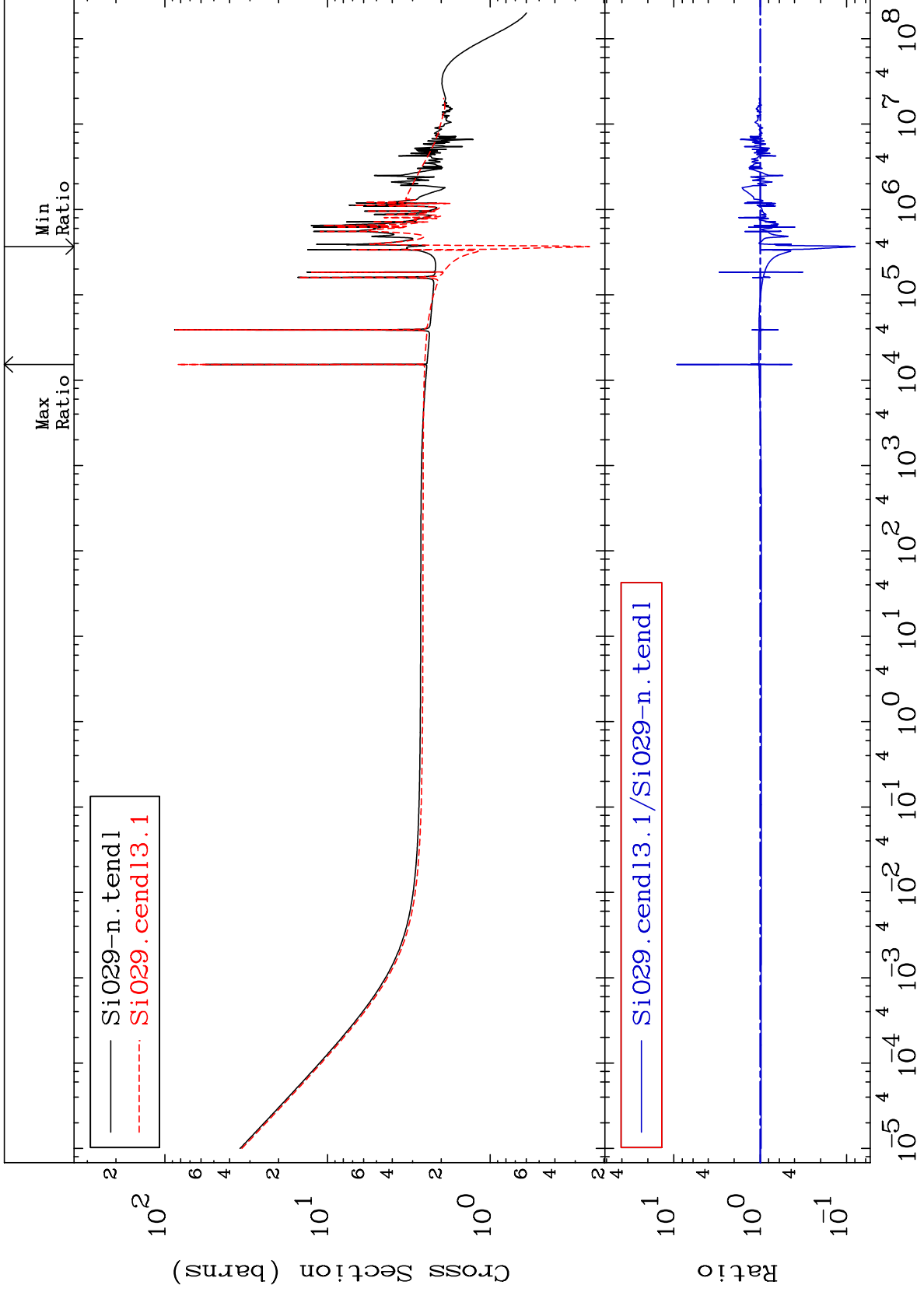


MAT 1428

Total
Cross Section

14-Si-29
-92.03 To 821.3 %



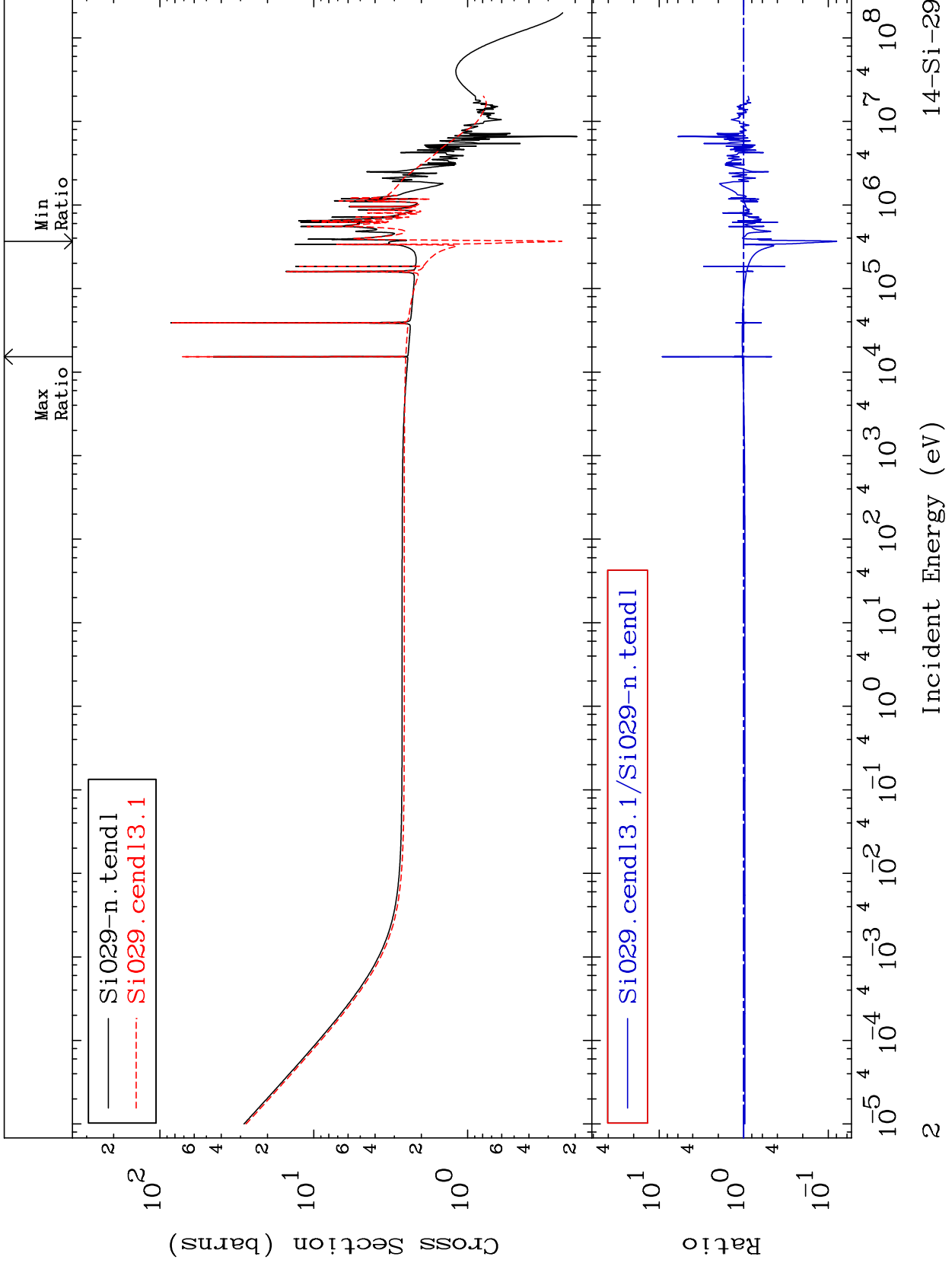
Incident Energy (eV)

14-Si-29

MAT 1428

Elastic
Cross Section

14-Si-29
-92.05 To 816.8 %

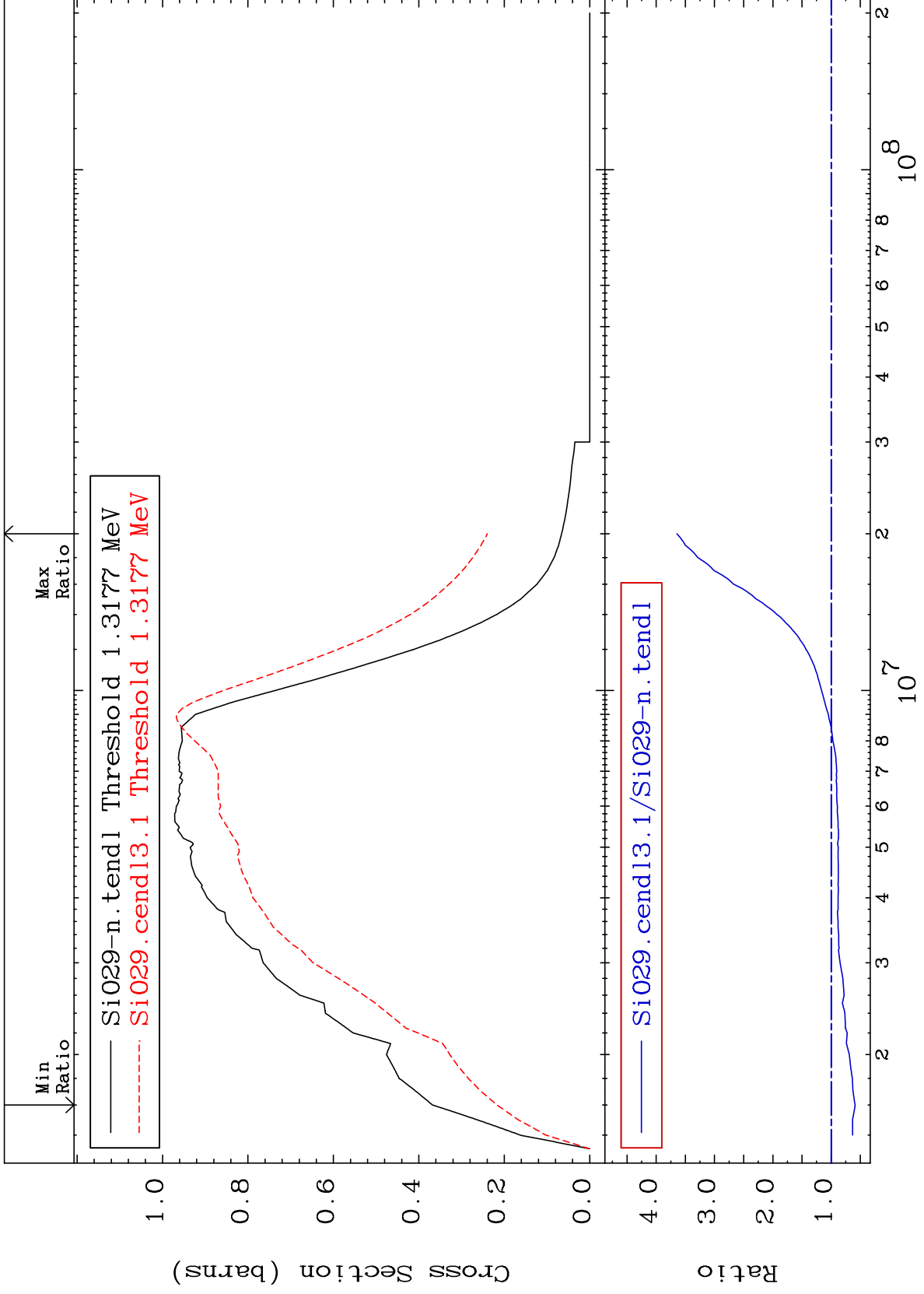


14-Si-29

MAT 1428

Inelastic
Cross Section

14-Si-29
-41.00 To 264.5 %



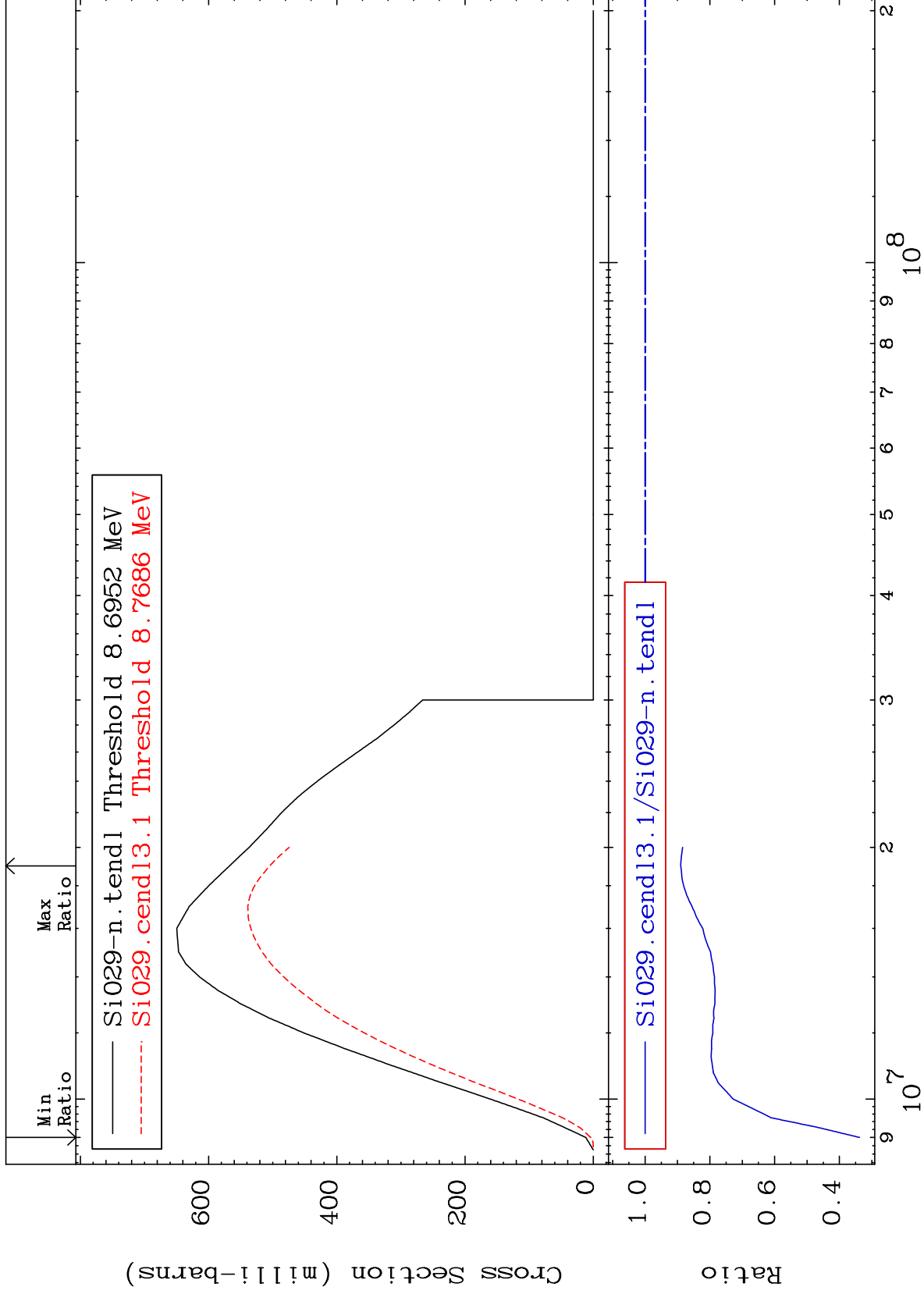
MAT 1428

(n,2n)

14-Si-29

Cross Section

-66.21 To -11.01%

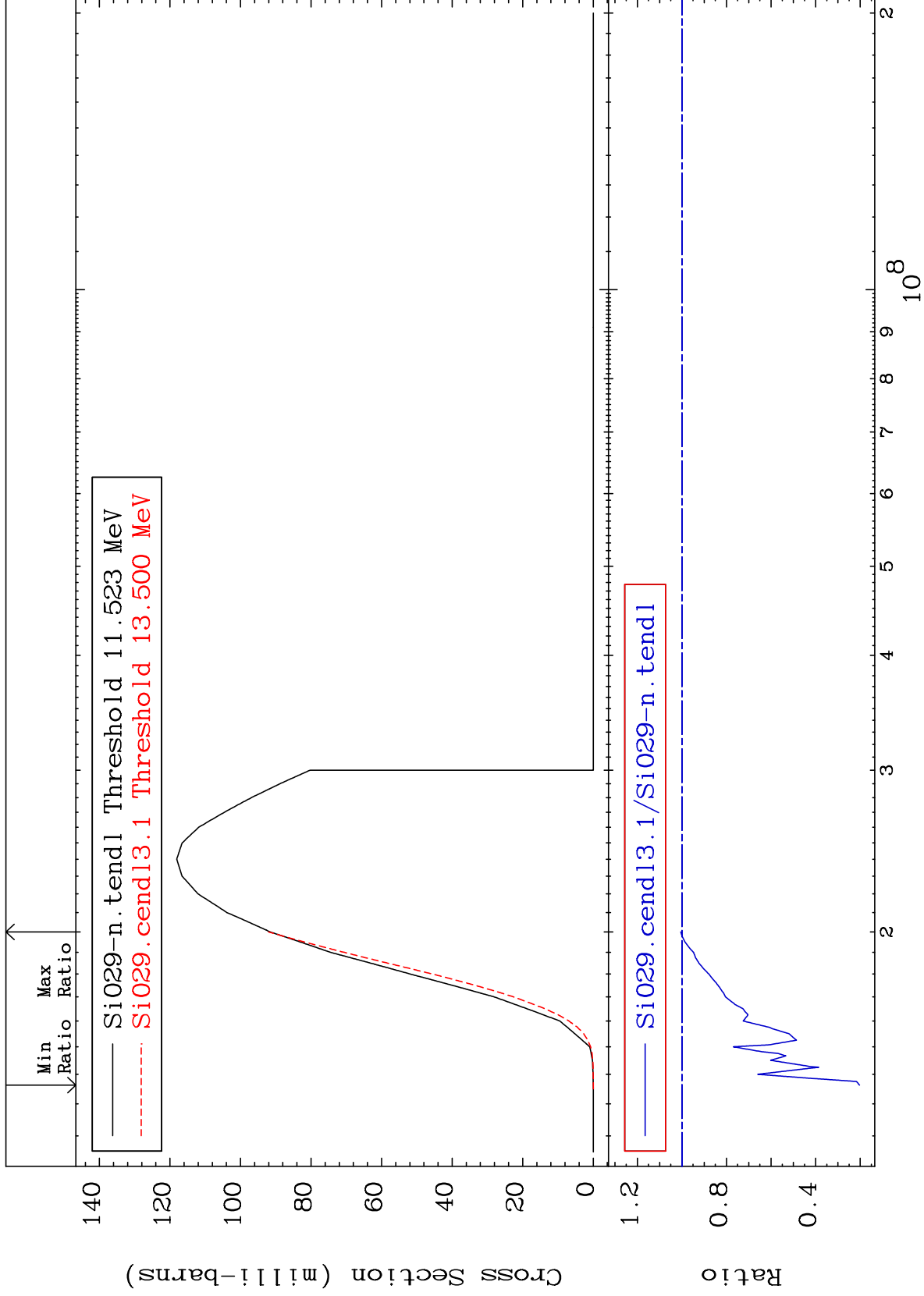


14-Si-29

MAT 1428

(n, n') α
Cross Section

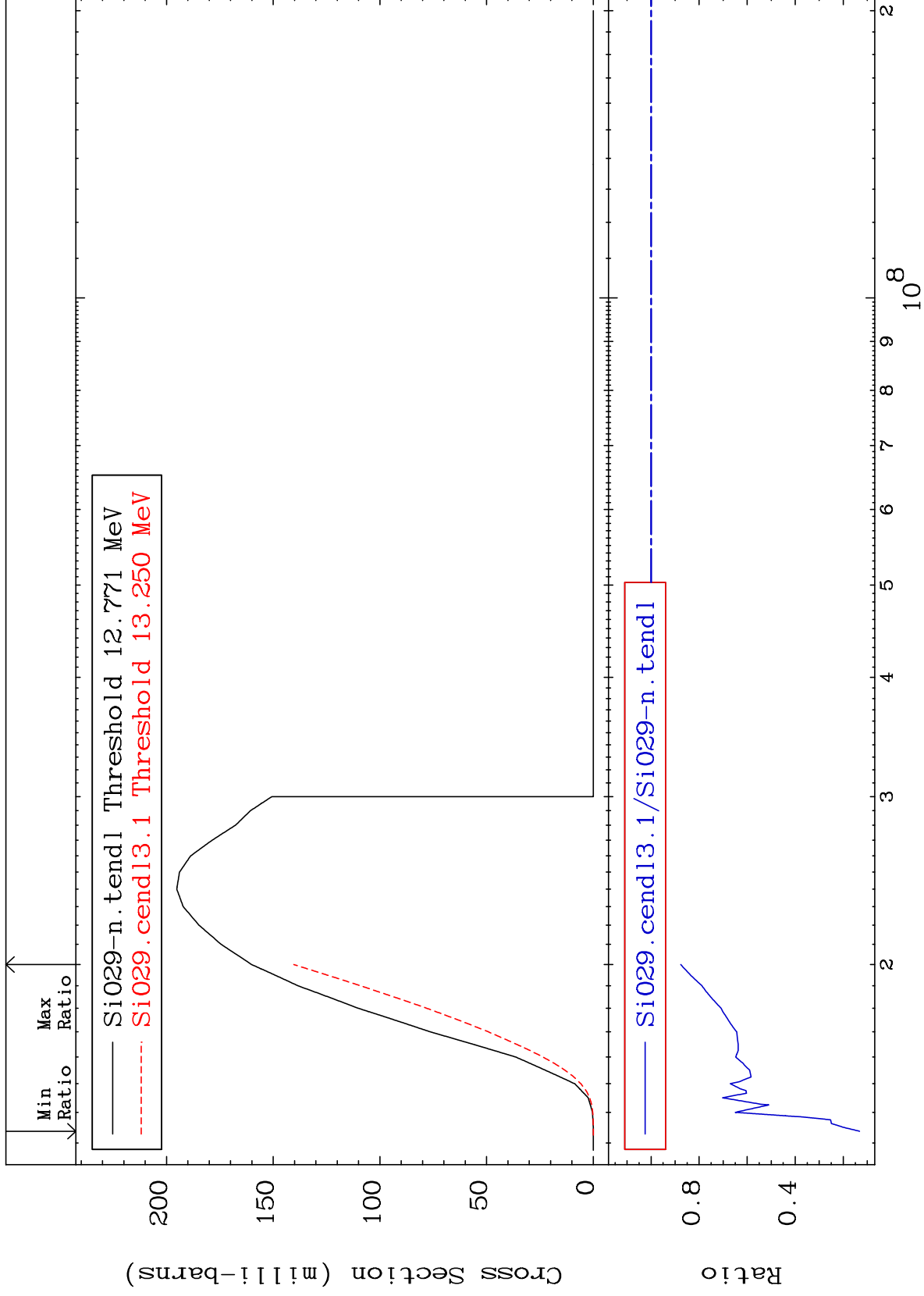
14-Si-29
-79.69 To 0.512 %



MAT 1428

(n, n') p
Cross Section

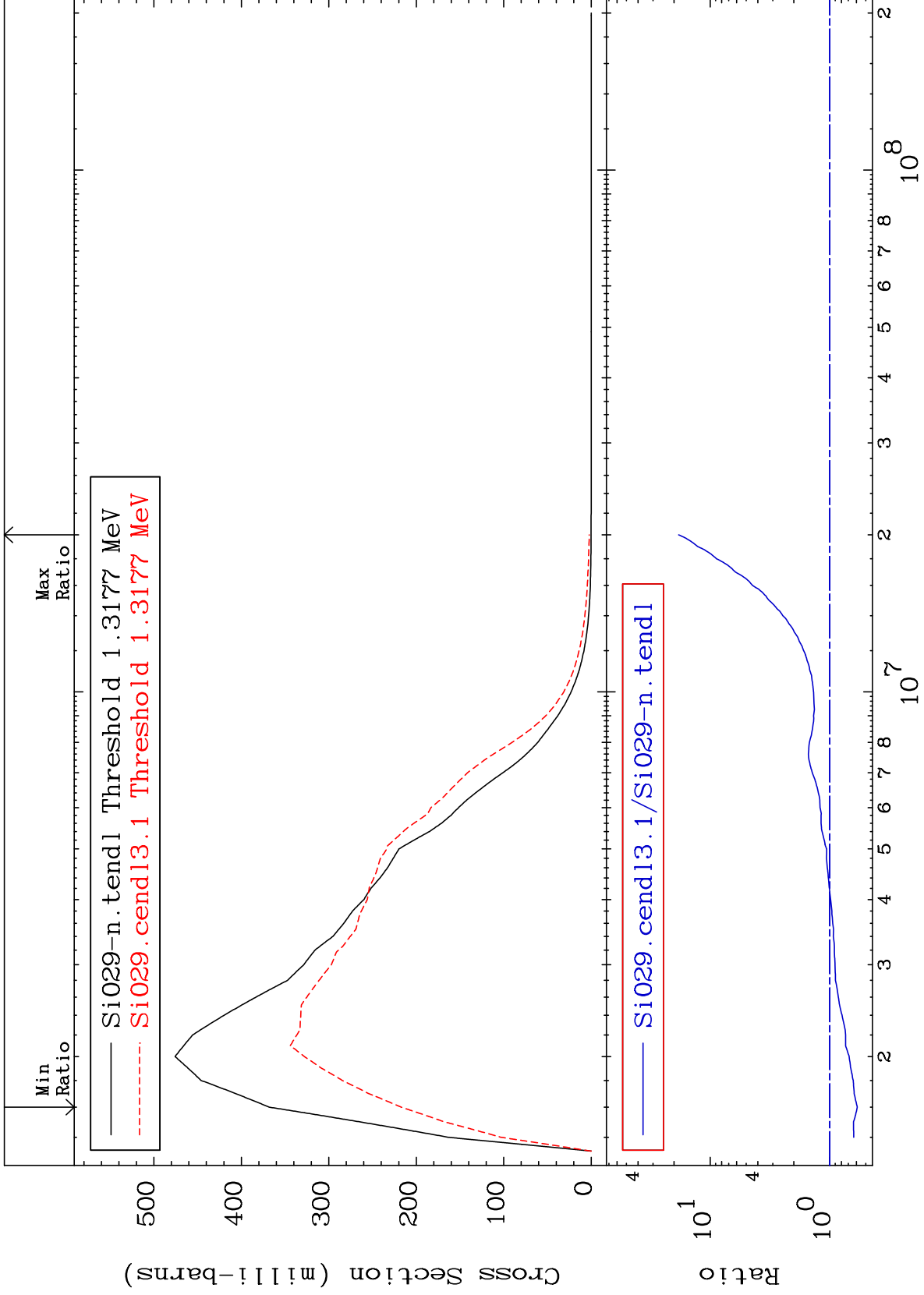
¹⁴Si-29
-86.78 To -12.36%



MAT 1428

1.273 MeV (n,n') Level
Cross Section

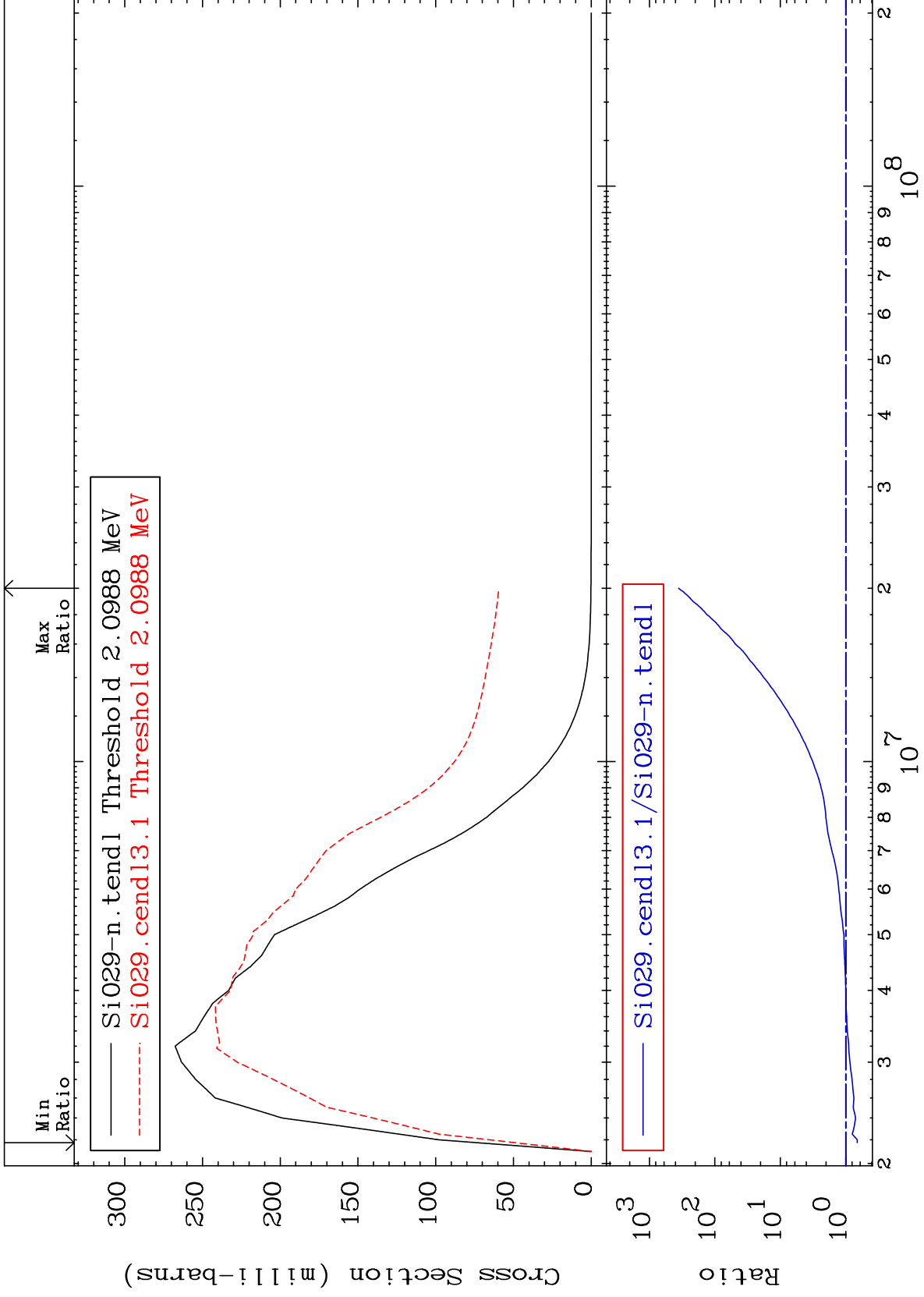
14-Si-29
-41.00 To 1733. %



MAT 1428

2.028 MeV (n,n') Level
Cross Section

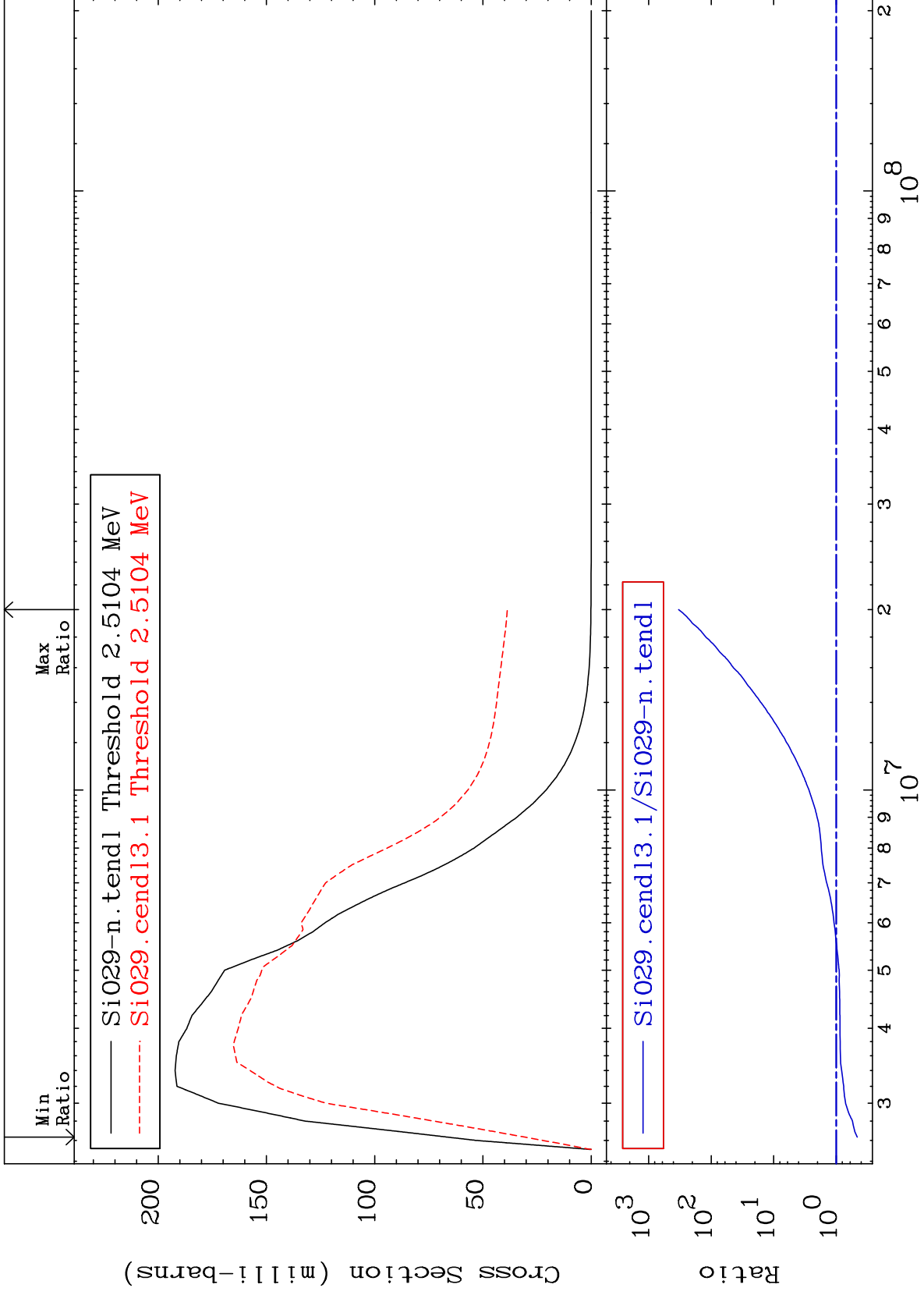
14-Si-29
-33.35 To 9999. %



MAT 1428

2.426 MeV (n,n') Level
Cross Section

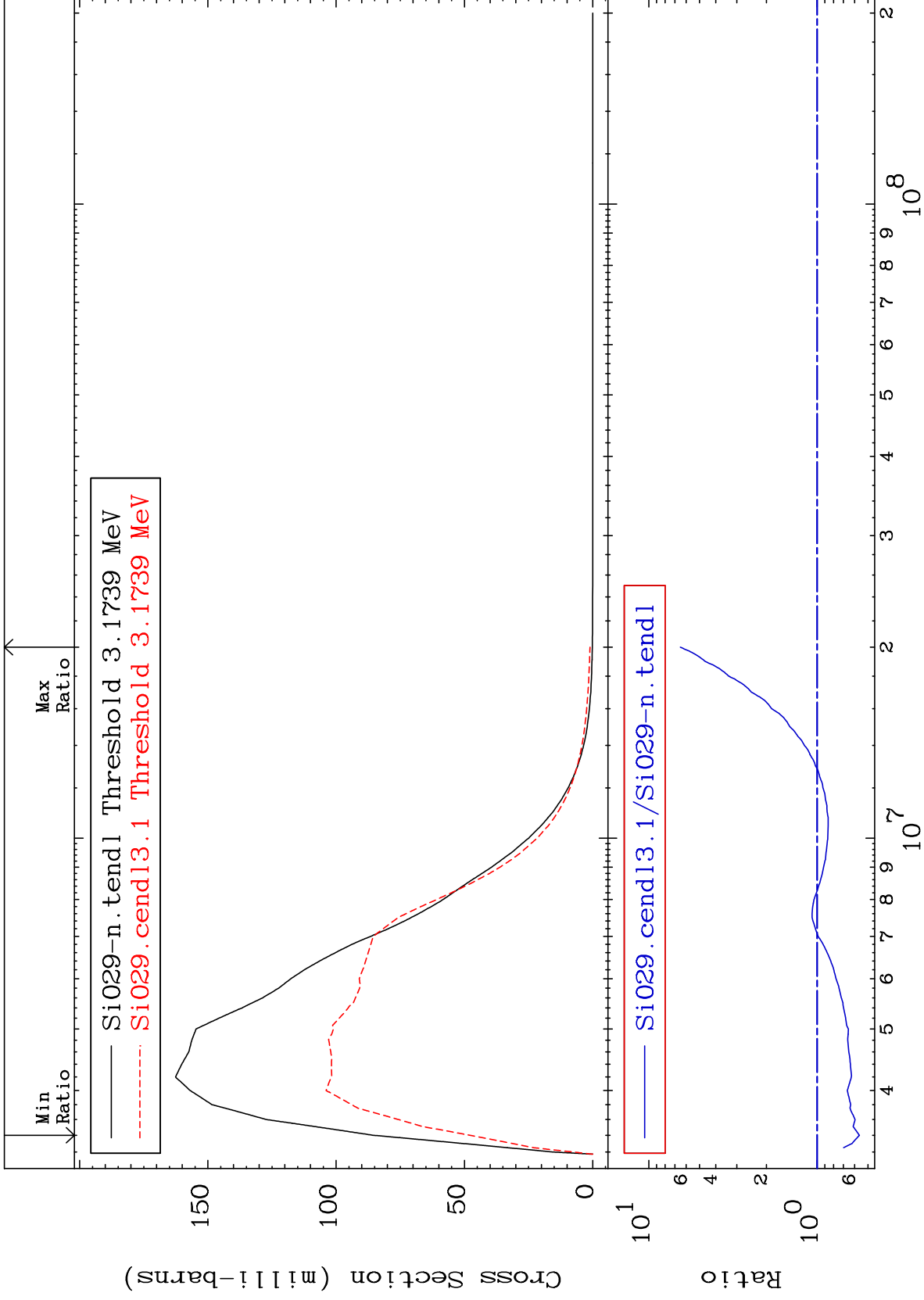
14-Si-29
-53.78 To 9999. %



MAT 1428

3.067 MeV (n,n') Level
Cross Section

14-Si-29
-43.86 To 549.1 %



10

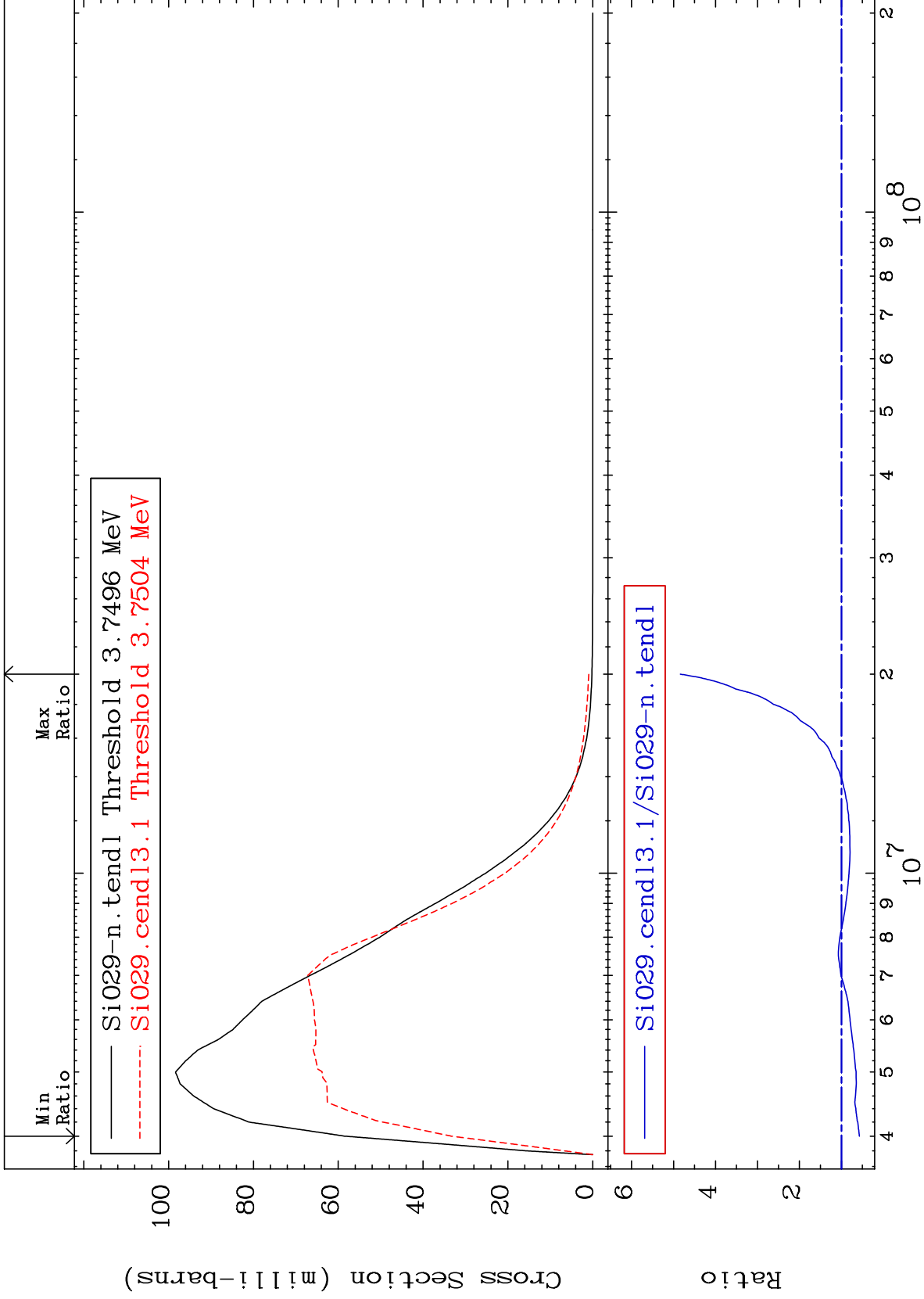
Incident Energy (eV)

14-Si-29

MAT 1428

3.623 MeV (n,n') Level
Cross Section

14-Si-29
-42.91 To 383.8 %



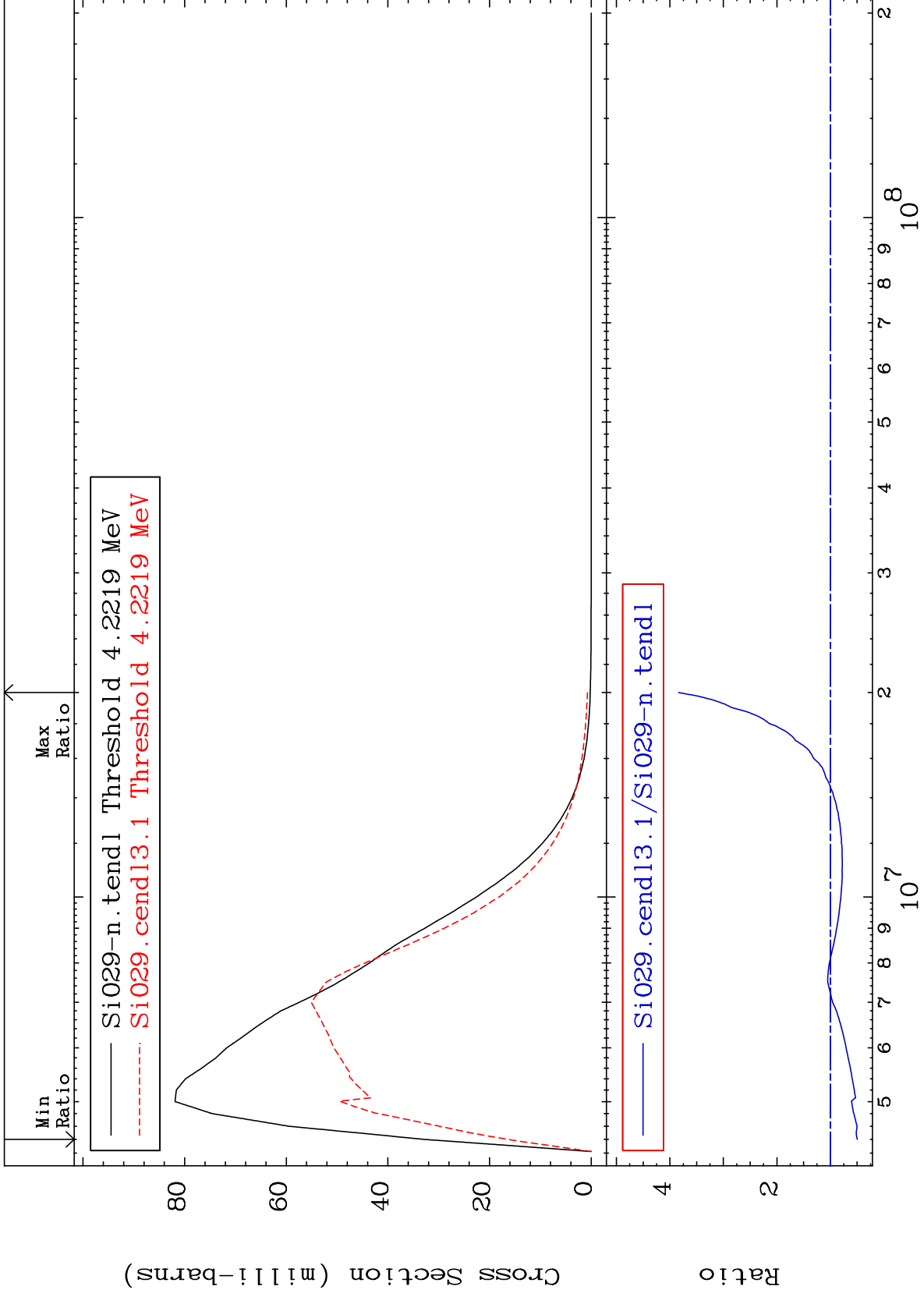
11

14-Si-29

MAT 1428

4.080 MeV (n,n') Level
Cross Section

14-Si-29
-50.26 To 283.7 %



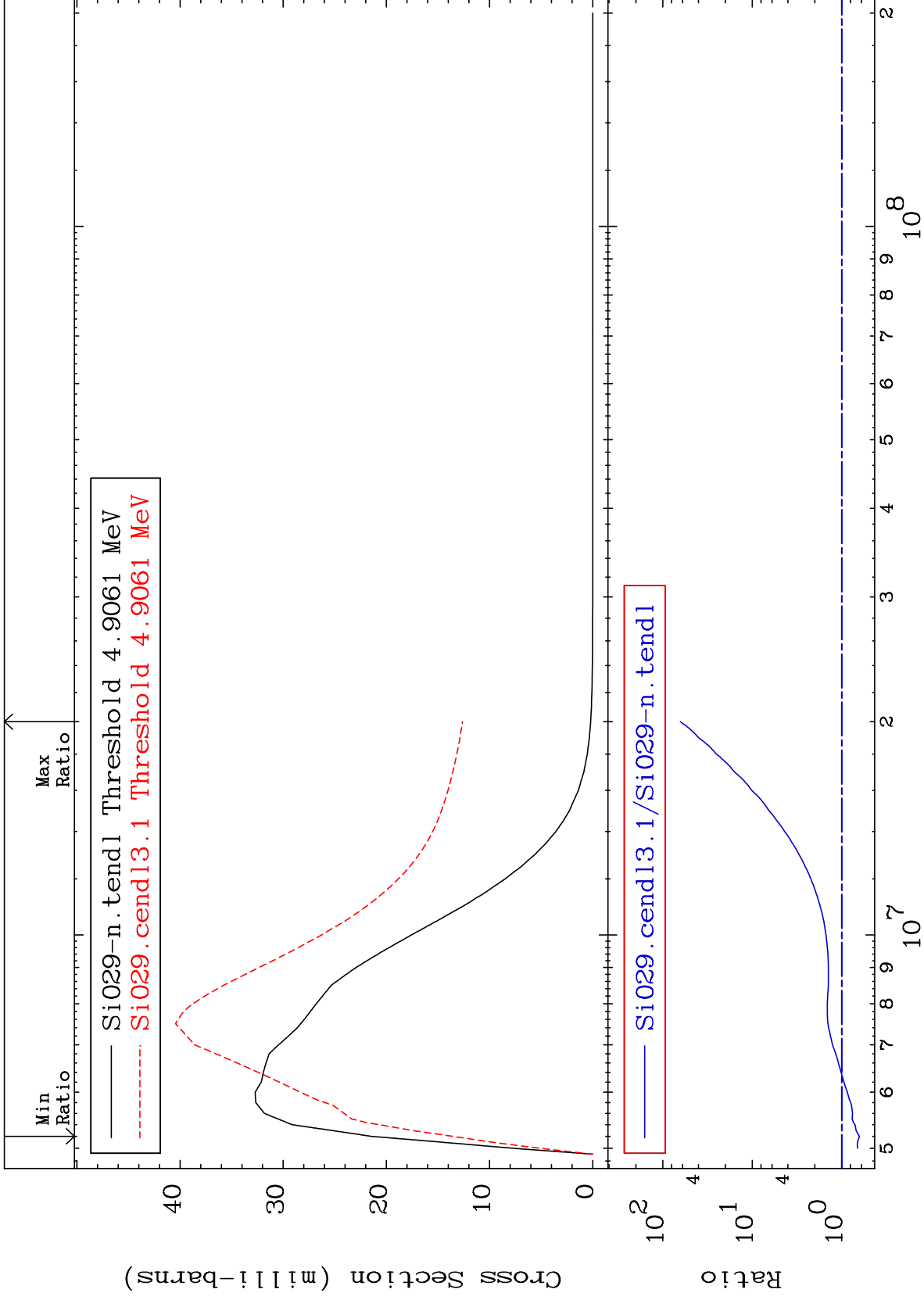
12

14-Si-29

MAT 1428

4.741 MeV (n,n') Level
Cross Section

14-Si-29
-36.63 To 6262. %



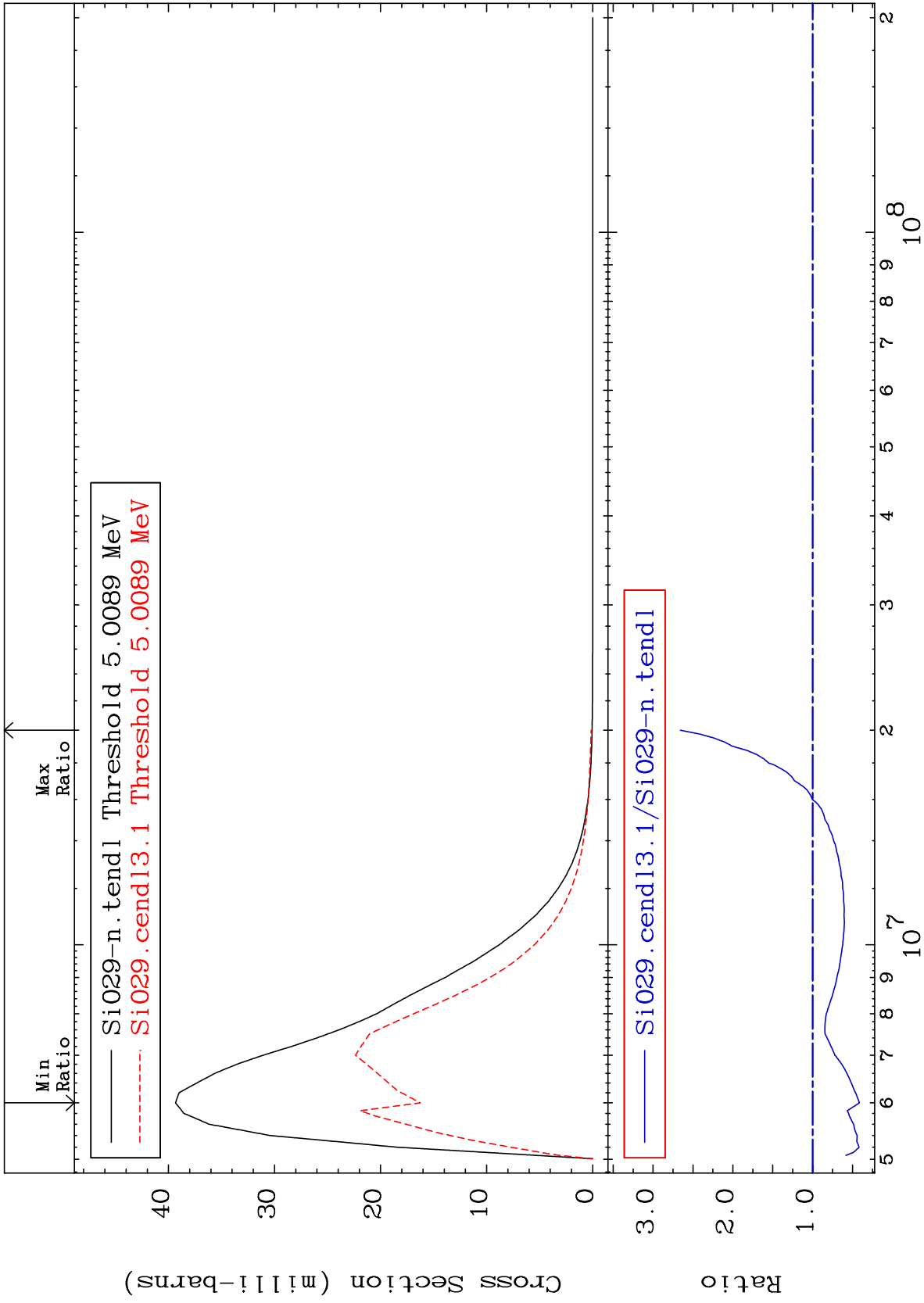
13

14-Si-29

MAT 1428

4.840 MeV (n,n') Level
Cross Section

14-Si-29
-58.67 To 165.8 %



14

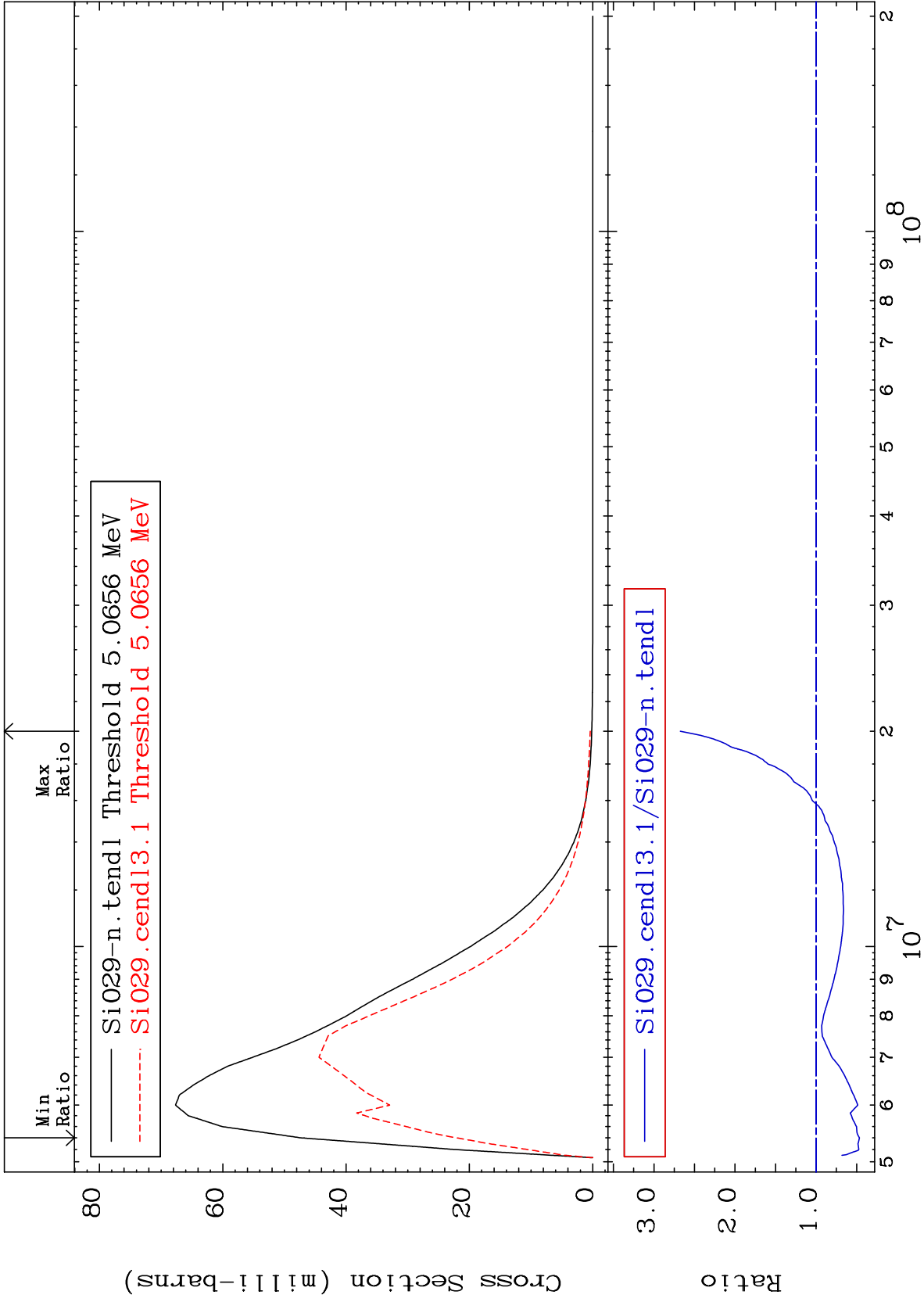
Incident Energy (eV)

14-Si-29

MAT 1428

4.895 MeV (n,n') Level
Cross Section

14-Si-29
-53.43 To 167.4 %



15

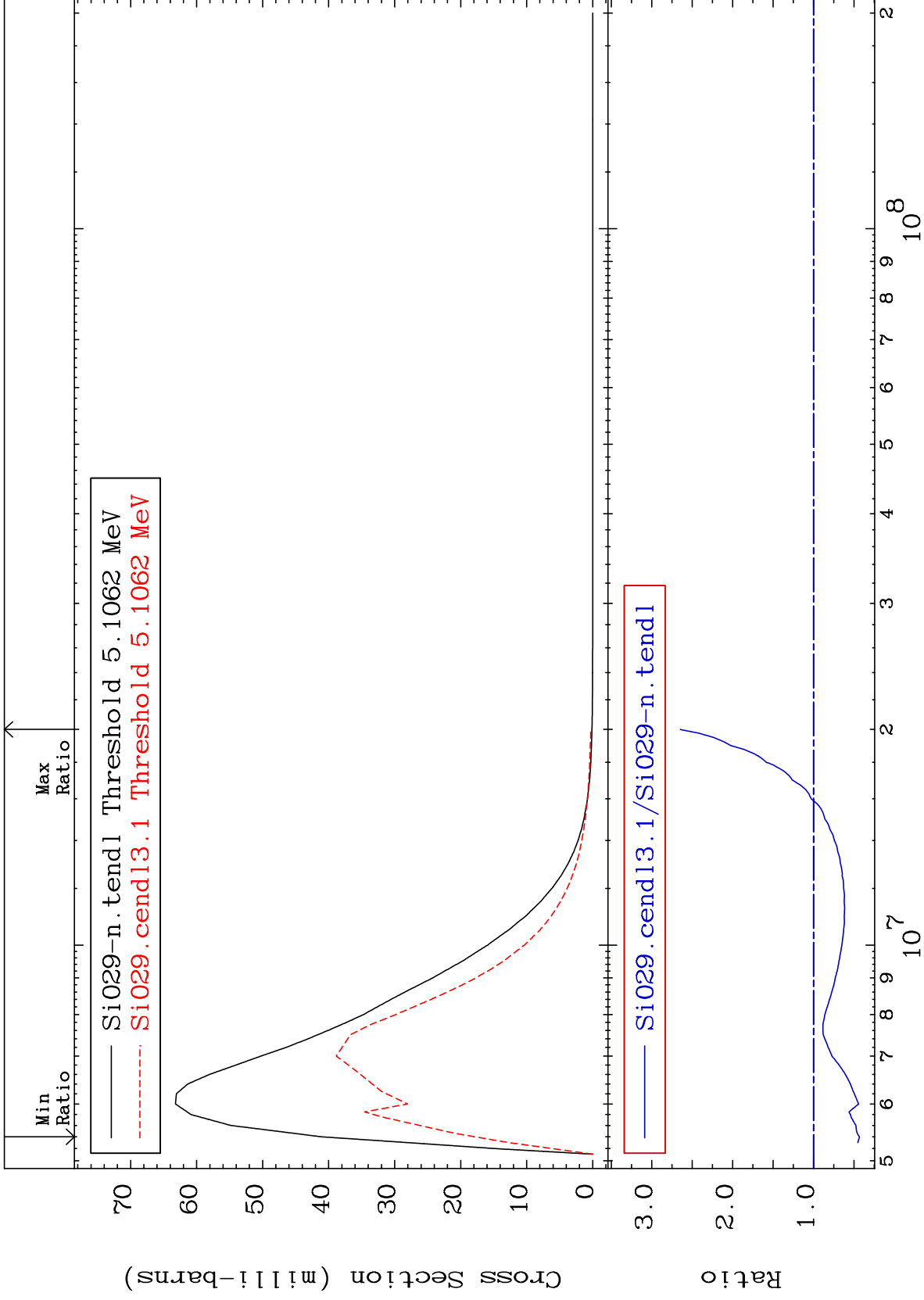
Incident Energy (eV)

14-Si-29

MAT 1428

4.934 MeV (n,n') Level
Cross Section

14-Si-29
-56.72 To 164.7 %



16

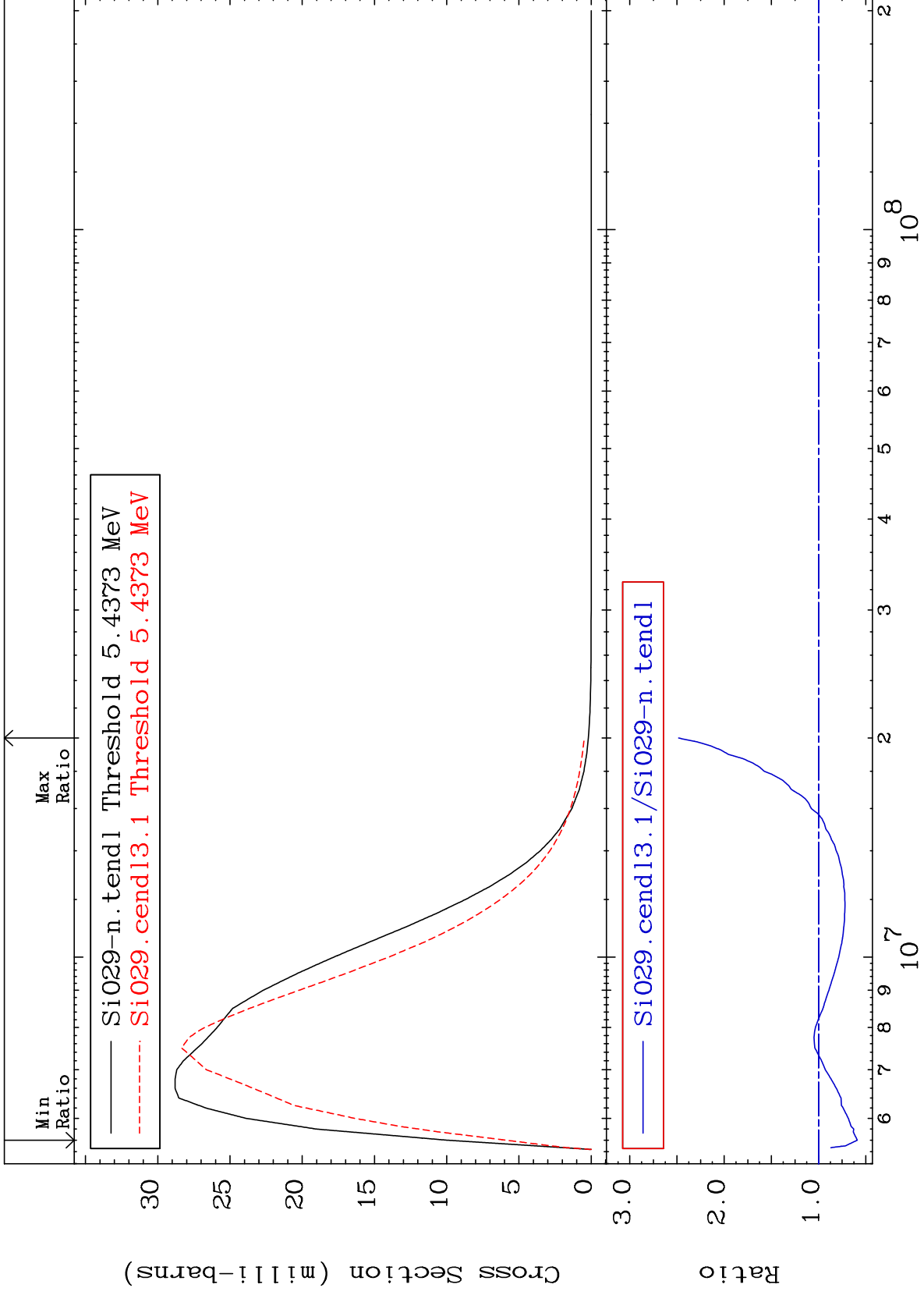
Incident Energy (eV)

14-Si-29

MAT 1428

5.254 MeV (n,n') Level
Cross Section

14-Si-29
-40.98 To 148.3 %



17

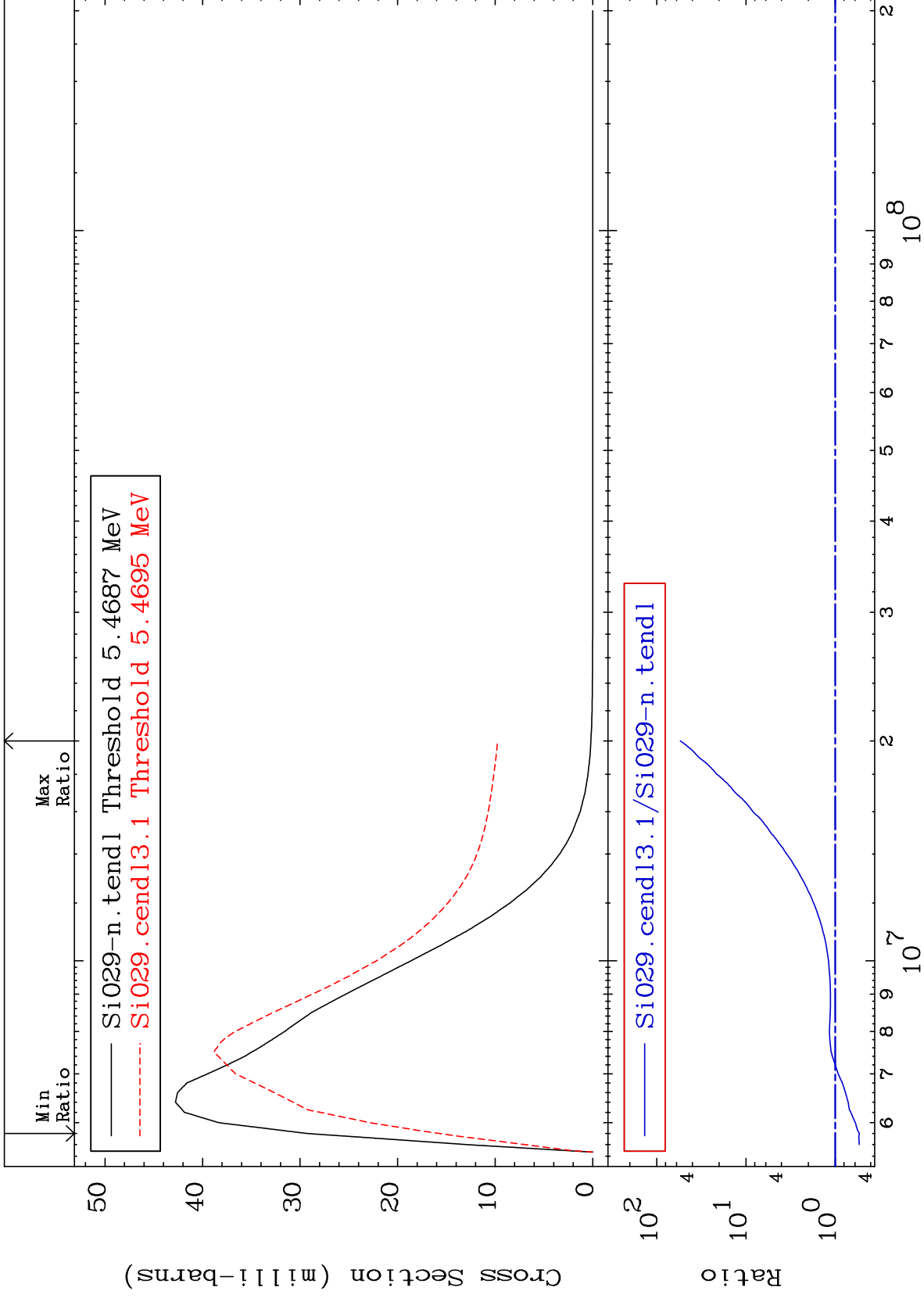
Incident Energy (eV)

14-Si-29

MAT 1428

5.285 MeV (n,n') Level
Cross Section

14-Si-29
-46.41 To 5346. %



18

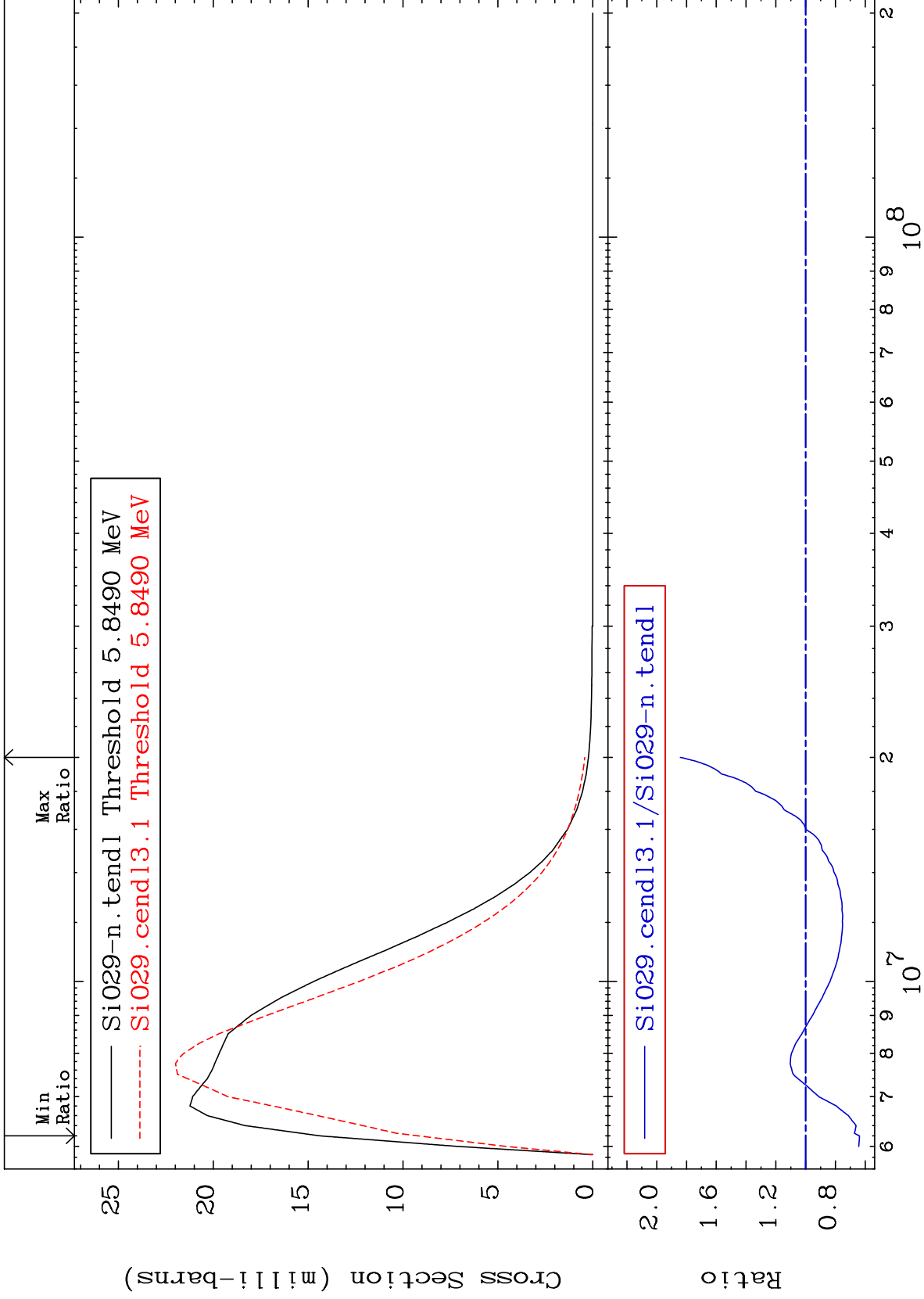
Incident Energy (eV)

14-Si-29

MAT 1428

5.652 MeV (n,n') Level
Cross Section

14-Si-29
-36.10 To 84.10 %



19

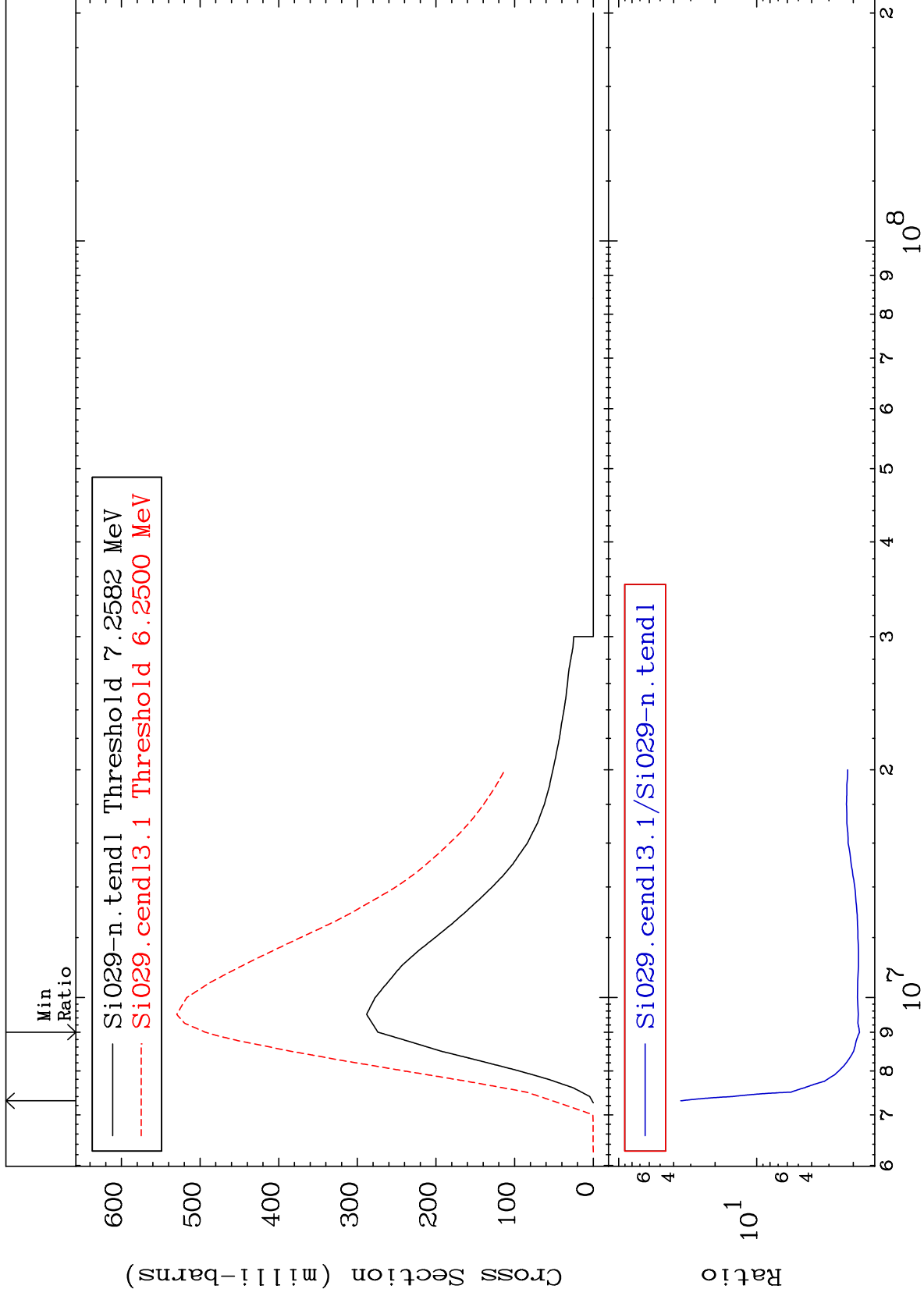
Incident Energy (eV)

14-Si-29

MAT 1428

(n, n') Continuum
Cross Section

14-Si-29
80.19 To 3447. %



20

14-Si-29

14-Si-29

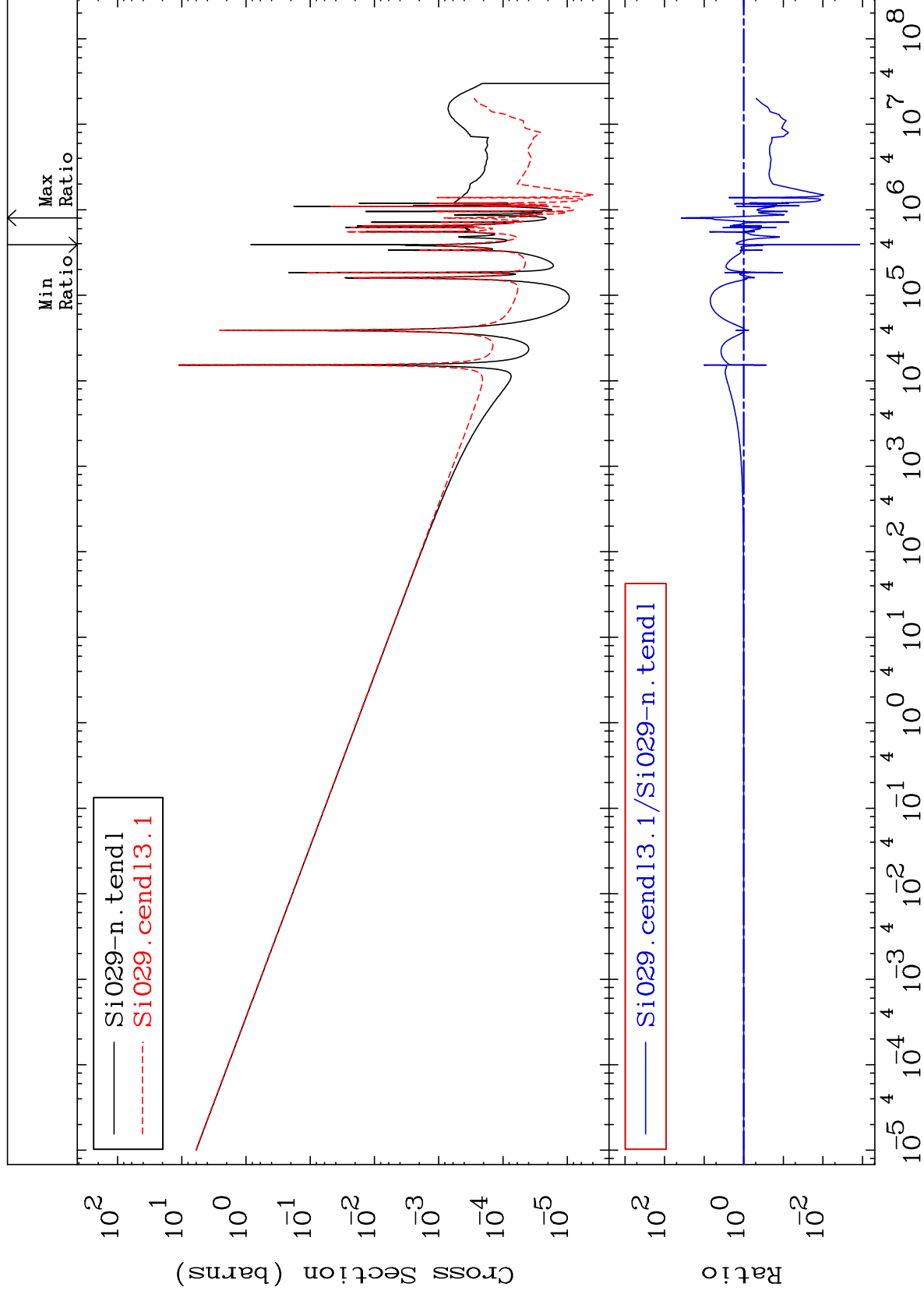
MAT 1428

(n, γ)

Cross Section

14-Si-29

-99.88 To 3713. %



21

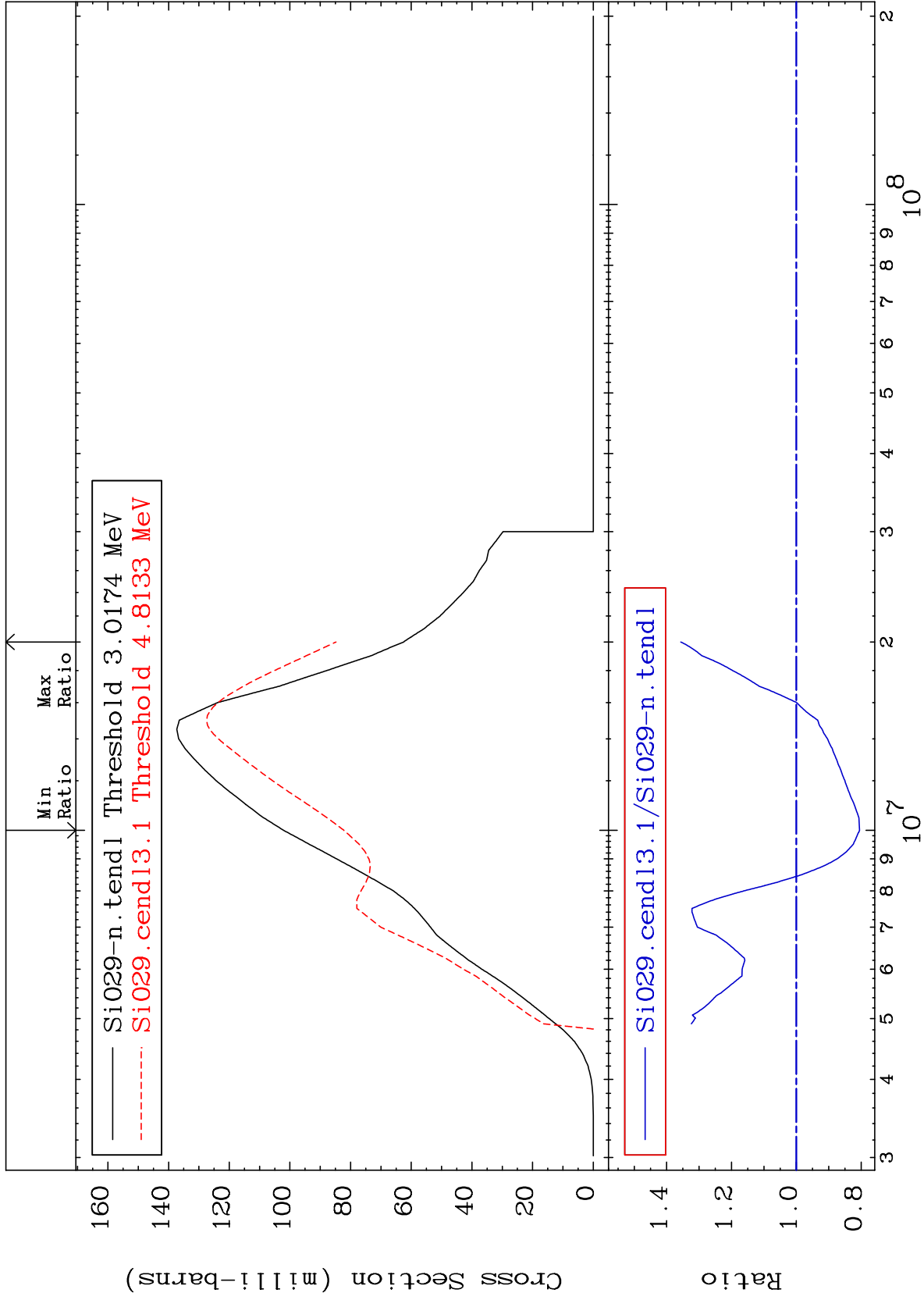
Incident Energy (eV)

14-Si-29

MAT 1428

14-Si-29

(n,p)
Cross Section
-19.50 To 35.65 %



22

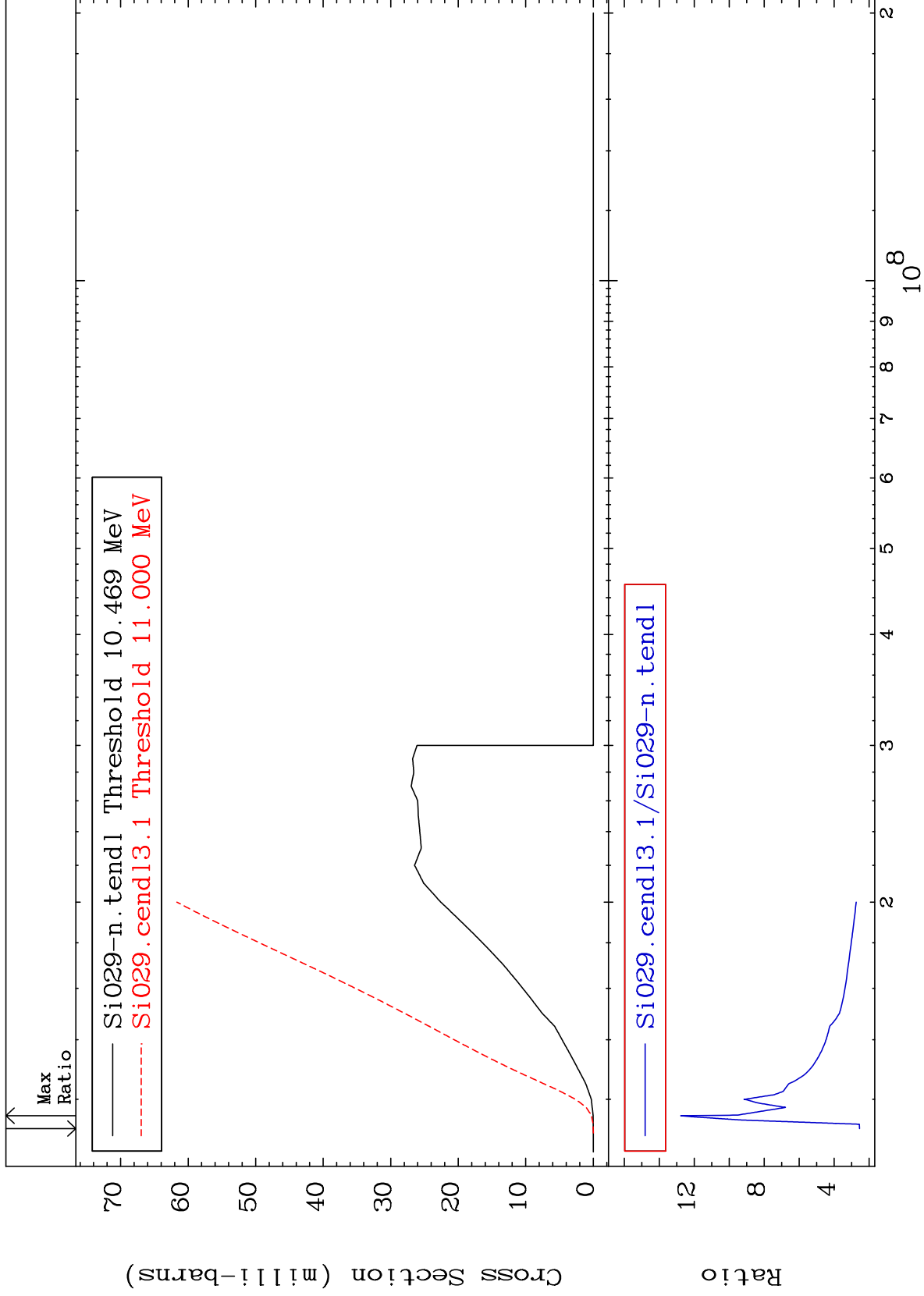
Incident Energy (eV)

14-Si-29

MAT 1428

(n, d)
Cross Section

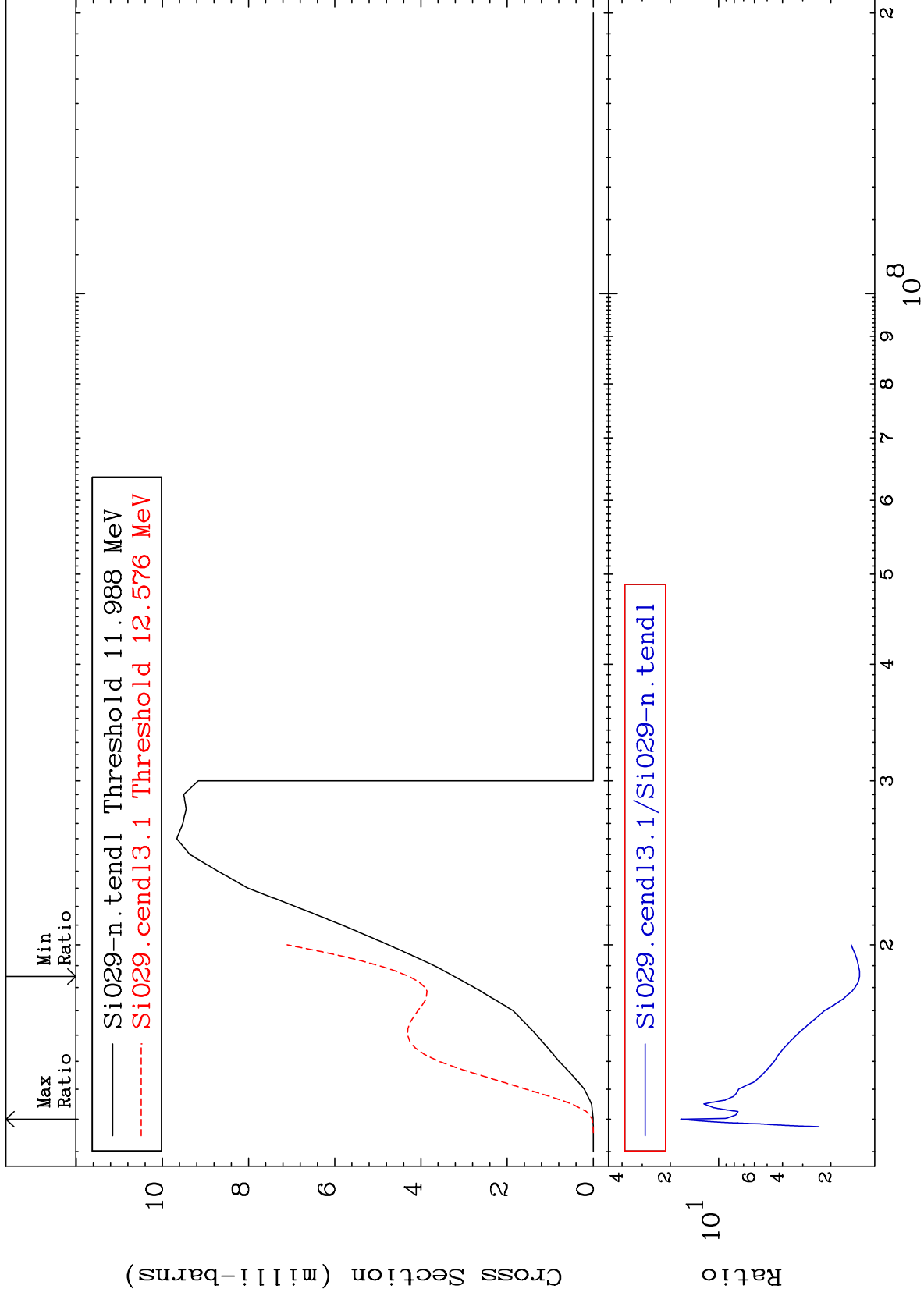
14-Si-29
154.2 To 1177. %



MAT 1428

(n, t)
Cross Section

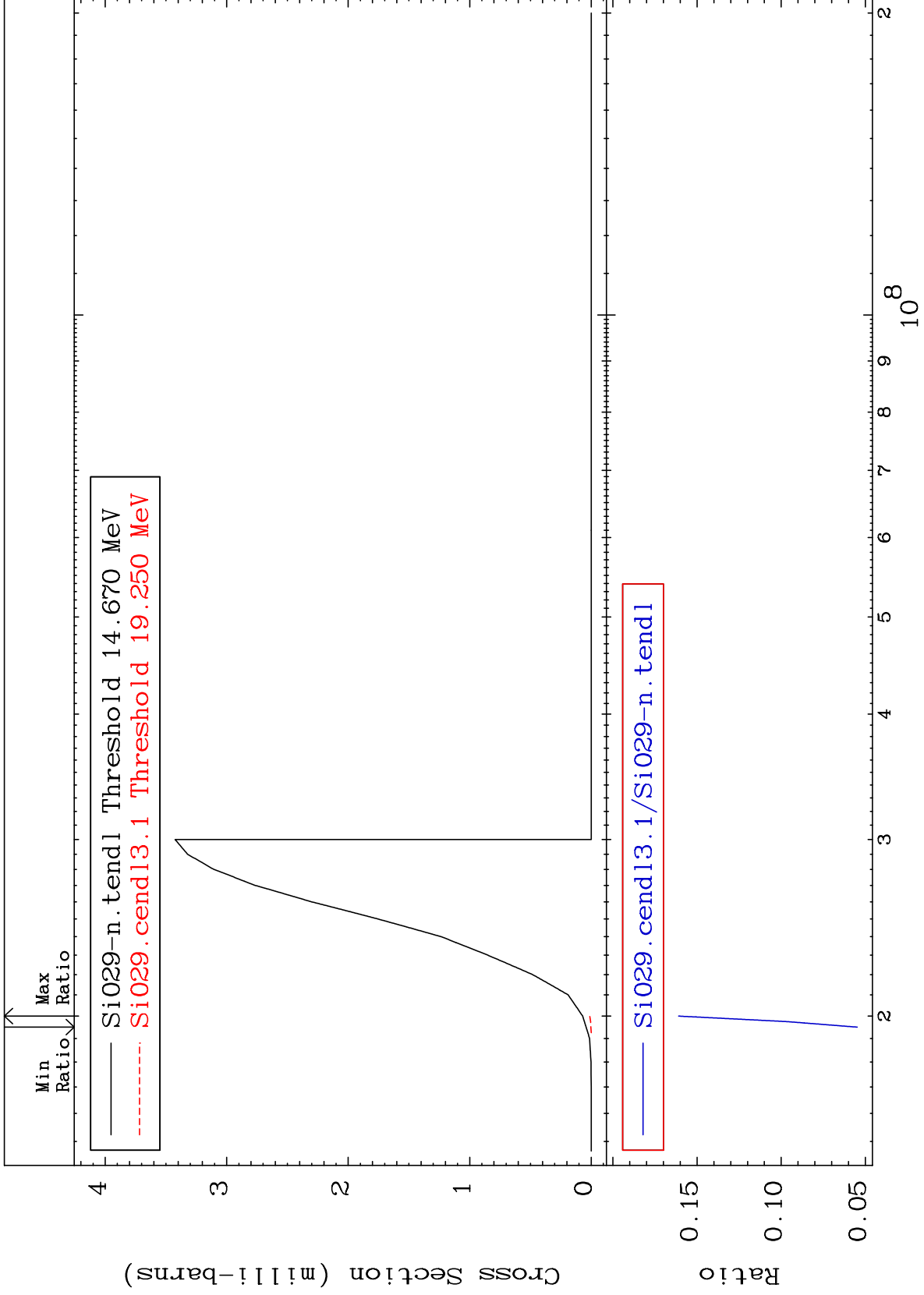
14-Si-29
32.60 To 1623. %



MAT 1428

(n, He-3)
Cross Section

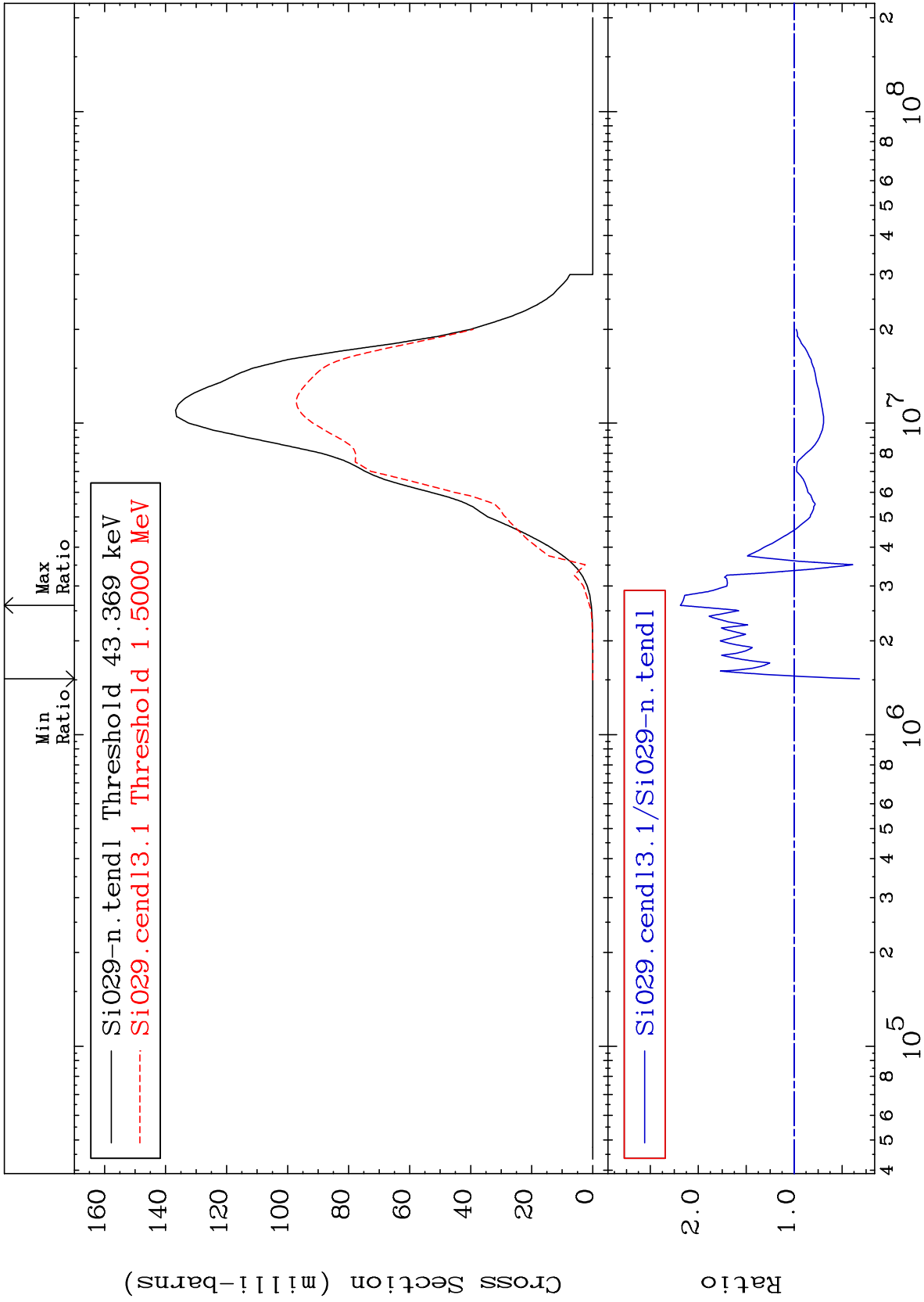
¹⁴Si-29
-94.52 To -83.91%



MAT 1428

(n, α)
Cross Section

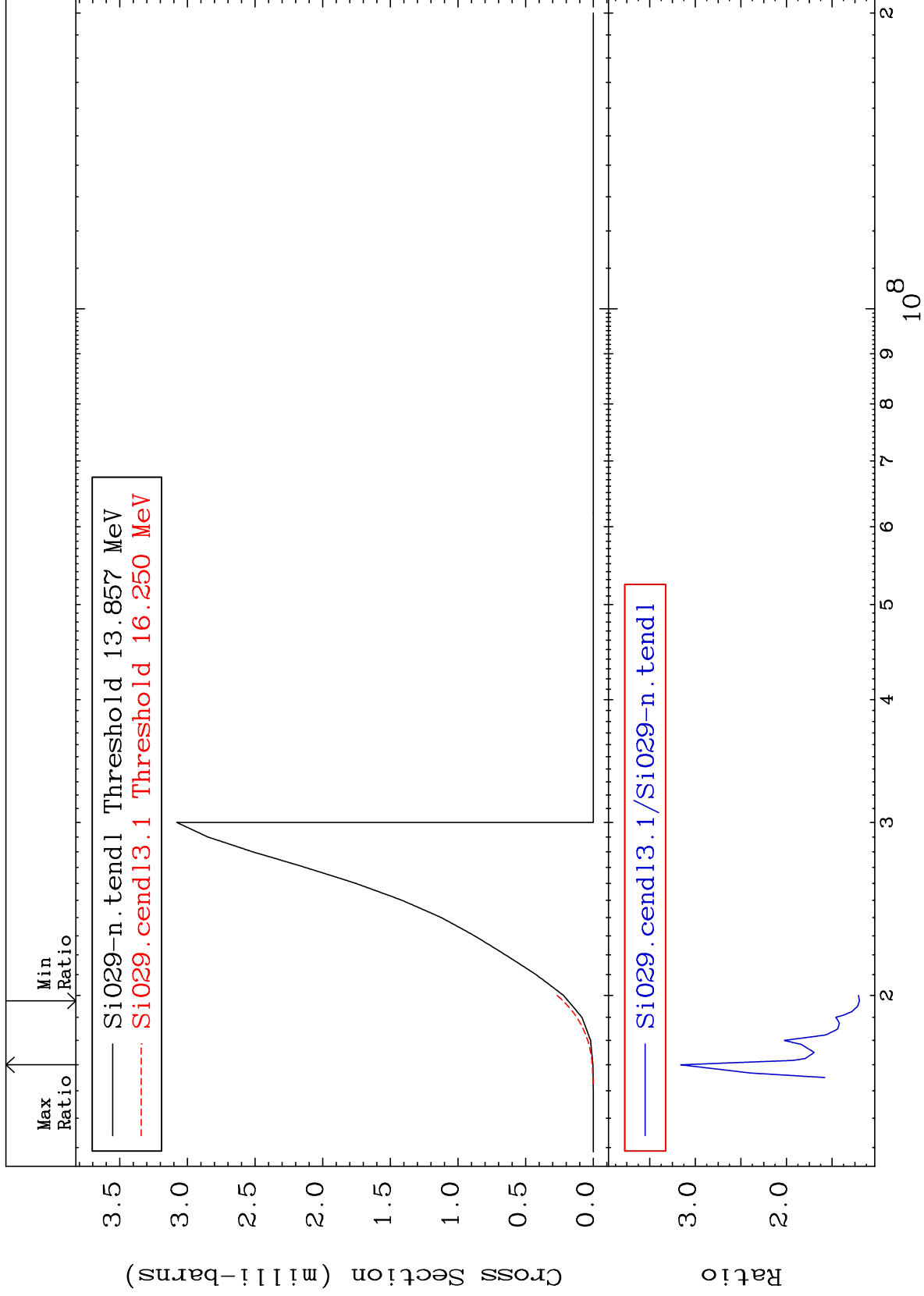
14-Si-29
-68.12 To 118.7 %

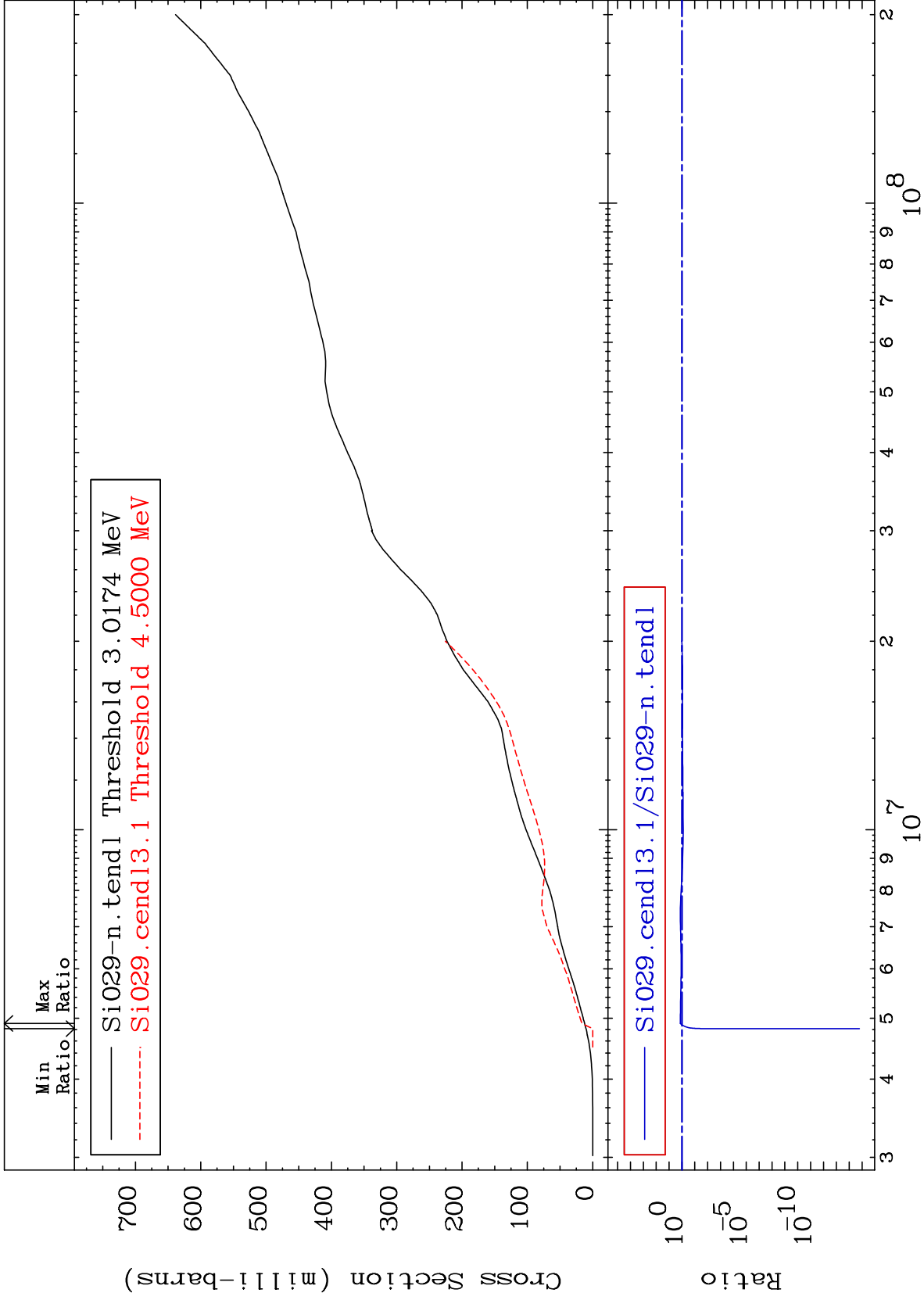


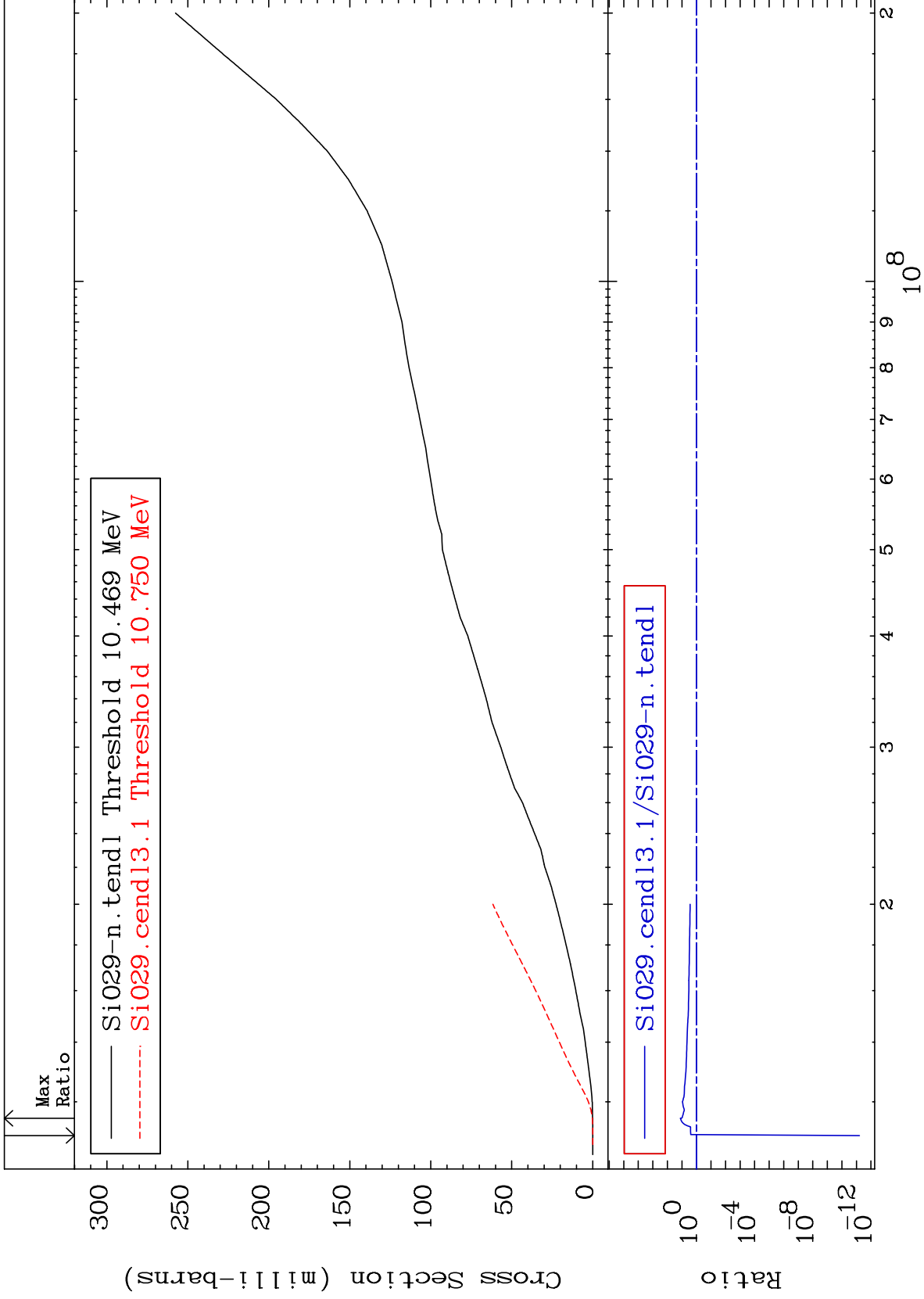
MAT 1428

(n,2p)
Cross Section

14-Si-29
19.91 To 215.9 %



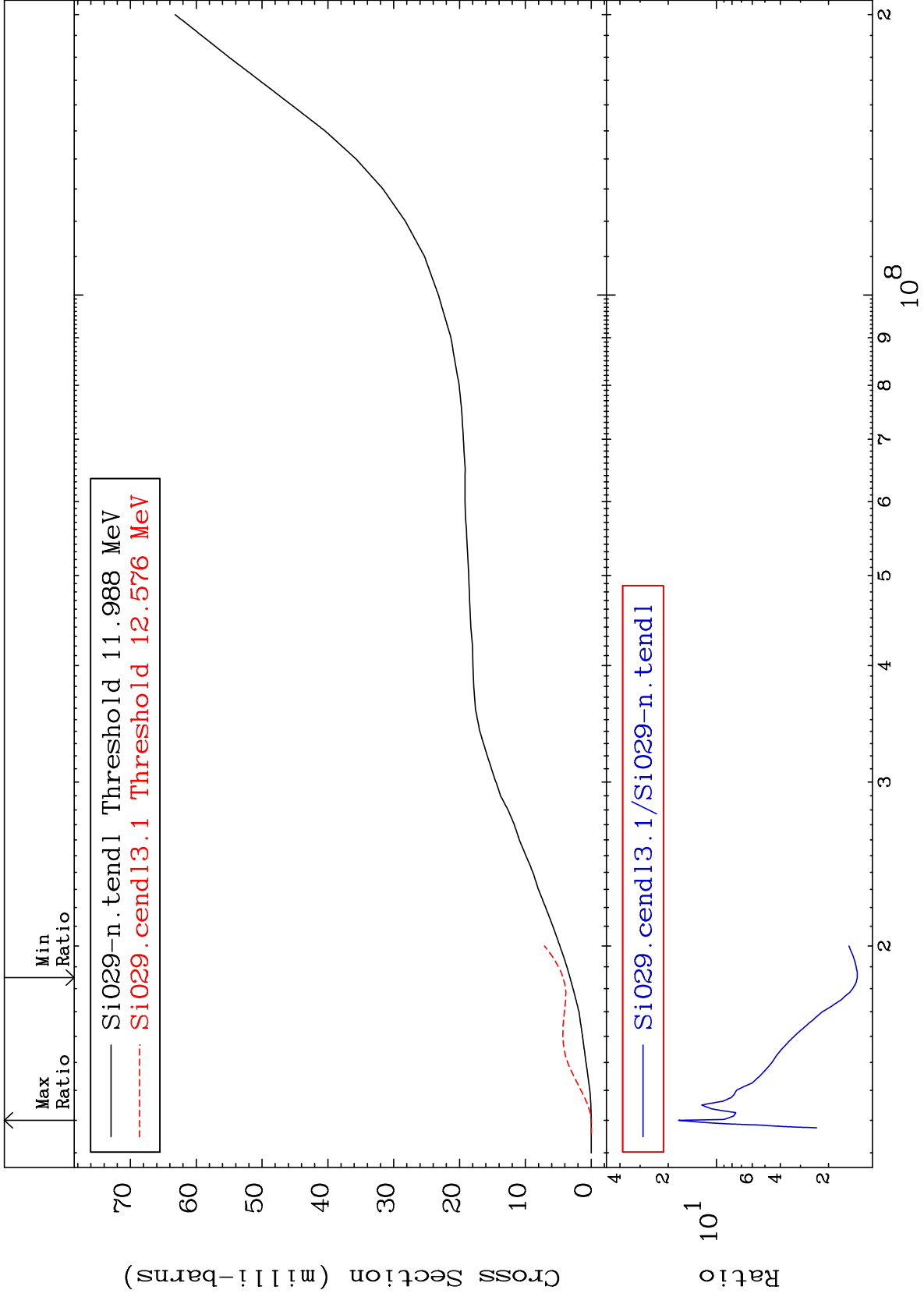


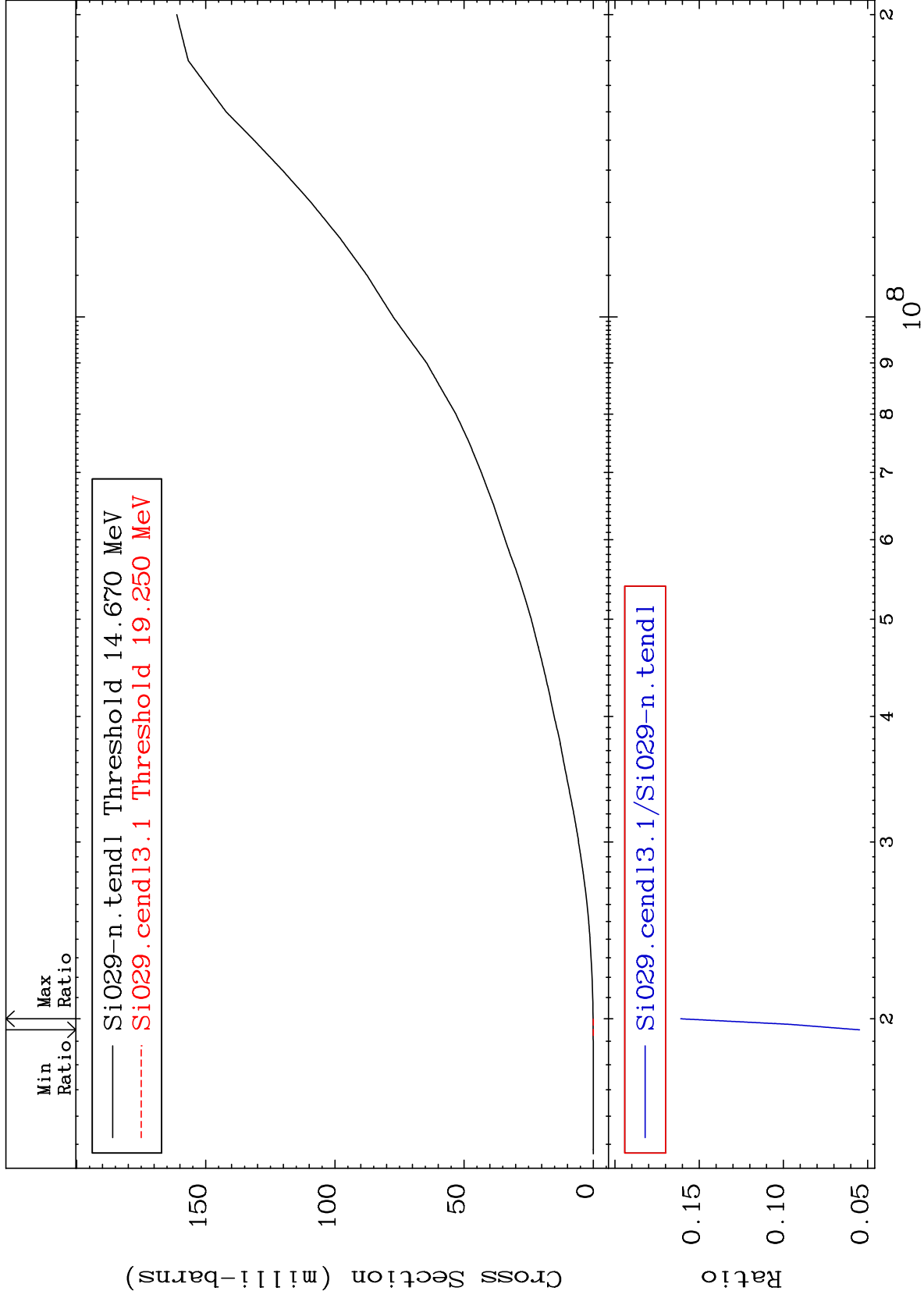


MAT 1428

Tritium Production
Cross Section

14-Si-29
32.60 To 1623. %

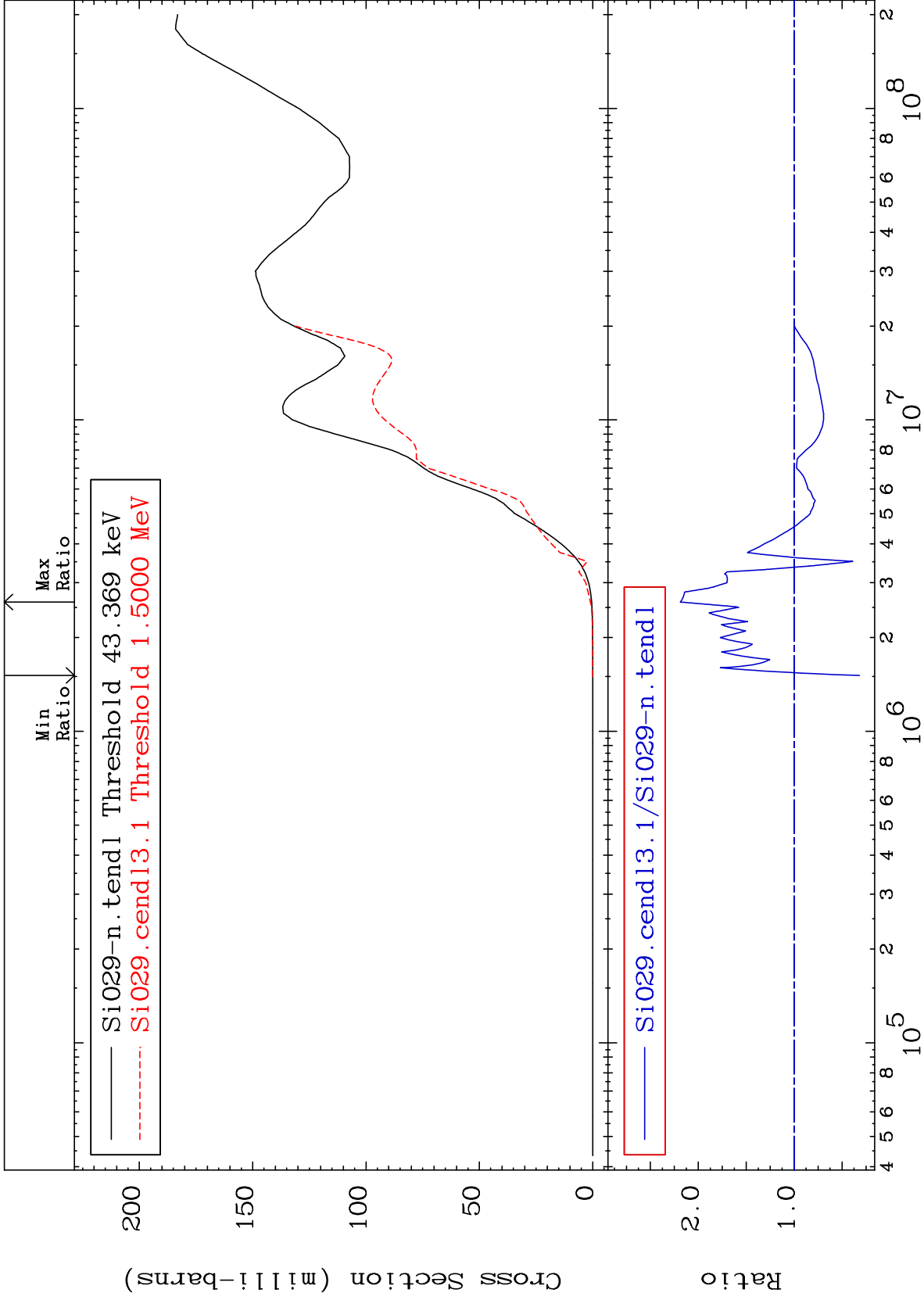


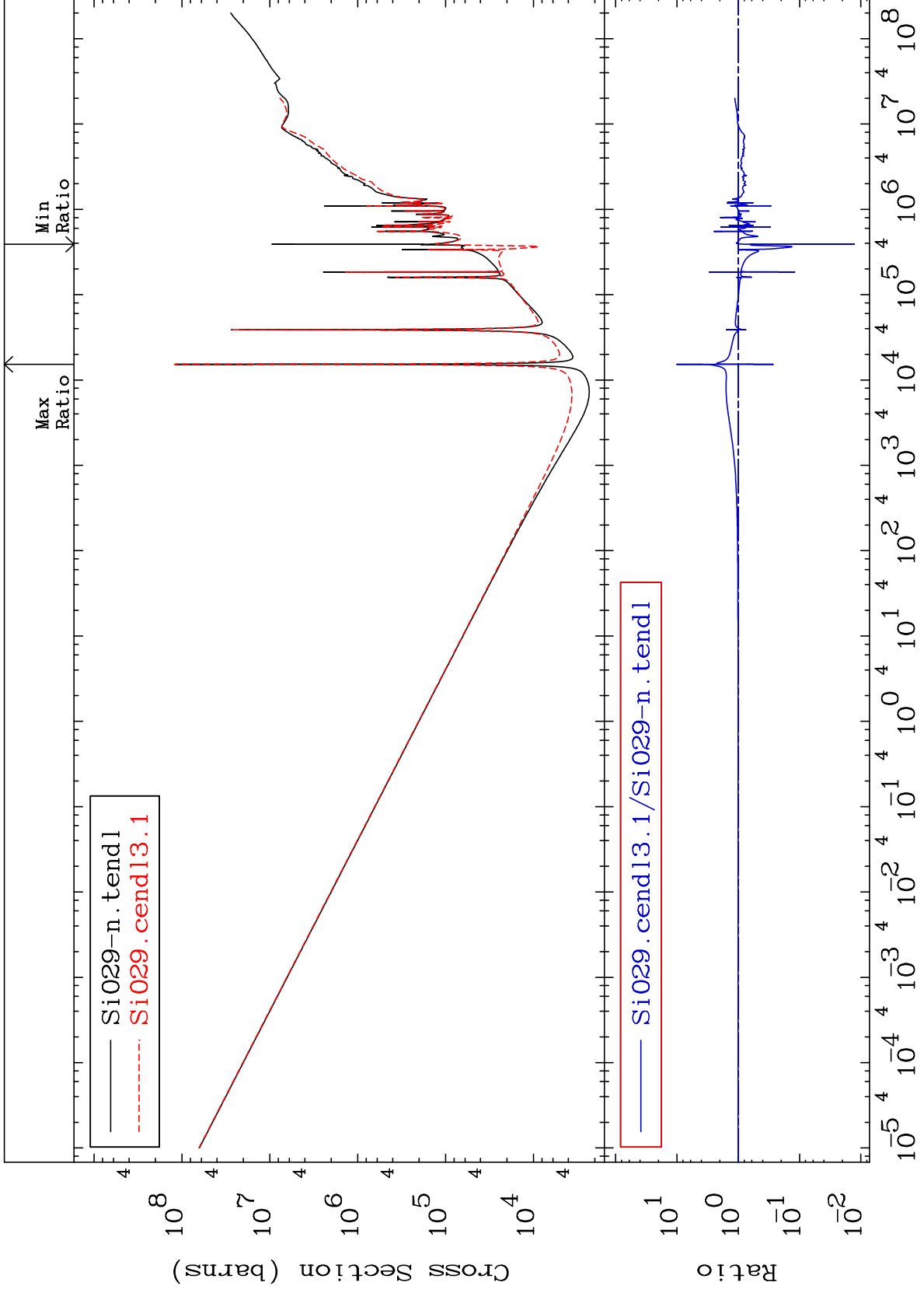


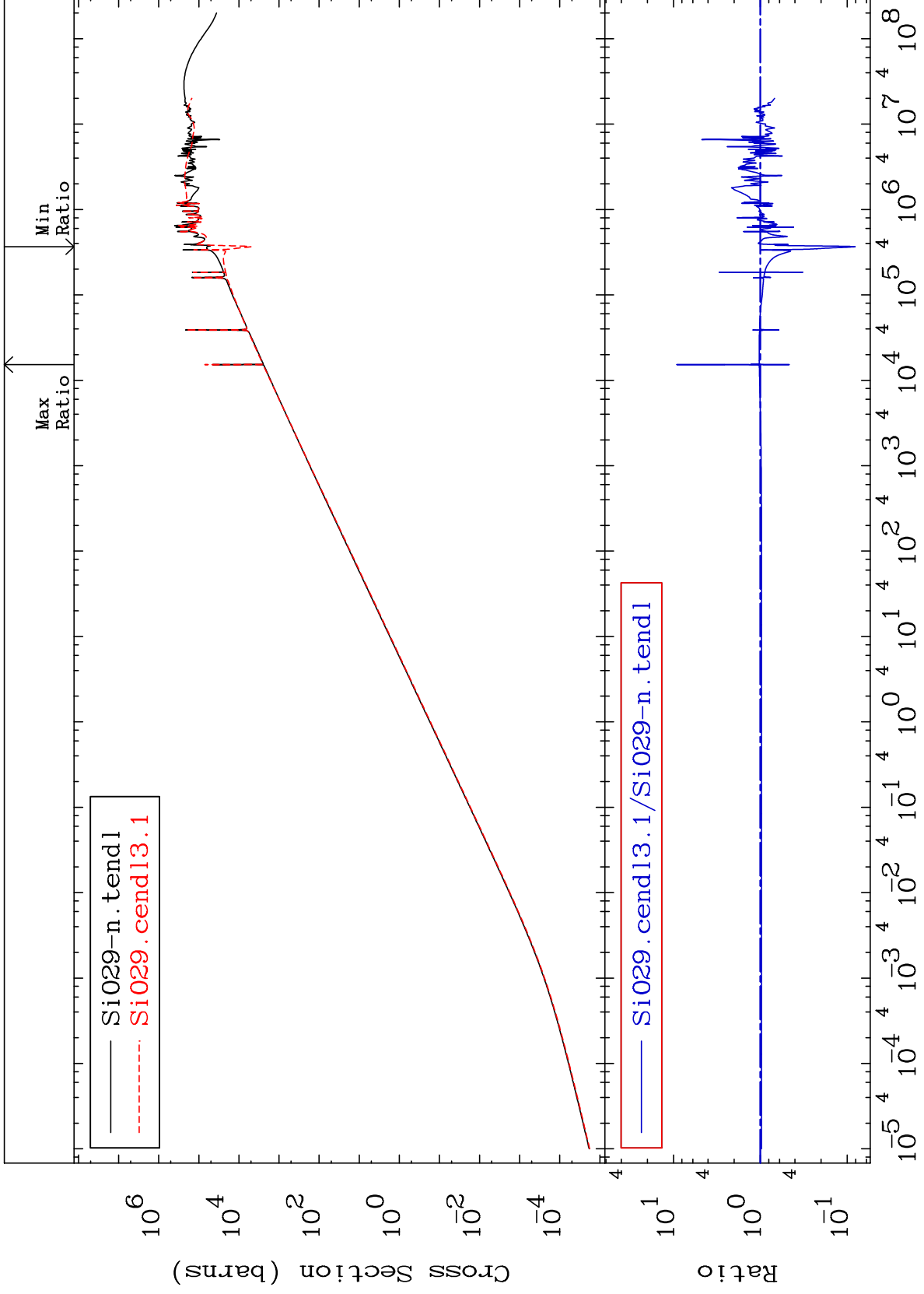
MAT 1428

He-4 Production
Cross Section

¹⁴Si-29
-68.12 To 118.7 %



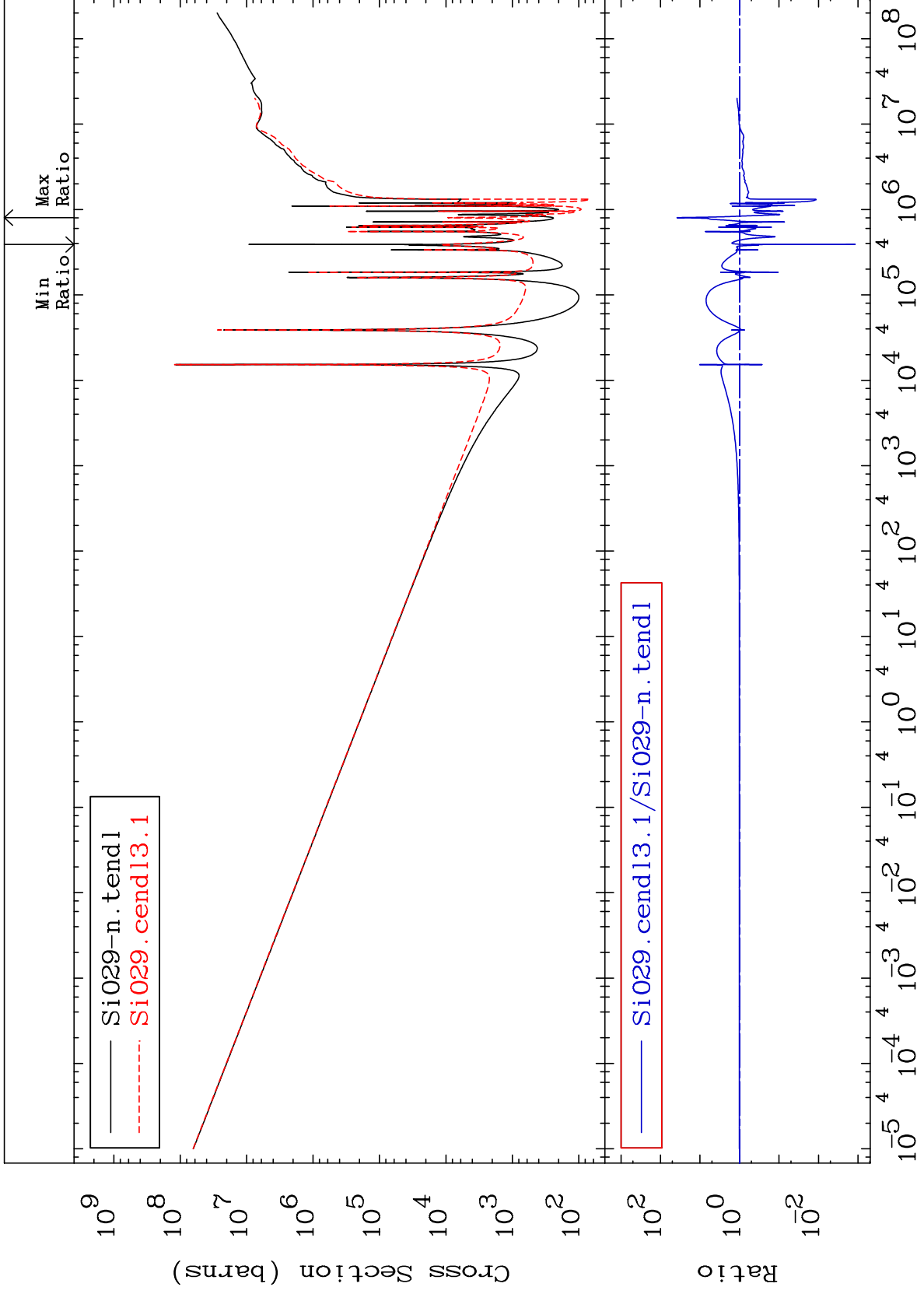


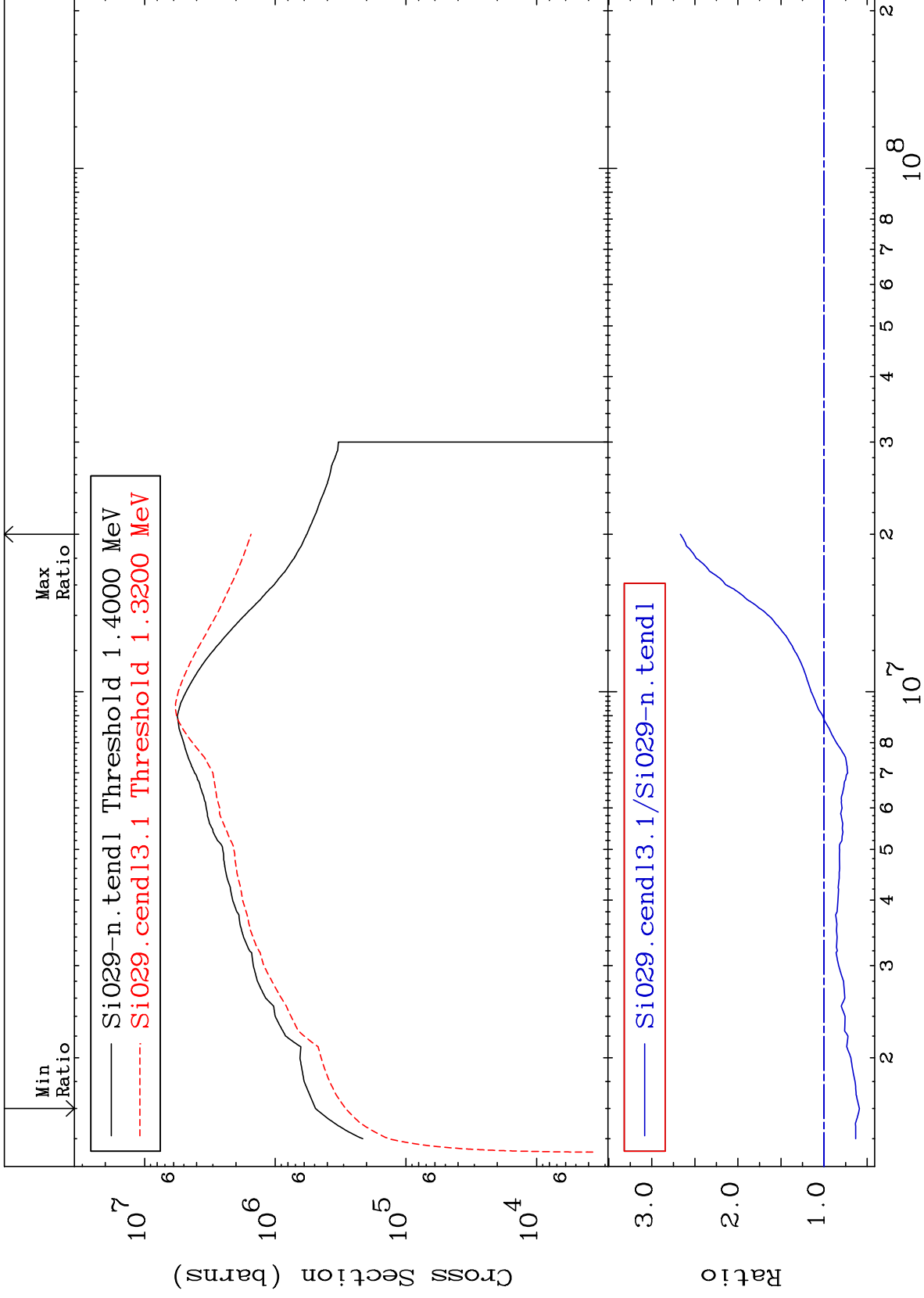


MAT 1428

Kerma non-elastic (all but mt2)
Cross Section

14-Si-29
-99.88 To 3734. %

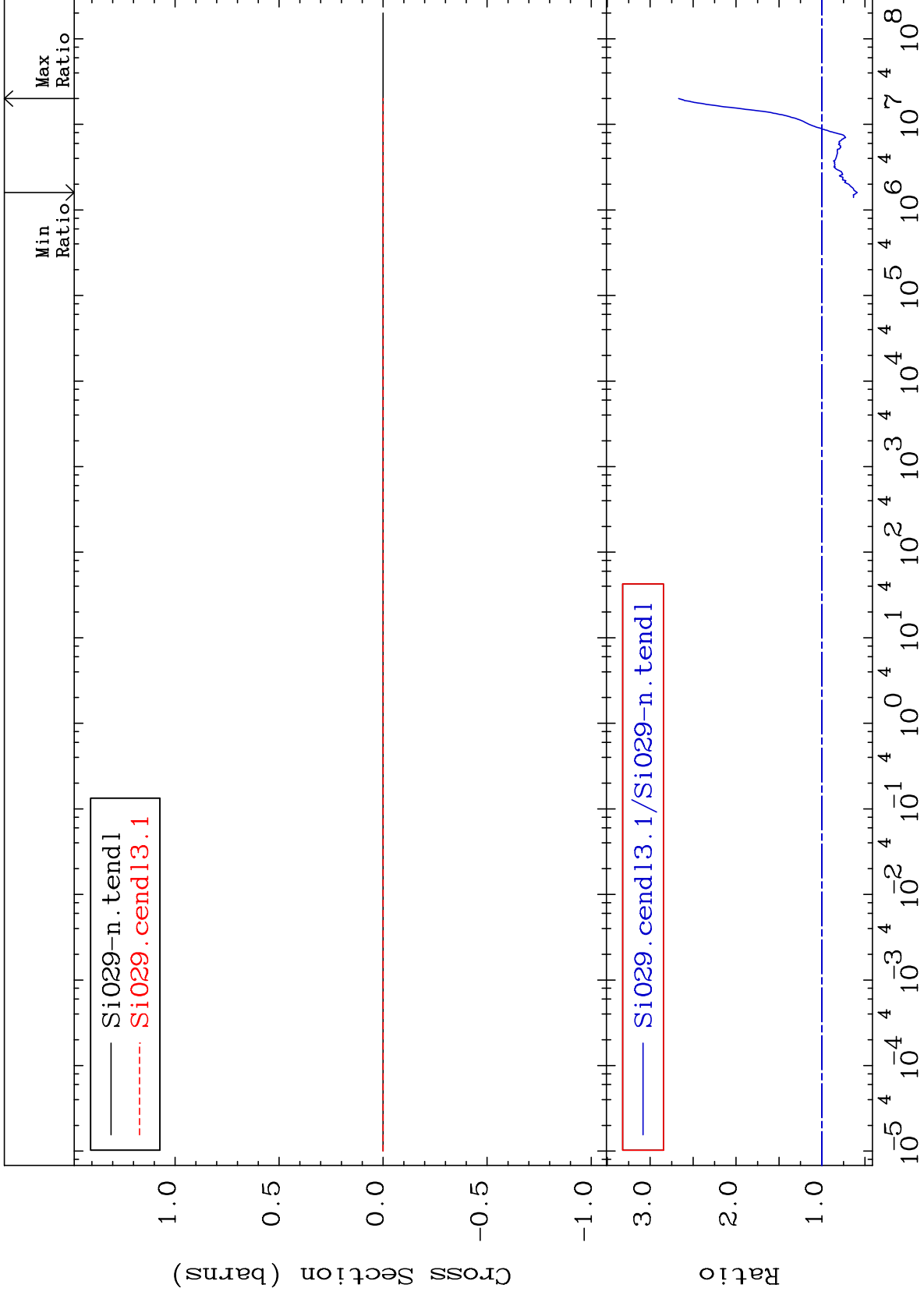




MAT 1428

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

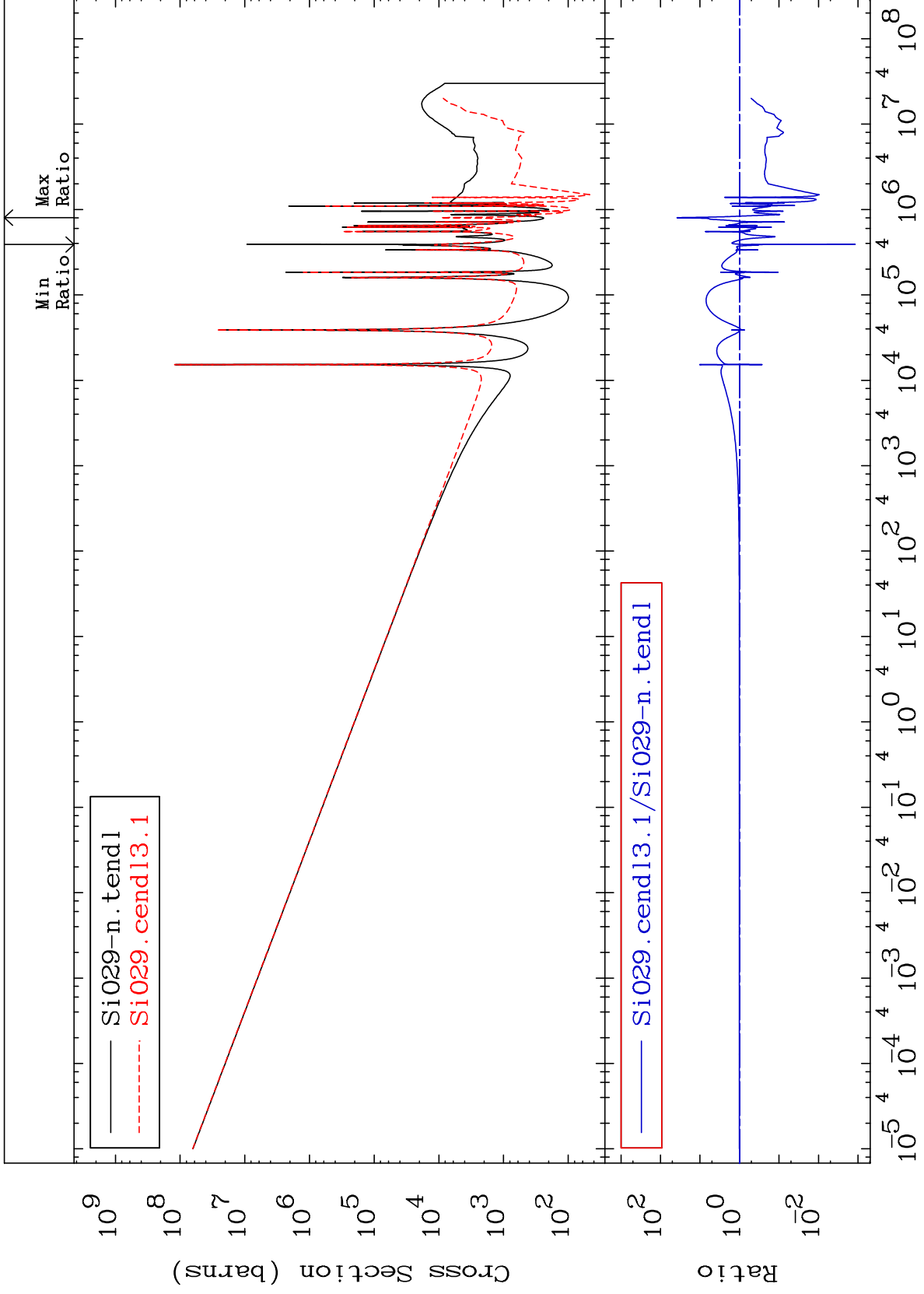
14-Si-29
-41.10 To 166.9 %



MAT 1428

Kerma capture (mt102)
Cross Section

14-Si-29
-99.88 To 3734. %



38

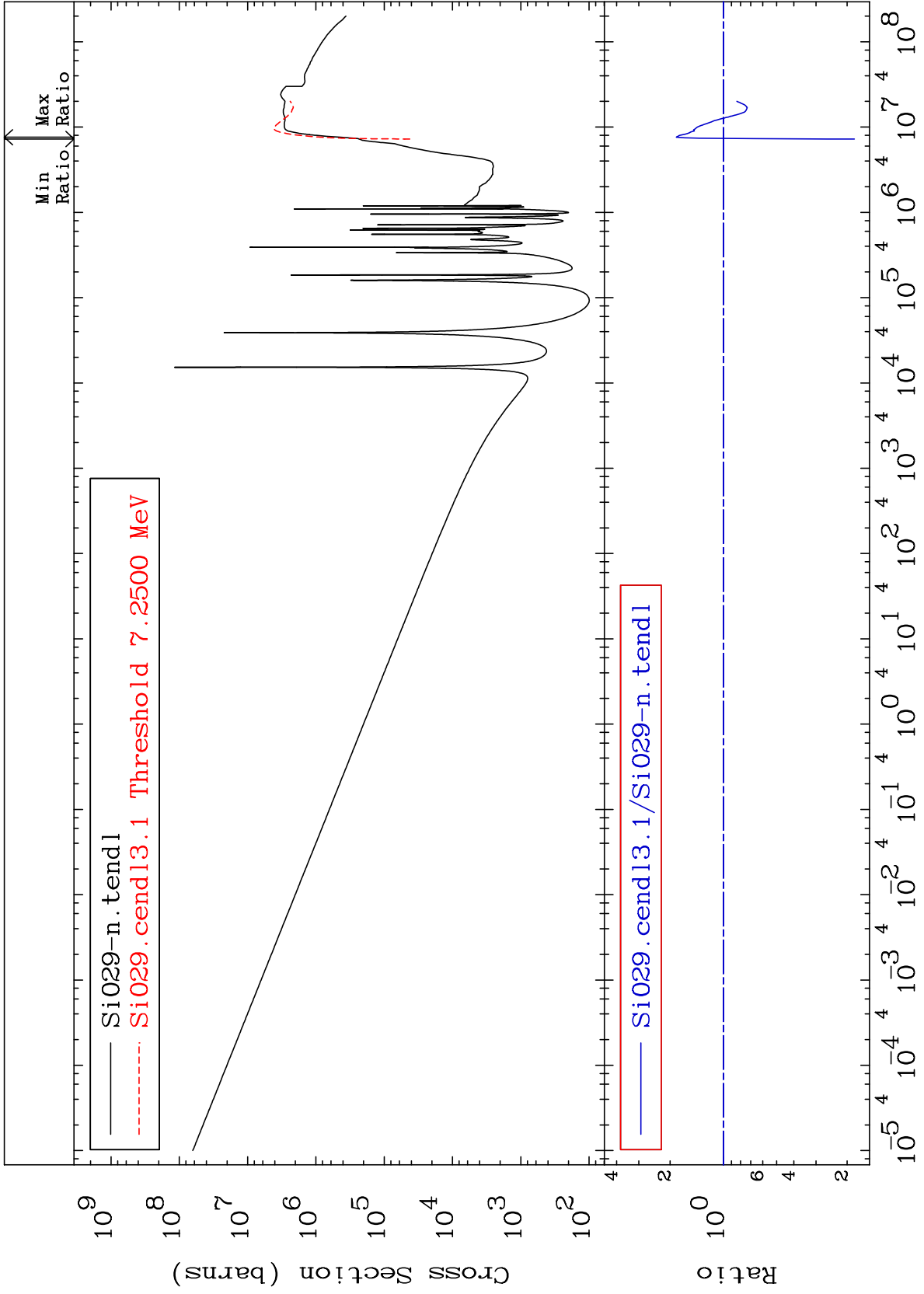
Incident Energy (eV)

14-Si-29

MAT 1428

Total photon (eV-barns)
Cross Section

14-Si-29
-81.78 To 84.18 %



39

Incident Energy (eV)

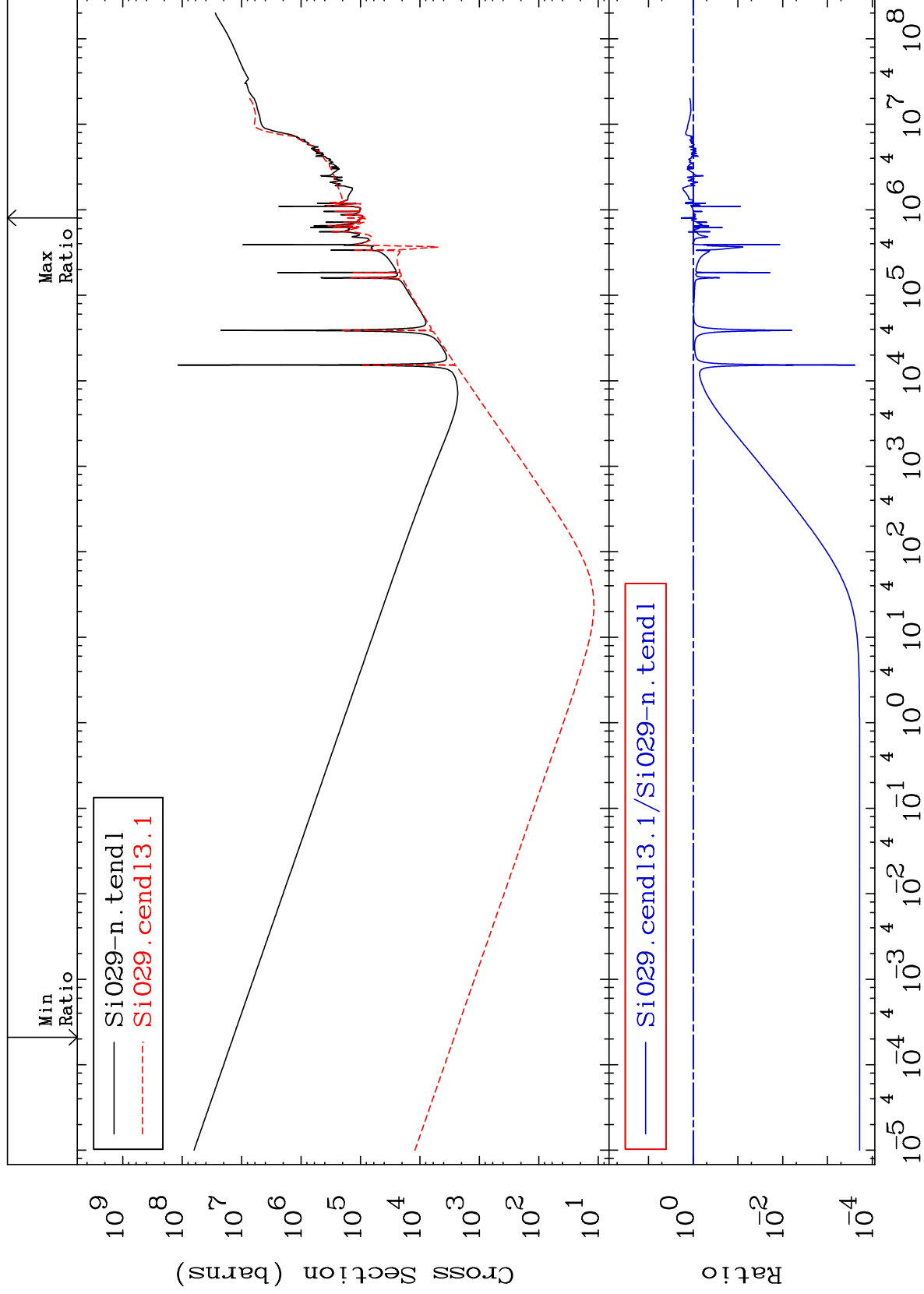
14-Si-29

MAT 1428

Total kinematic kerma (high limit)
Cross Section

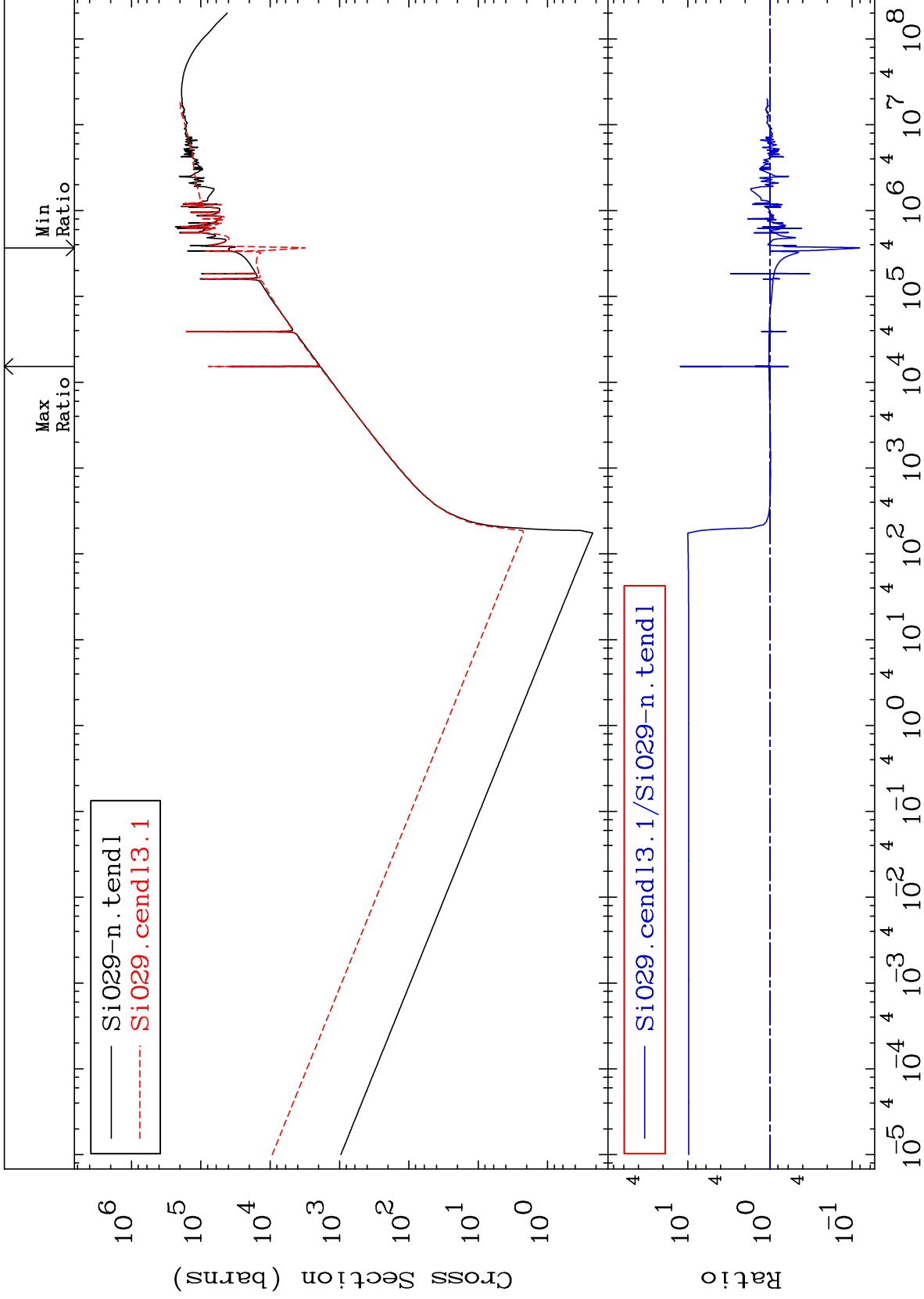
14-Si-29

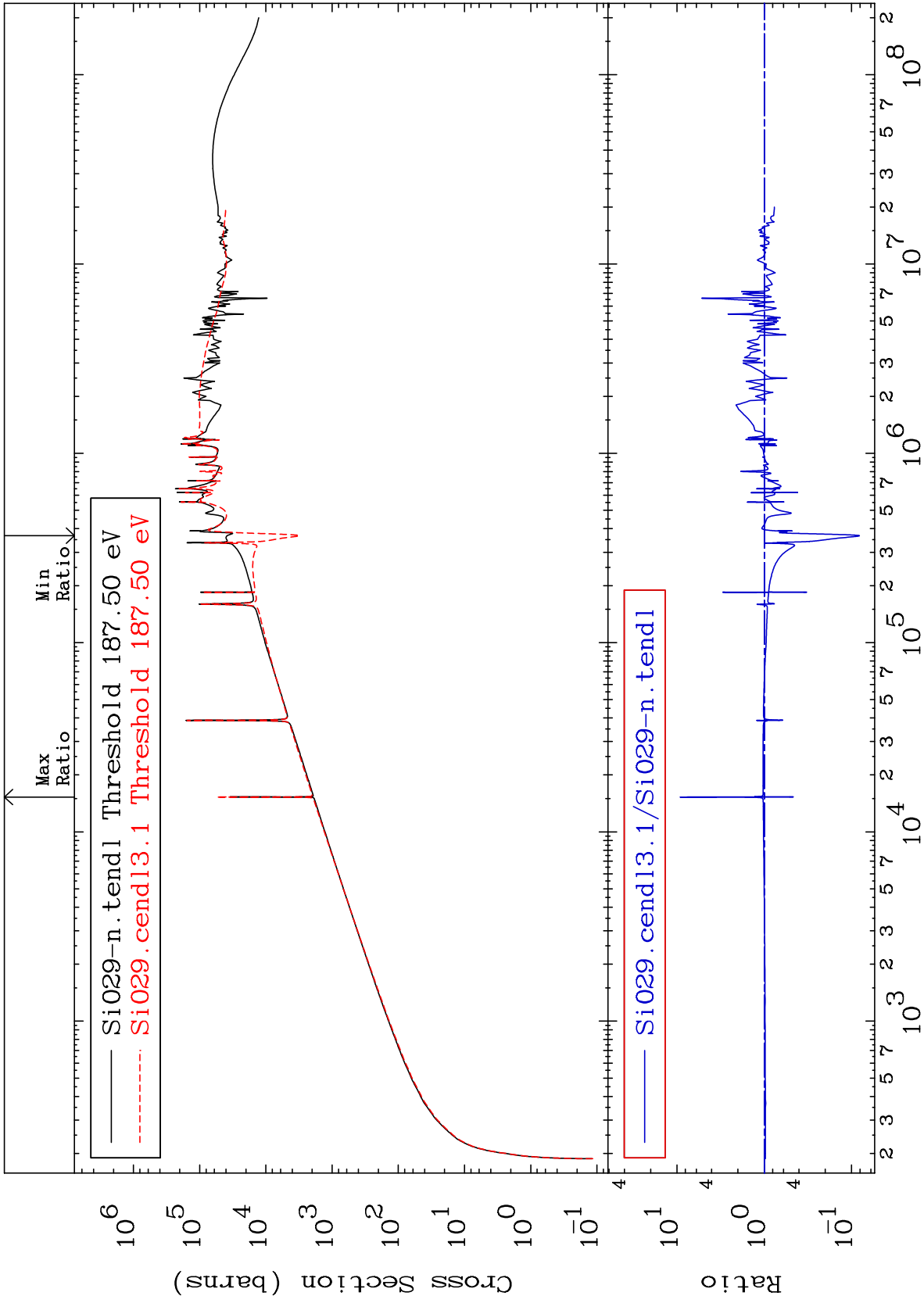
-99.98 To 85.54 %

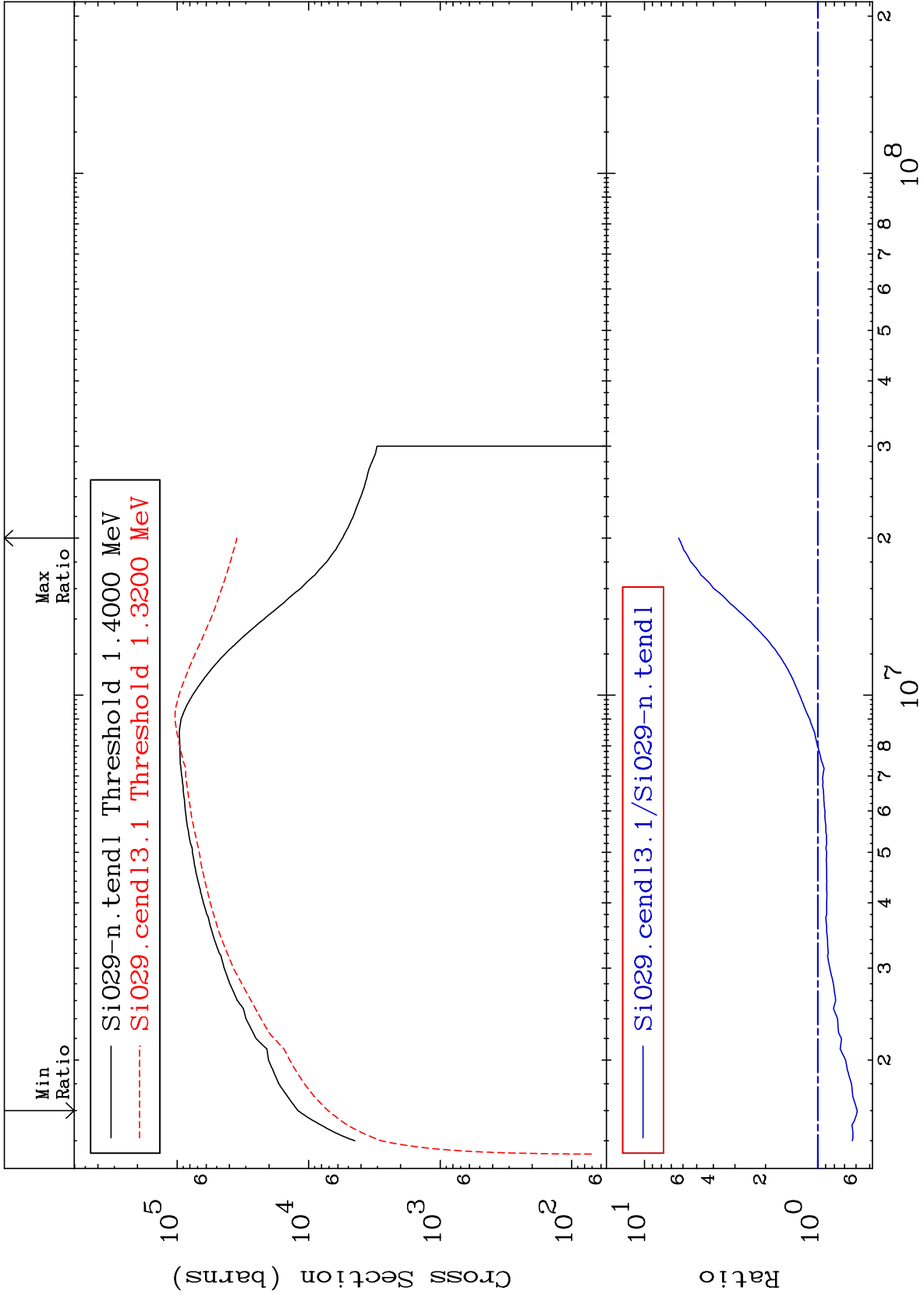


40

14-Si-29







MAT 1428

Dpa disappearance (mt102 -120)
Cross Section

14-Si-29
-92.70 To 9999. %

