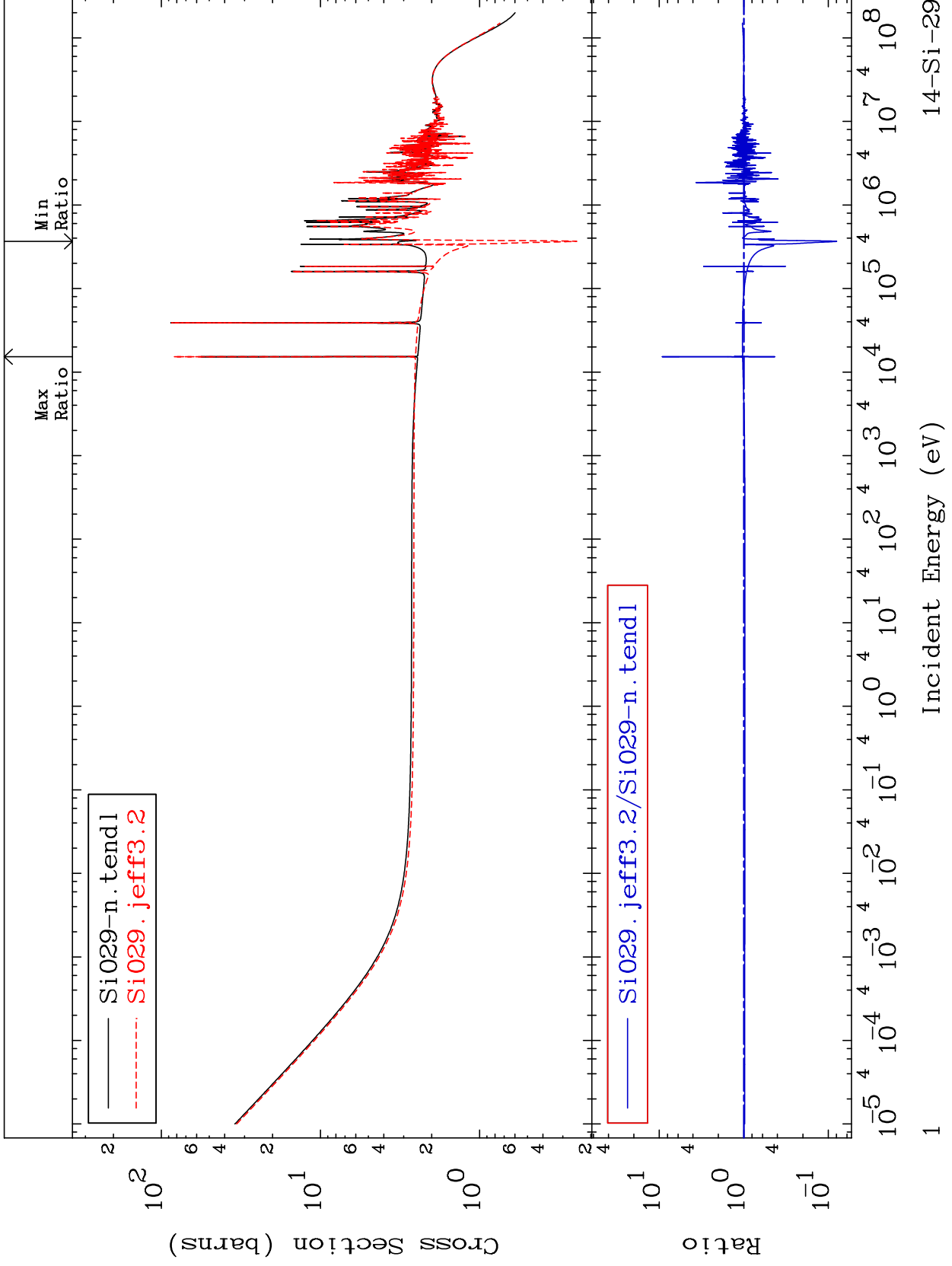


MAT 1428

Total
Cross Section

14-Si-29
-92.03 To 821.3 %



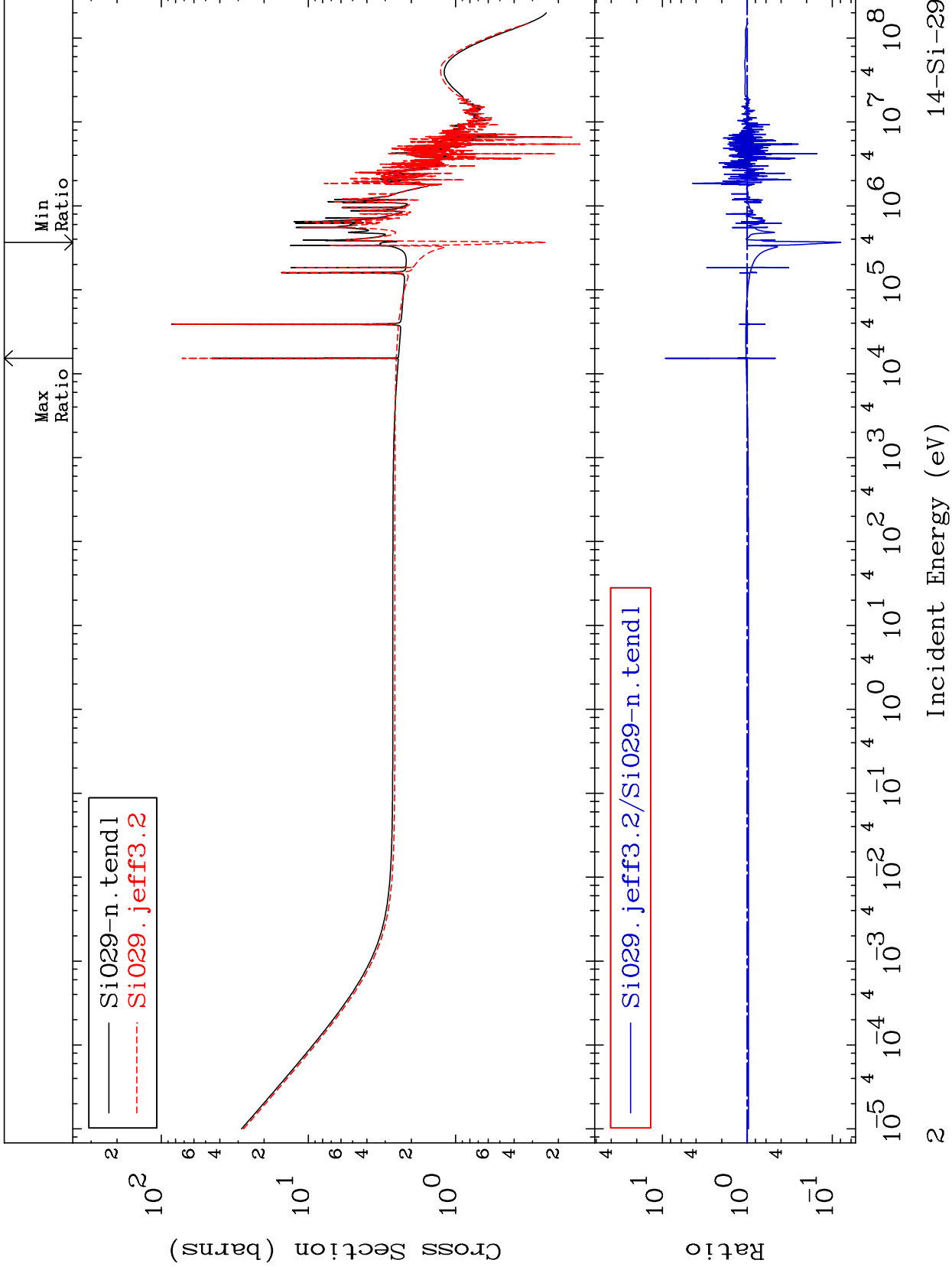
Incident Energy (eV)

14-Si-29

MAT 1428

Elastic
Cross Section

14-Si-29
-92.05 To 816.8 %

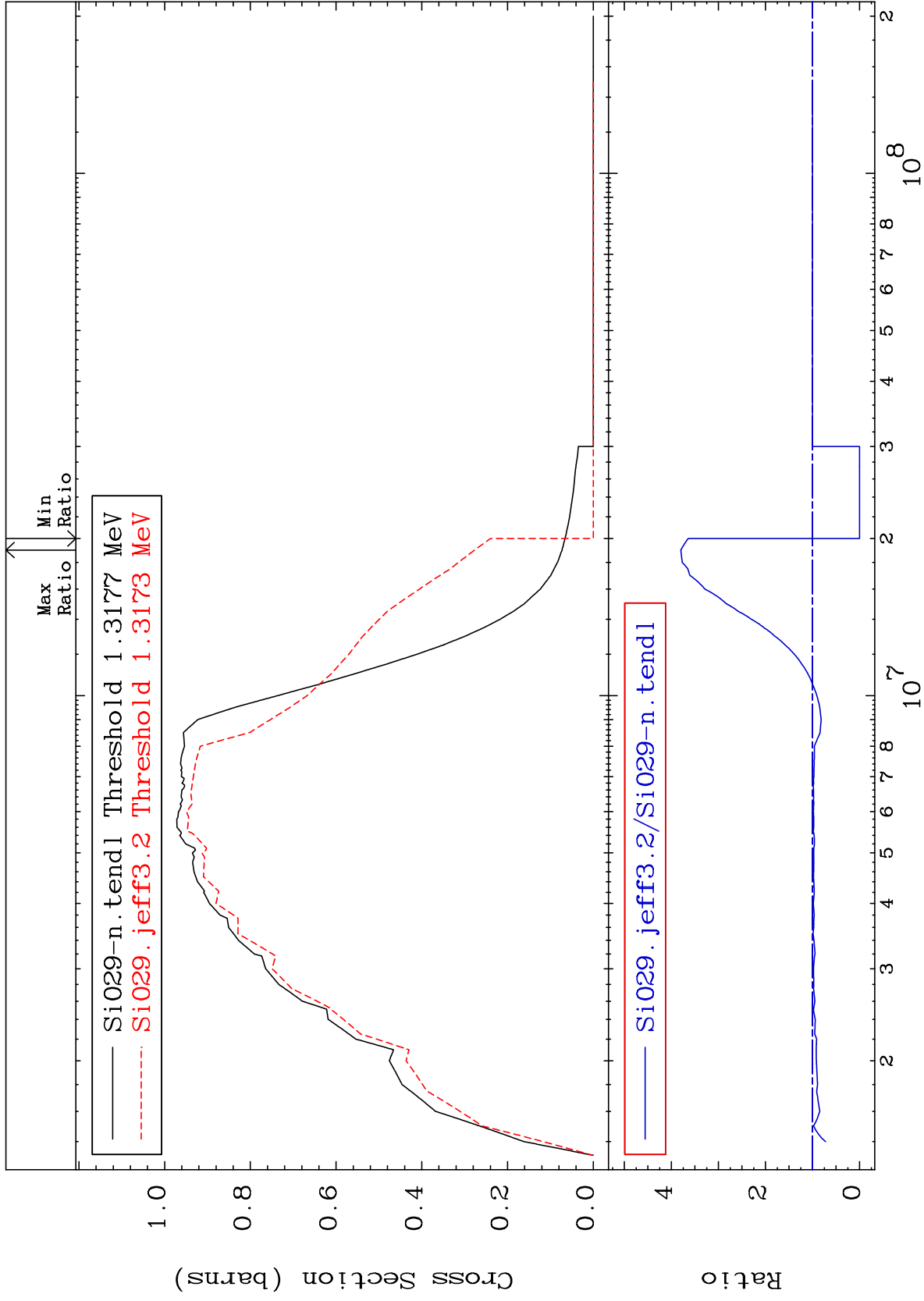


14-Si-29

MAT 1428

14-Si-29

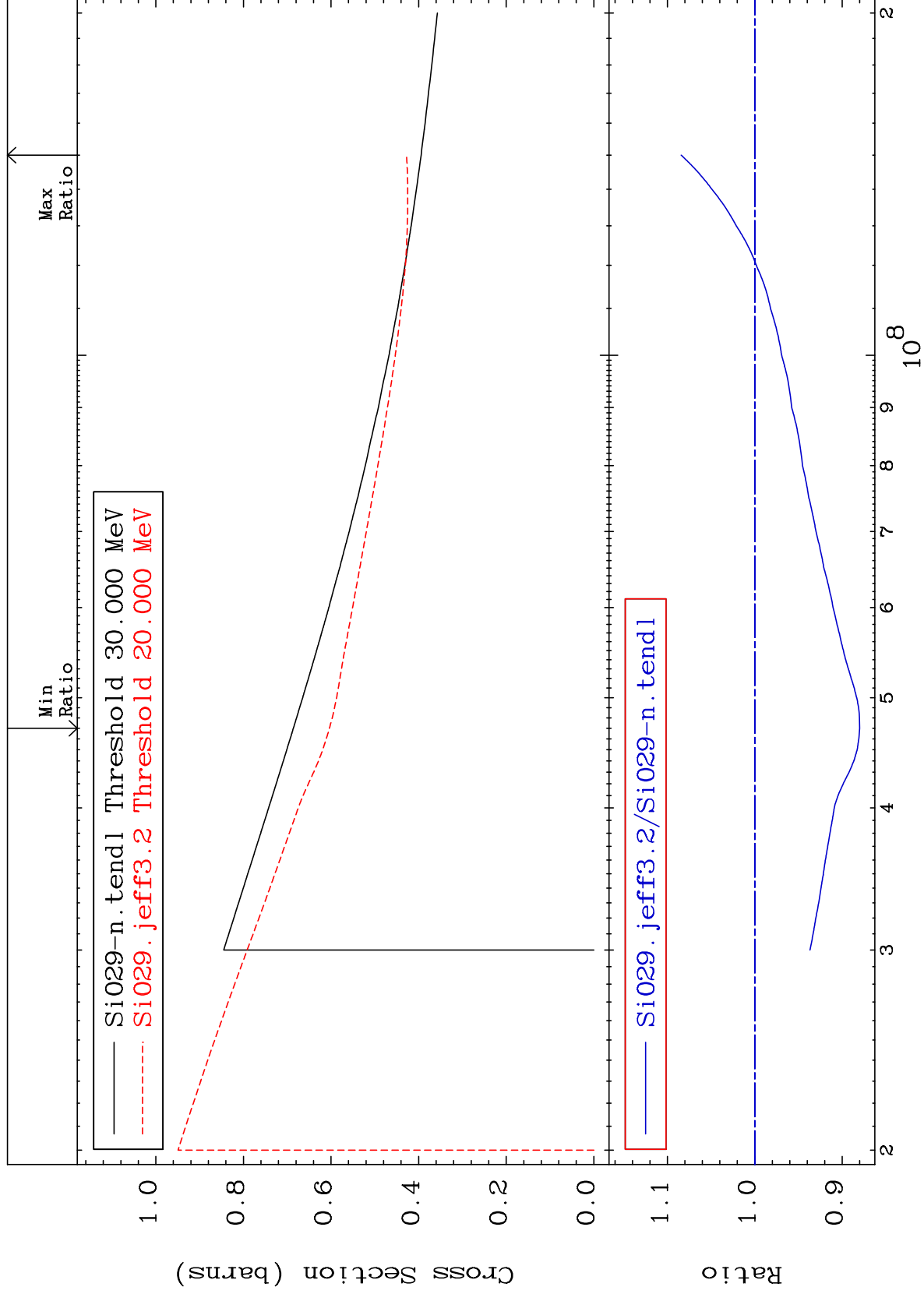
Inelastic Cross Section -100.0 To 280.0 %



MAT 1428

(n, remainder)
Cross Section

14-Si-29
-12.00 To 8.431 %



4

Incident Energy (eV)

14-Si-29

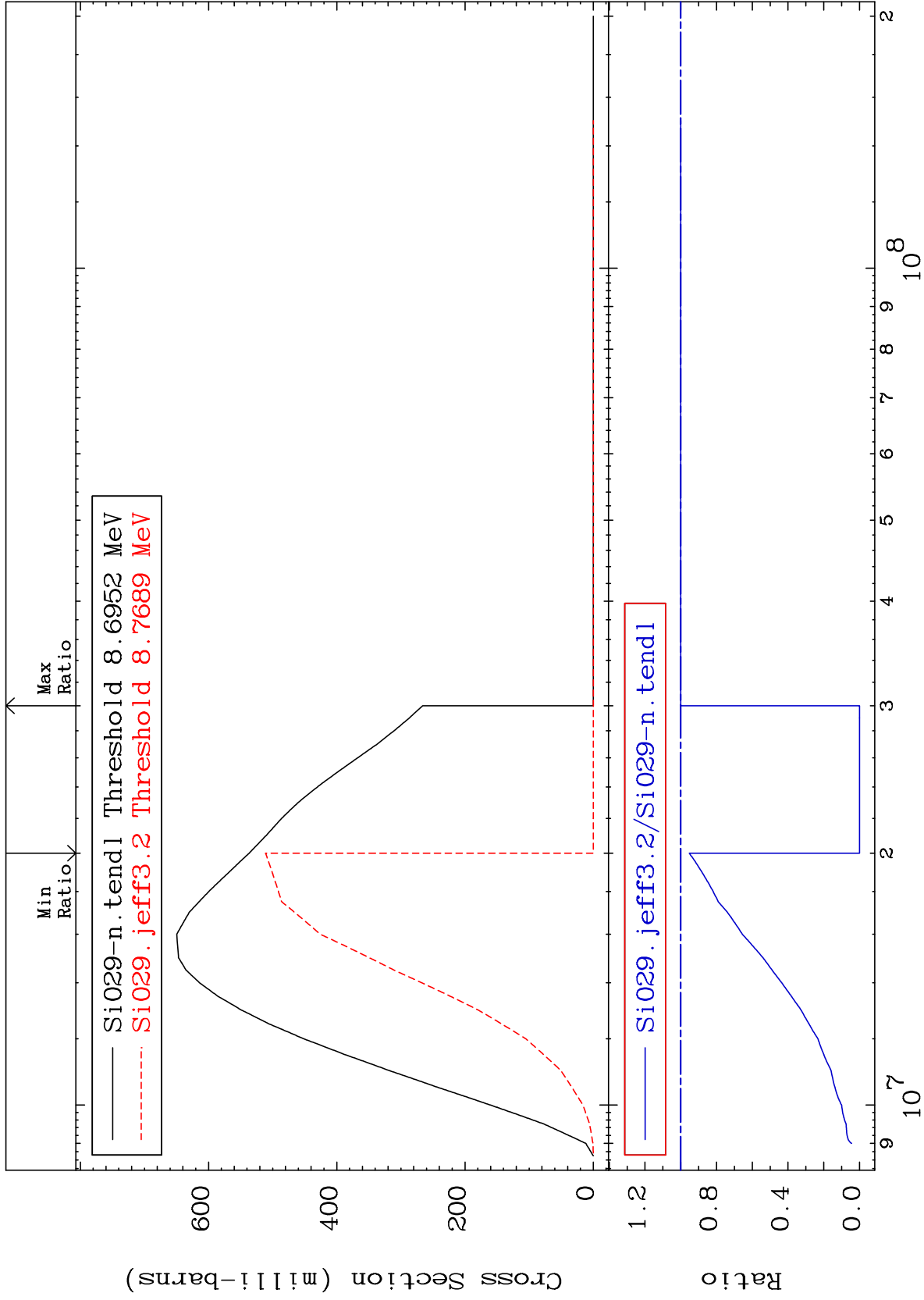
MAT 1428

(n,2n)

14-Si-29

Cross Section

-100.0 To 0.000 %



Incident Energy (eV)

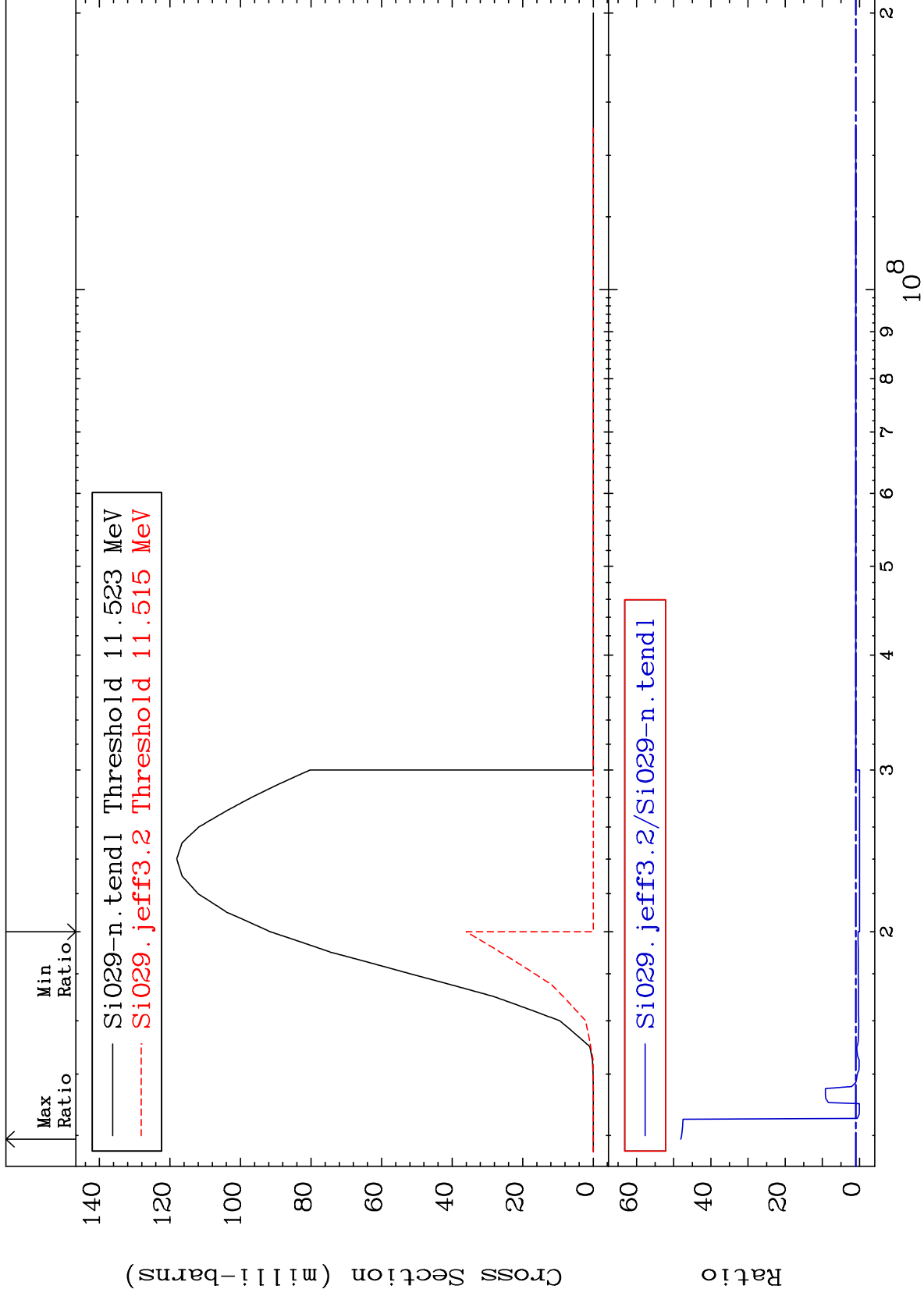
14-Si-29

5

MAT 1428

(n,n') α
Cross Section

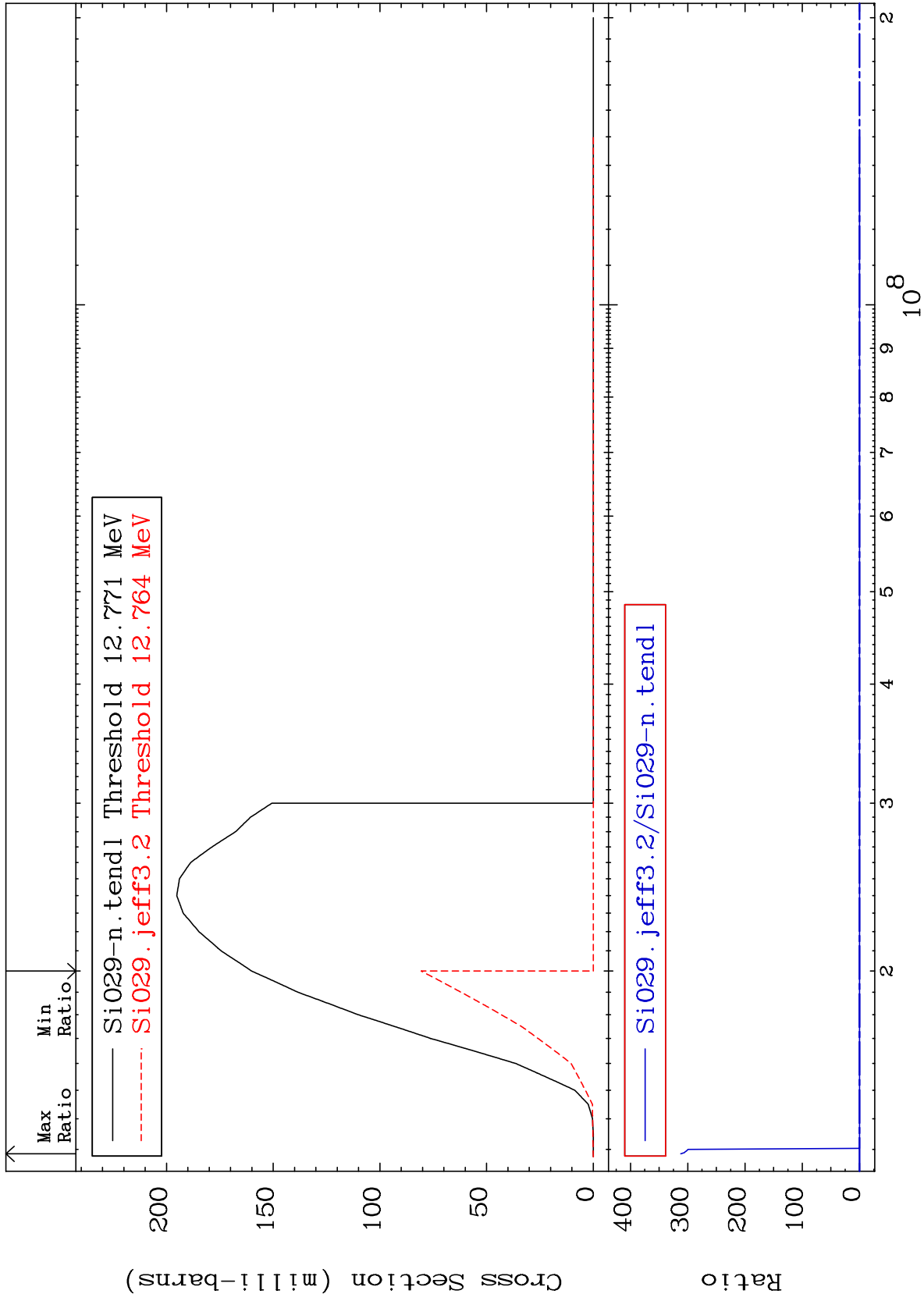
14-Si-29
-100.0 To 4711. %



MAT 1428

(n,n') p
Cross Section

14-Si-29
-100.0 To 9999. %



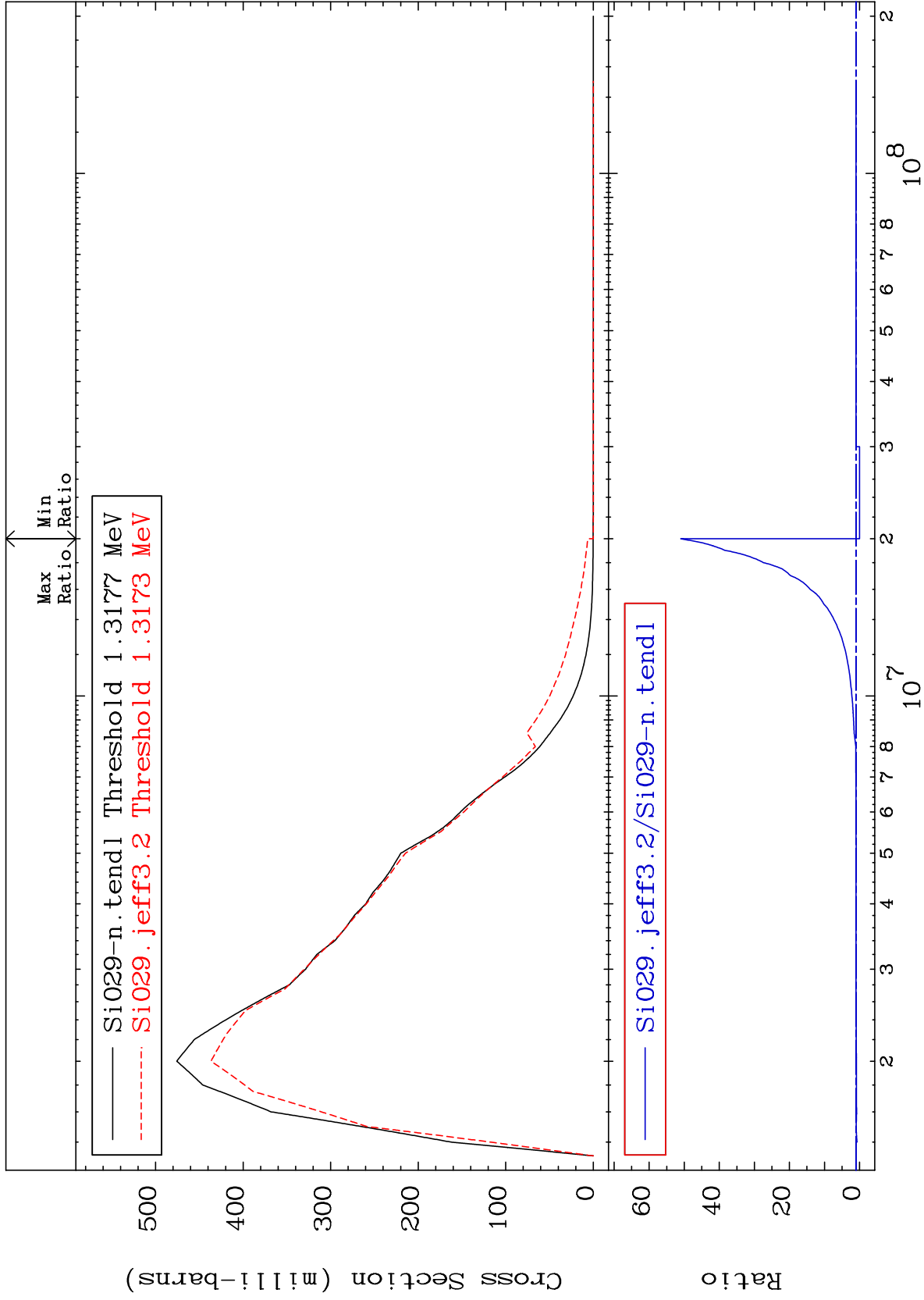
MAT 1428

1.273 MeV (n,n') Level

14-Si-29

-100.0 To 4999. %

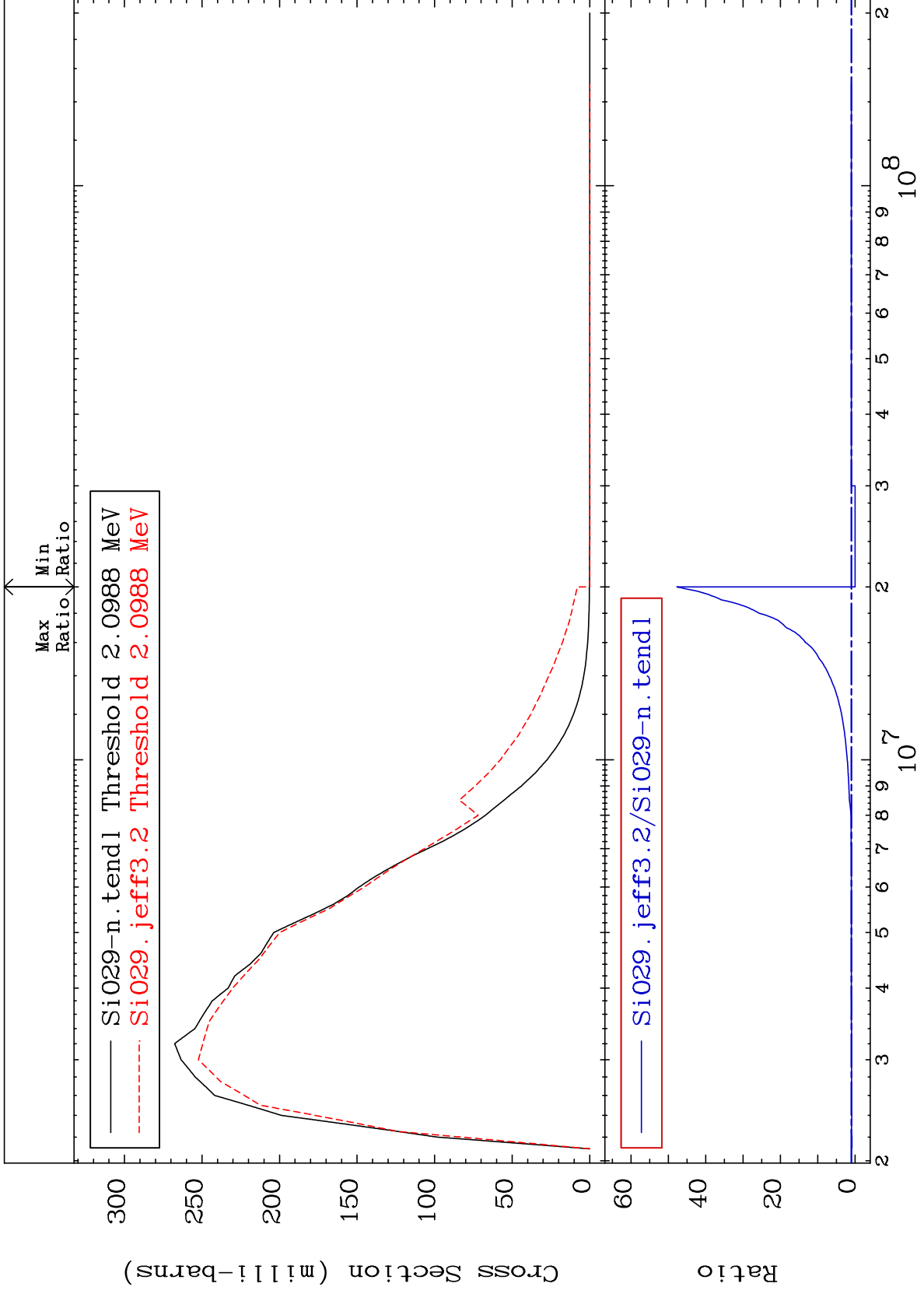
Cross Section



MAT 1428

2.028 MeV (n,n') Level
Cross Section

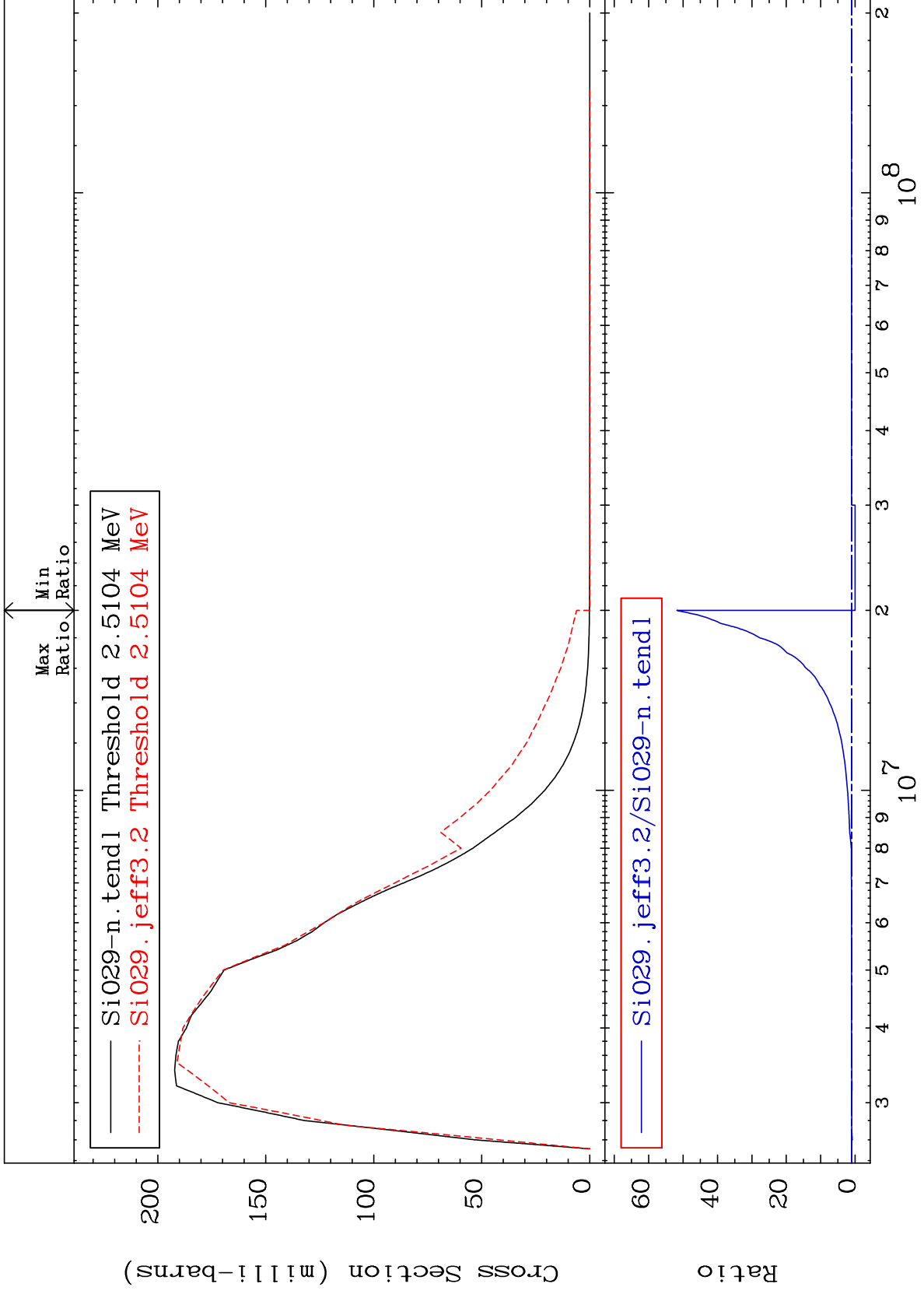
14-Si-29
-100.0 To 4670. %



MAT 1428

2.426 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 5080. %



10

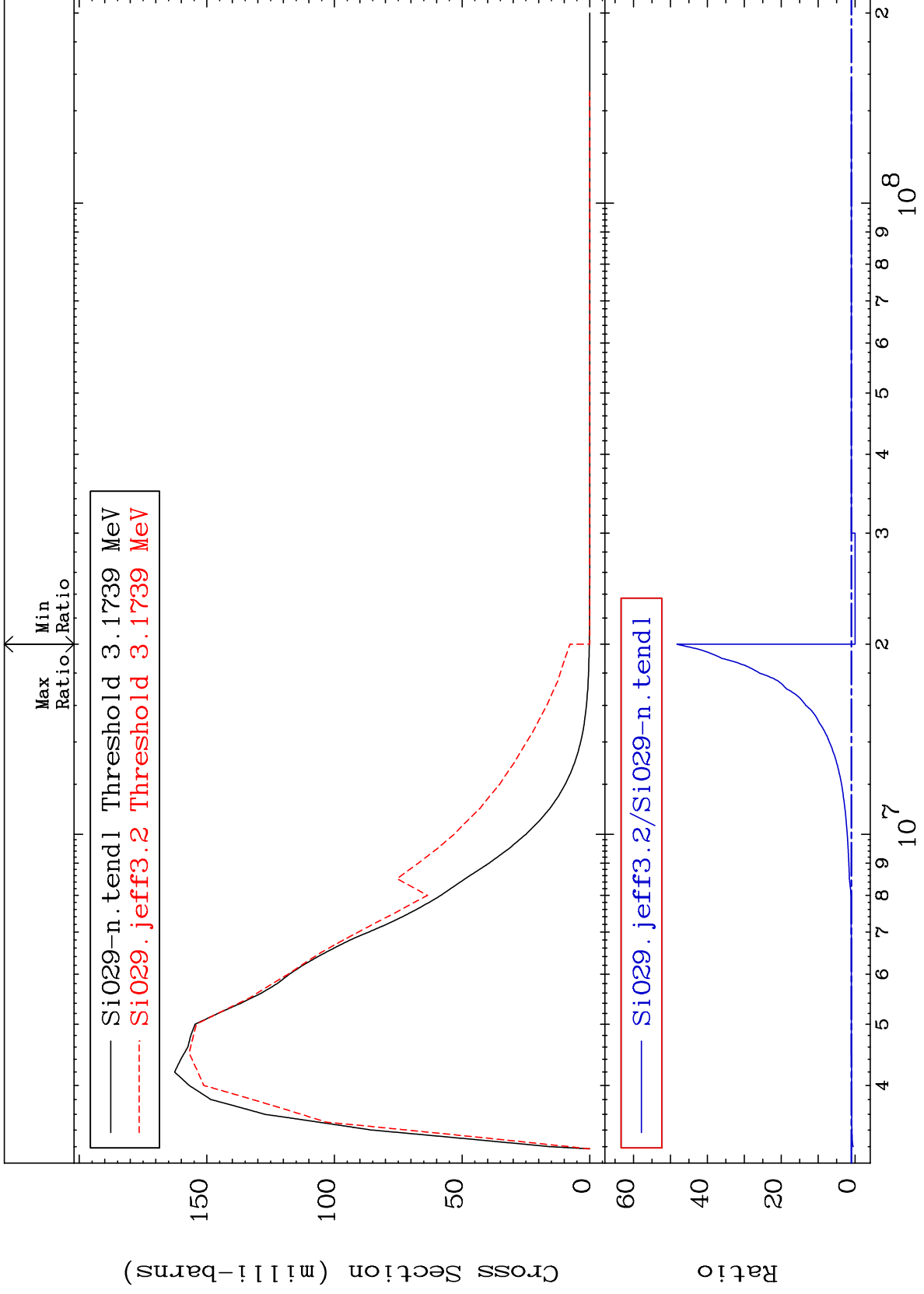
Incident Energy (eV)

14-Si-29

MAT 1428

3.067 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 4723. %



11

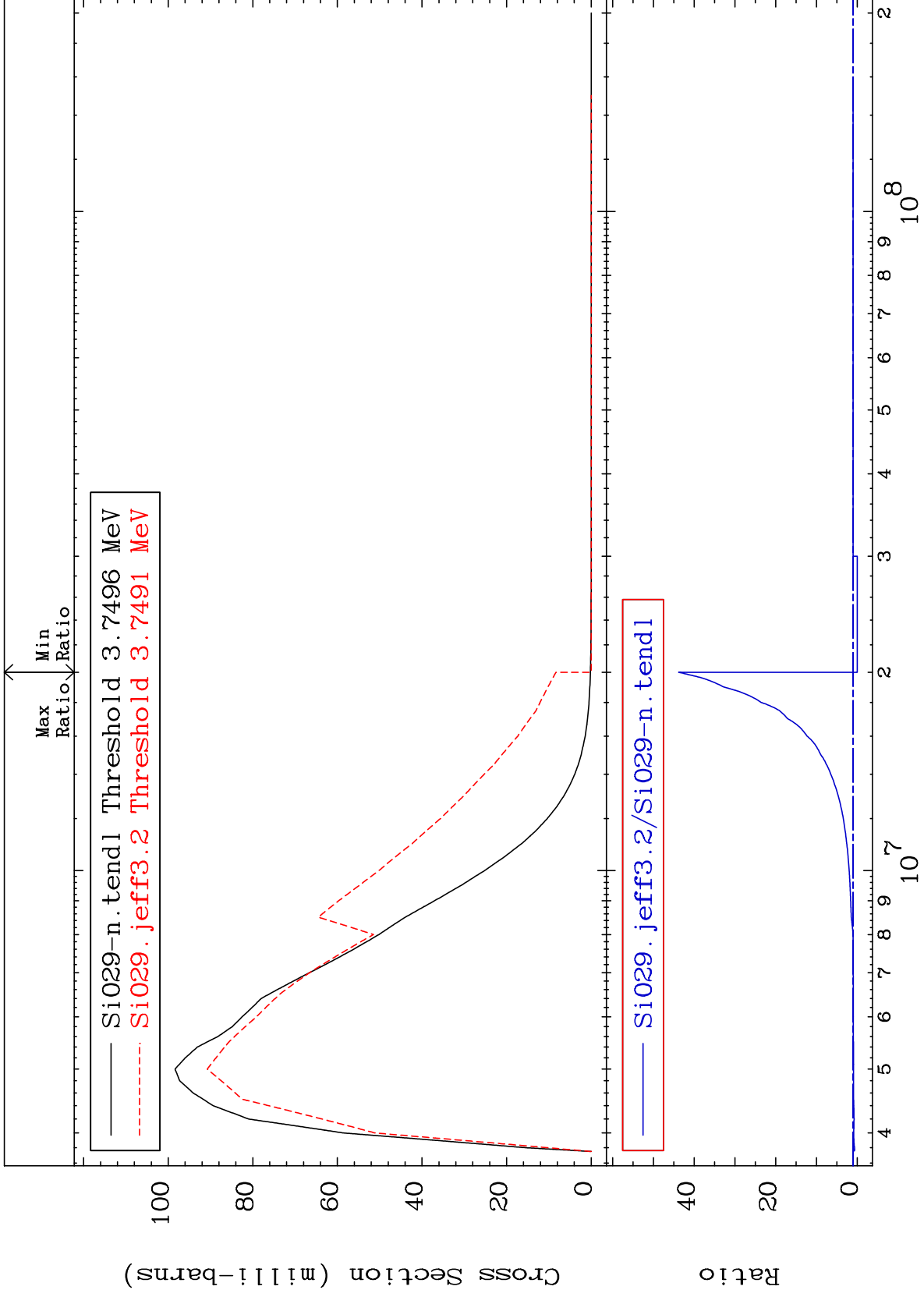
Incident Energy (eV)

14-Si-29

MAT 1428

3.623 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 4280. %



12

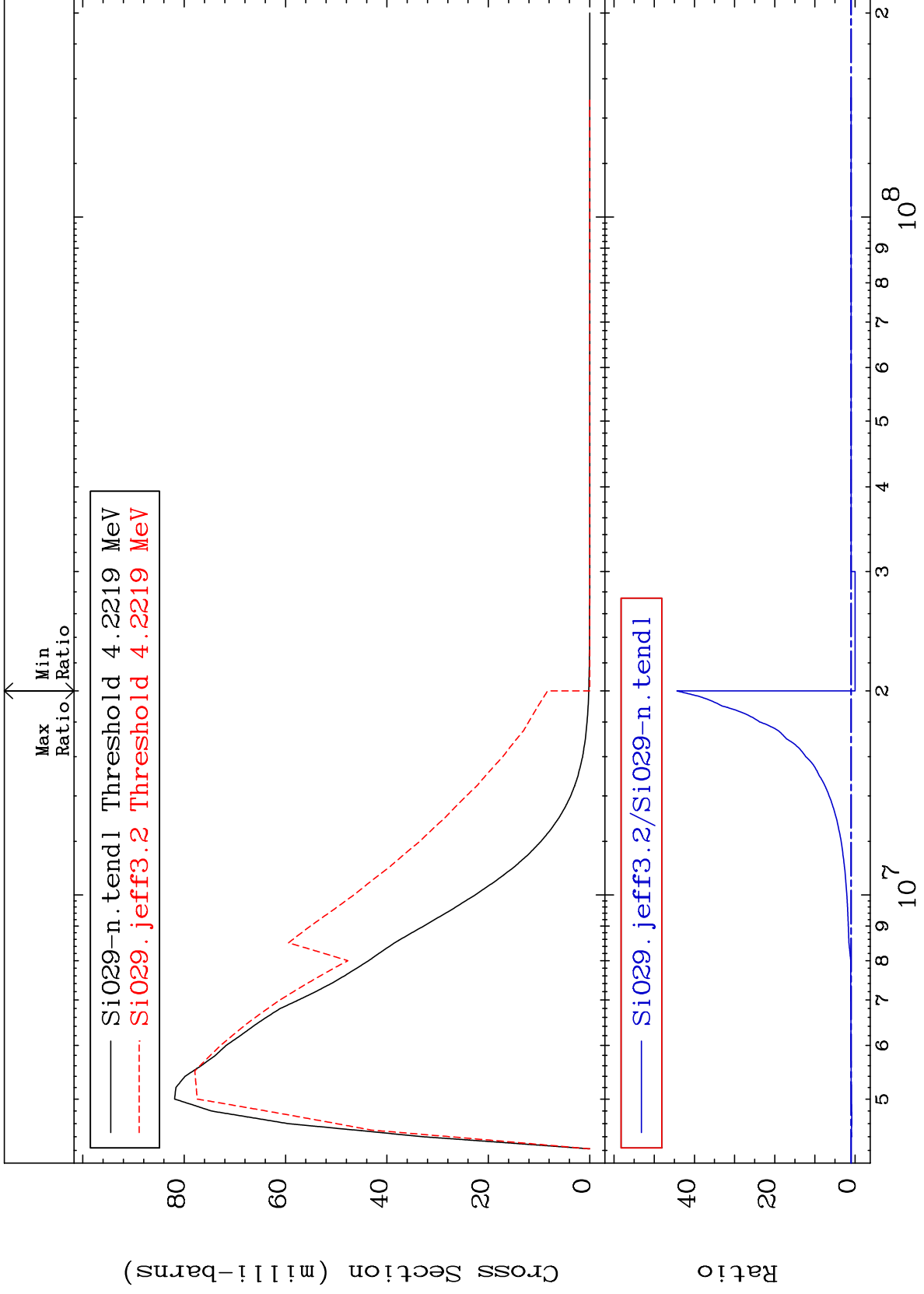
Incident Energy (eV)

14-Si-29

MAT 1428

4.080 MeV (n,n') Level
Cross Section

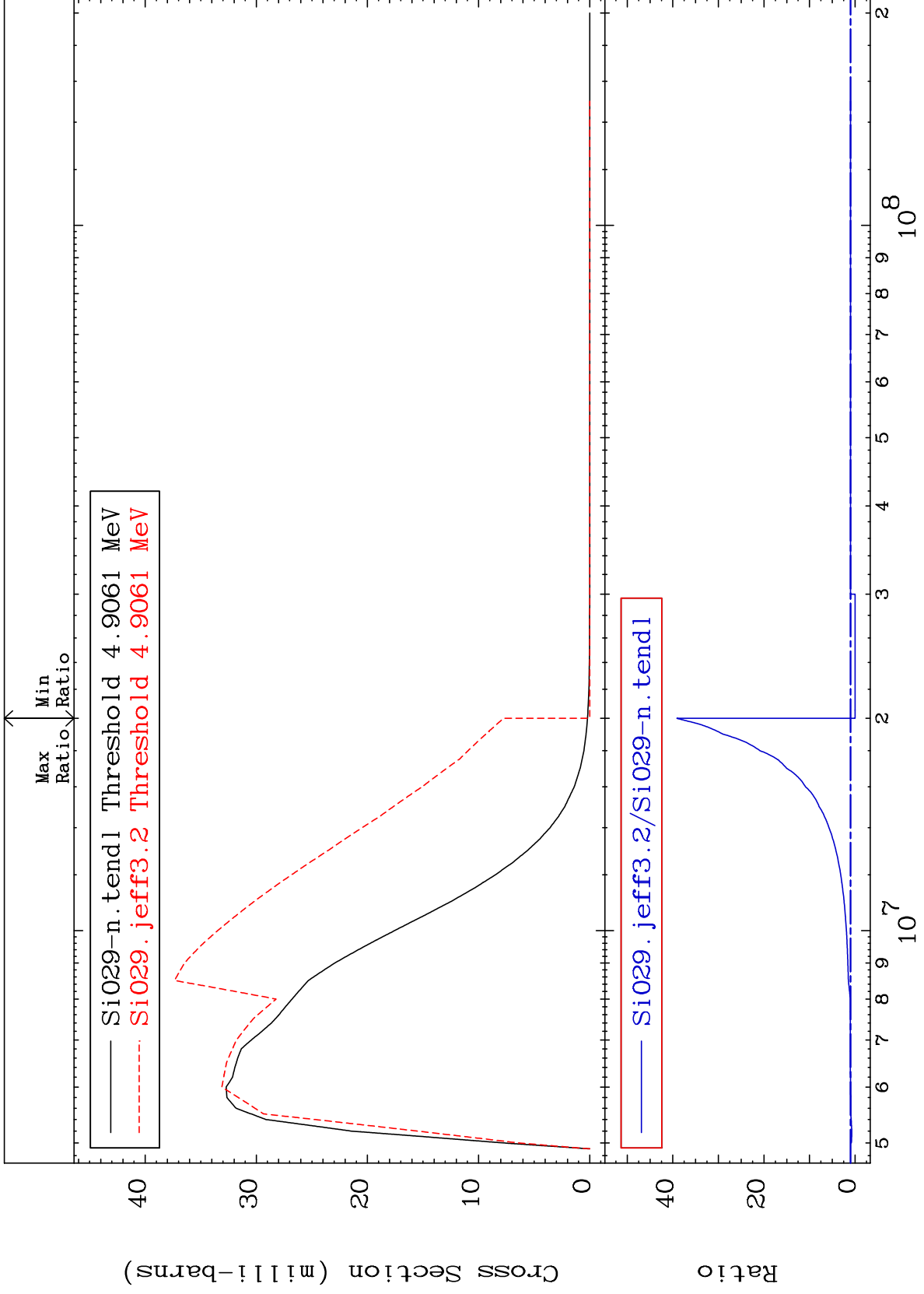
14-Si-29
-100.0 To 4336. %



MAT 1428

4.741 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 3810. %

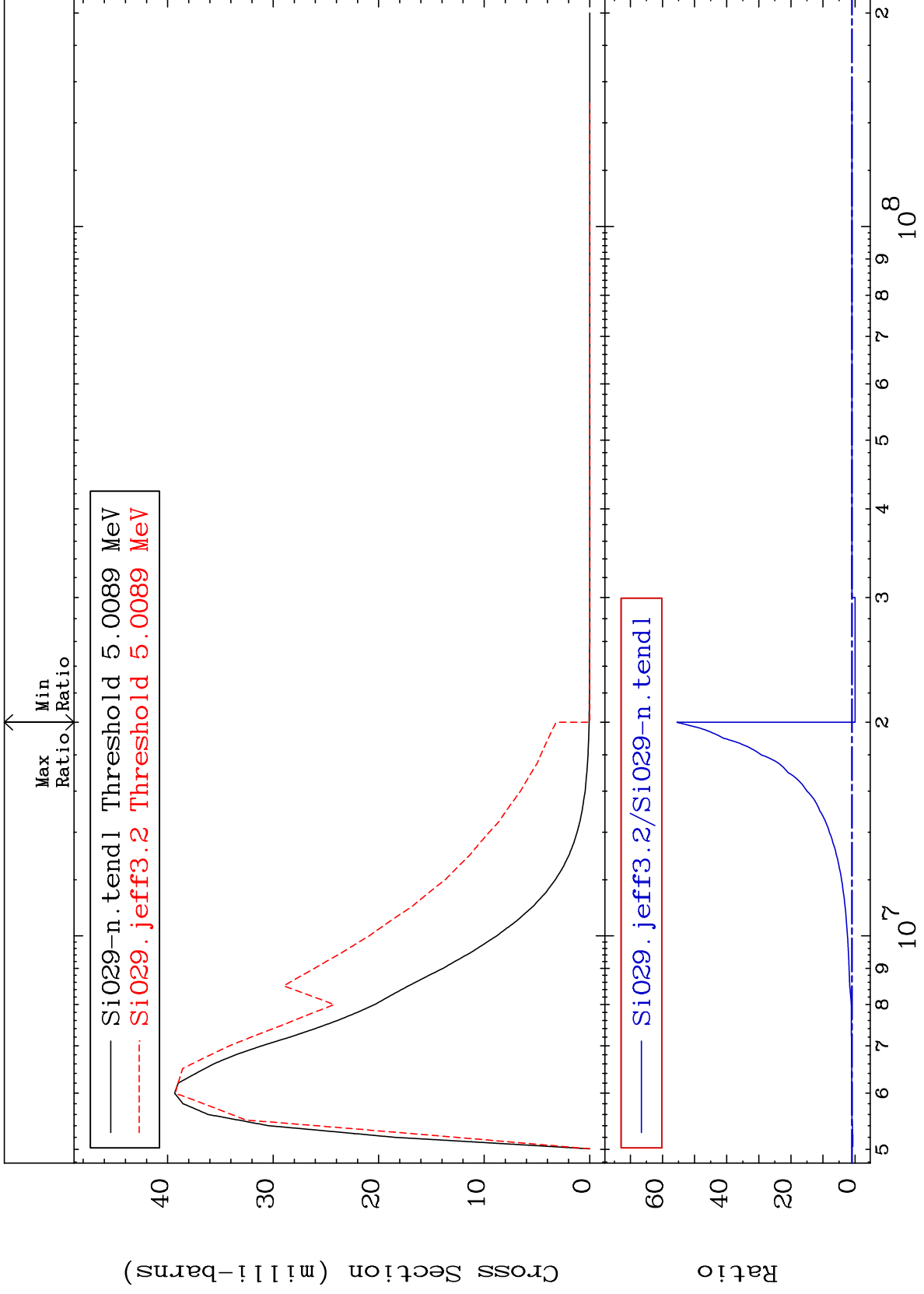


14

MAT 1428

4.840 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 5451. %



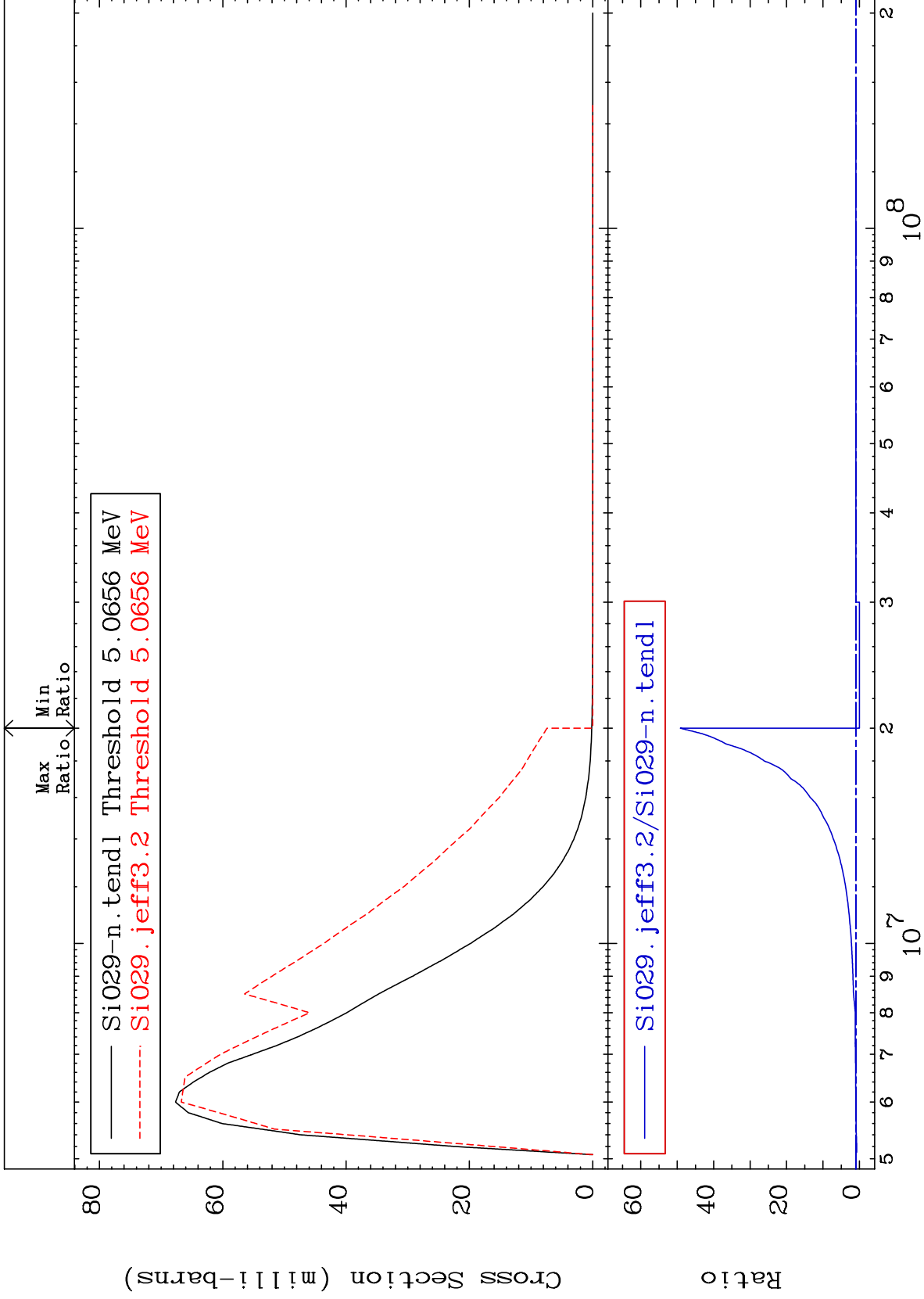
15

14-Si-29

MAT 1428

4.895 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 4814. %



16

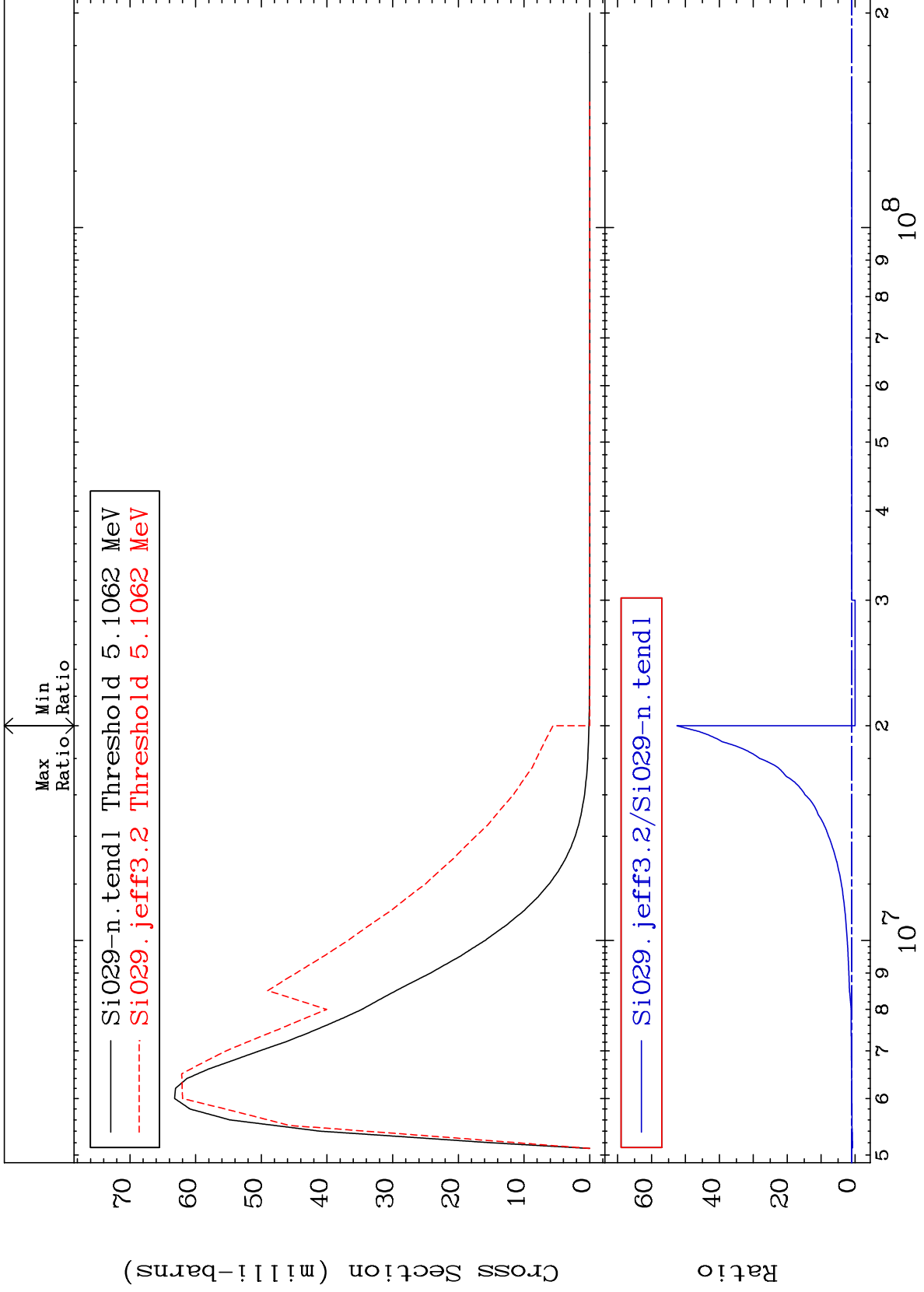
Incident Energy (eV)

14-Si-29

MAT 1428

4.934 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 5152. %



17

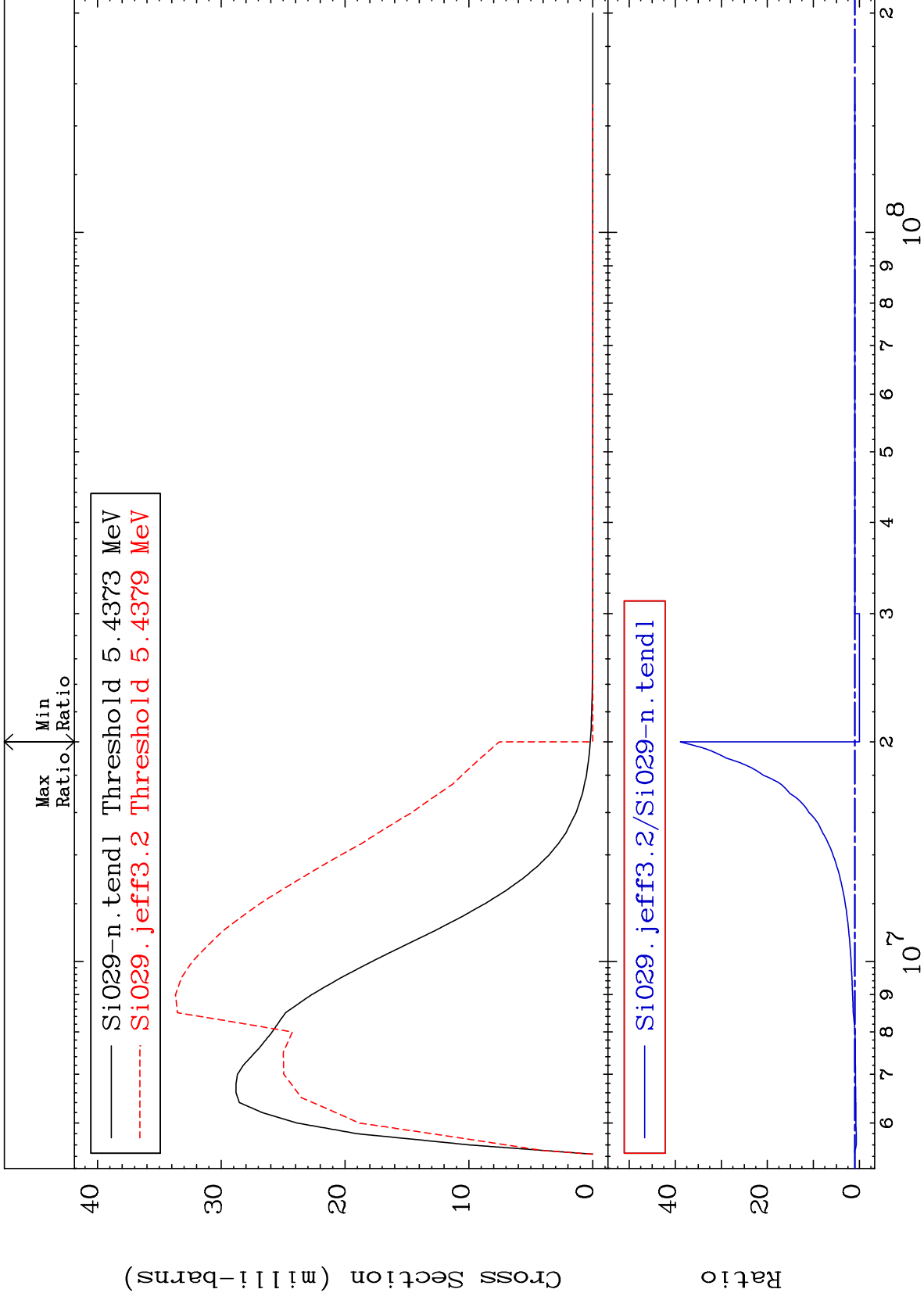
Incident Energy (eV)

14-Si-29

MAT 1428

5.254 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 3790. %



18

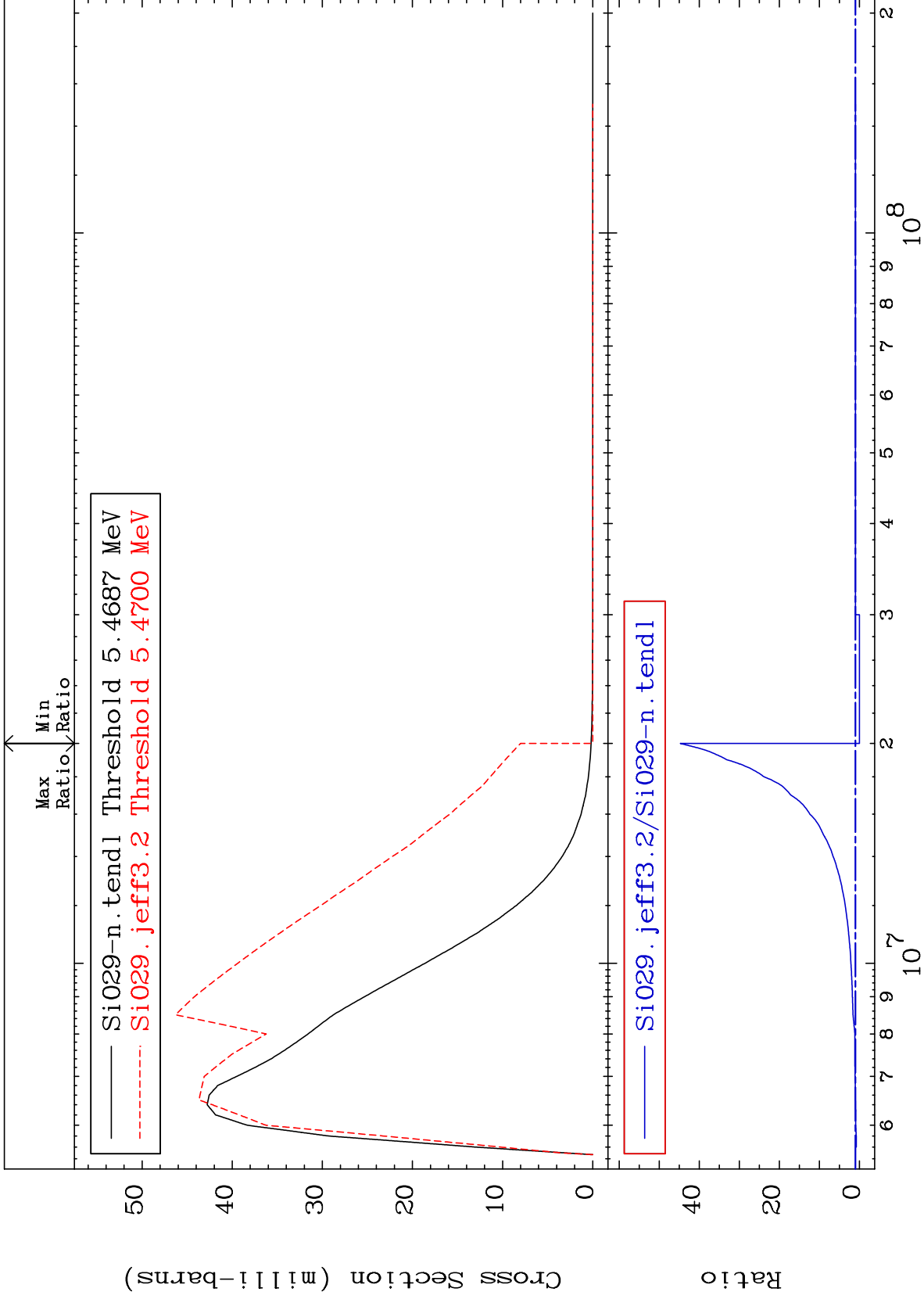
Incident Energy (eV)

14-Si-29

MAT 1428

5.285 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 4372. %



19

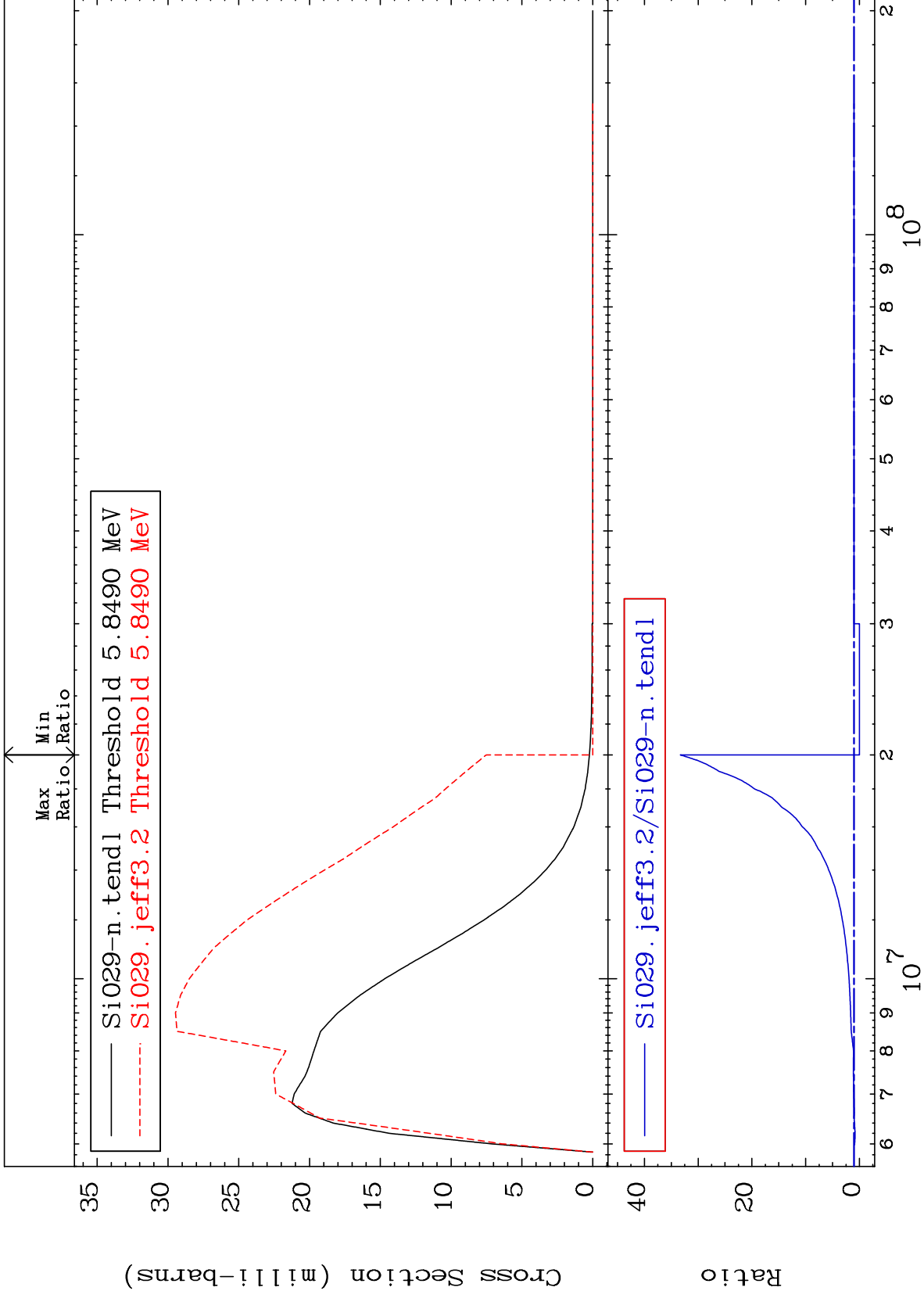
Incident Energy (eV)

14-Si-29

MAT 1428

5.652 MeV (n,n') Level
Cross Section

14-Si-29
-100.0 To 3231. %



20

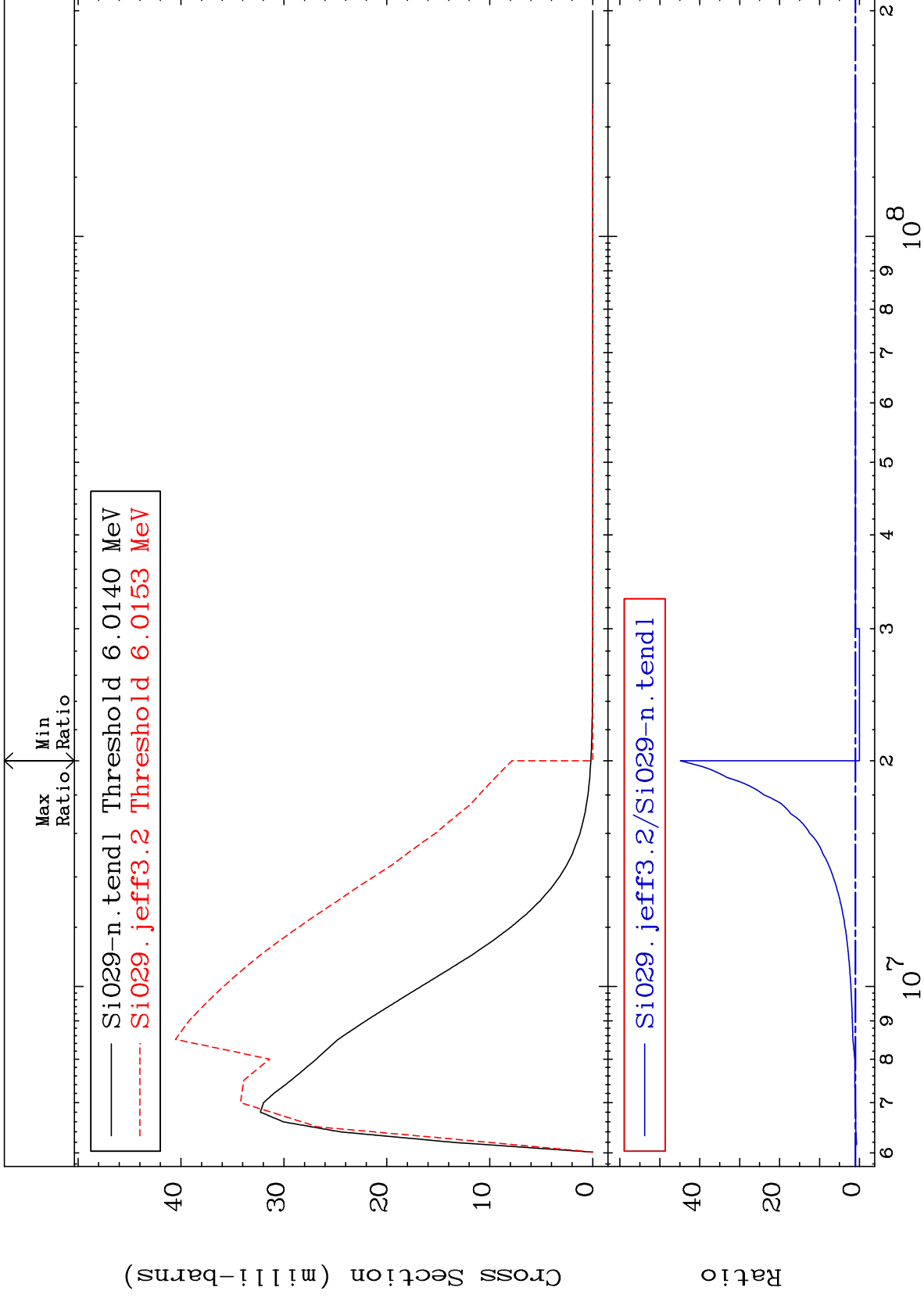
Incident Energy (eV)

14-Si-29

MAT 1428

5.812 MeV (n,n') Level
Cross Section

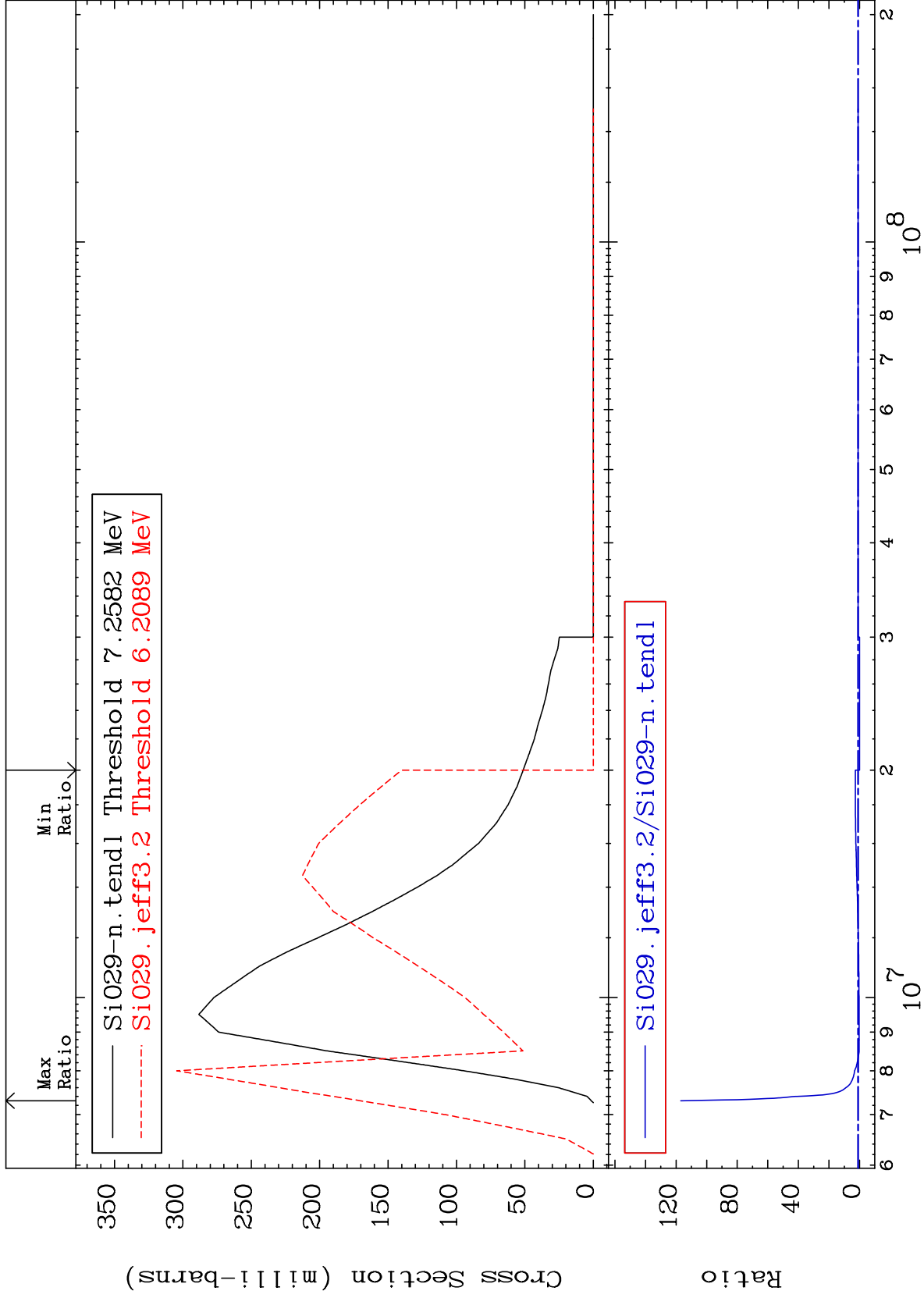
14-Si-29
-100.0 To 4386. %



MAT 1428

(n, n') Continuum
Cross Section

14-Si-29
-100.0 To 9999. %



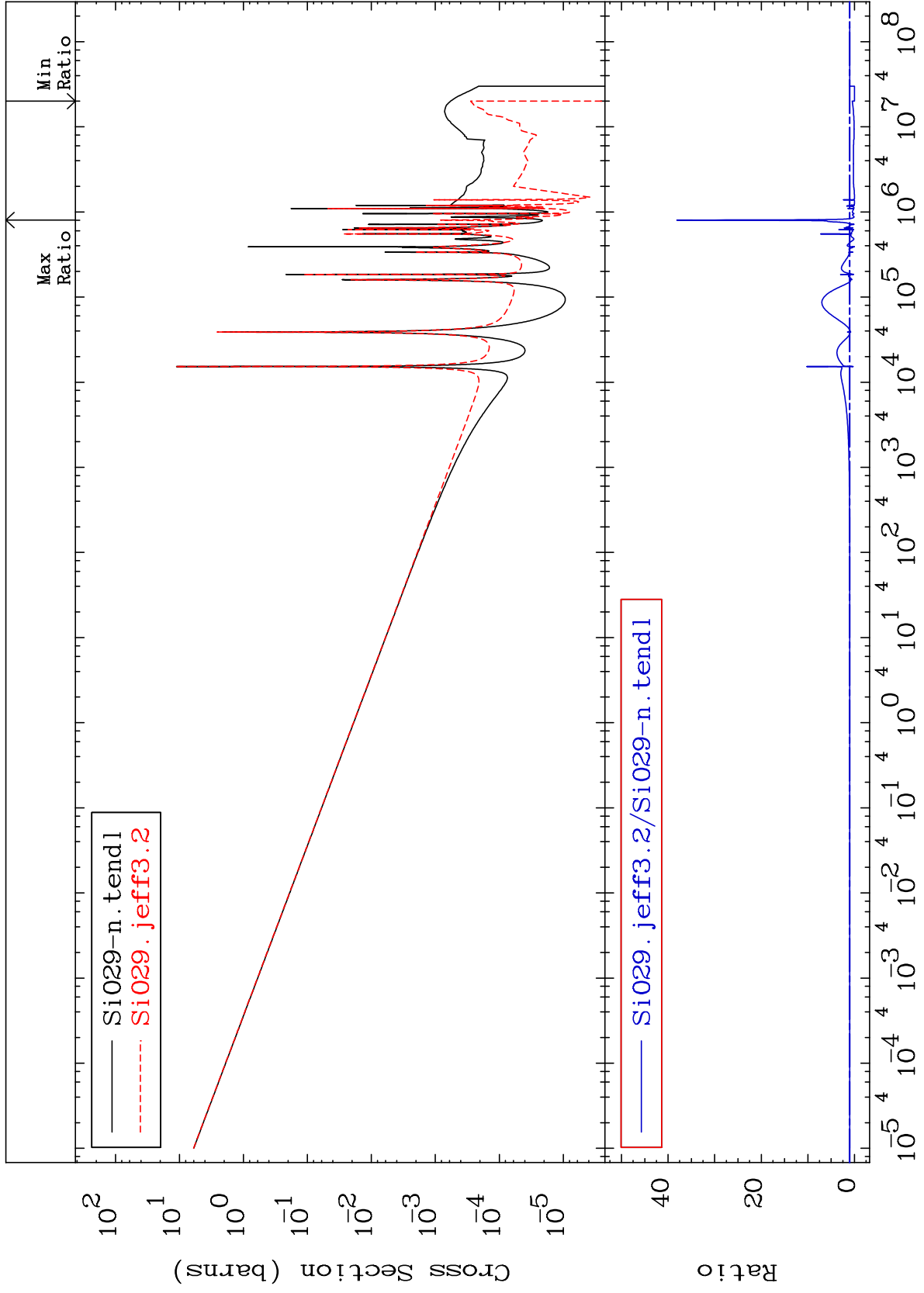
MAT 1428

(n, γ)

14-Si-29

Cross Section

-100.0 To 3713. %



23

Incident Energy (eV)

14-Si-29

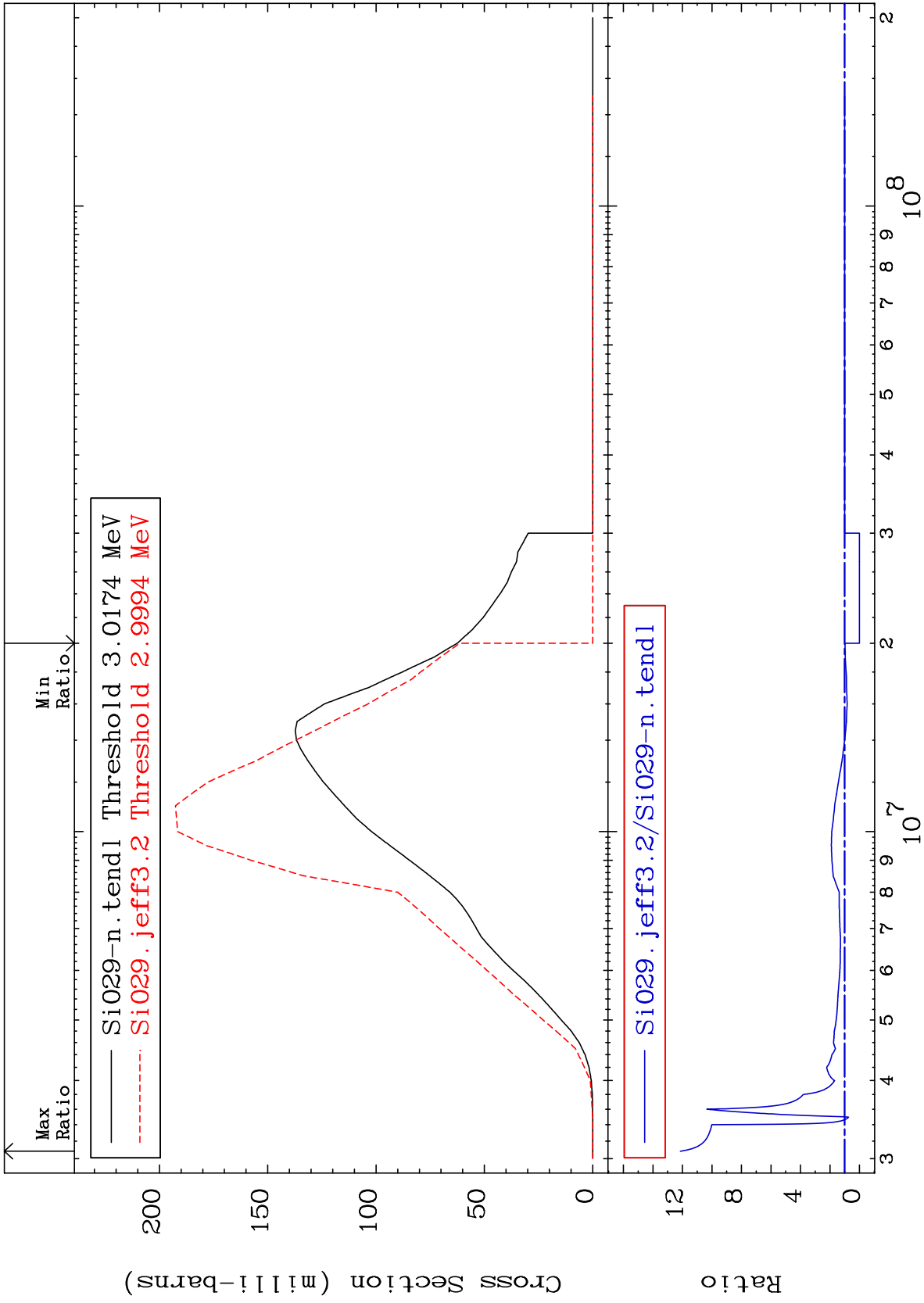
MAT 1428

(n,p)

¹⁴Si-29

Cross Section

-100.0 To 1114. %



24

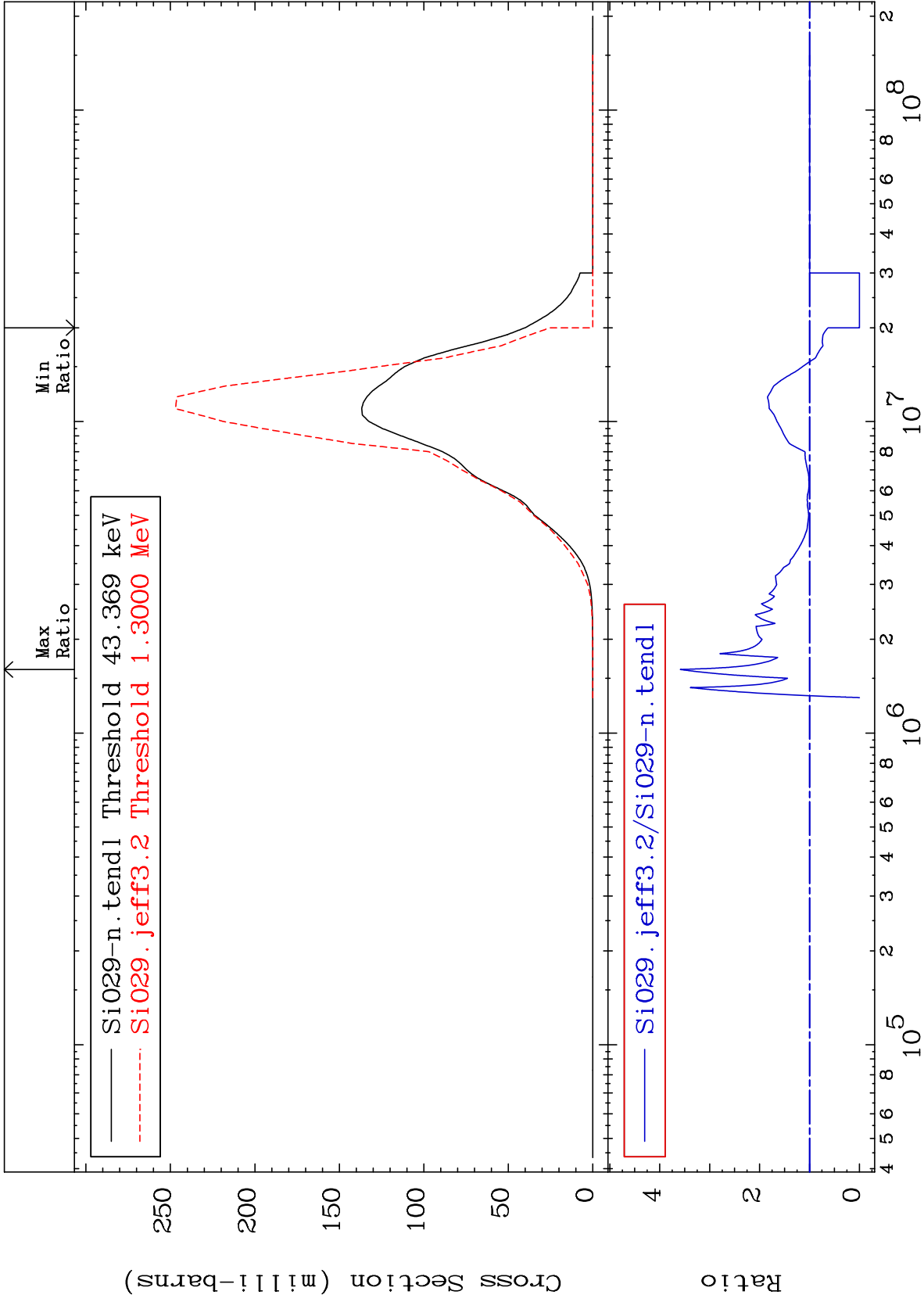
Incident Energy (eV)

¹⁴Si-29

MAT 1428

$^{14}\text{Si-29}$
-100.0 To 258.7 %

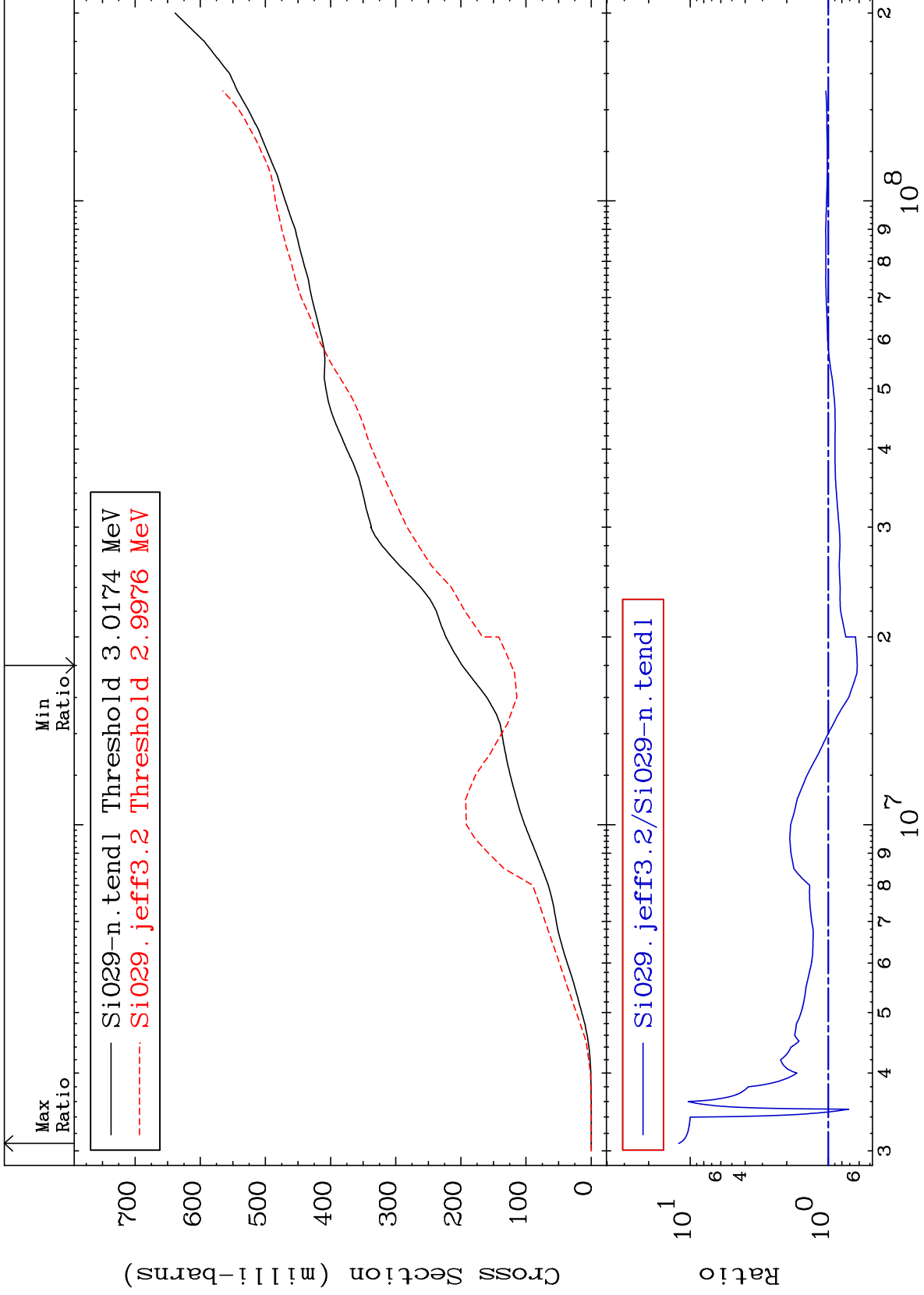
(n, α)
Cross Section



MAT 1428

Hydrogen Production
Cross Section

14-Si-29
-38.20 To 1114. %



26

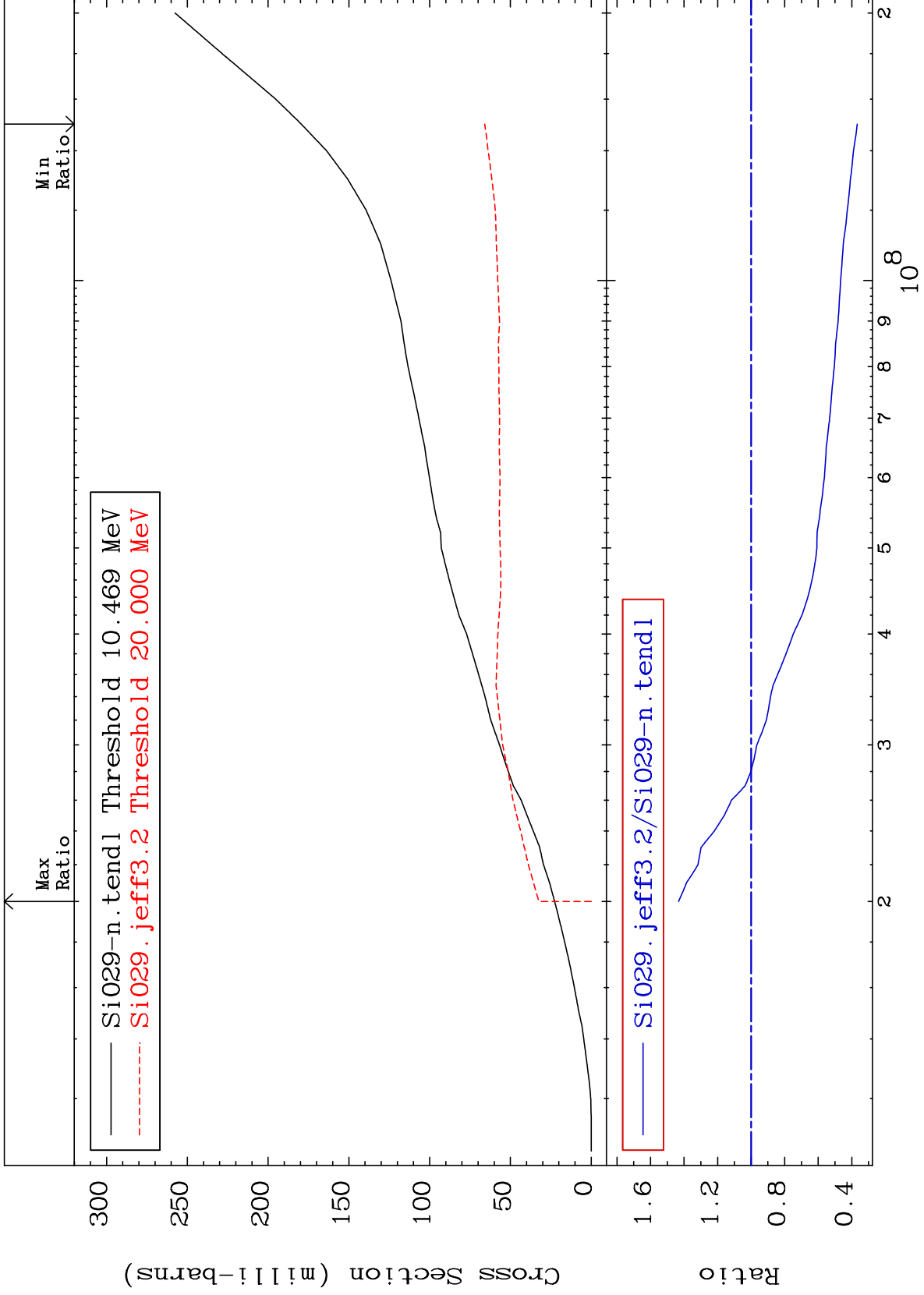
Incident Energy (eV)

14-Si-29

MAT 1428

Deuterium Production
Cross Section

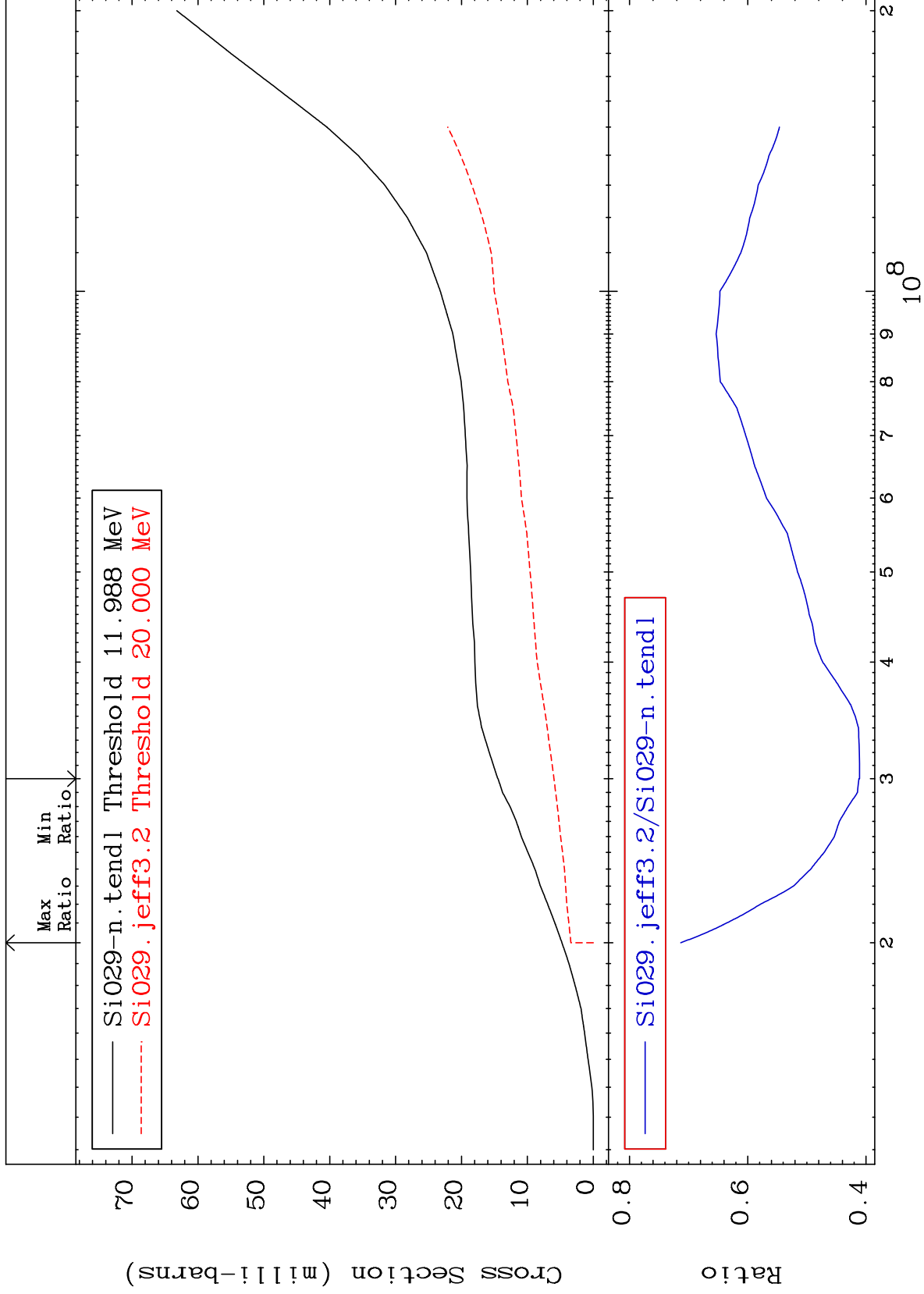
14-Si-29
-63.28 To 43.23 %



MAT 1428

Tritium Production
Cross Section

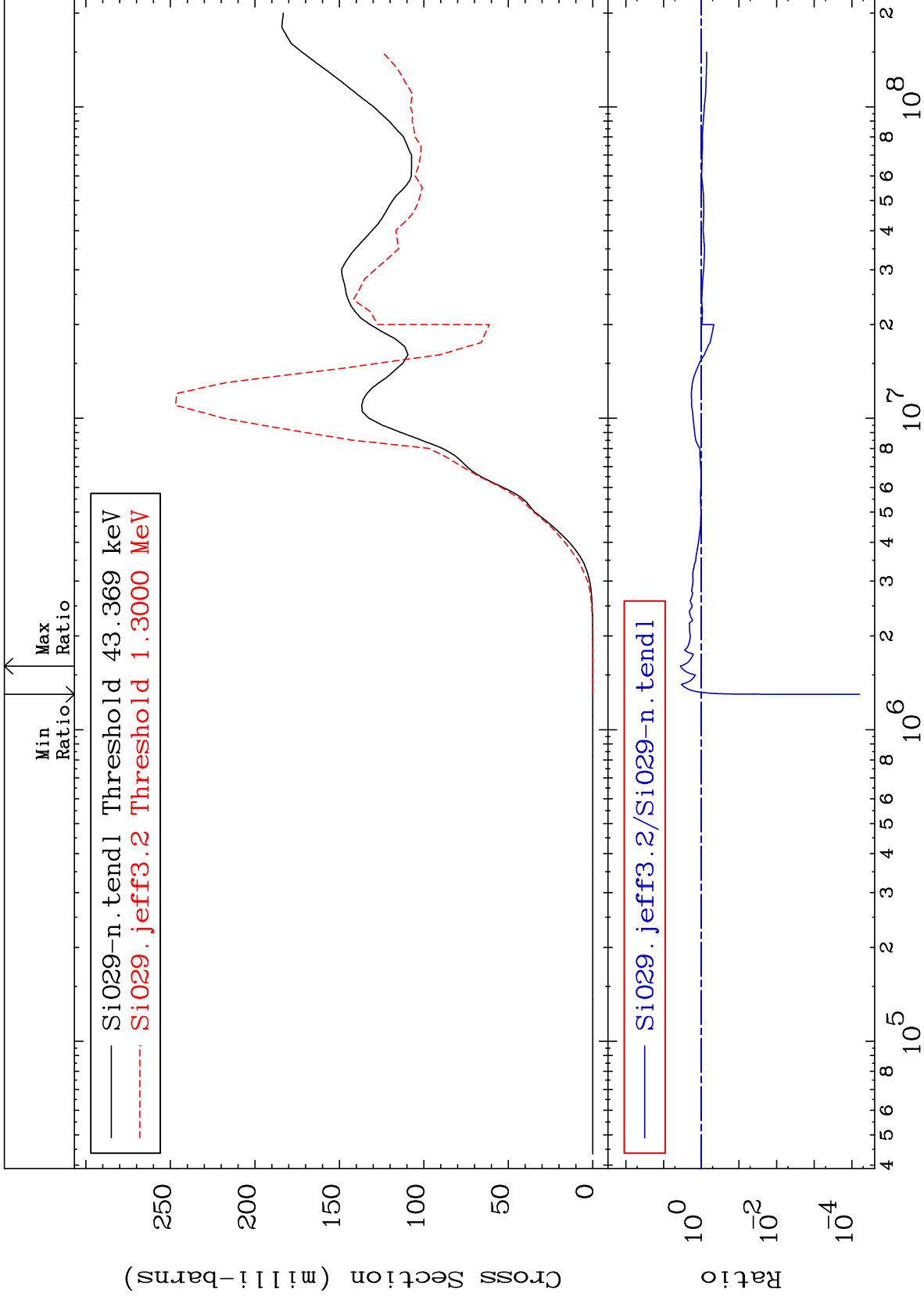
14-Si-29
-58.90 To -28.68%

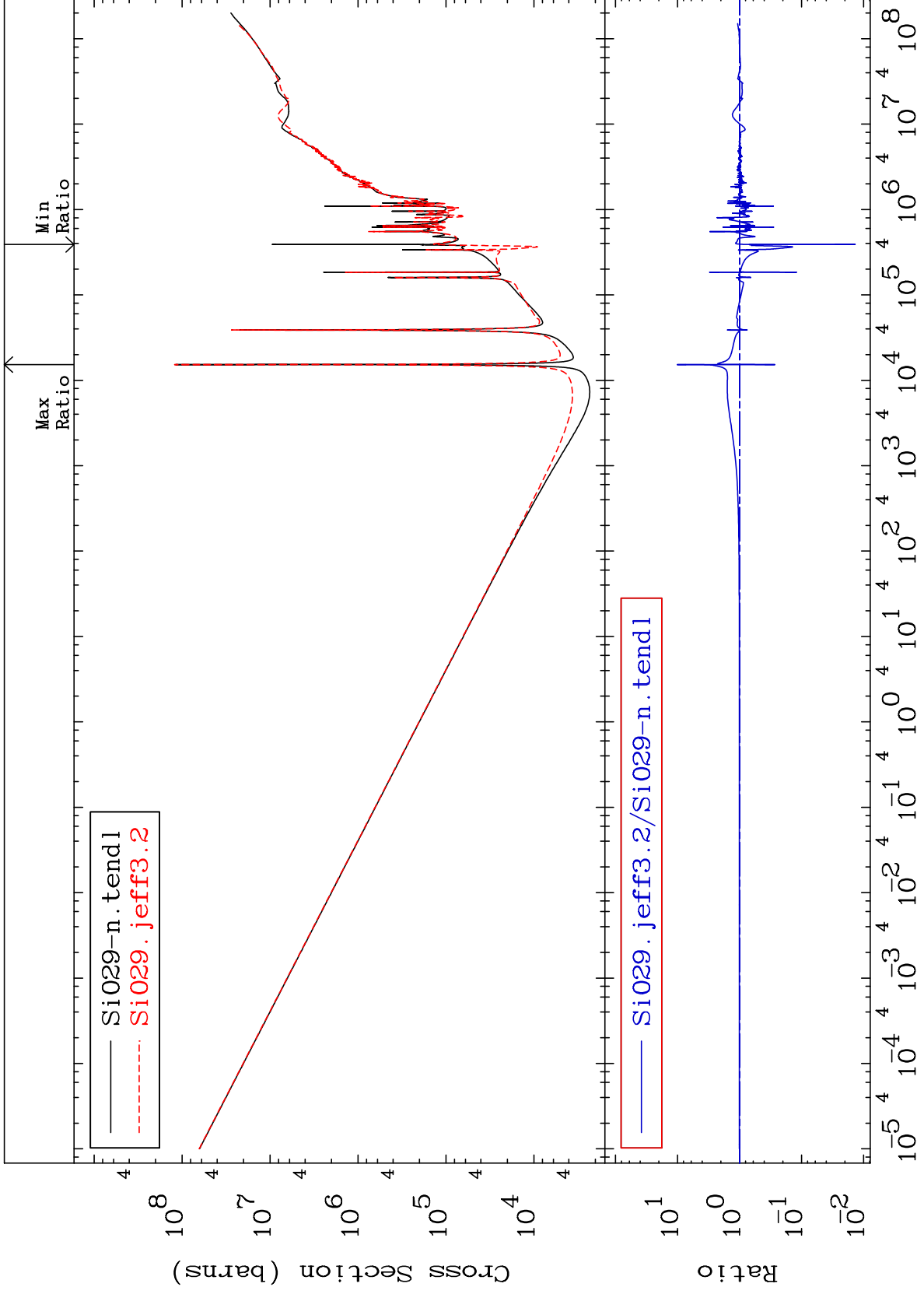


28

Incident Energy (eV)

14-Si-29

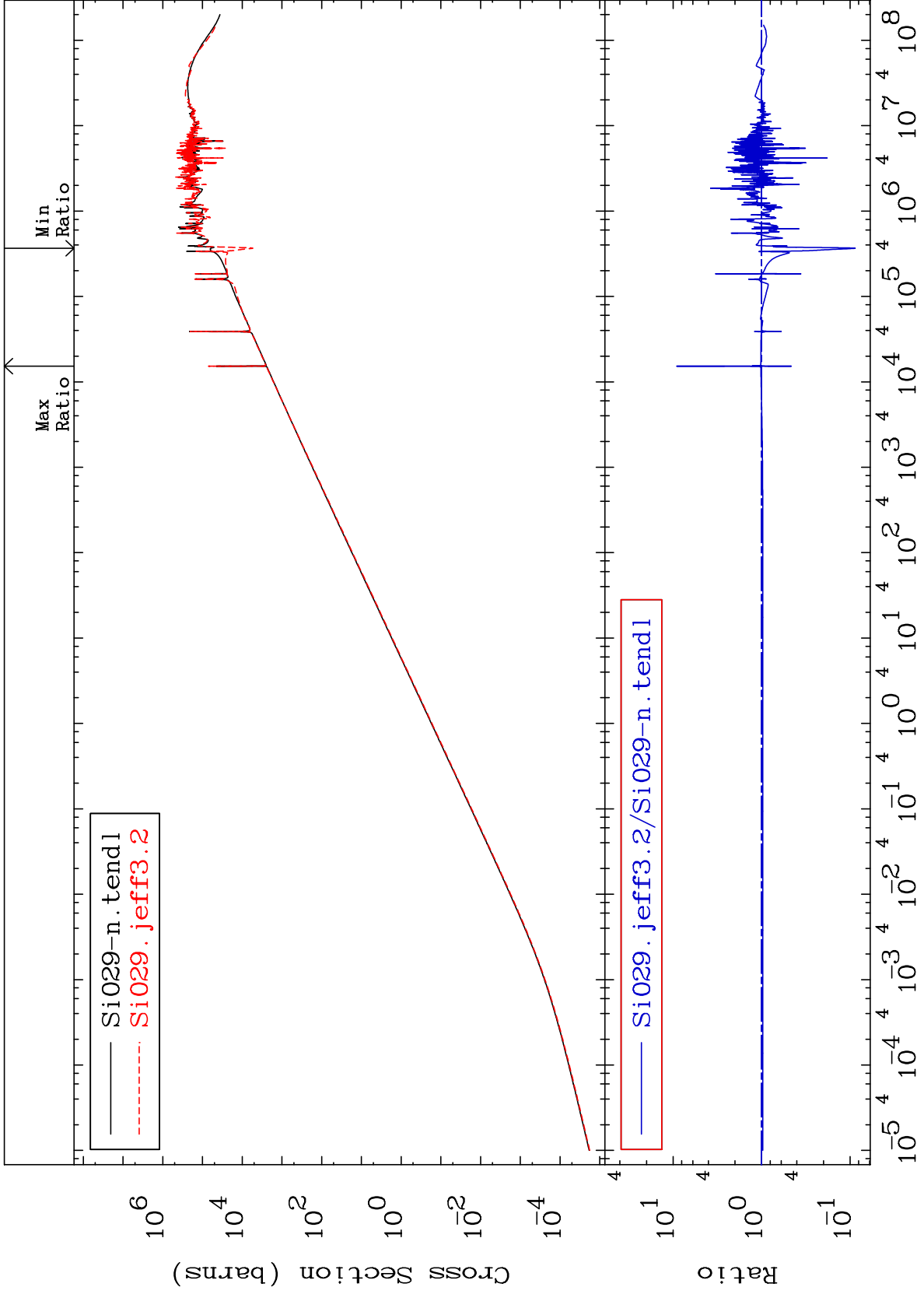




MAT 1428

Kerma elastic
Cross Section

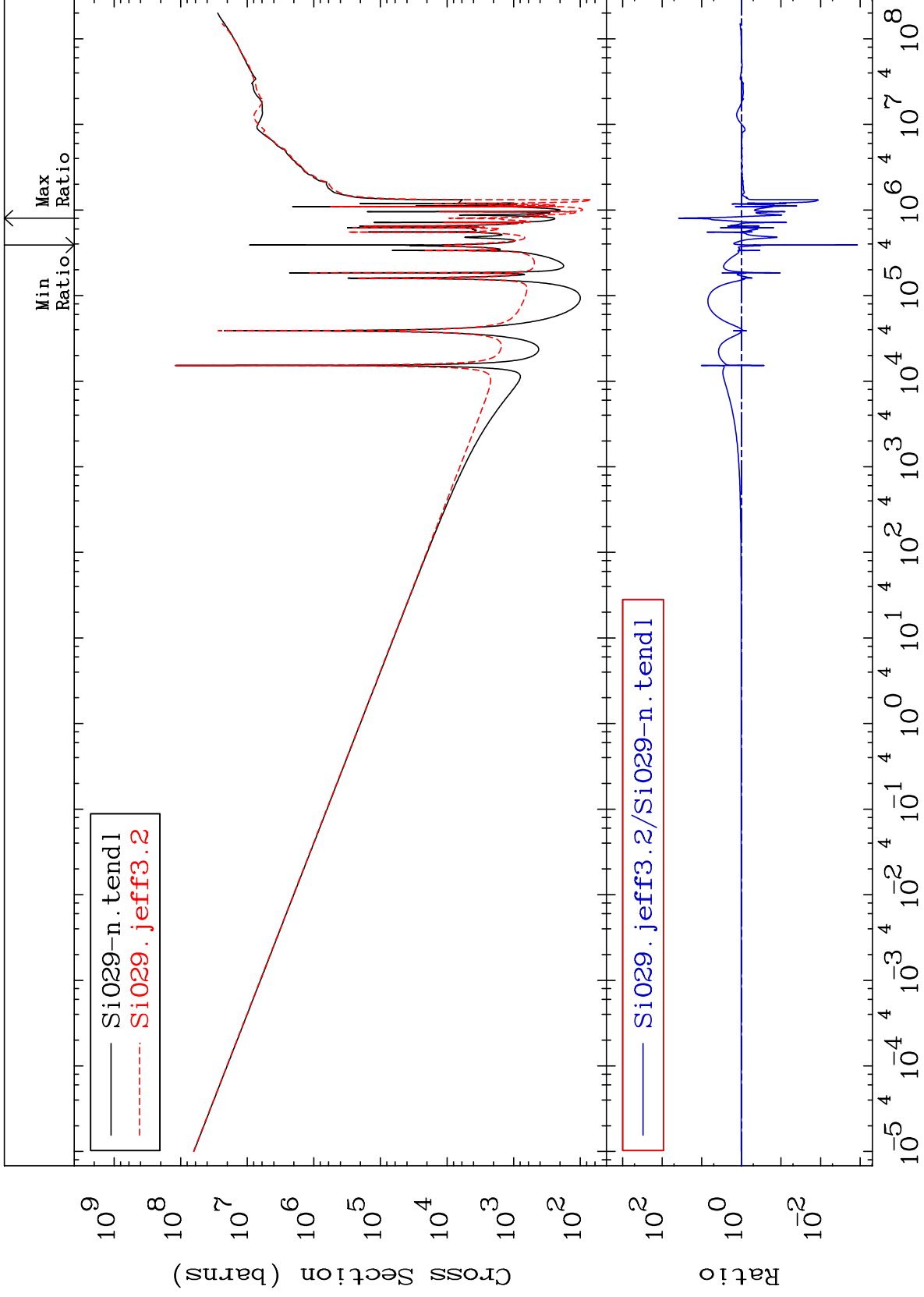
14-Si-29
-91.22 To 806.6 %

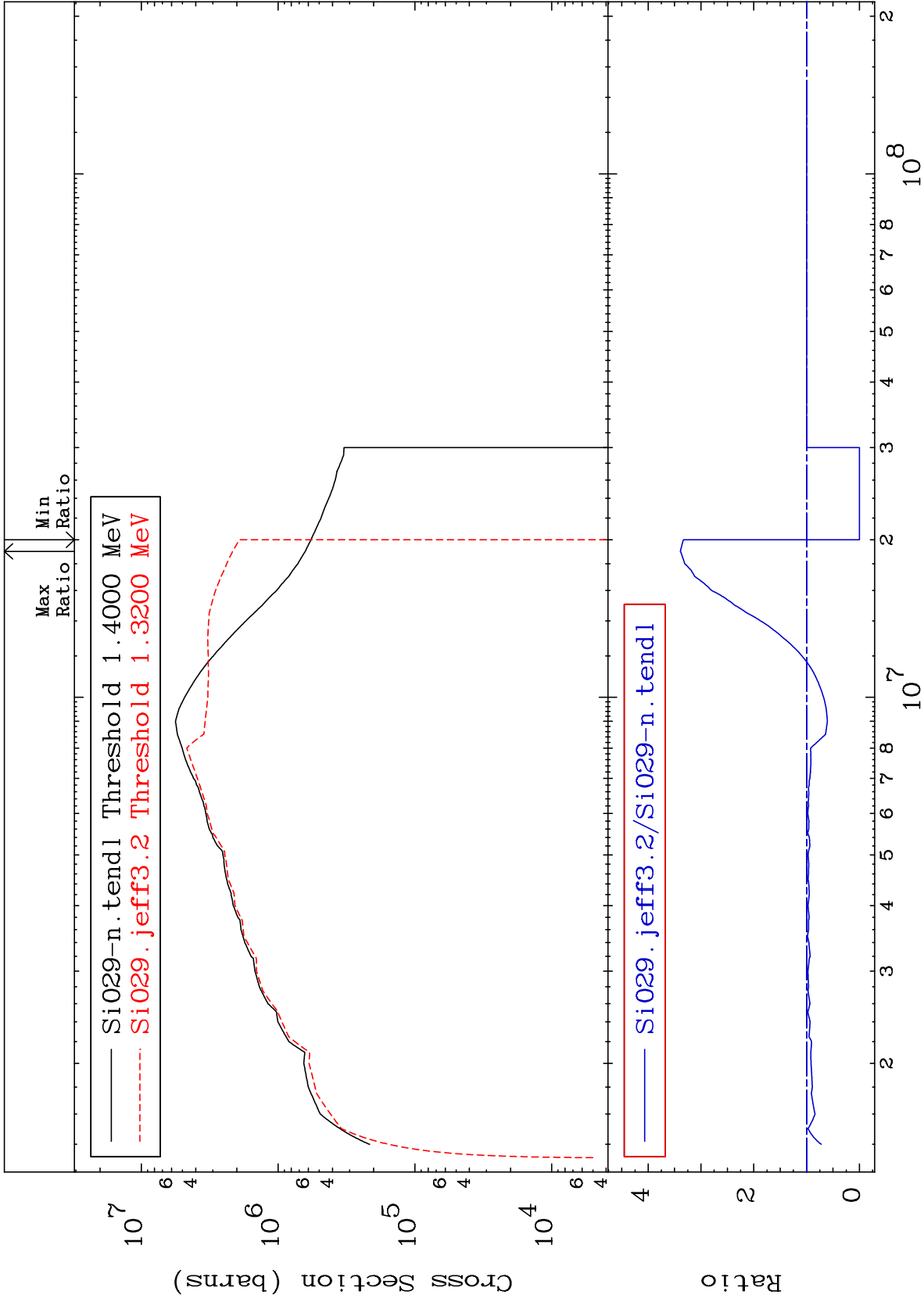


MAT 1428

Kerma non-elastic (all but mt2)
Cross Section

14-Si-29
-99.88 To 3734. %

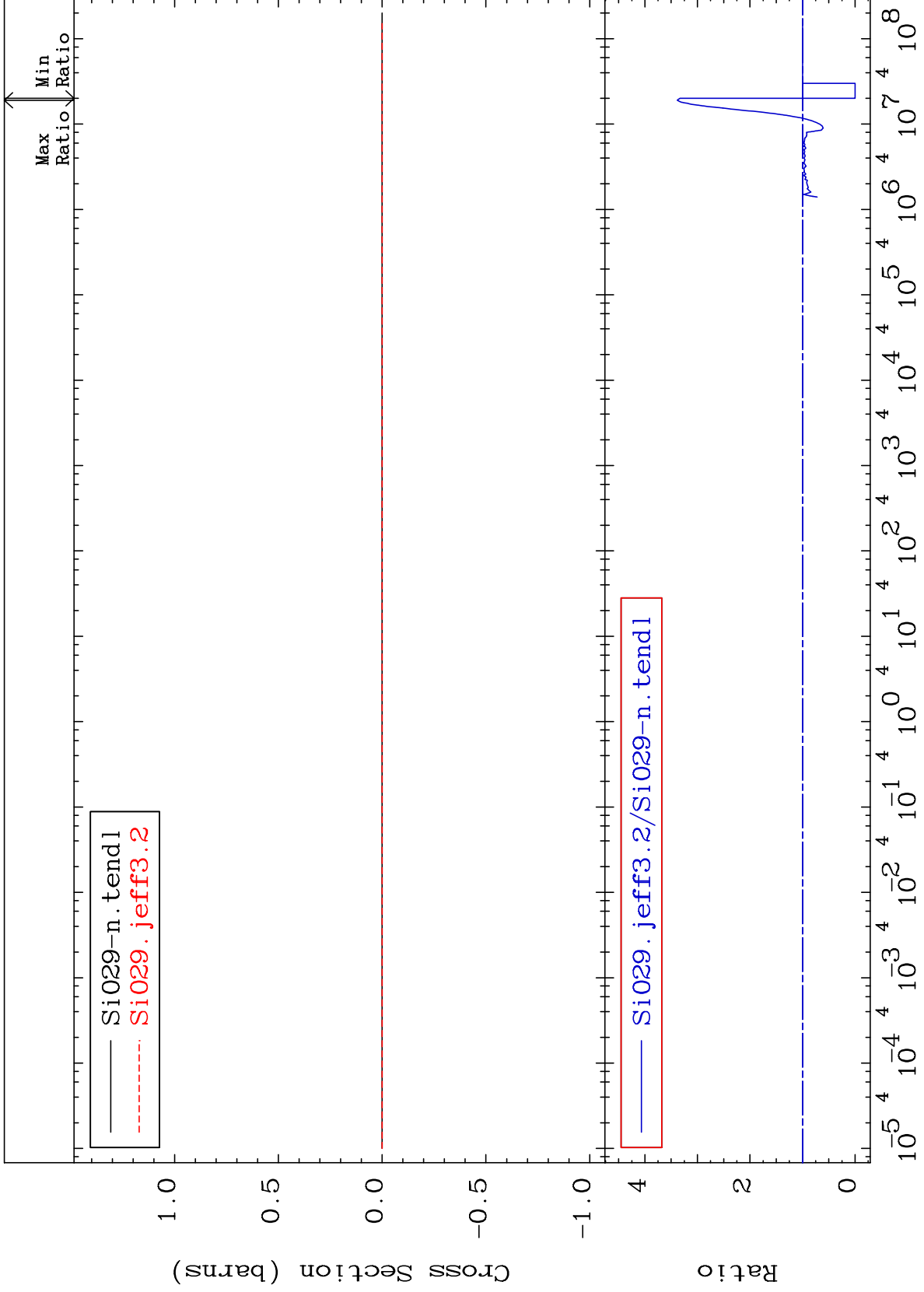




MAT 1428

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

14-Si-29
-100.0 To 239.0 %



34

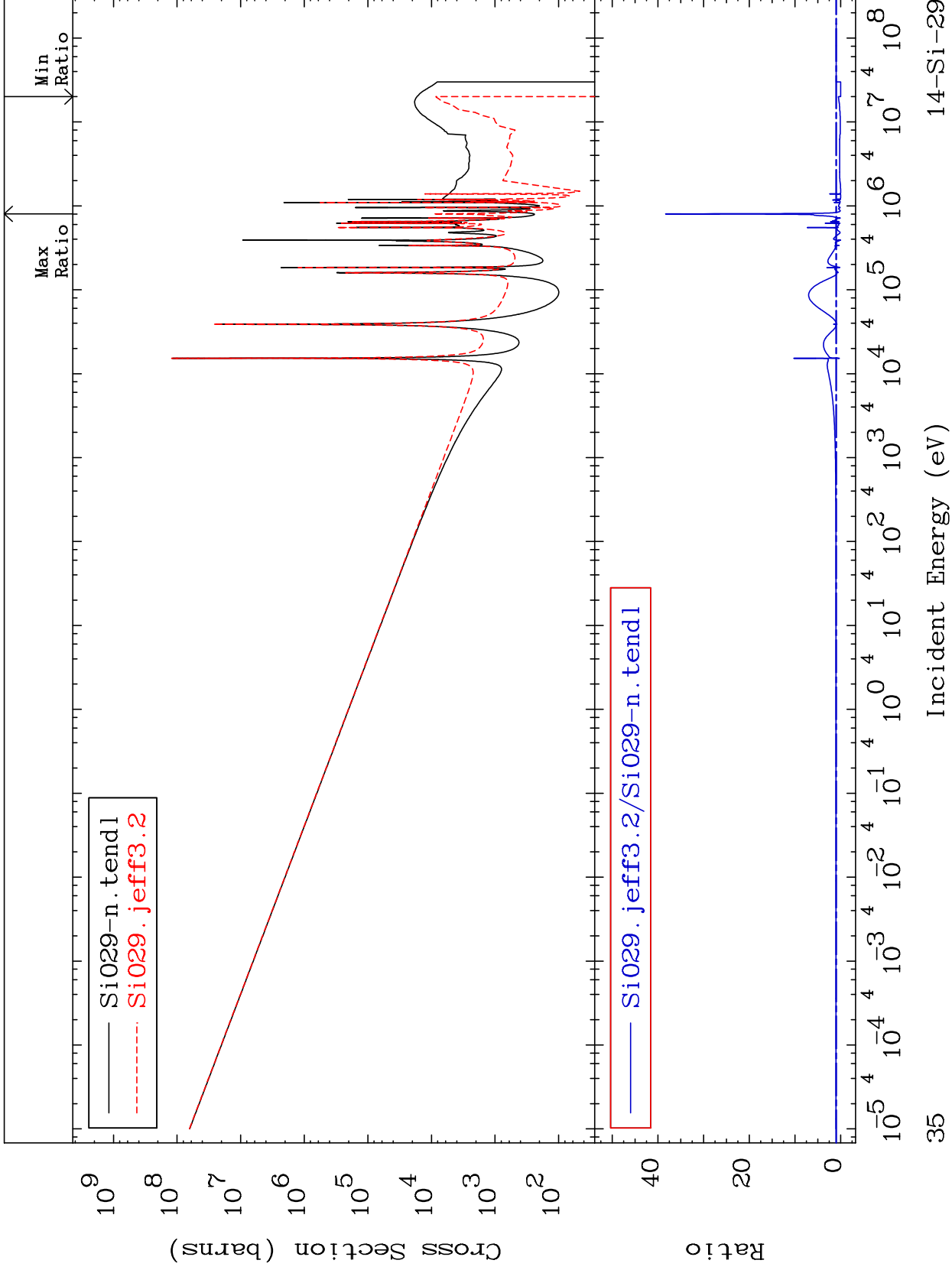
Incident Energy (eV)

14-Si-29

MAT 1428

Kerma capture (mt102)
Cross Section

14-Si-29
-100.0 To 3734. %



35

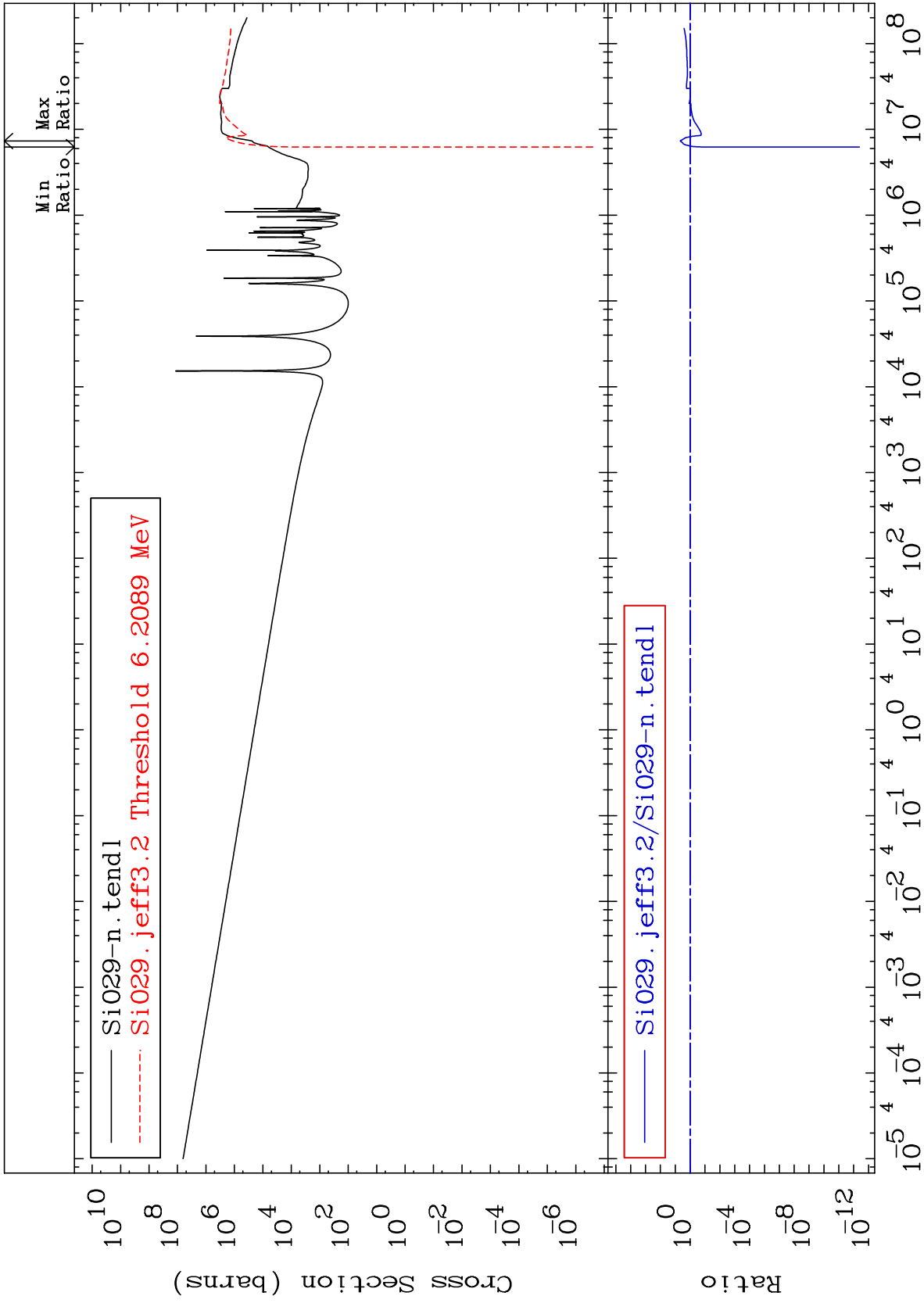
Incident Energy (eV)

14-Si-29

MAT 1428

Total photon (eV-barns)
Cross Section

14-Si-29
-100.0 To 353.8 %

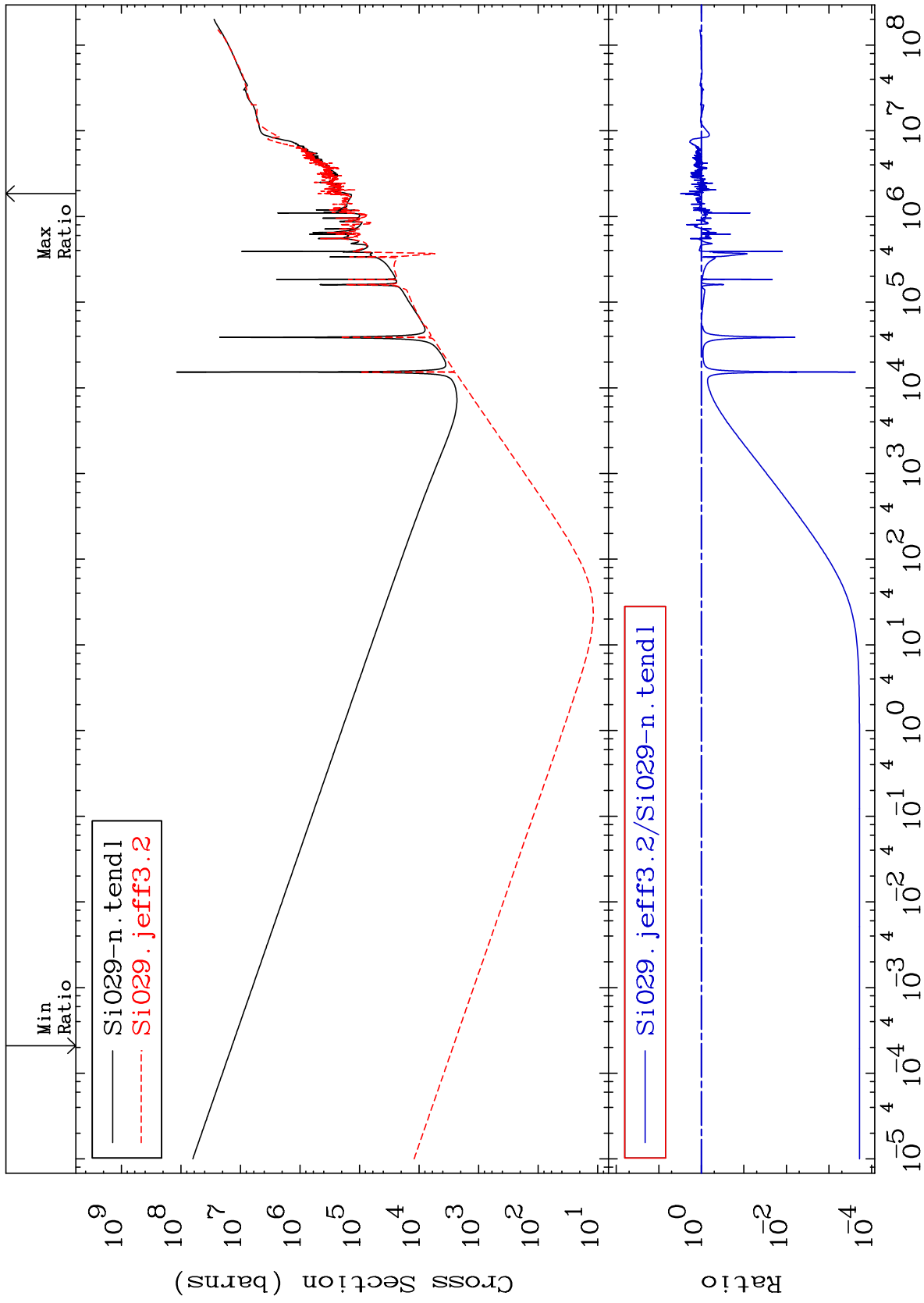


36

Incident Energy (eV)

14-Si-29

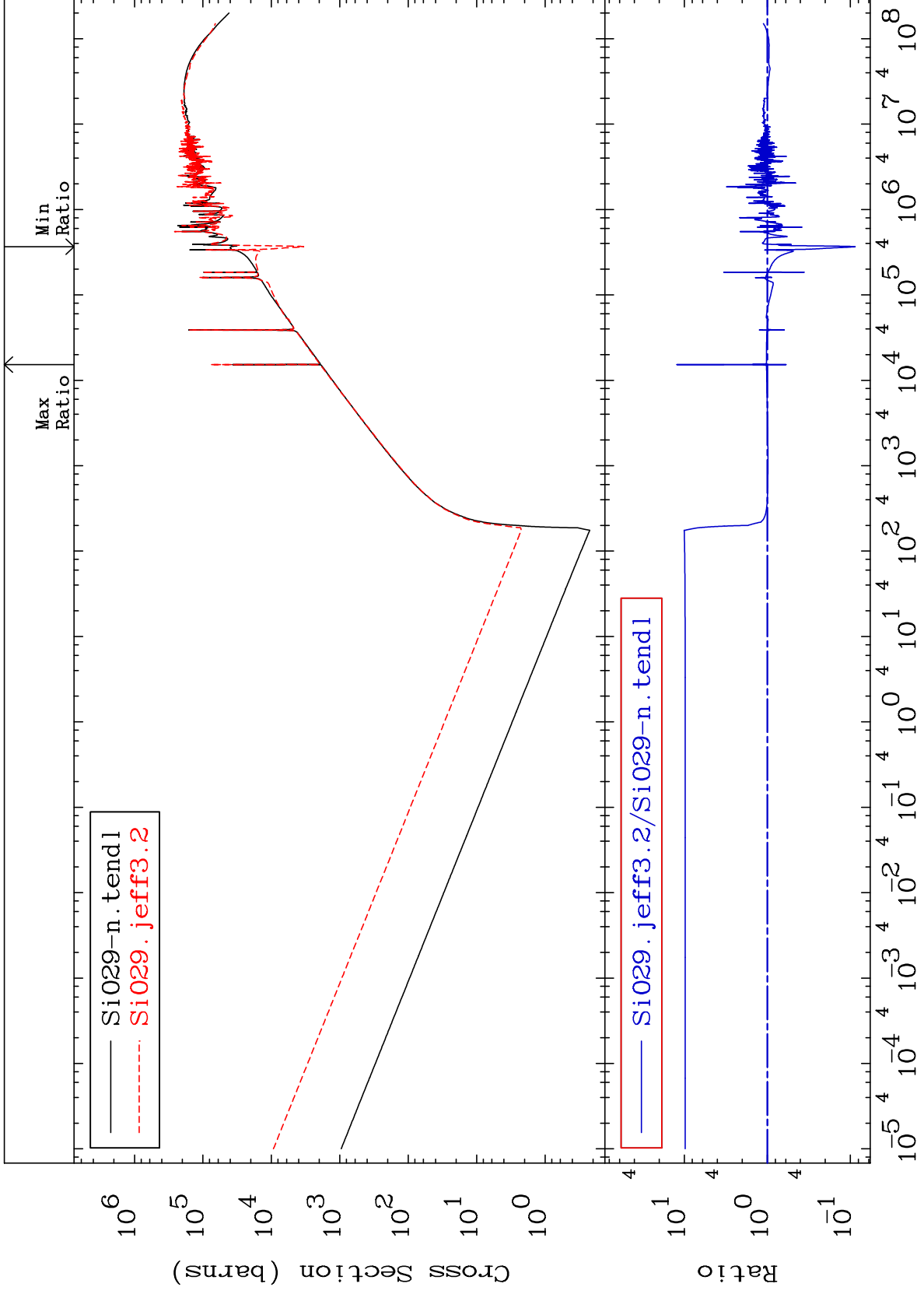
MAT 1428 Total kinematic kerma (high limit) Cross Section -99.98 To 204.3 % 14-Si-29



MAT 1428

Dpa total (eV-barns)
Cross Section

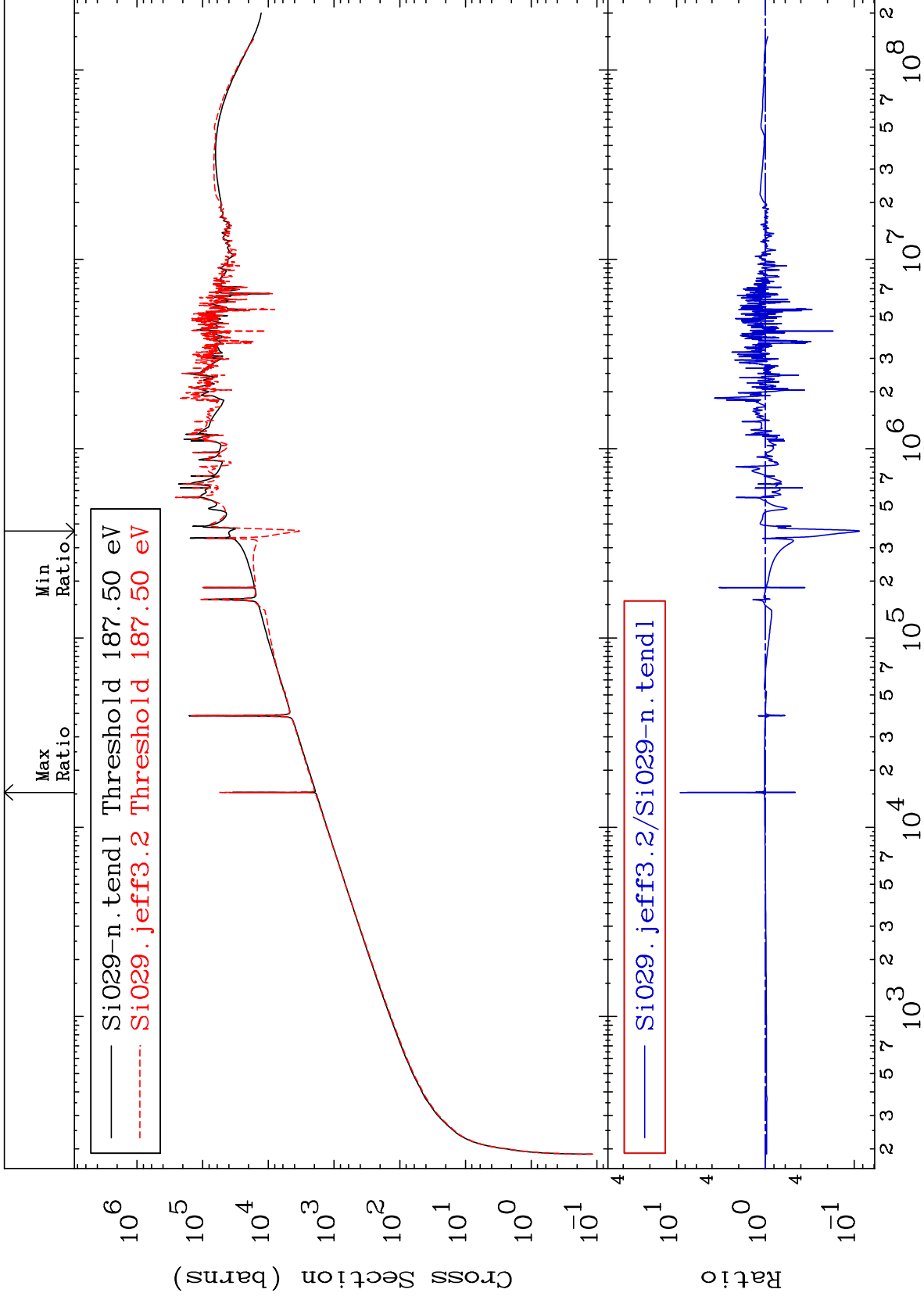
14-Si-29
-91.25 To 1126. %

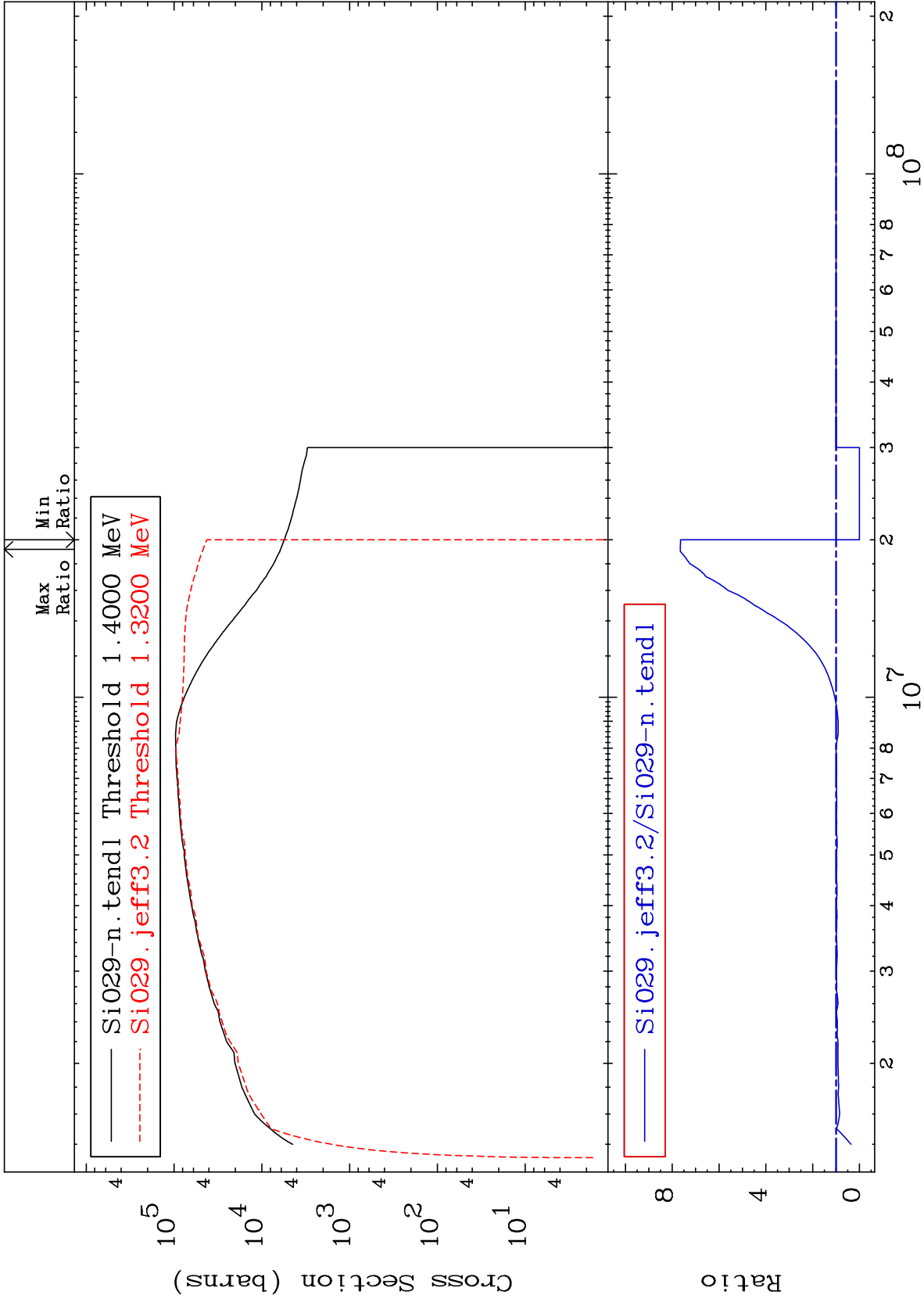


38

Incident Energy (eV)

14-Si-29

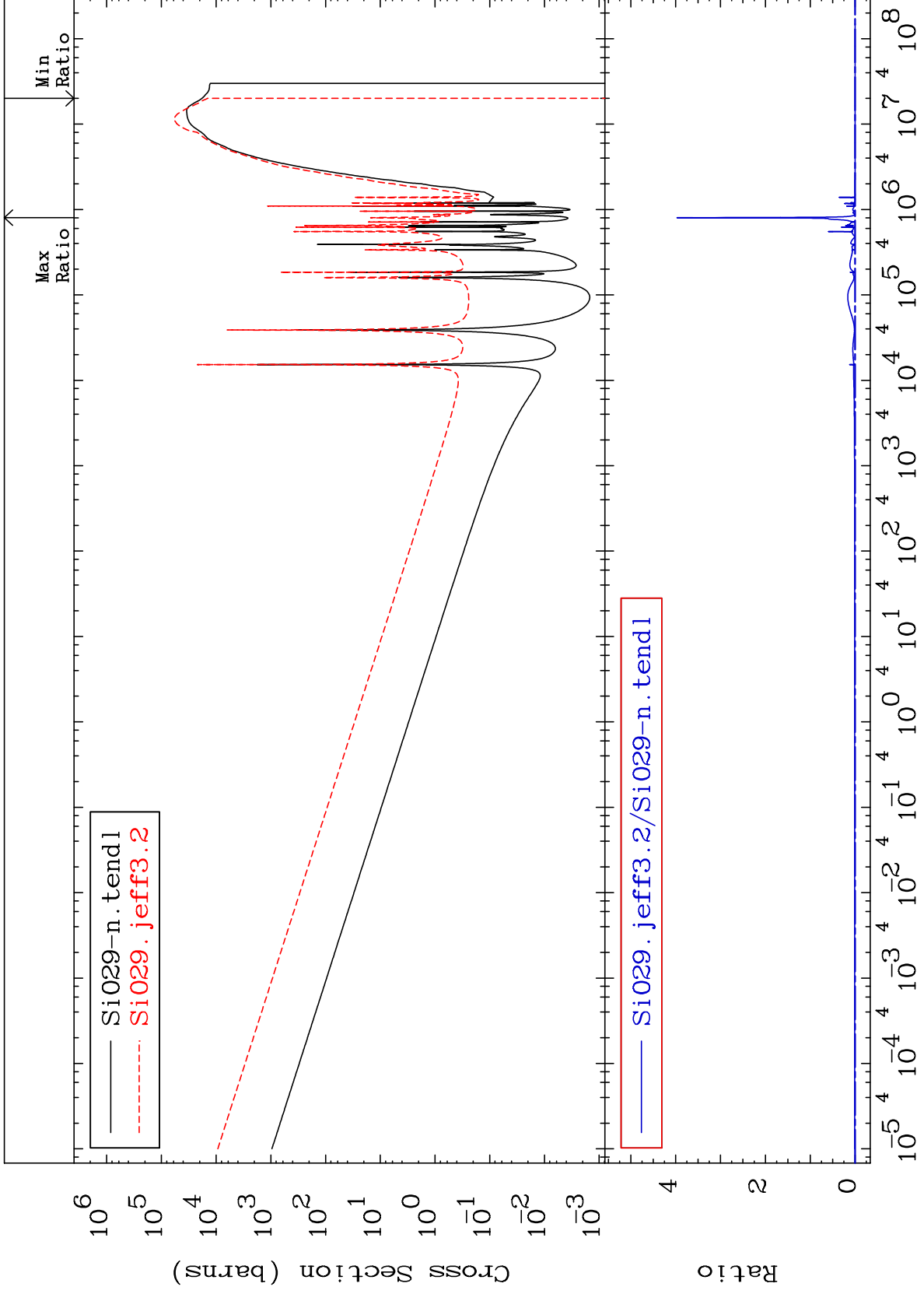




MAT 1428

Dpa disappearance (mt102 -120)
Cross Section

14-Si-29
-100.0 To 9999. %



41

Incident Energy (eV)

14-Si-29