

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

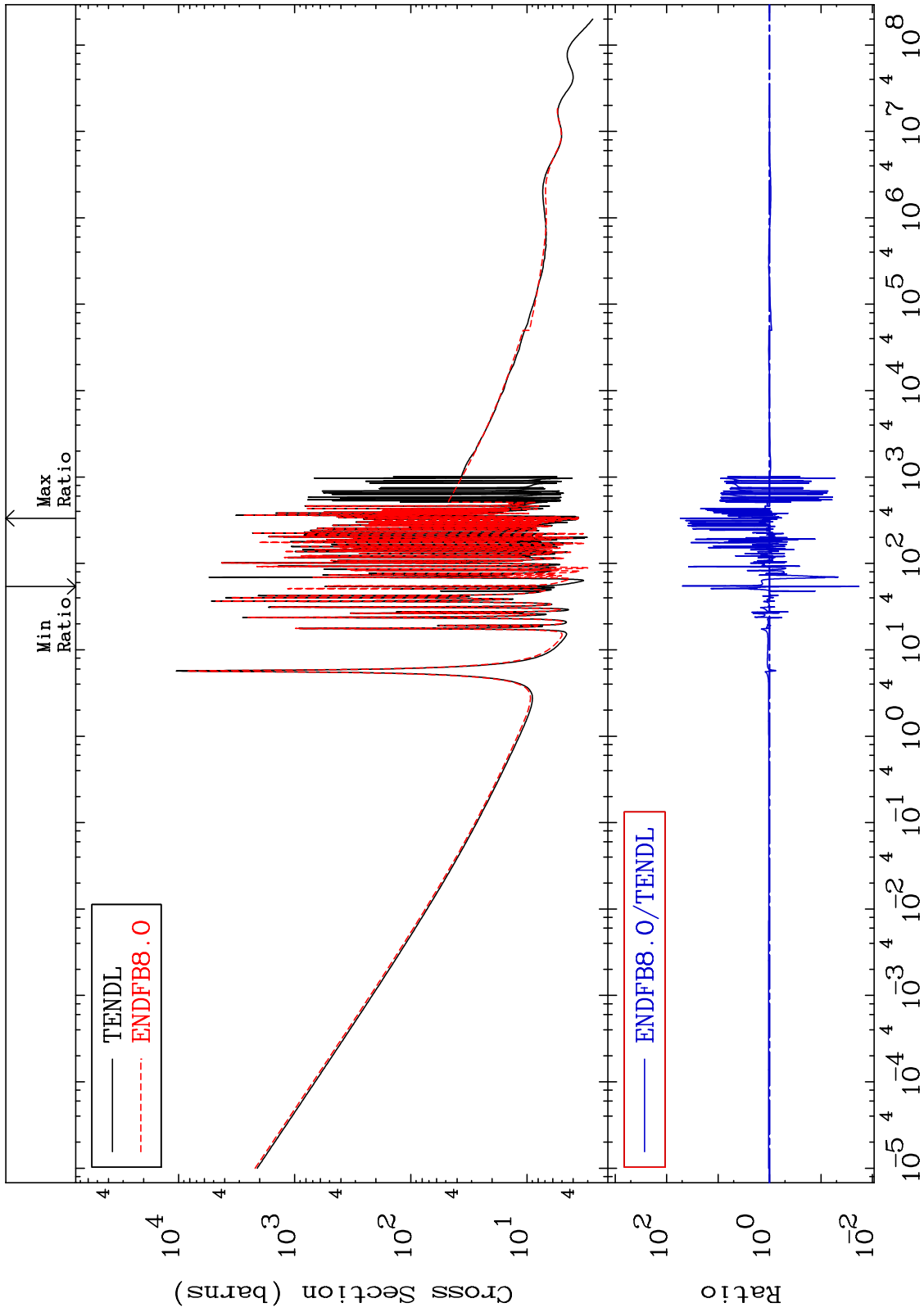
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7240 Total Cross Section 72-Hf-179 -98.16 To 5350. %

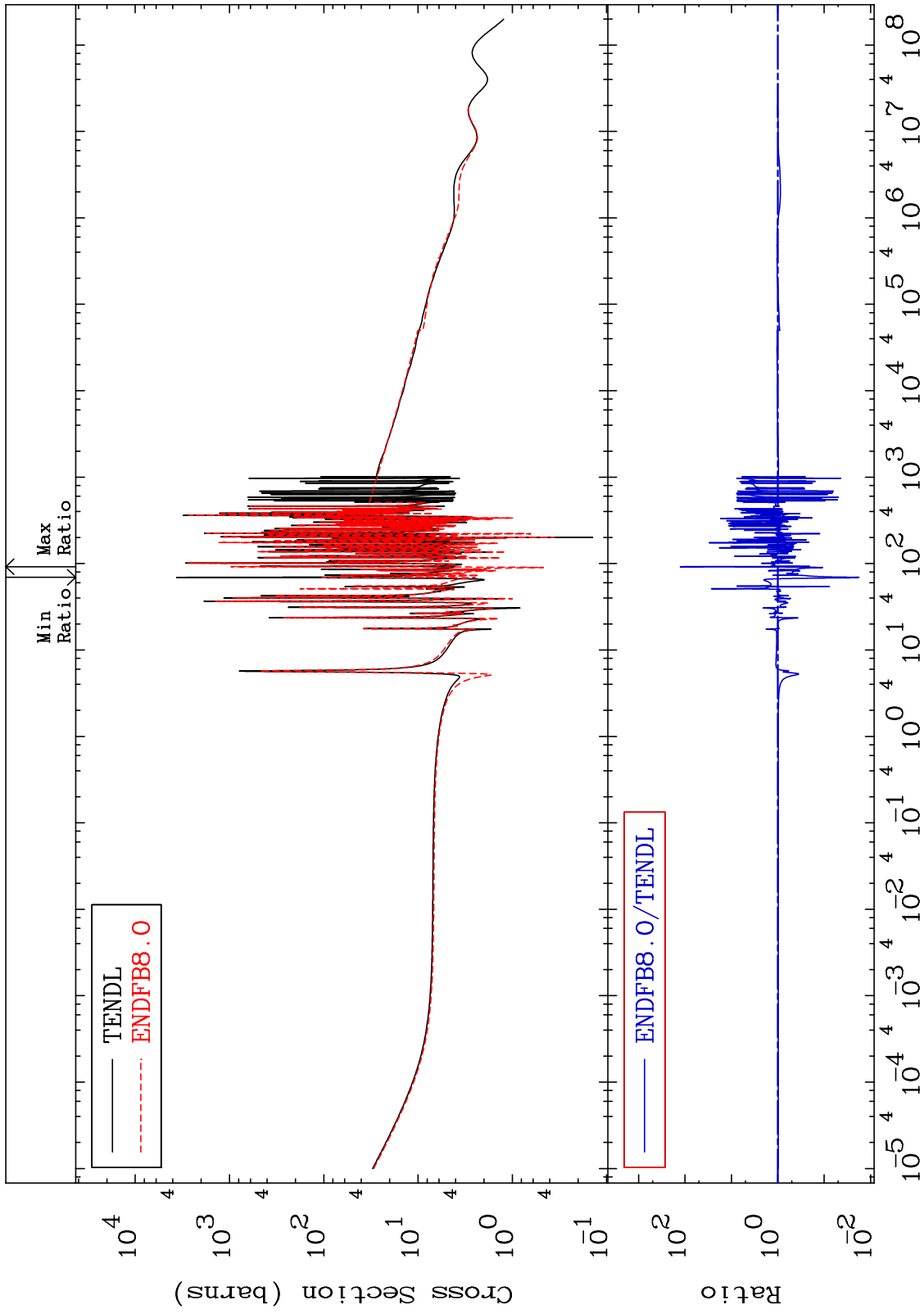


1 Incident Energy (eV) 72-Hf-179

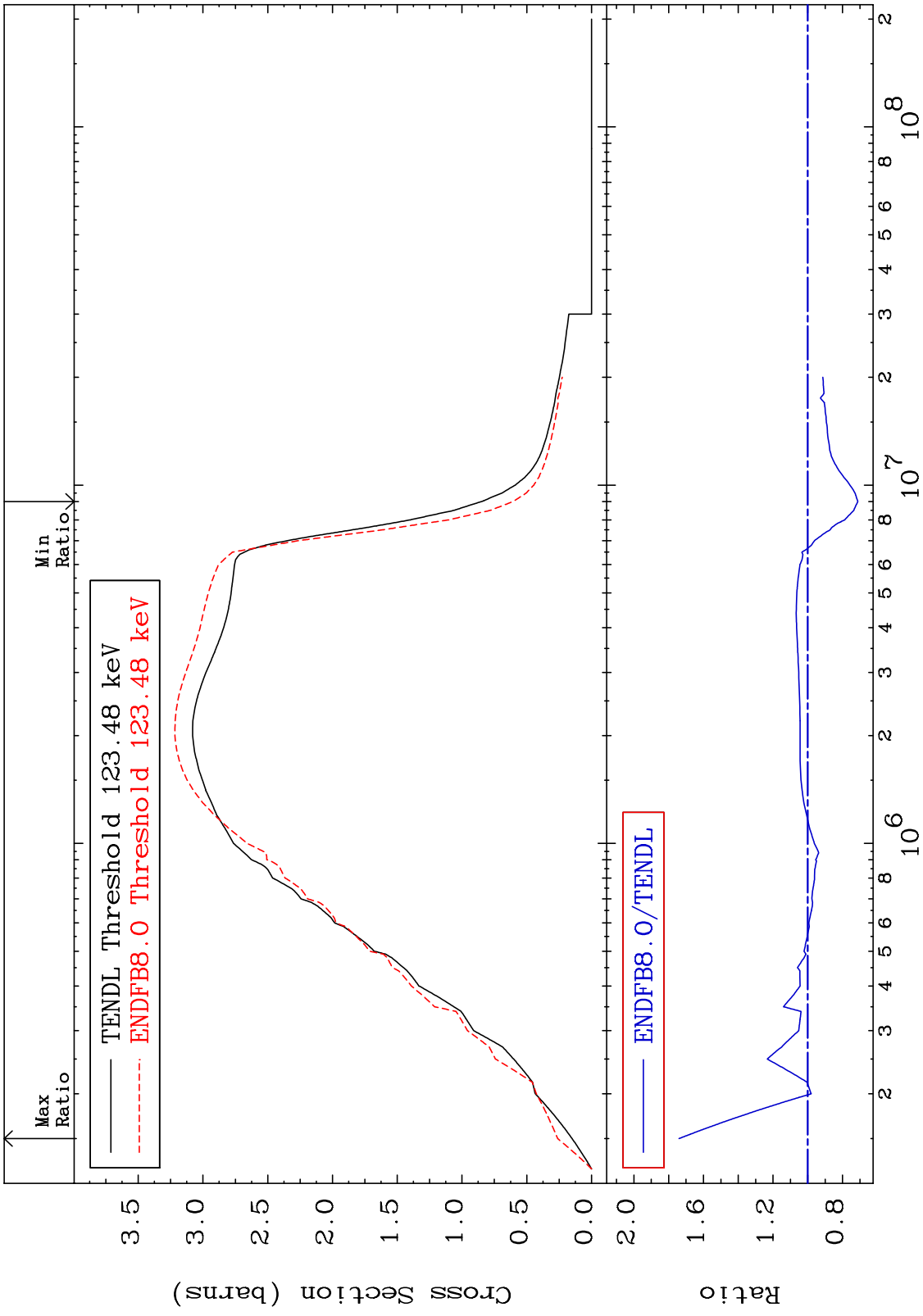
MAT 7240

Elastic
Cross Section

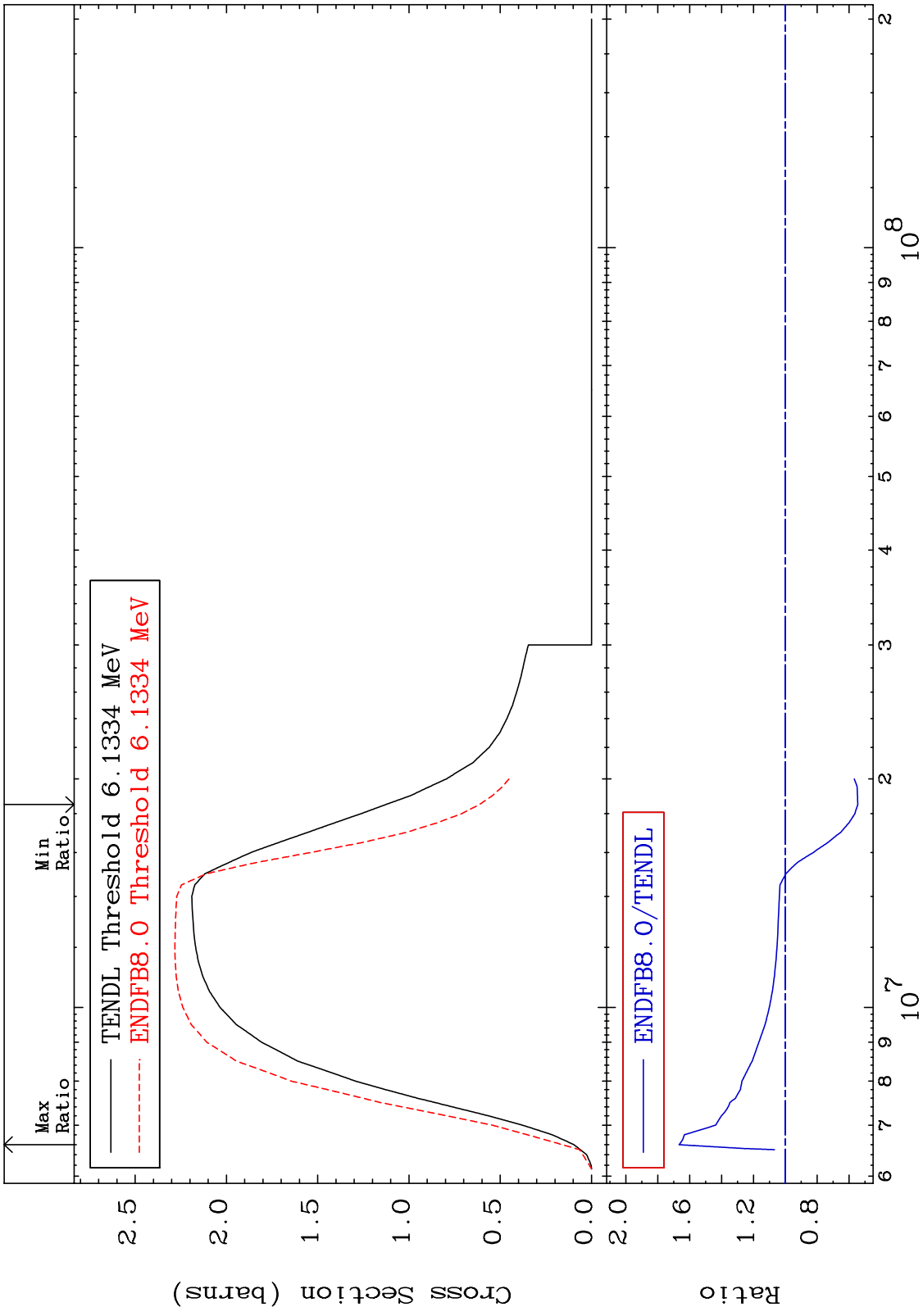
72-Hf-179
-98.22 To 9999. %



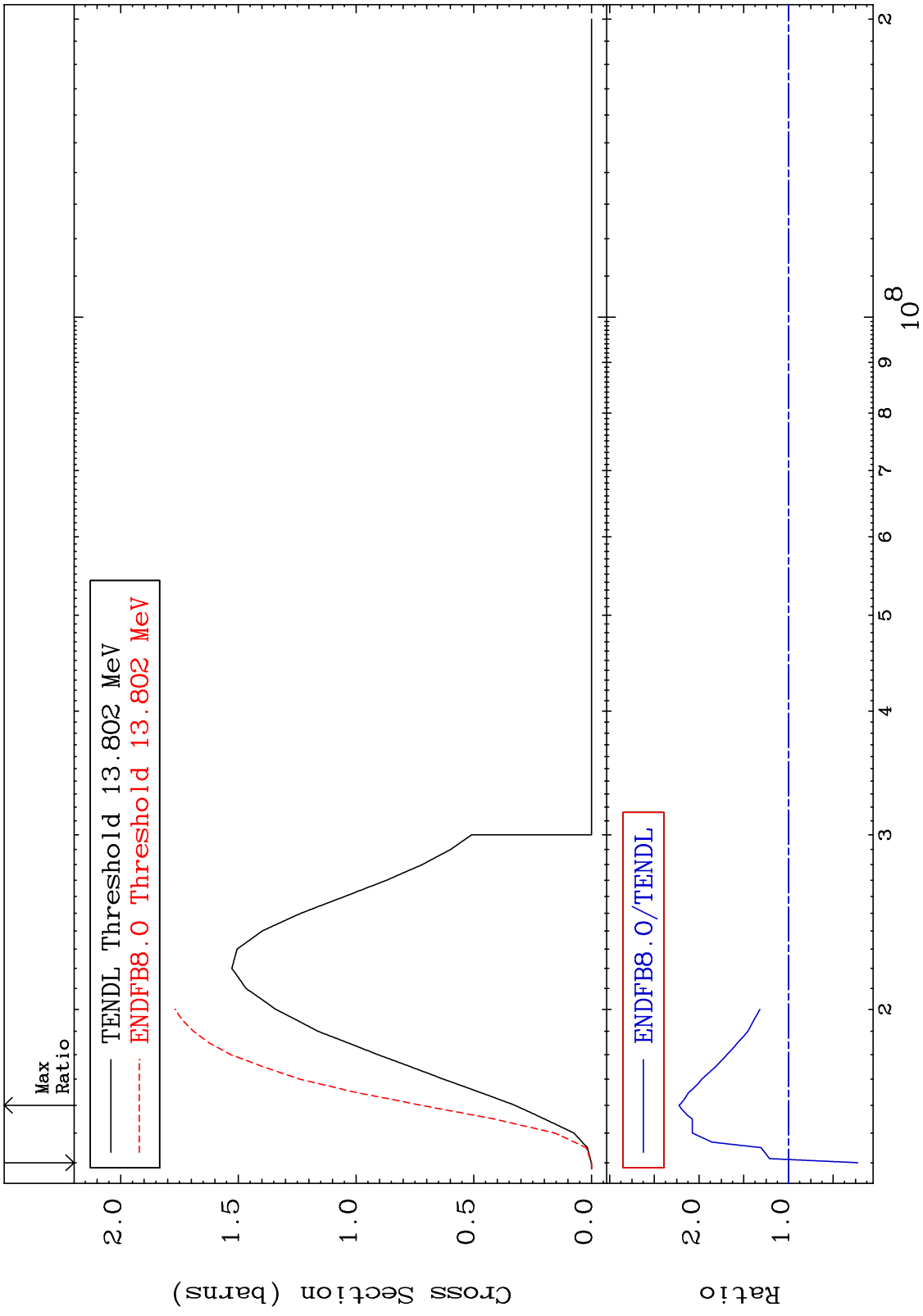
MAT 7240 Inelastic Cross Section 72-Hf-179 -28.78 To 74.04 %



MAT 7240 72-Hf-179
-45.48 To 66.65 %
 (n,2n)
 Cross Section

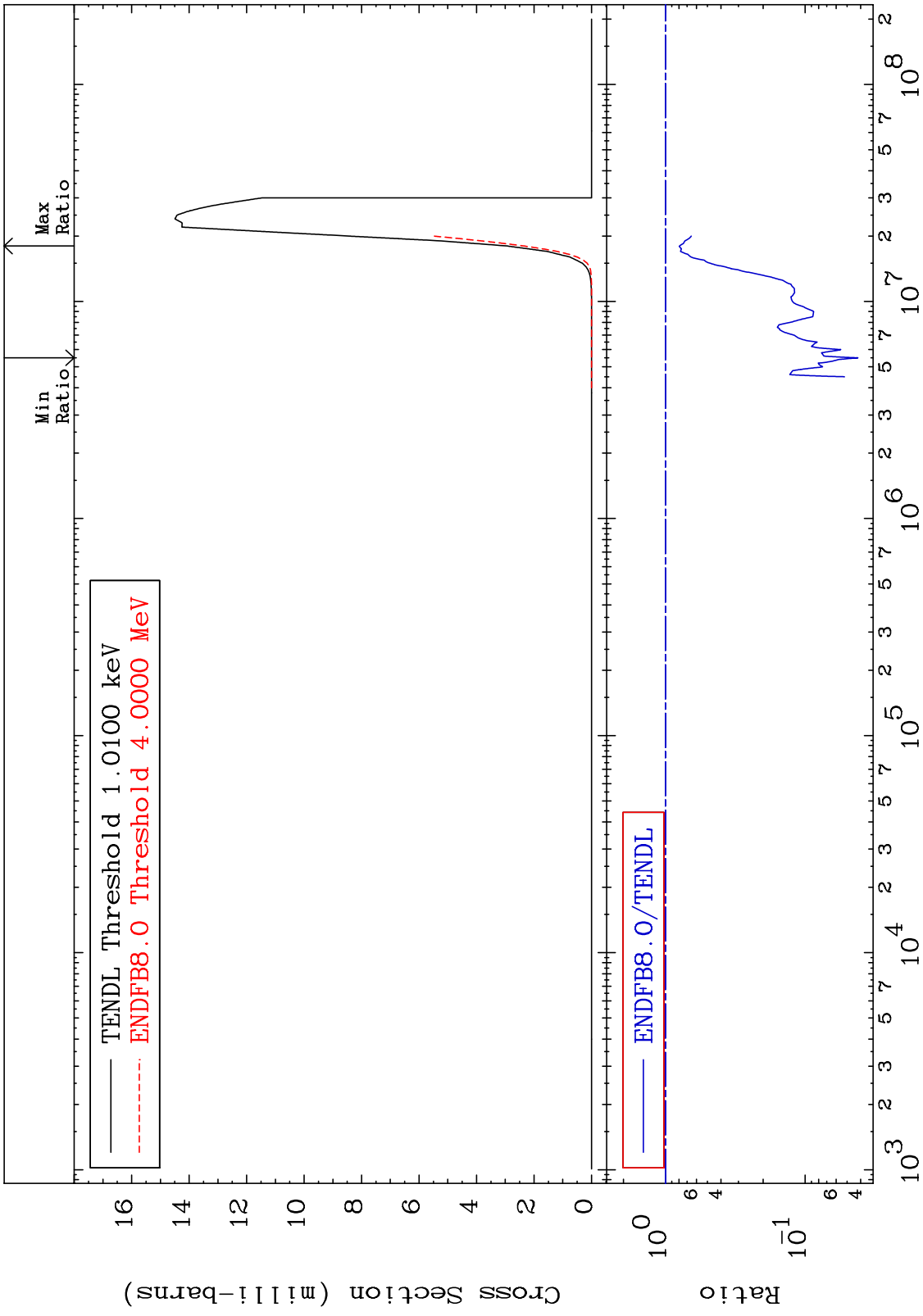


MAT 7240 (n,3n) Cross Section 72-Hf-179 -77.57 To 122.4 %



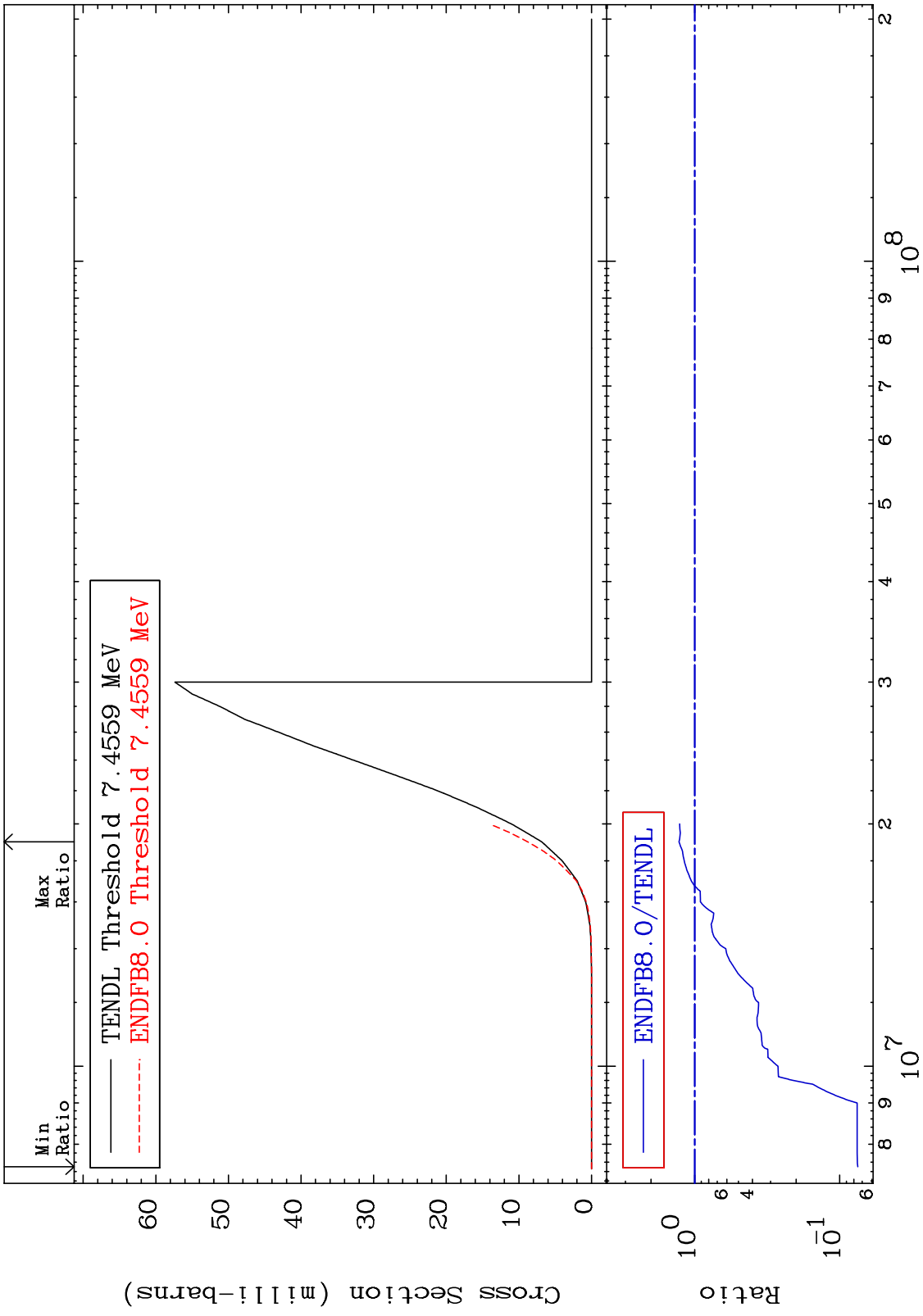
5 72-Hf-179

MAT 7240 $(n, n') \alpha$ Cross Section 72-Hf-179
 -95.81 To -20.10%



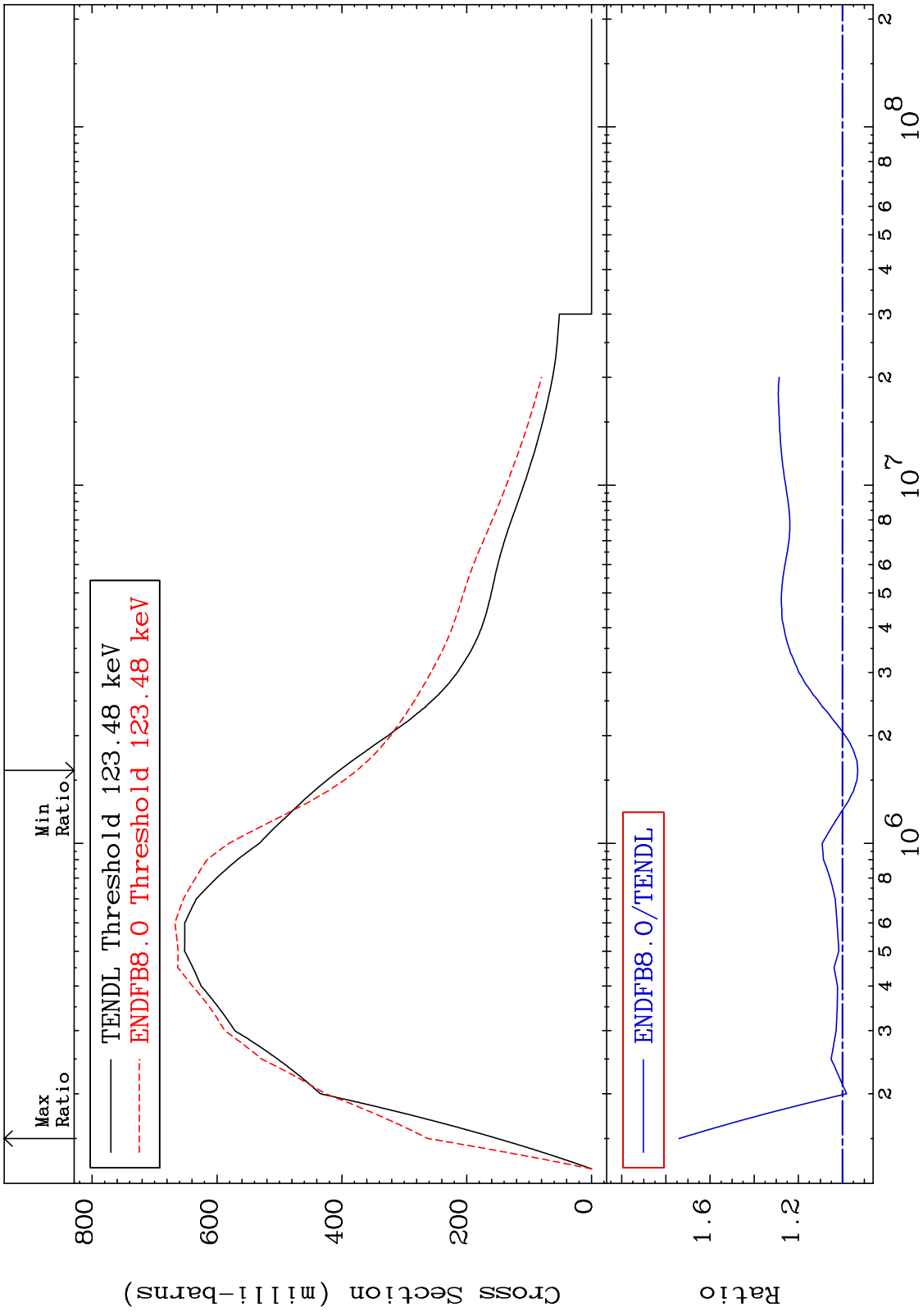
6 Incident Energy (eV) 72-Hf-179

MAT 7240 72-Hf-179
(n,n') p
Cross Section
-92.50 To 28.12 %

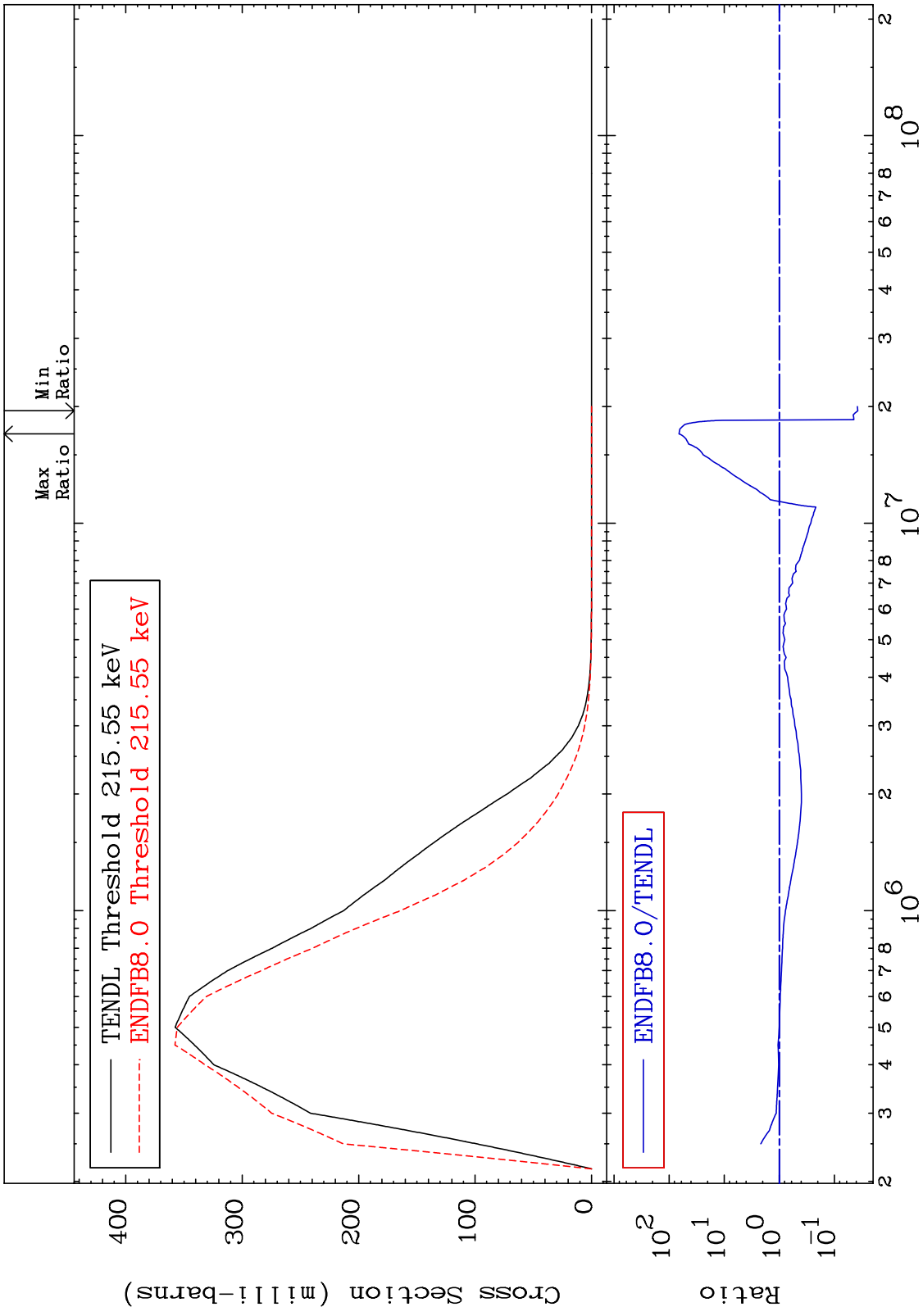


7 72-Hf-179
Incident Energy (eV)

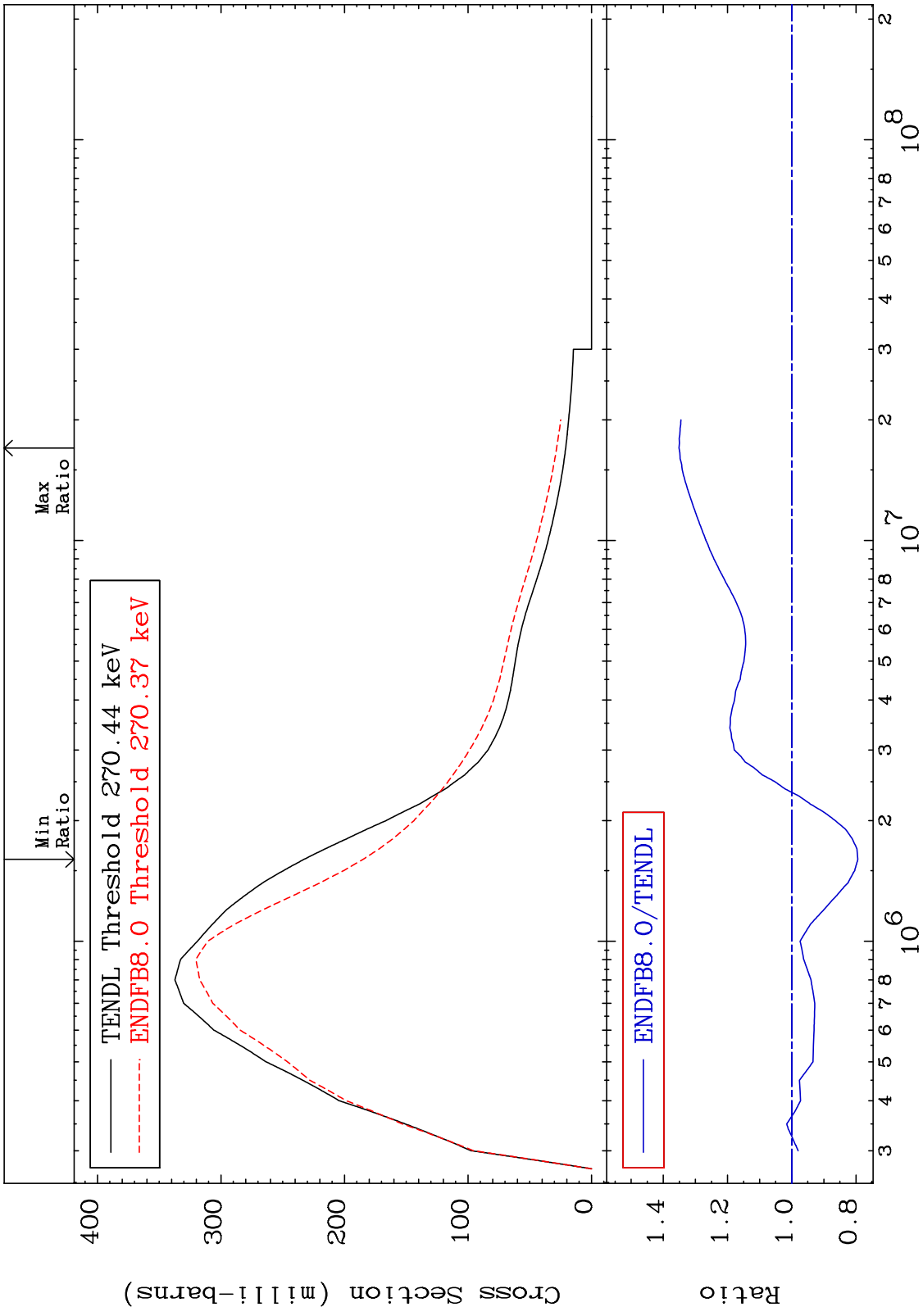
MAT 7240 MT= 51 (n,n') Level Cross Section 72-Hf-179 -7.001 To 74.04 %



MAT 7240 MT= 52 (n,n') Level Cross Section 72-Hf-179 -96.26 To 6499. %

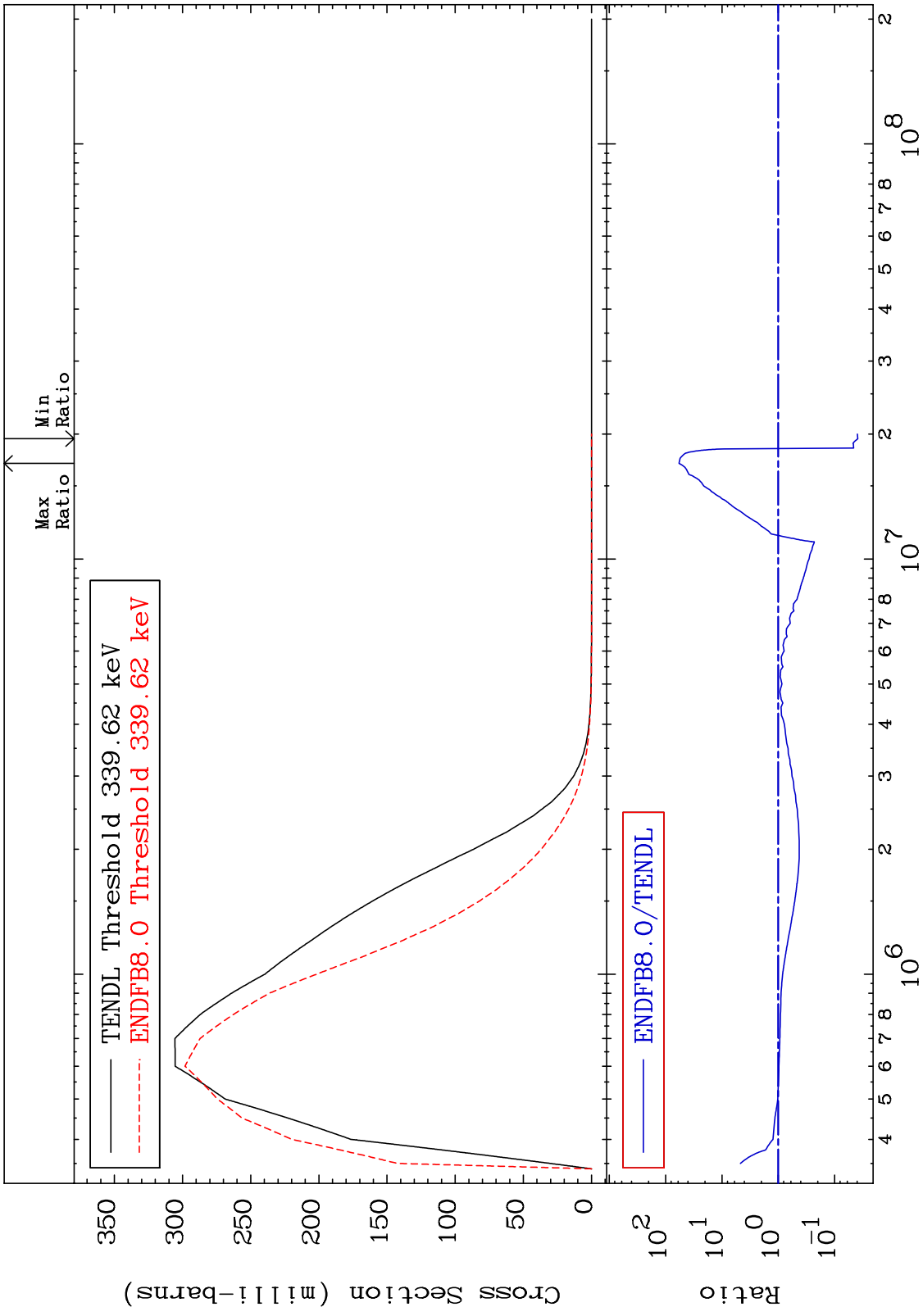


MAT 7240 MT= 53 (n,n') Level Cross Section 72-Hf-179
 -20.57 To 35.09 %

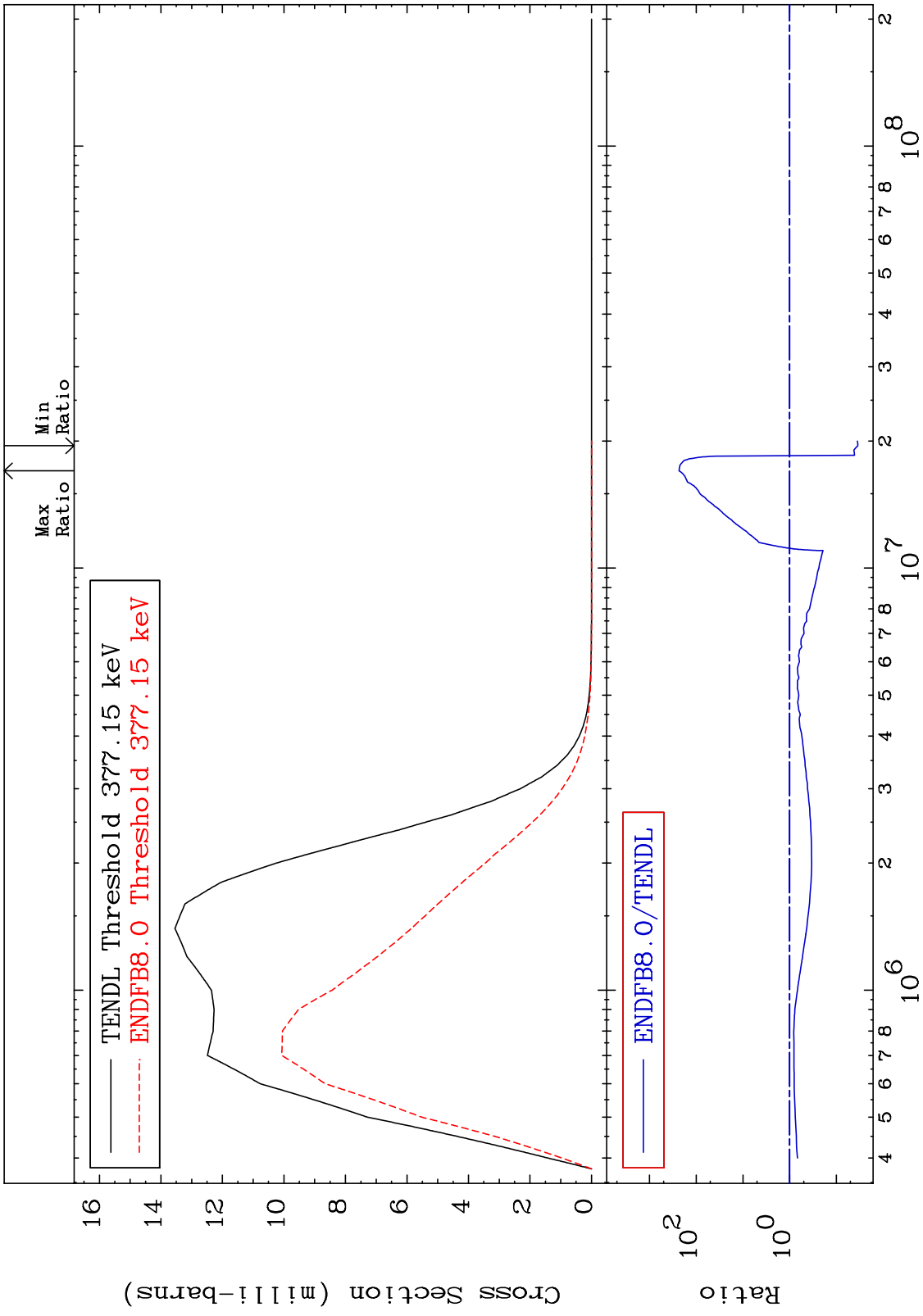


10 Incident Energy (eV) 72-Hf-179

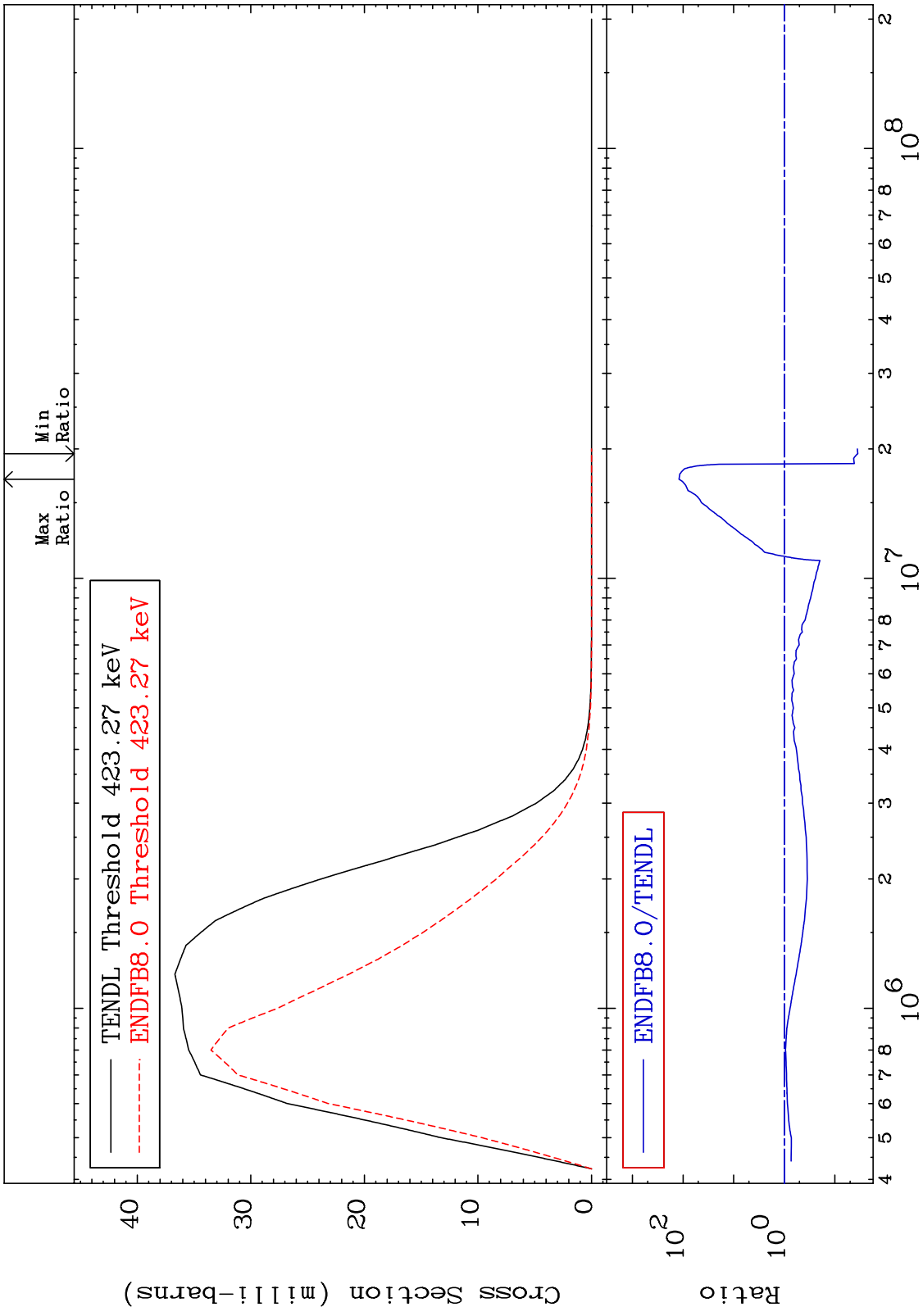
MAT 7240 MT= 54 (n,n') Level Cross Section 72-Hf-179 -96.11 To 5665. %



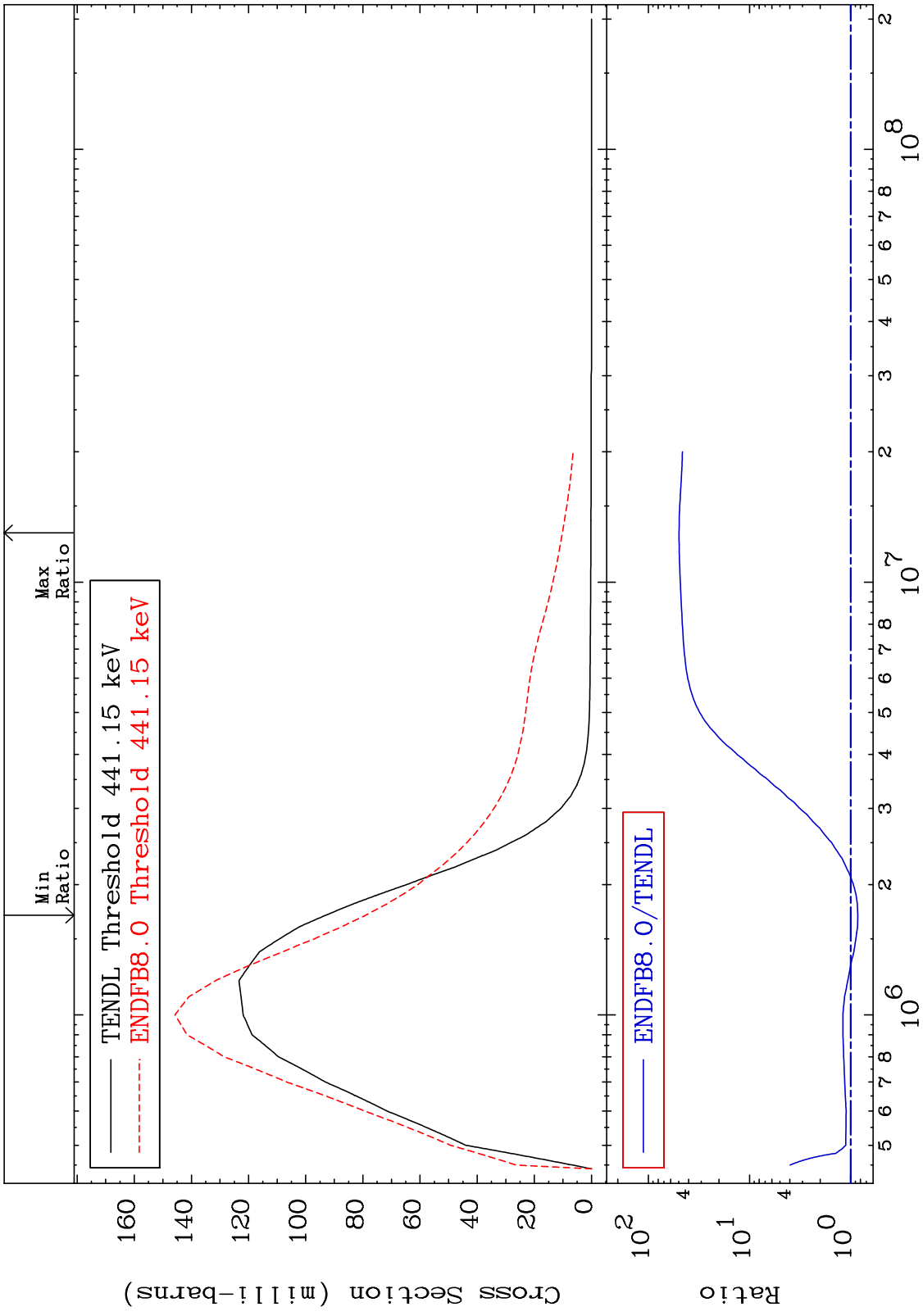
MAT 7240 MT= 55 (n,n') Level Cross Section 72-Hf-179 -96.53 To 9999. %



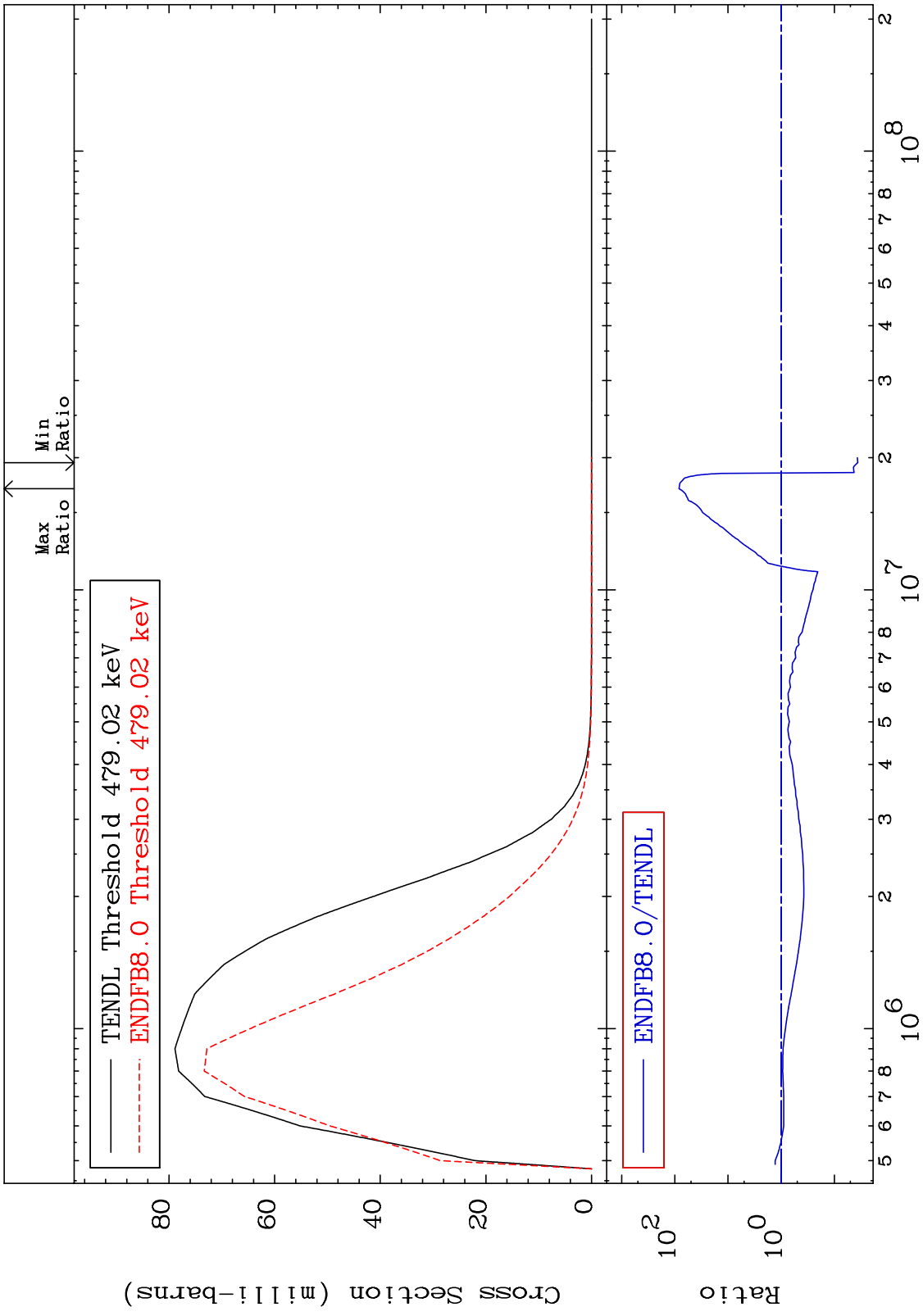
MAT 7240 MT= 56 (n,n') Level Cross Section 72-Hf-179
 -96.48 To 9999. %



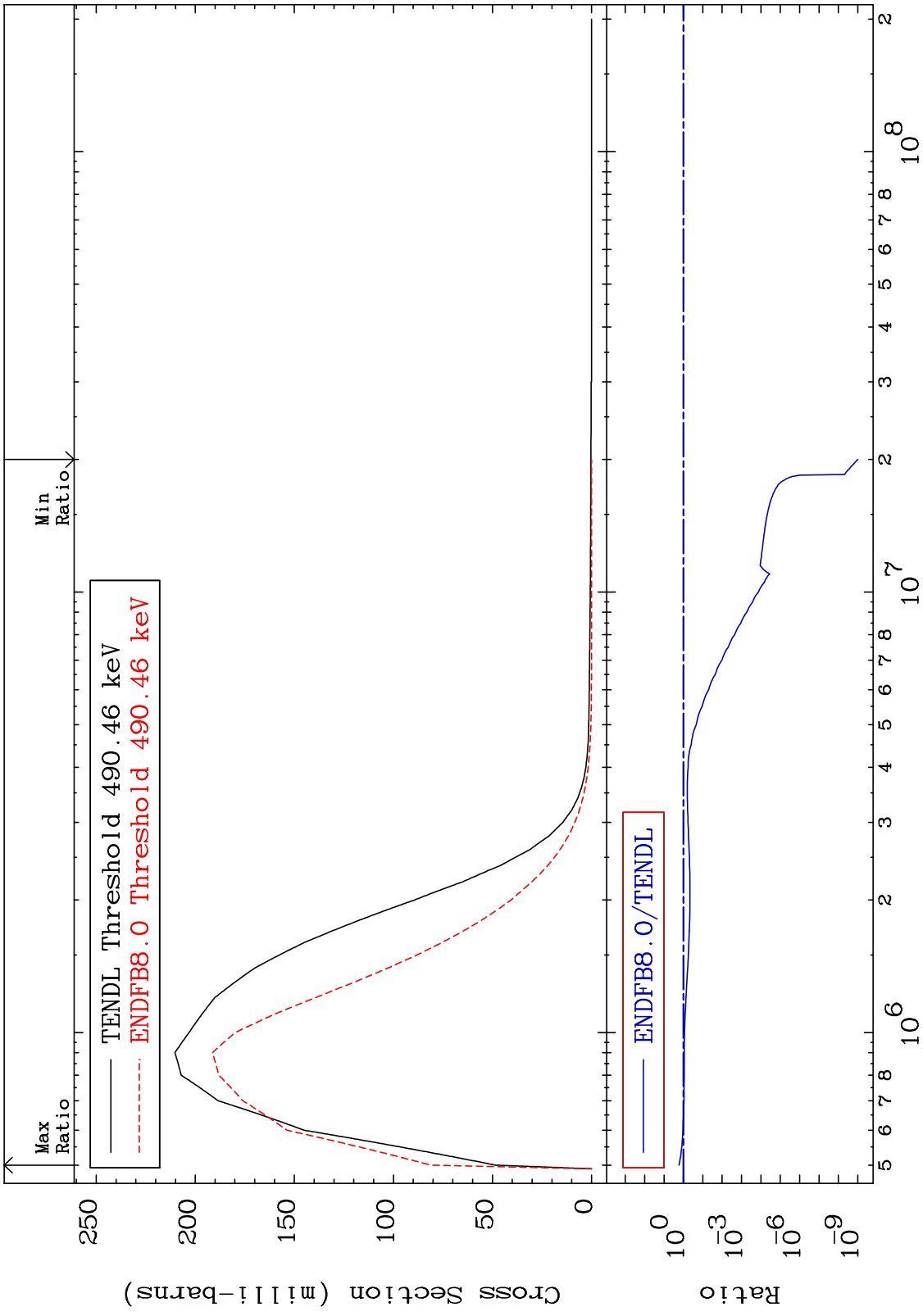
MAT 7240 MT= 57 (n,n') Level Cross Section 72-Hf-179
 -15.03 To 4869. %



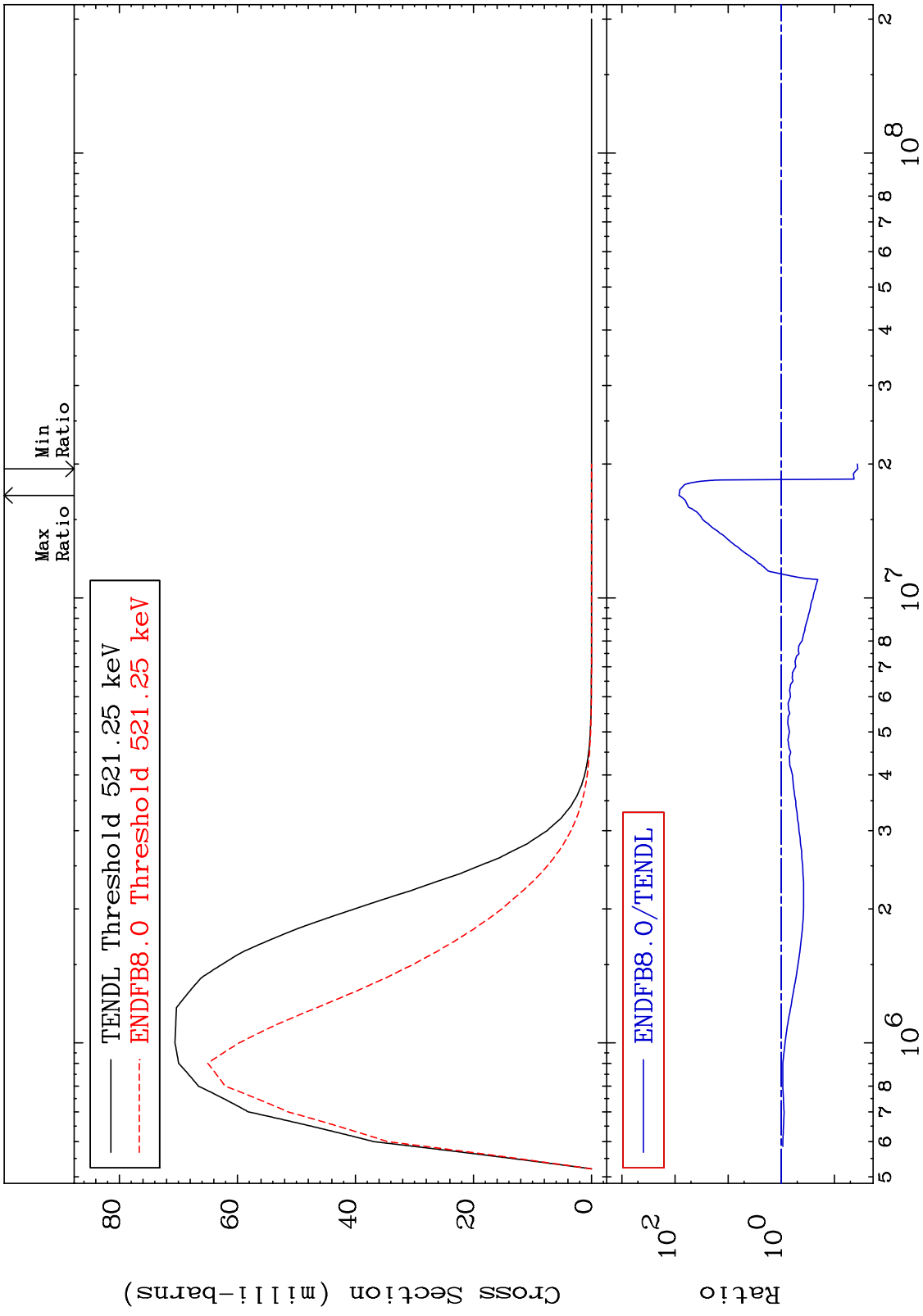
MAT 7240 MT= 58 (n,n') Level Cross Section 72-Hf-179
 -96.39 To 8264. %



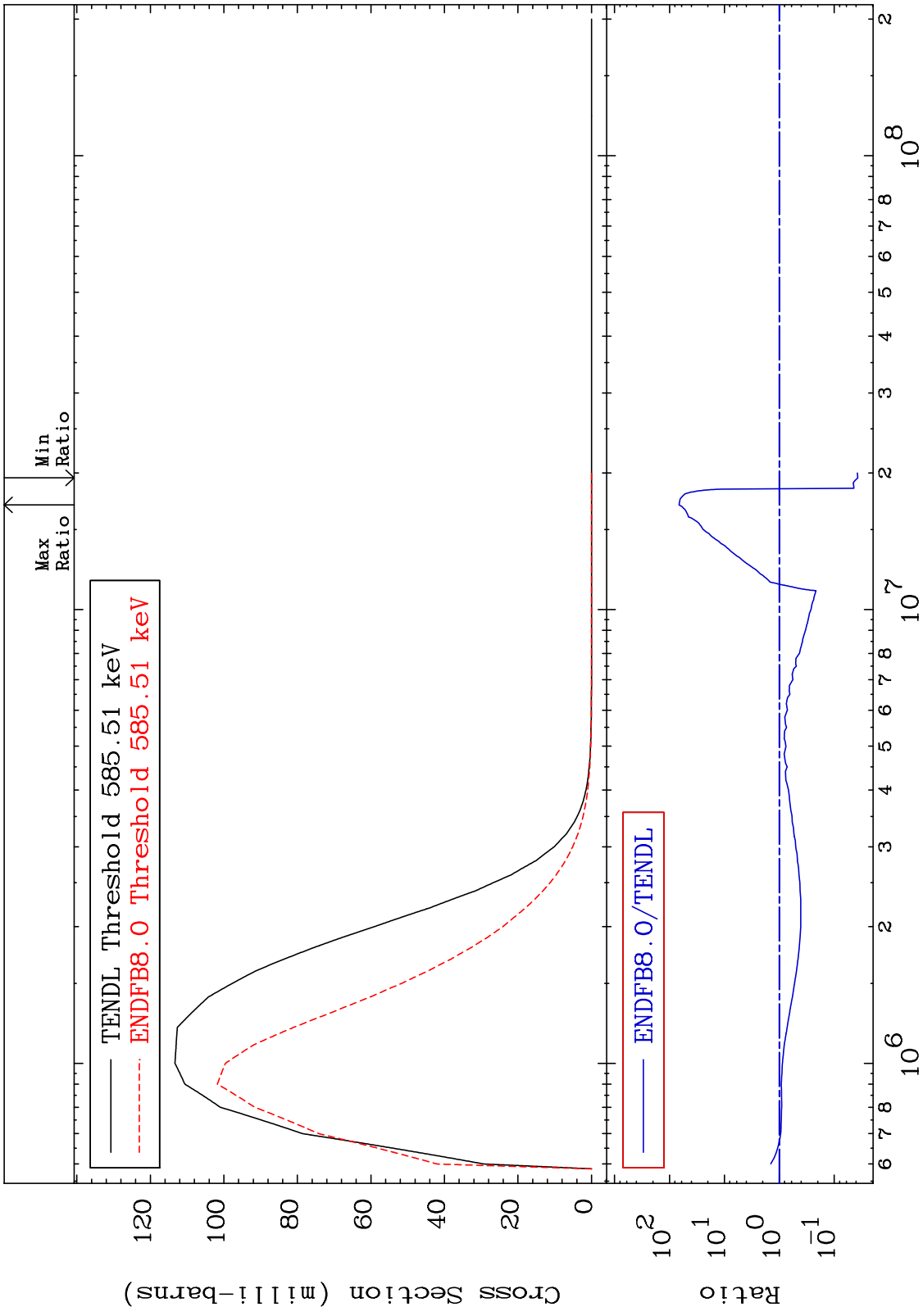
MAT 7240 MT= 59 (n,n') Level Cross Section 72-Hf-179
 -100.0 To 67.45 %



MAT 7240 MT= 60 (n,n') Level Cross Section 72-Hf-179
 -96.40 To 8278. %

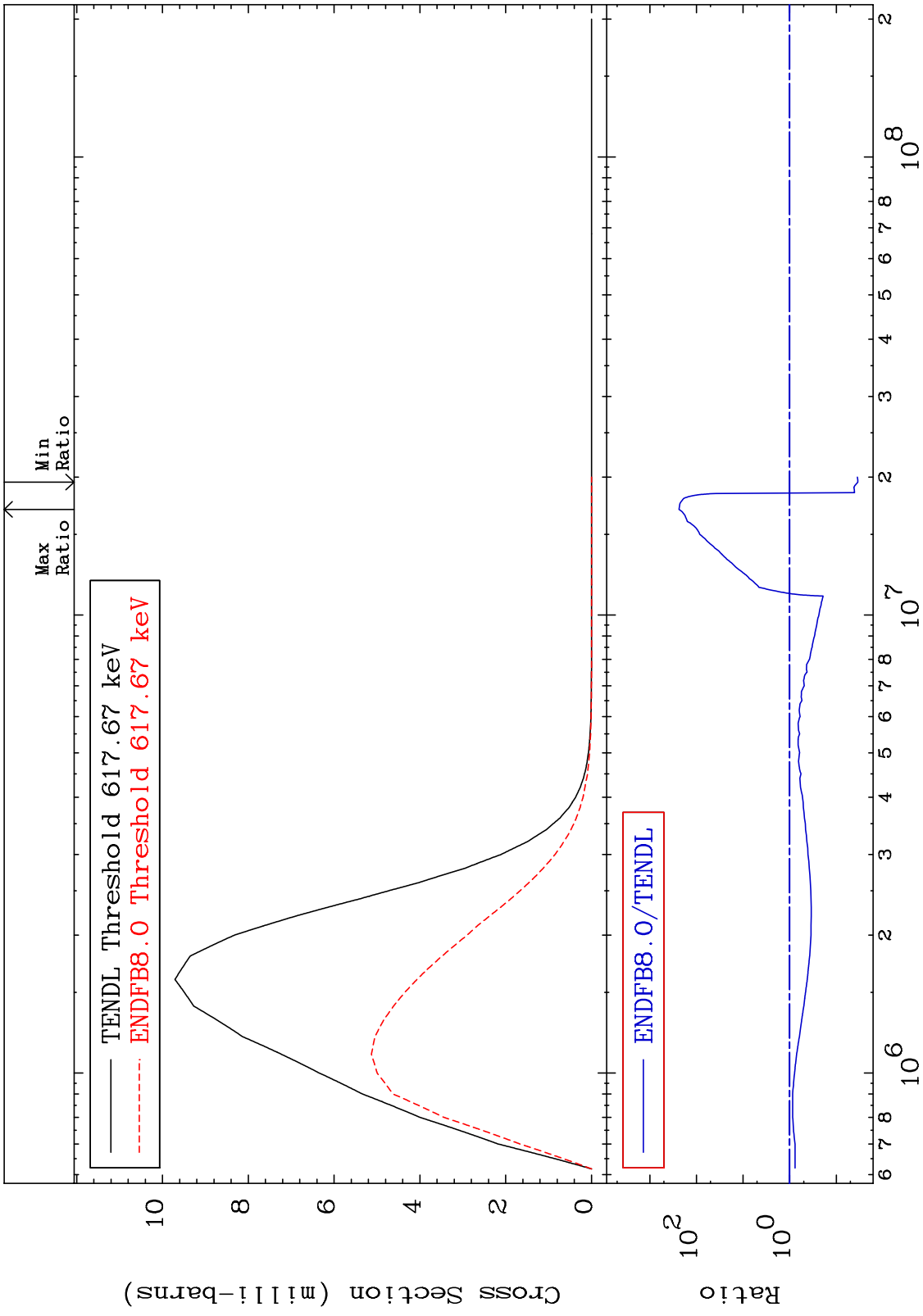


MAT 7240 MT= 61 (n,n') Level Cross Section 72-Hf-179 -96.28 To 6599. %

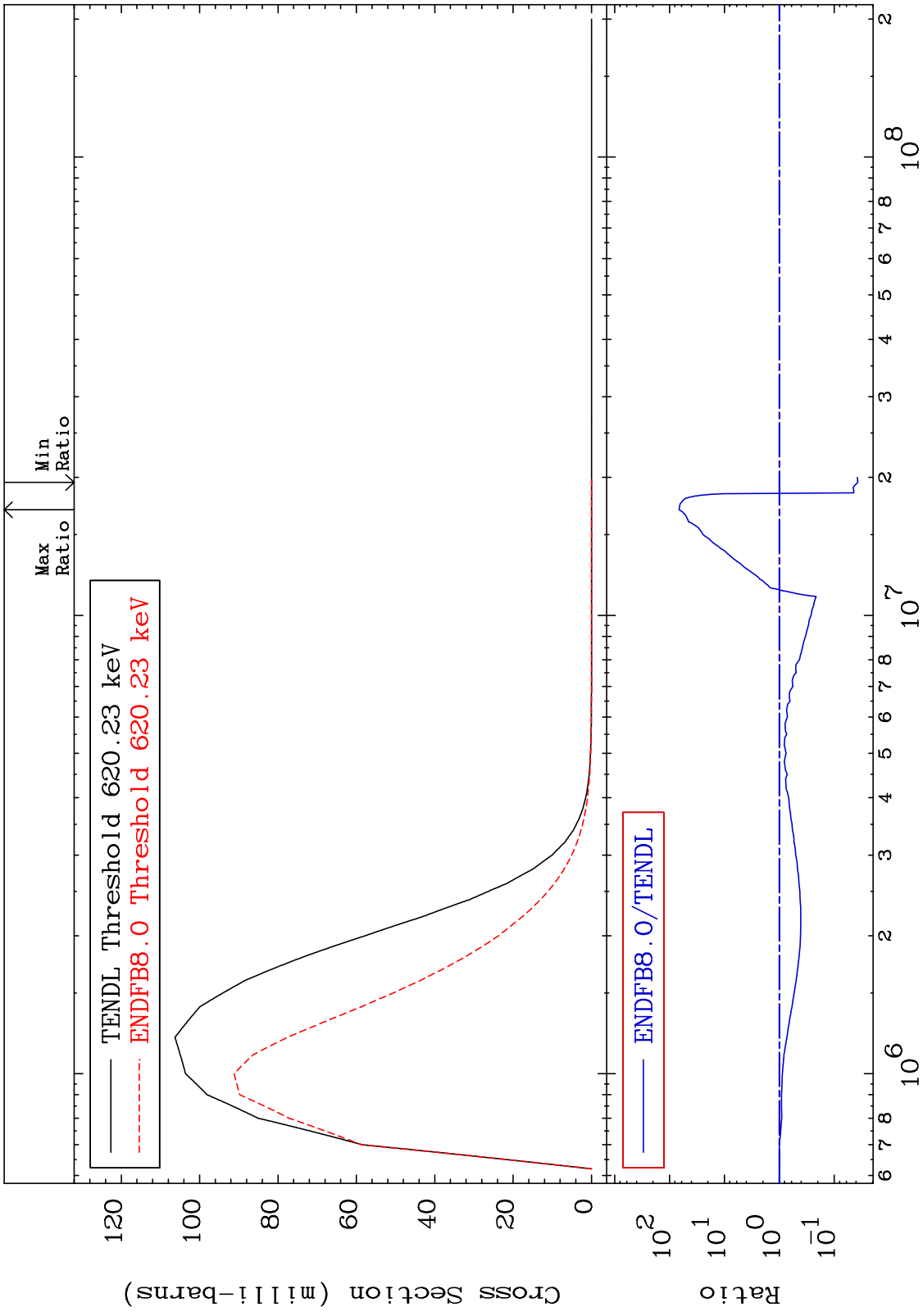


18 Incident Energy (eV) 72-Hf-179

MAT 7240 MT= 62 (n,n') Level Cross Section 72-Hf-179
 -96.54 To 9999. %

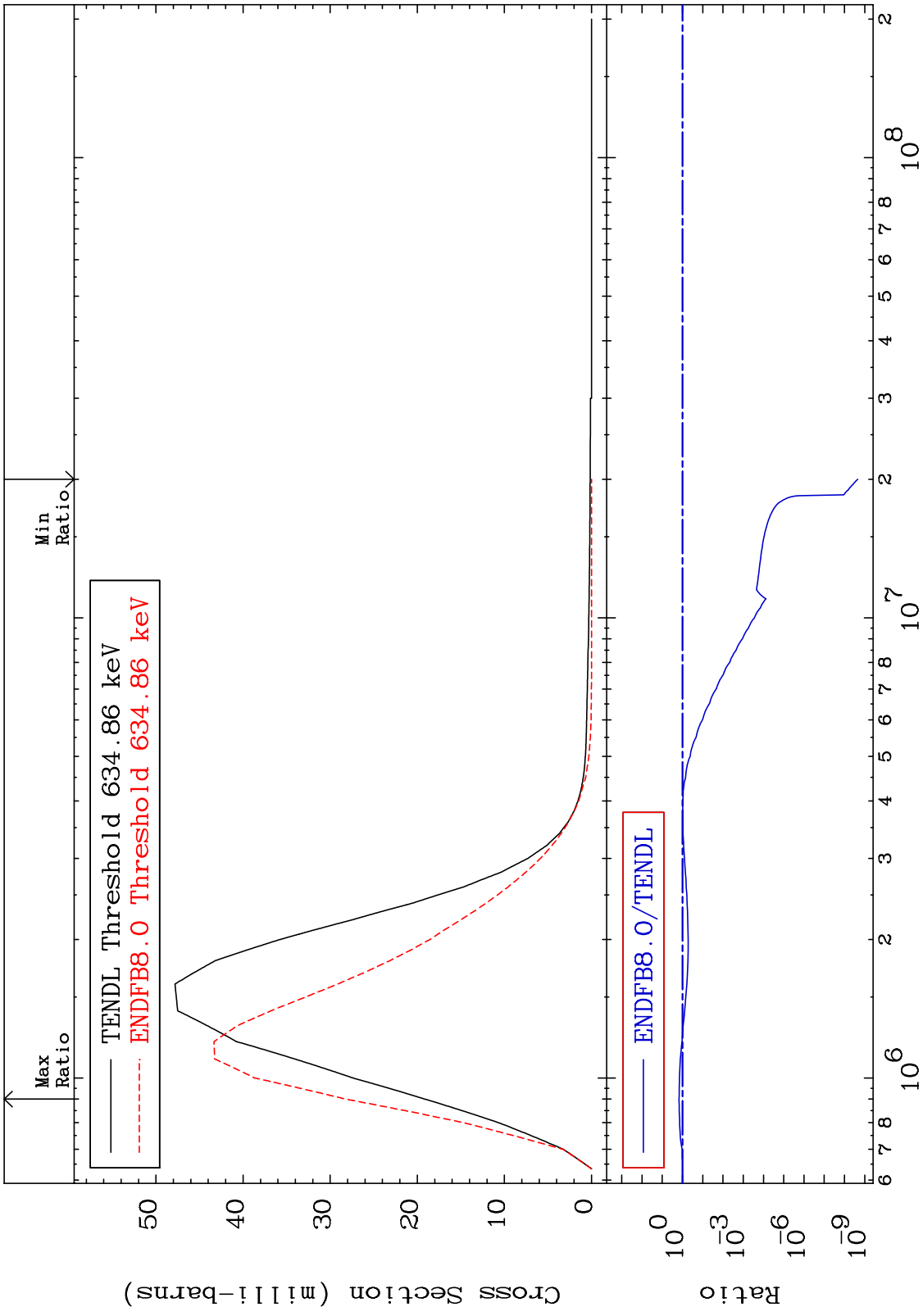


MAT 7240 MT= 63 (n,n') Level Cross Section 72-Hf-179 -96.28 To 6608. %

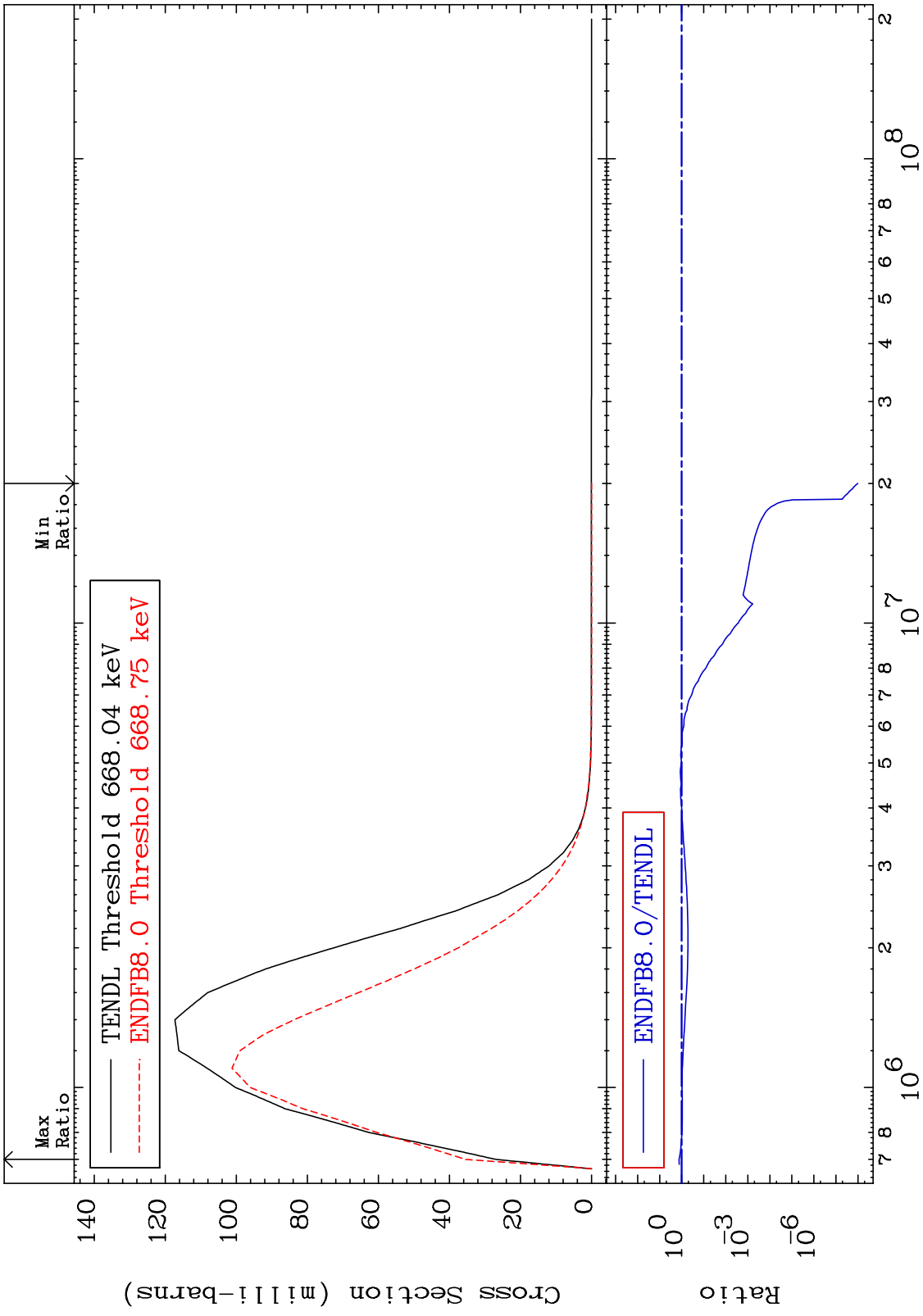


20 Incident Energy (eV) 72-Hf-179

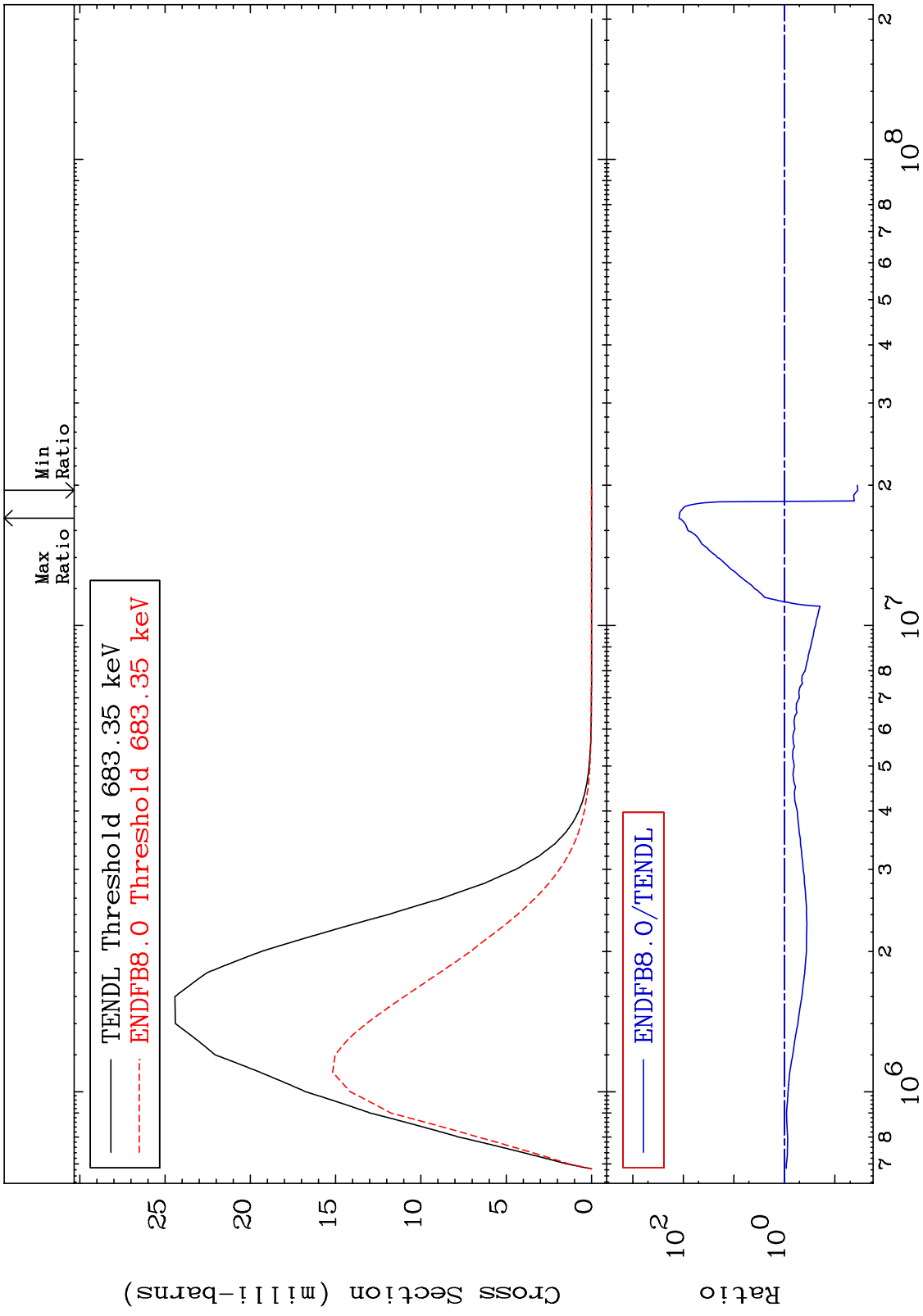
MAT 7240 MT= 64 (n,n') Level Cross Section 72-Hf-179
 -100.0 To 47.58 %



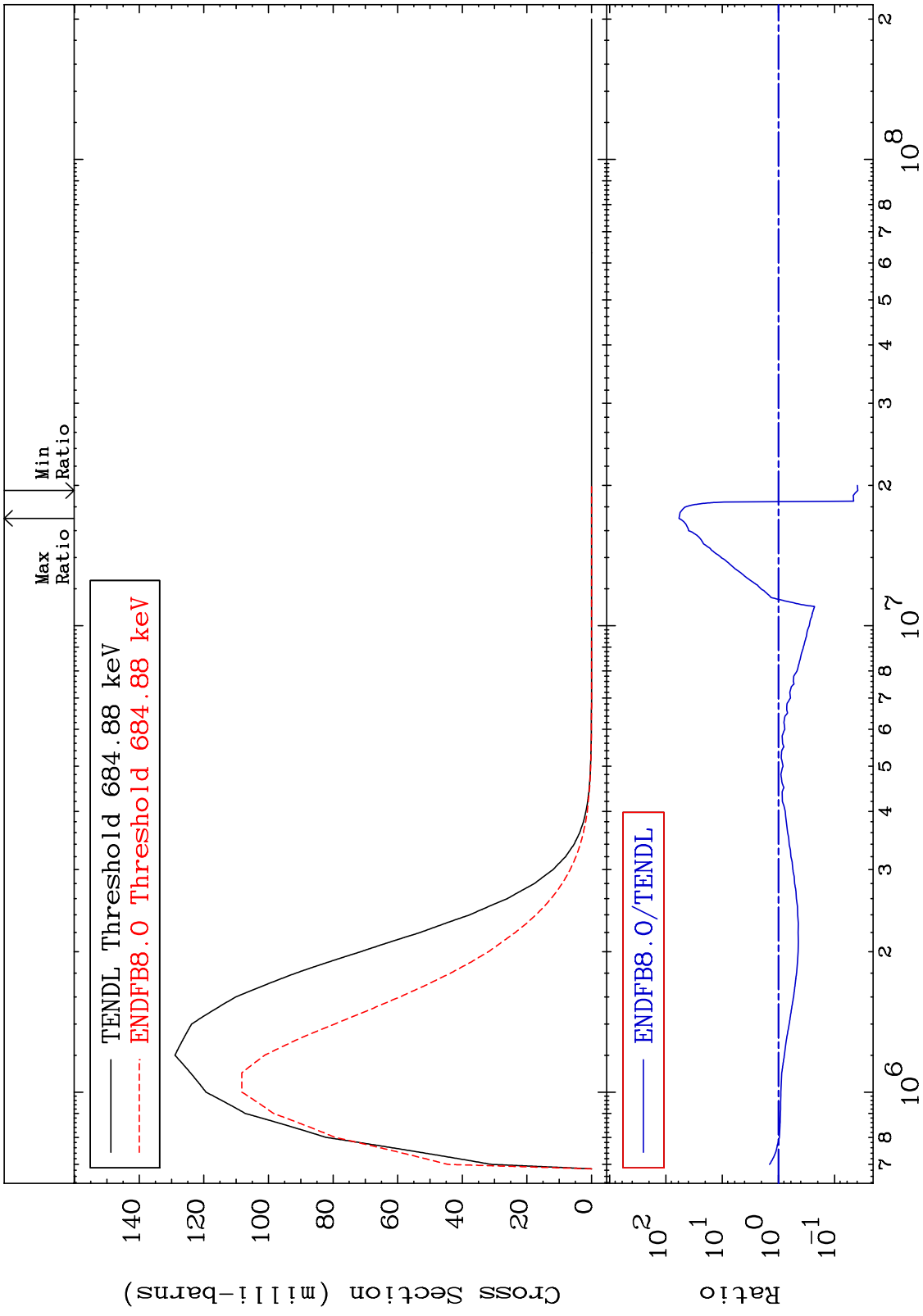
MAT 7240 MT= 65 (n,n') Level Cross Section 72-Hf-179
 -100.0 To 31.74 %



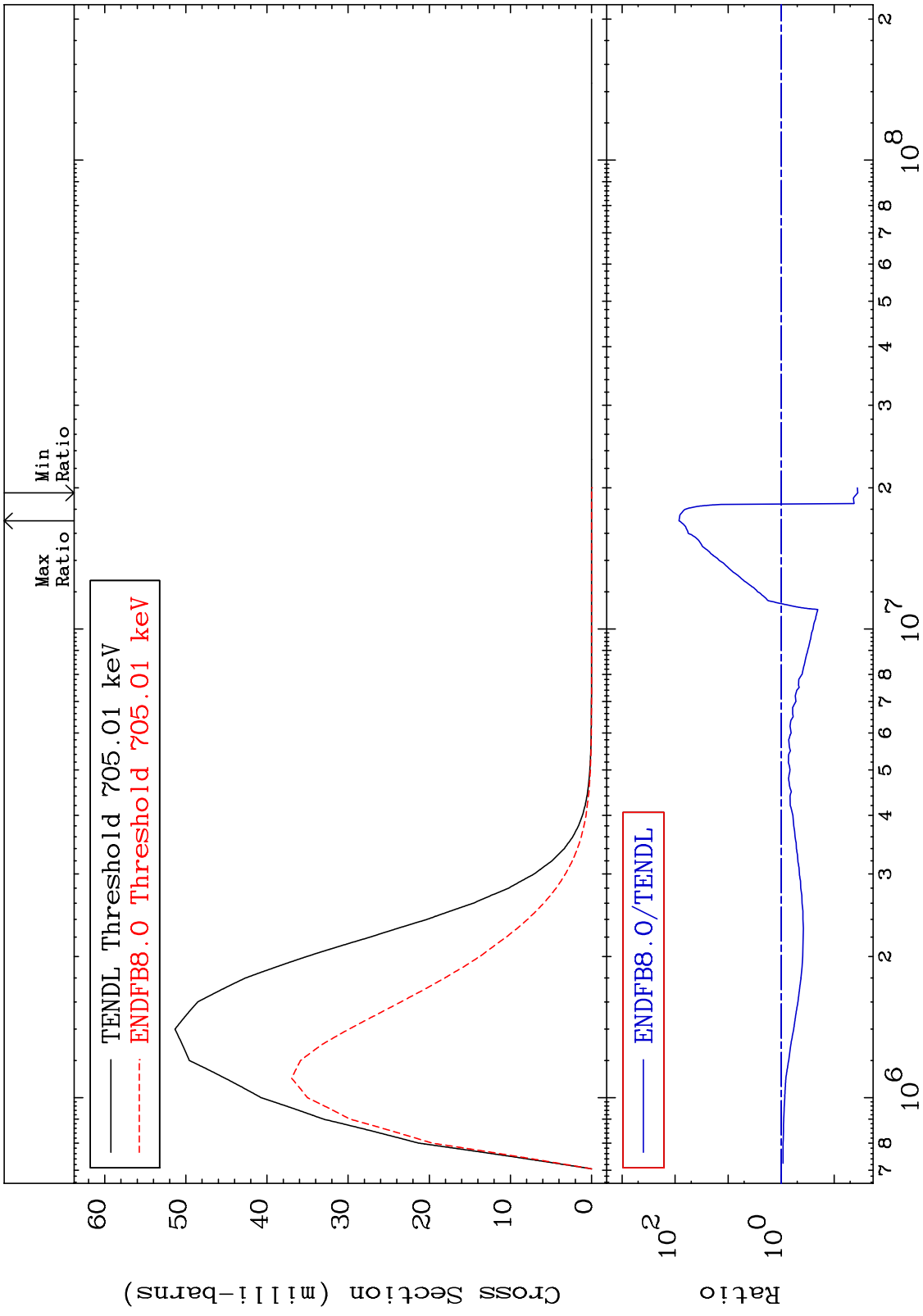
MAT 7240 MT= 66 (n,n') Level Cross Section 72-Hf-179
 -96.49 To 9999. %



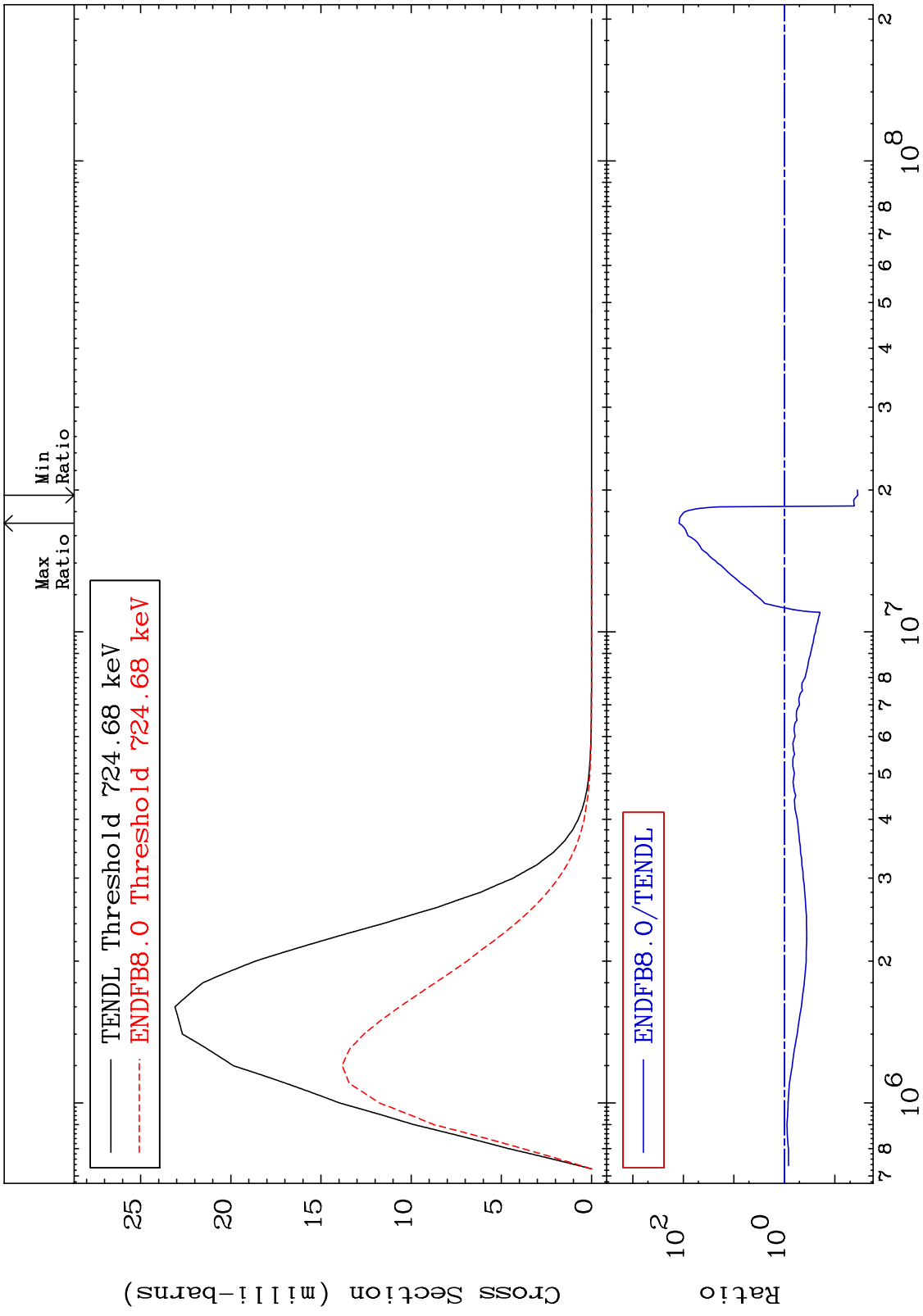
MAT 7240 MT= 67 (n, n') Level Cross Section 72-Hf-179 -96.13 To 5749. %



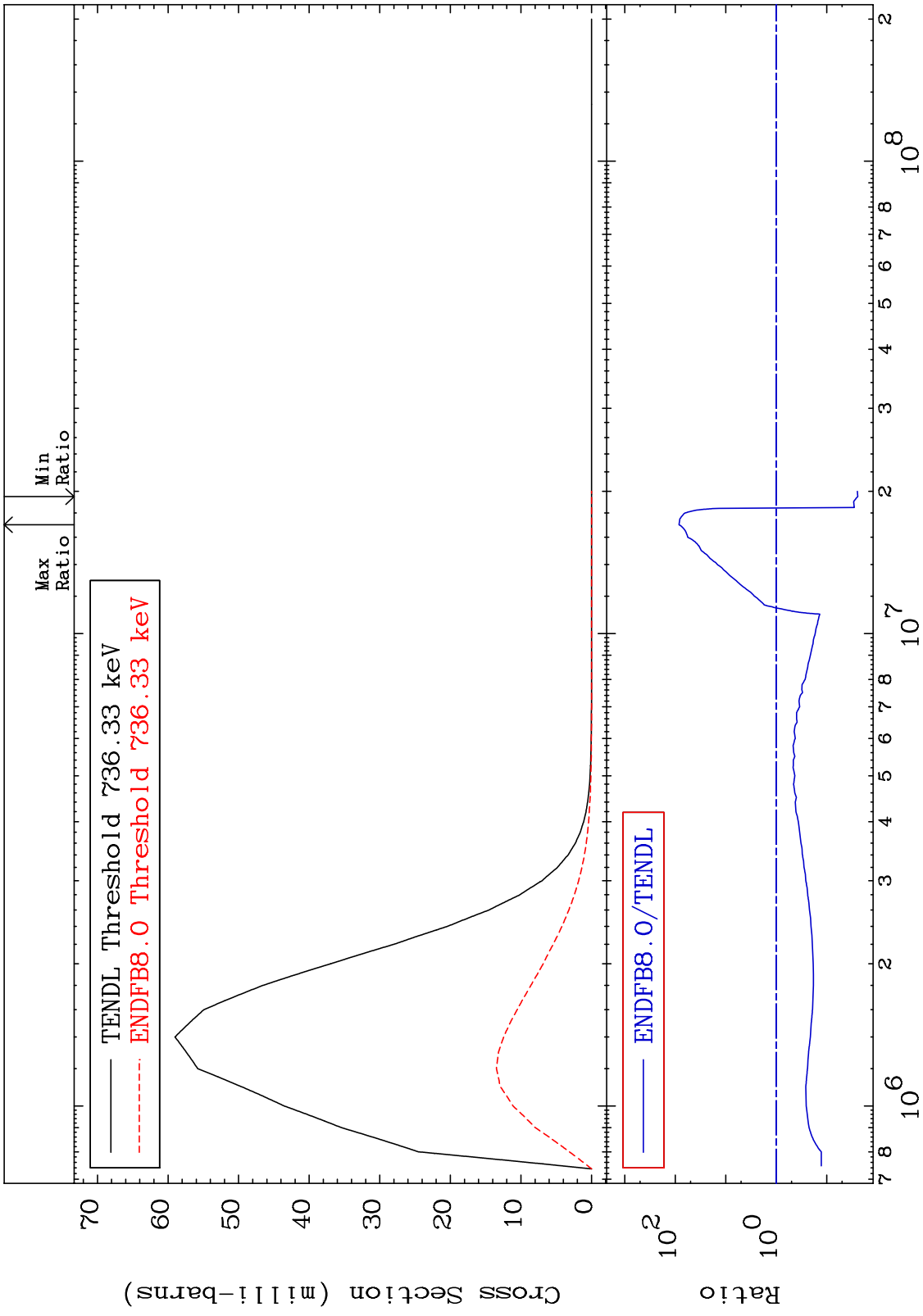
MAT 7240 MT= 68 (n,n') Level Cross Section 72-Hf-179 -96.41 To 8342. %



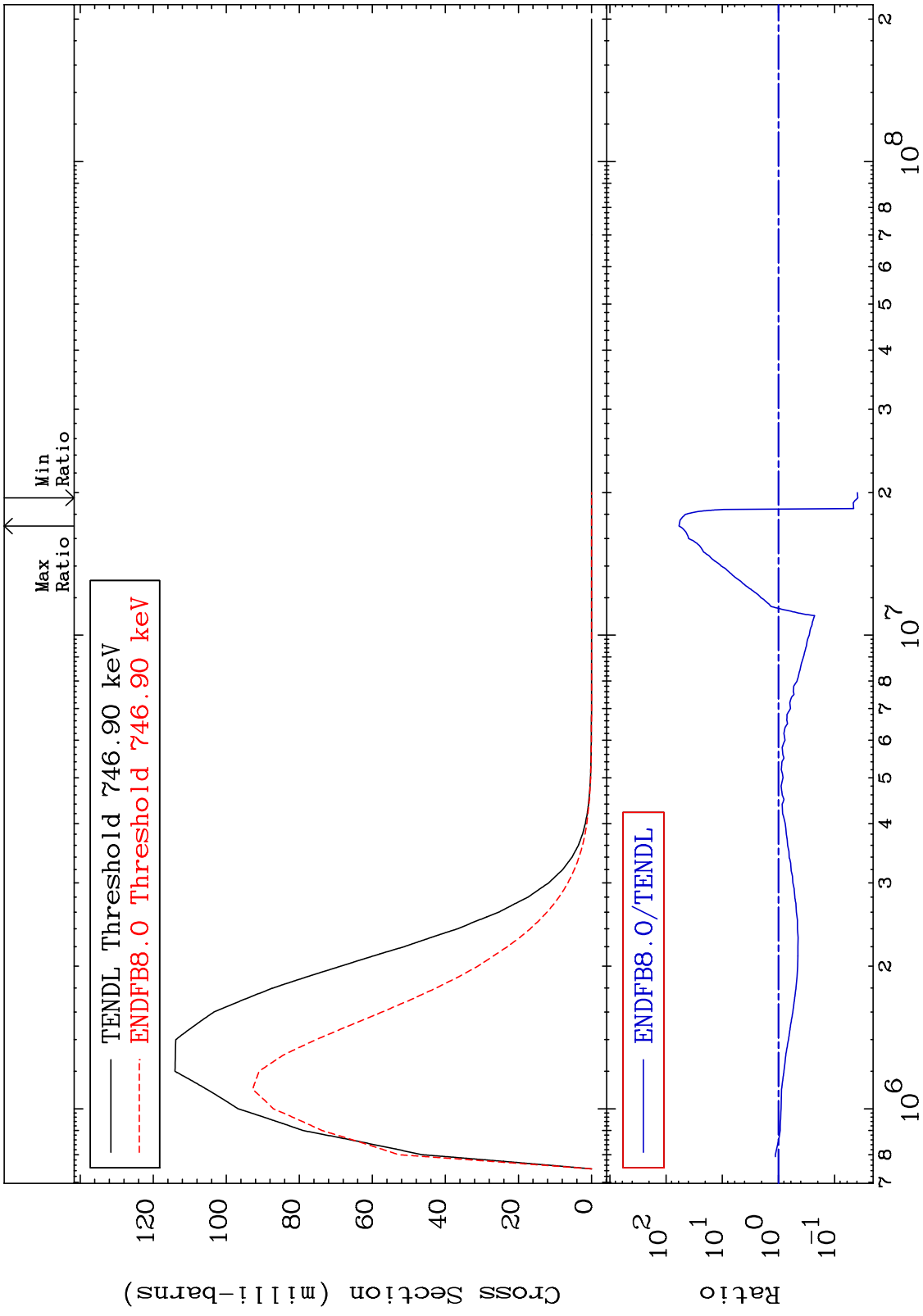
MAT 7240 MT= 69 (n,n') Level Cross Section 72-Hf-179 -96.50 To 9999. %



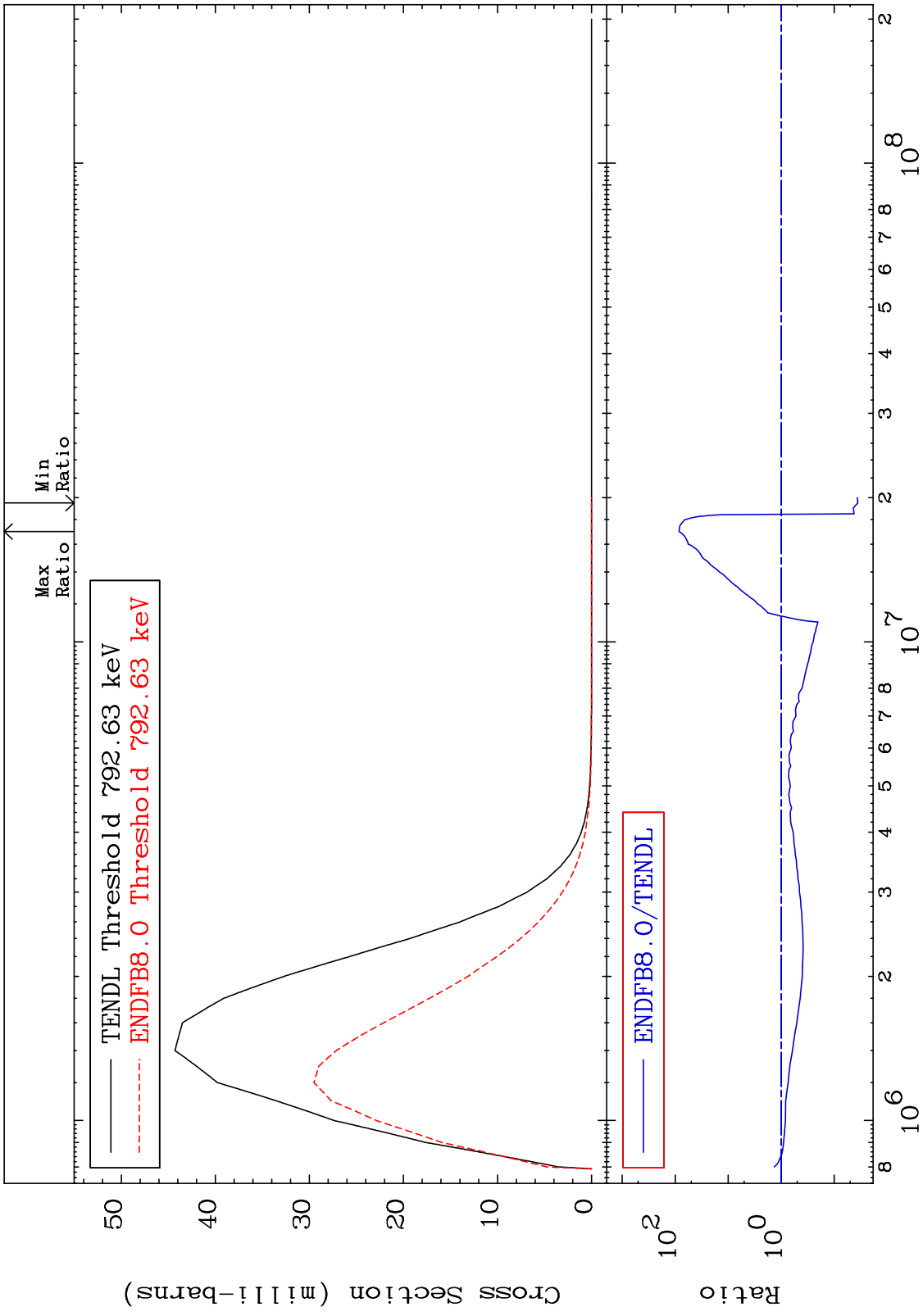
MAT 7240 MT= 70 (n,n') Level Cross Section 72-Hf-179 -97.57 To 8343. %



MAT 7240 MT= 71 (n,n') Level Cross Section 72-Hf-179 -96.13 To 5765. %

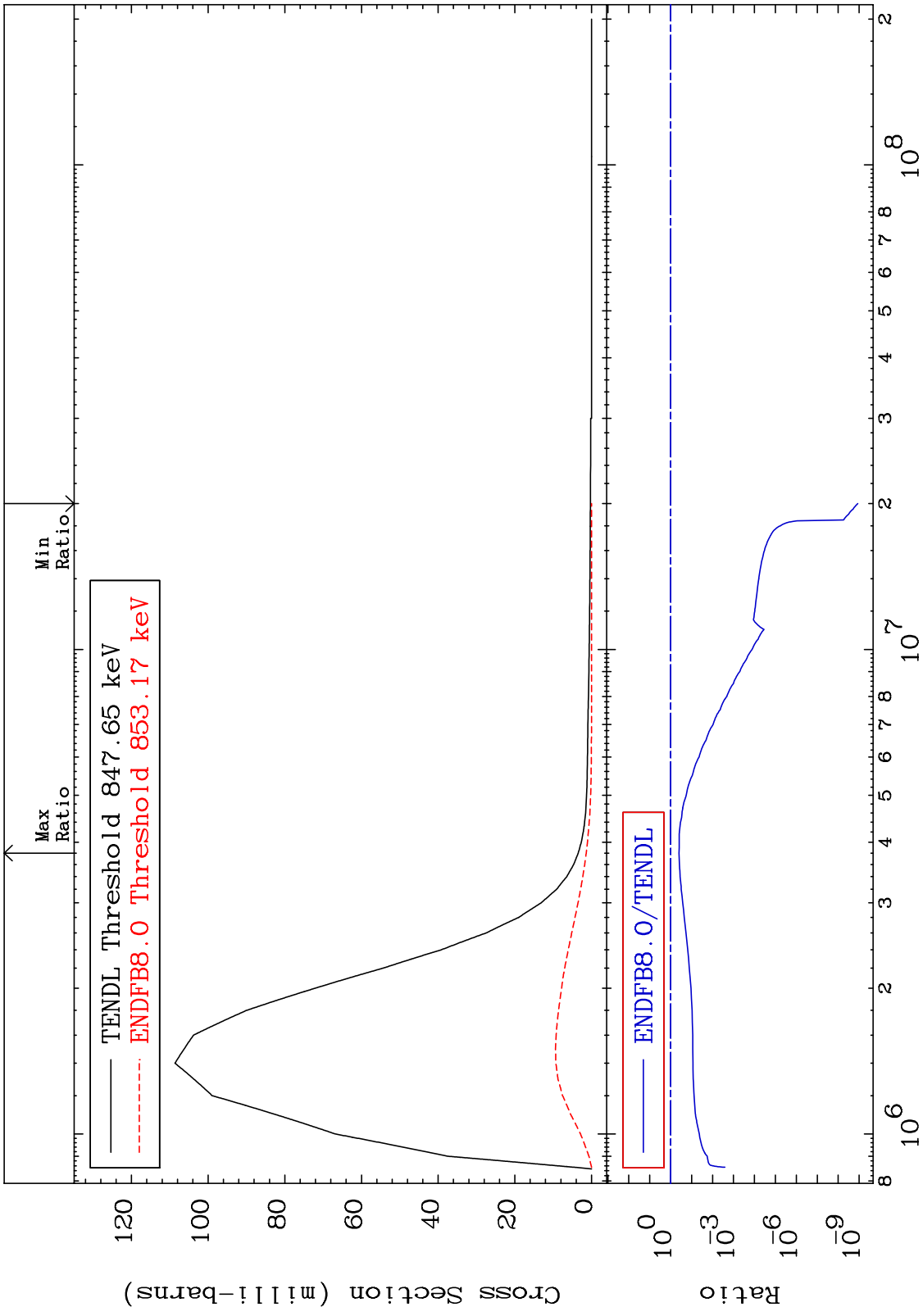


MAT 7240 MT= 72 (n,n') Level Cross Section 72-Hf-179 -96.41 To 8373. %



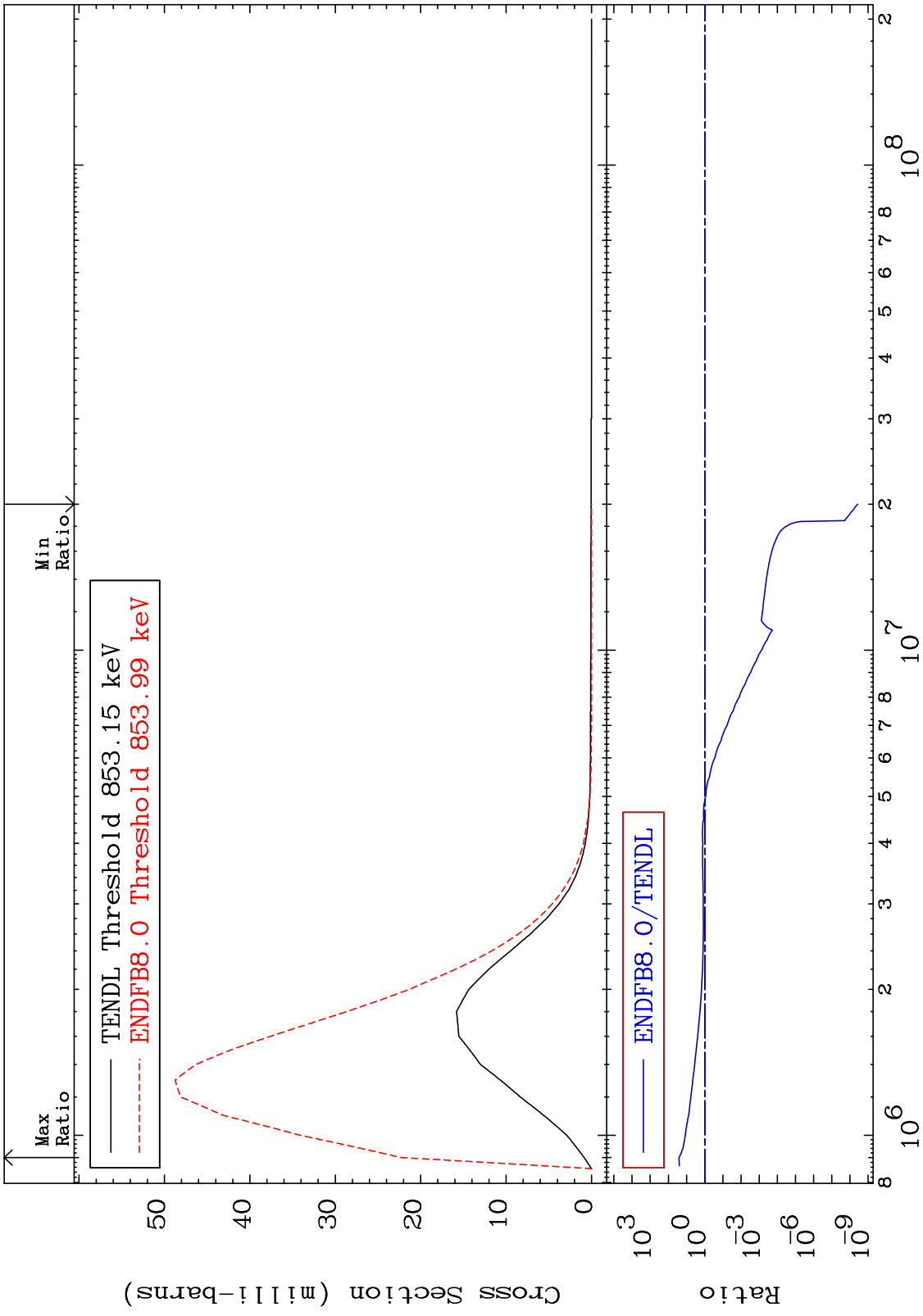
29 Incident Energy (eV) 72-Hf-179

MAT 7240 MT= 73 (n,n') Level Cross Section 72-Hf-179
 -100.0 To -60.21%

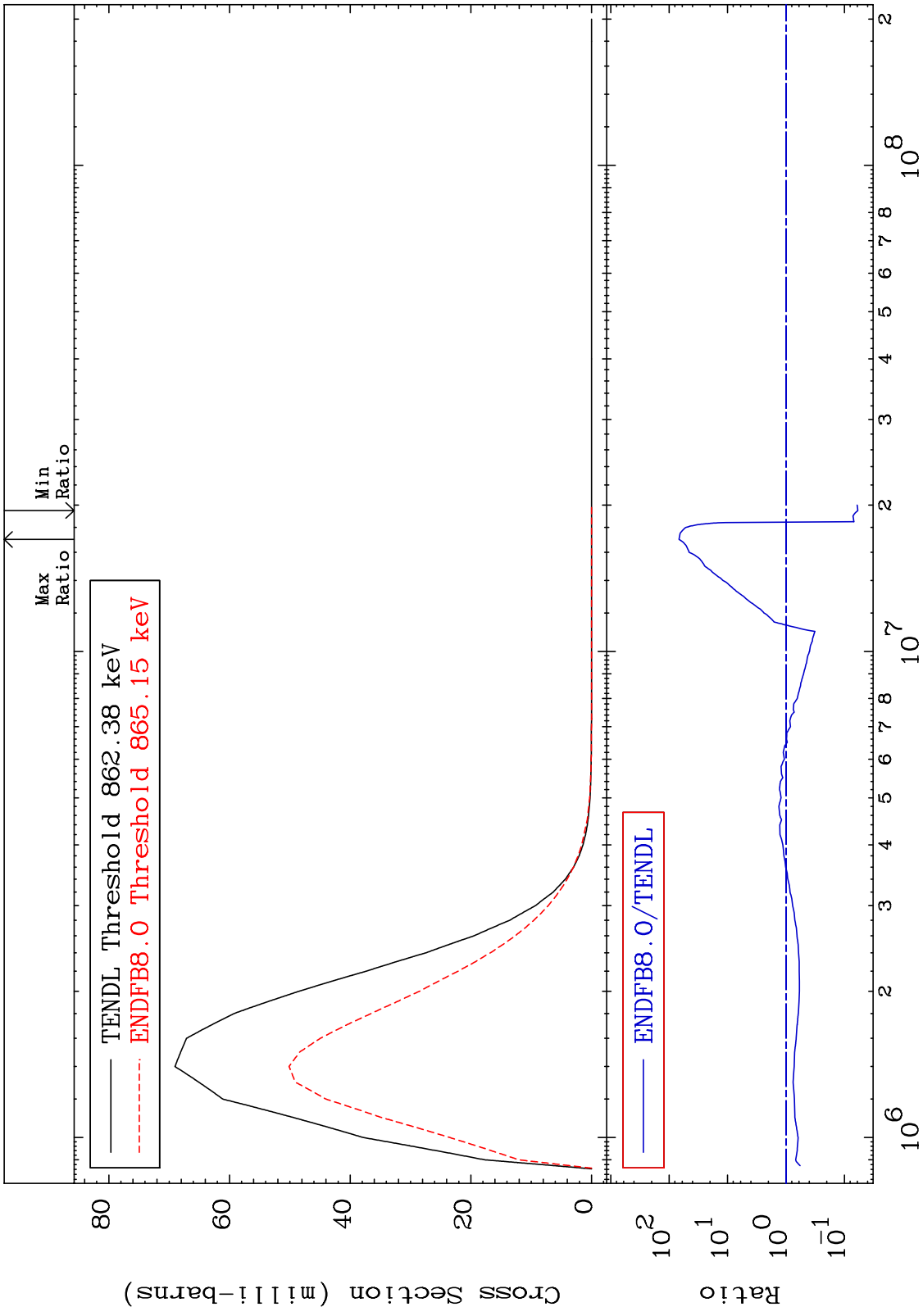


30 Incident Energy (eV) 72-Hf-179

MAT 7240 MT= 74 (n,n') Level Cross Section 72-Hf-179
 -100.0 To 2488. %

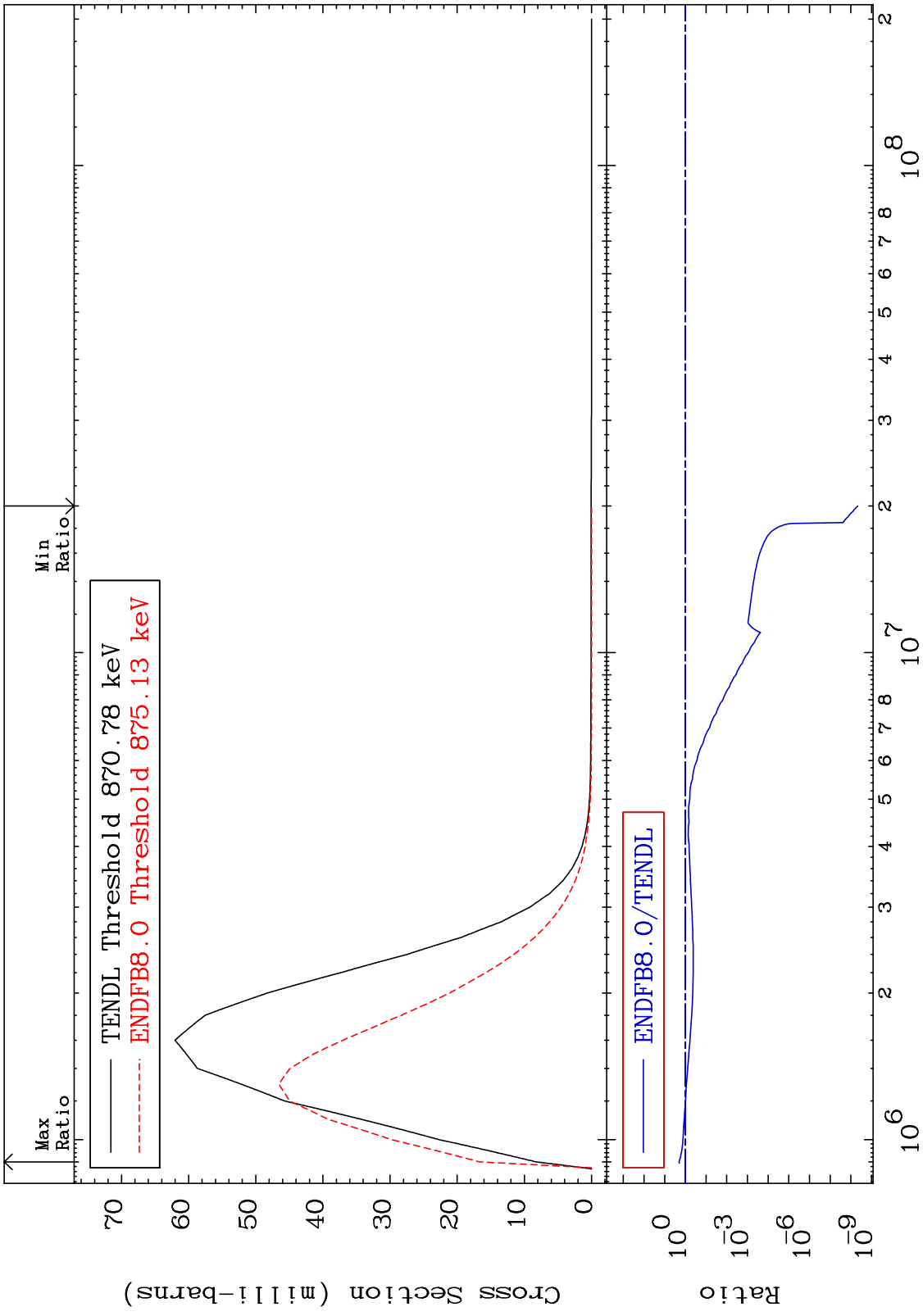


MAT 7240 MT= 75 (n,n') Level Cross Section 72-Hf-179 -94.11 To 6682. %

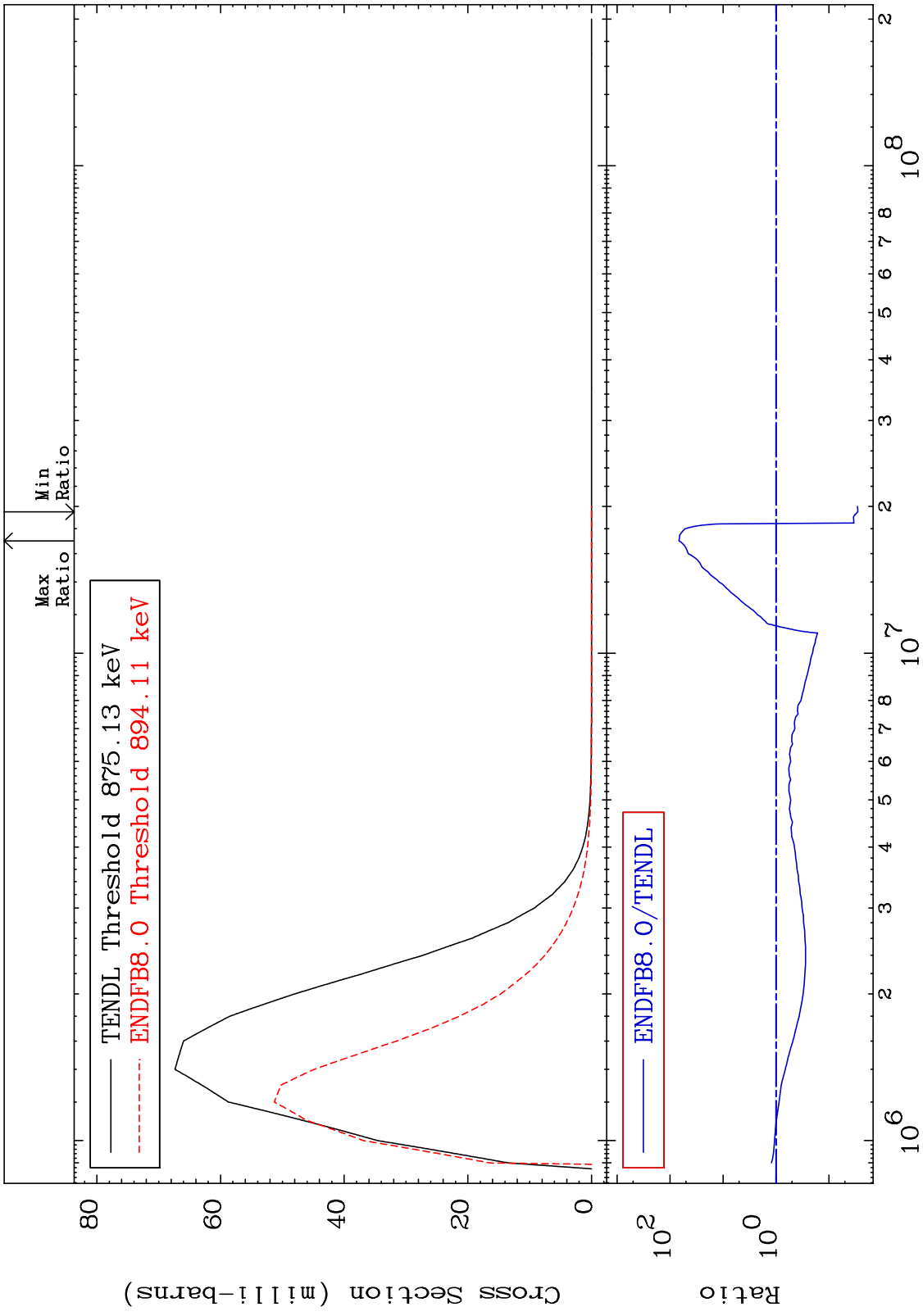


32 Incident Energy (eV) 72-Hf-179

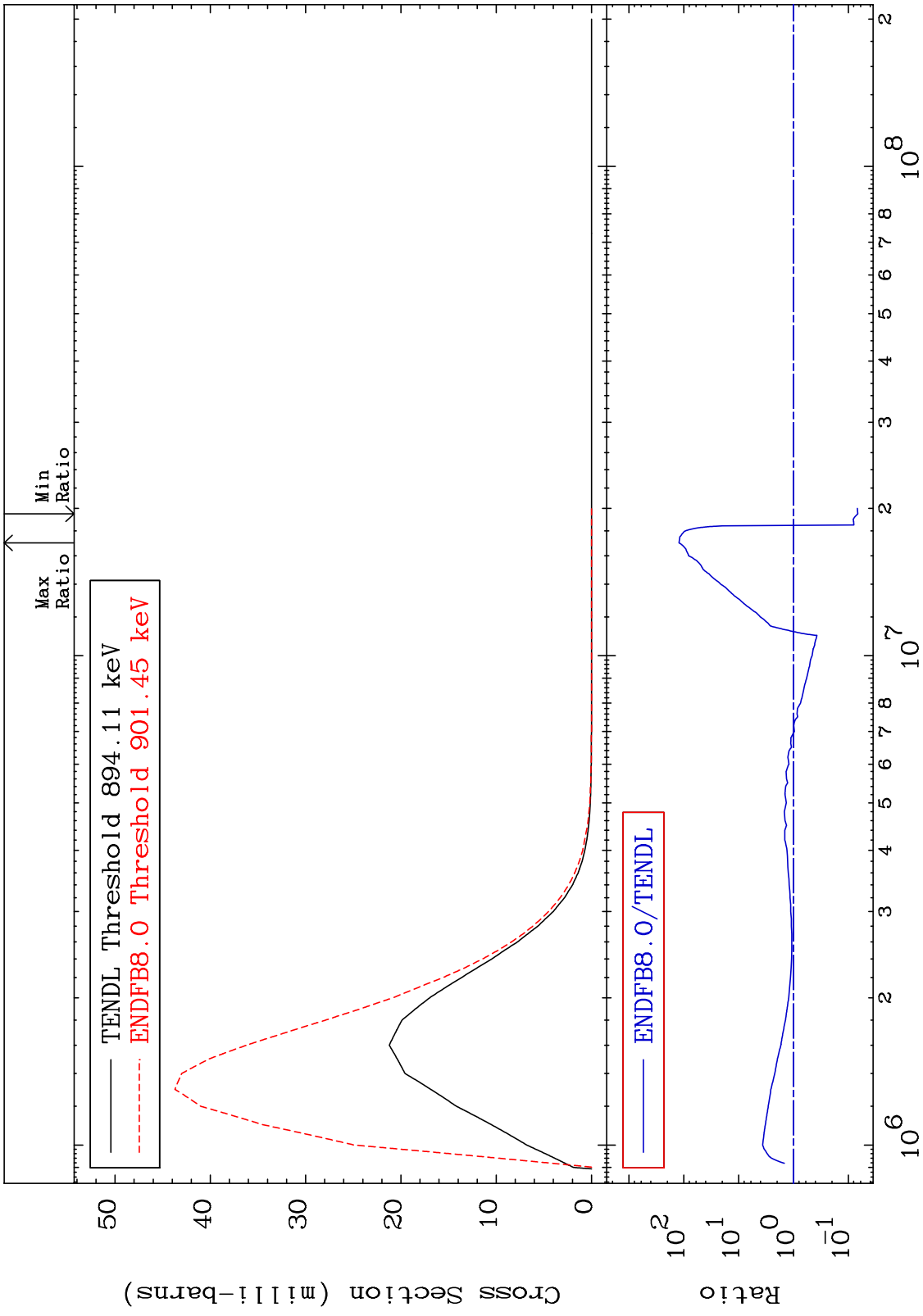
MAT 7240 MT= 76 (n,n') Level Cross Section 72-Hf-179
 -100.0 To 101.9 %



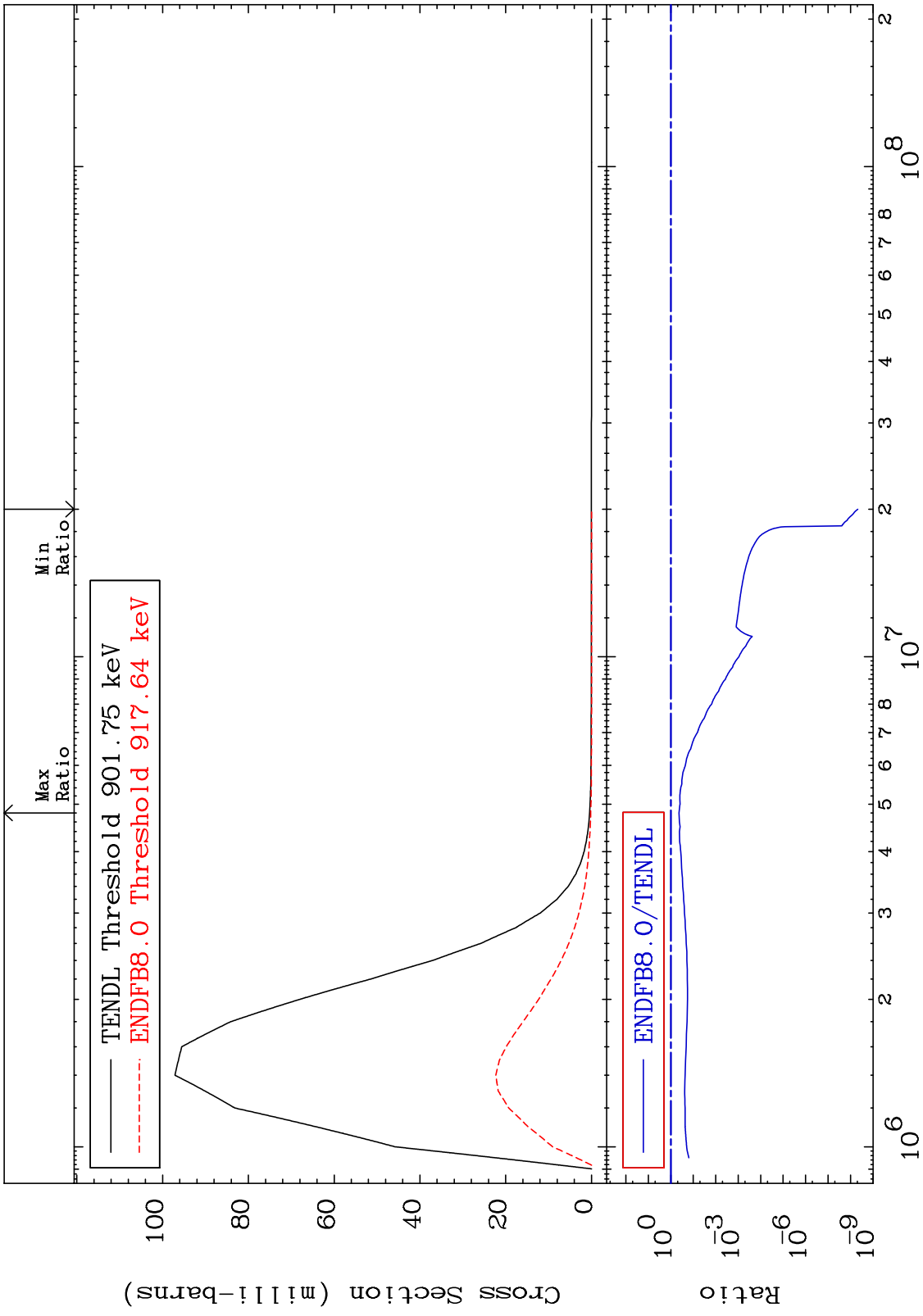
MAT 7240 MT= 77 (n,n') Level Cross Section 72-Hf-179 -97.16 To 6681. %



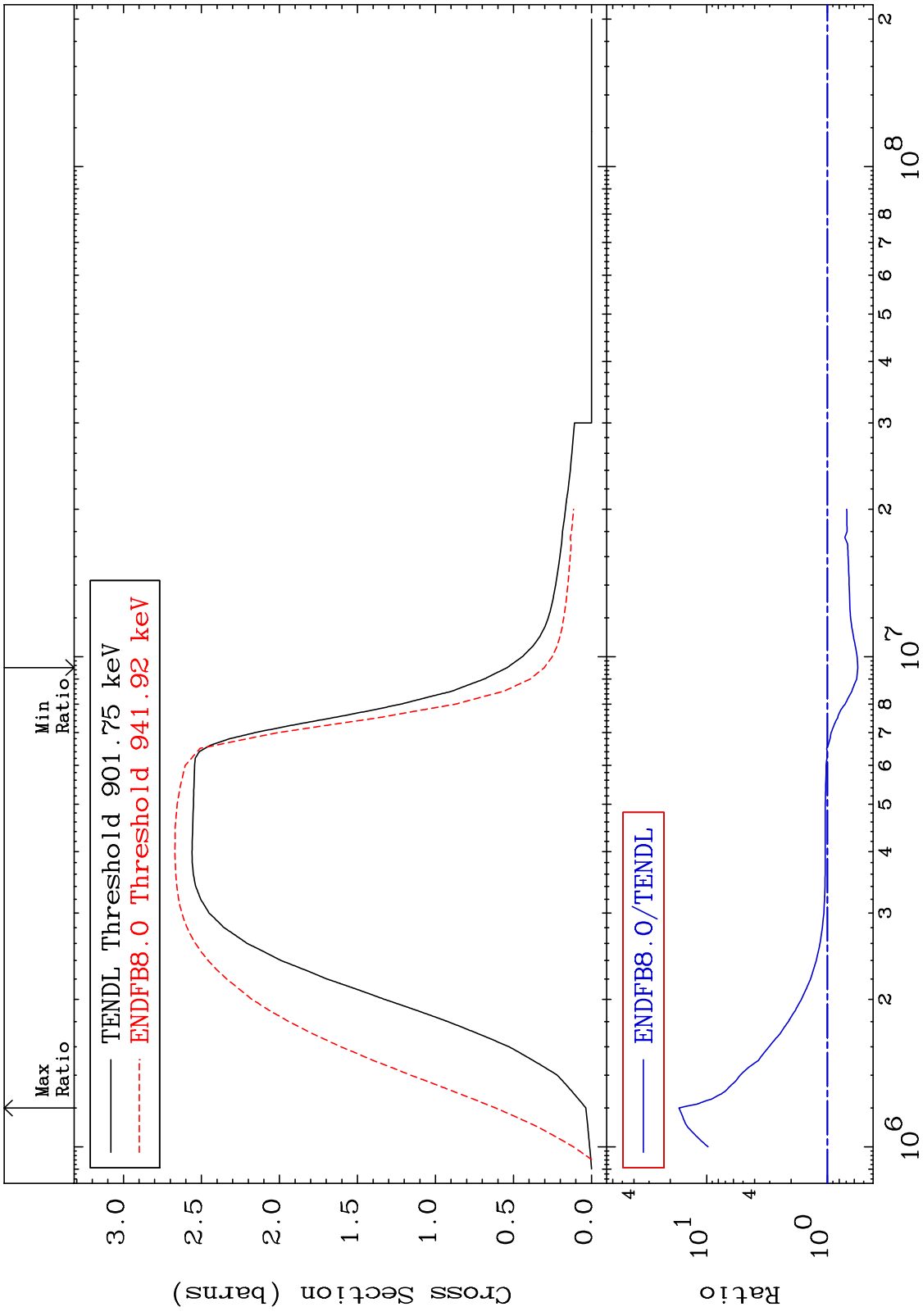
MAT 7240 MT= 78 (n,n') Level Cross Section 72-Hf-179 -93.26 To 9999. %



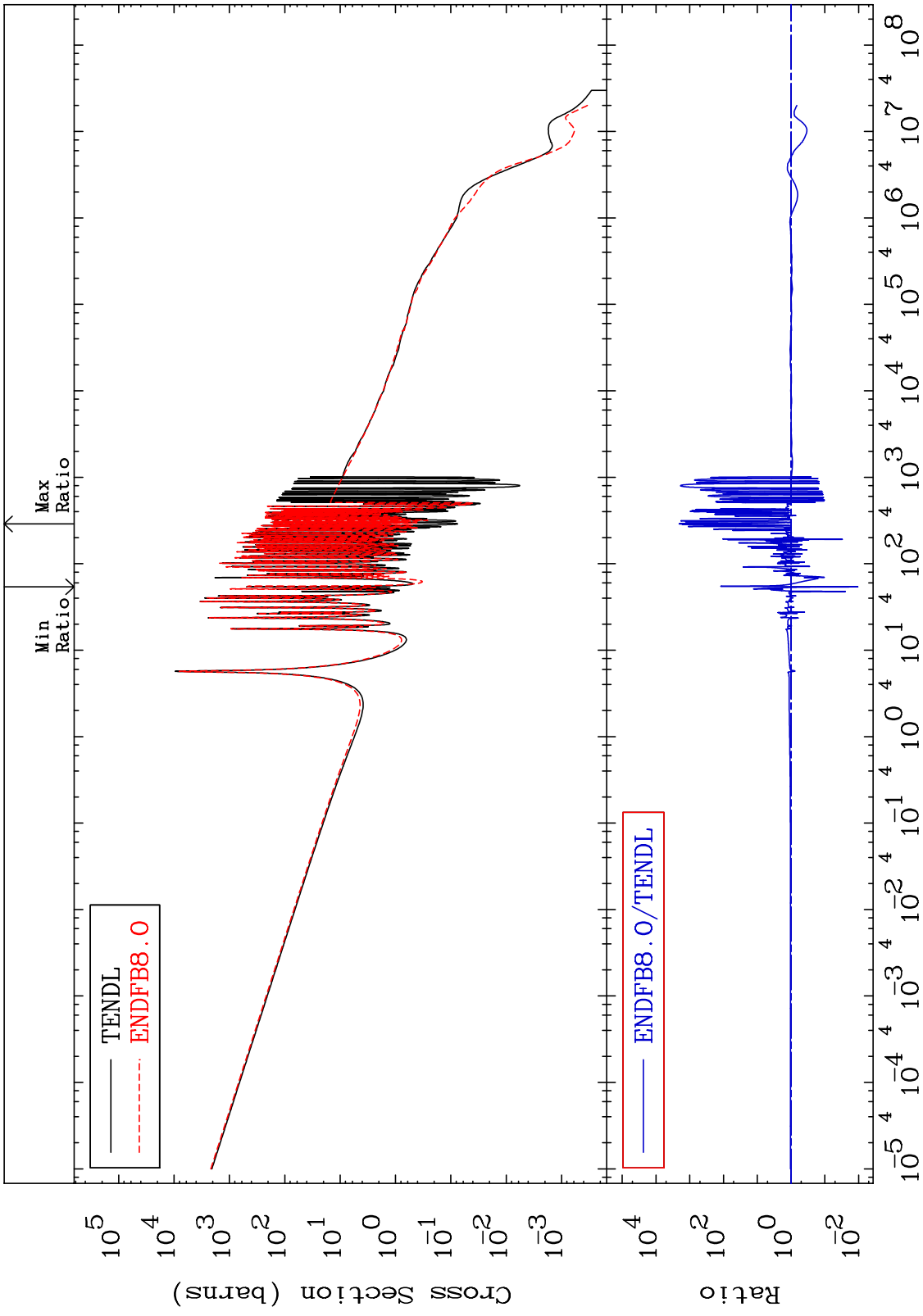
MAT 7240 MT= 79 (n,n') Level Cross Section 72-Hf-179
 -100.0 To -57.05%



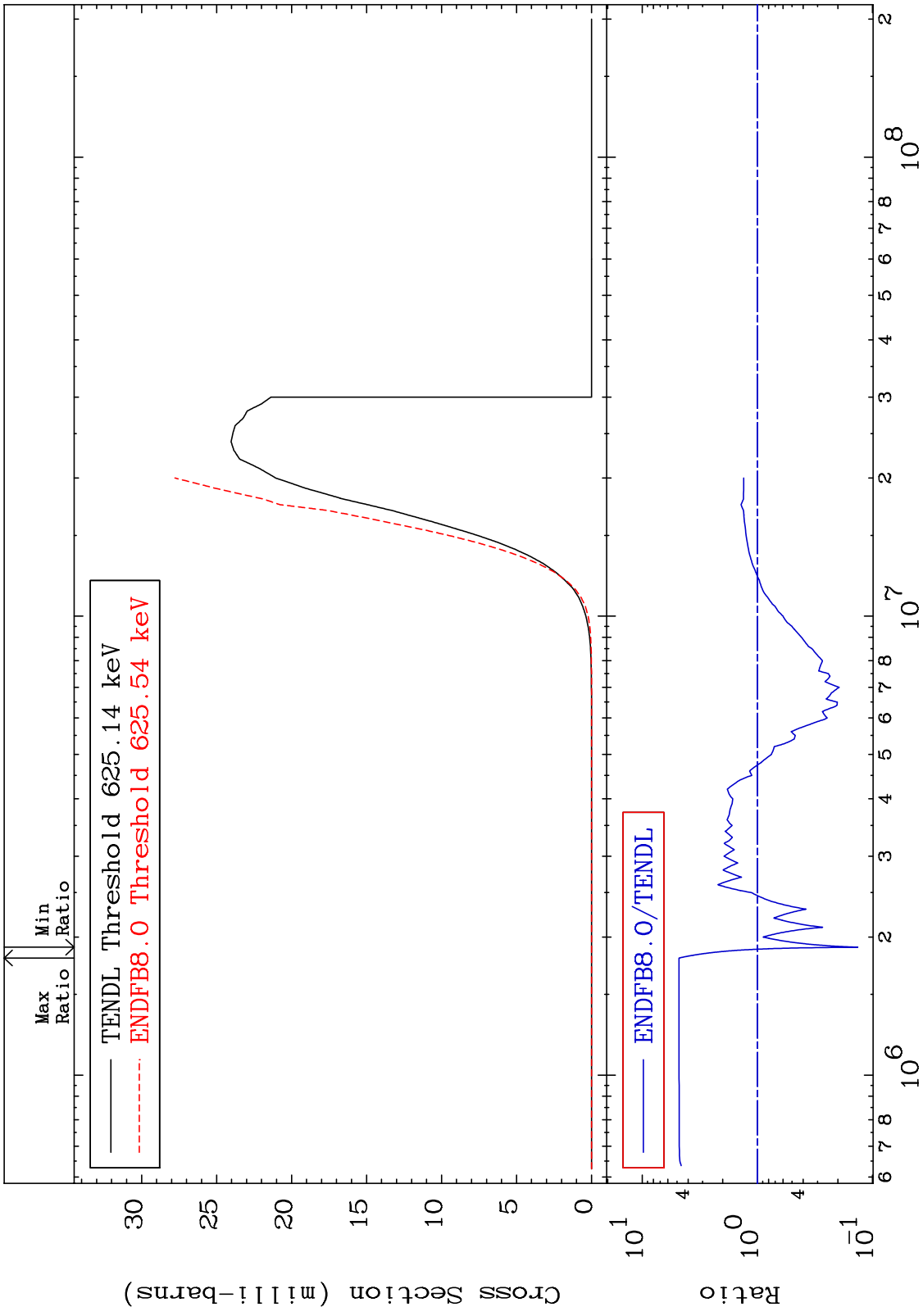
MAT 7240 (n, n') Continuum Cross Section 72-Hf-179
 -44.03 To 1594. %



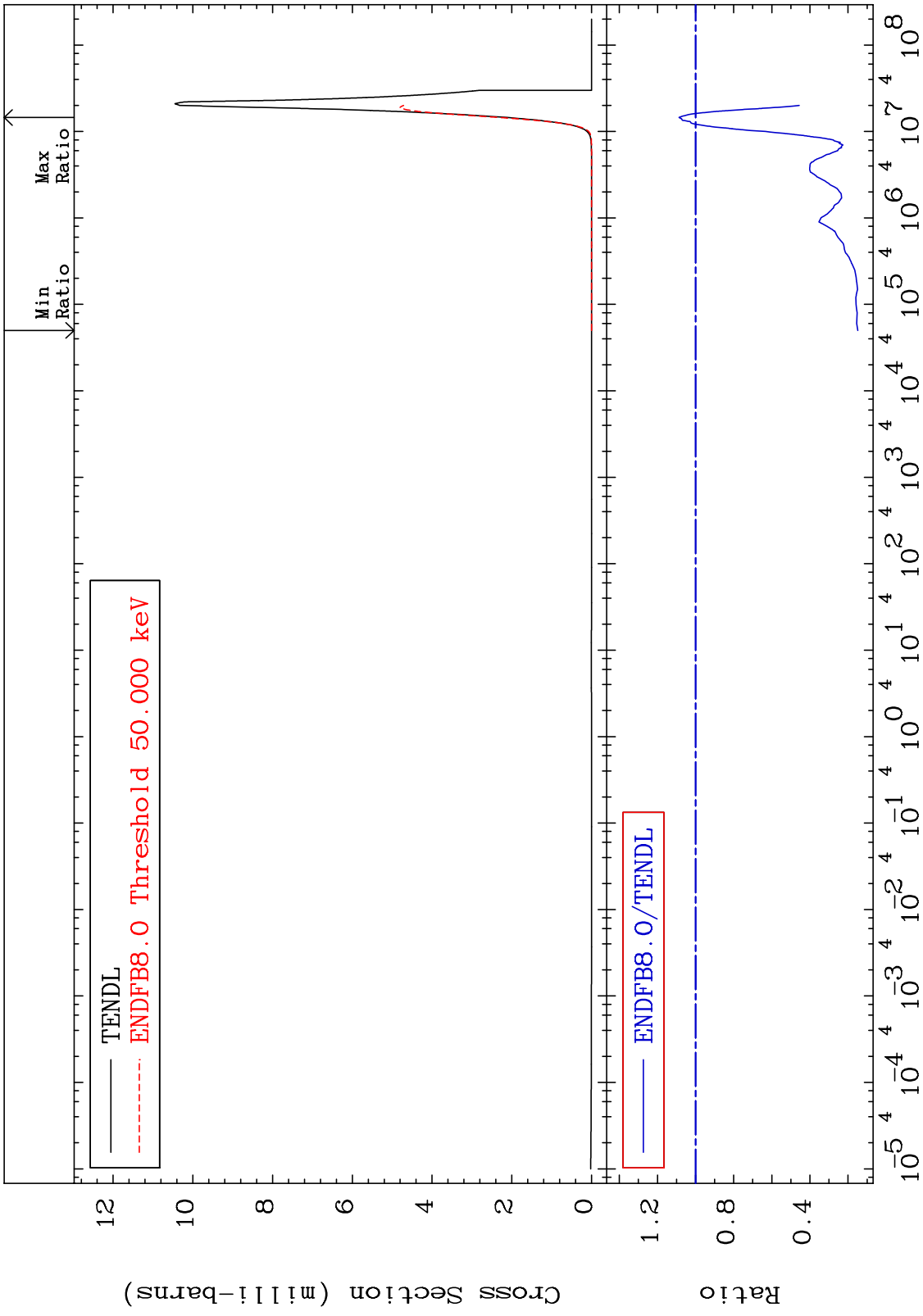
MAT 7240 72-Hf-179
-98.94 To 9999. %
 (n, γ)
 Cross Section



MAT 7240 (n,p) Cross Section 72-Hf-179 -86.58 To 379.5 %



MAT 7240 (n,α) Cross Section 72-Hf-179
-85.15 To 8.672 %

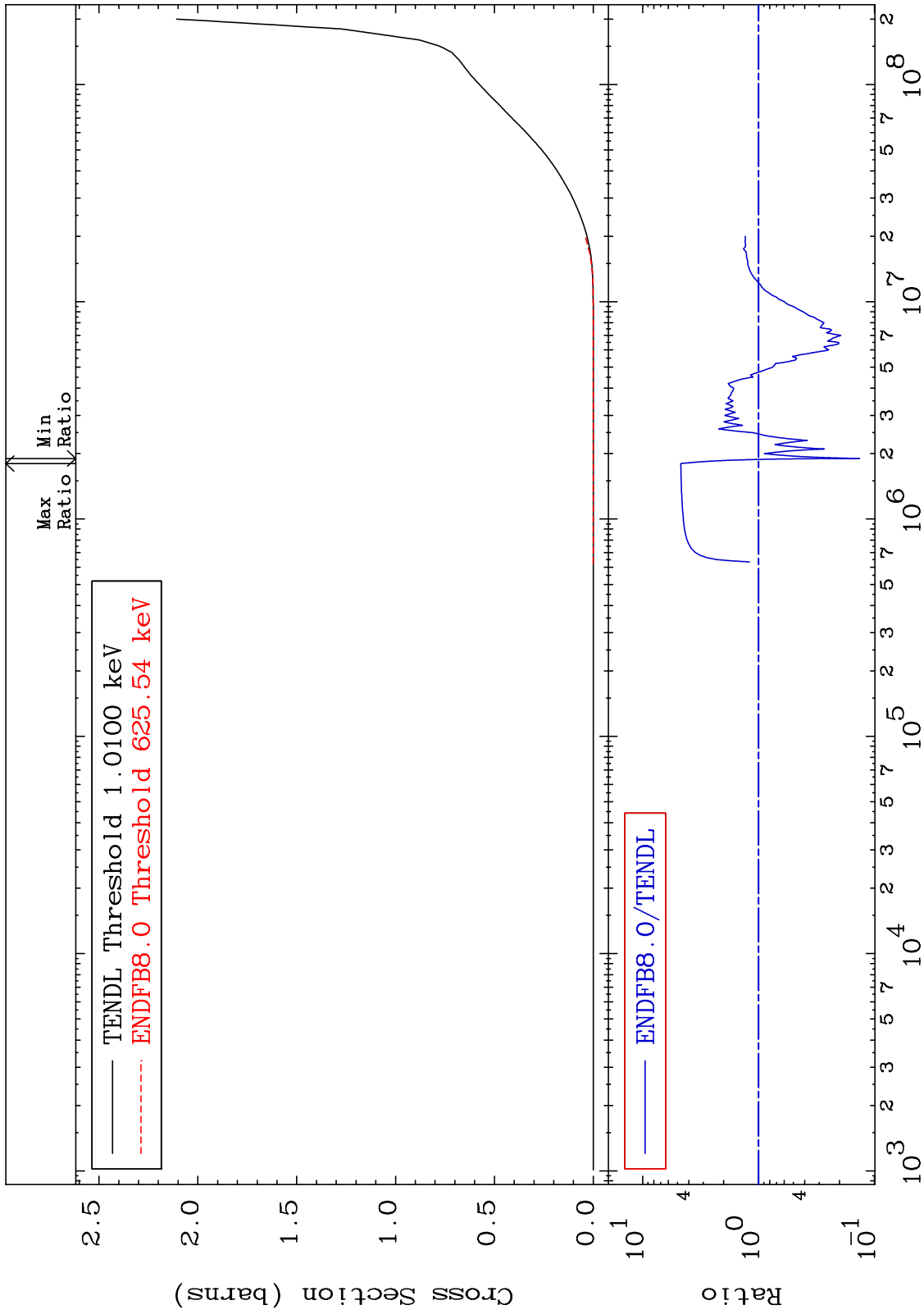


40 Incident Energy (eV) 72-Hf-179

MAT 7240

Hydrogen Production
Cross Section

72-Hf-179
-86.59 To 368.5 %



41

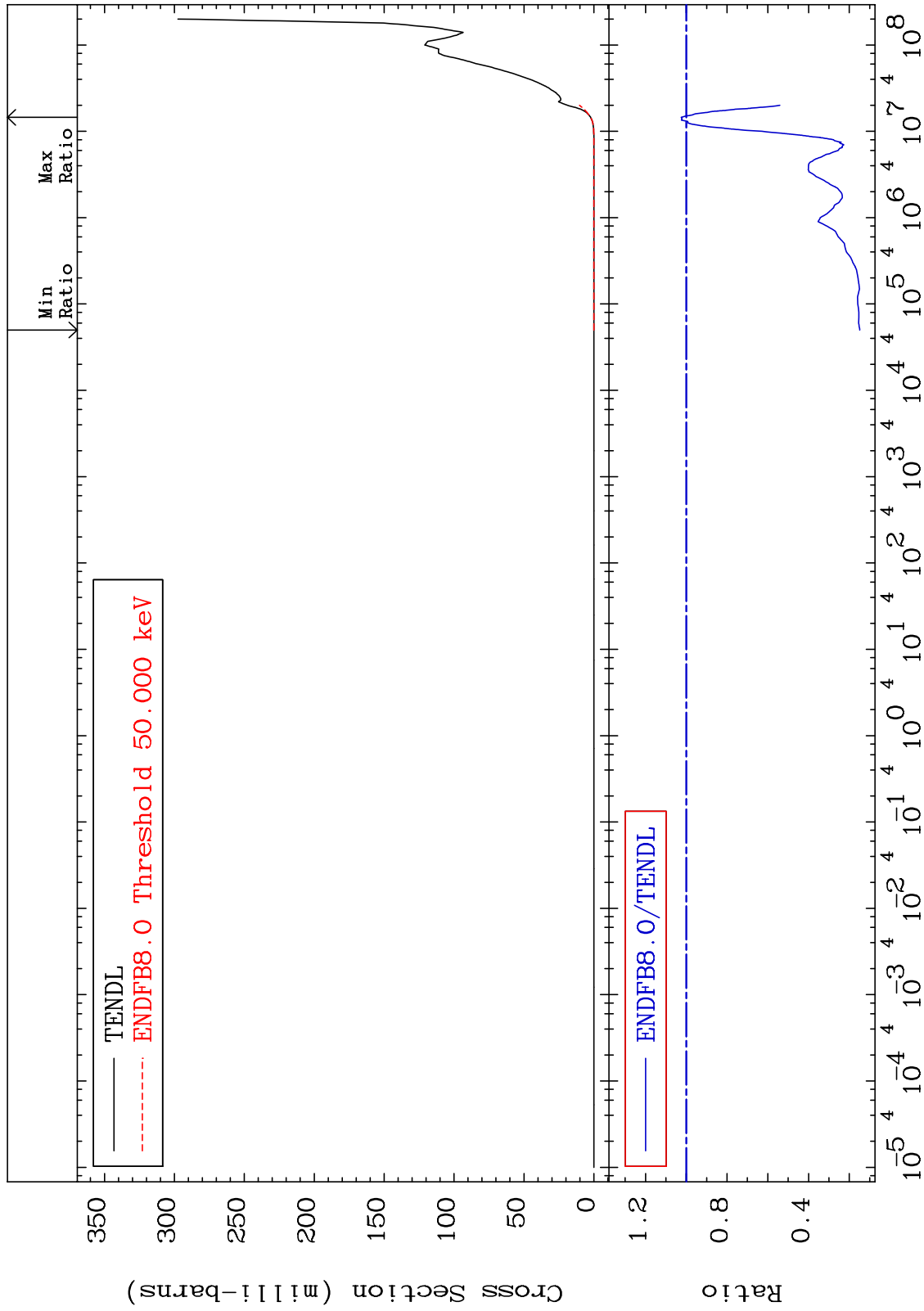
Incident Energy (eV)

72-Hf-179

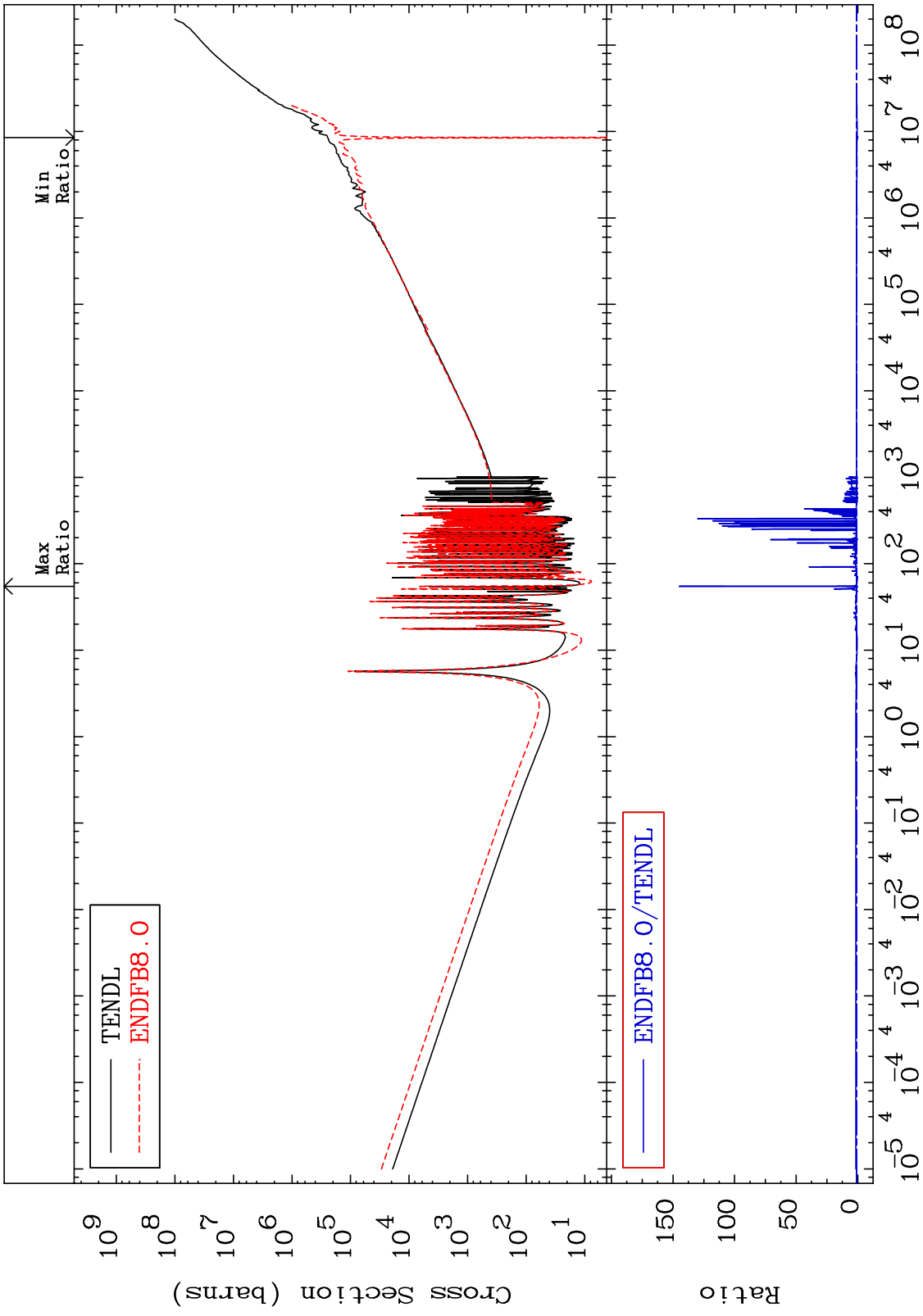
MAT 7240

He-4 Production
Cross Section

72-Hf-179
-85.15 To 2.483 %



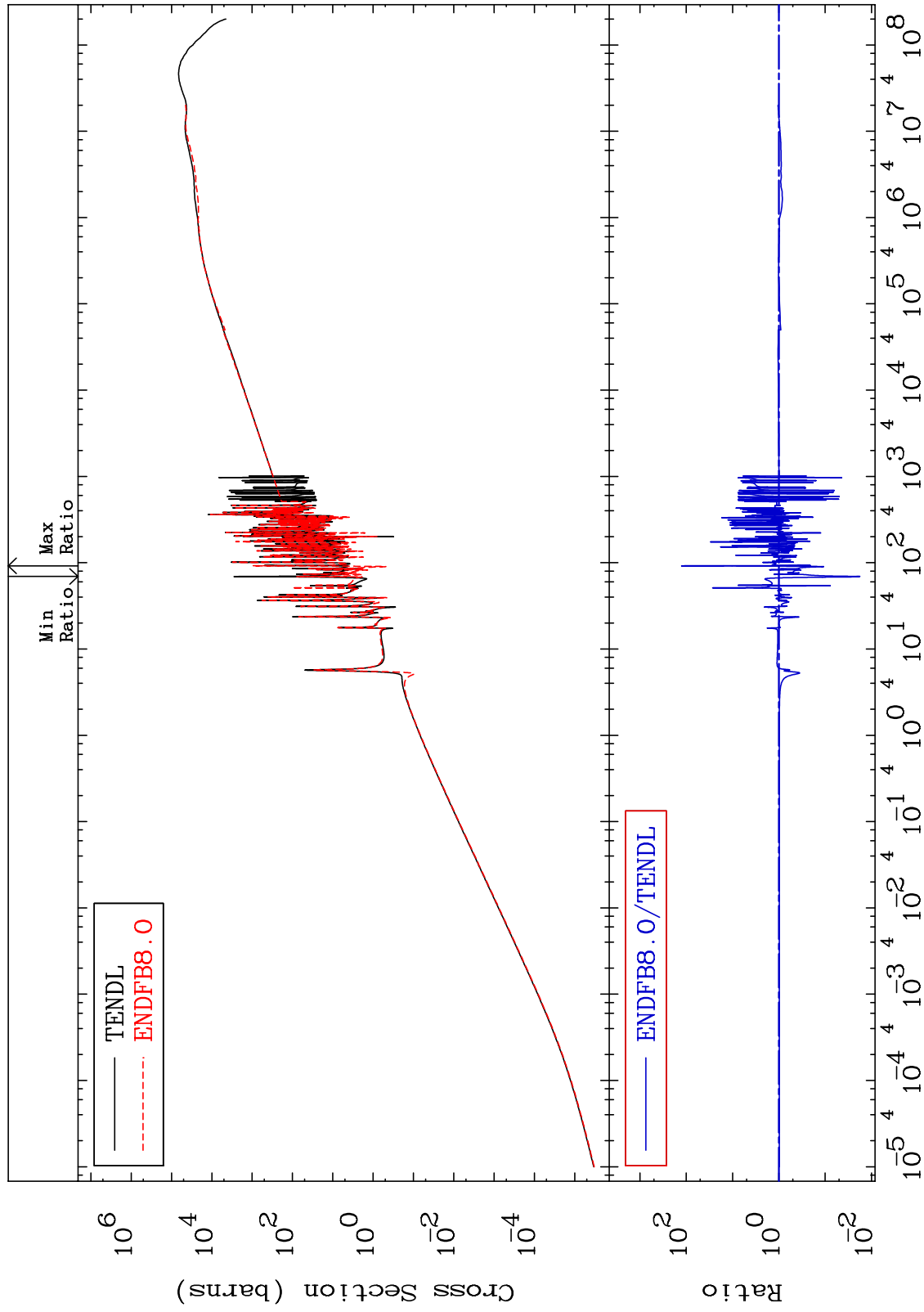
MAT 7240 Kerma total (eV-barns) 72-Hf-179
Cross Section -108.7 To 9999. %



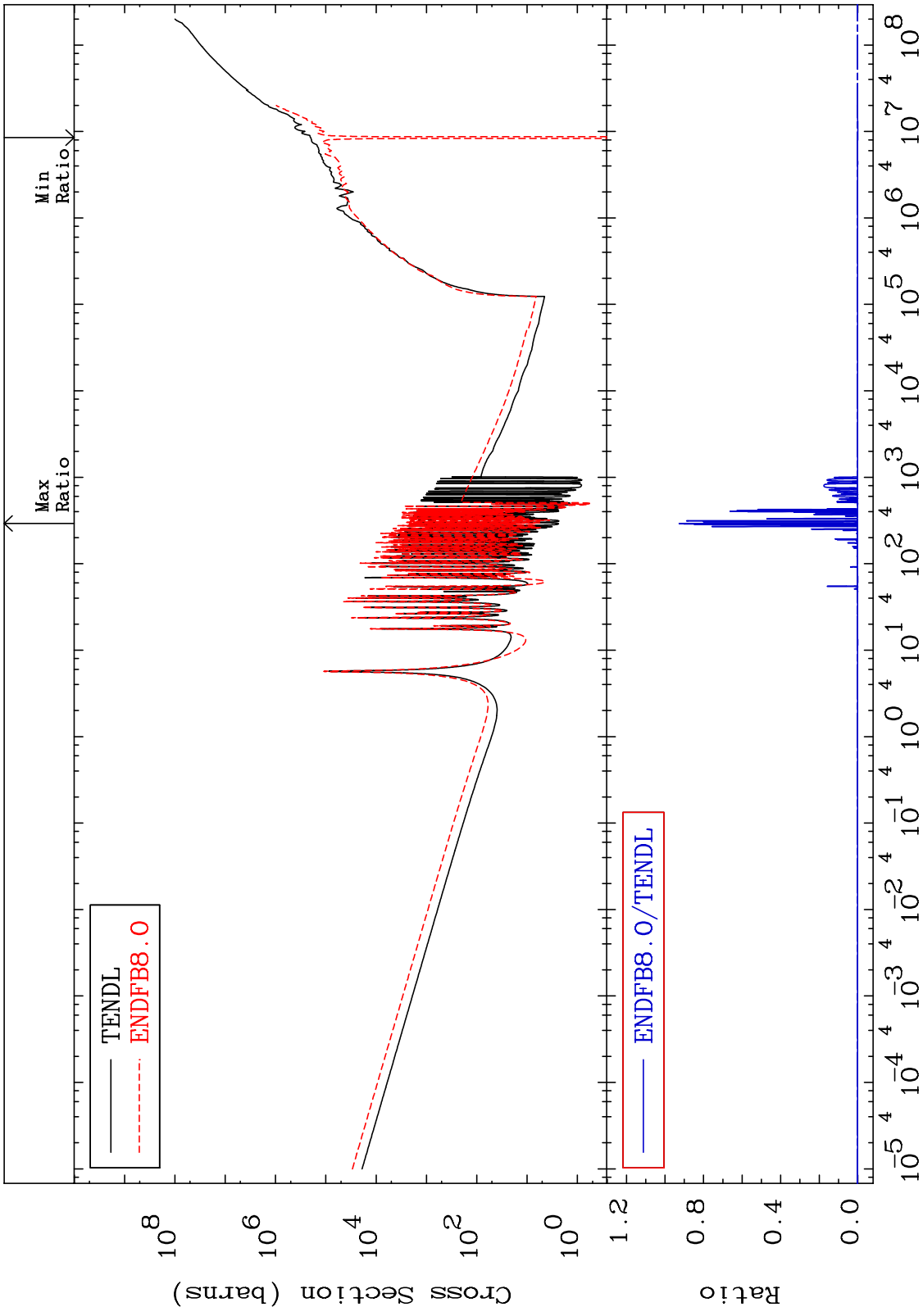
MAT 7240

Kerma elastic
Cross Section

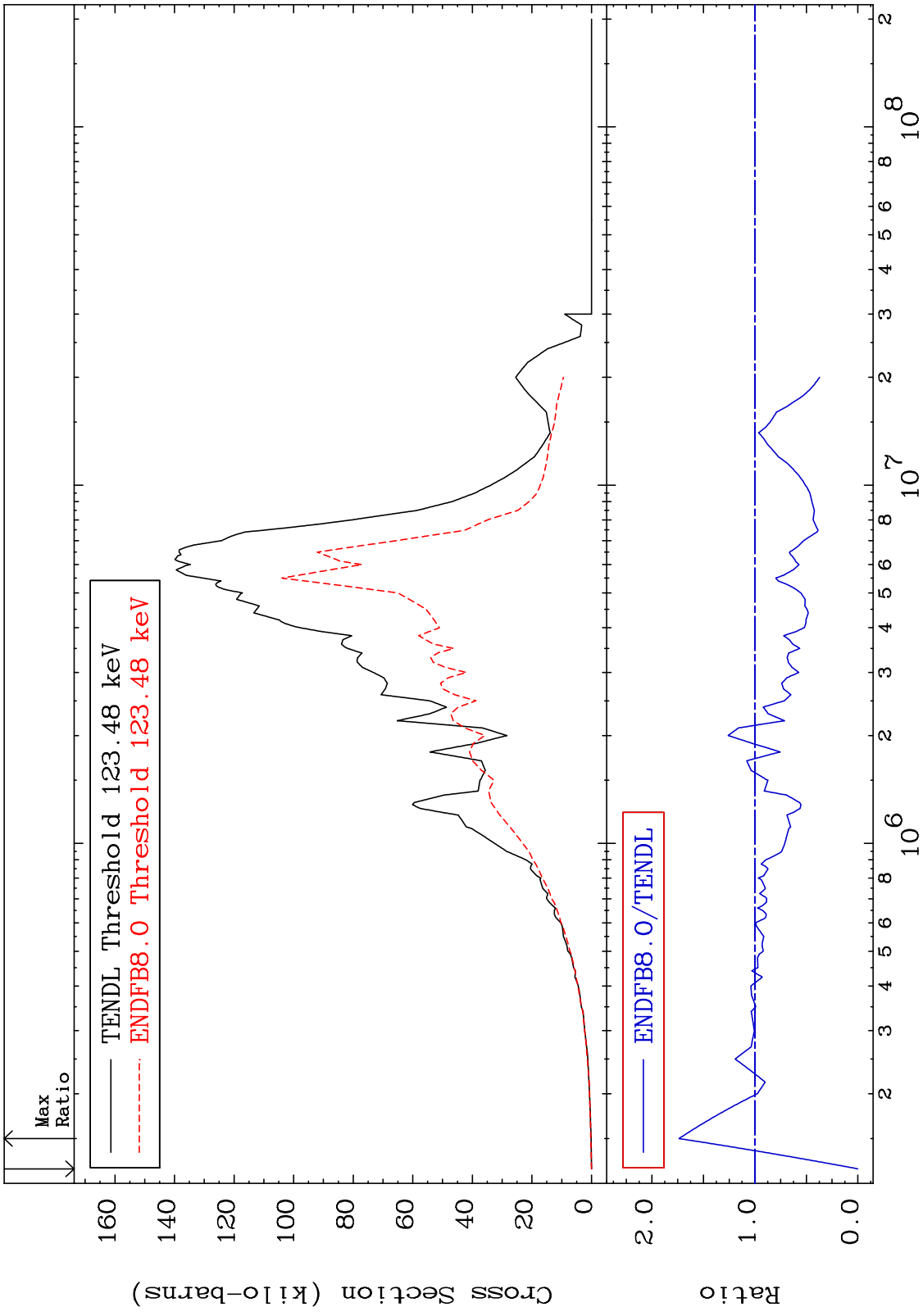
72-Hf-179
-98.22 To 9999. %



MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179
Cross Section -130.6 To 9999. %



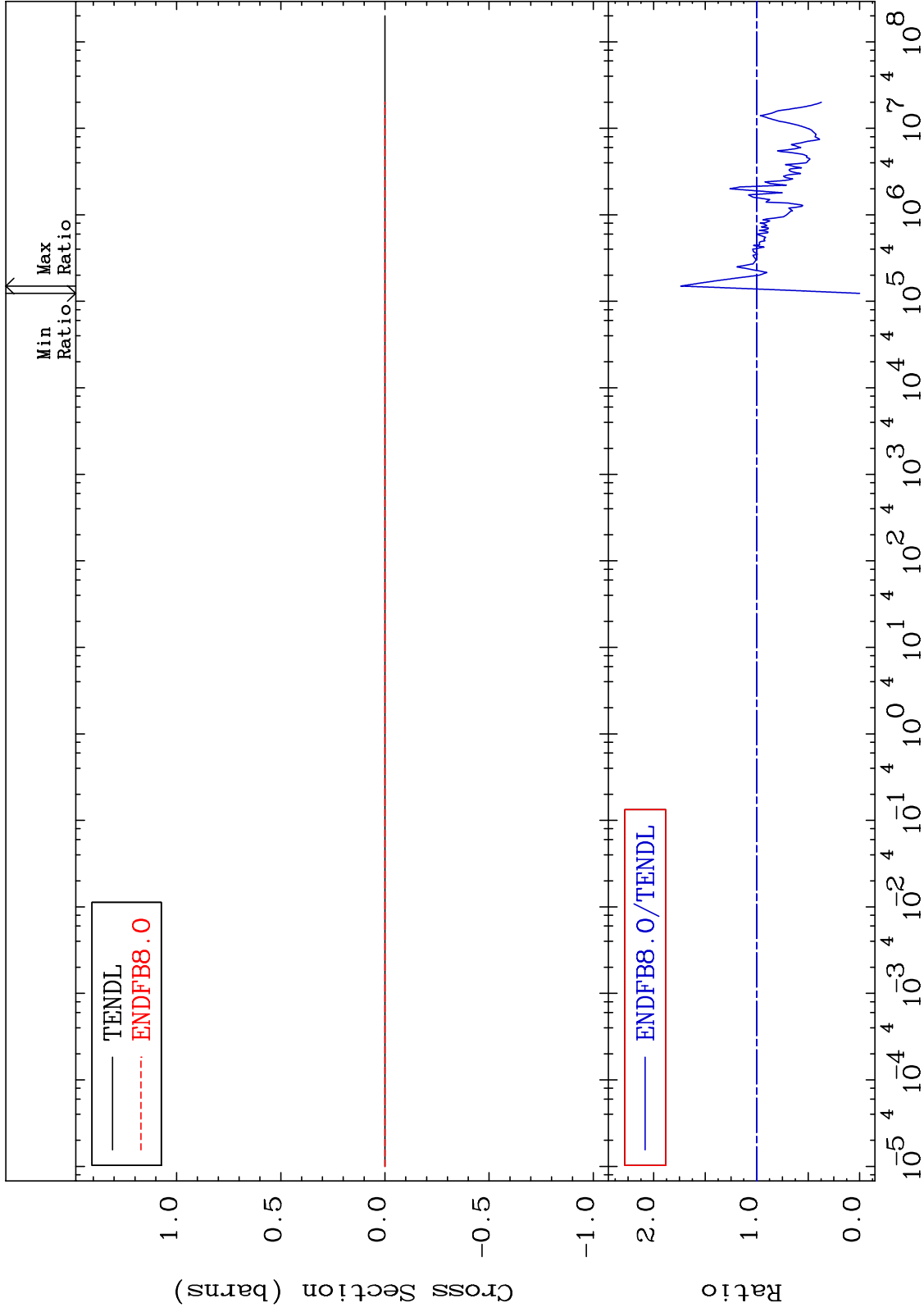
MAT 7240 Kerma inelastic (mt51-91) 72-Hf-179
 Cross Section -100.0 To 73.68 %



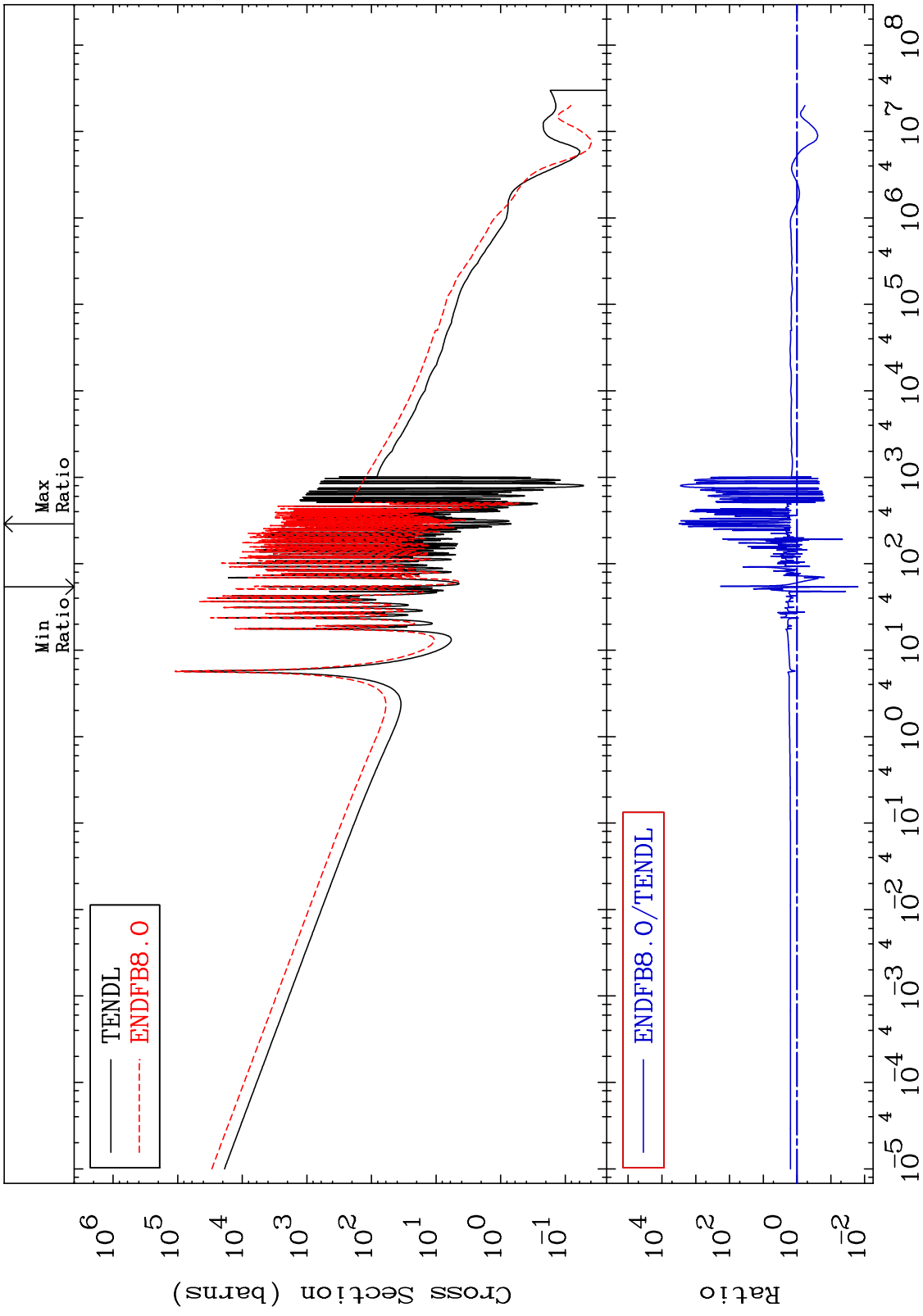
MAT 7240

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

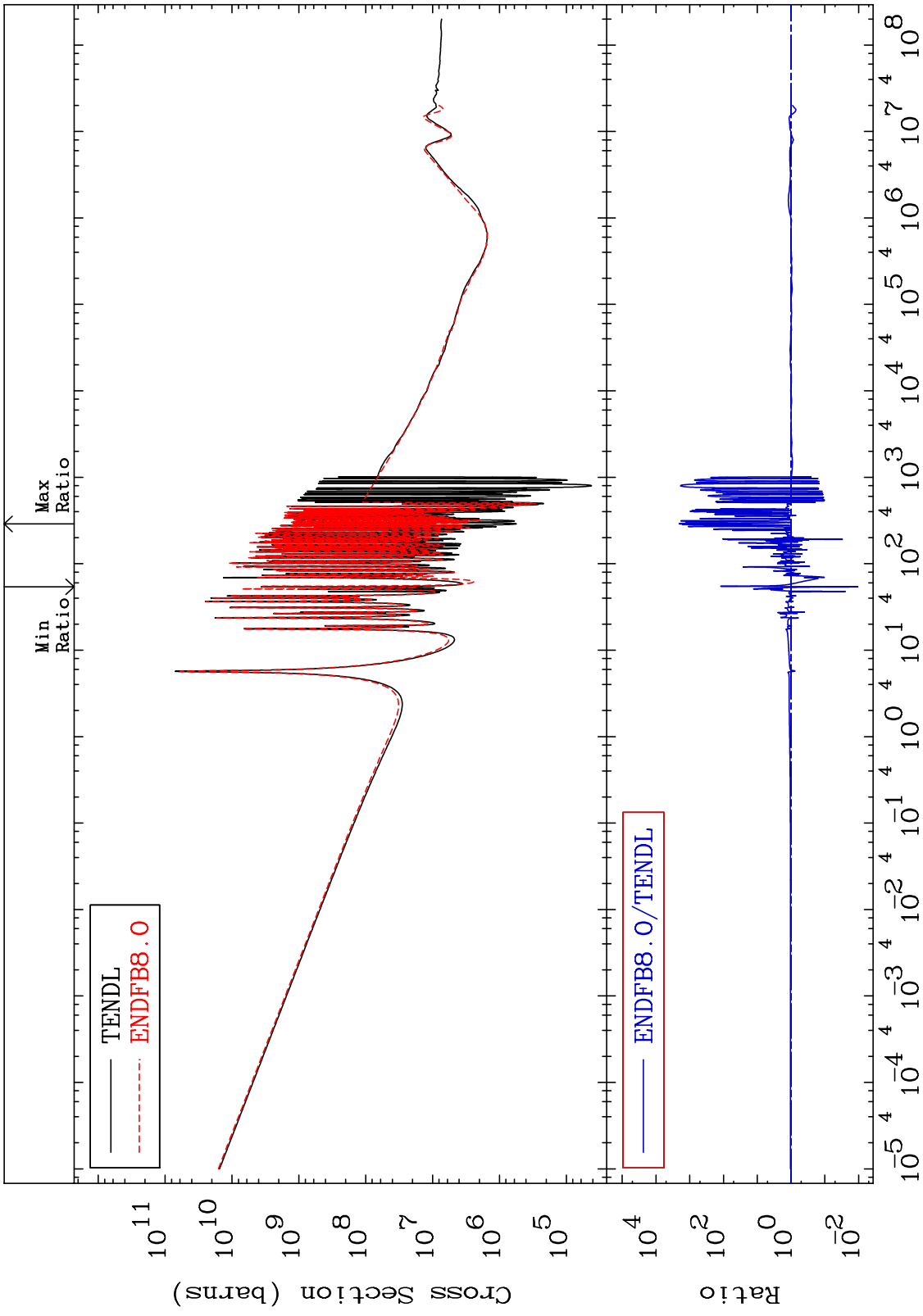
72-Hf-179
-100.0 To 73.68 %



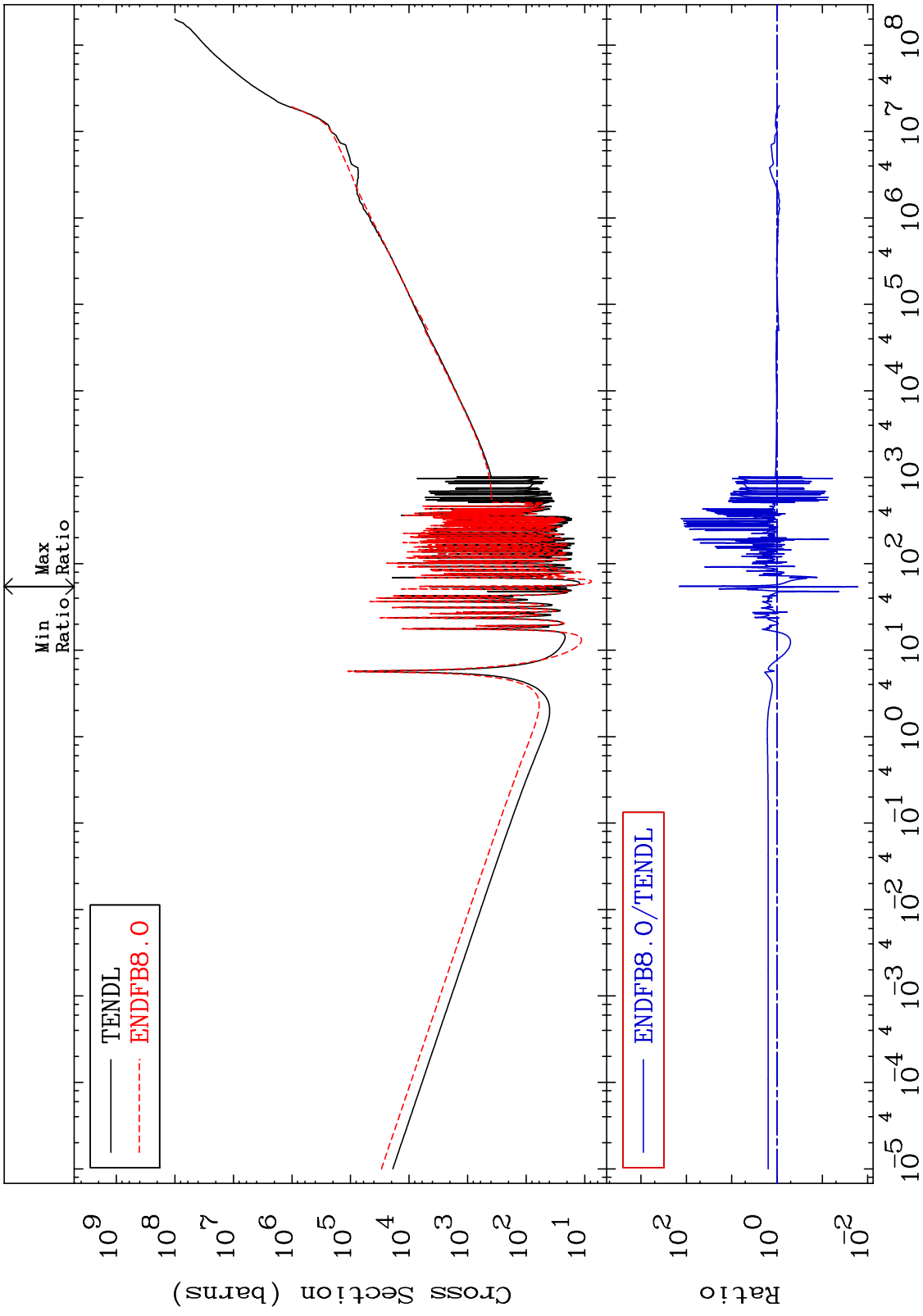
MAT 7240 Kerma capture (mt102) 72-Hf-179
 -98.41 To 9999. %
 Cross Section



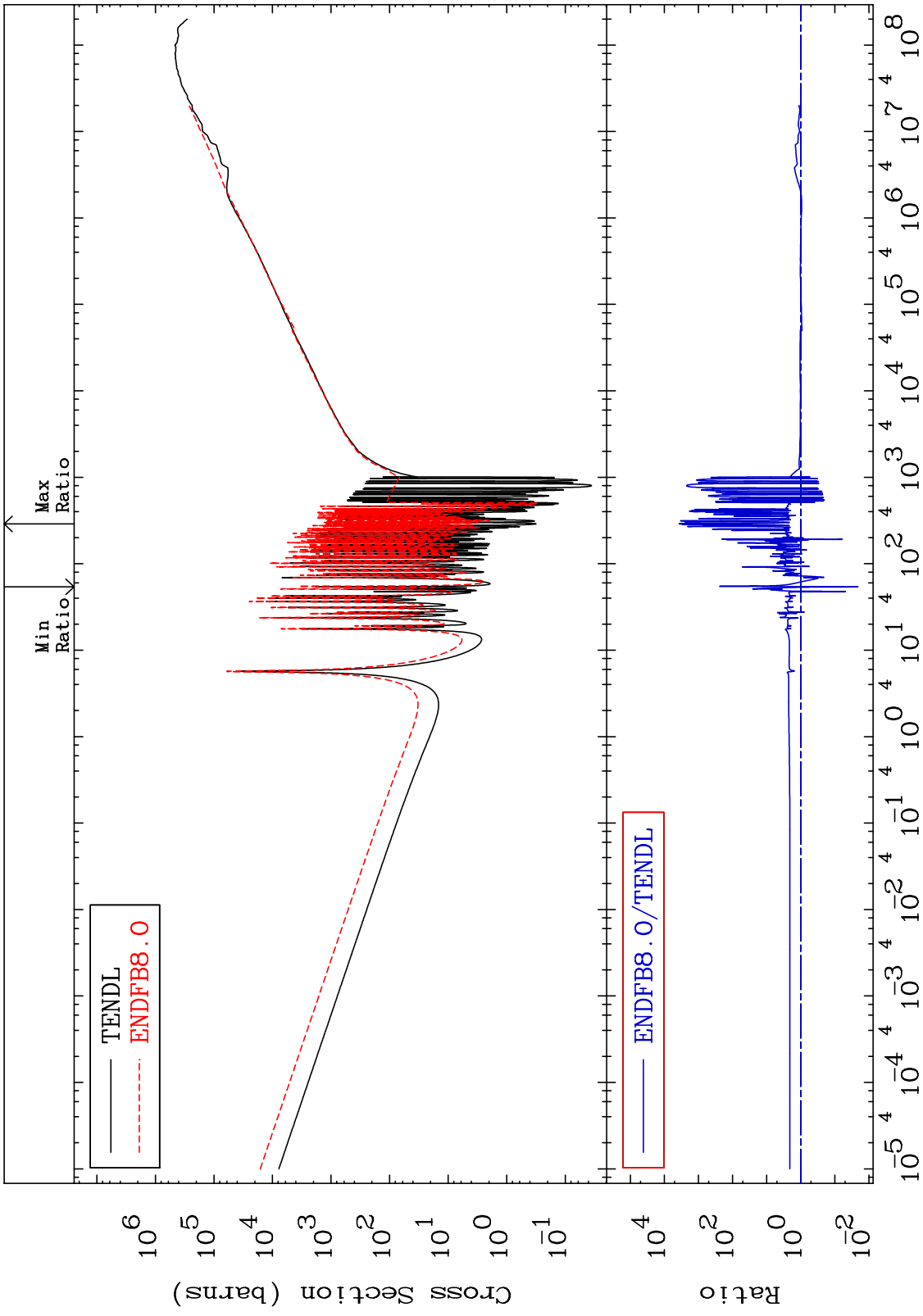
MAT 7240 72-Hf-179
 Total photon (eV-barns) -98.94 To 9999. %
 Cross Section



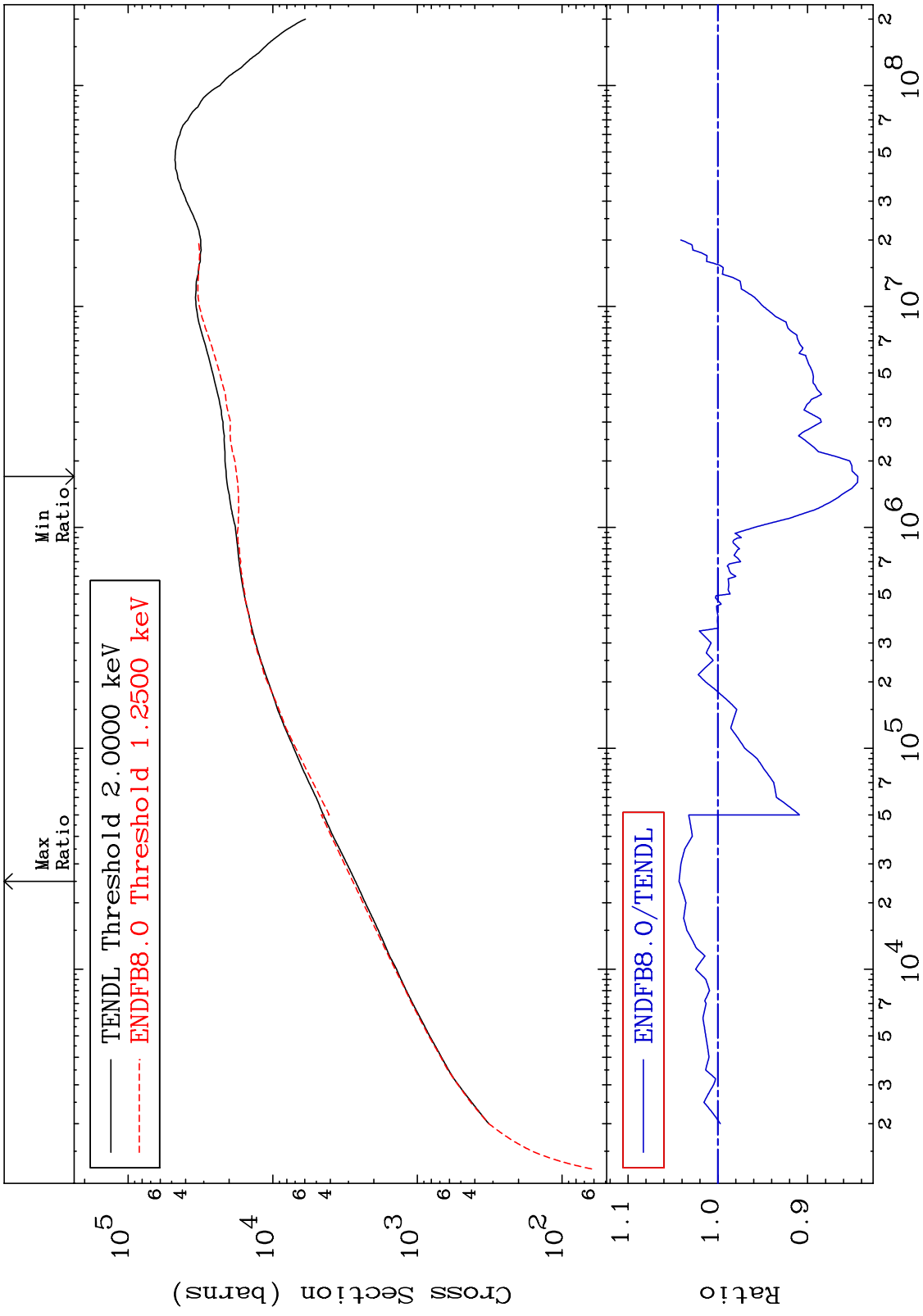
MAT 7240 Total kinematic kerma (high limit) 72-Hf-179
 Cross Section -98.36 To 9999. %



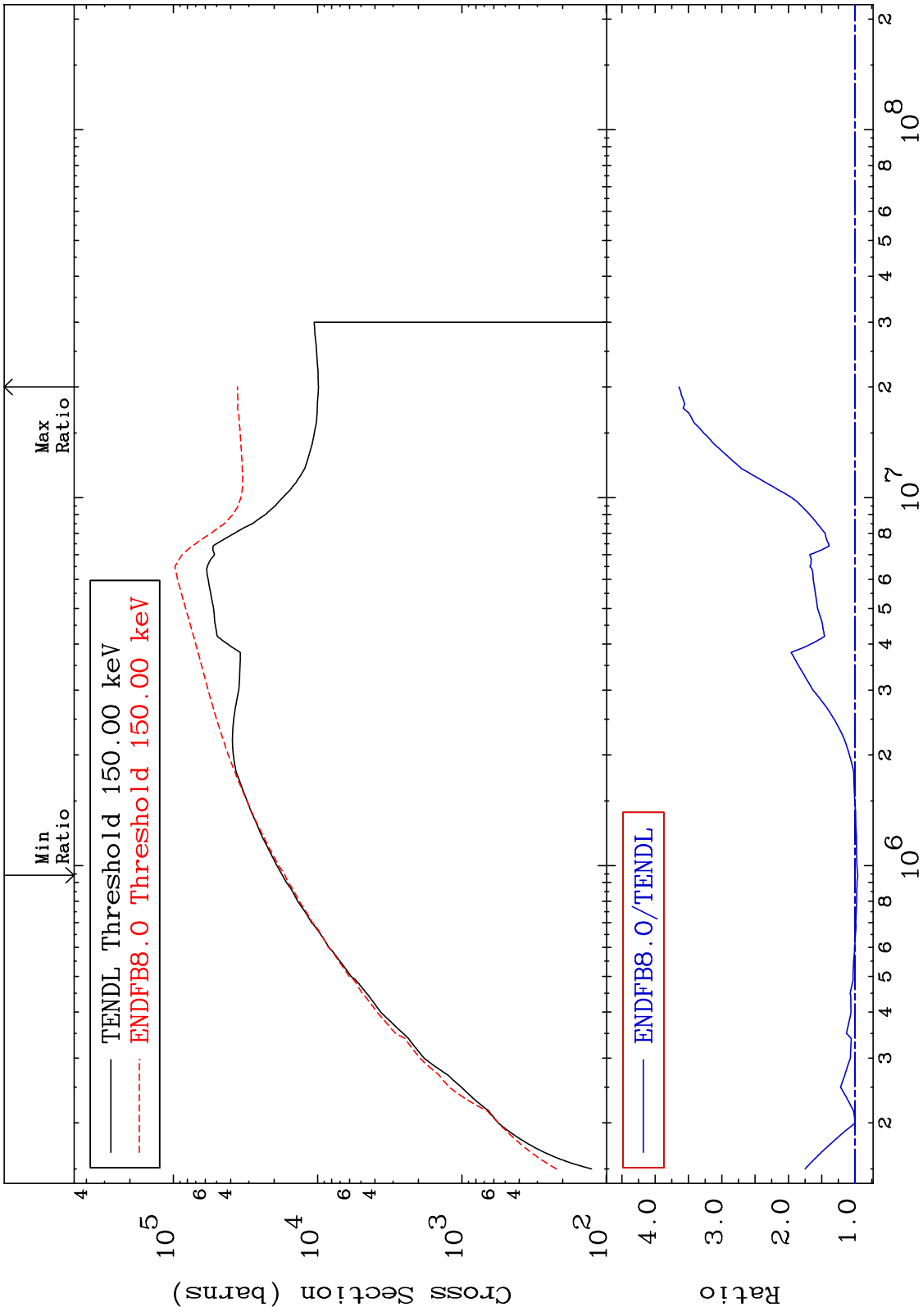
MAT 7240 Dpa total (eV-barns) 72-Hf-179
 Cross Section -97.90 To 9999. %



MAT 7240 72-Hf-179
 Dpa elastic (mt2) -15.59 To 4.321 %
 Cross Section



MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179
 Cross Section -4.219 To 264.1 %



MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179
 Cross Section -97.90 To 9999. %

