

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

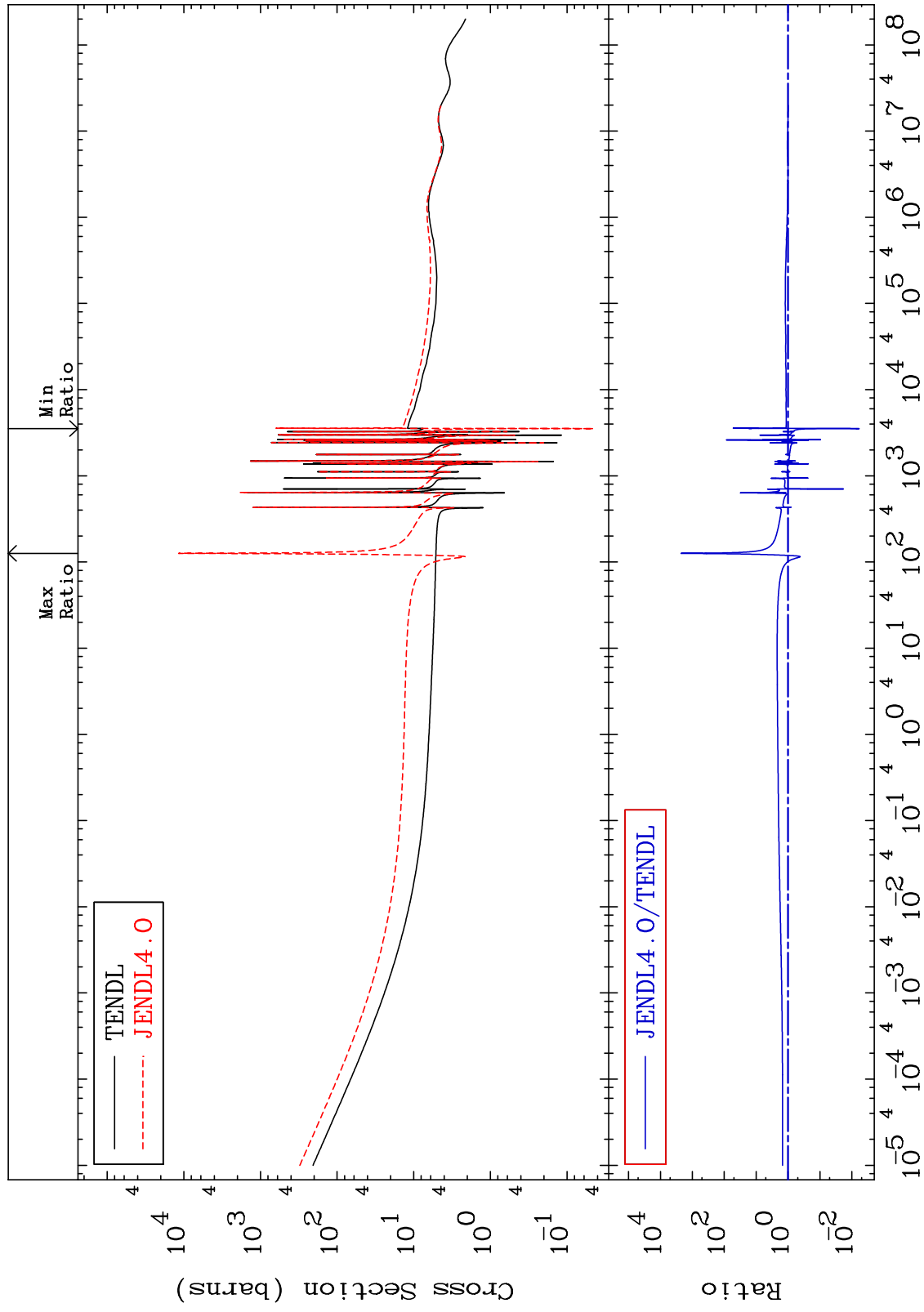
Tele: 925-443-1911

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

Press Mouse Button to Start

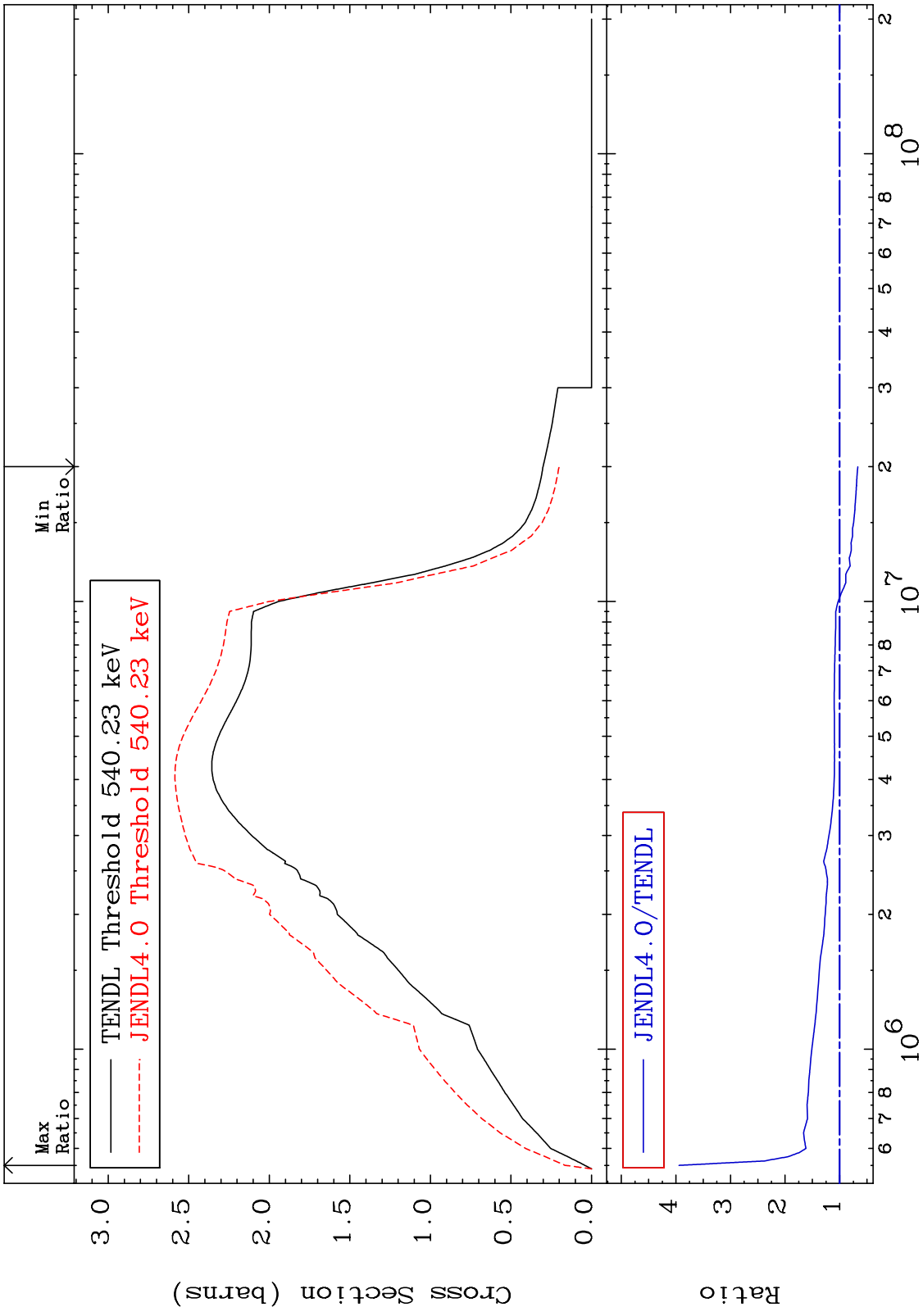
MAT 5443 54-Xe-130 -99.40 To 9999. %

Total Cross Section



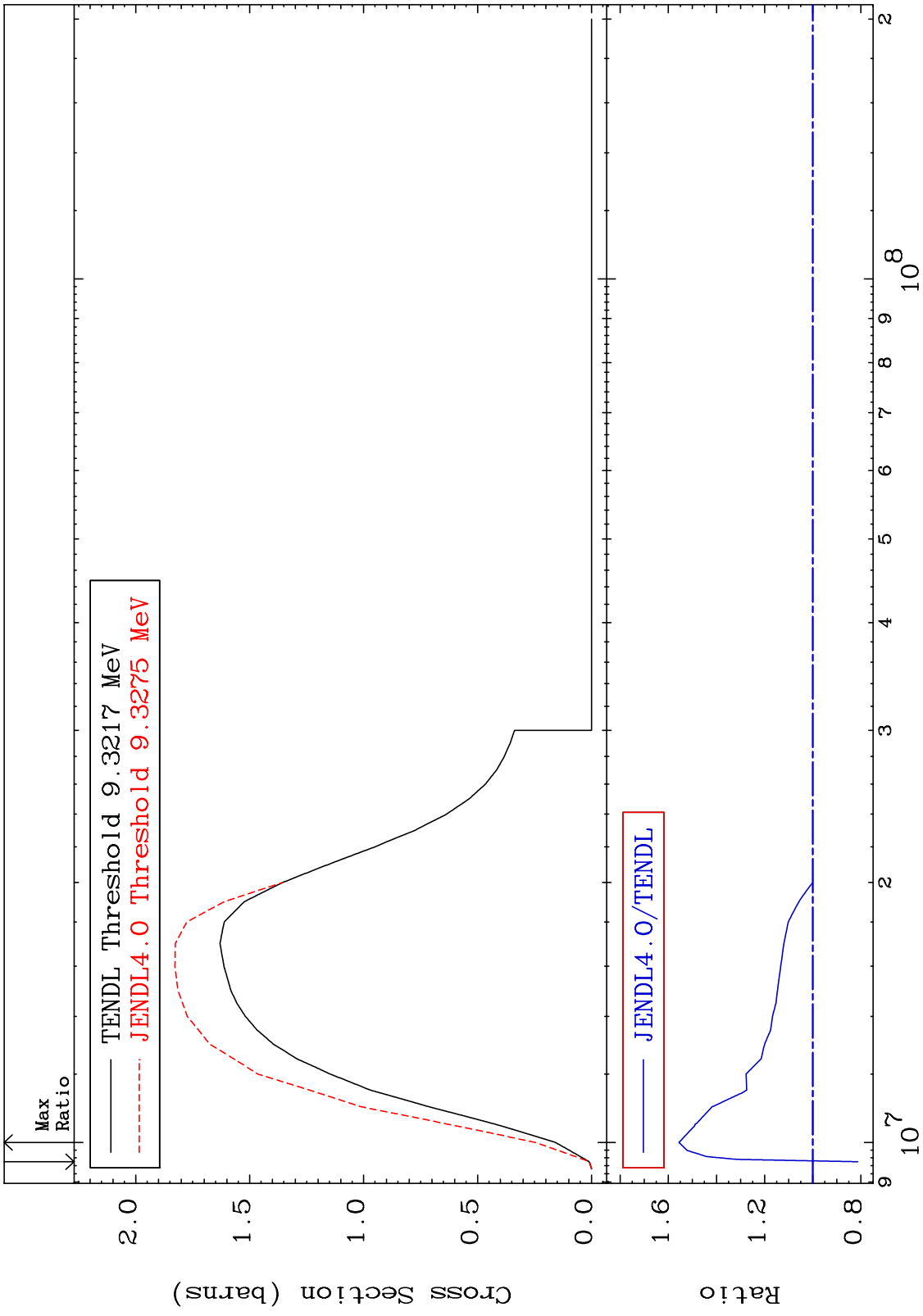
54-Xe-130

MAT 5443 Inelastic Cross Section 54-Xe-130 -33.27 To 294.2 %



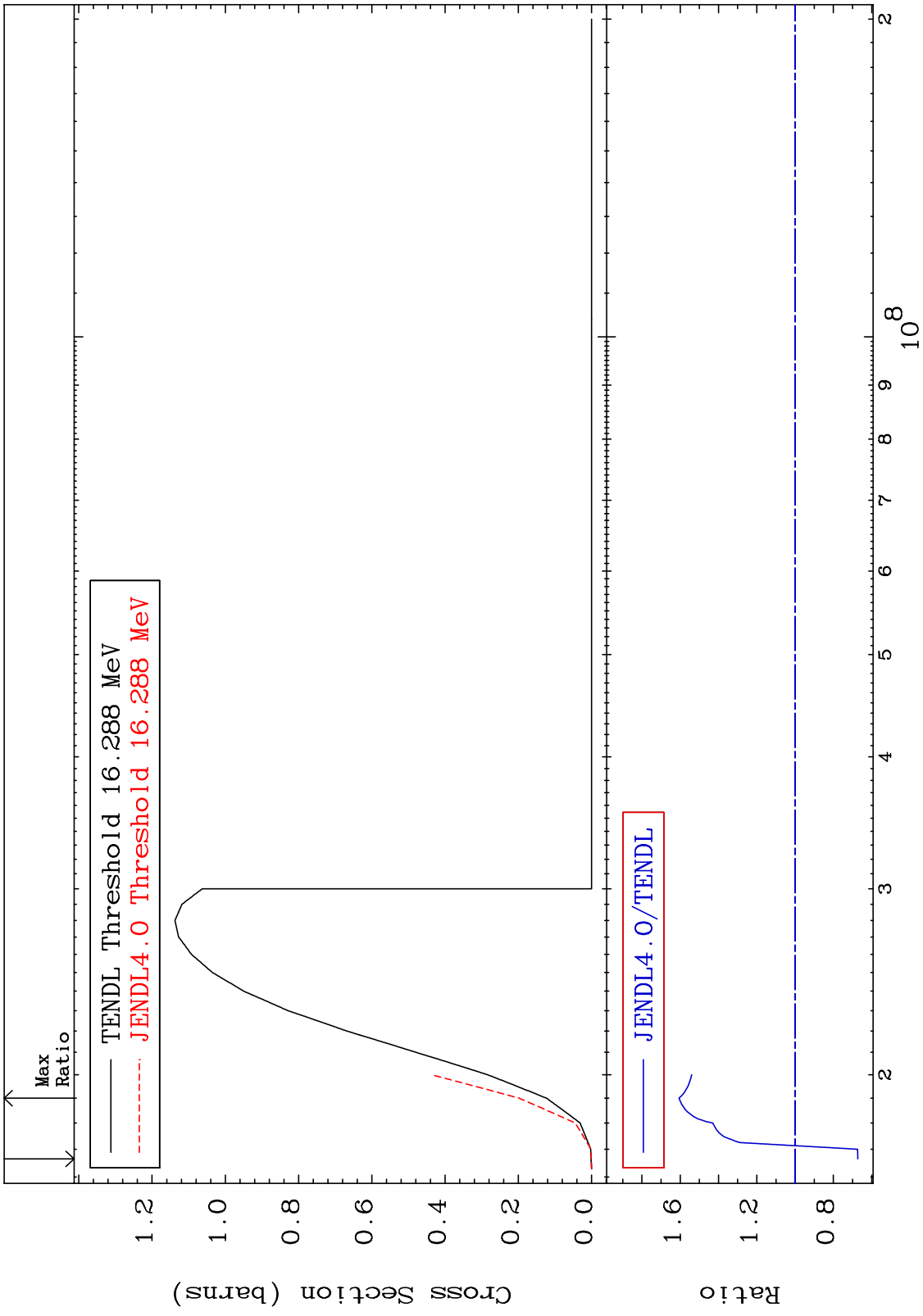
3 54-Xe-130

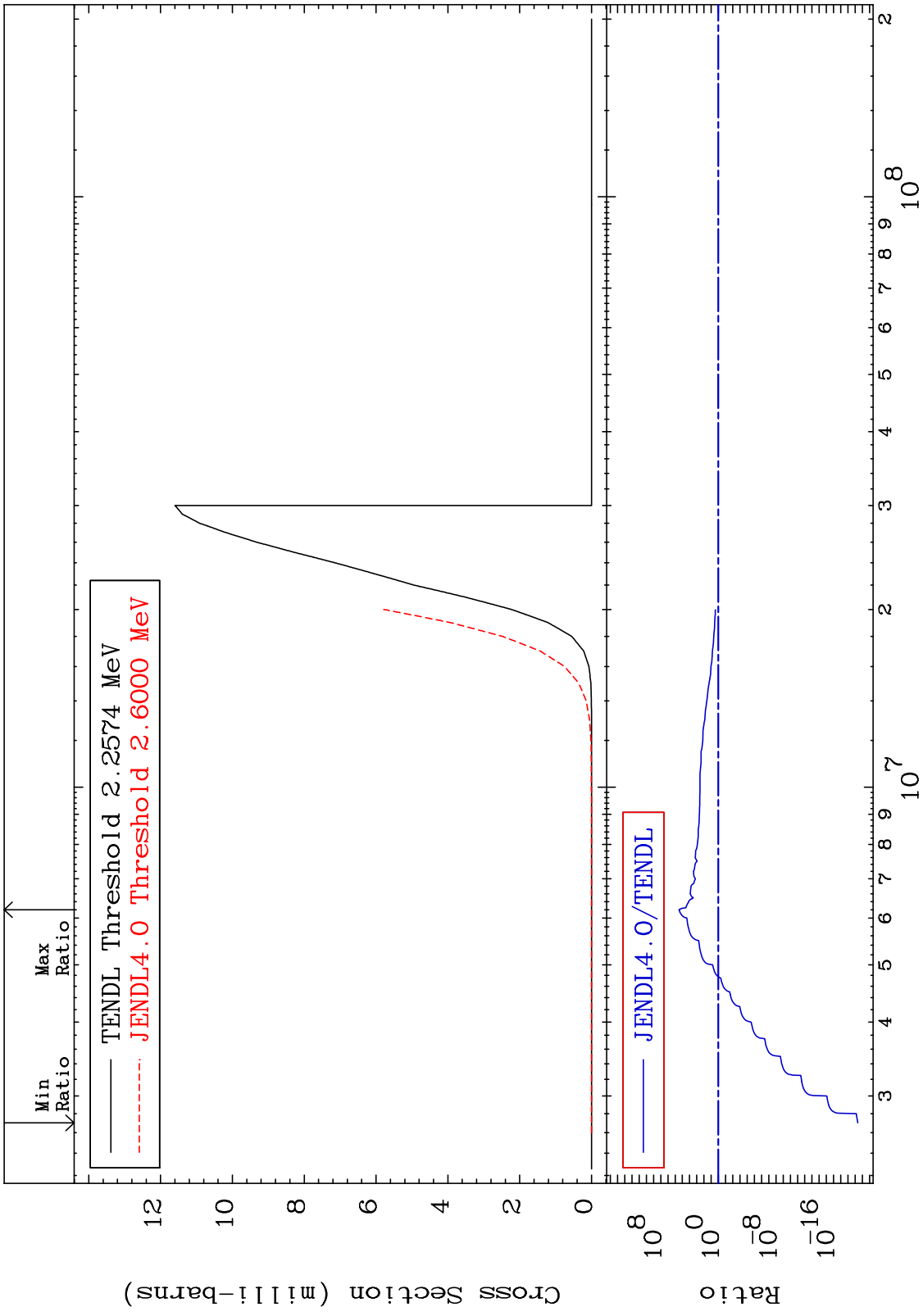
MAT 5443 (n,2n) Cross Section 54-Xe-130 -18.71 To 55.55 %



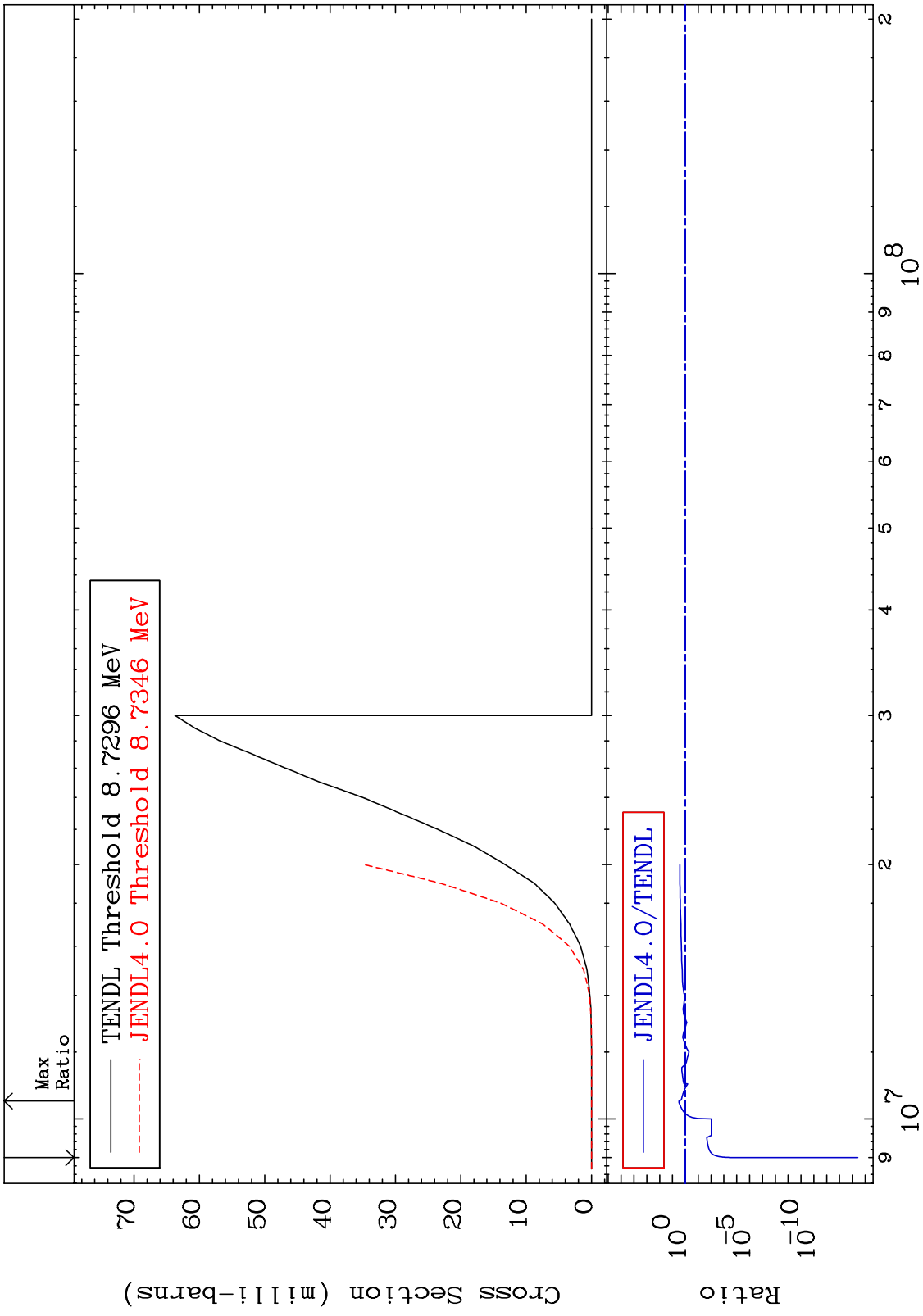
4 54-Xe-130

MAT 5443 (n,3n) Cross Section 54-Xe-130 -32.76 To 60.60 %



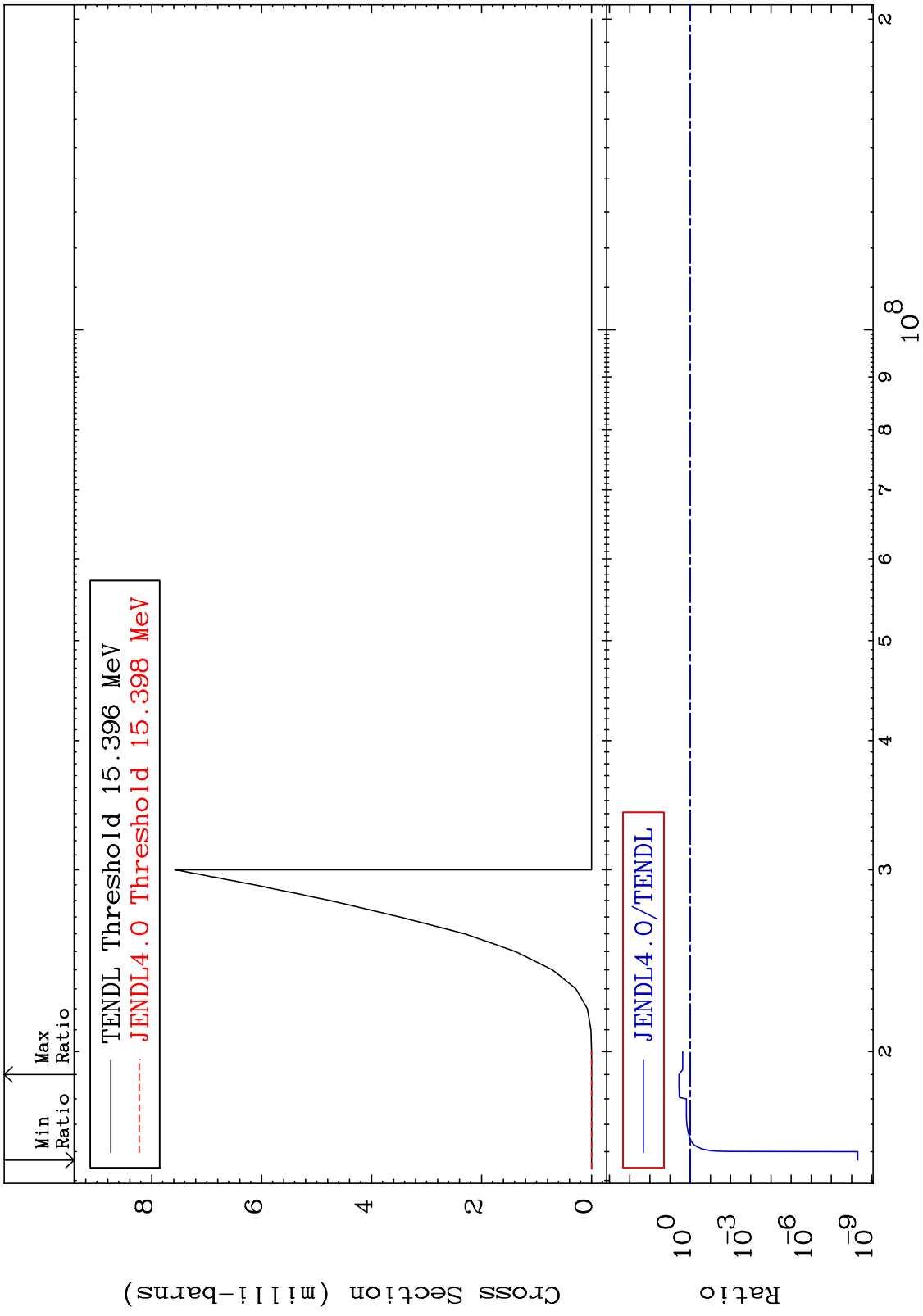


MAT 5443 (n,n') p 54-Xe-130
 Cross Section -100.0 To 208.8 %

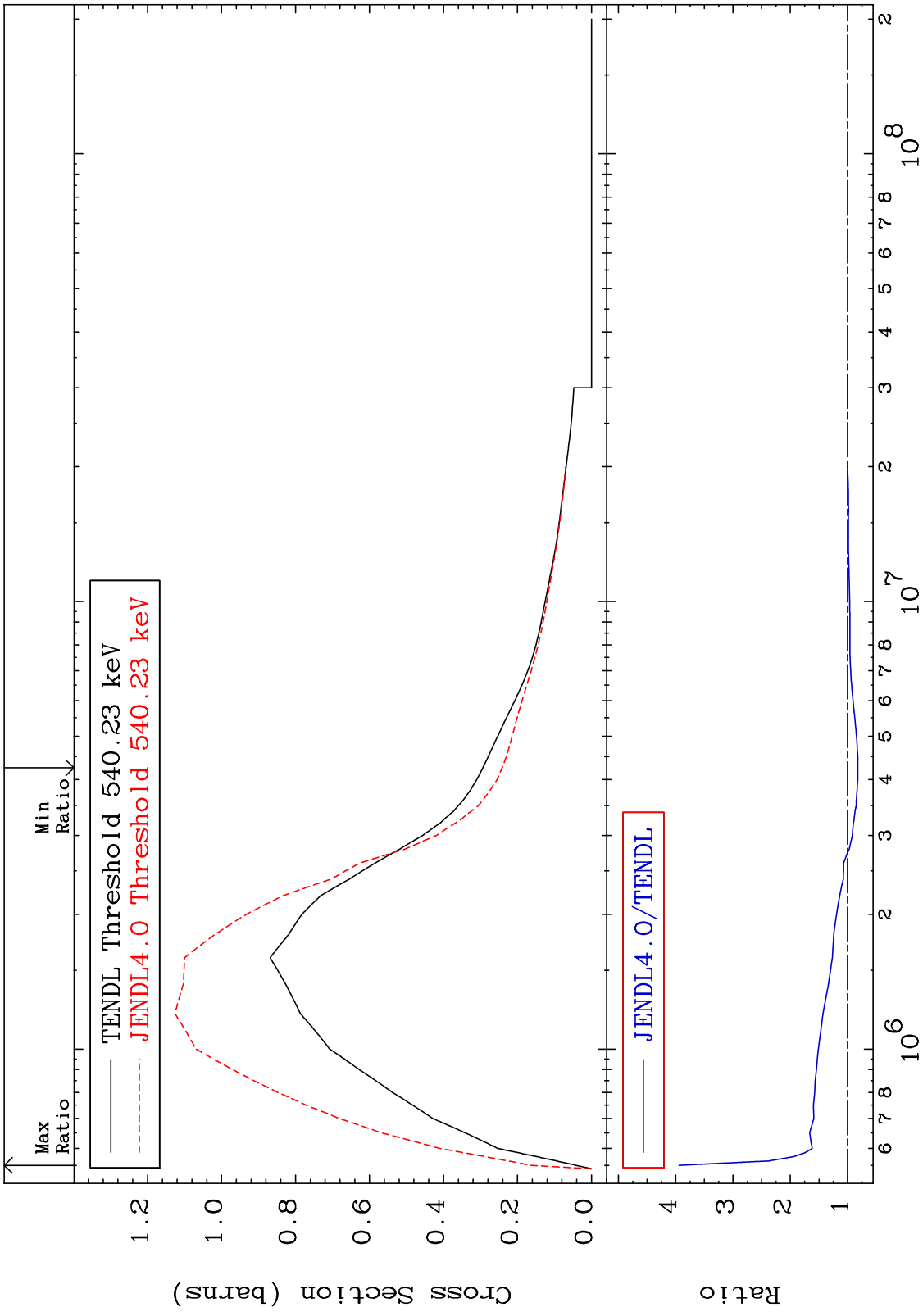


7 Incident Energy (eV) 54-Xe-130

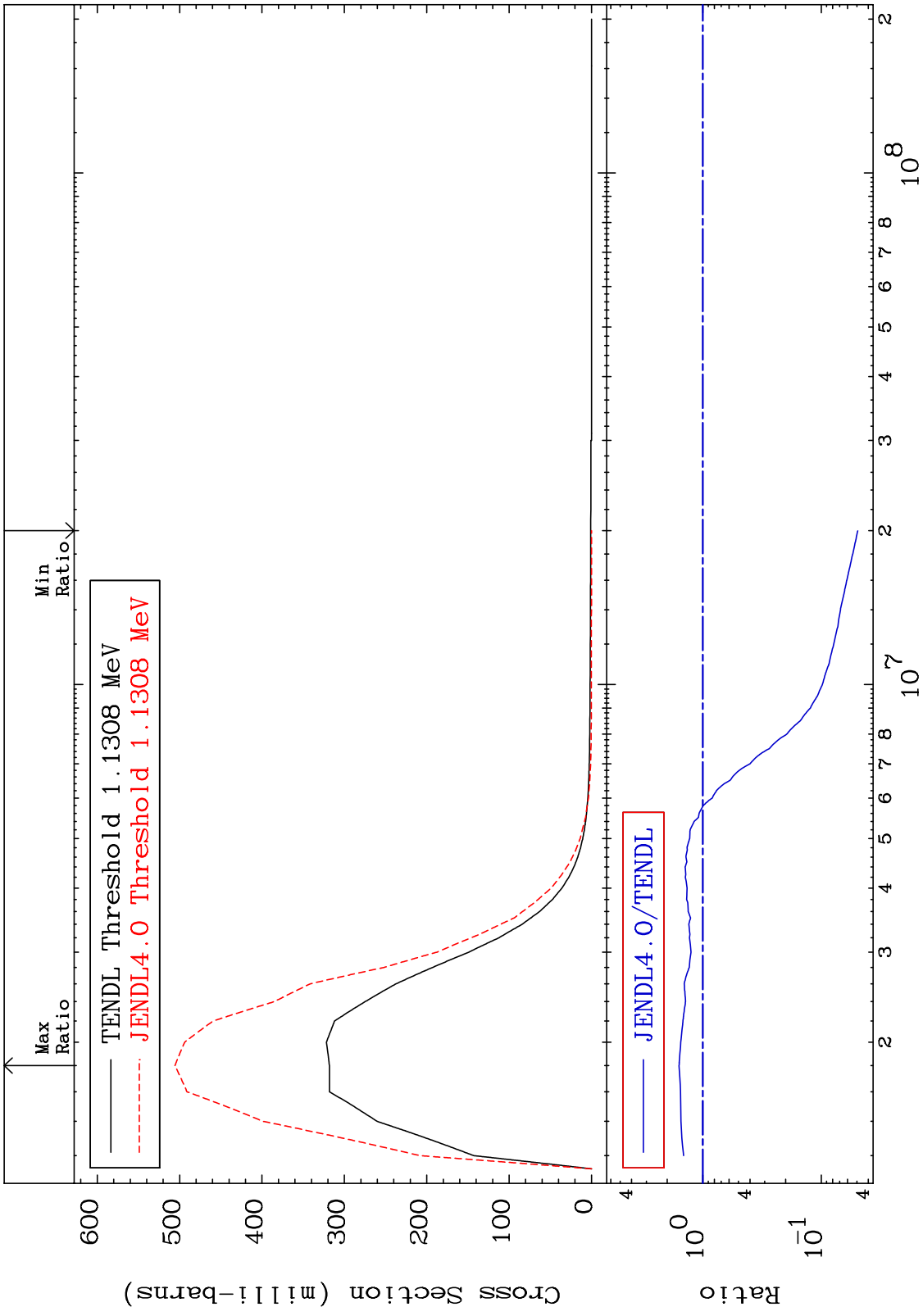
MAT 5443 (n,n') d 54-Xe-130
 Cross Section -100.0 To 258.5 %



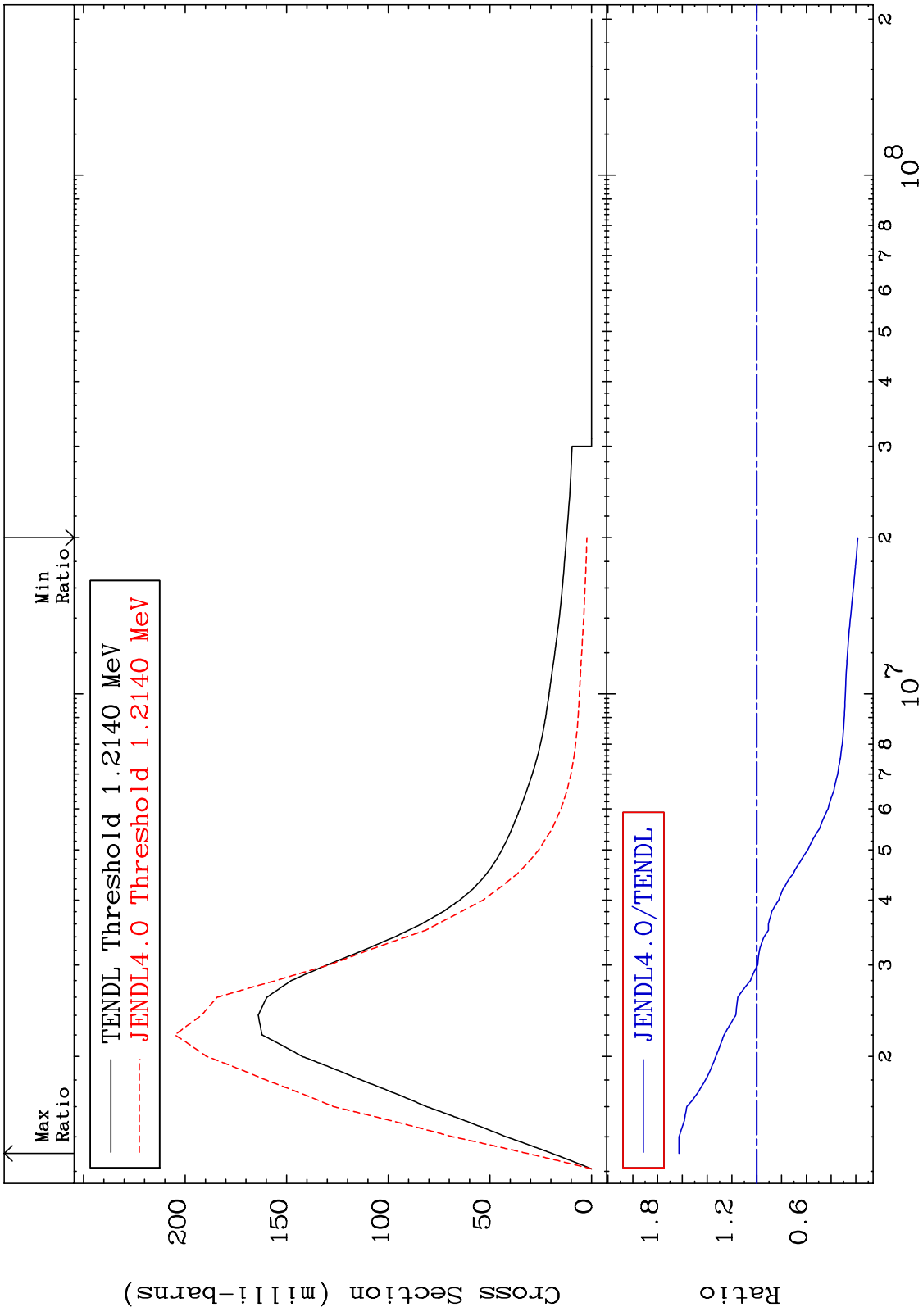
MAT 5443 MT= 51 (n,n') Level Cross Section 54-Xe-130 -17.79 To 294.2 %



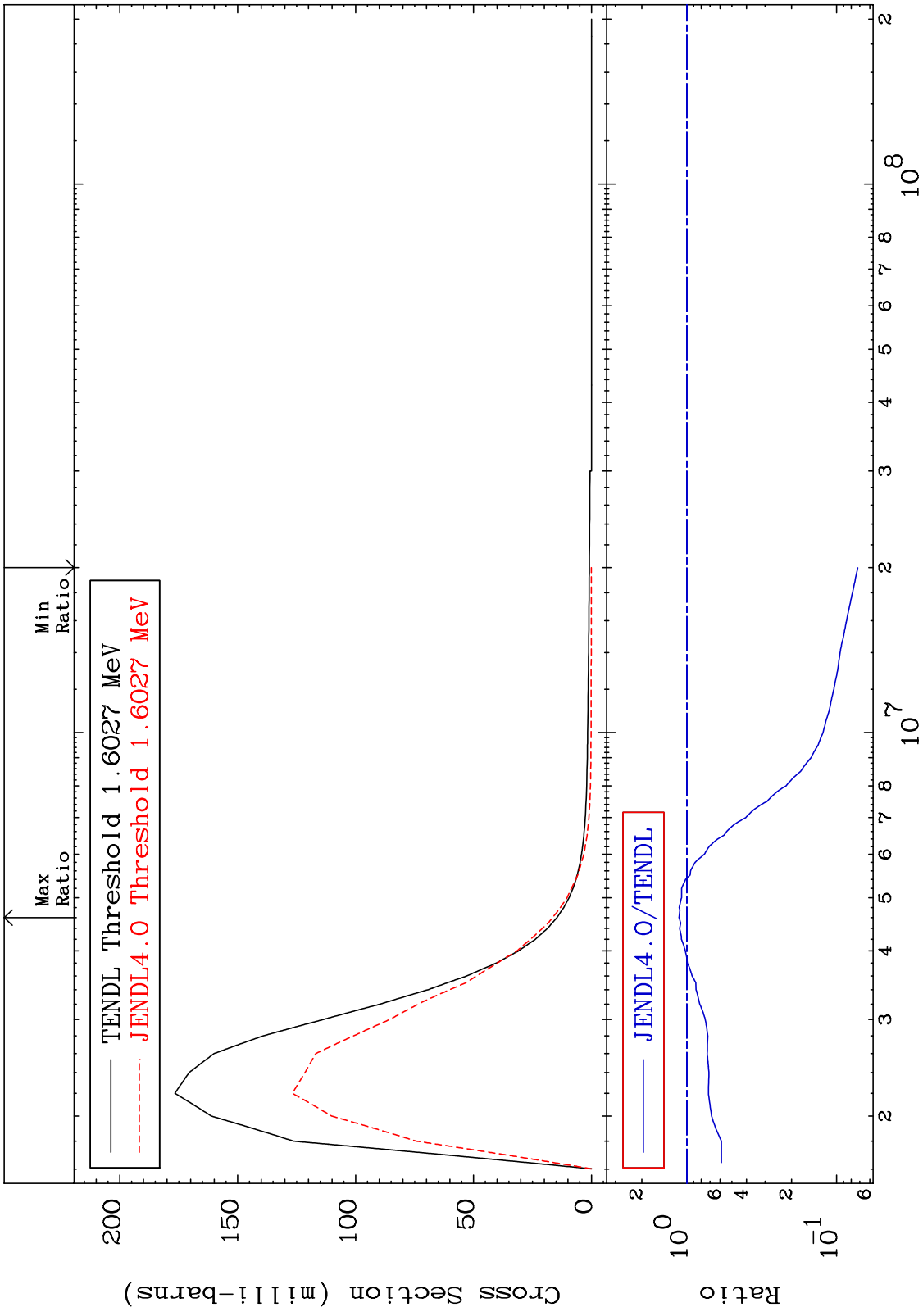
MAT 5443 MT= 52 (n,n') Level Cross Section 54-Xe-130 -95.10 To 58.91 %



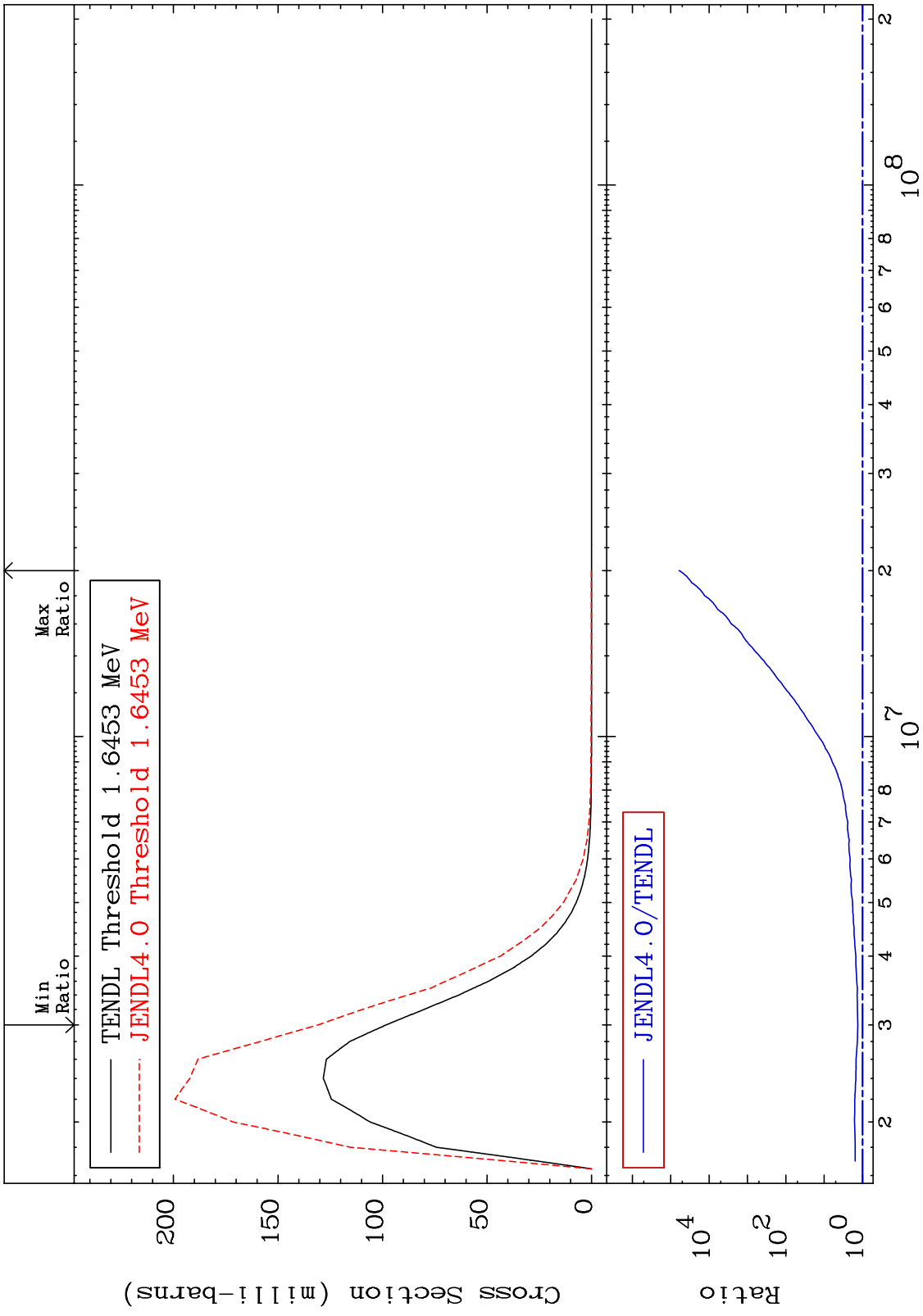
MAT 5443 MT= 53 (n,n') Level Cross Section 54-Xe-130 -81.55 To 62.67 %



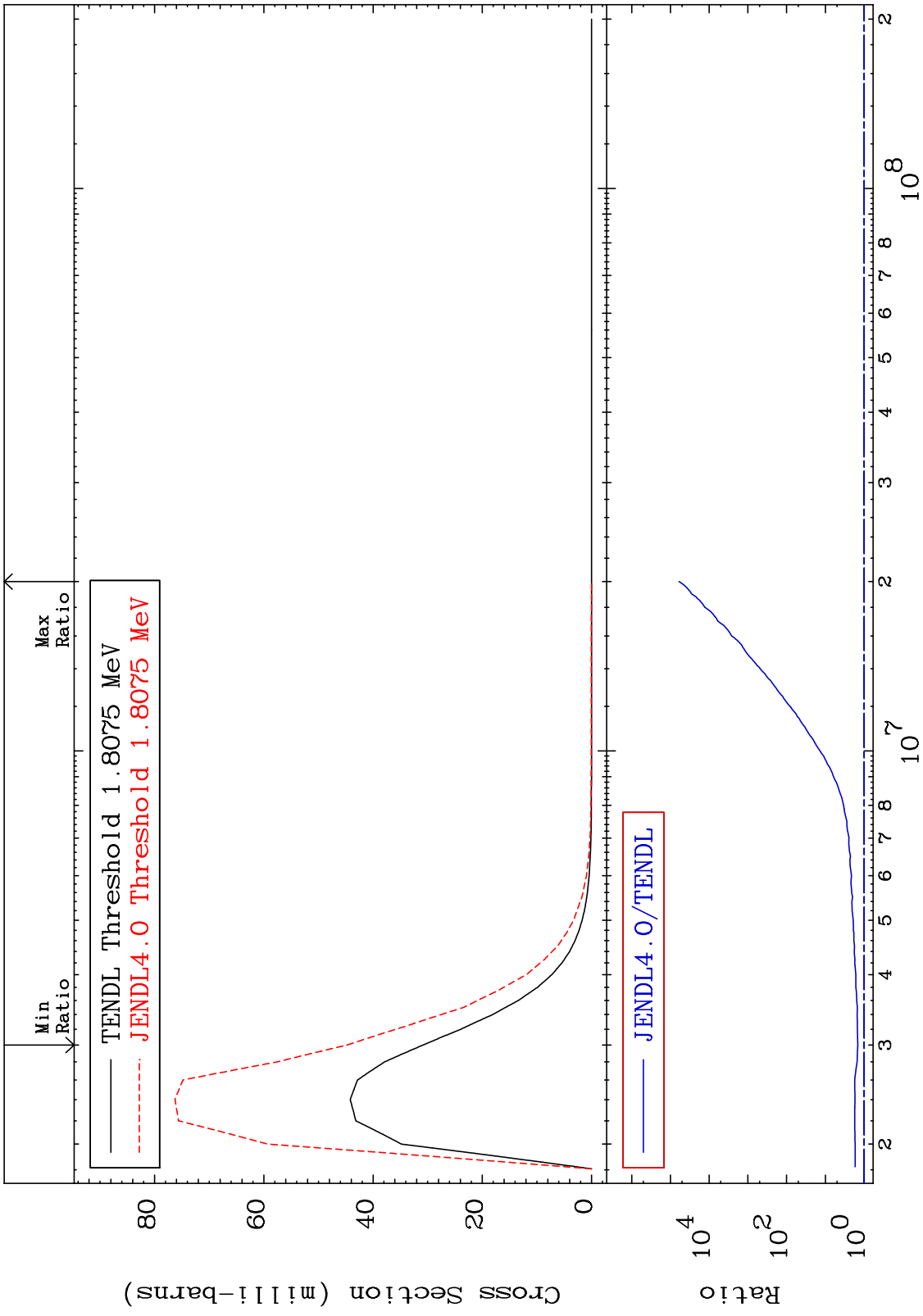
MAT 5443 MT= 54 (n,n') Level Cross Section 54-Xe-130 -92.78 To 12.71 %



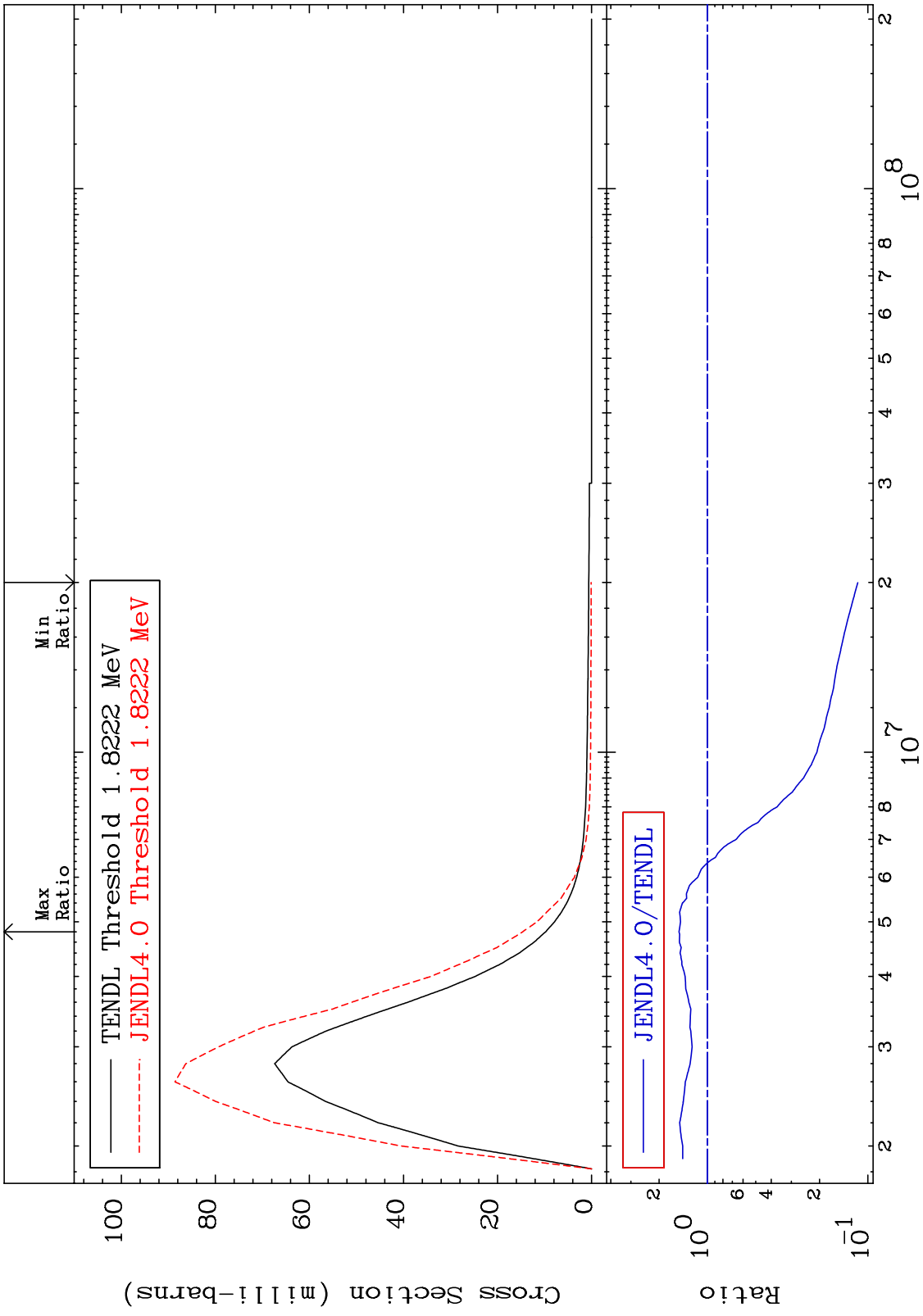
MAT 5443 MT= 55 (n,n') Level Cross Section 54-Xe-130 To 9999. %
 33.13



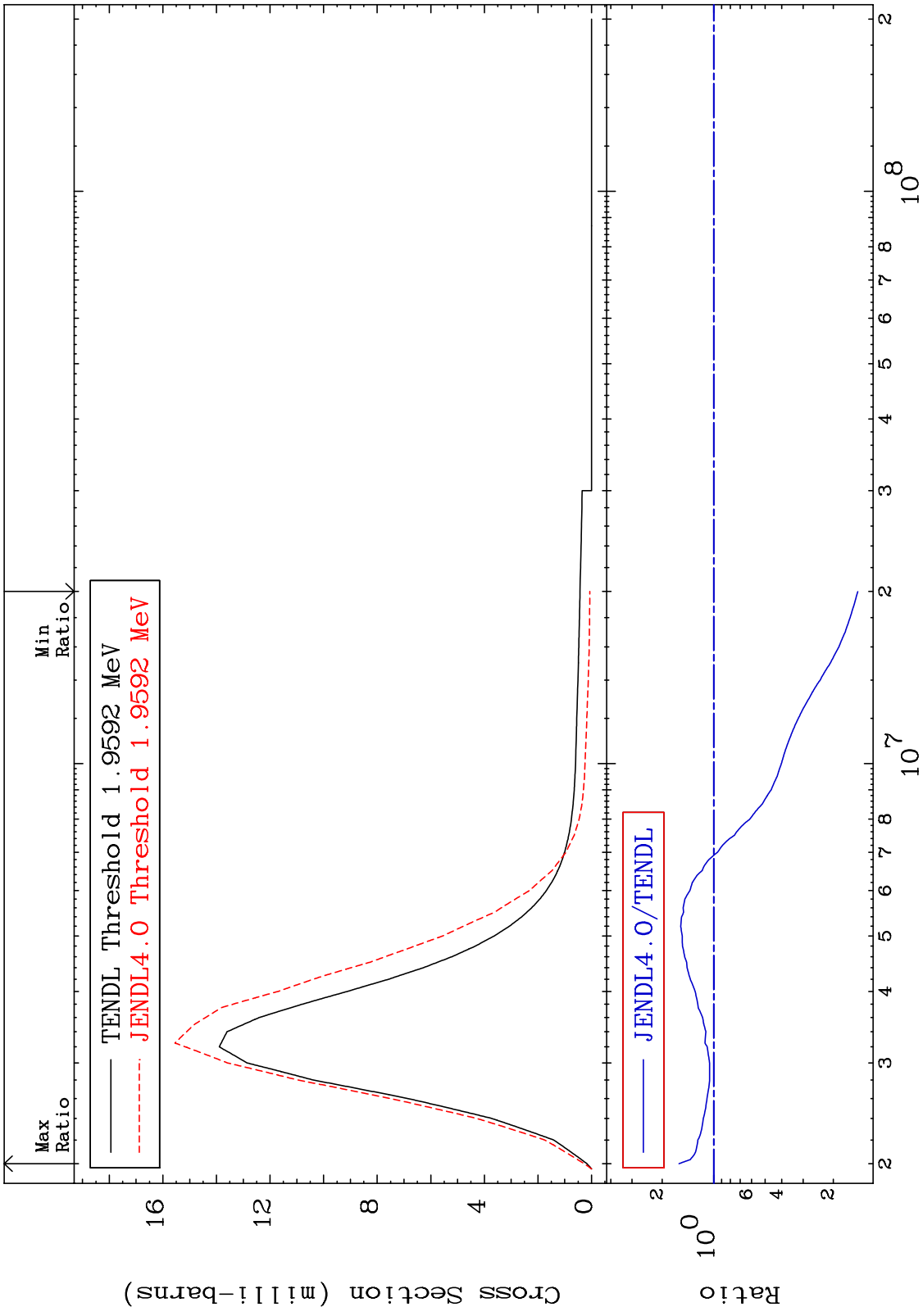
MAT 5443 MT= 56 (n,n') Level Cross Section 54-Xe-130 To 9999. %
 45.16



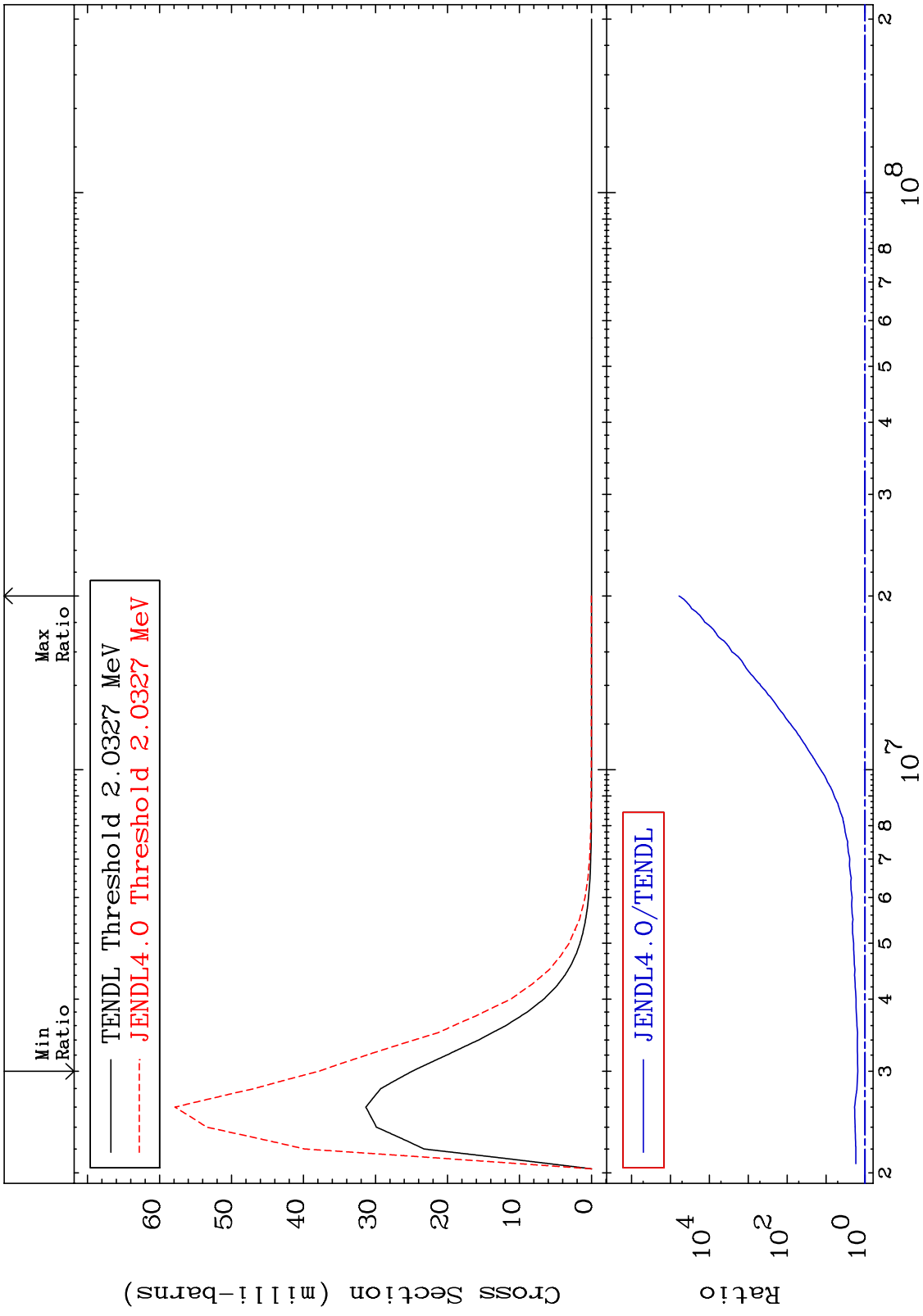
MAT 5443 MT= 57 (n,n') Level Cross Section 54-Xe-130
 -88.46 To 50.27 %



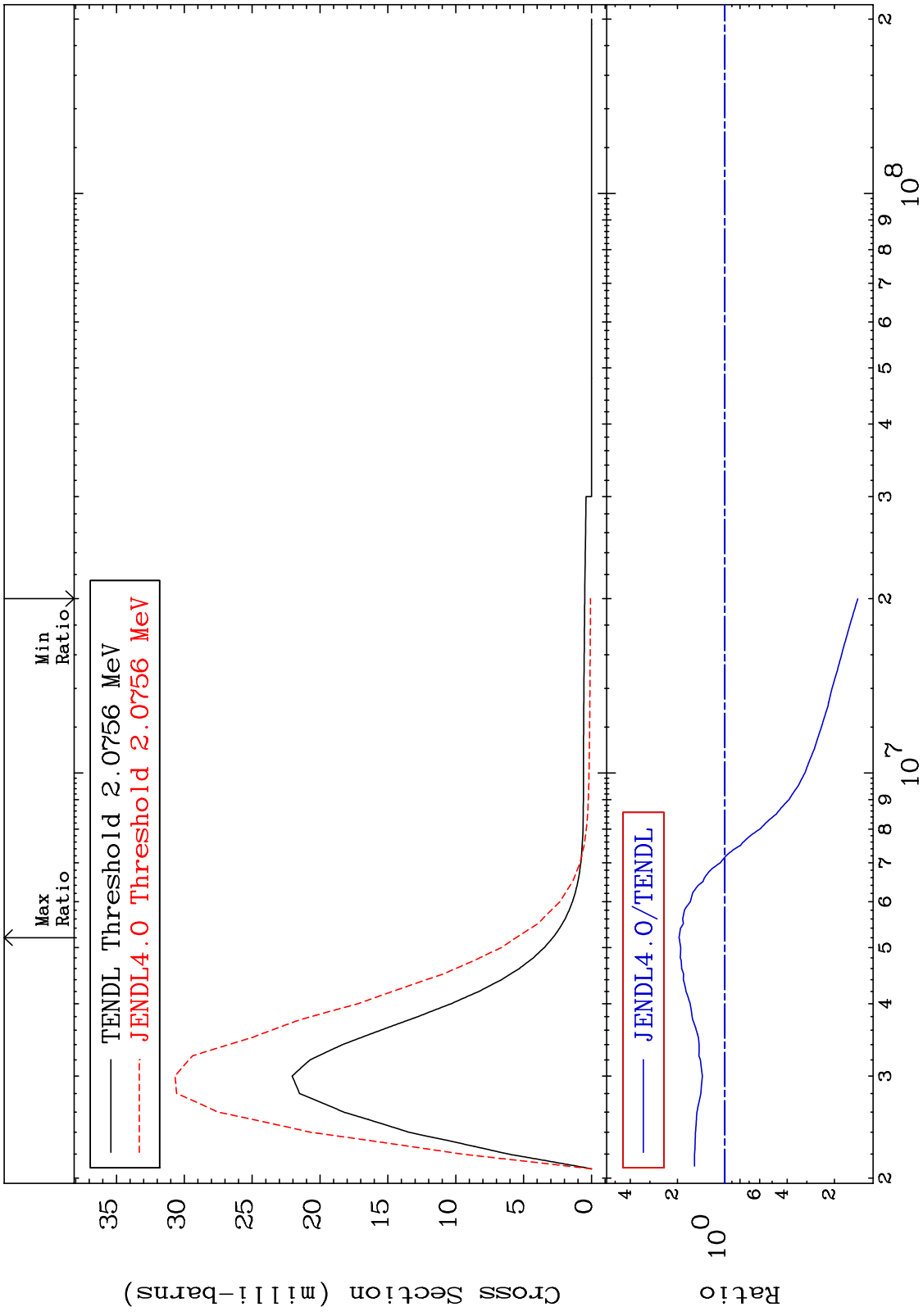
MAT 5443 MT= 58 (n,n') Level Cross Section 54-Xe-130 -85.64 To 59.41 %



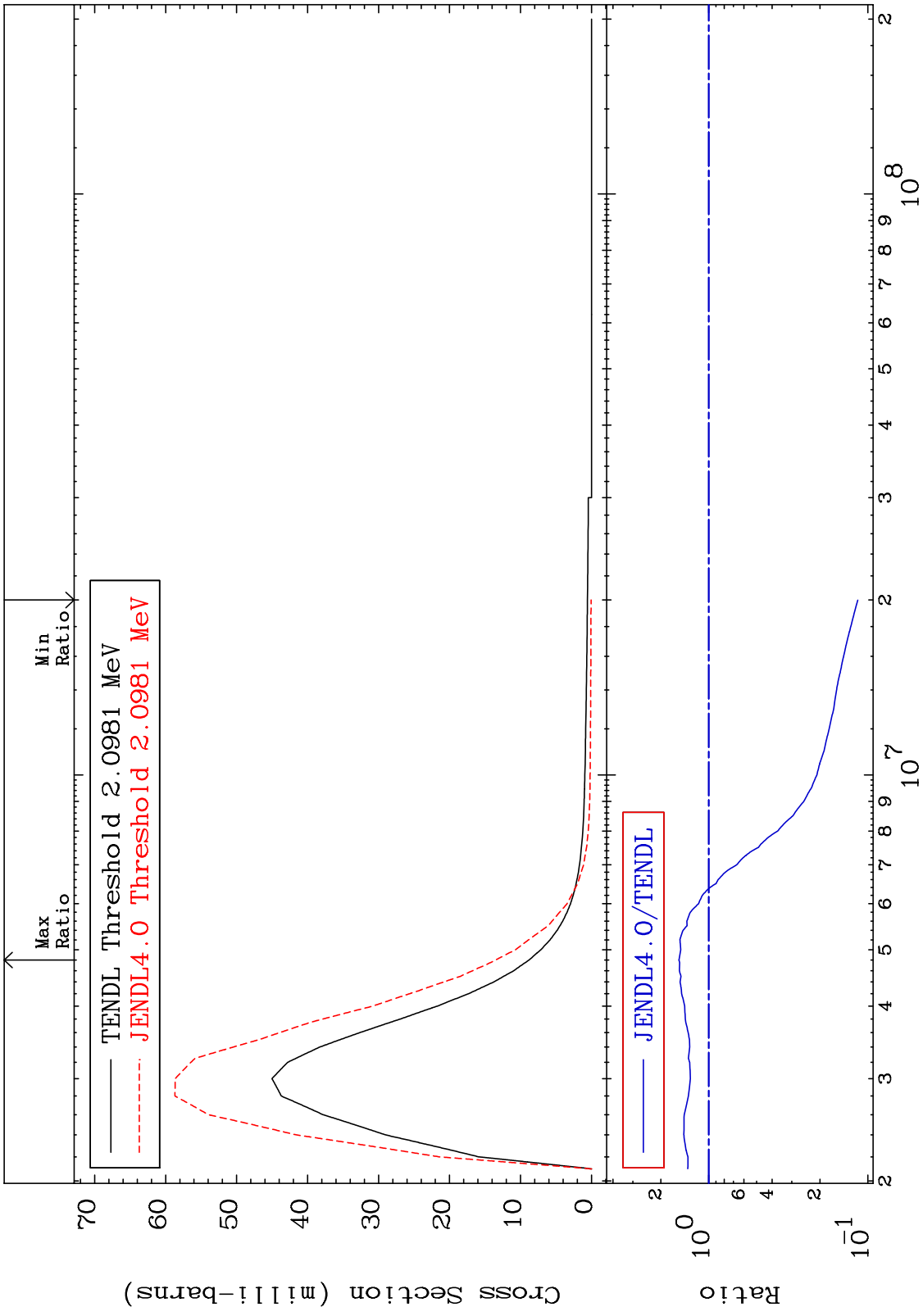
MAT 5443 MT= 59 (n,n') Level Cross Section 54-Xe-130 To 9999. %
 52.07



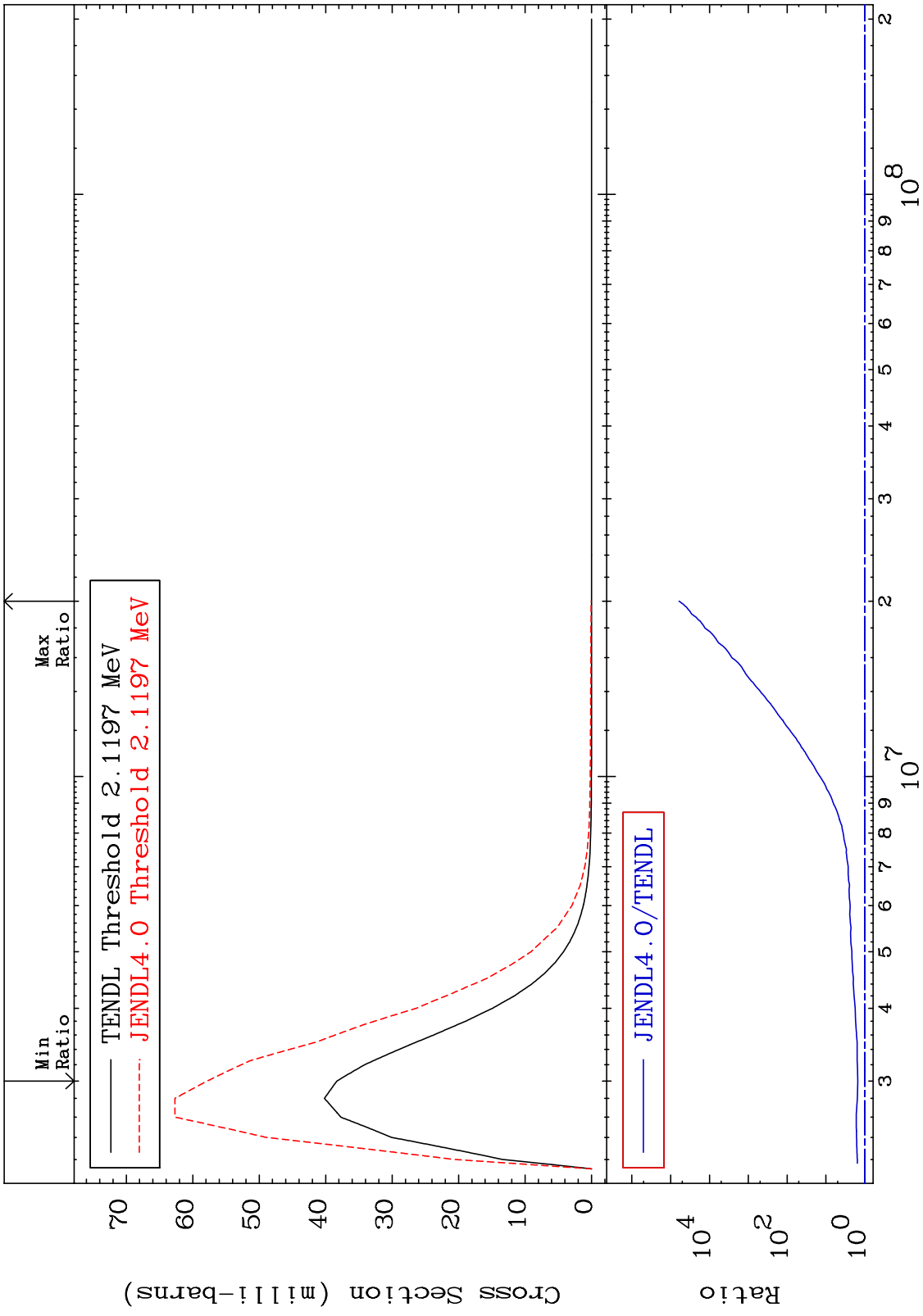
MAT 5443 MT= 60 (n,n') Level Cross Section 54-Xe-130
 -85.82 To 95.63 %



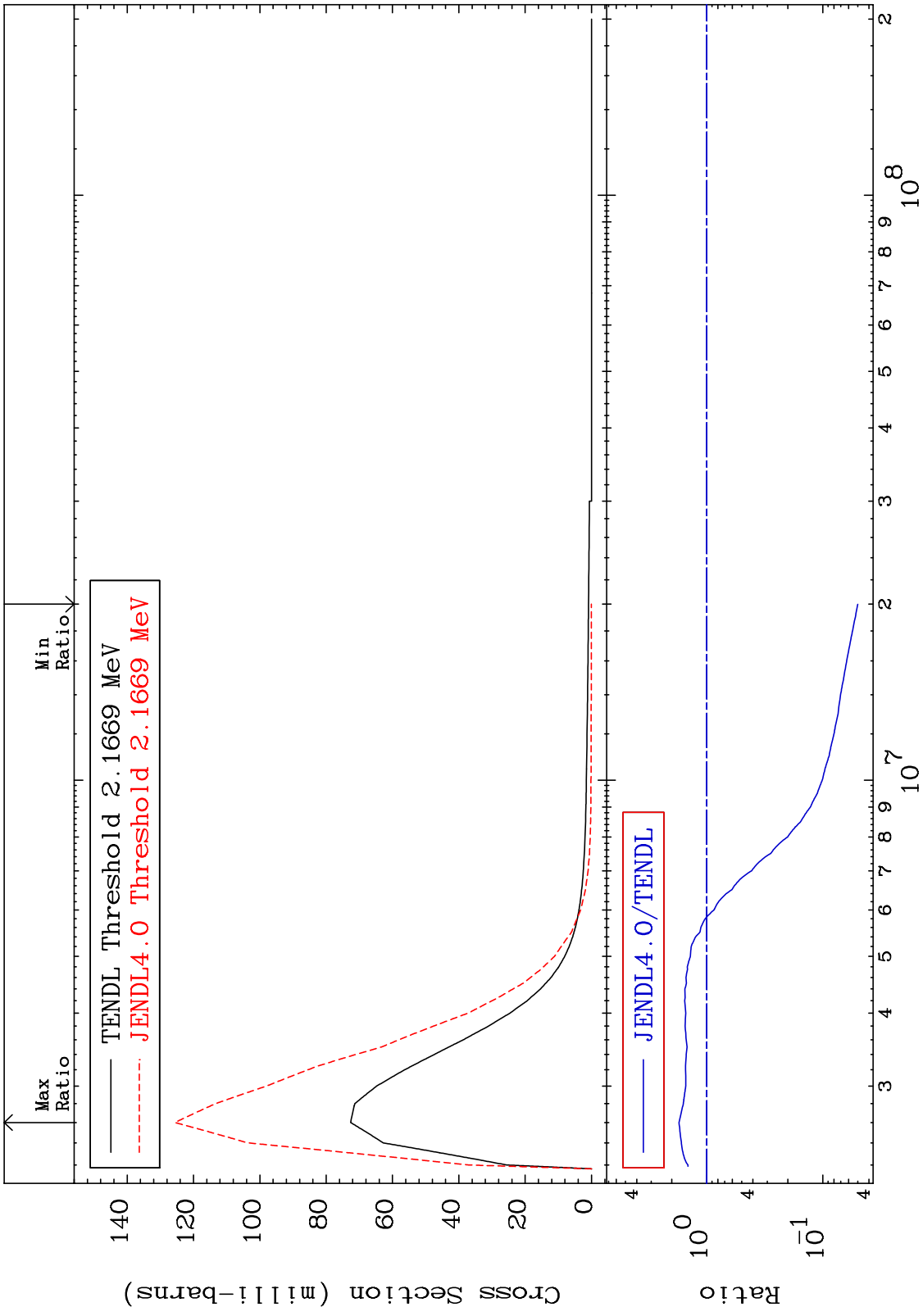
MAT 5443 MT= 61 (n,n') Level Cross Section 54-Xe-130
 -88.45 To 53.65 %



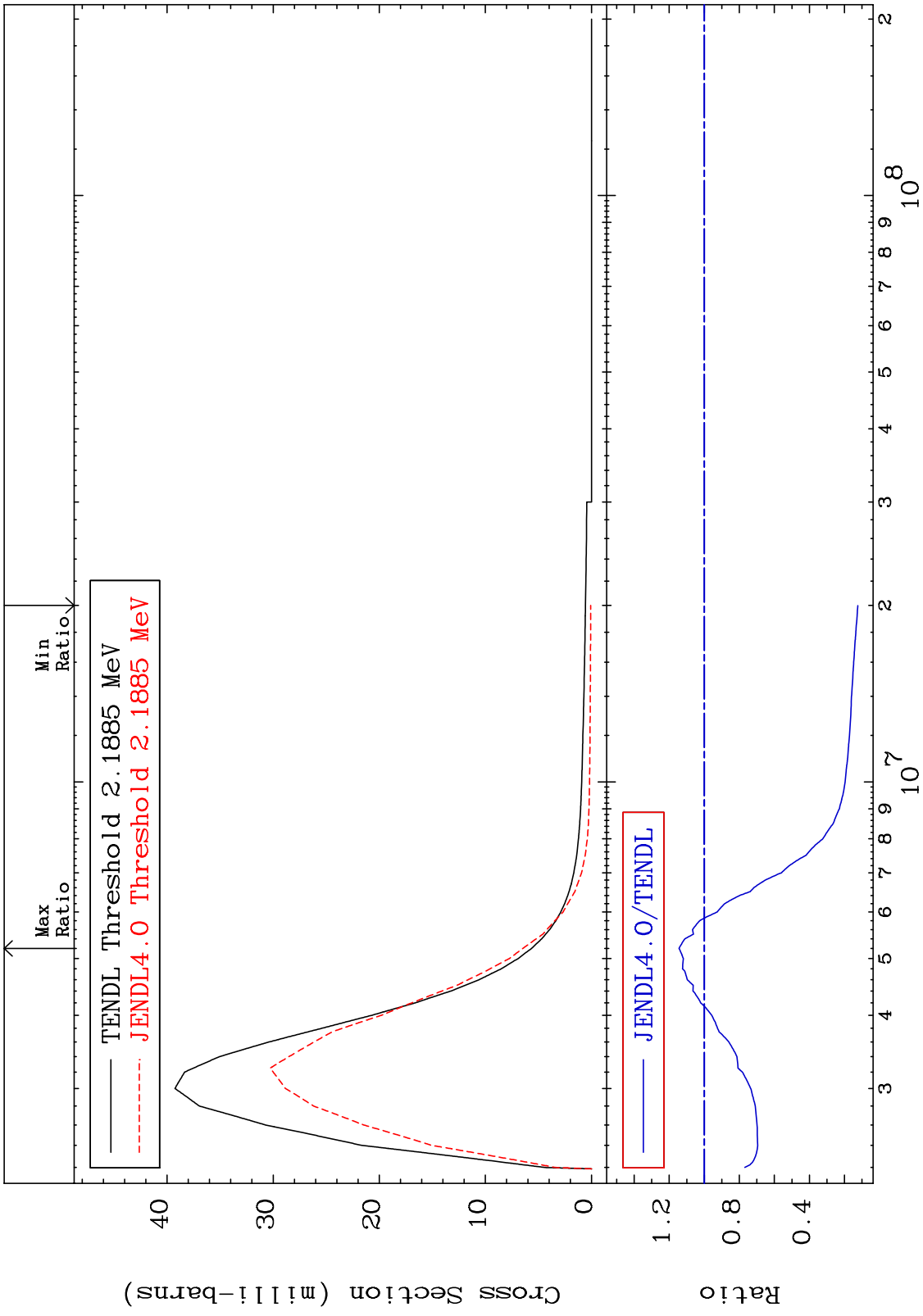
MAT 5443 MT= 62 (n,n') Level Cross Section 50.90 To 9999. % 54-Xe-130



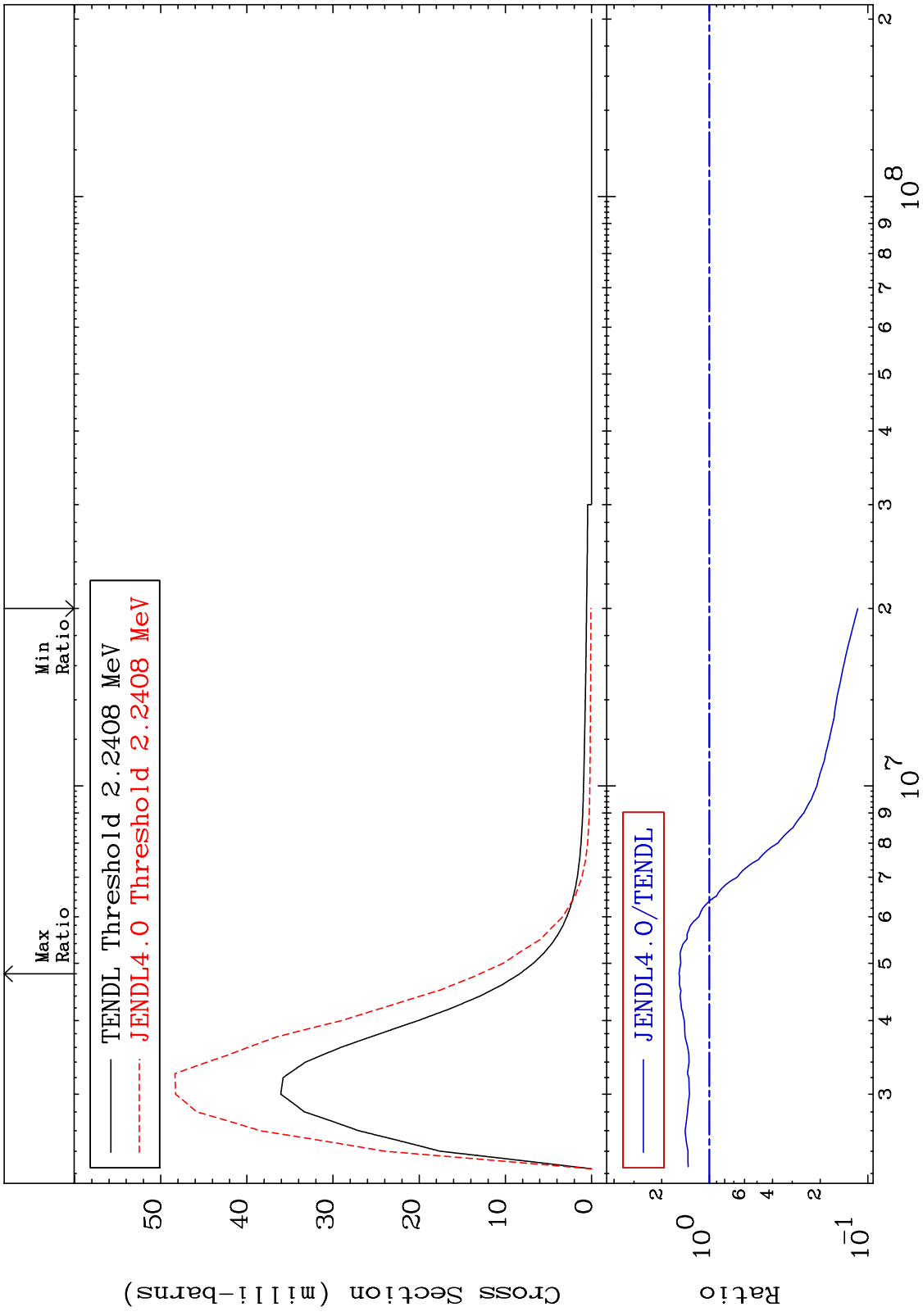
MAT 5443 MT= 63 (n,n') Level Cross Section 54-Xe-130
 -95.01 To 72.91 %



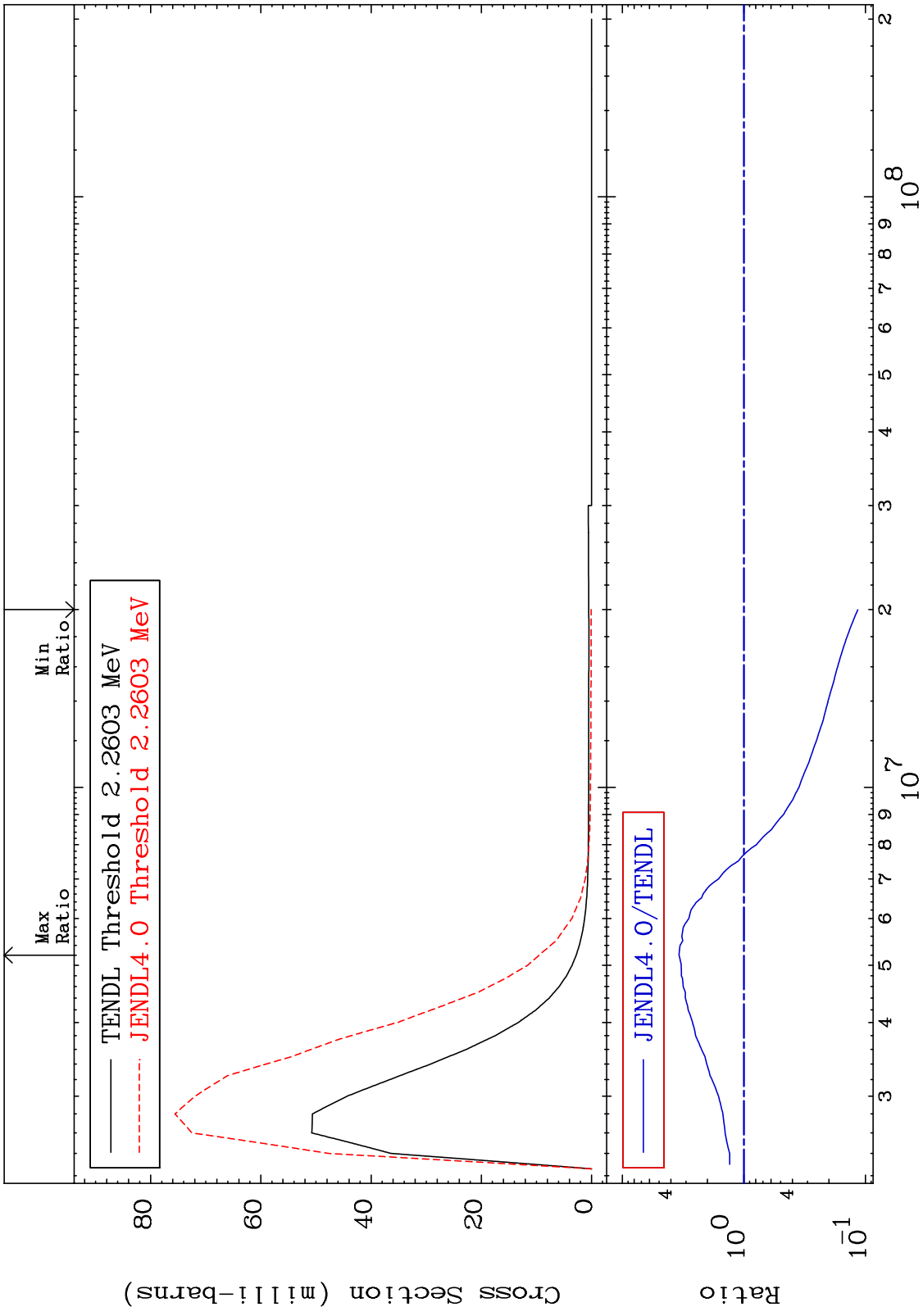
MAT 5443 MT= 64 (n,n') Level Cross Section 54-Xe-130
 -87.62 To 14.40 %



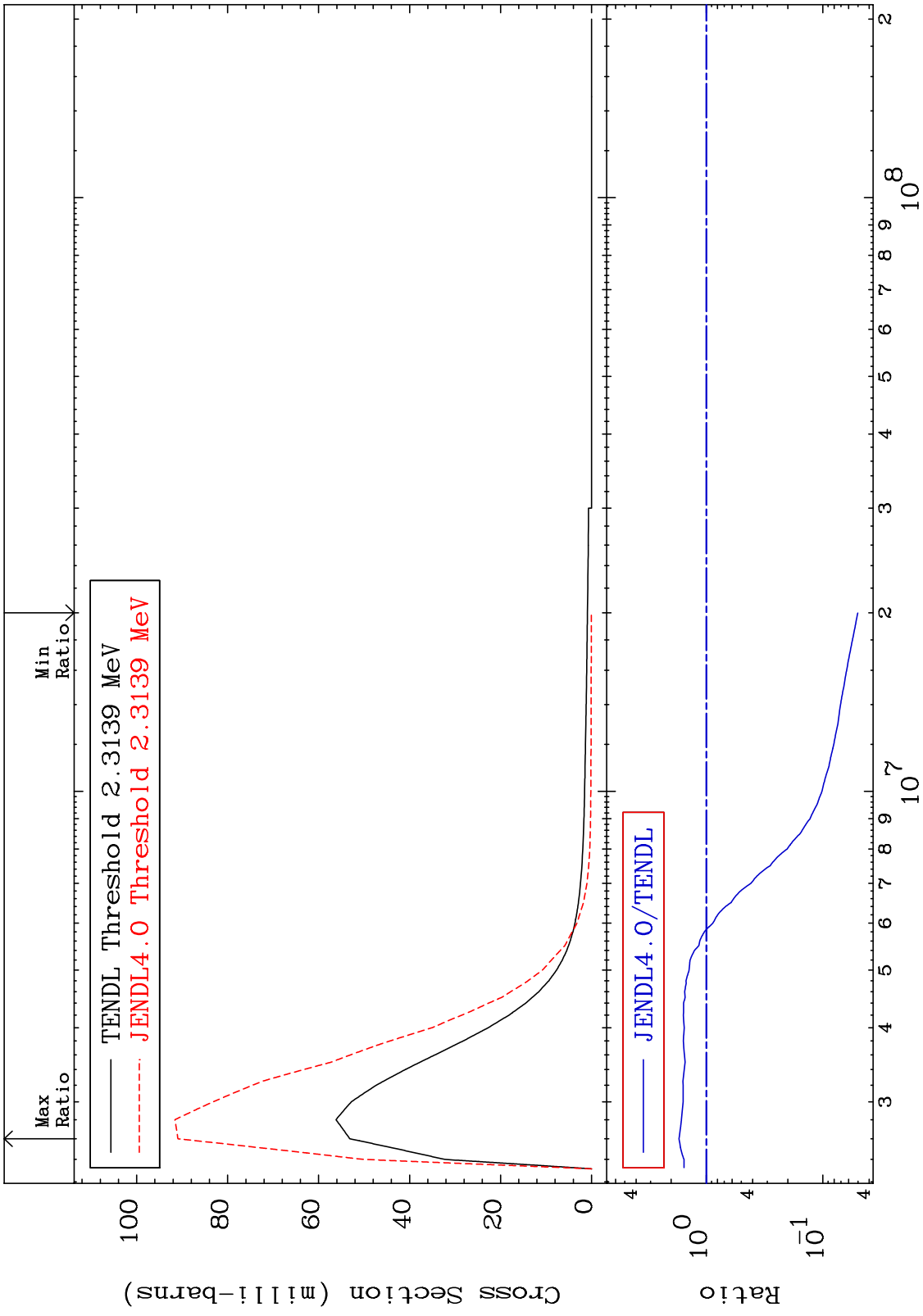
MAT 5443 MT= 65 (n,n') Level Cross Section 54-Xe-130
 -88.45 To 55.53 %



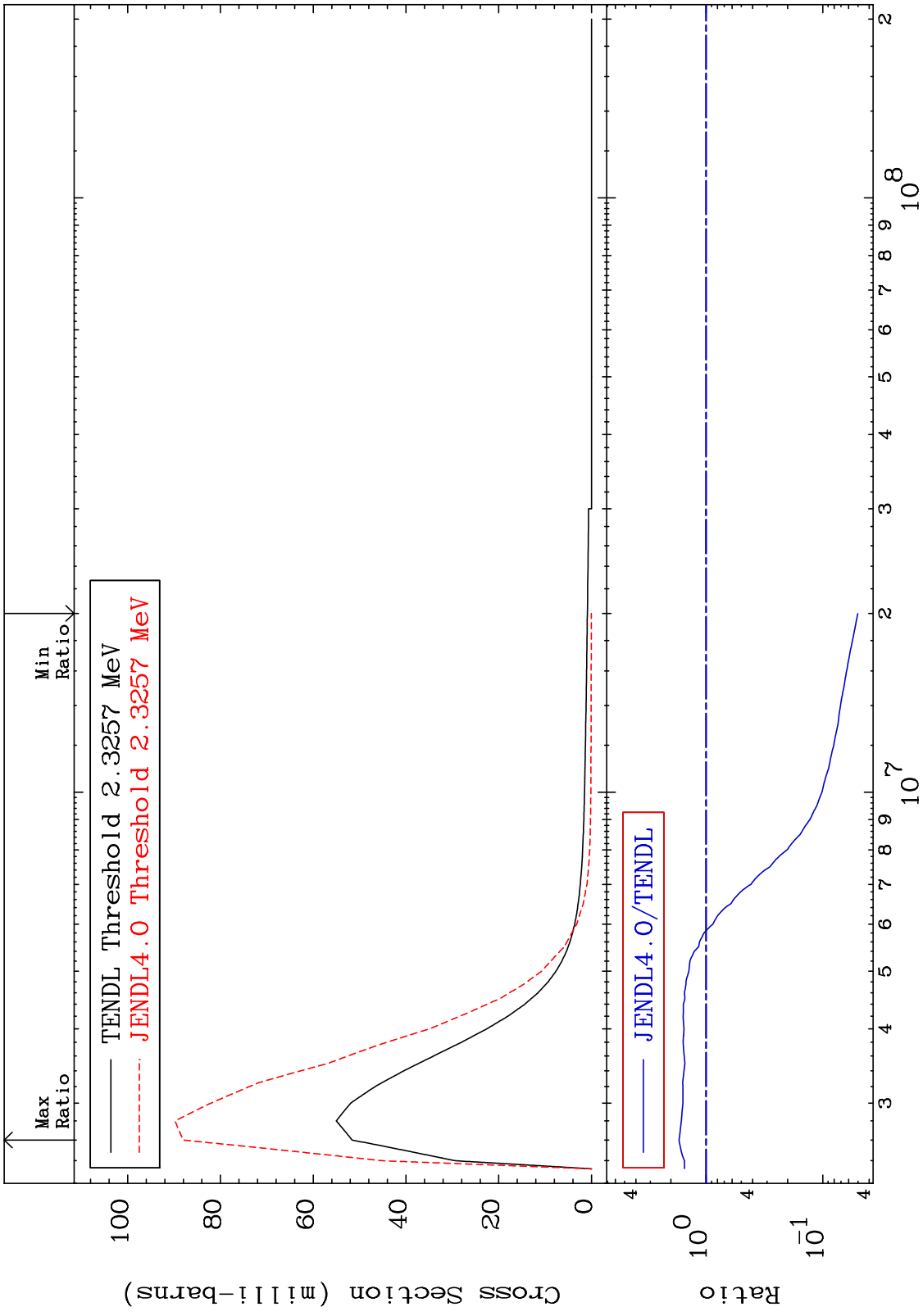
MAT 5443 MT= 66 (n,n') Level Cross Section 54-Xe-130 -88.43 To 242.3 %



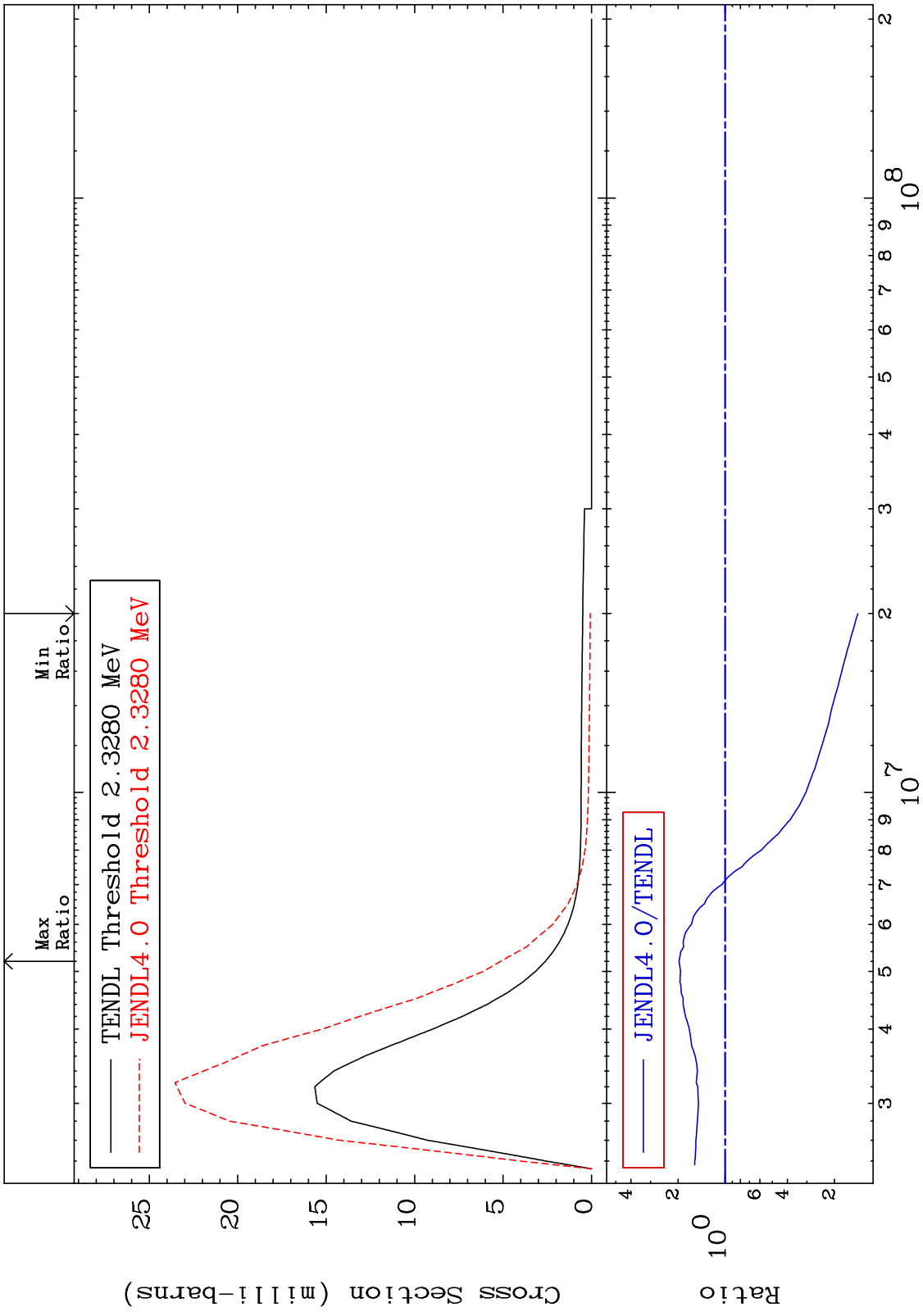
MAT 5443 MT= 67 (n,n') Level Cross Section 54-Xe-130 -94.99 To 71.06 %



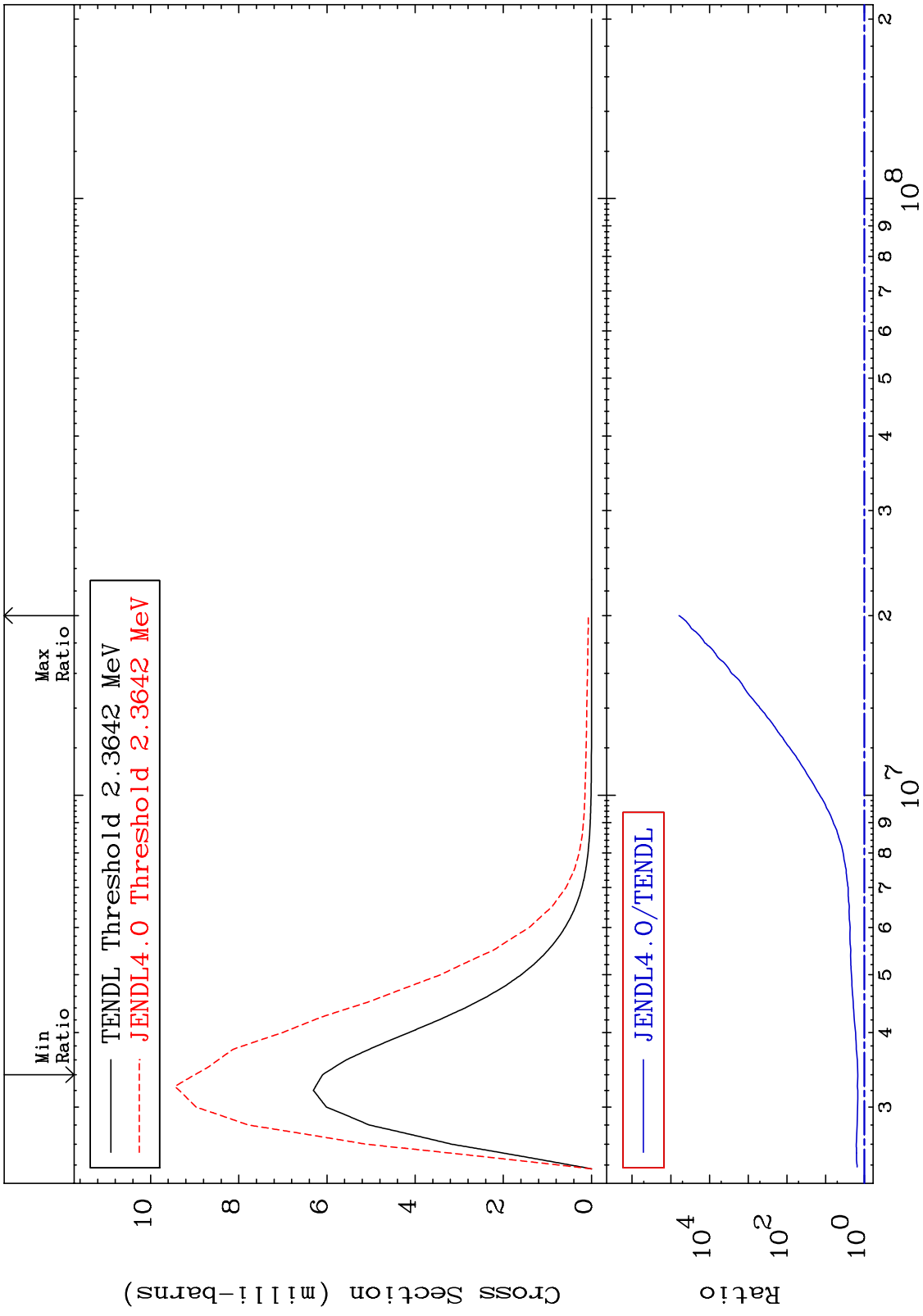
MAT 5443 MT= 68 (n,n') Level Cross Section 54-Xe-130
 -94.99 To 70.62 %



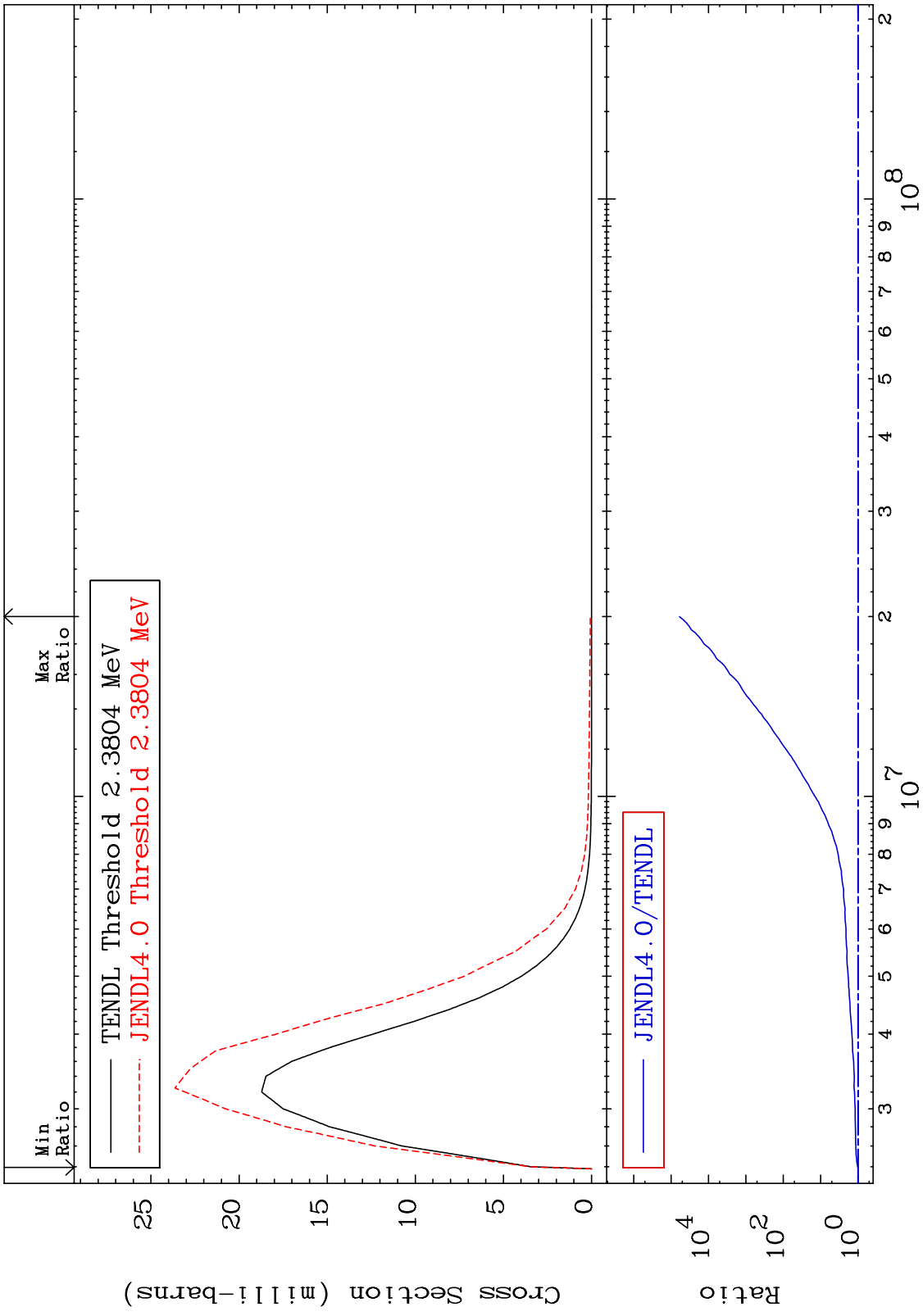
MAT 5443 MT= 69 (n,n') Level Cross Section 54-Xe-130
 -85.81 To 97.18 %



MAT 5443 MT= 70 (n,n') Level Cross Section 54-Xe-130 47.49 To 9999. %



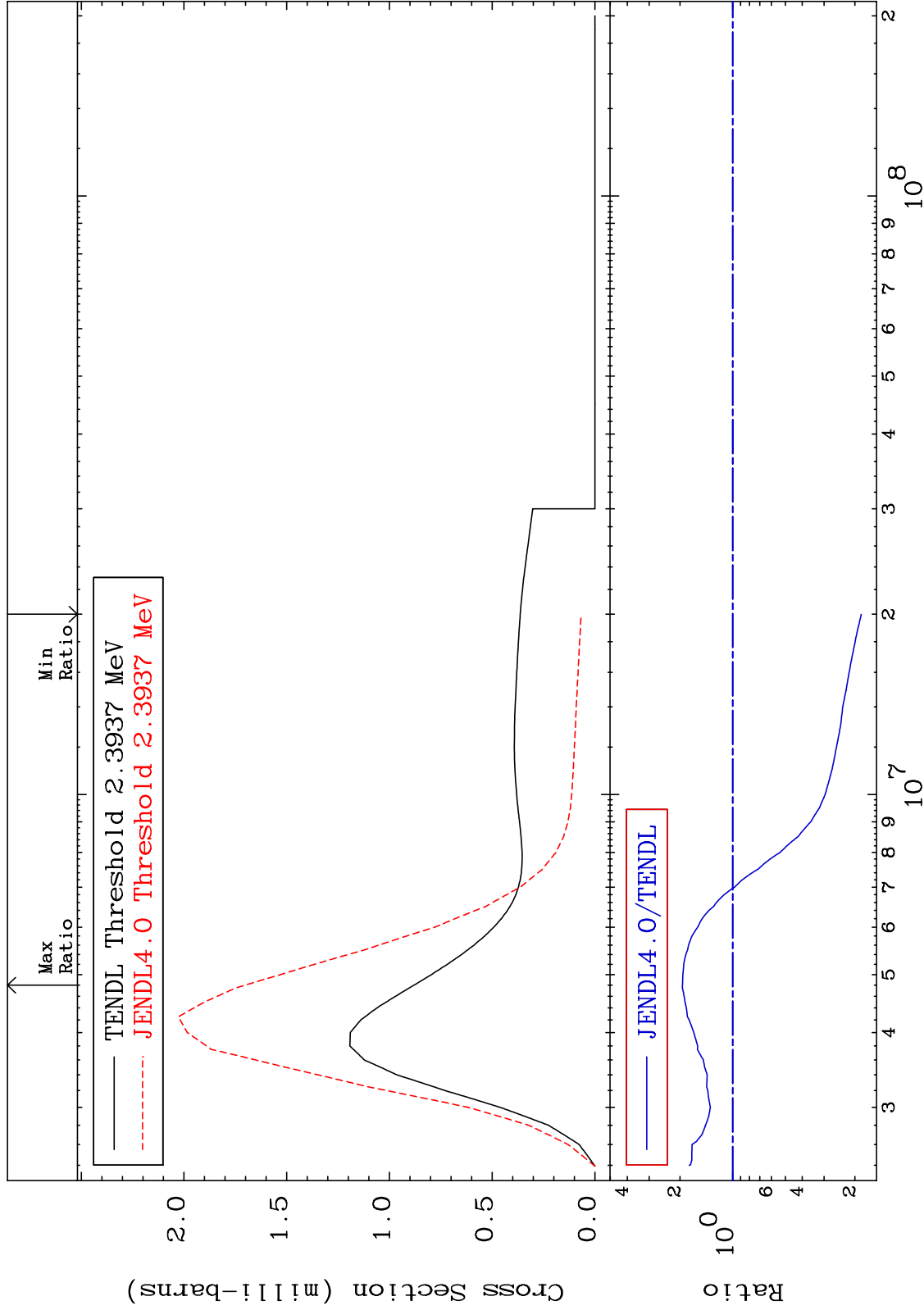
MAT 5443 MT= 71 (n,n') Level Cross Section 54-Xe-130 To 9999. %
 0.500



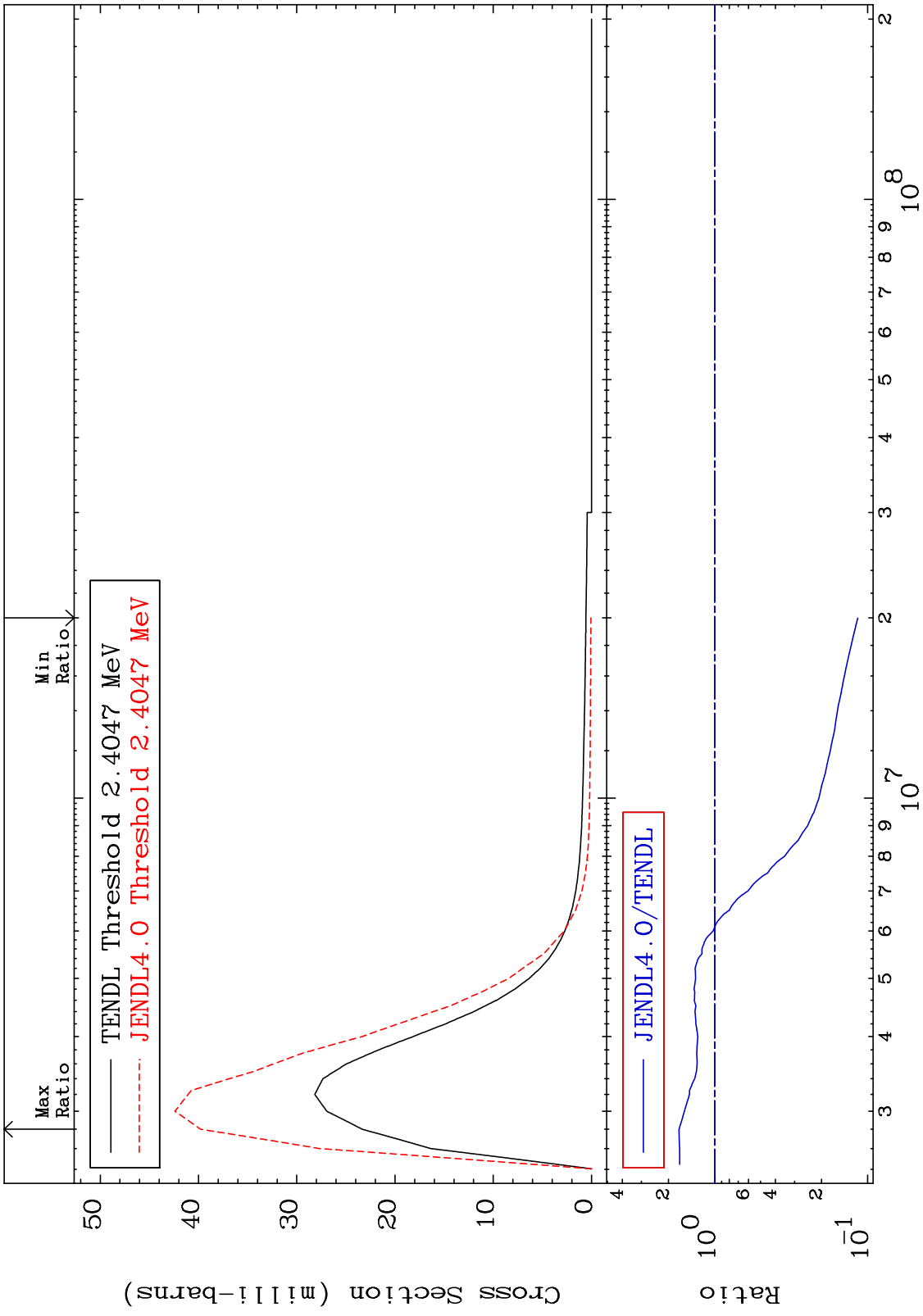
MAT 5443

MT= 72 (n,n') Level
Cross Section

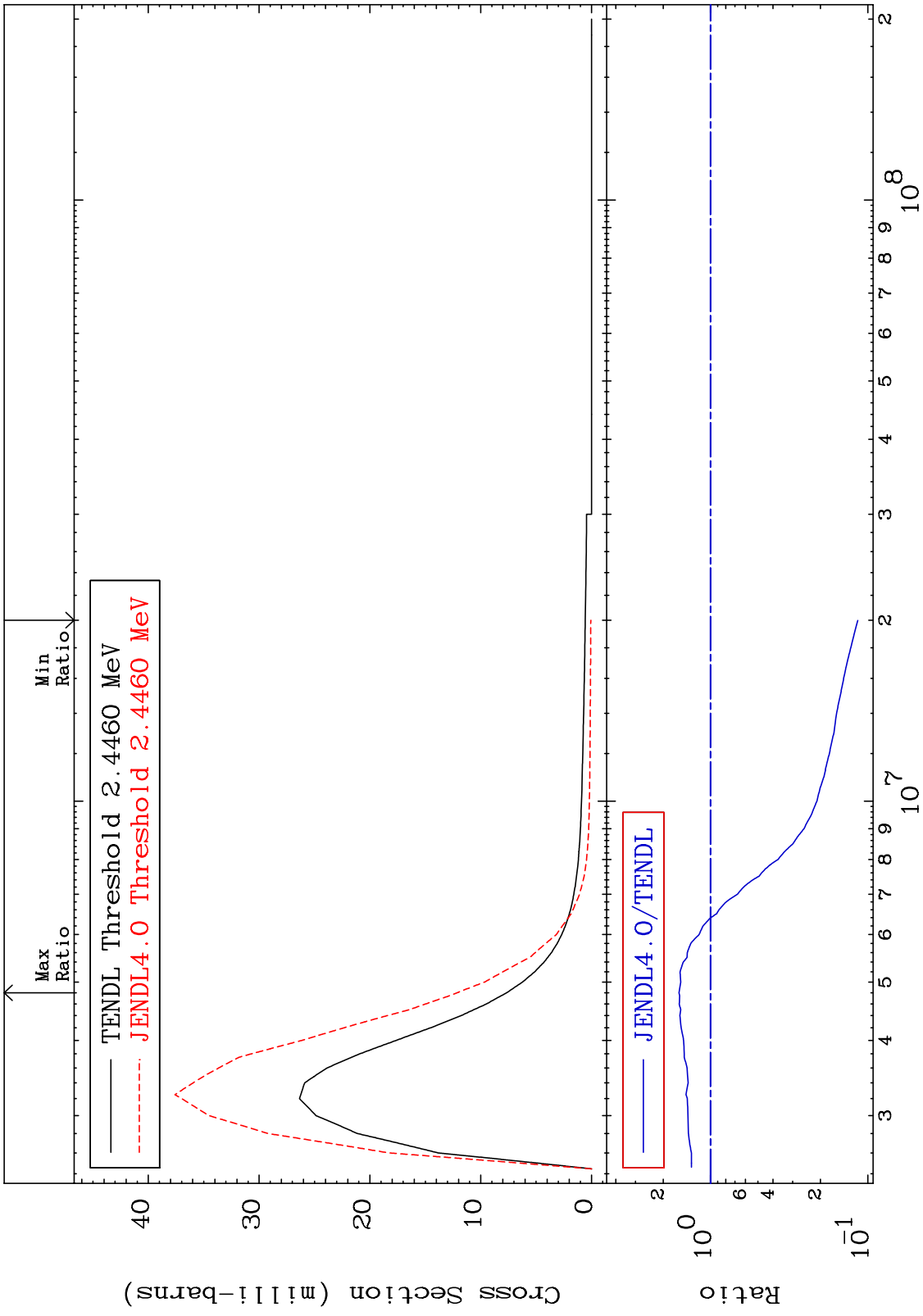
54-Xe-130
-81.60 To 93.44 %



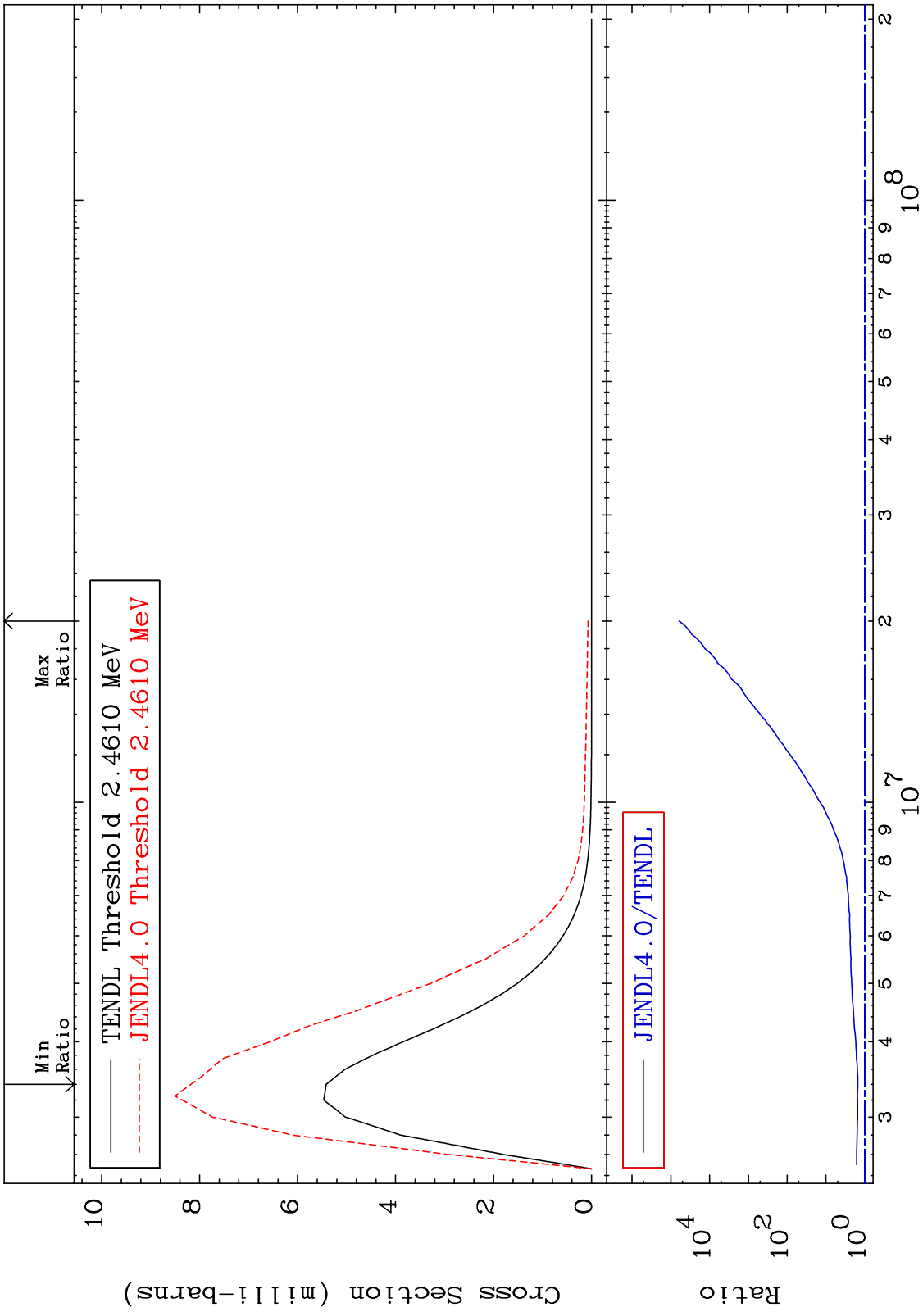
MAT 5443 MT= 73 (n,n') Level Cross Section 54-Xe-130
 -88.42 To 70.49 %



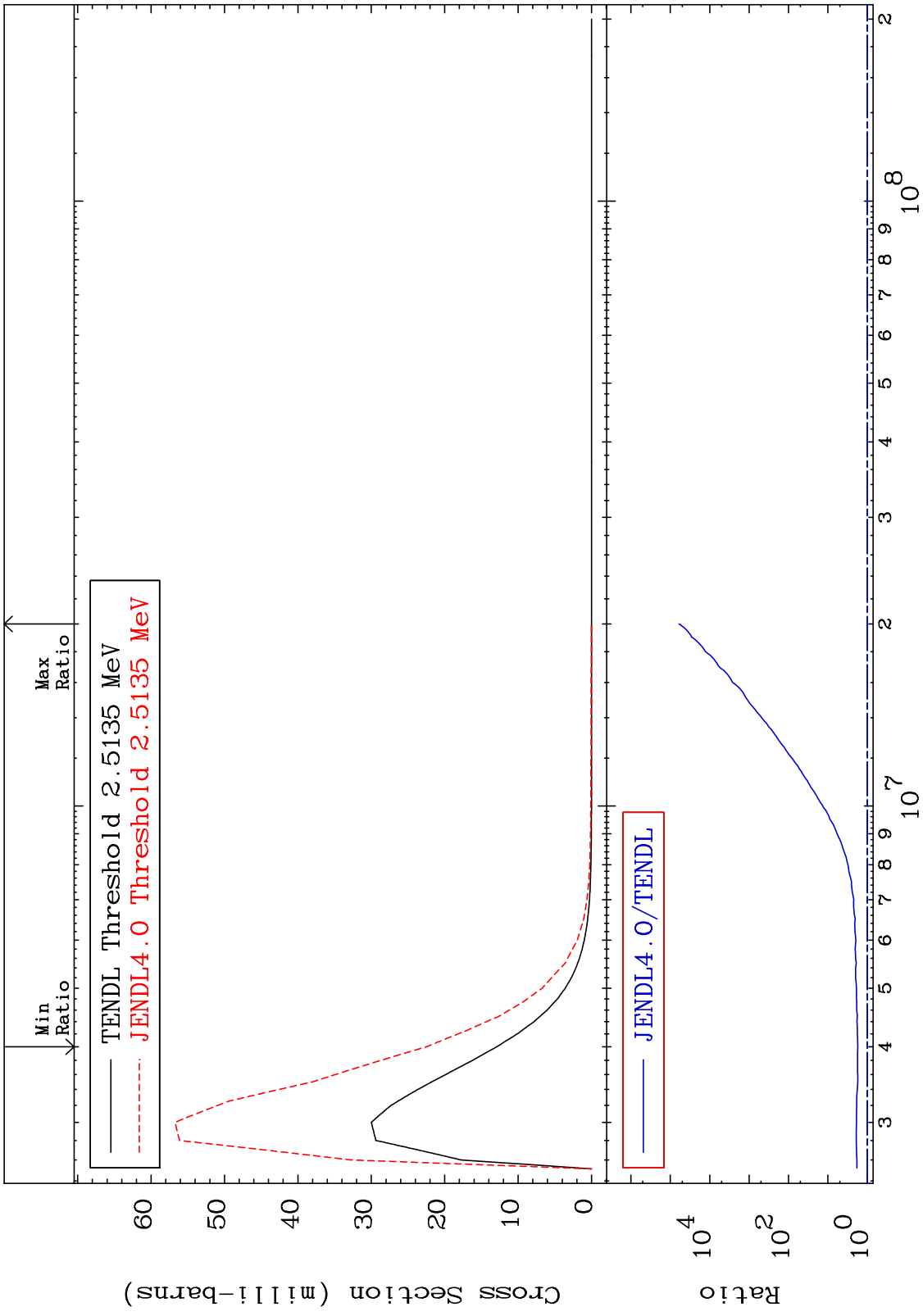
MAT 5443 MT= 74 (n,n') Level Cross Section 54-Xe-130
 -88.44 To 58.50 %



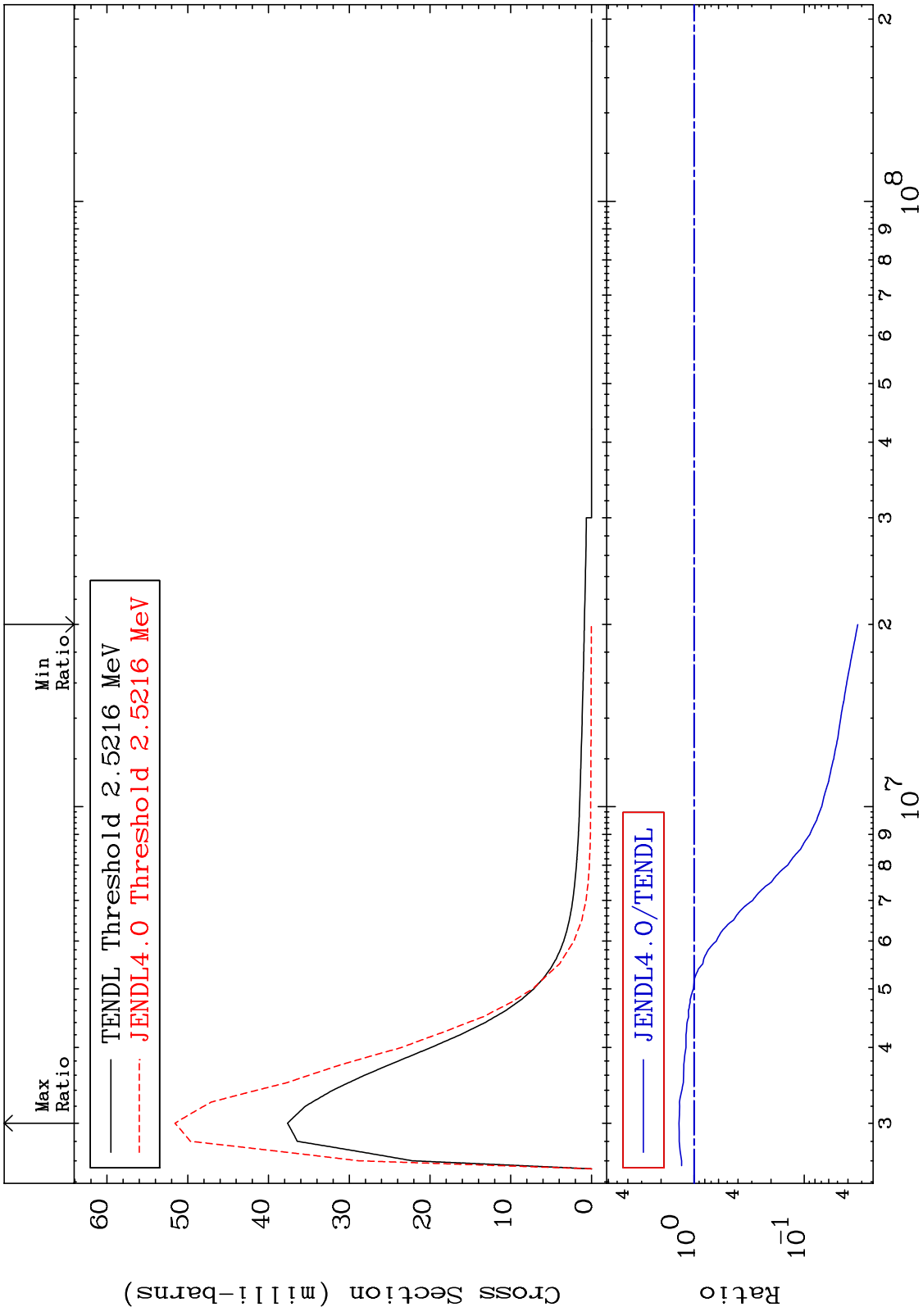
MAT 5443 MT= 75 (n,n') Level Cross Section 54-Xe-130 50.97 To 9999. %



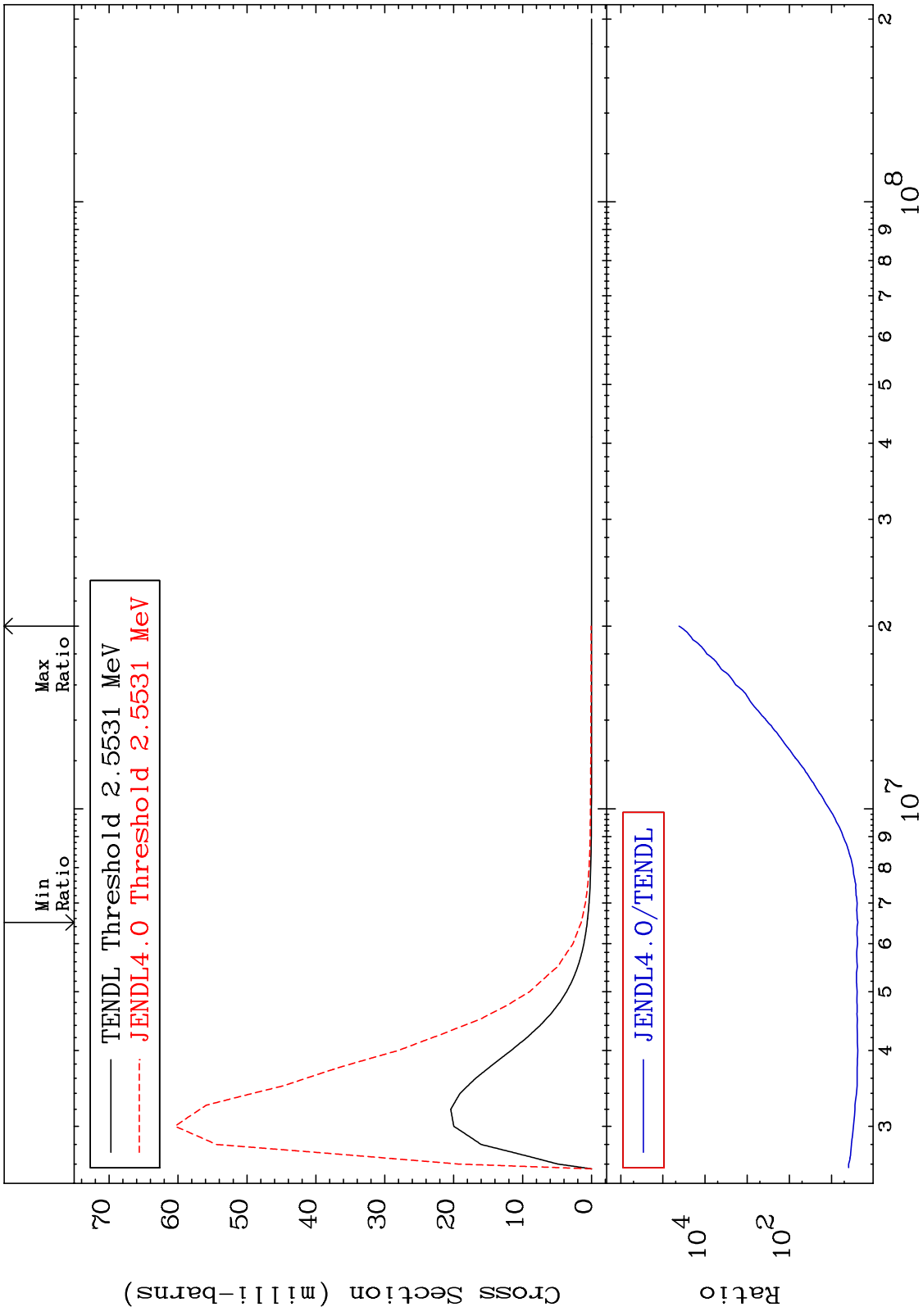
MAT 5443 MT= 76 (n,n') Level Cross Section 54-Xe-130 74.20 To 9999. %



MAT 5443 MT= 77 (n,n') Level Cross Section 54-Xe-130 -96.74 To 37.04 %

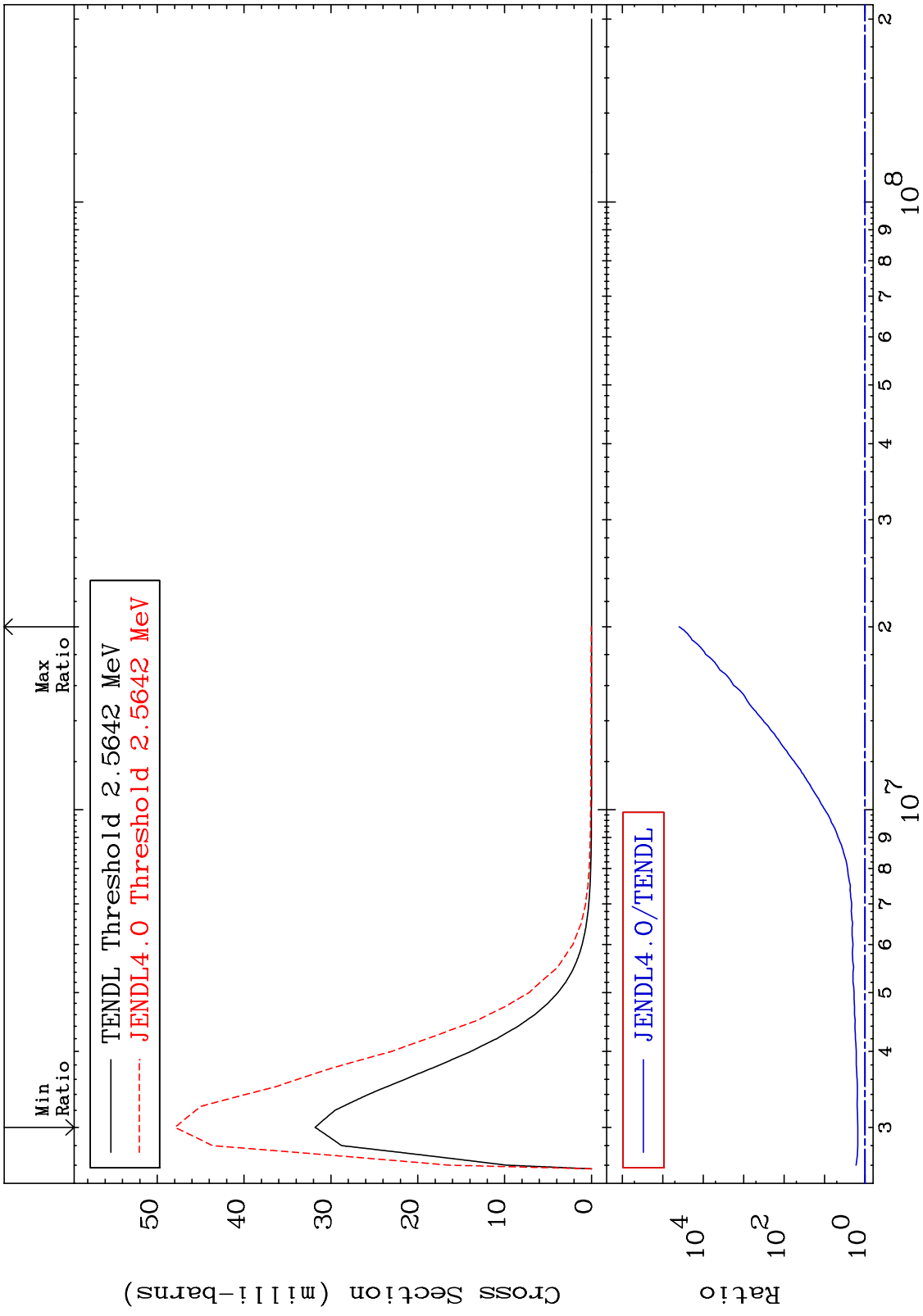


MAT 5443 MT= 78 (n,n') Level Cross Section 54-Xe-130
 138.4 To 9999. %

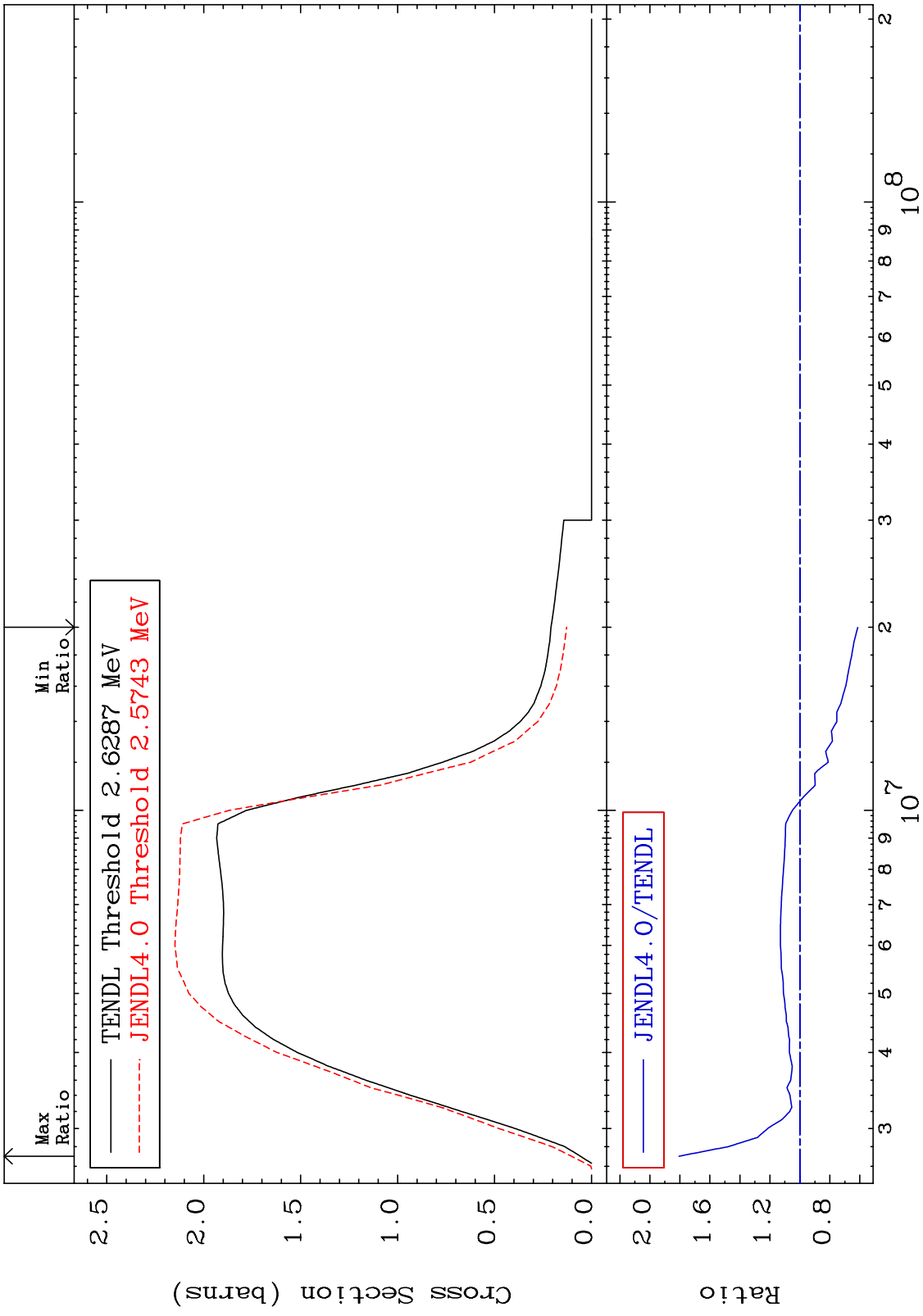


36 Incident Energy (eV) 54-Xe-130

MAT 5443 MT= 79 (n,n') Level Cross Section 54-Xe-130 To 9999. %
 50.72

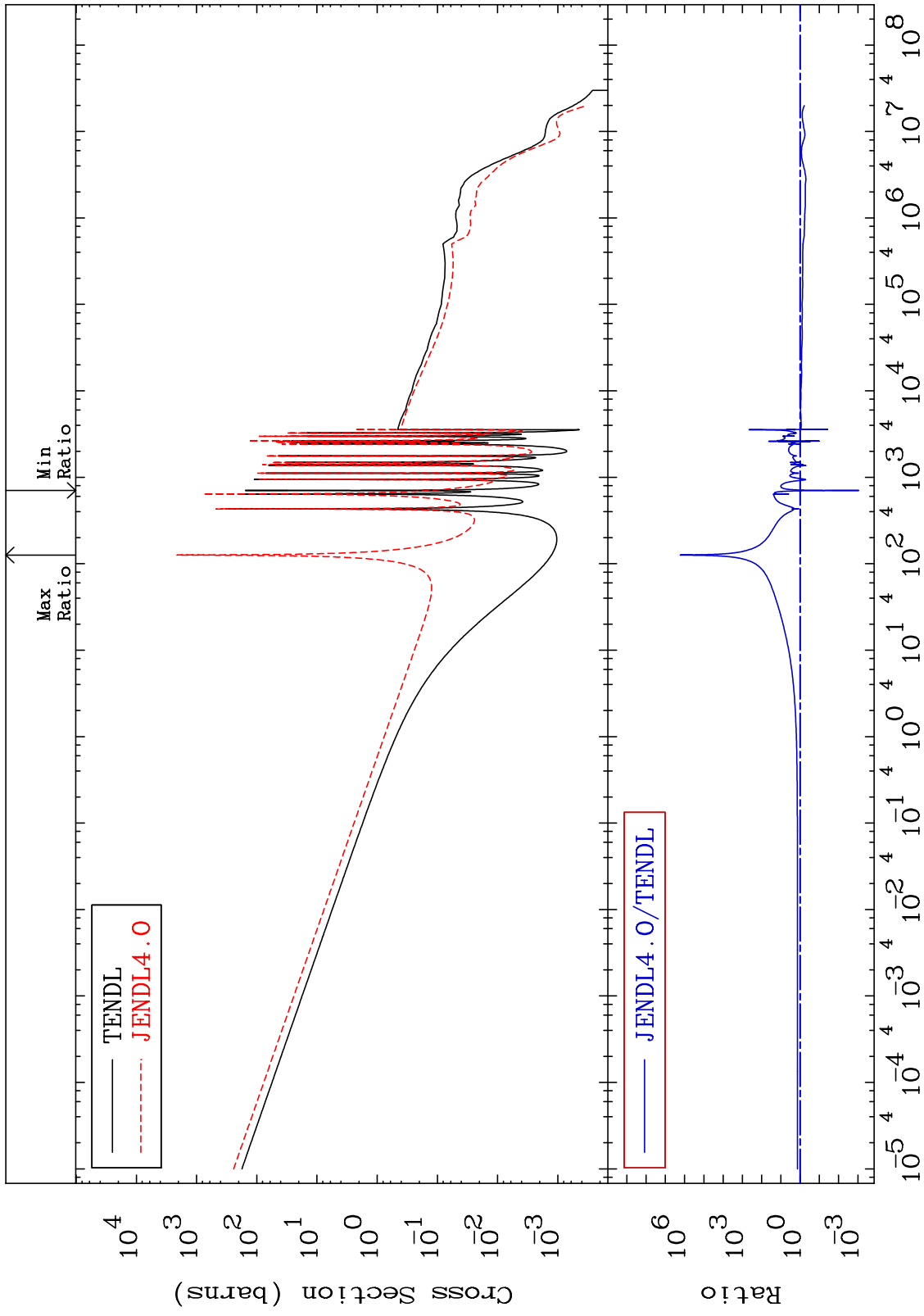


MAT 5443 (n, n') Continuum Cross Section 54-Xe-130 -38.65 To 80.54 %

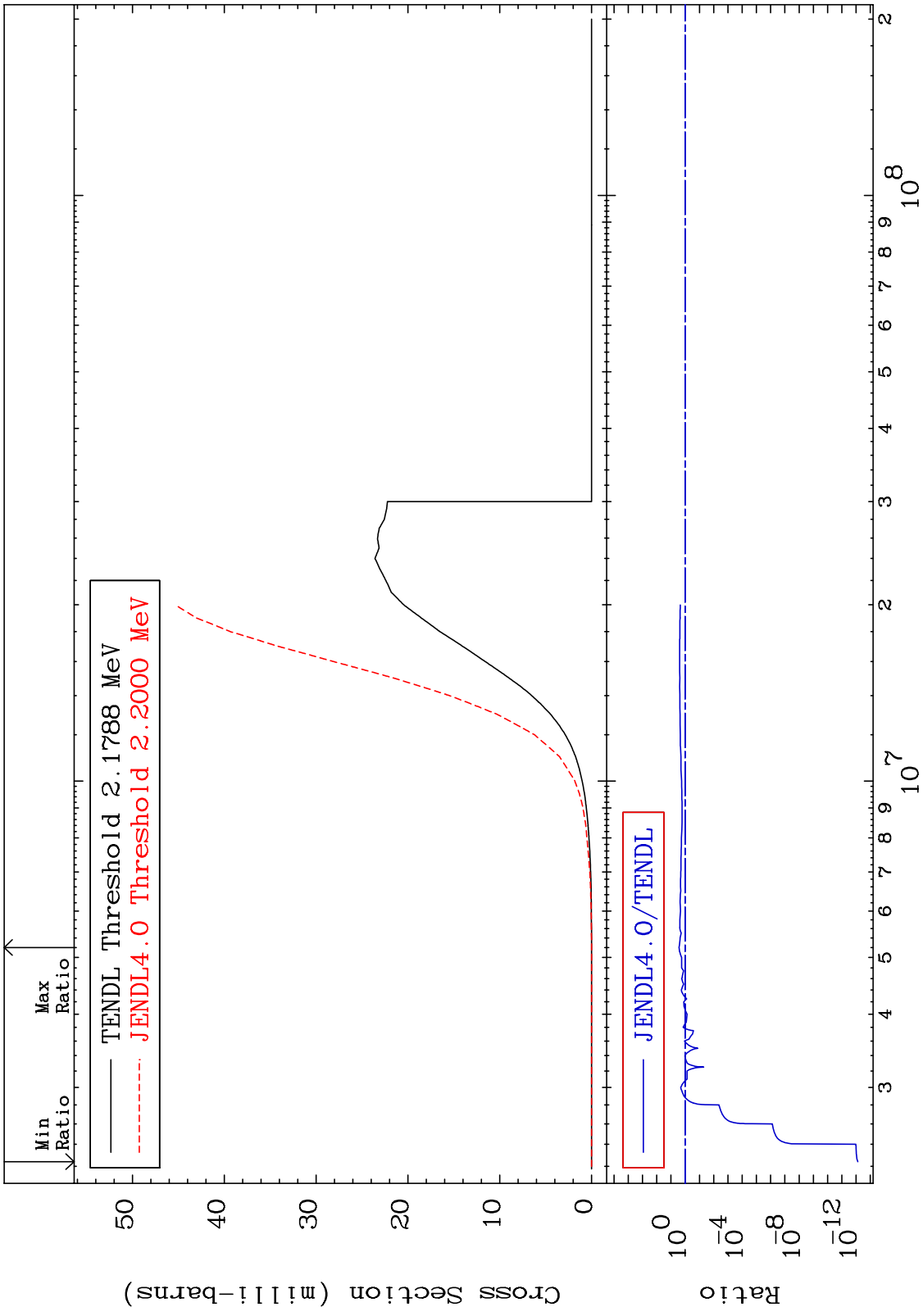


MAT 5443

(n, γ) Cross Section
54-Xe-130
-99.91 To 9999. %

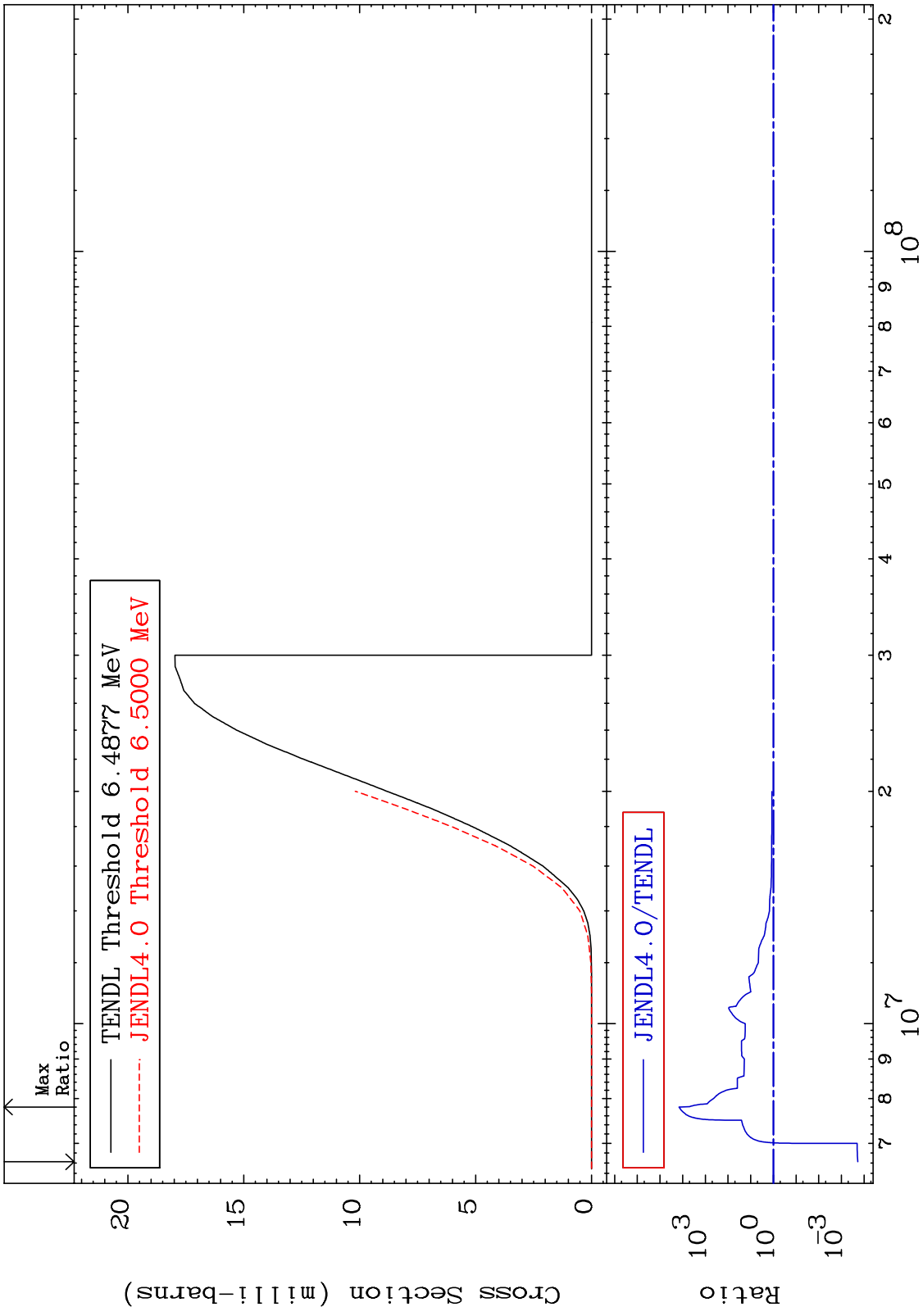


MAT 5443 (n,p) Cross Section 54-Xe-130 -100.0 To 169.5 %

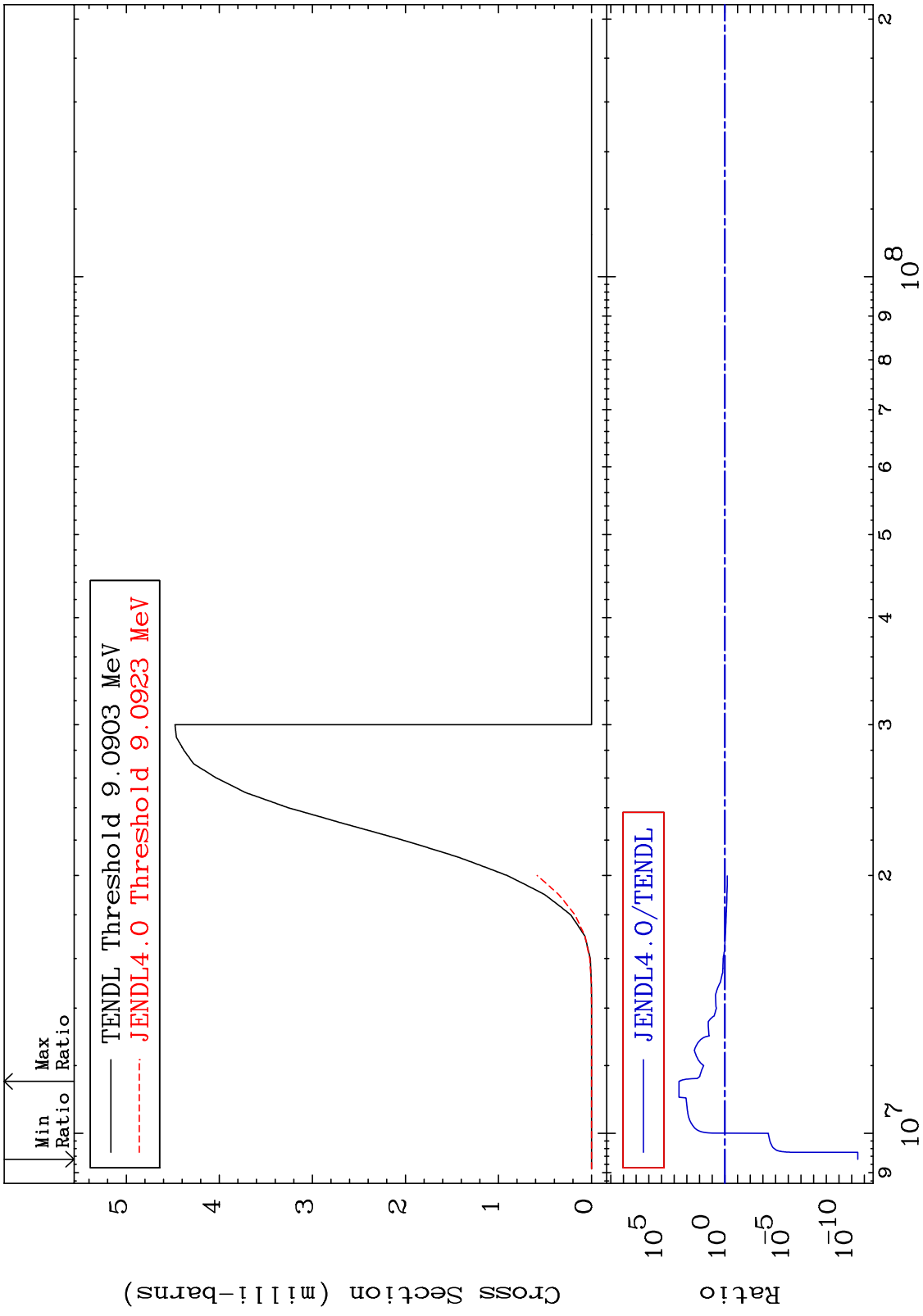


40 54-Xe-130 Incident Energy (eV)

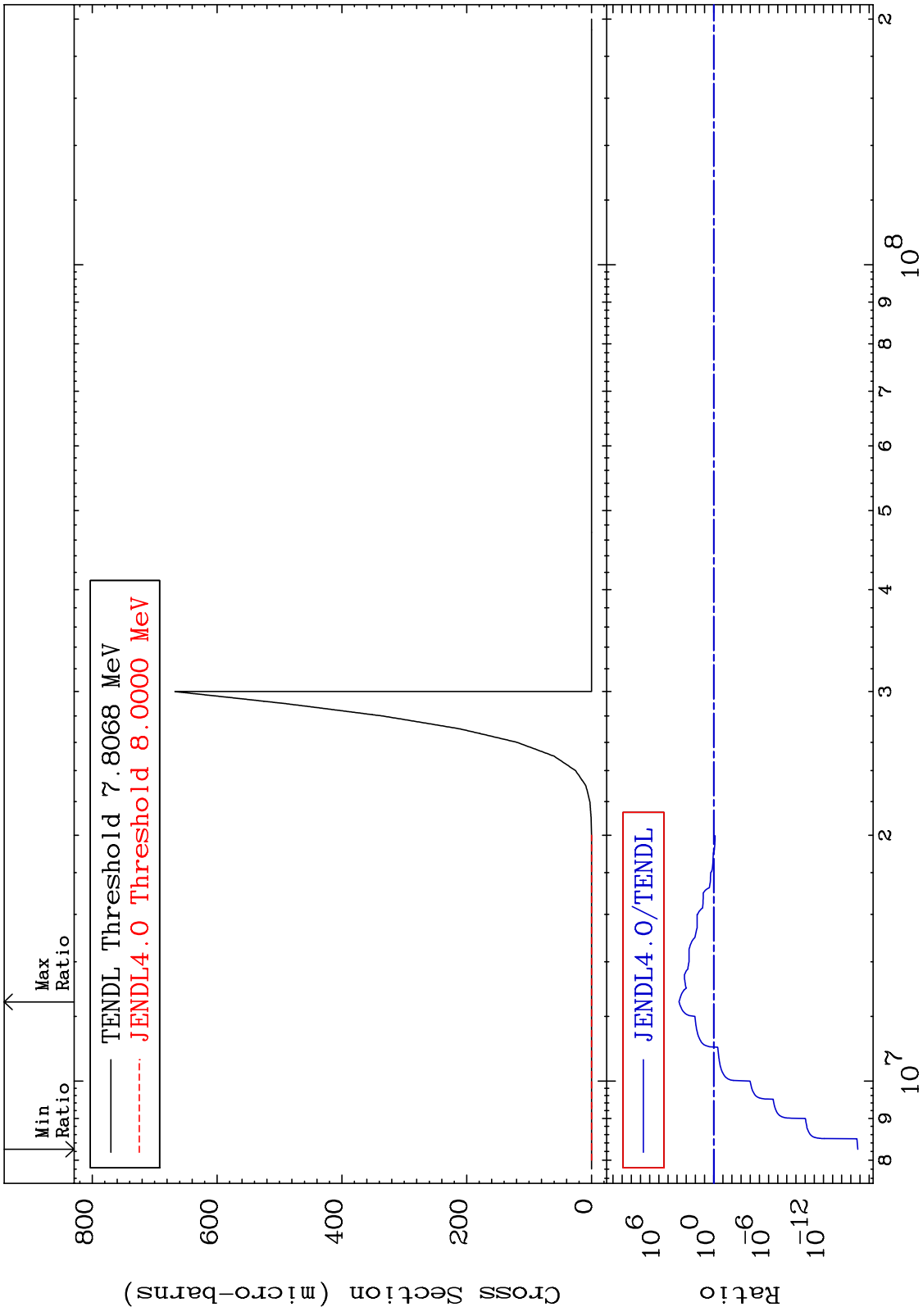
MAT 5443 (n,d) 54-Xe-130
 Cross Section -99.98 To 9999. %



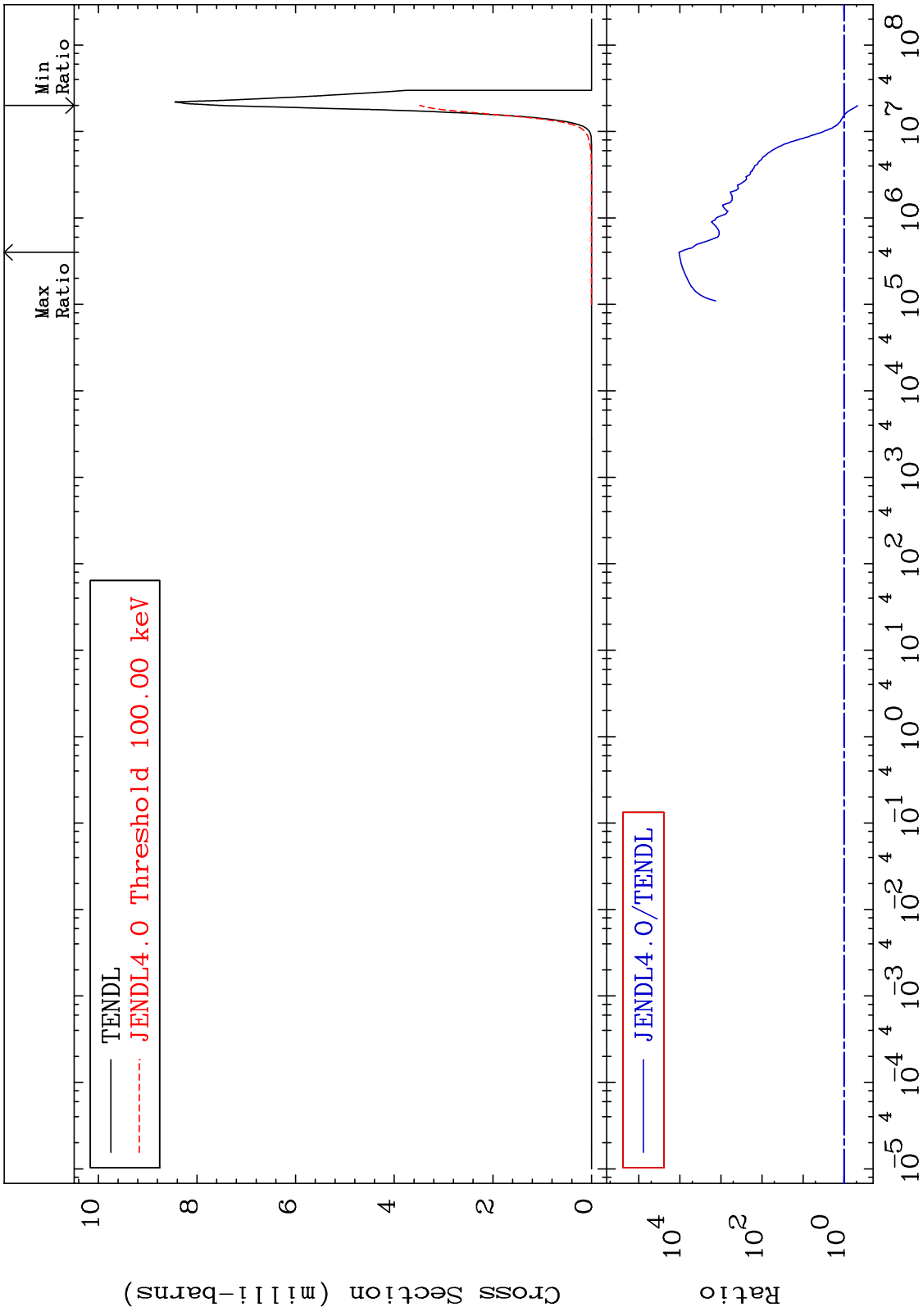
MAT 5443 (n,t) 54-Xe-130
 Cross Section -100.0 To 9999. %

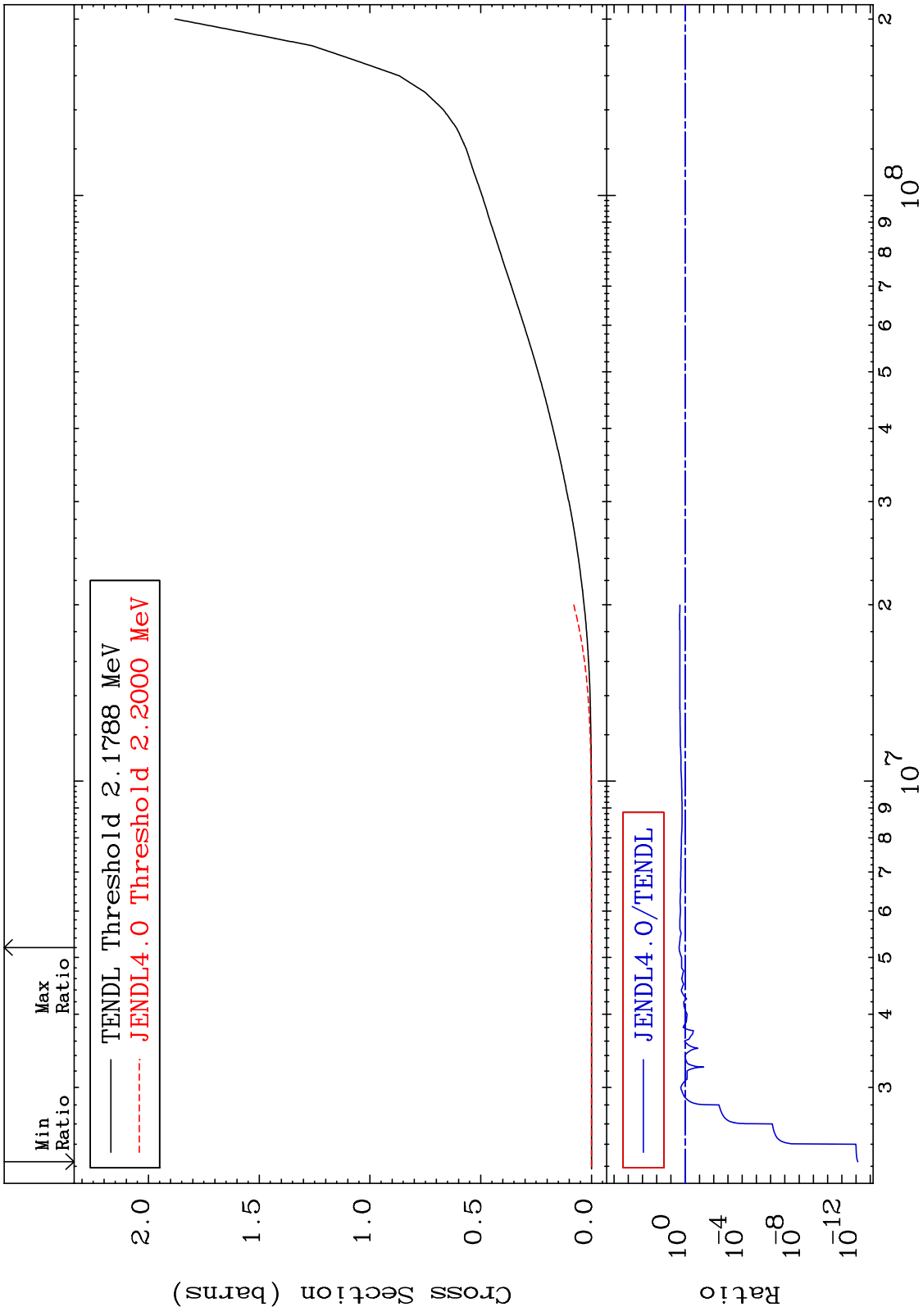


MAT 5443 (n, He-3) 54-Xe-130
 Cross Section -100.0 To 9999. %



MAT 5443 (n,α) Cross Section 54-Xe-130
 -53.64 To 9999. %

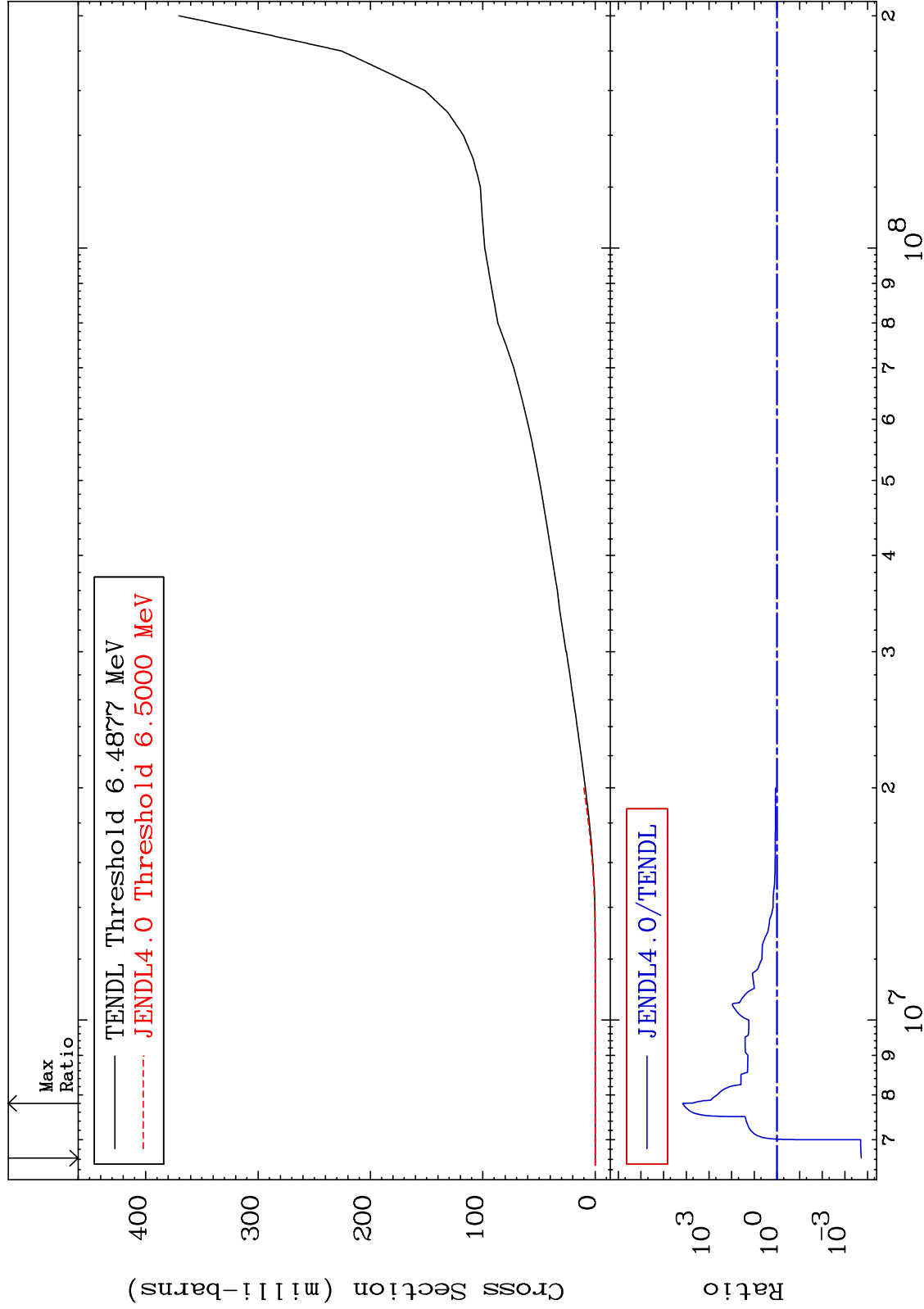




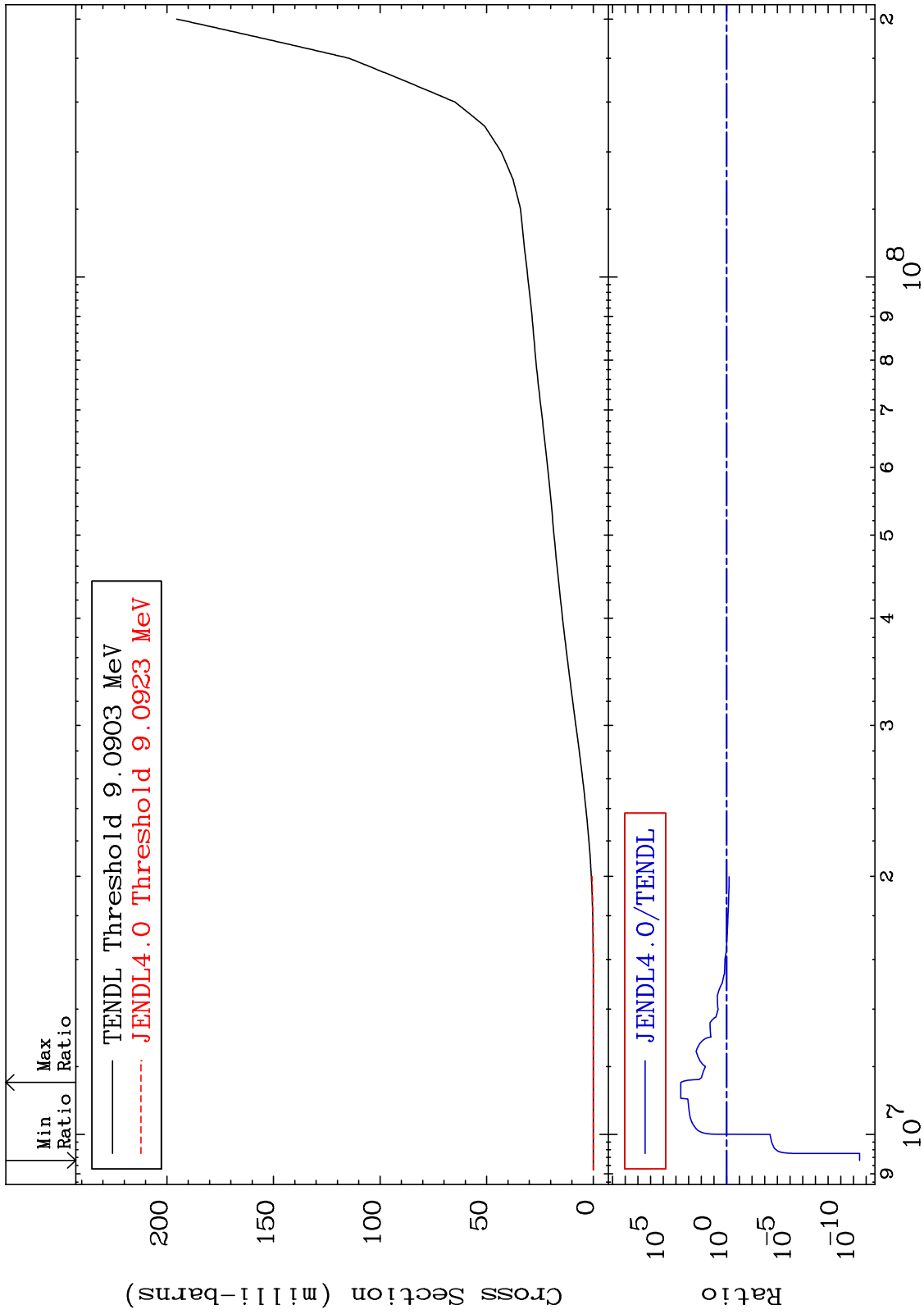
MAT 5443

Deuterium Production Cross Section

54-Xe-130
-99.98 To 9999. %



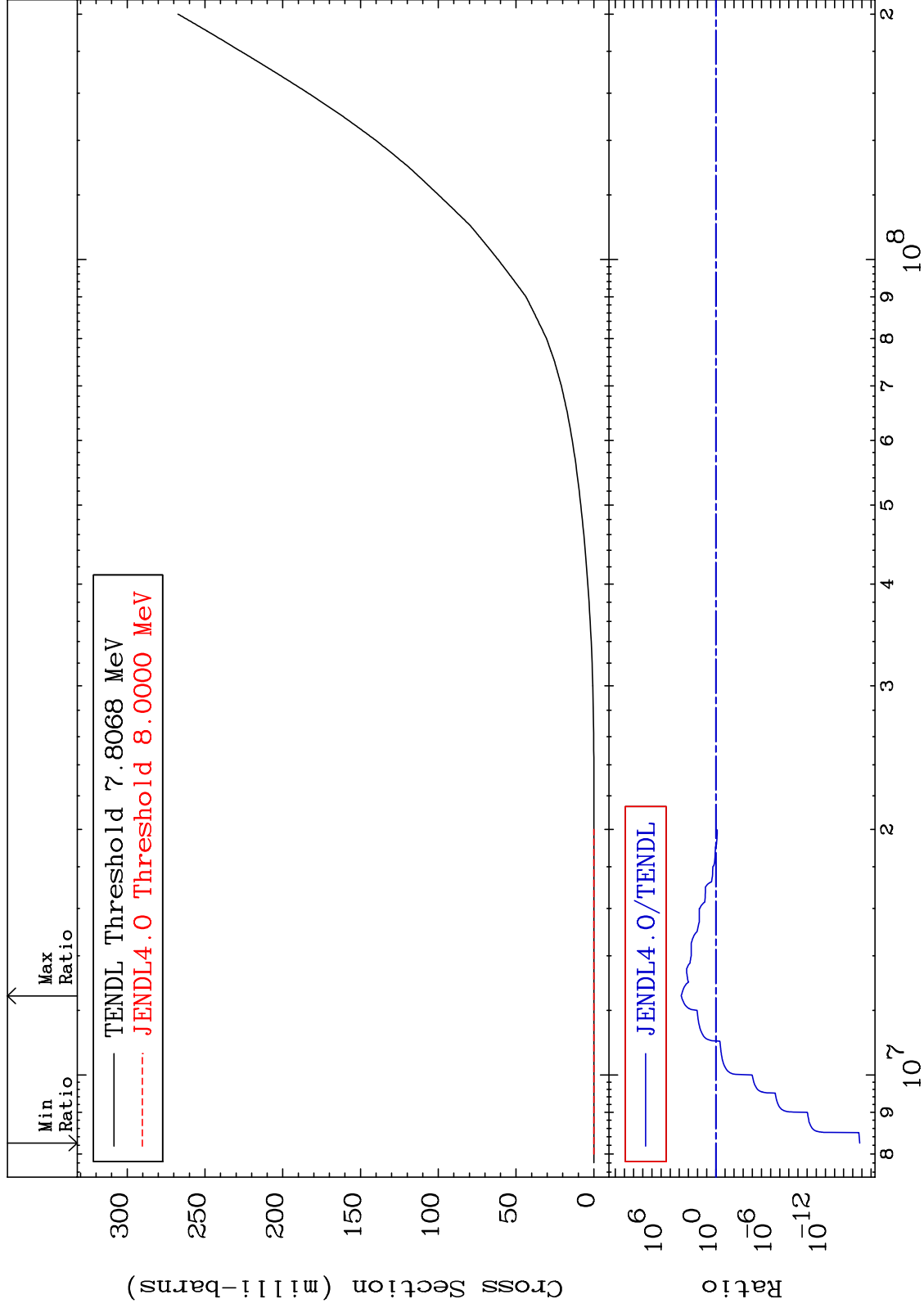
MAT 5443 Tritium Production Cross Section 54-Xe-130 -100.0 To 9999. %



MAT 5443

He-3 Production
Cross Section

54-Xe-130
-100.0 To 9999. %



48

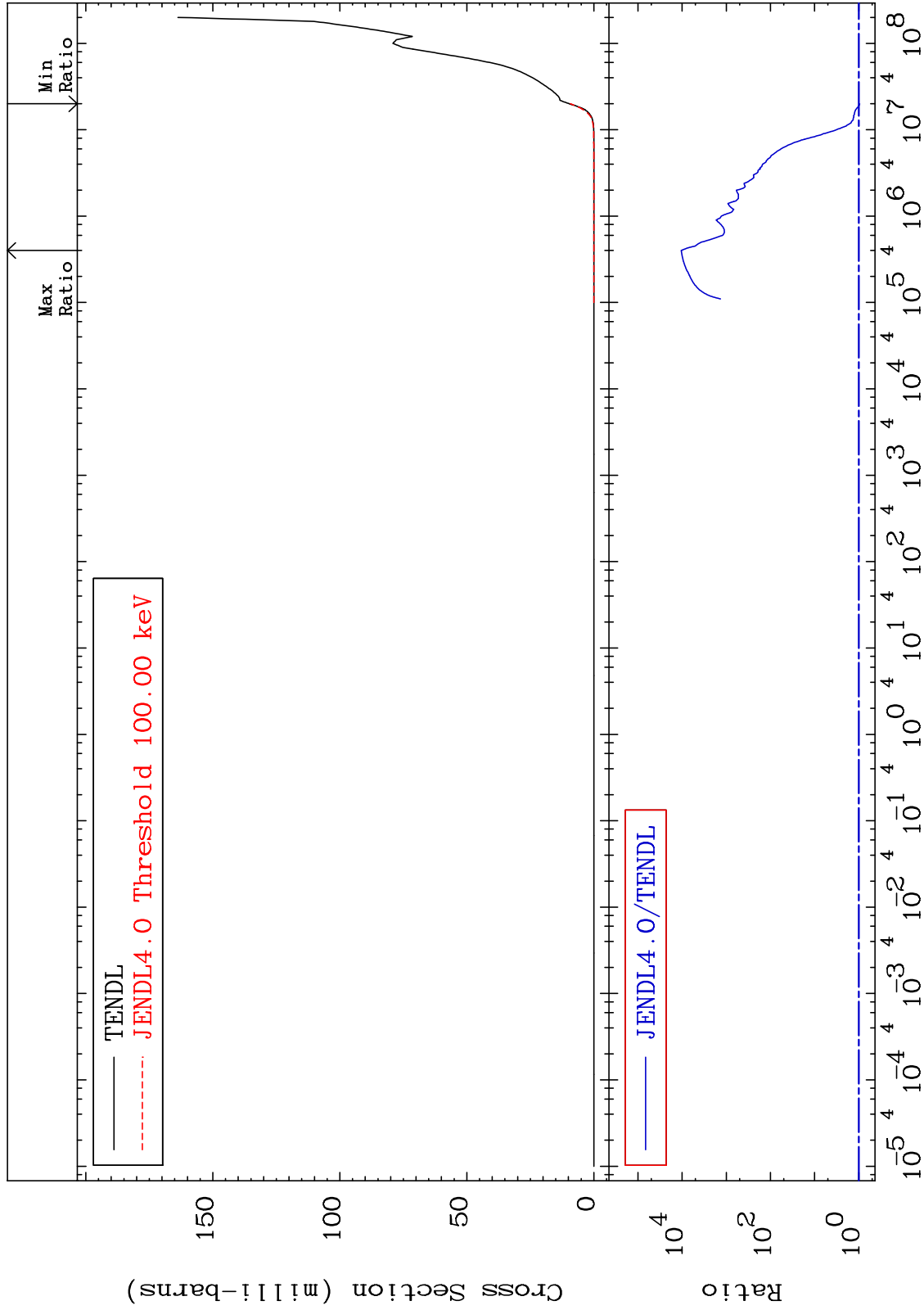
Incident Energy (eV)

54-Xe-130

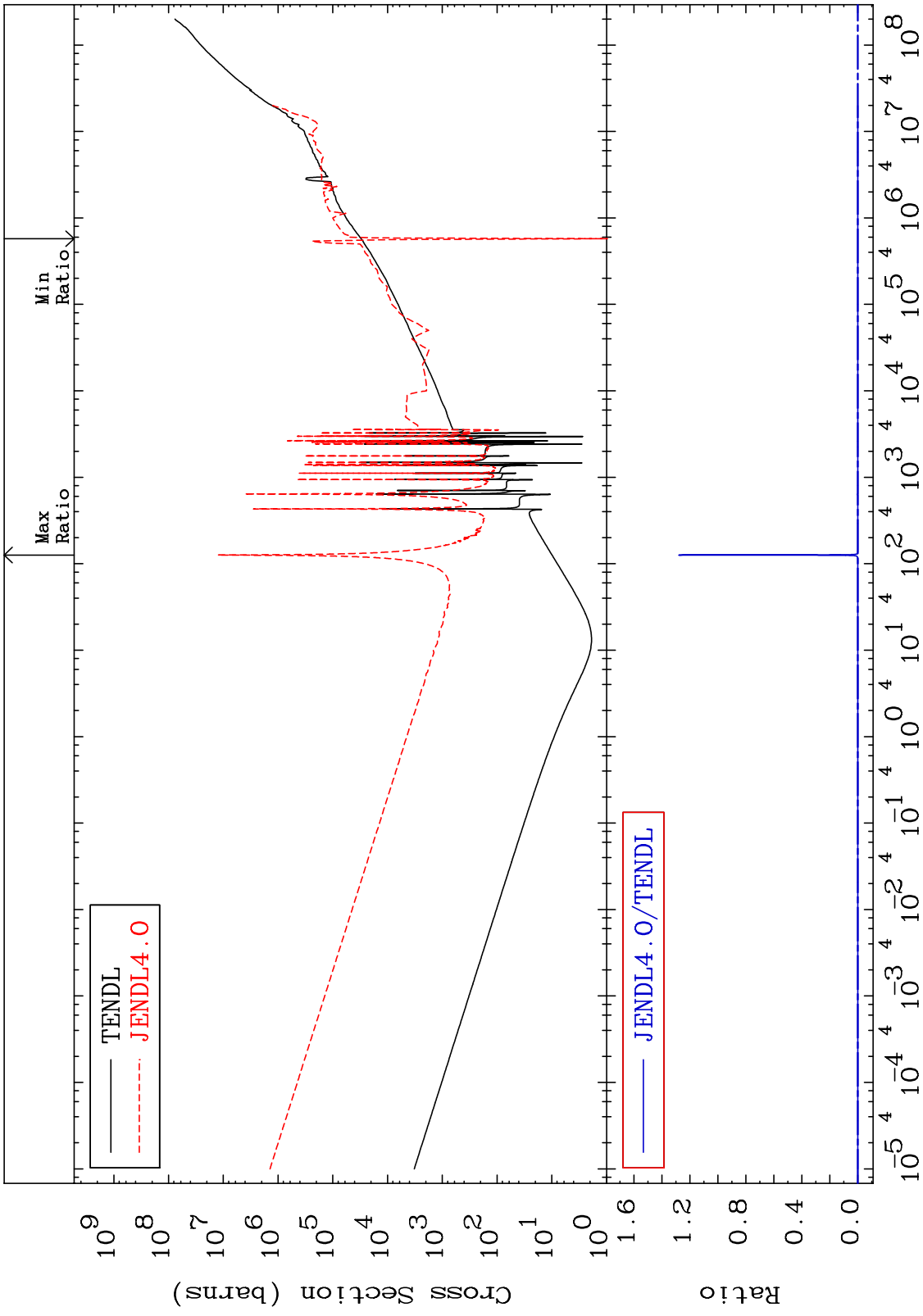
MAT 5443

He-4 Production
Cross Section

54-Xe-130
-4.887 To 9999. %



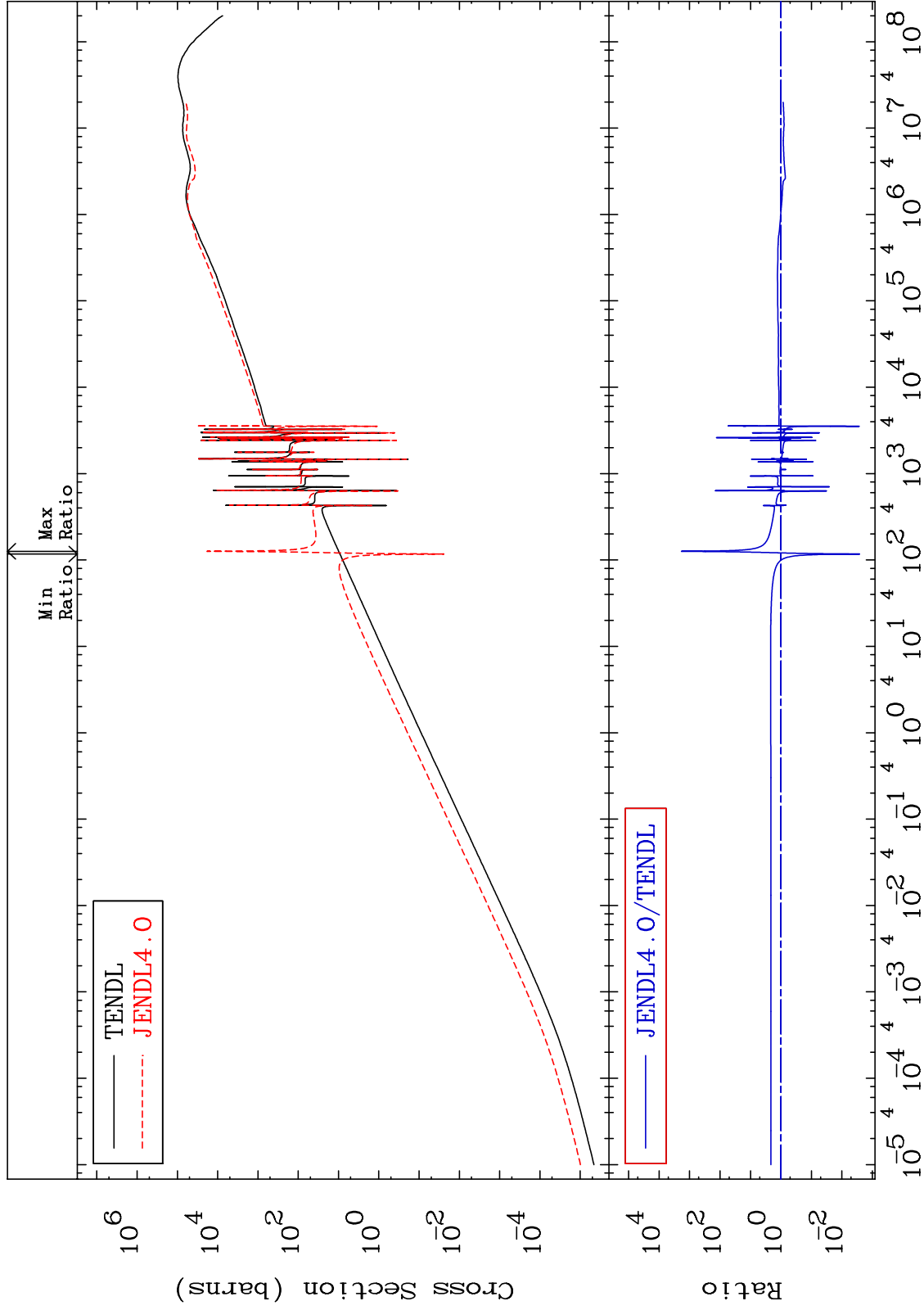
MAT 5443 Kerma total (eV-barns) 54-Xe-130
 Cross Section -100.9 To 9999. %



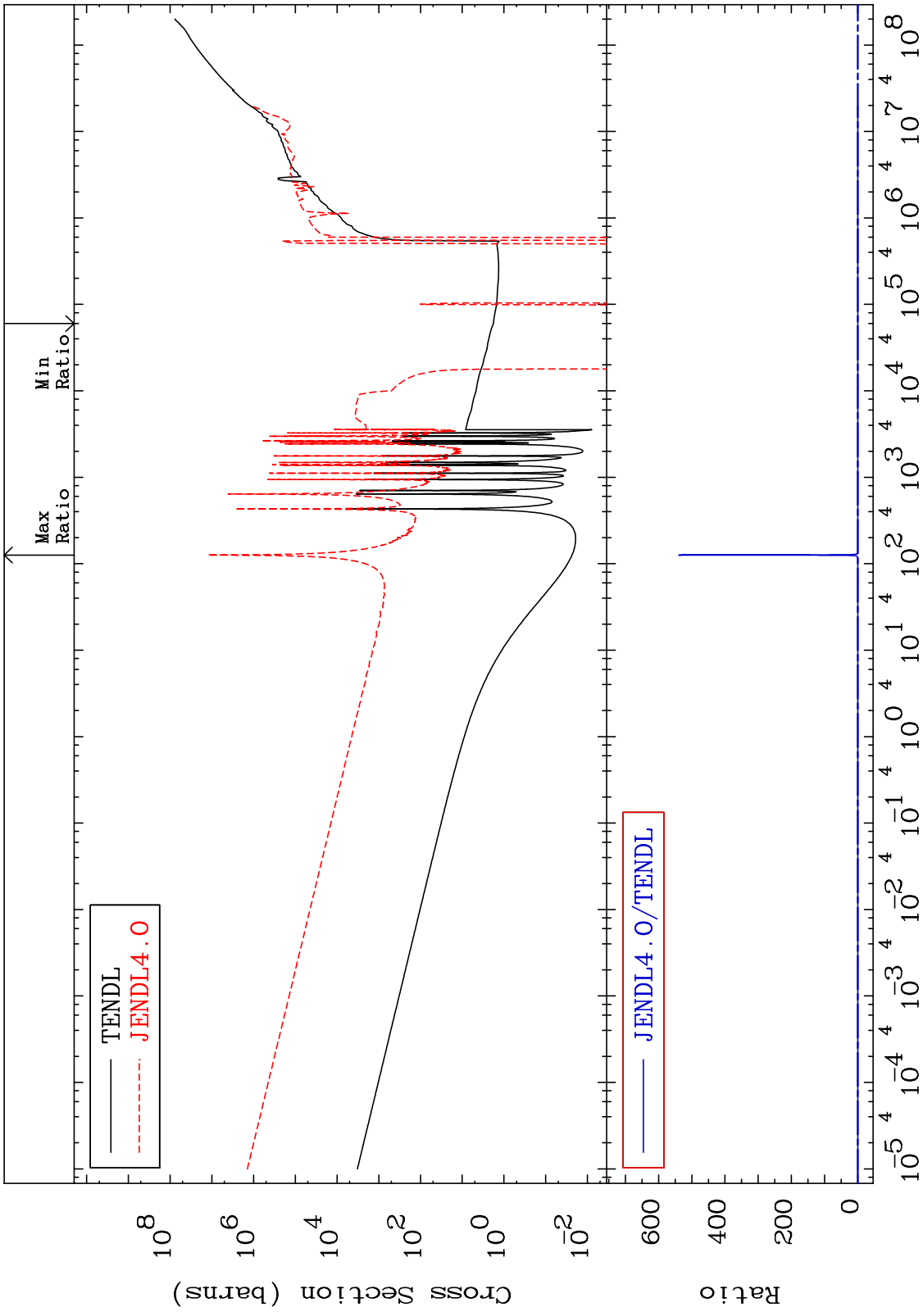
MAT 5443

Kerma elastic
Cross Section

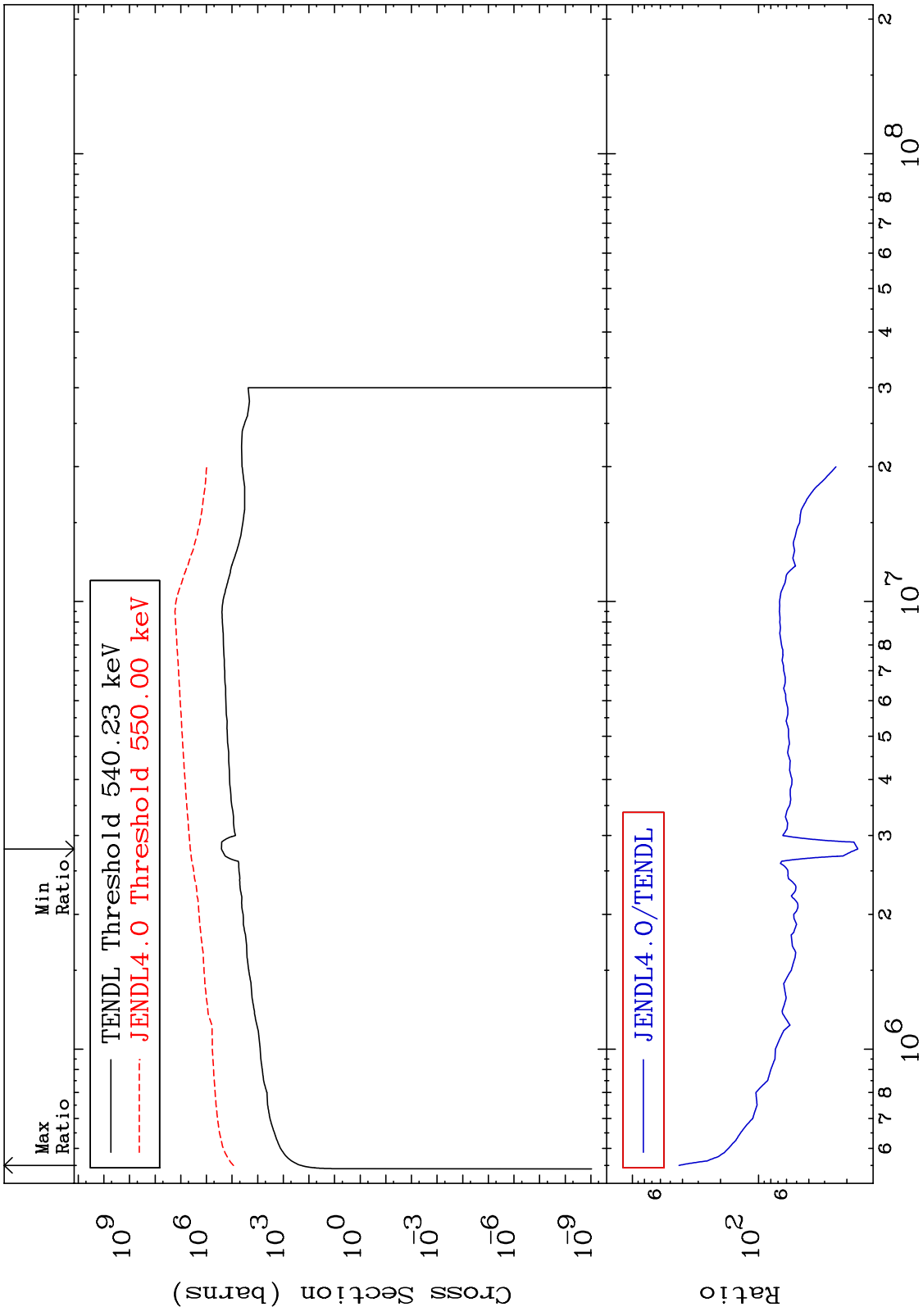
54-Xe-130
-99.74 To 9999. %



MAT 5443 Kerma non-elastic (all but mt2) 54-Xe-130
 -9999. To 9999. %
 Cross Section



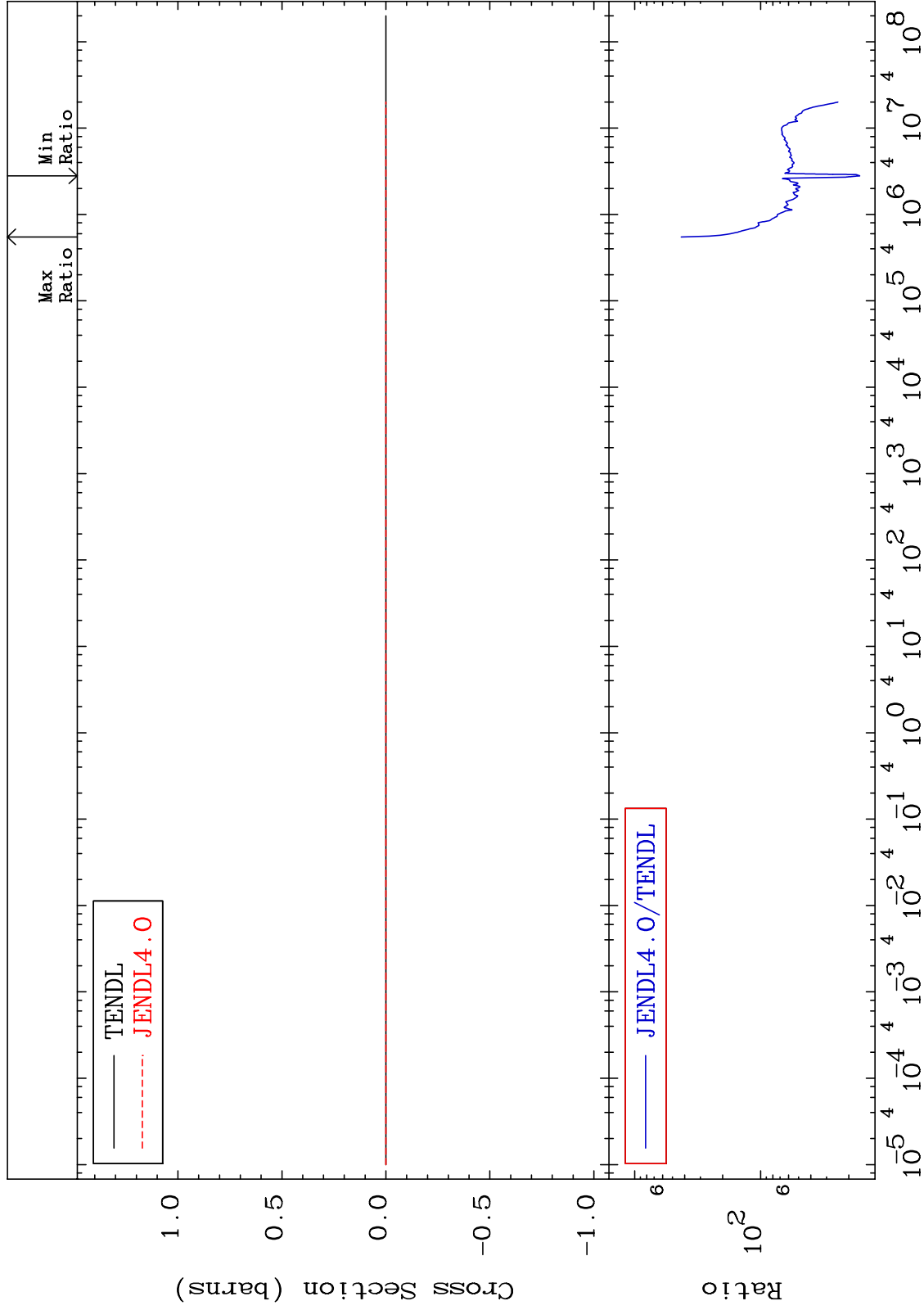
MAT 5443 Kerma inelastic (mt51-91) 54-Xe-130
 Cross Section 1535. To 9999. %



MAT 5443

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

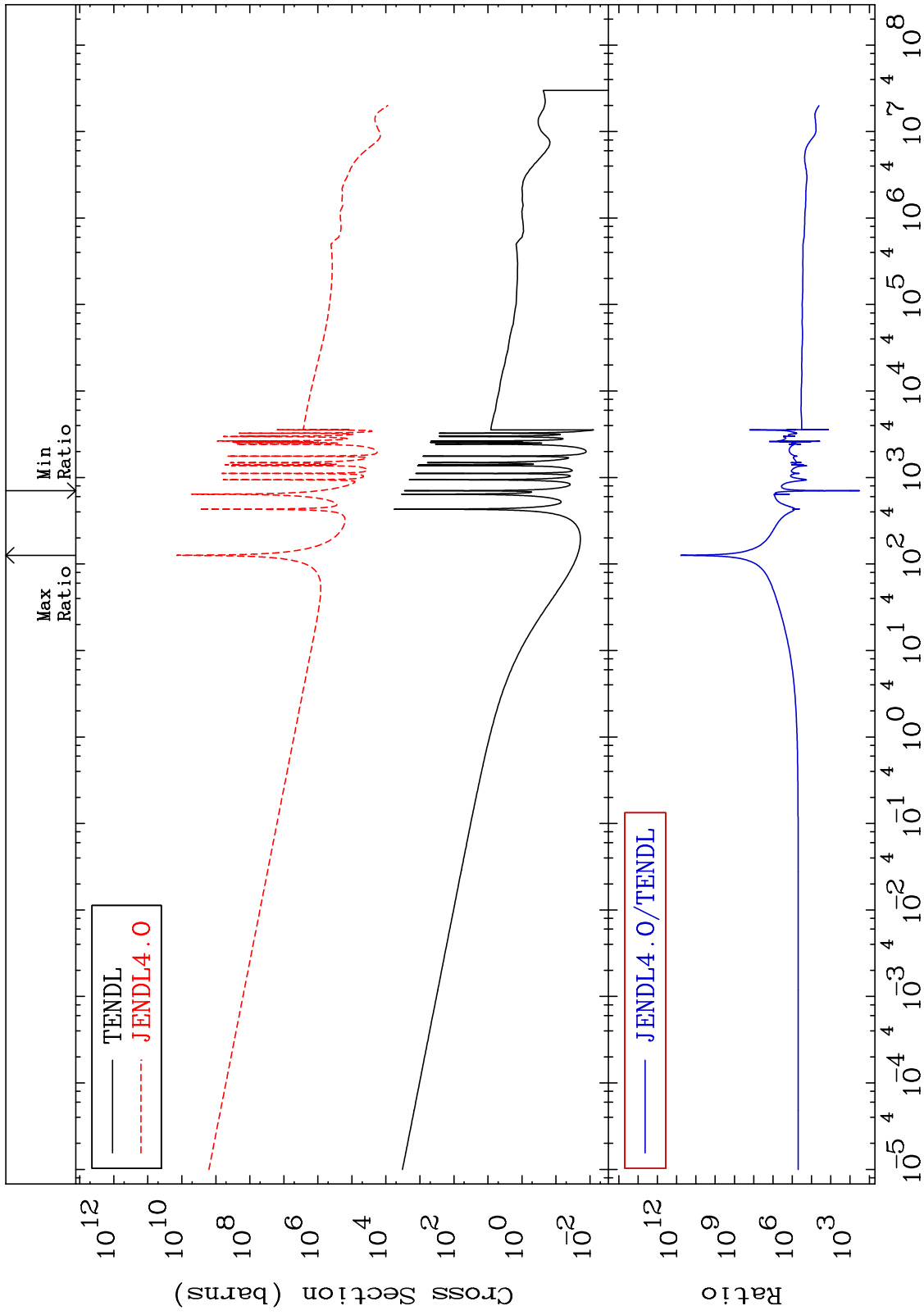
54-Xe-130
1535. To 9999. %



MAT 5443

Kerma capture (mt102)
Cross Section

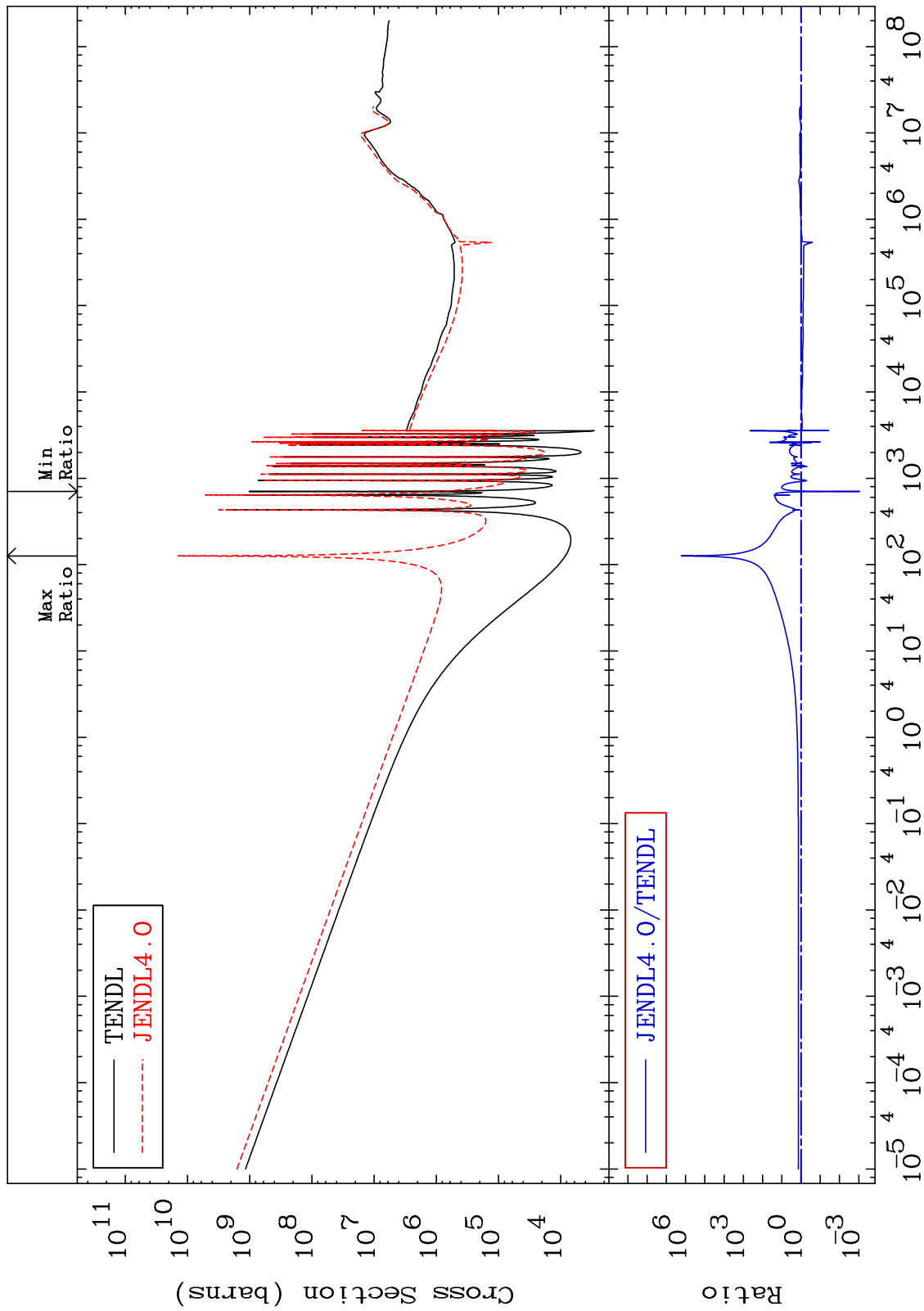
54-Xe-130
9999. To 9999. %



MAT 5443

Total photon (eV-barns)
Cross Section

54-Xe-130
-99.91 To 9999. %

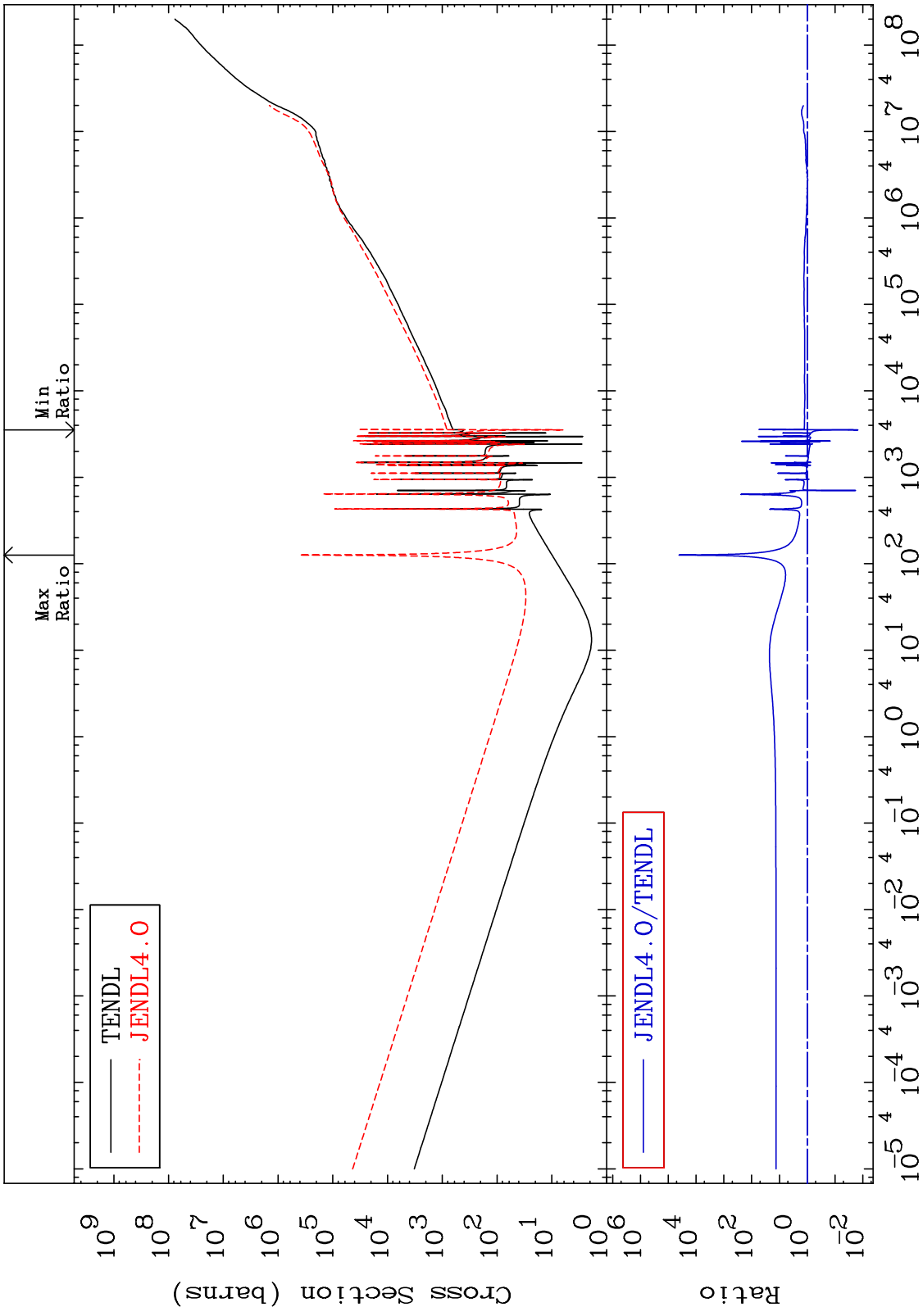


56

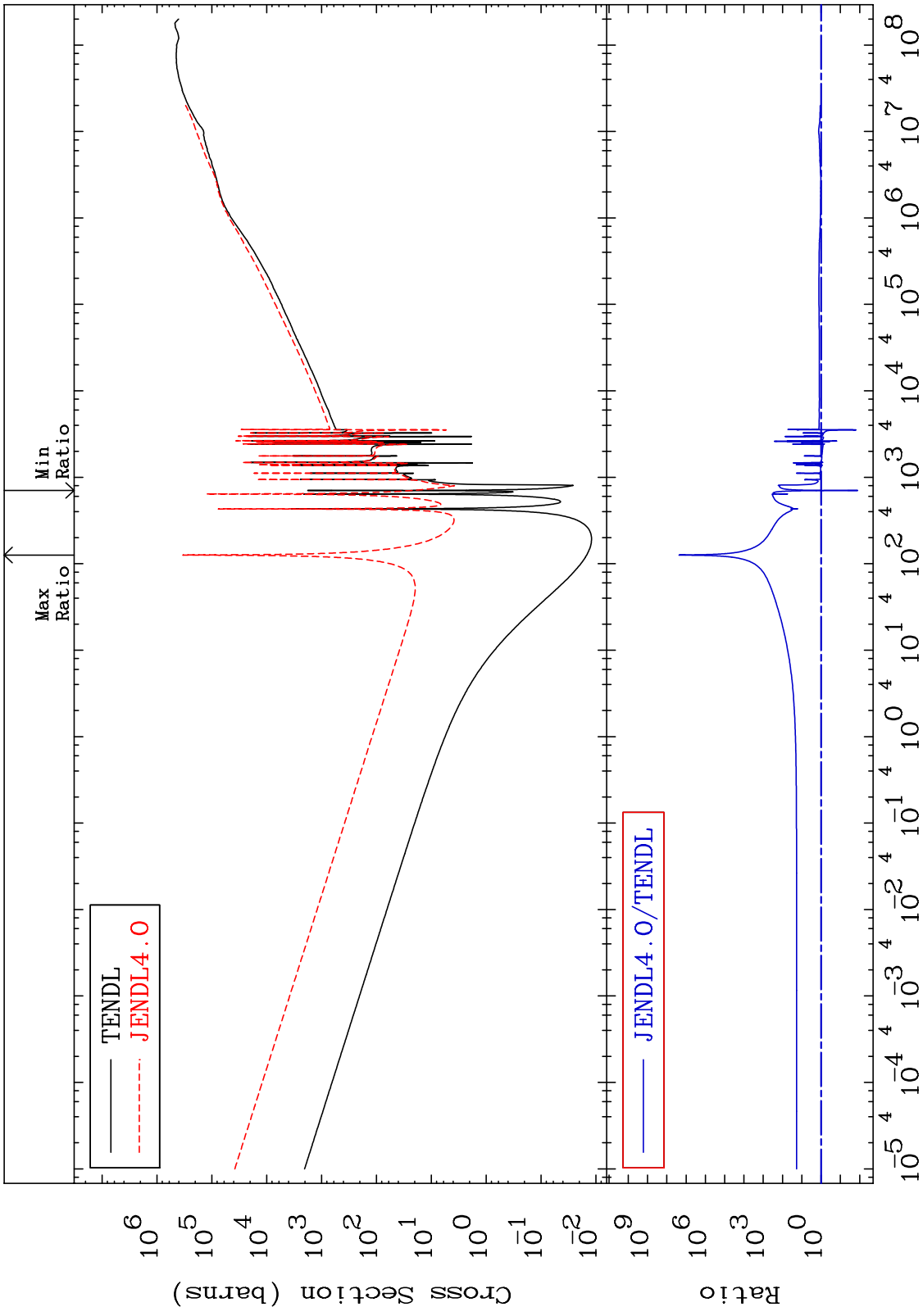
Incident Energy (eV)

54-Xe-130

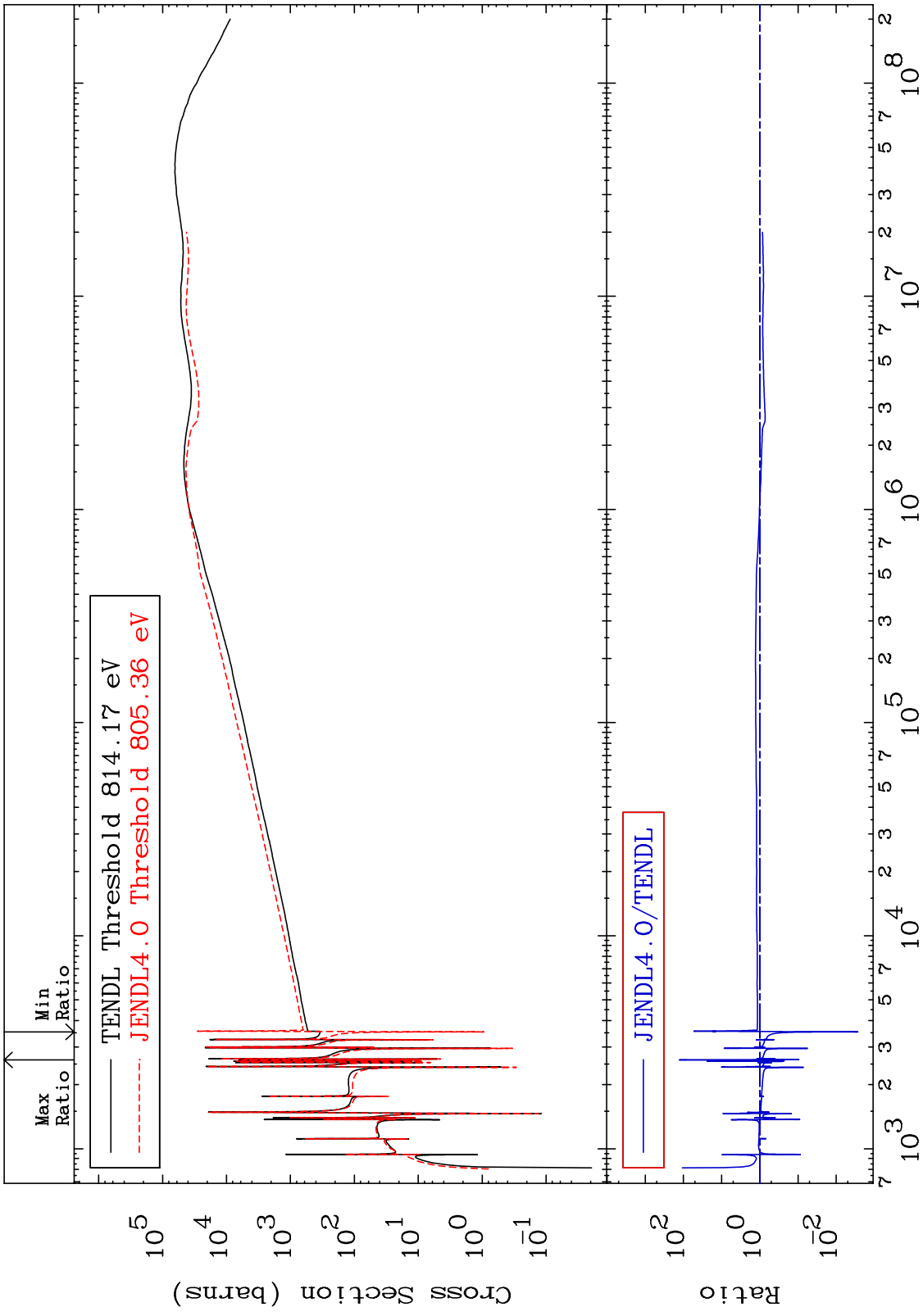
MAT 5443 Total kinematic kerma (high limit) 54-Xe-130
 Cross Section -98.49 To 9999. %



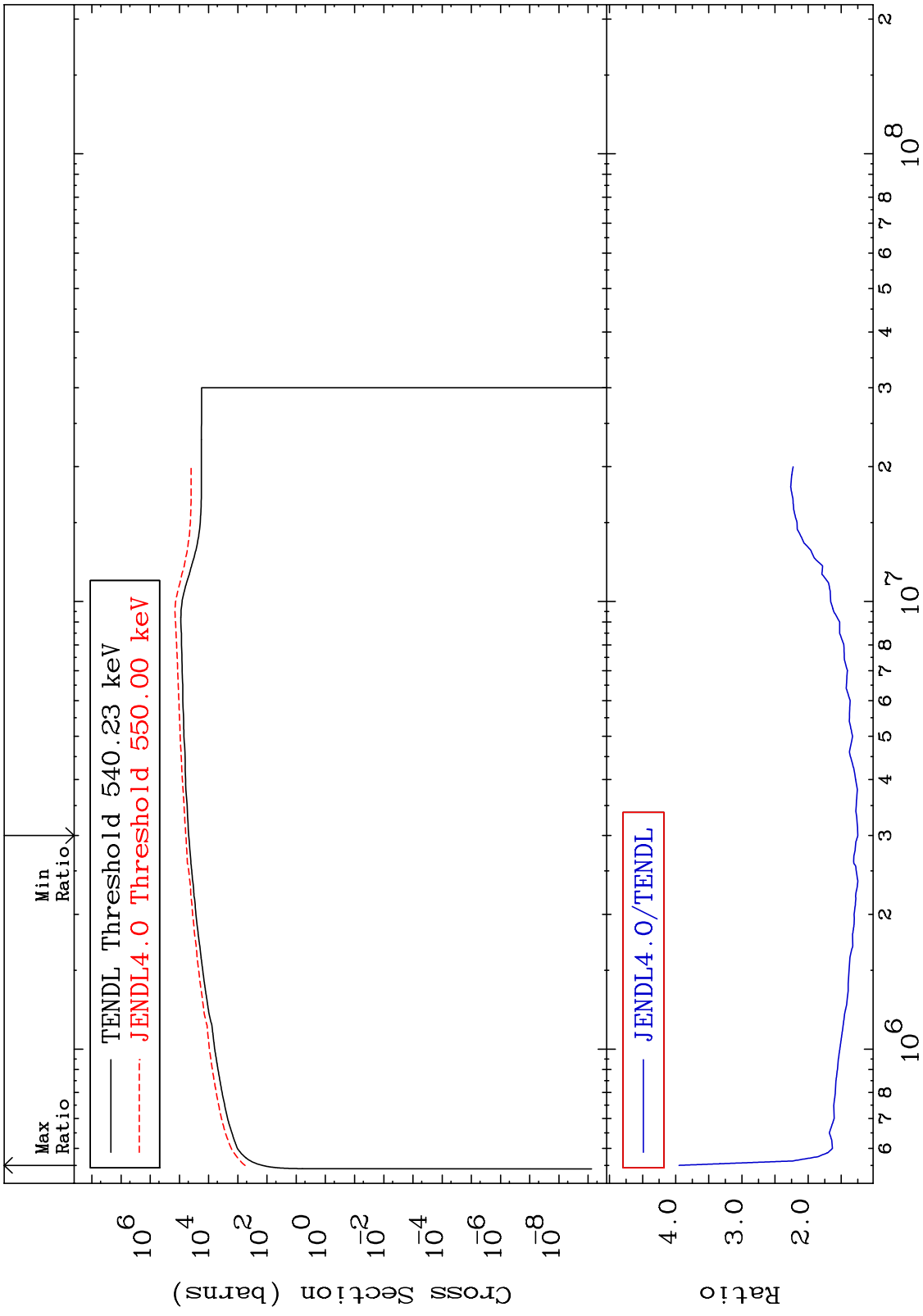
MAT 5443 Dpa total (eV-barns) 54-Xe-130
 Cross Section -98.75 To 9999. %



MAT 5443 Dpa elastic (mt2) 54-Xe-130
 Cross Section -99.73 To 9999. %



MAT 5443 Dpa inelastic (mt51-91) 54-Xe-130
 Cross Section 24.95 To 294.9 %



MAT 5443

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-130
-98.75 To 9999. %

