

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

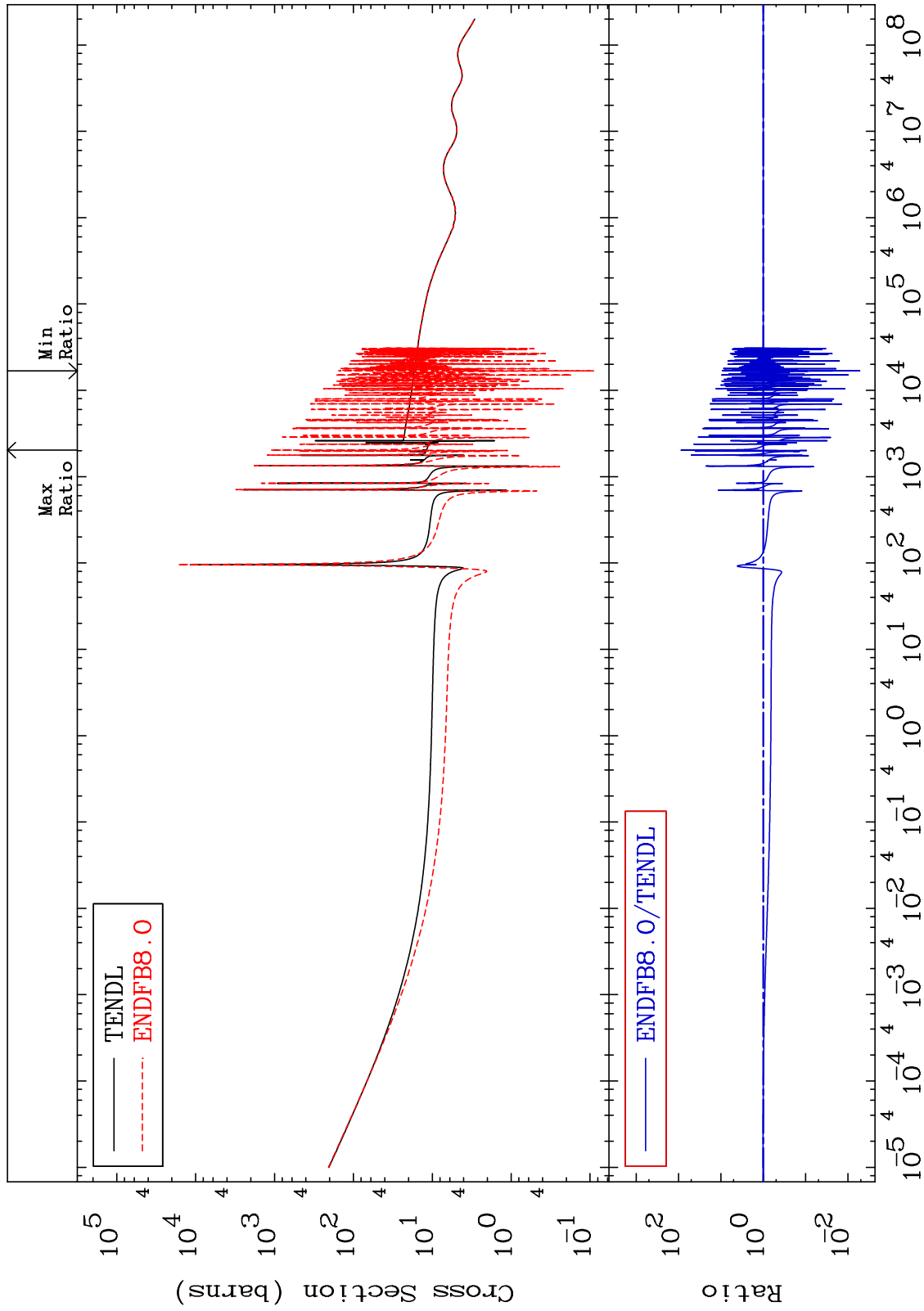
MAT 7849

Total

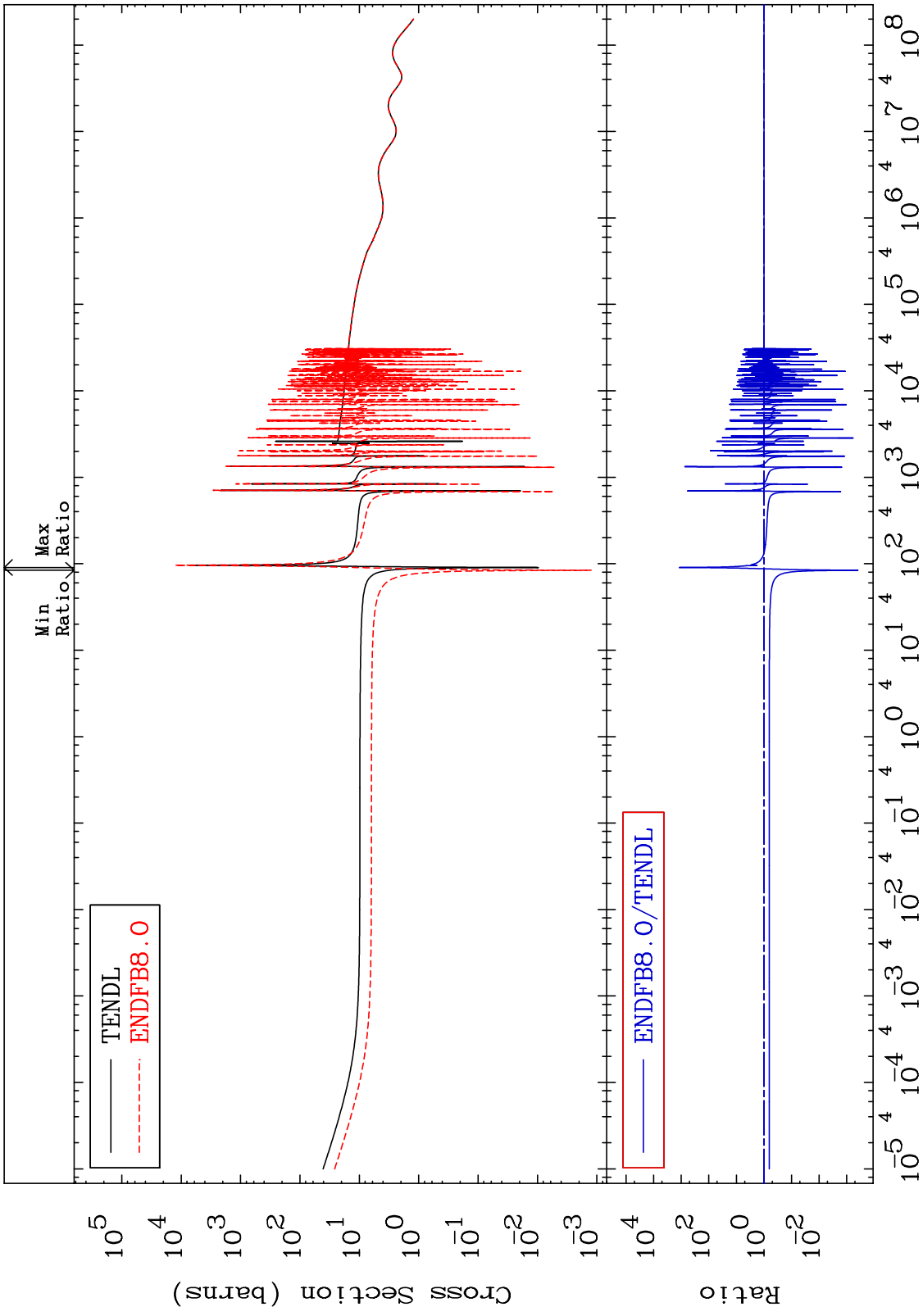
78-Pt-198

Cross Section

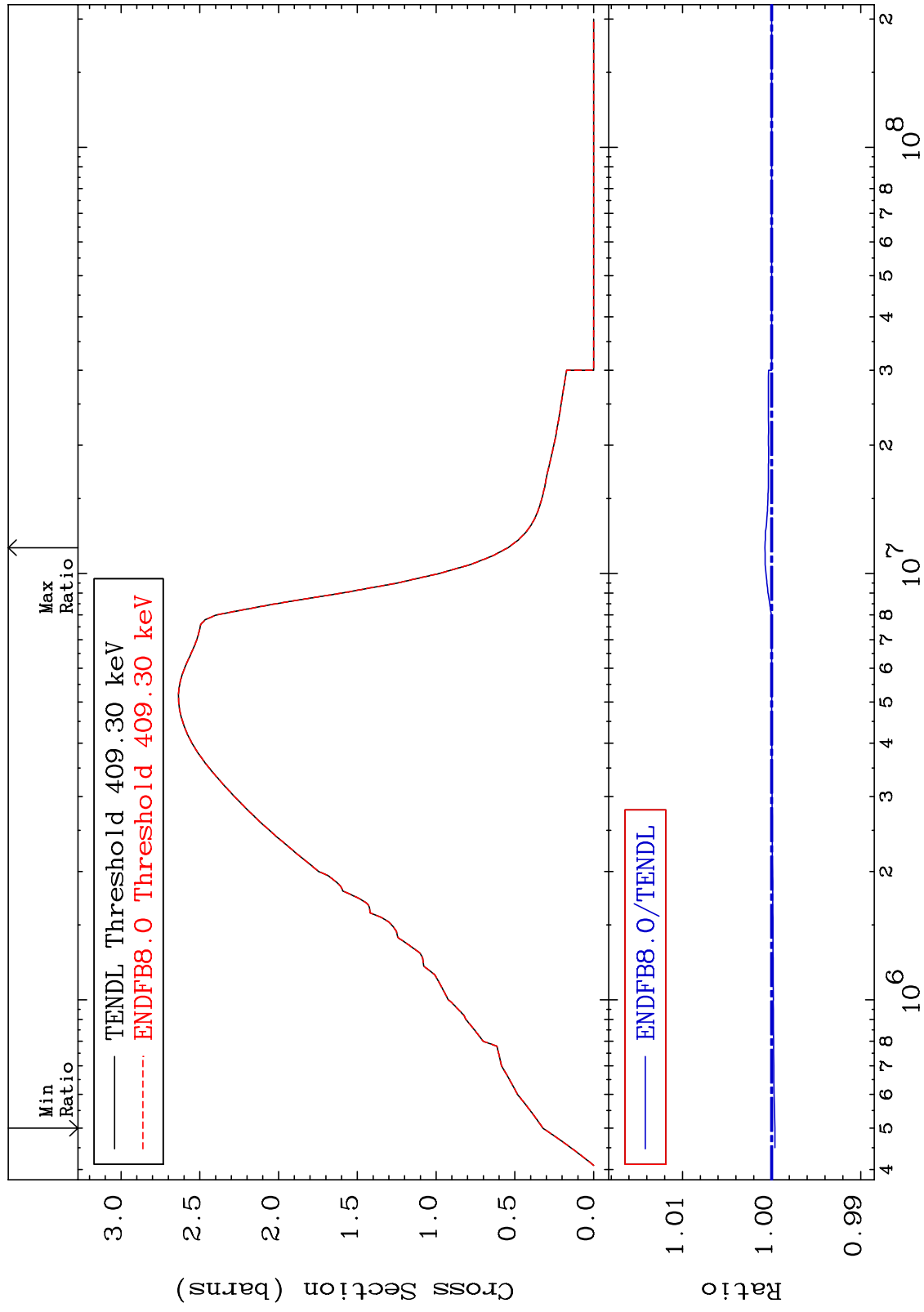
-99.47 To 8518. %



MAT 7849 Elastic Cross Section 78-Pt-198 -99.96 To 9999. %

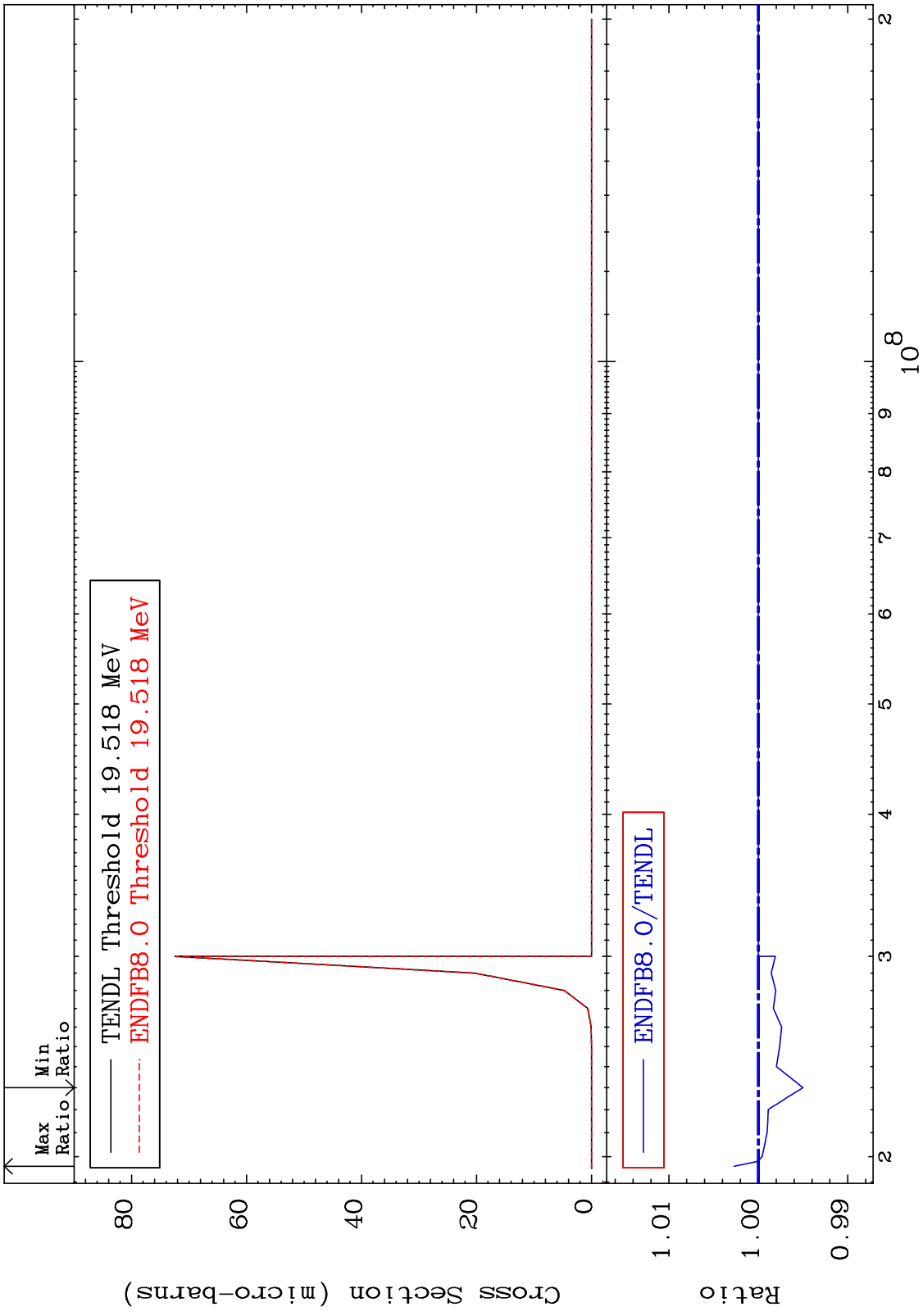


MAT 7849 Inelastic Cross Section 78-Pt-198 -0.038 To 0.074 %

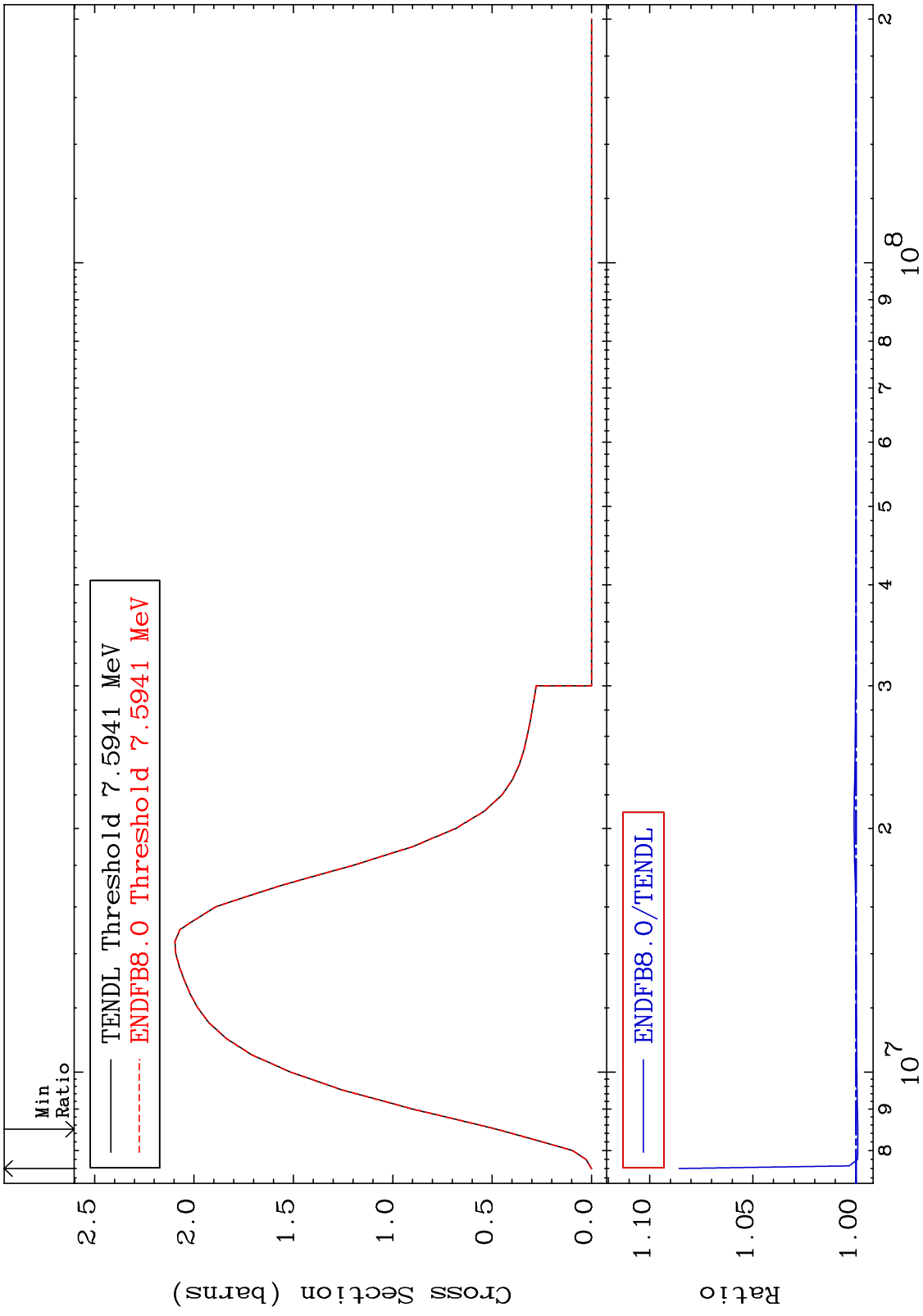


3 78-Pt-198

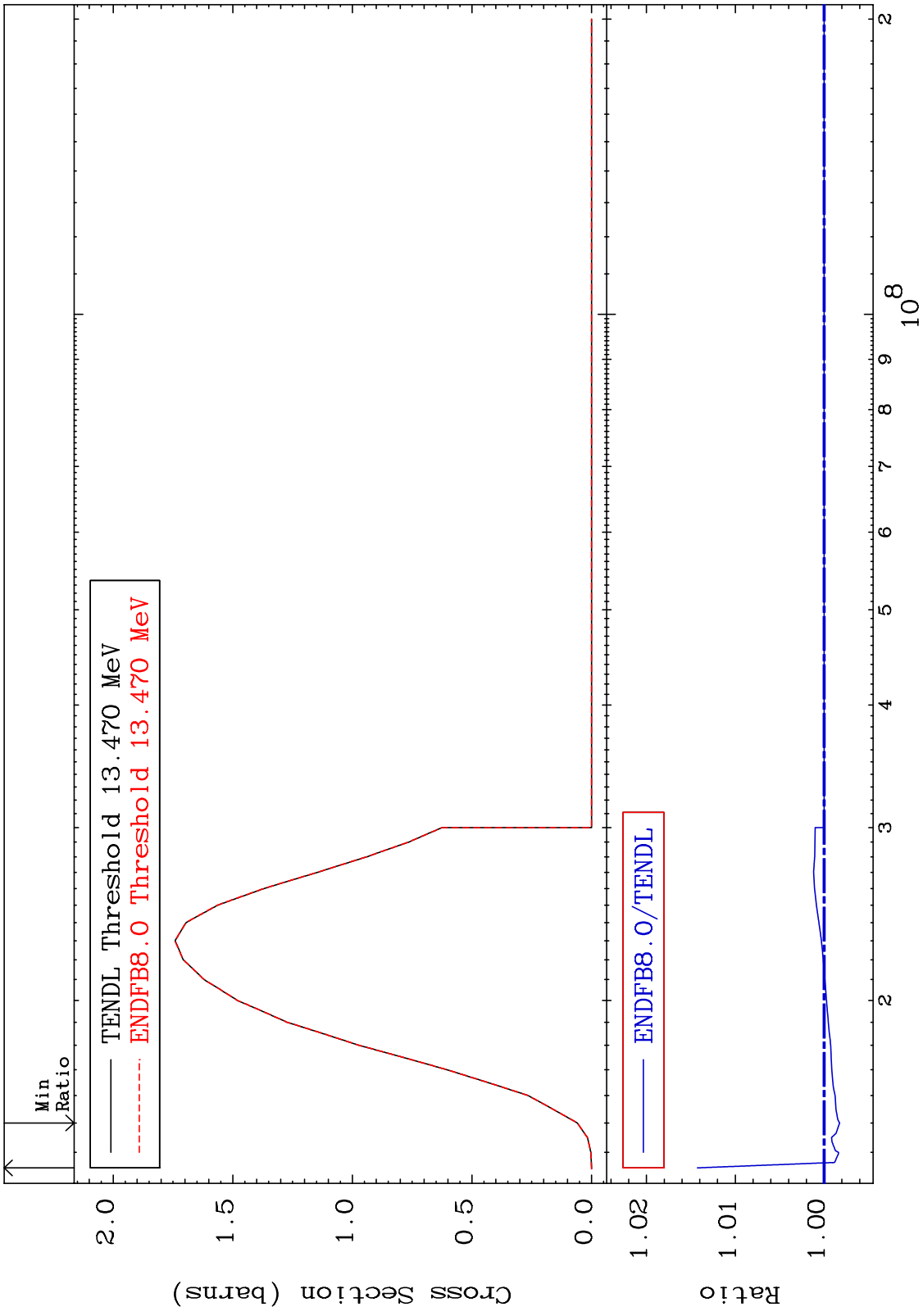
MAT 7849 (n,2n) d 78-Pt-198
 Cross Section -0.498 To 0.272 %



MAT 7849 (n,2n) Cross Section 78-Pt-198 -0.091 To 8.578 %



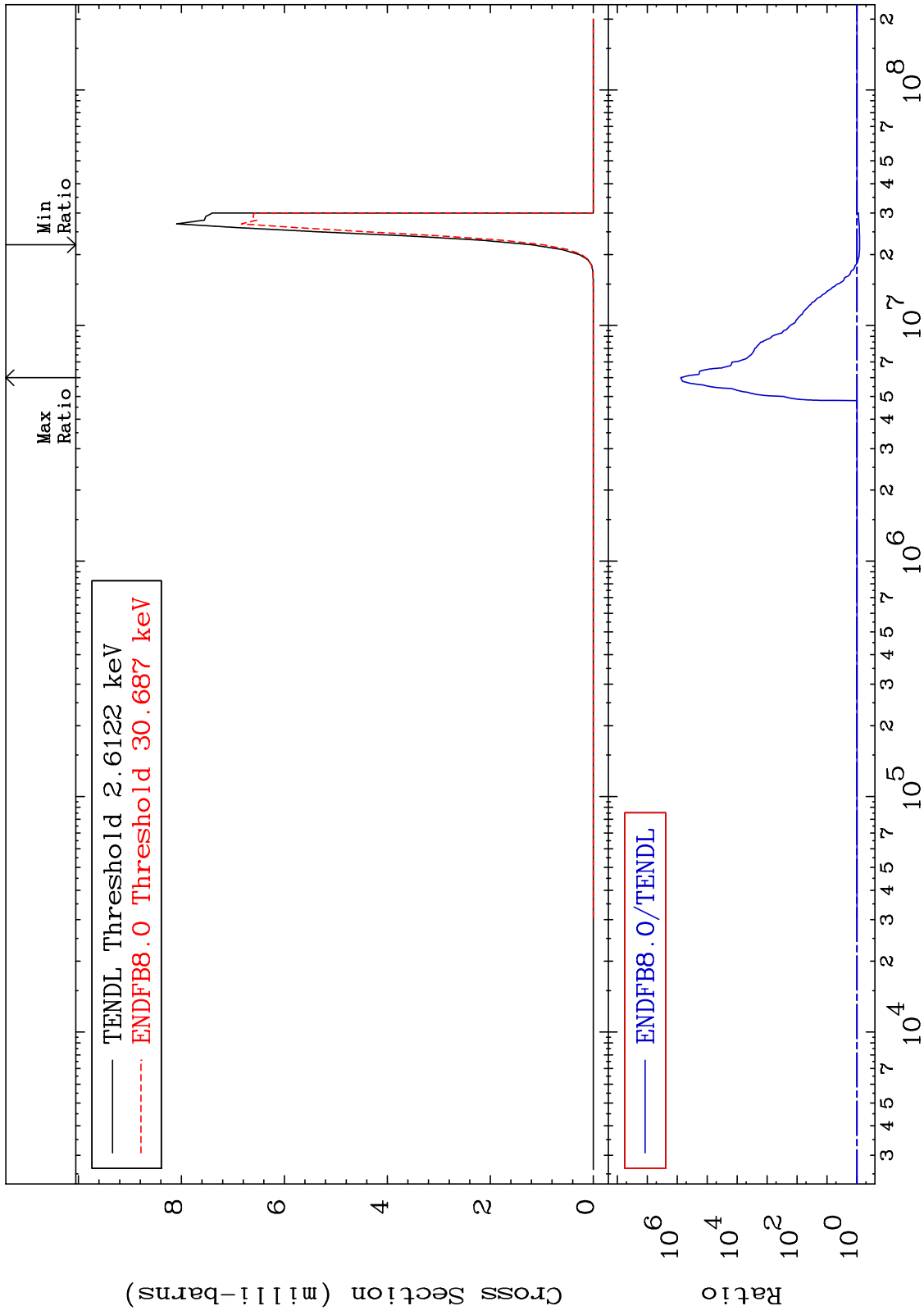
MAT 7849 (n,3n) Cross Section 78-Pt-198
 -0.173 To 1.428 %



MAT 7849

$(n, n') \alpha$
Cross Section

78-Pt-198
-18.87 To 9999. %



7

Incident Energy (eV)

78-Pt-198

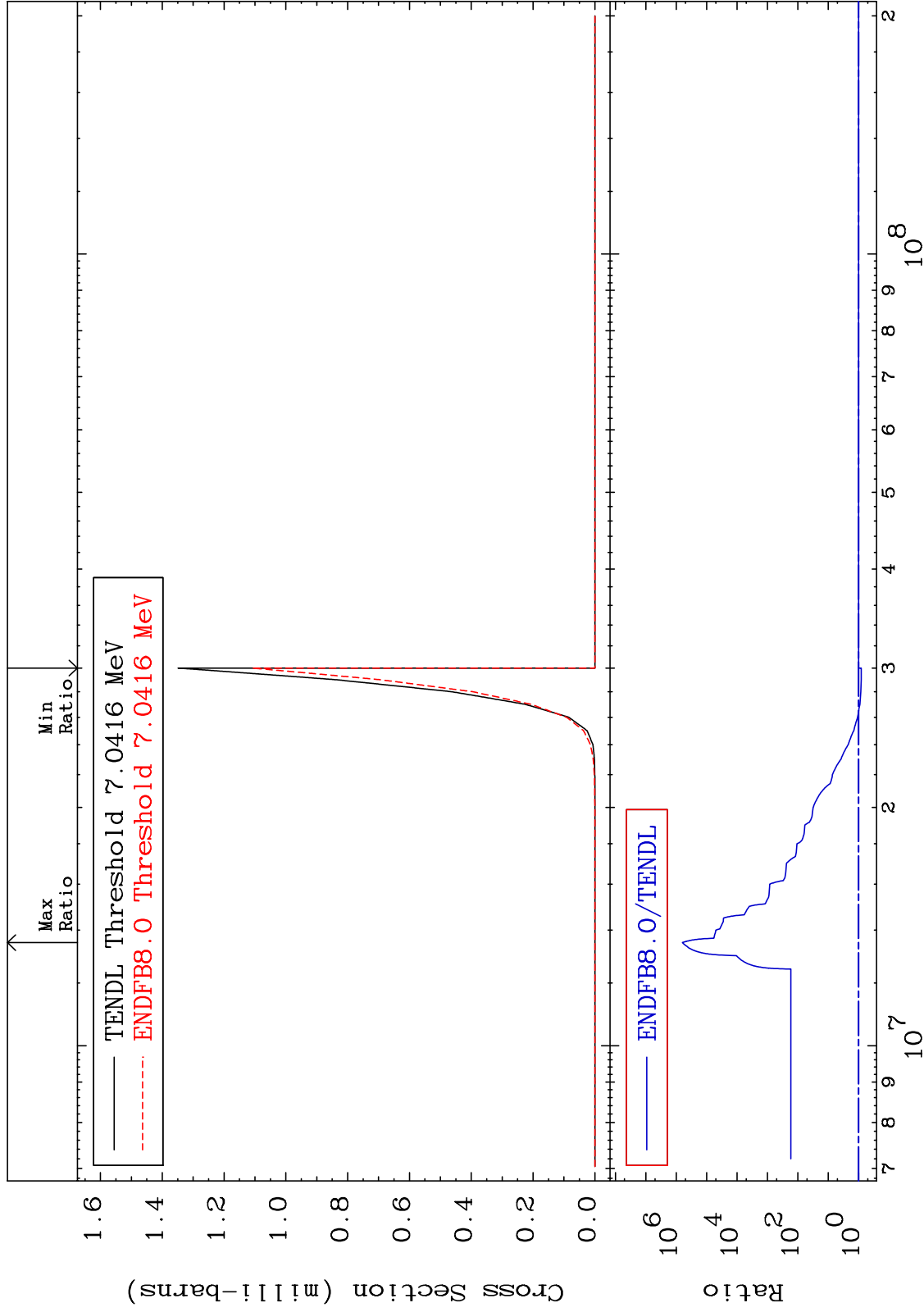
MAT 7849

(n,2n) α

78-Pt-198

-17.67 To 9999. %

Cross Section

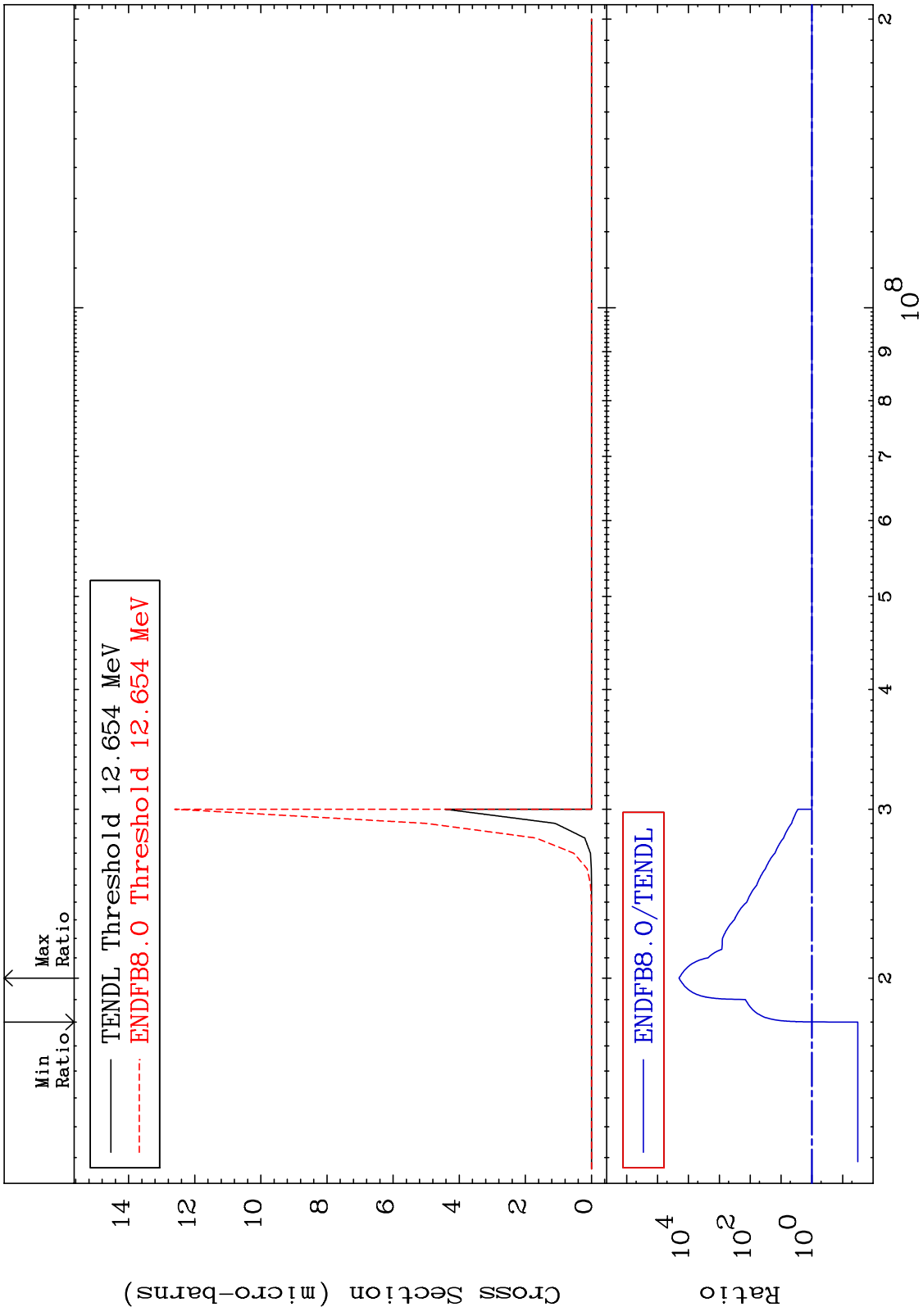


8

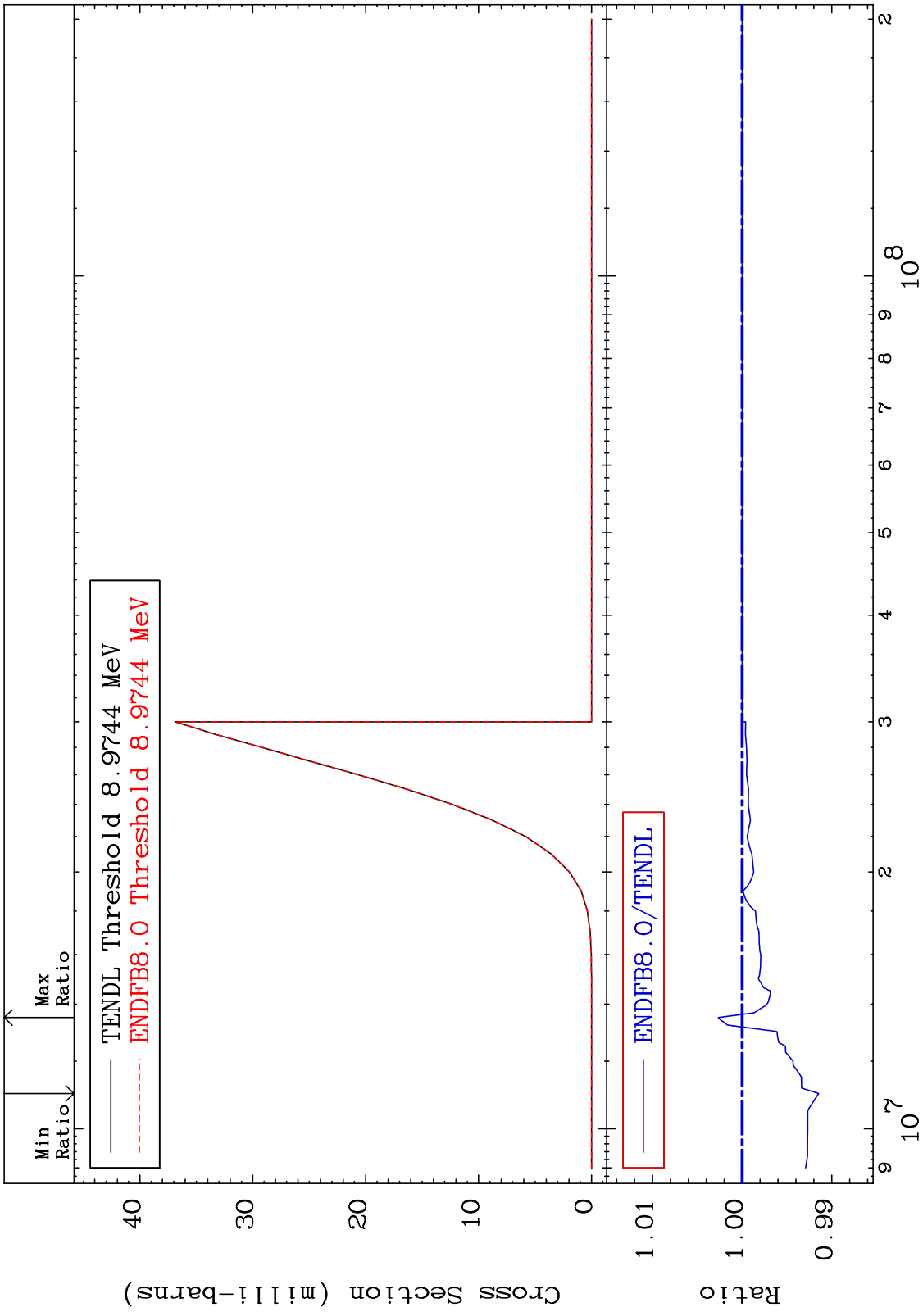
Incident Energy (eV)

78-Pt-198

MAT 7849 (n,3n) α 78-Pt-198
 Cross Section -96.77 To 9999. %

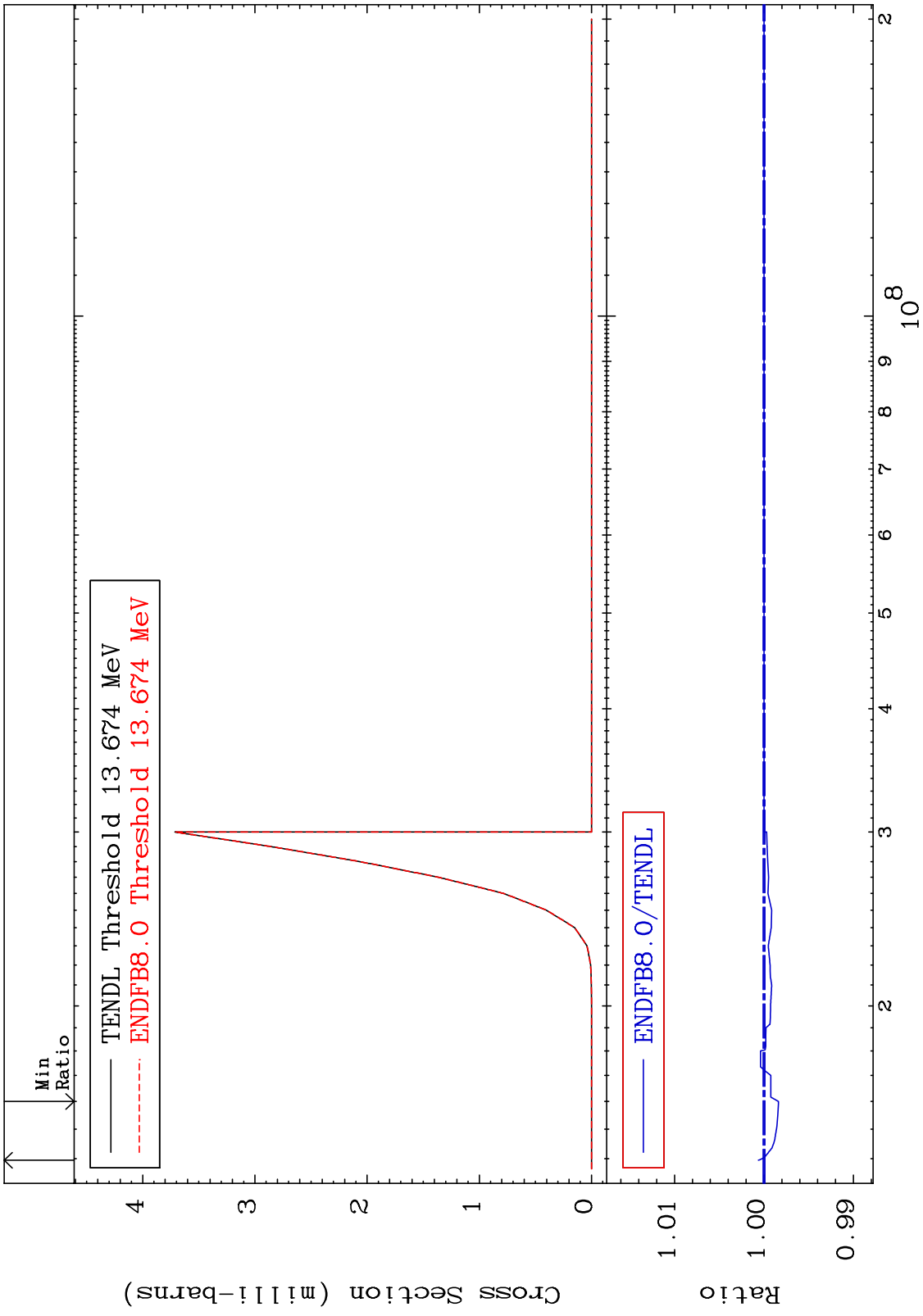


MAT 7849 (n,n') p 78-Pt-198
 Cross Section -0.853 To 0.267 %

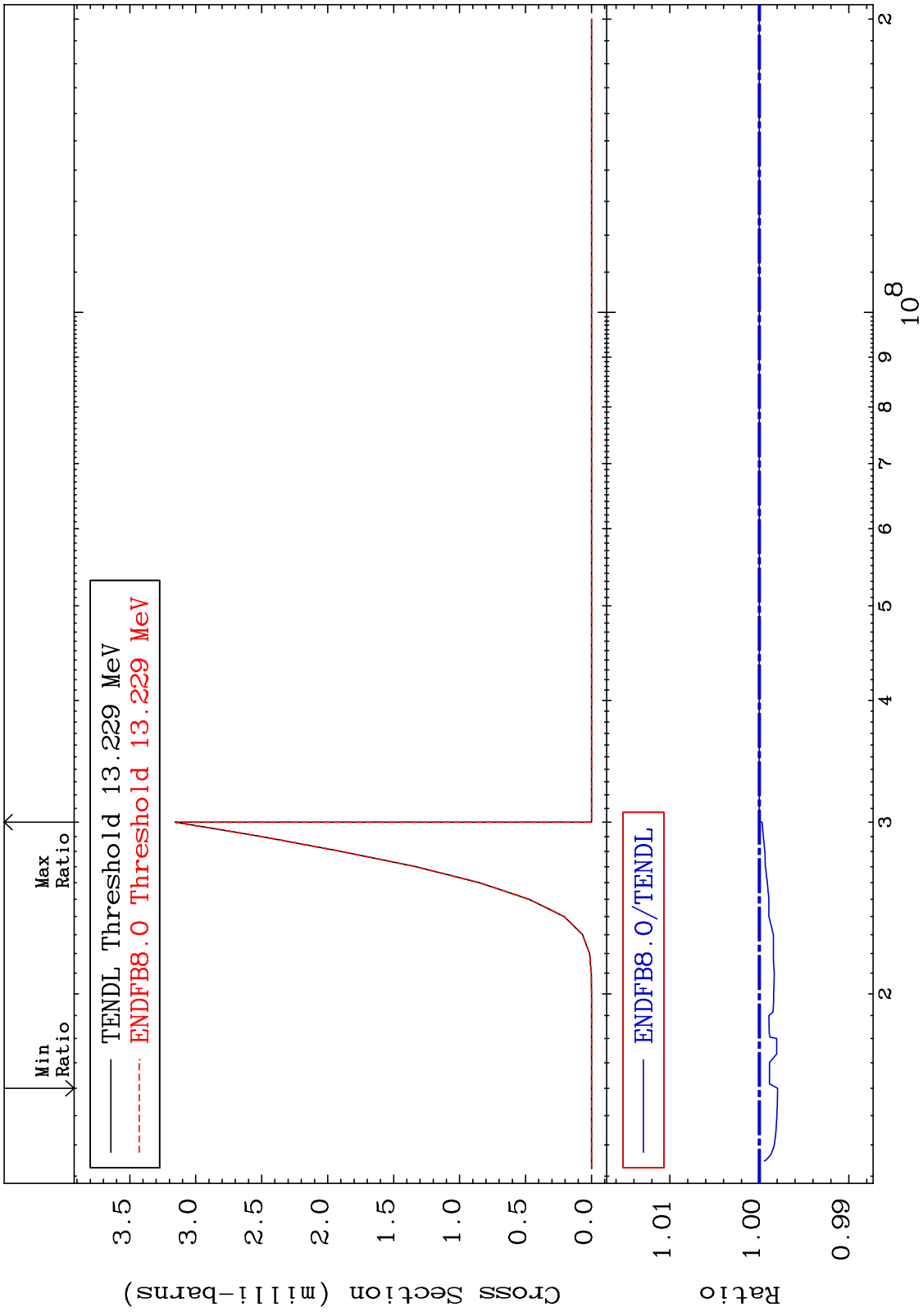


Incident Energy (eV) 78-Pt-198

MAT 7849 (n,n') d 78-Pt-198
 Cross Section -0.162 To 0.062 %



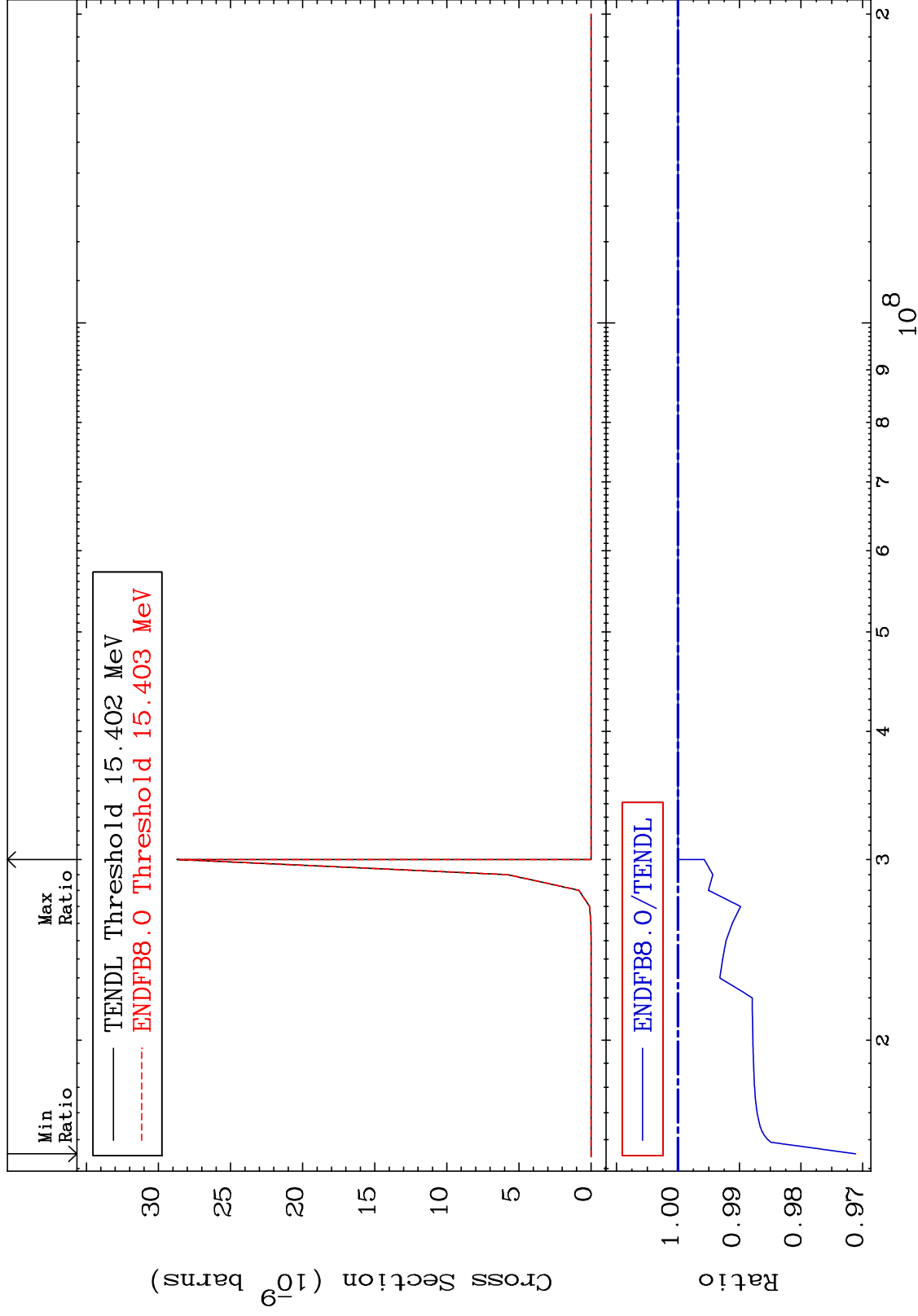
MAT 7849 (n,n') t 78-Pt-198
 Cross Section -0.204 To 0.000 %



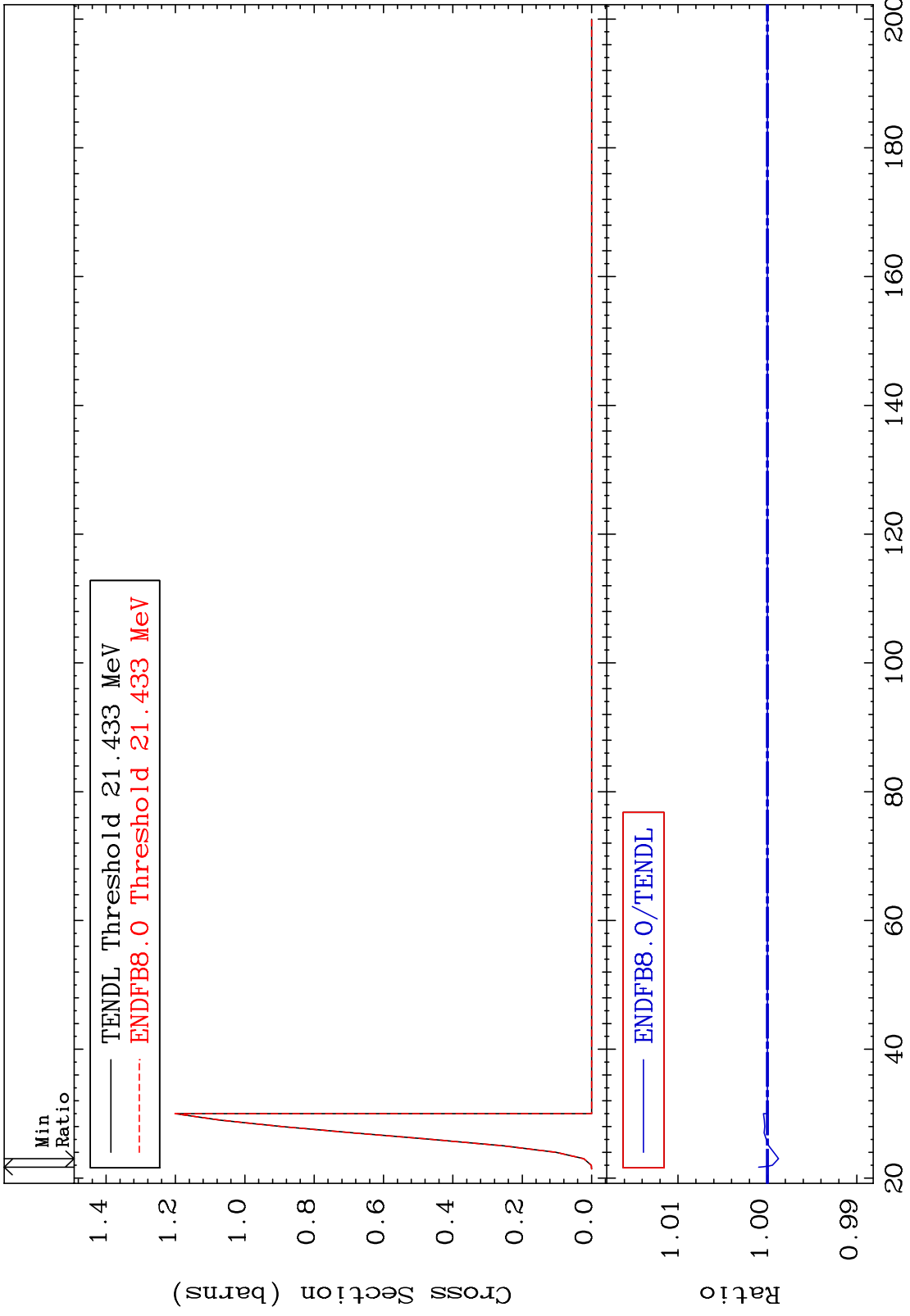
MAT 7849

(n, n') He-3
Cross Section

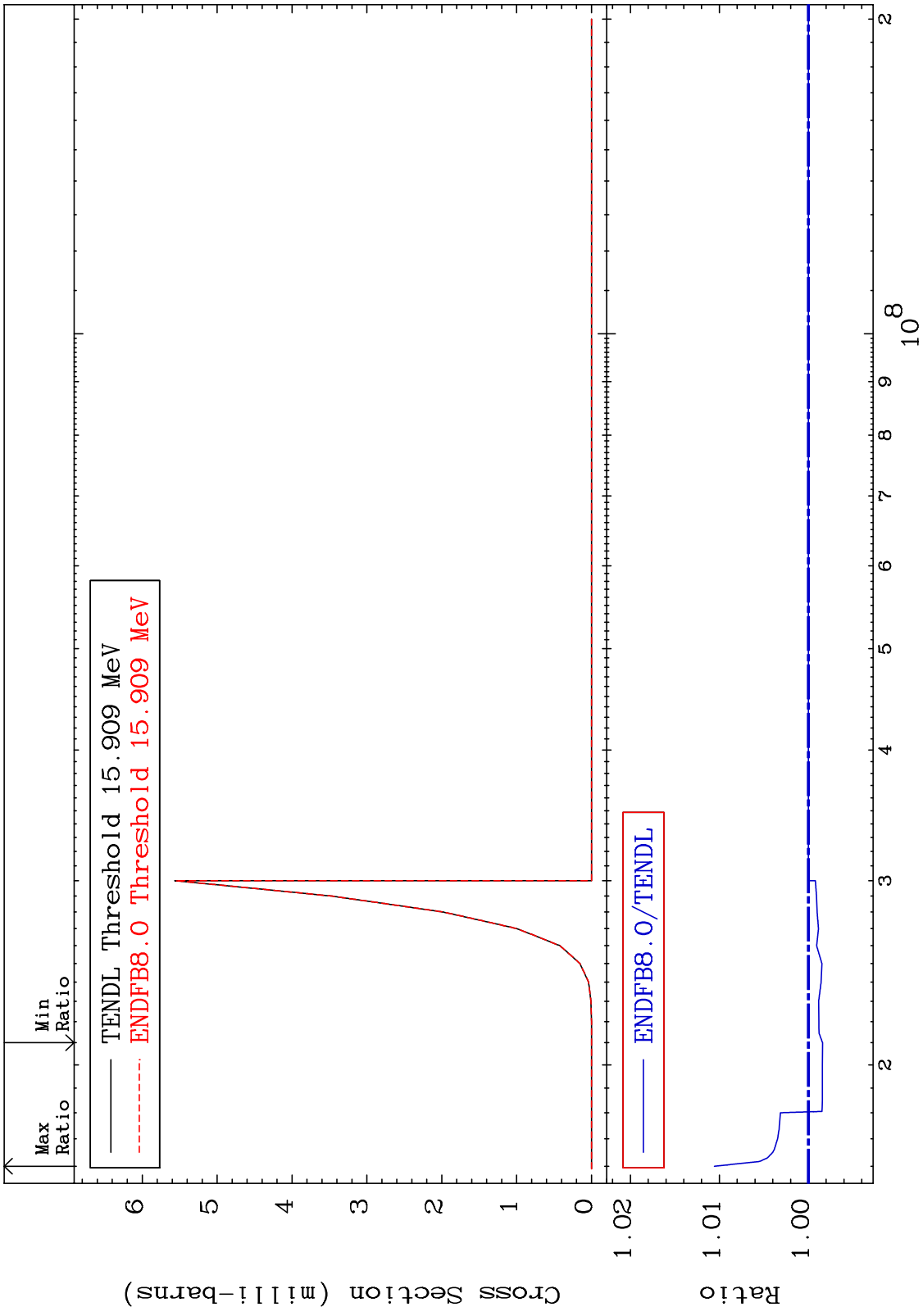
78-Pt-198
-2.889 To 0.000 %



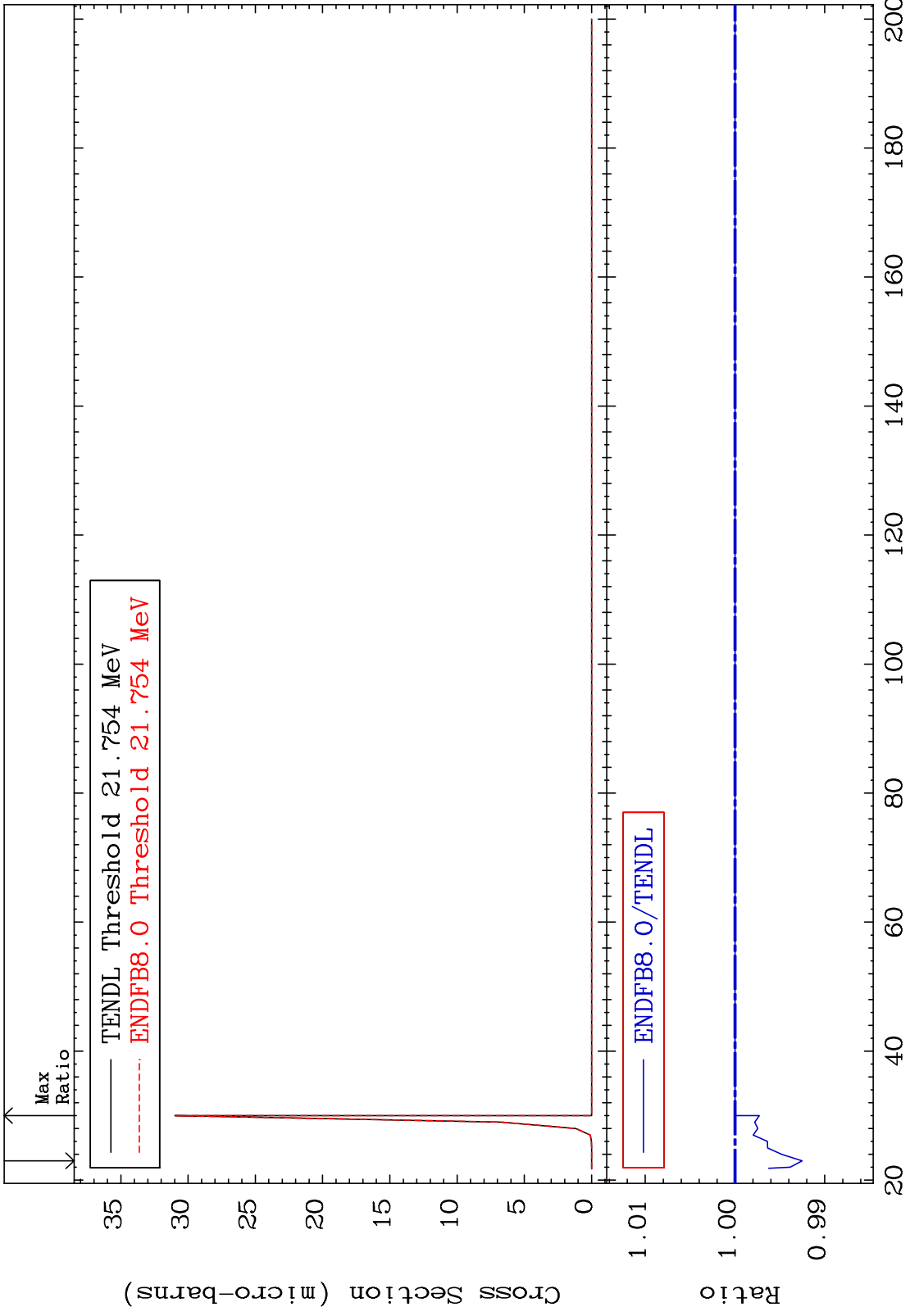
MAT 7849 (n,4n) 78-Pt-198
 Cross Section -0.124 To 0.098 %



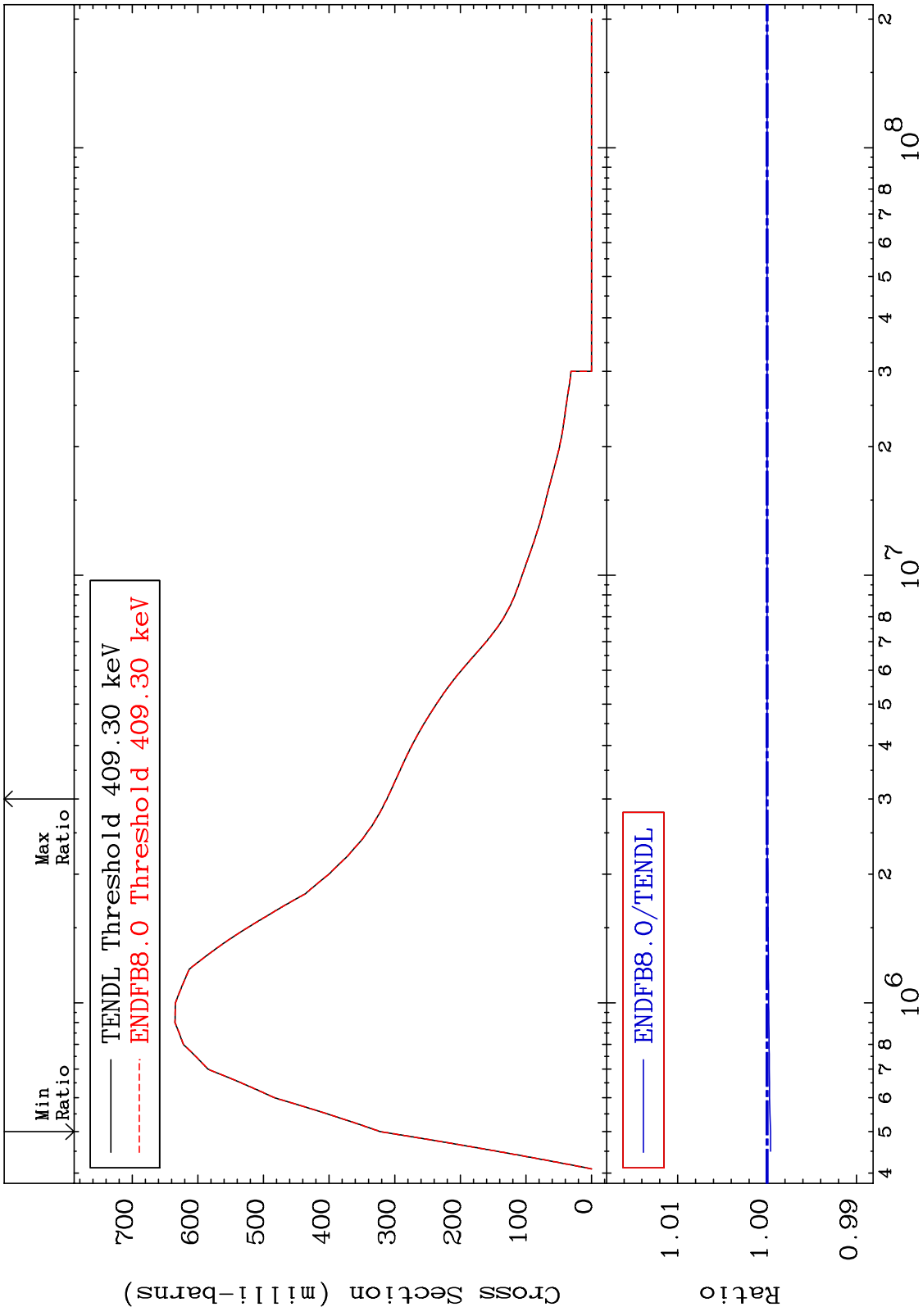
MAT 7849 (n,2n) p 78-Pt-198
 Cross Section -0.159 To 1.057 %



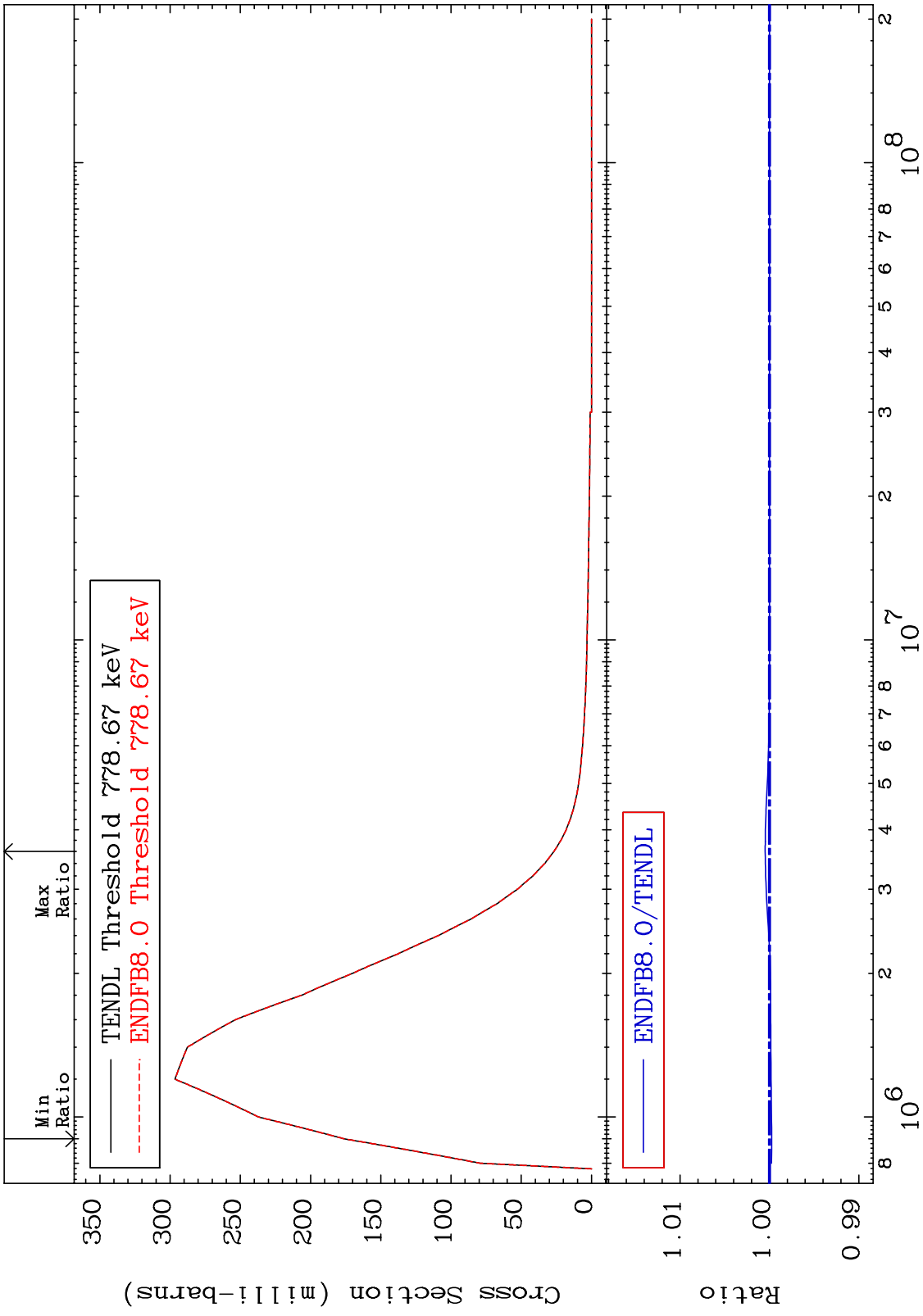
MAT 7849 (n,3n) p 78-Pt-198
Cross Section -0.747 To 0.000 %



MAT 7849 MT= 51 (n,n') Level Cross Section 78-Pt-198
 -0.038 To 0.008 %

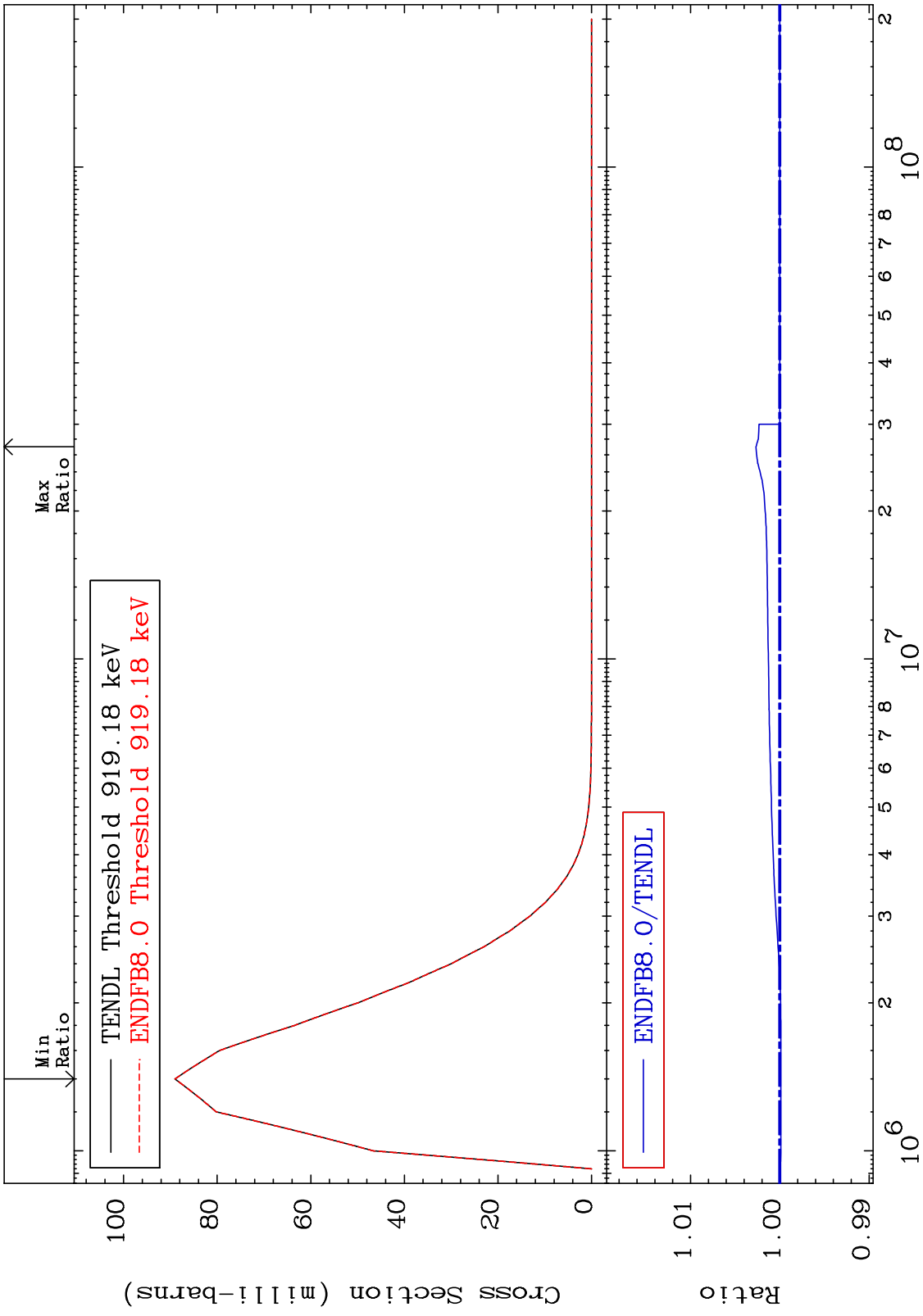


MAT 7849 MT= 52 (n,n') Level Cross Section 78-Pt-198 -0.026 To 0.047 %



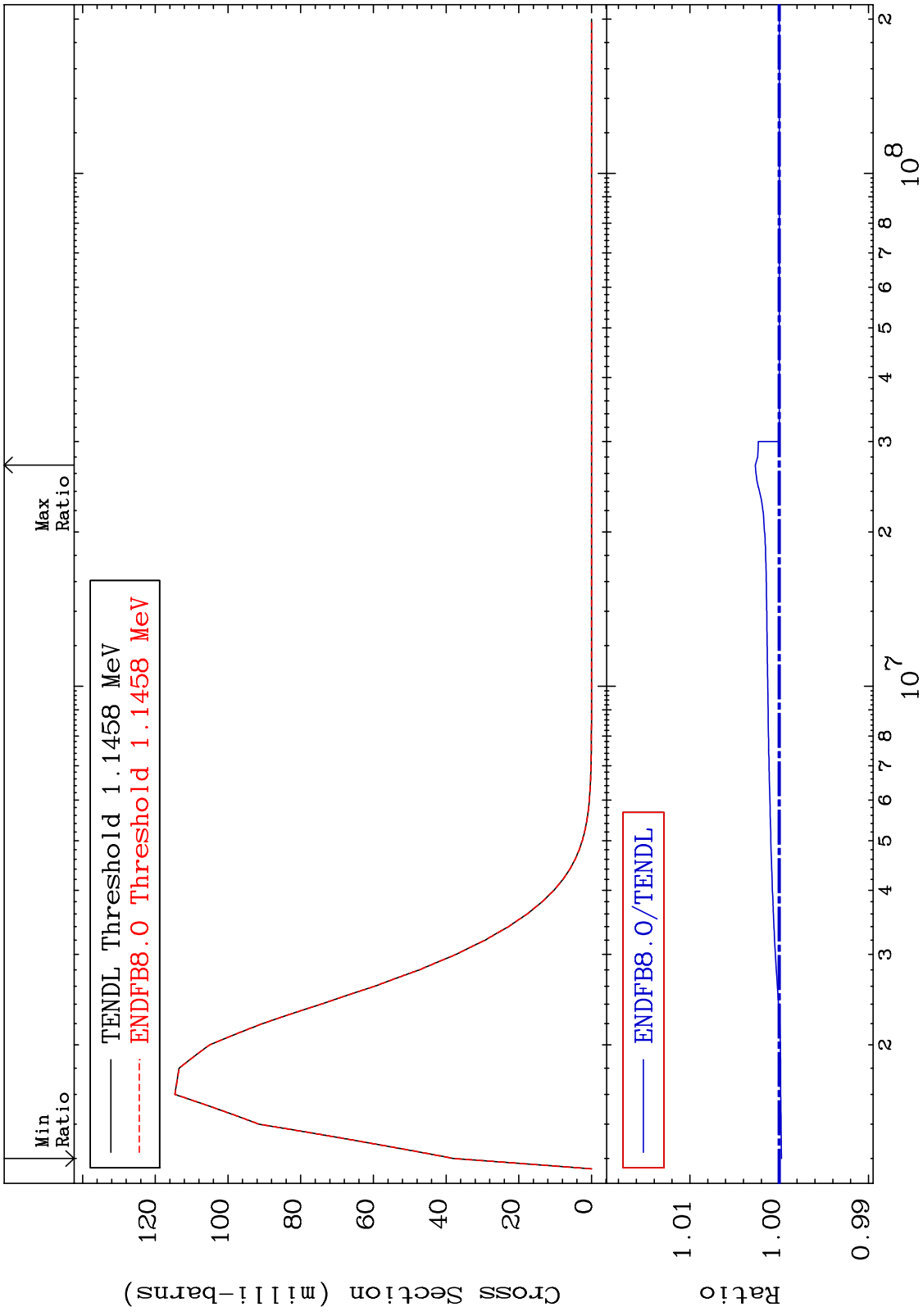
18 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 53 (n,n') Level Cross Section 78-Pt-198
-0.012 To 0.267 %

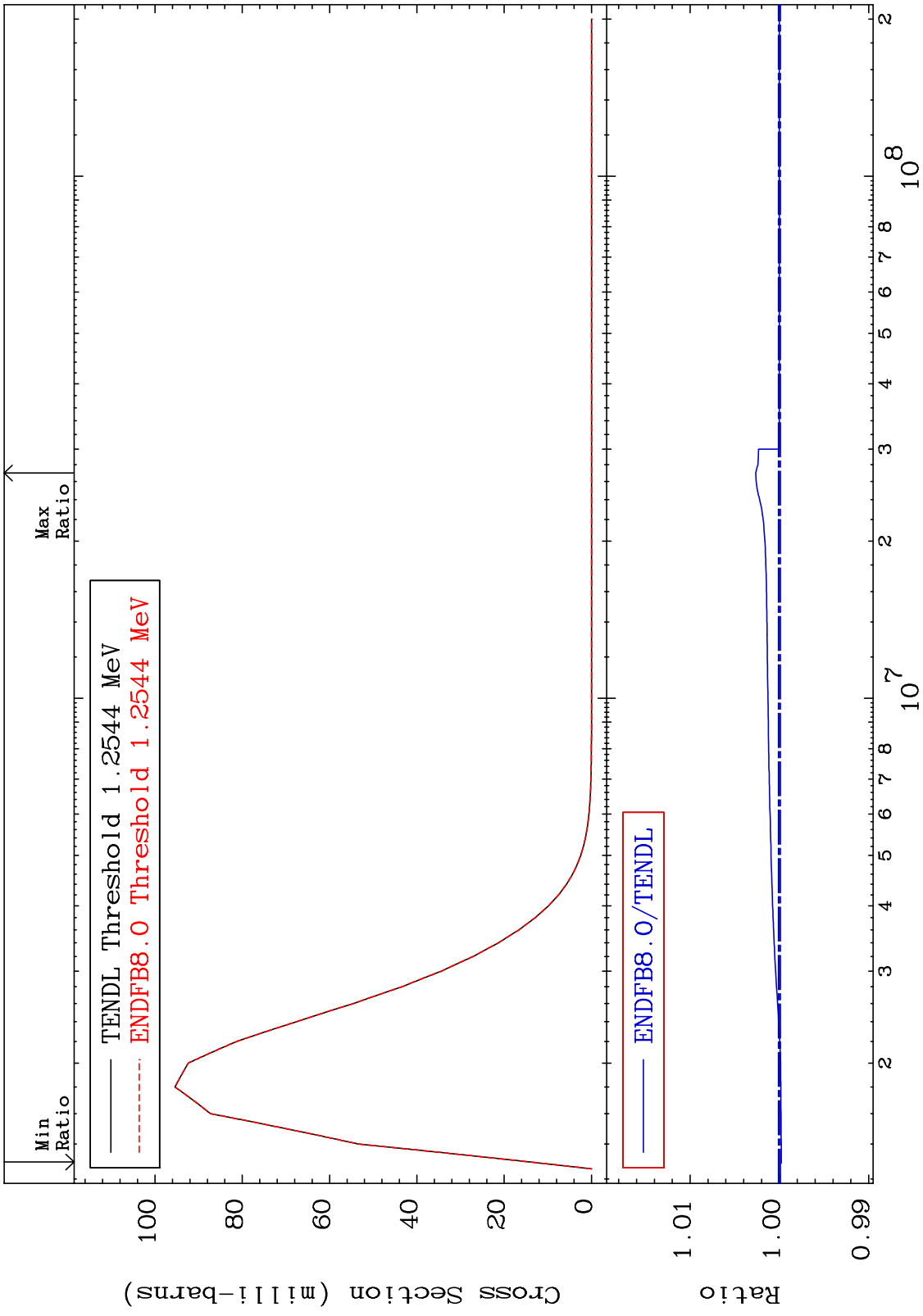


19 Incident Energy (eV) 78-Pt-198

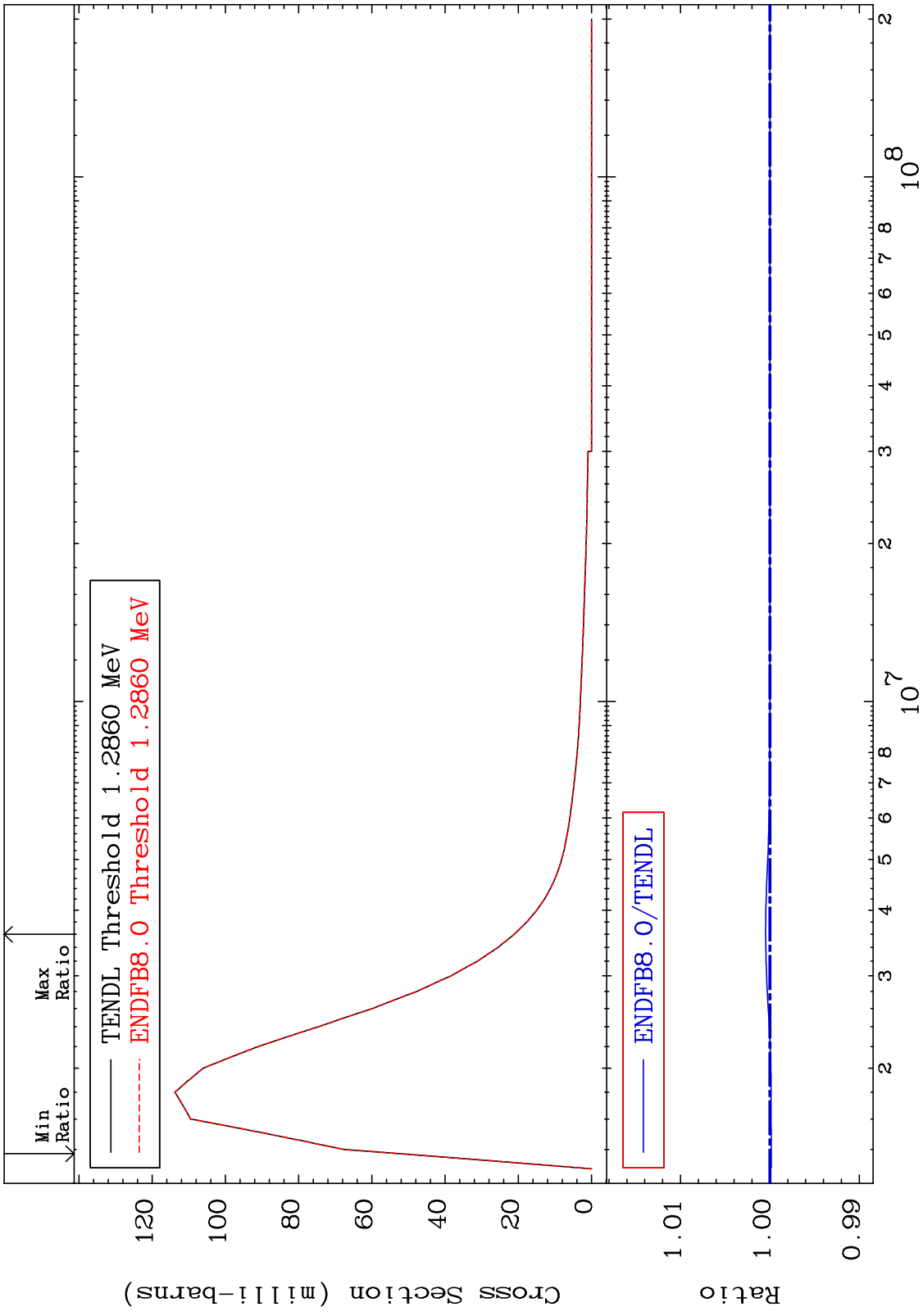
MAT 7849 MT= 55 (n,n') Level Cross Section 78-Pt-198
 -0.026 To 0.267 %



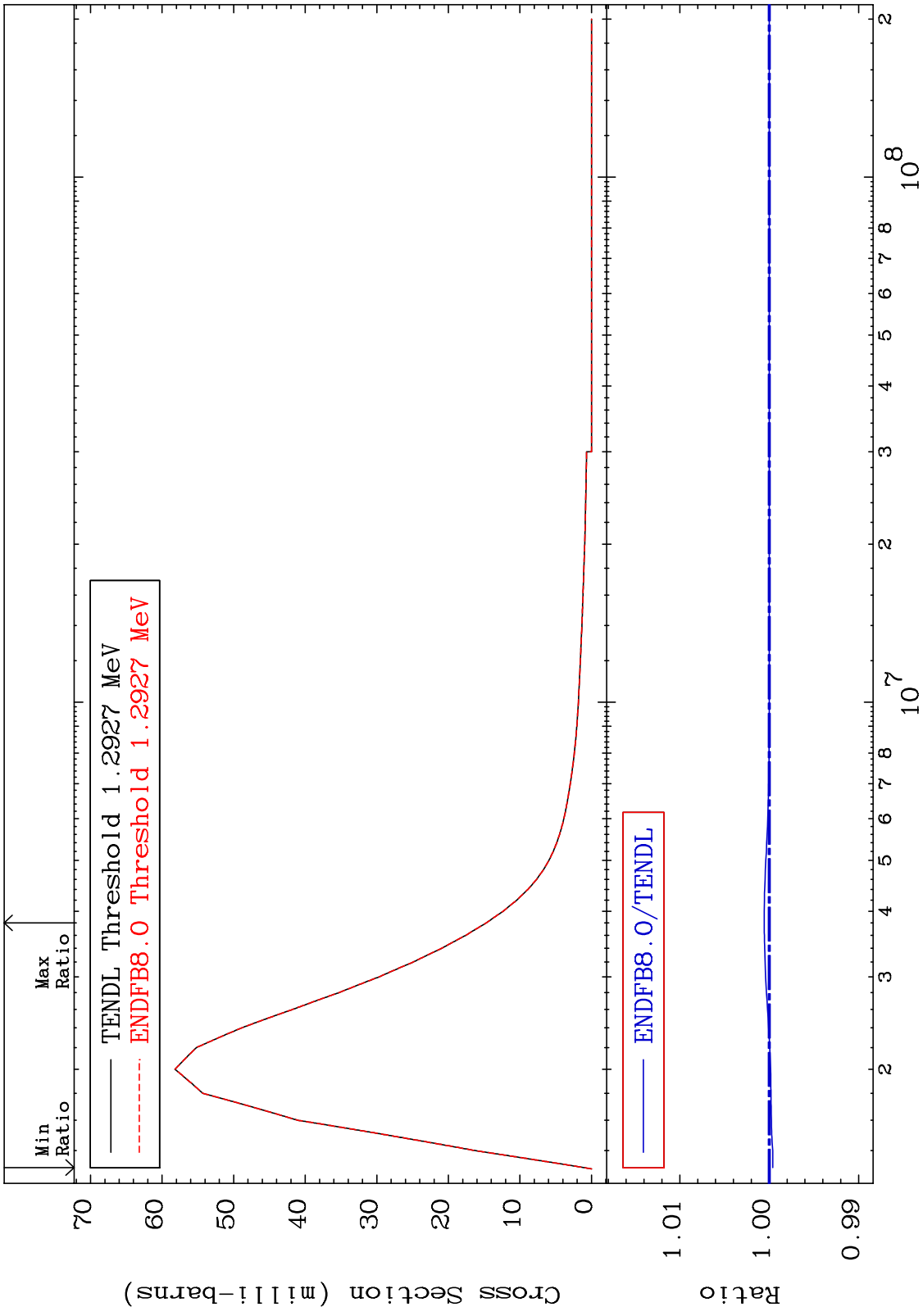
MAT 7849 MT= 56 (n,n') Level Cross Section 78-Pt-198
 -0.021 To 0.267 %



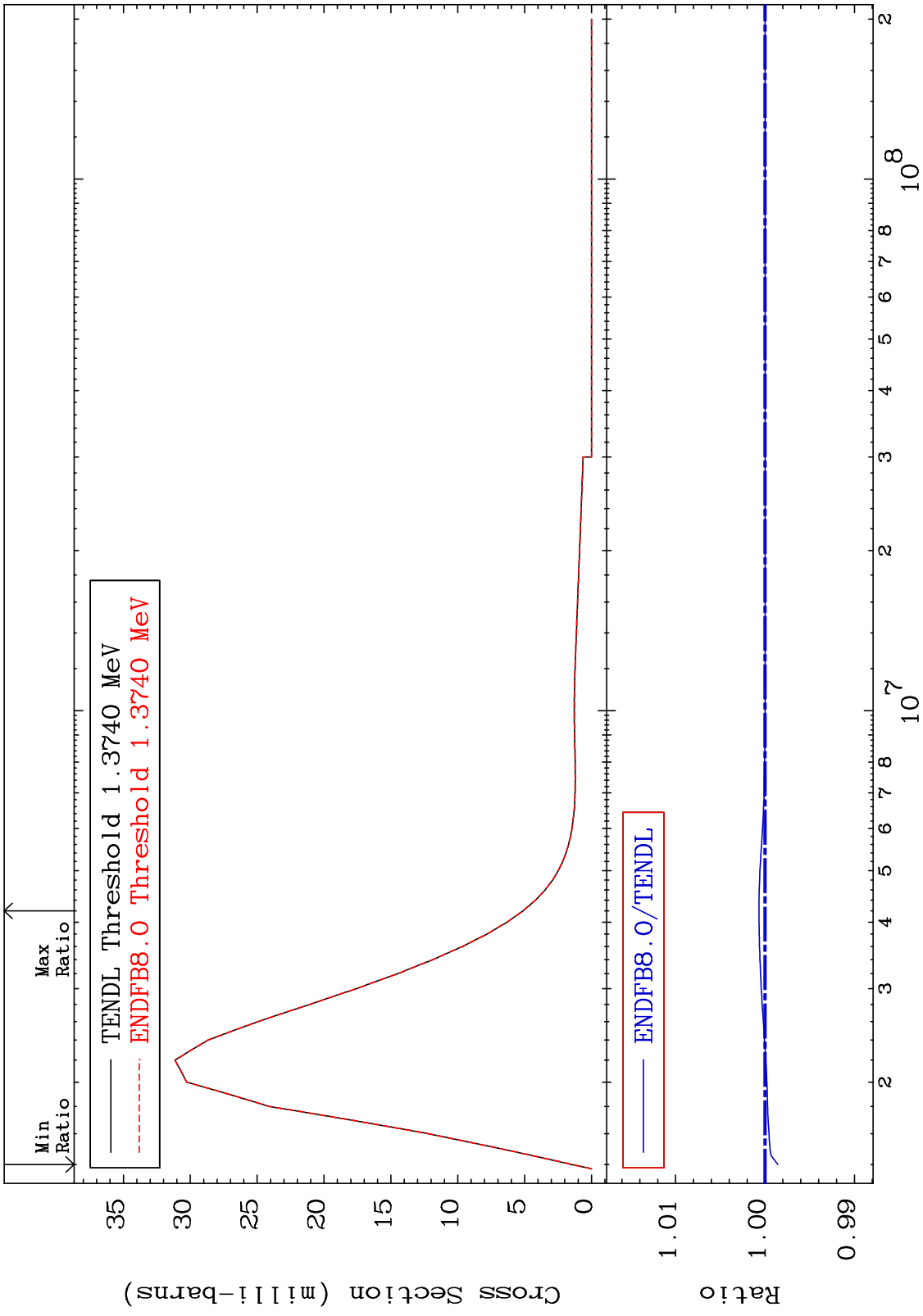
MAT 7849 MT= 57 (n,n') Level Cross Section 78-Pt-198
 -0.016 To 0.047 %



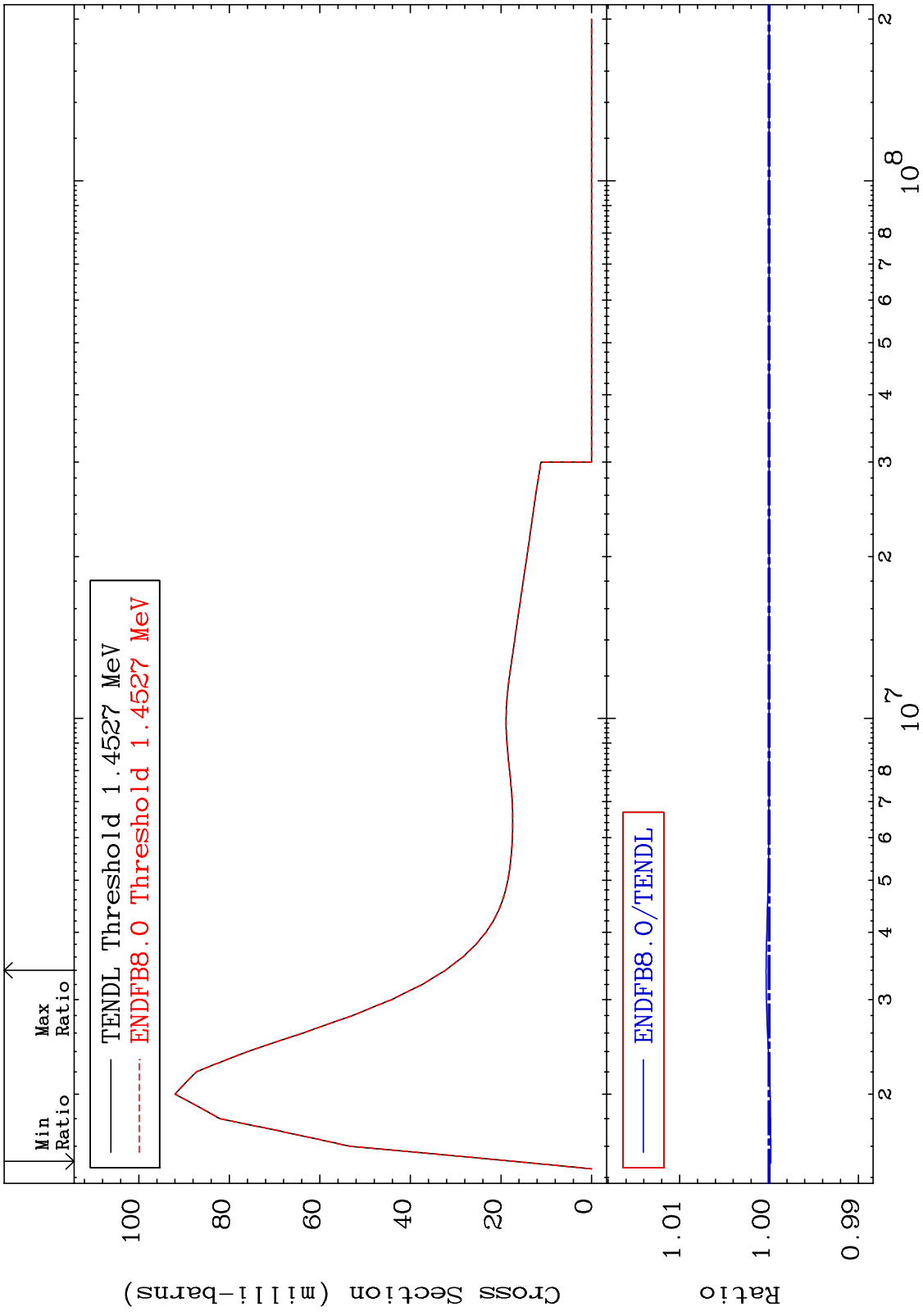
MAT 7849 MT= 58 (n,n') Level Cross Section 78-Pt-198
 -0.039 To 0.056 %



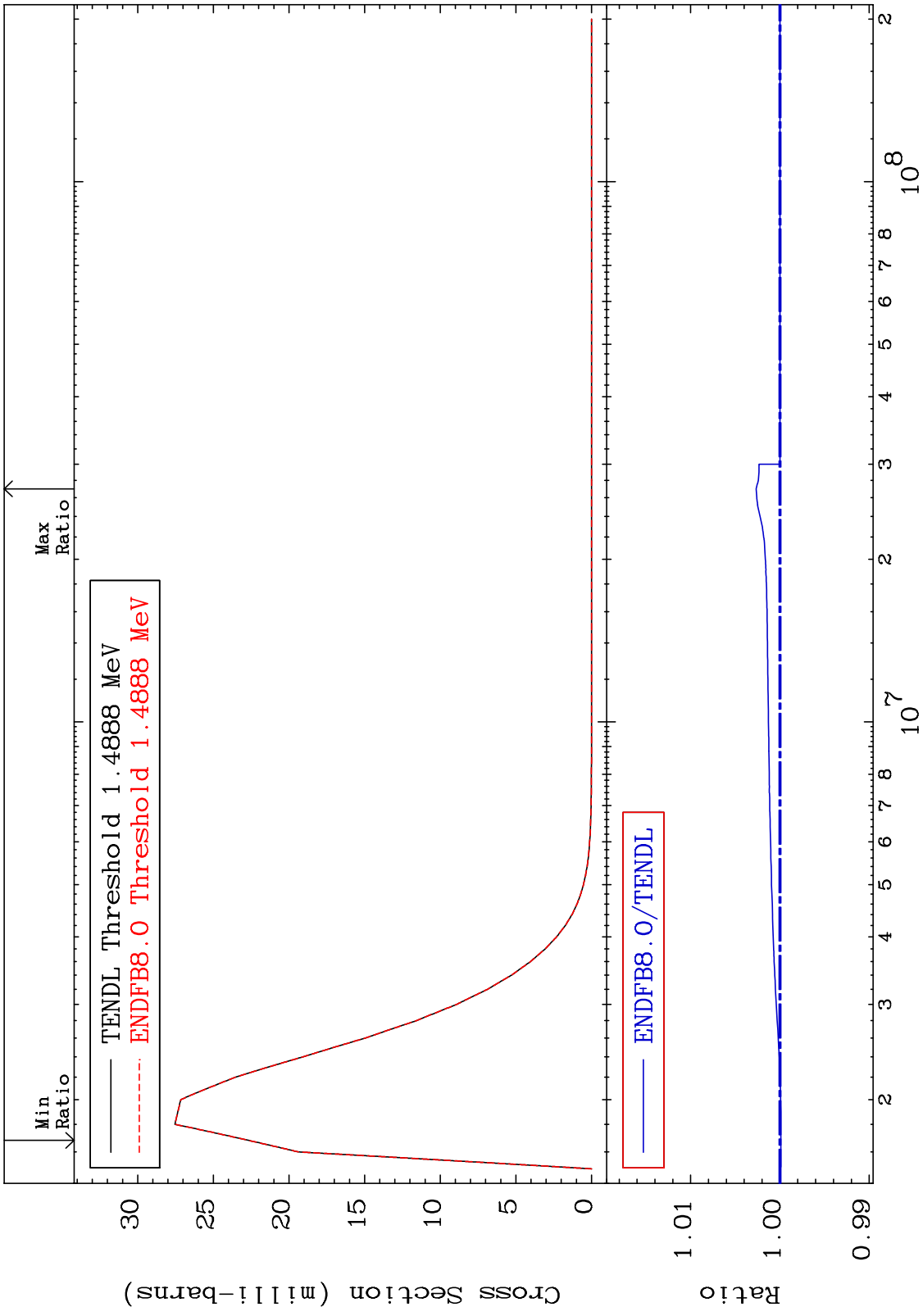
MAT 7849 MT= 59 (n,n') Level Cross Section 78-Pt-198
 -0.144 To 0.067 %



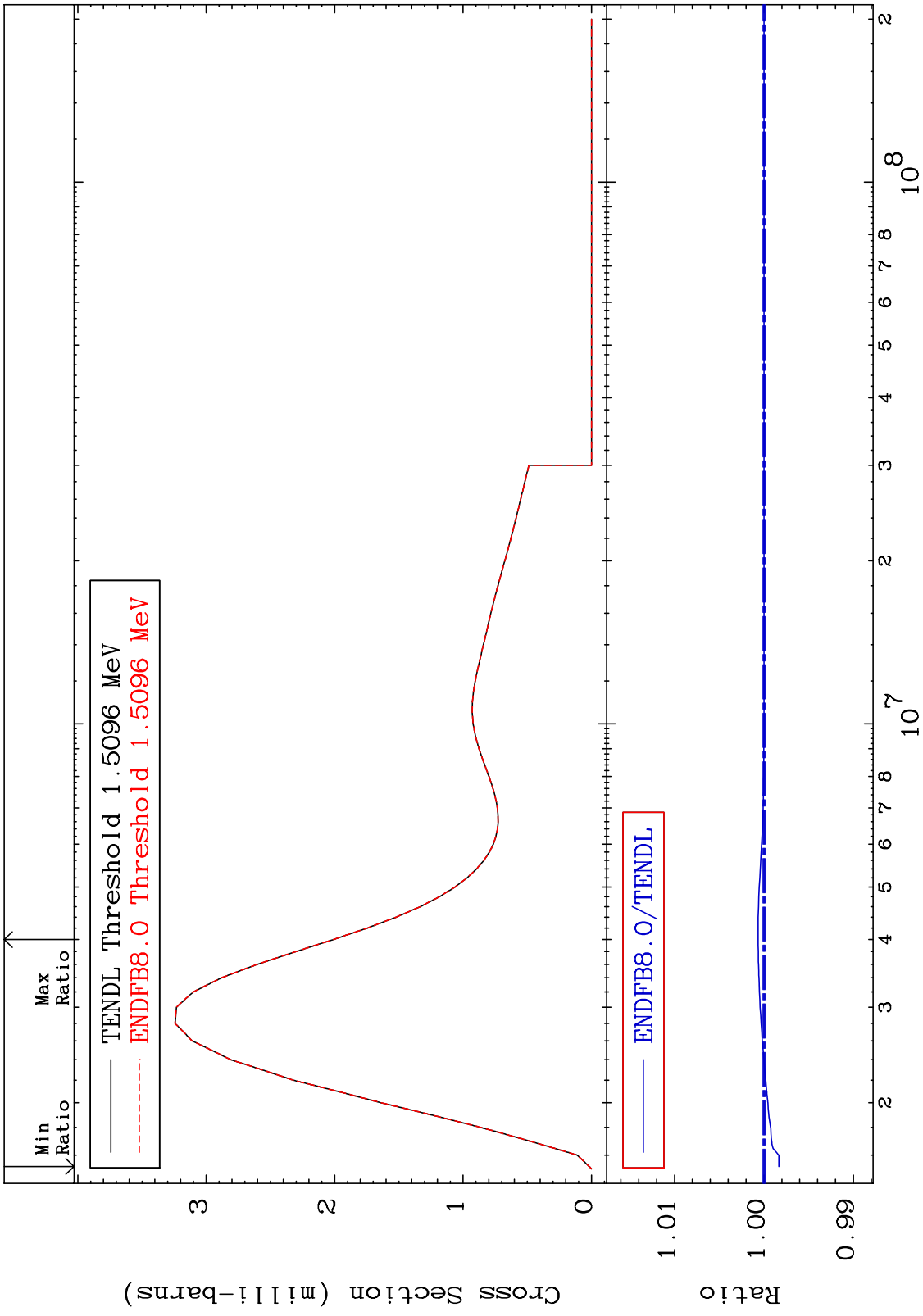
MAT 7849 MT= 60 (n,n') Level 78-Pt-198
 Cross Section -0.020 To 0.033 %



MAT 7849 MT= 61 (n,n') Level Cross Section 78-Pt-198
 -0.010 To 0.267 %



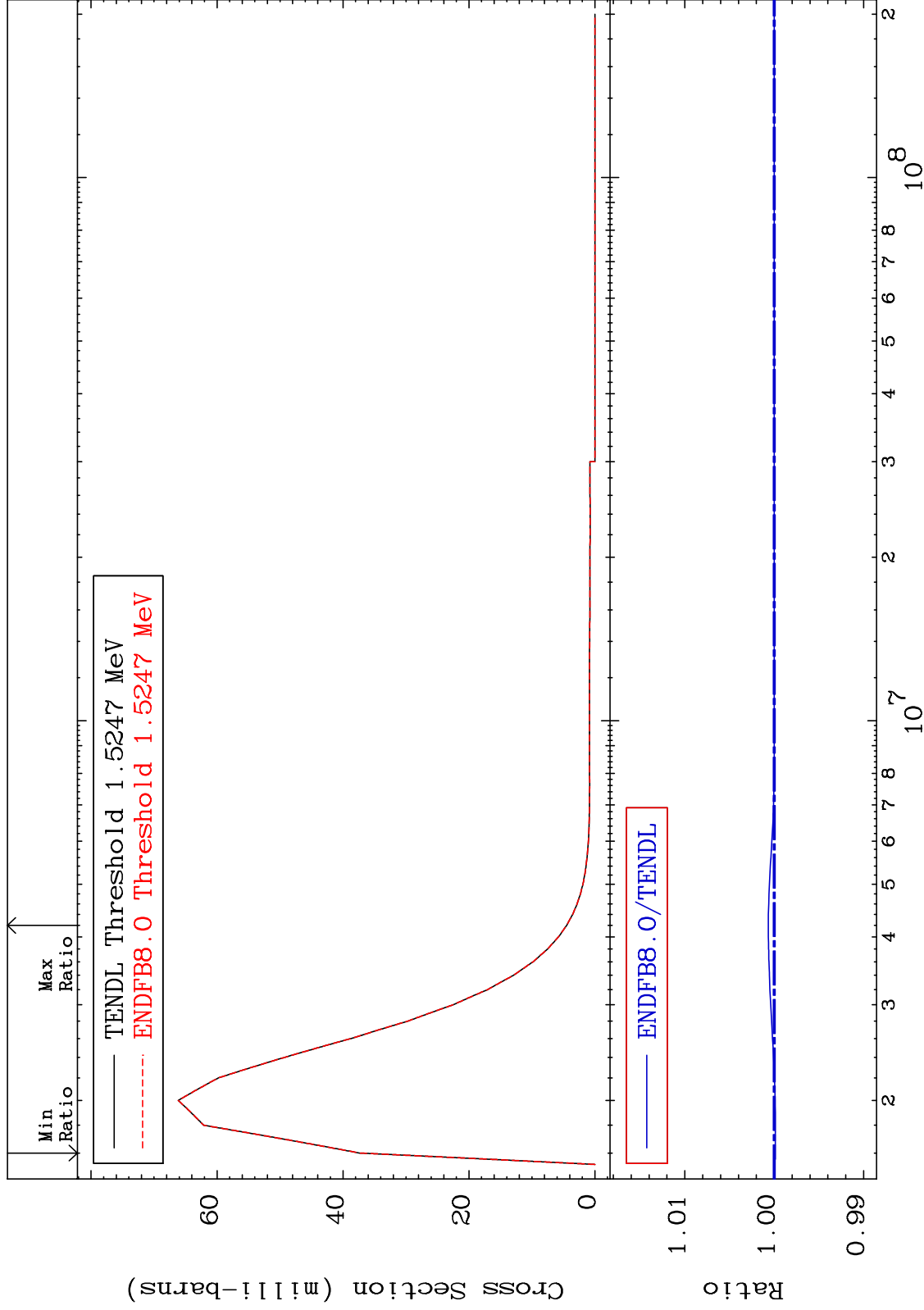
MAT 7849 MT= 62 (n,n') Level 78-Pt-198
 Cross Section -0.166 To 0.066 %



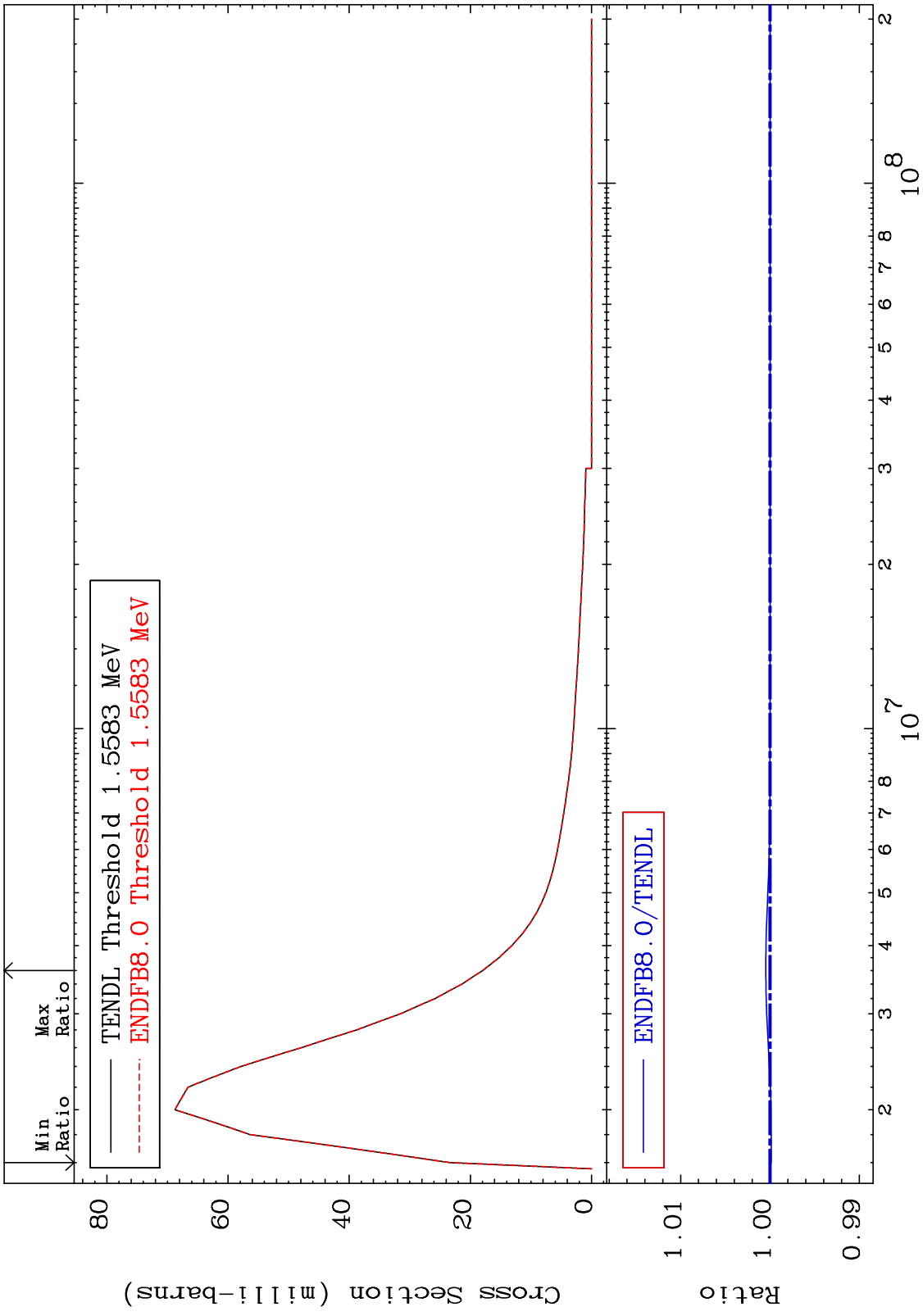
MAT 7849

MT= 63 (n,n') Level
Cross Section

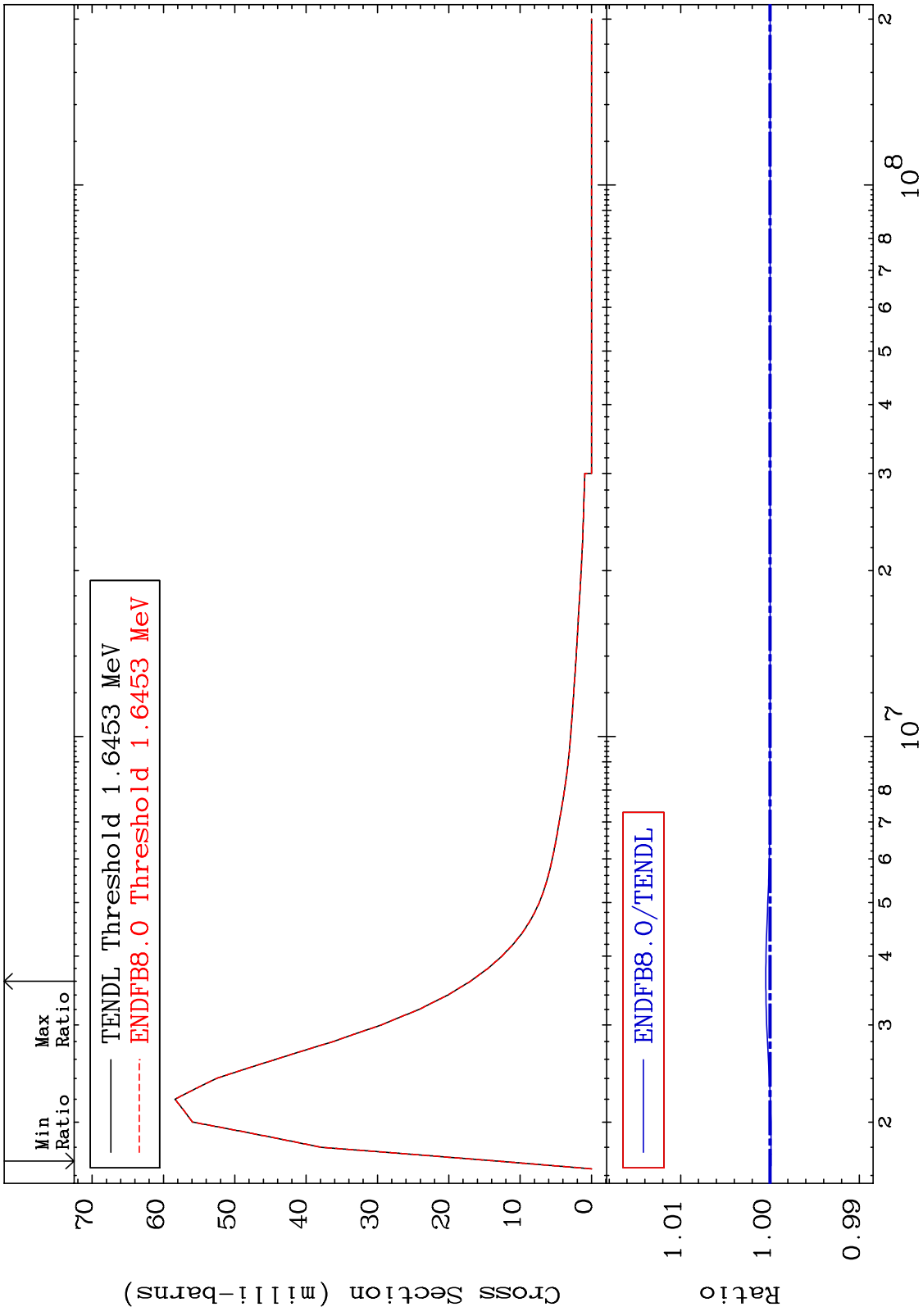
78-Pt-198
-0.013 To 0.066 %



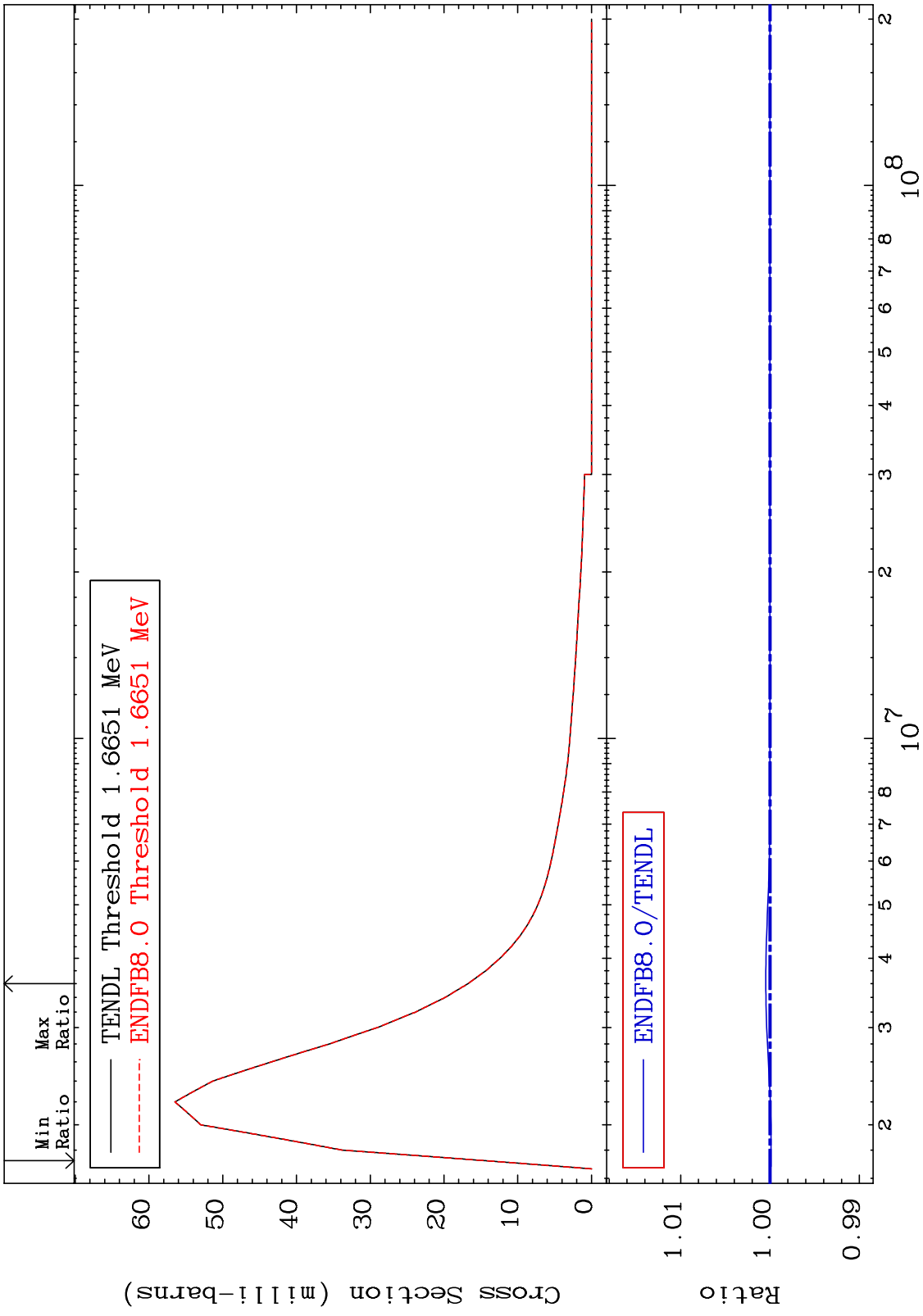
MAT 7849 MT= 64 (n,n') Level Cross Section 78-Pt-198 -0.012 To 0.048 %



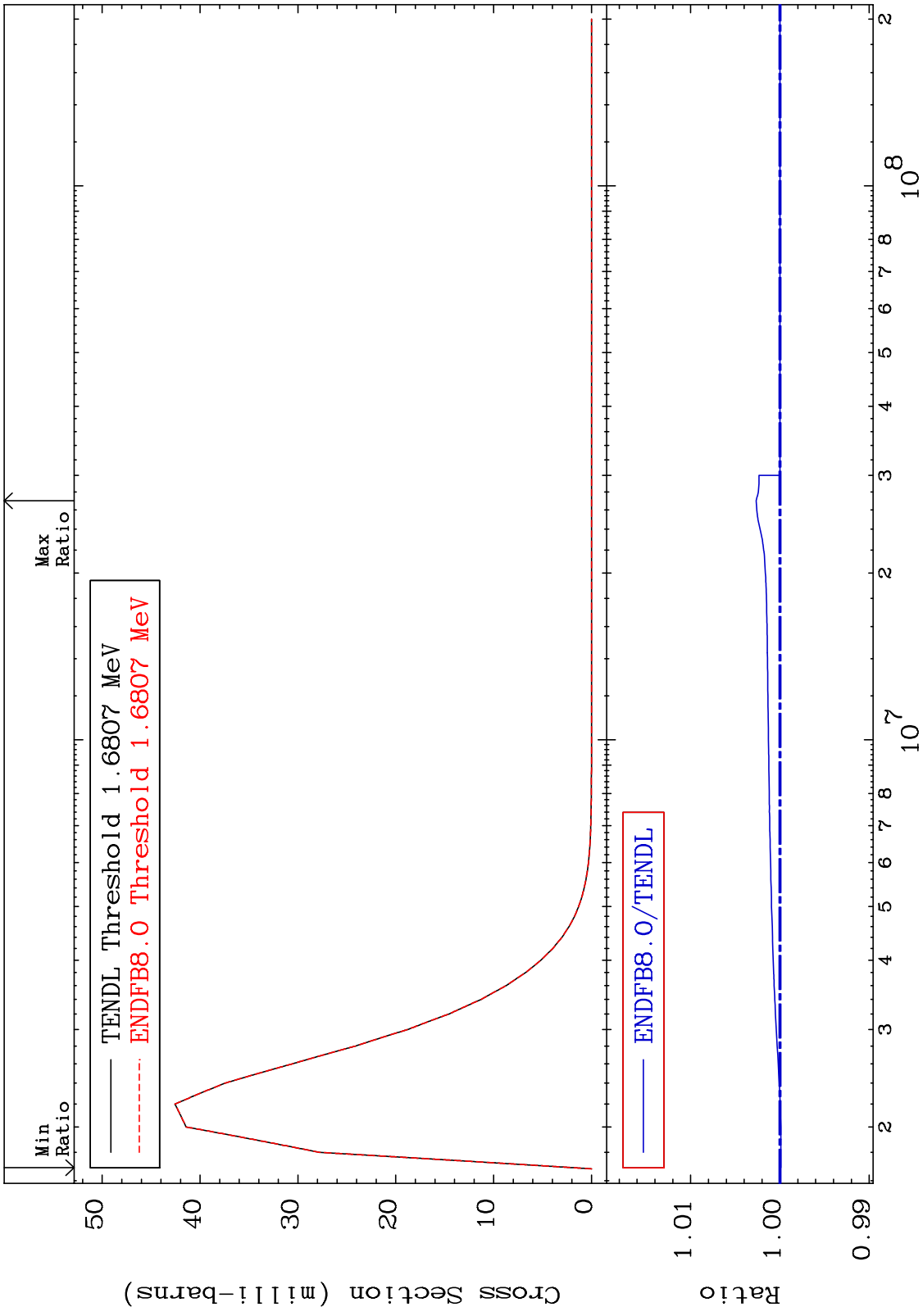
MAT 7849 MT= 65 (n,n') Level Cross Section 78-Pt-198 -0.012 To 0.048 %



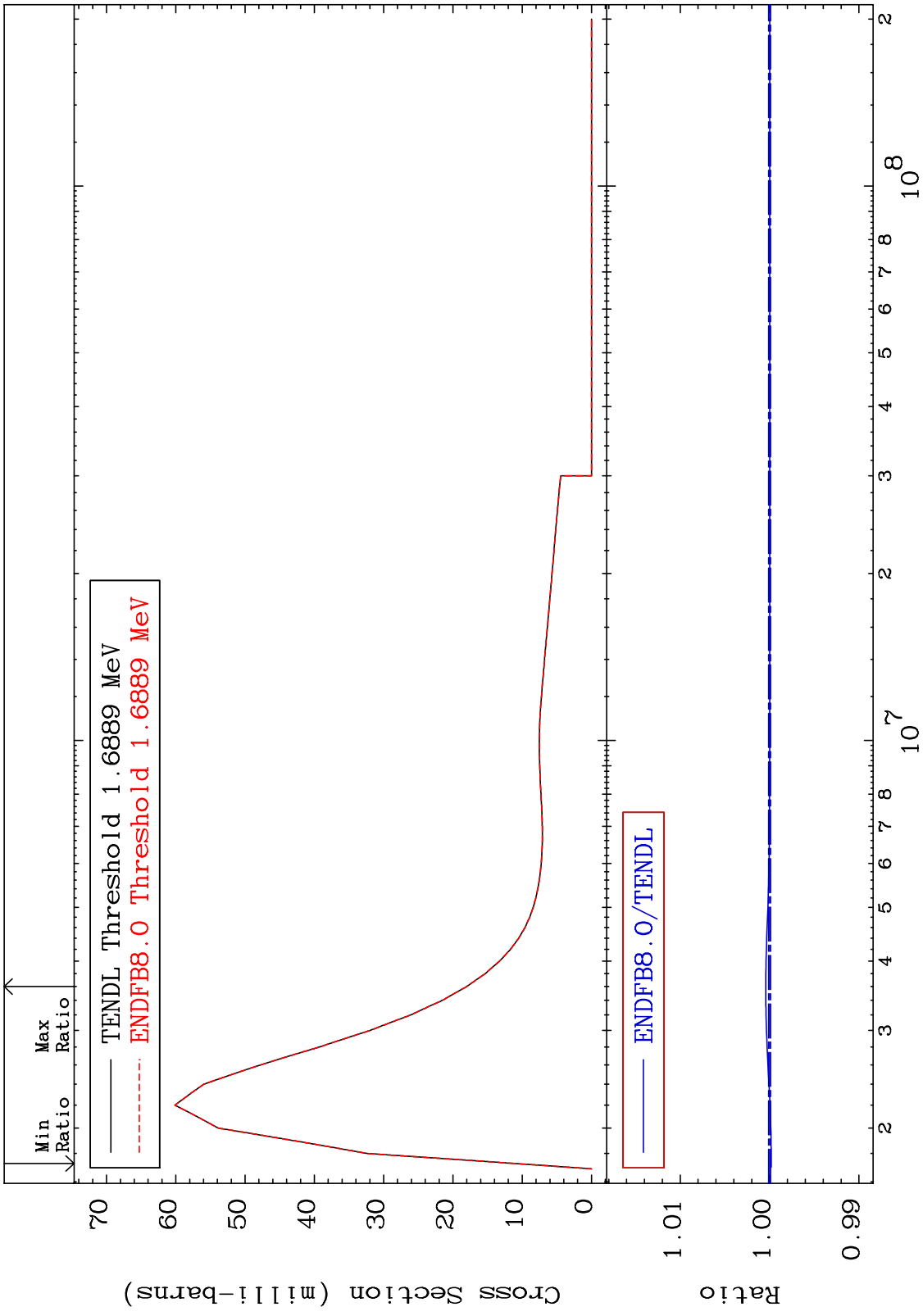
MAT 7849 MT= 66 (n,n') Level 78-Pt-198
 Cross Section -0.012 To 0.047 %



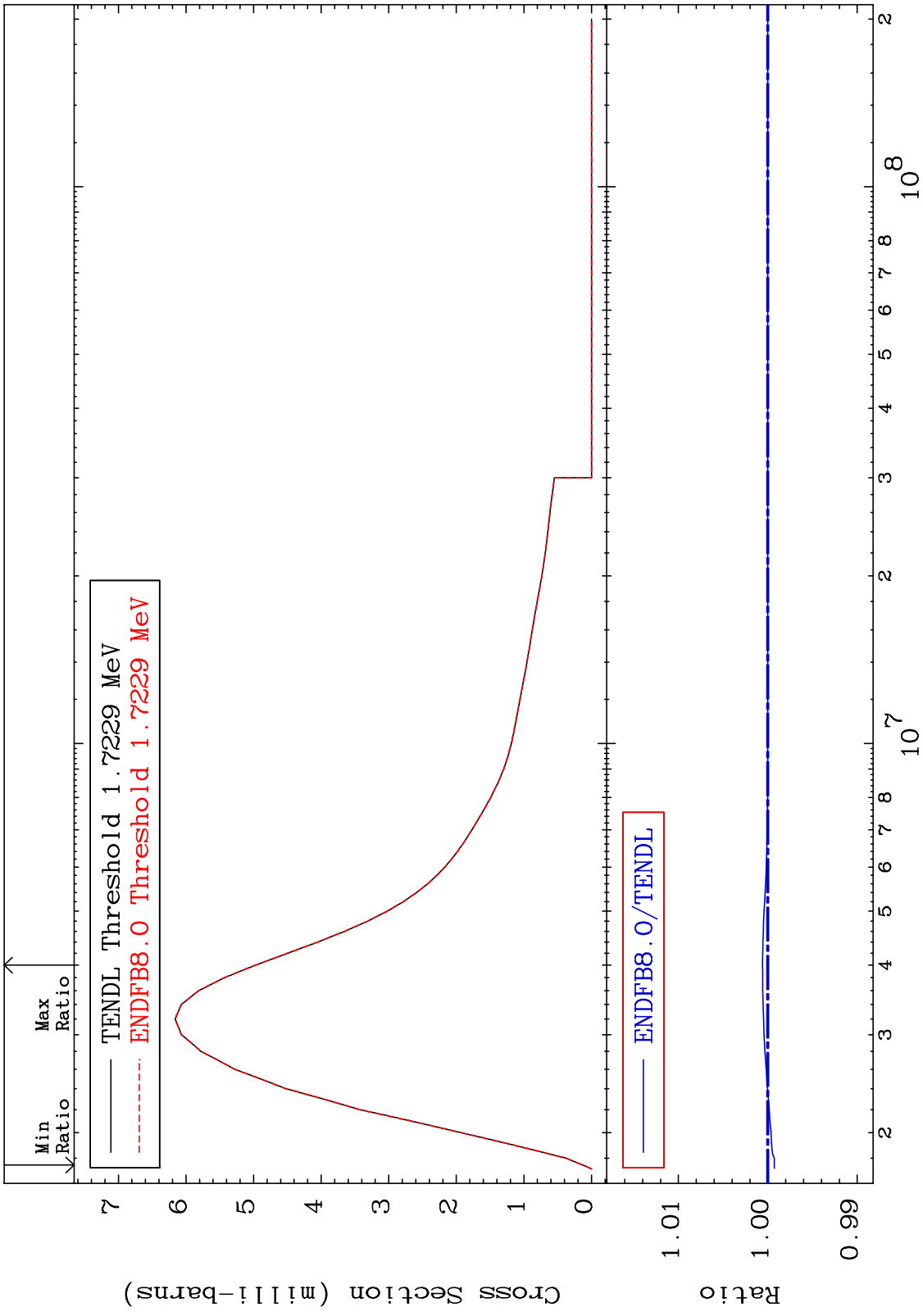
MAT 7849 MT= 67 (n,n') Level Cross Section 78-Pt-198
 -0.010 To 0.267 %



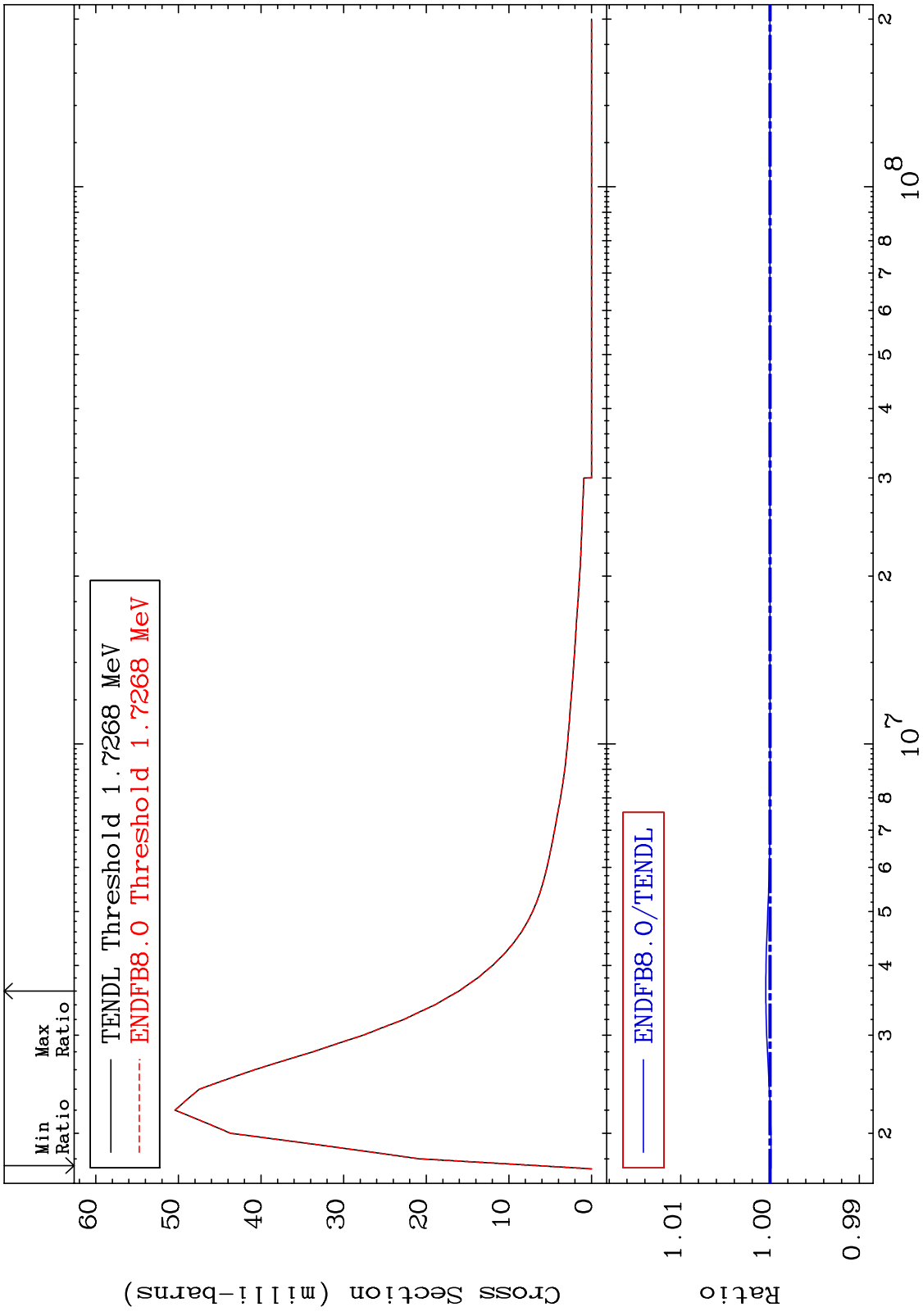
MAT 7849 MT= 68 (n,n') Level Cross Section 78-Pt-198 -0.018 To 0.044 %



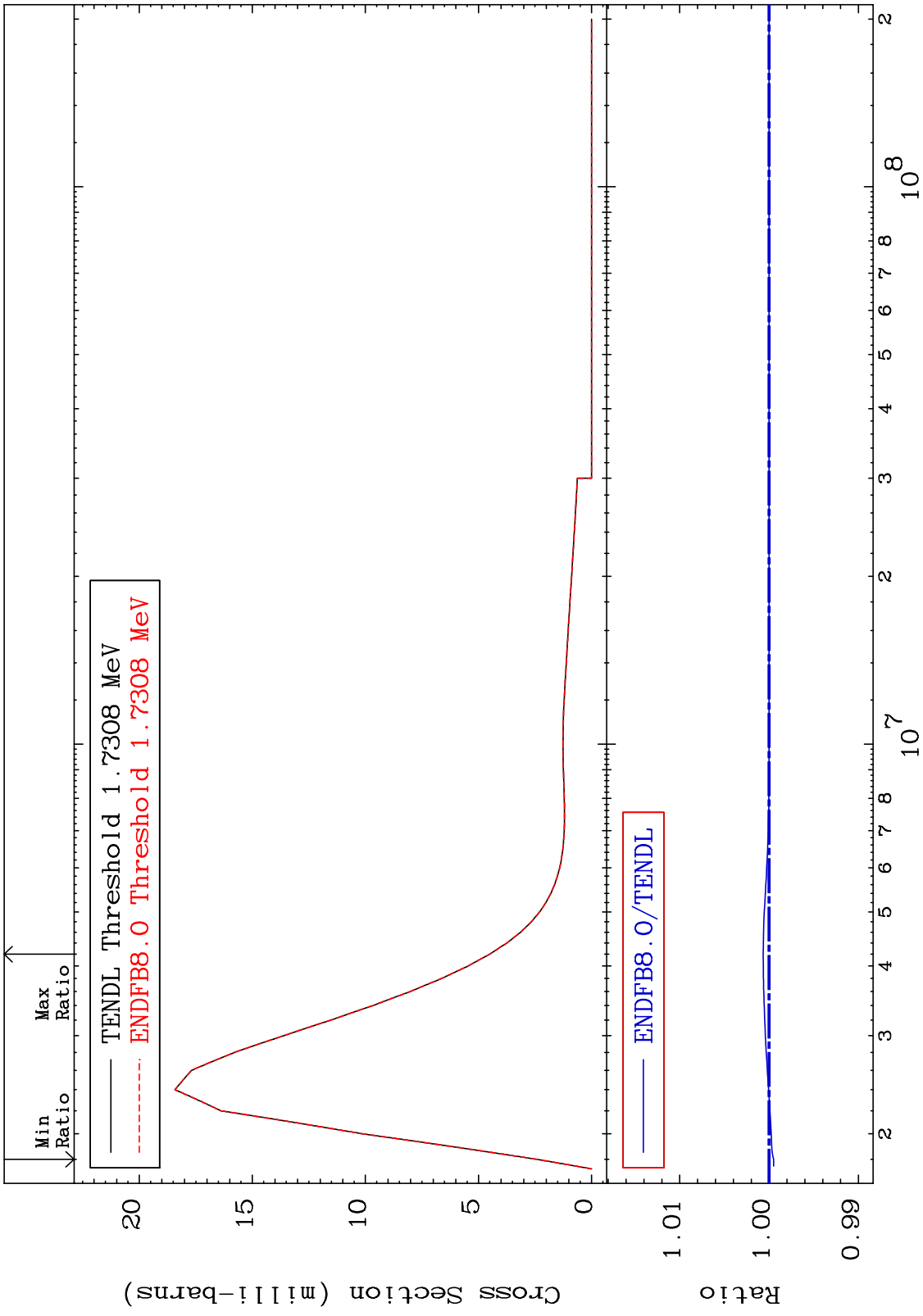
MAT 7849 MT= 69 (n,n') Level Cross Section 78-Pt-198
 -0.073 To 0.058 %



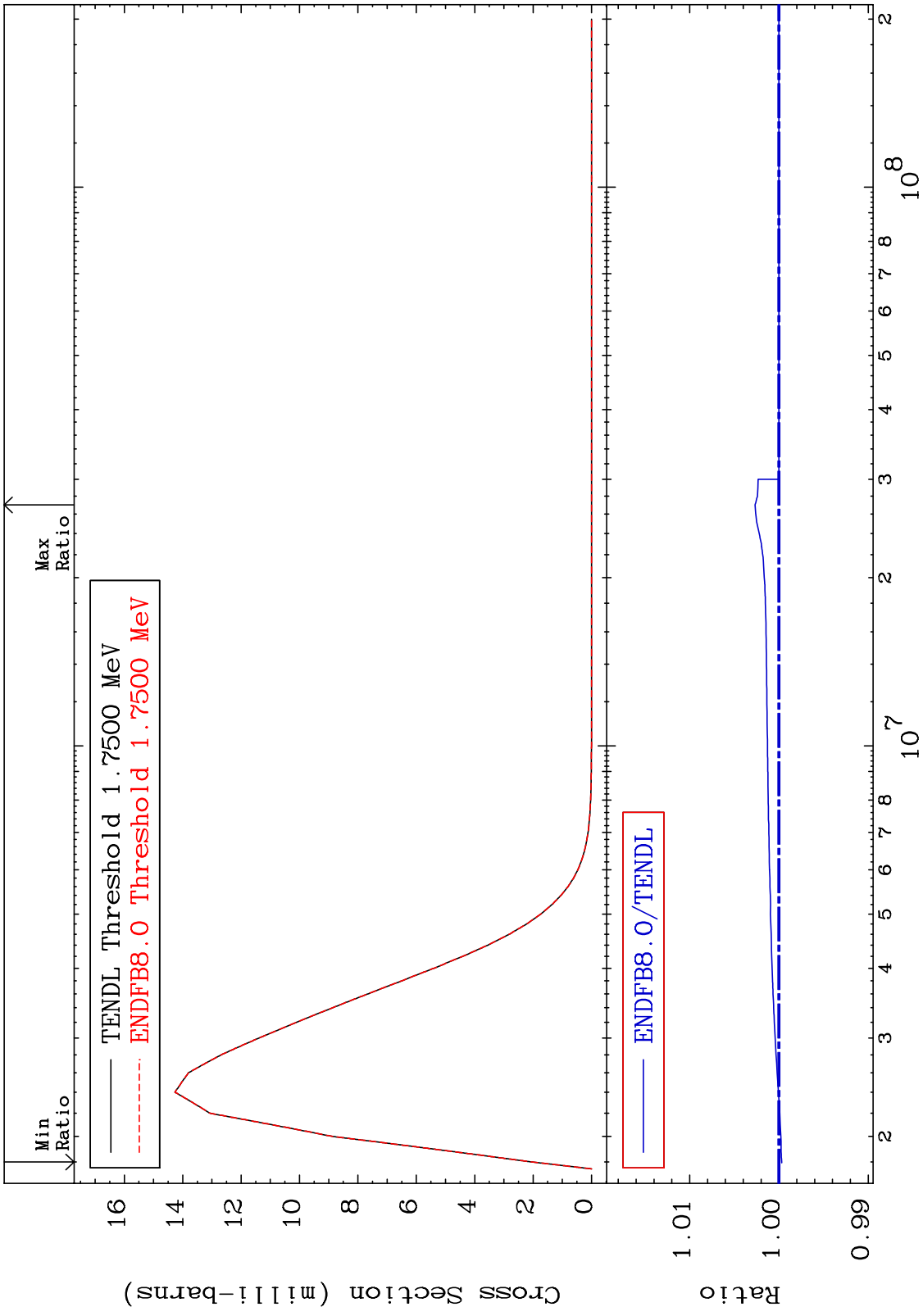
MAT 7849 MT= 70 (n,n') Level Cross Section 78-Pt-198
 -0.012 To 0.047 %



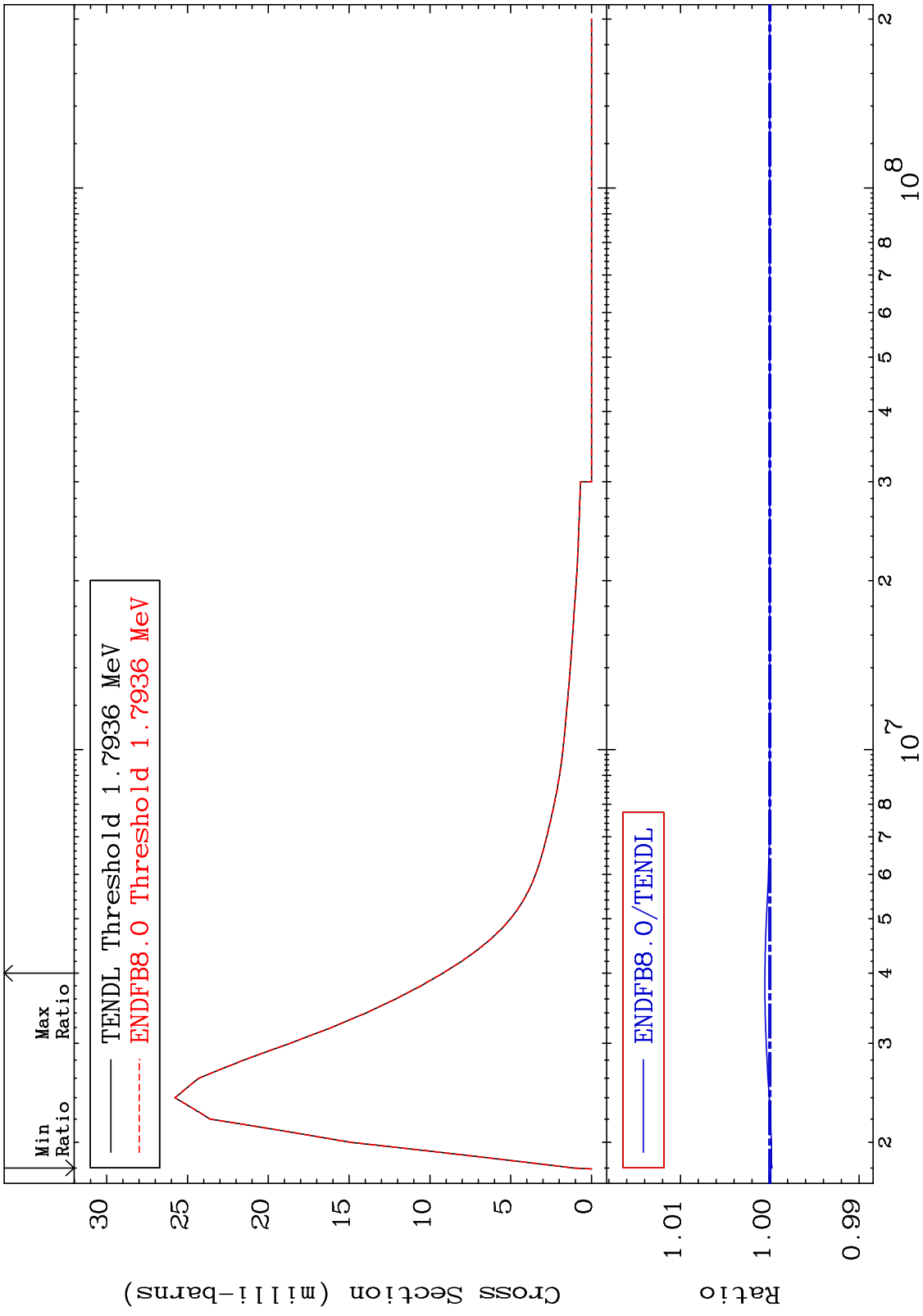
MAT 7849 MT= 71 (n,n') Level Cross Section 78-Pt-198
 -0.051 To 0.066 %



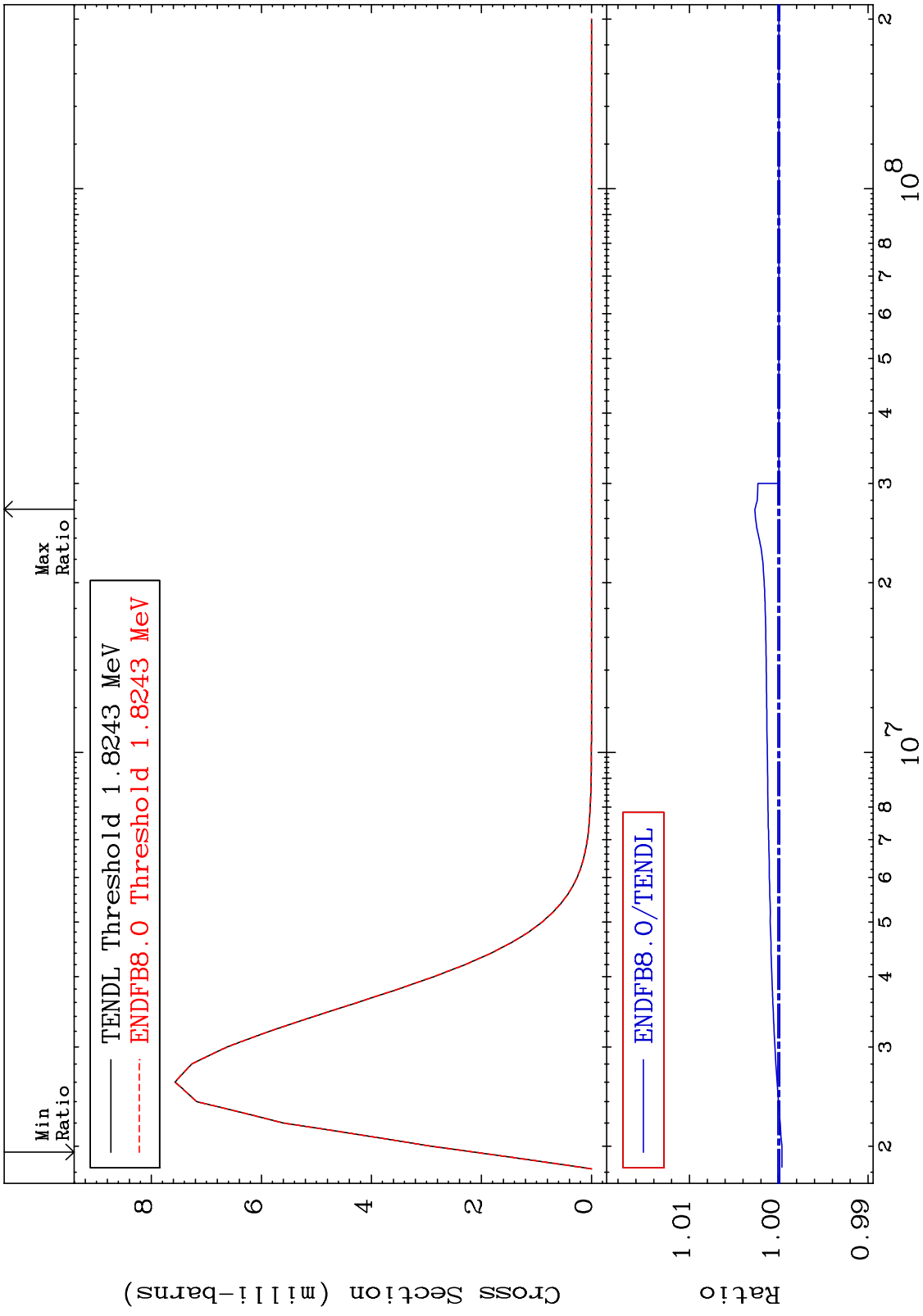
MAT 7849 MT= 72 (n,n') Level Cross Section 78-Pt-198
 -0.031 To 0.267 %



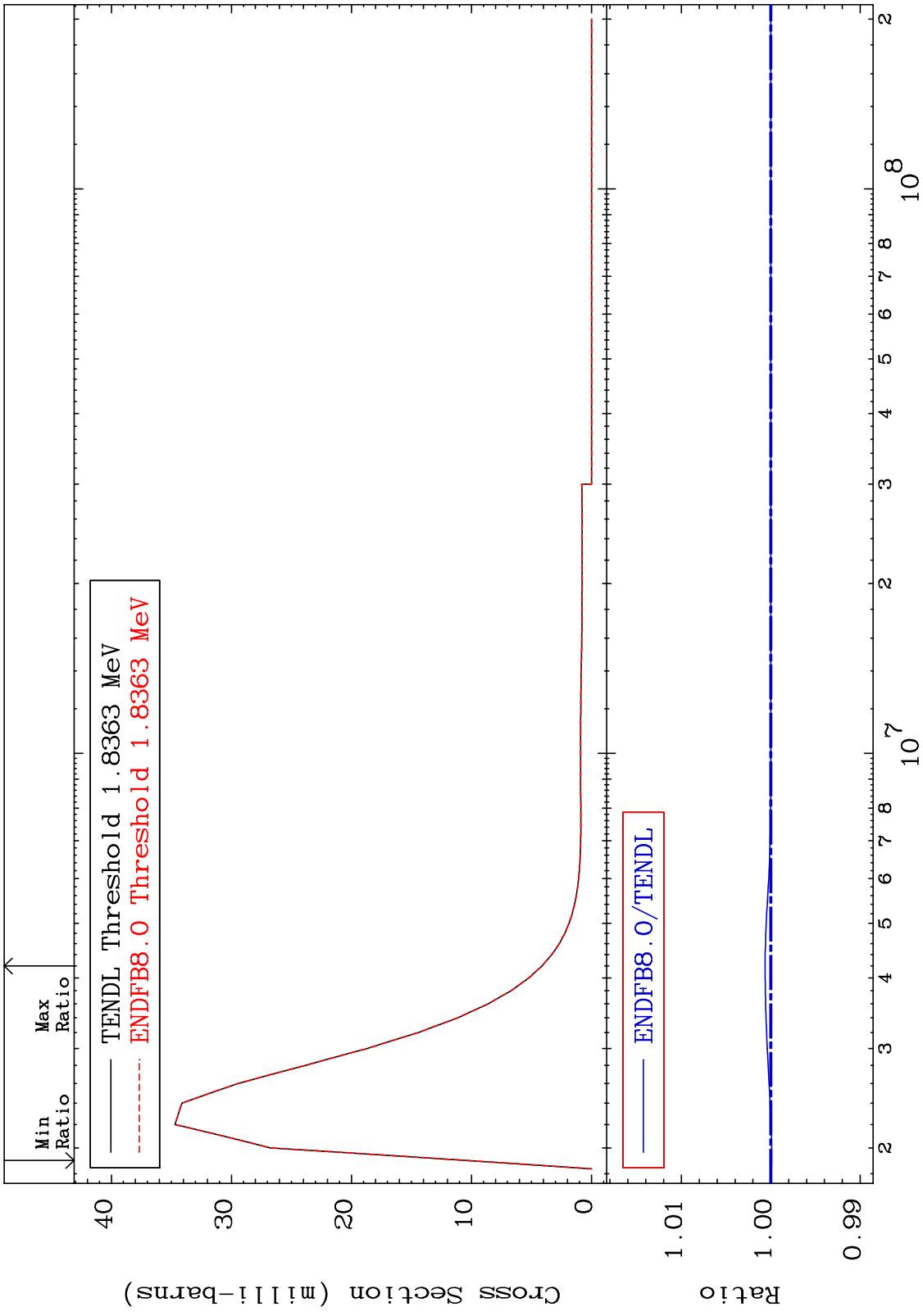
MAT 7849 MT= 73 (n,n') Level Cross Section 78-Pt-198
 -0.025 To 0.055 %



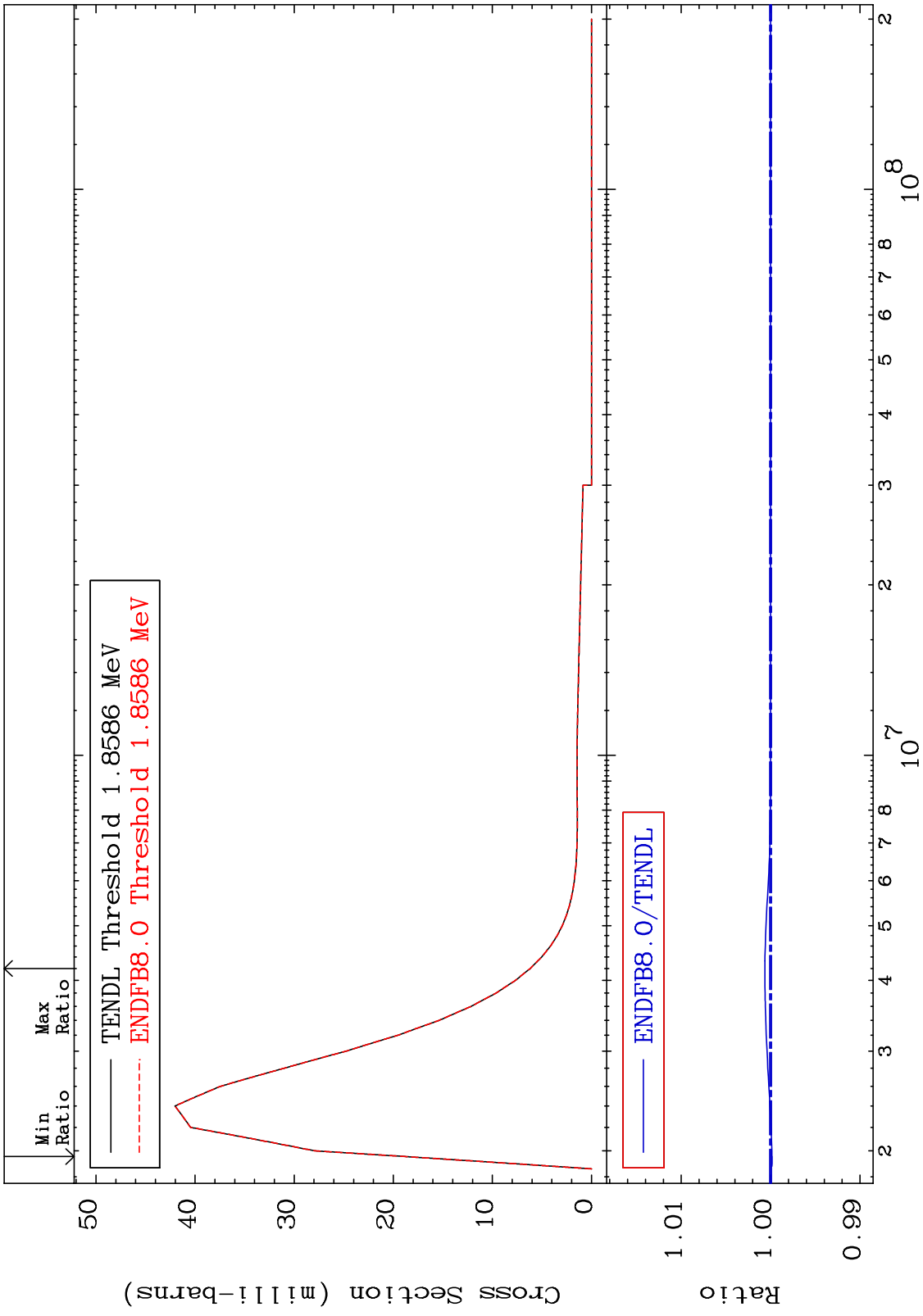
MAT 7849 MT= 74 (n,n') Level Cross Section 78-Pt-198
 -0.036 To 0.267 %



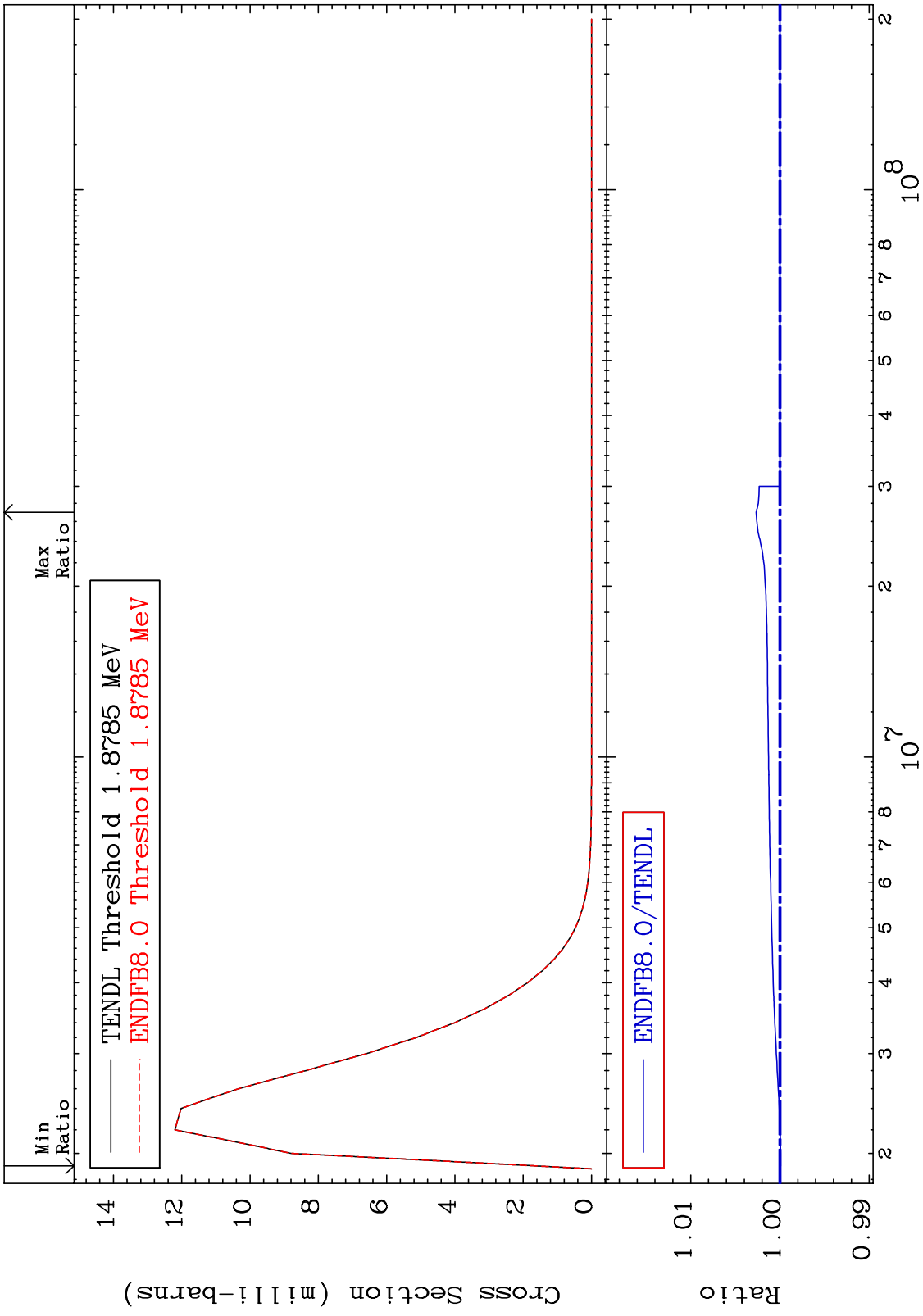
MAT 7849 MT= 75 (n,n') Level 78-Pt-198
 Cross Section -0.010 To 0.063 %



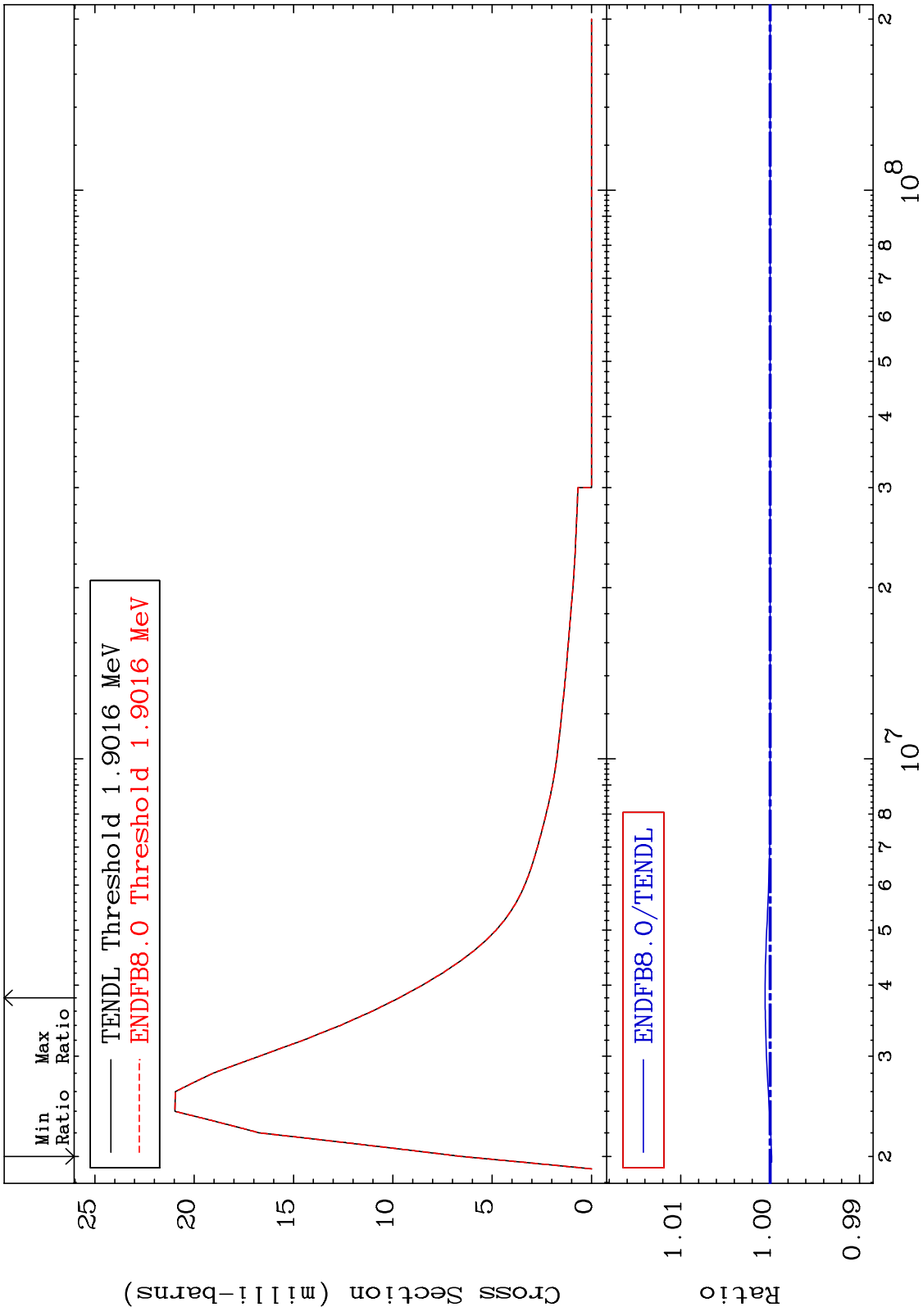
MAT 7849 MT= 76 (n,n') Level 78-Pt-198
Cross Section -0.015 To 0.064 %



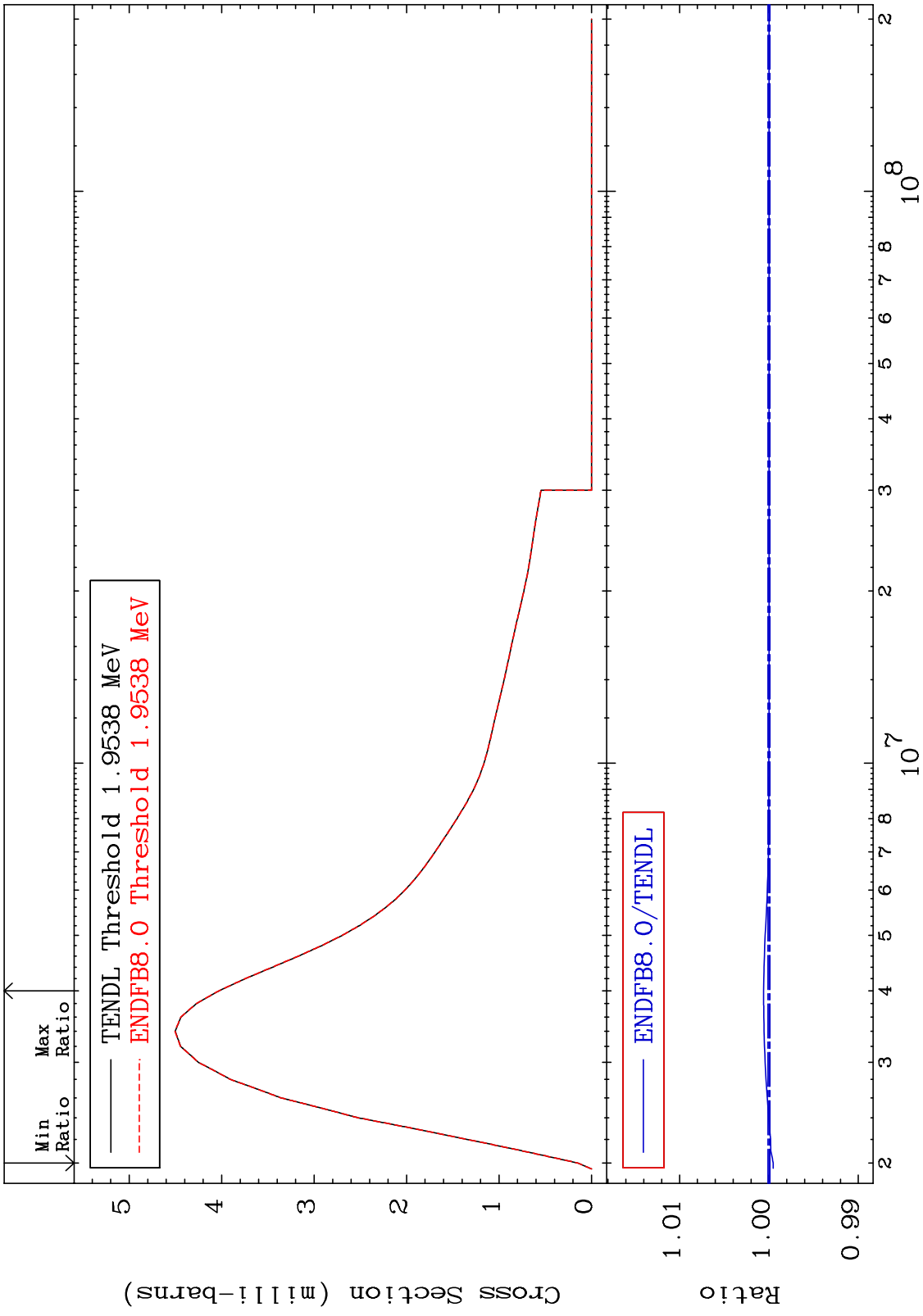
MAT 7849 MT= 77 (n,n') Level Cross Section 78-Pt-198
 -0.008 To 0.267 %



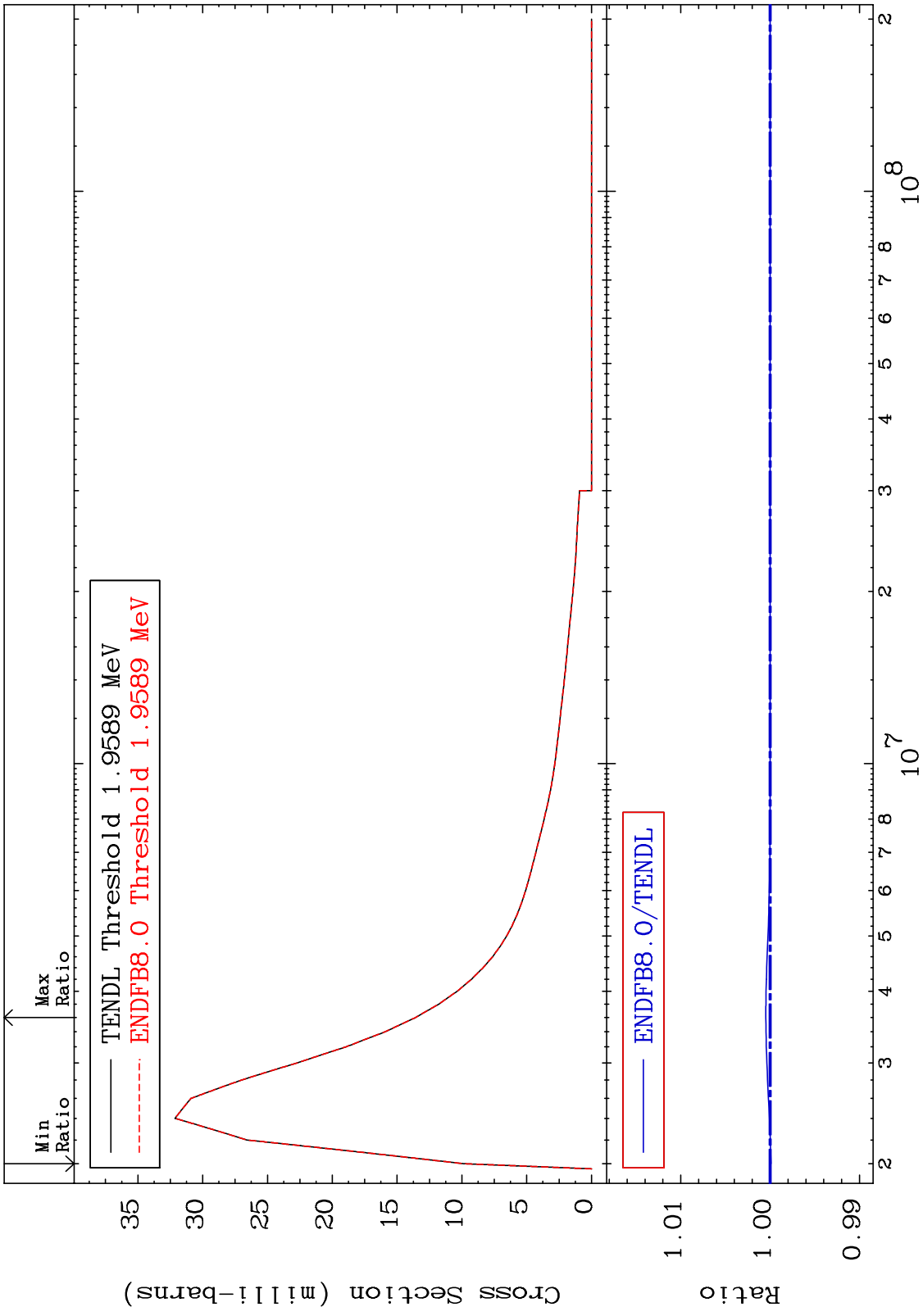
MAT 7849 MT= 78 (n,n') Level Cross Section 78-Pt-198
 -0.019 To 0.055 %



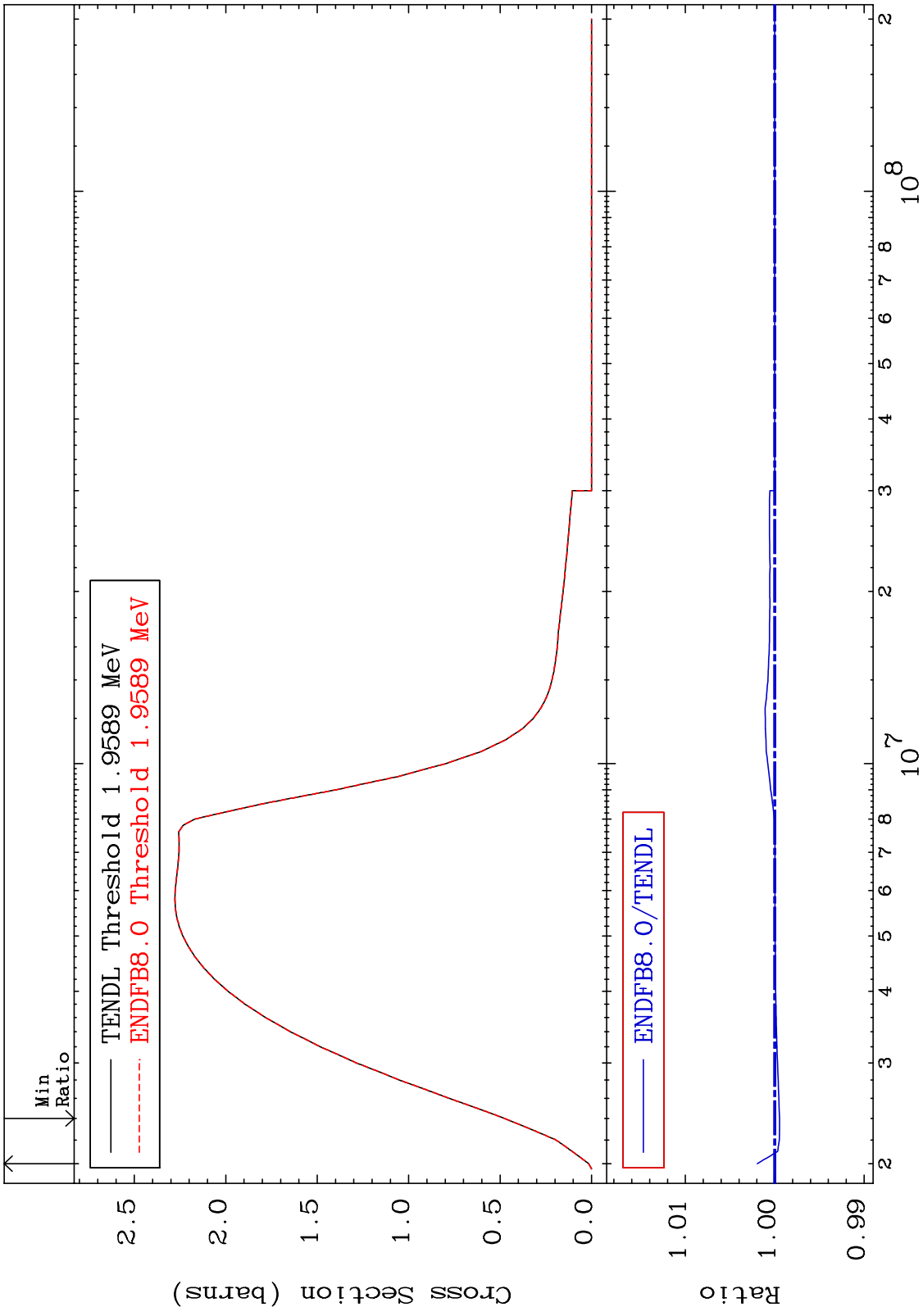
MAT 7849 MT= 79 (n,n') Level 78-Pt-198
 Cross Section -0.048 To 0.059 %



MAT 7849 MT= 80 (n,n') Level Cross Section 78-Pt-198
 -0.010 To 0.048 %



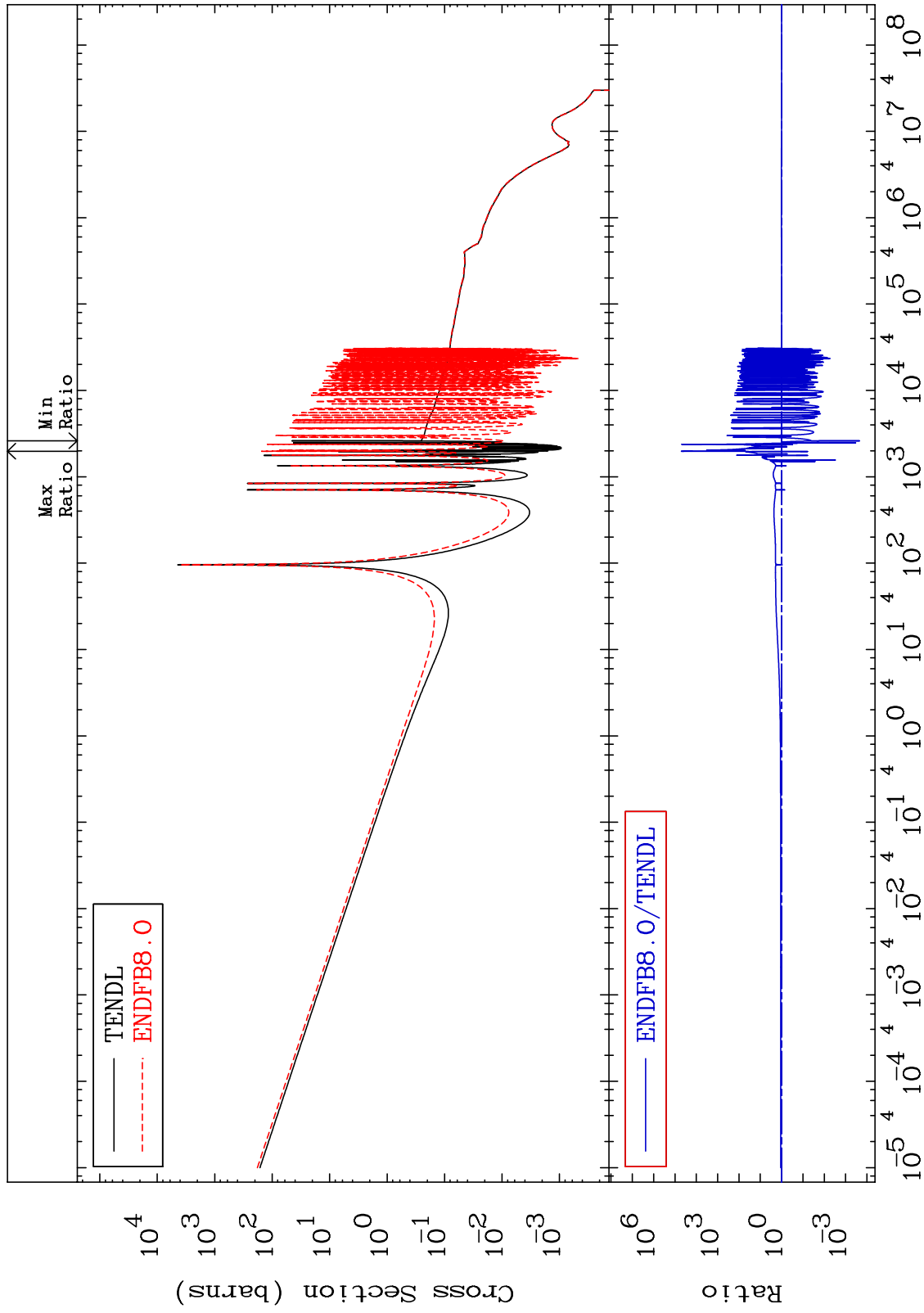
MAT 7849 (n,n') Continuum Cross Section 78-Pt-198 -0.054 To 0.195 %



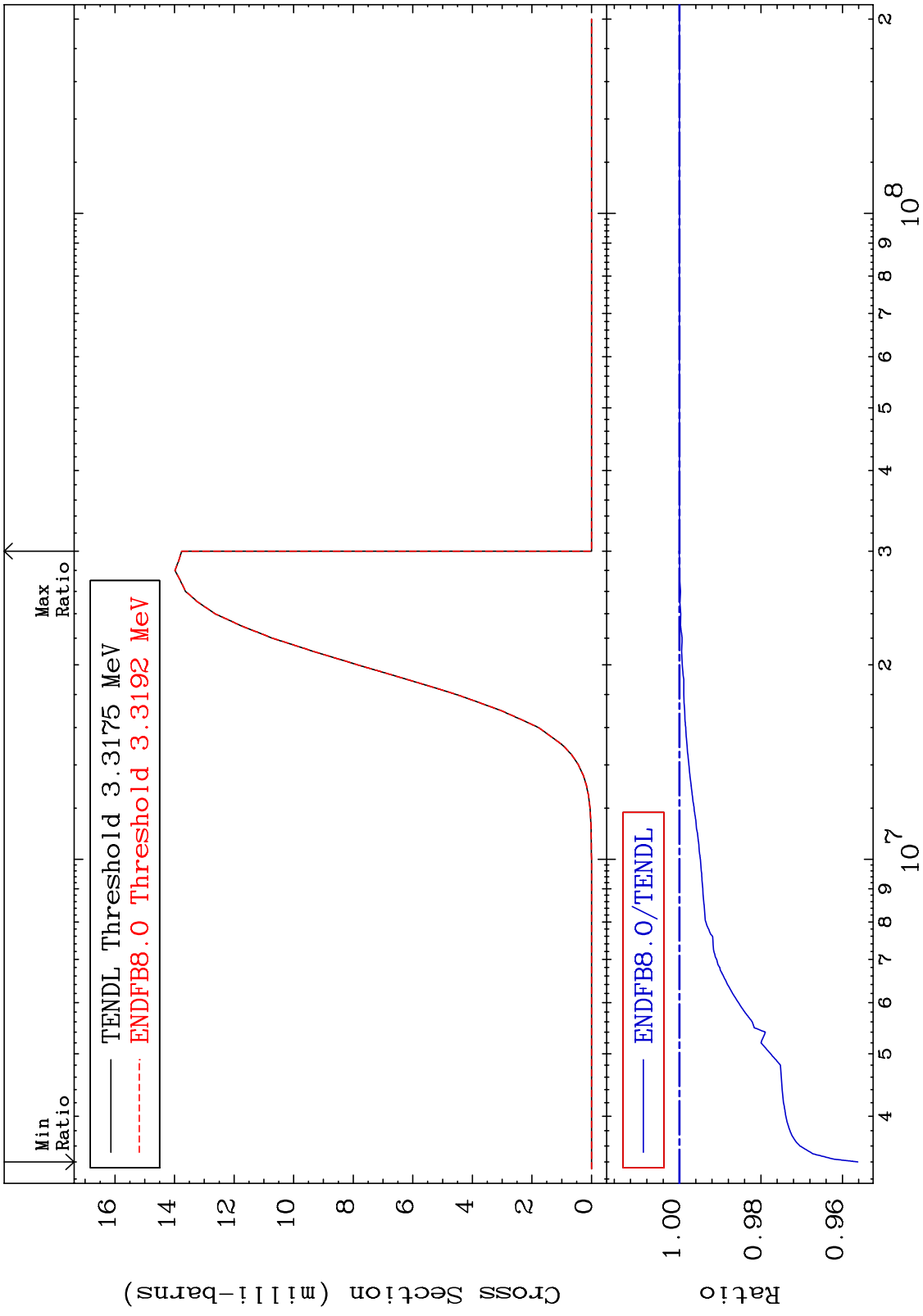
MAT 7849

(n, γ)
Cross Section

78-Pt-198
-99.98 To 9999. %

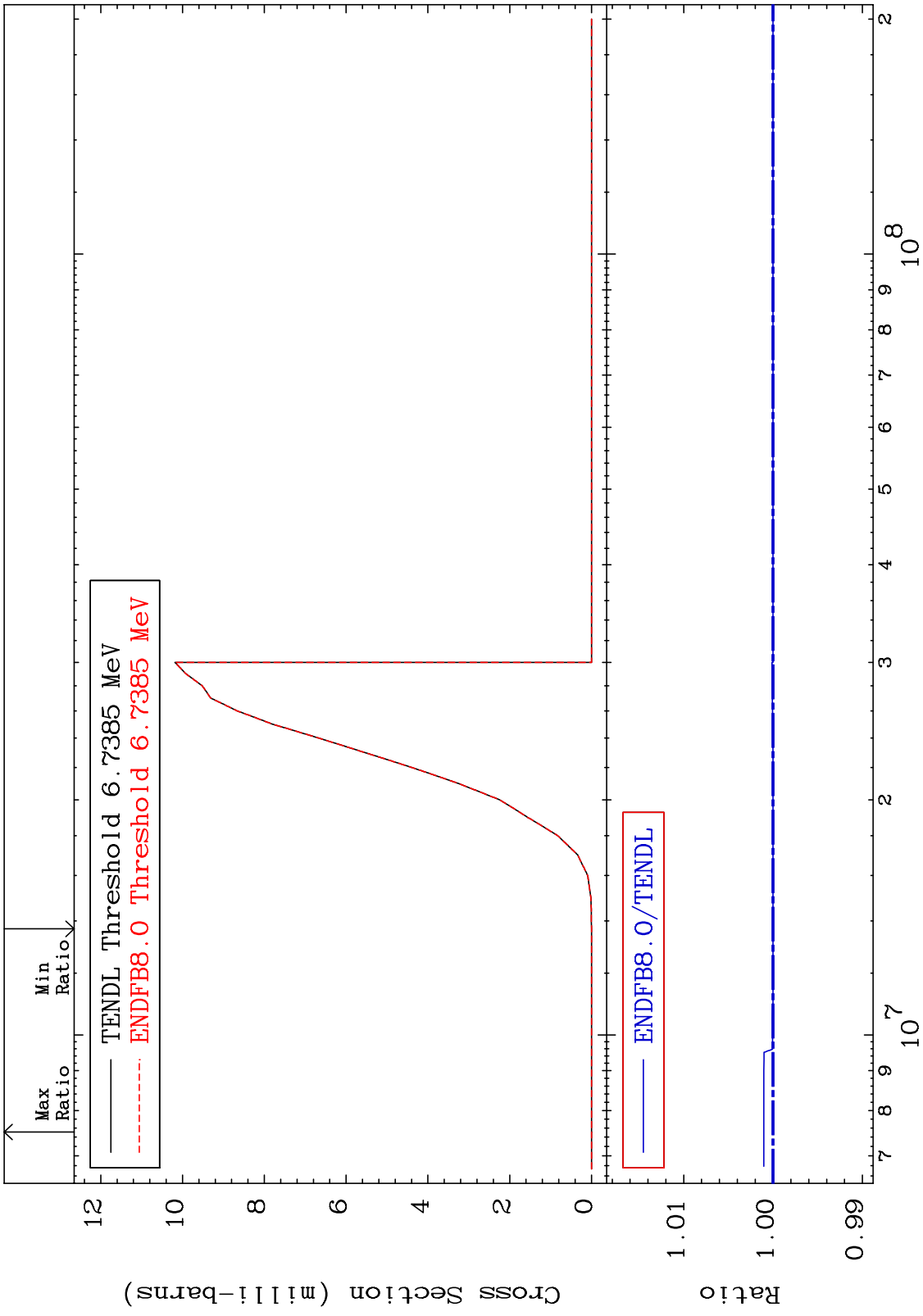


MAT 7849 (n,p) Cross Section 78-Pt-198
 -4.379 To 0.009 %



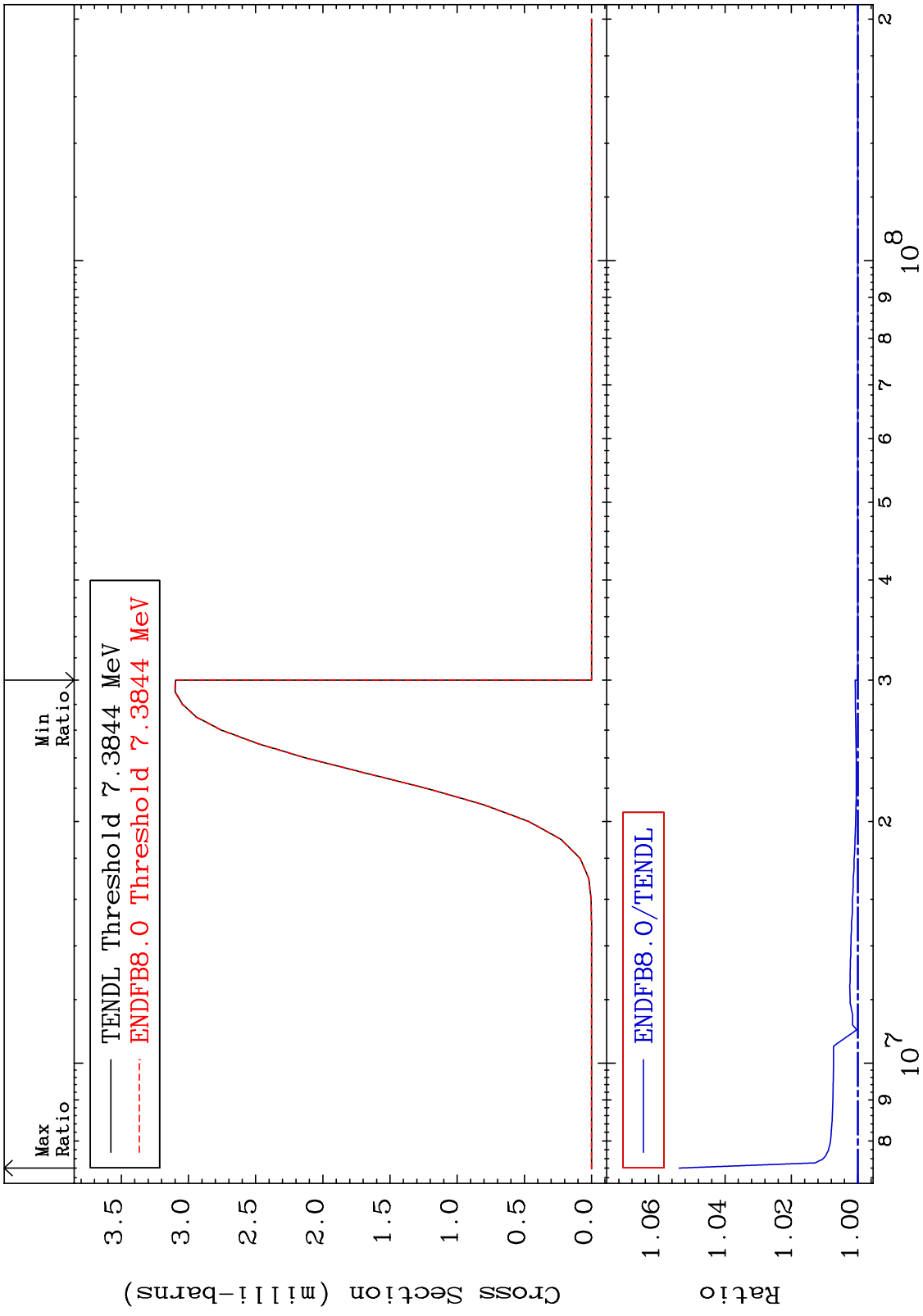
49 Incident Energy (eV) 78-Pt-198

MAT 7849 (n,d) Cross Section 78-Pt-198 To 0.103 %

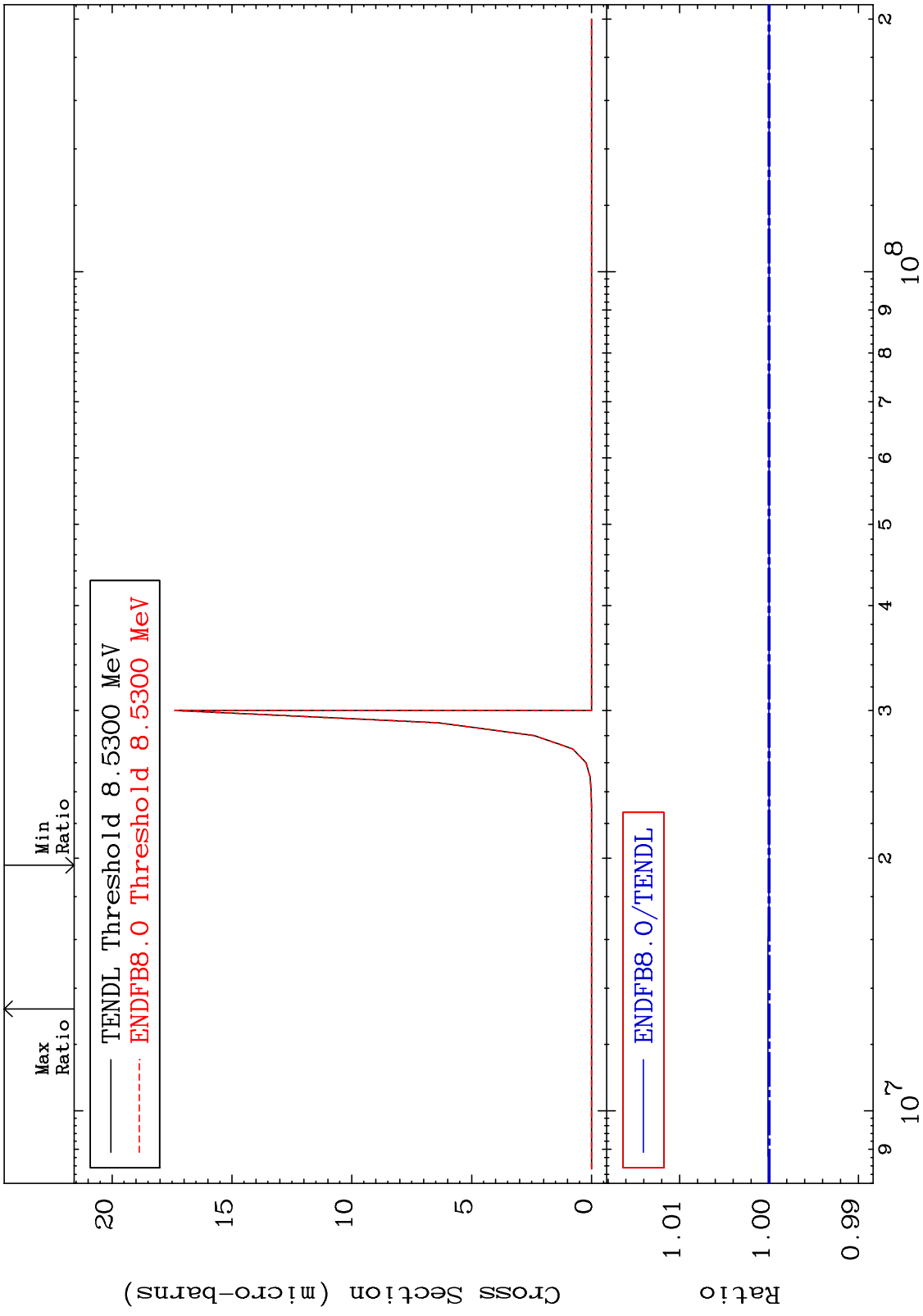


50 78-Pt-198

MAT 7849 (n,t) Cross Section 78-Pt-198 To 5.385 %



MAT 7849 (n, He-3) Cross Section 78-Pt-198 To 0.012 %
 0.000



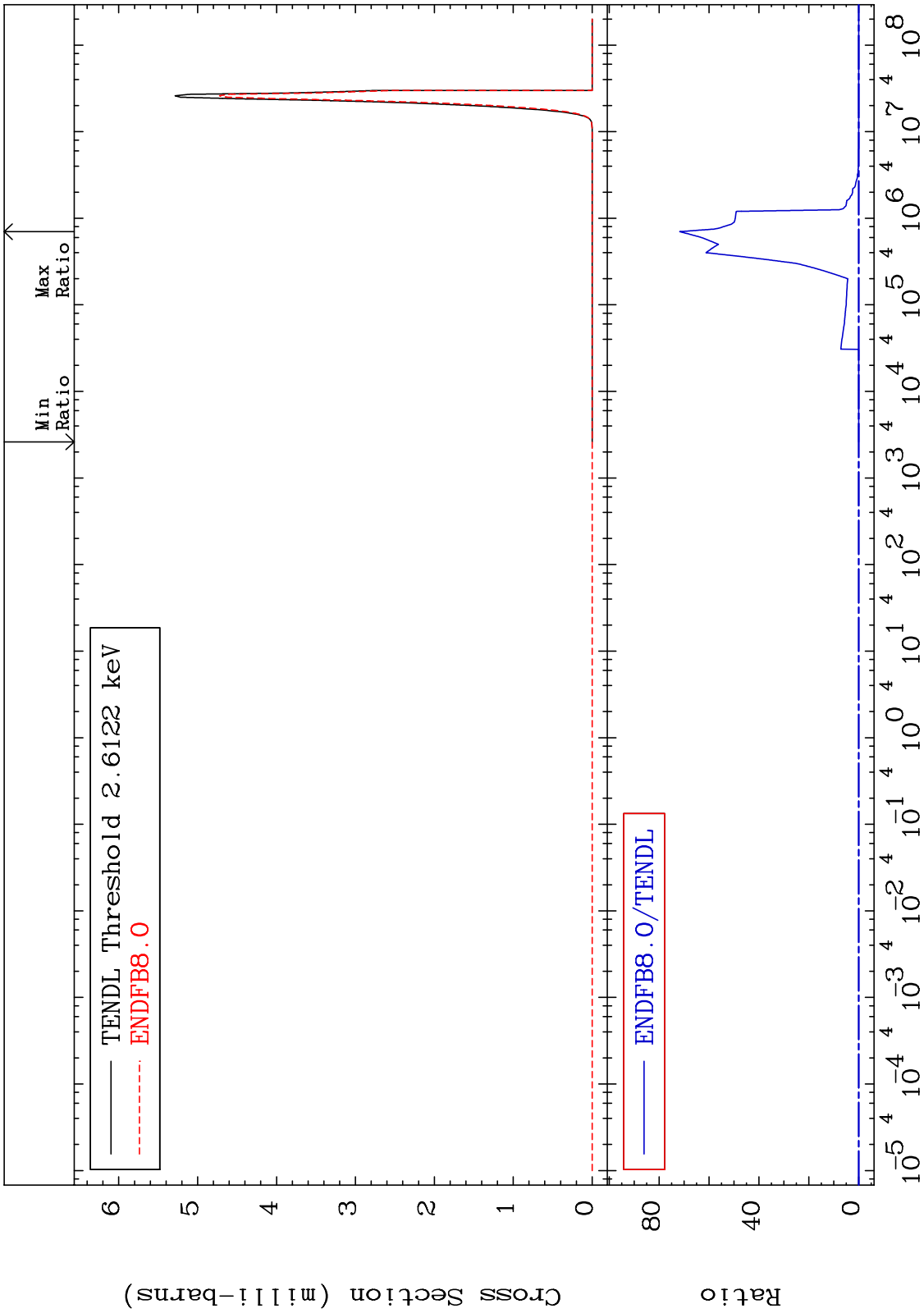
MAT 7849

(n, α)

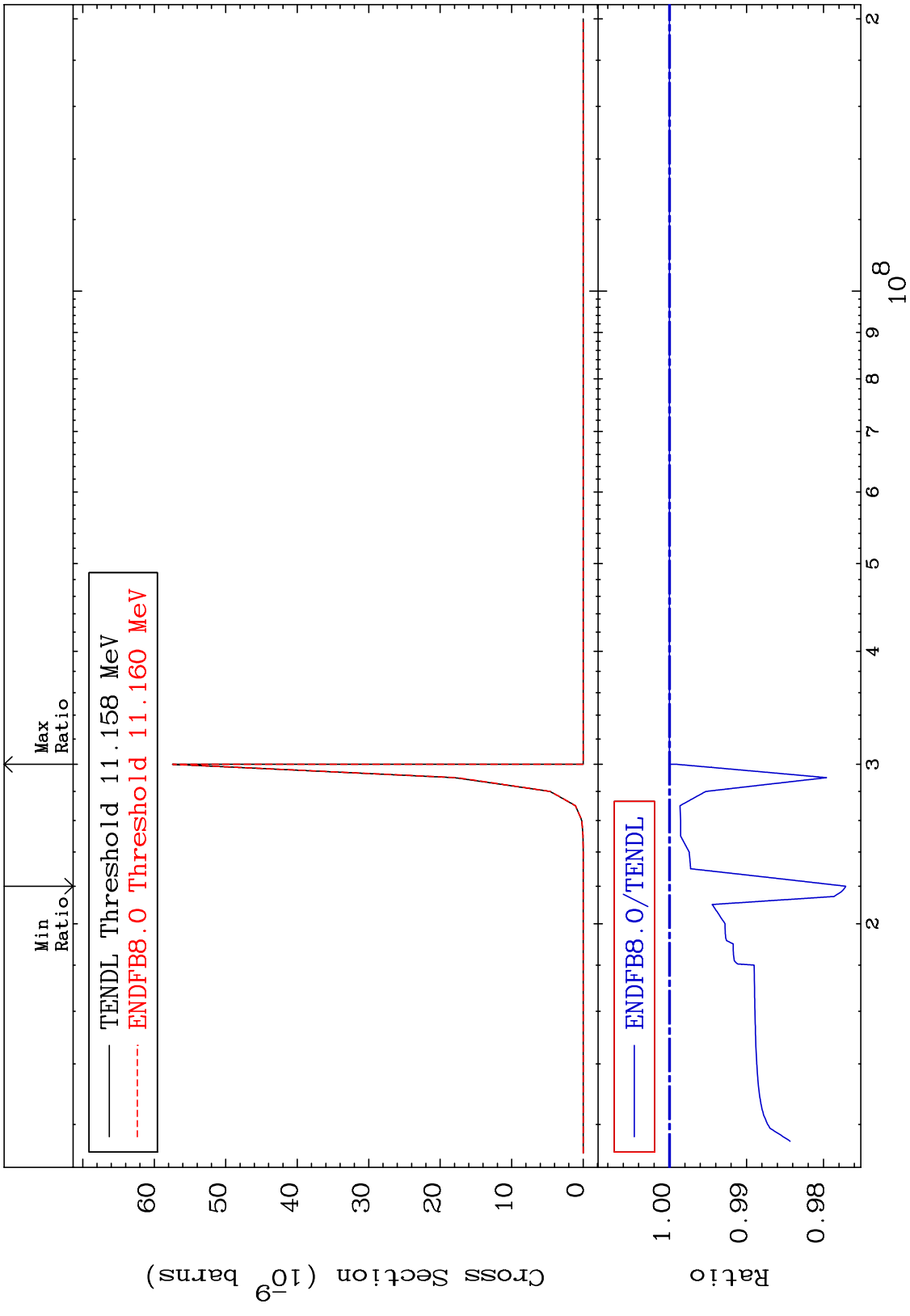
78-Pt-198

Cross Section

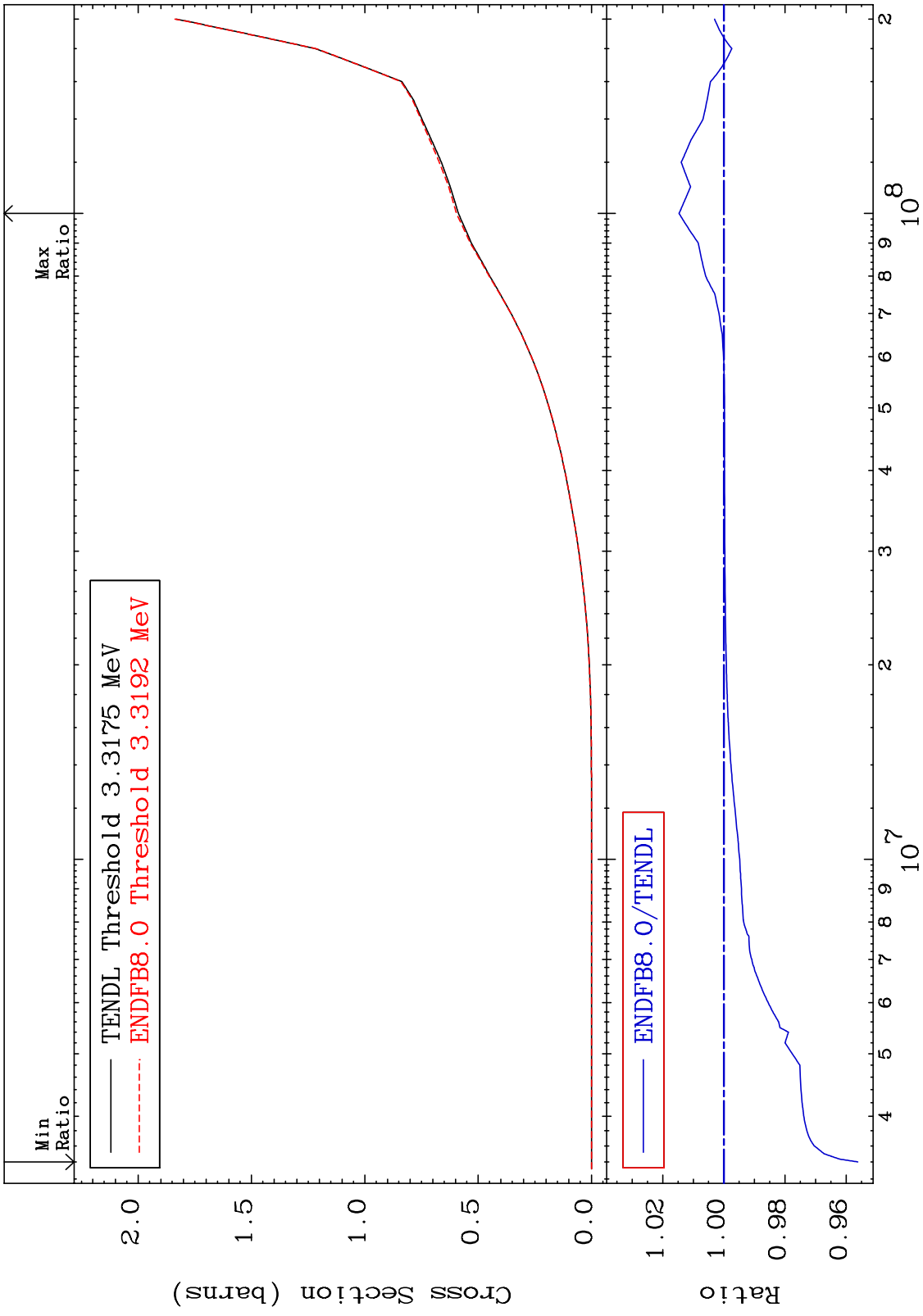
-100.0 To 9999. %



MAT 7849 (n,2p) Cross Section 78-Pt-198
 -2.288 To 0.000 %



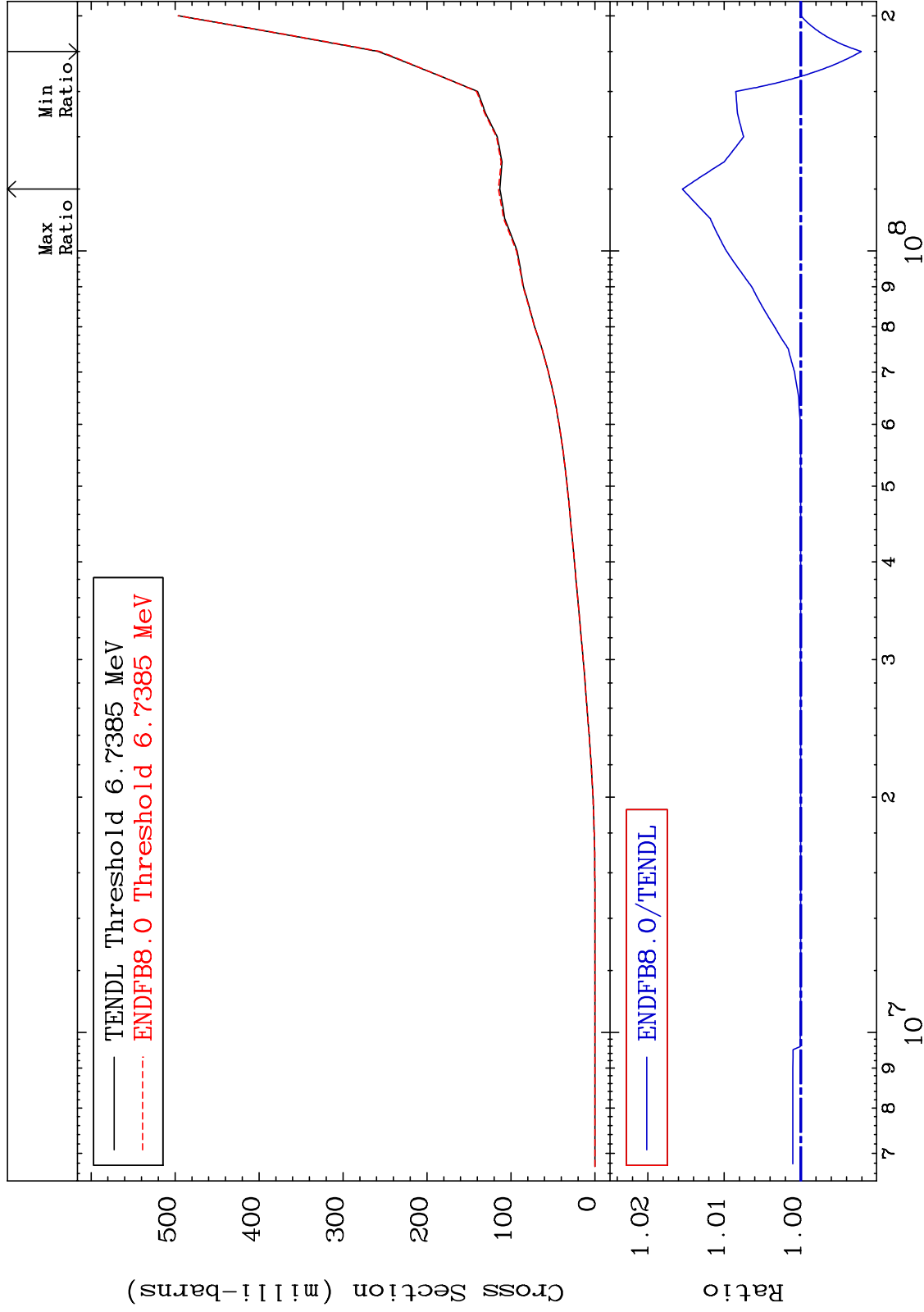
MAT 7849 Hydrogen Production Cross Section 78-Pt-198
 -4.379 To 1.466 %

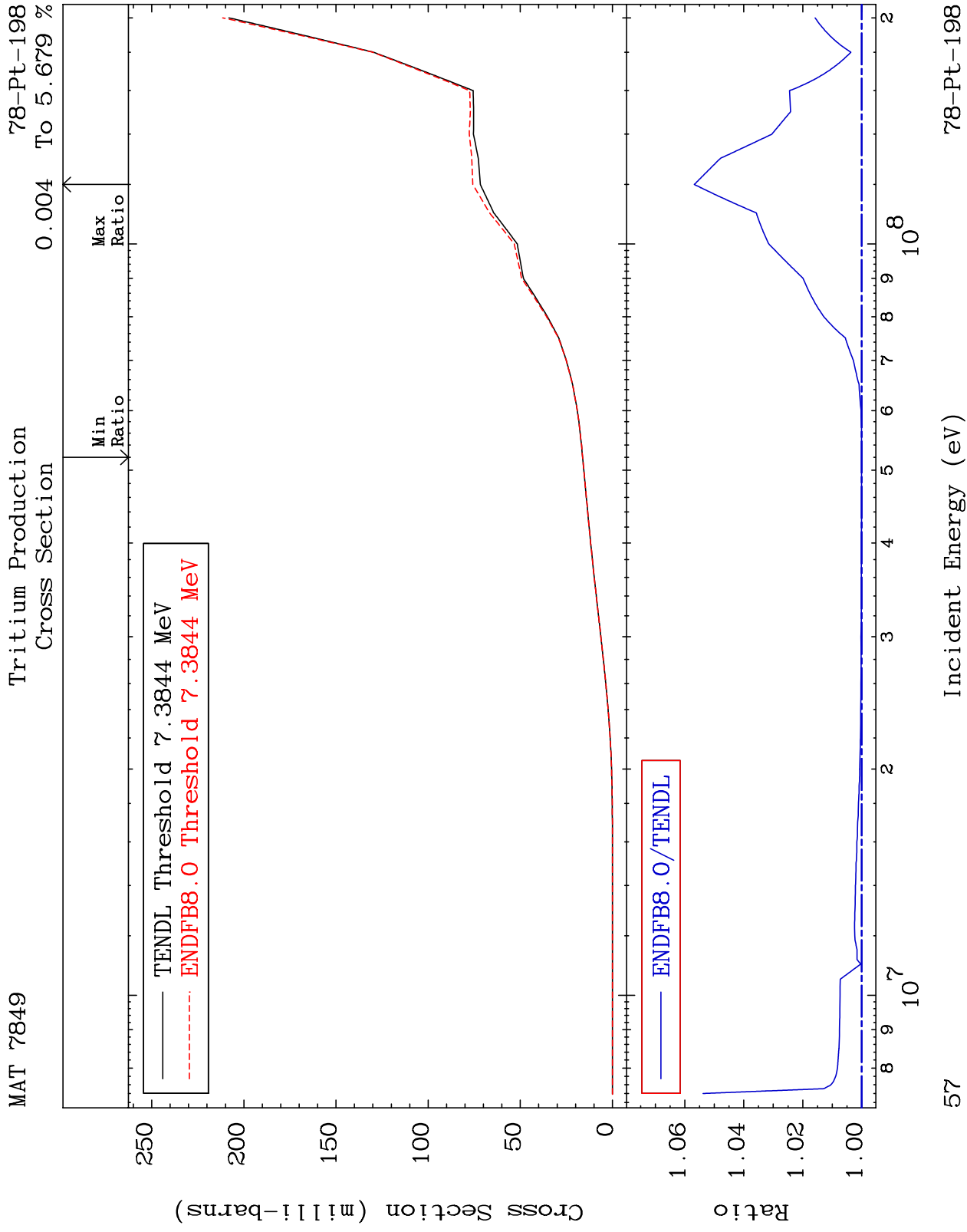


MAT 7849

Deuterium Production Cross Section

78-Pt-198
-0.792 To 1.546 %

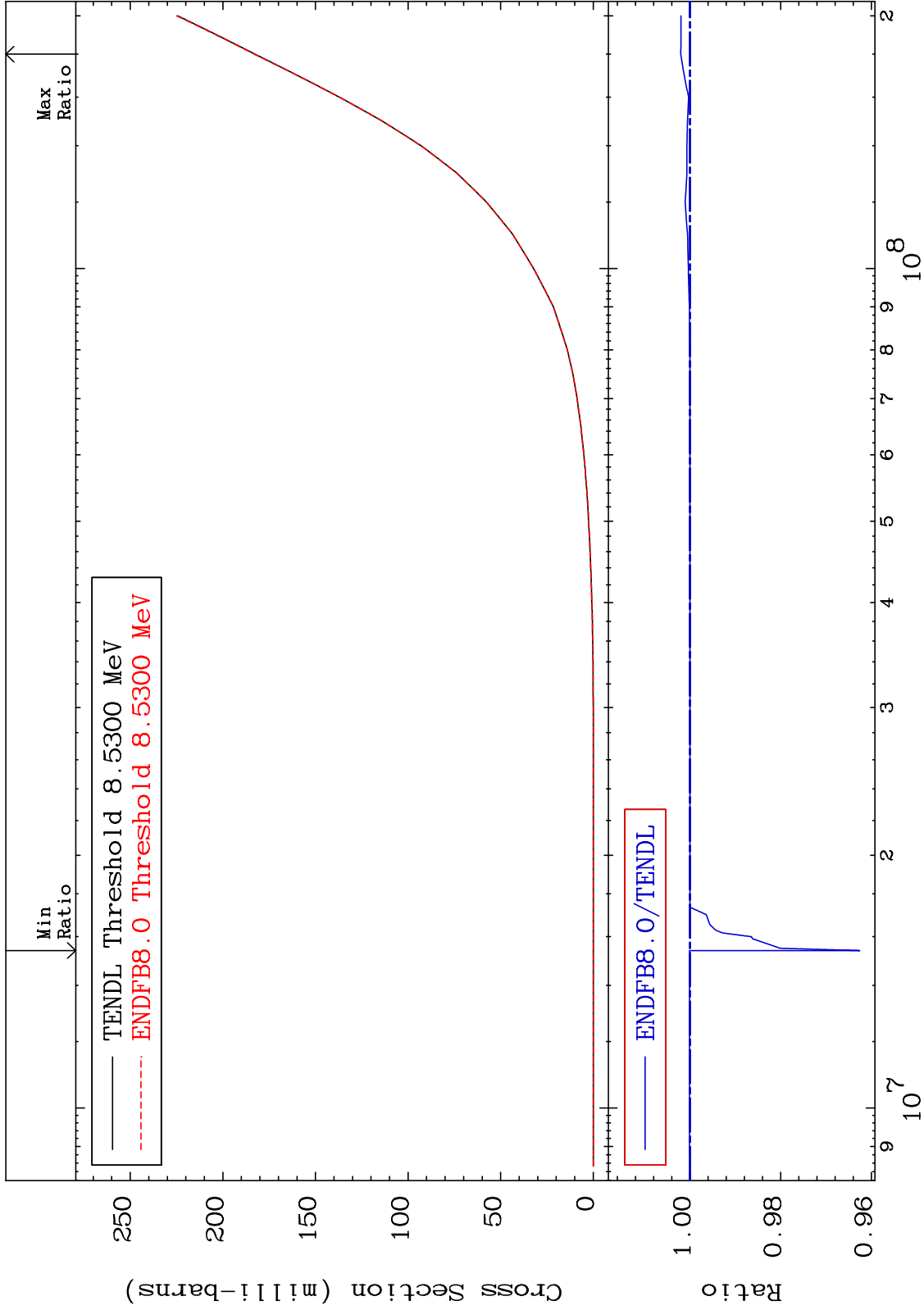




MAT 7849

He-3 Production
Cross Section

78-Pt-198
-3.742 To 0.202 %



58

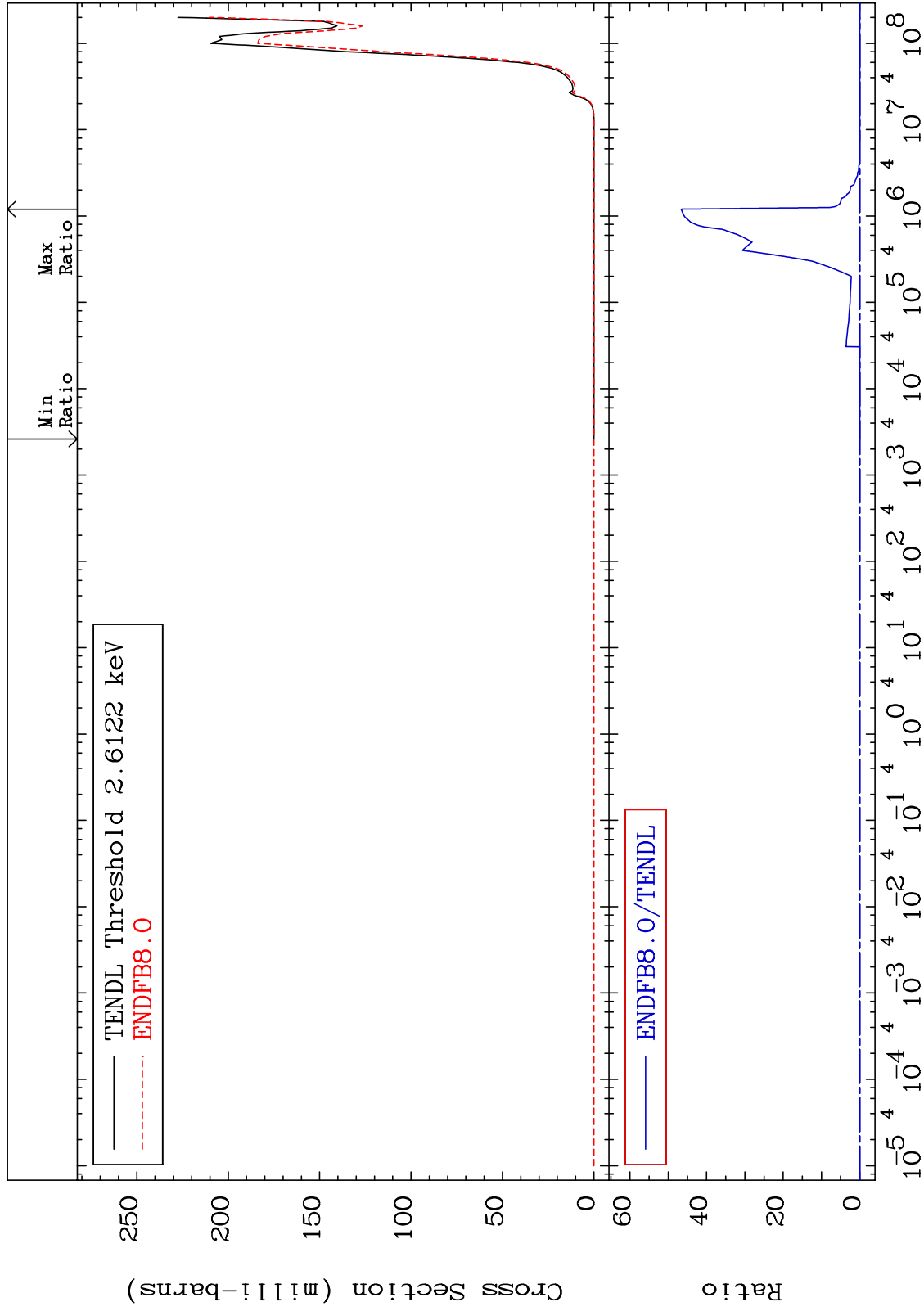
Incident Energy (eV)

78-Pt-198

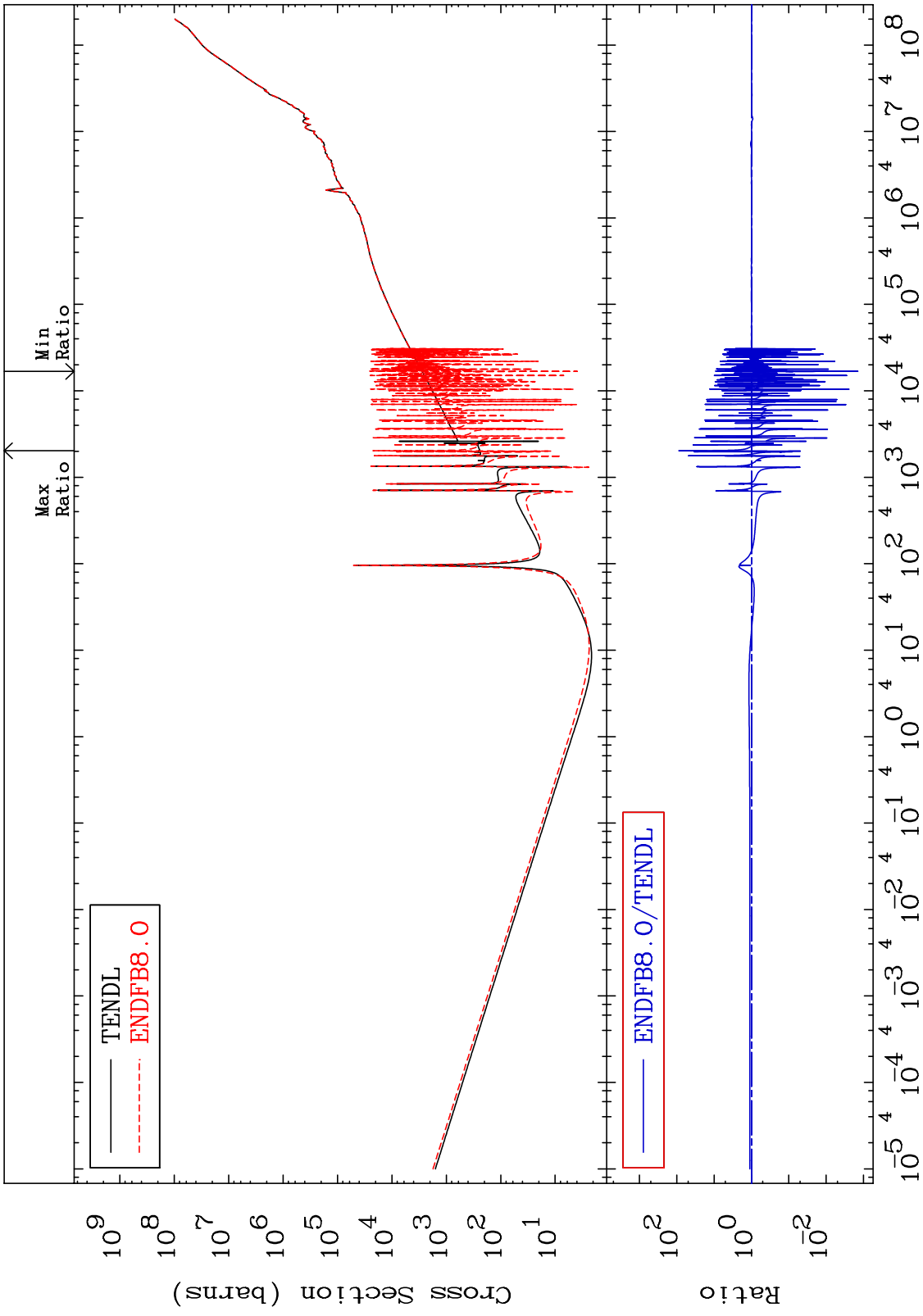
MAT 7849

He-4 Production
Cross Section

78-Pt-198
-100.0 To 9999. %



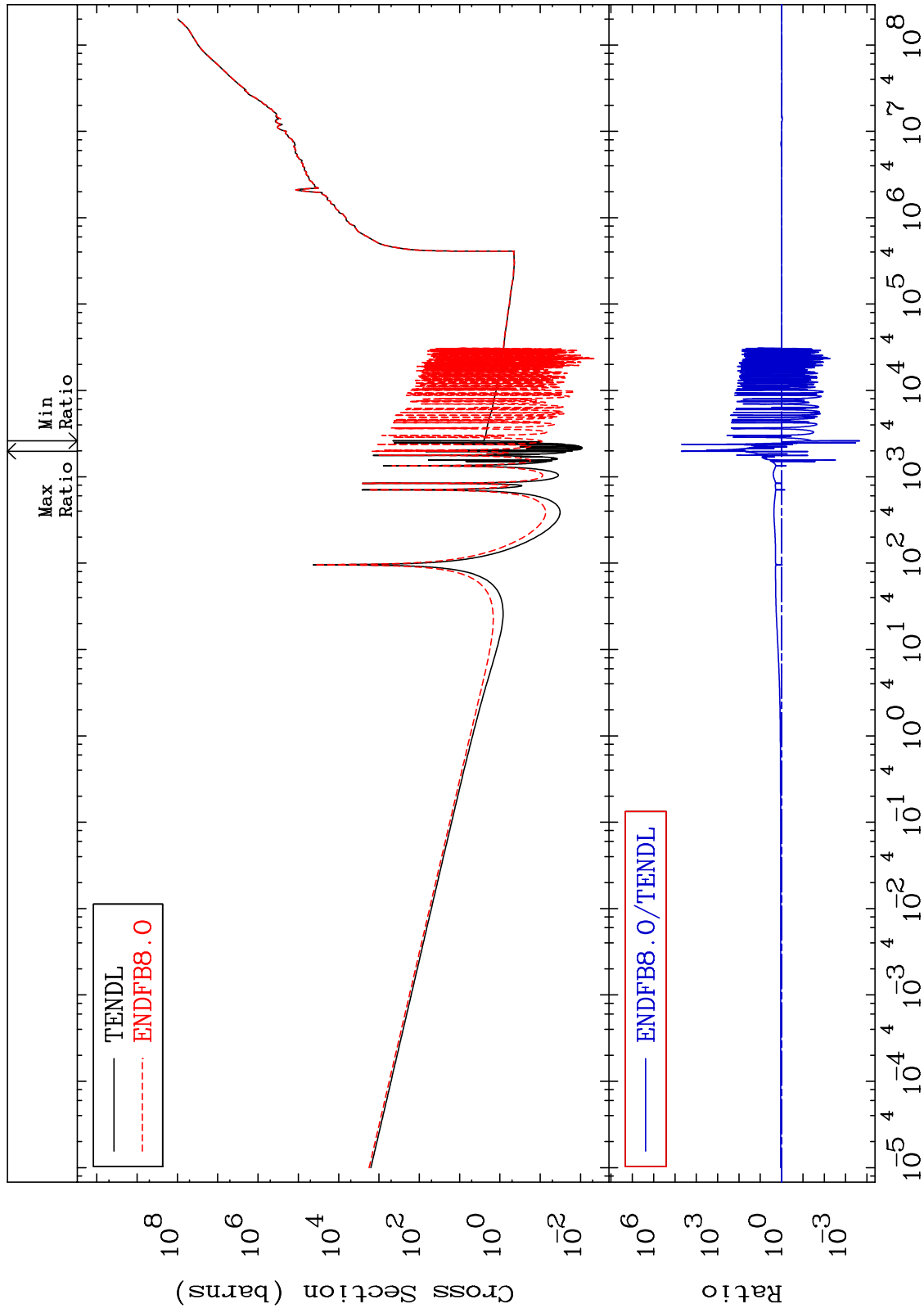
MAT 7849 Kerma total (eV-barns) 78-Pt-198
 Cross Section -99.86 To 8613. %

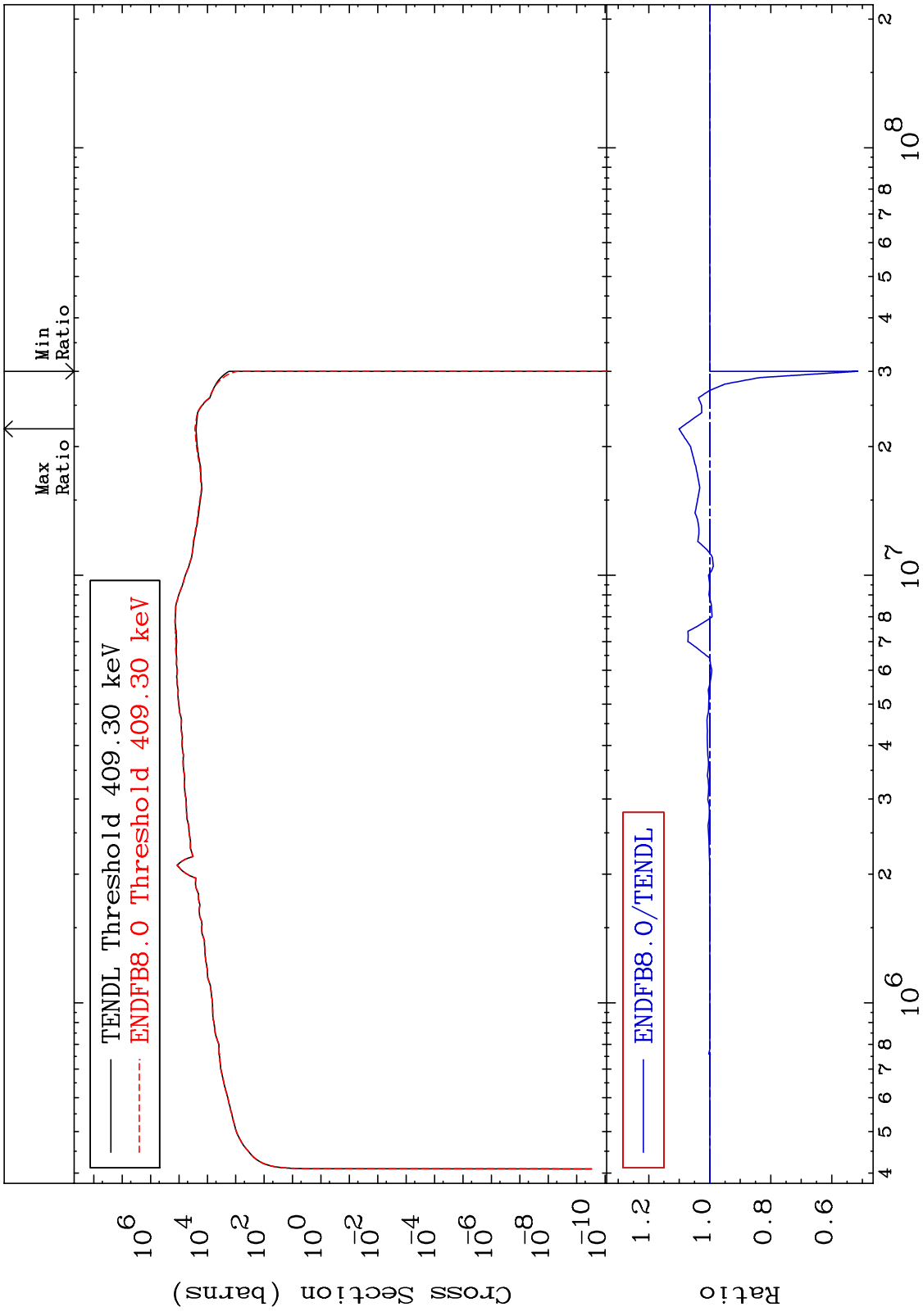


MAT 7849

Kerma non-elastic (all but mt2)
Cross Section

78-Pt-198
-99.98 To 9999. %

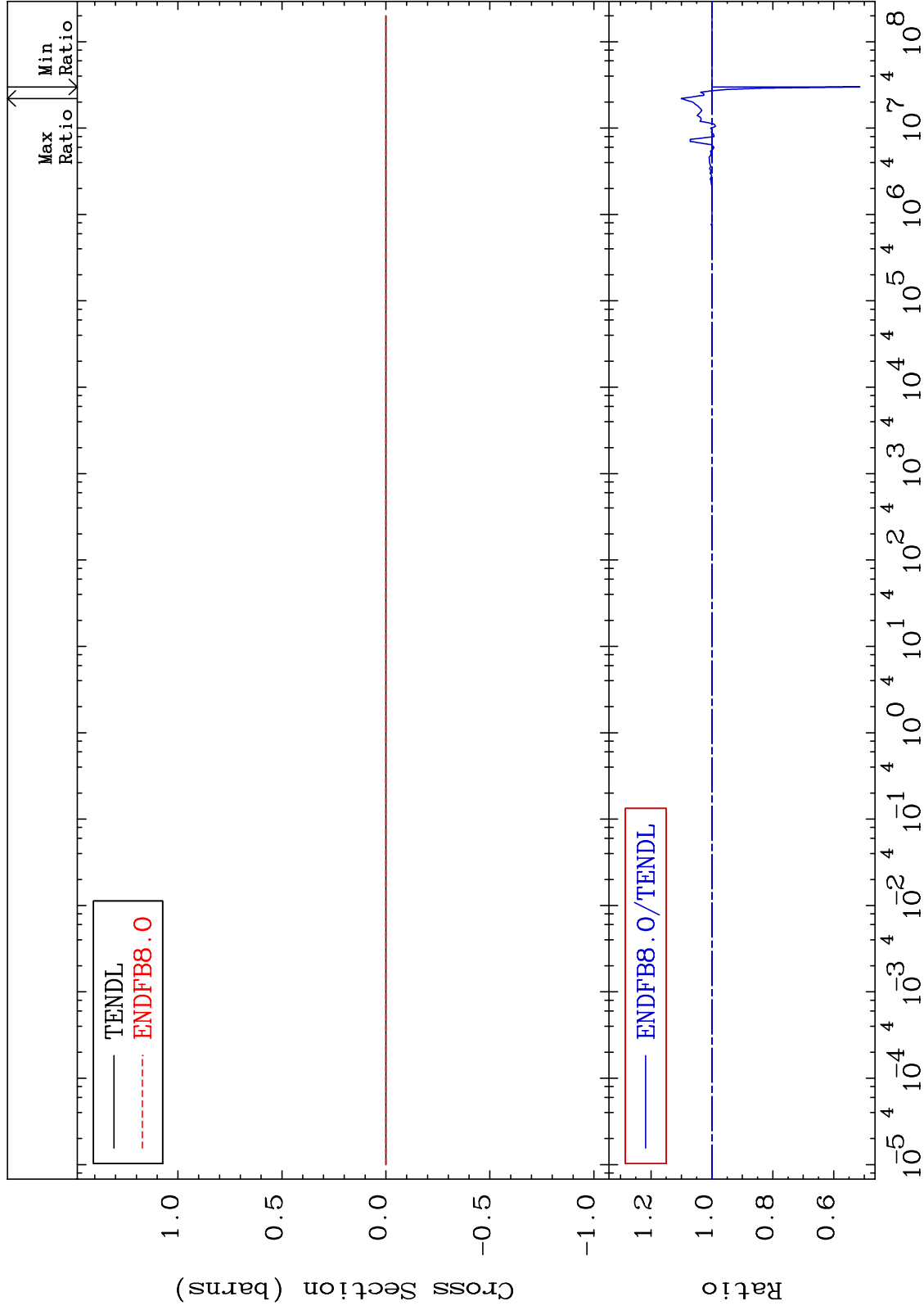




MAT 7849

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

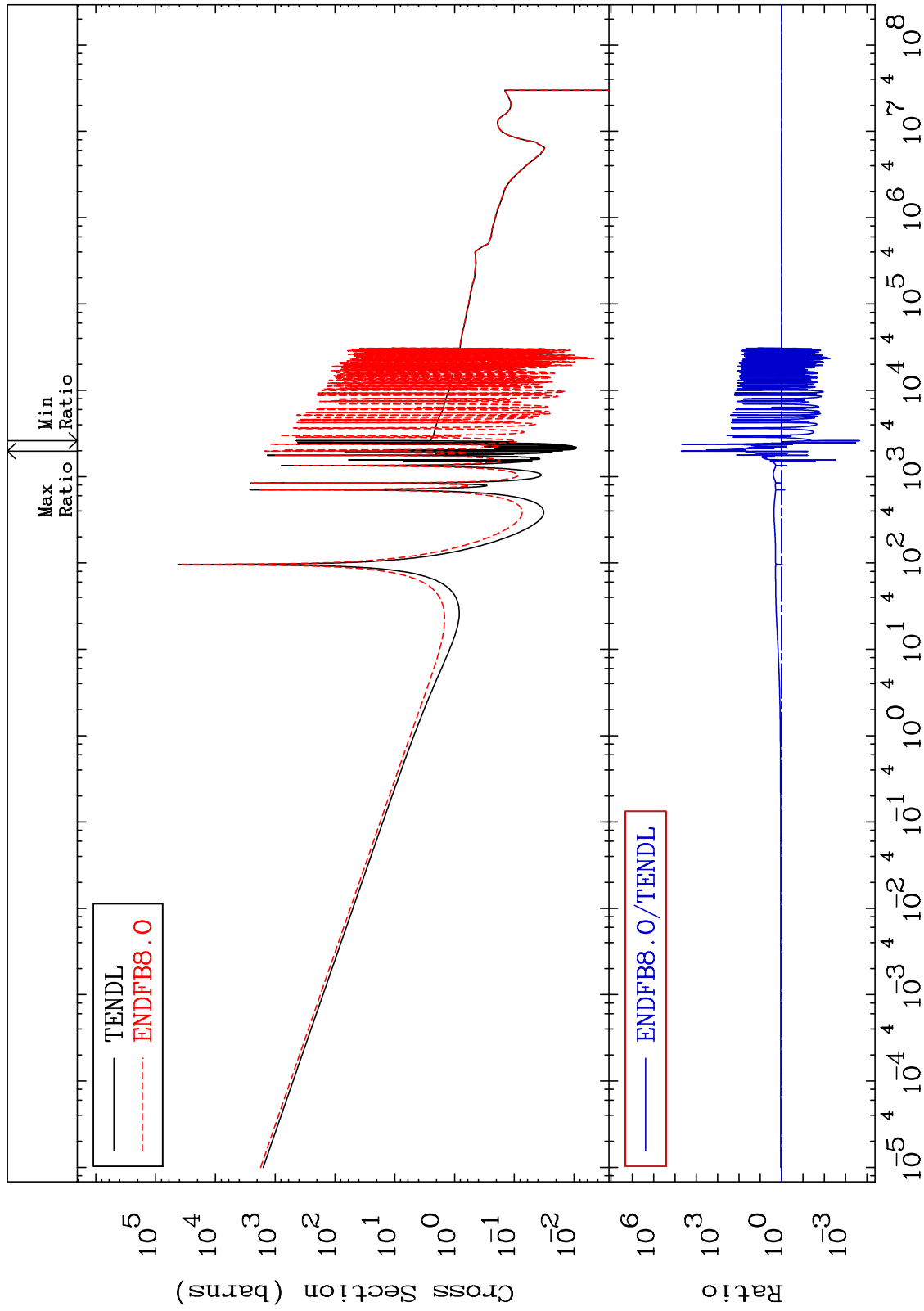
78-Pt-198
-48.54 To 10.06 %



MAT 7849

Kerma capture (mt102)
Cross Section

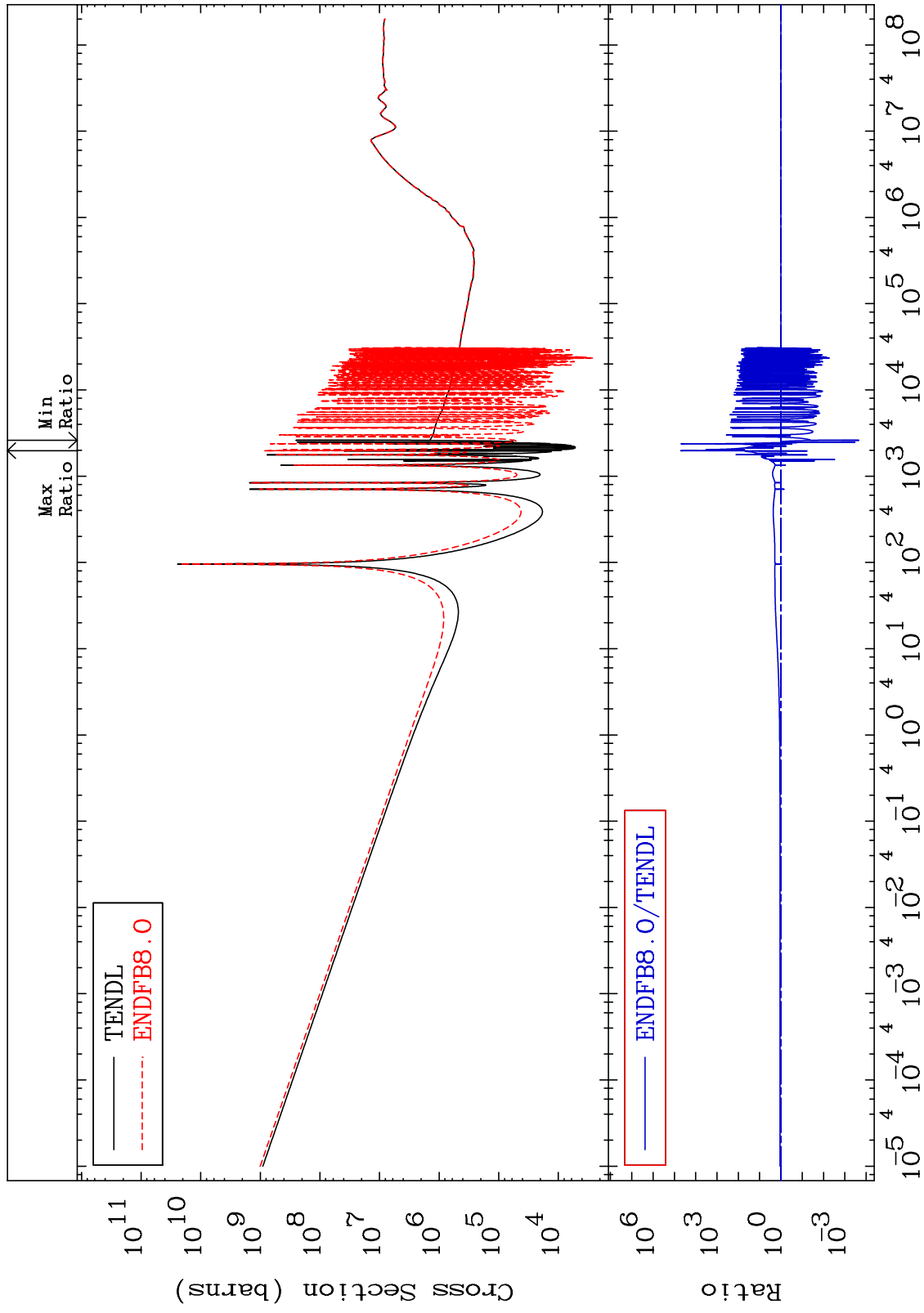
78-Pt-198
-99.98 To 9999. %



MAT 7849

Total photon (eV-barns)
Cross Section

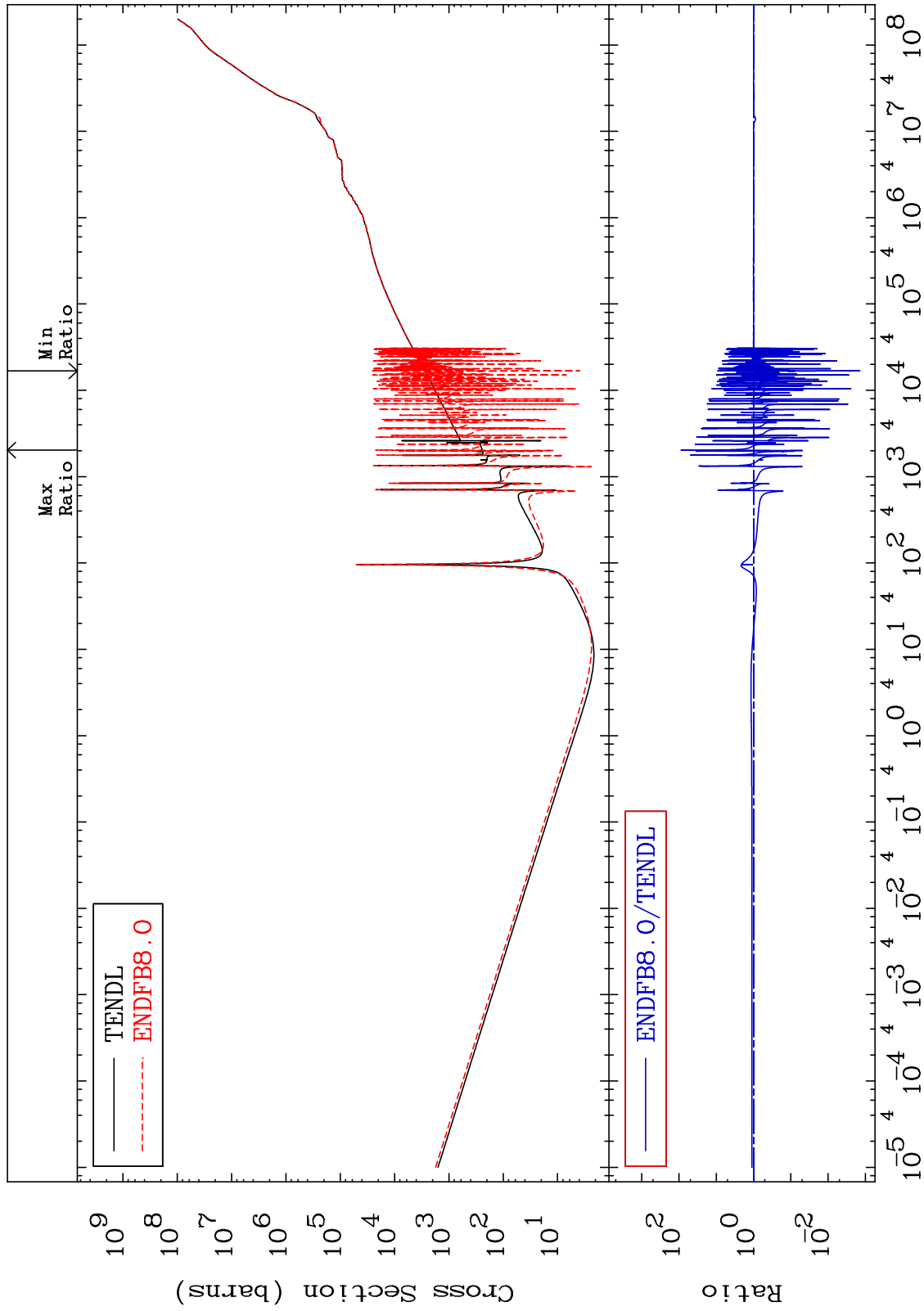
78-Pt-198
-99.98 To 9999. %



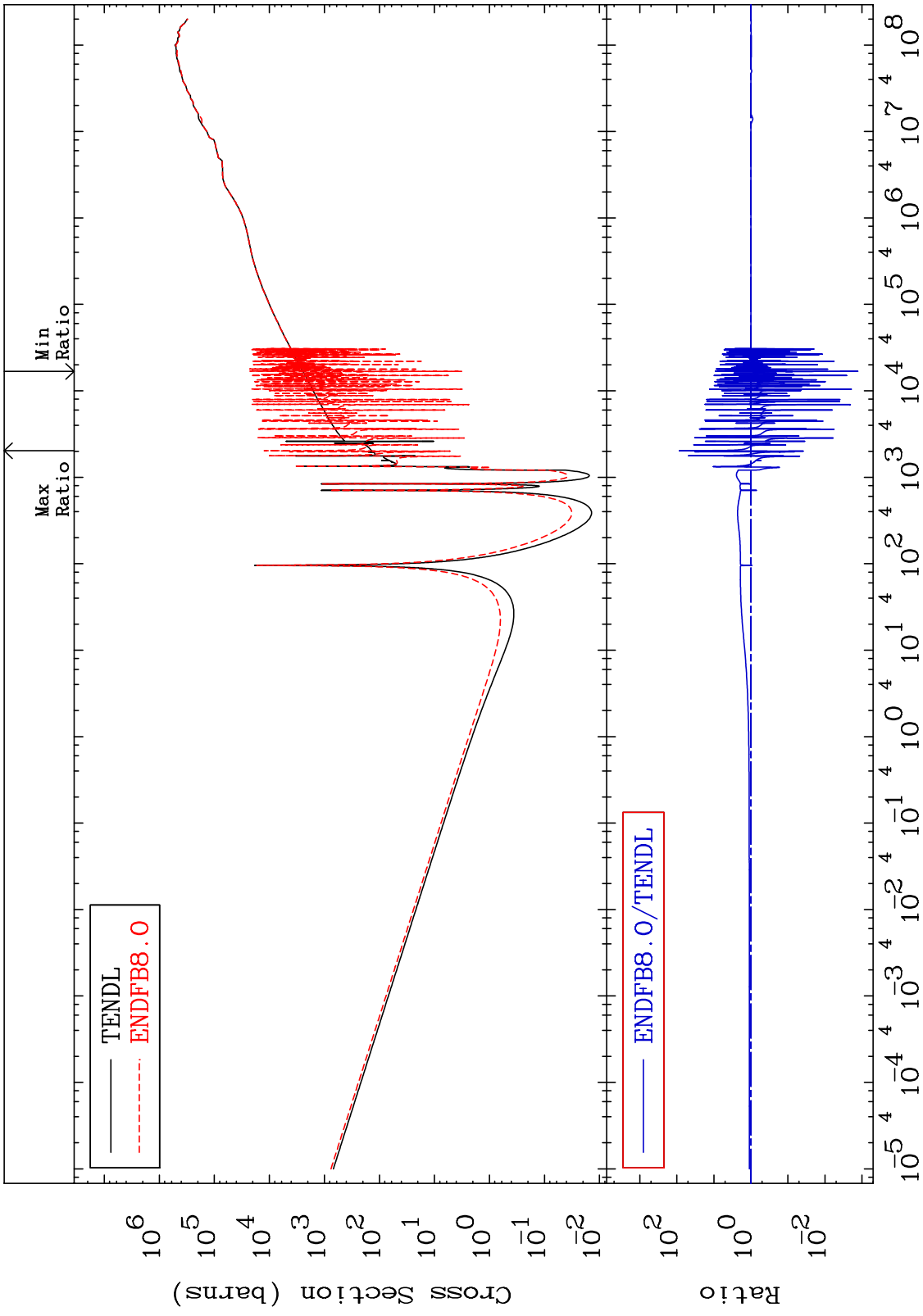
MAT 7849

Total kinematic kerma (high limit)
Cross Section

78-Pt-198
-99.86 To 8613. %



MAT 7849 Dpa total (eV-barns) 78-Pt-198
 Cross Section -99.87 To 8645. %

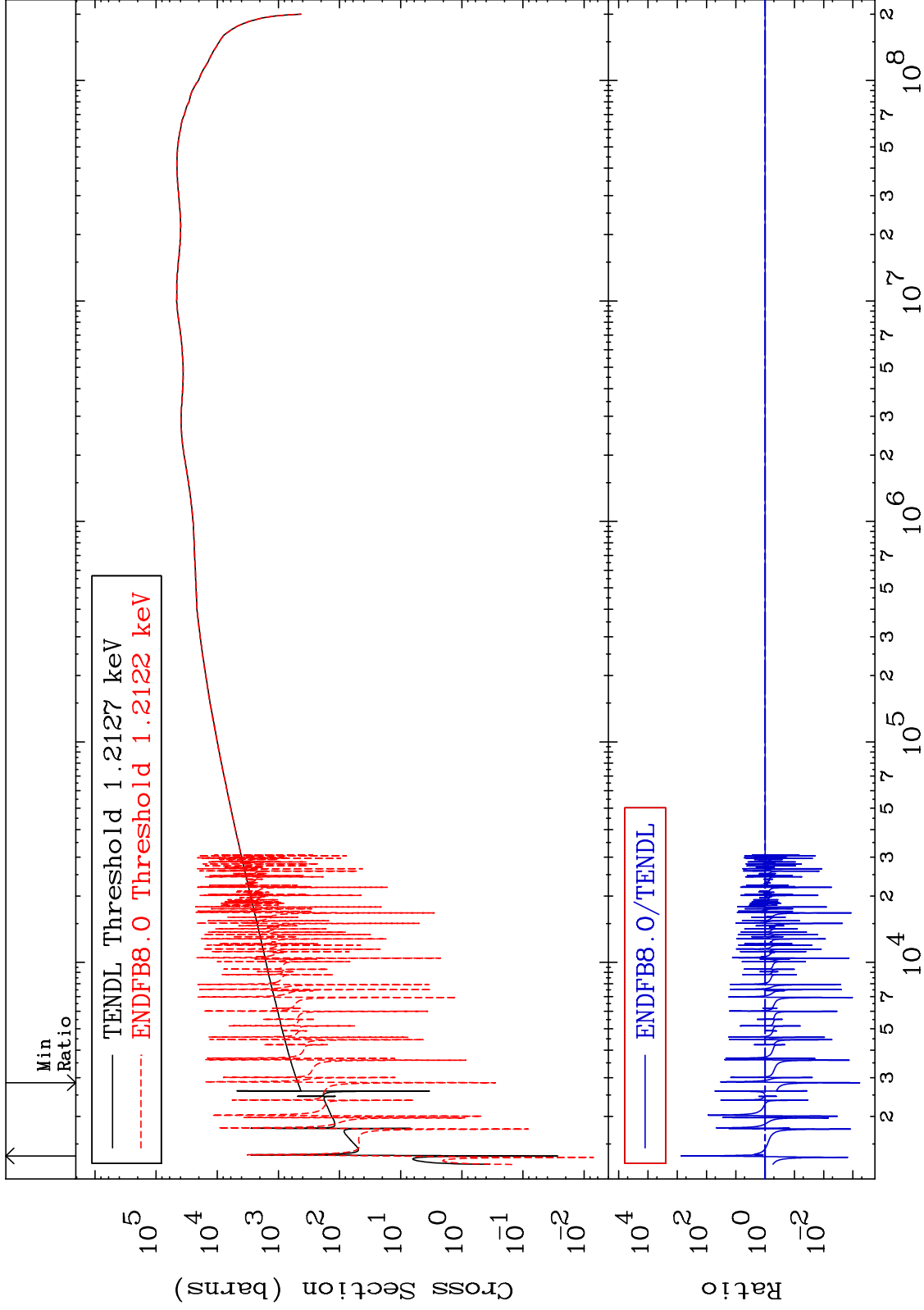


68 Incident Energy (eV) 78-Pt-198

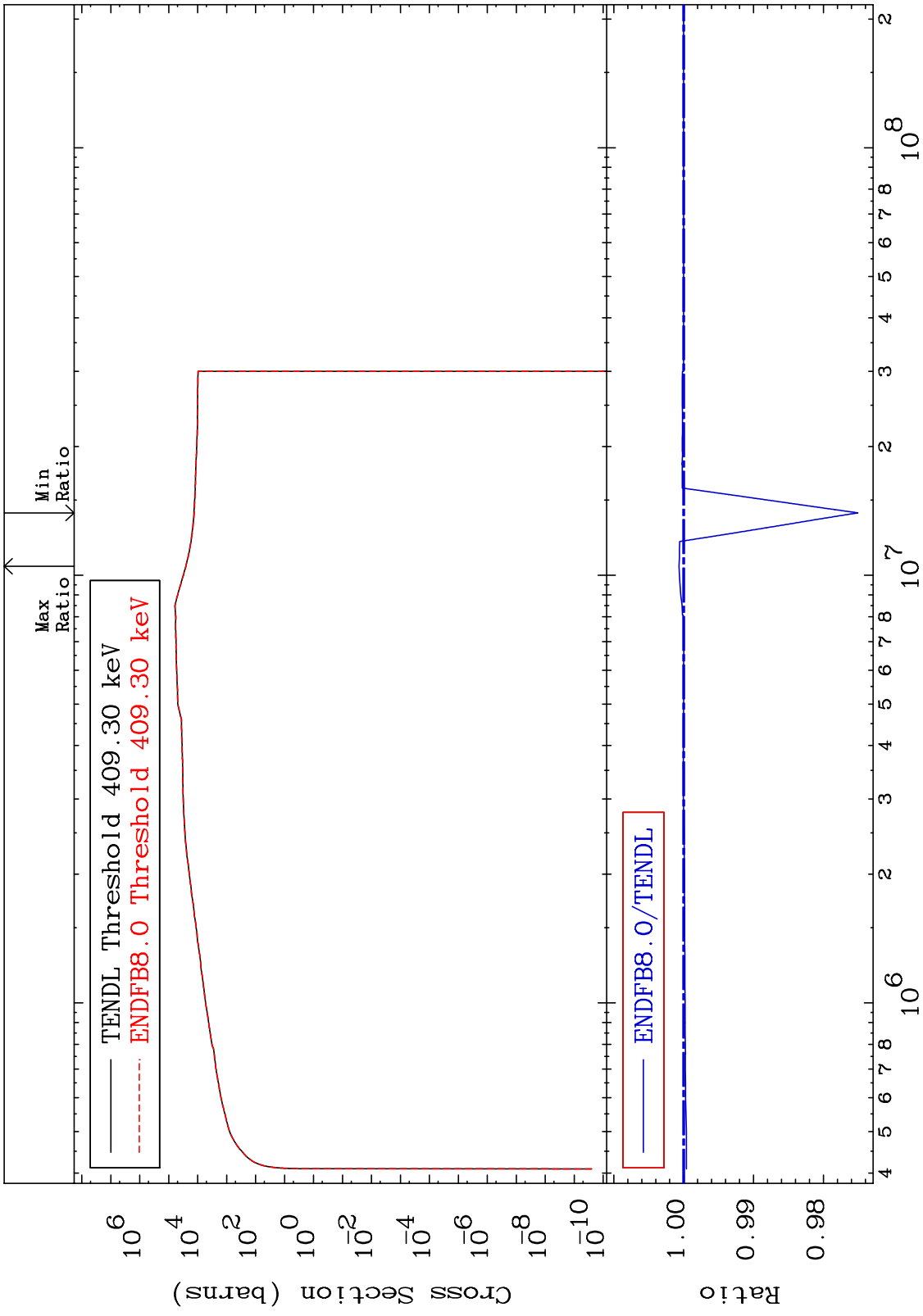
MAT 7849

Dpa elastic (mt2)
Cross Section

78-Pt-198
-99.94 To 9999. %



MAT 7849 Dpa inelastic (mt51-91) 78-Pt-198
Cross Section -2.493 To 0.066 %

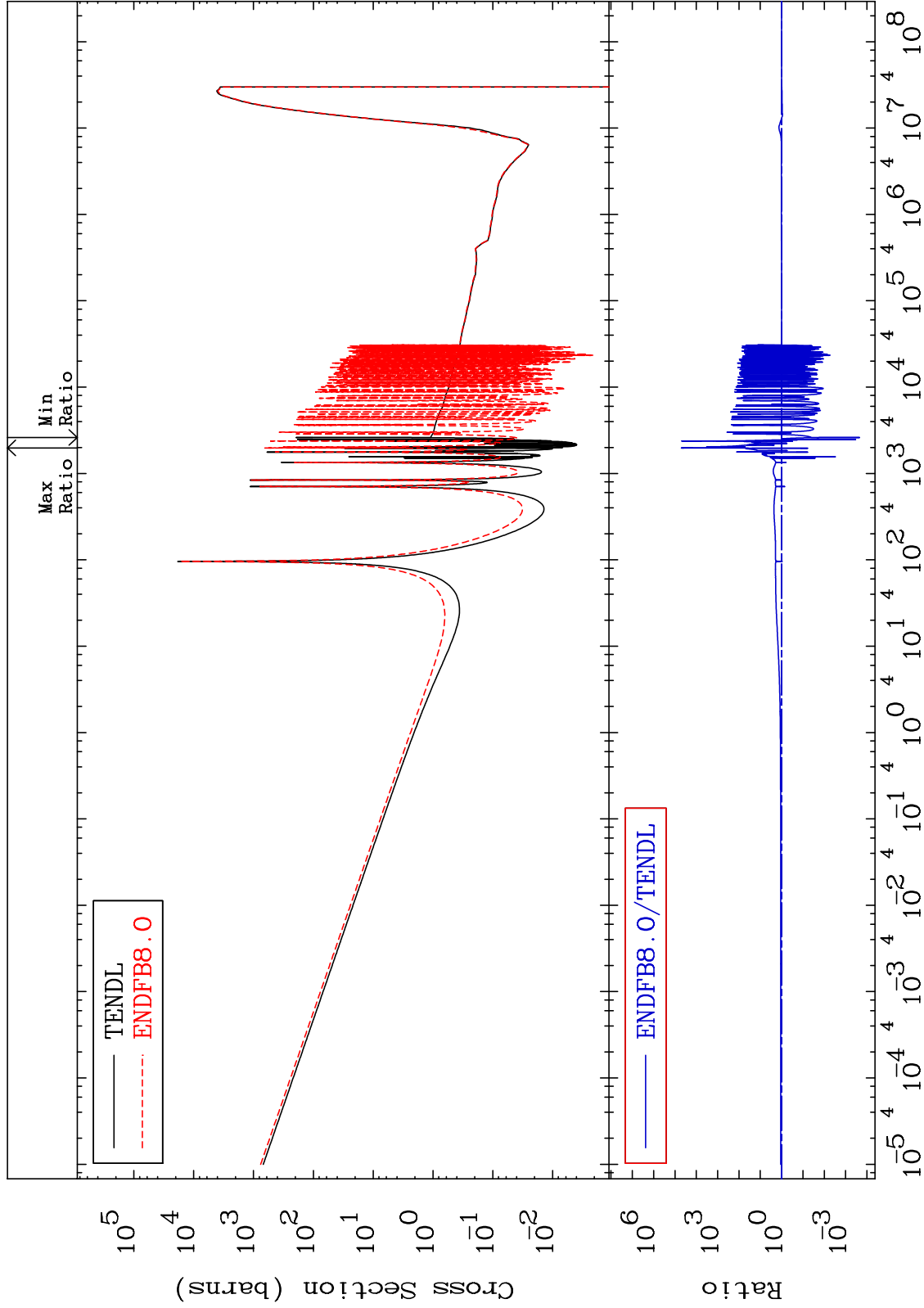


70 78-Pt-198

MAT 7849

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-198
-99.98 To 9999. %



71

Incident Energy (eV)

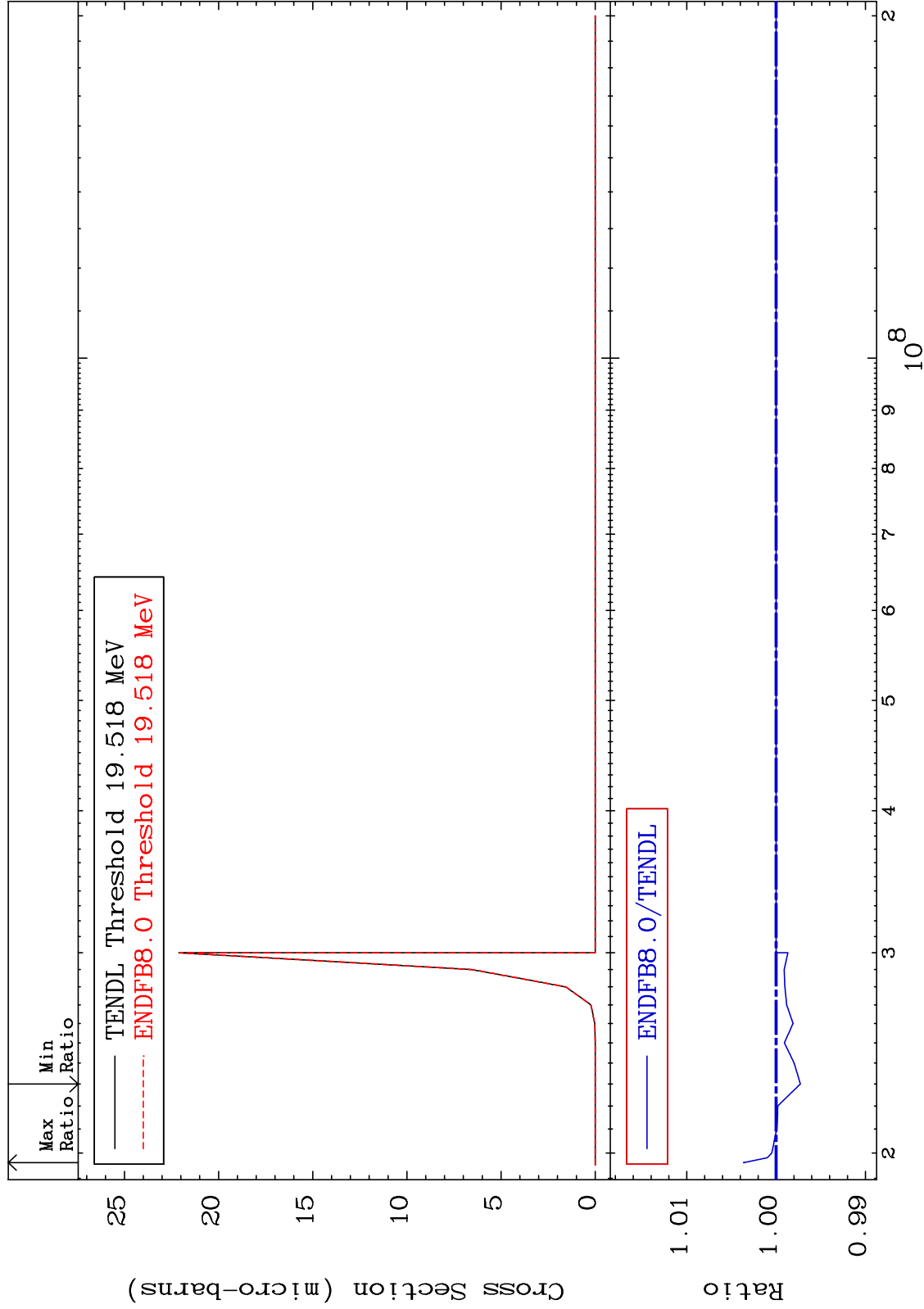
78-Pt-198

MAT 7849

(n,2n) d:77-Ir-195g

78-Pt-198

Radionuclide Production Cross Section -0.272 To 0.363 %



72

Incident Energy (eV)

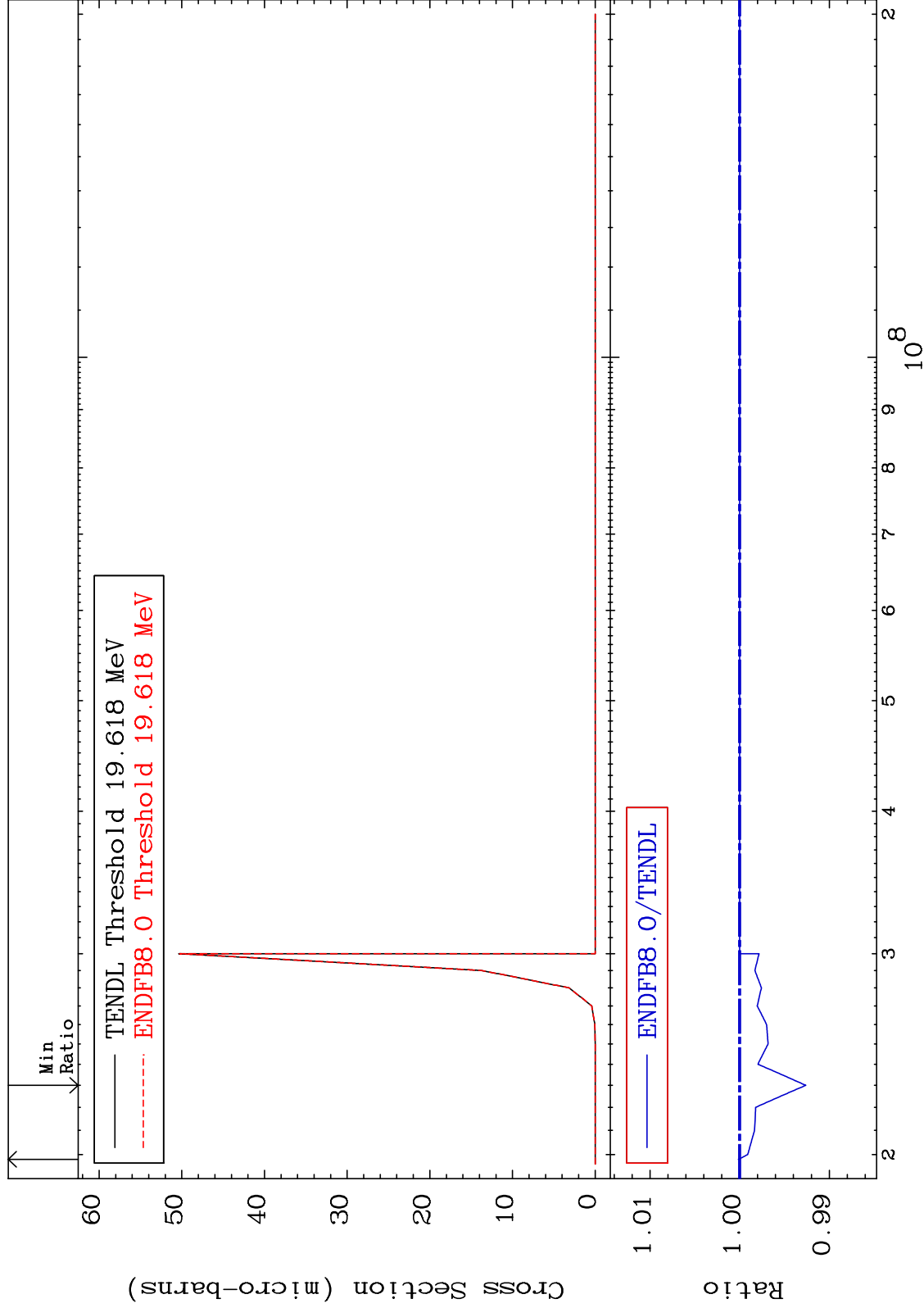
78-Pt-198

MAT 7849

(n,2n) d:77-Ir-195m2

78-Pt-198

Radionuclide Production Cross Section -0.737 To 0.015 %



73

Incident Energy (eV)

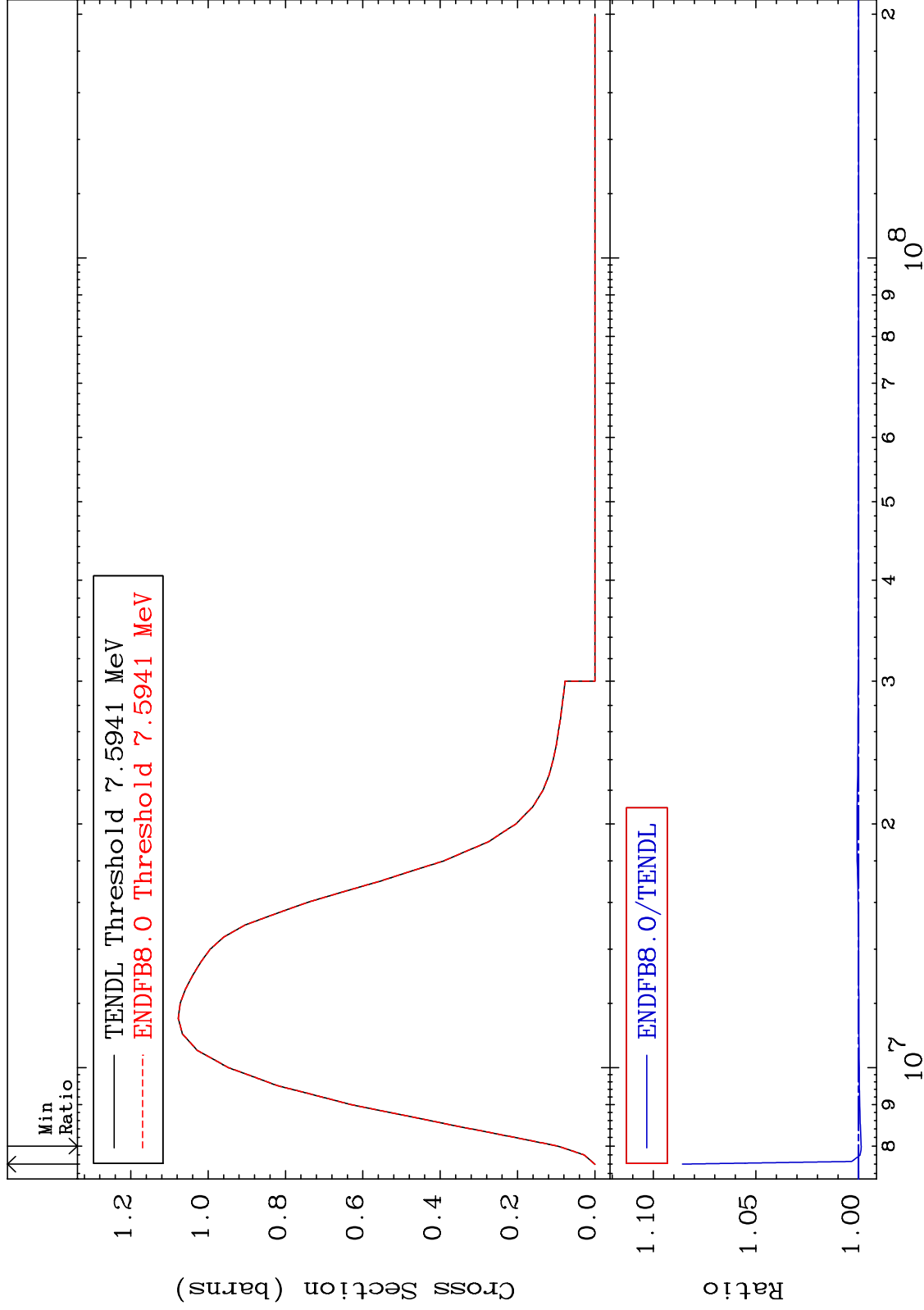
78-Pt-198

MAT 7849

(n,2n):78-Pt-197g

78-Pt-198

Radionuclide Production Cross Section -0.135 To 8.578 %

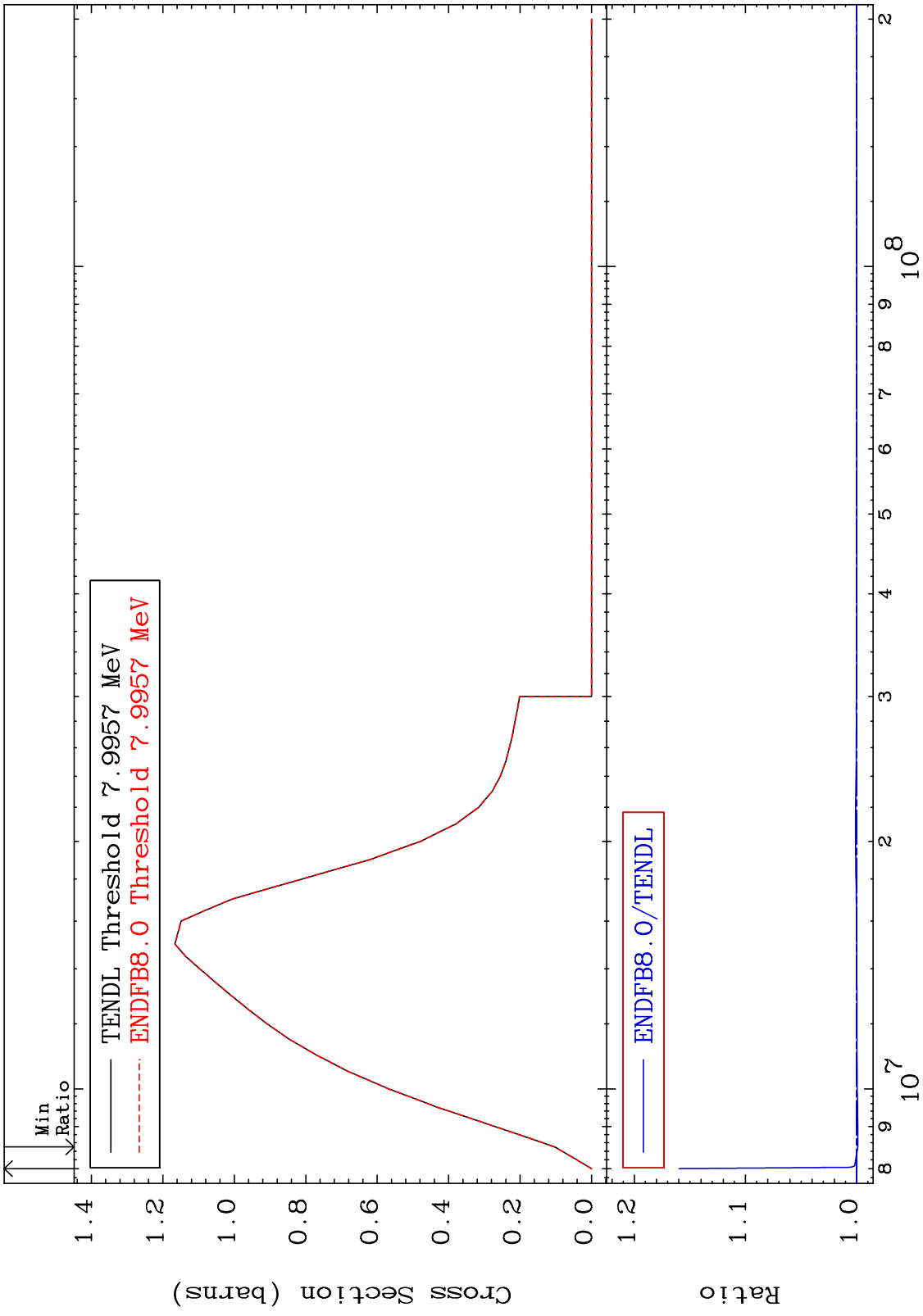


74

Incident Energy (eV)

78-Pt-198

MAT 7849 (n,2n):78-Pt-197m9 78-Pt-198
 Radionuclide Production Cross Section -0.106 To 15.98 %



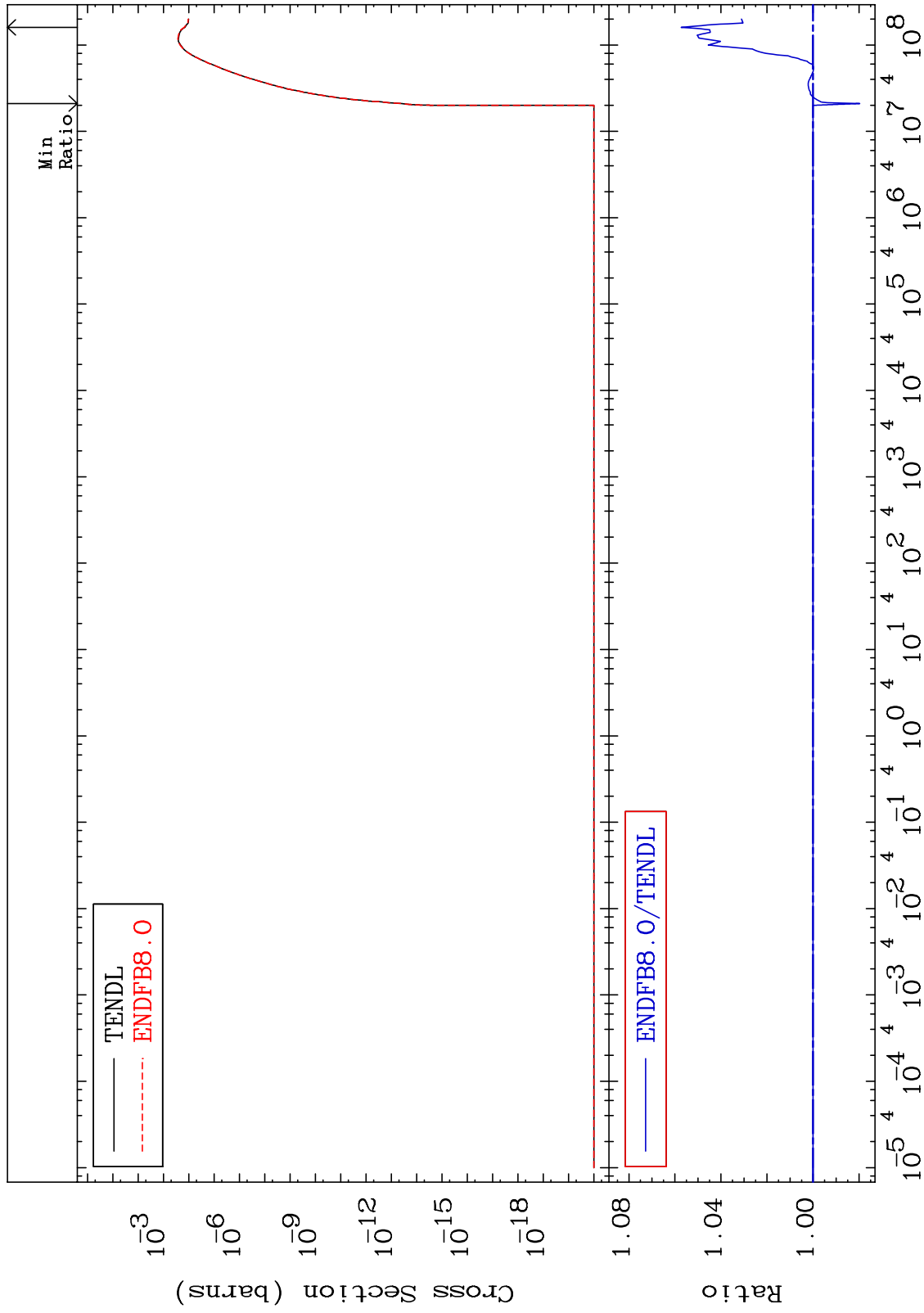
75 Incident Energy (eV) 78-Pt-198

MAT 7849

Fission:0-??-Nat

78-Pt-198

Radionuclide Production Cross Section -2.028 To 5.727 %



76

Incident Energy (eV)

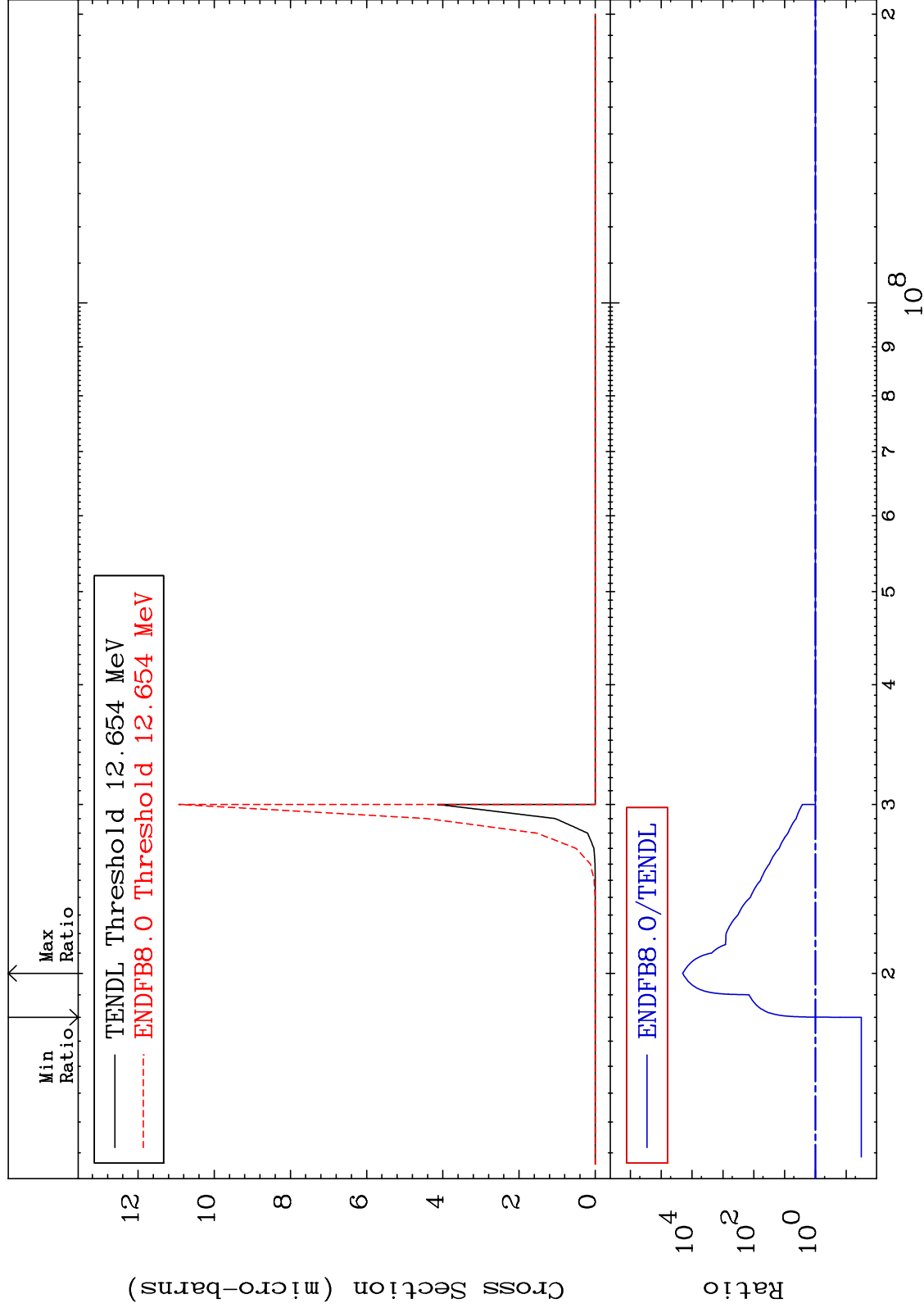
78-Pt-198

MAT 7849

(n,3n) α : 76-Os-192g

78-Pt-198

Radionuclide Production Cross Section -96.77 To 9999. %

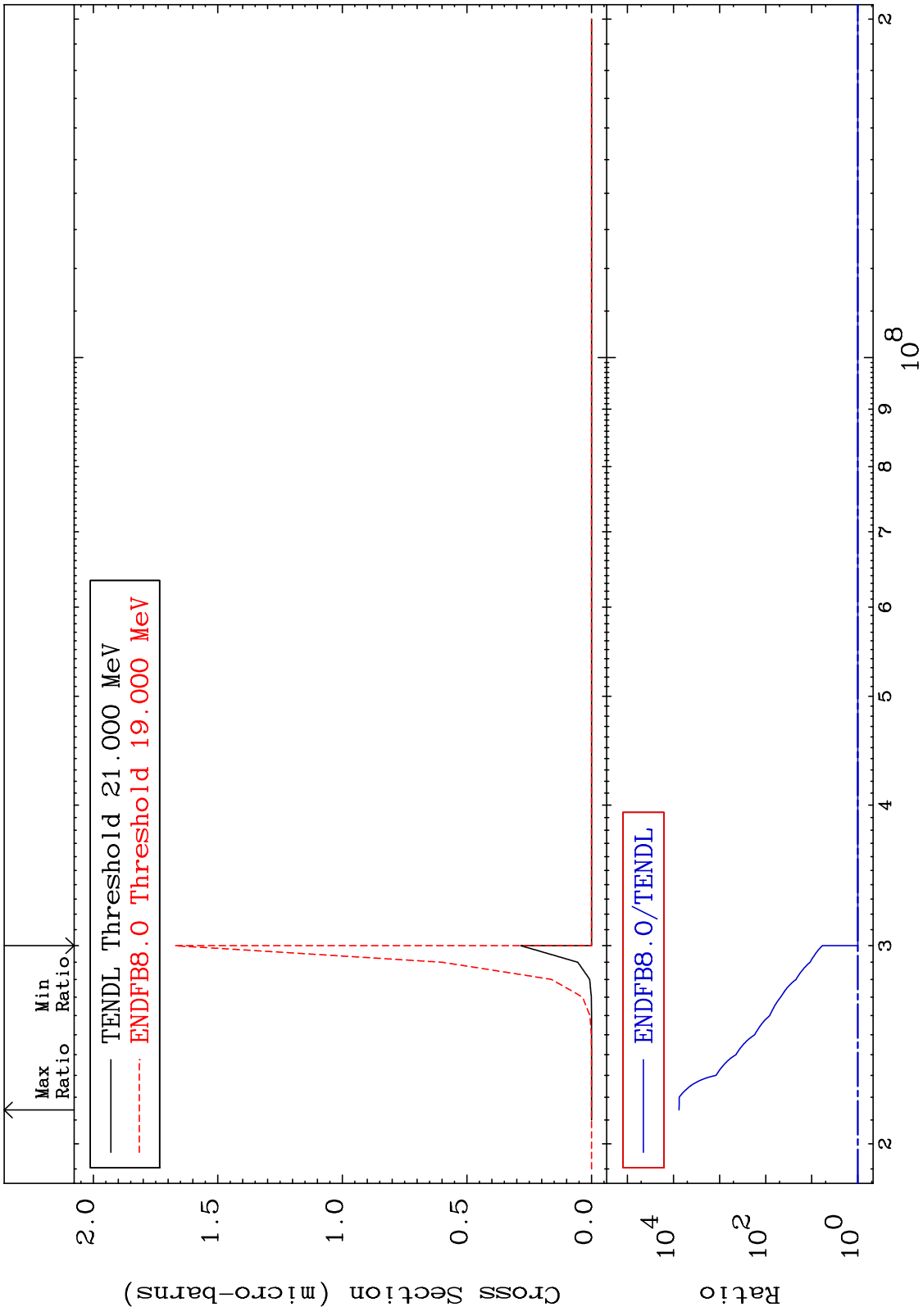


77

Incident Energy (eV)

78-Pt-198

MAT 7849 (n,3n) α :76-0s-192m10 78-Pt-198
 Radionuclide Production Cross Section 0.000 To 9999. %



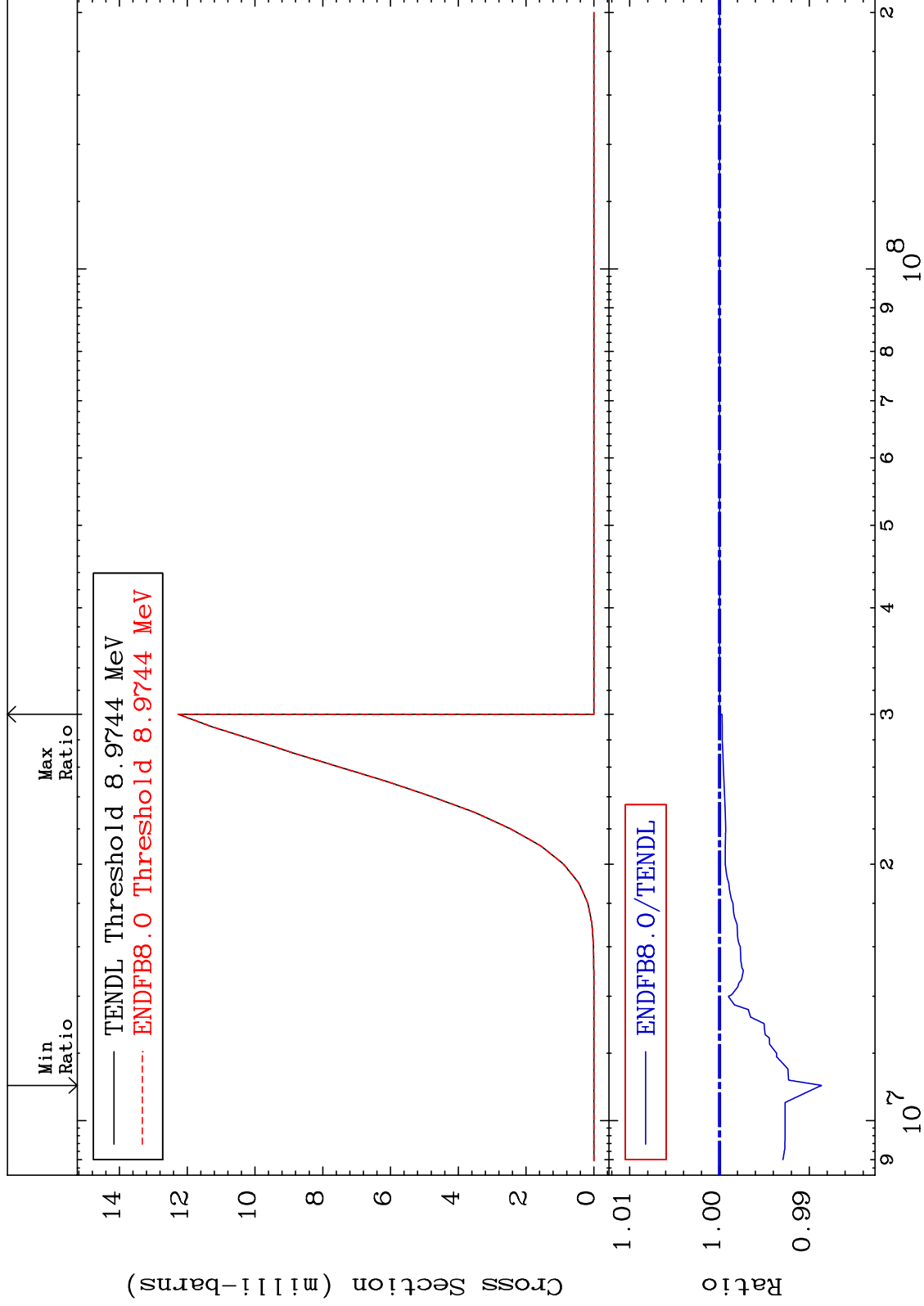
78 78-Pt-198

MAT 7849

(n, n') p: 77-Ir-197g

78-Pt-198

Radionuclide Production Cross Section -1.136 To 0.000 %



79

Incident Energy (eV)

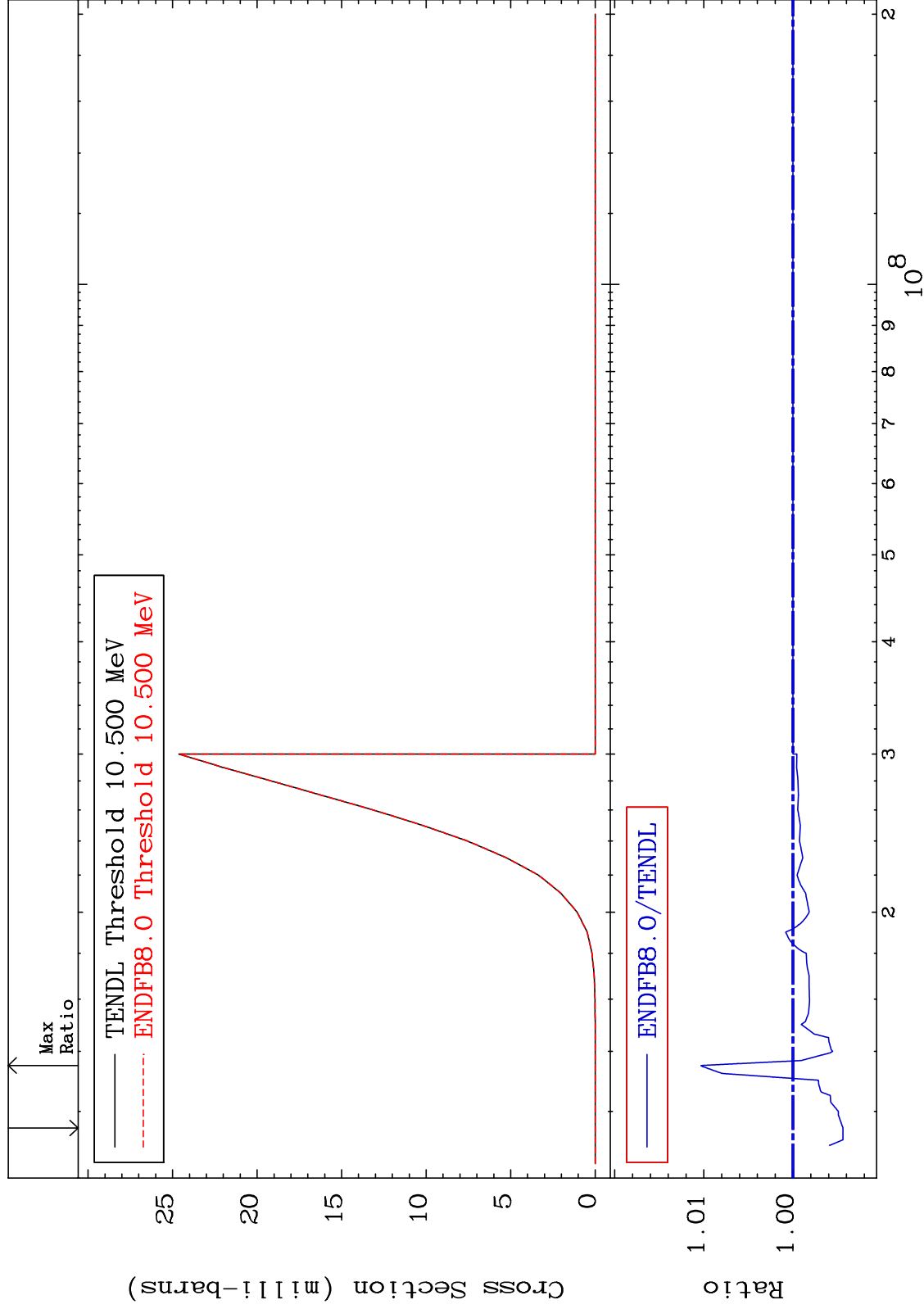
78-Pt-198

MAT 7849

(n,n') p:77-Ir-197m2

78-Pt-198

Radionuclide Production Cross Section -0.561 To 1.032 %

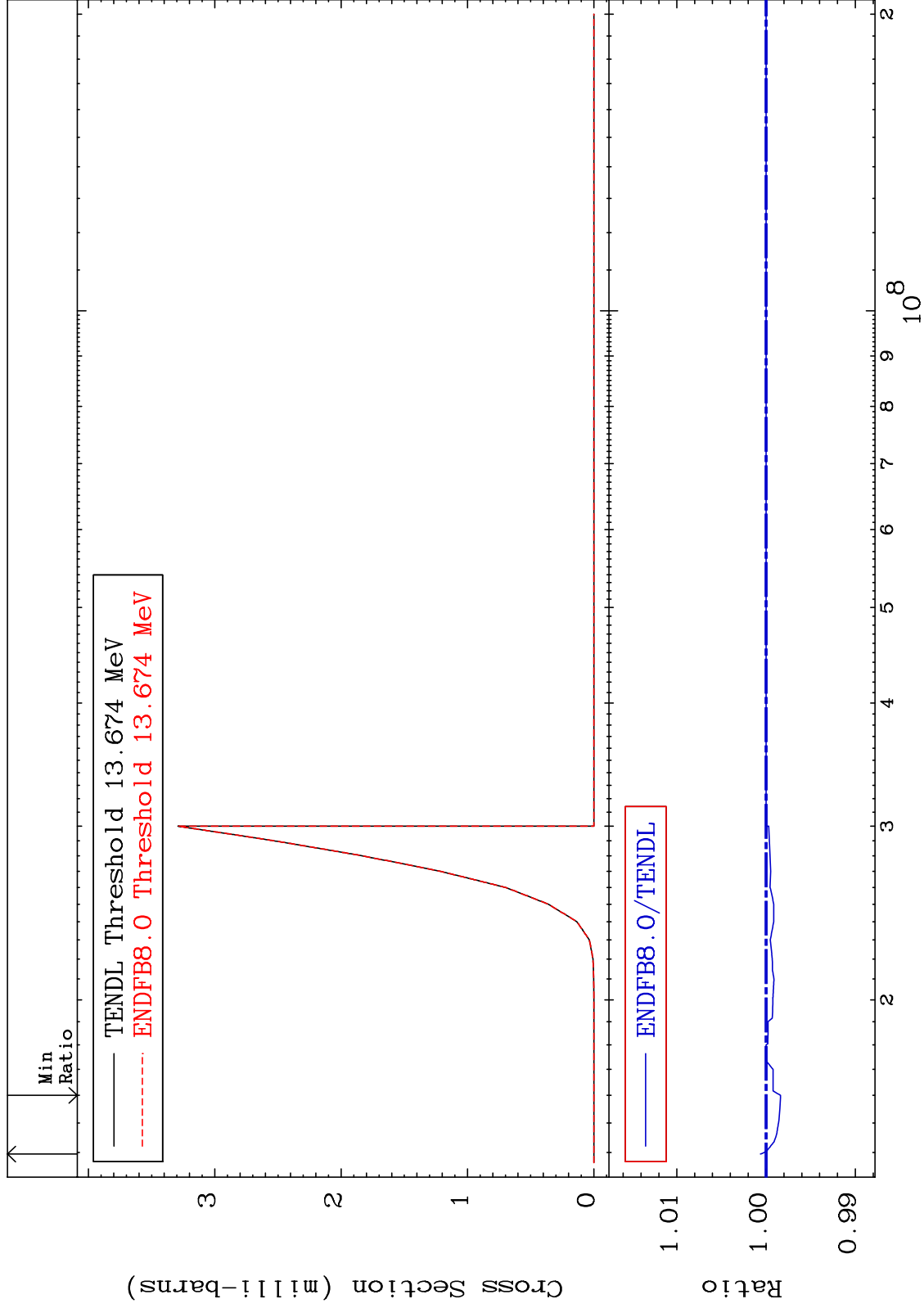


MAT 7849

(n, n') d:77-Ir-196g

78-Pt-198

Radionuclide Production Cross Section -0.162 To 0.062 %

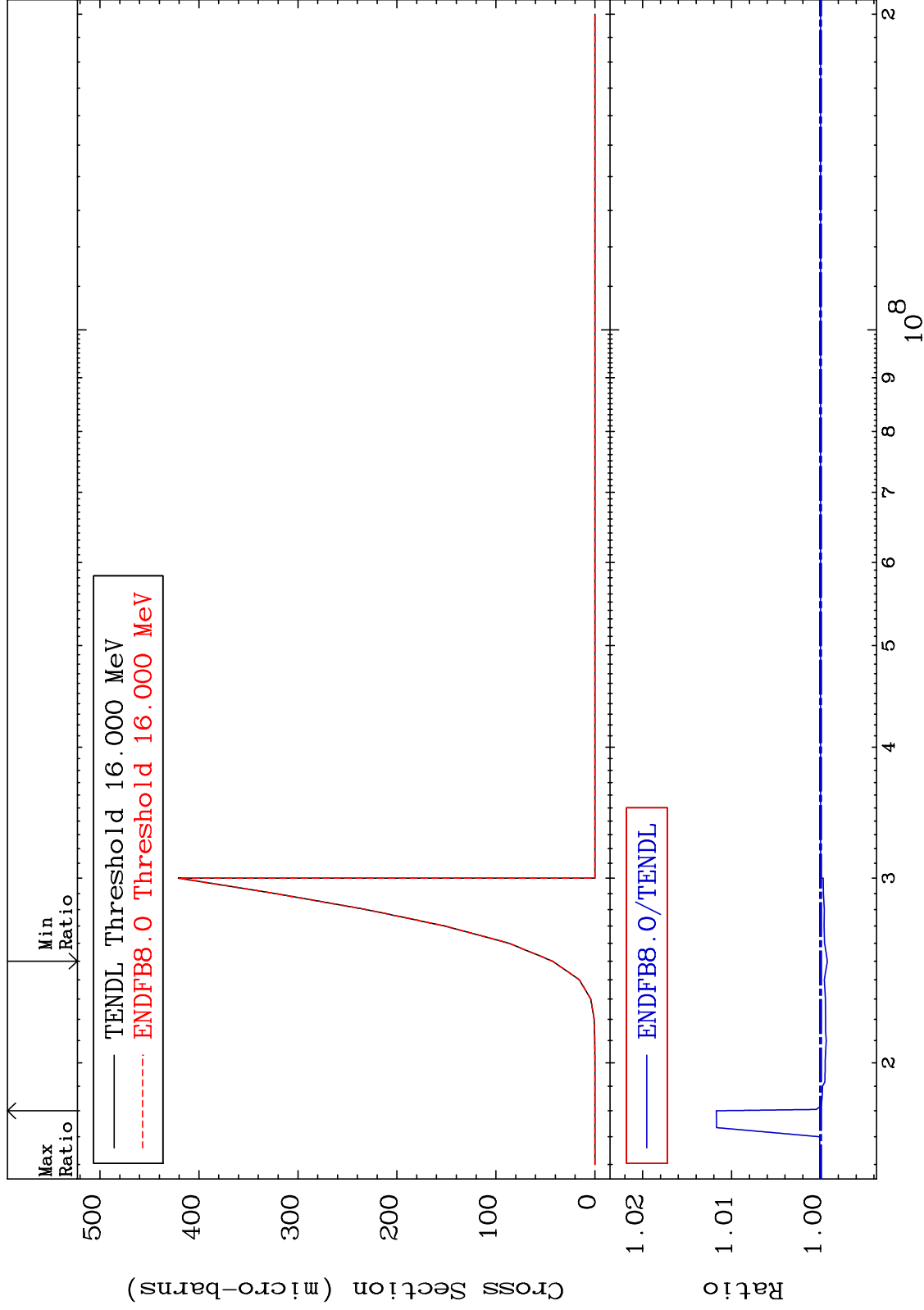


MAT 7849

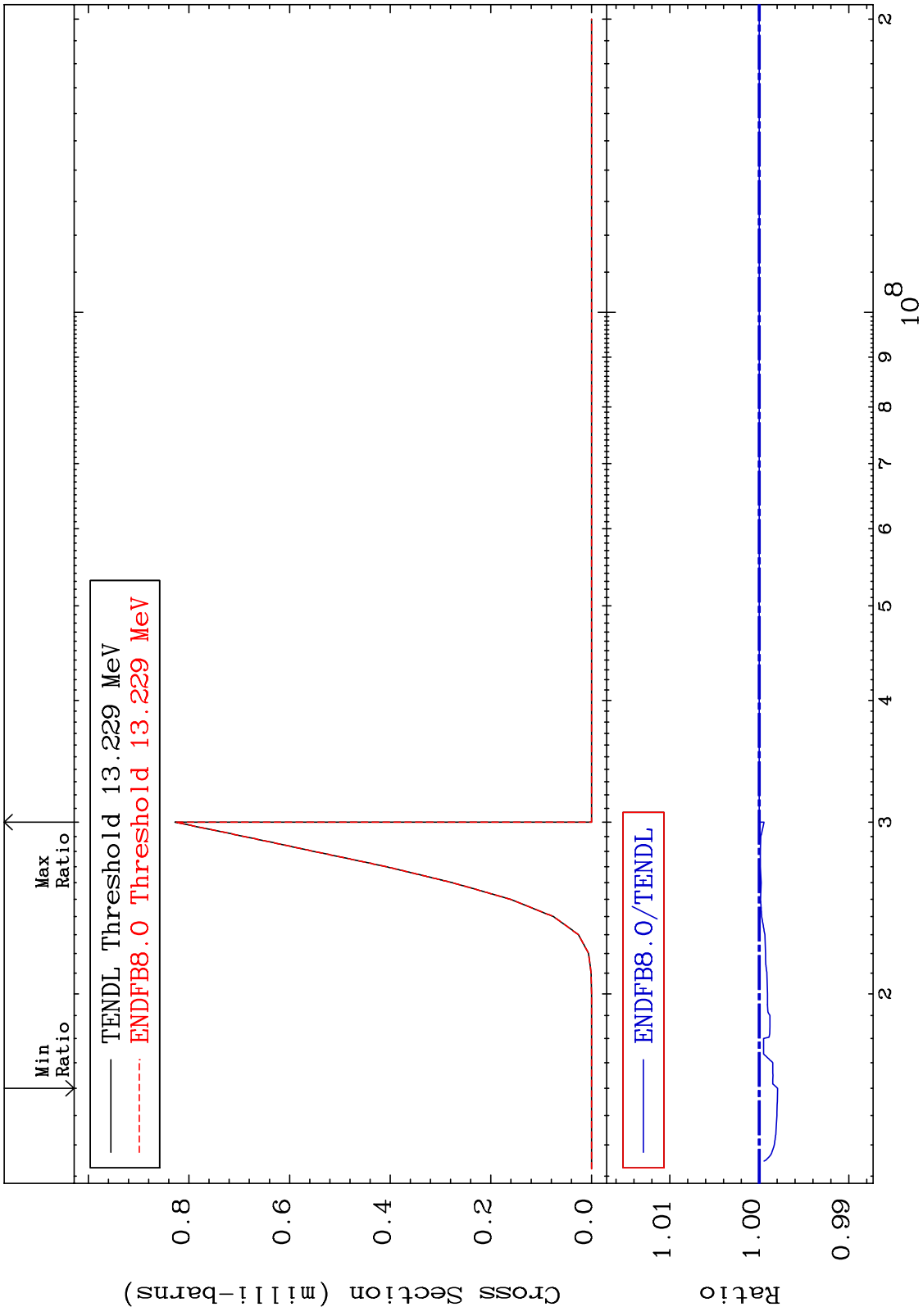
(n,n') d:77-Ir-196m4

78-Pt-198

Radionuclide Production Cross Section -0.077 To 1.172 %



MAT 7849 (n,n') t:77-Ir-195g 78-Pt-198
 Radionuclide Production Cross Section -0.205 To 0.000 %

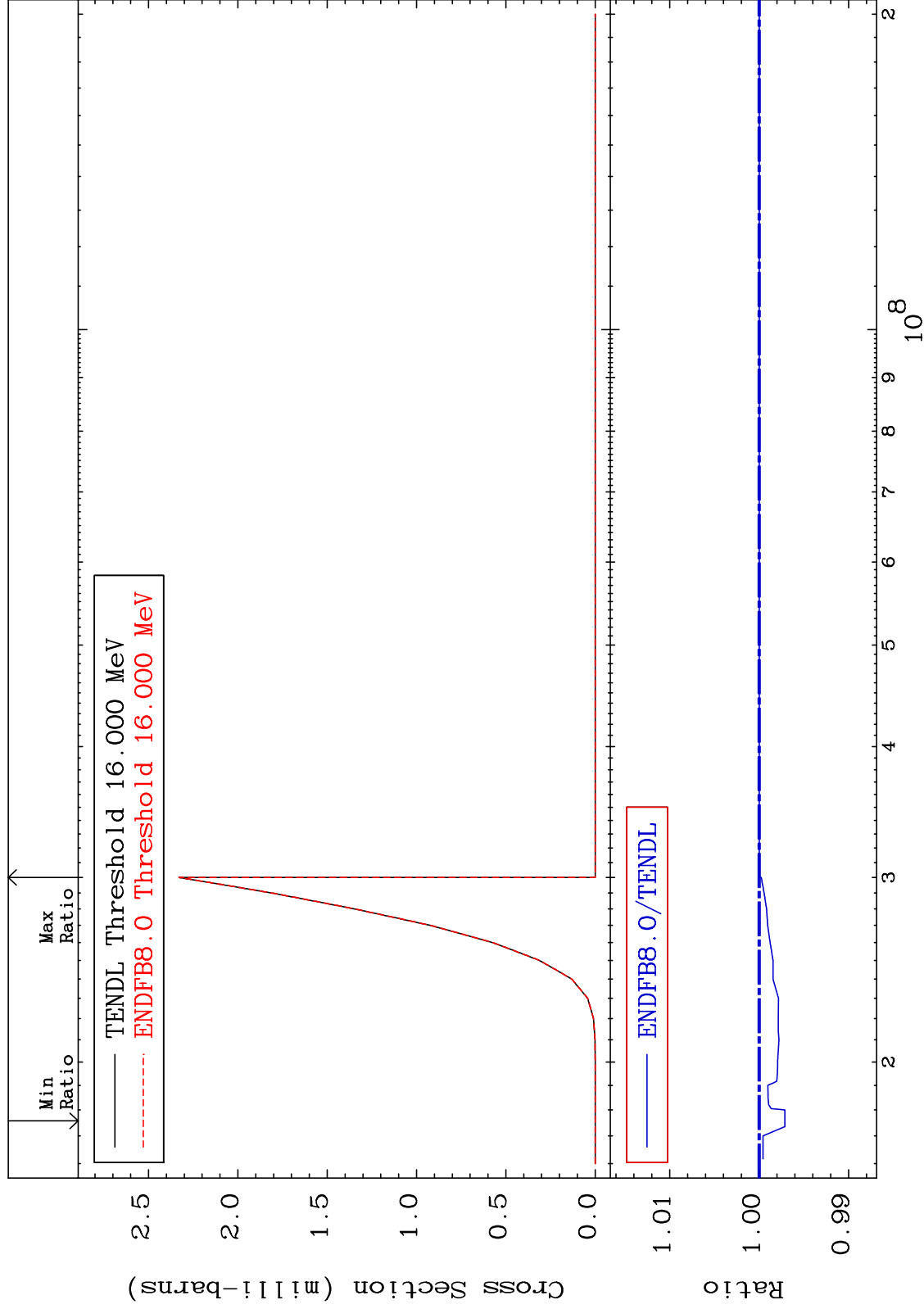


MAT 7849

(n,n') t:77-Ir-195m2

78-Pt-198

Radionuclide Production Cross Section -0.287 To 0.000 %

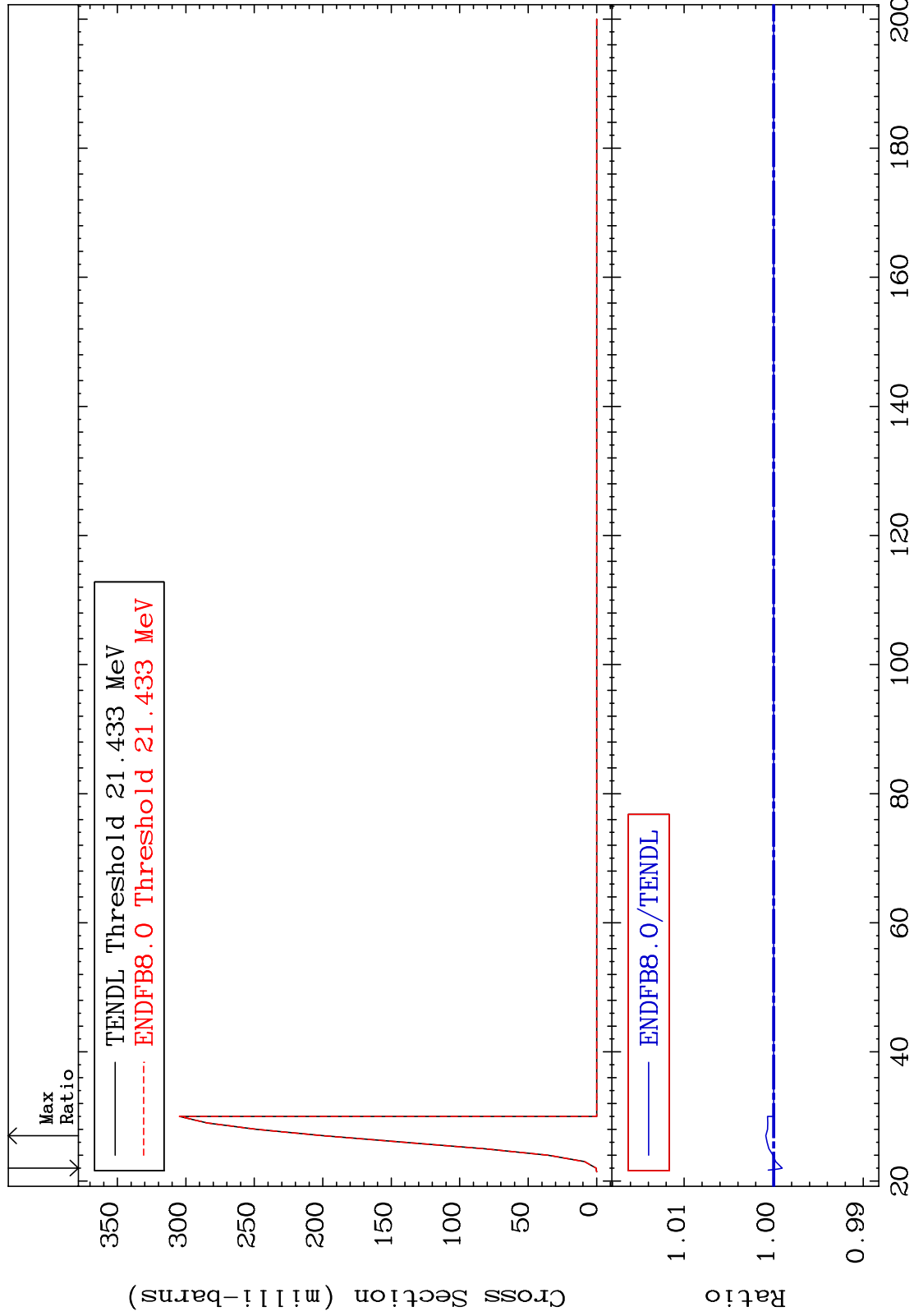


MAT 7849

(n,4n):78-Pt-195g

78-Pt-198

Radionuclide Production Cross Section -0.094 To 0.089 %



85

Incident Energy (MeV)

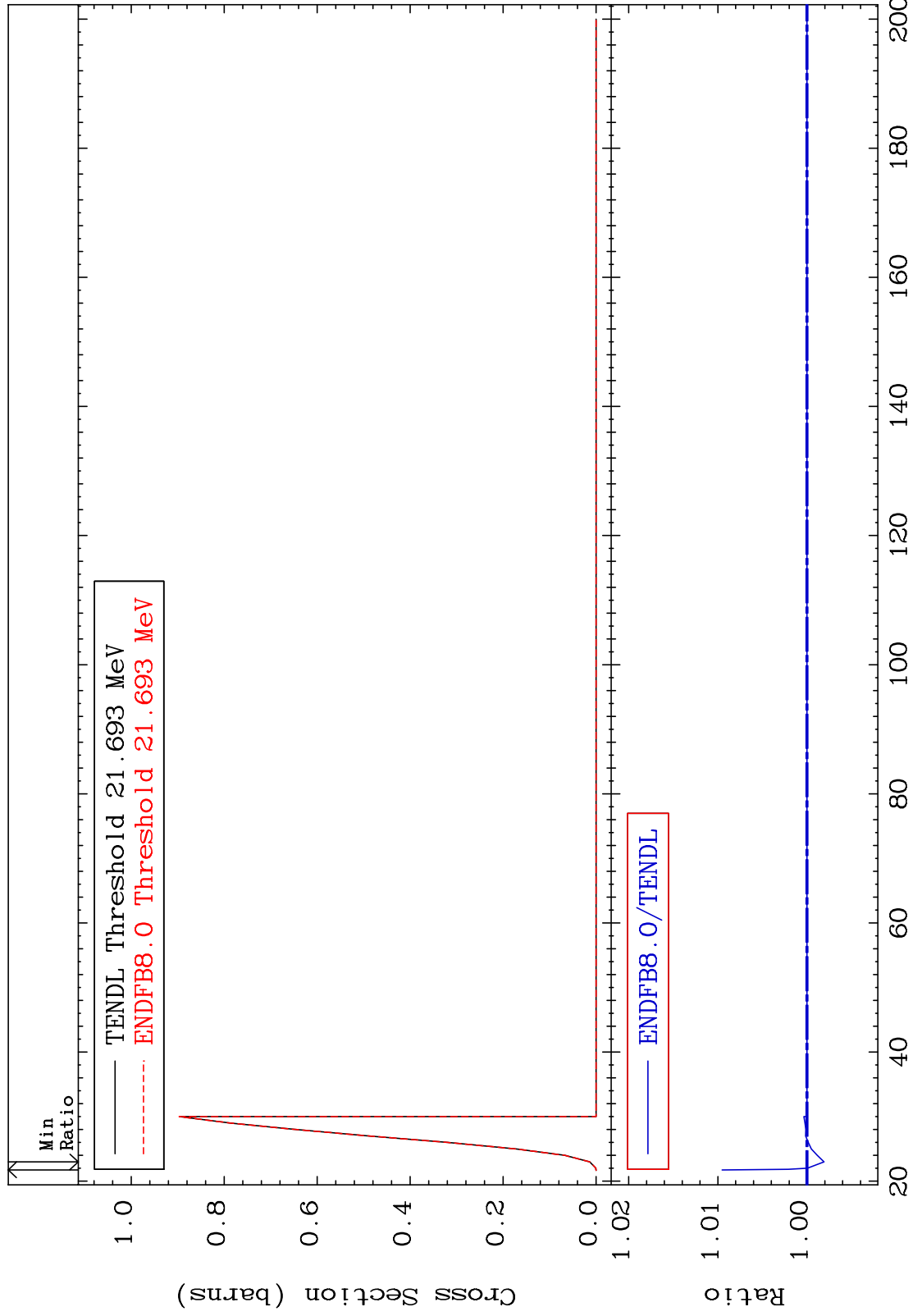
78-Pt-198

MAT 7849

(n,4n):78-Pt-195m7

78-Pt-198

Radionuclide Production Cross Section -0.192 To 0.952 %

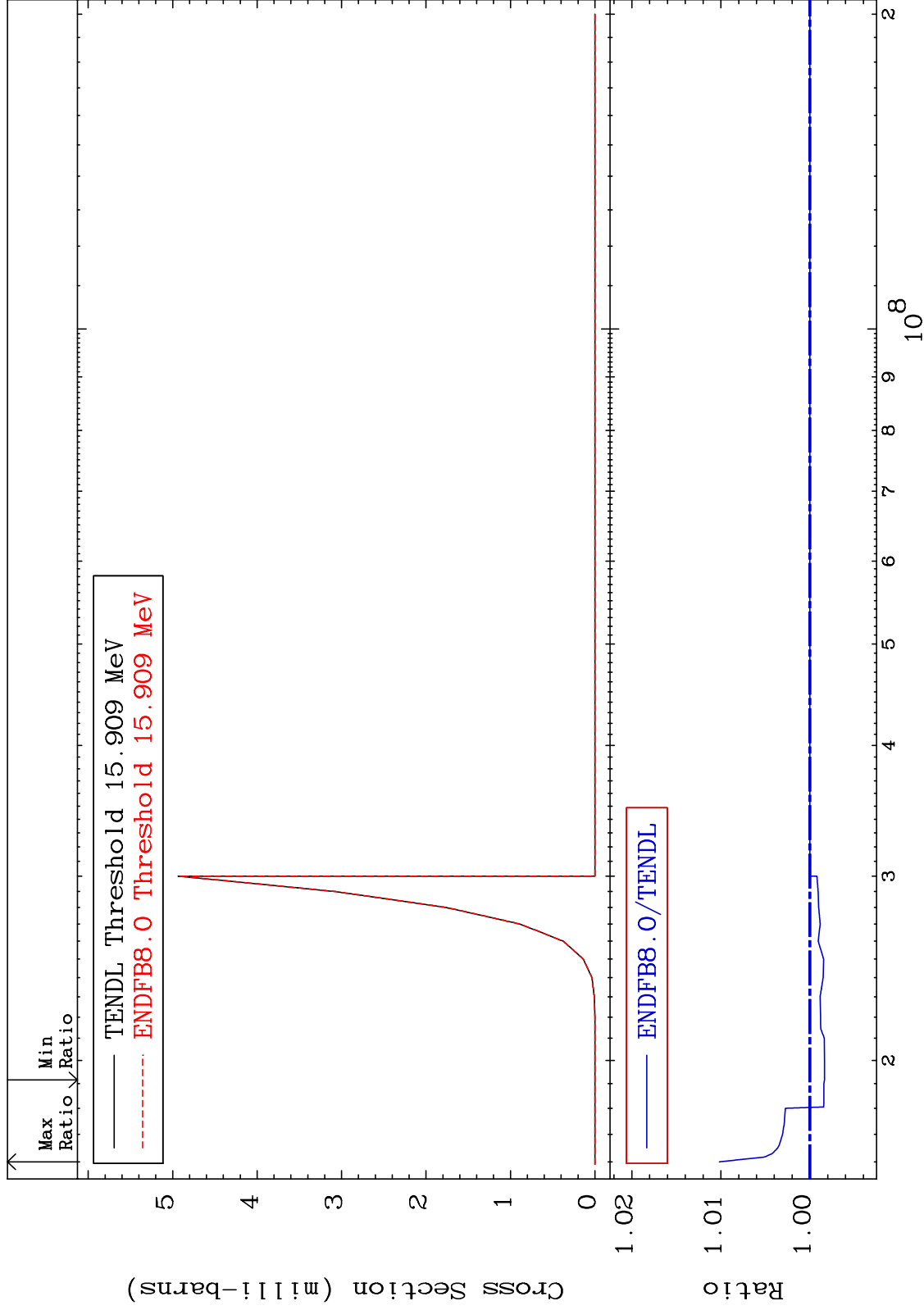


MAT 7849

(n,2n) p:77-Ir-196g

78-Pt-198

Radionuclide Production Cross Section -0.163 To 1.018 %



87

Incident Energy (eV)

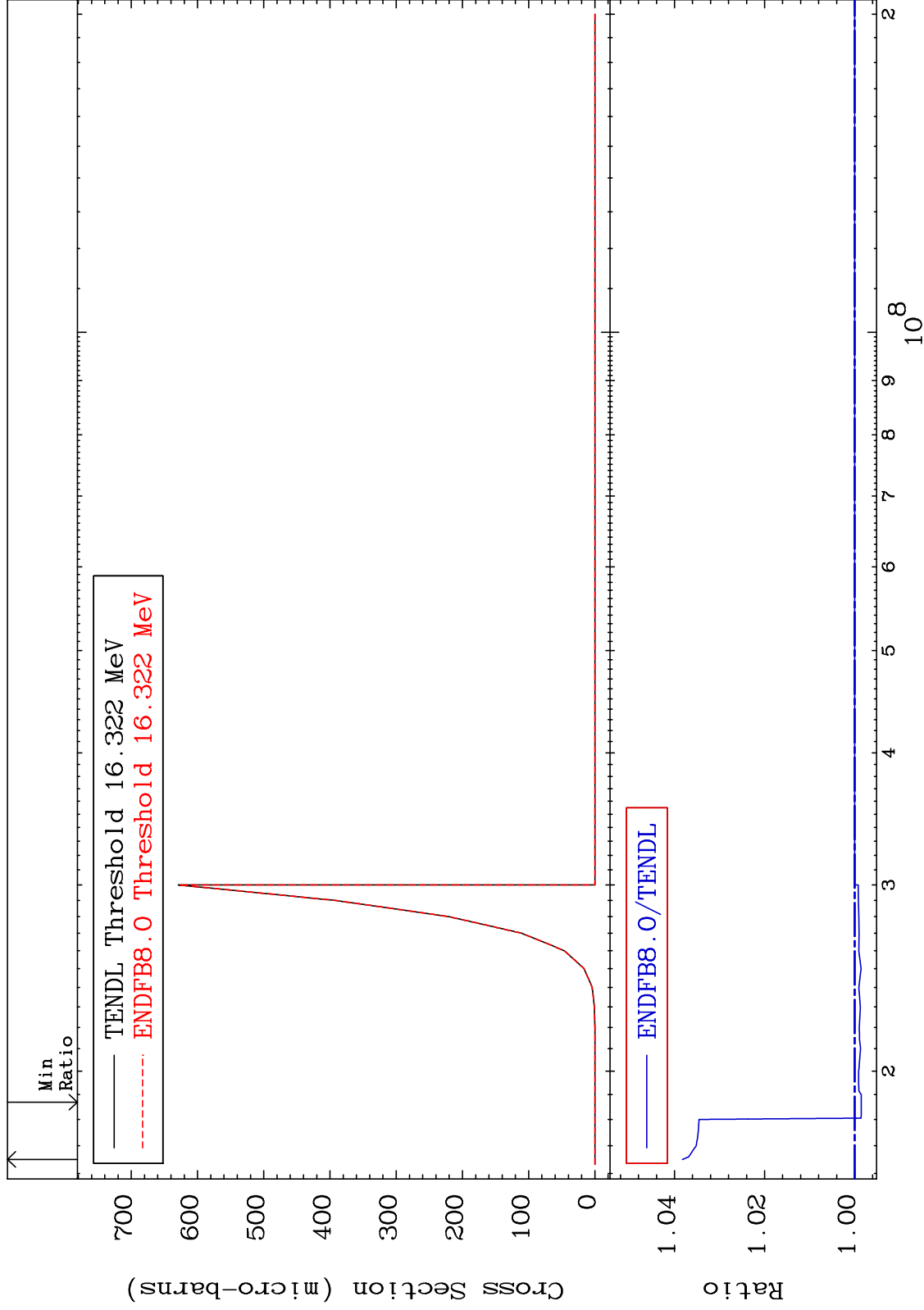
78-Pt-198

MAT 7849

(n,2n) p:77-Ir-196m4

78-Pt-198

Radionuclide Production Cross Section -0.147 To 3.824 %

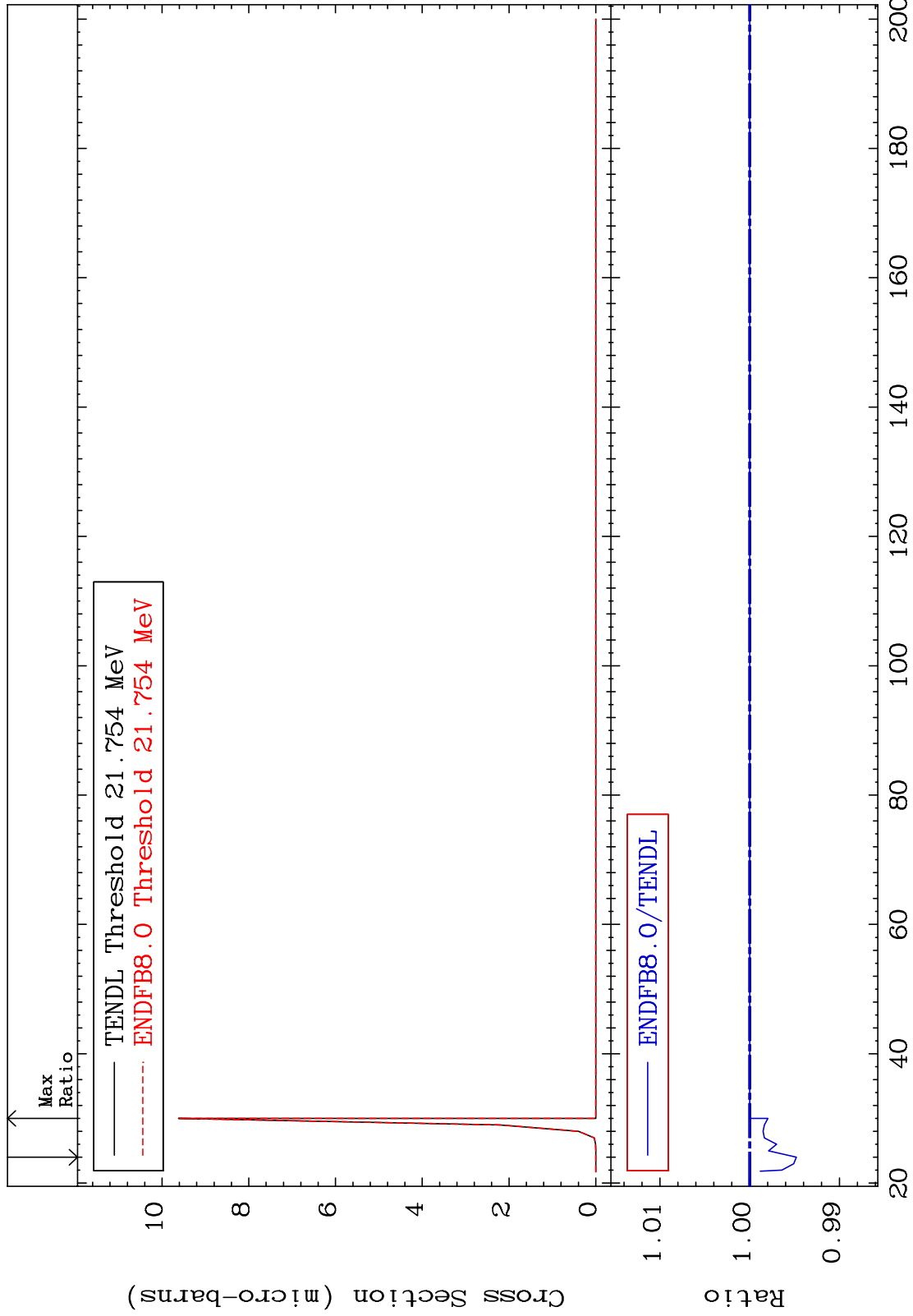


MAT 7849

(n,3n) p:77-Ir-195g

78-Pt-198

Radionuclide Production Cross Section -0.519 To 0.000 %

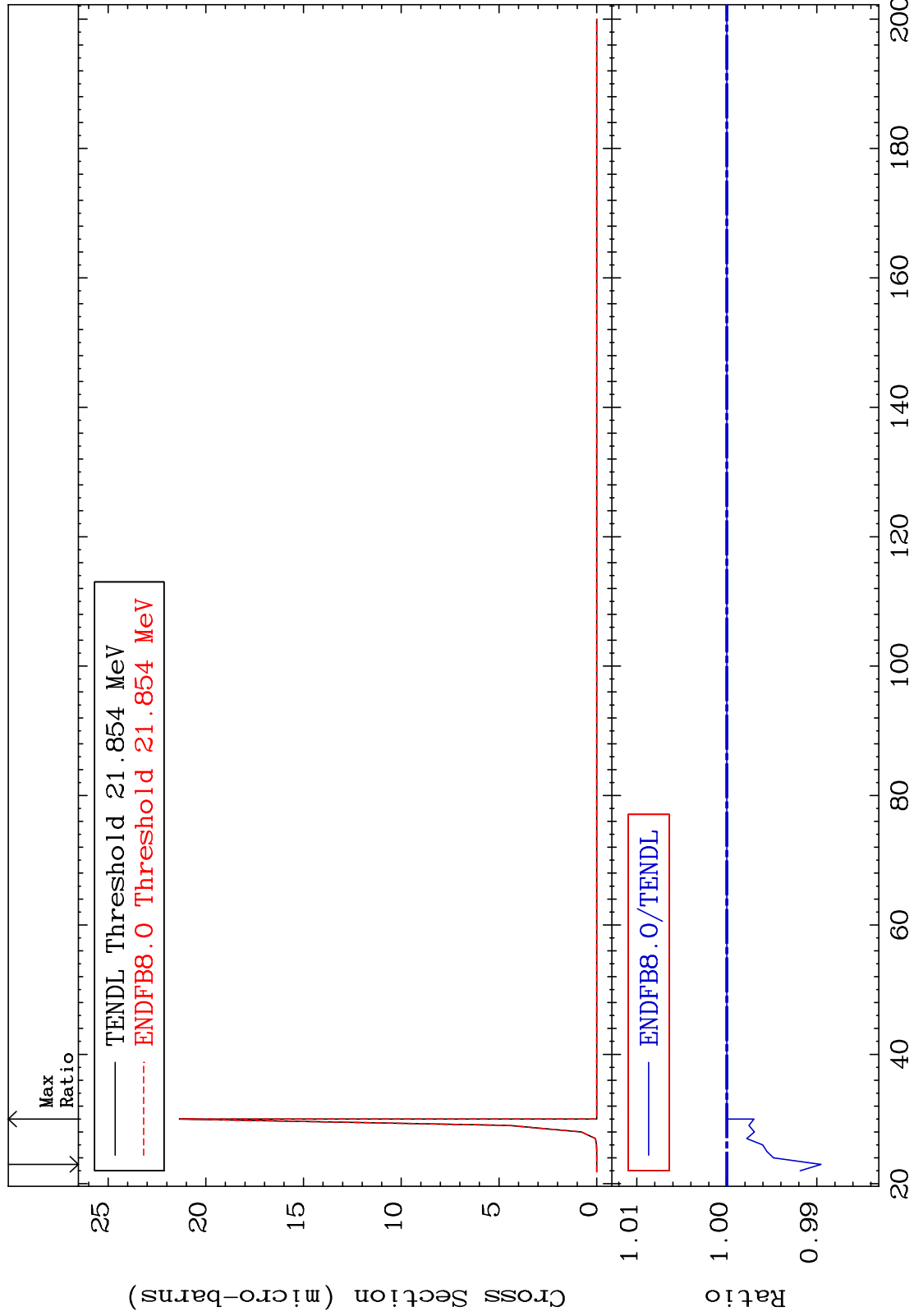


MAT 7849

(n,3n) p:77-Ir-195m2

78-Pt-198

Radionuclide Production Cross Section -1.046 To 0.000 %

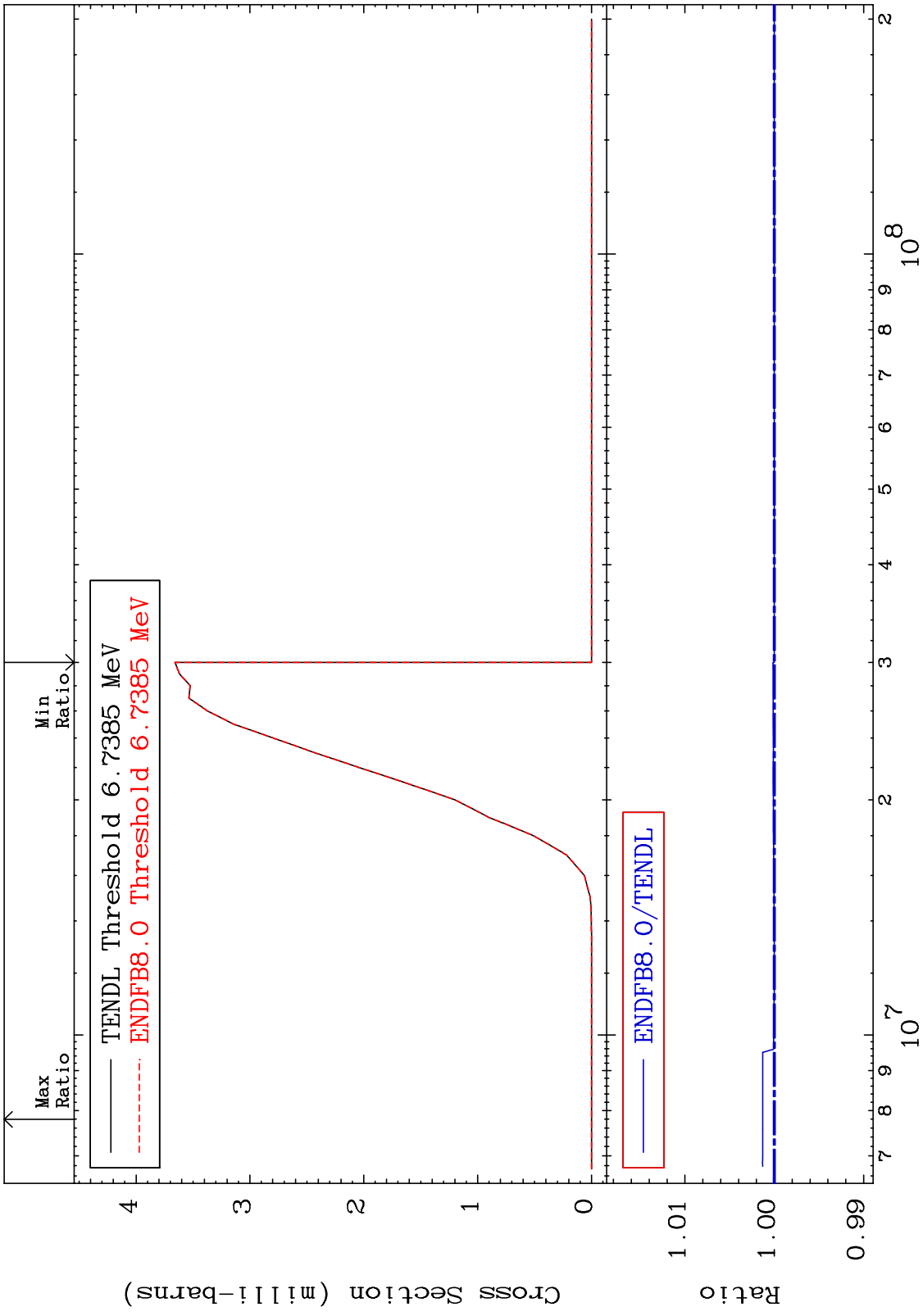


90

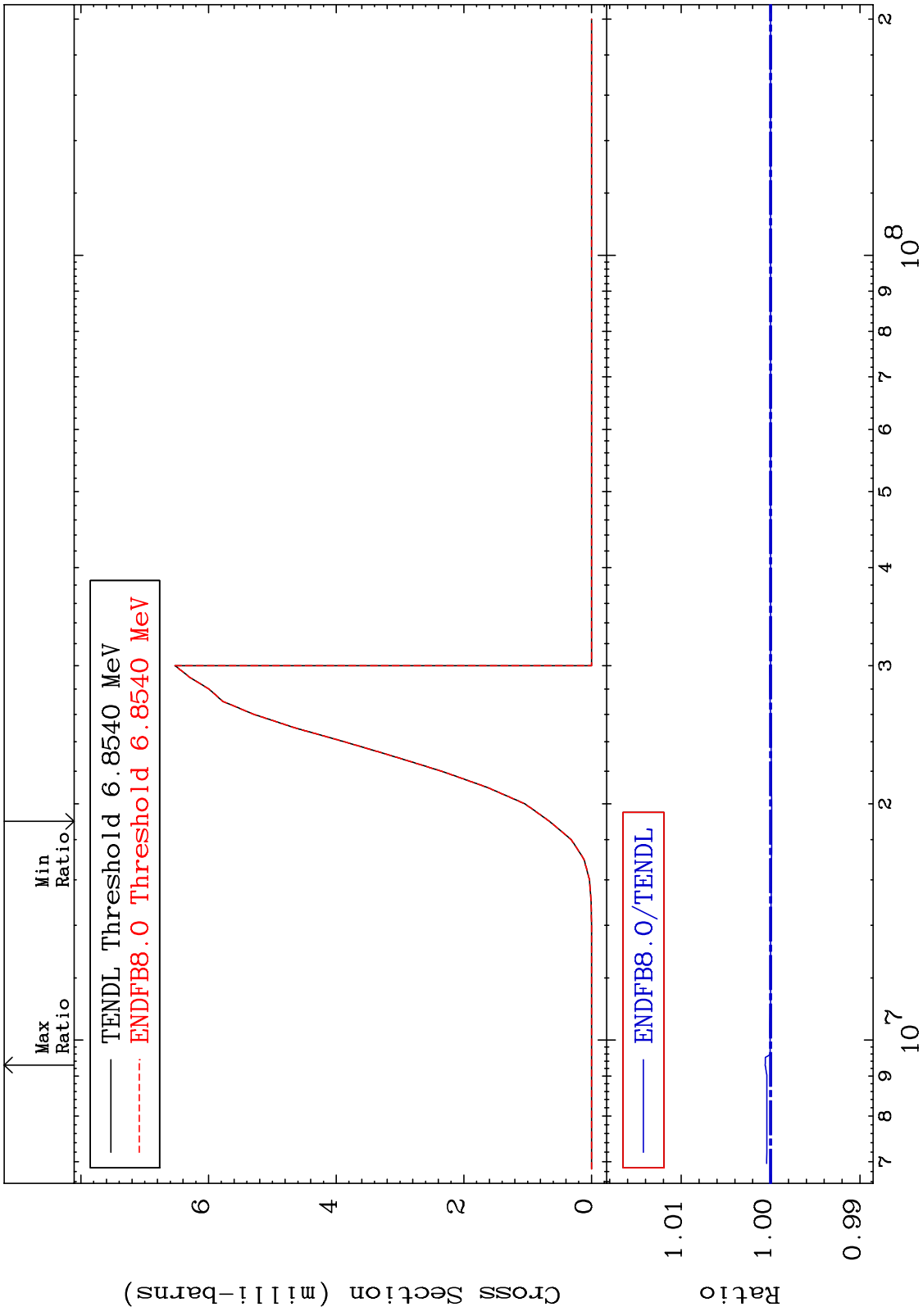
Incident Energy (MeV)

78-Pt-198

MAT 7849 (n,d):77-Ir-197g 78-Pt-198
 Radionuclide Production Cross Section 0.000 To 0.131 %

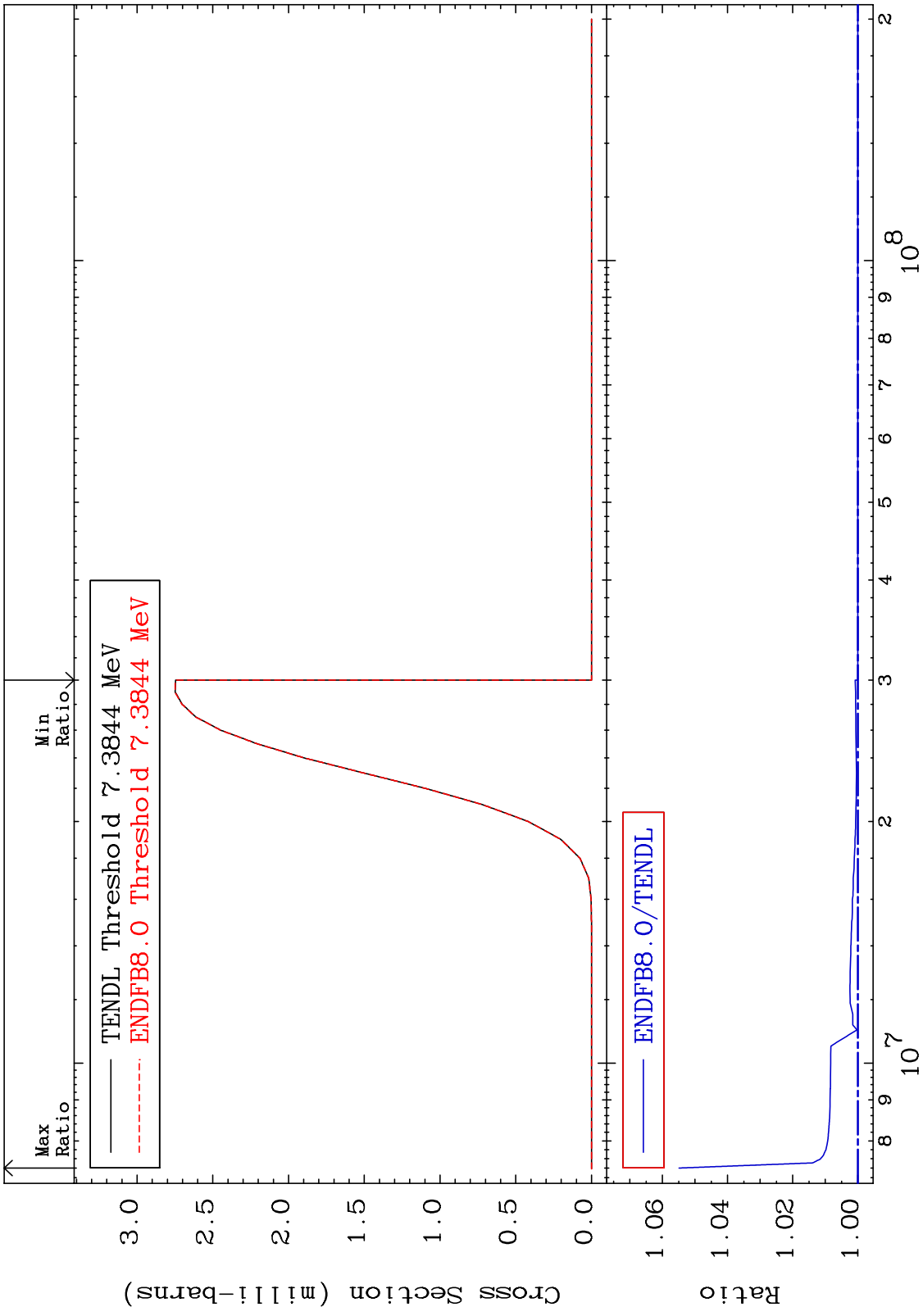


MAT 7849 (n,d):77-Ir-197m2 78-Pt-198
 Radionuclide Production Cross Section -0.012 To 0.060 %



92 Incident Energy (eV) 78-Pt-198

MAT 7849 (n,t):77-Ir-196g 78-Pt-198
 Radionuclide Production Cross Section 0.000 To 5.489 %



MAT 7849 (n, t) : 77-Ir-196m4 78-Pt-198
 Radionuclide Production Cross Section 0.000 To 20.96 %

