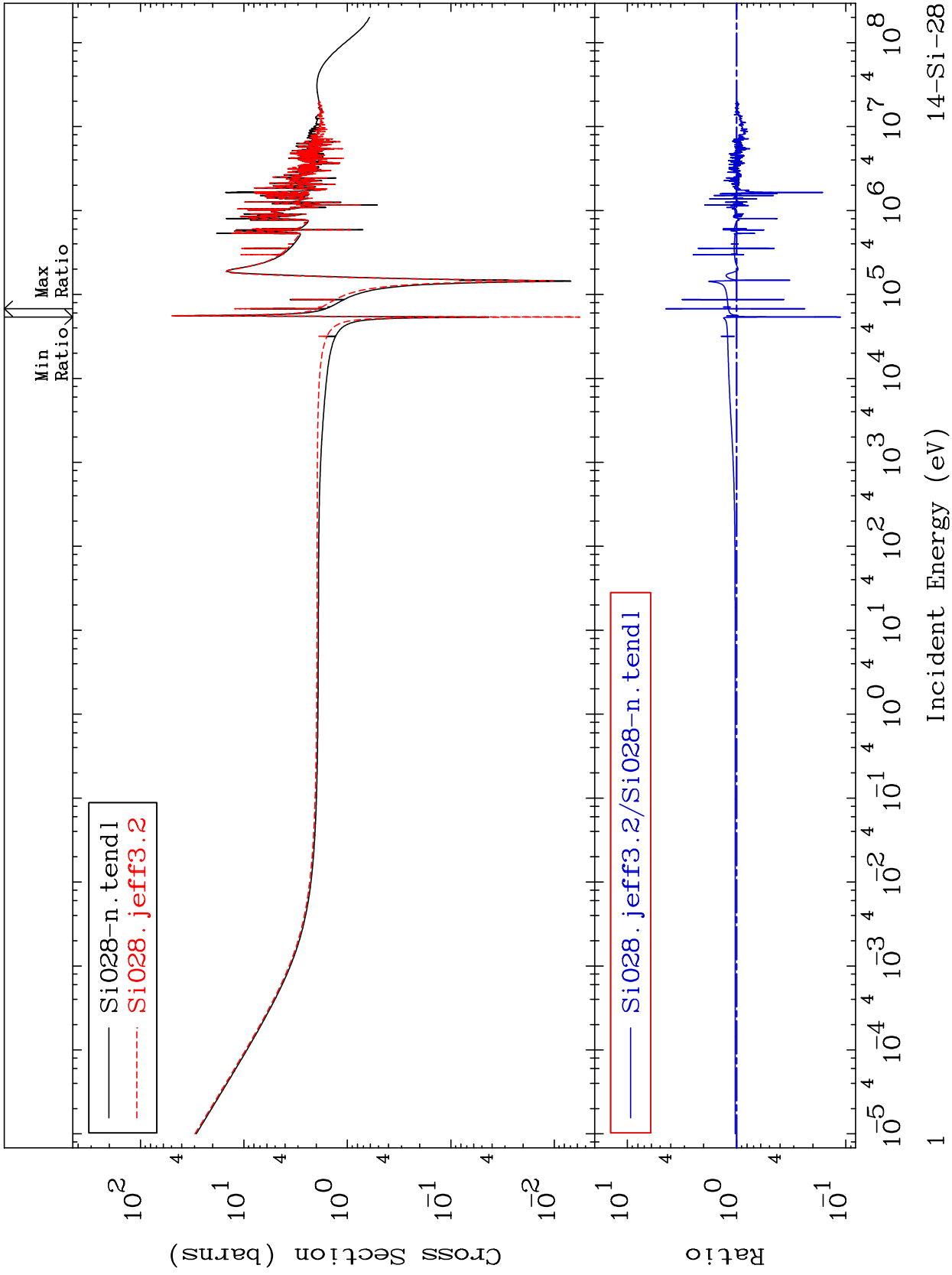


MAT 1425

Total
Cross Section

14-Si-28
-88.84 To 346.6 %

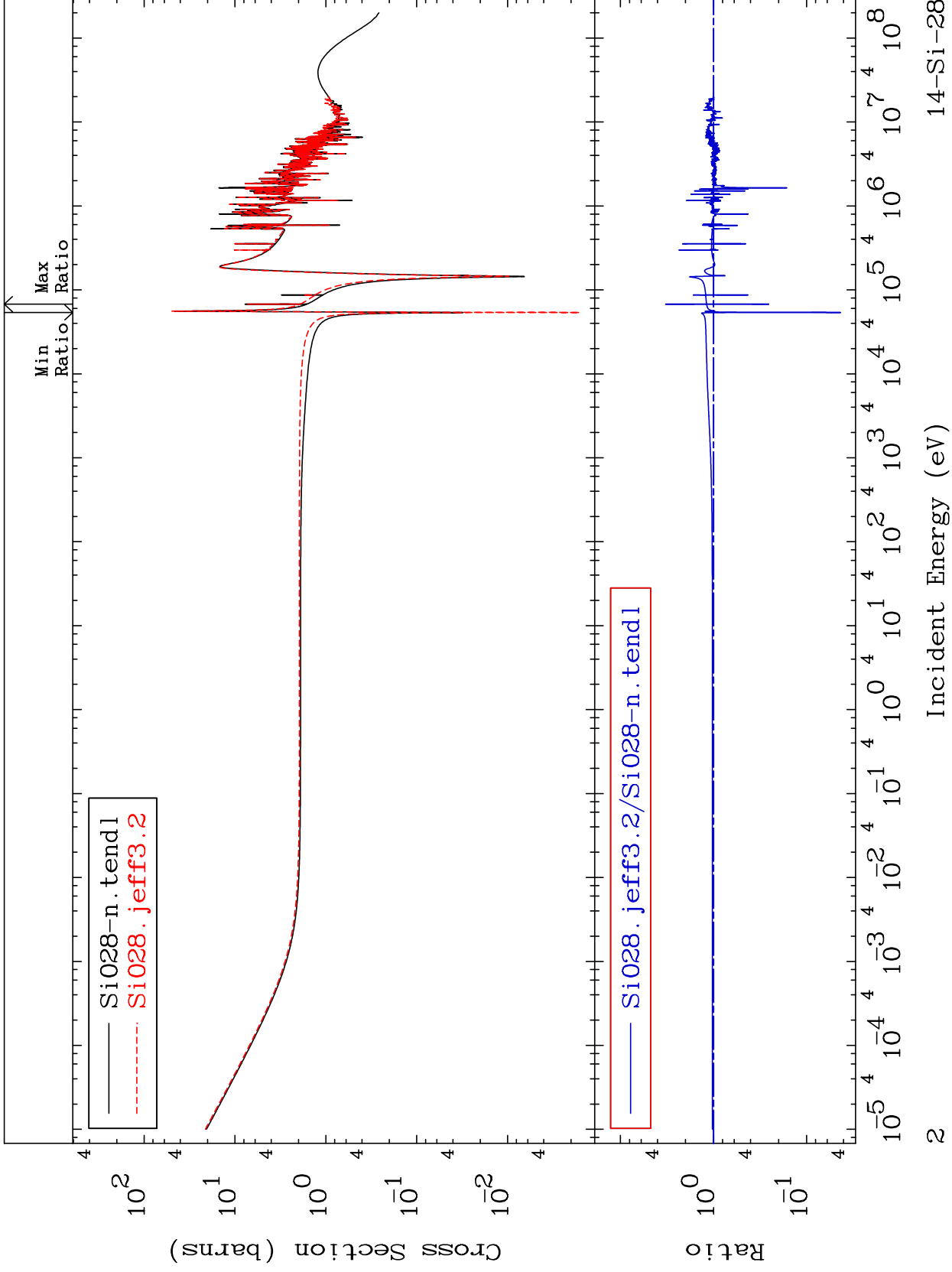


14-Si-28

MAT 1425

Elastic
Cross Section

14-Si-28
-95.70 To 228.2 %



2

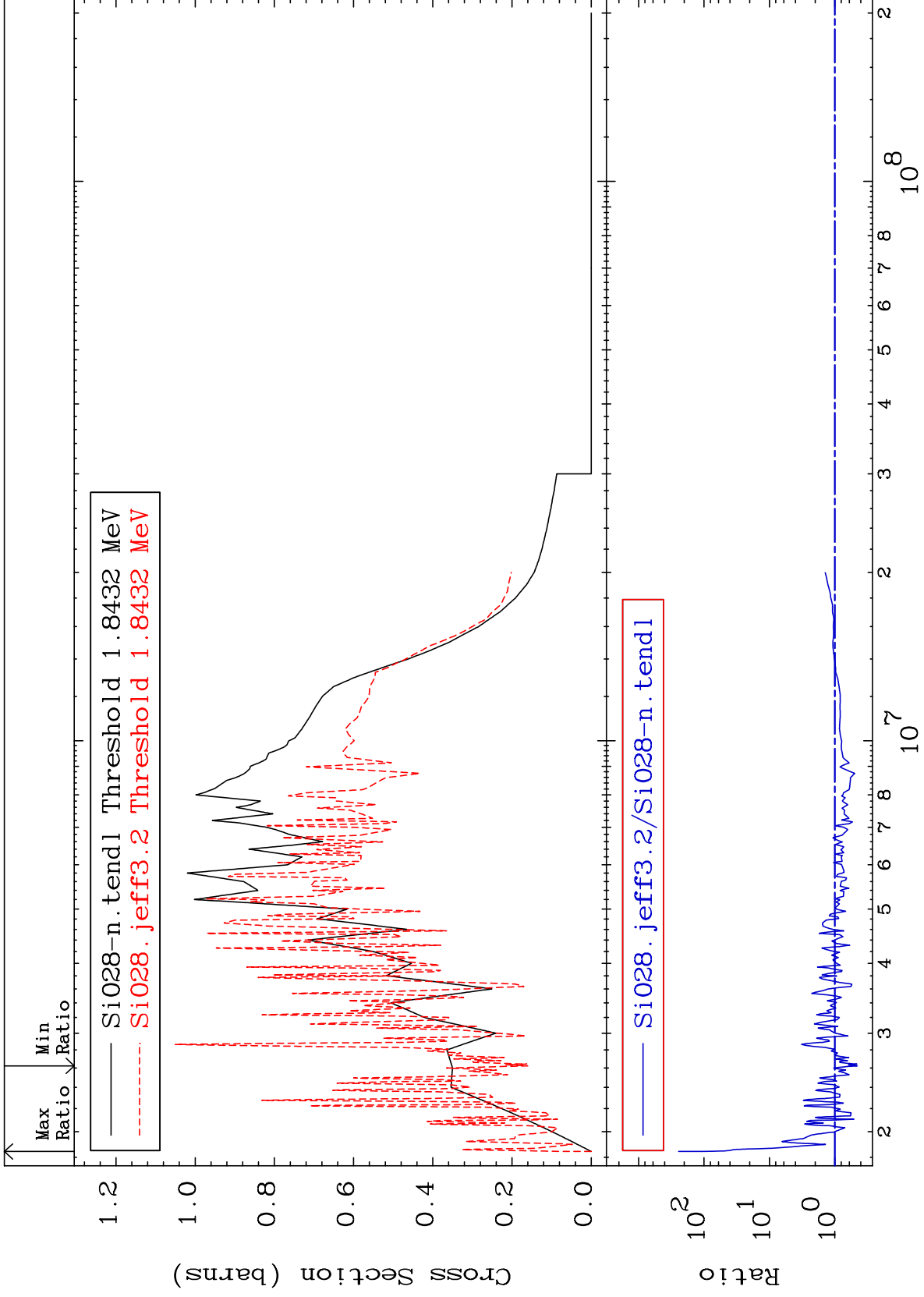
Incident Energy (eV)

14-Si-28

MAT 1425

Inelastic
Cross Section

14-Si-28
-54.58 To 9999. %



3

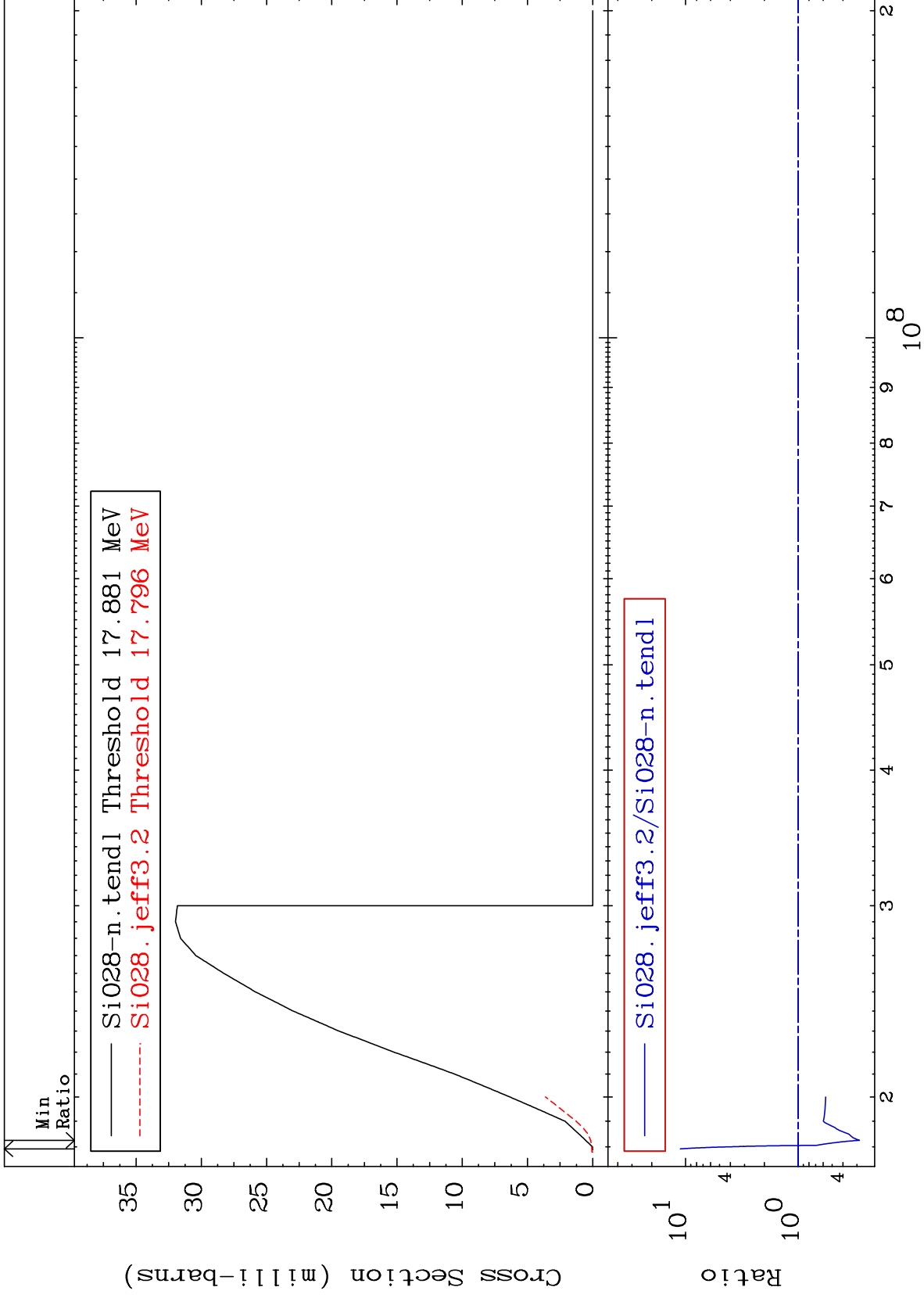
Incident Energy (eV)

14-Si-28

MAT 1425

(n,2n)
Cross Section

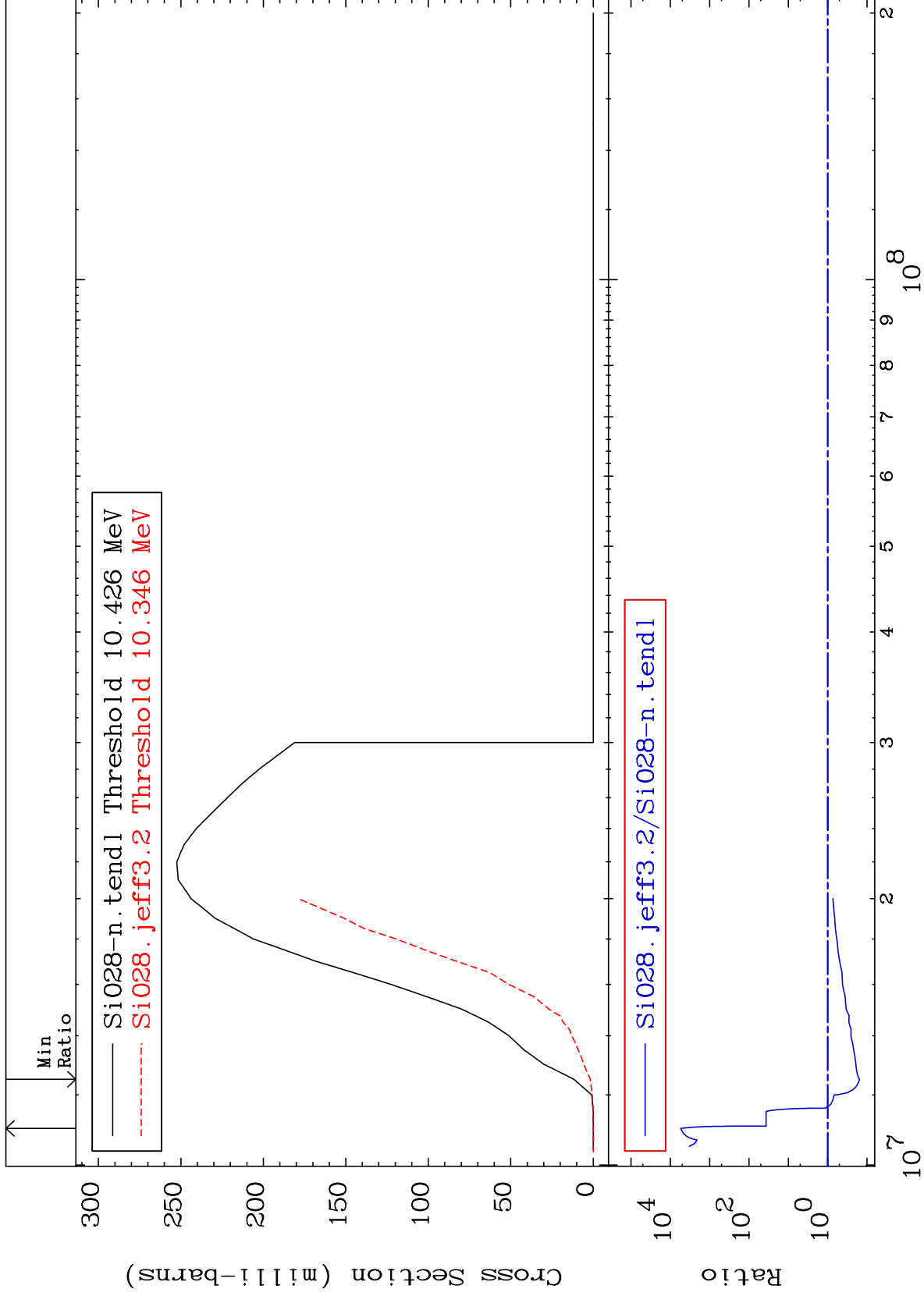
14-Si-28
-71.45 To 1013. %



MAT 1425

(n, n') α
Cross Section

$^{14}\text{Si-28}$
-84.58 To 9999. %



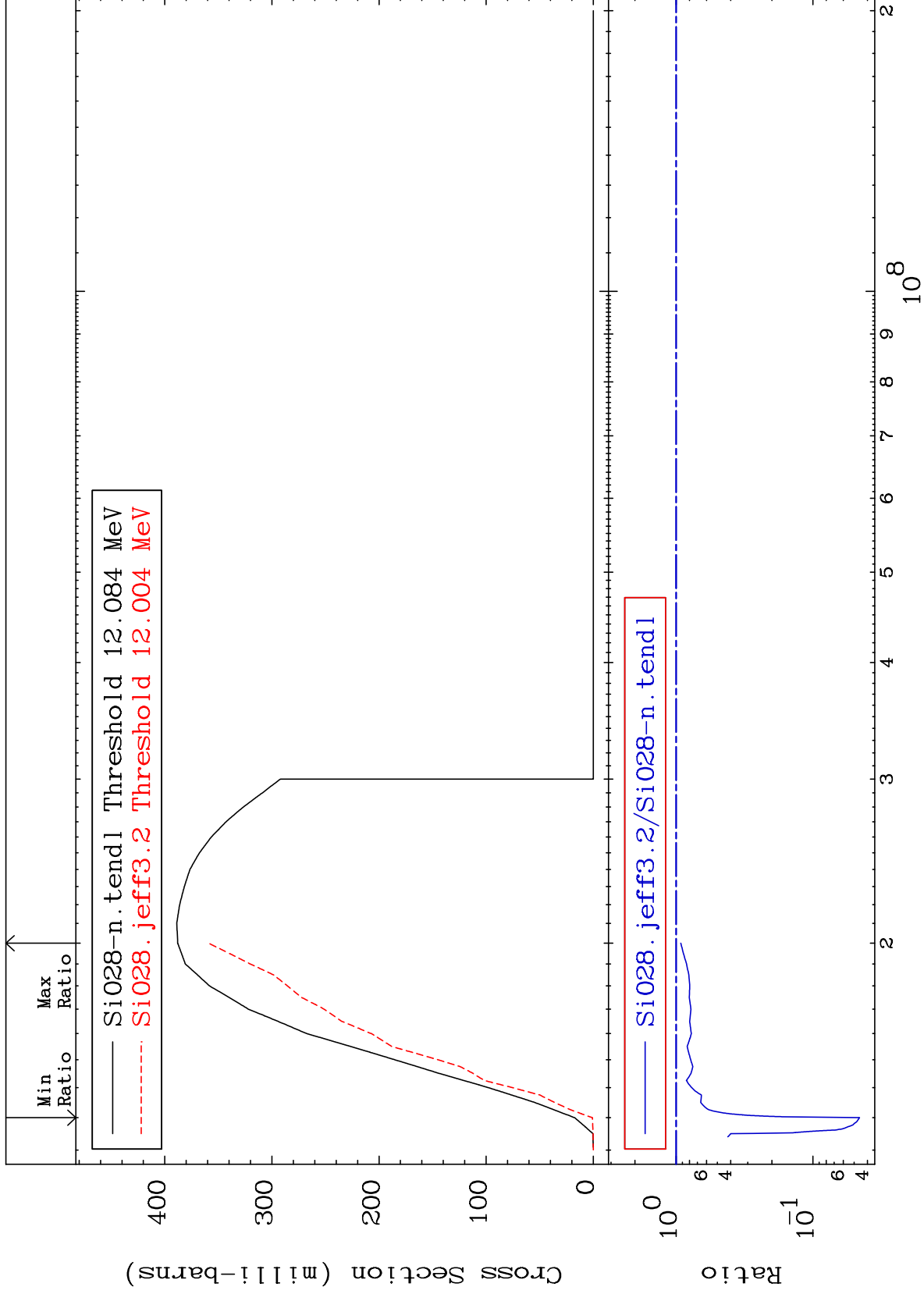
Incident Energy (eV)

$^{14}\text{Si-28}$

MAT 1425

(n,n') p
Cross Section

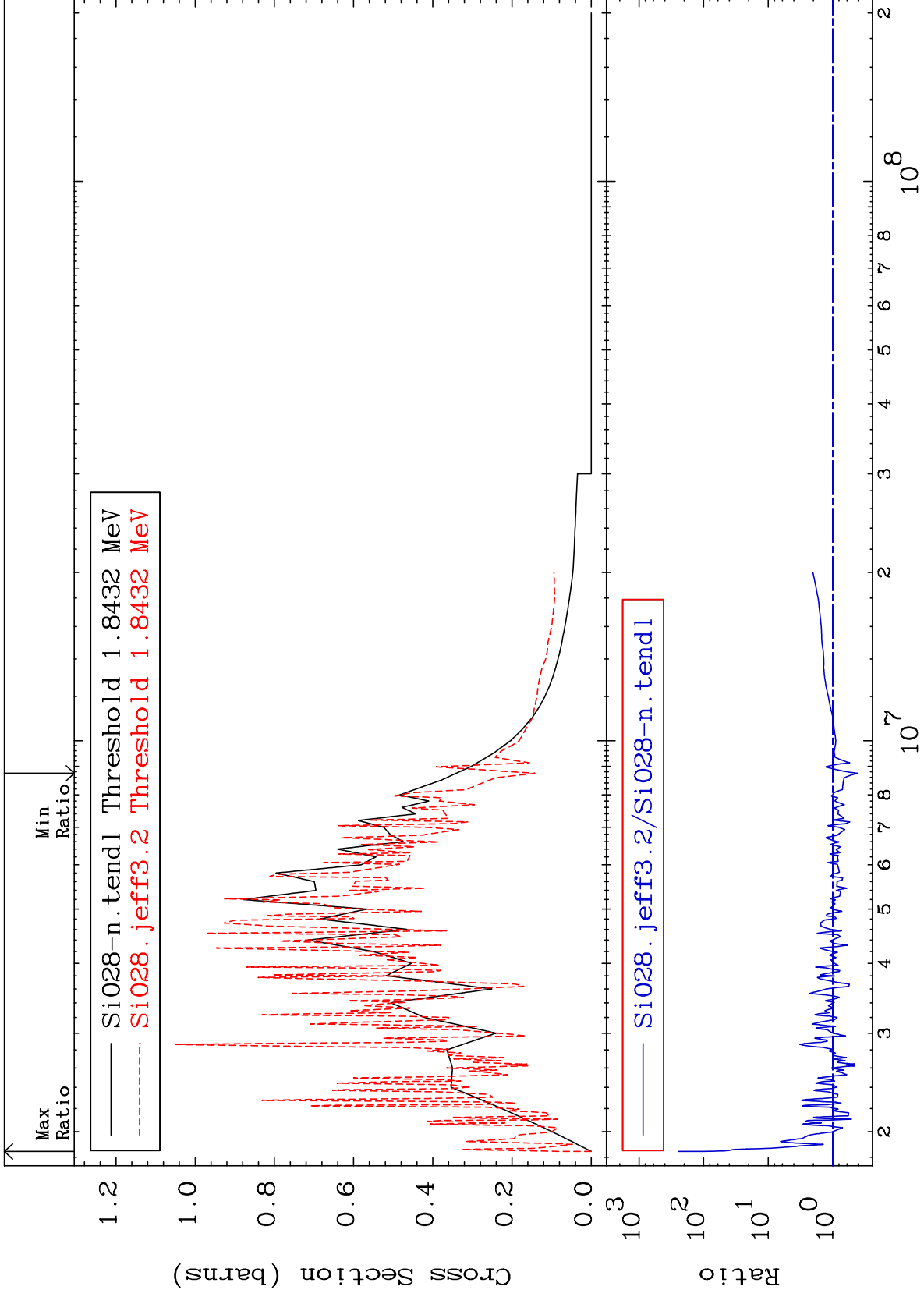
¹⁴Si-28
-95.43 To -7.437%



MAT 1425

1.779 MeV (n,n') Level
Cross Section

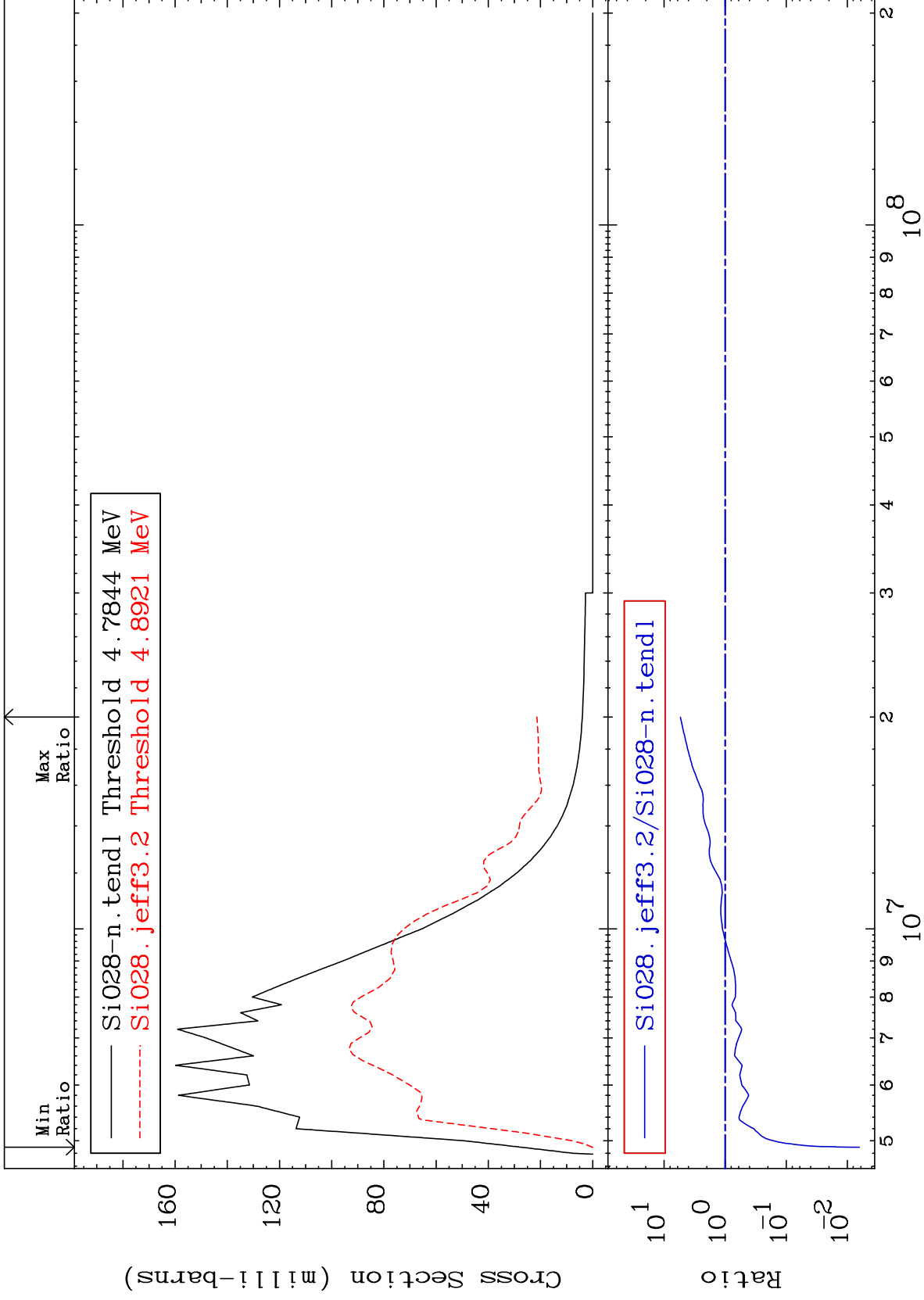
14-Si-28
-58.38 To 9999. %



MAT 1425

4.618 MeV (n,n') Level
Cross Section

14-Si-28
-99.37 To 441.8 %



8

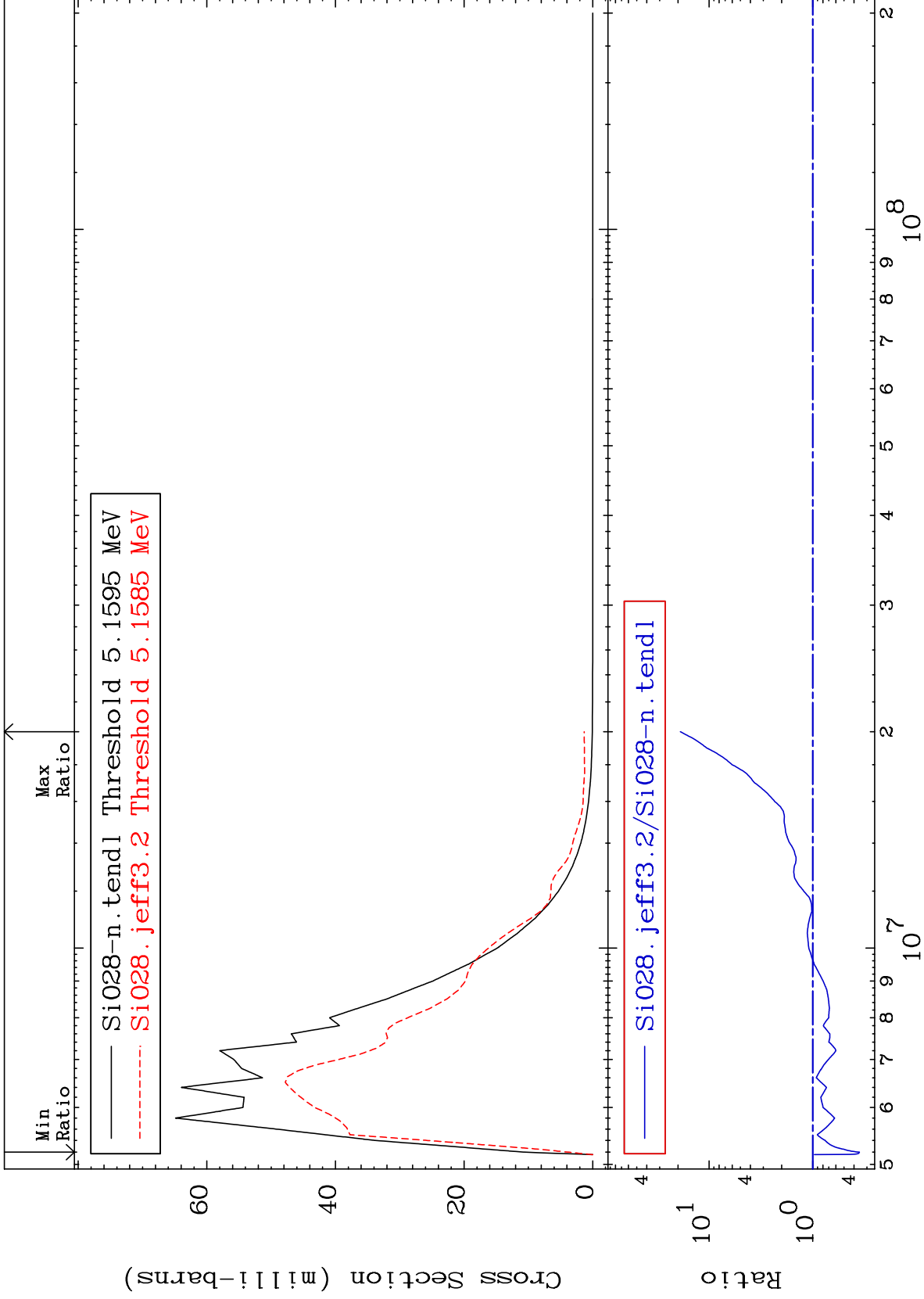
14-Si-28

14-Si-28

MAT 1425

4.980 MeV (n,n') Level
Cross Section

14-Si-28
-64.50 To 1795. %



9

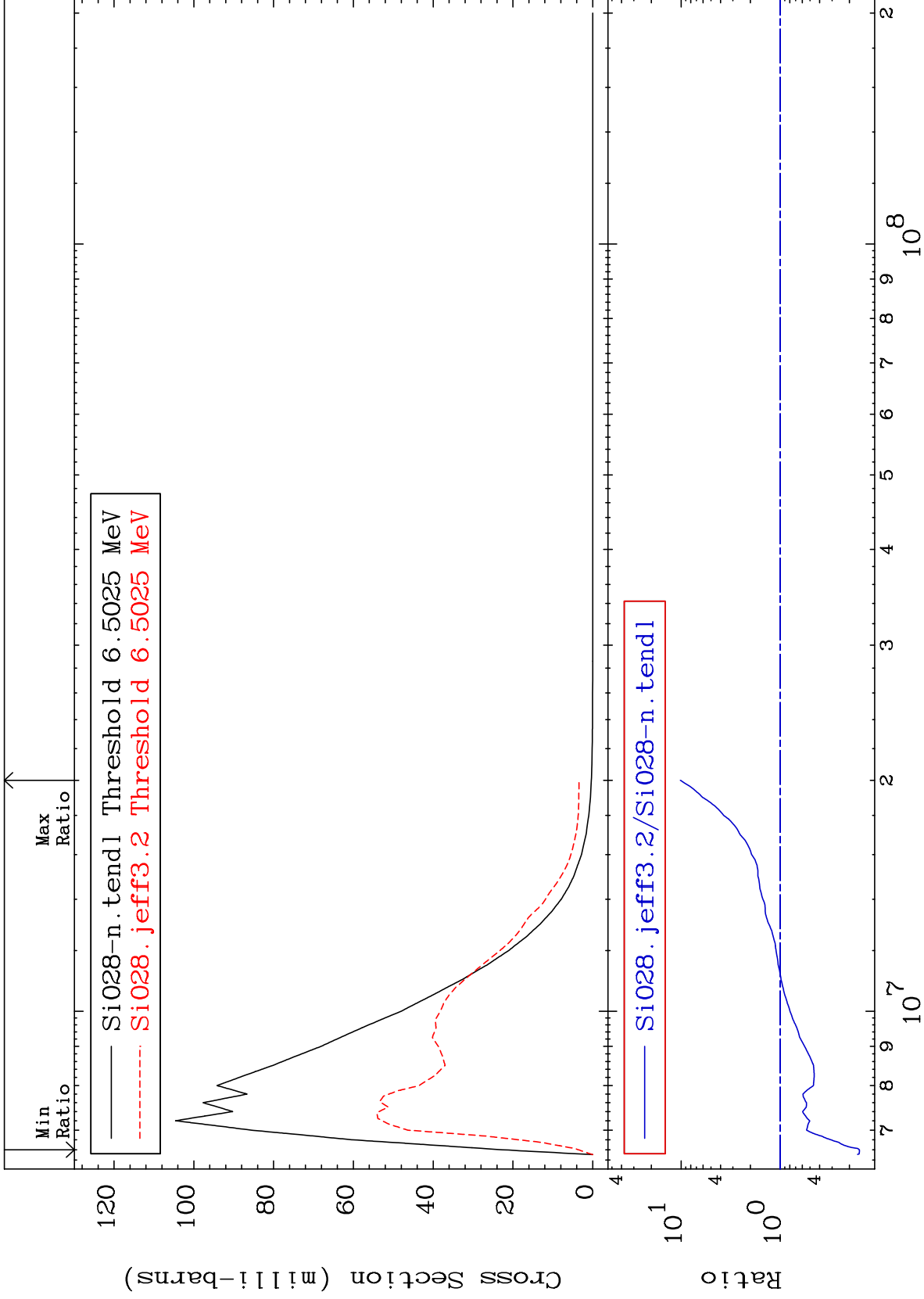
Incident Energy (eV)

14-Si-28

MAT 1425

6.276 MeV (n,n') Level
Cross Section

14-Si-28
-84.12 To 917.5 %



10

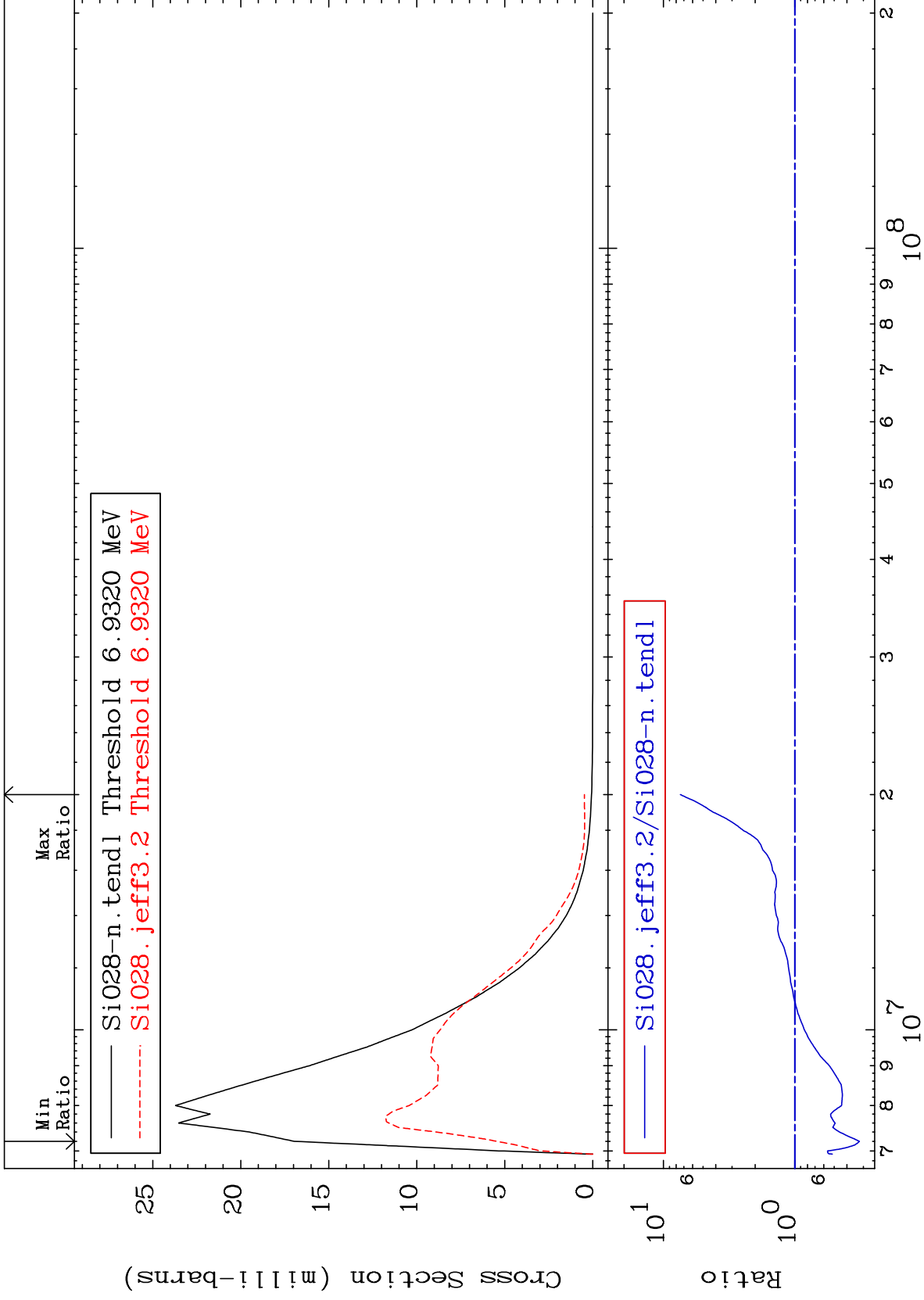
Incident Energy (eV)

14-Si-28

MAT 1425

6.691 MeV (n,n') Level
Cross Section

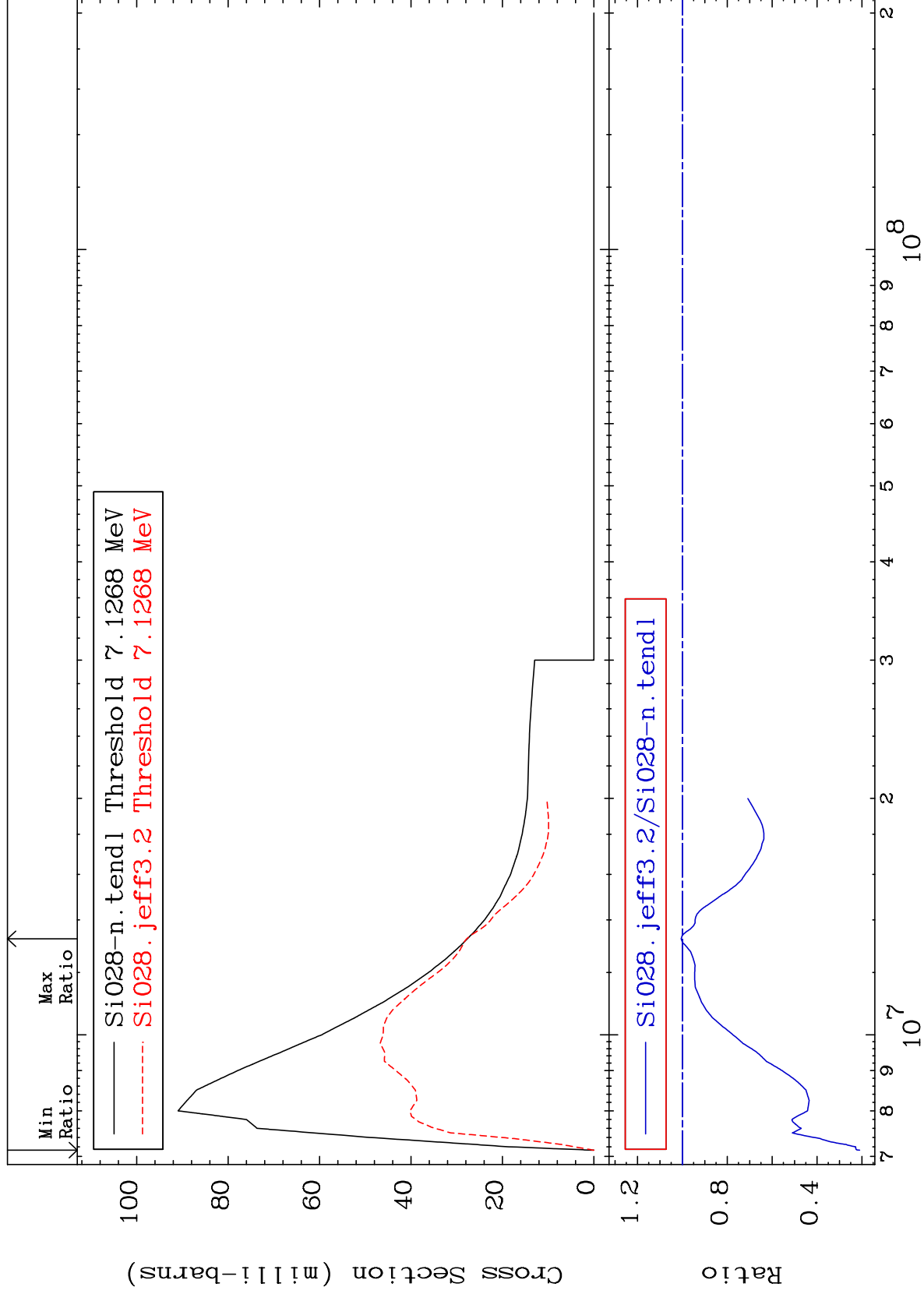
14-Si-28
-67.87 To 643.3 %



MAT 1425

6.879 MeV (n,n') Level
Cross Section

14-Si-28
-79.00 To 0.531 %



12

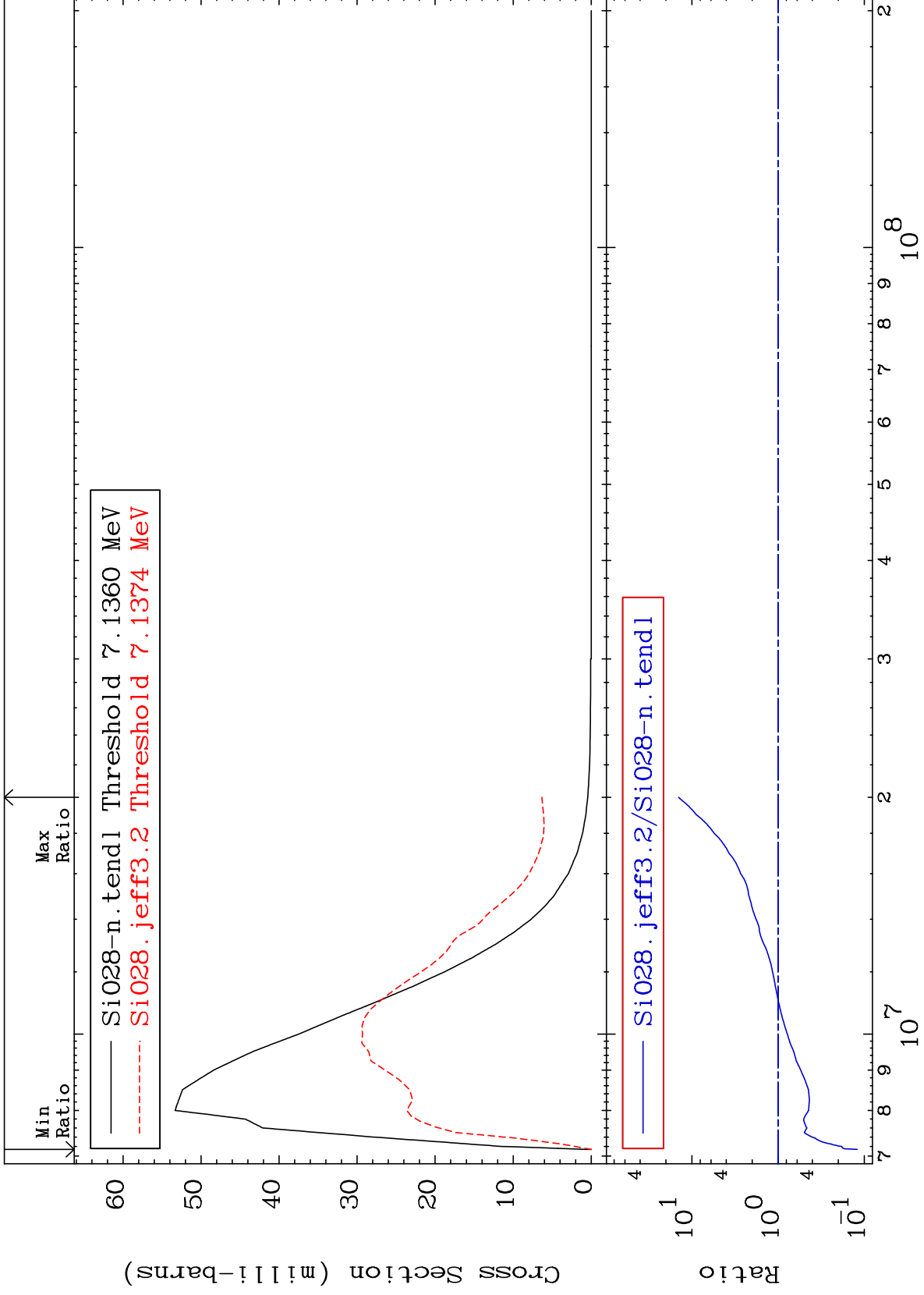
Incident Energy (eV)

14-Si-28

MAT 1425

6.888 MeV (n,n') Level
Cross Section

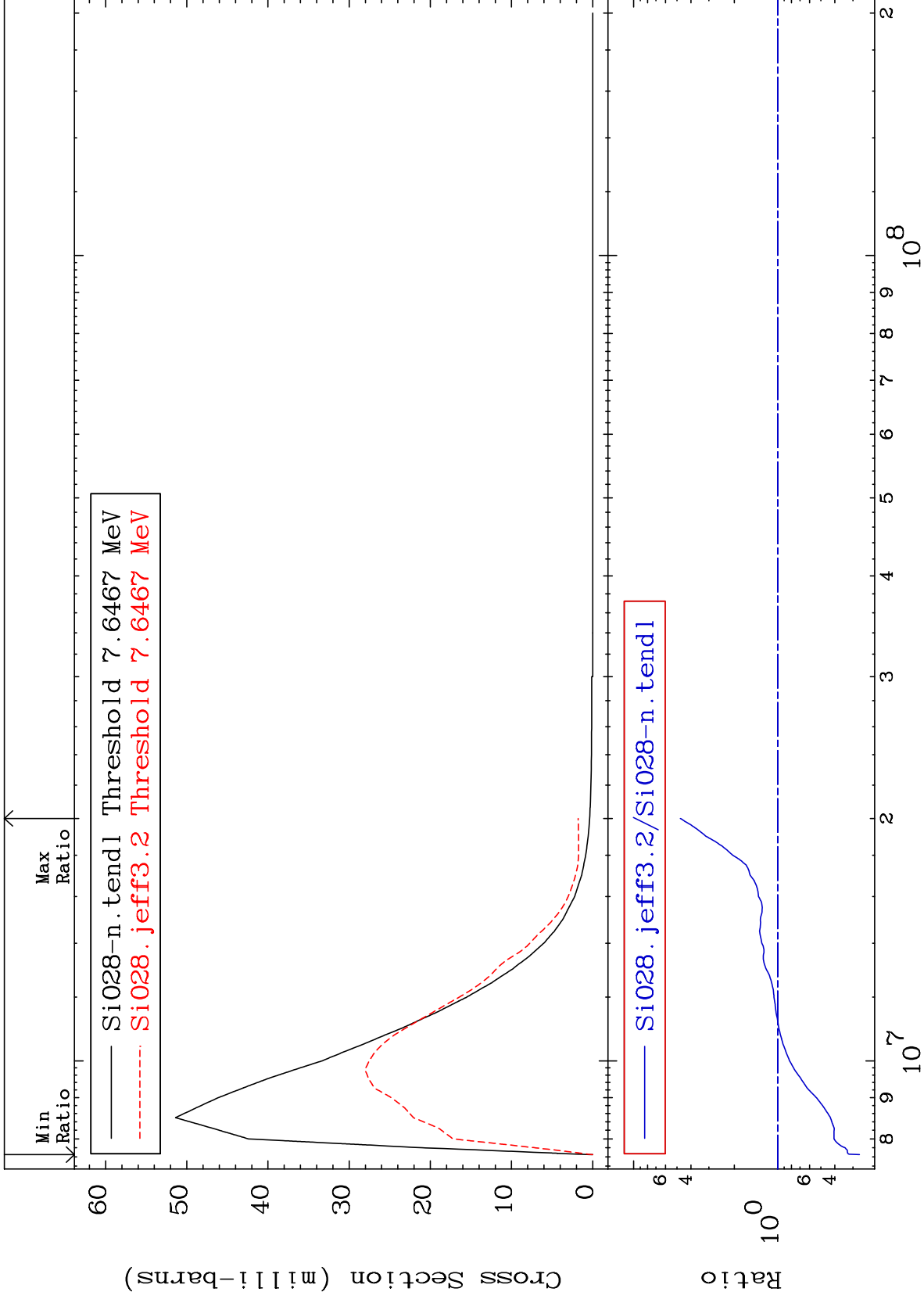
14-Si-28
-87.95 To 1325. %



MAT 1425

7.381 MeV (n,n') Level
Cross Section

14-Si-28
-72.98 To 373.6 %



14

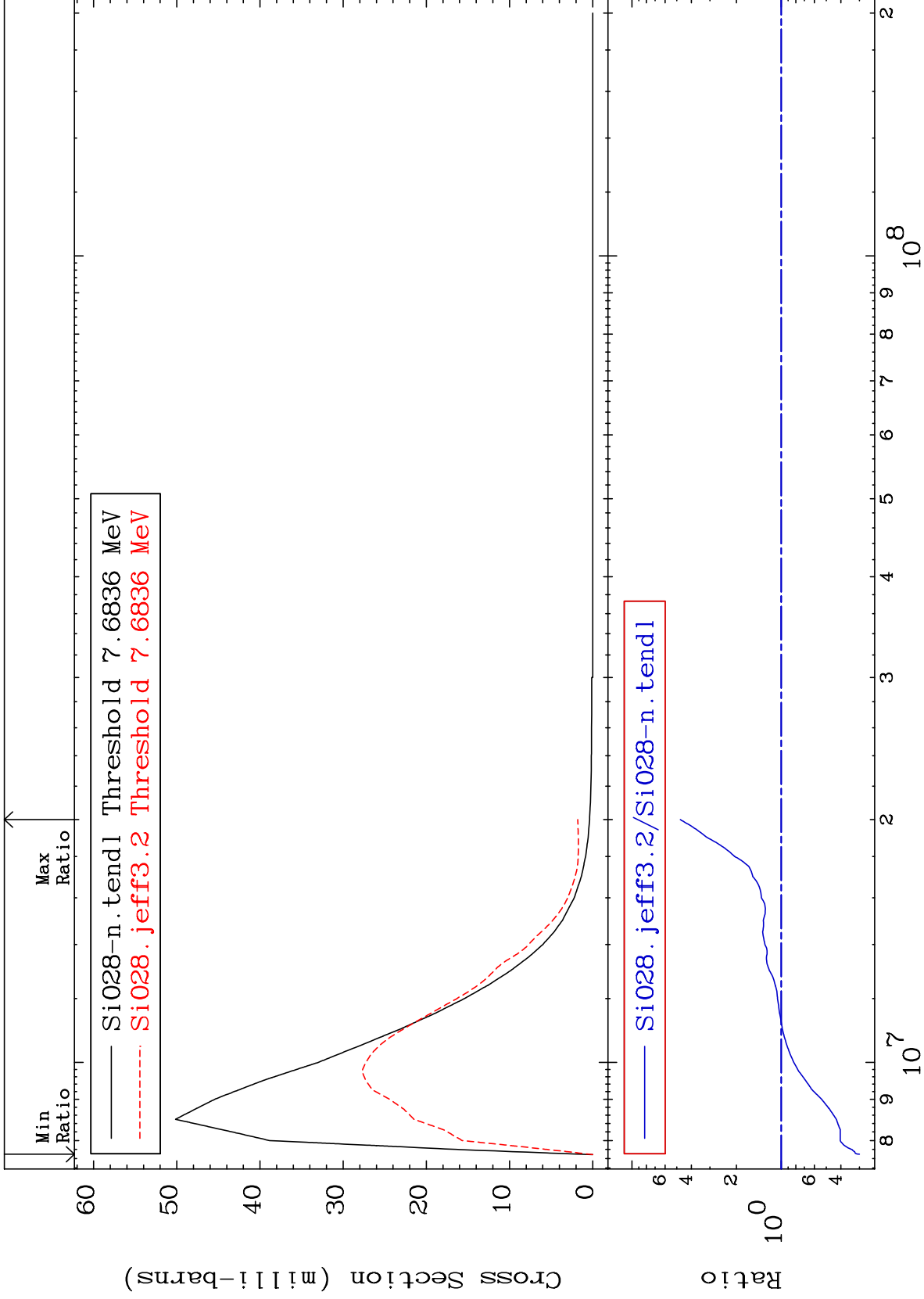
14-Si-28

14-Si-28

MAT 1425

7.416 MeV (n,n') Level
Cross Section

14-Si-28
-69.99 To 373.8 %



15

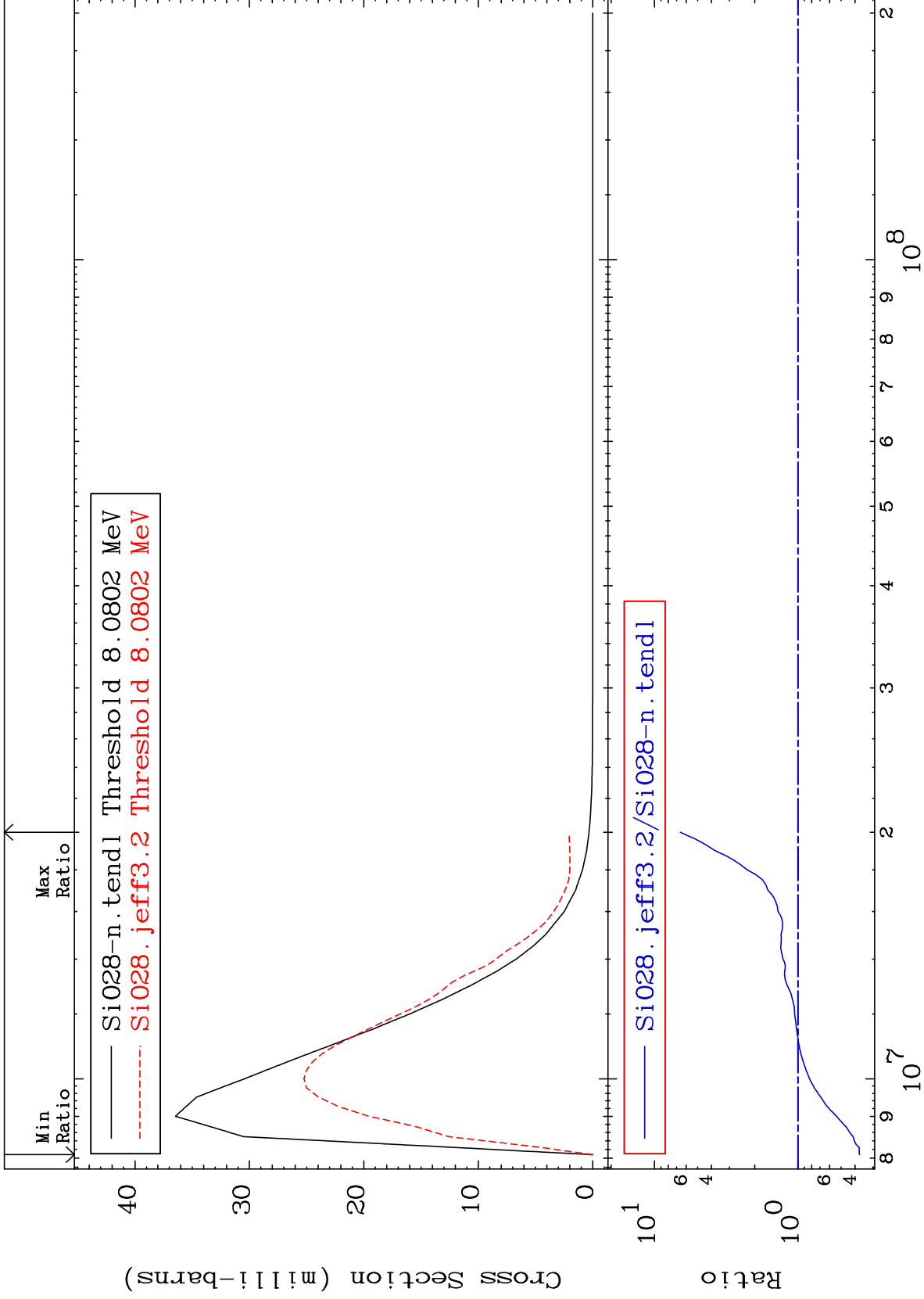
14-Si-28

14-Si-28

MAT 1425

7.799 MeV (n,n') Level
Cross Section

14-Si-28
-62.77 To 558.9 %



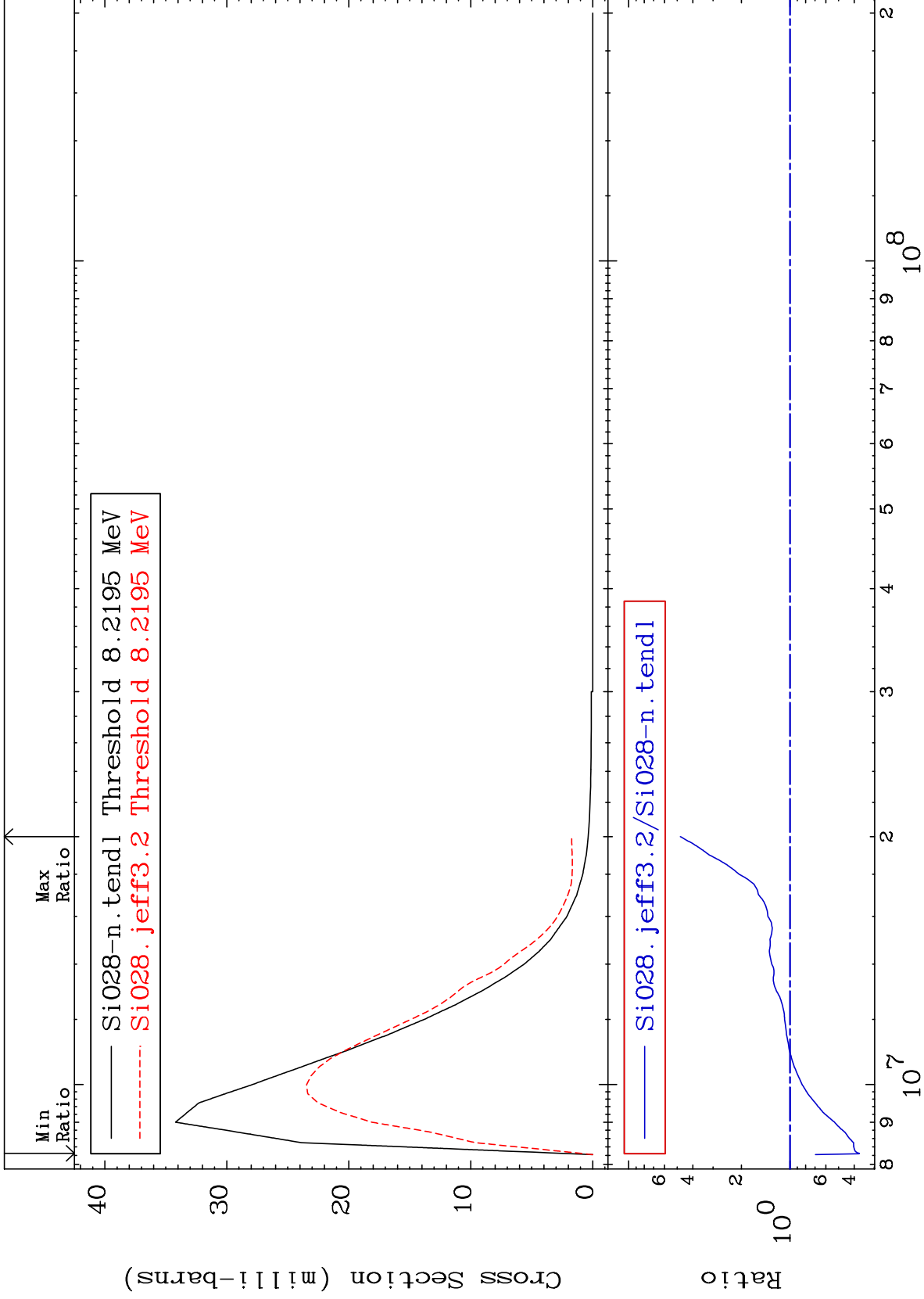
16

14-Si-28

MAT 1425

7.933 MeV (n,n') Level
Cross Section

14-Si-28
-62.89 To 377.9 %



17

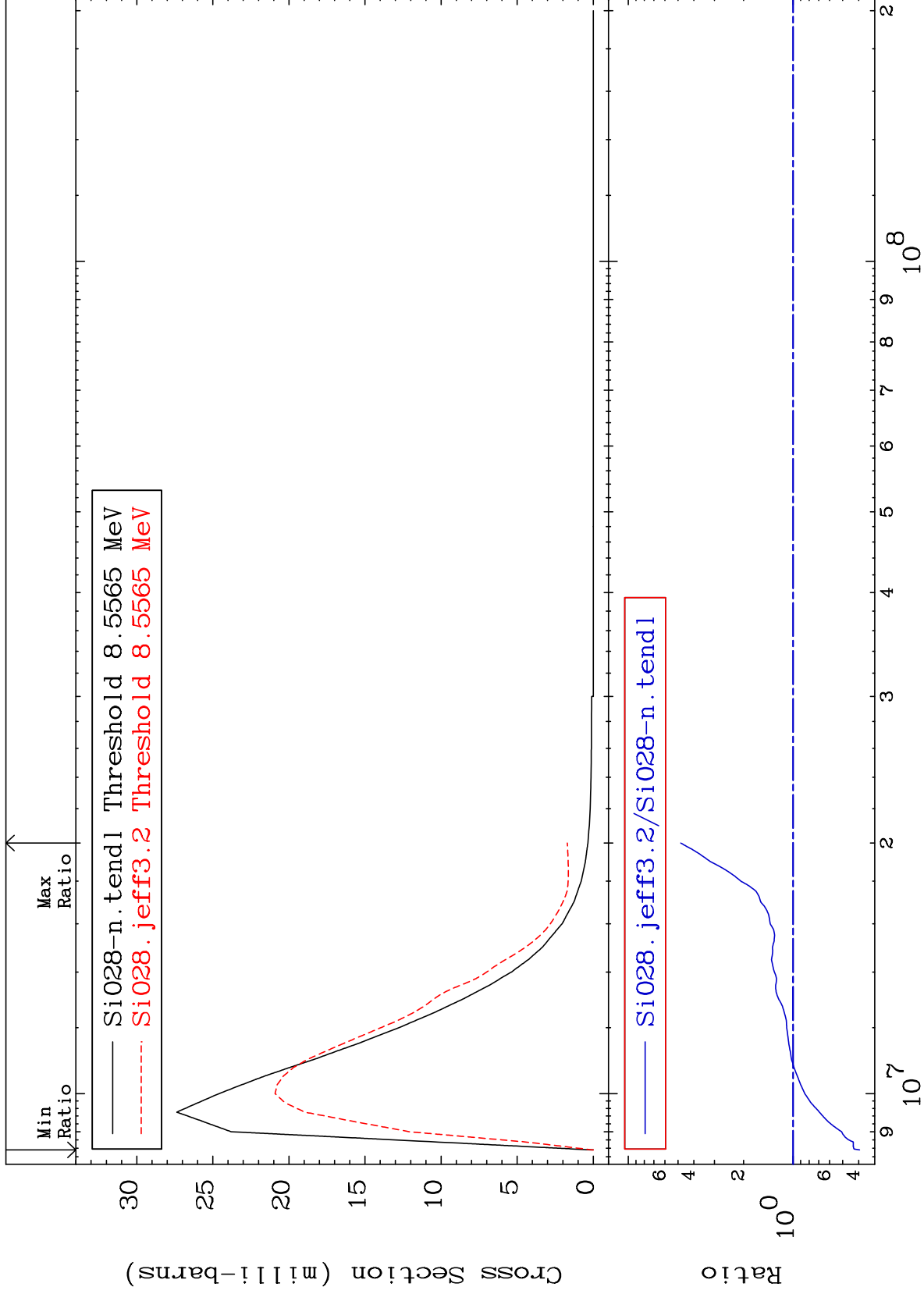
Incident Energy (eV)

14-Si-28

MAT 1425

8.259 MeV (n,n') Level
Cross Section

14-Si-28
-60.48 To 380.7 %



18

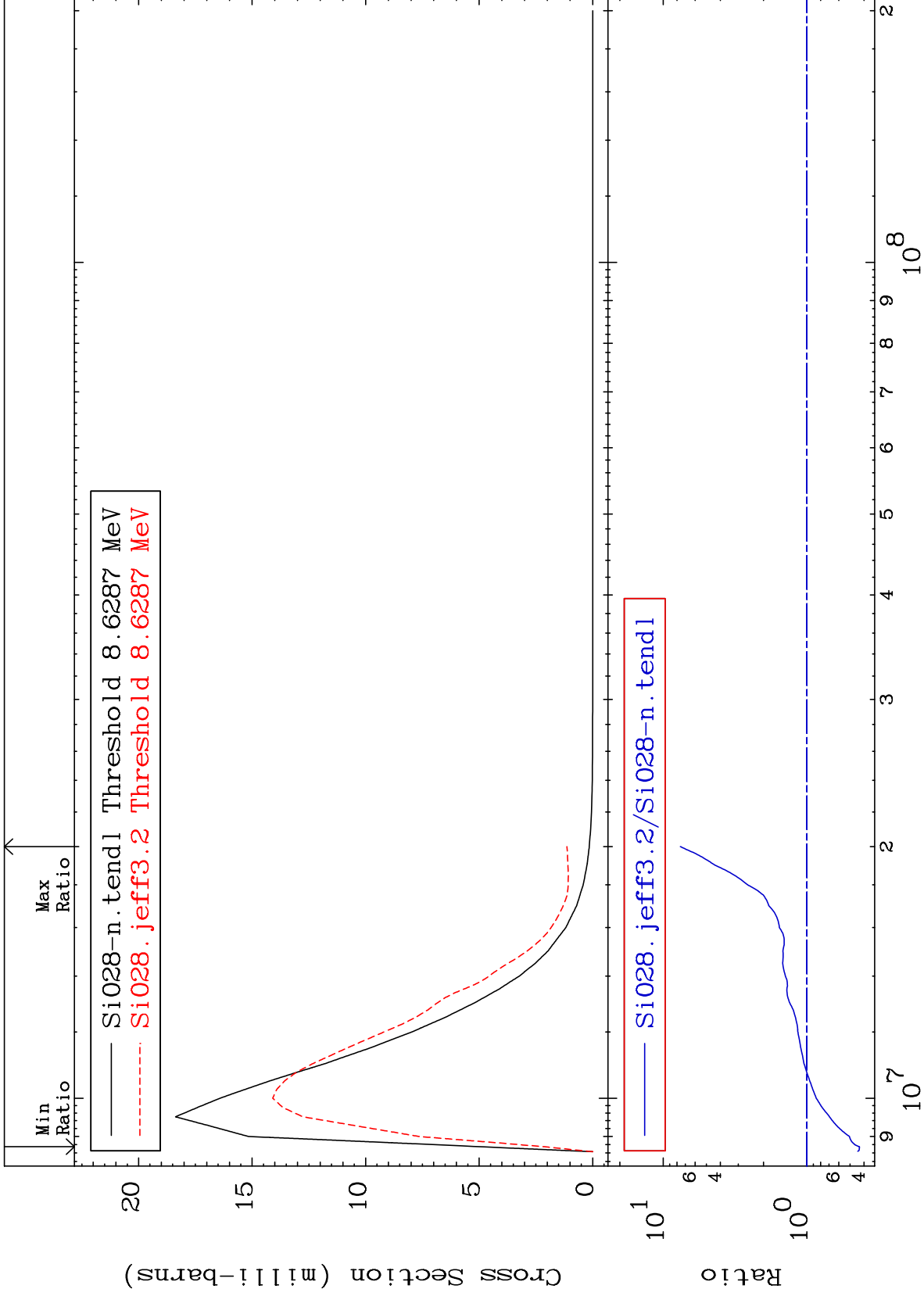
Incident Energy (eV)

14-Si-28

MAT 1425

8.328 MeV (n,n') Level
Cross Section

14-Si-28
-56.97 To 658.9 %



19

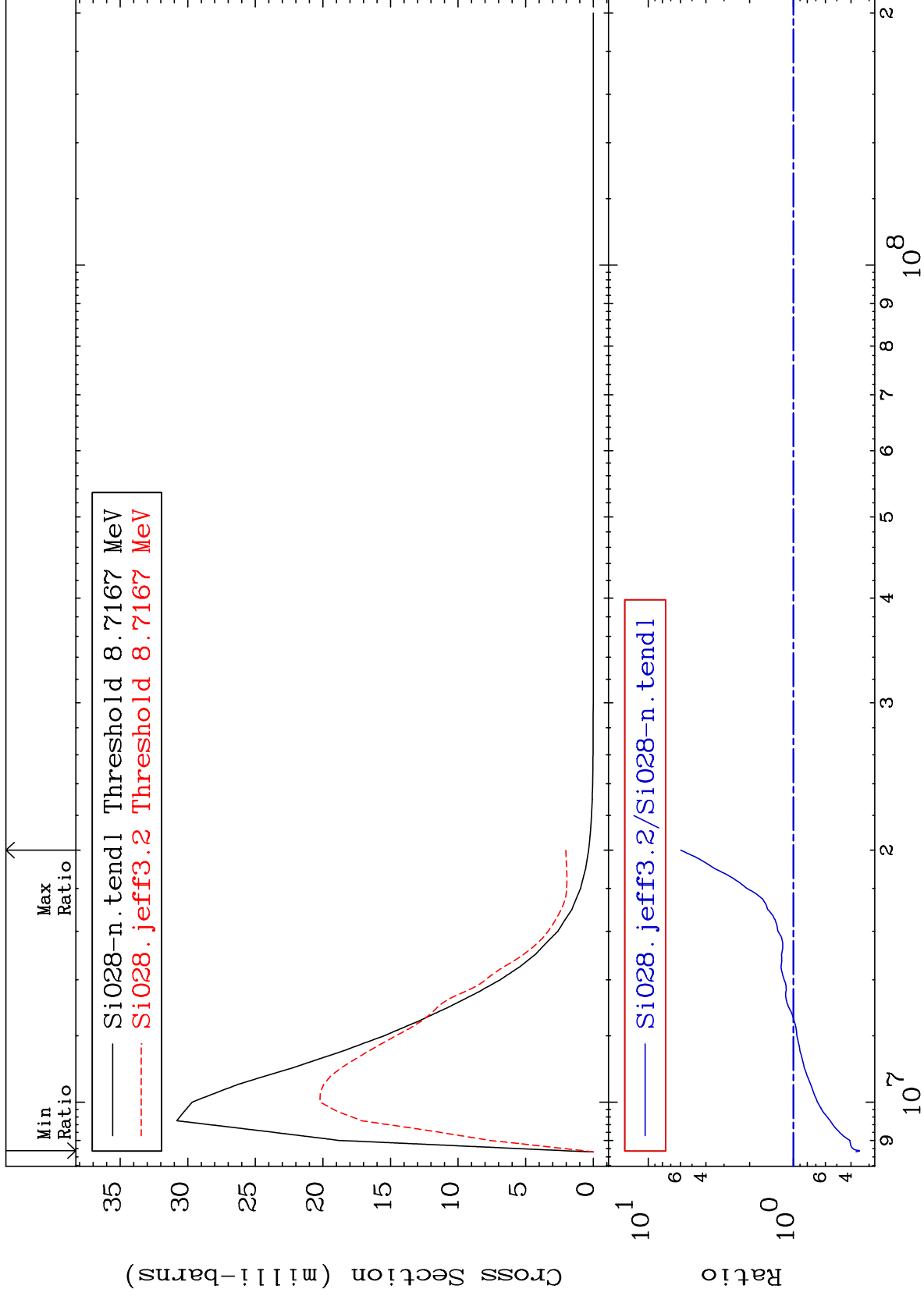
14-Si-28

14-Si-28

MAT 1425

8.413 MeV (n,n') Level
Cross Section

14-Si-28
-65.09 To 496.9 %



20

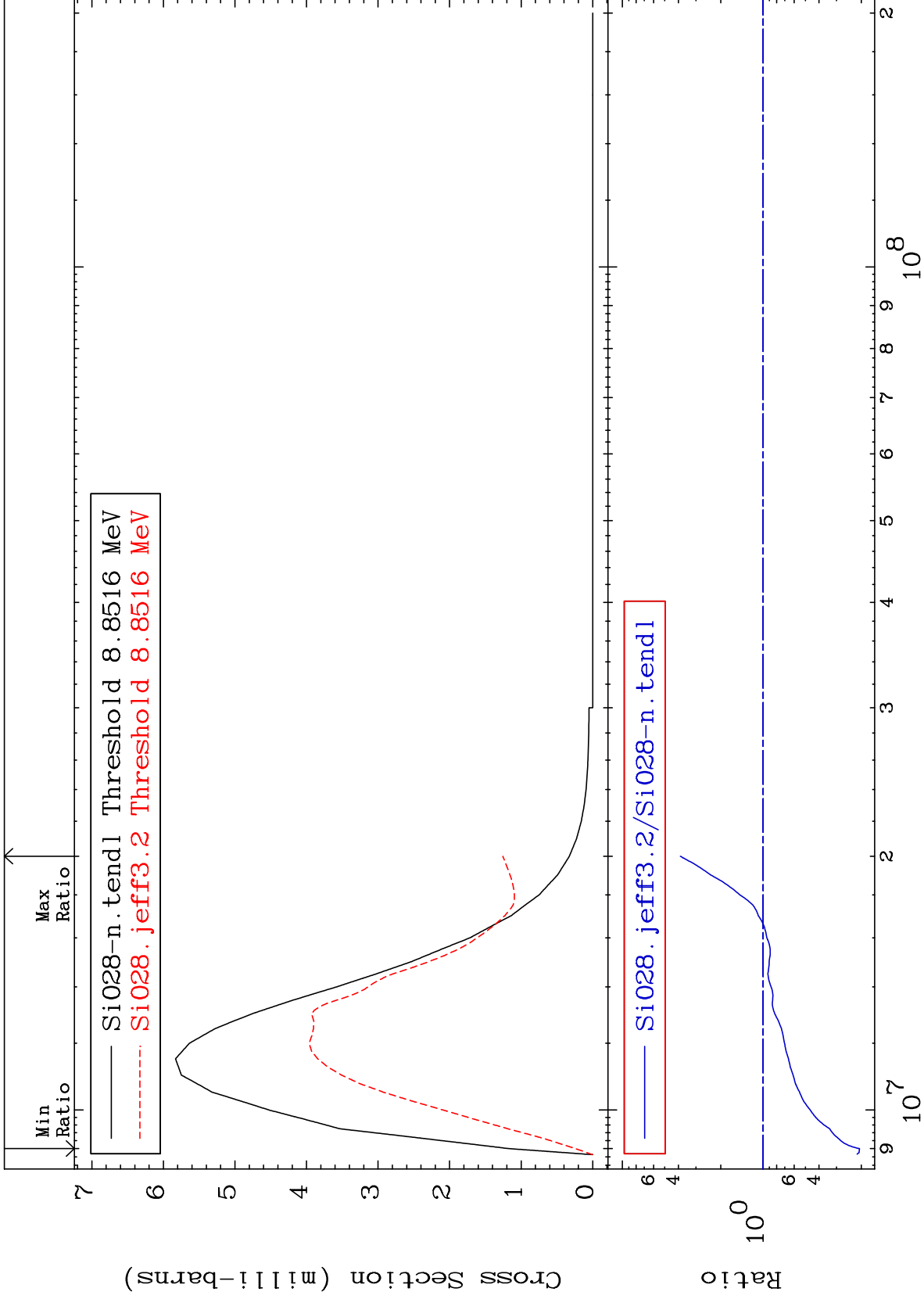
Incident Energy (eV)

14-Si-28

MAT 1425

8.544 MeV (n,n') Level
Cross Section

14-Si-28
-79.38 To 287.0 %



21

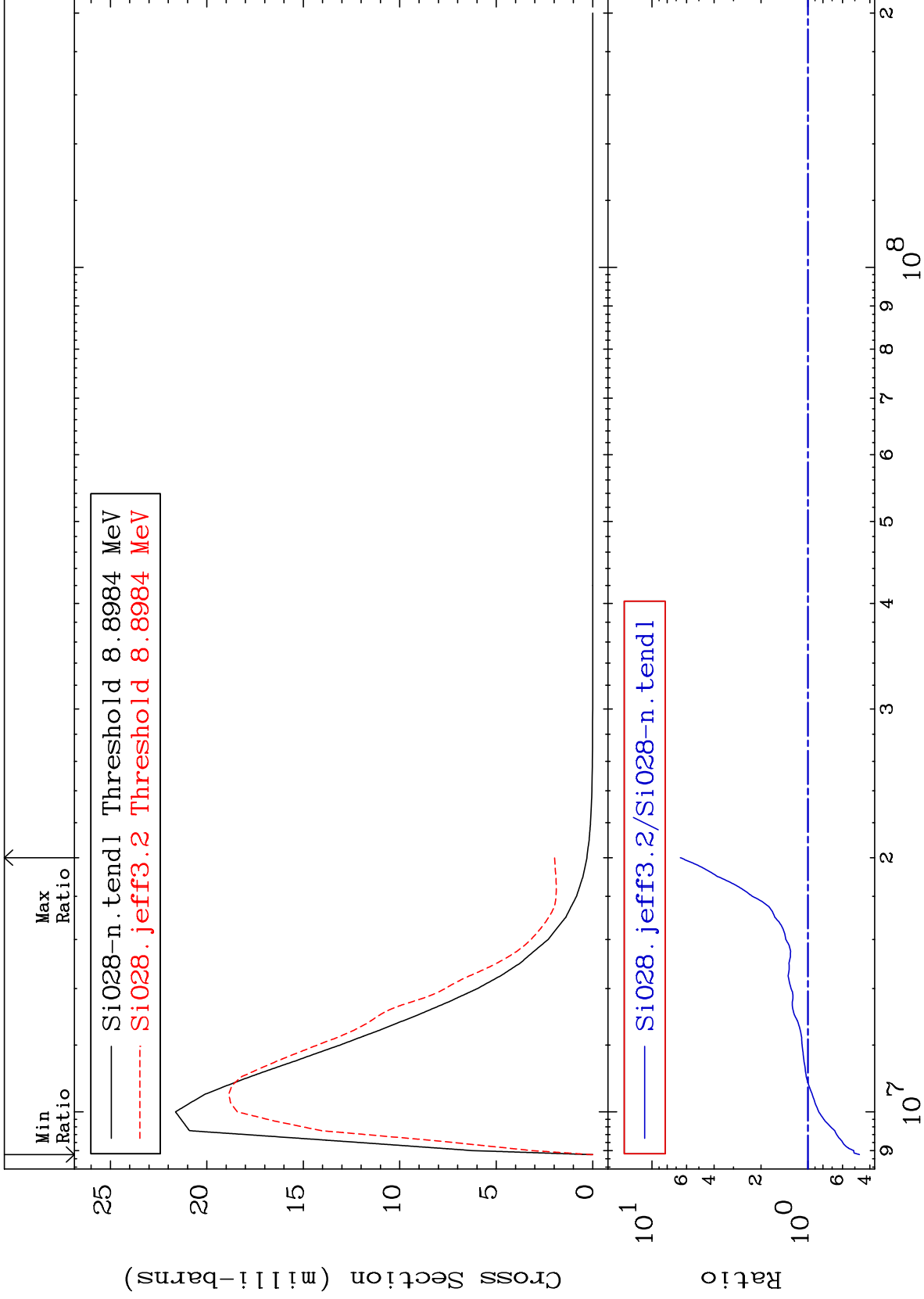
14-Si-28

14-Si-28

MAT 1425

8.589 MeV (n,n') Level
Cross Section

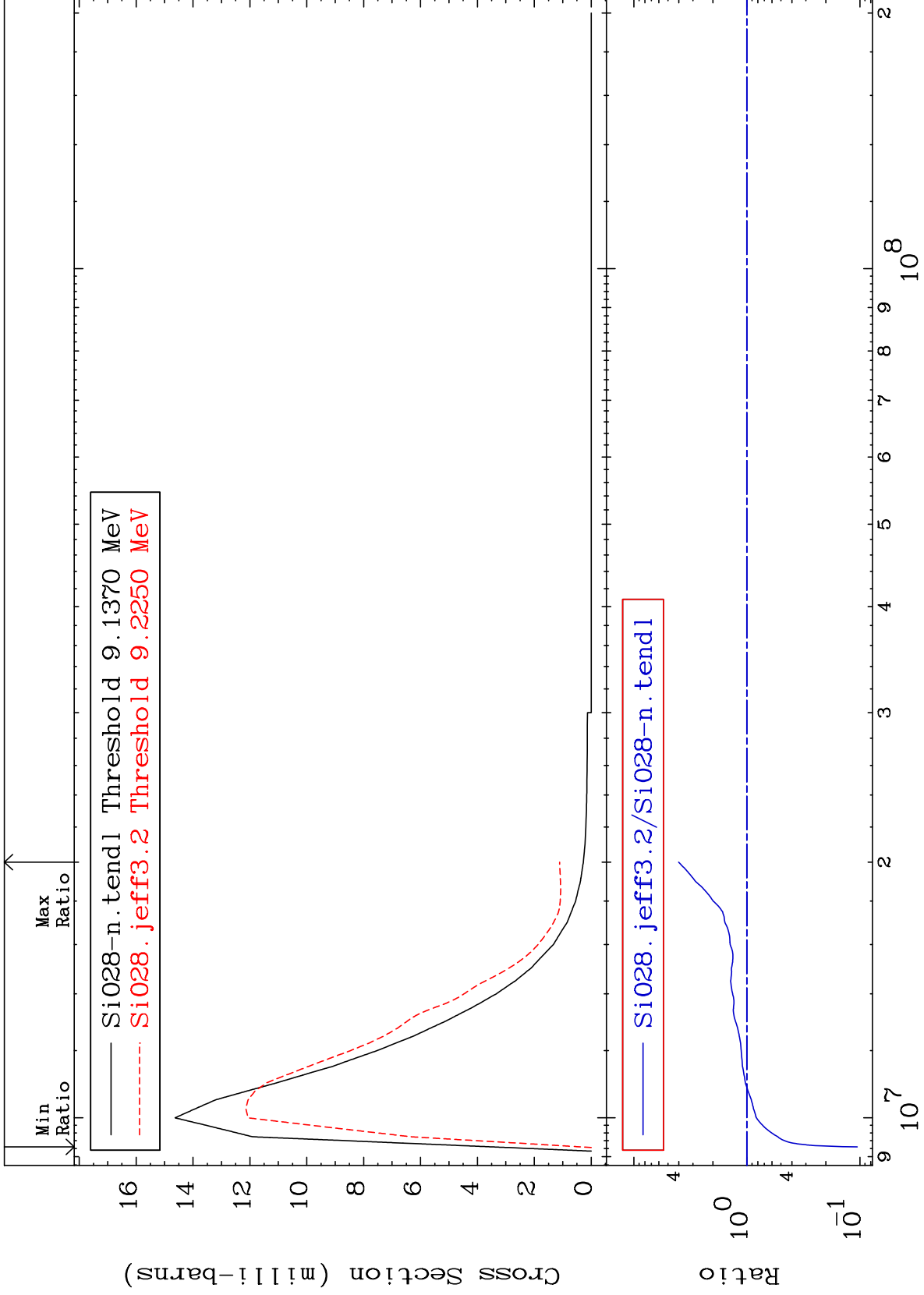
14-Si-28
-53.30 To 557.6 %



MAT 1425

8.819 MeV (n,n') Level
Cross Section

14-Si-28
-89.45 To 301.6 %



23

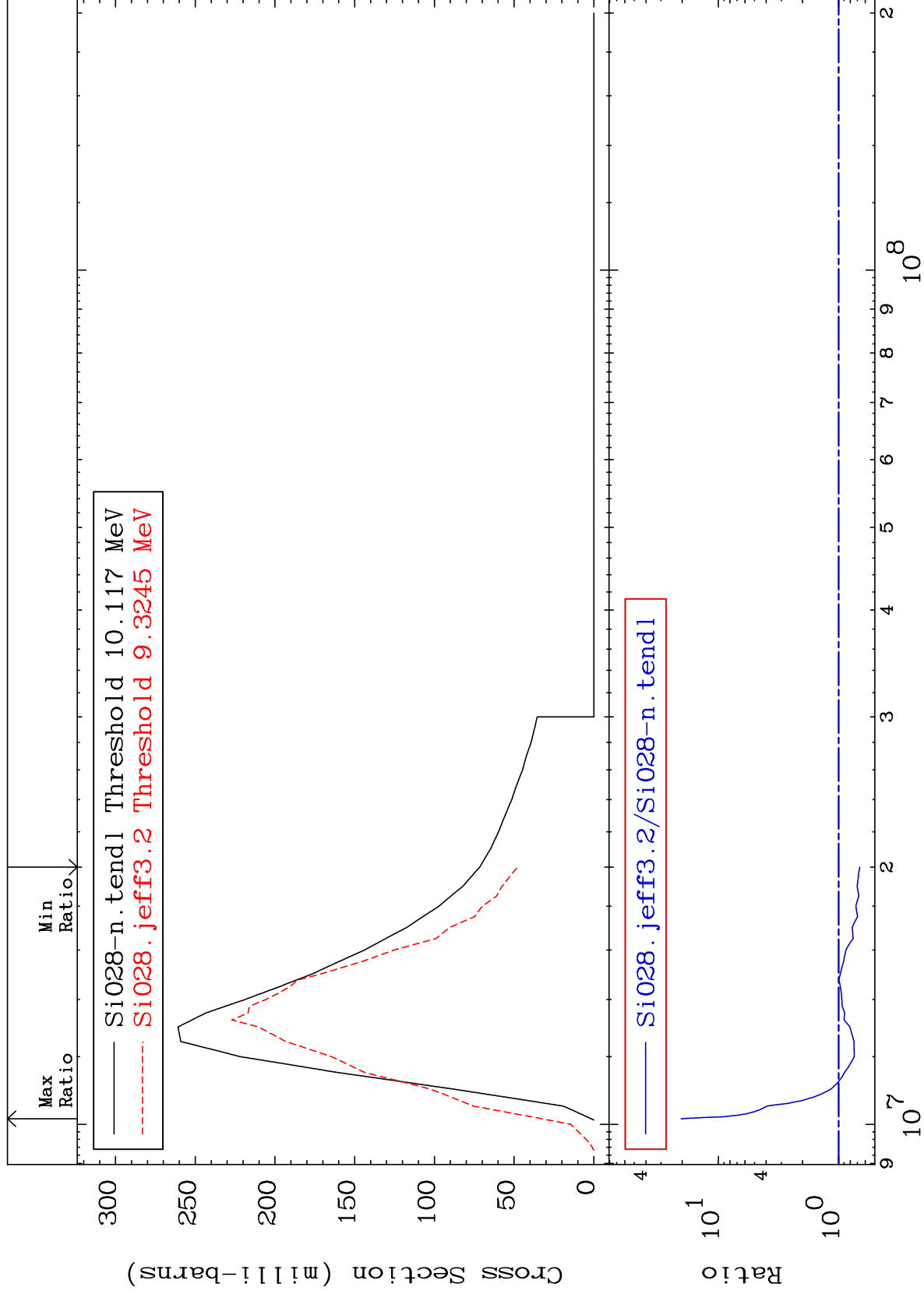
Incident Energy (eV)

14-Si-28

MAT 1425

(n, n') Continuum
Cross Section

14-Si-28
-33.10 To 1937. %



24

Incident Energy (eV)

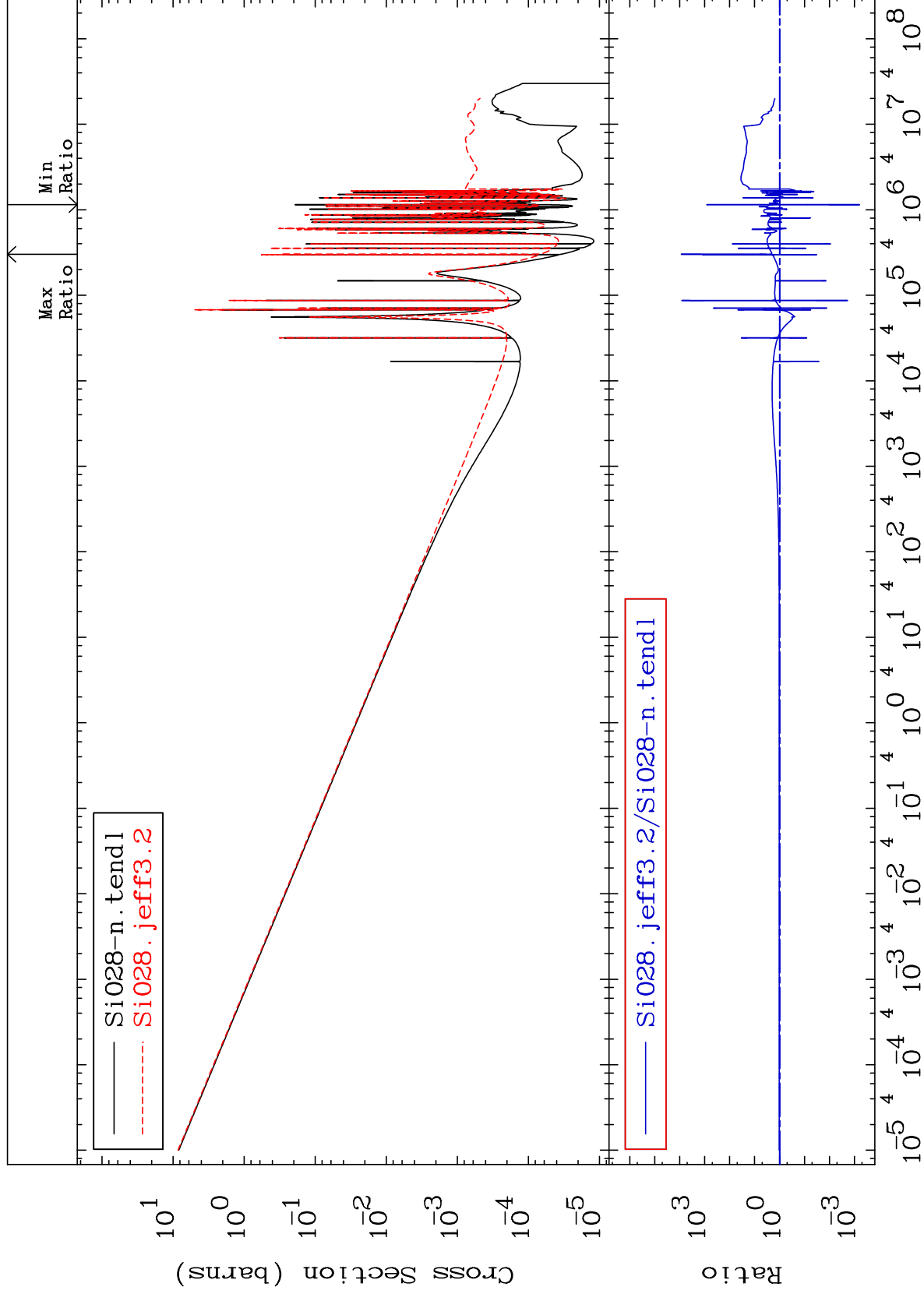
14-Si-28

MAT 1425

14-Si-28

(n, γ)
Cross Section

-99.94 To 9999. %



25

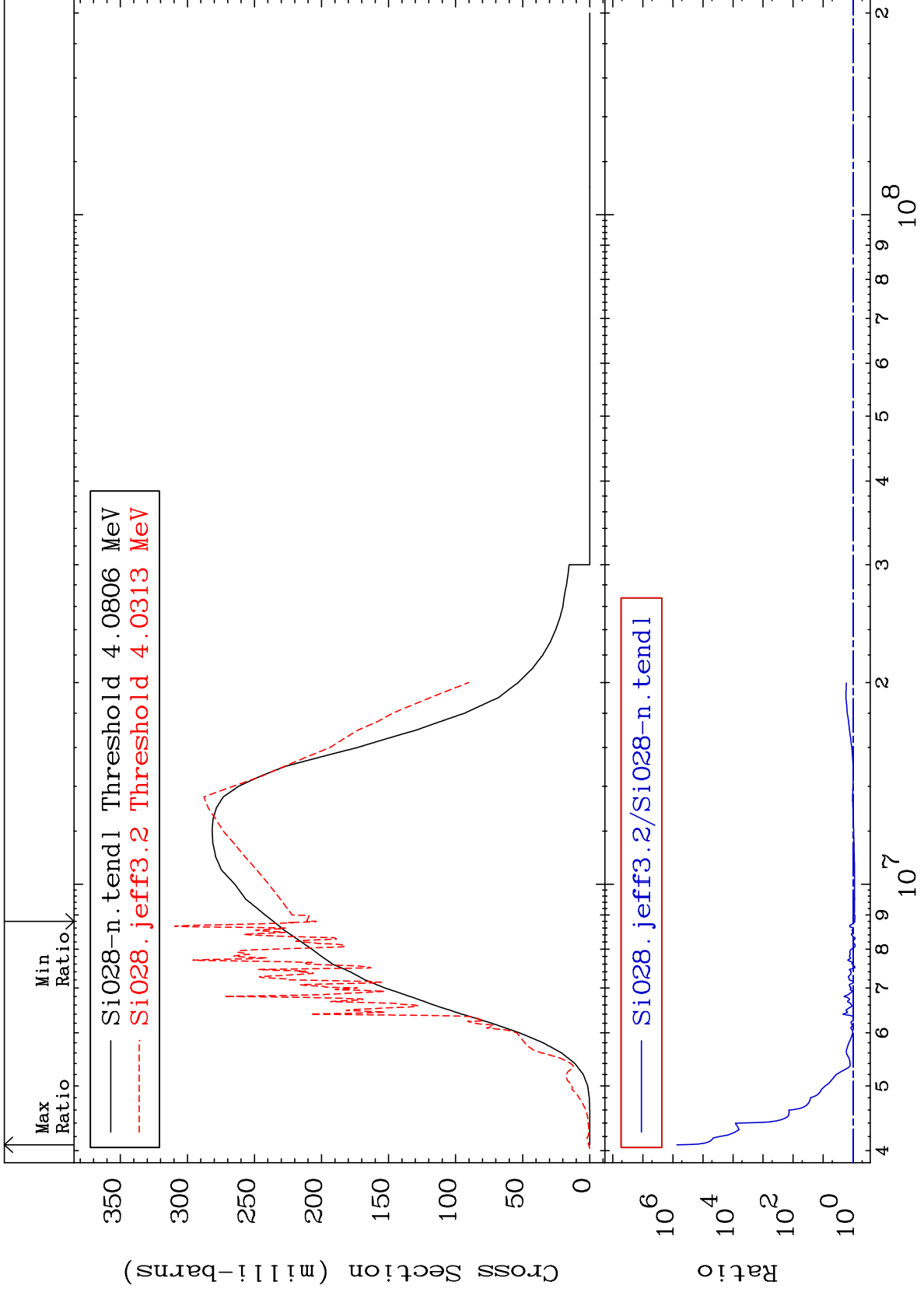
Incident Energy (eV)

14-Si-28

MAT 1425

(n,p)
Cross Section

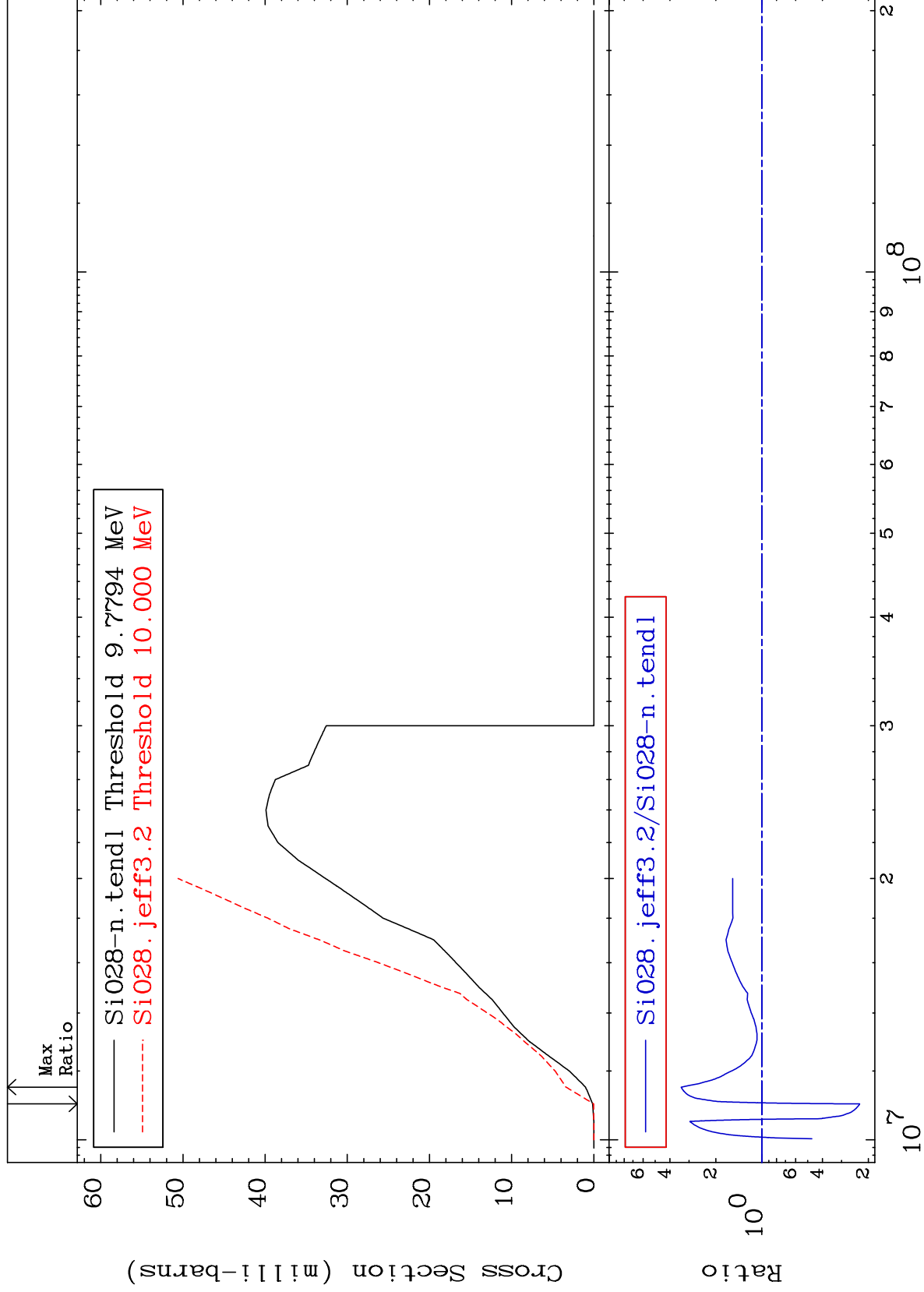
14-Si-28
-13.54 To 9999. %



MAT 1425

(n, d)
Cross Section

14-Si-28
-77.20 To 237.8 %



27

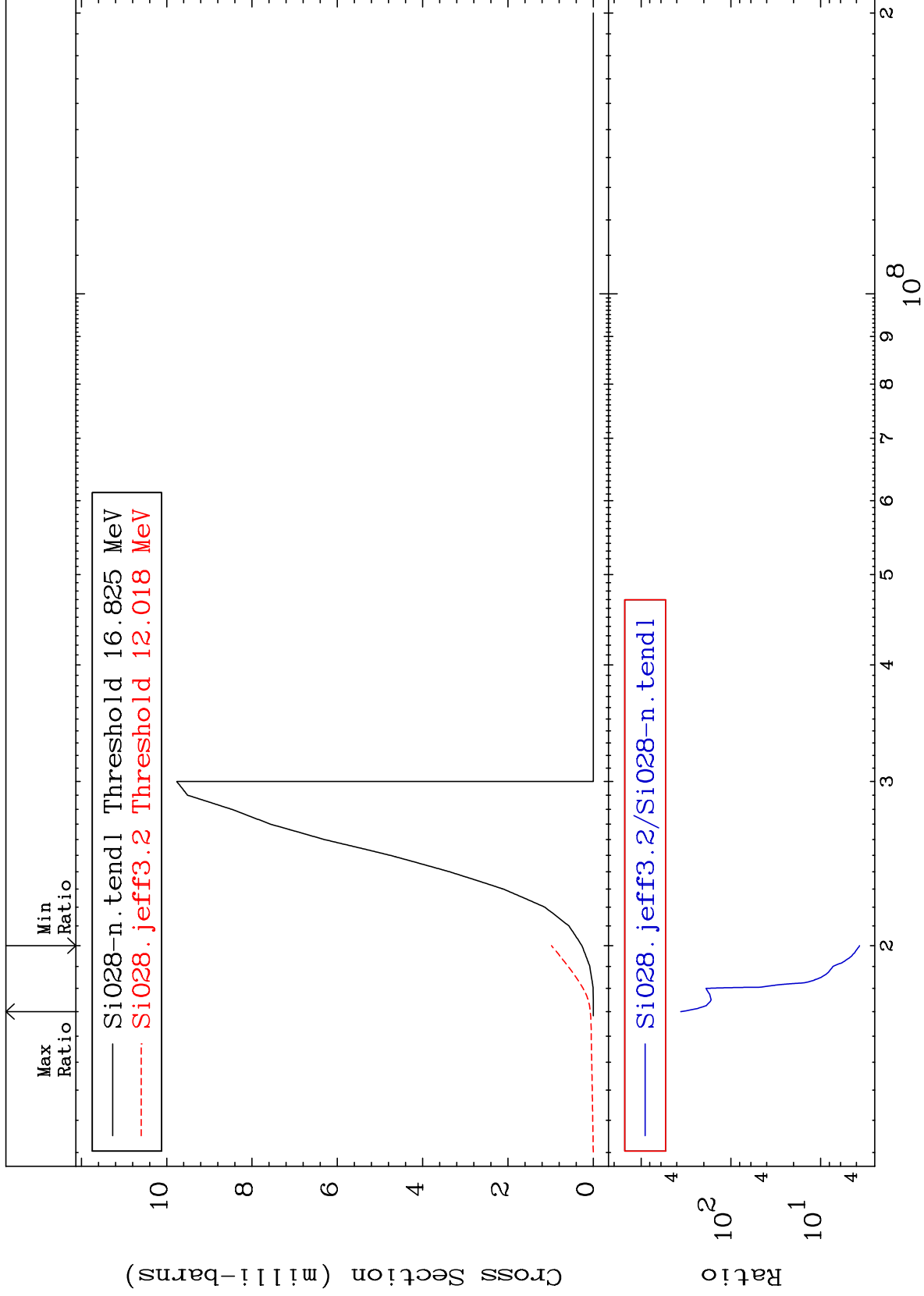
14-Si-28

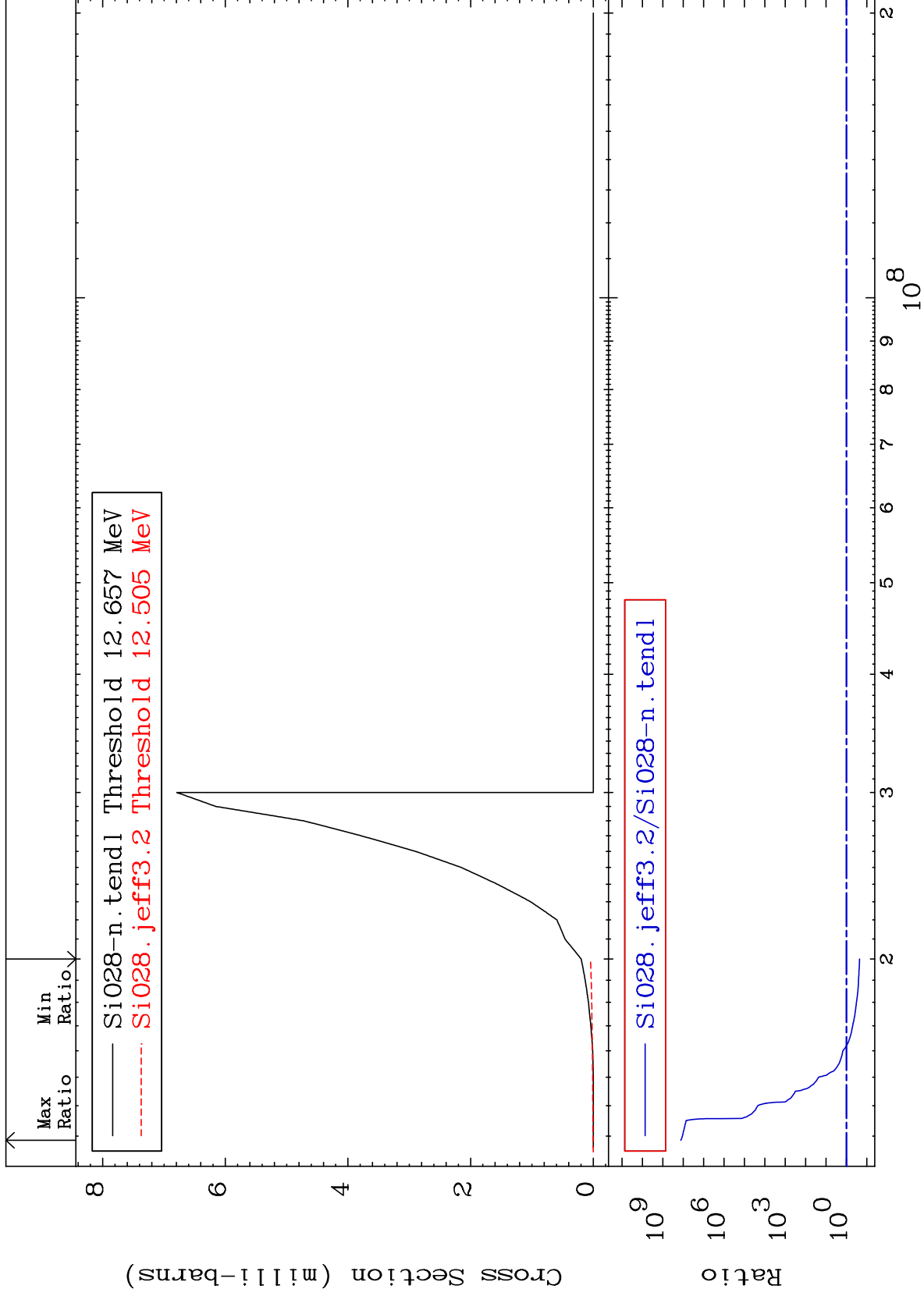
14-Si-28

MAT 1425

(n, t)
Cross Section

14-Si-28
269.2 To 9999. %





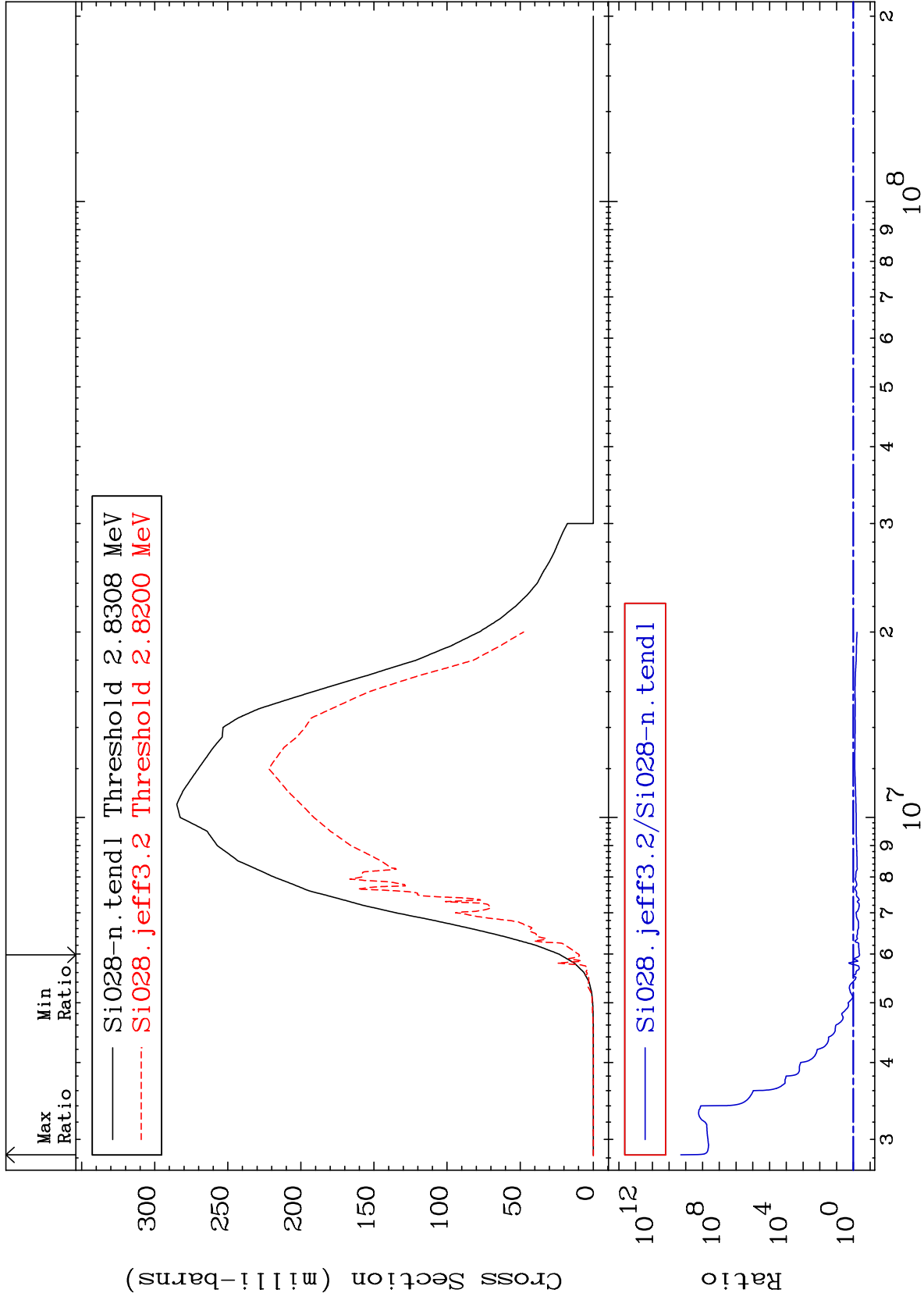
MAT 1425

(n, α)

14-Si-28

Cross Section

-57.22 To 9999. %



30

Incident Energy (eV)

14-Si-28

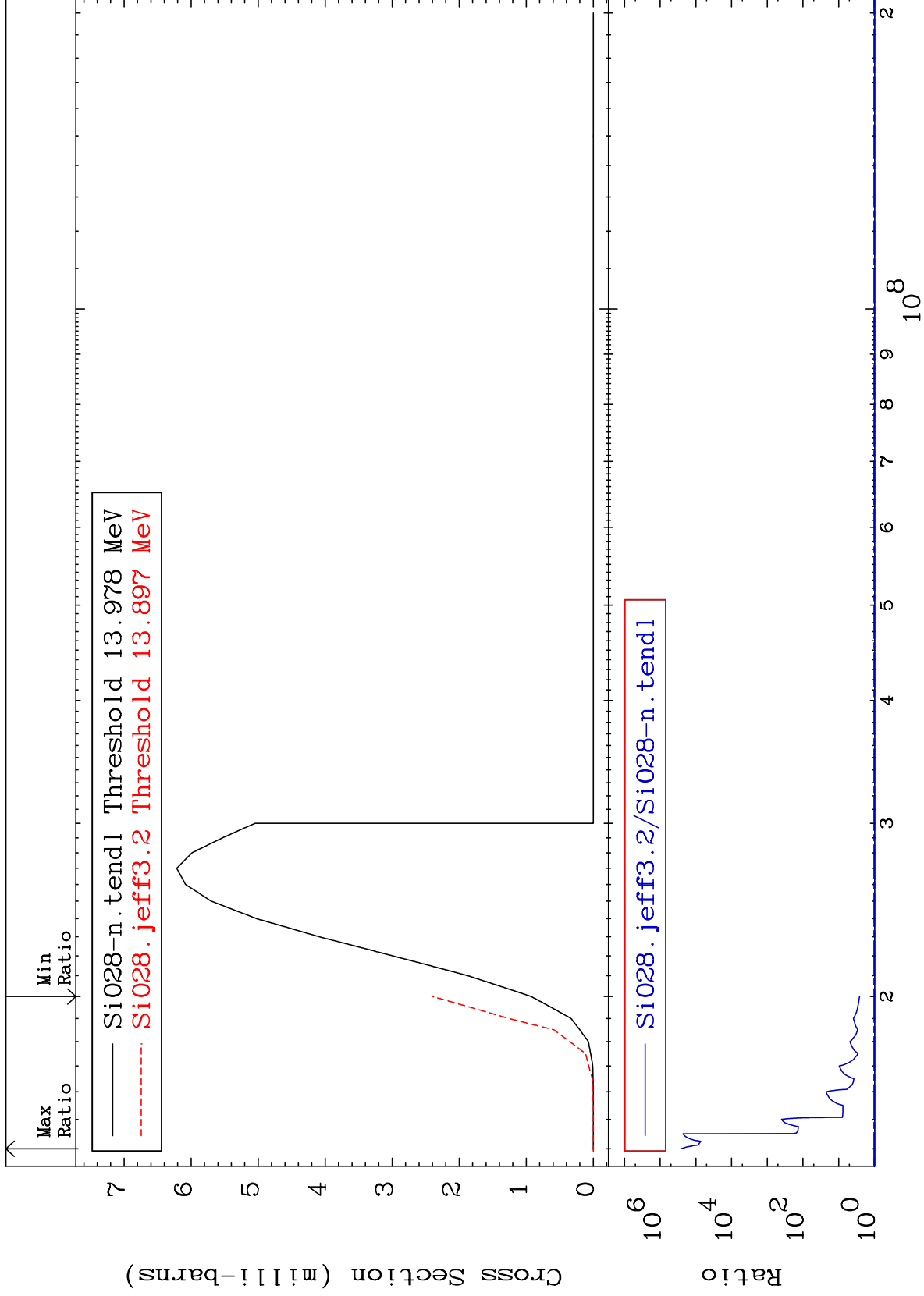
MAT 1425

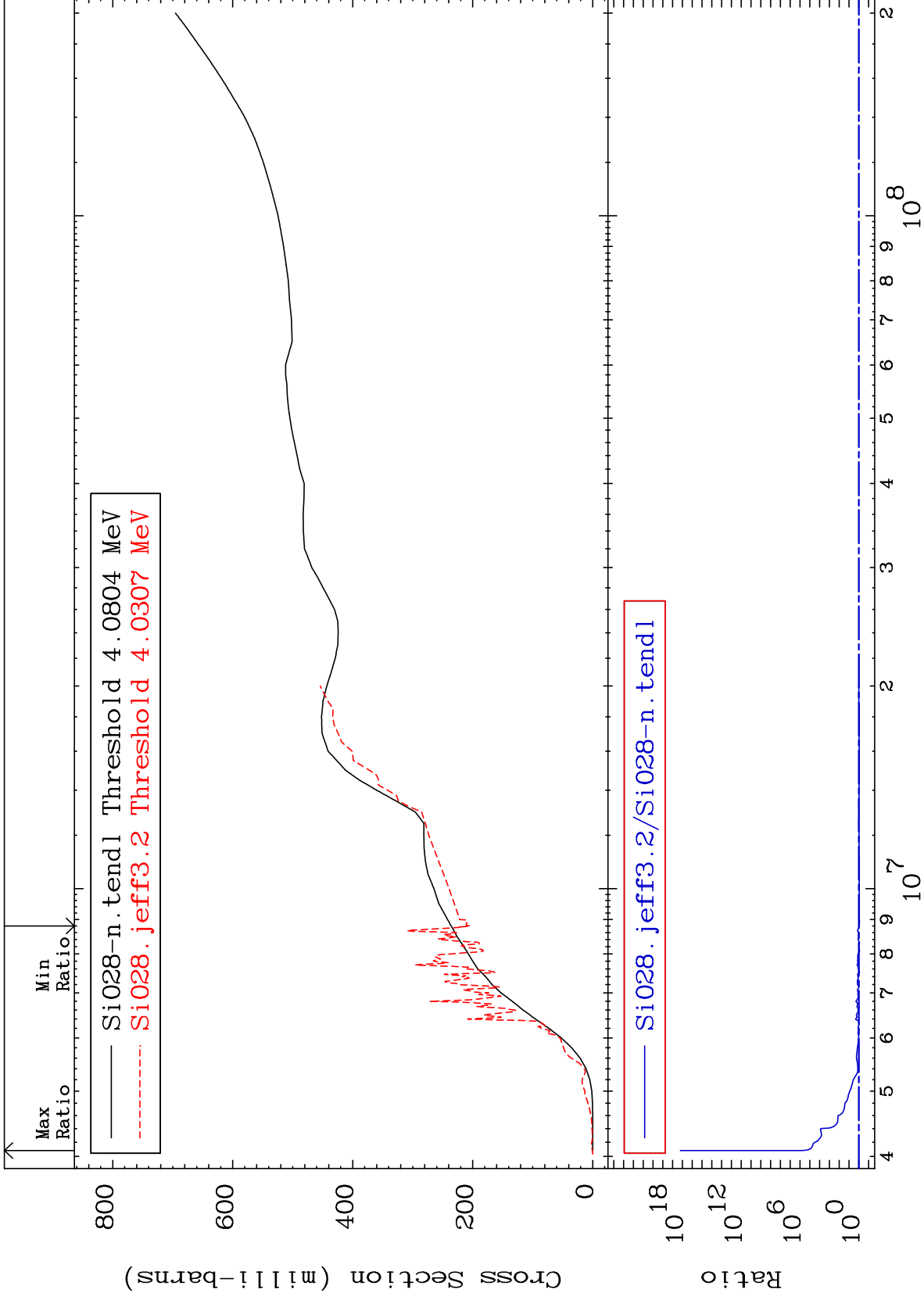
(n,2p)

¹⁴Si-28

Cross Section

159.2 To 9999. %

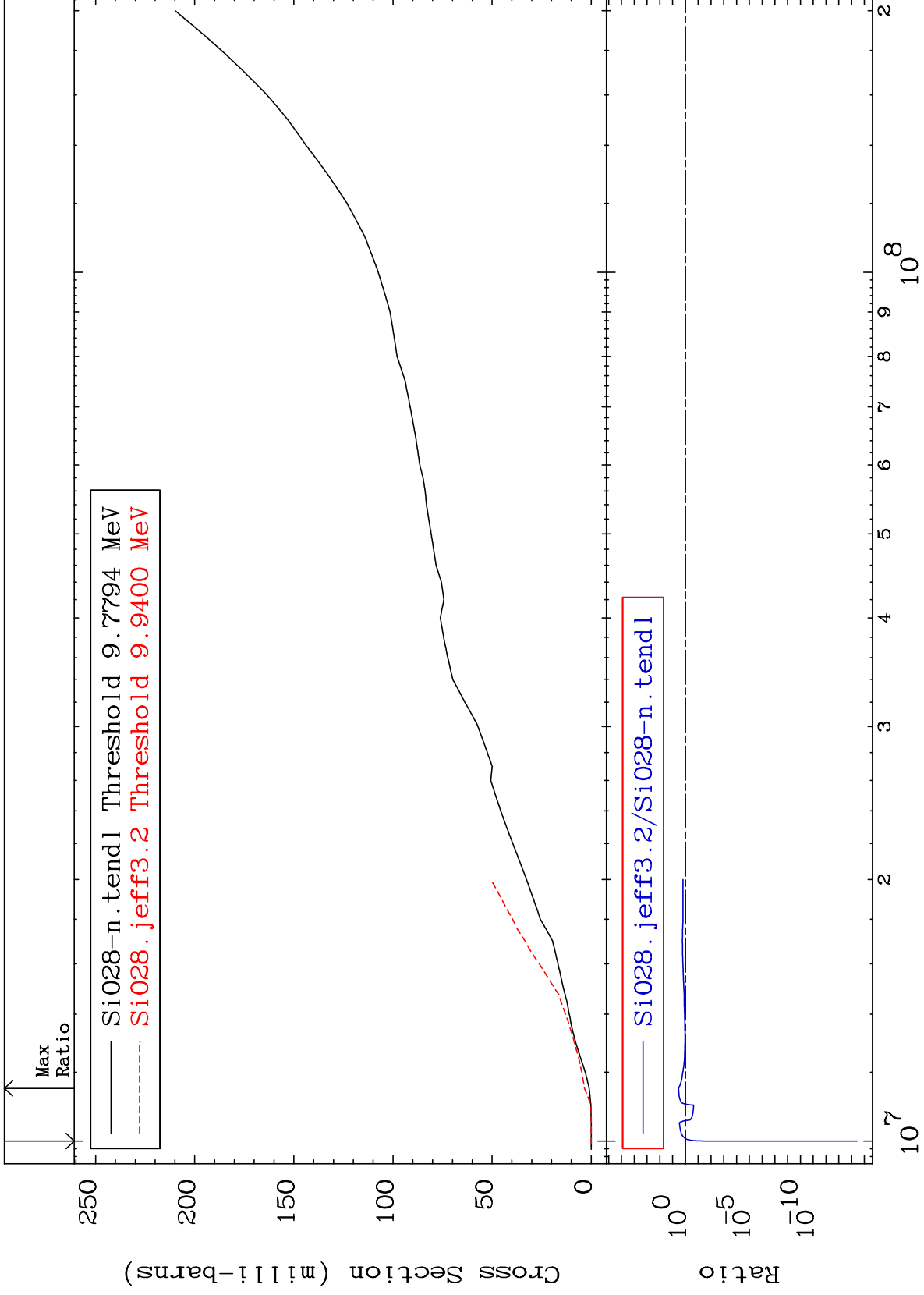




MAT 1425

Deuterium Production
Cross Section

14-Si-28
-100.0 To 237.8 %



33

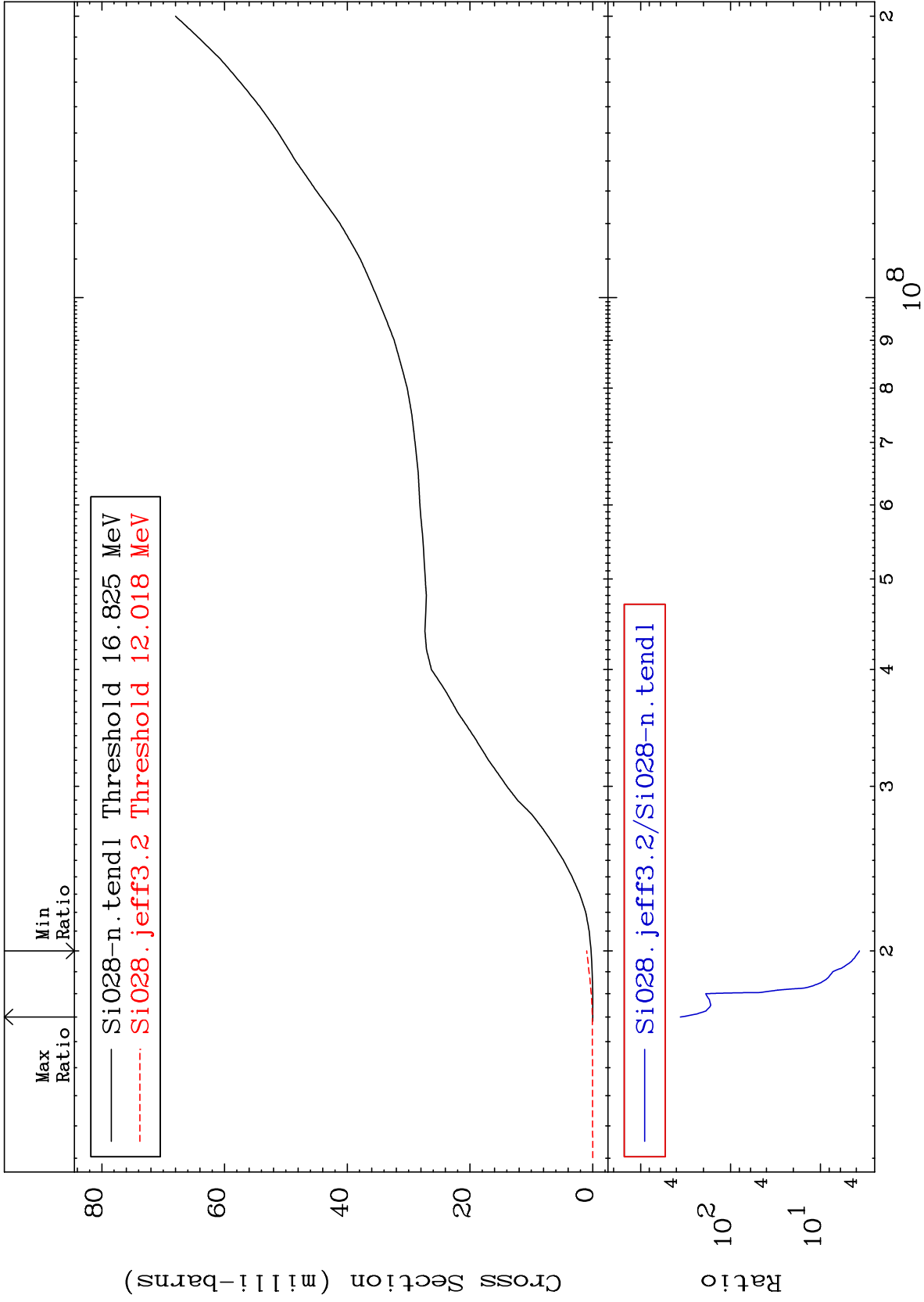
Incident Energy (eV)

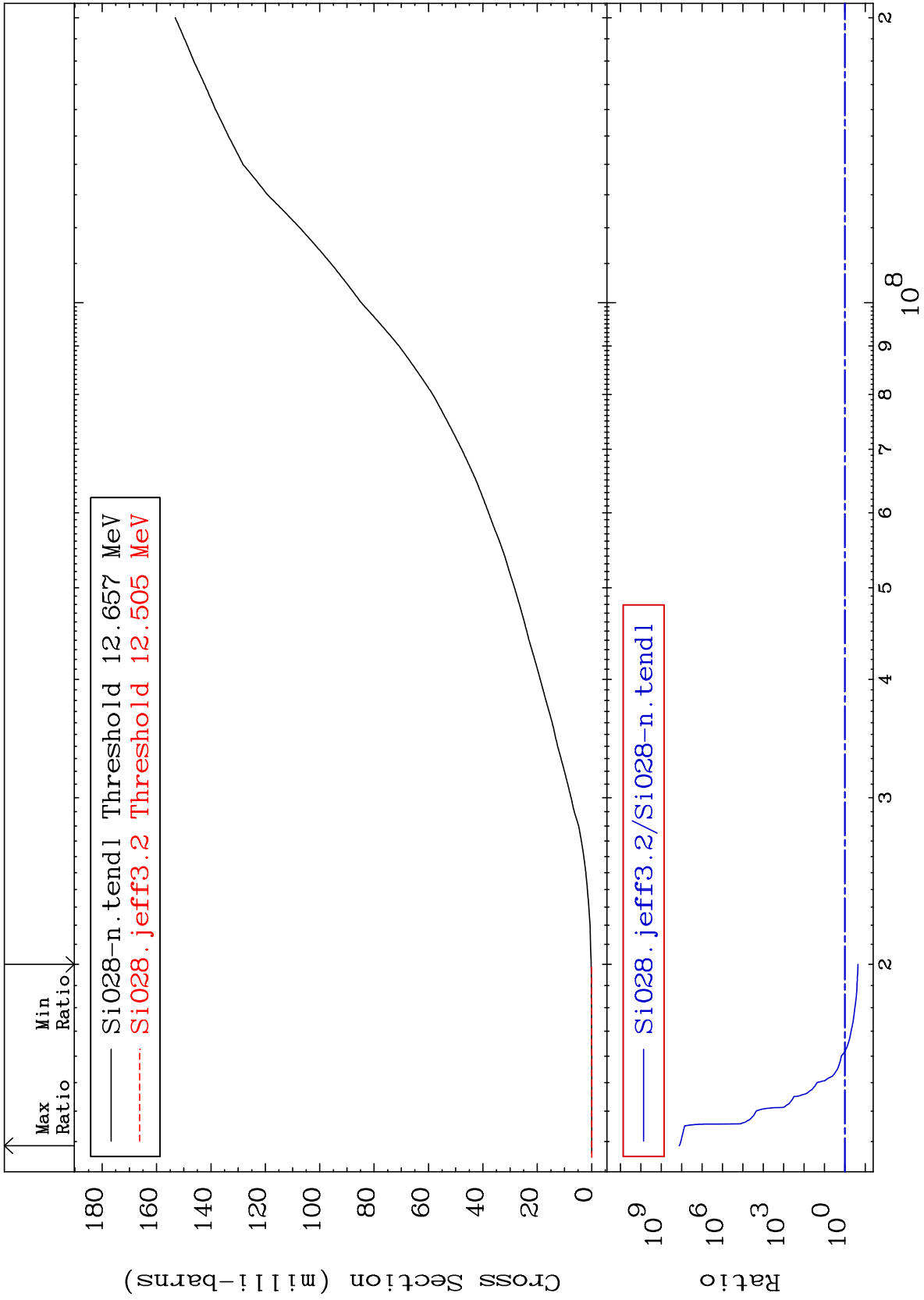
14-Si-28

MAT 1425

Tritium Production
Cross Section

14-Si-28
269.2 To 9999. %

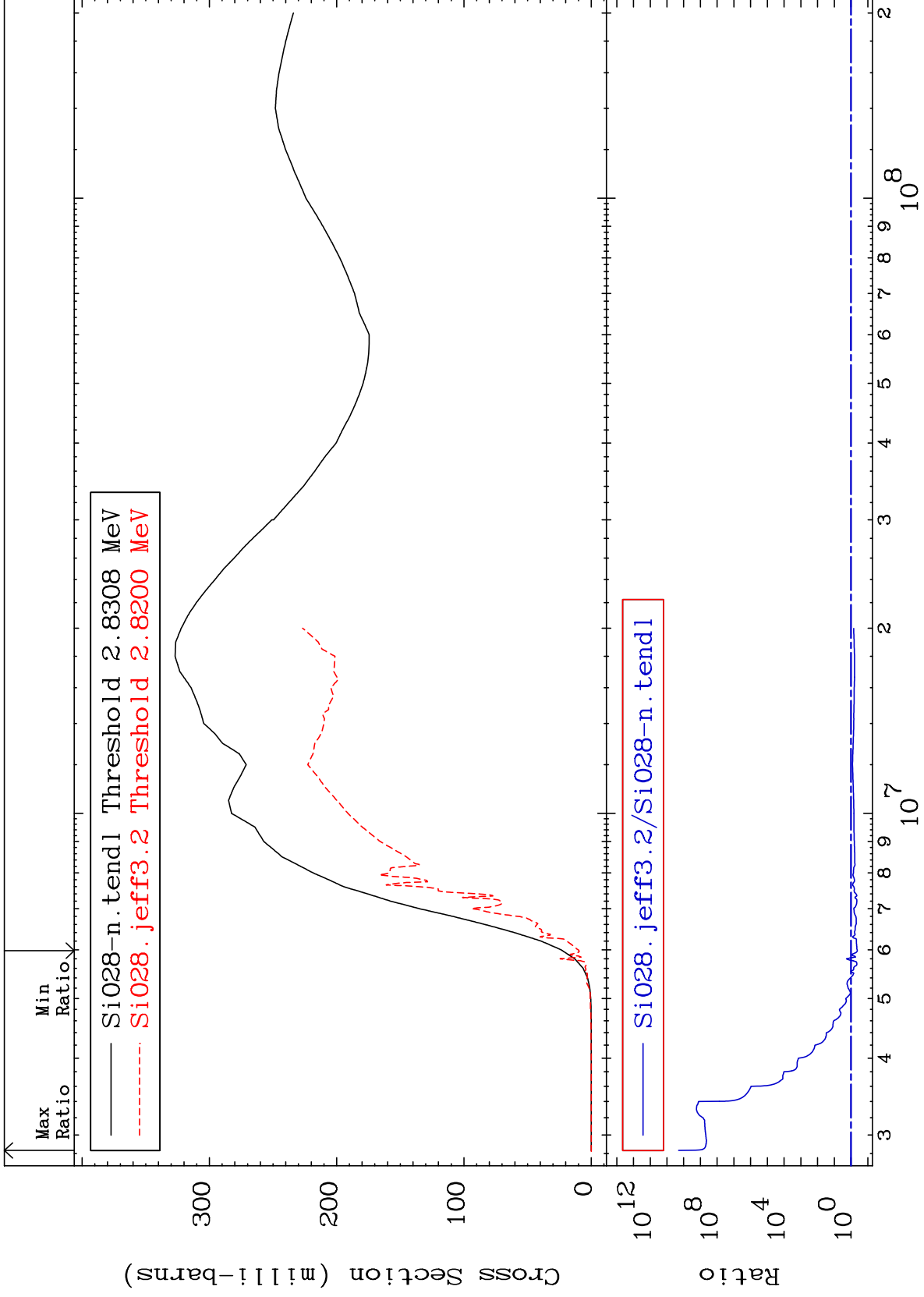


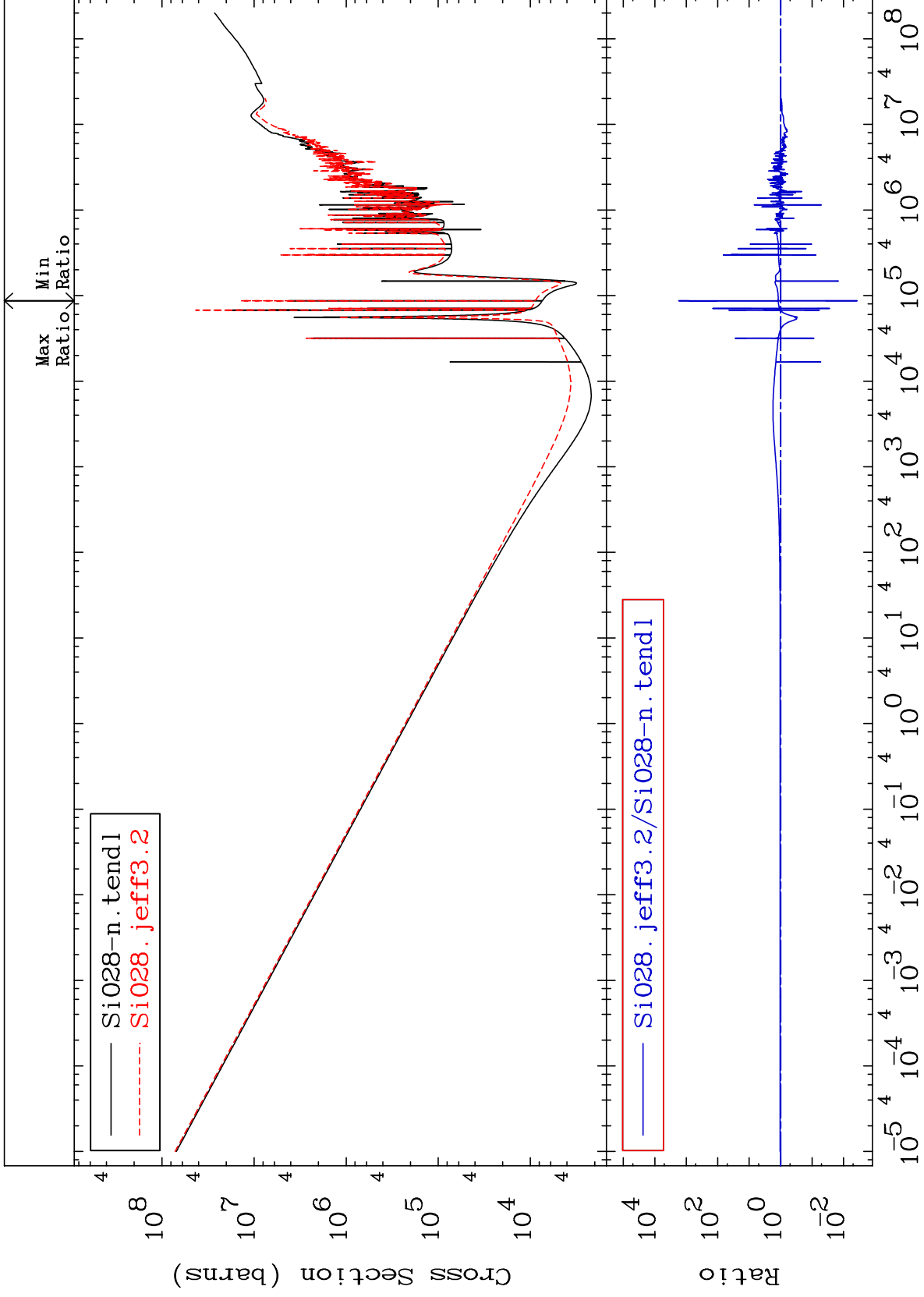


MAT 1425

He-4 Production
Cross Section

14-Si-28
-57.22 To 9999. %

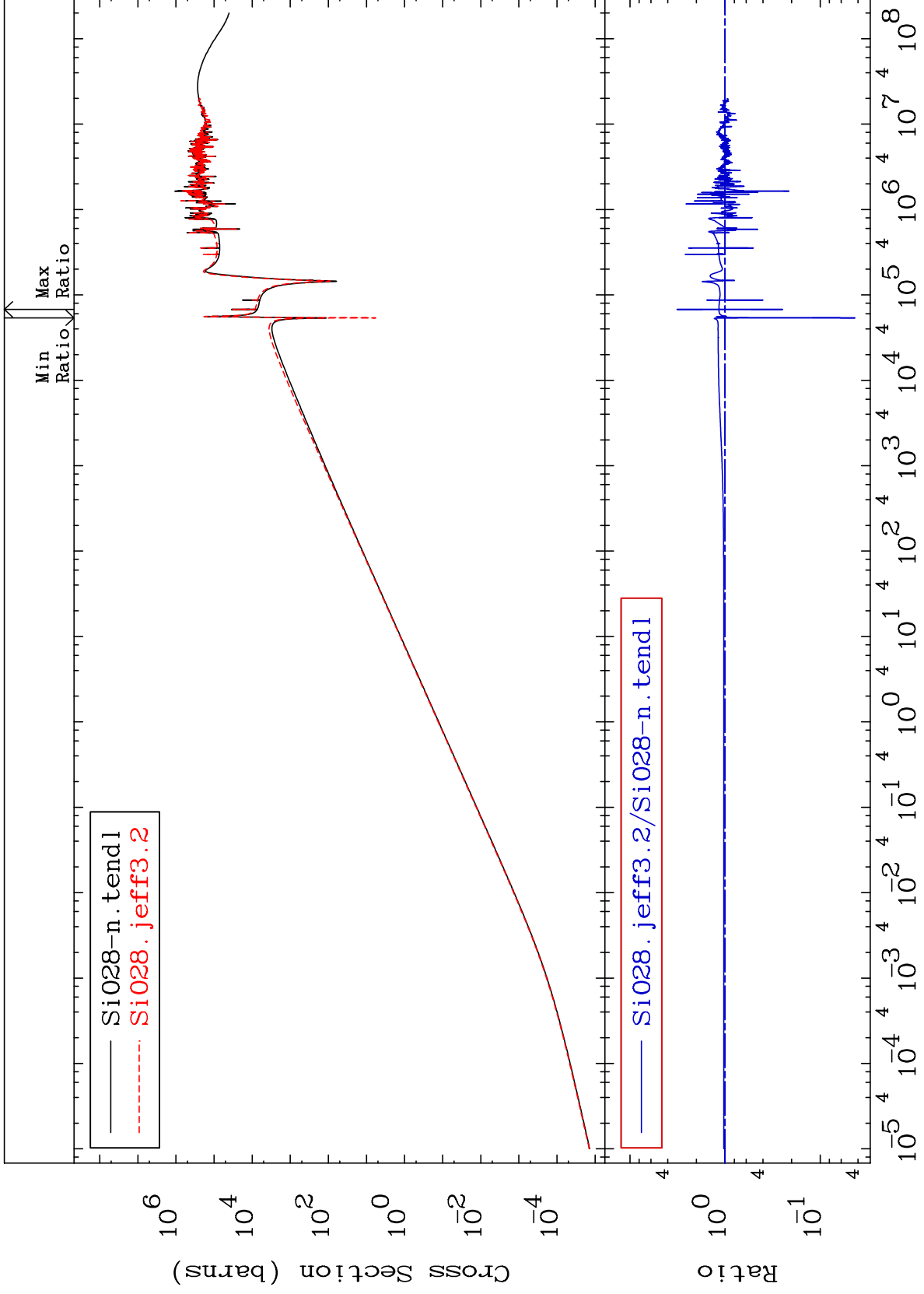


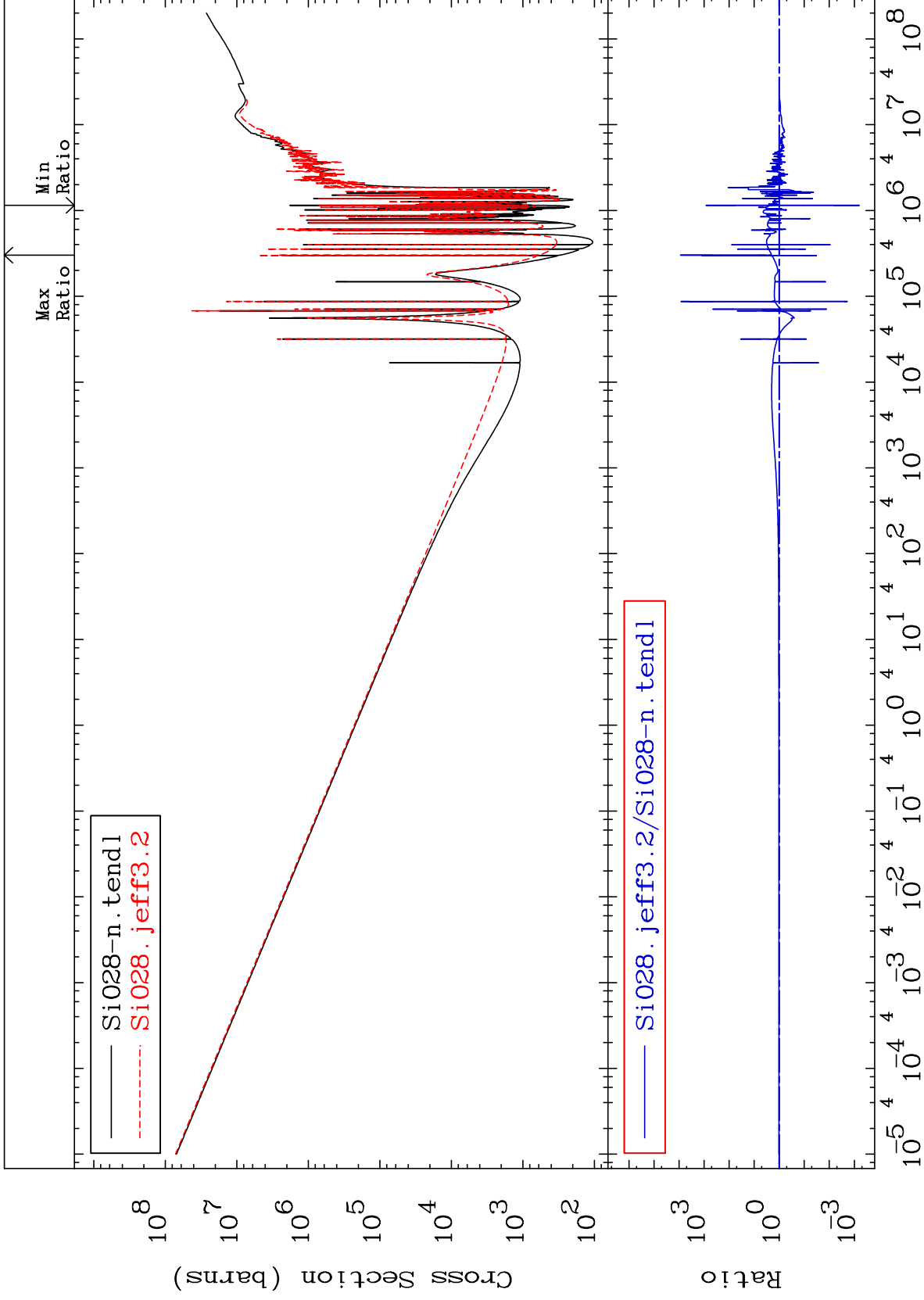


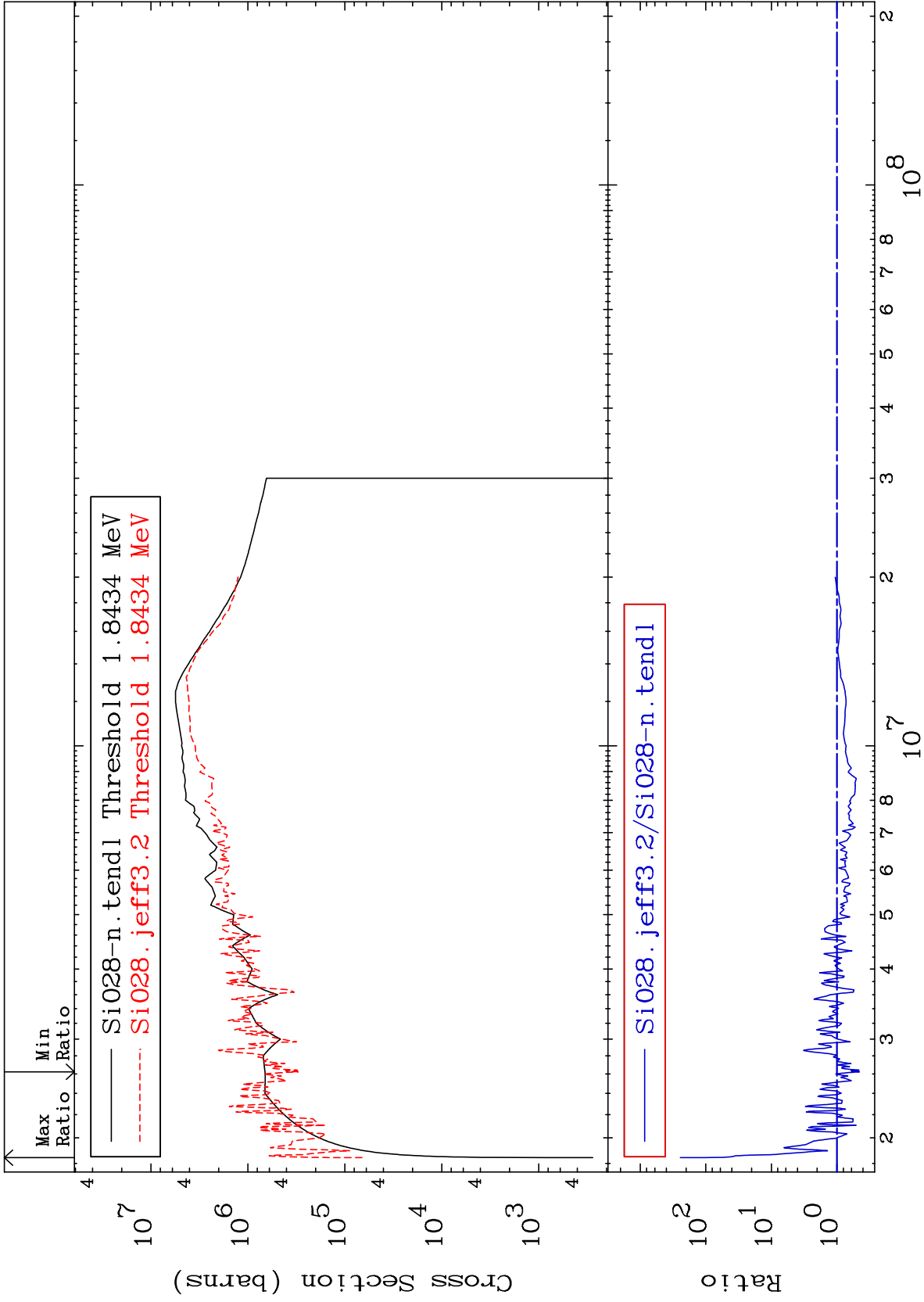
MAT 1425

Kerma elastic
Cross Section

14-Si-28
-95.70 To 220.5 %



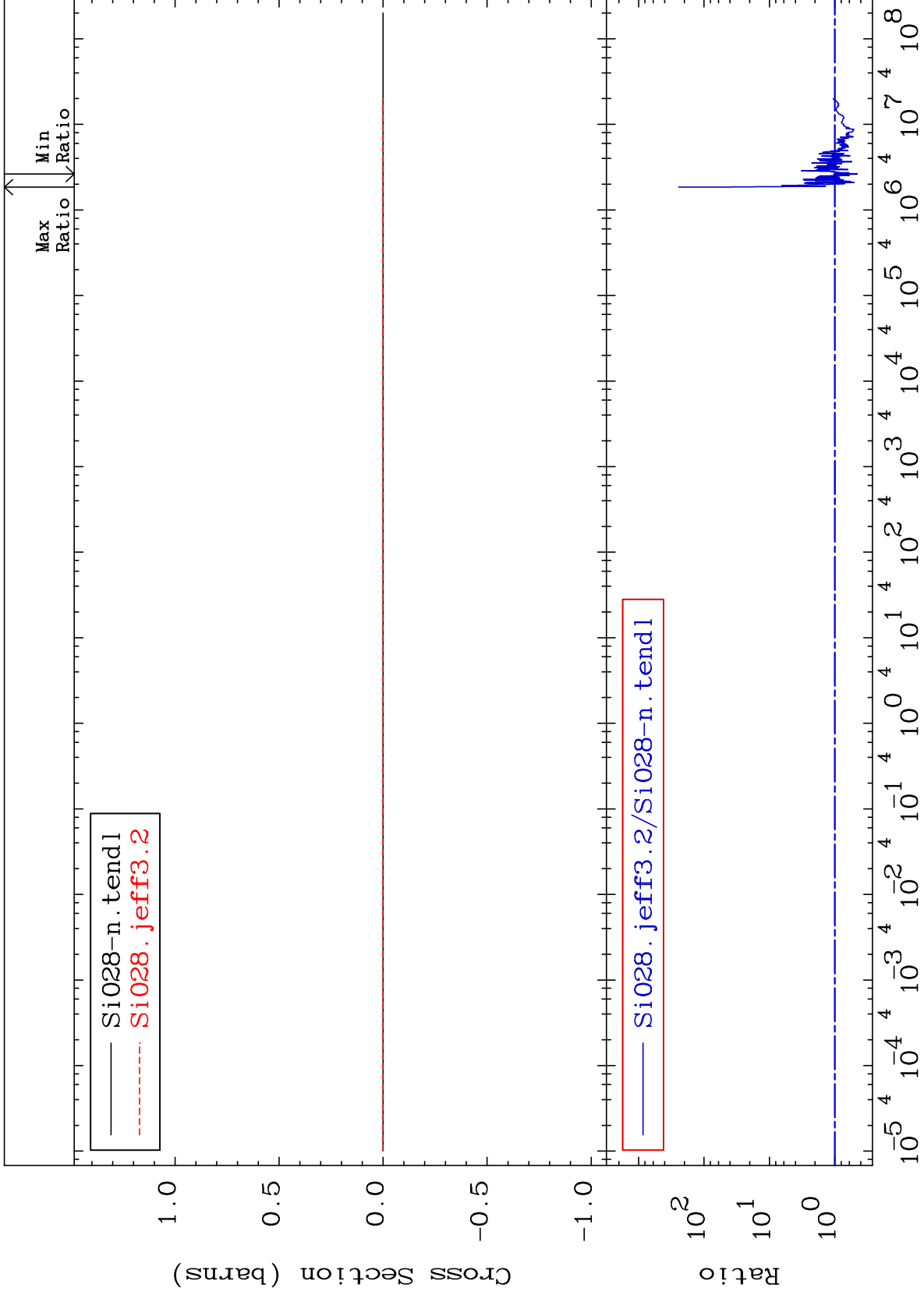




MAT 1425

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

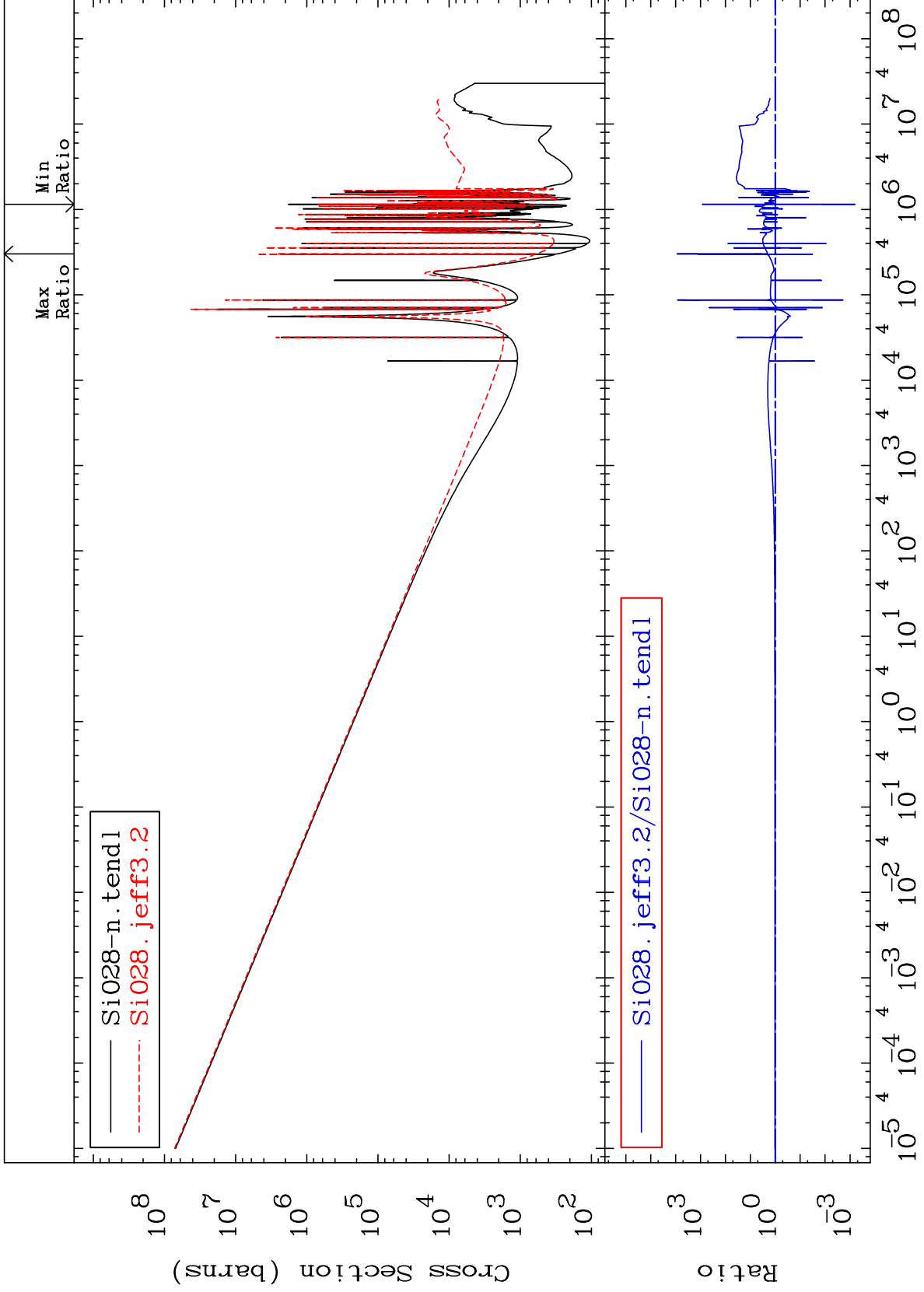
14-Si-28
-54.63 To 9999. %



MAT 1425

Kerma capture (mt102)
Cross Section

14-Si-28
-99.94 To 9999. %



42

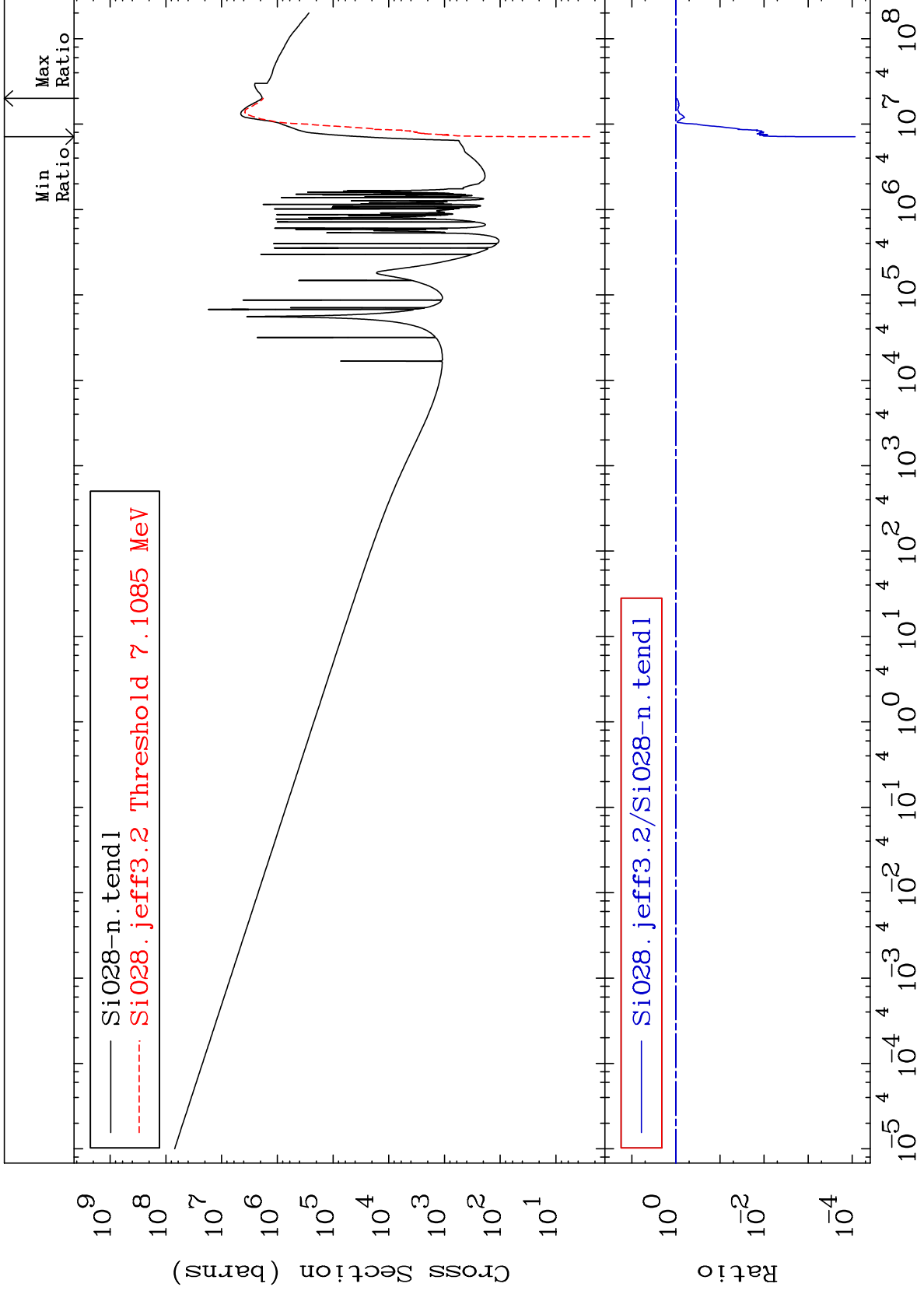
Incident Energy (eV)

14-Si-28

MAT 1425

Total photon (eV-barns)
Cross Section

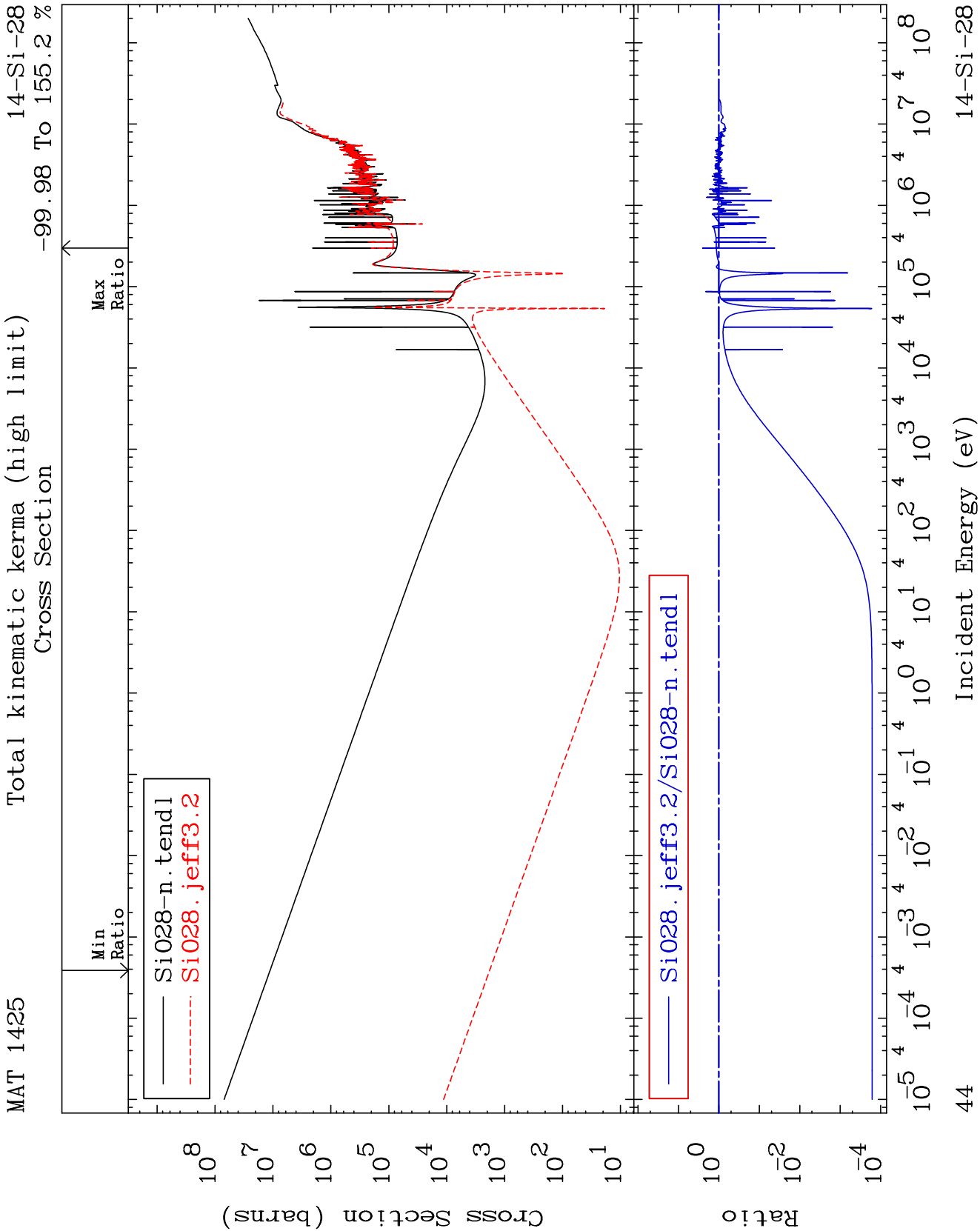
14-Si-28
-99.99 To -5.137%



43

Incident Energy (eV)

14-Si-28



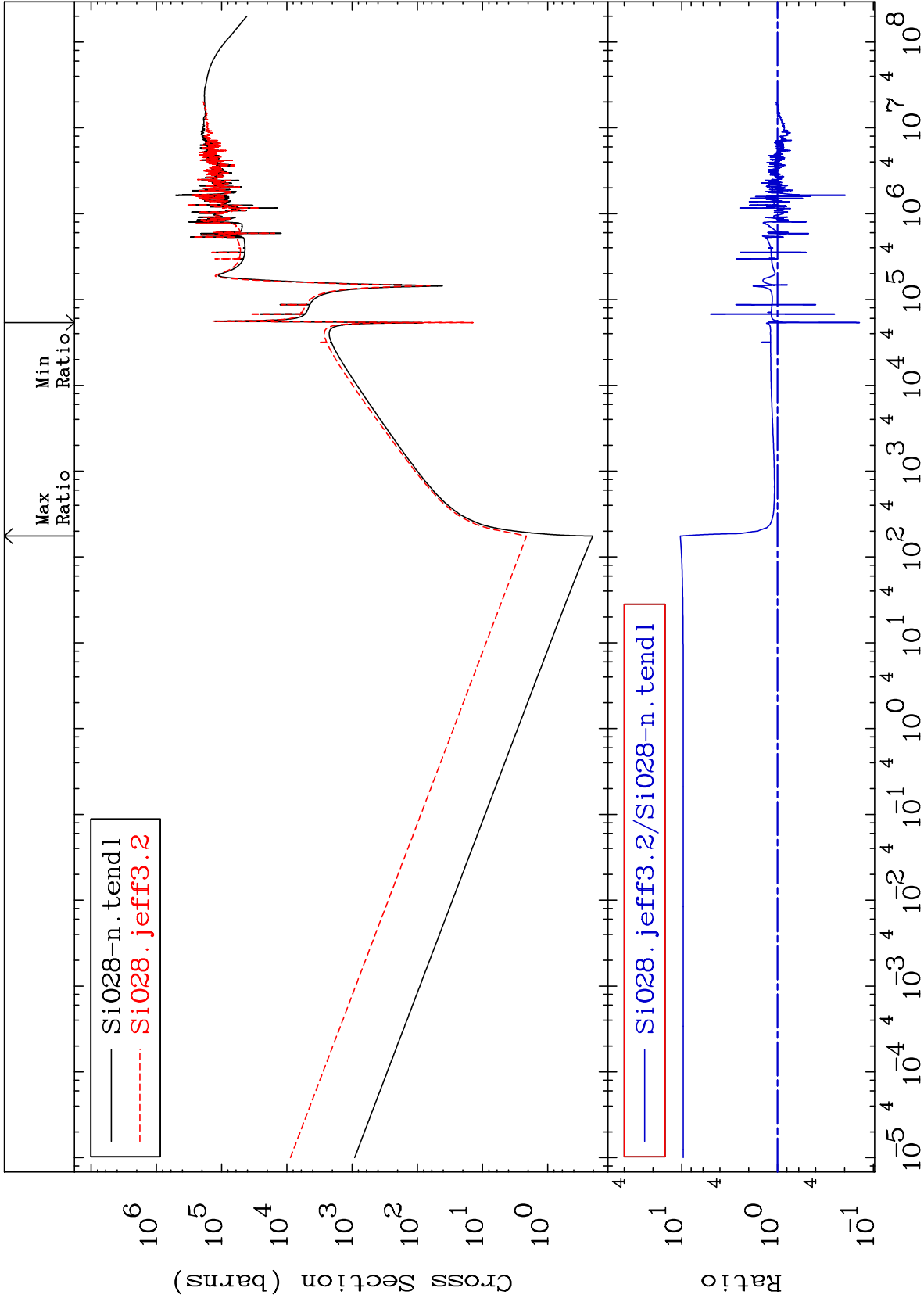
MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section

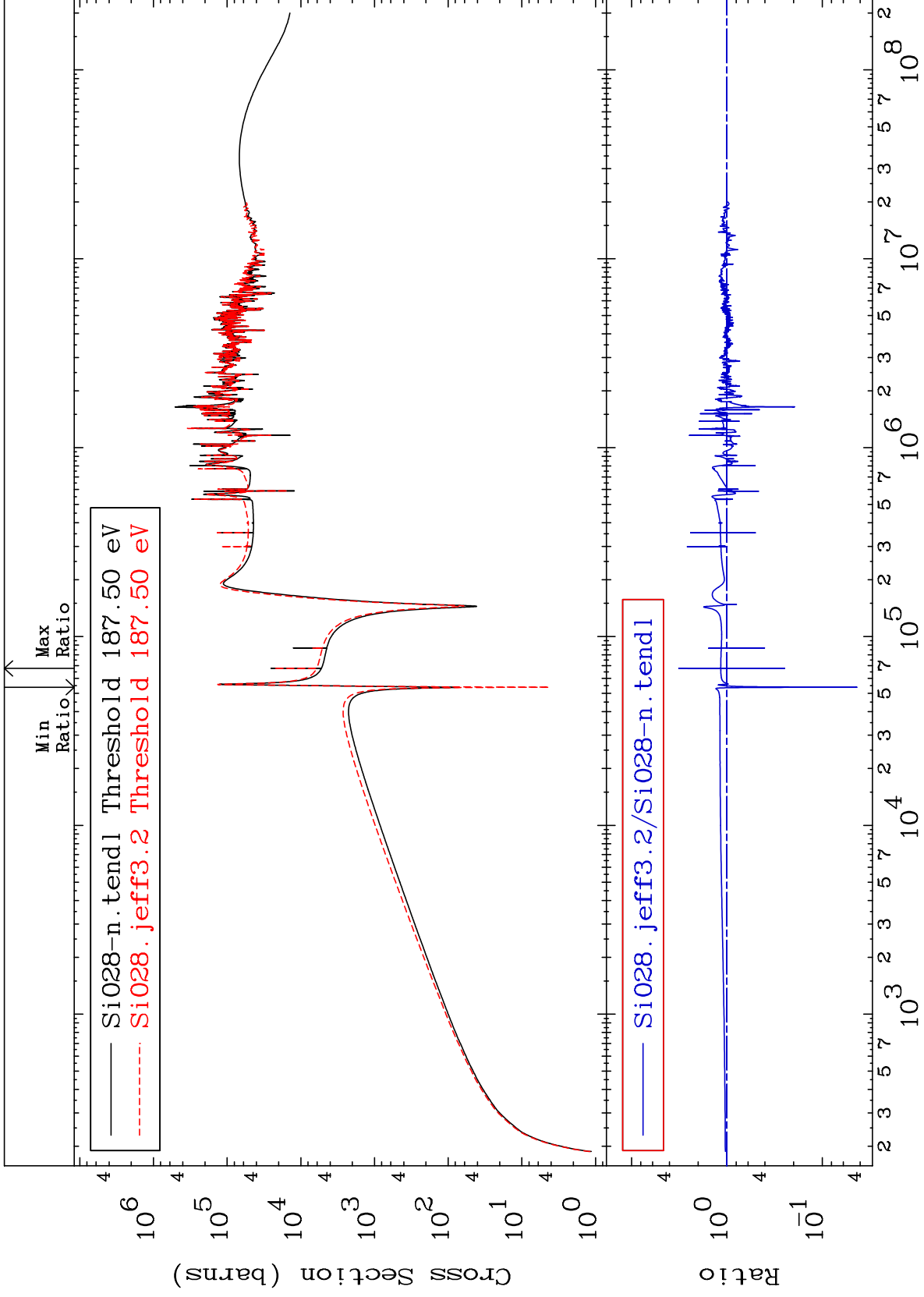
-86.02 To 935.2 %

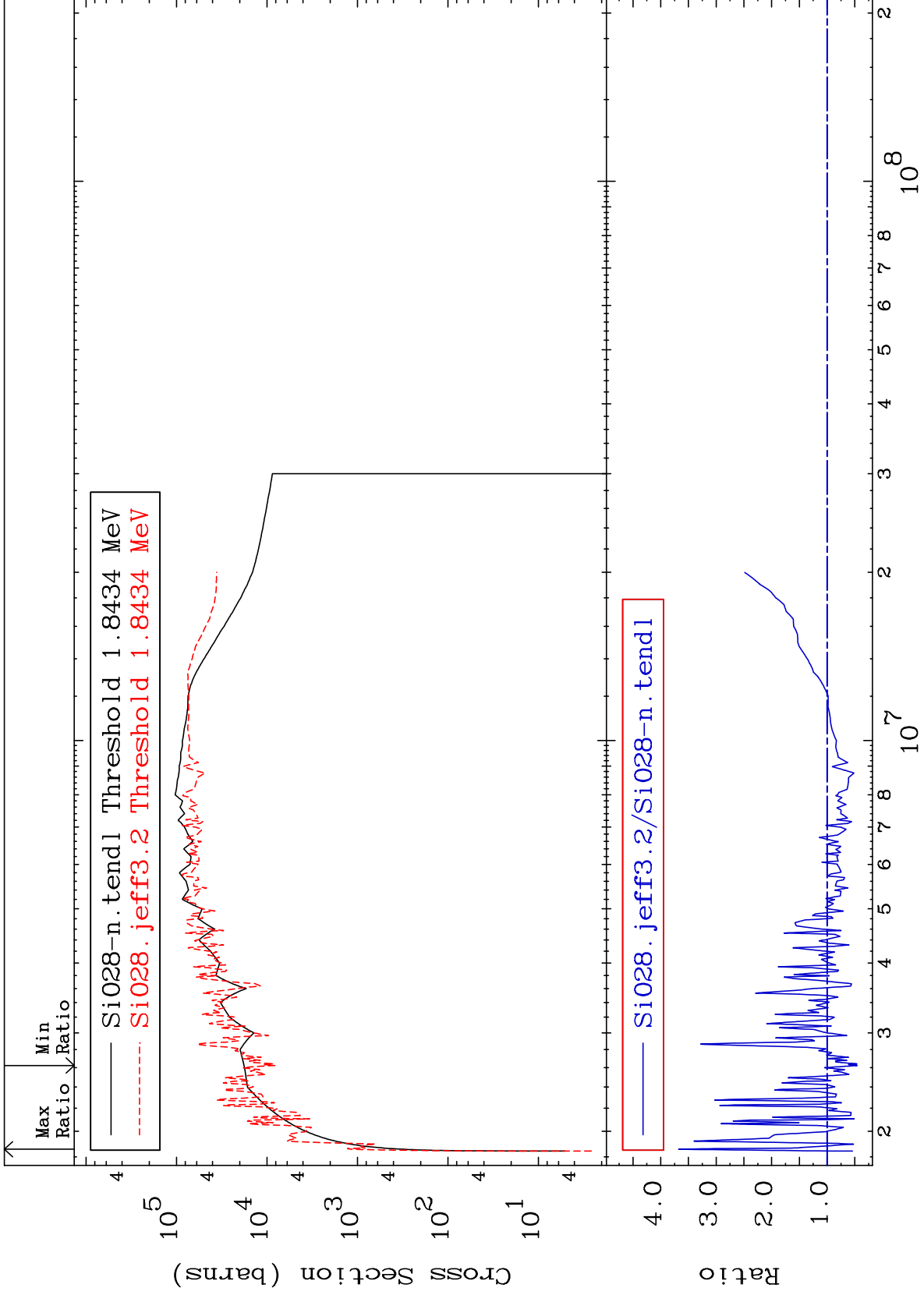


45

Incident Energy (eV)

14-Si-28

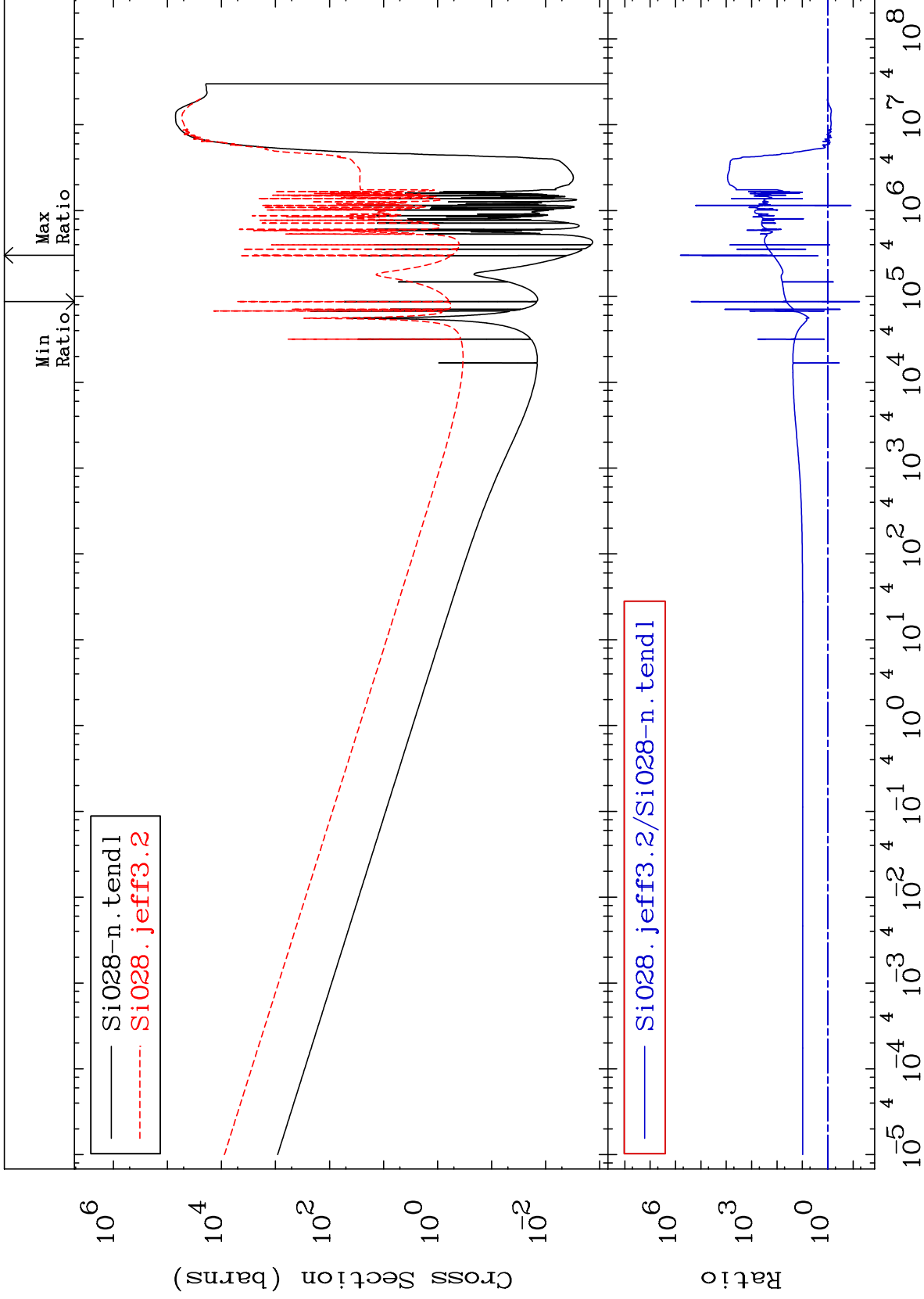




MAT 1425

Dpa disappearance (mt102 -120)
Cross Section

14-Si-28
-94.36 To 9999. %



Incident Energy (eV)

14-Si-28

48