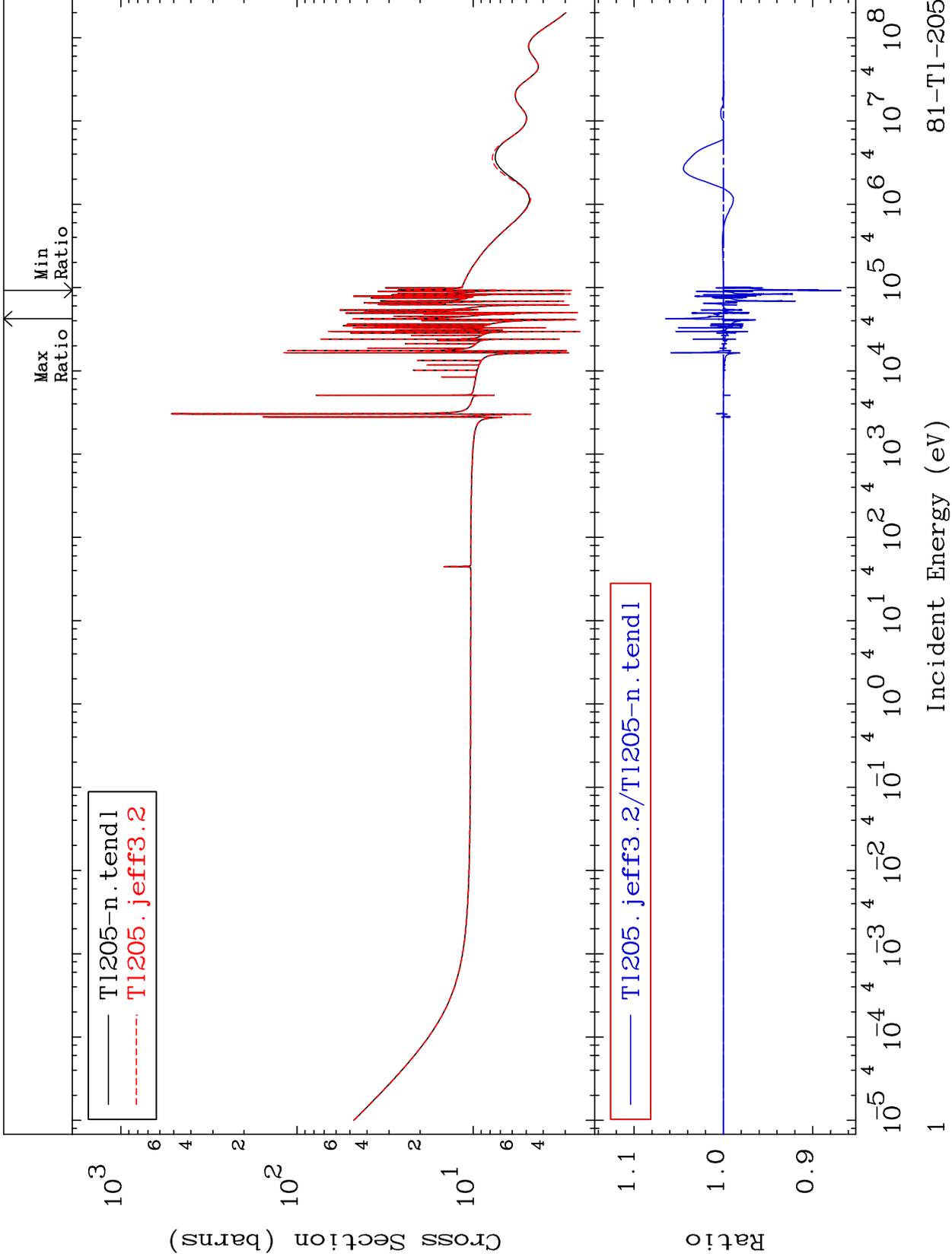


MAT 8131

Total
Cross Section

81-T1-205
-13.15 To 6.478 %



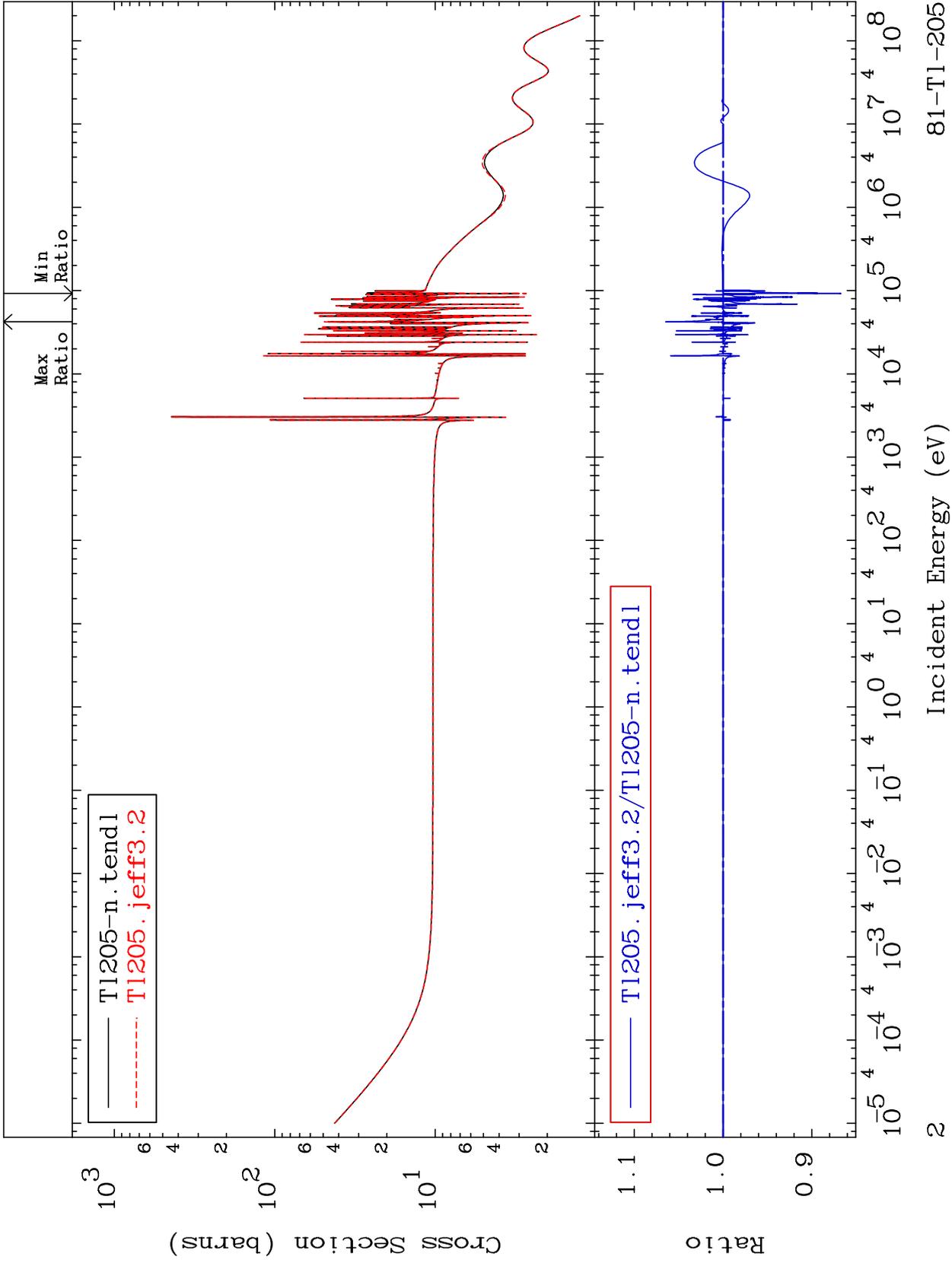
Incident Energy (eV)

81-T1-205

MAT 8131

Elastic
Cross Section

81-T1-205
-13.26 To 6.483 %



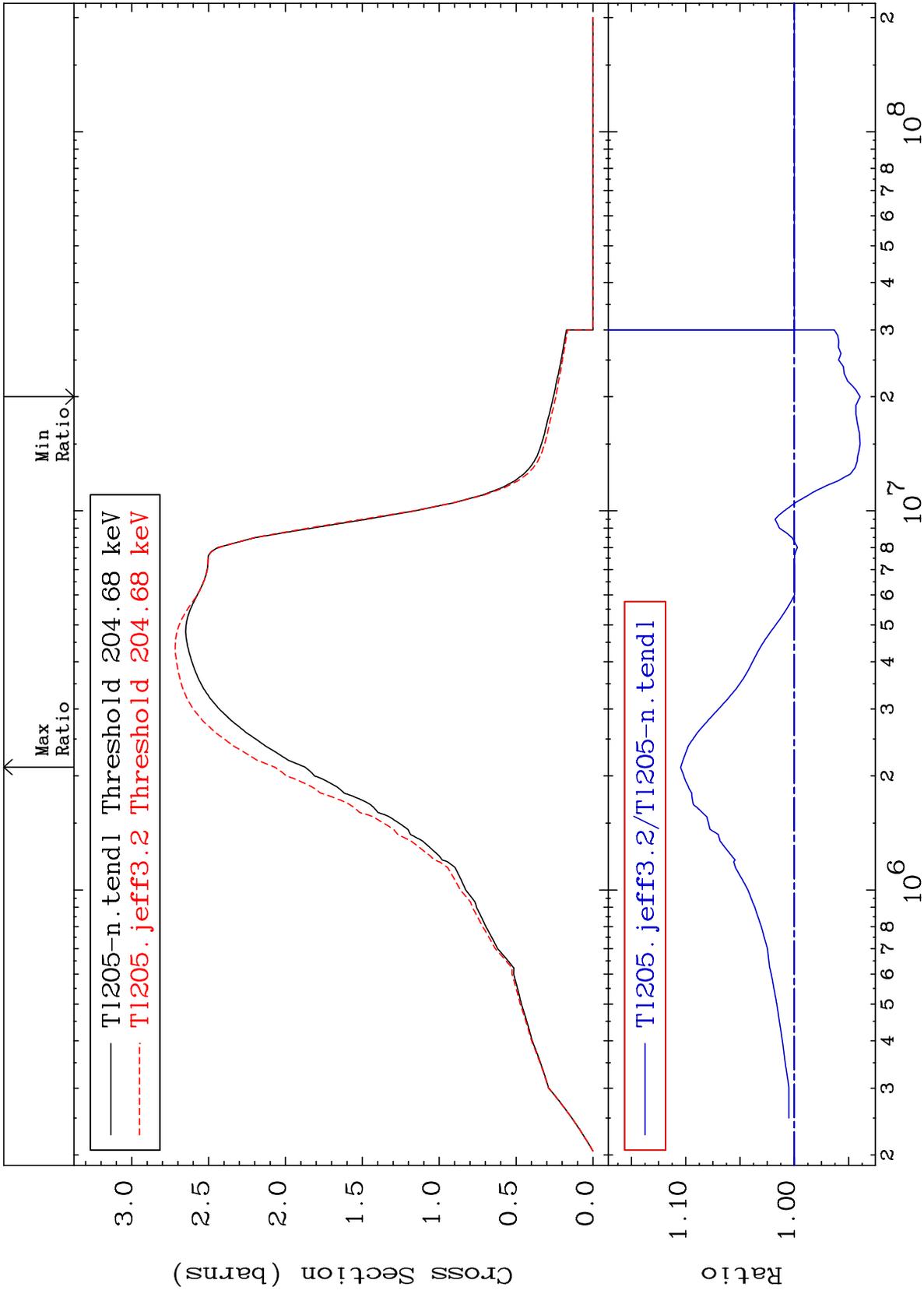
Incident Energy (eV)

81-T1-205

MAT 8131

Inelastic
Cross Section

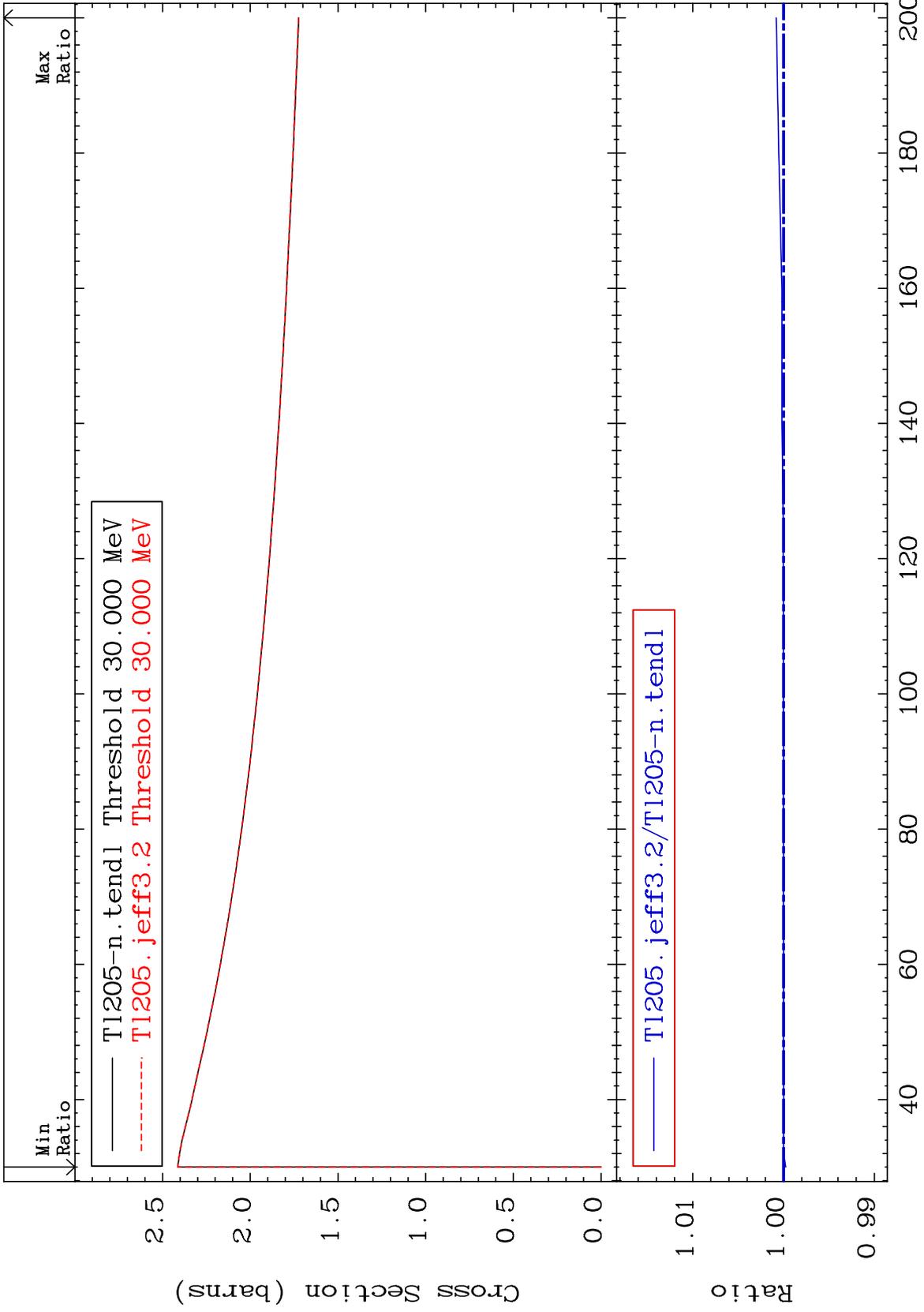
81-Tl-205
-6.061 To 10.46 %



MAT 8131

(n, remainder)
Cross Section

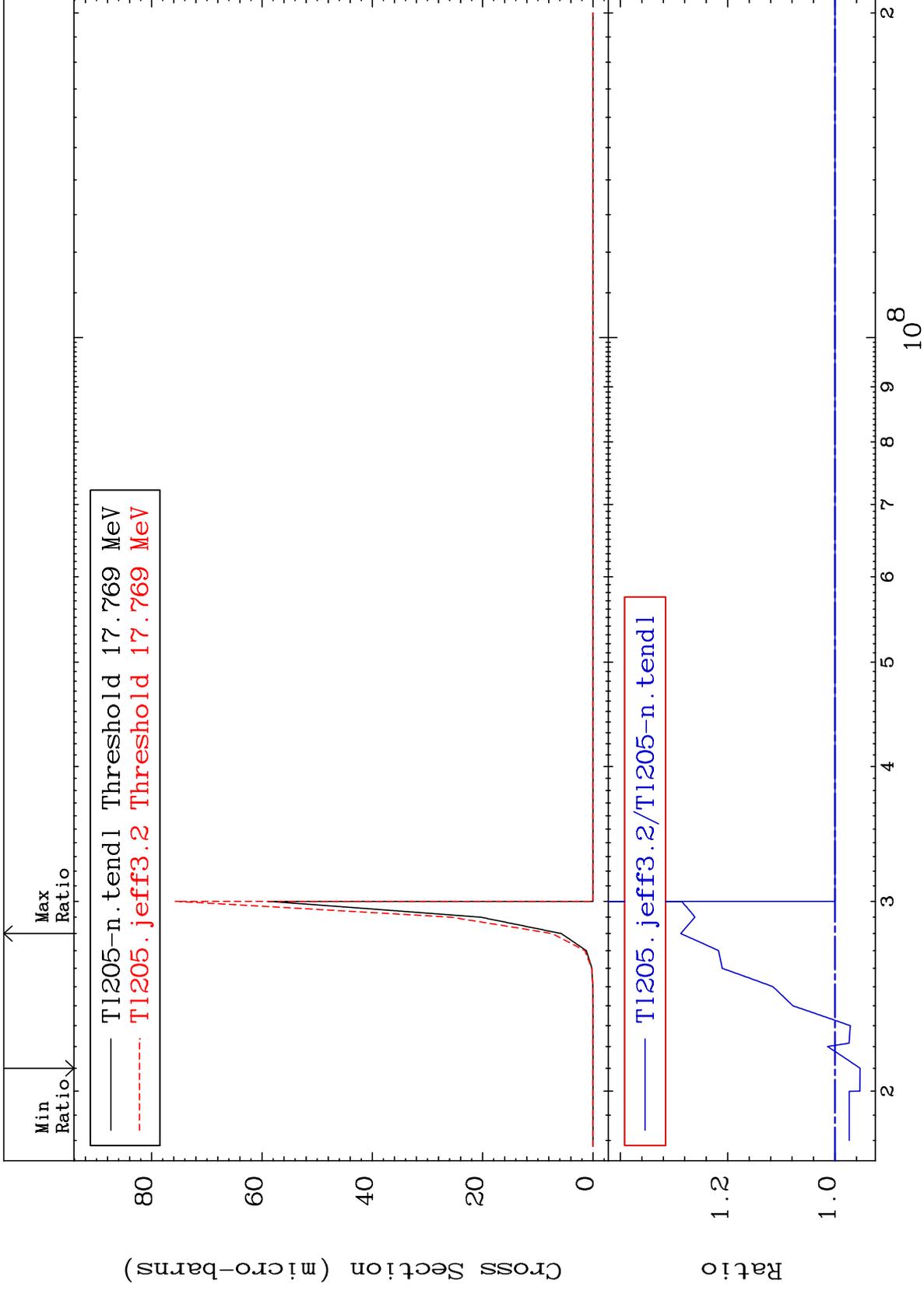
81-Tl-205
-0.023 To 0.080 %



MAT 8131

(n,2n) d
Cross Section

81-Tl-205
-4.667 To 28.75 %



5

Incident Energy (eV)

81-Tl-205

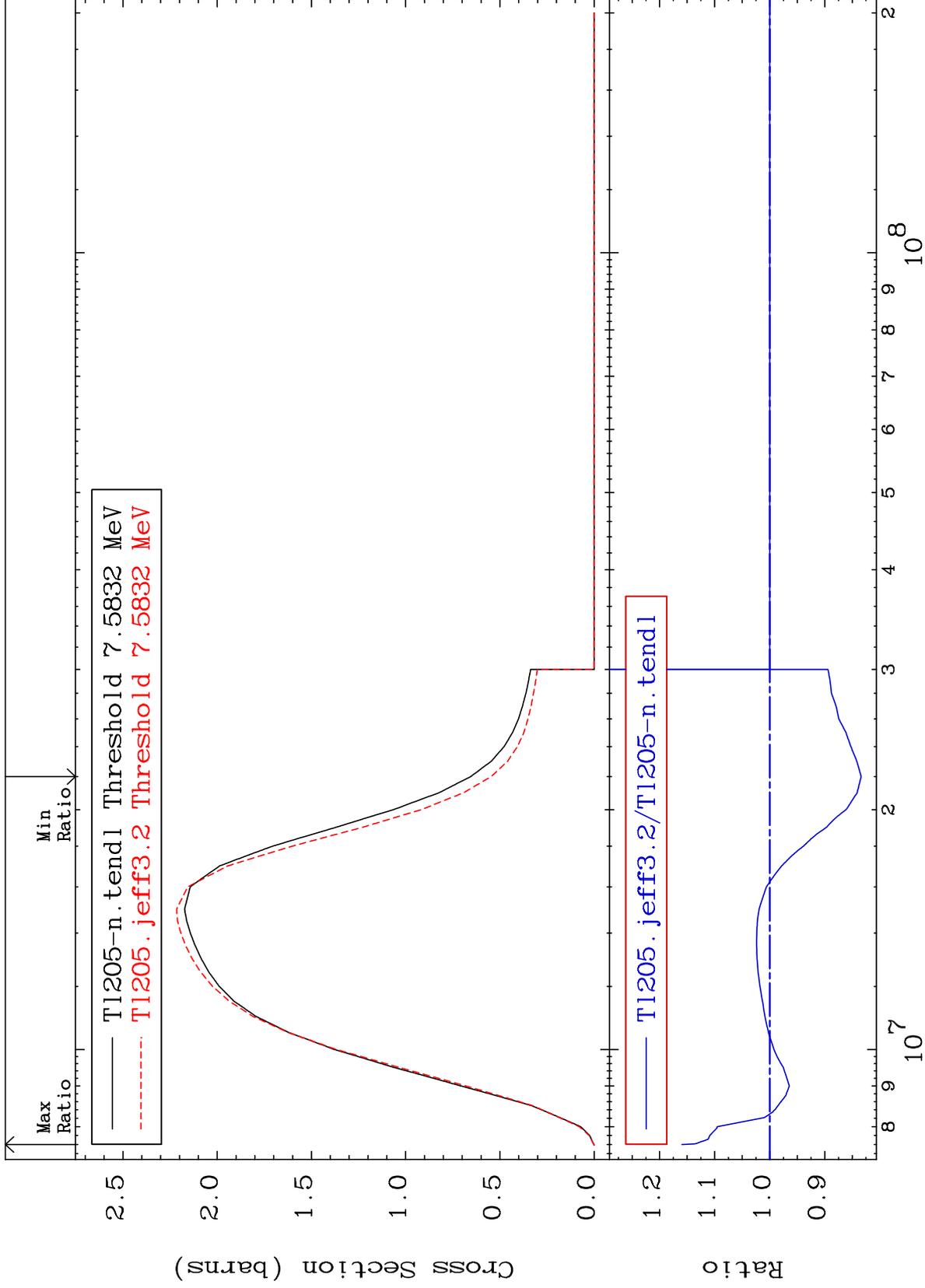
MAT 8131

(n,2n)

81-Tl-205

Cross Section

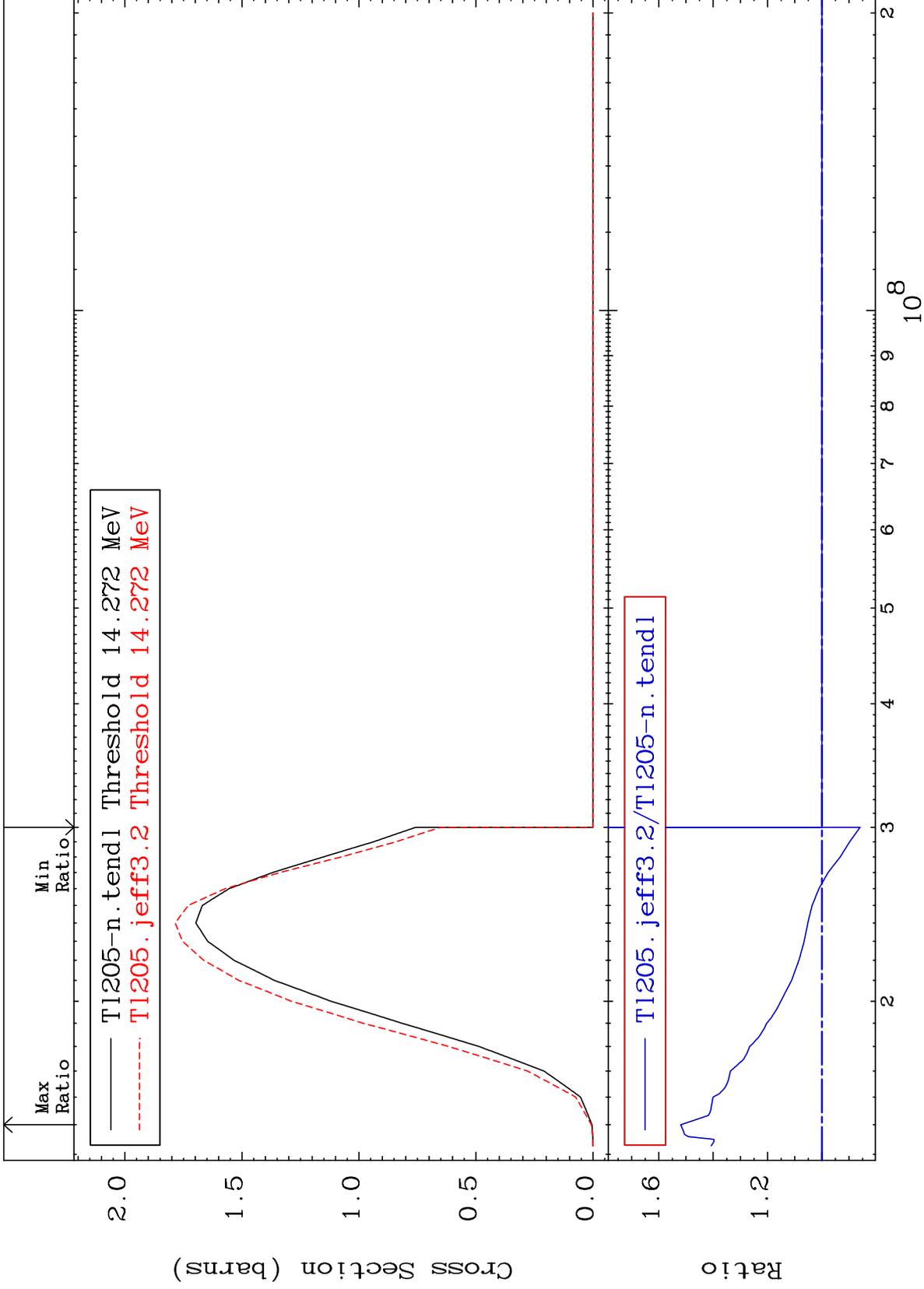
-16.61 To 15.95 %



6

Incident Energy (eV)

81-Tl-205



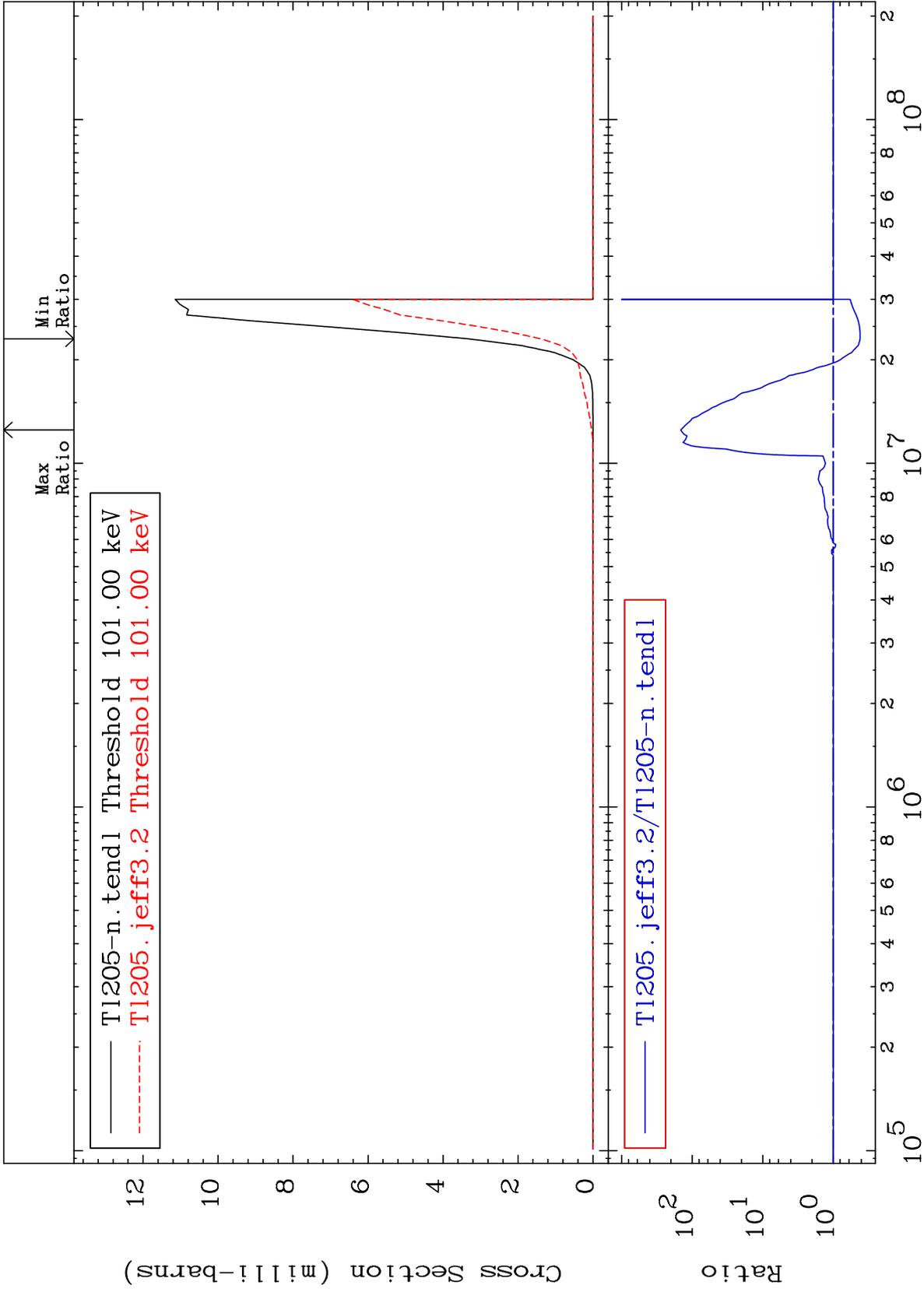
MAT 8131

(n, n') α

81-Tl-205

Cross Section

-58.33 To 9999. %



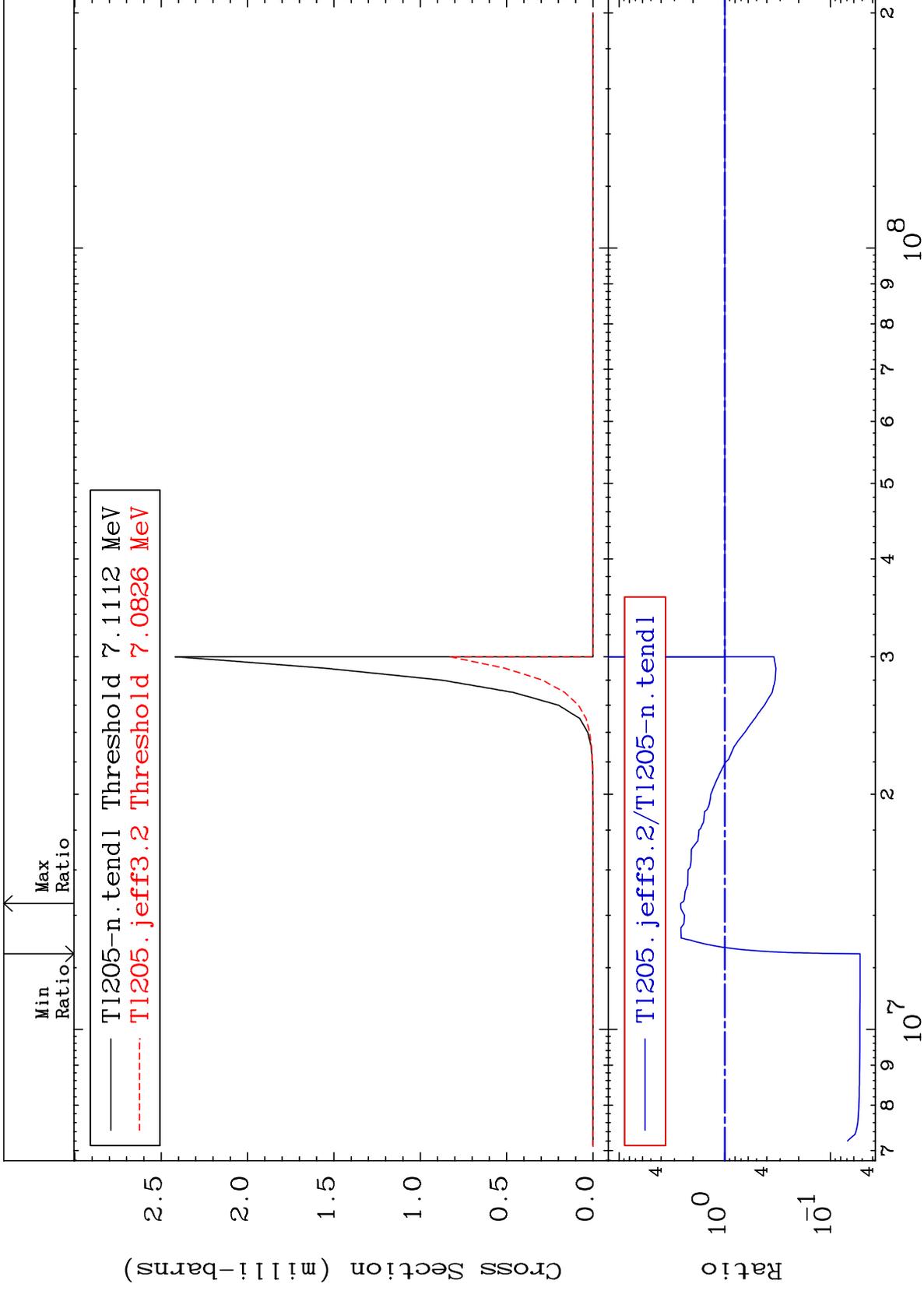
81-Tl-205

81-Tl-205

MAT 8131

(n,2n) α
Cross Section

81-Tl-205
-94.76 To 160.9 %



9

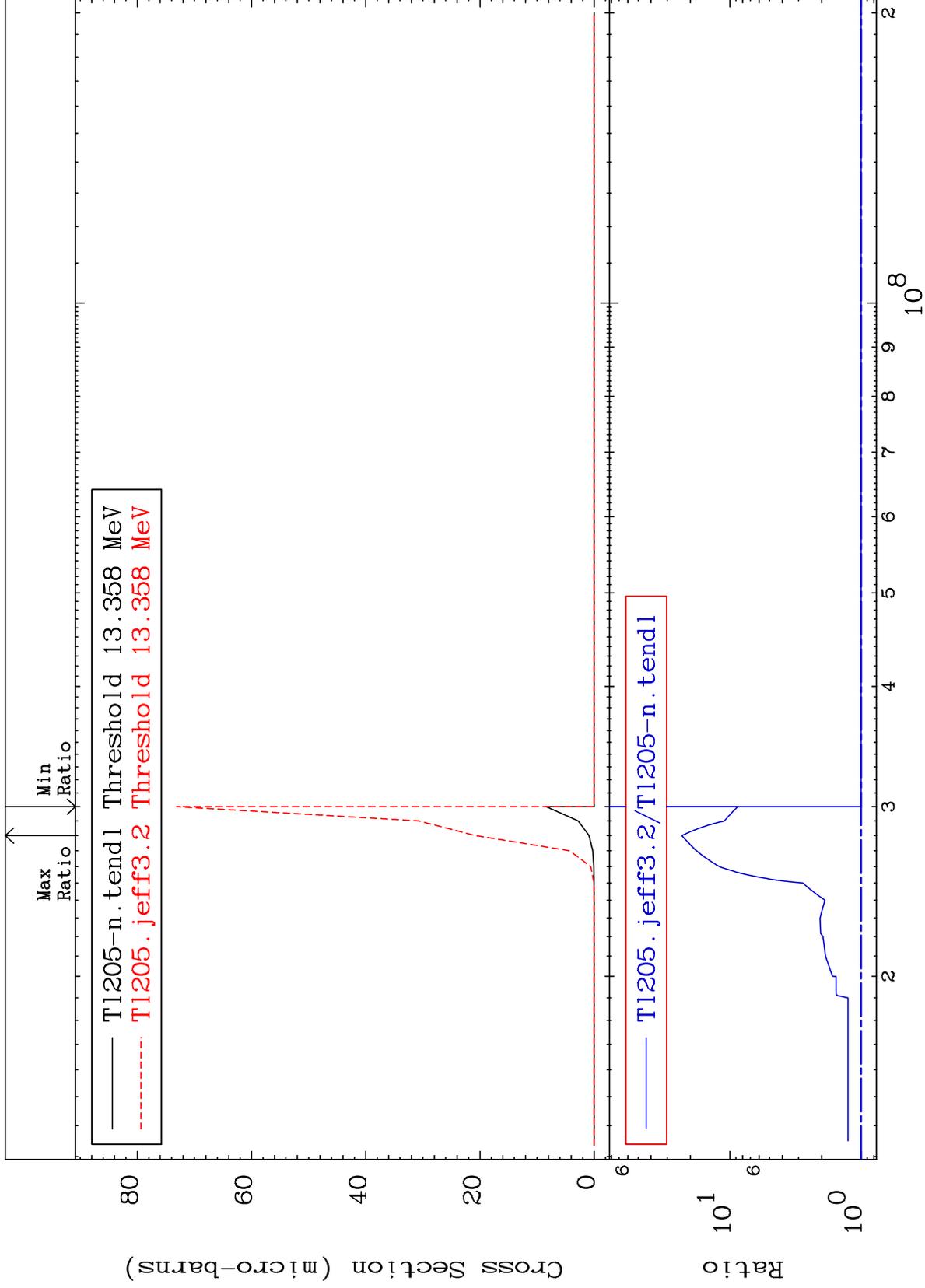
Incident Energy (eV)

81-Tl-205

MAT 8131

(n,3n) α
Cross Section

81-Tl-205
0.000 To 2224. %



10

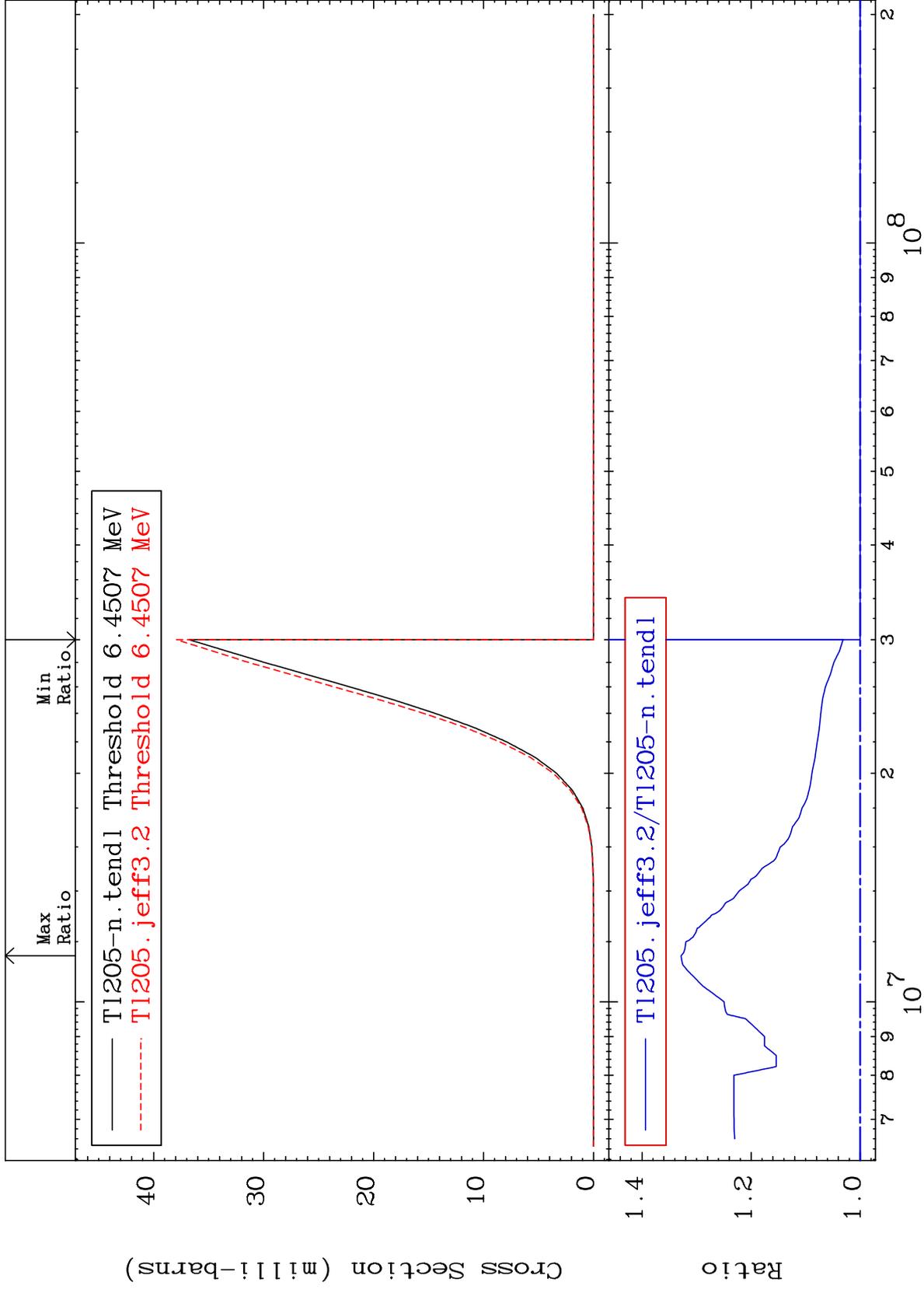
Incident Energy (eV)

81-Tl-205

MAT 8131

(n,n') p
Cross Section

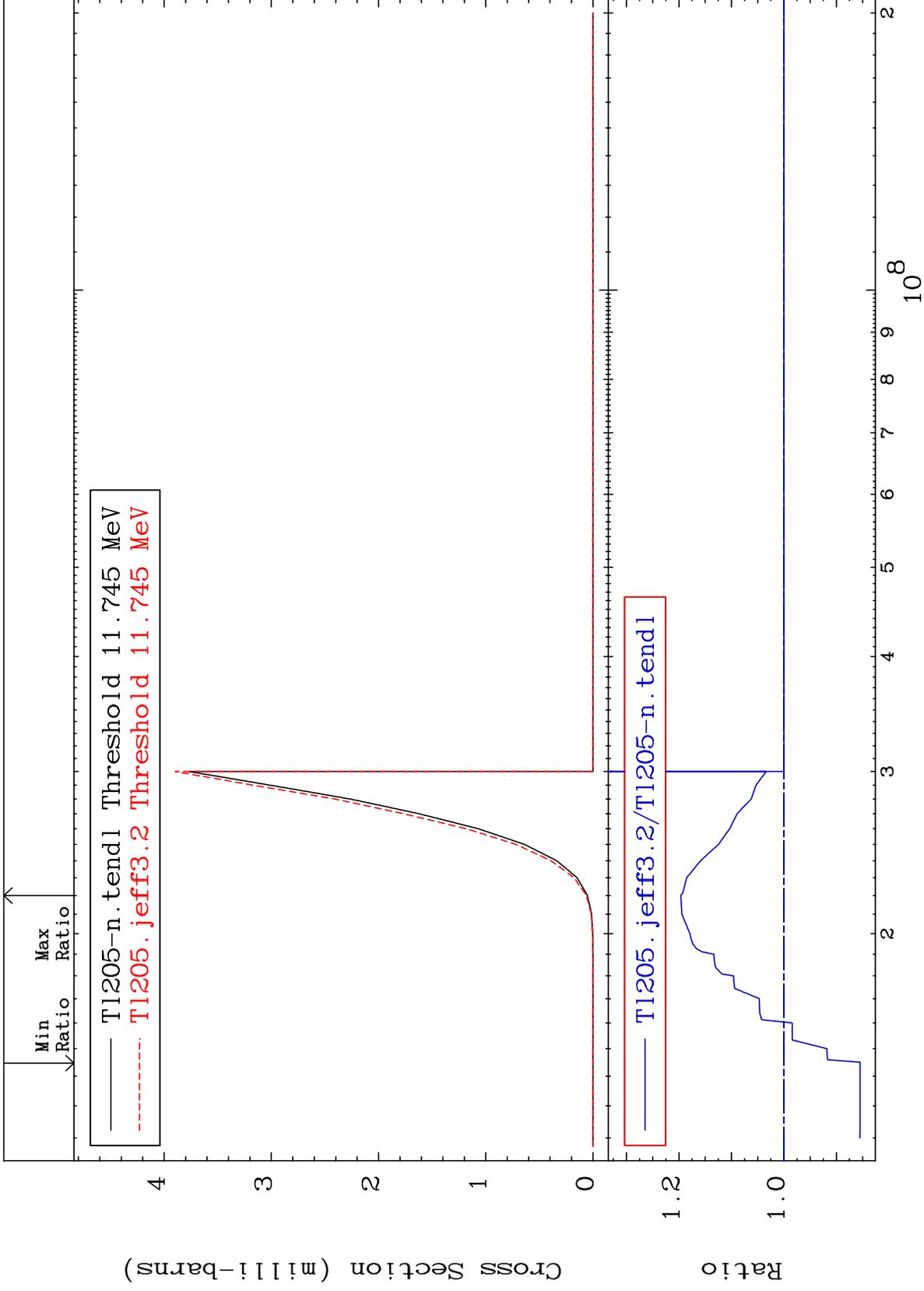
81-Tl-205
0.000 To 32.83 %



MAT 8131

(n, n') d
Cross Section

81-Tl-205
-14.52 To 19.66 %



12

81-Tl-205

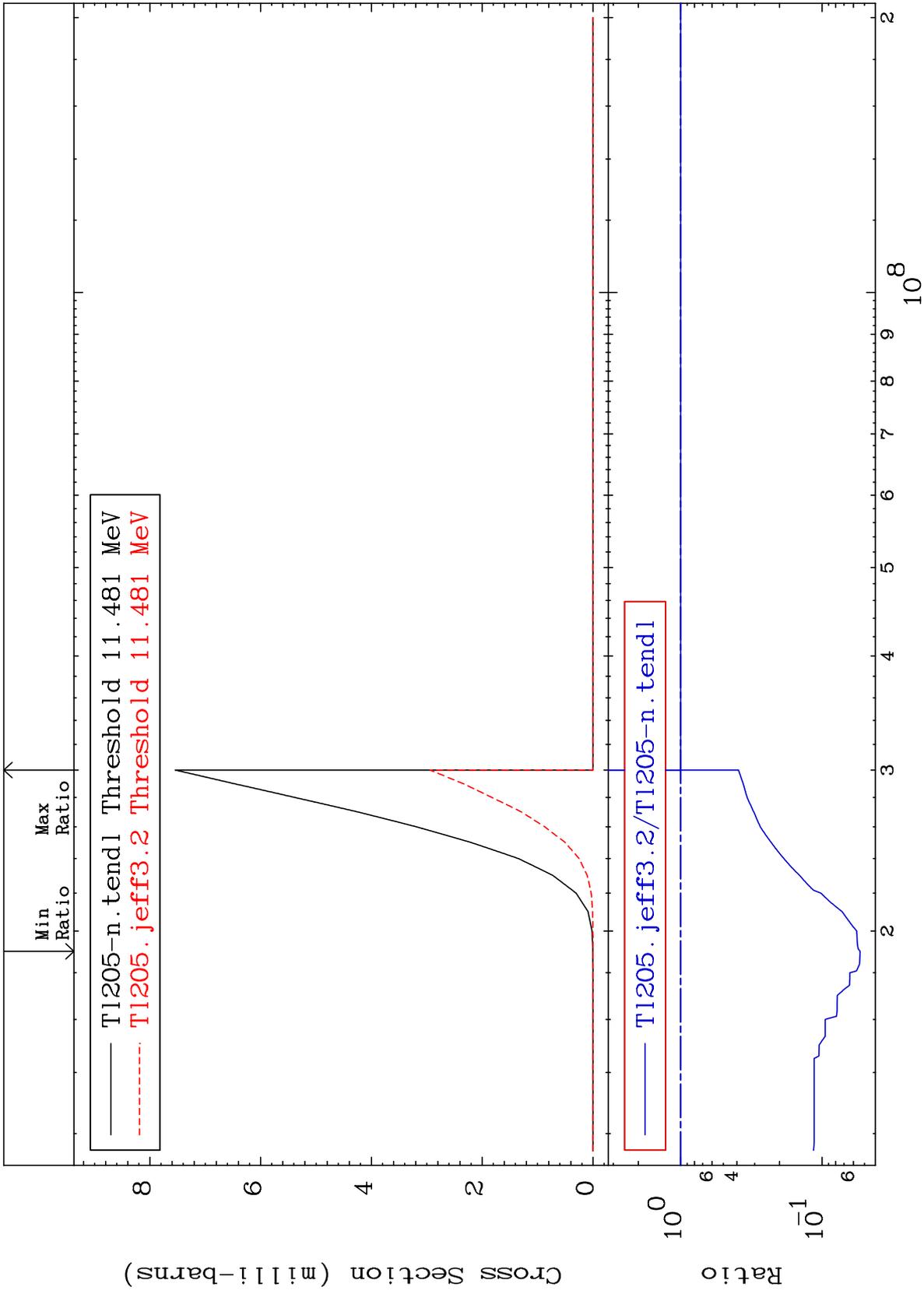
MAT 8131

(n, n') t

81-Tl-205

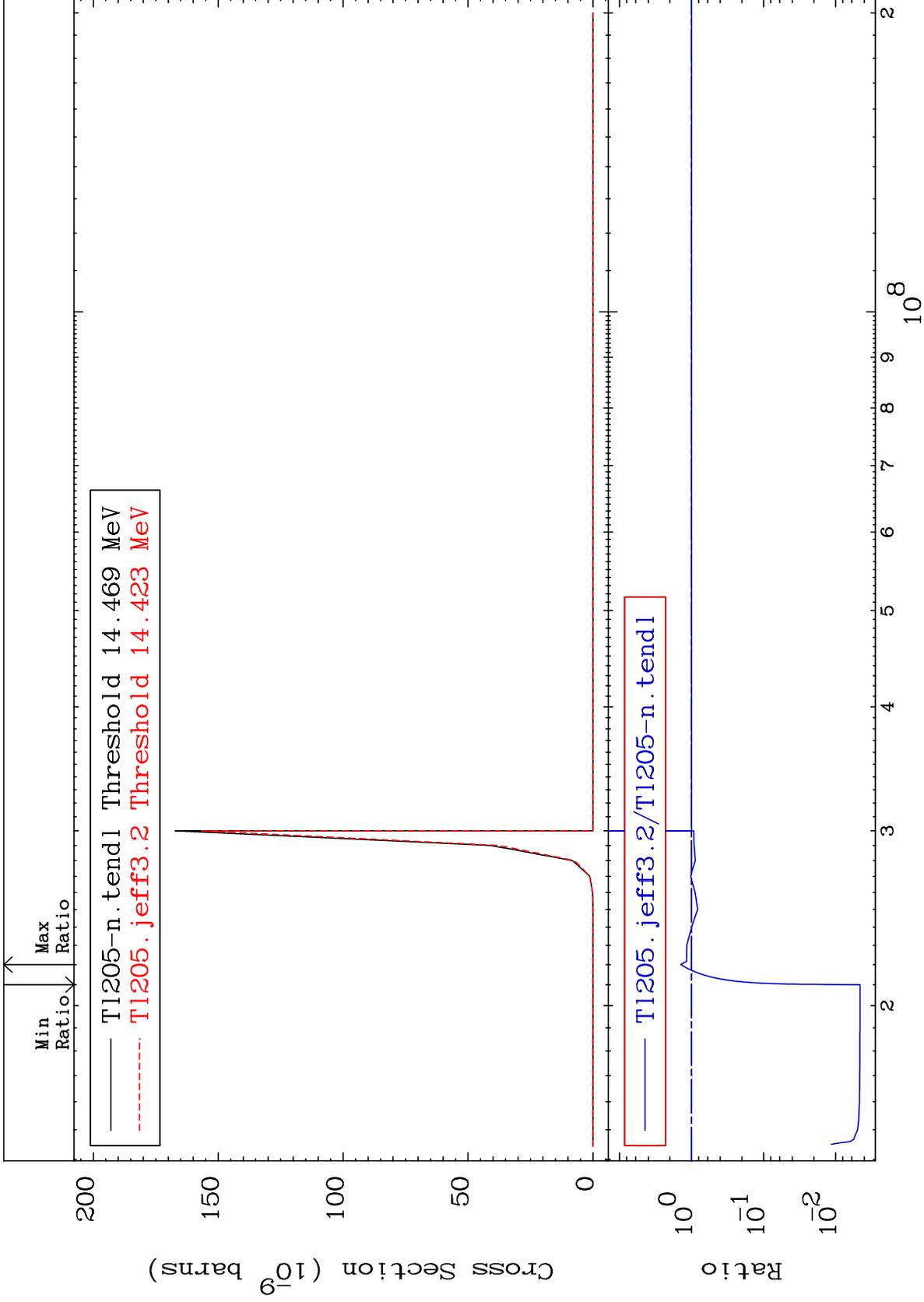
Cross Section

-94.62 To 0.000 %



13

81-Tl-205



MAT 8131

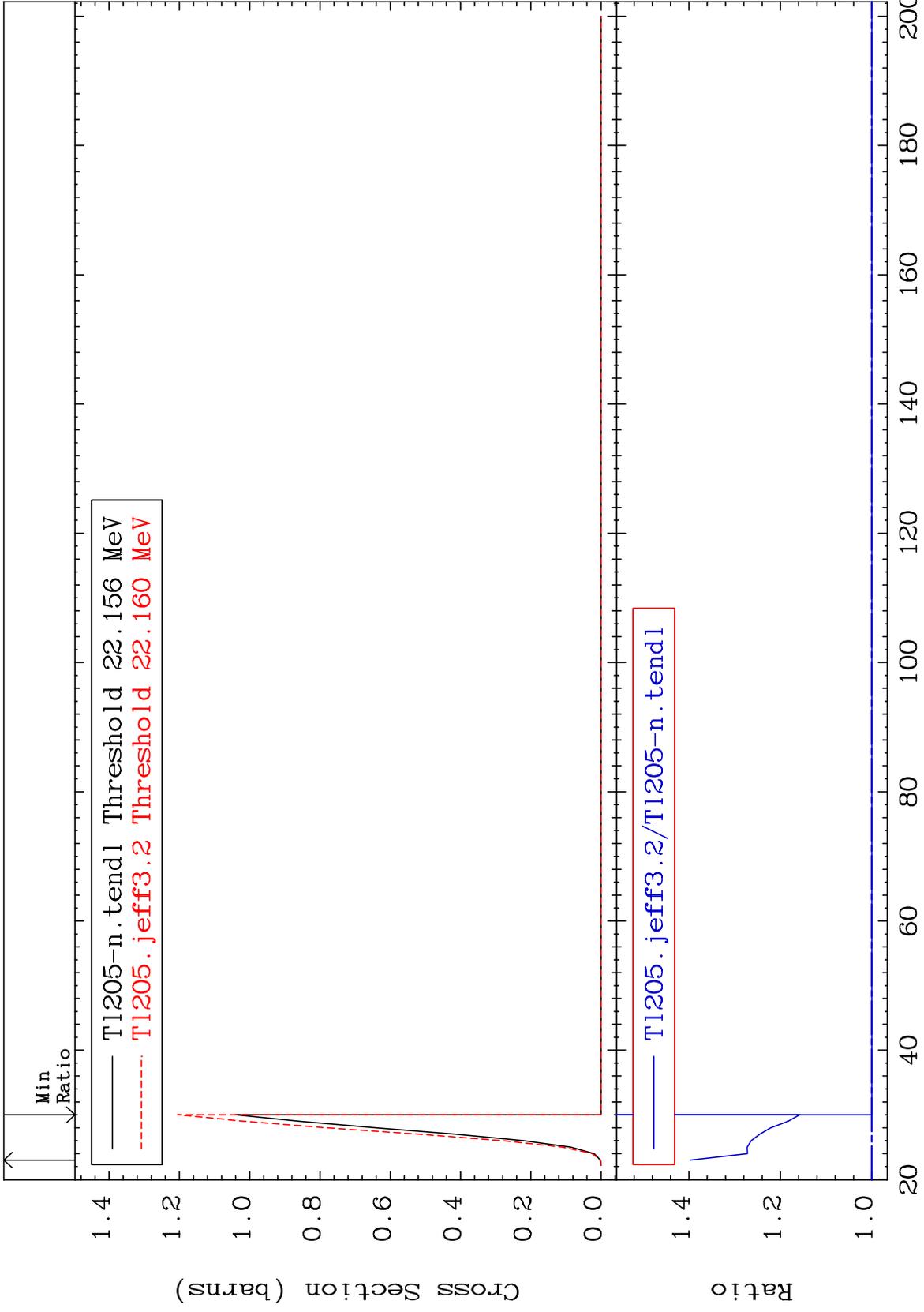
(n,4n)

81-Tl-205

Cross Section

0.000

To 39.75 %



15

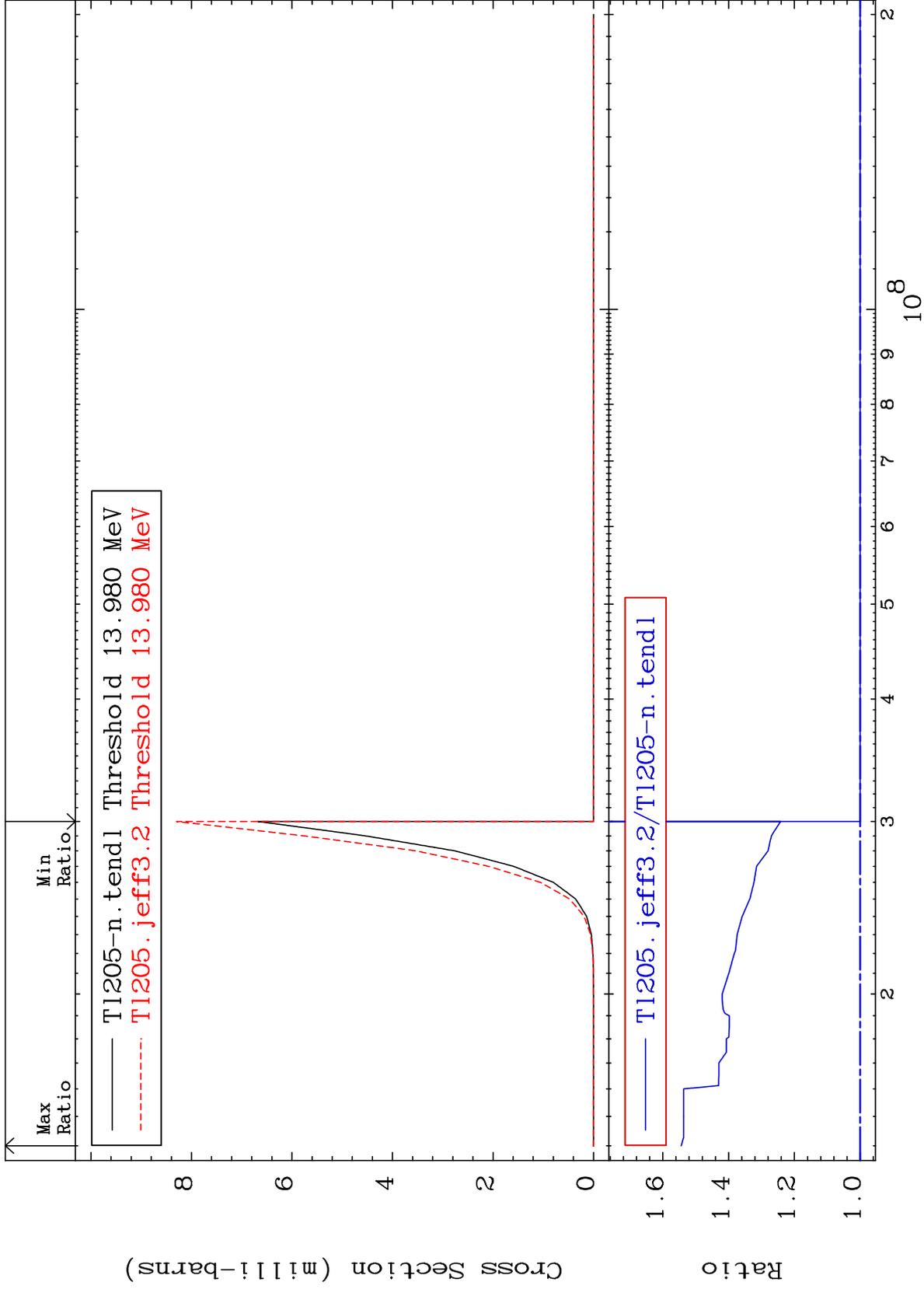
Incident Energy (MeV)

81-Tl-205

MAT 8131

(n,2n) p
Cross Section

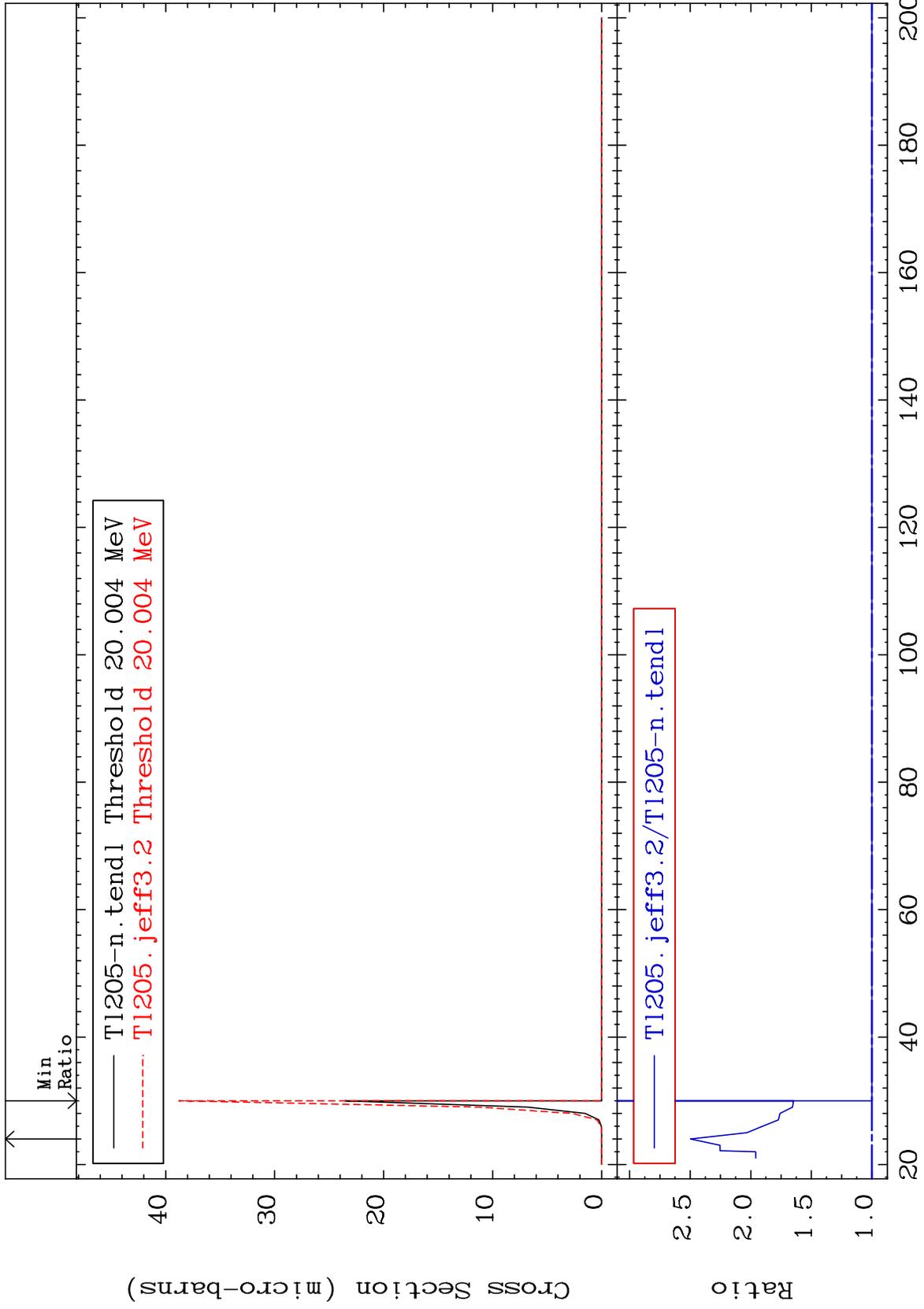
81-Tl-205
0.000 To 54.42 %



MAT 8131

(n,3n) p
Cross Section

81-Tl-205
0.000 To 149.8 %



17

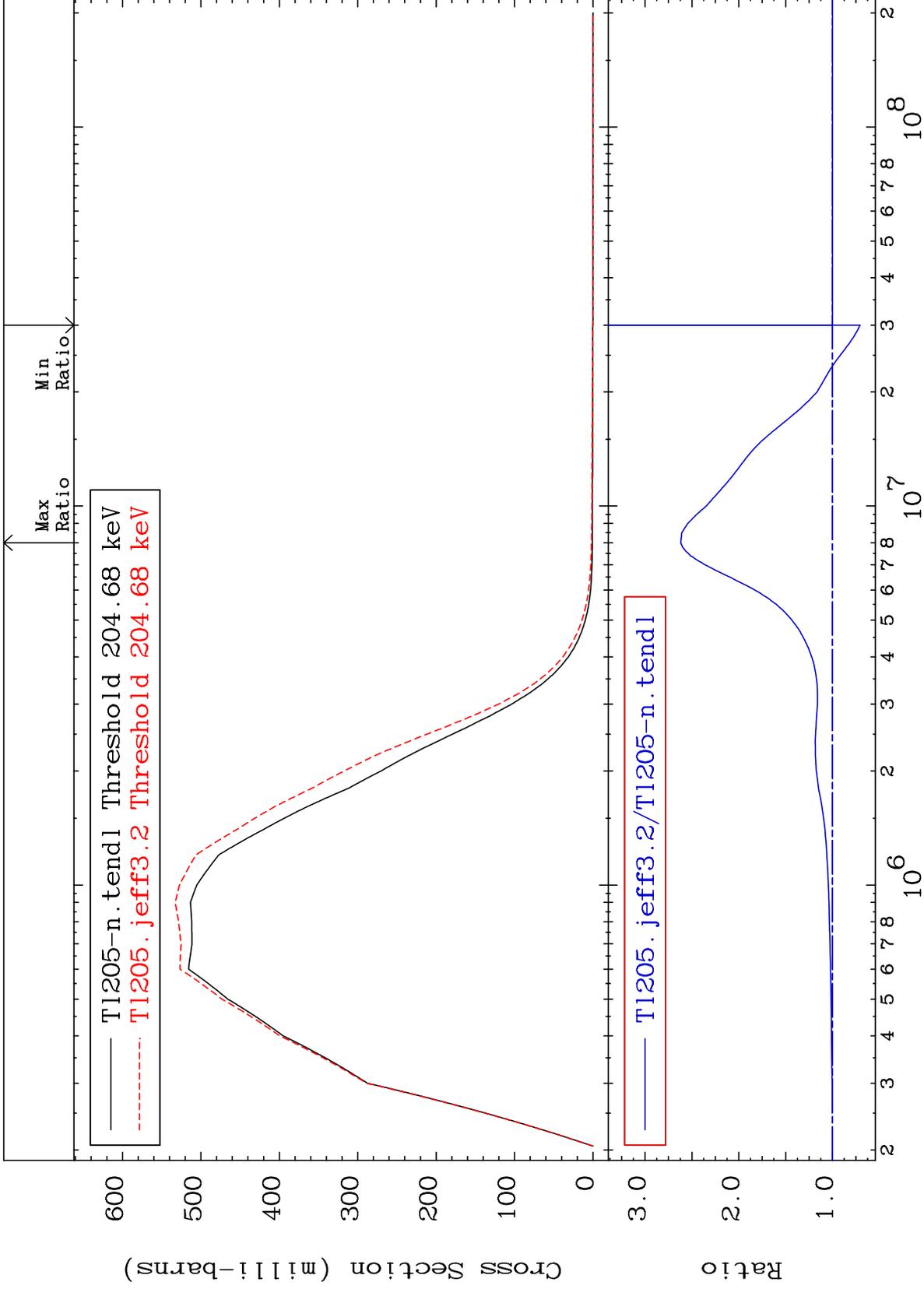
Incident Energy (MeV)

81-Tl-205

MAT 8131

203.7 keV (n,n') Level
Cross Section

81-Tl-205
-29.41 To 161.9 %

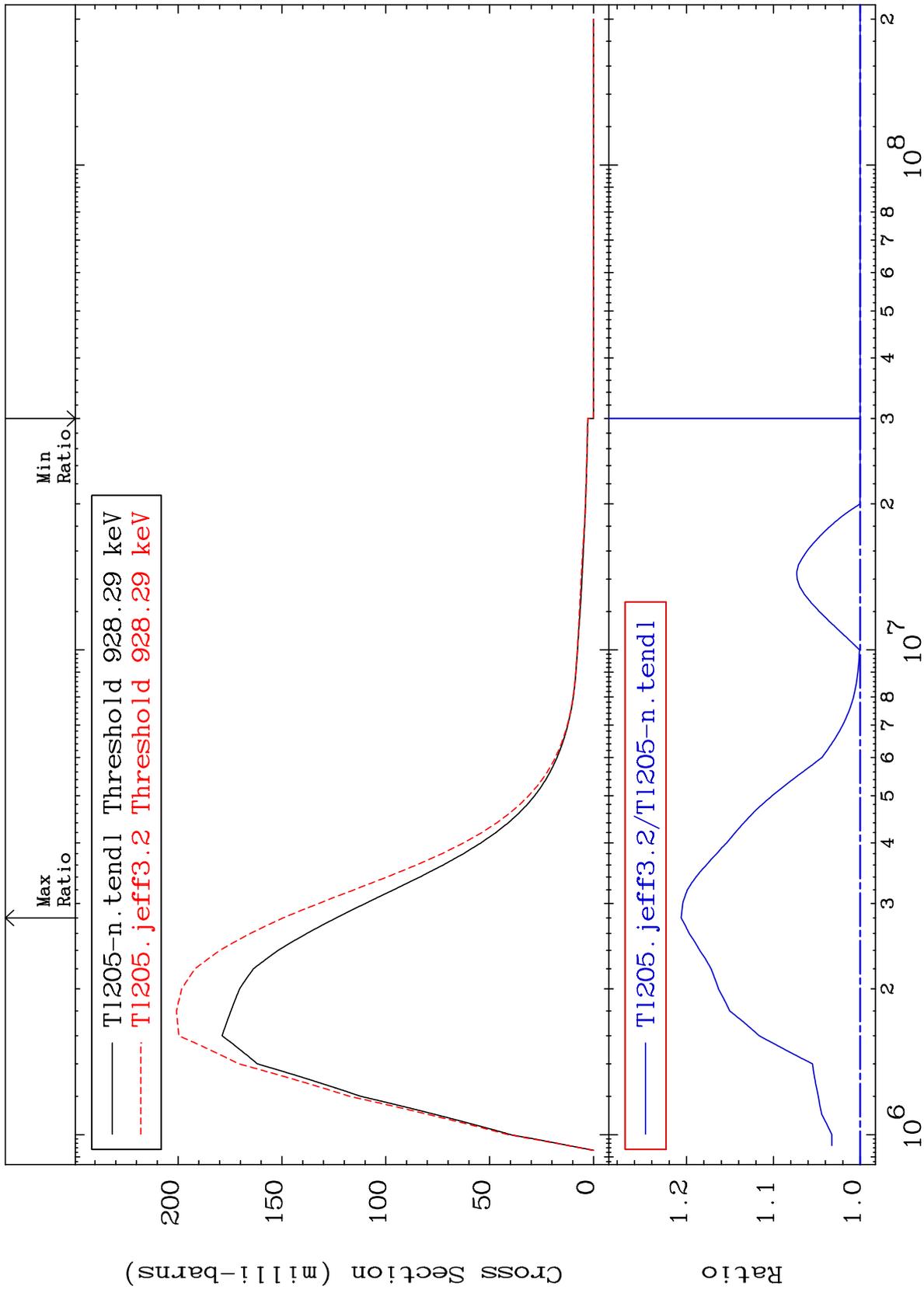


18

Incident Energy (eV)

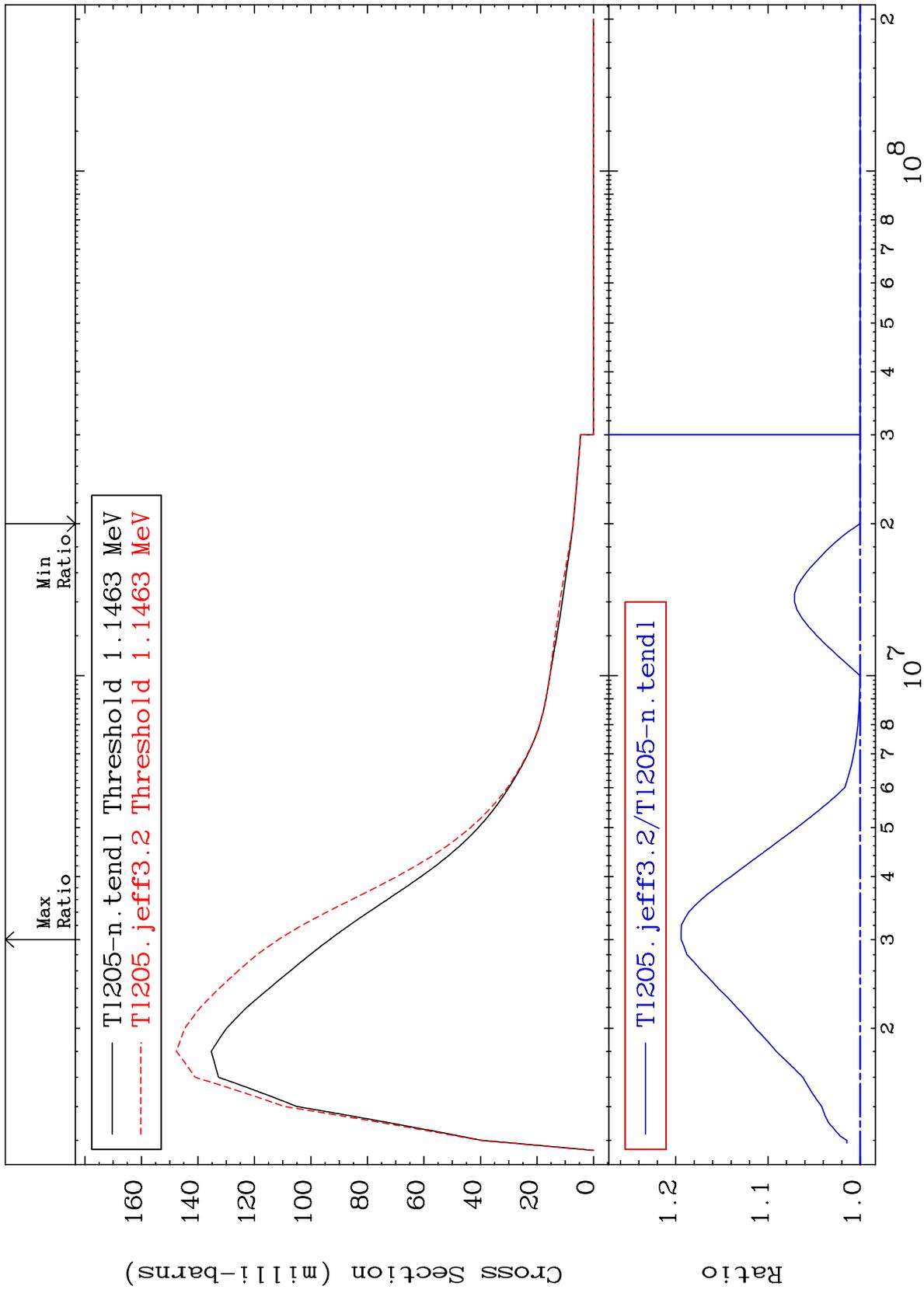
81-Tl-205

MAT 8131 923.7 keV (n,n') Level 81-Tl-205
 Cross Section 0.000 To 20.62 %



20 10⁶ 10⁷ 10⁸ 81-Tl-205

MAT 8131 1.141 MeV (n,n') Level Cross Section 81-Tl-205 To 19.41 %

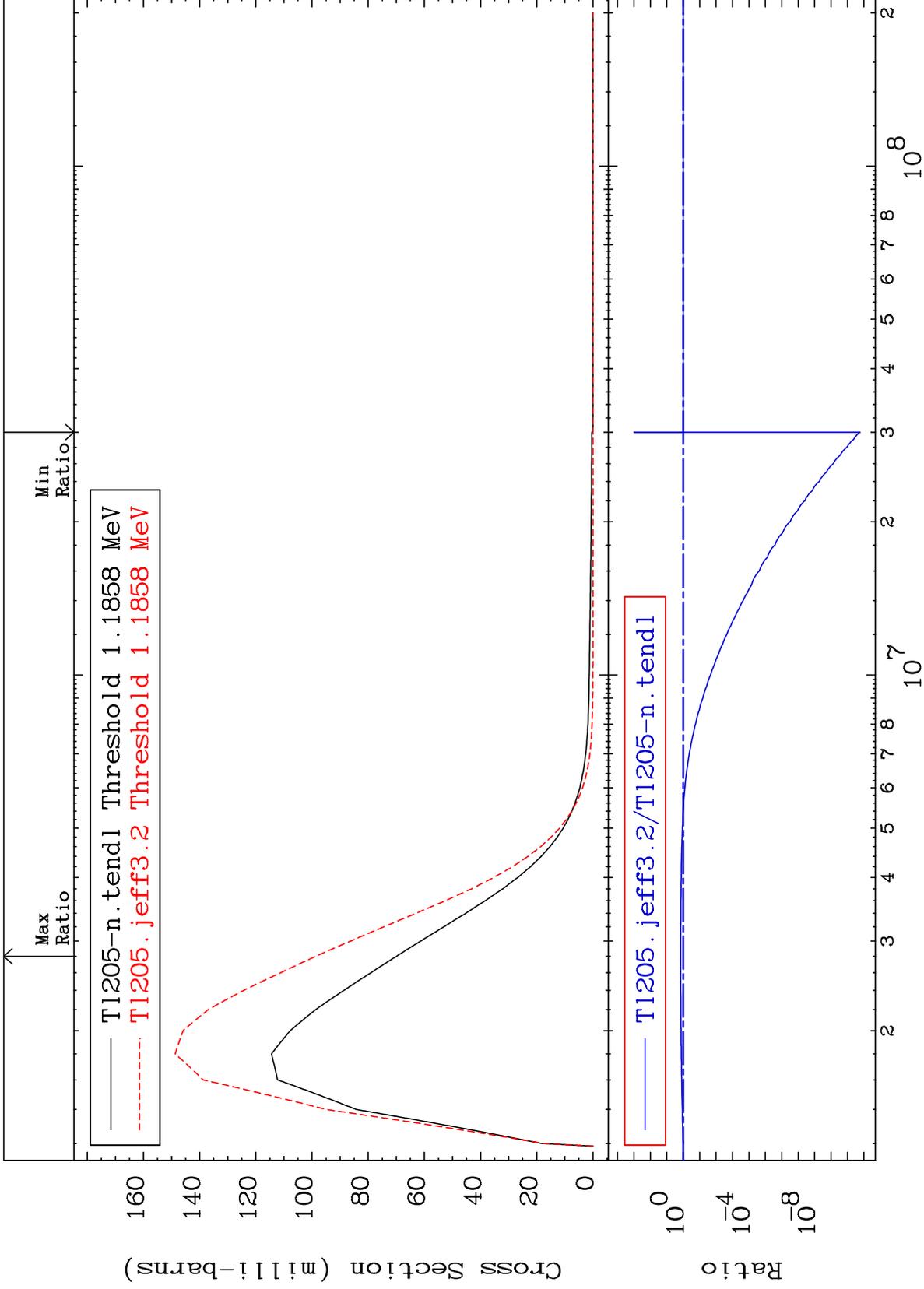


21 81-Tl-205

MAT 8131

1.180 MeV (n,n') Level
Cross Section

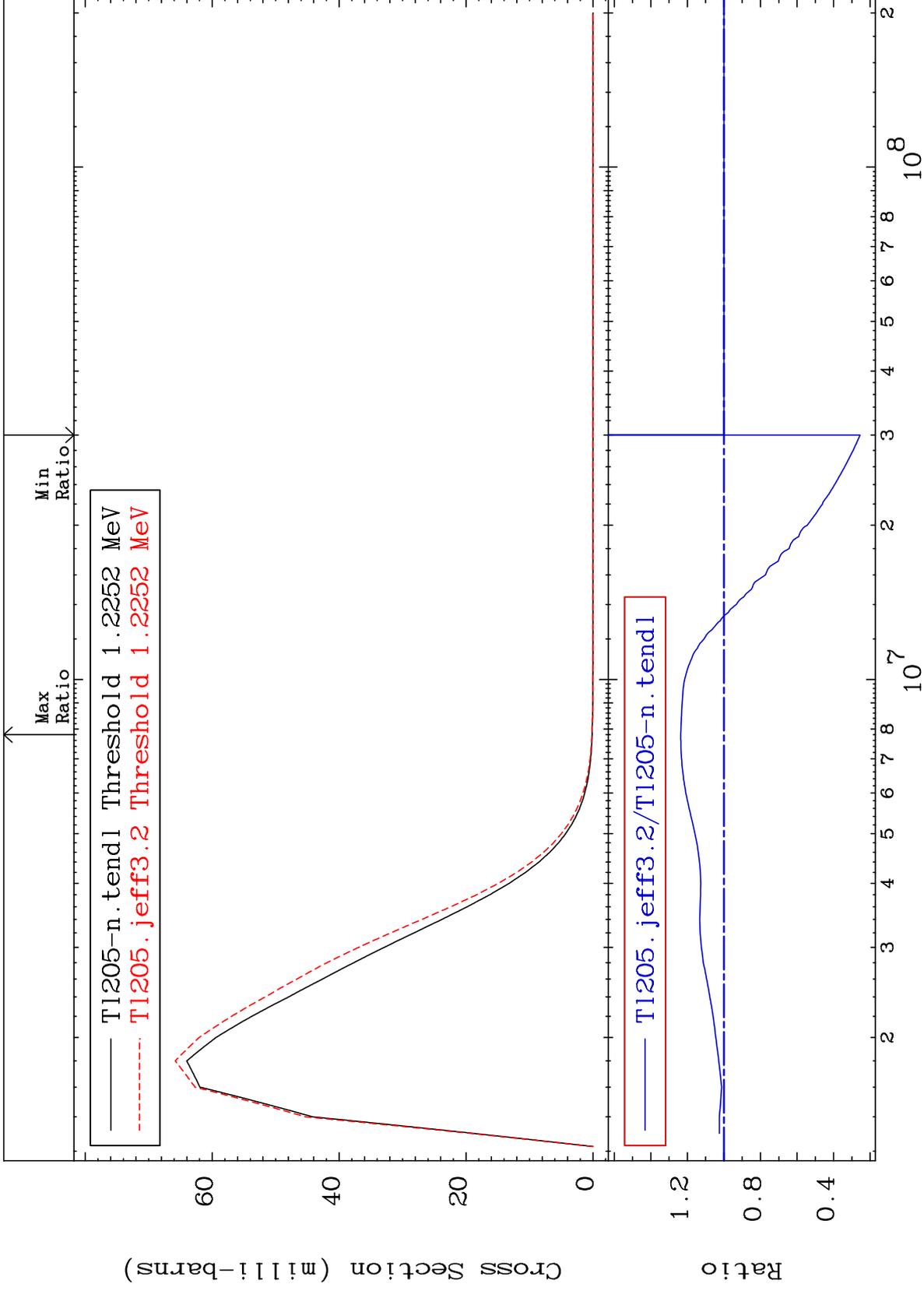
81-Tl-205
-100.0 To 41.04 %



MAT 8131

1.219 MeV (n,n') Level
Cross Section

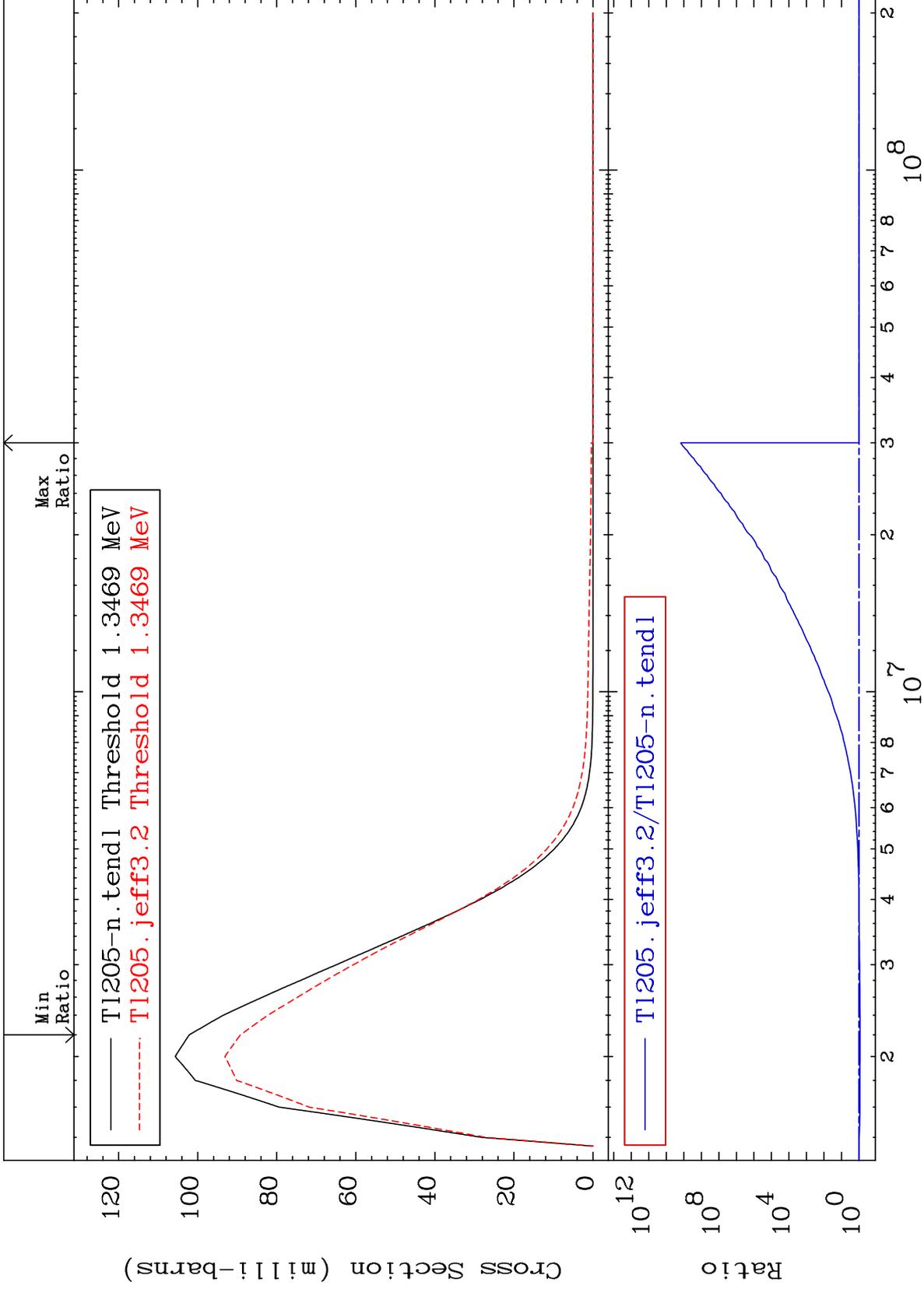
81-Tl-205
-74.48 To 23.61 %



MAT 8131

1.340 MeV (n,n') Level
Cross Section

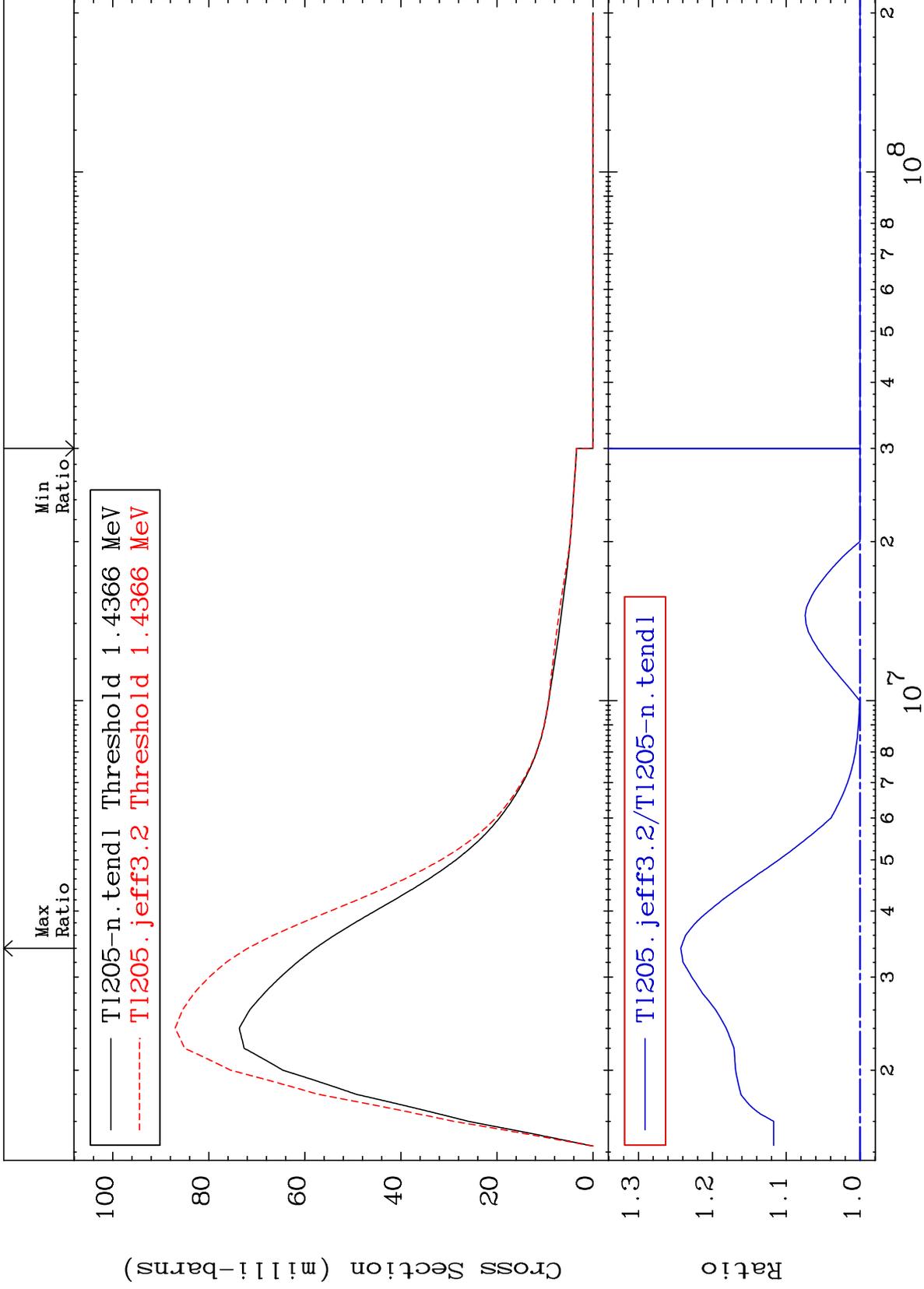
81-Tl-205
-12.67 To 9999. %



MAT 8131

1.430 MeV (n,n') Level
Cross Section

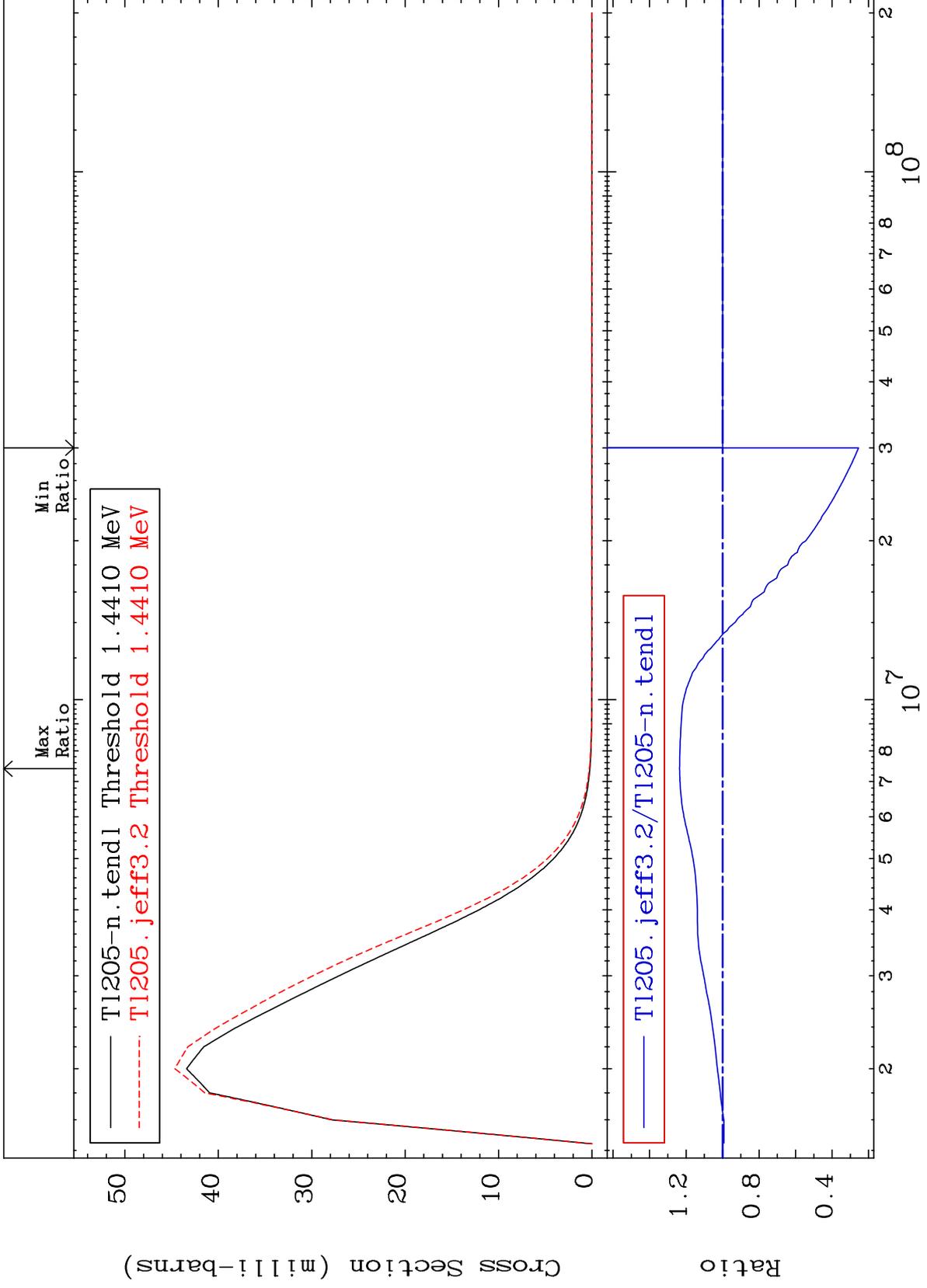
81-Tl-205
0.000 To 24.28 %



MAT 8131

1.434 MeV (n,n') Level
Cross Section

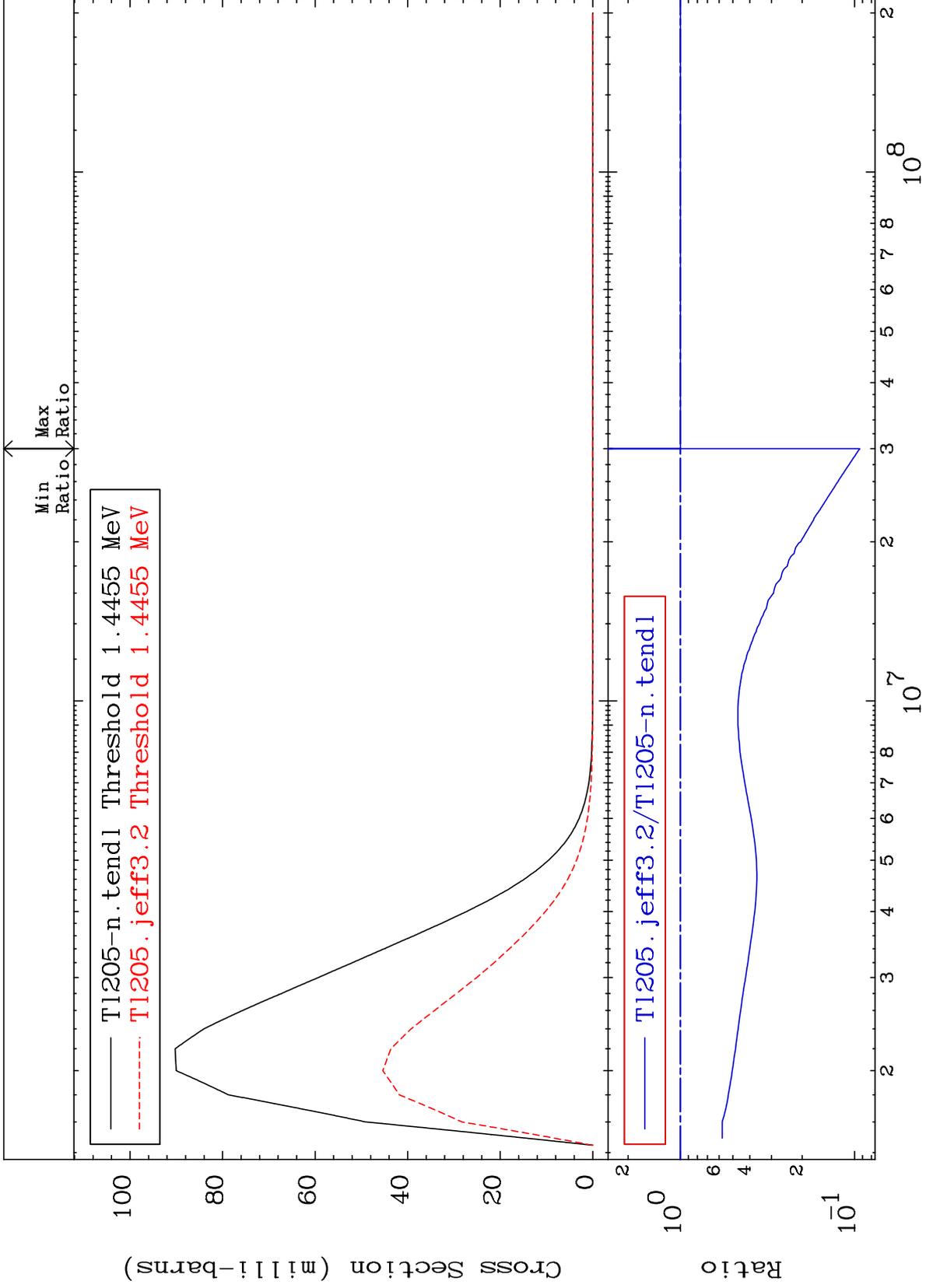
81-Tl-205
-74.48 To 23.58 %



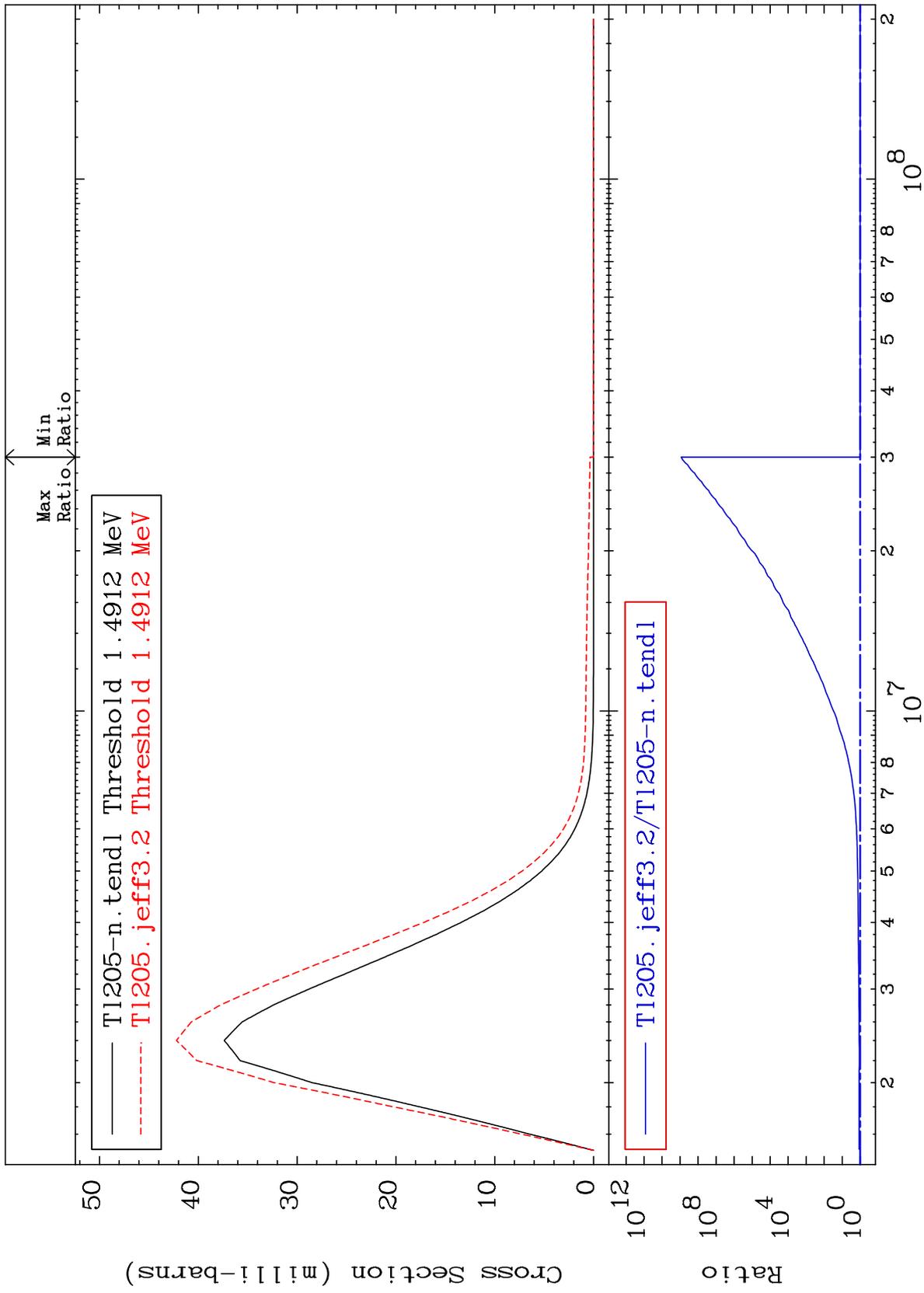
MAT 8131

1.438 MeV (n,n') Level
Cross Section

81-Tl-205
-90.66 To 0.000 %



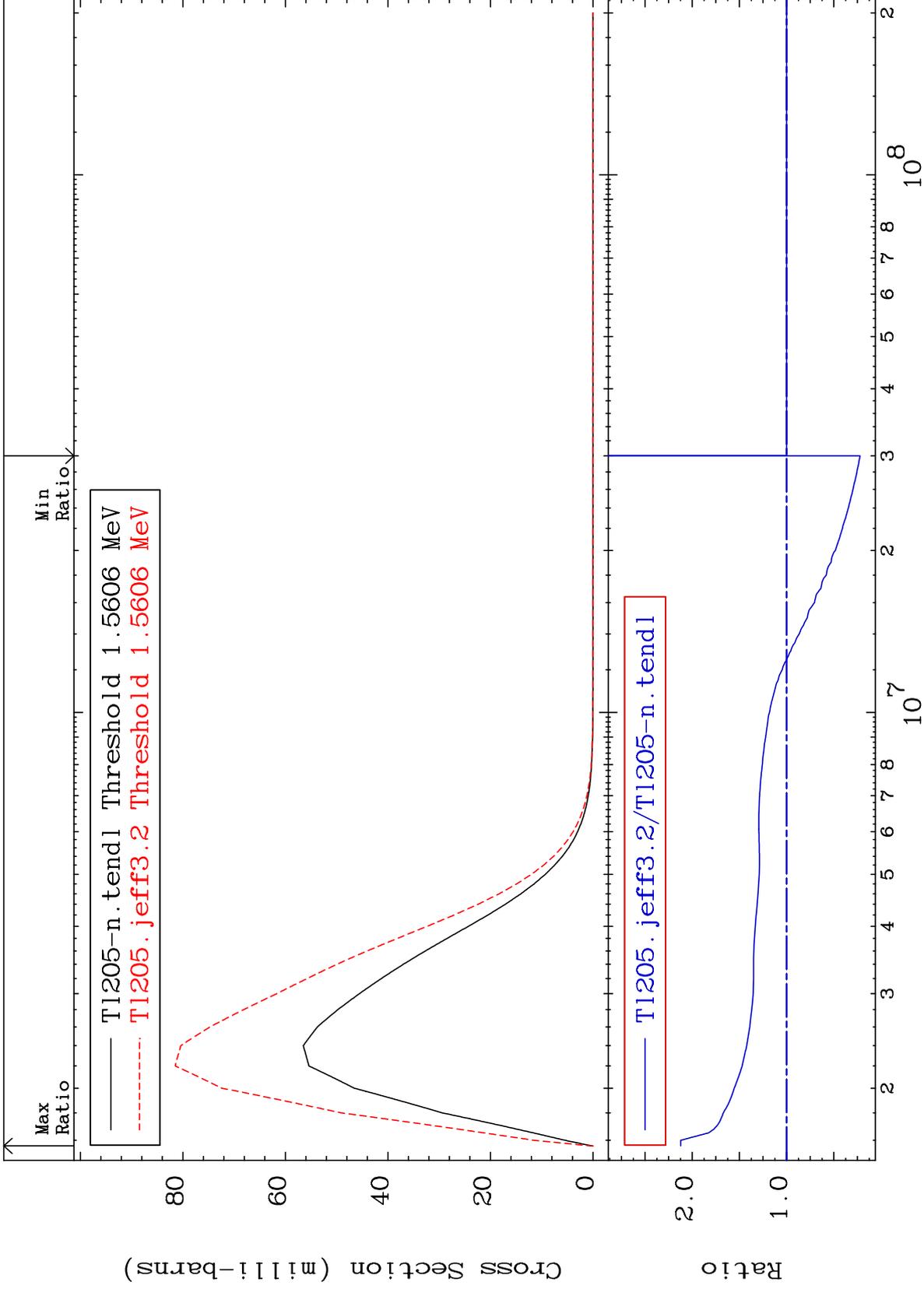
MAT 8131 1.484 MeV (n,n') Level 81-Tl-205
 Cross Section 0.000 To 9999. %



MAT 8131

1.553 MeV (n,n') Level
Cross Section

81-Tl-205
-77.87 To 112.1 %



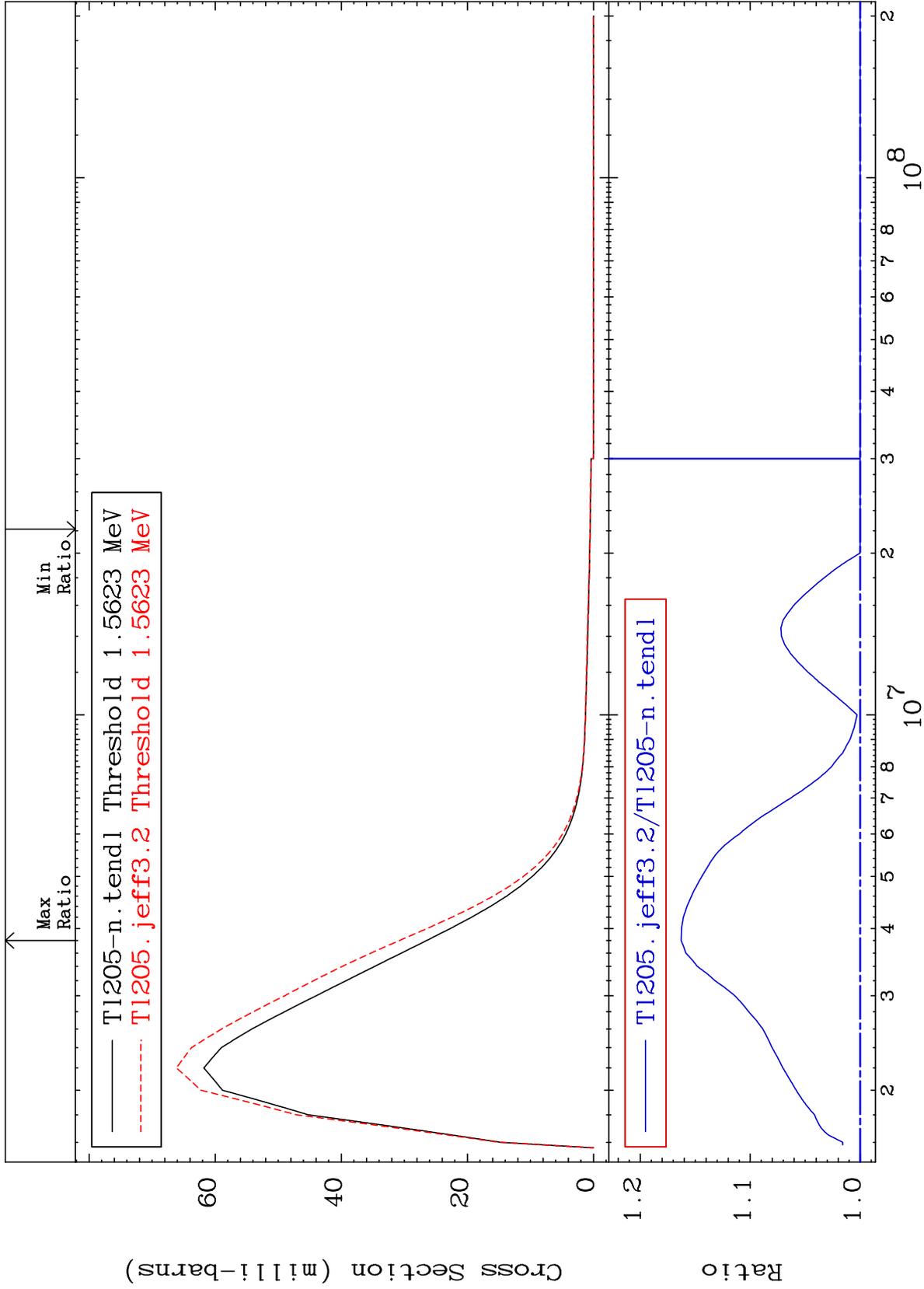
MAT 8131

1.555 MeV (n,n') Level

81-Tl-205

0.000 To 16.28 %

Cross Section



30

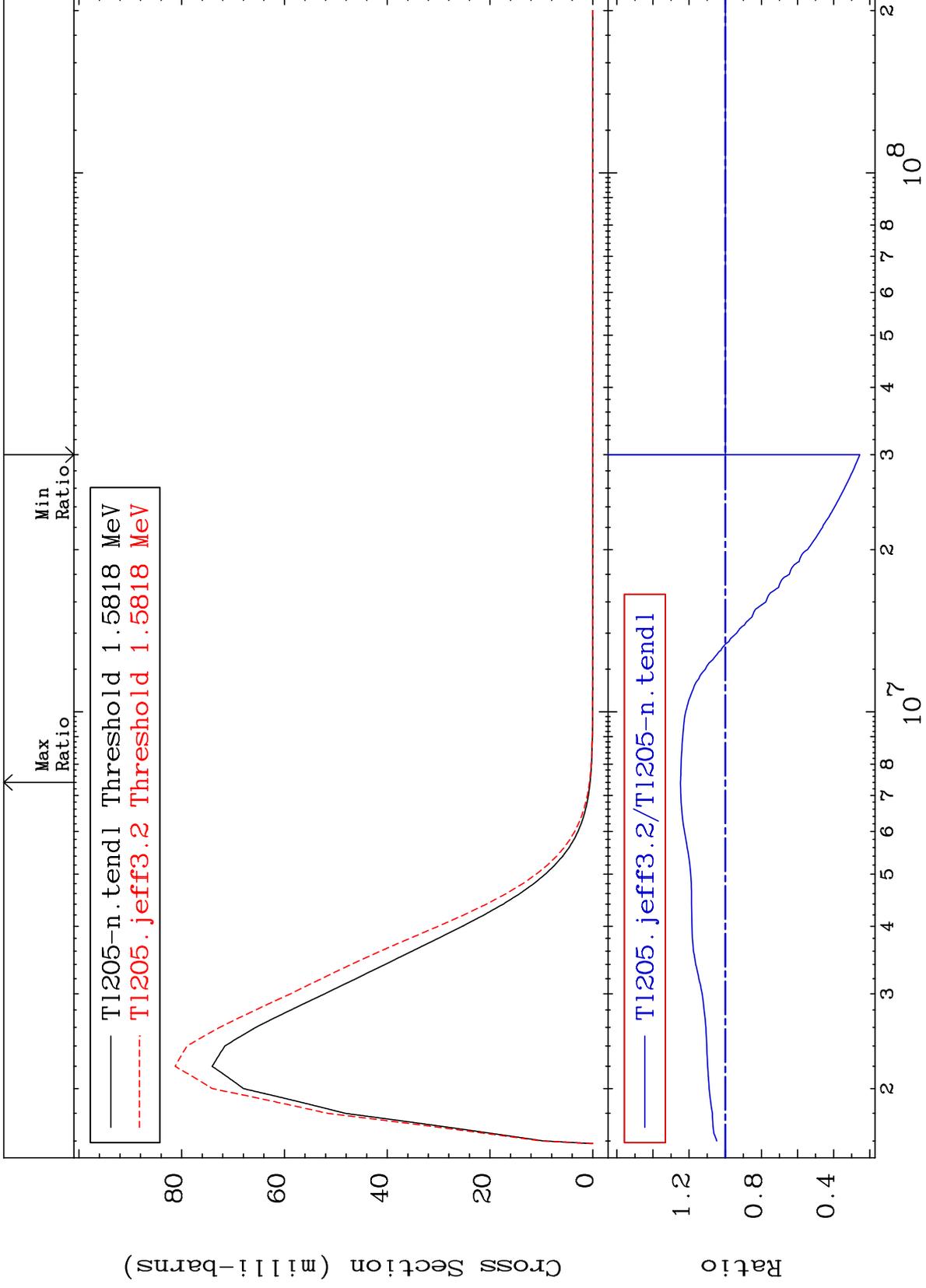
Incident Energy (eV)

81-Tl-205

MAT 8131

1.574 MeV (n,n') Level
Cross Section

81-Tl-205
-74.46 To 24.77 %



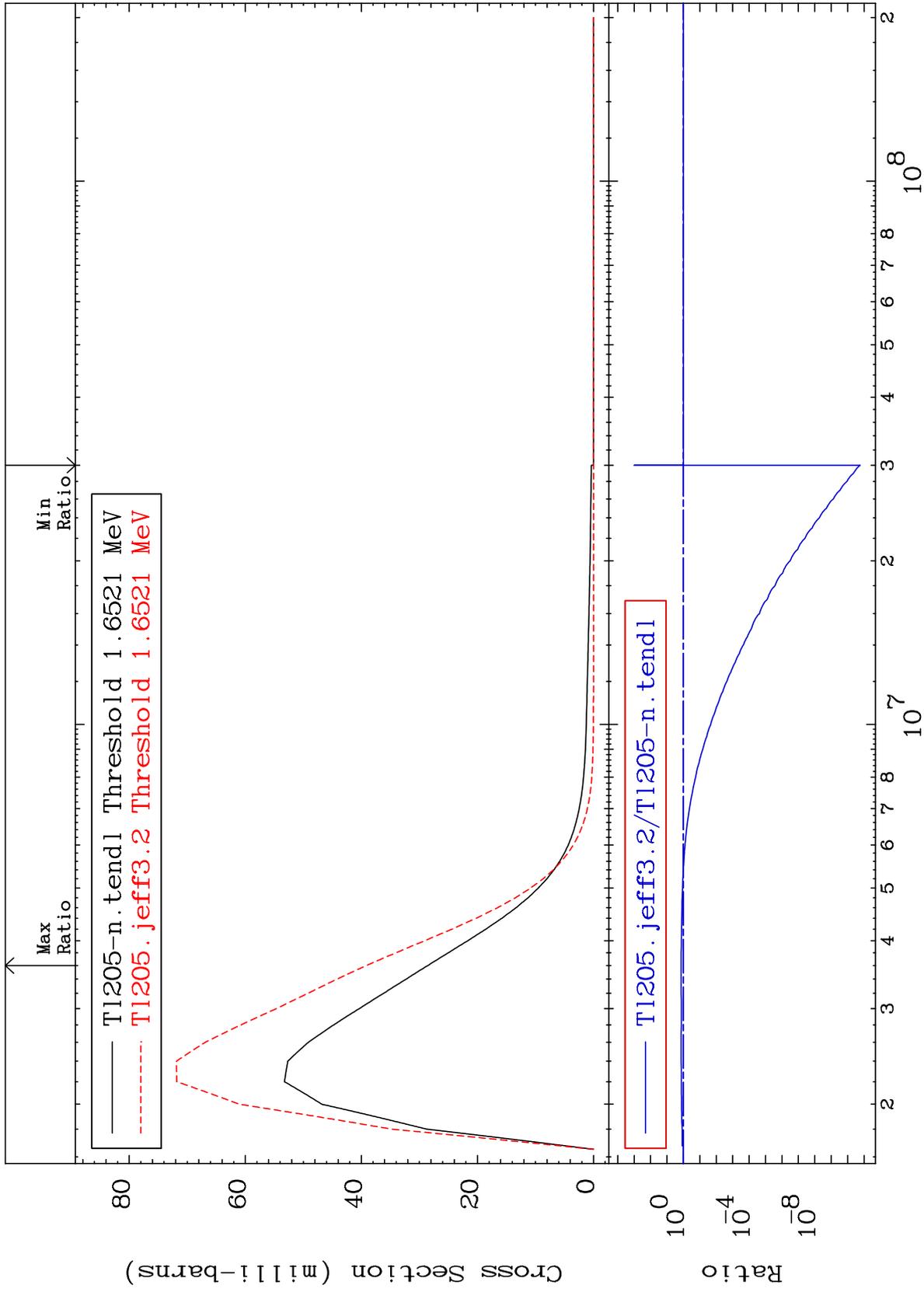
MAT 8131

1.644 MeV (n,n') Level

81-Tl-205

-100.0 To 37.02 %

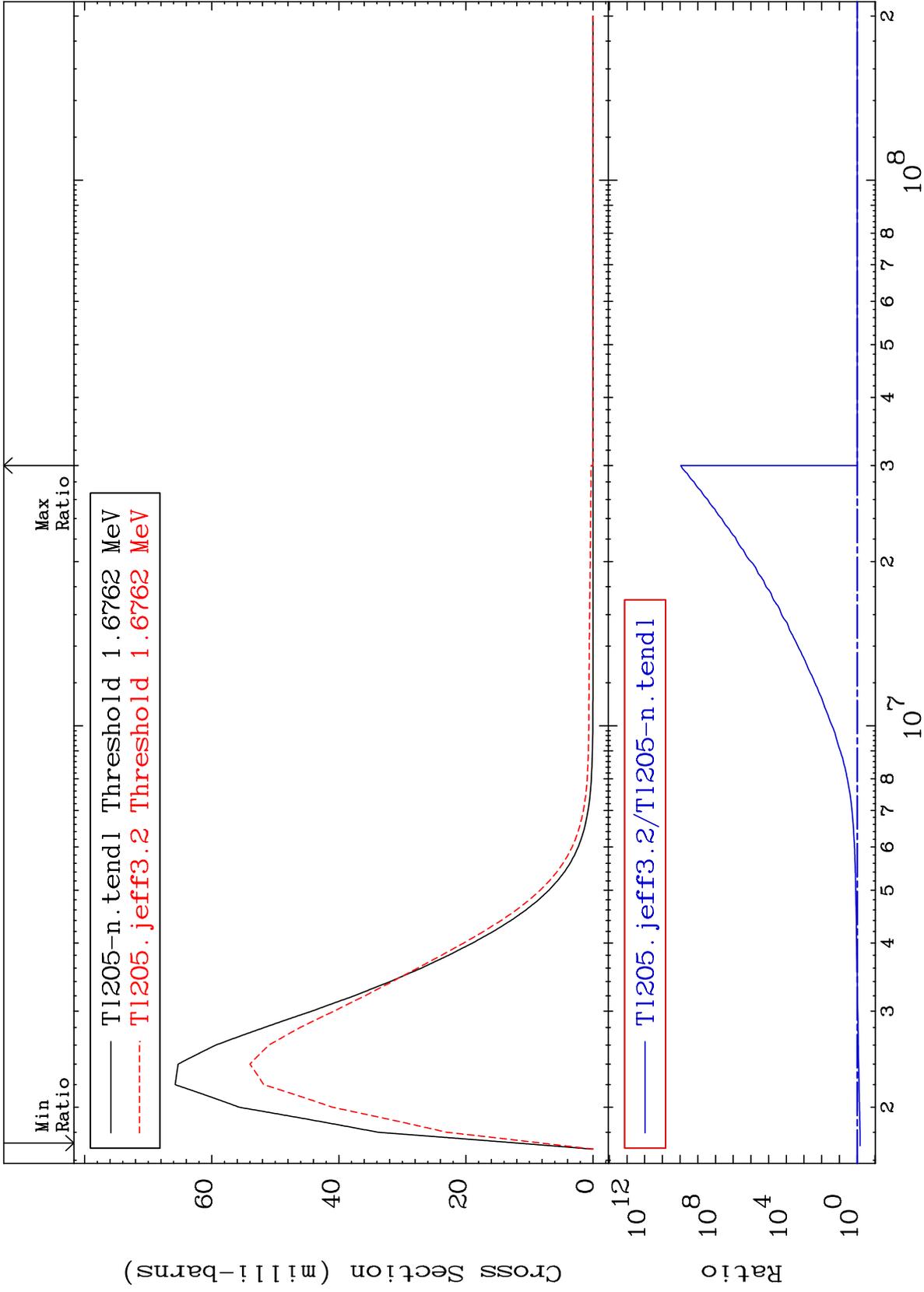
Cross Section



32

Incident Energy (eV)

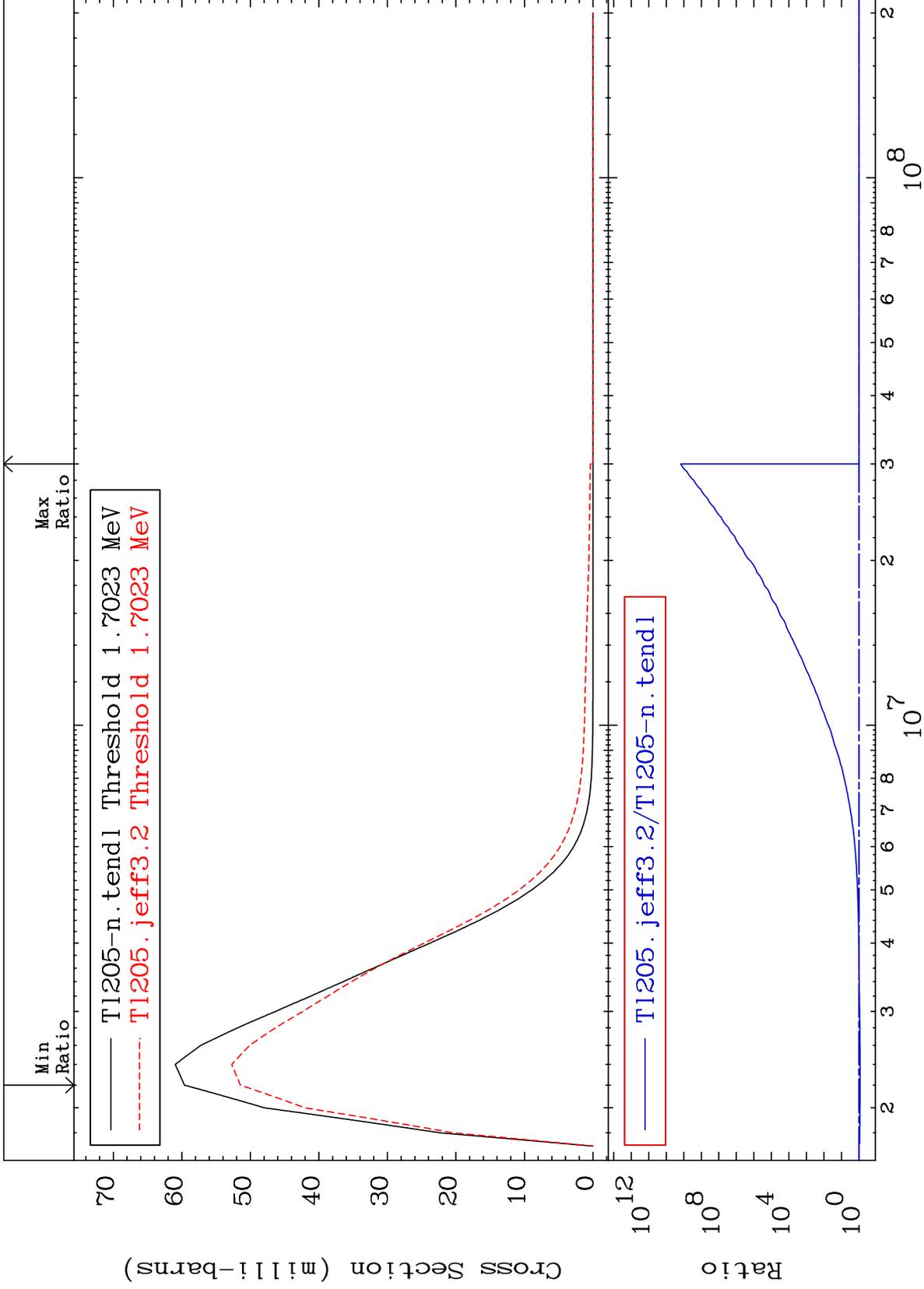
81-Tl-205



MAT 8131

1.694 MeV (n,n') Level
Cross Section

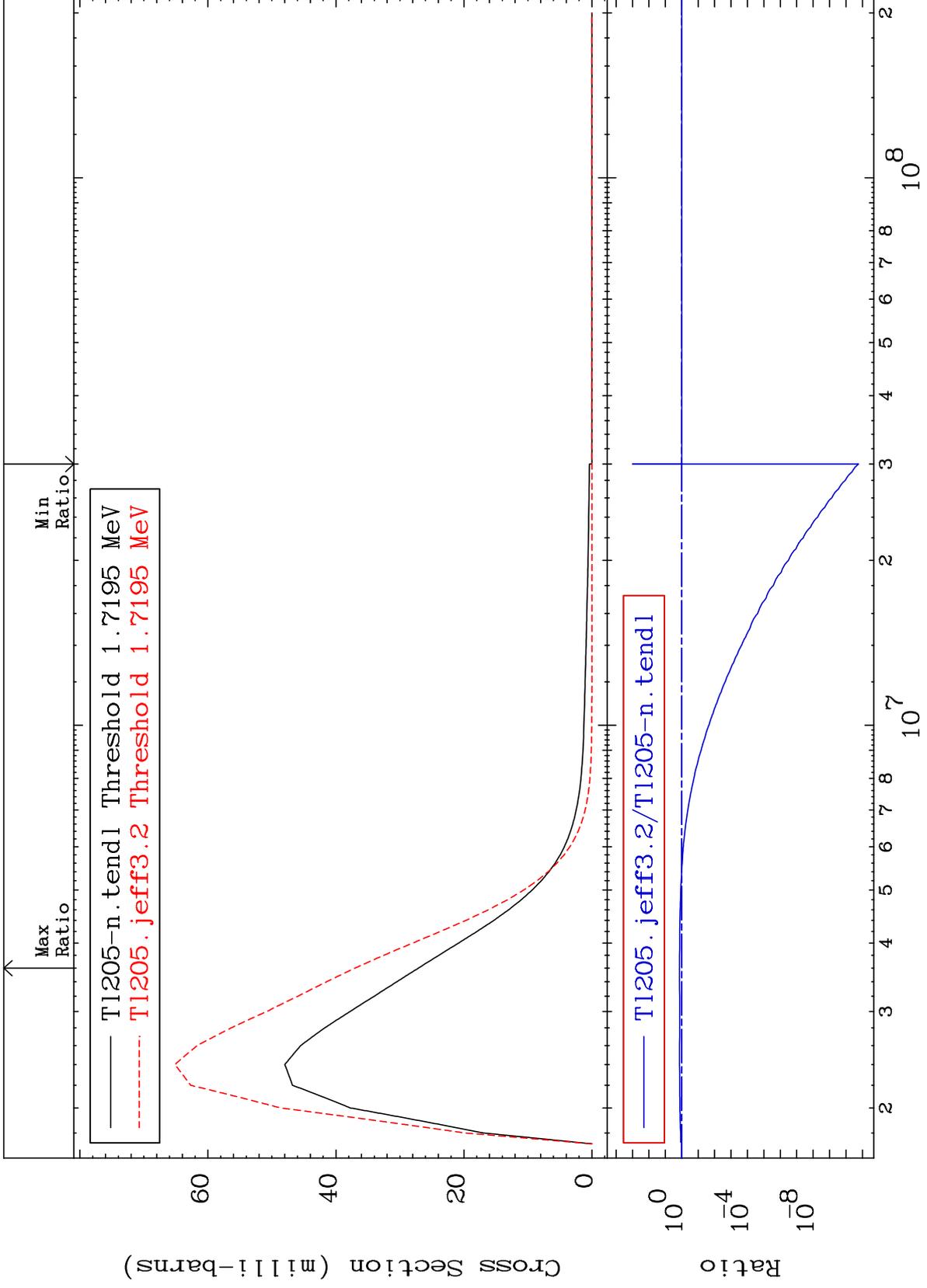
81-Tl-205
-13.70 To 9999. %



MAT 8131

1.711 MeV (n,n') Level
Cross Section

81-Tl-205
-100.0 To 36.55 %

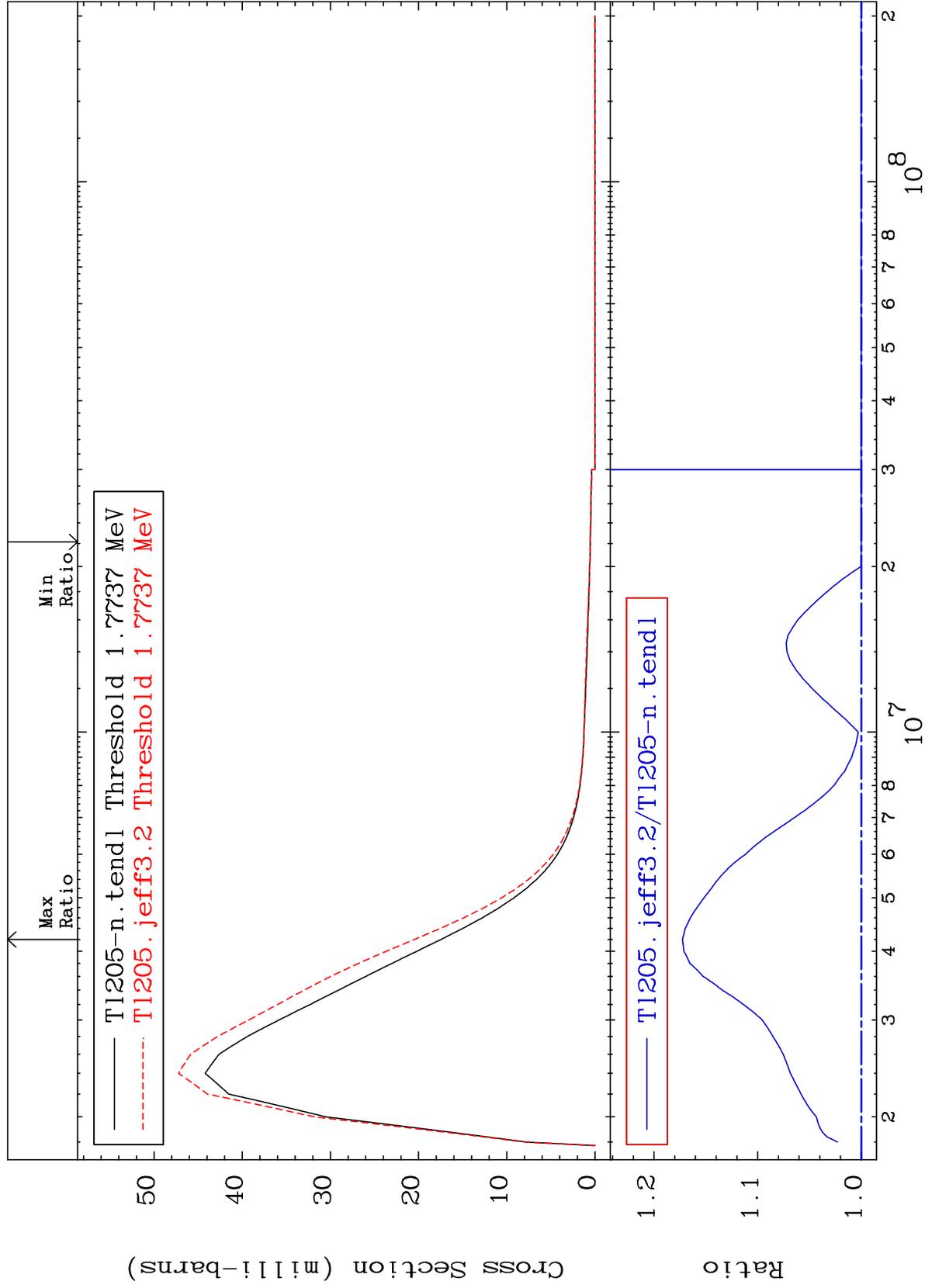


MAT 8131

1.765 MeV (n,n') Level

81-Tl-205

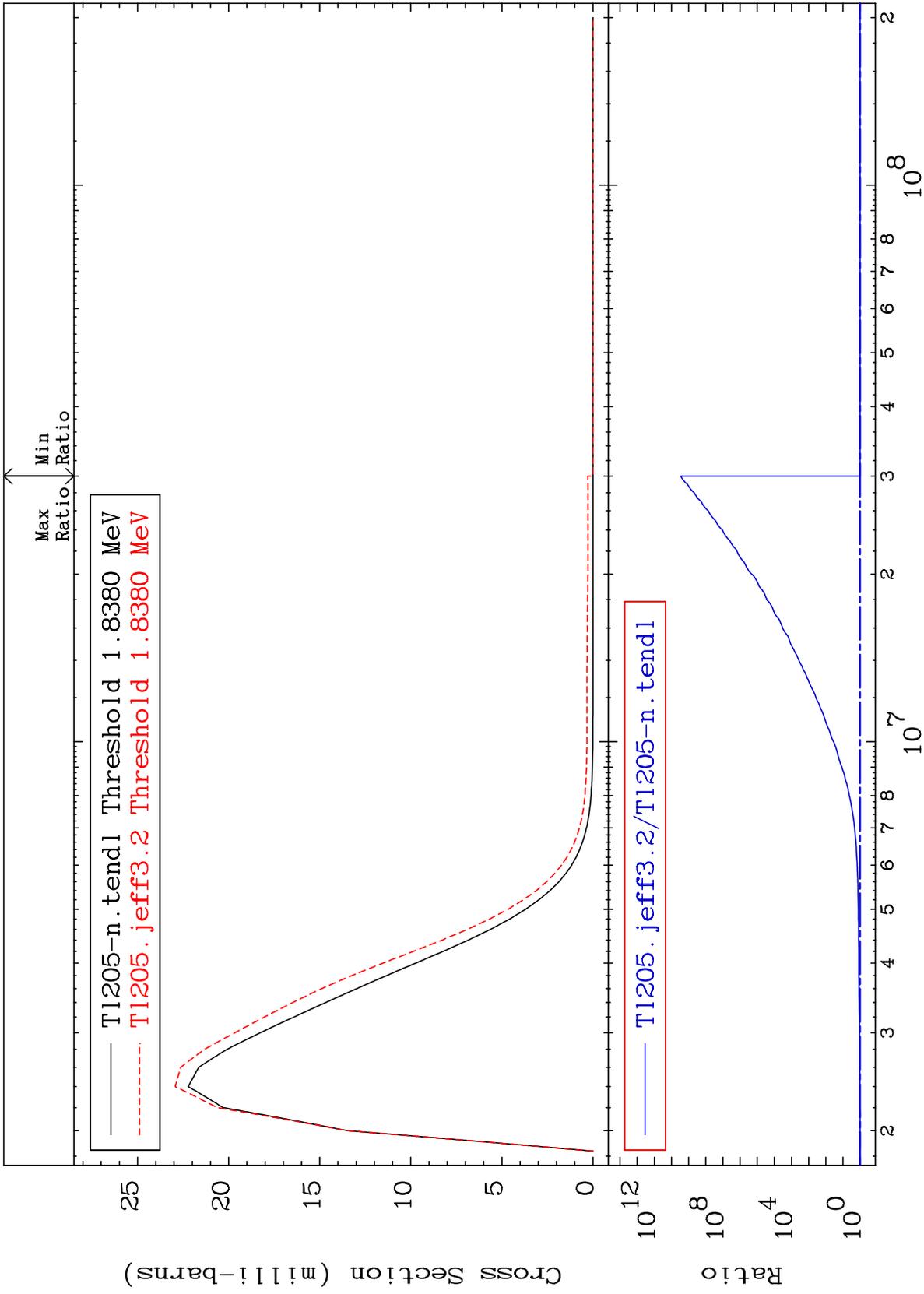
0.000 To 17.25 %



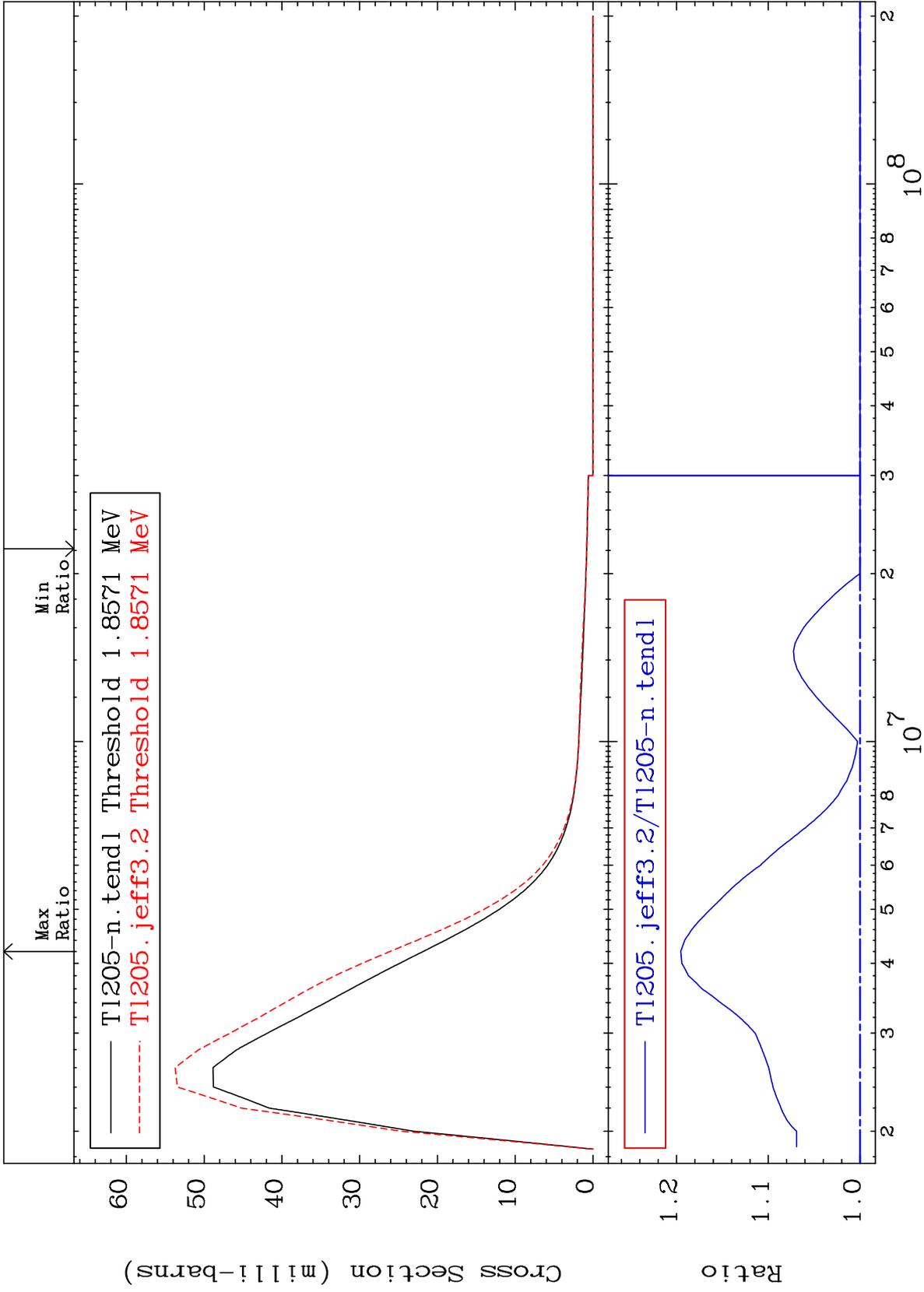
MAT 8131

1.829 MeV (n,n') Level
Cross Section

81-Tl-205
To 9999. %



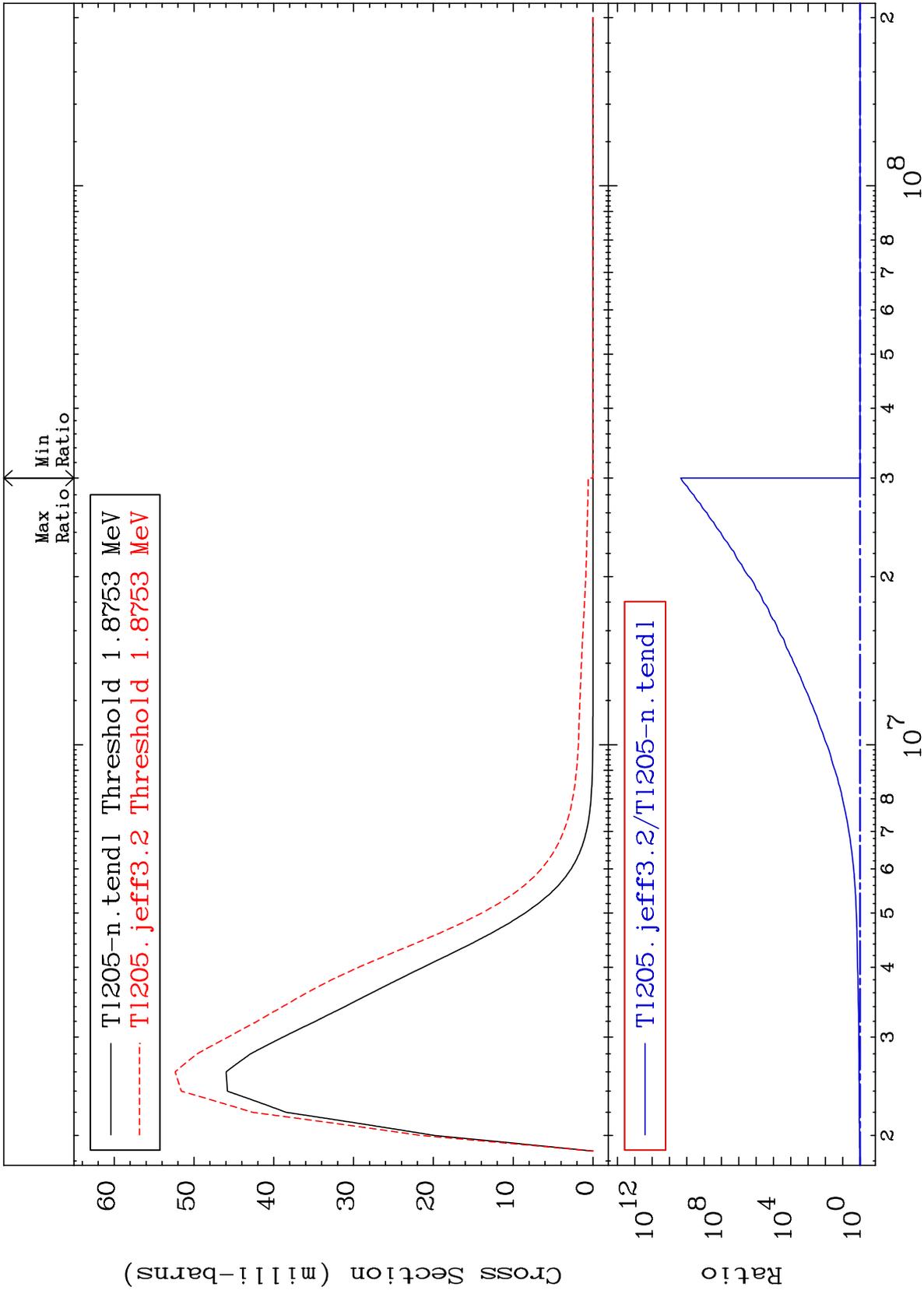
MAT 8131 1.848 MeV (n,n') Level 81-Tl-205
 Cross Section 0.000 To 19.54 %



MAT 8131

1.866 MeV (n,n') Level
Cross Section

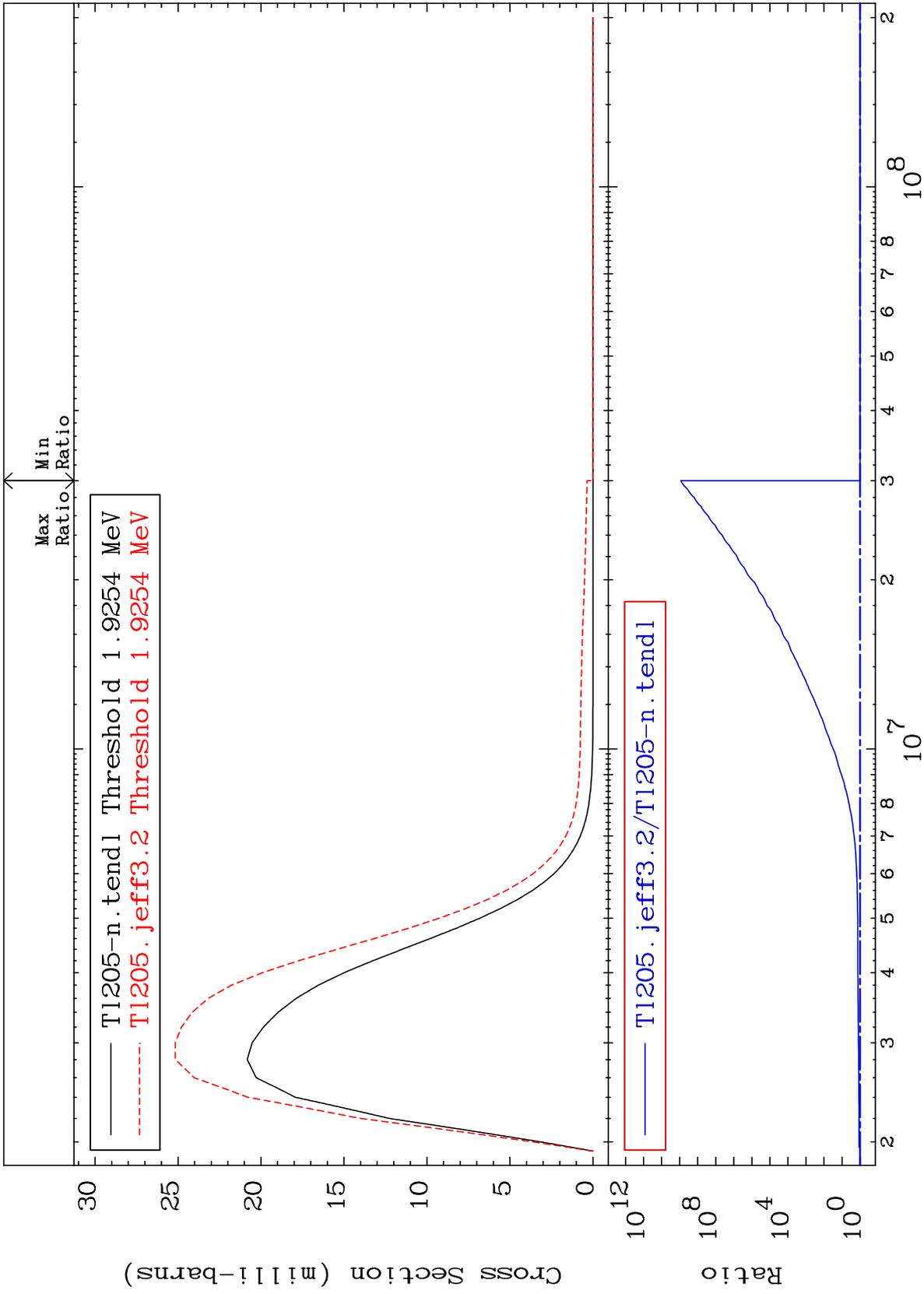
81-Tl-205
0.000 To 9999. %



MAT 8131

1.916 MeV (n,n') Level
Cross Section

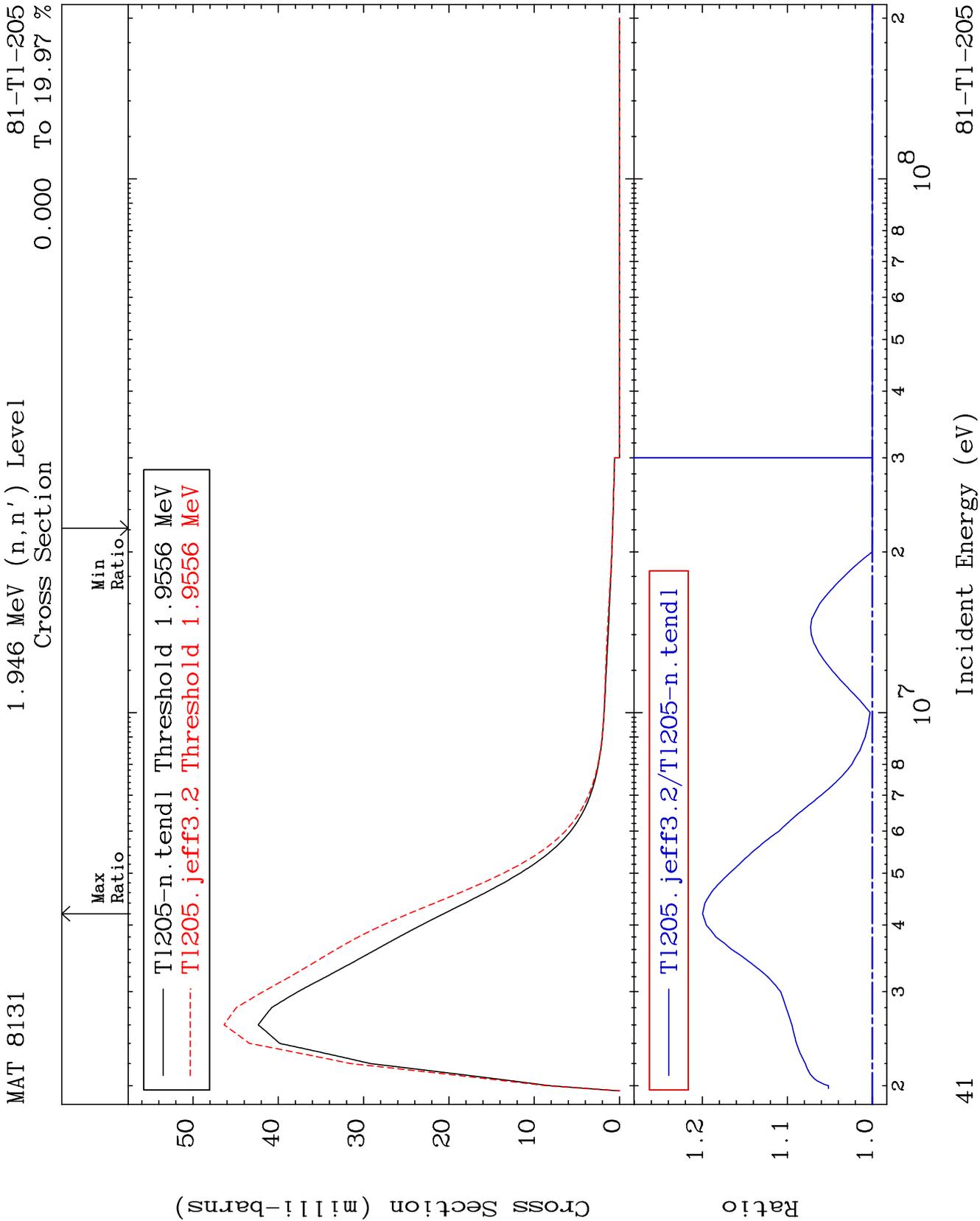
81-Tl-205
To 9999. %



40

Incident Energy (eV)

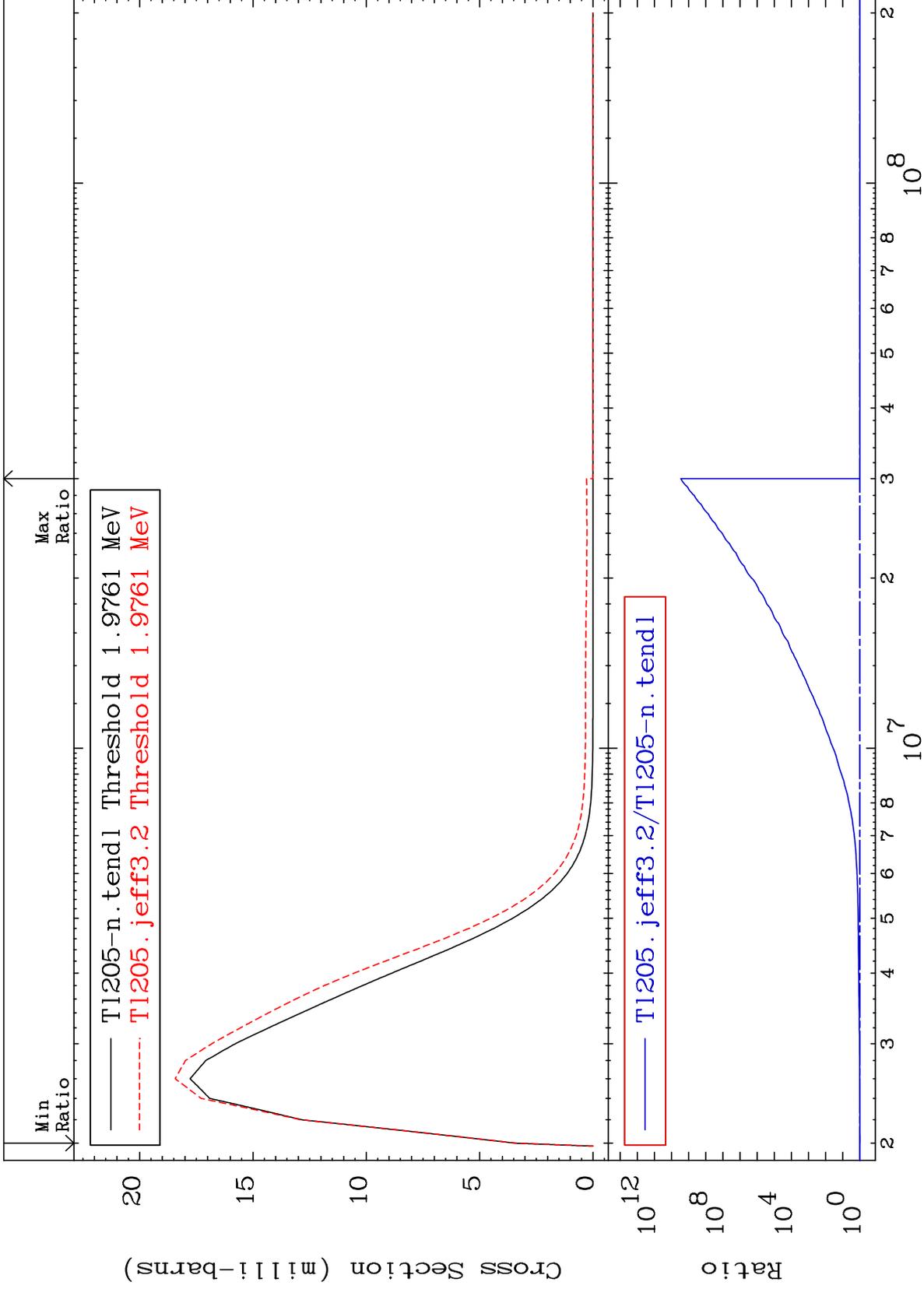
81-Tl-205



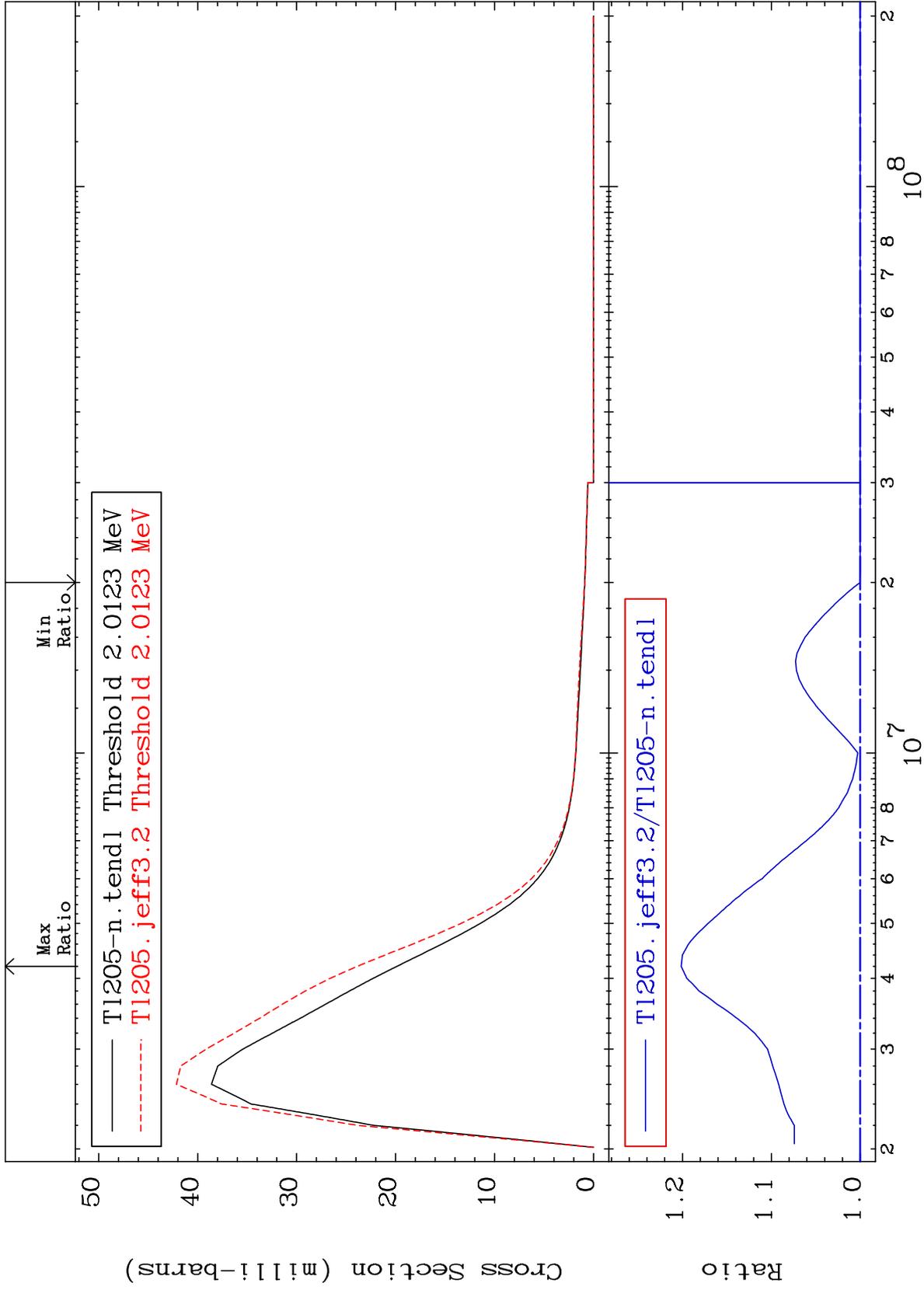
MAT 8131

1.966 MeV (n,n') Level
Cross Section

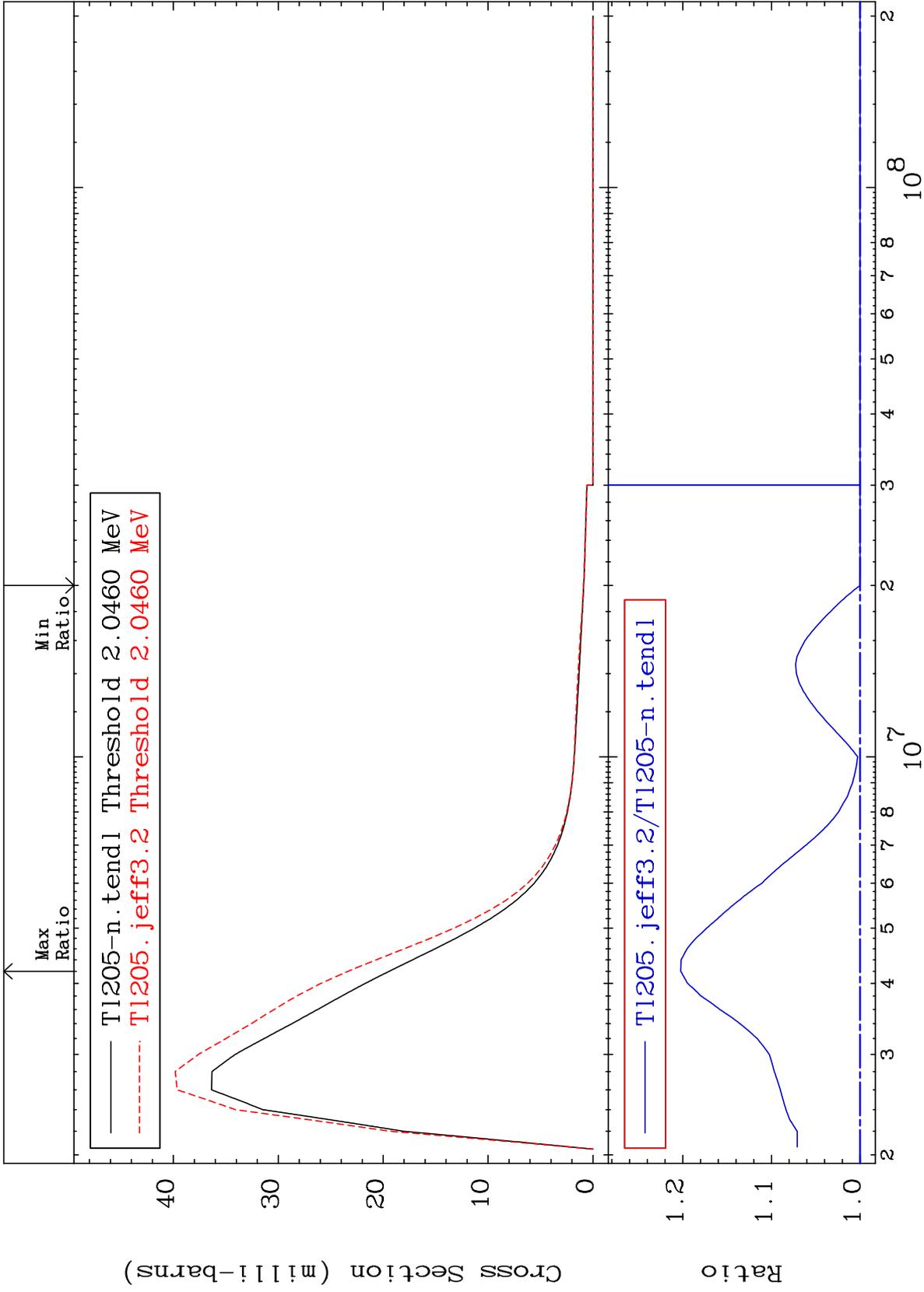
81-Tl-205
-1.657 To 9999. %



MAT 8131 2.002 MeV (n,n') Level 81-Tl-205
 Cross Section 0.000 To 20.15 %



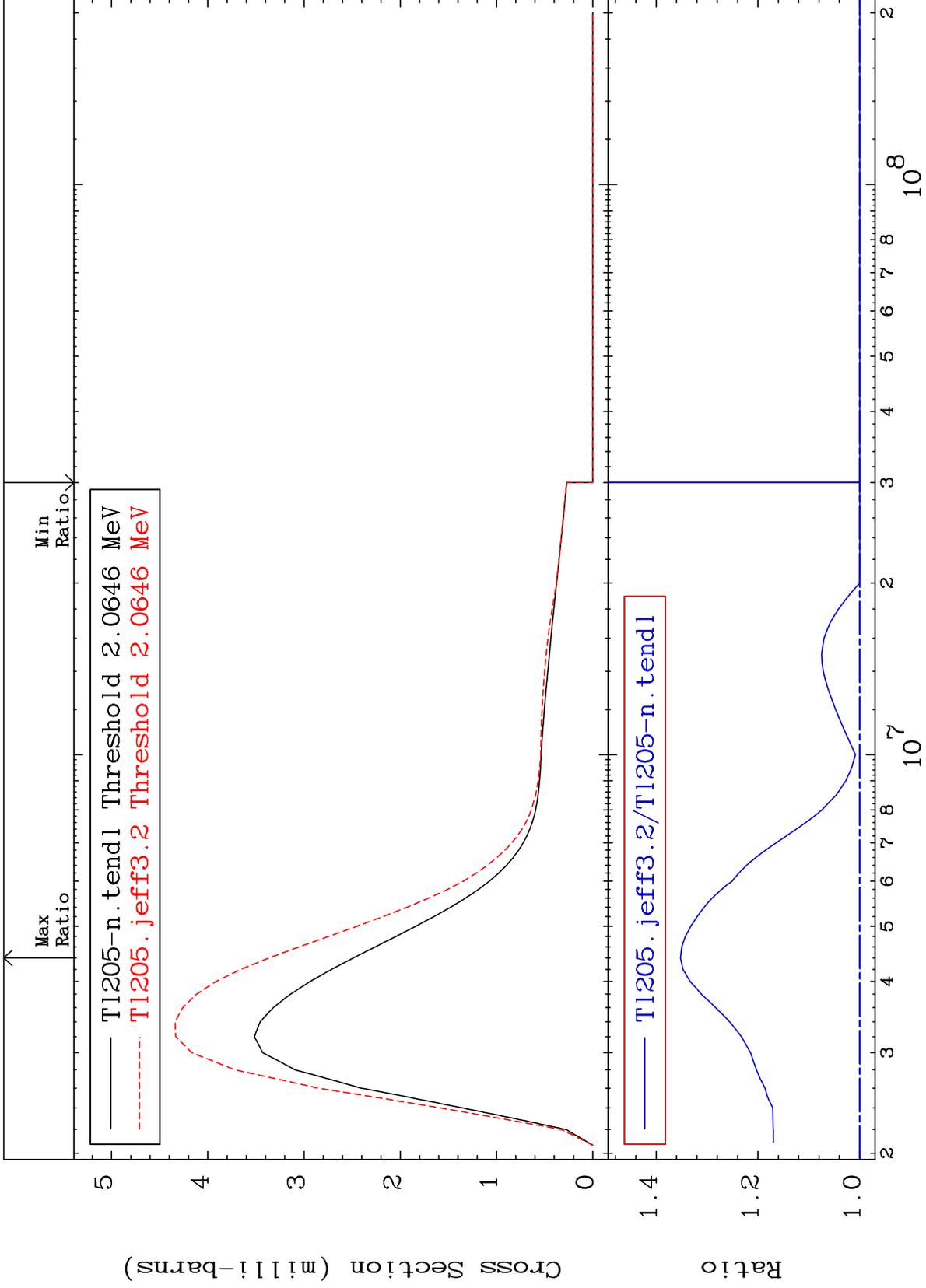
MAT 8131 2.036 MeV (n,n') Level 81-Tl-205
 Cross Section 0.000 To 20.23 %



MAT 8131

2.054 MeV (n,n') Level
Cross Section

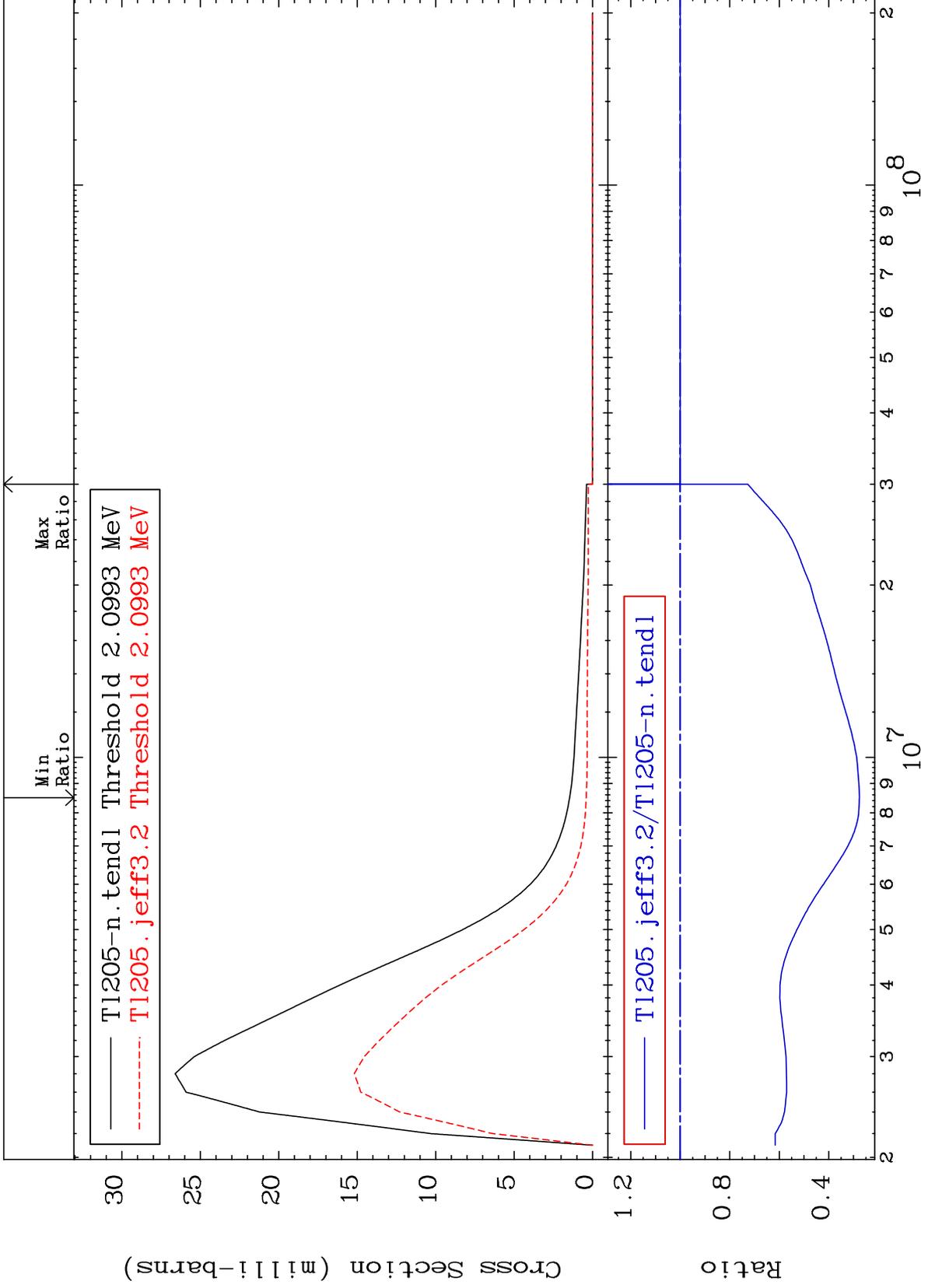
81-Tl-205
0.000 To 35.22 %



MAT 8131

2.089 MeV (n,n') Level
Cross Section

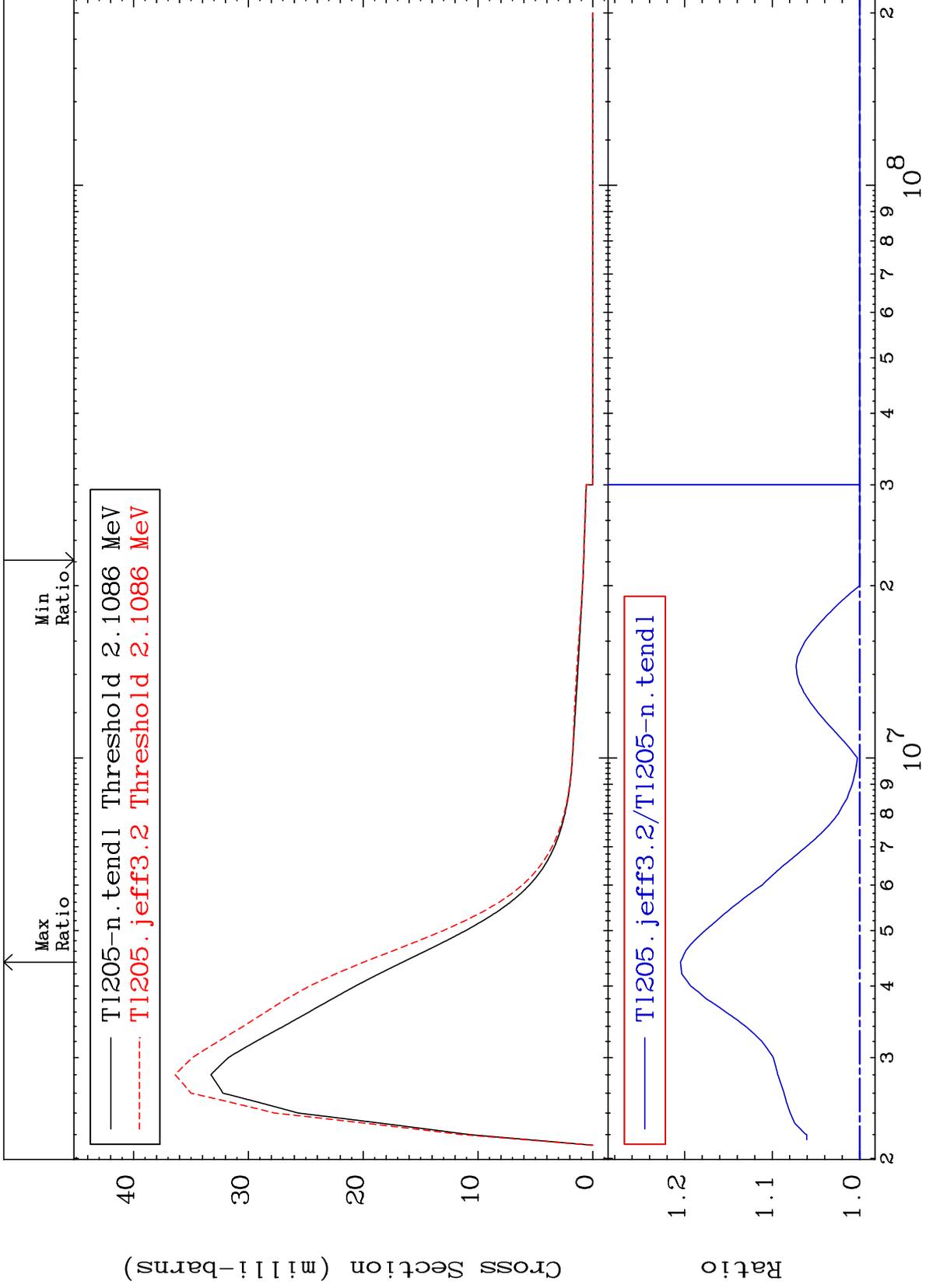
81-Tl-205
-72.42 To 0.000 %

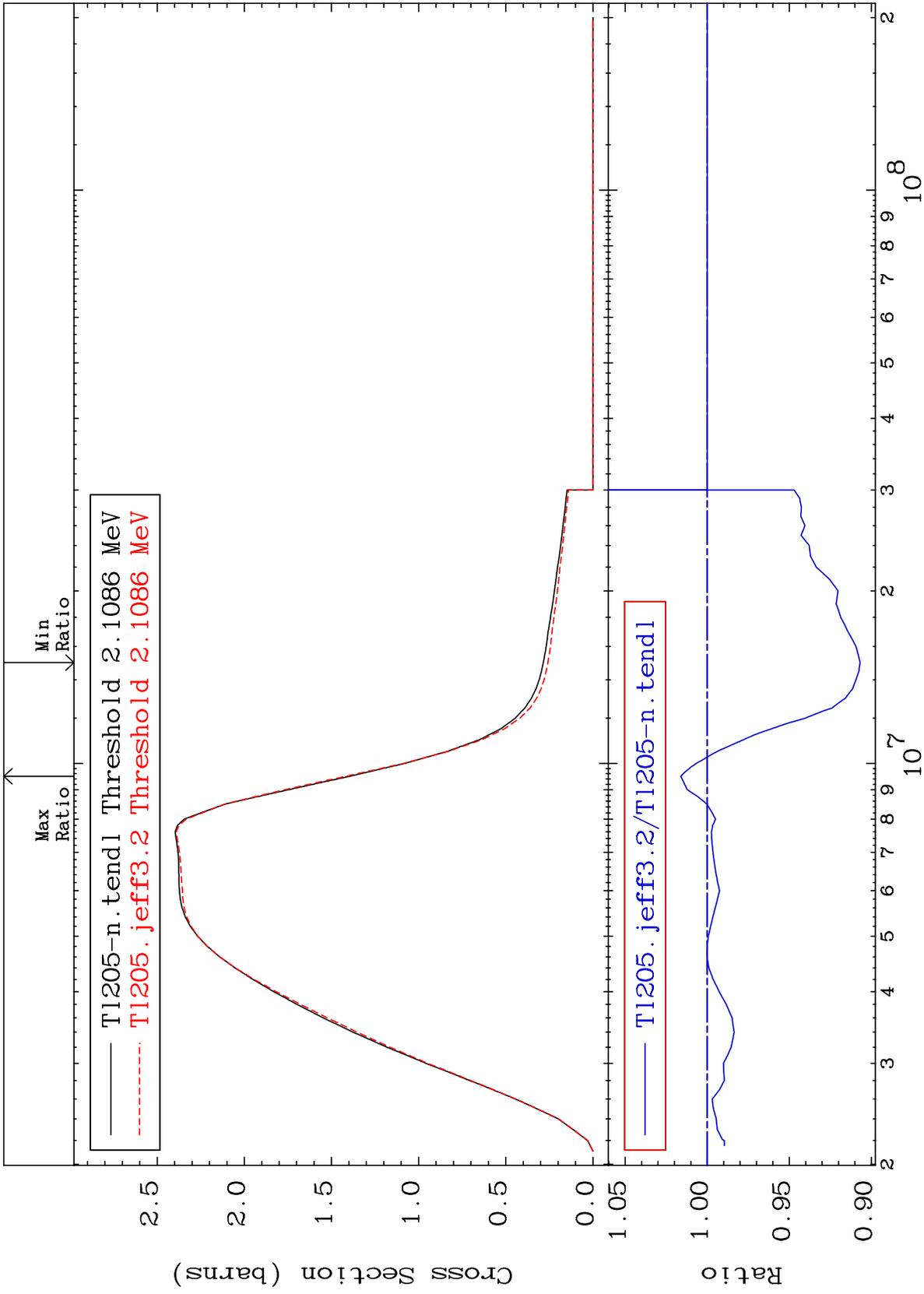


MAT 8131

2.098 MeV (n,n') Level
Cross Section

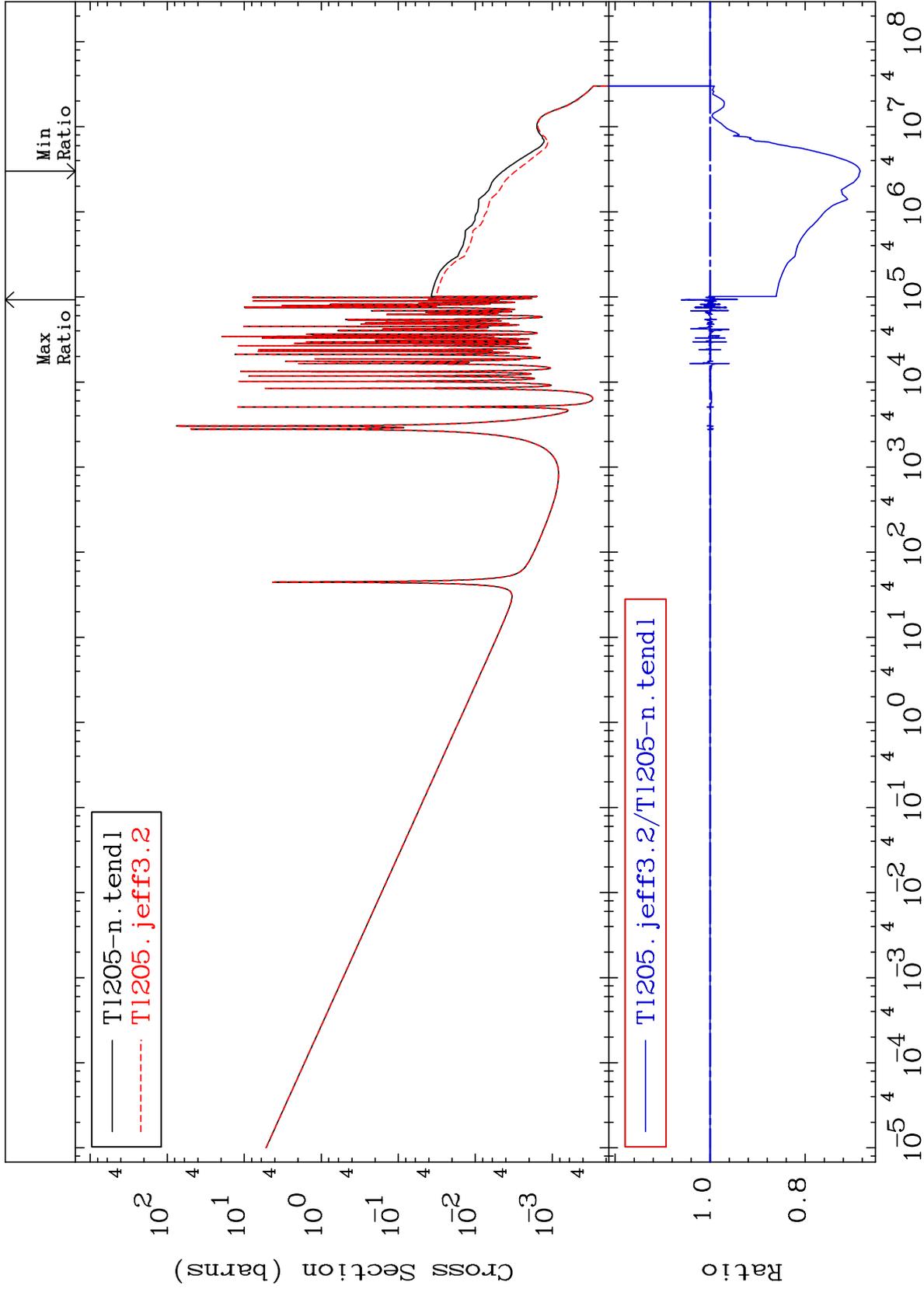
81-Tl-205
0.000 To 20.47 %





Cross Section

-31.56 To 6.104 %



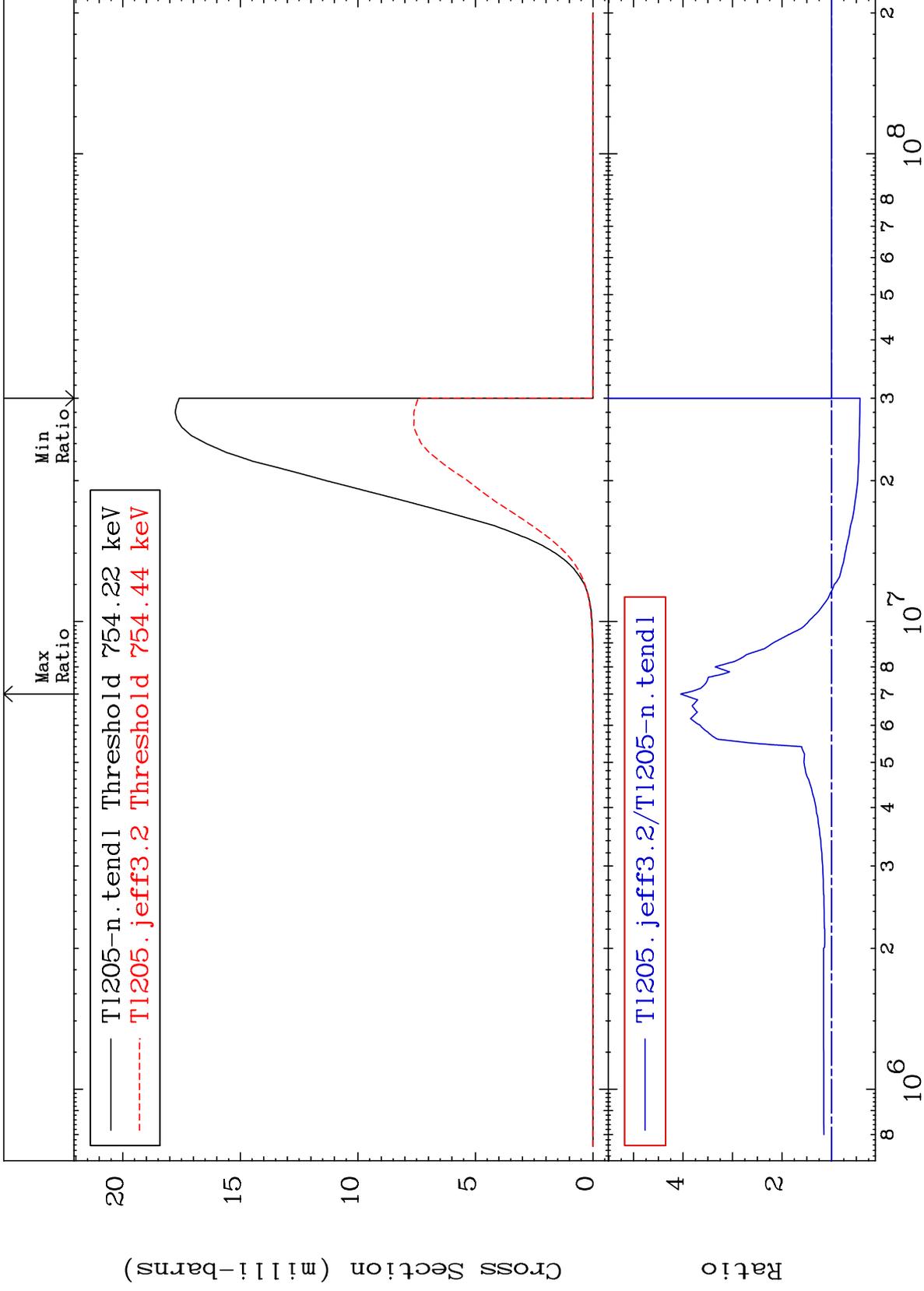
MAT 8131

(n,p)

81-Tl-205

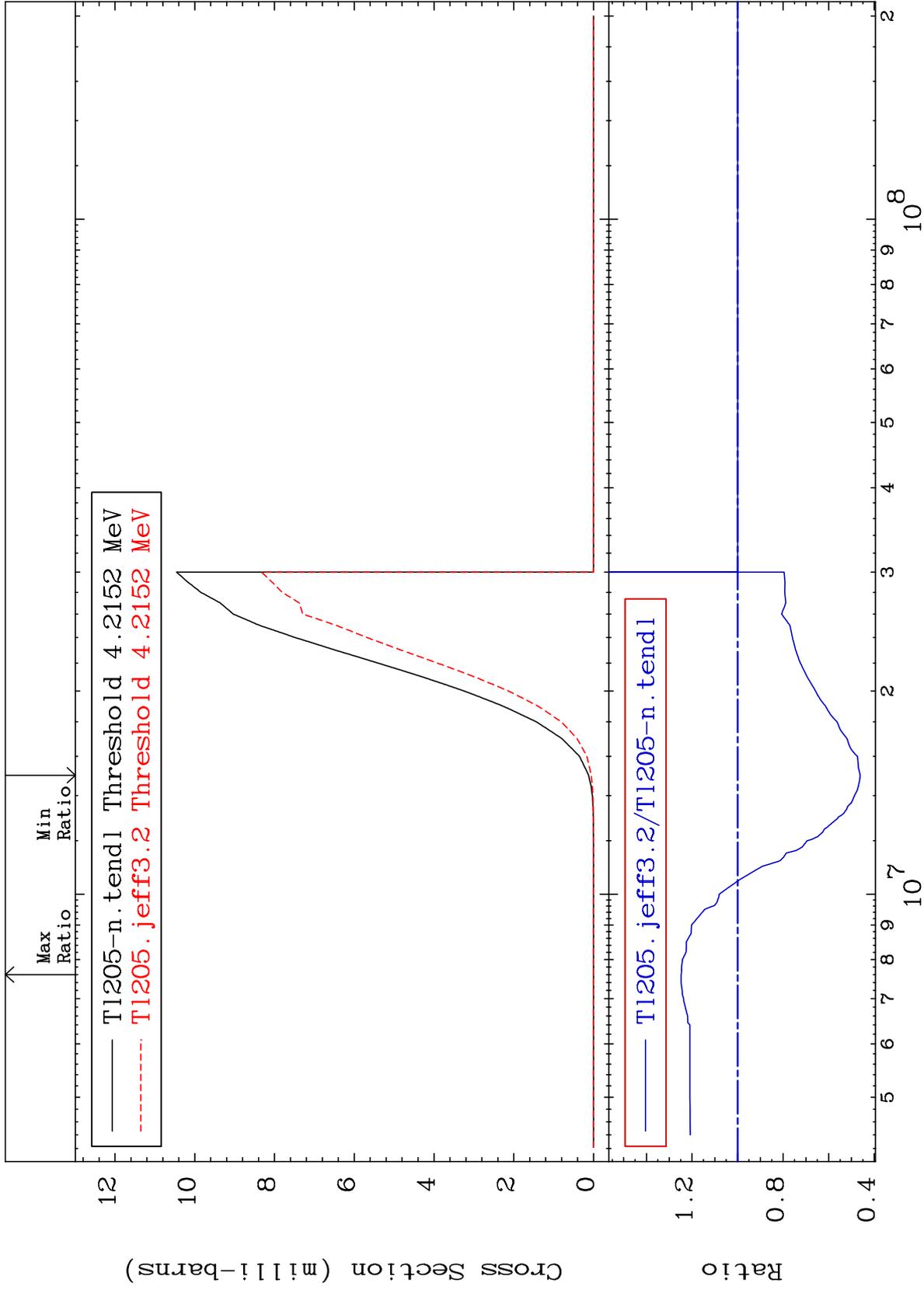
Cross Section

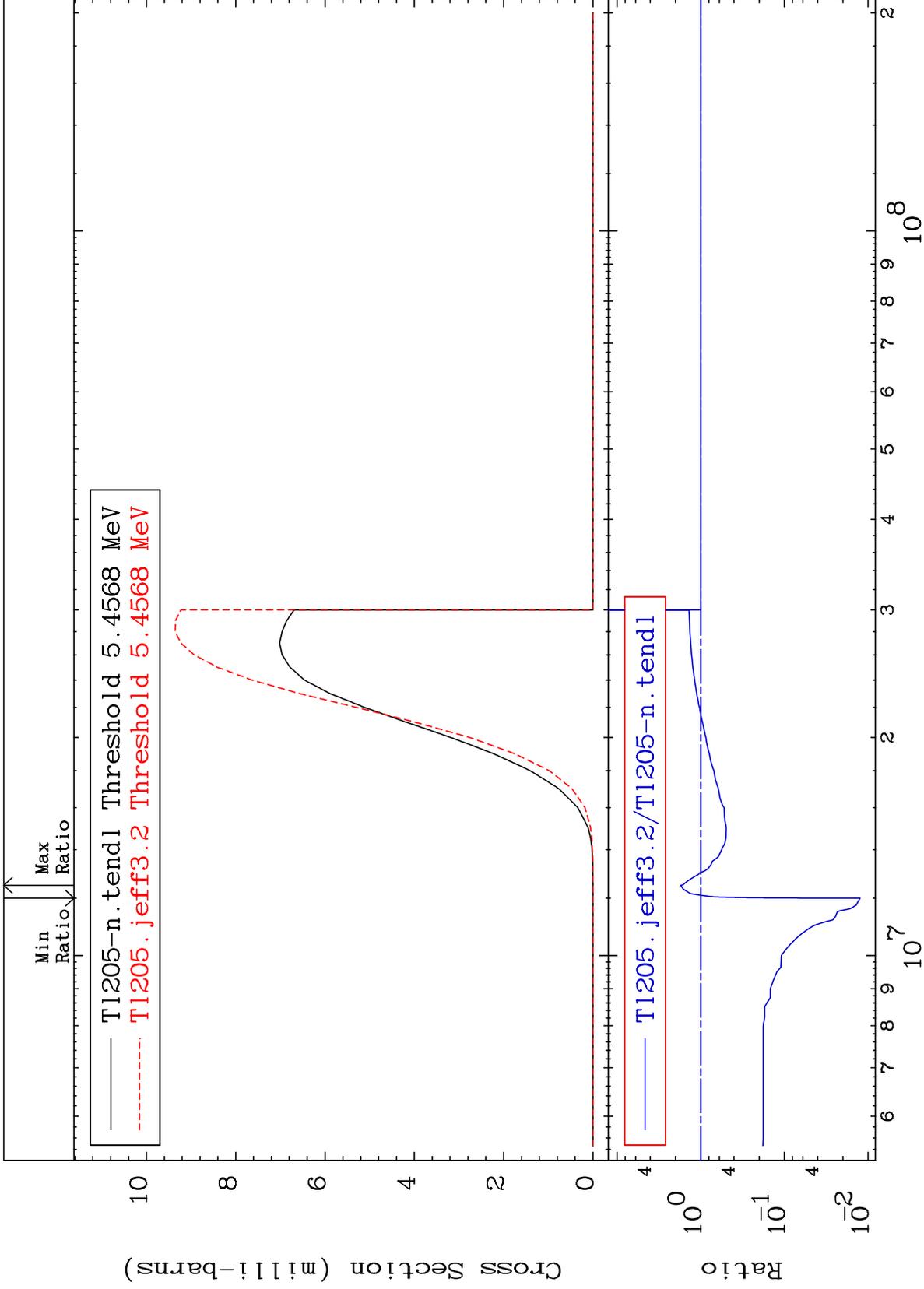
-57.73 To 304.7 %



Cross Section

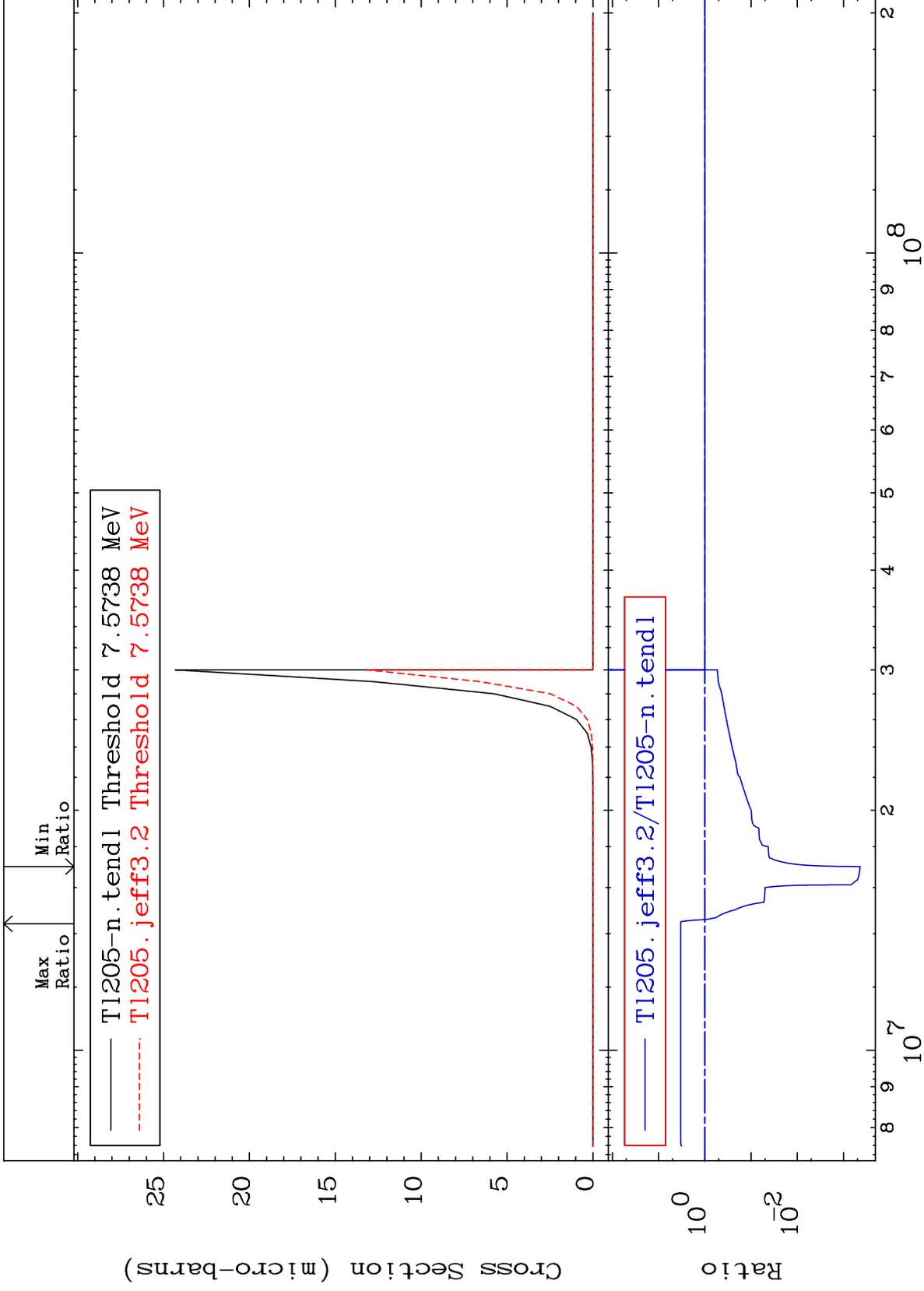
-53.83 To 24.76 %





Cross Section

-99.96 To 231.9 %



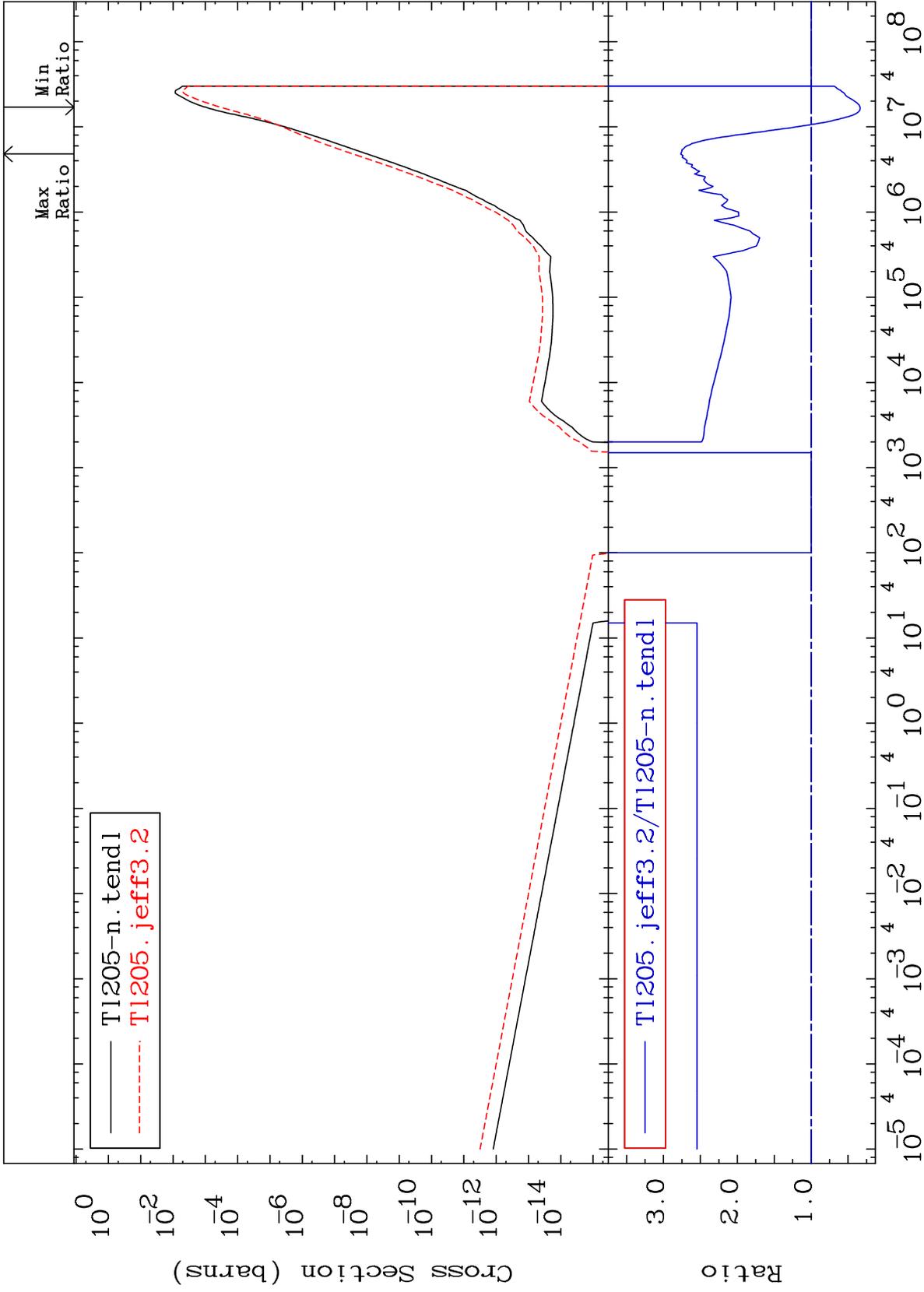
MAT 8131

(n, α)

Cross Section

81-Tl-205

-66.27 To 176.6 %



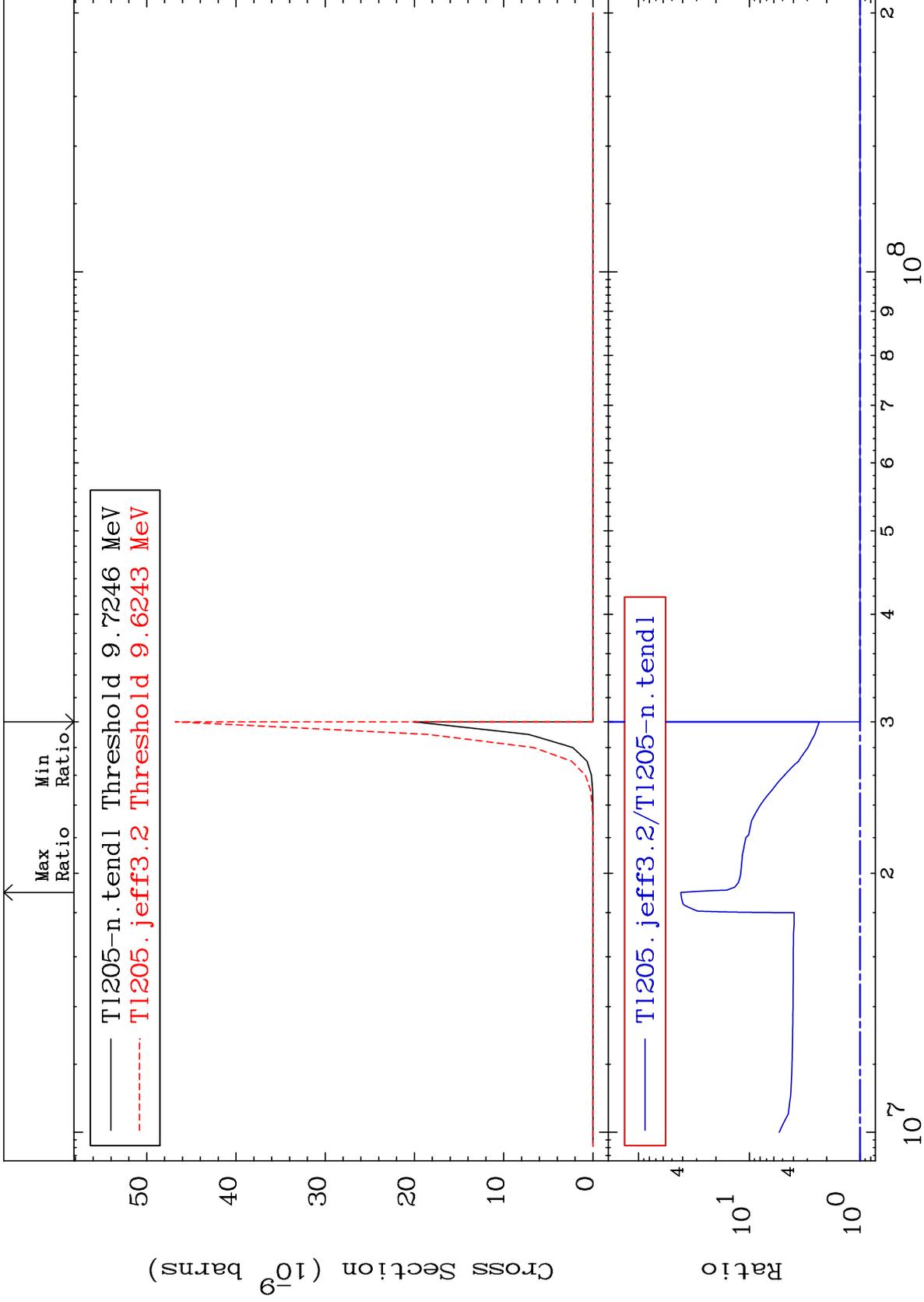
MAT 8131

(n,2p)

81-Tl-205

Cross Section

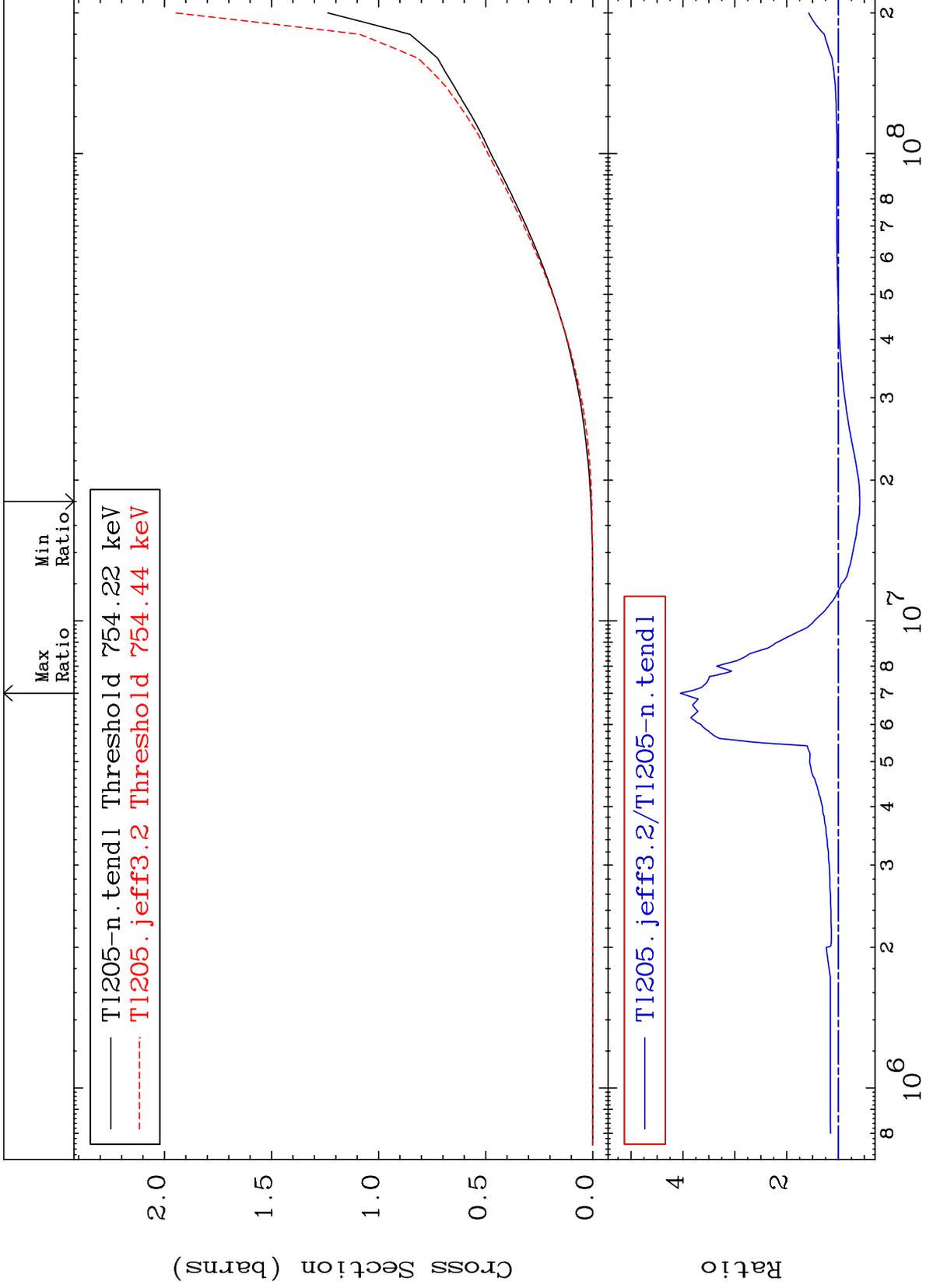
0.000 To 4064. %



55

Incident Energy (eV)

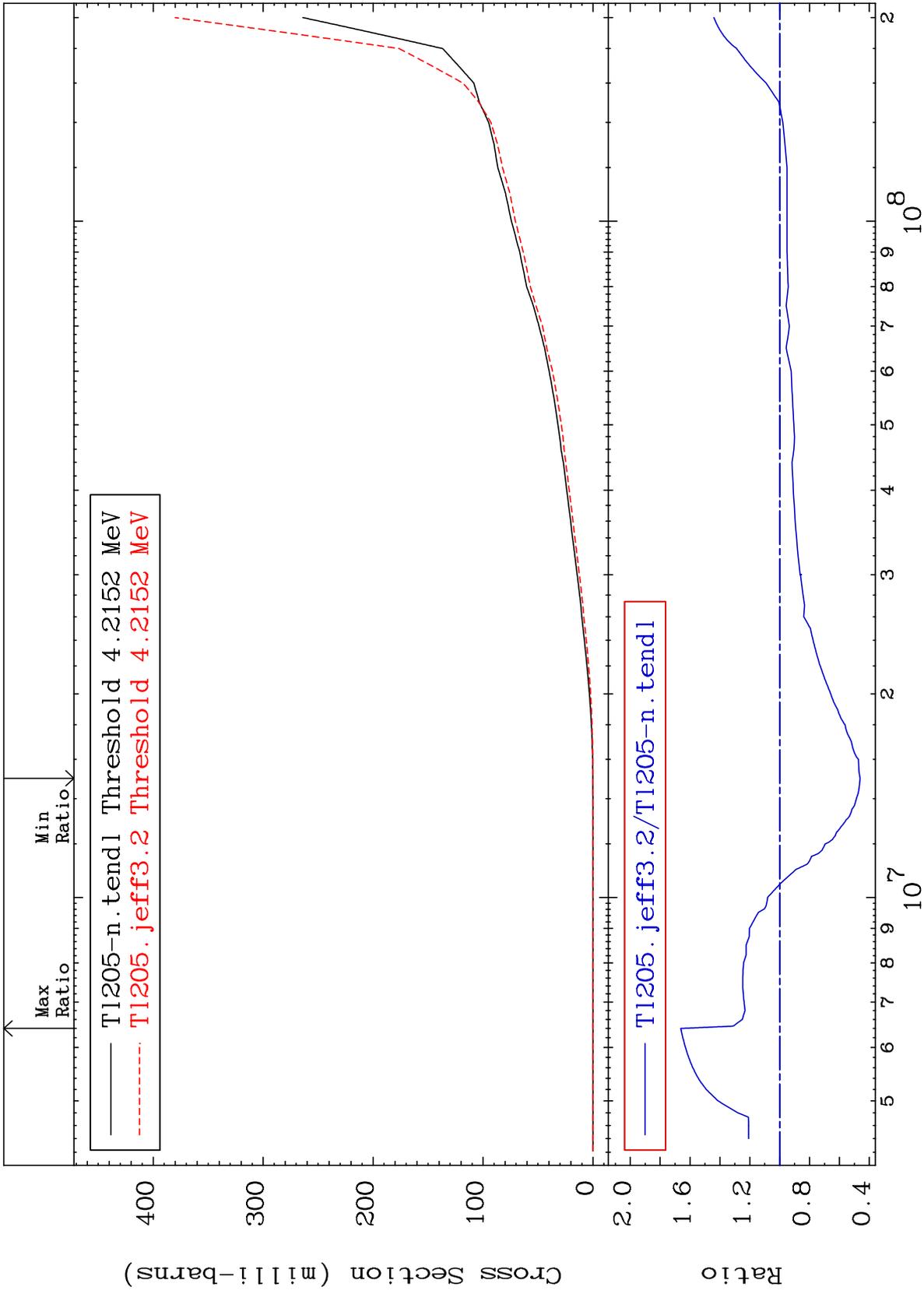
81-Tl-205

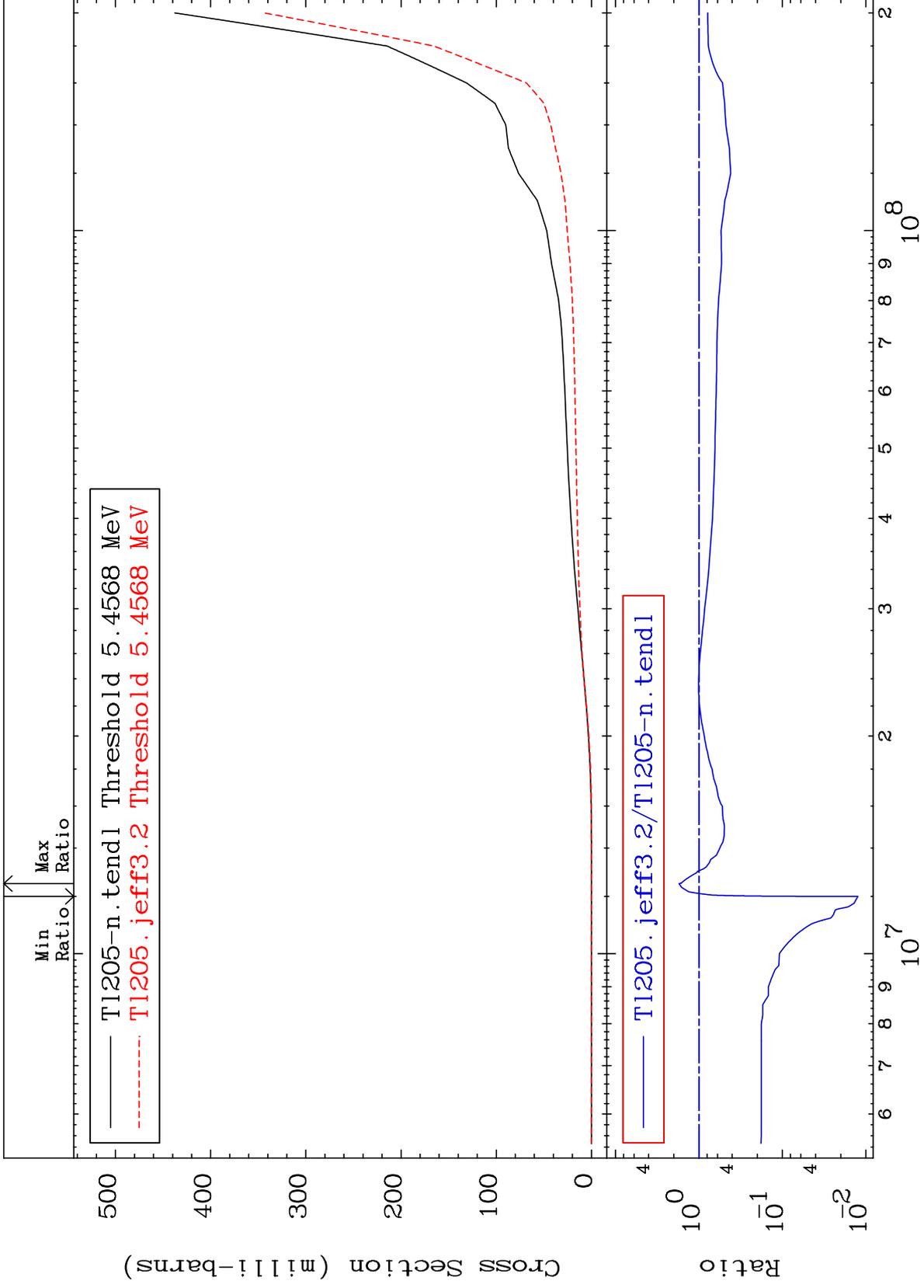


MAT 8131

Deuterium Production
Cross Section

81-Tl-205
-53.83 To 66.20 %

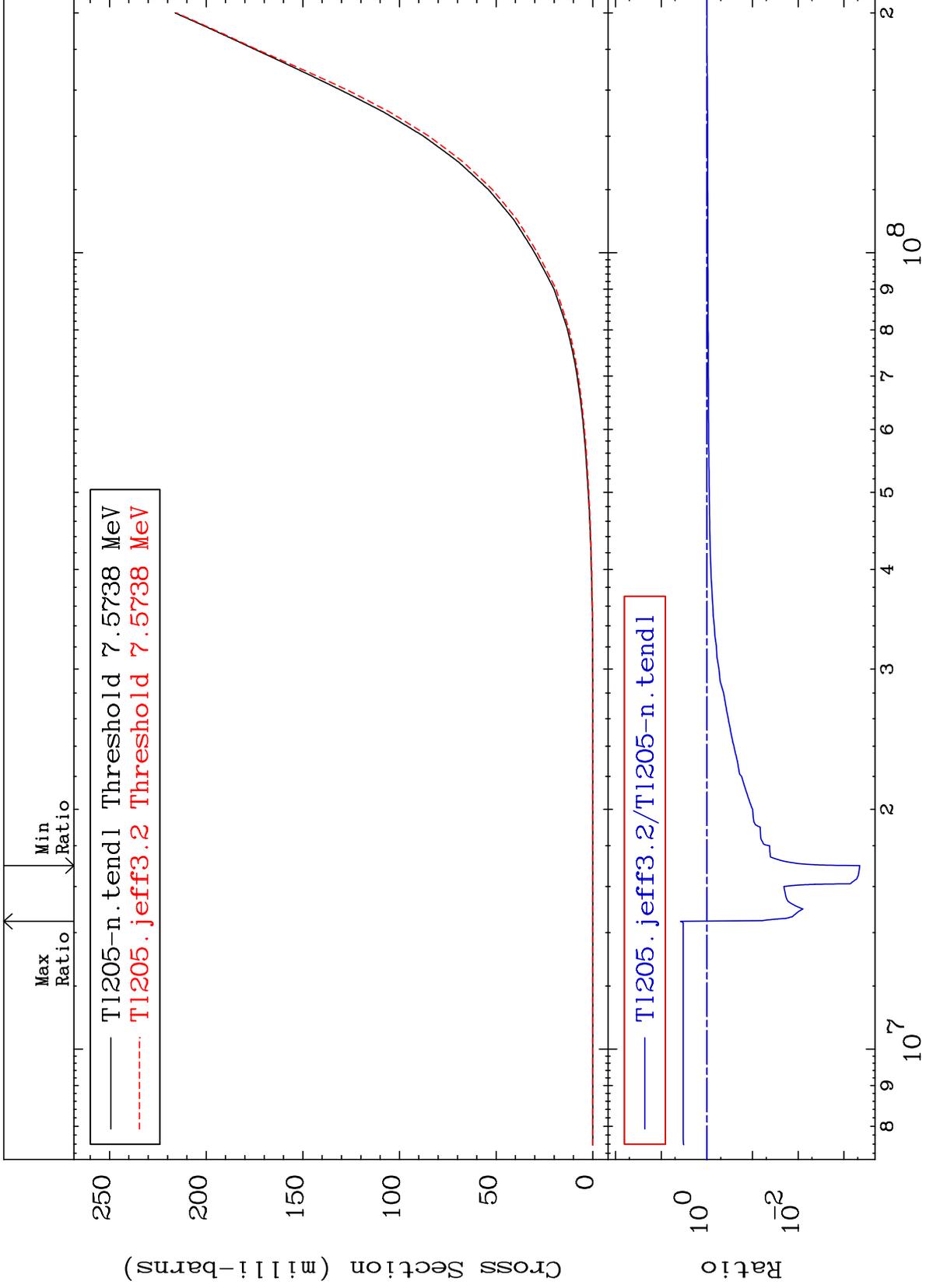




MAT 8131

He-3 Production
Cross Section

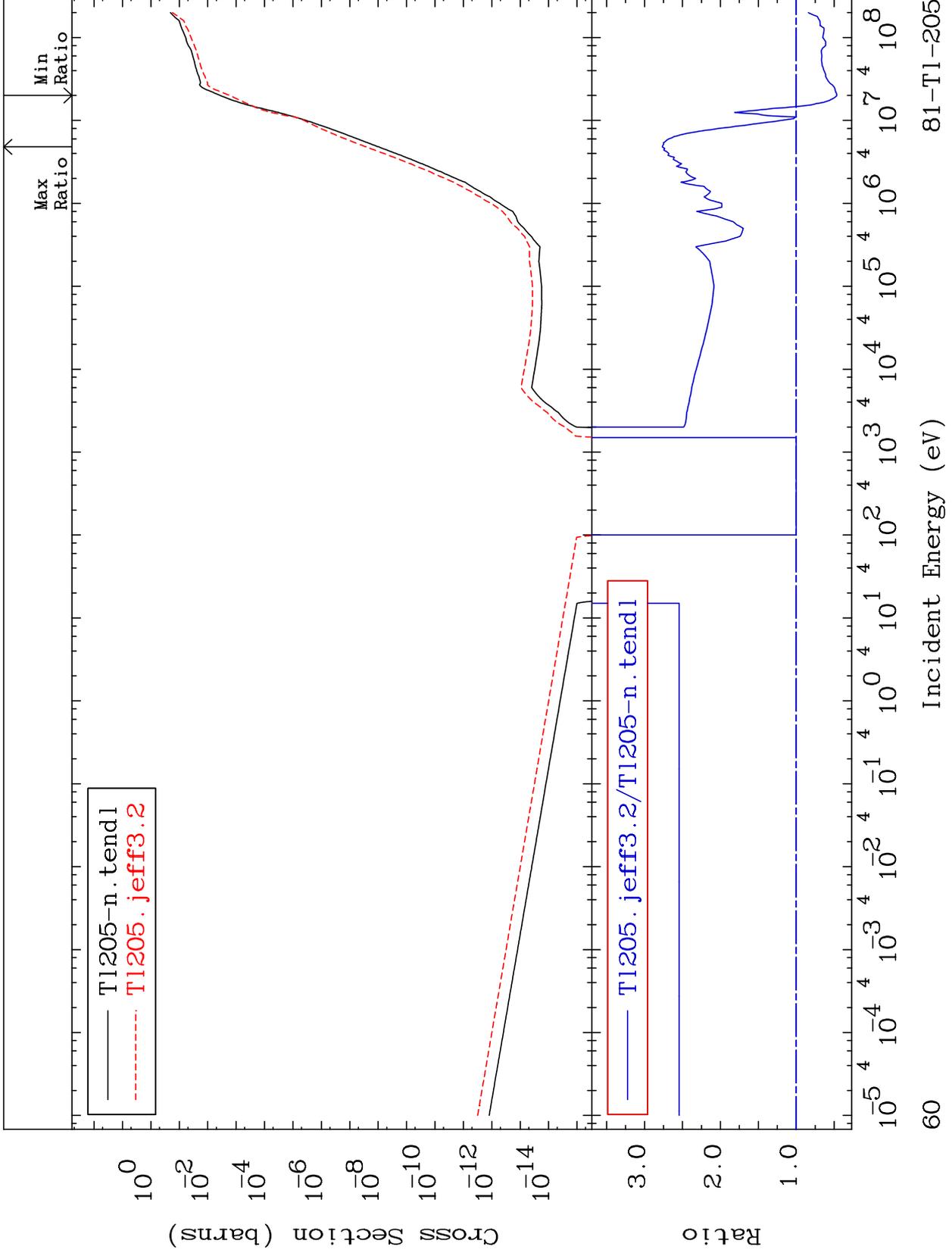
81-Tl-205
-99.96 To 278.9 %

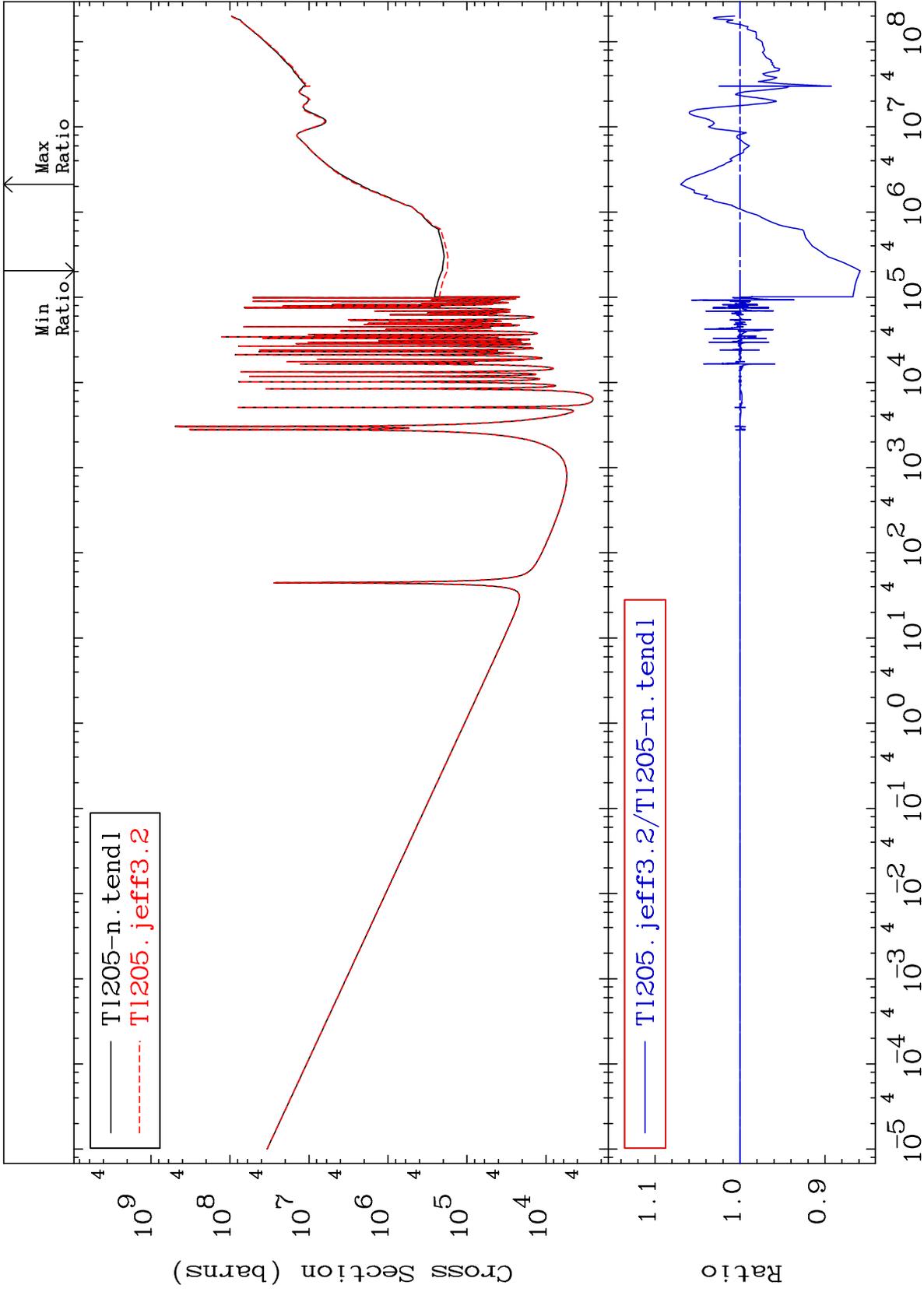


MAT 8131

He-4 Production
Cross Section

81-T1-205
-53.49 To 176.6 %

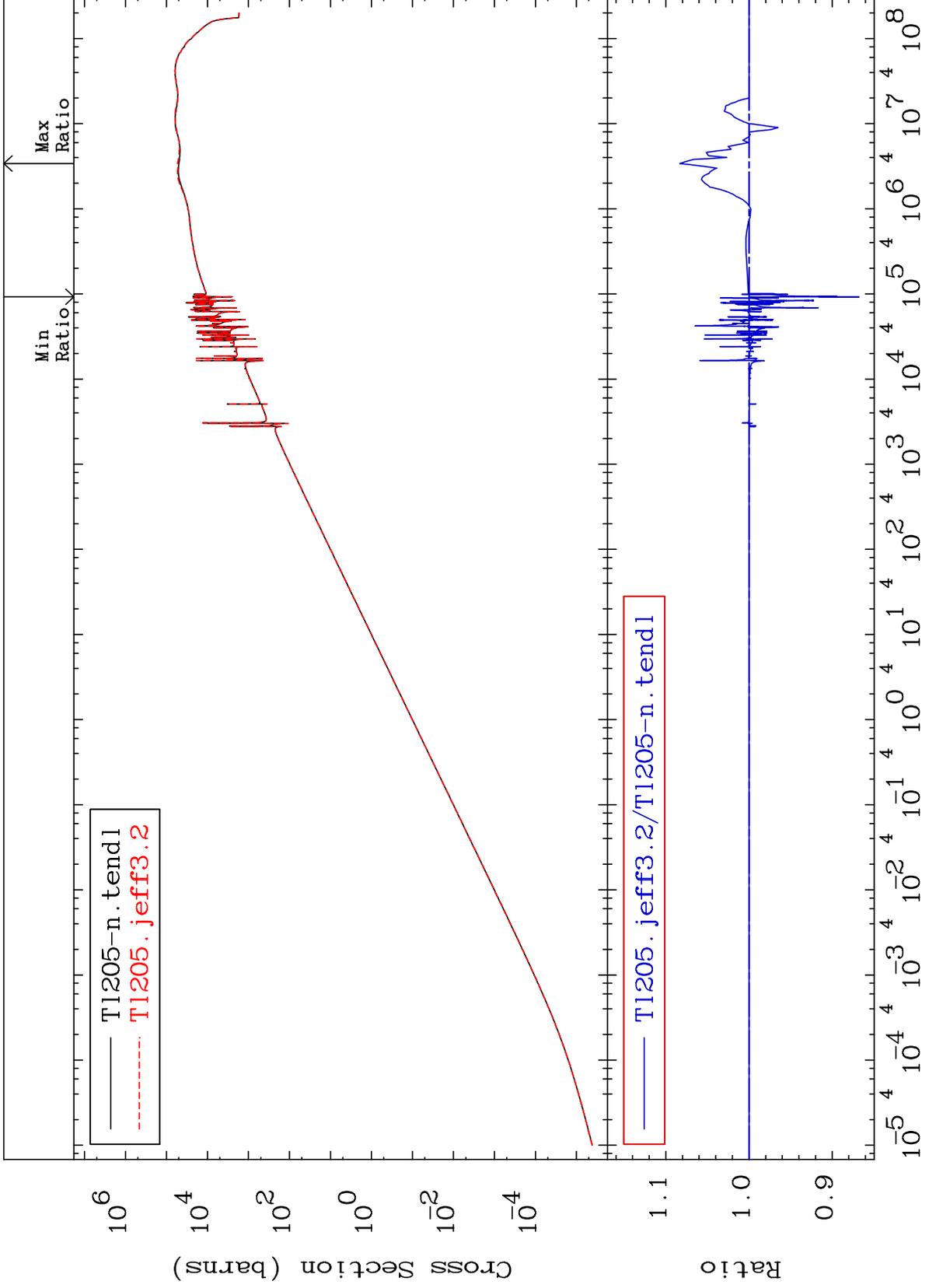




MAT 8131

Kerma elastic
Cross Section

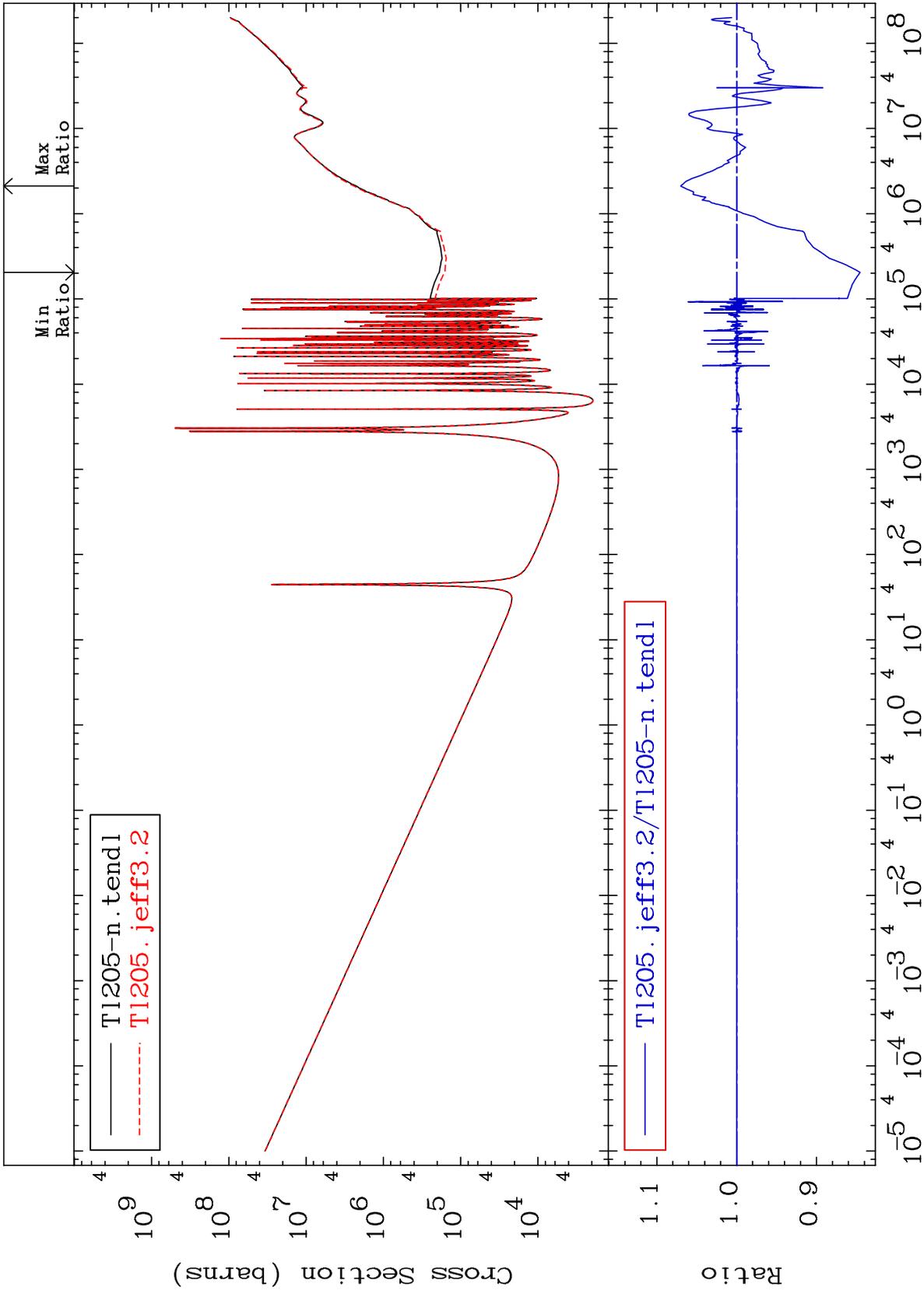
81-T1-205
-13.22 To 8.311 %



62

Incident Energy (eV)

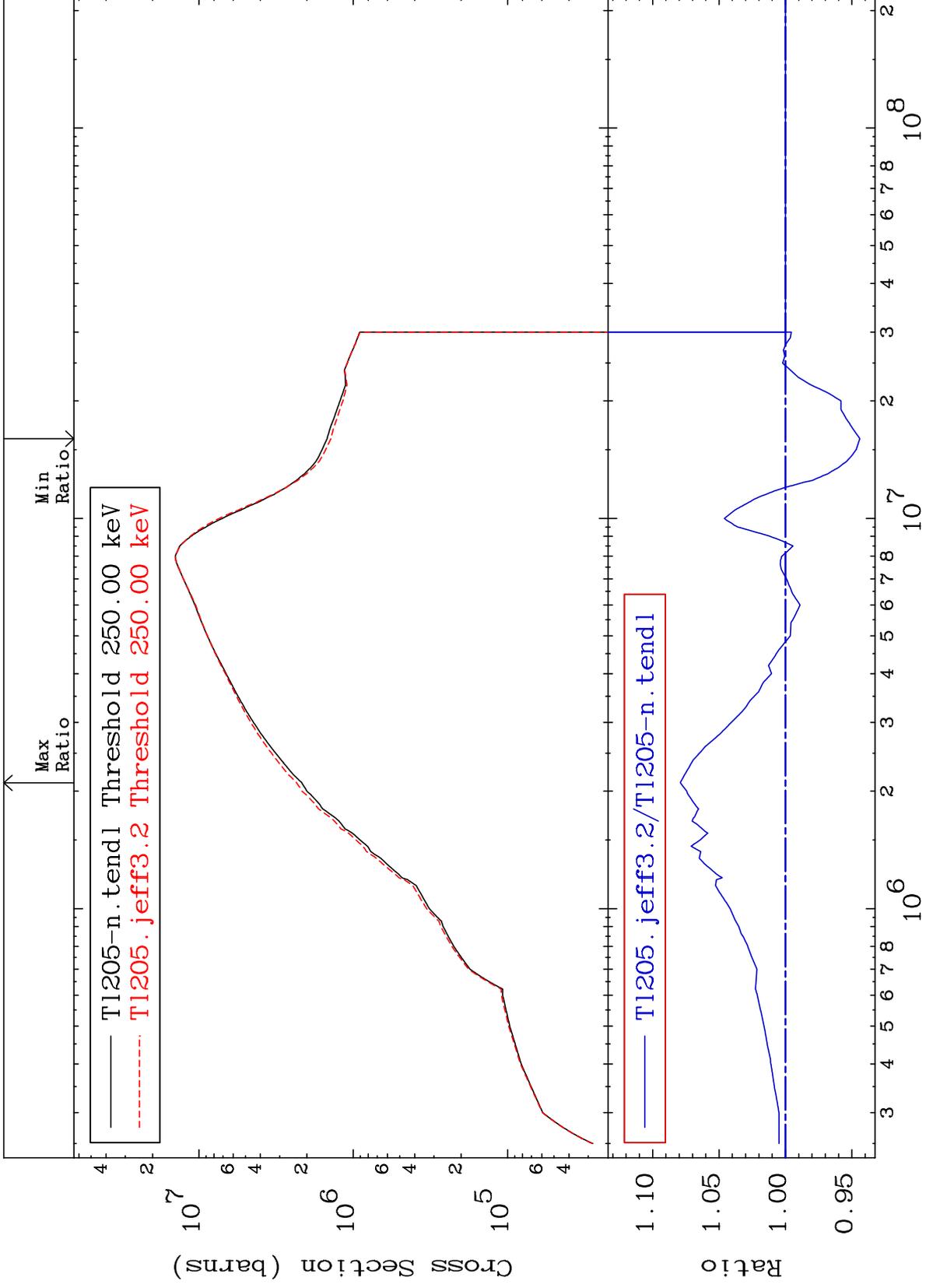
81-T1-205



MAT 8131

Kerma inelastic (mt51-91)
Cross Section

81-Tl-205
-5.592 To 7.901 %



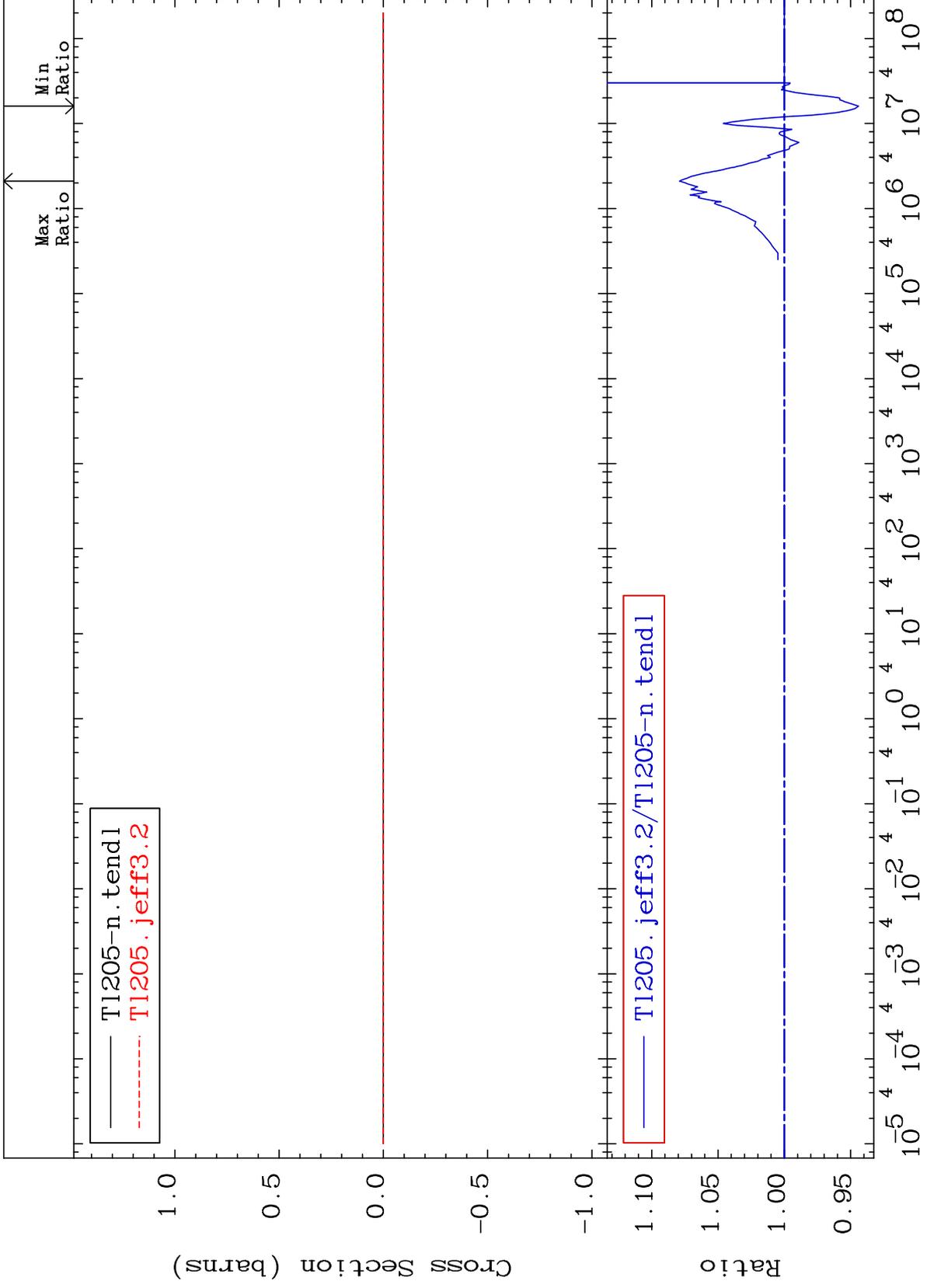
64

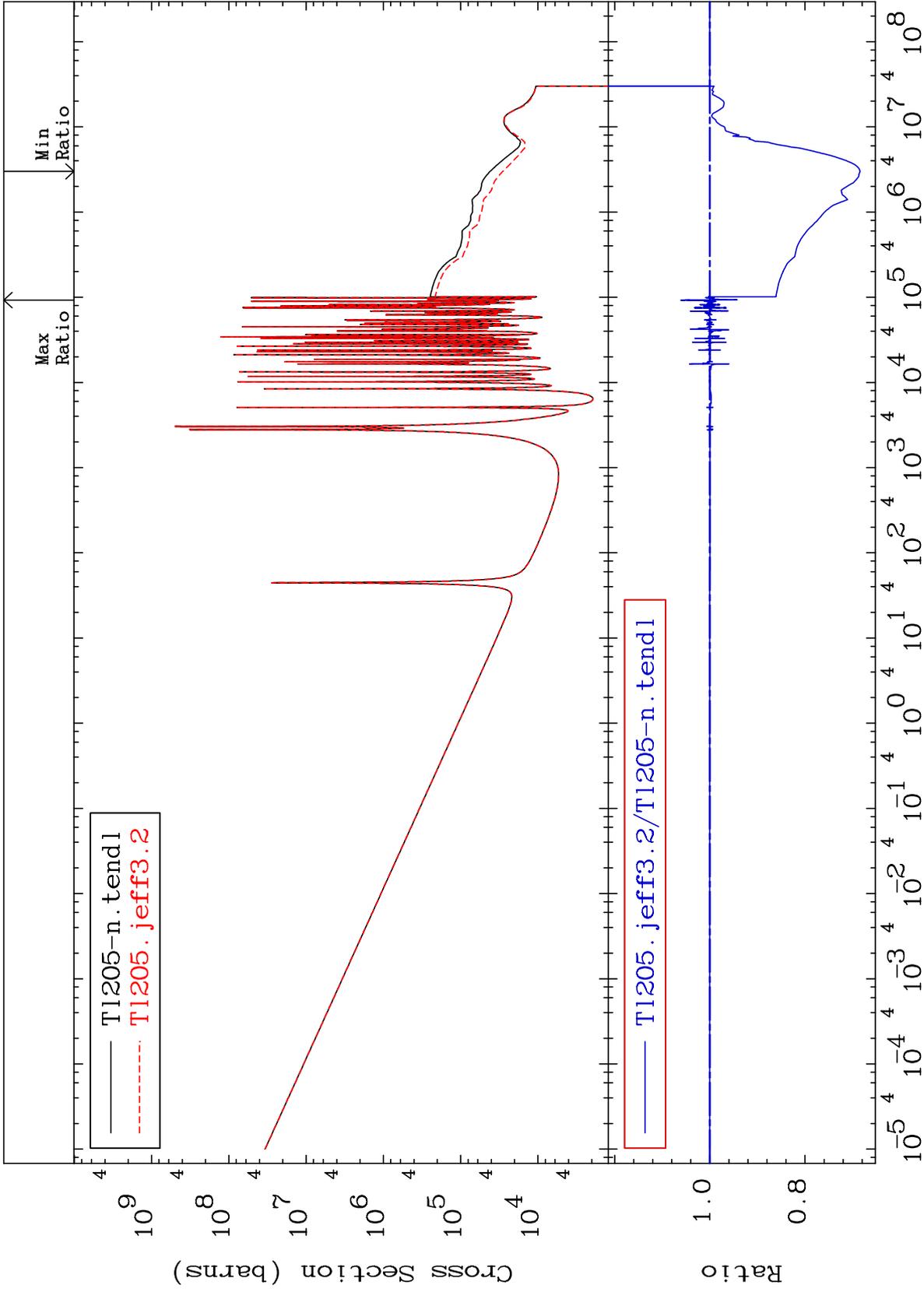
81-Tl-205

MAT 8131

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

81-T1-205
-5.592 To 7.901 %

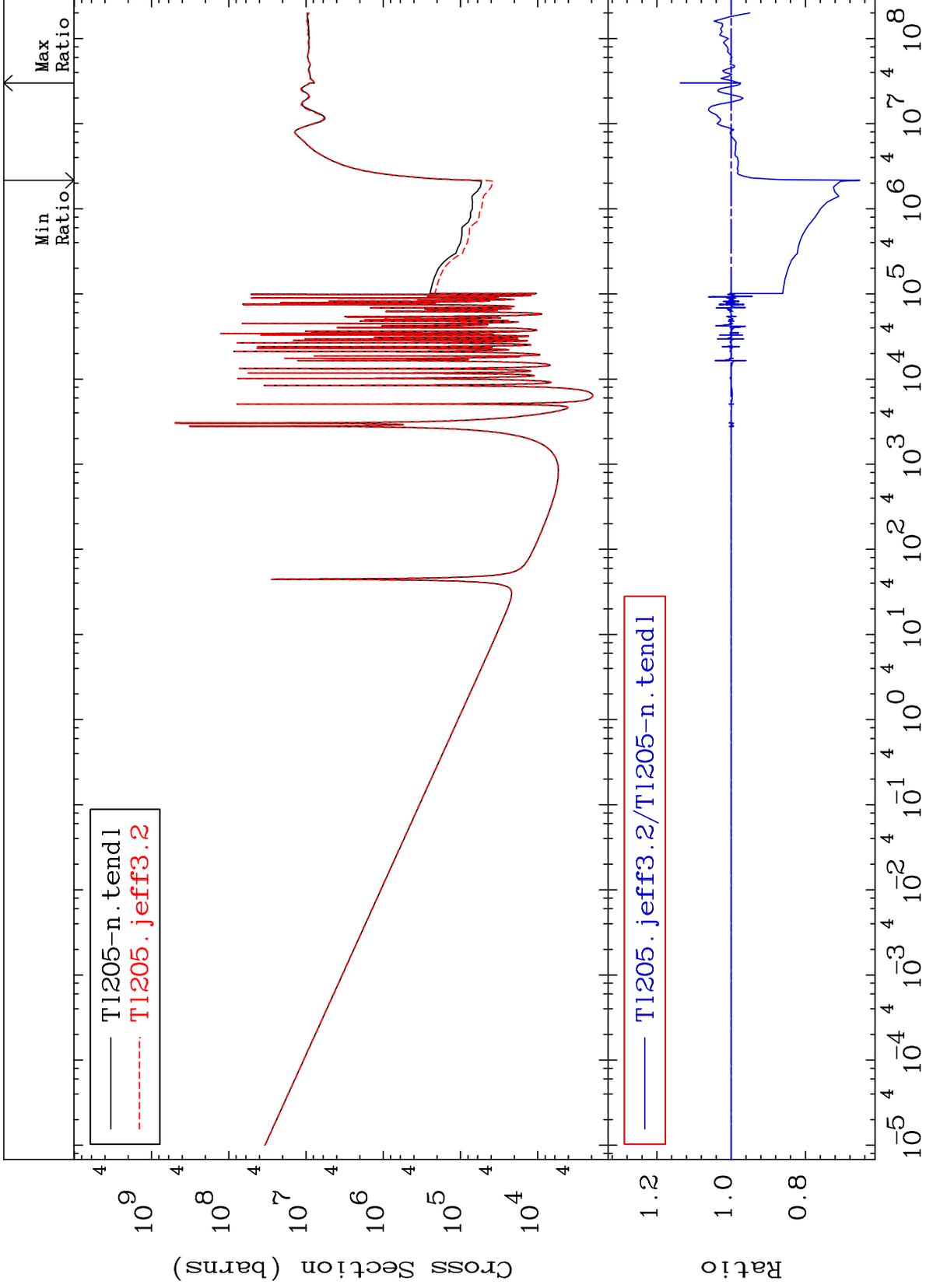




MAT 8131

Total photon (eV-barns)
Cross Section

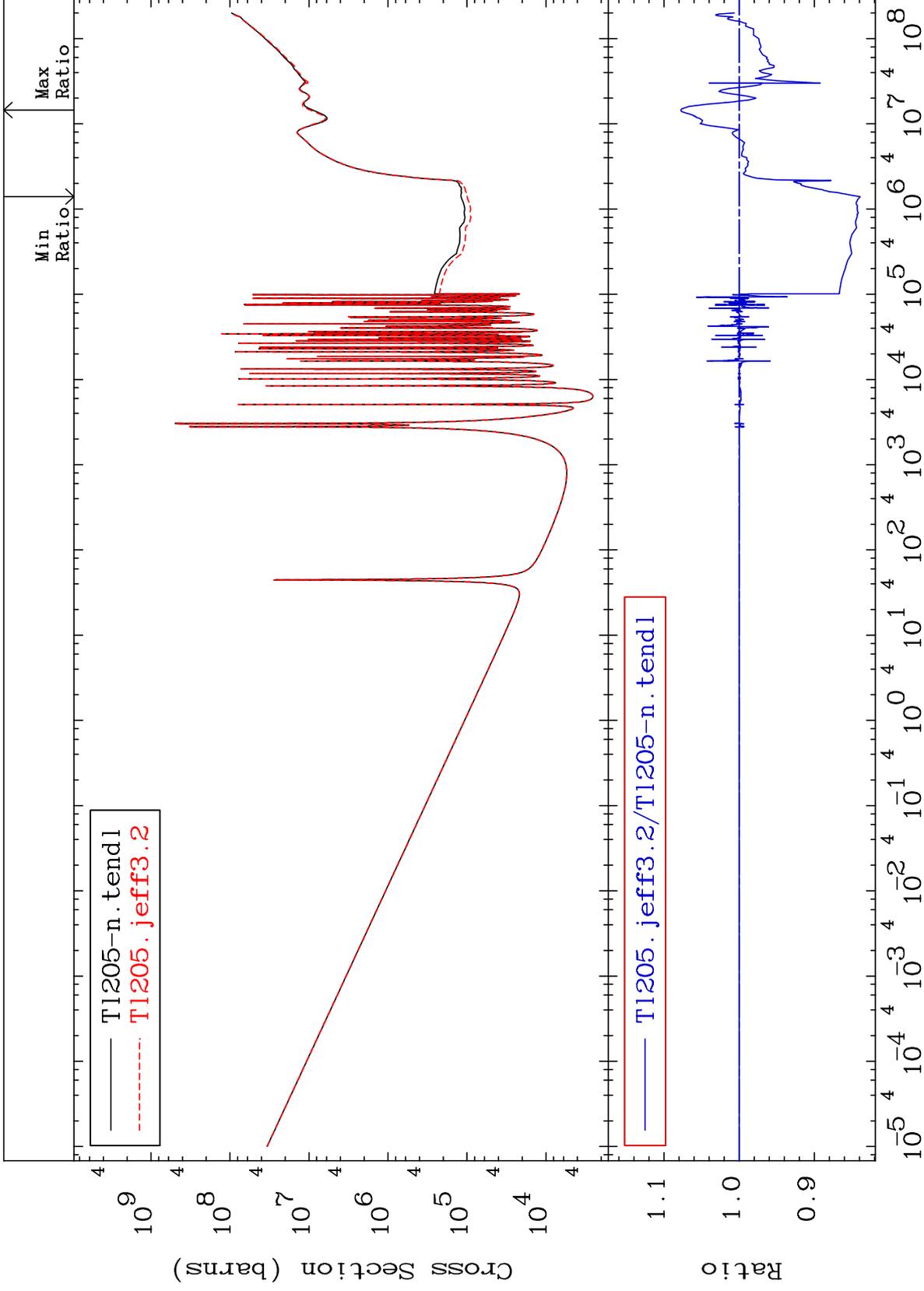
81-T1-205
-34.64 To 13.62 %



67

Incident Energy (eV)

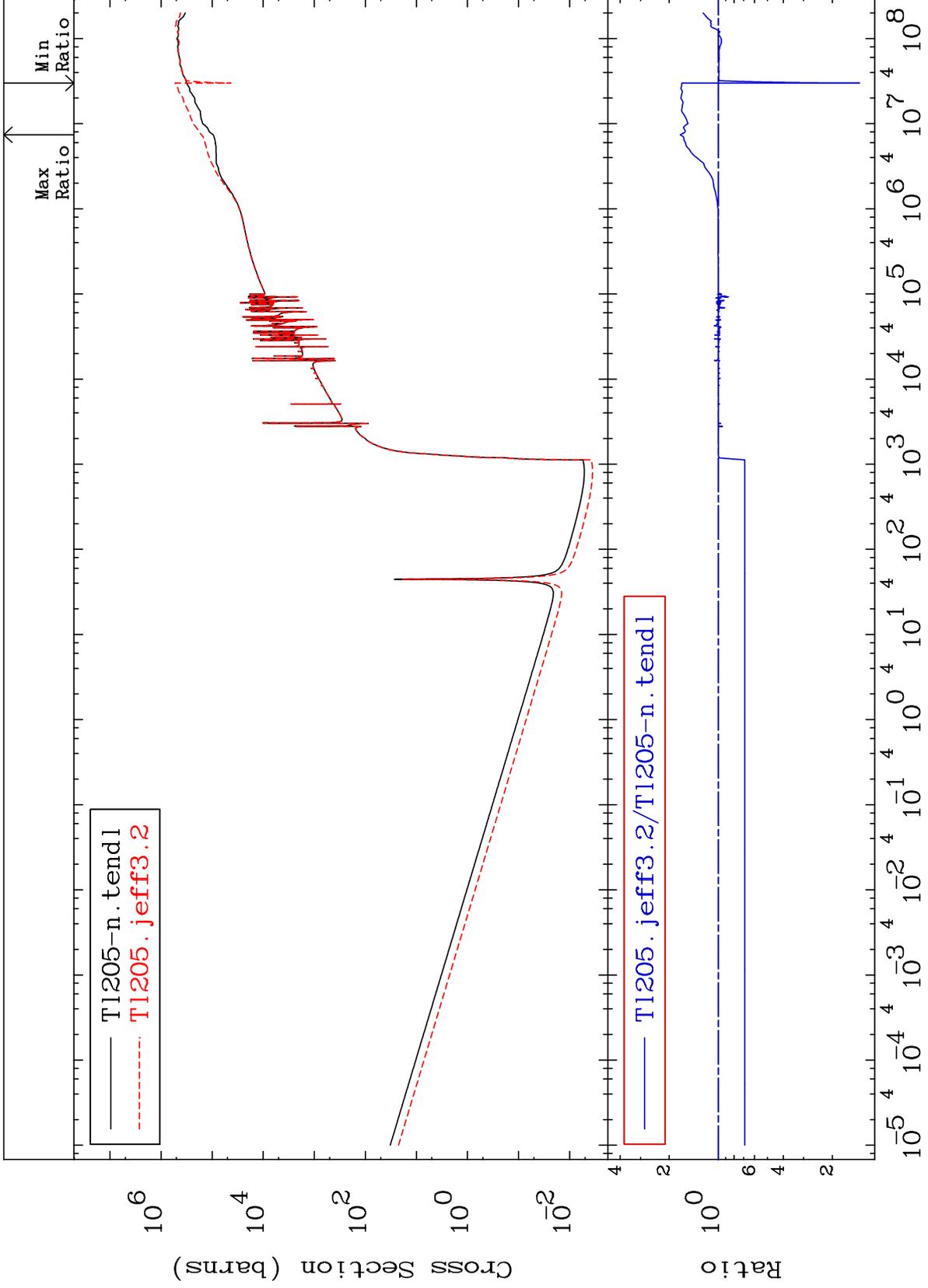
81-T1-205



MAT 8131

Dpa total (eV-barns)
Cross Section

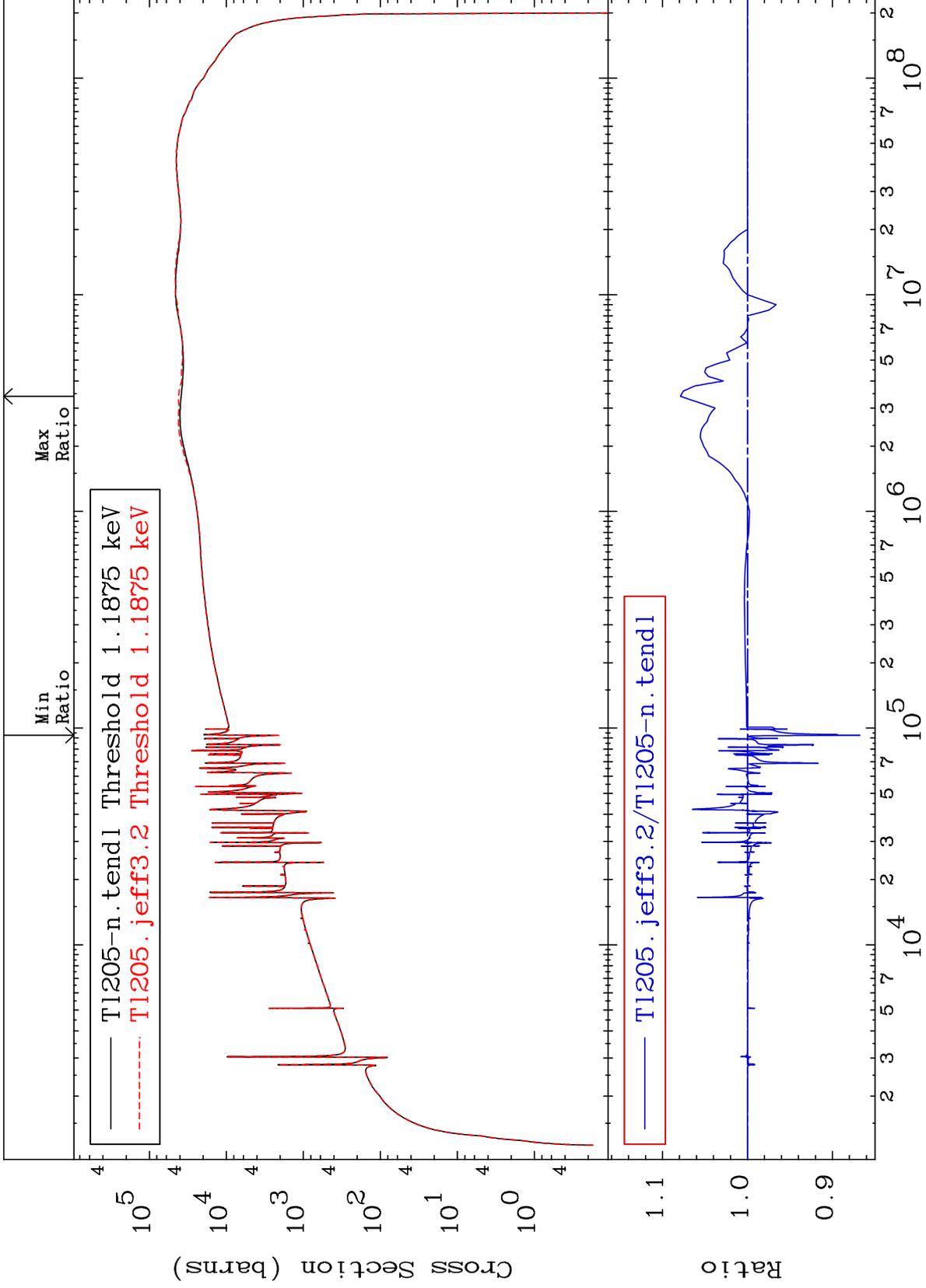
81-T1-205
-86.36 To 71.09 %



69

Incident Energy (eV)

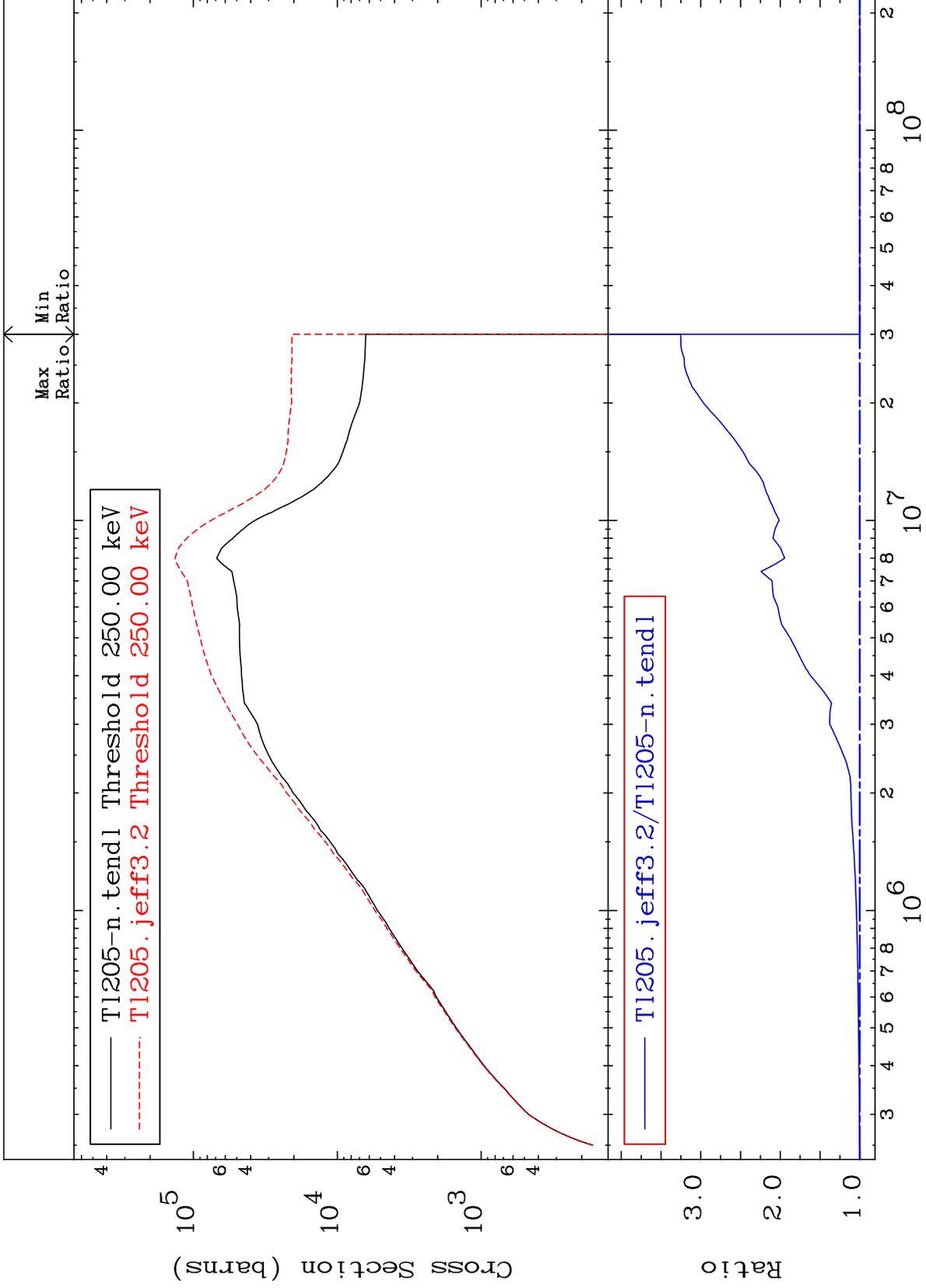
81-T1-205



MAT 8131

Dpa inelastic (mt51-91)
Cross Section

81-Tl-205
0.000 To 225.5 %



71

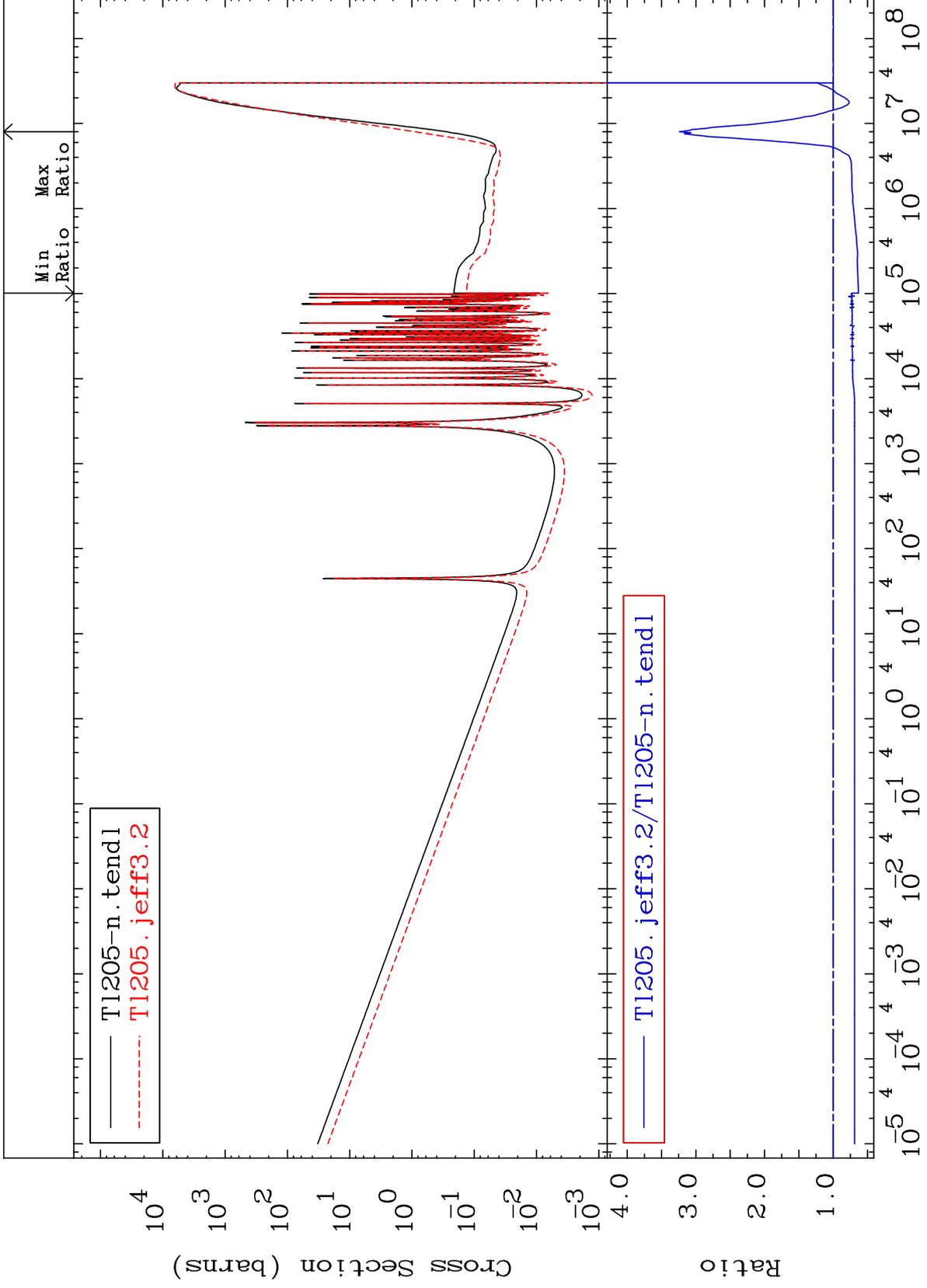
Incident Energy (eV)

81-Tl-205

MAT 8131

Dpa disappearance (mt102 -120)
Cross Section

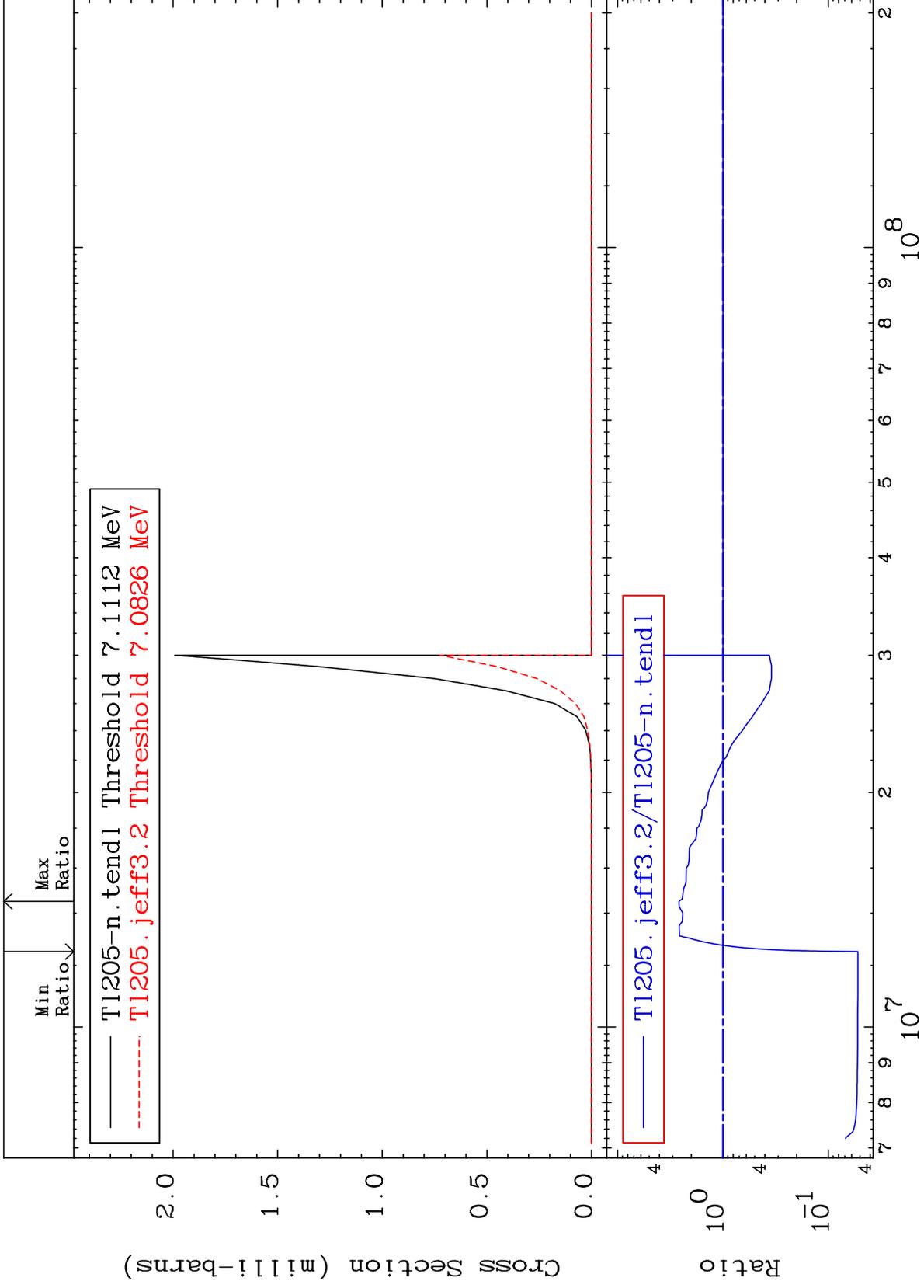
81-T1-205
-36.88 To 223.8 %



72

Incident Energy (eV)

81-T1-205



Radionuclide Production Cross Section -75.97 To 199.5 %

