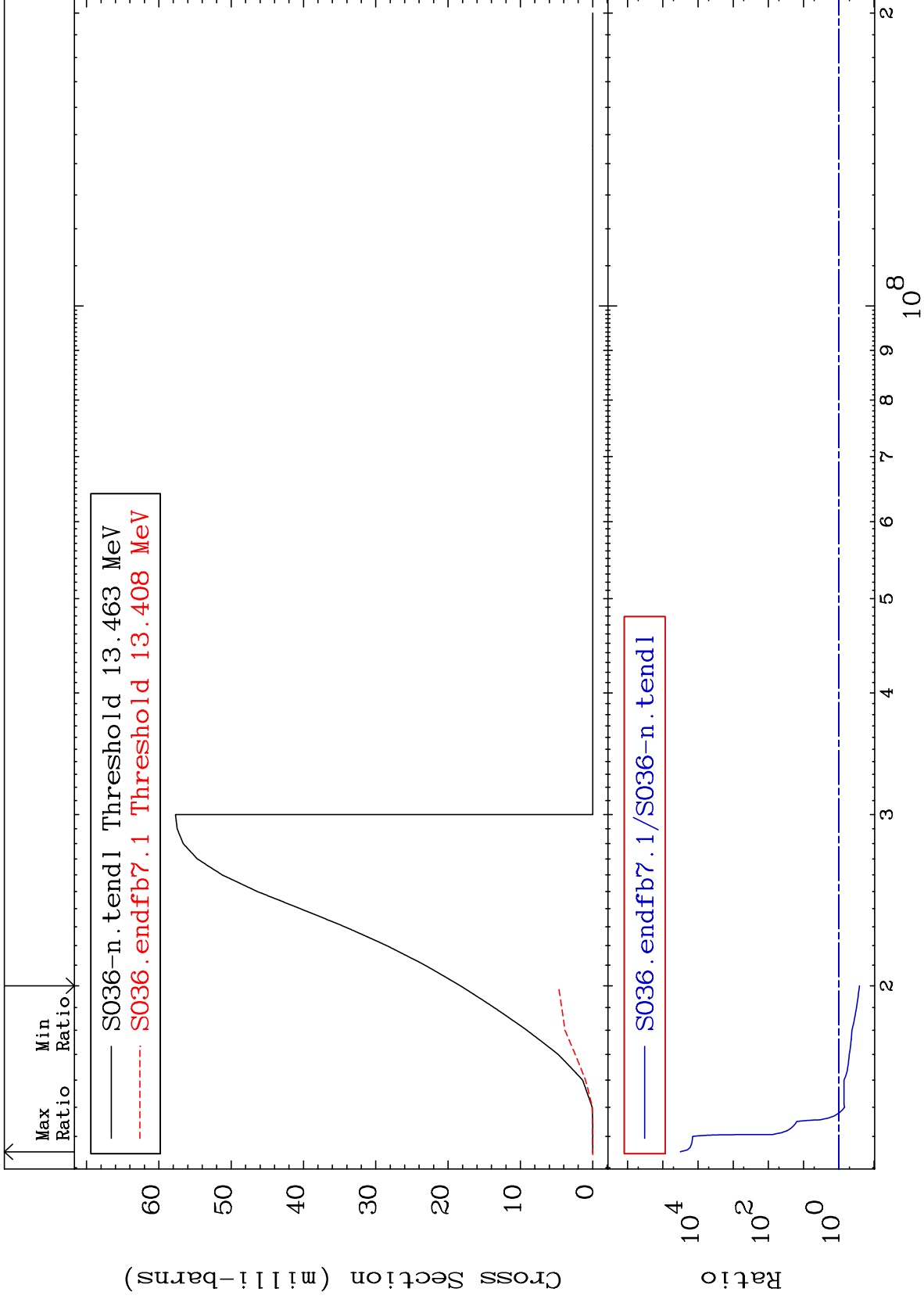
MAT 1637

(n,n') α
Cross Section

16-S -36
-27.76 To 9999. %



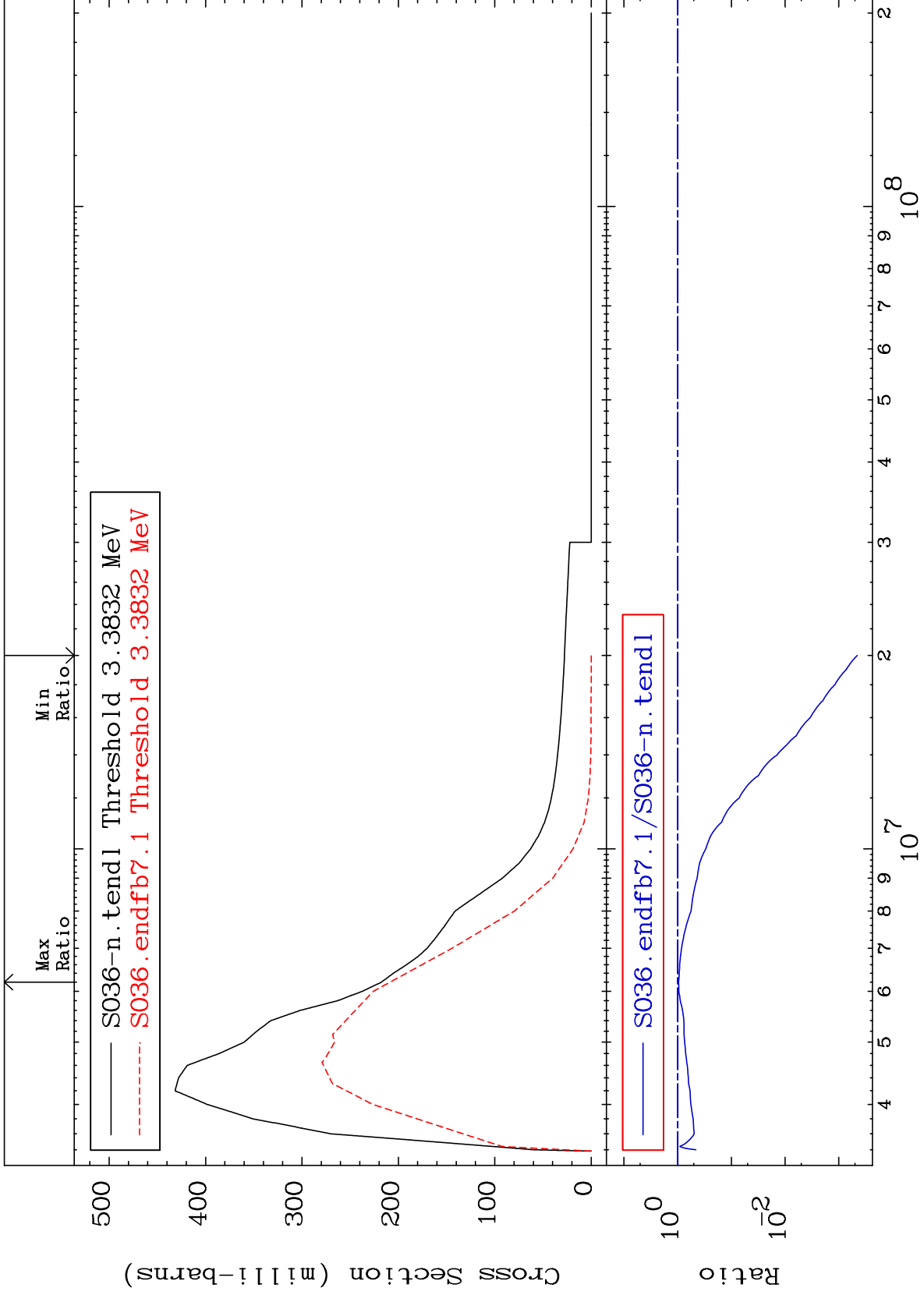
16-S -36



MAT 1637

3.291 MeV (n,n') Level
Cross Section

16-S -36
-99.95 To -4.070%



7

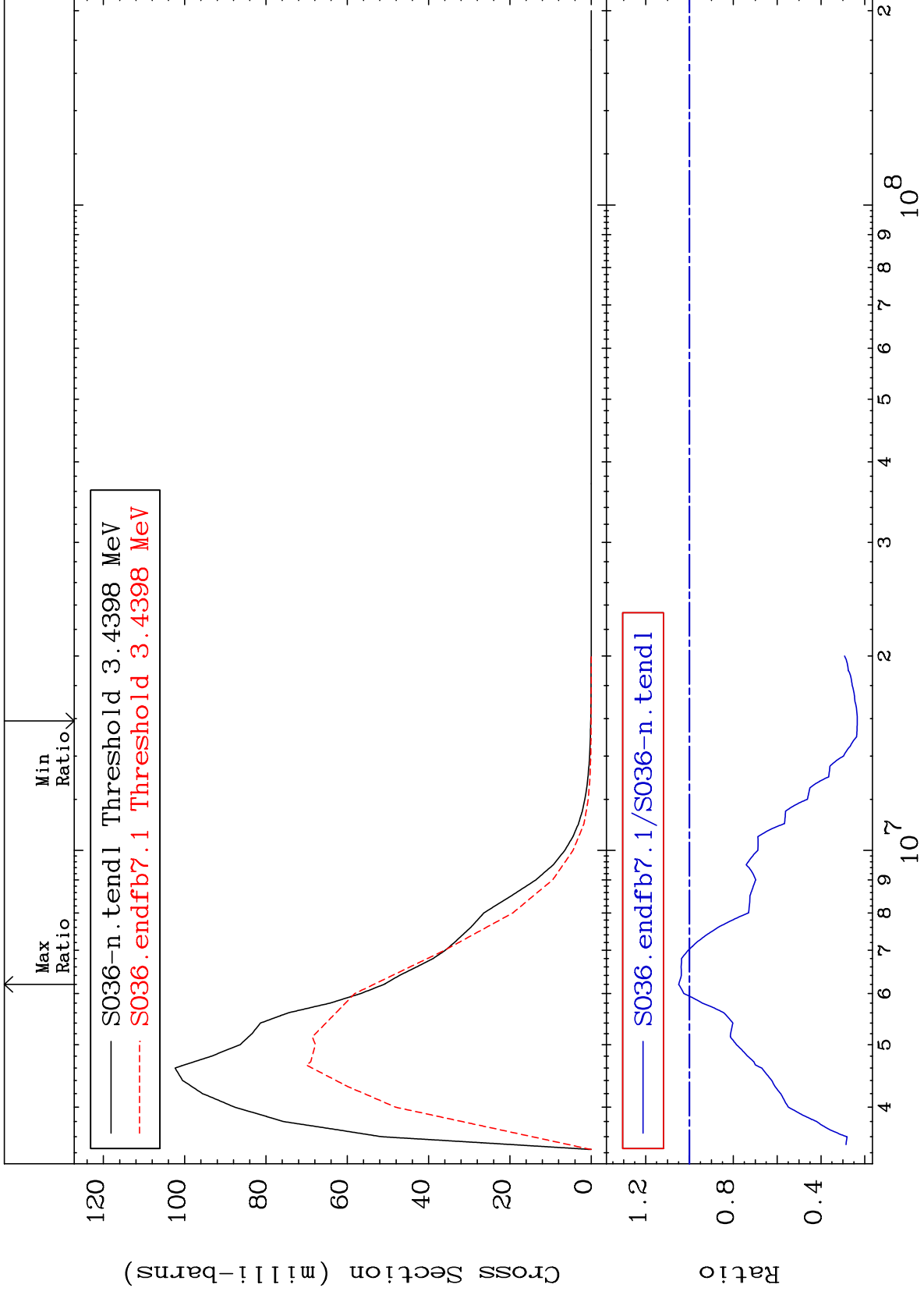
Incident Energy (eV)

16-S -36

MAT 1637

3.346 MeV (n,n') Level
Cross Section

16-S -36
-76.54 To 4.958 %



8

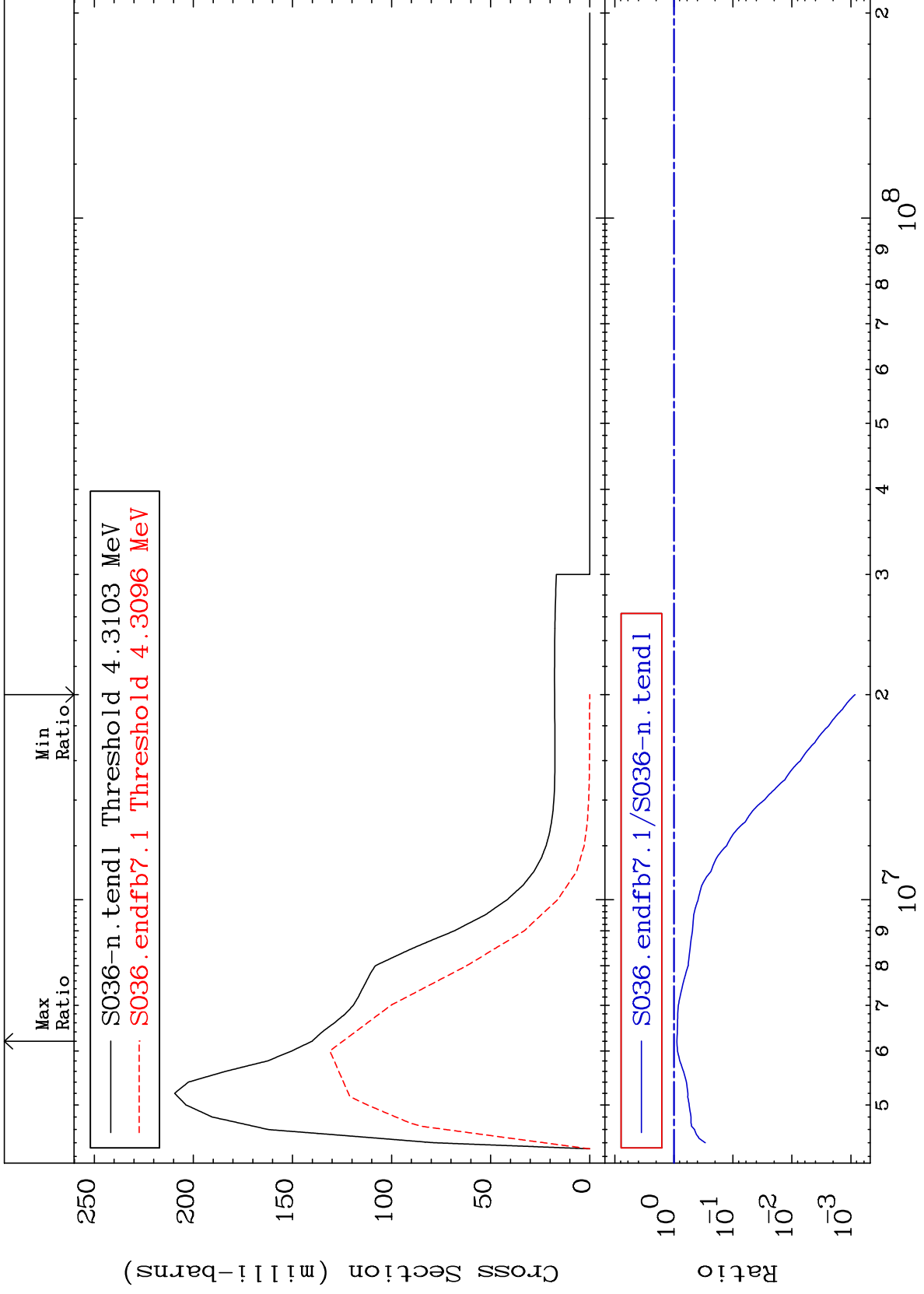
Incident Energy (eV)

16-S -36

MAT 1637

4.193 MeV (n,n') Level
Cross Section

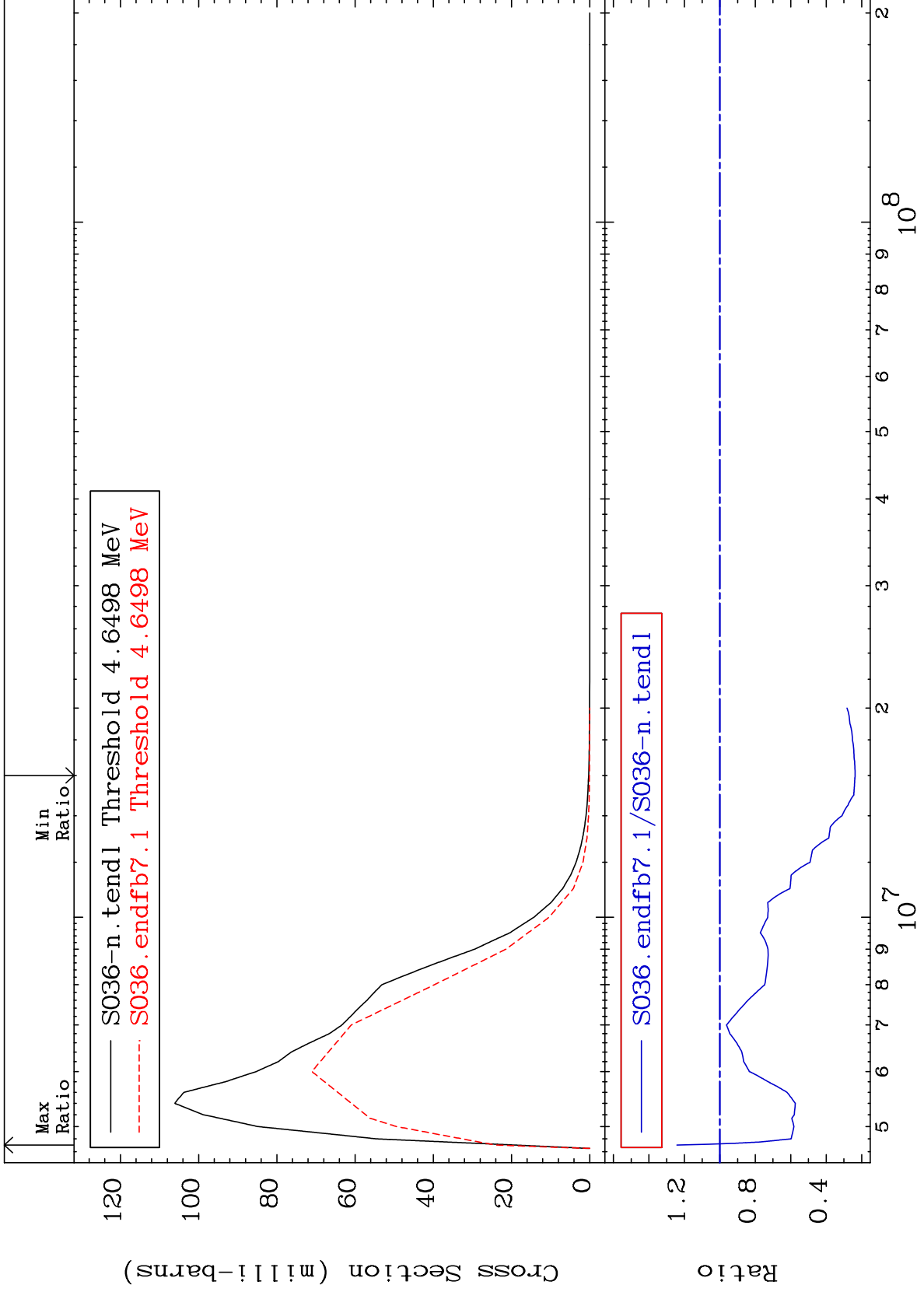
16-S -36
-99.92 To -11.07%



MAT 1637

4.523 MeV (n,n') Level
Cross Section

16-S -36
-76.30 To 24.21 %



10

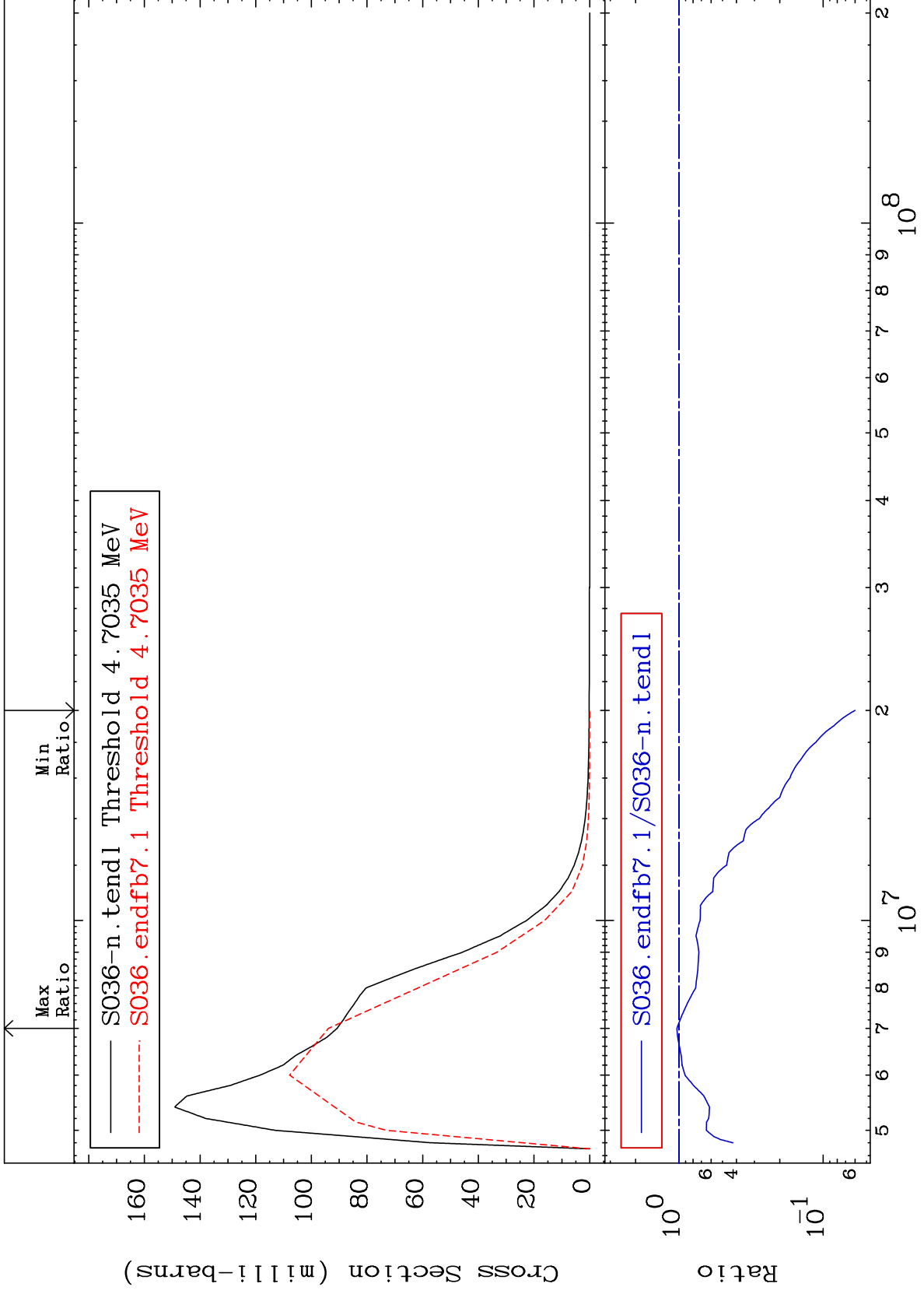
Incident Energy (eV)

16-S -36

MAT 1637

4.575 MeV (n,n') Level
Cross Section

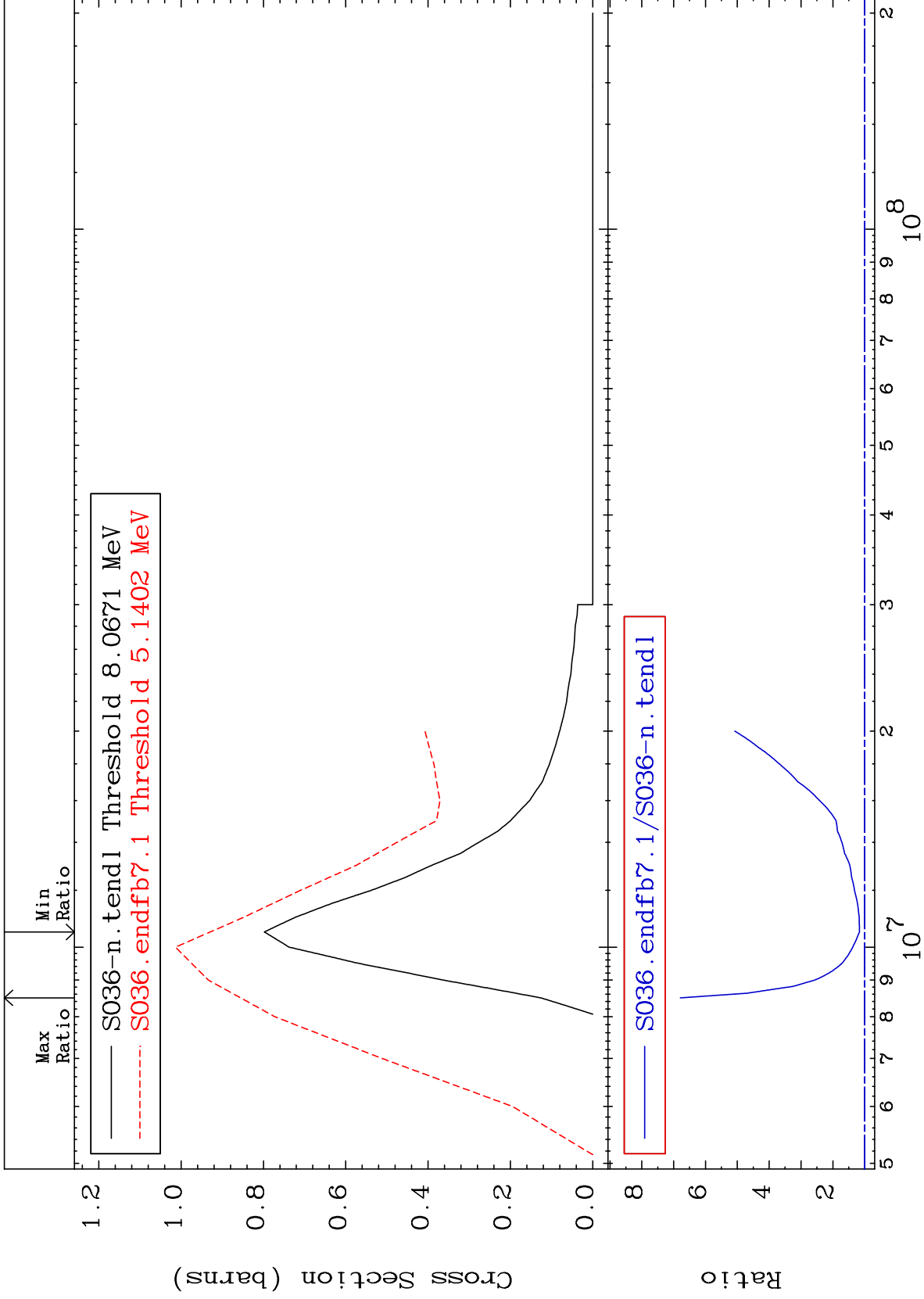
16-S -36
-93.99 To 3.421 %



11

Incident Energy (eV)

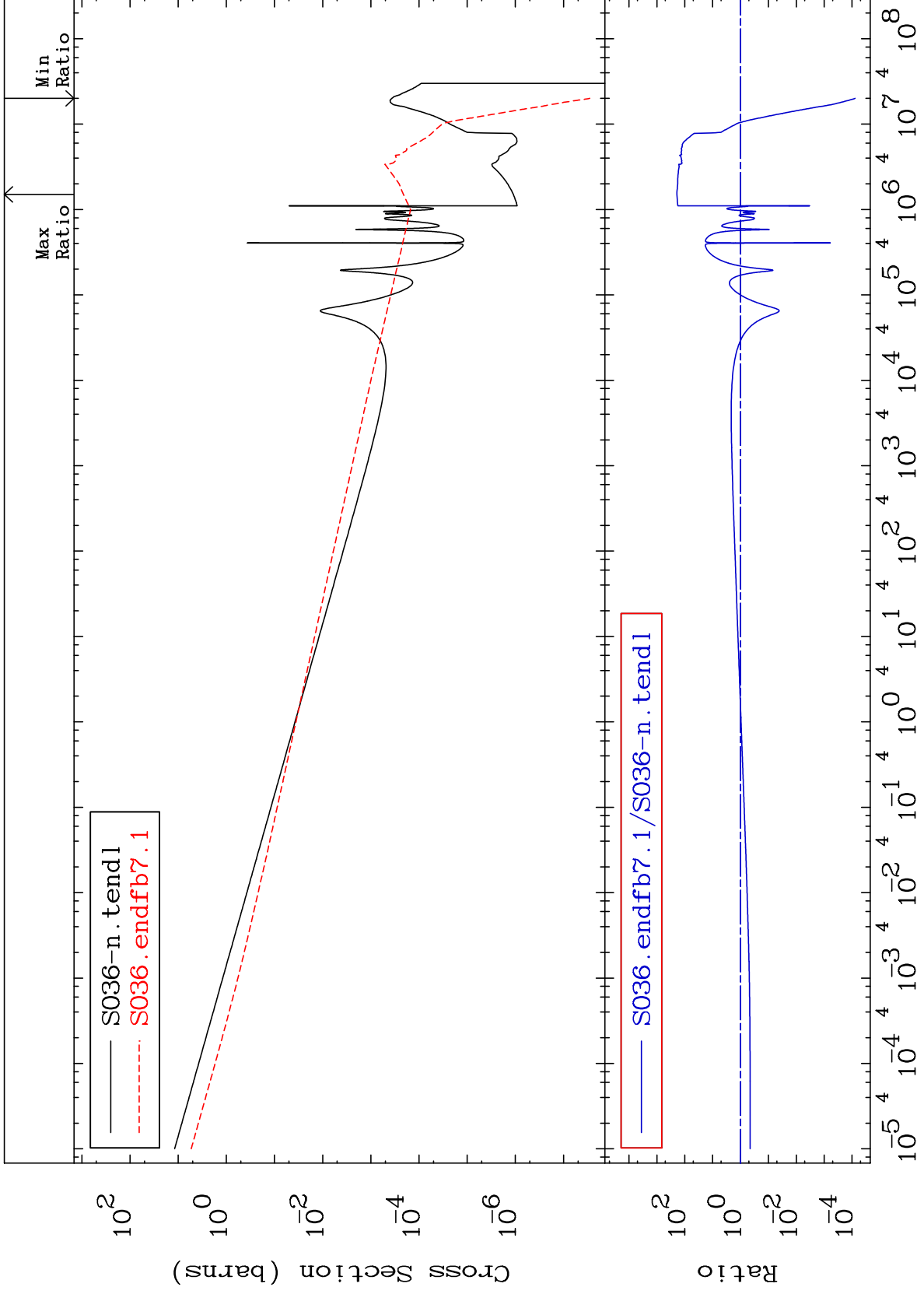
16-S -36



MAT 1637

(n, γ)
Cross Section

16-S -36
-99.99 To 9999. %



Incident Energy (eV)

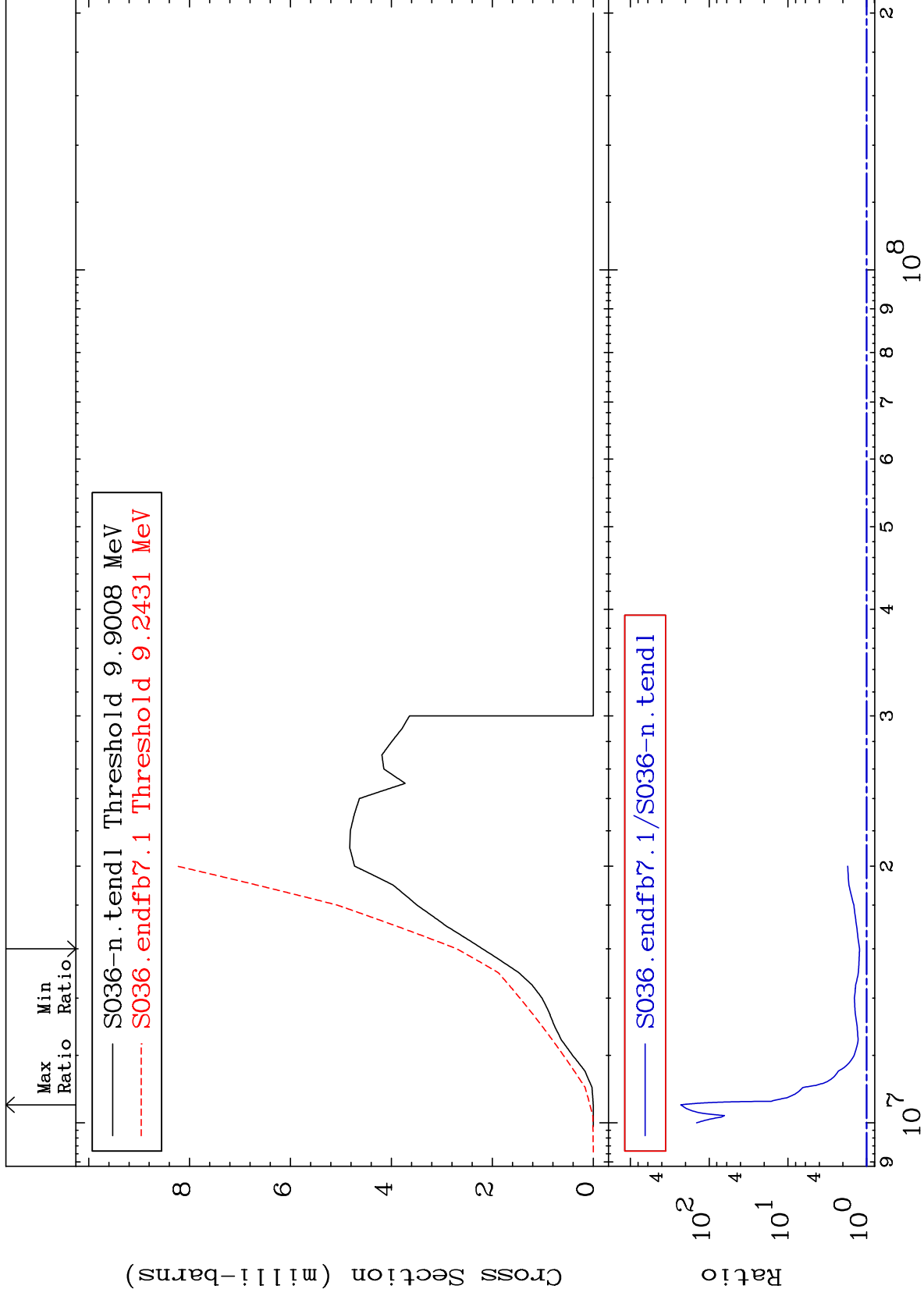
13

16-S -36

MAT 1637

(n,p)
Cross Section

16-S -36
23.24 To 9999. %



14

16-S -36

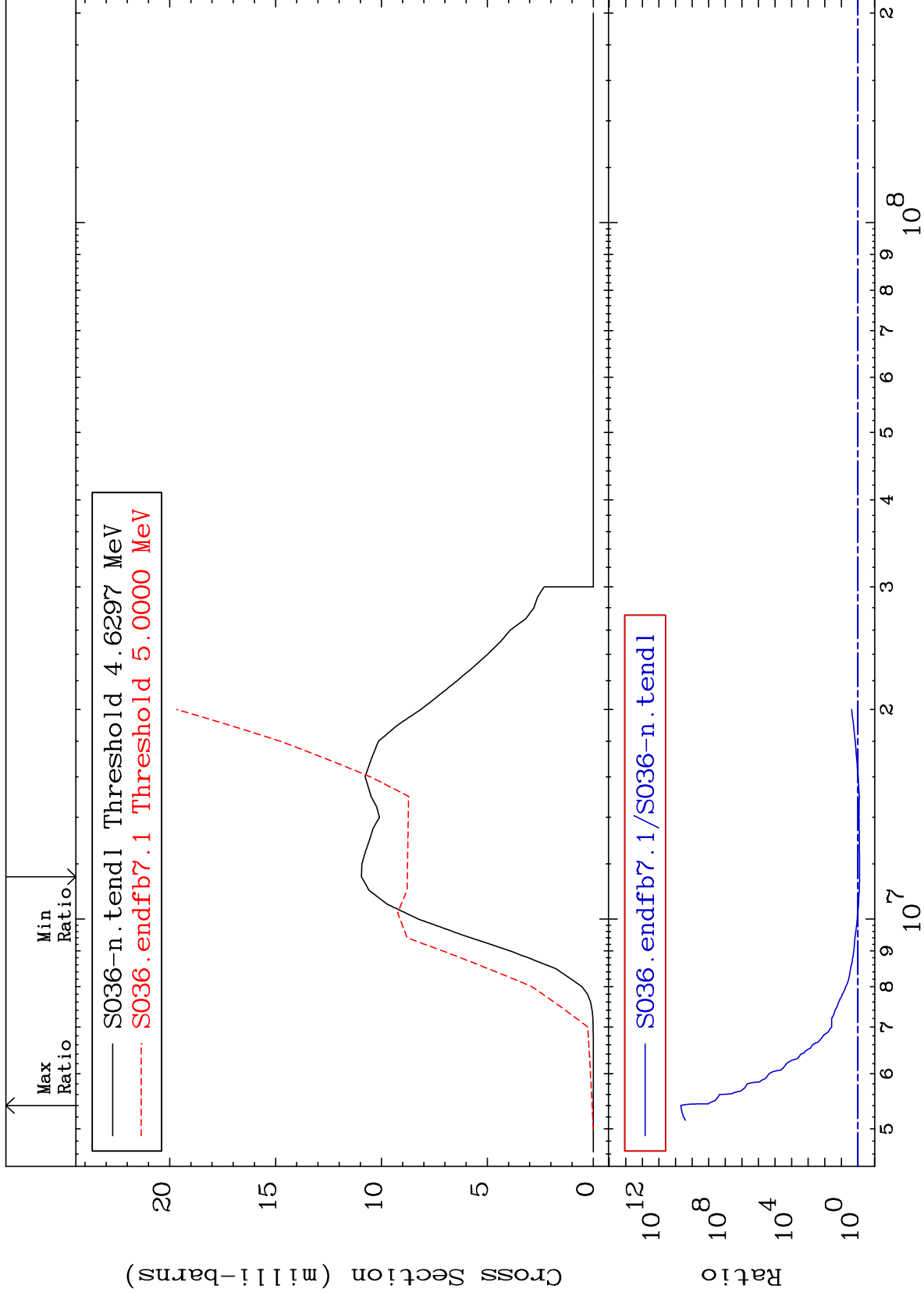
MAT 1637

(n, α)

16-S -36

Cross Section

-19.79 To 9999. %



15

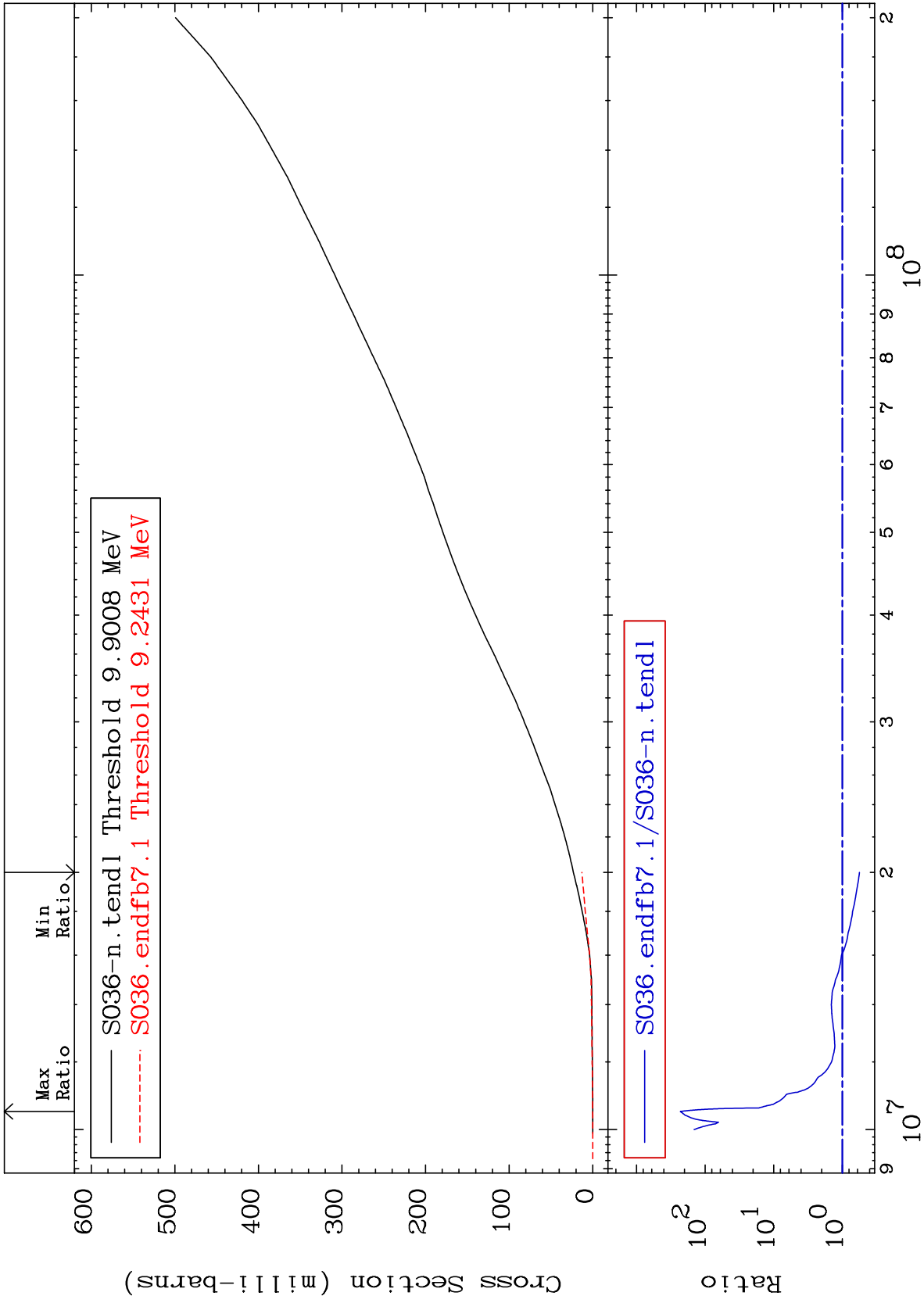
Incident Energy (eV)

16-S -36

MAT 1637

Hydrogen Production Cross Section

16-S -36
-43.62 To 9999. %



16

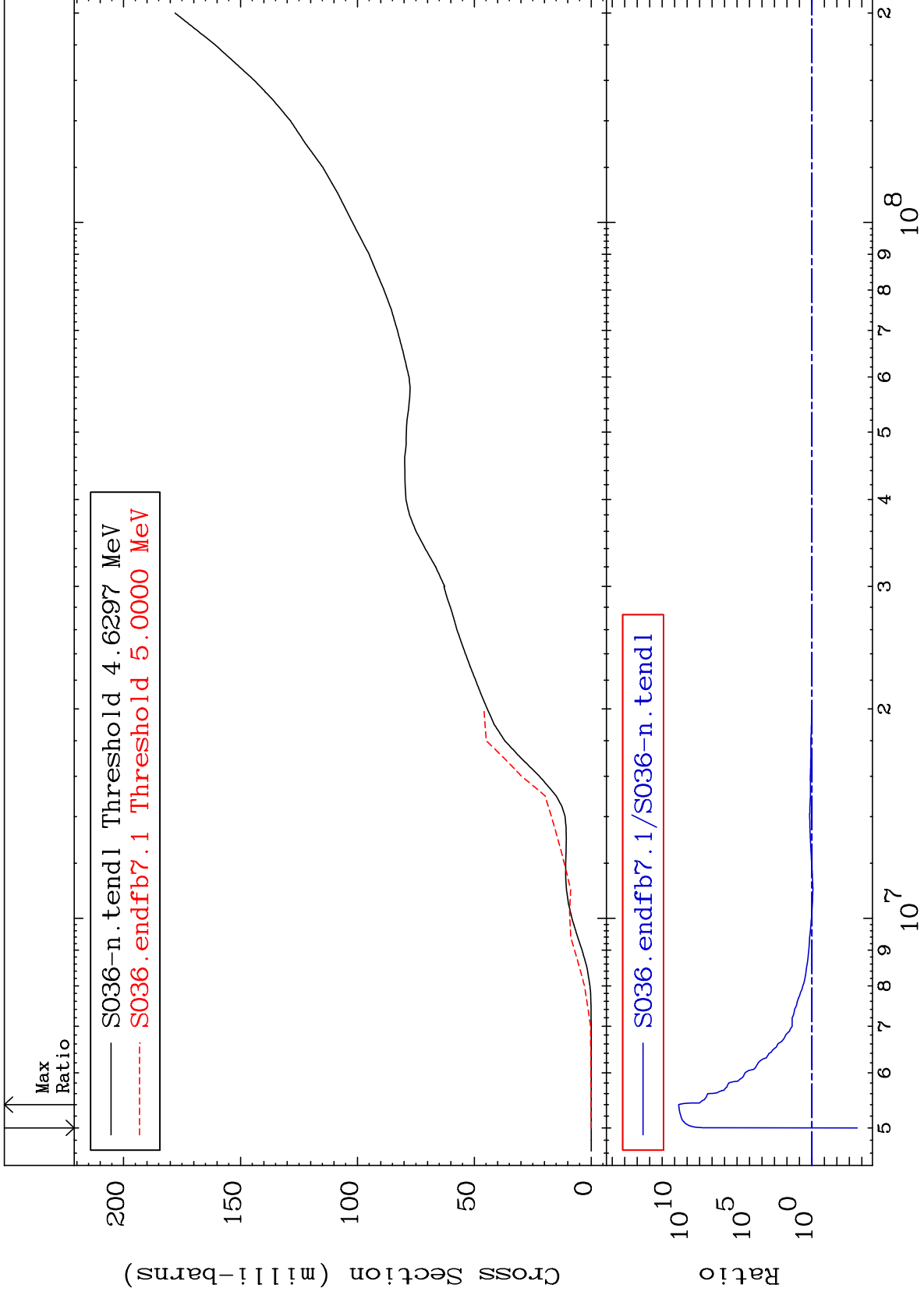
Incident Energy (eV)

16-S -36

MAT 1637

He-4 Production
Cross Section

16-S -36
-99.98 To 9999. %



17

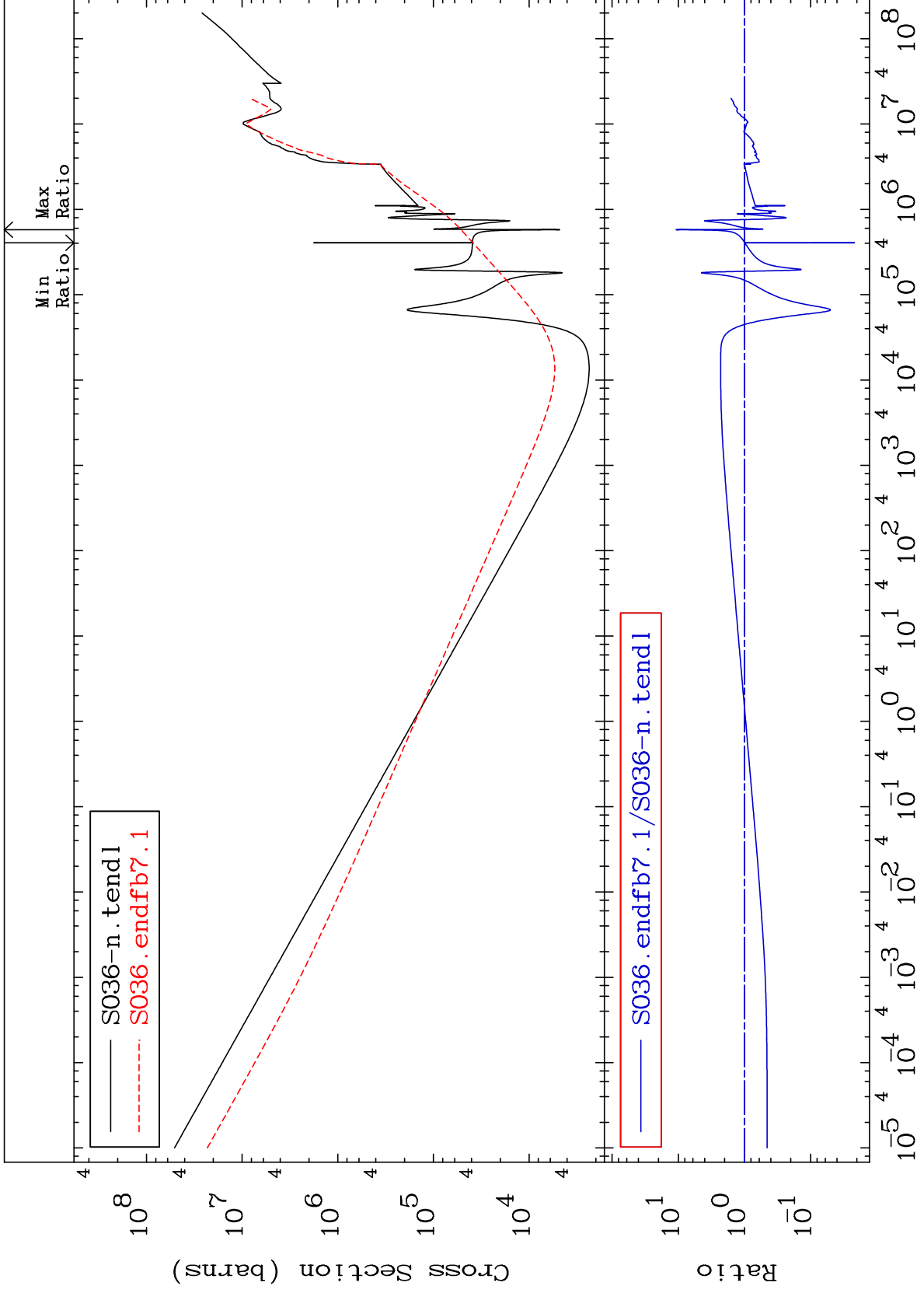
Incident Energy (eV)

16-S -36

MAT 1637

Kerma total (eV-barns)
Cross Section

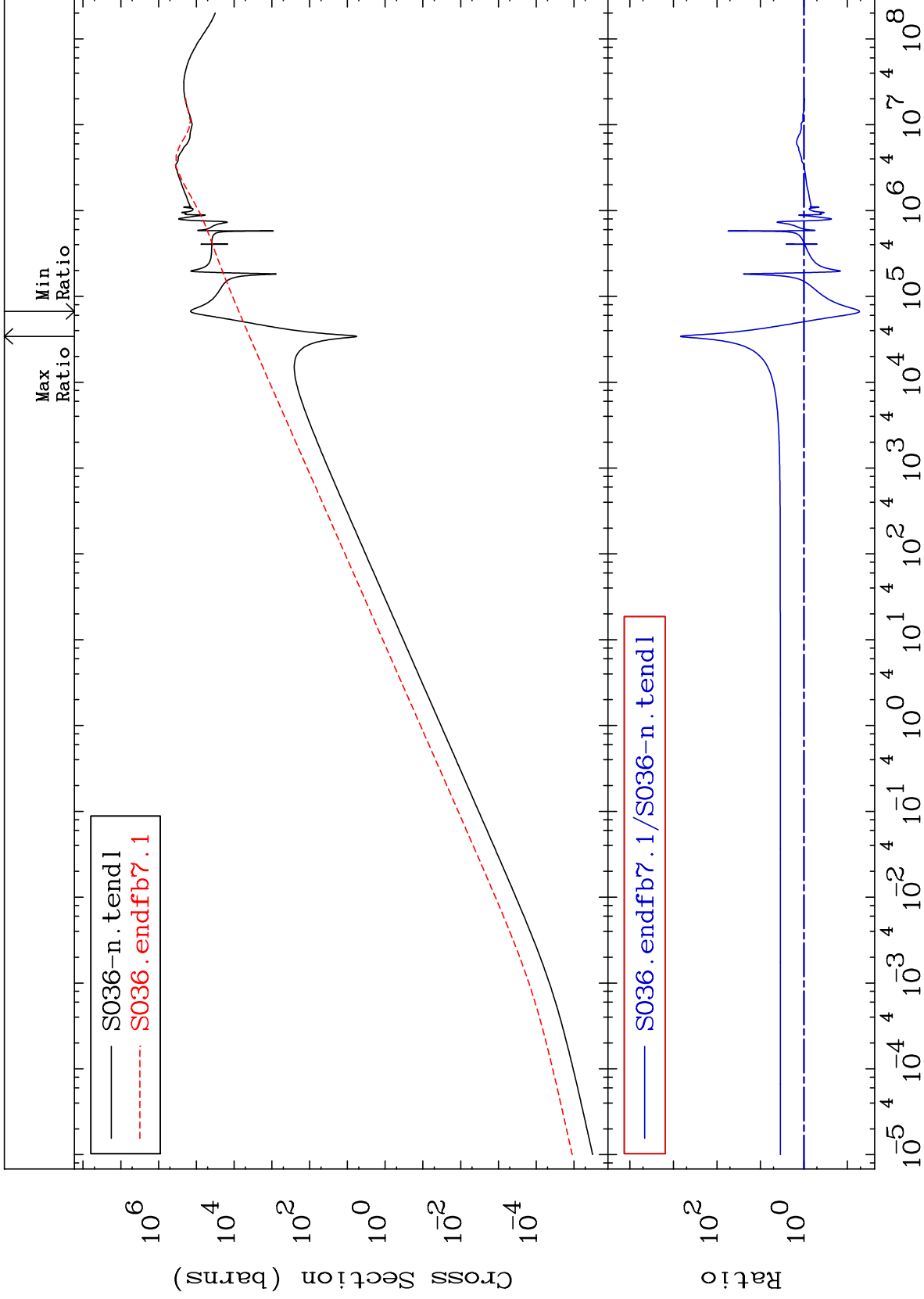
16-S -36
-97.82 To 970.2 %



18

Incident Energy (eV)

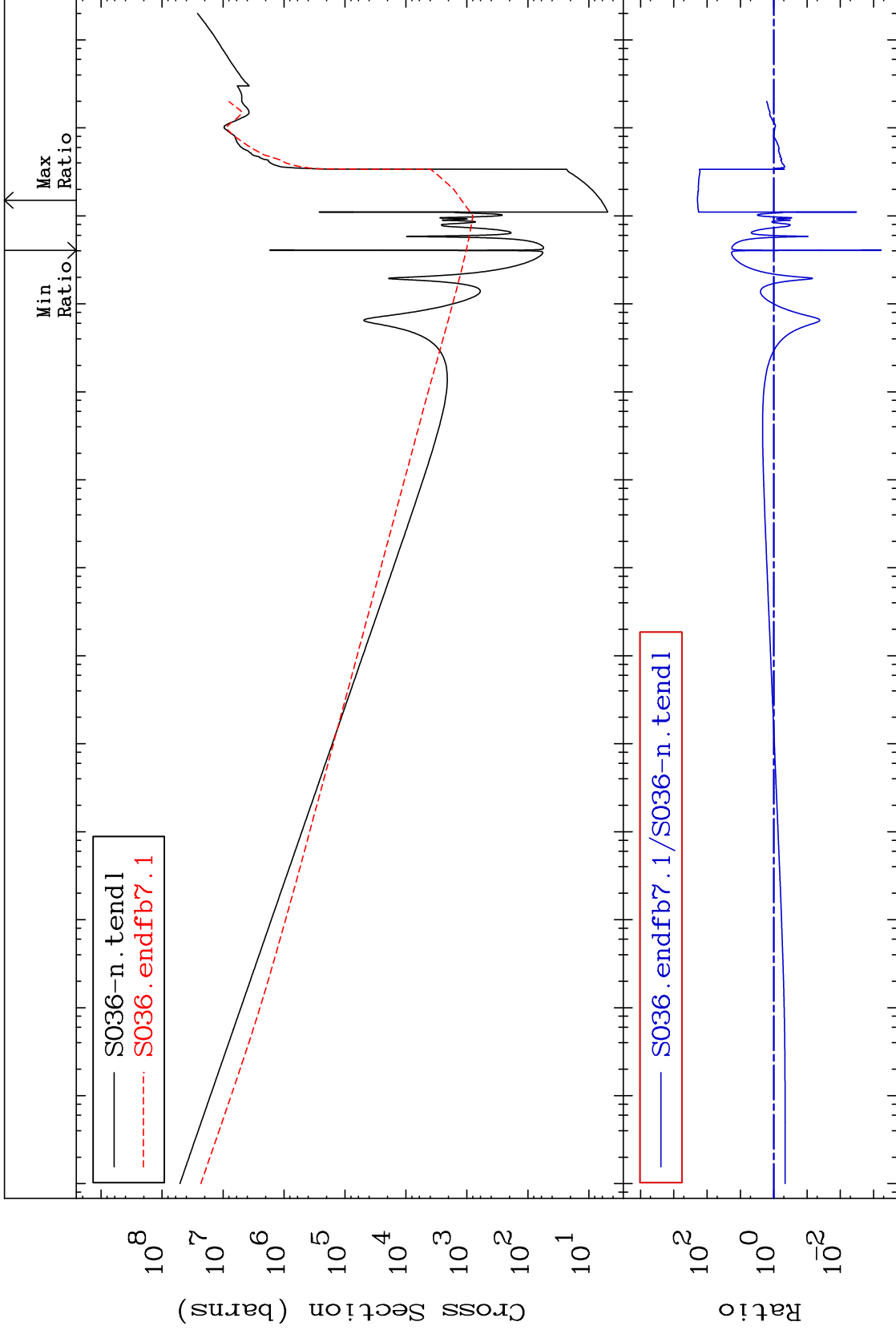
16-S -36



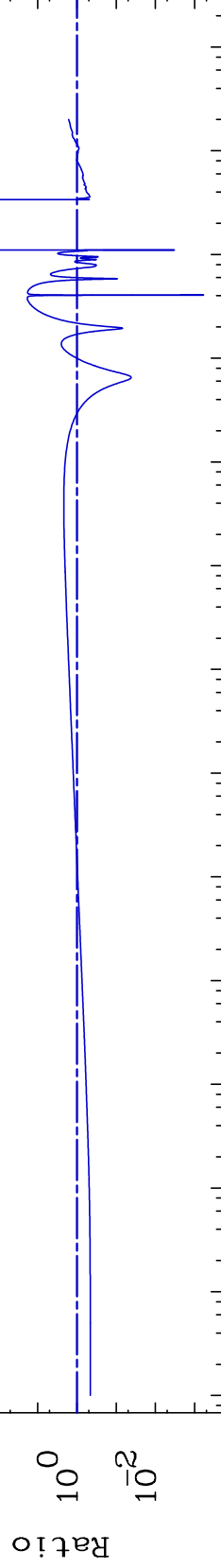
MAT 1637

Kerma non-elastic (all but mt2)
Cross Section

16-S -36
-99.94 To 9999. %



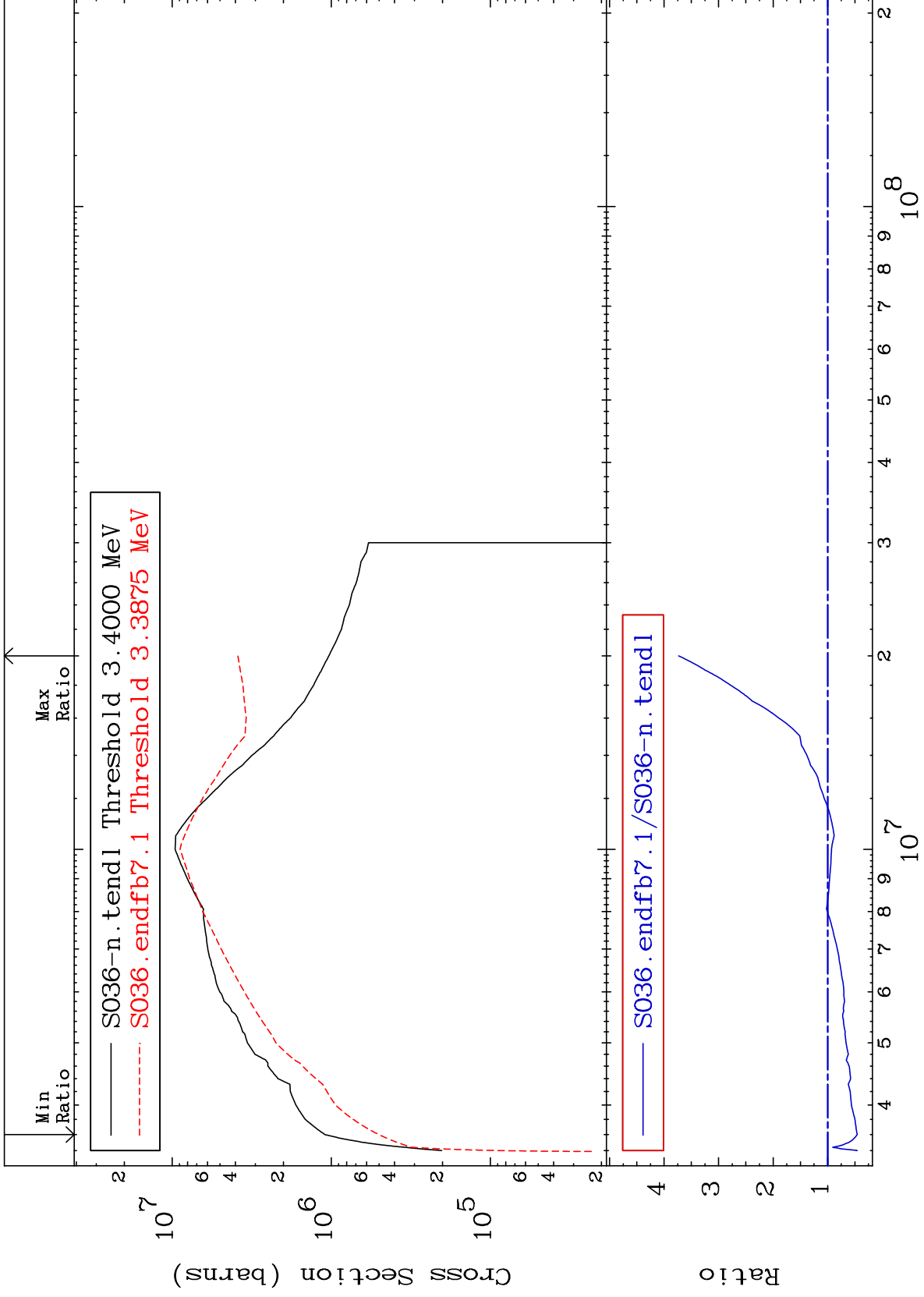
S036.endfb7.1/S036-n.tendl



20

Incident Energy (eV)

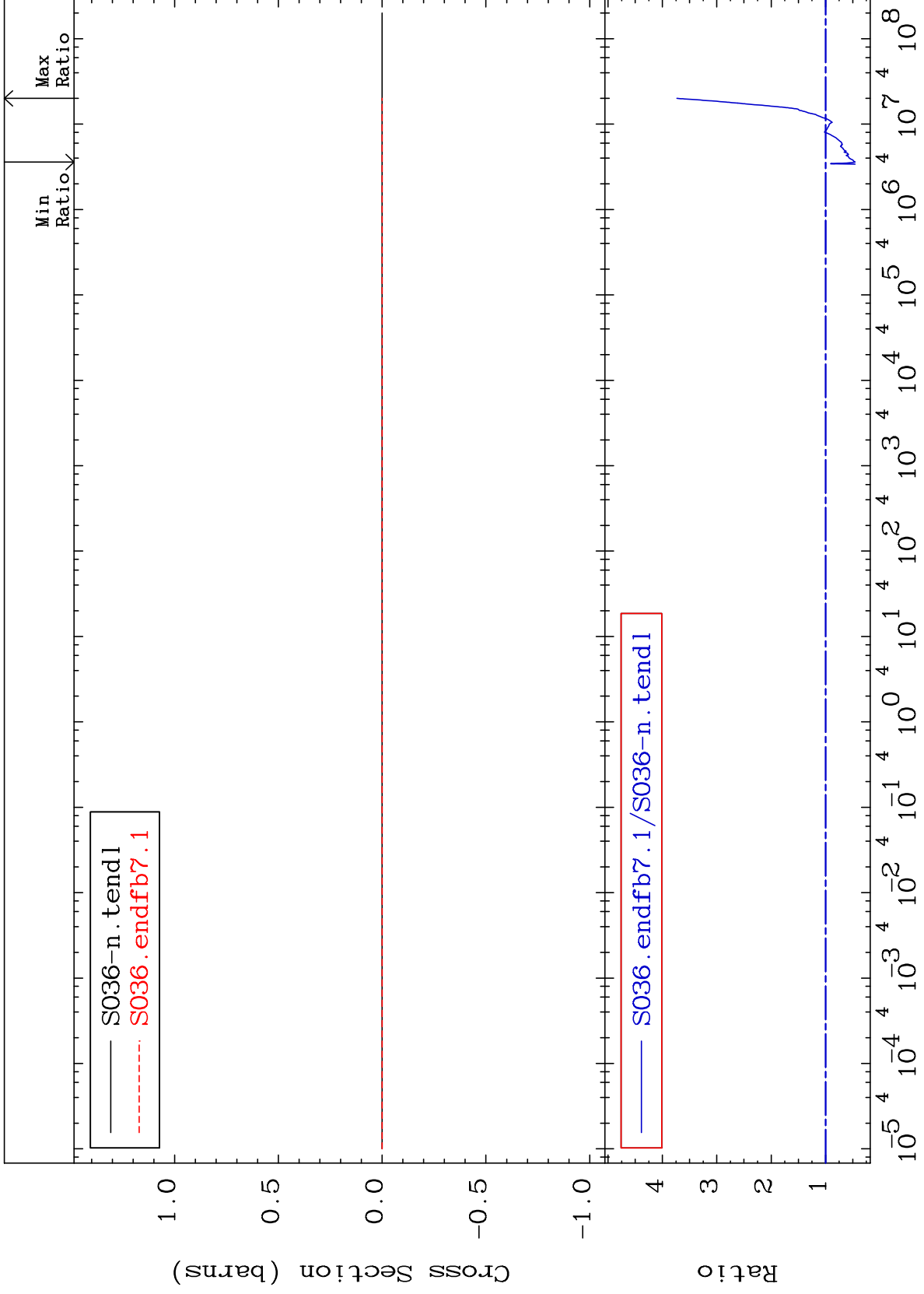
16-S -36



MAT 1637

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

16-S -36
-54.26 To 273.3 %



22

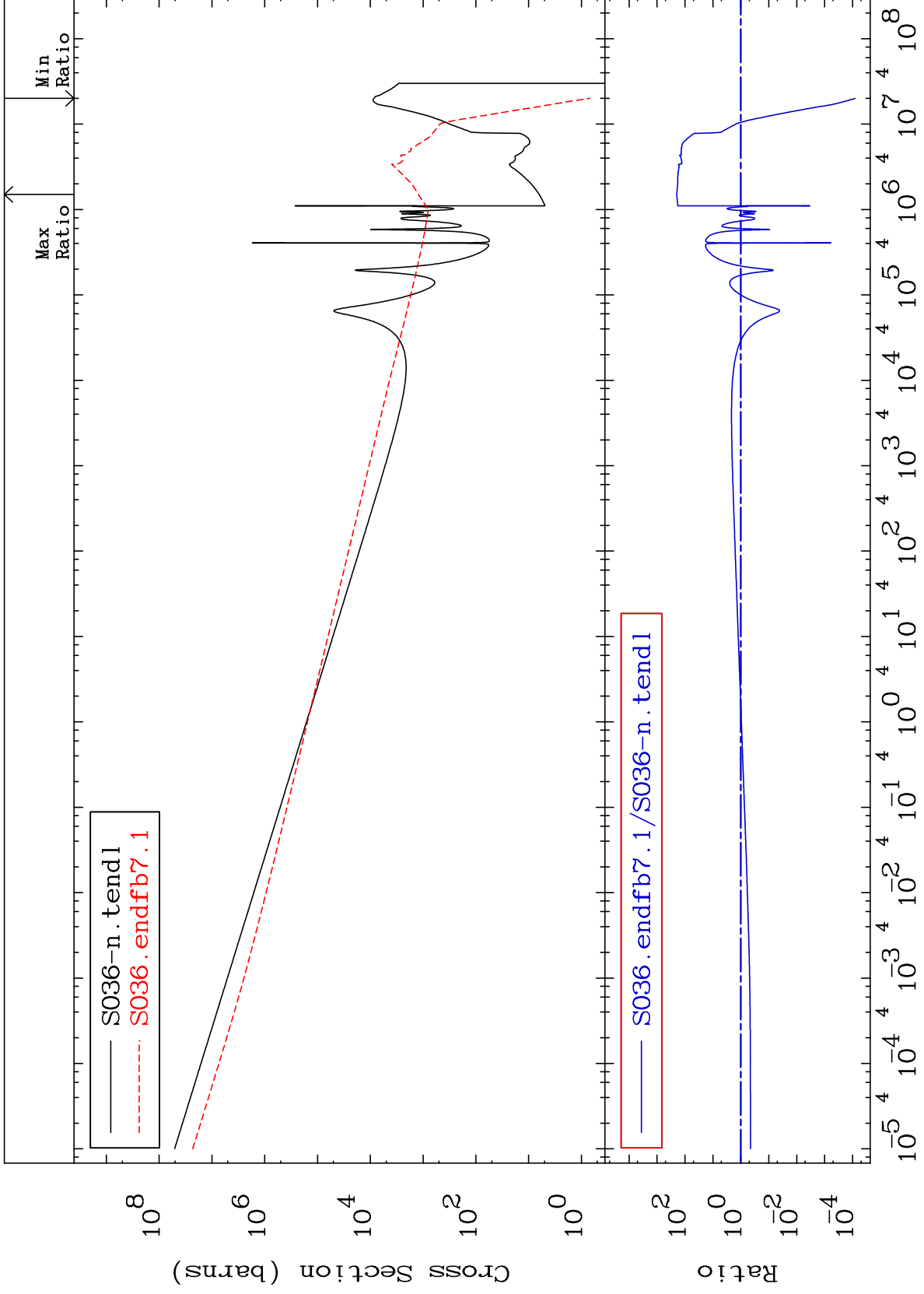
Incident Energy (eV)

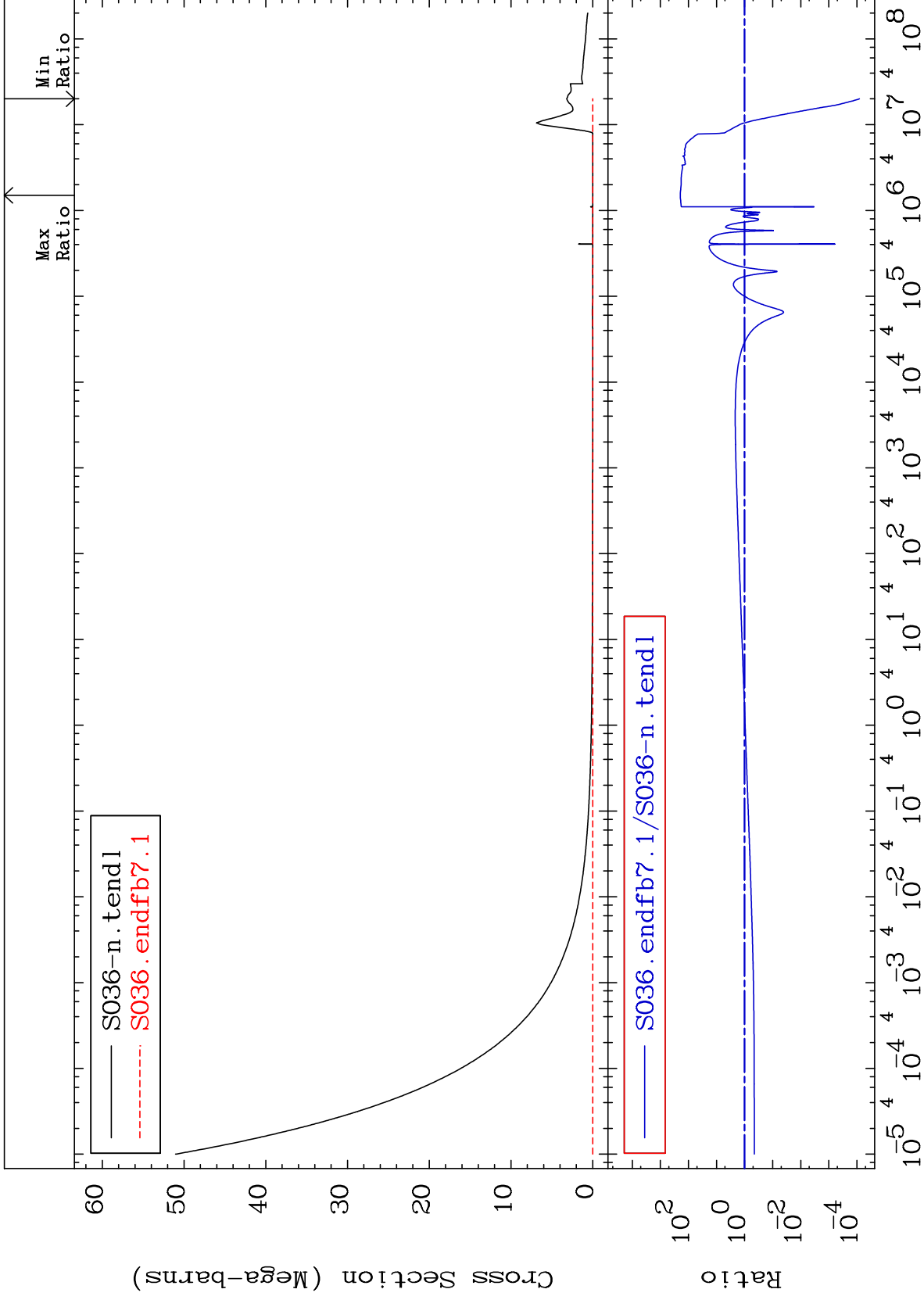
16-S -36

MAT 1637

Kerma capture (mt102)
Cross Section

-99.99 To 9999. %
16-S -36





MAT 1637

Total kinematic kerma (high limit)
Cross Section

16-S -36
-100.0 To 951.1 %

