

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

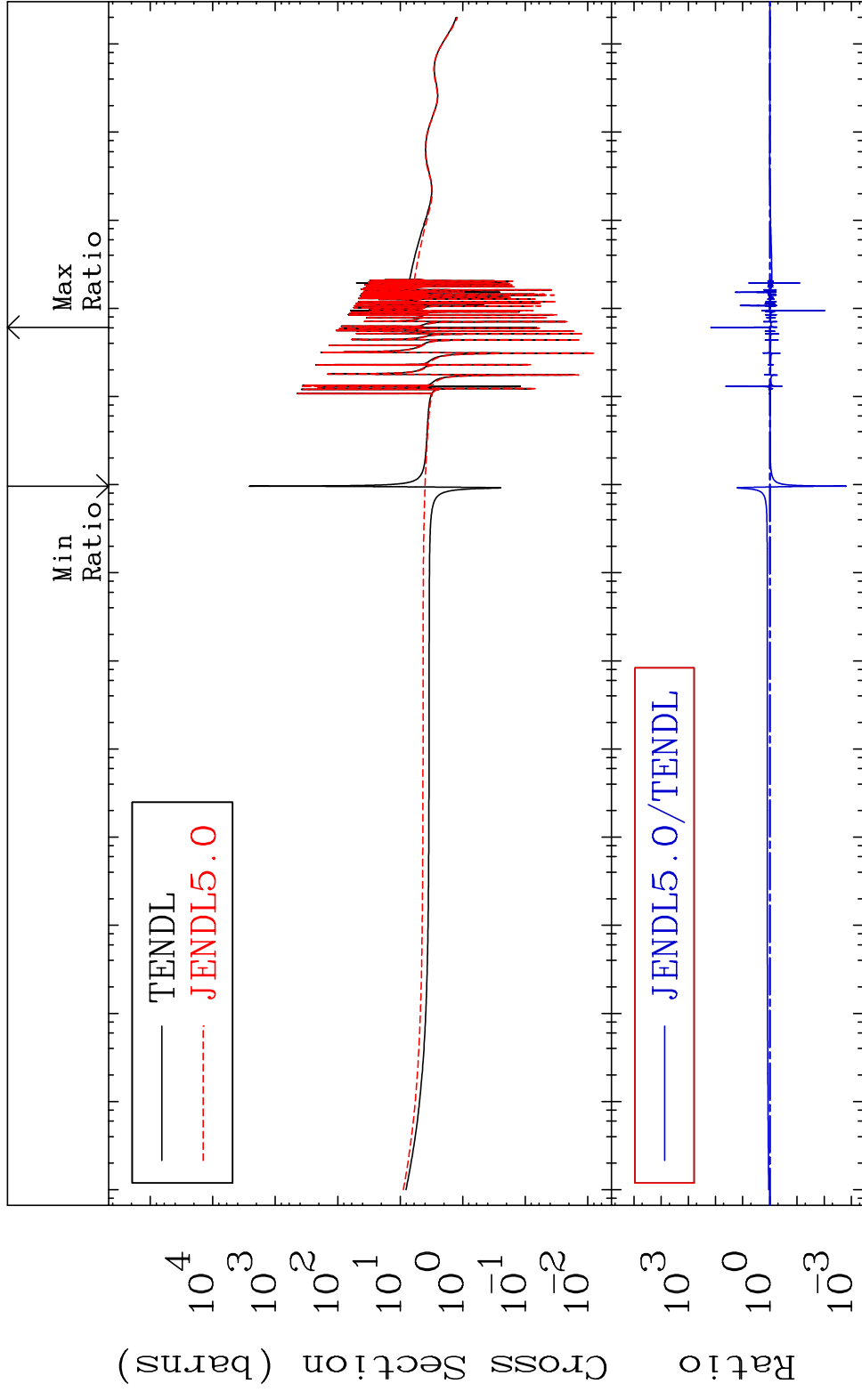
Tele: 925-443-1911

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

Press Mouse Button to Start

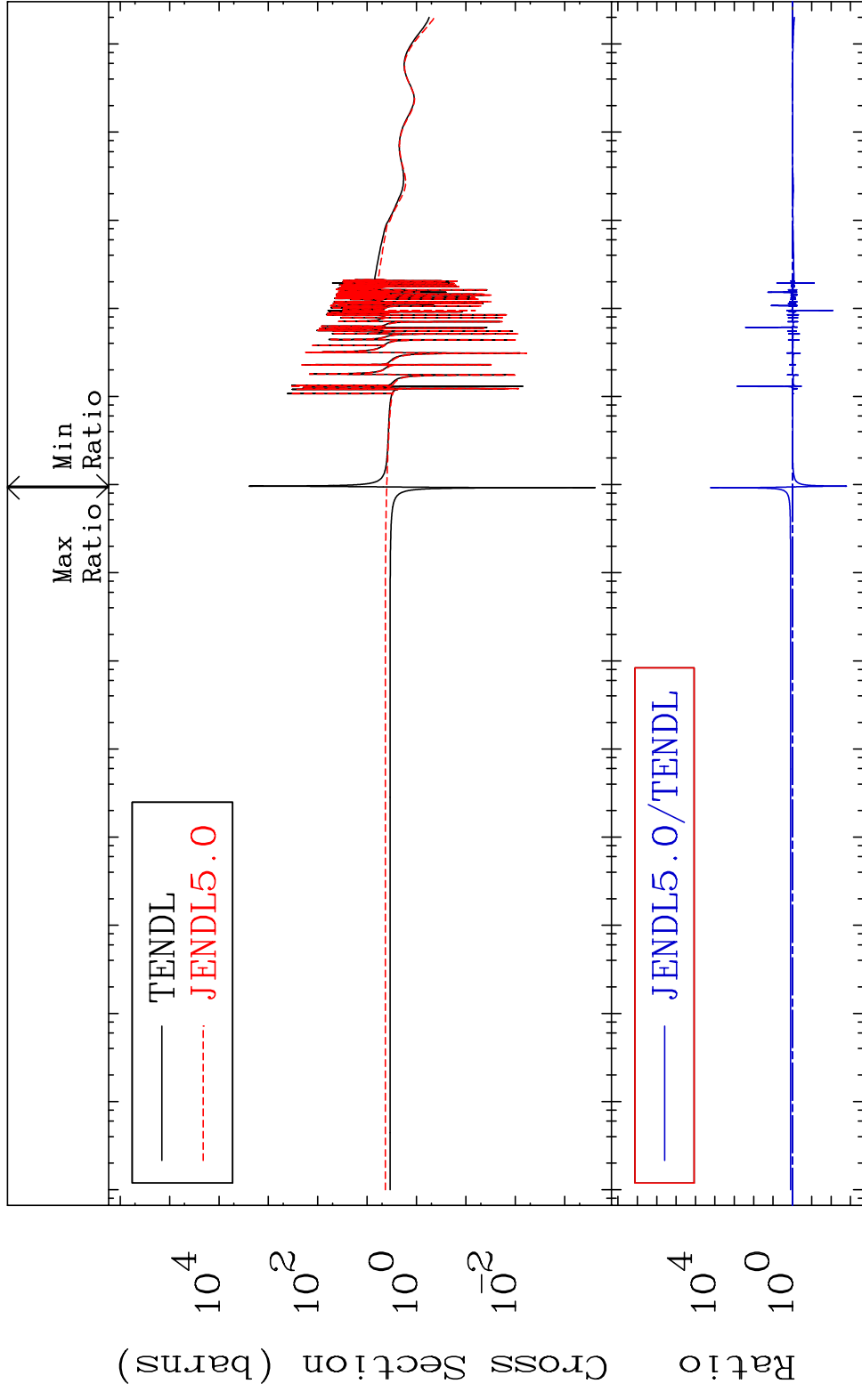
MAT 3043

Total Cross Section -99.85 To 9999. %  
30-Zn-70

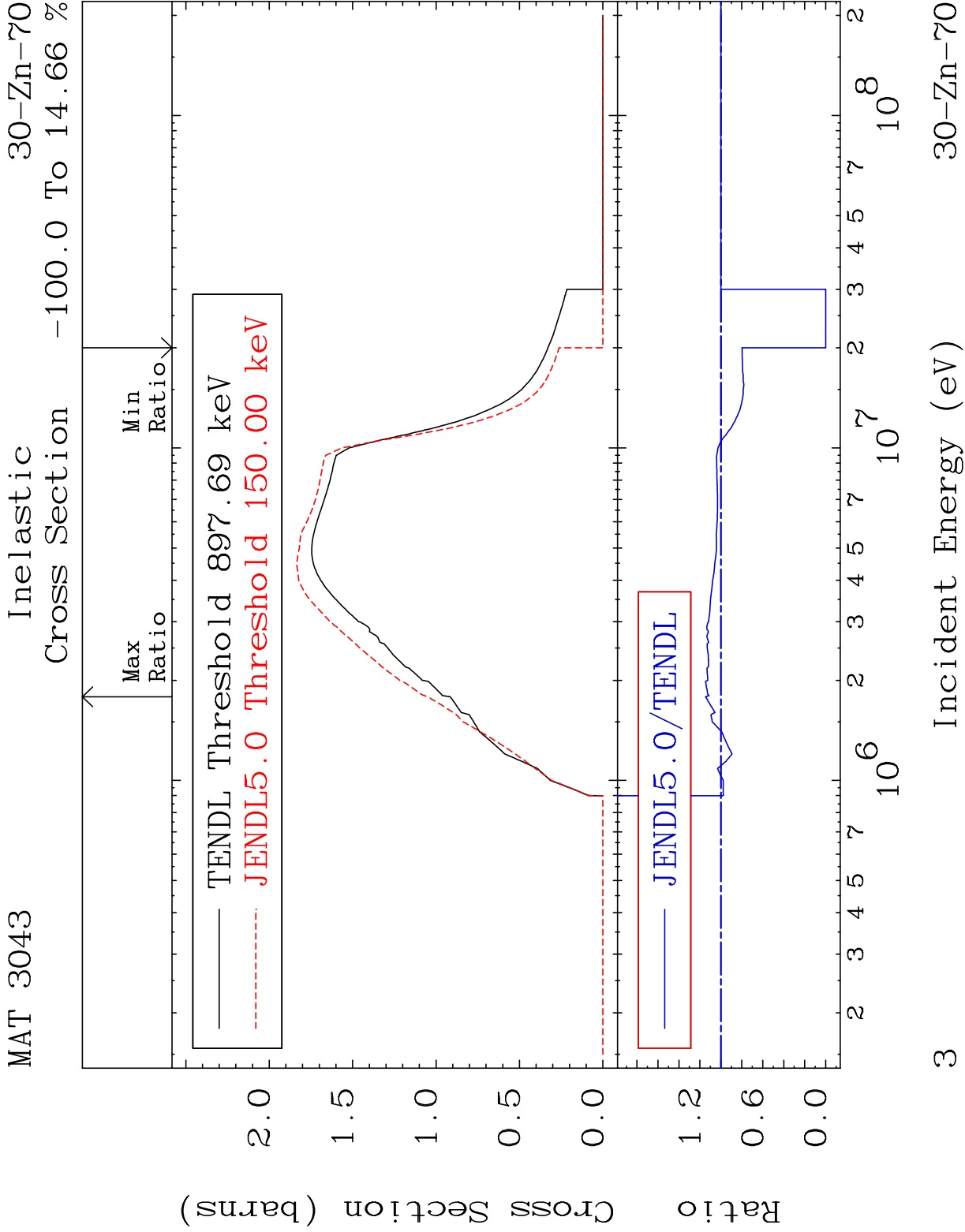


1 Incident Energy (eV) 30-Zn-70

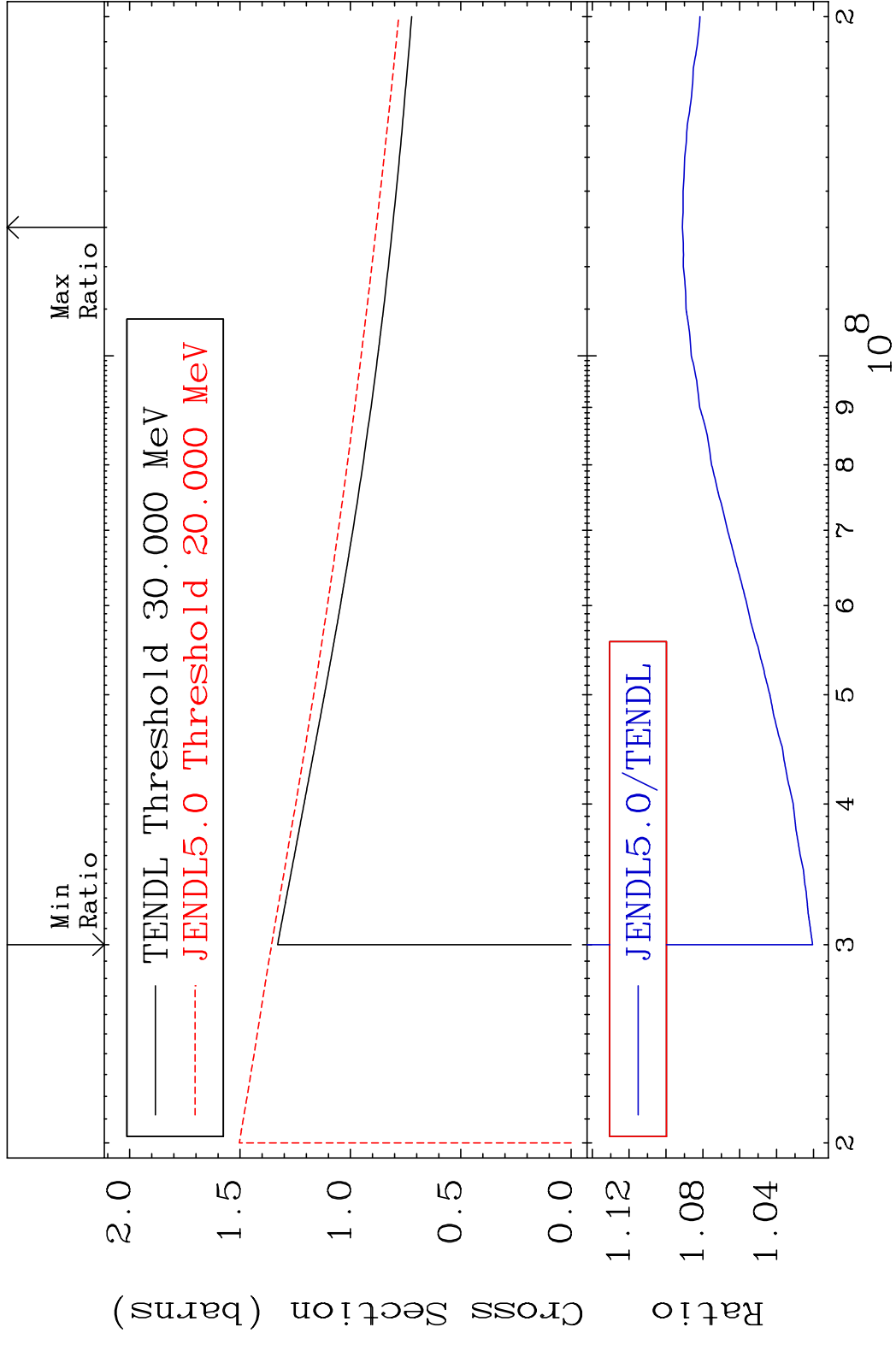
MAT 3043                      Elastic                      30-Zn-70  
Cross Section                      -99.84 To 9999. %



2                      Incident Energy (eV)                      30-Zn-70

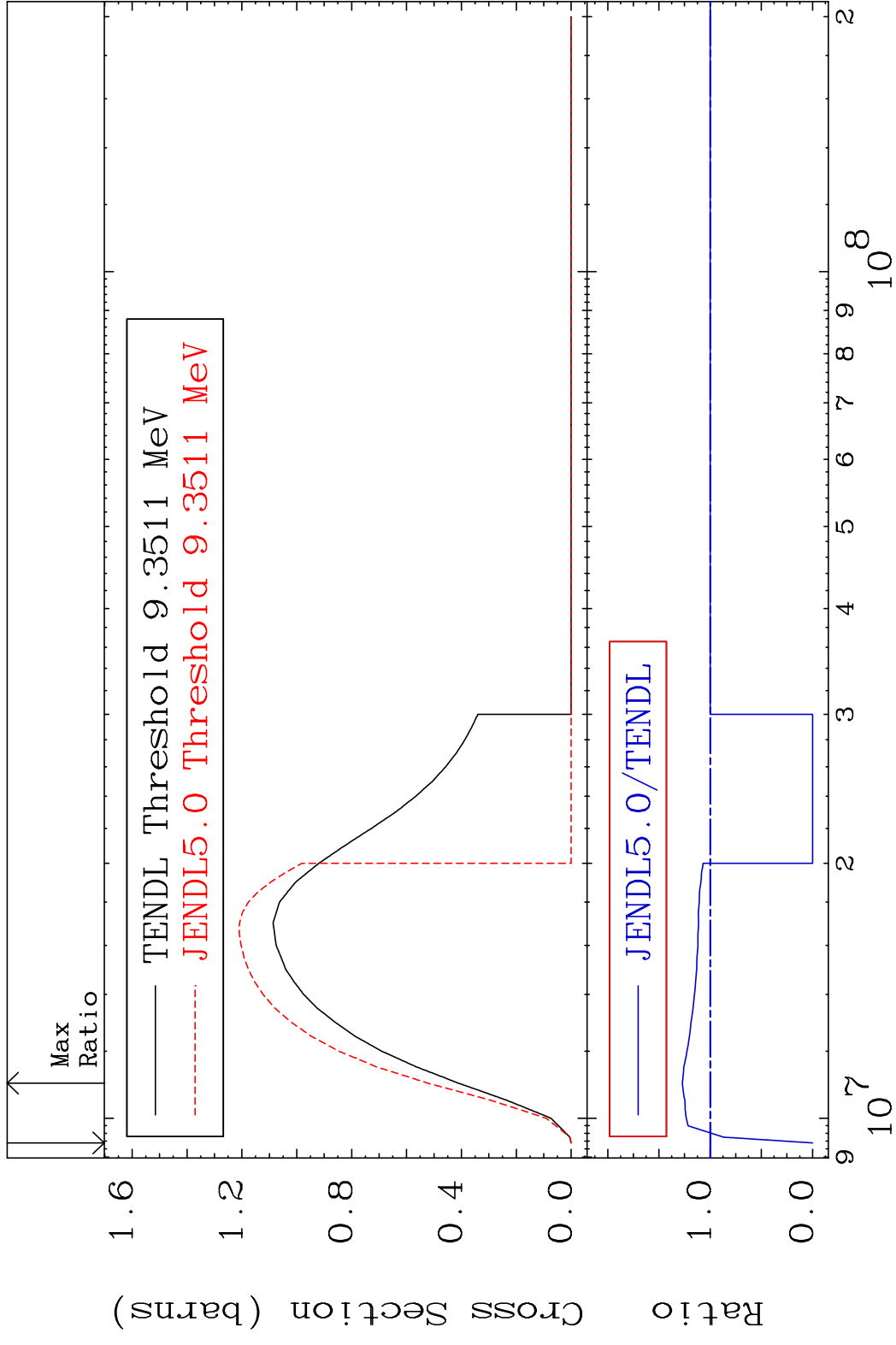


MAT 3043 (n, remainder) 30-Zn-70  
 Cross Section 2.047 To 9.112 %



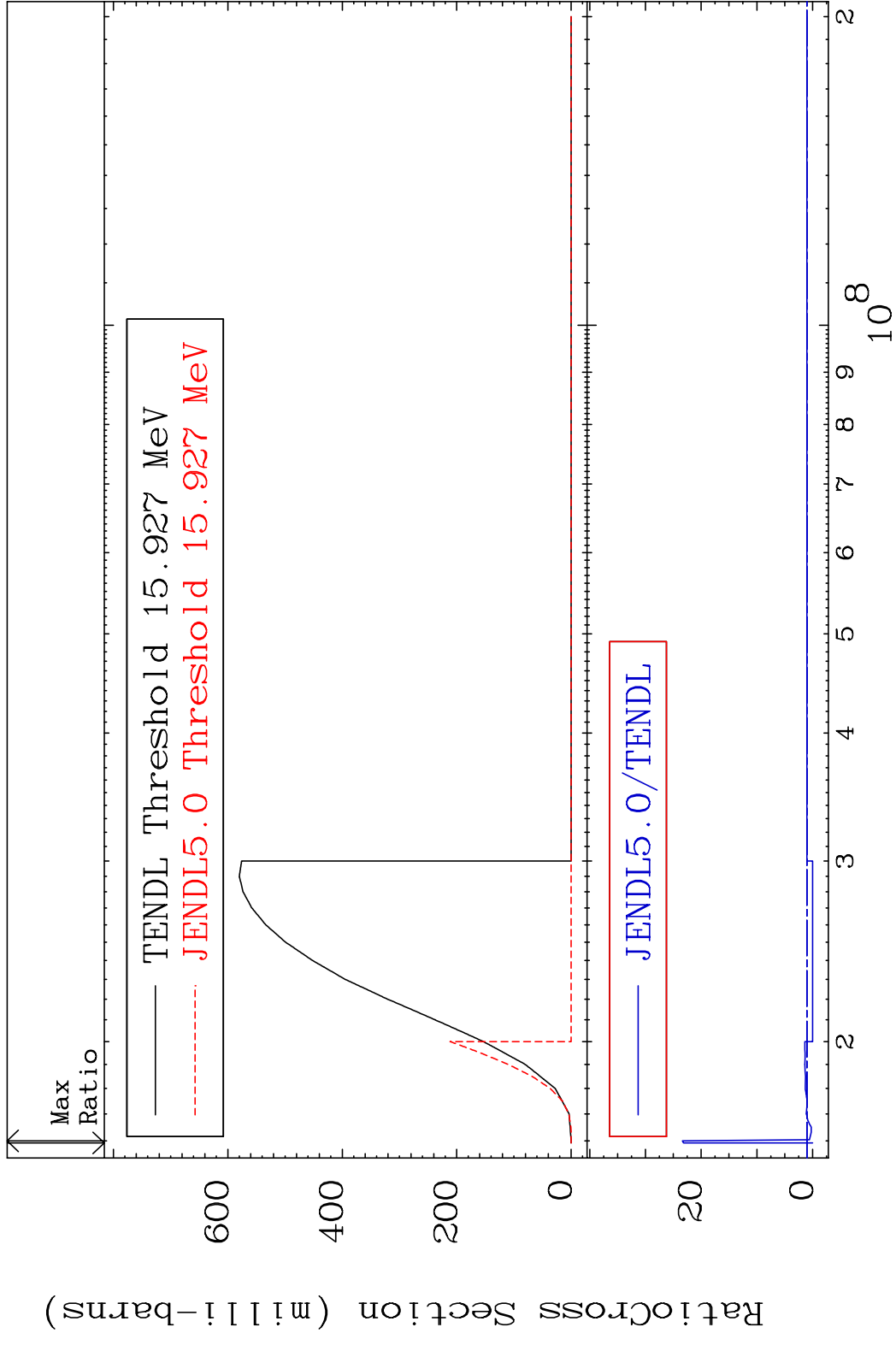
4 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,2n) 30-Zn-70  
 Cross Section -100.0 To 27.12 %



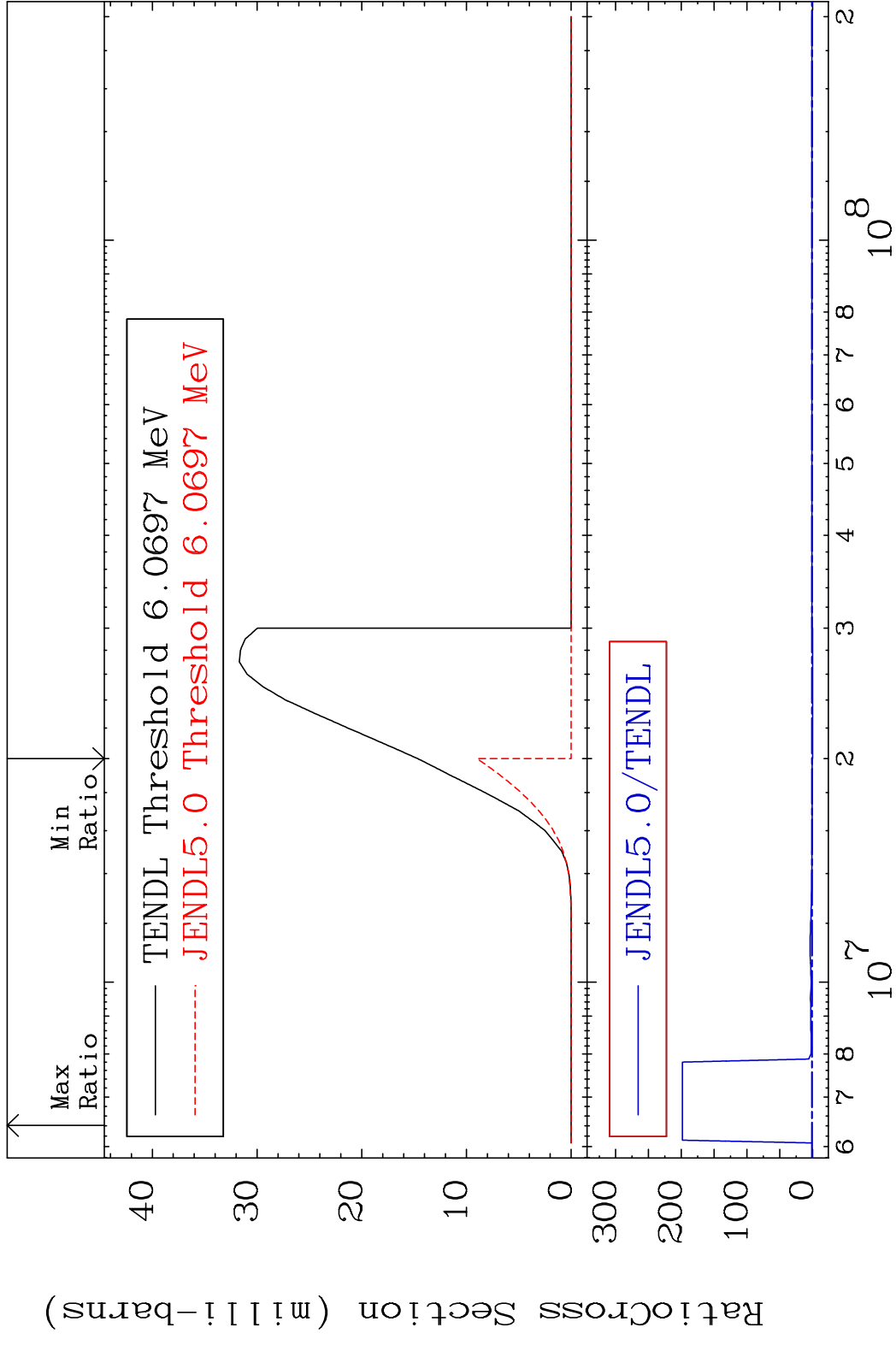
5 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,3n) 30-Zn-70  
 Cross Section -100.0 To 2237. %



6 30-Zn-70

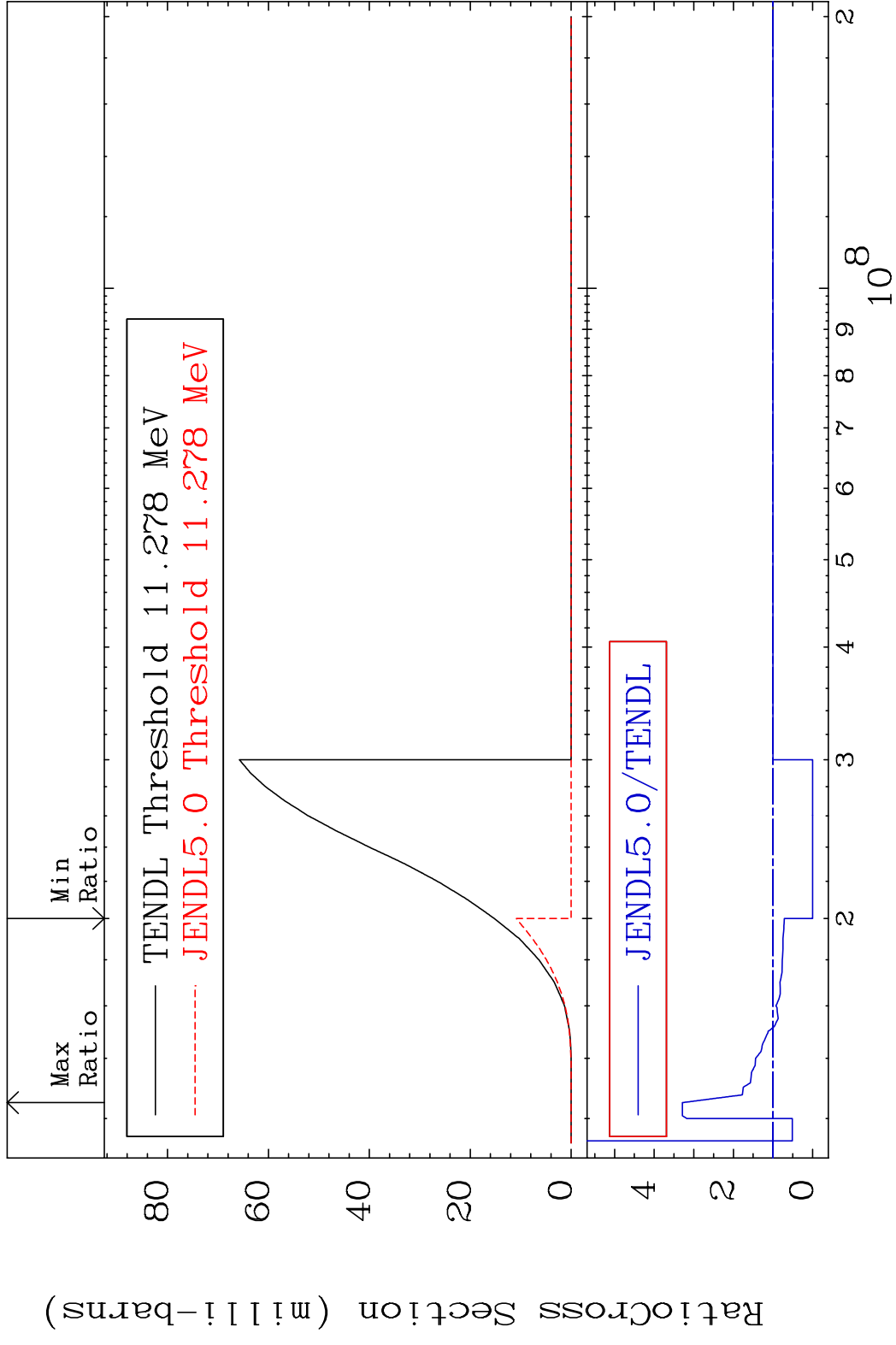
MAT 3043 (n, n')  $\alpha$  30-Zn-70  
 Cross Section -100.0 To 9999. %



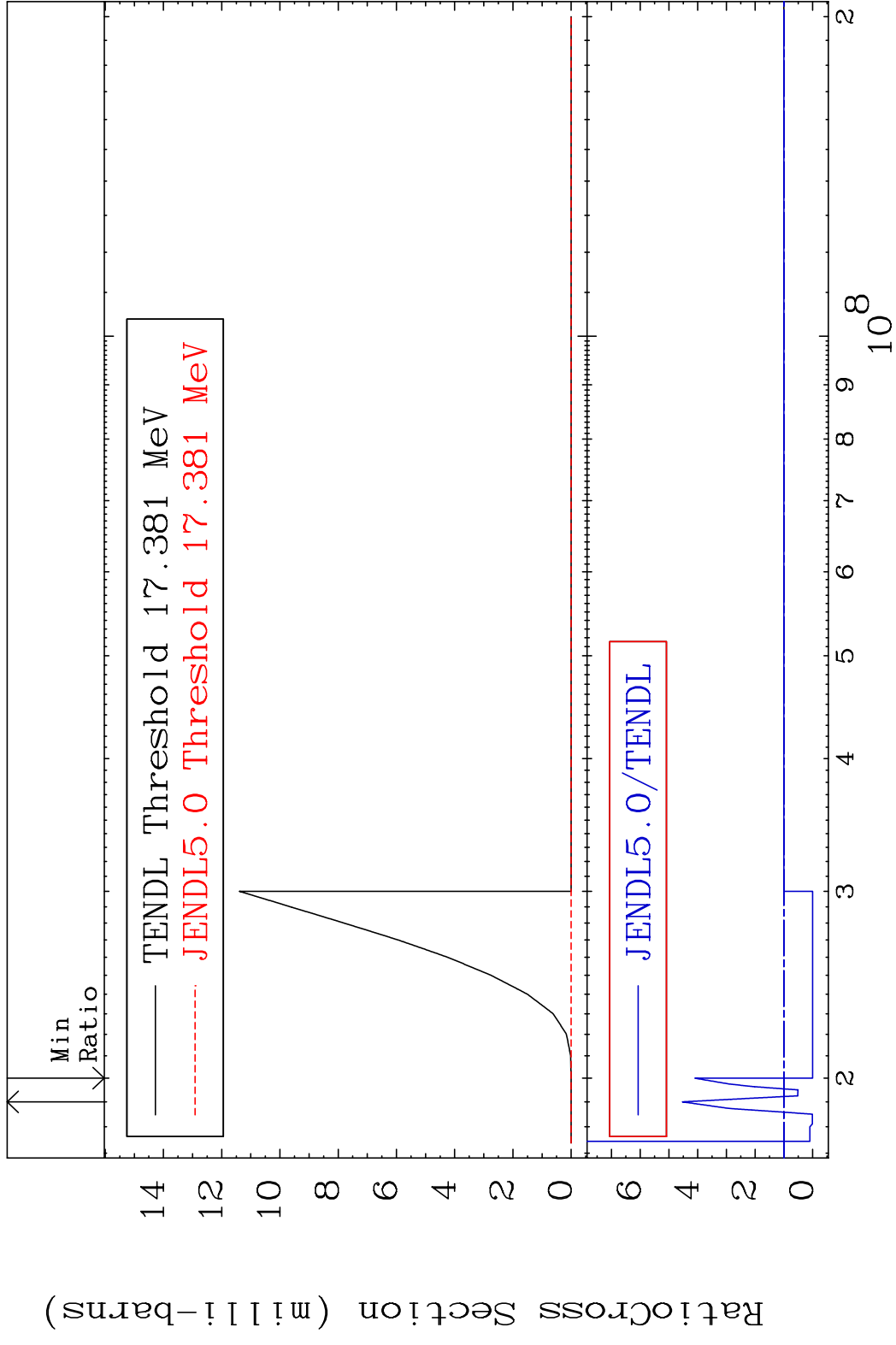
7 Incident Energy (eV) 30-Zn-70



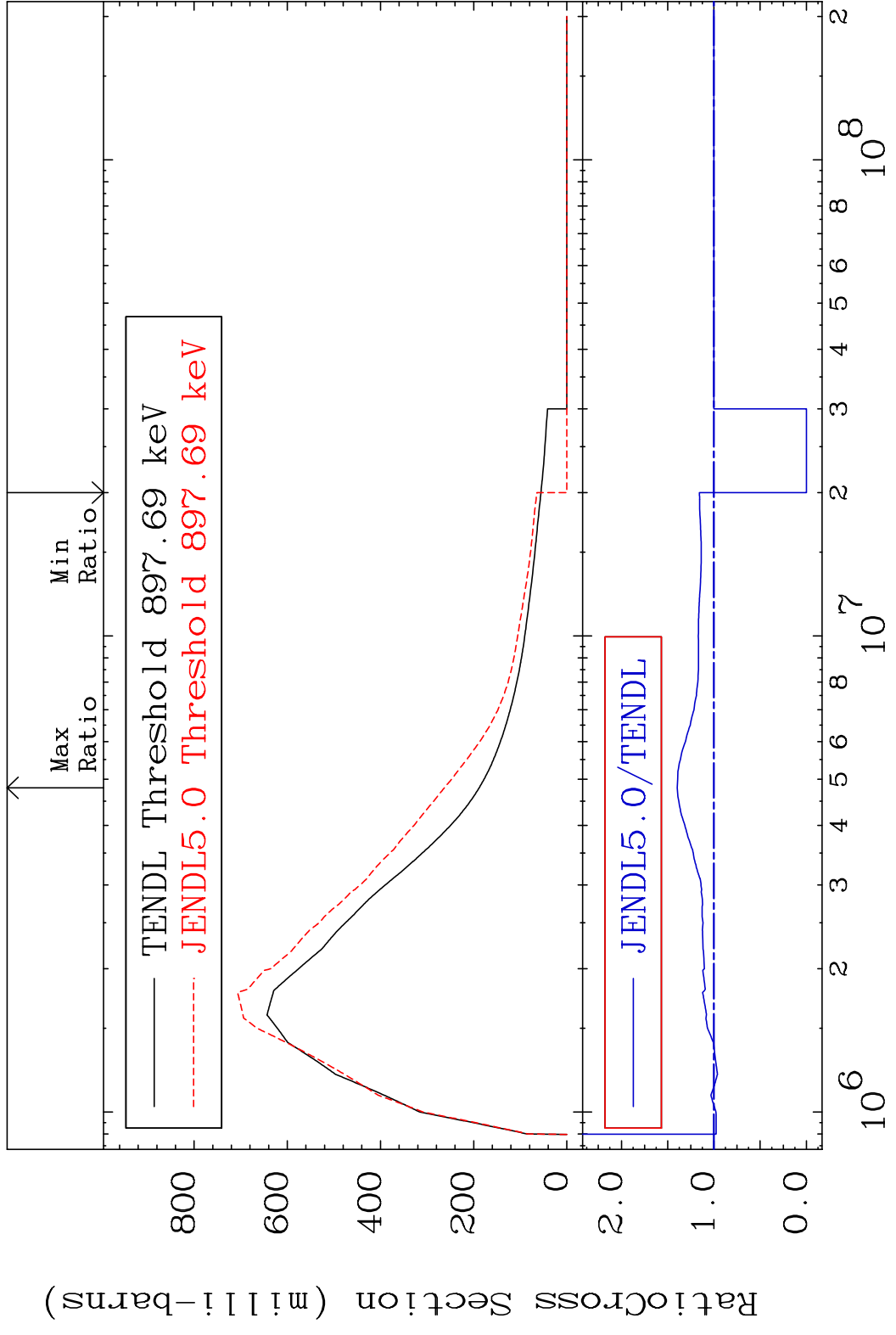
MAT 3043 (n, n') p 30-Zn-70  
 Cross Section -100.0 To 228.8 %



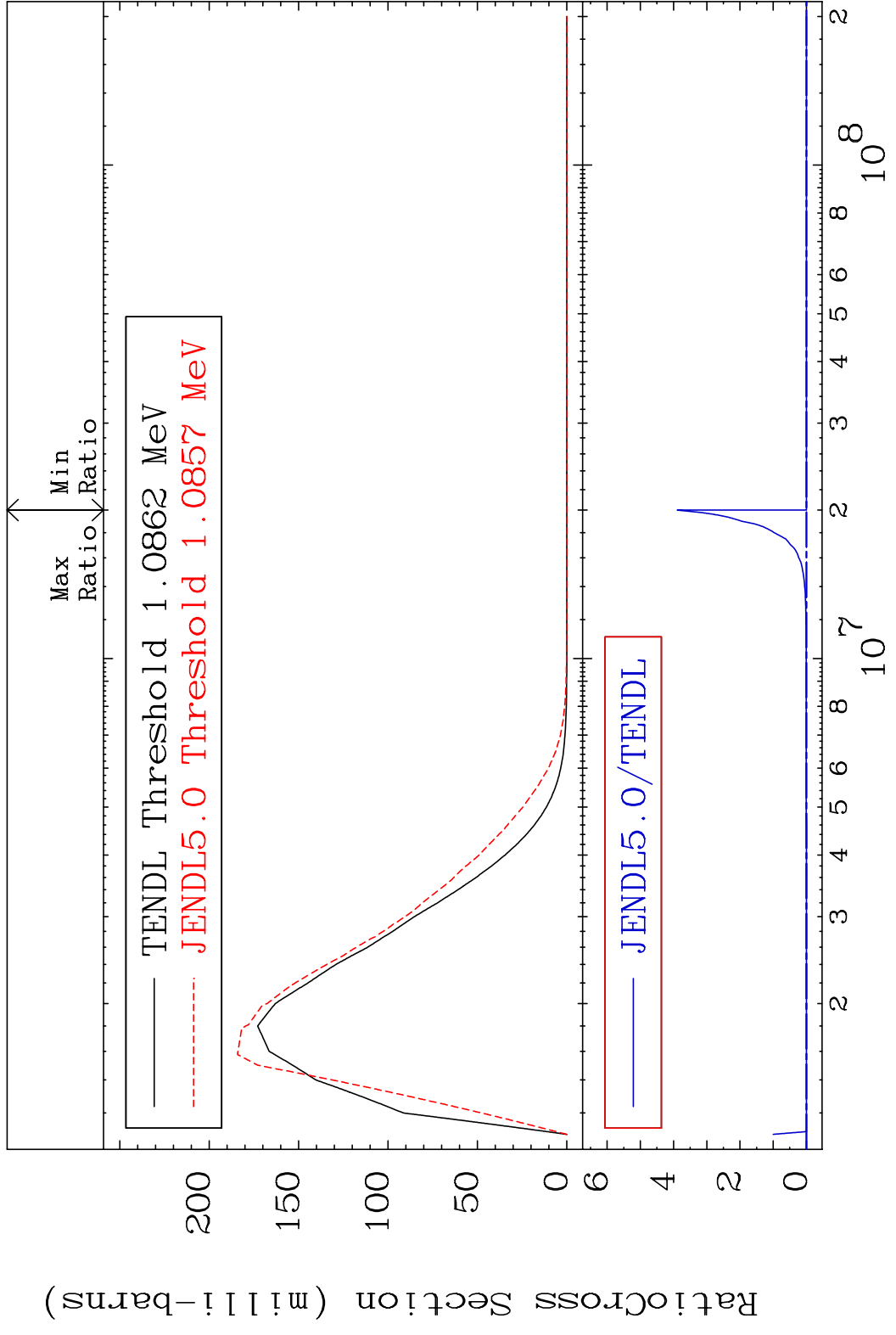
MAT 3043 (n, n') d 30-Zn-70  
 Cross Section -100.0 To 353.1 %



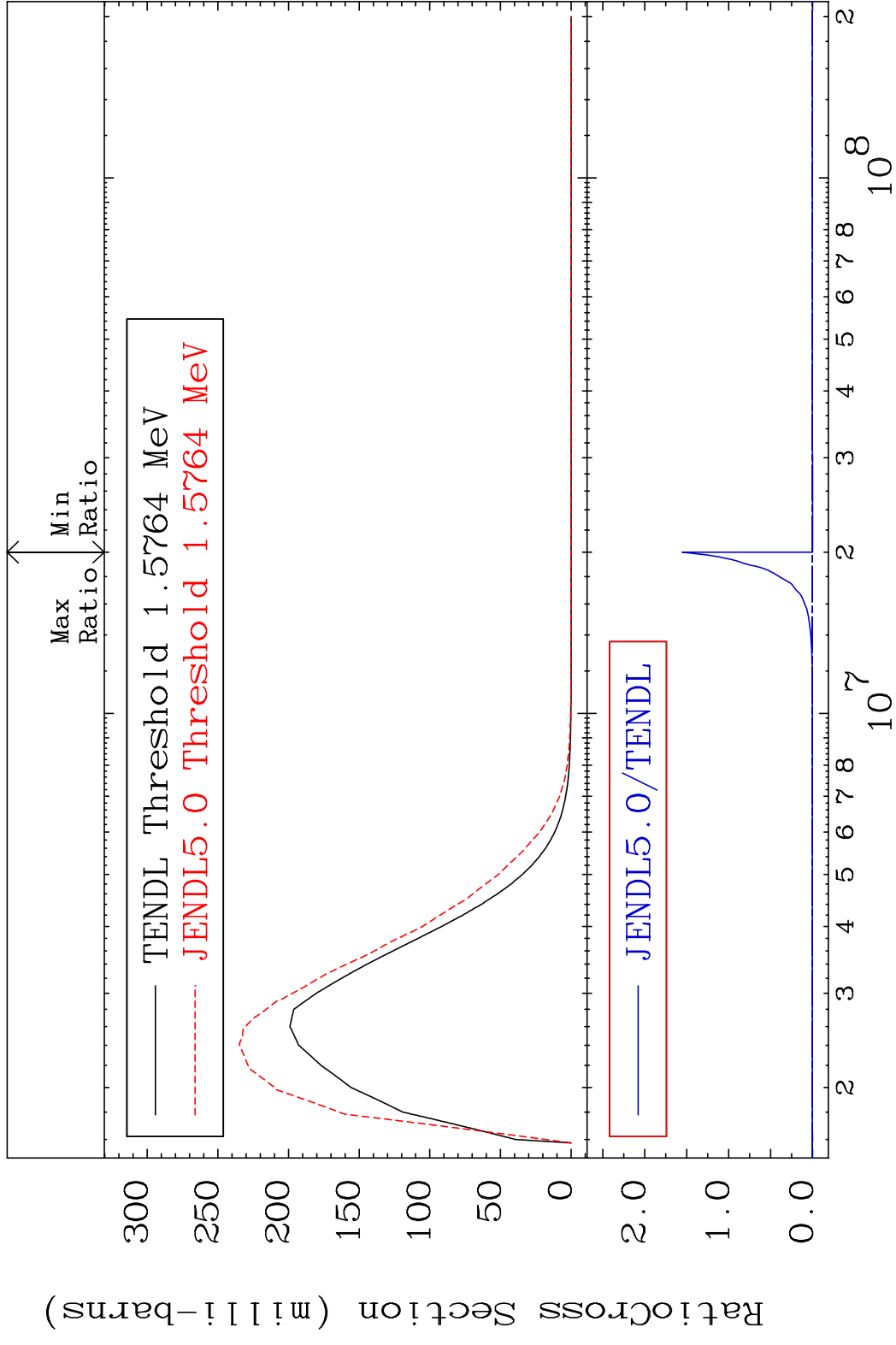
MAT 3043 MT= 51 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 39.72 %



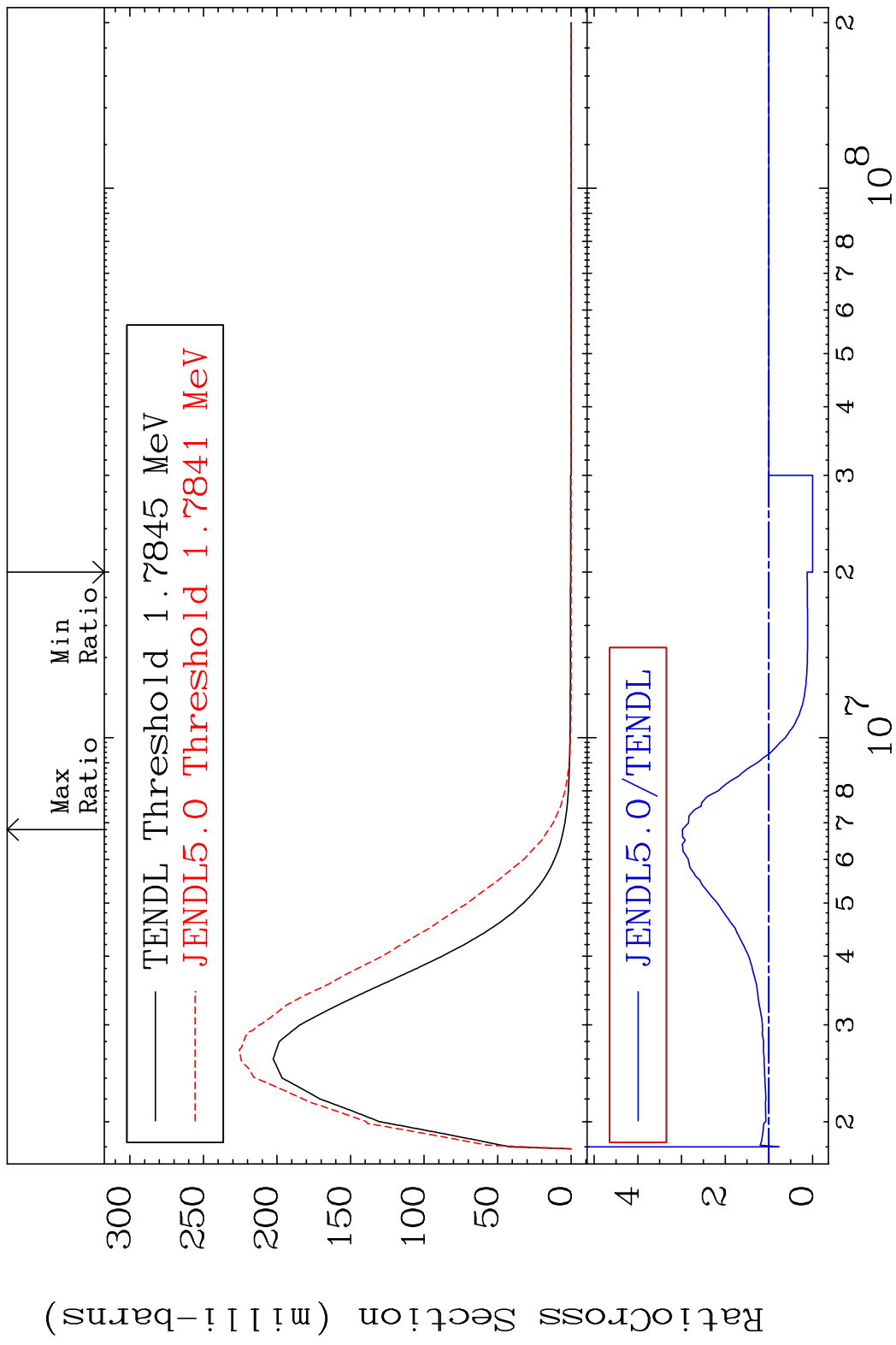
MAT 3043 MT= 52 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 9999. %



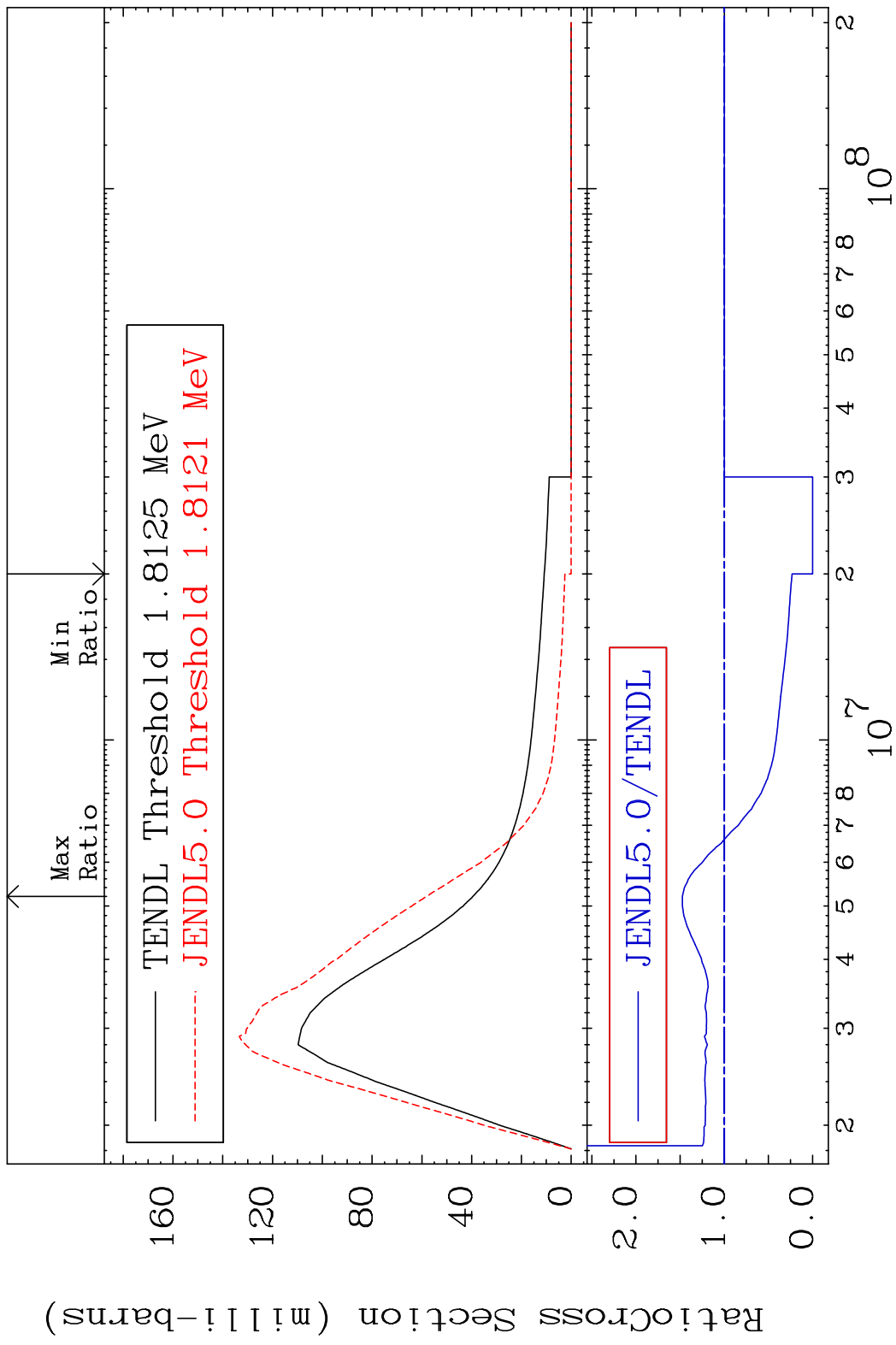
MAT 3043 MT= 53 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 9999. %



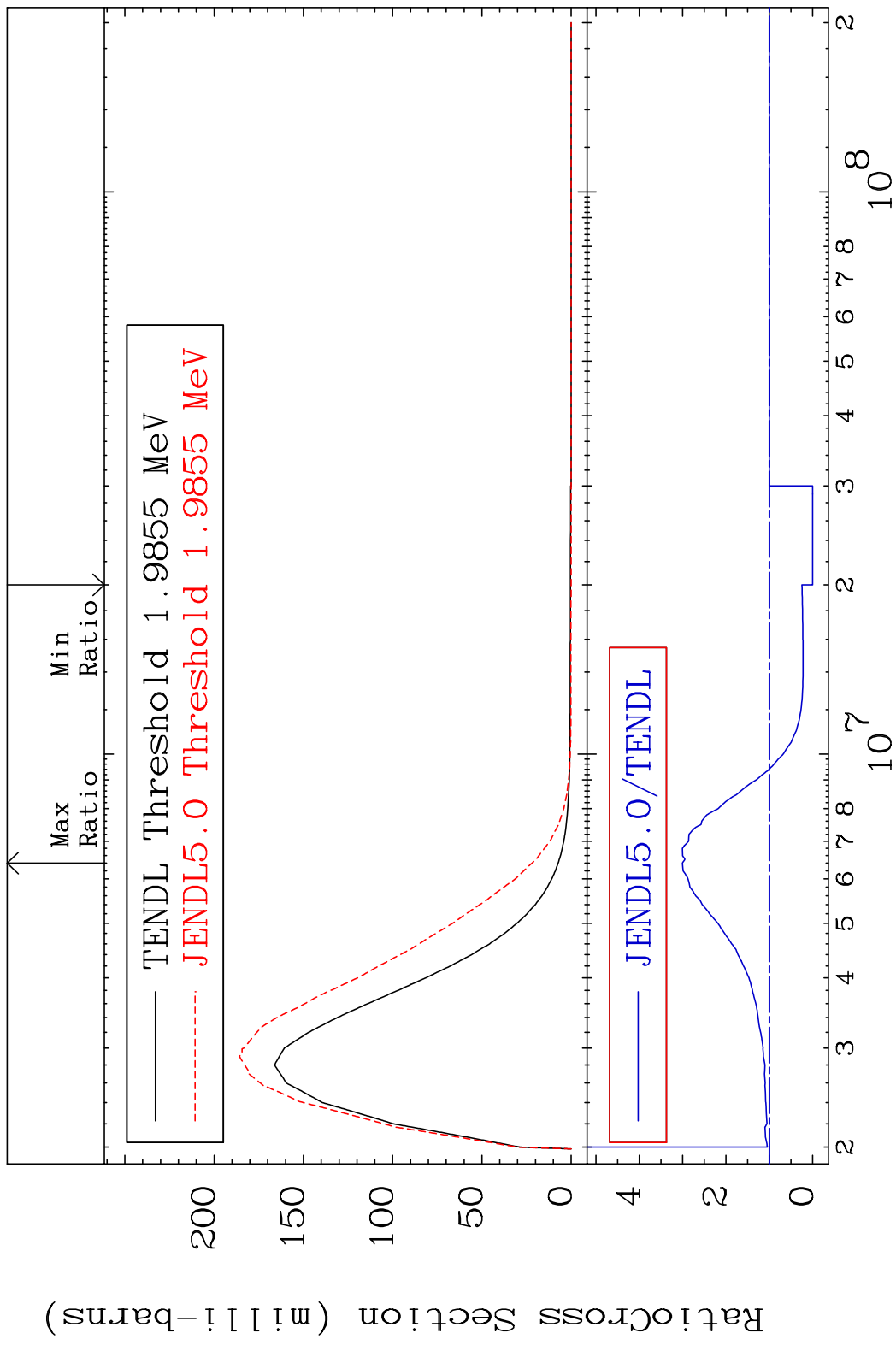
MAT 3043 MT= 54 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 198.1 %



MAT 3043 MT= 55 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 47.47 %



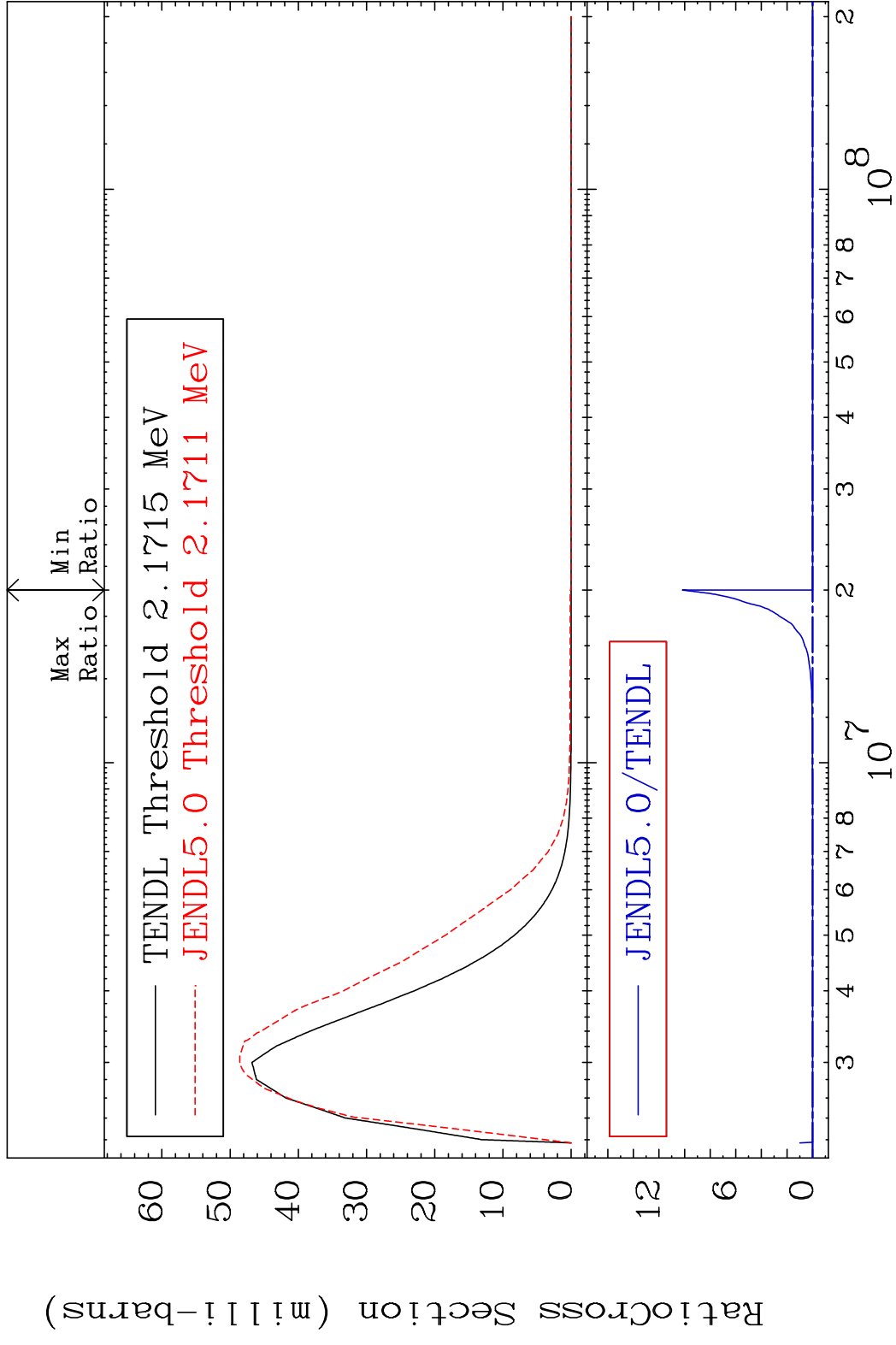
MAT 3043 MT= 56 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 200.6 %



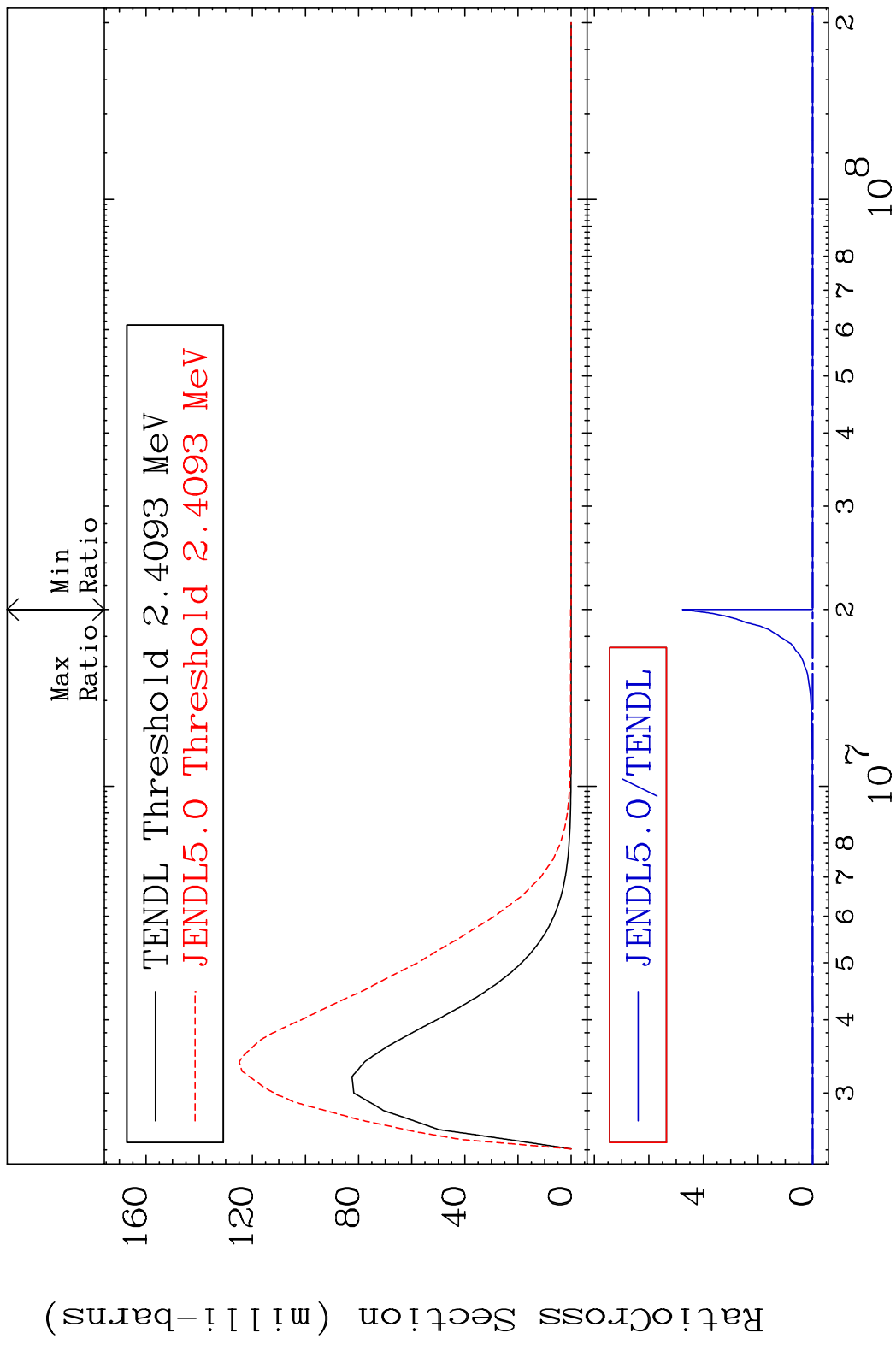
15 15 Incident Energy (eV) 30-Zn-70



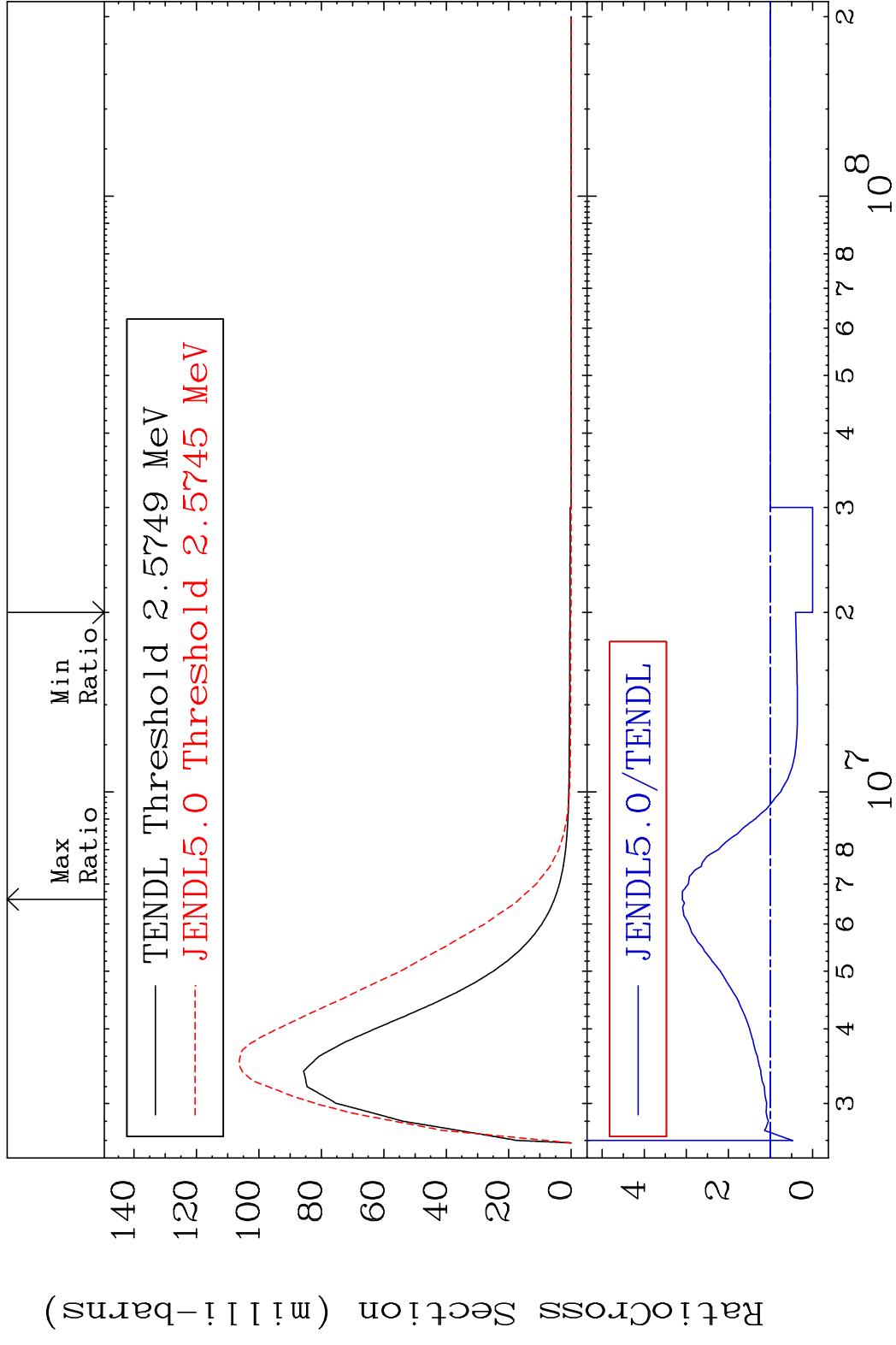
MAT 3043 MT= 57 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 9999. %



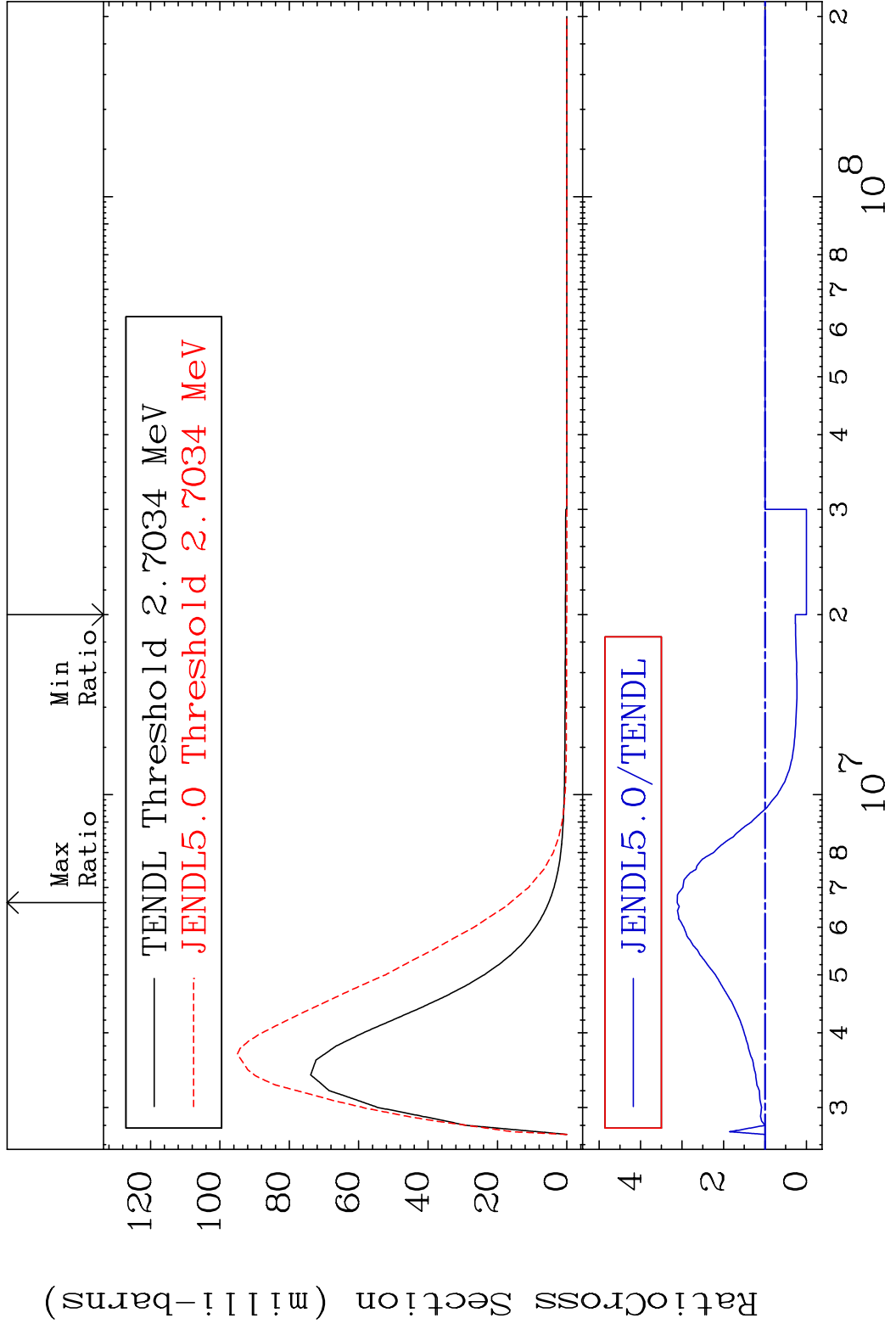
MAT 3043 MT= 58 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 9999. %



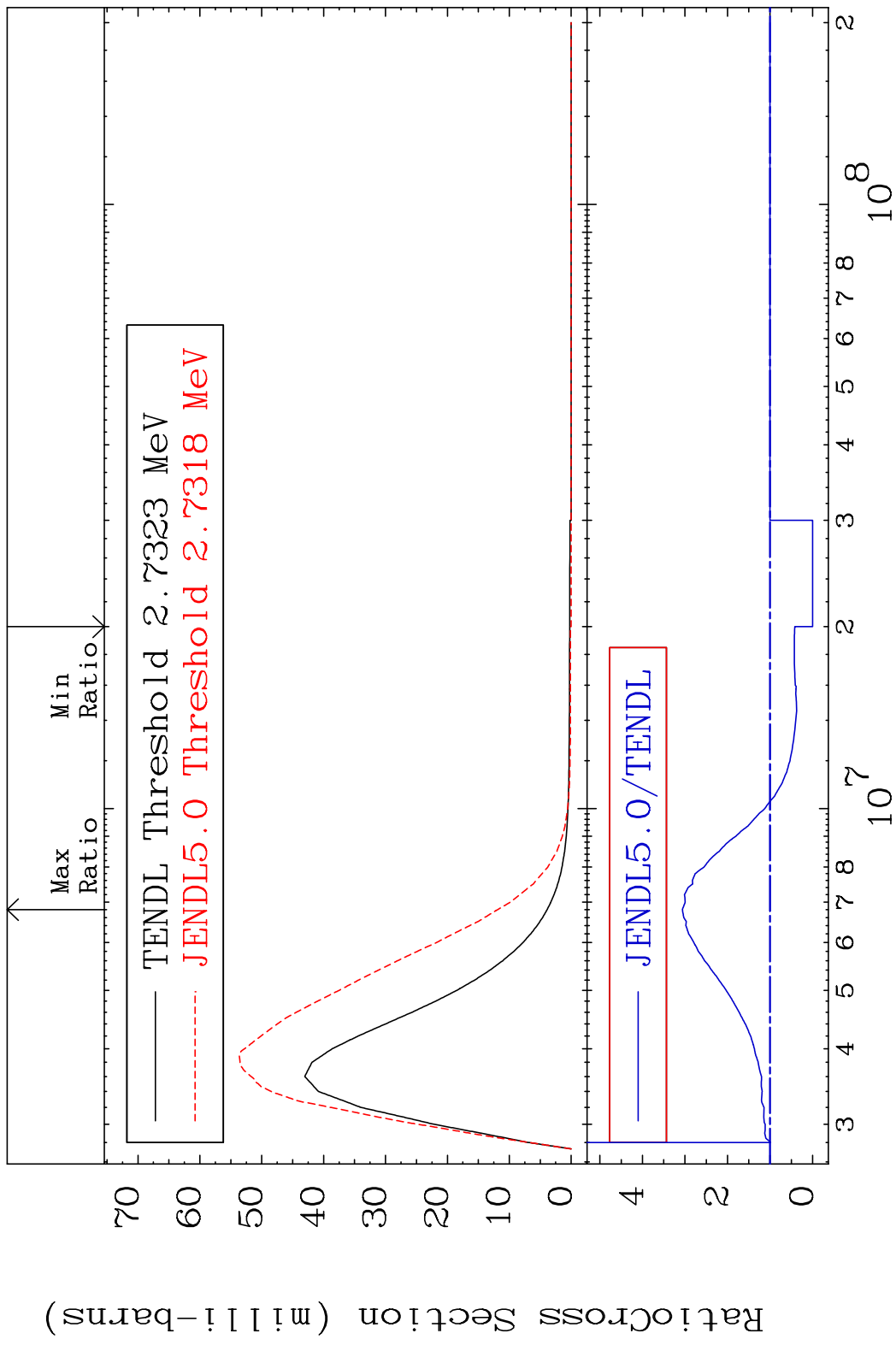
MAT 3043 MT= 59 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 209.5 %



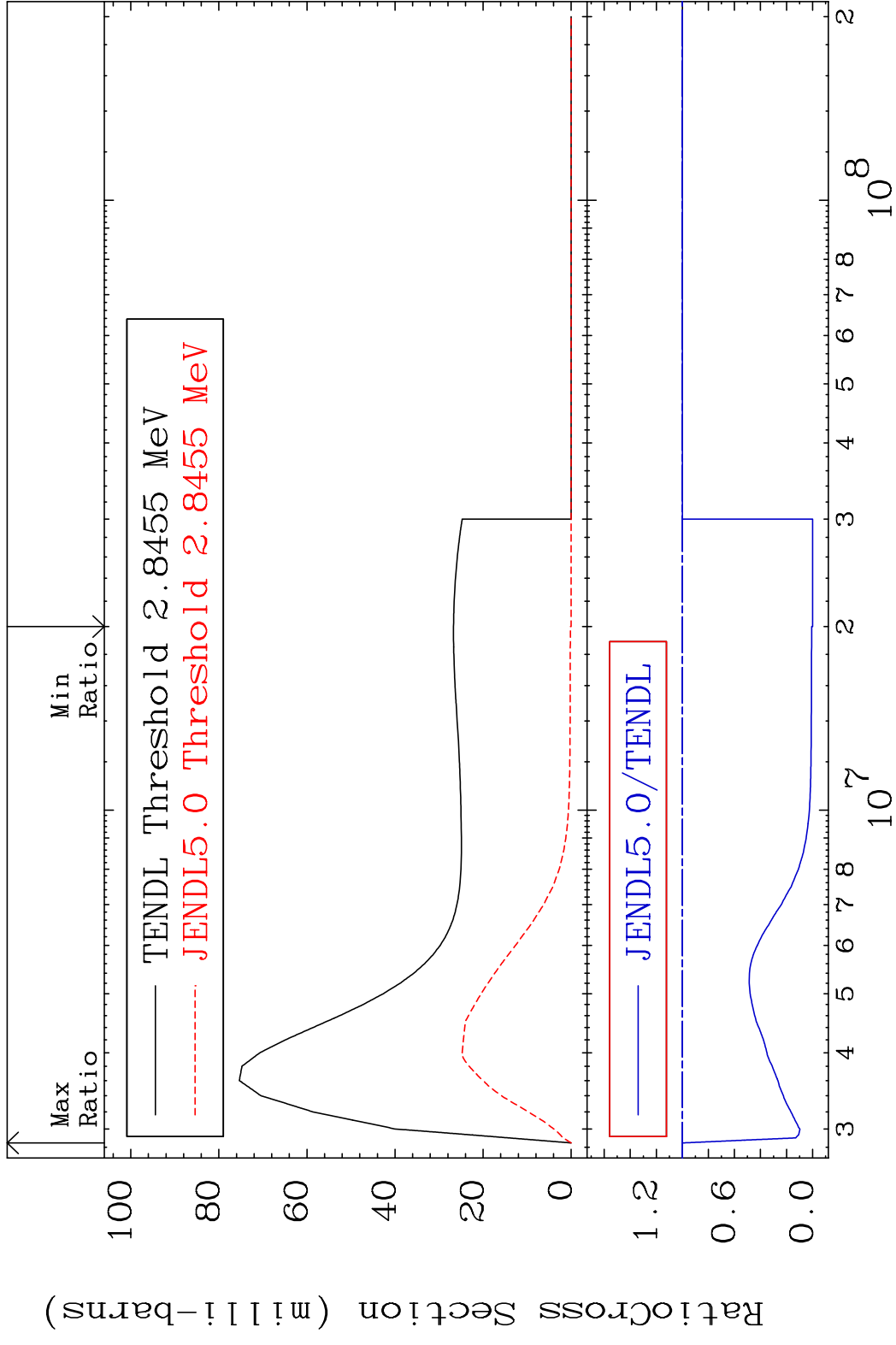
MAT 3043 MT= 60 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 211.8 %



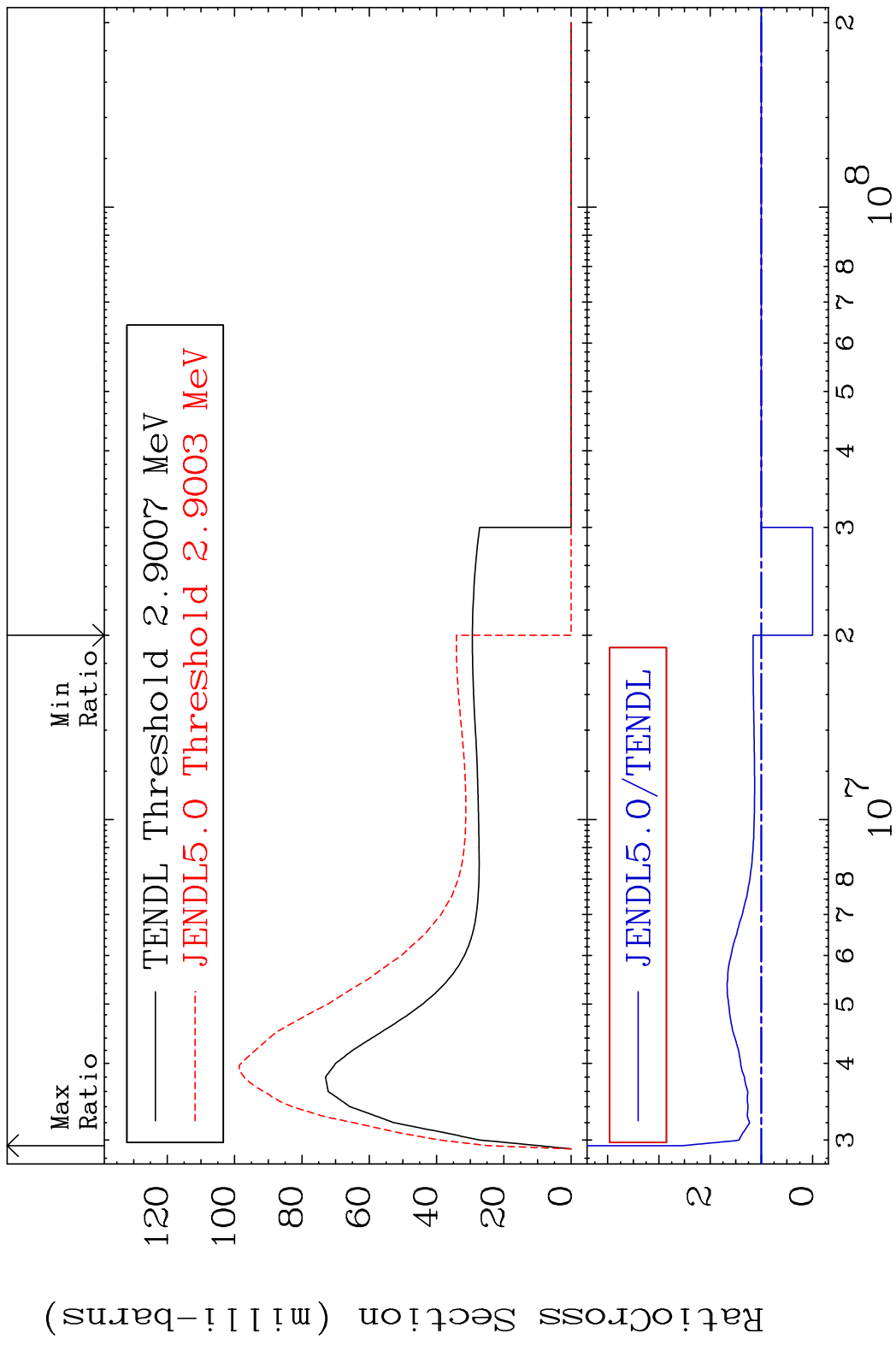
MAT 3043 MT= 61 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 206.1 %



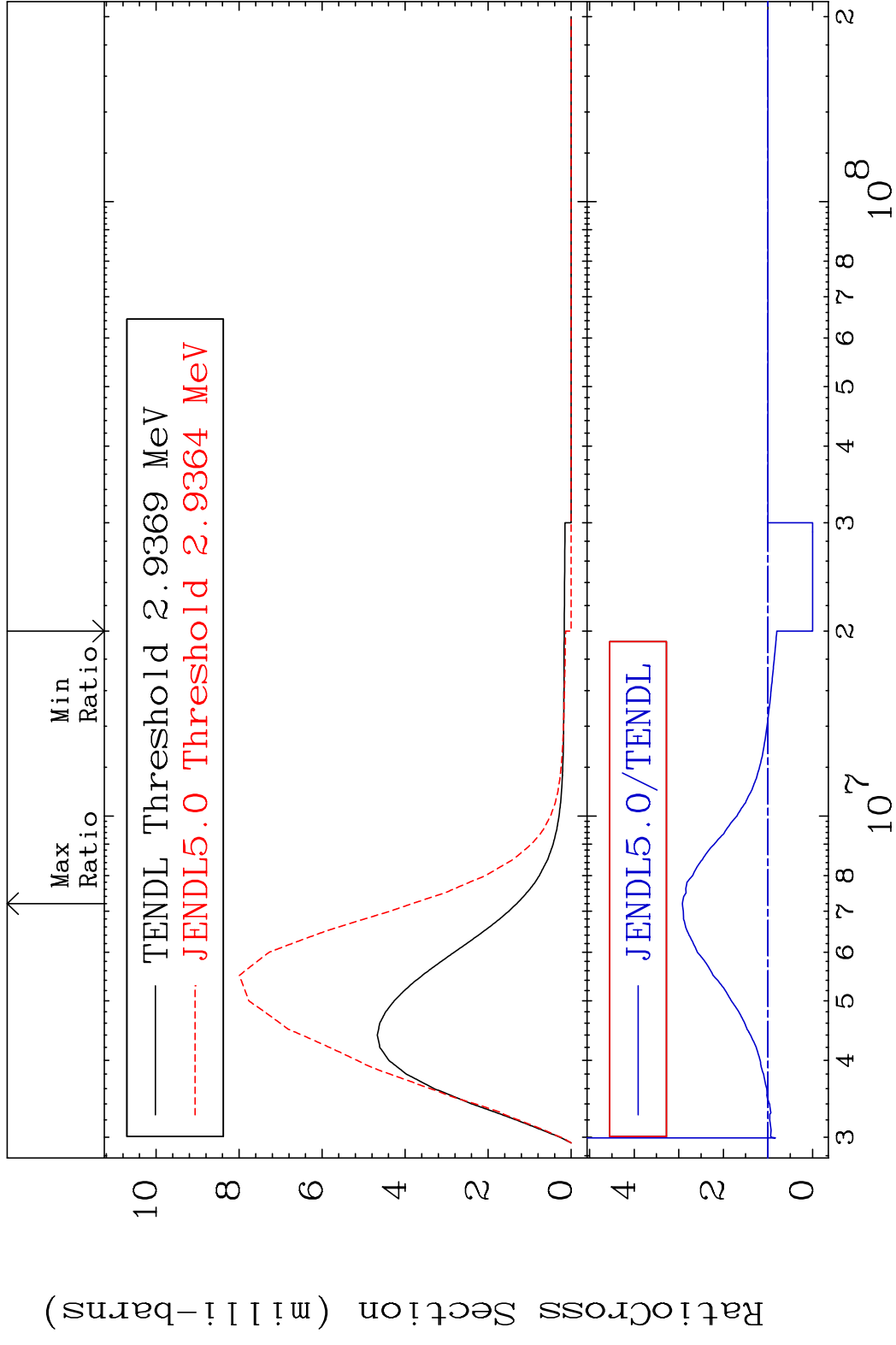
MAT 3043 MT= 62 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 0.000 %



MAT 3043 MT= 63 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 154.2 %

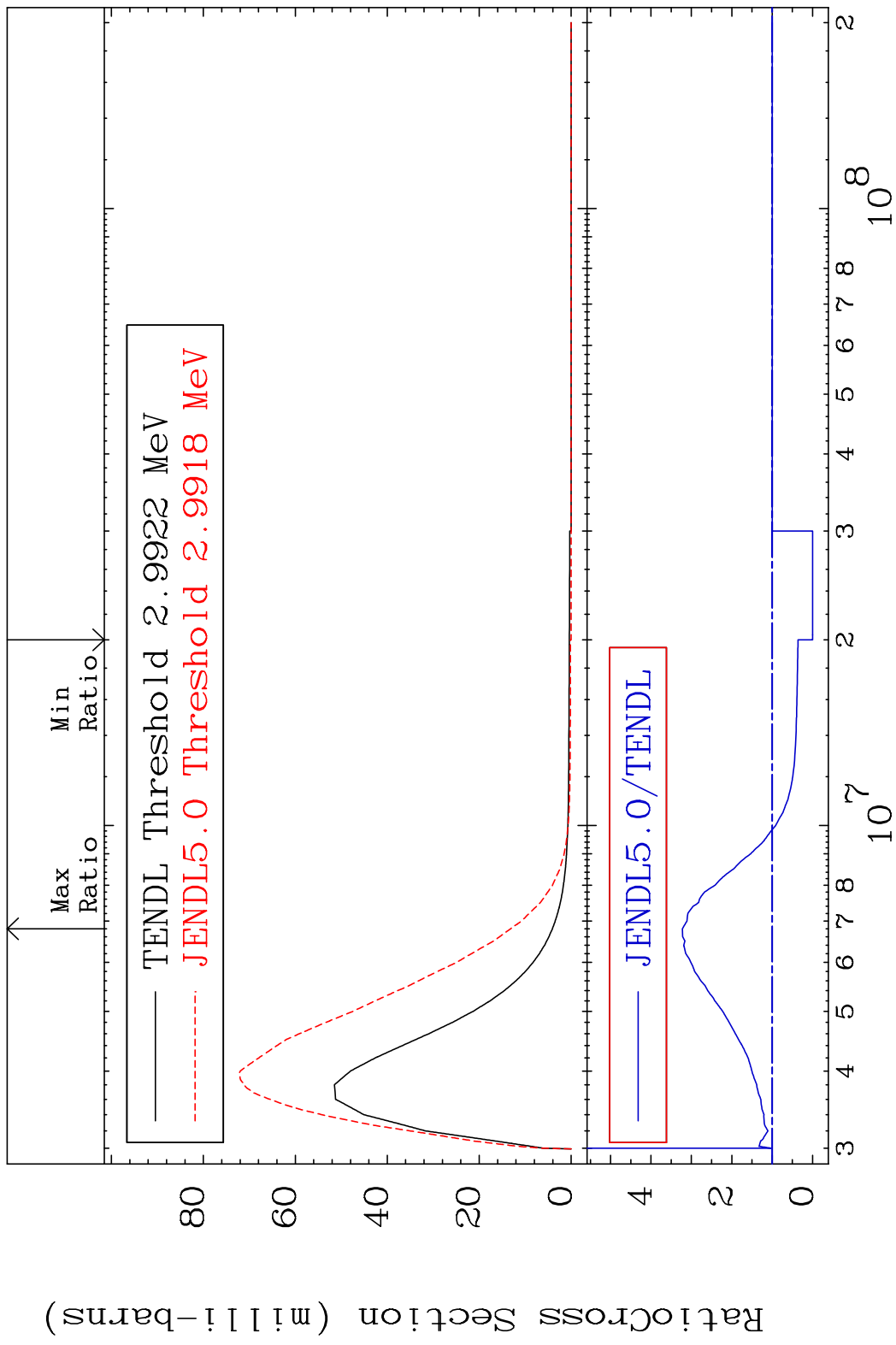


MAT 3043 MT= 64 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 192.0 %

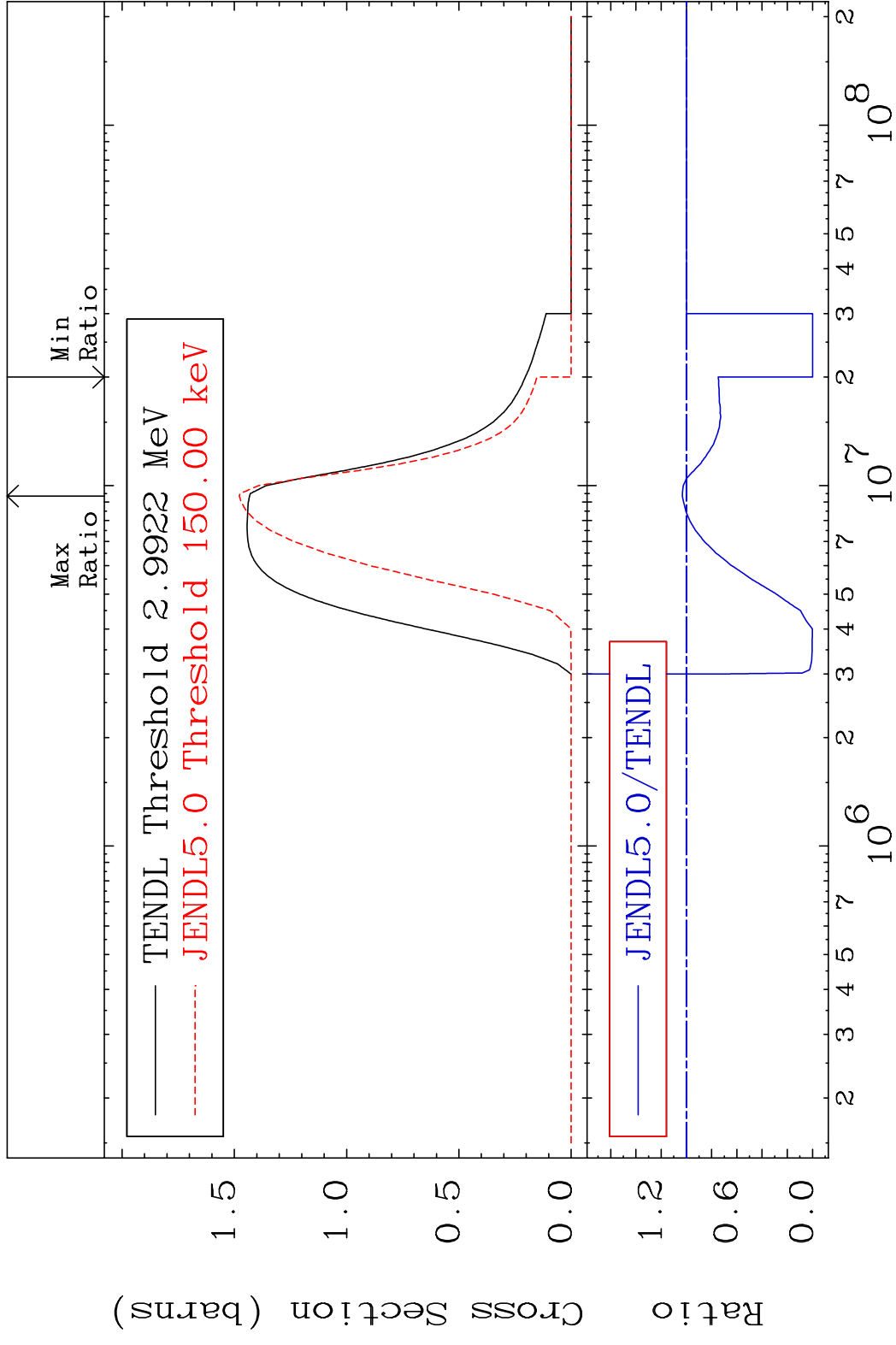




MAT 3043 MT= 65 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 222.3 %



MAT 3043 (n,n') Continuum 30-Zn-70  
 Cross Section -100.0 To 3.199 %



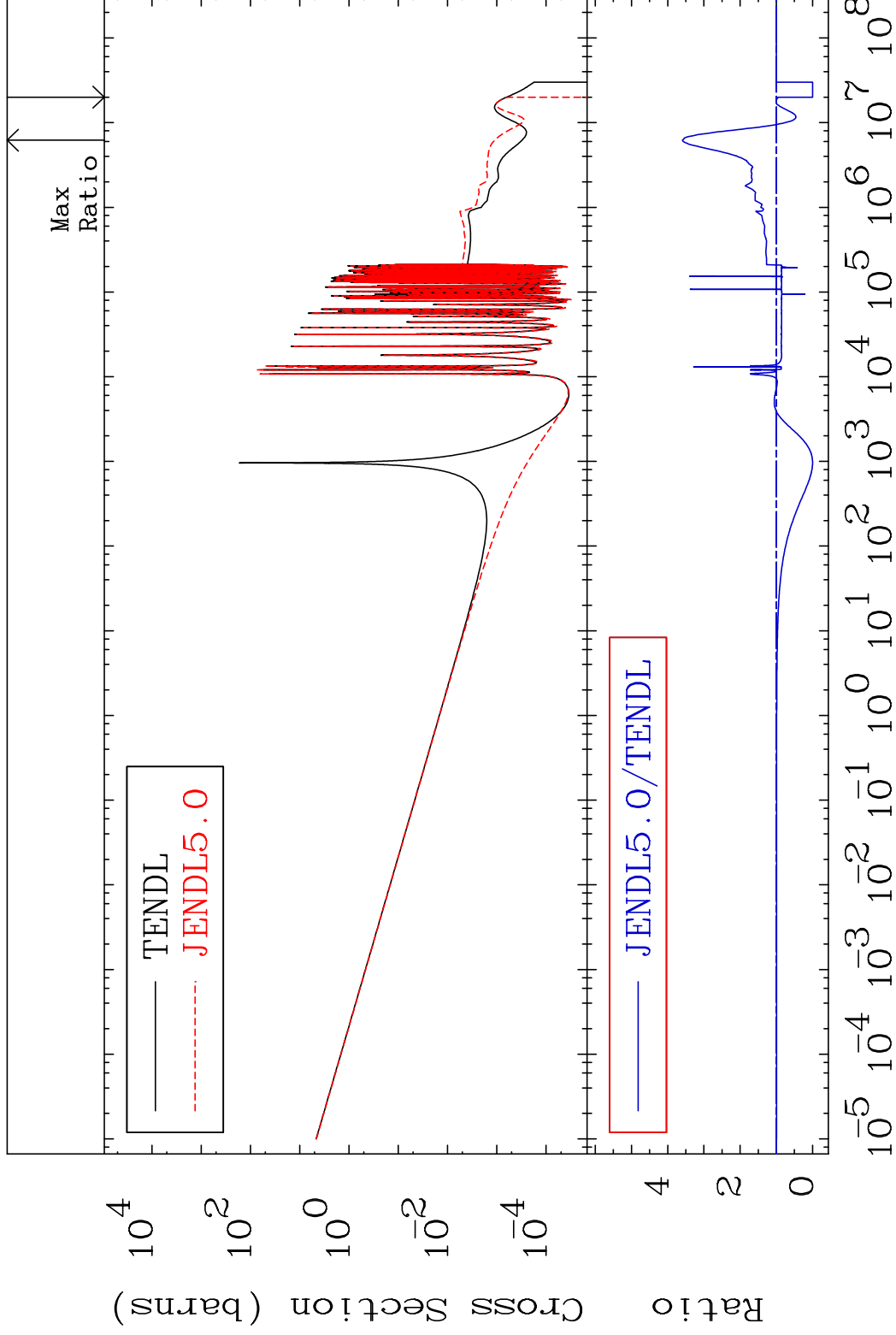
MAT 3043

(n,  $\gamma$ )

30-Zn-70

Cross Section

-100.0 To 259.6 %

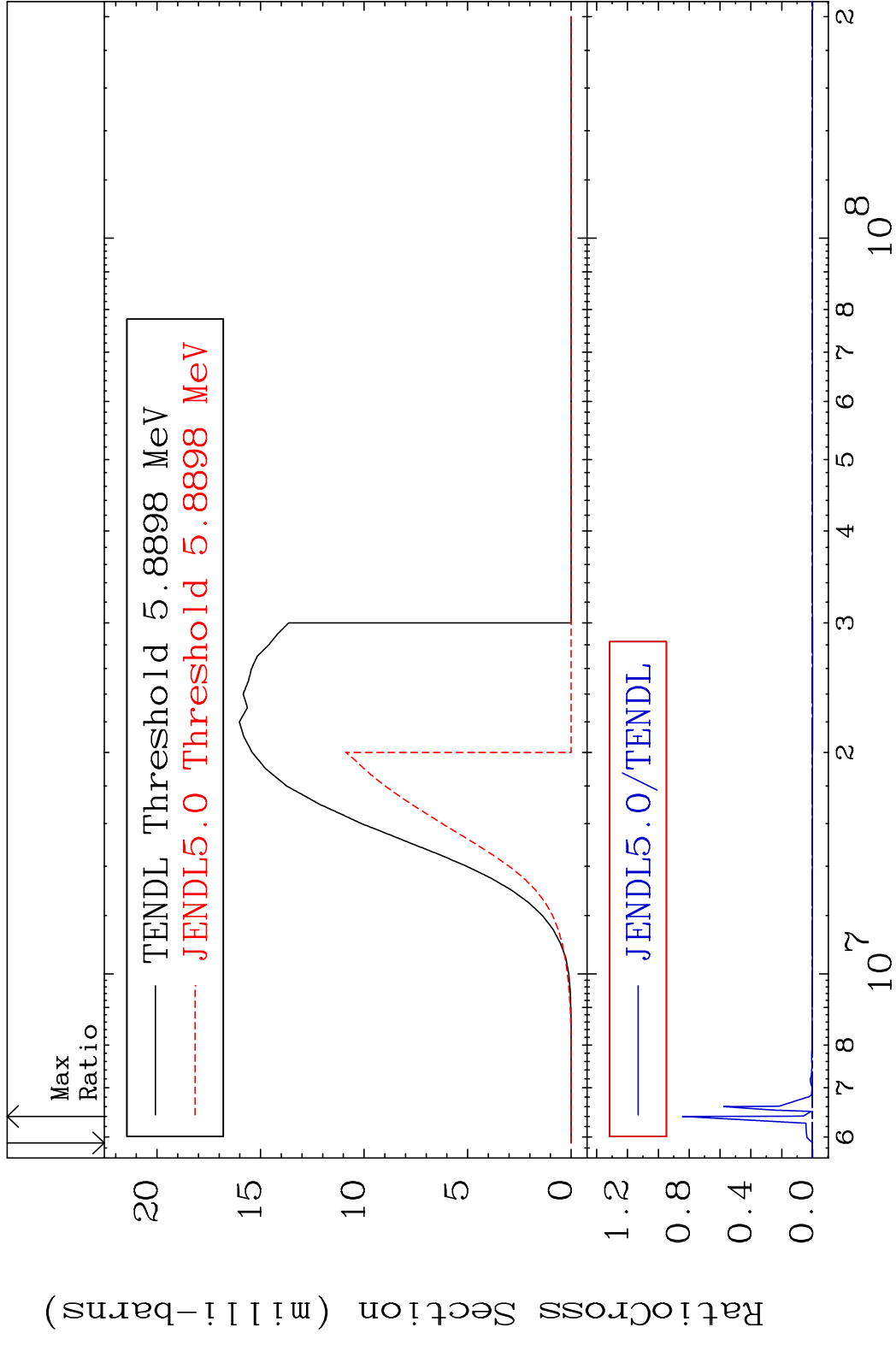


26

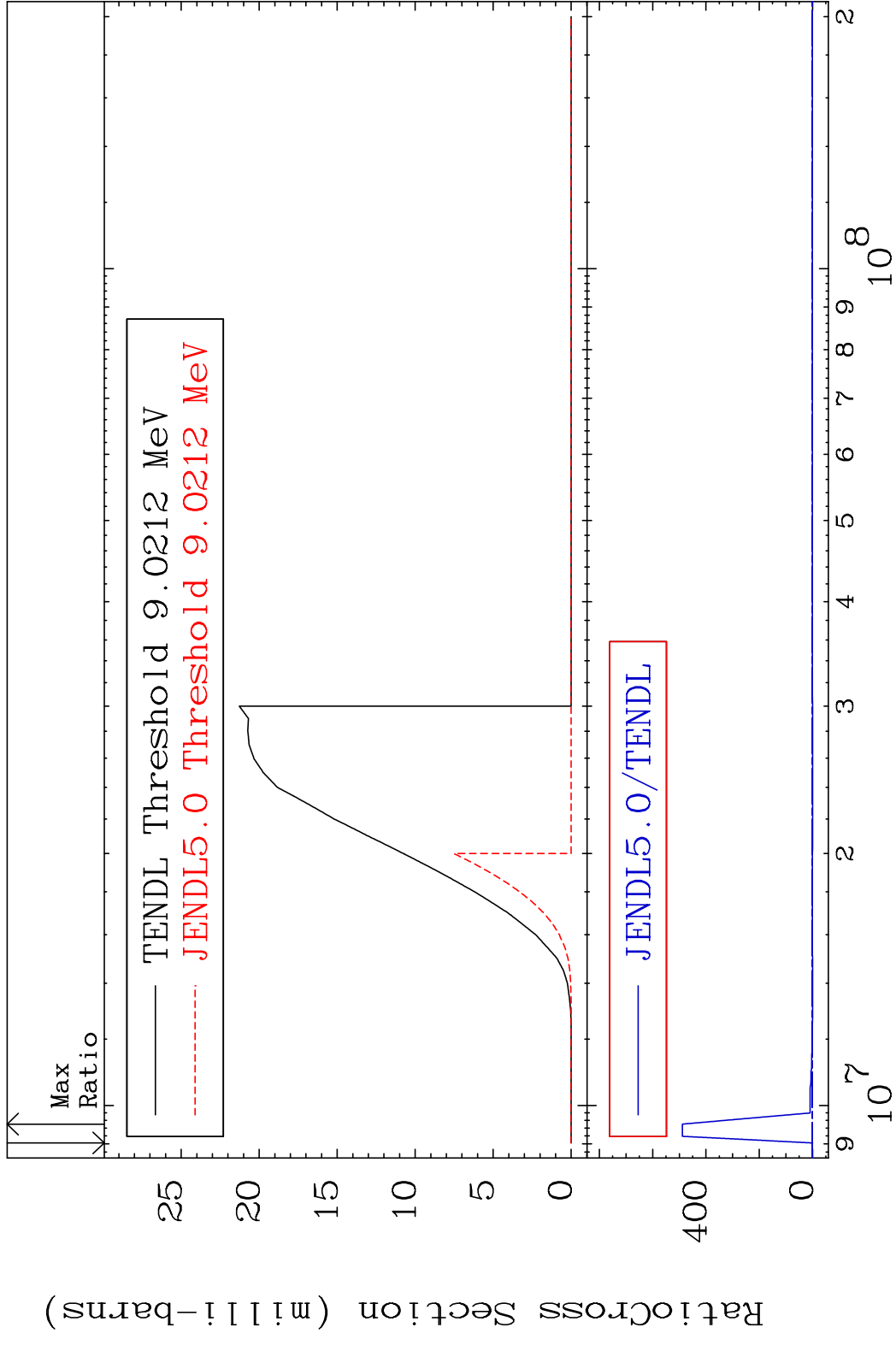
Incident Energy (eV)

30-Zn-70

MAT 3043 (n,p) 30-Zn-70  
 Cross Section -100.0 To 9999. %

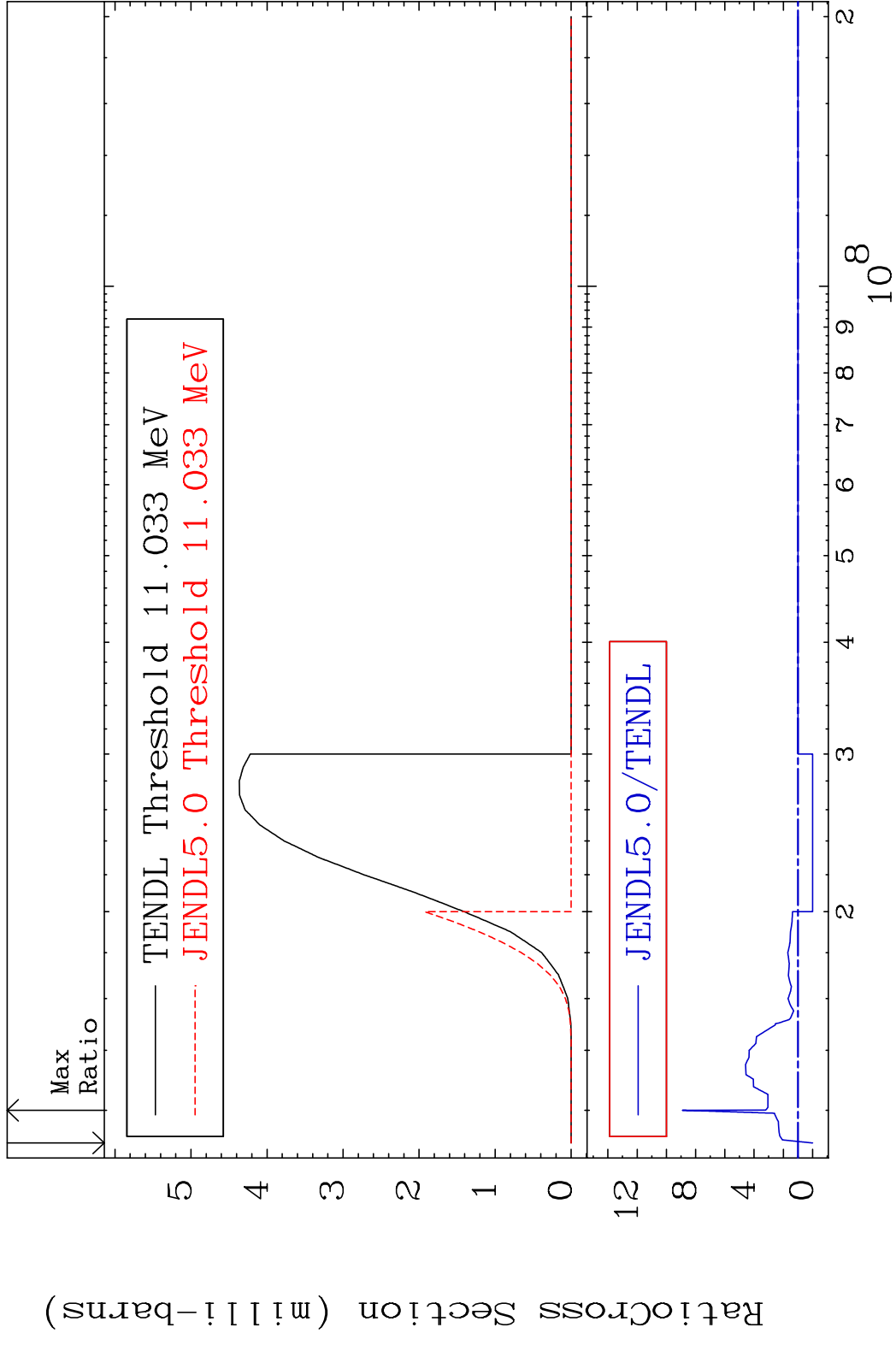


MAT 3043 (n,d) 30-Zn-70  
 Cross Section -100.0 To 9999. %

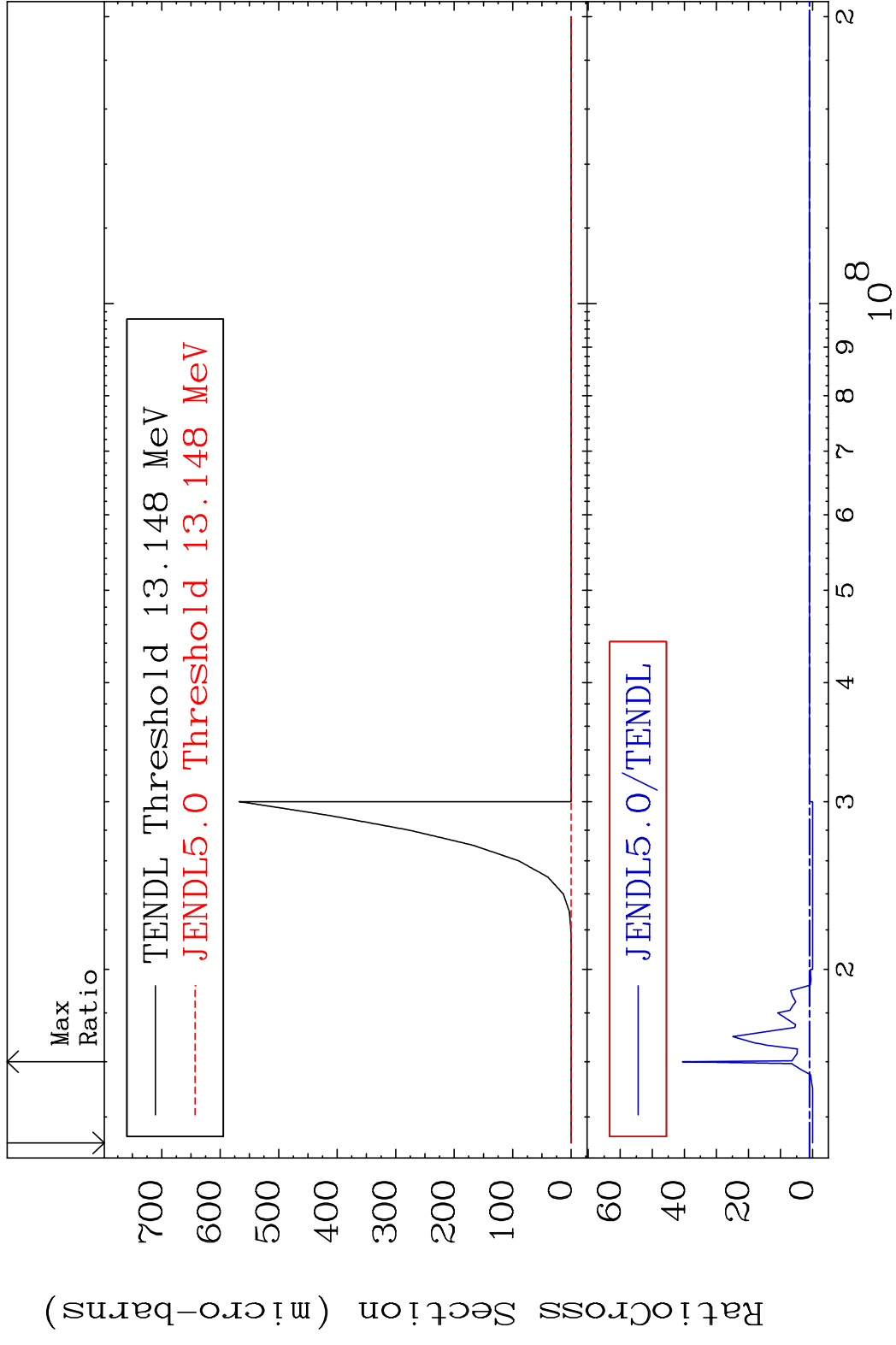


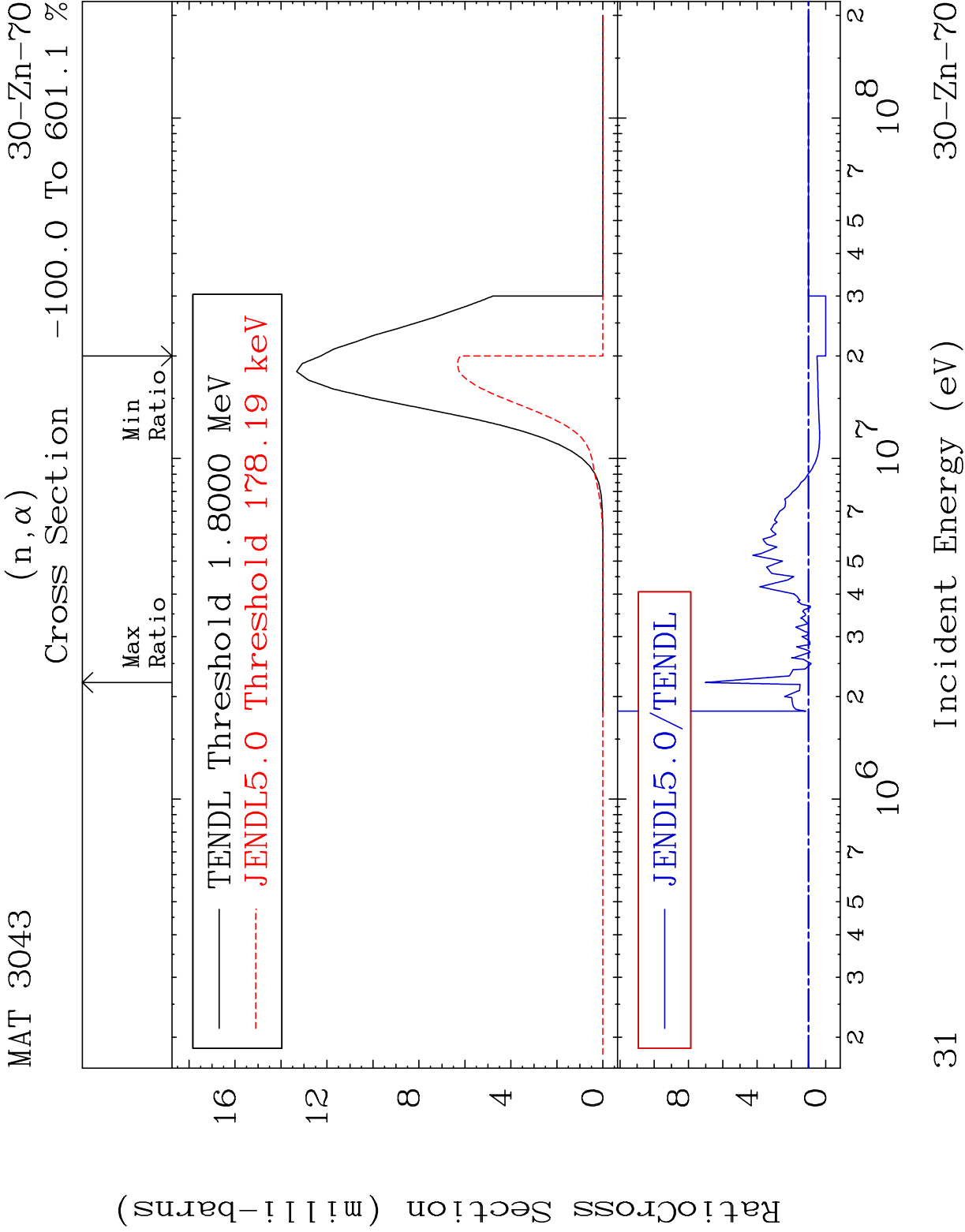
28 Incident Energy (eV) 30-Zn-70

MAT 3043 (n, t) 30-Zn-70  
 Cross Section -100.0 To 790.6 %



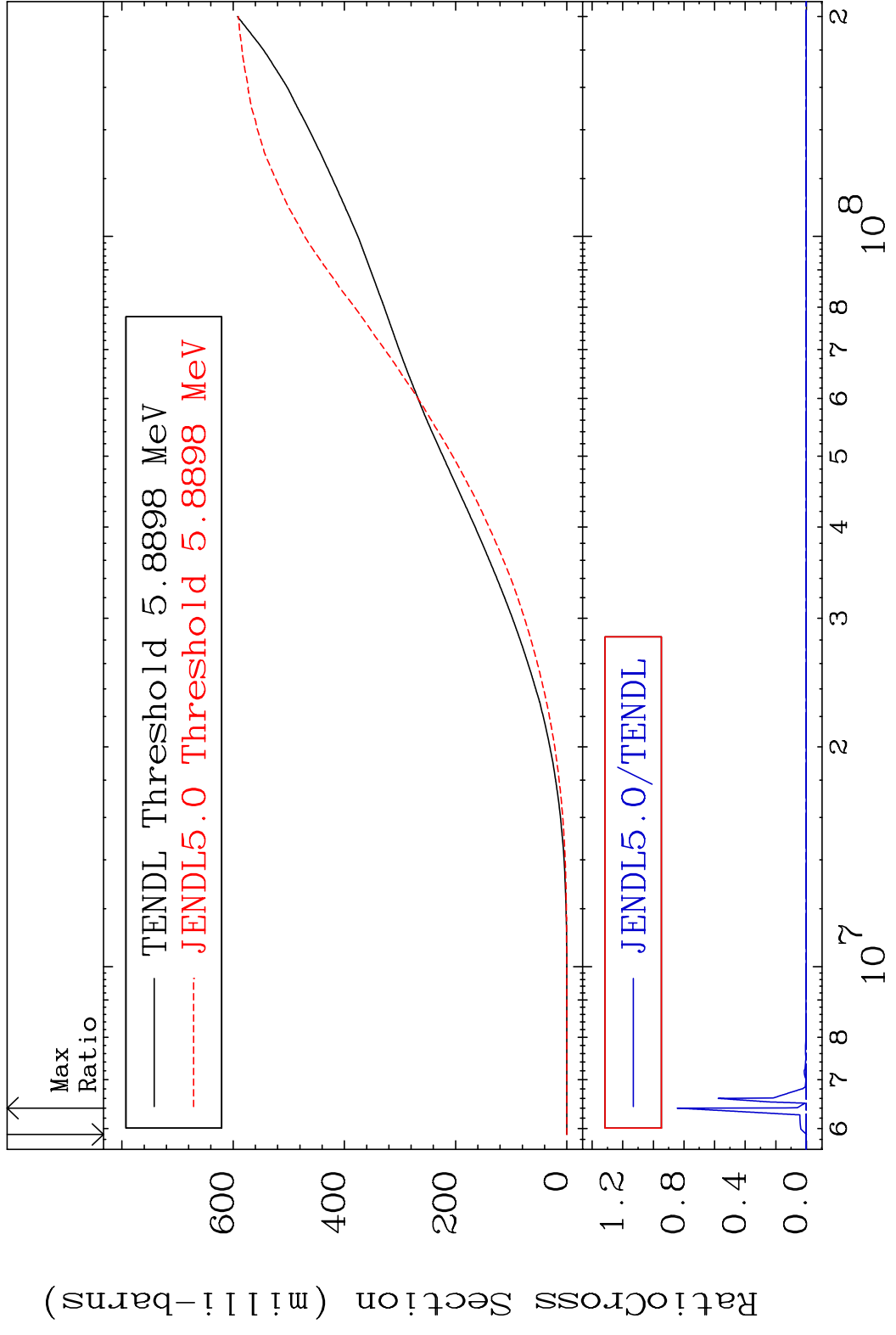
MAT 3043 (n, He-3) 30-Zn-70  
 Cross Section -100.0 To 3962. %



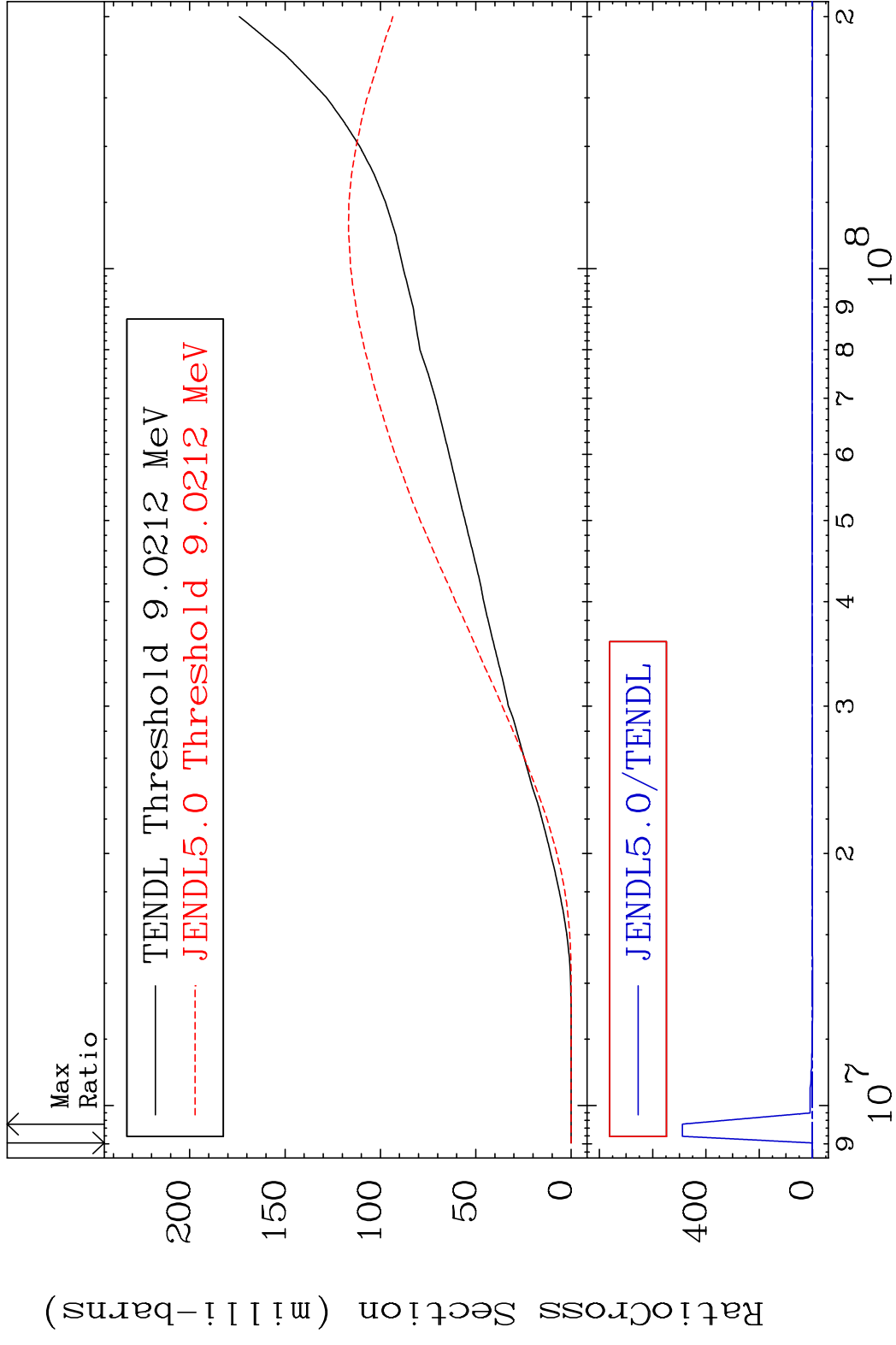




MAT 3043 Hydrogen Production 30-Zn-70  
 Cross Section -100.0 To 9999. %

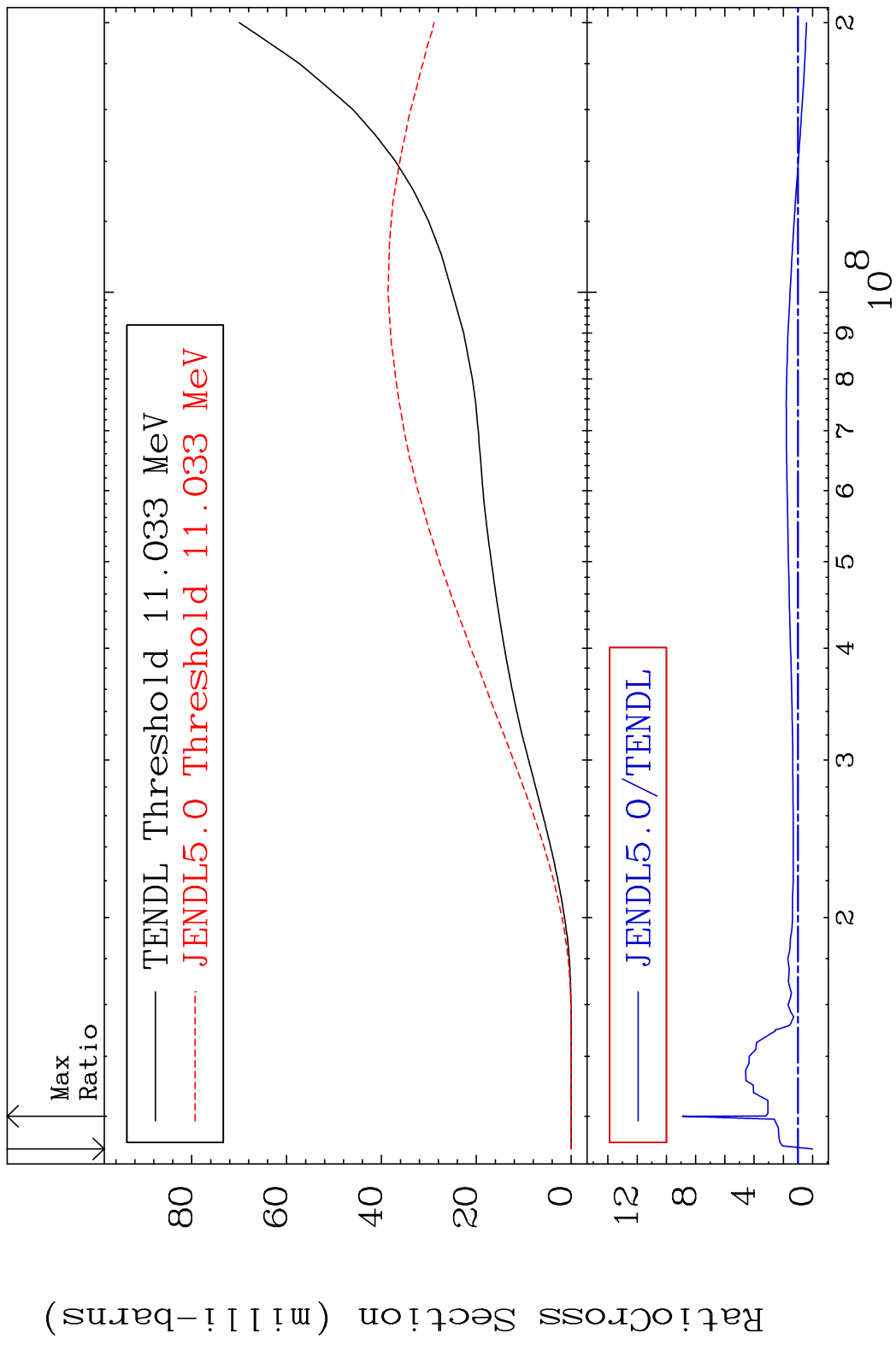


MAT 3043 Deuterium Production 30-Zn-70  
 Cross Section -100.0 To 9999. %

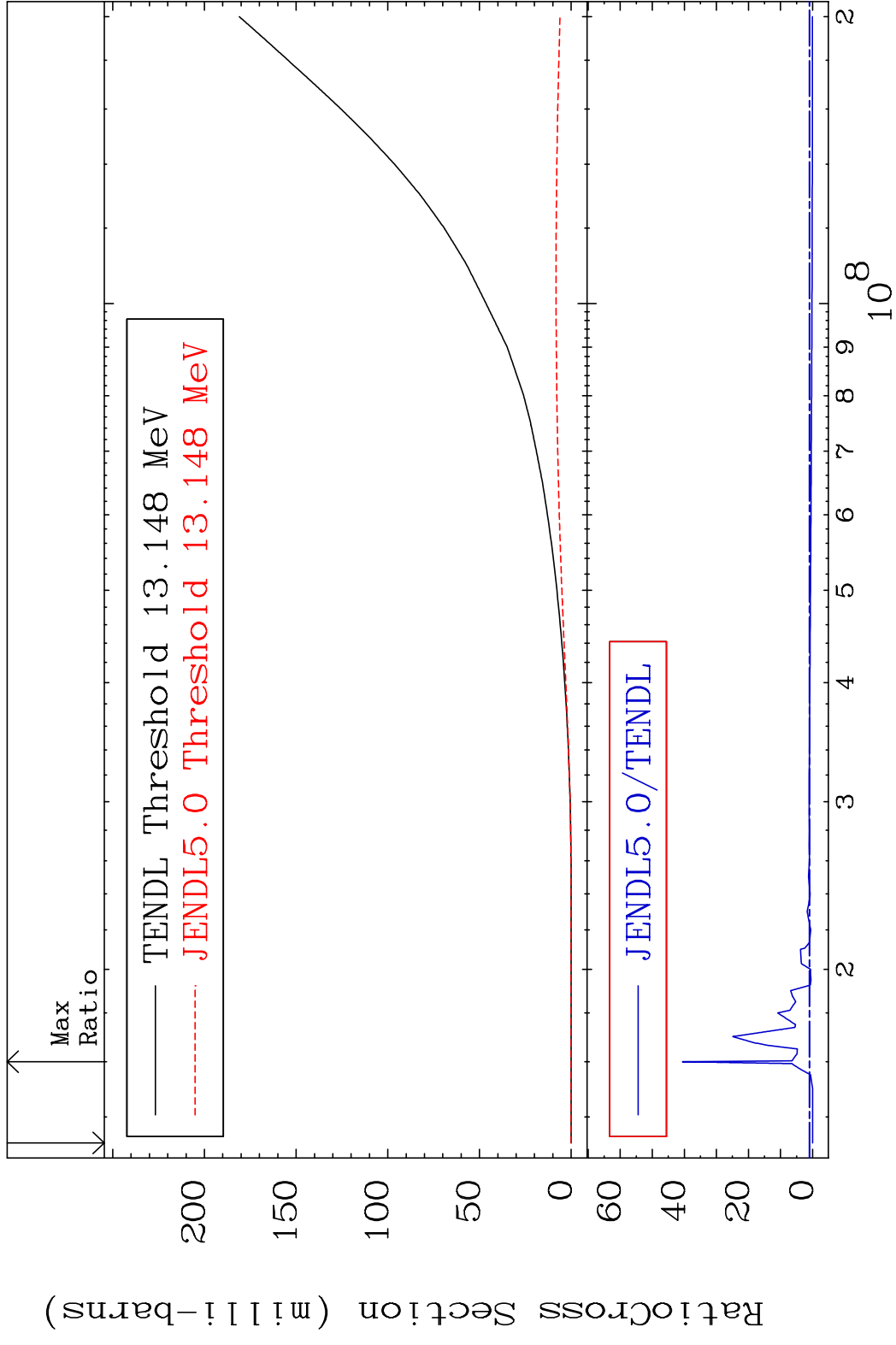


33 30-Zn-70

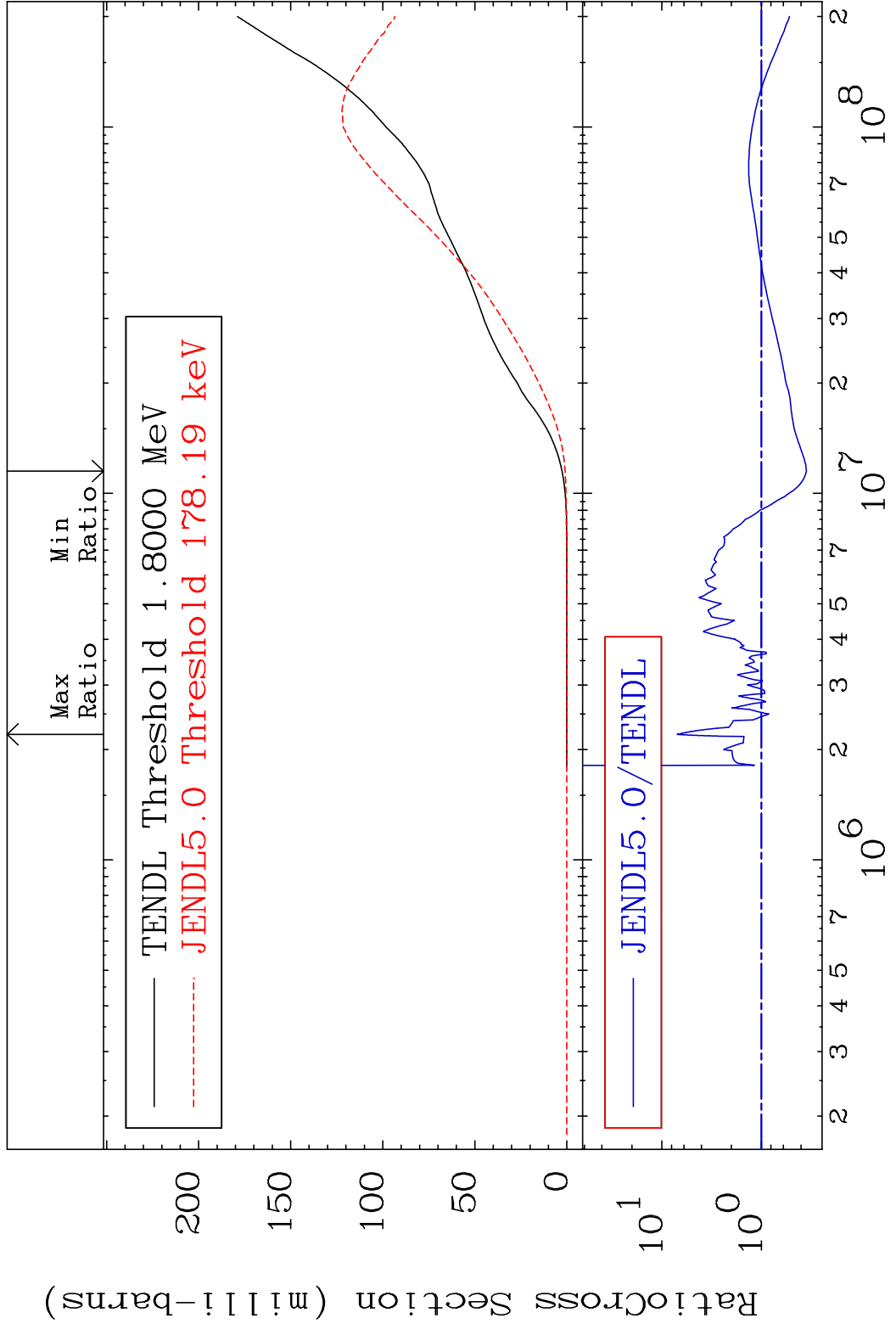
MAT 3043 Tritium Production 30-Zn-70  
 Cross Section -100.0 To 790.6 %



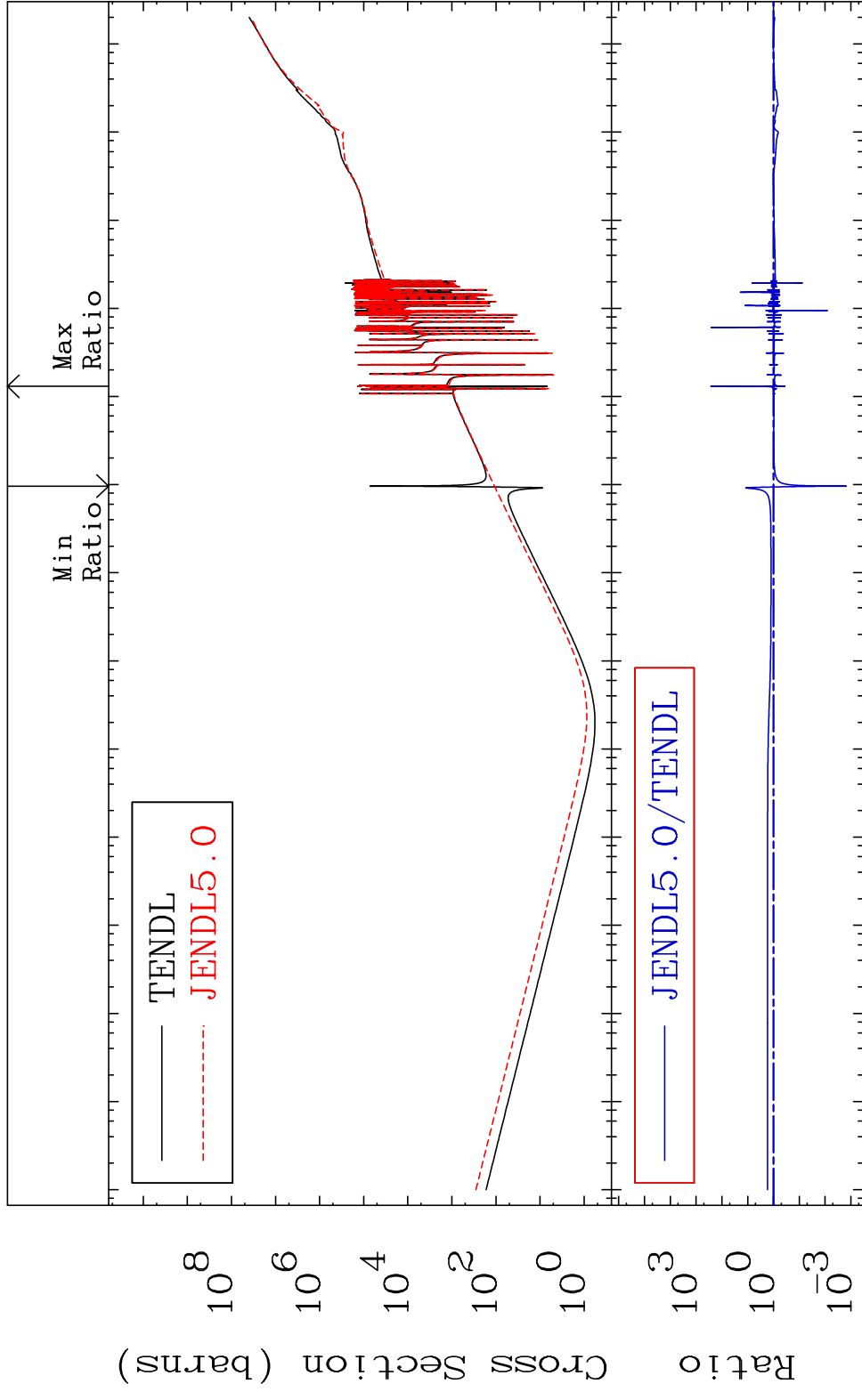
MAT 3043 He-3 Production 30-Zn-70  
 Cross Section -100.0 To 3962. %



MAT 3043 He-4 Production 30-Zn-70  
 Cross Section -64.74 To 601.1 %



MAT 3043 Kerma total (eV-barns) 30-Zn-70  
 Cross Section -99.85 To 9999. %



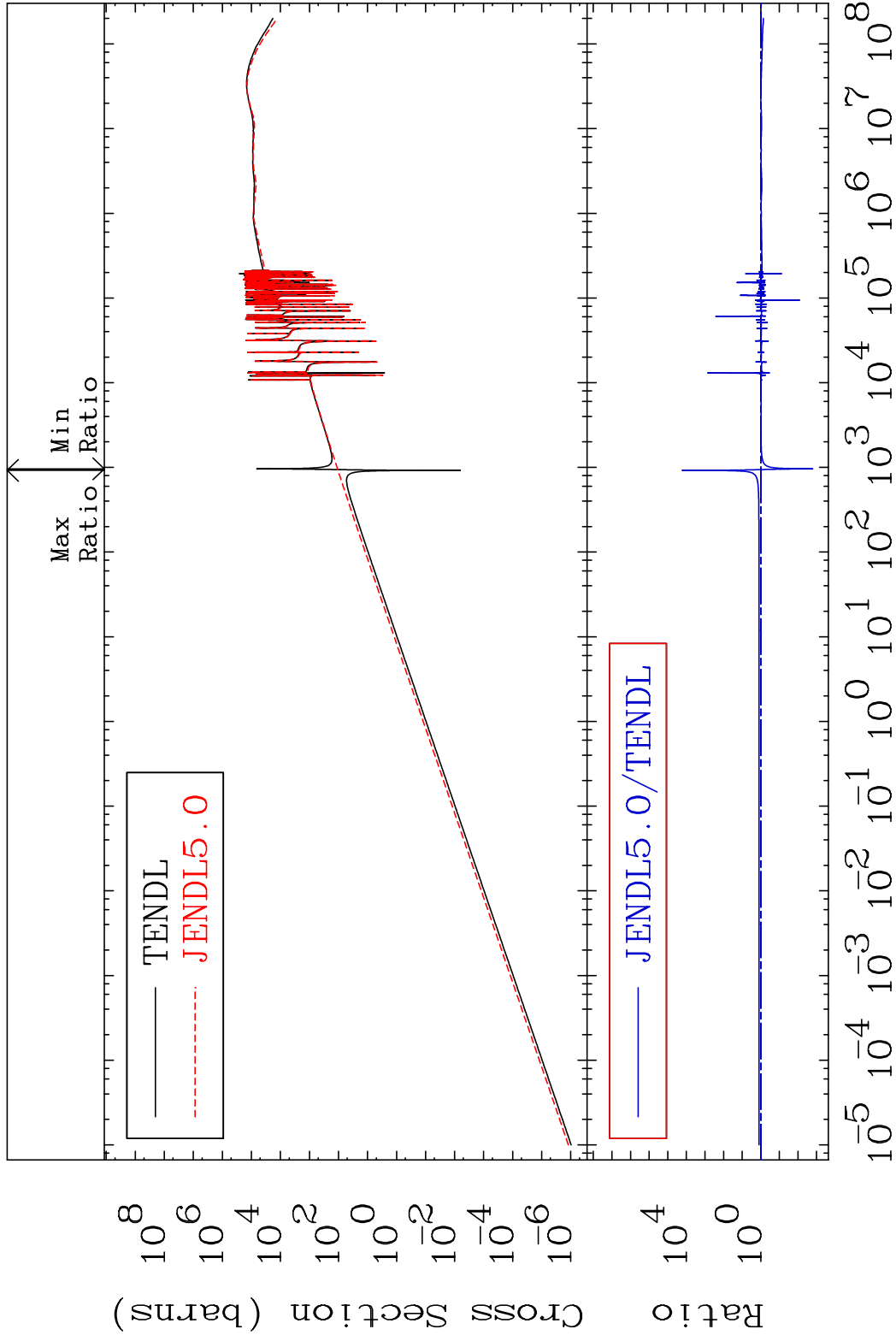
37 Incident Energy (eV) 30-Zn-70

MAT 3043

Kerma elastic

30-Zn-70

Cross Section -99.84 To 9999. %

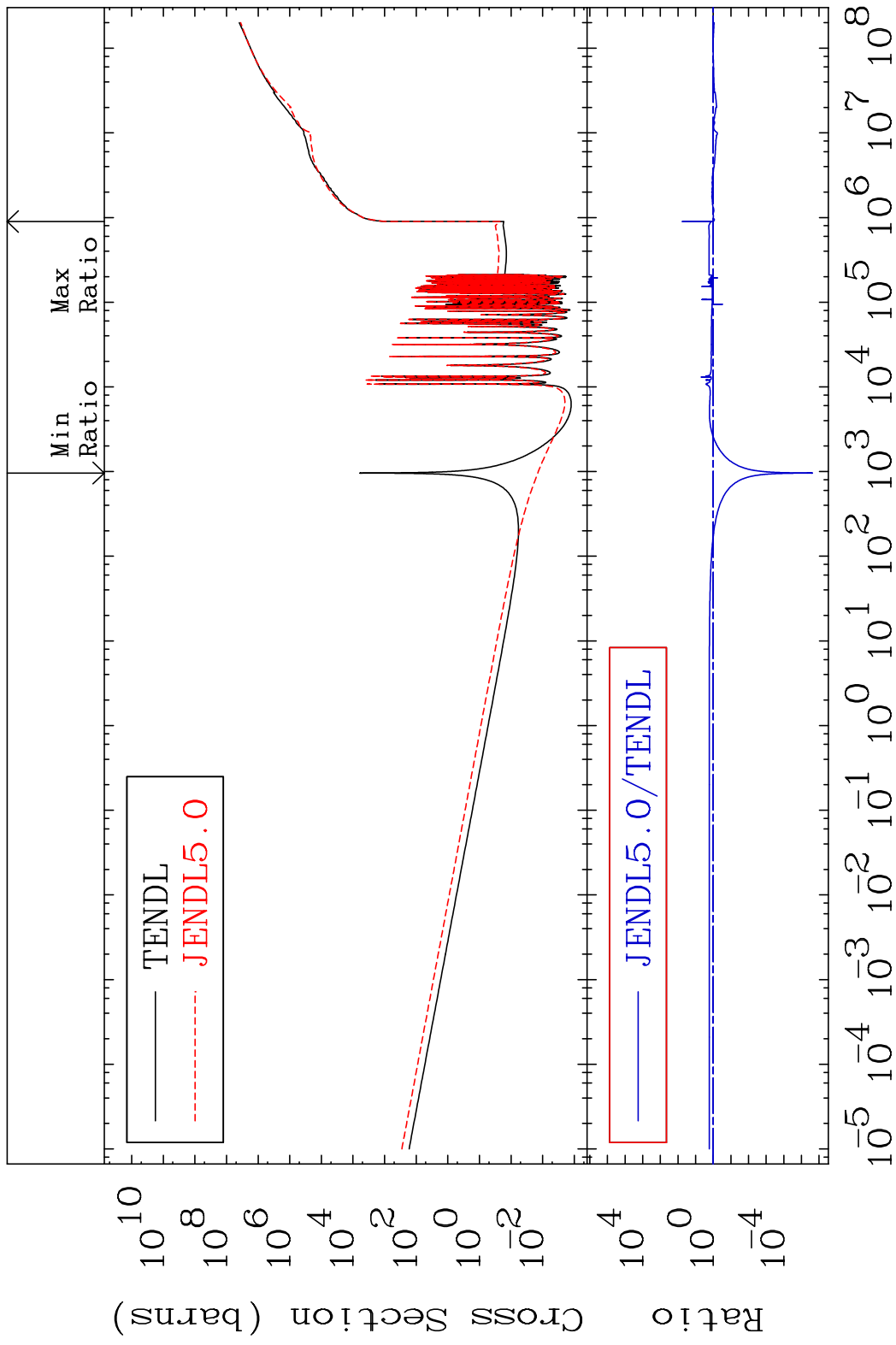


38

Incident Energy (eV)

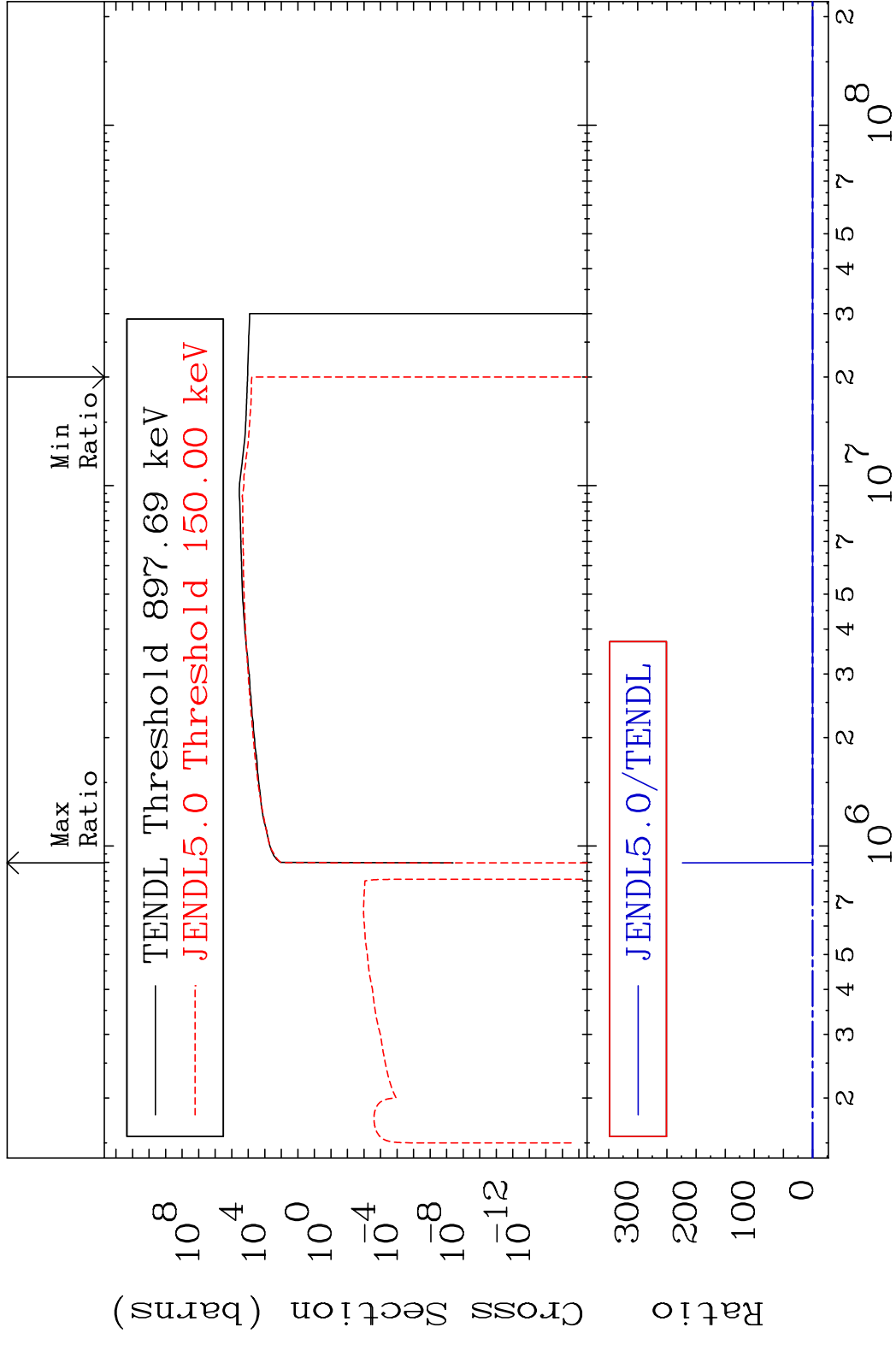
30-Zn-70

MAT 3043 Kerma non-elastic (all but mt2) 30-Zn-70  
 Cross Section -100.0 To 5567. %



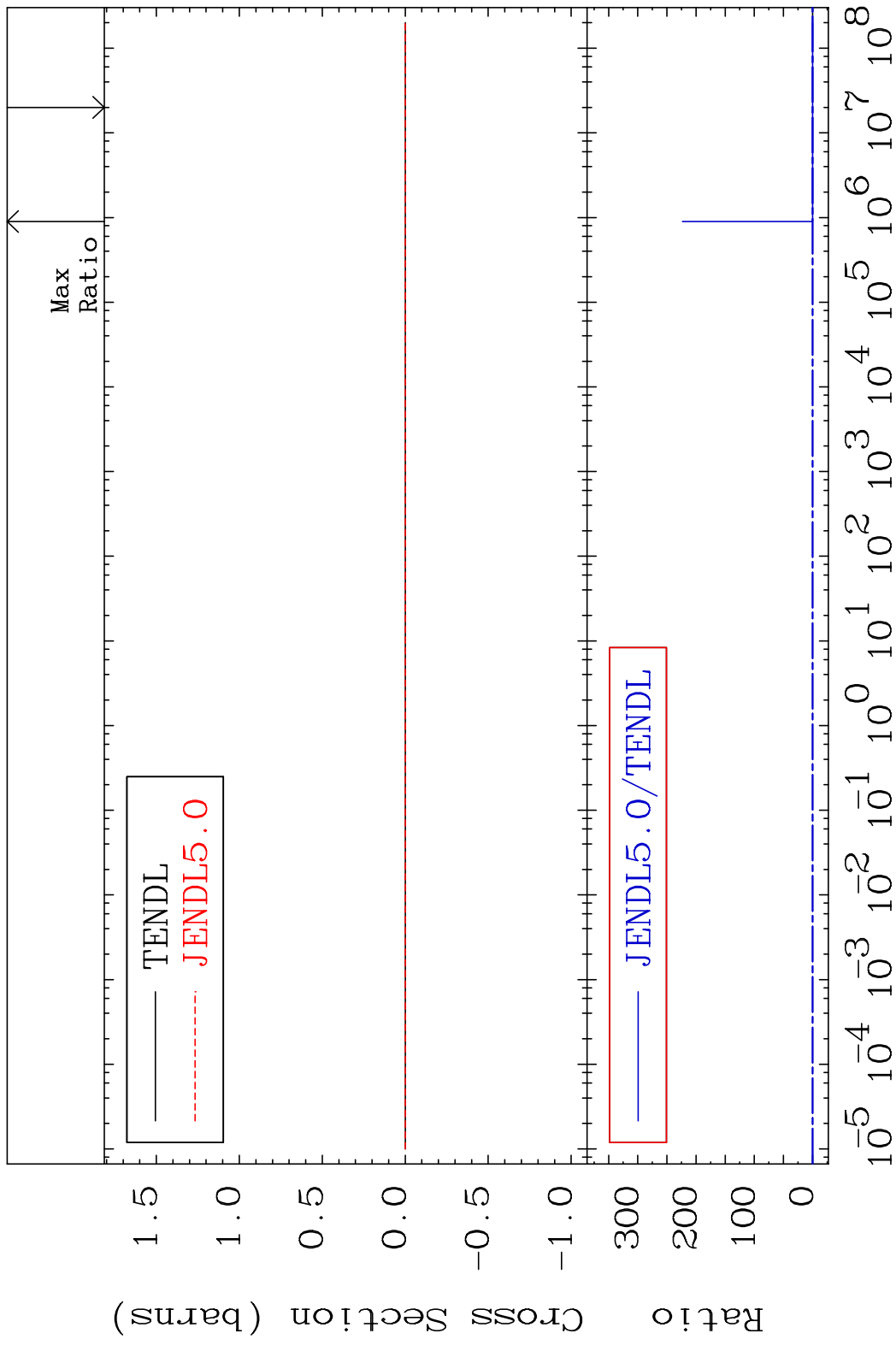


MAT 3043 Kerma inelastic (mt51-91) 30-Zn-70  
 Cross Section -100.0 To 9999. %

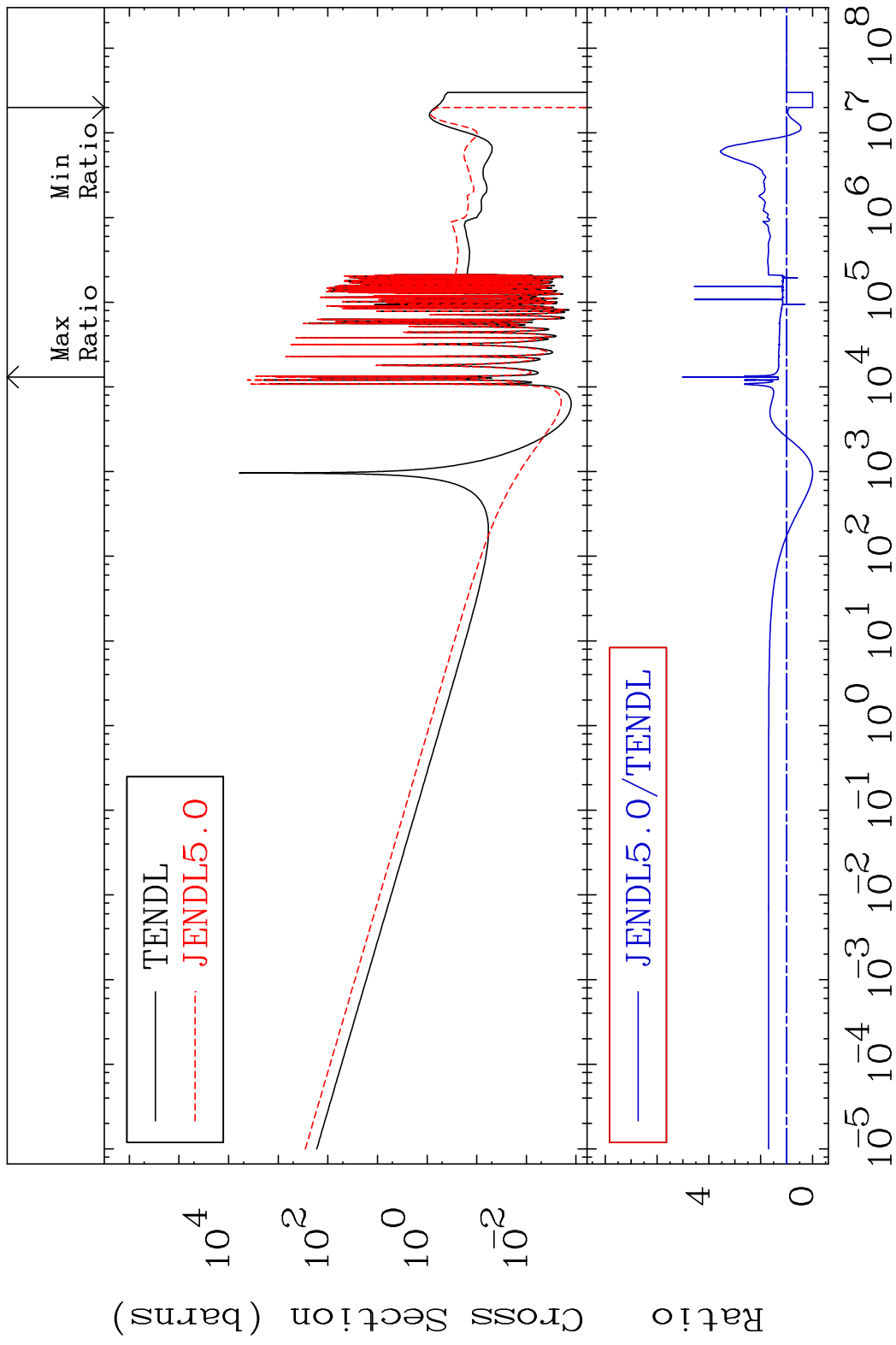


40 Incident Energy (eV) 30-Zn-70

MAT 3043 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-70  
 Cross Section -100.0 To 9999. %

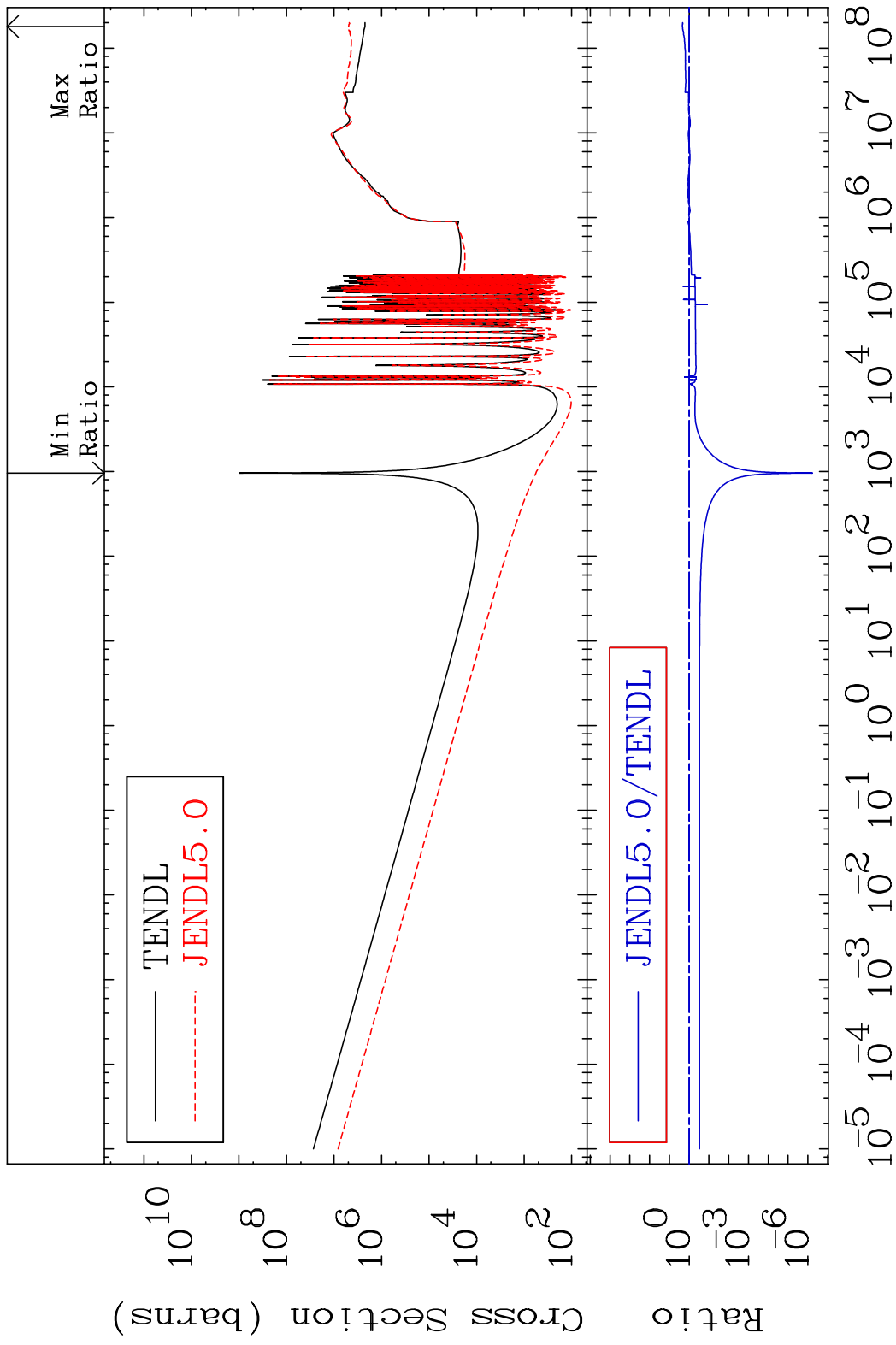


MAT 3043 Kerma capture (mt102) 30-Zn-70  
 Cross Section -100.0 To 402.3 %

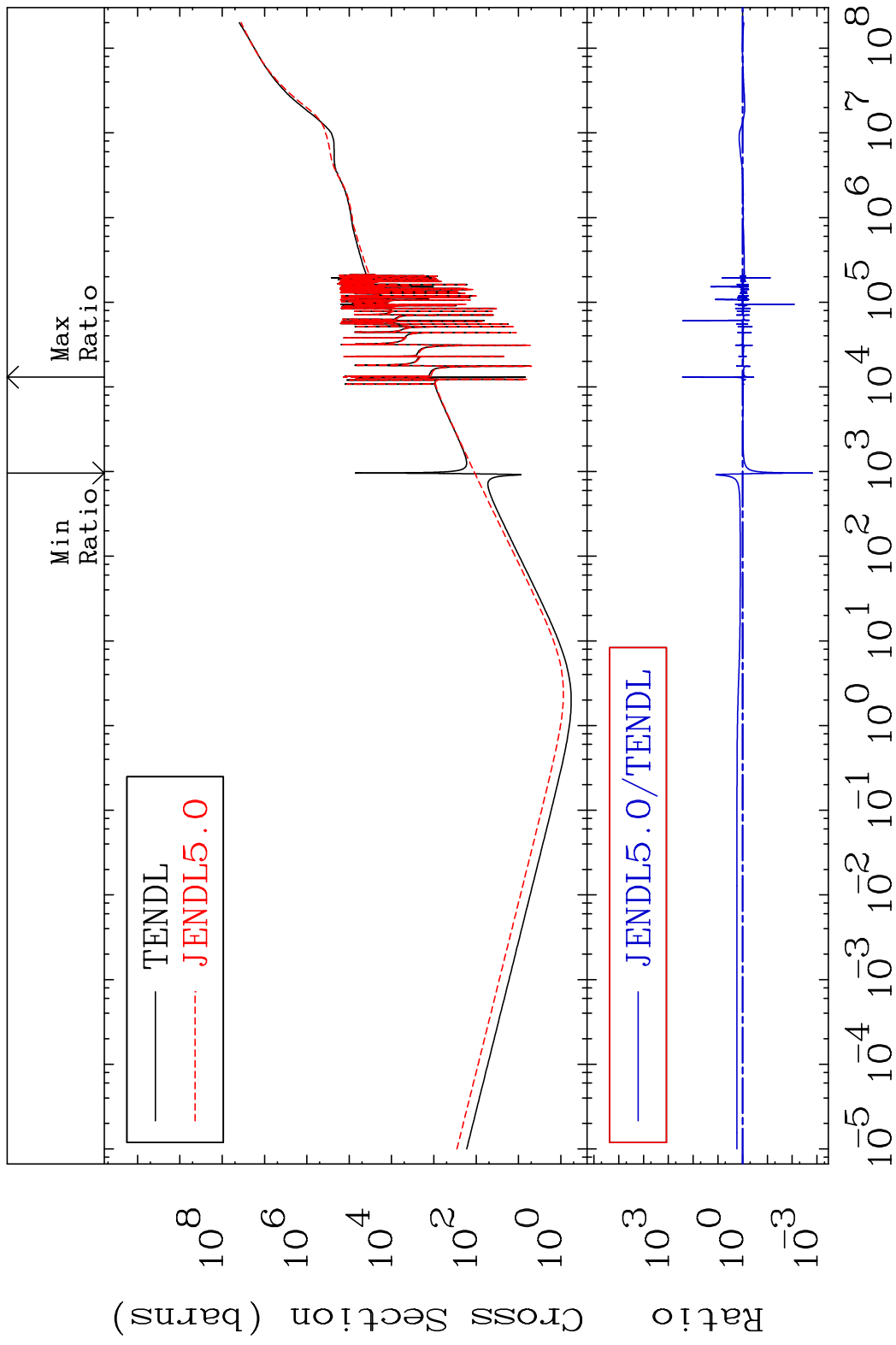


42 Incident Energy (eV) 30-Zn-70

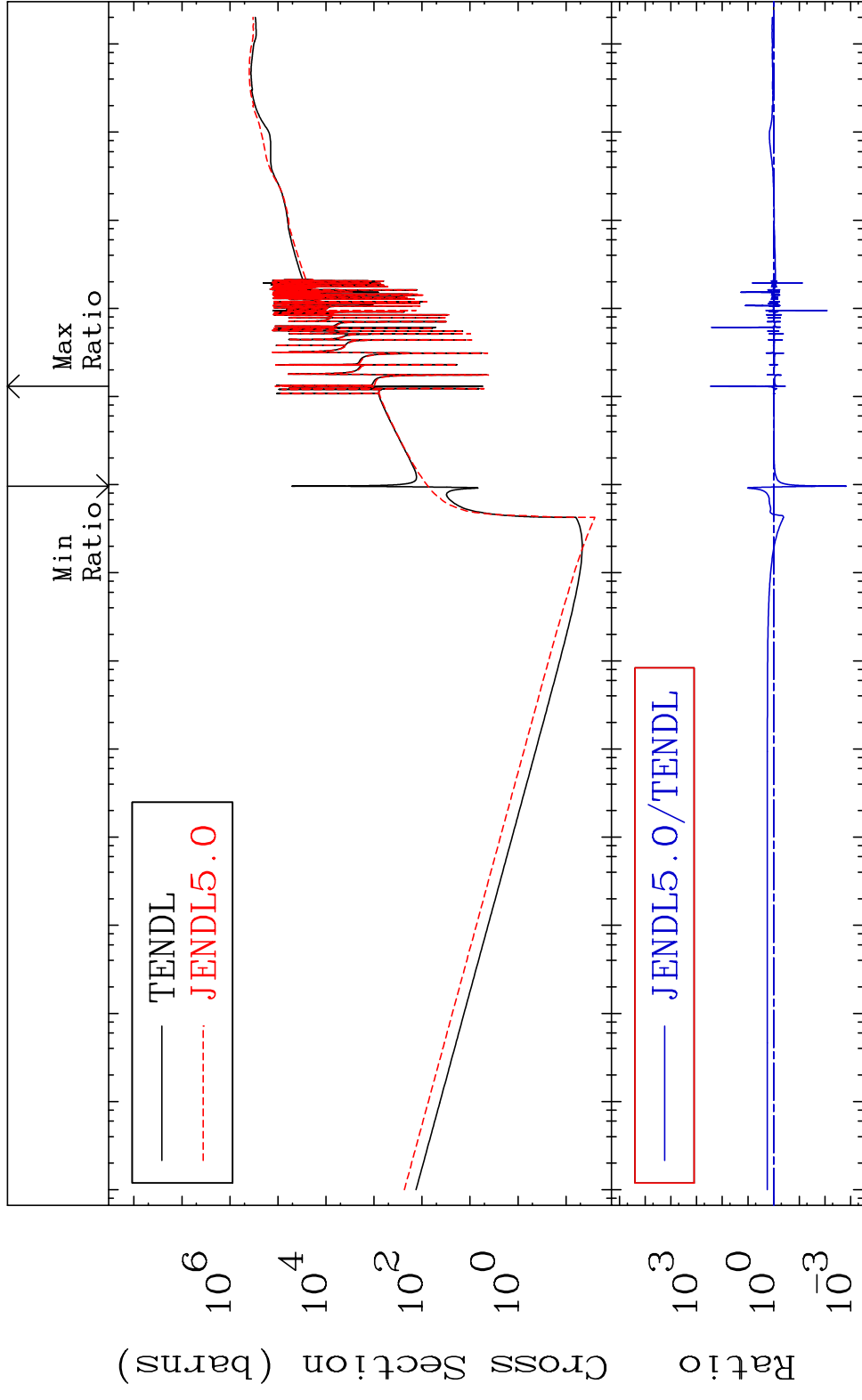
MAT 3043 Total photon (eV-barns) 30-Zn-70  
Cross Section -100.0 To 120.6 %



MAT 3043 Total kinematic kerma (high limit) 30-Zn-70  
 Cross Section -99.85 To 9999. %



MAT 3043      Dpa total (eV-barns)      30-Zn-70  
 Cross Section      -99.85 To 9999. %



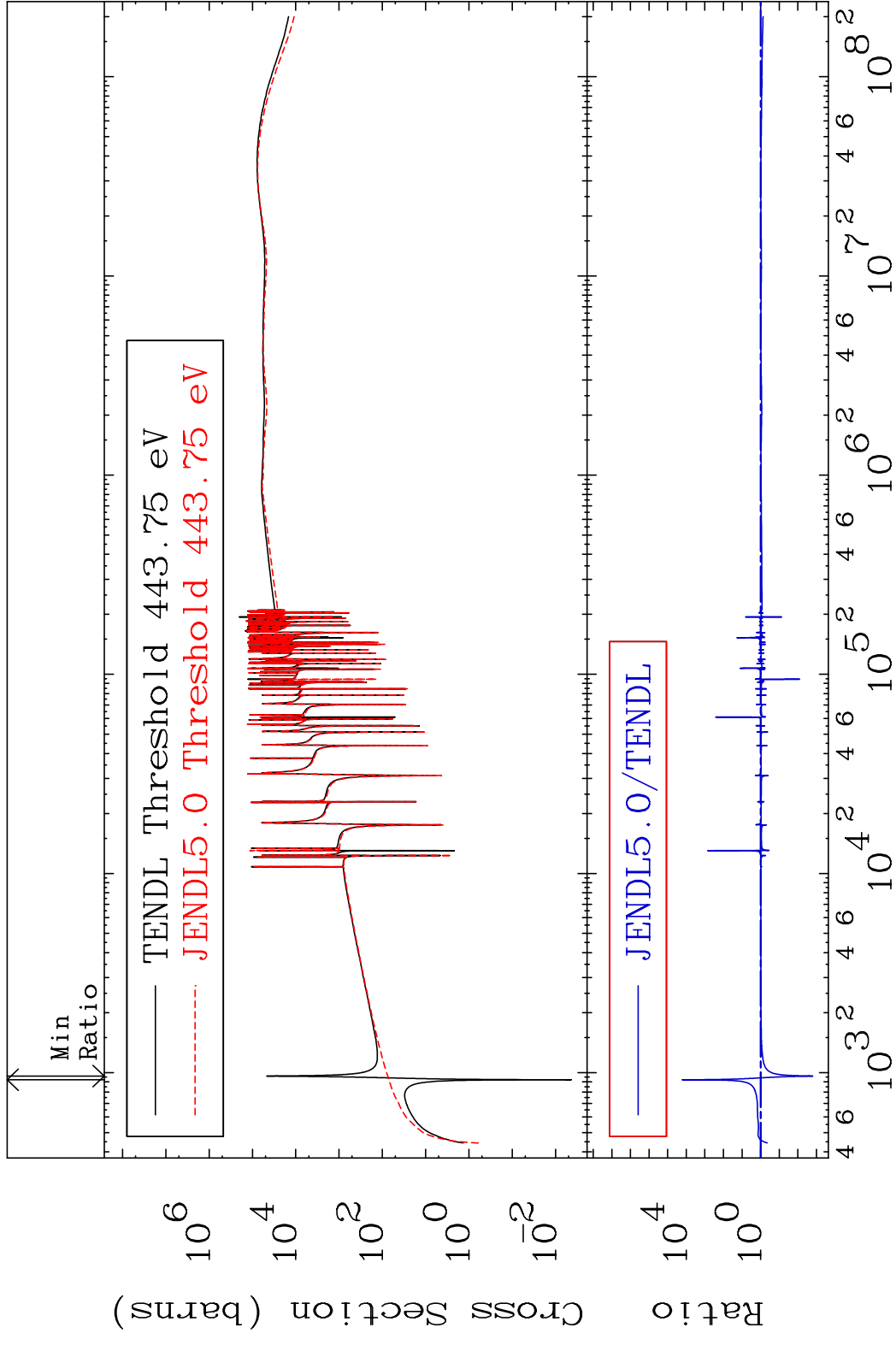
45      Incident Energy (eV)      30-Zn-70

MAT 3043

Dpa elastic (mt2)

30-Zn-70

Cross Section -99.84 To 9999. %

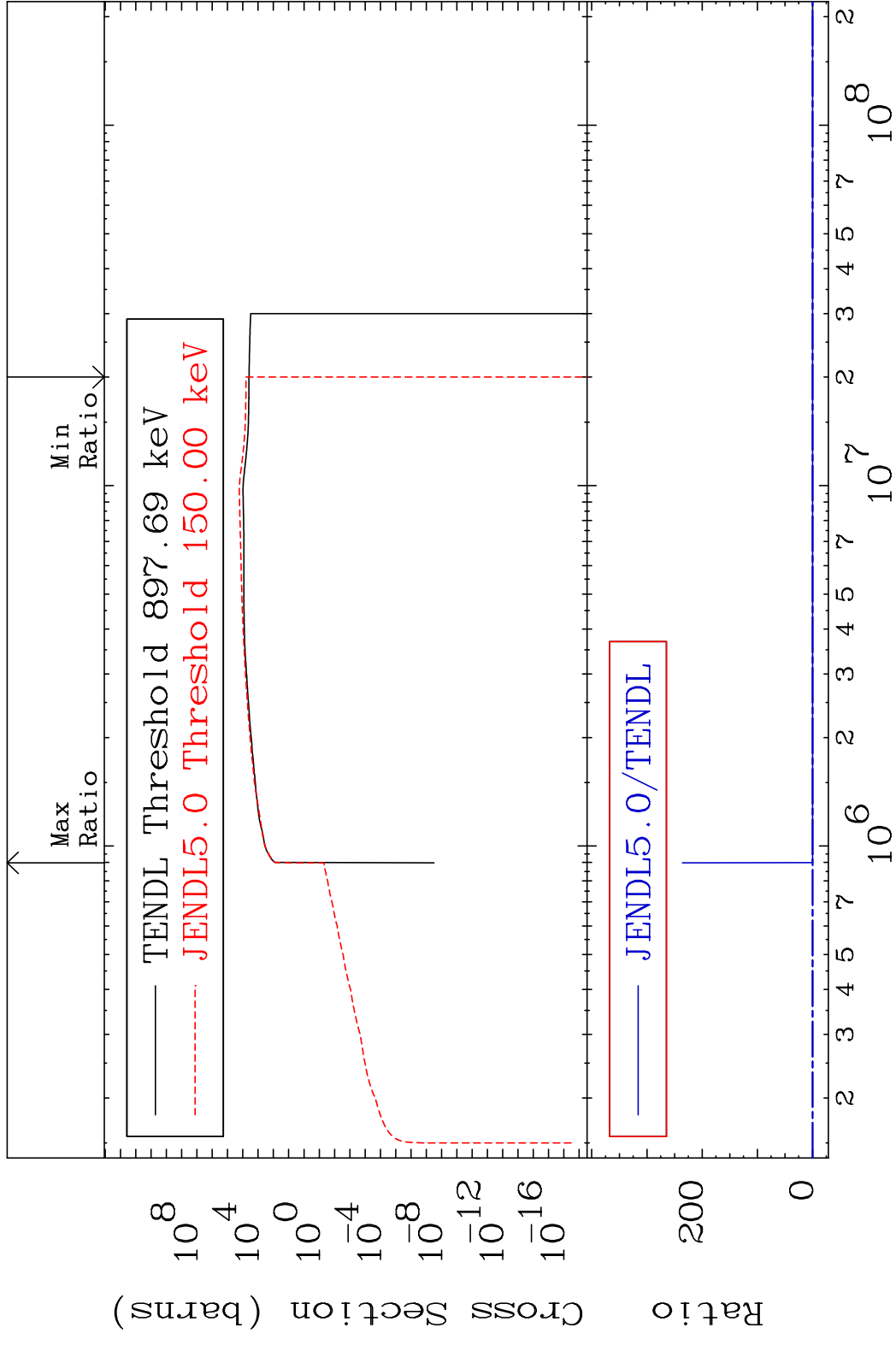


46

Incident Energy (eV)

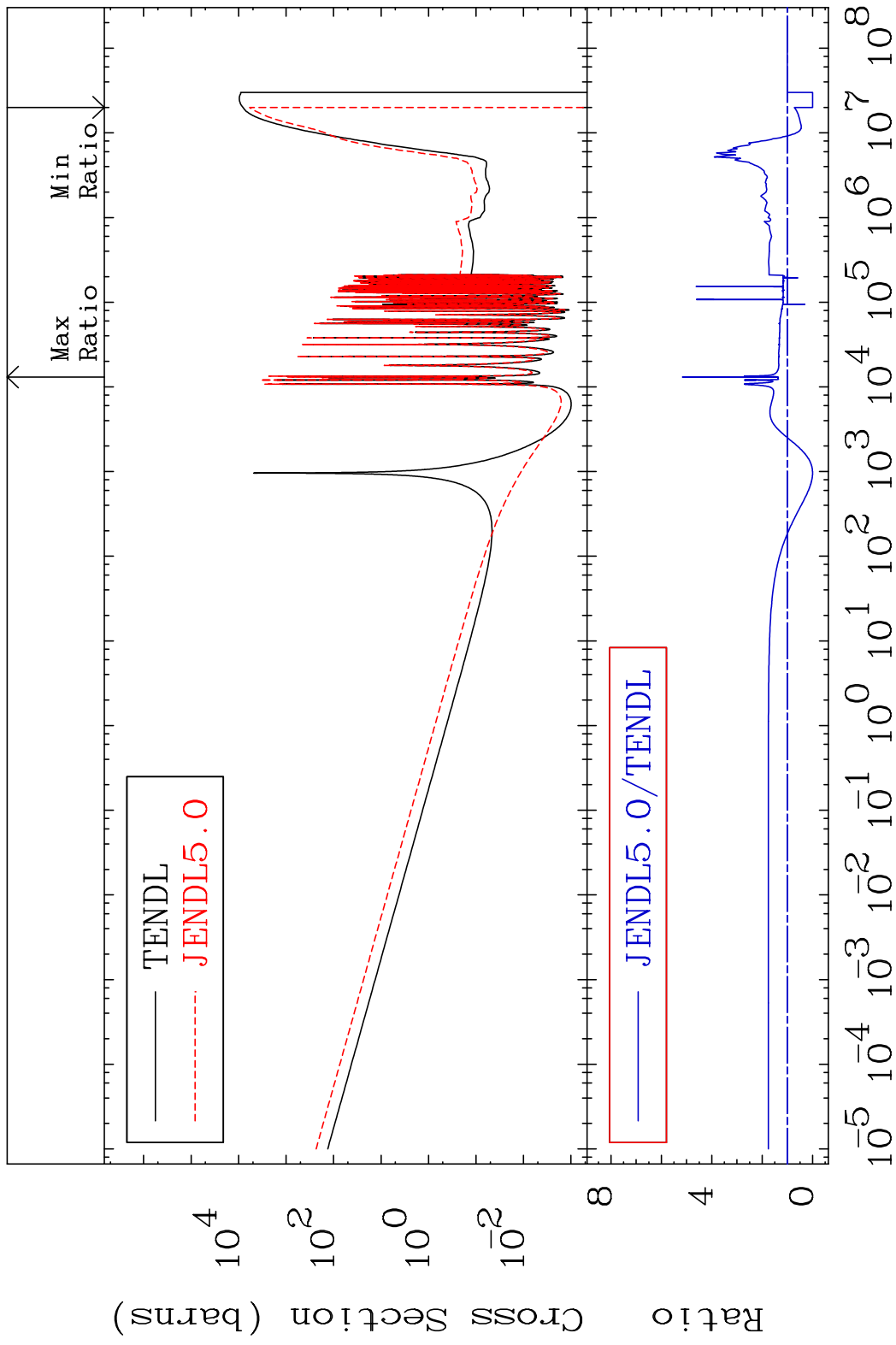
30-Zn-70

MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70  
 Cross Section -100.0 To 9999. %

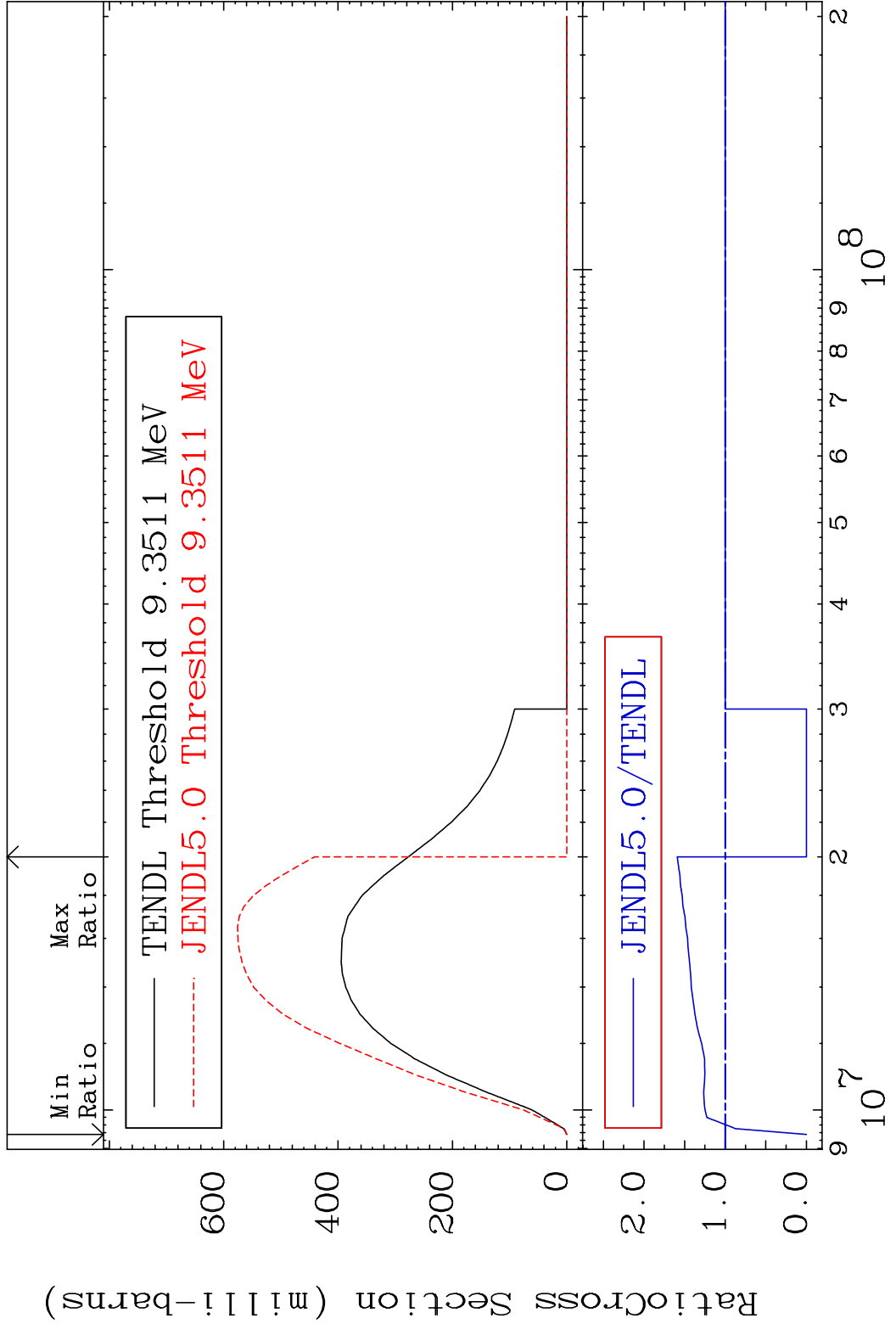




MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70  
 Cross Section -100.0 To 416.7 %

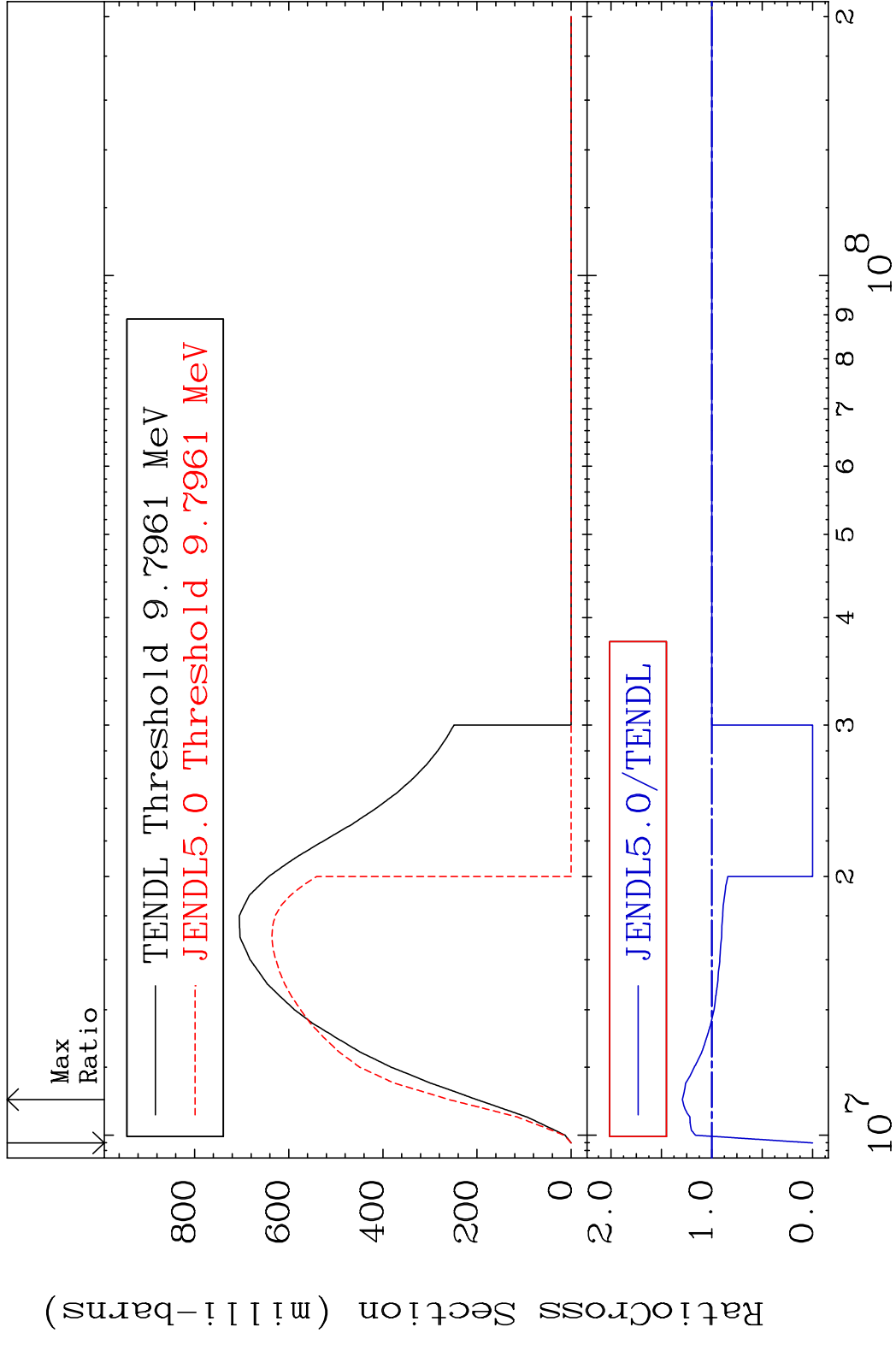


MAT 3043 (n,2n):30-Zn-69g 30-Zn-70  
 Radionuclide Production Cross Section 59.12 %



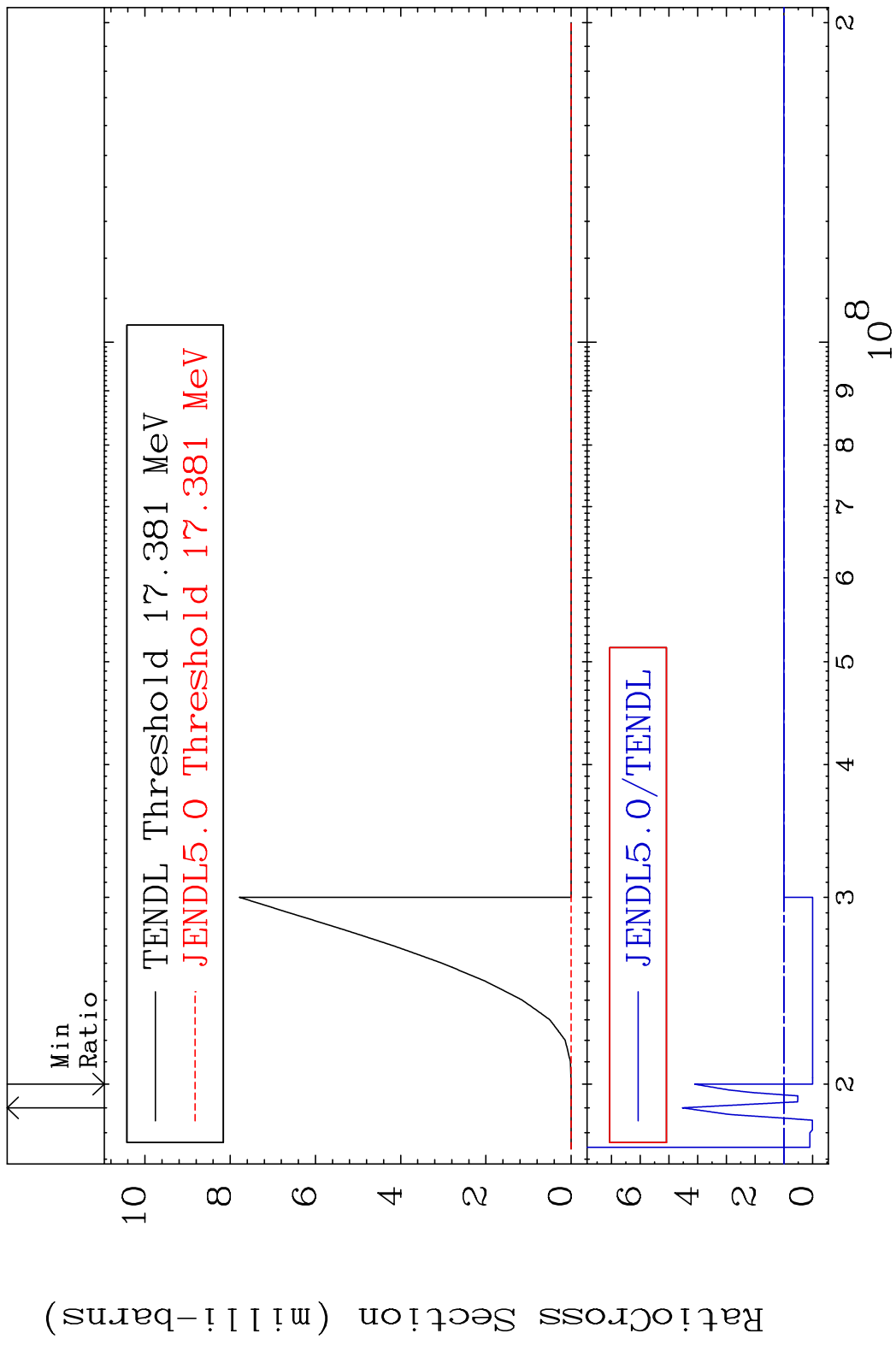
49 30-Zn-70

MAT 3043 (n,2n):30-Zn-69m1 30-Zn-70  
 Radionuclide Production Cross Section Ratio 29.23 %

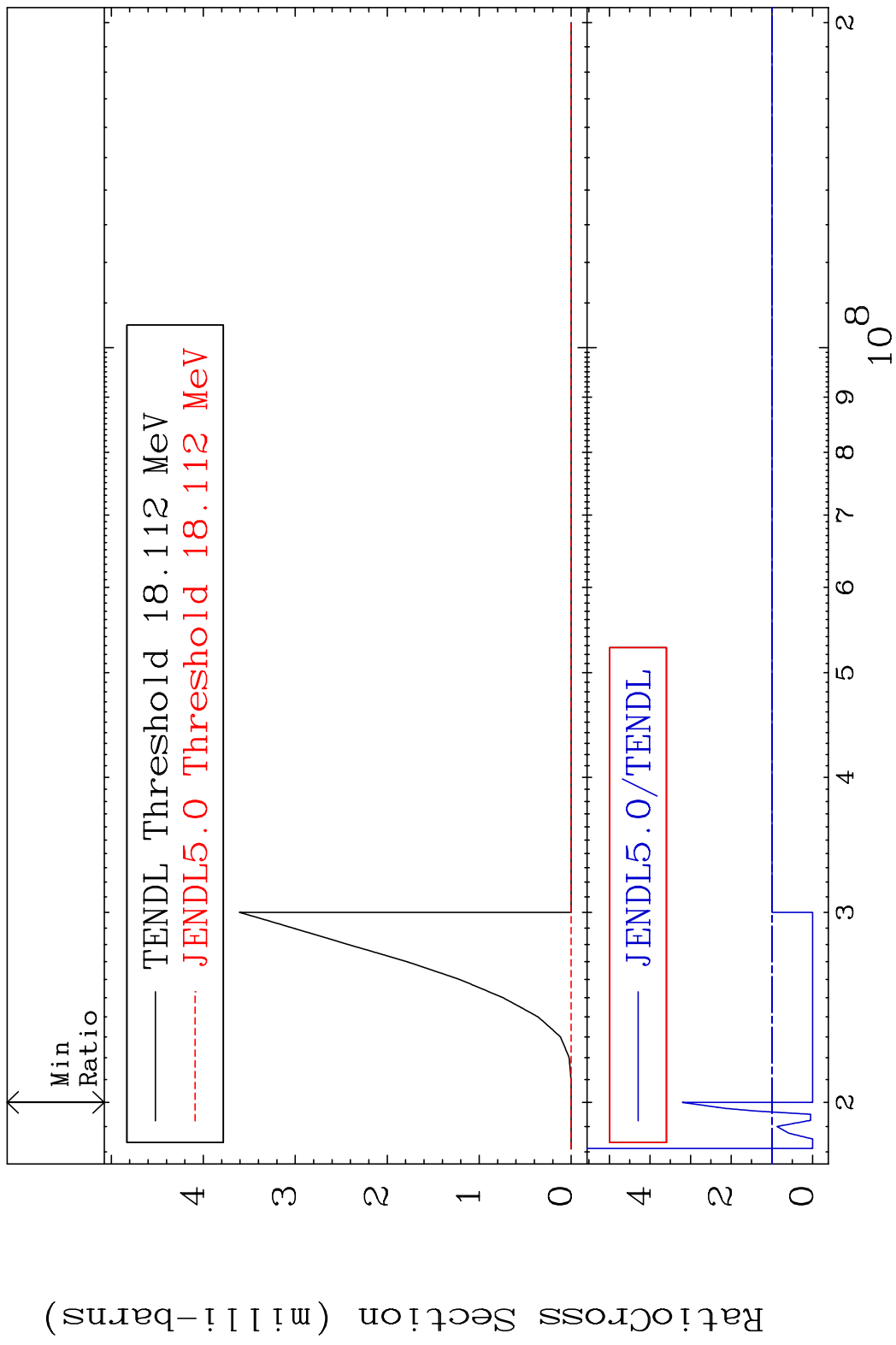


50 Incident Energy (eV) 30-Zn-70

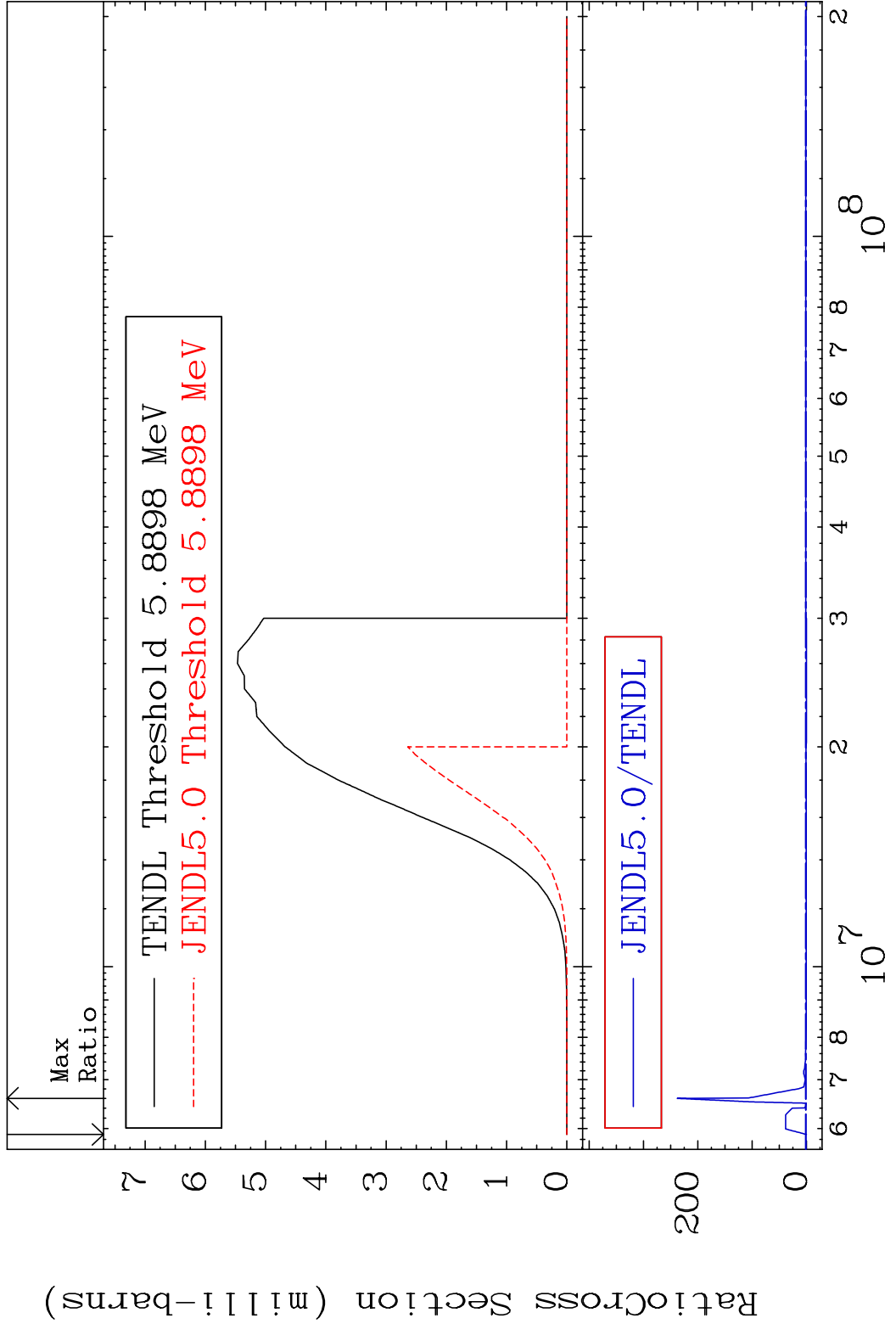
MAT 3043 (n, n') d:29-Cu-68g 30-Zn-70  
 Radionuclide Production Cross Section 180c01.dfo 353.1 %



MAT 3043 (n, n') d:29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section 18.112 MeV 220.3 %

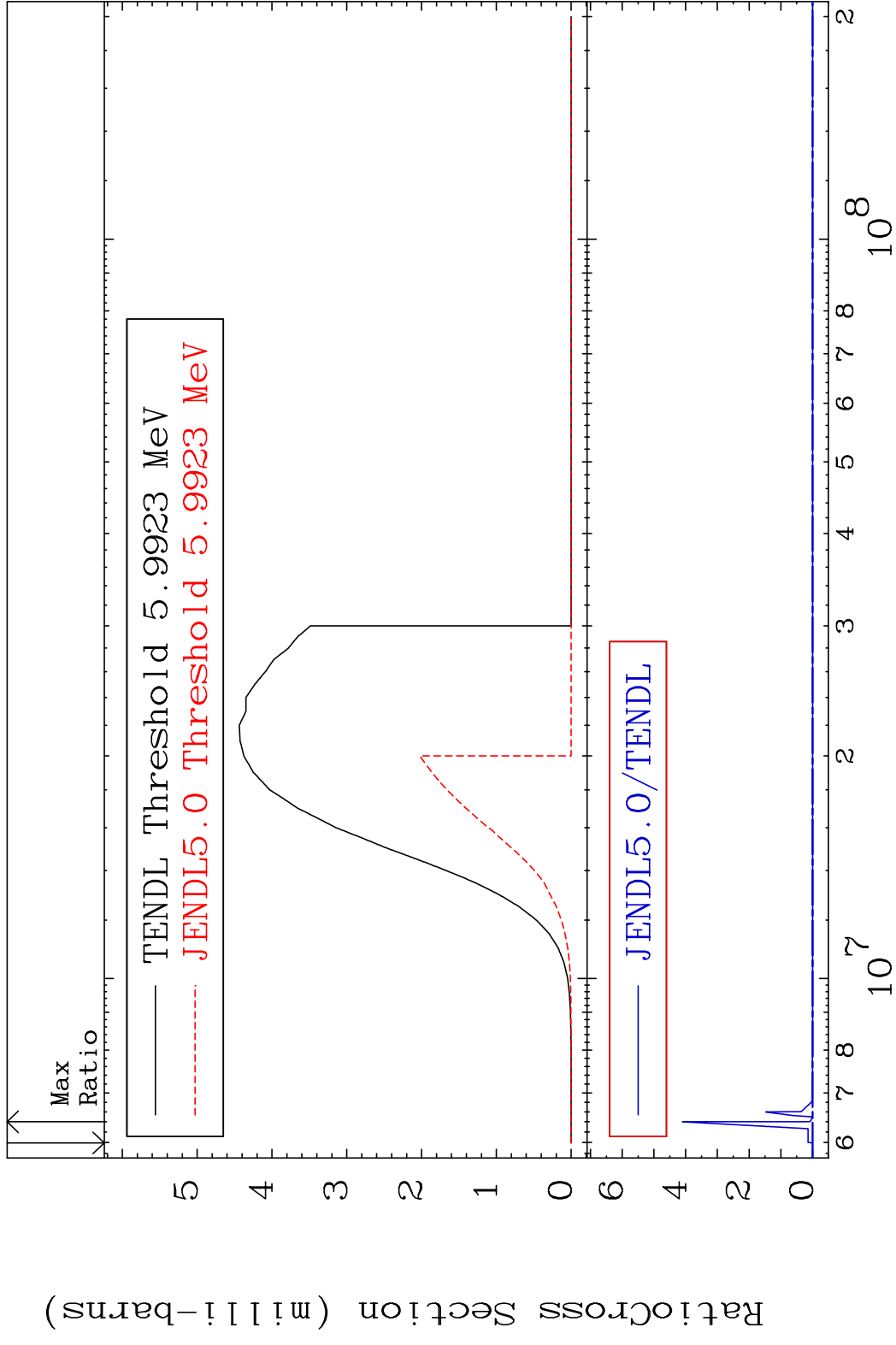


MAT 3043 (n, p) : 29-Cu-70g 30-Zn-70  
 Radionuclide Production Cross Section Ratio

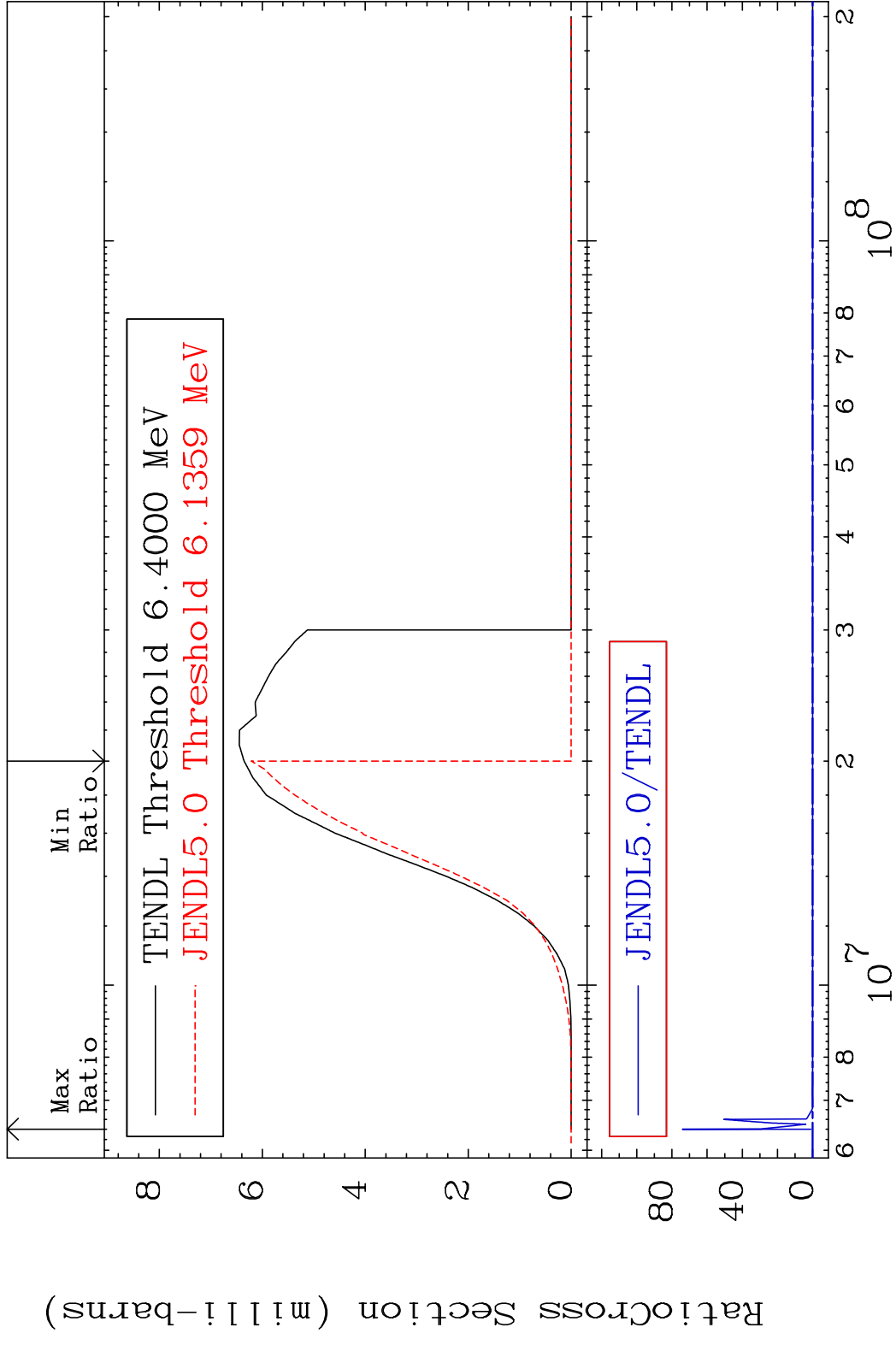


53 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,p):29-Cu-70m1 30-Zn-70  
 Radionuclide Production Cross Section Ratio 9999. %

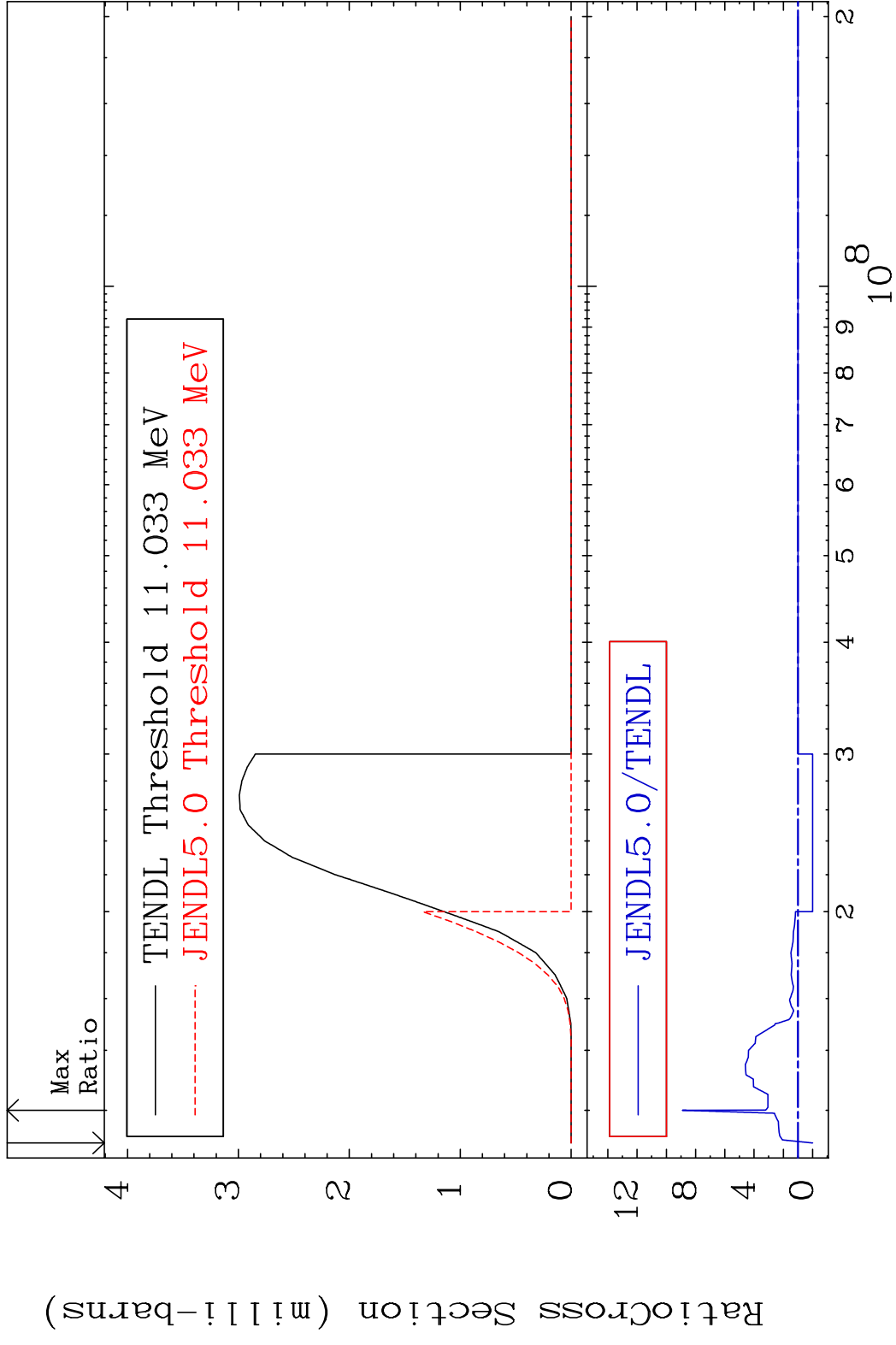


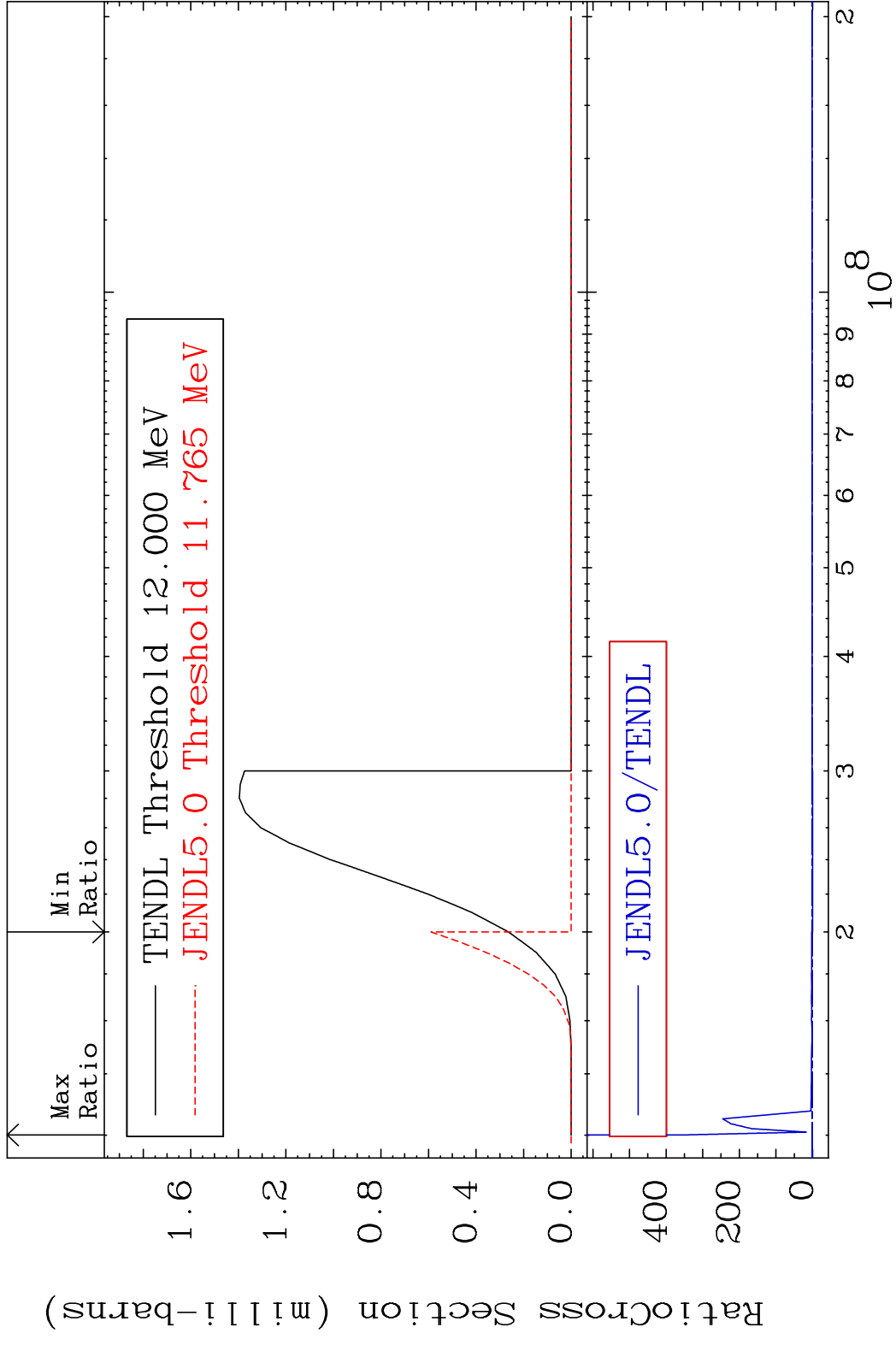
MAT 3043 (n,p):29-Cu-70m3 30-Zn-70  
 Radionuclide Production Cross Section Ratio 9999. %



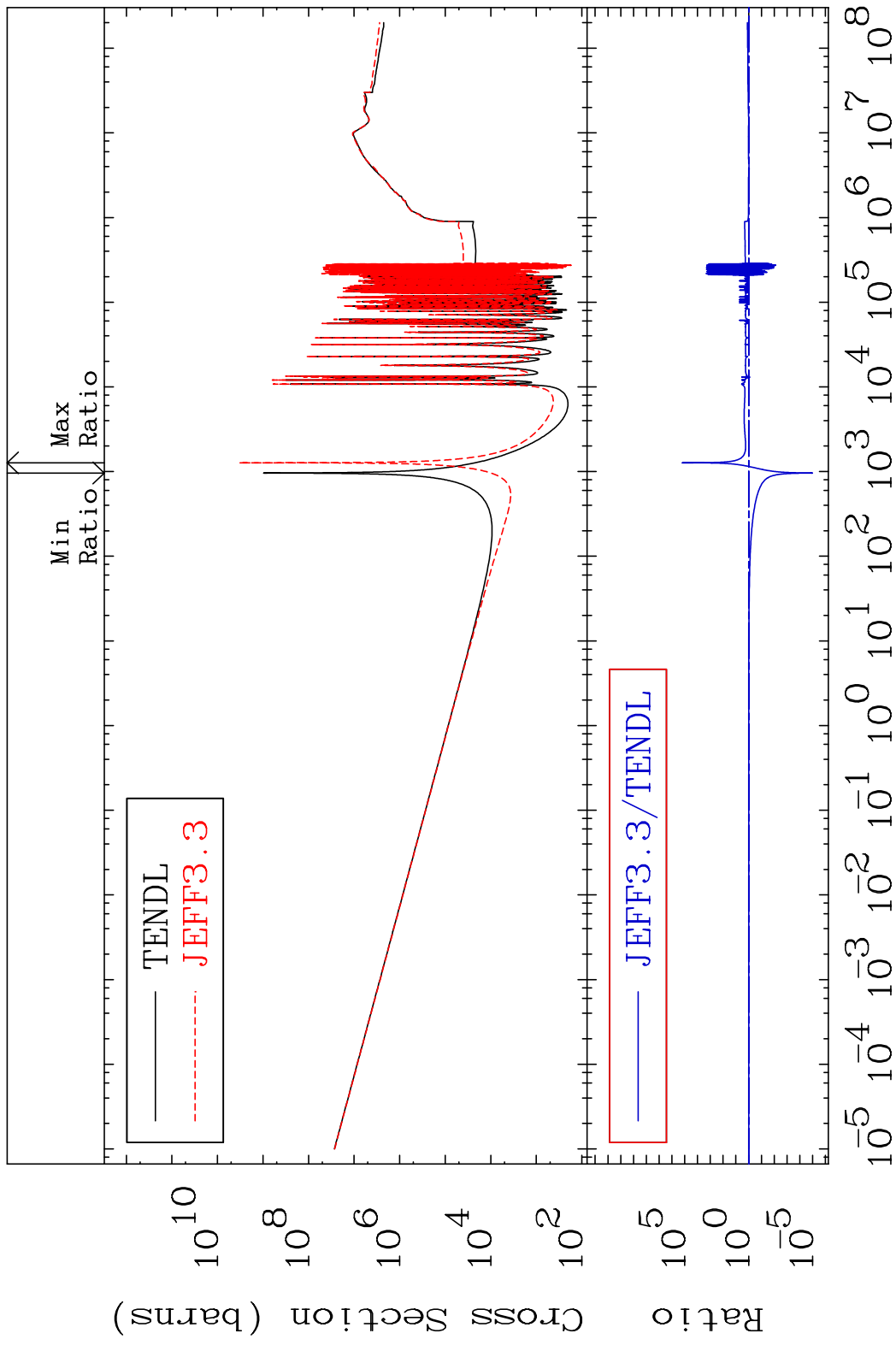


MAT 3043 (n, t):29-Cu-68g 30-Zn-70  
 Radionuclide Production Cross Section Ratio 790.4 %



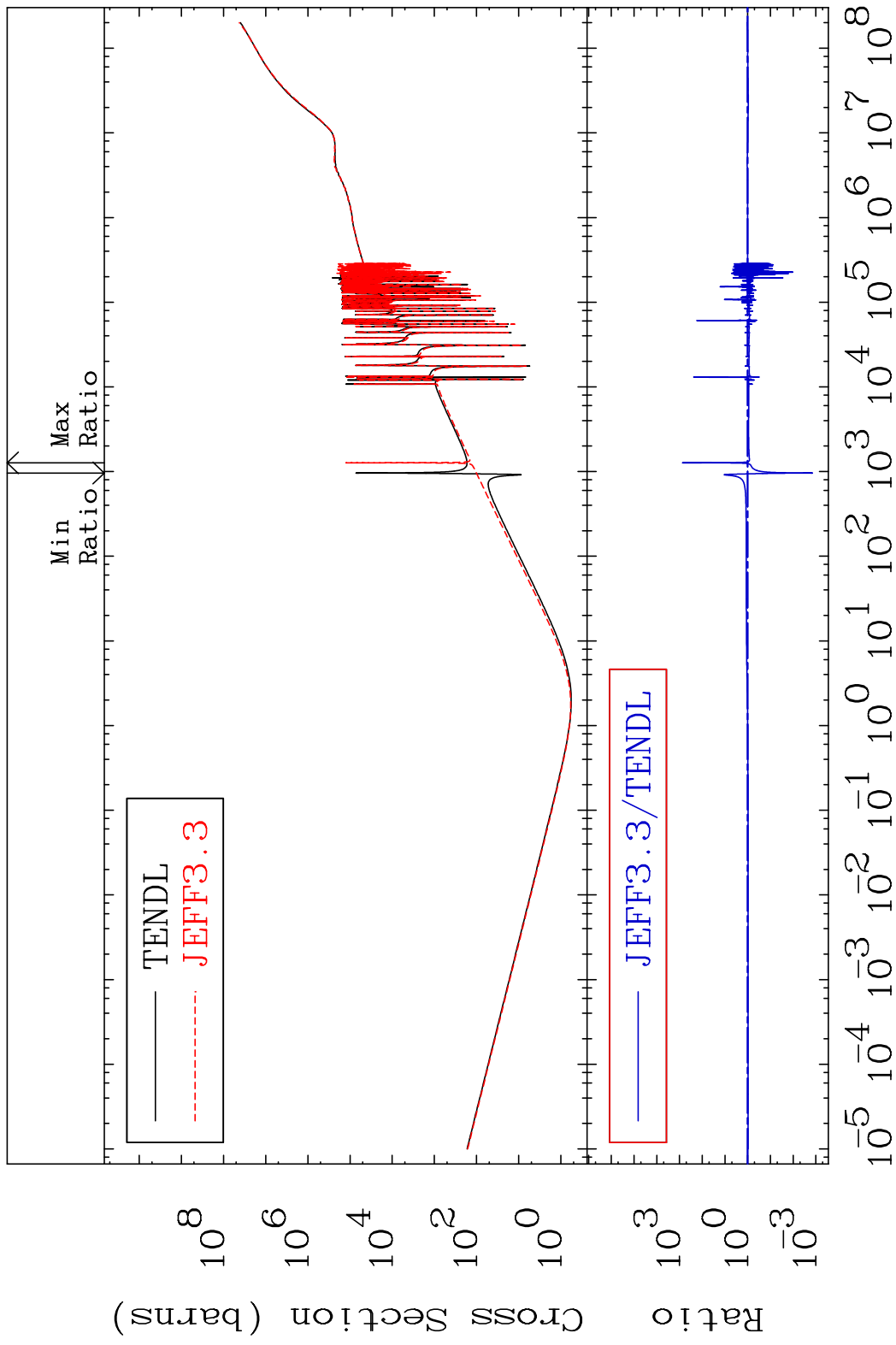


MAT 3043 Total photon (eV-barns) 30-Zn-70  
 Cross Section -100.0 To 9999. %

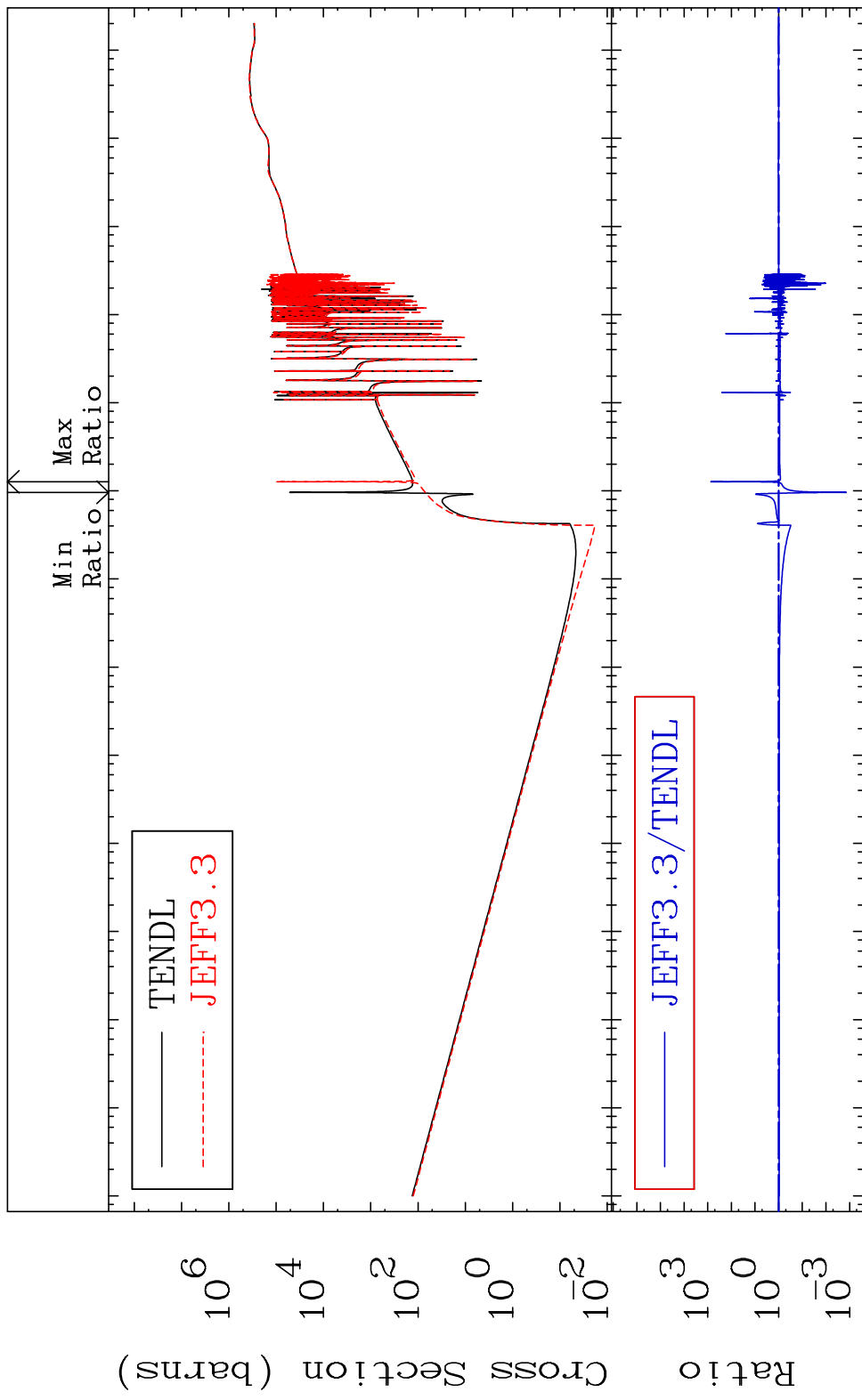


58 Incident Energy (eV) 30-Zn-70

MAT 3043 Total kinematic kerma (high limit) 30-Zn-70  
 Cross Section -99.86 To 9999. %



MAT 3043      Dpa total (eV-barns)      30-Zn-70  
 Cross Section      -99.86 To 9999. %



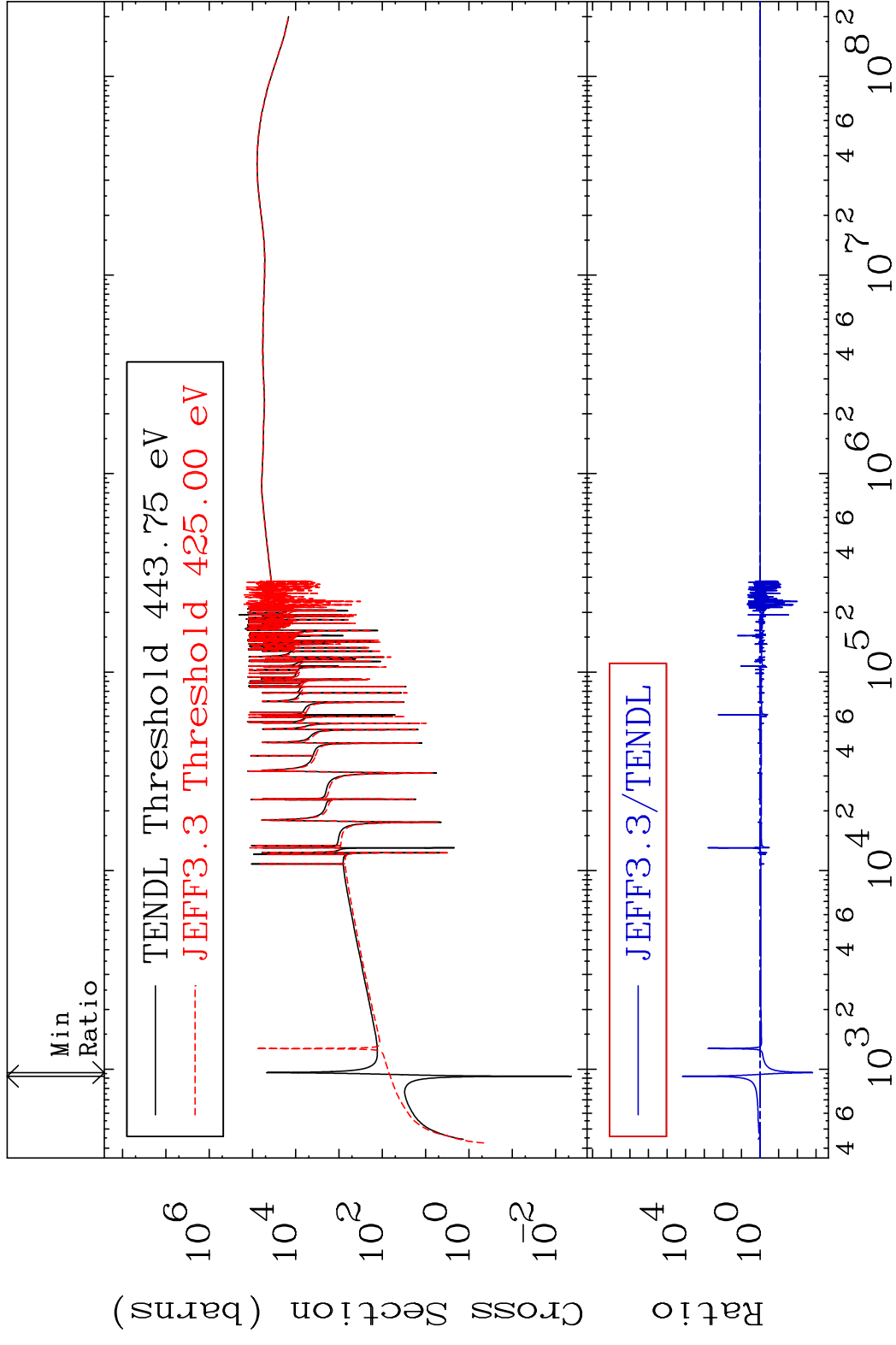
60      Incident Energy (eV)      30-Zn-70

MAT 3043

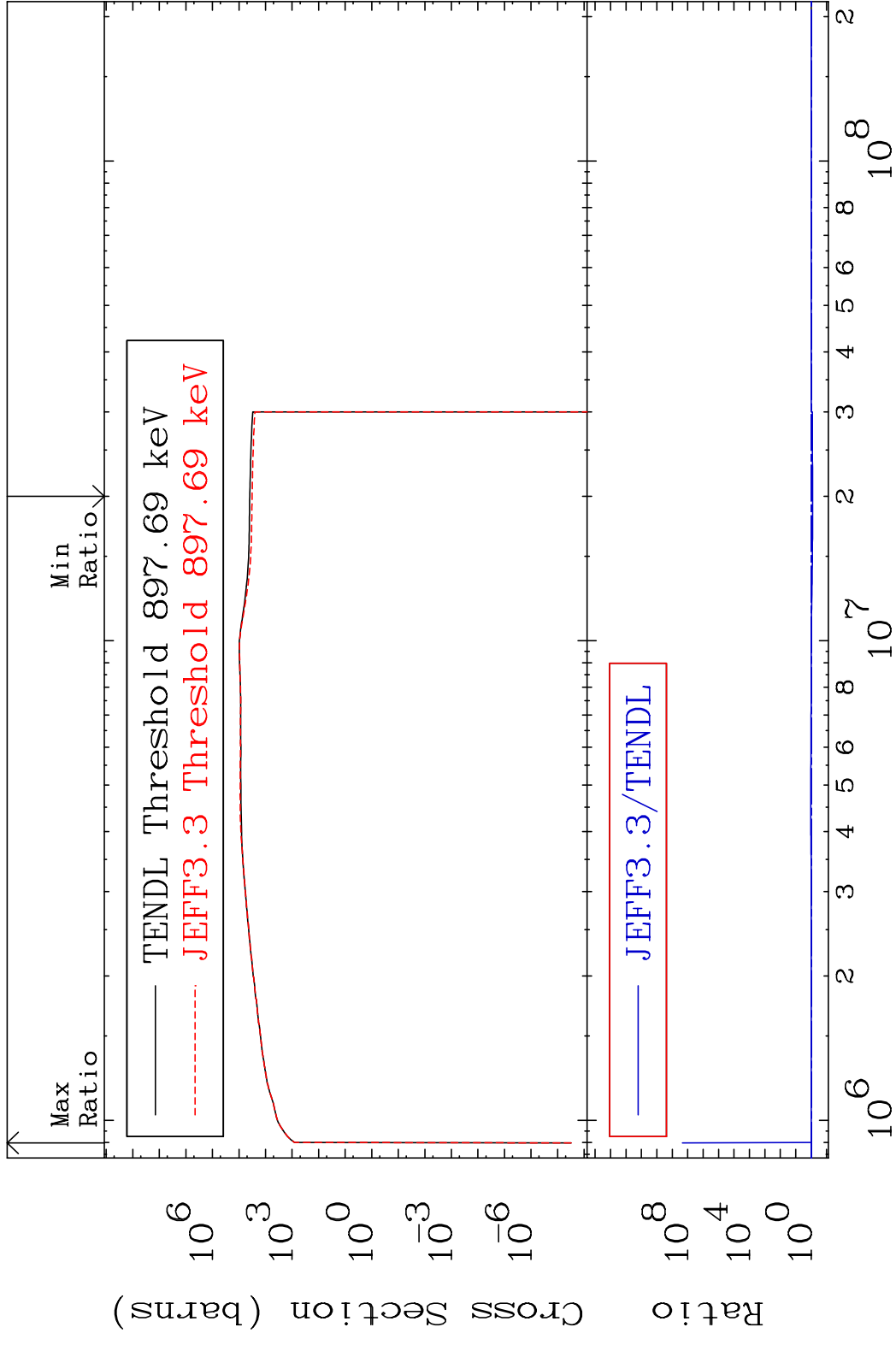
Dpa elastic (mt2)

30-Zn-70

Cross Section -99.85 To 9999. %

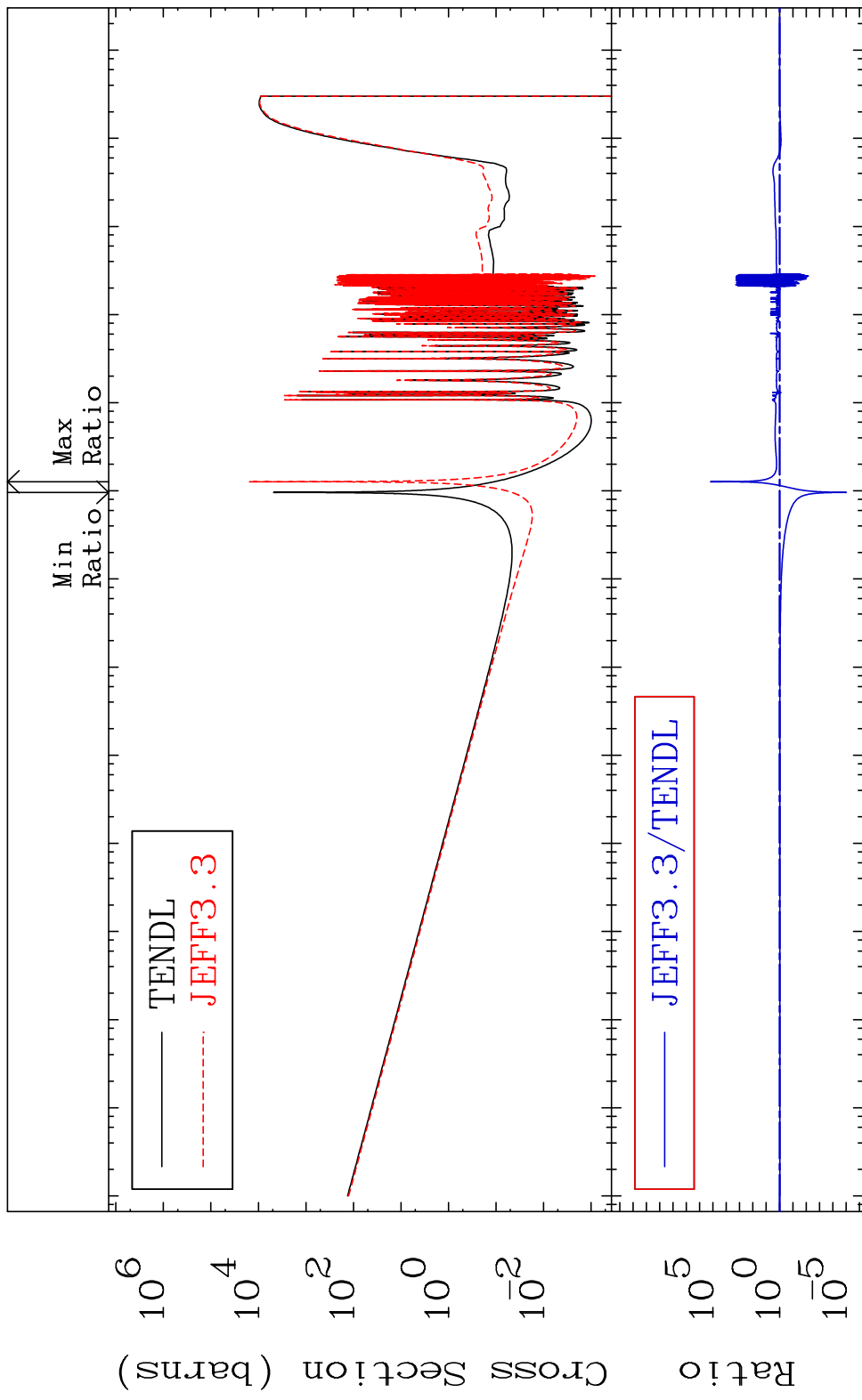


MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70  
 Cross Section -18.64 To 9999. %



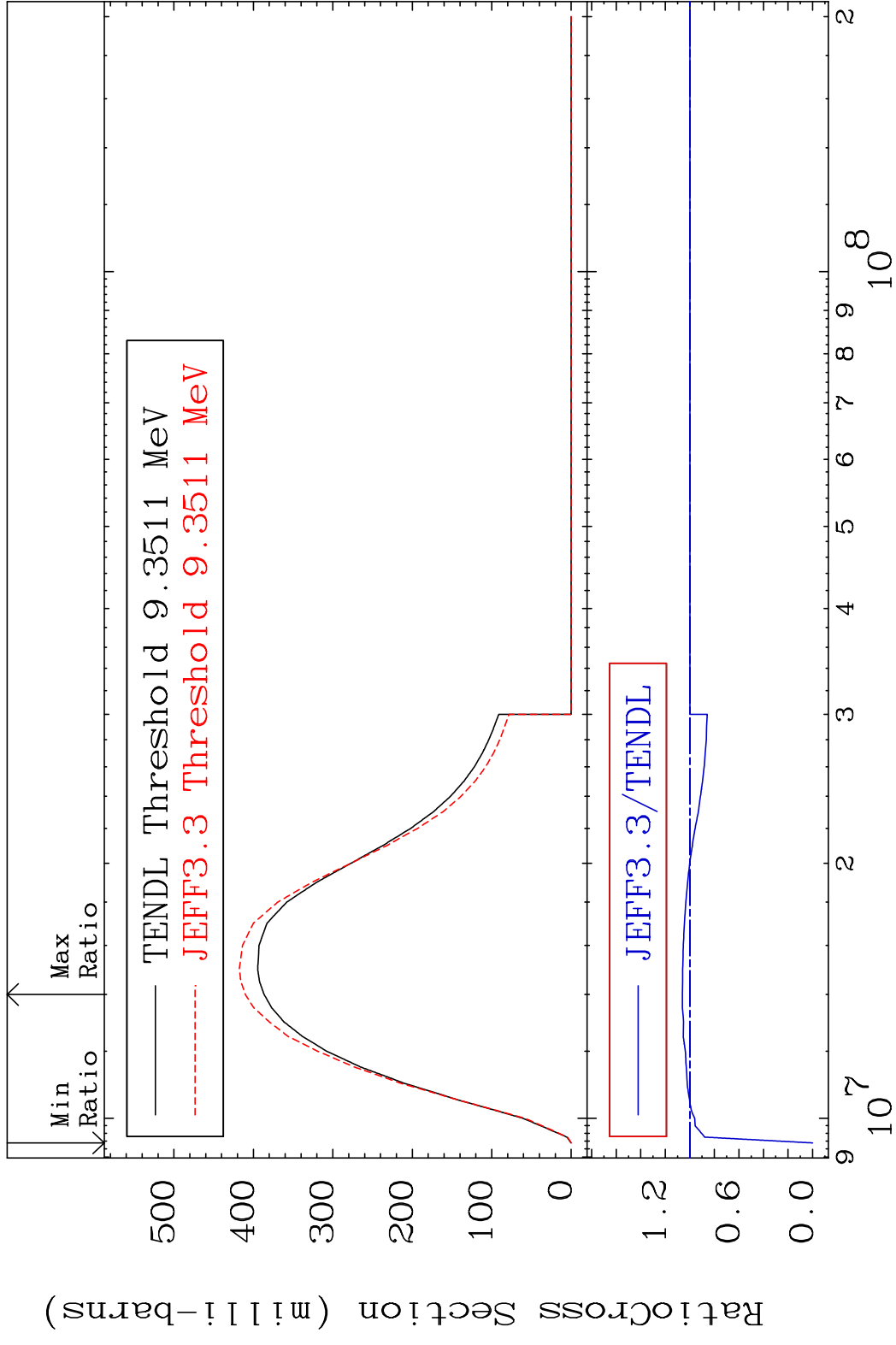
62 Incident Energy (eV) 30-Zn-70

MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70  
 Cross Section -100.0 To 9999. %



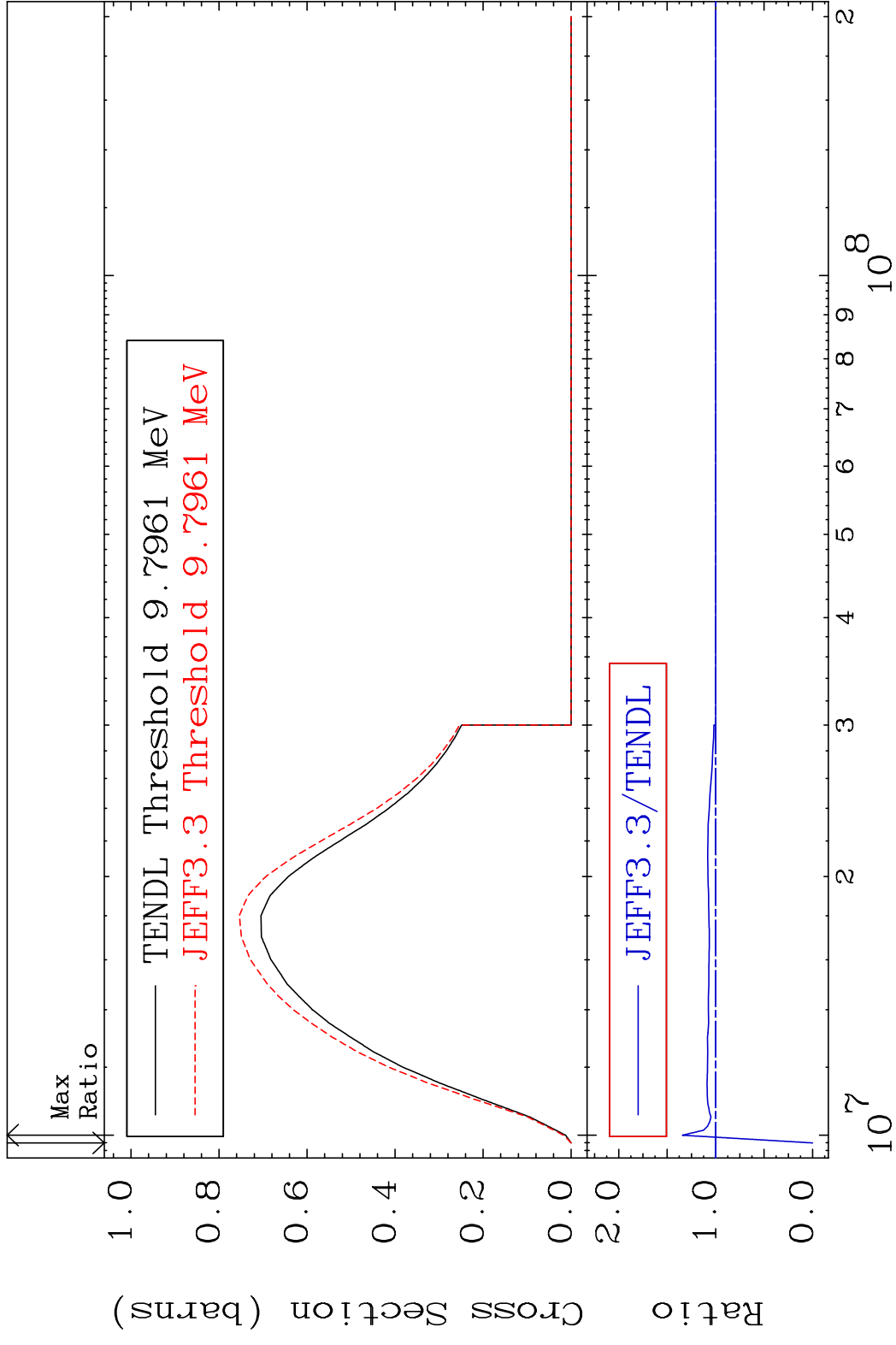


MAT 3043 (n,2n):30-Zn-69g 30-Zn-70  
 Radionuclide Production Cross Section Ratio 6.092 %

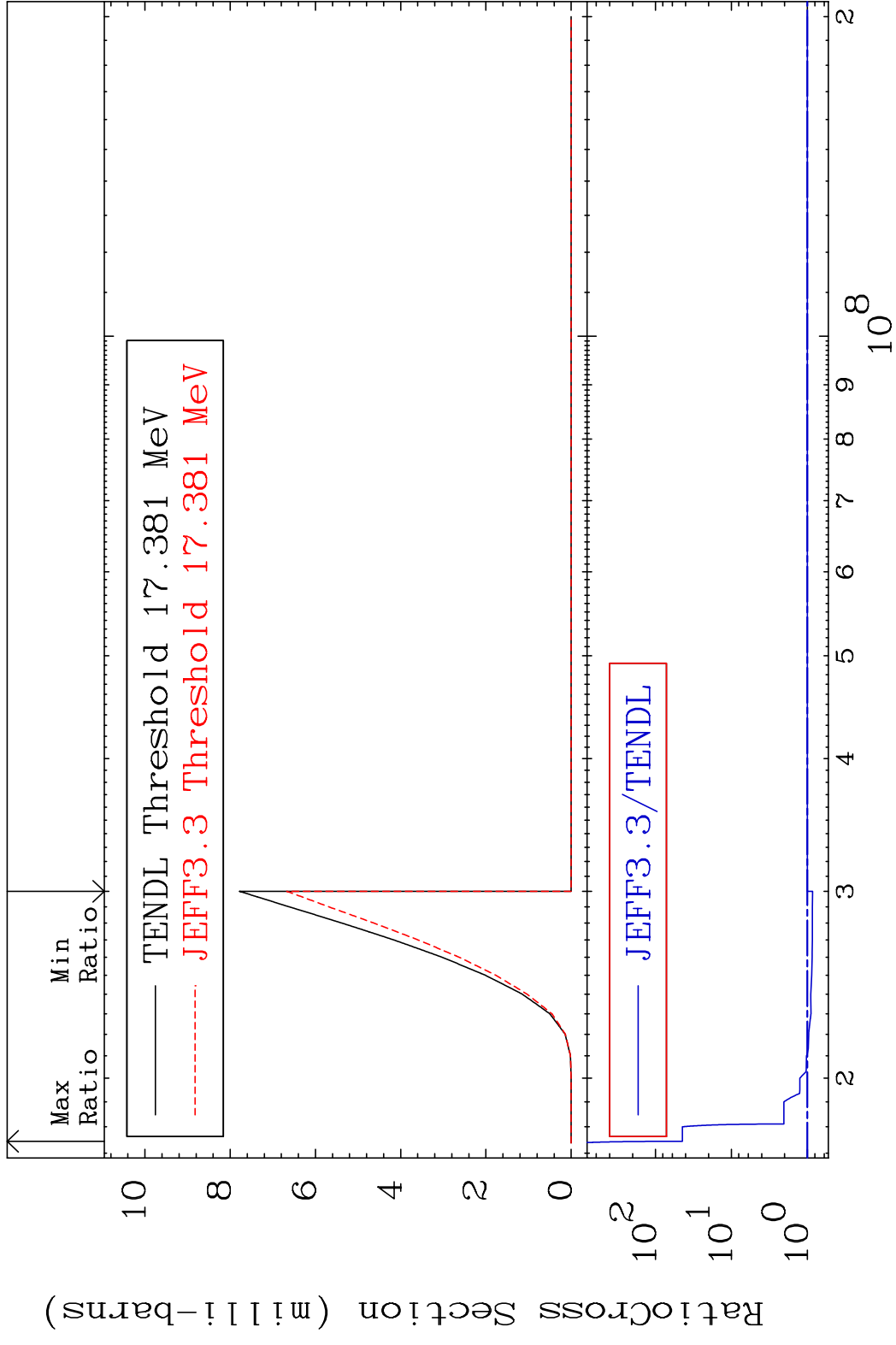


64 Incident Energy (eV) 30-Zn-70

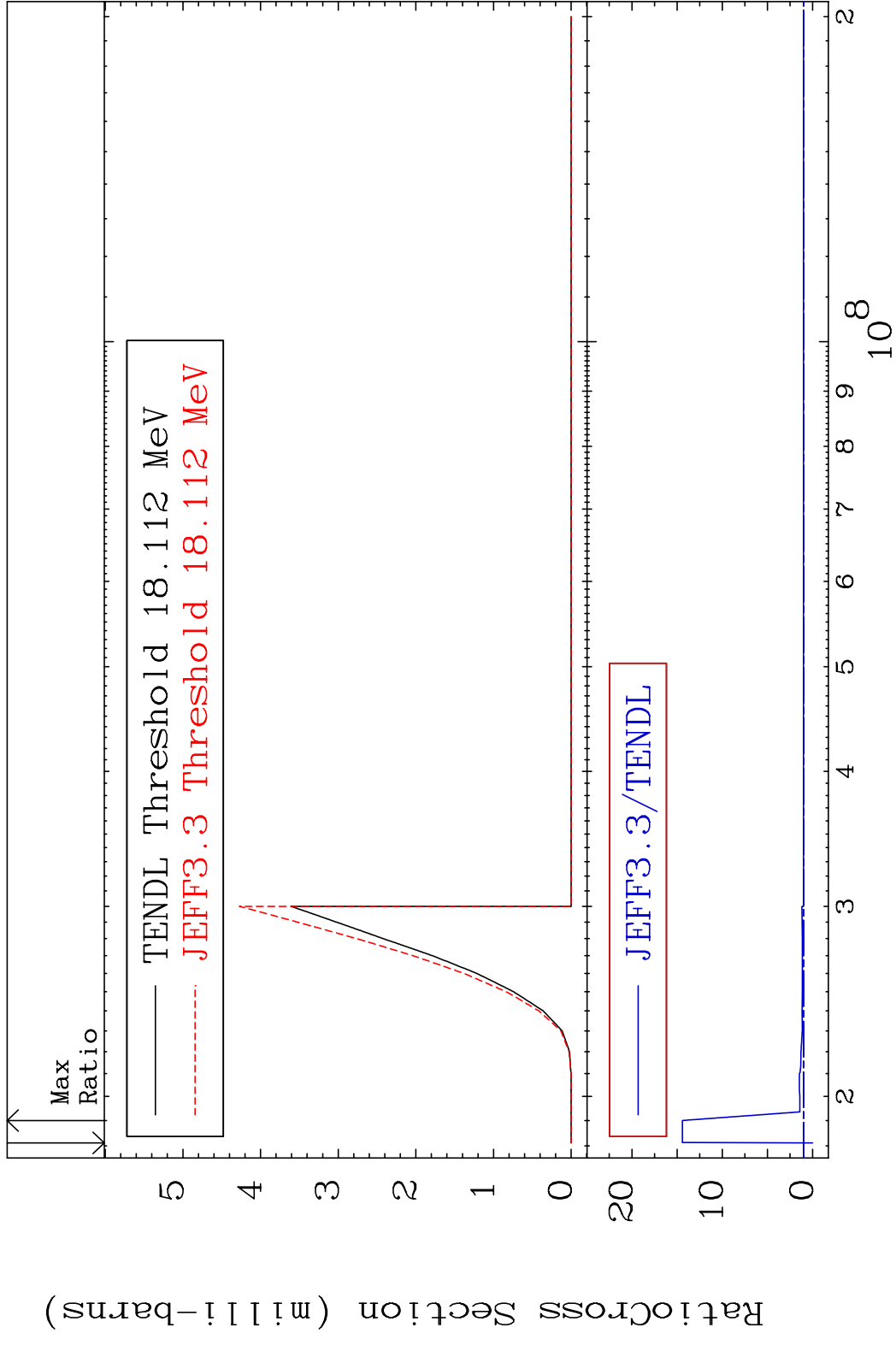
MAT 3043 (n,2n):30-Zn-69m1 30-Zn-70  
 Radionuclide Production Cross Section Ratio 34.35 %

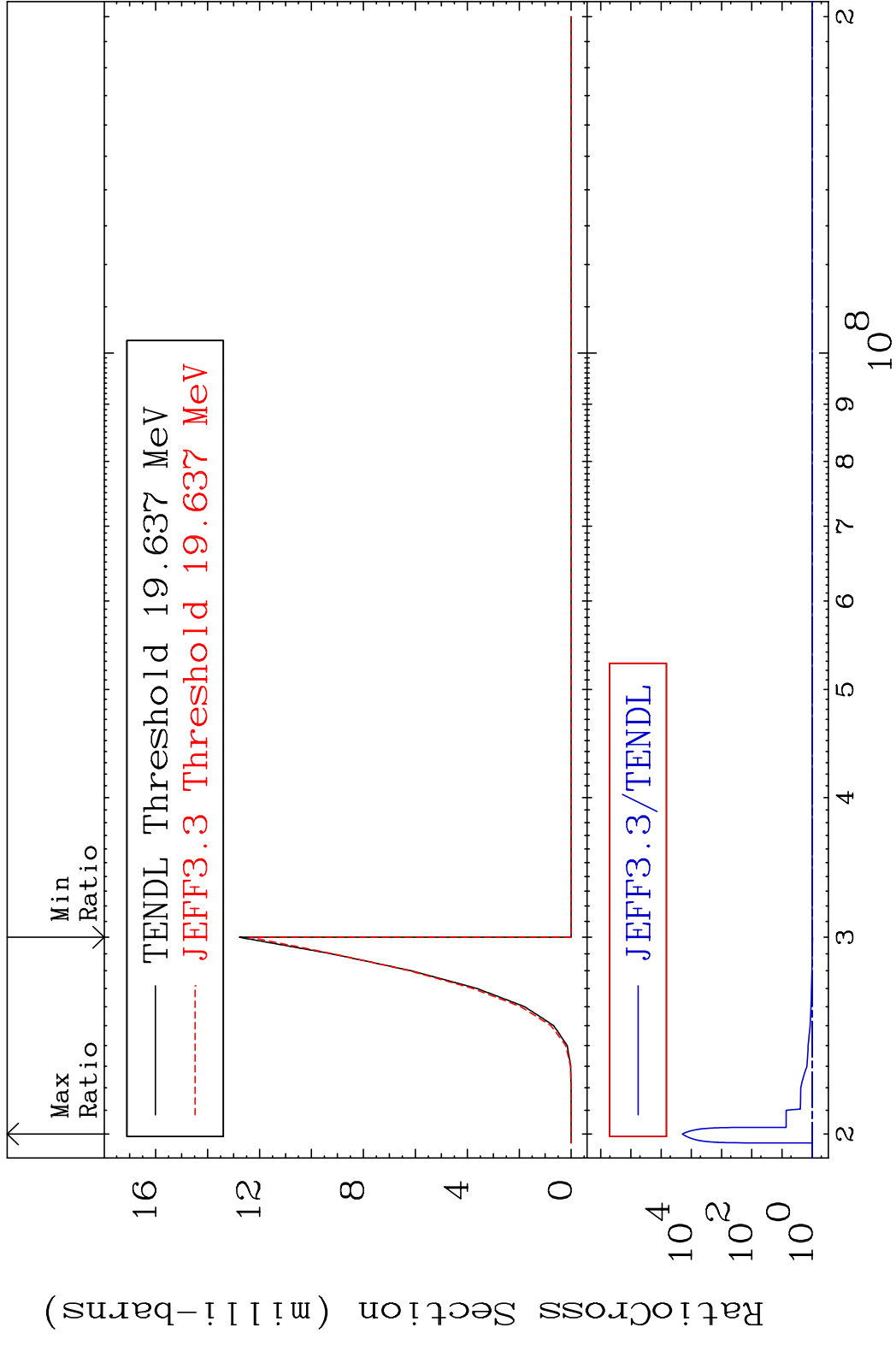


65 Incident Energy (eV) 30-Zn-70

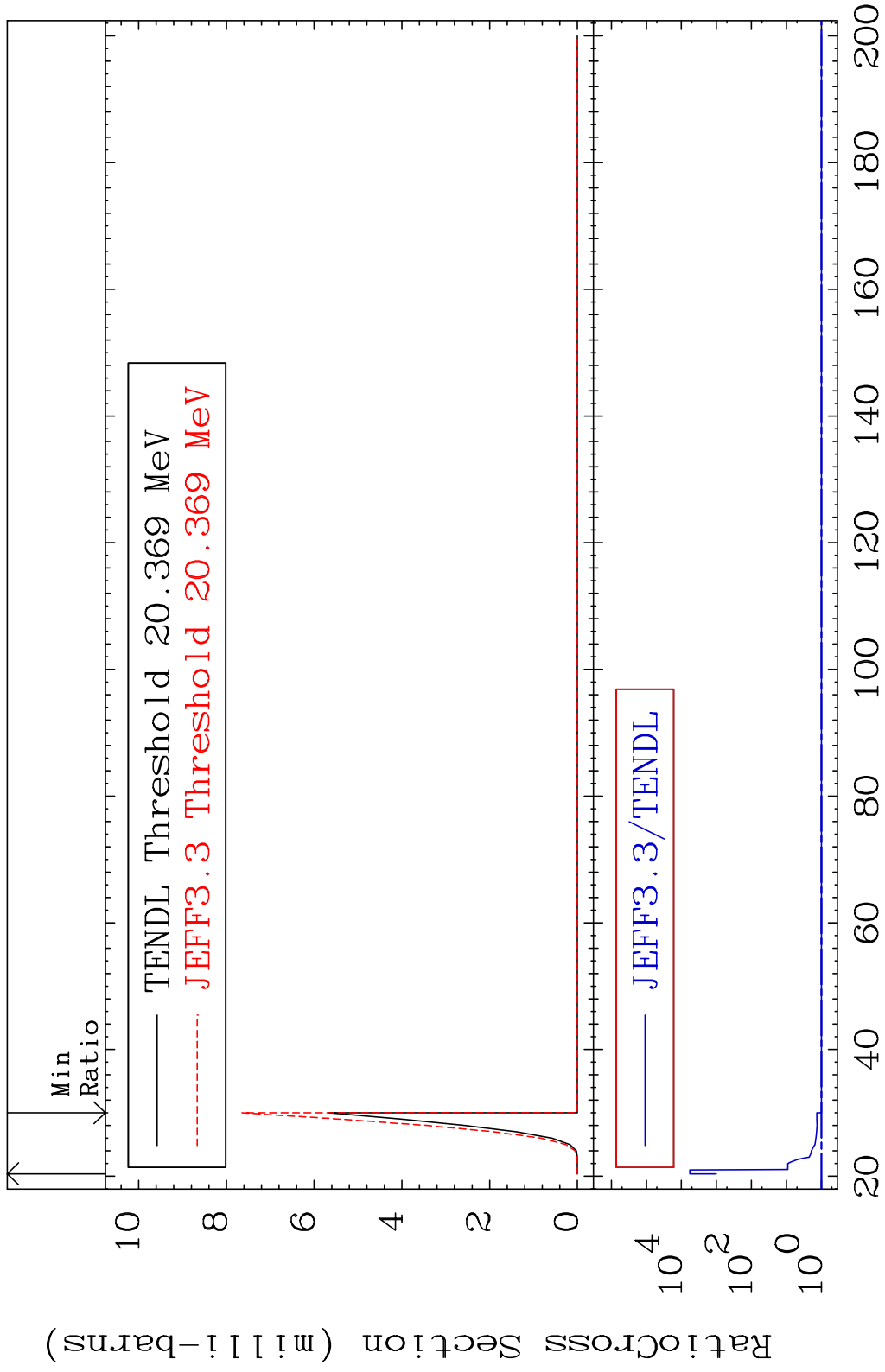


MAT 3043 (n, n') d:29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section 1341. %

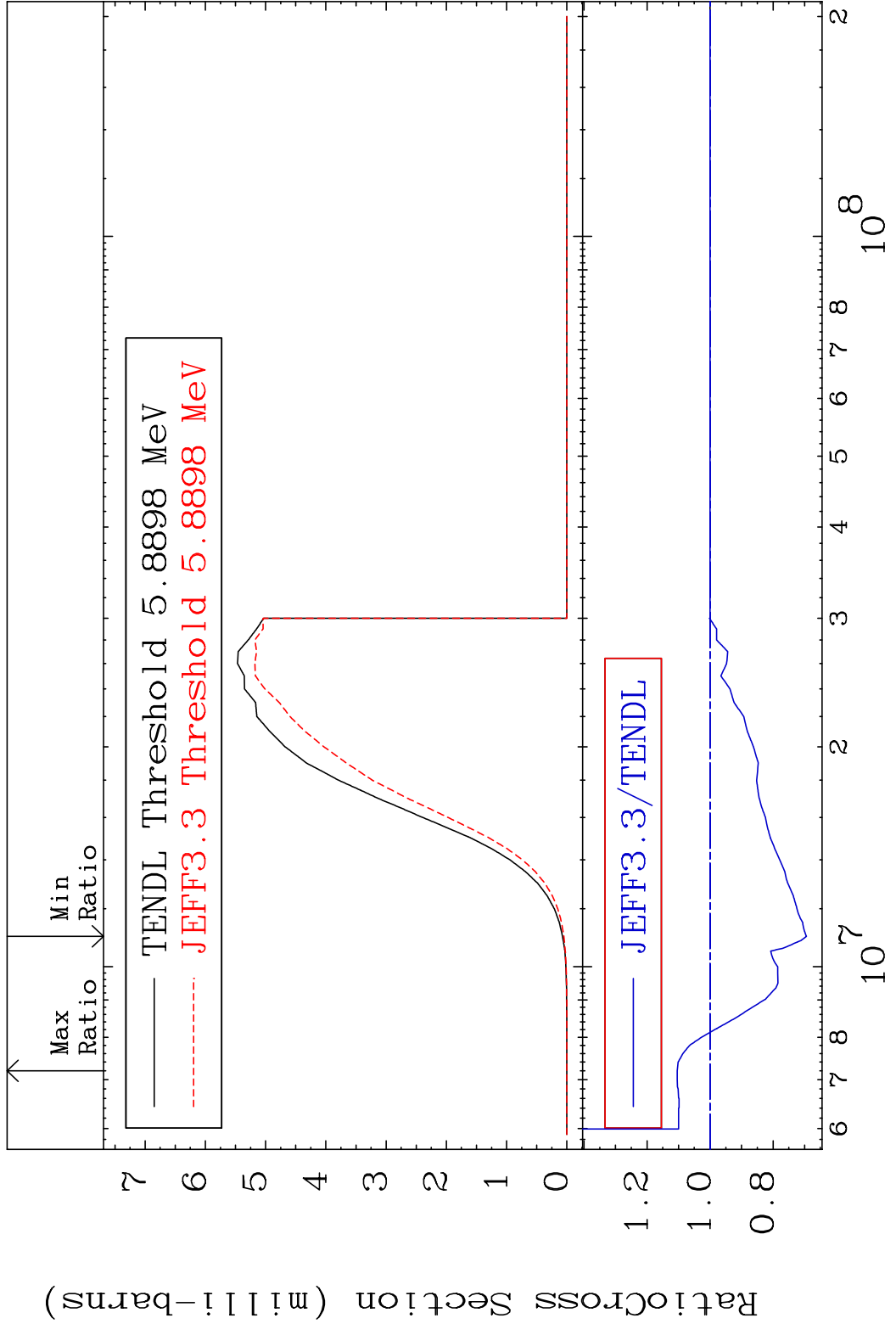




MAT 3043 (n,2n) p:29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section 9999. %

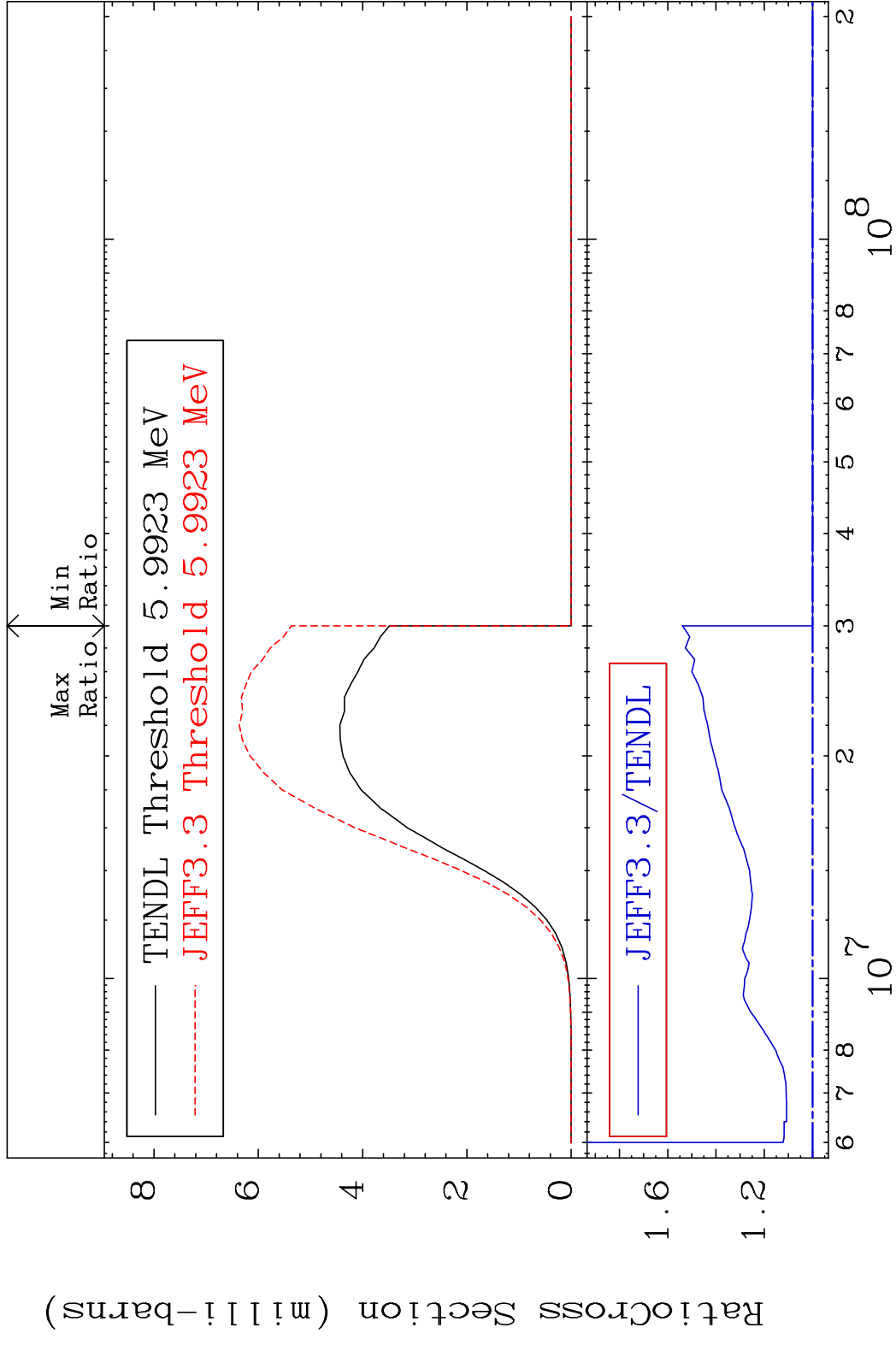


MAT 3043 (n, p) : 29-Cu-70g 30-Zn-70  
 Radionuclide Production Cross Section 10.43 %



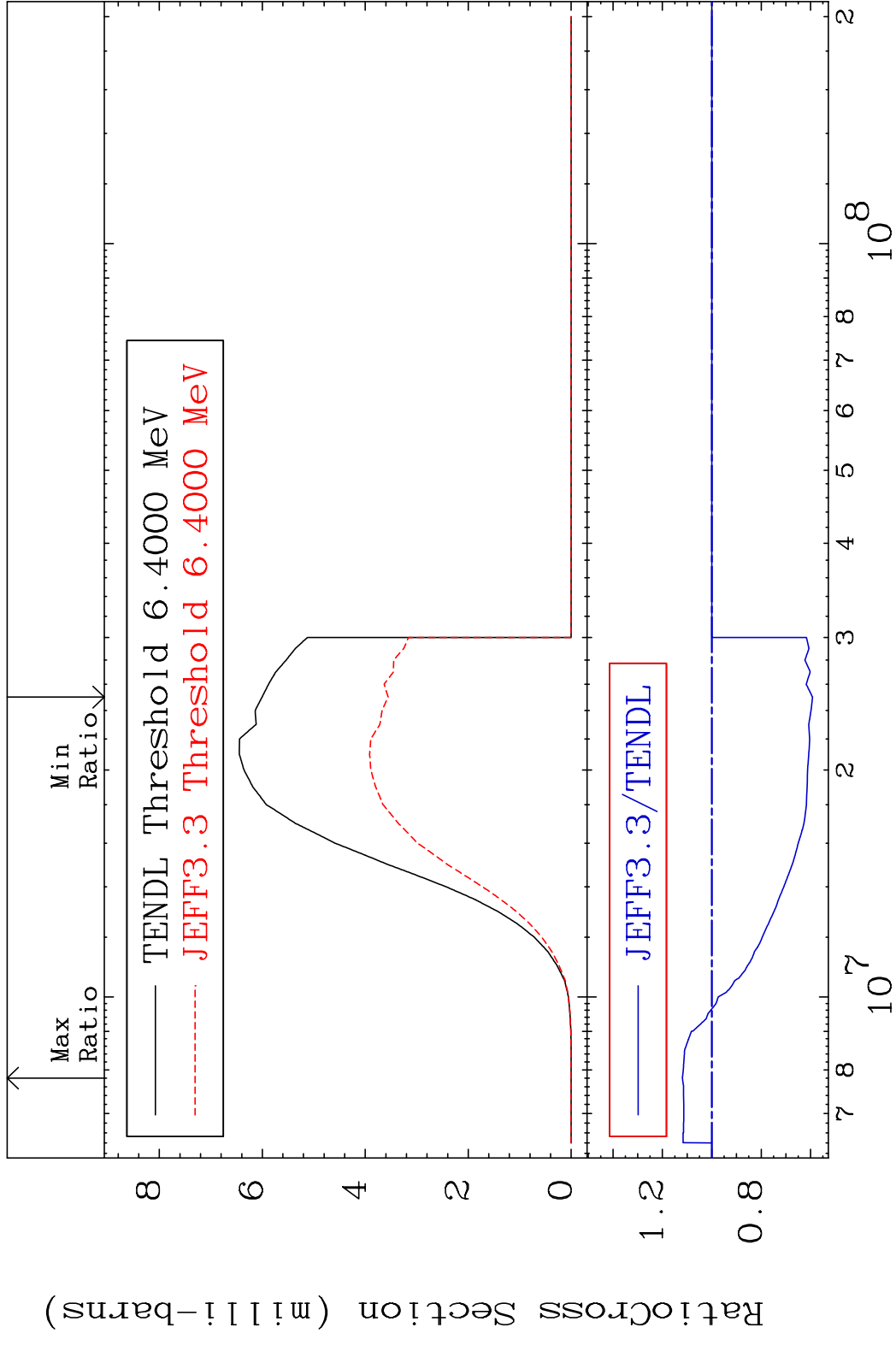
30-Zn-70

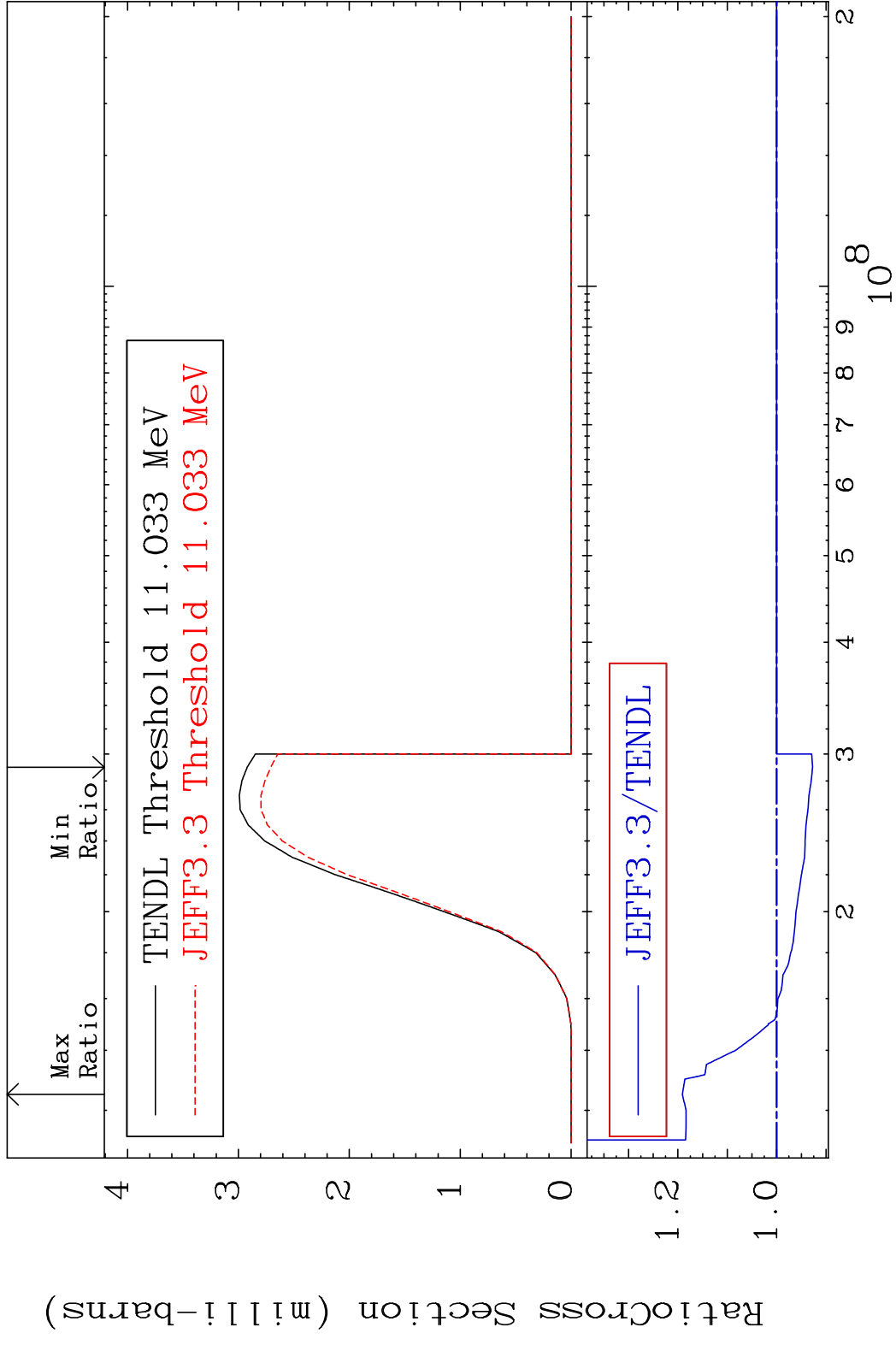
MAT 3043 (n,p):29-Cu-70m1 30-Zn-70  
 Radionuclide Production Cross Section 53.93 %





MAT 3043 (n,p):29-Cu-70m3 30-Zn-70  
 Radionuclide Production Cross Section 11.93 %





MAT 3043 (n,t):29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section 27.83 %

