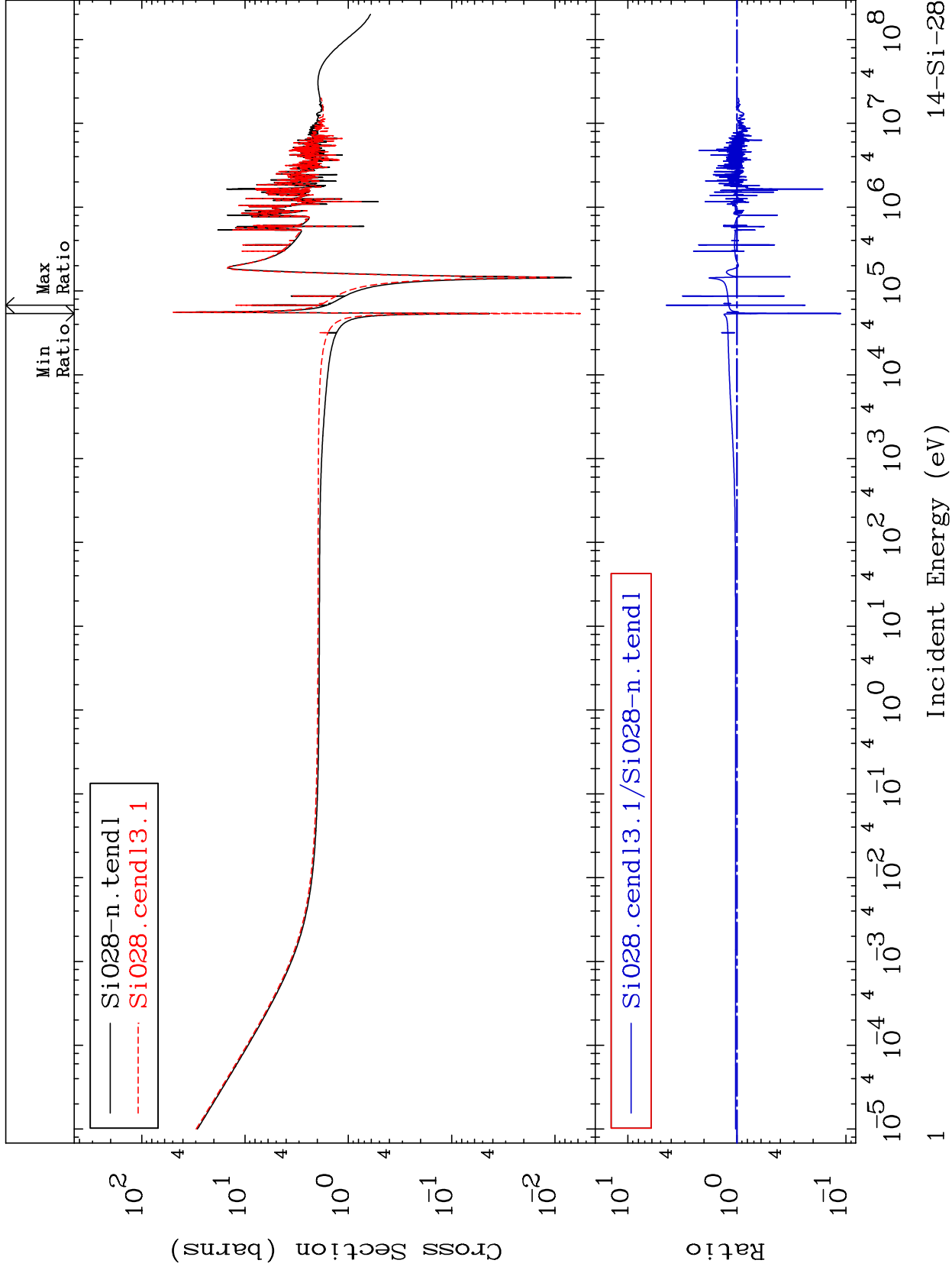


MAT 1425

Total
Cross Section

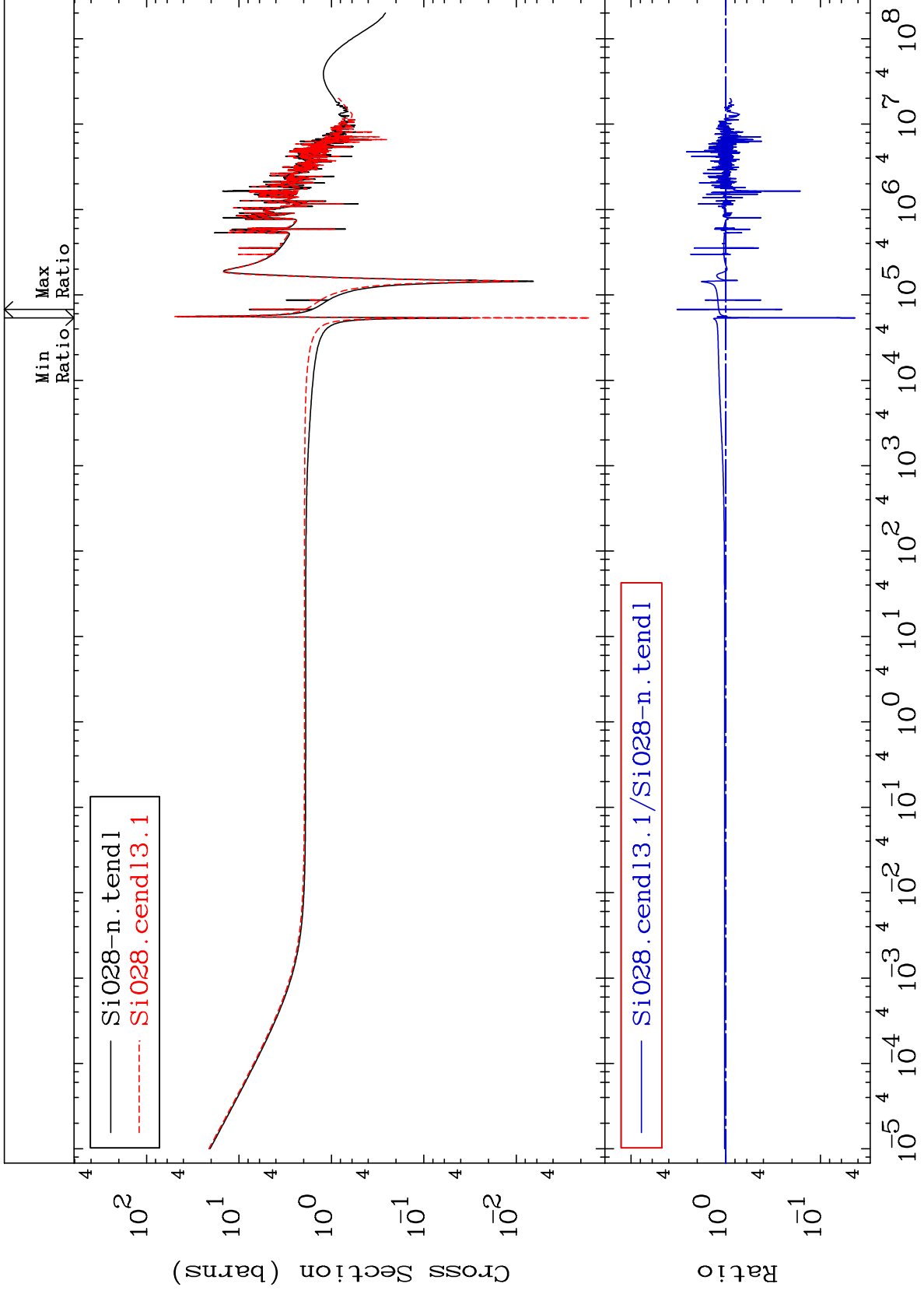
14-Si-28
-88.84 To 346.6 %



MAT 1425

Elastic
Cross Section

14-Si-28
-95.70 To 228.2 %



2

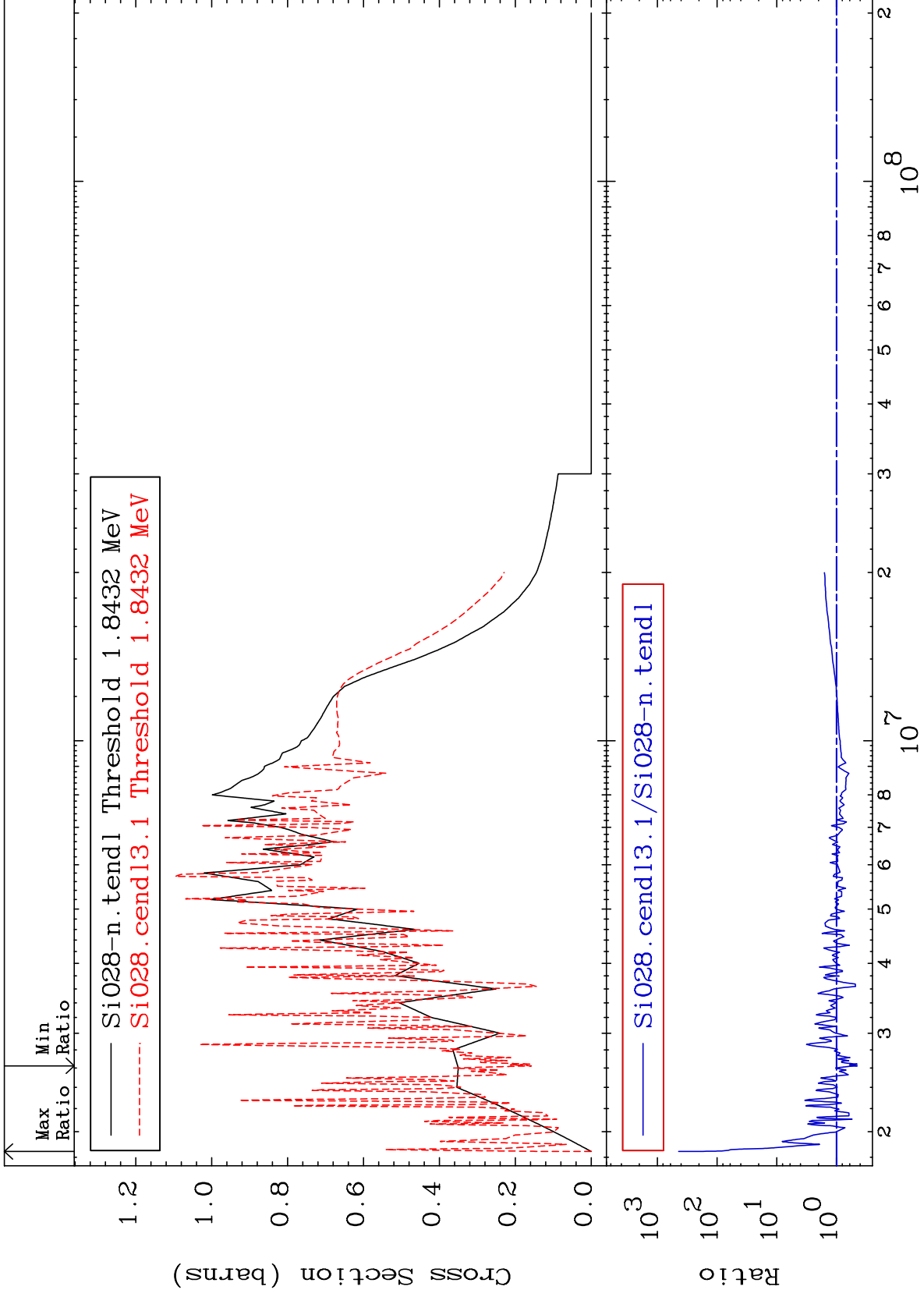
Incident Energy (eV)

14-Si-28

MAT 1425

Inelastic
Cross Section

14-Si-28
-55.14 To 9999. %



3

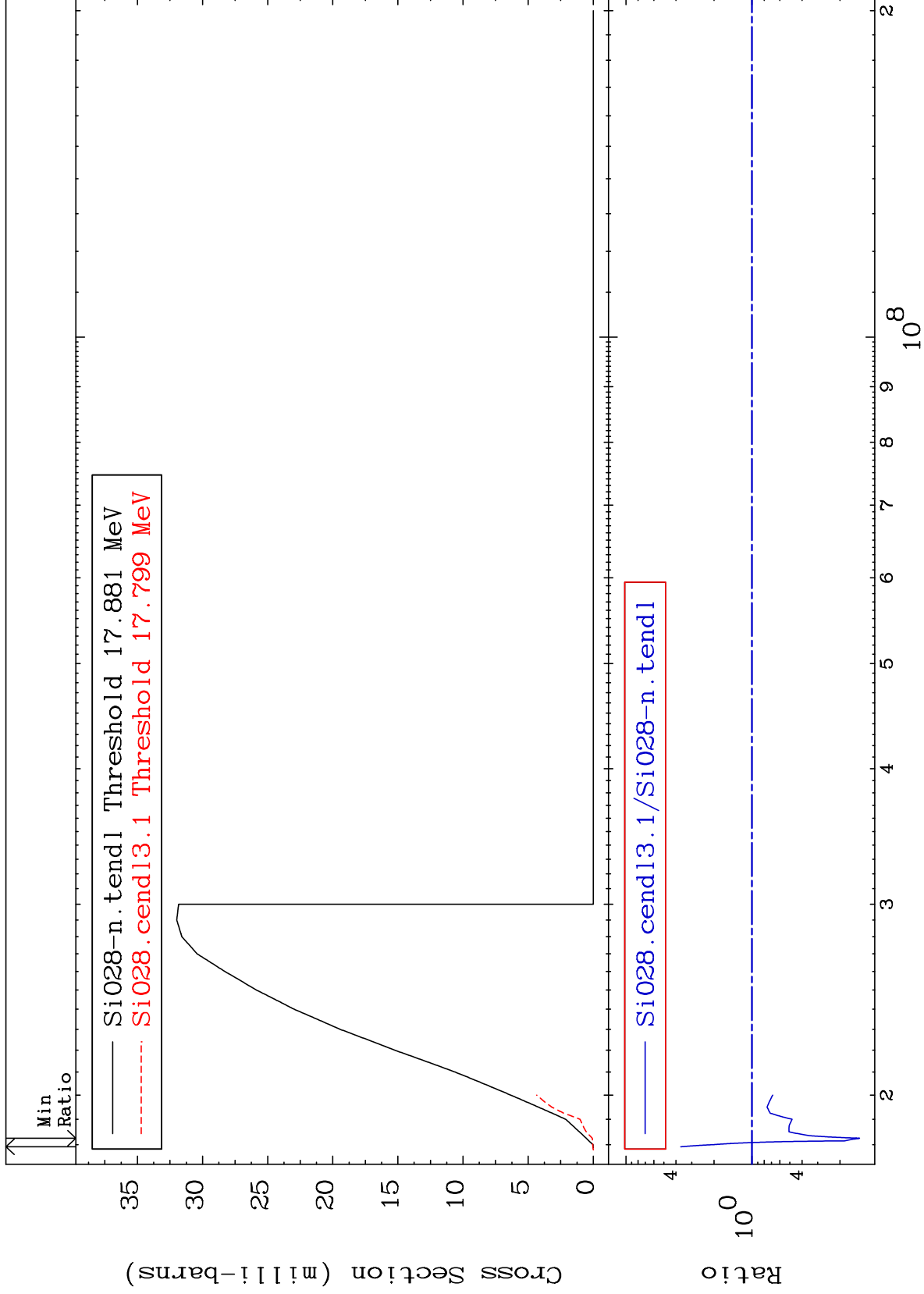
14-Si-28

14-Si-28

MAT 1425

(n,2n)
Cross Section

14-Si-28
-86.01 To 266.8 %



4

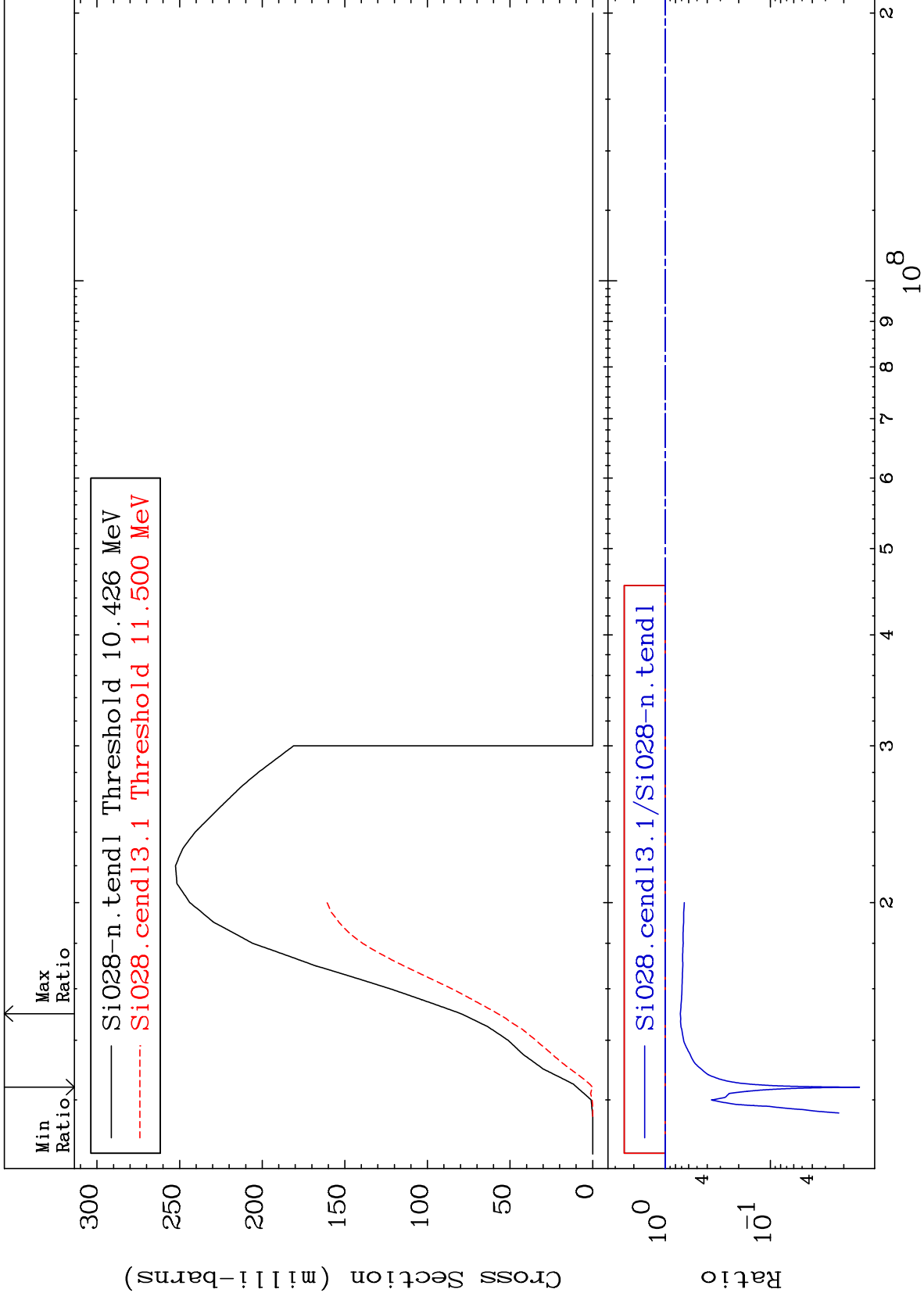
Incident Energy (eV)

14-Si-28

MAT 1425

(n, n') α
Cross Section

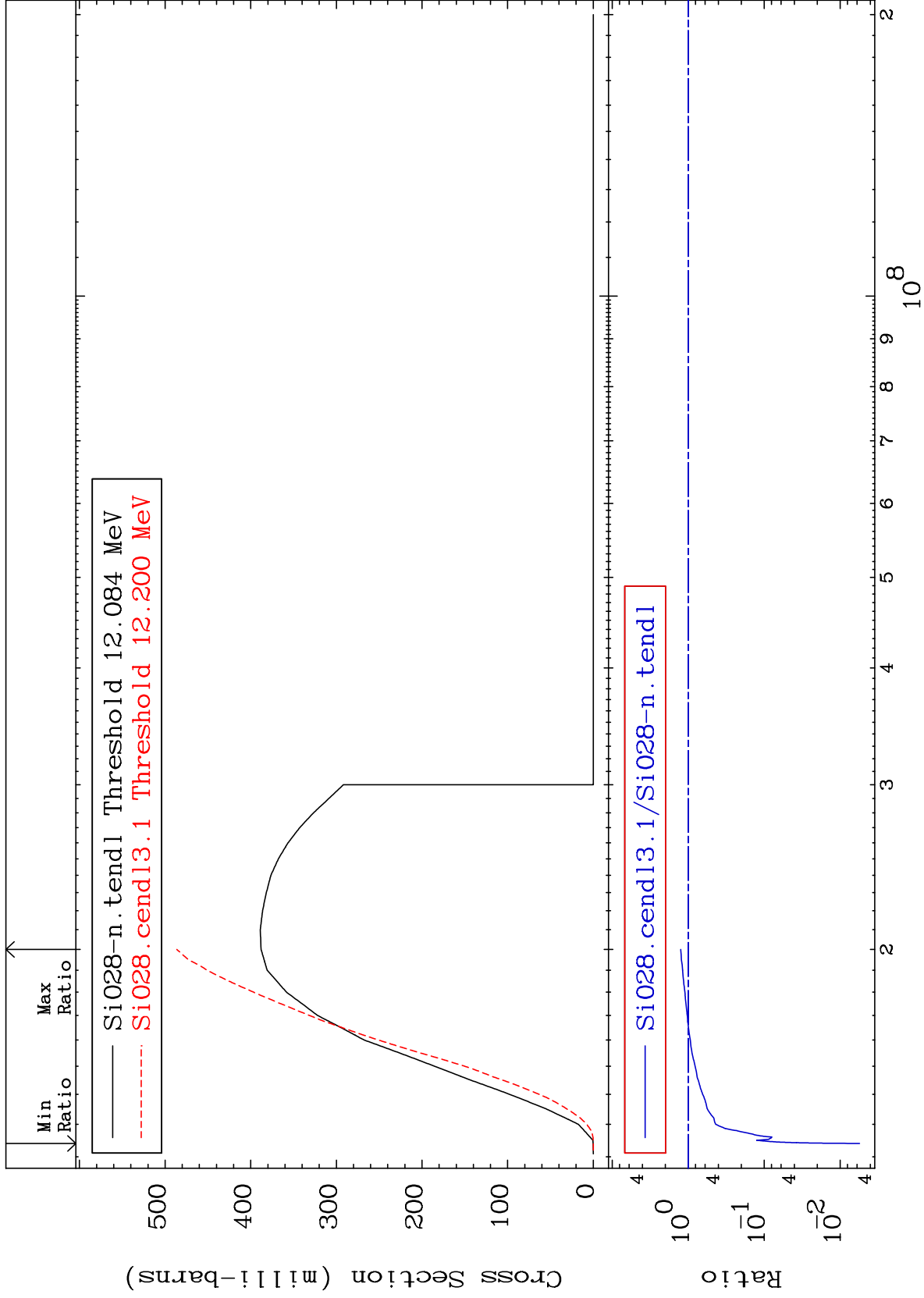
¹⁴Si-28
-98.58 To -28.05%



MAT 1425

(n, n') p
Cross Section

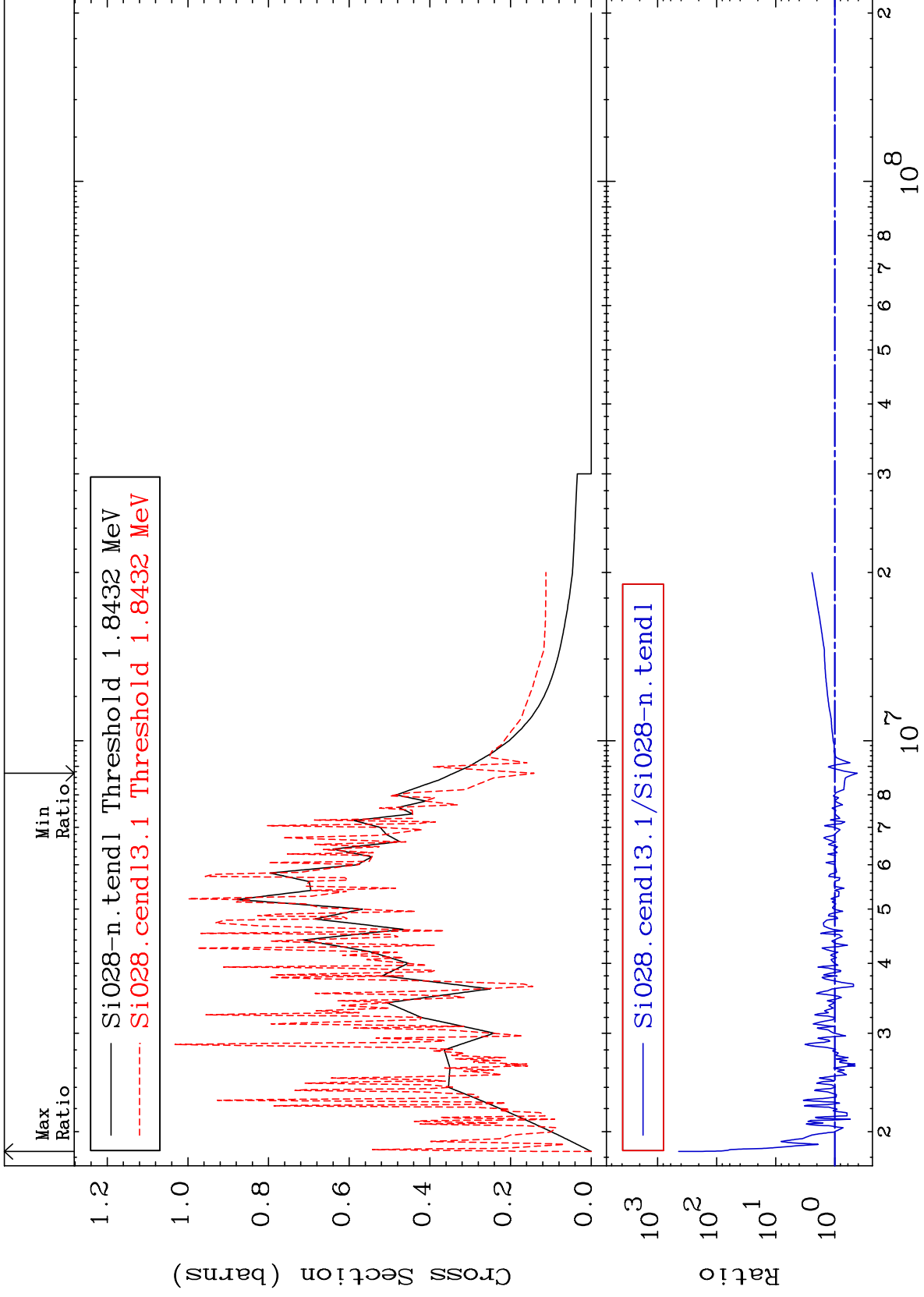
14-Si-28
-99.44 To 25.38 %



MAT 1425

1.779 MeV (n,n') Level
Cross Section

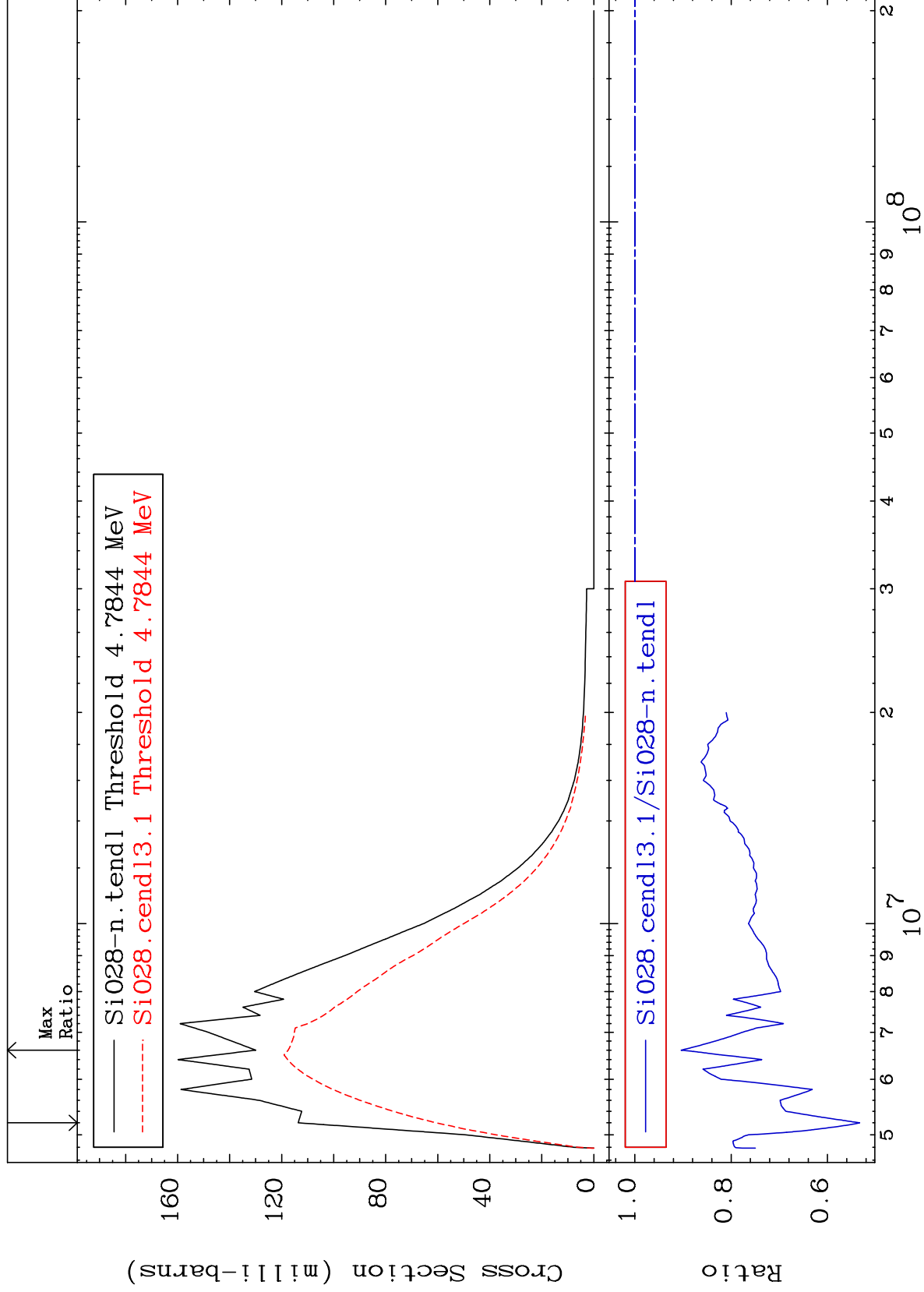
14-Si-28
-58.48 To 9999. %



MAT 1425

4.618 MeV (n,n') Level
Cross Section

14-Si-28
-46.68 To -9.622%



8

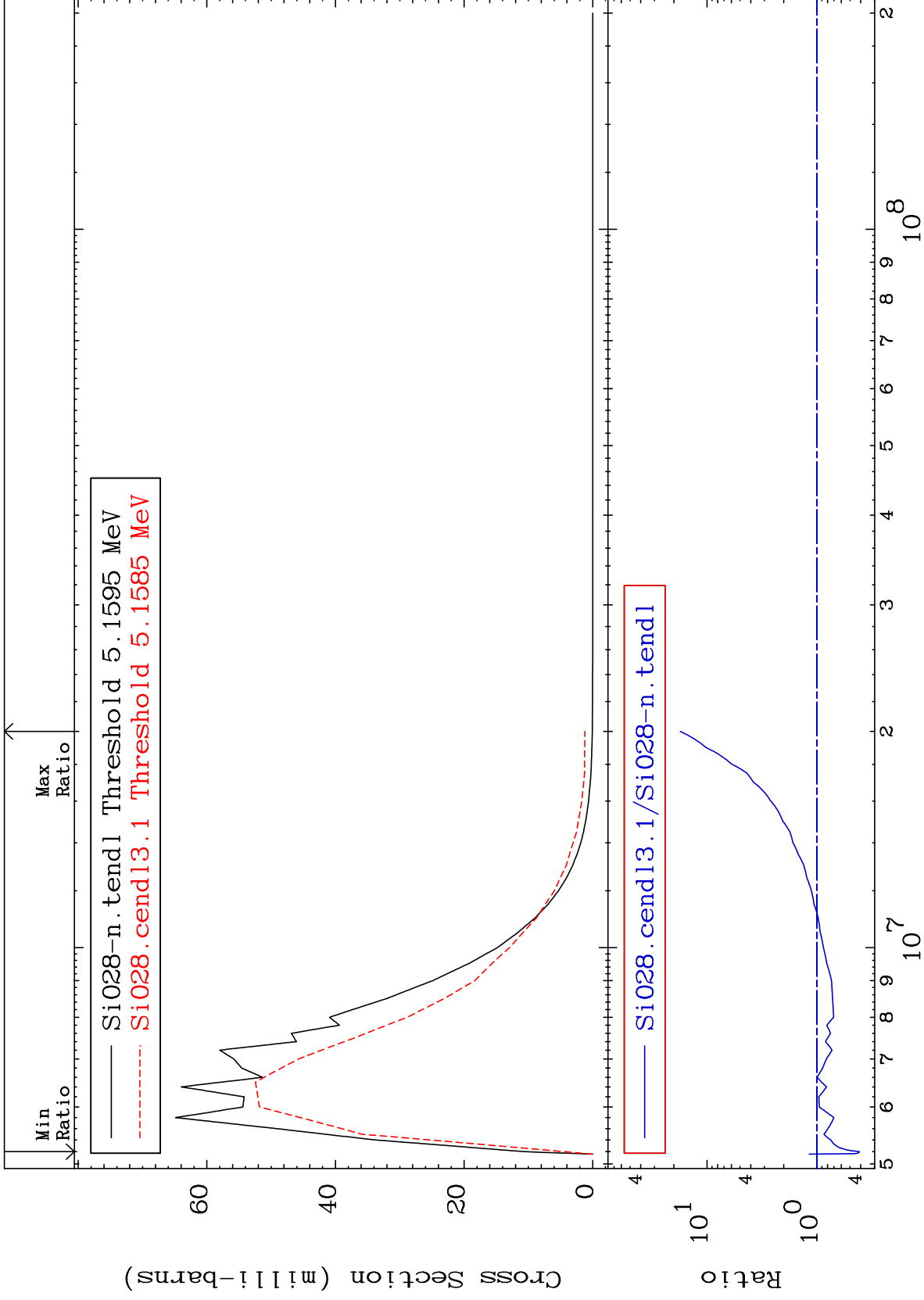
Incident Energy (eV)

14-Si-28

MAT 1425

4.980 MeV (n,n') Level
Cross Section

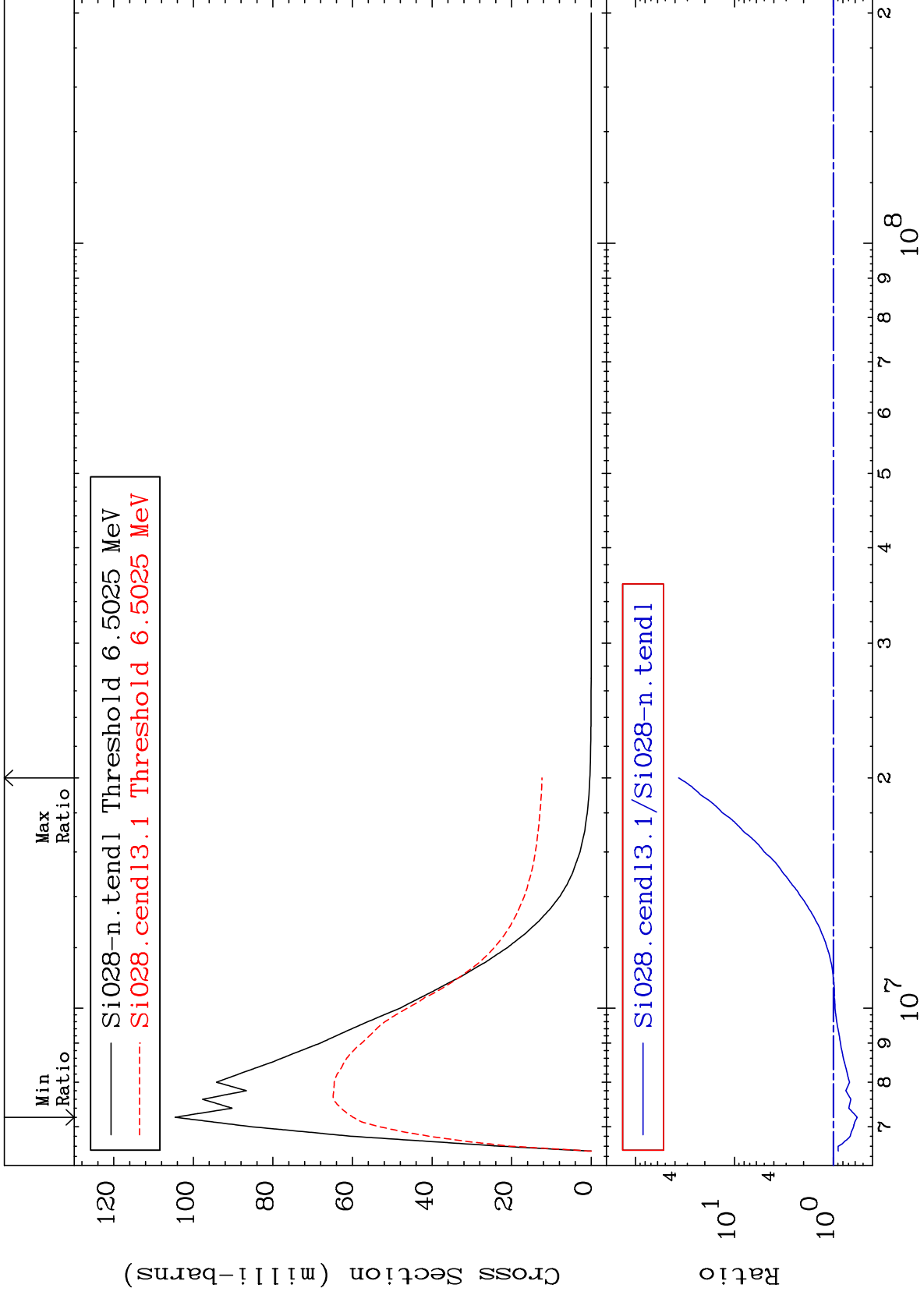
14-Si-28
-58.96 To 1644. %



MAT 1425

6.276 MeV (n,n') Level
Cross Section

14-Si-28
-42.79 To 3571. %



10

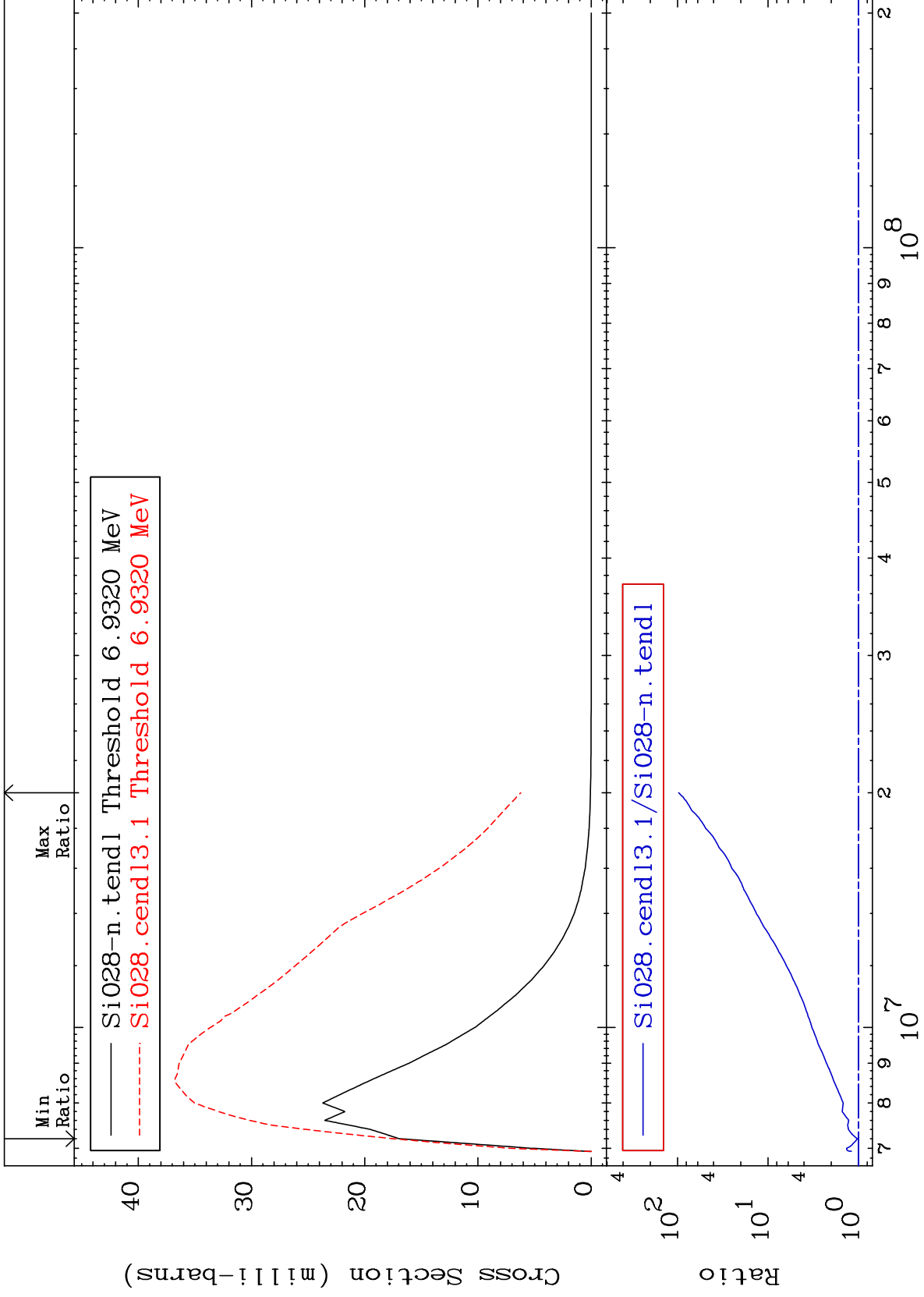
Incident Energy (eV)

14-Si-28

MAT 1425

6.691 MeV (n,n') Level
Cross Section

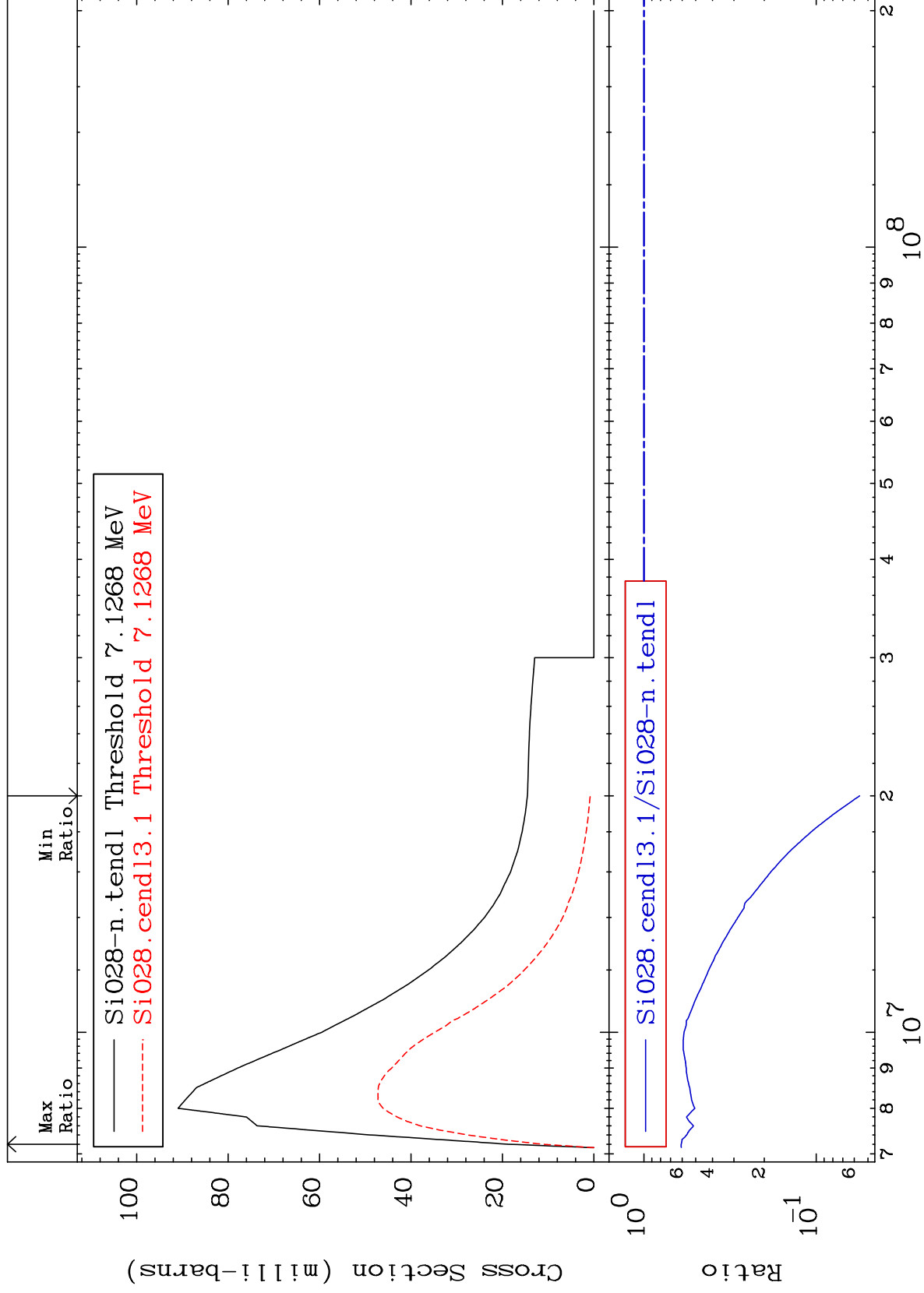
14-Si-28
3.294 To 9627. %



MAT 1425

6.879 MeV (n,n') Level
Cross Section

14-Si-28
-94.41 To -39.24%



12

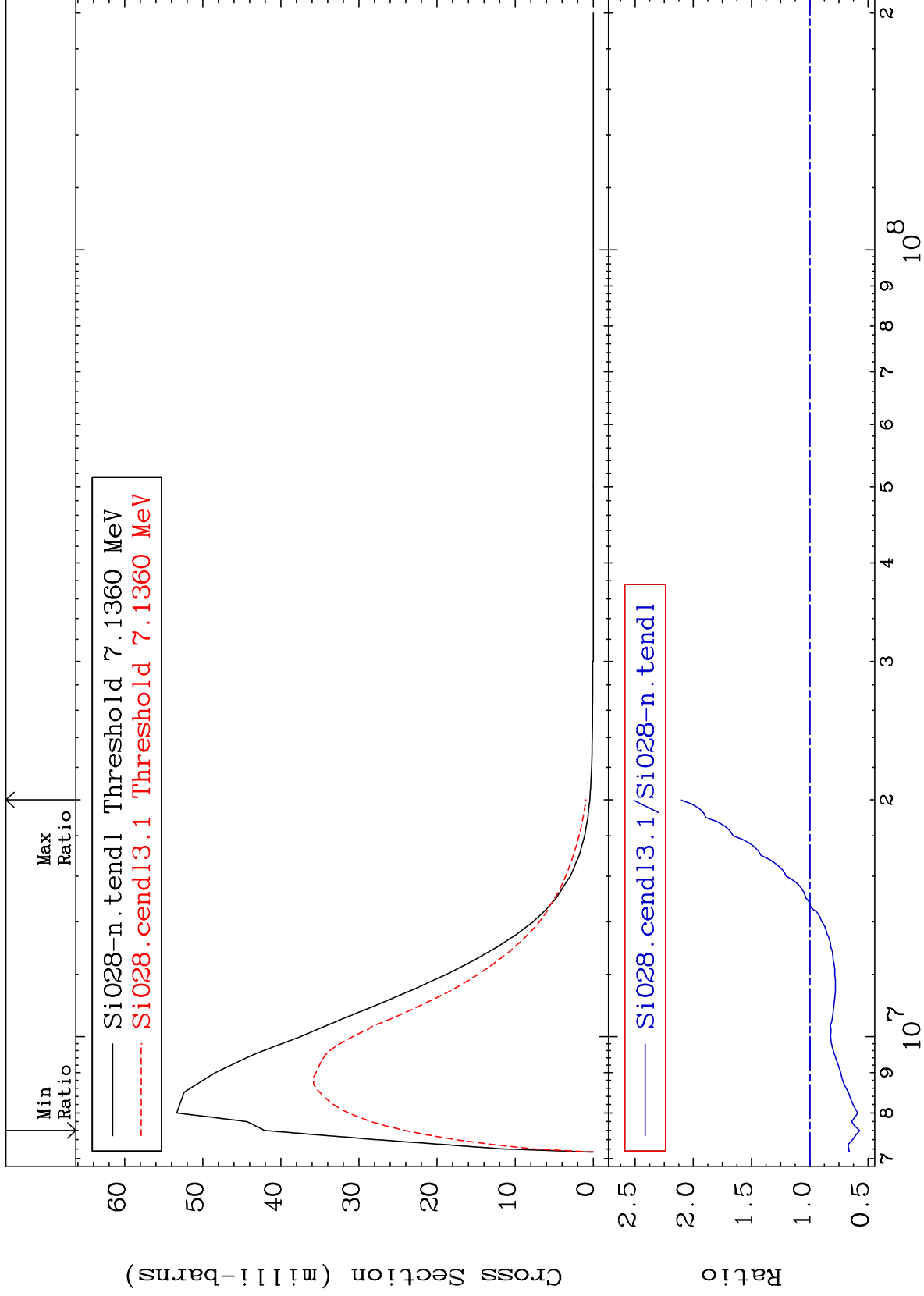
Incident Energy (eV)

14-Si-28

MAT 1425

6.888 MeV (n,n') Level
Cross Section

14-Si-28
-42.74 To 110.8 %



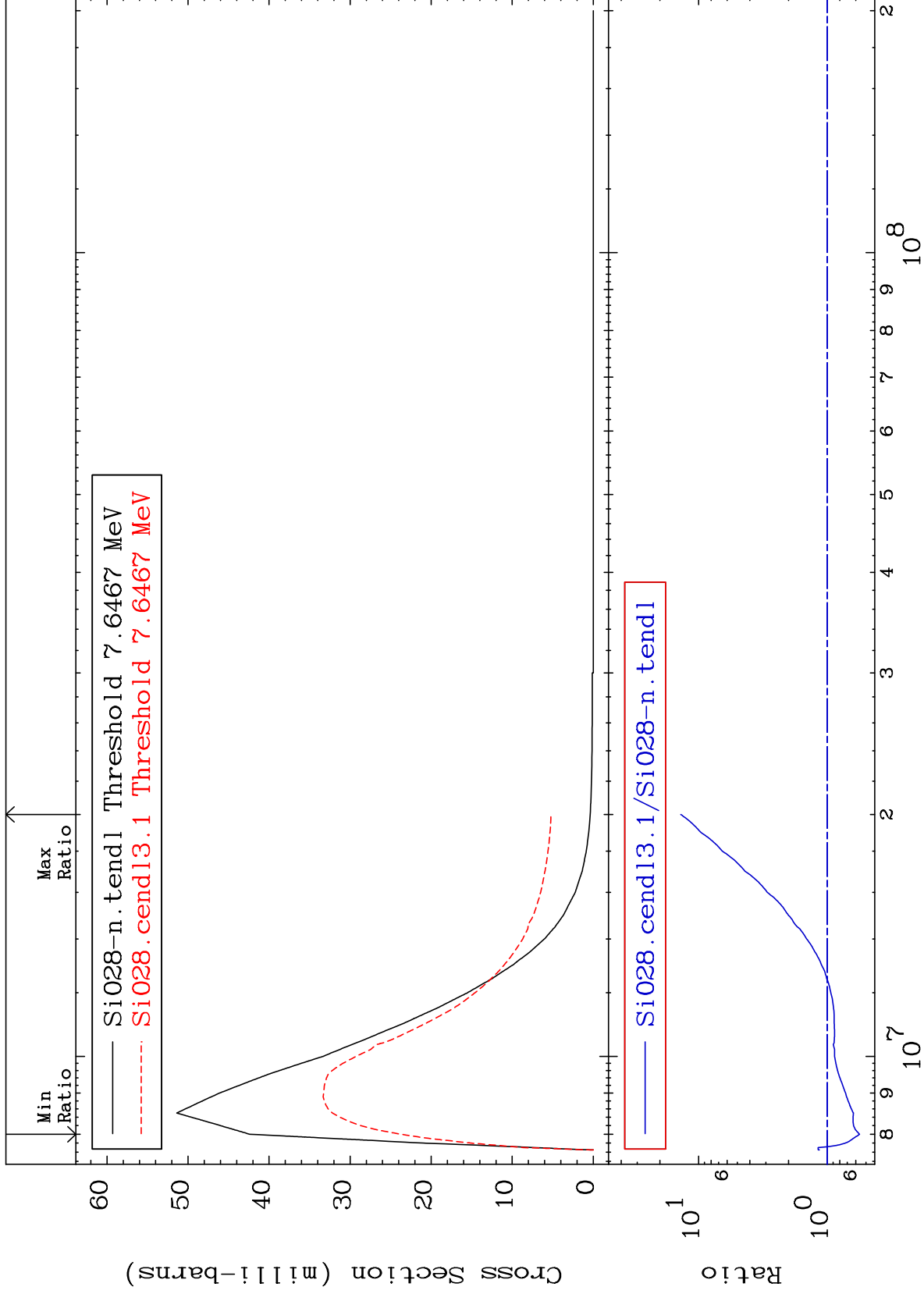
13

14-Si-28

MAT 1425

7.381 MeV (n,n') Level
Cross Section

14-Si-28
-43.87 To 1278. %



14

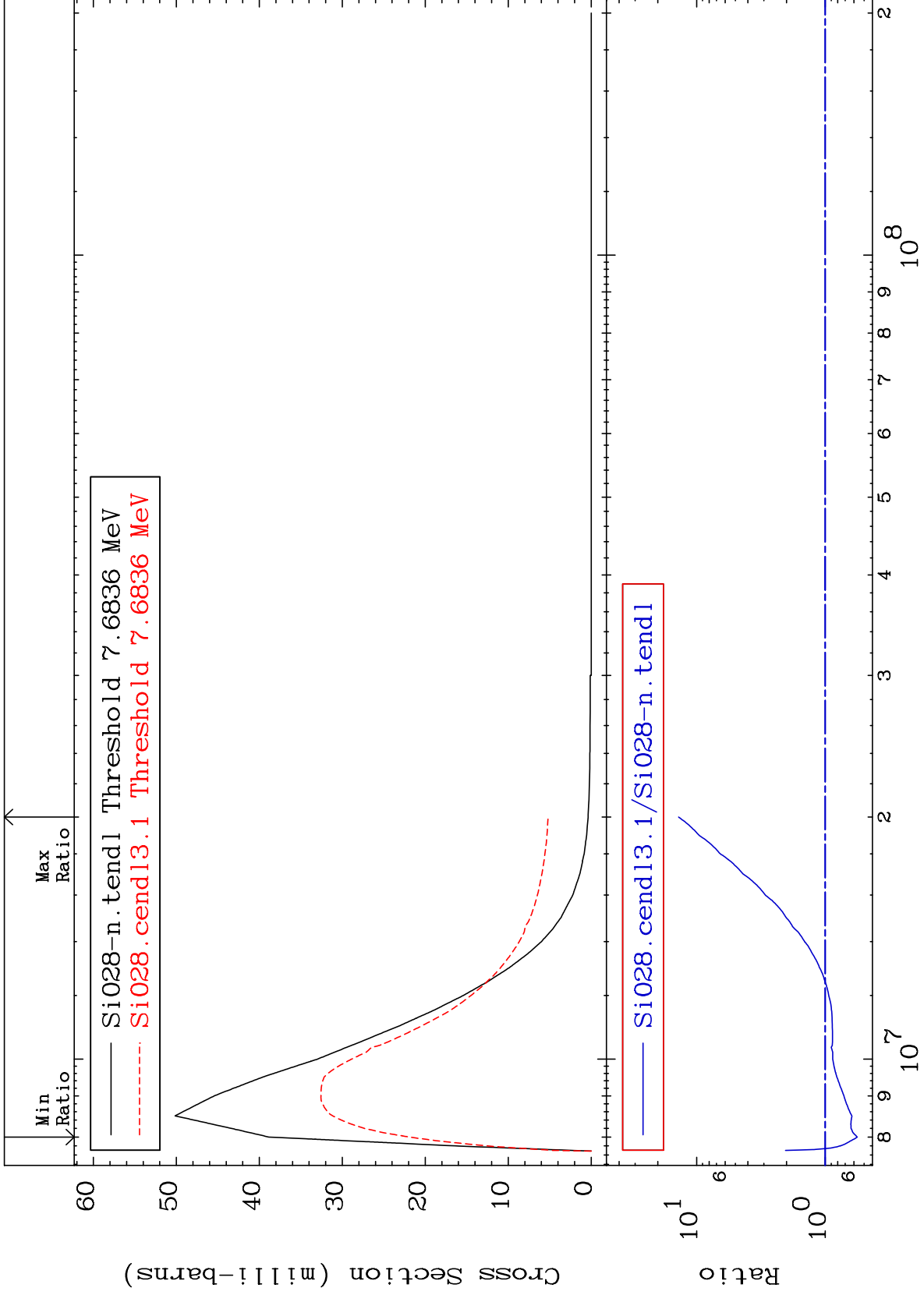
Incident Energy (eV)

14-Si-28

MAT 1425

7.416 MeV (n,n') Level
Cross Section

14-Si-28
-43.54 To 1279. %



15

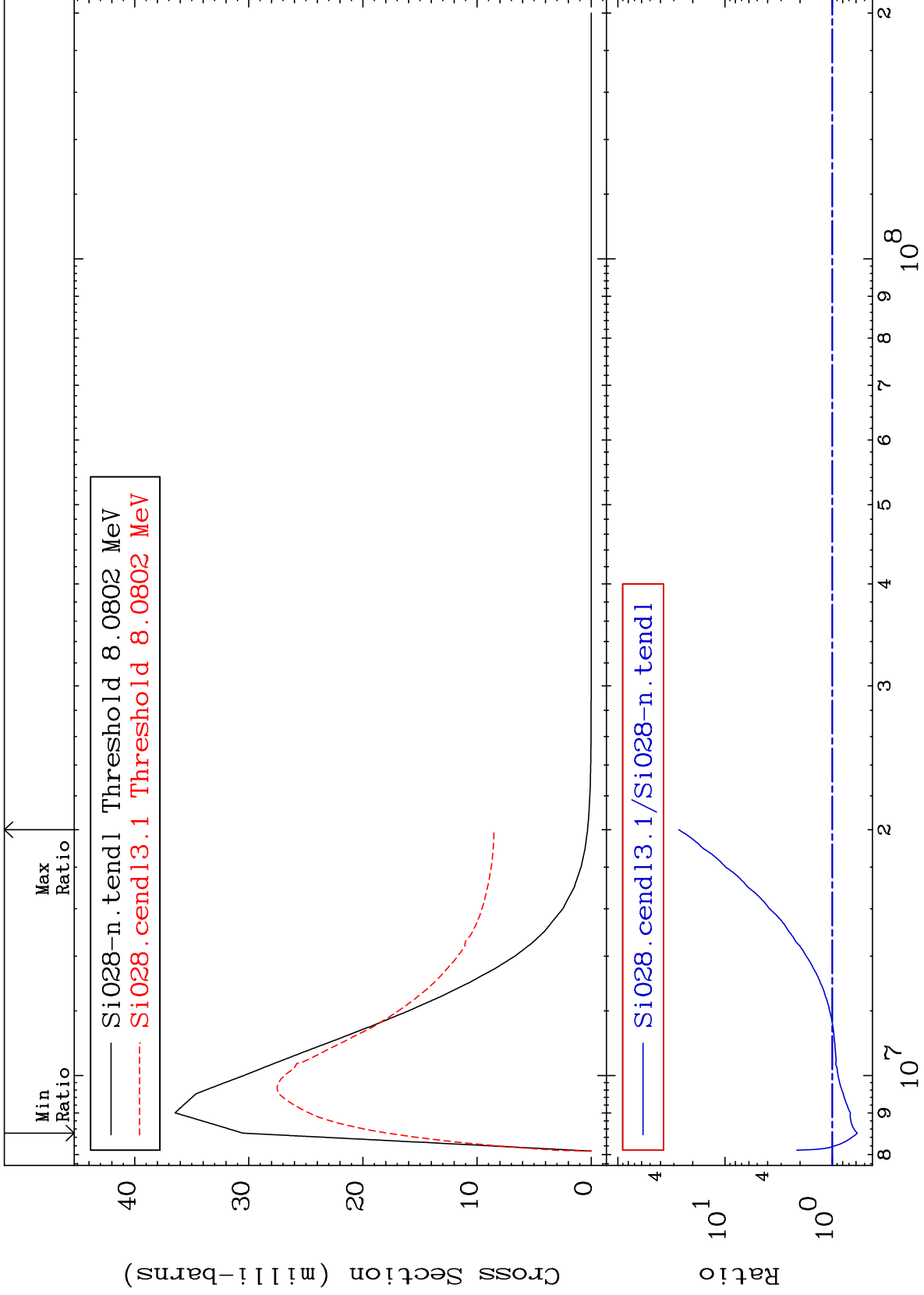
Incident Energy (eV)

14-Si-28

MAT 1425

7.799 MeV (n,n') Level
Cross Section

14-Si-28
-41.58 To 2609. %



16

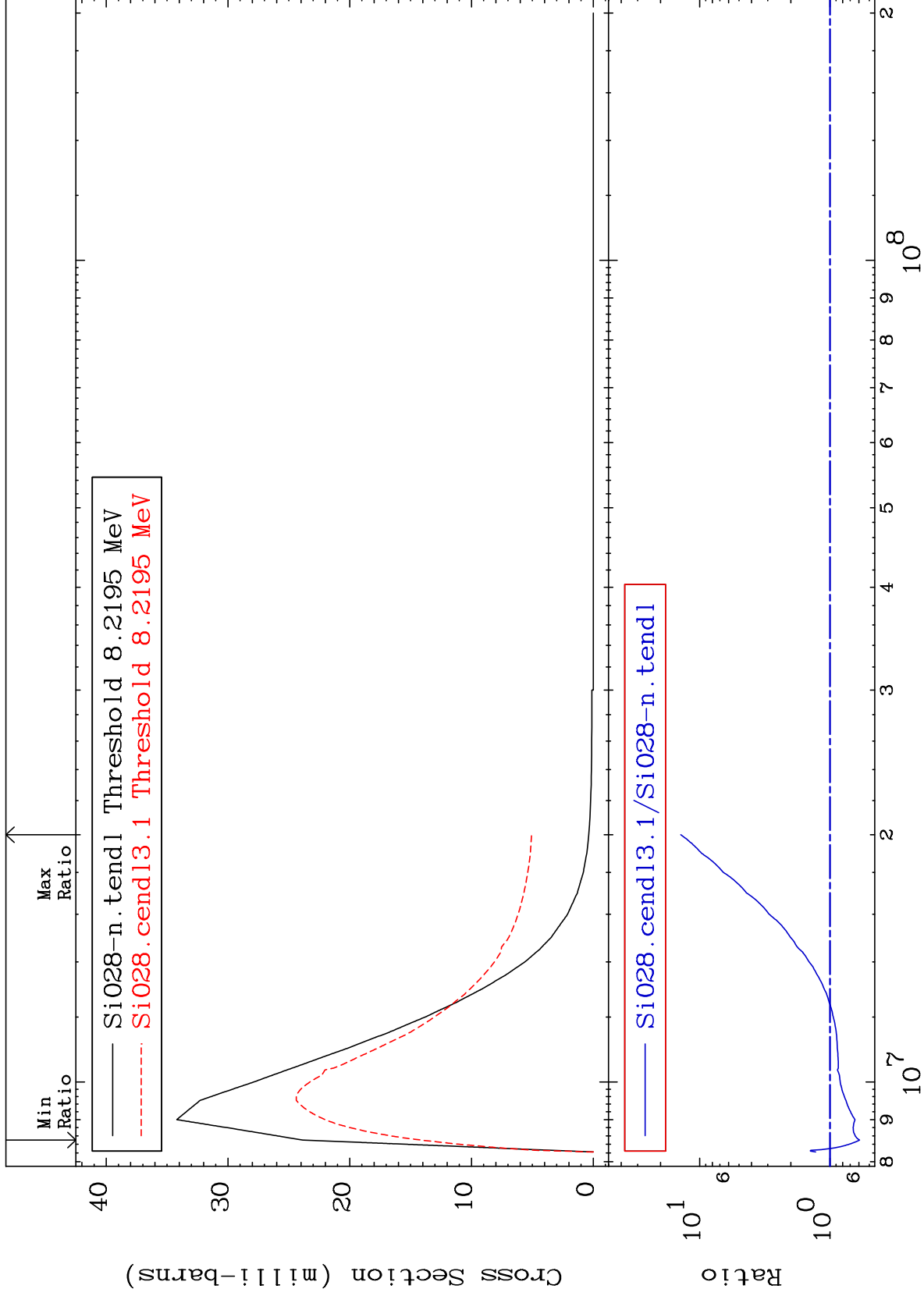
Incident Energy (eV)

14-Si-28

MAT 1425

7.933 MeV (n,n') Level
Cross Section

14-Si-28
-40.66 To 1298. %



17

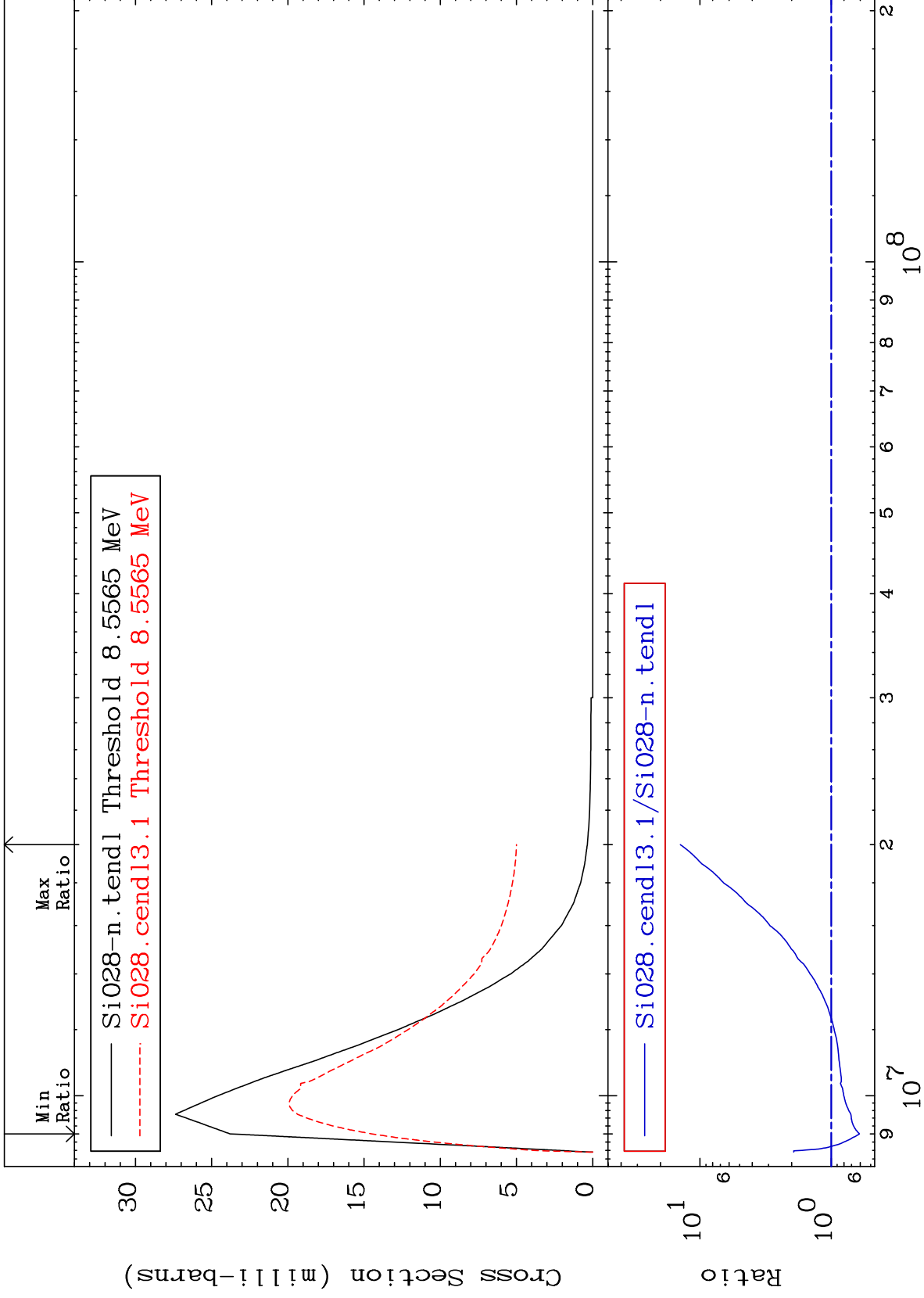
Incident Energy (eV)

14-Si-28

MAT 1425

8.259 MeV (n,n') Level
Cross Section

14-Si-28
-39.08 To 1312. %



18

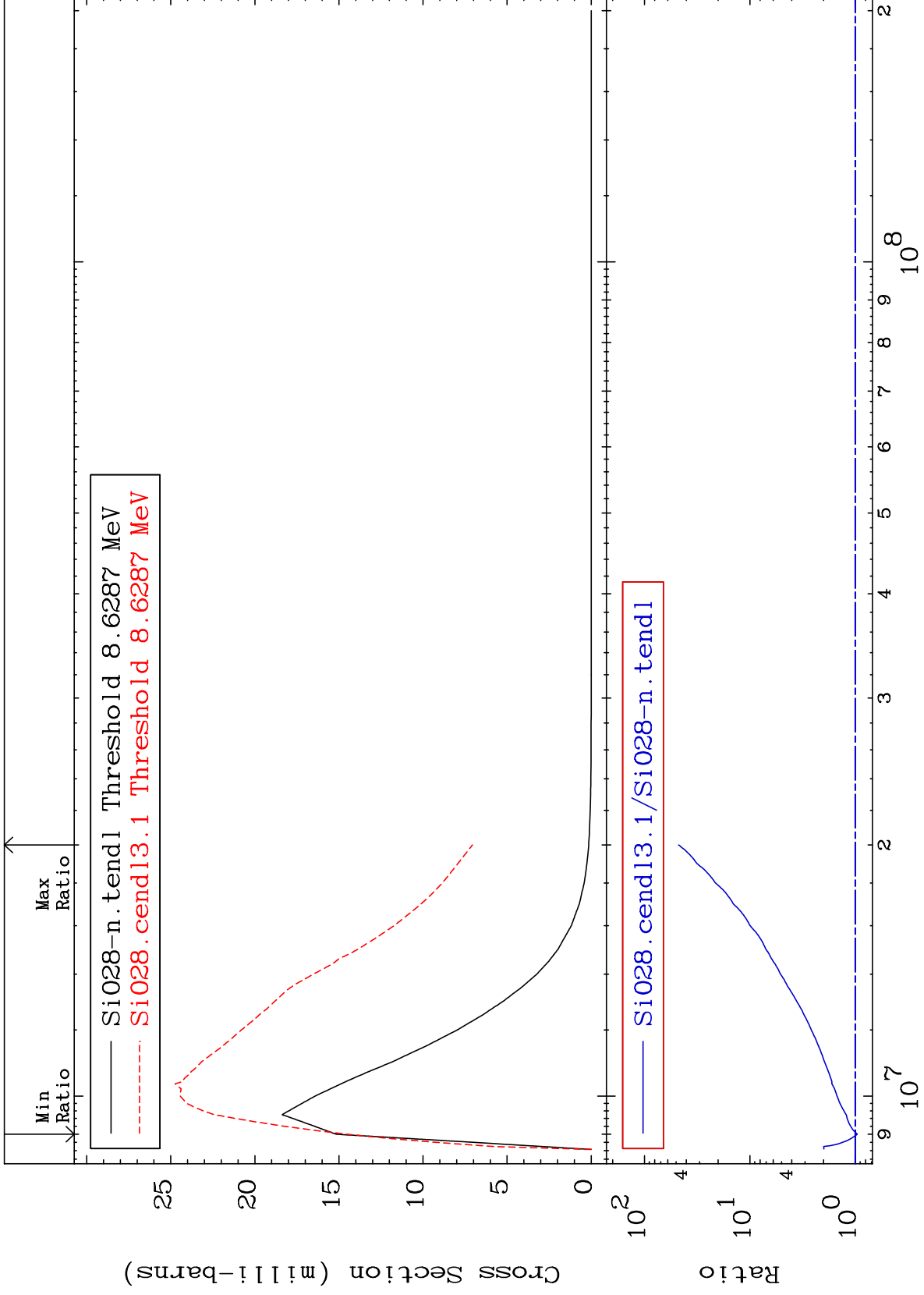
Incident Energy (eV)

14-Si-28

MAT 1425

8.328 MeV (n,n') Level
Cross Section

14-Si-28
-4.231 To 4633. %



19

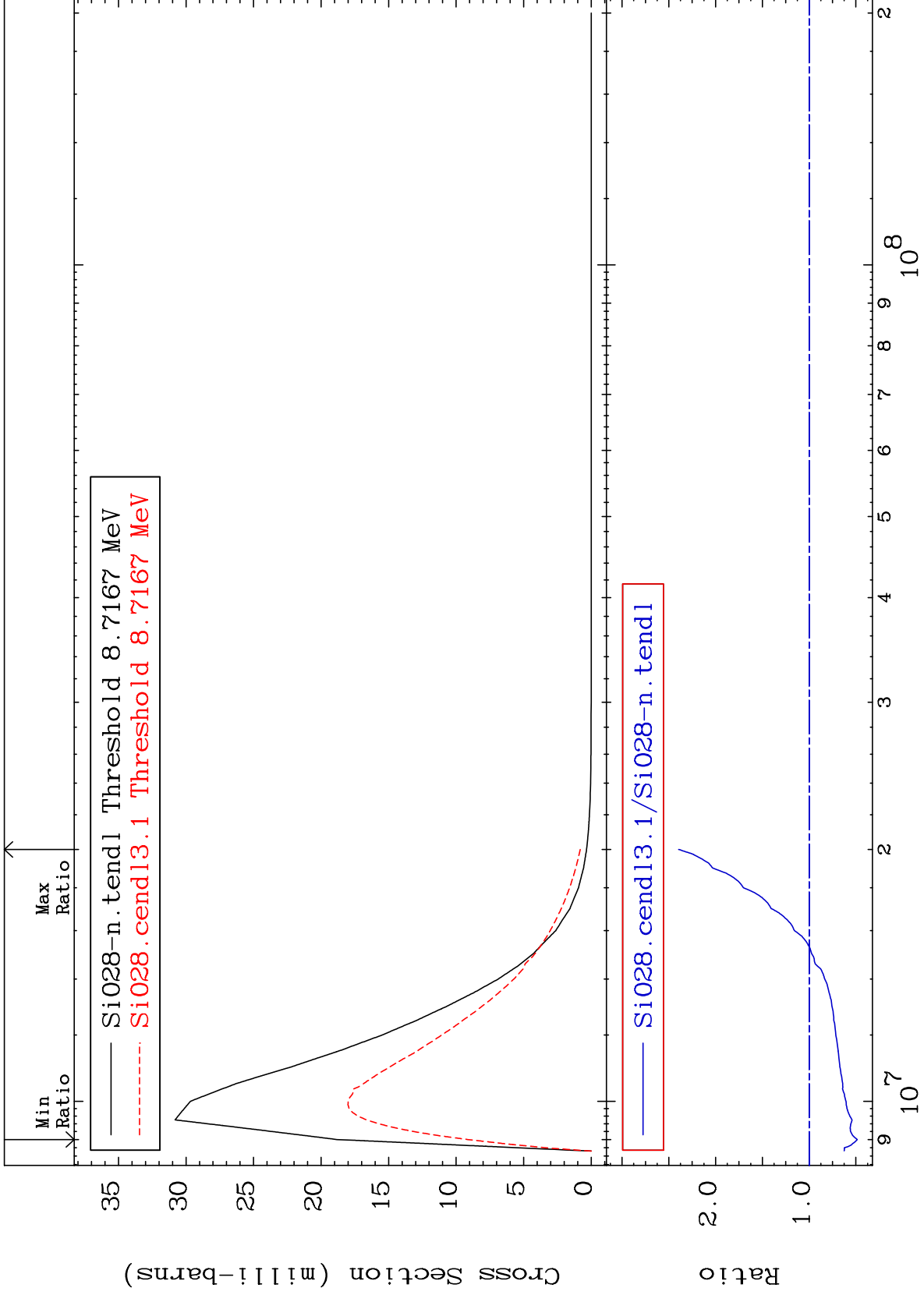
Incident Energy (eV)

14-Si-28

MAT 1425

8.413 MeV (n,n') Level
Cross Section

14-Si-28
-51.45 To 139.5 %



20

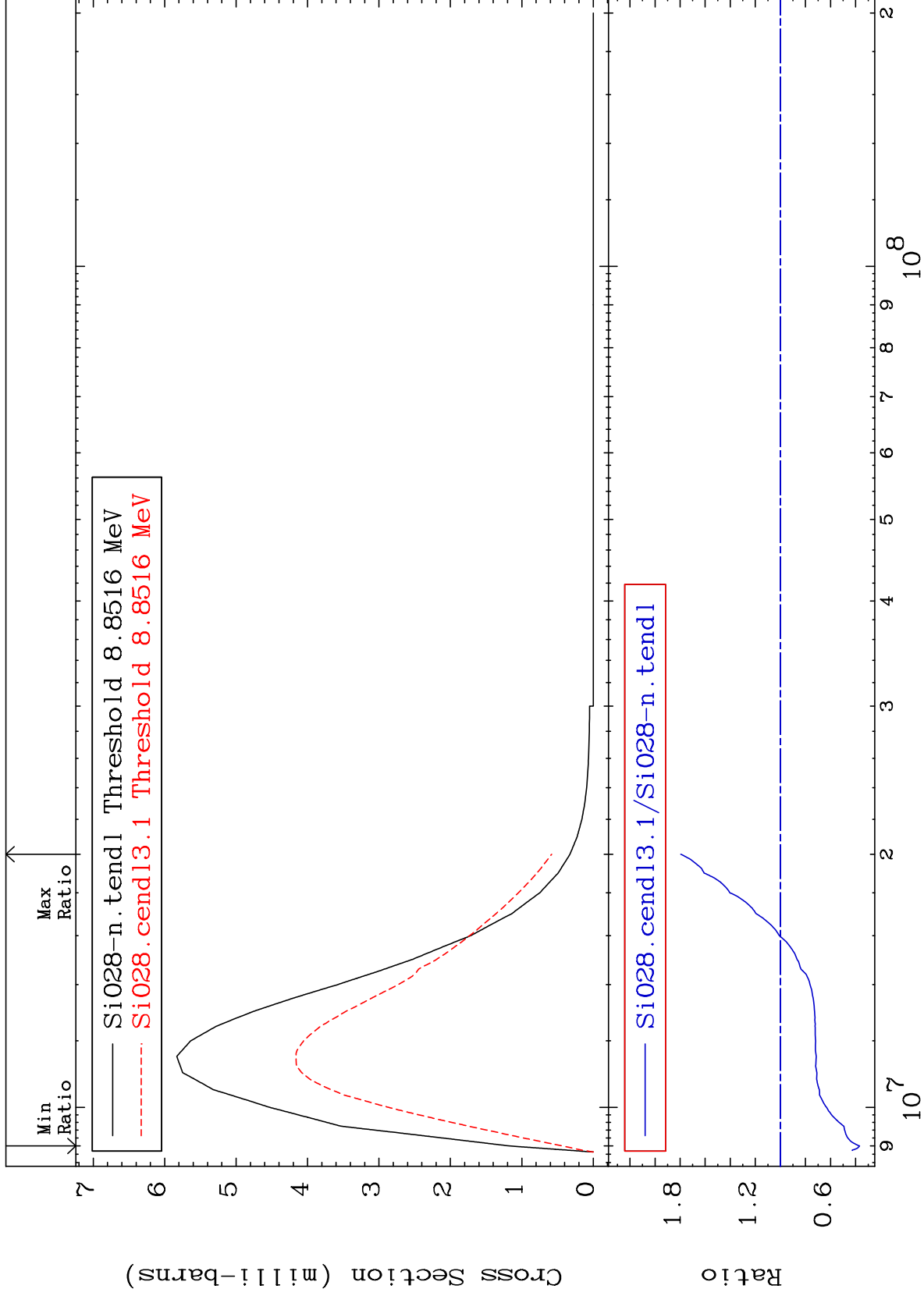
Incident Energy (eV)

14-Si-28

MAT 1425

8.544 MeV (n,n') Level
Cross Section

14-Si-28
-63.10 To 79.47 %



21

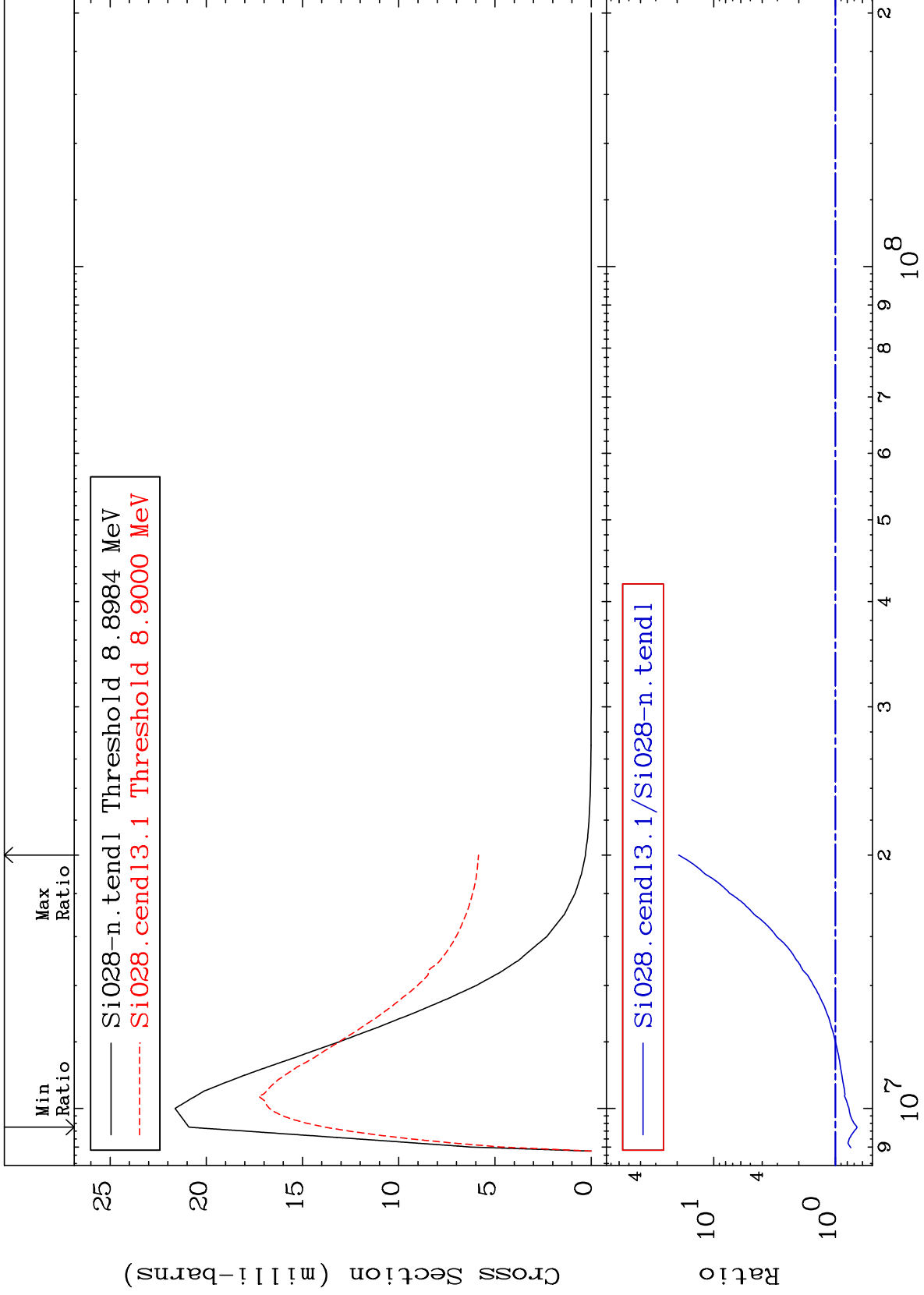
Incident Energy (eV)

14-Si-28

MAT 1425

8.589 MeV (n,n') Level
Cross Section

14-Si-28
-33.89 To 1846. %



22

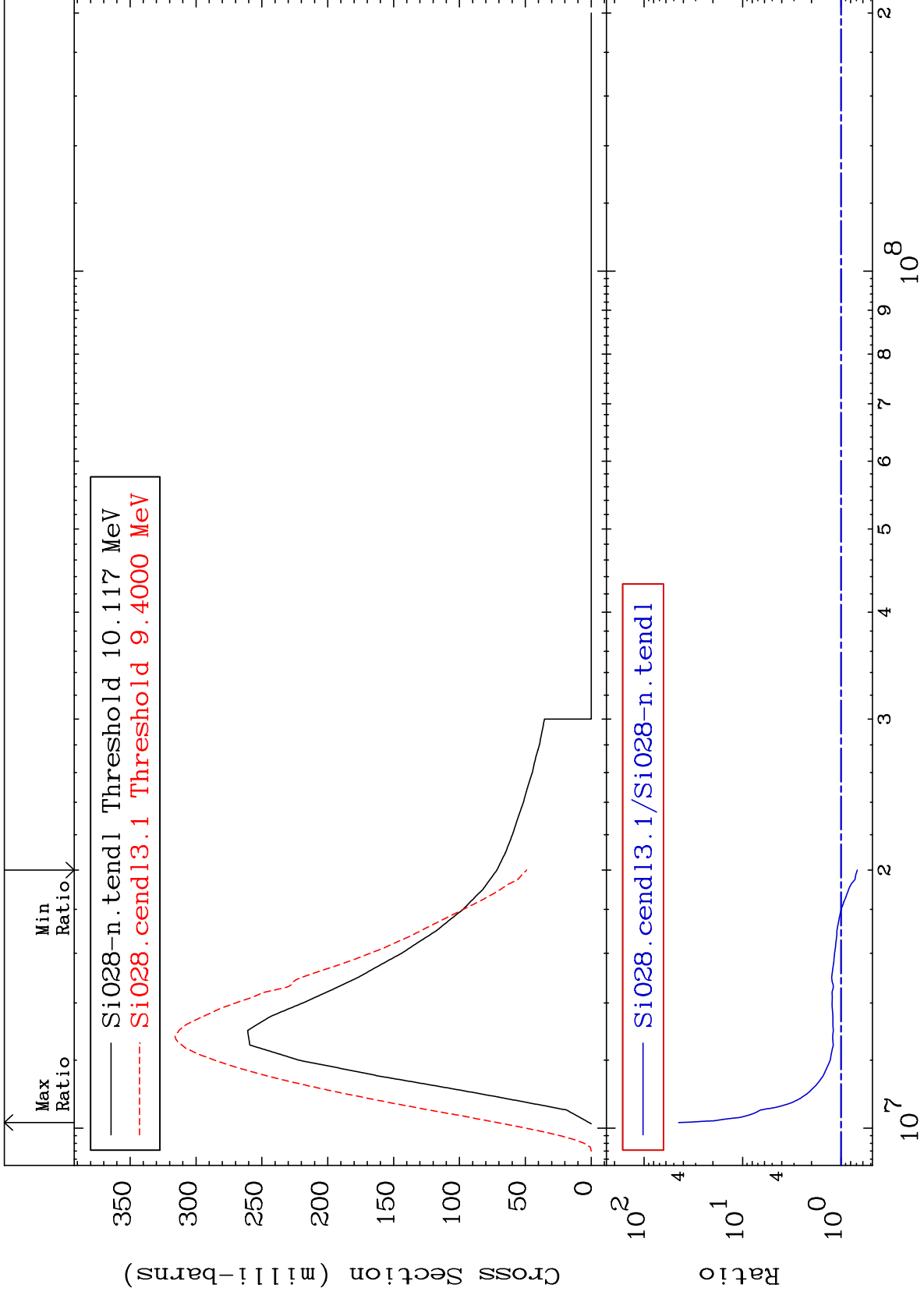
Incident Energy (eV)

14-Si-28

MAT 1425

(n, n') Continuum
Cross Section

14-Si-28
-31.51 To 4360. %



23

Incident Energy (eV)

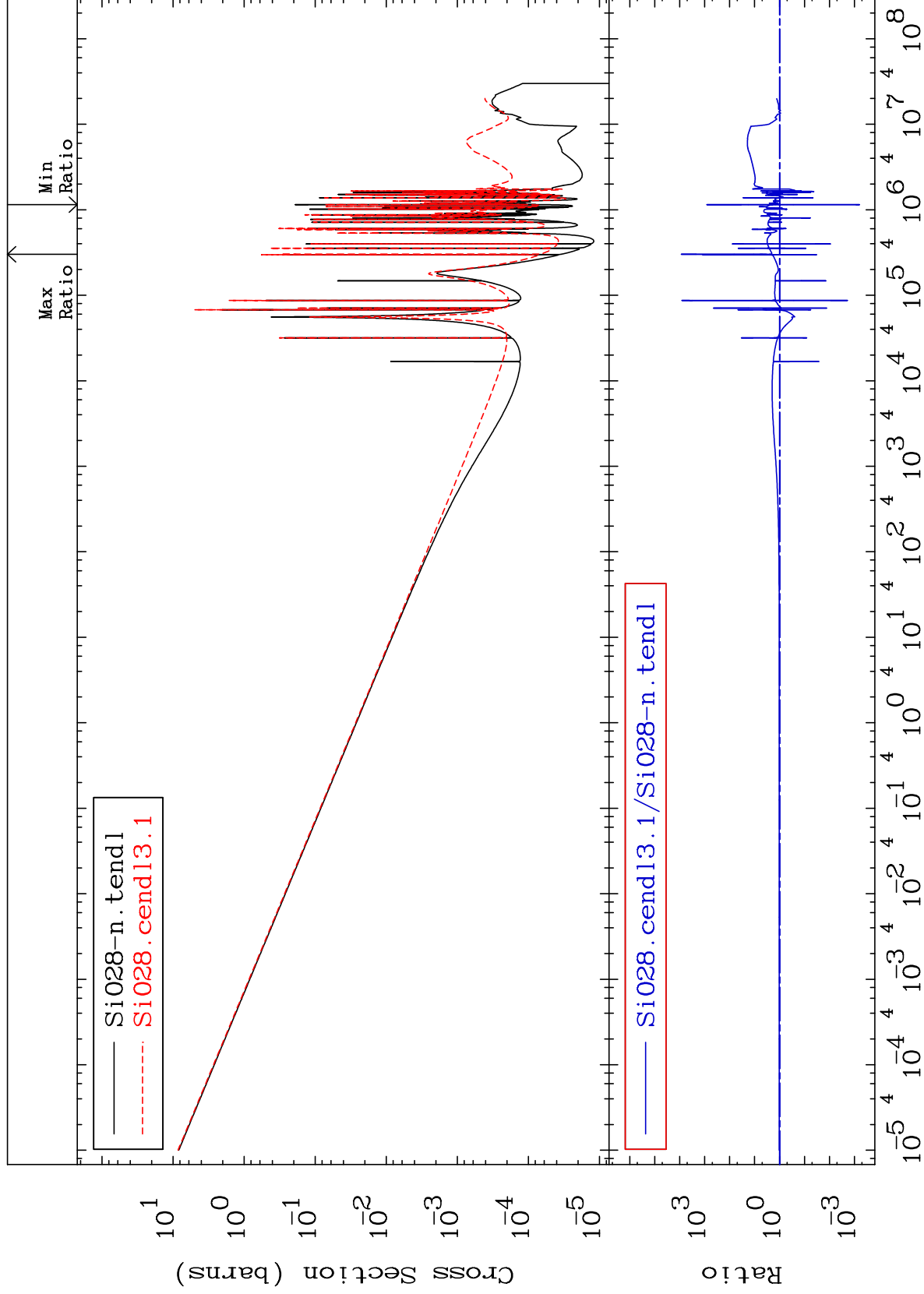
14-Si-28

MAT 1425

14-Si-28

(n, γ)
Cross Section

-99.94 To 9999. %



24

Incident Energy (eV)

14-Si-28

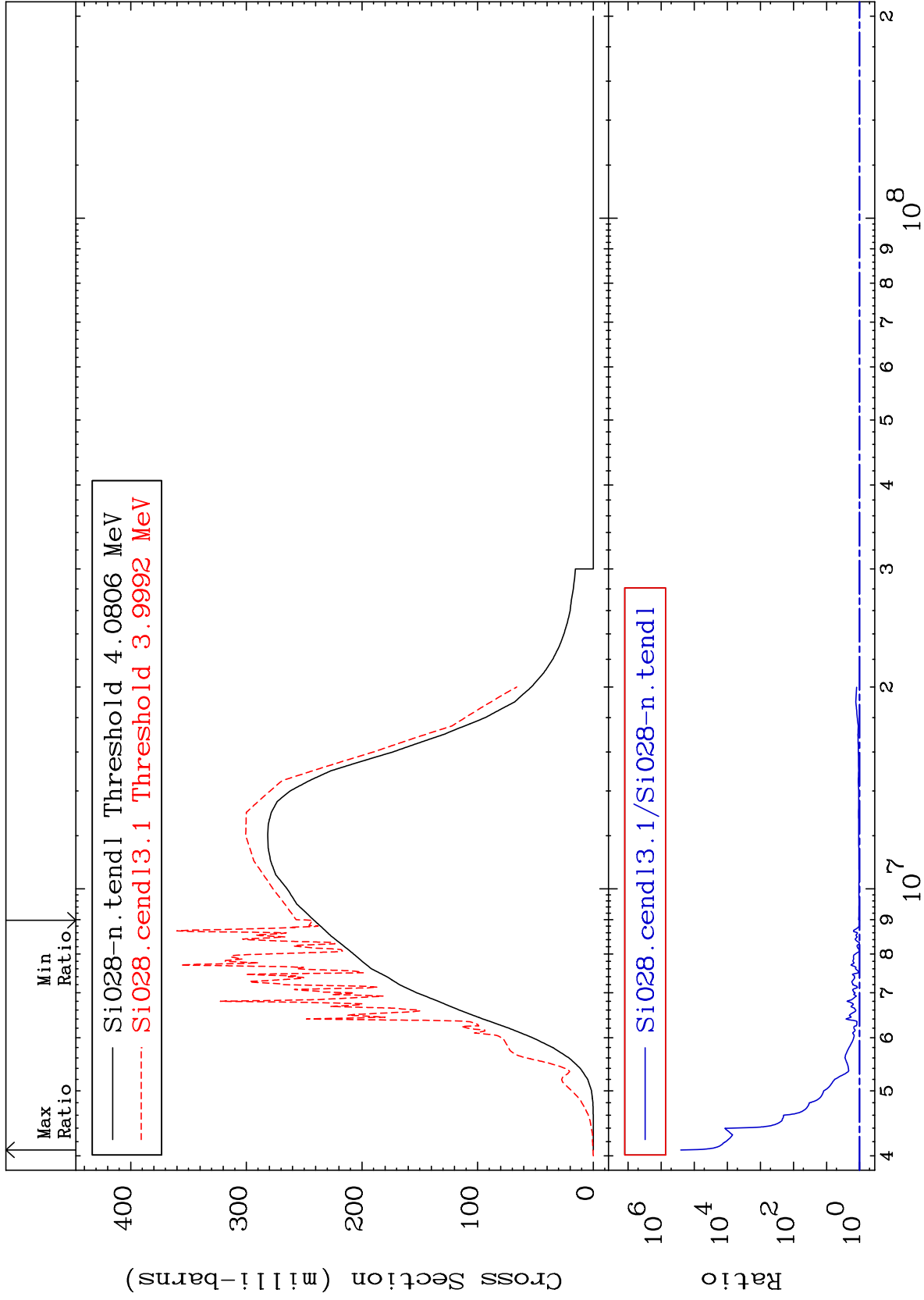
MAT 1425

(n,p)

14-Si-28

Cross Section

0.540 To 9999. %



25

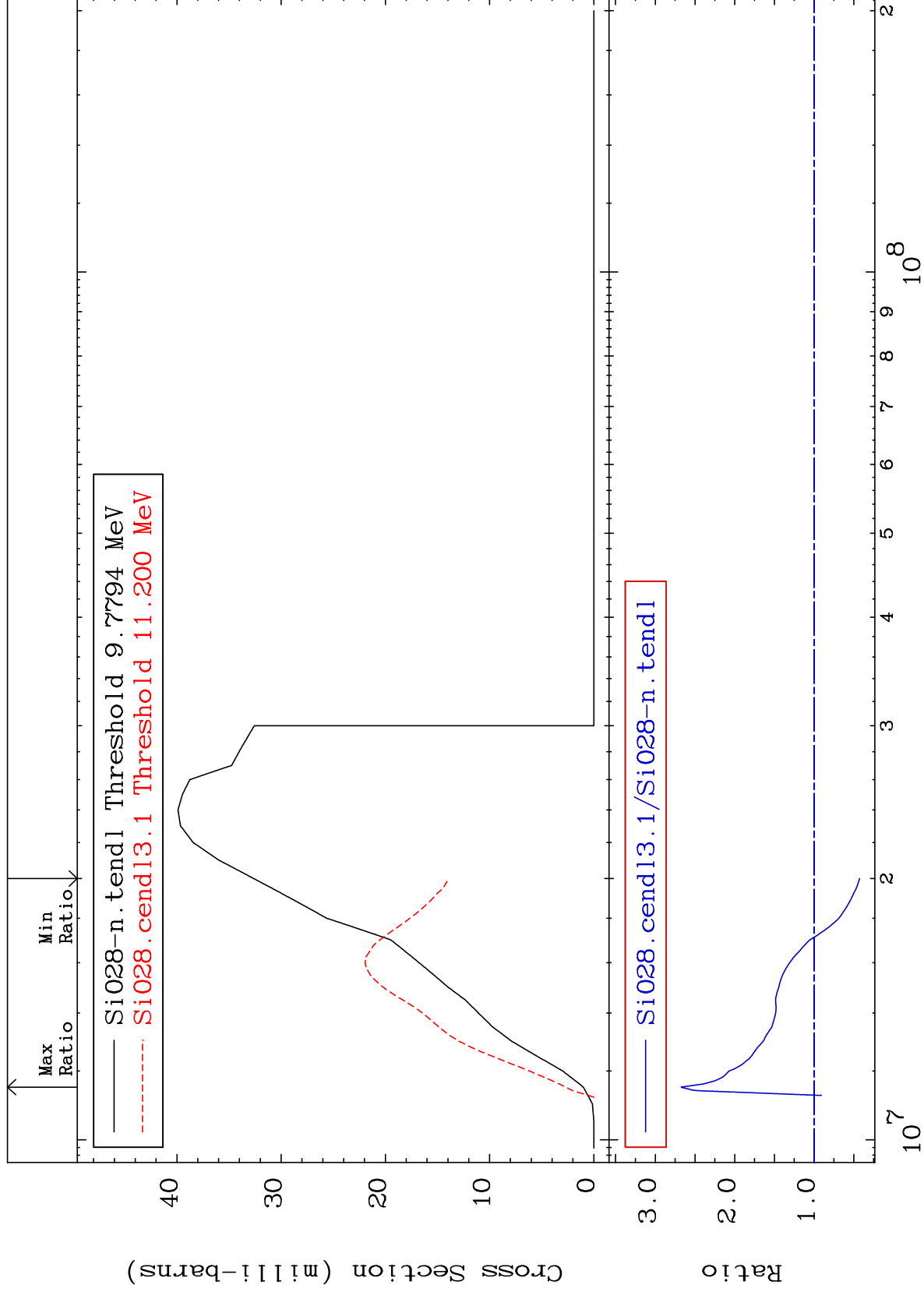
Incident Energy (eV)

14-Si-28

MAT 1425

(n, d)
Cross Section

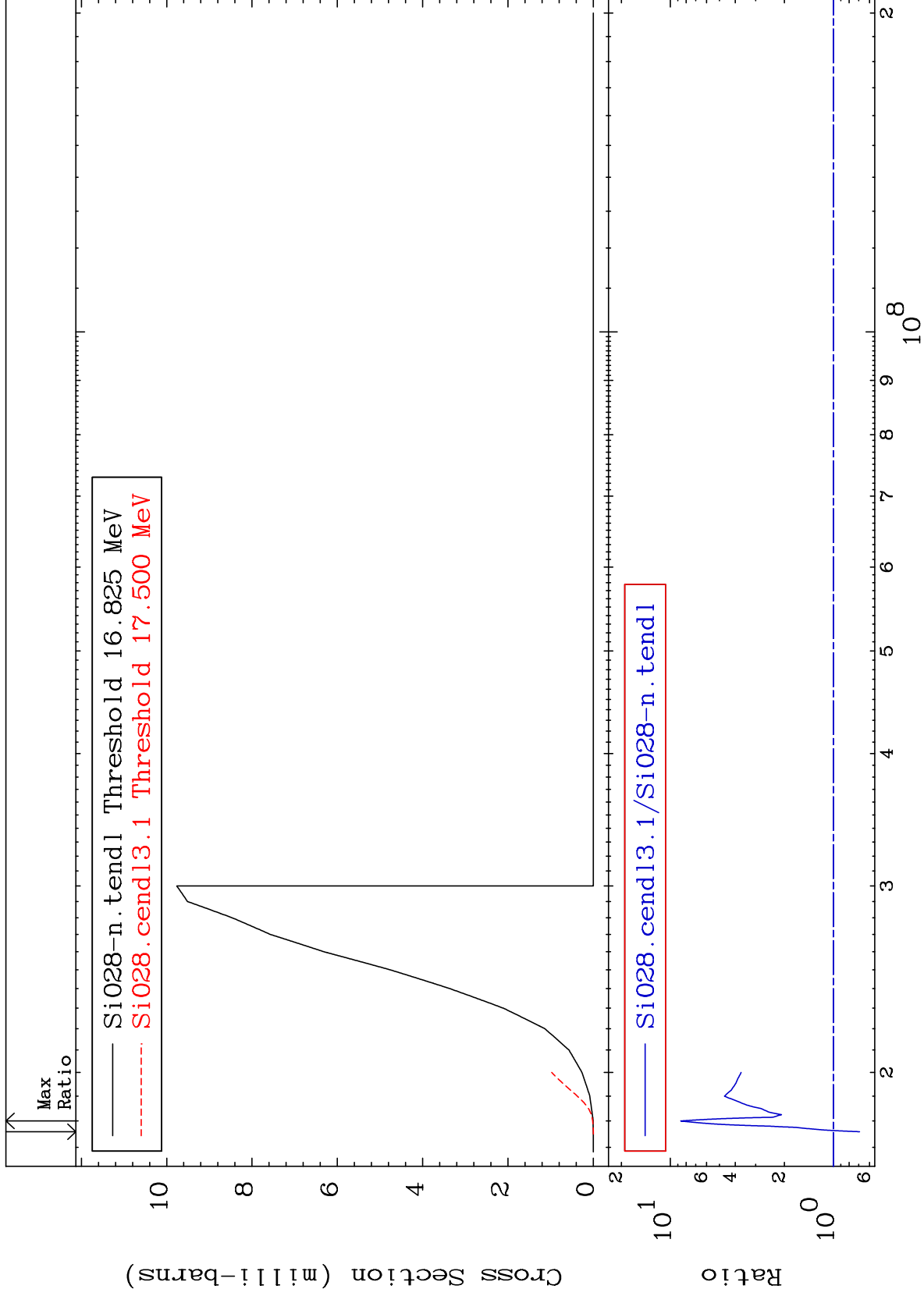
14-Si-28
-57.35 To 167.4 %



MAT 1425

(n, t)
Cross Section

¹⁴Si-28
-30.88 To 763.4 %



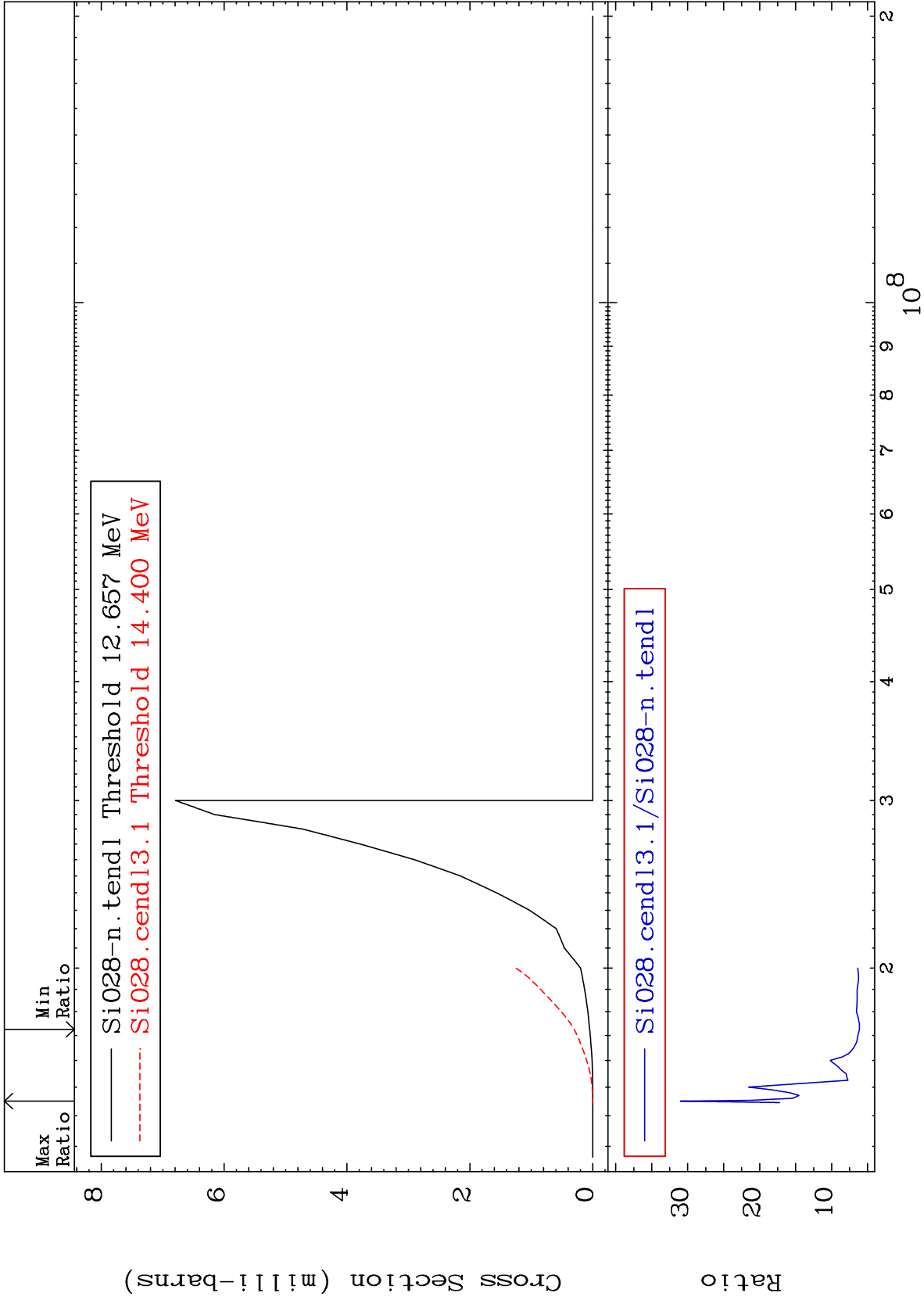
MAT 1425

(n, He-3)

¹⁴Si-28

Cross Section

514.2 To 3002. %



28

¹⁴Si-28

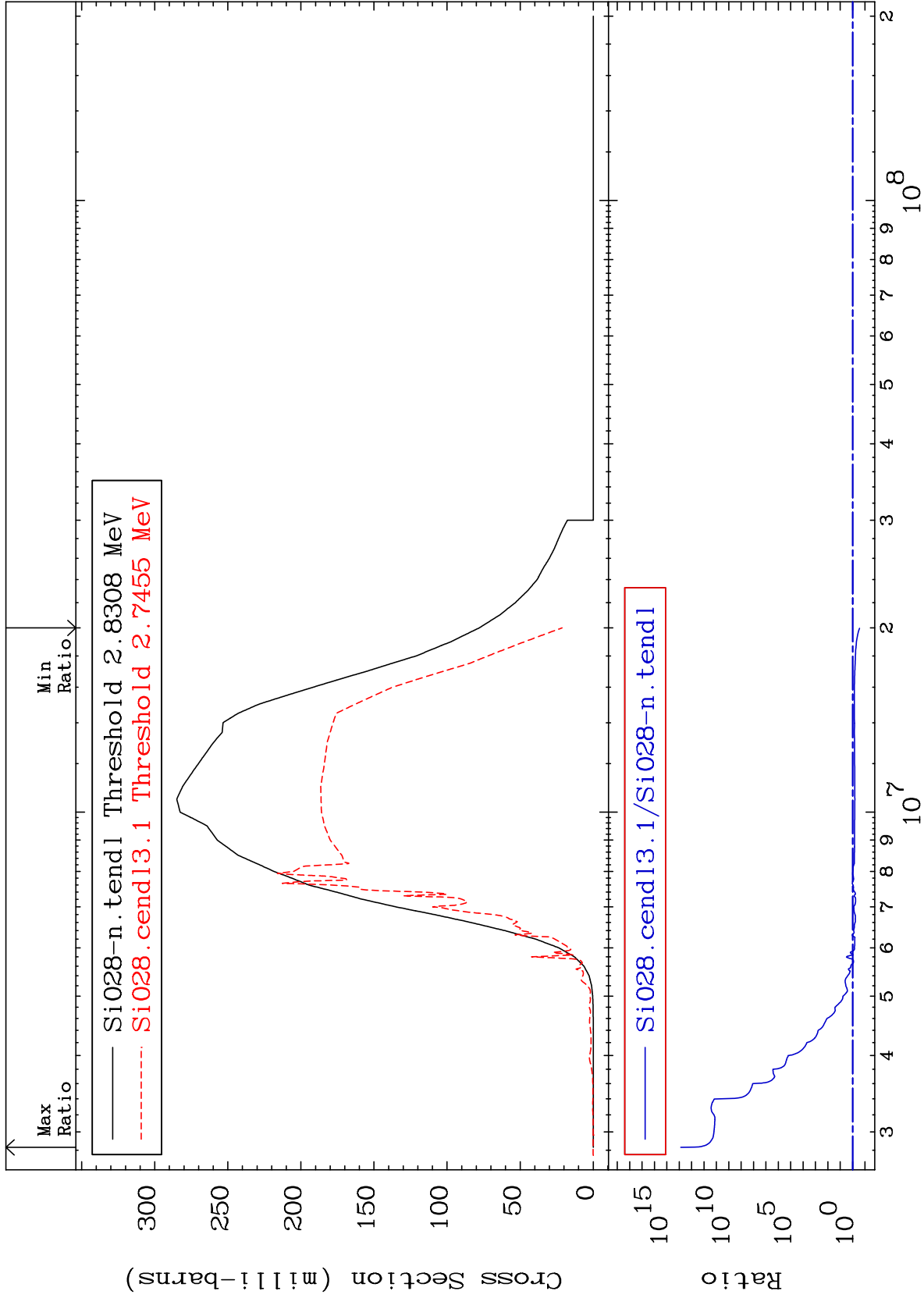
MAT 1425

(n, α)

14-Si-28

Cross Section

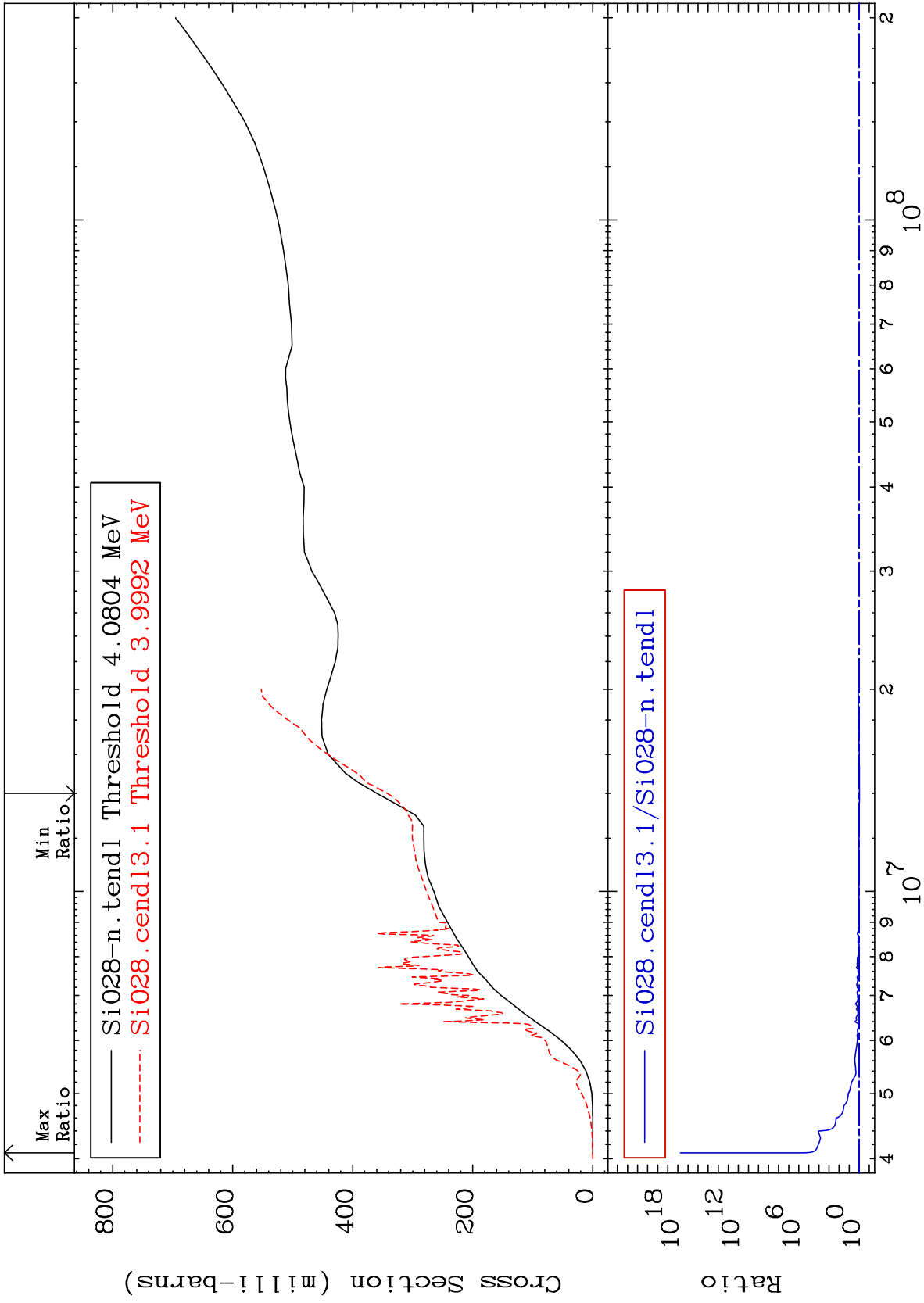
-72.65 To 9999. %



MAT 1425

Hydrogen Production
Cross Section

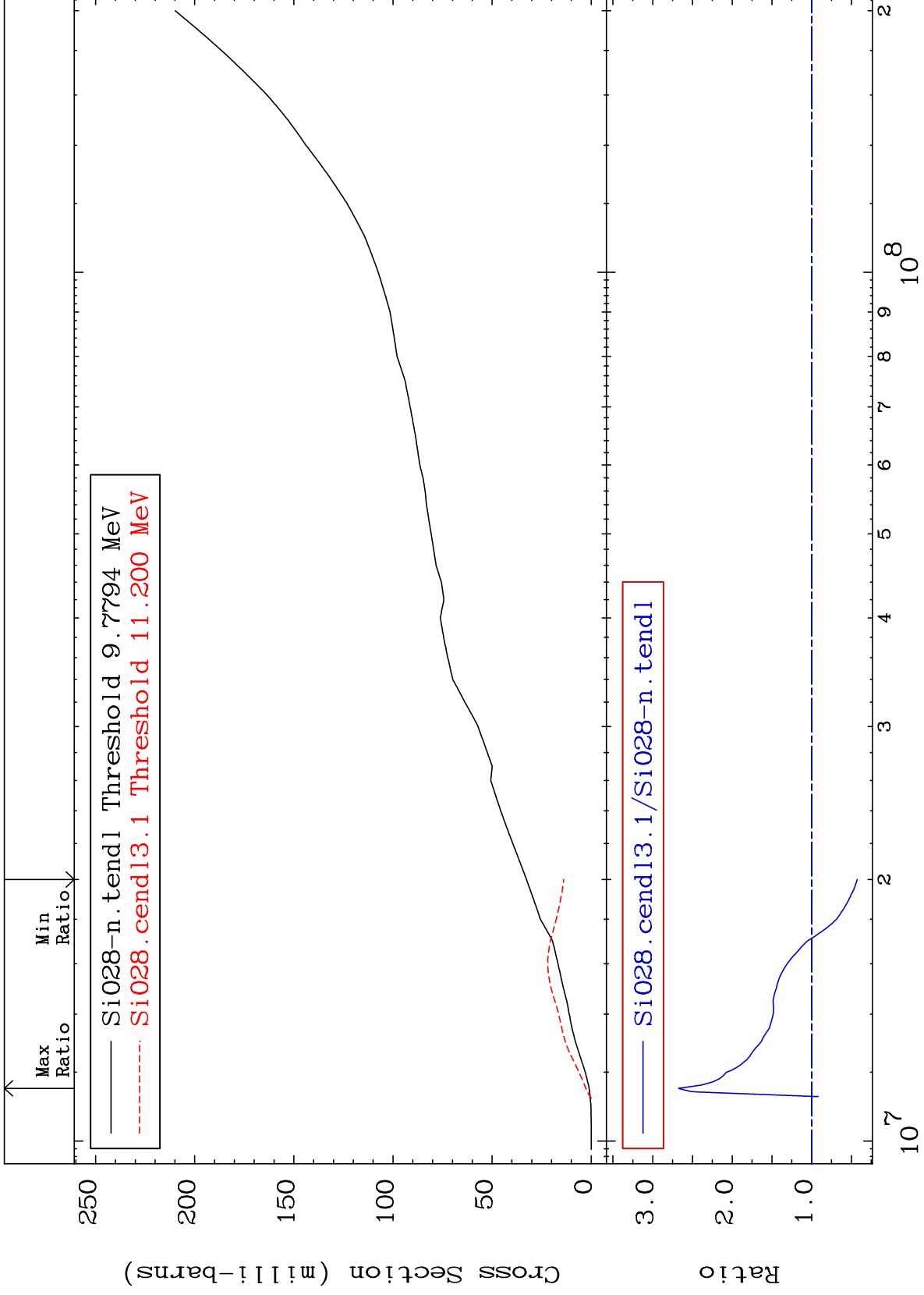
14-Si-28
-4.815 To 9999. %



MAT 1425

Deuterium Production
Cross Section

¹⁴Si-28
-57.35 To 167.4 %



31

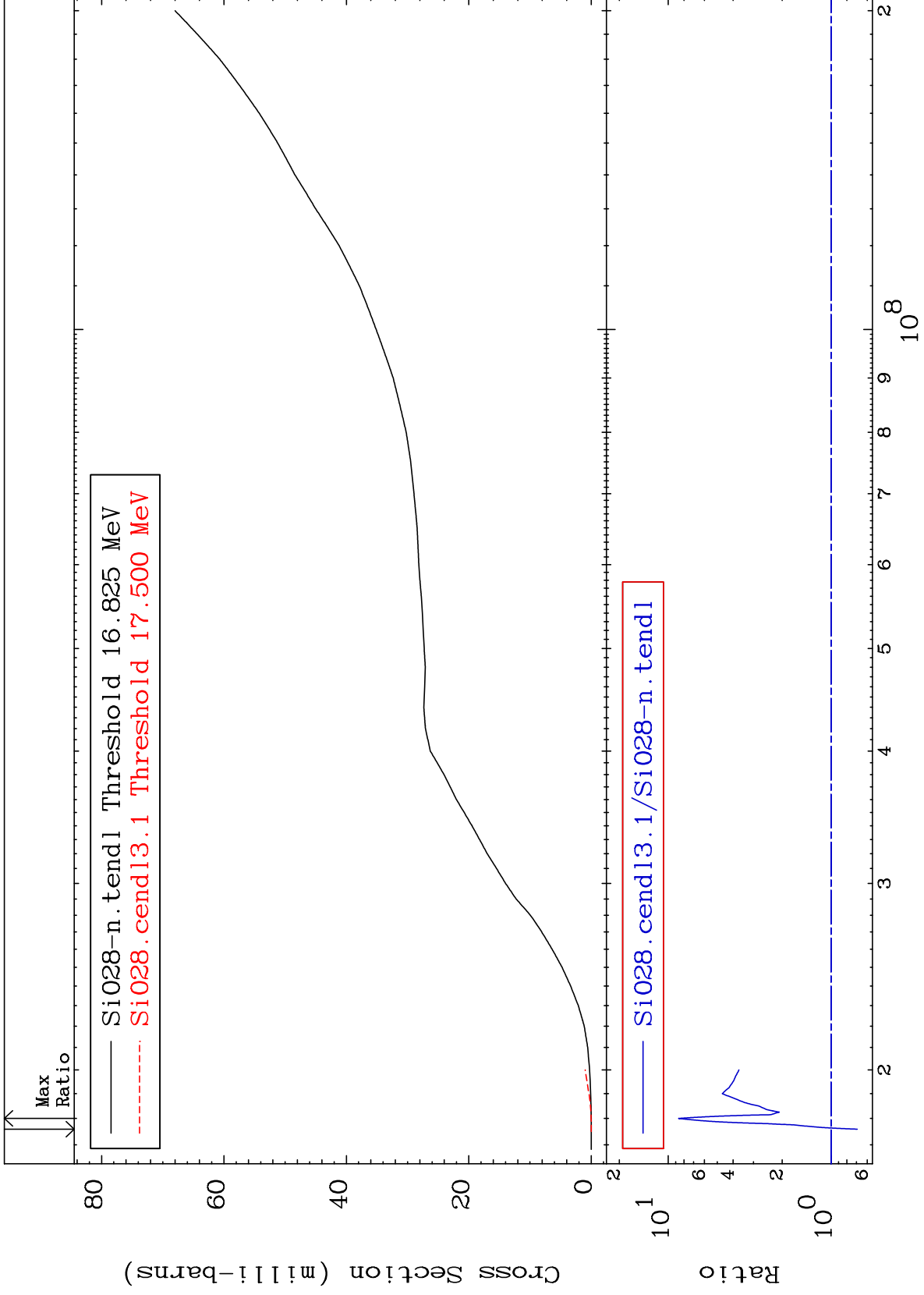
Incident Energy (eV)

¹⁴Si-28

MAT 1425

Tritium Production
Cross Section

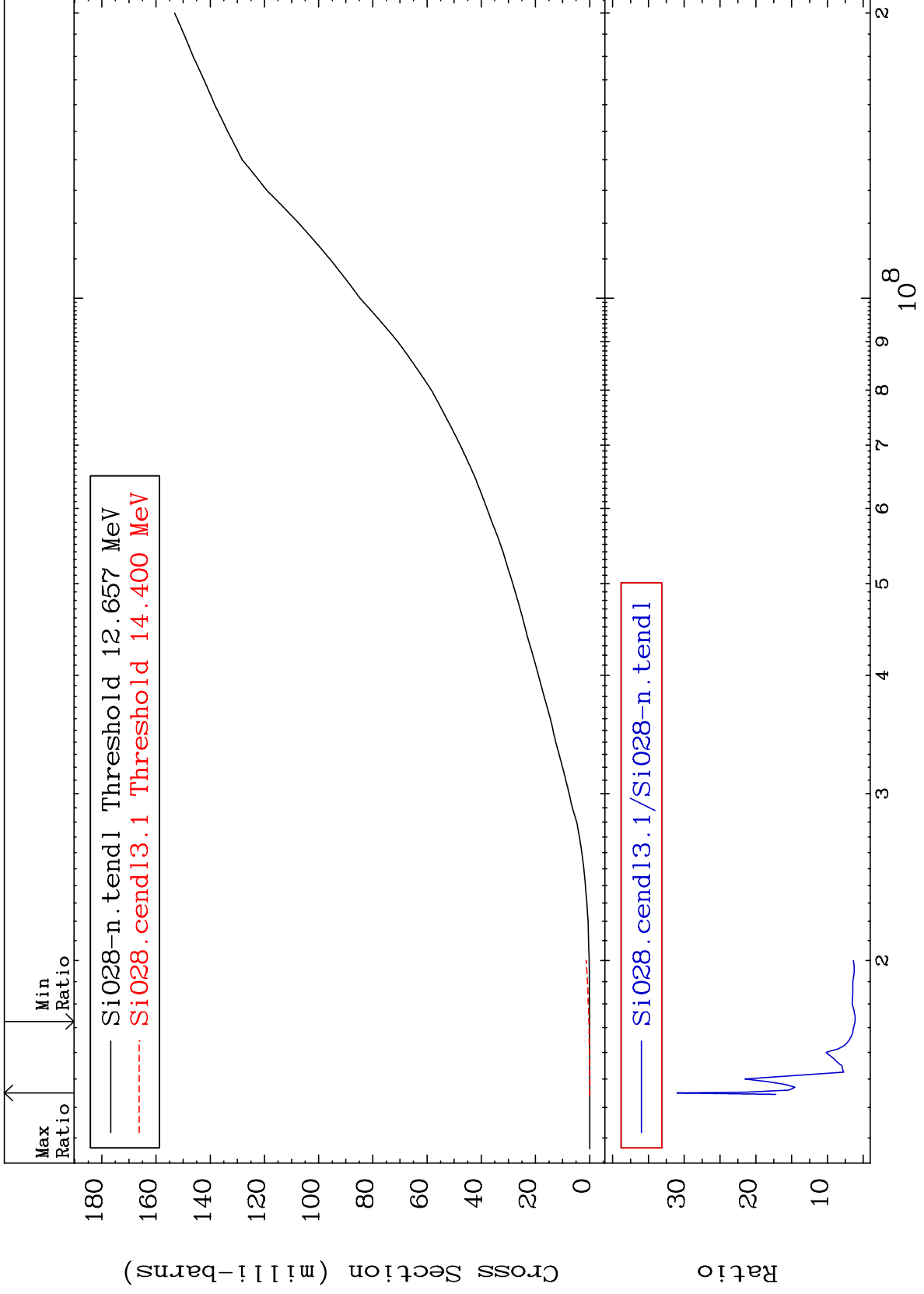
¹⁴Si-28
-30.88 To 763.4 %



MAT 1425

He-3 Production
Cross Section

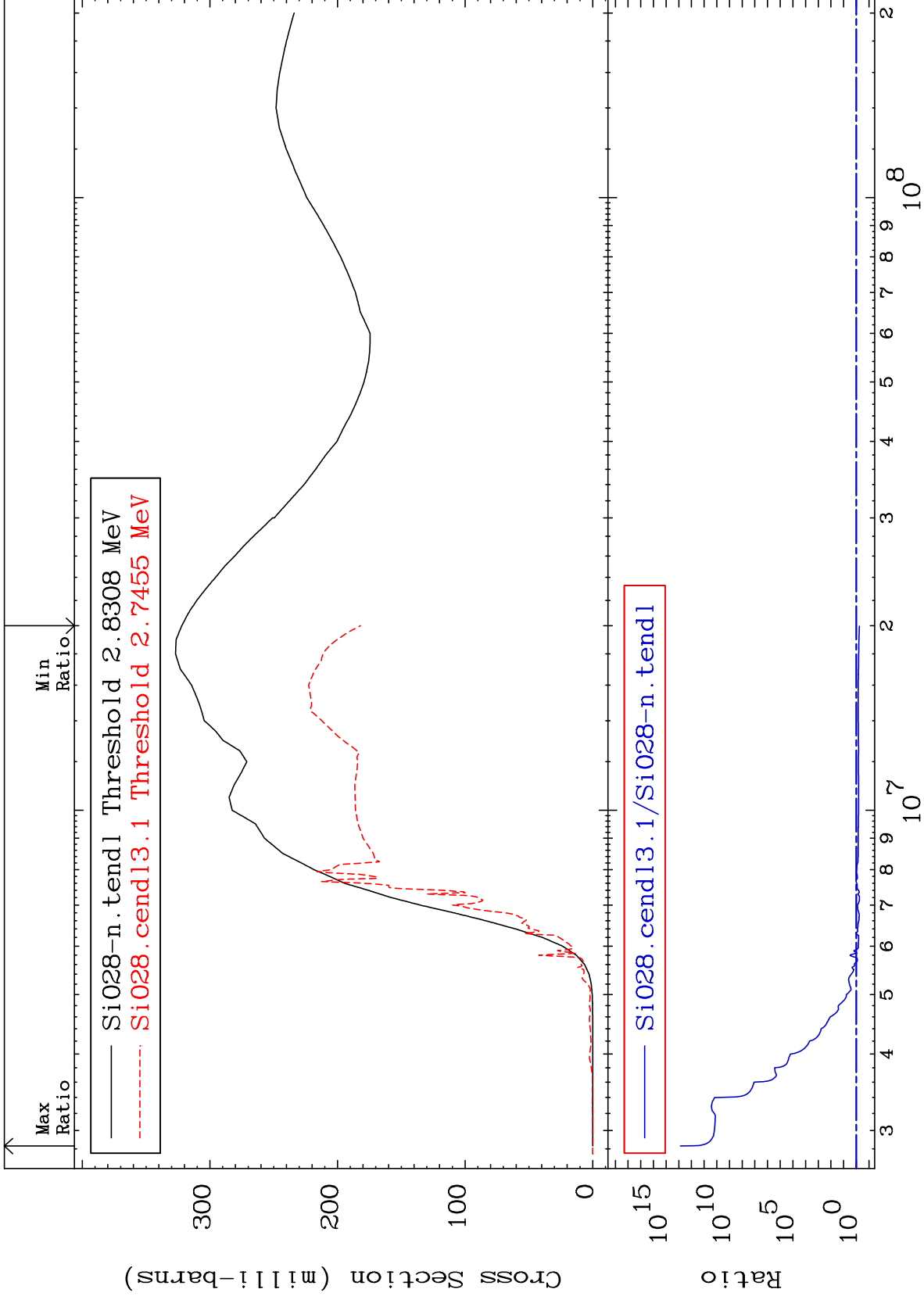
14-Si-28
514.2 To 3002. %



MAT 1425

He-4 Production
Cross Section

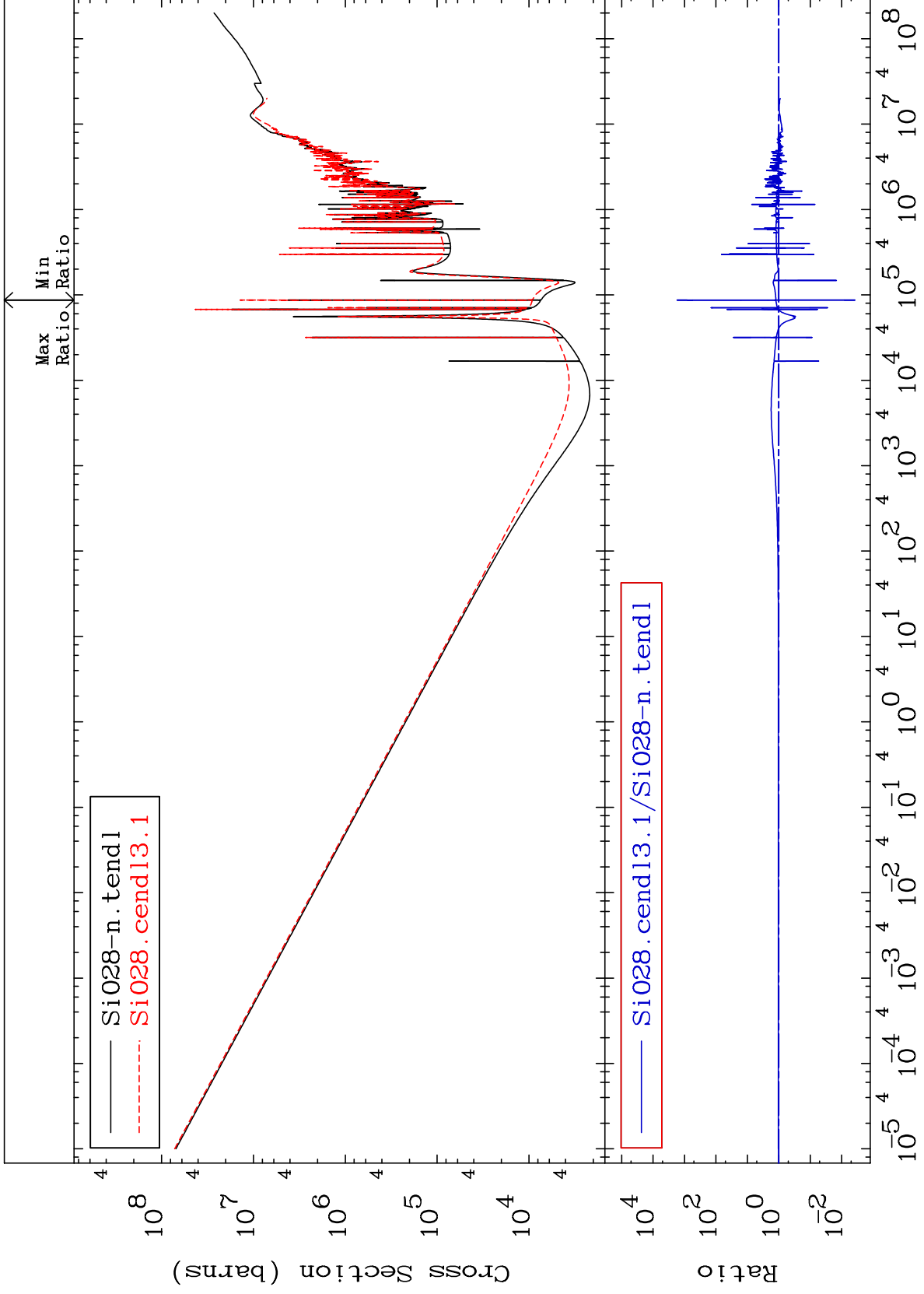
14-Si-28
-43.47 To 9999. %

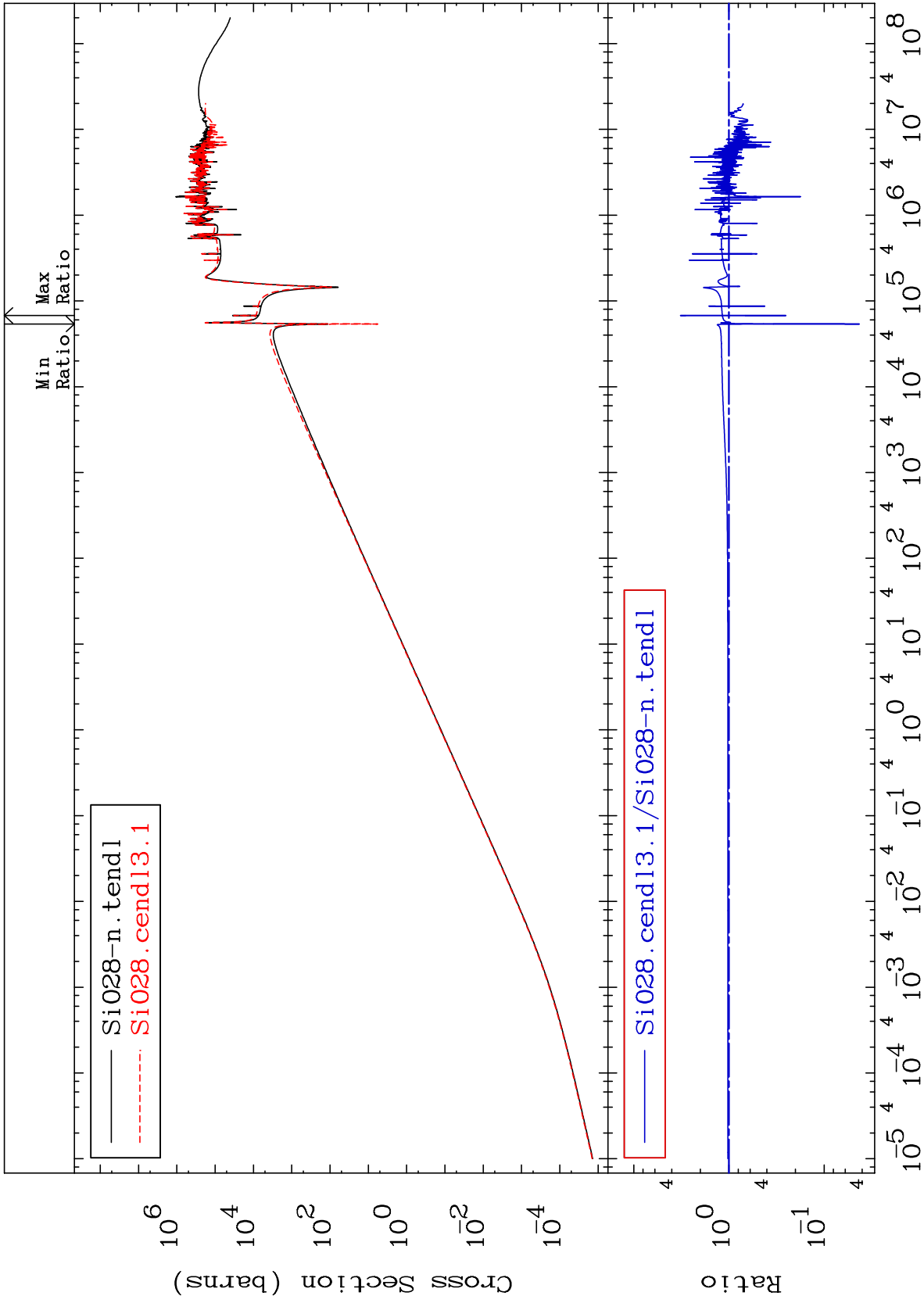


MAT 1425

Kerma total (eV-barns)
Cross Section

14-Si-28
-99.63 To 9999. %

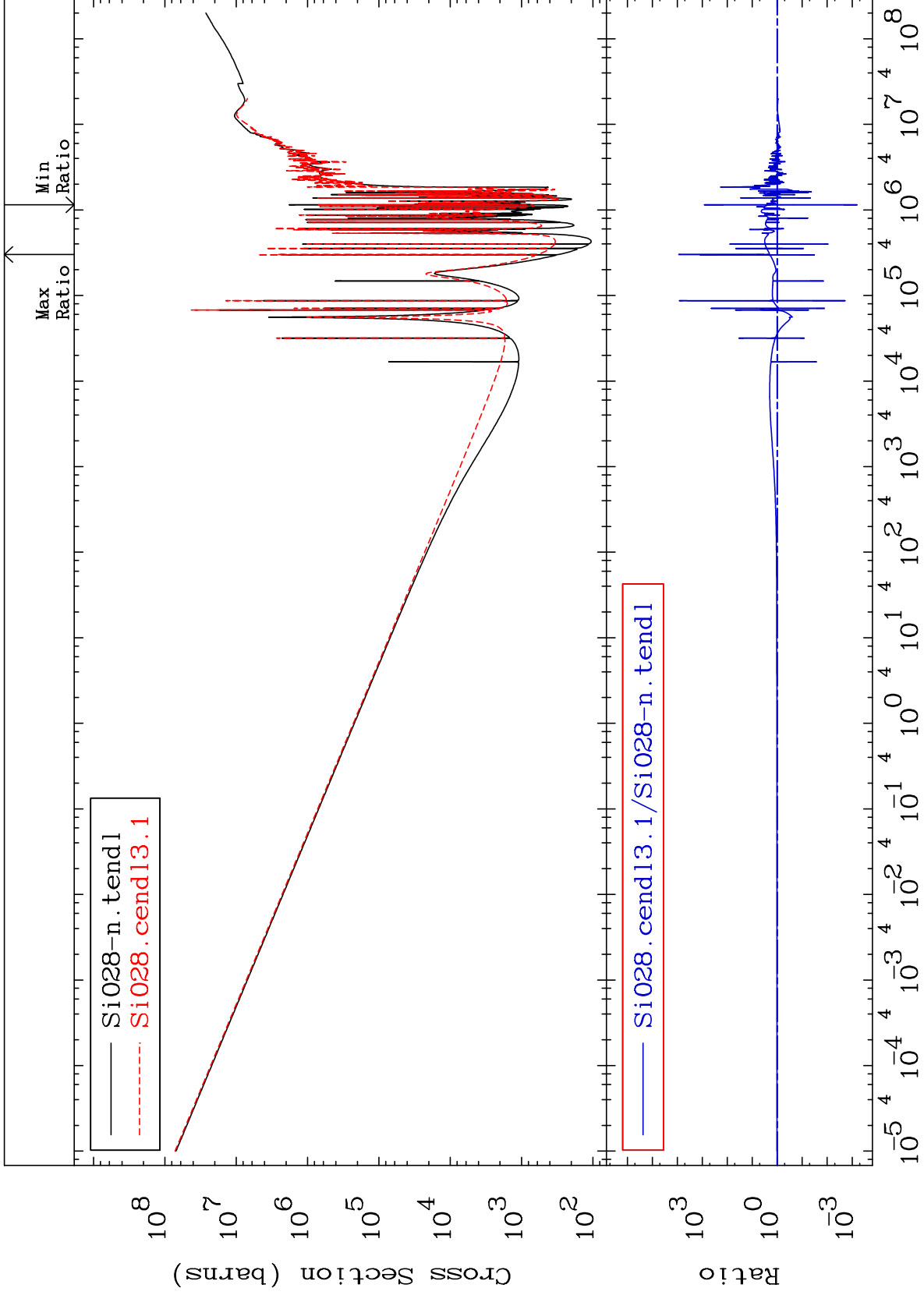


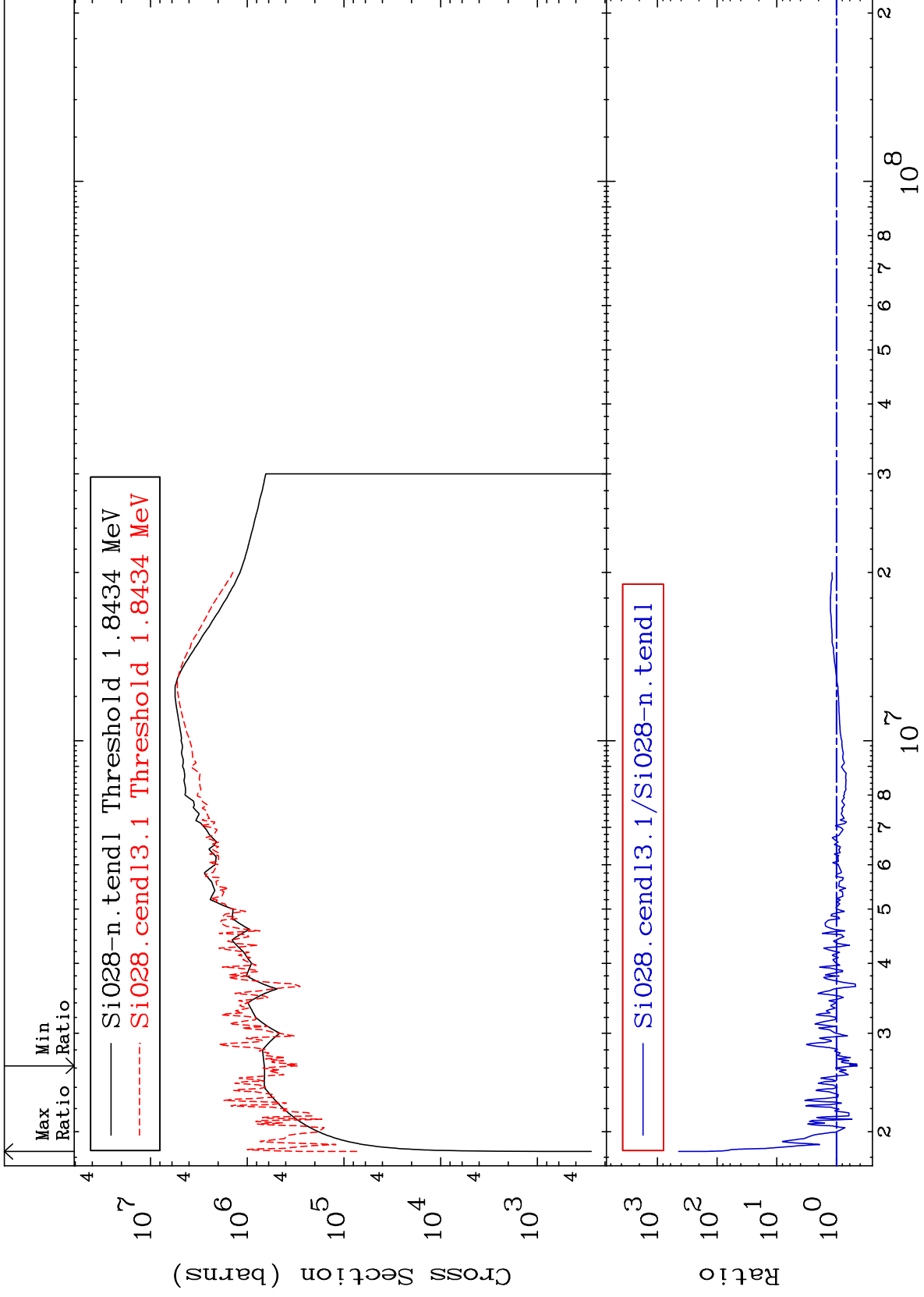


MAT 1425

Kerma non-elastic (all but mt2)
Cross Section

14-Si-28
-99.94 To 9999. %

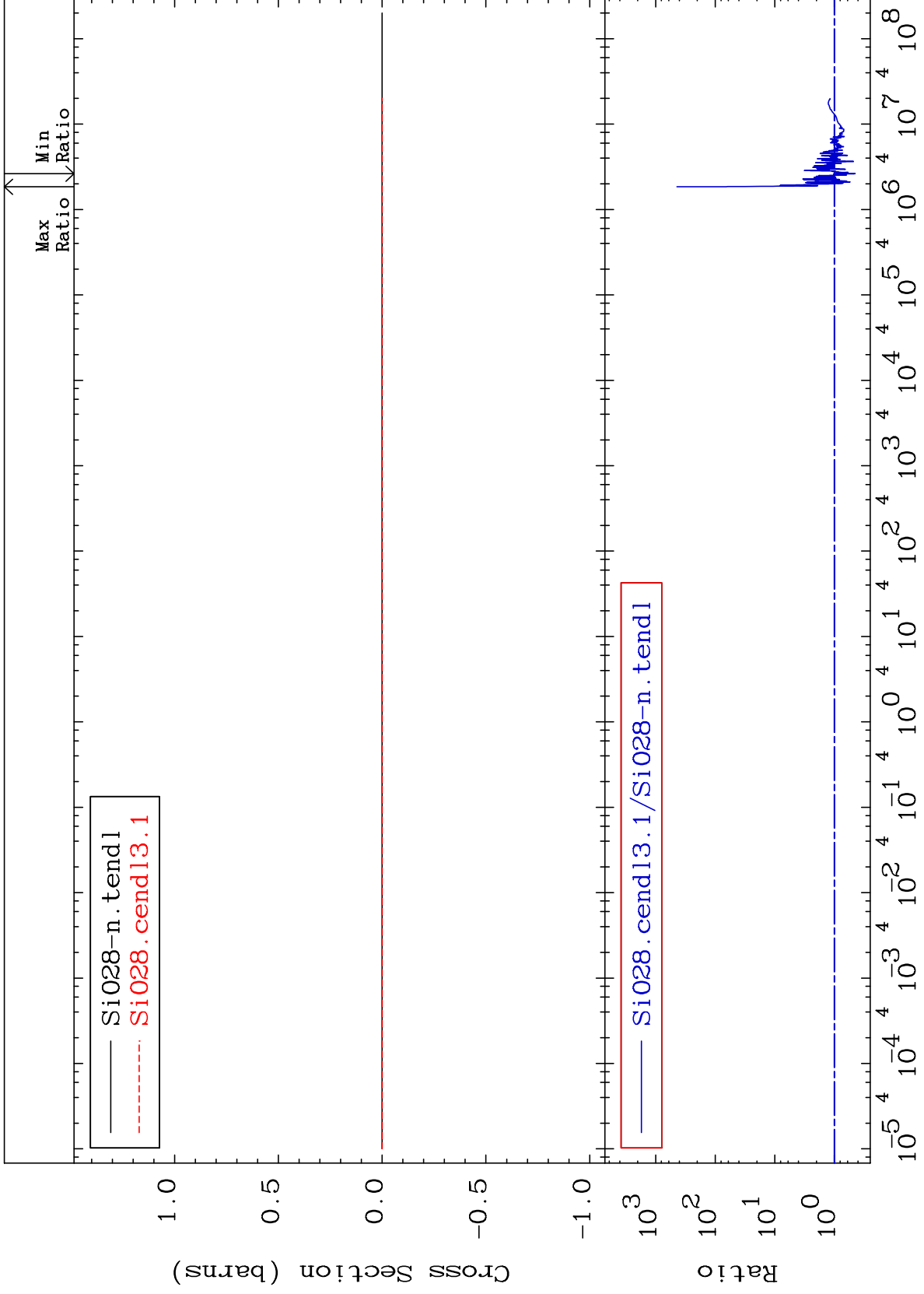




MAT 1425

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

14-Si-28
-55.09 To 9999. %



39

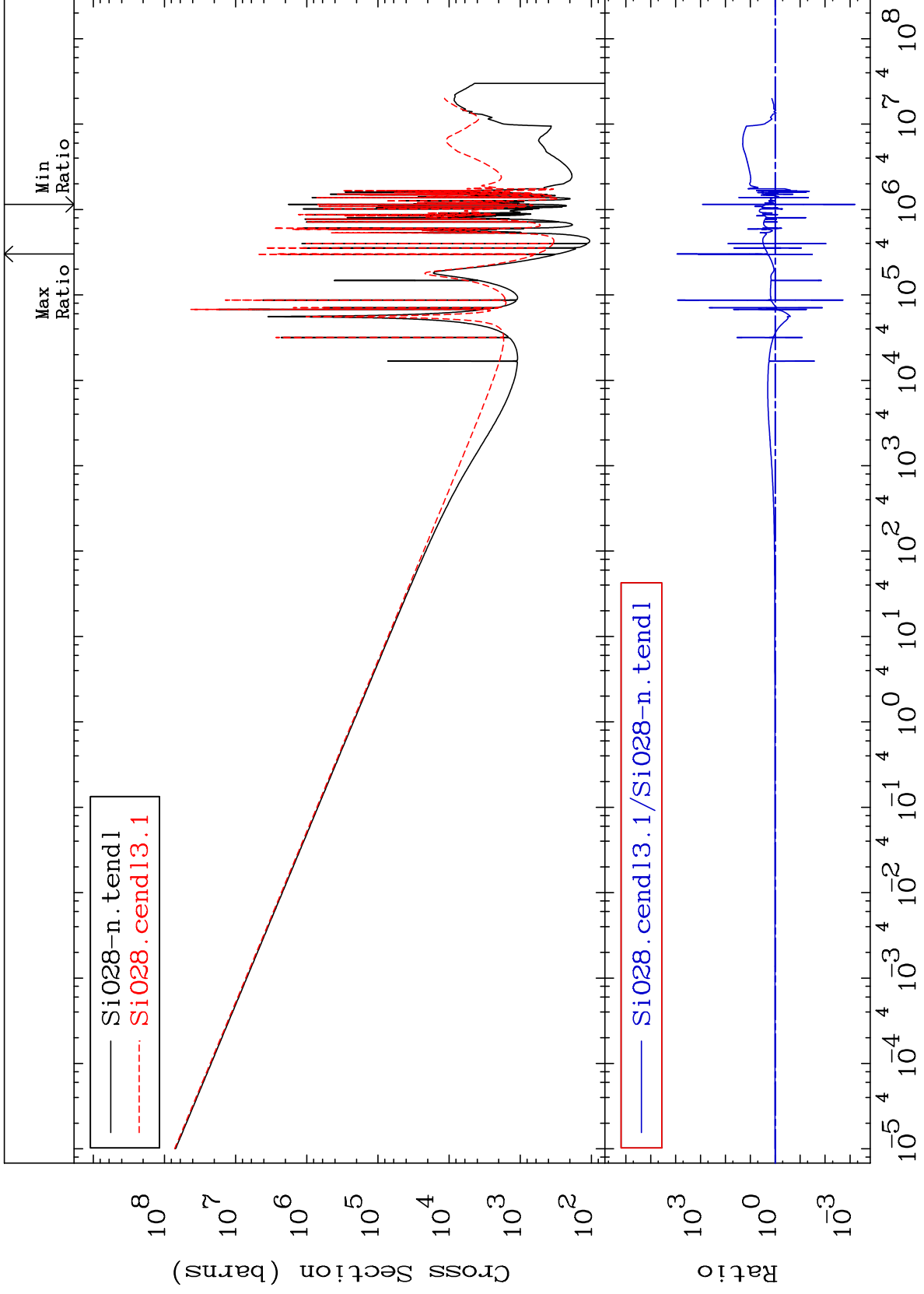
Incident Energy (eV)

14-Si-28

MAT 1425

Kerma capture (mt102)
Cross Section

14-Si-28
-99.94 To 9999. %



40

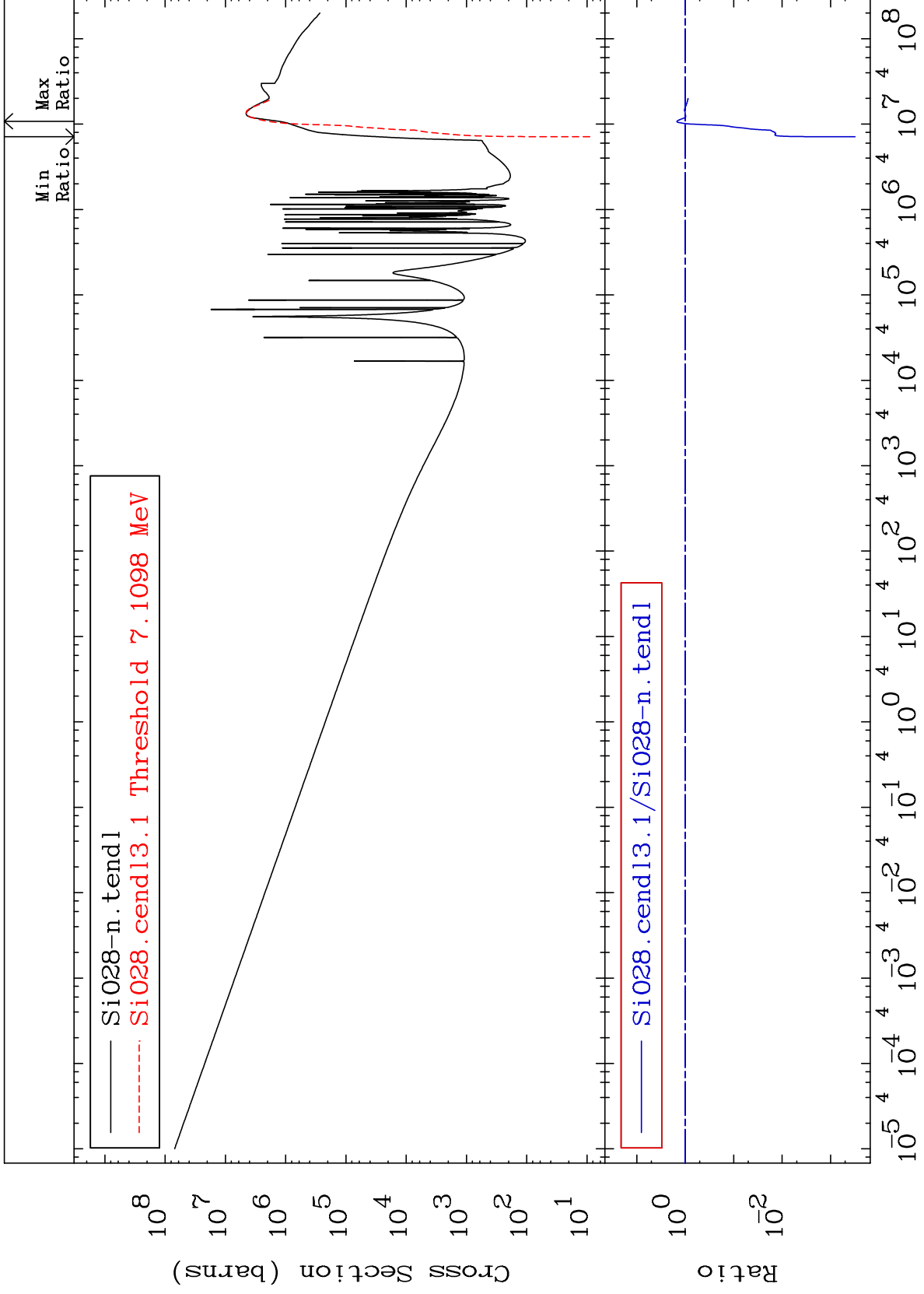
Incident Energy (eV)

14-Si-28

MAT 1425

Total photon (eV-barns)
Cross Section

14-Si-28
-99.97 To 48.26 %



41

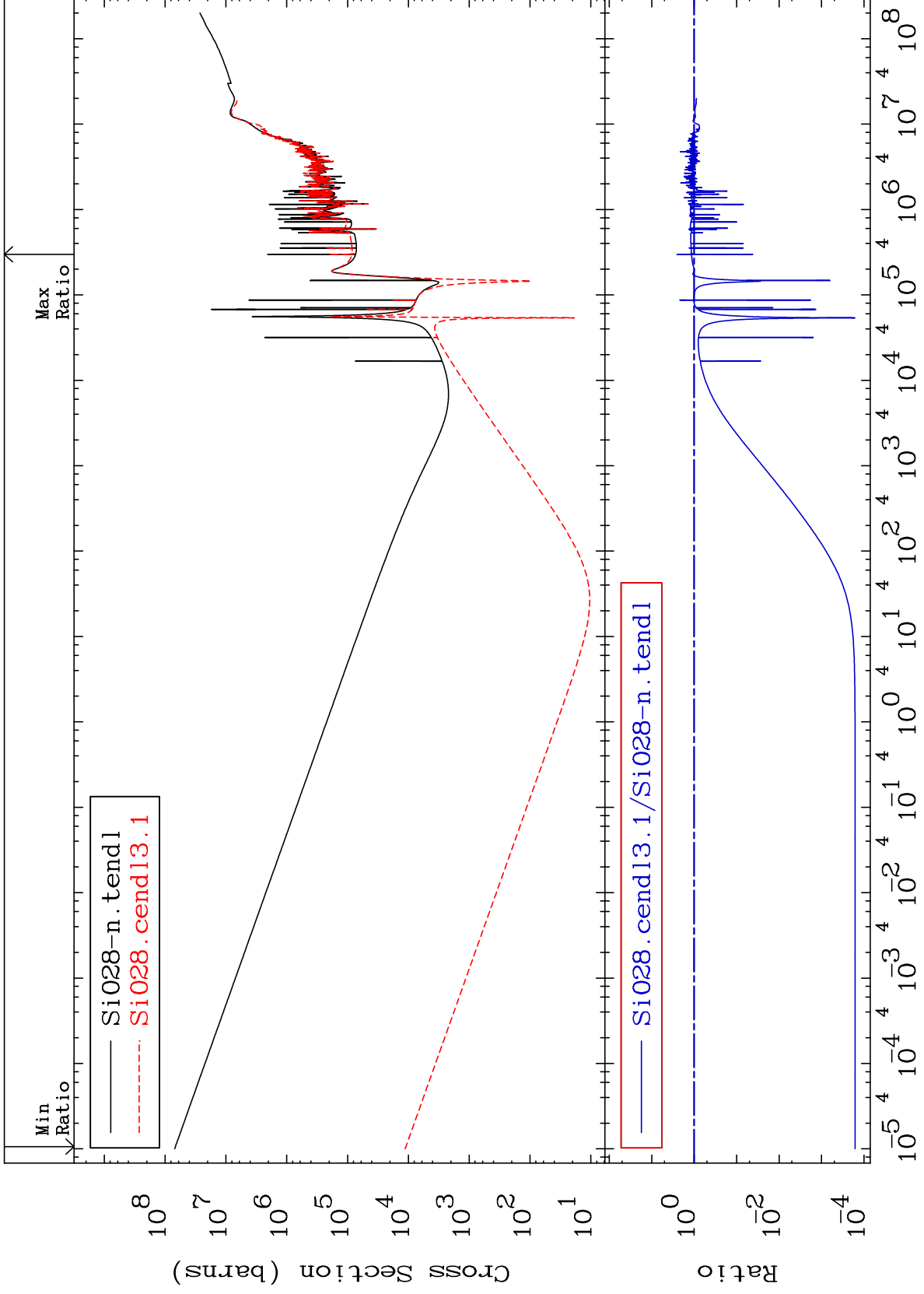
Incident Energy (eV)

14-Si-28

MAT 1425

Total kinematic kerma (high limit)
Cross Section

14-Si-28
-99.98 To 154.6 %



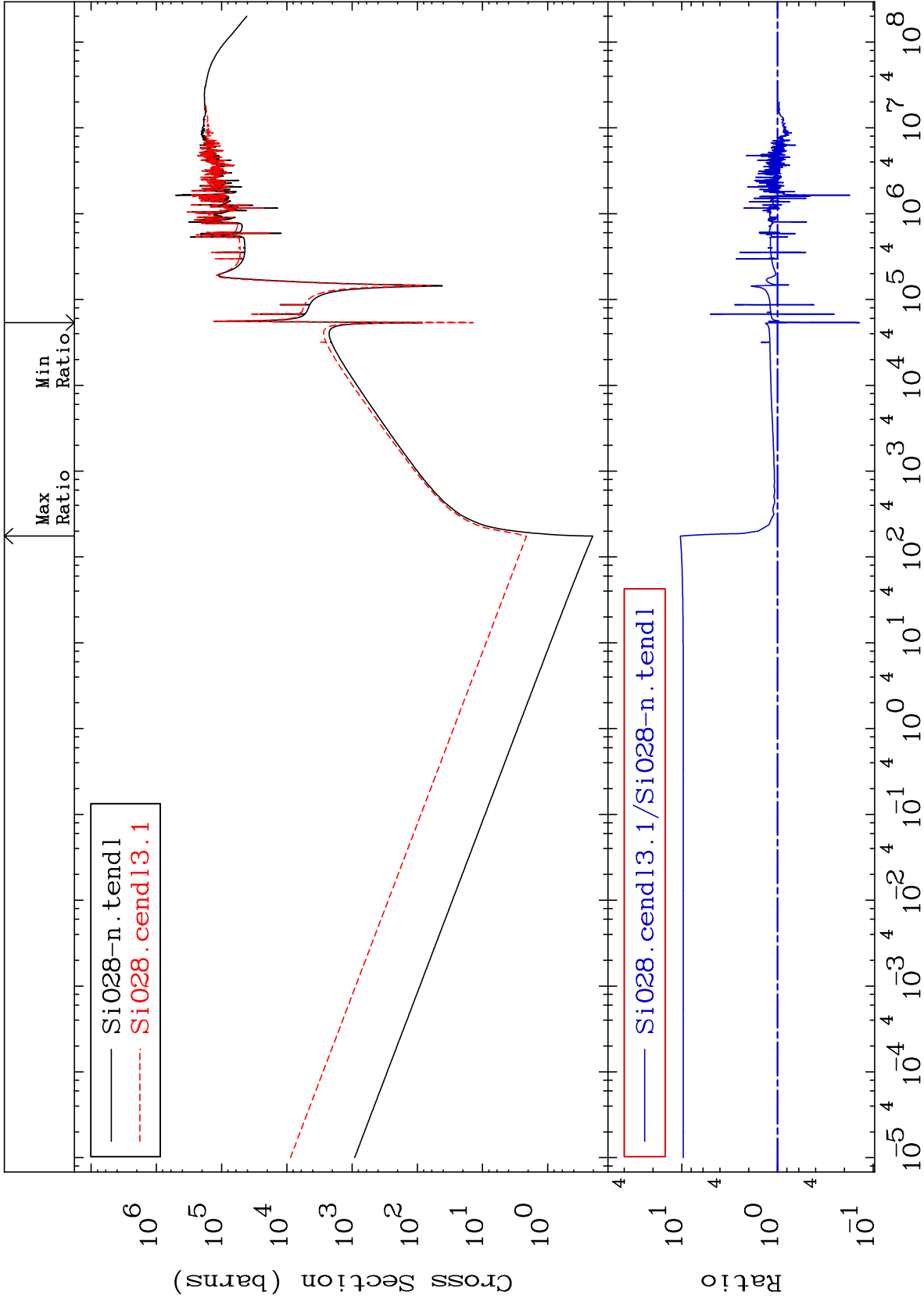
MAT 1425

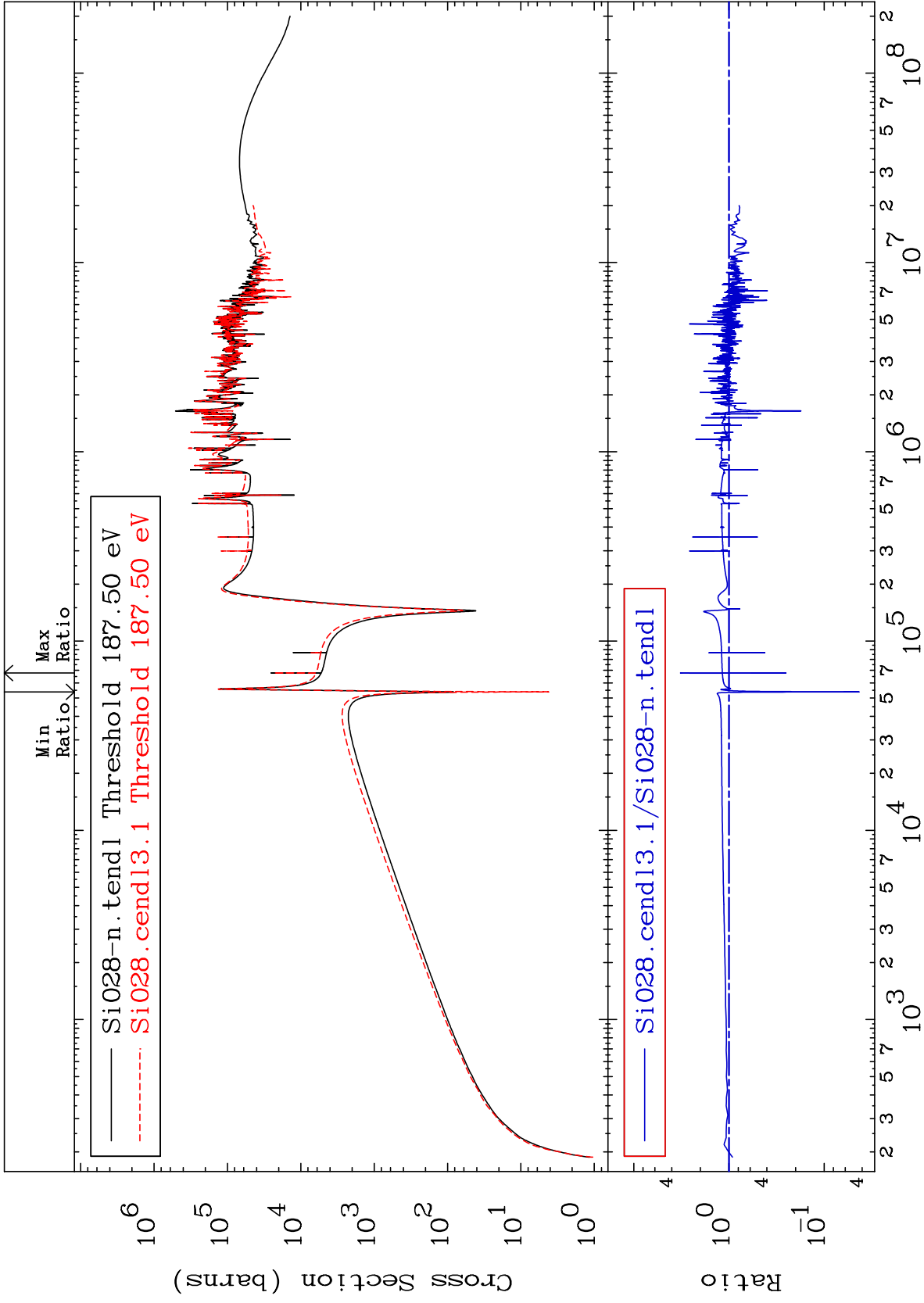
Dpa total (eV-barns)

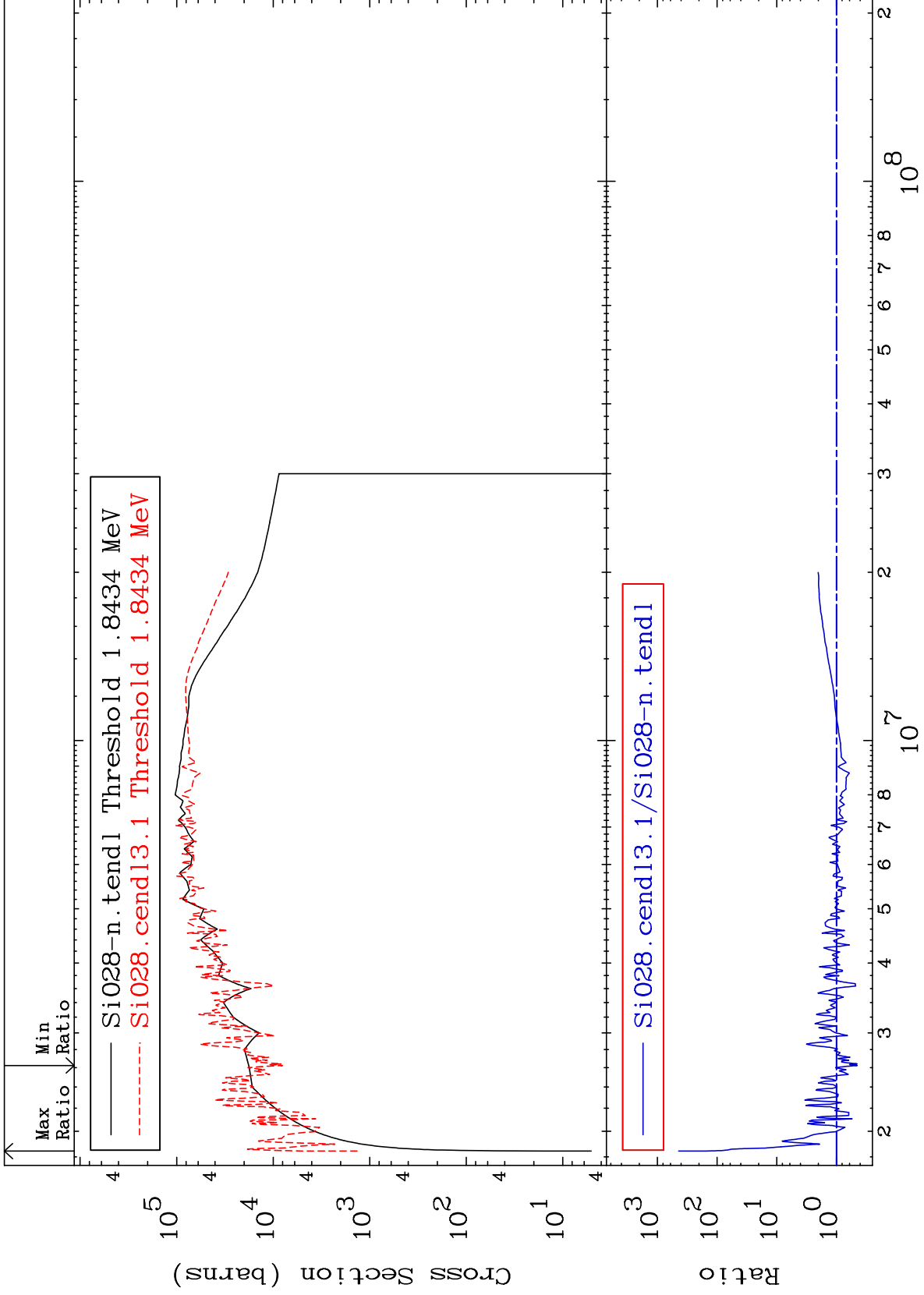
14-Si-28

Cross Section

-86.06 To 935.2 %



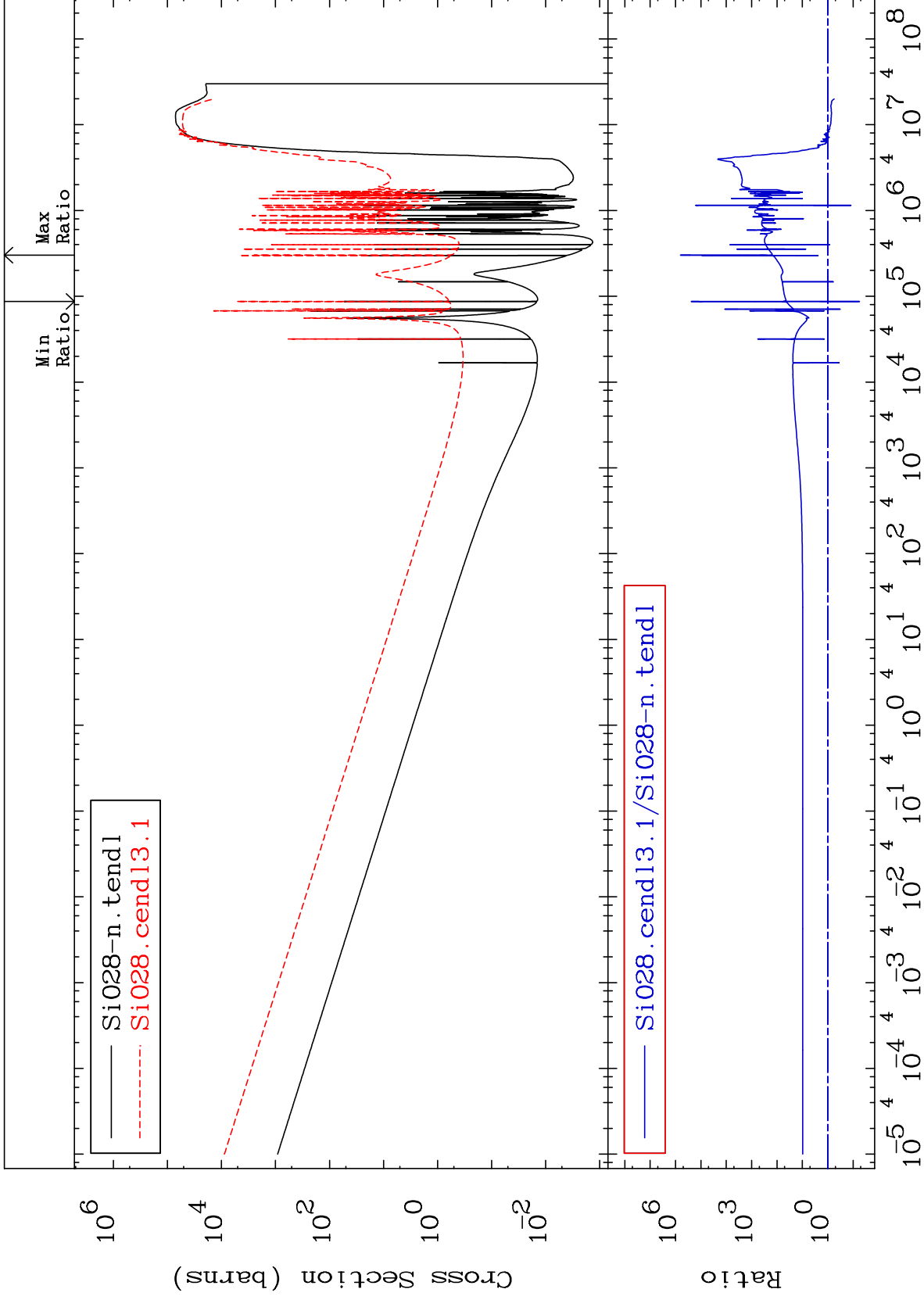




MAT 1425

Dpa disappearance (mt102 -120)
Cross Section

14-Si-28
-94.36 To 9999. %



46

Incident Energy (eV)

14-Si-28