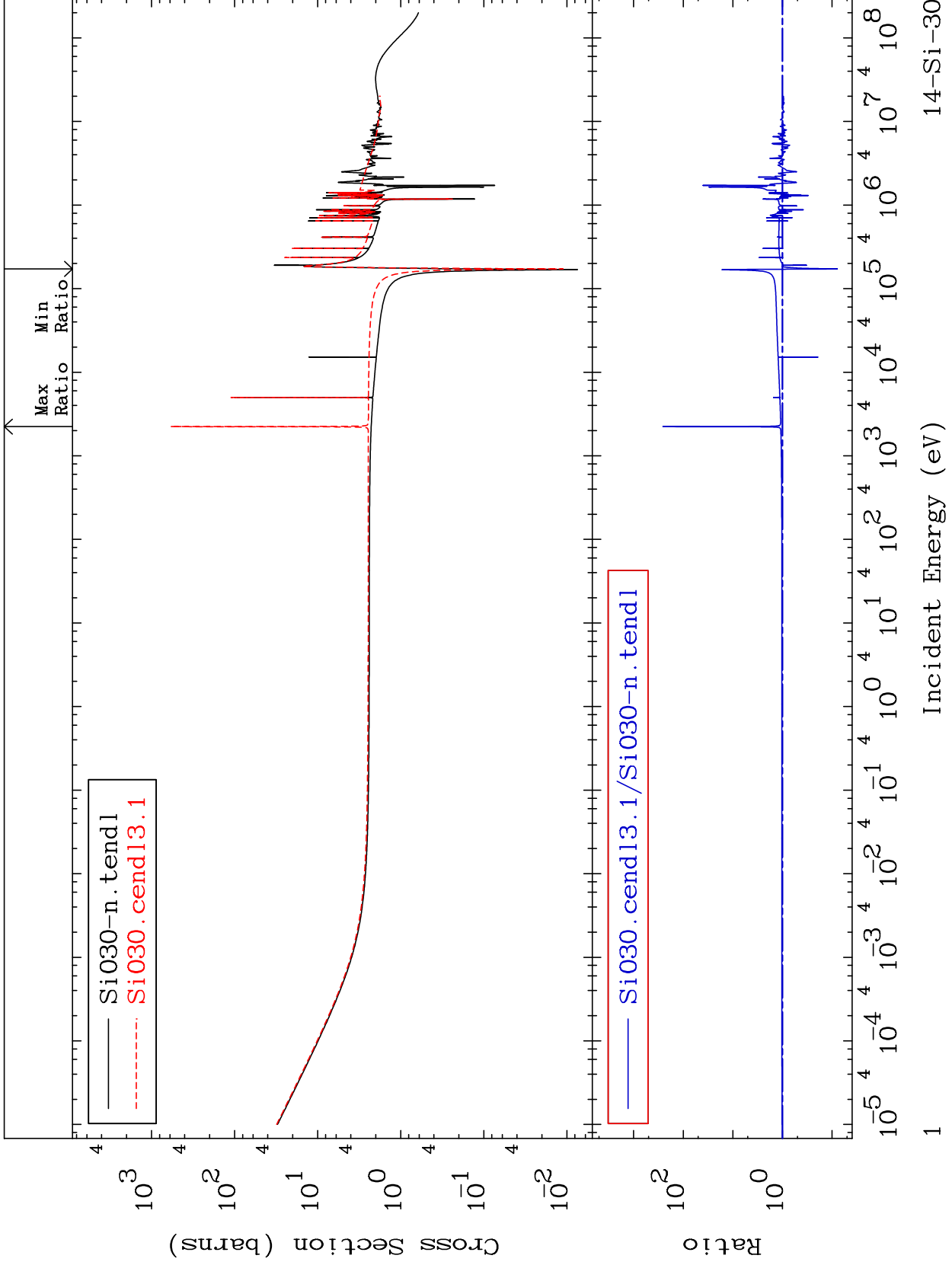


MAT 1431

Total
Cross Section

14-Si-30
-92.15 To 9999. %

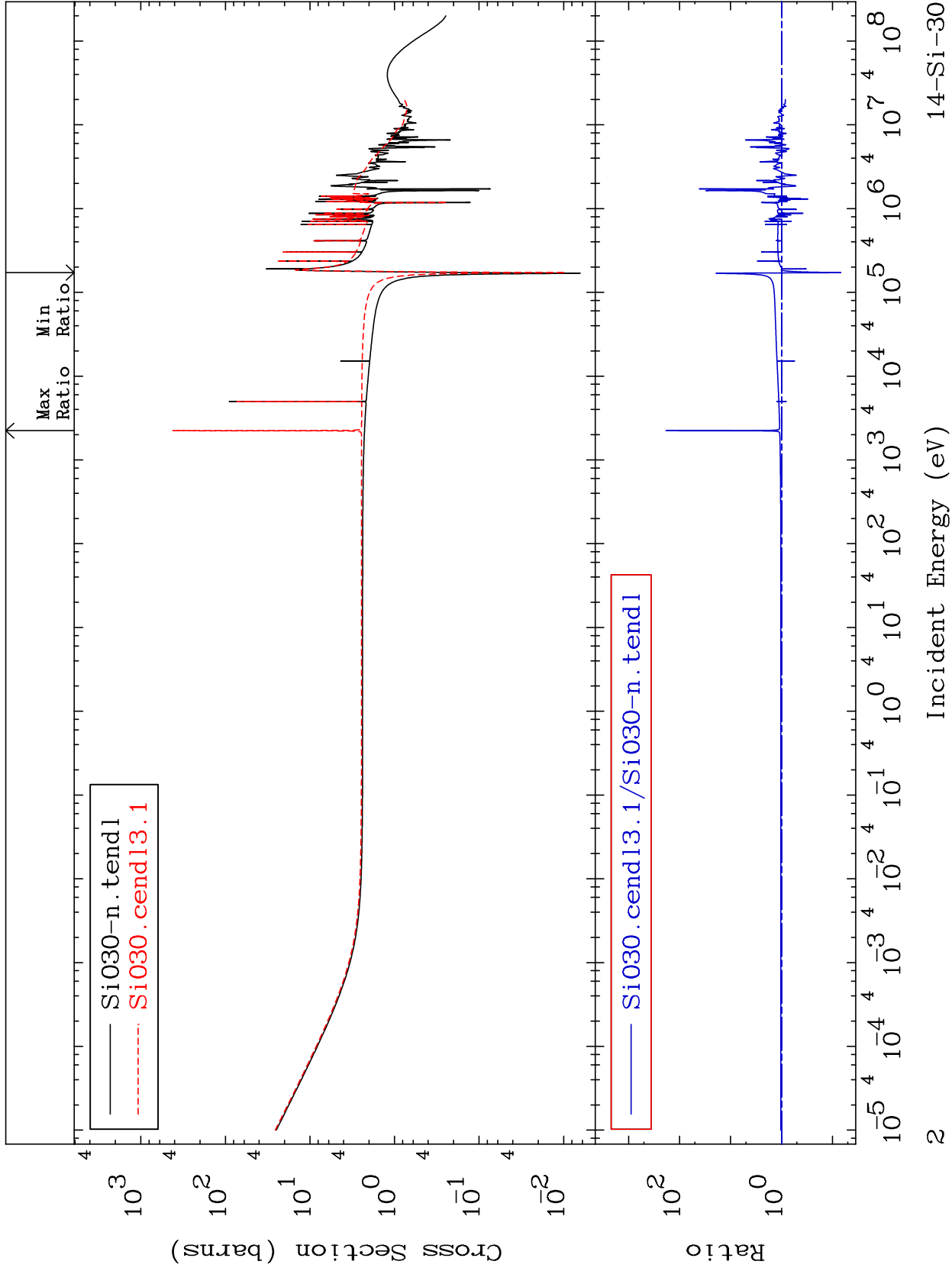


14-Si-30

MAT 1431

Elastic
Cross Section

14-Si-30
-93.15 To 9999. %



14-Si-30

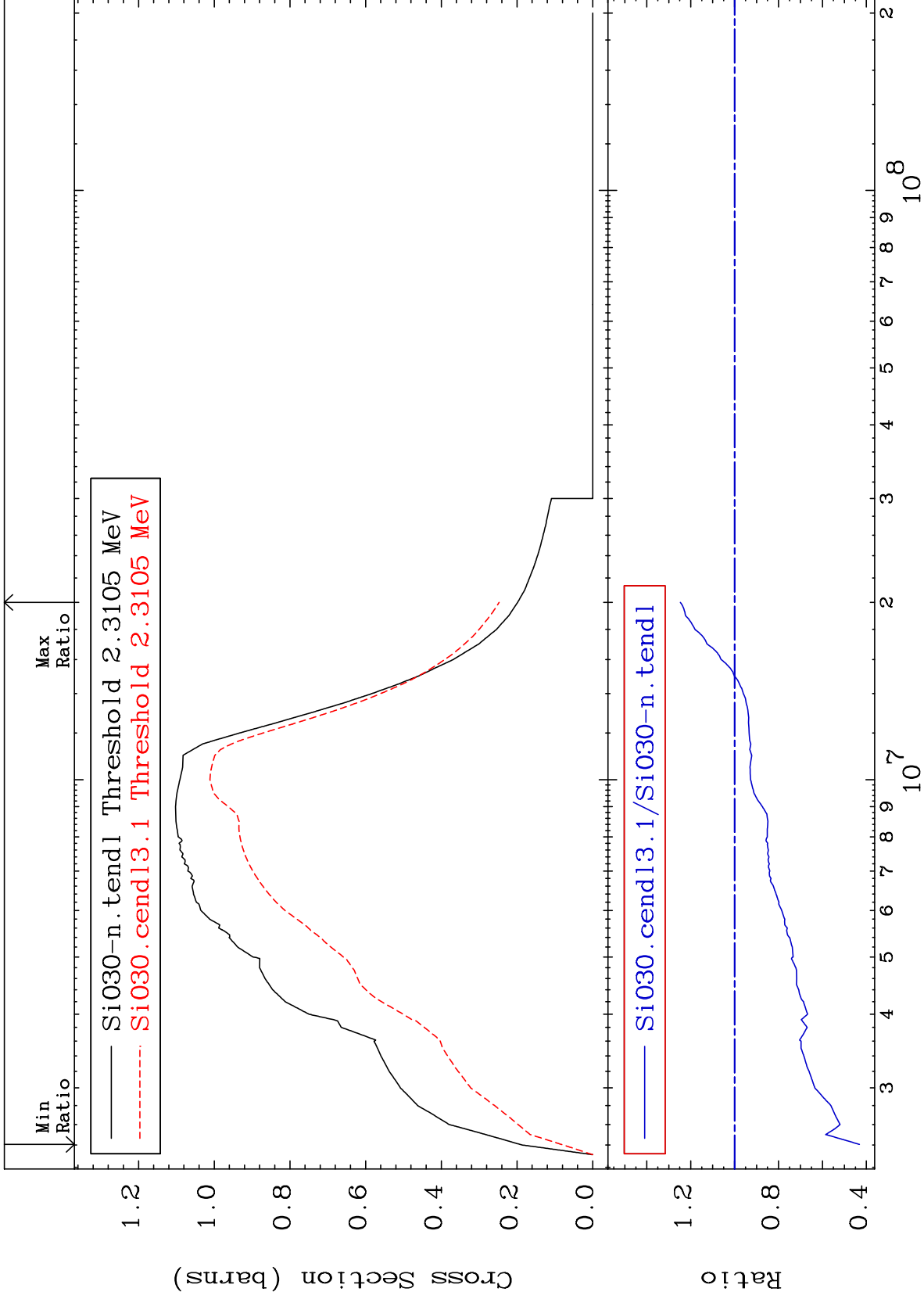
Incident Energy (eV)

2

MAT 1431

Inelastic
Cross Section

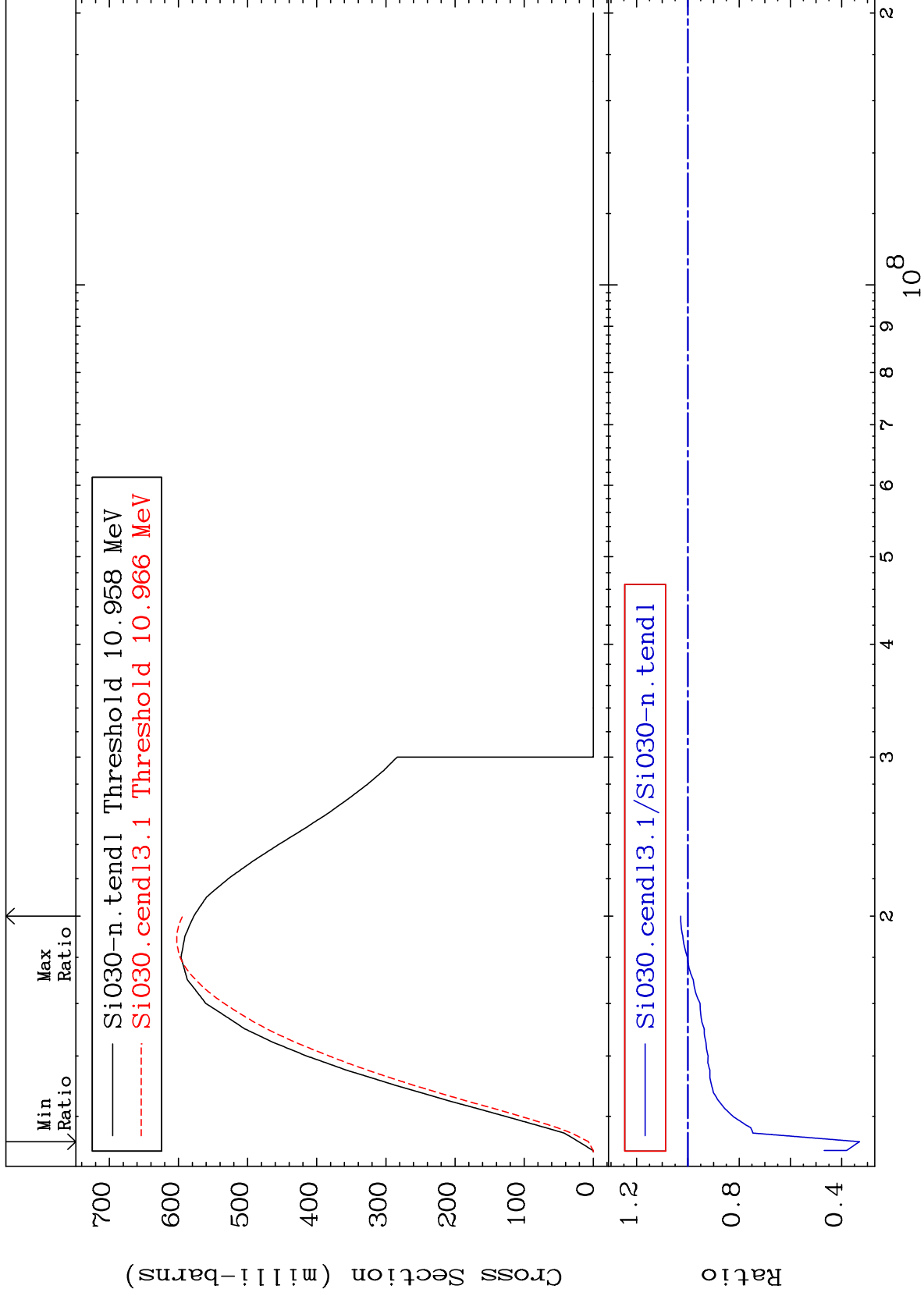
14-Si-30
-56.84 To 24.72 %



MAT 1431

(n,2n)
Cross Section

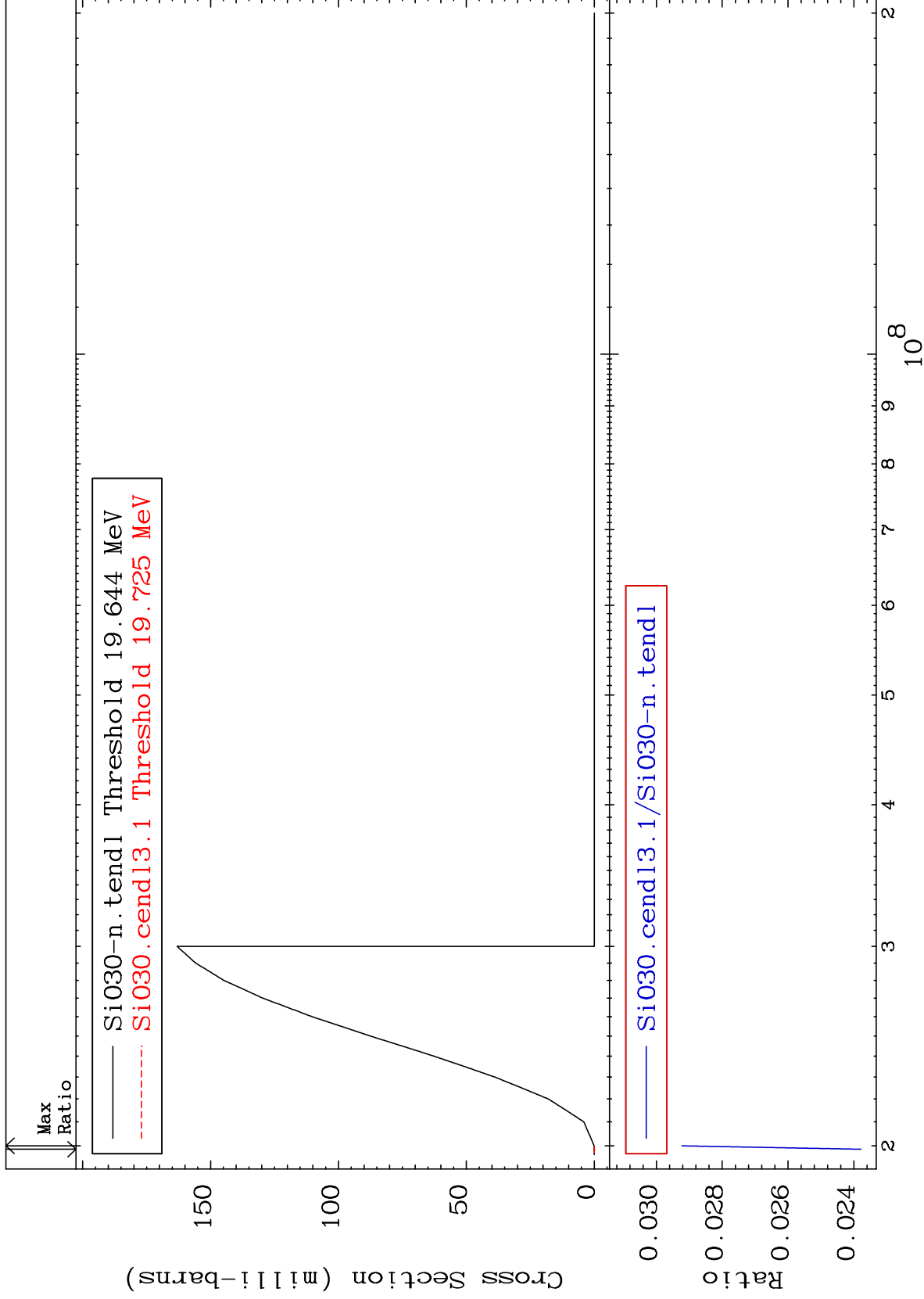
14-Si-30
-66.94 To 2.781 %



MAT 1431

(n,3n)
Cross Section

14-Si-30
-97.62 To -97.08%



5

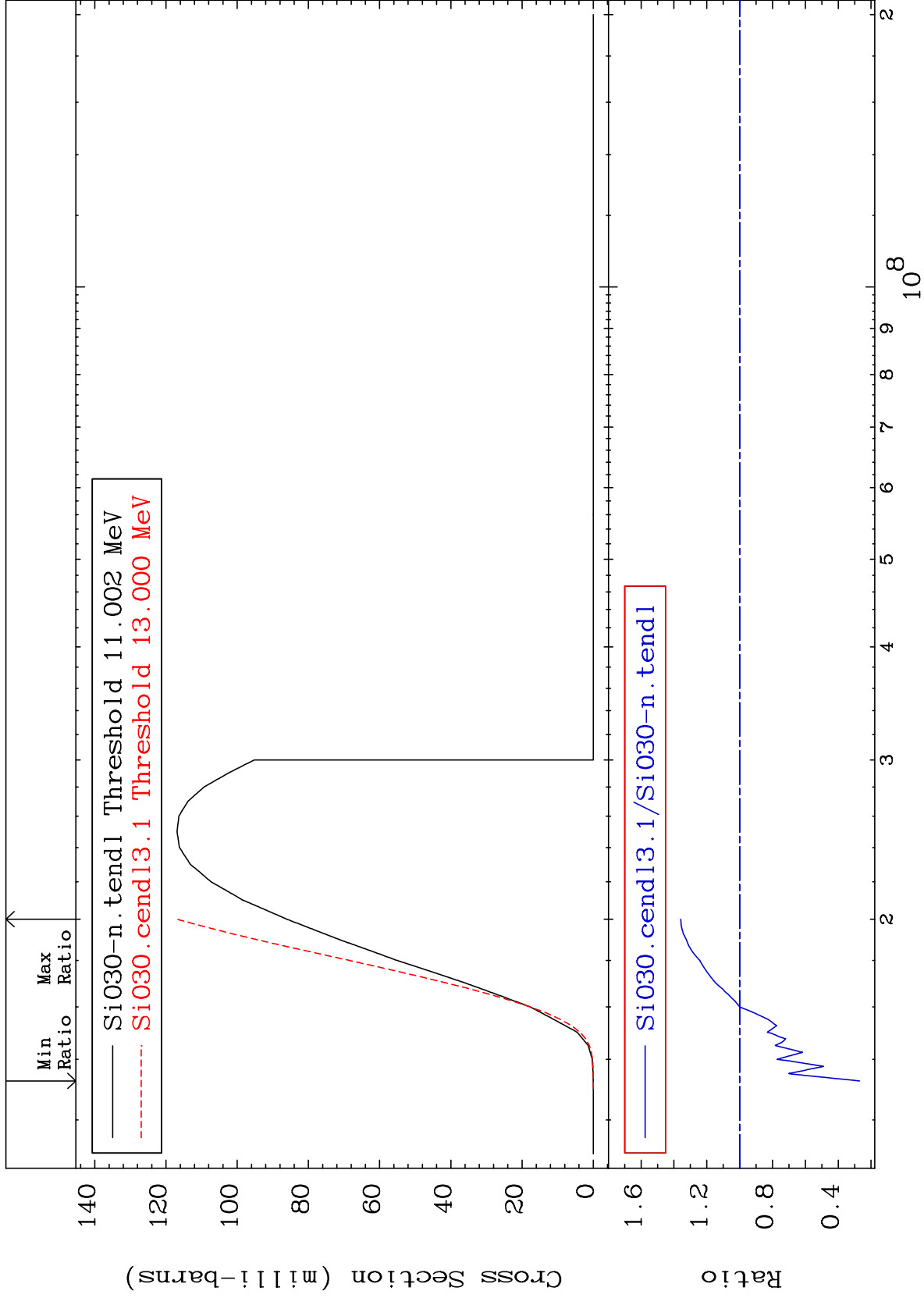
Incident Energy (eV)

14-Si-30

MAT 1431

(n, n') α
Cross Section

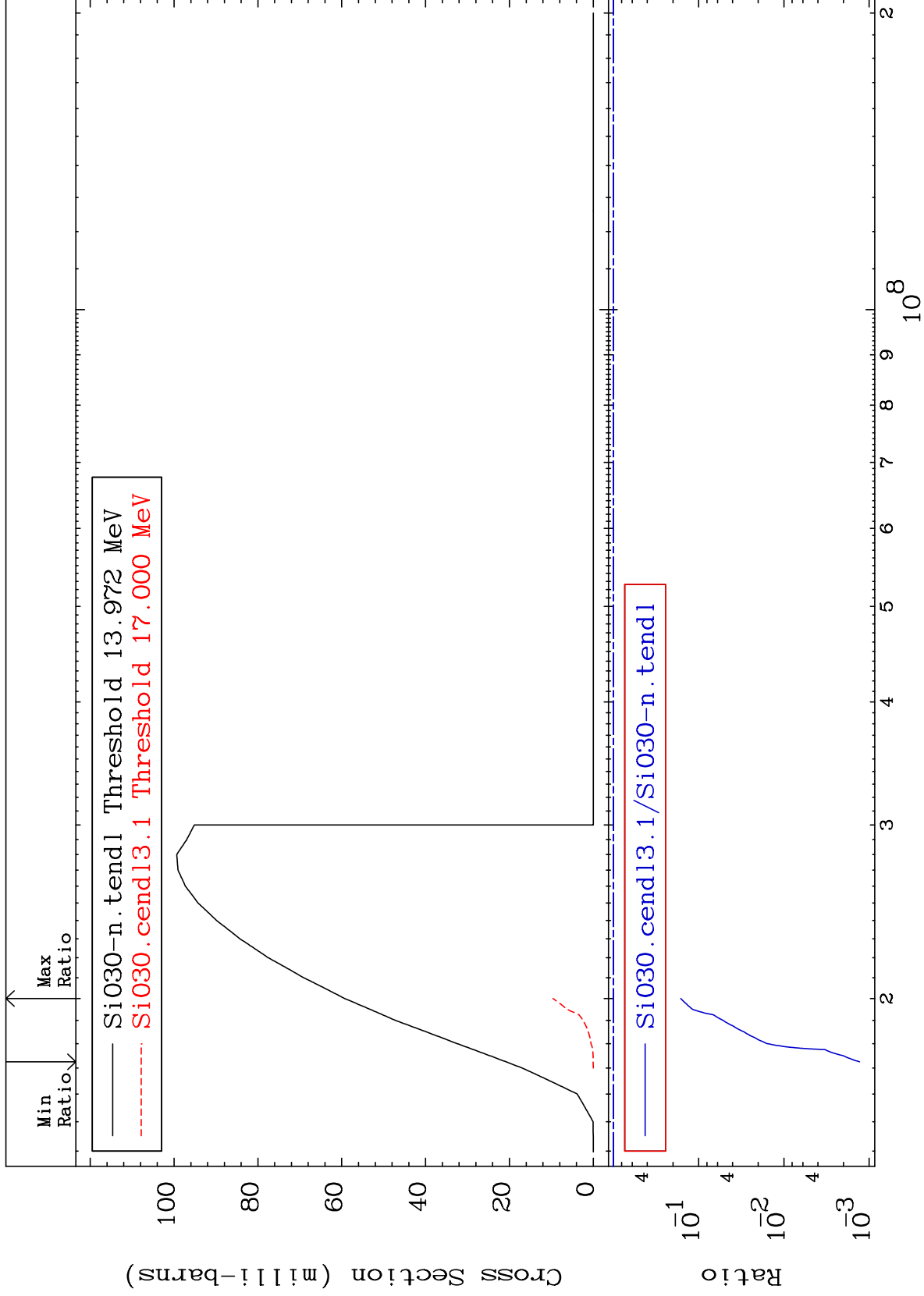
14-Si-30
-72.97 To 35.85 %



MAT 1431

(n,n') p
Cross Section

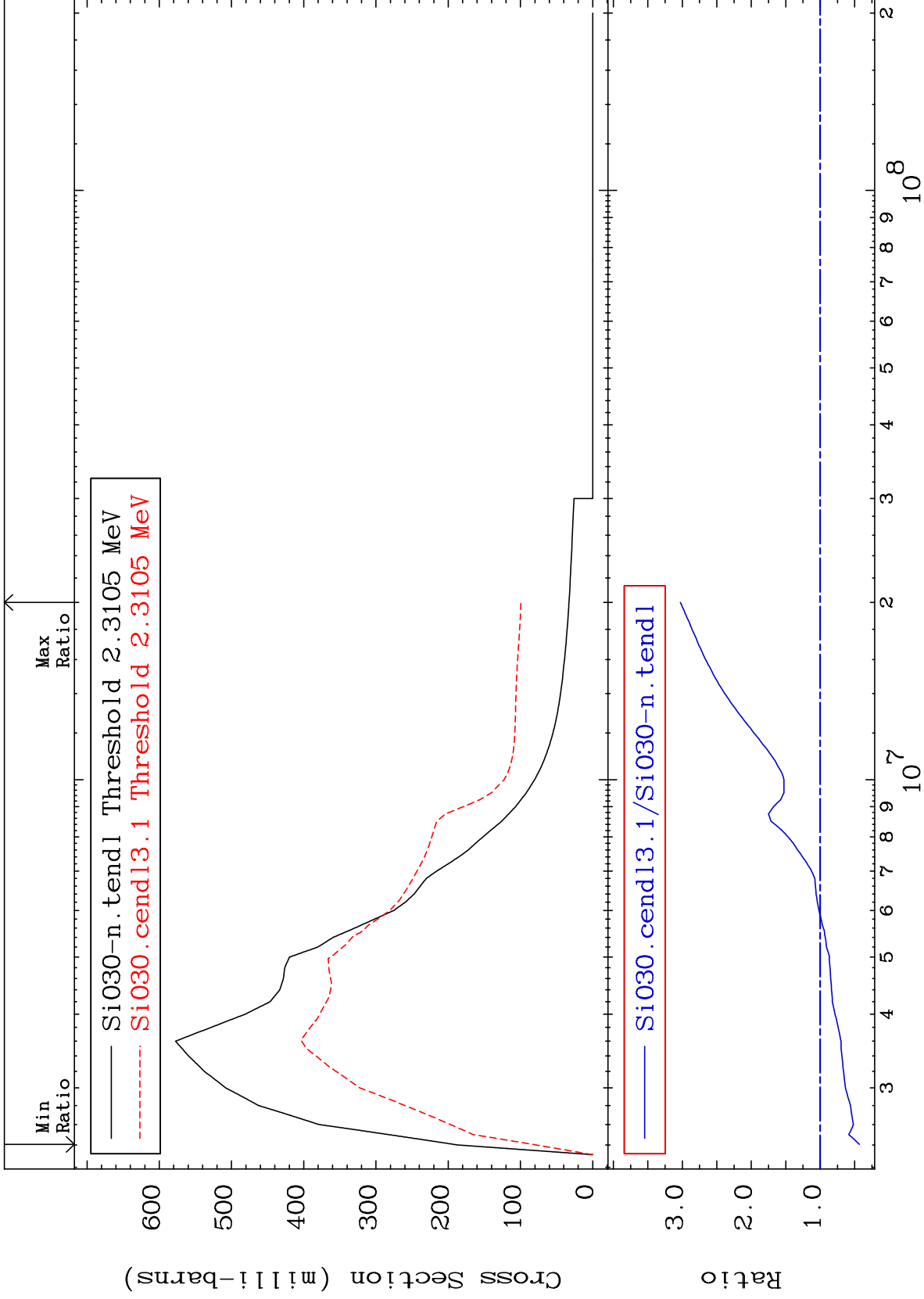
14-Si-30
-99.87 To -83.82%



MAT 1431

2.235 MeV (n,n') Level
Cross Section

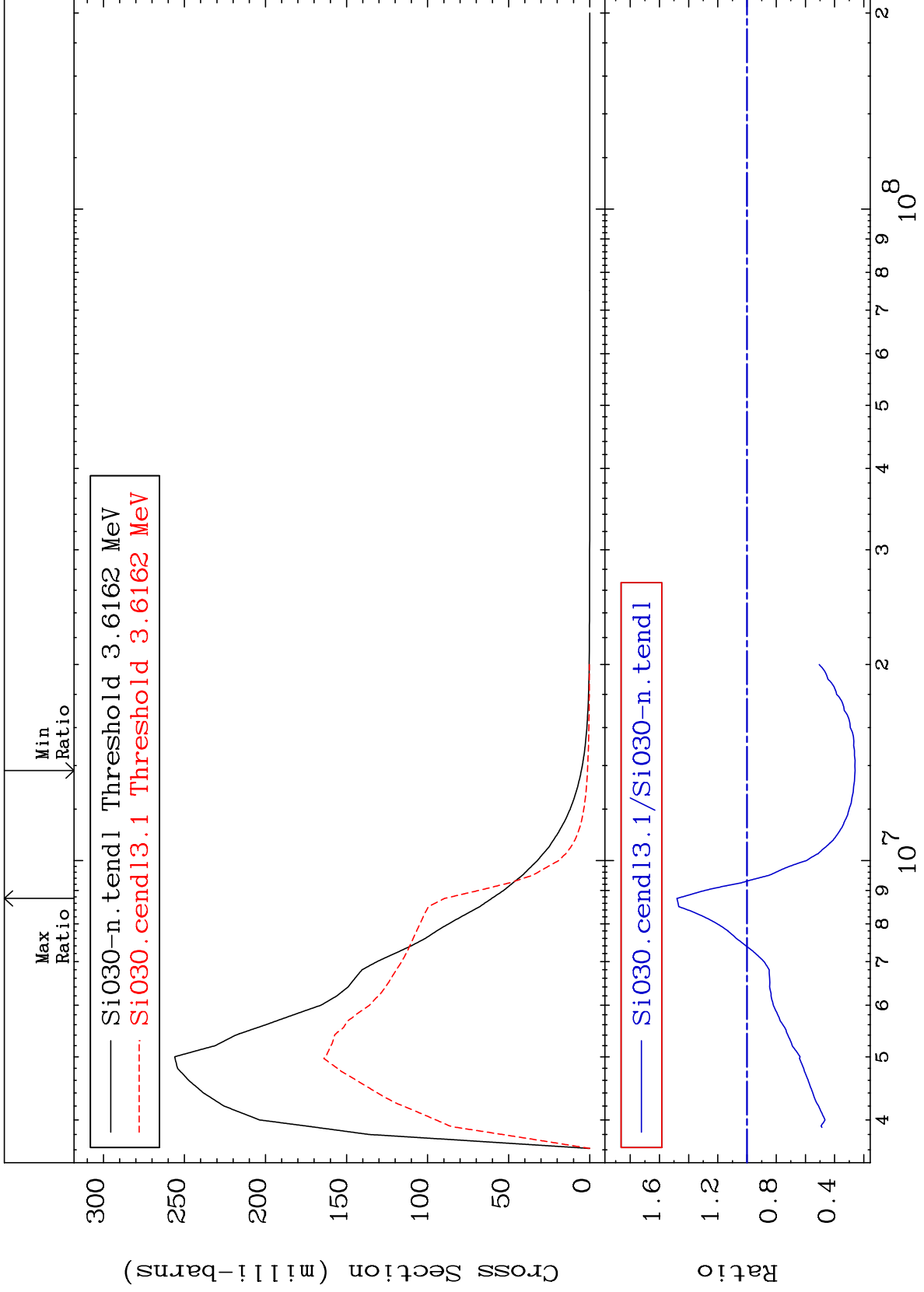
14-Si-30
-56.84 To 202.9 %



MAT 1431

3.498 MeV (n,n') Level
Cross Section

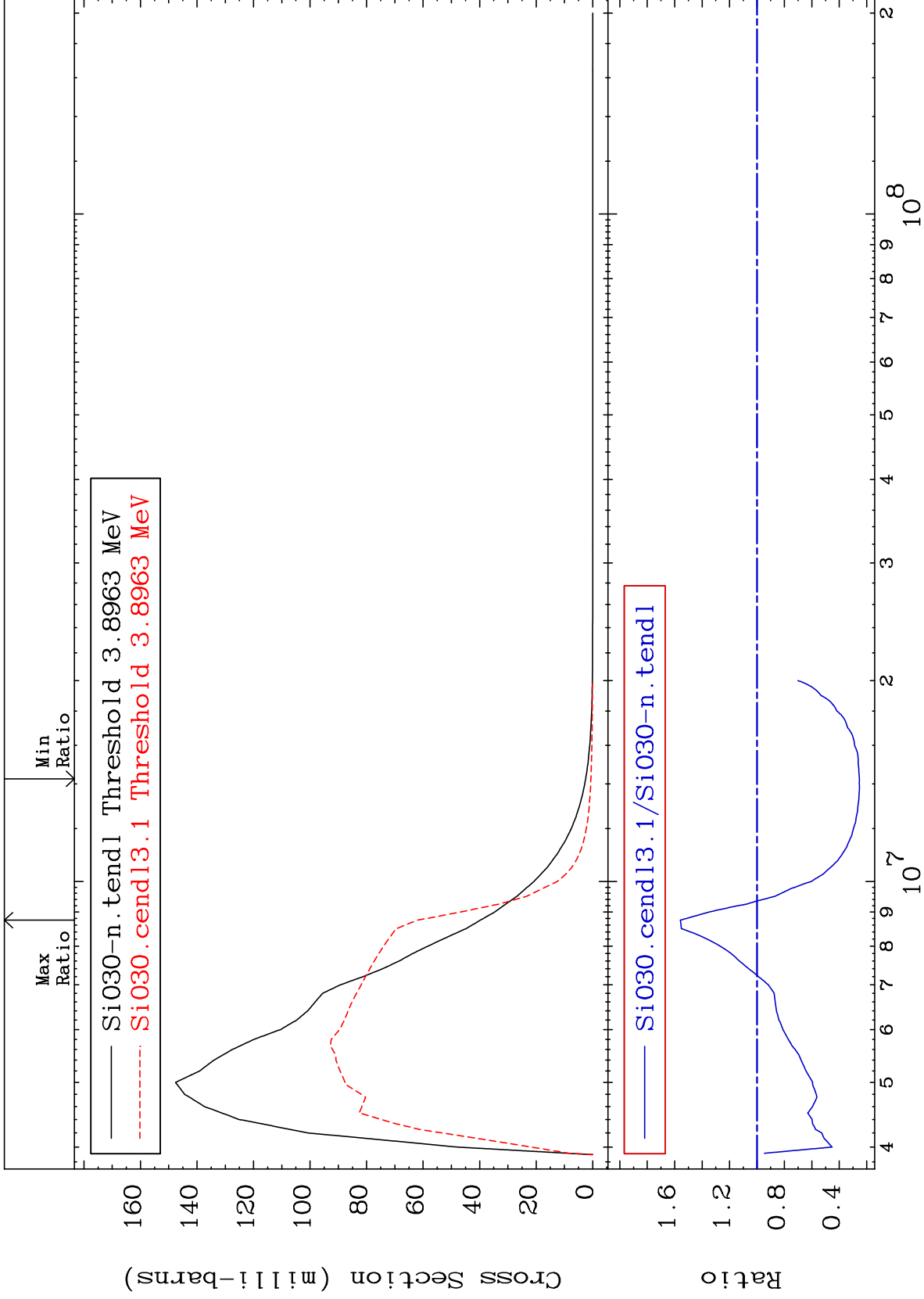
14-Si-30
-74.01 To 48.03 %



MAT 1431

3.769 MeV (n,n') Level
Cross Section

14-Si-30
-74.70 To 55.86 %



10

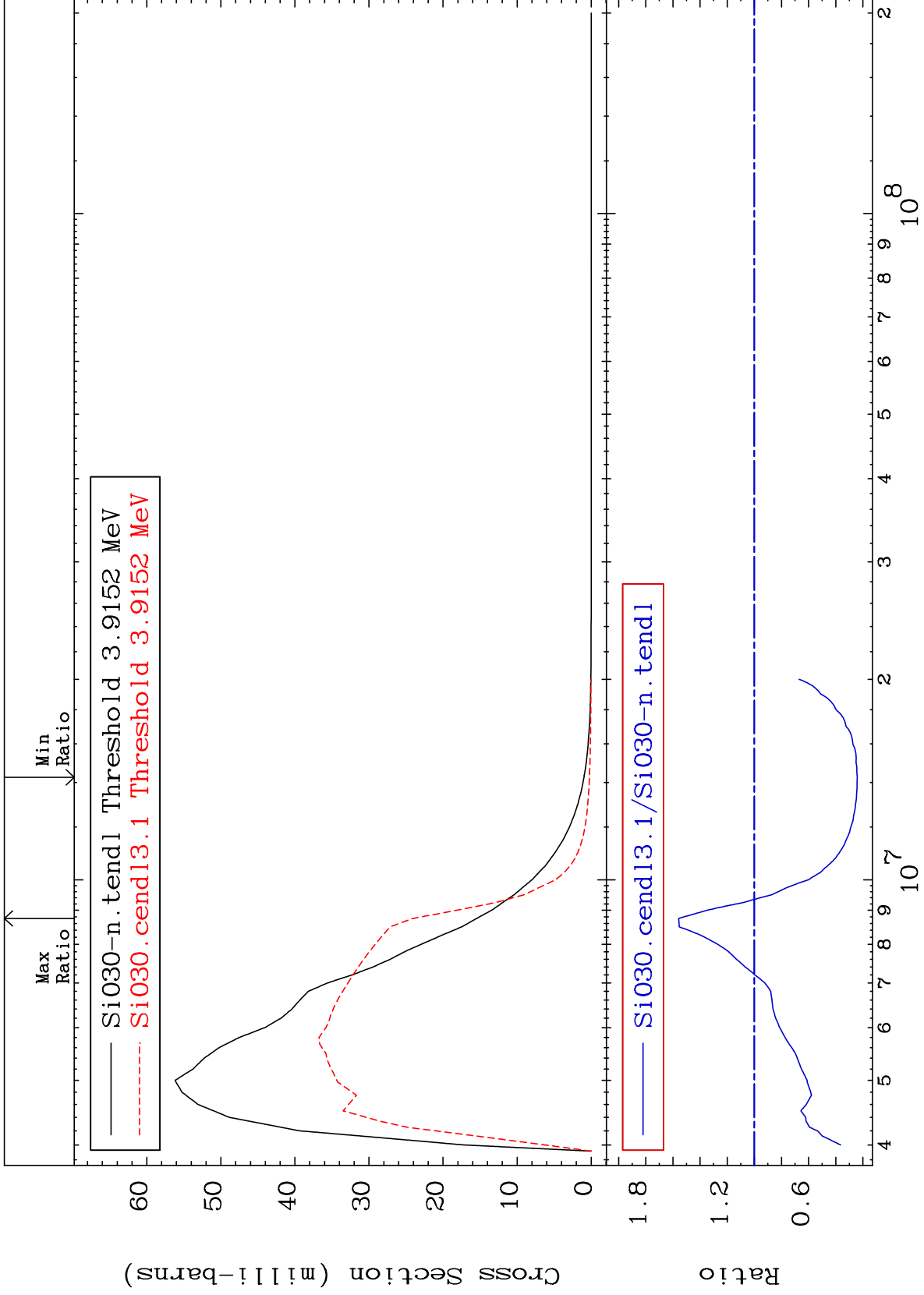
Incident Energy (eV)

14-Si-30

MAT 1431

3.788 MeV (n,n') Level
Cross Section

14-Si-30
-75.86 To 55.76 %



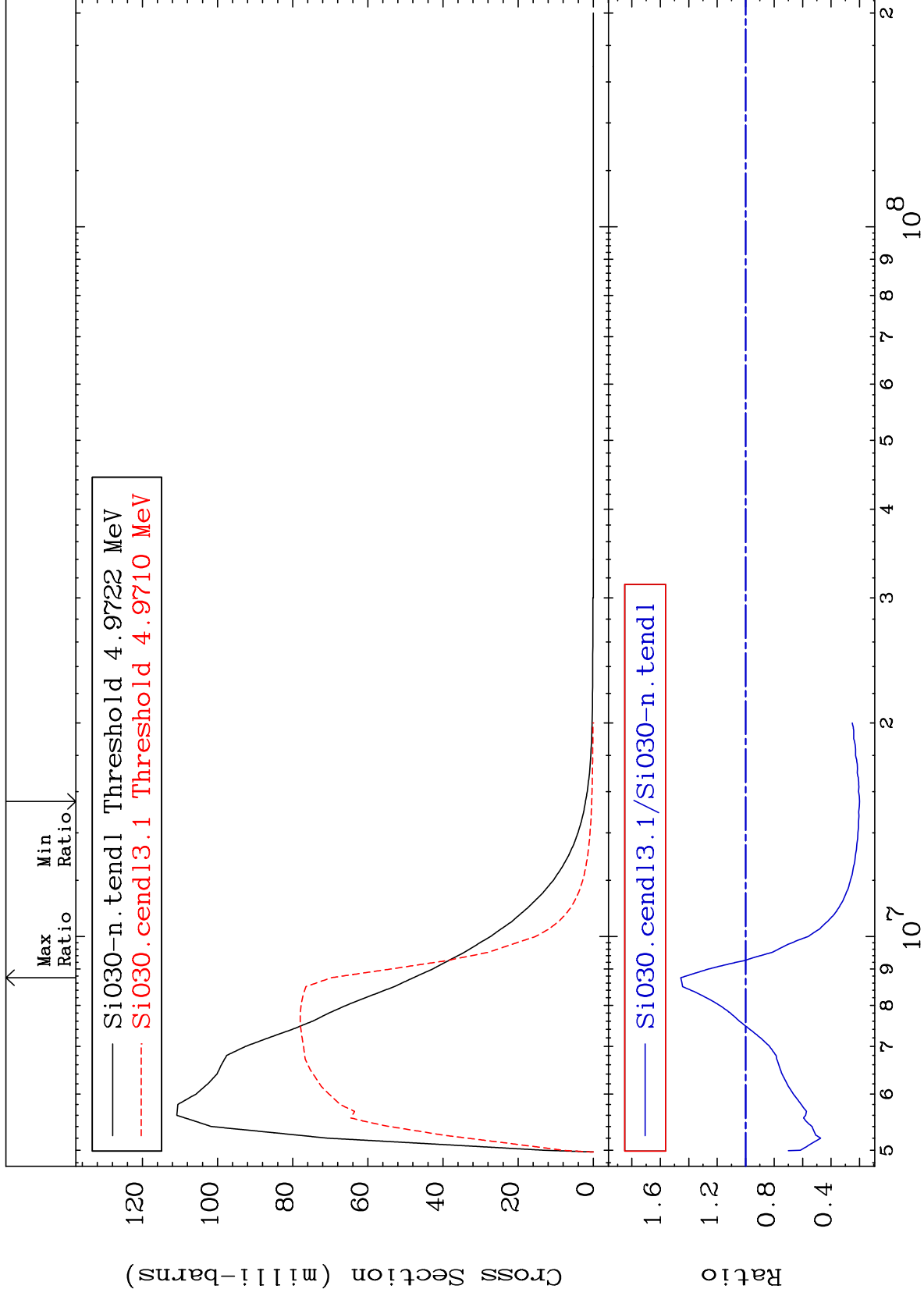
11

14-Si-30

MAT 1431

4.810 MeV (n,n') Level
Cross Section

14-Si-30
-80.02 To 45.64 %



12

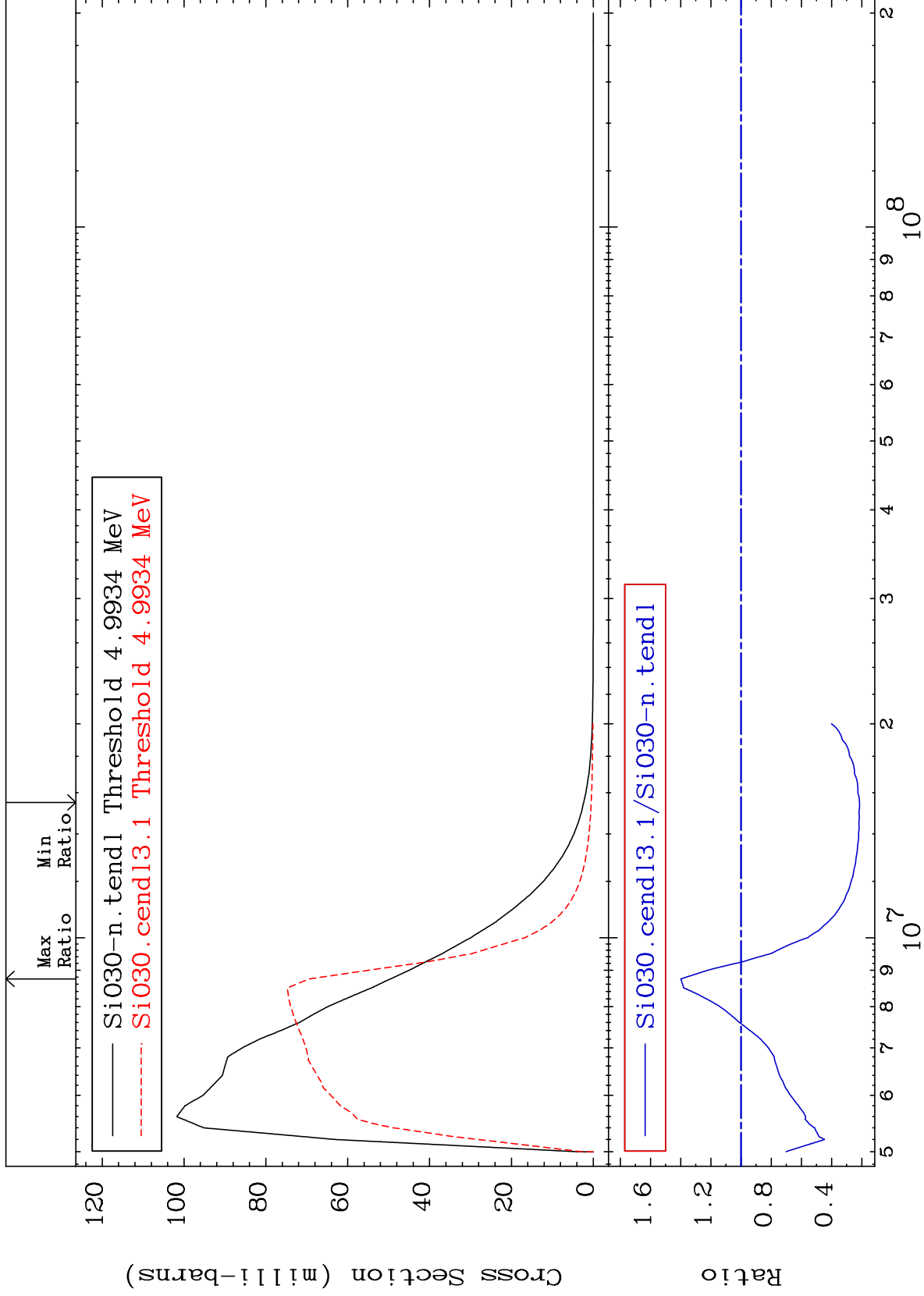
Incident Energy (eV)

14-Si-30

MAT 1431

4.831 MeV (n,n') Level
Cross Section

14-Si-30
-78.54 To 39.90 %



13

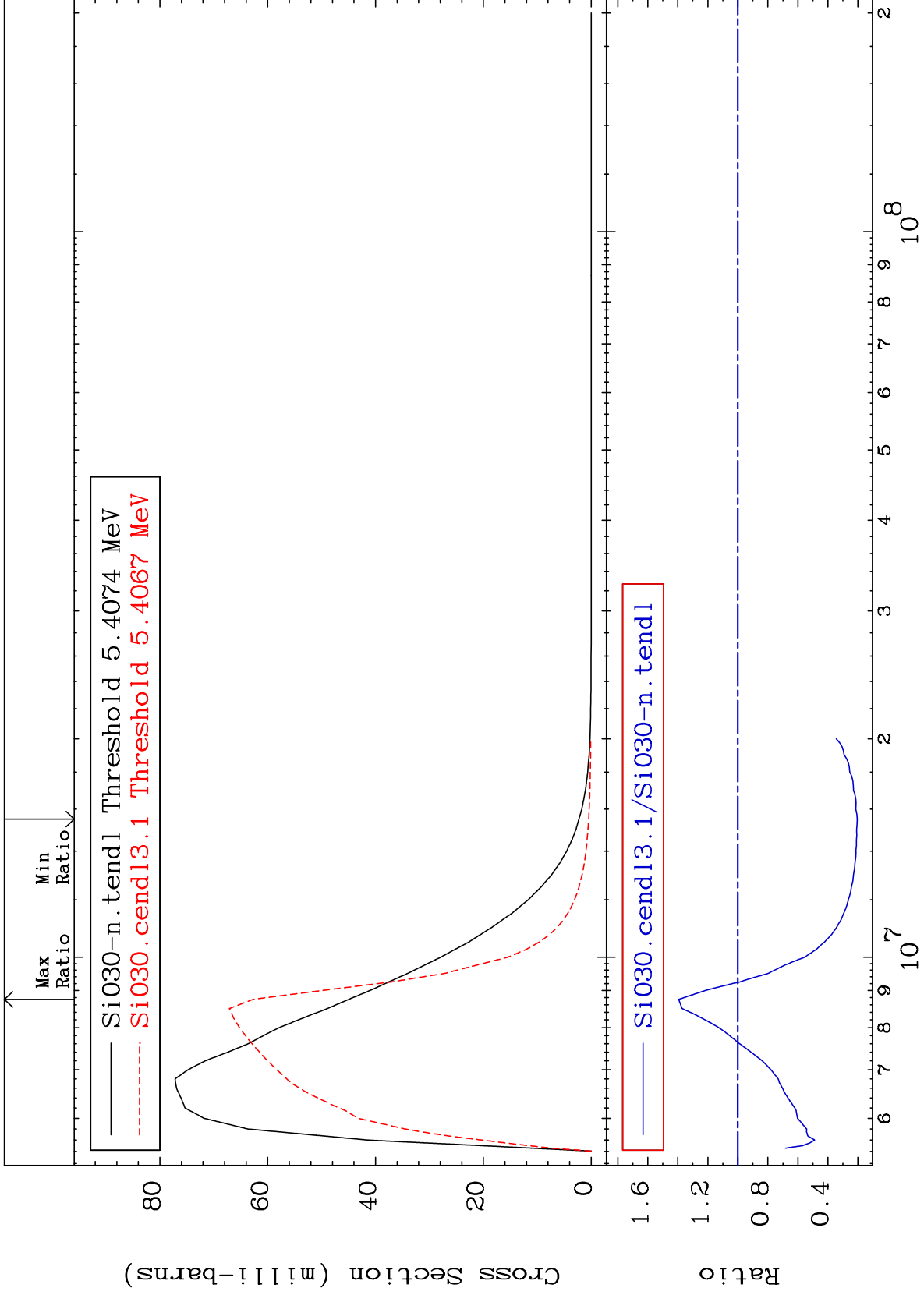
Incident Energy (eV)

14-Si-30

MAT 1431

5.231 MeV (n,n') Level
Cross Section

14-Si-30
-79.53 To 39.46 %



14

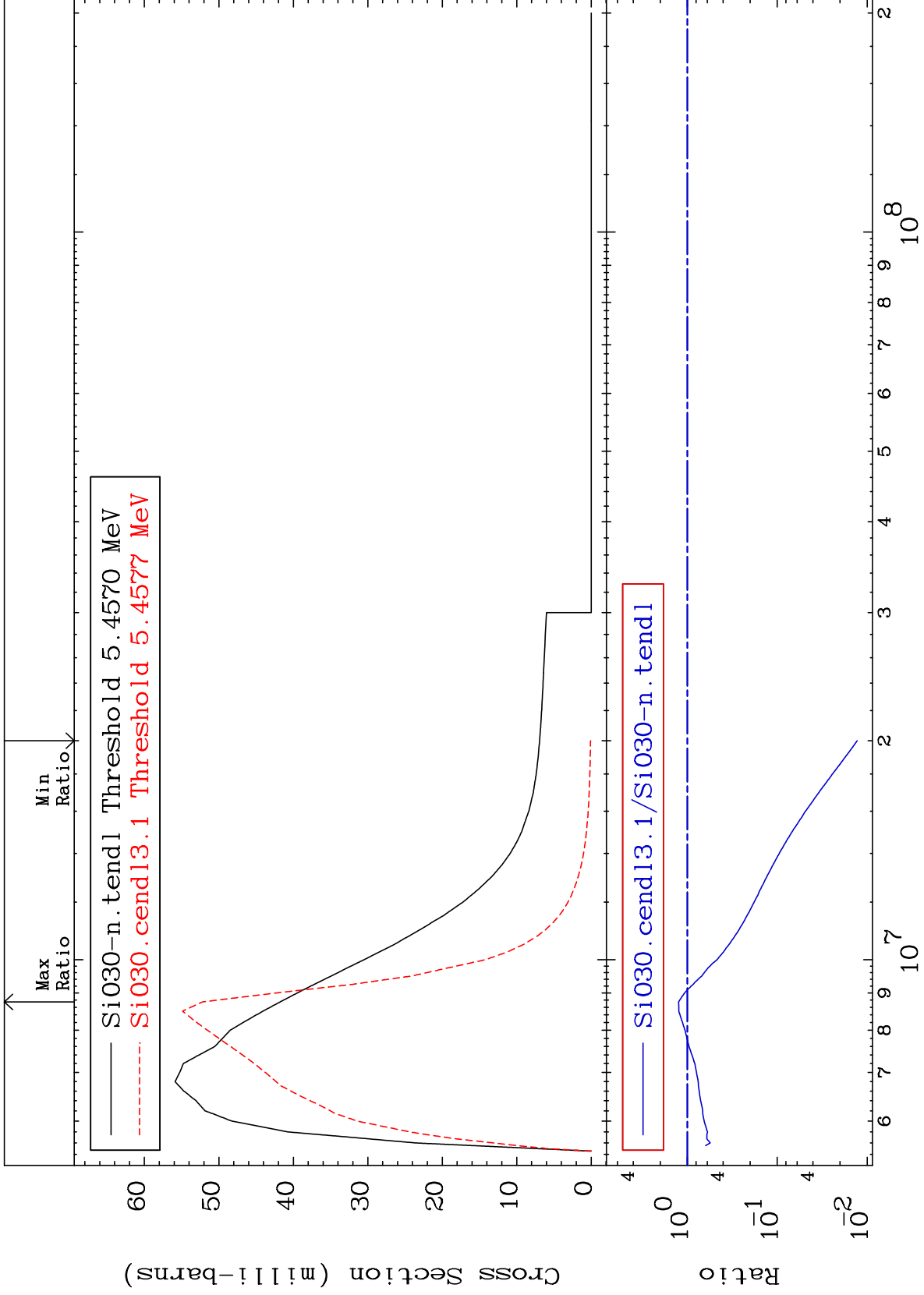
Incident Energy (eV)

14-Si-30

MAT 1431

5.279 MeV (n,n') Level
Cross Section

14-Si-30
-98.71 To 24.96 %



15

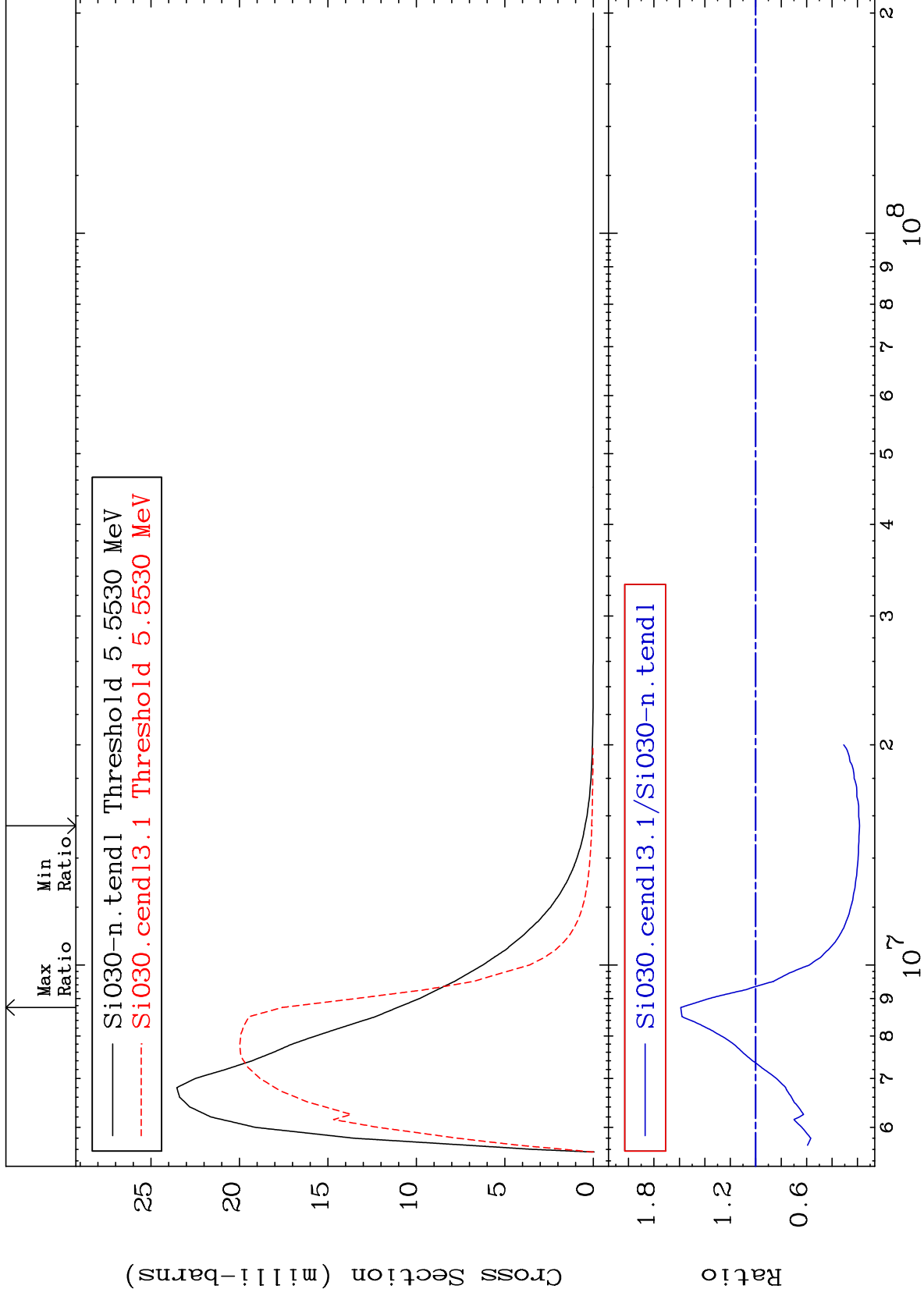
Incident Energy (eV)

14-Si-30

MAT 1431

5.372 MeV (n,n') Level
Cross Section

14-Si-30
-81.62 To 58.93 %



16

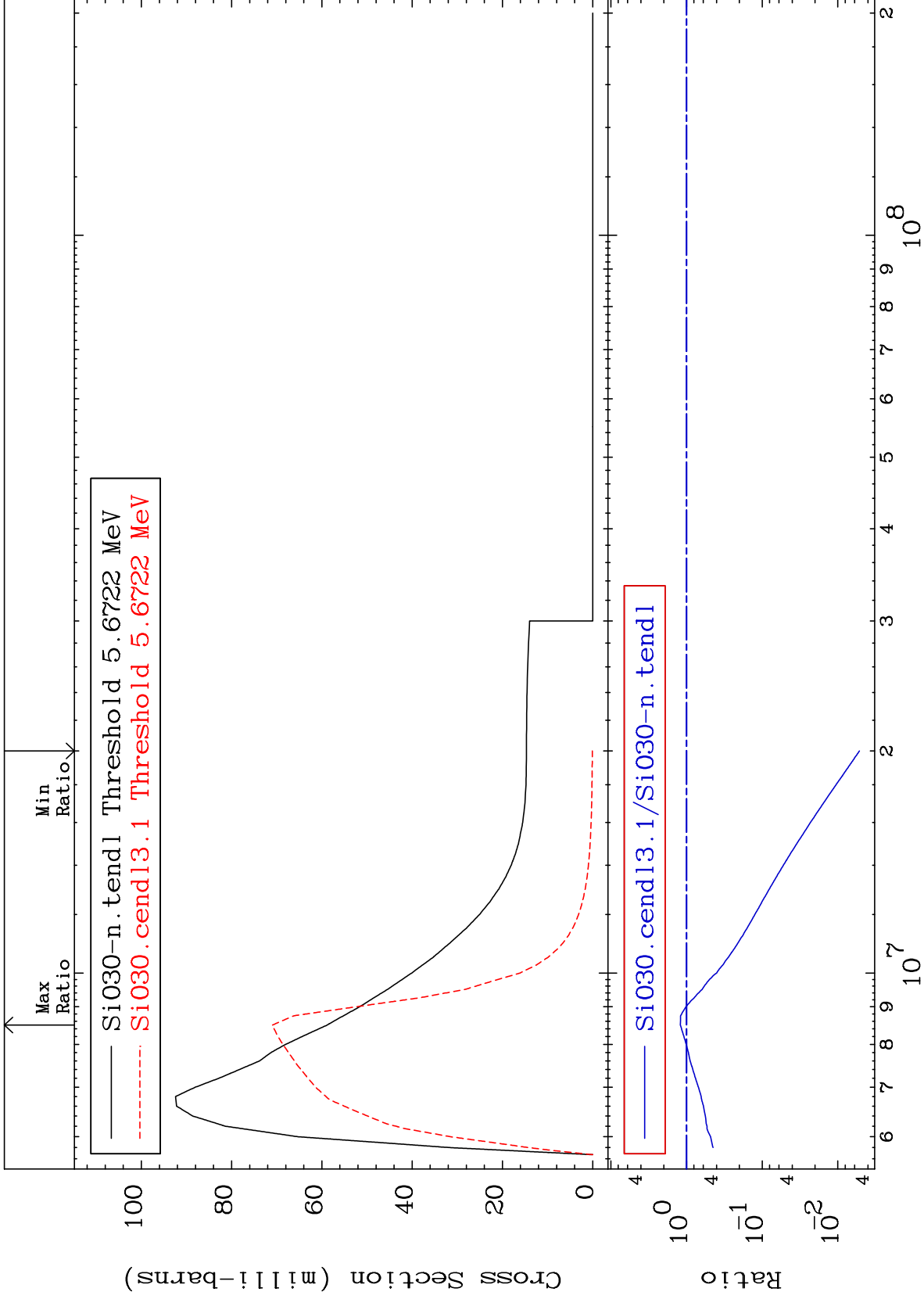
Incident Energy (eV)

14-Si-30

MAT 1431

5.488 MeV (n,n') Level
Cross Section

14-Si-30
-99.48 To 20.61 %



17

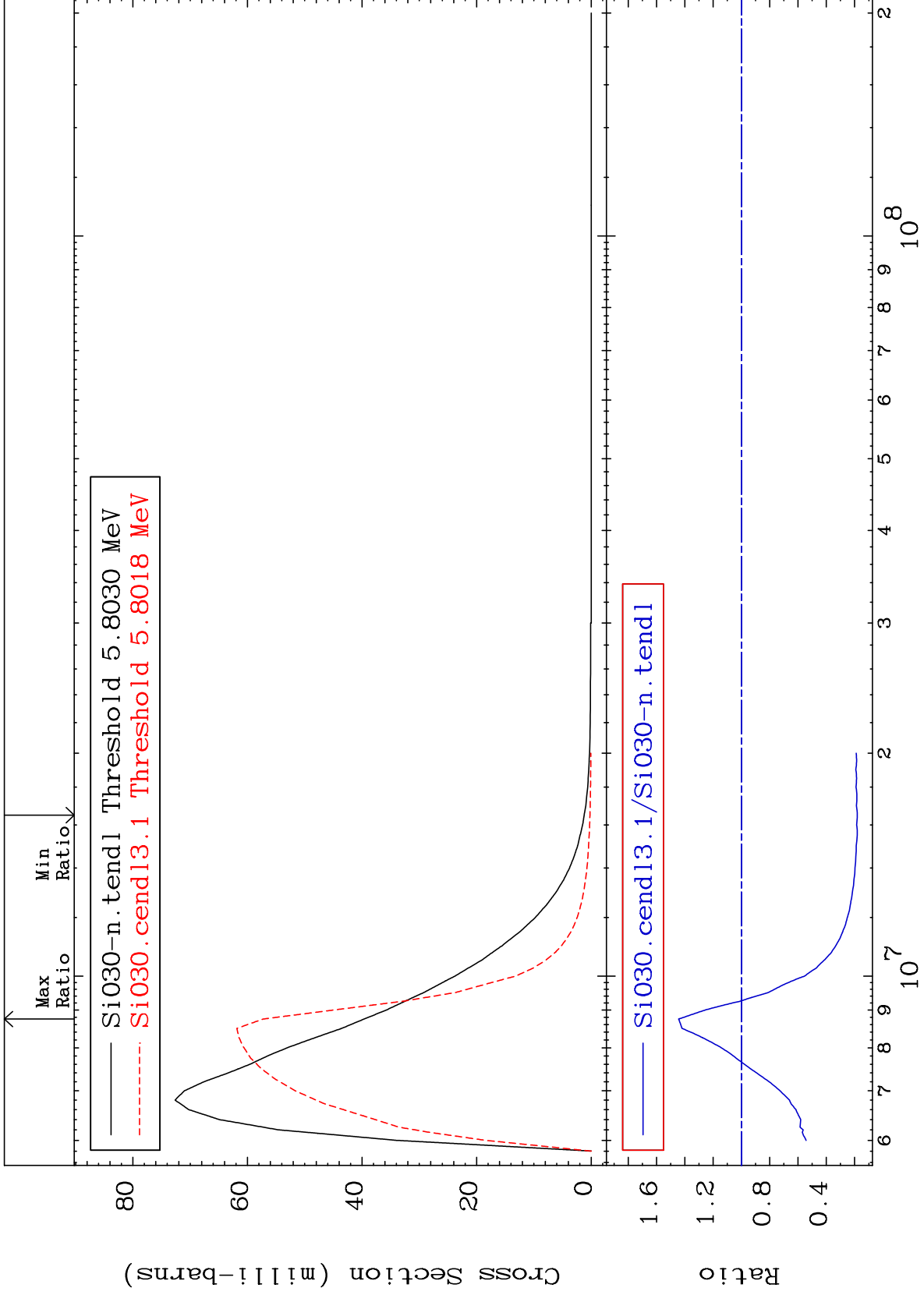
Incident Energy (eV)

14-Si-30

MAT 1431

5.614 MeV (n,n') Level
Cross Section

14-Si-30
-81.84 To 44.40 %



18

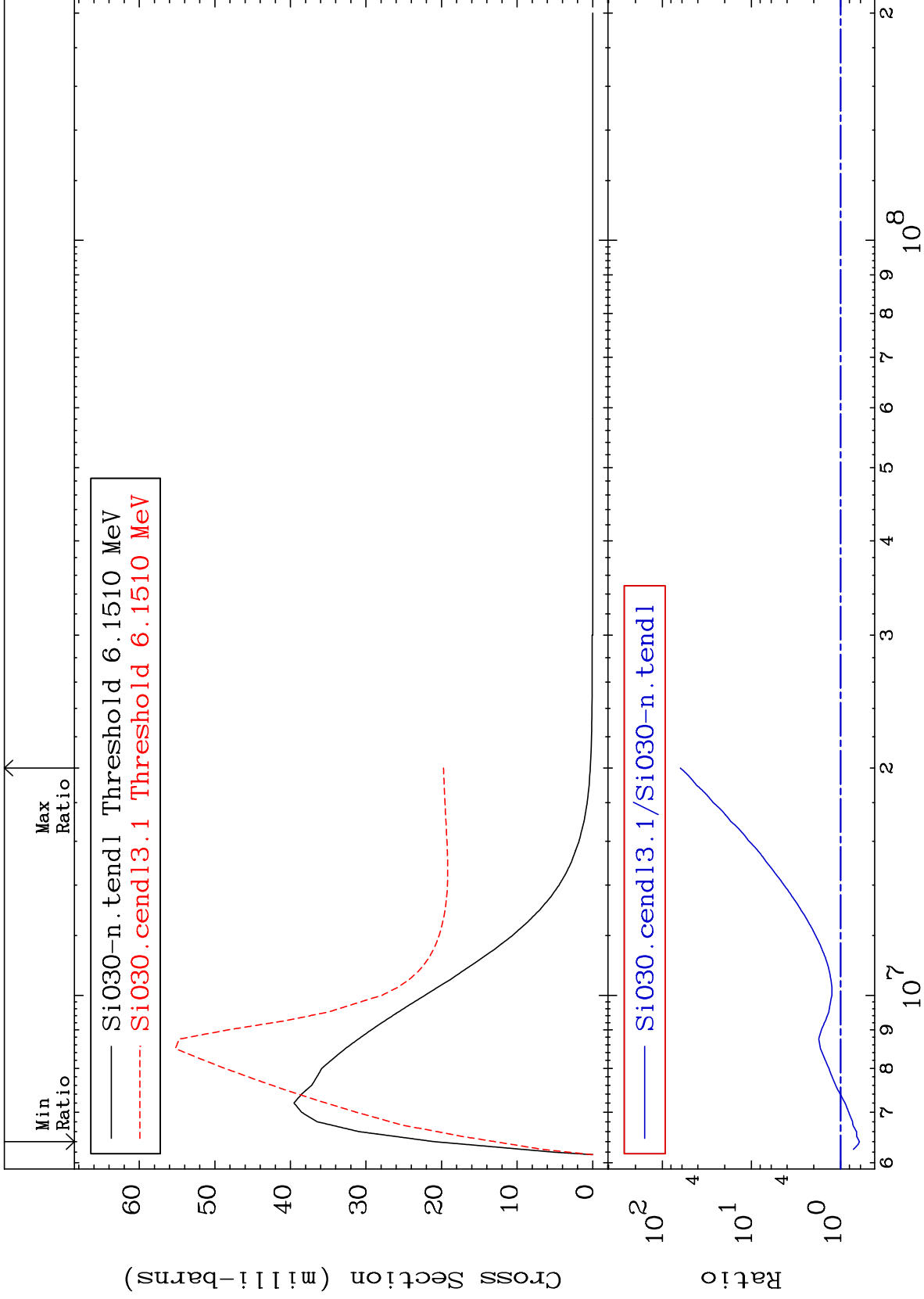
Incident Energy (eV)

14-Si-30

MAT 1431

5.951 MeV (n,n') Level
Cross Section

14-Si-30
-38.35 To 6171. %



19

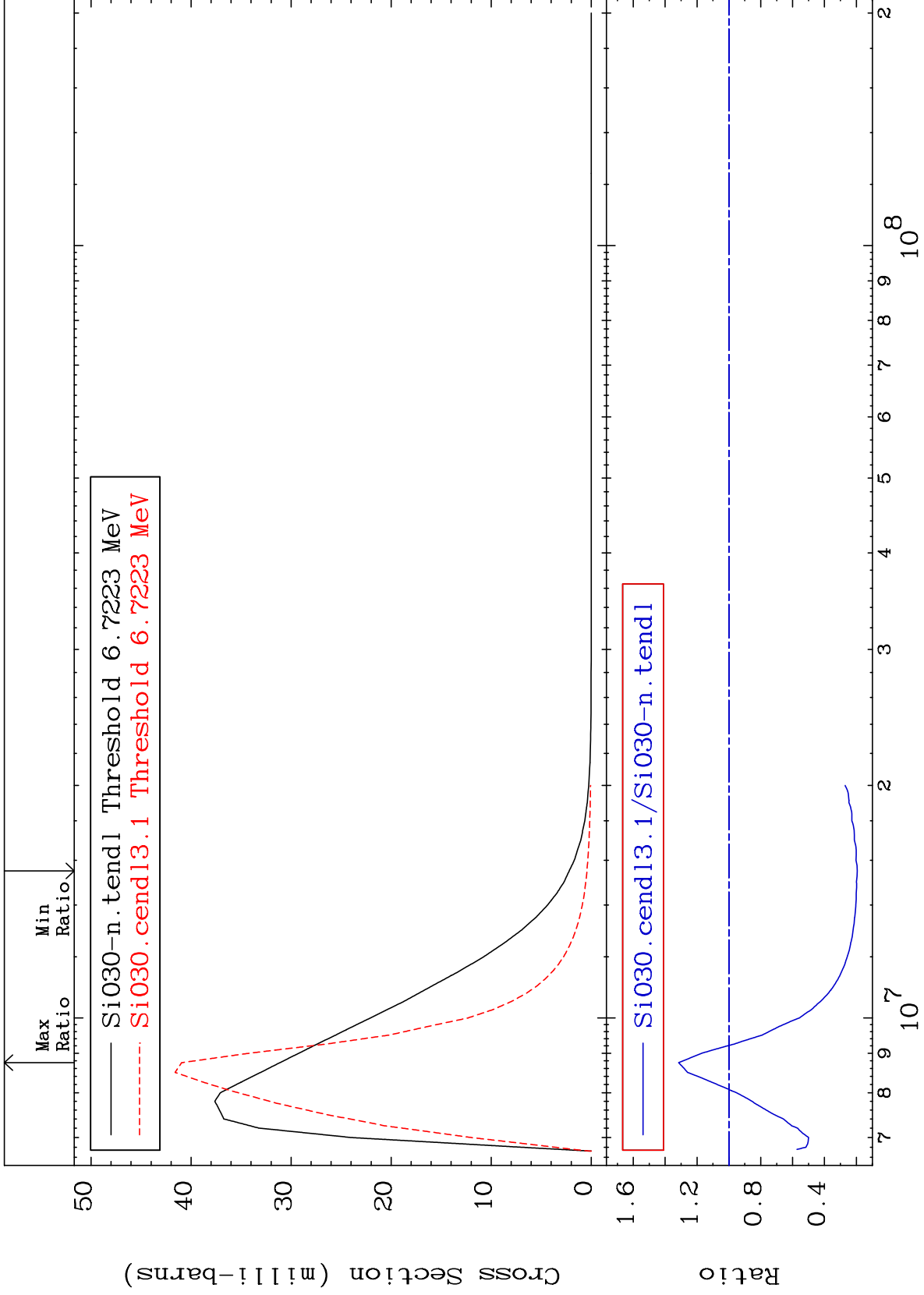
Incident Energy (eV)

14-Si-30

MAT 1431

6.503 MeV (n,n') Level
Cross Section

14-Si-30
-80.58 To 31.54 %



20

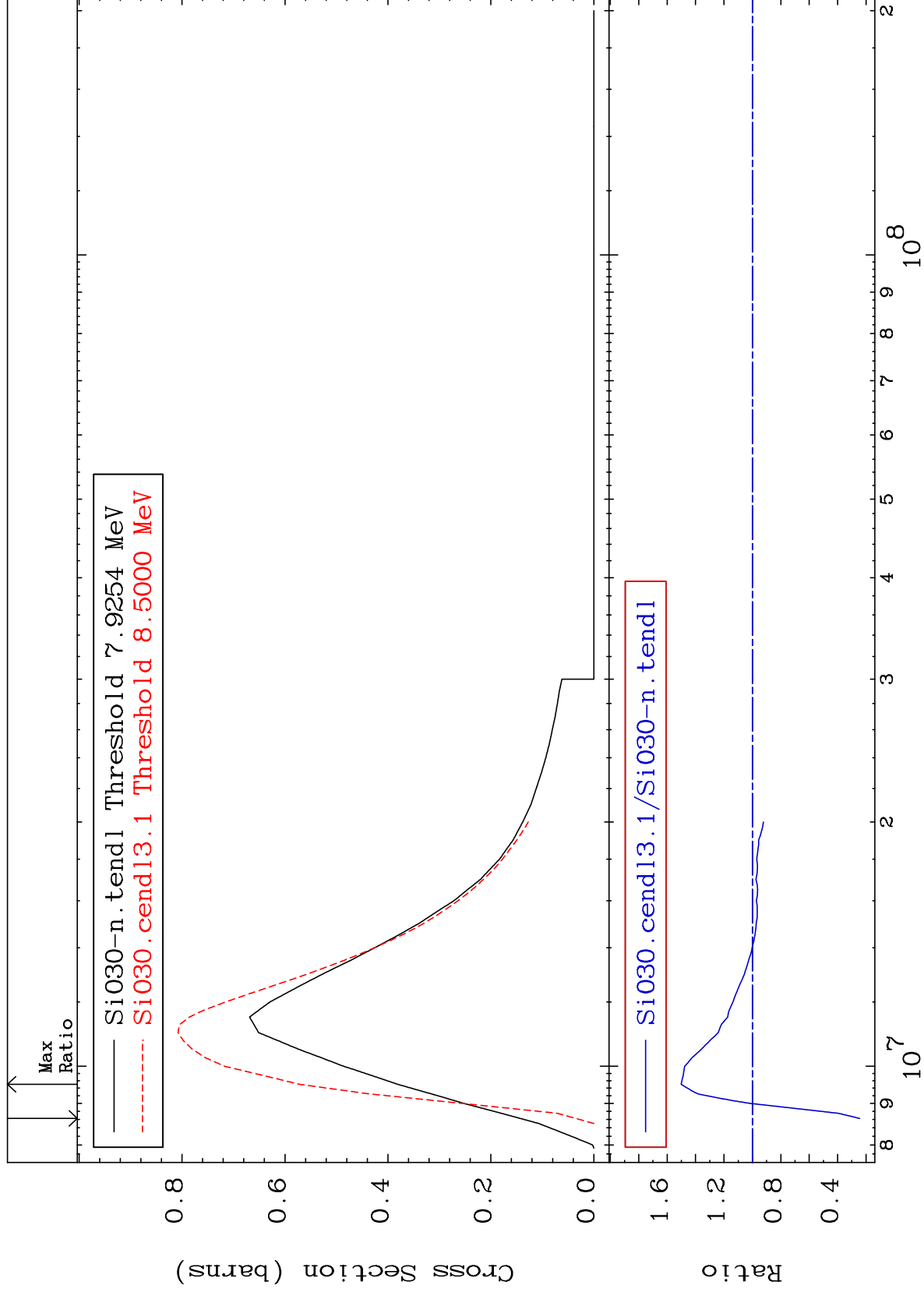
Incident Energy (eV)

14-Si-30

MAT 1431

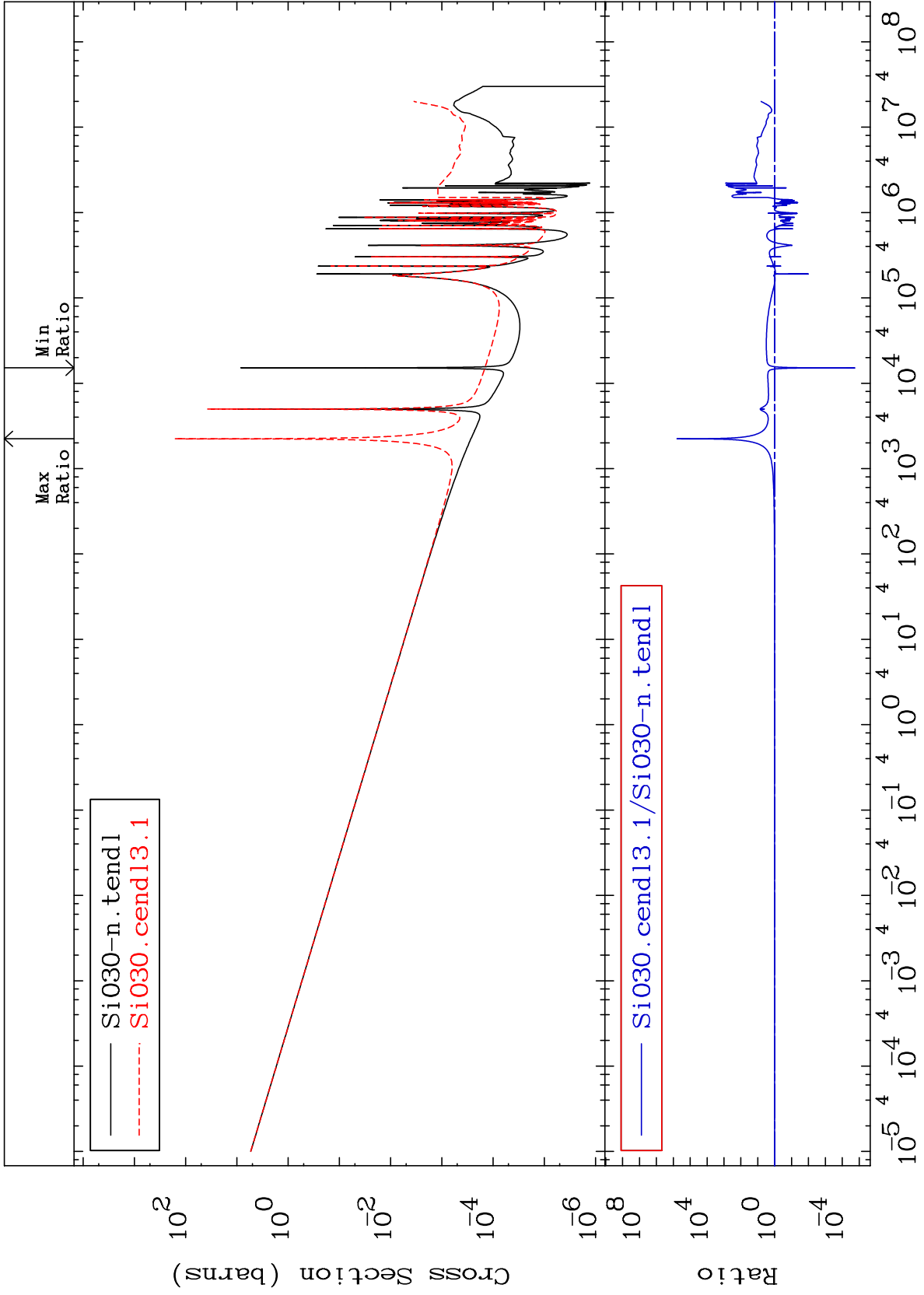
(n, n') Continuum
Cross Section

14-Si-30
-75.49 To 50.12 %



MAT 1431

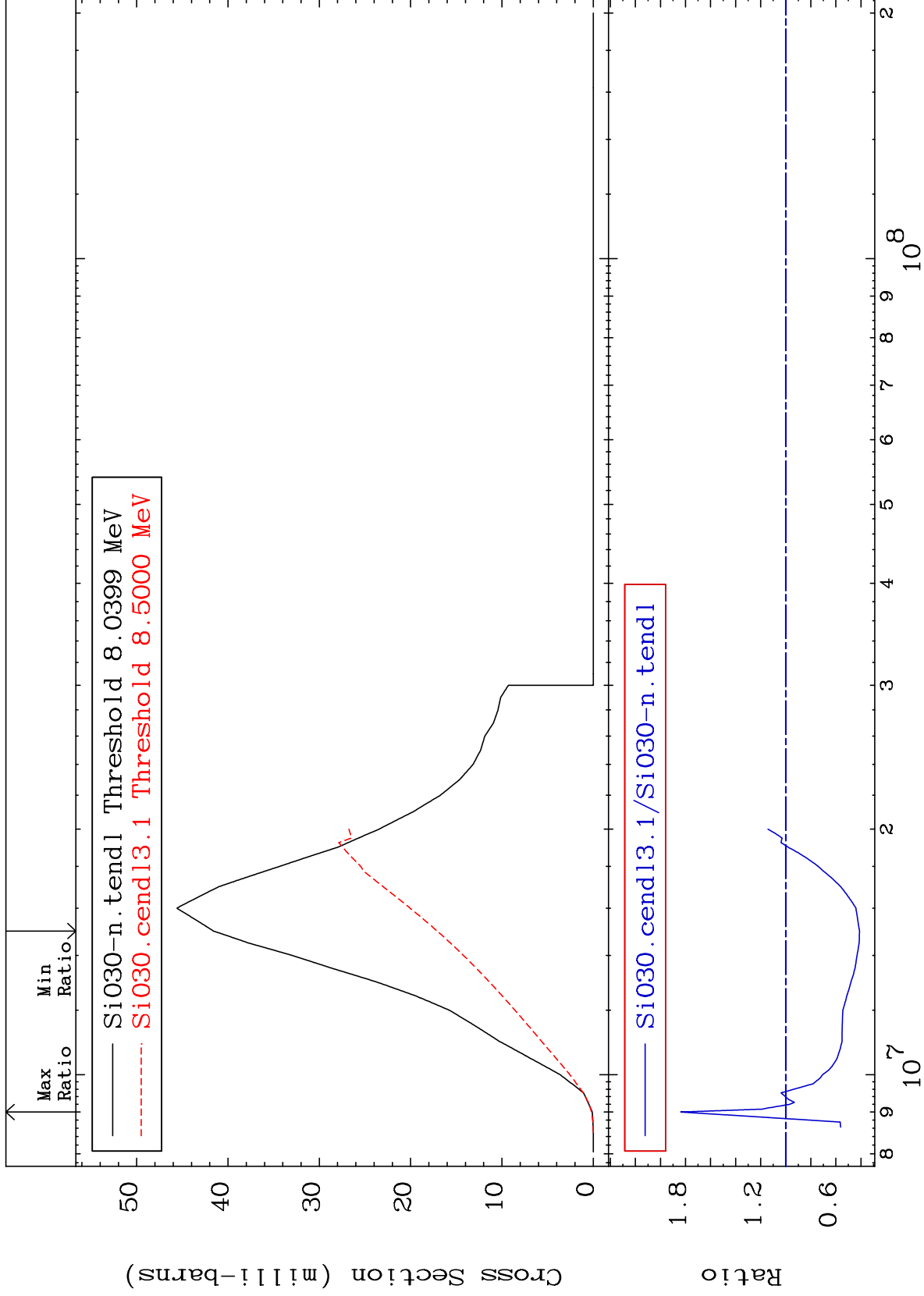
(n, γ)
Cross Section
14-Si-30
-100.0 To 9999. %



MAT 1431

(n,p)
Cross Section

$^{14}\text{Si-30}$
-58.90 To 83.80 %



23

$^{14}\text{Si-30}$

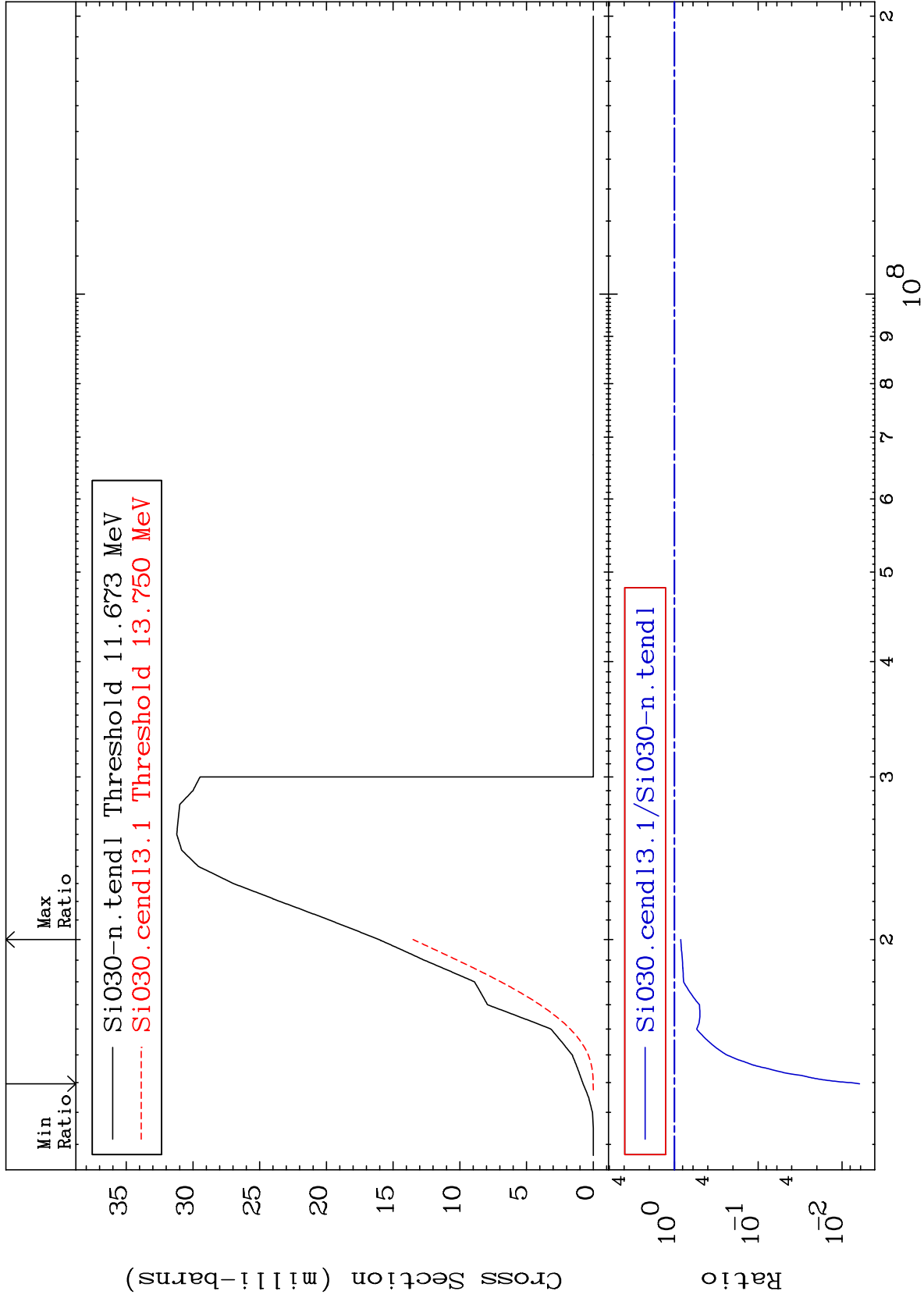
MAT 1431

(n, d)

14-Si-30

Cross Section

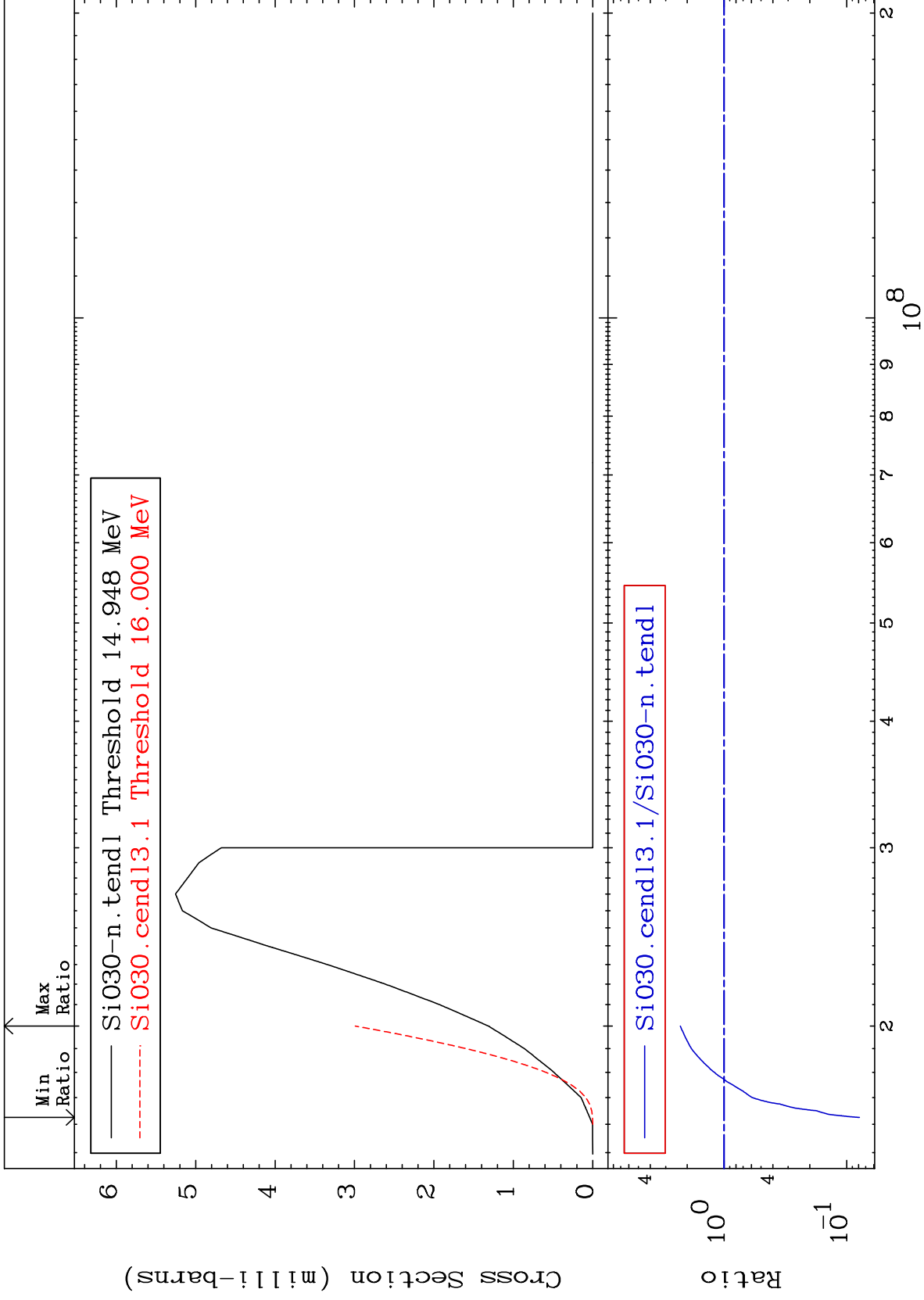
-99.38 To -15.92%



MAT 1431

(n, t)
Cross Section

14-Si-30
-92.13 To 127.7 %



25

14-Si-30

Incident Energy (eV)

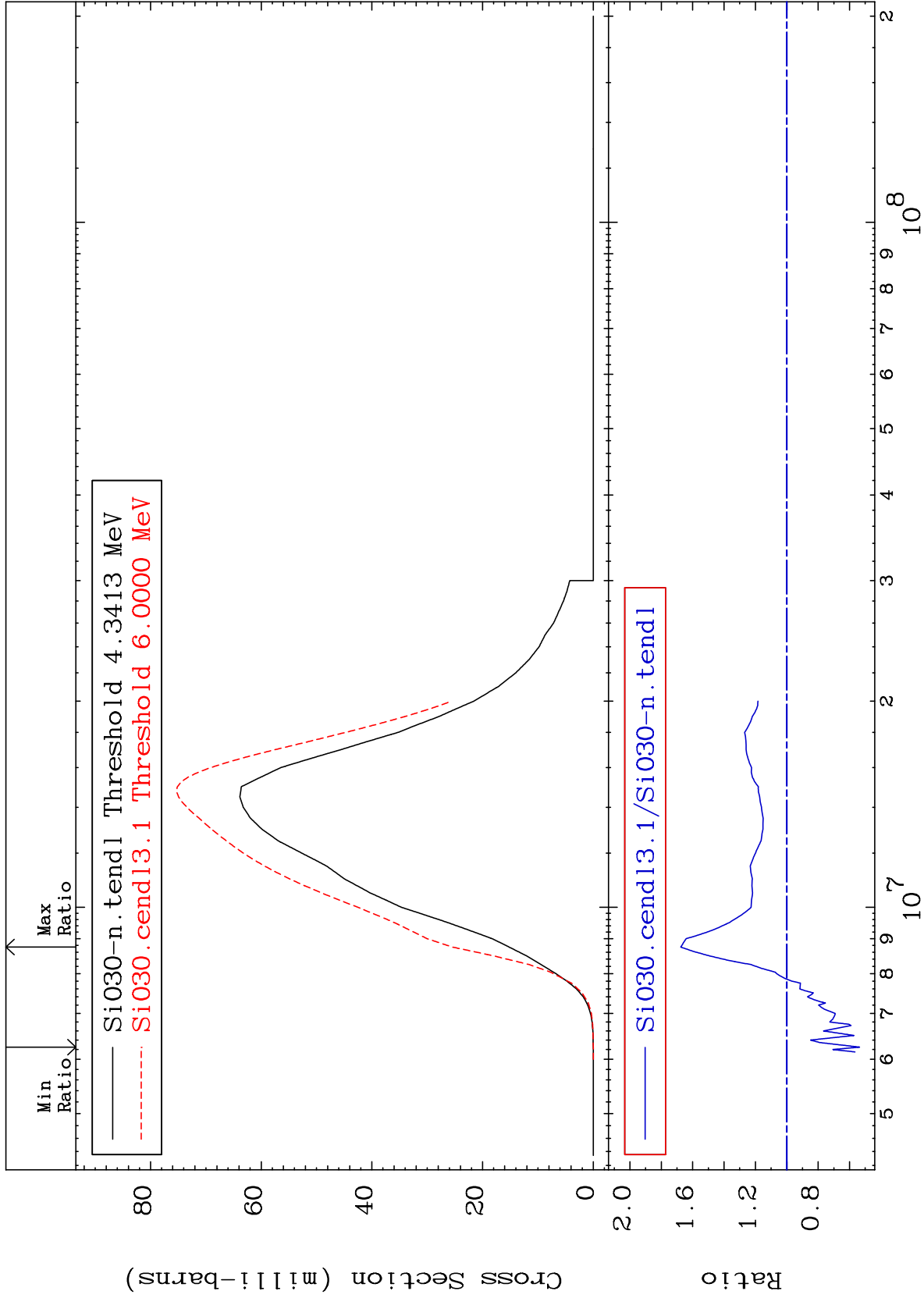
MAT 1431

(n, α)

14-Si-30

Cross Section

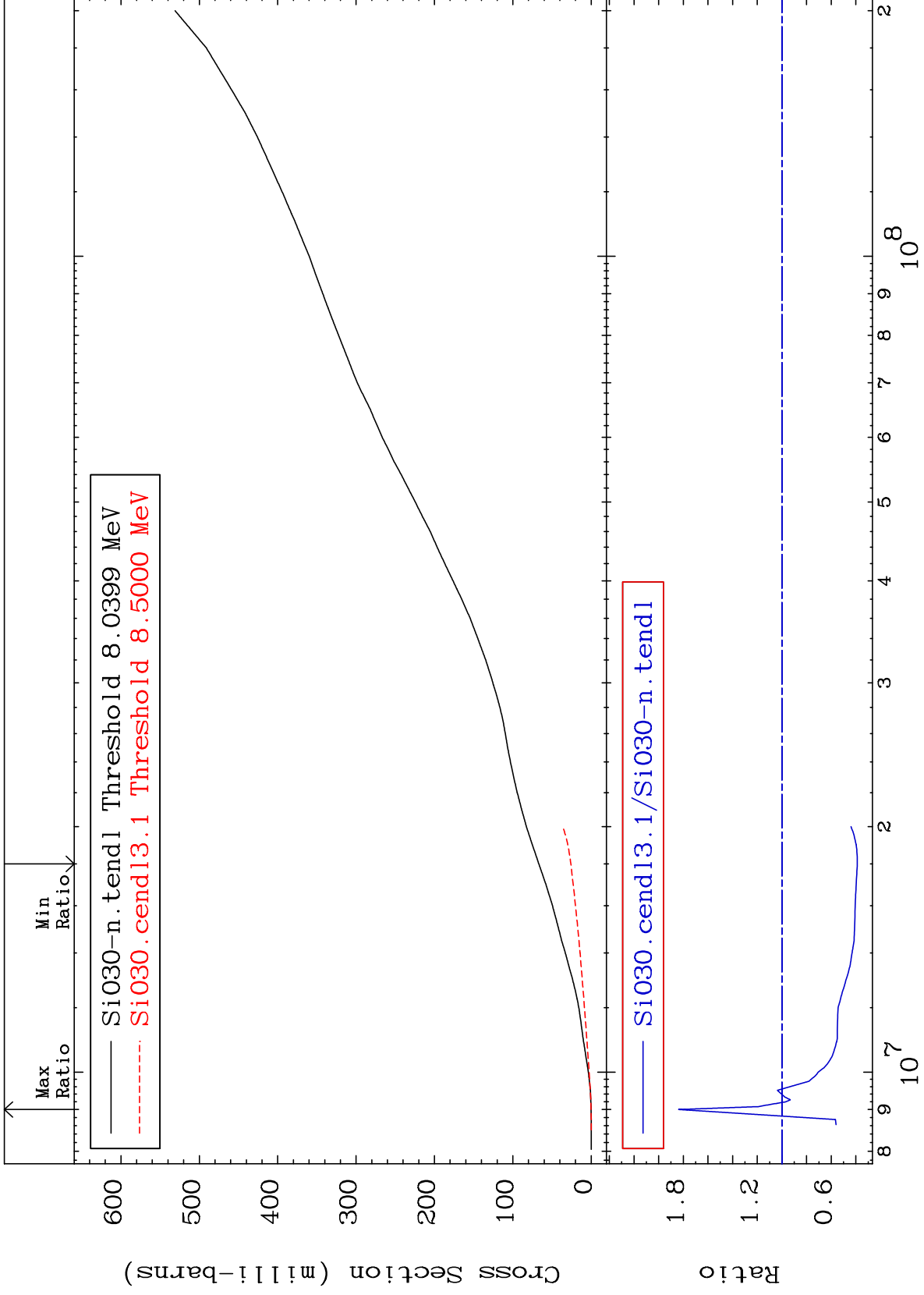
-46.39 To 67.59 %



MAT 1431

Hydrogen Production
Cross Section

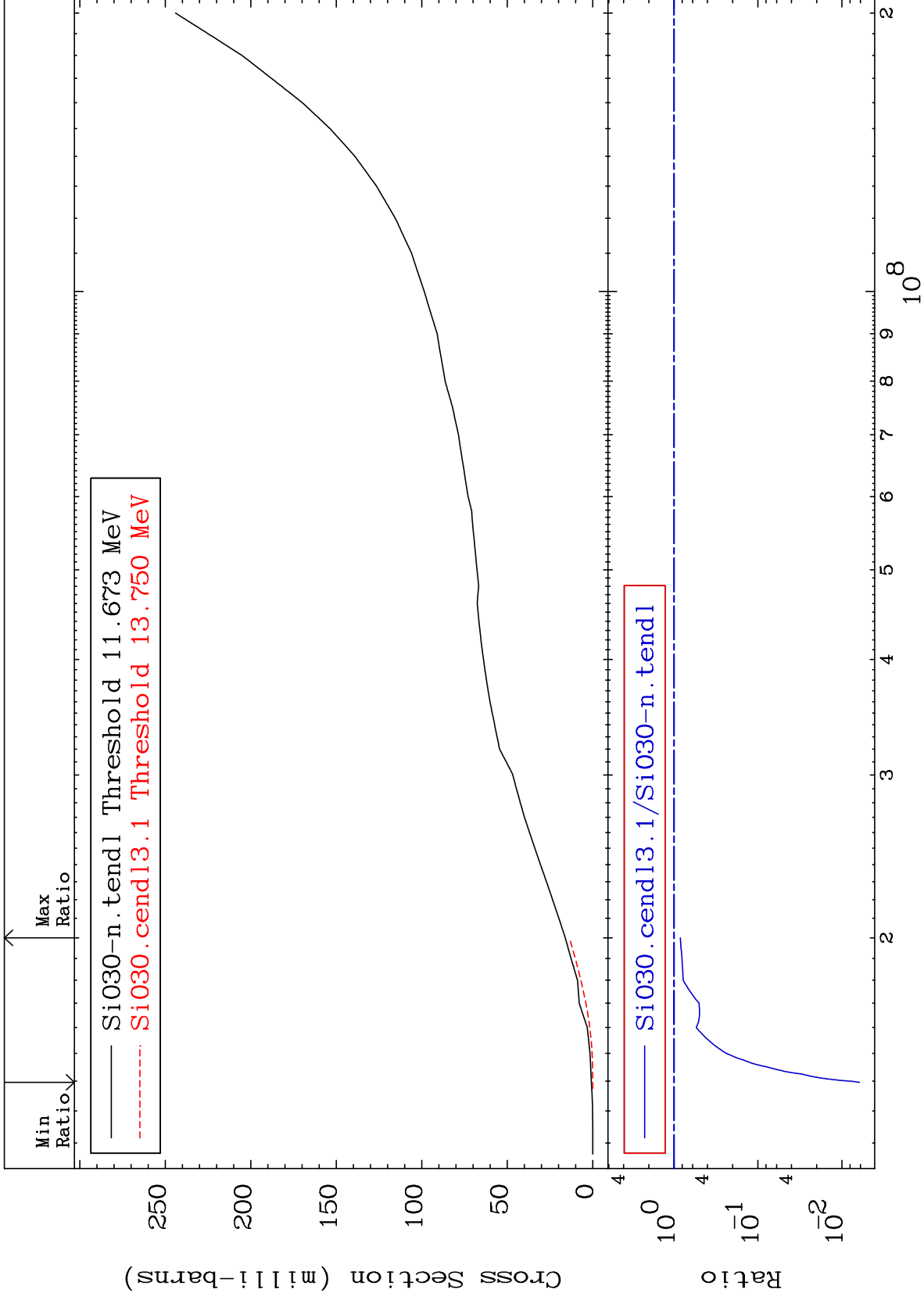
¹⁴Si-30
-61.13 To 83.80 %

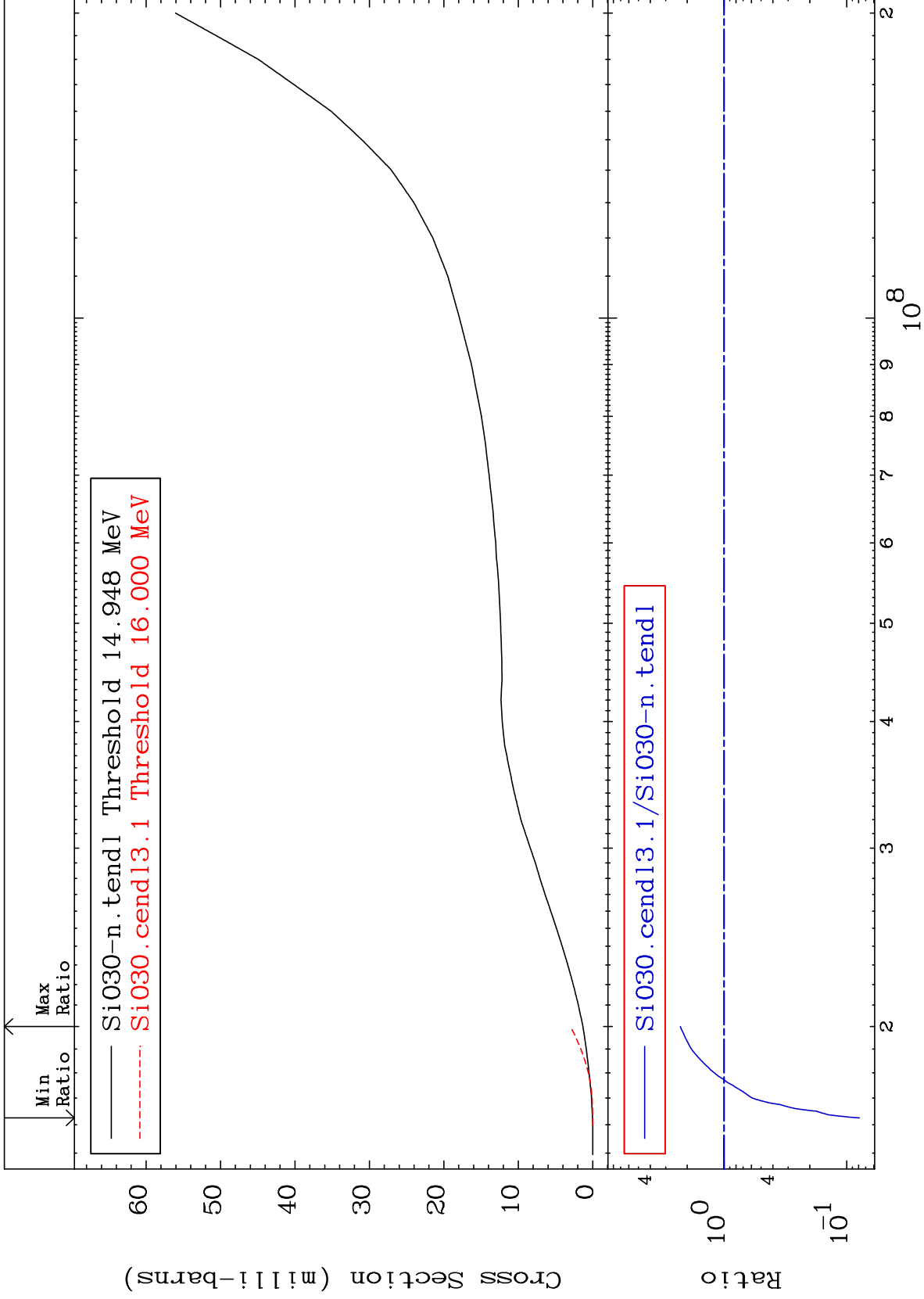


27

Incident Energy (eV)

¹⁴Si-30

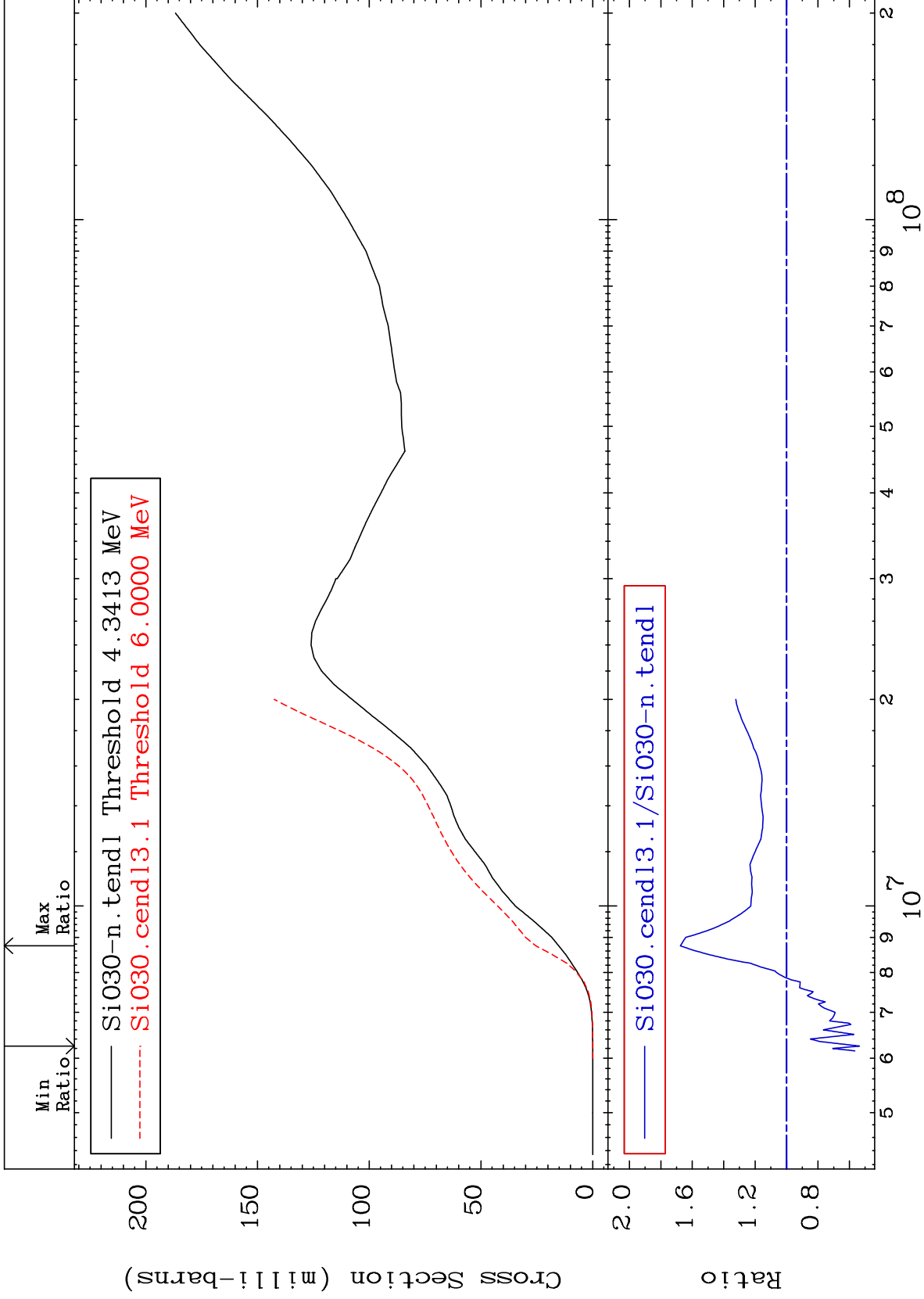




MAT 1431

He-4 Production
Cross Section

14-Si-30
-46.39 To 67.59 %



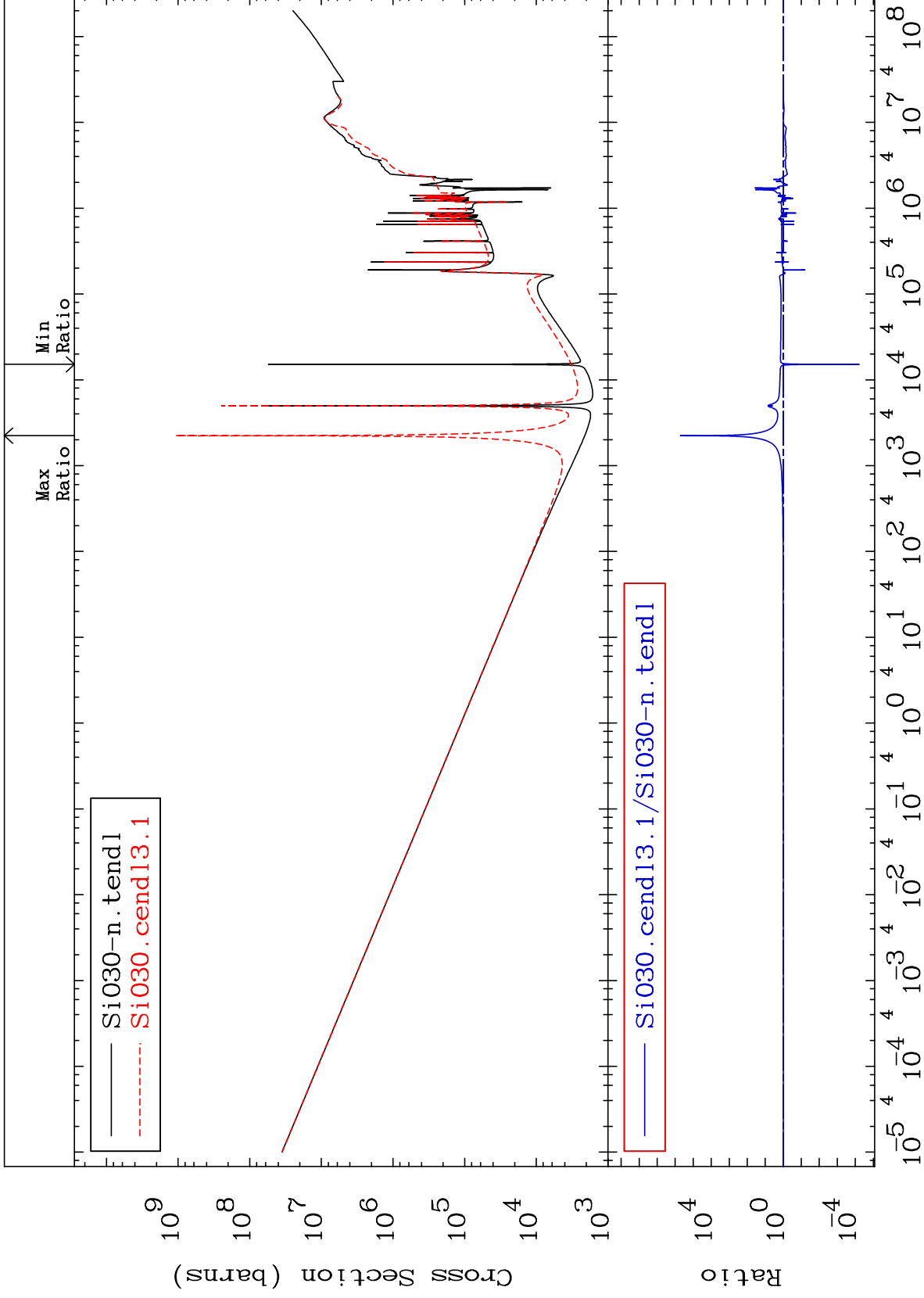
30

Incident Energy (eV)

14-Si-30

Cross Section

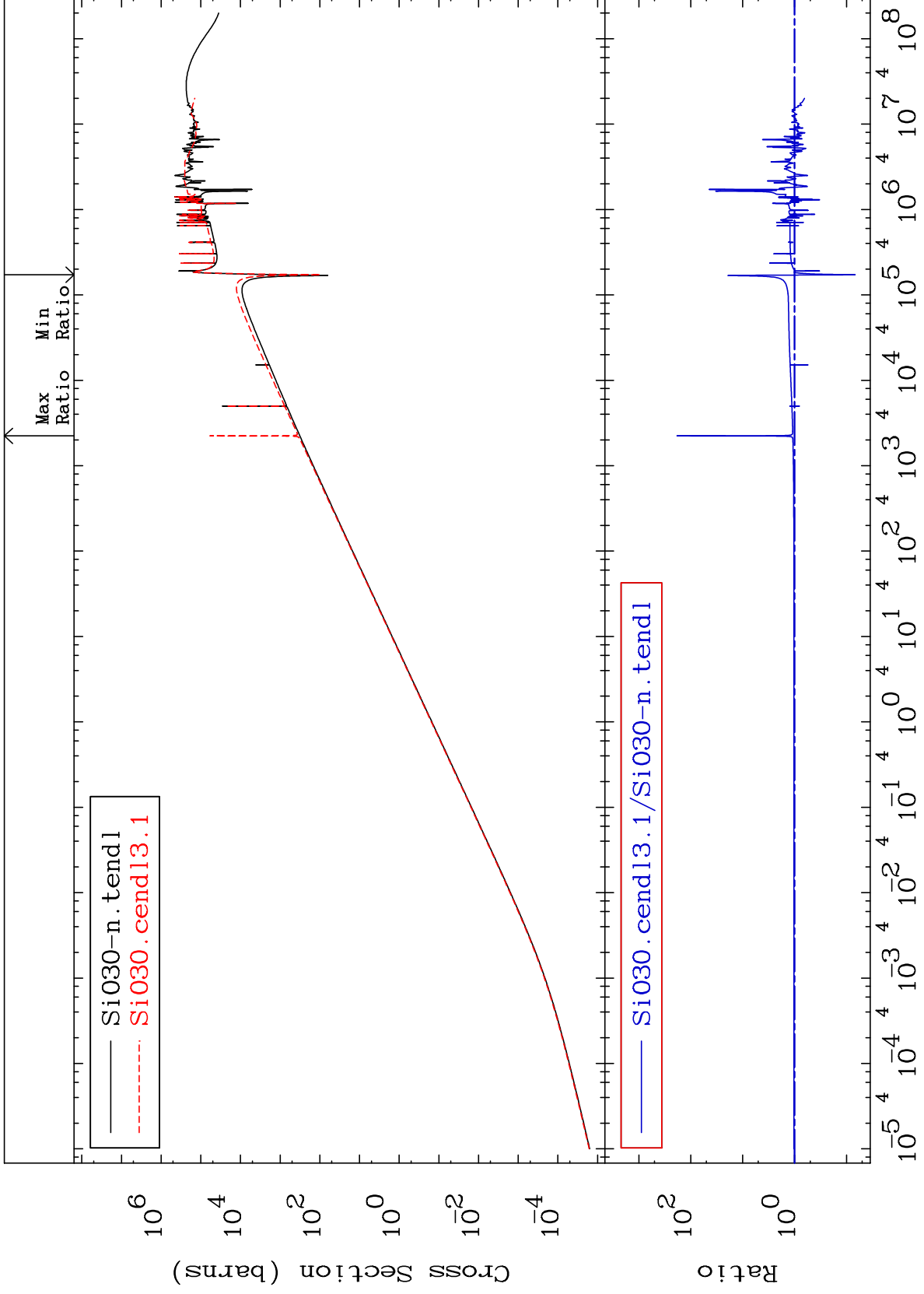
-99.99 To 9999. %

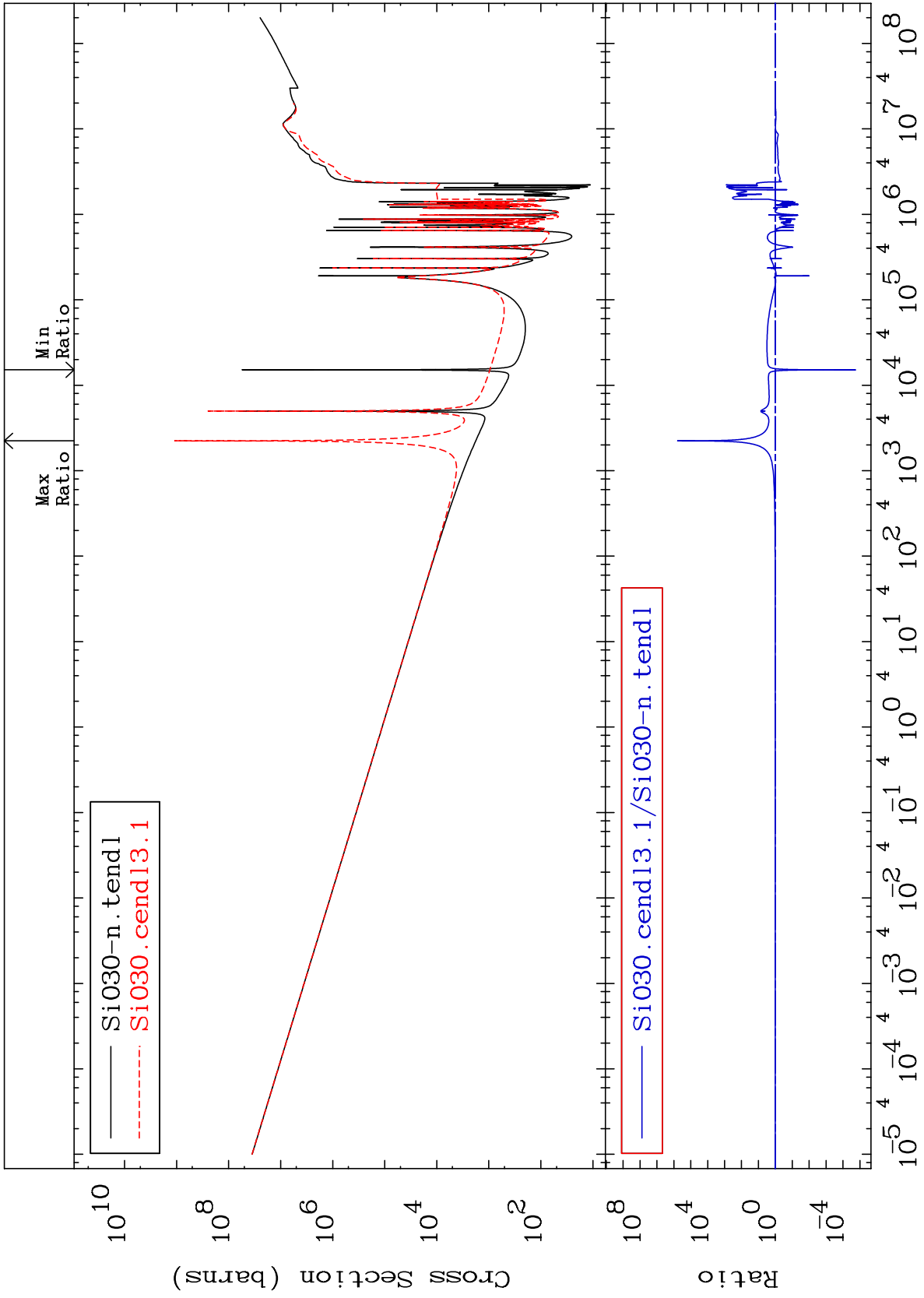


MAT 1431

Kerma elastic
Cross Section

14-Si-30
-93.16 To 9999. %

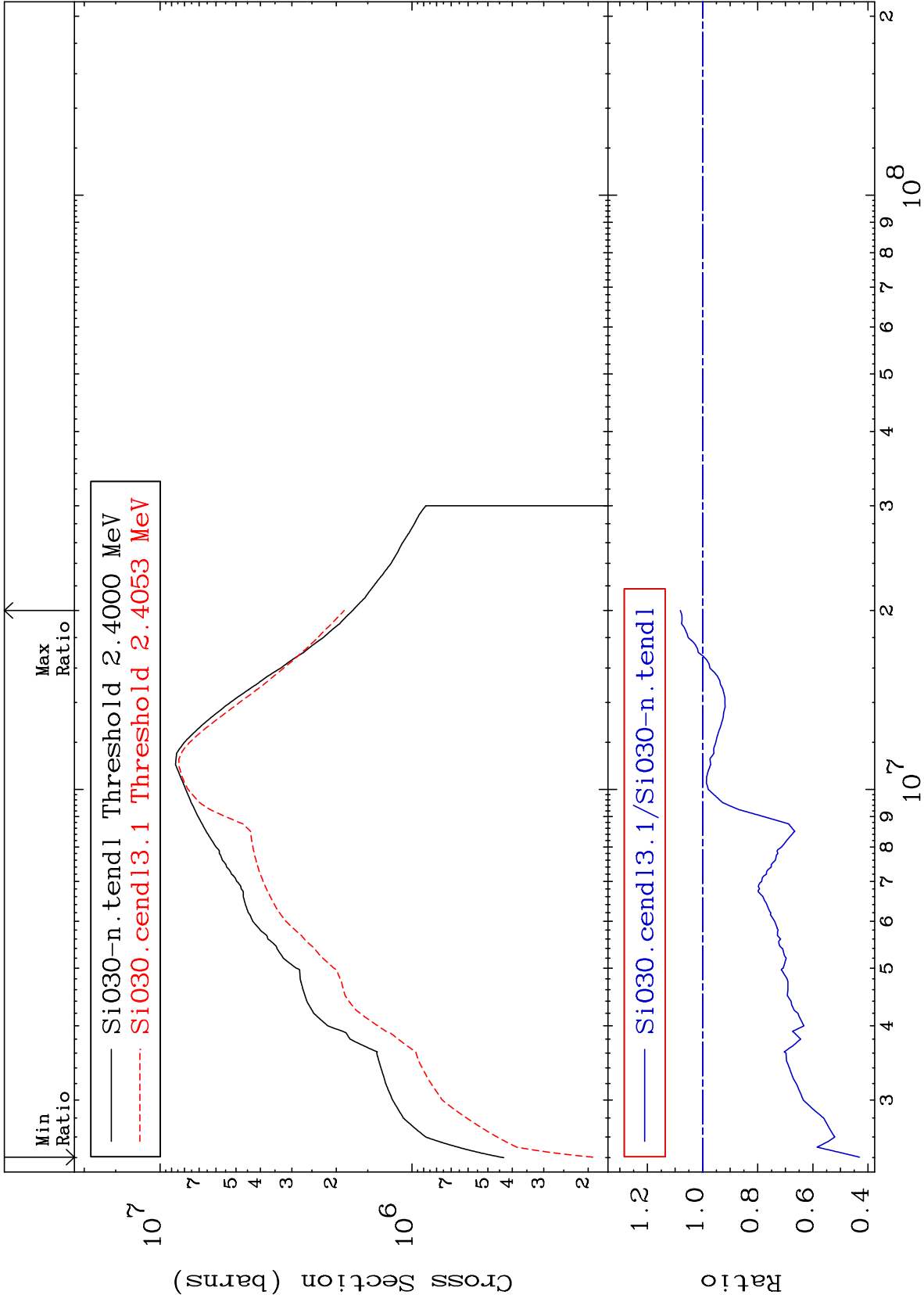




MAT 1431

Kerma inelastic (mt51-91)
Cross Section

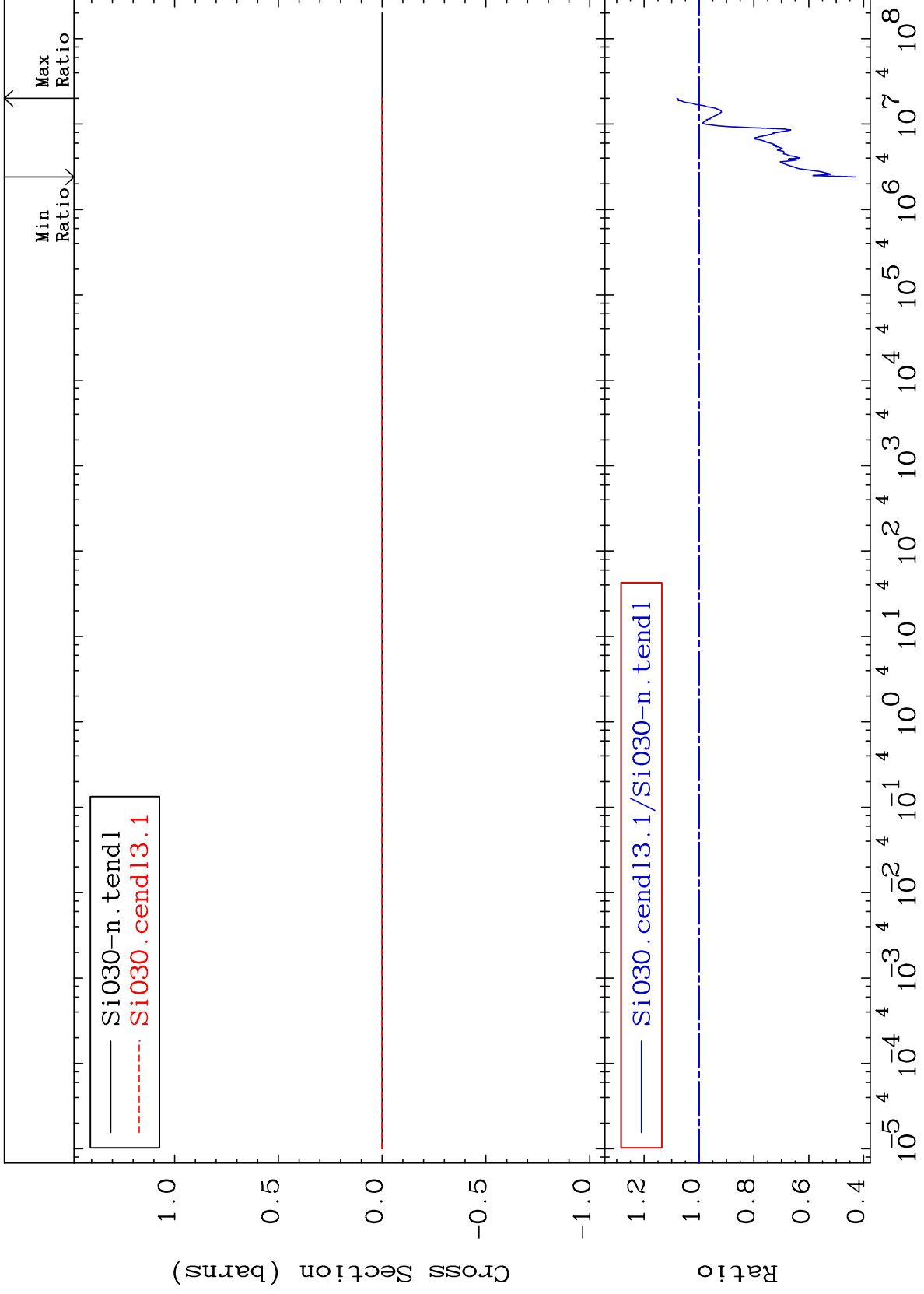
14-Si-30
-56.86 To 8.074 %



MAT 1431

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

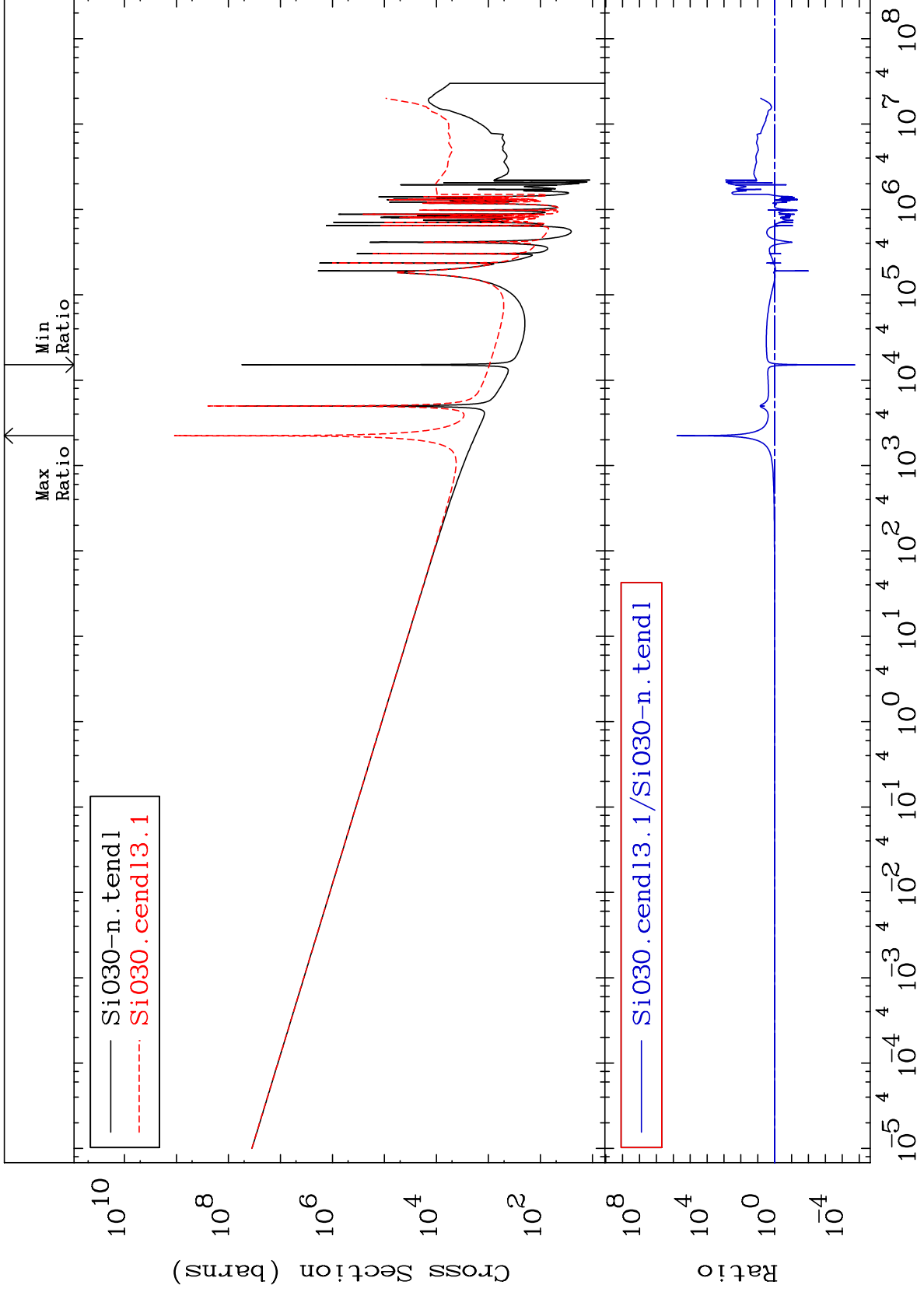
14-Si-30
-56.86 To 8.074 %



MAT 1431

Kerma capture (mt102)
Cross Section

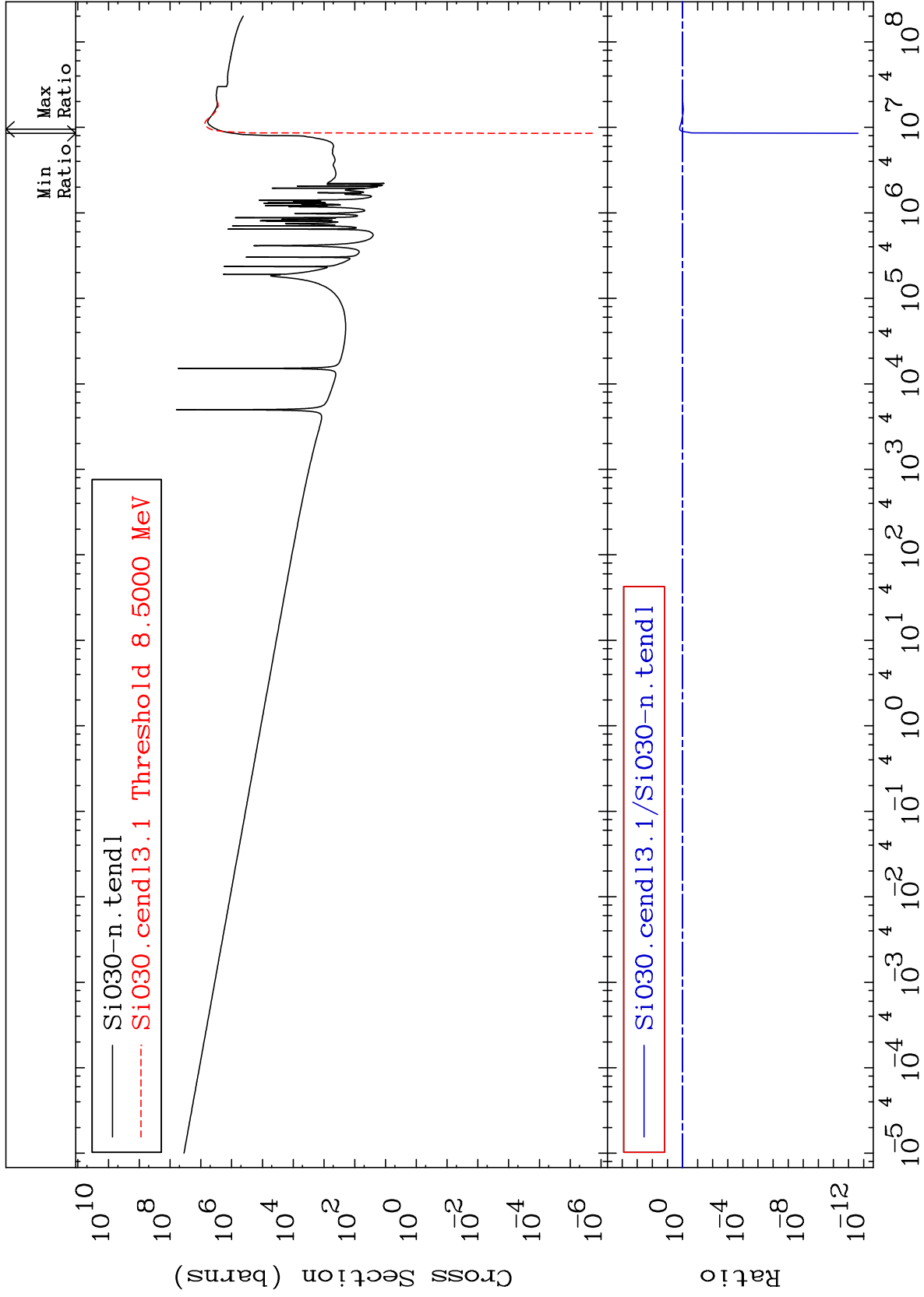
14-Si-30
-100.0 To 9999. %



MAT 1431

Total photon (eV-barns)
Cross Section

14-Si-30
-100.0 To 55.63 %



37

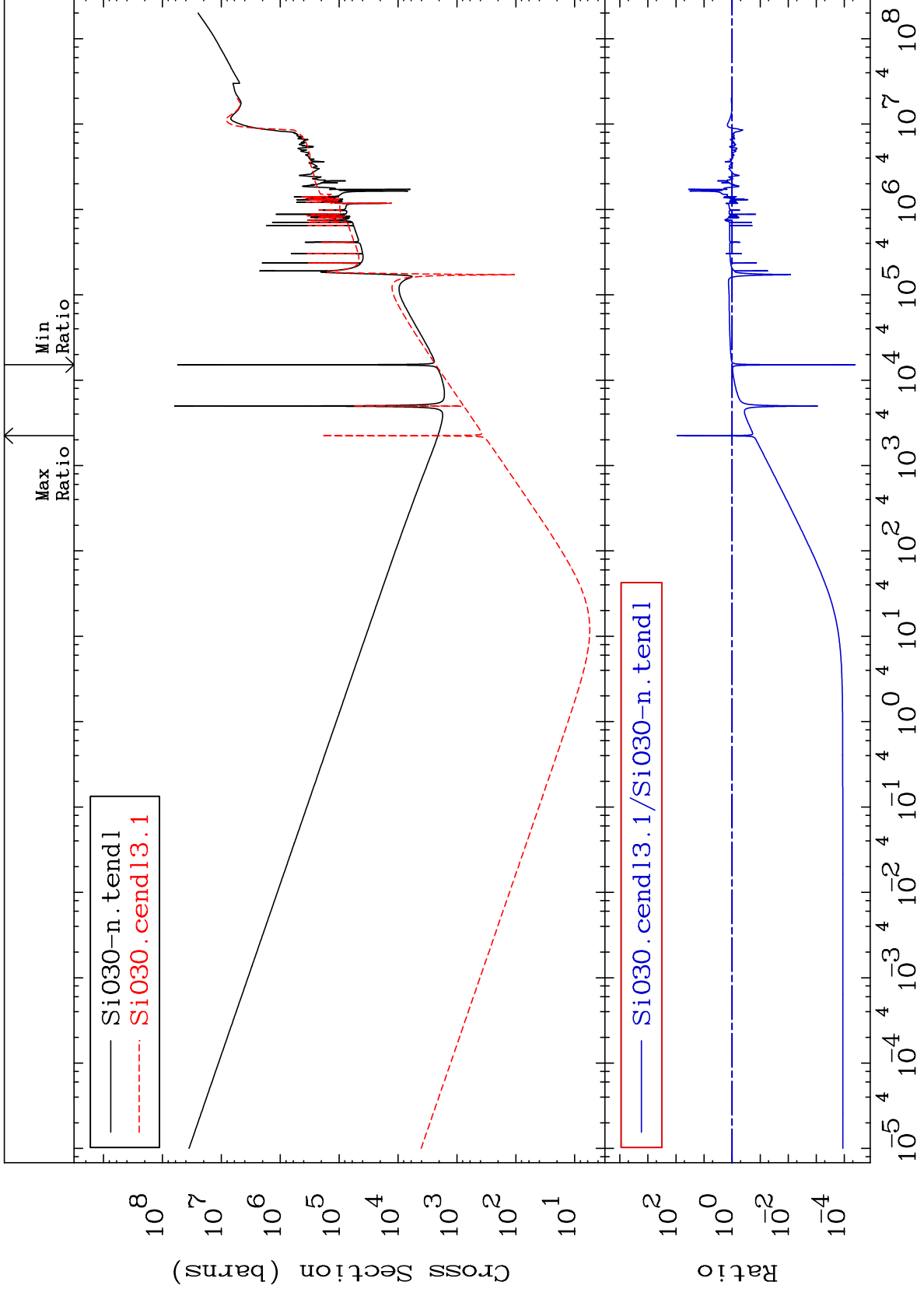
Incident Energy (eV)

14-Si-30

MAT 1431

Total kinematic kerma (high limit)
Cross Section

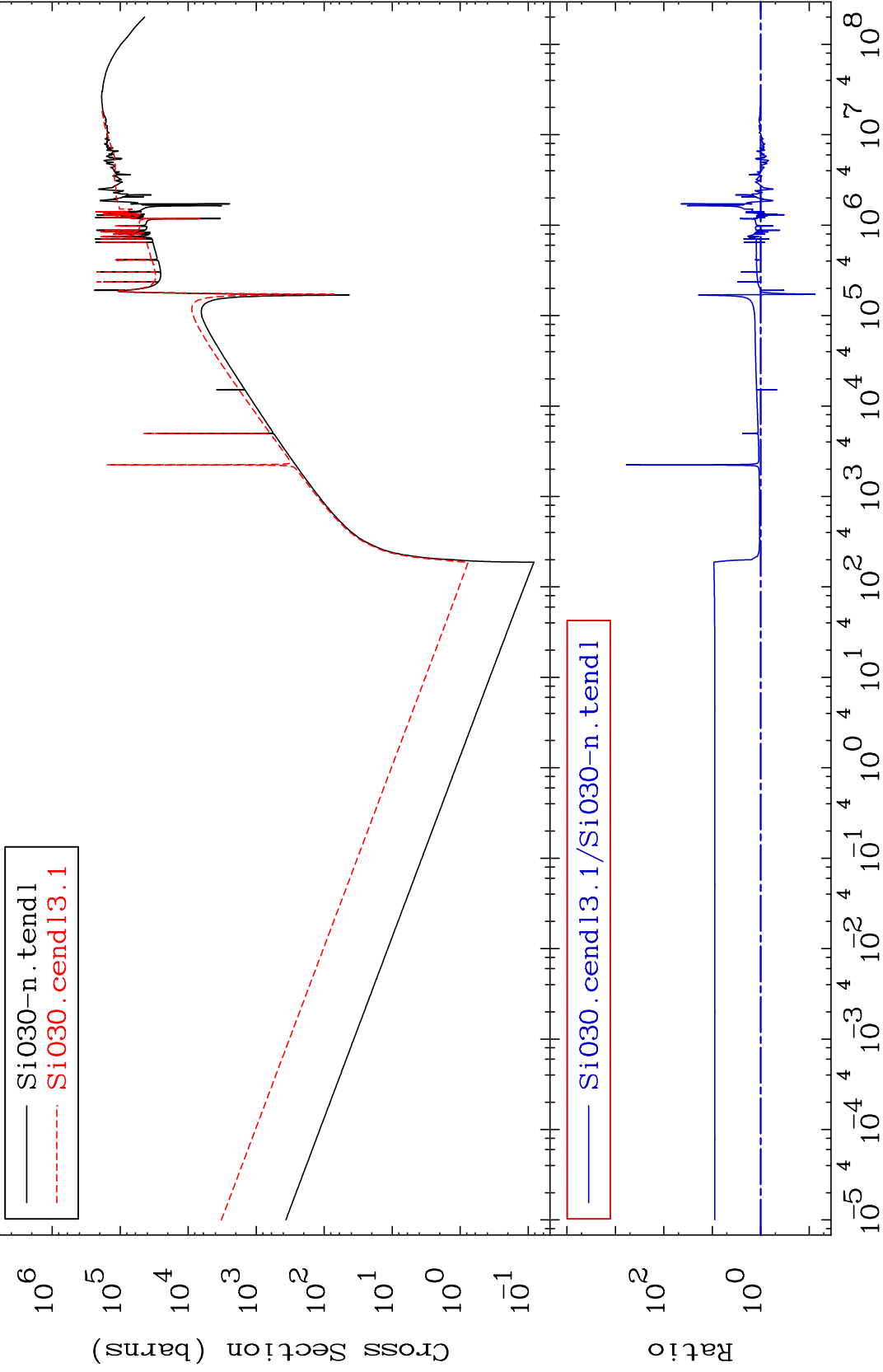
14-Si-30
-100.0 To 9161. %



MAT 1431

Dpa total (eV-barns)
Cross Section

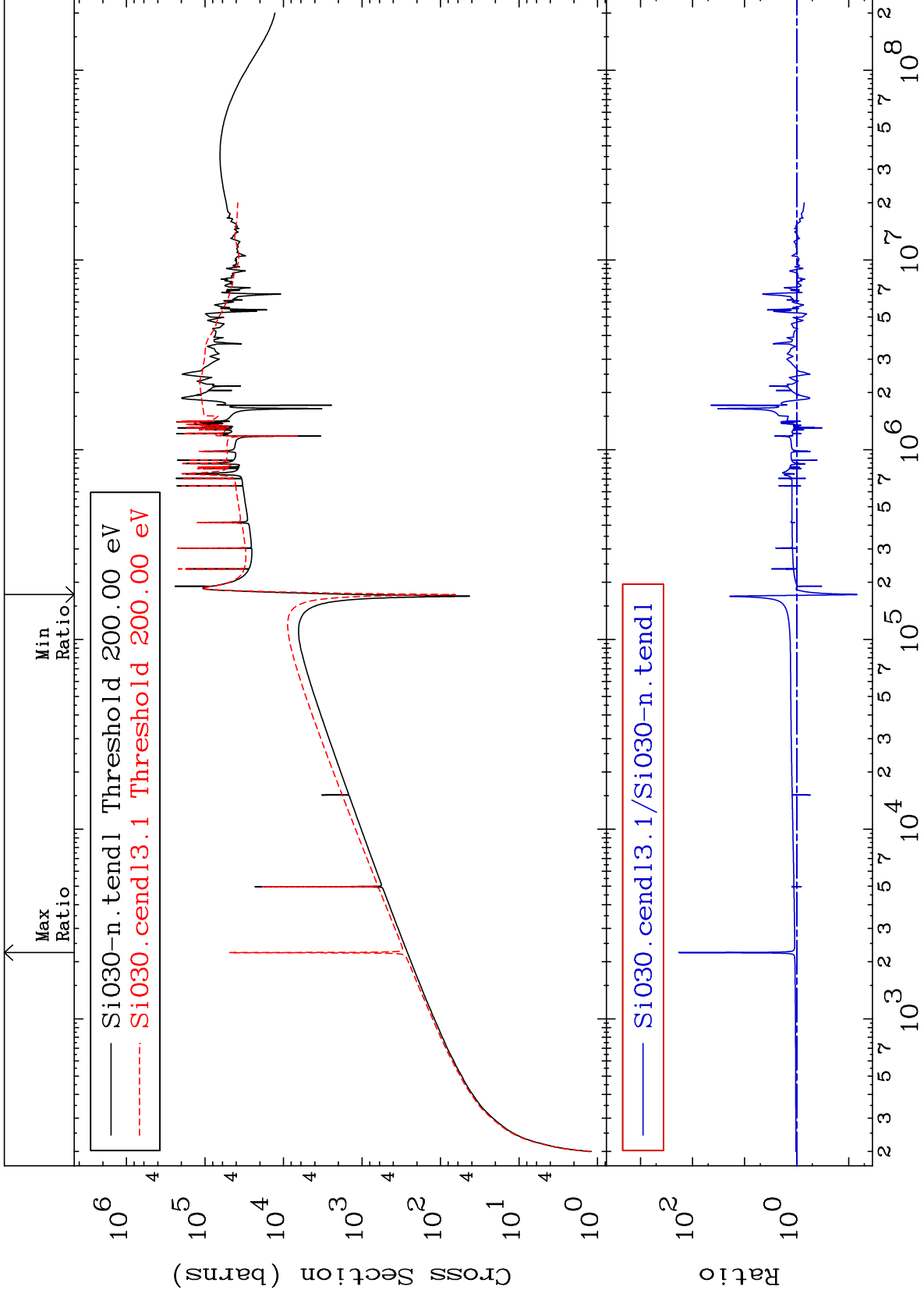
14-Si-30
-92.40 To 9999. %



MAT 1431

Dpa elastic (mt2)
Cross Section

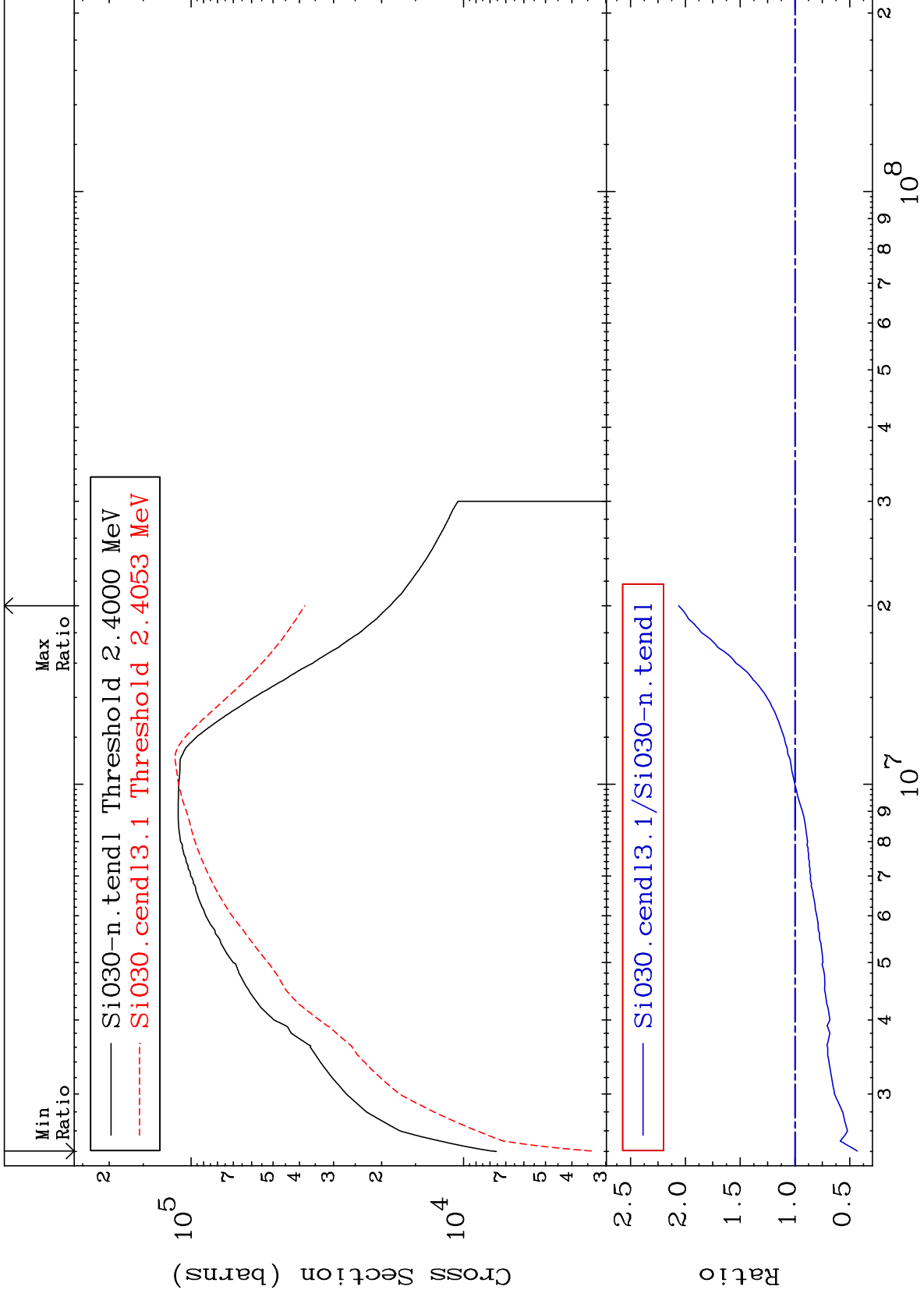
14-Si-30
-93.14 To 9999. %



MAT 1431

Dpa inelastic (mt51-91)
Cross Section

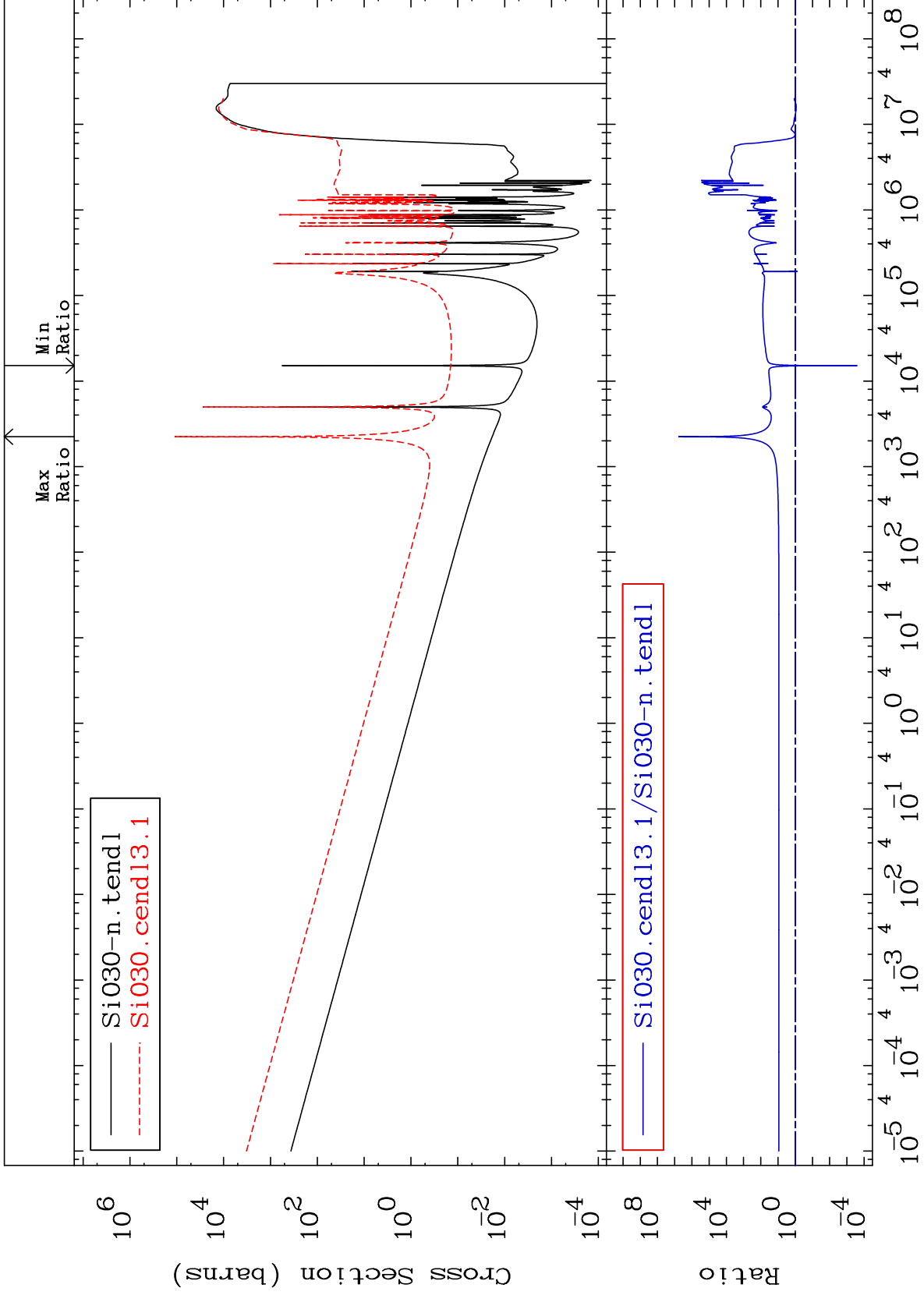
14-Si-30
-56.82 To 106.1 %



MAT 1431

Dpa disappearance (mt102 -120)
Cross Section

14-Si-30
-99.97 To 9999. %



42

Incident Energy (eV)

14-Si-30