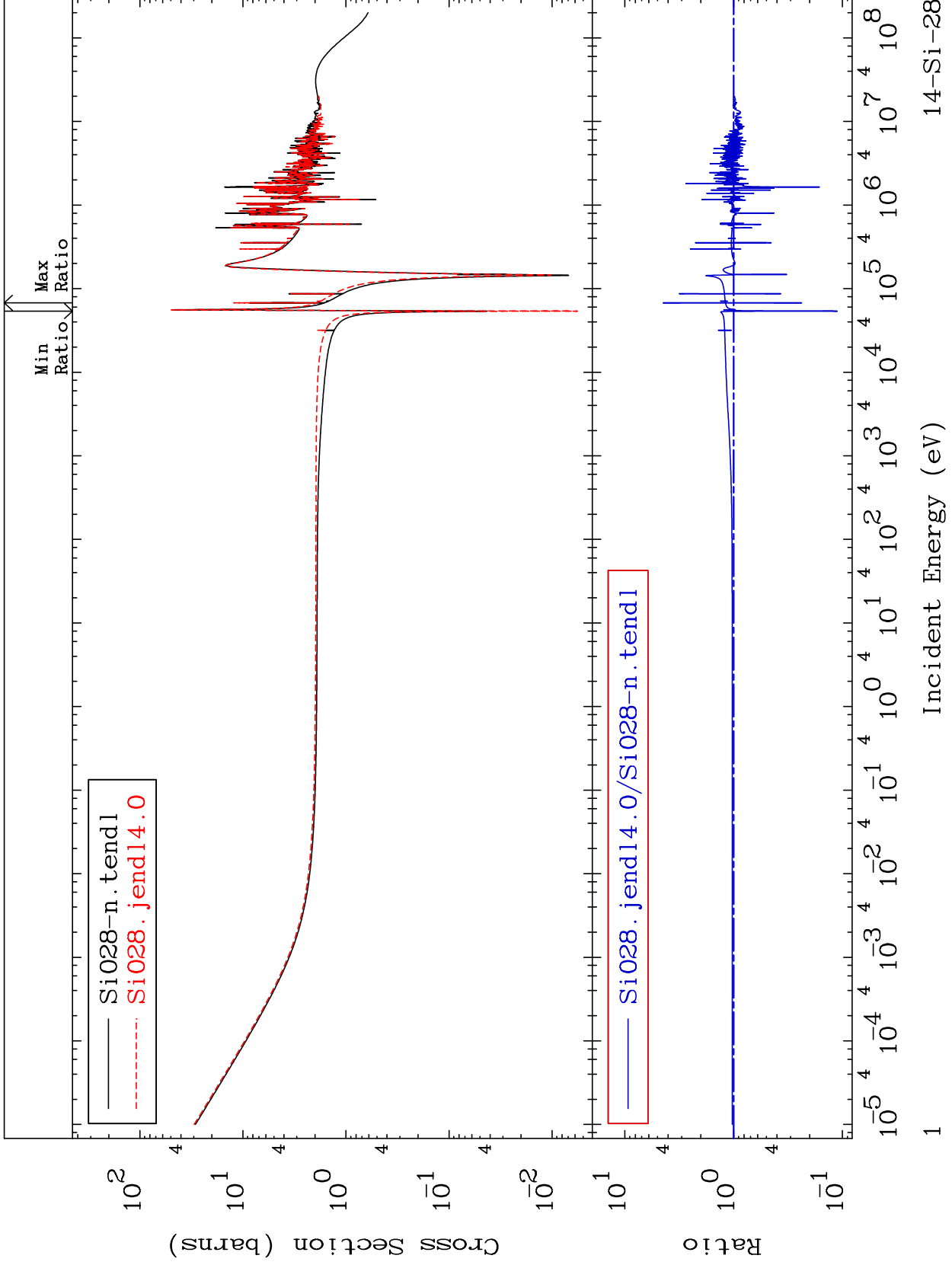


MAT 1425

Total
Cross Section

14-Si-28
-88.84 To 346.6 %



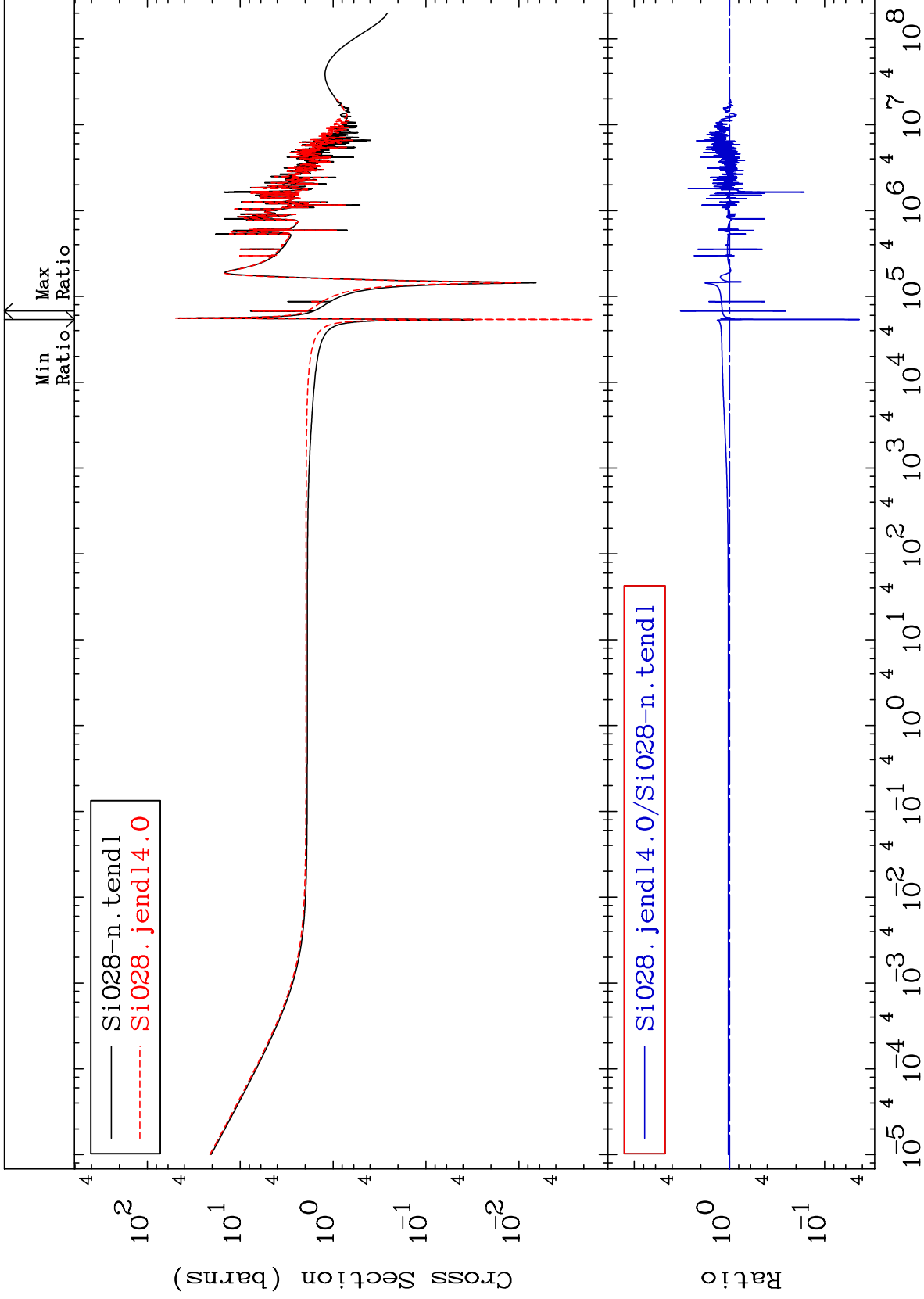
Incident Energy (eV)

14-Si-28

MAT 1425

Elastic
Cross Section

14-Si-28
-95.70 To 228.2 %



Incident Energy (eV)

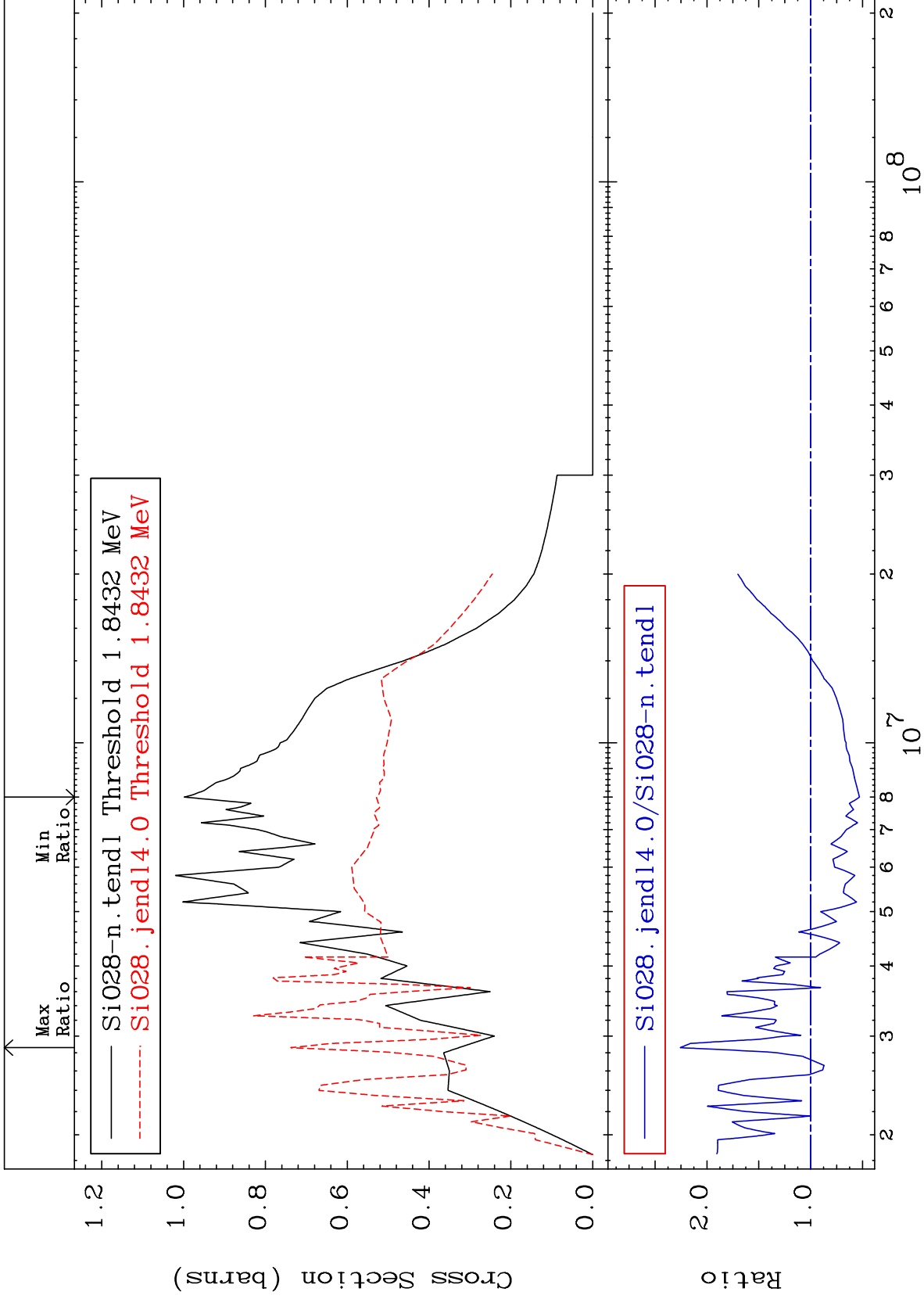
14-Si-28

2

MAT 1425

Inelastic
Cross Section

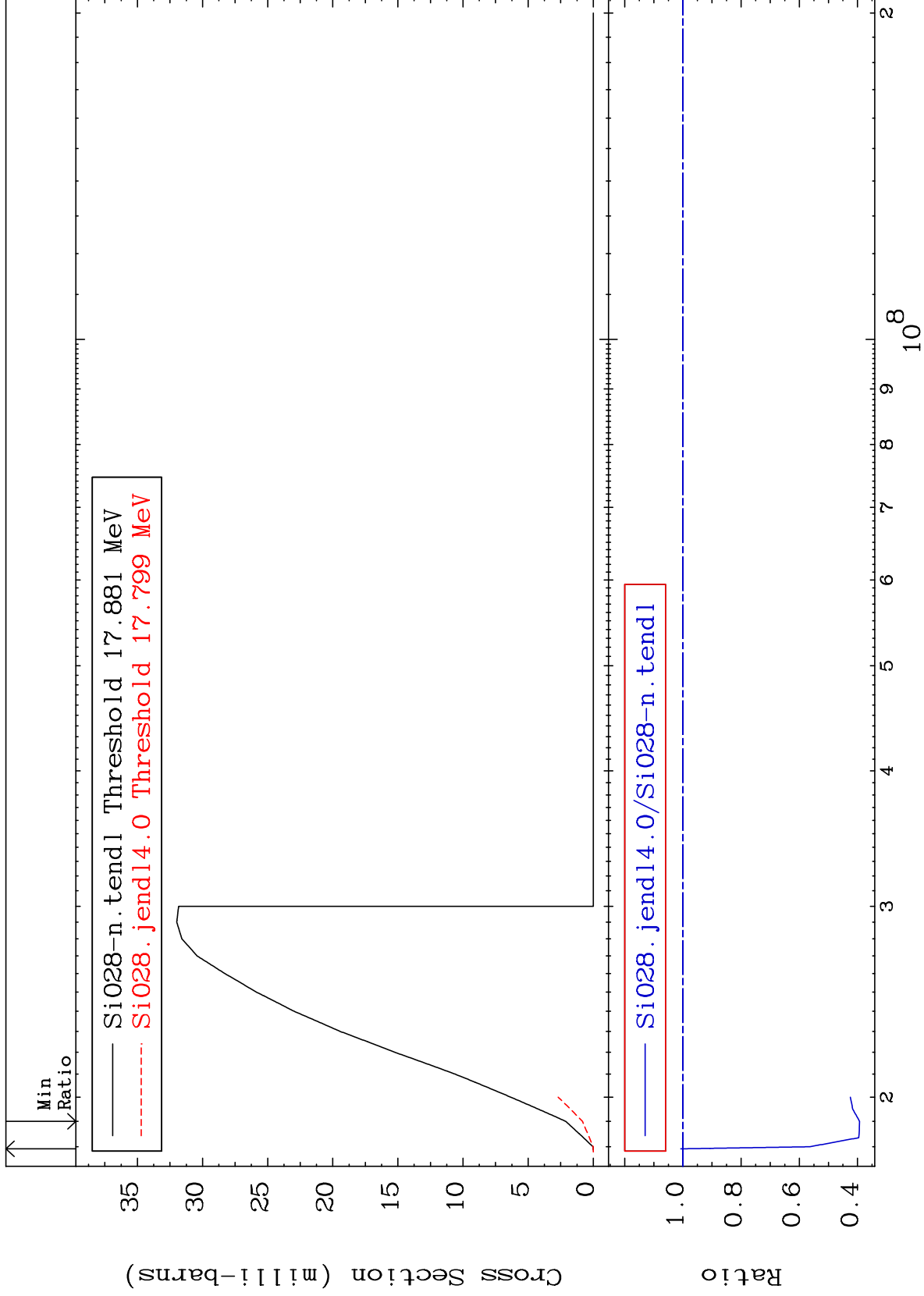
14-Si-28
-47.01 To 125.6 %



MAT 1425

(n,2n)
Cross Section

14-Si-28
-60.69 To 0.733 %



4

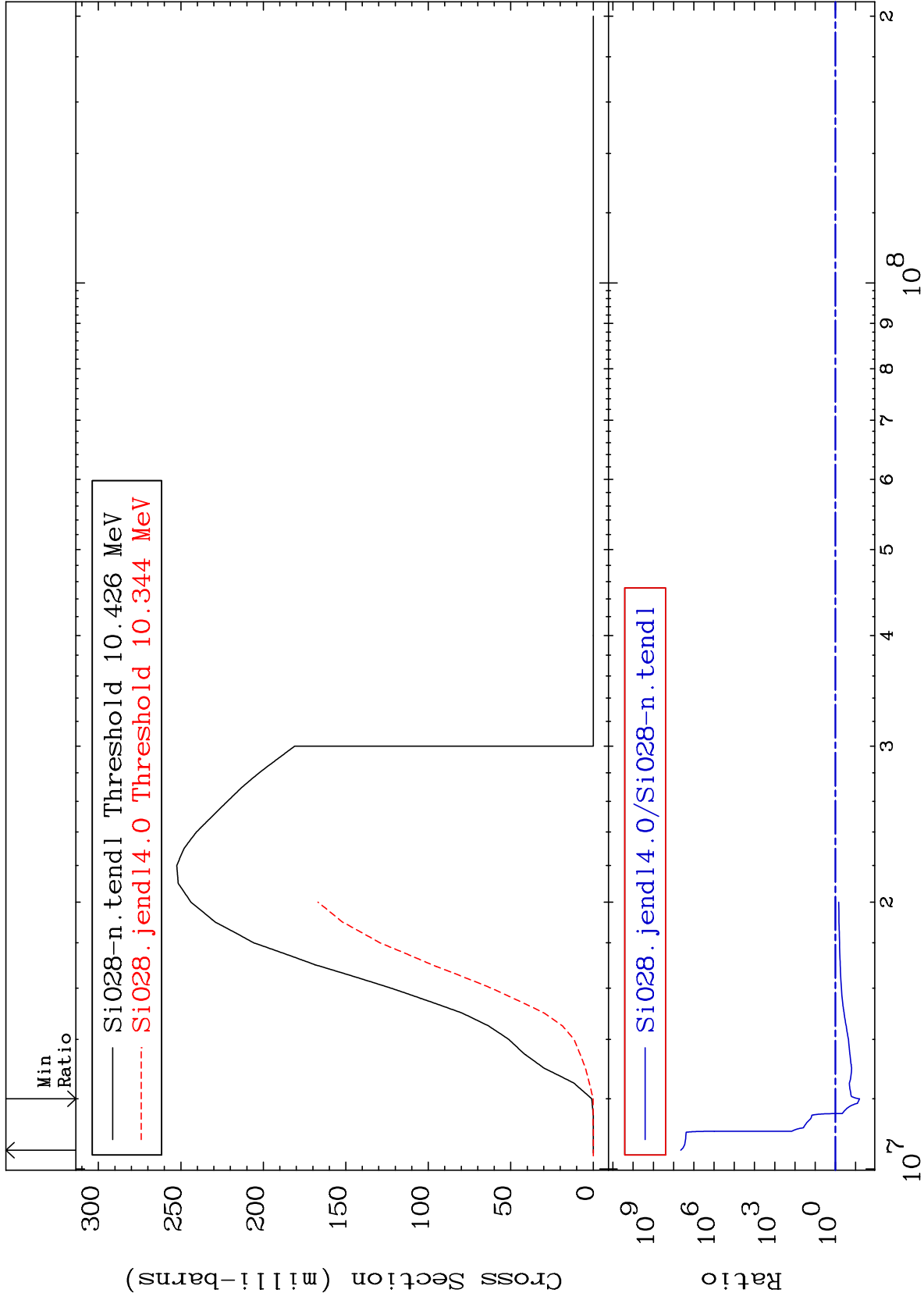
Incident Energy (eV)

14-Si-28

MAT 1425

(n,n') α
Cross Section

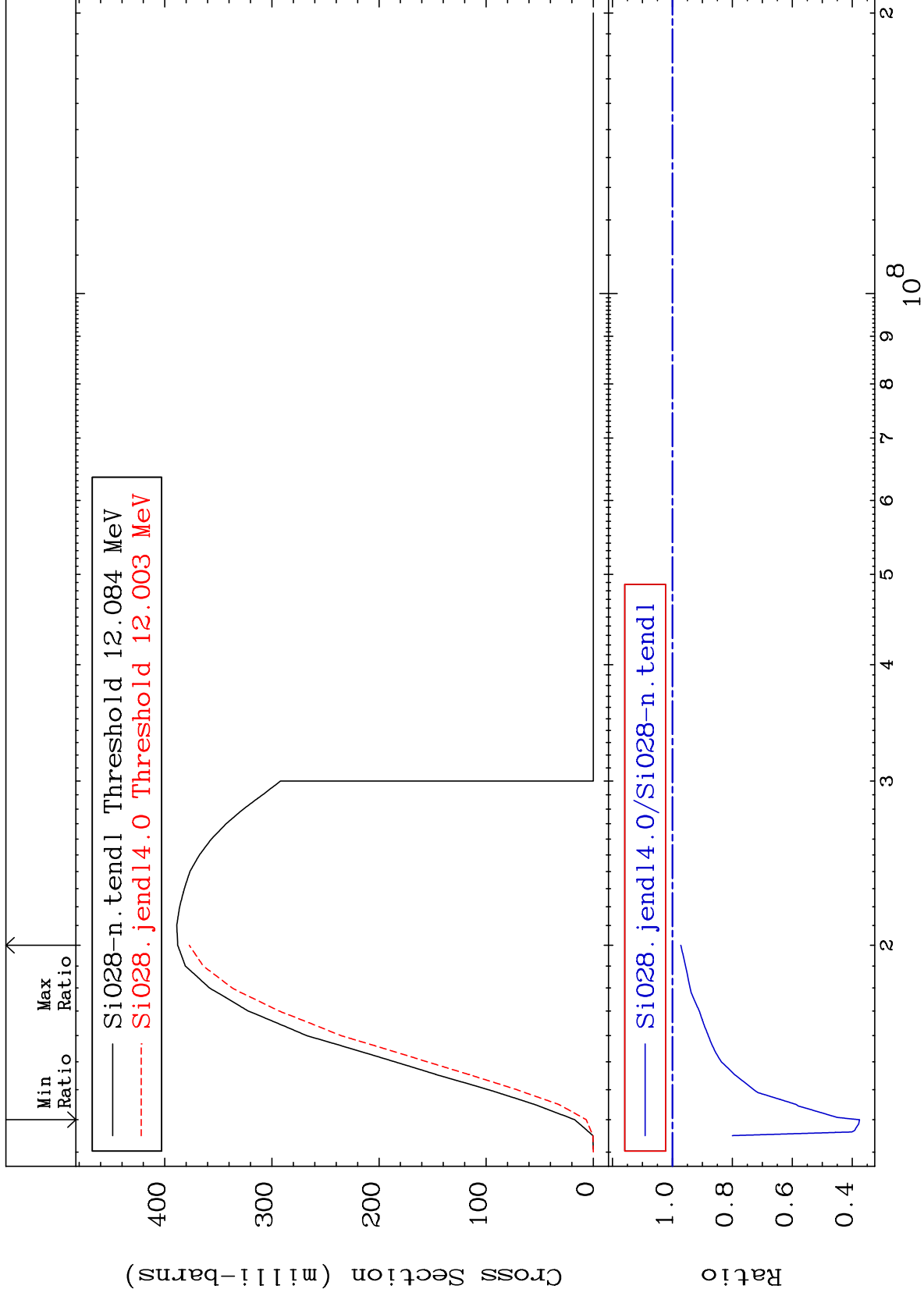
14-Si-28
-93.58 To 9999. %



MAT 1425

(n,n') p
Cross Section

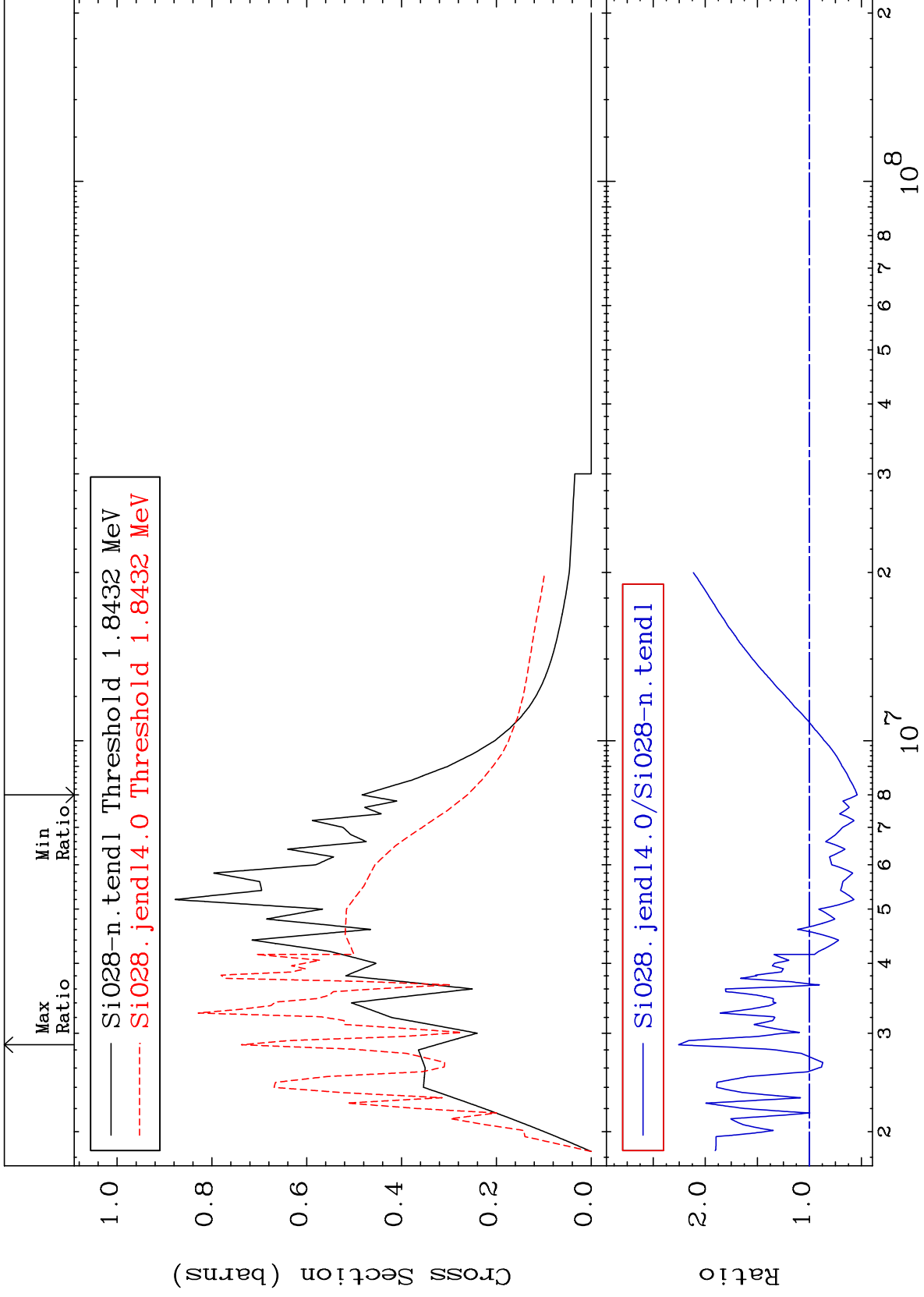
¹⁴Si-28
-62.45 To -2.782%



MAT 1425

1.779 MeV (n,n') Level
Cross Section

14-Si-28
-45.98 To 125.6 %



7

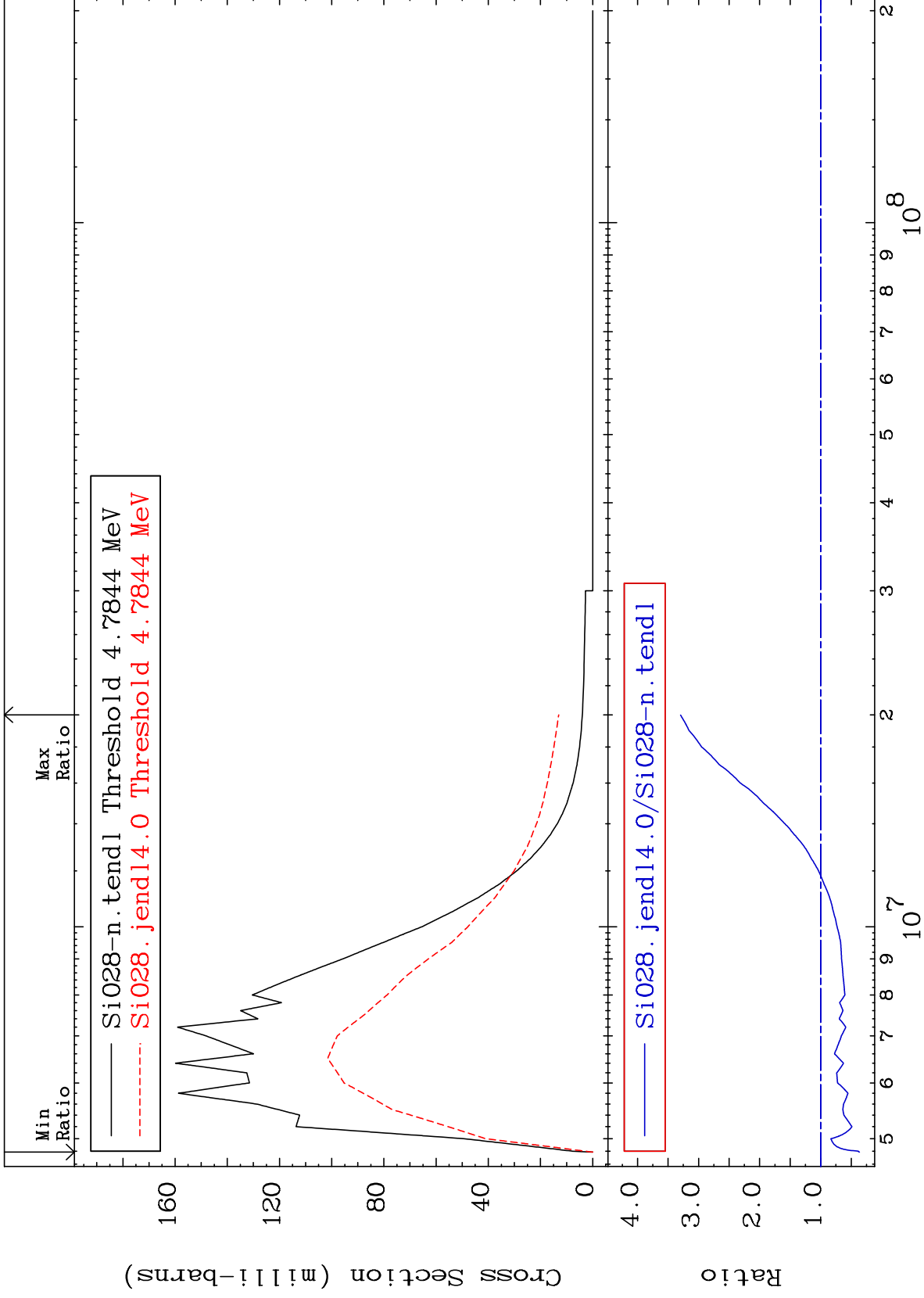
Incident Energy (eV)

14-Si-28

MAT 1425

4.618 MeV (n,n') Level
Cross Section

14-Si-28
-63.46 To 229.8 %



8

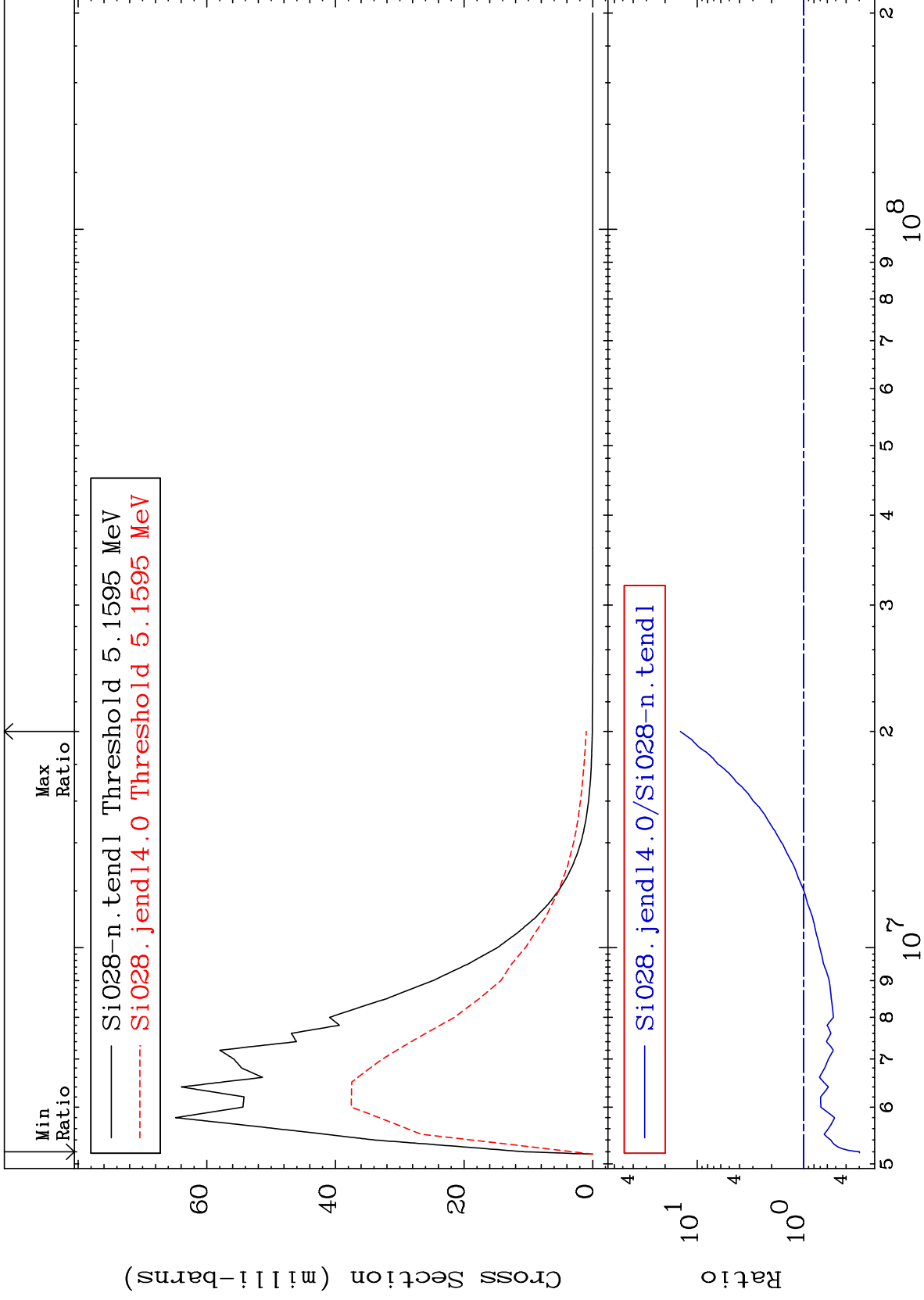
Incident Energy (eV)

14-Si-28

MAT 1425

4.980 MeV (n,n') Level
Cross Section

14-Si-28
-70.08 To 1340. %



9

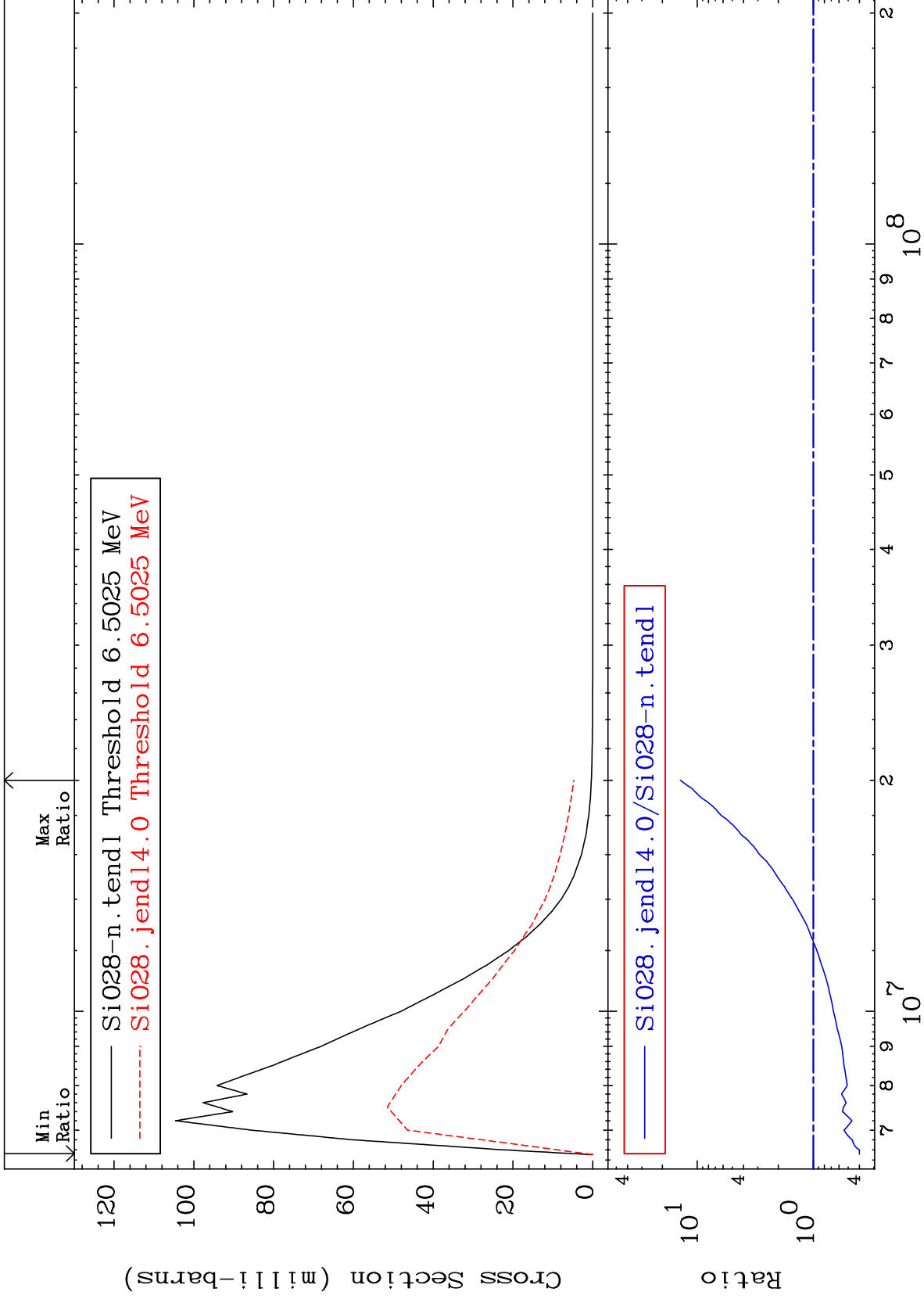
Incident Energy (eV)

14-Si-28

MAT 1425

6.276 MeV (n,n') Level
Cross Section

14-Si-28
-60.02 To 1300. %



10

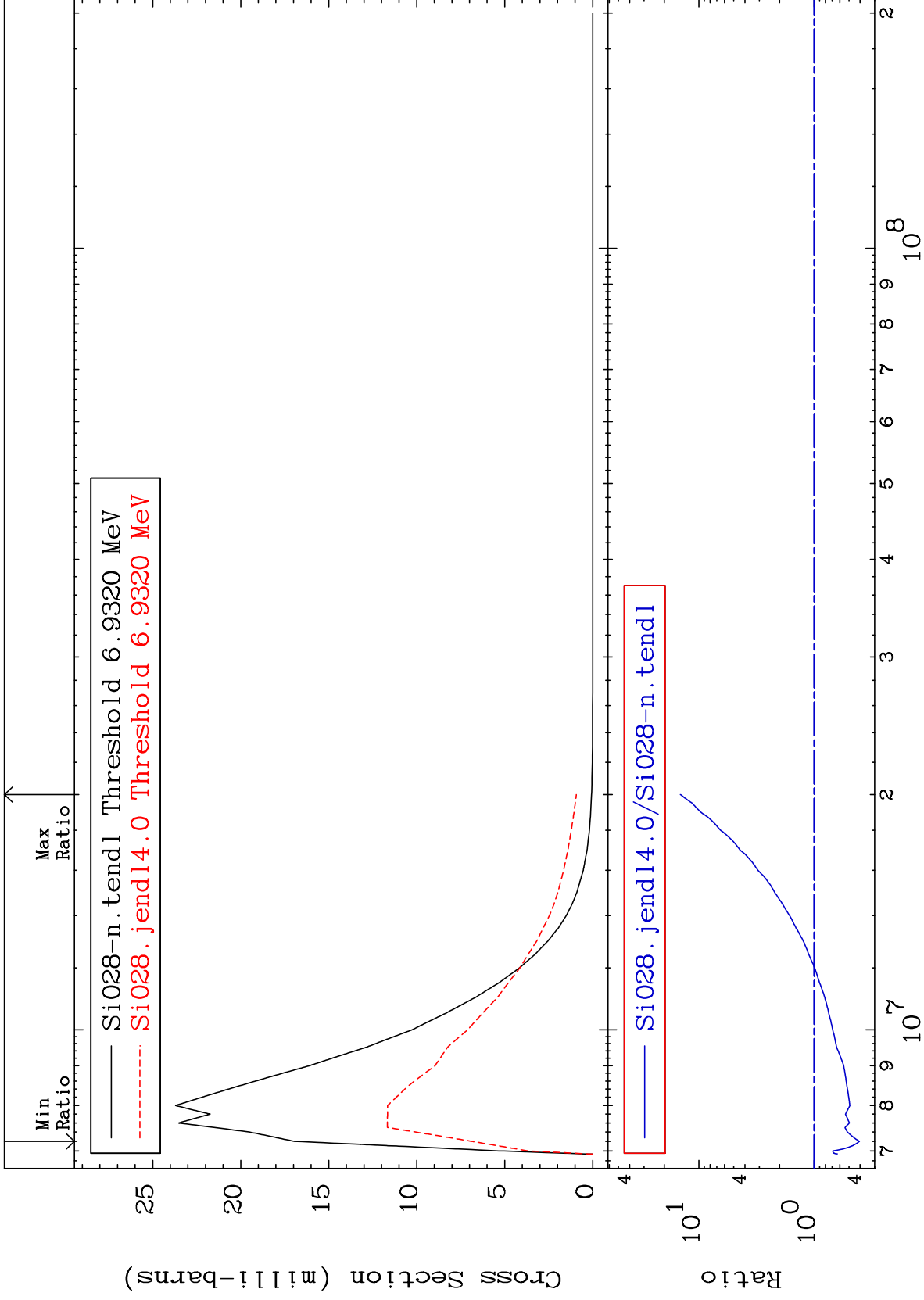
Incident Energy (eV)

14-Si-28

MAT 1425

6.691 MeV (n,n') Level
Cross Section

14-Si-28
-59.42 To 1350. %



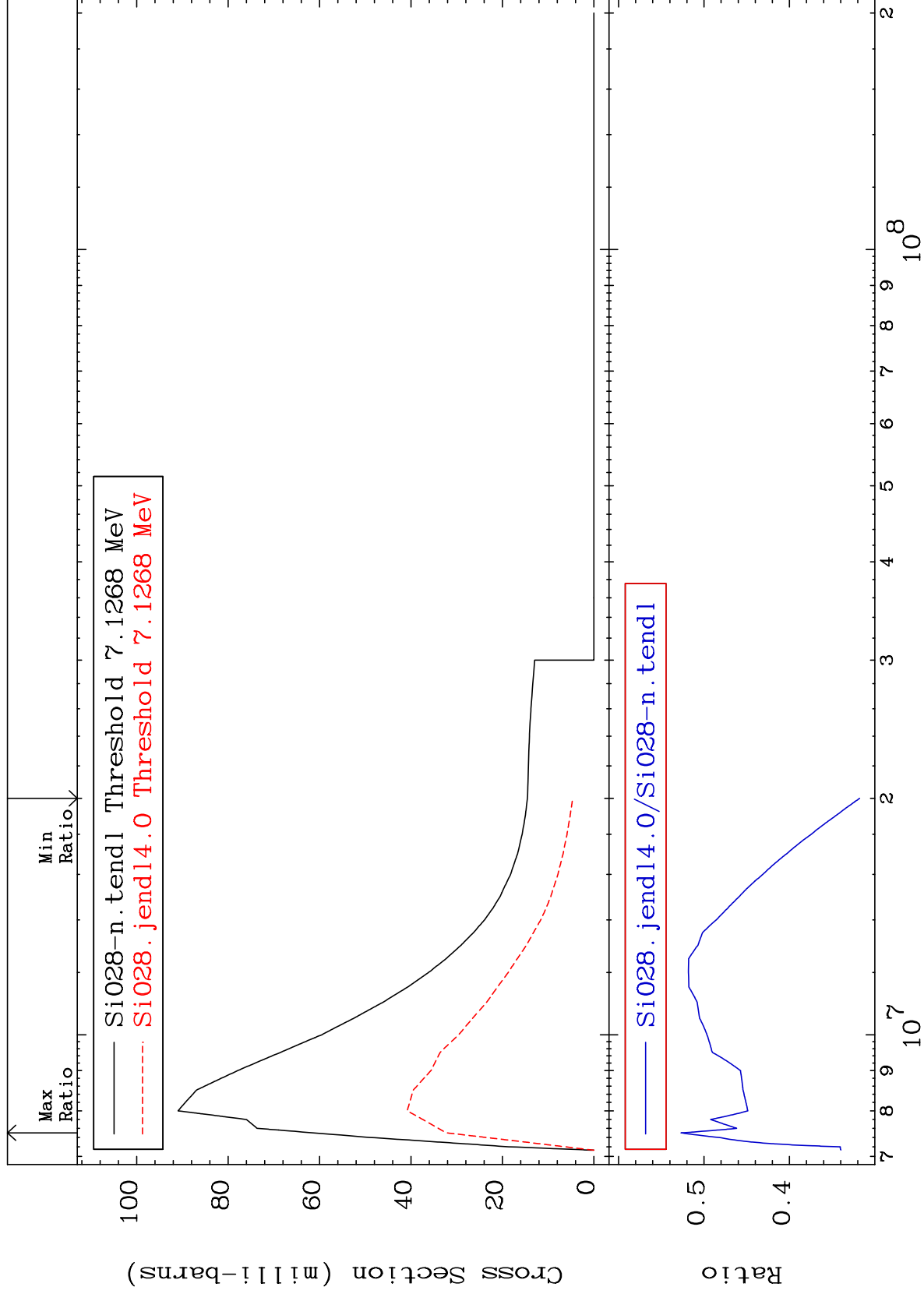
11

14-Si-28

MAT 1425

6.879 MeV (n,n') Level
Cross Section

14-Si-28
-68.22 To -47.33%



12

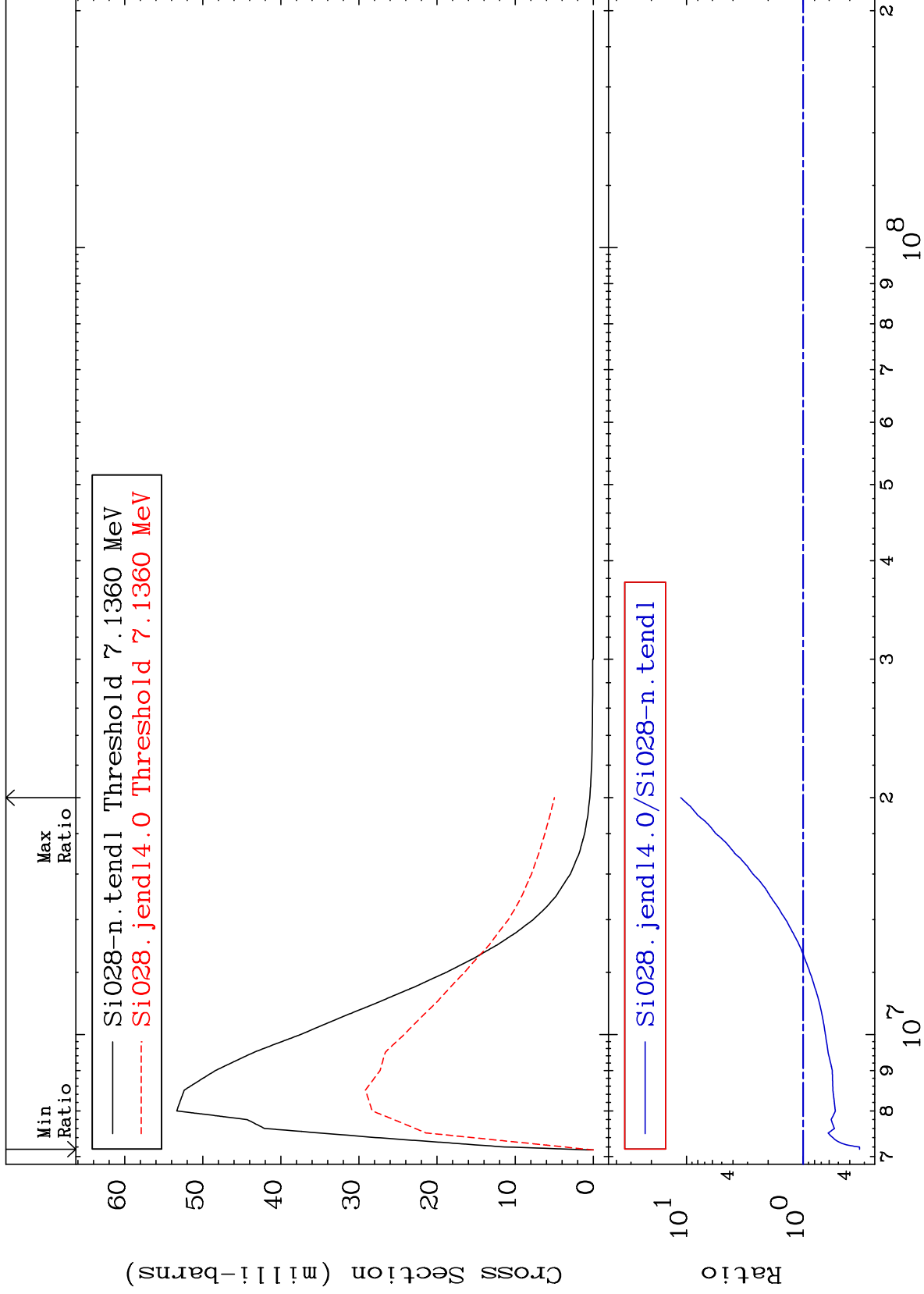
Incident Energy (eV)

14-Si-28

MAT 1425

6.888 MeV (n,n') Level
Cross Section

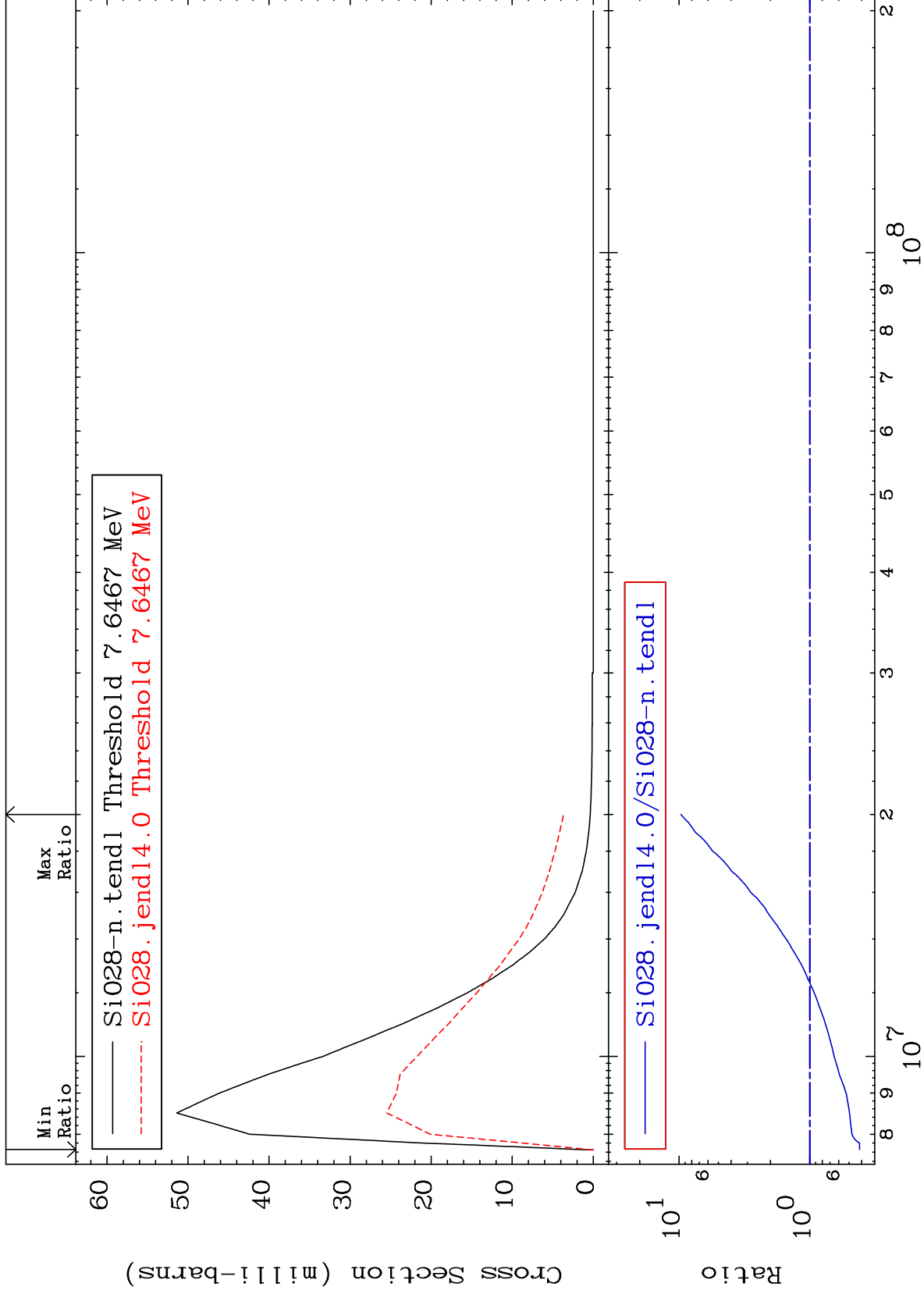
14-Si-28
-67.09 To 1021. %



MAT 1425

7.381 MeV (n,n') Level
Cross Section

14-Si-28
-58.43 To 869.6 %



14

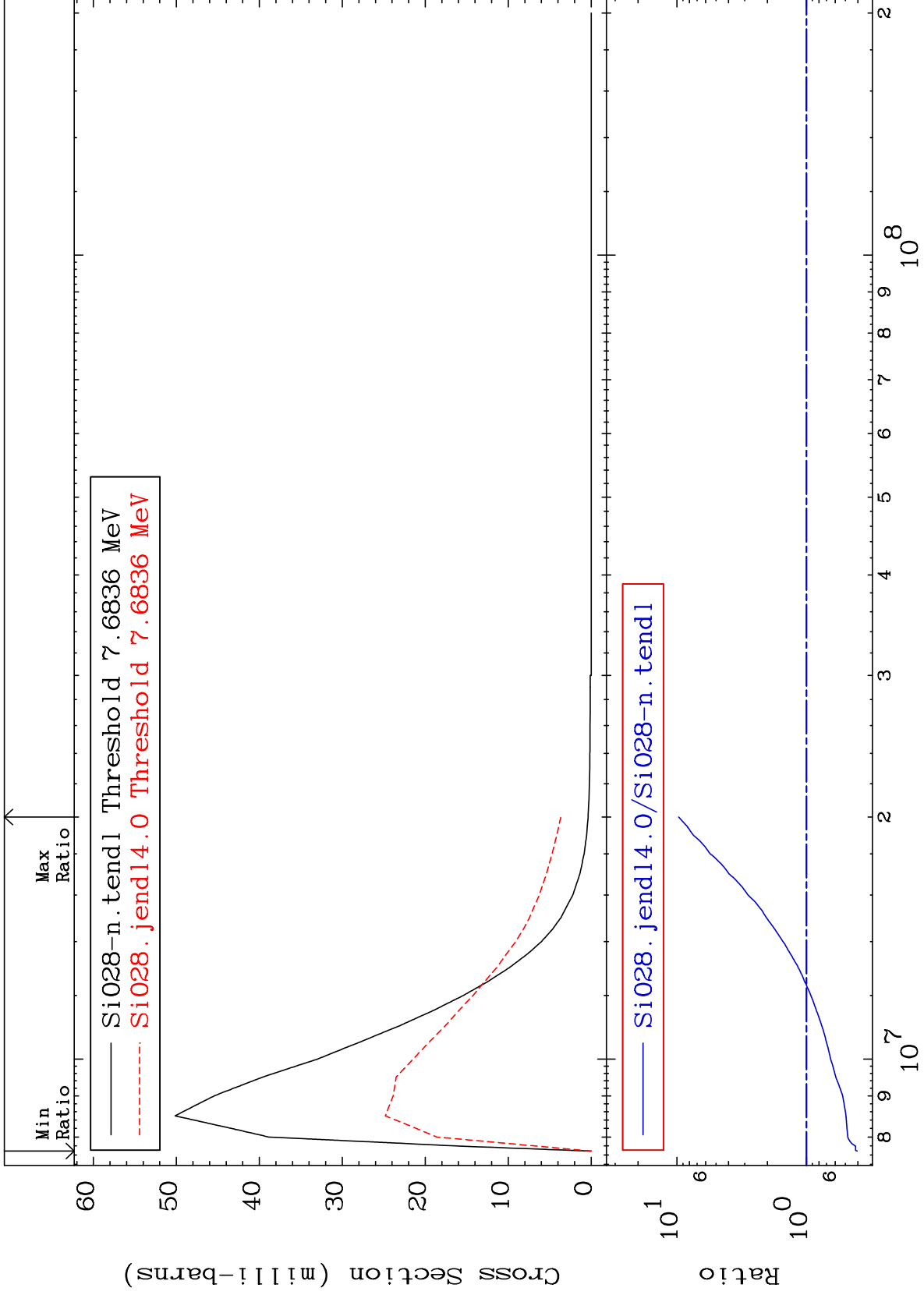
Incident Energy (eV)

14-Si-28

MAT 1425

7.416 MeV (n,n') Level
Cross Section

14-Si-28
-59.50 To 870.4 %



15

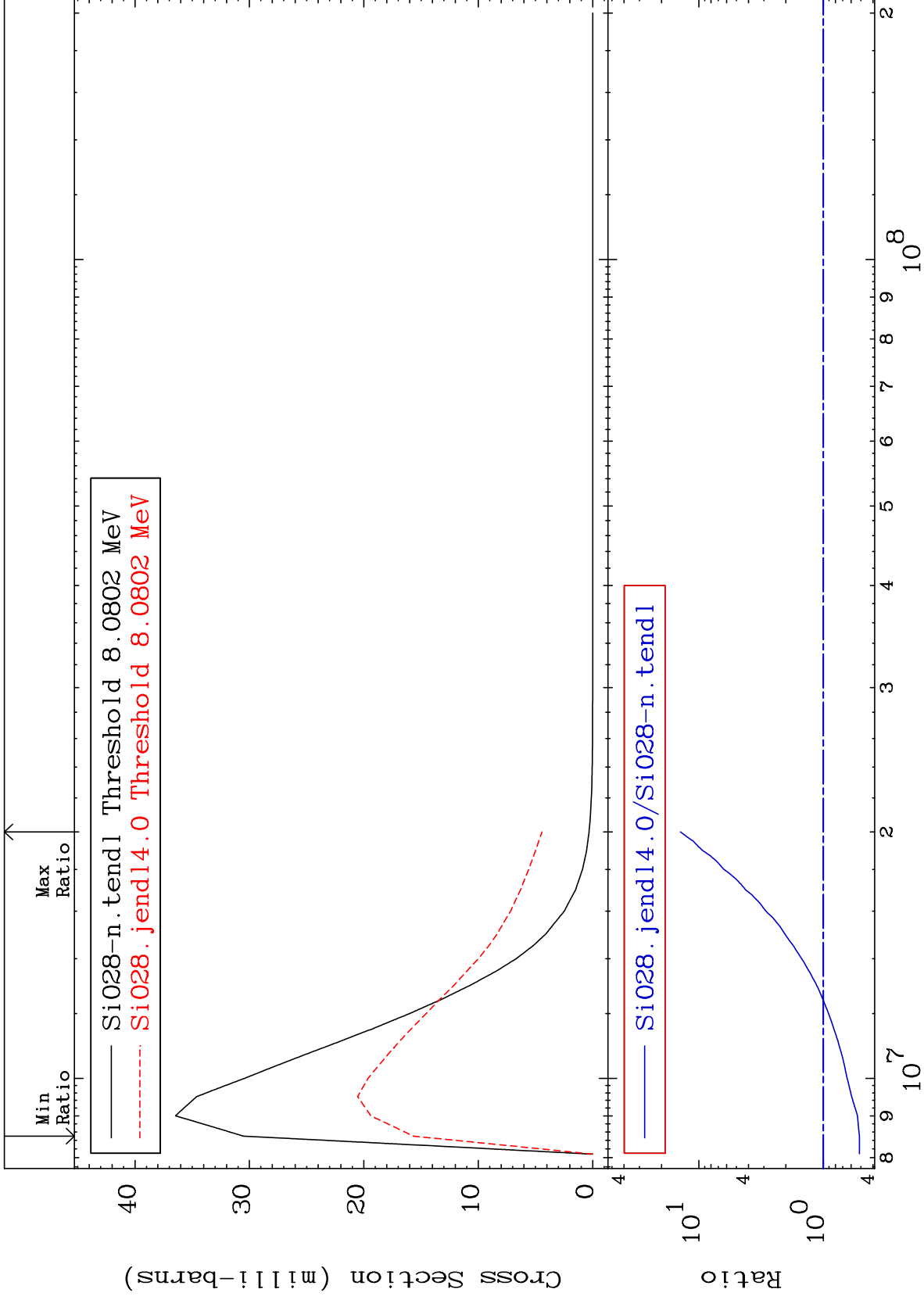
Incident Energy (eV)

14-Si-28

MAT 1425

7.799 MeV (n,n') Level
Cross Section

14-Si-28
-48.66 To 1310. %



16

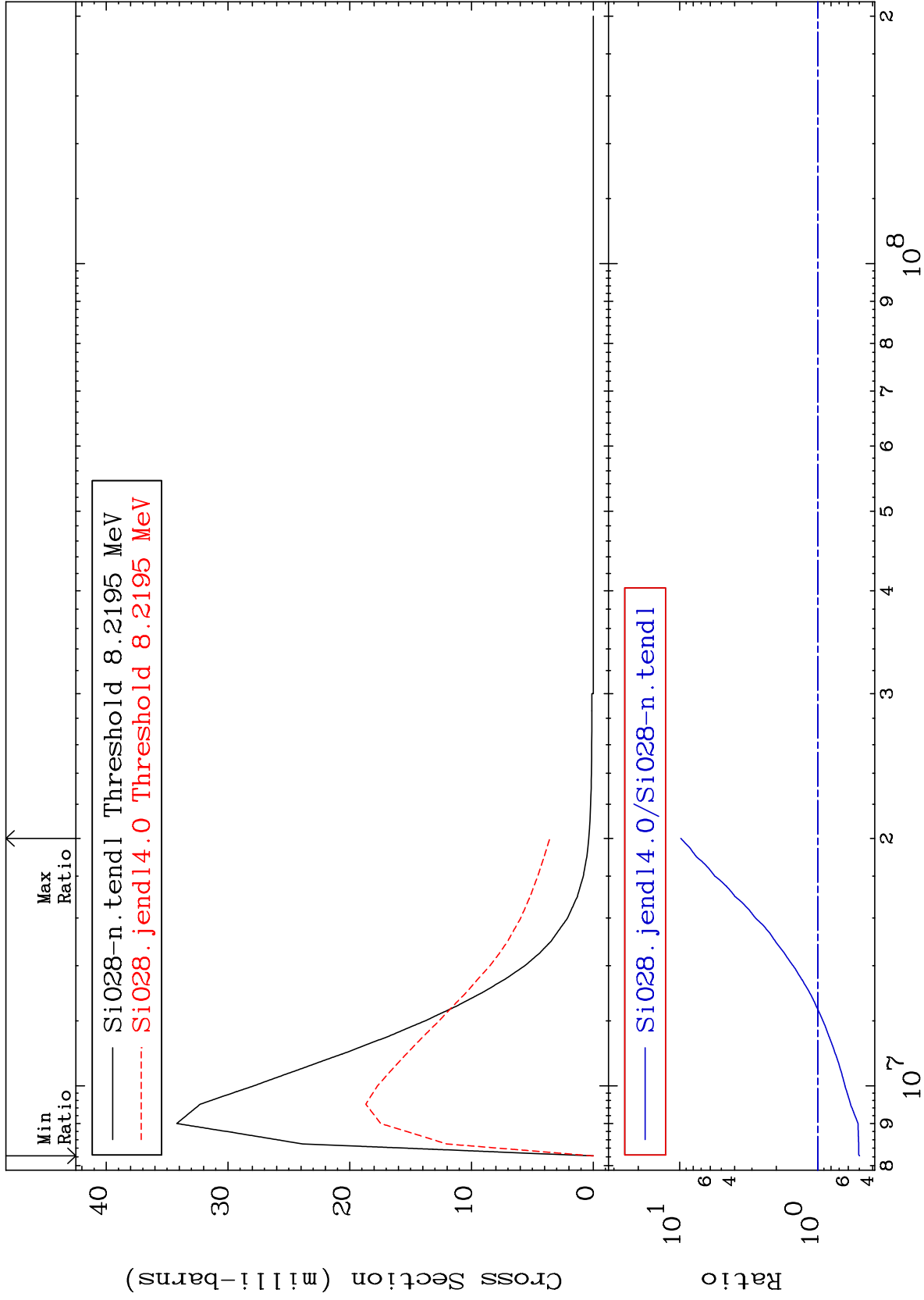
Incident Energy (eV)

14-Si-28

MAT 1425

7.933 MeV (n,n') Level
Cross Section

14-Si-28
-50.24 To 883.3 %



17

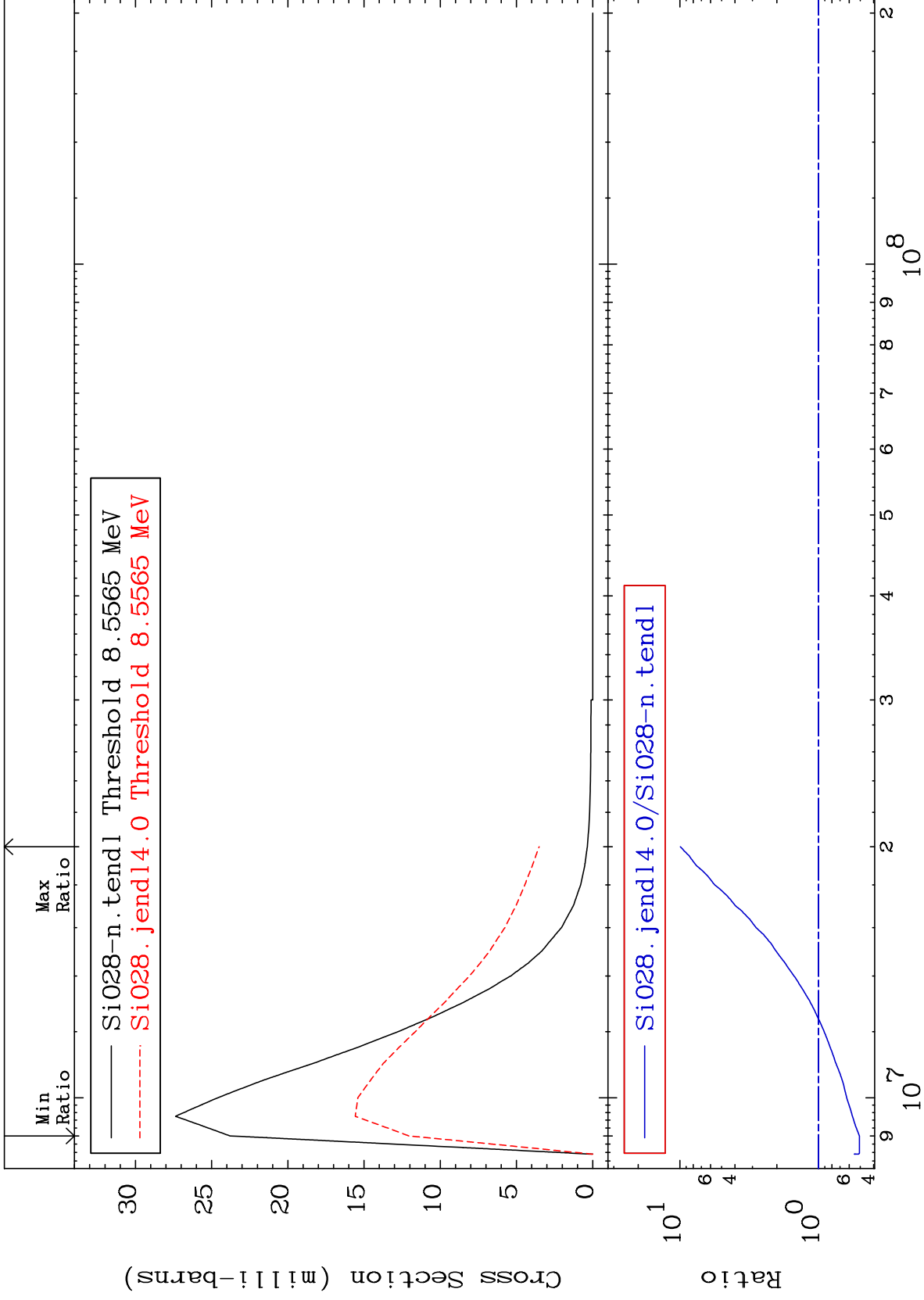
Incident Energy (eV)

14-Si-28

MAT 1425

8.259 MeV (n,n') Level
Cross Section

14-Si-28
-49.31 To 891.9 %



18

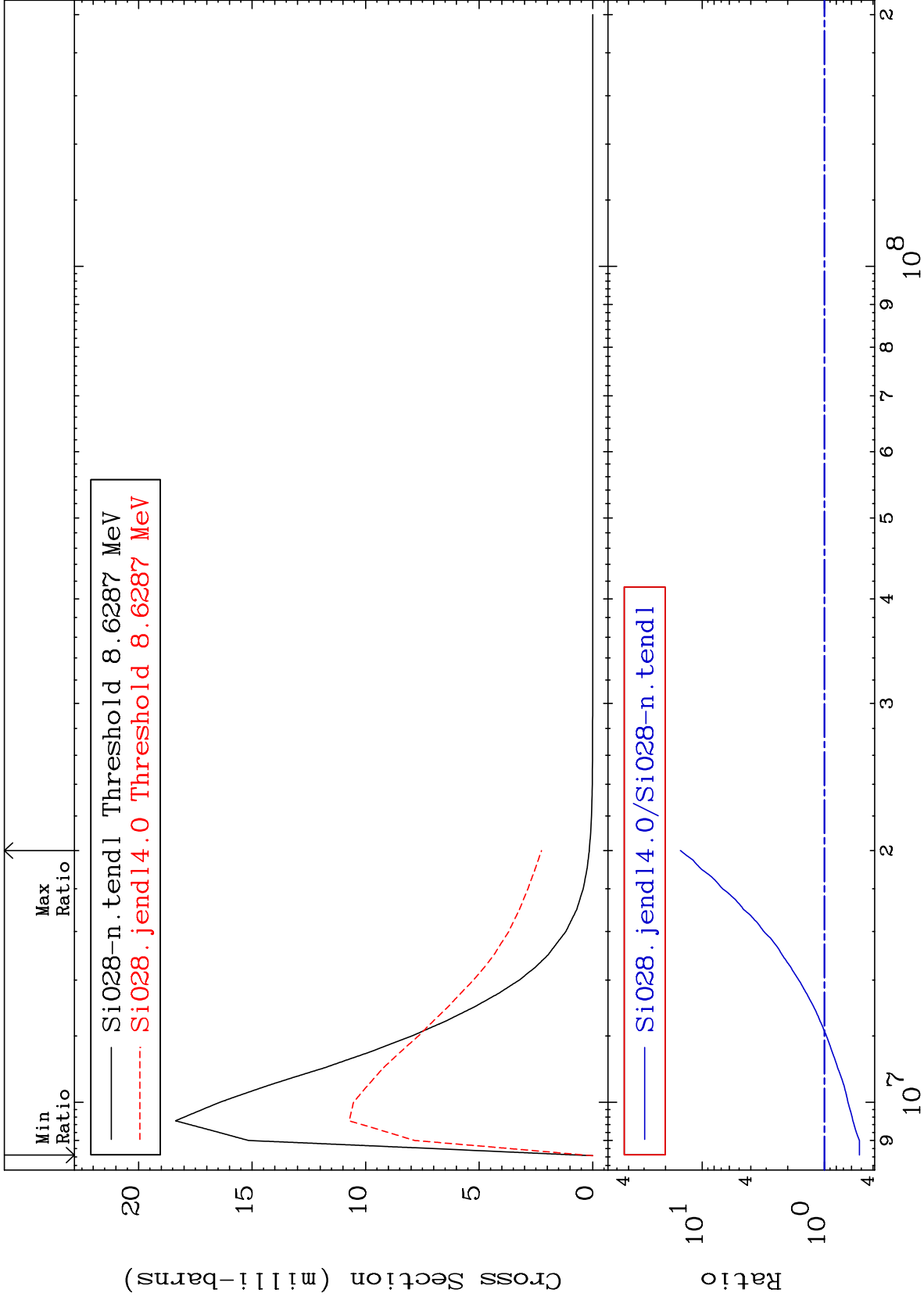
Incident Energy (eV)

14-Si-28

MAT 1425

8.328 MeV (n,n') Level
Cross Section

14-Si-28
-48.29 To 1410. %



19

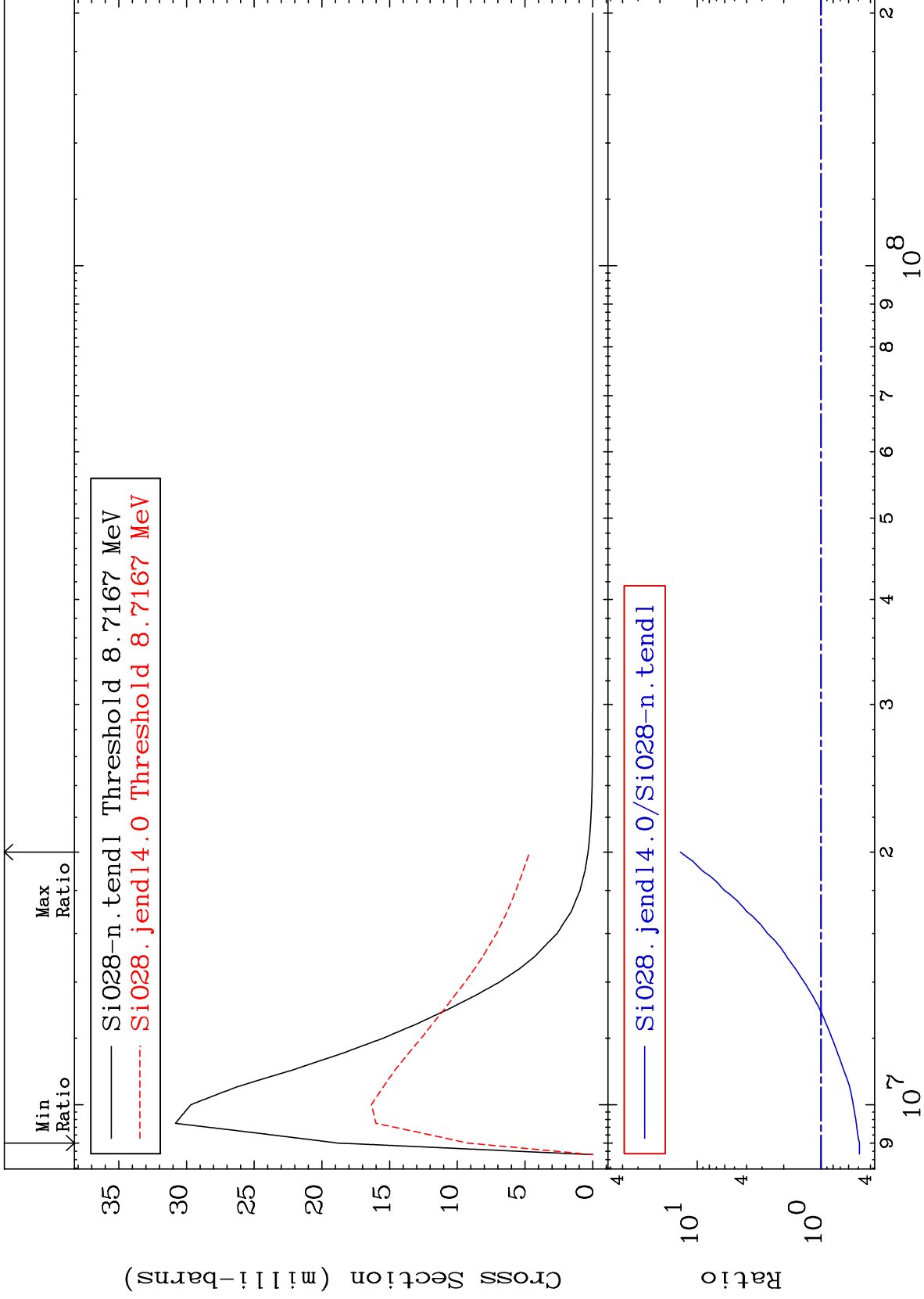
Incident Energy (eV)

14-Si-28

MAT 1425

8.413 MeV (n,n') Level
Cross Section

14-Si-28
-50.91 To 1267. %



20

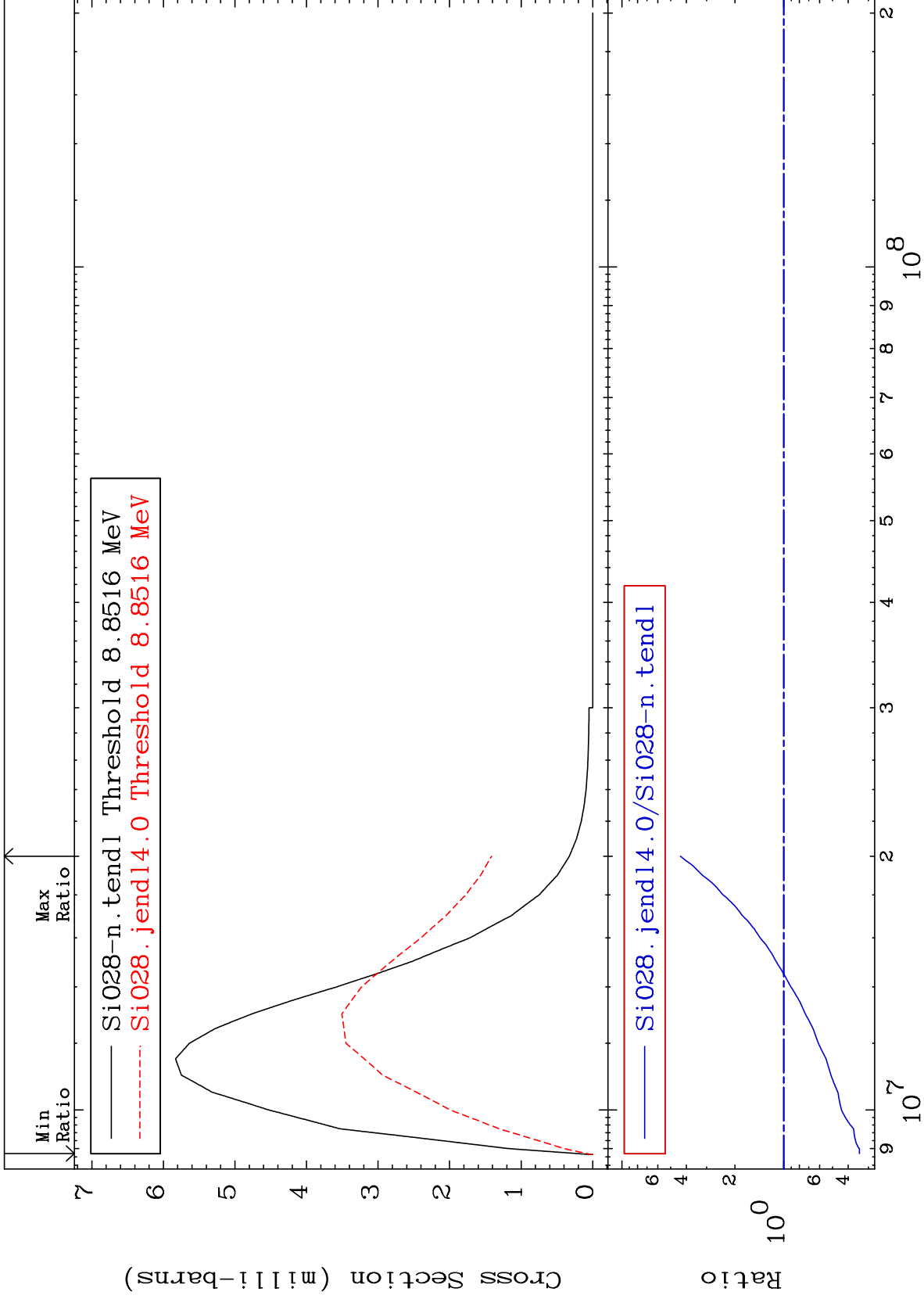
Incident Energy (eV)

14-Si-28

MAT 1425

8.544 MeV (n,n') Level
Cross Section

14-Si-28
-65.94 To 335.4 %



21

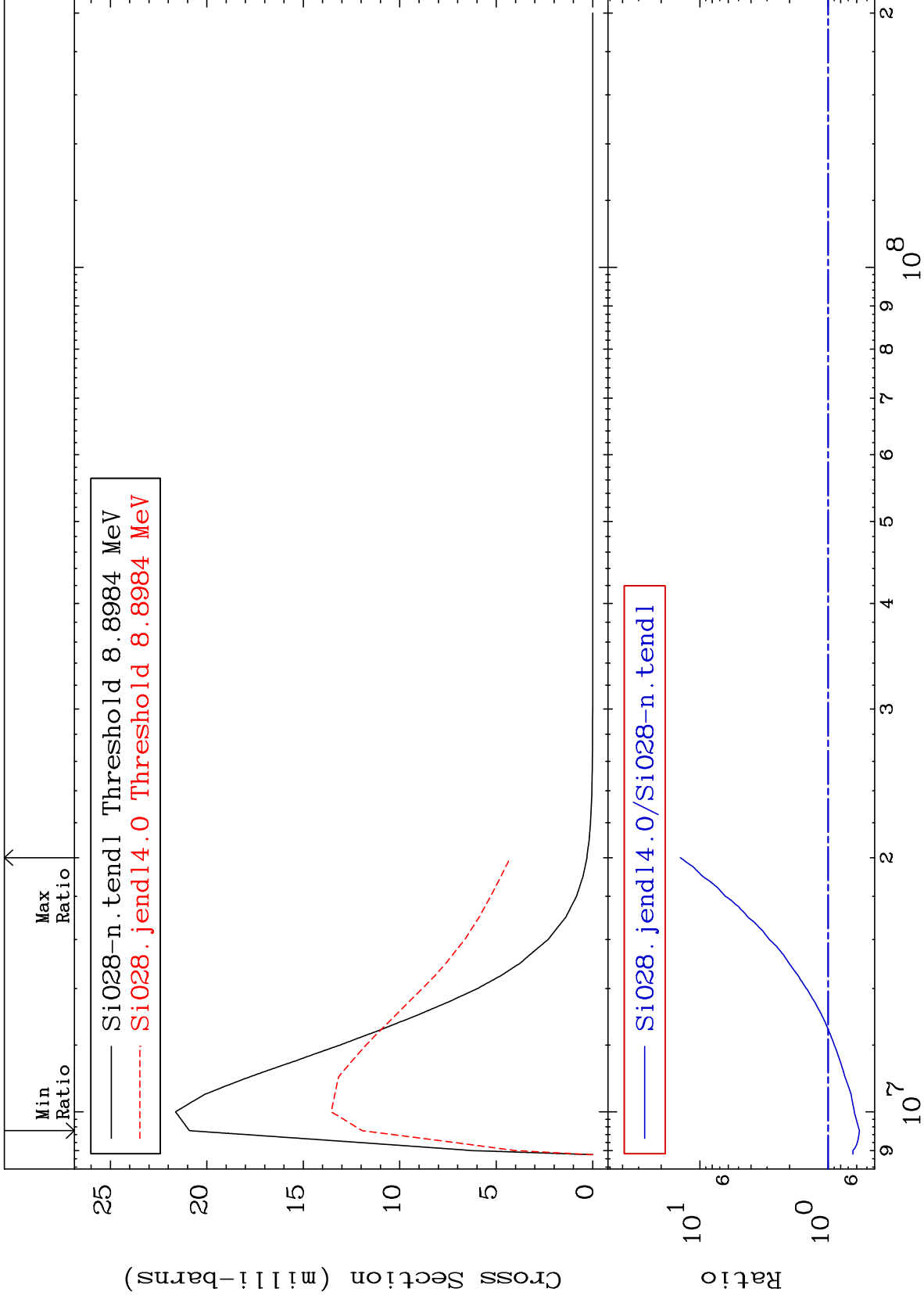
14-Si-28

14-Si-28

MAT 1425

8.589 MeV (n,n') Level
Cross Section

14-Si-28
-42.84 To 1318. %



22

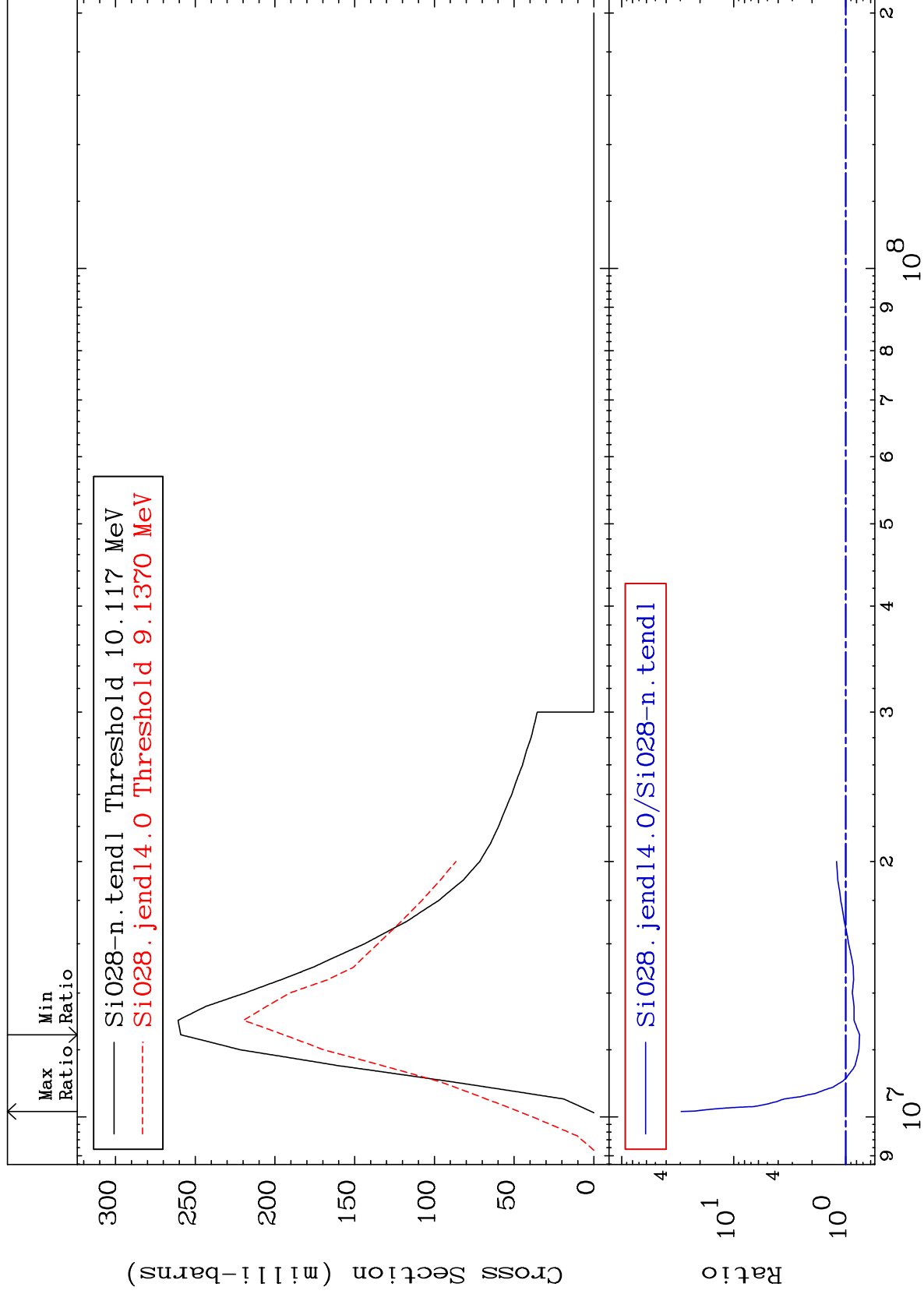
Incident Energy (eV)

14-Si-28

MAT 1425

(n, n') Continuum
Cross Section

14-Si-28
-24.90 To 2841. %



23

Incident Energy (eV)

14-Si-28

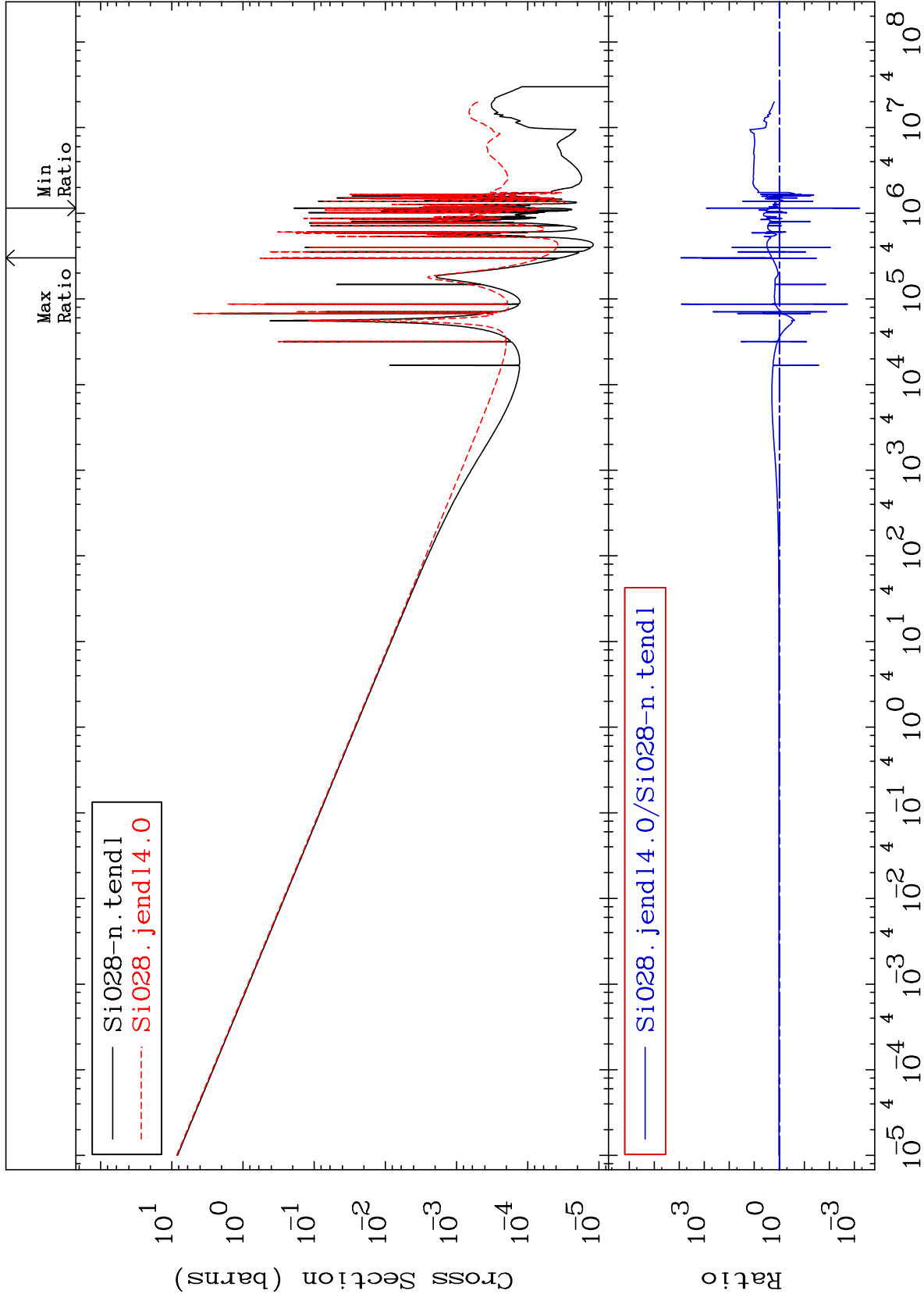
MAT 1425

(n, γ)

14-Si-28

Cross Section

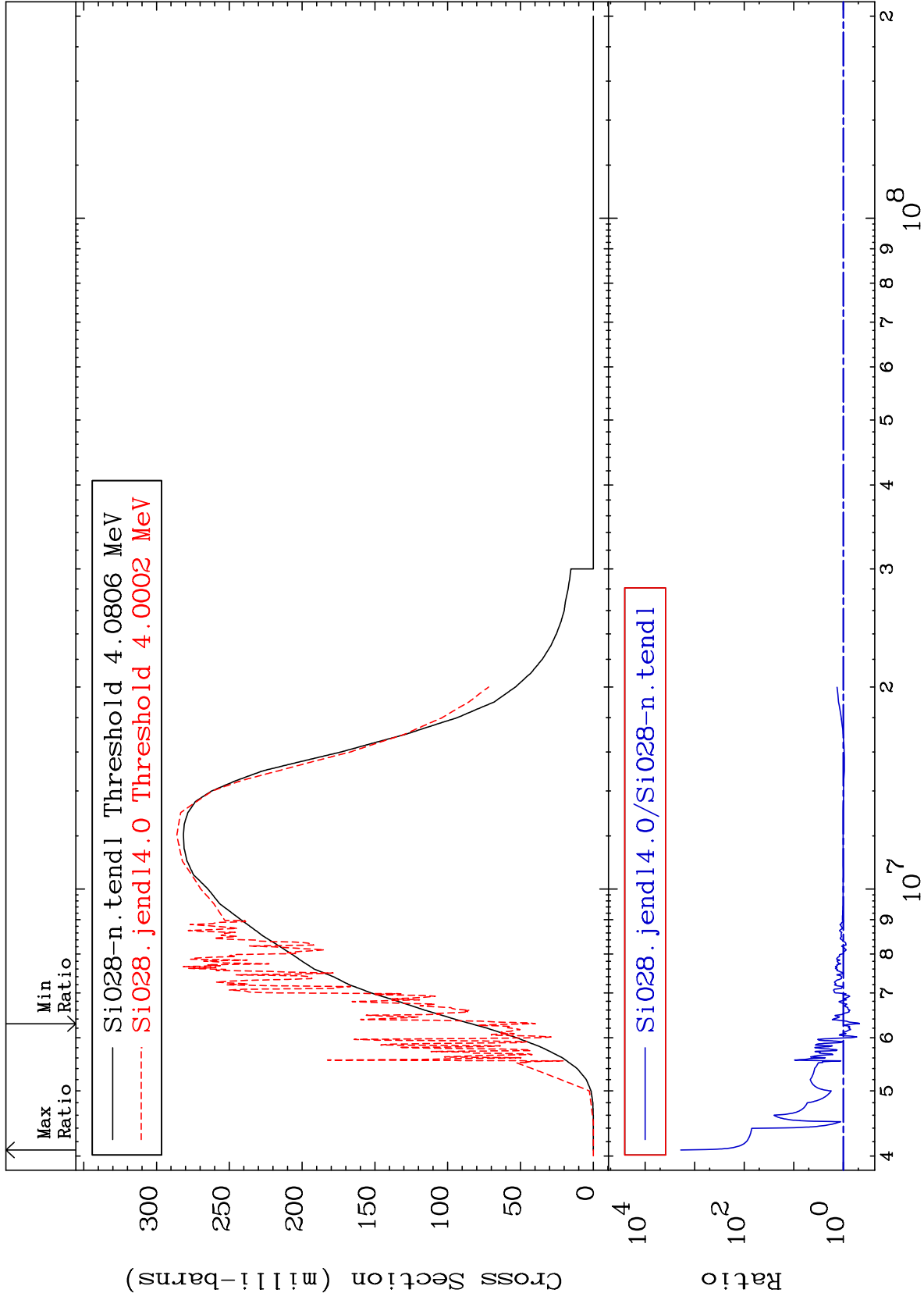
-99.94 To 9999. %



MAT 1425

(n,p)
Cross Section

14-Si-28
-52.80 To 9999. %



25

Incident Energy (eV)

14-Si-28

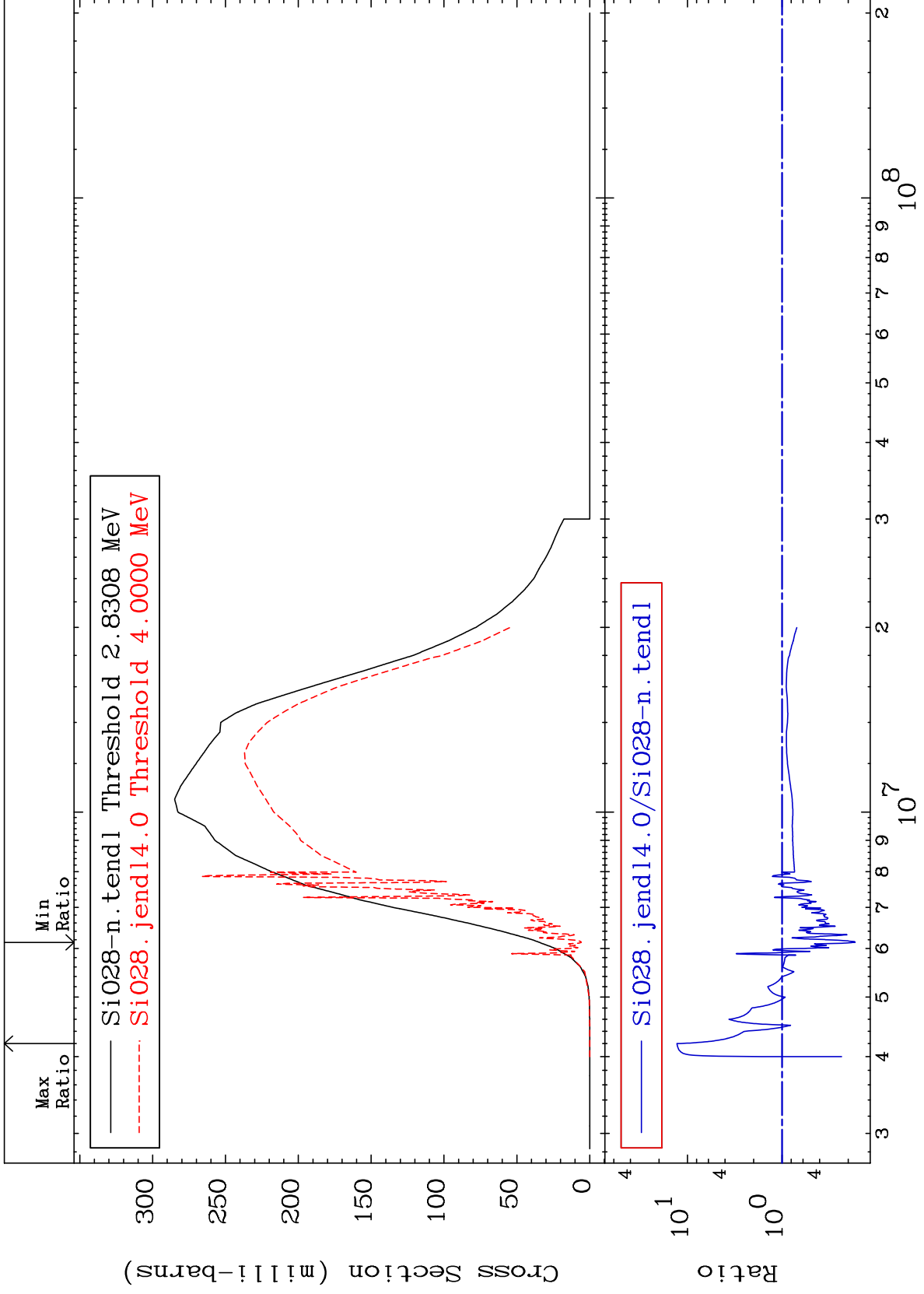
MAT 1425

(n, α)

14-Si-28

Cross Section

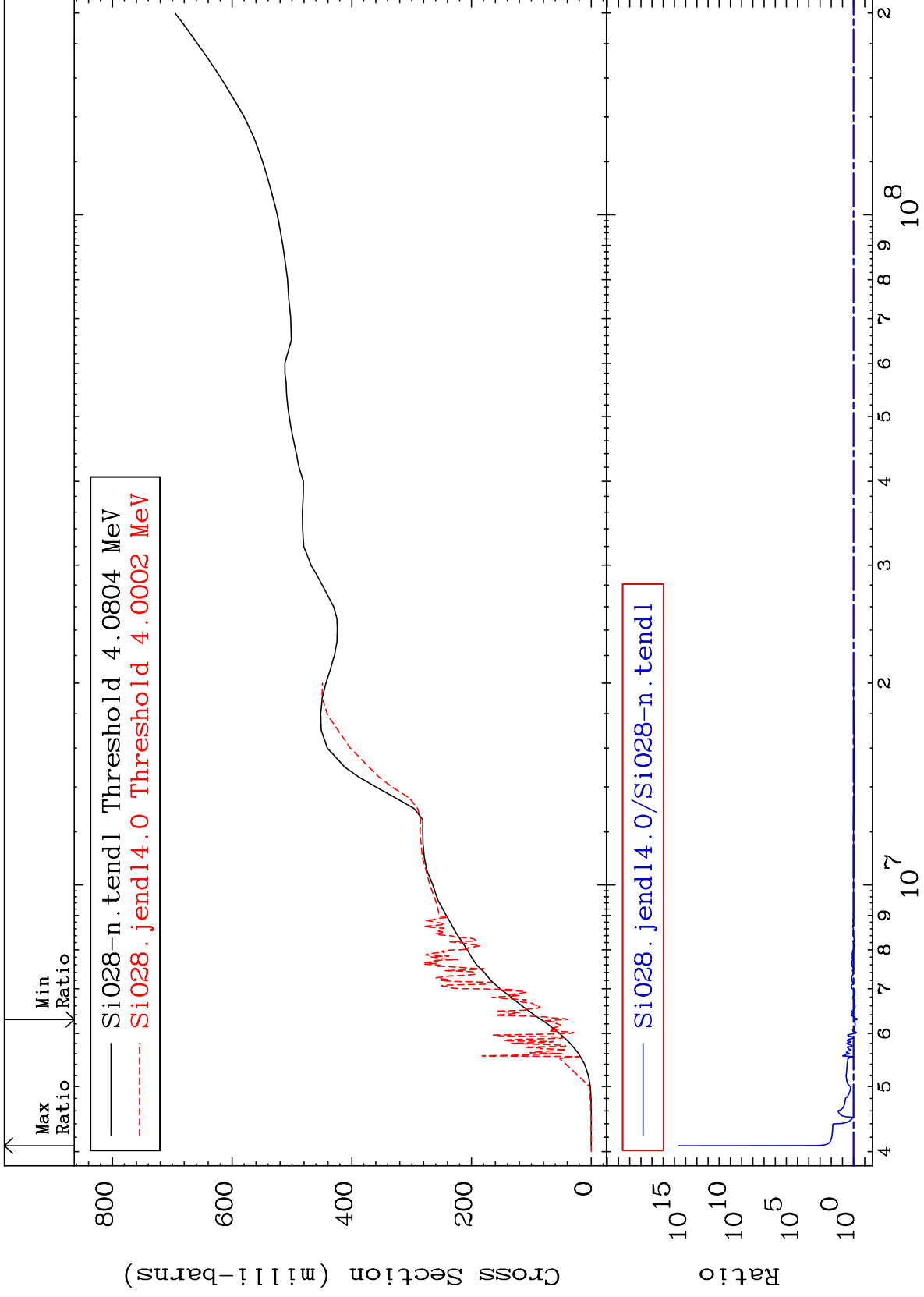
-83.11 To 1192. %



26

Incident Energy (eV)

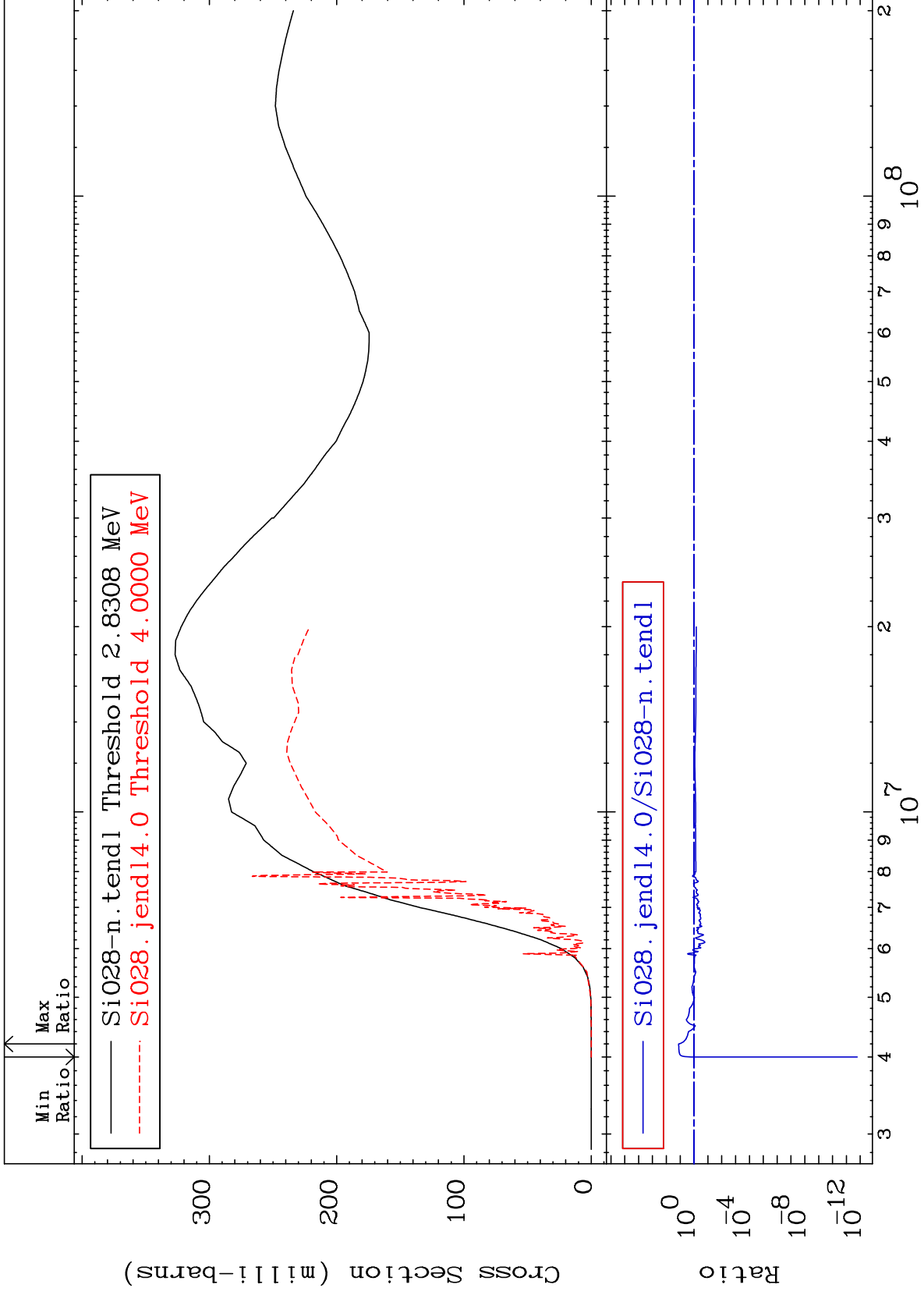
14-Si-28



MAT 1425

He-4 Production
Cross Section

14-Si-28
-100.0 To 1192. %



28

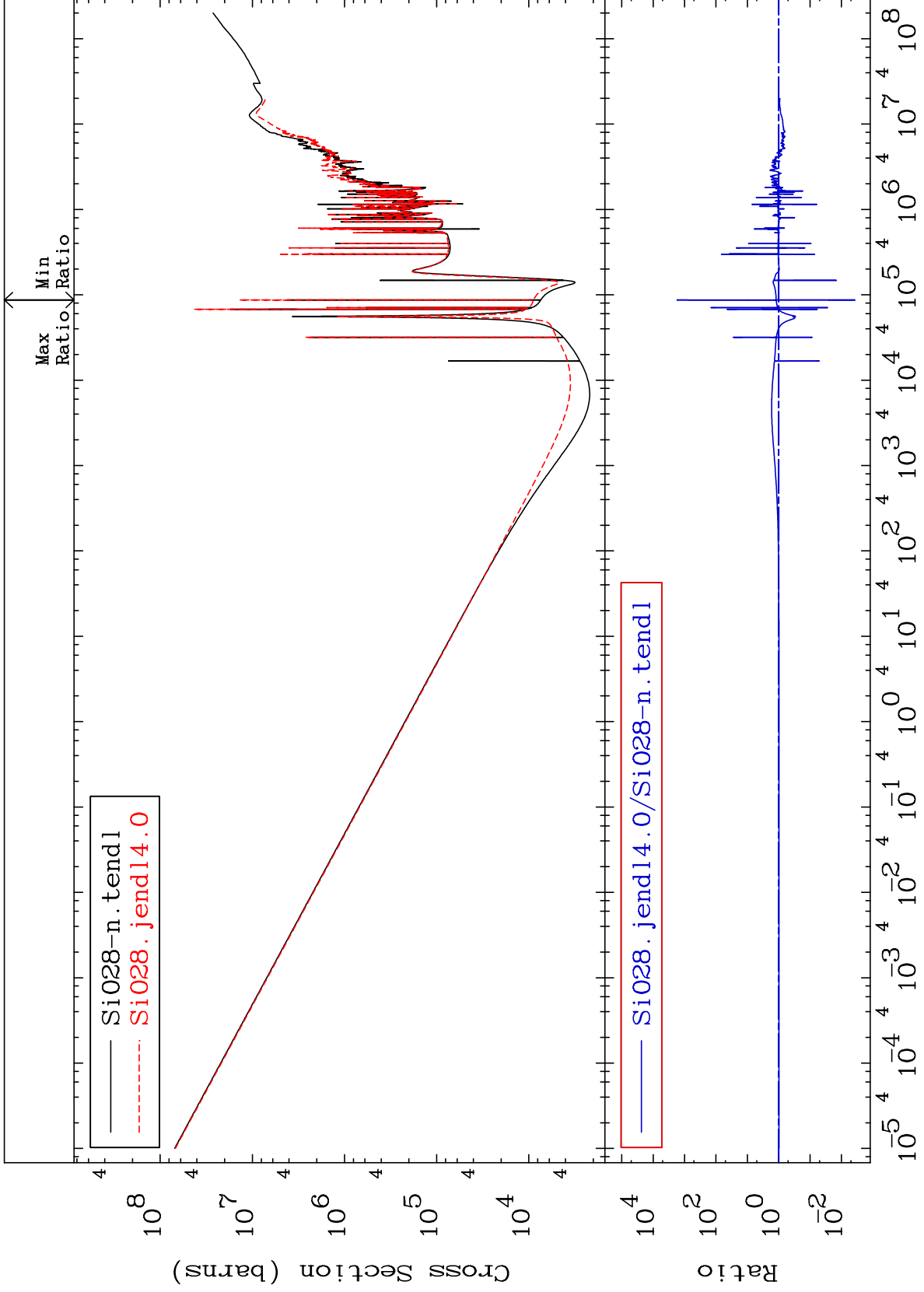
Incident Energy (eV)

14-Si-28

MAT 1425

Kerma total (eV-barns)
Cross Section

14-Si-28
-99.63 To 9999. %



29

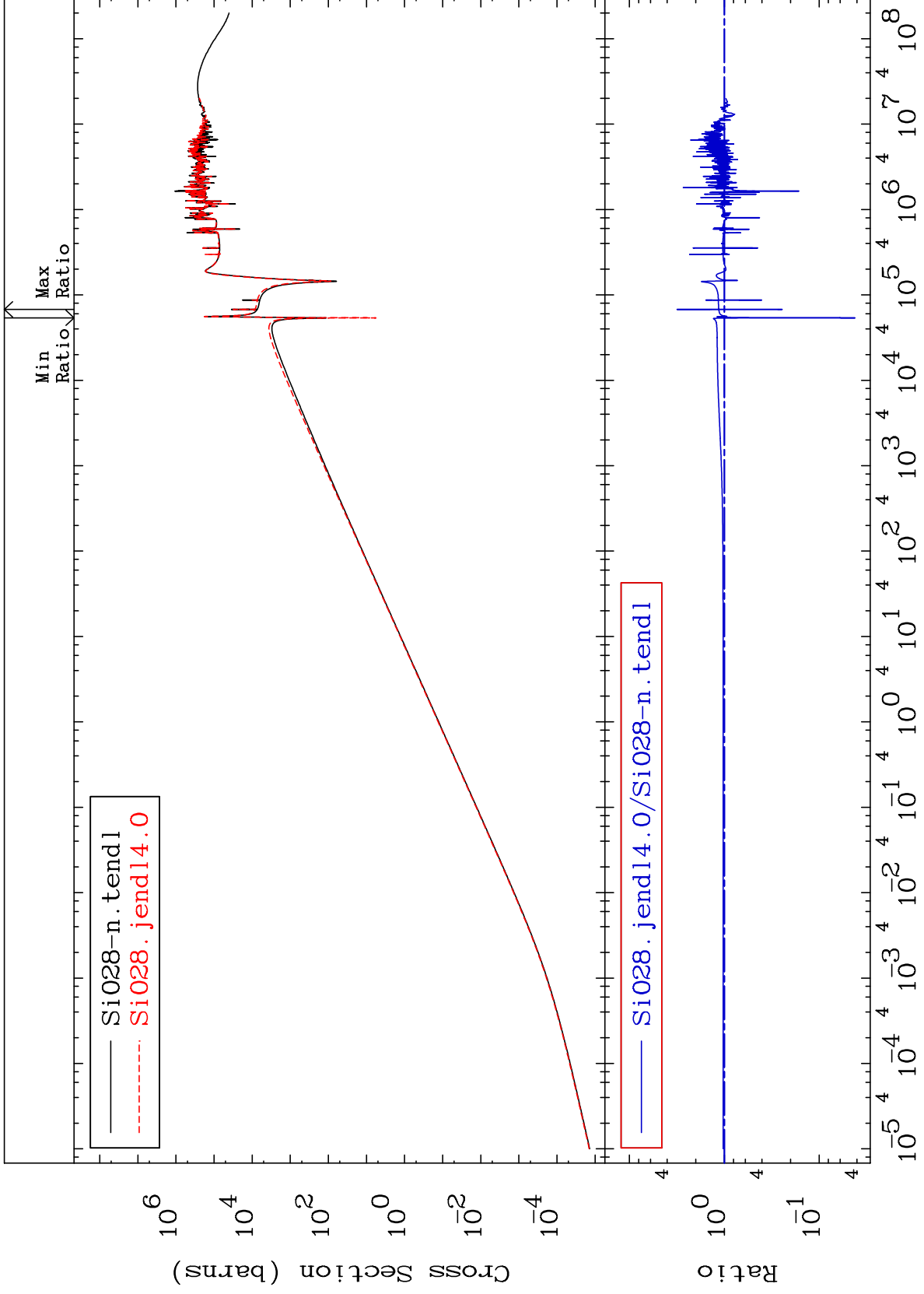
Incident Energy (eV)

14-Si-28

MAT 1425

Kerma elastic
Cross Section

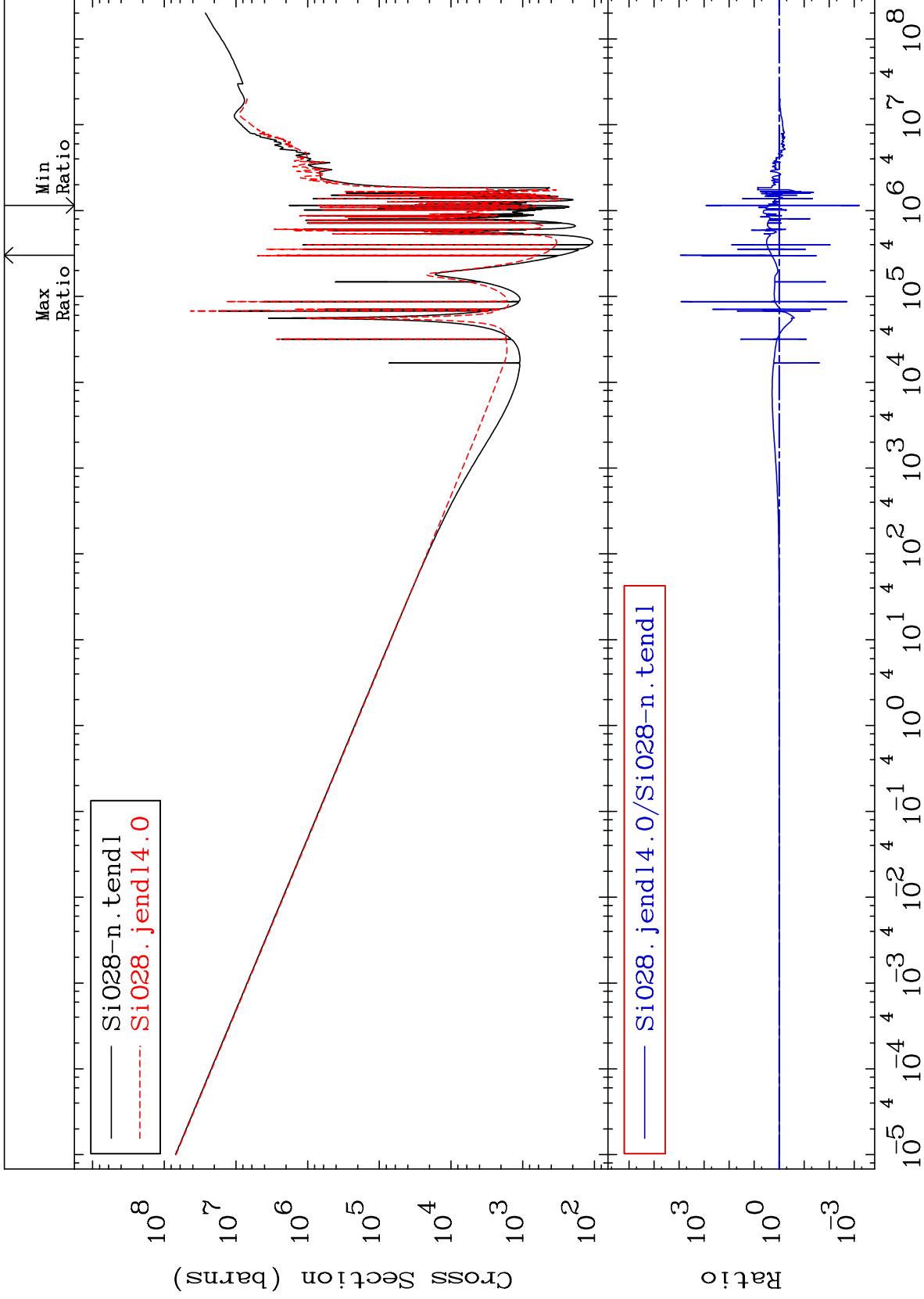
14-Si-28
-95.82 To 215.9 %



30

Incident Energy (eV)

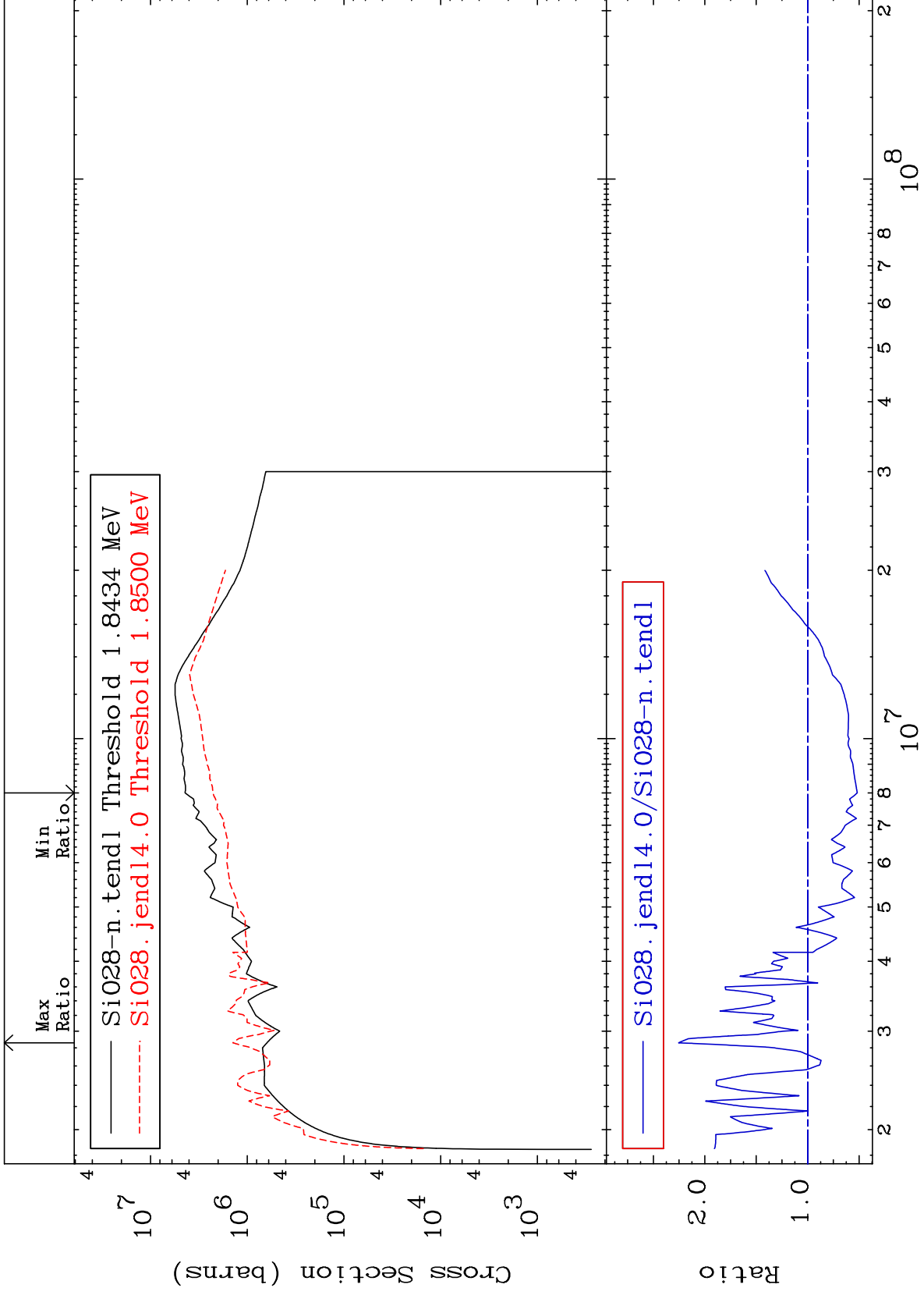
14-Si-28



MAT 1425

Kerma inelastic (mt51-91)
Cross Section

14-Si-28
-48.16 To 125.5 %



32

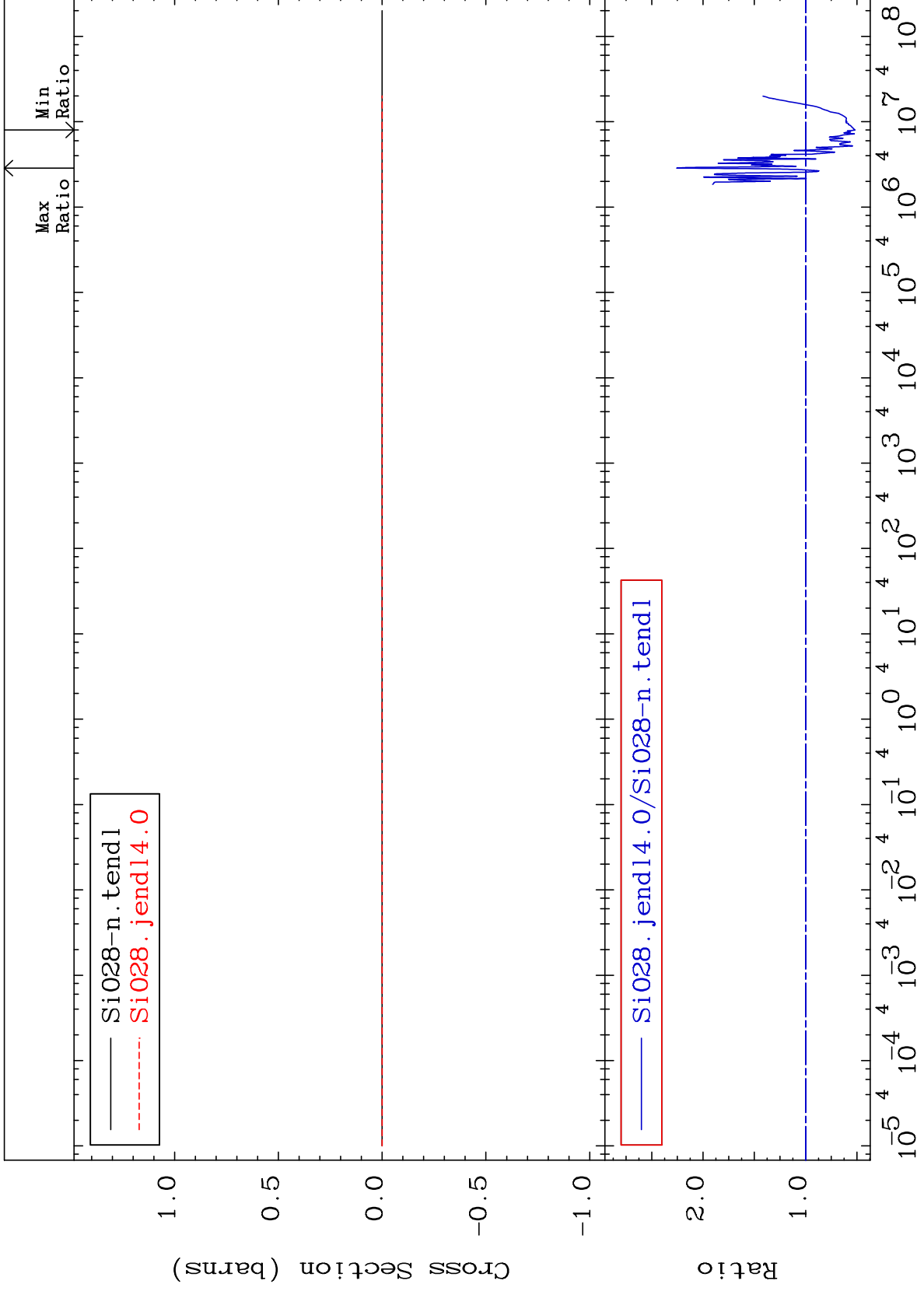
Incident Energy (eV)

14-Si-28

MAT 1425

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

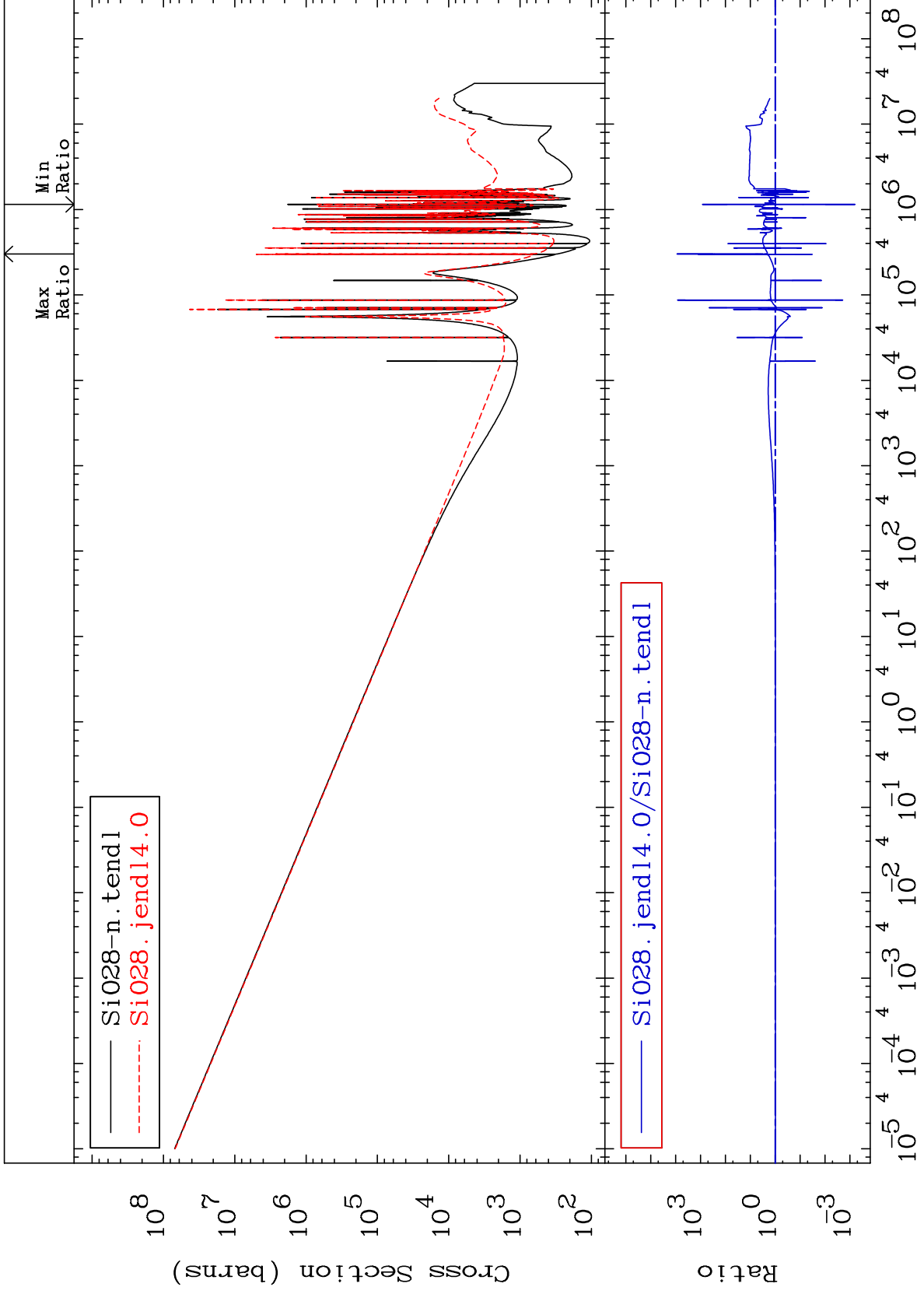
14-Si-28
-48.16 To 125.5 %



MAT 1425

Kerma capture (mt102)
Cross Section

14-Si-28
-99.94 To 9999. %



34

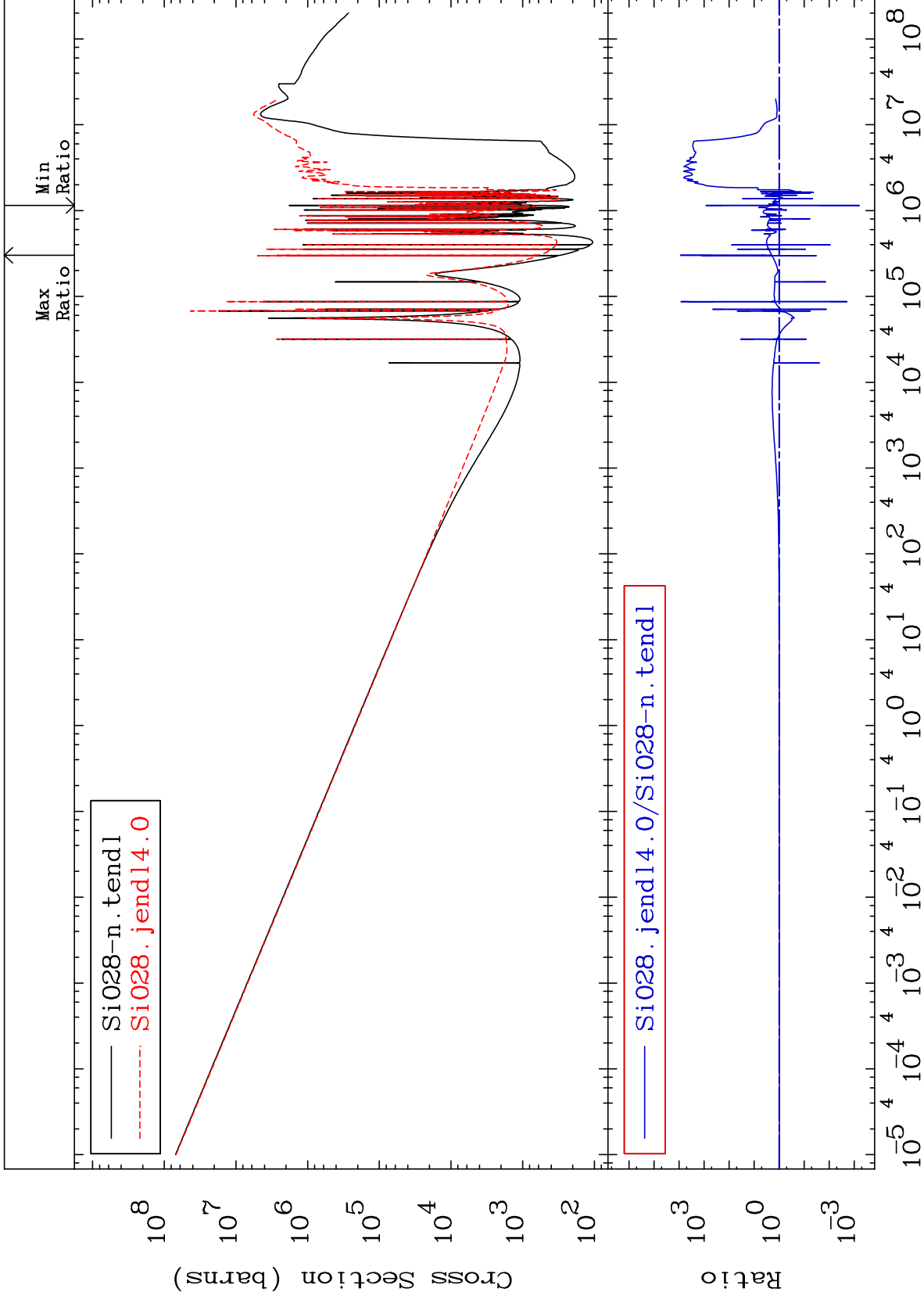
Incident Energy (eV)

14-Si-28

MAT 1425

Total photon (eV-barns)
Cross Section

14-Si-28
-99.94 To 9999. %



35

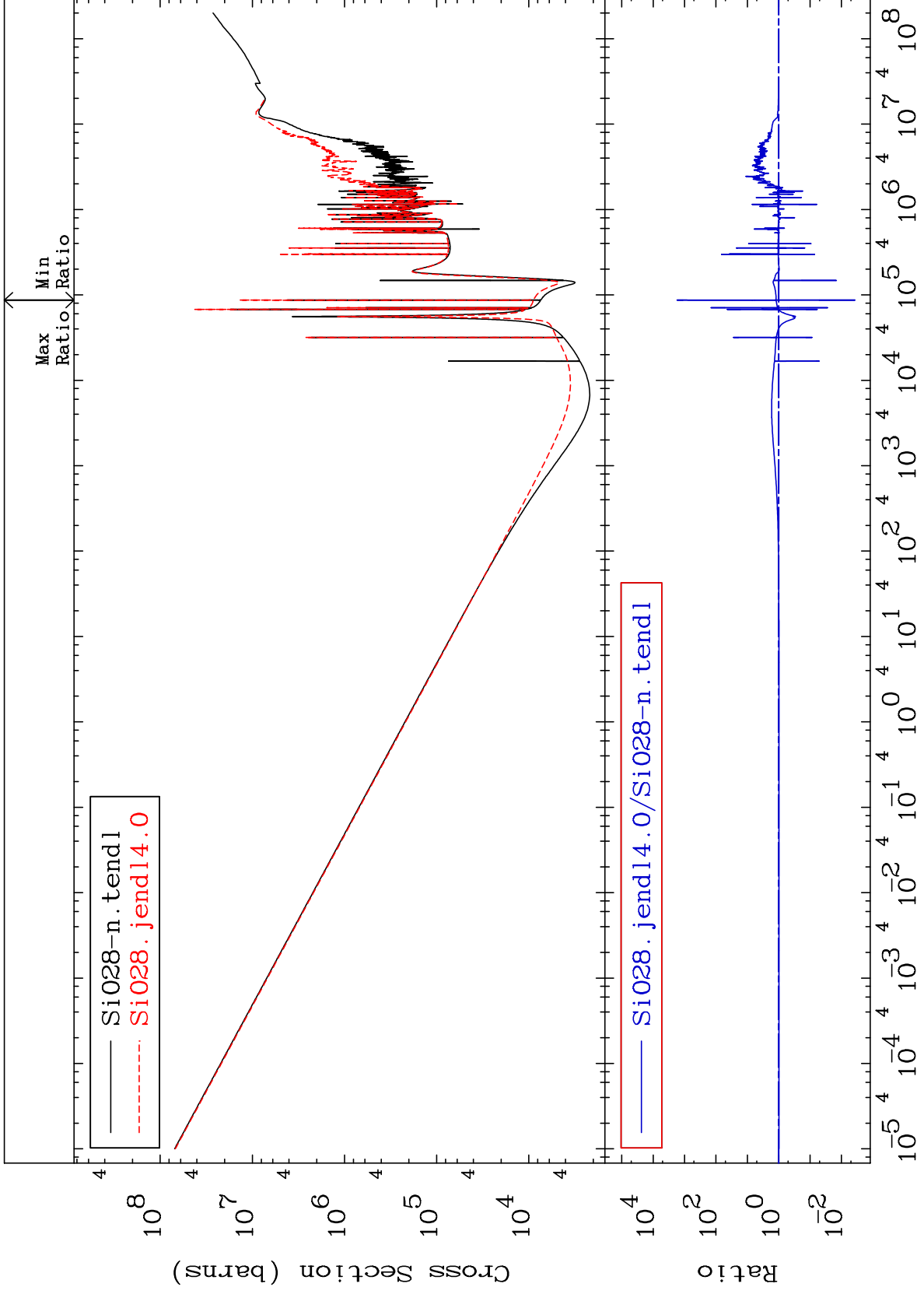
Incident Energy (eV)

14-Si-28

MAT 1425

Total kinematic kerma (high limit)
Cross Section

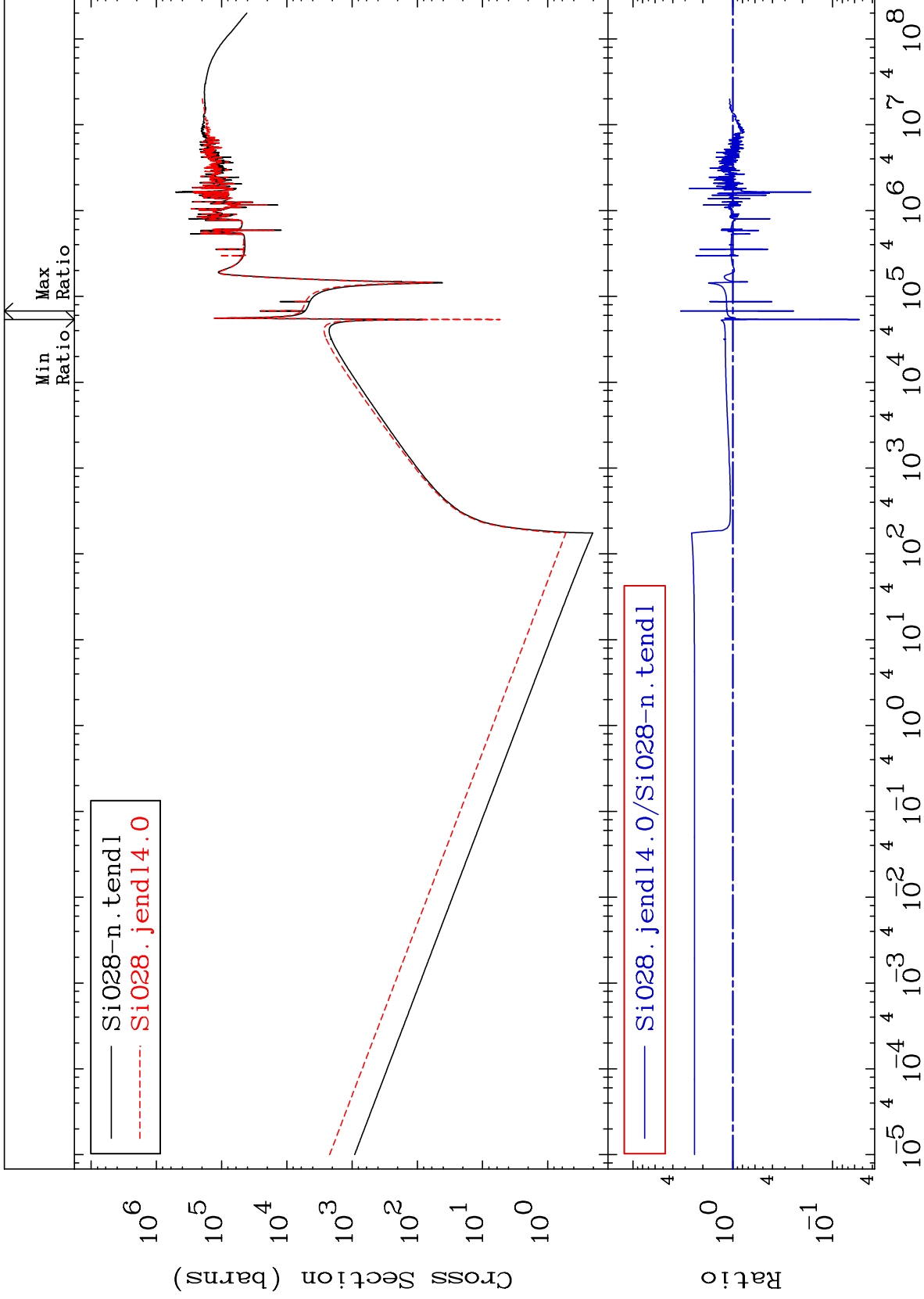
14-Si-28
-99.63 To 9999. %

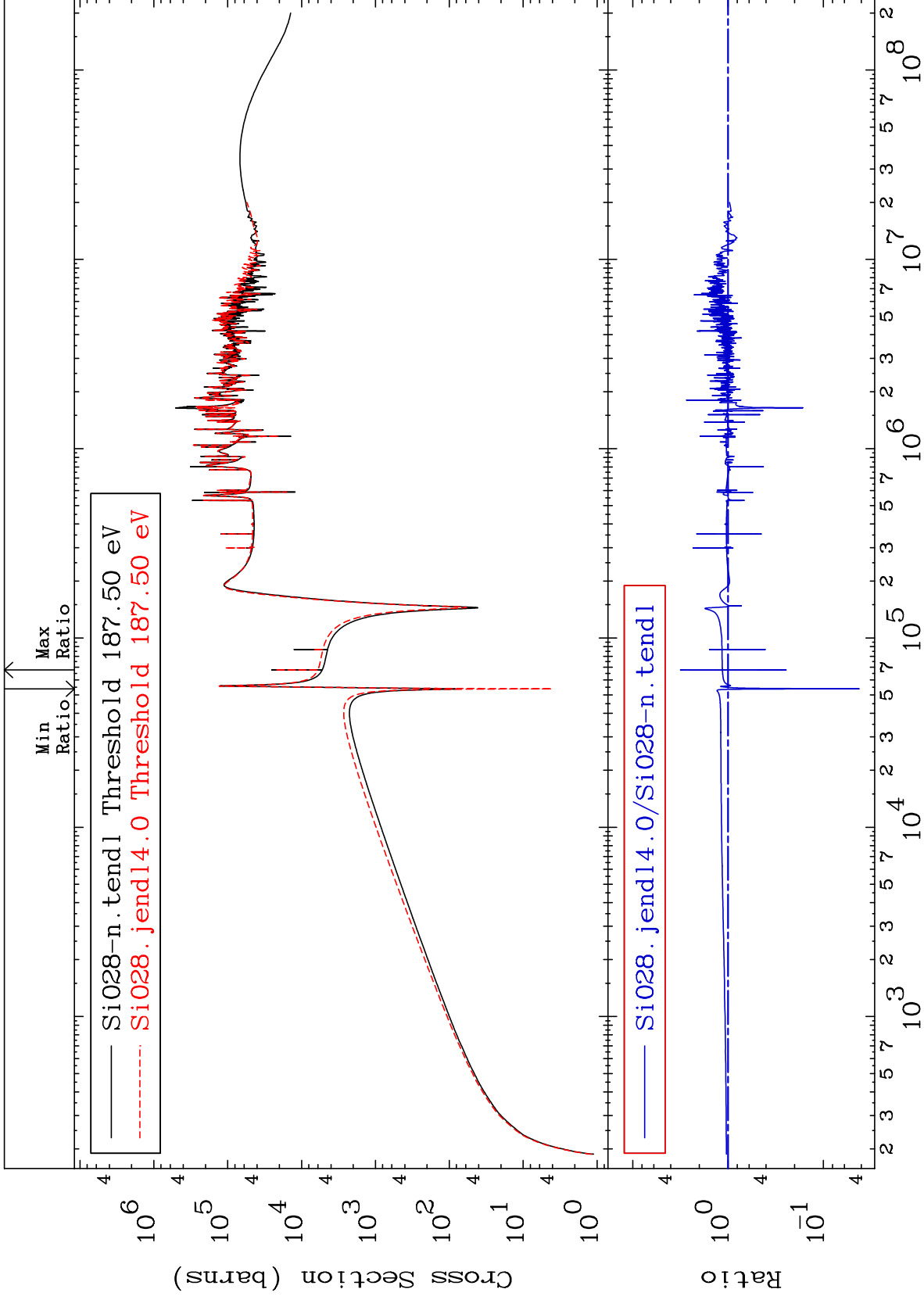


MAT 1425

Dpa total (eV-barns)
Cross Section

14-Si-28
-94.62 To 235.2 %



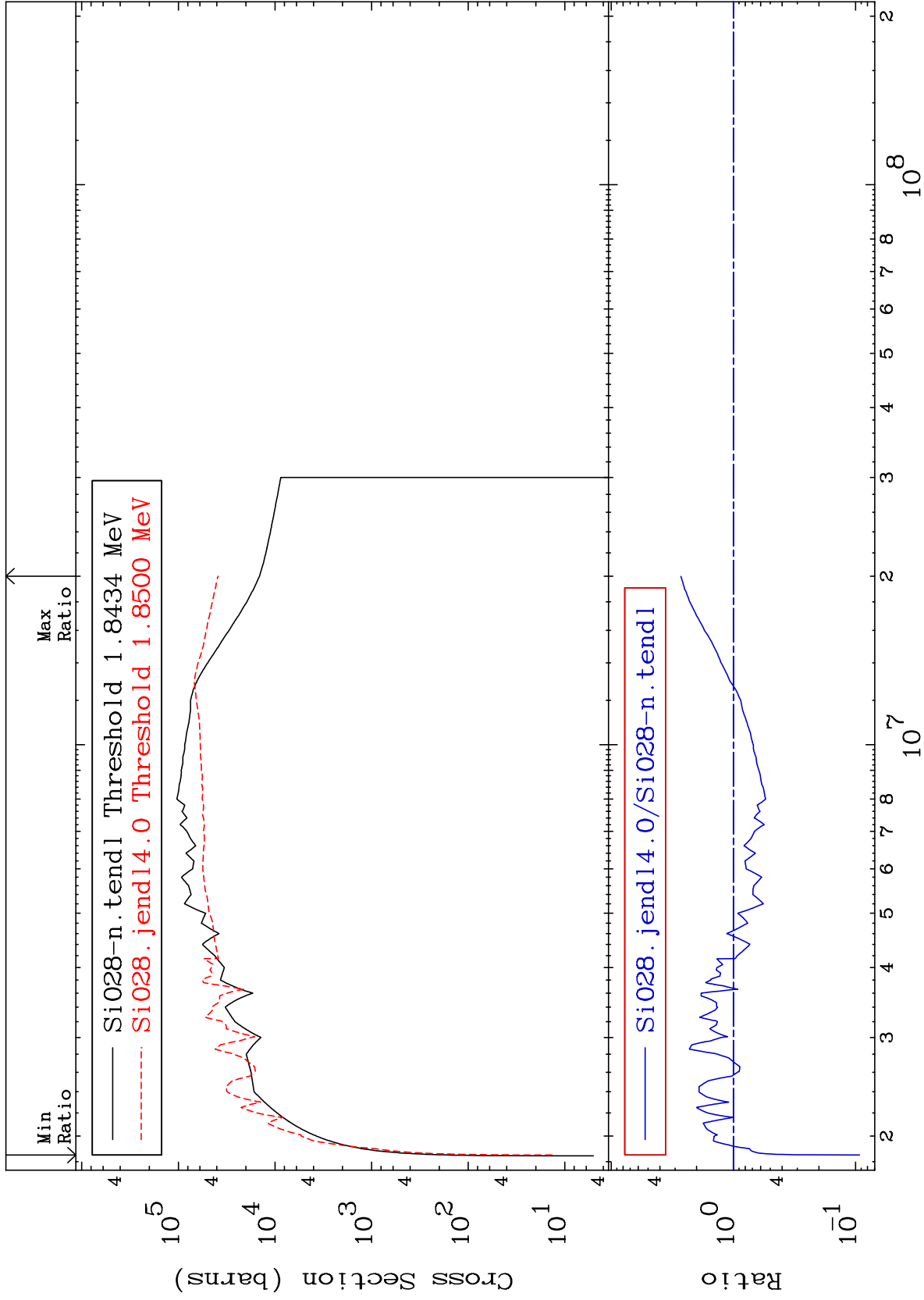


MAT 1425

Dpa inelastic (mt51-91)
Cross Section

14-Si-28

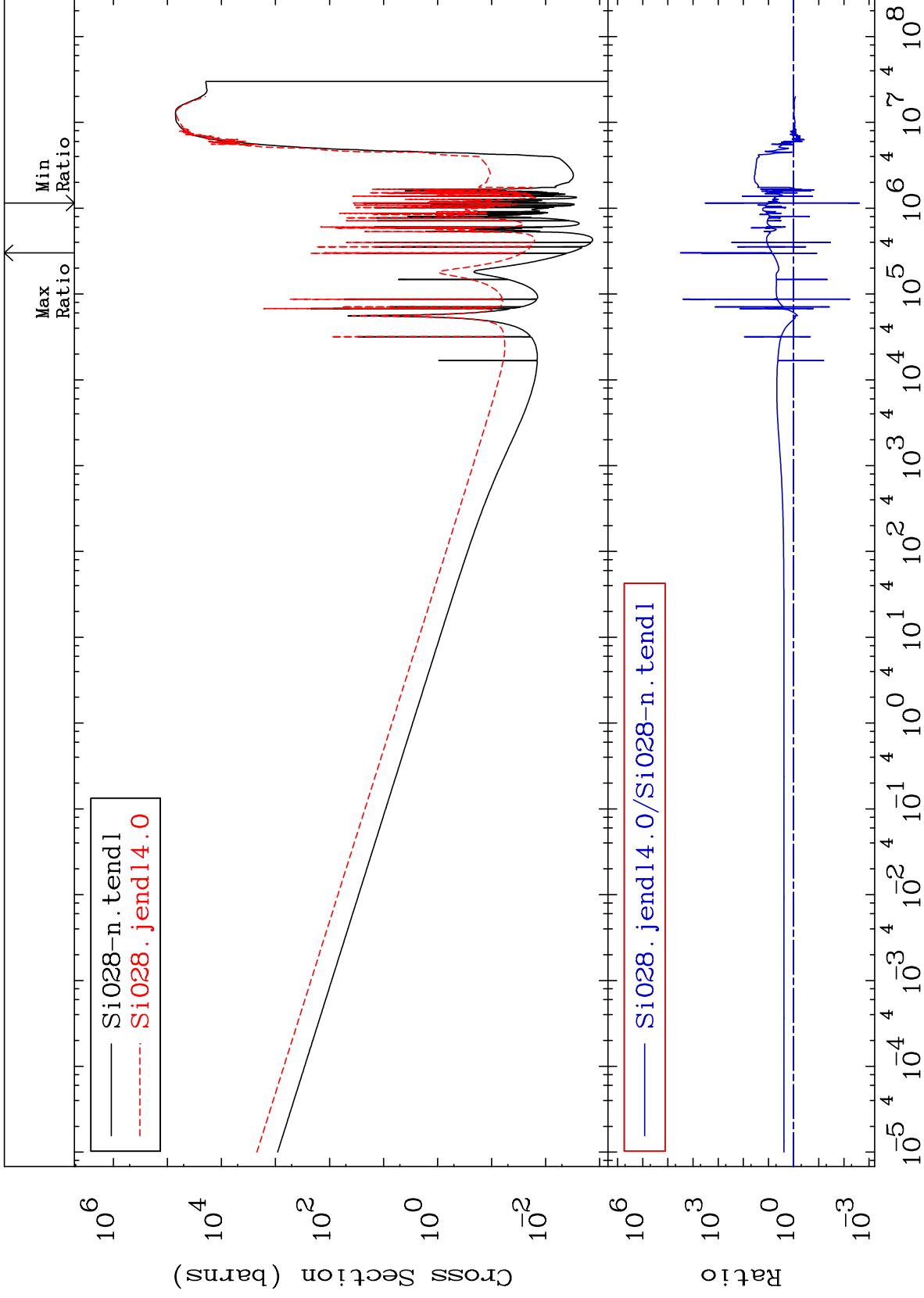
-90.70 To 169.7 %



MAT 1425

Dpa disappearance (mt102 -120)
Cross Section

14-Si-28
-99.76 To 9999. %



Incident Energy (eV)

14-Si-28