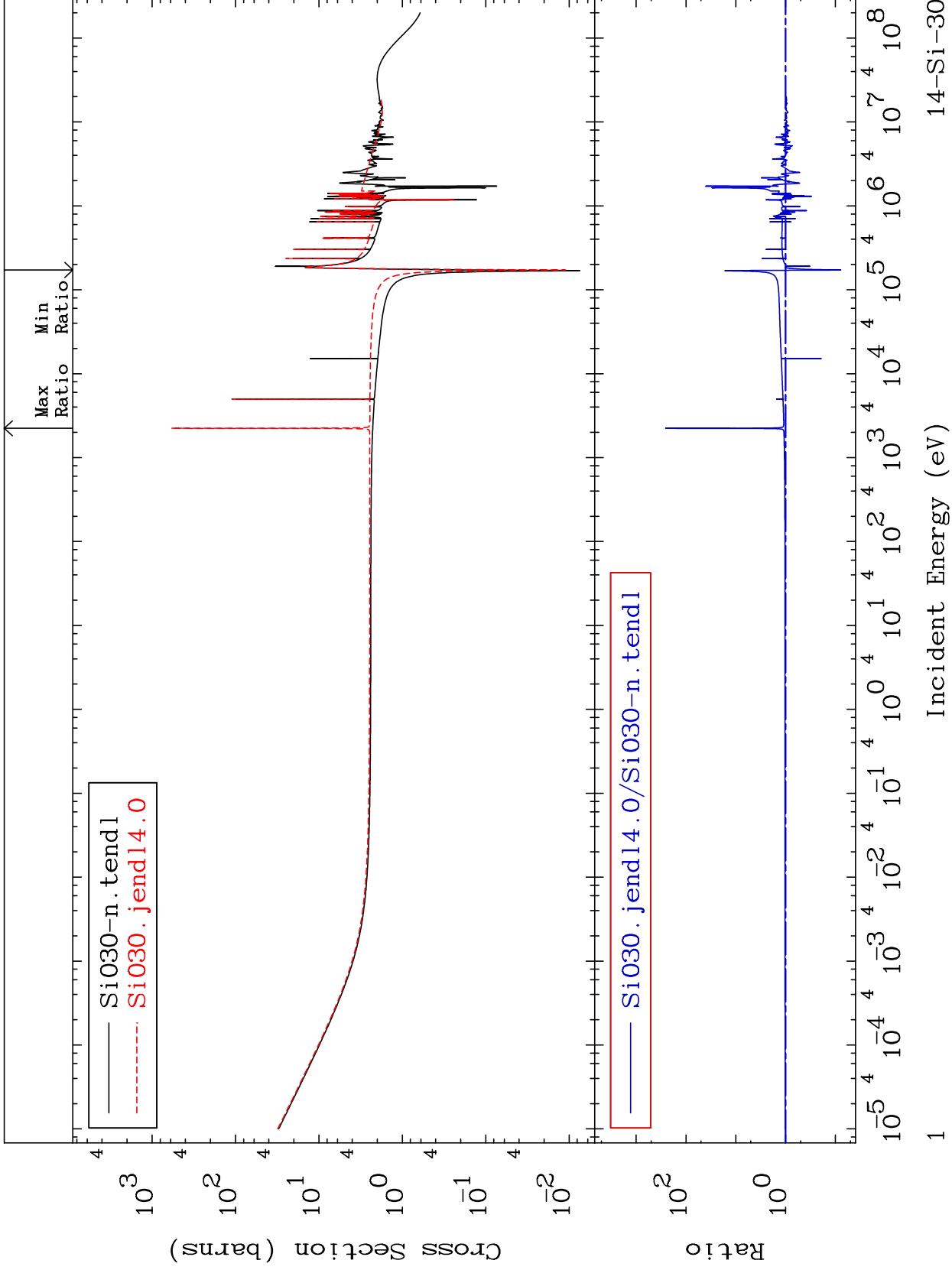


MAT 1431

Total
Cross Section

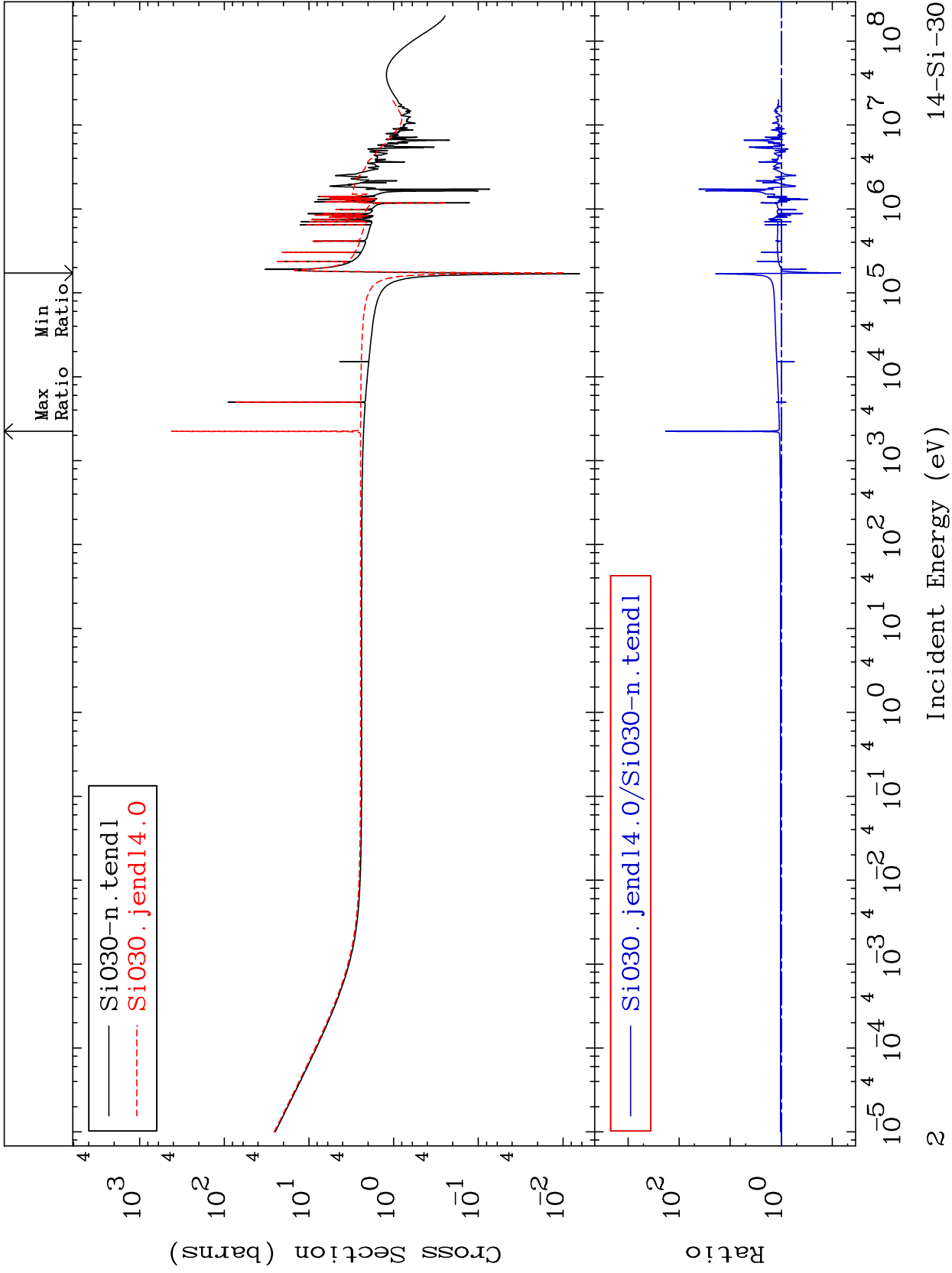
14-Si-30
-92.15 To 9999. %



MAT 1431

Elastic
Cross Section

14-Si-30
-93.15 To 9999. %

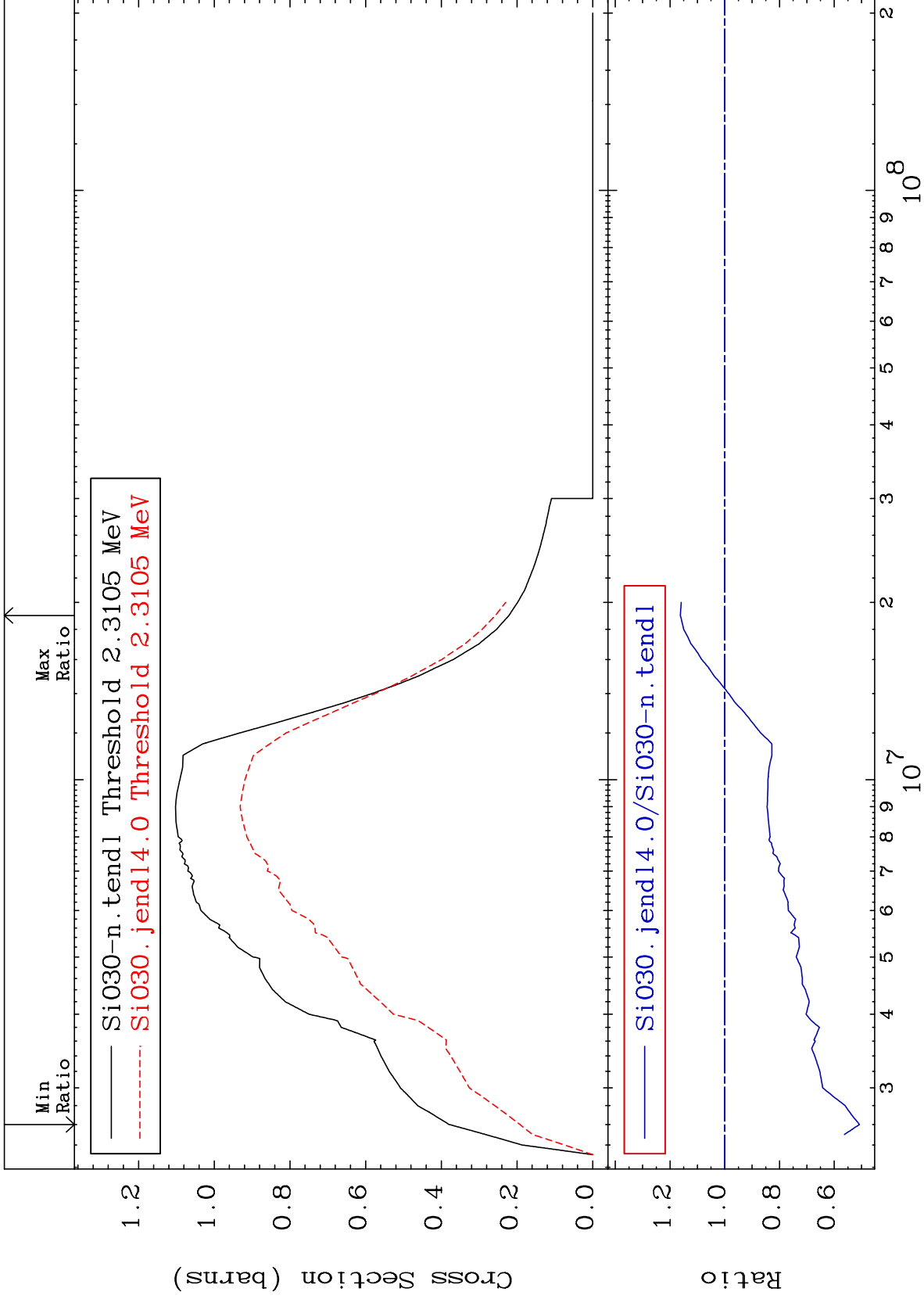


14-Si-30

MAT 1431

Inelastic
Cross Section

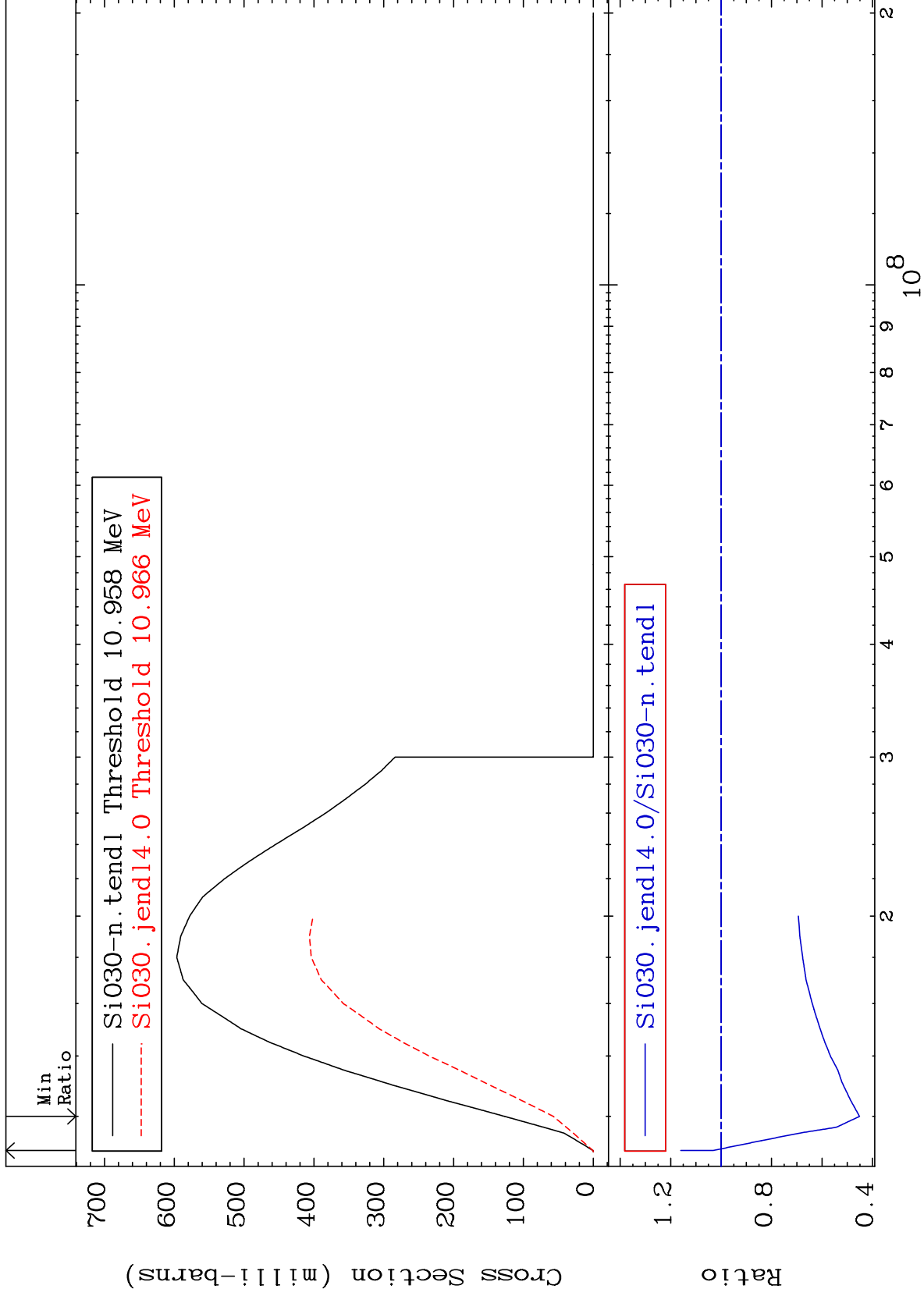
14-Si-30
-49.21 To 16.21 %



MAT 1431

(n,2n)
Cross Section

14-Si-30
-54.87 To 15.99 %



4

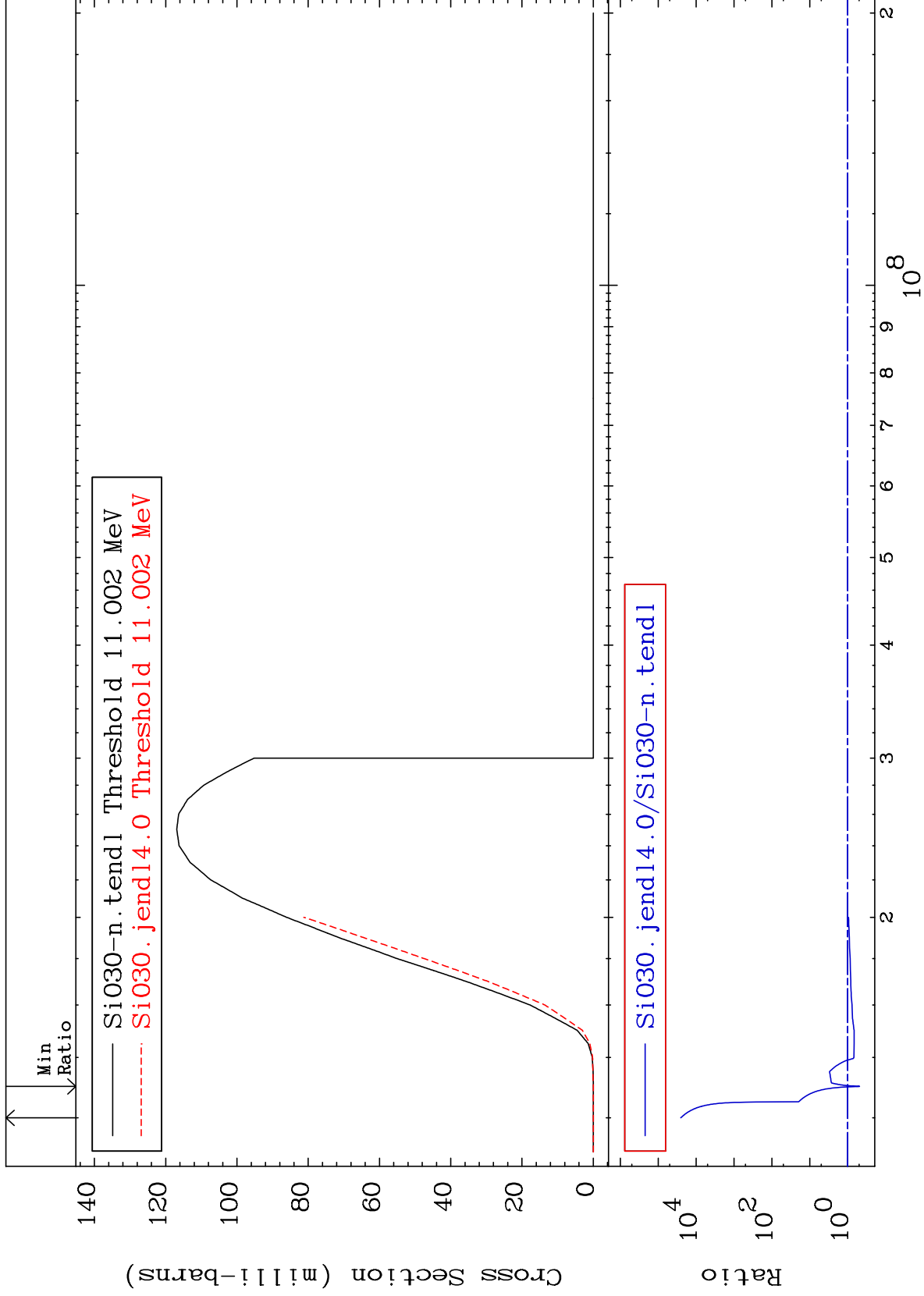
Incident Energy (eV)

14-Si-30

MAT 1431

(n,n') α
Cross Section

14-Si-30
-51.53 To 9999. %



5

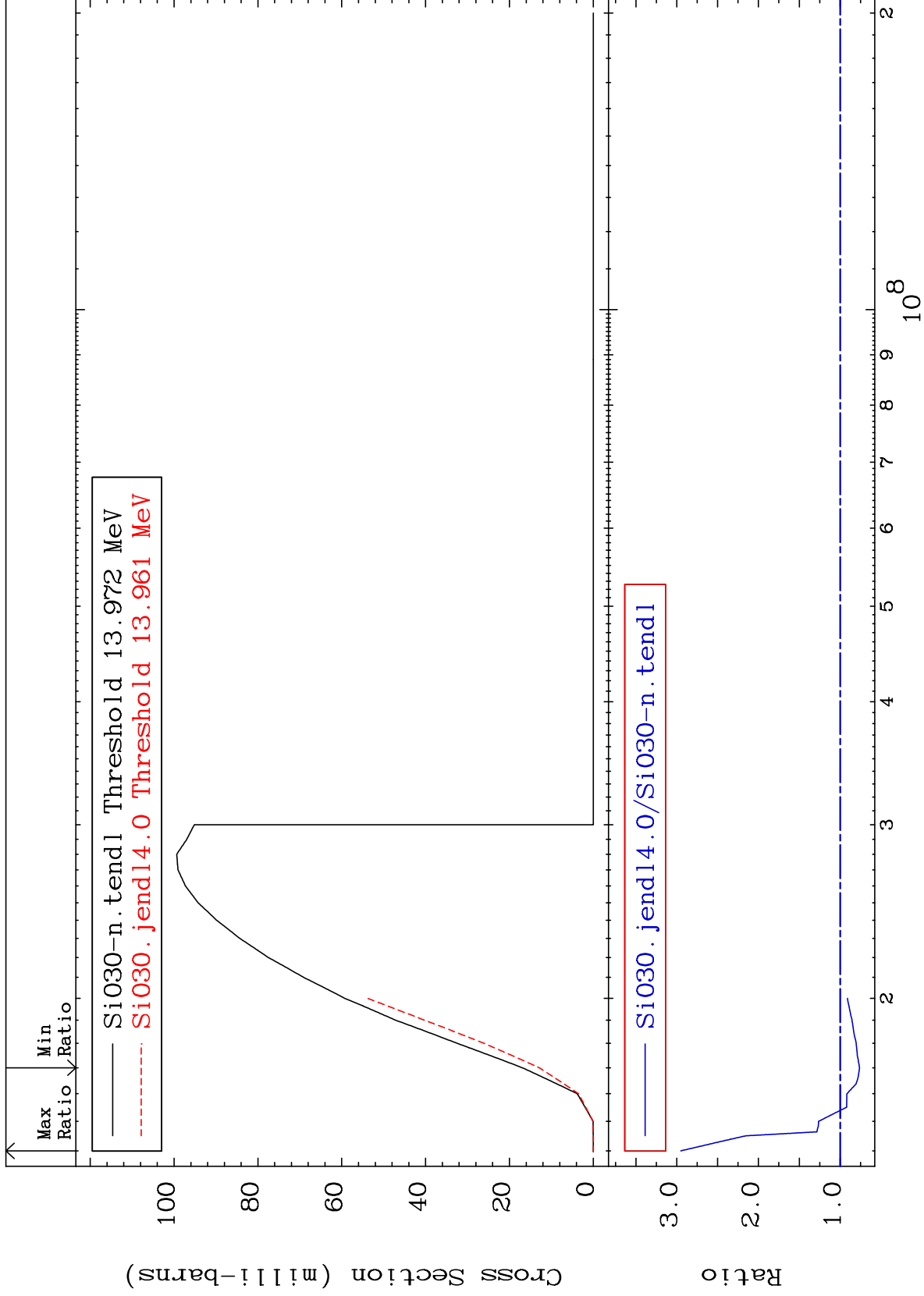
Incident Energy (eV)

14-Si-30

MAT 1431

(n,n') p
Cross Section

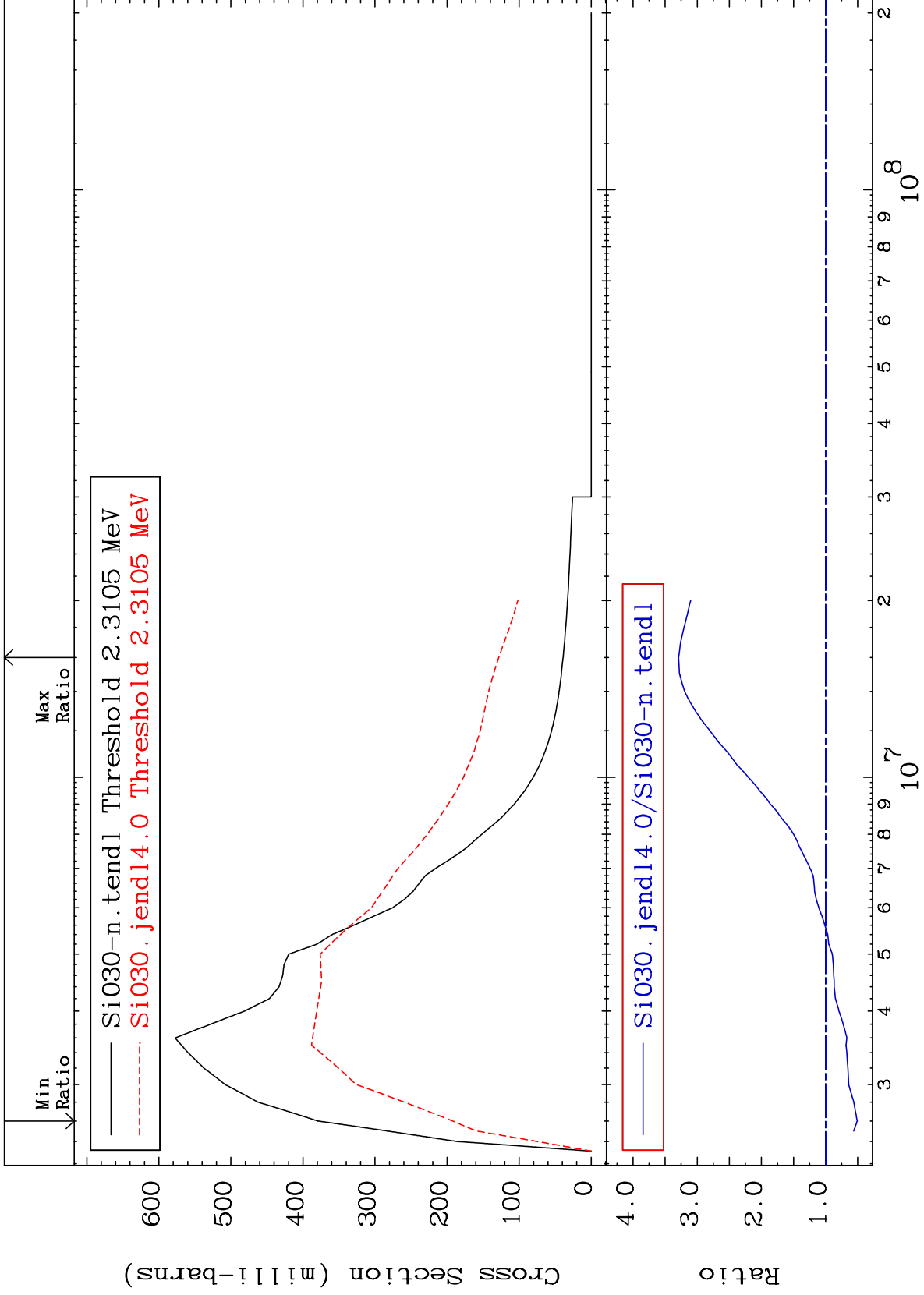
14-Si-30
-23.82 To 195.1 %



MAT 1431

2.235 MeV (n,n') Level
Cross Section

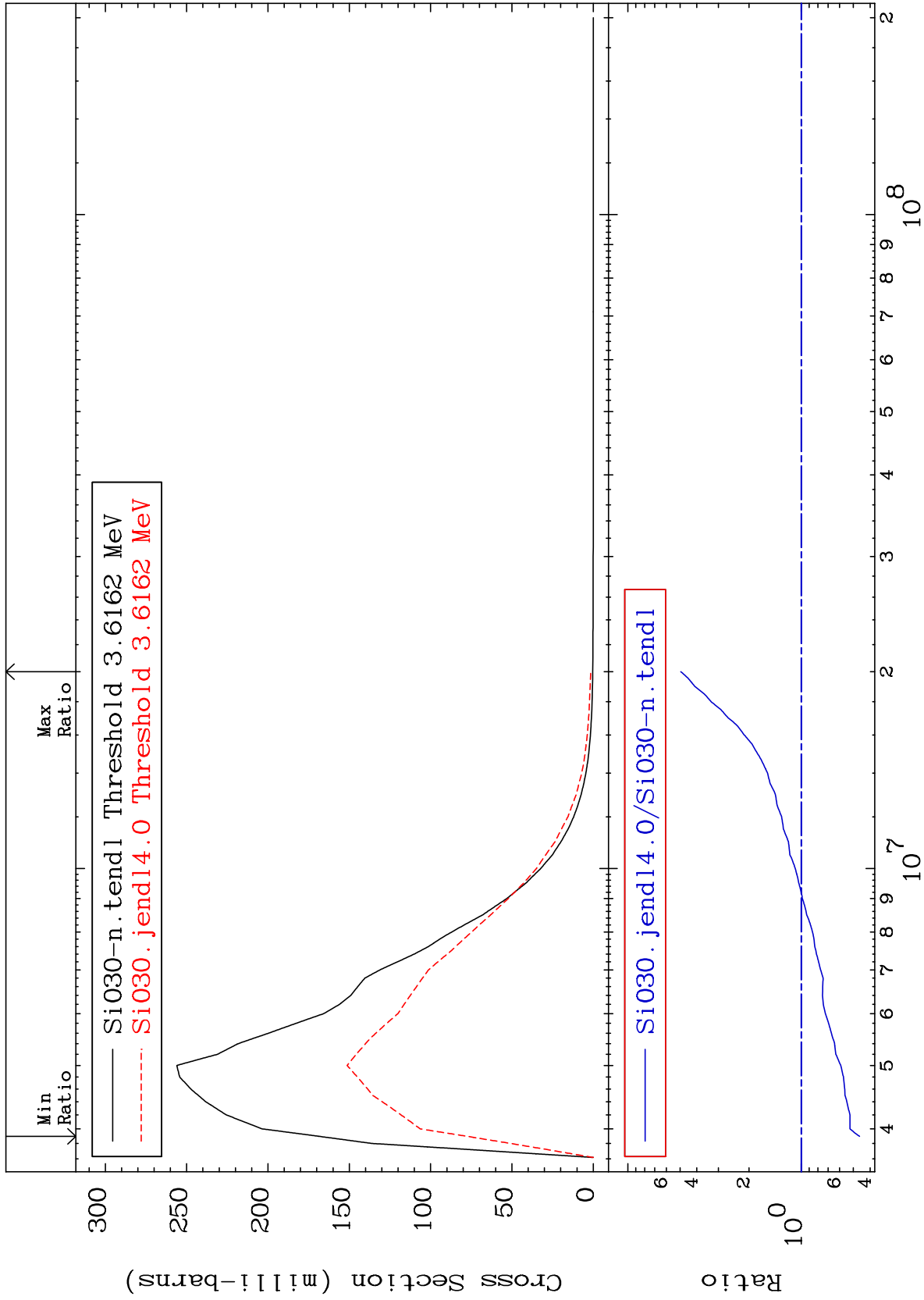
14-Si-30
-49.21 To 229.0 %



MAT 1431

3.498 MeV (n,n') Level
Cross Section

14-Si-30
-53.95 To 395.2 %



8

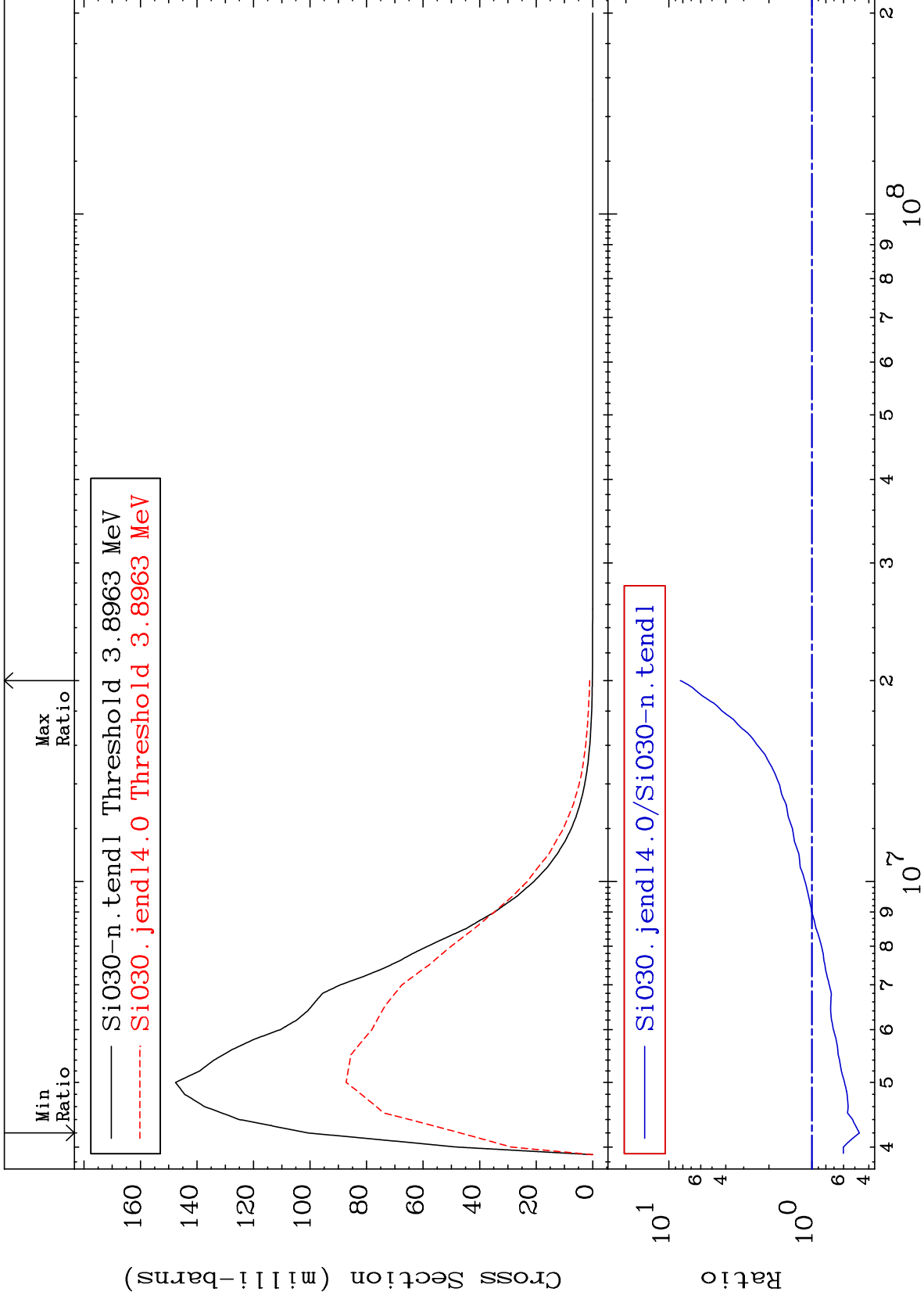
Incident Energy (eV)

14-Si-30

MAT 1431

3.769 MeV (n,n') Level
Cross Section

14-Si-30
-53.49 To 732.0 %



9

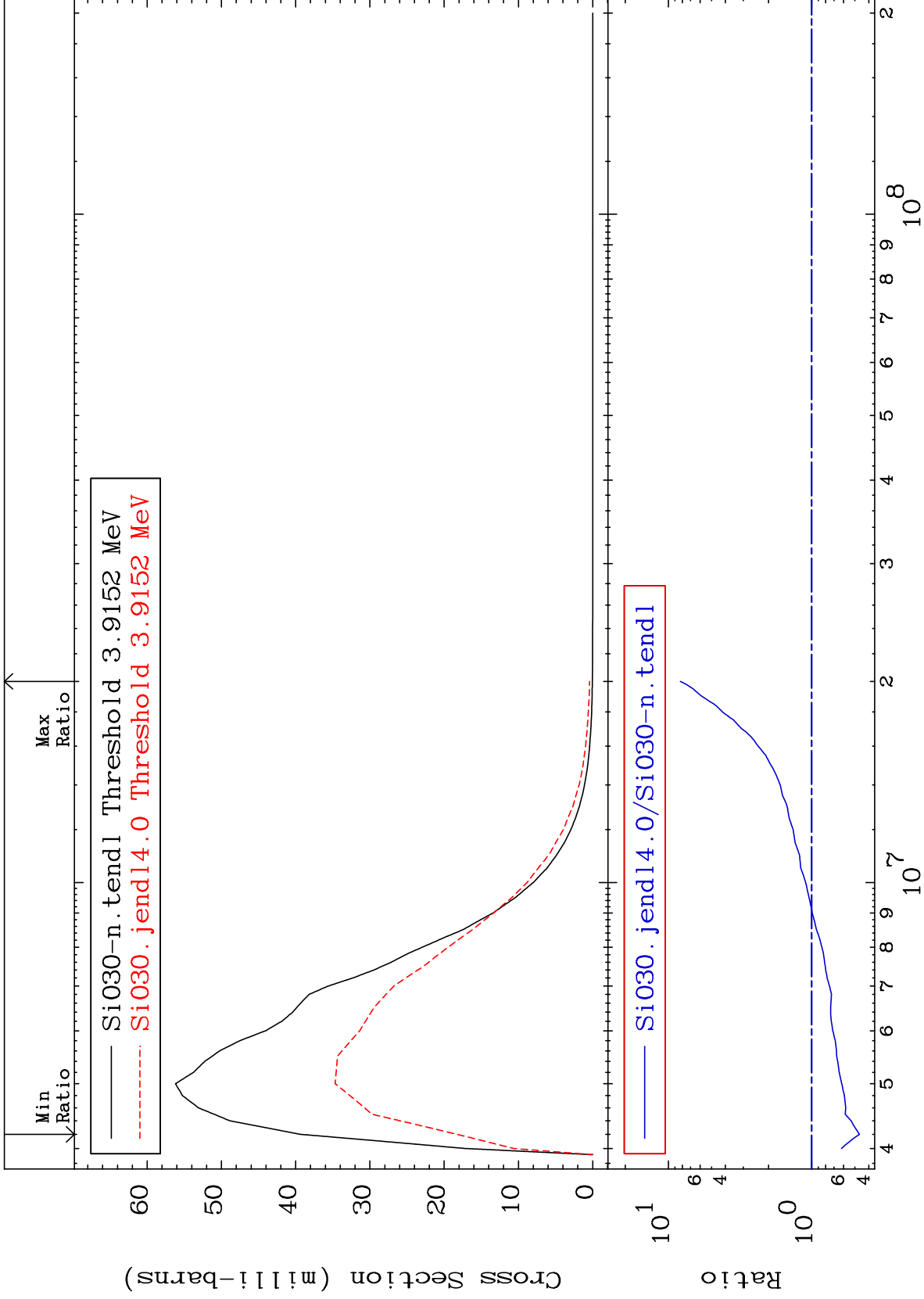
Incident Energy (eV)

14-Si-30

MAT 1431

3.788 MeV (n,n') Level
Cross Section

14-Si-30
-53.54 To 725.3 %



10

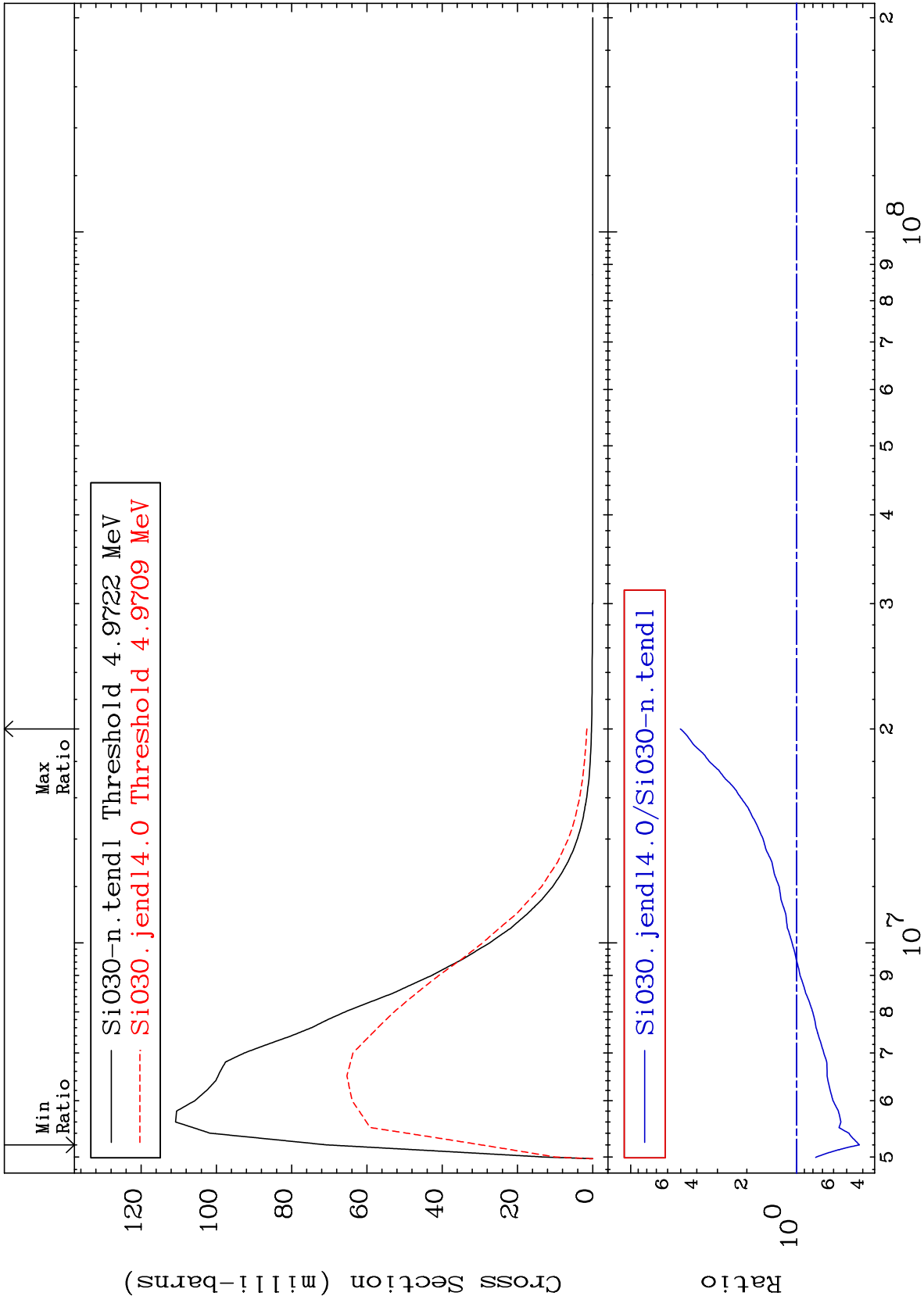
Incident Energy (eV)

14-Si-30

MAT 1431

4.810 MeV (n,n') Level
Cross Section

14-Si-30
-58.07 To 402.1 %



11

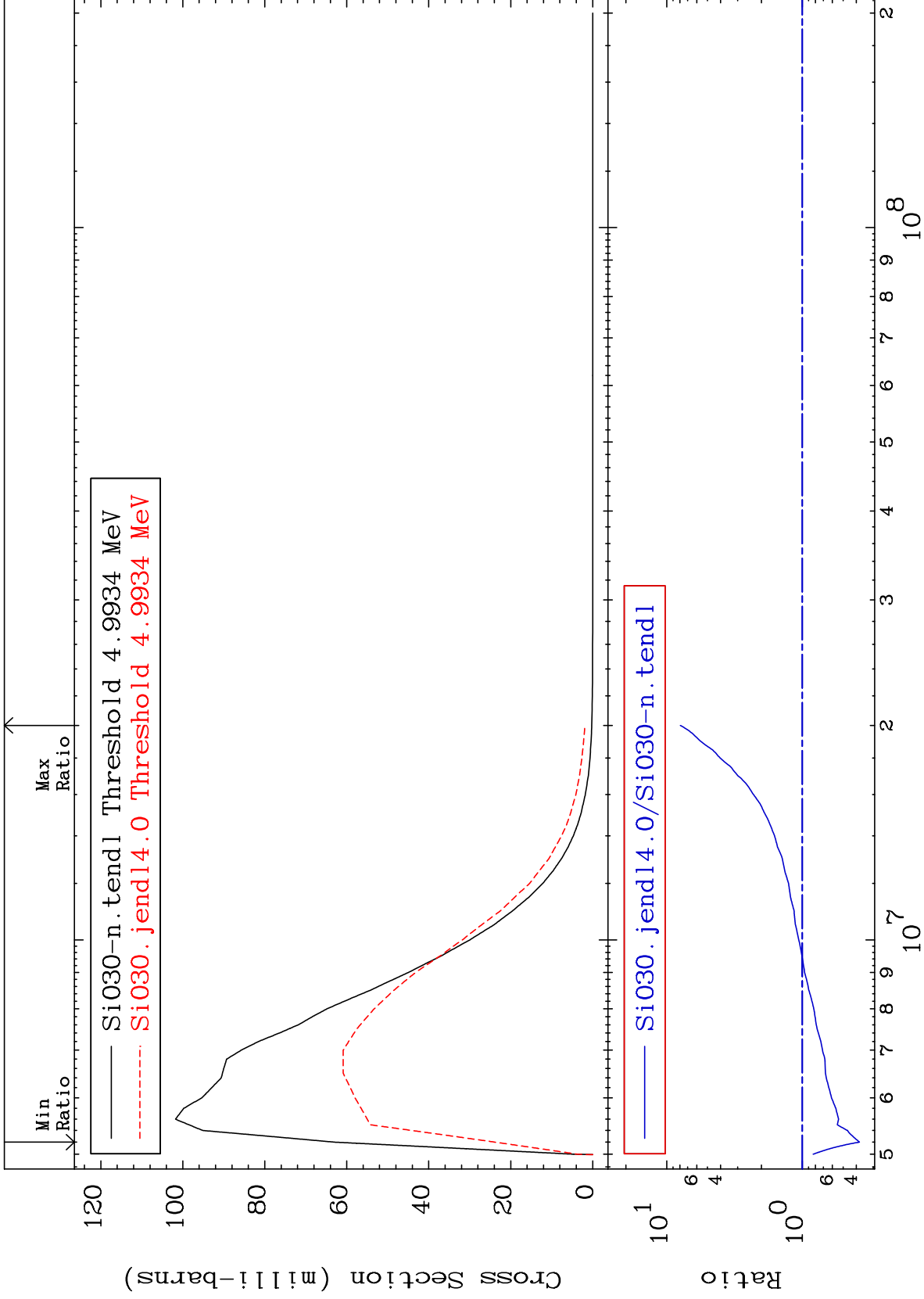
Incident Energy (eV)

14-Si-30

MAT 1431

4.831 MeV (n,n') Level
Cross Section

14-Si-30
-62.12 To 693.1 %



12

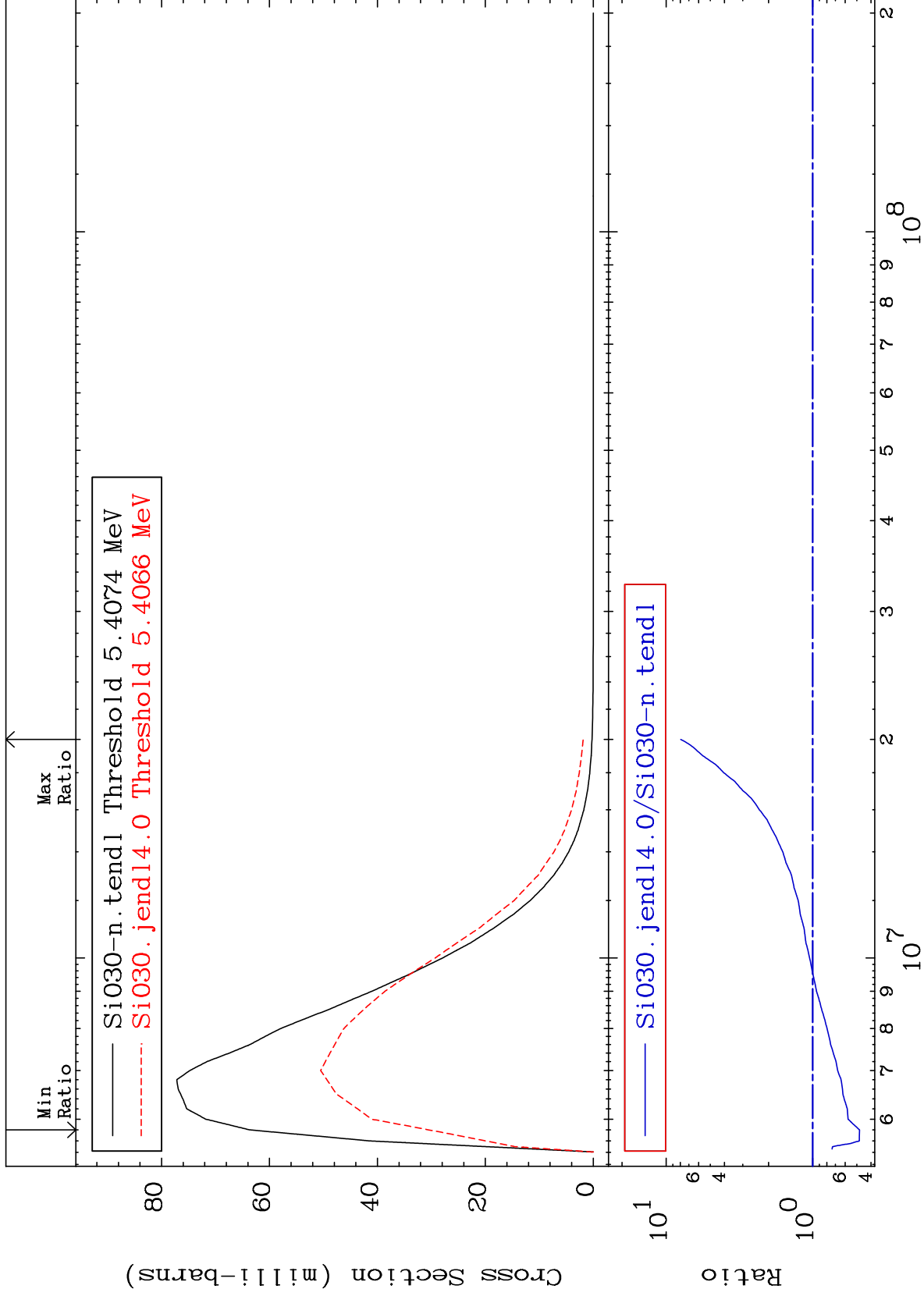
14-Si-30

14-Si-30

MAT 1431

5.231 MeV (n,n') Level
Cross Section

14-Si-30
-52.14 To 694.6 %



13

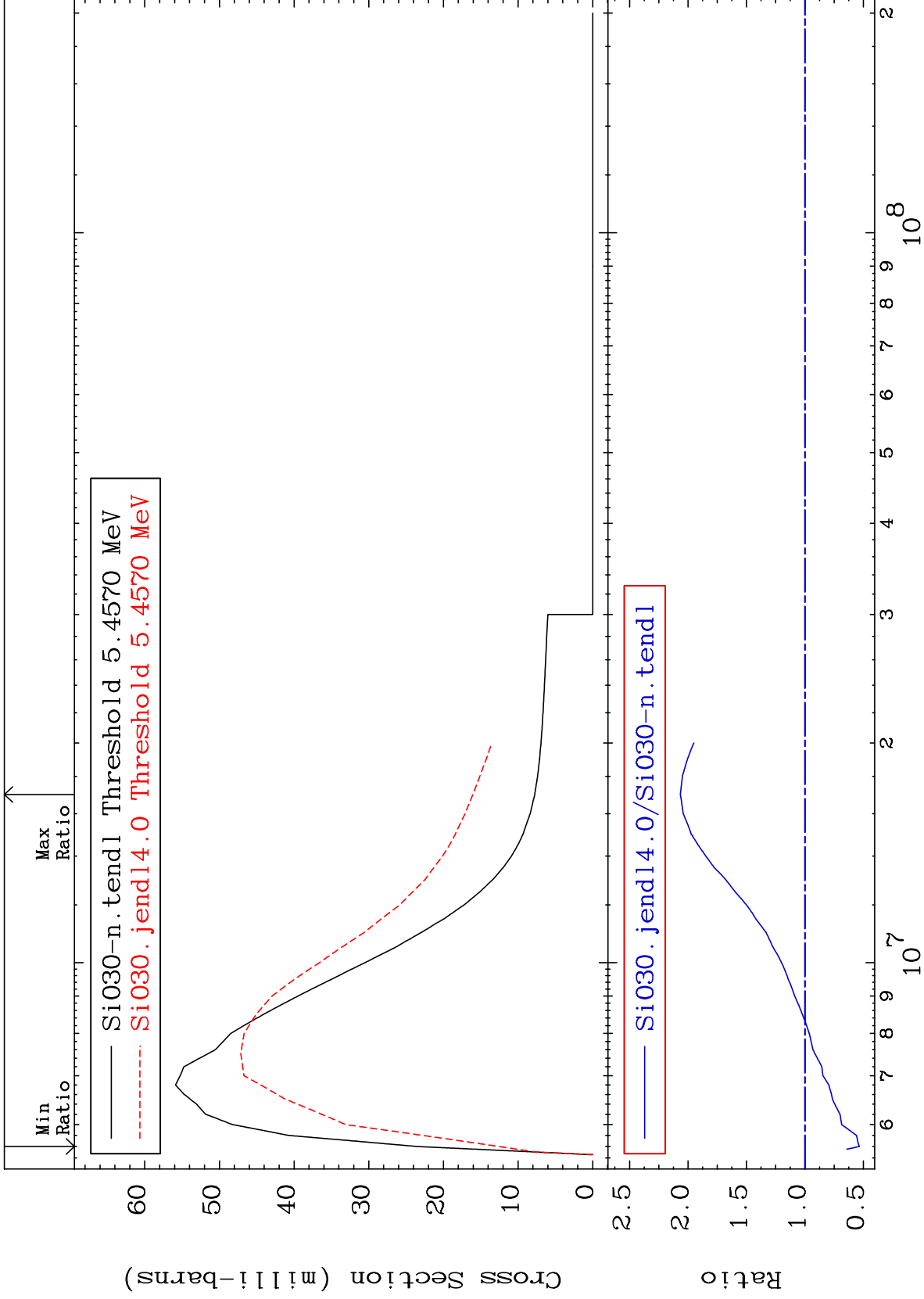
Incident Energy (eV)

14-Si-30

MAT 1431

5.279 MeV (n,n') Level
Cross Section

14-Si-30
-46.64 To 106.5 %



14

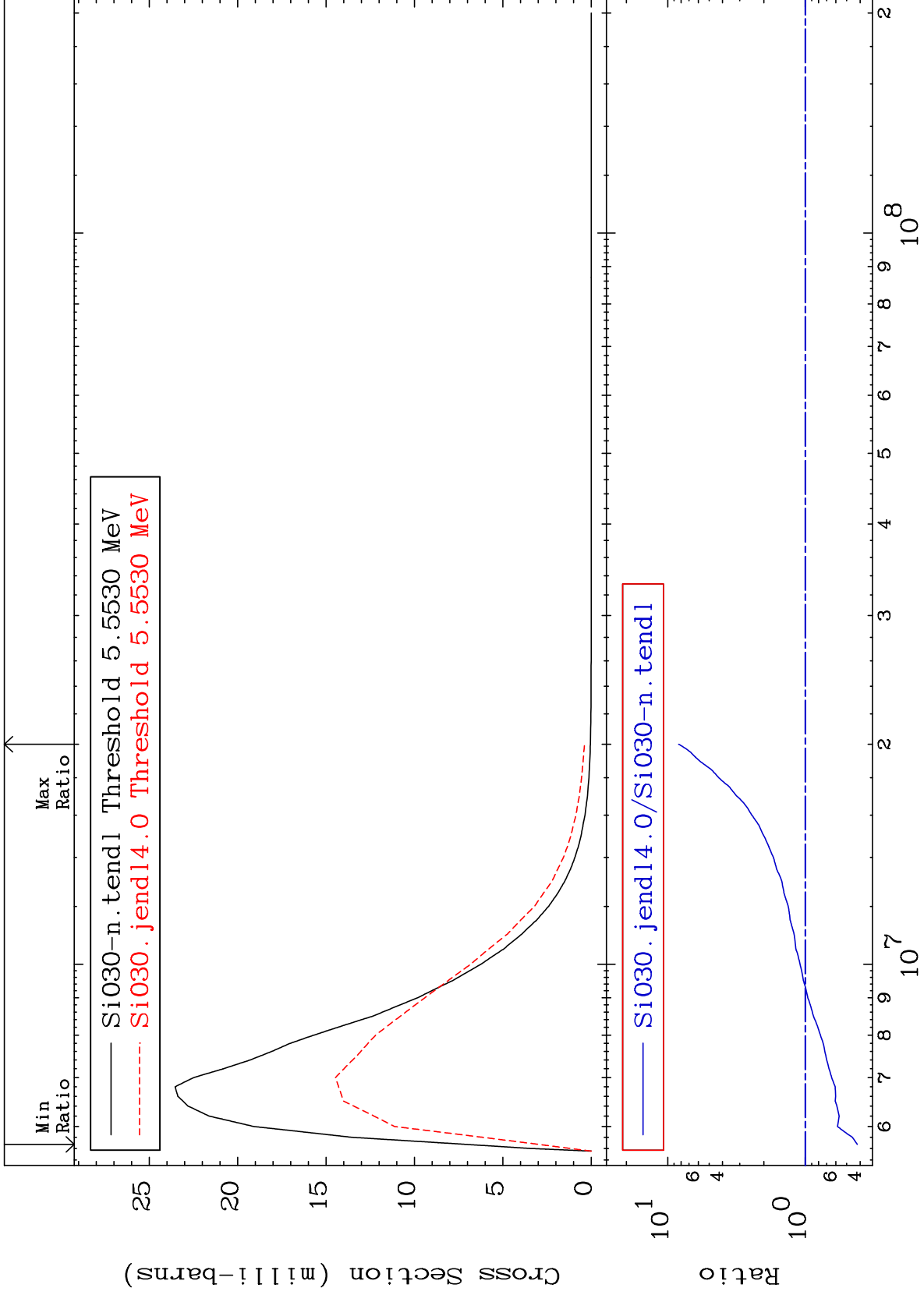
Incident Energy (eV)

14-Si-30

MAT 1431

5.372 MeV (n,n') Level
Cross Section

14-Si-30
-58.07 To 733.5 %



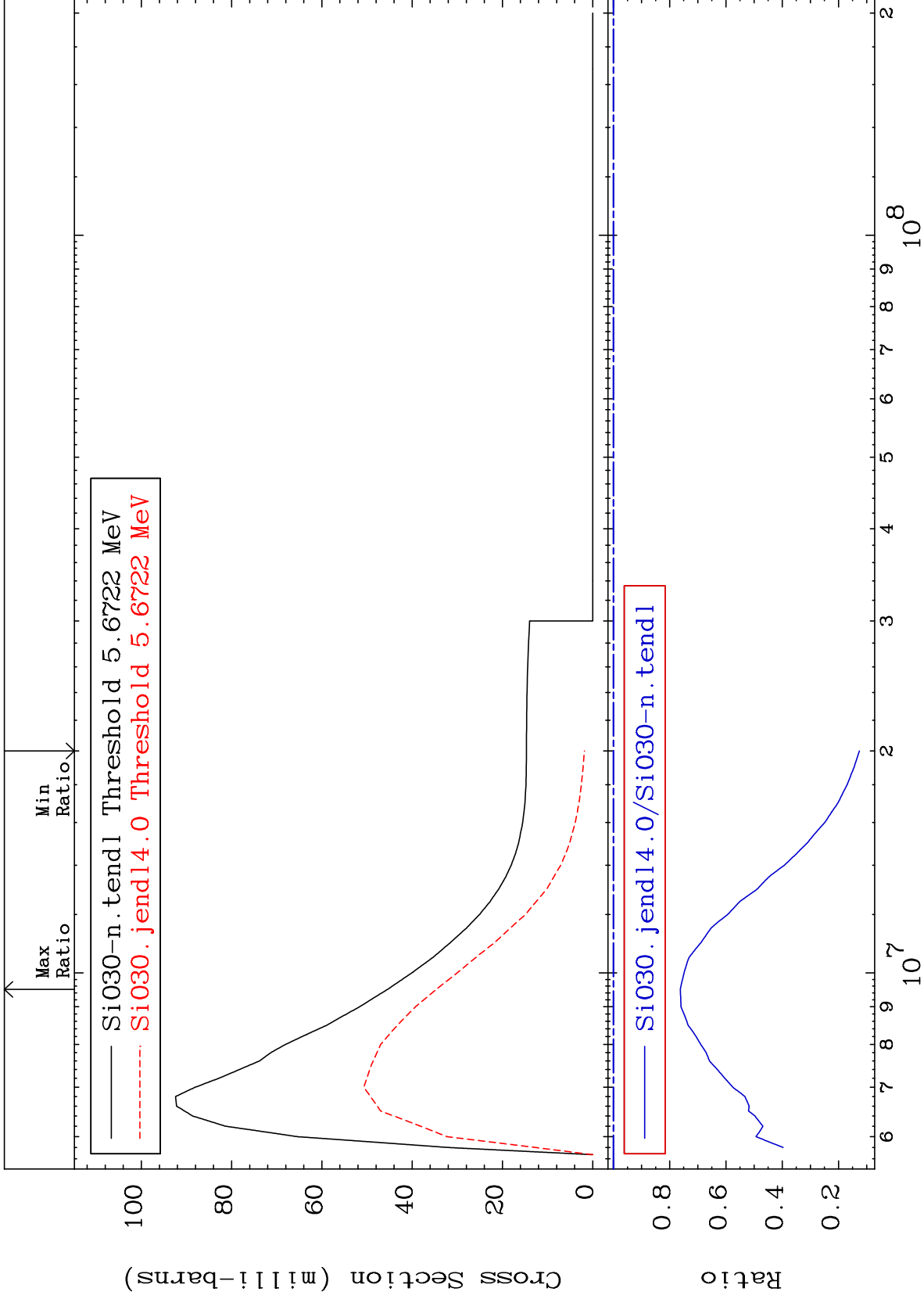
15

14-Si-30

MAT 1431

5.488 MeV (n,n') Level
Cross Section

14-Si-30
-87.43 To -23.79%



16

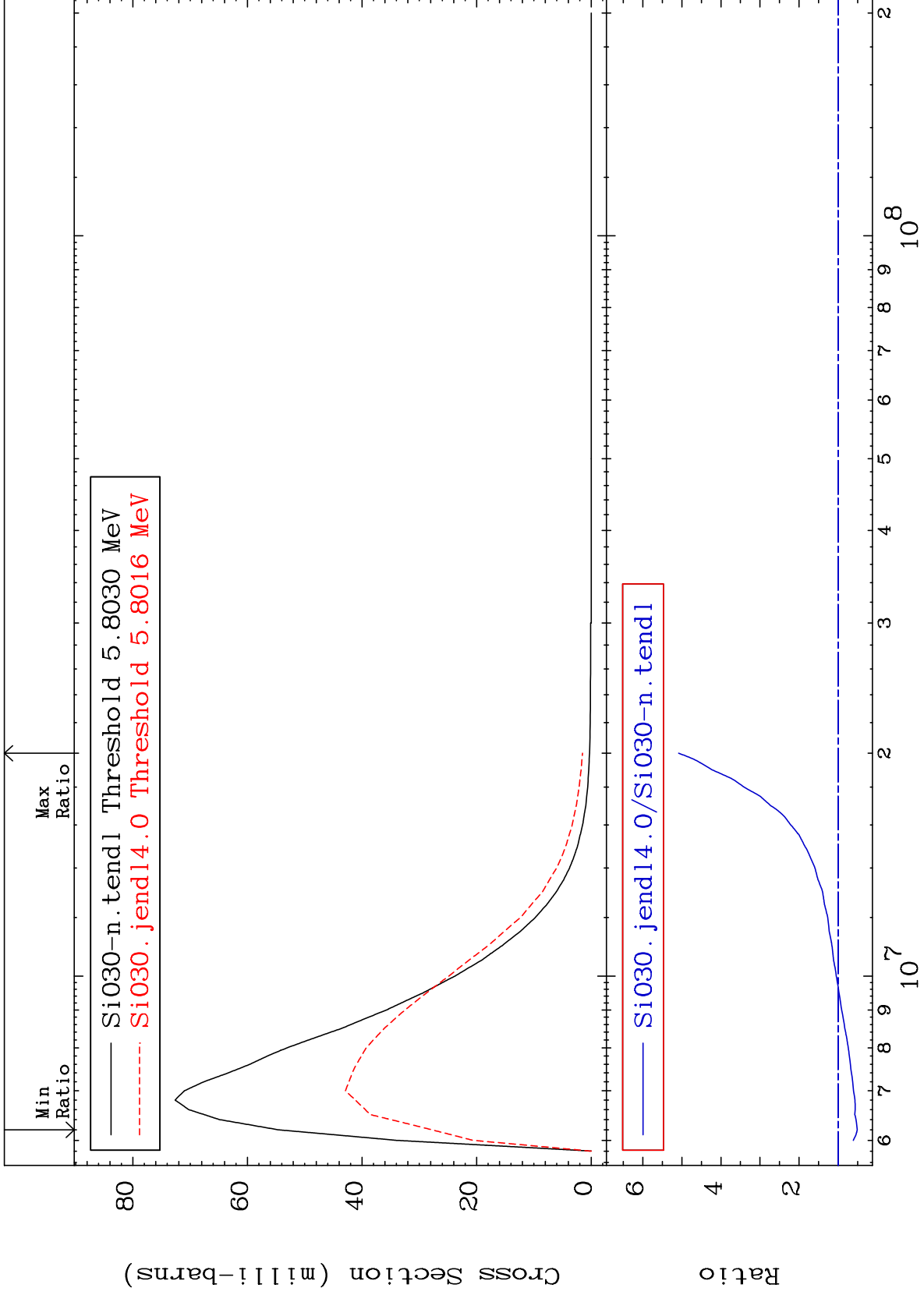
Incident Energy (eV)

14-Si-30

MAT 1431

5.614 MeV (n,n') Level
Cross Section

14-Si-30
-49.09 To 408.3 %



17

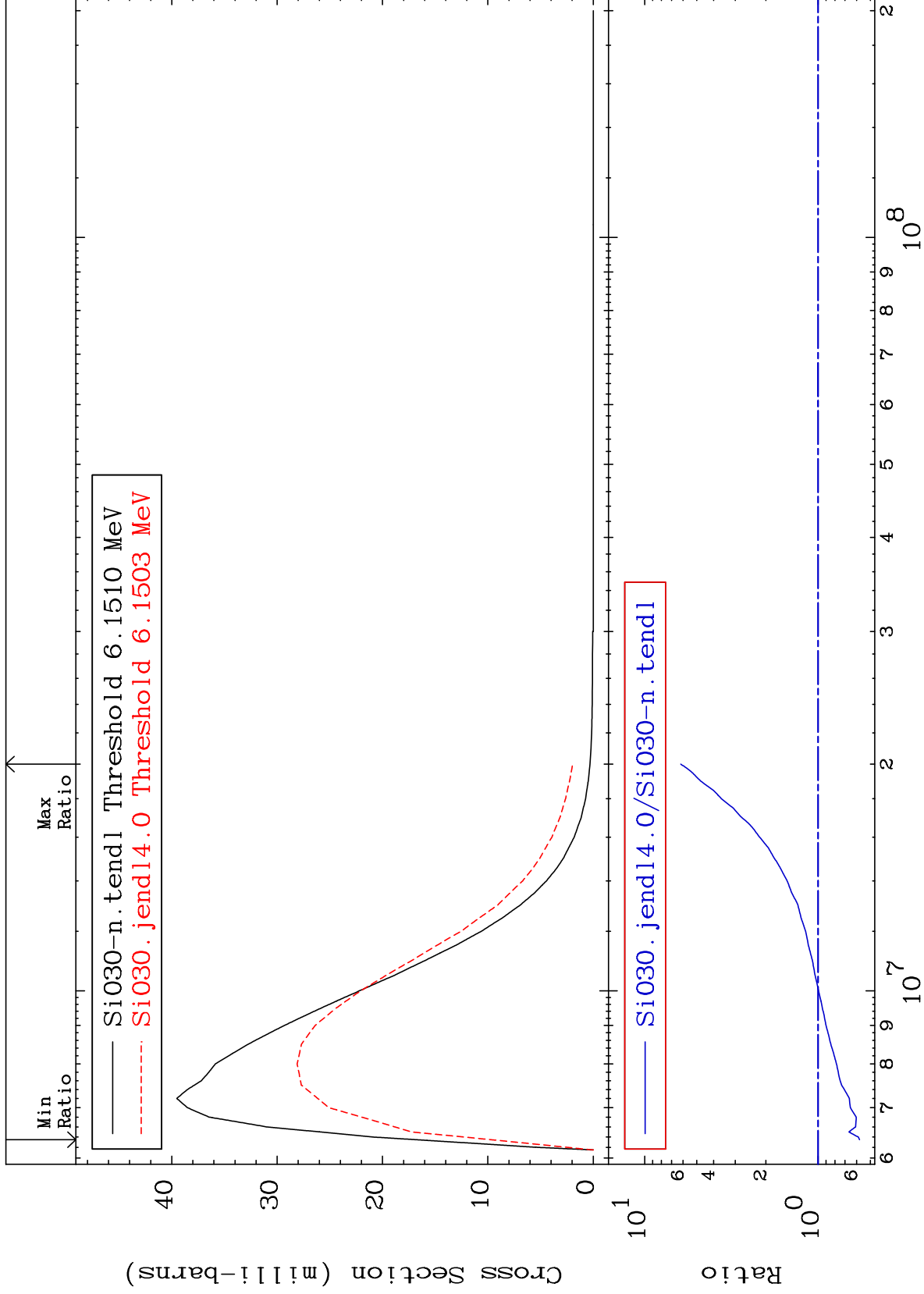
Incident Energy (eV)

14-Si-30

MAT 1431

5.951 MeV (n,n') Level
Cross Section

14-Si-30
-42.28 To 518.9 %



18

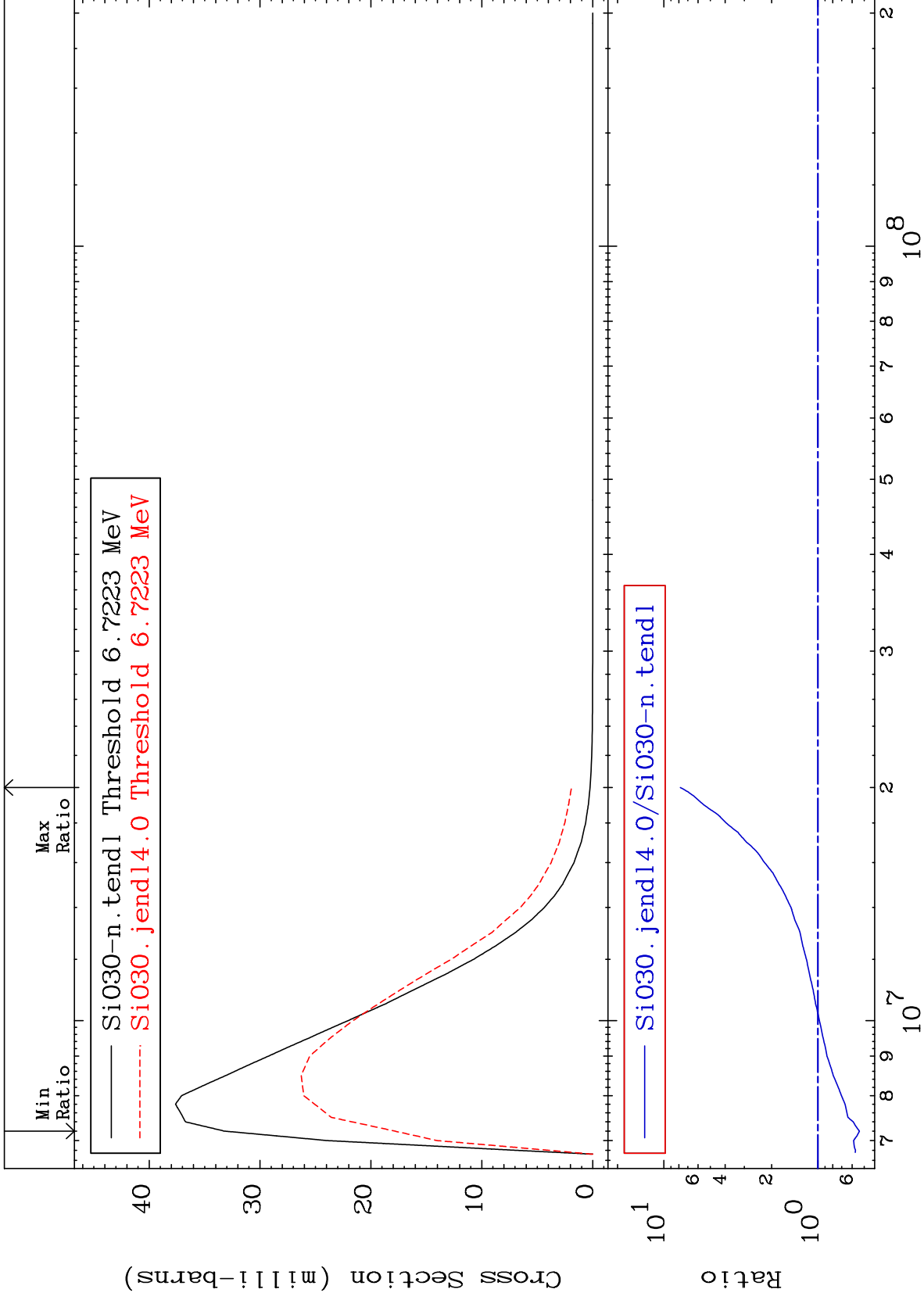
Incident Energy (eV)

14-Si-30

MAT 1431

6.503 MeV (n,n') Level
Cross Section

14-Si-30
-46.25 To 681.9 %



19

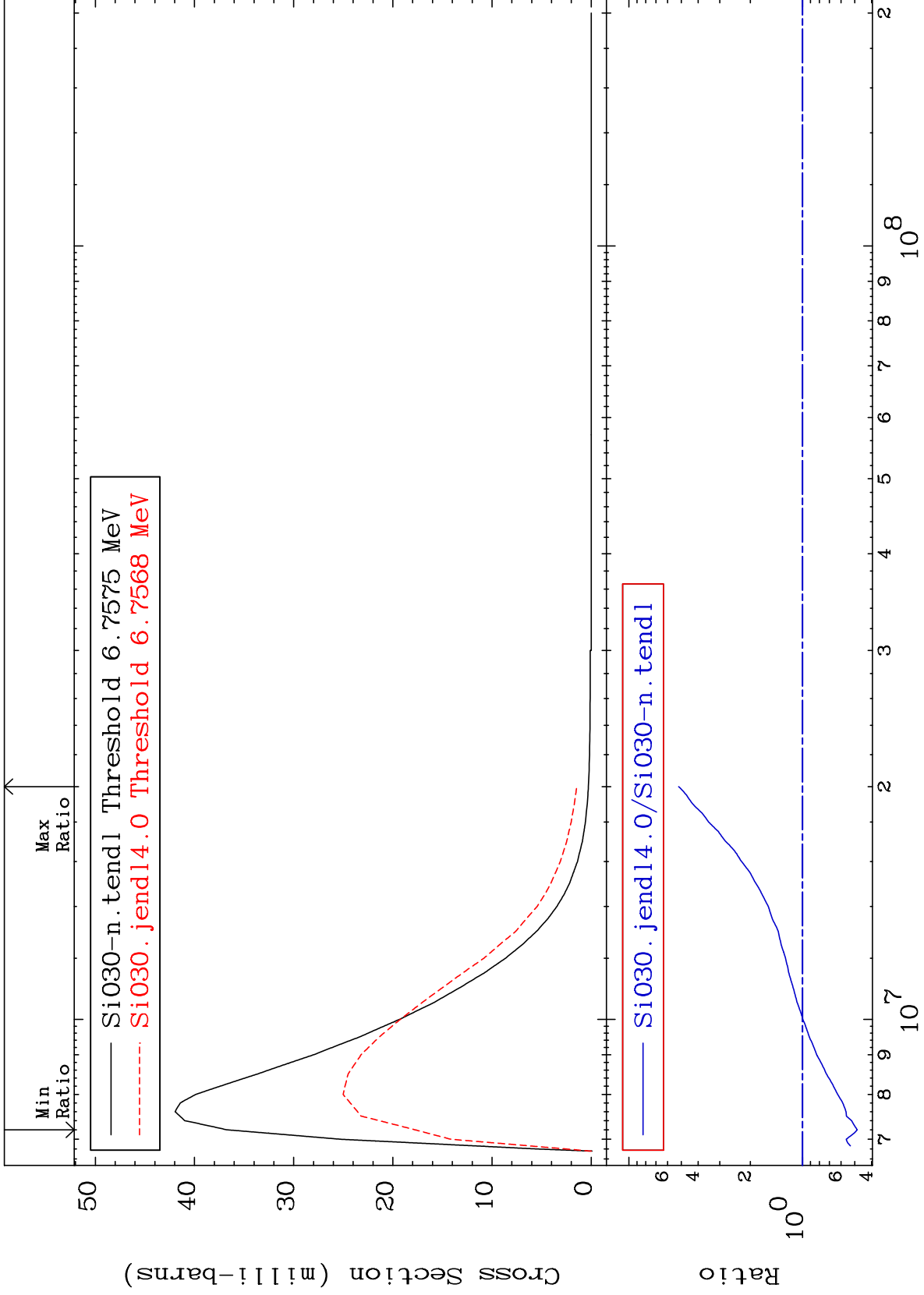
Incident Energy (eV)

14-Si-30

MAT 1431

6.538 MeV (n,n') Level
Cross Section

14-Si-30
-51.60 To 417.4 %



20

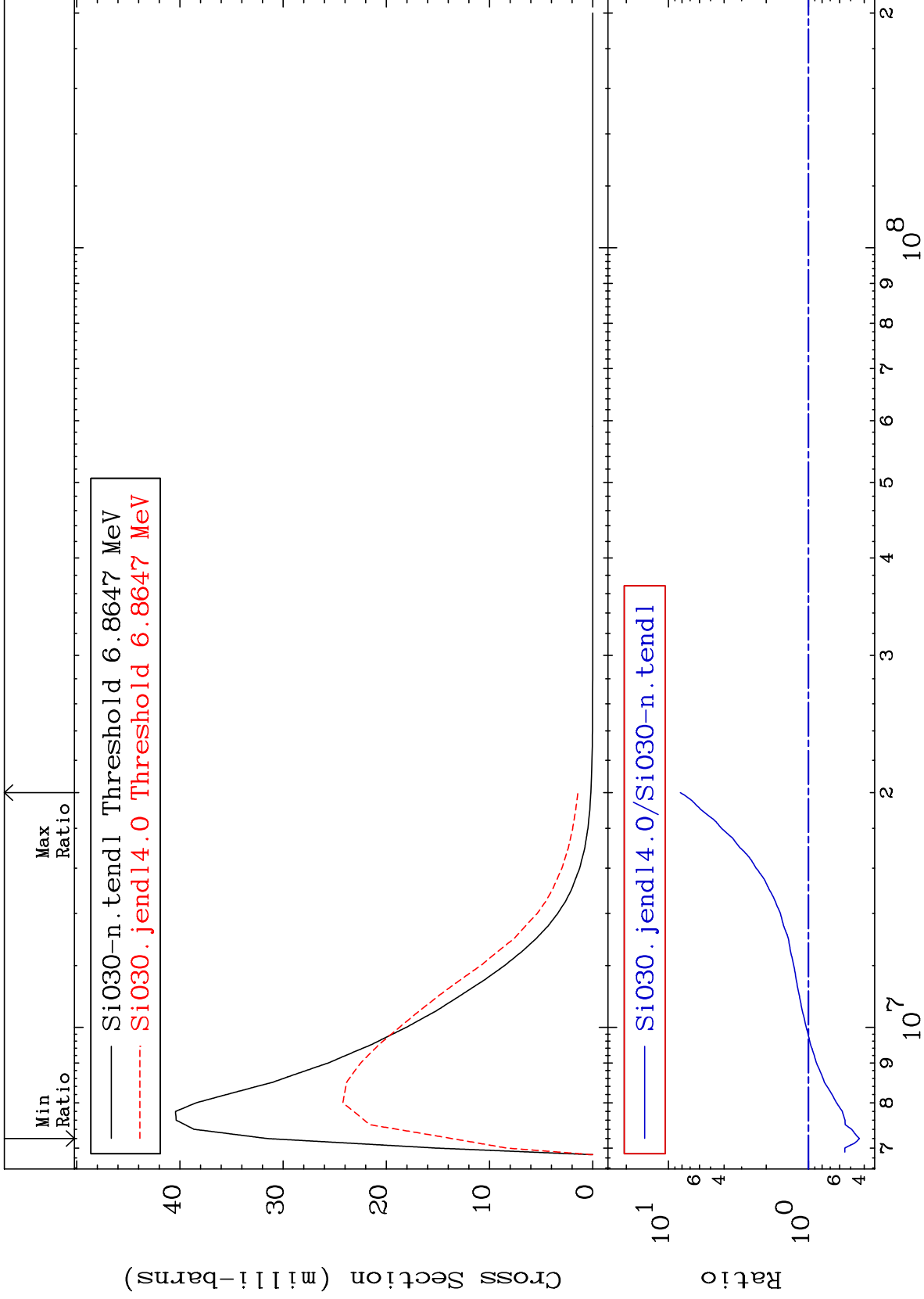
Incident Energy (eV)

14-Si-30

MAT 1431

6.641 MeV (n,n') Level
Cross Section

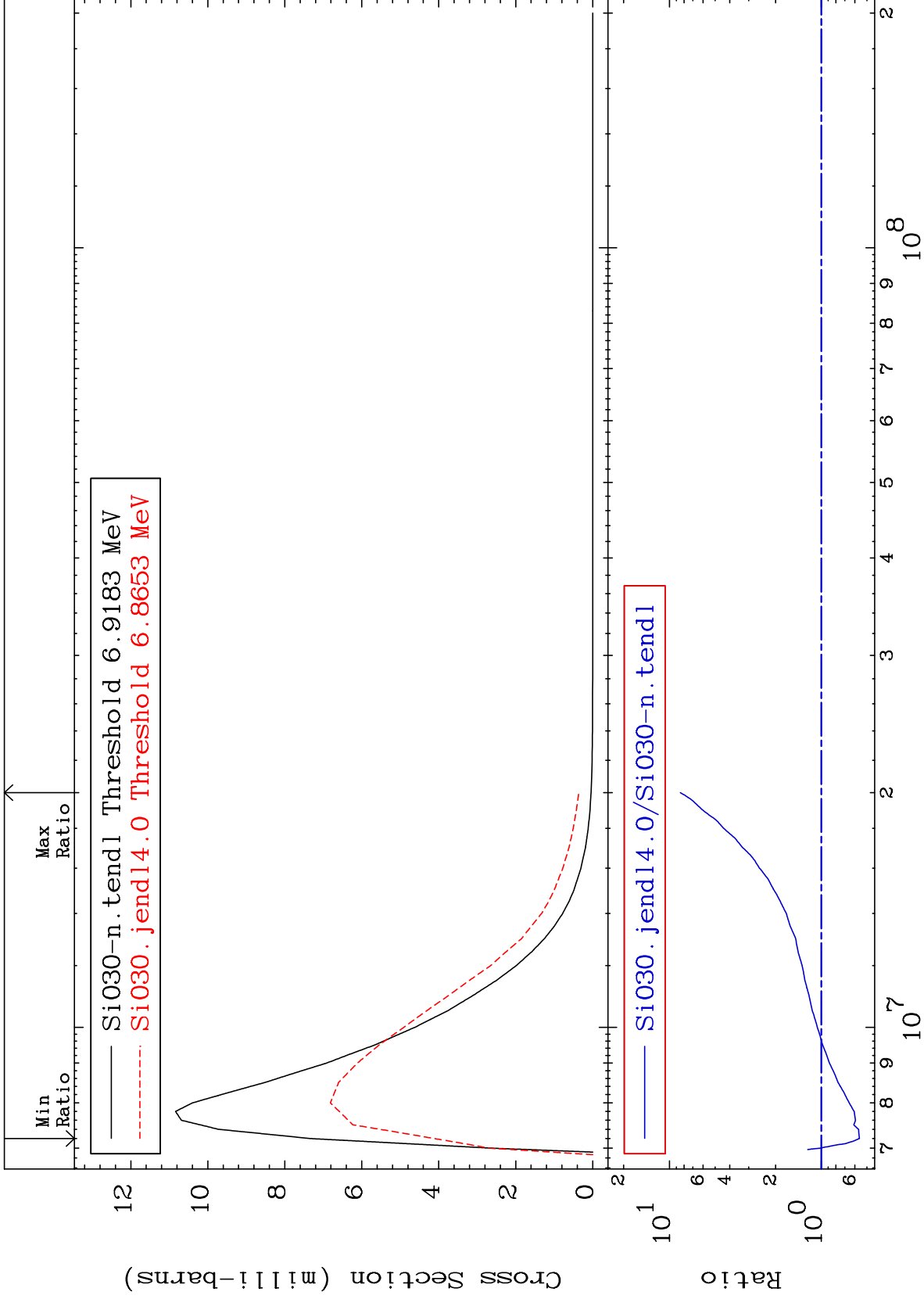
14-Si-30
-56.75 To 721.7 %



MAT 1431

6.693 MeV (n,n') Level
Cross Section

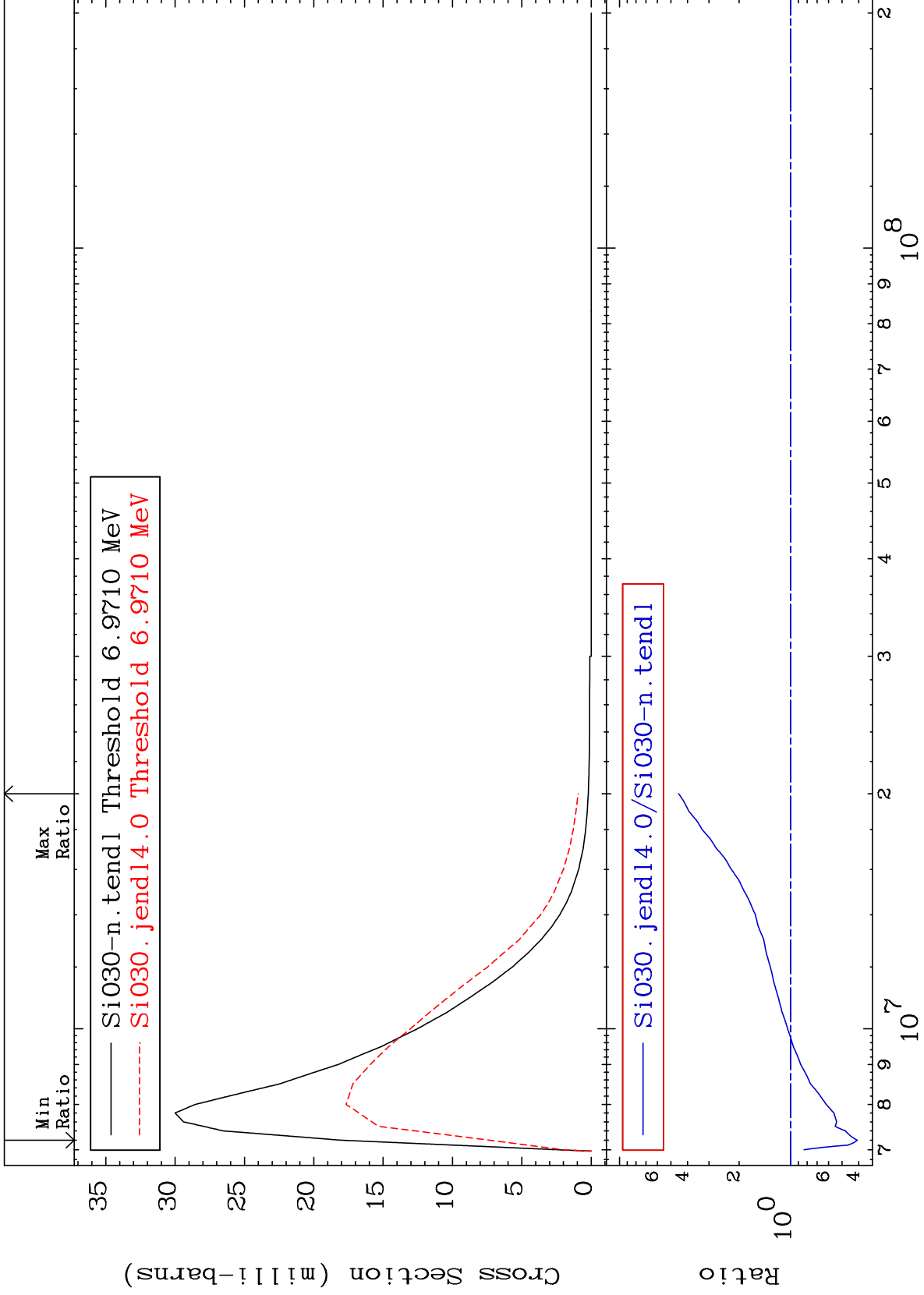
14-Si-30
-43.95 To 746.6 %



MAT 1431

6.744 MeV (n,n') Level
Cross Section

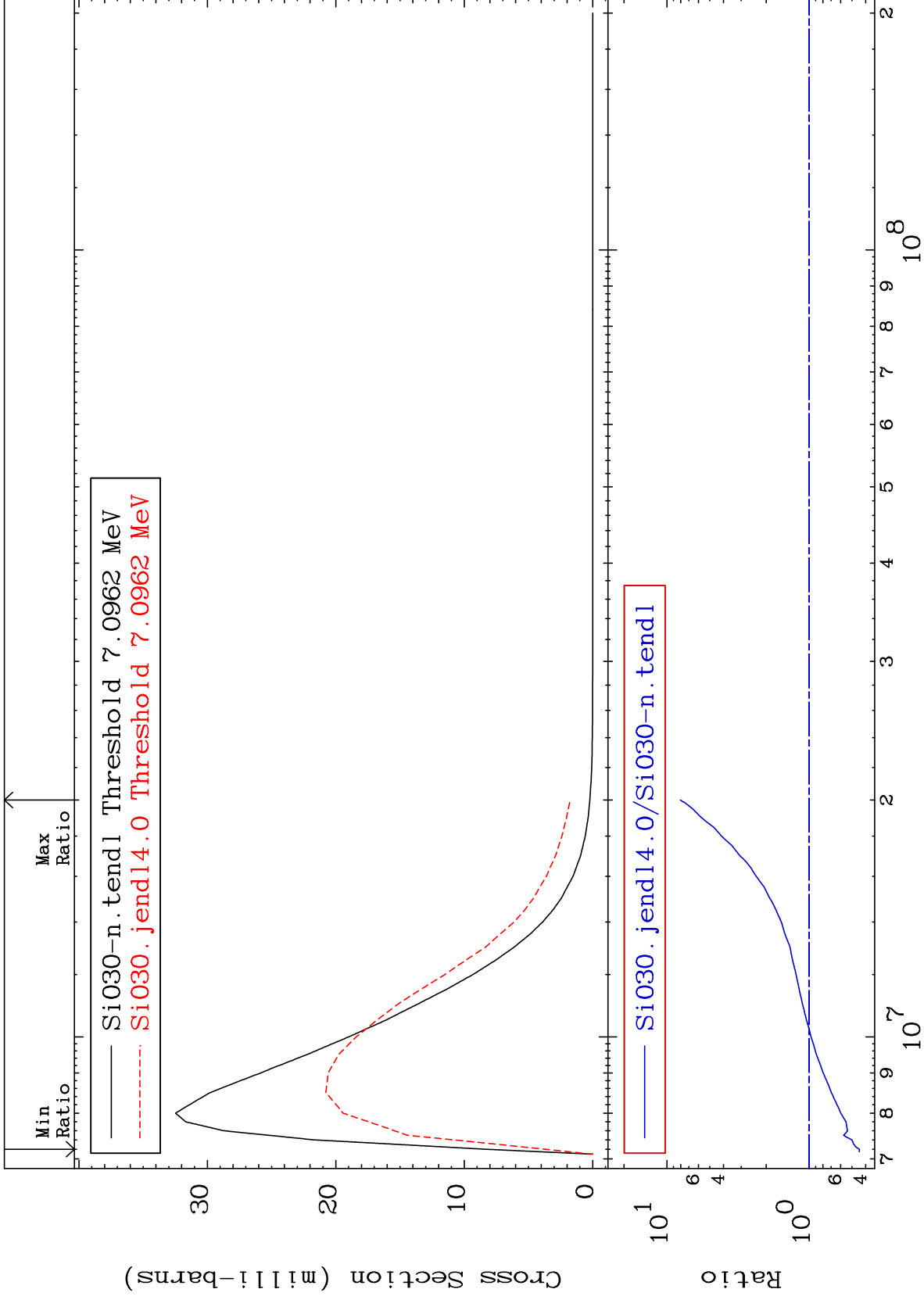
14-Si-30
-59.23 To 351.0 %



MAT 1431

6.865 MeV (n,n') Level
Cross Section

14-Si-30
-55.72 To 704.4 %



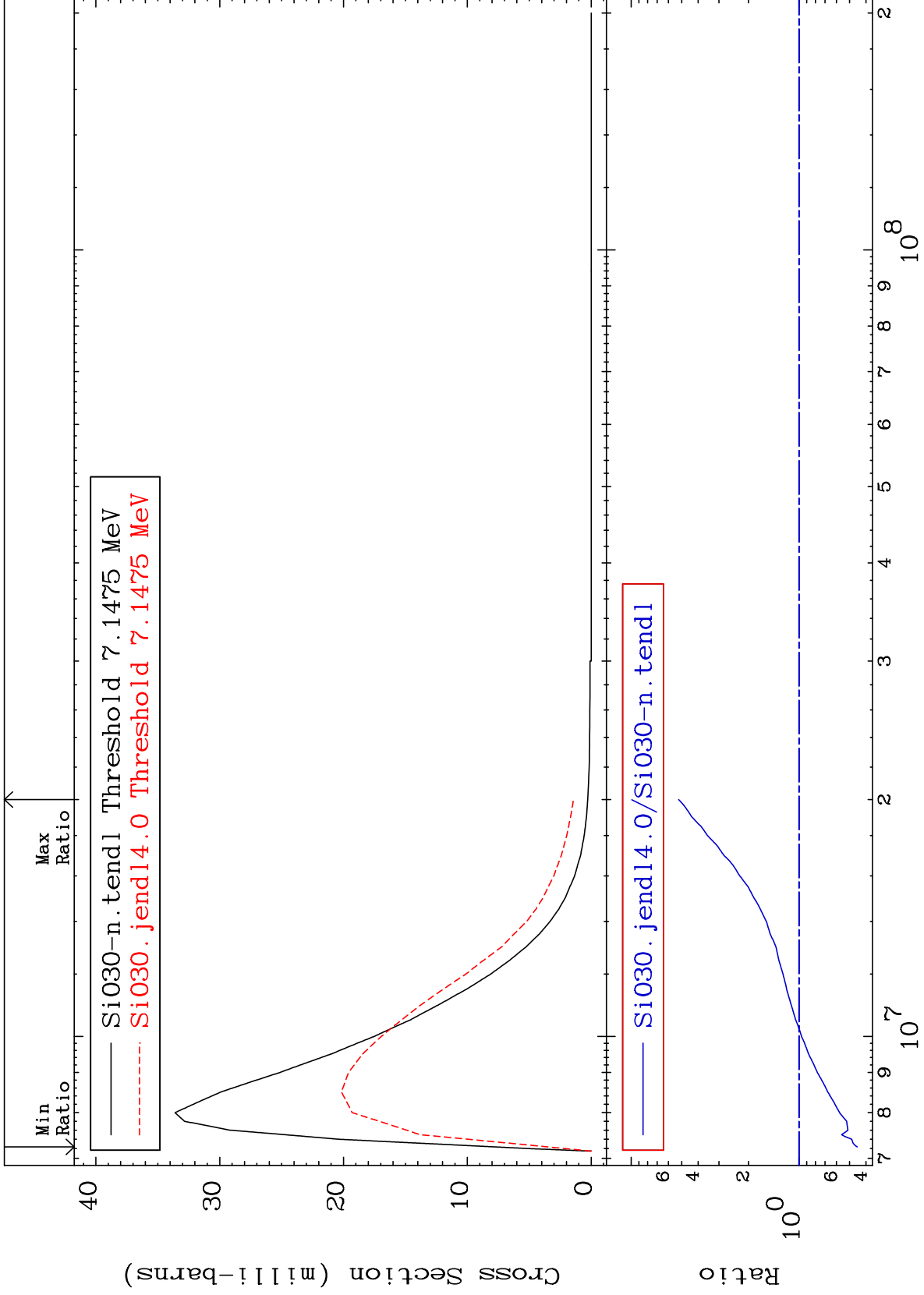
24

14-Si-30

MAT 1431

6.915 MeV (n,n') Level
Cross Section

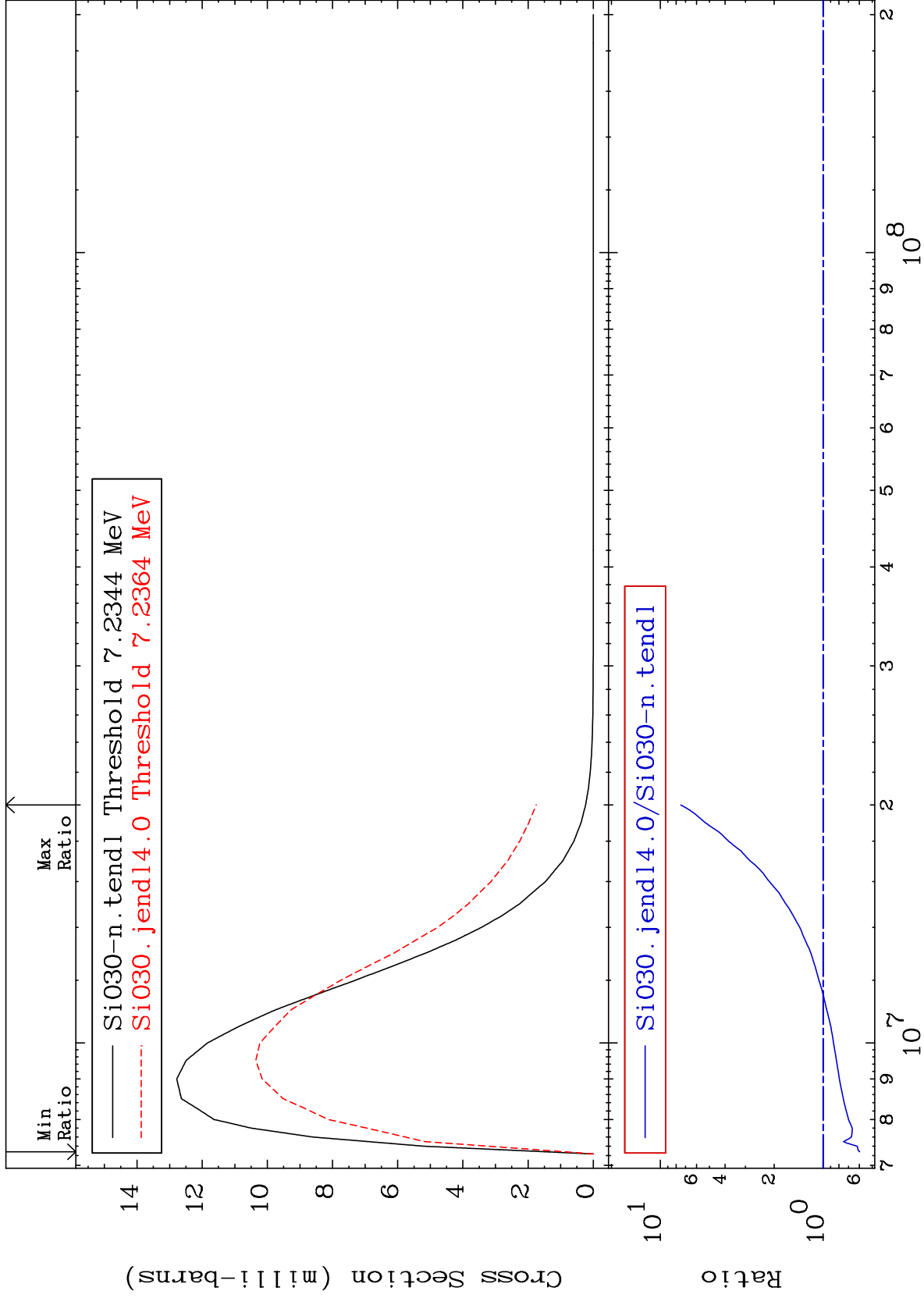
14-Si-30
-54.96 To 422.0 %



MAT 1431

6.999 MeV (n,n') Level
Cross Section

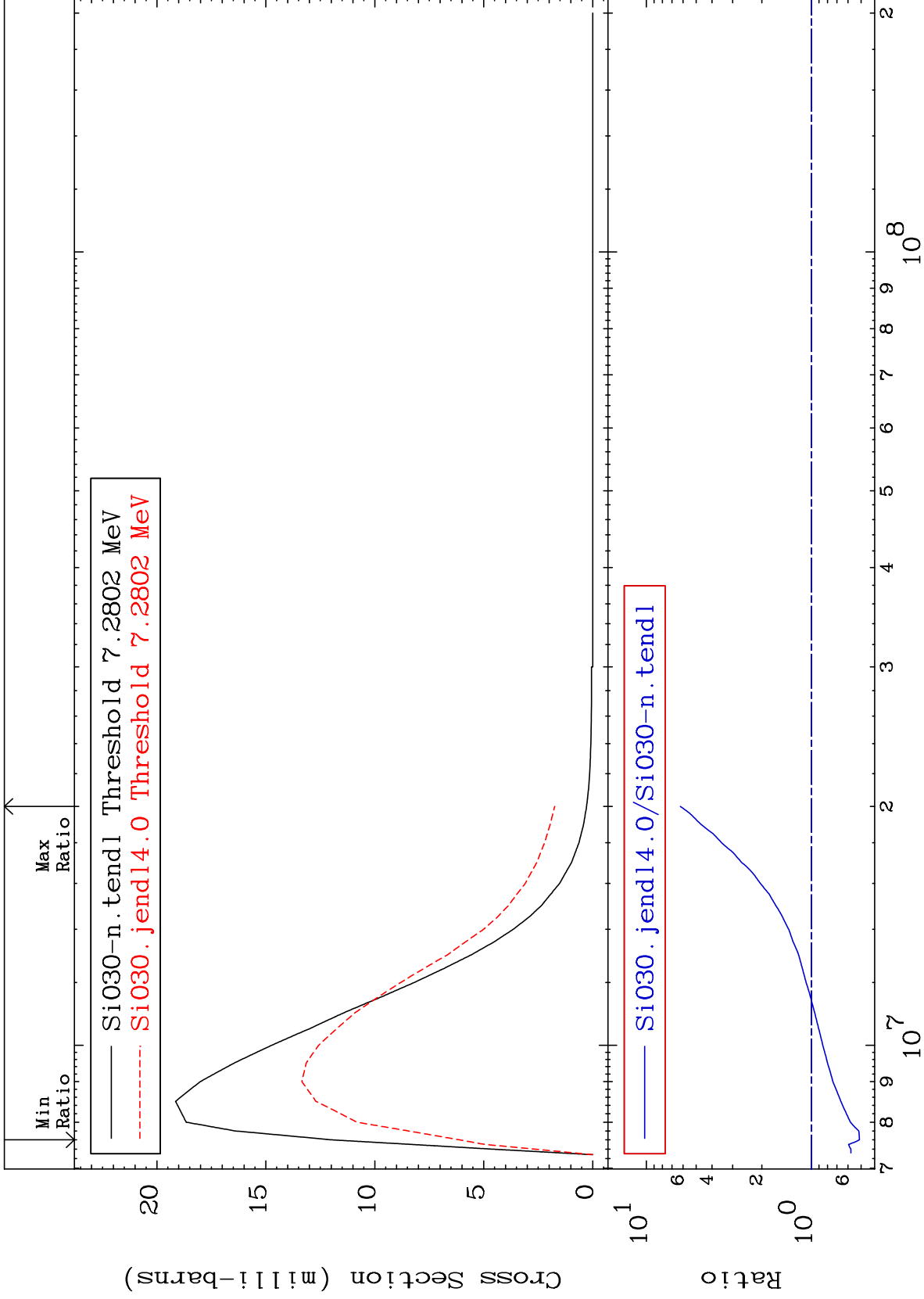
14-Si-30
-40.20 To 649.0 %



MAT 1431

7.043 MeV (n,n') Level
Cross Section

14-Si-30
-48.82 To 522.7 %



27

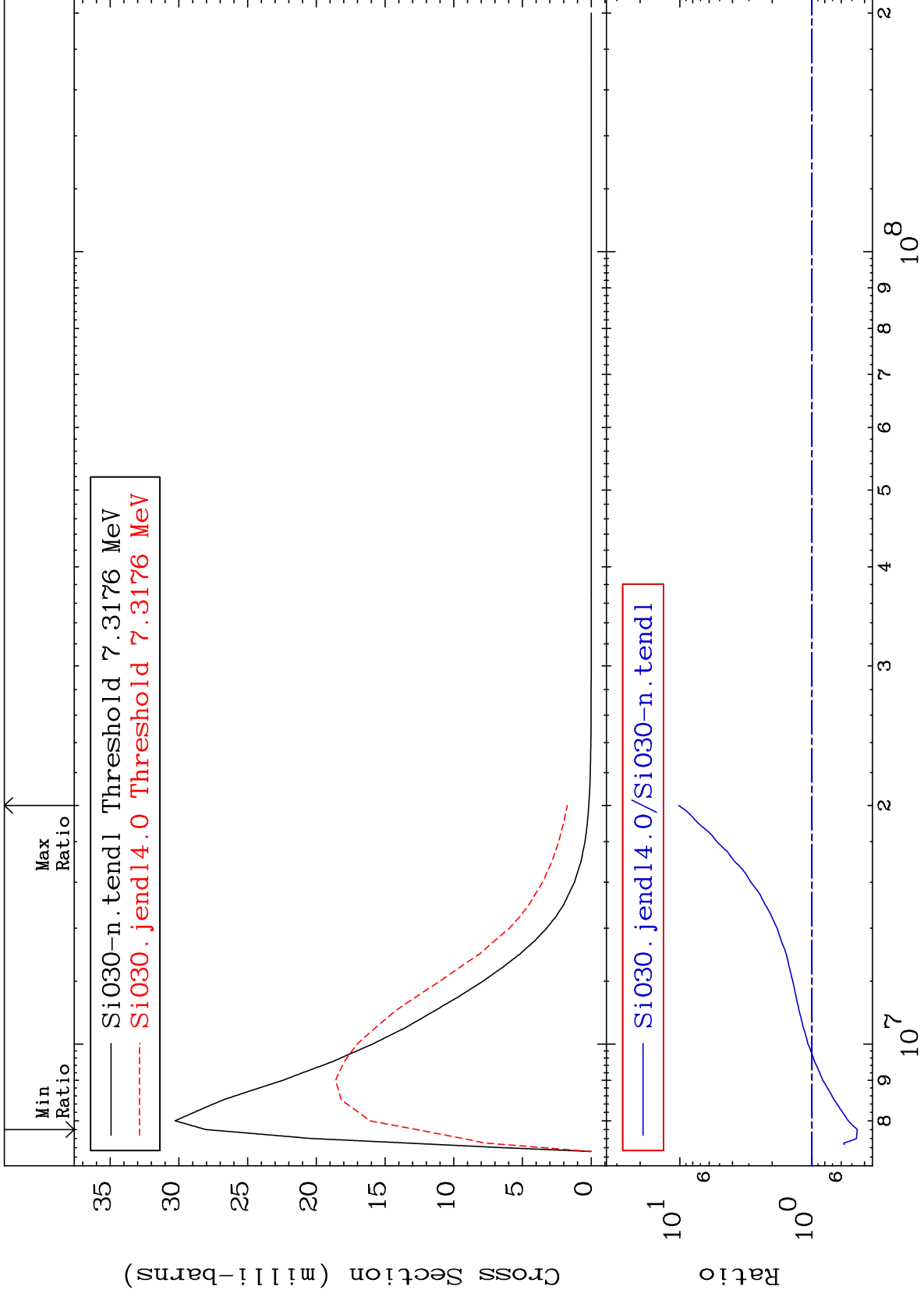
Incident Energy (eV)

14-Si-30

MAT 1431

7.079 MeV (n,n') Level
Cross Section

14-Si-30
-54.58 To 922.0 %



28

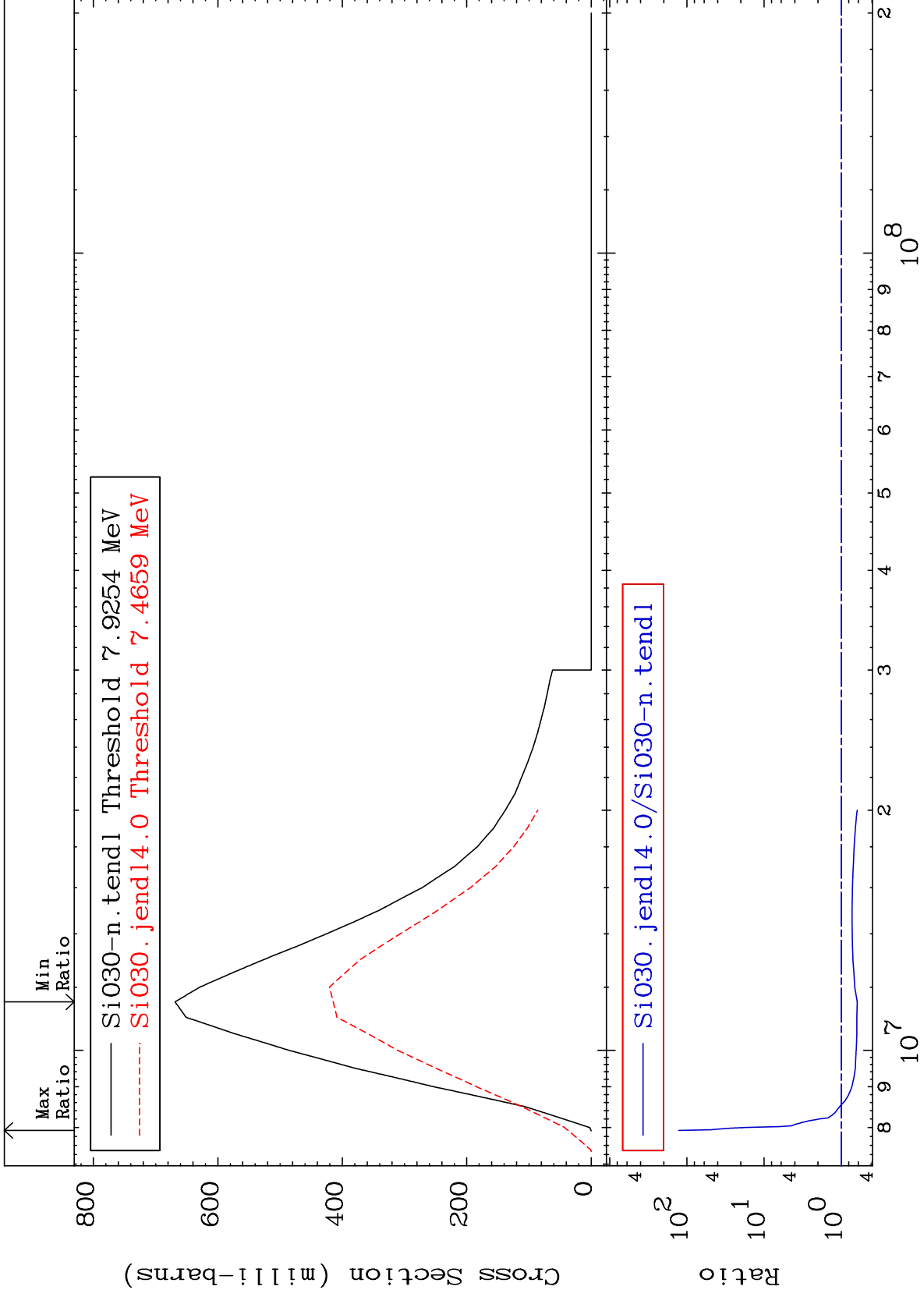
Incident Energy (eV)

14-Si-30

MAT 1431

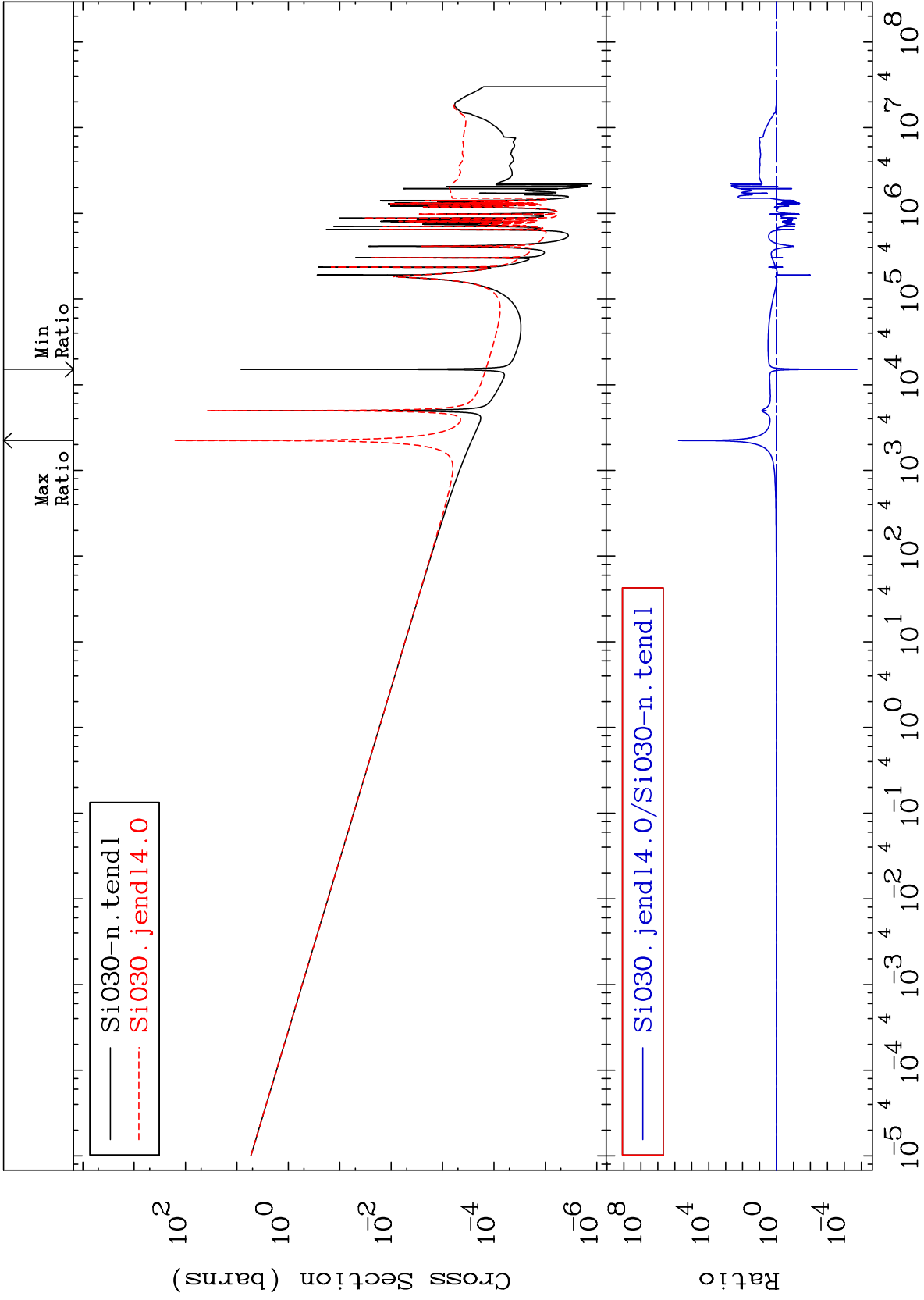
(n, n') Continuum
Cross Section

14-Si-30
-38.01 To 9999. %



MAT 1431

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



30

Incident Energy (eV)

14-Si-30

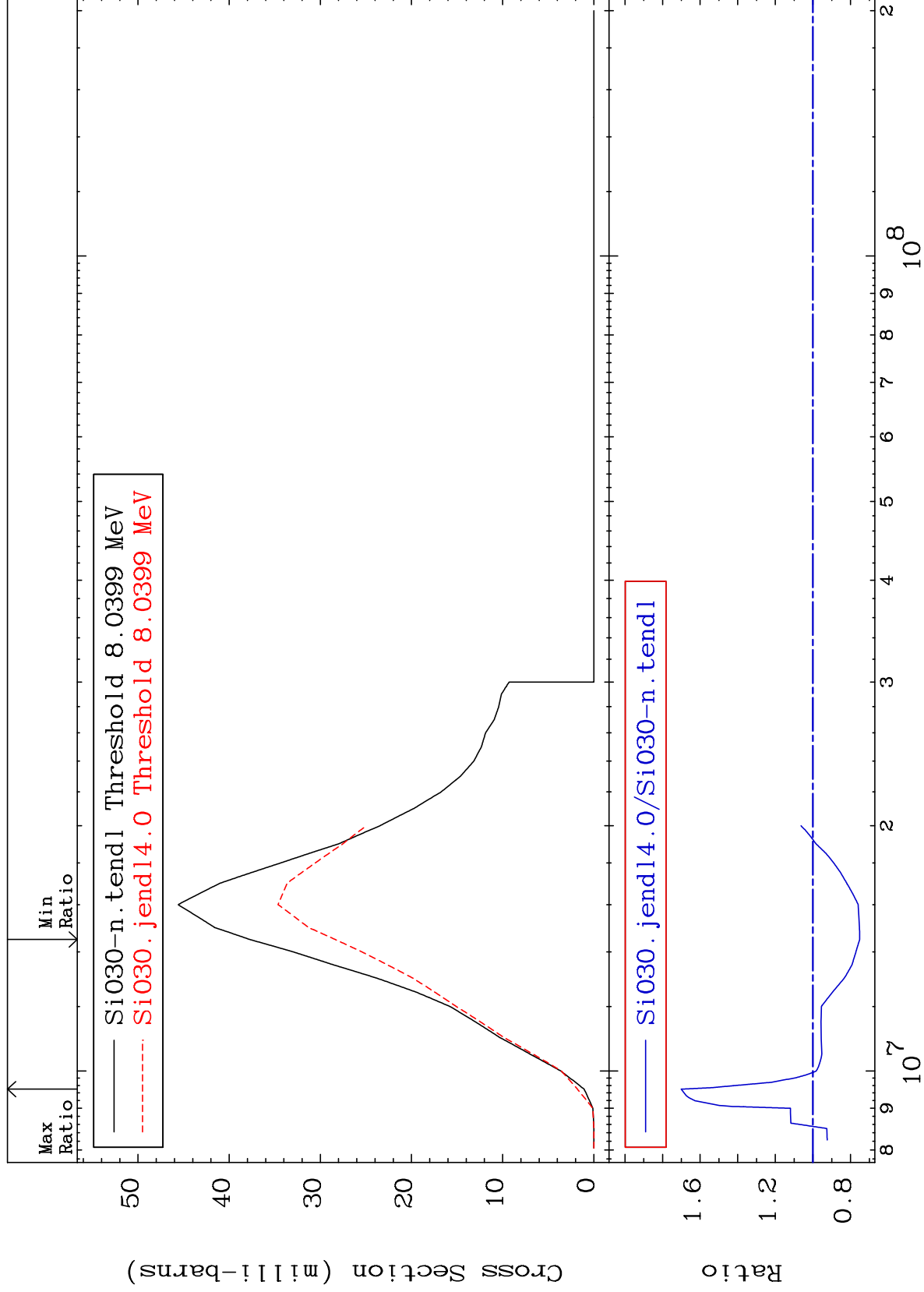
MAT 1431

(n,p)

¹⁴Si-30

Cross Section

-24.83 To 70.08 %



31

Incident Energy (eV)

¹⁴Si-30

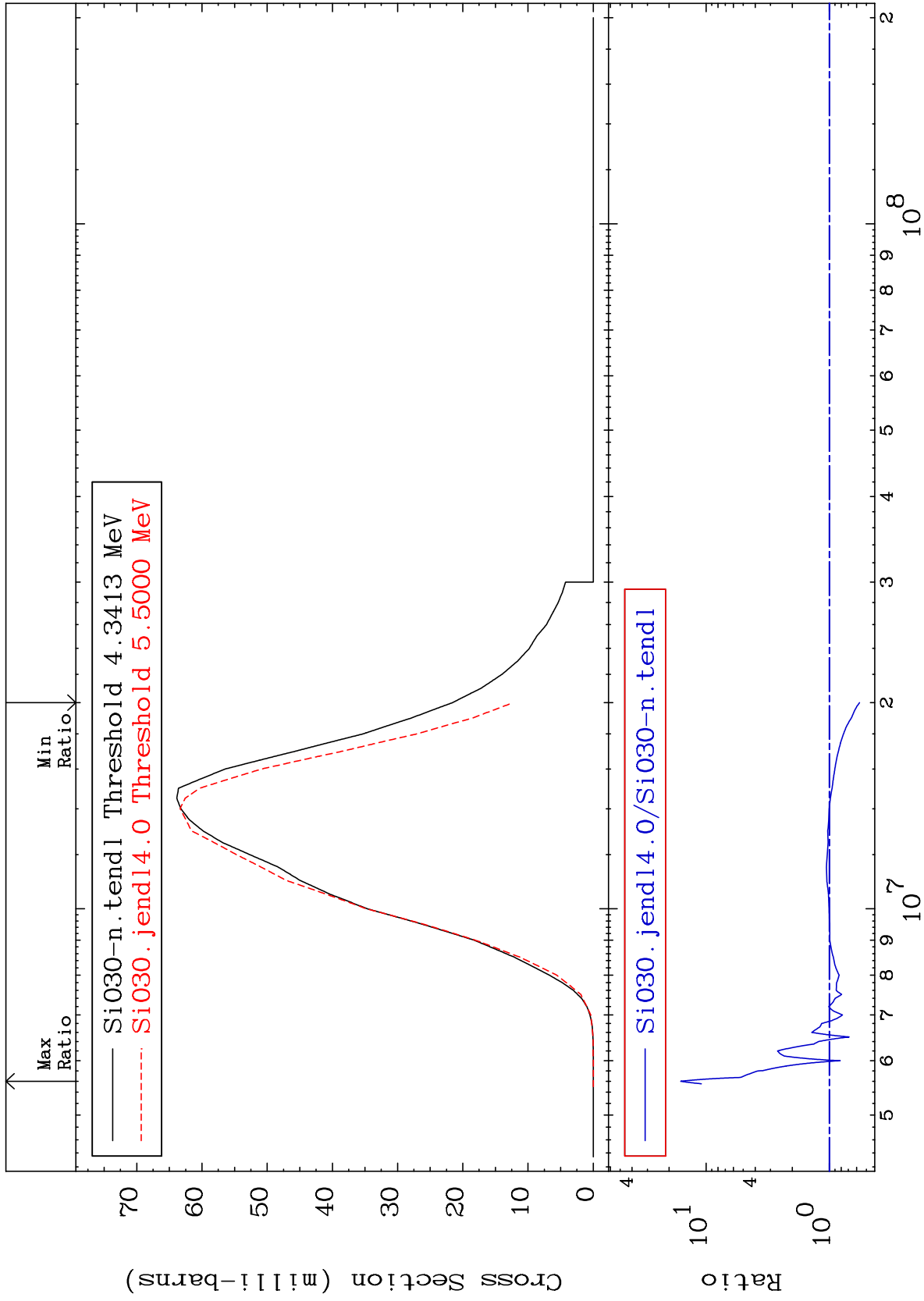
MAT 1431

(n, α)

14-Si-30

Cross Section

-43.21 To 1507. %



32

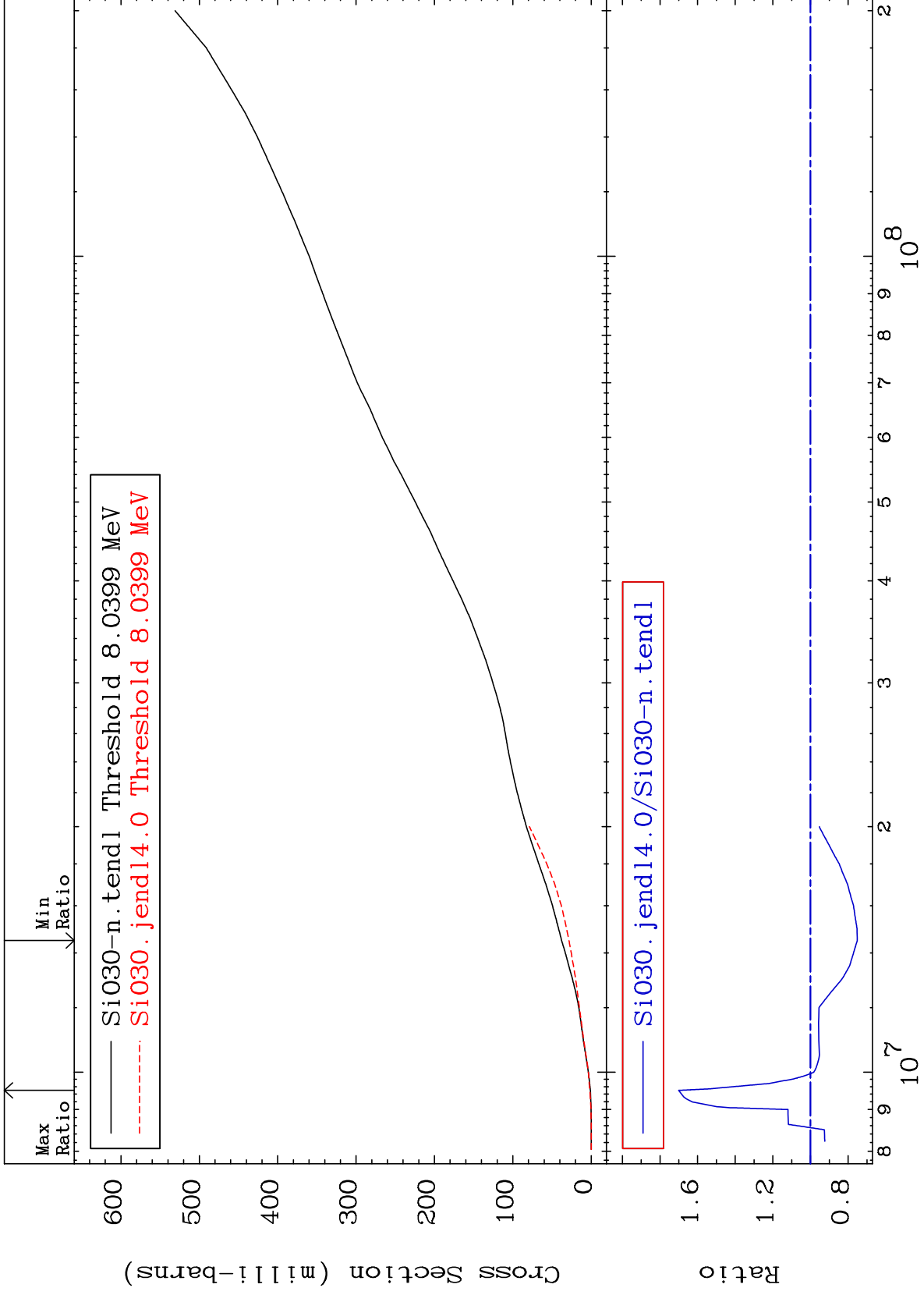
Incident Energy (eV)

14-Si-30

MAT 1431

Hydrogen Production
Cross Section

¹⁴Si-30
-24.83 To 70.08 %



33

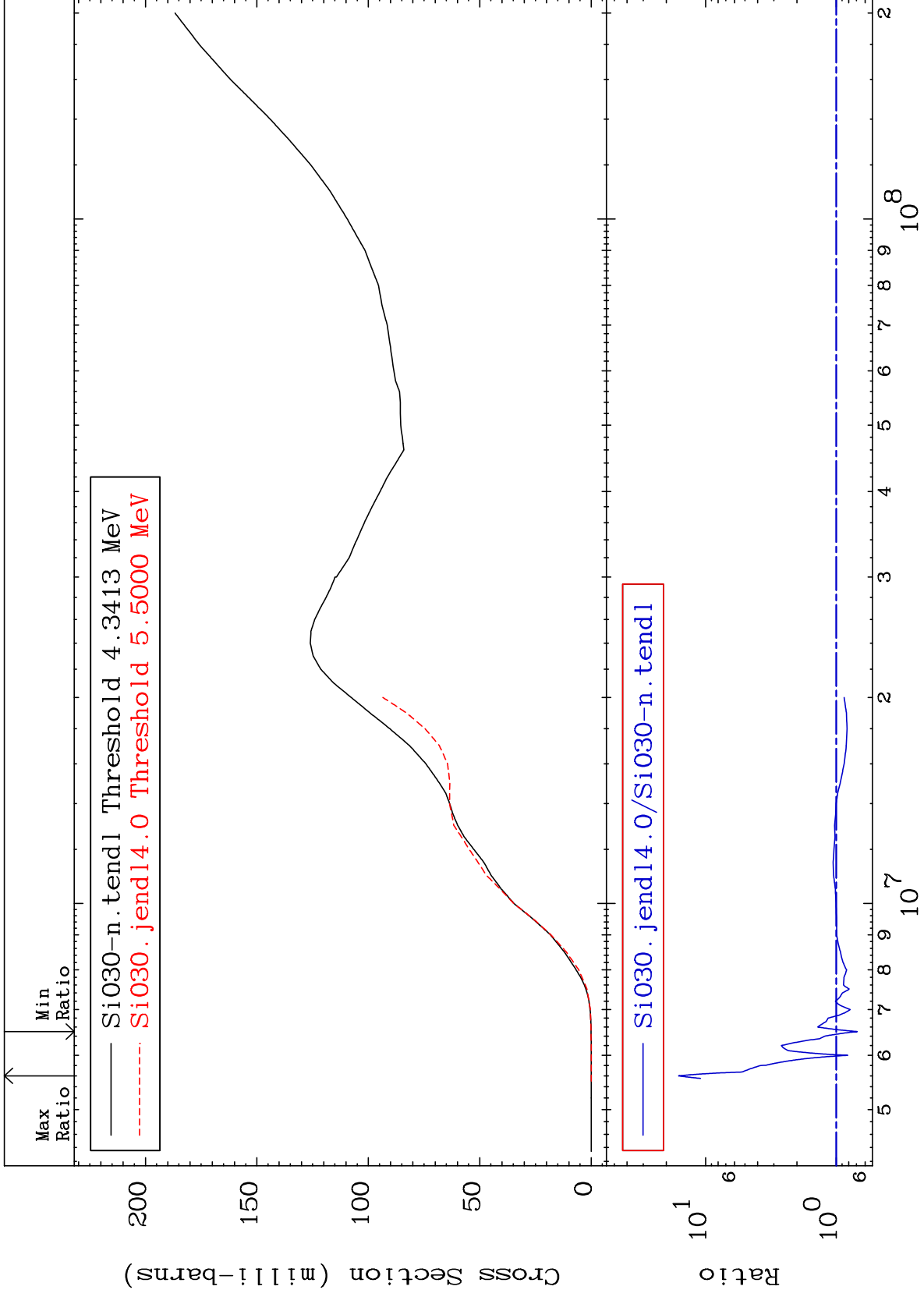
Incident Energy (eV)

¹⁴Si-30

MAT 1431

He-4 Production
Cross Section

14-Si-30
-31.07 To 1507. %



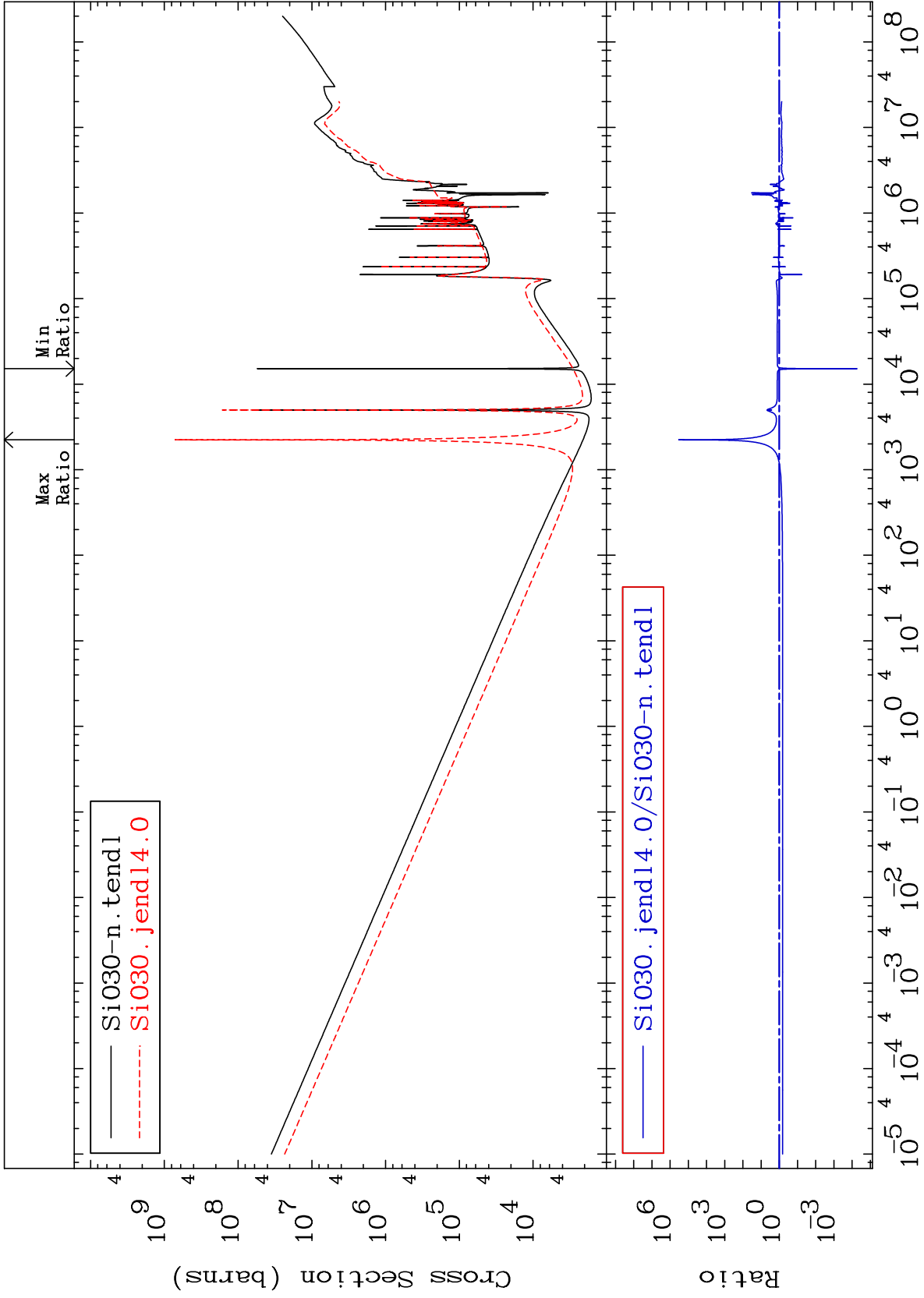
34

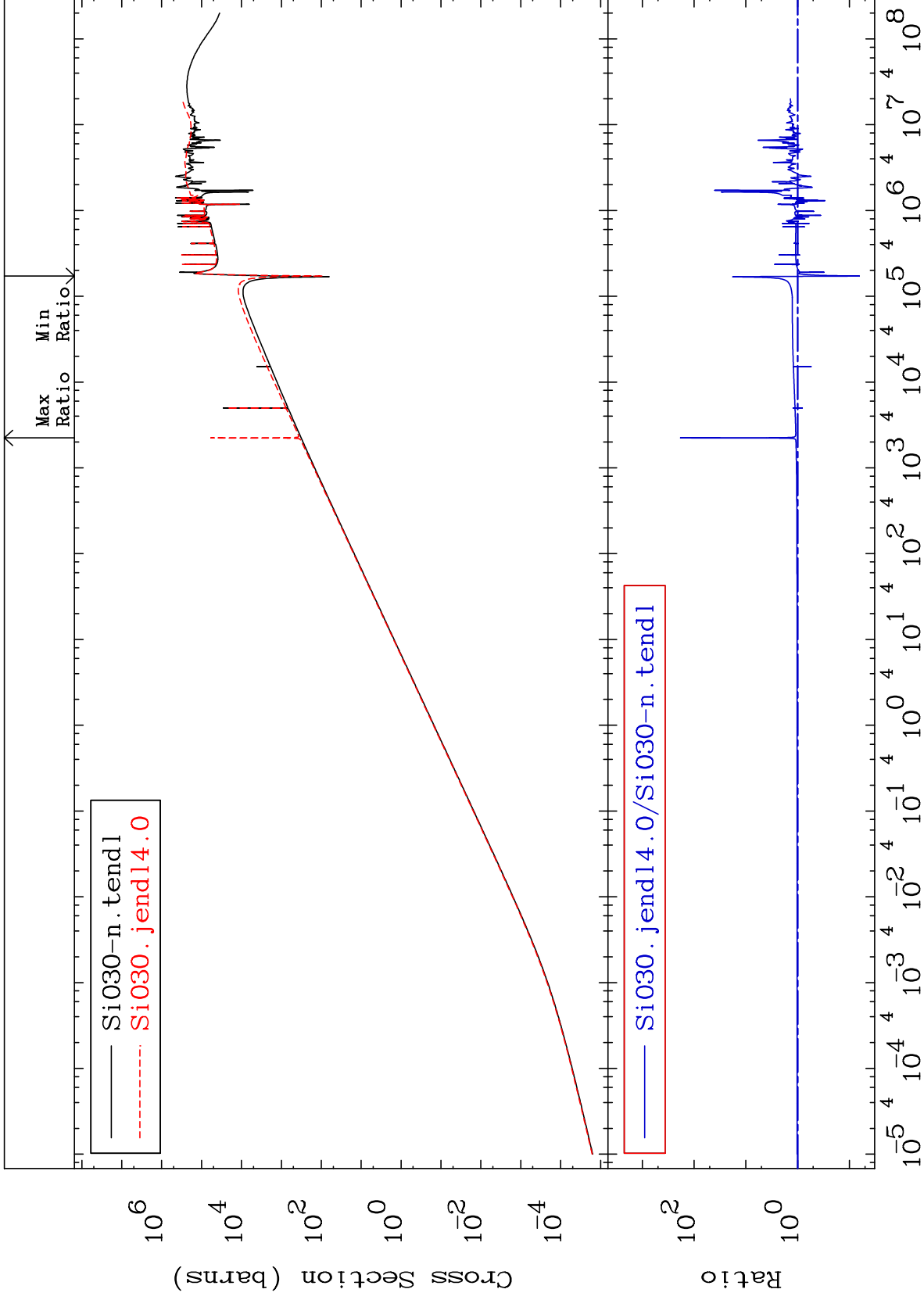
Incident Energy (eV)

14-Si-30

Cross Section

-99.99 To 9999. %

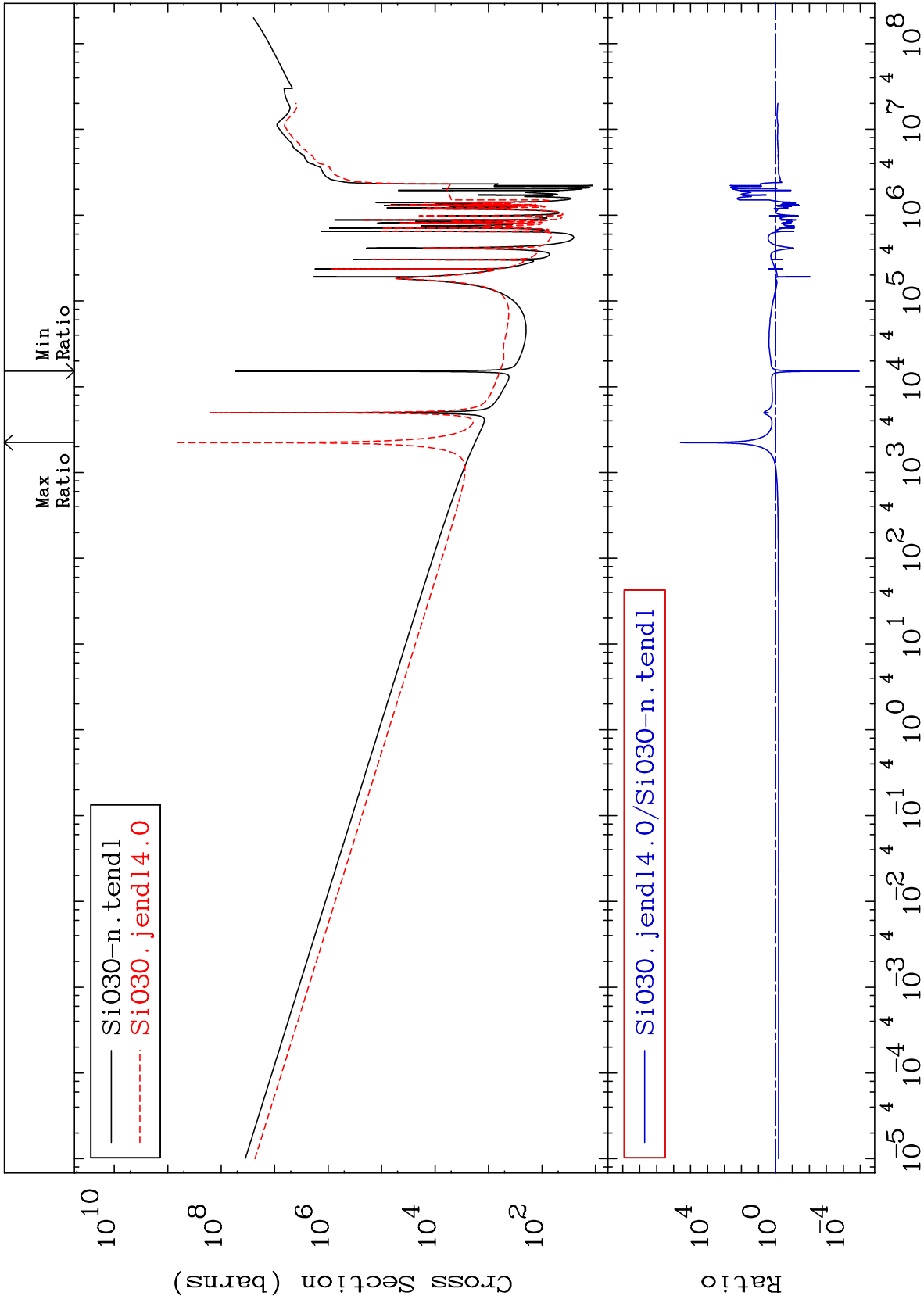


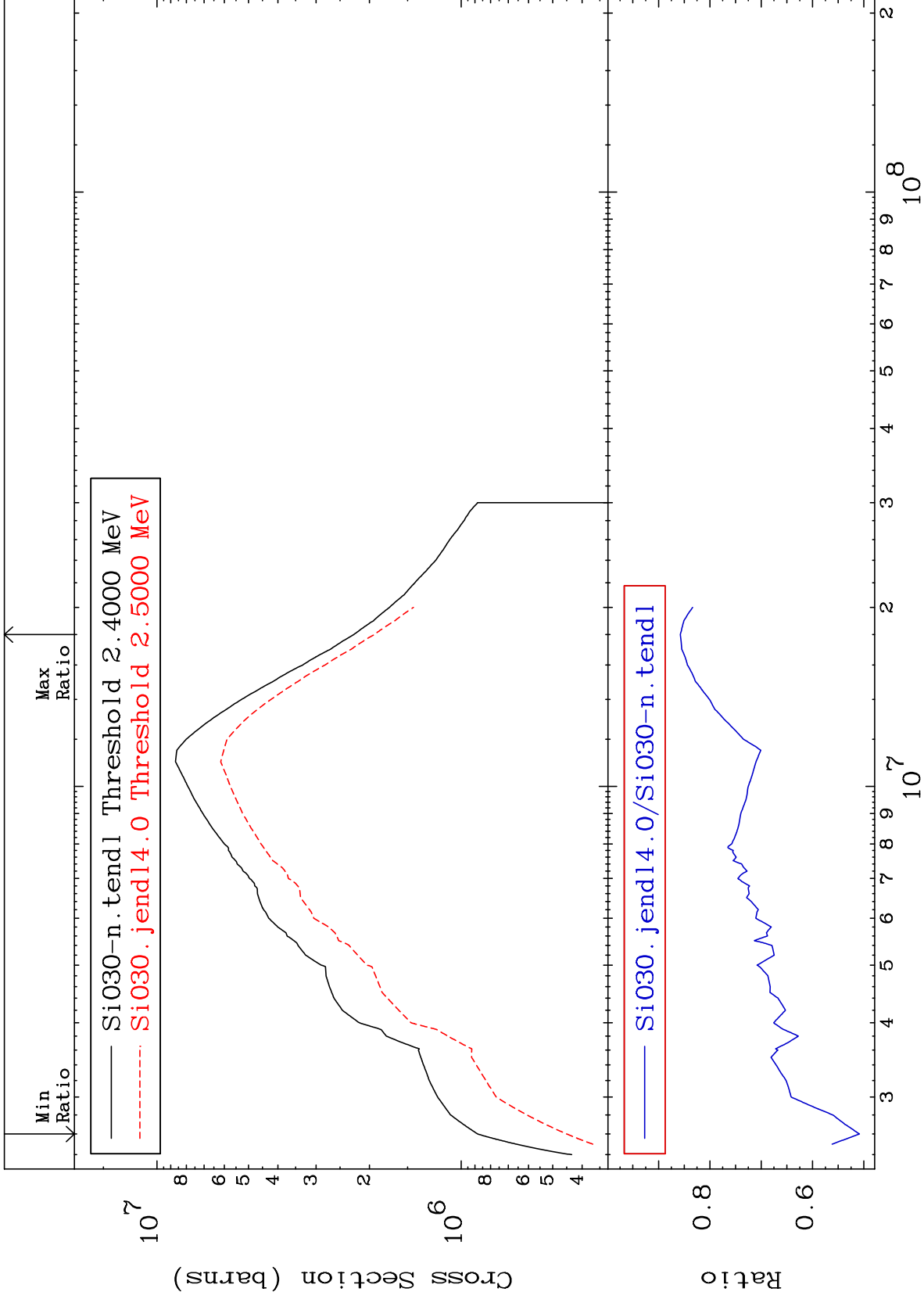


MAT 1431

Kerma non-elastic (all but mt2)
Cross Section

14-Si-30
-100.0 To 9999. %

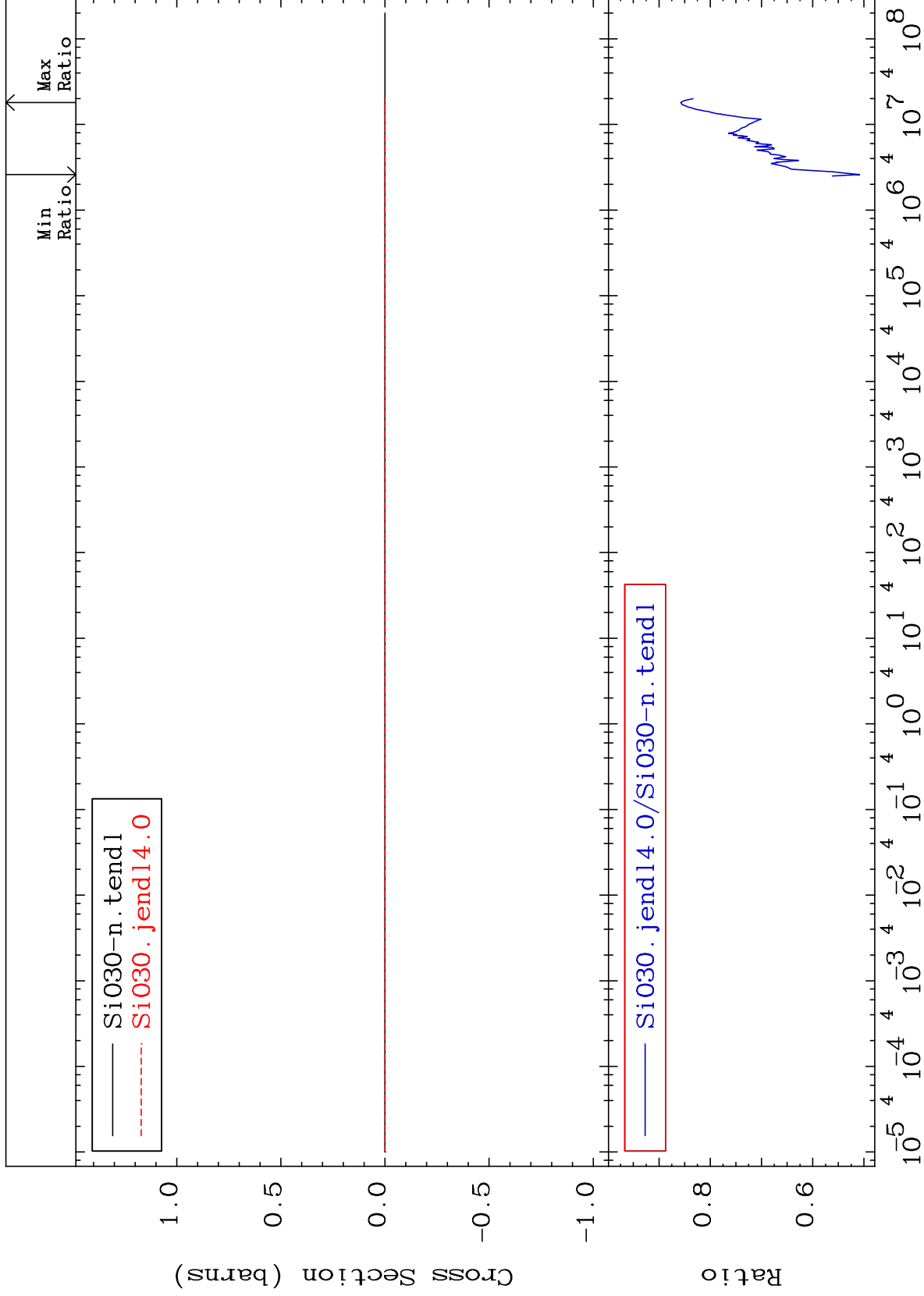




MAT 1431

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

14-Si-30
-49.13 To -14.25%



39

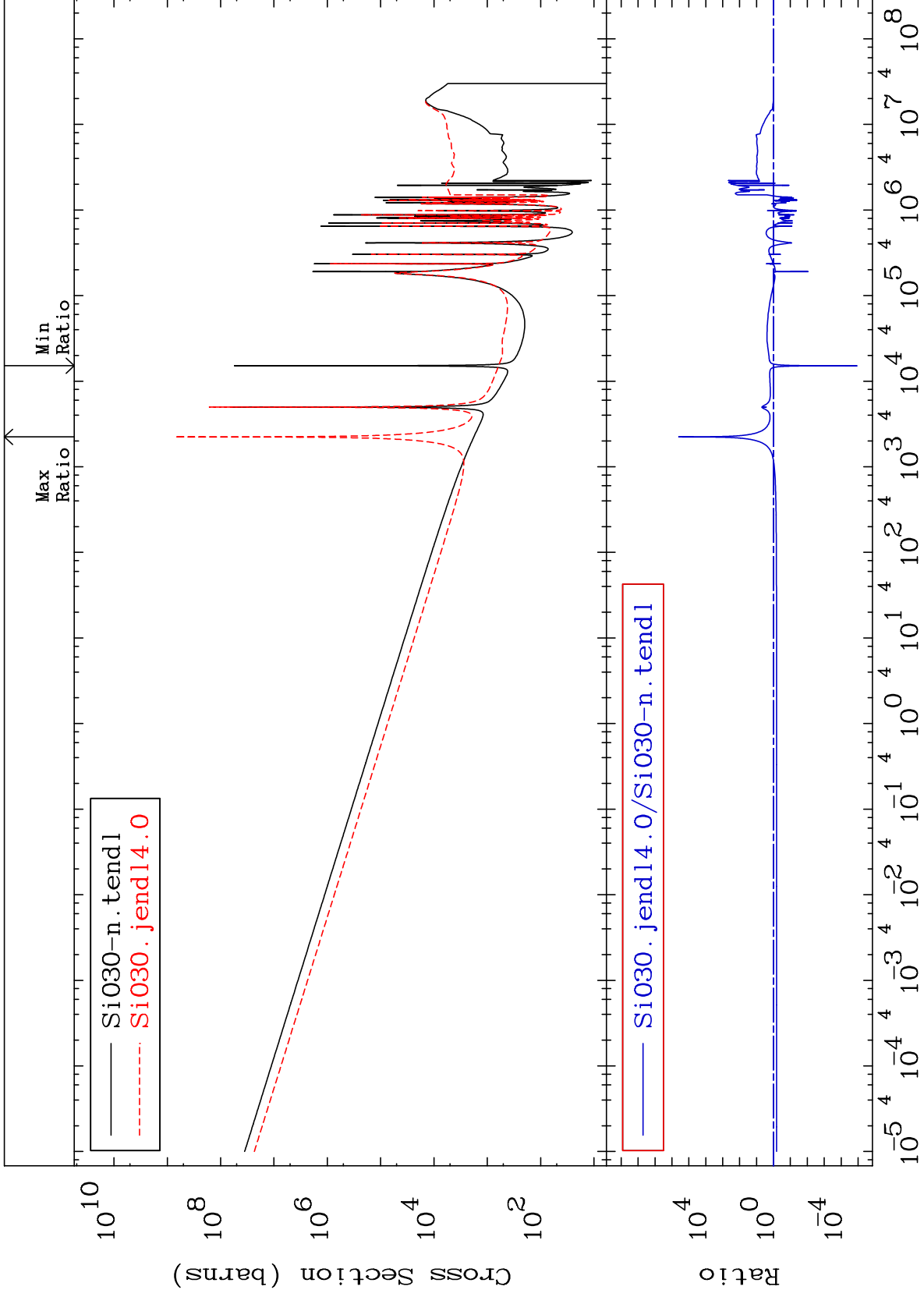
Incident Energy (eV)

14-Si-30

MAT 1431

Kerma capture (mt102)
Cross Section

14-Si-30
-100.0 To 9999. %



Incident Energy (eV)

14-Si-30

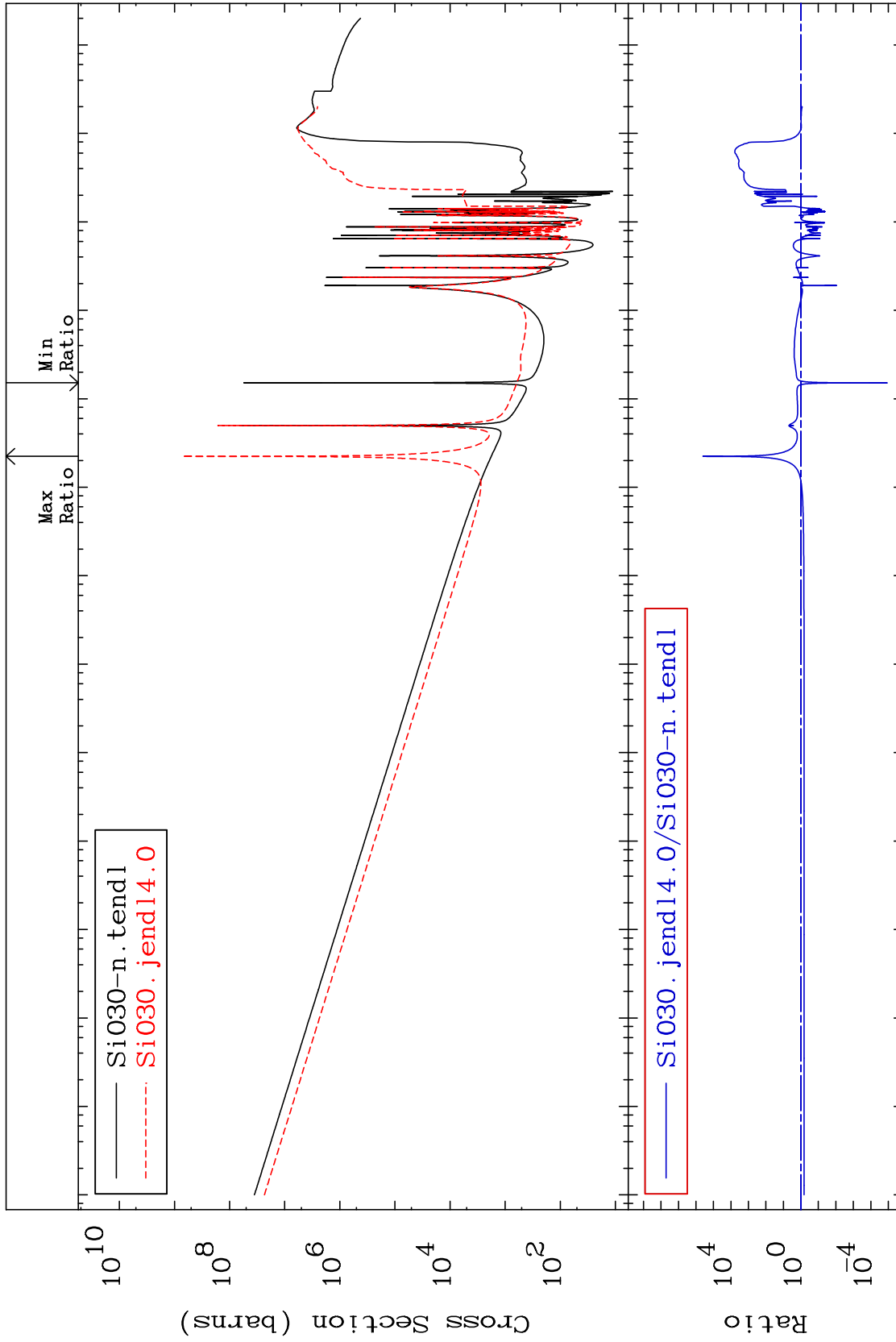
40

MAT 1431

Total photon (eV-barns)
Cross Section

14-Si-30

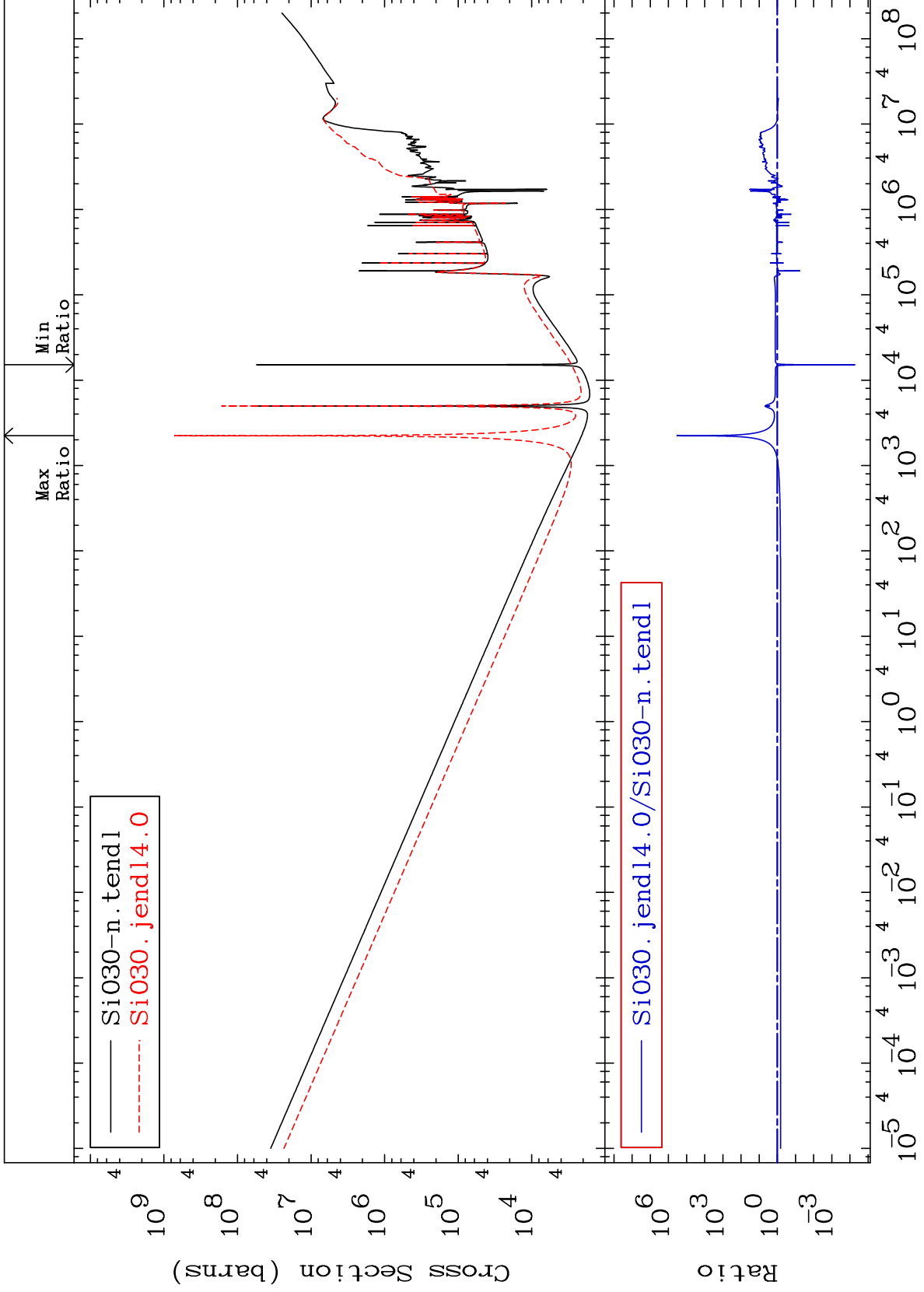
-100.0 To 9999. %



41

Incident Energy (eV)

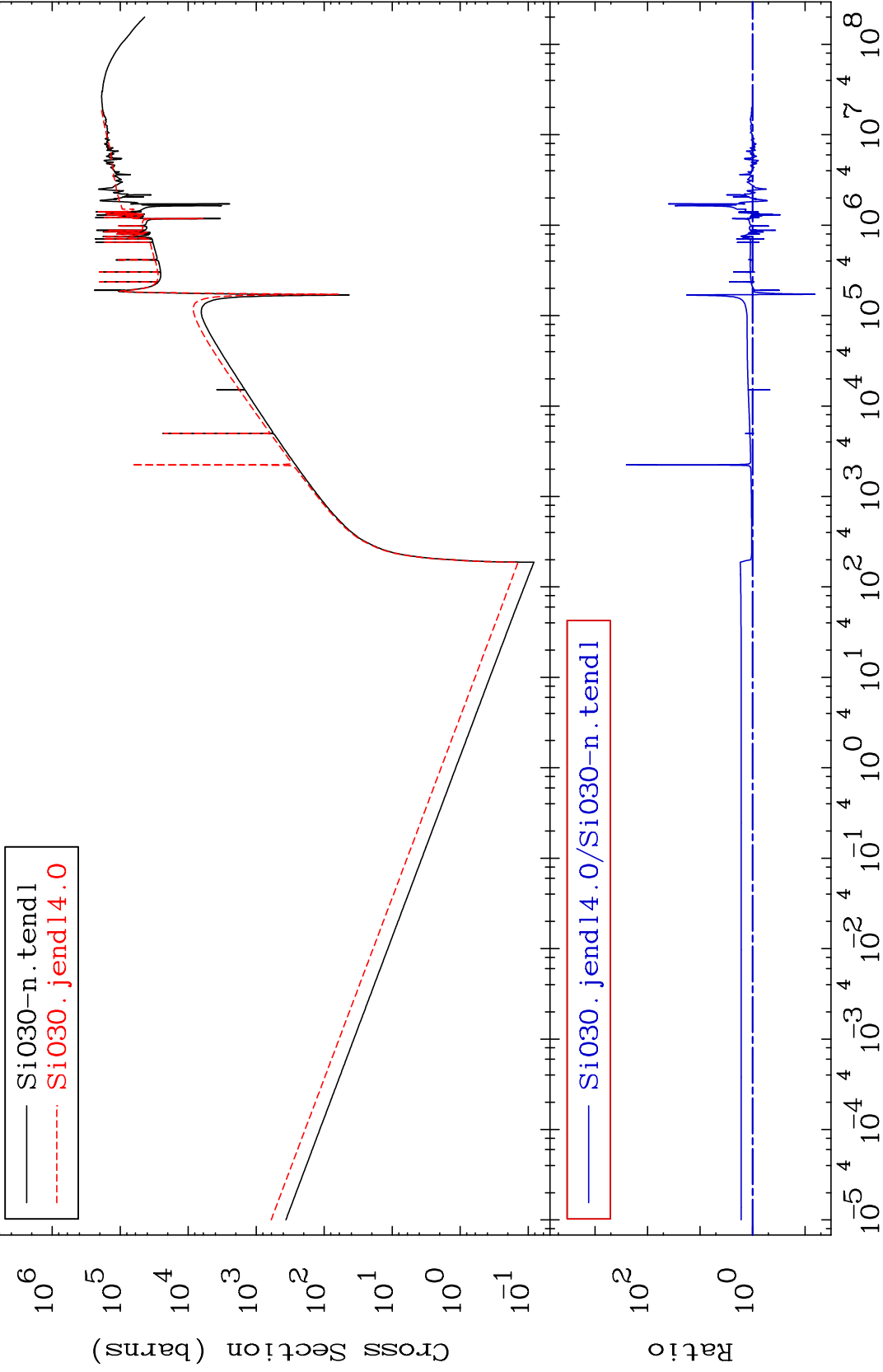
14-Si-30



MAT 1431

Dpa total (eV-barns)
Cross Section

14-Si-30
-93.52 To 9999. %



43

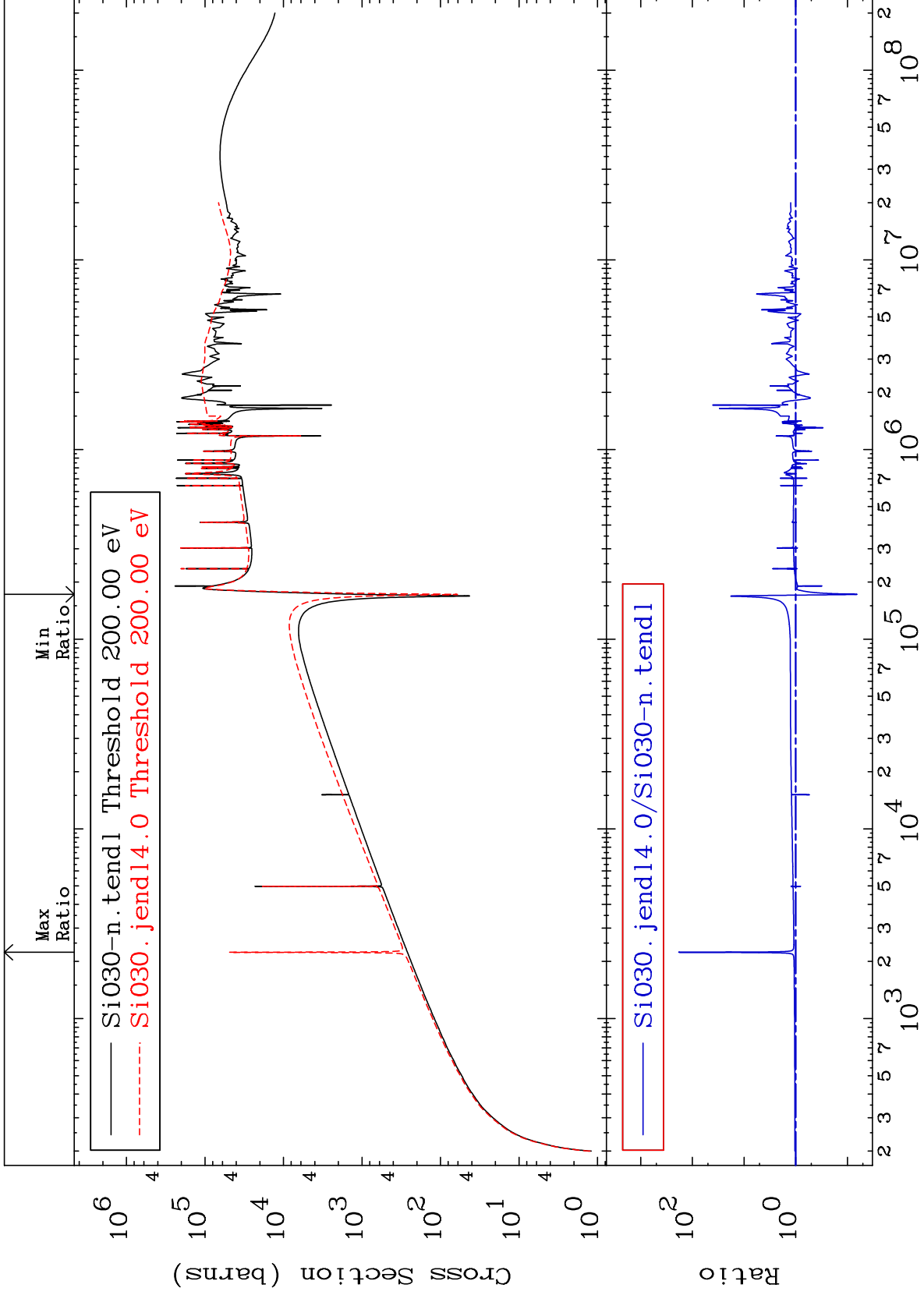
Incident Energy (eV)

14-Si-30

MAT 1431

Dpa elastic (mt2)
Cross Section

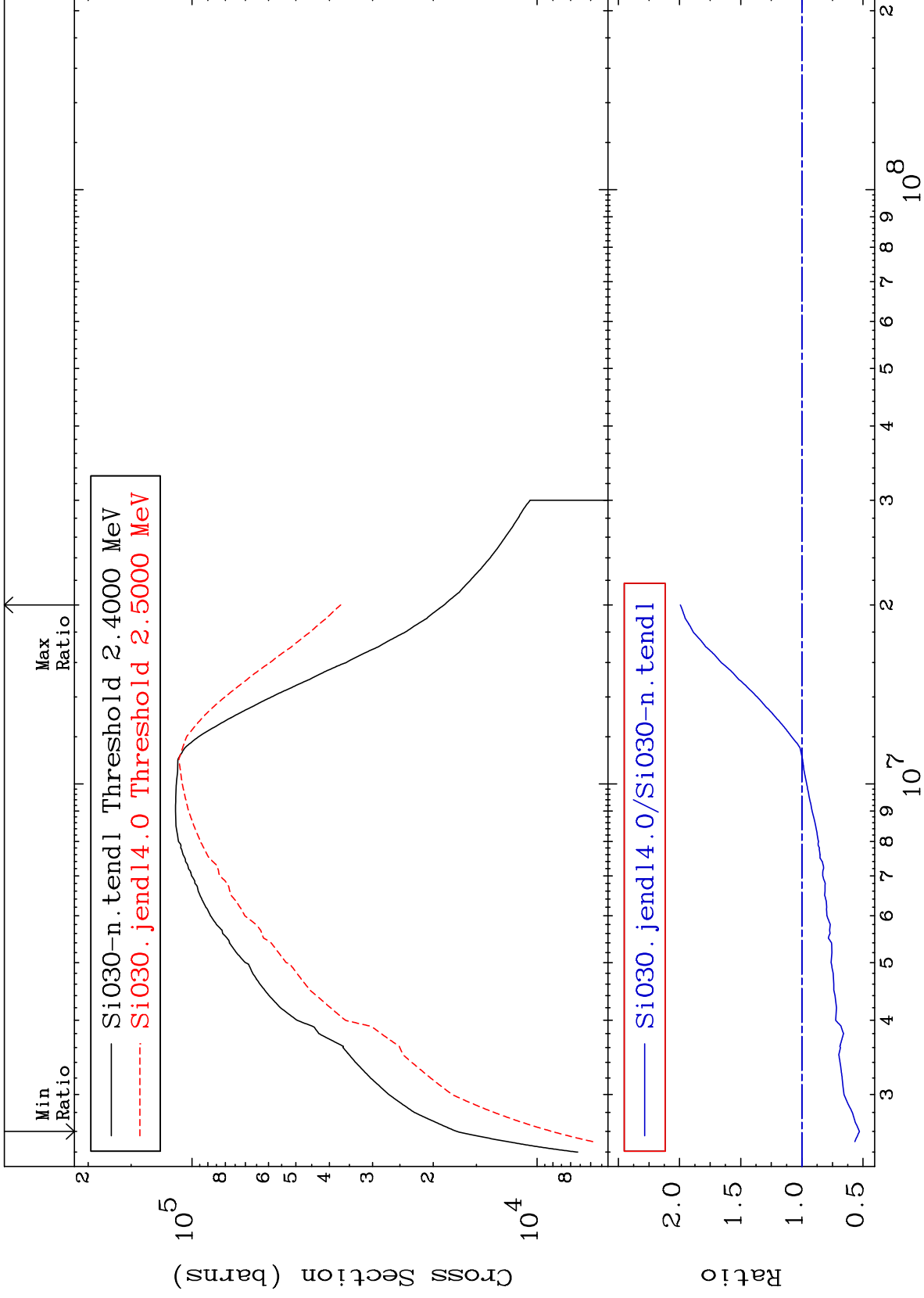
14-Si-30
-93.56 To 9999. %



MAT 1431

Dpa inelastic (mt51-91)
Cross Section

14-Si-30
-47.07 To 99.34 %



45

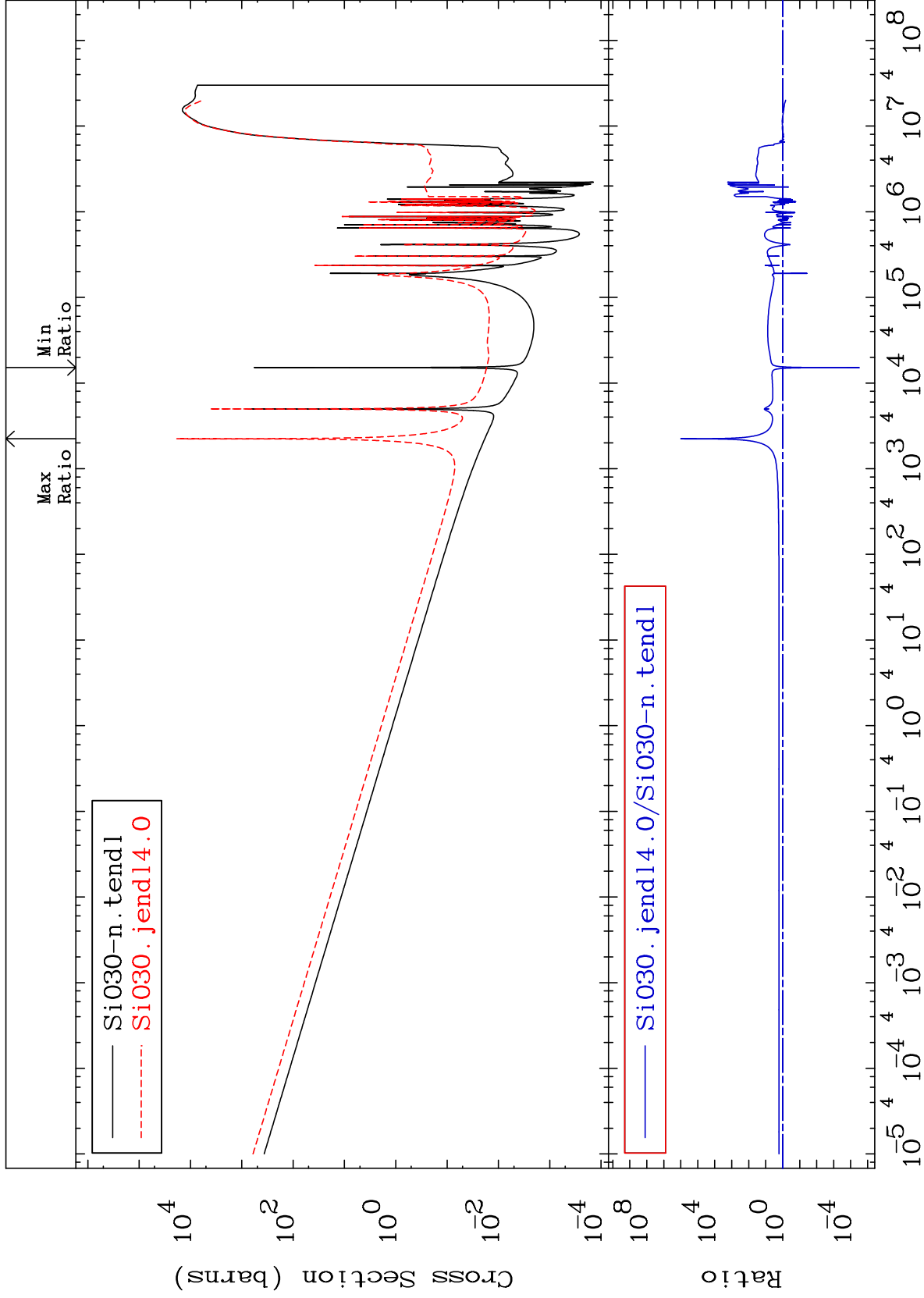
Incident Energy (eV)

14-Si-30

MAT 1431

Dpa disappearance (mt102 -120)
Cross Section

14-Si-30
-100.0 To 9999. %



46

Incident Energy (eV)

14-Si-30