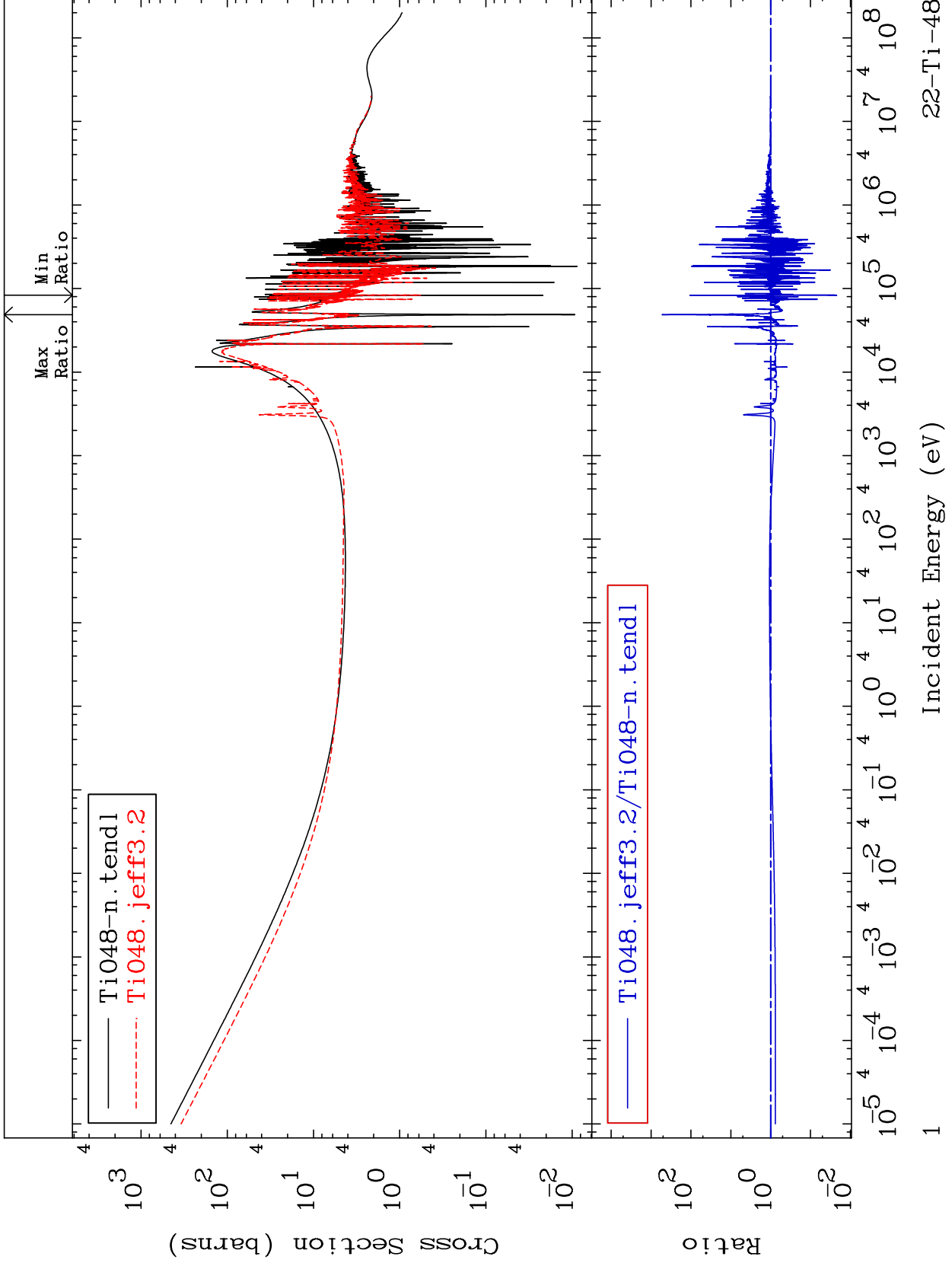


MAT 2231

Total
Cross Section

22-Ti-48
-97.79 To 9999. %



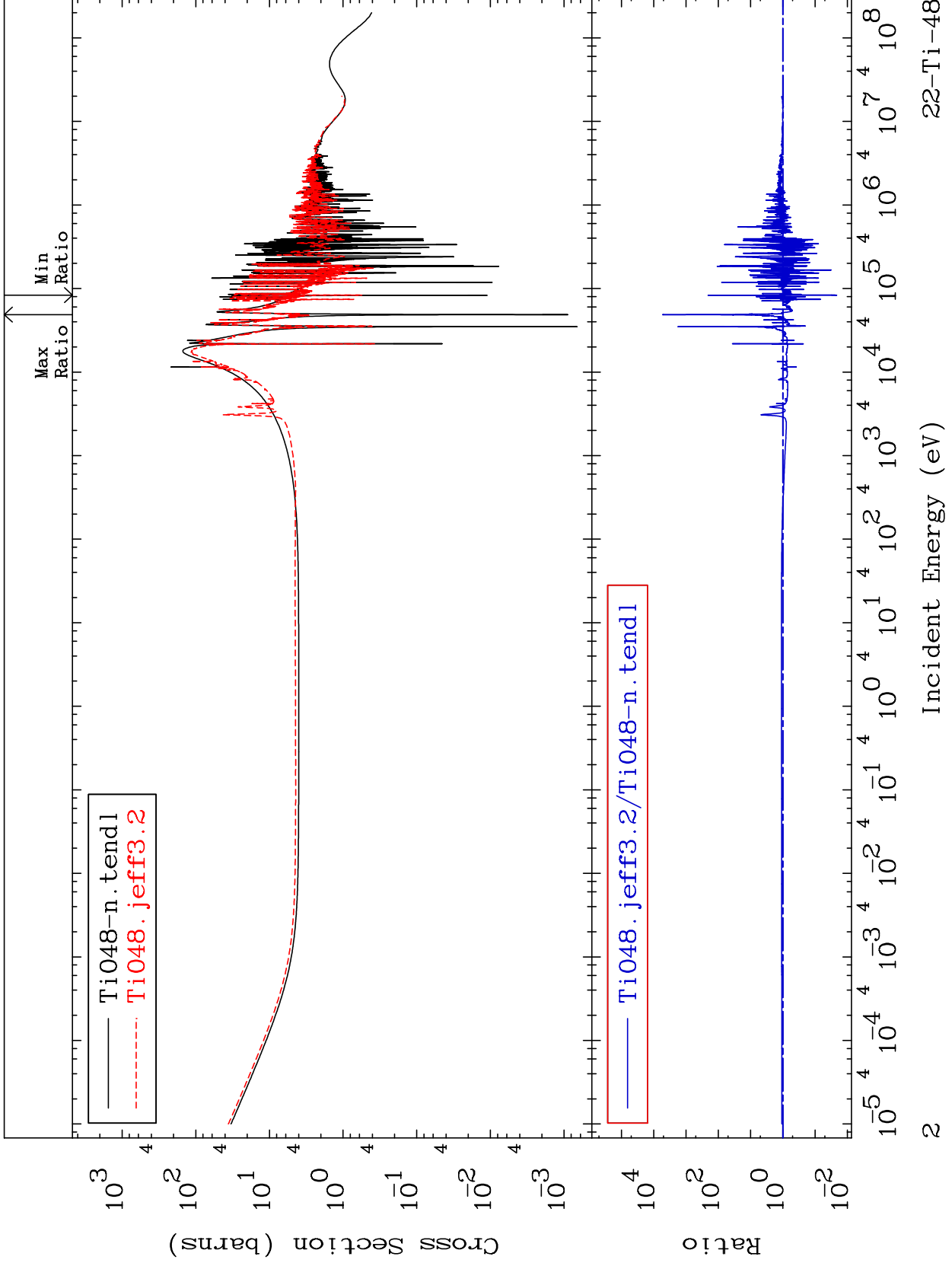
22-Ti-48

Incident Energy (eV)

MAT 2231

Elastic
Cross Section

22-Ti-48
-97.84 To 9999. %

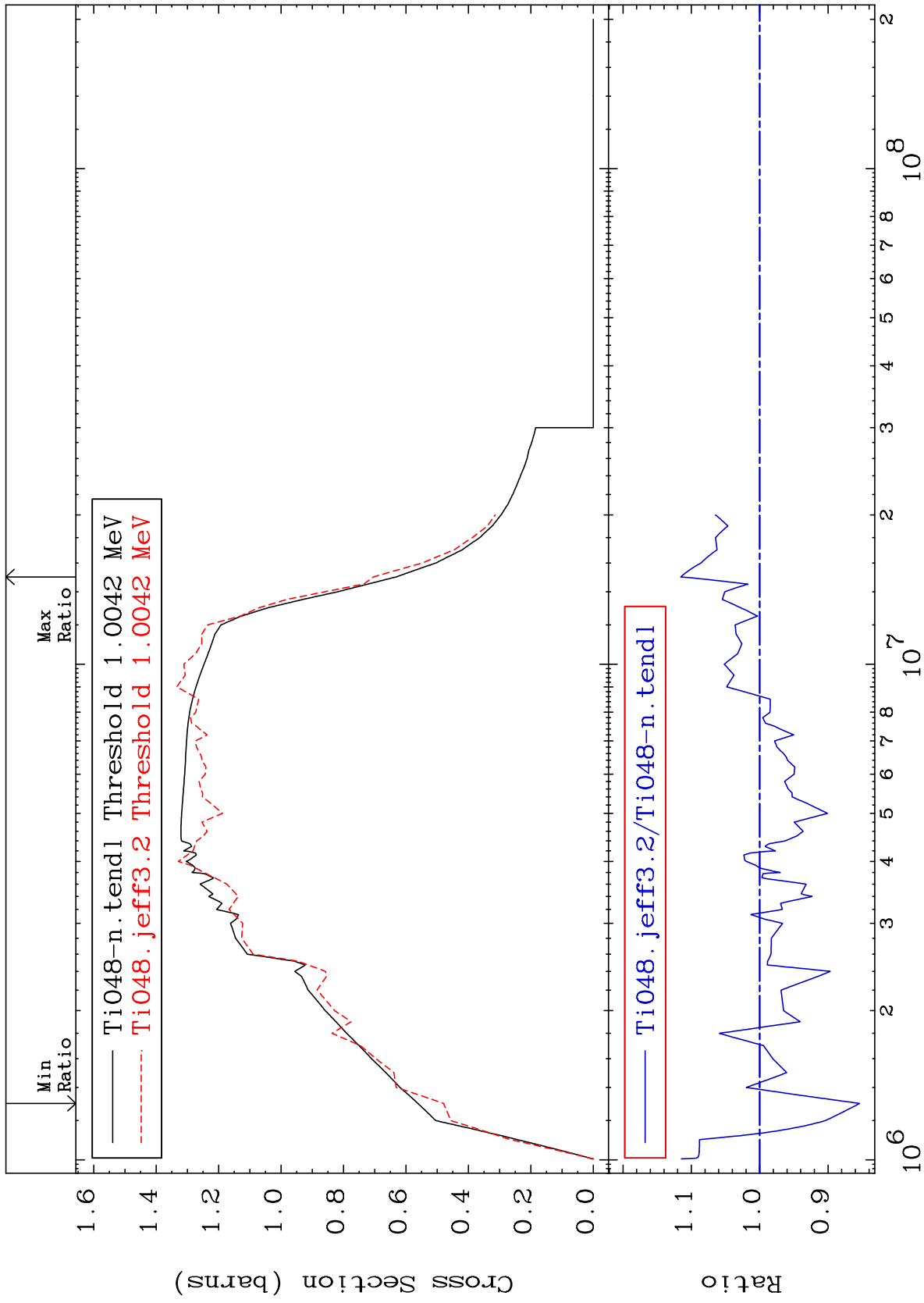


22-Ti-48

Incident Energy (eV)

2

MAT 2231 Inelastic Cross Section 22-Ti-48
-14.61 To 11.54 %

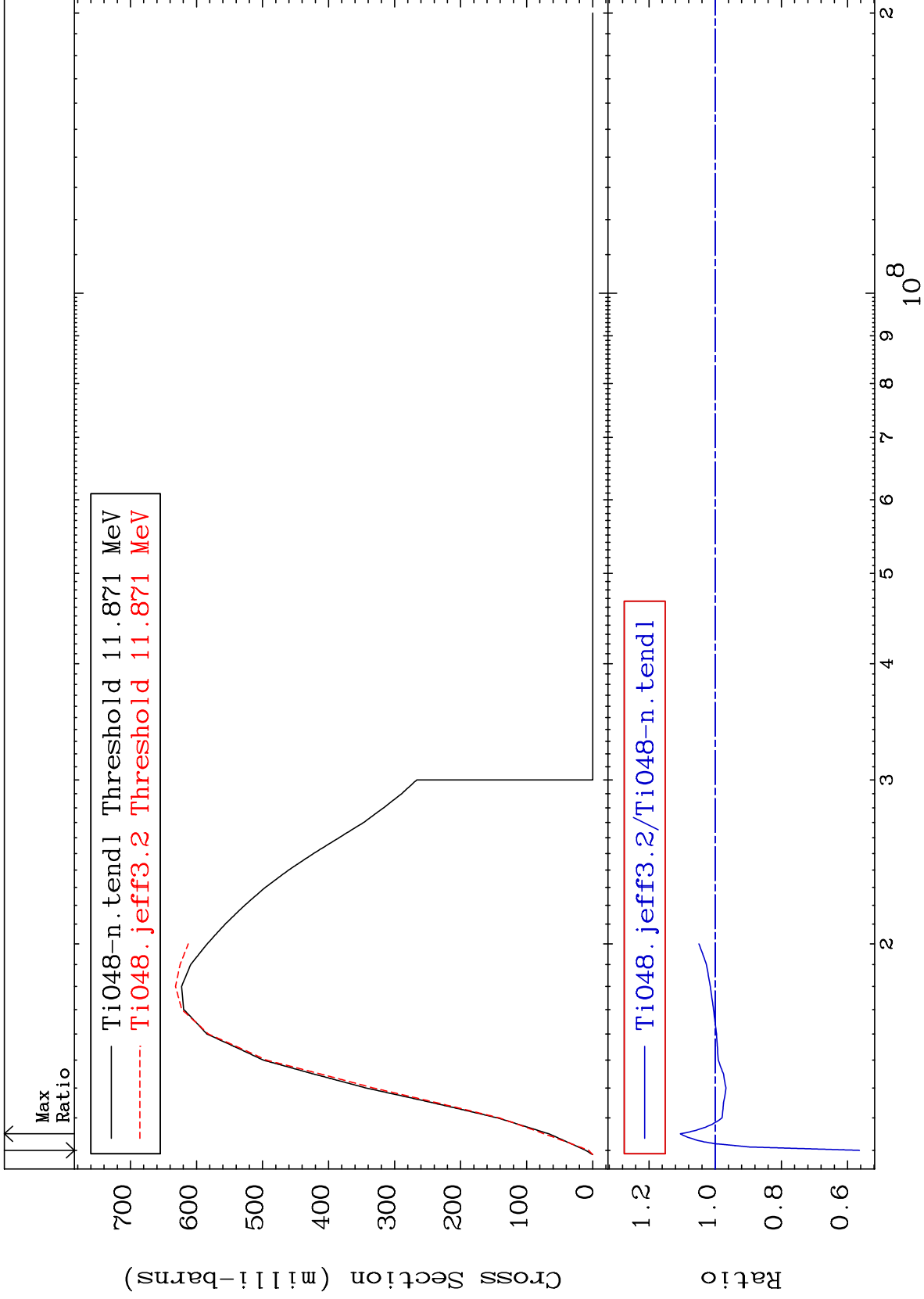


3 2 3 4 5 6 7 8 10⁶ 10⁷ 10⁸ 22-Ti-48

MAT 2231

(n,2n)
Cross Section

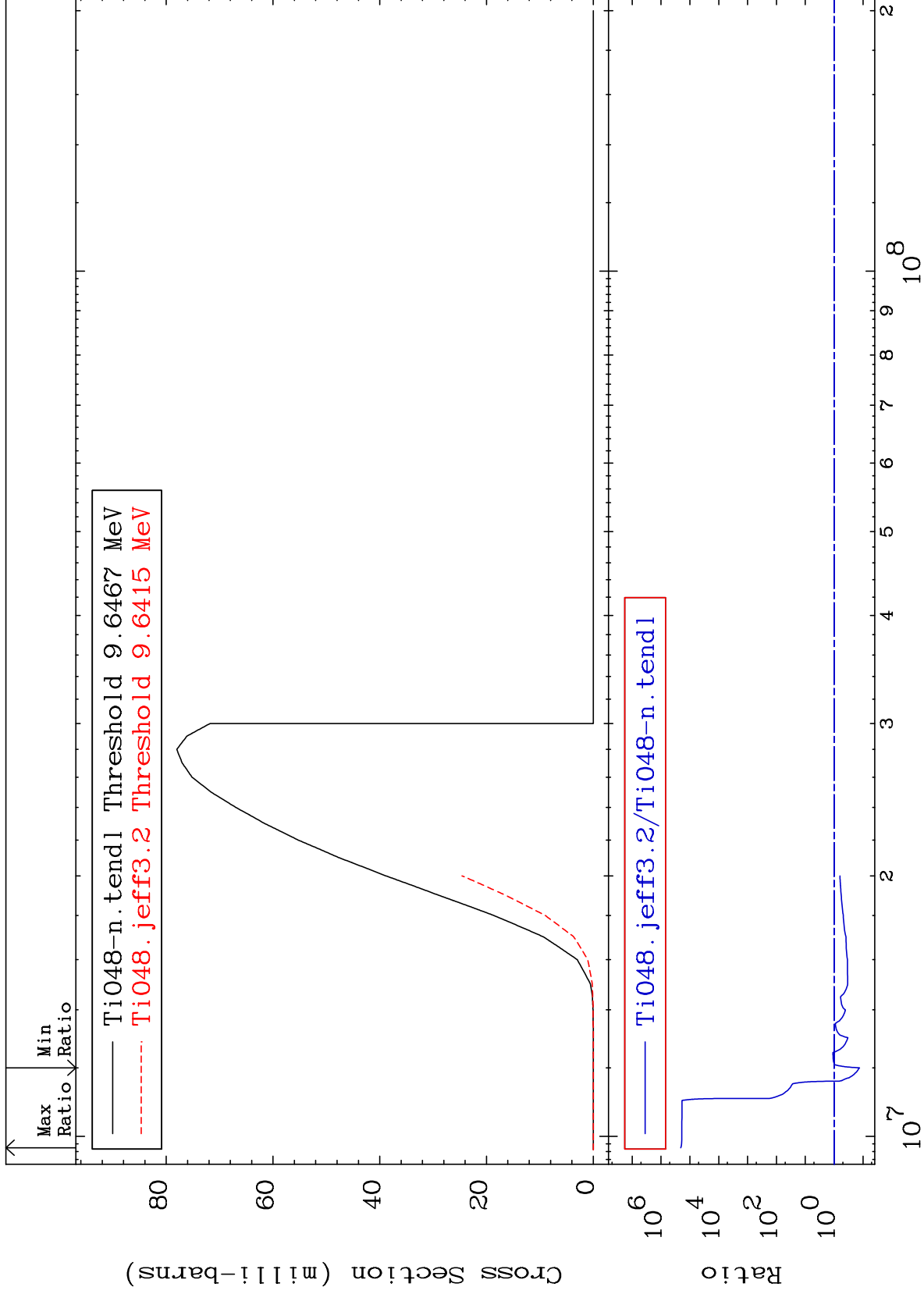
22-Ti-48
-43.59 To 10.52 %



MAT 2231

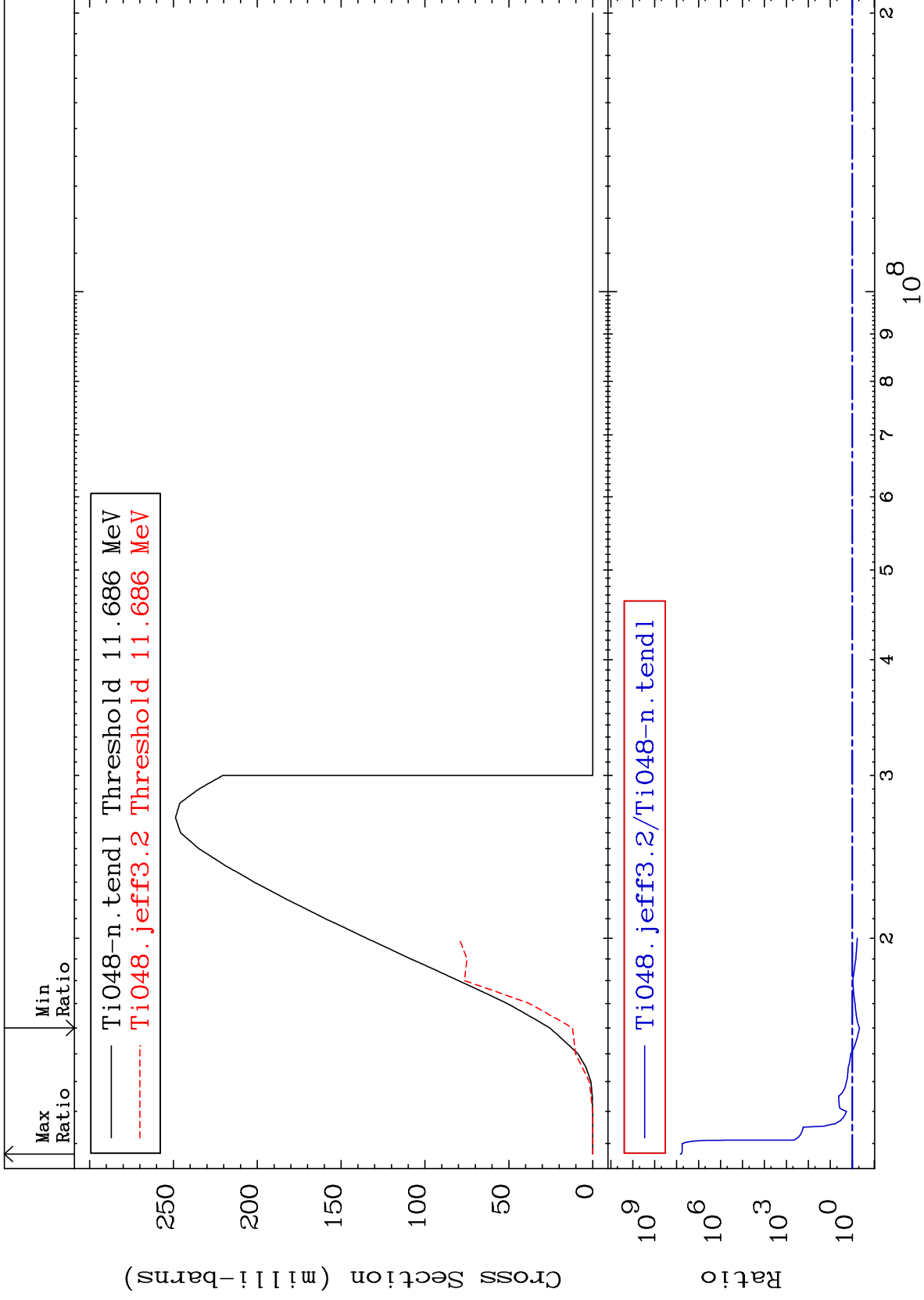
(n,n') α
Cross Section

22-Ti-48
-86.81 To 9999. %



22-Ti-48

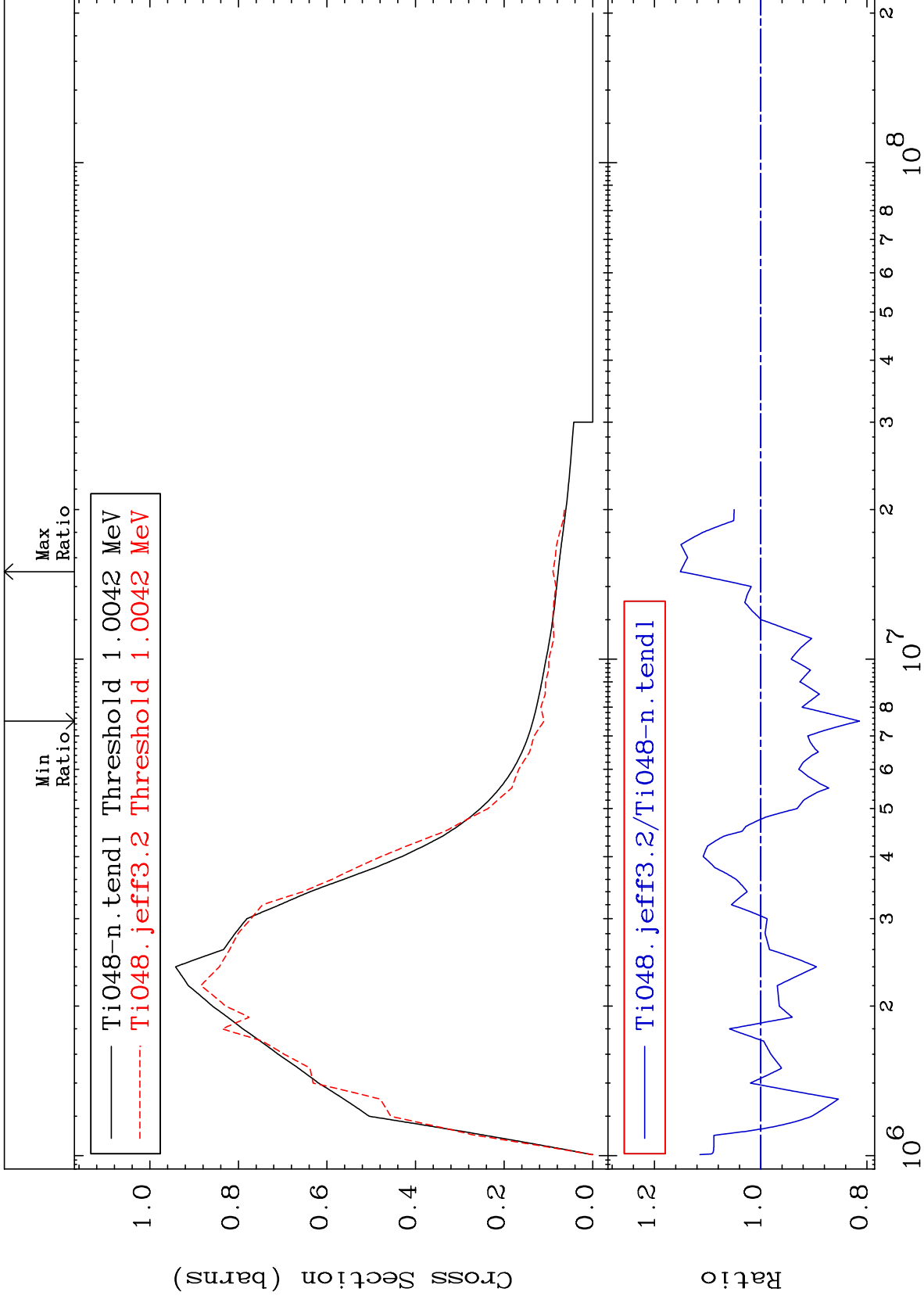
22-Ti-48



MAT 2231

983.5 keV (n,n') Level
Cross Section

22-Ti-48
-18.59 To 15.14 %



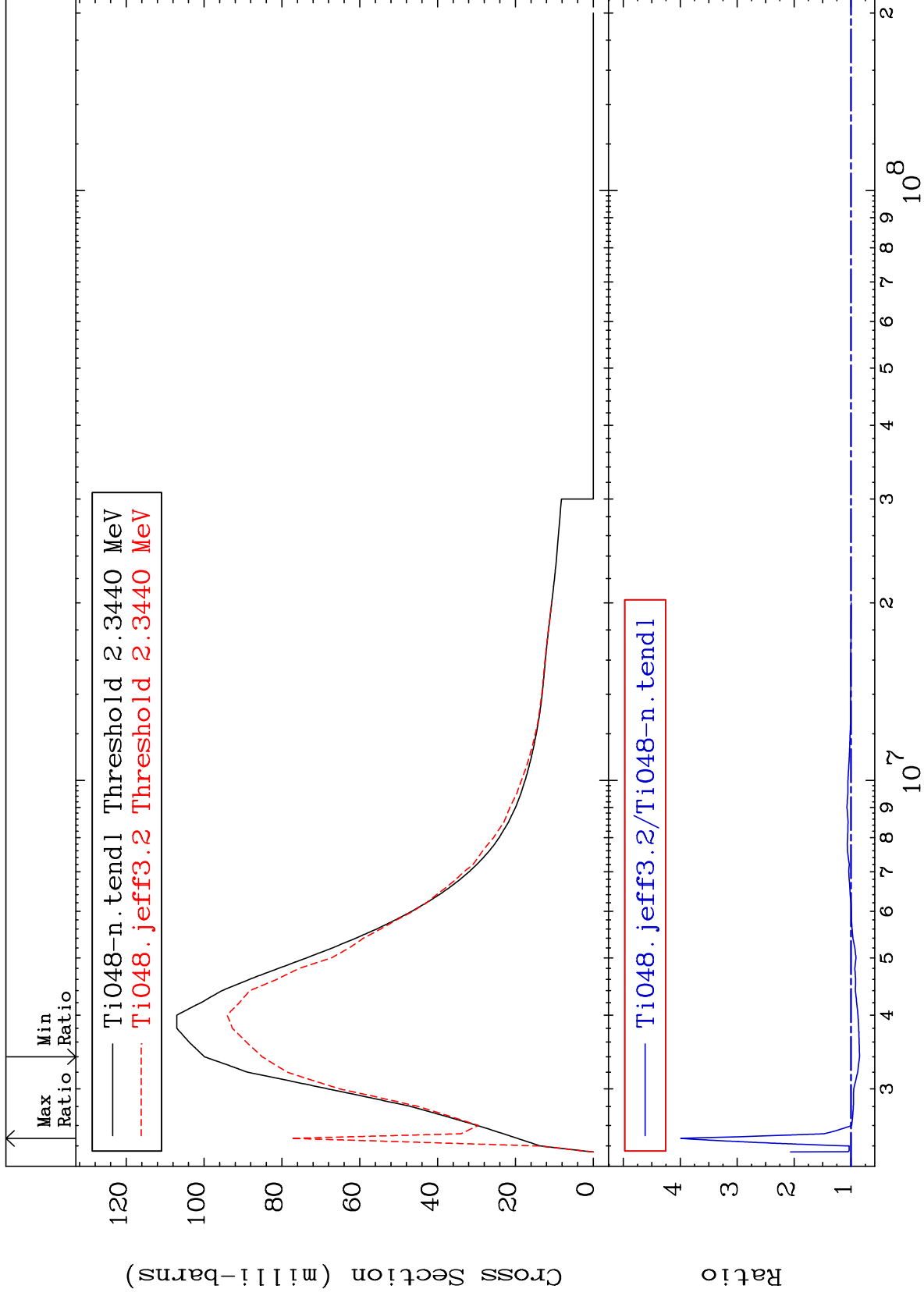
Incident Energy (eV)

22-Ti-48

MAT 2231

2.296 MeV (n,n') Level
Cross Section

22-Ti-48
-14.86 To 299.1 %



8

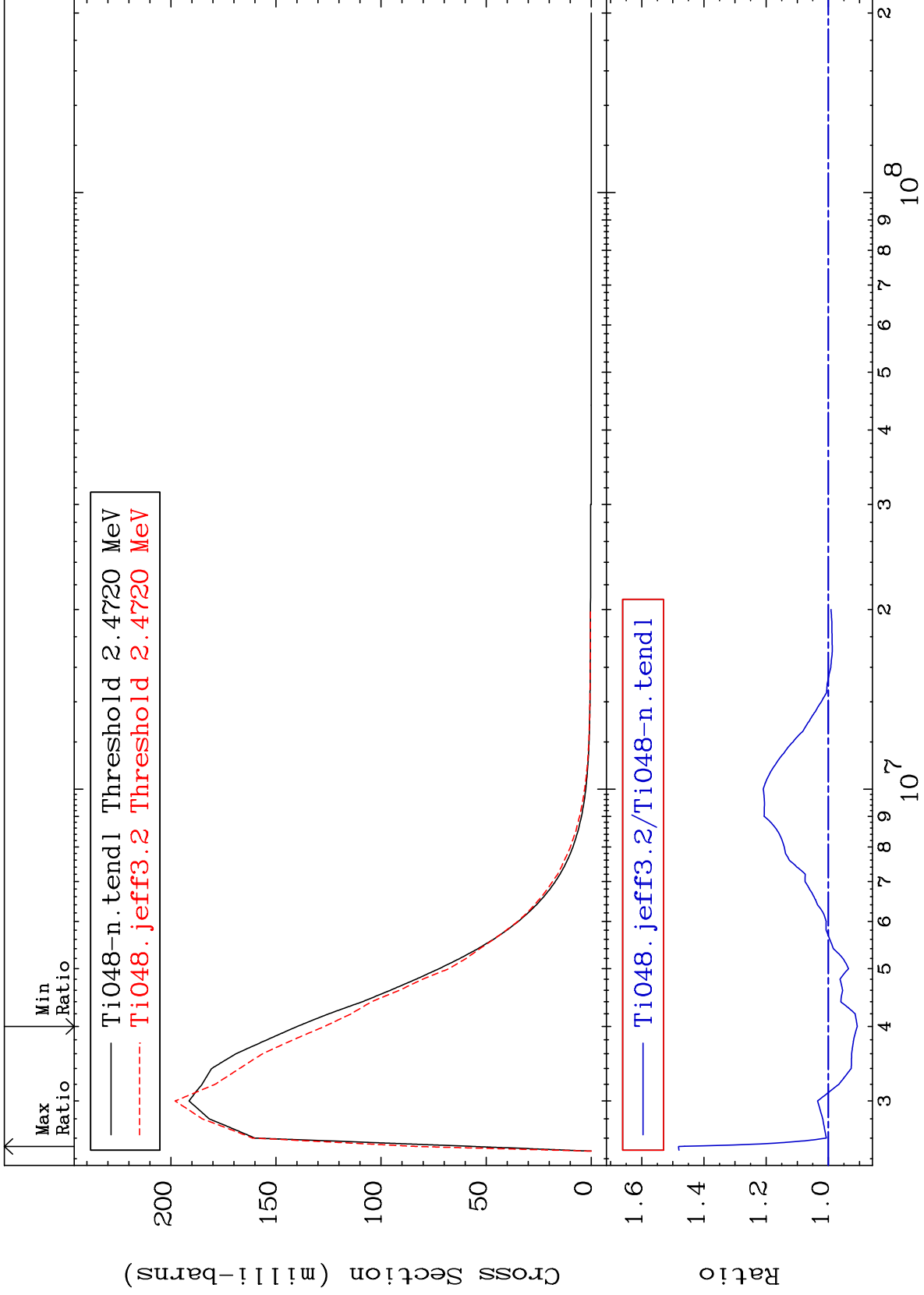
22-Ti-48

22-Ti-48

MAT 2231

2.421 MeV (n,n') Level
Cross Section

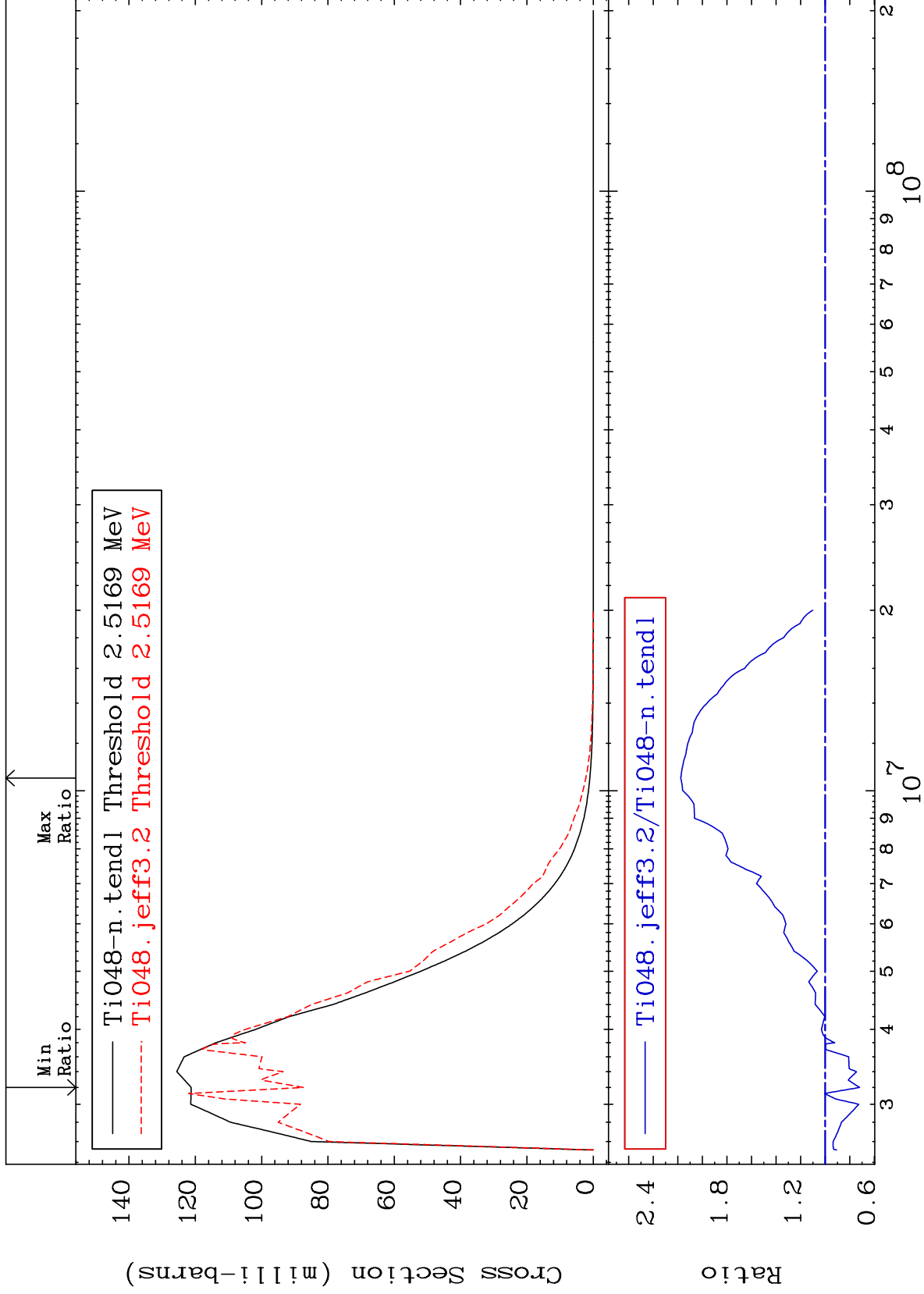
22-Ti-48
-9.277 To 48.14 %



MAT 2231

2.465 MeV (n,n') Level
Cross Section

²²Ti-48
-27.90 To 117.7 %



10

Incident Energy (eV)

²²Ti-48

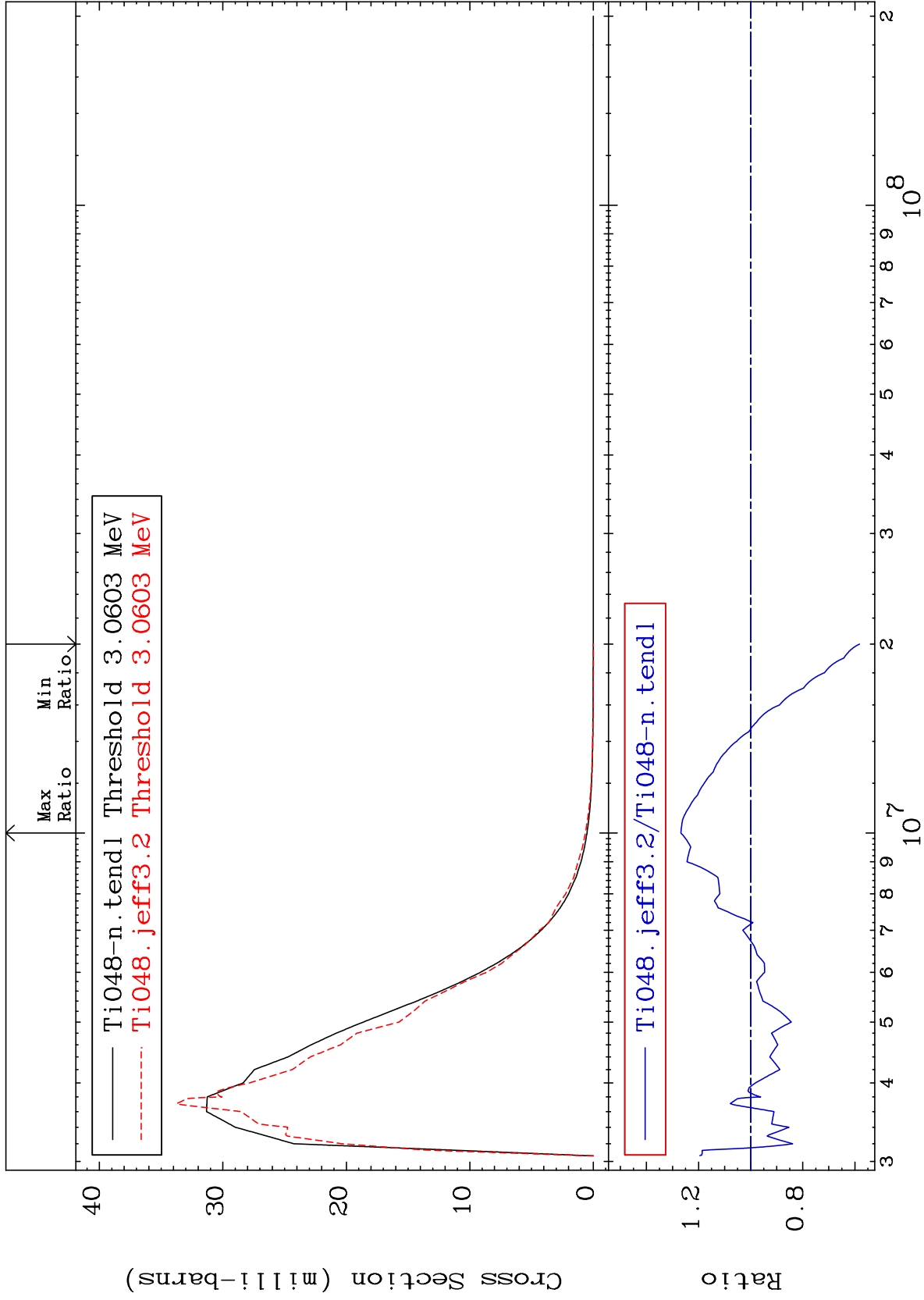
MAT 2231

2.997 MeV (n,n') Level

²²Ti-48

-41.79 To 26.84 %

Cross Section



11

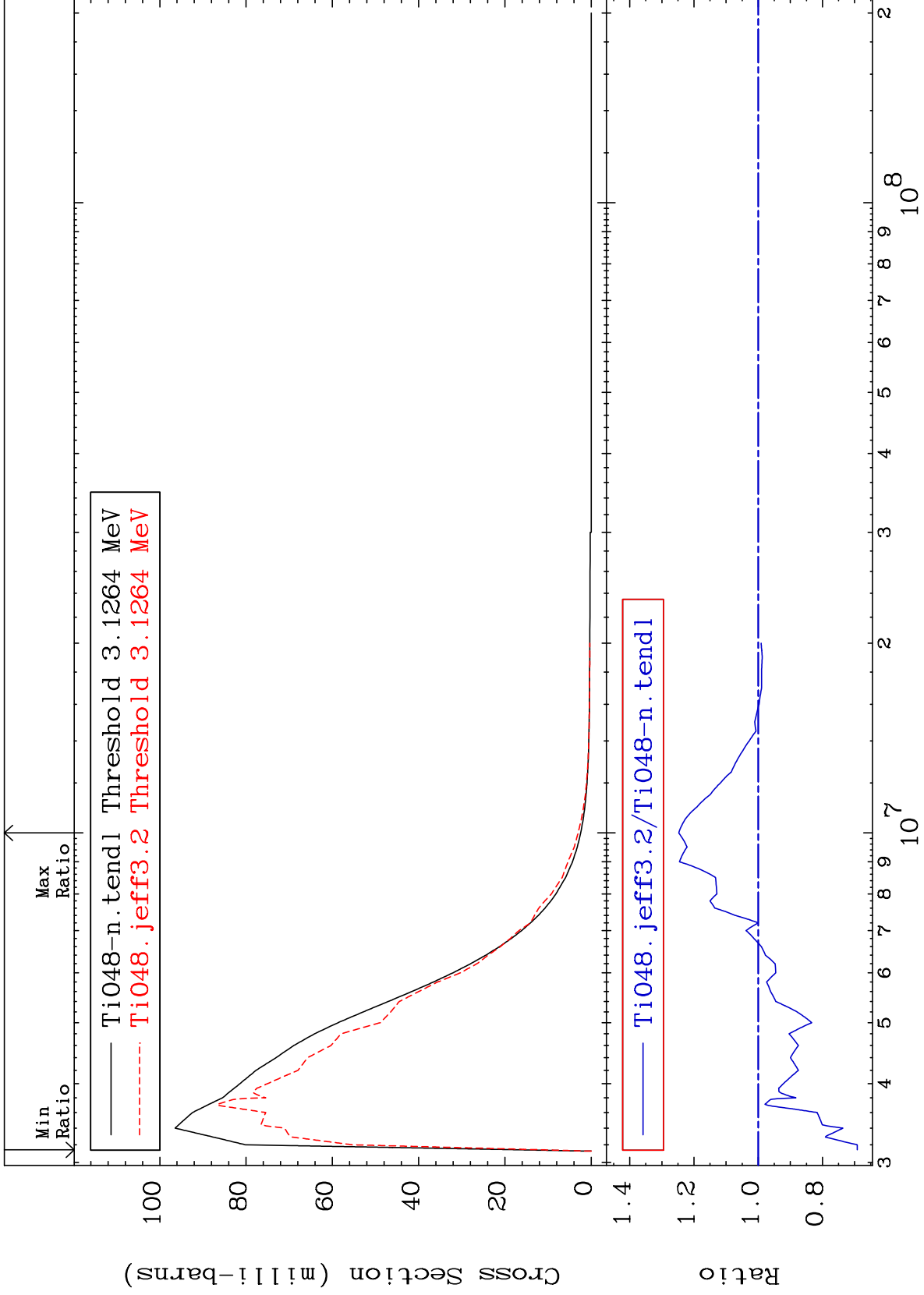
Incident Energy (eV)

²²Ti-48

MAT 2231

3.062 MeV (n,n') Level
Cross Section

22-Ti-48
-30.83 To 24.78 %



12

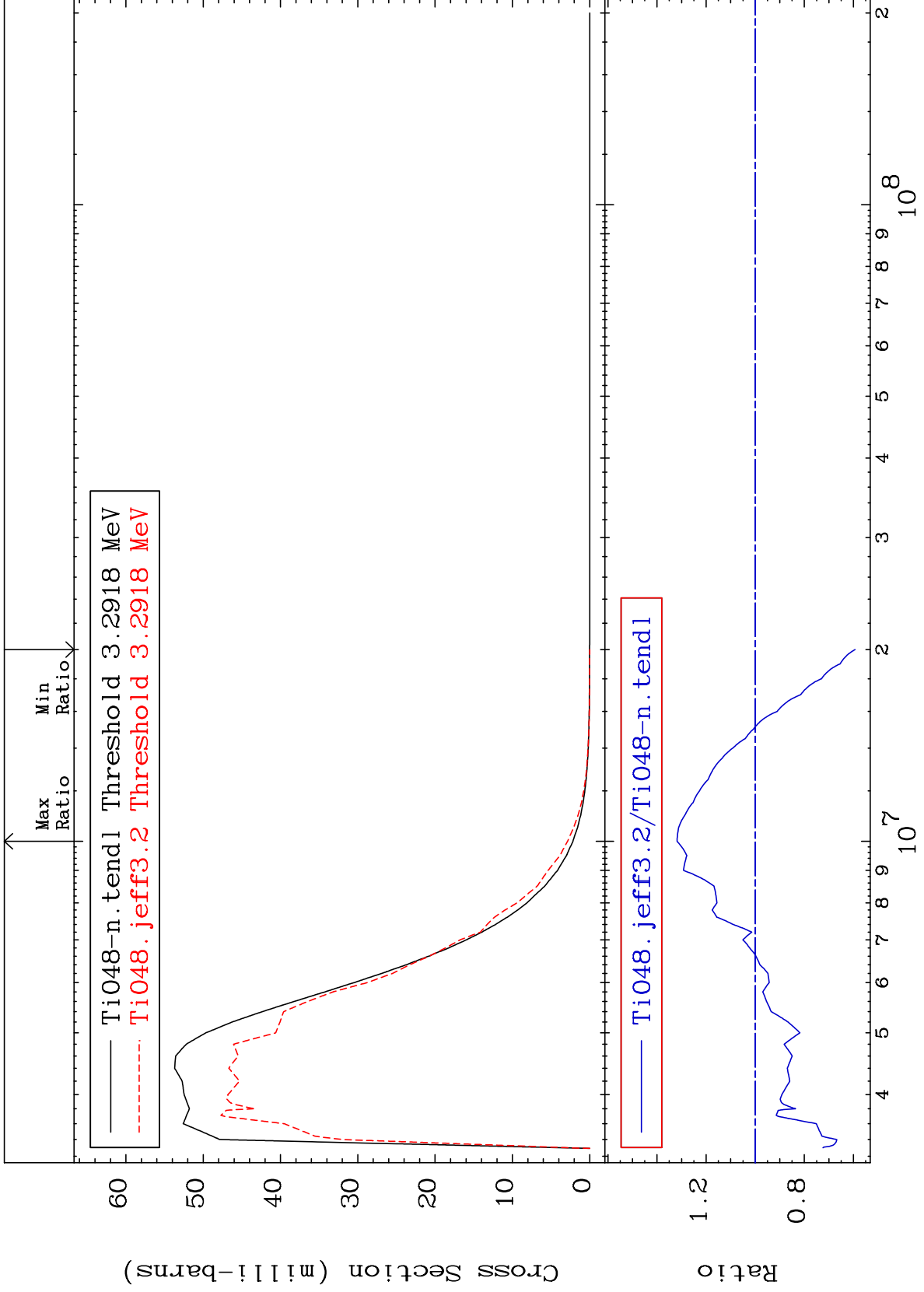
22-Ti-48

22-Ti-48

MAT 2231

3.224 MeV (n,n') Level
Cross Section

22-Ti-48
-40.67 To 31.89 %



13

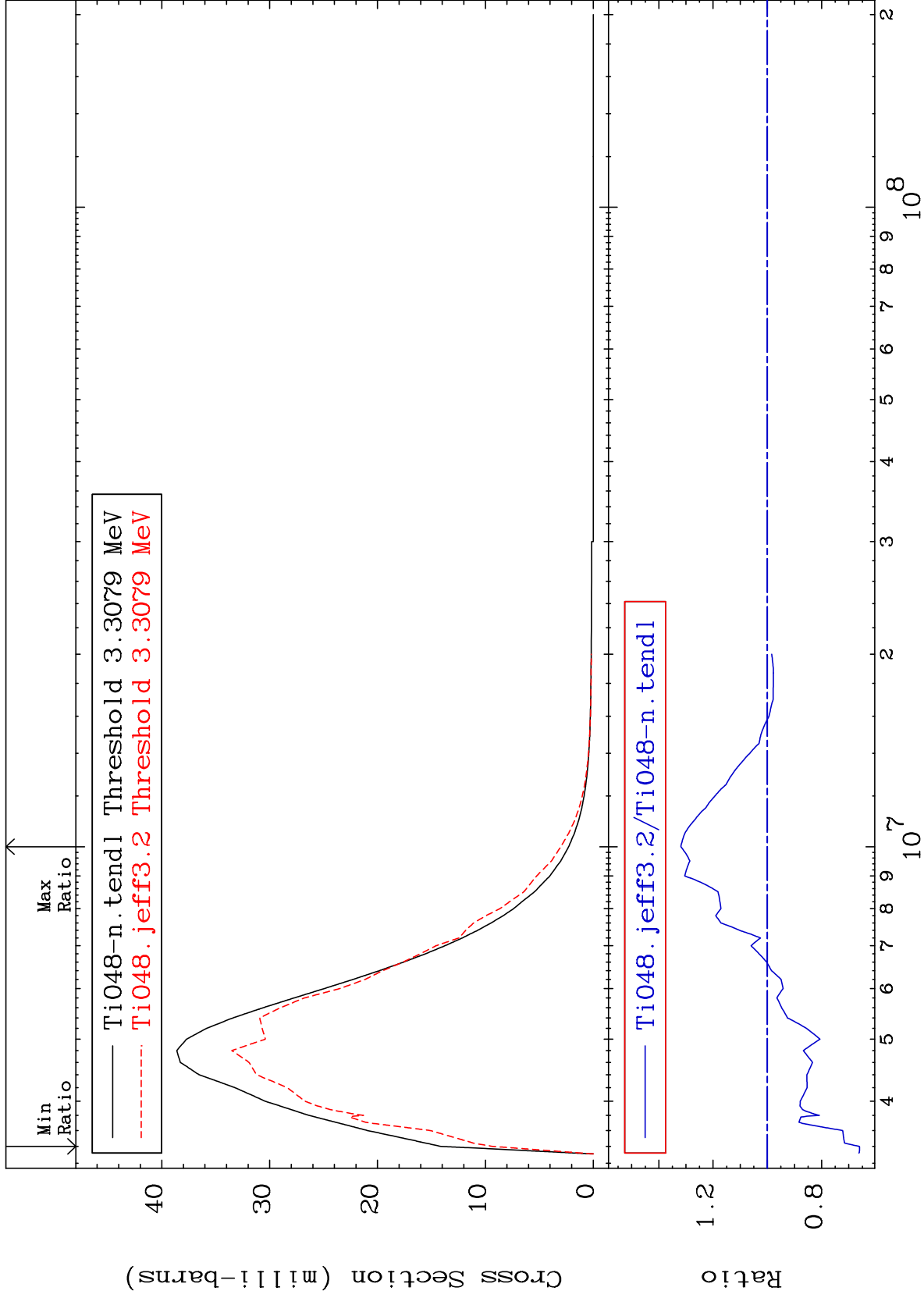
Incident Energy (eV)

22-Ti-48

MAT 2231

3.240 MeV (n,n') Level
Cross Section

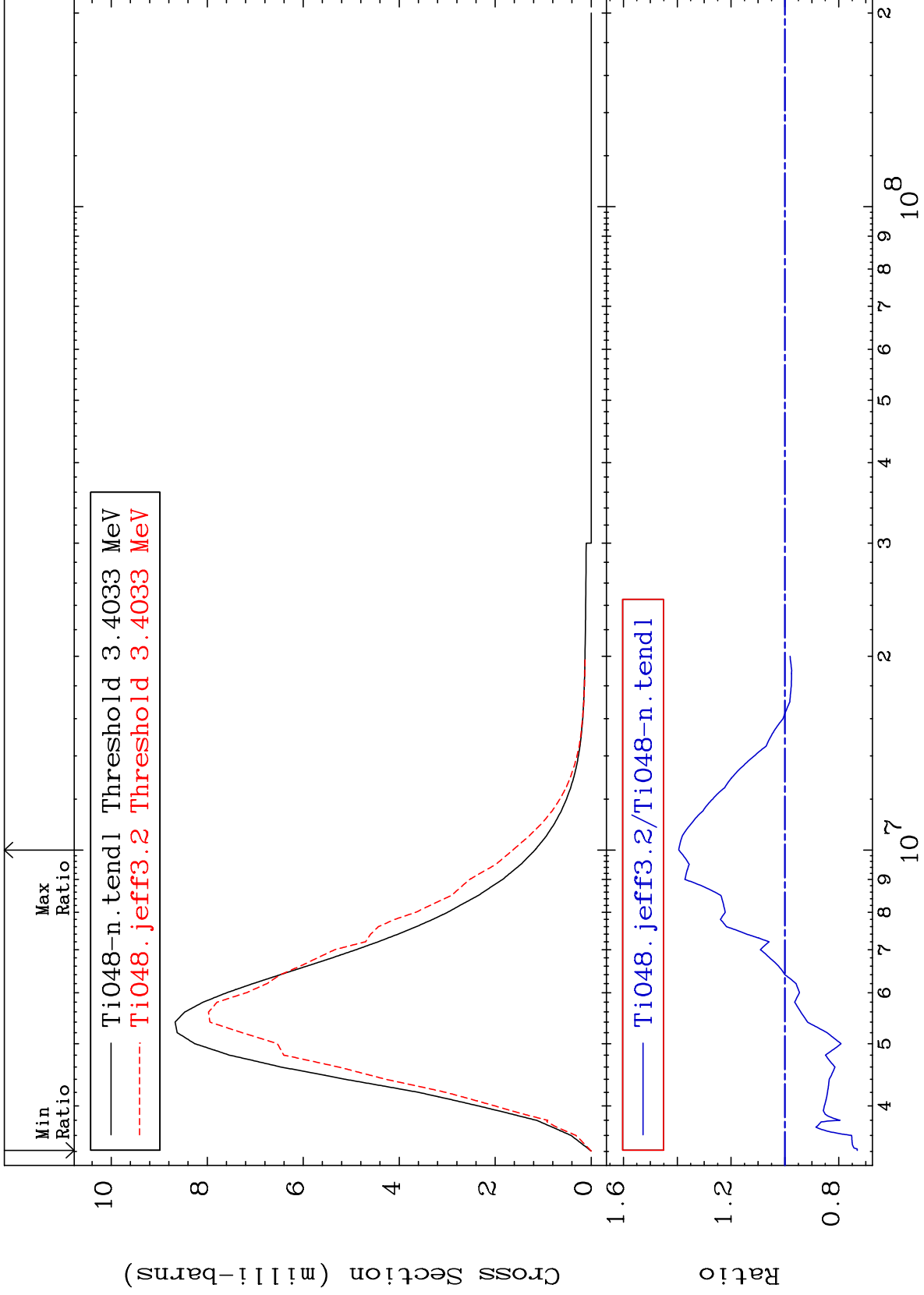
22-Ti-48
-33.96 To 31.91 %



MAT 2231

3.333 MeV (n,n') Level
Cross Section

22-Ti-48
-26.86 To 39.48 %



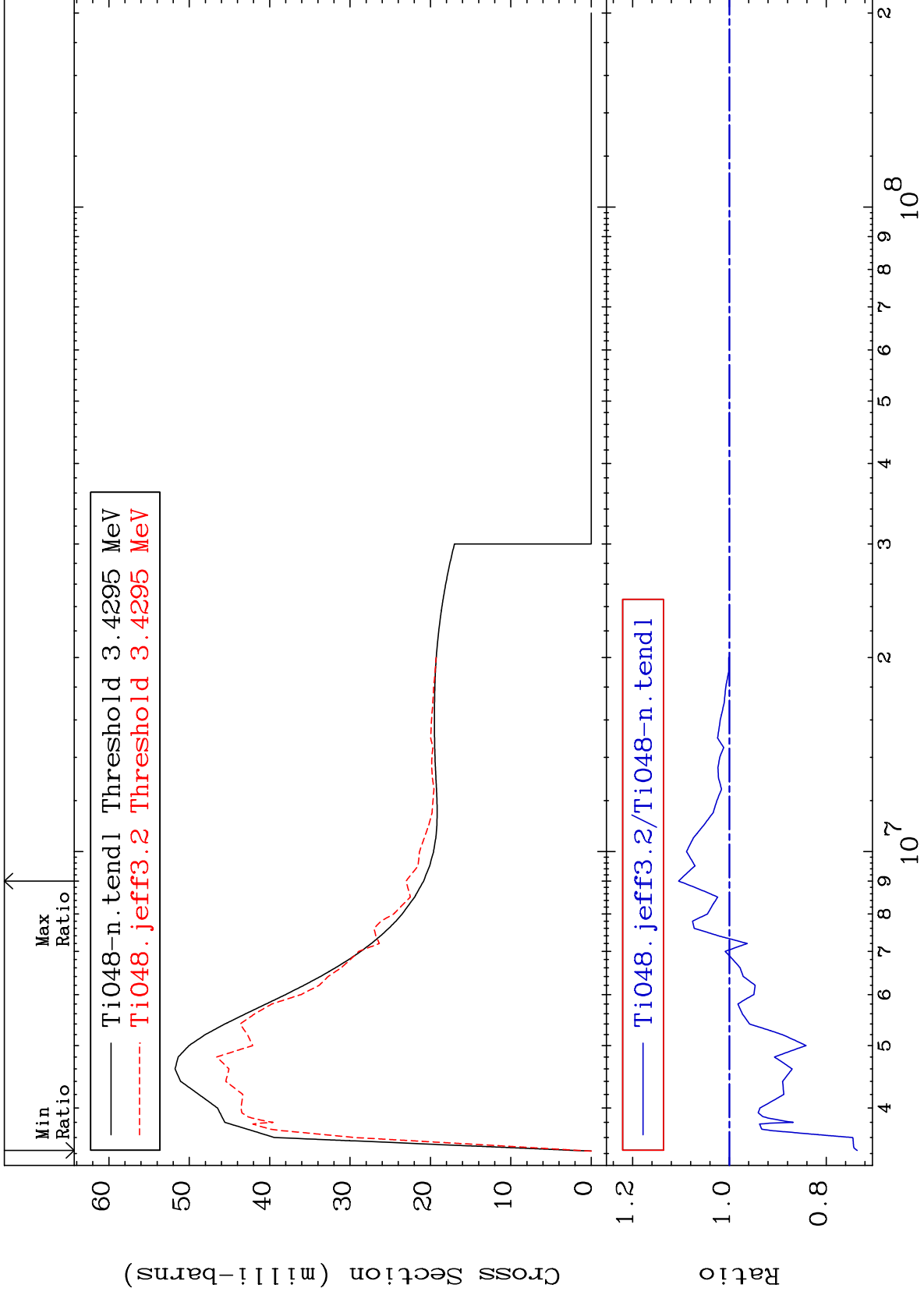
15

22-Ti-48

MAT 2231

3.359 MeV (n,n') Level
Cross Section

22-Ti-48
-26.42 To 10.49 %



16

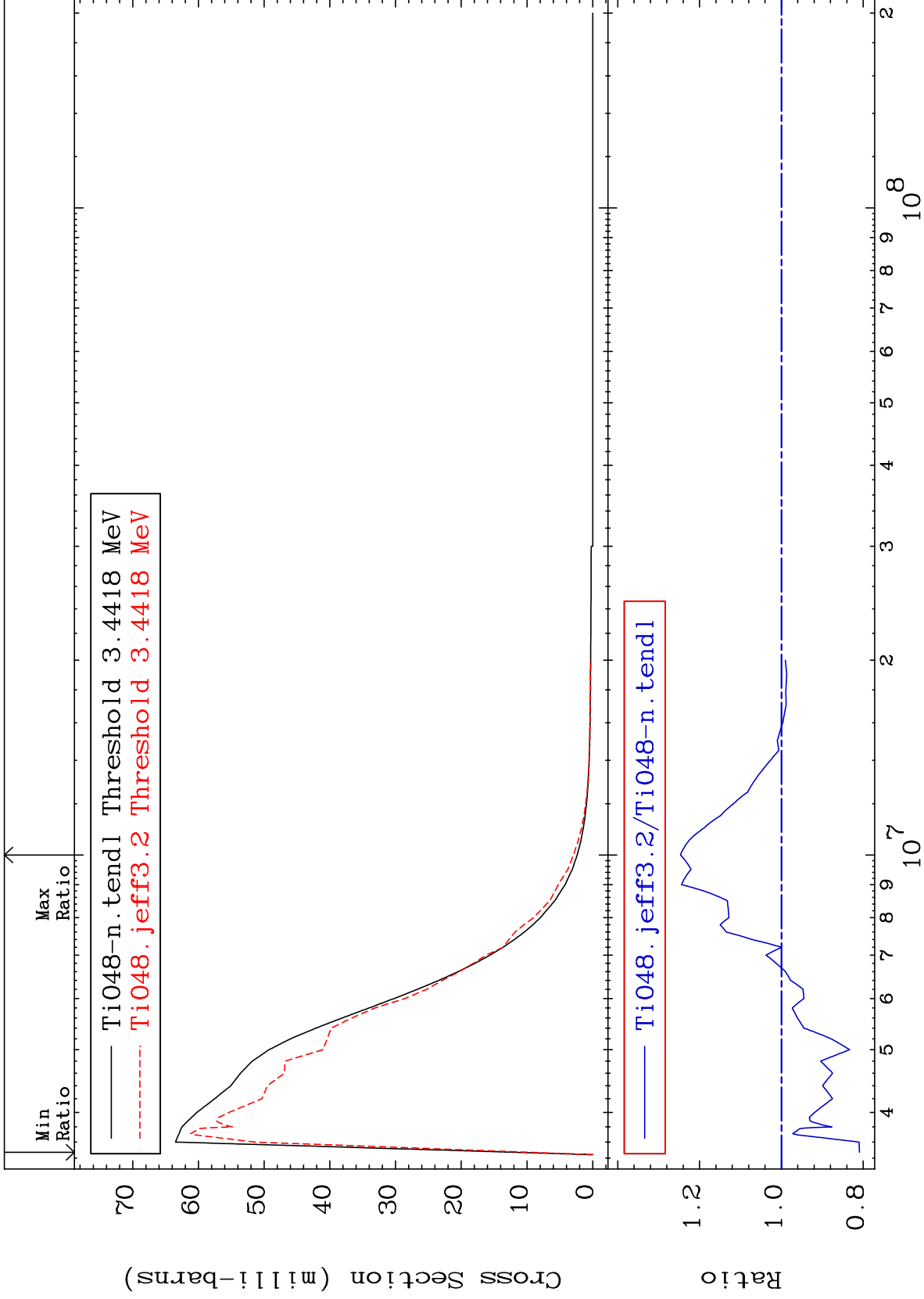
Incident Energy (eV)

22-Ti-48

MAT 2231

3.371 MeV (n,n') Level
Cross Section

22-Ti-48
-19.07 To 24.69 %



17

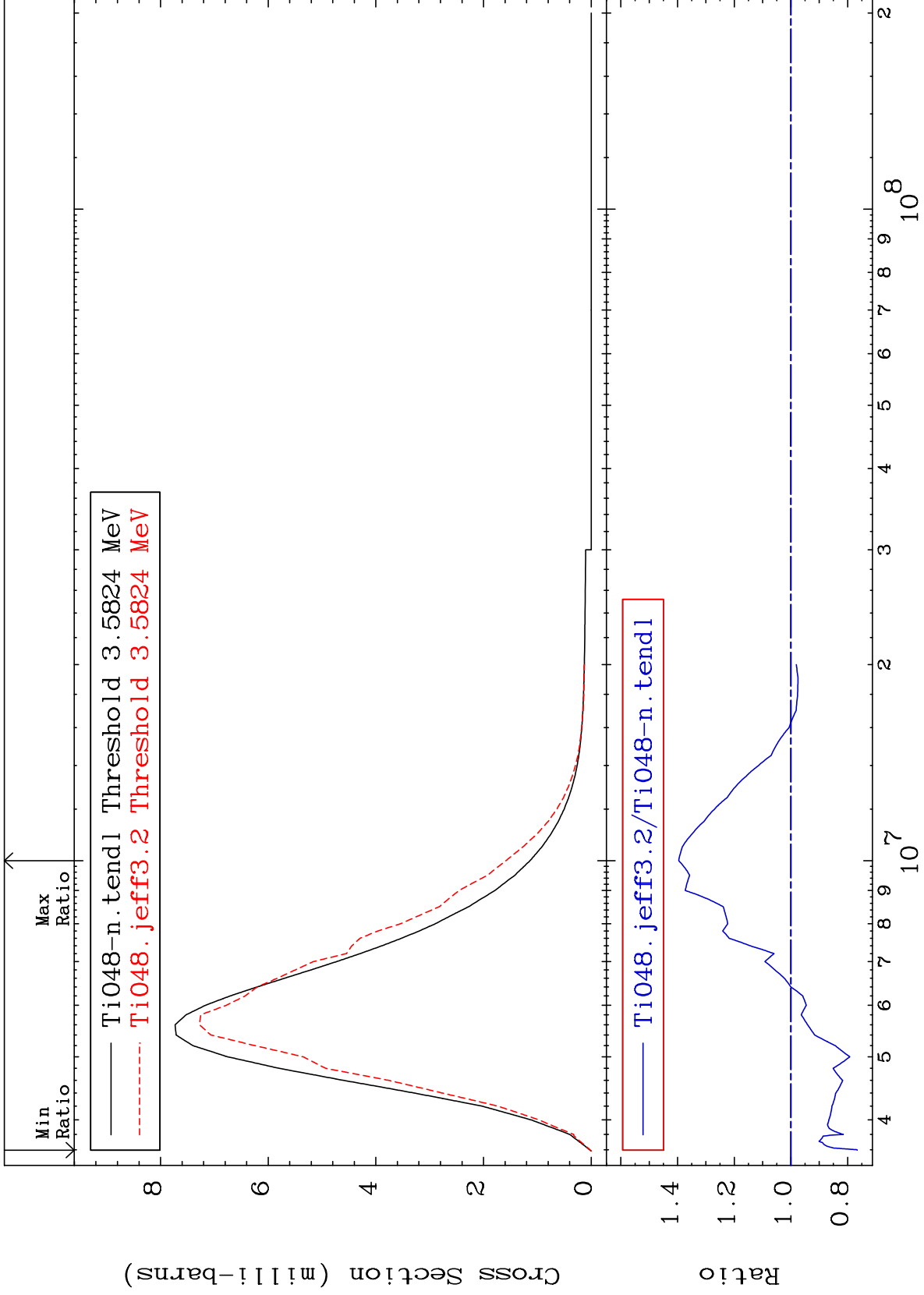
Incident Energy (eV)

22-Ti-48

MAT 2231

3.509 MeV (n,n') Level
Cross Section

22-Ti-48
-23.41 To 39.62 %



18

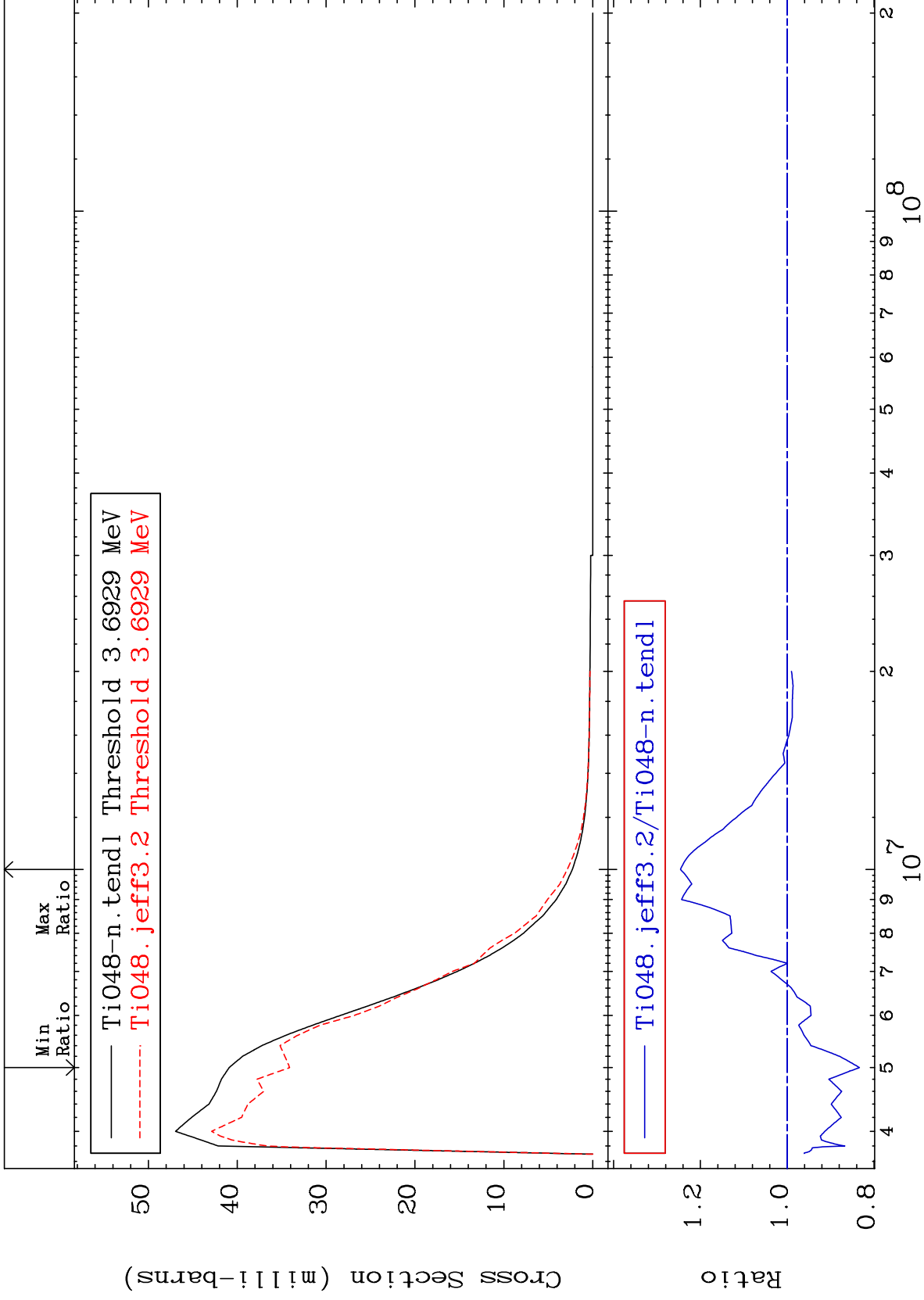
Incident Energy (eV)

22-Ti-48

MAT 2231

3.617 MeV (n,n') Level
Cross Section

22-Ti-48
-16.65 To 24.62 %



19

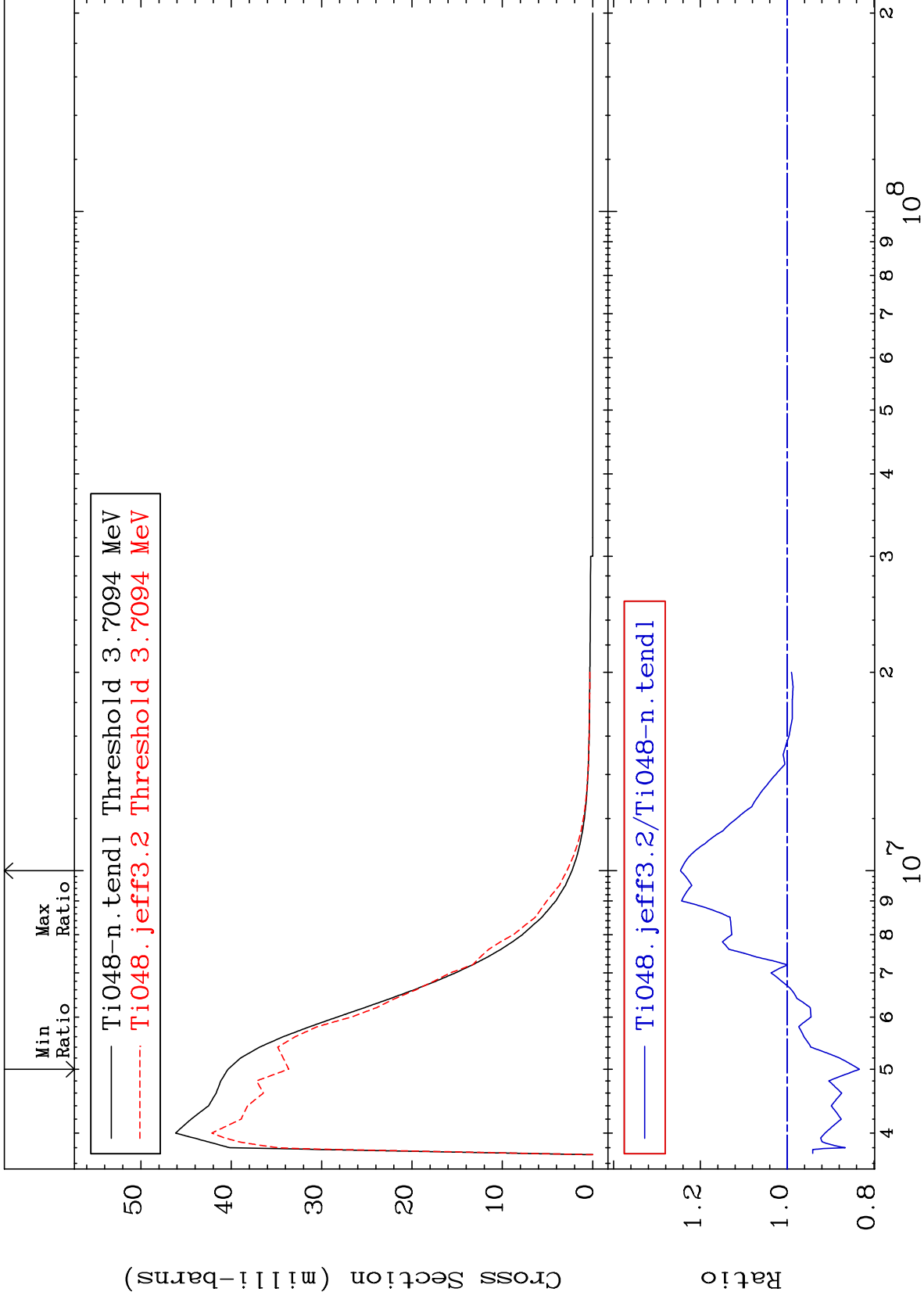
Incident Energy (eV)

22-Ti-48

MAT 2231

3.633 MeV (n,n') Level
Cross Section

22-Ti-48
-16.65 To 24.61 %



20

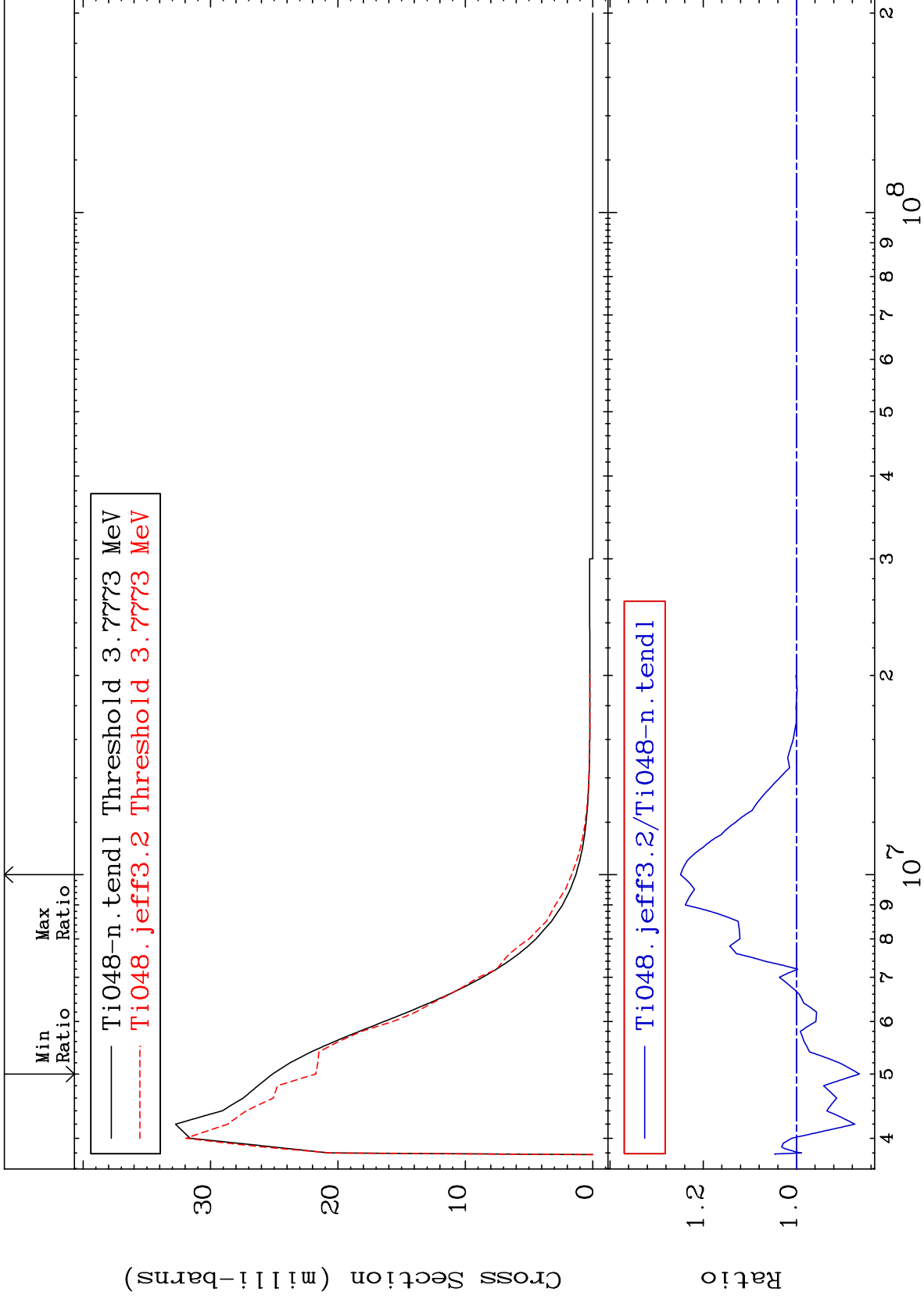
Incident Energy (eV)

22-Ti-48

MAT 2231

3.699 MeV (n,n') Level
Cross Section

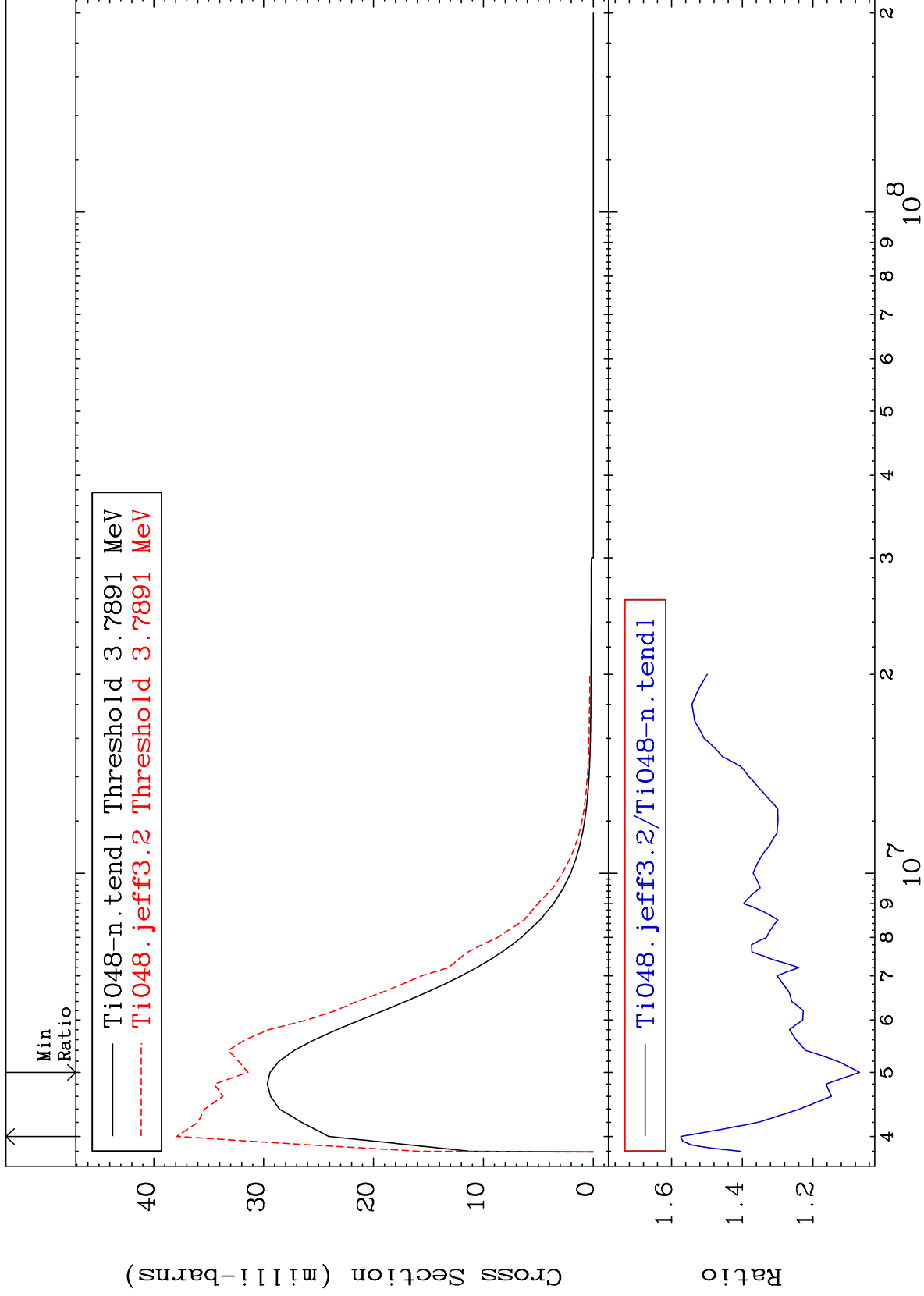
22-Ti-48
-13.51 To 24.92 %



MAT 2231

3.711 MeV (n,n') Level
Cross Section

6.791 To 57.41 %
22-Ti-48



22

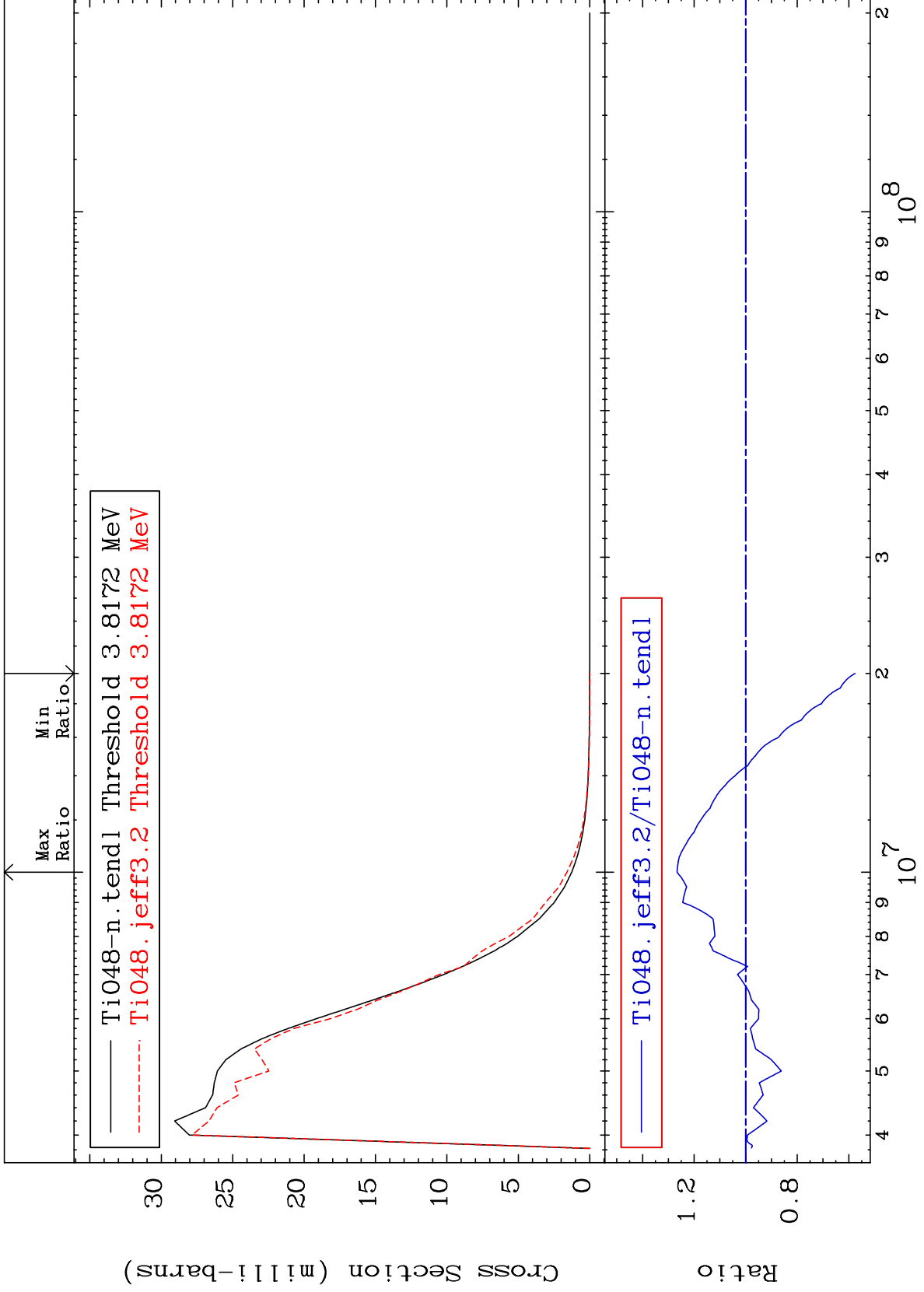
22-Ti-48

22-Ti-48

MAT 2231

3.739 MeV (n,n') Level
Cross Section

22-Ti-48
-42.45 To 26.66 %

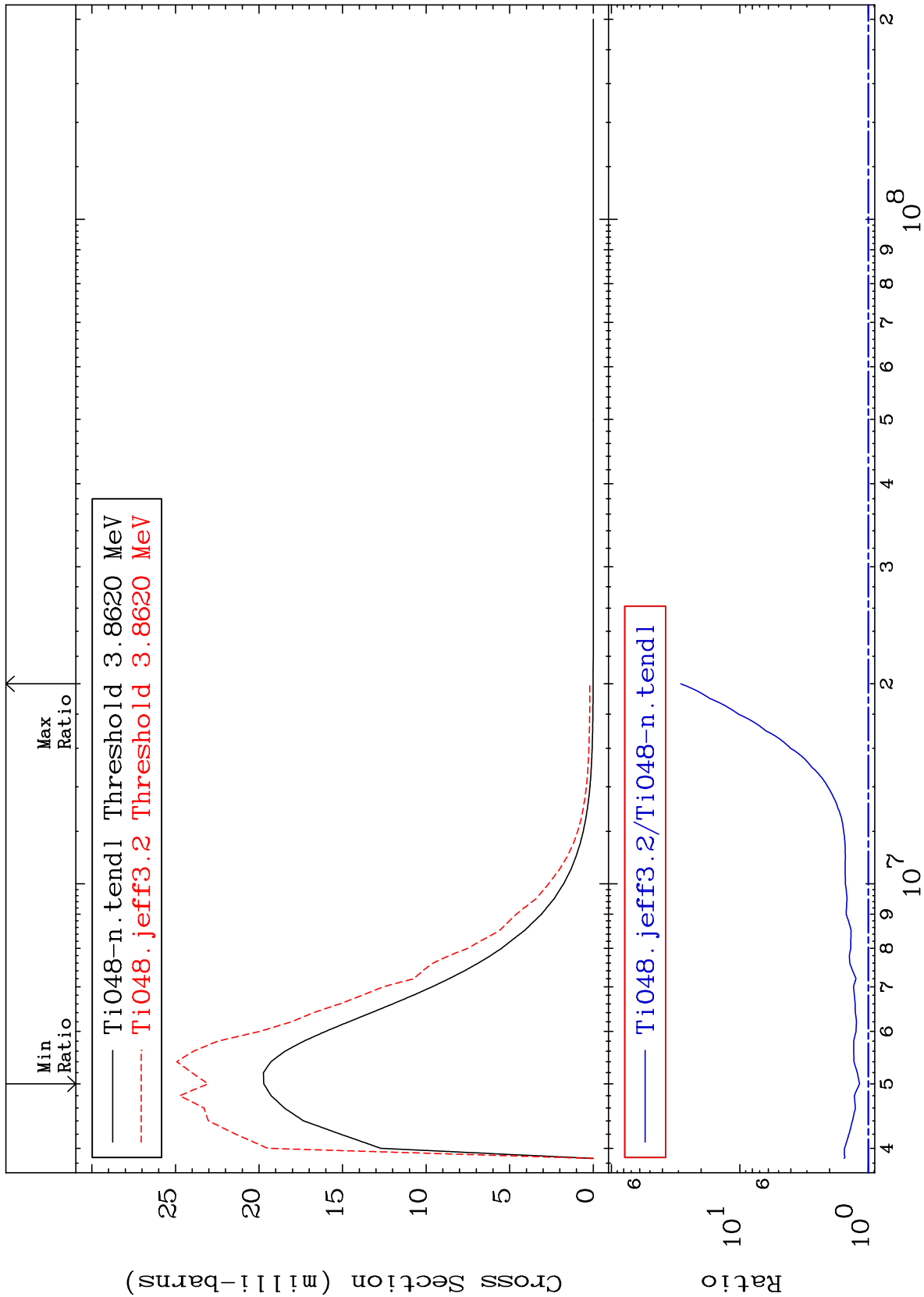


23

Incident Energy (eV)

22-Ti-48

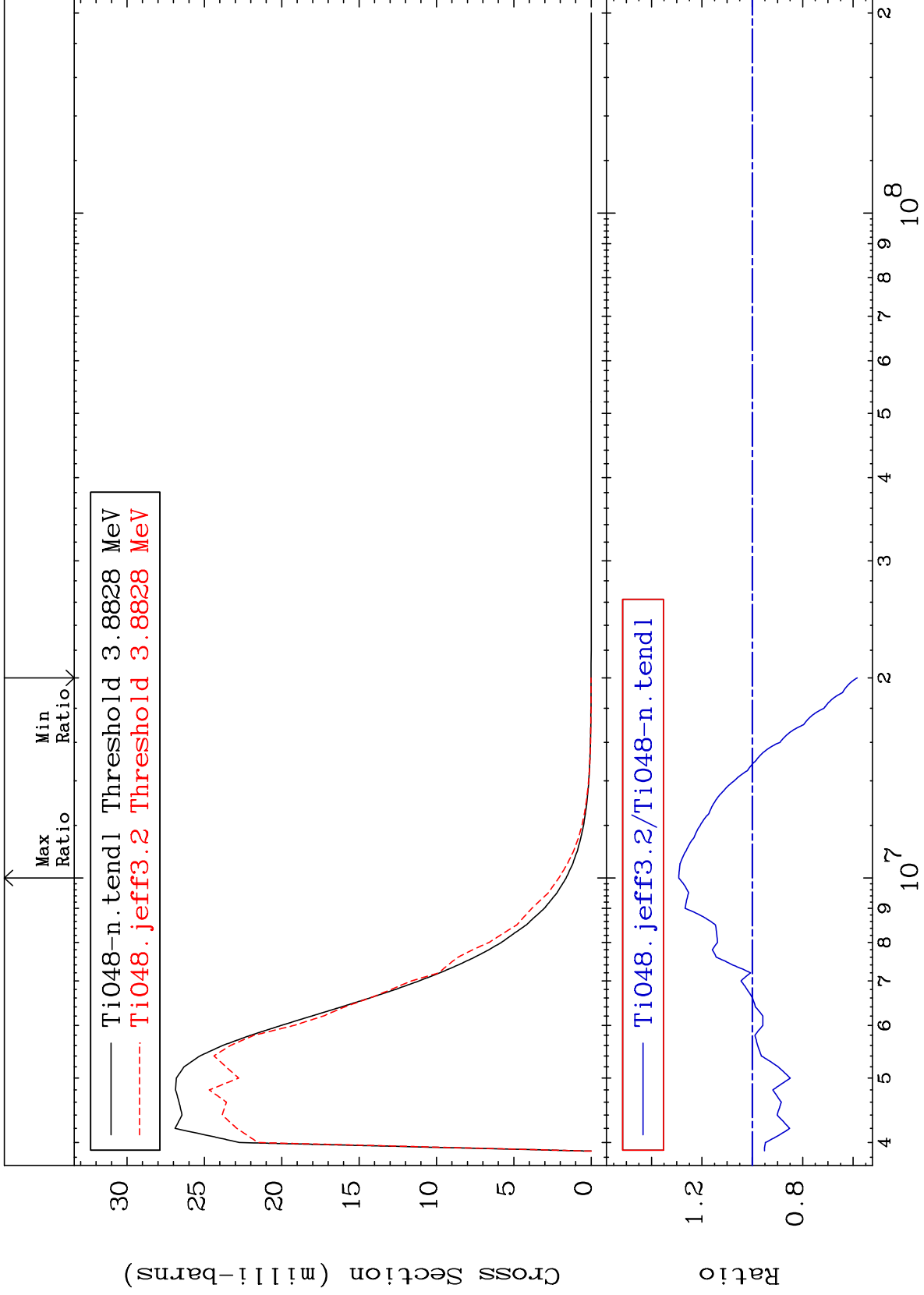
MAT 2231 3.782 MeV (n,n') Level 22-Ti-48
 Cross Section 16.90 To 2780. %



MAT 2231

3.803 MeV (n,n') Level
Cross Section

22-Ti-48
-41.64 To 29.23 %



25

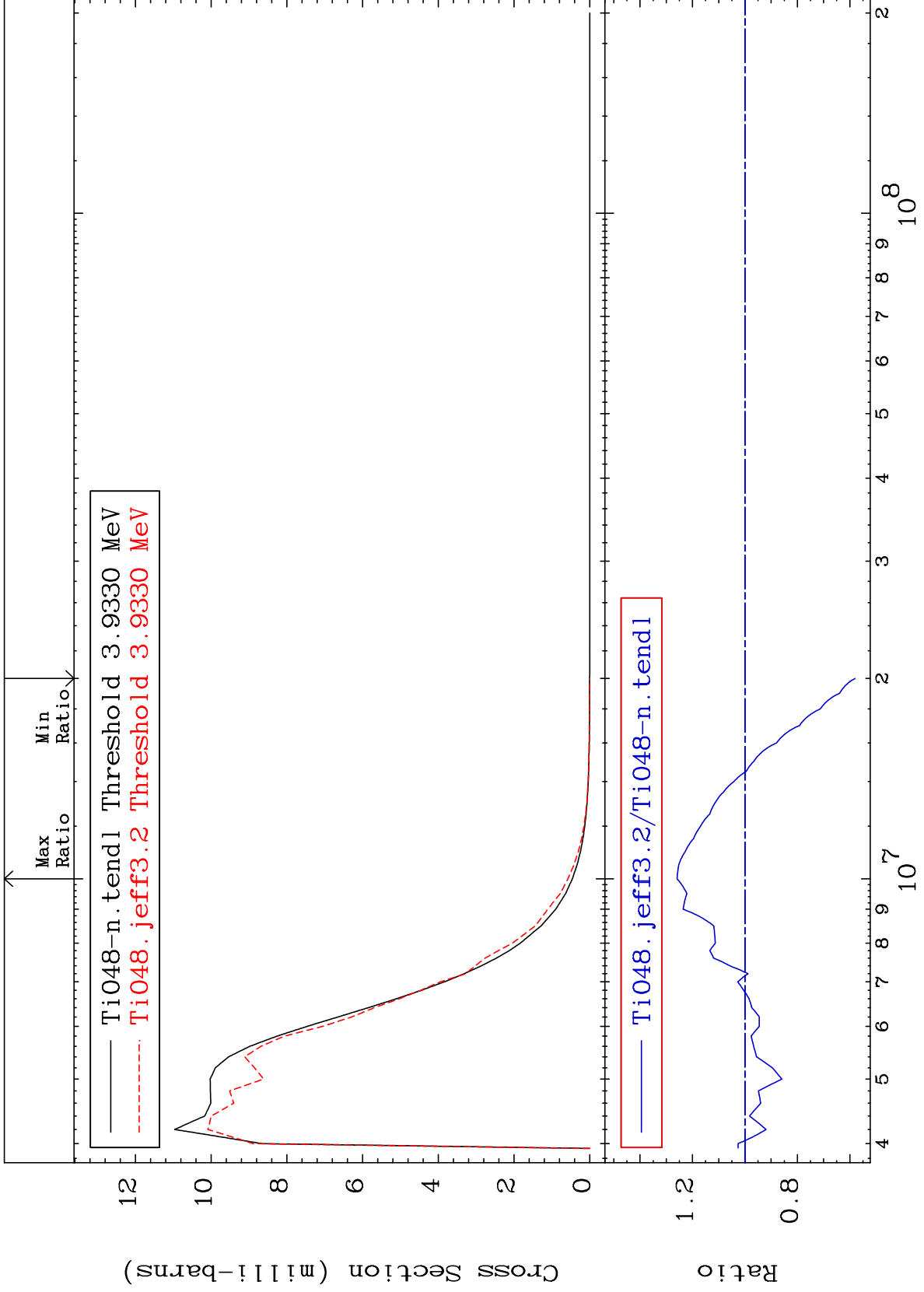
Incident Energy (eV)

22-Ti-48

MAT 2231

3.852 MeV (n,n') Level
Cross Section

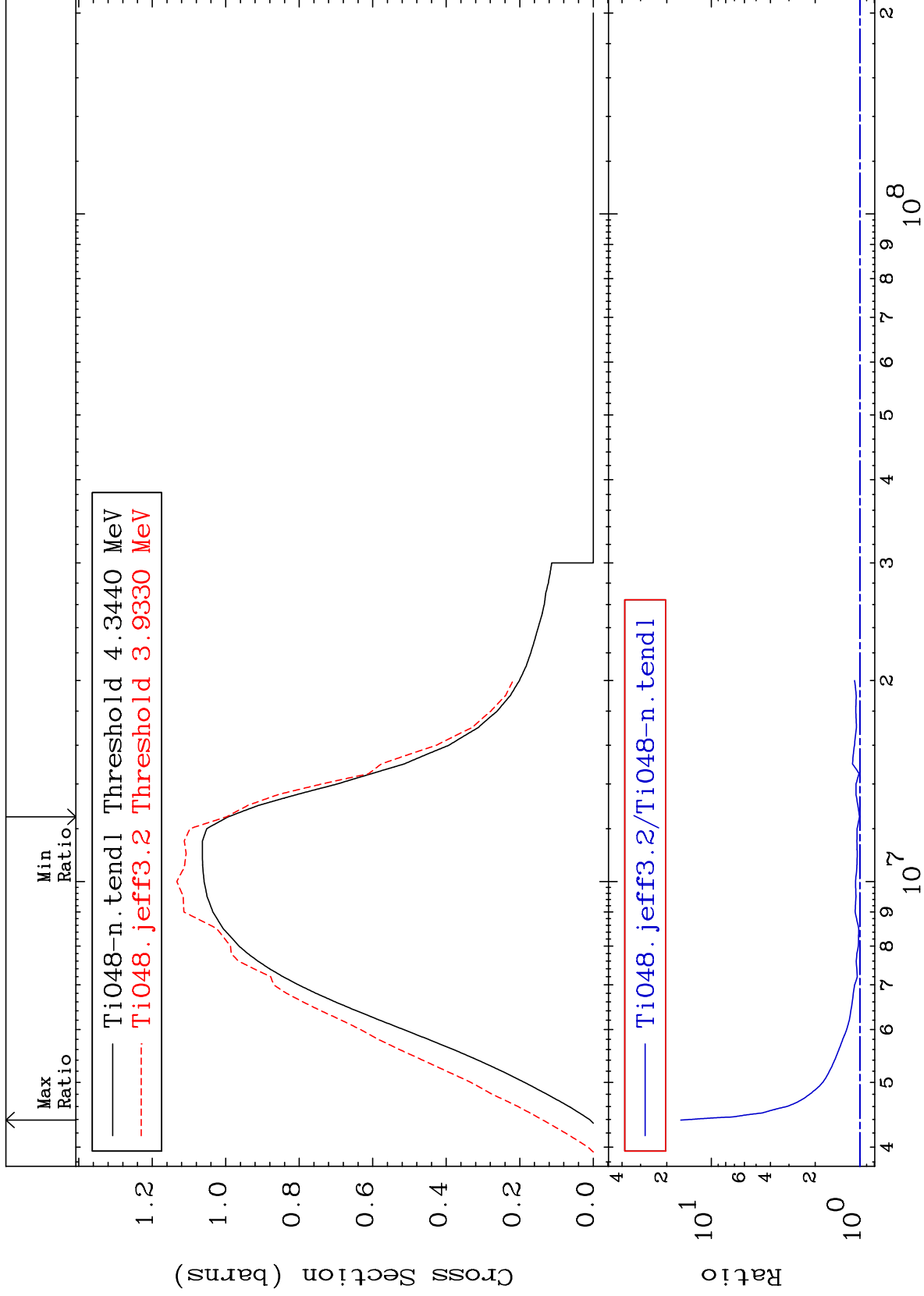
22-Ti-48
-42.01 To 25.93 %



MAT 2231

(n,n') Continuum
Cross Section

22-Ti-48
0.483 To 1508. %



27

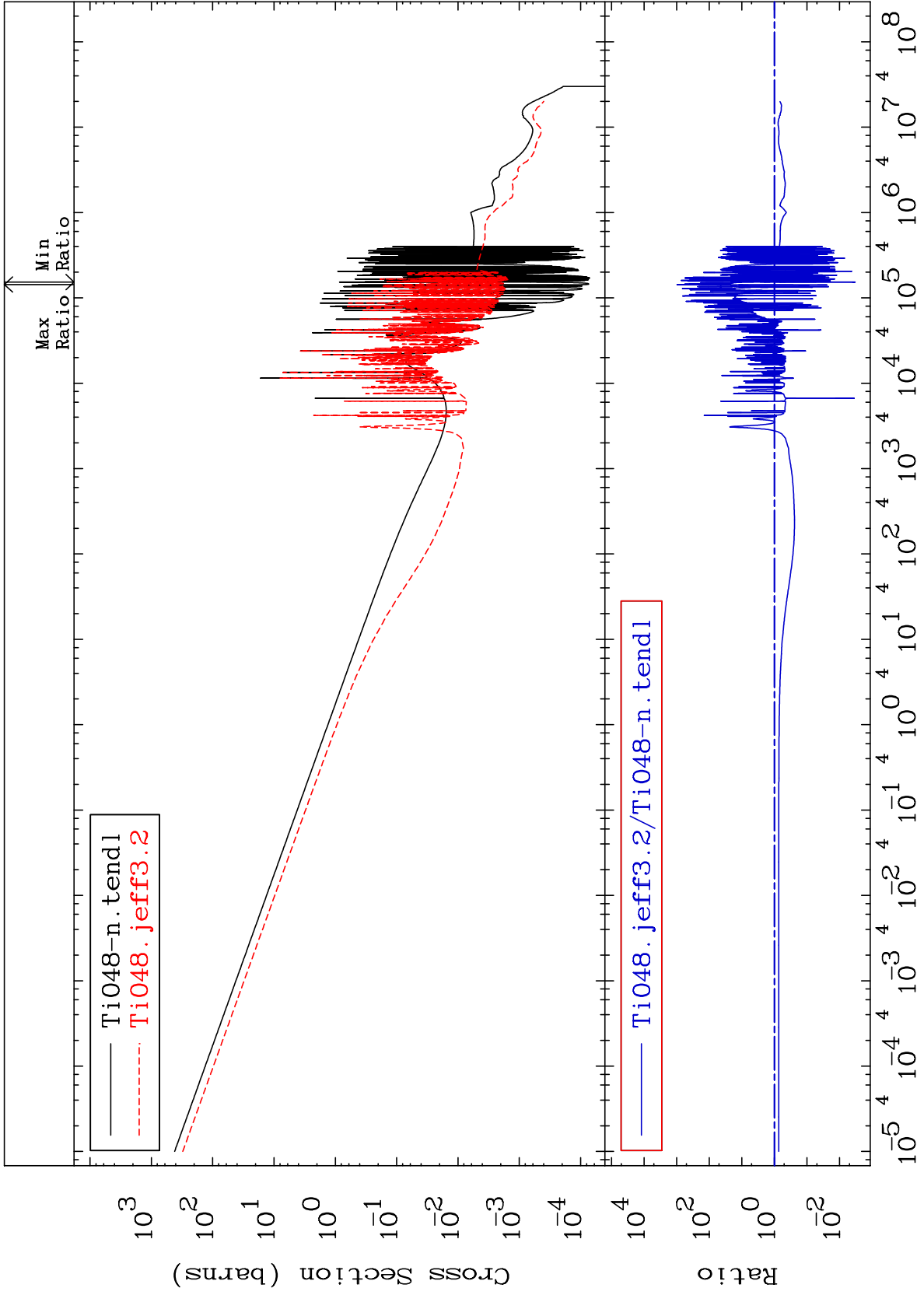
Incident Energy (eV)

22-Ti-48

MAT 2231

(n, γ)
Cross Section

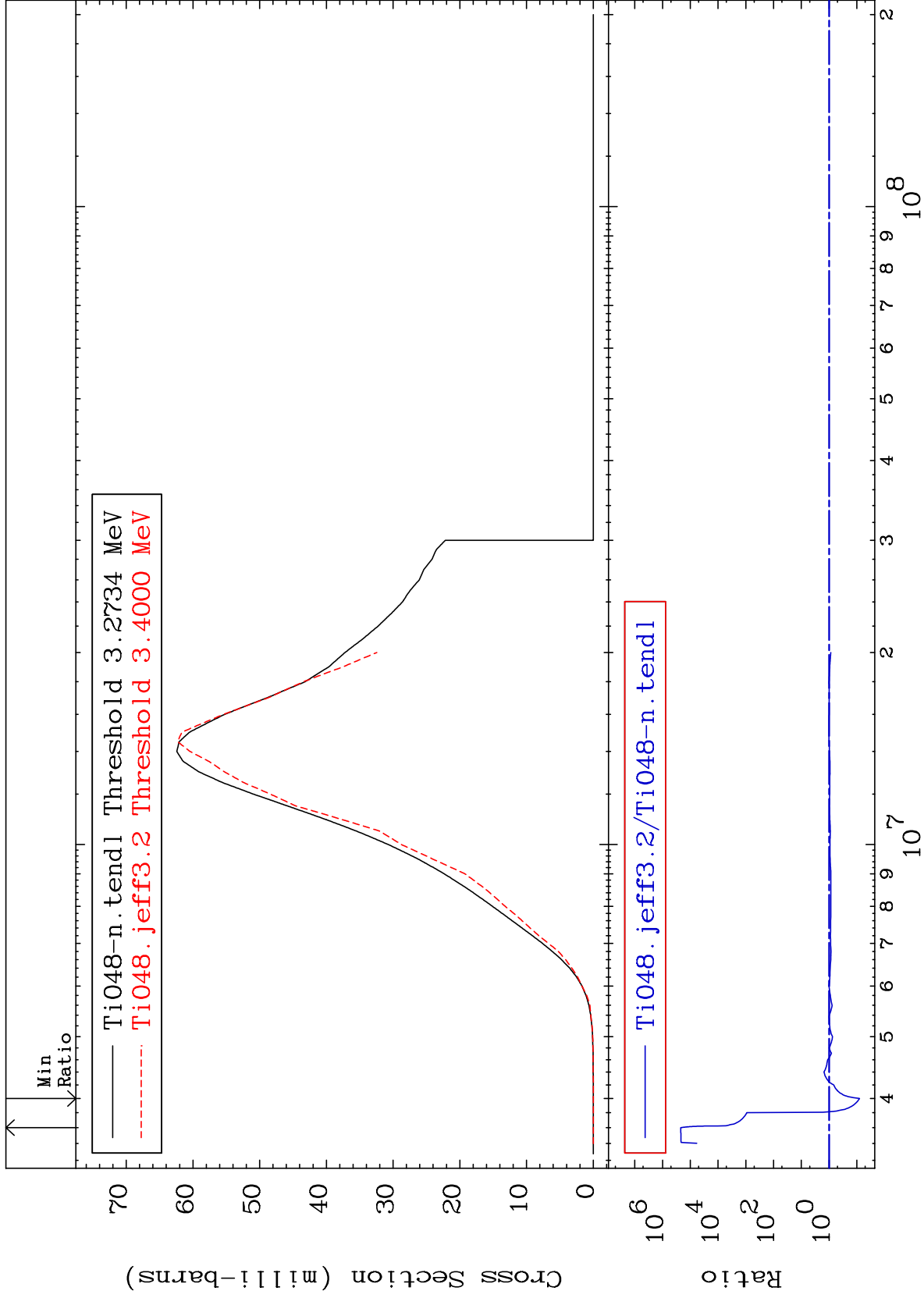
22-Ti-48
-99.67 To 9999. %



MAT 2231

(n,p)
Cross Section

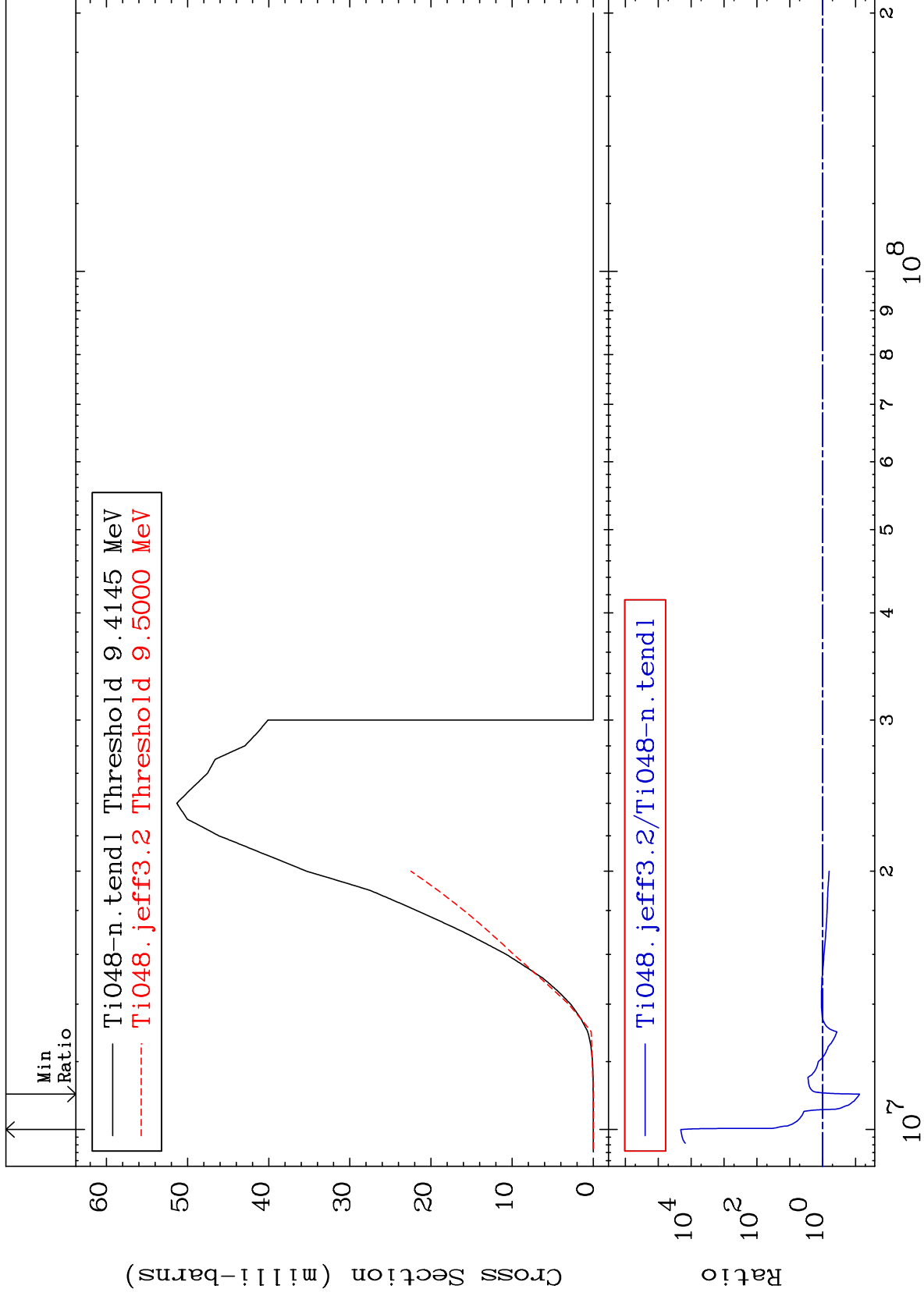
22-Ti-48
-92.00 To 9999. %



MAT 2231

(n, d)
Cross Section

22-Ti-48
-92.46 To 9999. %



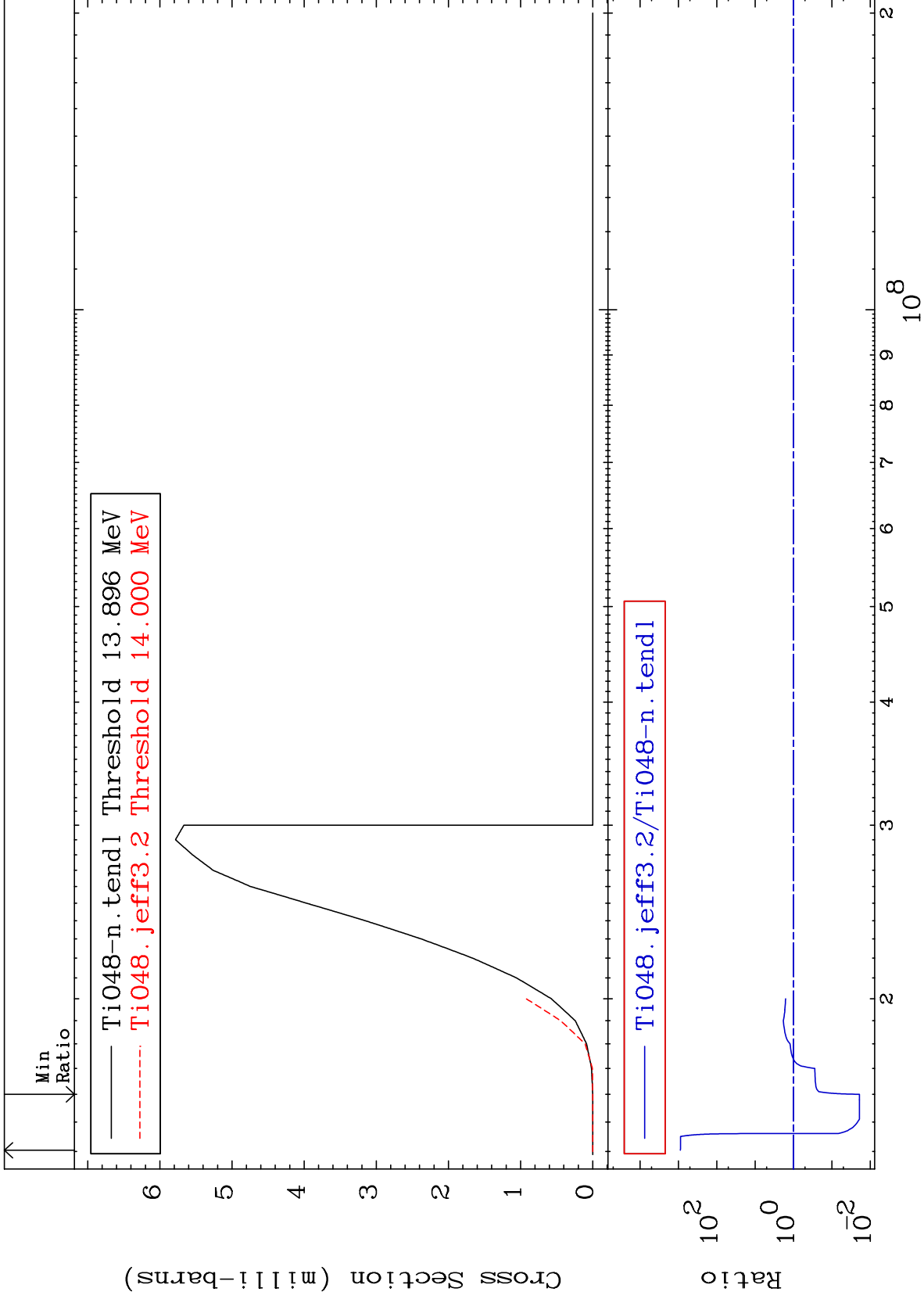
Incident Energy (eV)

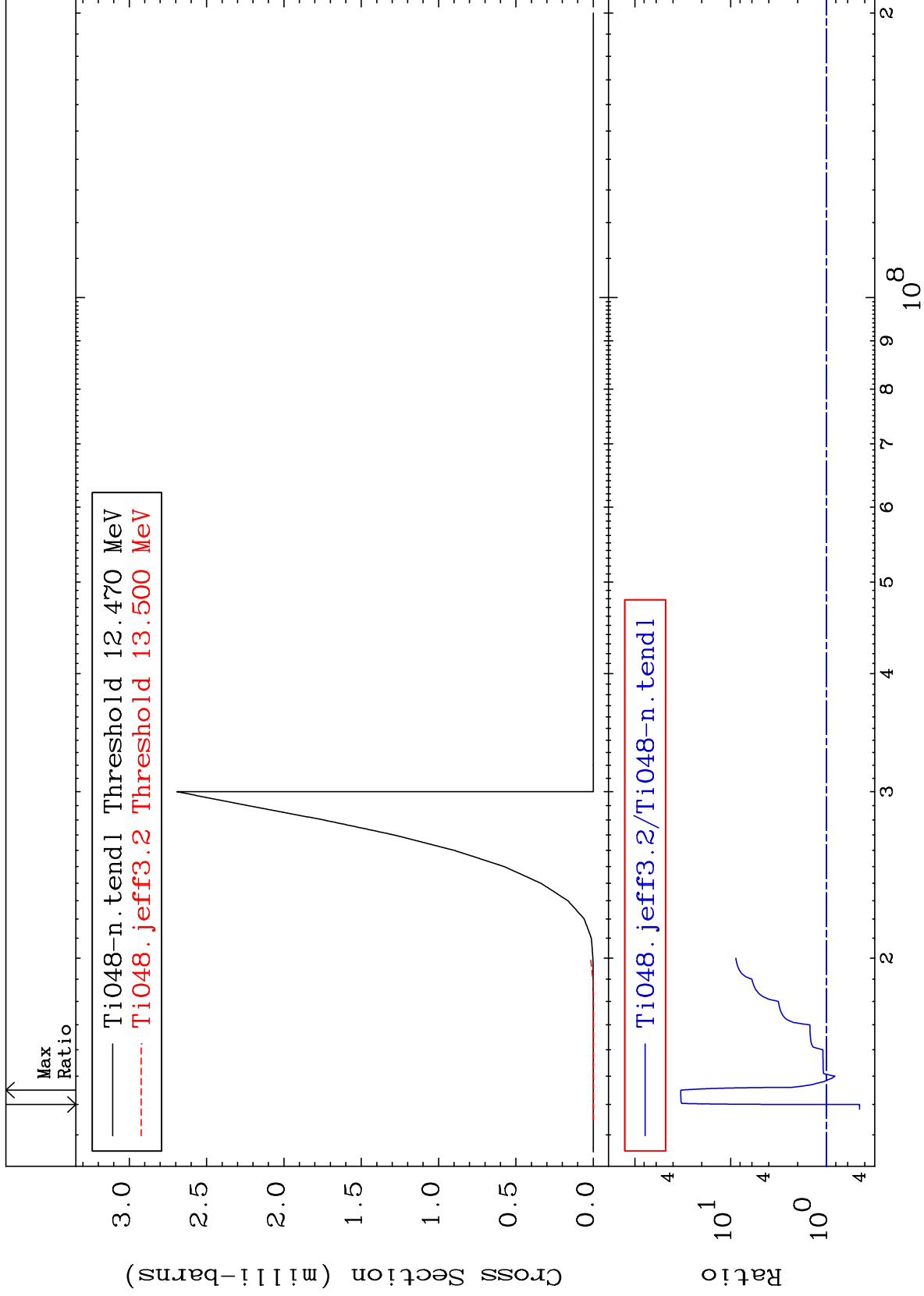
22-Ti-48

MAT 2231

(n, t)
Cross Section

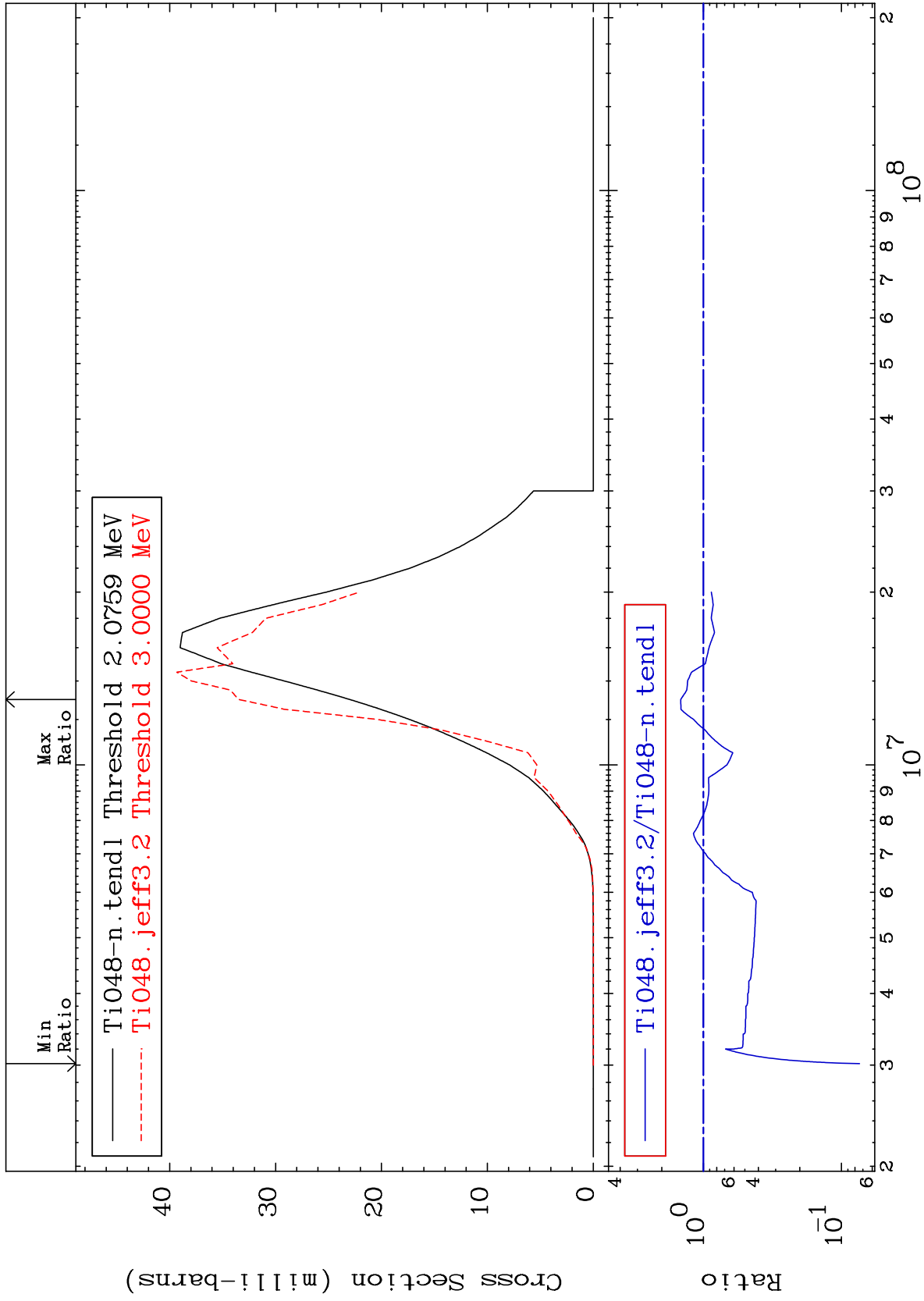
22-Ti-48
-98.09 To 9999. %





Cross Section

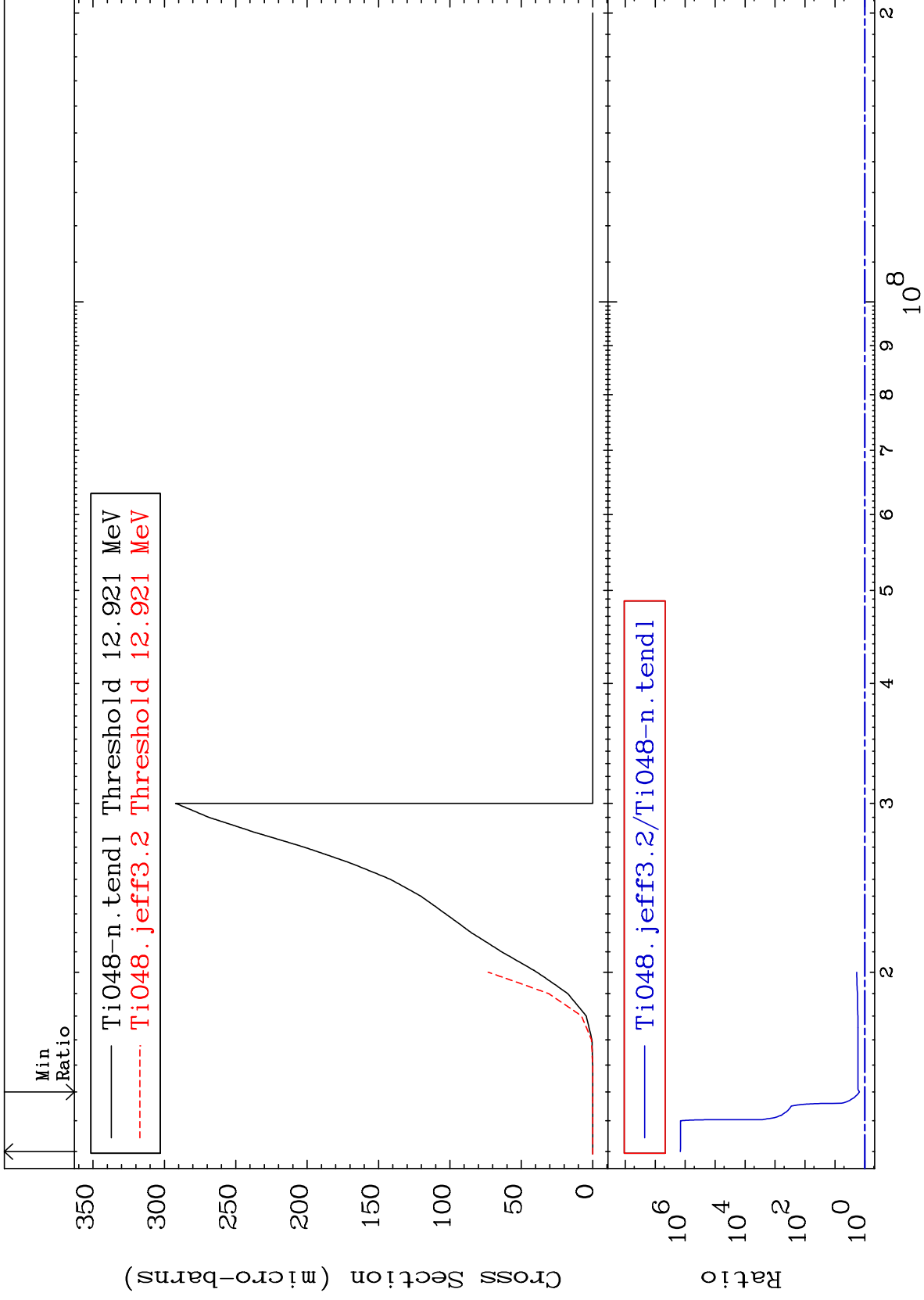
-92.60 To 45.62 %



MAT 2231

(n,2p)
Cross Section

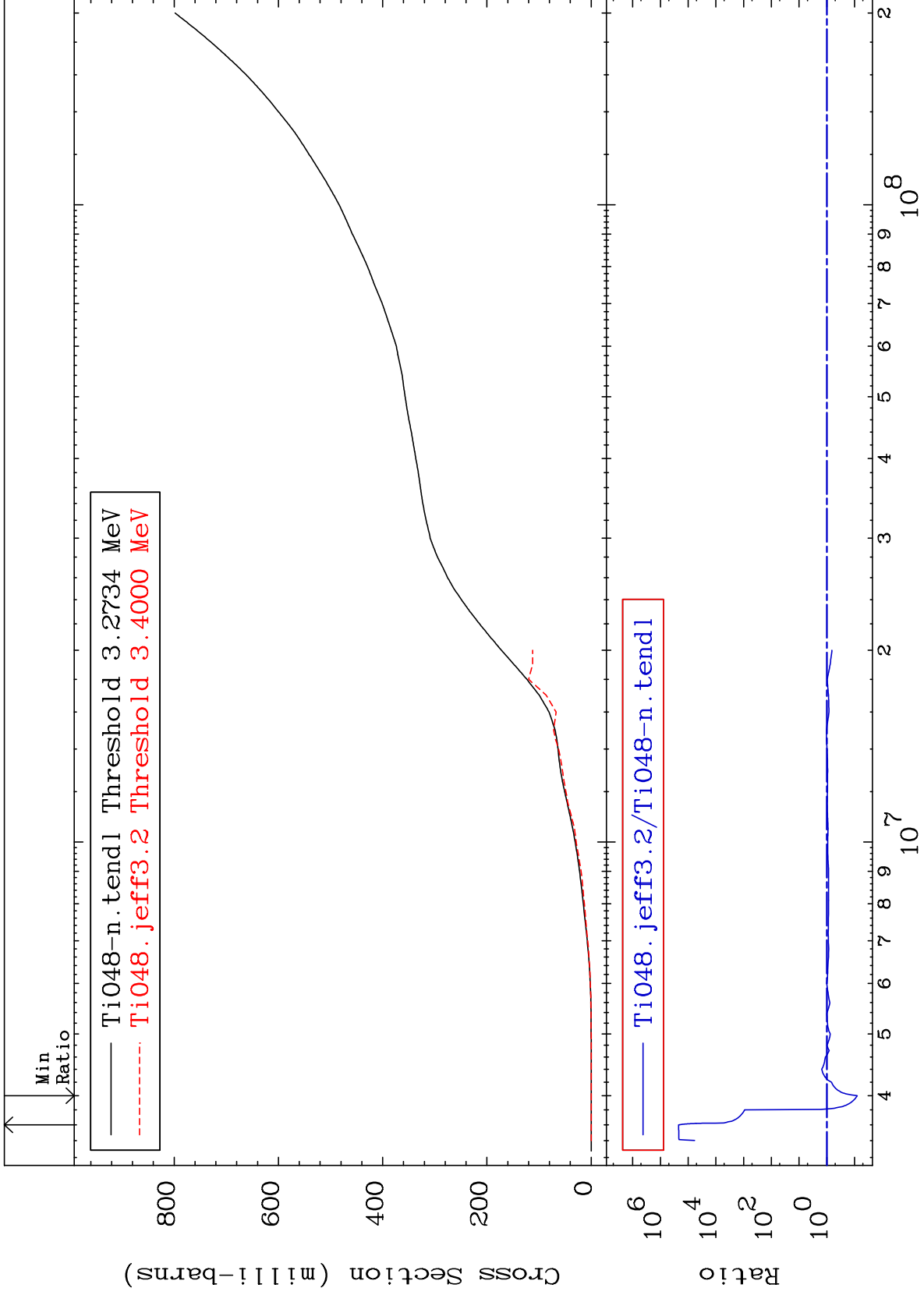
22-Ti-48
52.24 To 9999. %



MAT 2231

Hydrogen Production
Cross Section

²²Ti-48
-92.00 To 9999. %



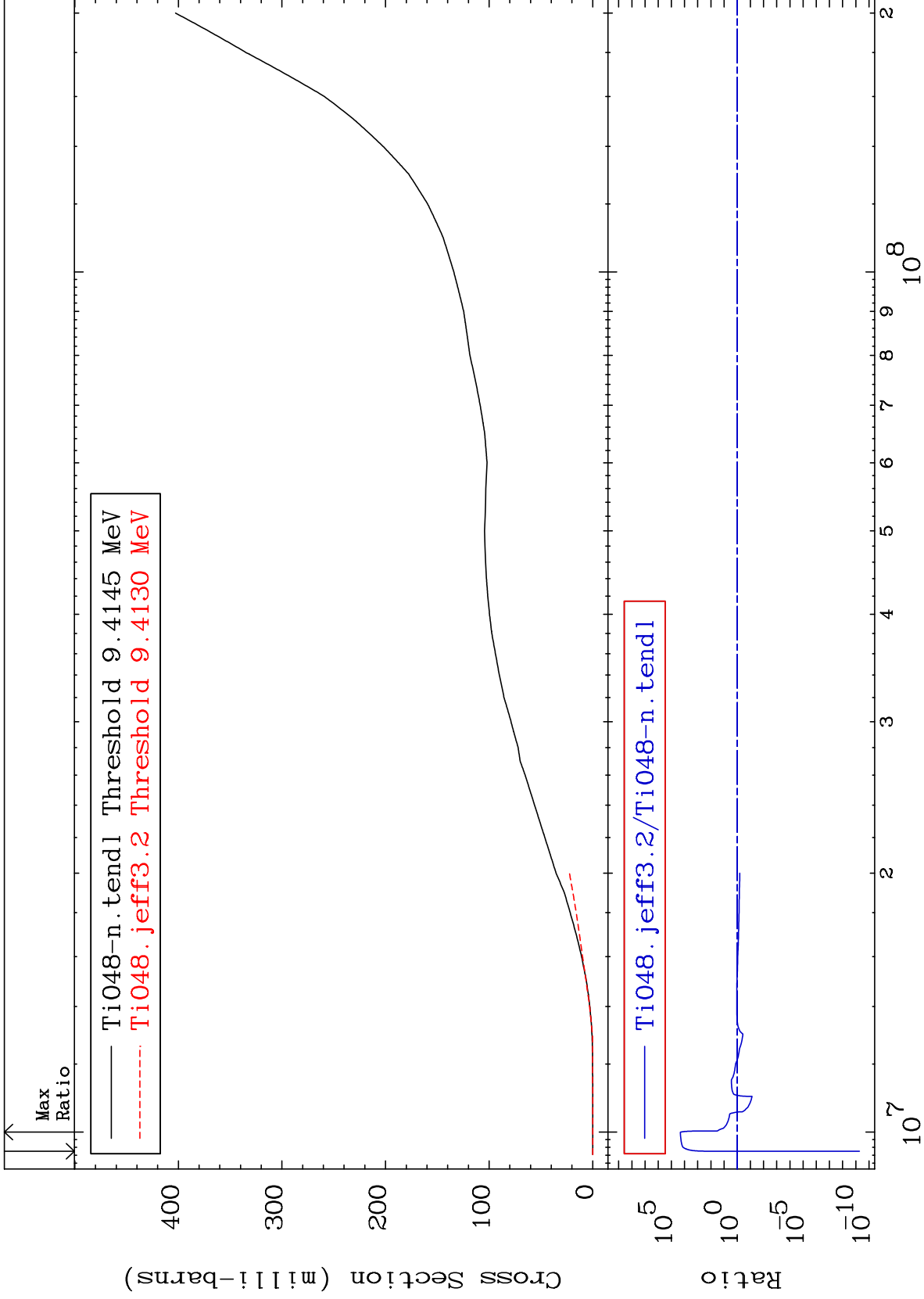
35

²²Ti-48

MAT 2231

Deuterium Production
Cross Section

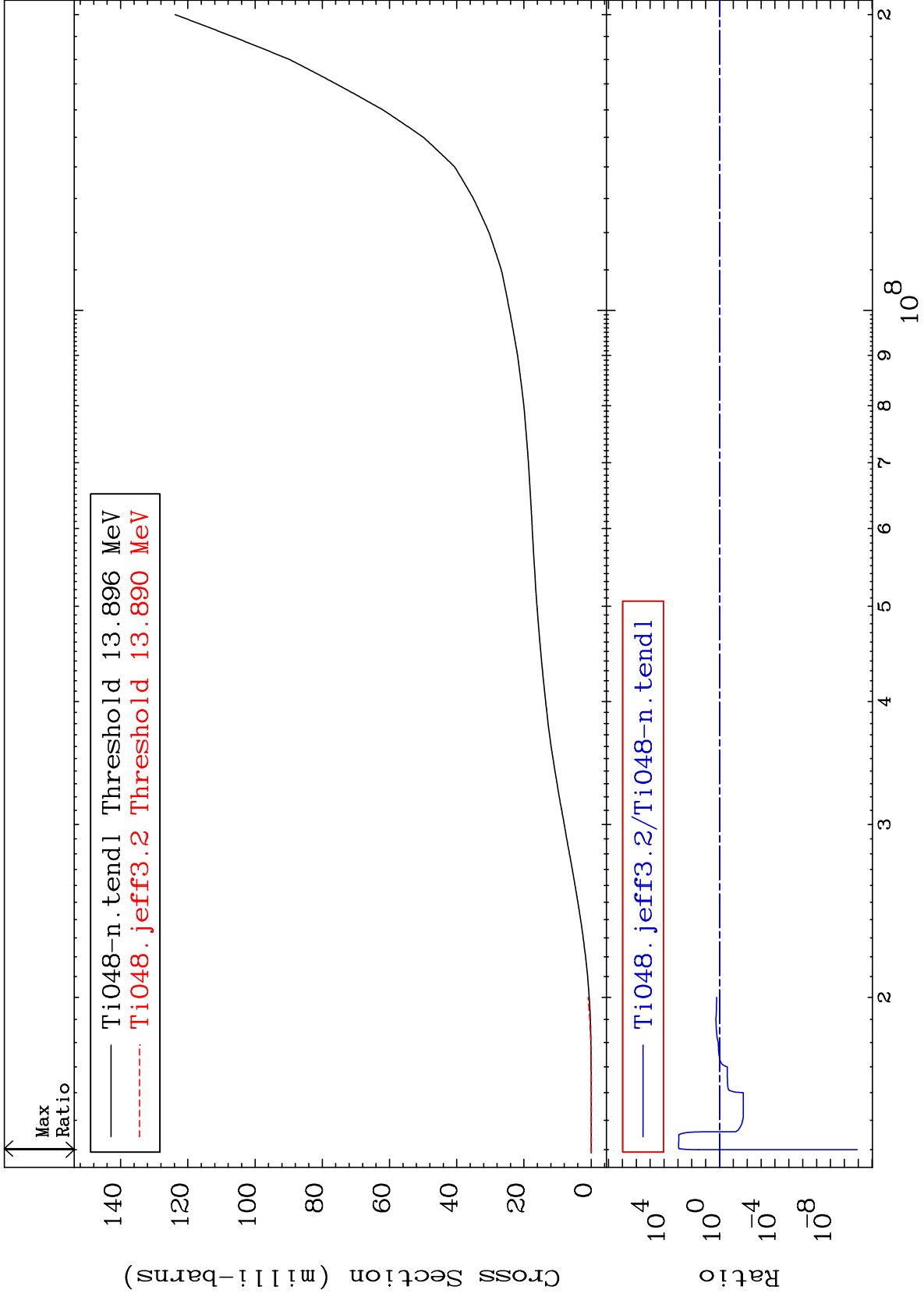
22-Ti-48
-100.0 To 9999. %



36

Incident Energy (eV)

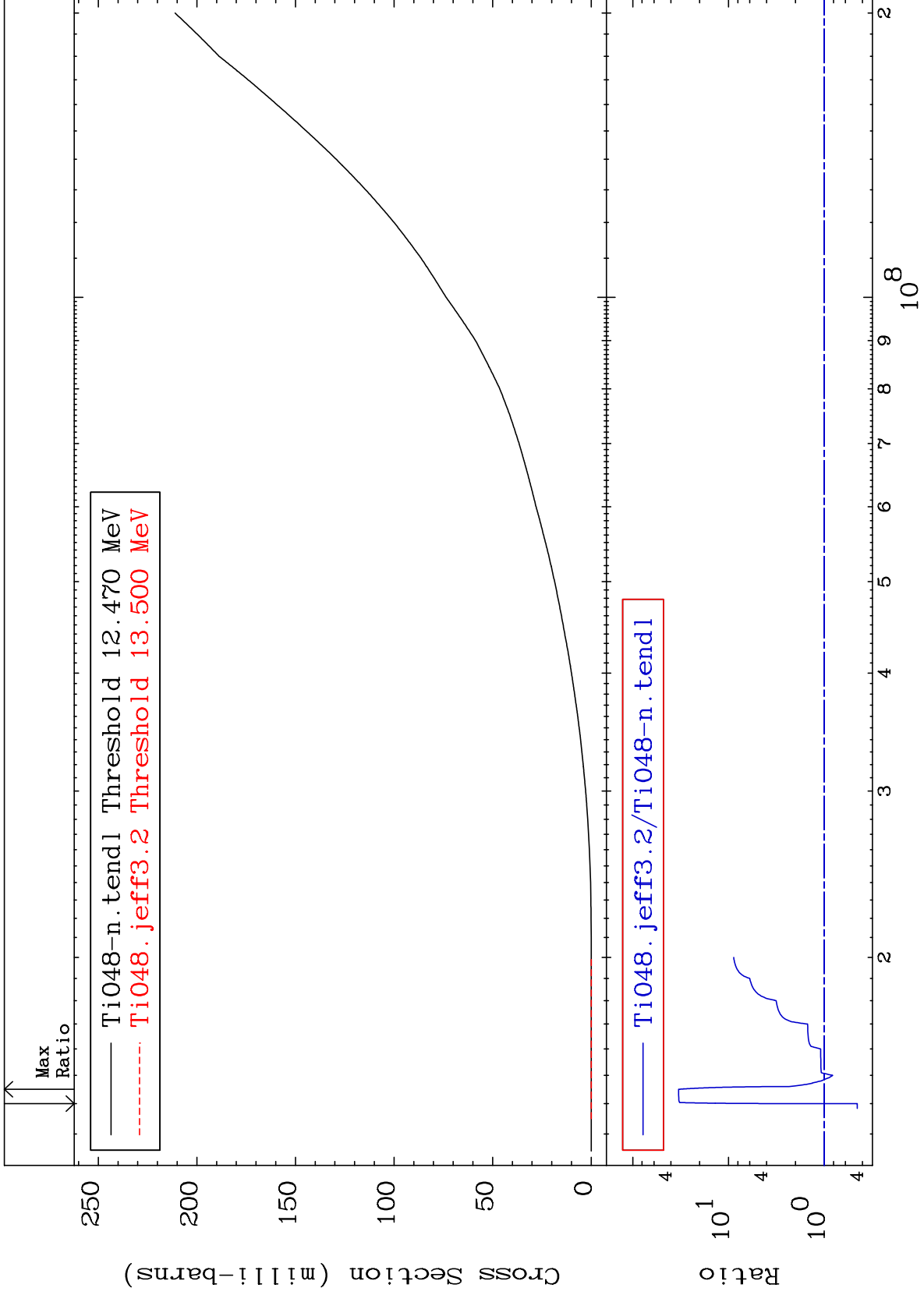
22-Ti-48



MAT 2231

He-3 Production
Cross Section

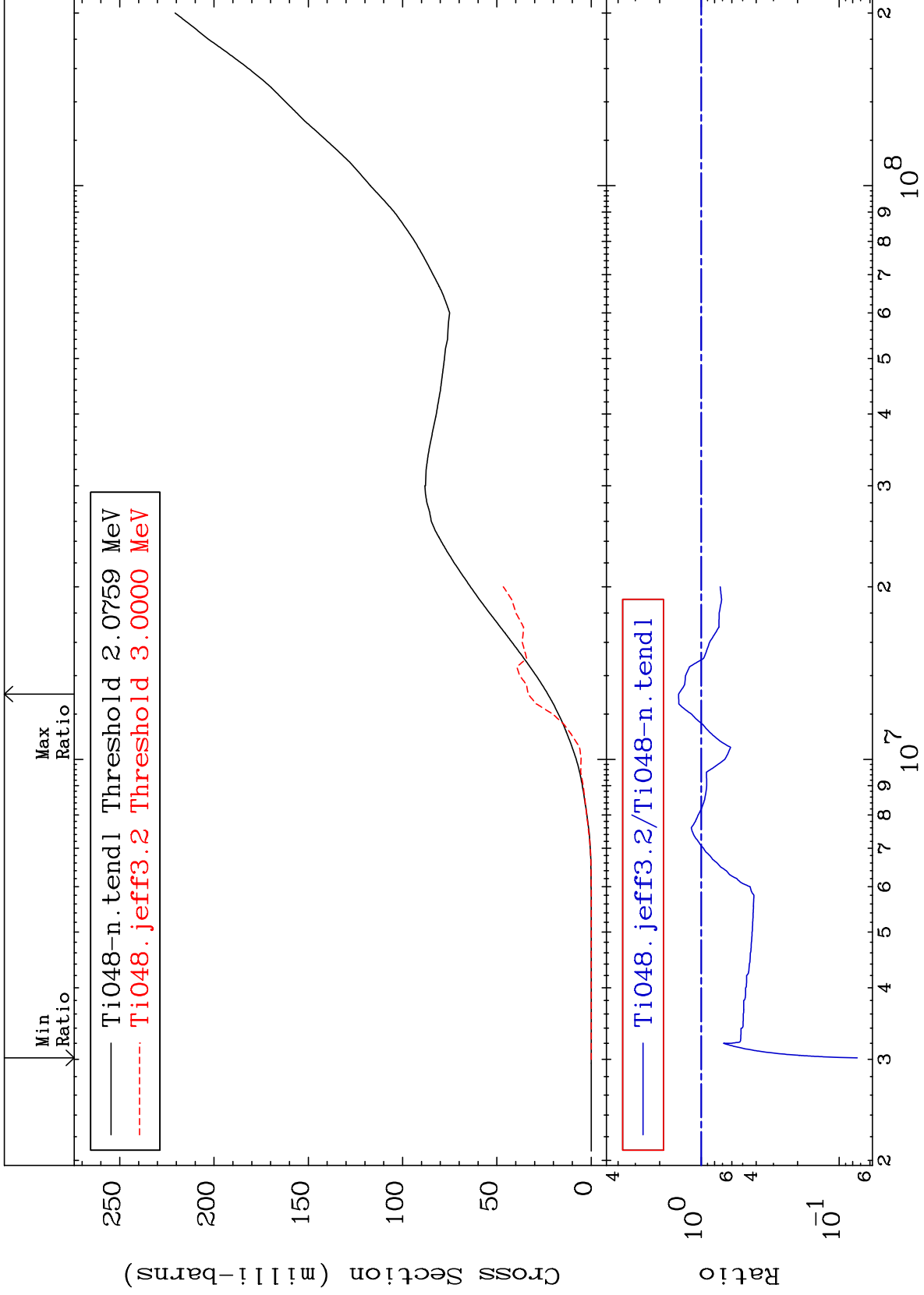
22-Ti-48
-54.78 To 3218. %



MAT 2231

He-4 Production
Cross Section

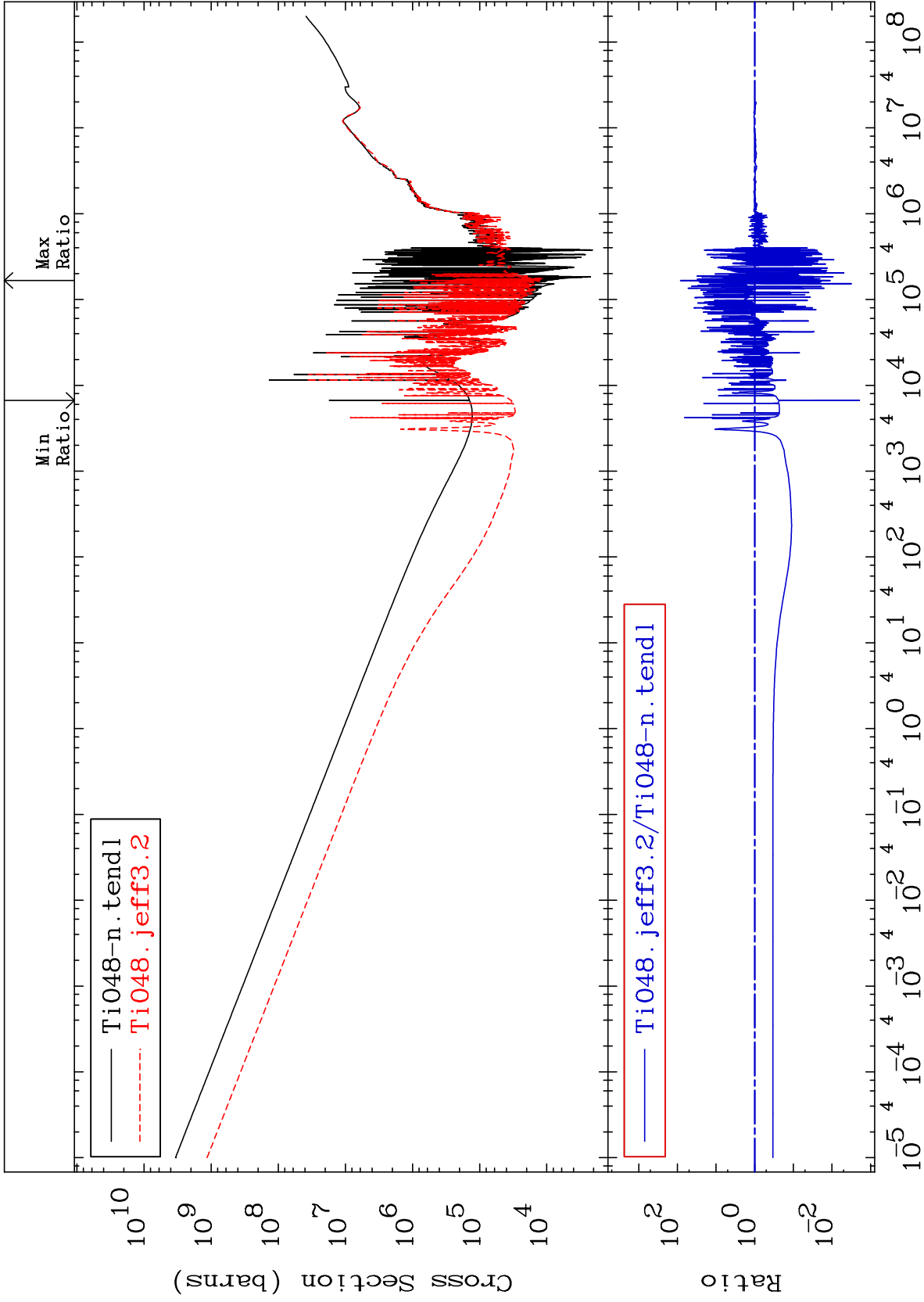
²²Ti-48
-92.60 To 45.61 %



MAT 2231

Kerma total (eV-barns)
Cross Section

22-Ti-48
-99.81 To 8273. %



40

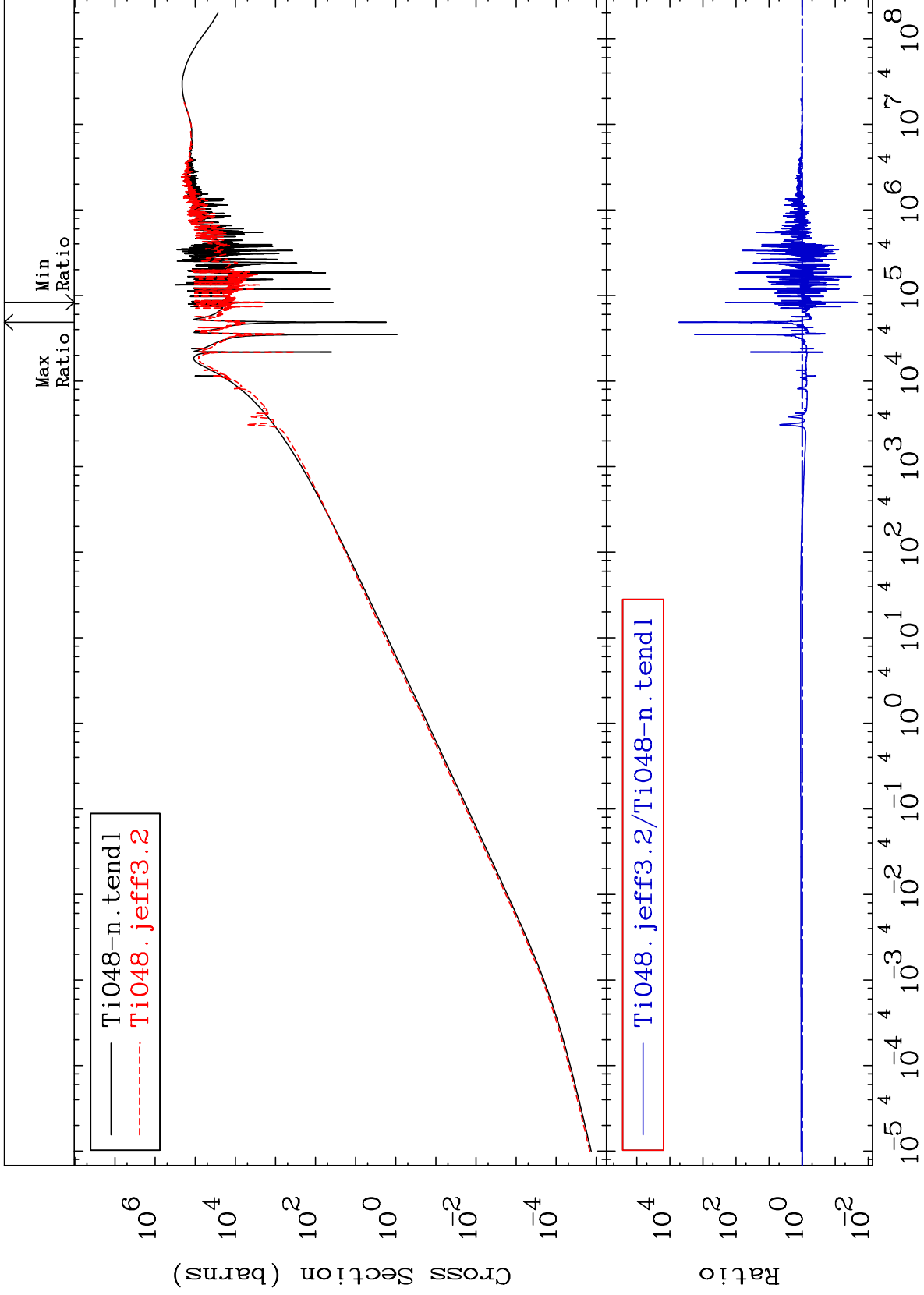
Incident Energy (eV)

22-Ti-48

MAT 2231

Kerma elastic
Cross Section

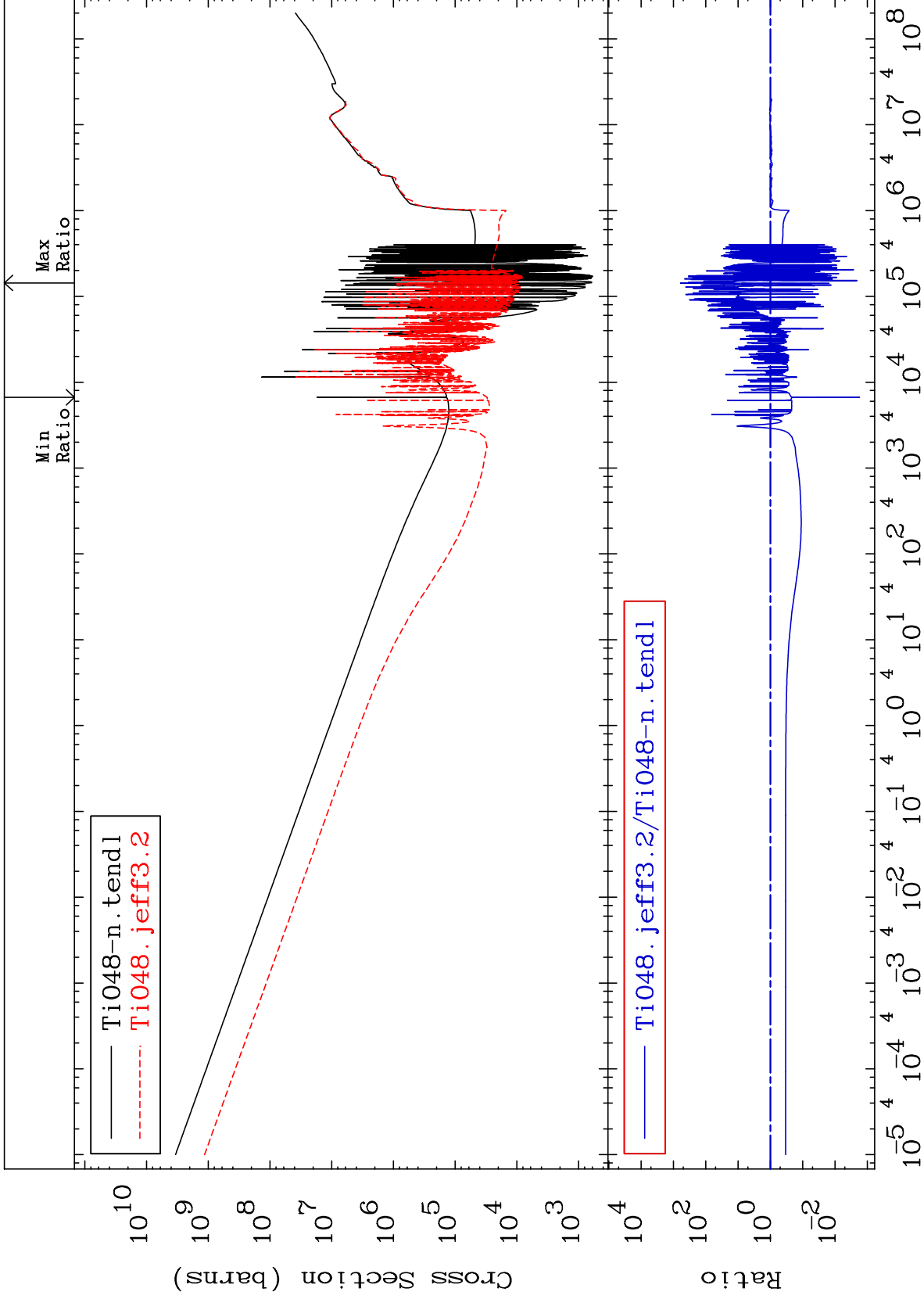
22-Ti-48
-97.84 To 9999. %



MAT 2231

Kerma non-elastic (all but mt2)
Cross Section

22-Ti-48
-99.82 To 9999. %



42

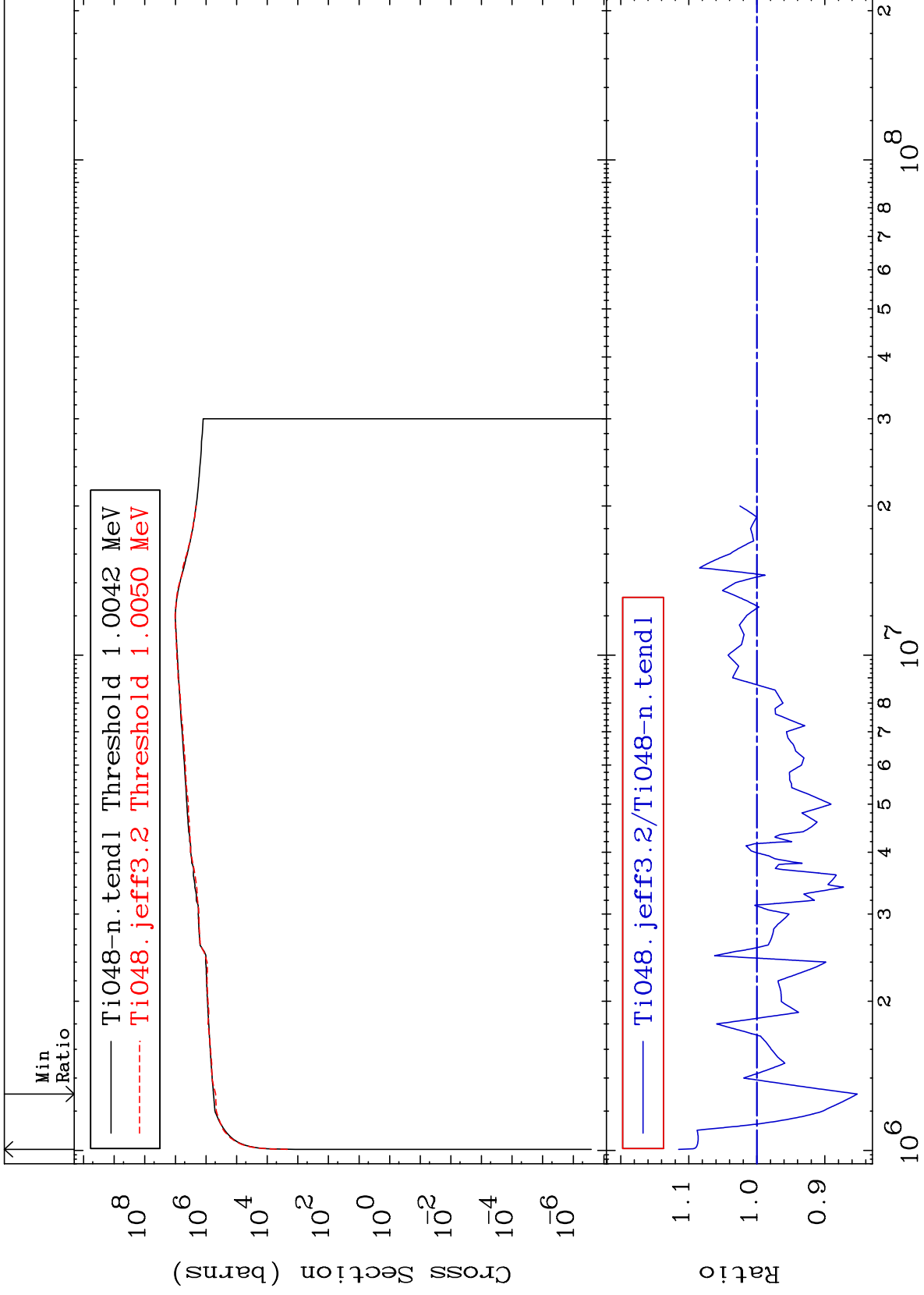
Incident Energy (eV)

22-Ti-48

MAT 2231

Kerma inelastic (mt51-91)
Cross Section

22-Ti-48
-14.76 To 11.49 %



43

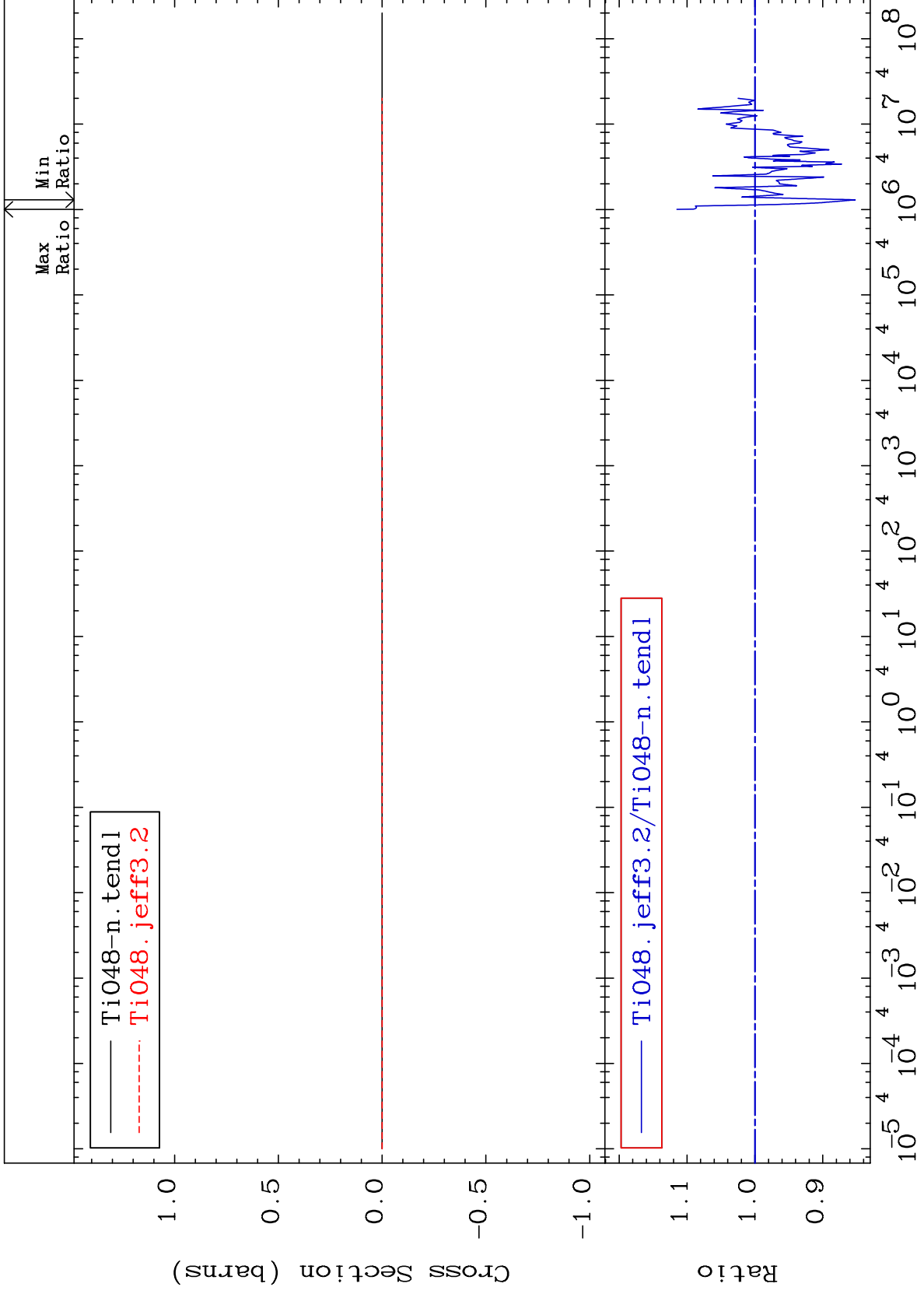
22-Ti-48

22-Ti-48

MAT 2231

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

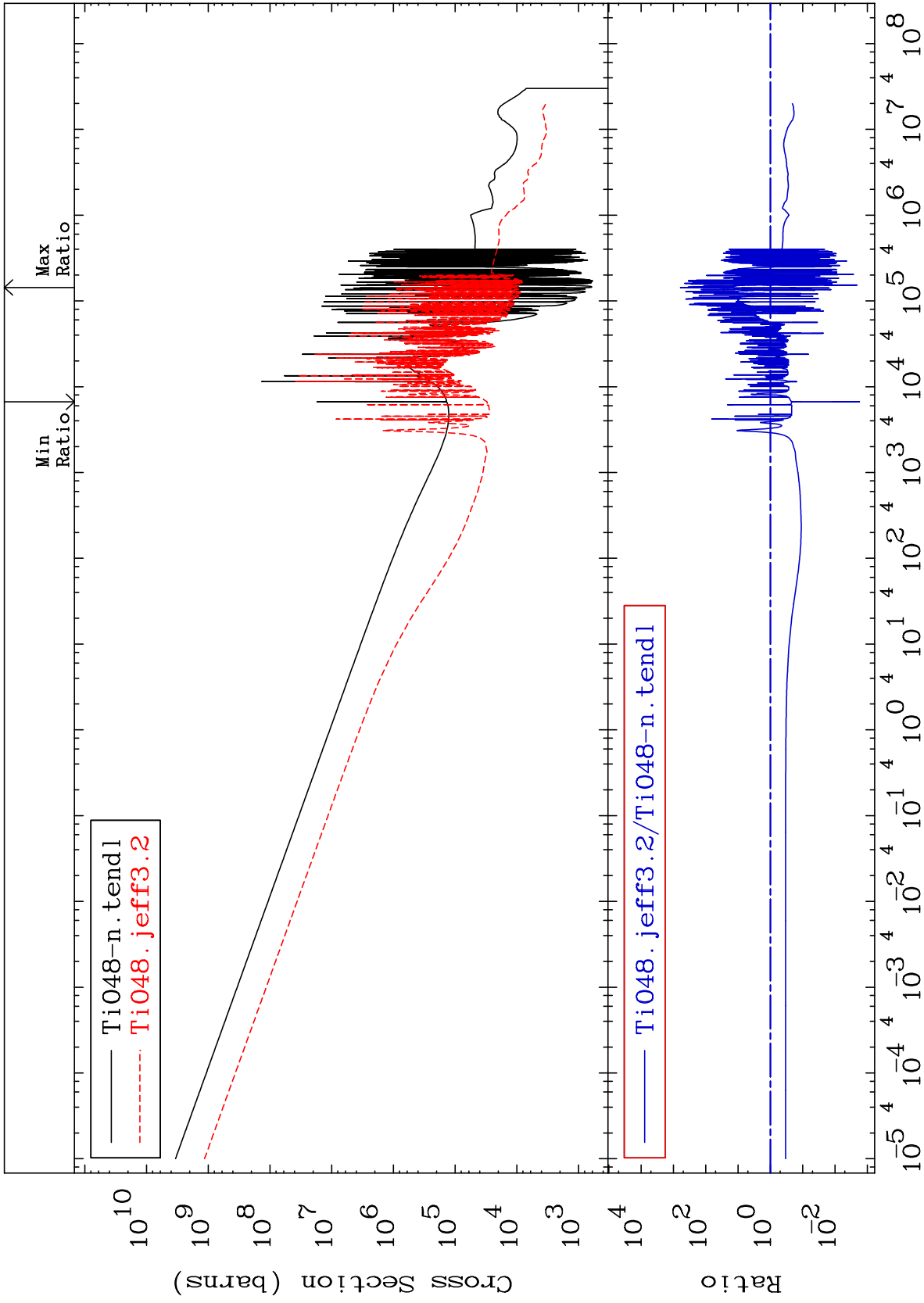
22-Ti-48
-14.76 To 11.49 %



MAT 2231

Kerma capture (mt102)
Cross Section

22-Ti-48
-99.82 To 9999. %



45

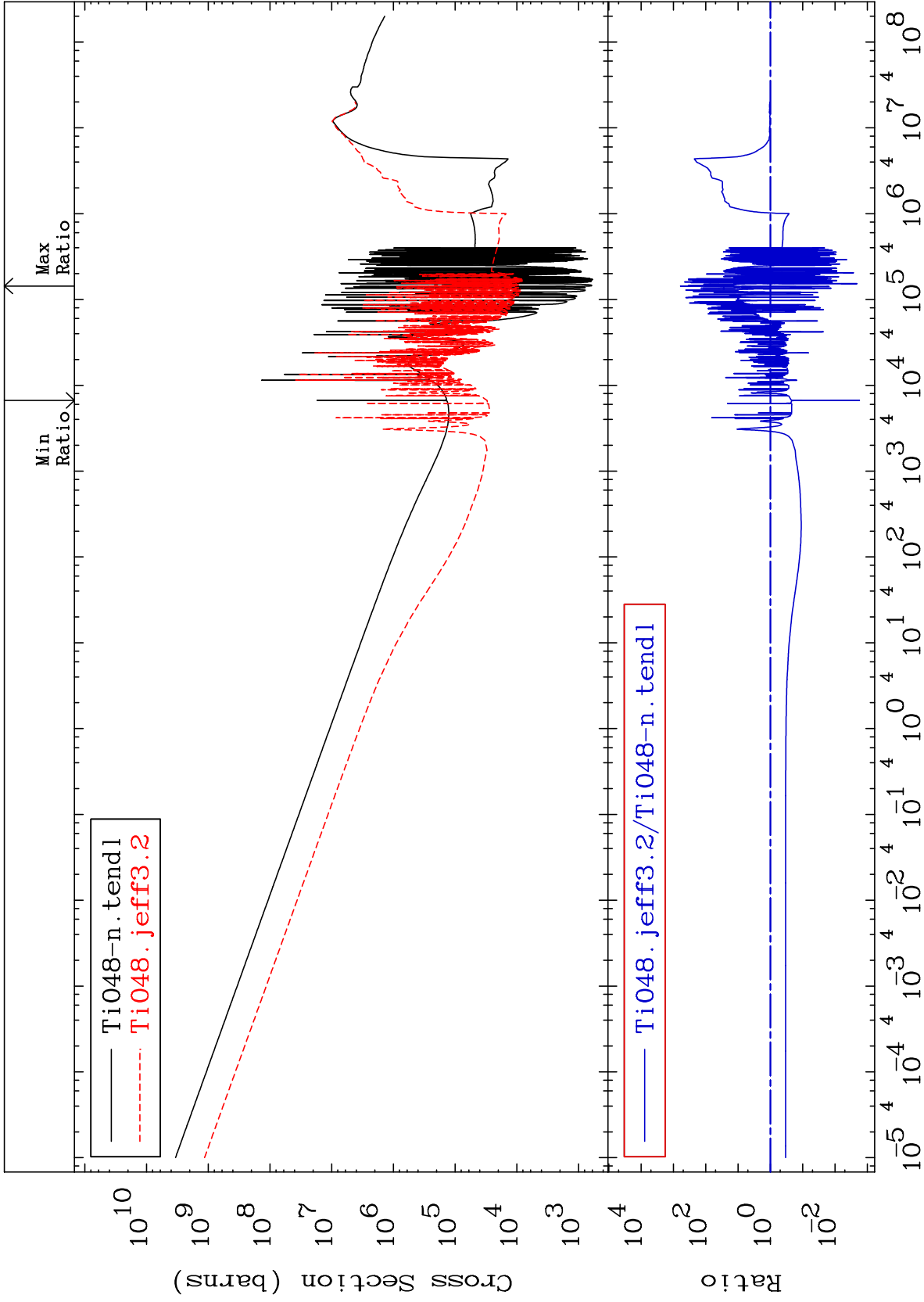
Incident Energy (eV)

22-Ti-48

MAT 2231

Total photon (eV-barns)
Cross Section

22-Ti-48
-99.82 To 9999. %



46

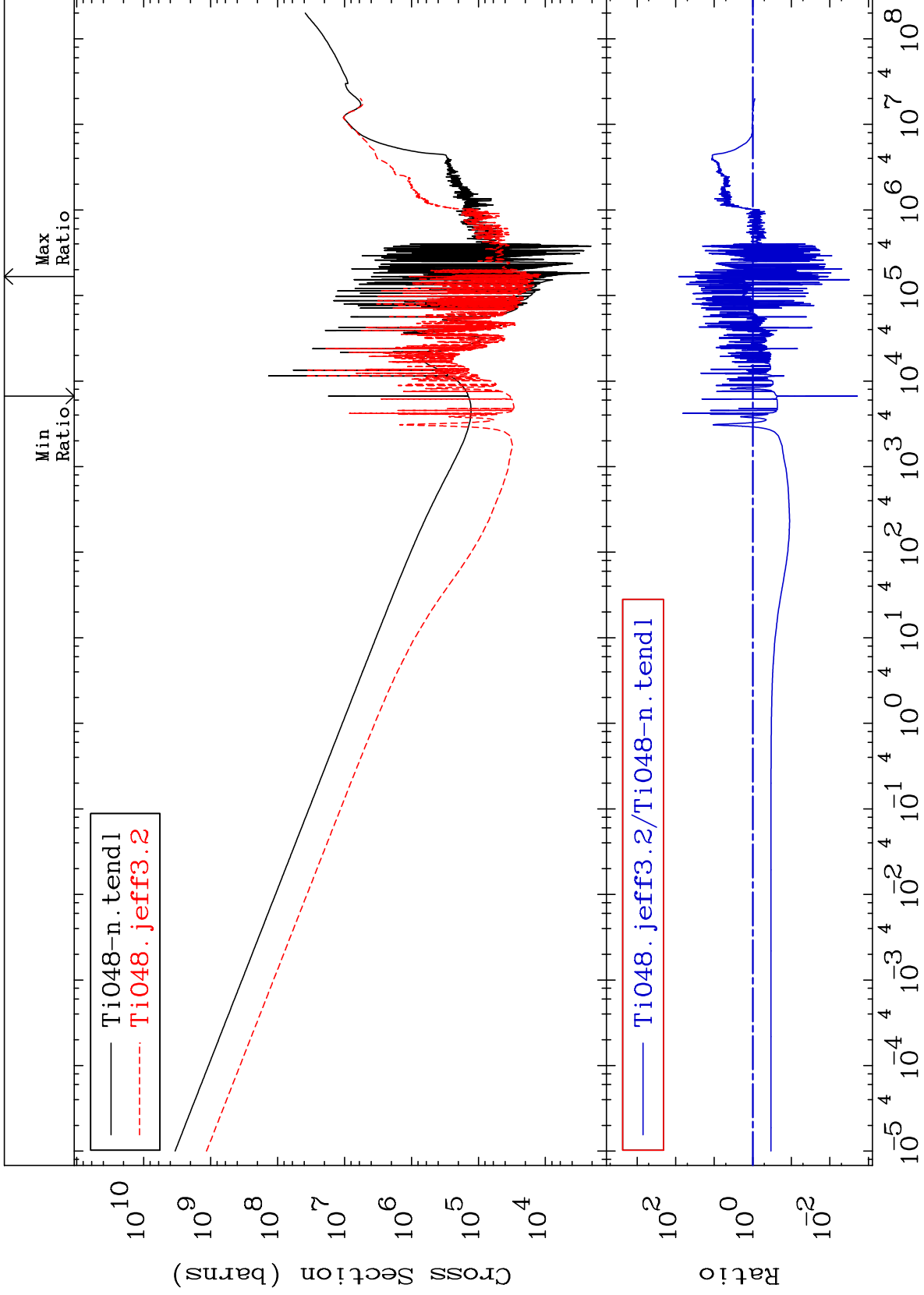
Incident Energy (eV)

22-Ti-48

MAT 2231

Total kinematic kerma (high limit)
Cross Section

22-Ti-48
-99.81 To 8273. %



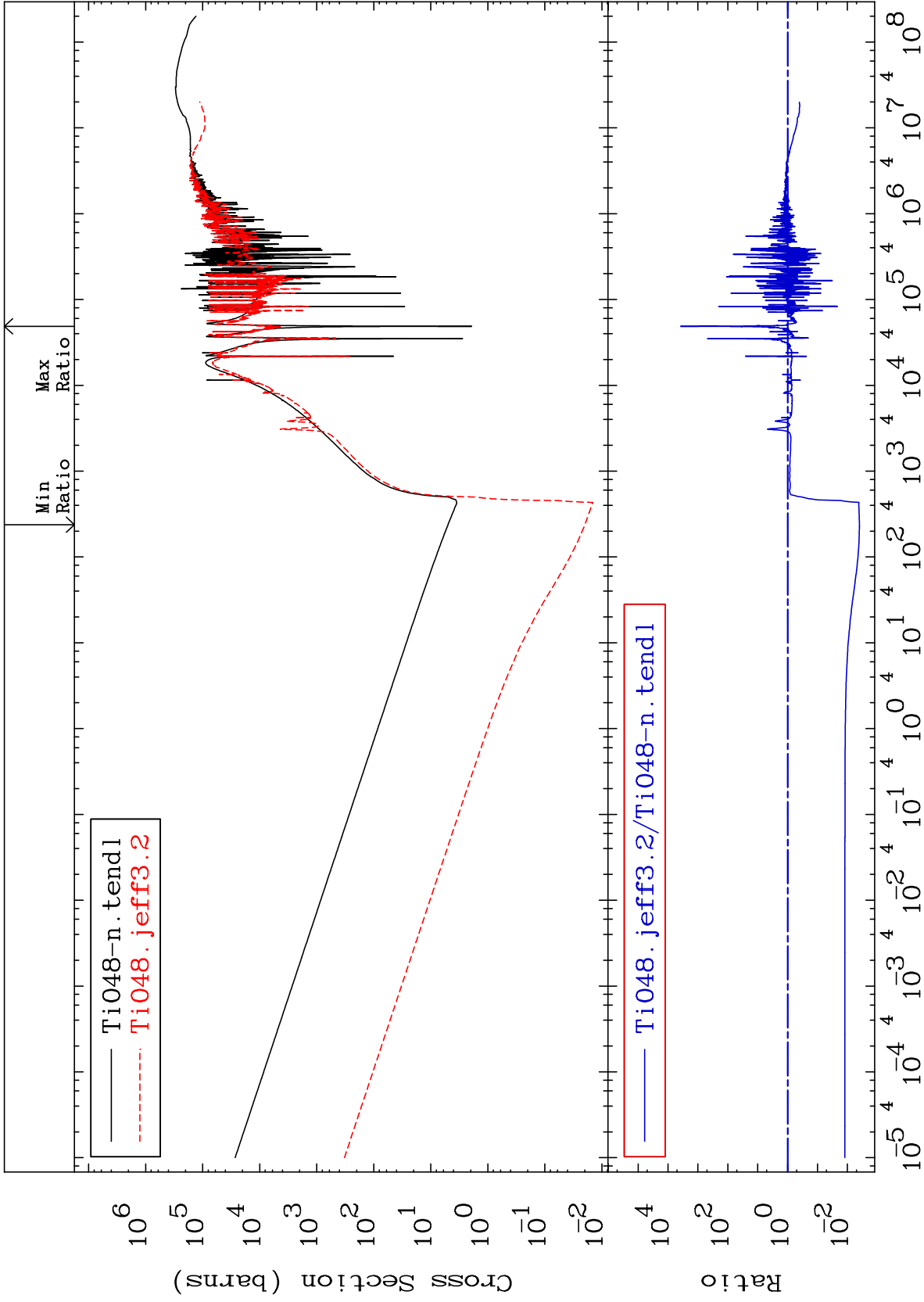
MAT 2231

Dpa total (eV-barns)

22-Ti-48

Cross Section

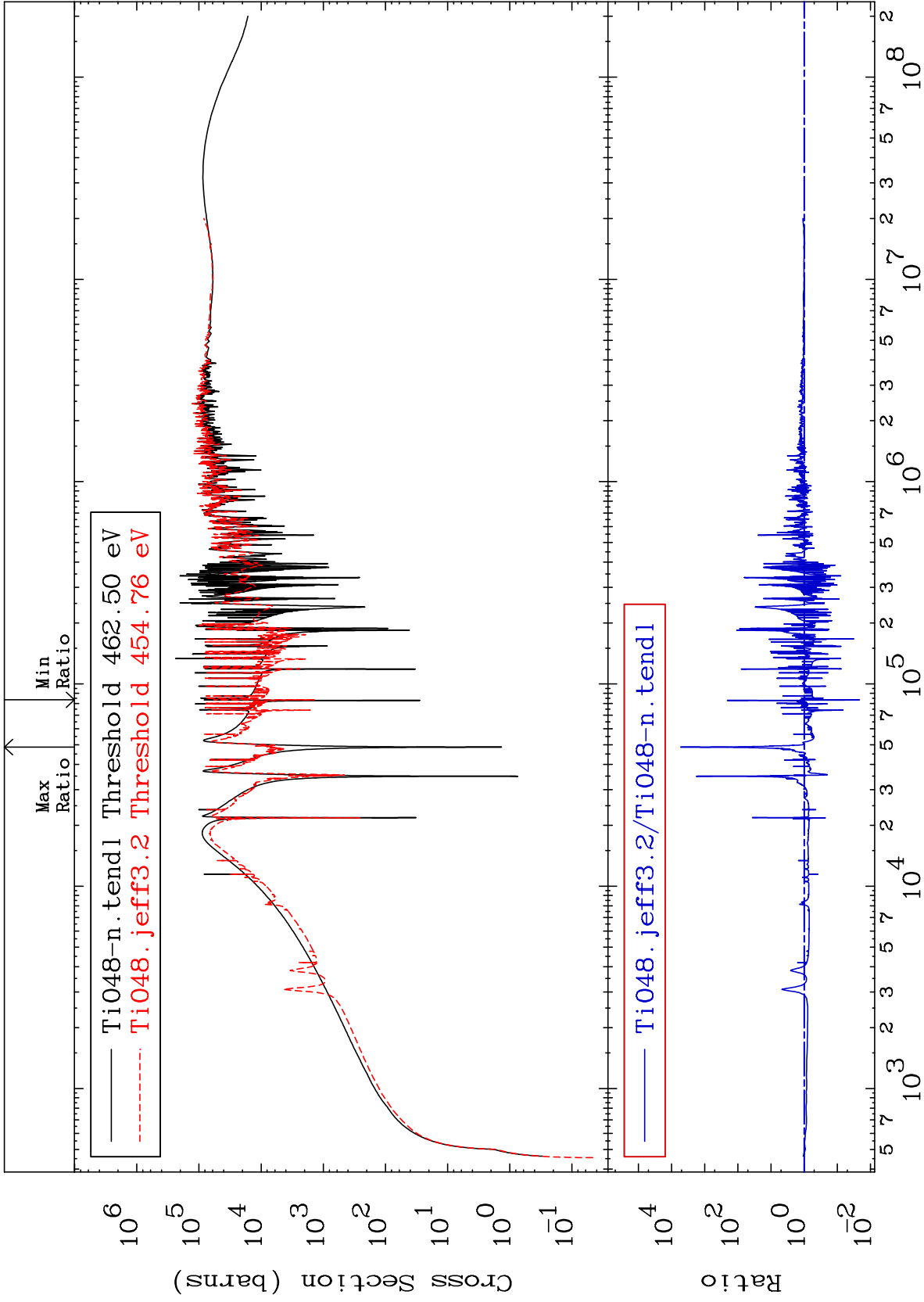
-99.60 To 9999. %



48

Incident Energy (eV)

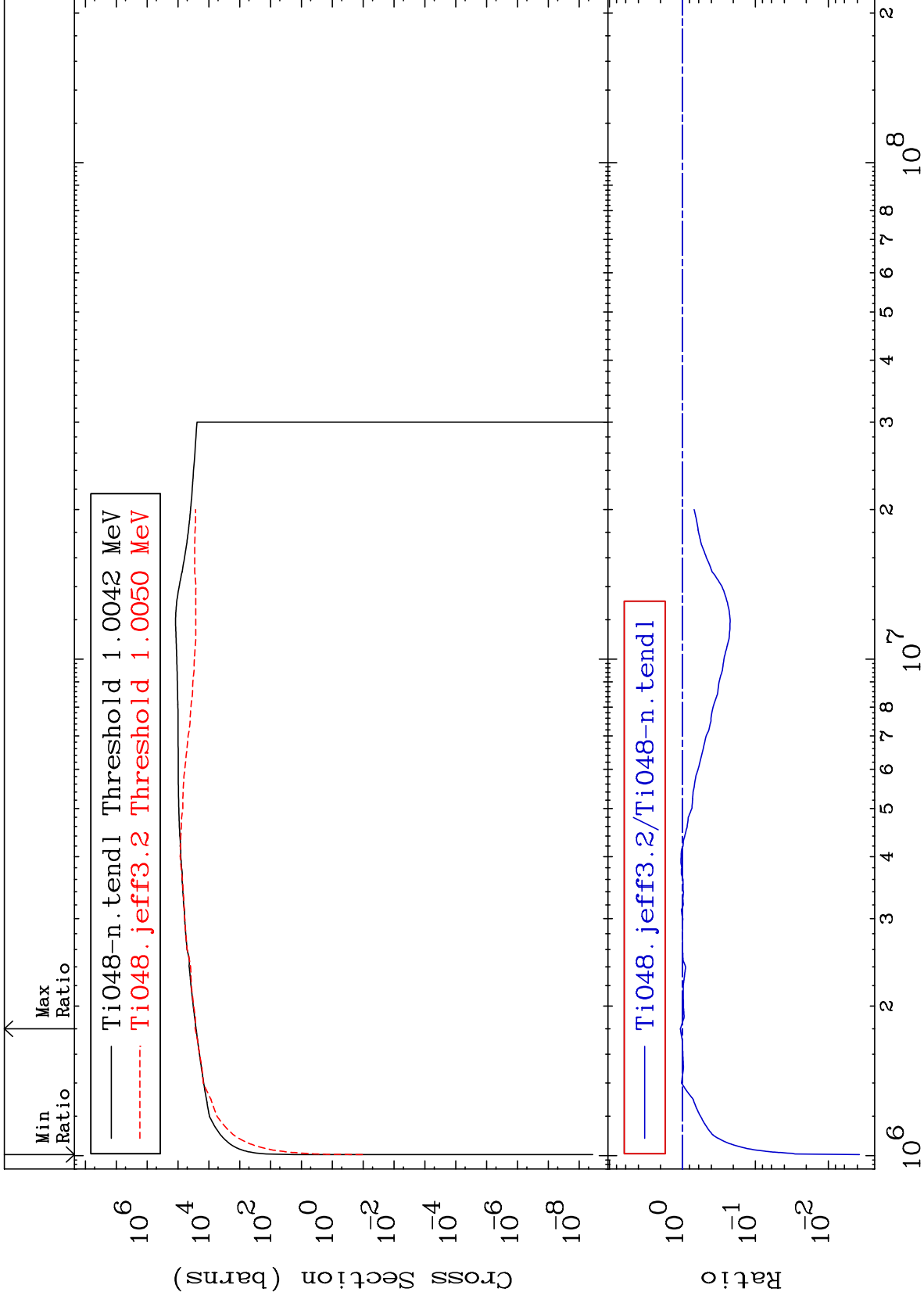
22-Ti-48



MAT 2231

Dpa inelastic (mt51-91)
Cross Section

22-Ti-48
-99.63 To 6.567 %



50

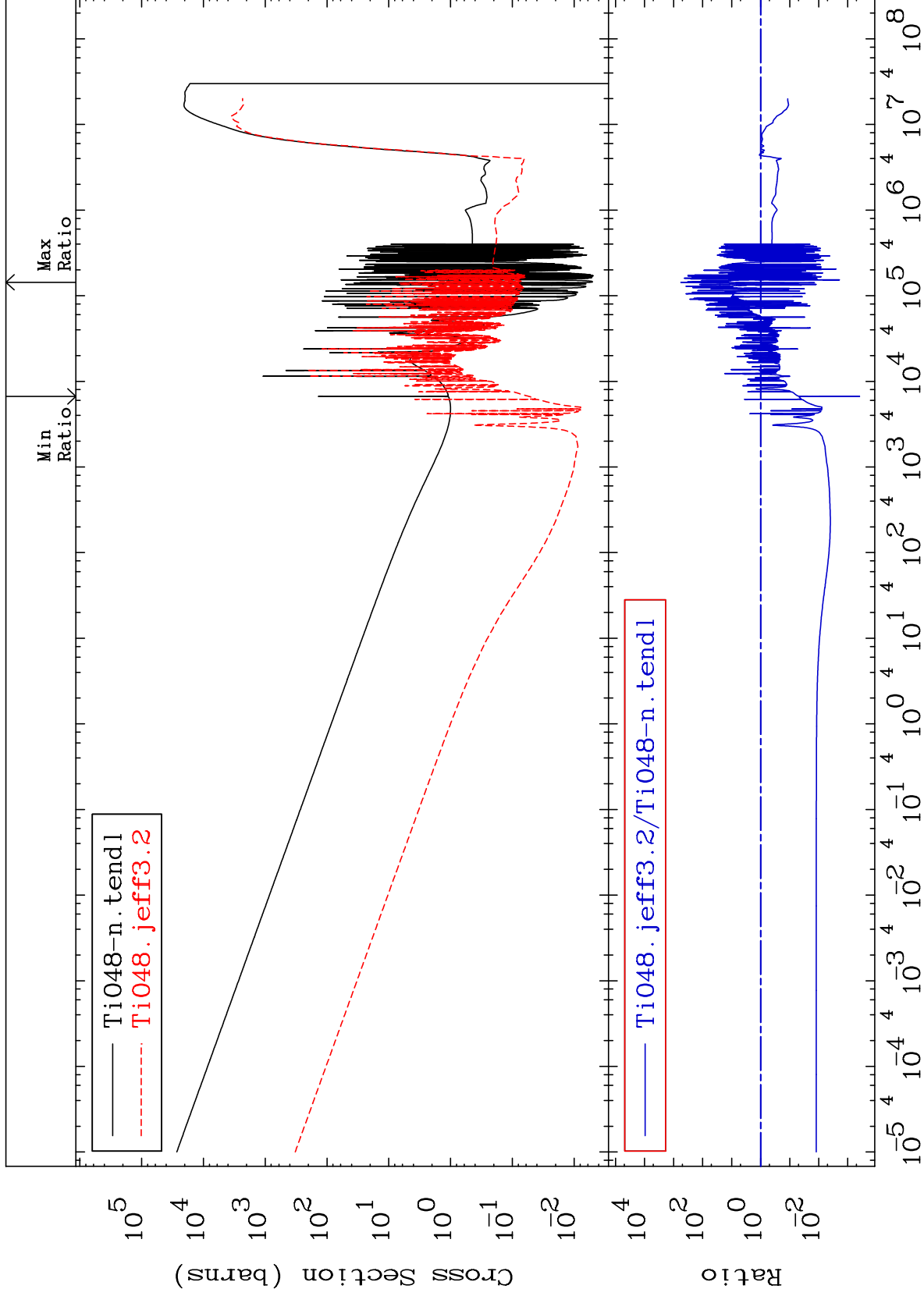
Incident Energy (eV)

22-Ti-48

MAT 2231

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-48
-99.96 To 9999. %



51

Incident Energy (eV)

22-Ti-48