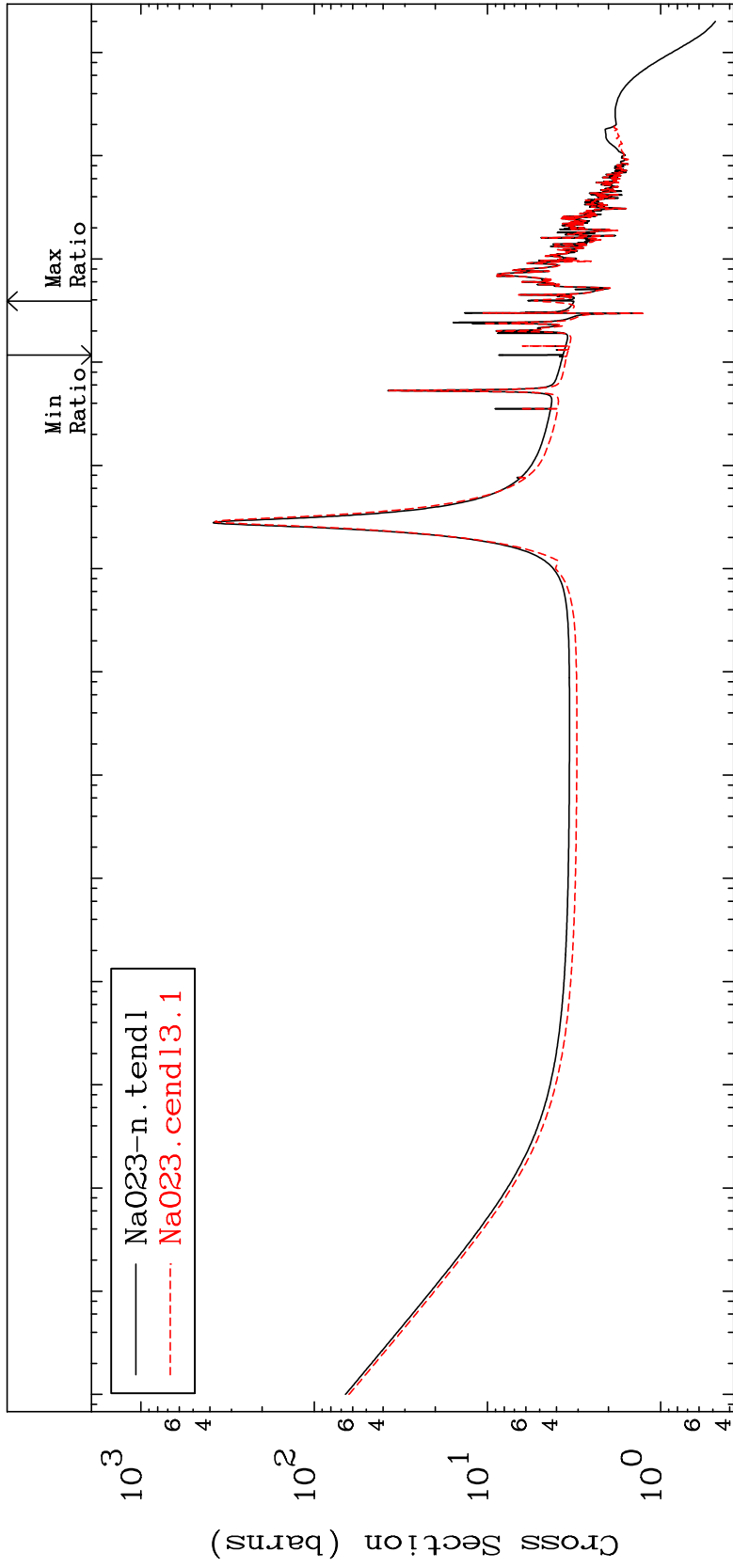


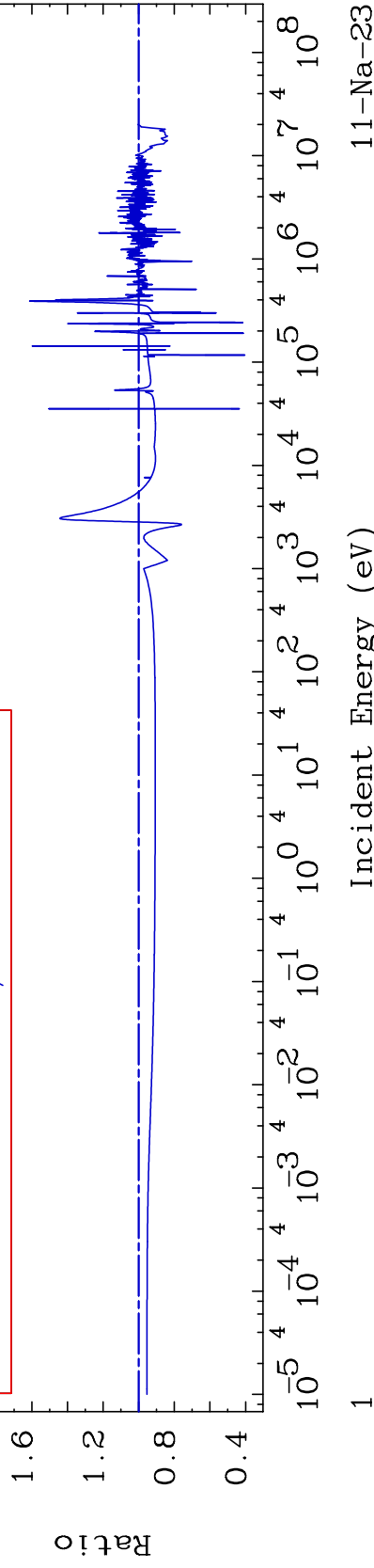
MAT 1125

Total
Cross Section

11-Na-23
-59.50 To 61.33 %



Na023.cendl3.1/Na023-n.tendl



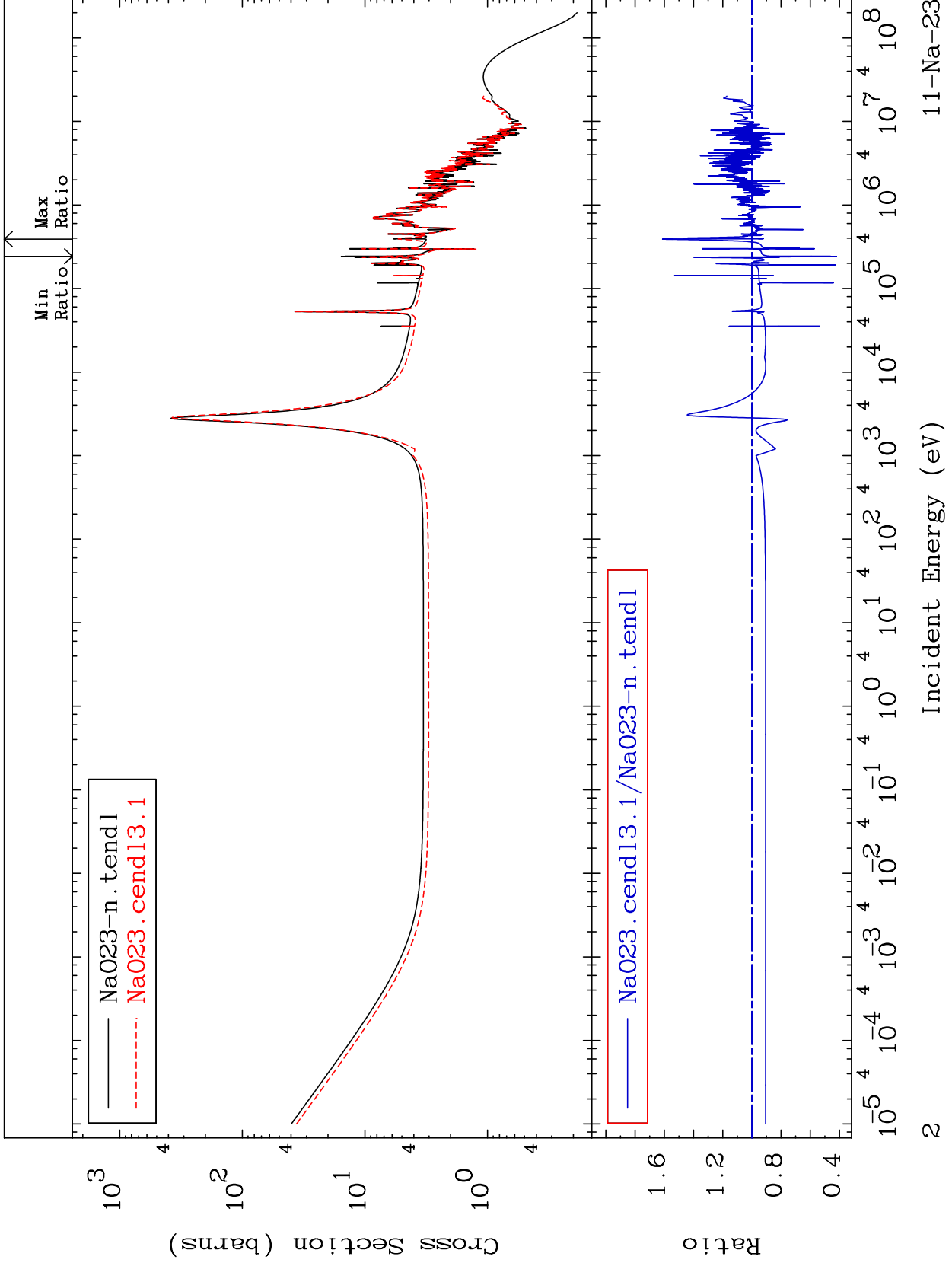
Incident Energy (eV)

11-Na-23

MAT 1125

Elastic
Cross Section

11-Na-23
-58.06 To 61.37 %



11-Na-23

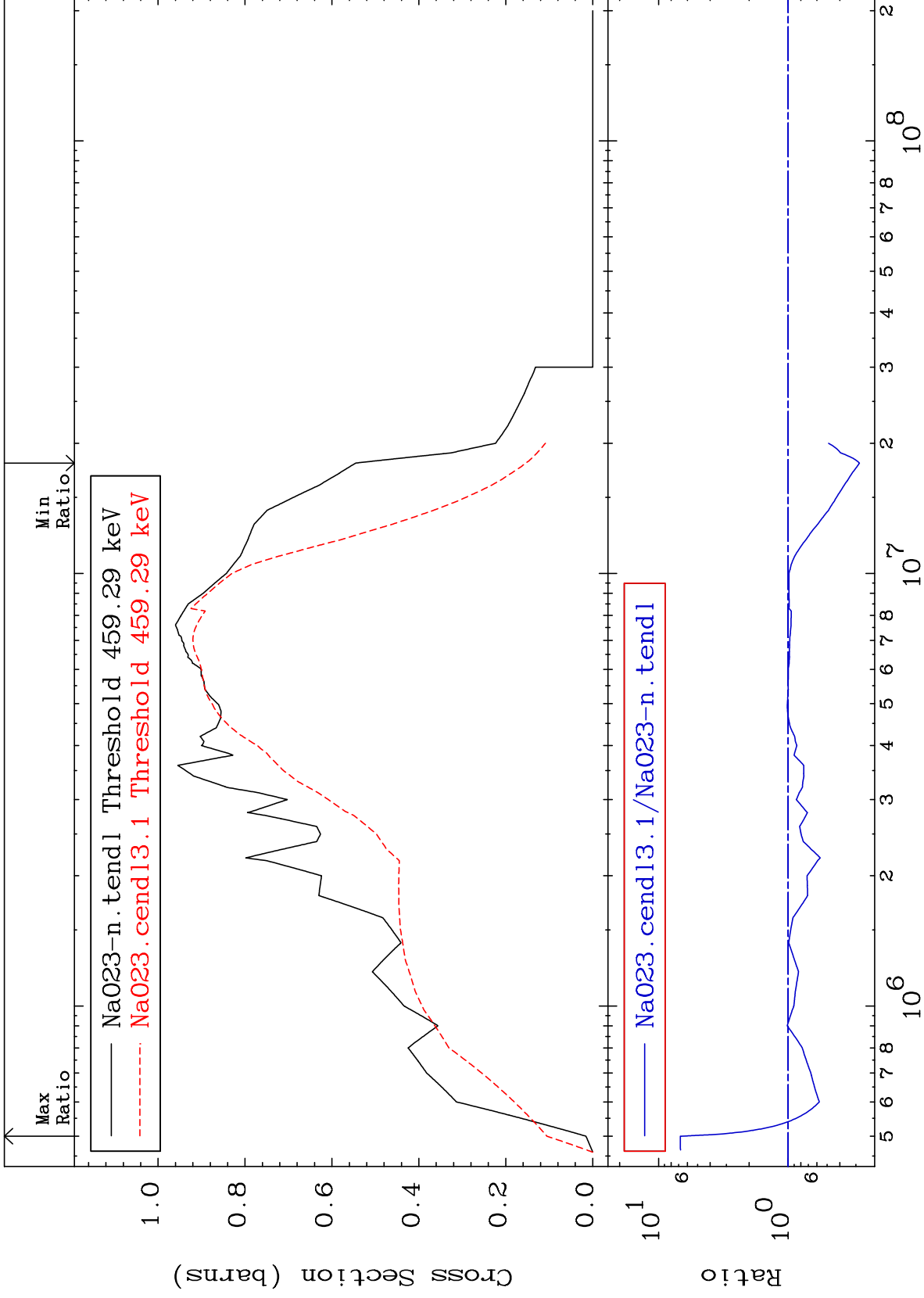
Incident Energy (eV)

2

MAT 1125

Inelastic
Cross Section

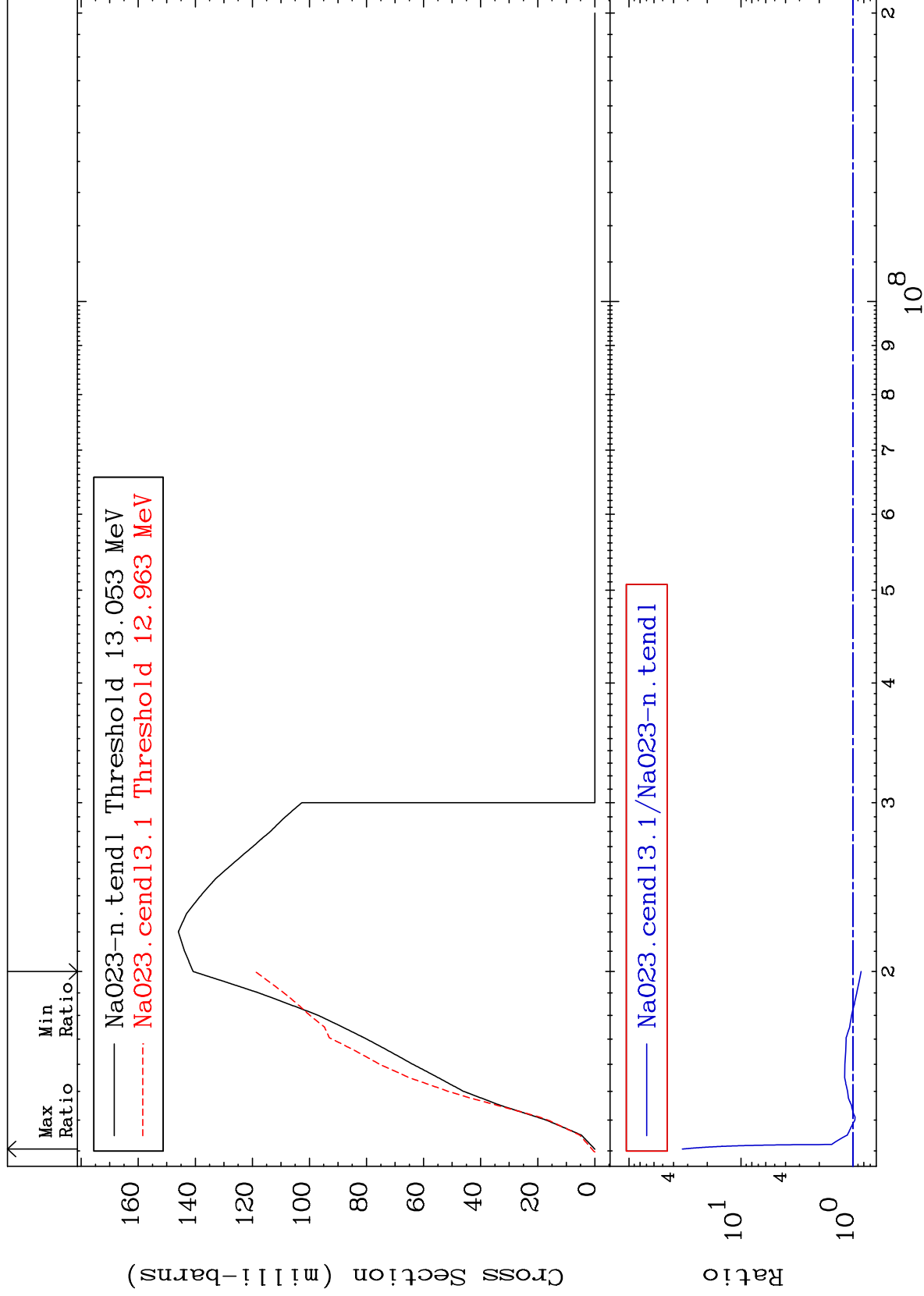
11-Na-23
-71.80 To 579.7 %



MAT 1125

(n,2n)
Cross Section

11-Na-23
-15.45 To 3245. %



4

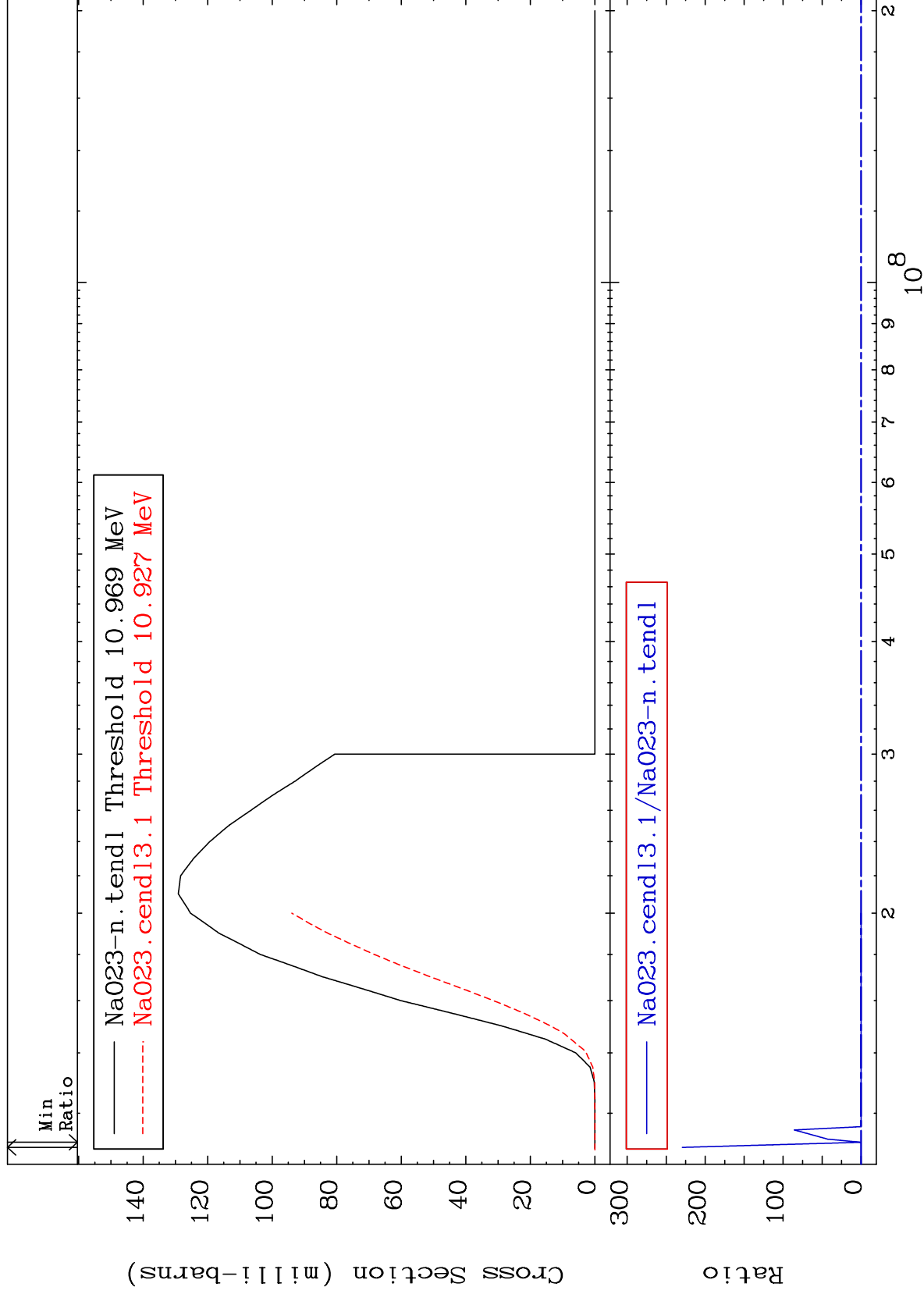
Incident Energy (eV)

11-Na-23

MAT 1125

(n,n') α
Cross Section

11-Na-23
-100.0 To 9999. %



5

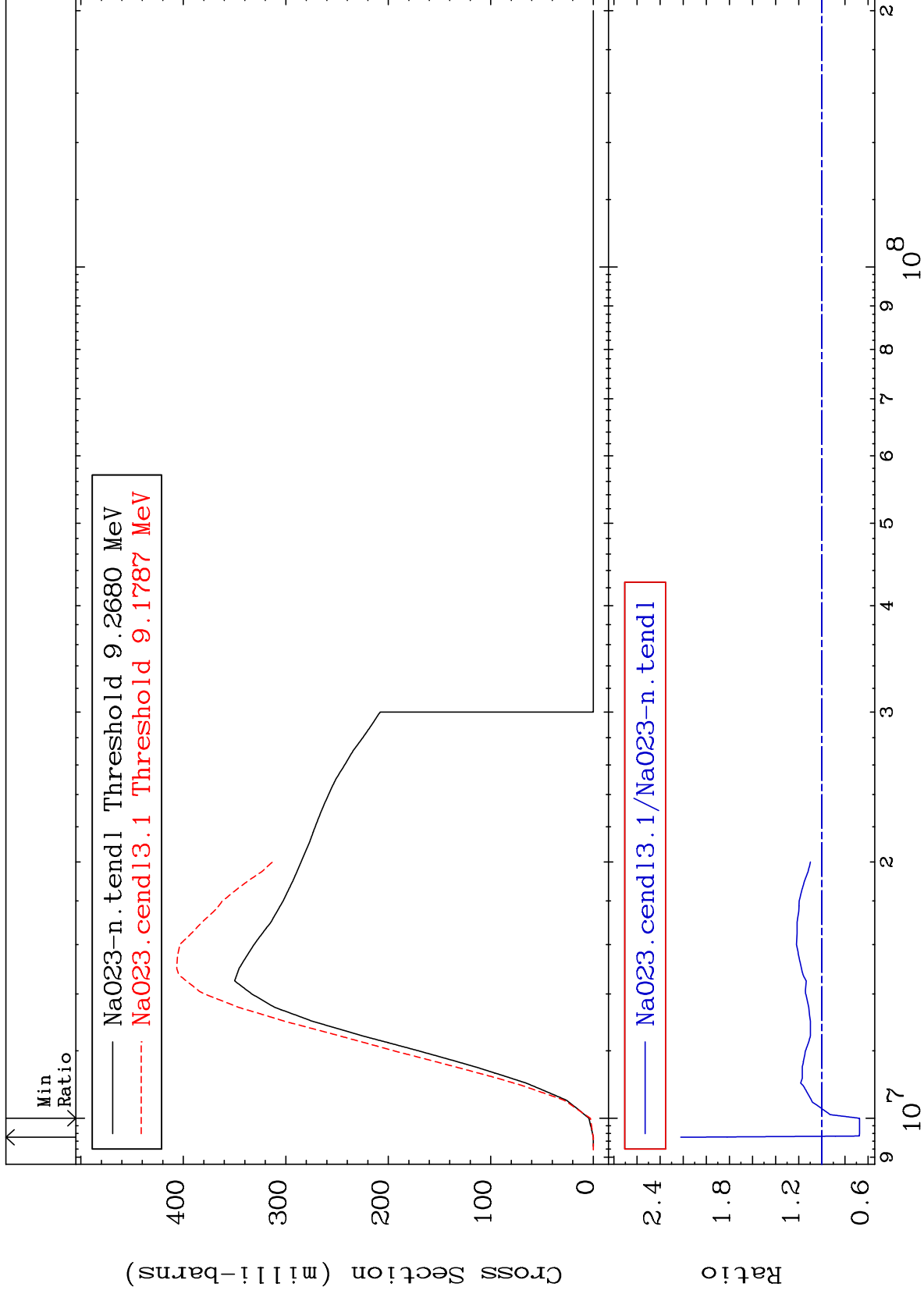
Incident Energy (eV)

11-Na-23

MAT 1125

(n, n') p
Cross Section

11-Na-23
-32.69 To 122.1 %

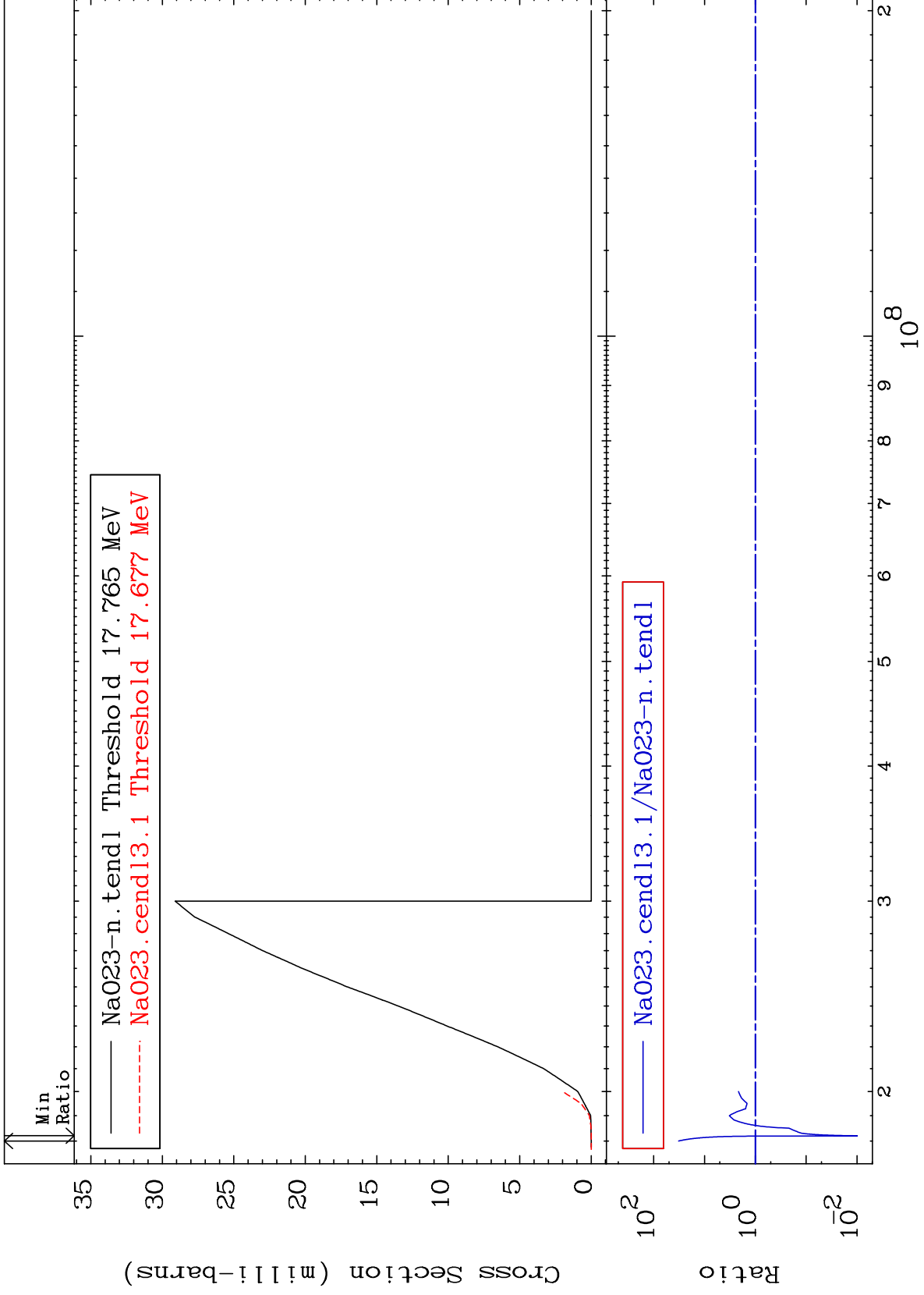


11-Na-23

MAT 1125

(n,n') d
Cross Section

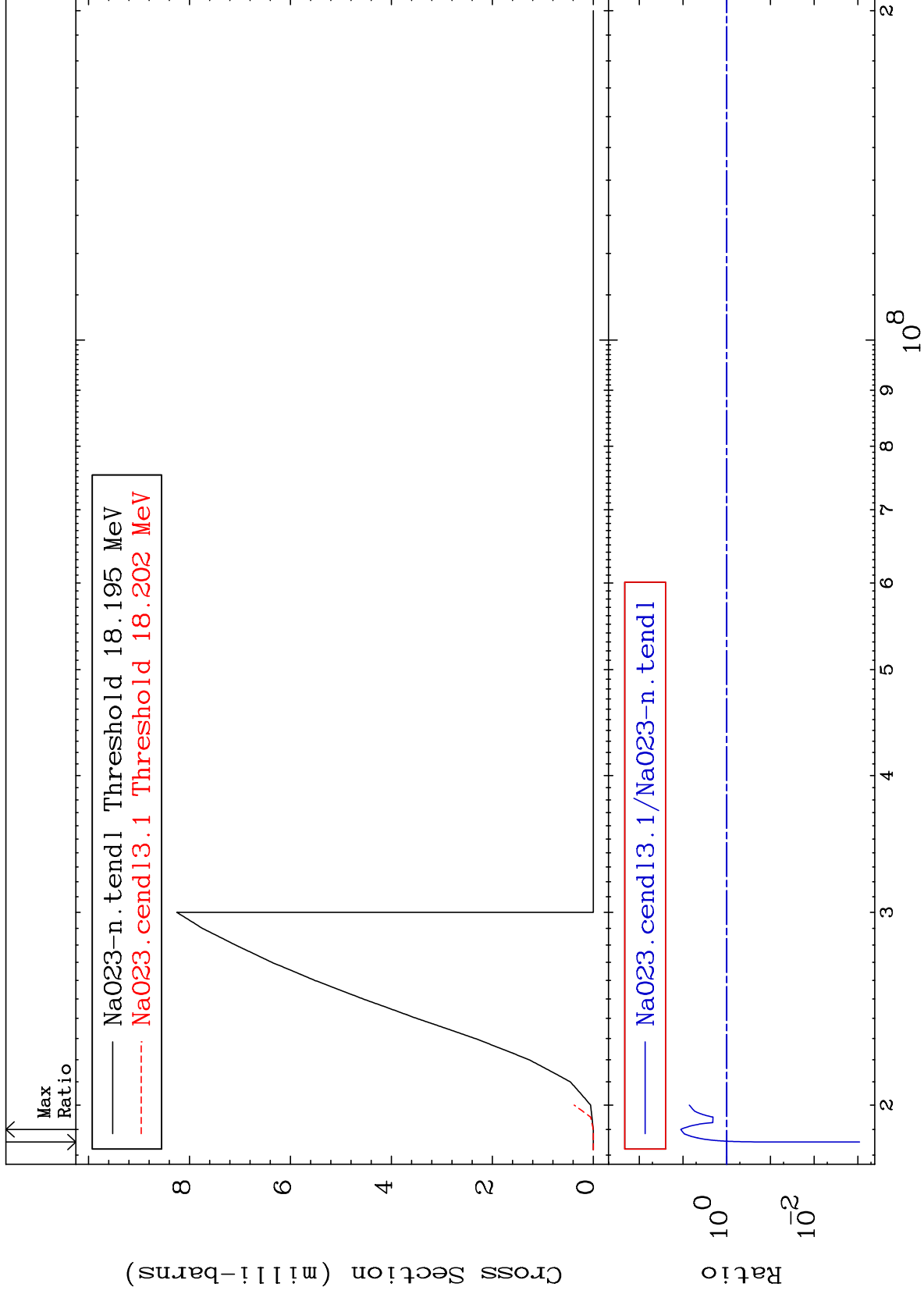
11-Na-23
-99.01 To 3131. %



MAT 1125

(n,n') t
Cross Section

11-Na-23
-99.91 To 1024. %



8

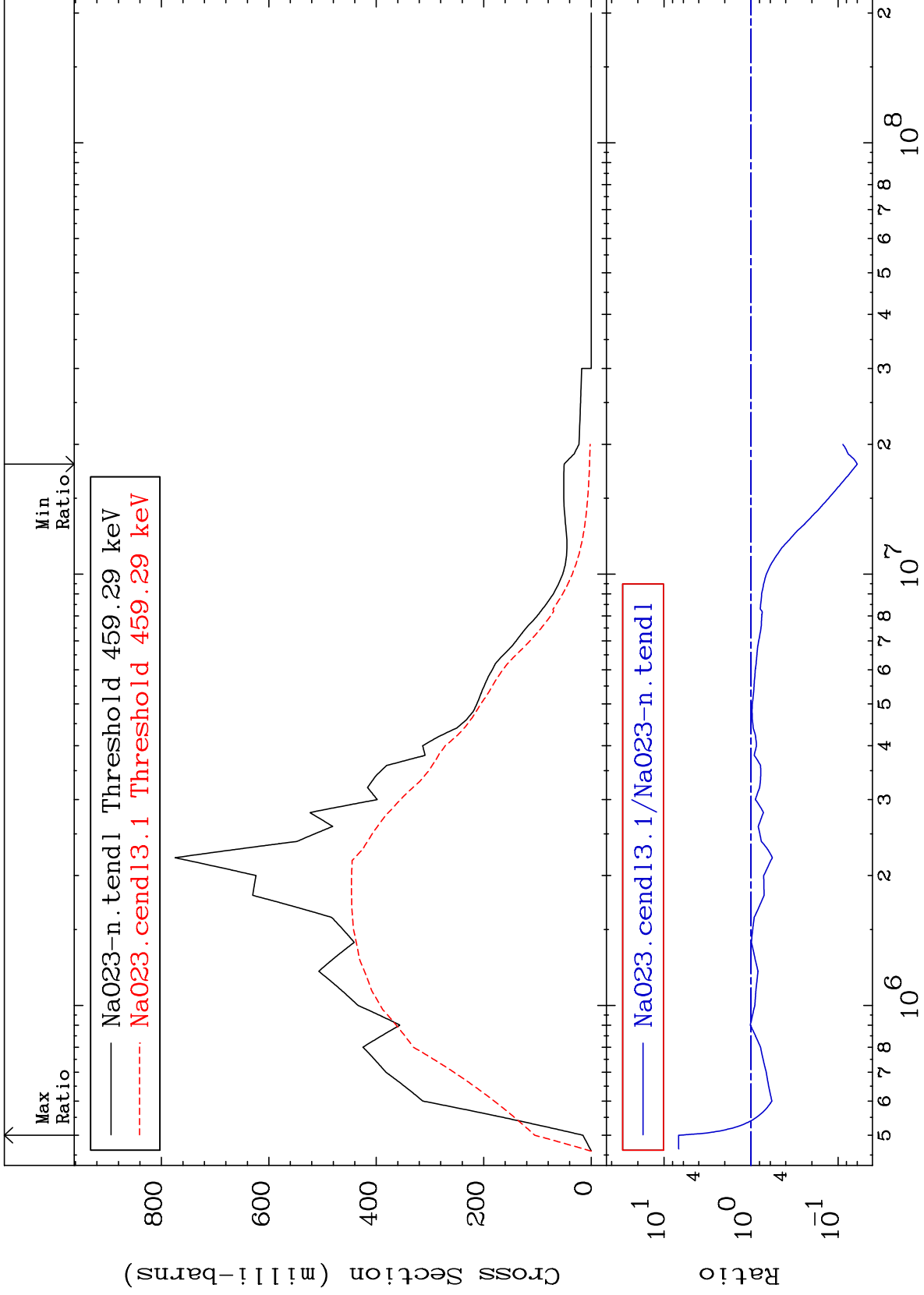
11-Na-23

11-Na-23

MAT 1125

440.0 keV (n,n') Level
Cross Section

11-Na-23
-93.99 To 579.7 %



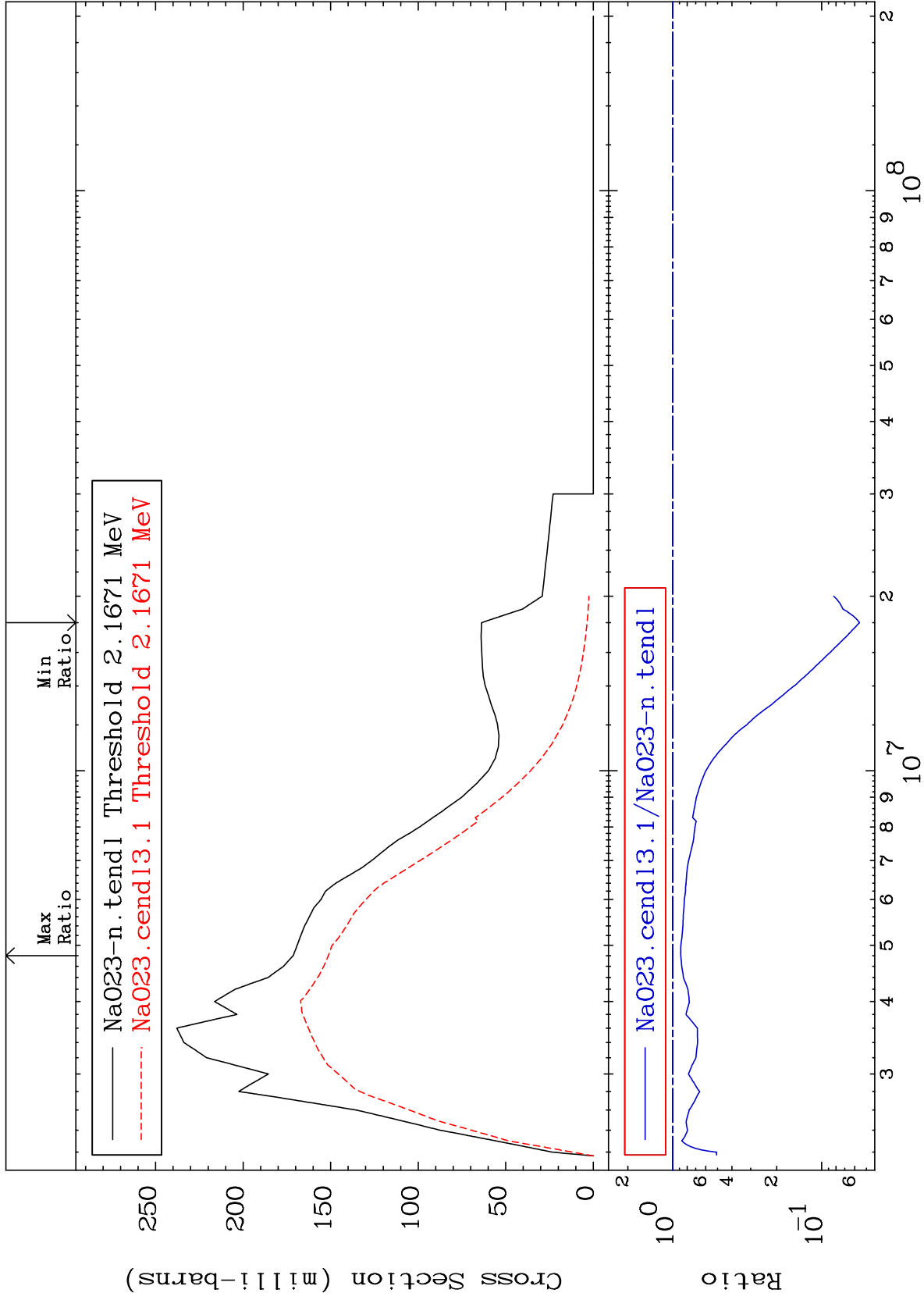
MAT 1125

2.076 MeV (n,n') Level

11-Na-23

-94.44 To -11.72%

Cross Section



10

Incident Energy (eV)

11-Na-23

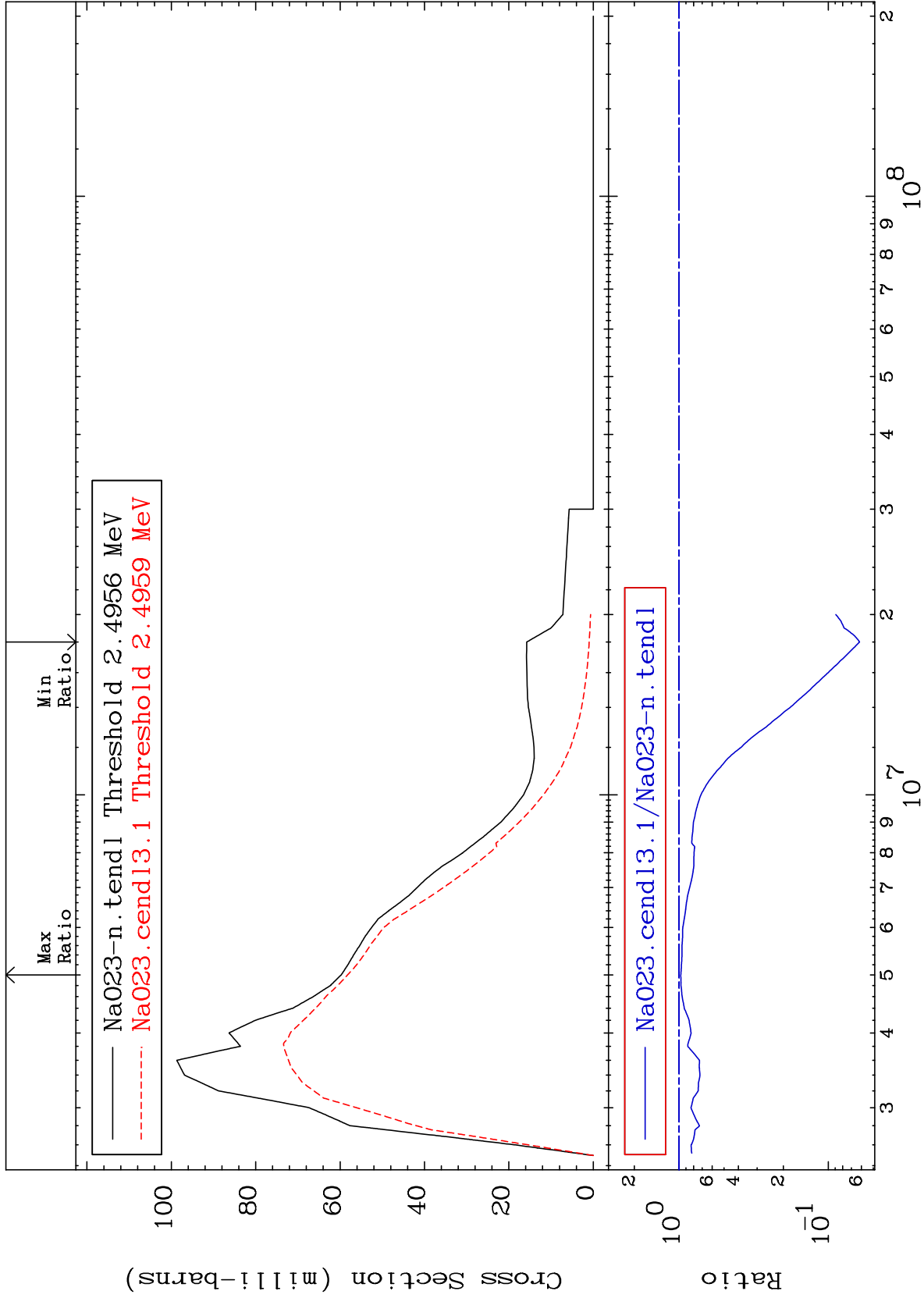
MAT 1125

2.391 MeV (n,n') Level

11-Na-23

-93.83 To -2.503%

Cross Section



11

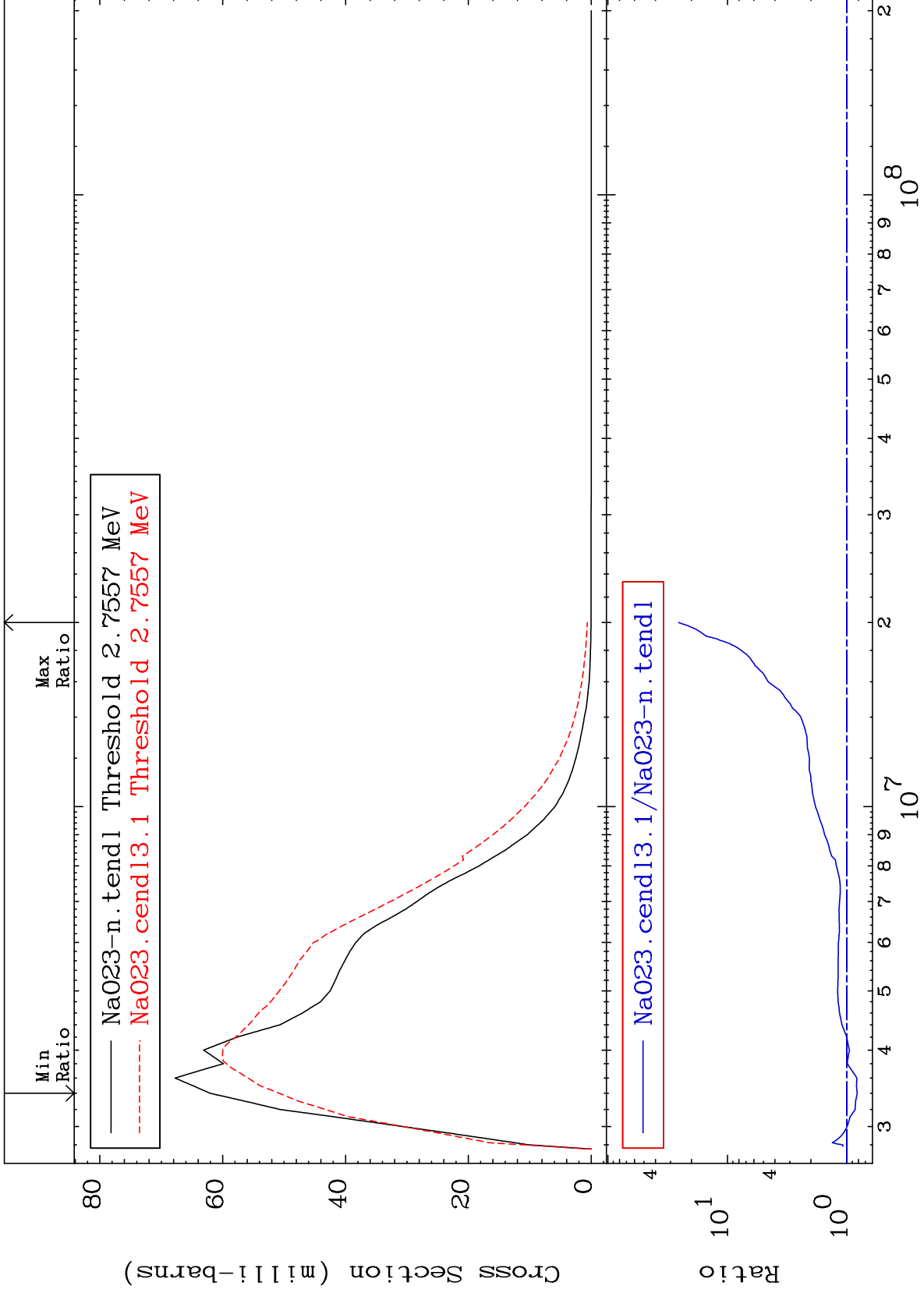
Incident Energy (eV)

11-Na-23

MAT 1125

2.640 MeV (n,n') Level
Cross Section

11-Na-23
-18.12 To 2459. %



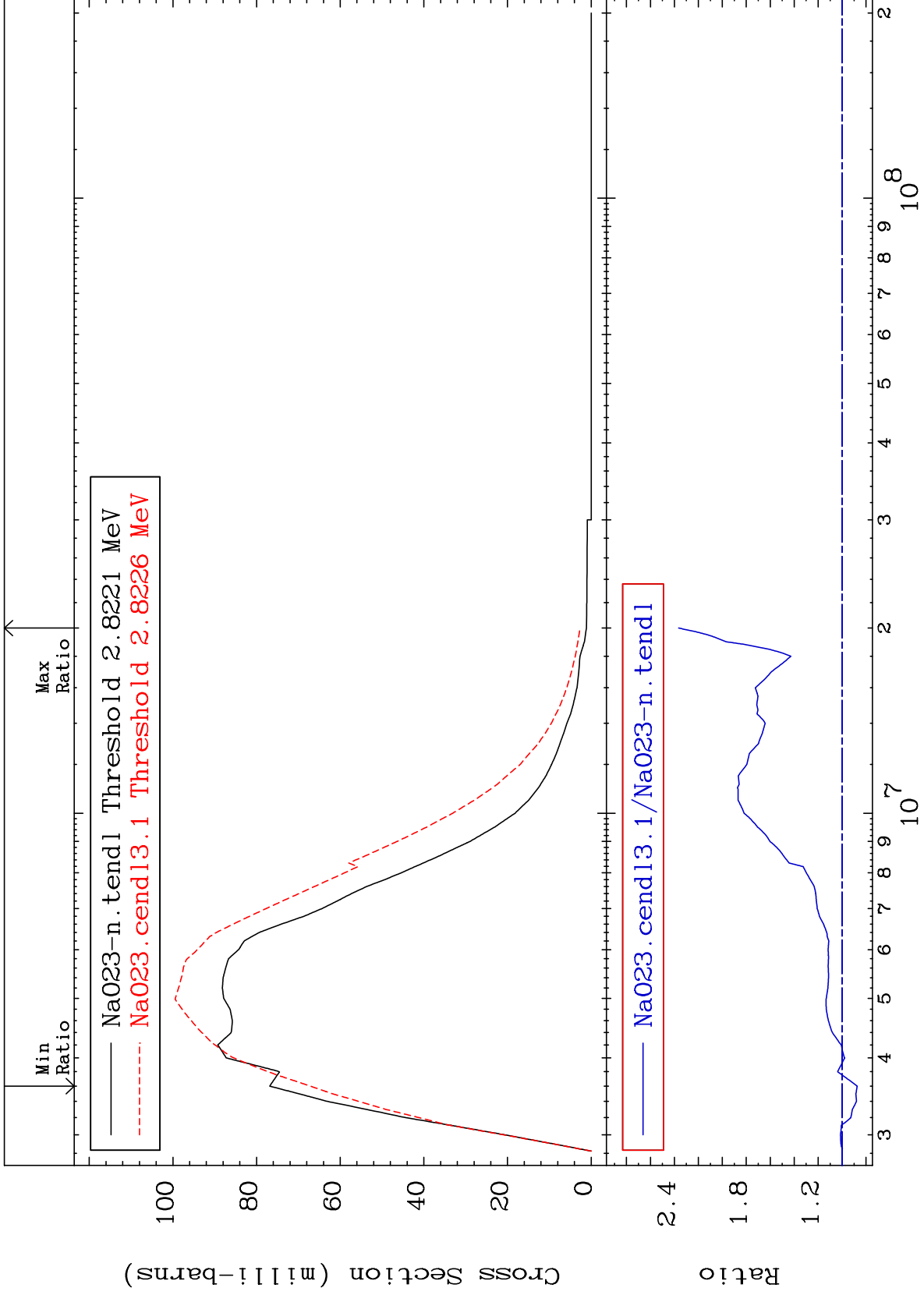
12

11-Na-23

MAT 1125

2.704 MeV (n,n') Level
Cross Section

11-Na-23
-12.63 To 136.4 %



13

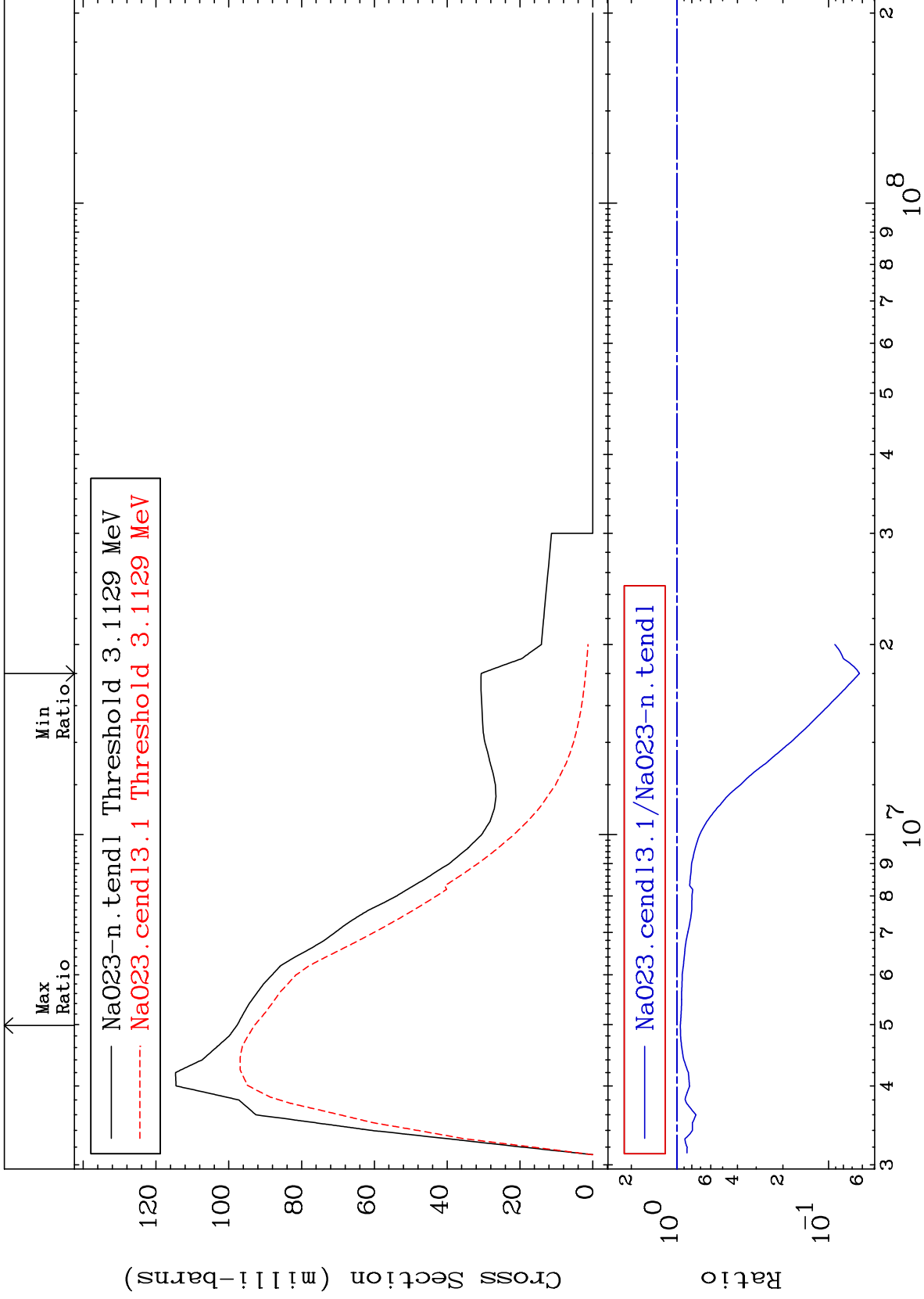
Incident Energy (eV)

11-Na-23

MAT 1125

2.982 MeV (n,n') Level
Cross Section

11-Na-23
-93.74 To -4.920%



14

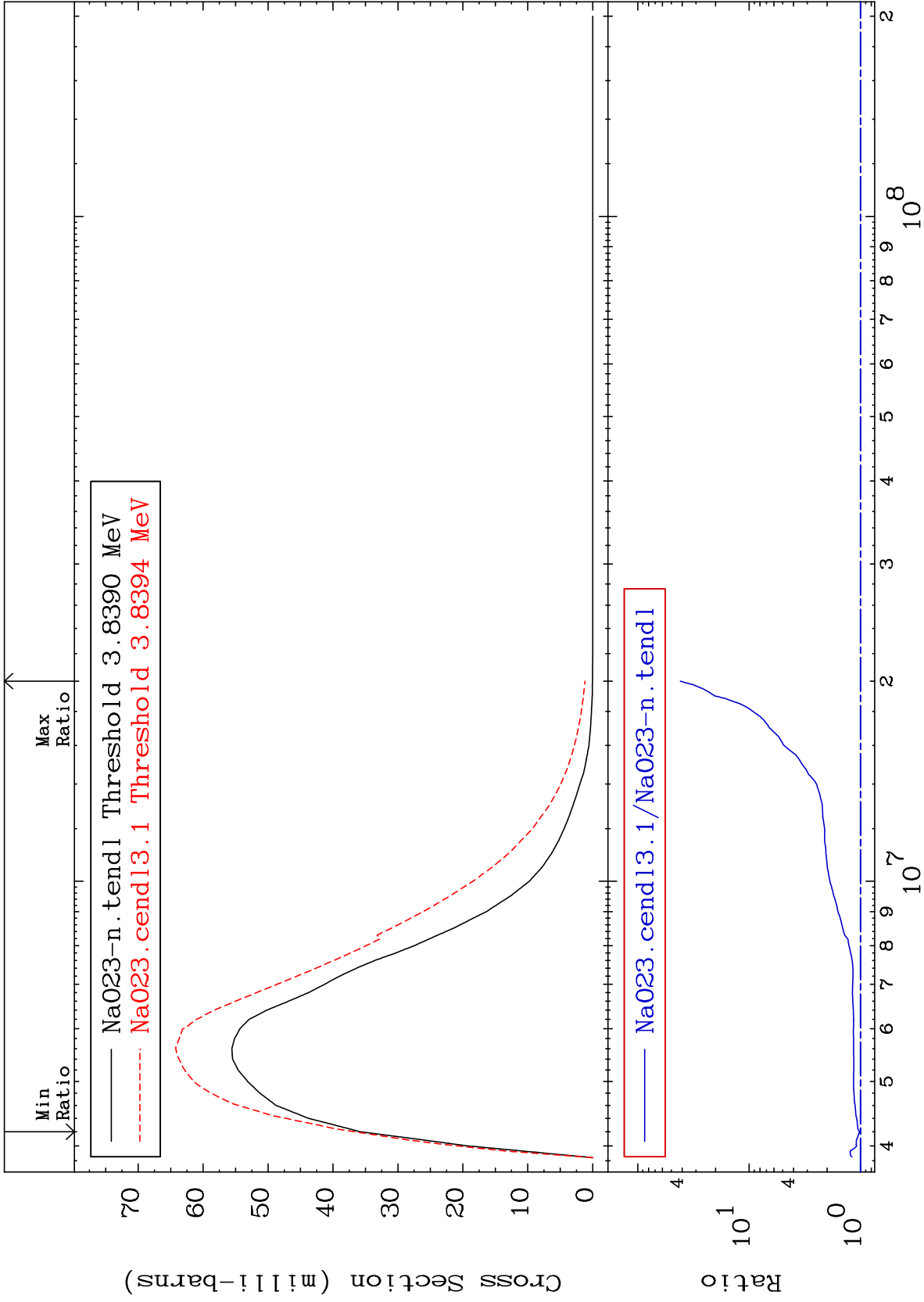
Incident Energy (eV)

11-Na-23

MAT 1125

3.678 MeV (n,n') Level
Cross Section

11-Na-23
2.344 To 4046. %



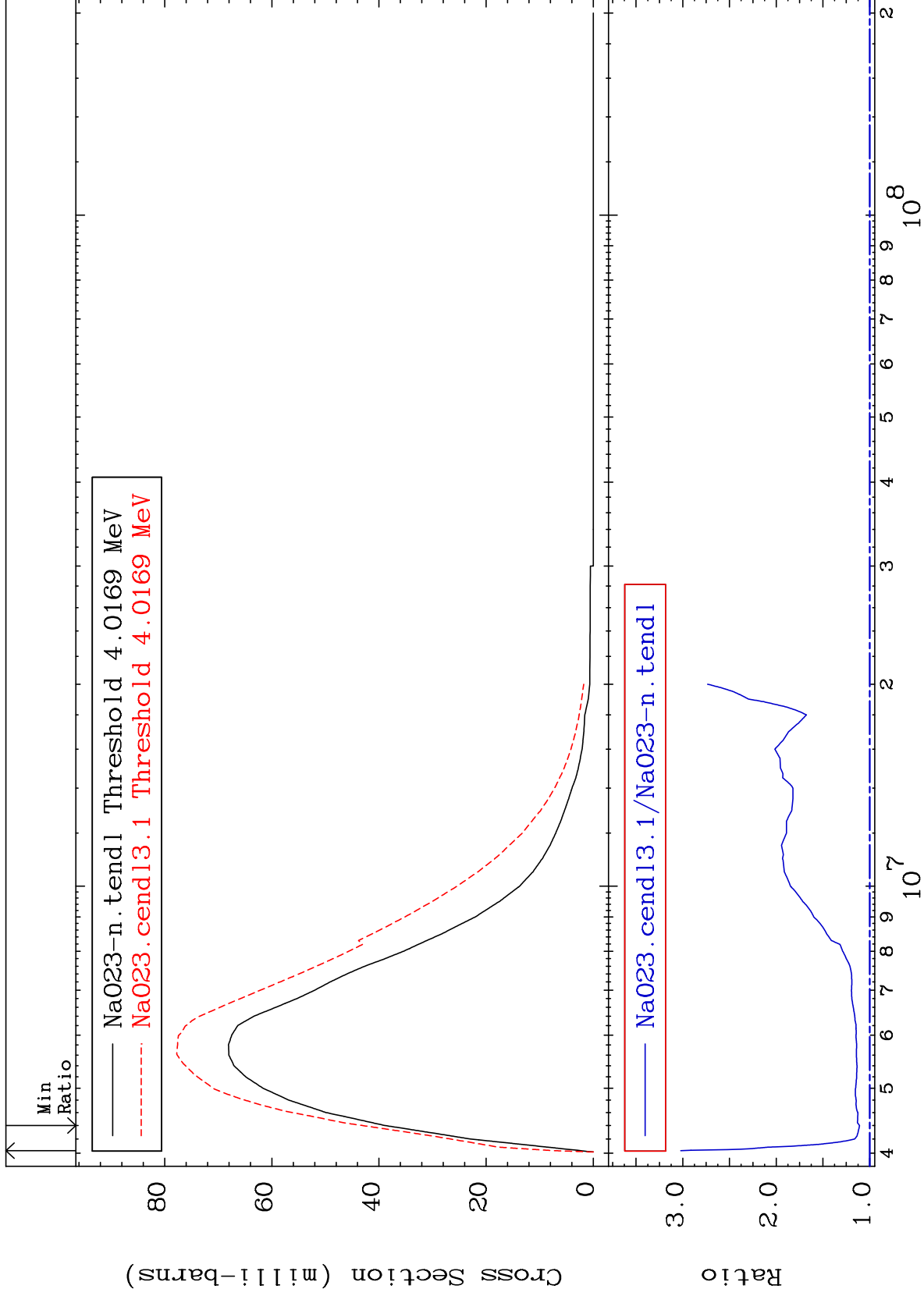
15

11-Na-23

MAT 1125

3.848 MeV (n,n') Level
Cross Section

10.85 To 202.2 %
11-Na-23



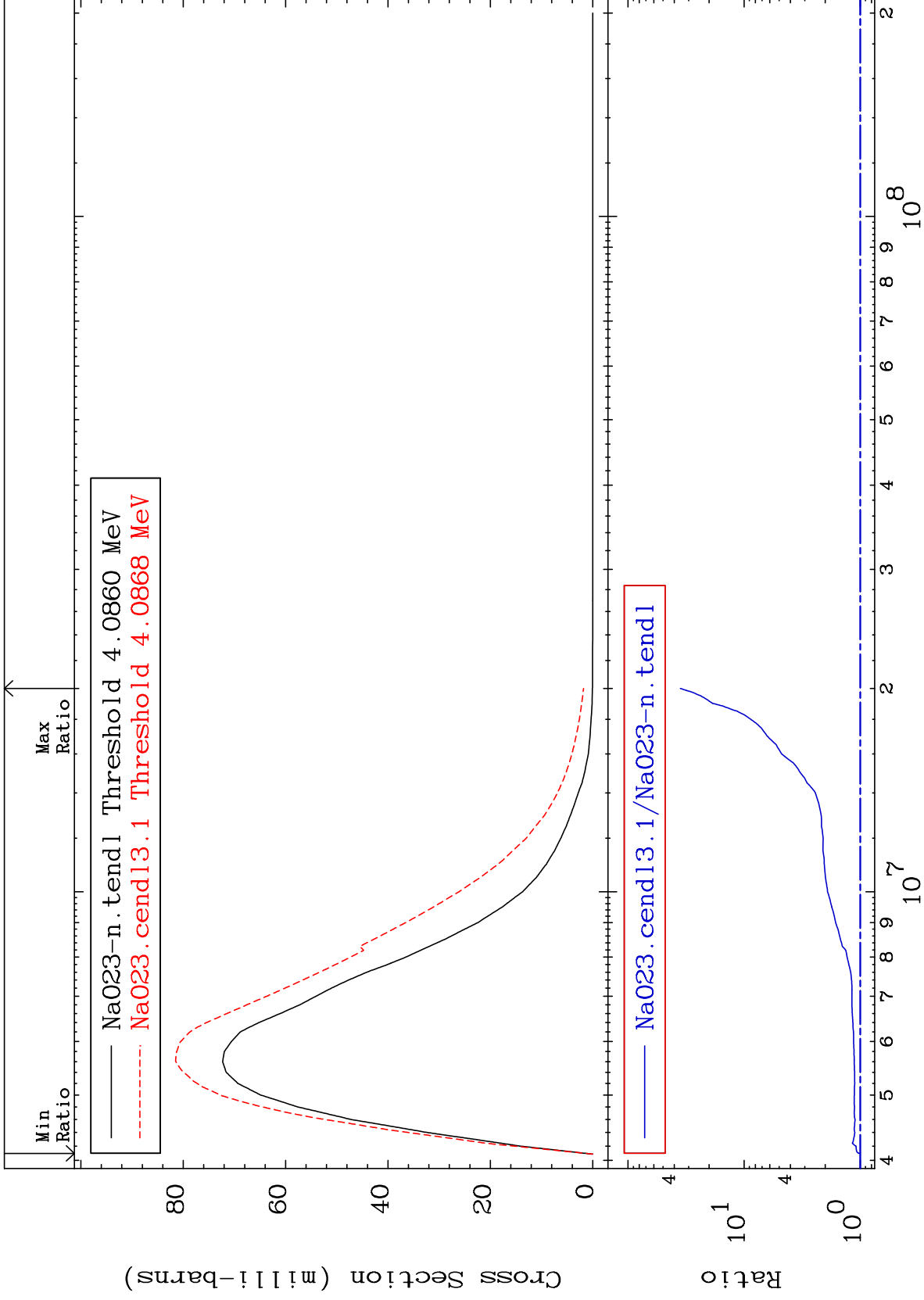
16

11-Na-23

MAT 1125

3.914 MeV (n,n') Level
Cross Section

1.578 To 3440. %
11-Na-23



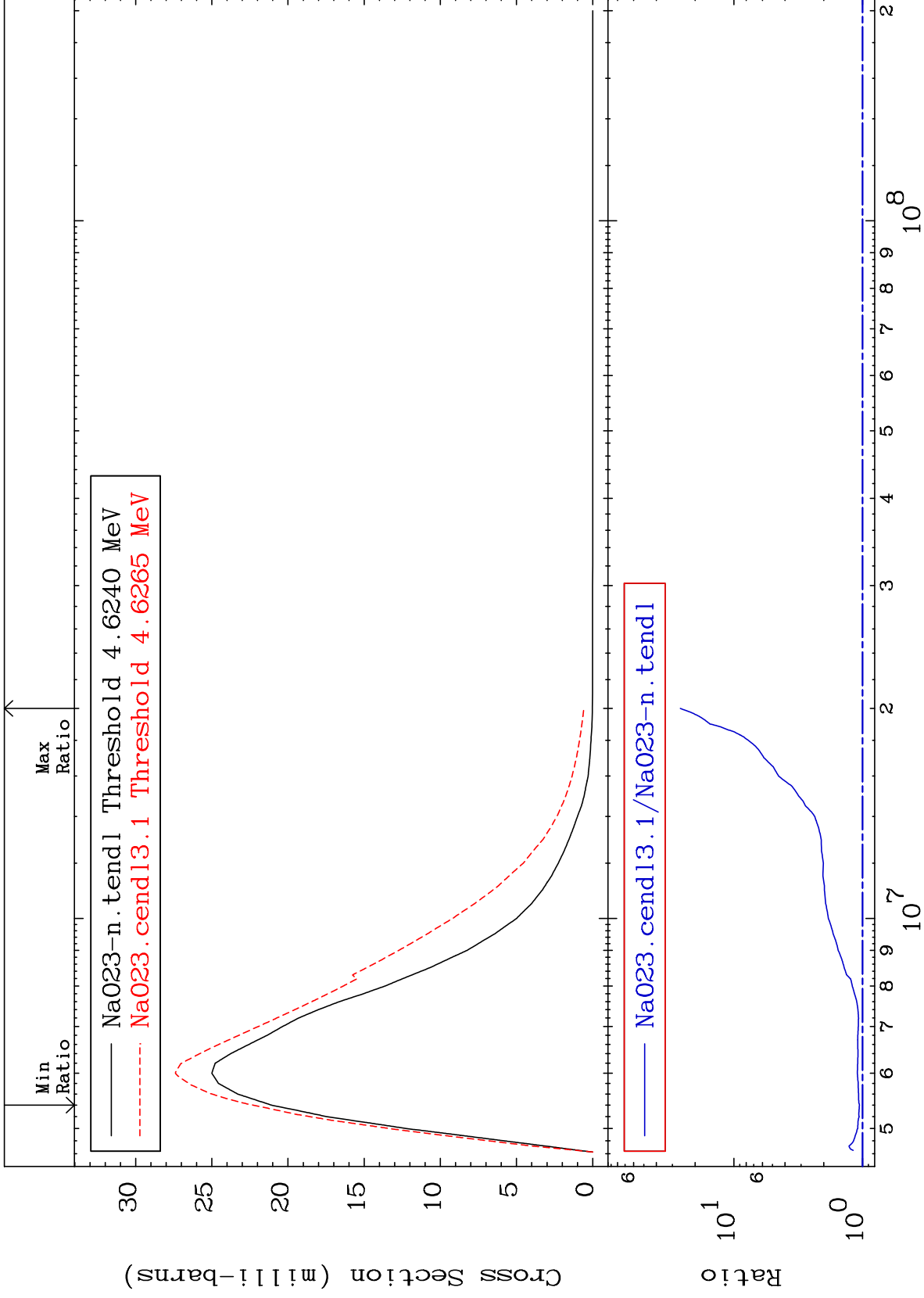
17

11-Na-23

MAT 1125

4.430 MeV (n,n') Level
Cross Section

11-Na-23
5.686 To 2503. %



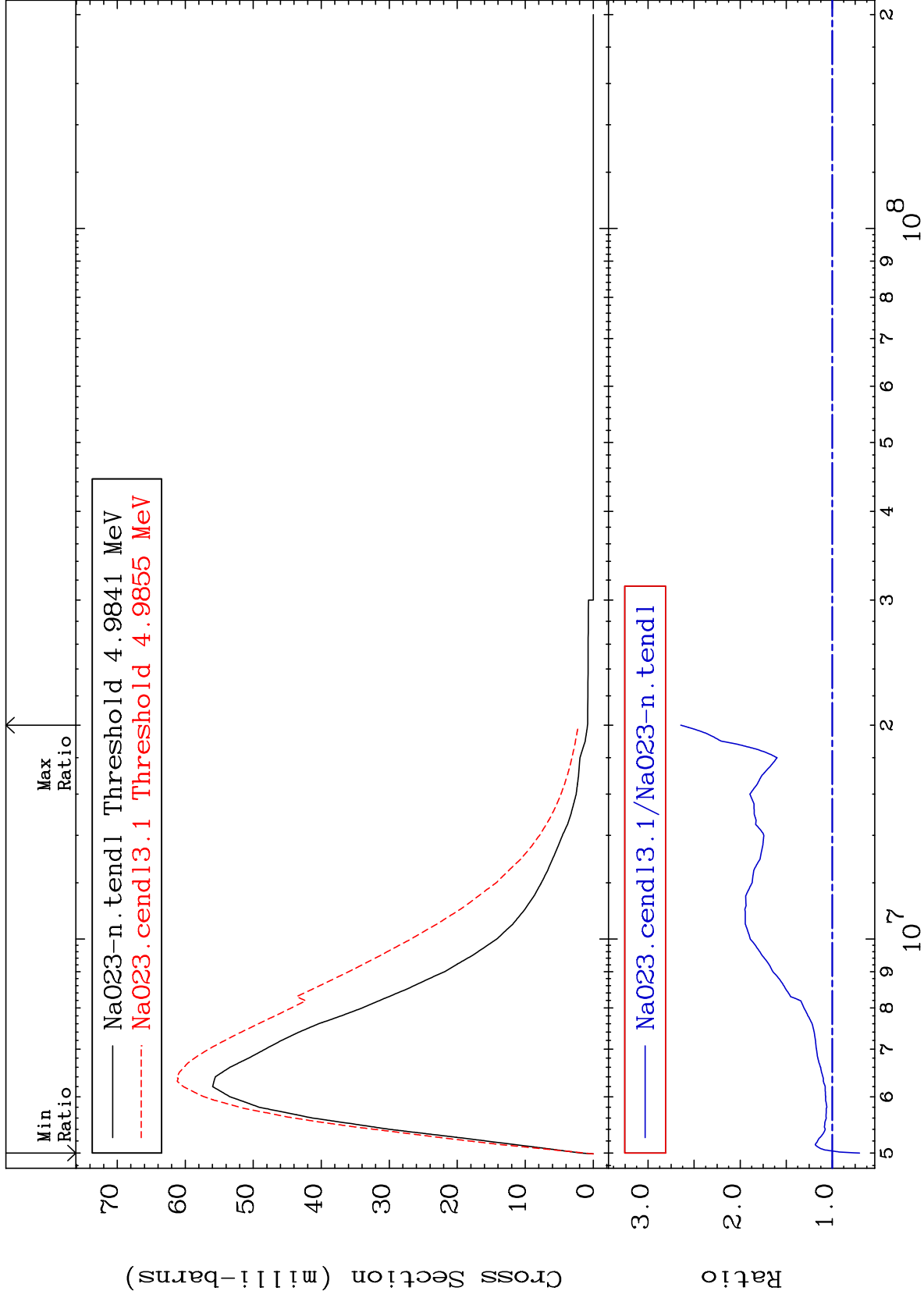
18

11-Na-23

MAT 1125

4.775 MeV (n,n') Level
Cross Section

11-Na-23
-29.66 To 164.5 %



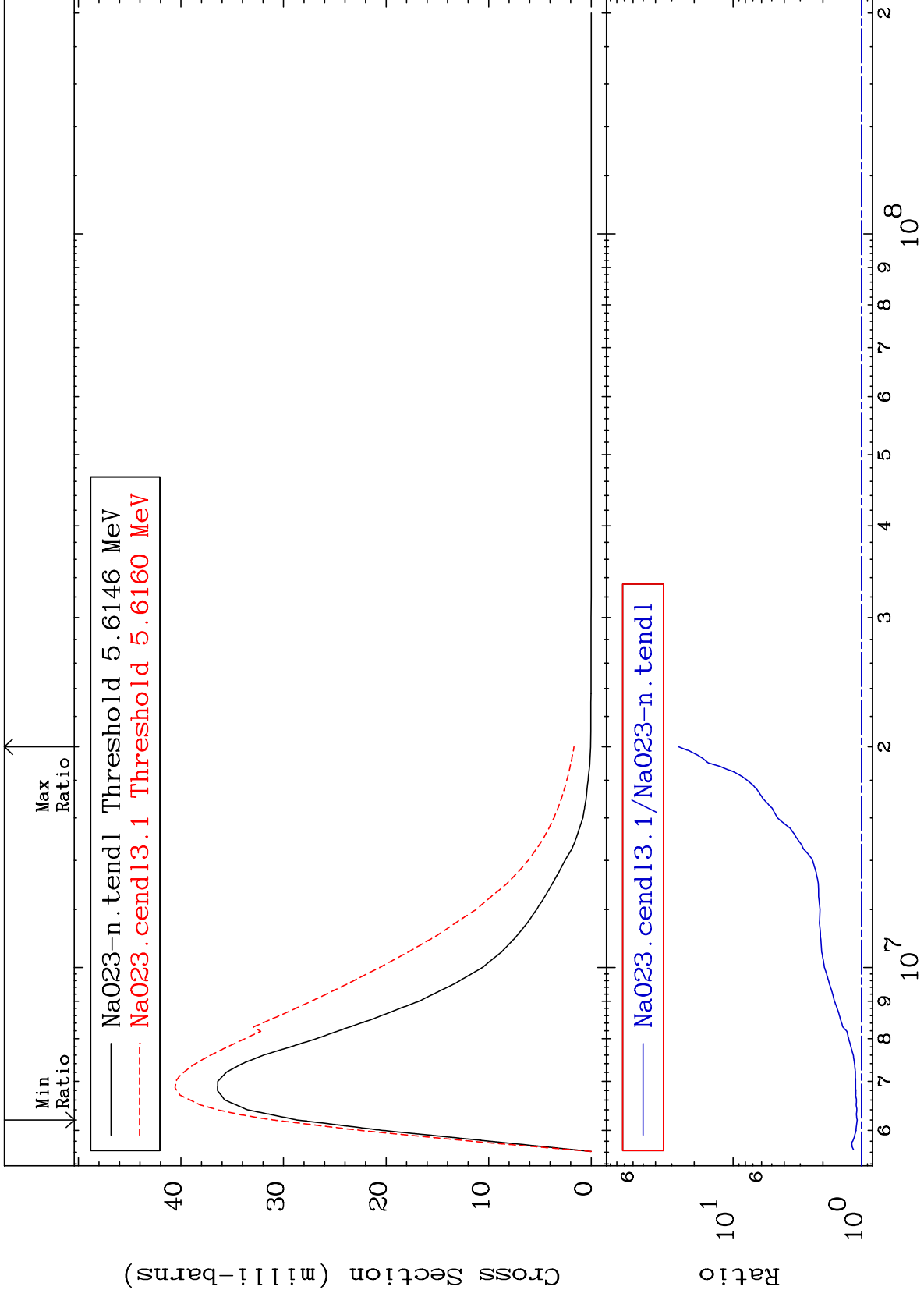
19

11-Na-23

MAT 1125

5.379 MeV (n,n') Level
Cross Section

11-Na-23
7.997 To 2547. %



20

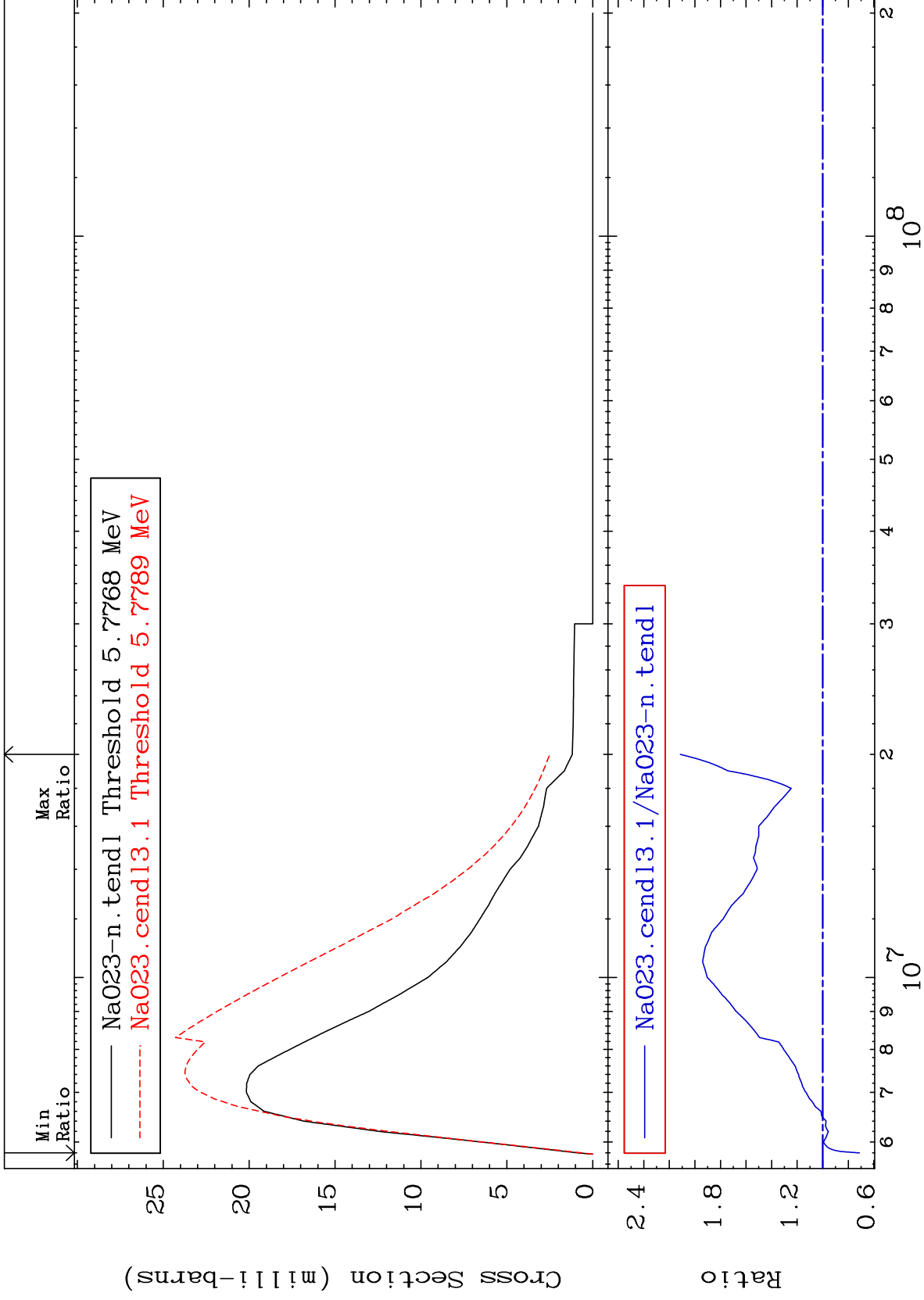
Incident Energy (eV)

11-Na-23

MAT 1125

5.534 MeV (n,n') Level
Cross Section

11-Na-23
-28.73 To 111.4 %



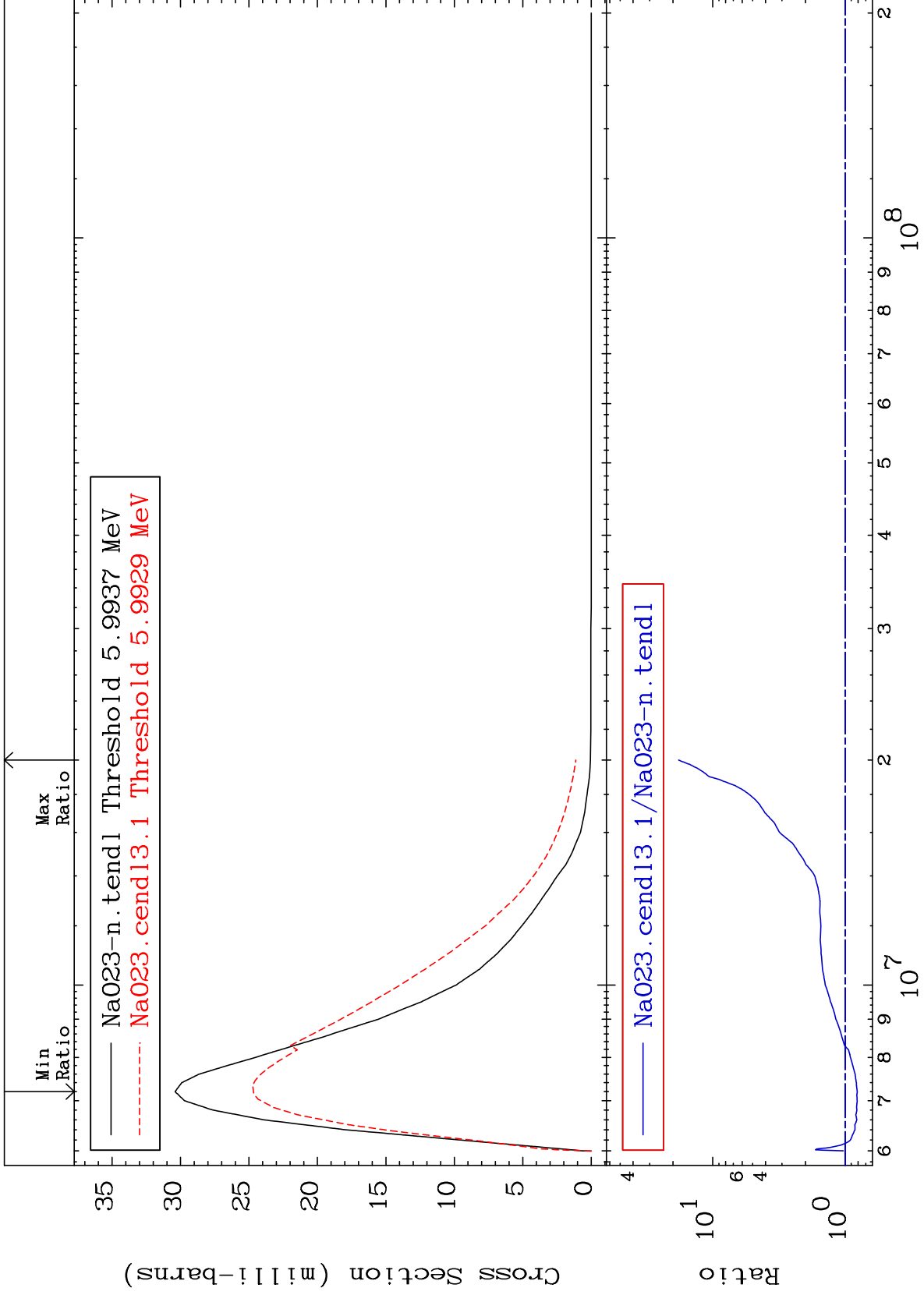
21

11-Na-23

MAT 1125

5.742 MeV (n,n') Level
Cross Section

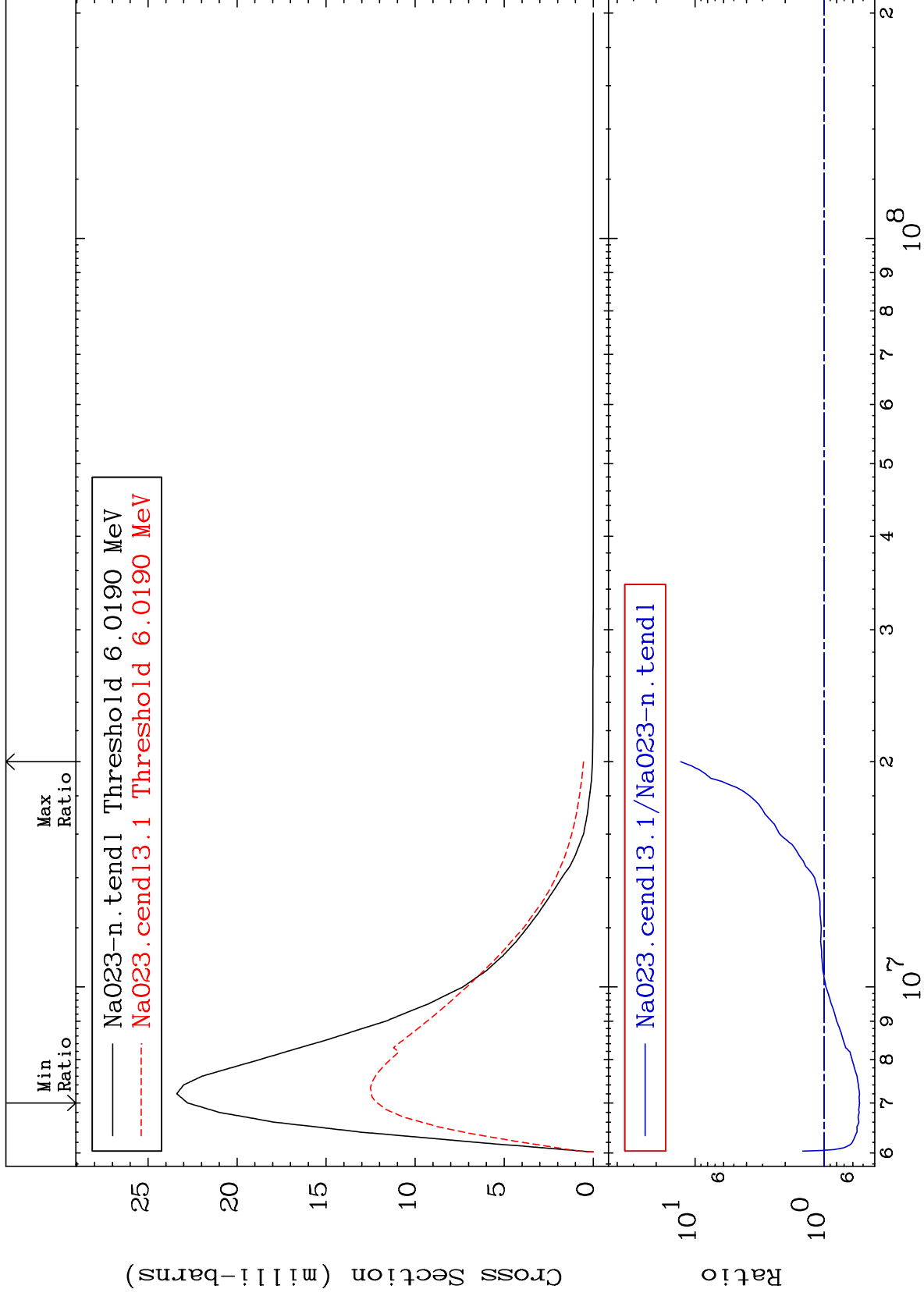
11-Na-23
-18.84 To 1710. %



MAT 1125

5.766 MeV (n,n') Level
Cross Section

11-Na-23
-46.76 To 1189. %



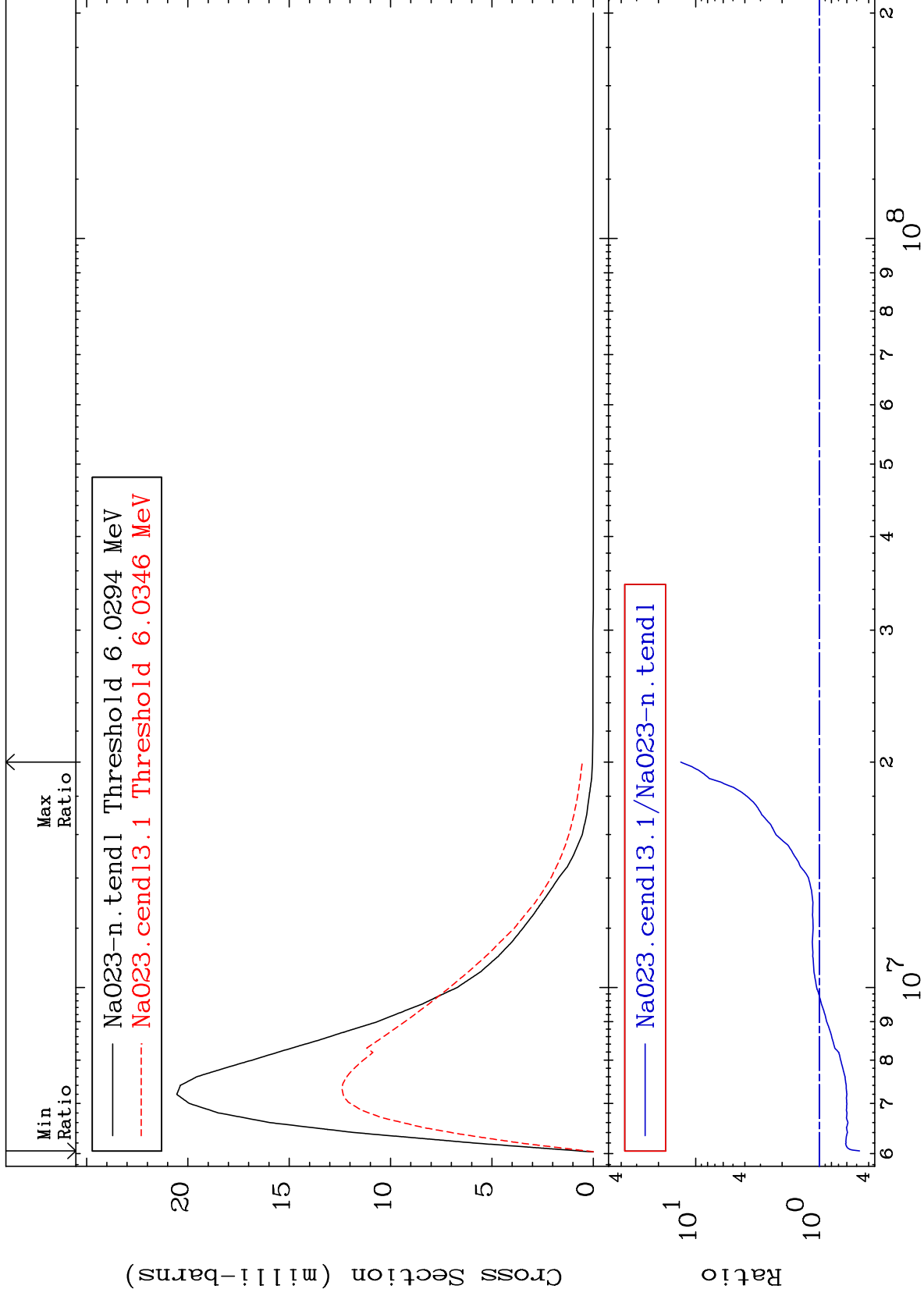
23

11-Na-23

MAT 1125

5.776 MeV (n,n') Level
Cross Section

11-Na-23
-52.59 To 1220. %



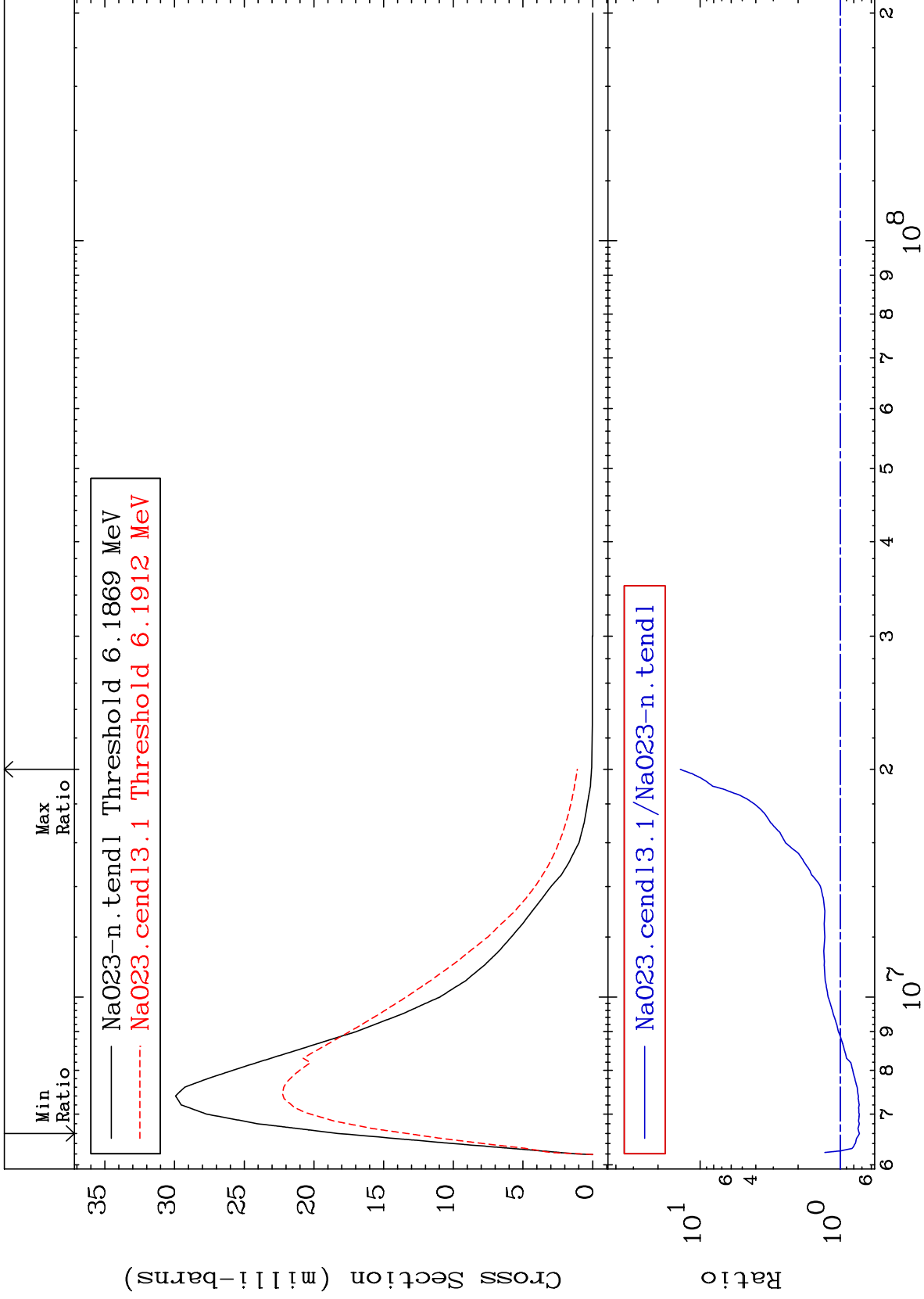
24

11-Na-23

MAT 1125

5.927 MeV (n,n') Level
Cross Section

11-Na-23
-27.12 To 1285. %



25

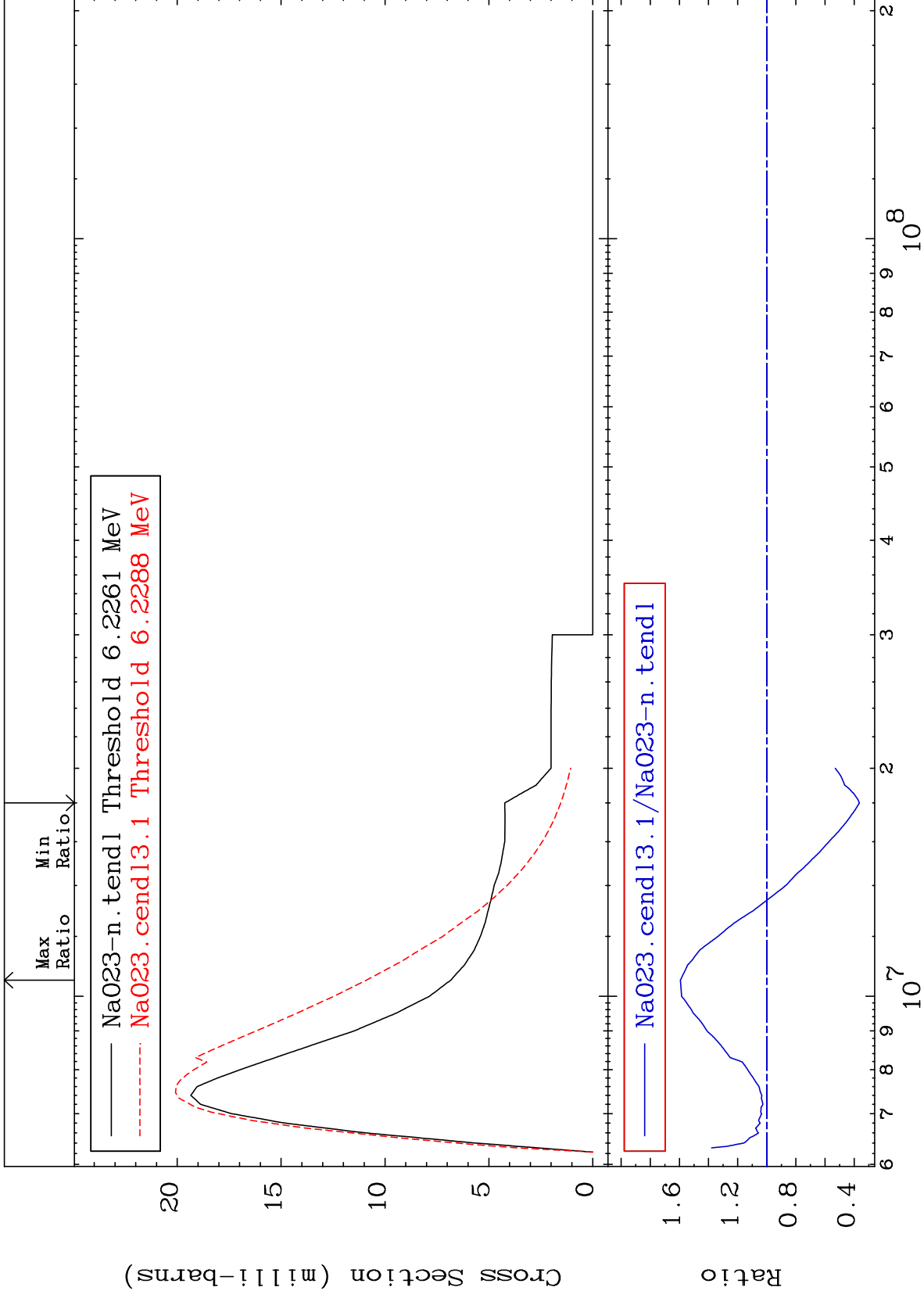
Incident Energy (eV)

11-Na-23

MAT 1125

5.964 MeV (n,n') Level
Cross Section

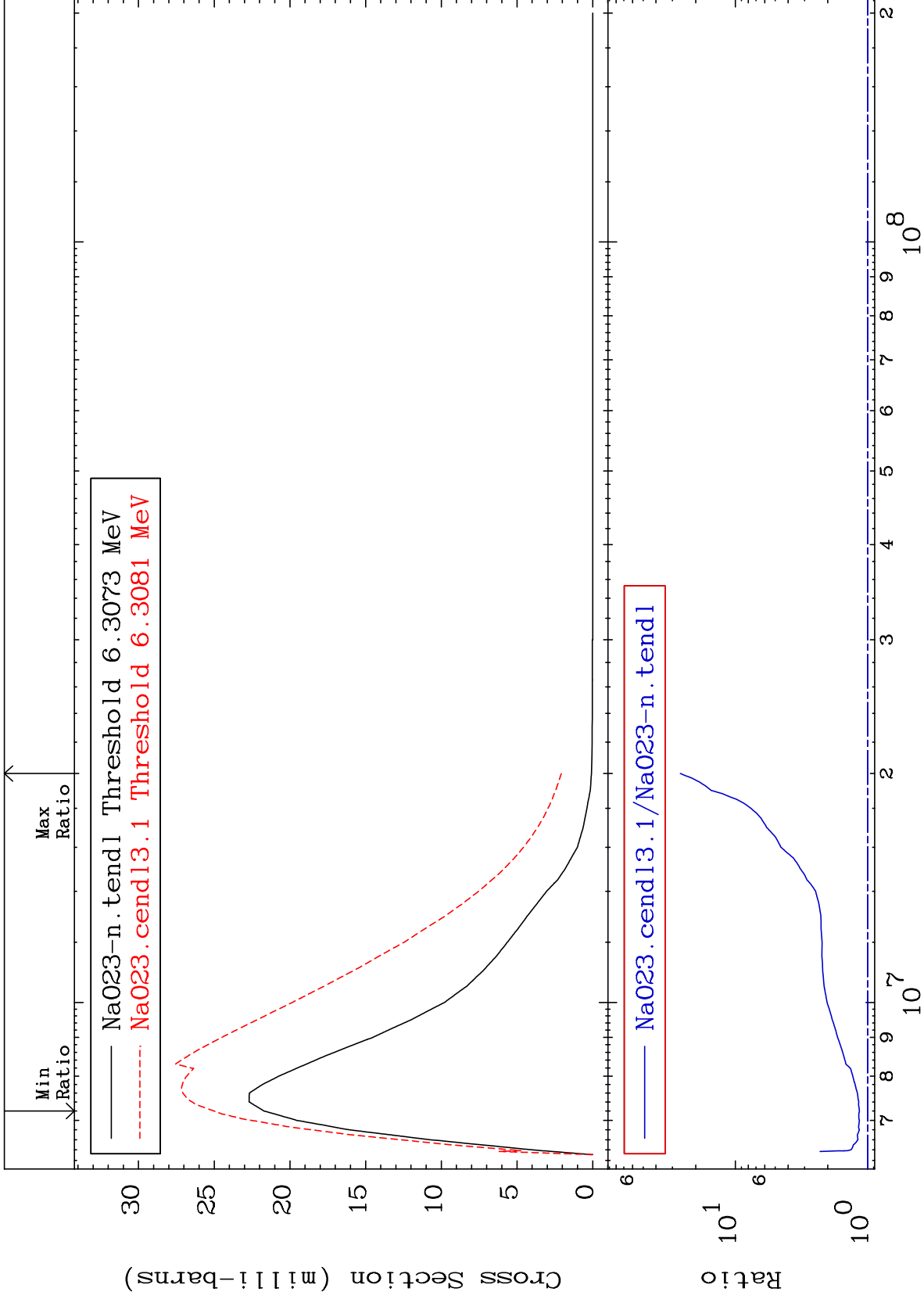
11-Na-23
-63.61 To 59.35 %



MAT 1125

6.042 MeV (n,n') Level
Cross Section

11-Na-23
15.21 To 2512. %



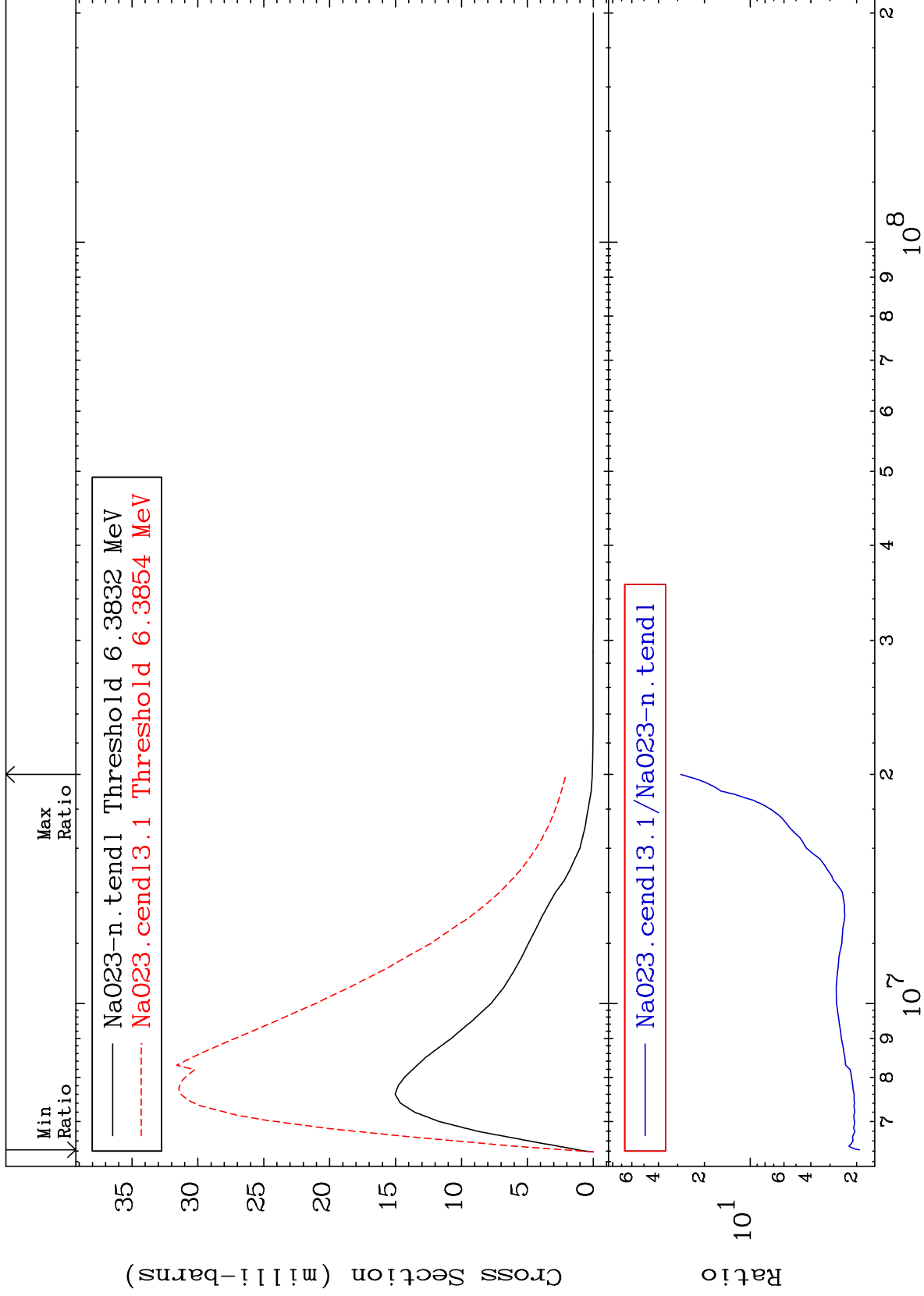
27

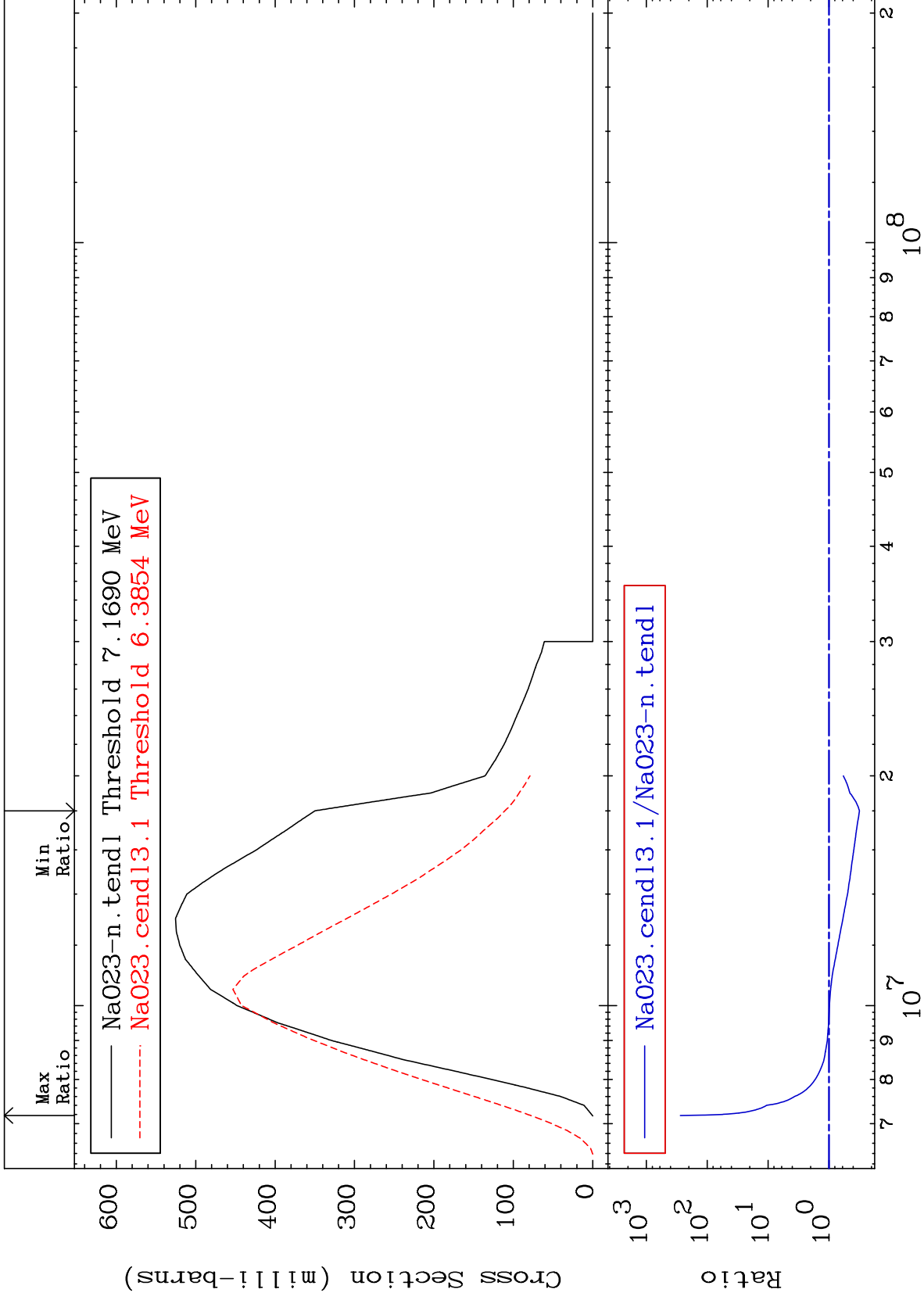
11-Na-23

MAT 1125

6.115 MeV (n,n') Level
Cross Section

11-Na-23
91.60 To 2758. %



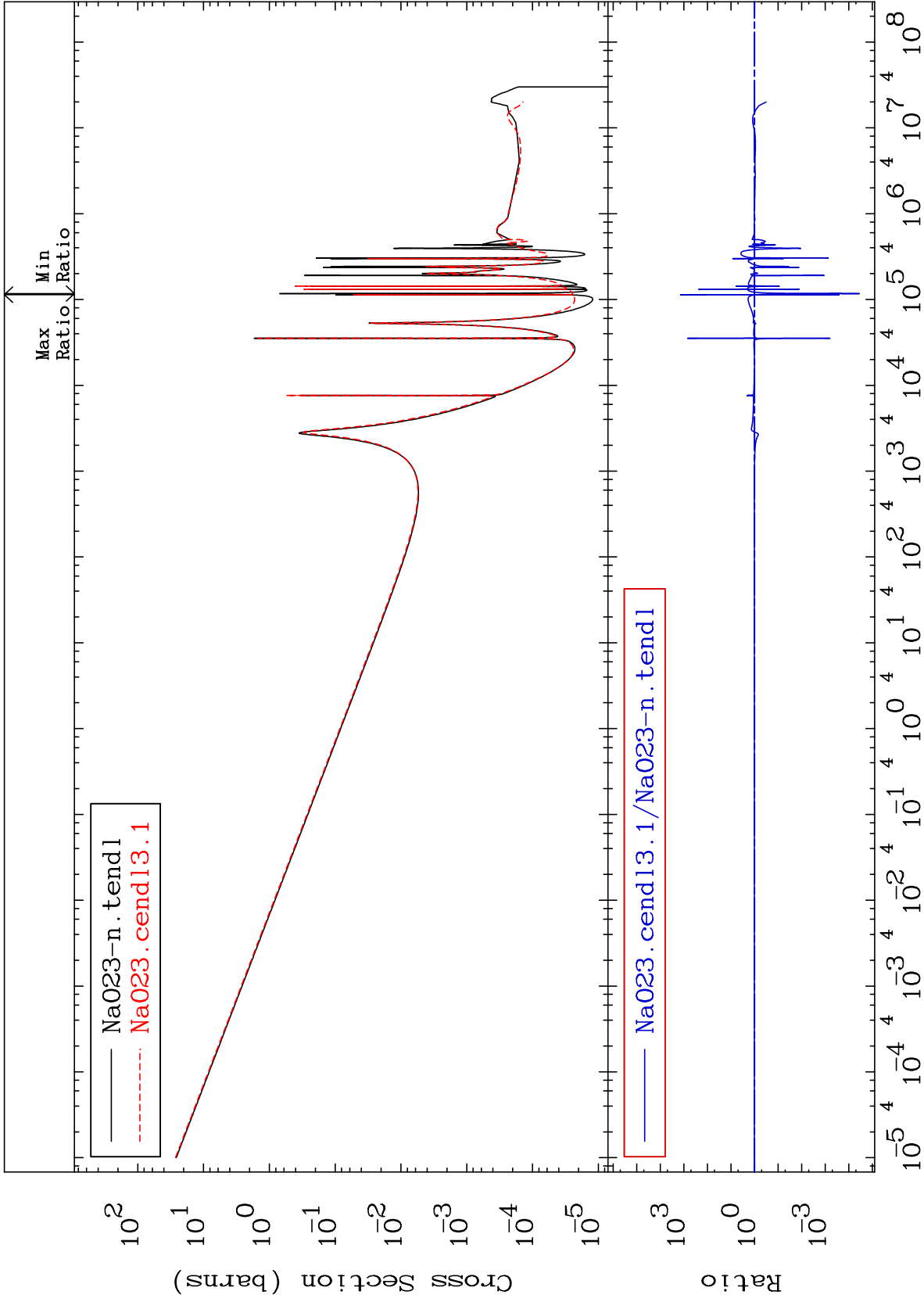


MAT 1125

(n, γ)
Cross Section

11-Na-23

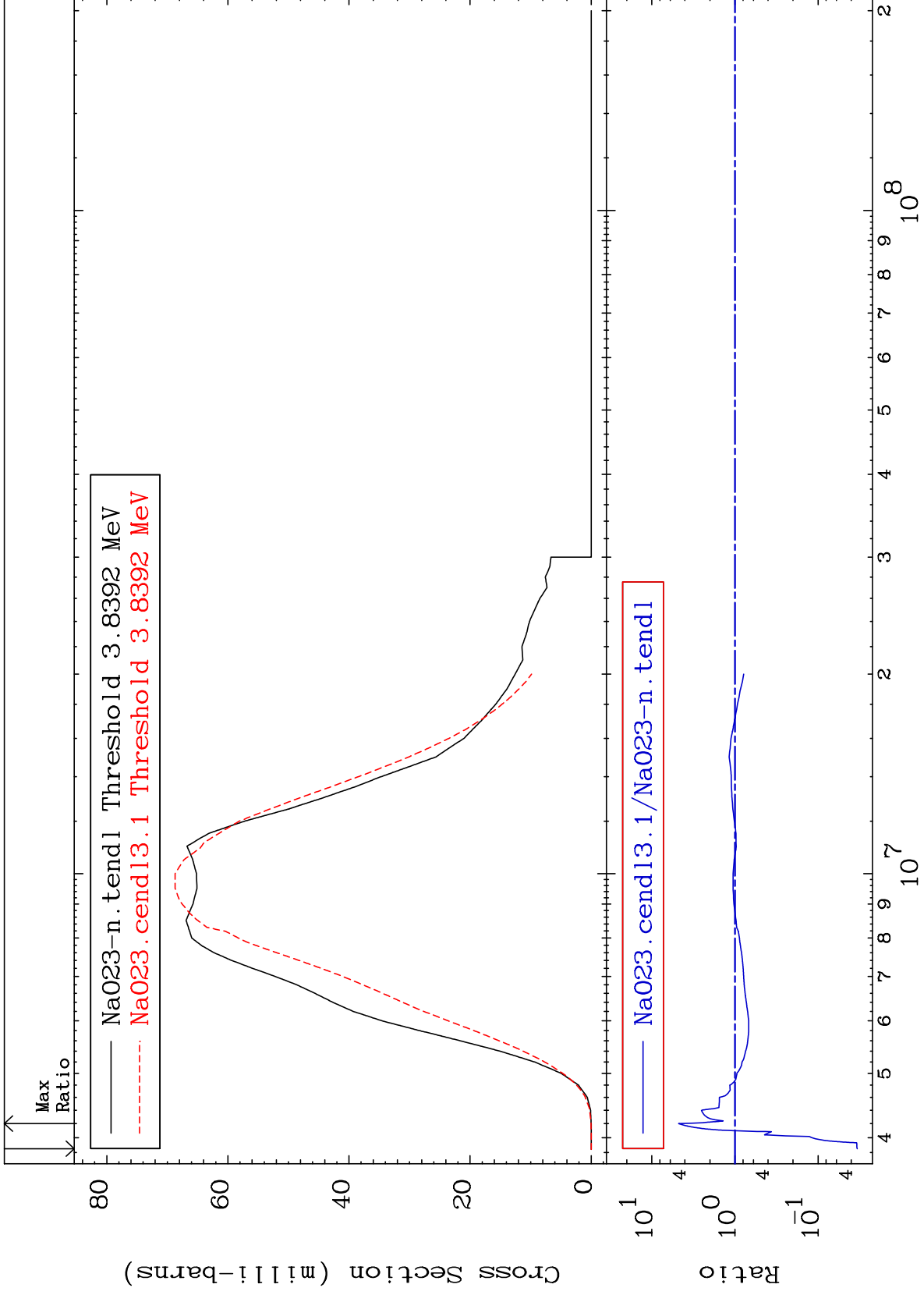
-100.0 To 9999. %



MAT 1125

(n,p)
Cross Section

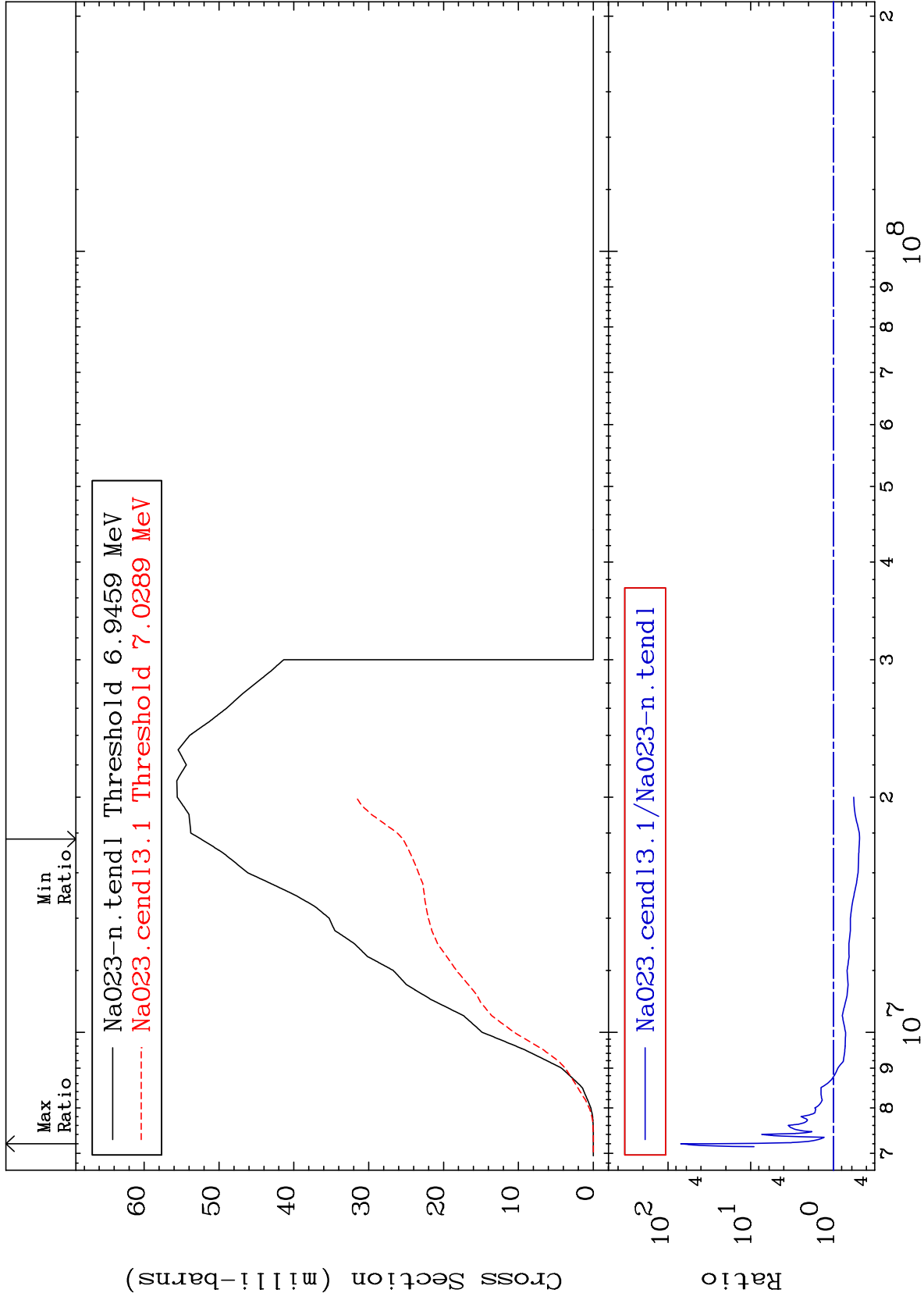
11-Na-23
-96.62 To 376.0 %



MAT 1125

(n, d)
Cross Section

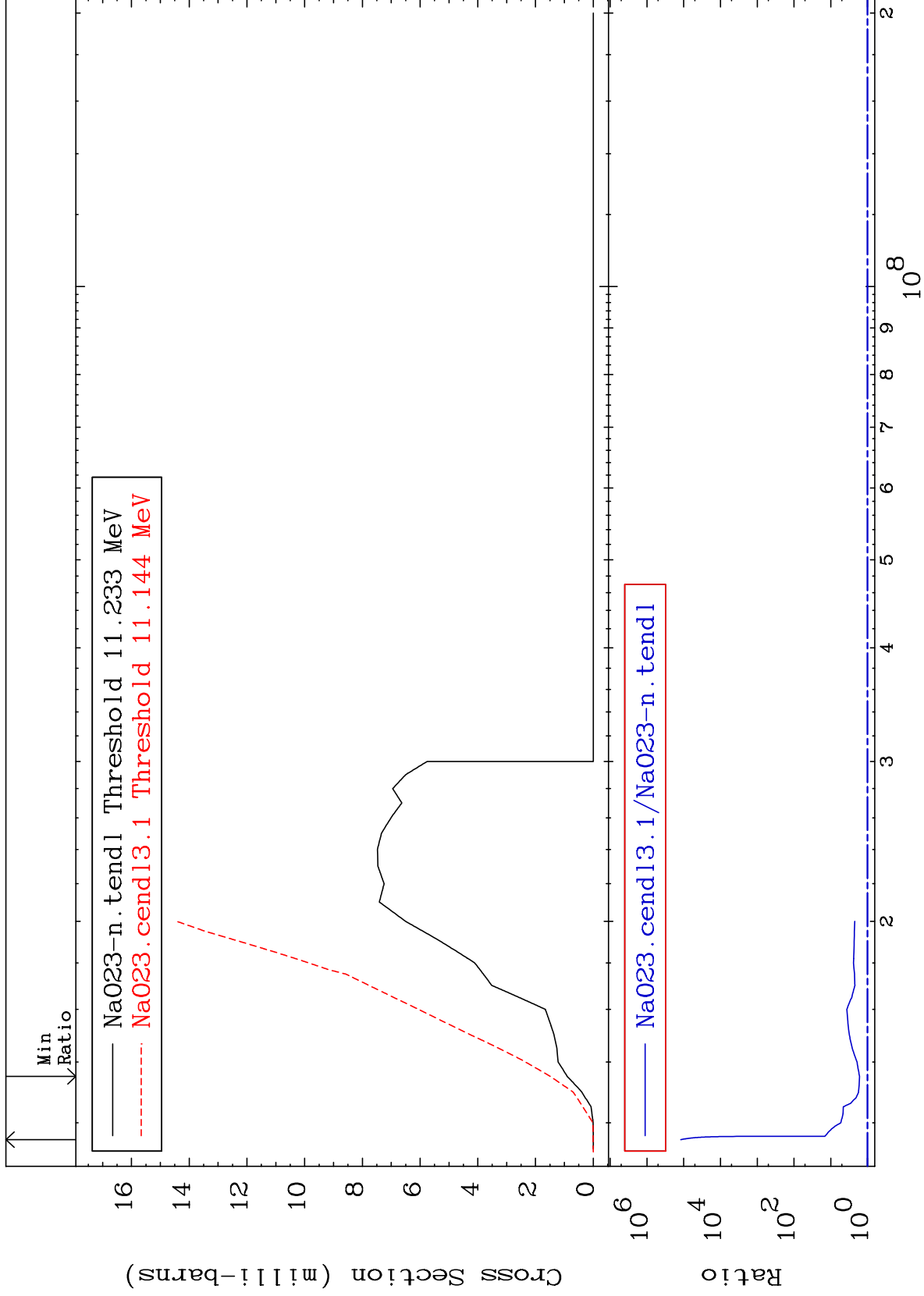
11-Na-23
-51.51 To 6899. %



MAT 1125

(n, t)
Cross Section

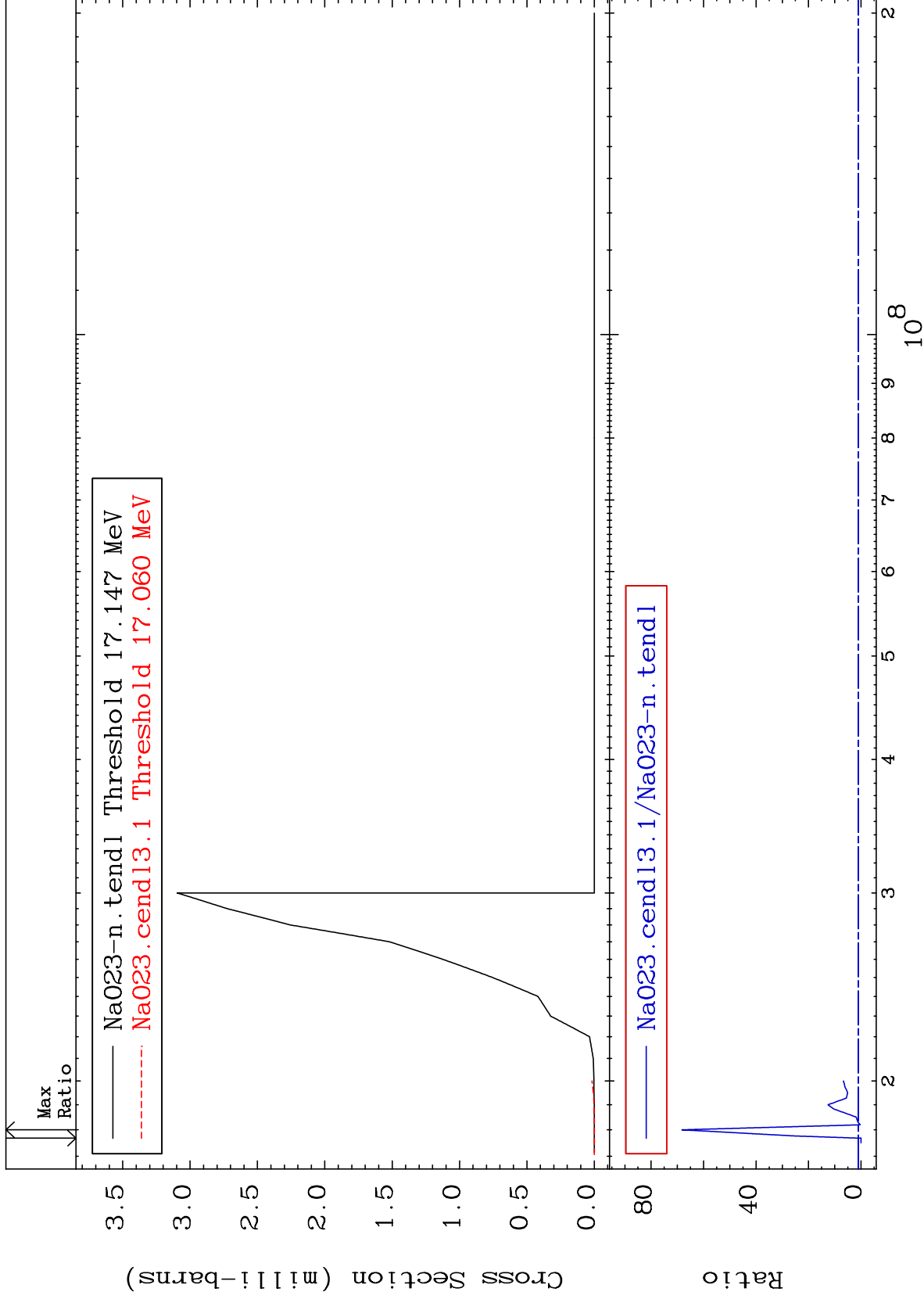
11-Na-23
64.98 To 9999. %



MAT 1125

(n,He-3)
Cross Section

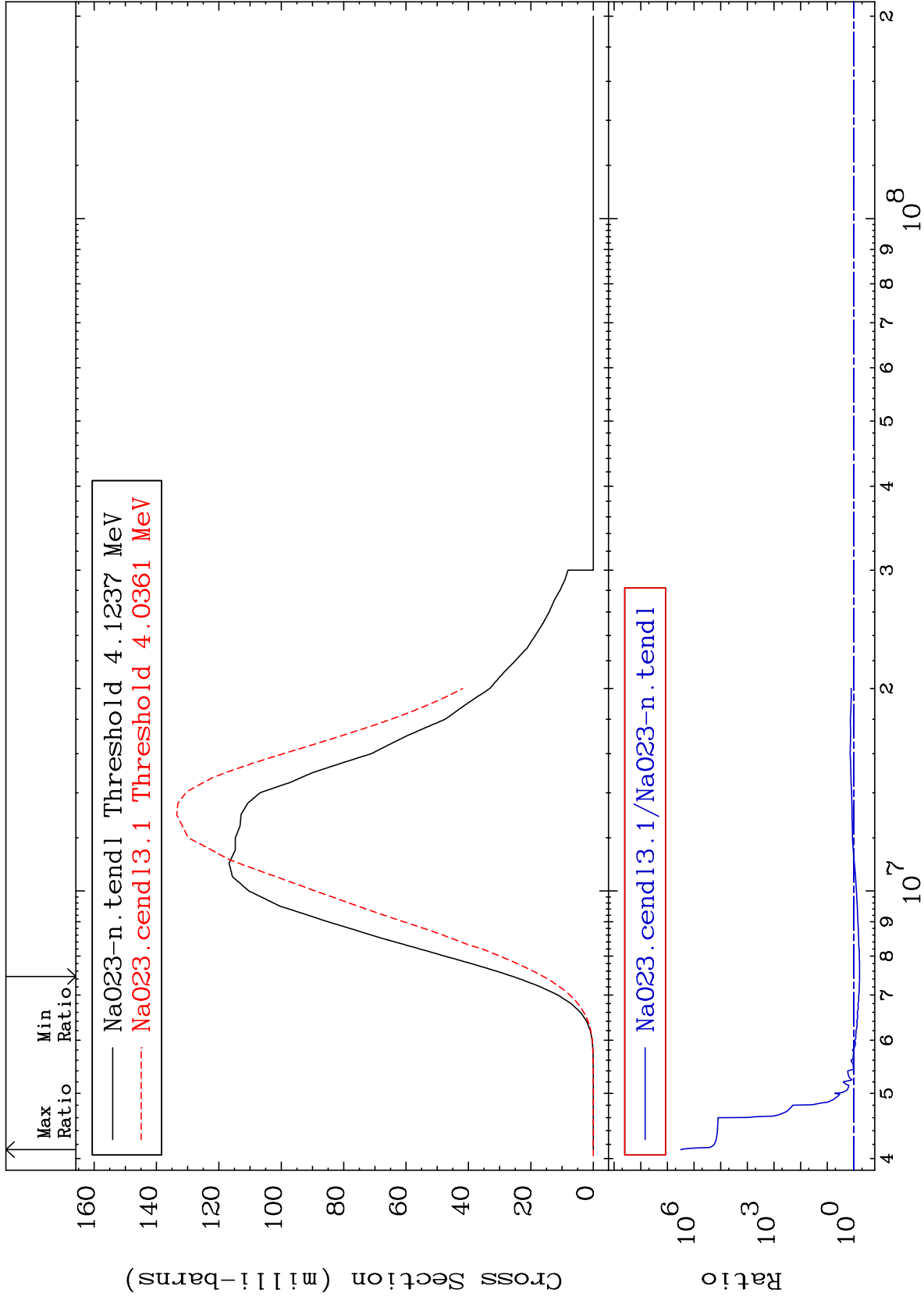
11-Na-23
-100.0 To 6725. %



MAT 1125

(n, α)
Cross Section

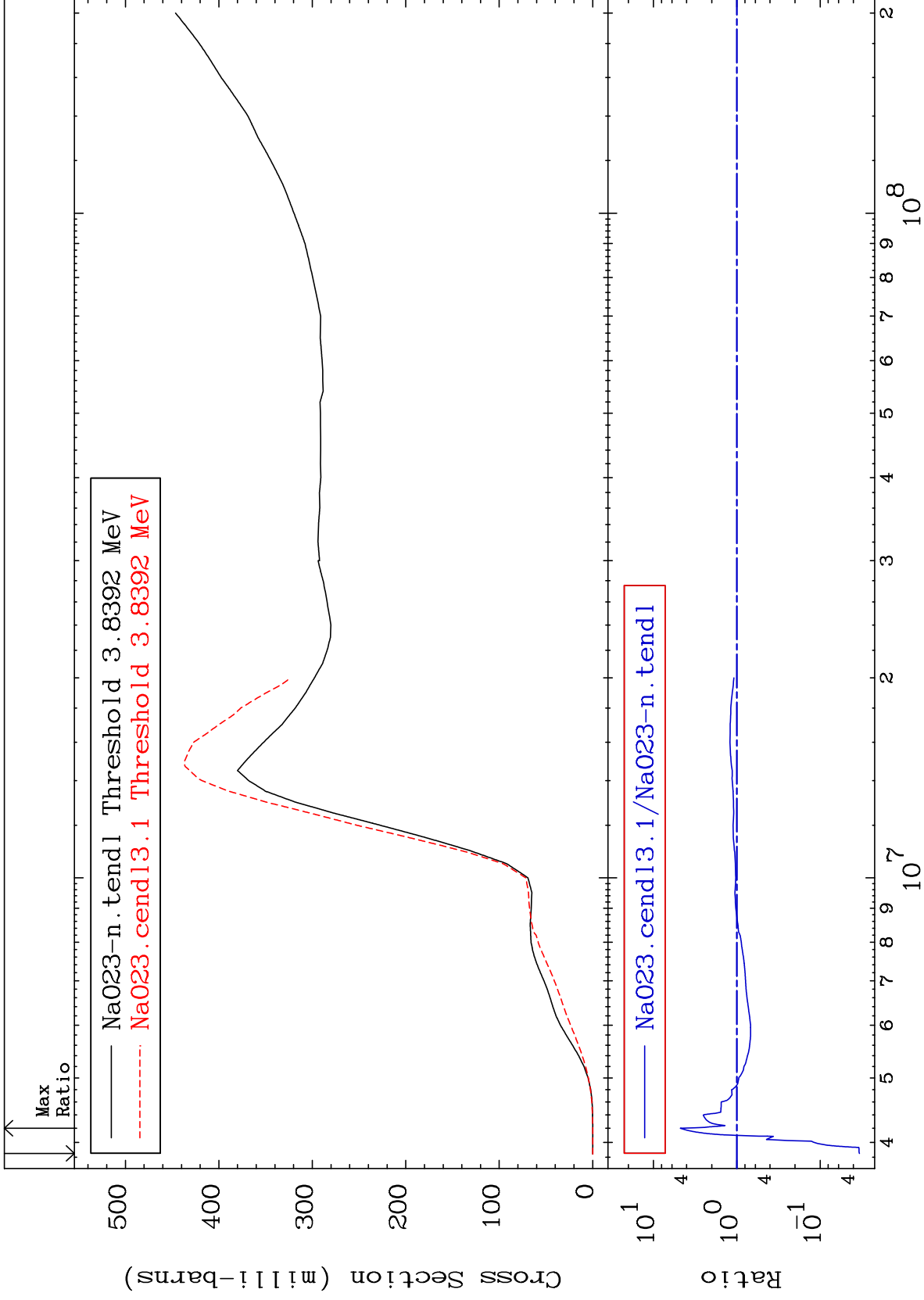
11-Na-23
-38.07 To 9999. %

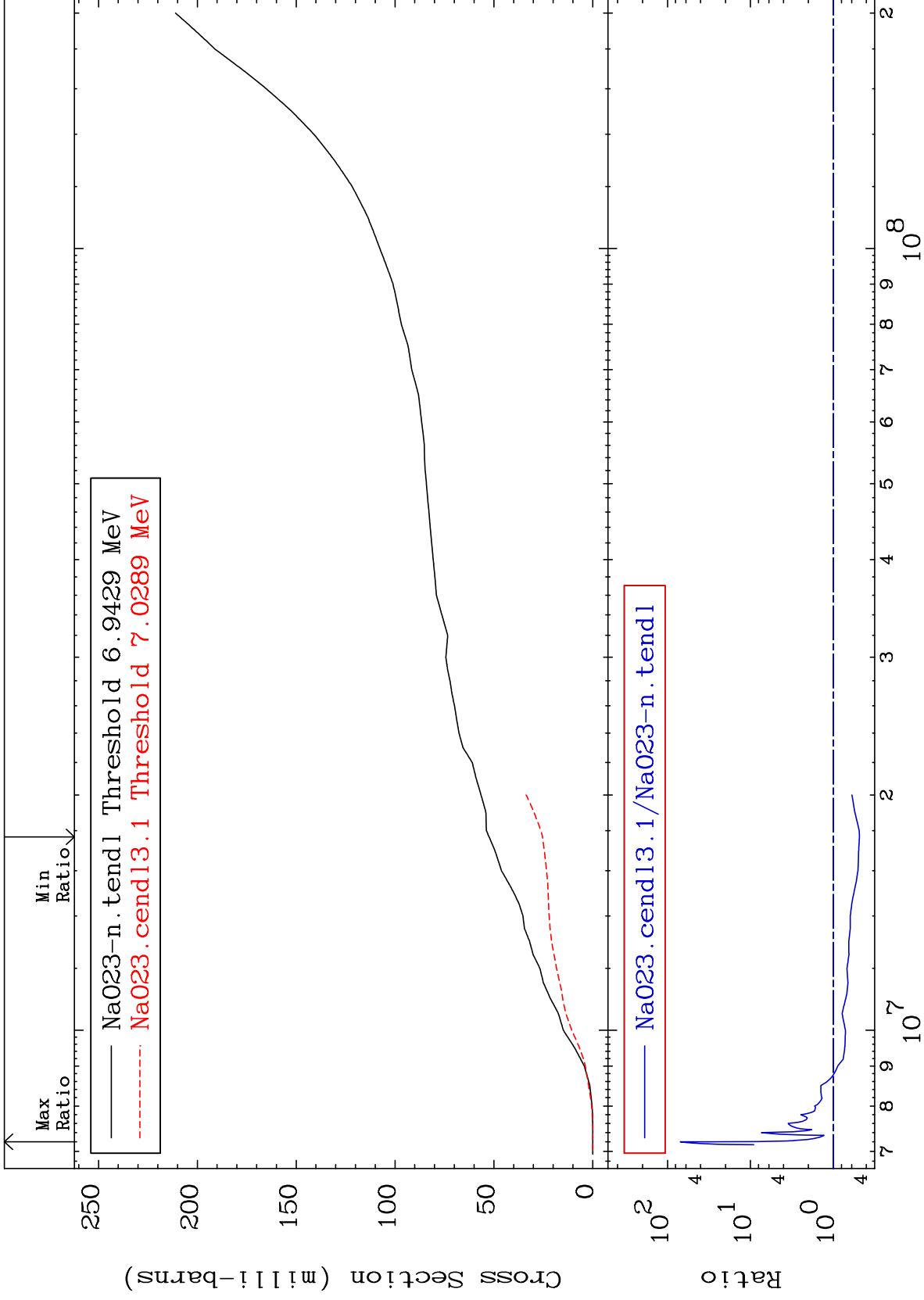


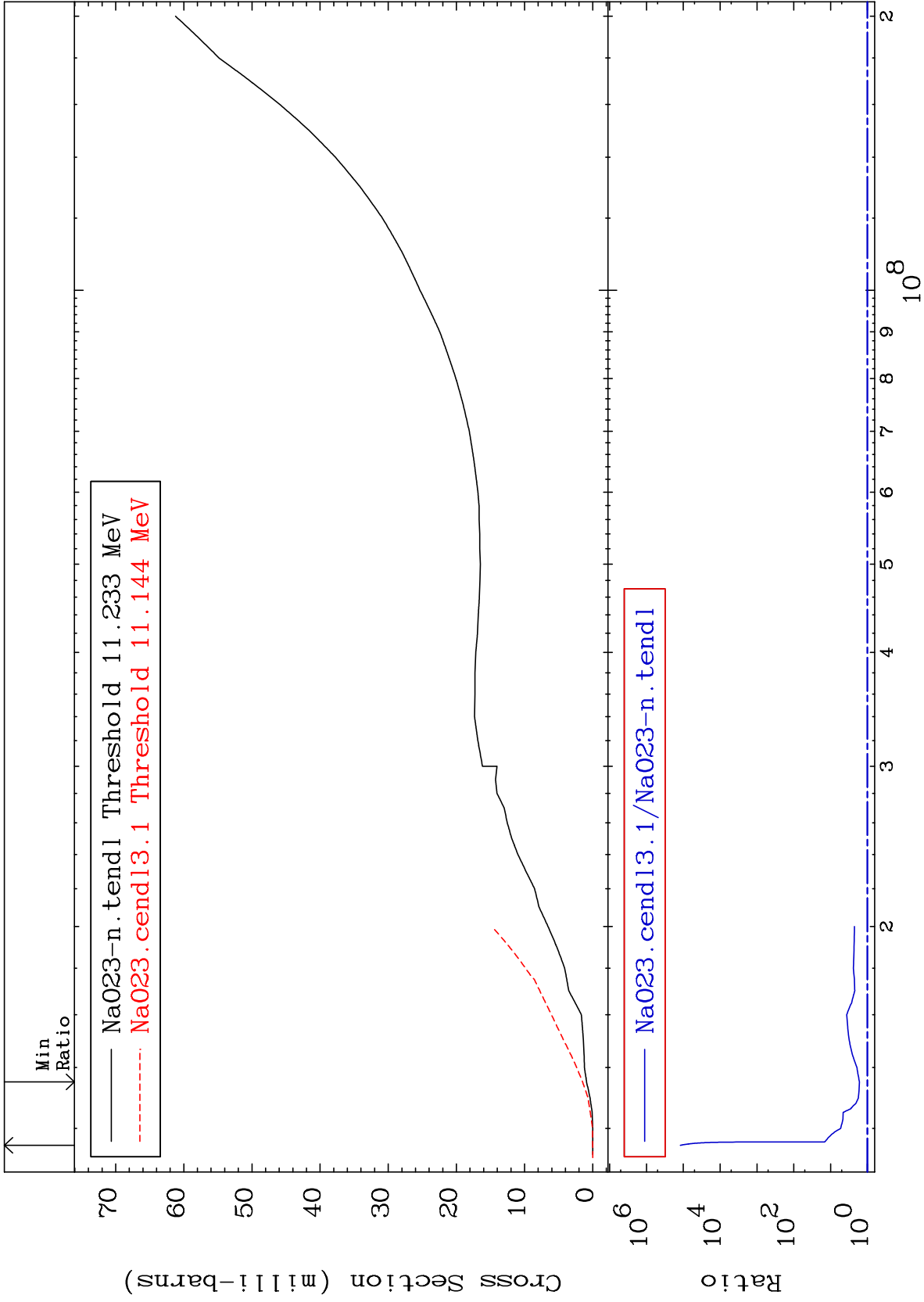
35

Incident Energy (eV)

11-Na-23



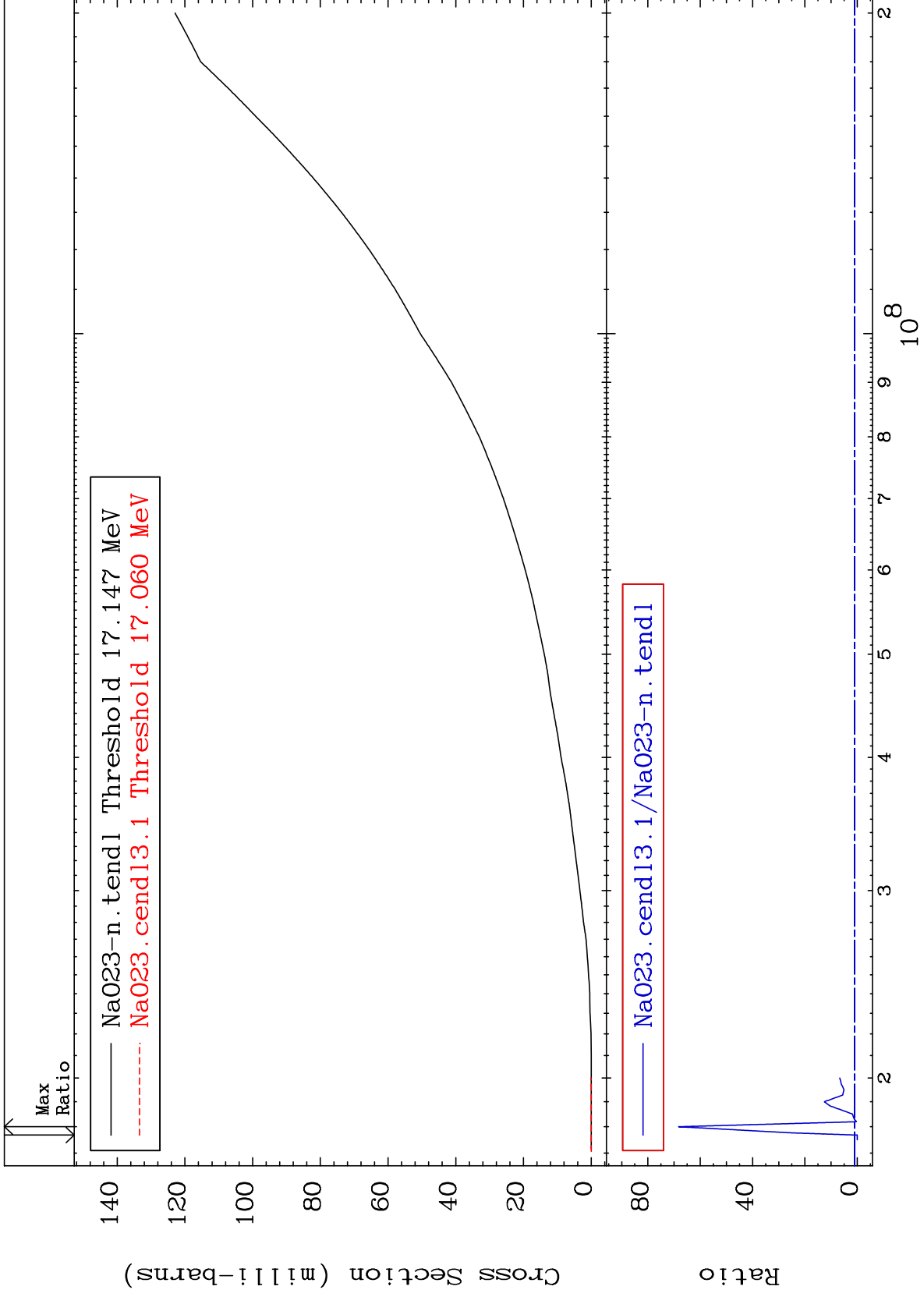




MAT 1125

He-3 Production
Cross Section

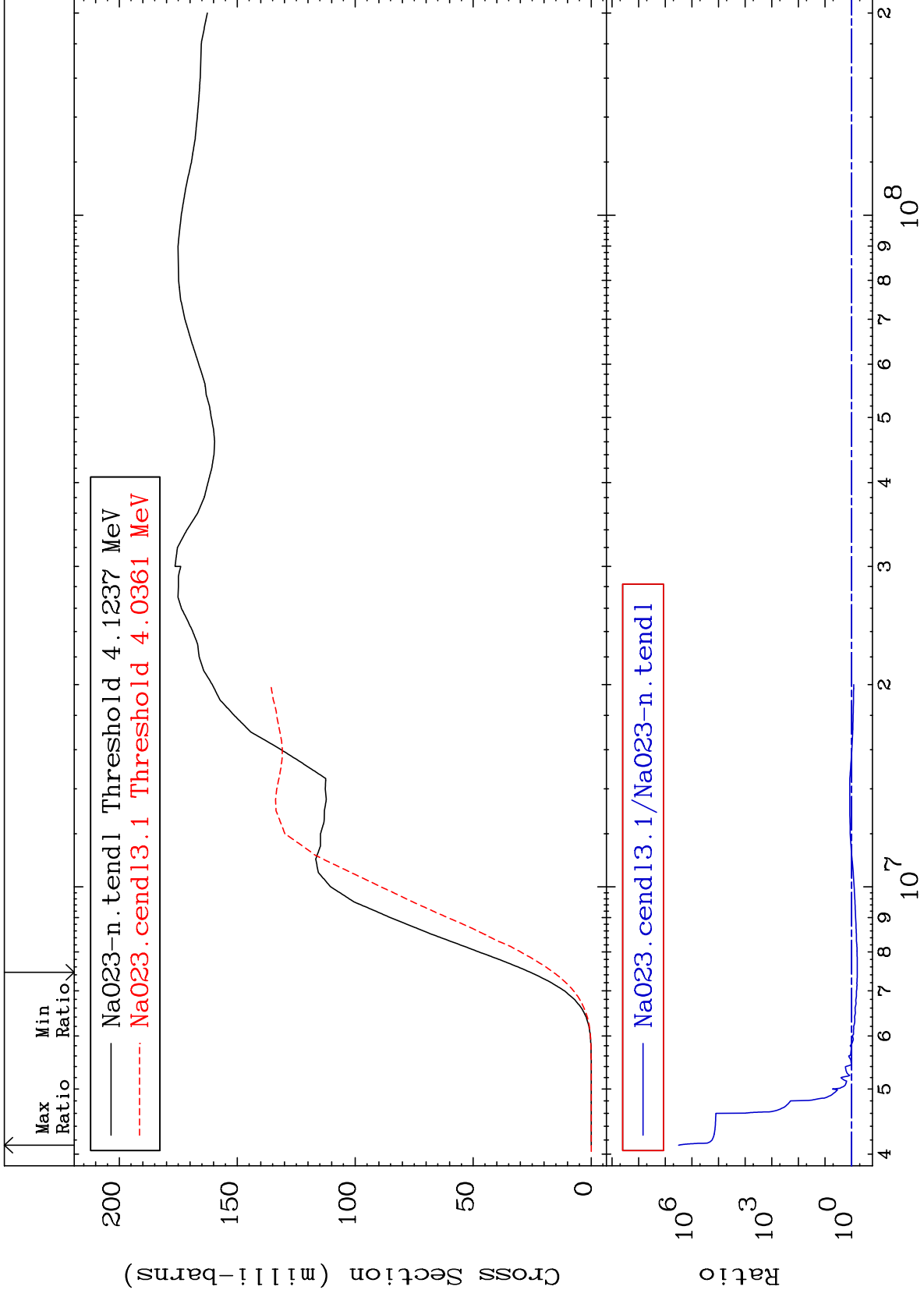
11-Na-23
-100.0 To 6725. %



MAT 1125

He-4 Production
Cross Section

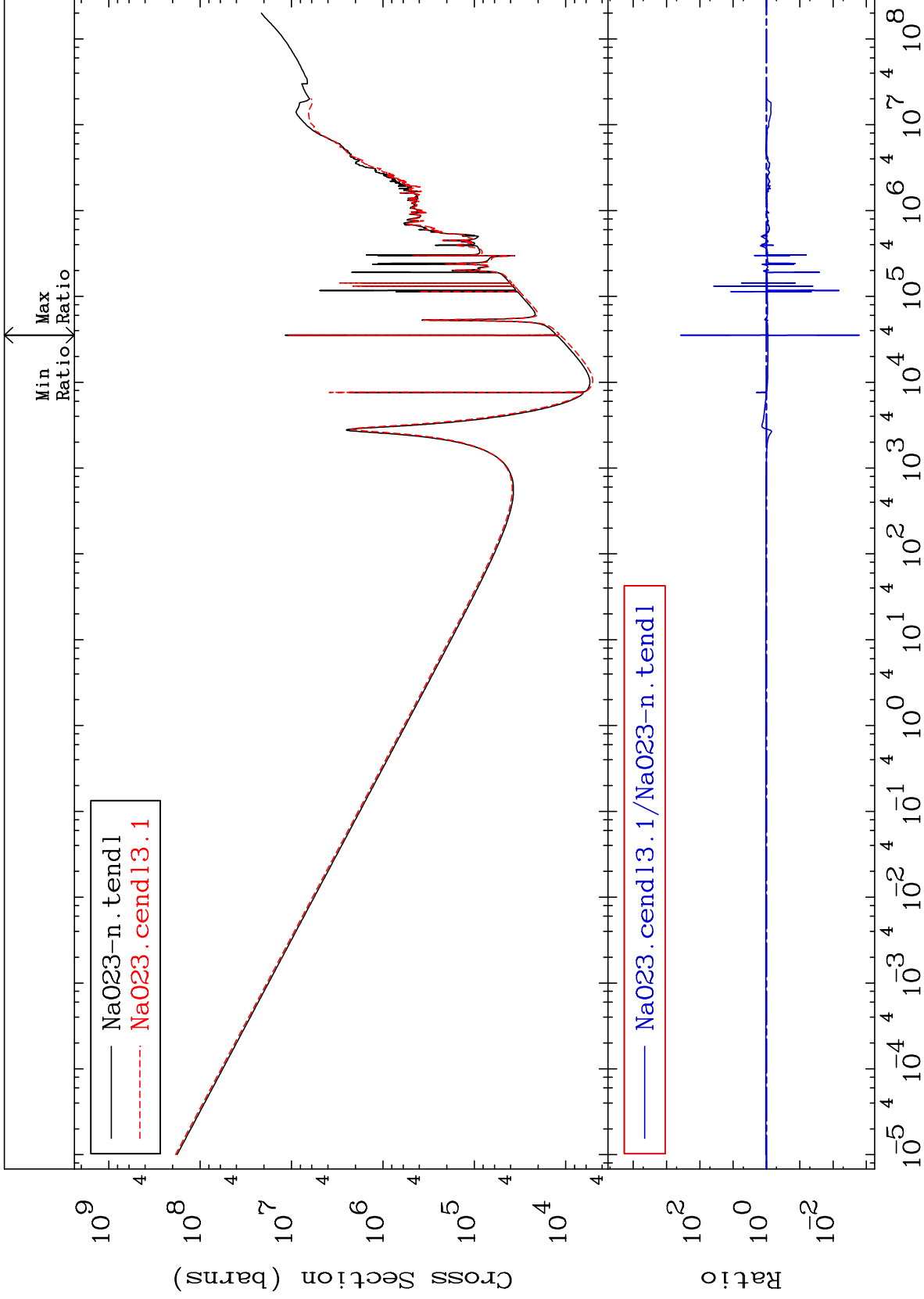
11-Na-23
-38.07 To 9999. %



40

Incident Energy (eV)

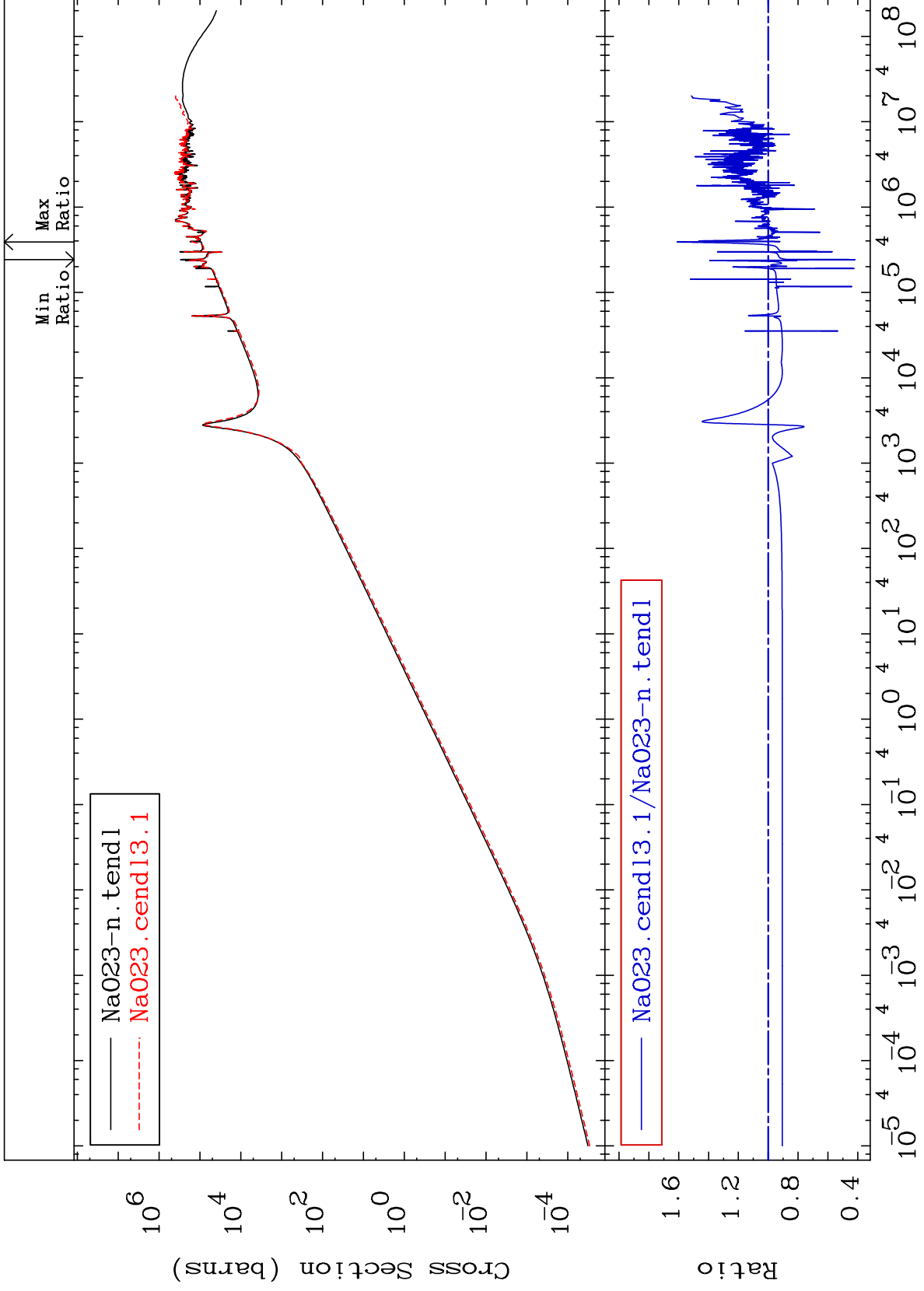
11-Na-23



MAT 1125

Kerma elastic
Cross Section

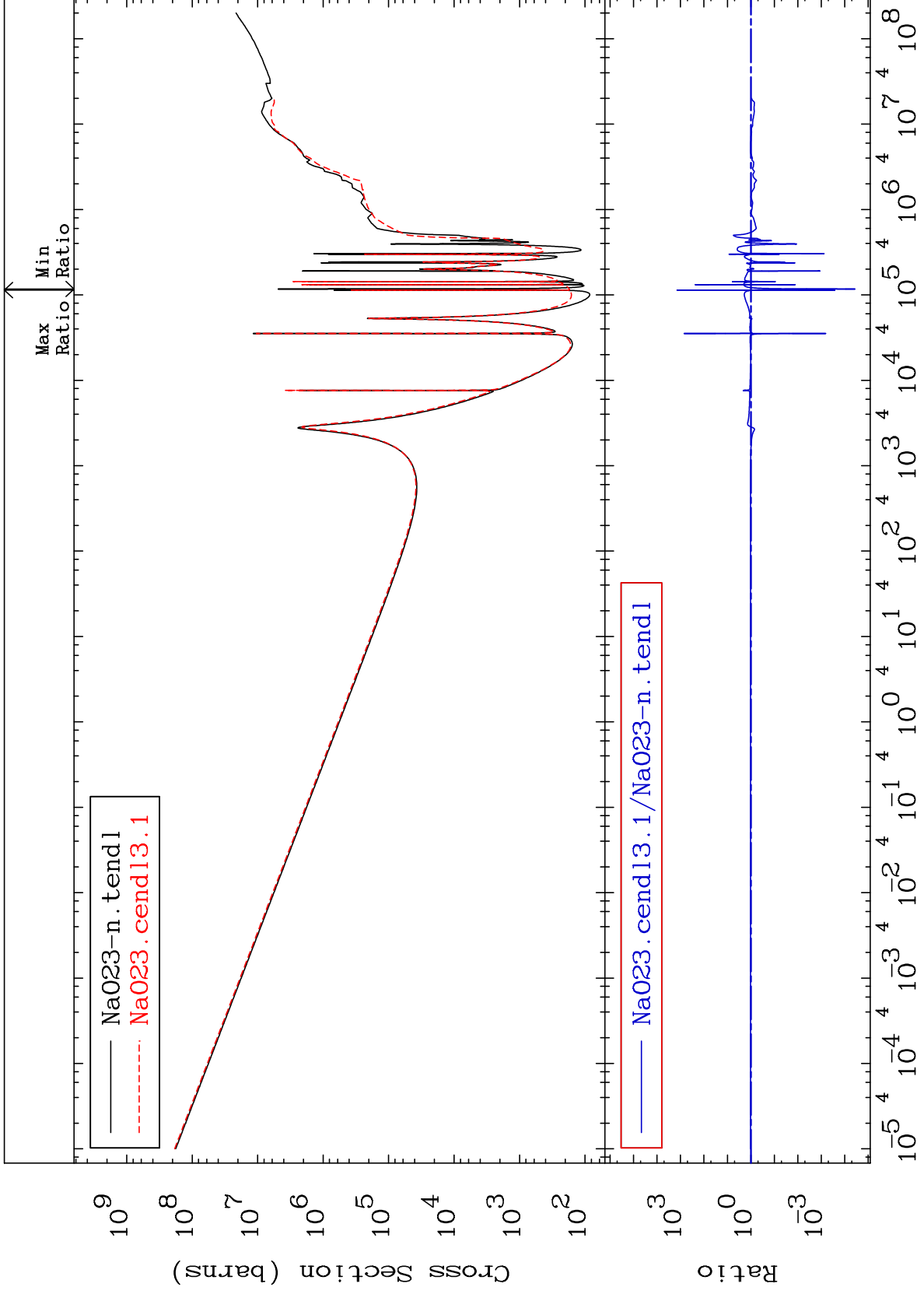
11-Na-23
-58.26 To 61.20 %



MAT 1125

Kerma non-elastic (all but mt2)
Cross Section

11-Na-23
-100.0 To 9999. %



43

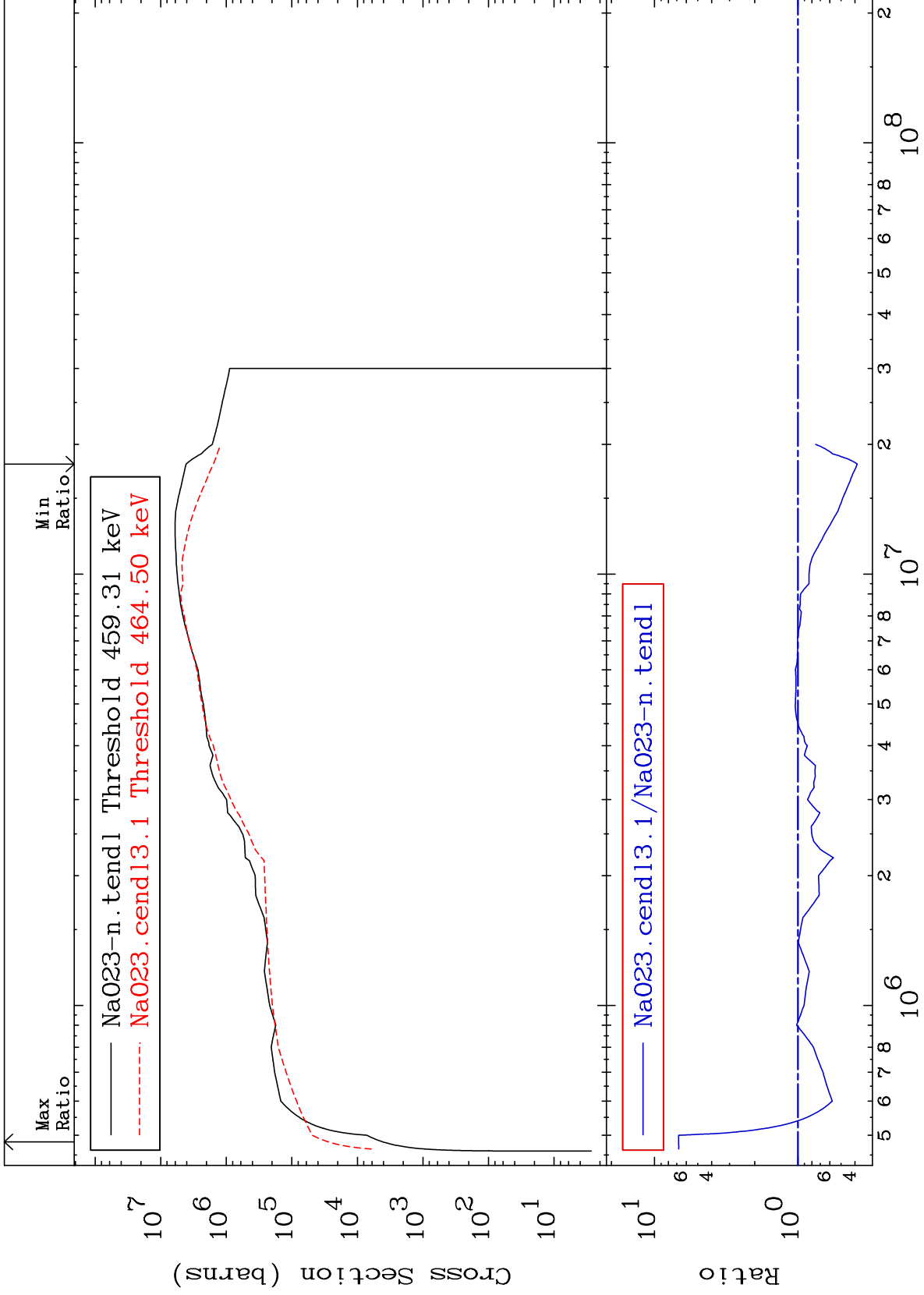
Incident Energy (eV)

11-Na-23

MAT 1125

Kerma inelastic (mt51-91)
Cross Section

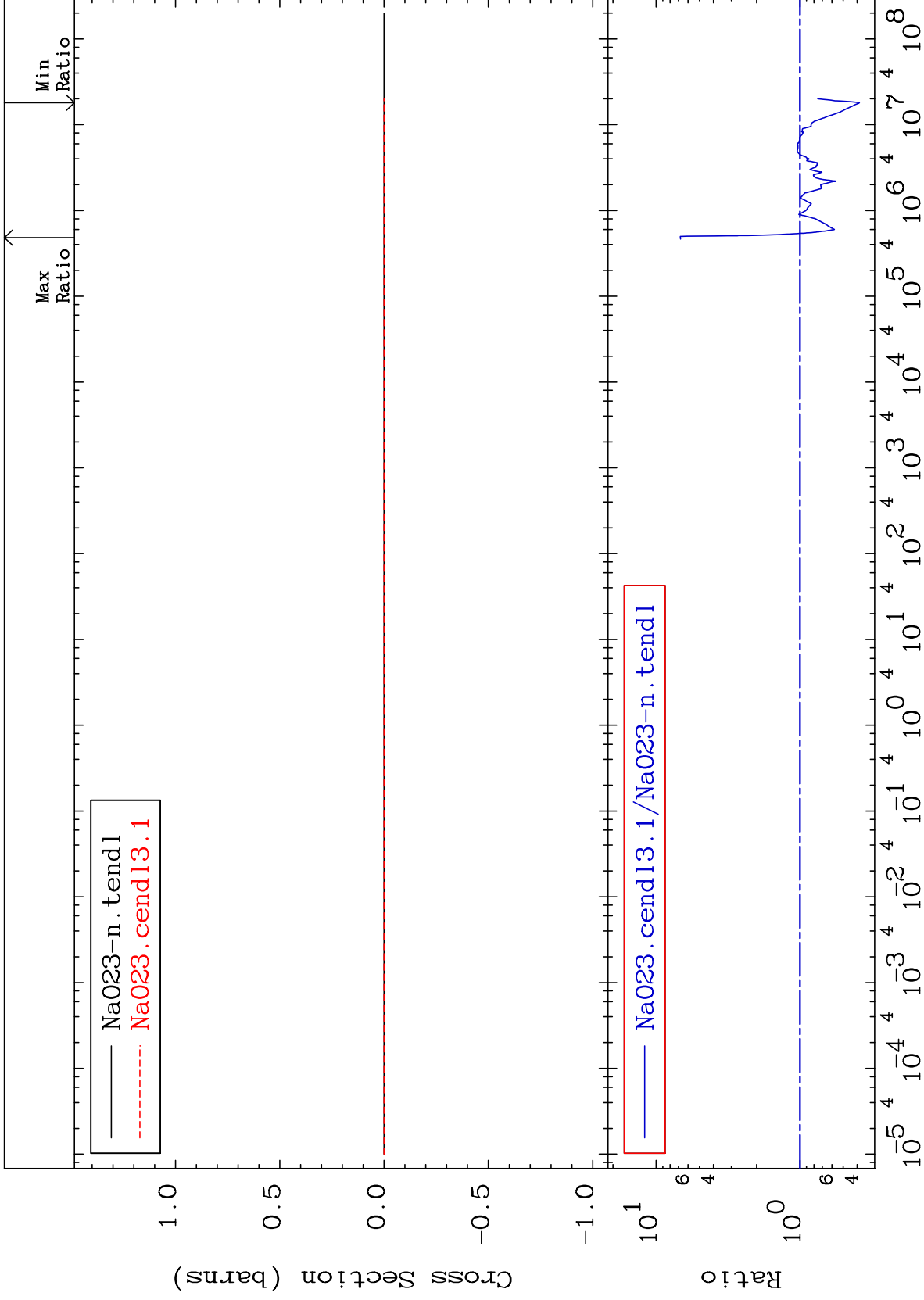
11-Na-23
-61.42 To 579.3 %



MAT 1125

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

11-Na-23
-61.42 To 579.3 %



45

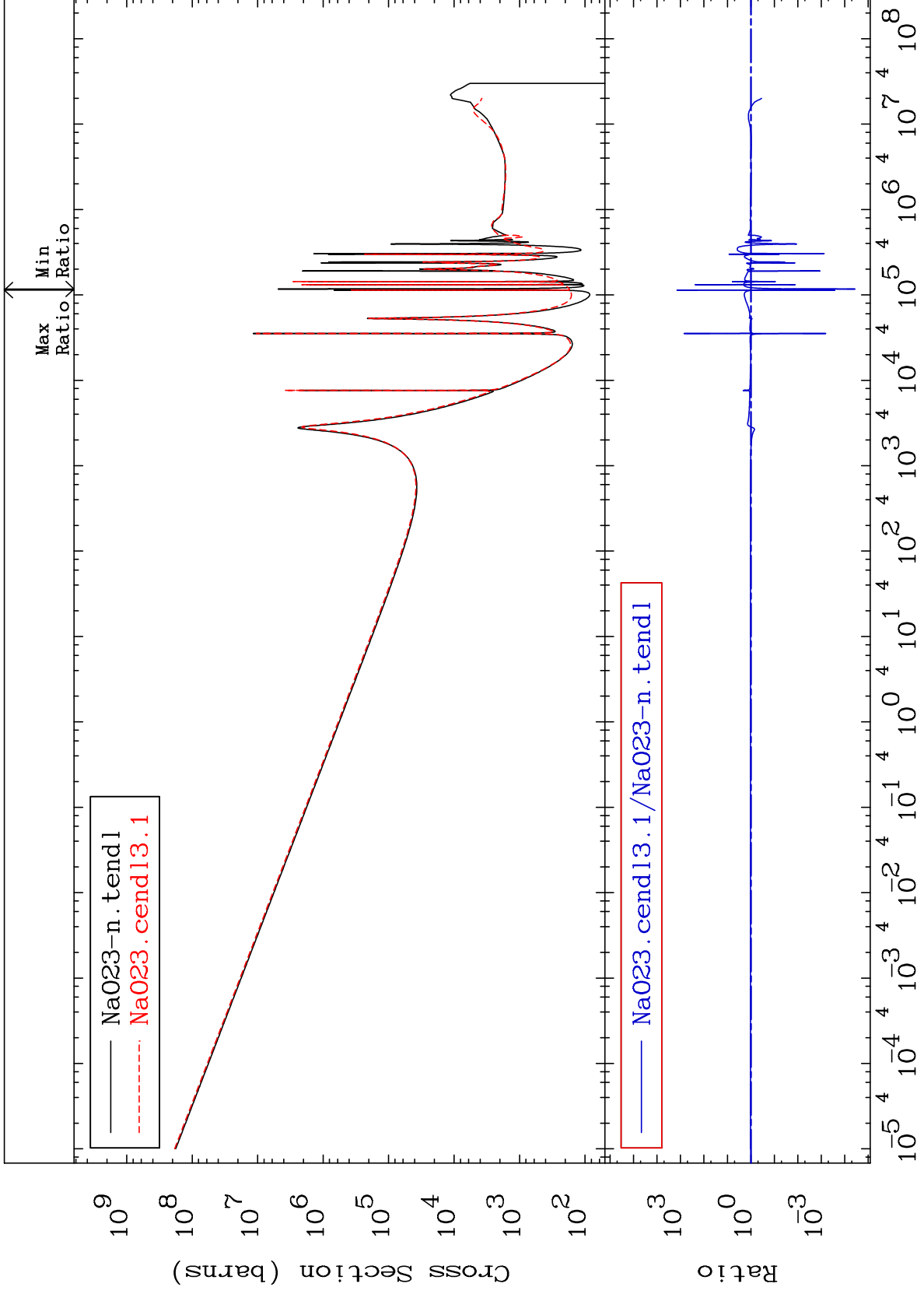
Incident Energy (eV)

11-Na-23

MAT 1125

Kerma capture (mt102)
Cross Section

11-Na-23
-100.0 To 9999. %



46

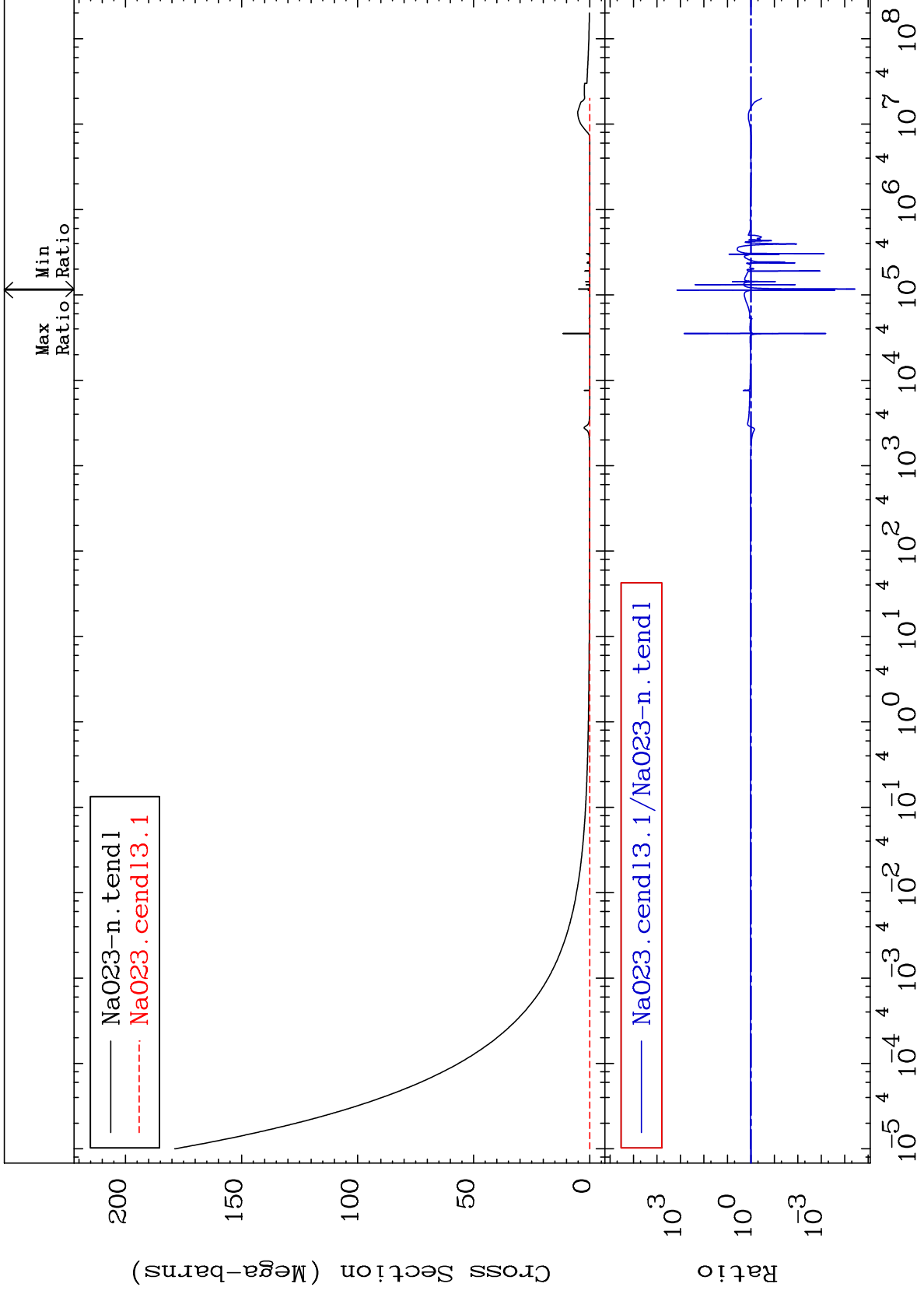
Incident Energy (eV)

11-Na-23

MAT 1125

Total photon (eV-barns)
Cross Section

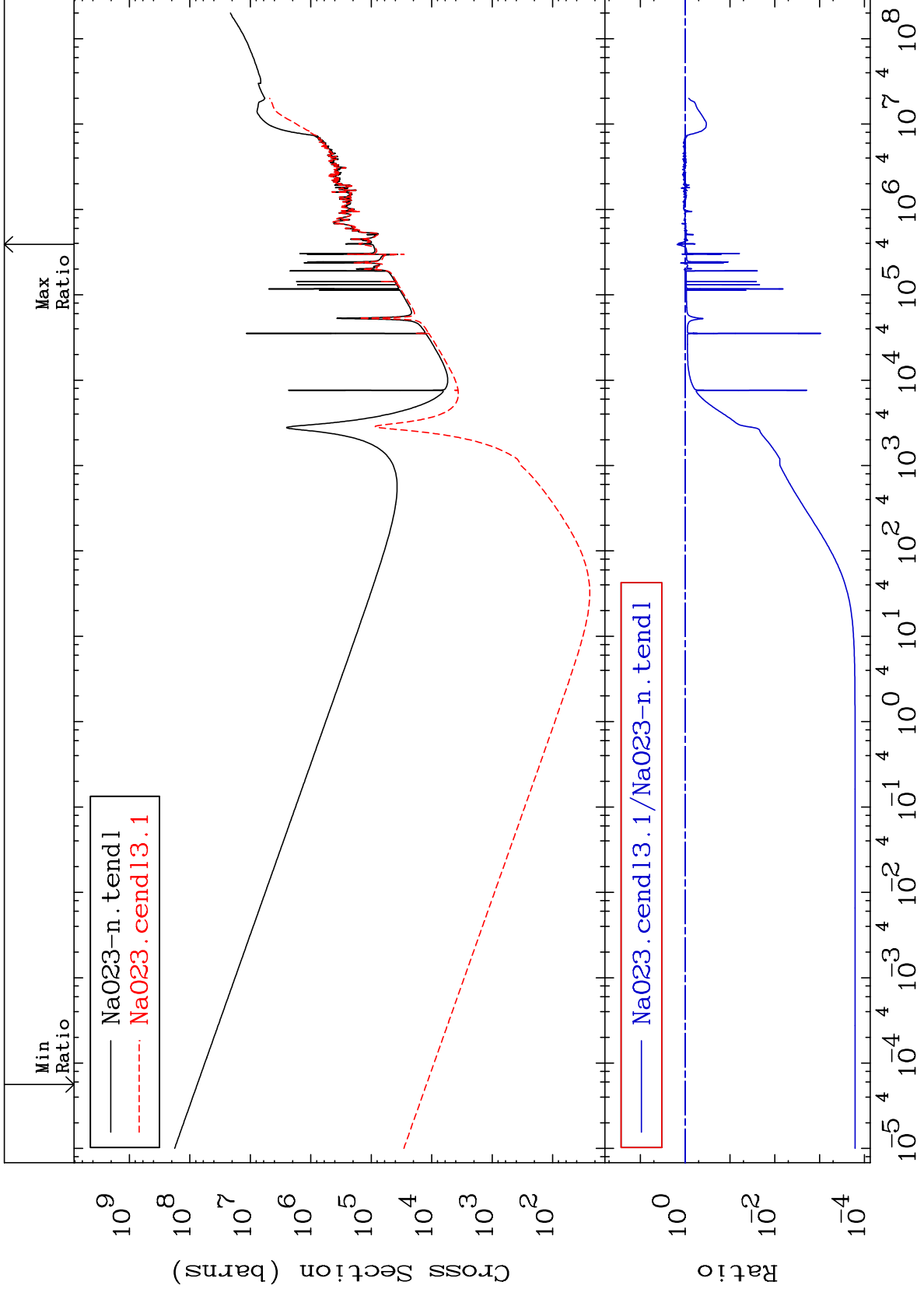
11-Na-23
-100.0 To 9999. %



MAT 1125

Total kinematic kerma (high limit)
Cross Section

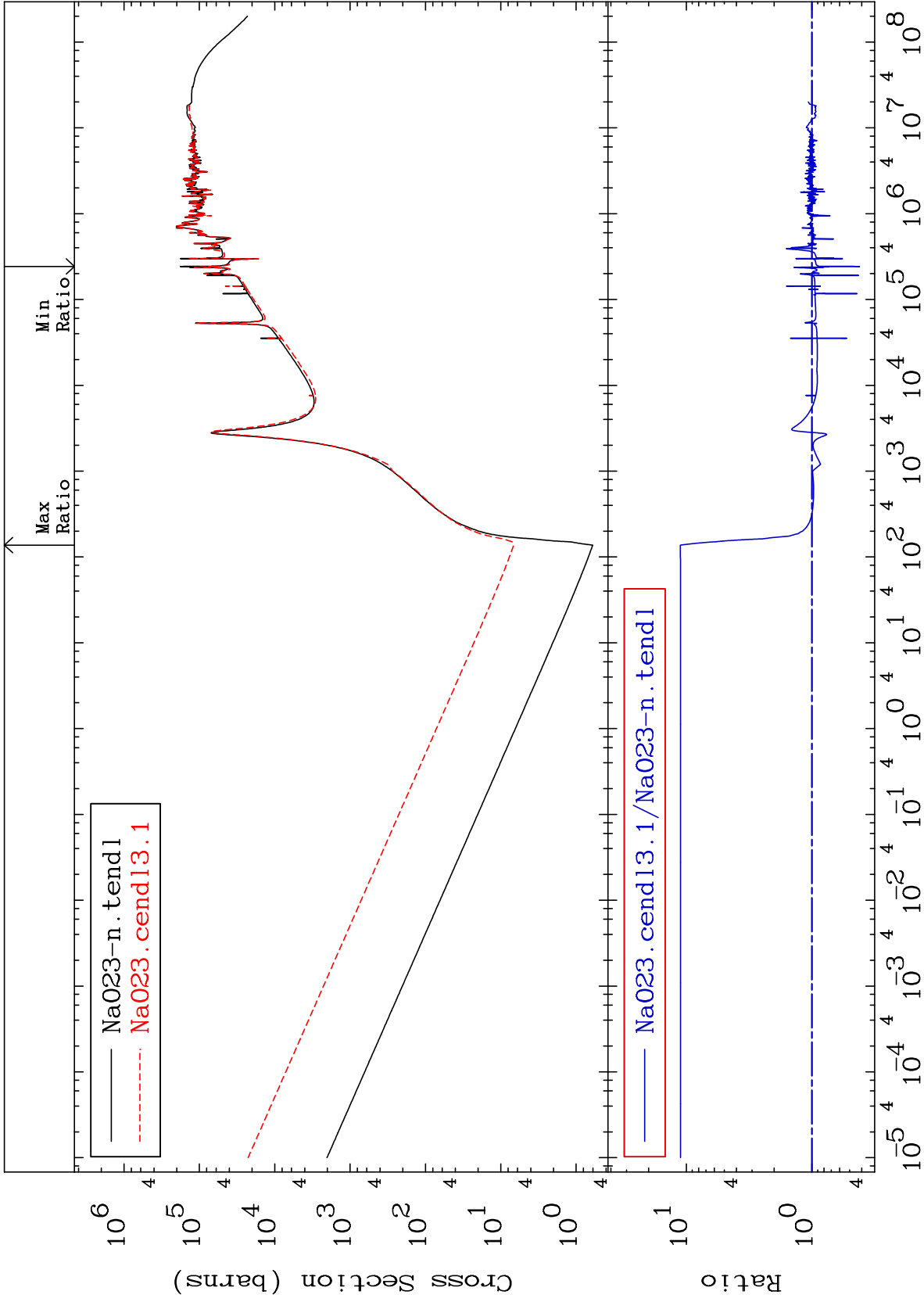
11-Na-23
-99.98 To 52.66 %

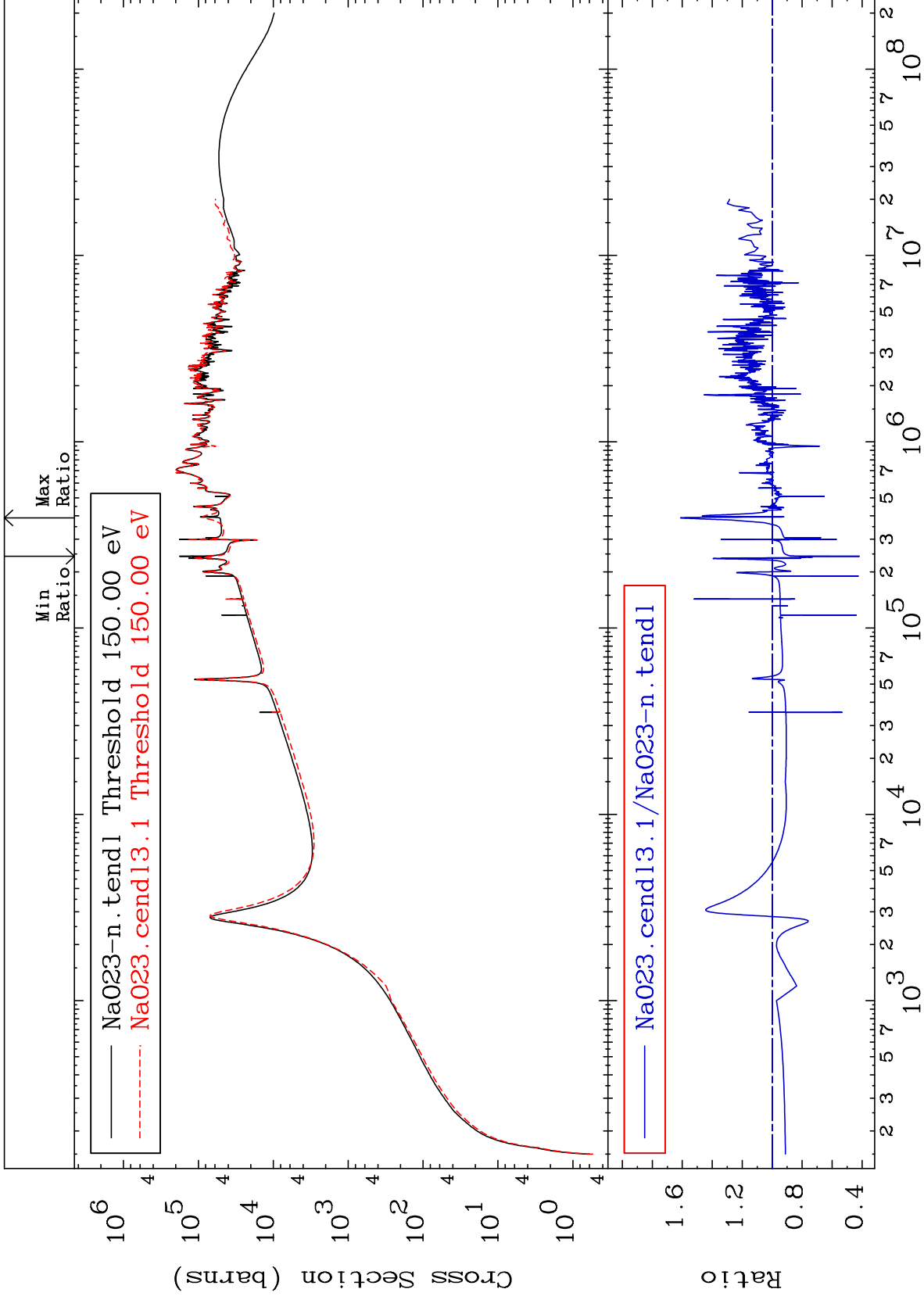


48

11-Na-23

11-Na-23





MAT 1125

Dpa inelastic (mt51-91)
Cross Section

11-Na-23
-58.62 To 582.6 %

