

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

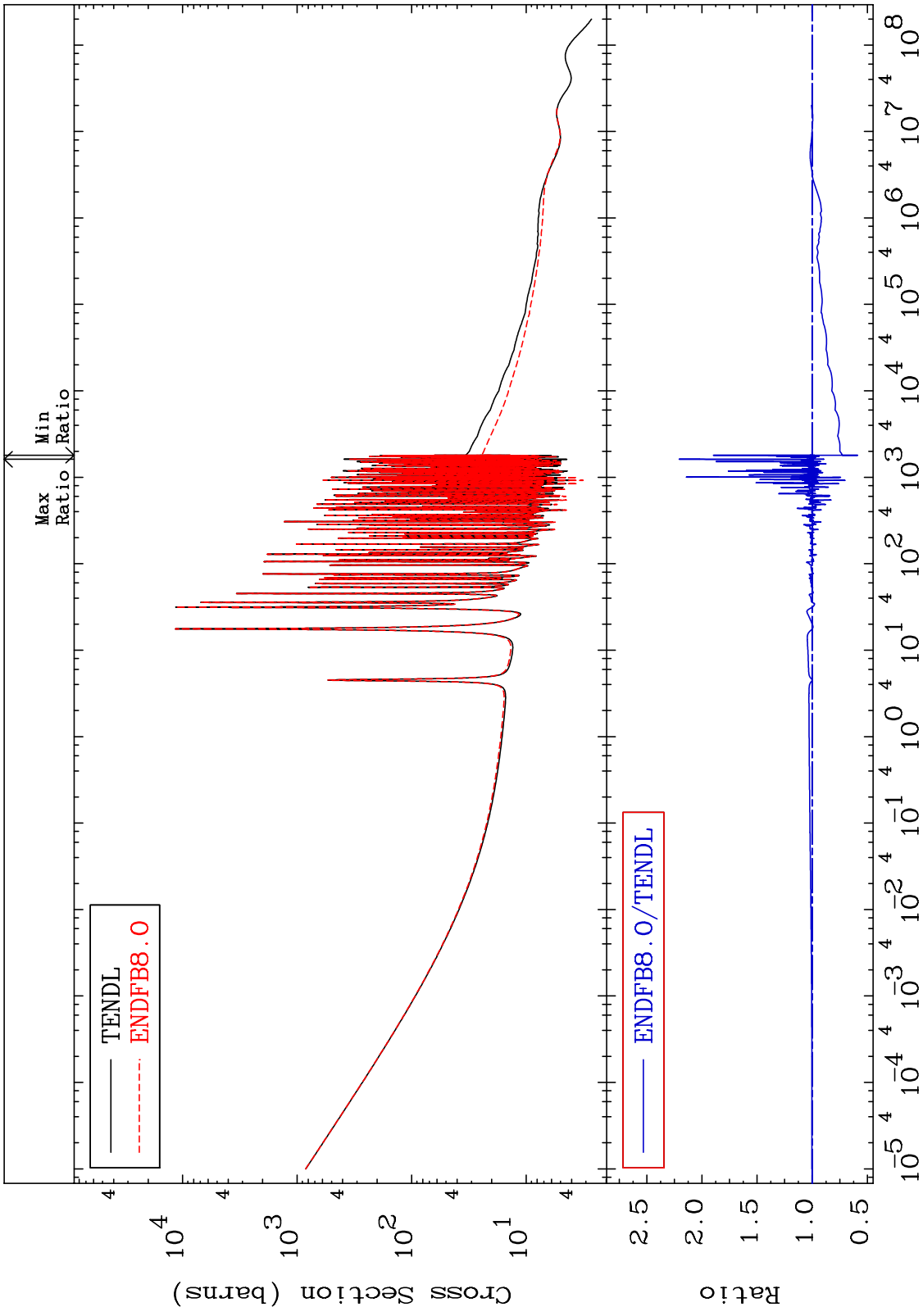
U.S.A.

Tele: 925-443-1911

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

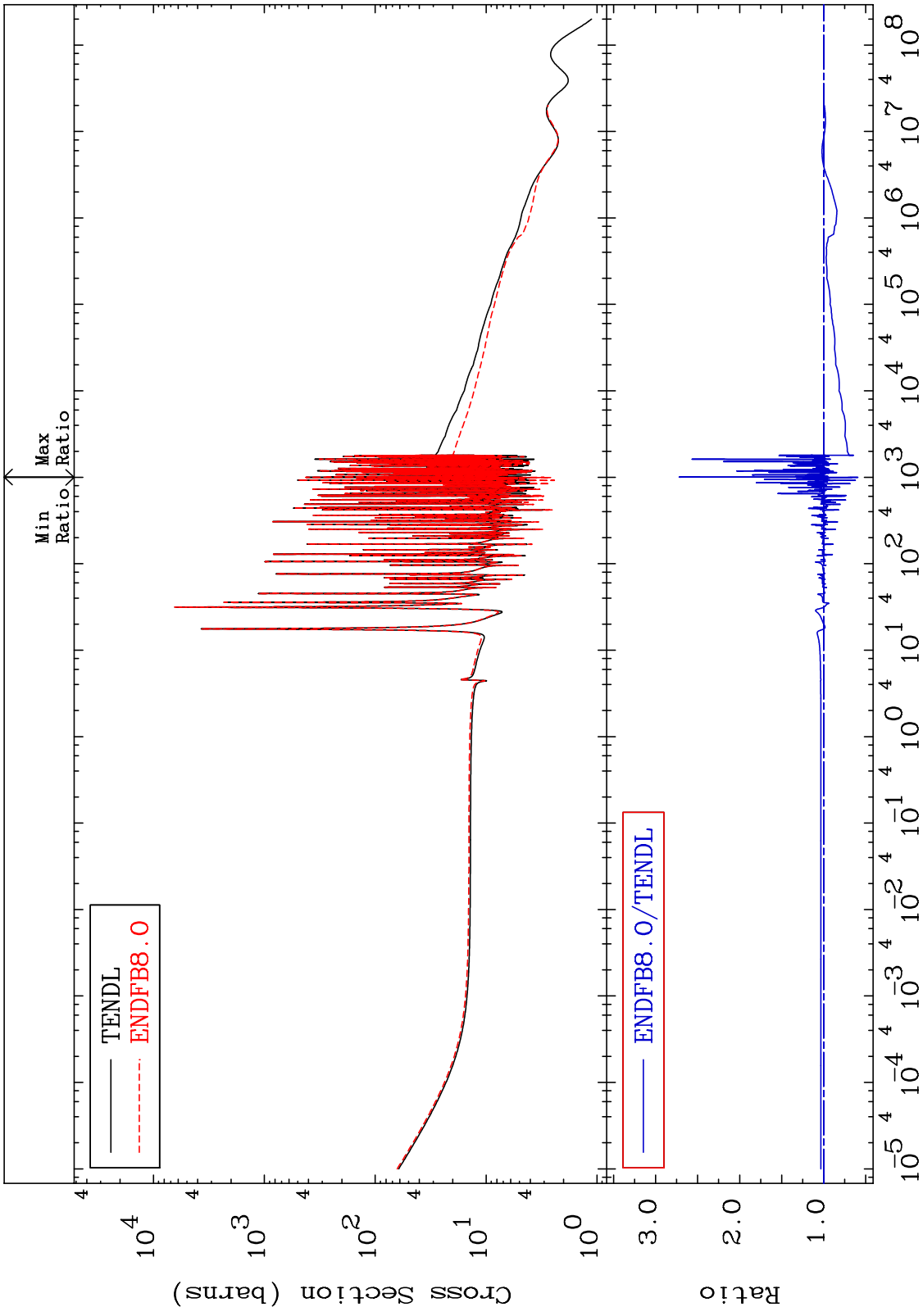
Press Mouse Button to Start

MAT 7040 Total Cross Section 70-Yb-173 -41.39 To 120.8 %



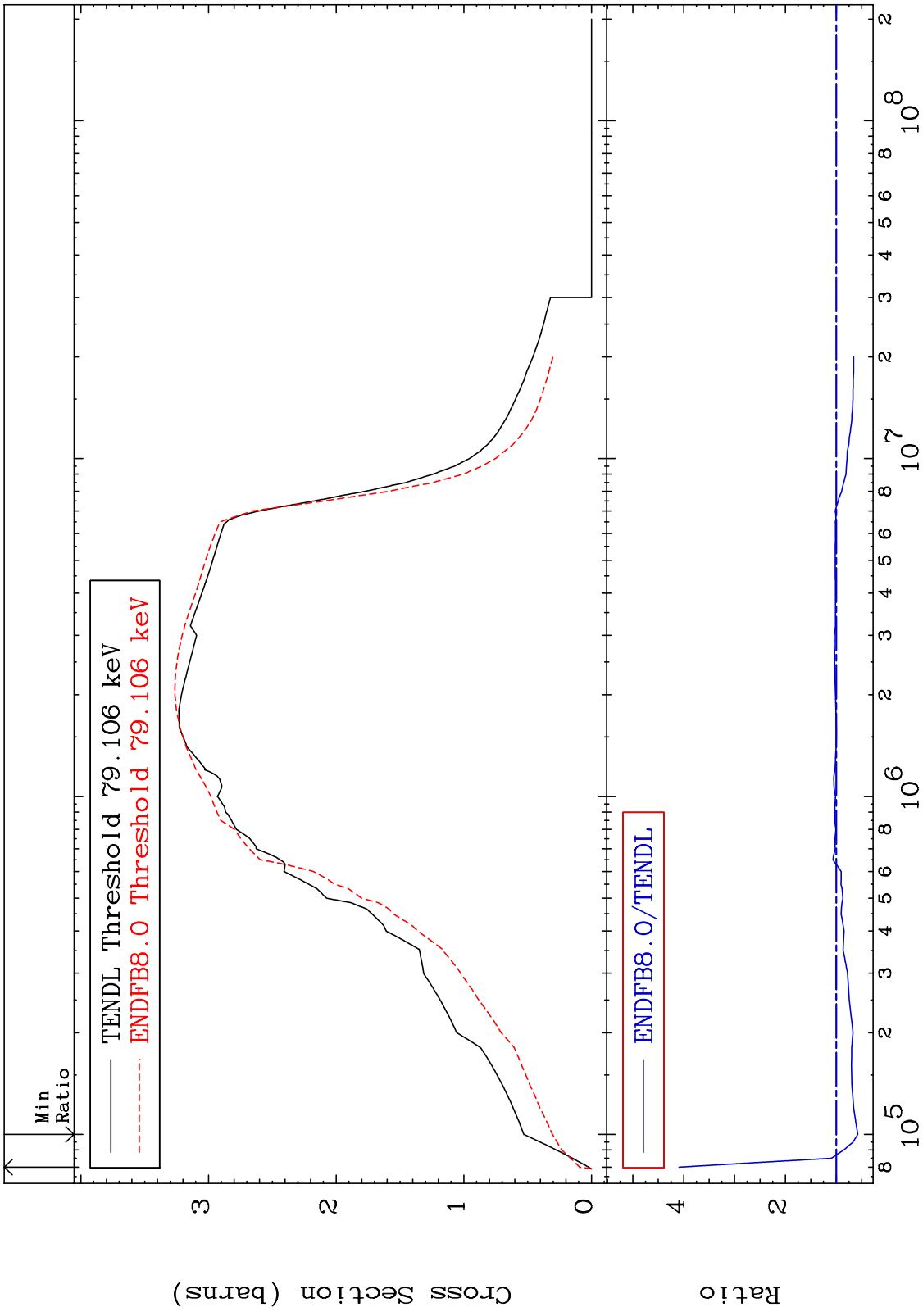
70-Yb-173

MAT 7040 Elastic Cross Section 70-Yb-173 -40.67 To 172.1 %



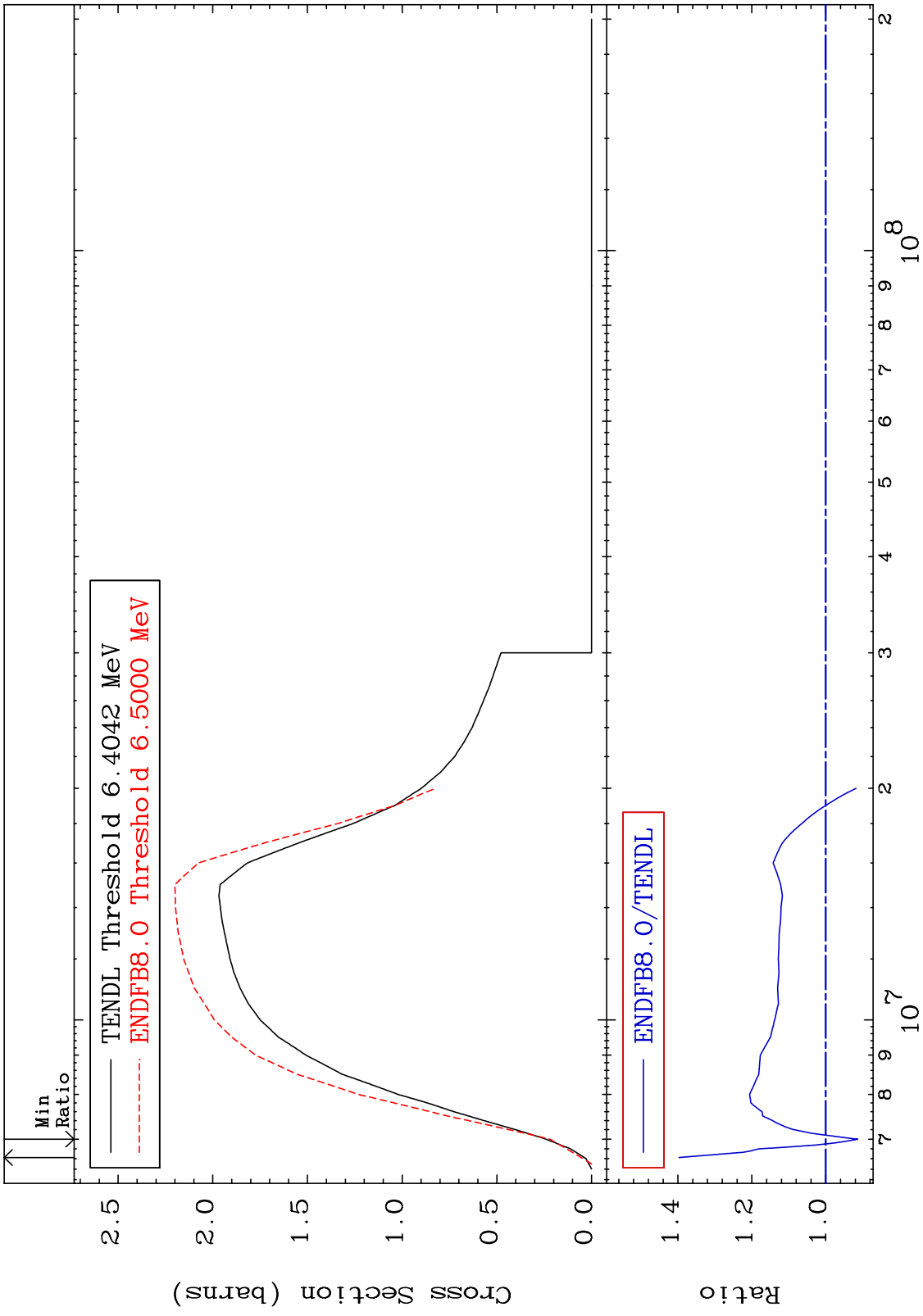
2 70-Yb-173

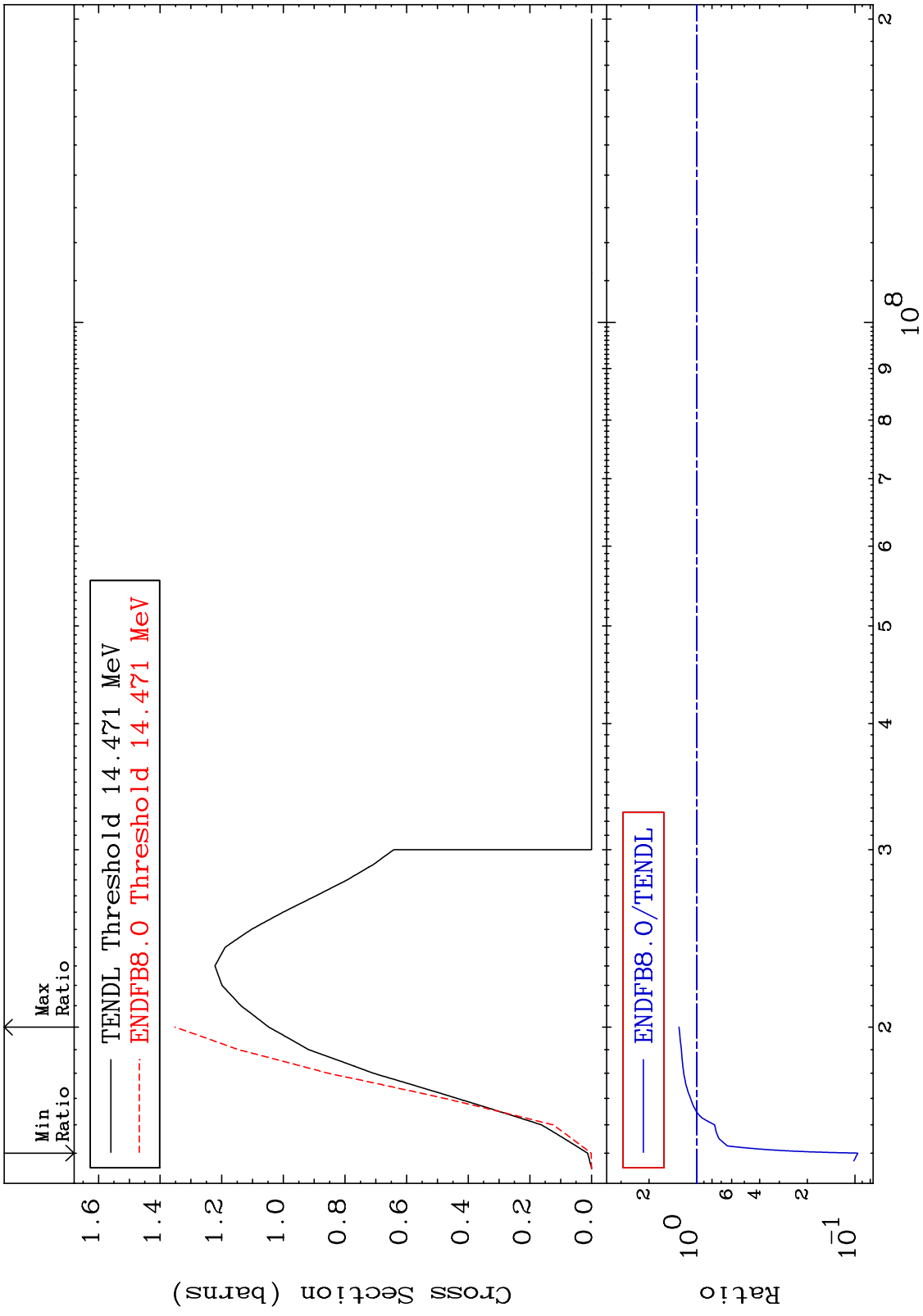
MAT 7040 Inelastic Cross Section 70-Yb-173 -42.41 To 309.2 %



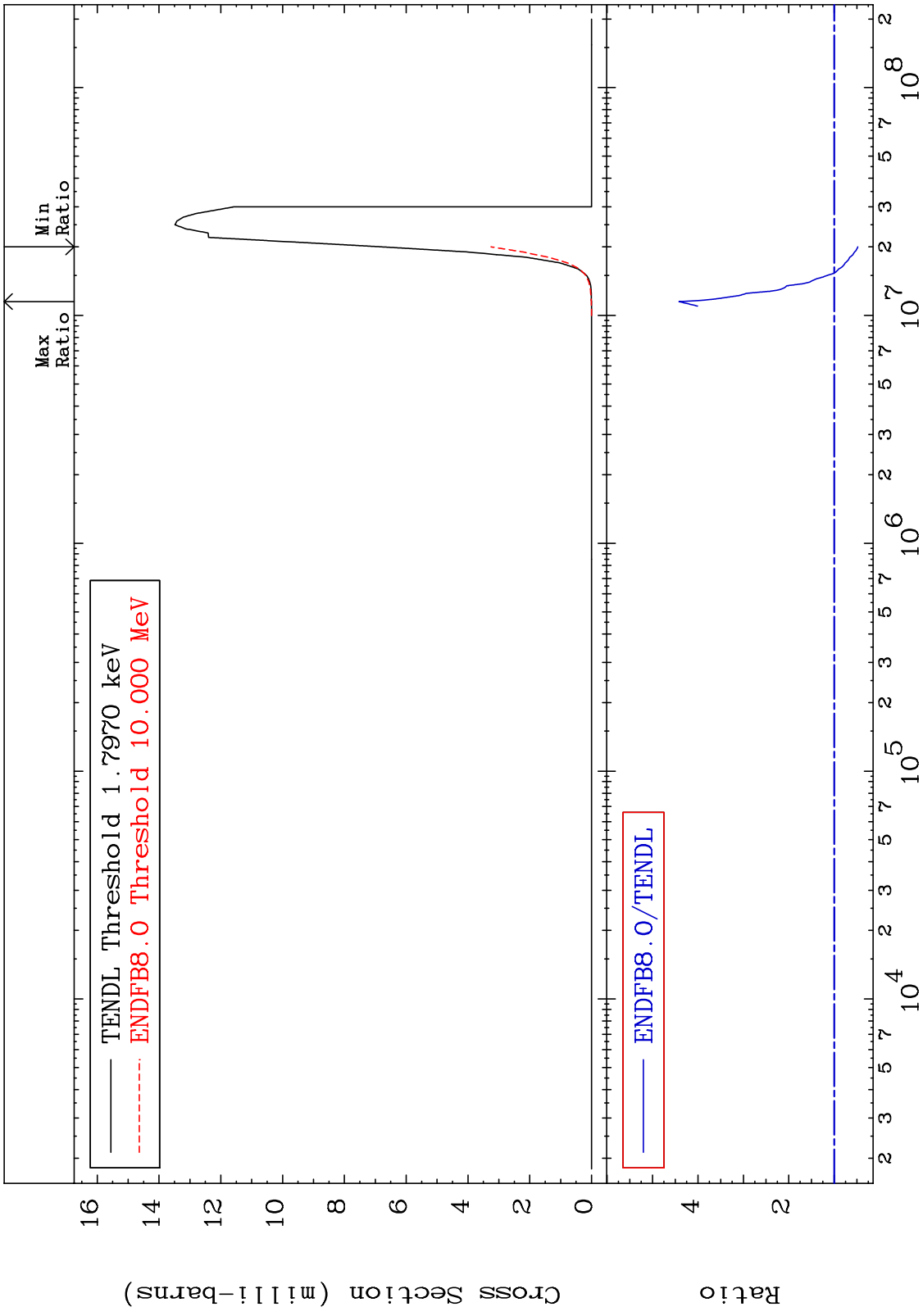
70-Yb-173

MAT 7040 (n,2n) Cross Section 70-Yb-173 -8.684 To 39.69 %

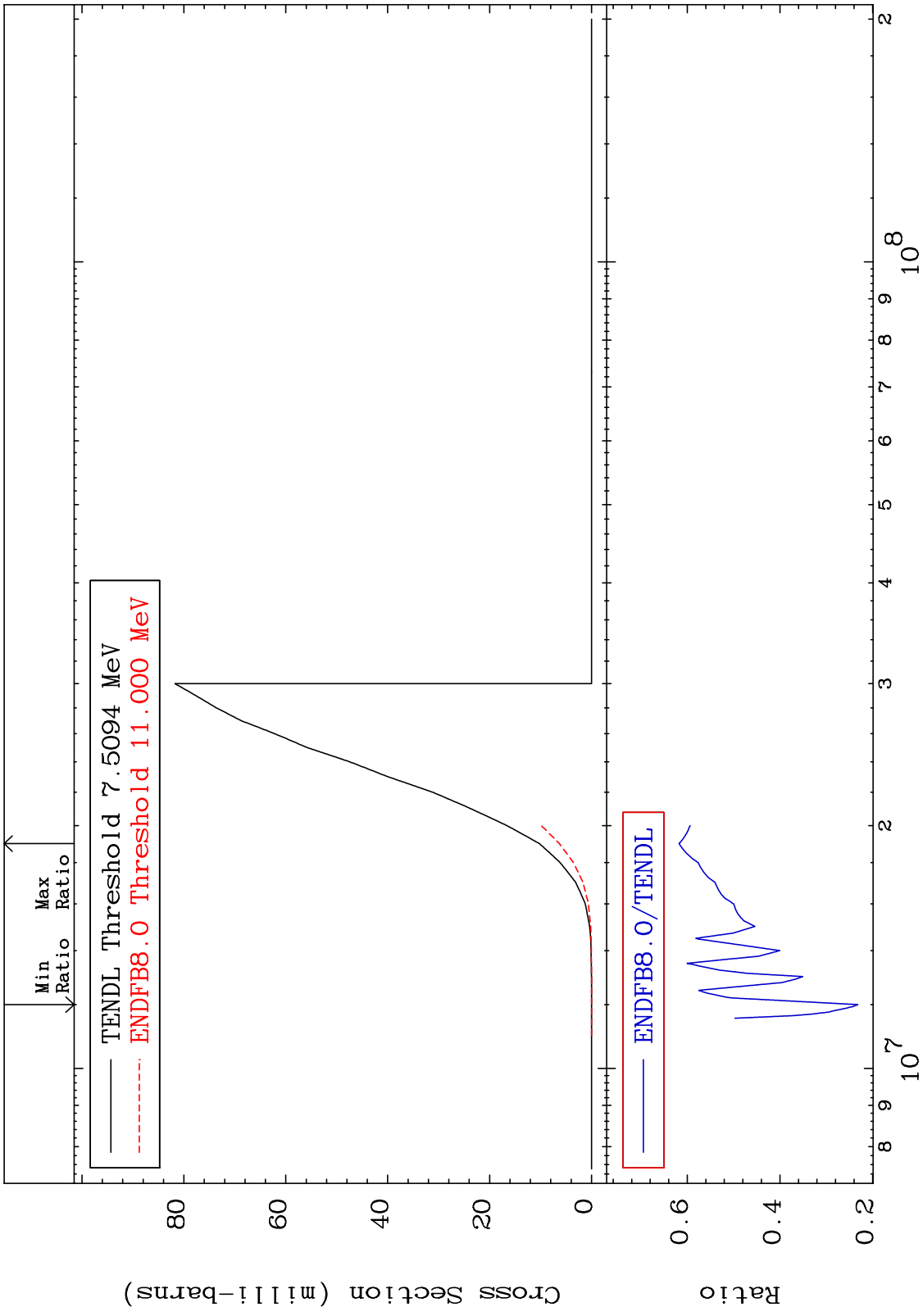




MAT 7040 $(n, n') \alpha$ Cross Section 70-Yb-173
 -52.06 To 341.7 %

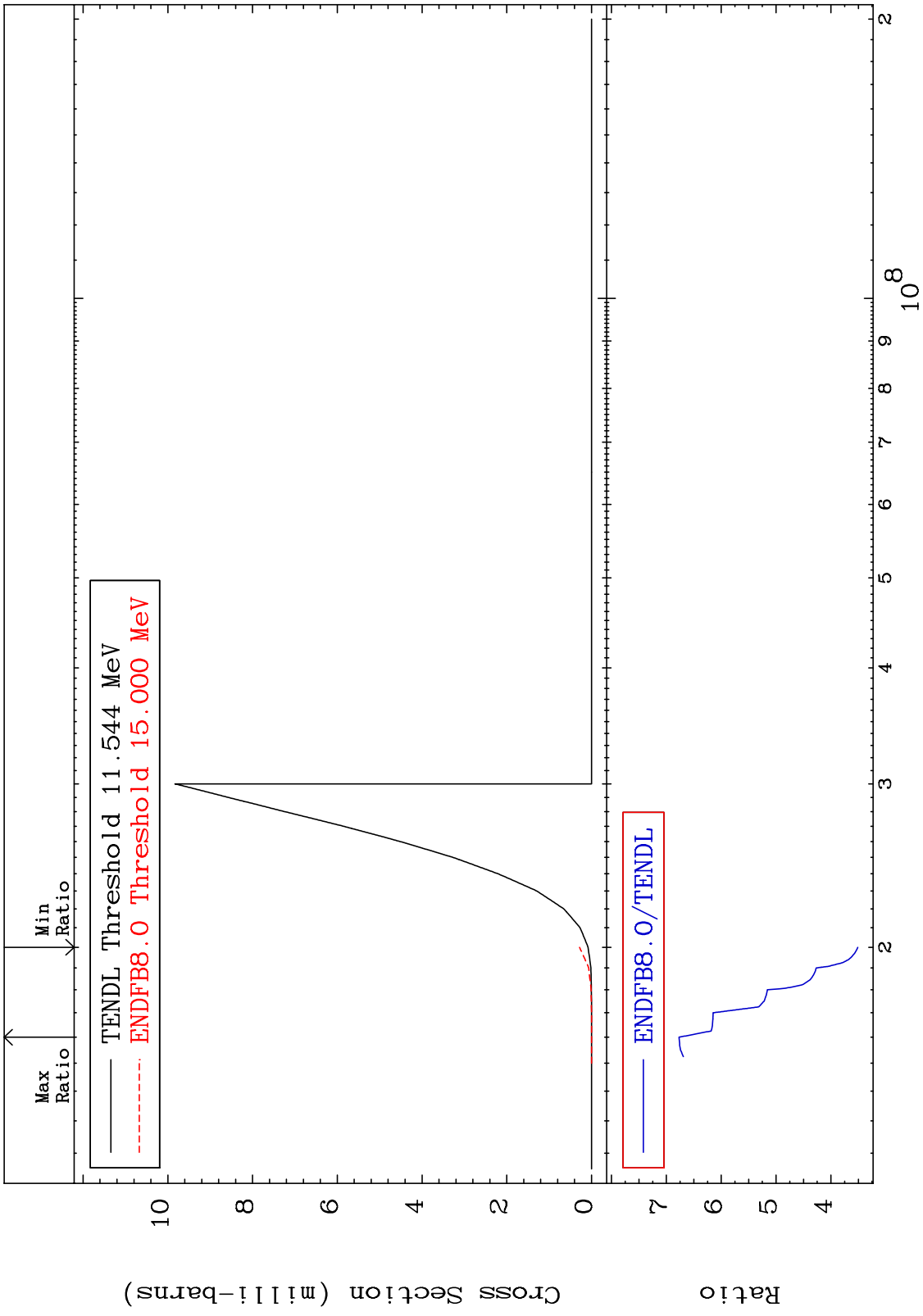


MAT 7040 (n, n') p $^{70}\text{Yb-173}$
Cross Section -76.82 To -38.23%

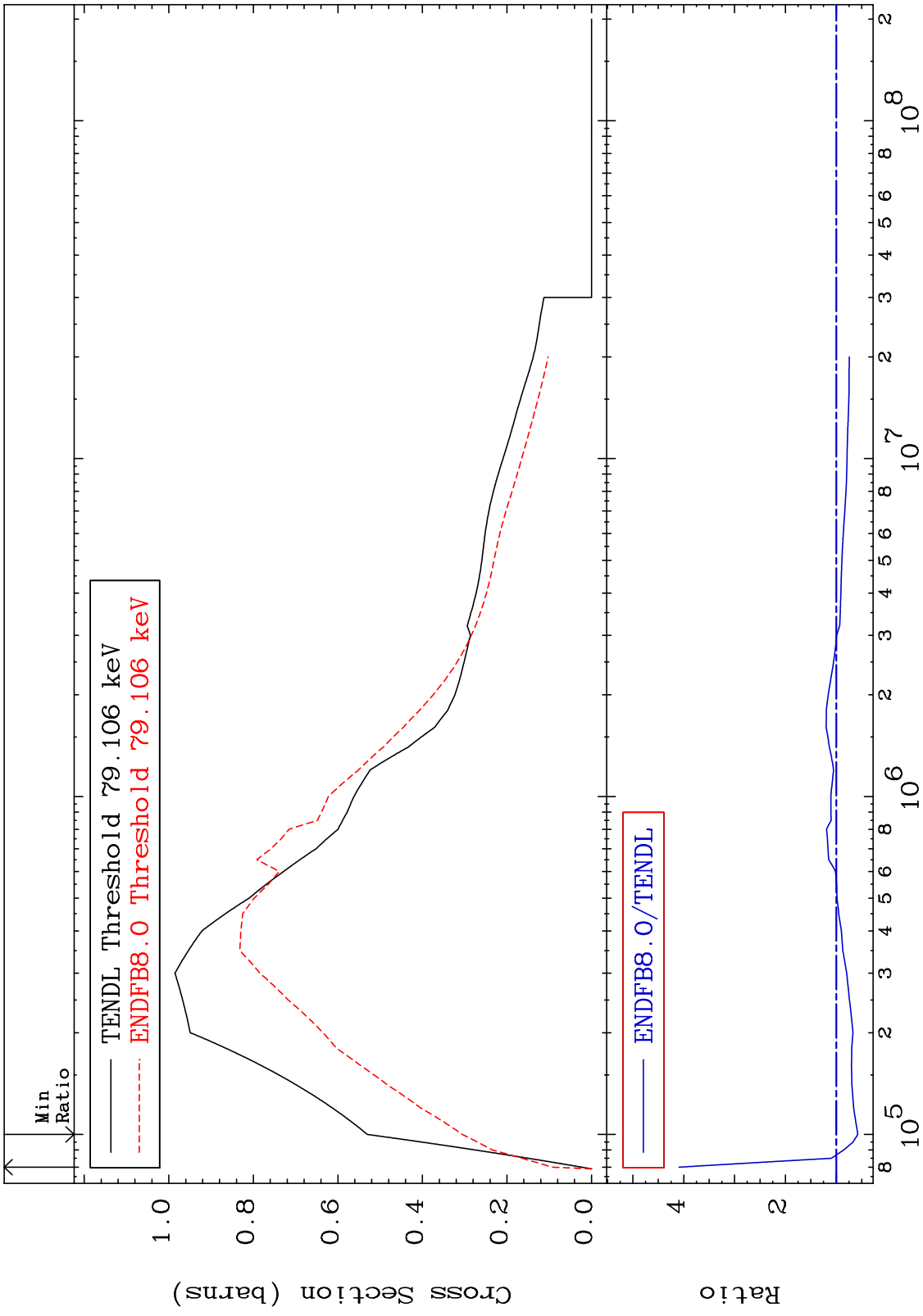


70-Yb-173

MAT 7040 (n,n') d 70-Yb-173
 Cross Section 251.0 To 576.9 %

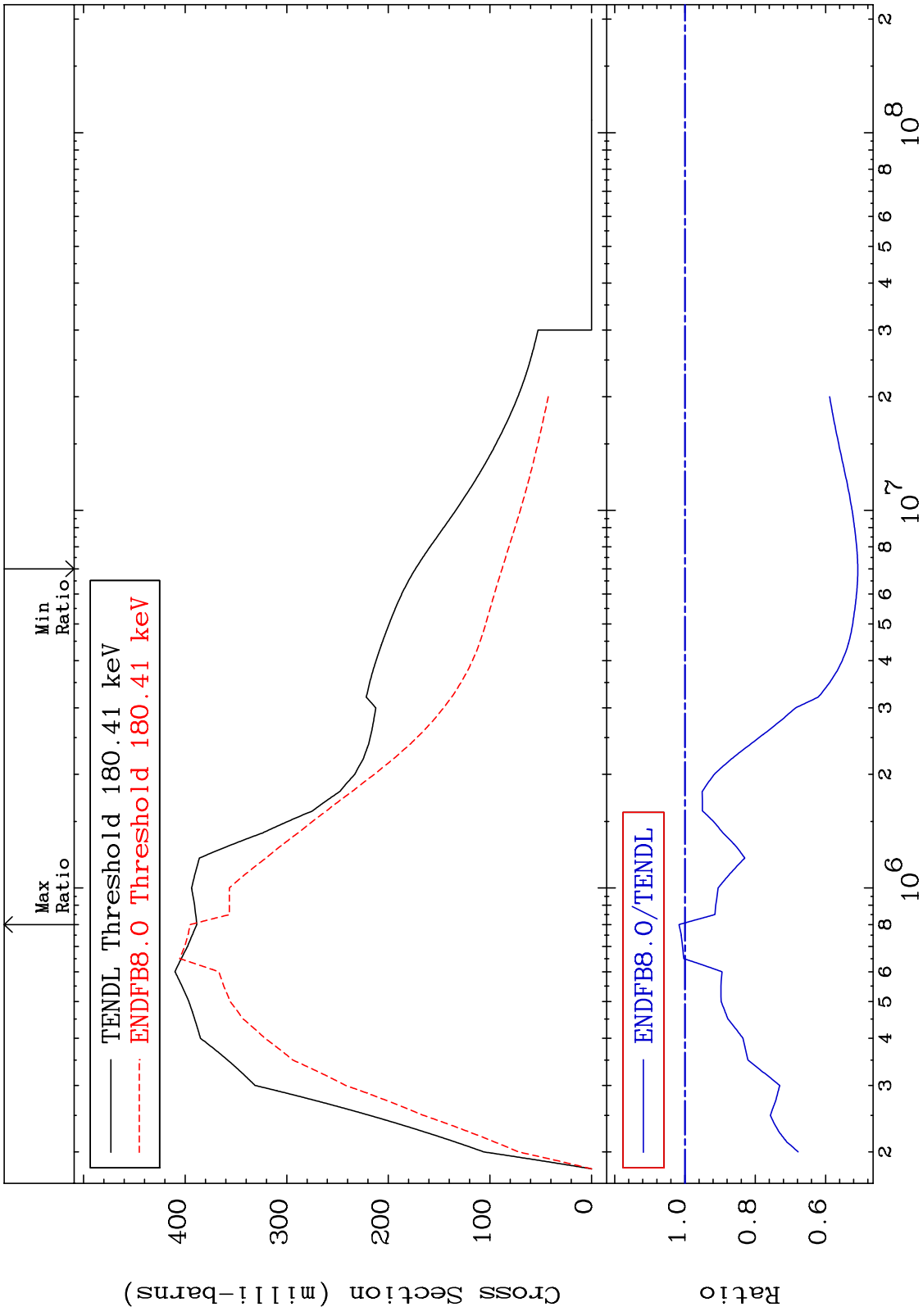


MAT 7040 MT= 51 (n,n') Level 70-Yb-173
Cross Section -42.41 To 309.2 %



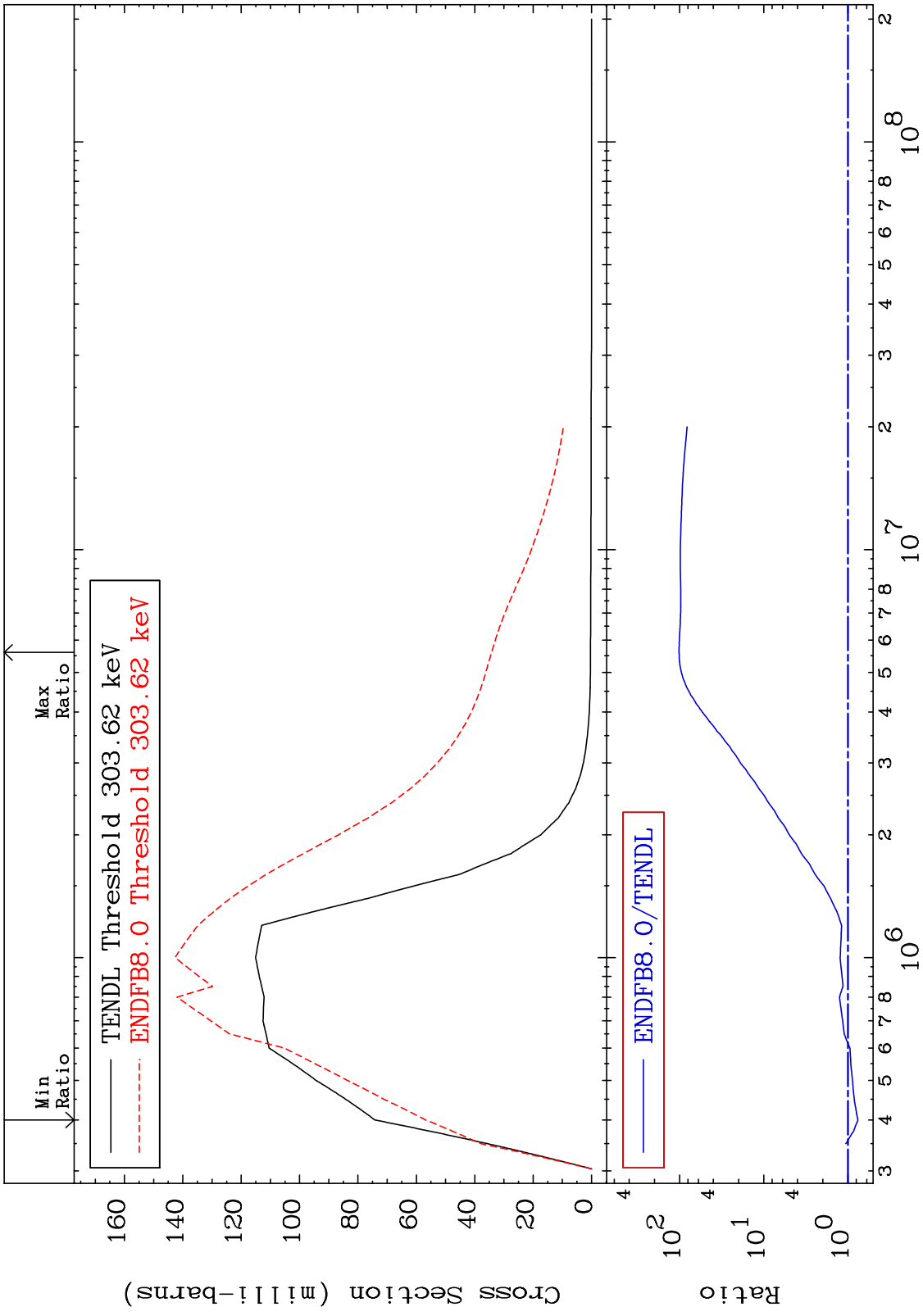
9 Incident Energy (eV) 70-Yb-173

MAT 7040 MT= 52 (n,n') Level Cross Section 70-Yb-173
 -49.18 To 1.685 %



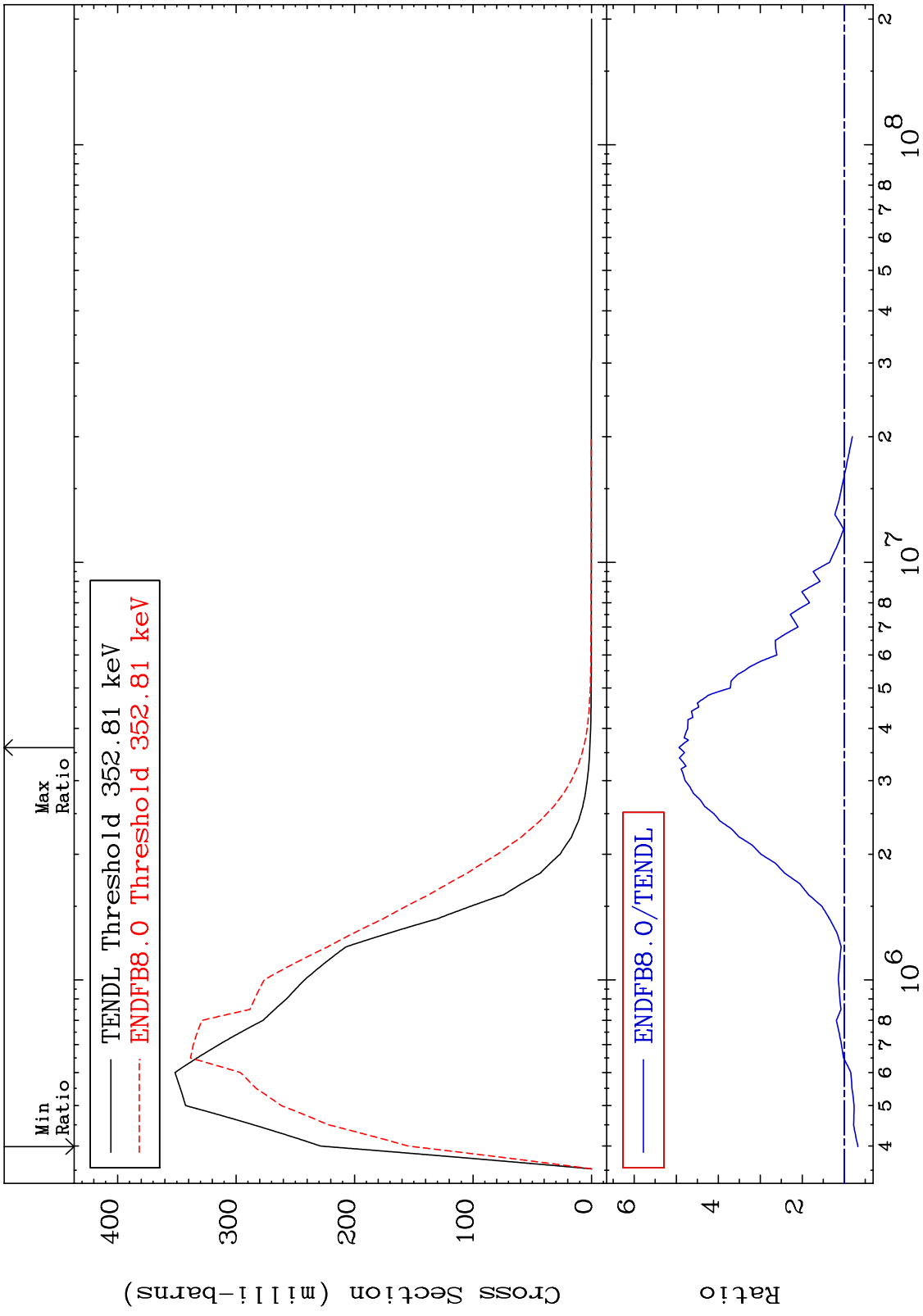
10 70-Yb-173

MAT 7040 MT= 53 (n,n') Level Cross Section 70-Yb-173
 -23.48 To 9999. %

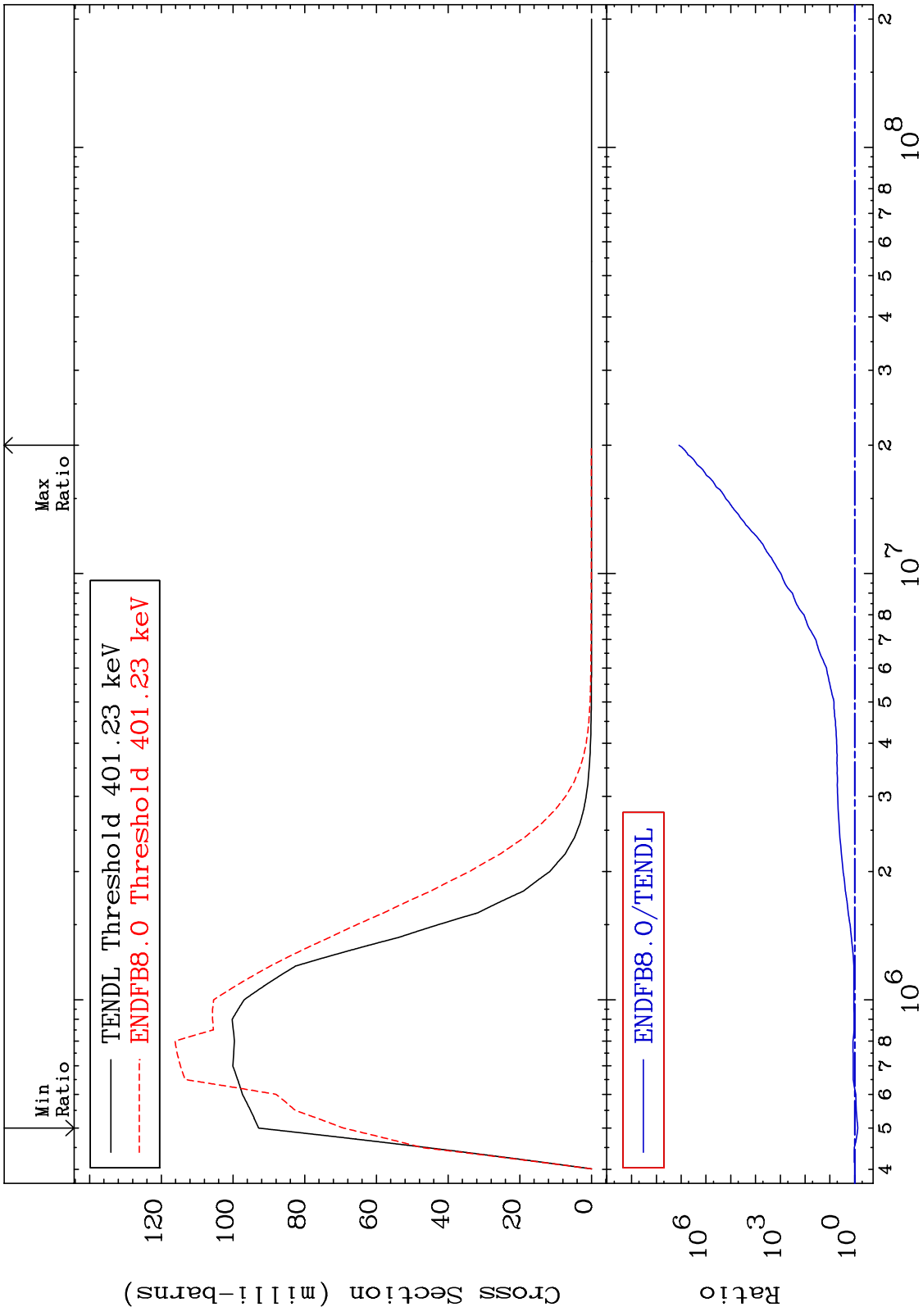


11 70-Yb-173

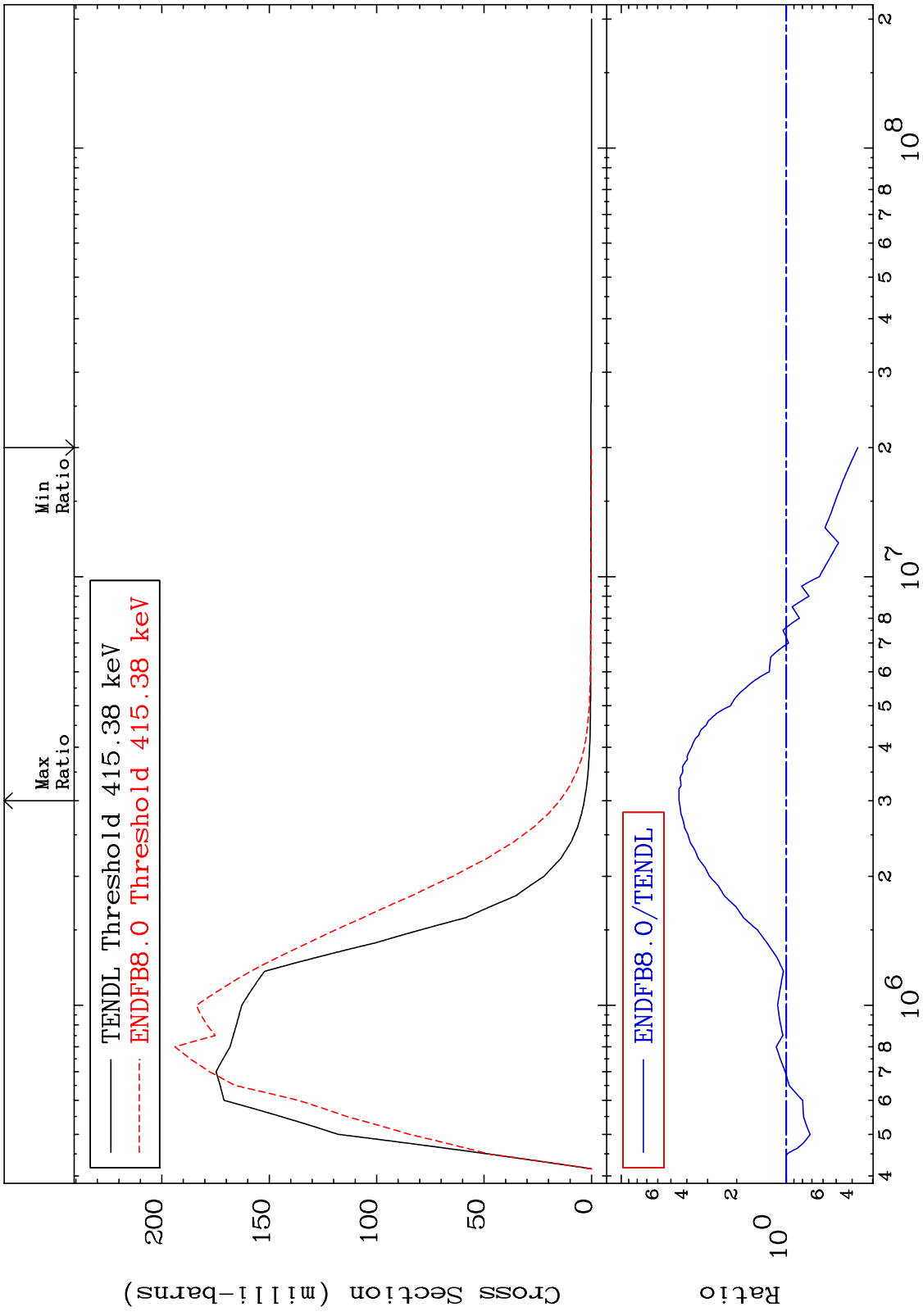
MAT 7040 MT= 54 (n,n') Level Cross Section 70-Yb-173
 -32.35 To 393.4 %



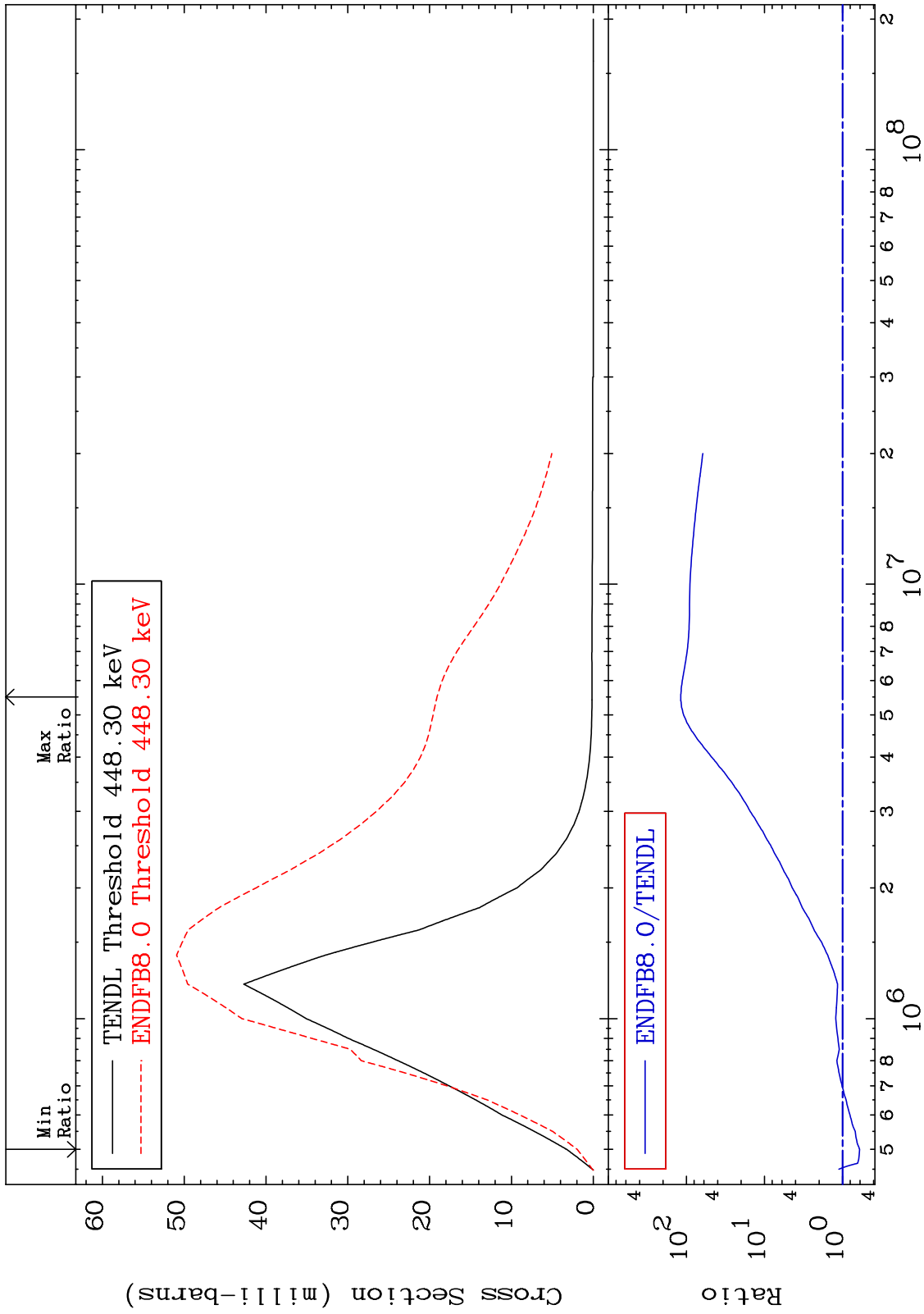
MAT 7040 MT= 55 (n,n') Level Cross Section 70-Yb-173
 -25.48 To 9999. %



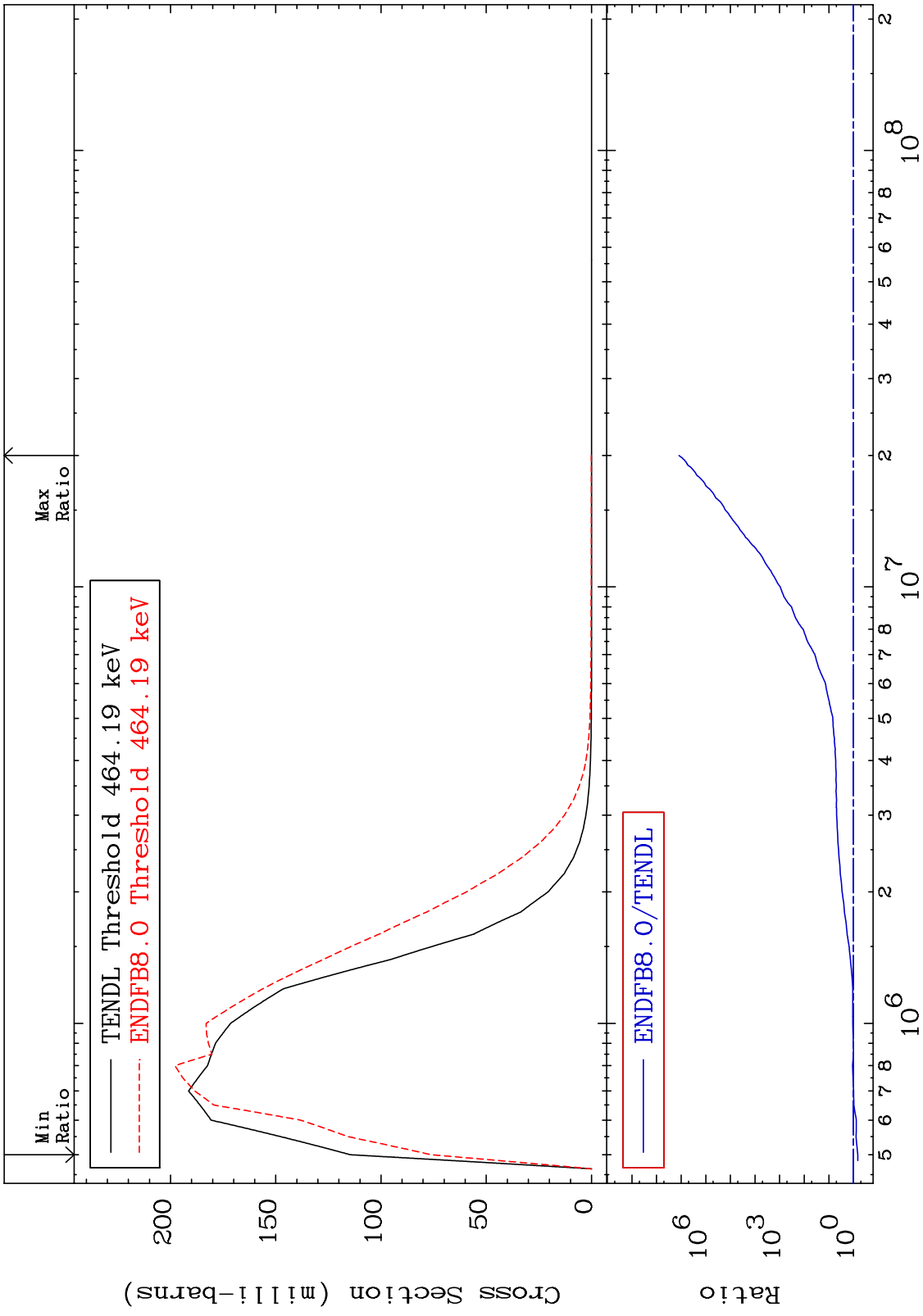
MAT 7040 MT= 56 (n,n') Level Cross Section 70-Yb-173
 -63.08 To 346.6 %



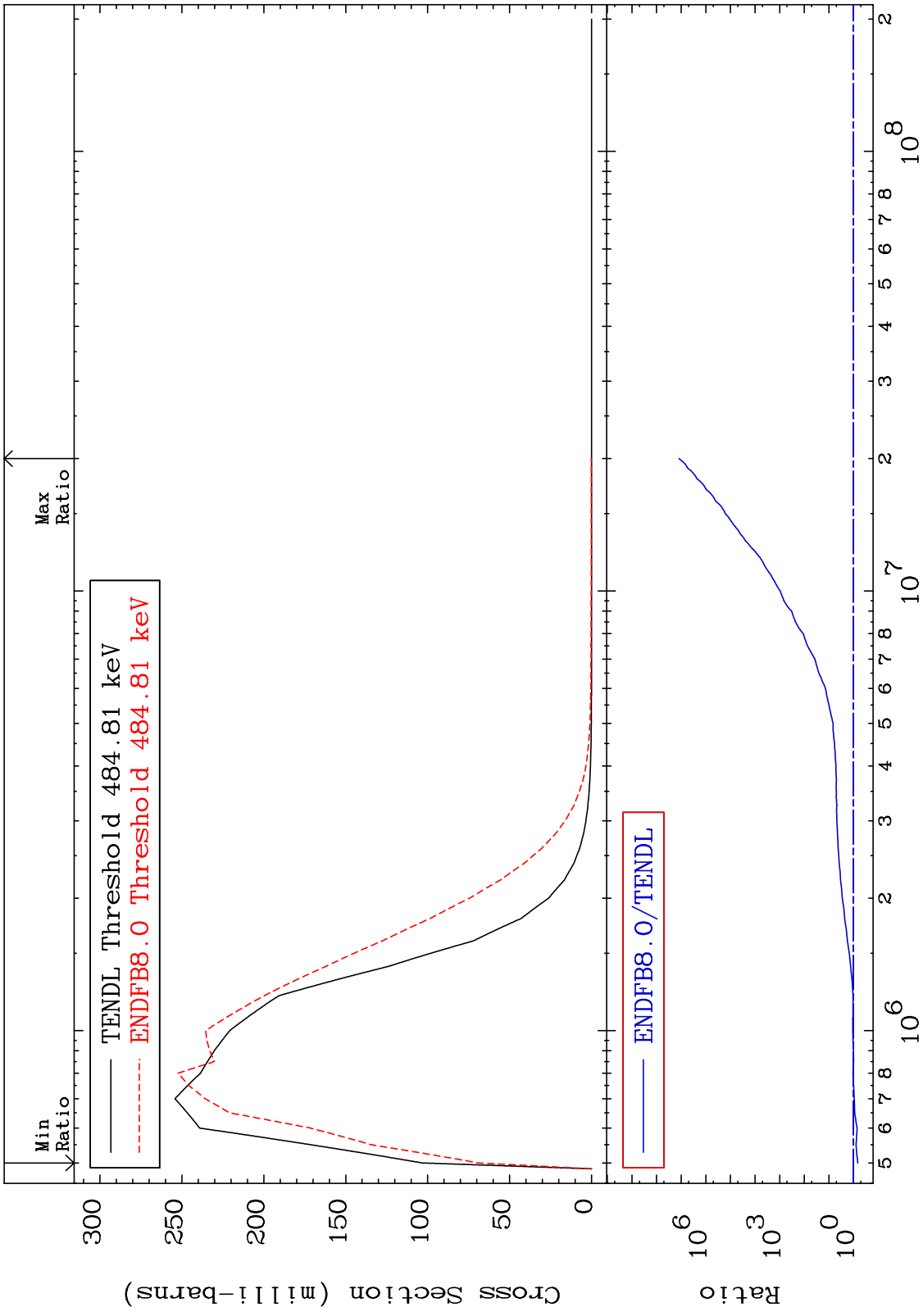
MAT 7040 MT= 57 (n,n') Level Cross Section 70-Yb-173
 -39.47 To 9999. %



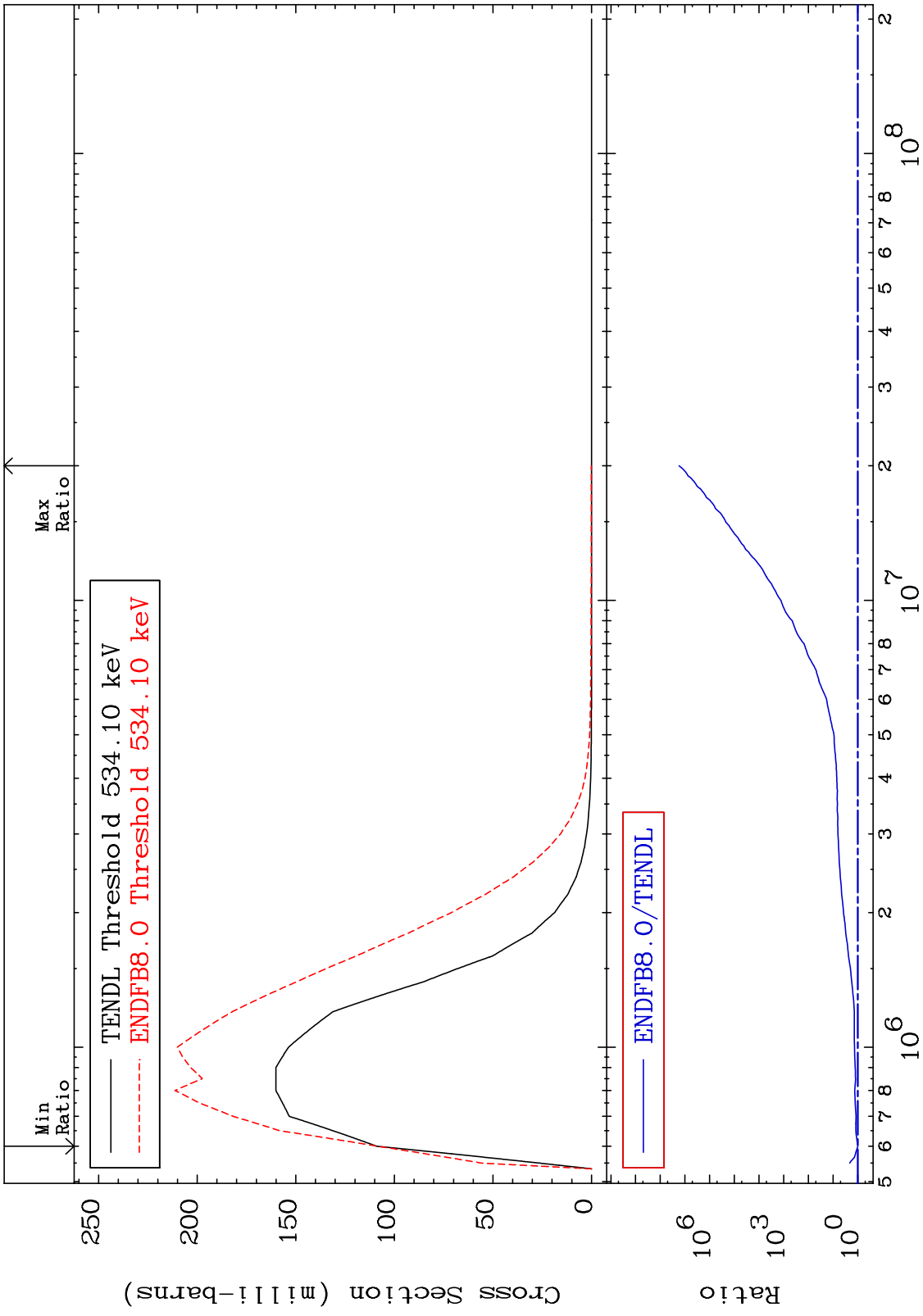
MAT 7040 MT= 58 (n,n') Level Cross Section 70-Yb-173
 -33.57 To 9999. %



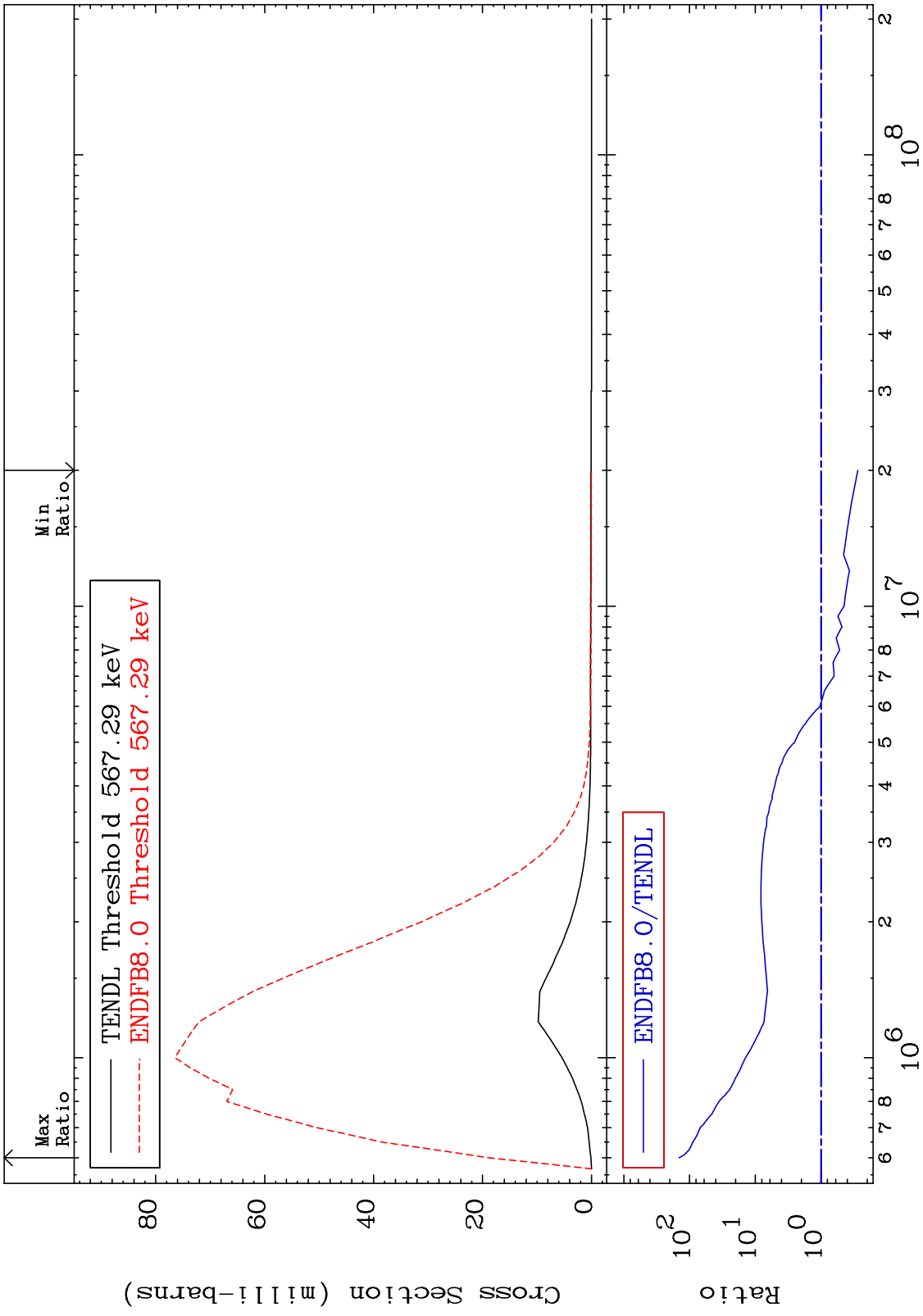
MAT 7040 MT= 59 (n,n') Level Cross Section 70-Yb-173
 -33.35 To 9999. %



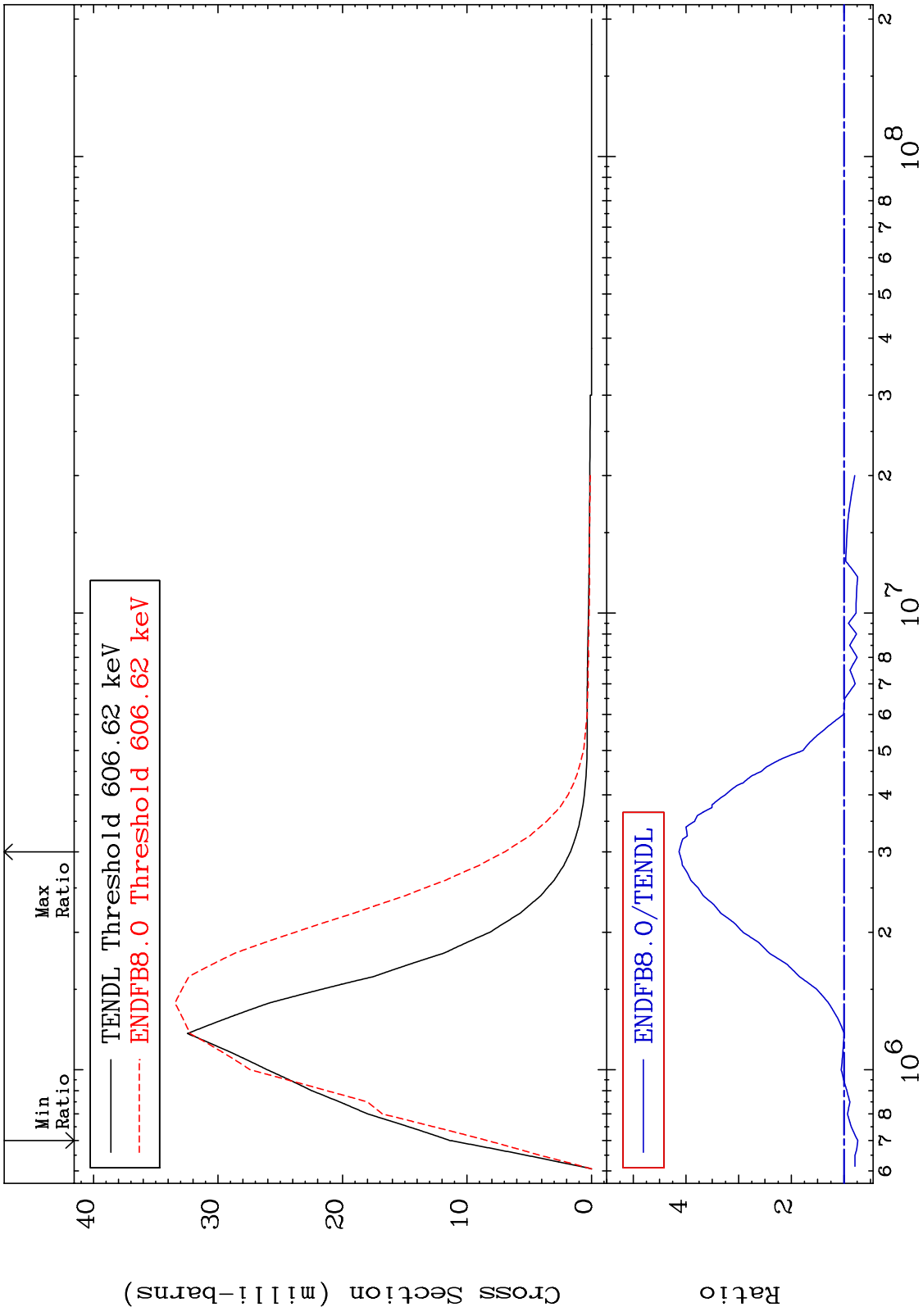
MAT 7040 MT= 60 (n,n') Level Cross Section 70-Yb-173
 -0.606 To 9999. %



MAT 7040 MT= 61 (n,n') Level Cross Section 70-Yb-173
 -72.33 To 9999. %

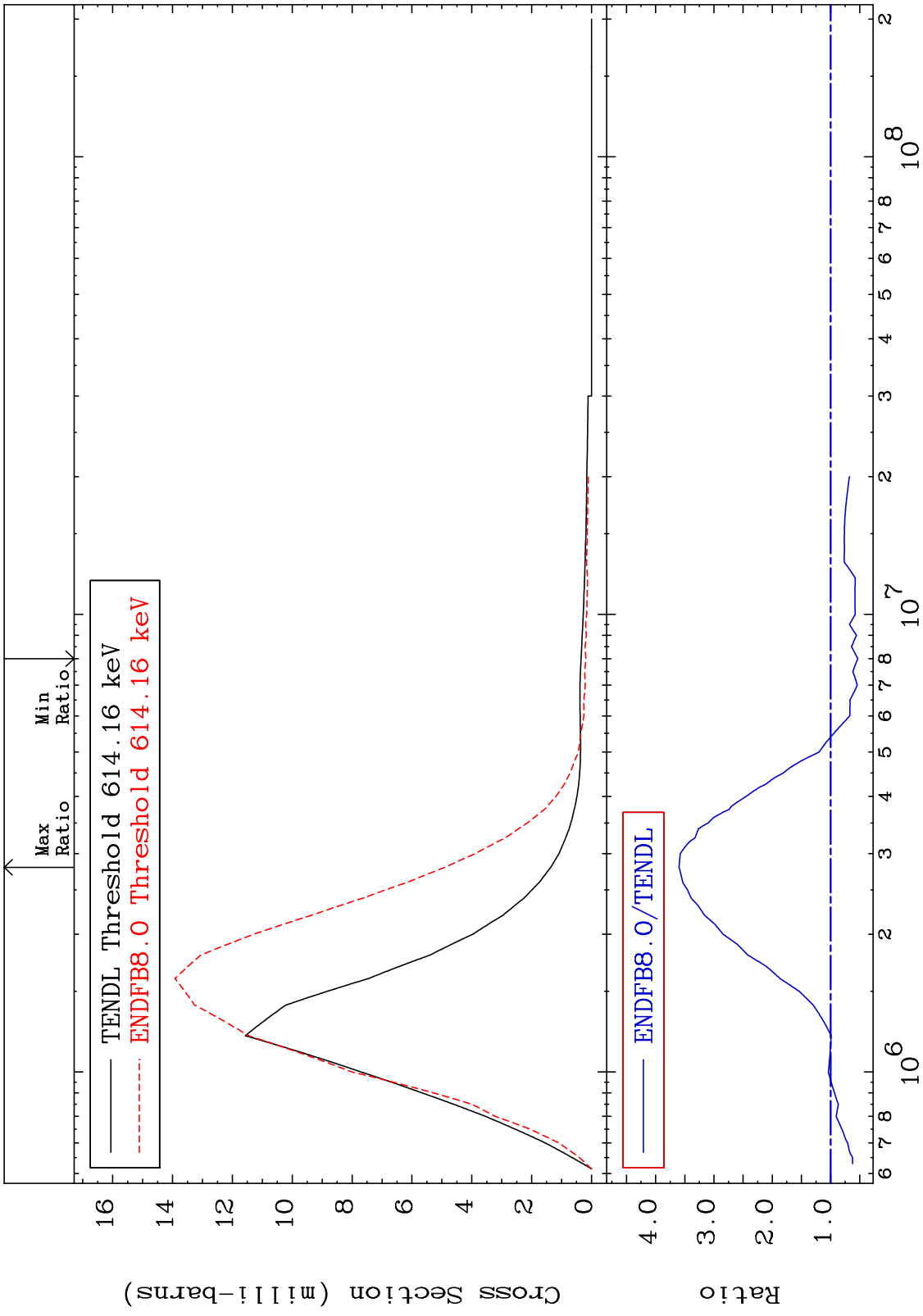


MAT 7040 MT= 62 (n,n') Level Cross Section 70-Yb-173
 -26.23 To 313.0 %

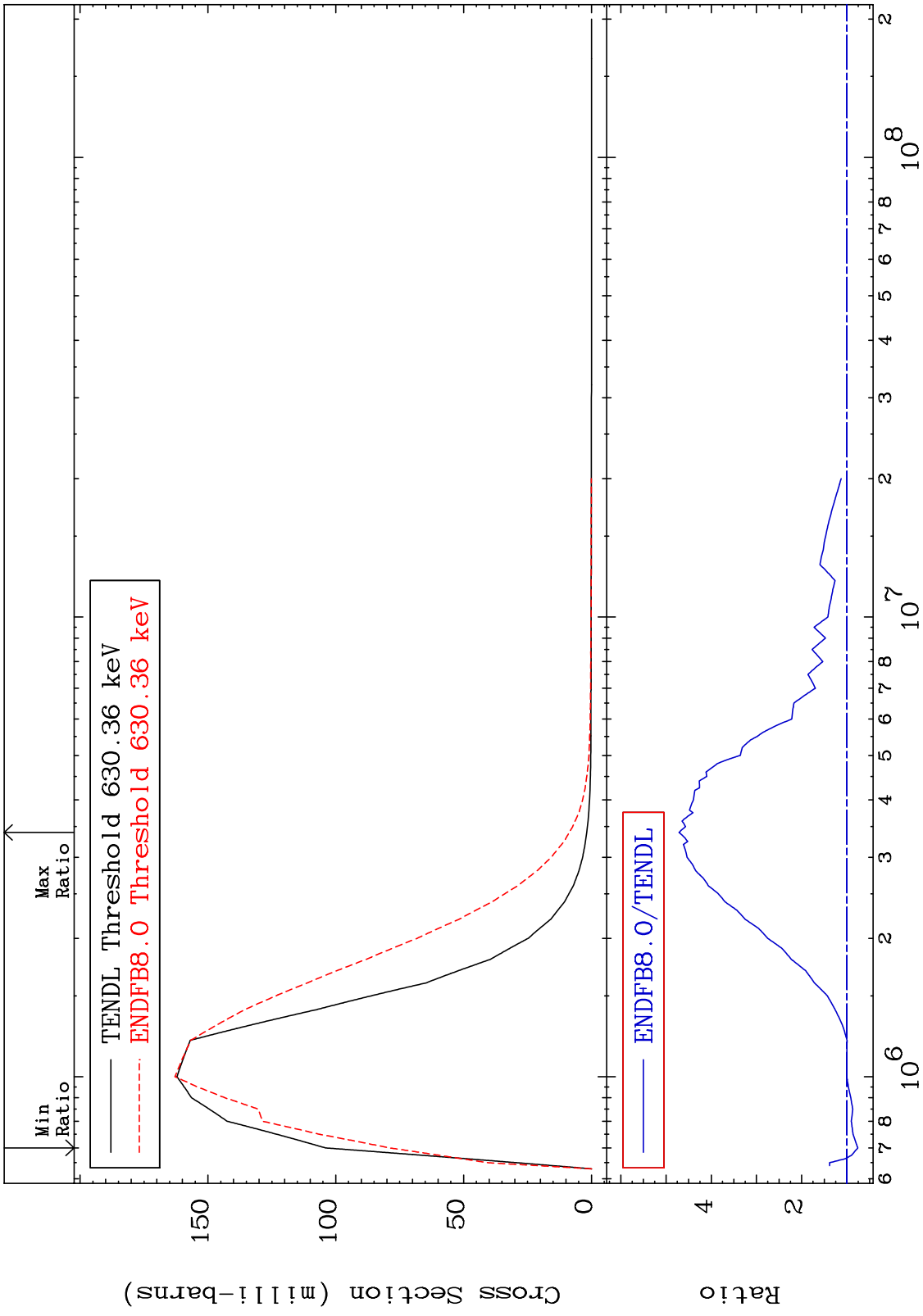


20 Incident Energy (eV) 70-Yb-173

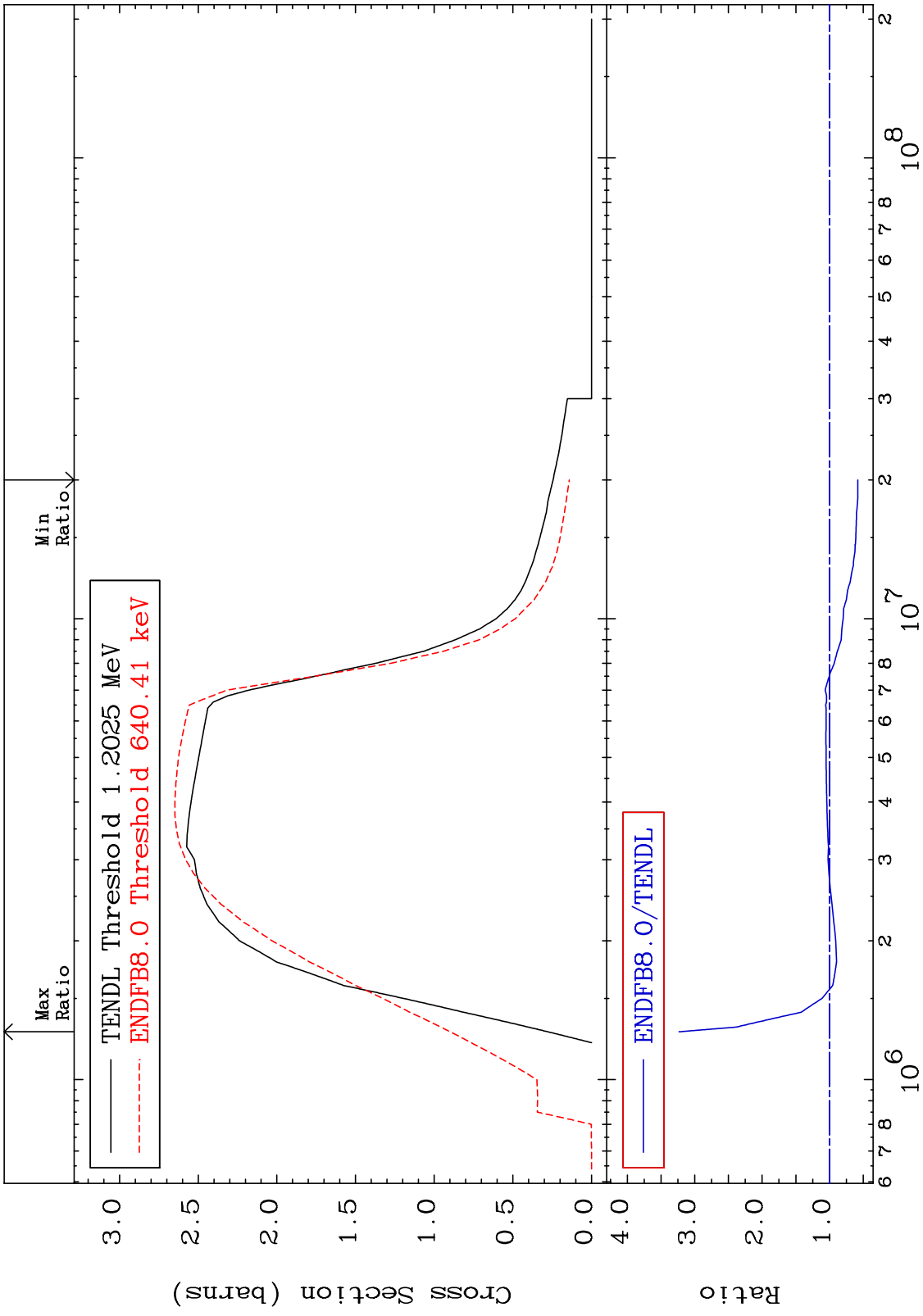
MAT 7040 MT= 63 (n,n') Level Cross Section 70-Yb-173
 -46.70 To 259.8 %



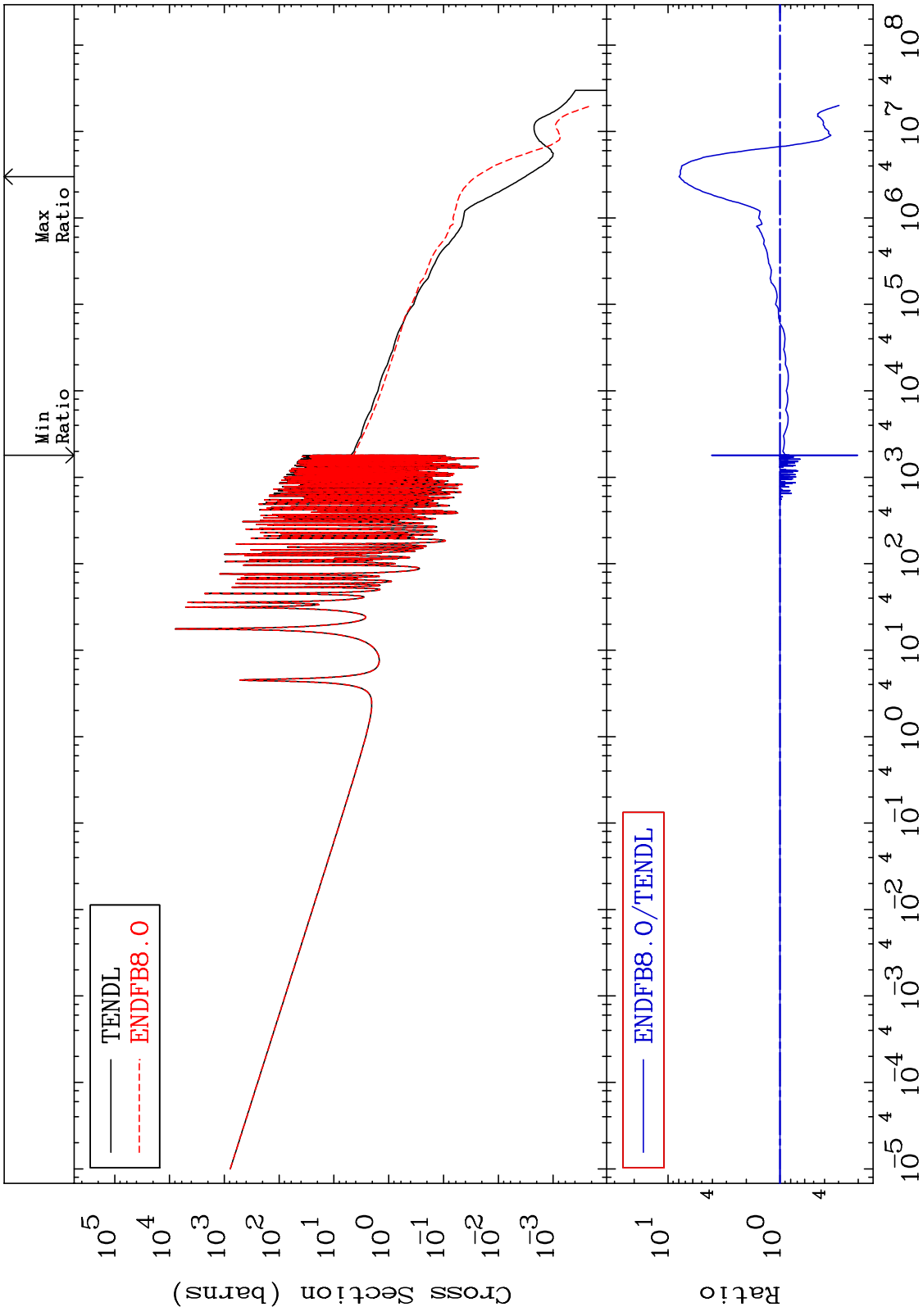
MAT 7040 MT= 64 (n,n') Level Cross Section 70-Yb-173
 -24.12 To 371.2 %



MAT 7040 (n,n') Continuum Cross Section -42.10 To 223.4 % 70-Yb-173

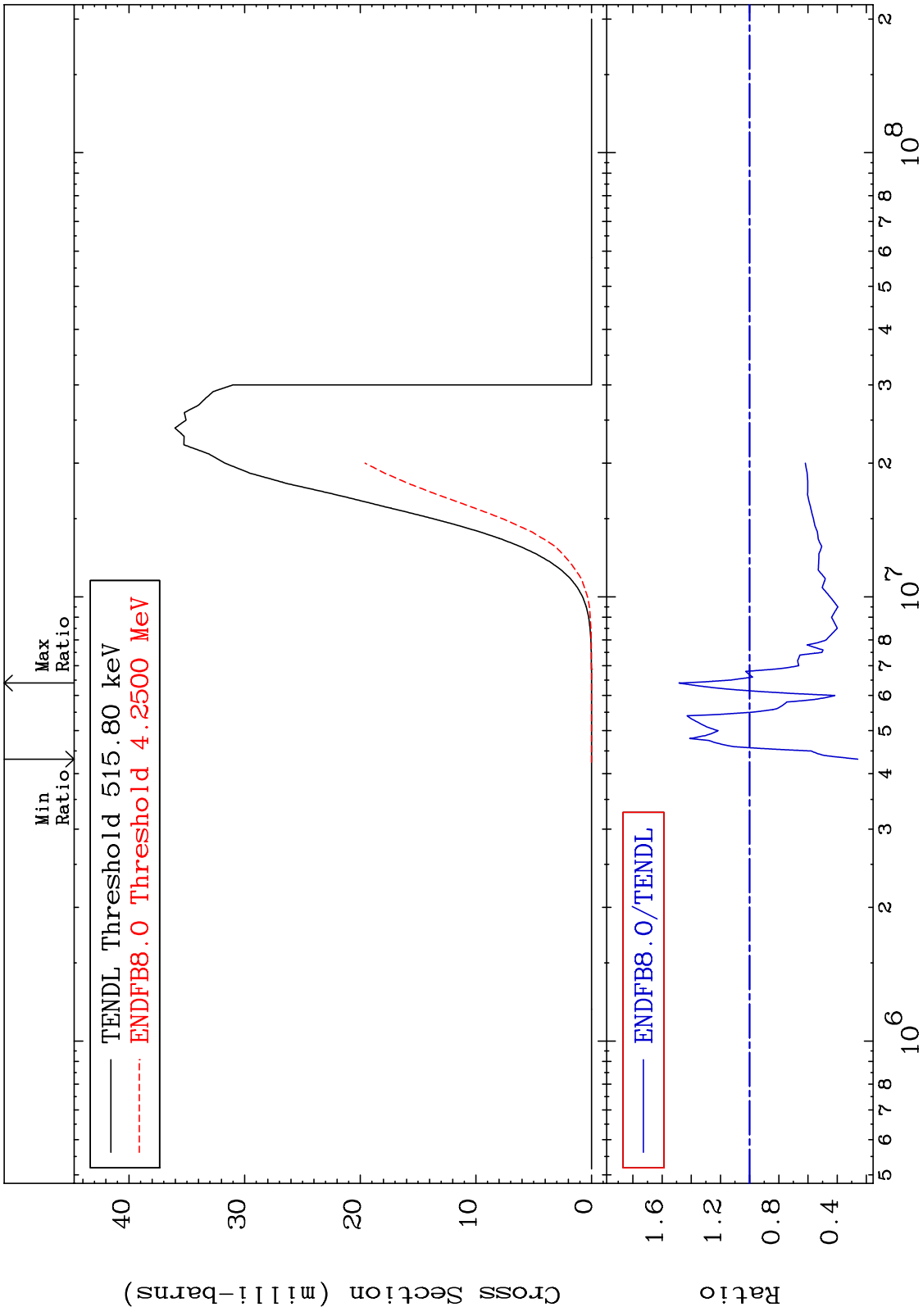


MAT 7040 (n, γ) Cross Section 70-Yb-173 -79.86 To 696.0 %

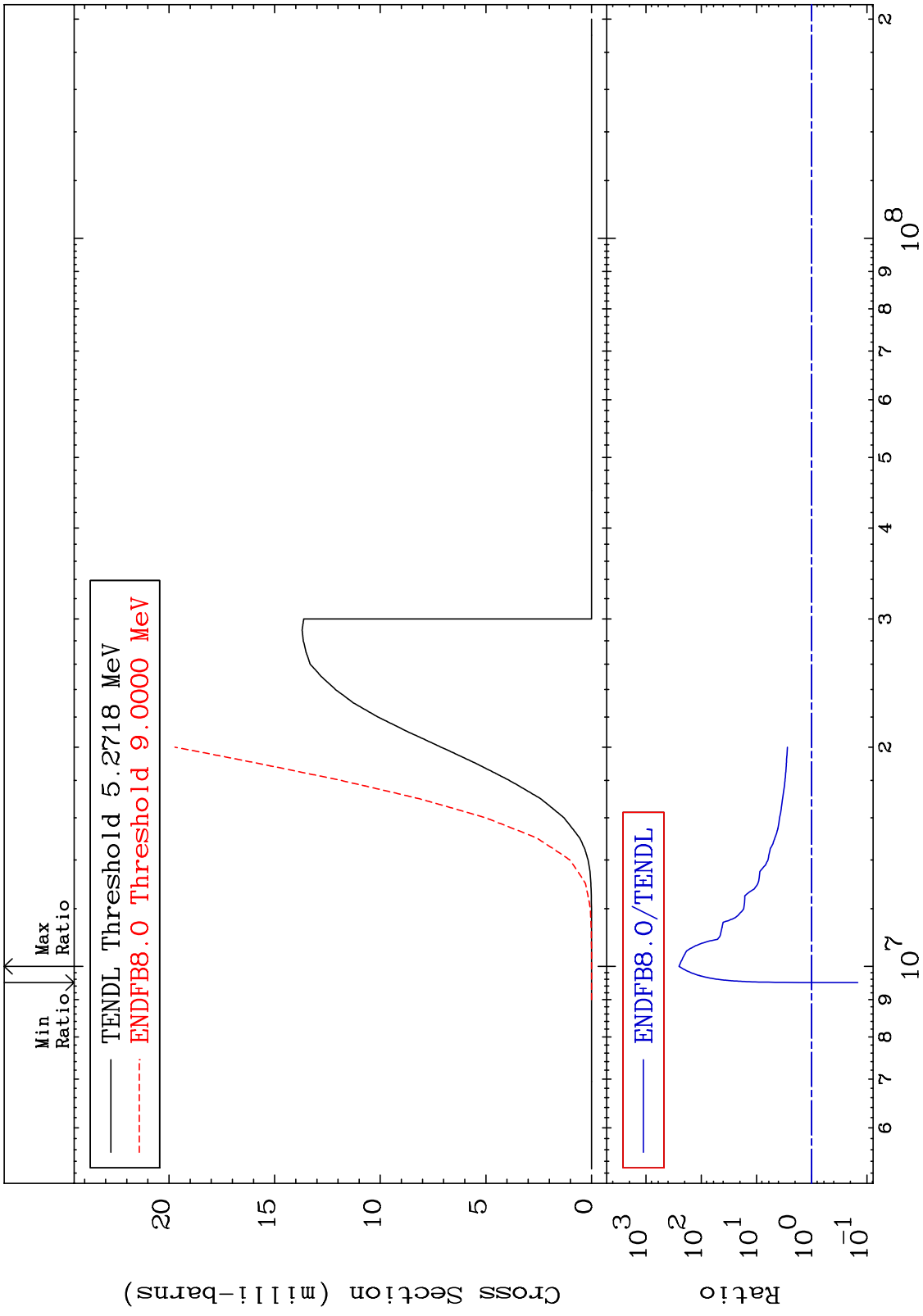


24 70-Yb-173

MAT 7040 (n,p) Cross Section 70-Yb-173 -74.16 To 48.37 %



70-Yb-173



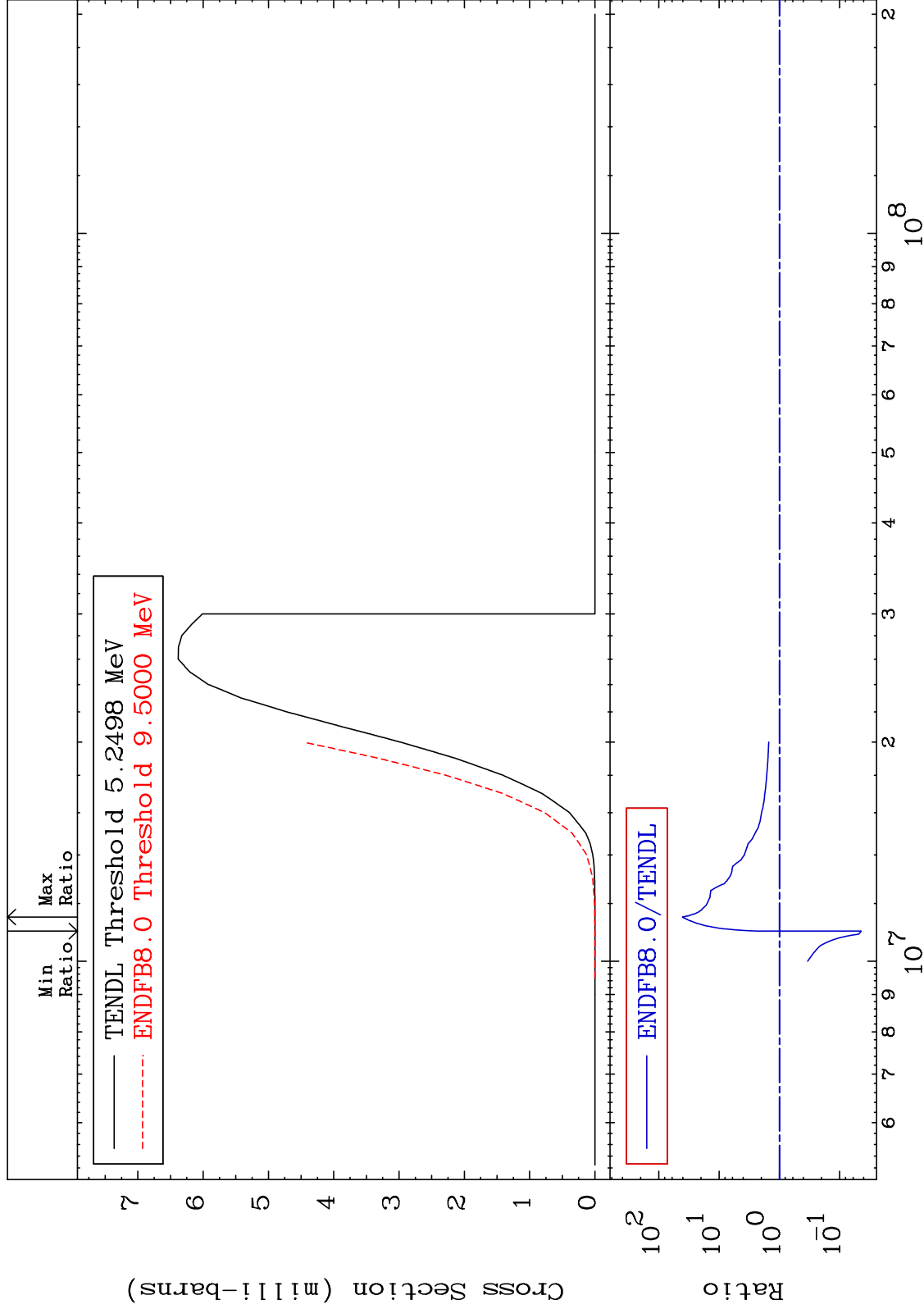
MAT 7040

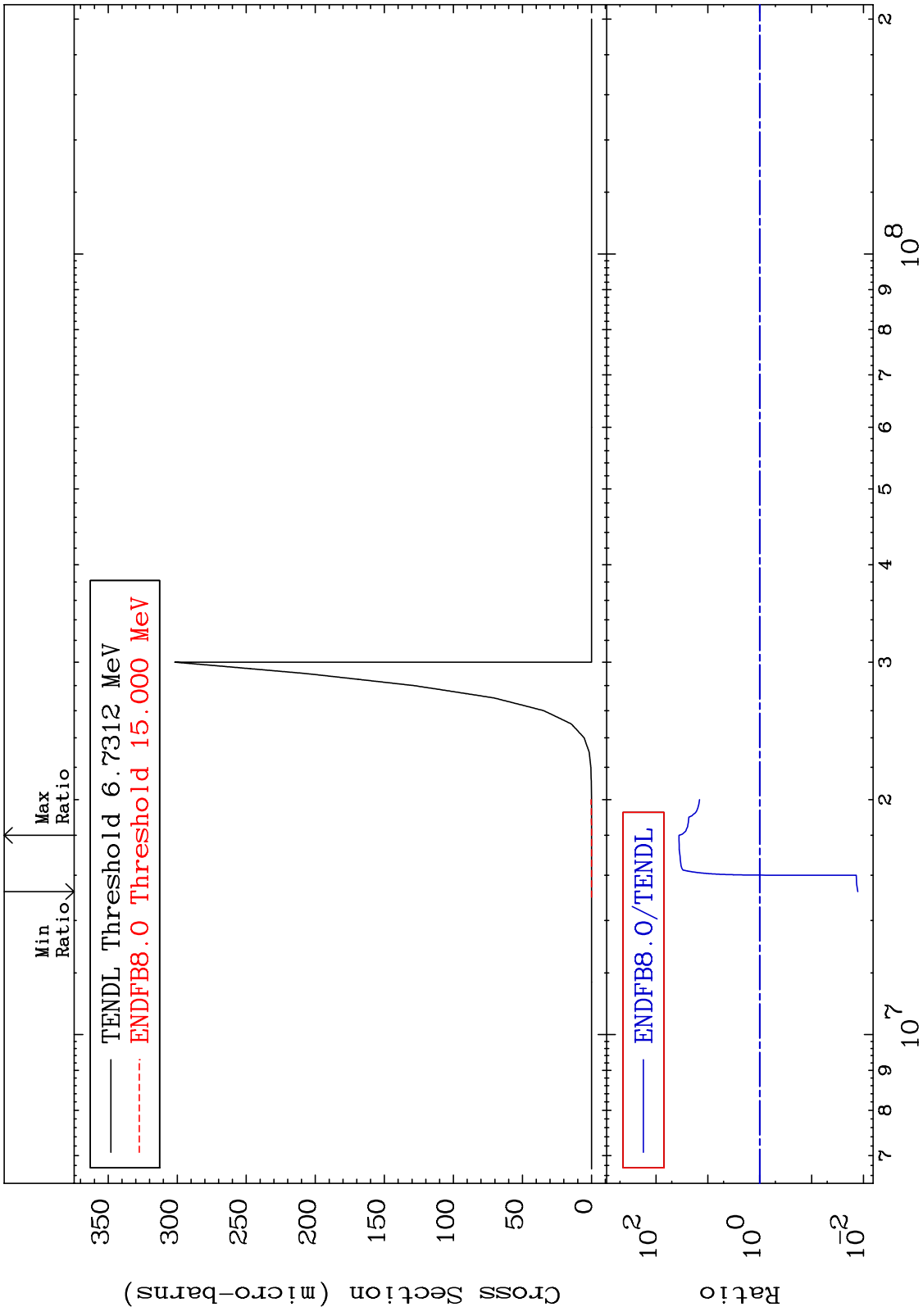
(n, t)

70-Yb-173

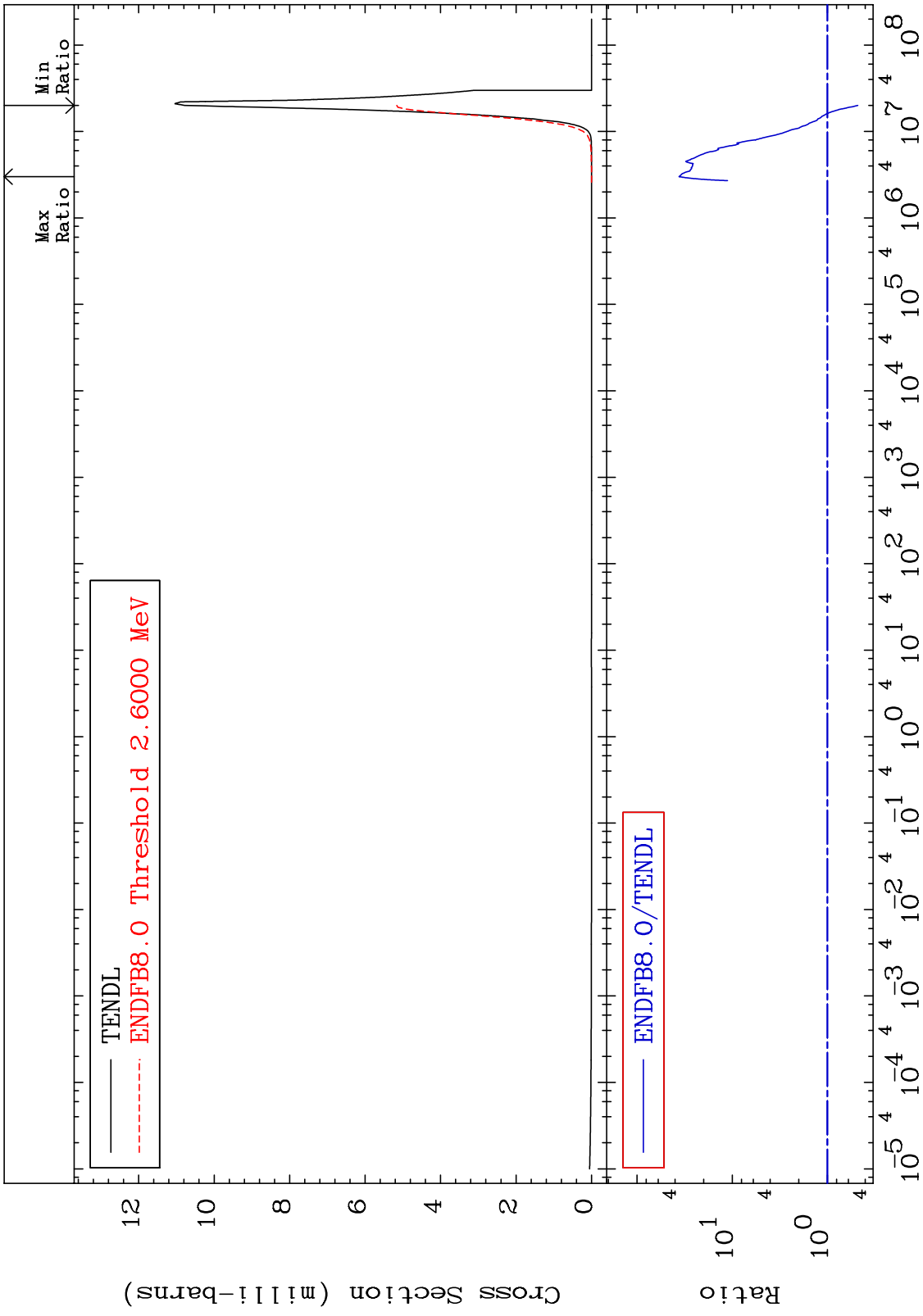
Cross Section

-95.62 To 3950. %



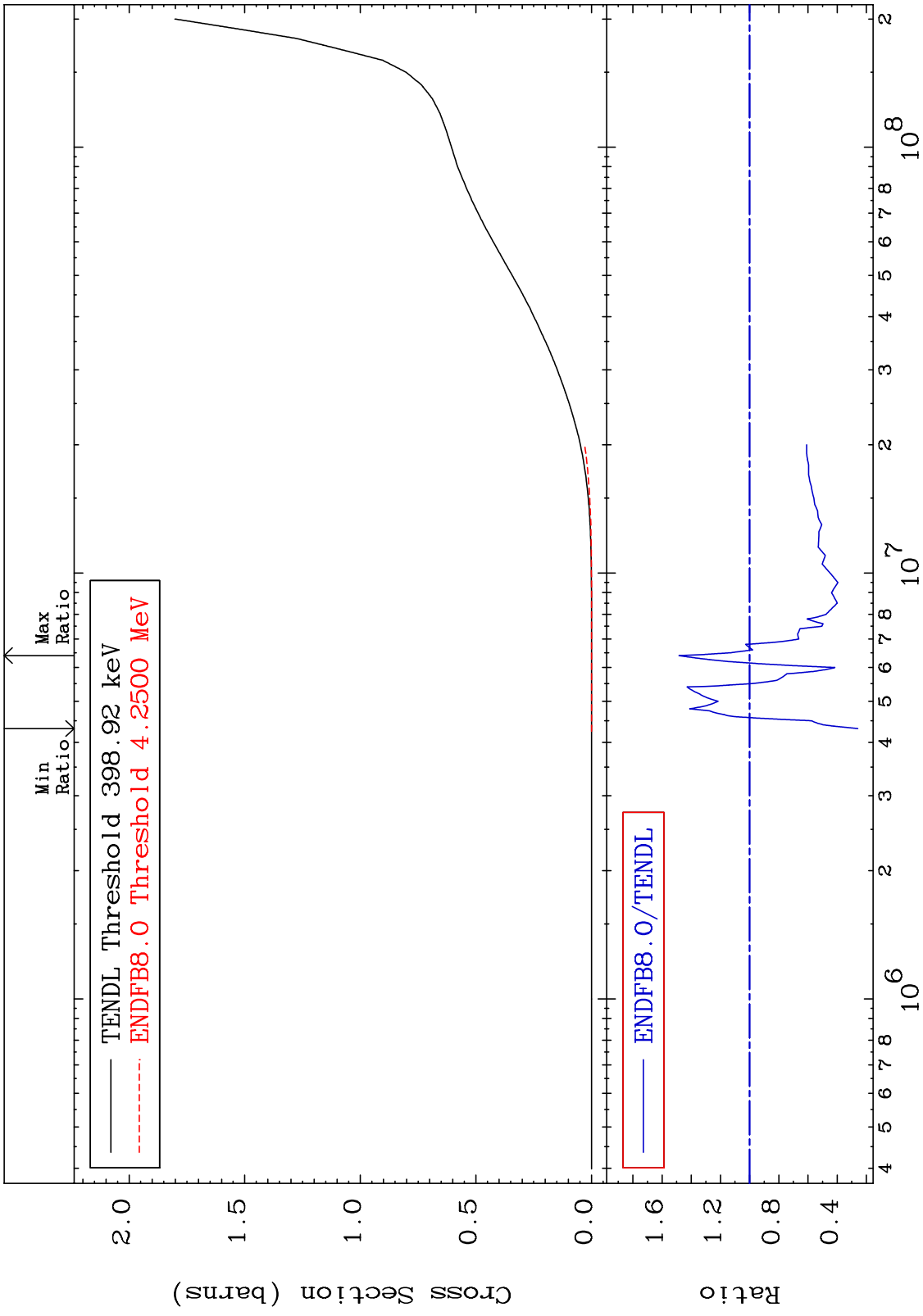


MAT 7040 (n, α) Cross Section $^{70}\text{Yb-173}$
 -52.16 To 3521. %



Incident Energy (eV) $^{70}\text{Yb-173}$

MAT 7040 Hydrogen Production Cross Section 70-Yb-173
 -74.16 To 48.37 %

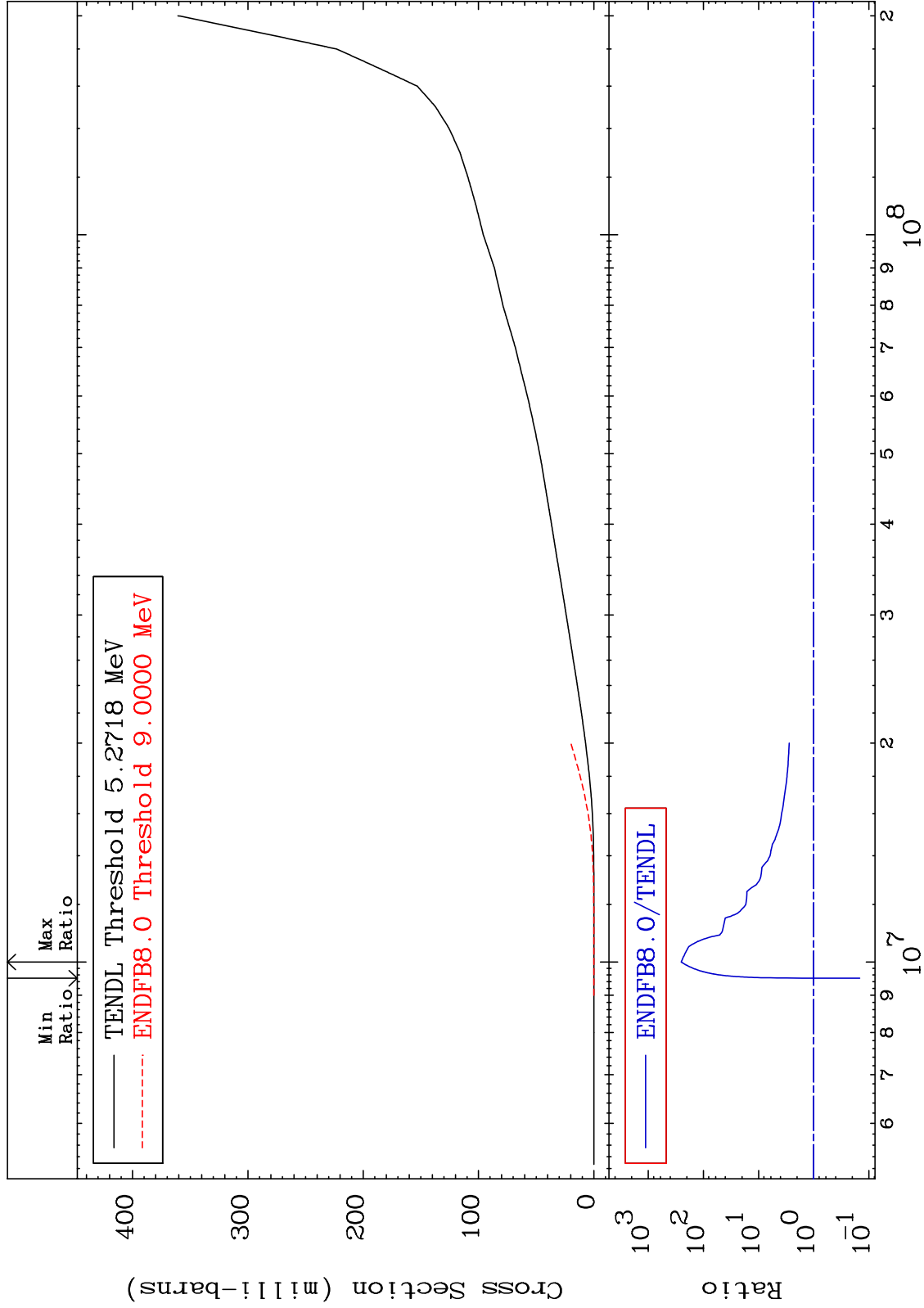


30 70-Yb-173

MAT 7040

Deuterium Production
Cross Section

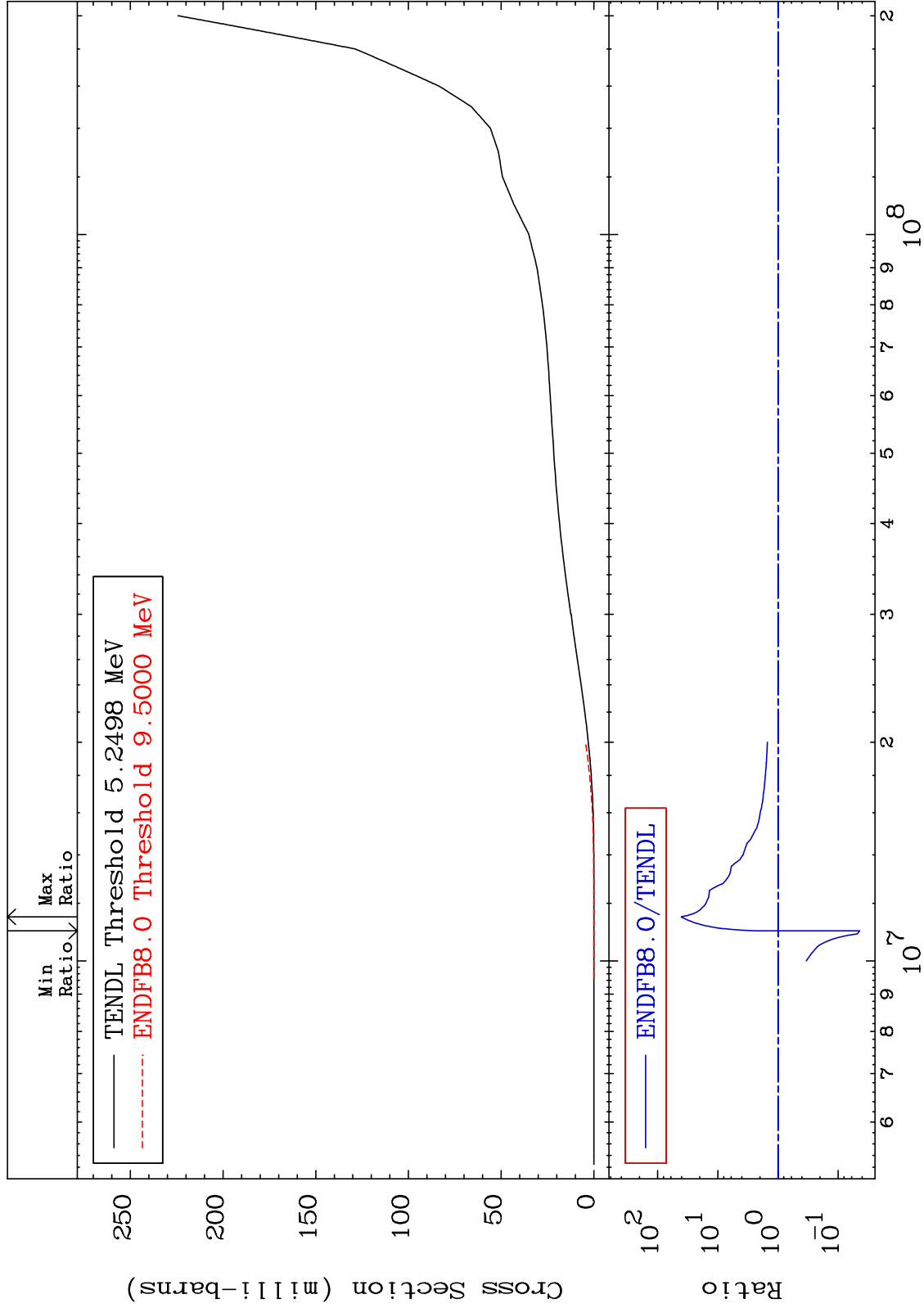
70-Yb-173
-85.36 To 9999. %



MAT 7040

Tritium Production
Cross Section

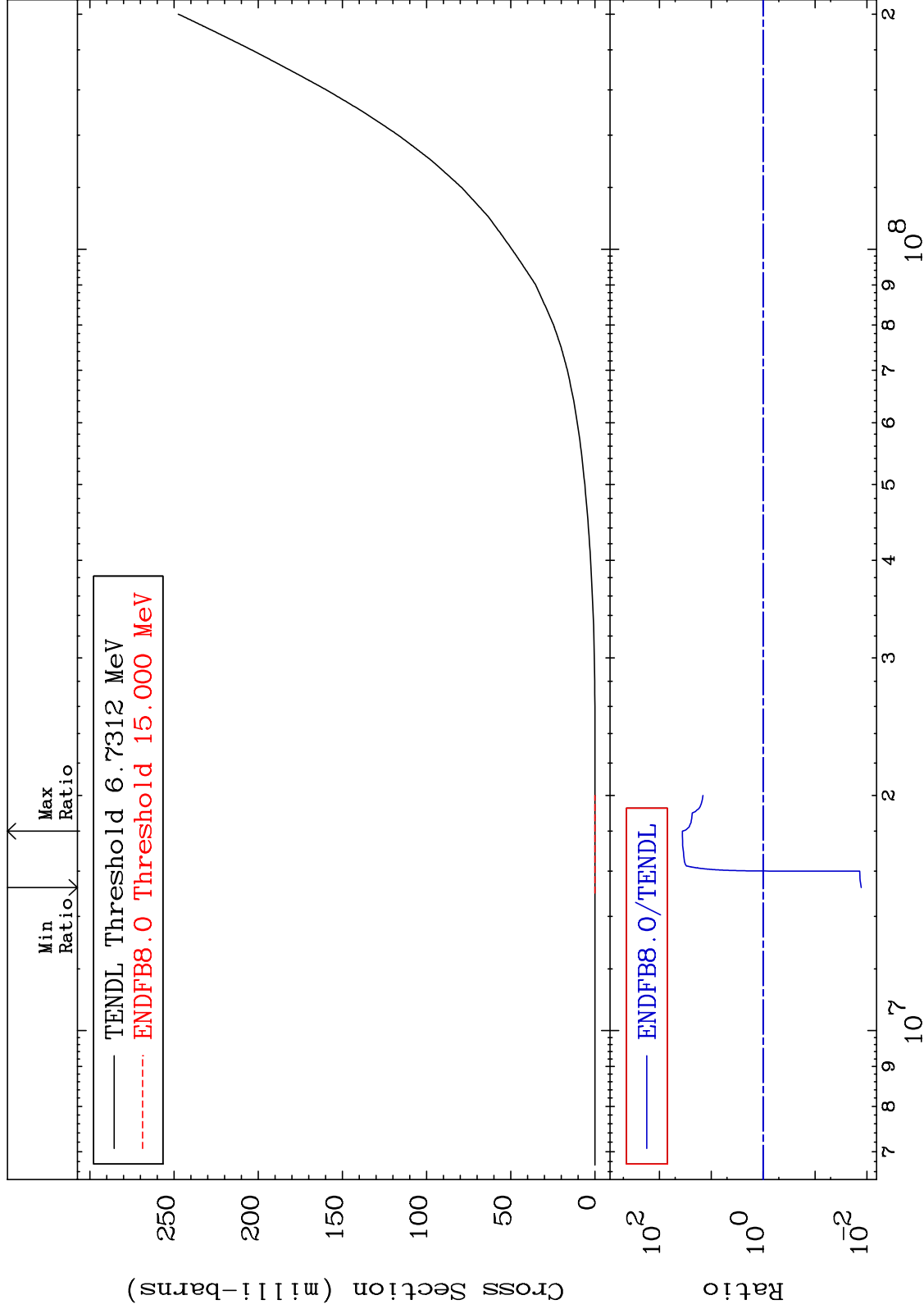
70-Yb-173
-95.62 To 3950. %



MAT 7040

He-3 Production
Cross Section

70-Yb-173
-98.72 To 3505. %

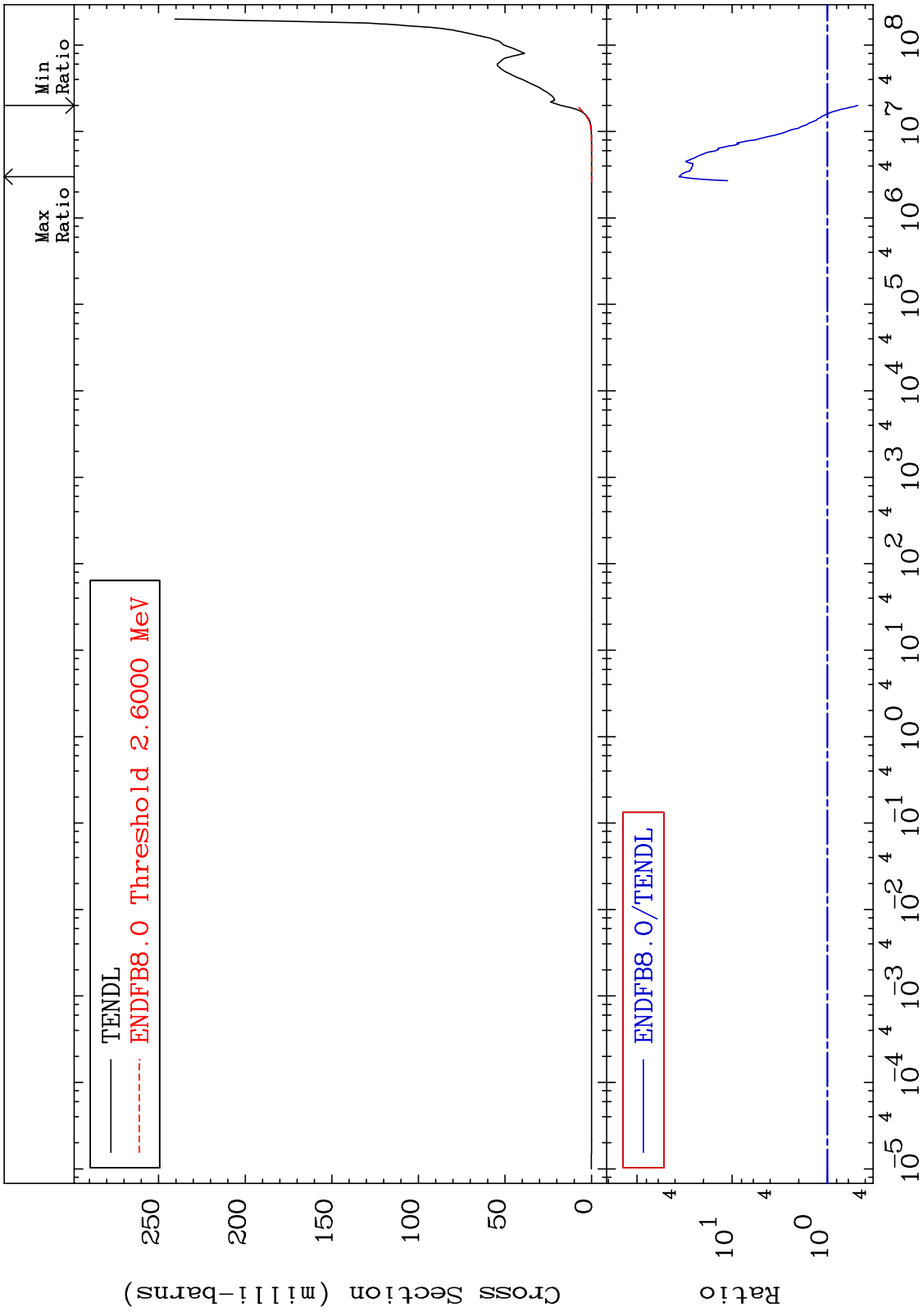


33

Incident Energy (eV)

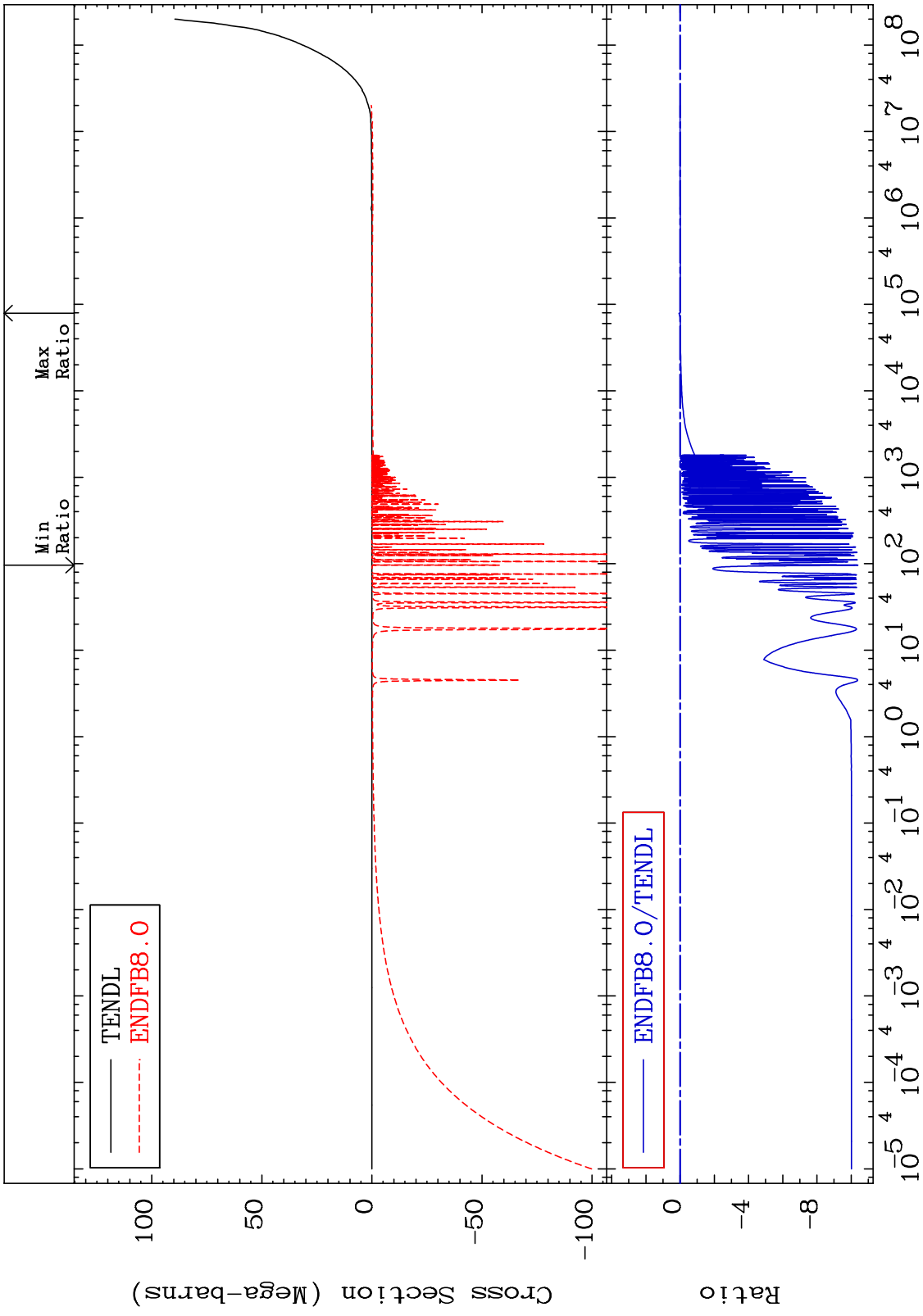
70-Yb-173

MAT 7040 He-4 Production Cross Section 70-Yb-173
 -52.25 To 3521. %



34 Incident Energy (eV) 70-Yb-173

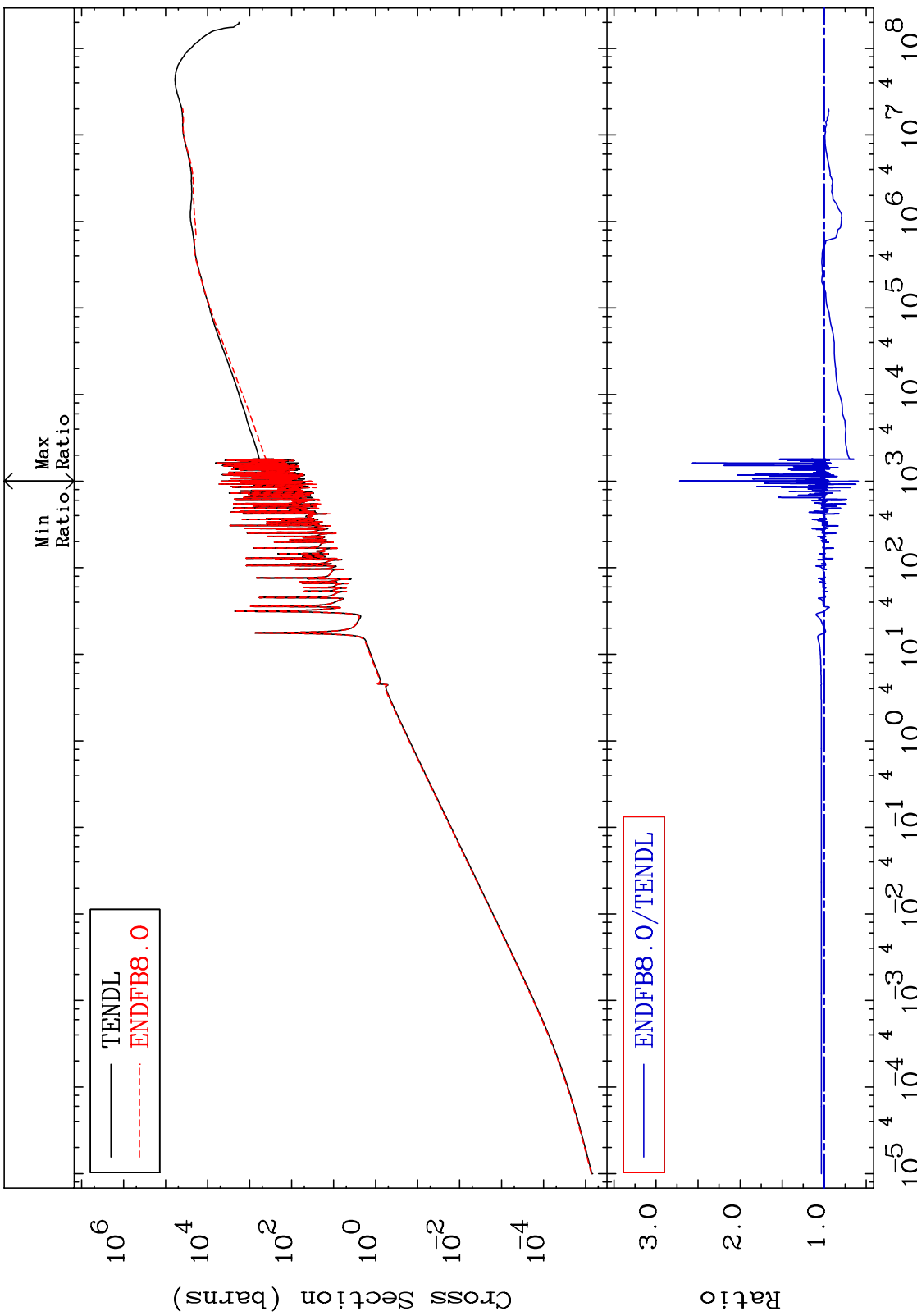
MAT 7040 Kerma total (eV-barns) 70-Yb-173
 Cross Section -9999. To 6101. %



MAT 7040

Kerma elastic
Cross Section

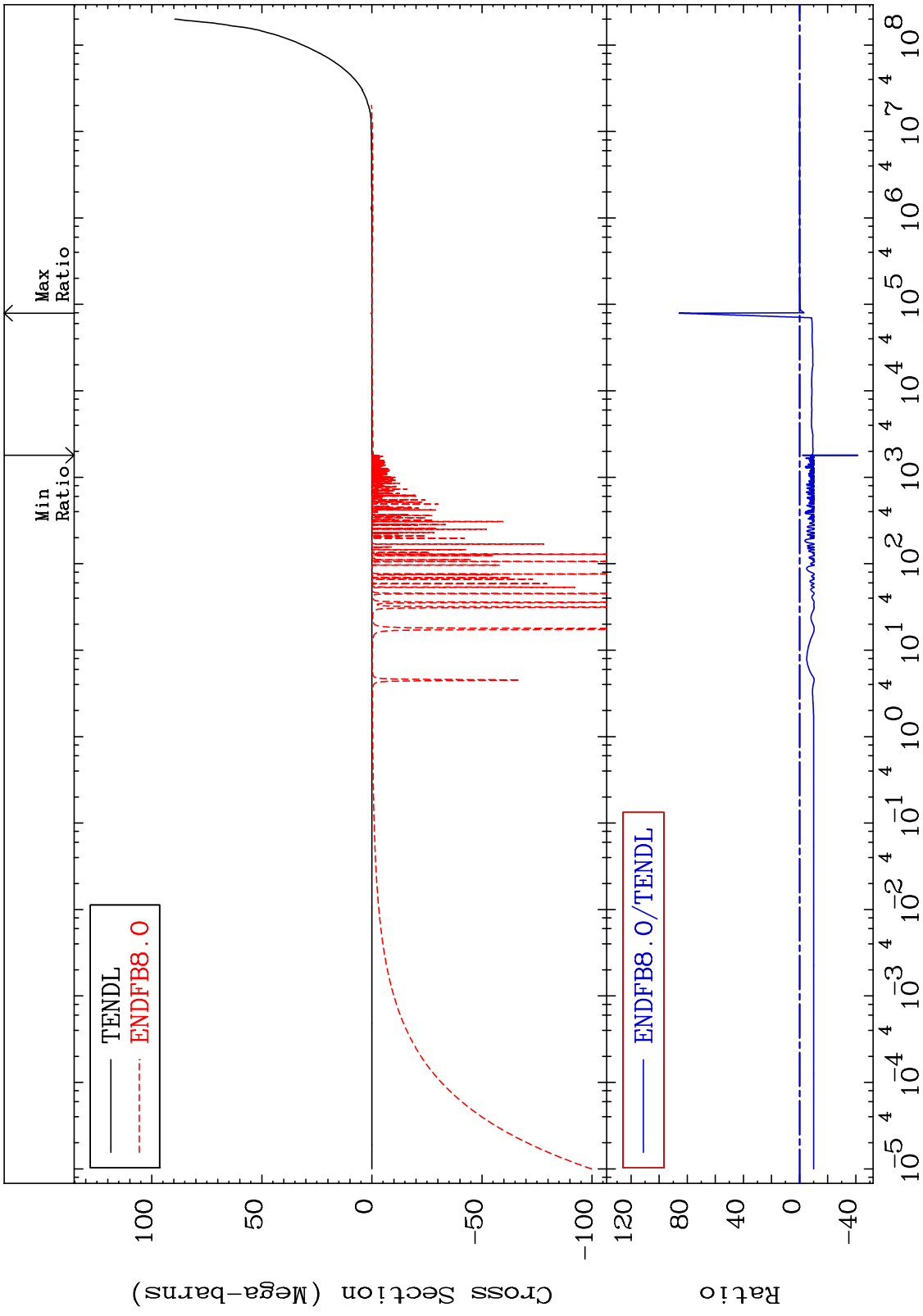
70-Yb-173
-40.67 To 172.1 %



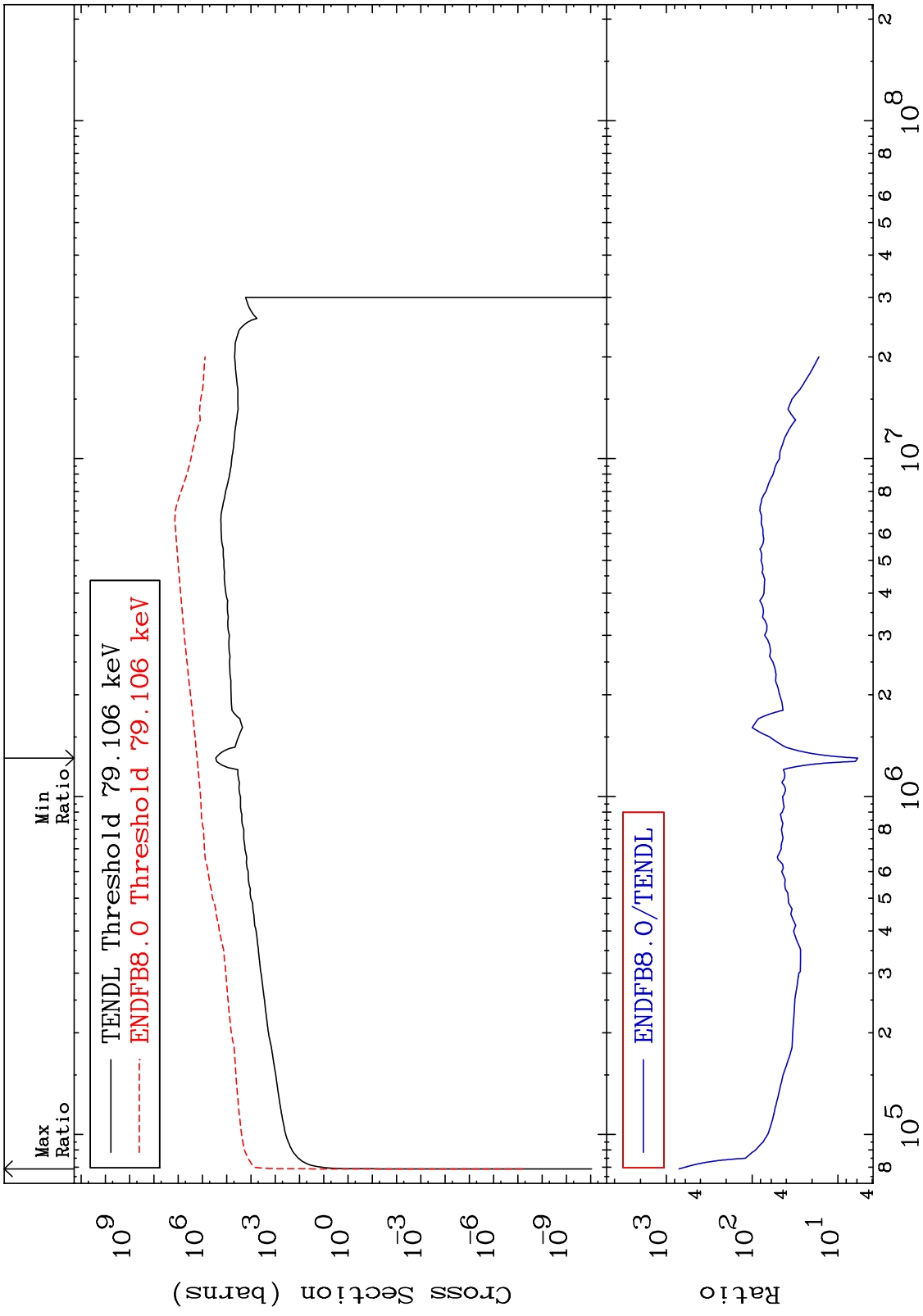
70-Yb-173

Incident Energy (eV)

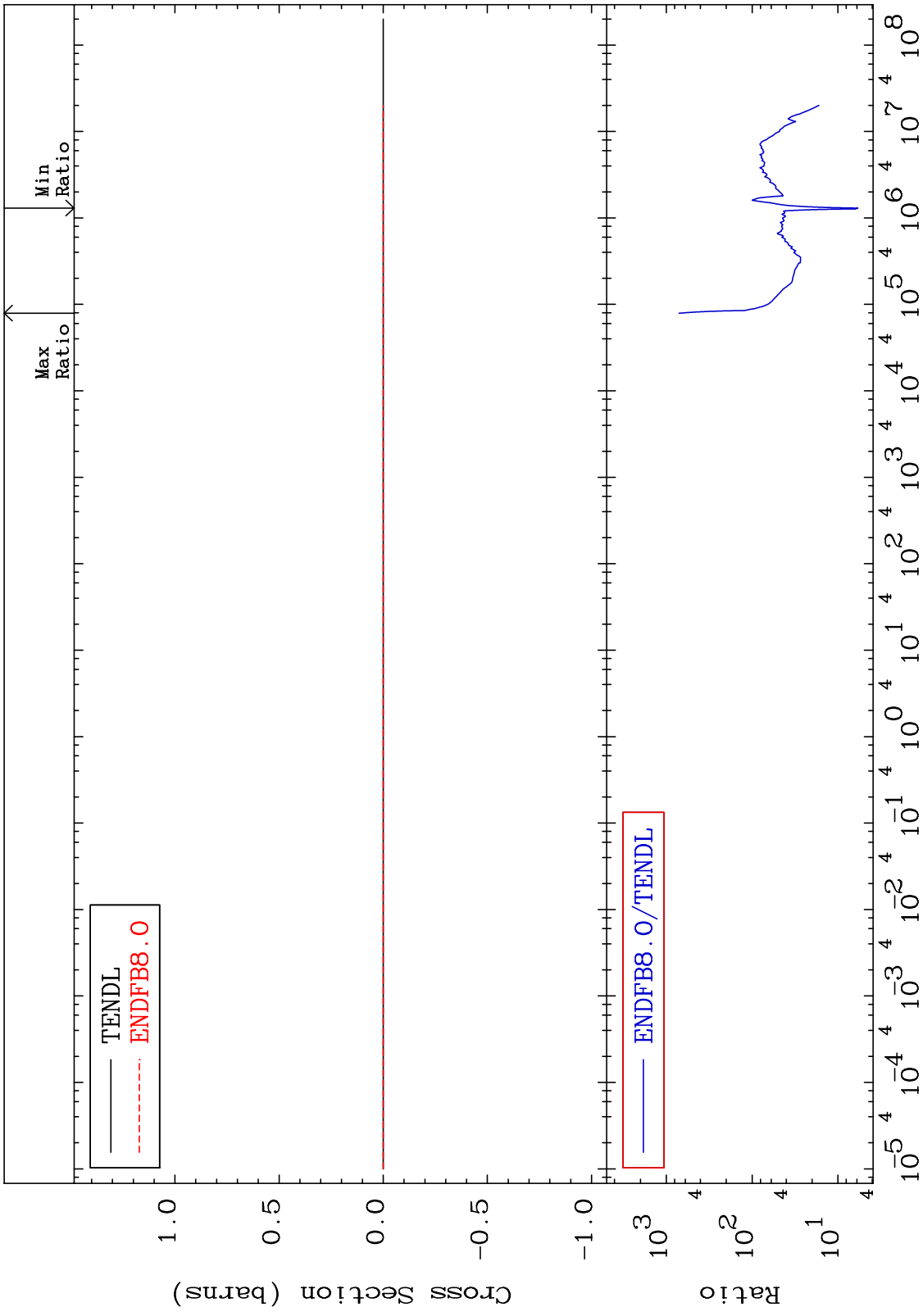
MAT 7040 Kerma non-elastic (all but mt2) 70-Yb-173
 Cross Section -9999. To 9999. %



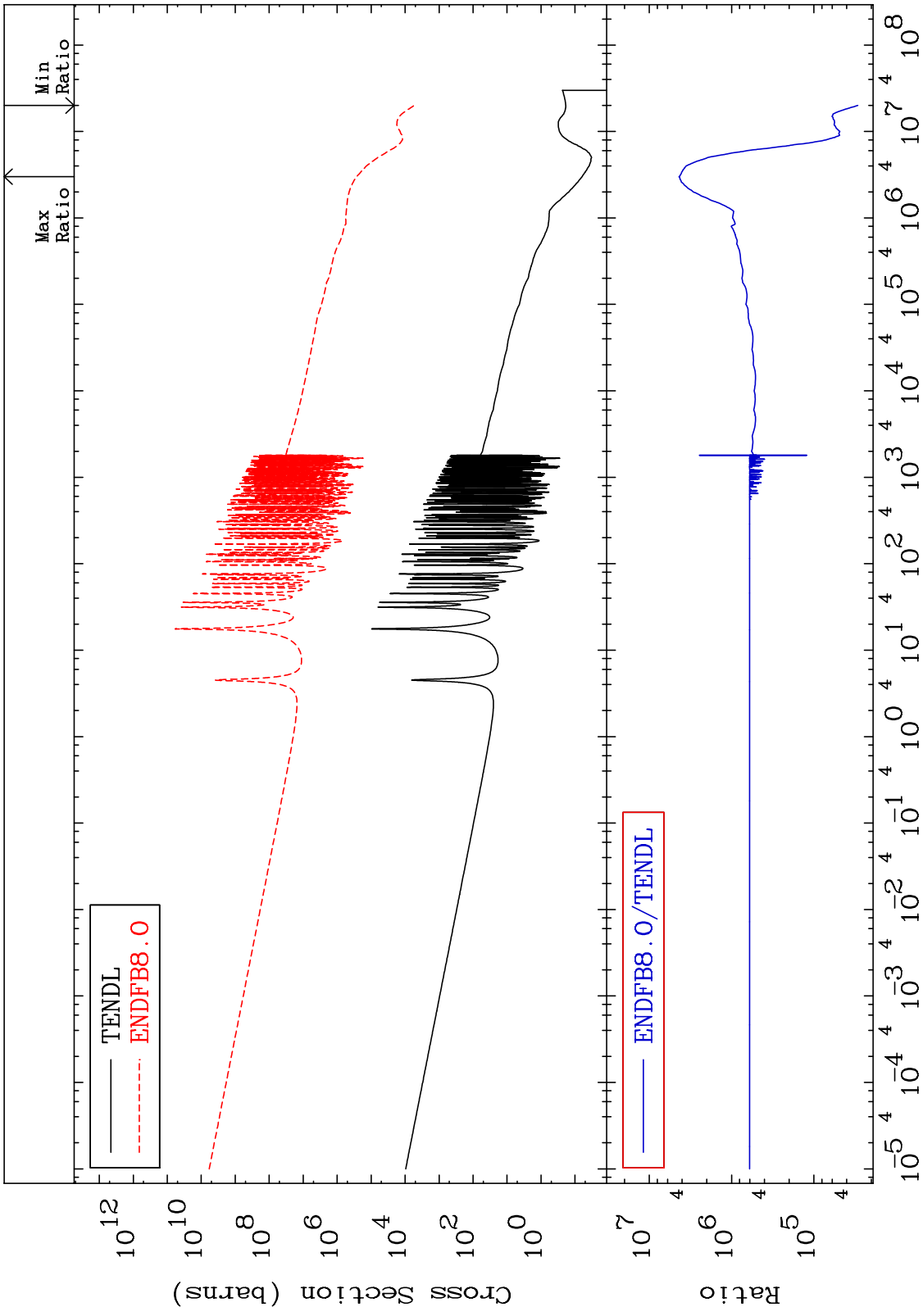
MAT 7040 Kerma inelastic (mt51-91) 70-Yb-173
 Cross Section 486.6 To 9999. %



MAT 7040 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-173
 Cross Section 486.6 To 9999. %

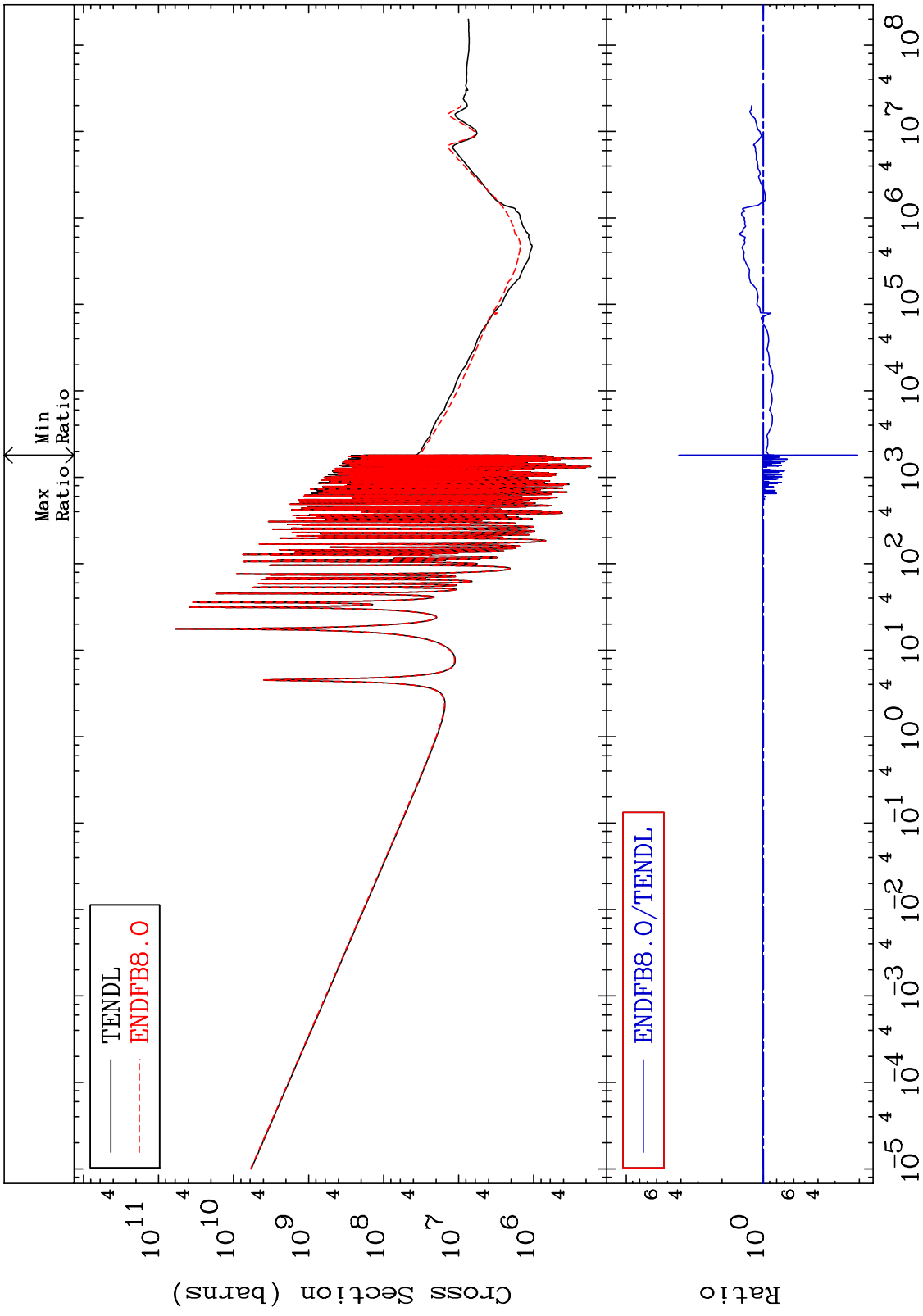


MAT 7040 Kerma capture (mt102) 70-Yb-173
 Cross Section 9999. To 9999. %



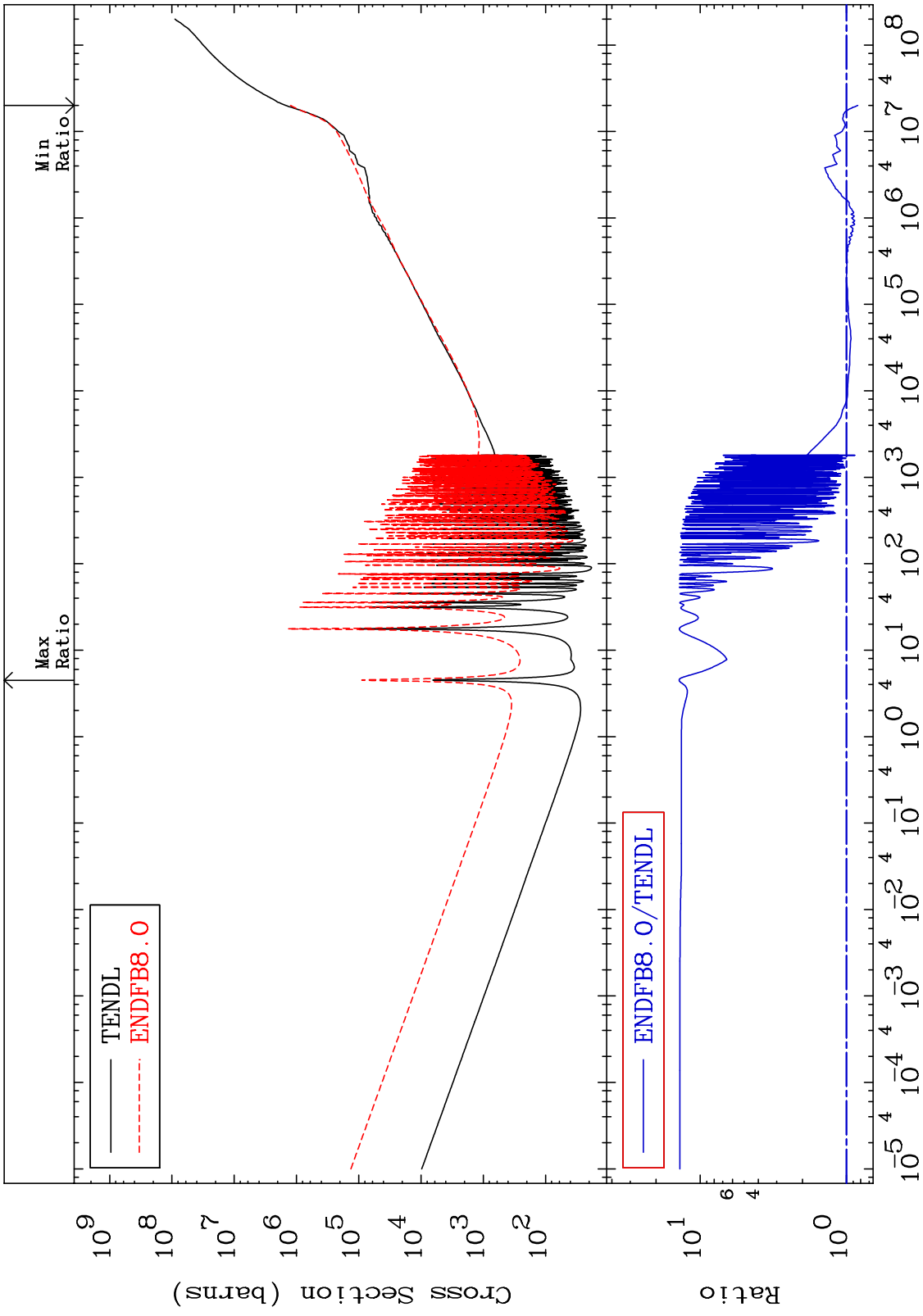
40 Incident Energy (eV) 70-Yb-173

MAT 7040 70-Yb-173
-79.52 To 312.5 %
 Total photon (eV-barns)
 Cross Section

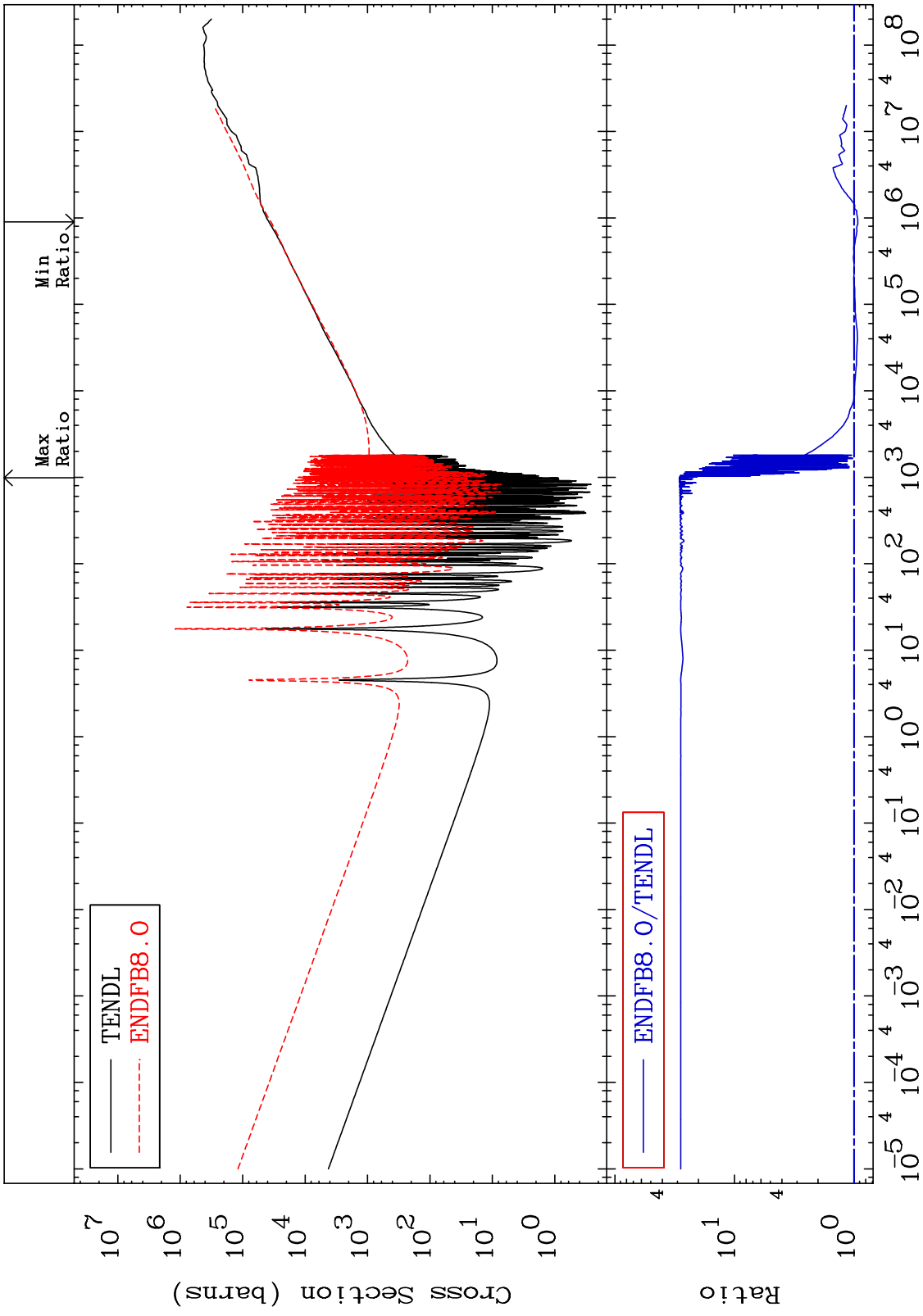


Incident Energy (eV) 70-Yb-173

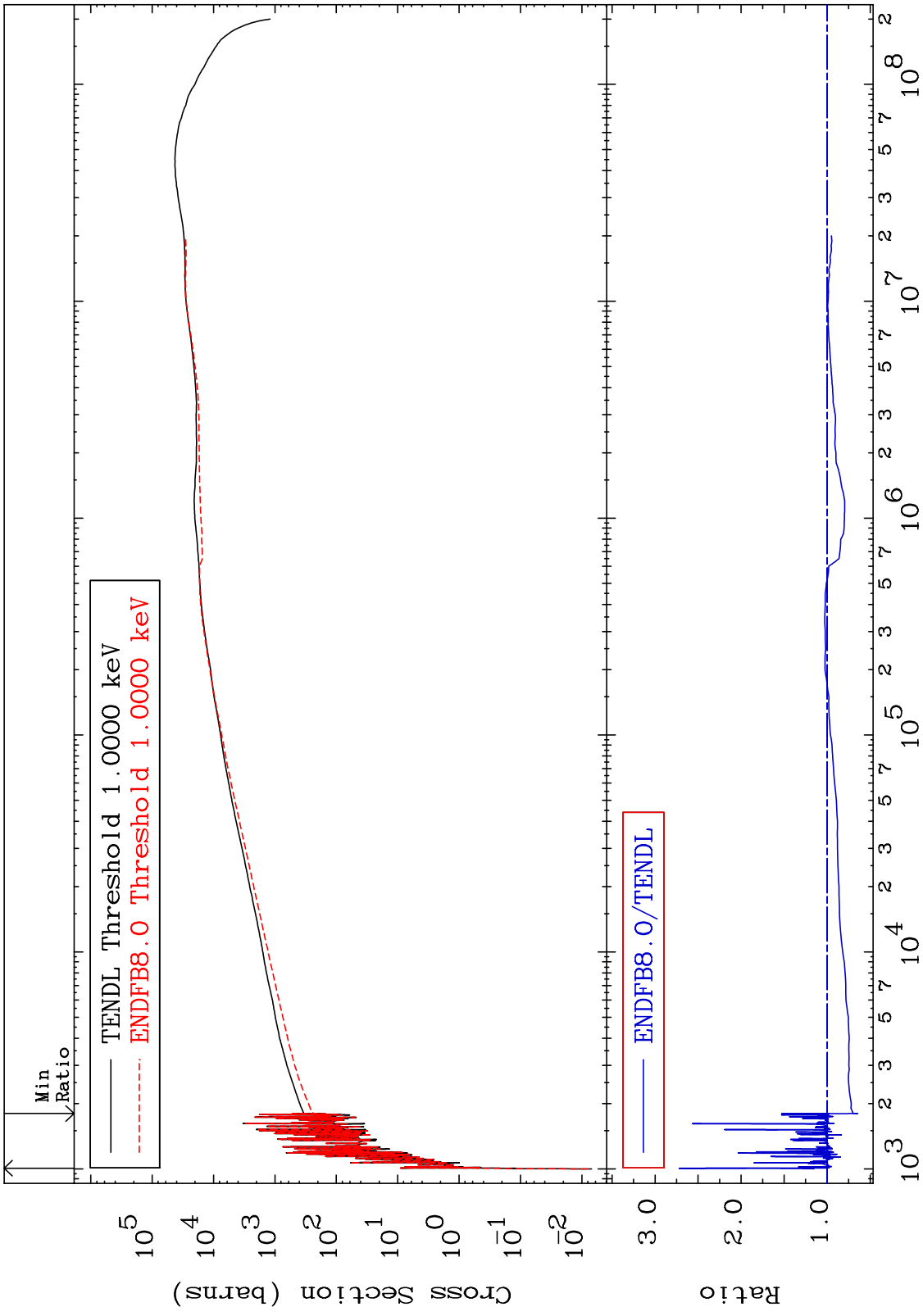
MAT 7040 Total kinematic kerma (high limit) 70-Yb-173
 Cross Section -16.36 To 1292. %



MAT 7040 Dpa total (eV-barns) 70-Yb-173
 -7.183 To 2804. %

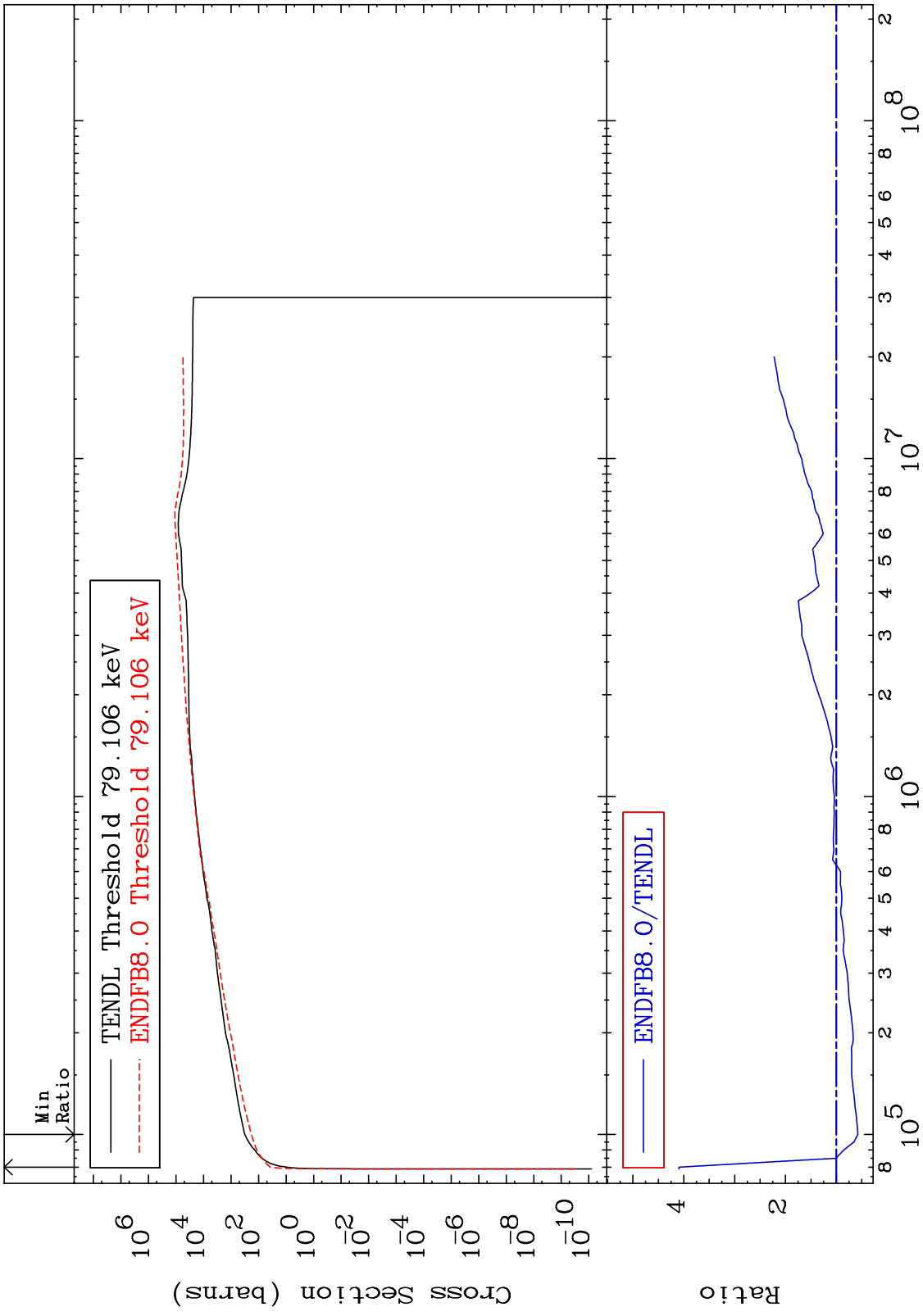


MAT 7040 Dpa elastic (mt2) 70-Yb-173
 Cross Section -35.68 To 172.1 %



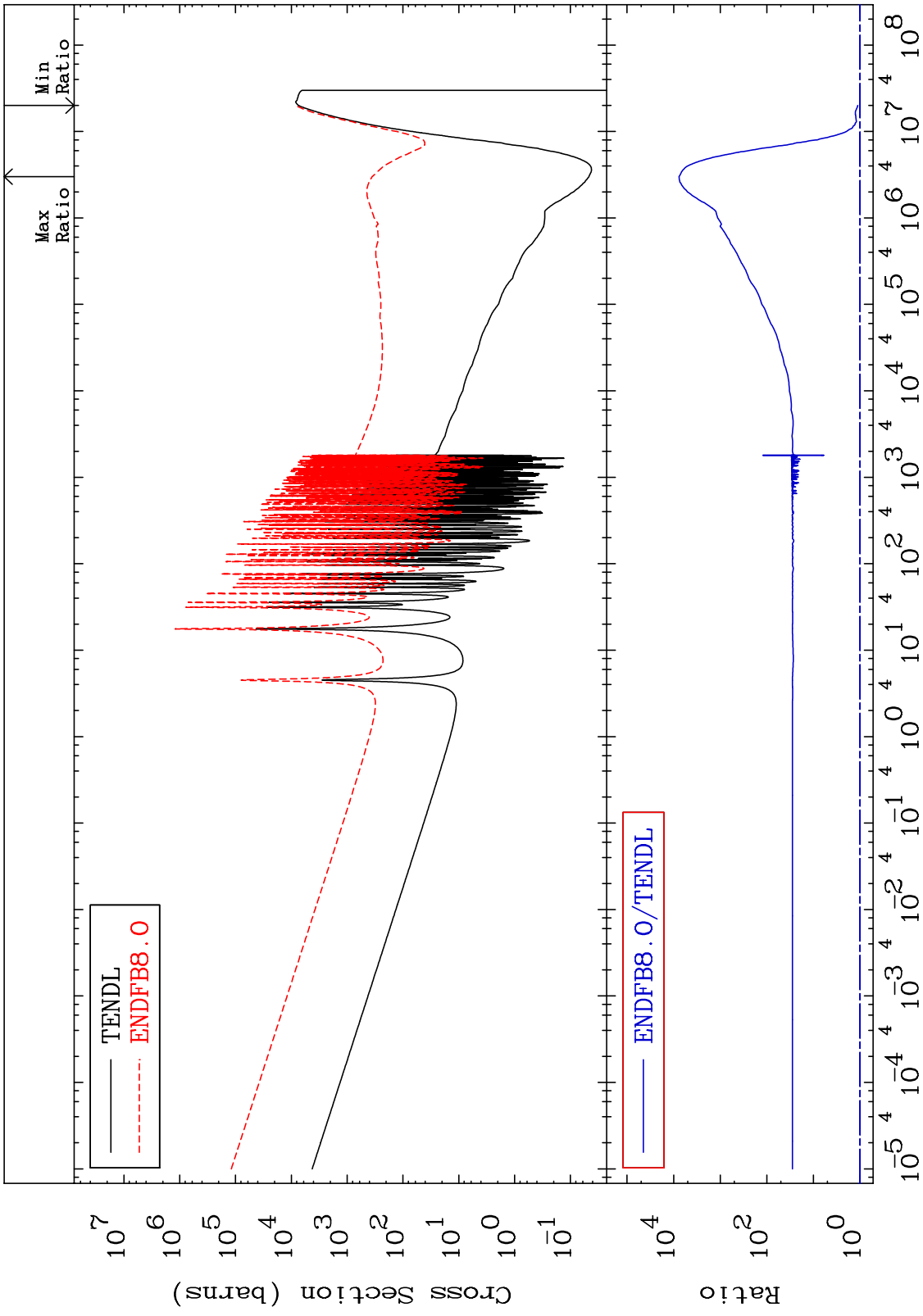
44 Incident Energy (eV) 70-Yb-173

MAT 7040 Dpa inelastic (mt51-91) 70-Yb-173
Cross Section -42.23 To 309.3 %



45 Incident Energy (eV) 70-Yb-173

MAT 7040 Dpa disappearance (mt102 -120) 70-Yb-173
 Cross Section 10.95 To 9999. %



46 70-Yb-173