

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

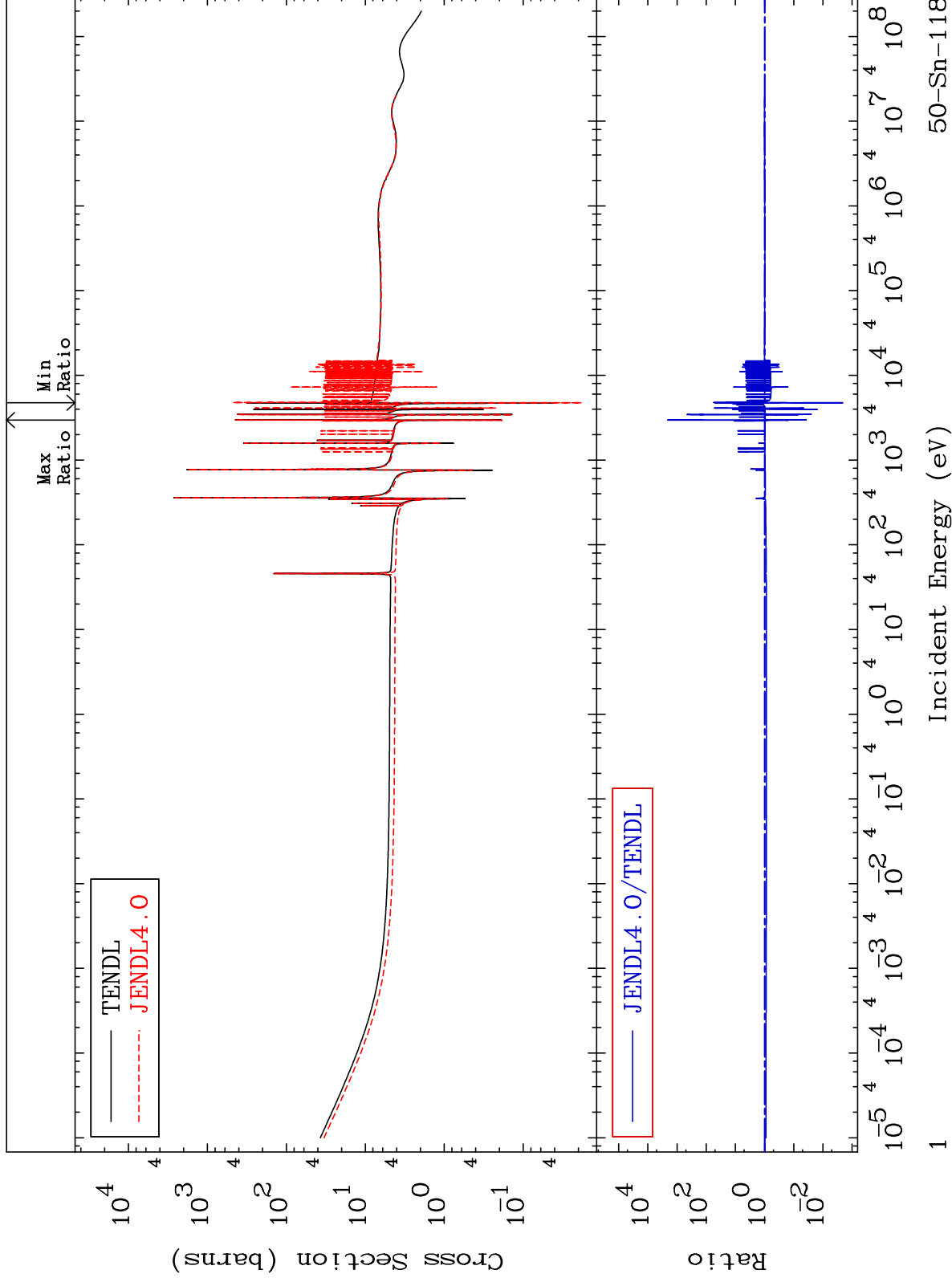
MAT 5043

Total

50-Sn-118

Cross Section

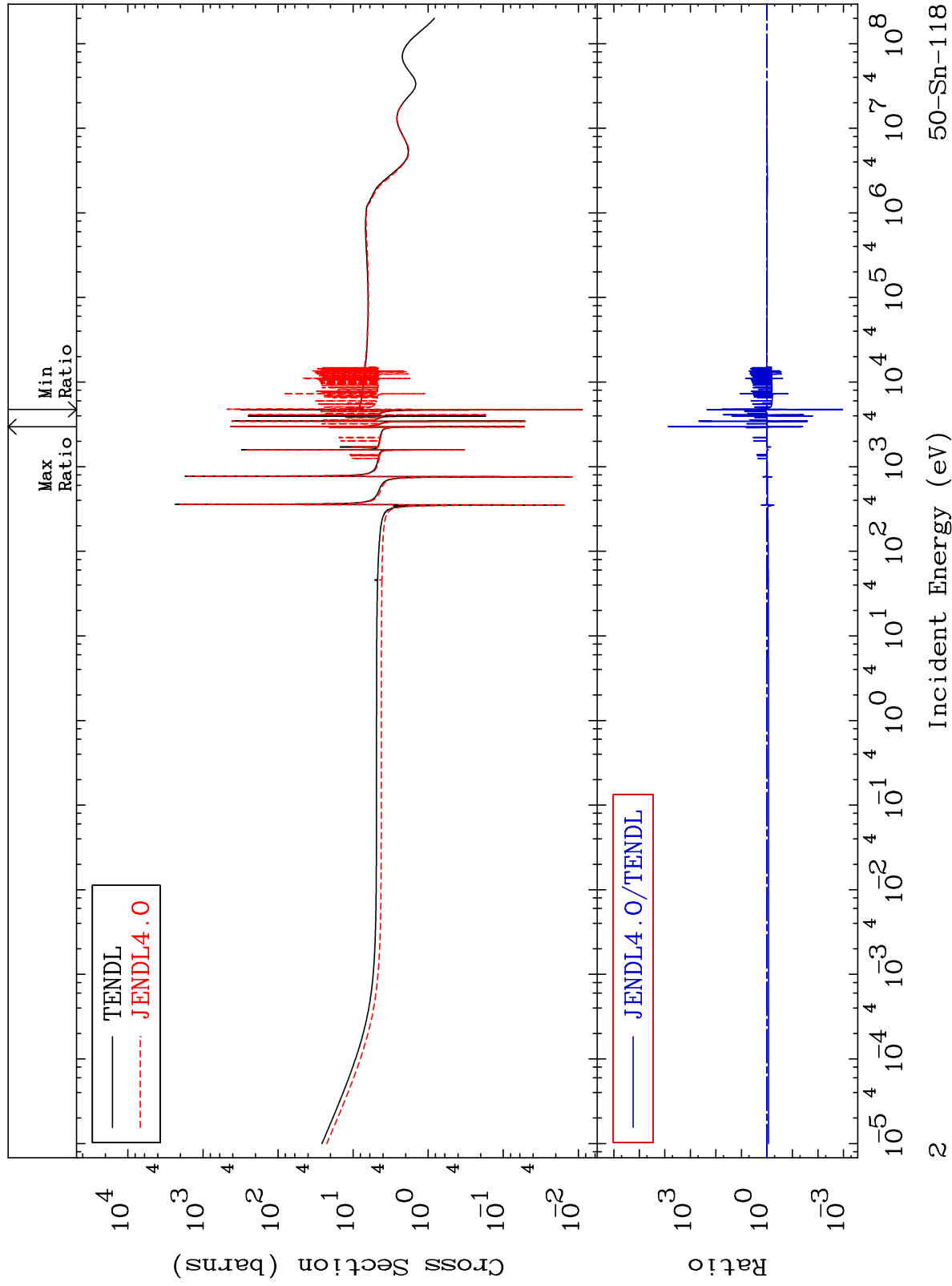
-99.79 To 9999. %



MAT 5043

Elastic
Cross Section

50-Sn-118
-99.89 To 9999. %



50-Sn-118

Incident Energy (eV)

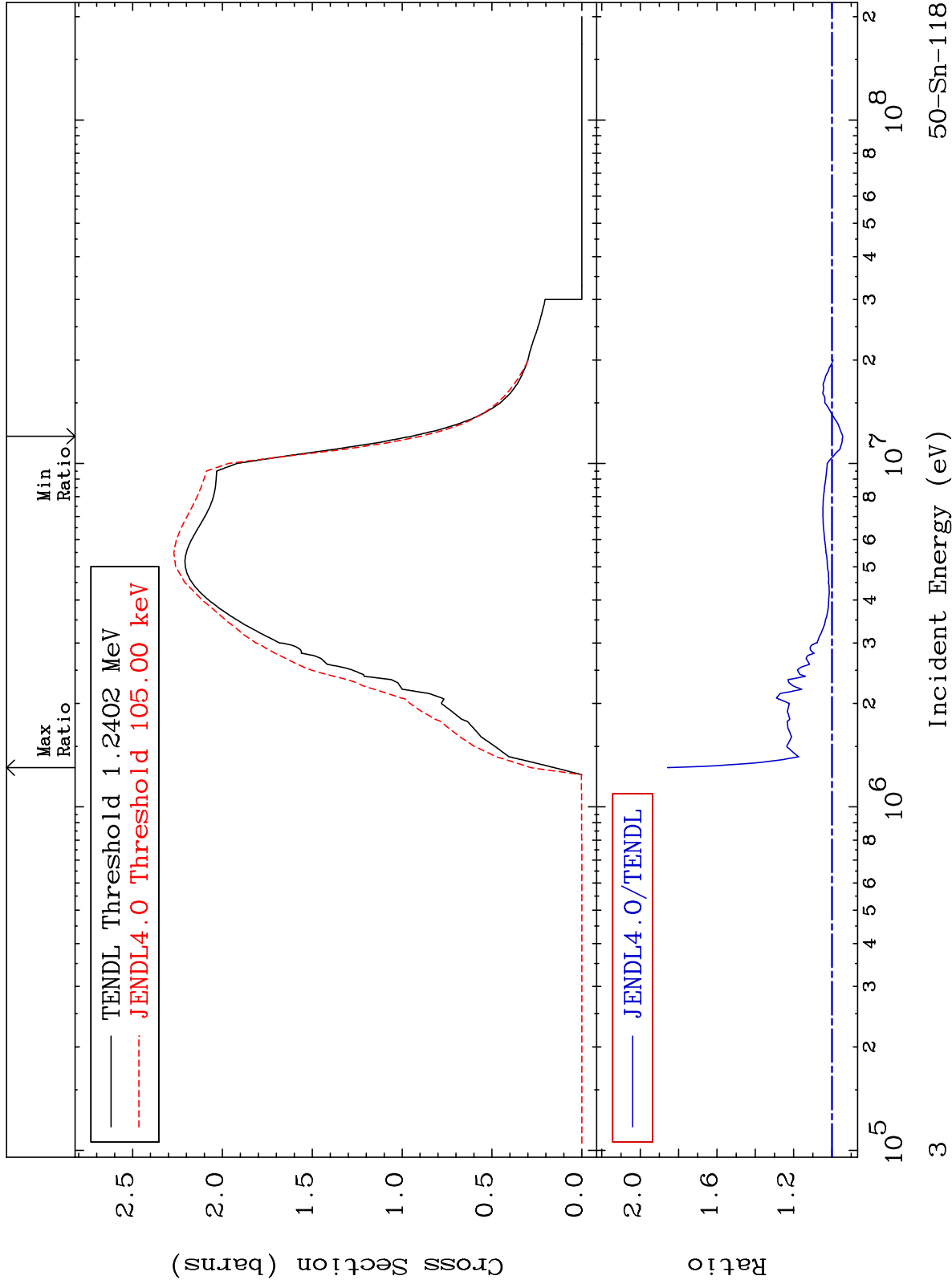
MAT 5043

Inelastic

50-Sn-118

Cross Section

-5.558 To 85.75 %



Incident Energy (eV)

50-Sn-118

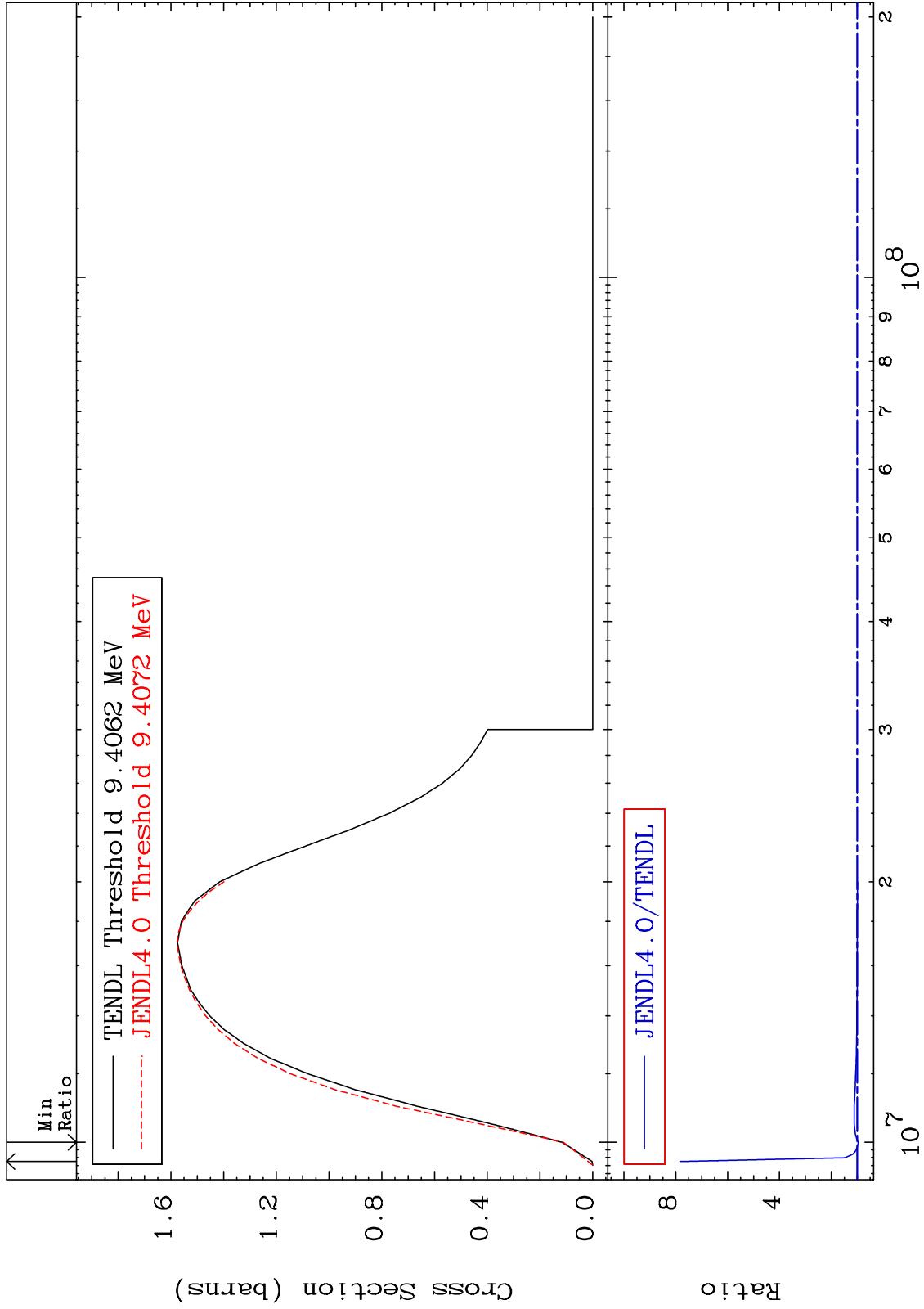
MAT 5043

(n,2n)

50-Sn-118

Cross Section

-4.408 To 683.7 %



4

Incident Energy (eV)

50-Sn-118

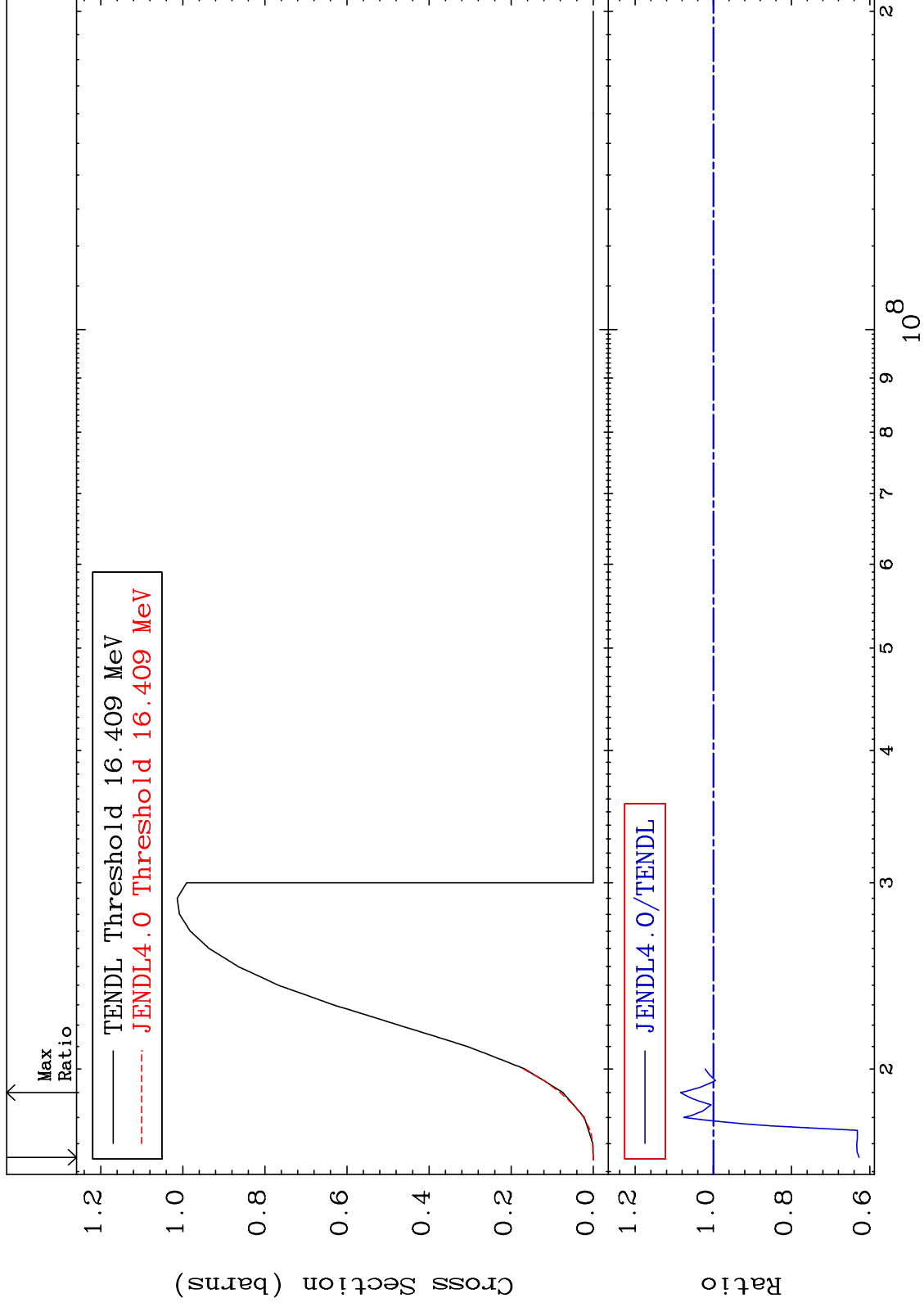
MAT 5043

(n,3n)

50-Sn-118

Cross Section

-37.30 To 8.381 %



5

Incident Energy (eV)

50-Sn-118

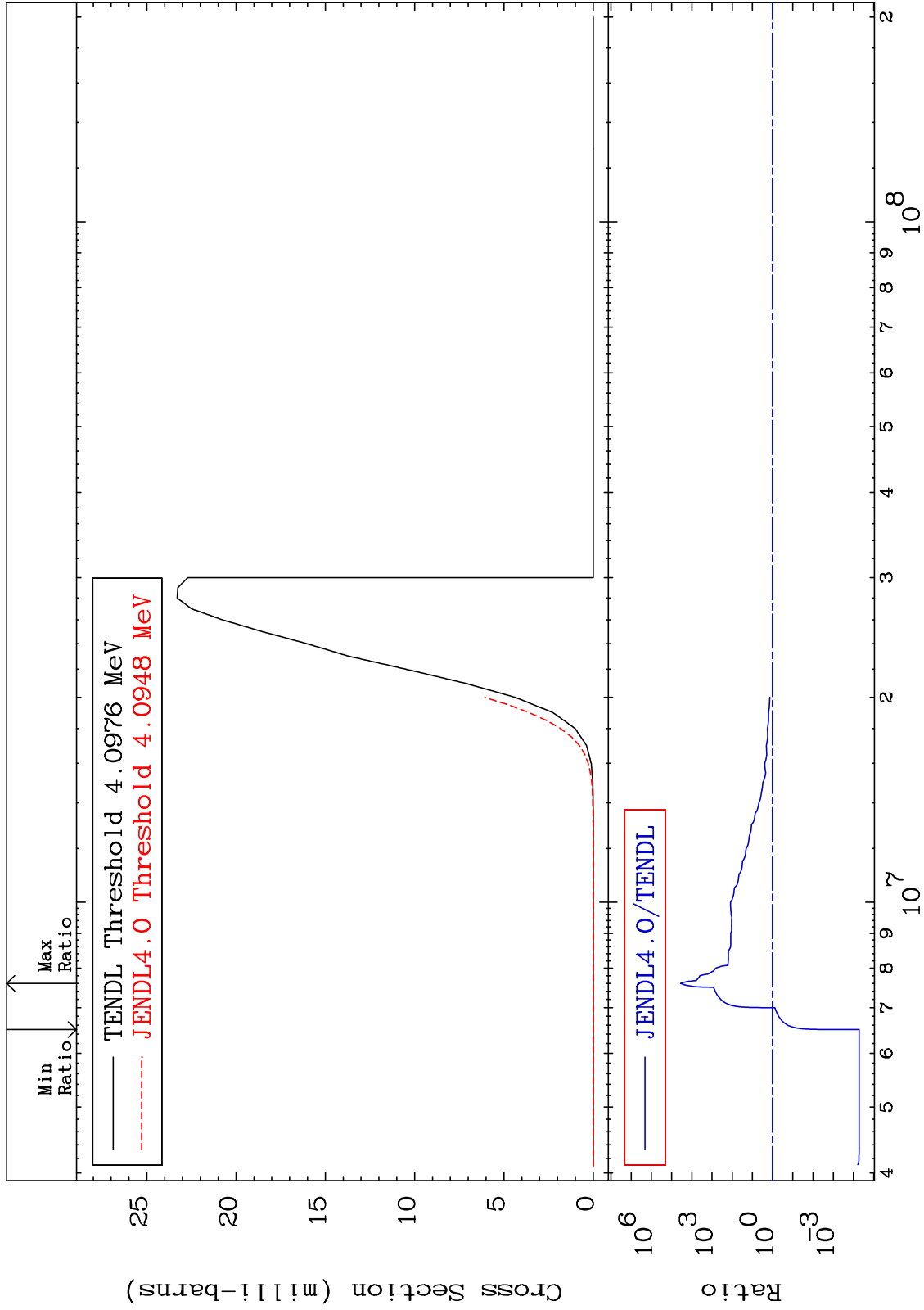
MAT 5043

(n,n') α

50-Sn-118

Cross Section

-99.99 To 9999. %



6

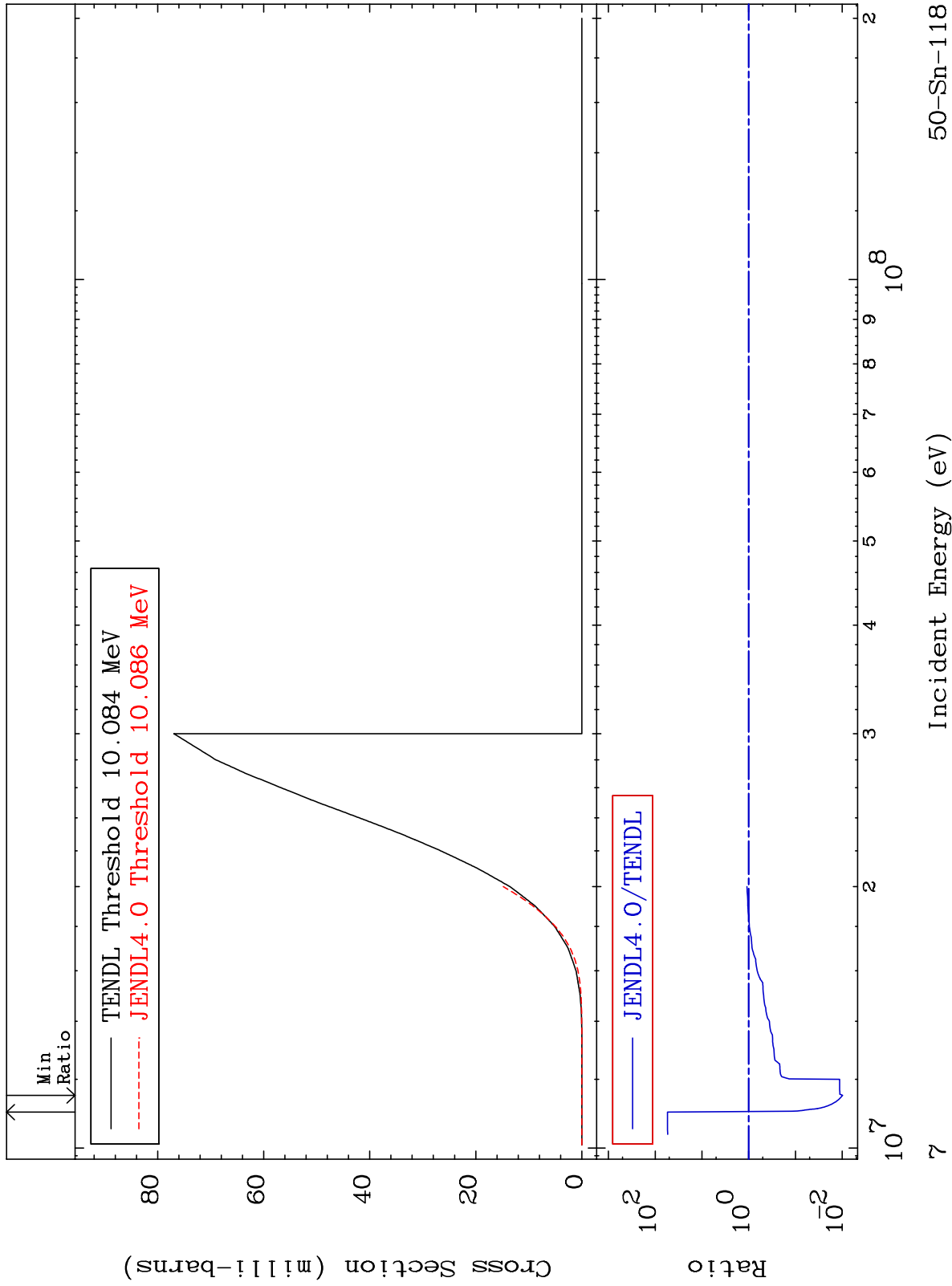
Incident Energy (eV)

50-Sn-118

MAT 5043

(n,n') p
Cross Section

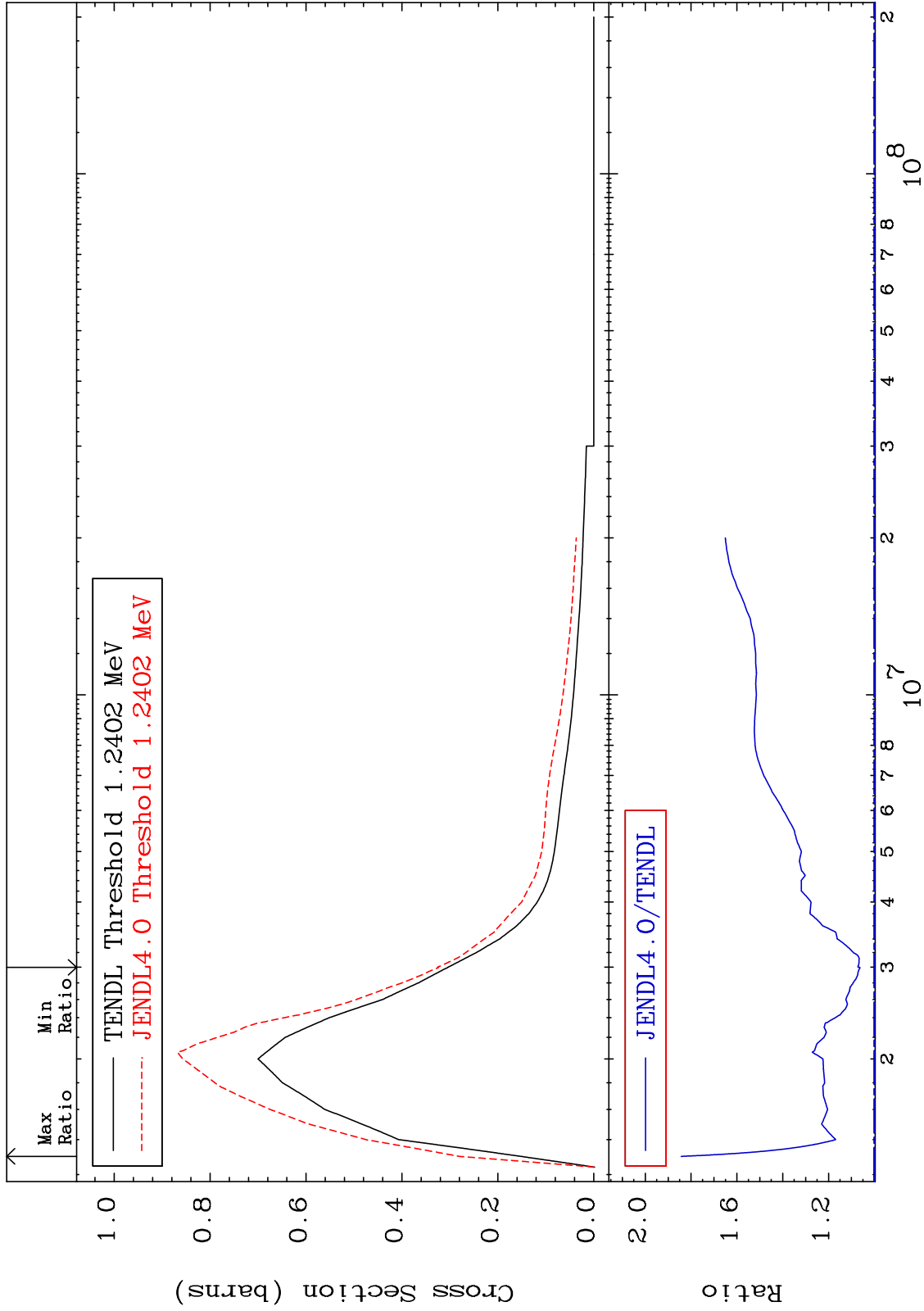
50-Sn-118
-99.02 To 5338. %



MAT 5043

MT= 51 (n,n') Level
Cross Section

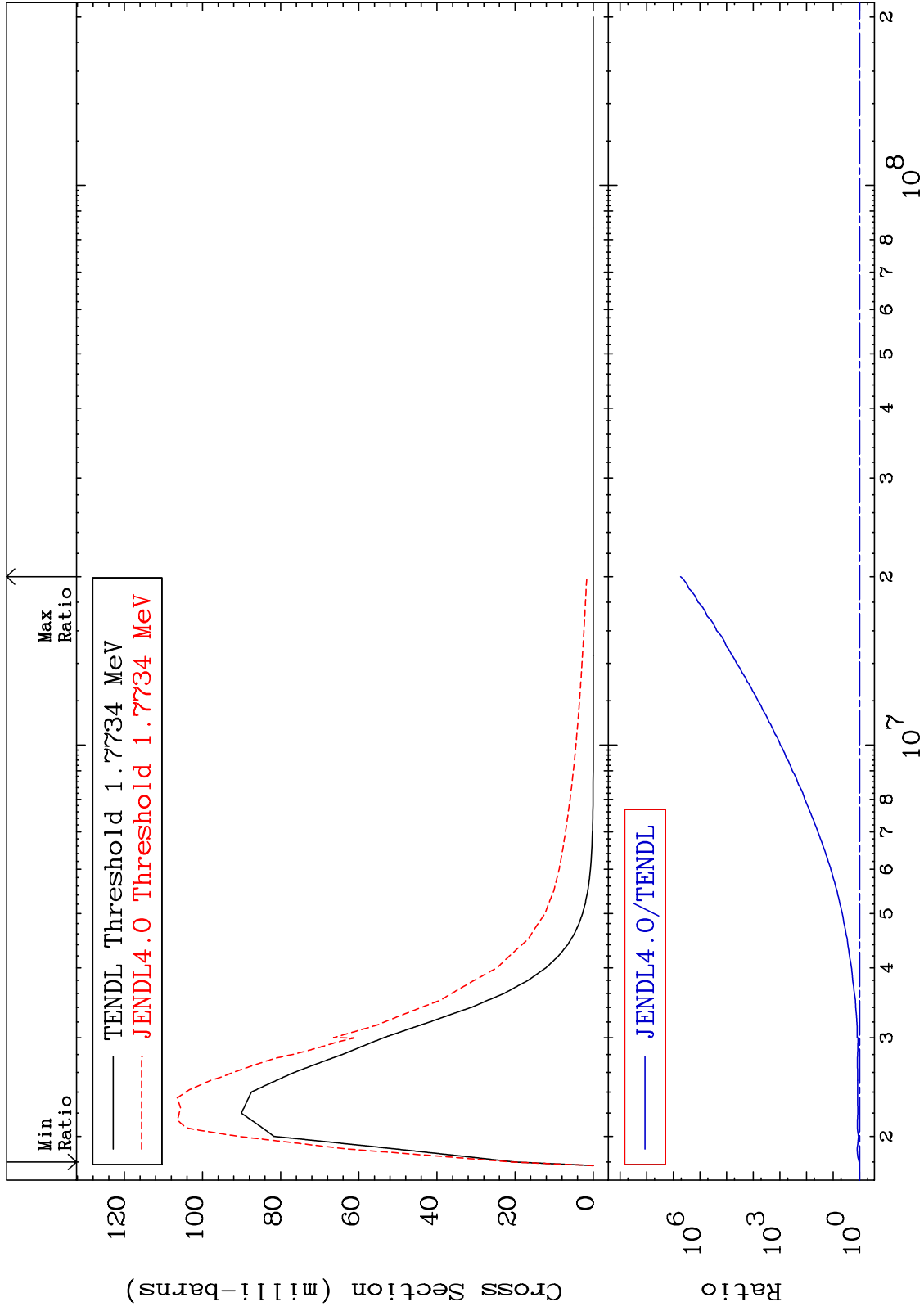
50-Sn-118
6.303 To 84.30 %



MAT 5043

MT= 52 (n,n') Level
Cross Section

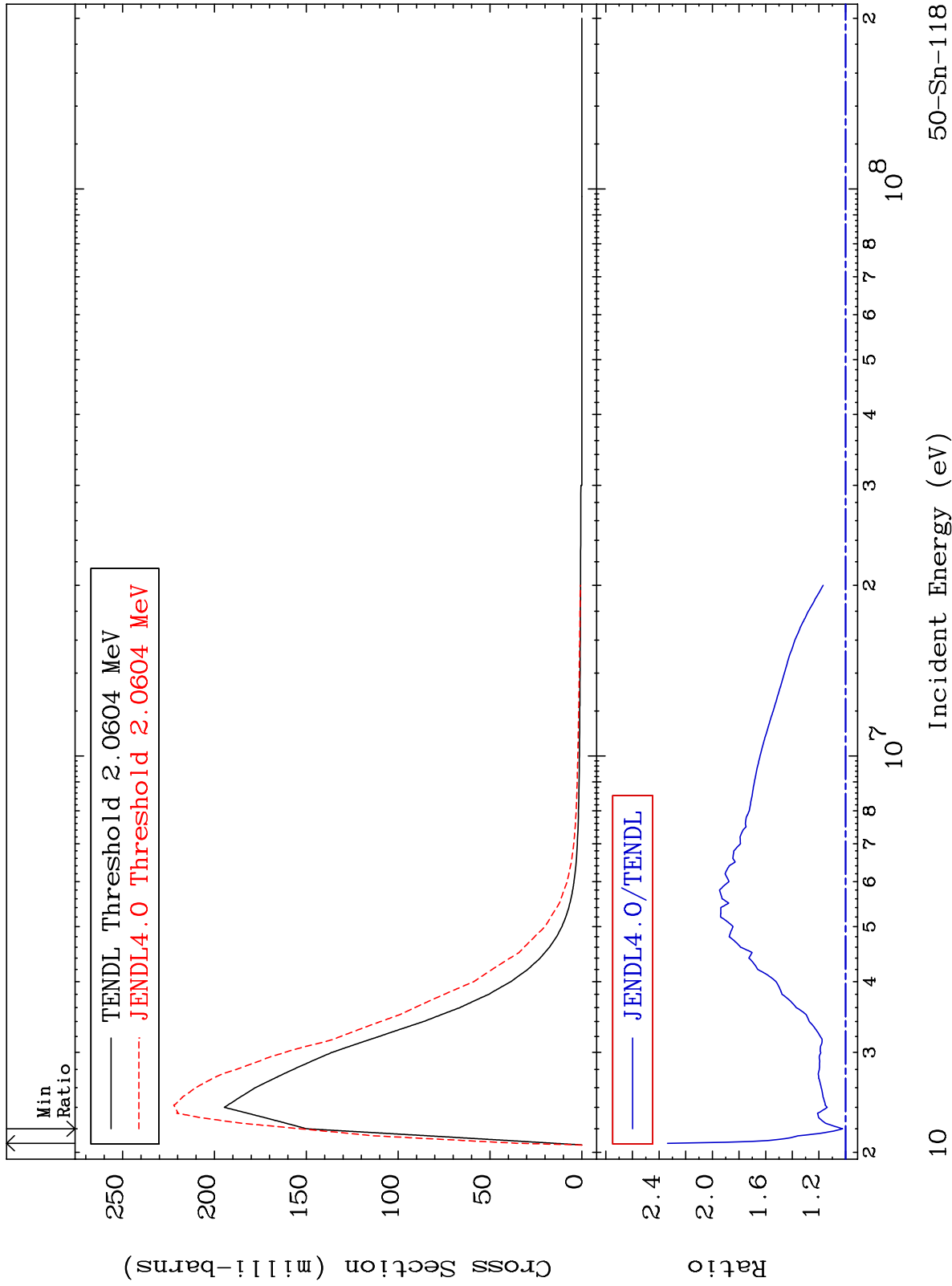
4.394 To 9999. %
50-Sn-118



MAT 5043

MT= 53 (n,n') Level
Cross Section

50-Sn-118
2.192 To 133.7 %



10

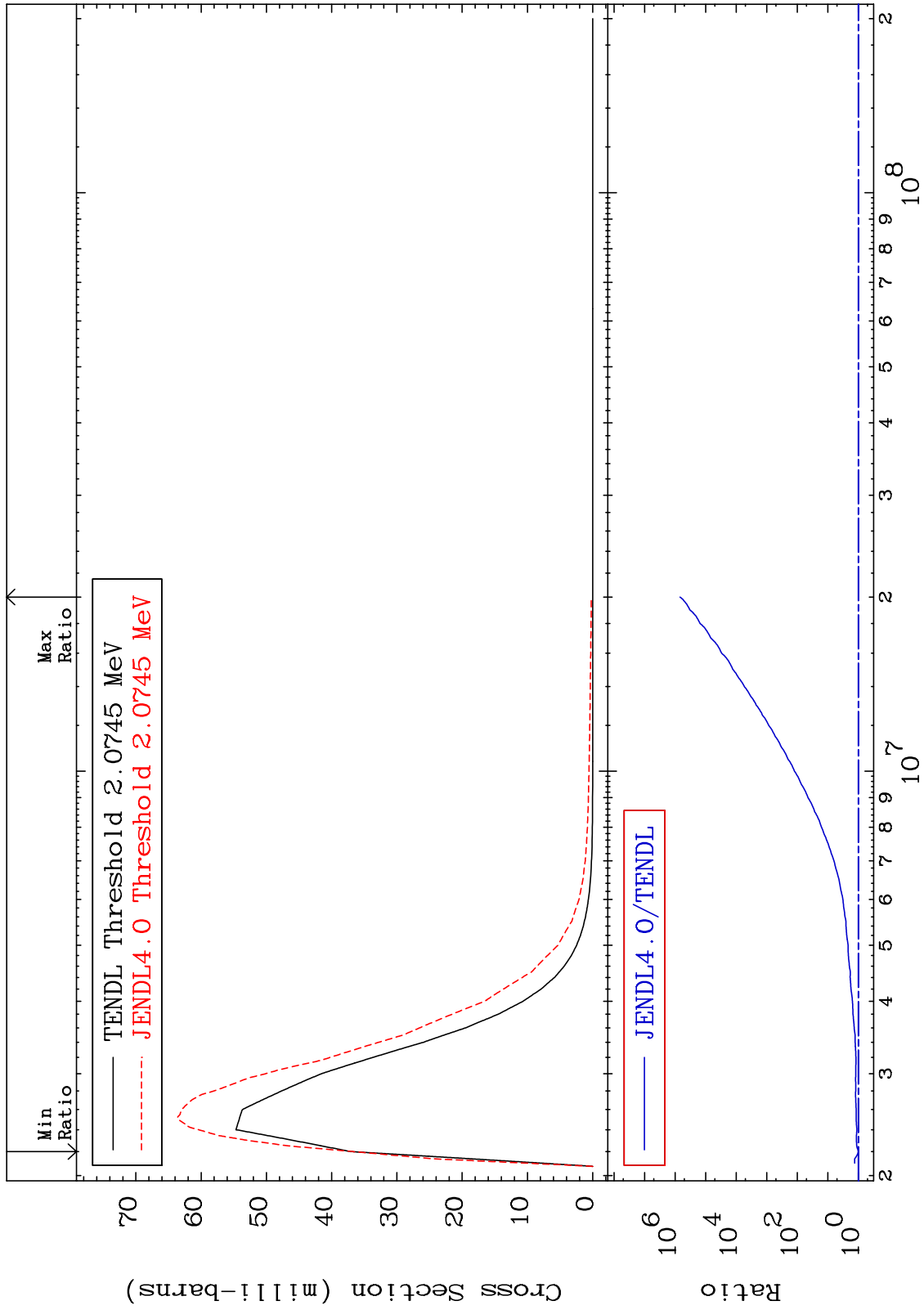
Incident Energy (eV)

50-Sn-118

MAT 5043

MT= 54 (n,n') Level
Cross Section

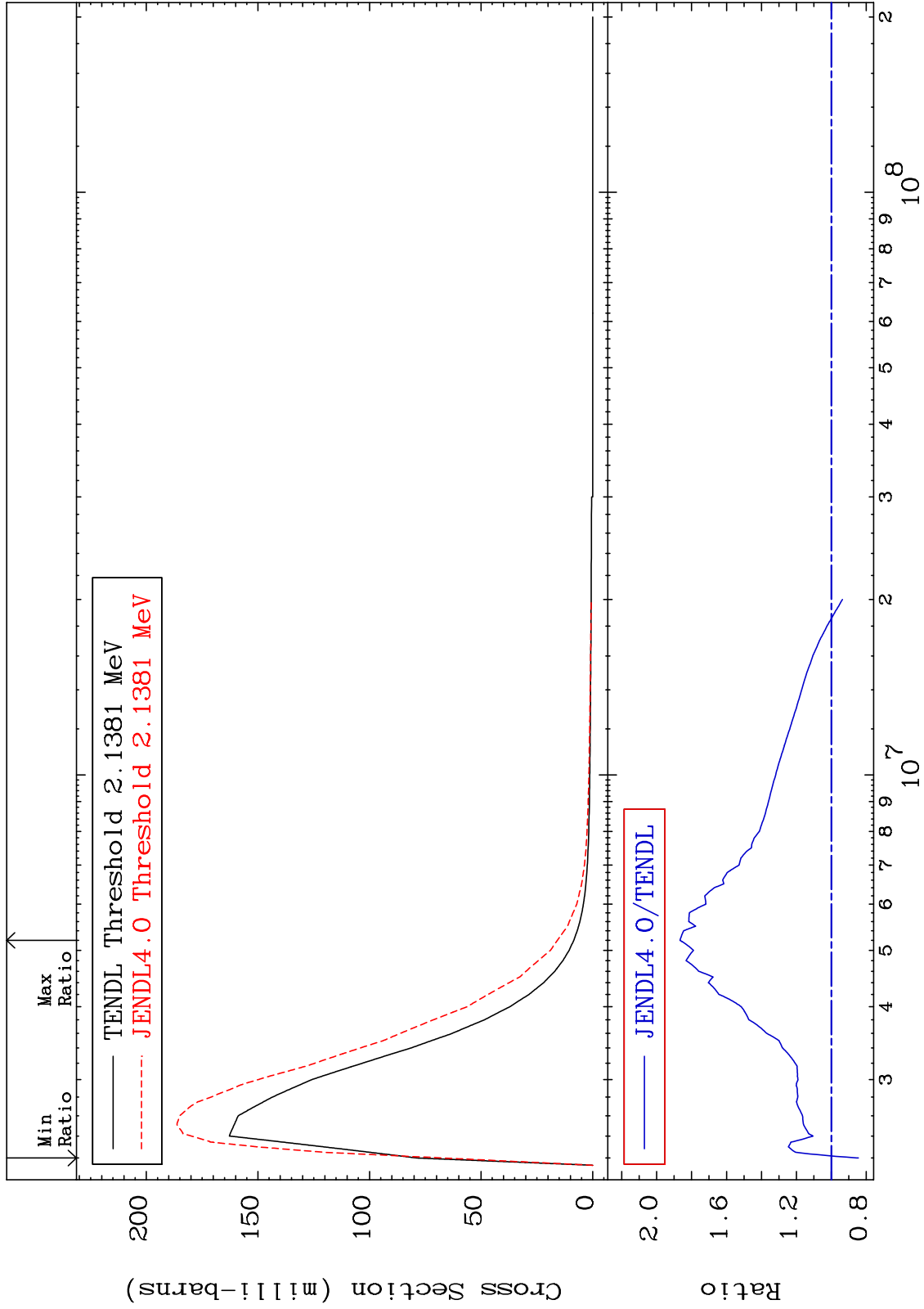
50-Sn-118
-1.085 To 9999. %



MAT 5043

MT= 55 (n,n') Level
Cross Section

50-Sn-118
-15.47 To 86.61 %



12

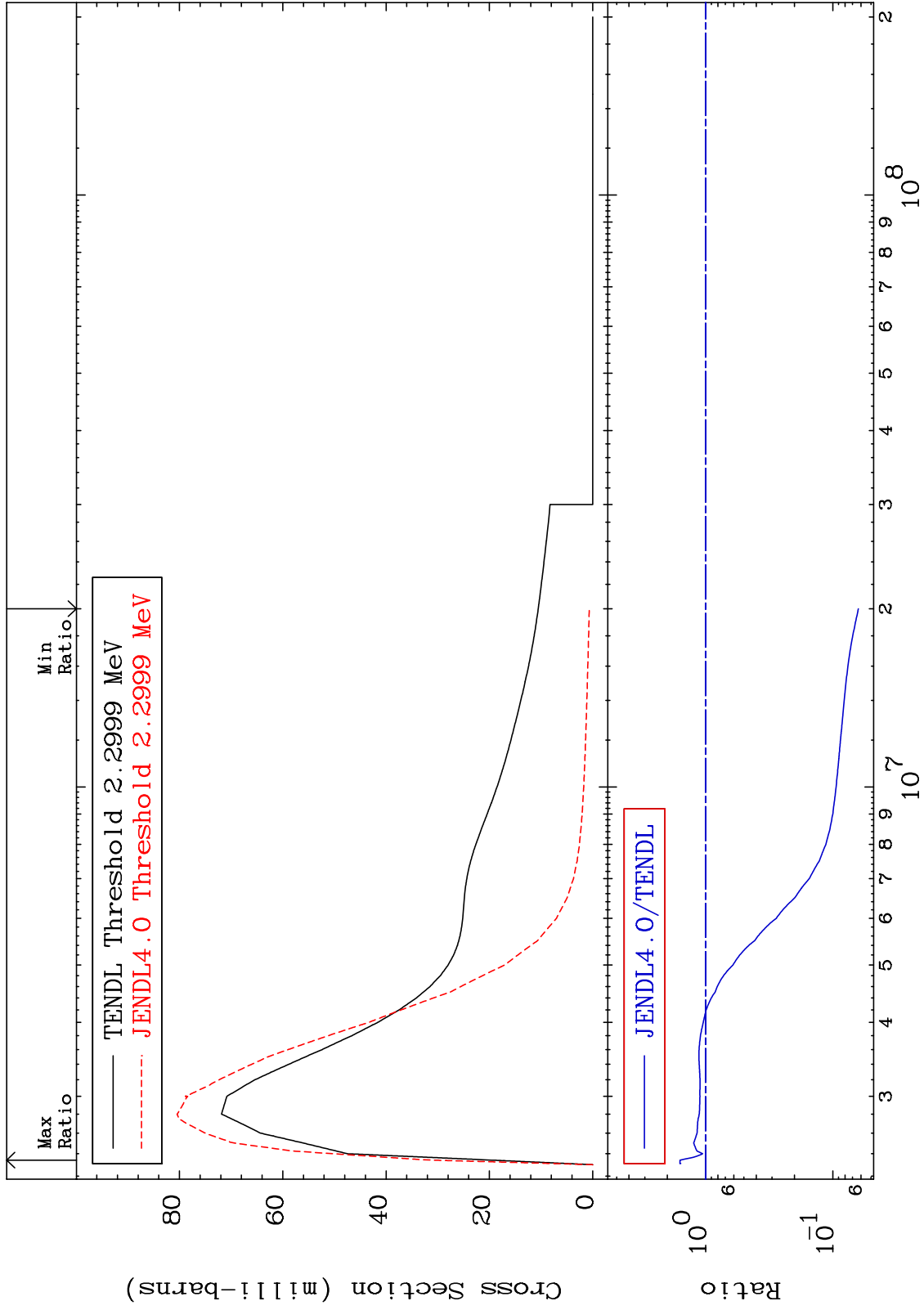
Incident Energy (eV)

50-Sn-118

MAT 5043

MT= 56 (n,n') Level
Cross Section

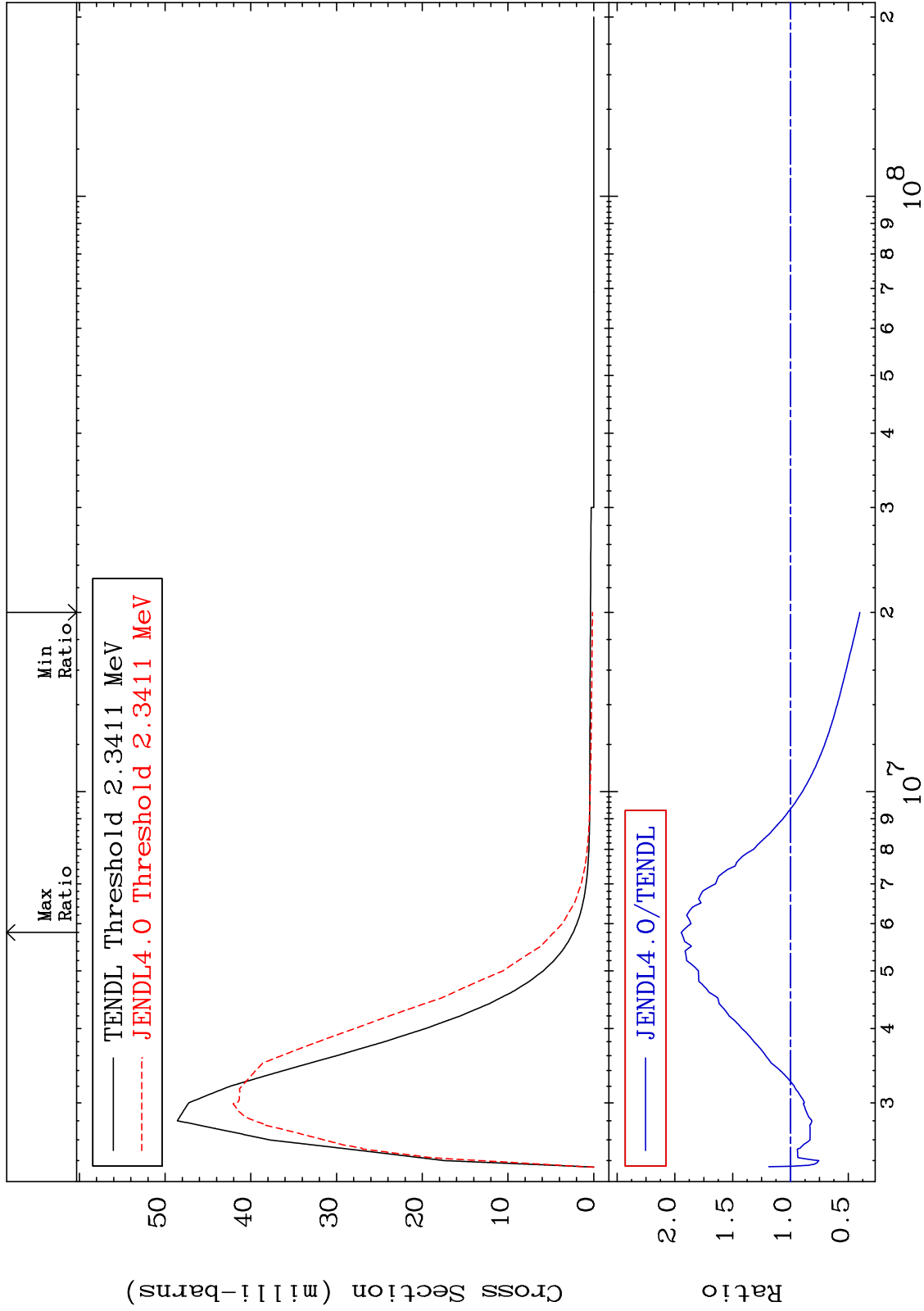
50-Sn-118
-93.71 To 58.84 %



MAT 5043

MT= 57 (n,n') Level
Cross Section

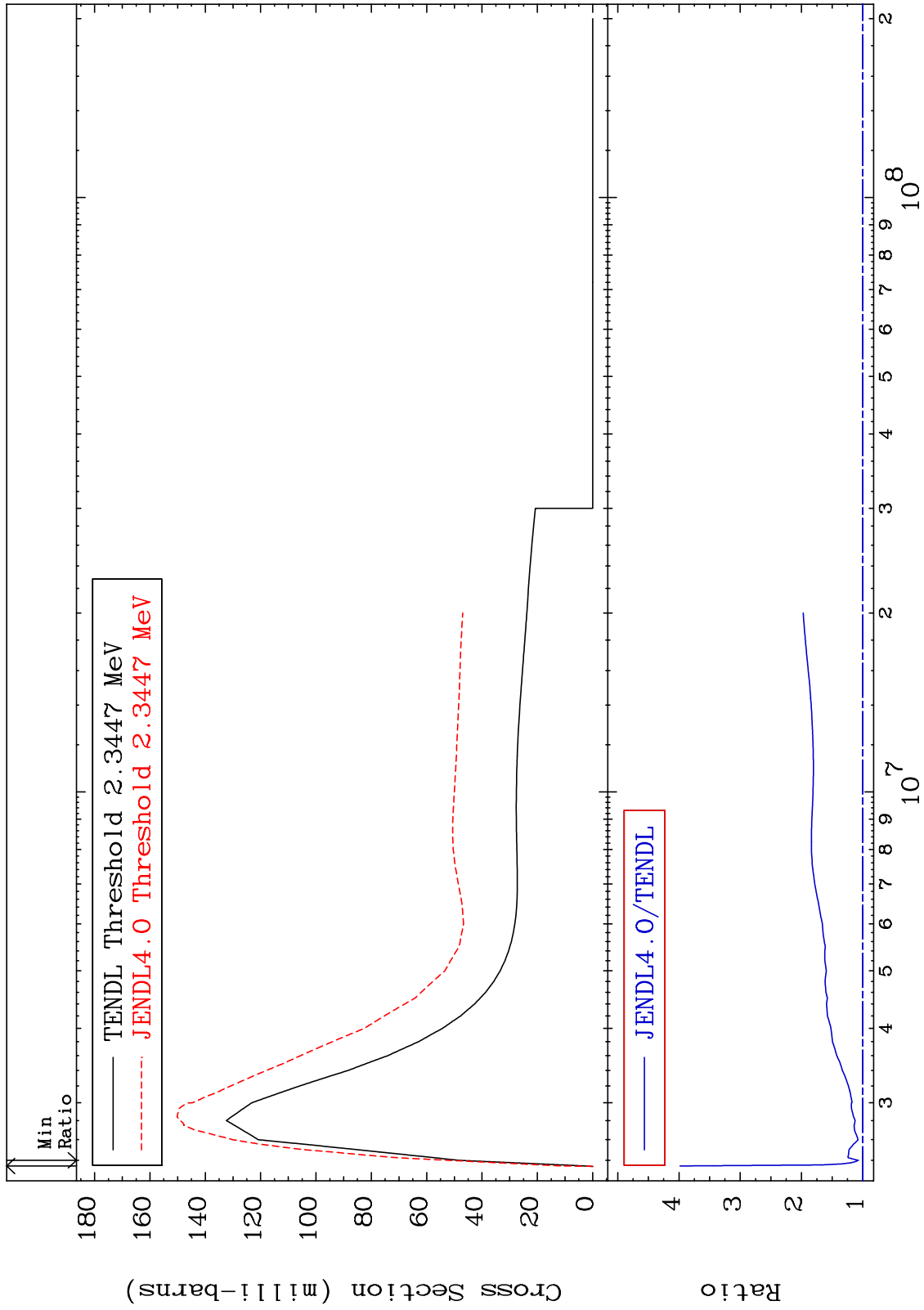
50-Sn-118
-60.00 To 94.51 %



MAT 5043

MT= 58 (n,n') Level
Cross Section

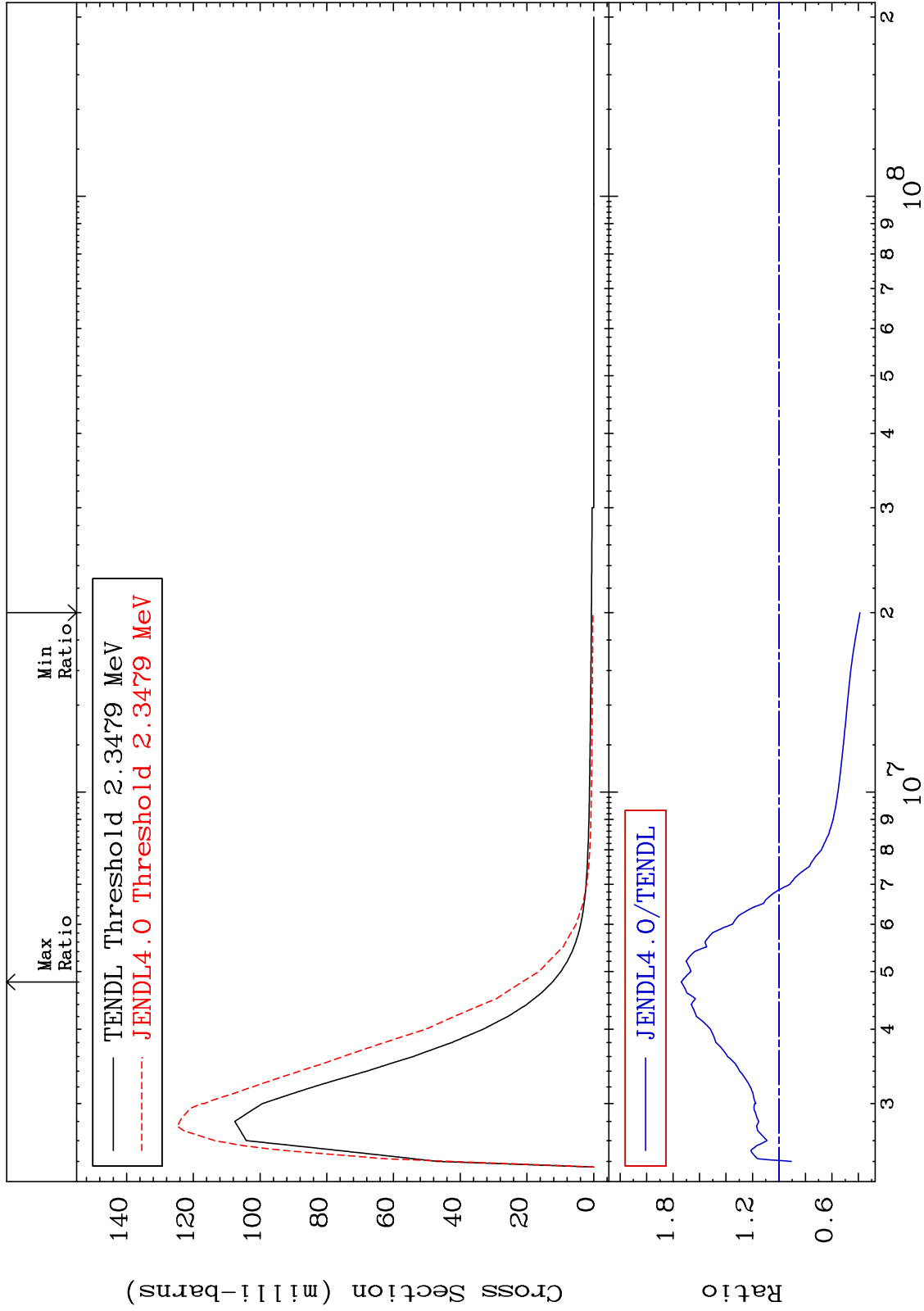
7.153 To 298.3 %
50-Sn-118



MAT 5043

MT= 59 (n,n') Level
Cross Section

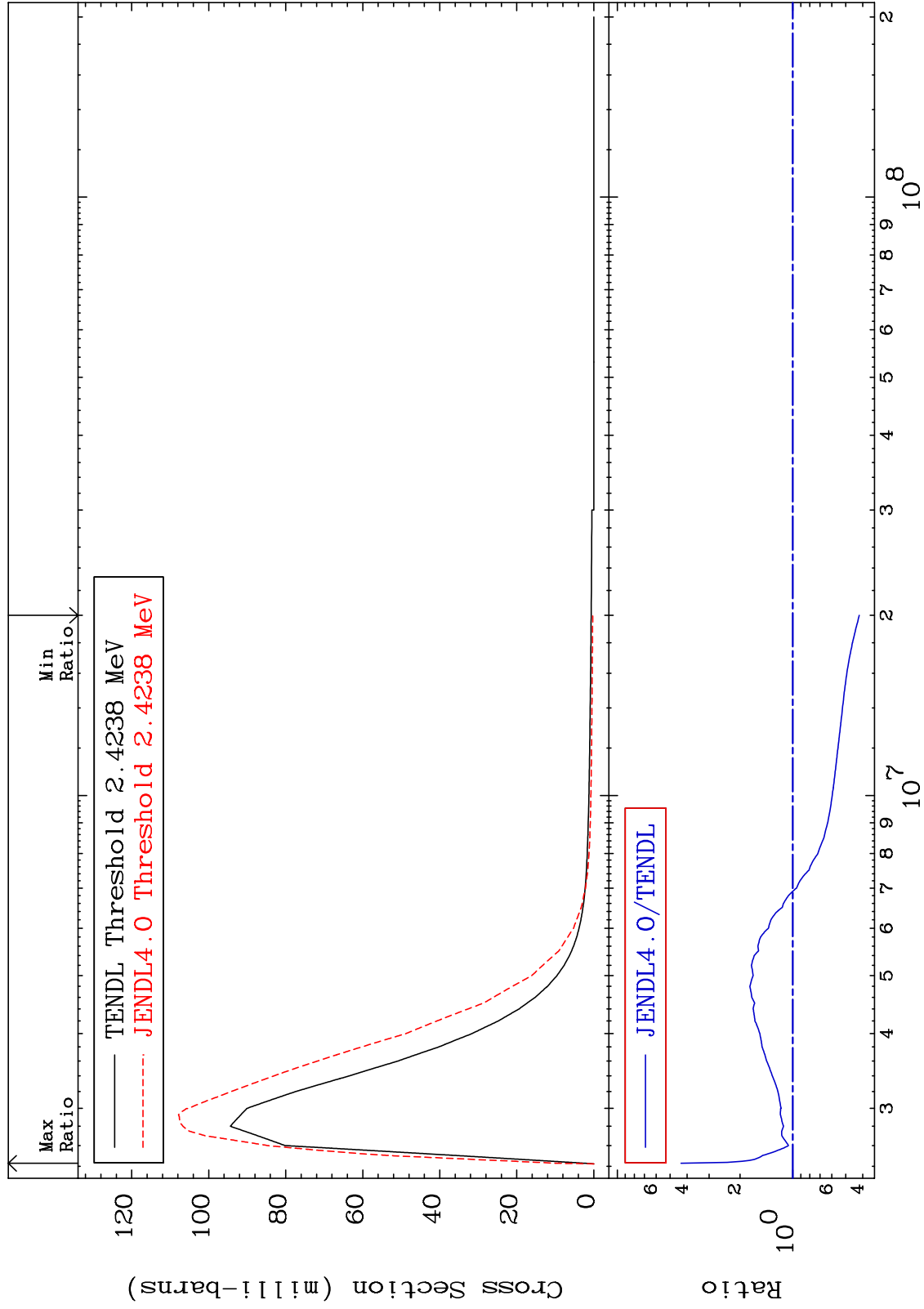
50-Sn-118
-61.16 To 73.87 %



MAT 5043

MT= 60 (n,n') Level
Cross Section

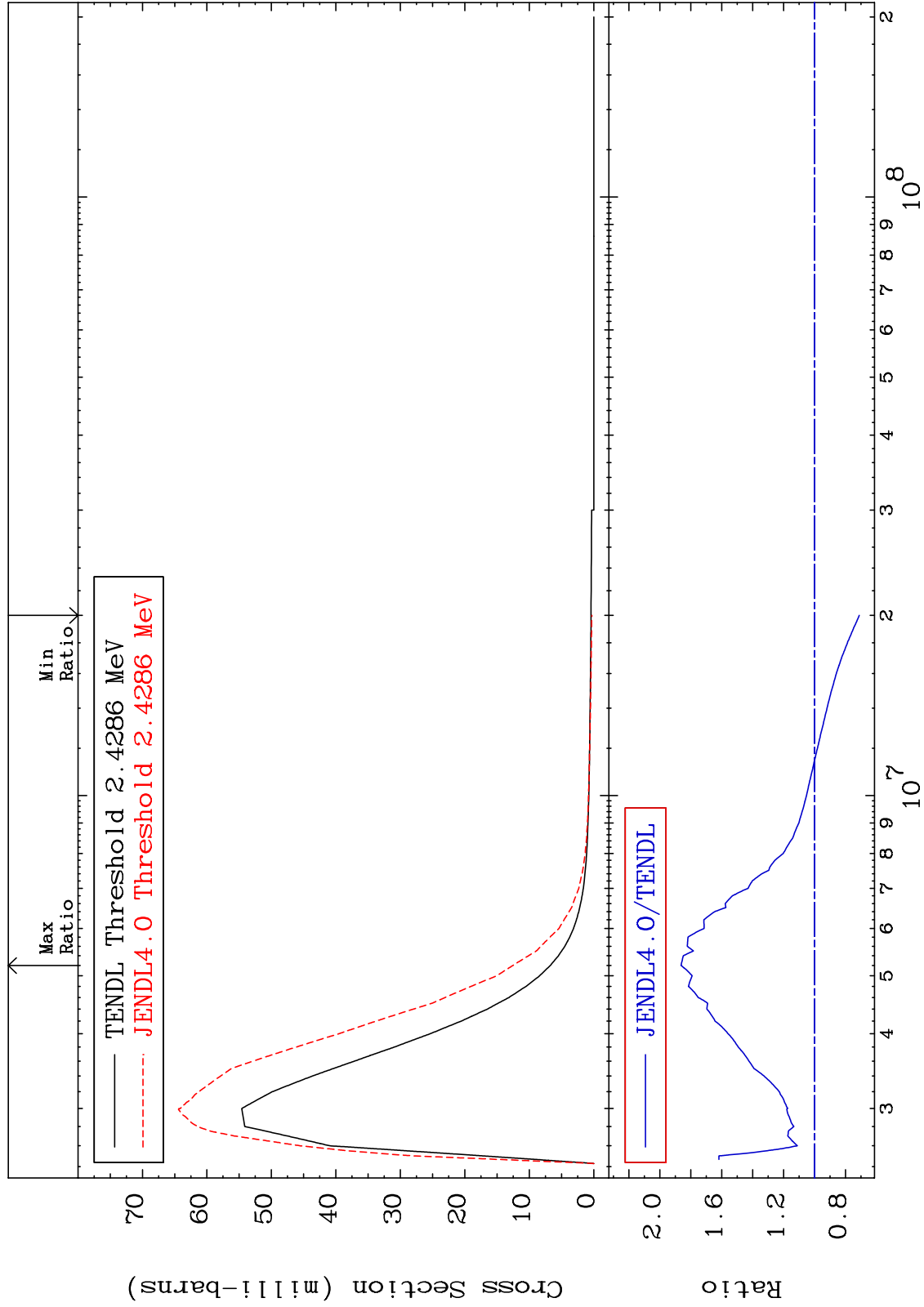
50-Sn-118
-58.14 To 333.2 %



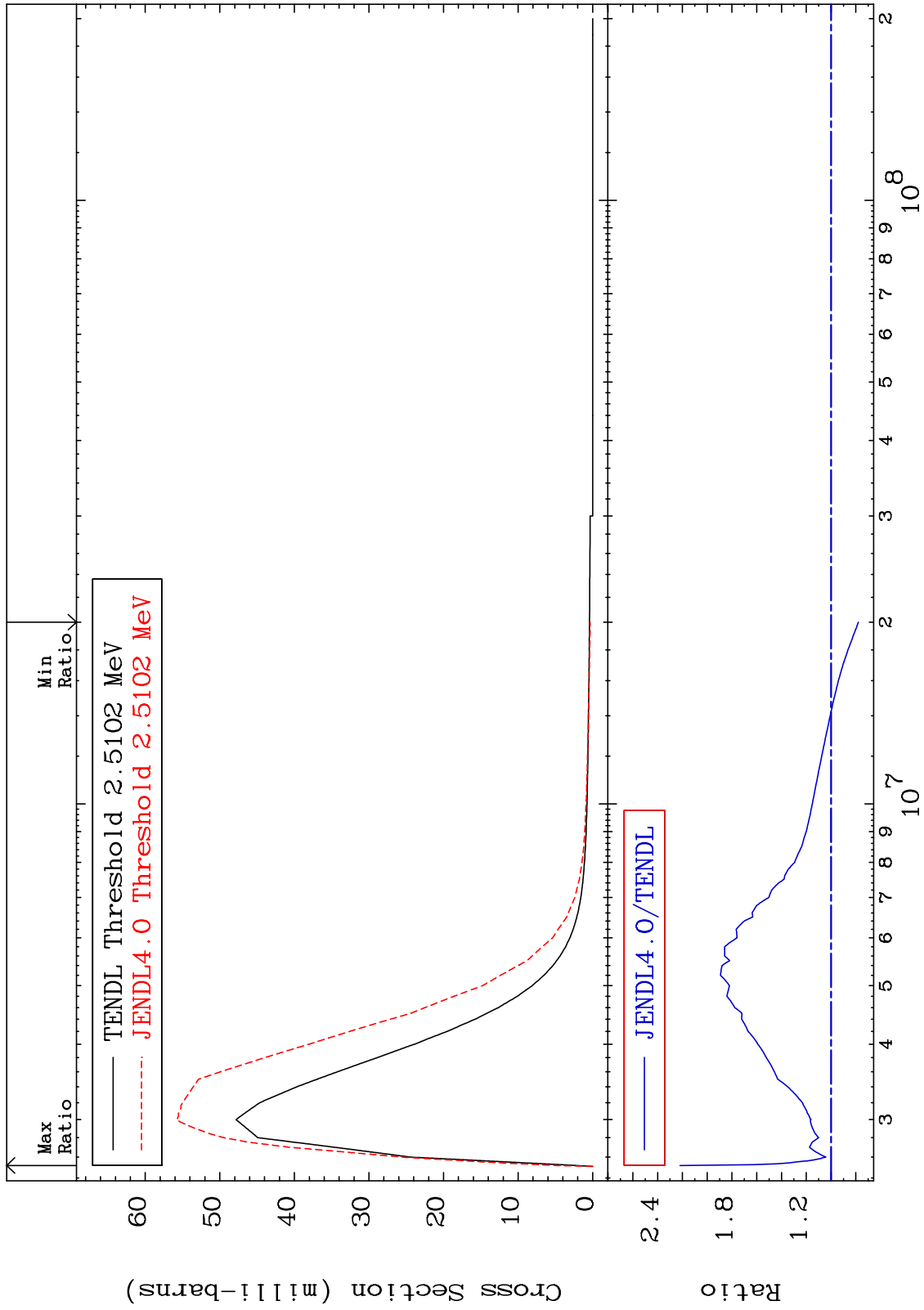
MAT 5043

MT= 61 (n,n') Level
Cross Section

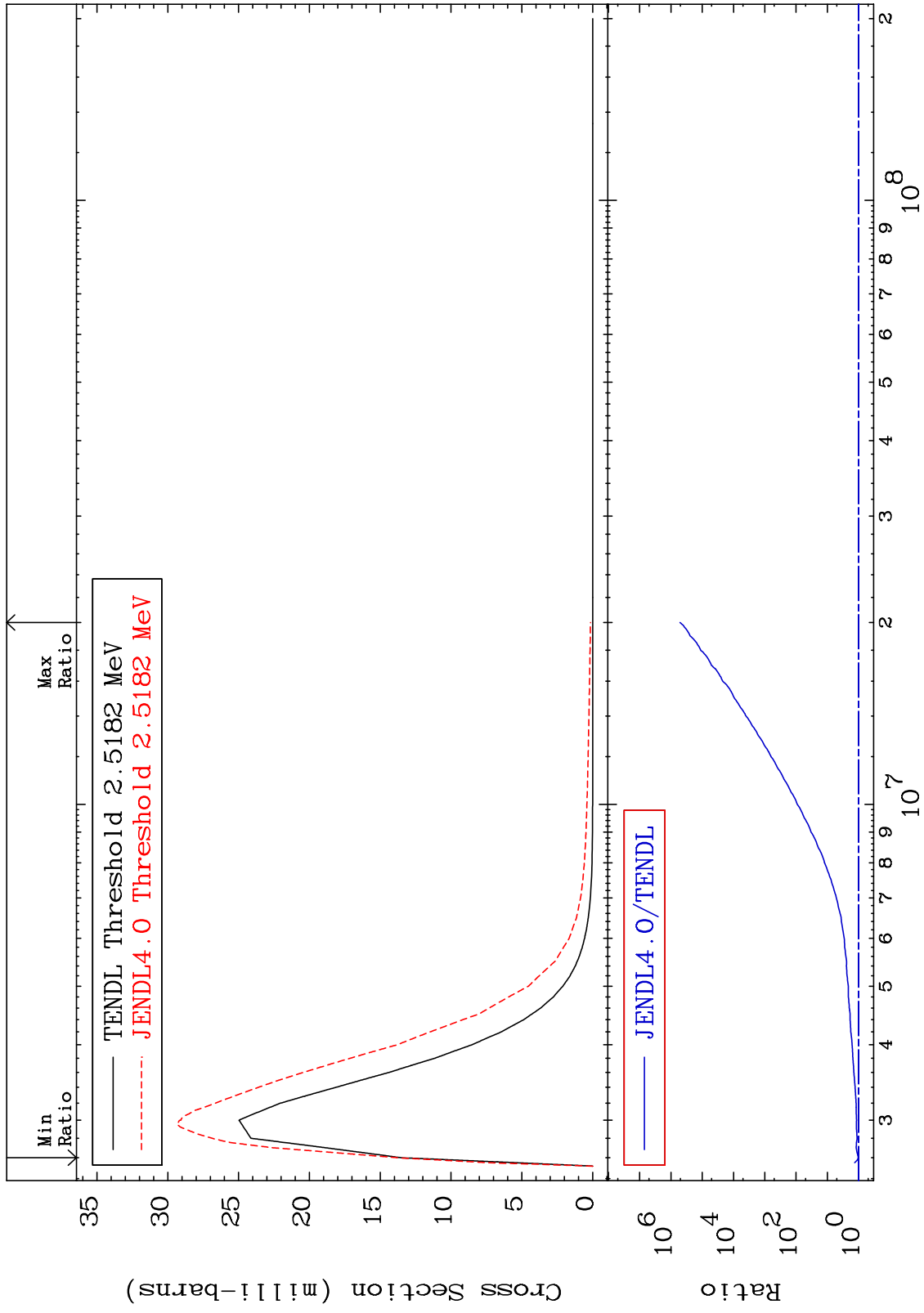
50-Sn-118
-28.83 To 86.27 %



MAT 5043 MT= 62 (n,n') Level Cross Section 50-Sn-118 -22.08 To 121.9 %



MAT 5043 MT= 63 (n,n') Level Cross Section 50-Sn-118 To 9999. %
1.843

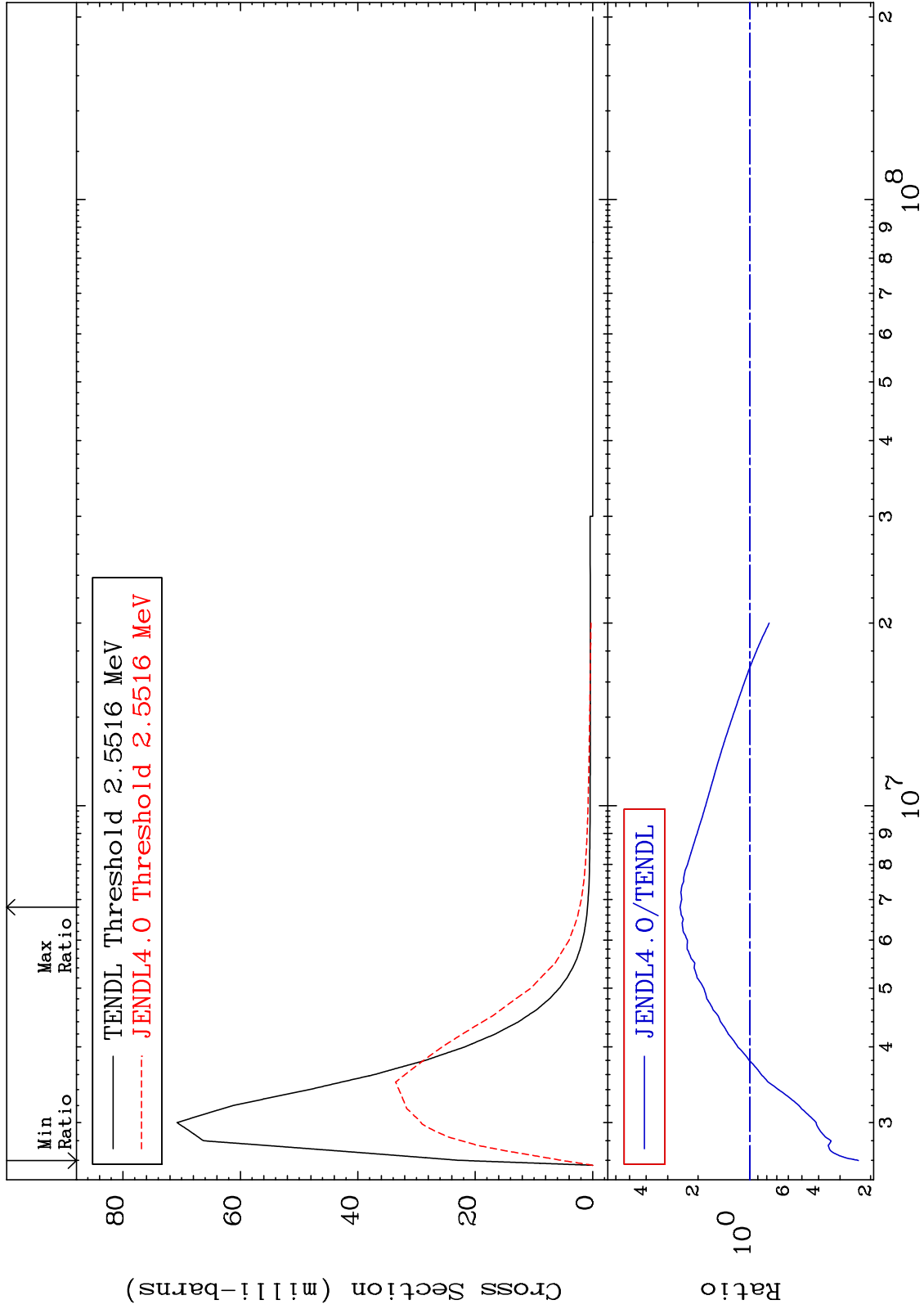


20 Incident Energy (eV) 50-Sn-118

MAT 5043

MT= 64 (n,n') Level
Cross Section

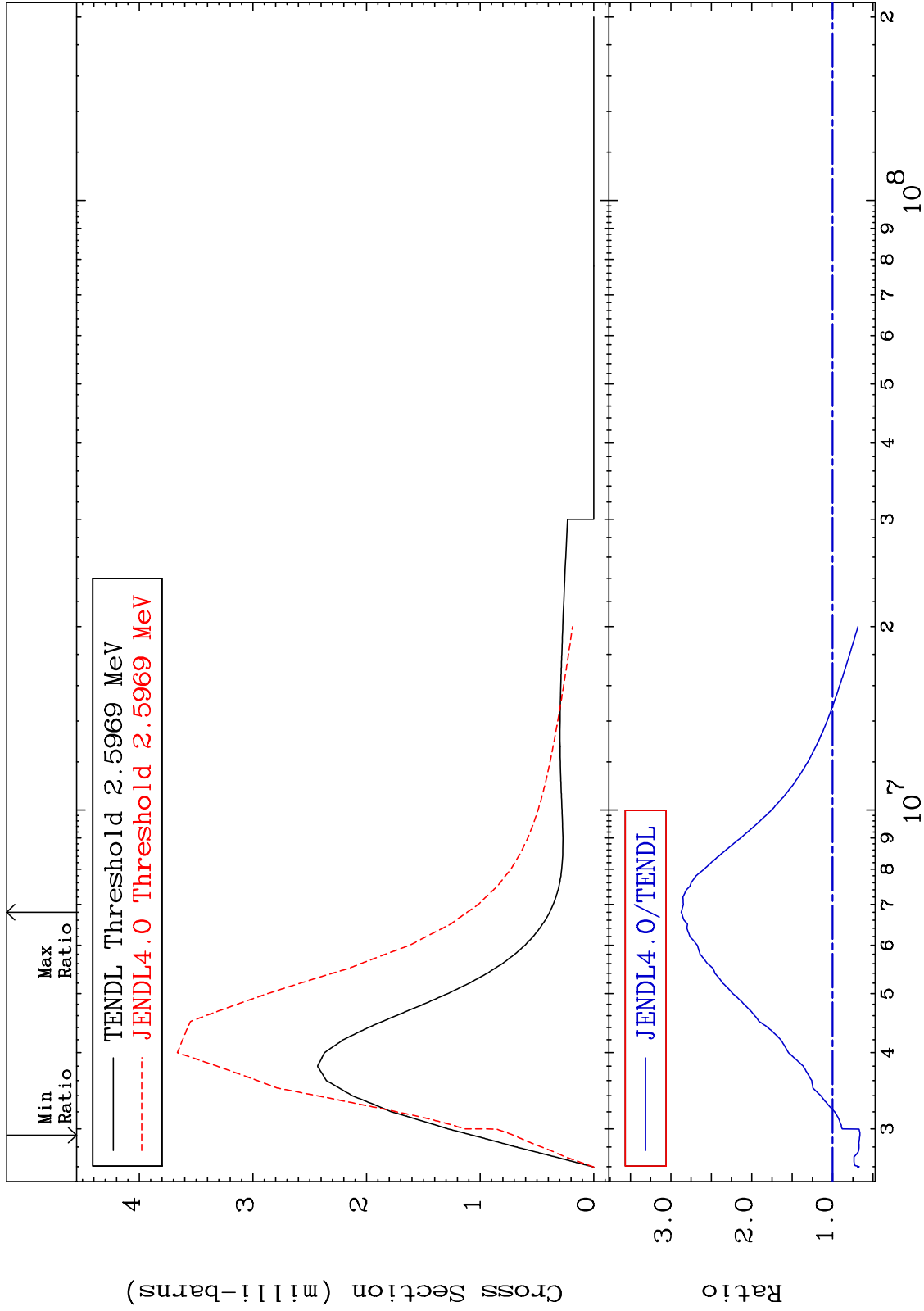
50-Sn-118
-76.49 To 154.6 %



MAT 5043

MT= 65 (n,n') Level
Cross Section

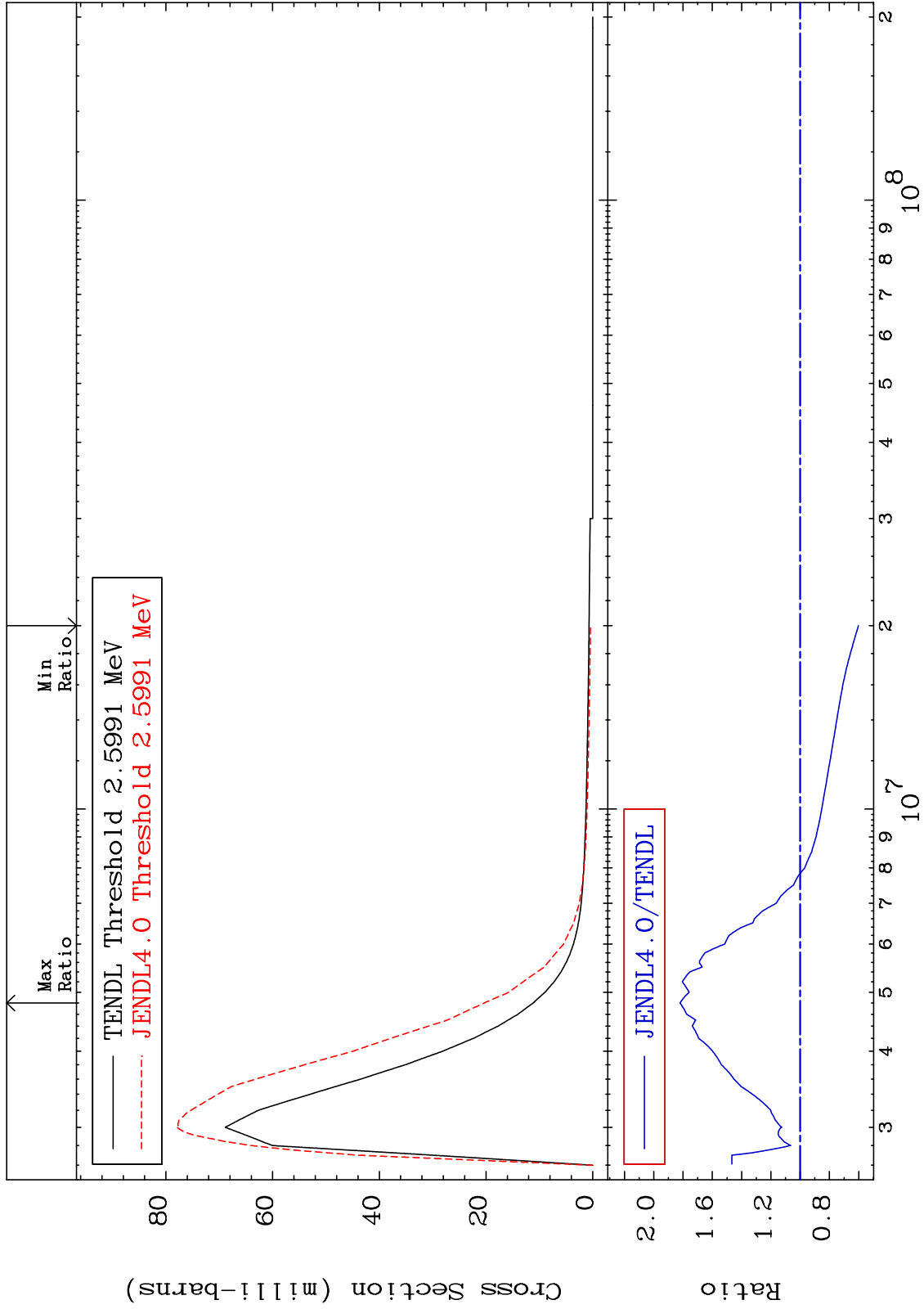
50-Sn-118
-33.79 To 187.2 %



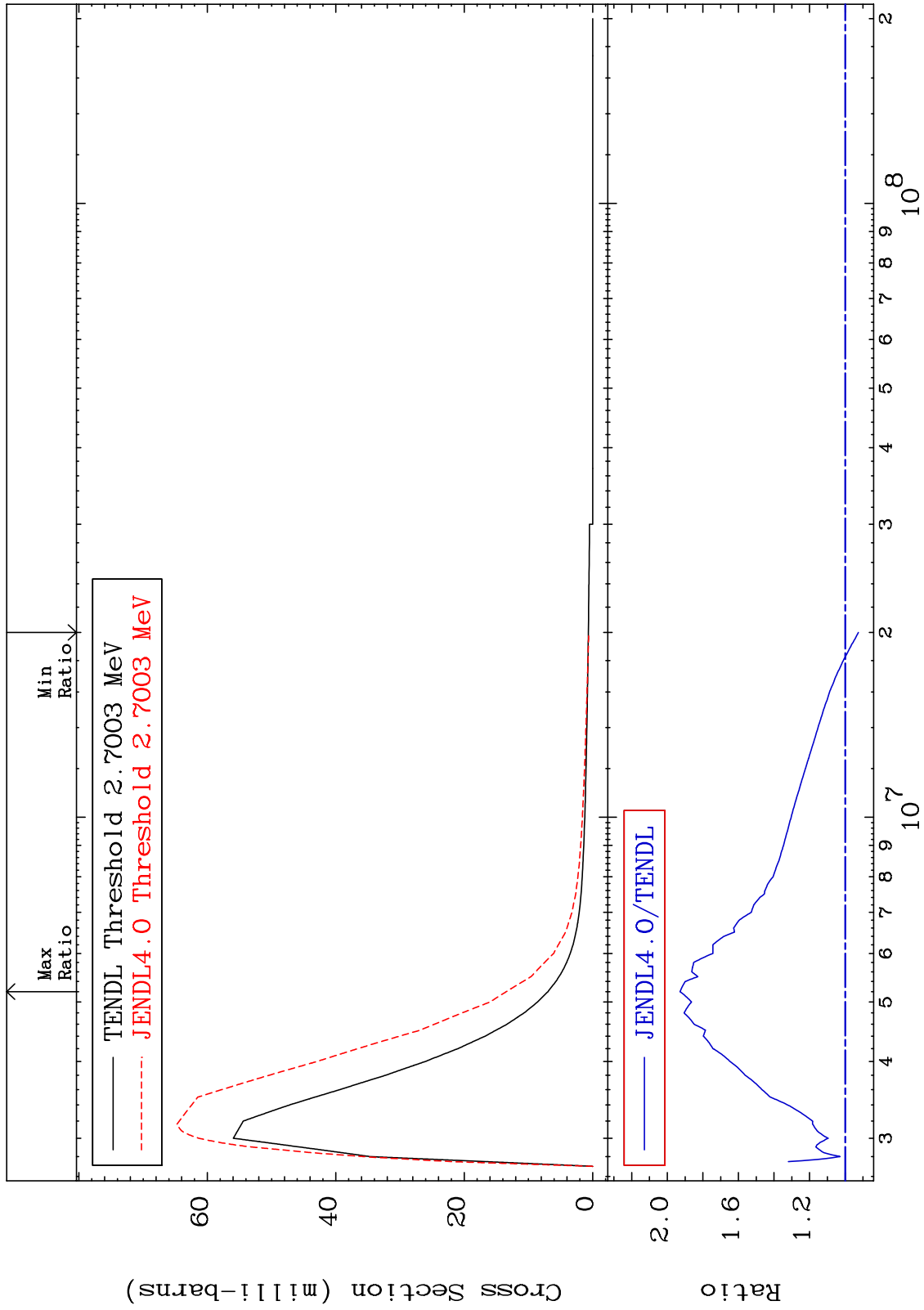
MAT 5043

MT= 66 (n,n') Level
Cross Section

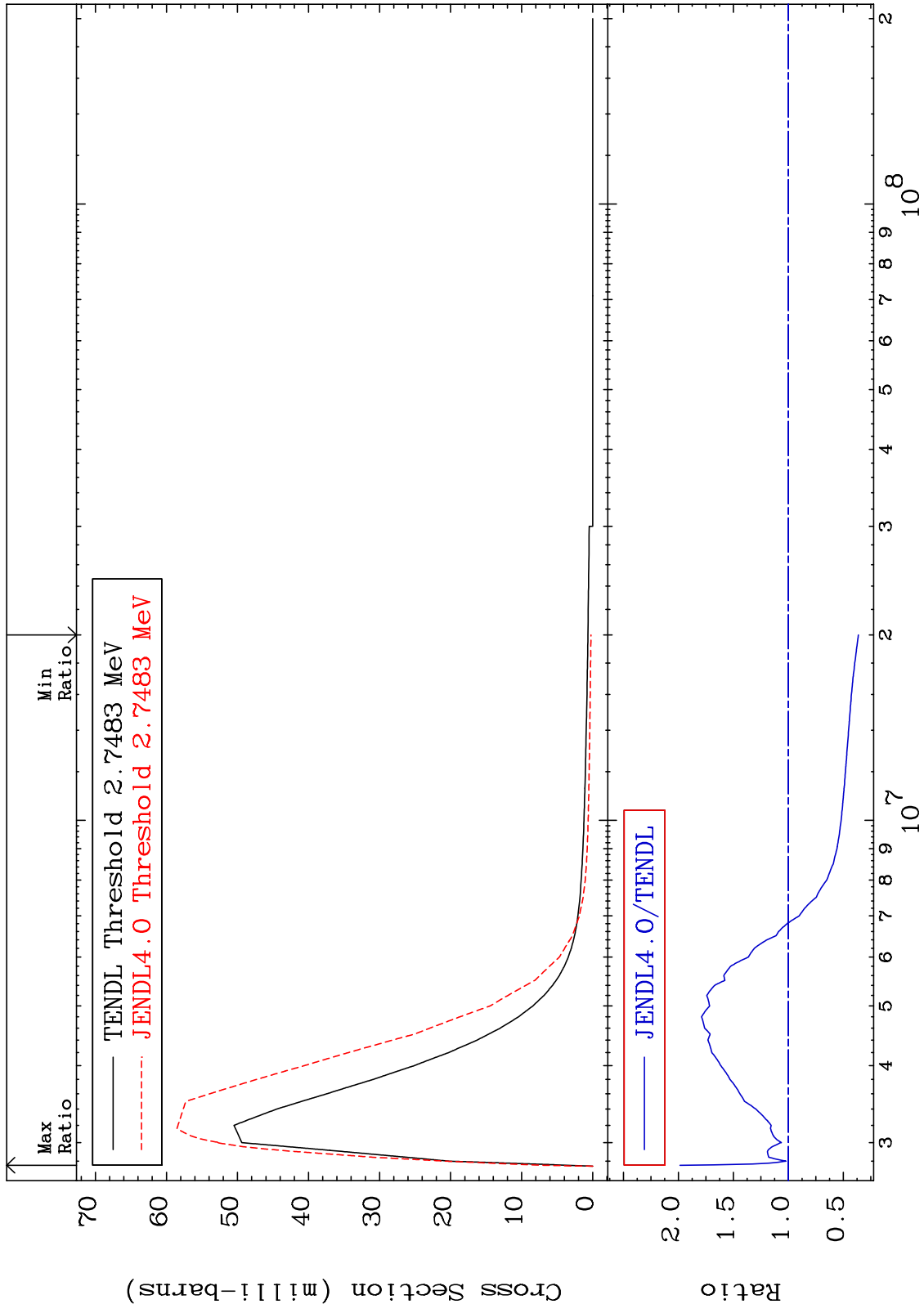
50-Sn-118
-39.78 To 82.06 %



MAT 5043 MT= 67 (n,n') Level
Cross Section 50-Sn-118
-7.443 To 92.85 %



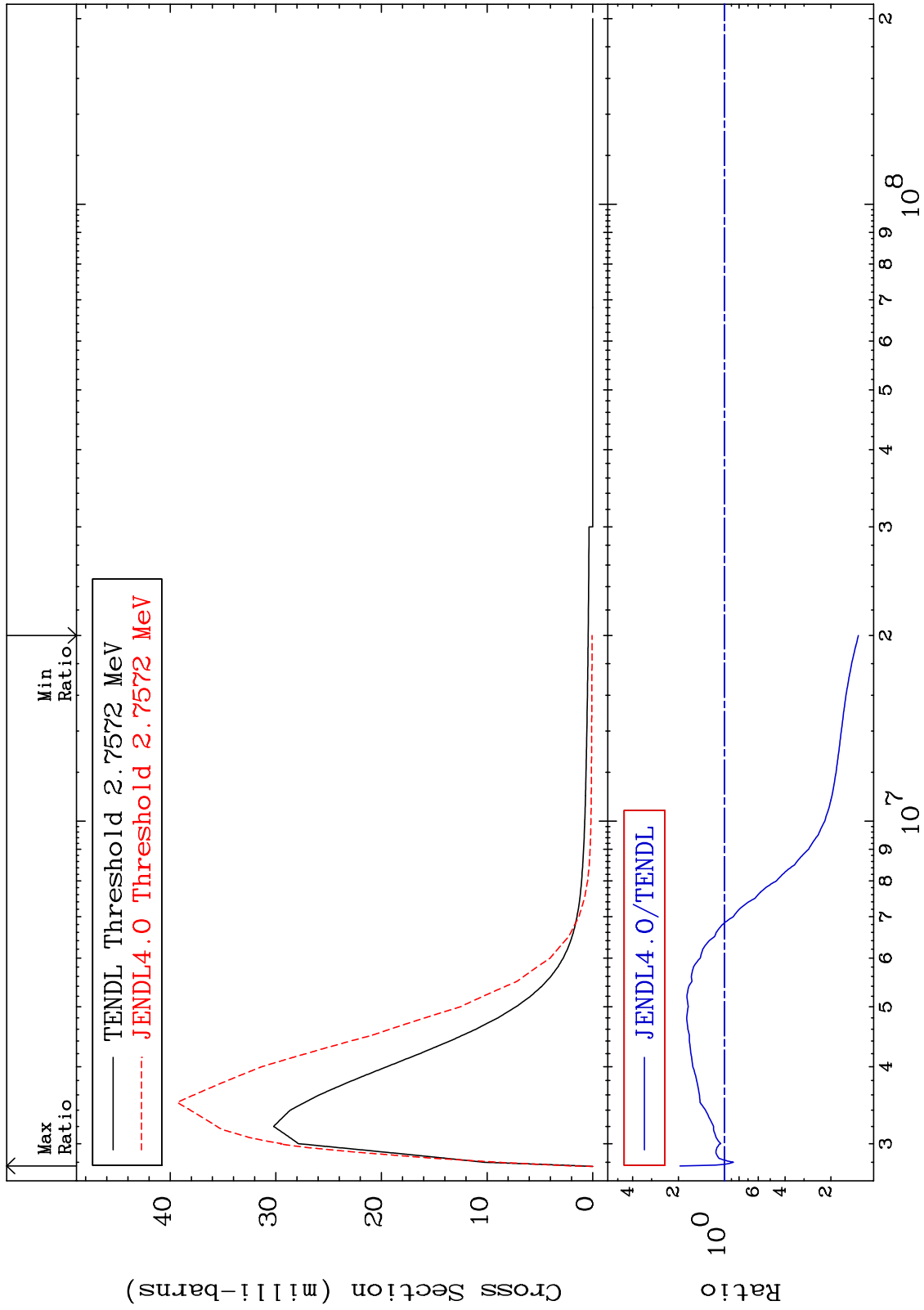
MAT 5043 MT= 68 (n,n') Level Cross Section 50-Sn-118 -63.69 To 98.52 %



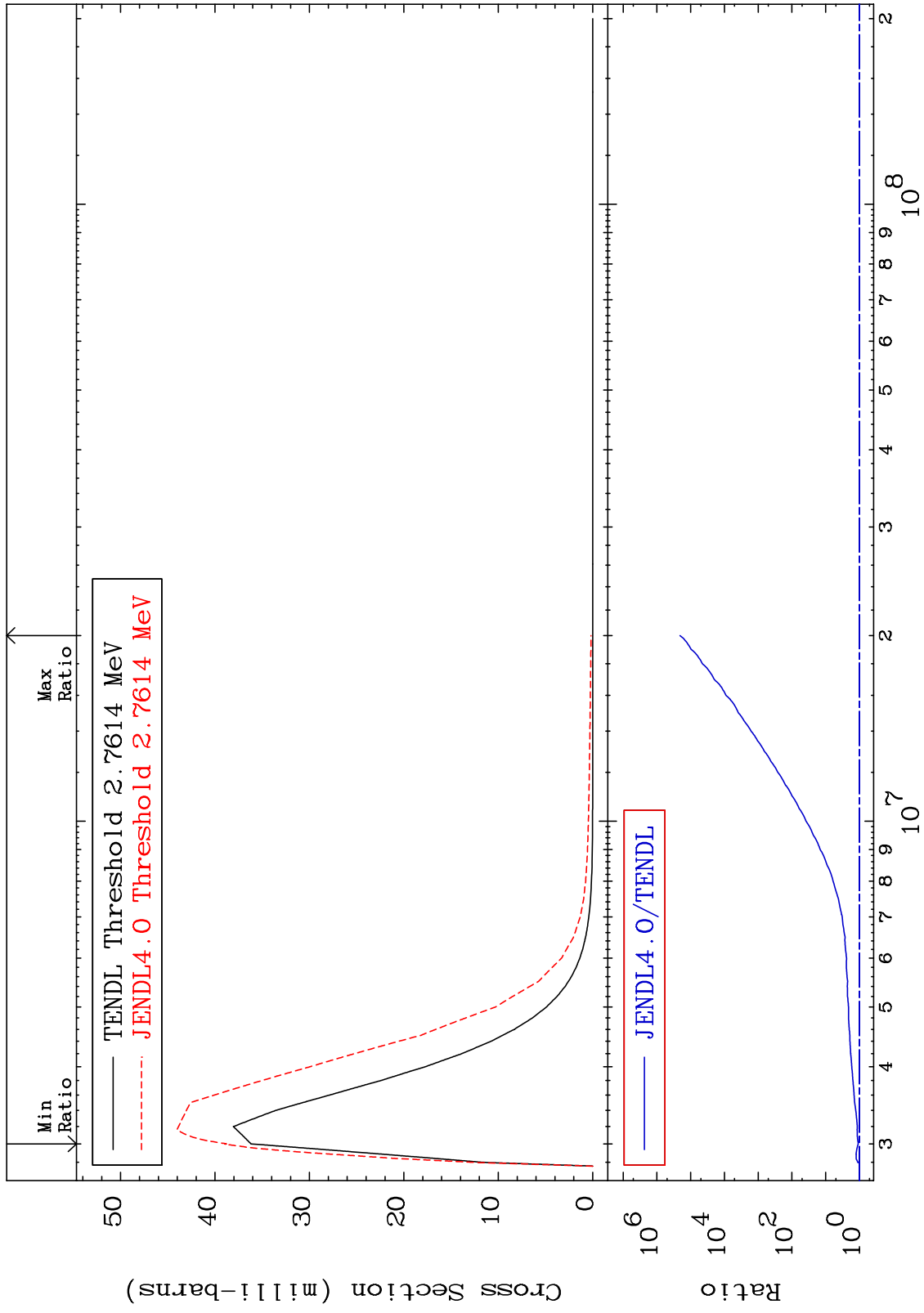
MAT 5043

MT= 69 (n,n') Level
Cross Section

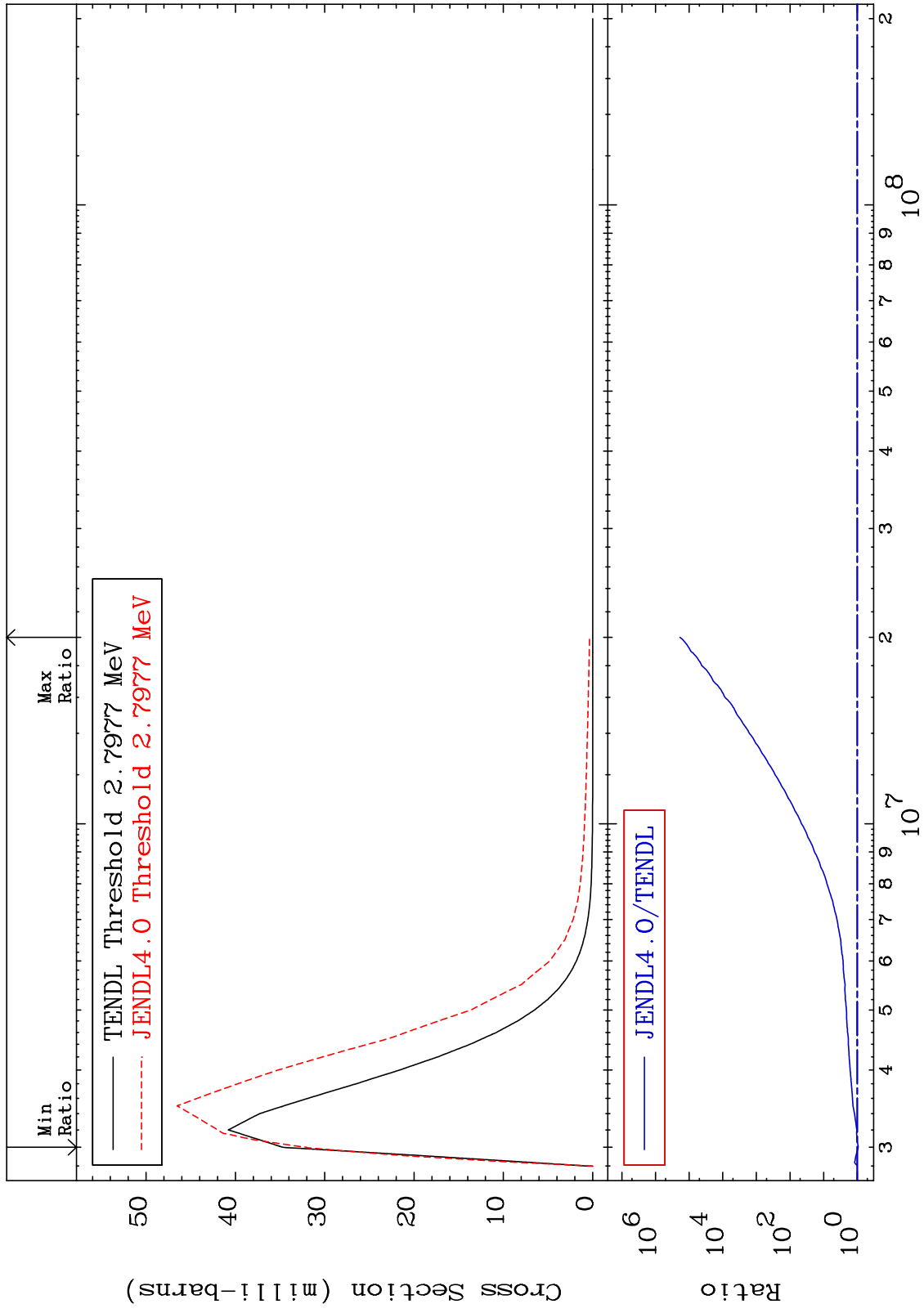
50-Sn-118
-86.79 To 95.42 %



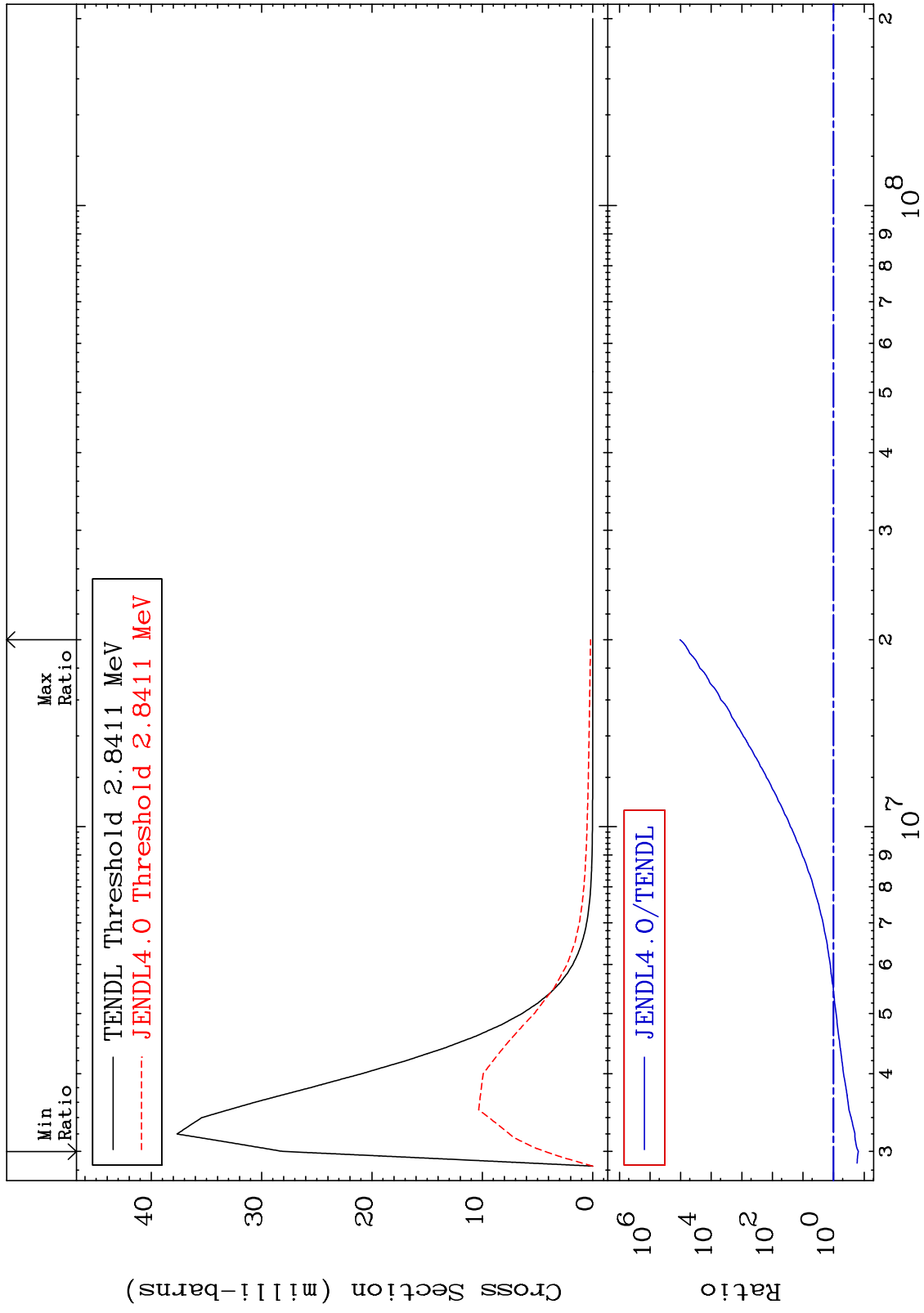
MAT 5043 MT= 70 (n,n') Level Cross Section 50-Sn-118 To 9999. %
 7.145



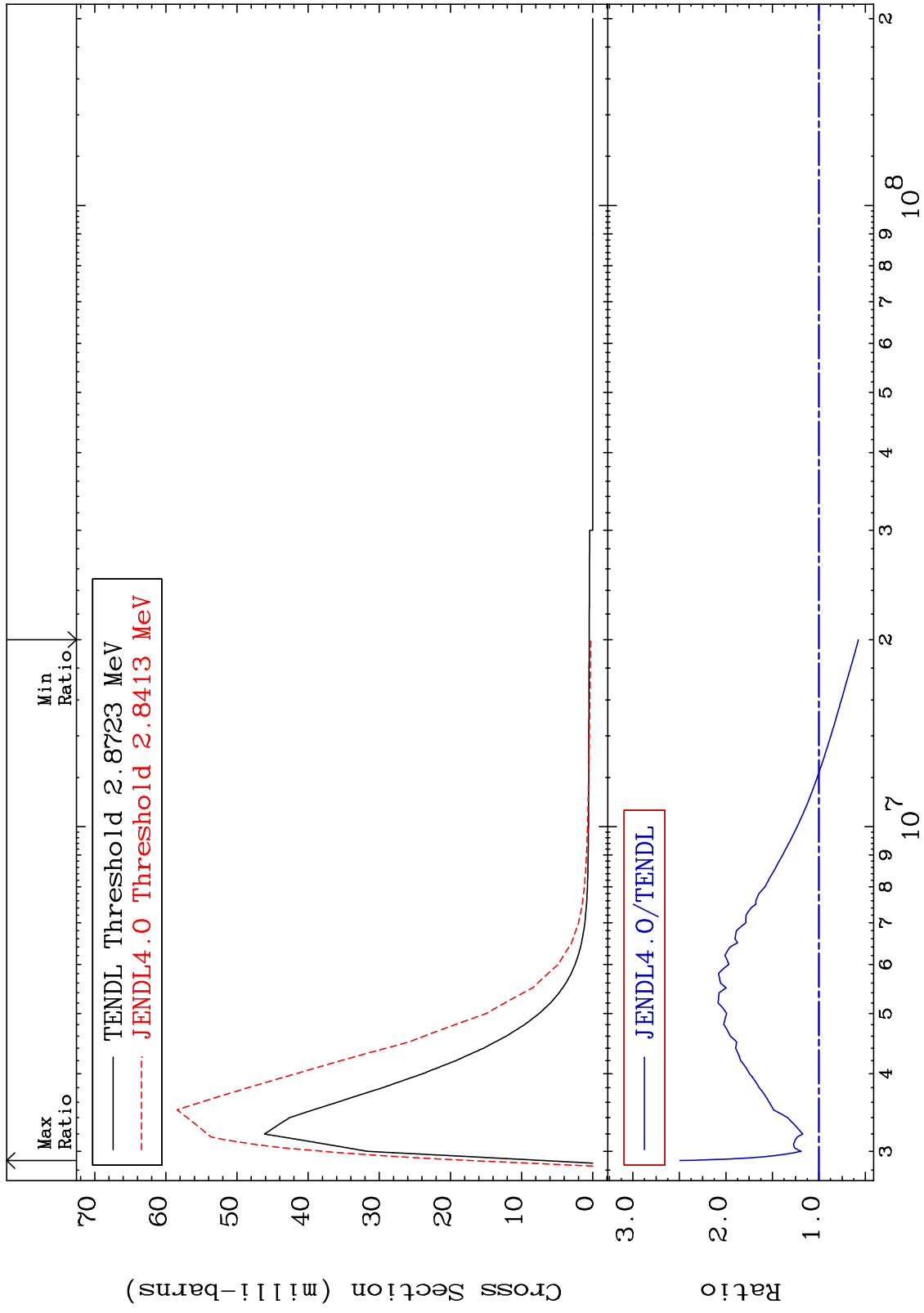
MAT 5043 MT= 71 (n,n') Level 50-Sn-118
 Cross Section -7.693 To 9999. %



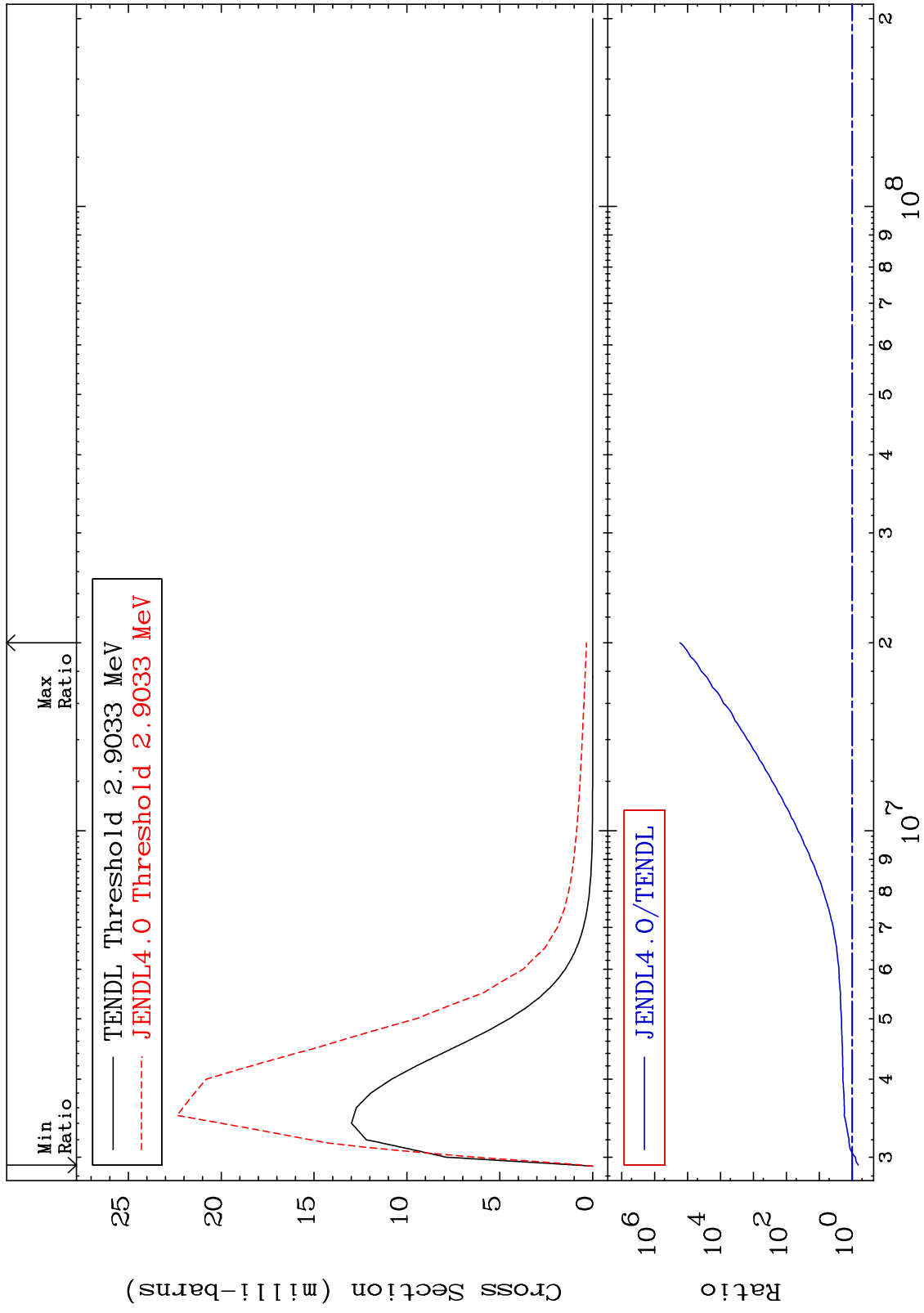
MAT 5043 MT= 72 (n,n') Level Cross Section 50-Sn-118
 -84.60 To 9999. %



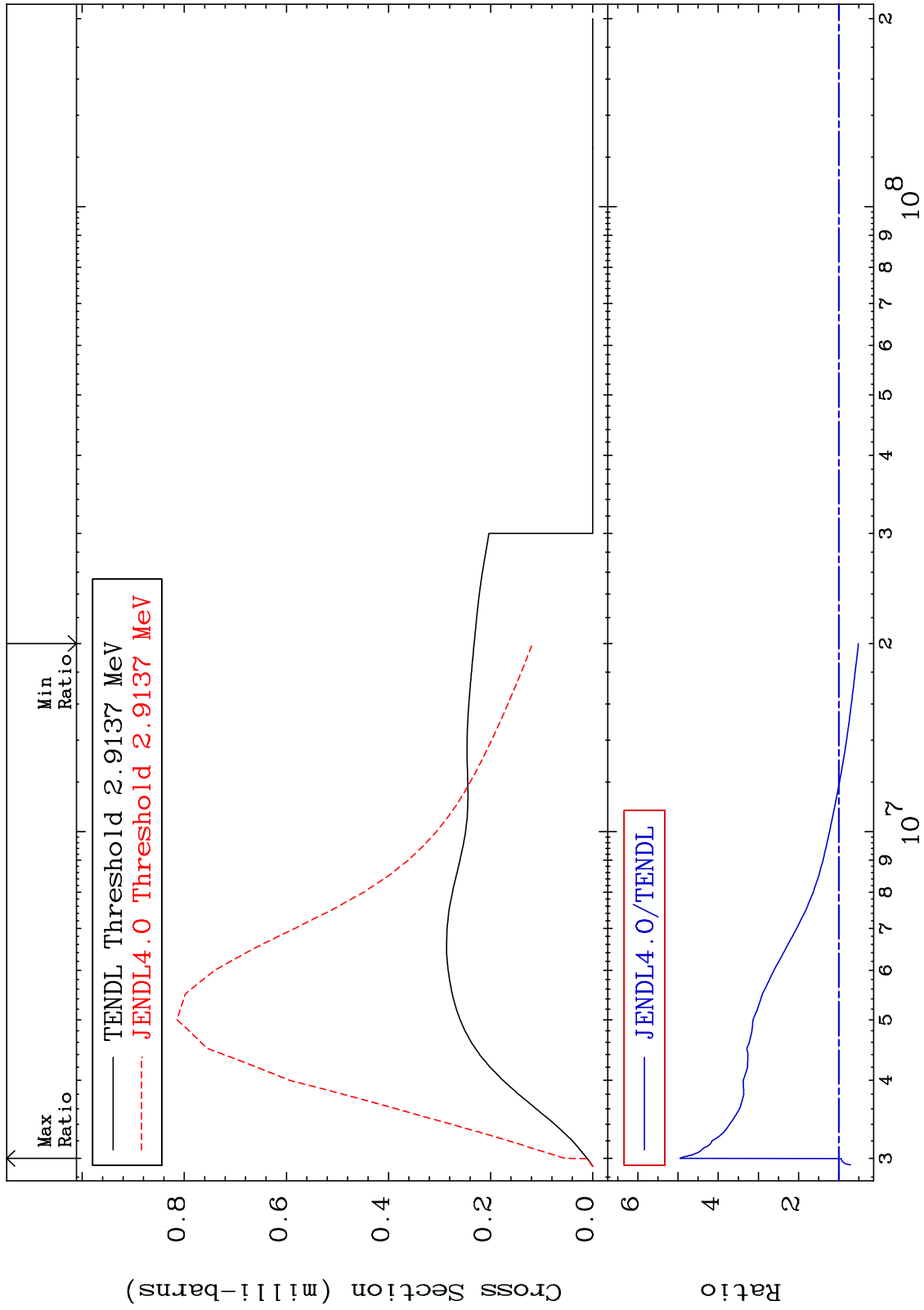
MAT 5043 MT= 73 (n,n') Level Cross Section 50-Sn-118 -42.47 To 149.3 %



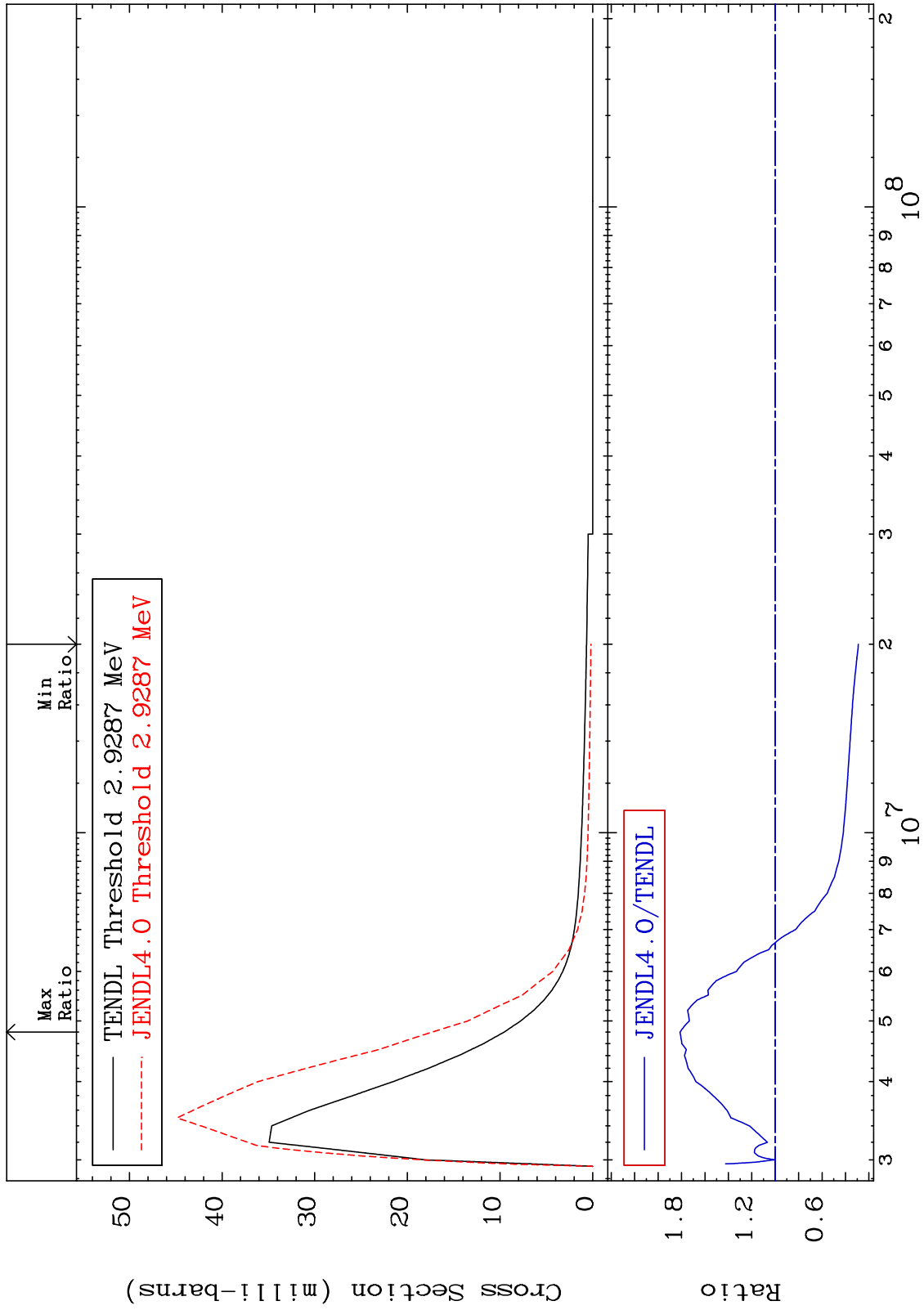
MAT 5043 MT= 74 (n,n') Level Cross Section 50-Sn-118
 -35.15 To 9999. %



MAT 5043 MT= 75 (n,n') Level 50-Sn-118
 Cross Section -49.14 To 395.2 %



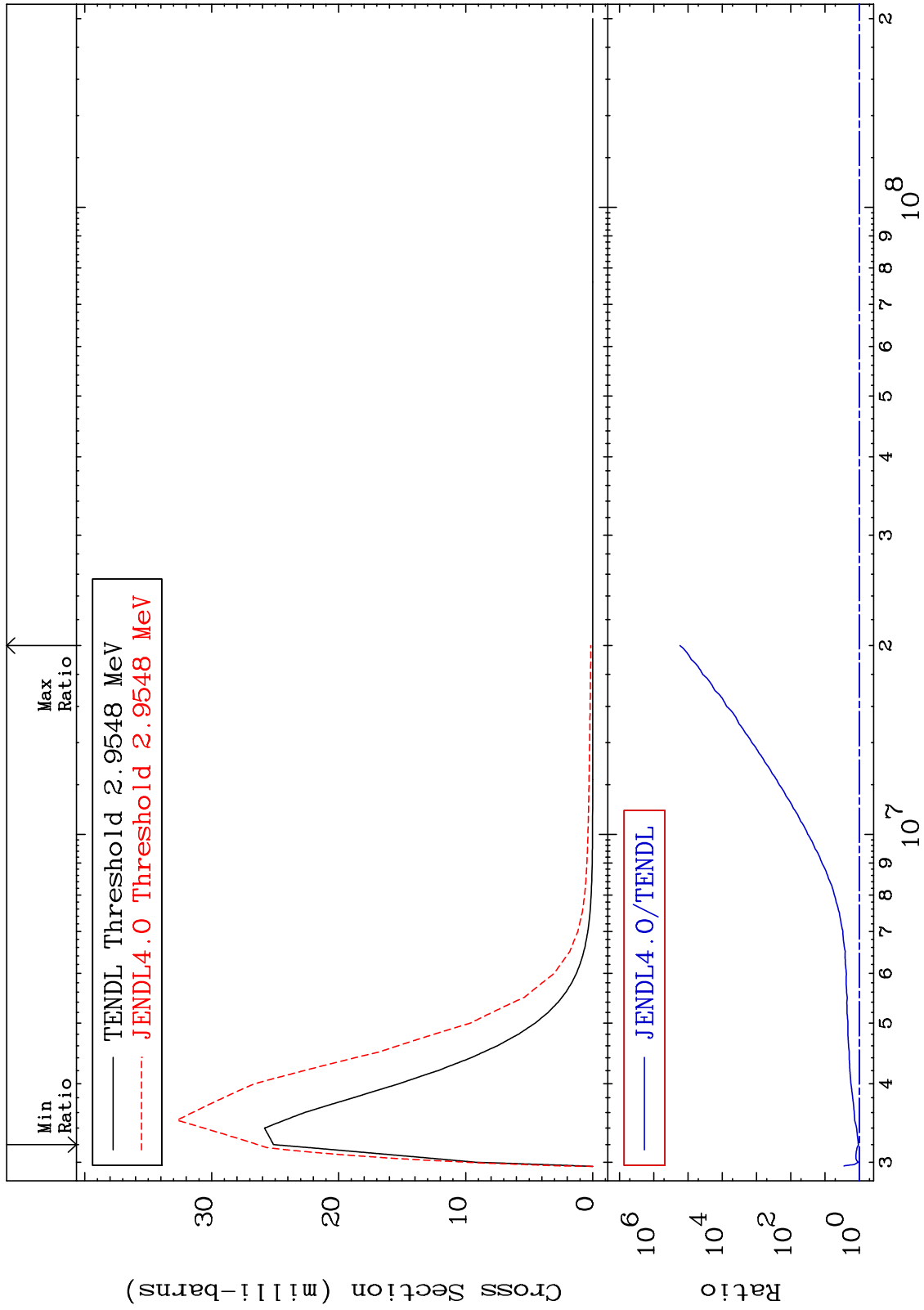
MAT 5043 MT= 76 (n,n') Level
 Cross Section 50-Sn-118
 -71.04 To 81.28 %



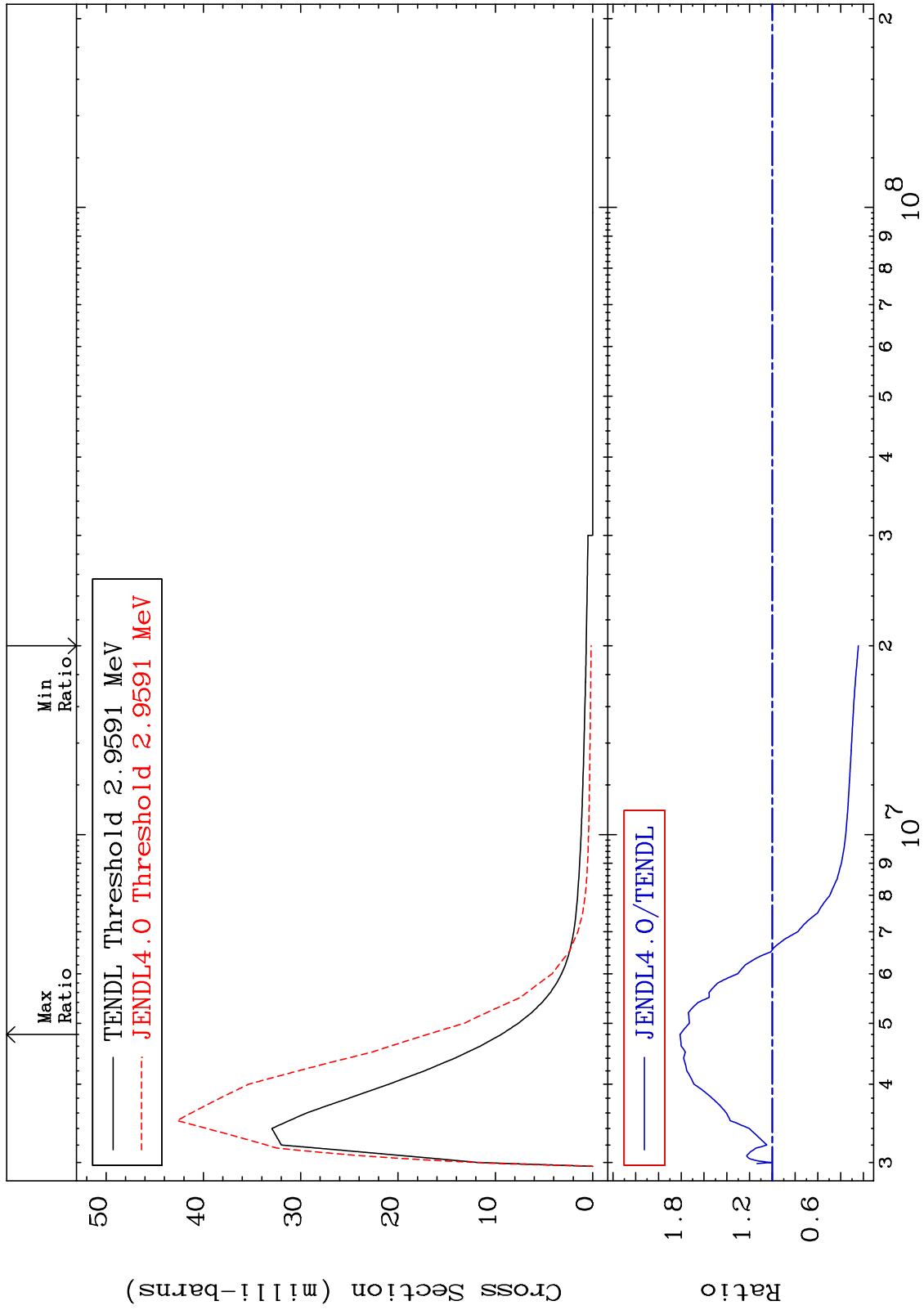
50-Sn-118

Incident Energy (eV)

MAT 5043 MT= 77 (n,n') Level Cross Section 50-Sn-118
 4.973 To 9999. %



MAT 5043 MT= 78 (n,n') Level
 Cross Section 50-Sn-118
 -75.63 To 81.09 %



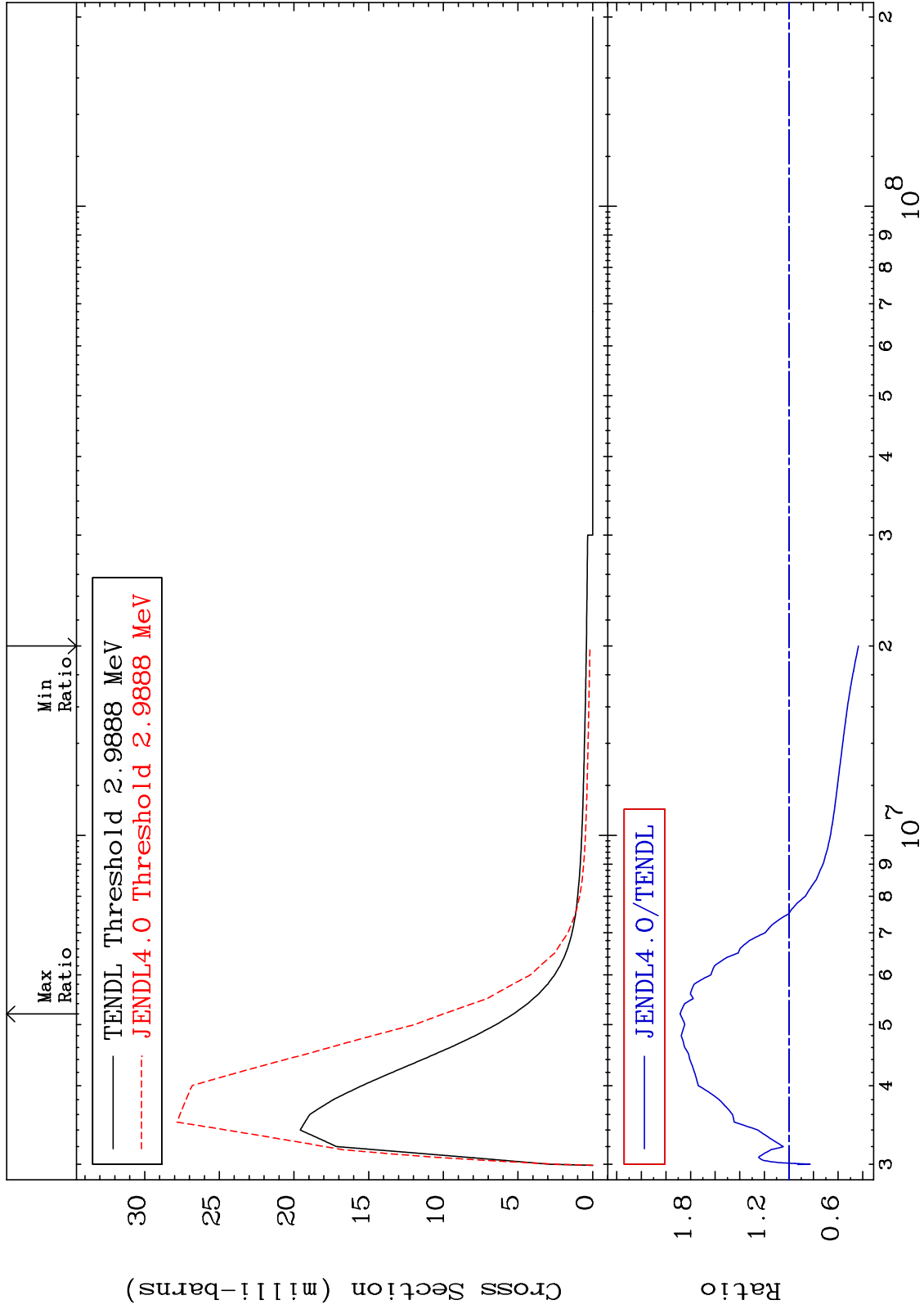
50-Sn-118

Incident Energy (eV)

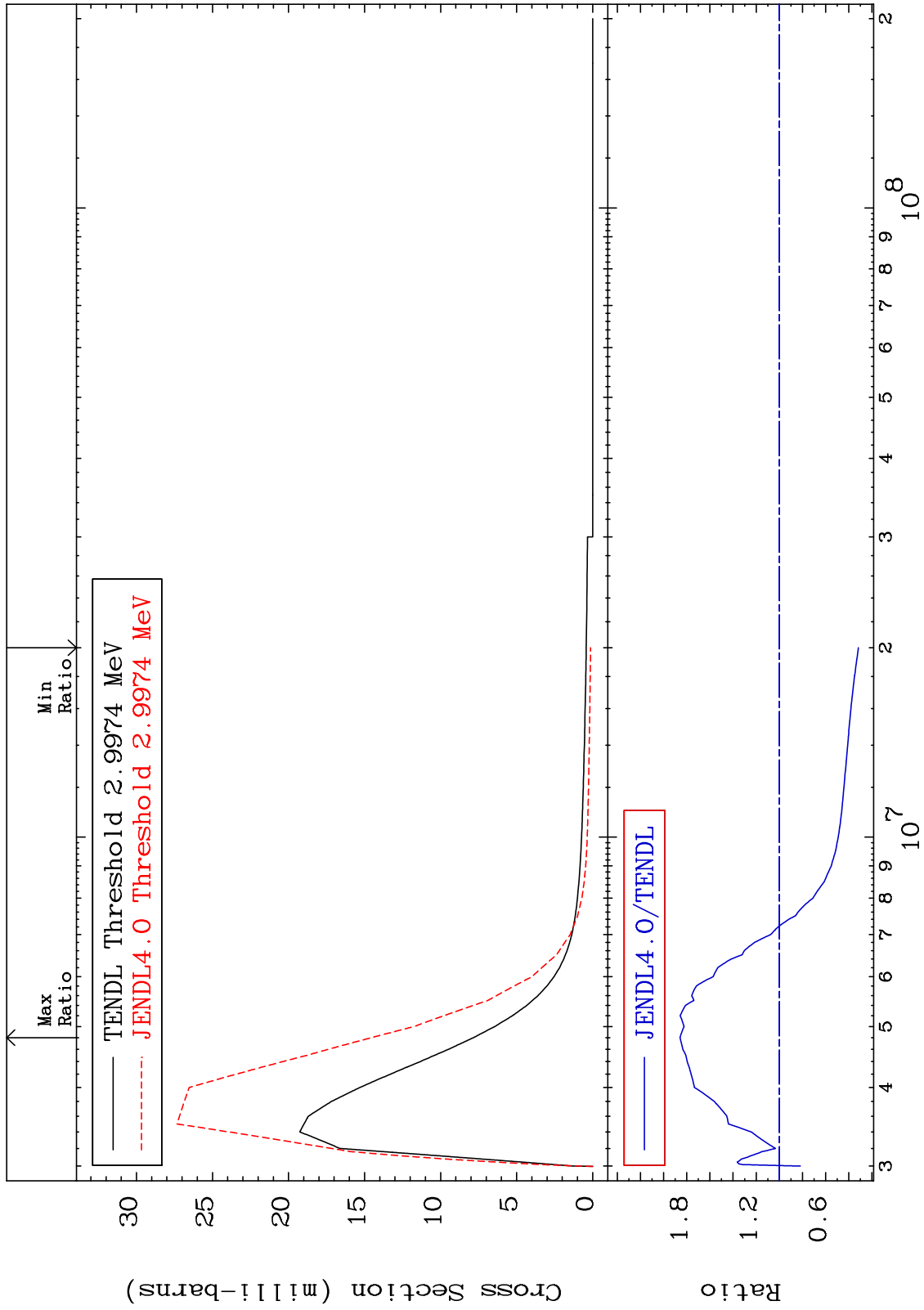
MAT 5043

MT= 79 (n,n') Level
Cross Section

50-Sn-118
-56.48 To 88.56 %



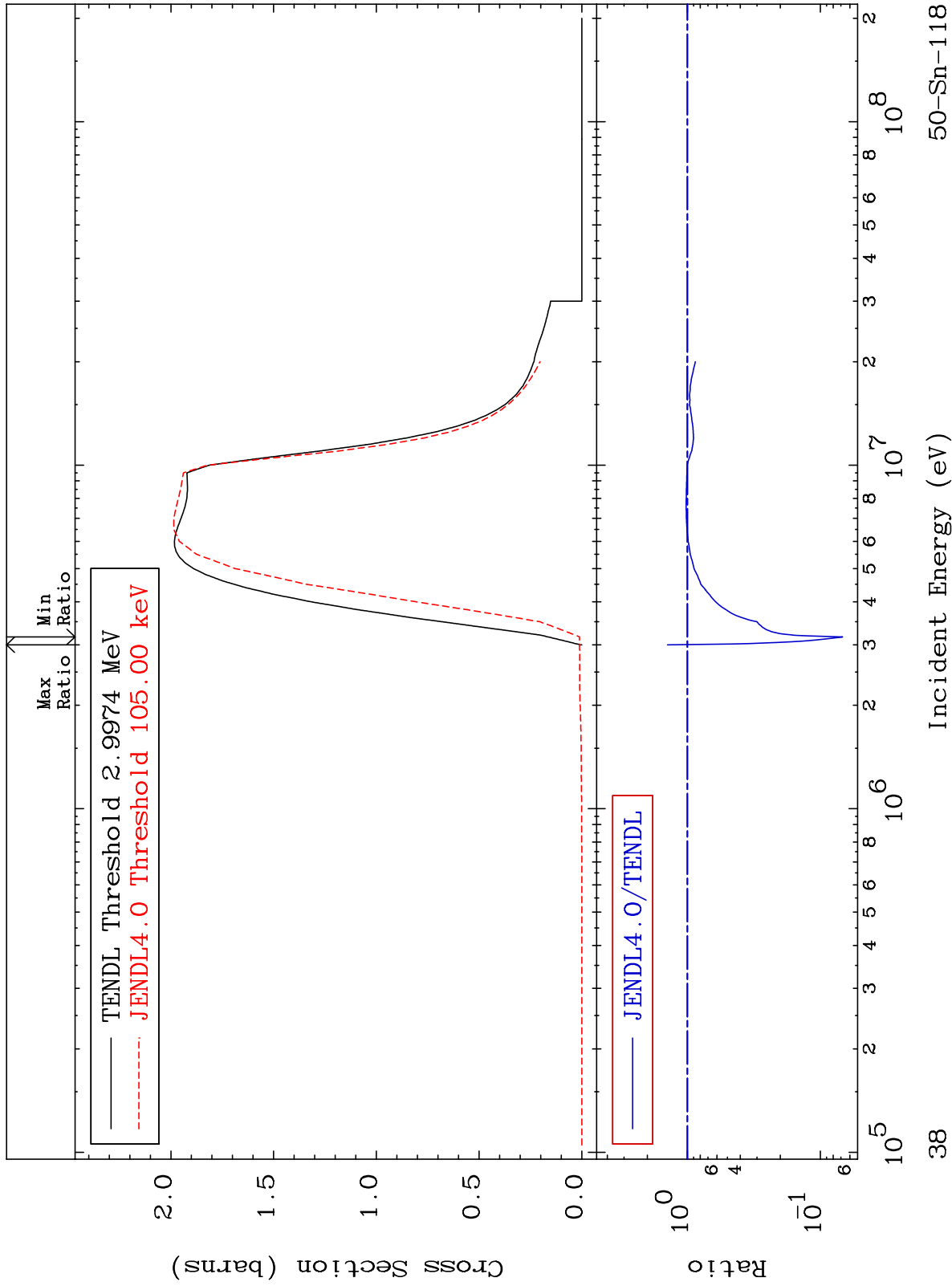
MAT 5043 MT= 80 (n,n') Level Cross Section 50-Sn-118
 -68.30 To 85.81 %



MAT 5043

(n,n') Continuum
Cross Section

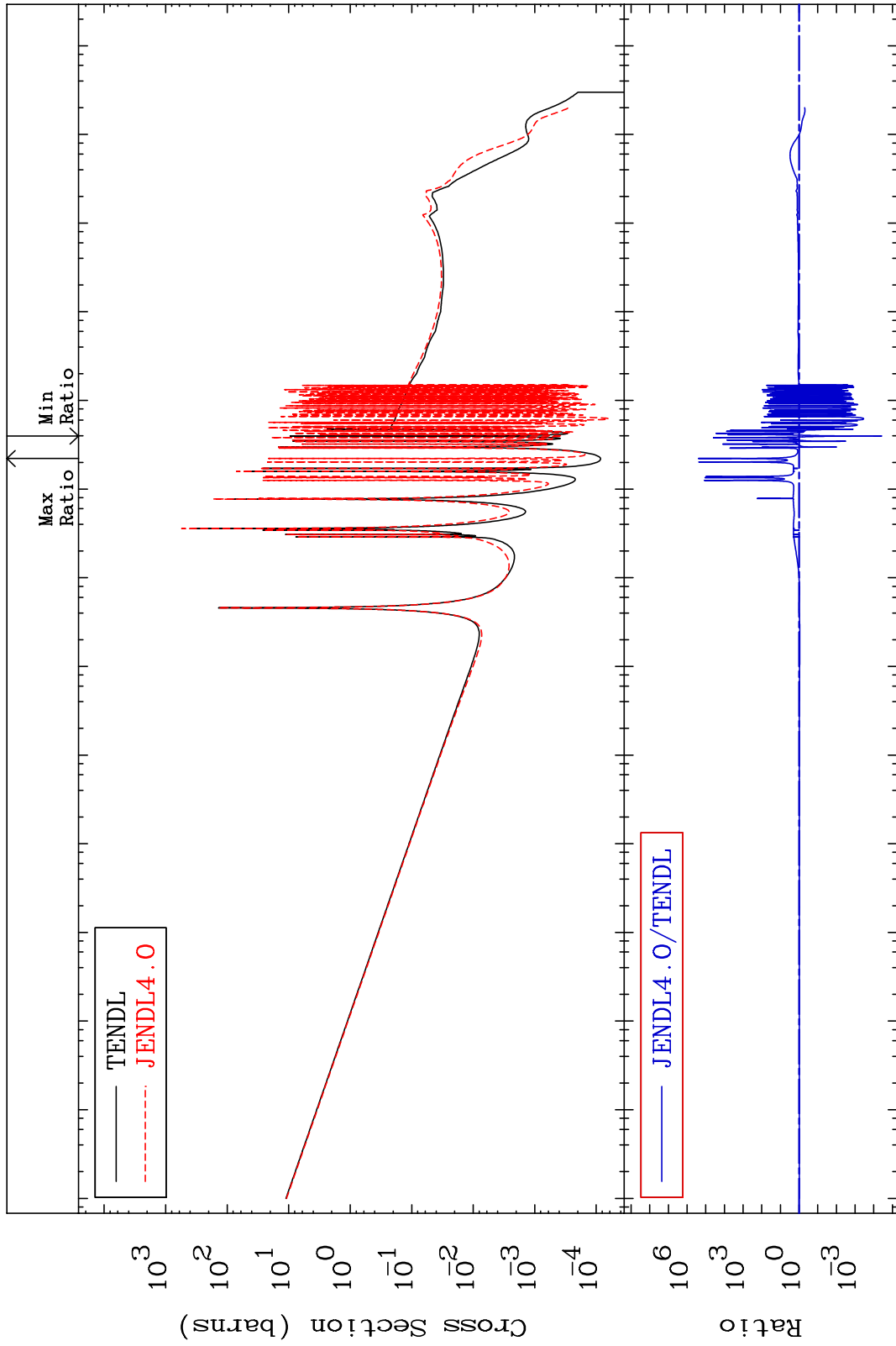
50-Sn-118
-93.20 To 41.08 %



MAT 5043

(n, γ)
Cross Section

50-Sn-118
-100.0 To 9999. %



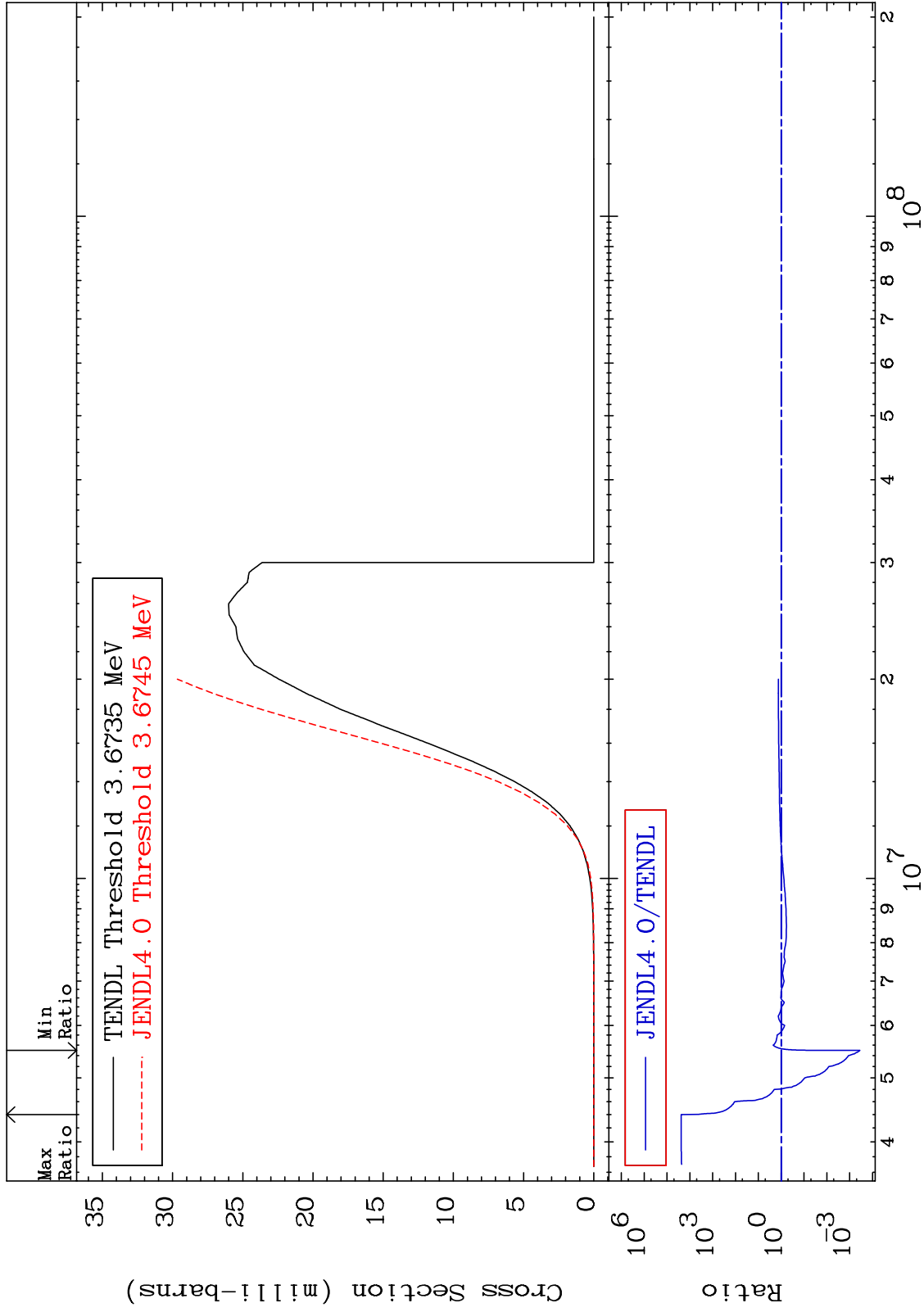
MAT 5043

(n,p)

50-Sn-118

Cross Section

-99.96 To 9999. %



40

Incident Energy (eV)

50-Sn-118

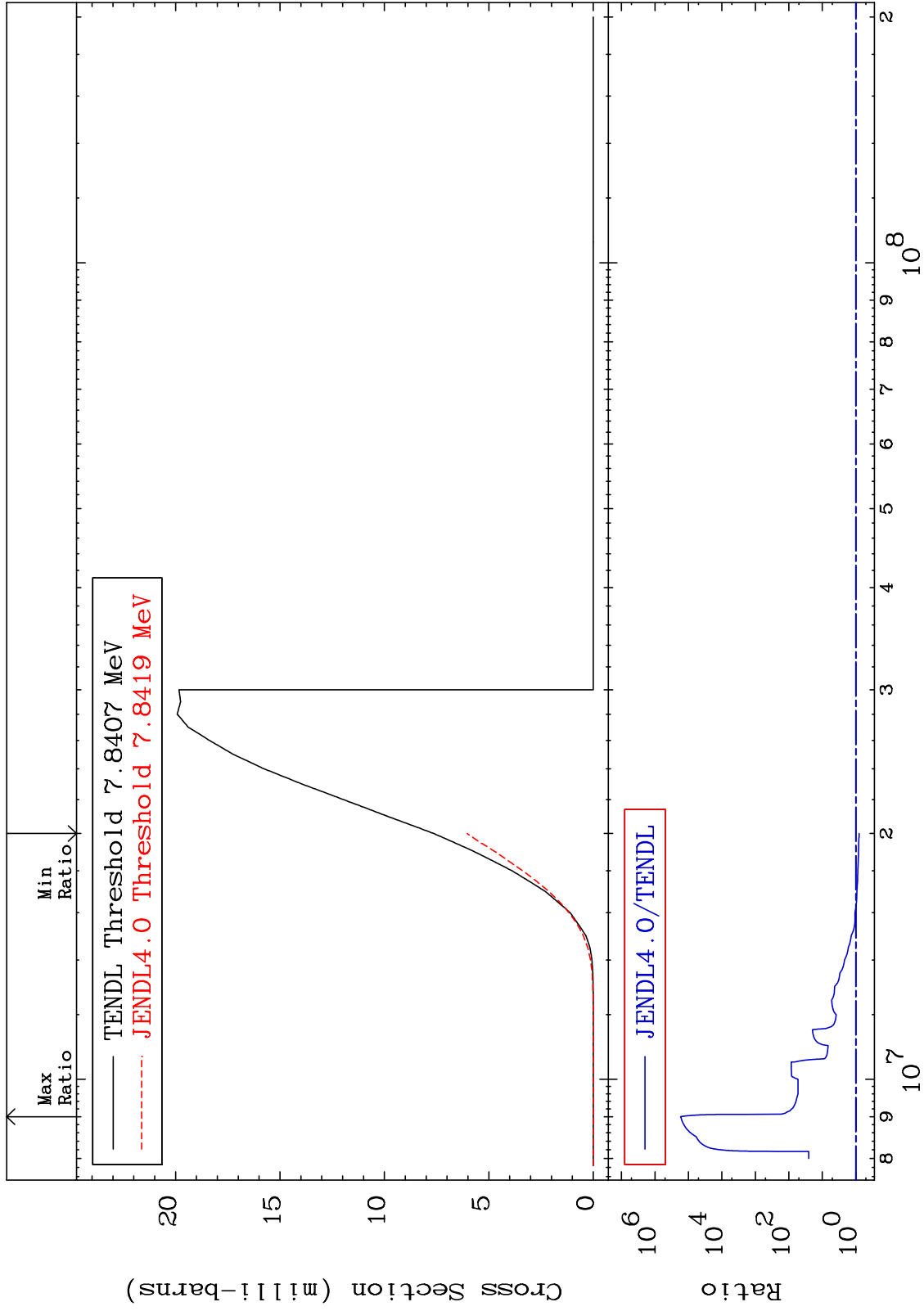
MAT 5043

(n,d)

50-Sn-118

Cross Section

-21.00 To 9999. %



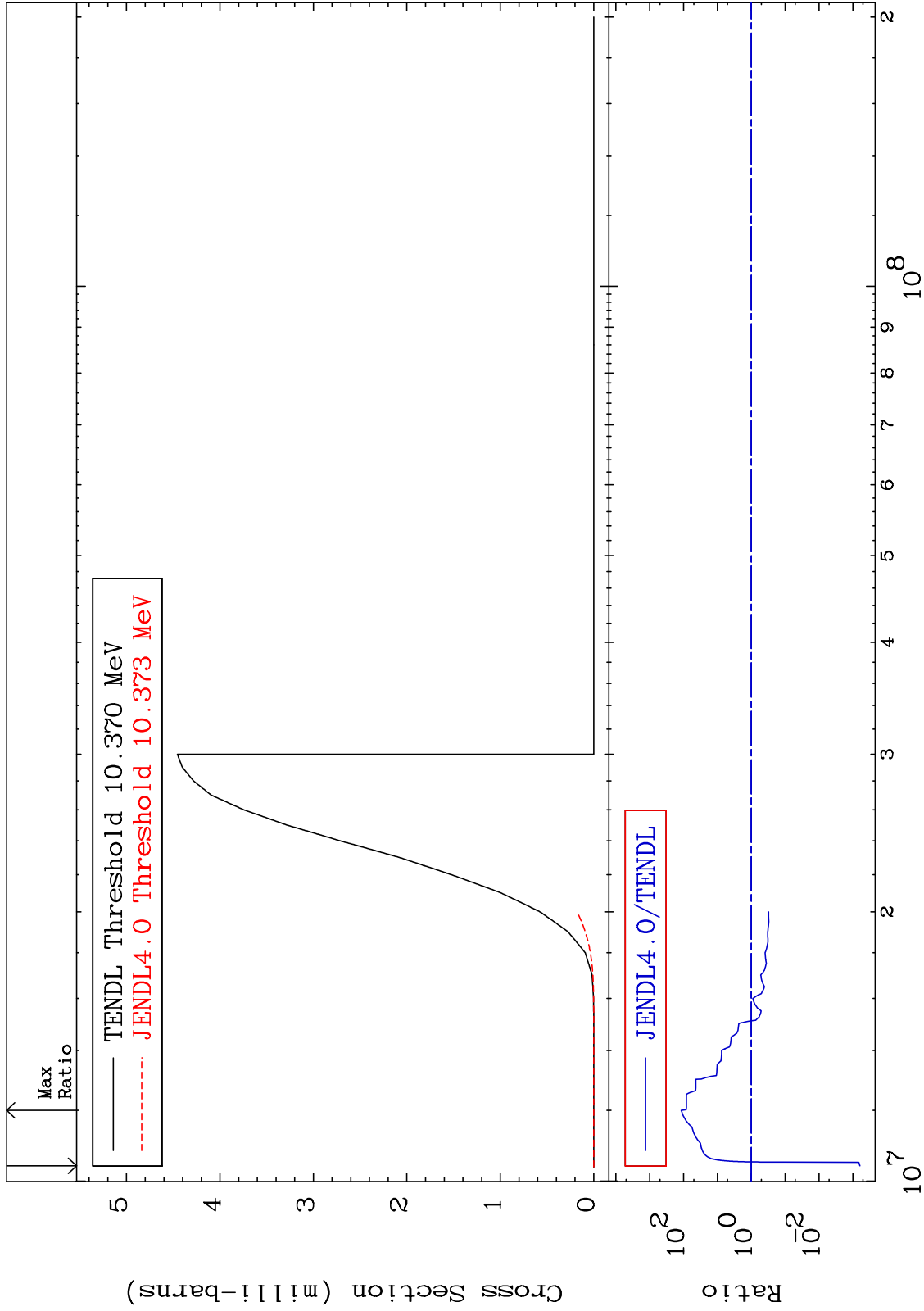
MAT 5043

(n, t)

50-Sn-118

Cross Section

-99.94 To 9999. %



50-Sn-118

Incident Energy (eV)

42

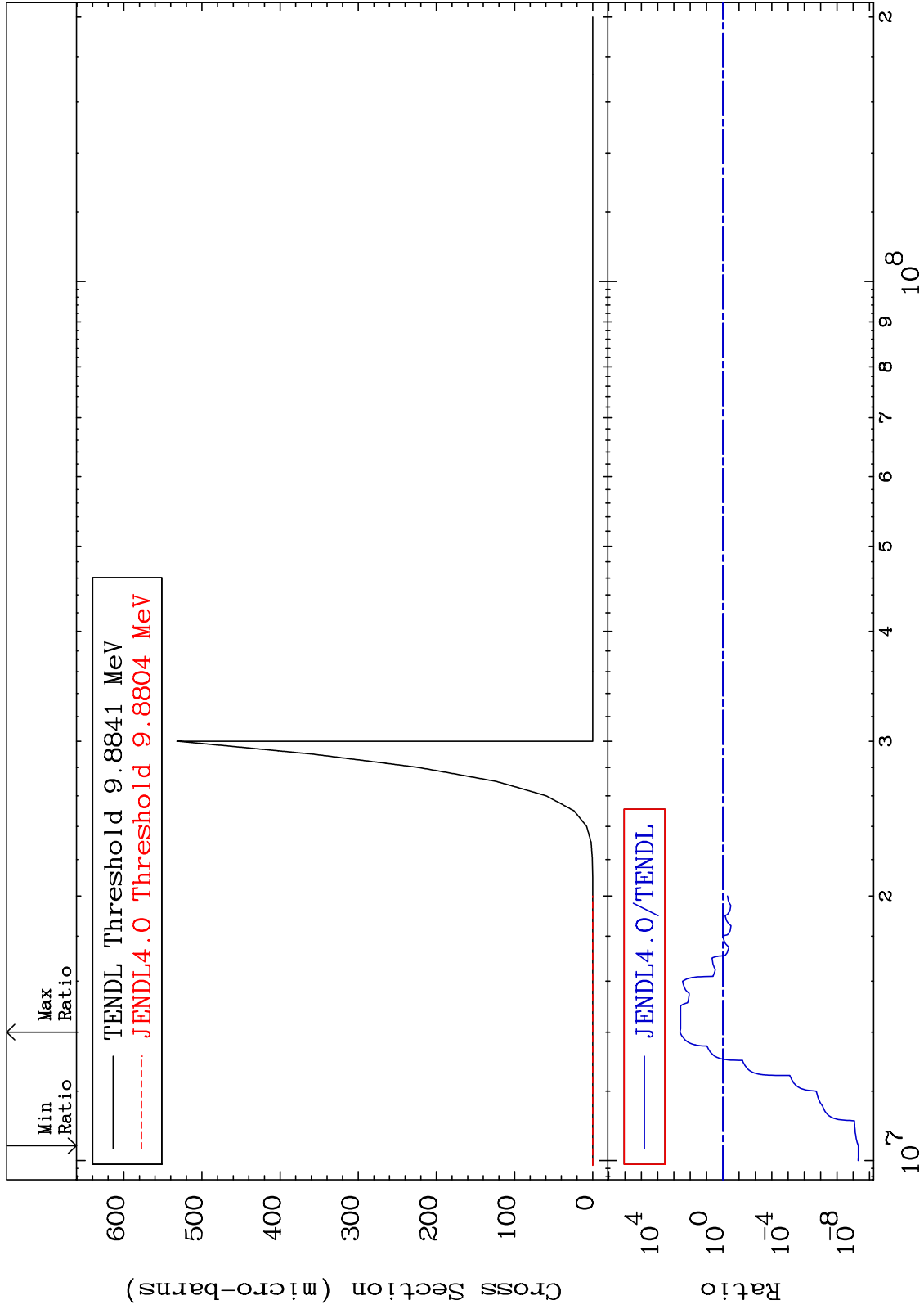
MAT 5043

(n, He-3)

50-Sn-118

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

50-Sn-118

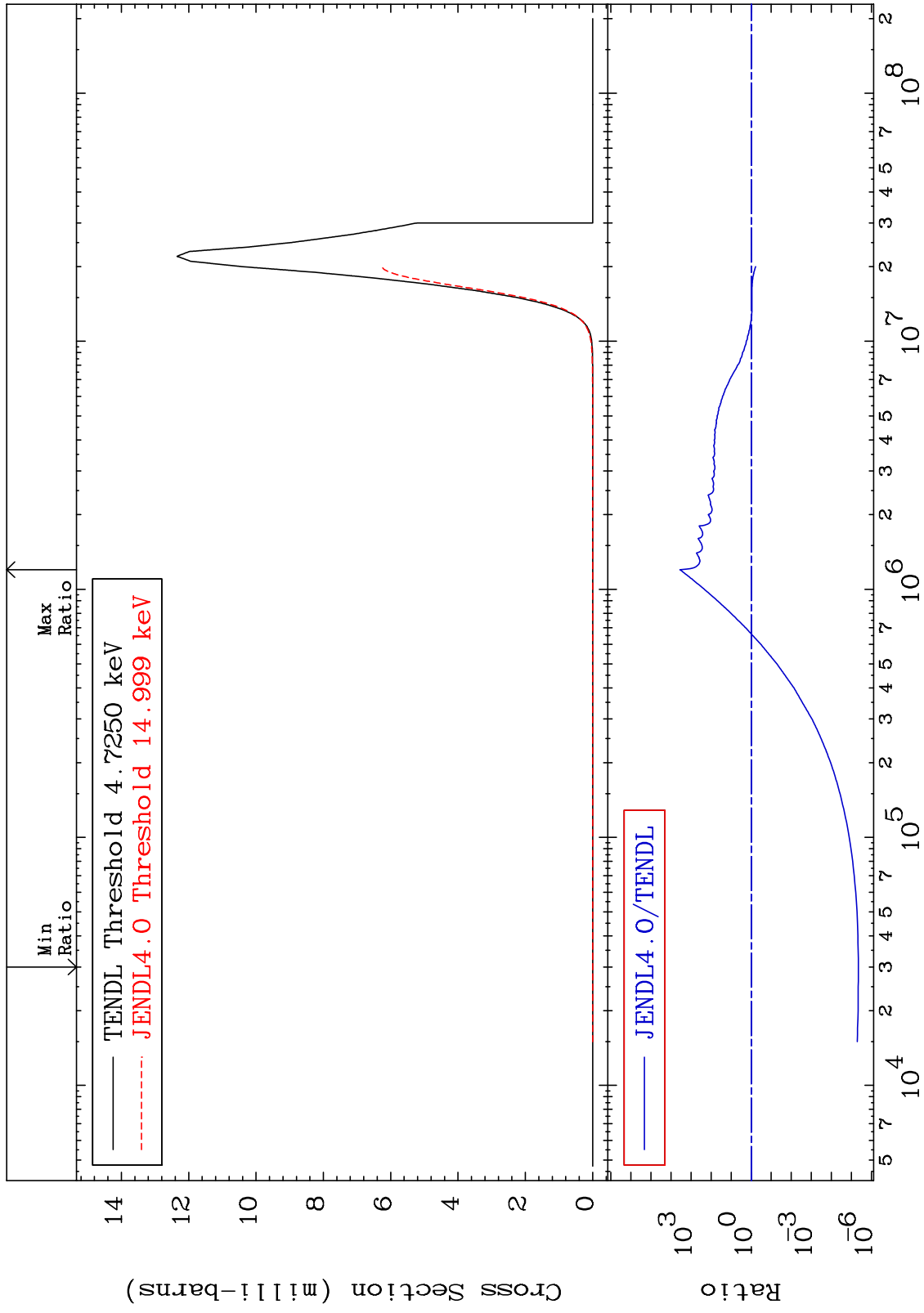
43

MAT 5043

(n, α)

Cross Section

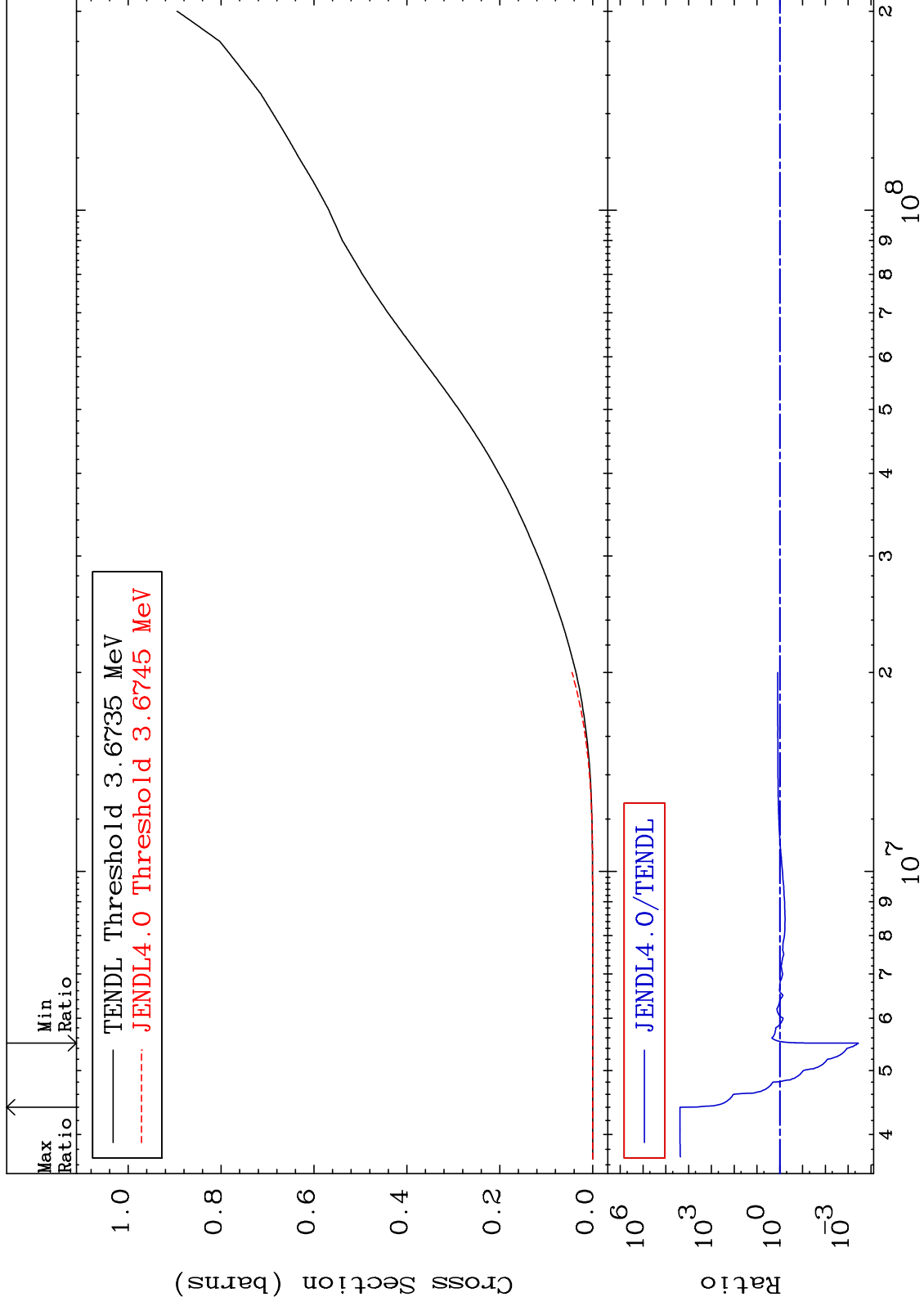
50-Sn-118
-100.0 To 9999. %



MAT 5043

Hydrogen Production
Cross Section

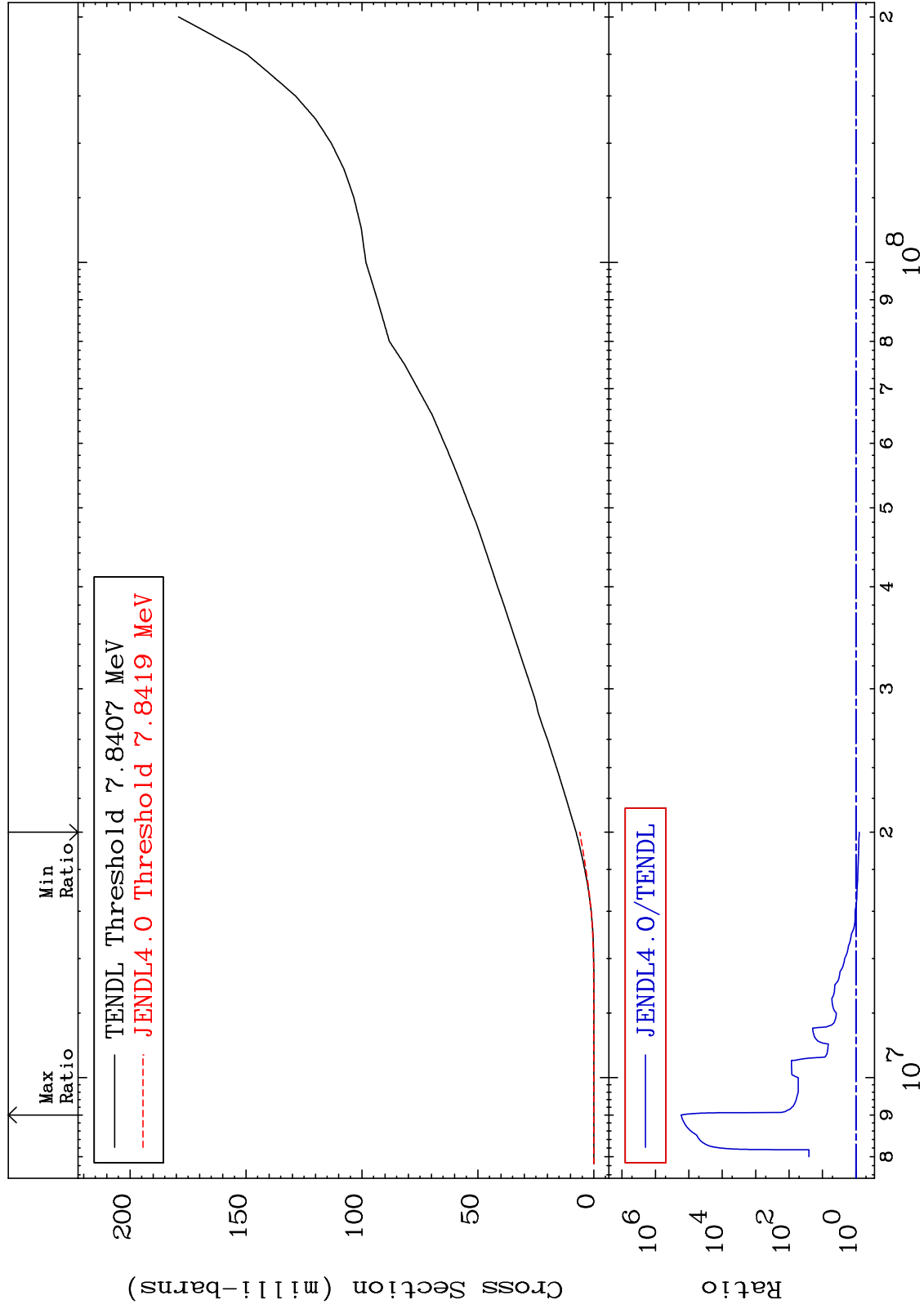
50-Sn-118
-99.96 To 9999. %



MAT 5043

Deuterium Production
Cross Section

50-Sn-118
-21.00 To 9999. %



46

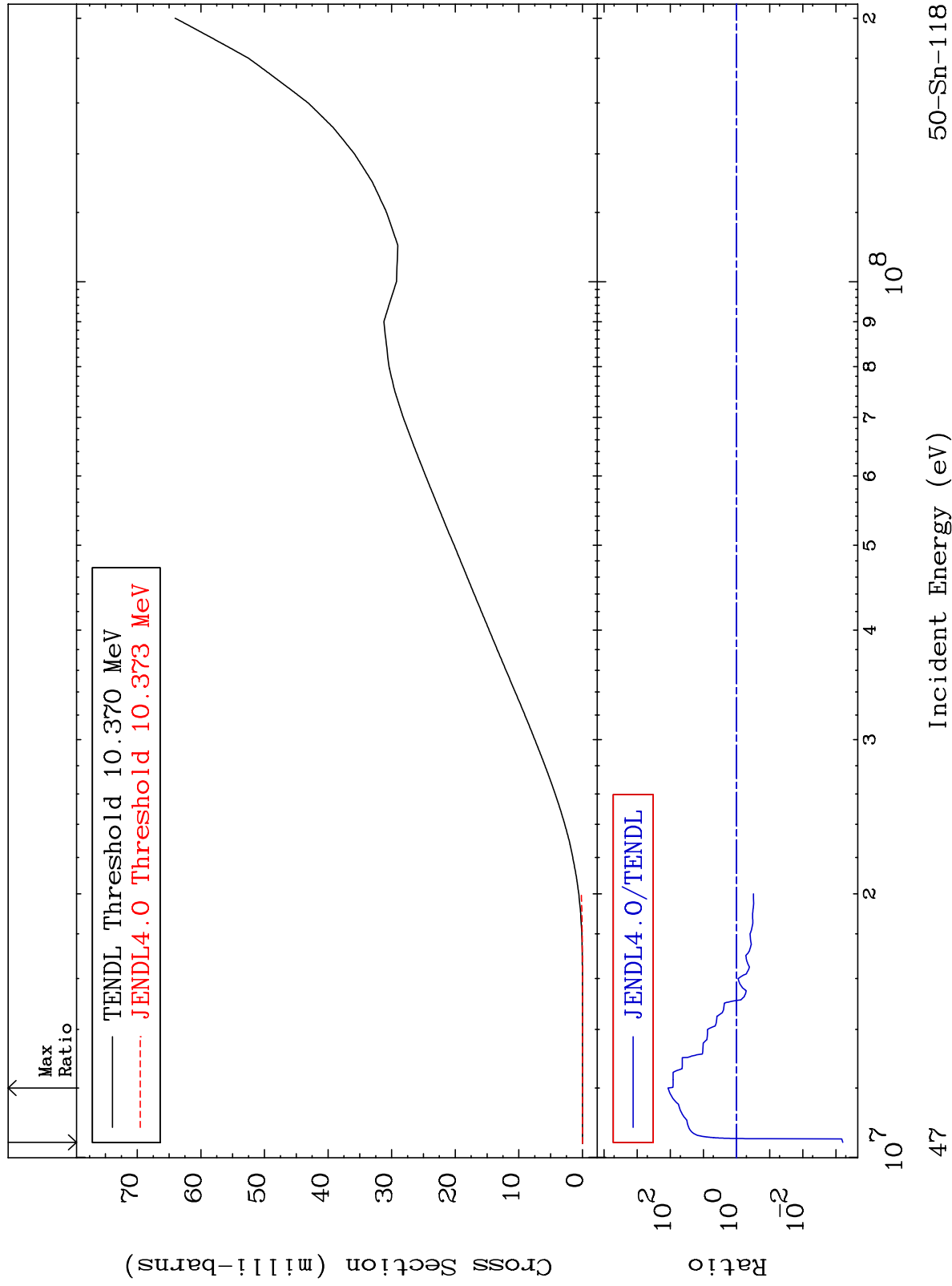
Incident Energy (eV)

50-Sn-118

MAT 5043

Tritium Production
Cross Section

50-Sn-118
-99.94 To 9999. %



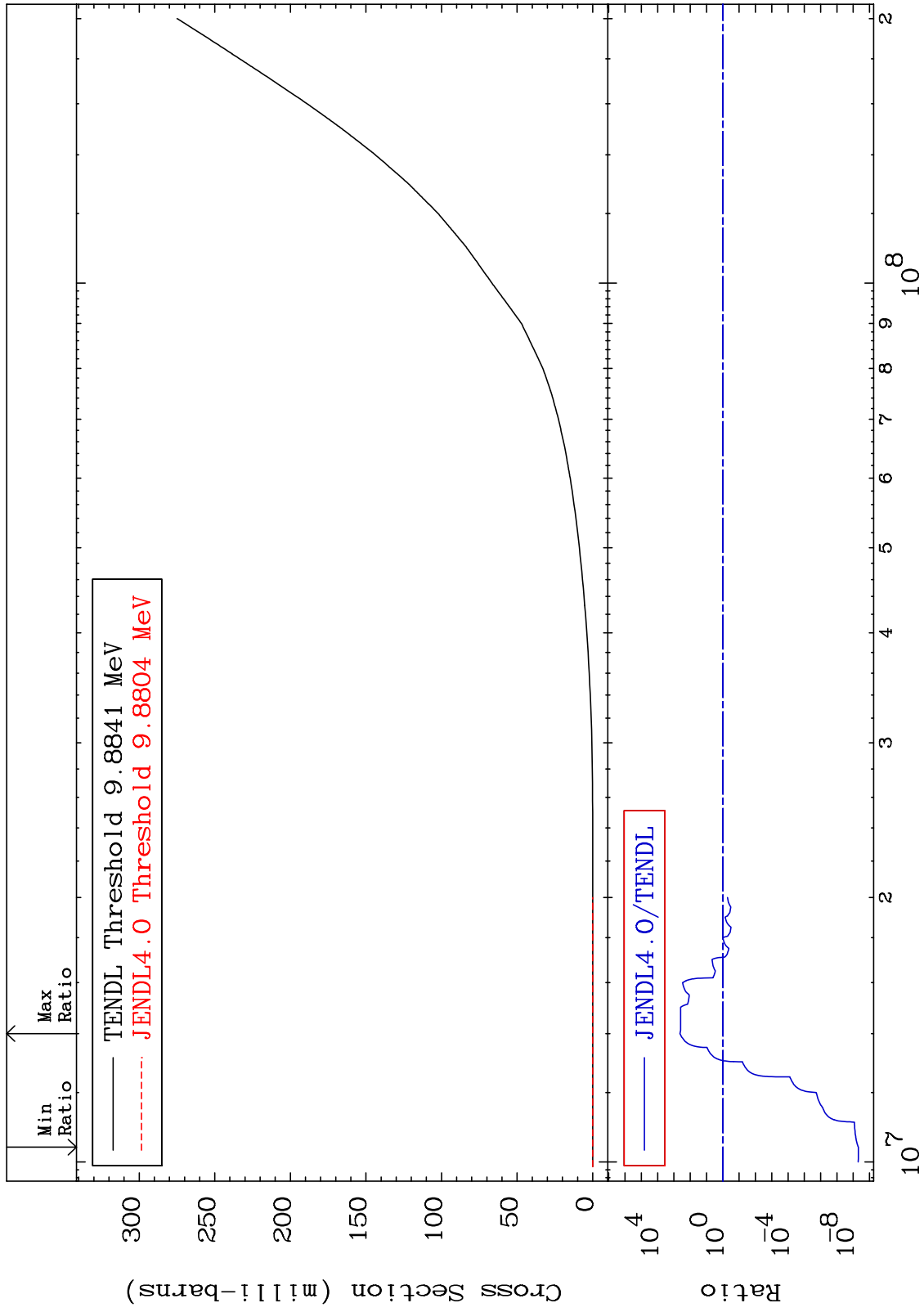
47

50-Sn-118

MAT 5043

He-3 Production
Cross Section

50-Sn-118
-100.0 To 9999. %



Incident Energy (eV)

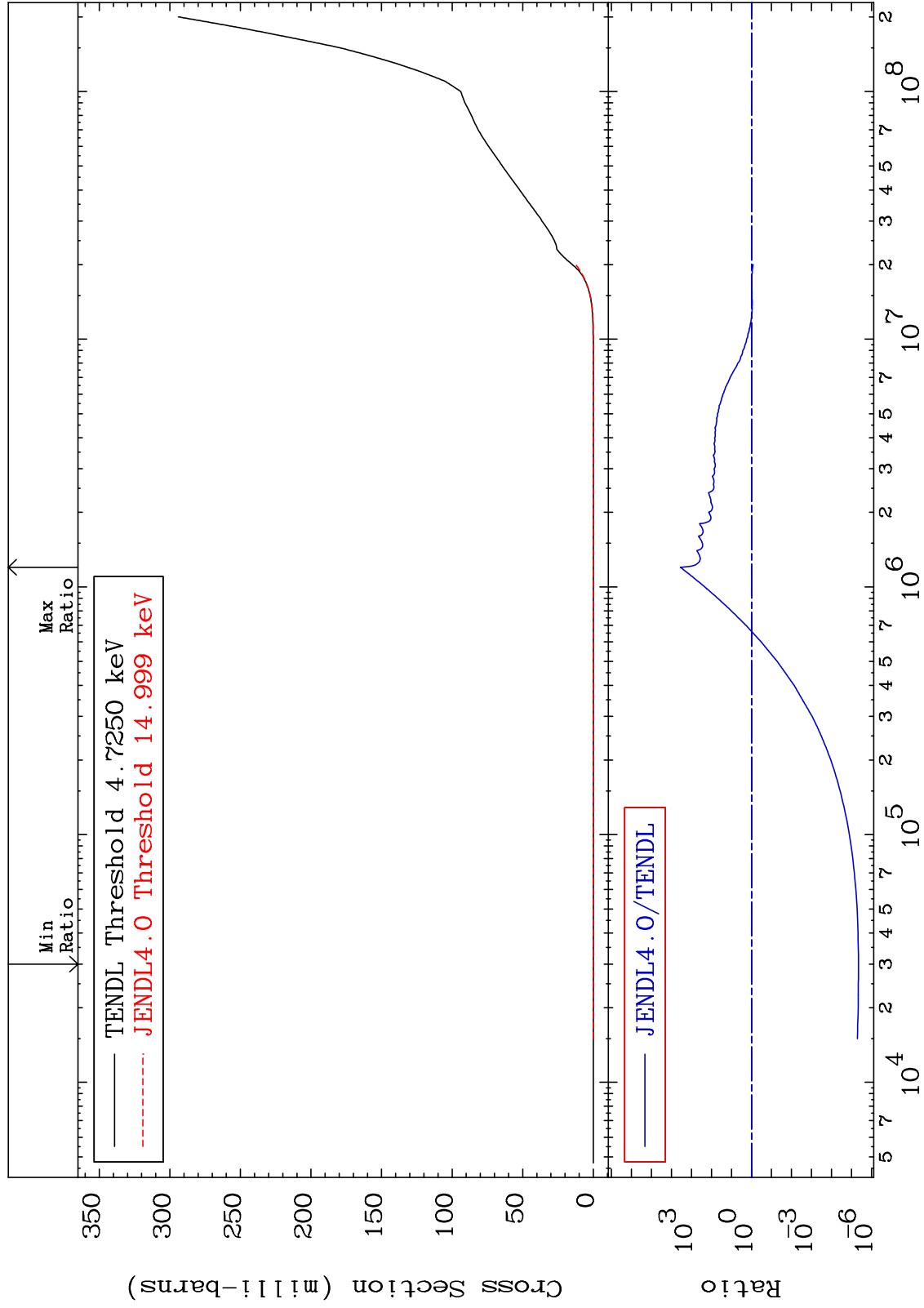
50-Sn-118

48

MAT 5043

He-4 Production
Cross Section

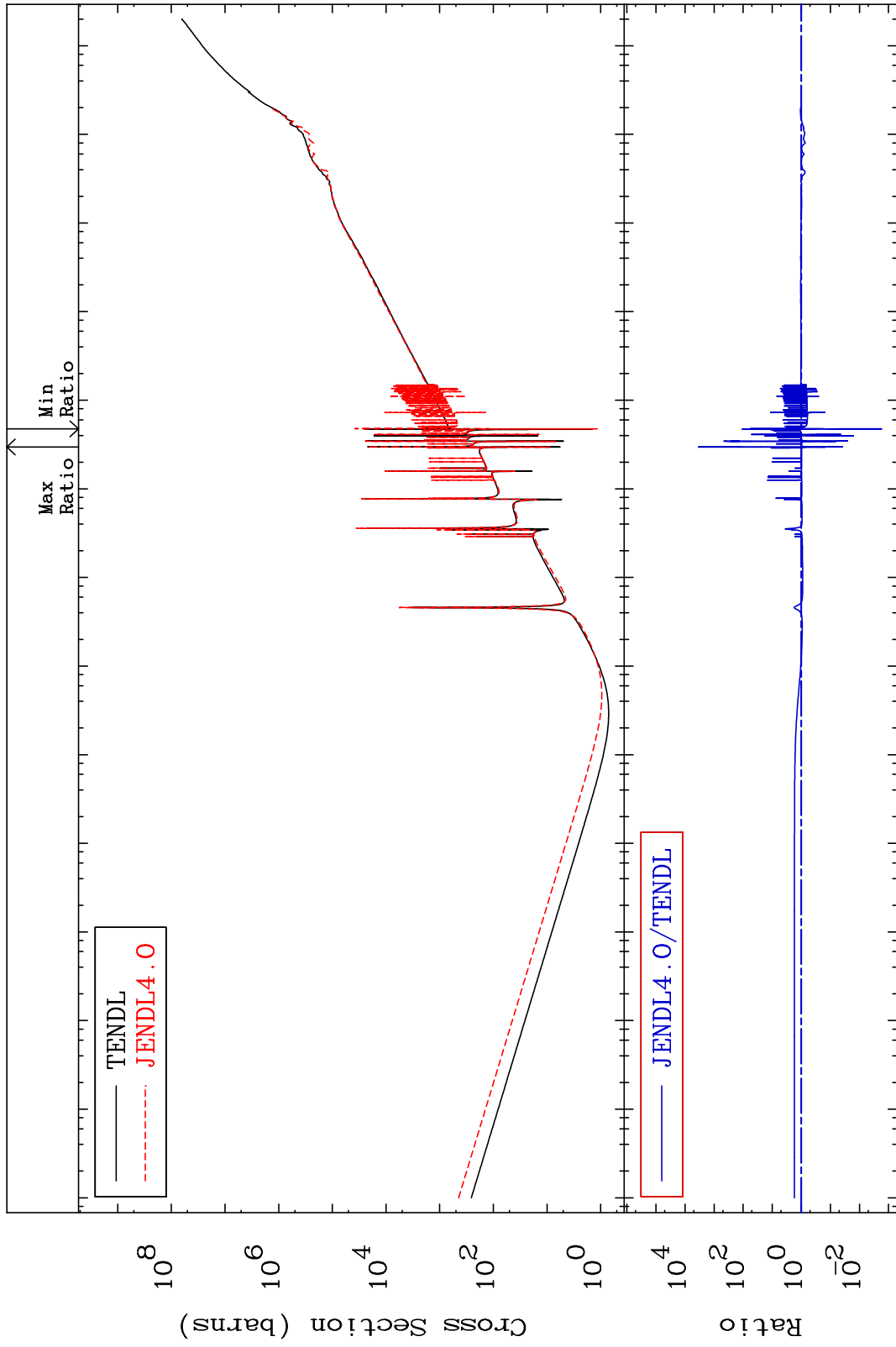
50-Sn-118
-100.0 To 9999. %



MAT 5043

Kerma total (eV-barns)
Cross Section

50-Sn-118
-99.83 To 9999. %



50

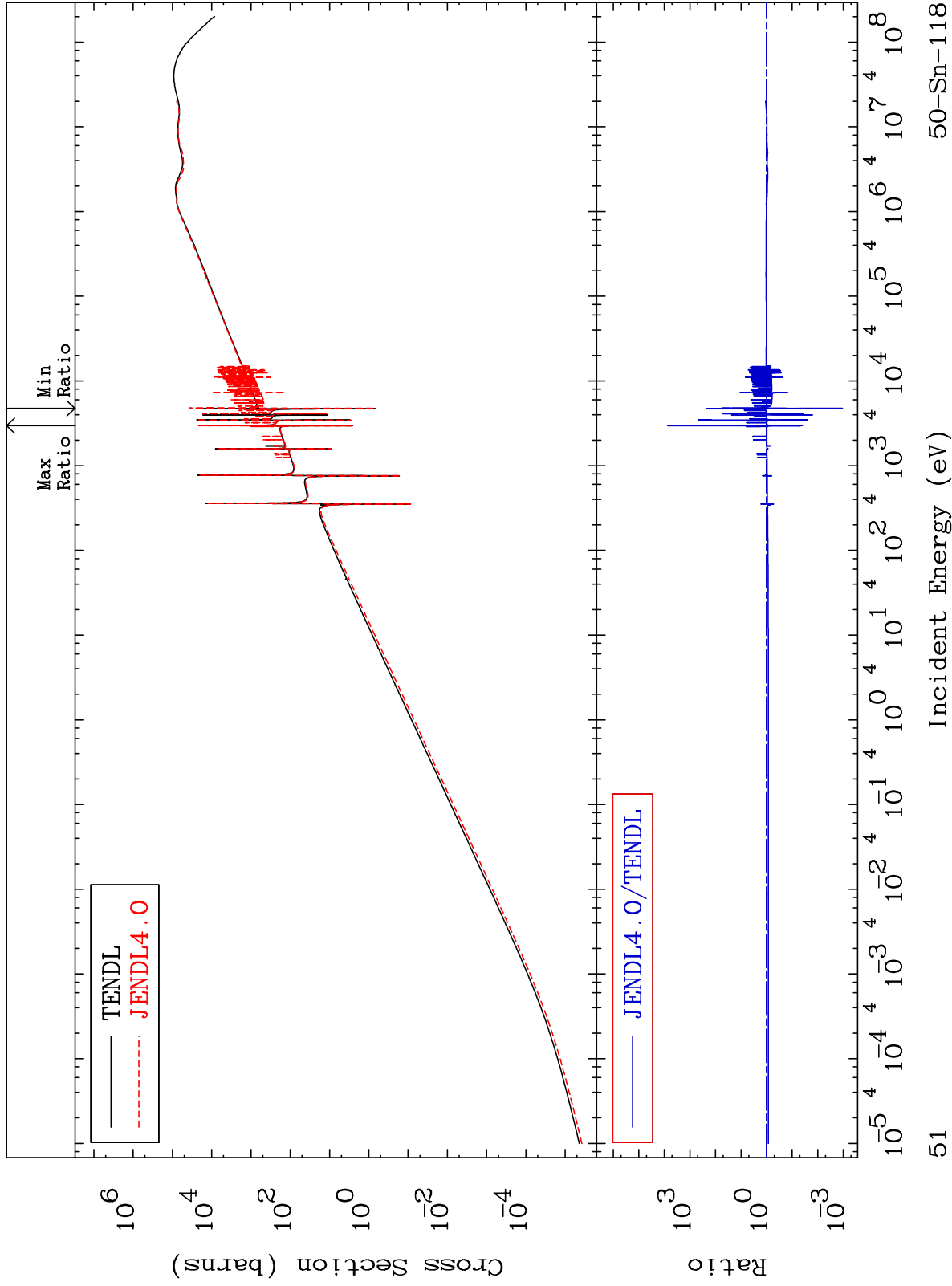
Incident Energy (eV)

50-Sn-118

MAT 5043

Kerma elastic
Cross Section

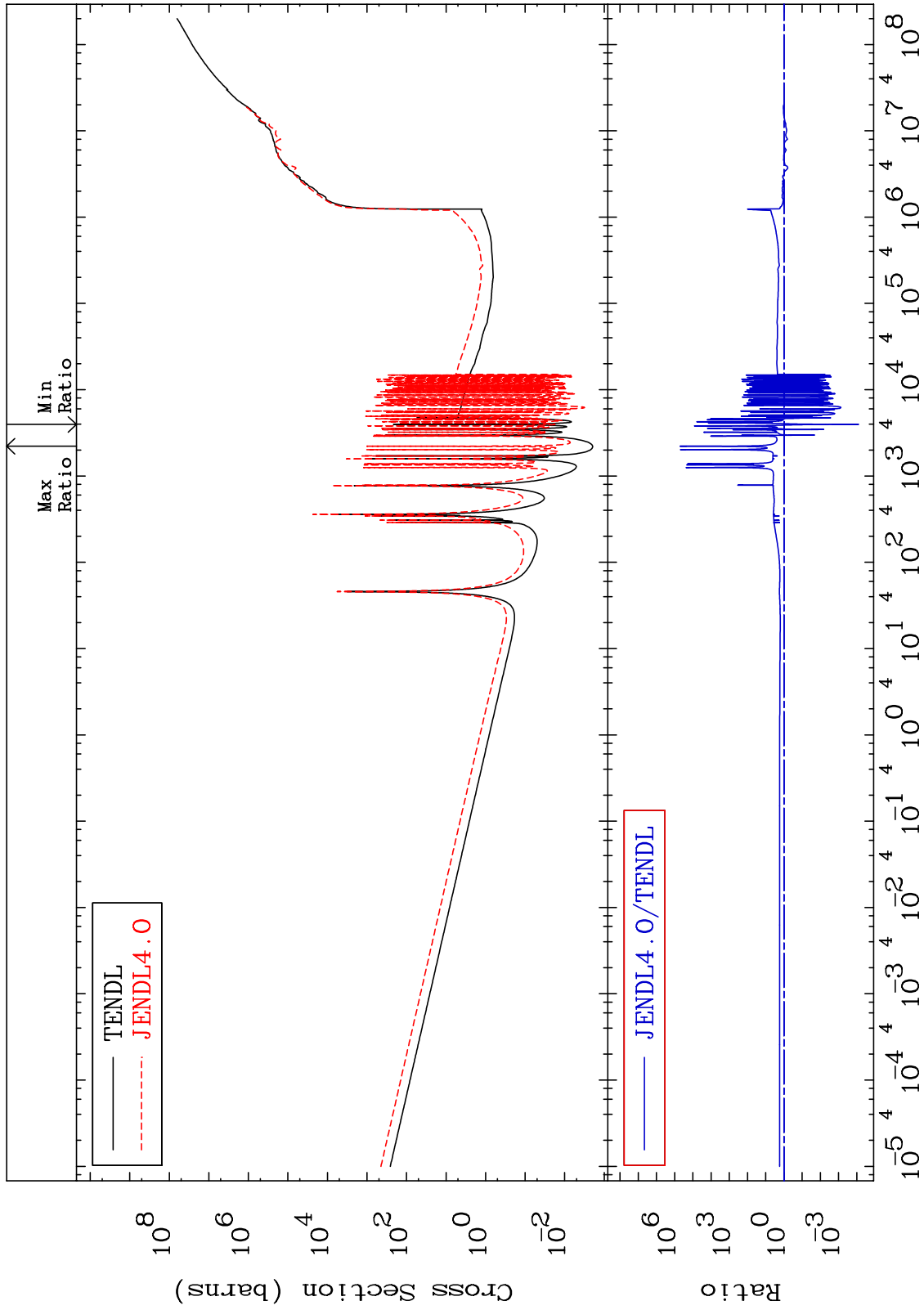
50-Sn-118
-99.89 To 9999. %



MAT 5043

Kerma non-elastic (all but mt2)
Cross Section

50-Sn-118
-99.99 To 9999. %



52

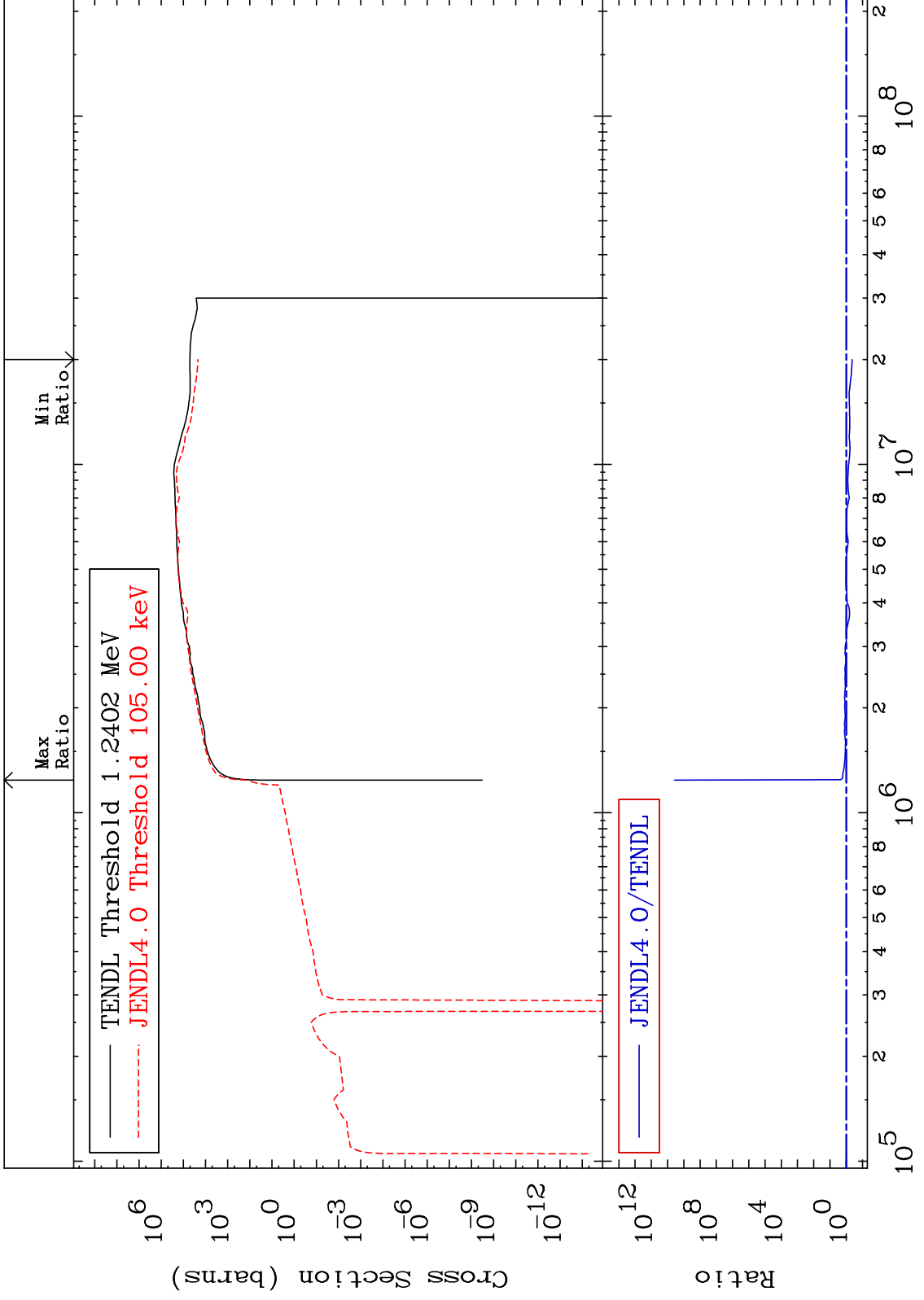
Incident Energy (eV)

50-Sn-118

MAT 5043

Kerma inelastic (mt51-91)
Cross Section

50-Sn-118
-57.07 To 9999. %



53

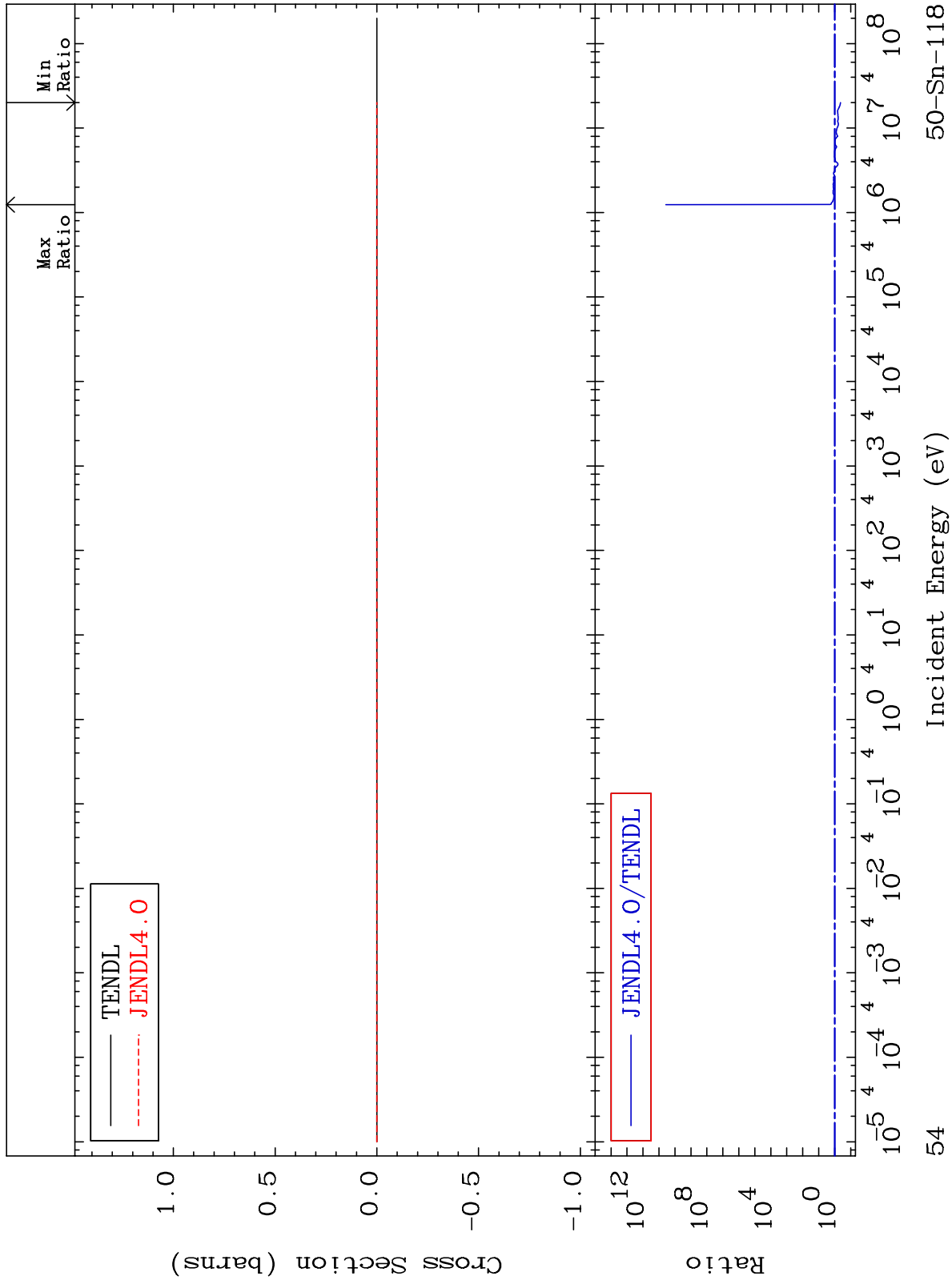
Incident Energy (eV)

50-Sn-118

MAT 5043

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

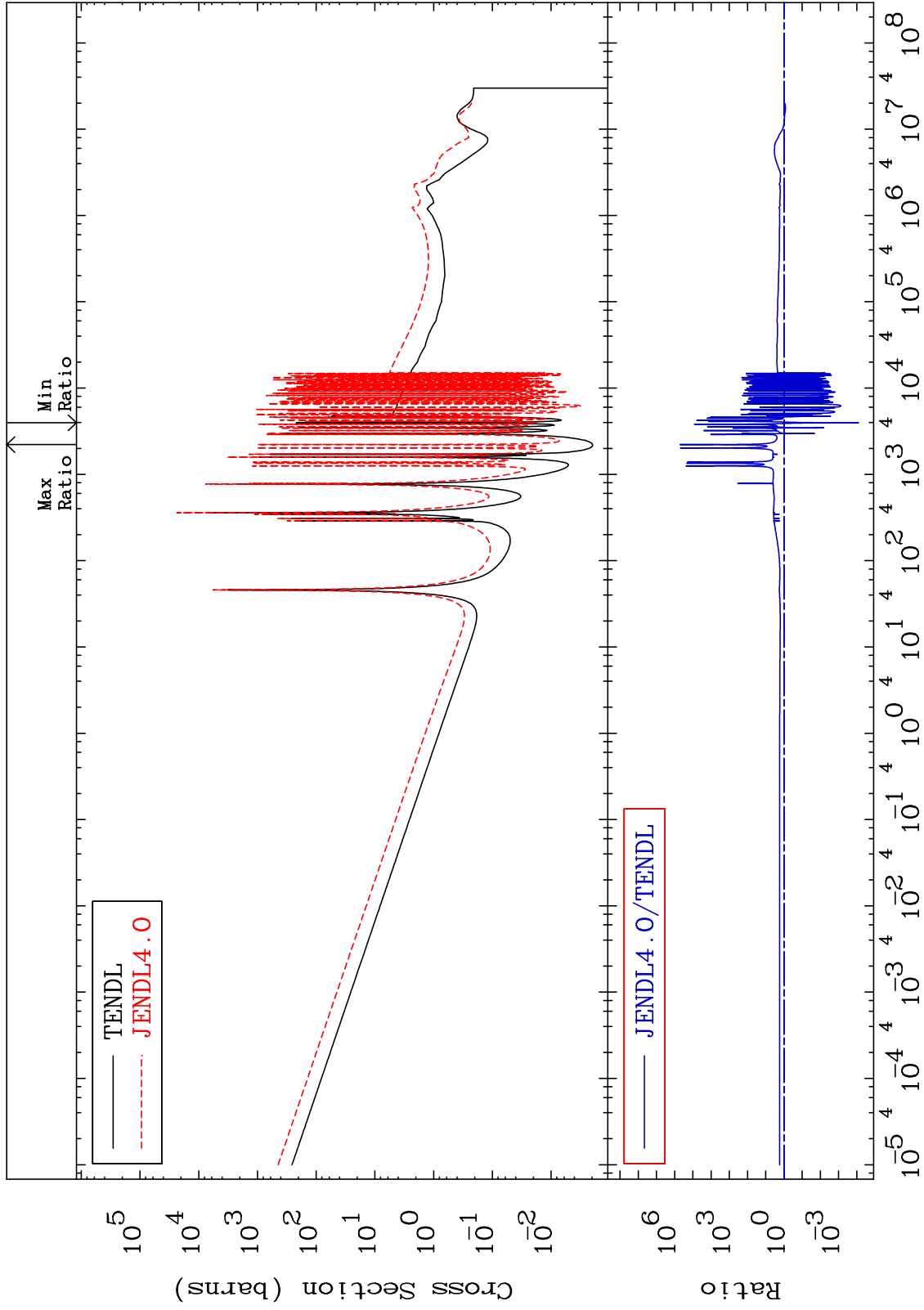
50-Sn-118
-57.07 To 9999. %



MAT 5043

Kerma capture (mt102)
Cross Section

50-Sn-118
-99.99 To 9999. %



55

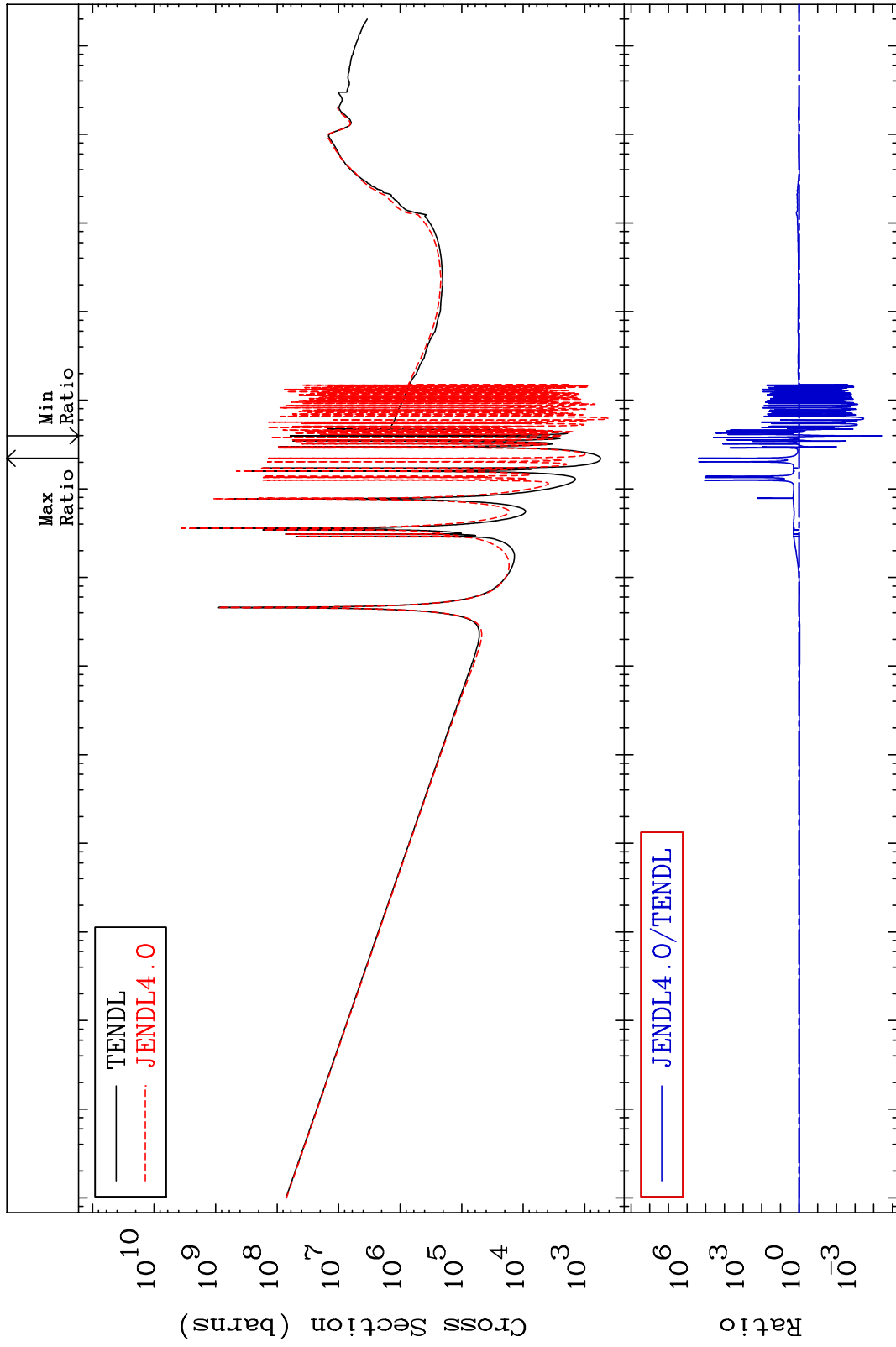
Incident Energy (eV)

50-Sn-118

MAT 5043

Total photon (eV-barns)
Cross Section

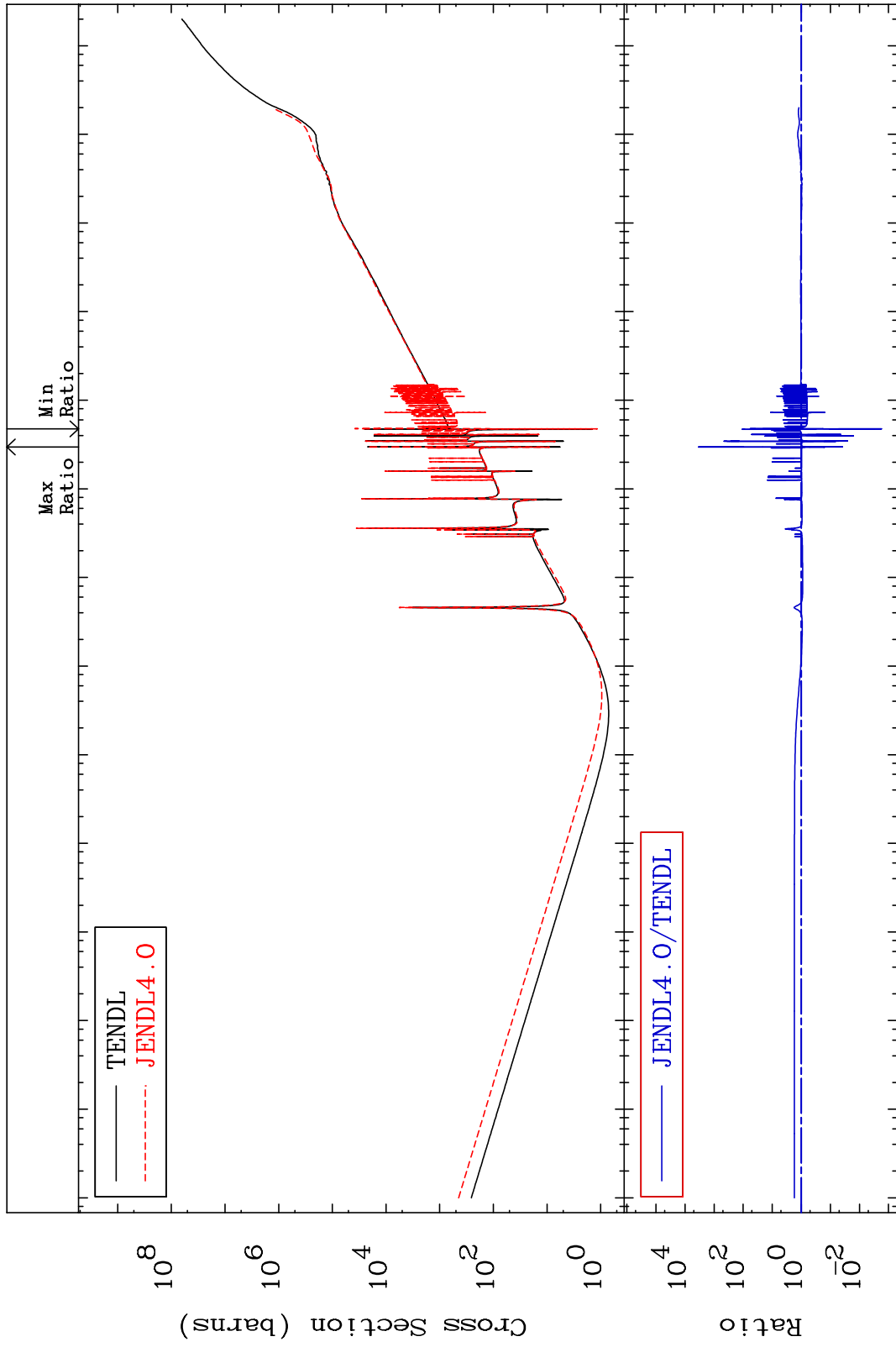
50-Sn-118
-100.0 To 9999. %



MAT 5043

Total kinematic kerma (high limit)
Cross Section

50-Sn-118
-99.83 To 9999. %



57

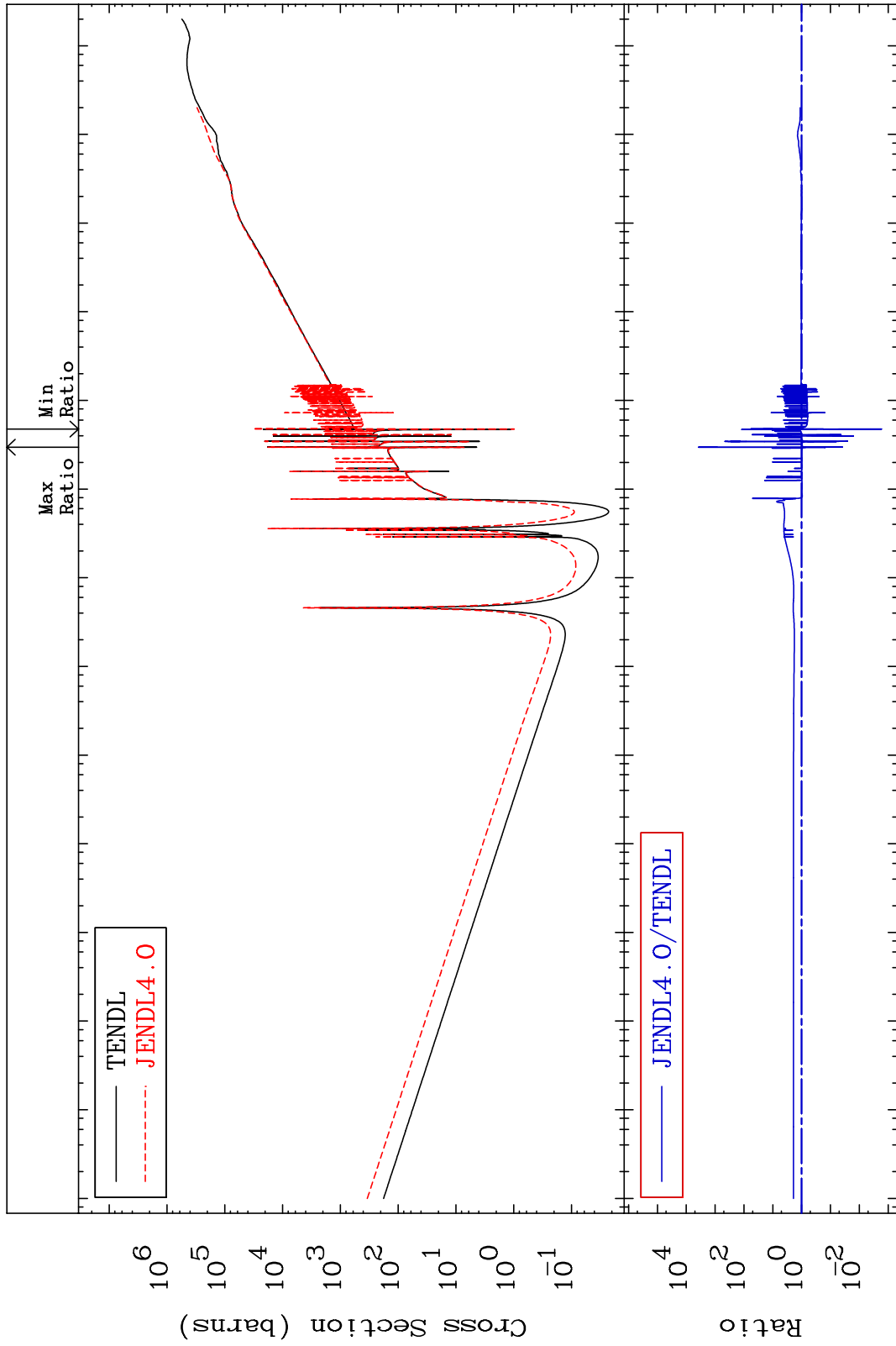
Incident Energy (eV)

50-Sn-118

MAT 5043

Dpa total (eV-barns)
Cross Section

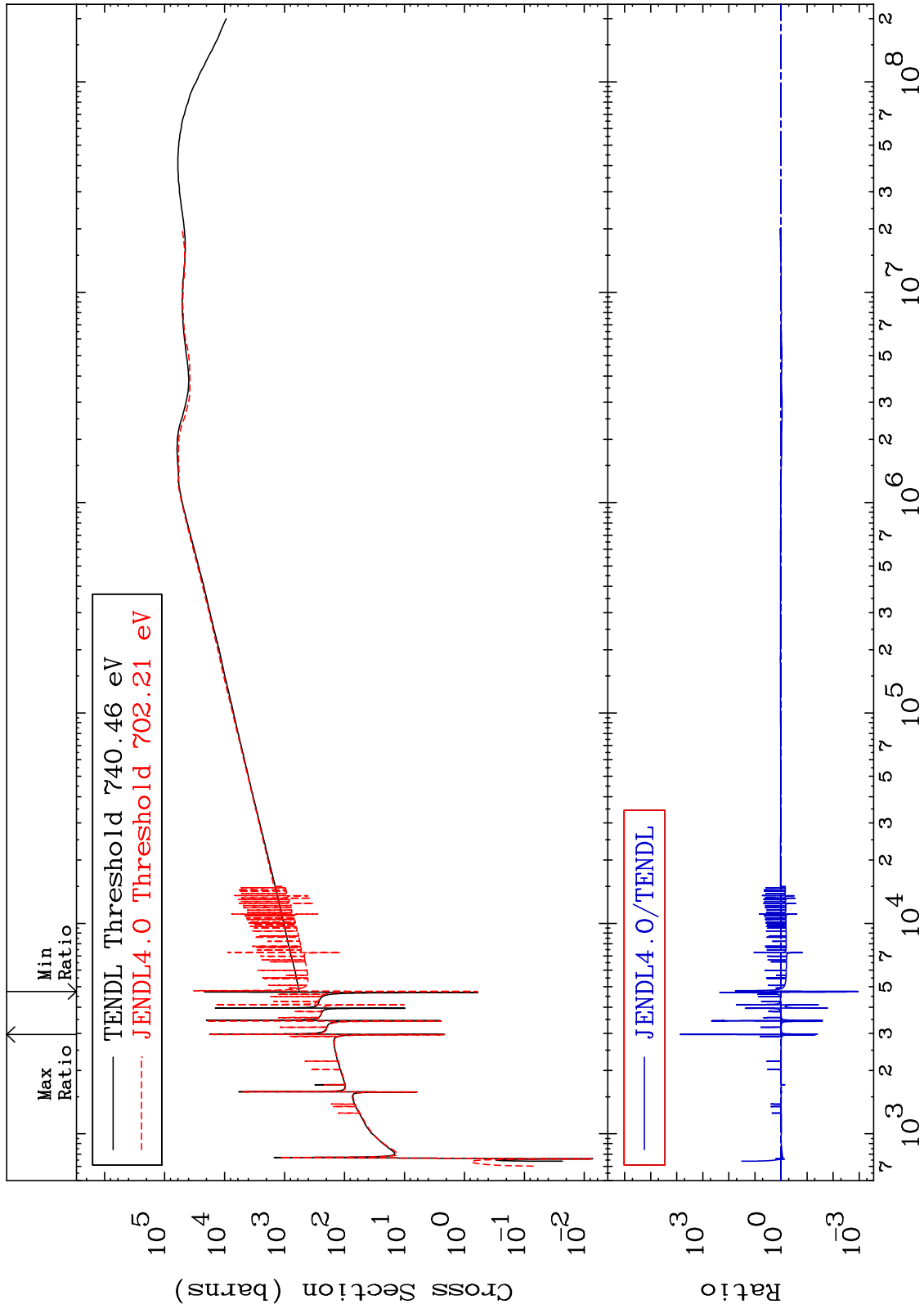
50-Sn-118
-99.83 To 9999. %



MAT 5043

Dpa elastic (mt2)
Cross Section

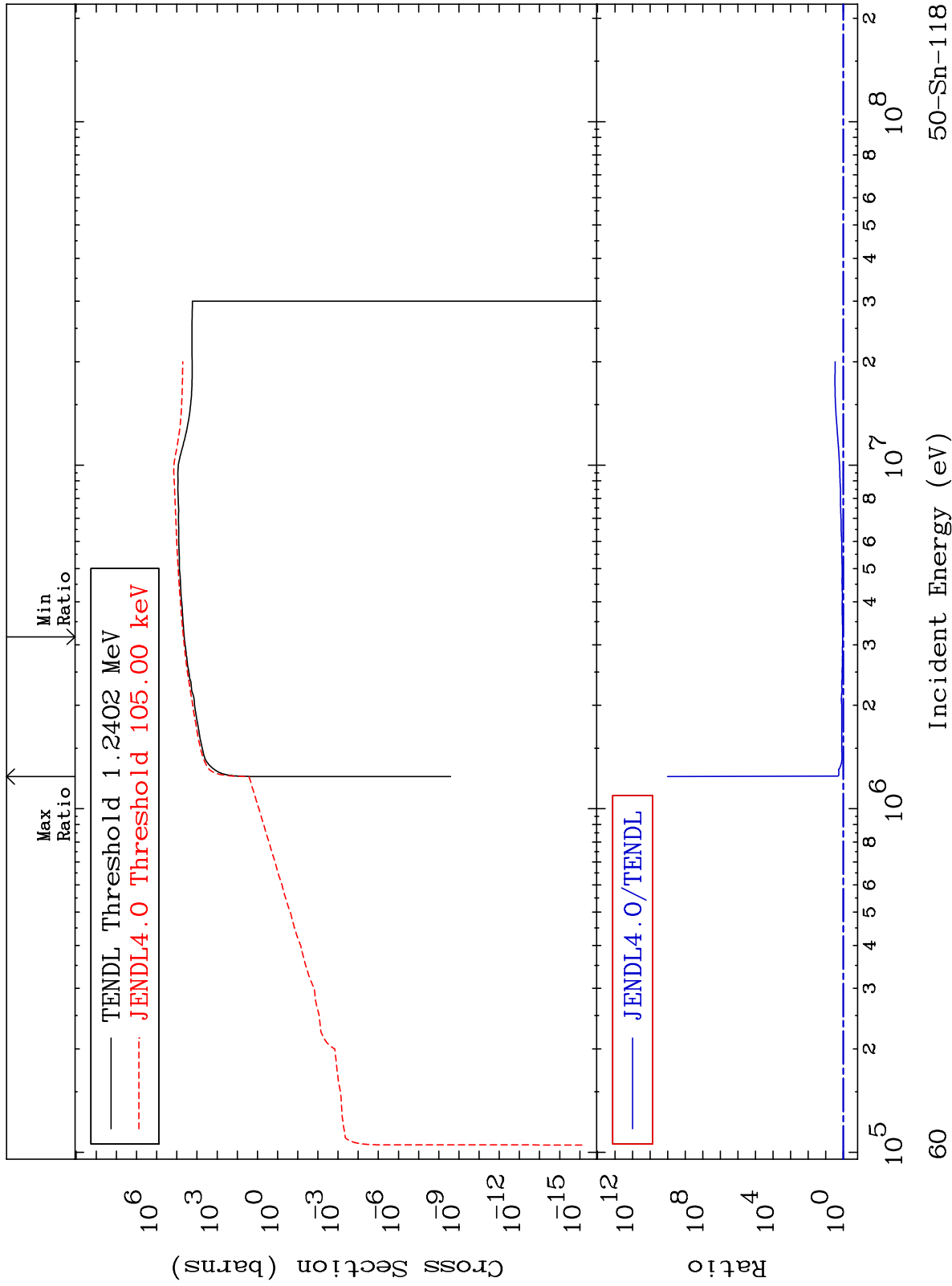
50-Sn-118
-99.89 To 9999. %



MAT 5043

Dpa inelastic (mt51-91)
Cross Section

50-Sn-118
9.463 To 9999. %



60

MAT 5043

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-118
-99.99 To 9999. %

