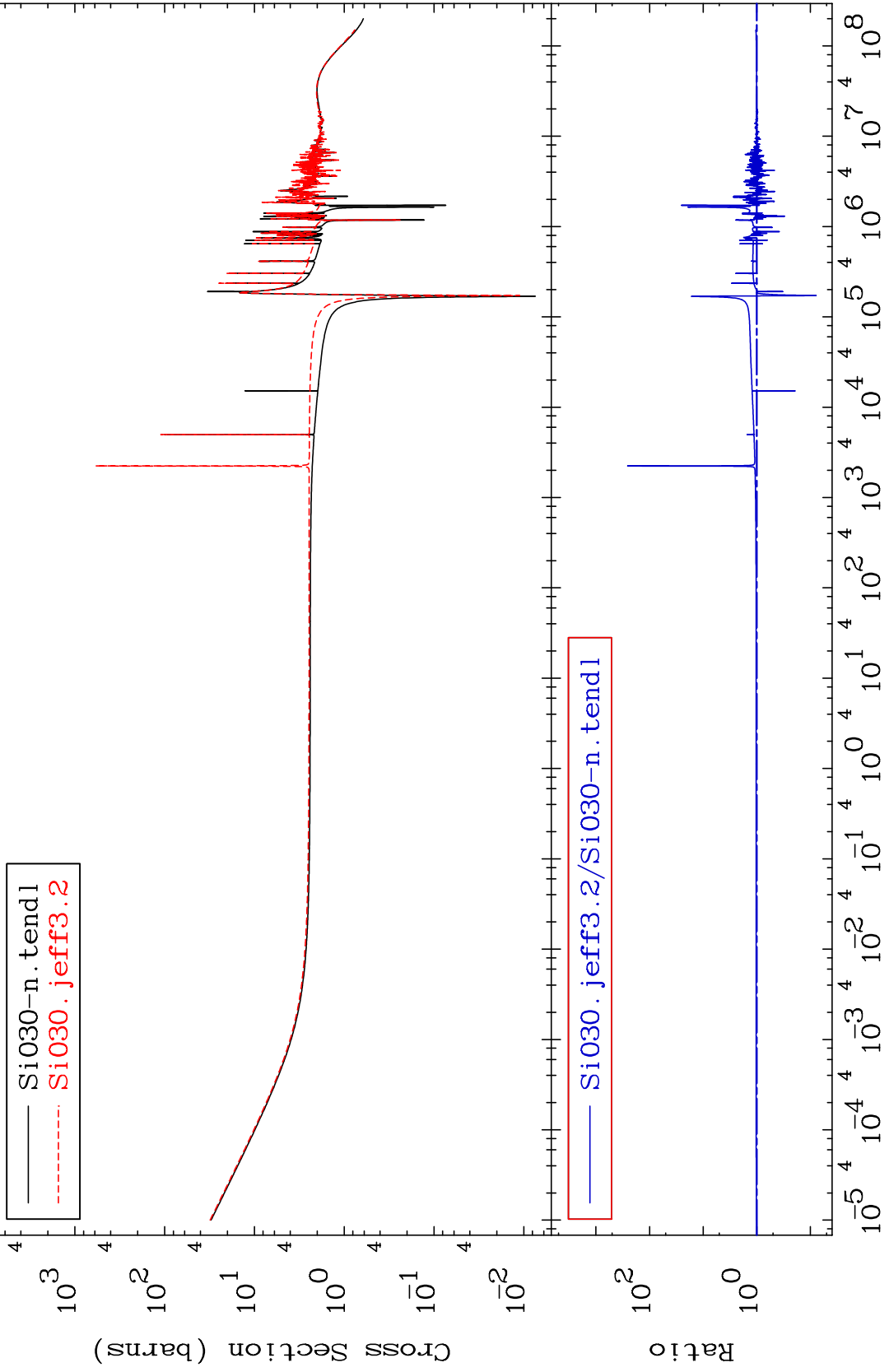


MAT 1431

Total
Cross Section

14-Si-30
-92.15 To 9999. %



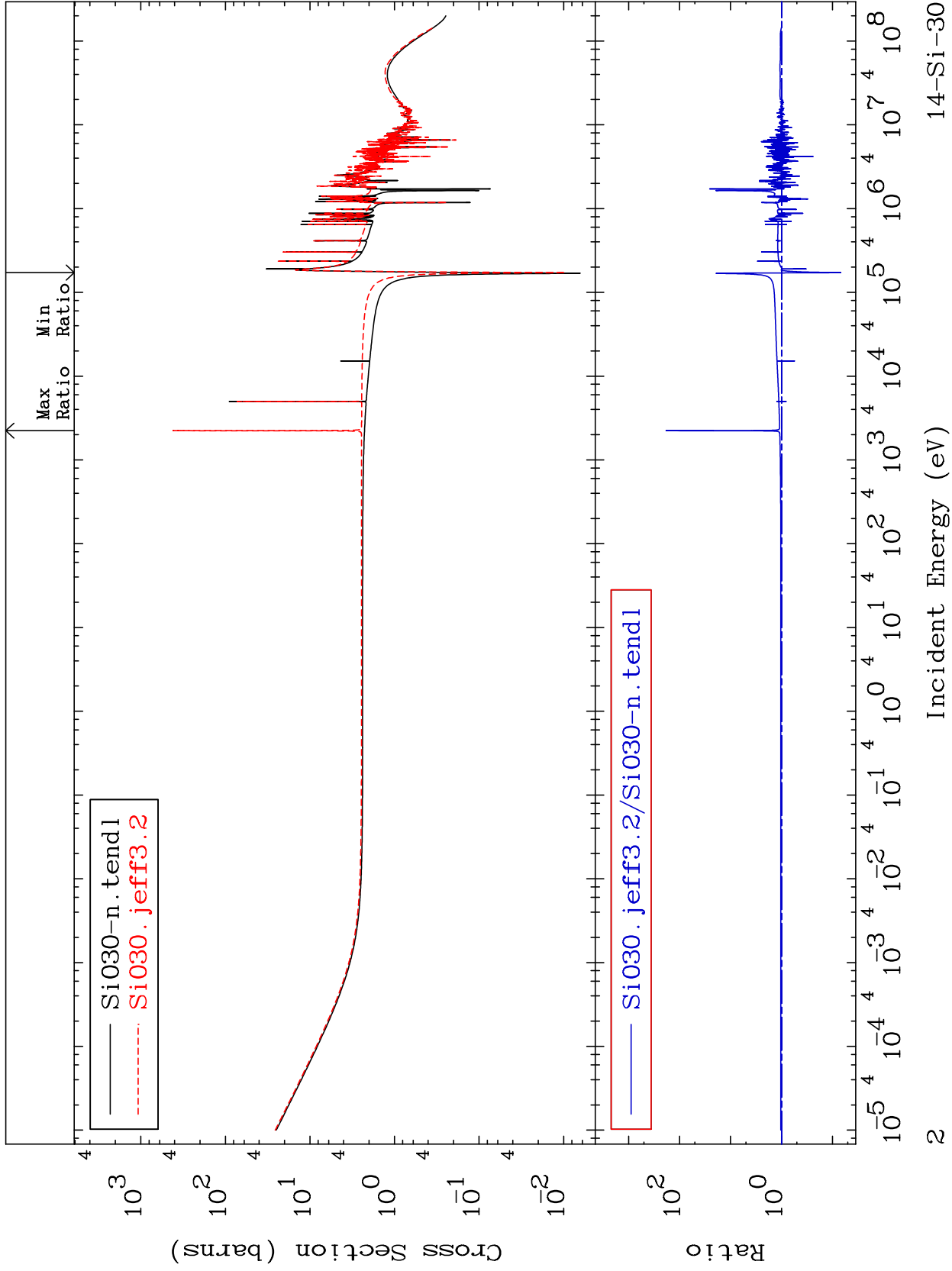
Incident Energy (eV)

14-Si-30

MAT 1431

Elastic
Cross Section

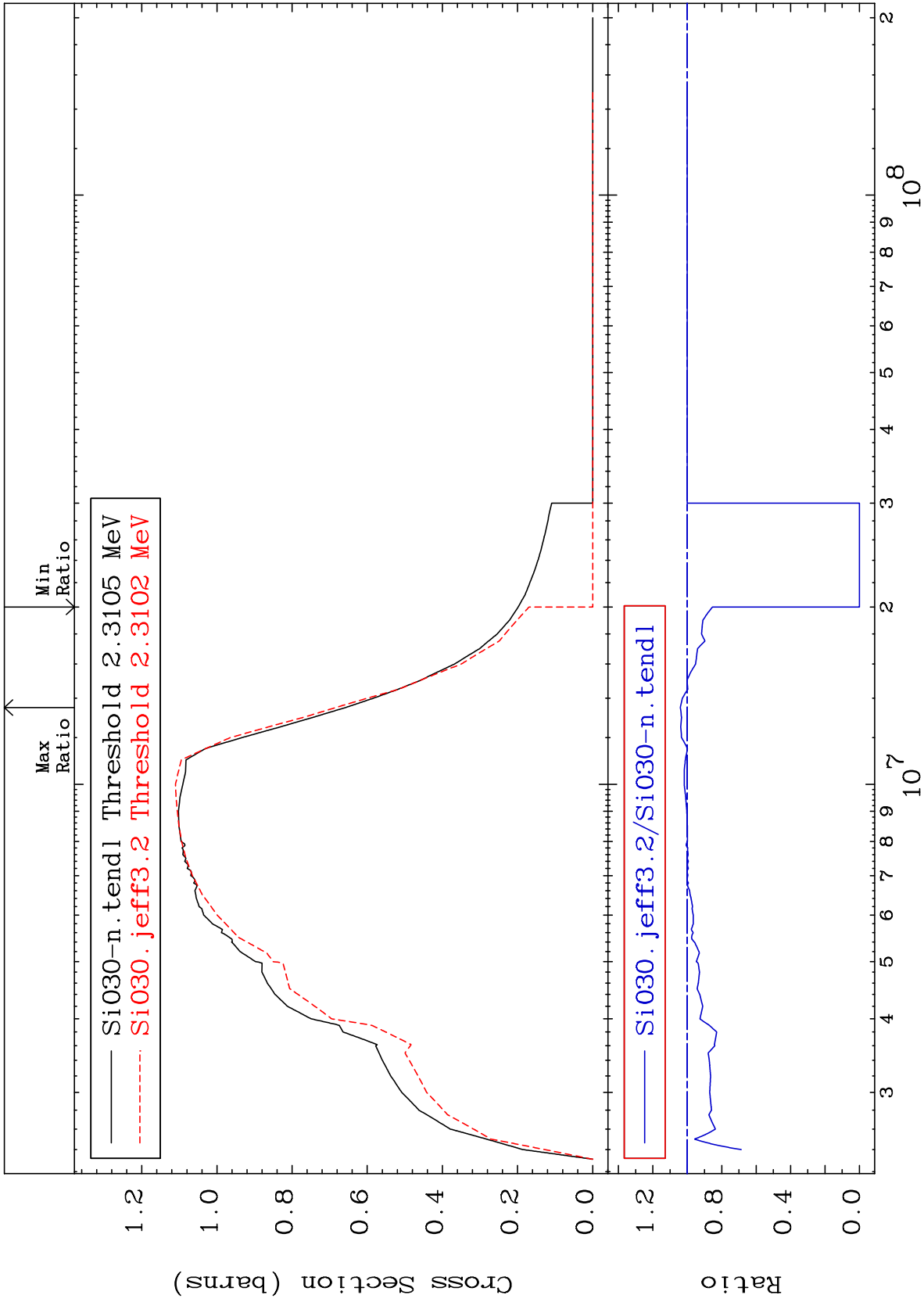
14-Si-30
-93.15 To 9999. %



MAT 1431

Inelastic
Cross Section

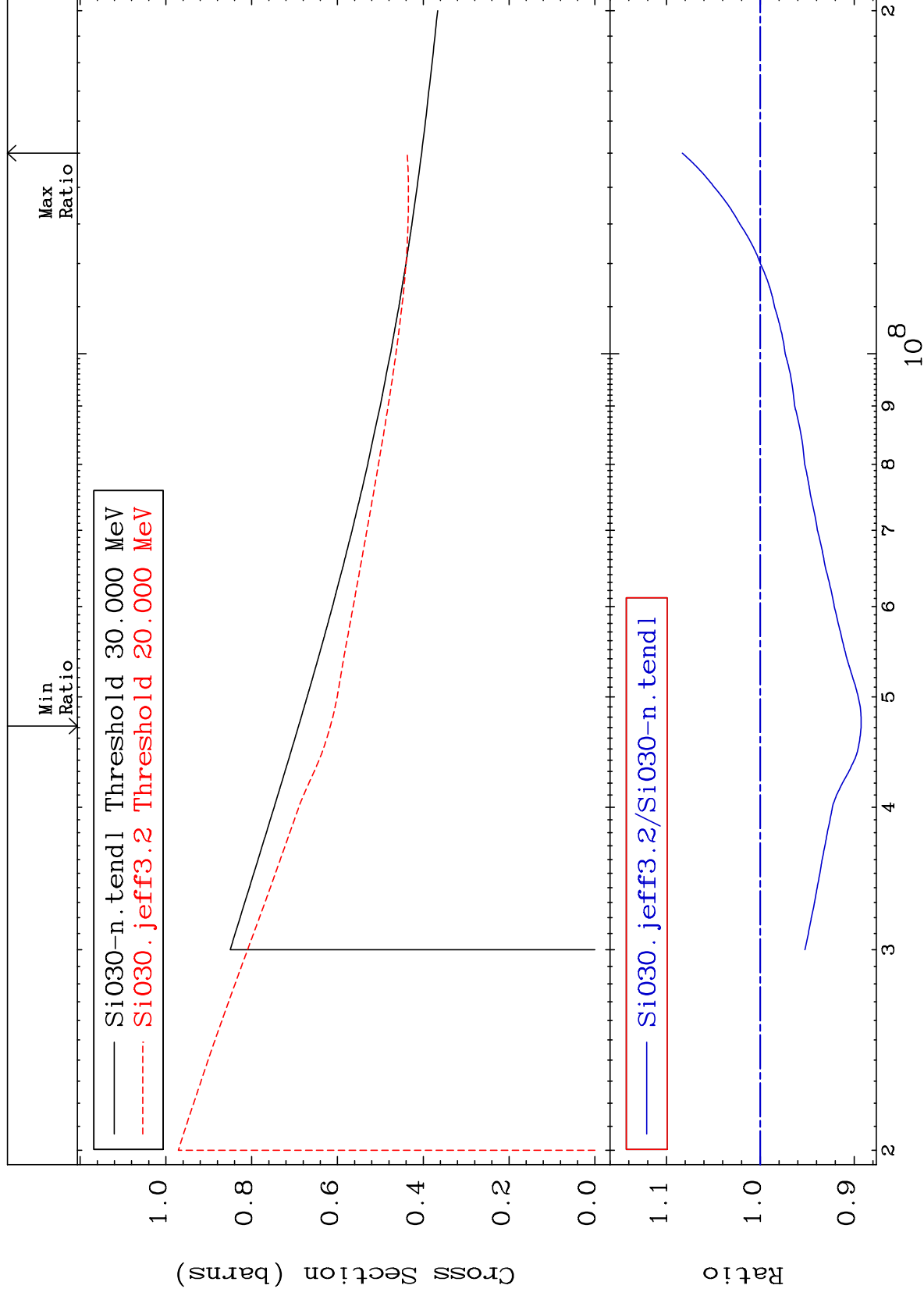
14-Si-30
-100.0 To 4.018 %



MAT 1431

(n, remainder)
Cross Section

14-Si-30
-10.74 To 8.306 %



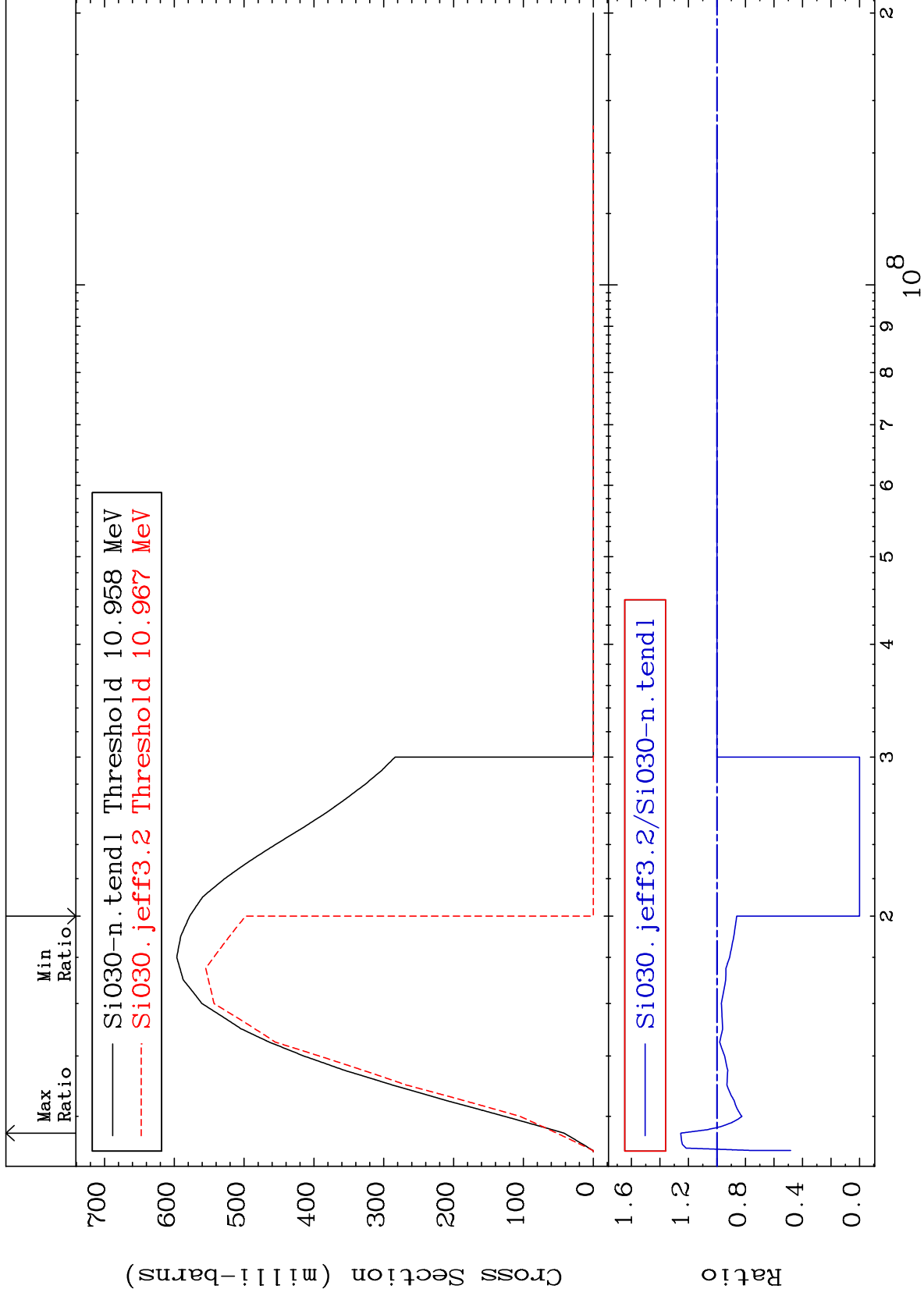
MAT 1431

(n,2n)

14-Si-30

Cross Section

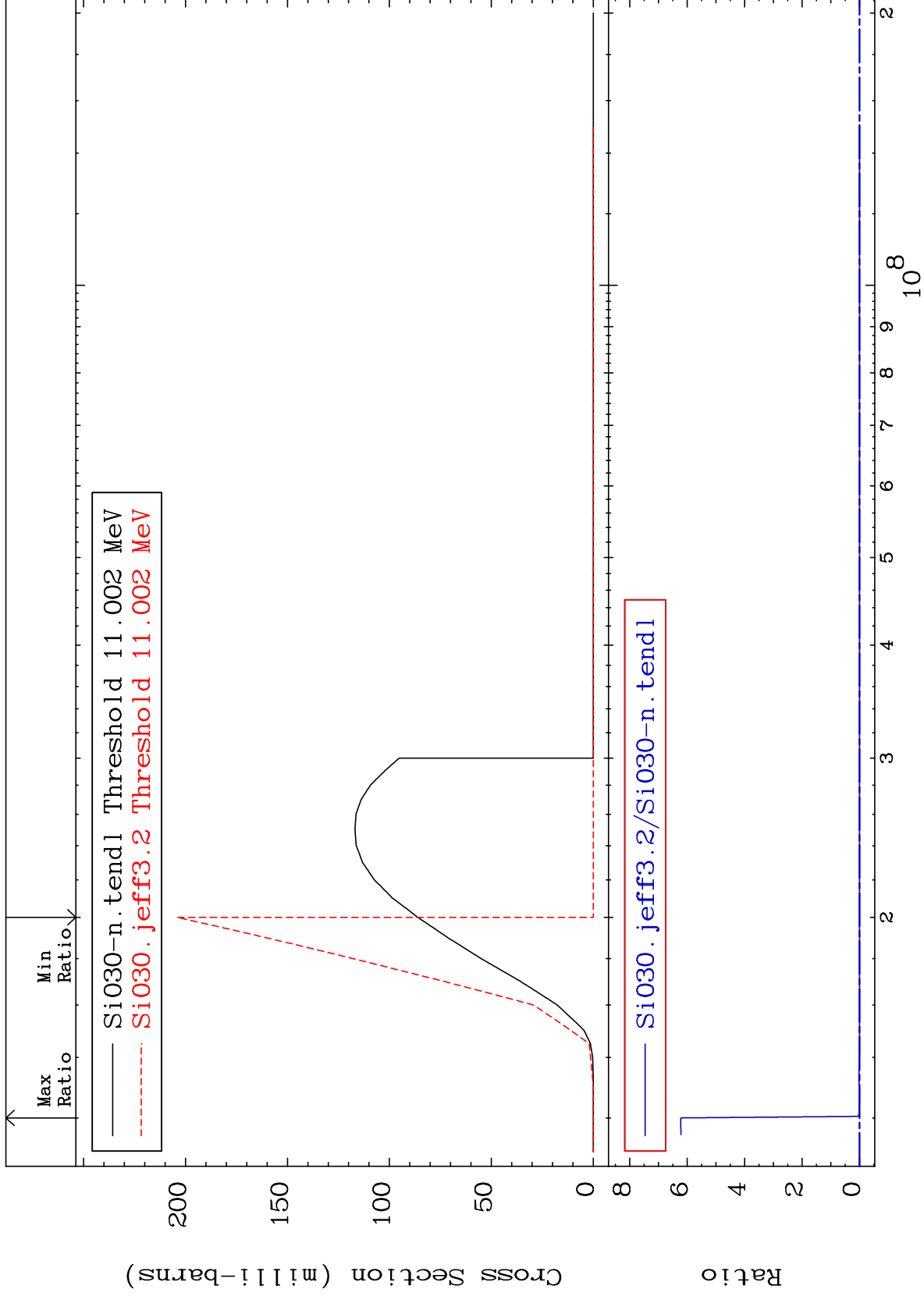
-100.0 To 25.41 %



MAT 1431

(n,n') α
Cross Section

14-Si-30
-100.0 To 9999. %



6

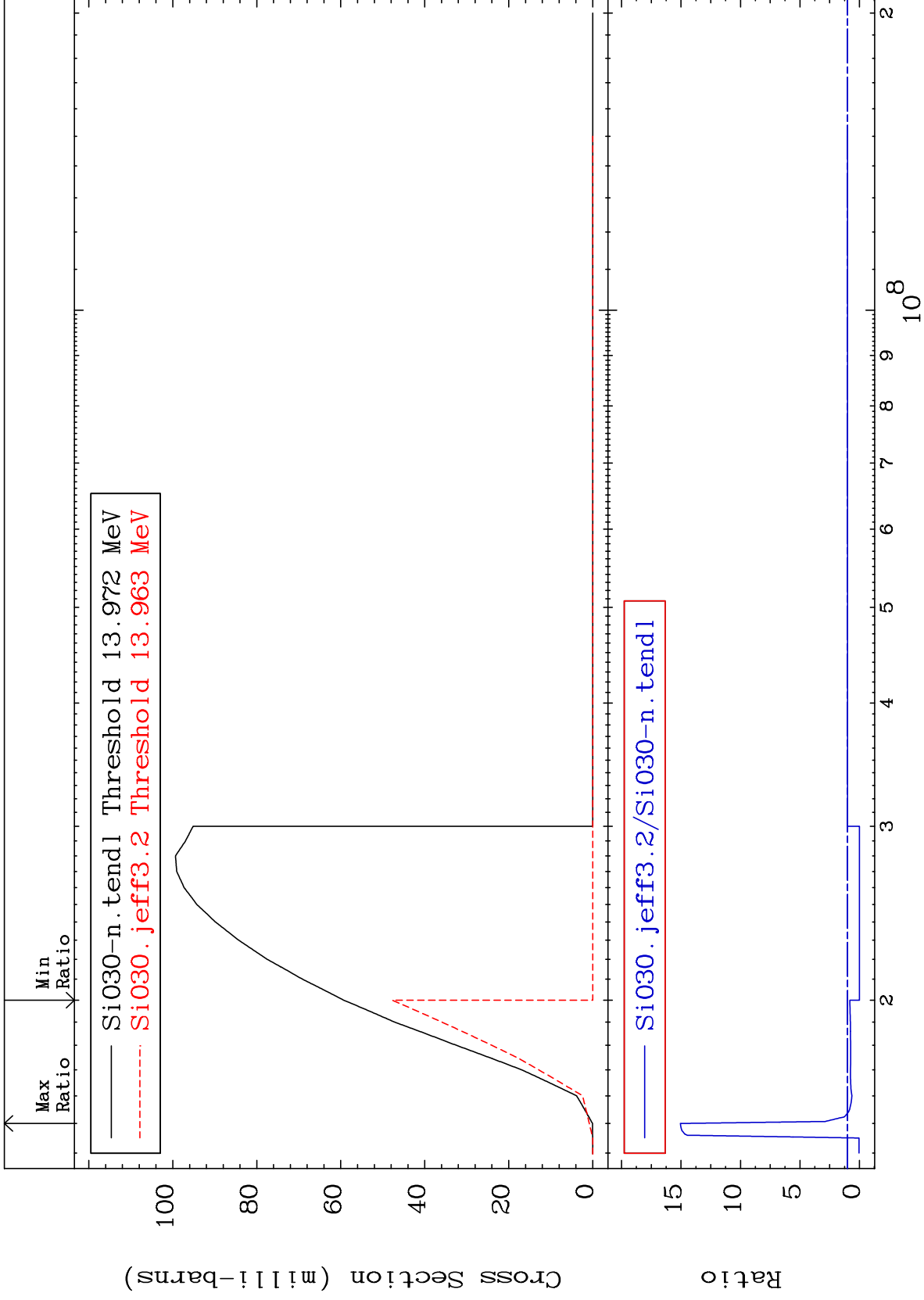
Incident Energy (eV)

14-Si-30

MAT 1431

(n,n') p
Cross Section

14-Si-30
-100.0 To 1406. %



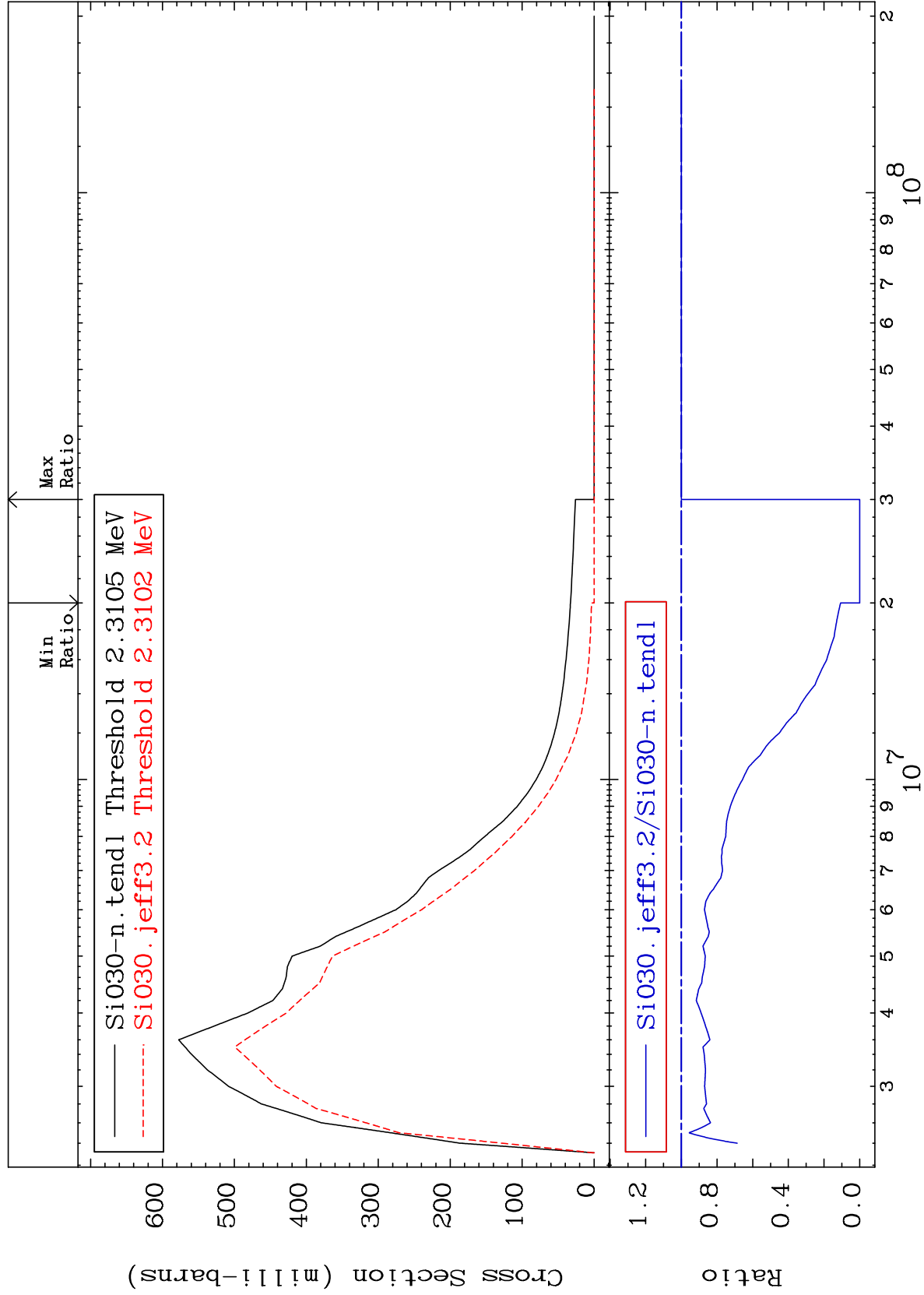
MAT 1431

2.235 MeV (n,n') Level

14-Si-30

-100.0 To 0.000 %

Cross Section



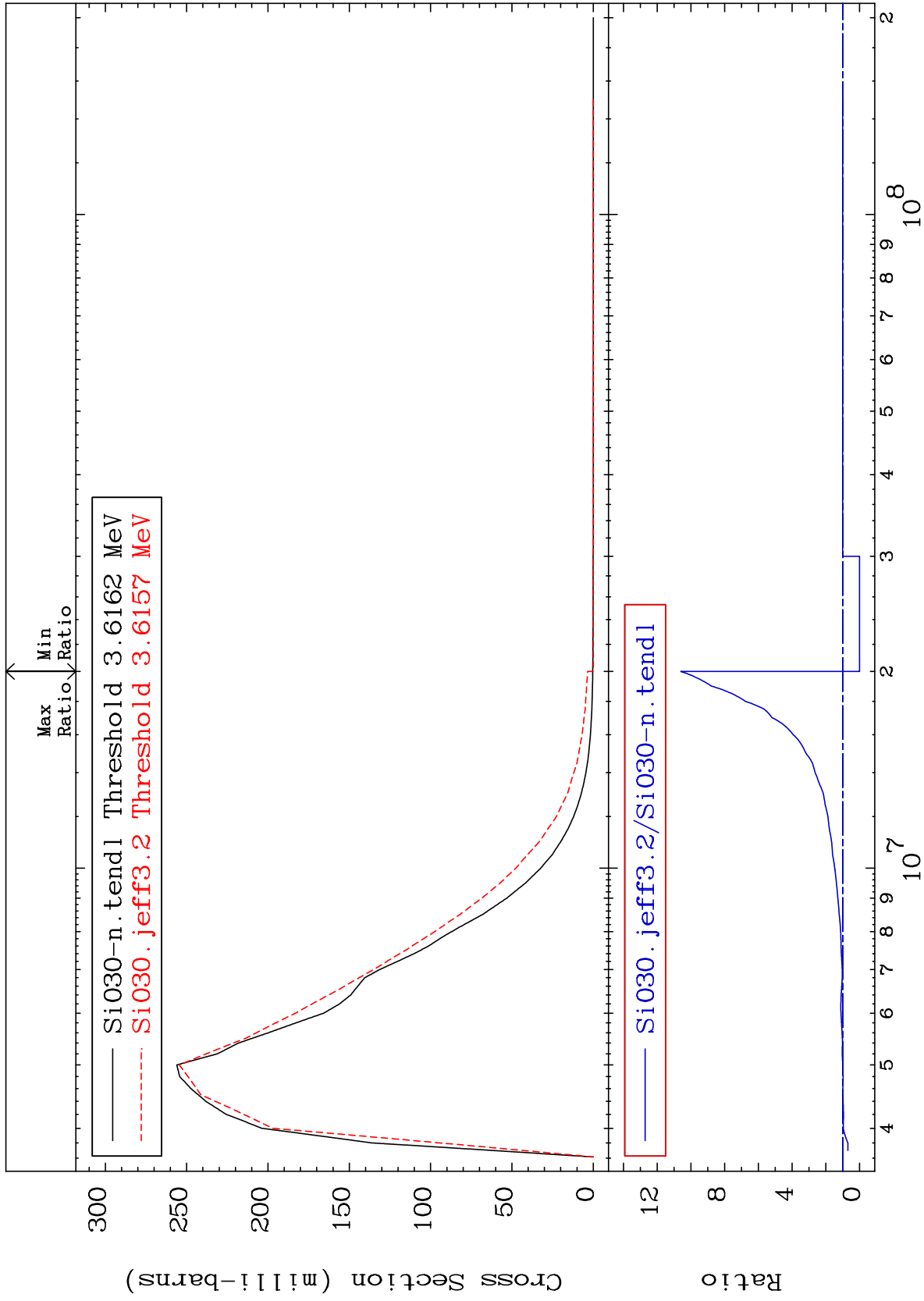
MAT 1431

3.498 MeV (n,n') Level

14-Si-30

-100.0 To 960.6 %

Cross Section



9

Incident Energy (eV)

14-Si-30

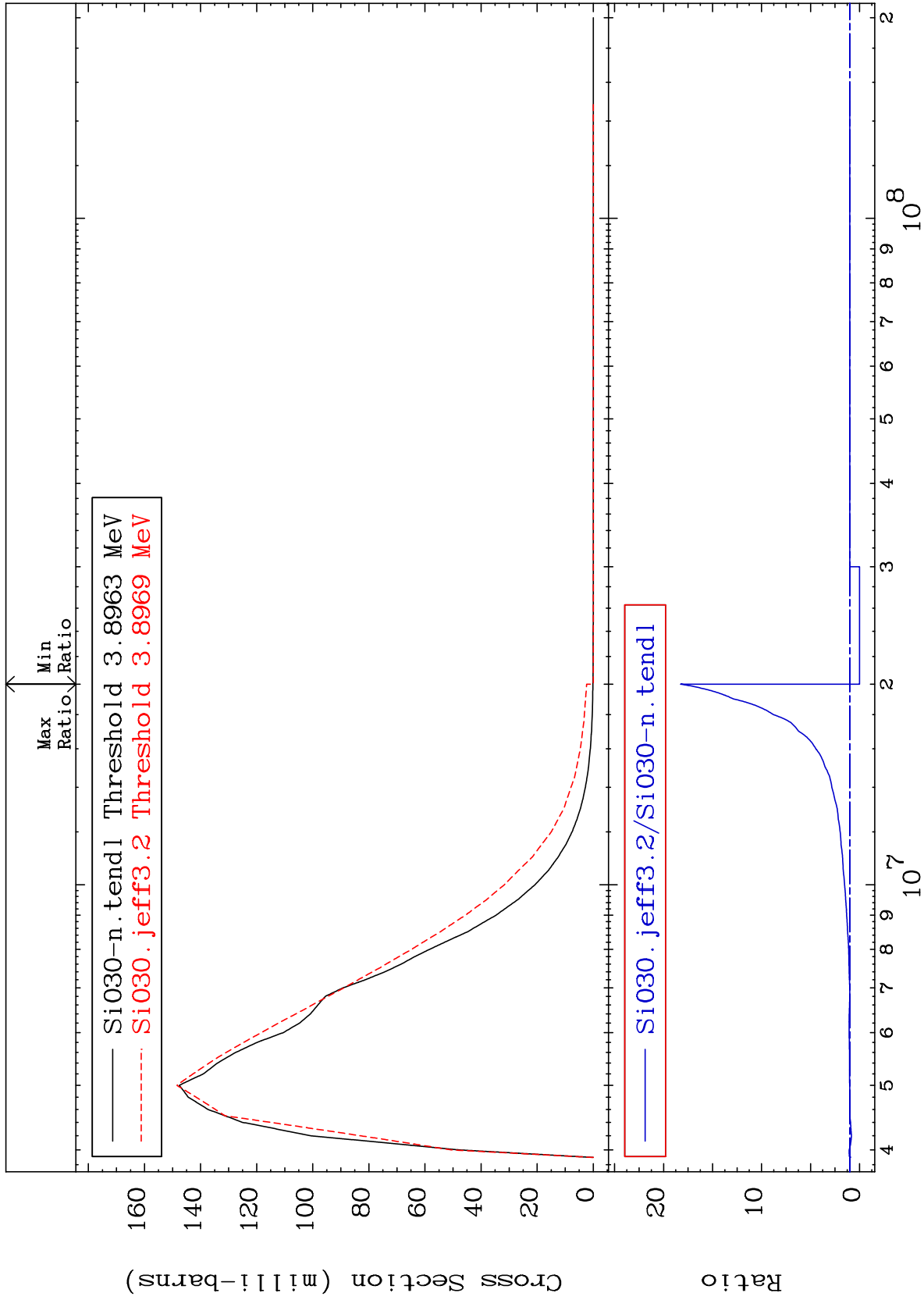
MAT 1431

3.769 MeV (n,n') Level

14-Si-30

-100.0 To 1724. %

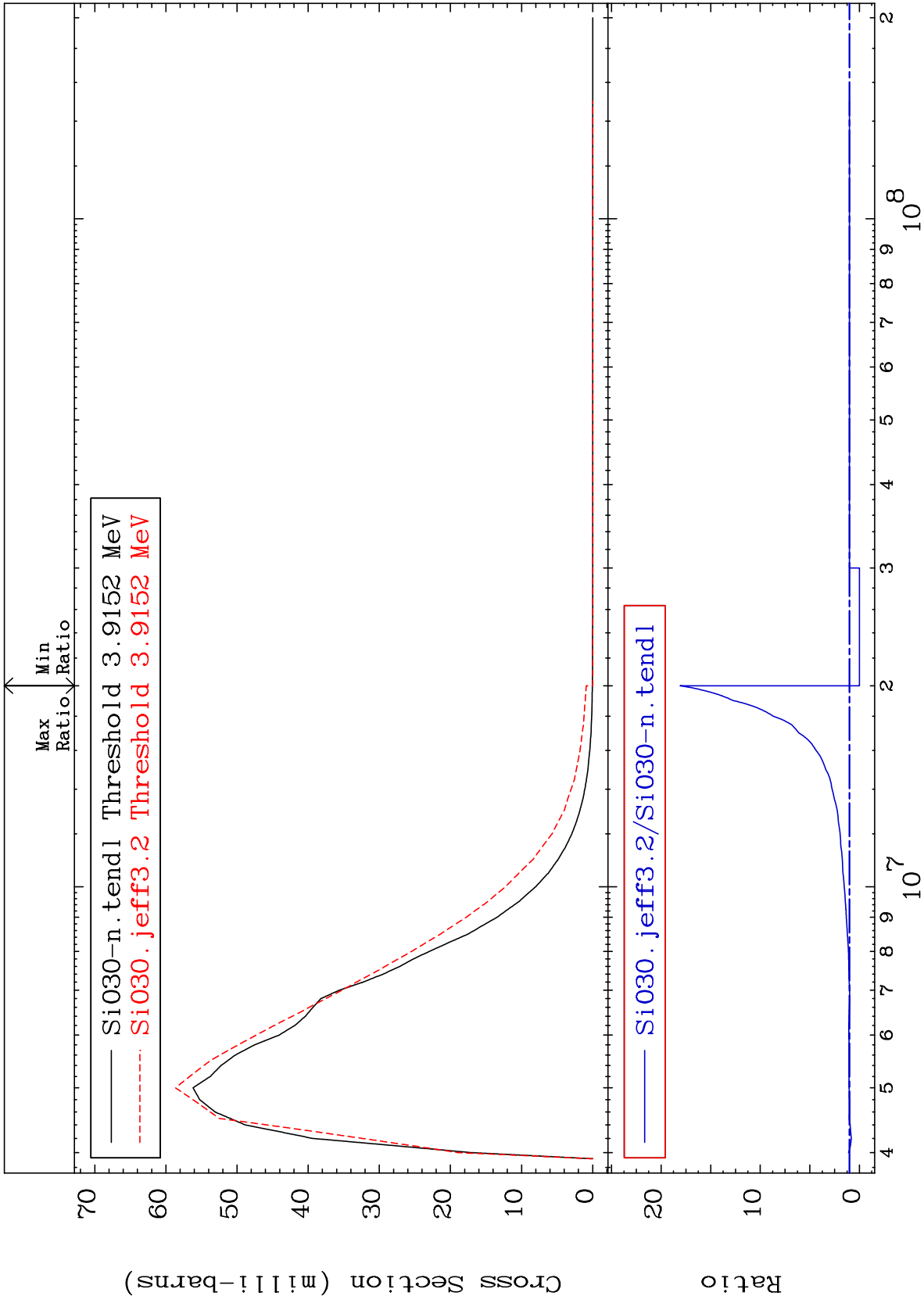
Cross Section



MAT 1431

3.788 MeV (n,n') Level
Cross Section

14-Si-30
-100.0 To 1706. %



11

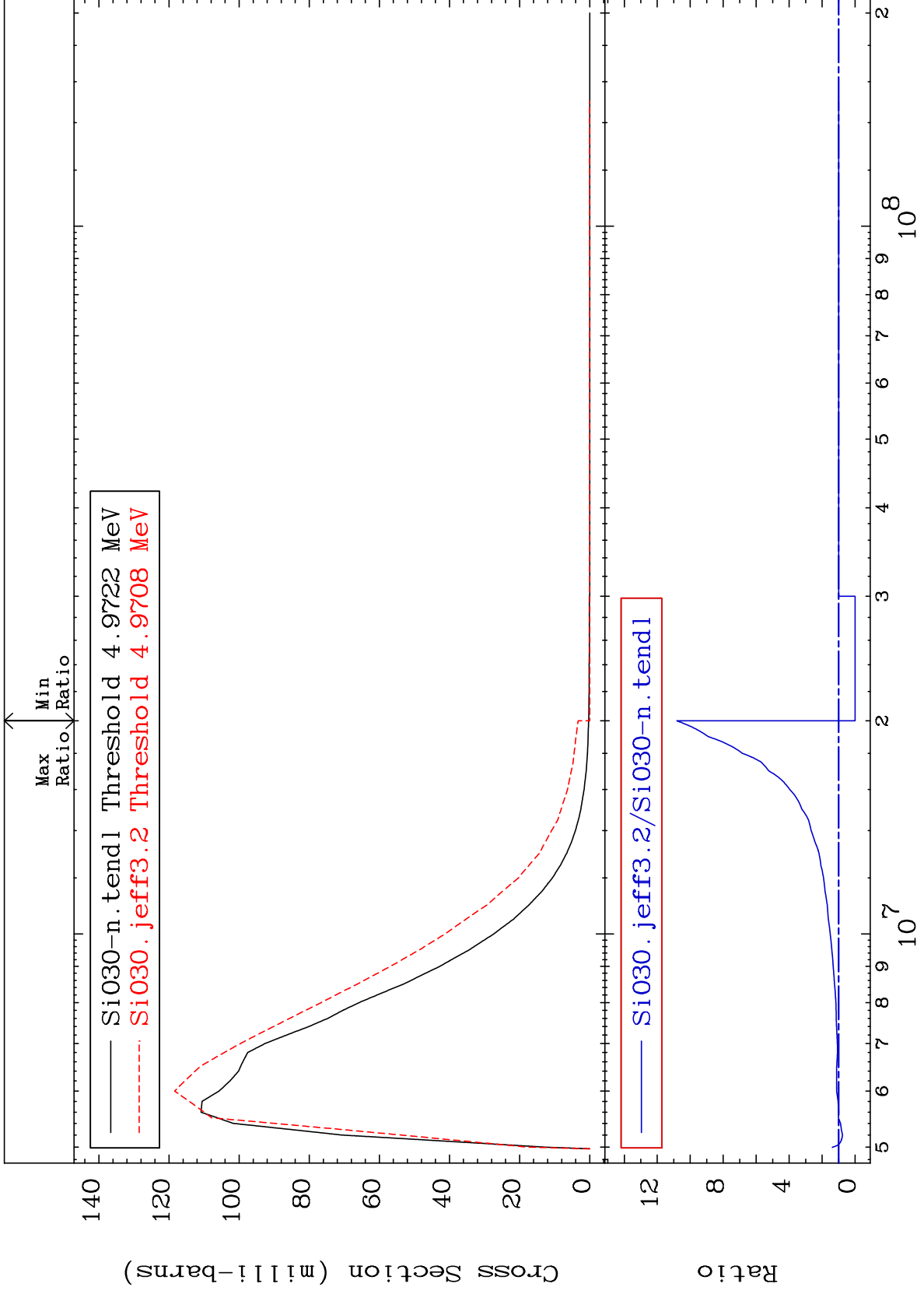
Incident Energy (eV)

14-Si-30

MAT 1431

4.810 MeV (n,n') Level
Cross Section

14-Si-30
-100.0 To 980.7 %



12

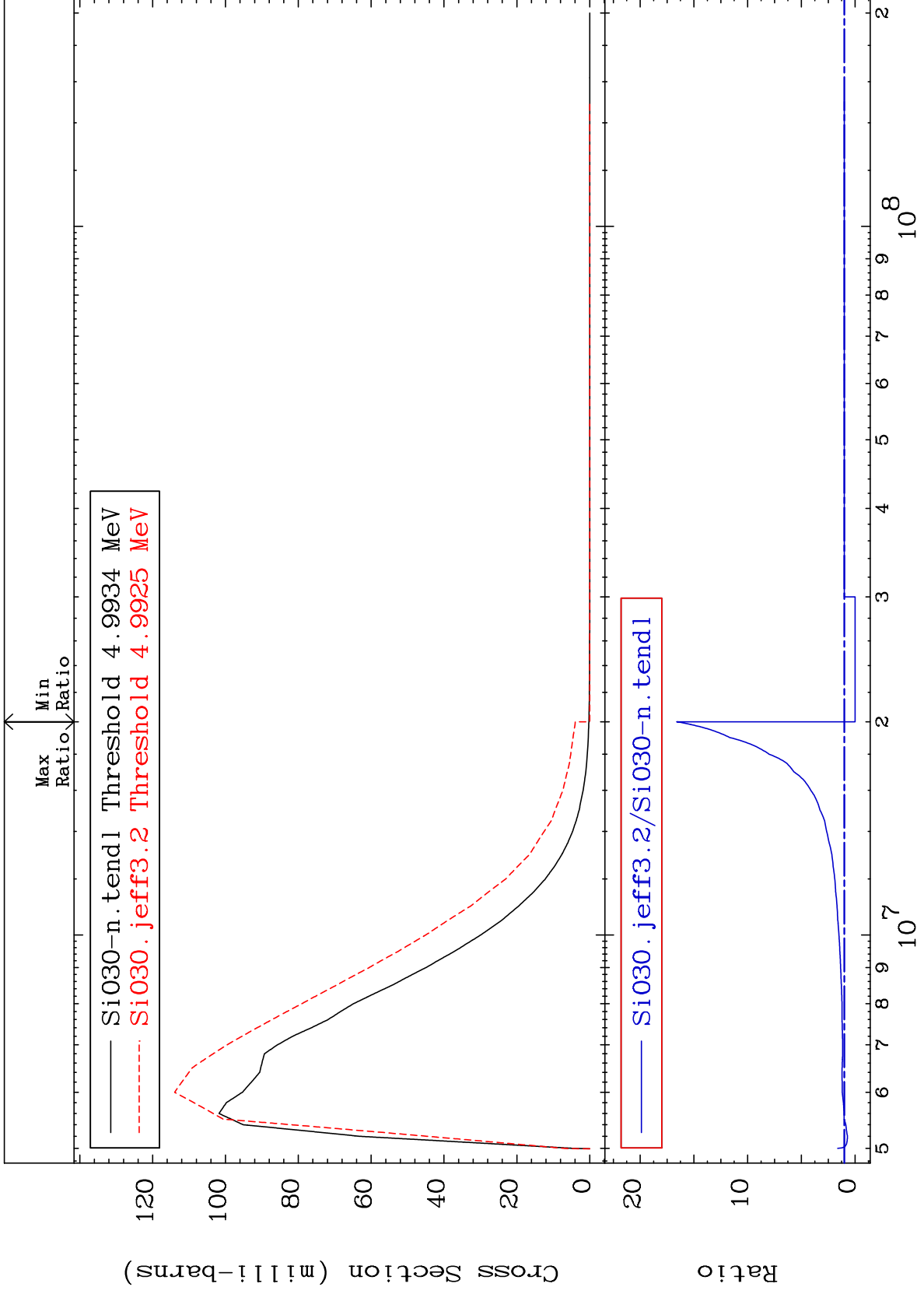
Incident Energy (eV)

14-Si-30

MAT 1431

4.831 MeV (n,n') Level
Cross Section

14-Si-30
-100.0 To 1558. %



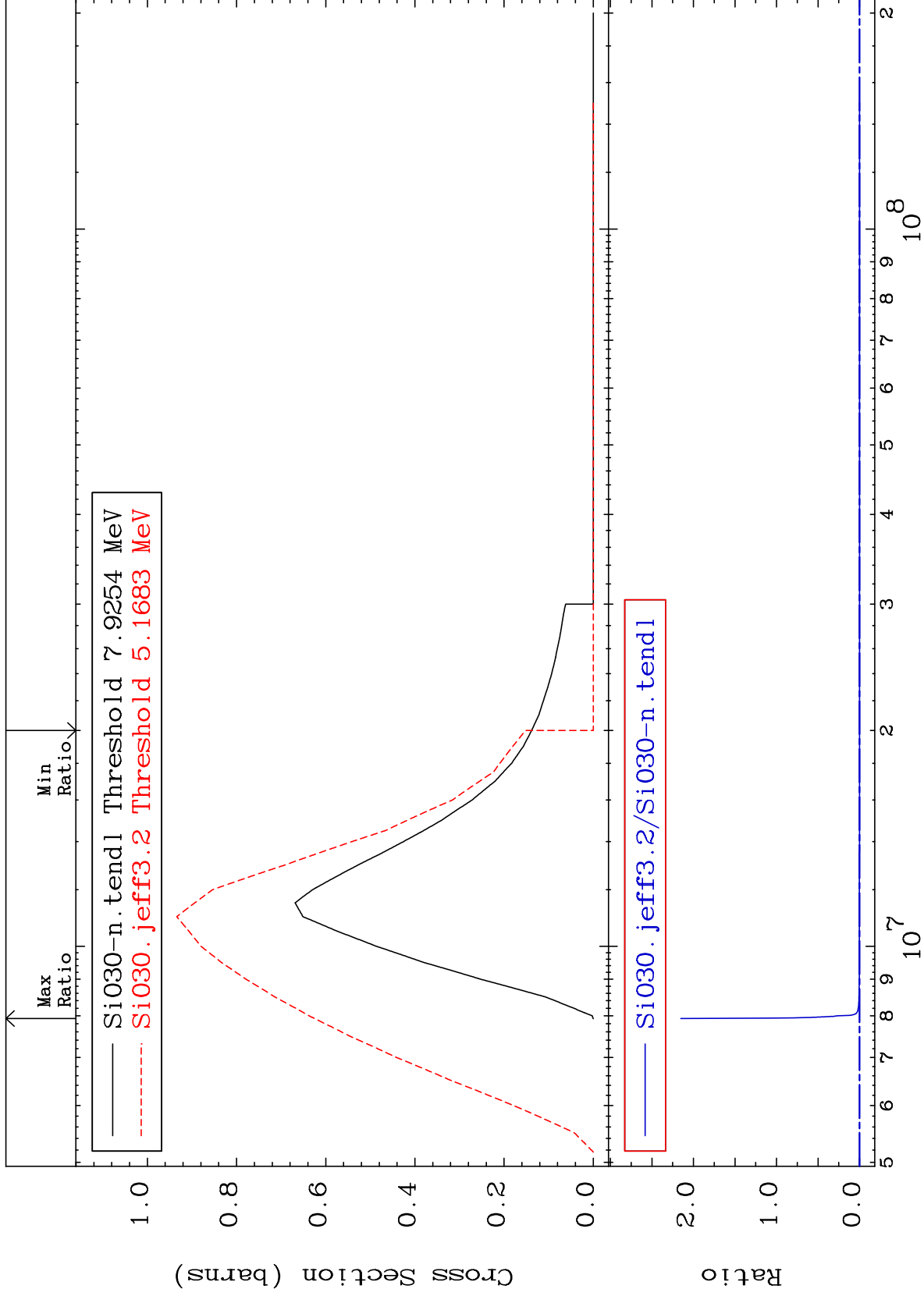
13

14-Si-30

MAT 1431

(n,n') Continuum
Cross Section

14-Si-30
-100.0 To 9999. %



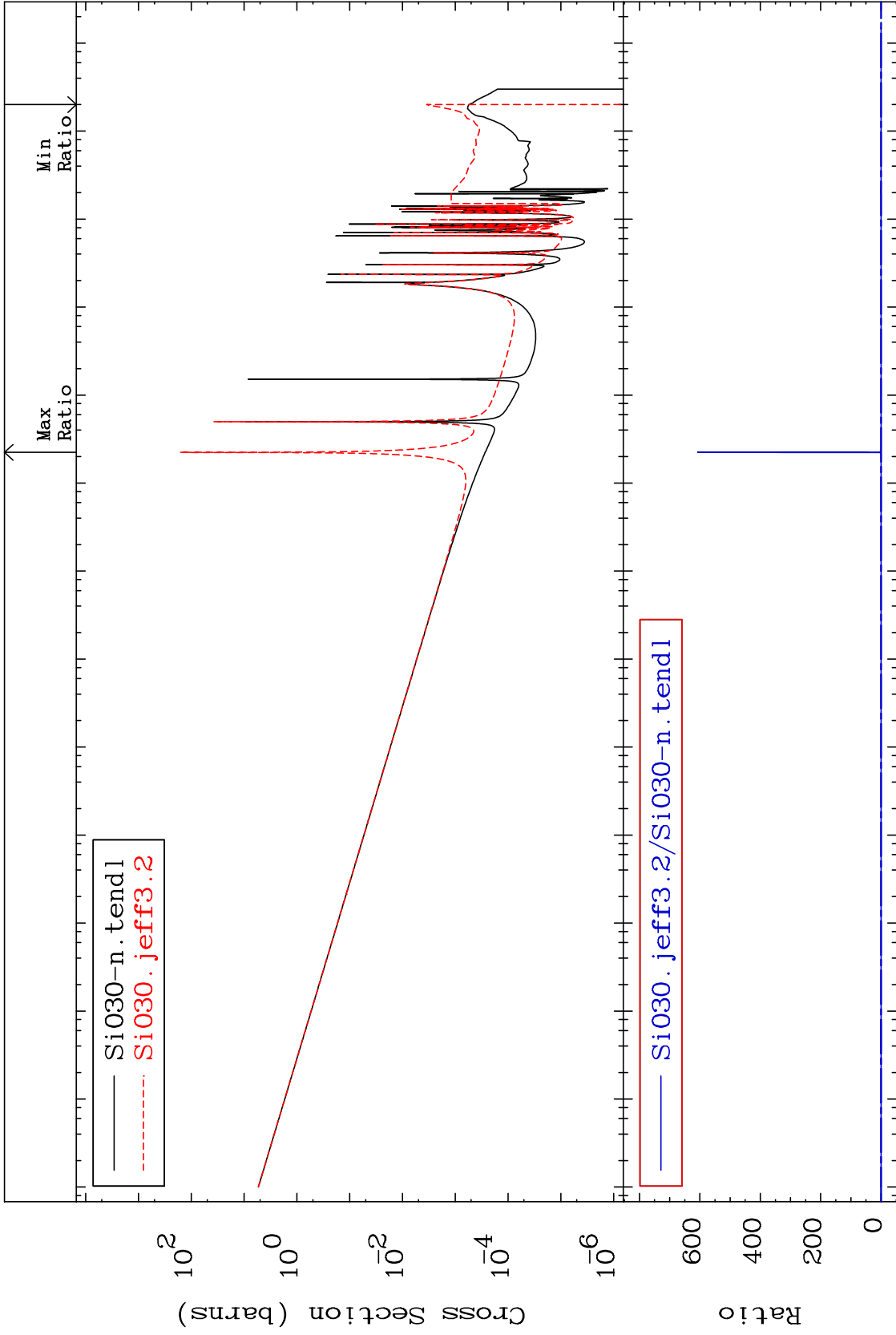
14

Incident Energy (eV)

14-Si-30

MAT 1431

(n, γ)
Cross Section
14-Si-30
-100.0 To 9999. %



15

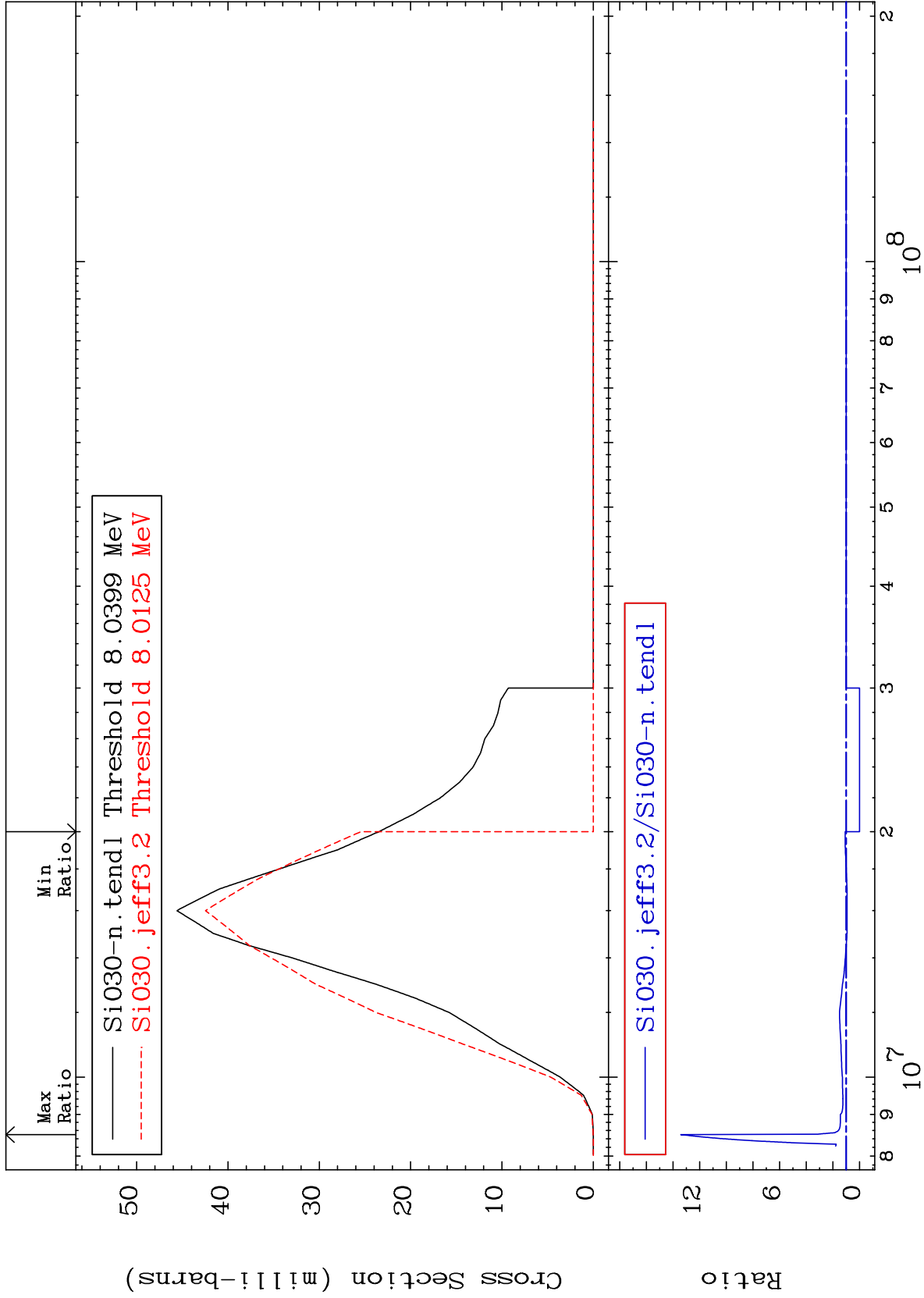
MAT 1431

(n,p)

¹⁴Si-30

Cross Section

-100.0 To 1242. %



16

Incident Energy (eV)

¹⁴Si-30

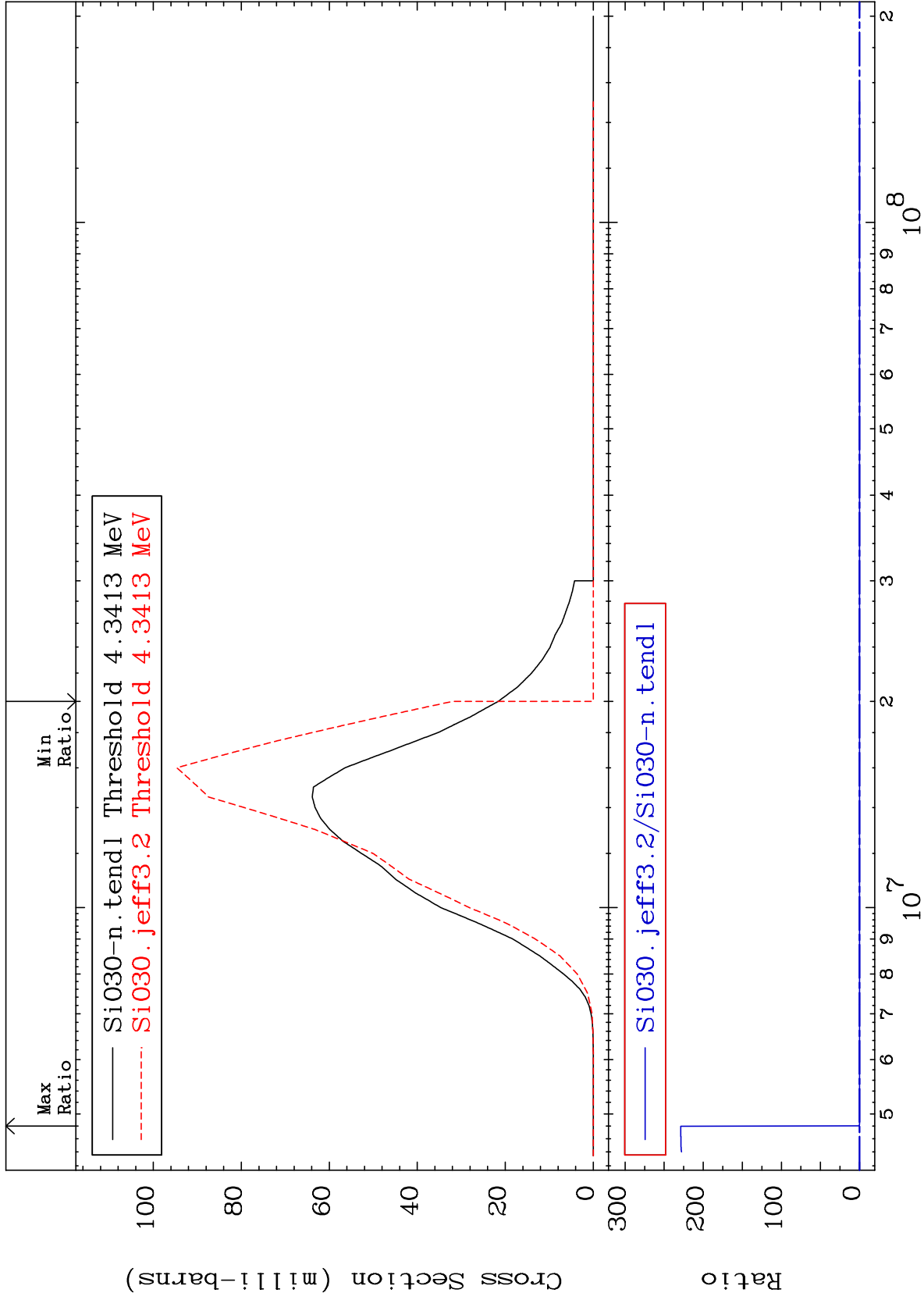
MAT 1431

(n, α)

14-Si-30

Cross Section

-100.0 To 9999. %



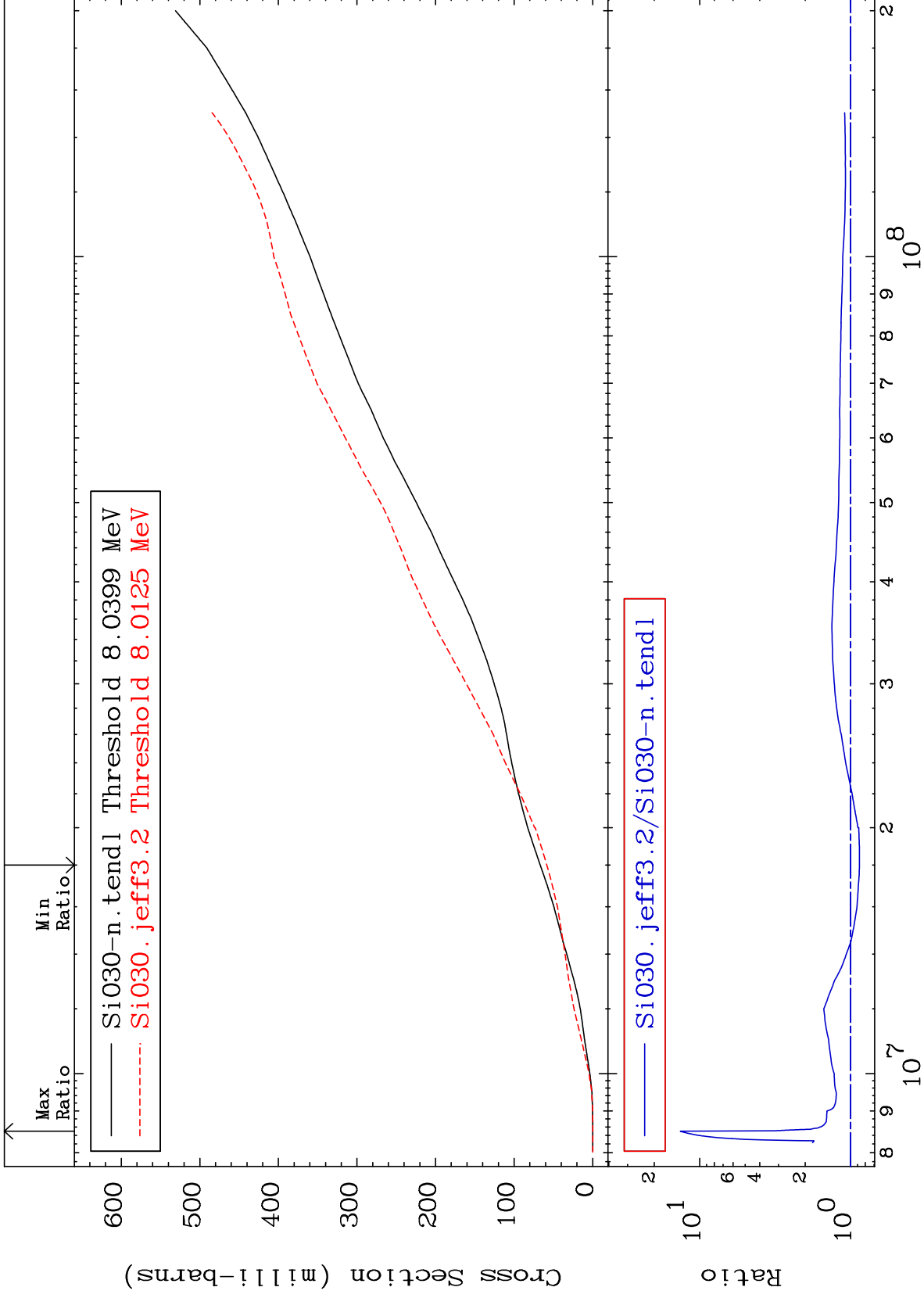
17

14-Si-30

MAT 1431

Hydrogen Production
Cross Section

¹⁴Si-30
-12.54 To 1242. %



18

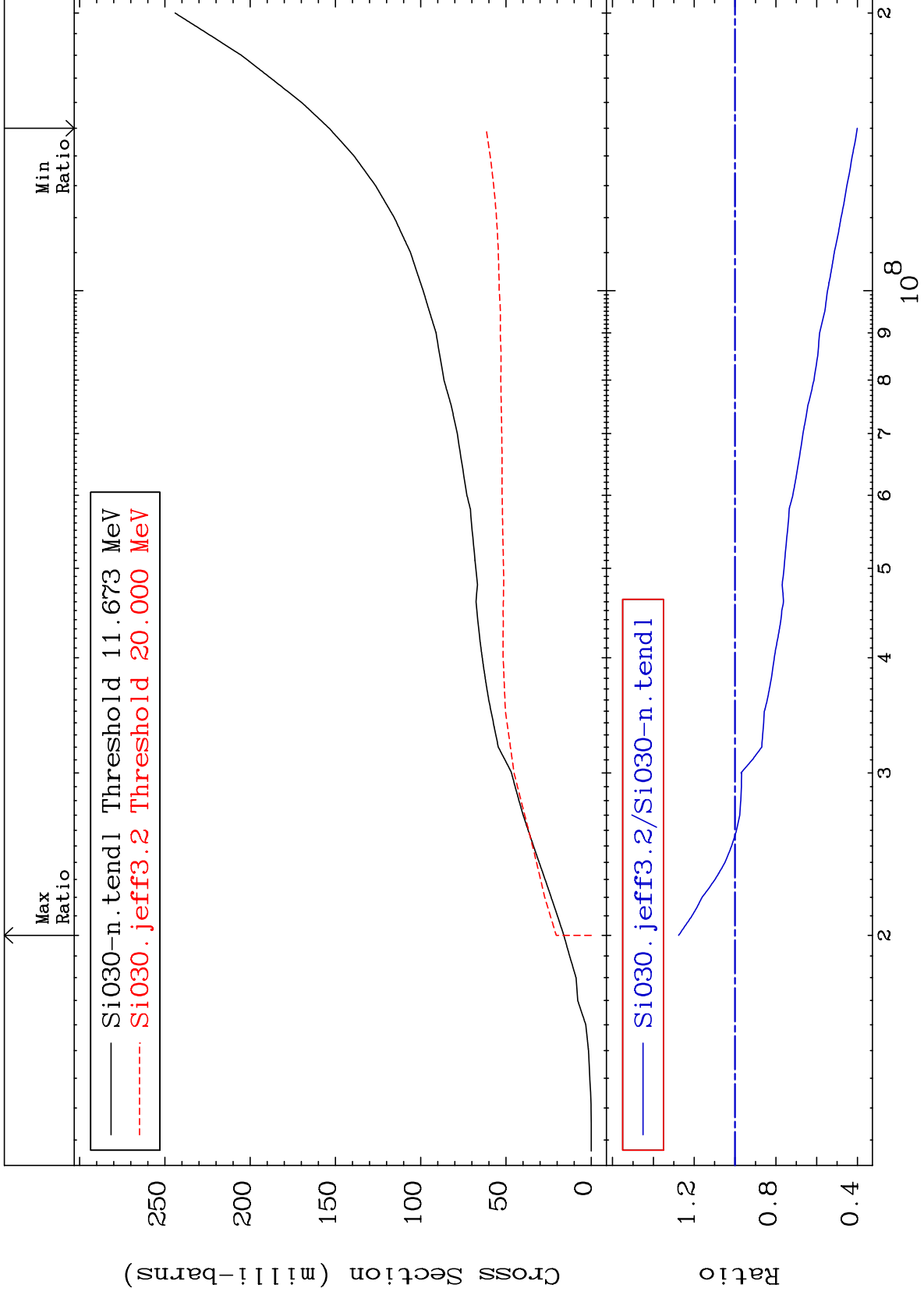
Incident Energy (eV)

¹⁴Si-30

MAT 1431

Deuterium Production
Cross Section

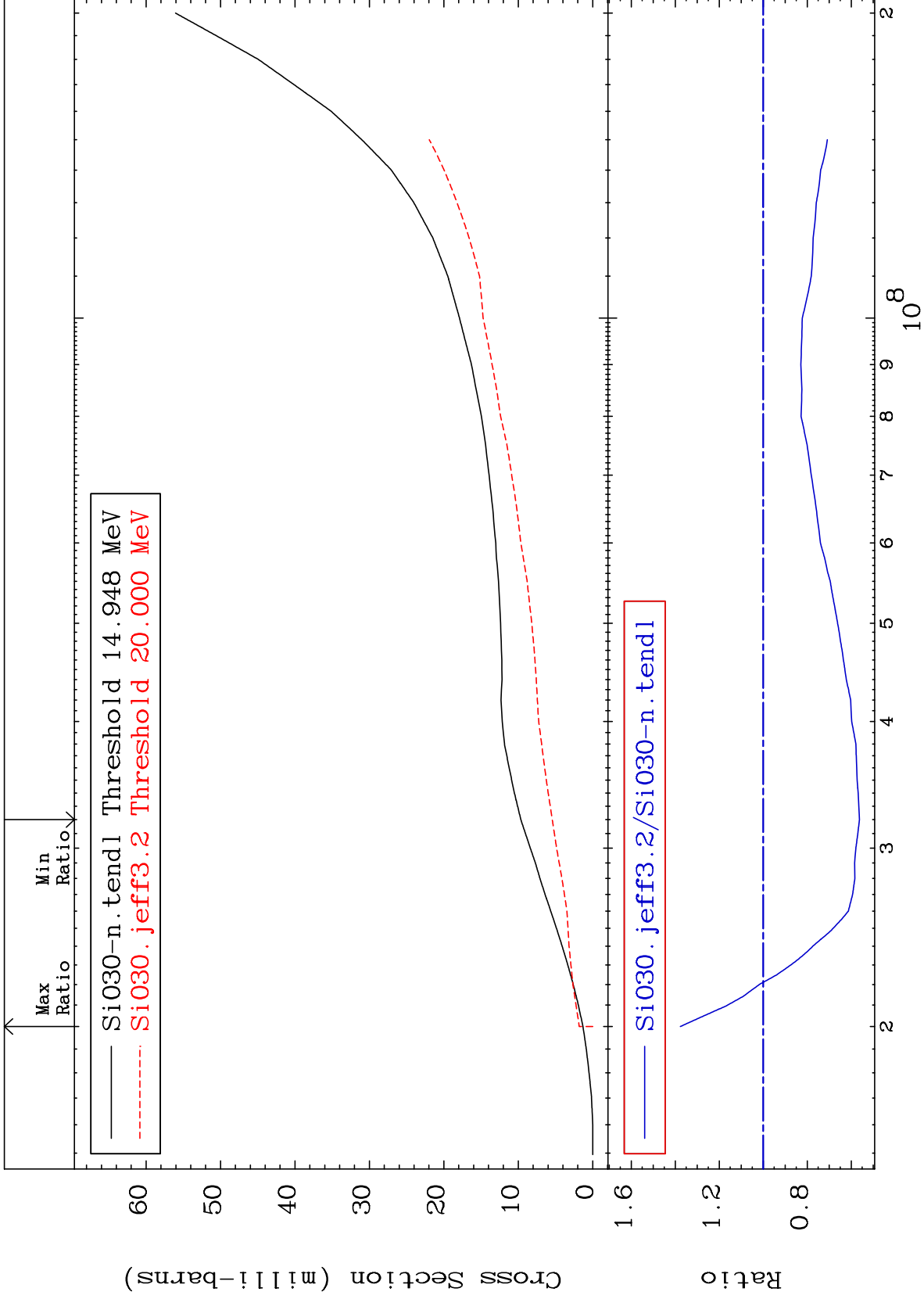
14-Si-30
-59.85 To 27.62 %



MAT 1431

Tritium Production
Cross Section

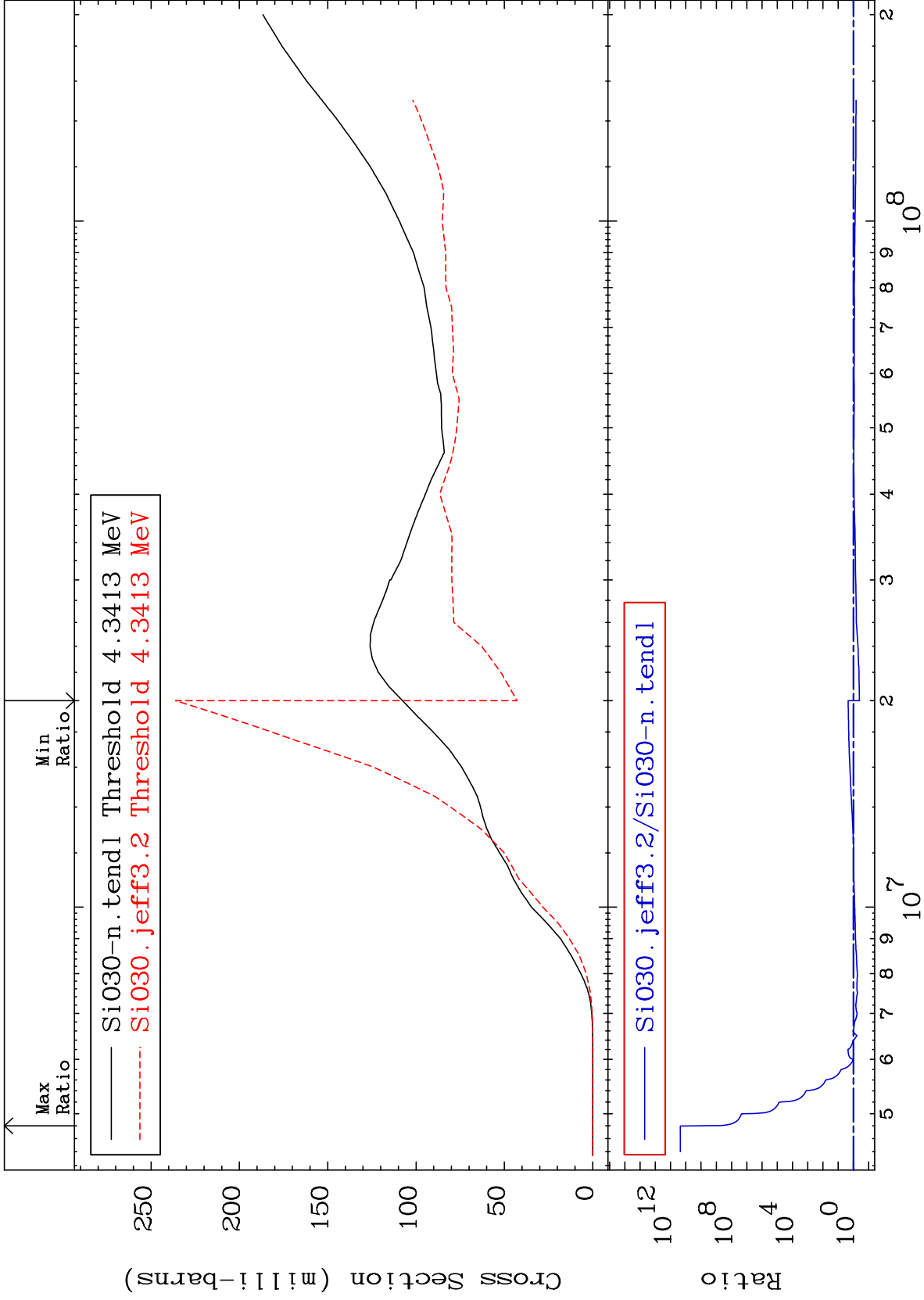
14-Si-30
-43.74 To 37.66 %



MAT 1431

He-4 Production
Cross Section

14-Si-30
-60.23 To 9999. %



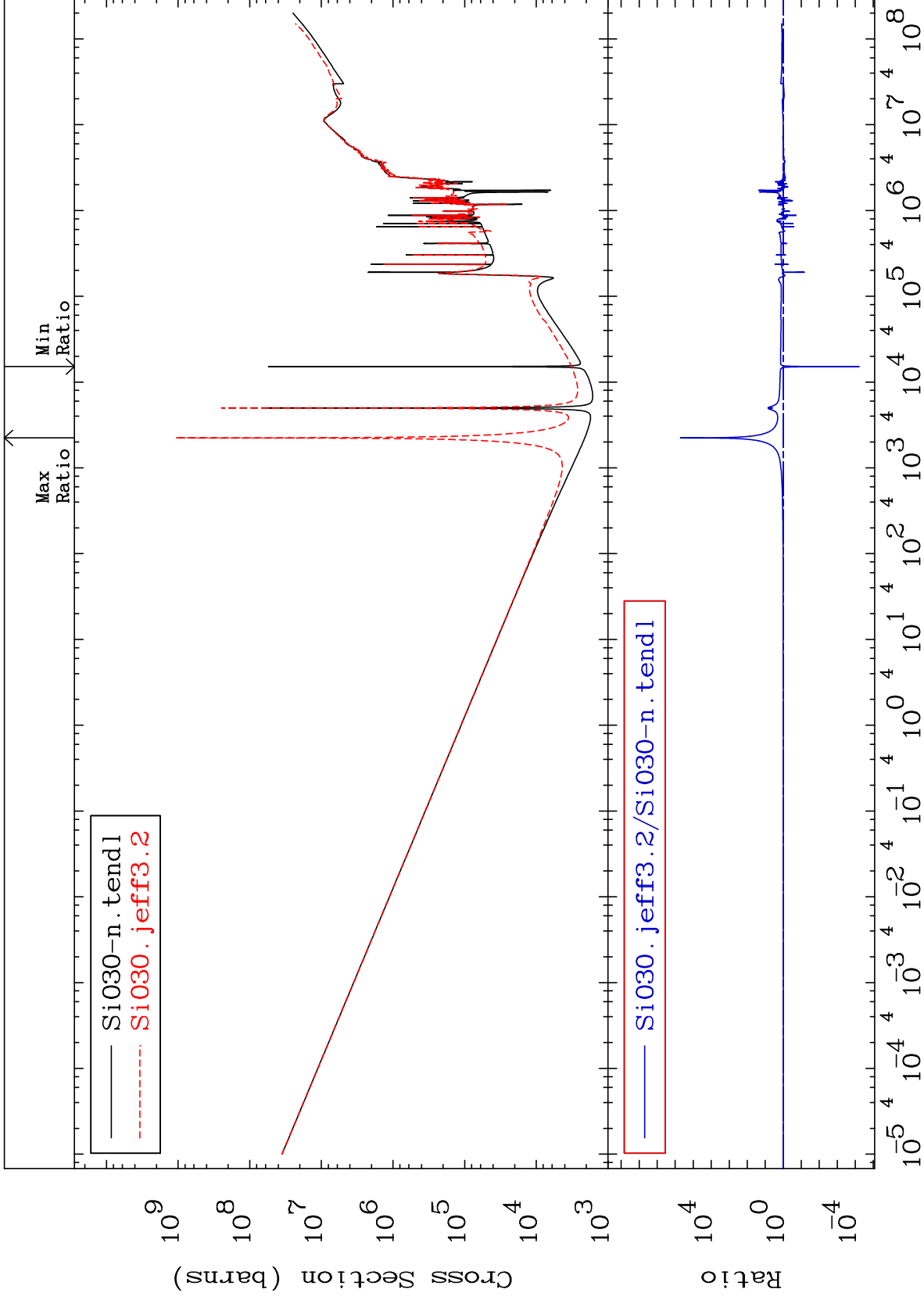
MAT 1431

Kerma total (eV-barns)

14-Si-30

Cross Section

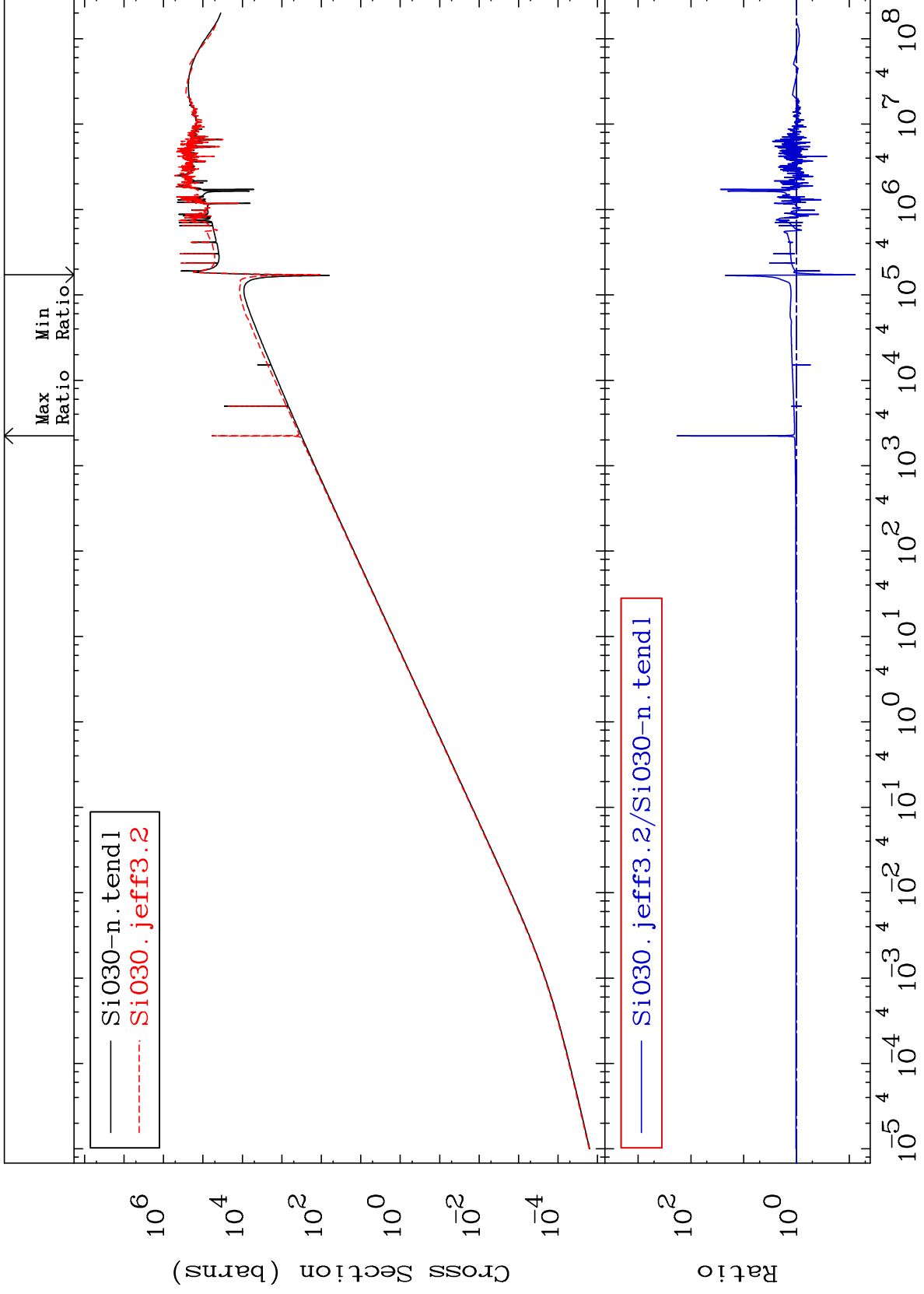
-99.99 To 9999. %

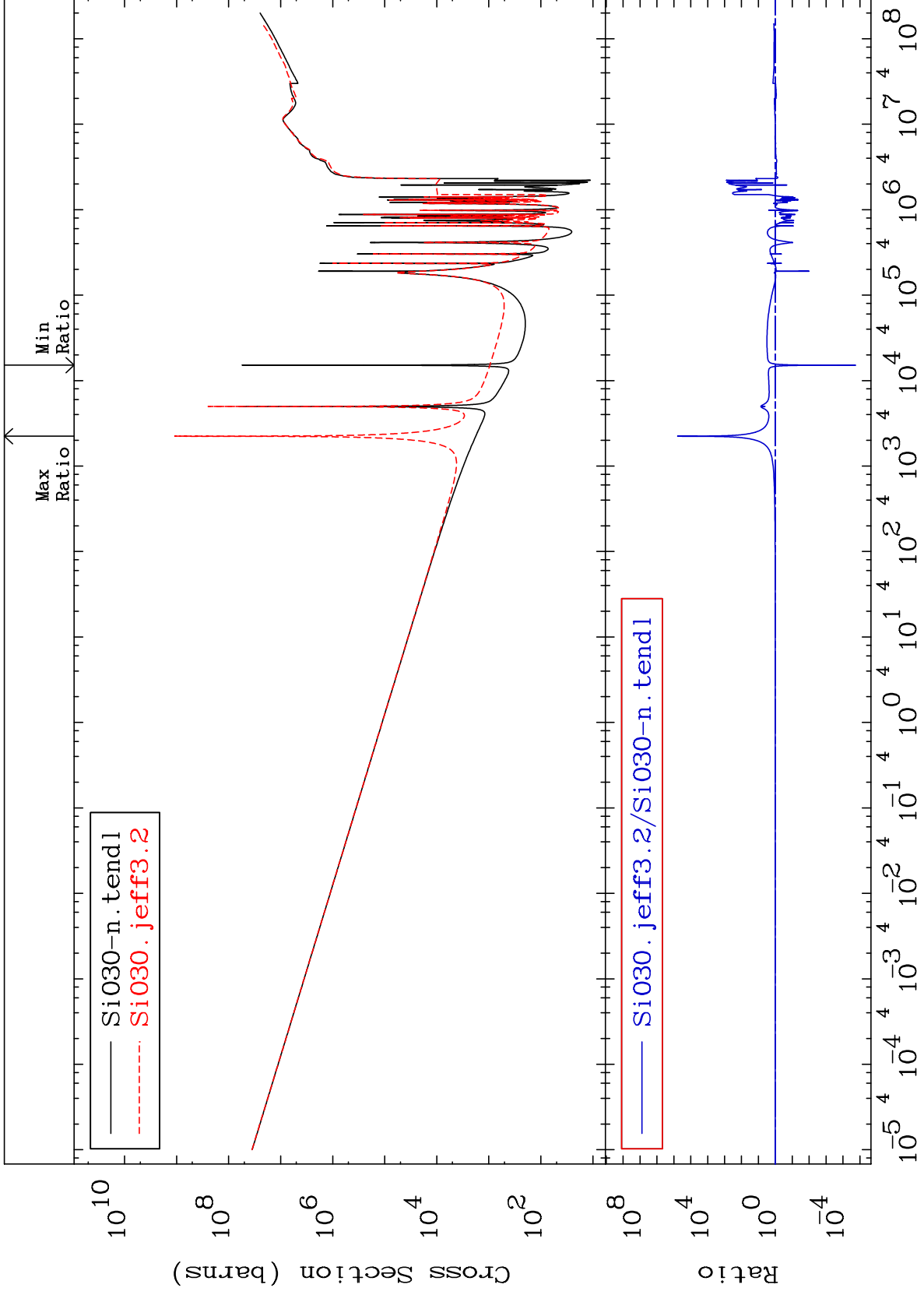


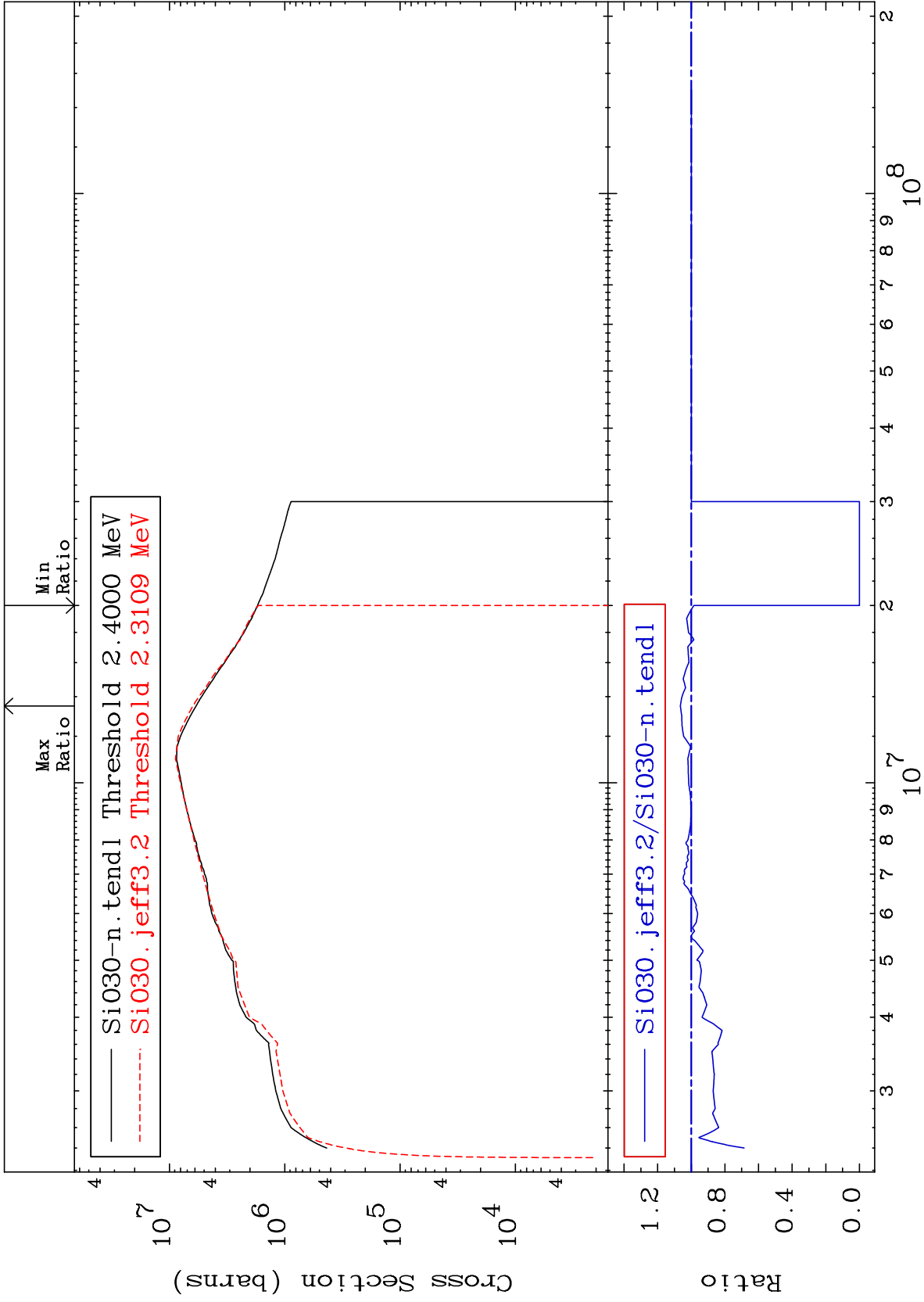
MAT 1431

Kerma elastic
Cross Section

14-Si-30
-92.22 To 9999. %



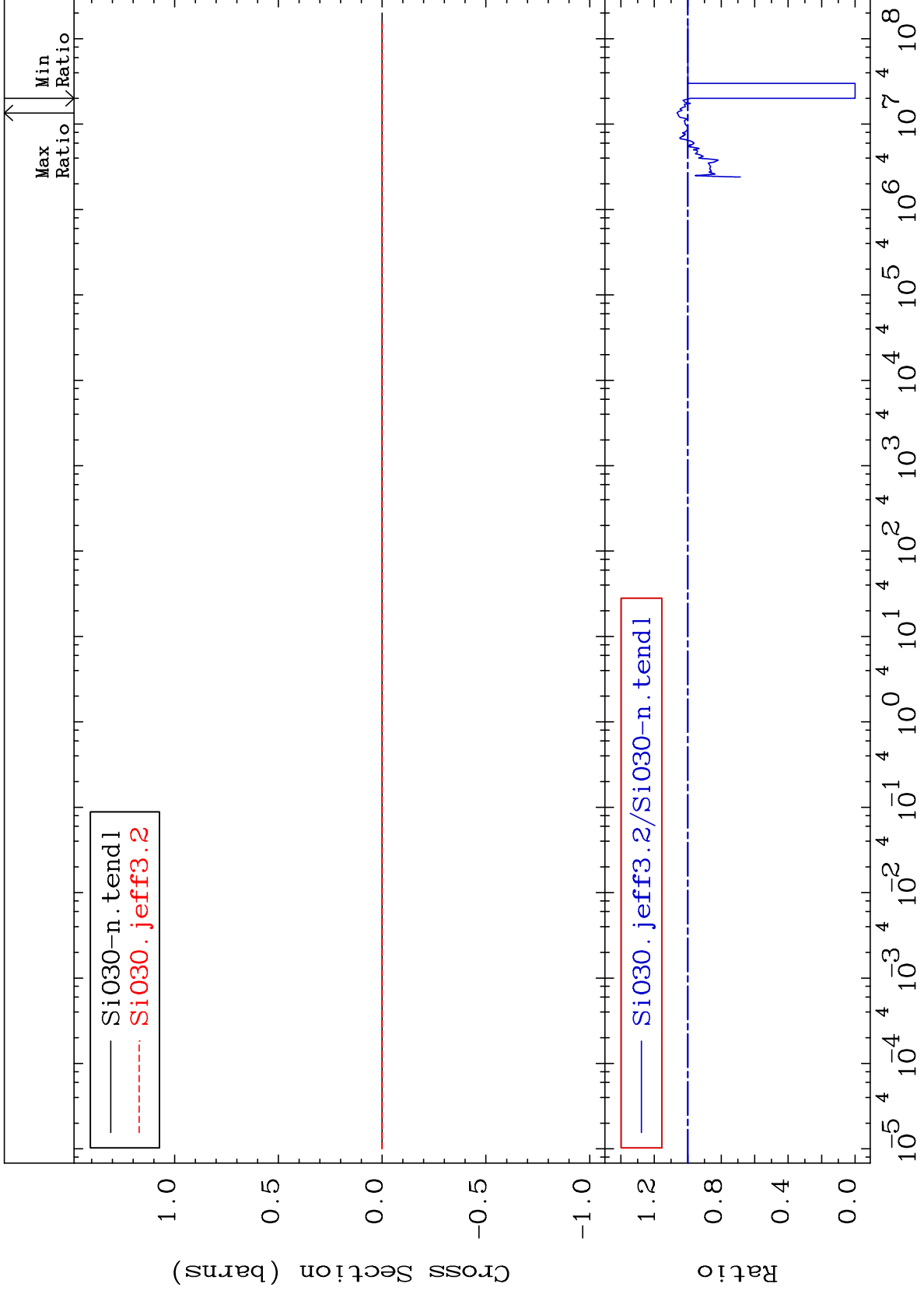




MAT 1431

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

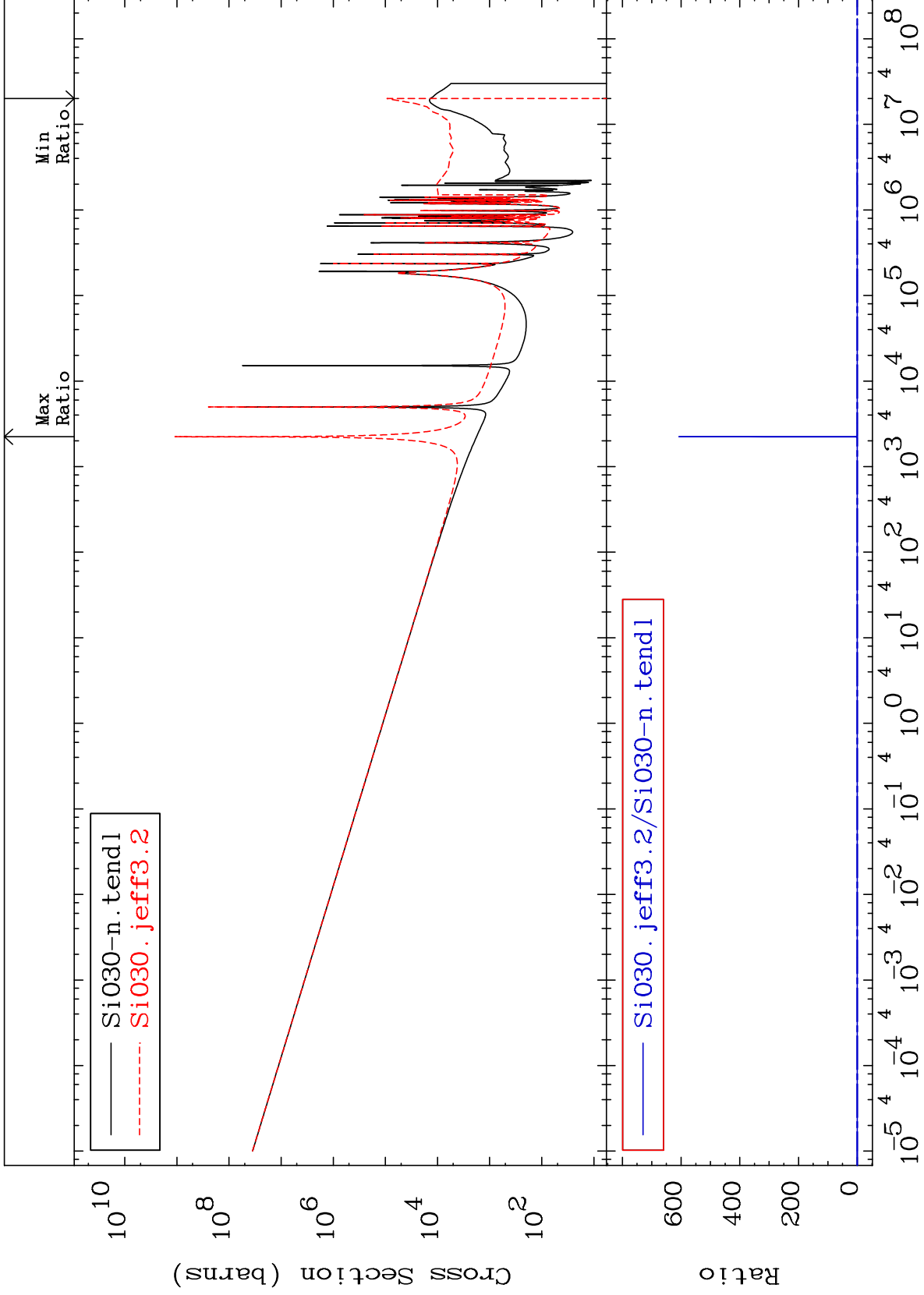
14-Si-30
-100.0 To 6.483 %



MAT 1431

Kerma capture (mt102)
Cross Section

14-Si-30
-100.0 To 9999. %



27

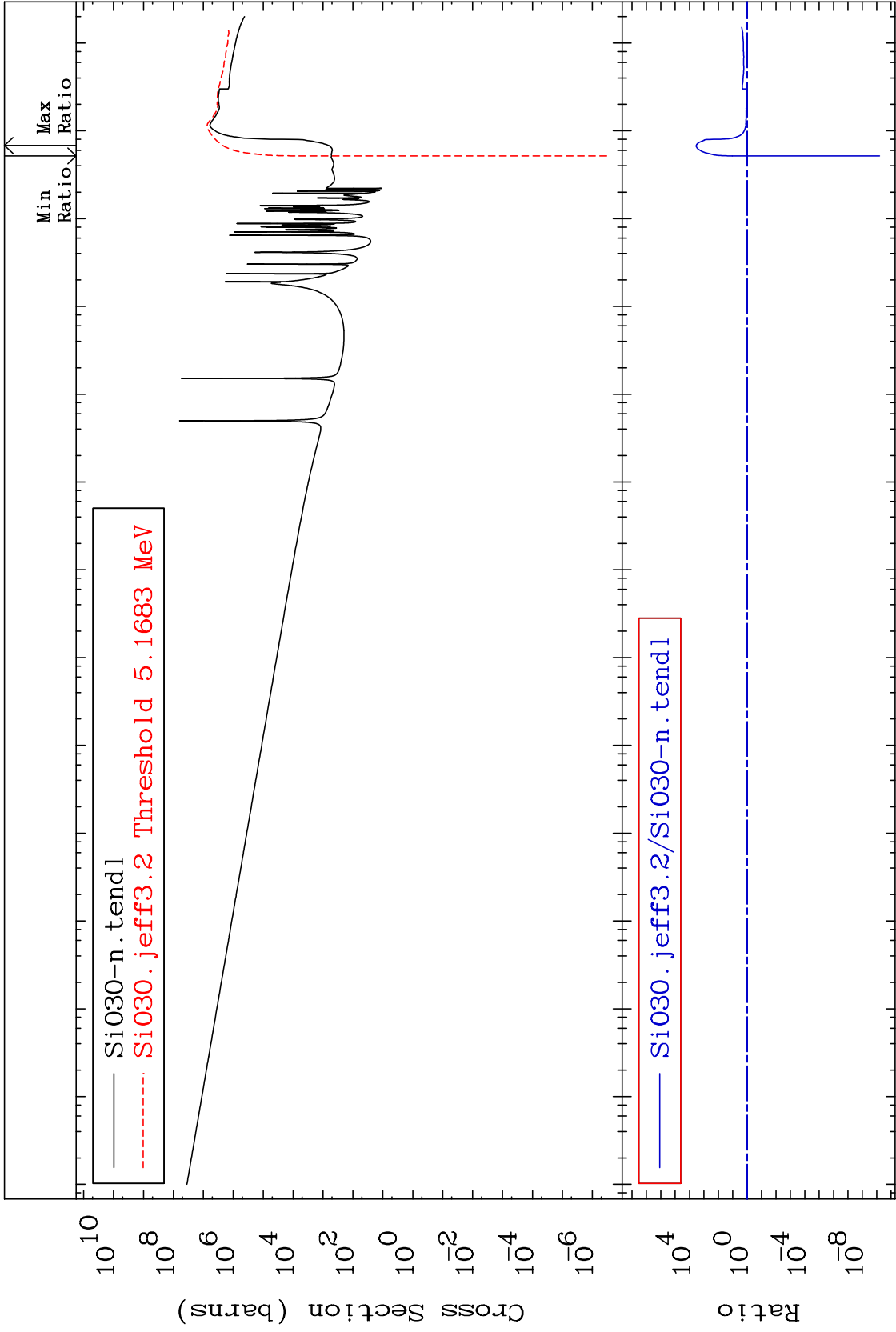
Incident Energy (eV)

14-Si-30

MAT 1431

Total photon (eV-barns)
Cross Section

14-Si-30
-100.0 To 9999. %



28

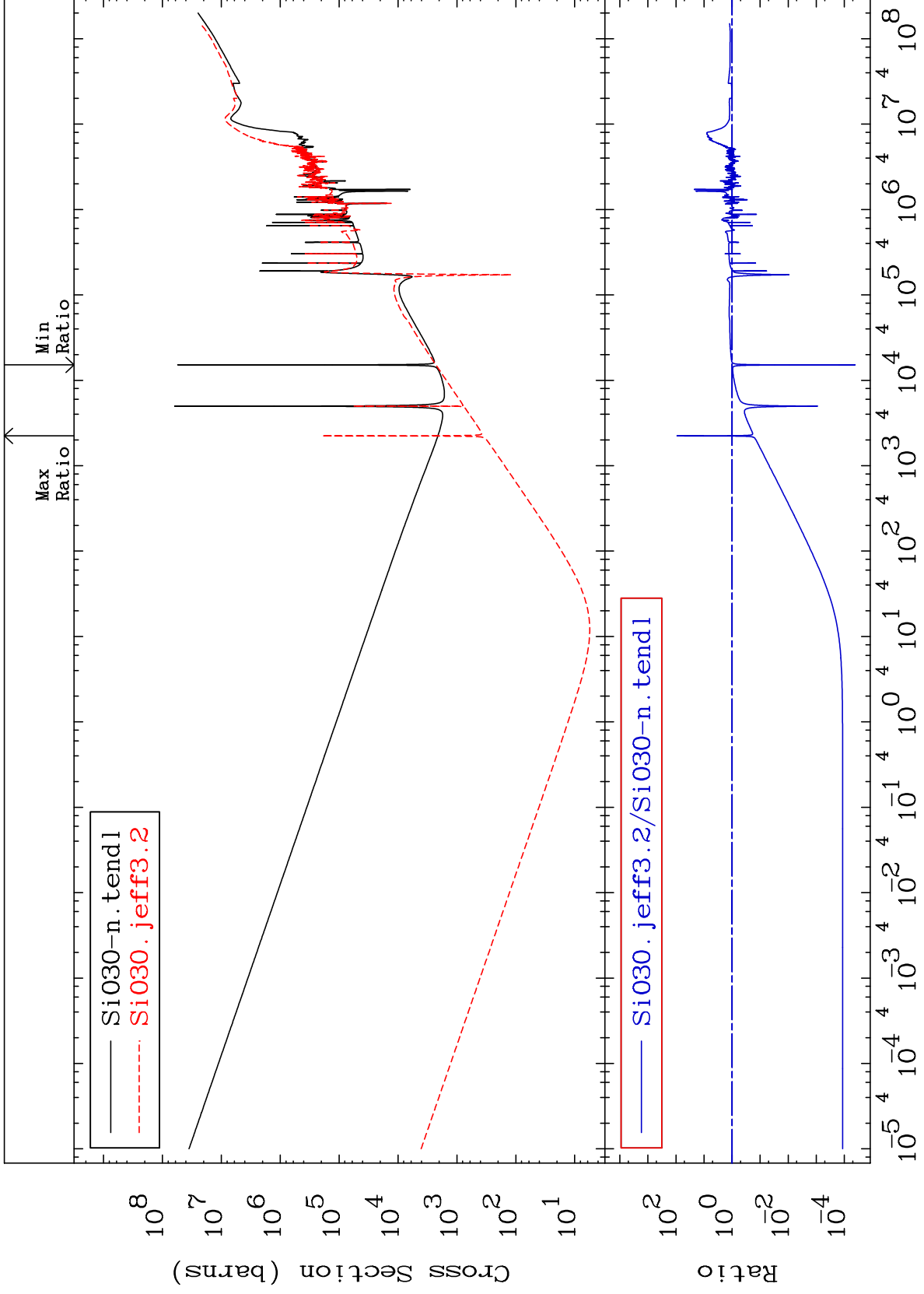
Incident Energy (eV)

14-Si-30

MAT 1431

Total kinematic kerma (high limit)
Cross Section

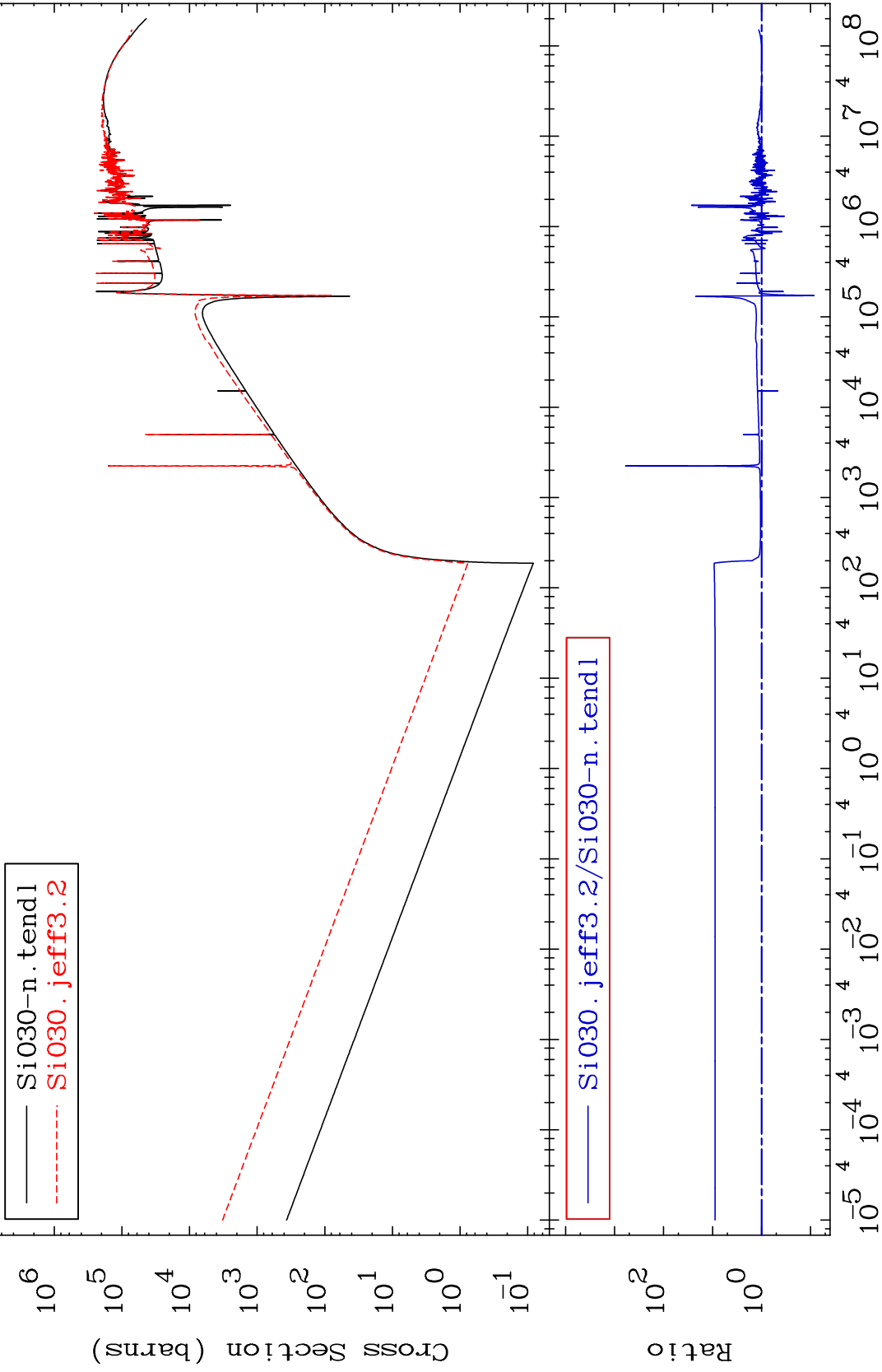
14-Si-30
-100.0 To 9158. %



MAT 1431

Dpa total (eV-barns)
Cross Section

14-Si-30
-91.51 To 9999. %



30

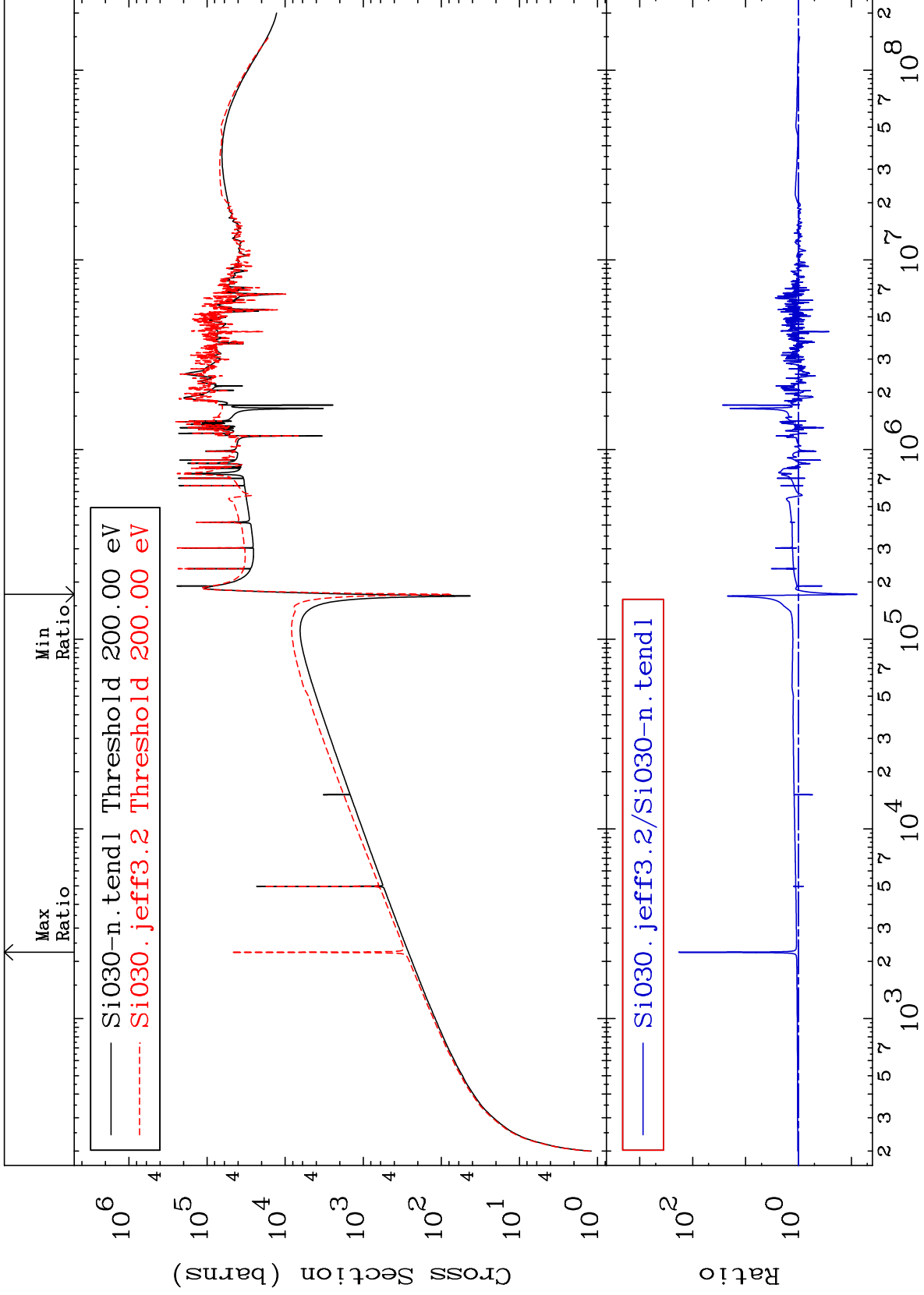
Incident Energy (eV)

14-Si-30

MAT 1431

Dpa elastic (mt2)
Cross Section

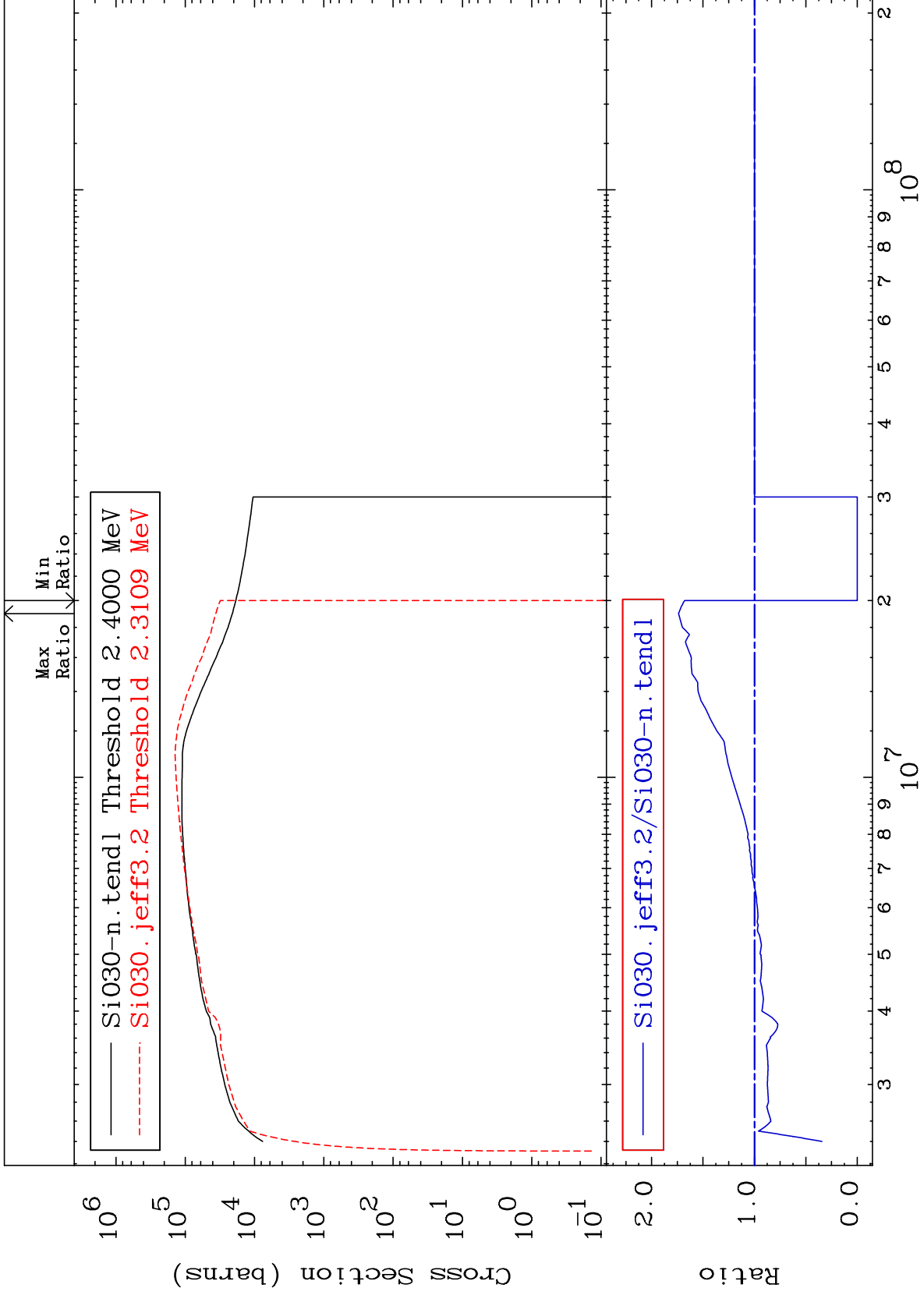
14-Si-30
-92.25 To 9999. %



MAT 1431

Dpa inelastic (mt51-91)
Cross Section

14-Si-30
-100.0 To 73.69 %



MAT 1431

Dpa disappearance (mt102 -120)
Cross Section

14-Si-30
-100.0 To 9999. %

