

Program Complot
(Version 2018-1)

by

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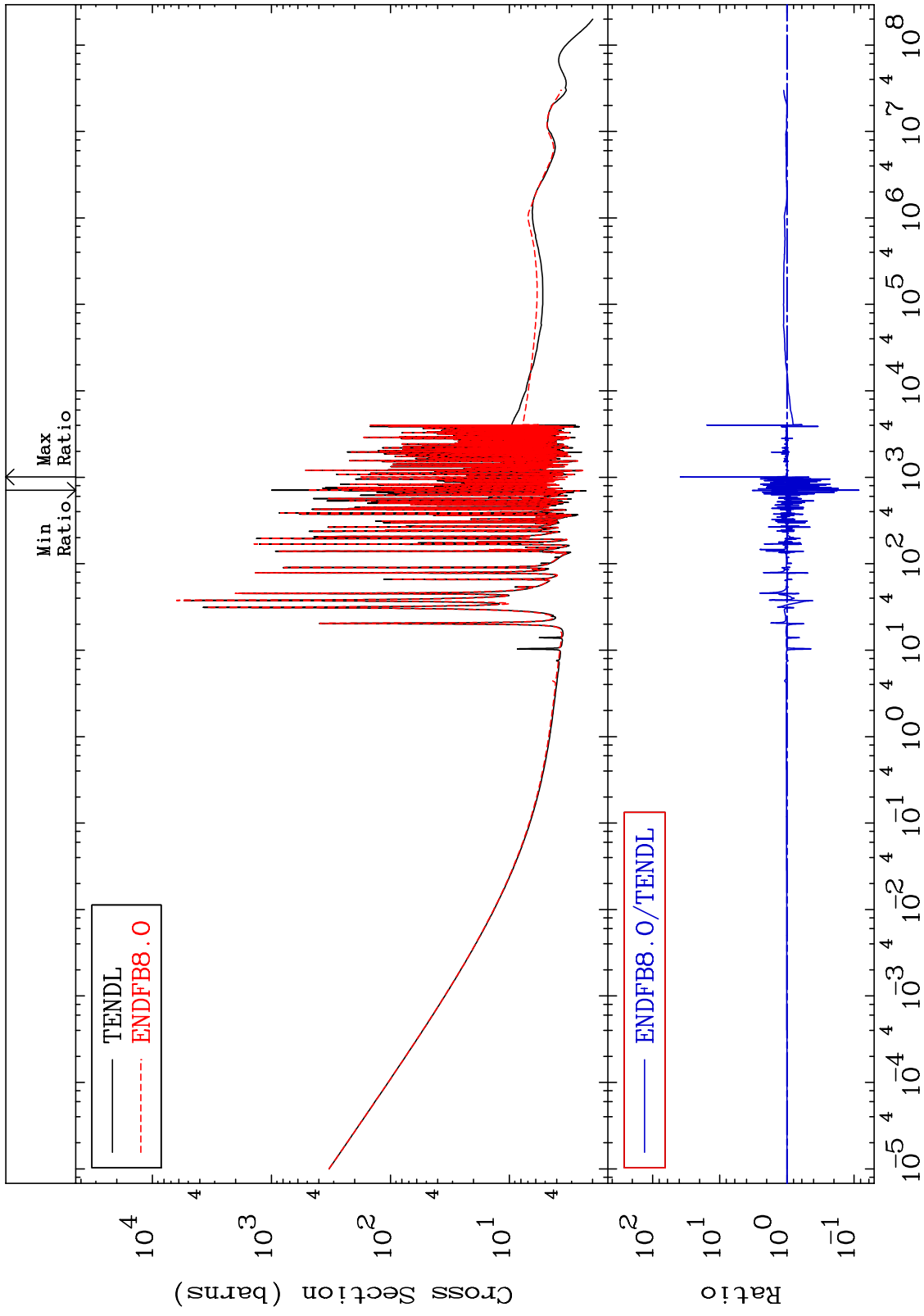
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5325

Total
Cross Section

53-I -127
-91.52 To 3780. %



1

Incident Energy (eV)

53-I -127

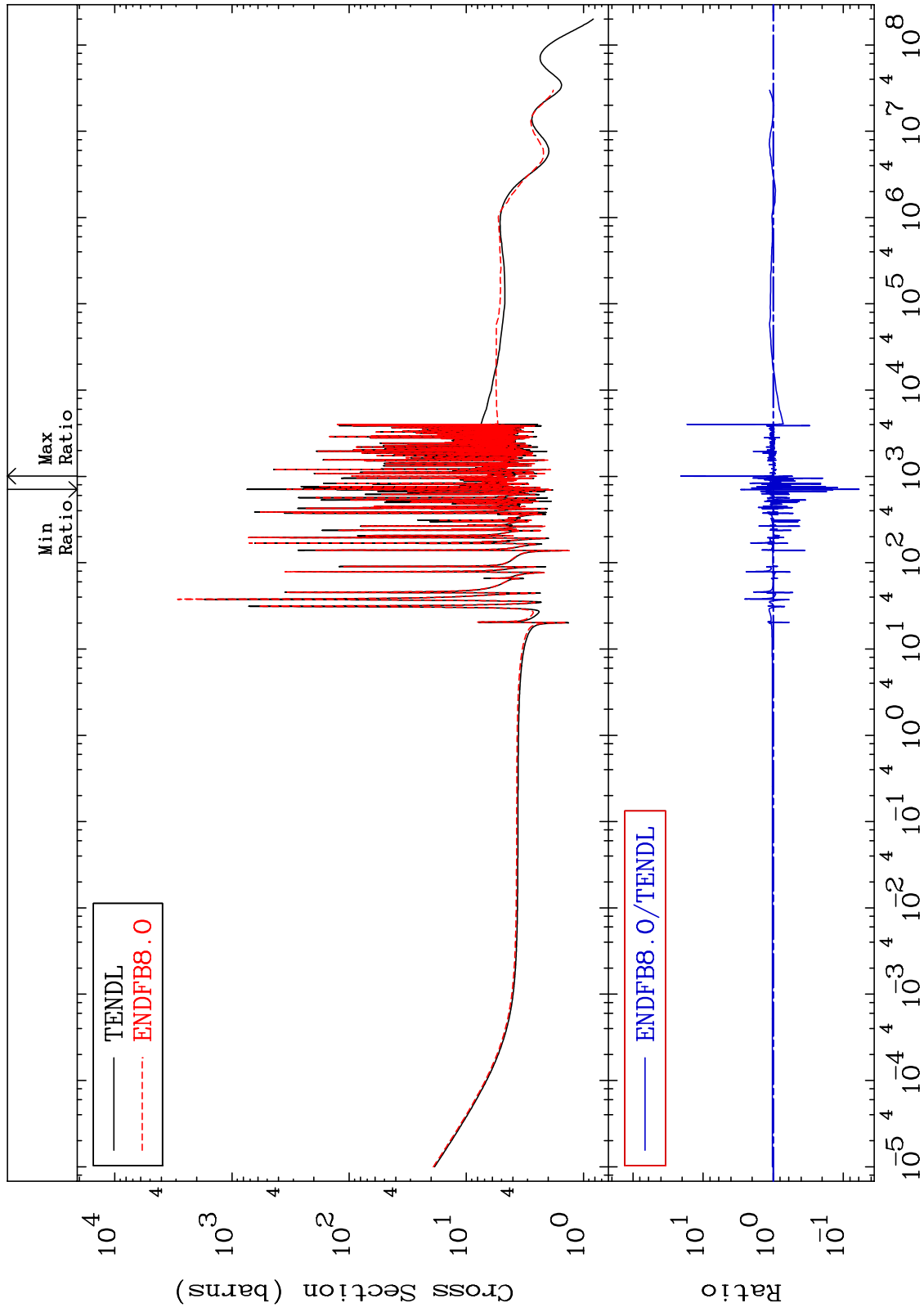
MAT 5325

Elastic

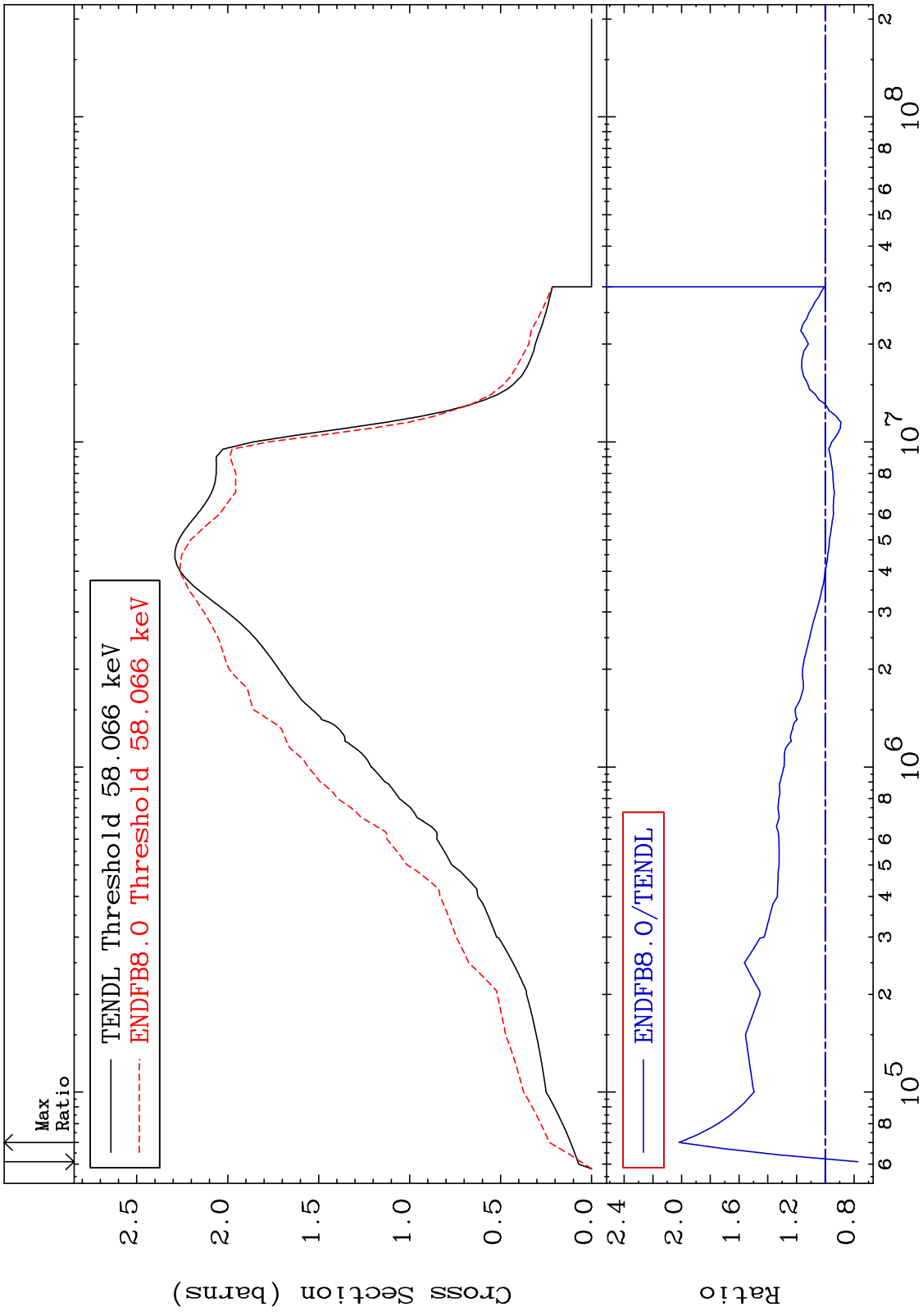
53-I -127

Cross Section

-94.04 To 1994. %



MAT 5325 Inelastic Cross Section 53-I -127 -22.64 To 101.8 %



3 53-I -127

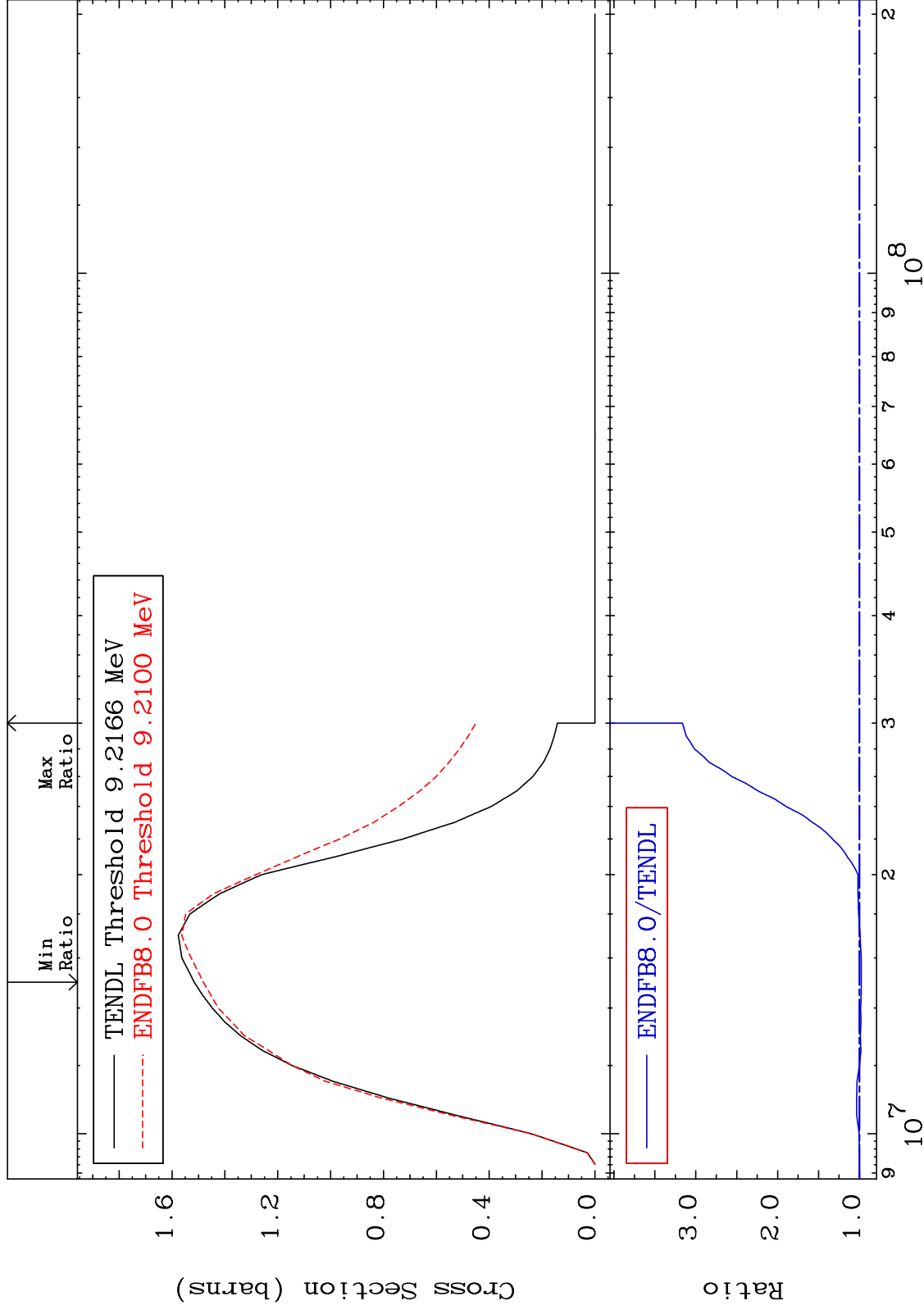
MAT 5325

(n,2n)

53-I -127

-2.285 To 216.3 %

Cross Section

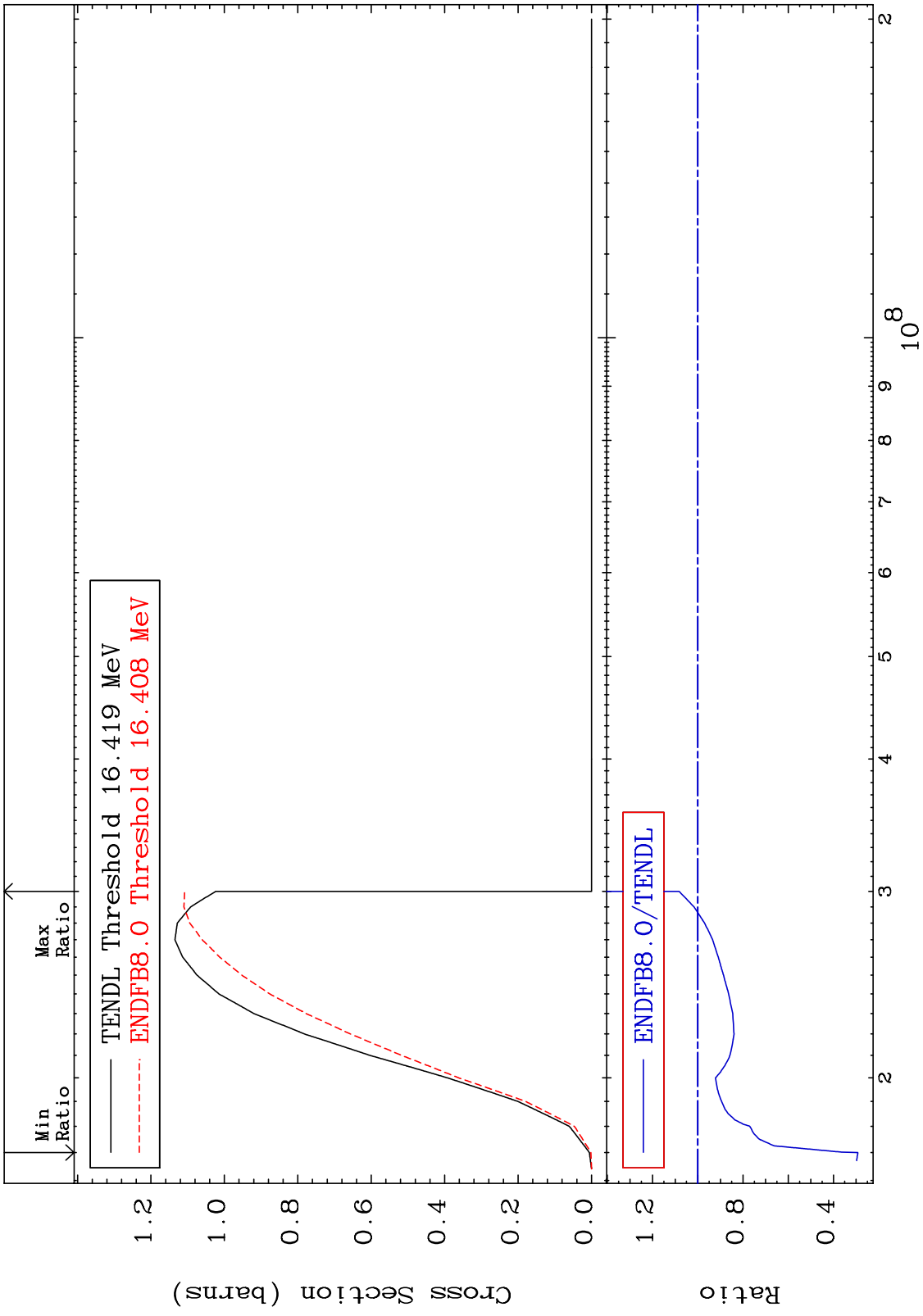


4

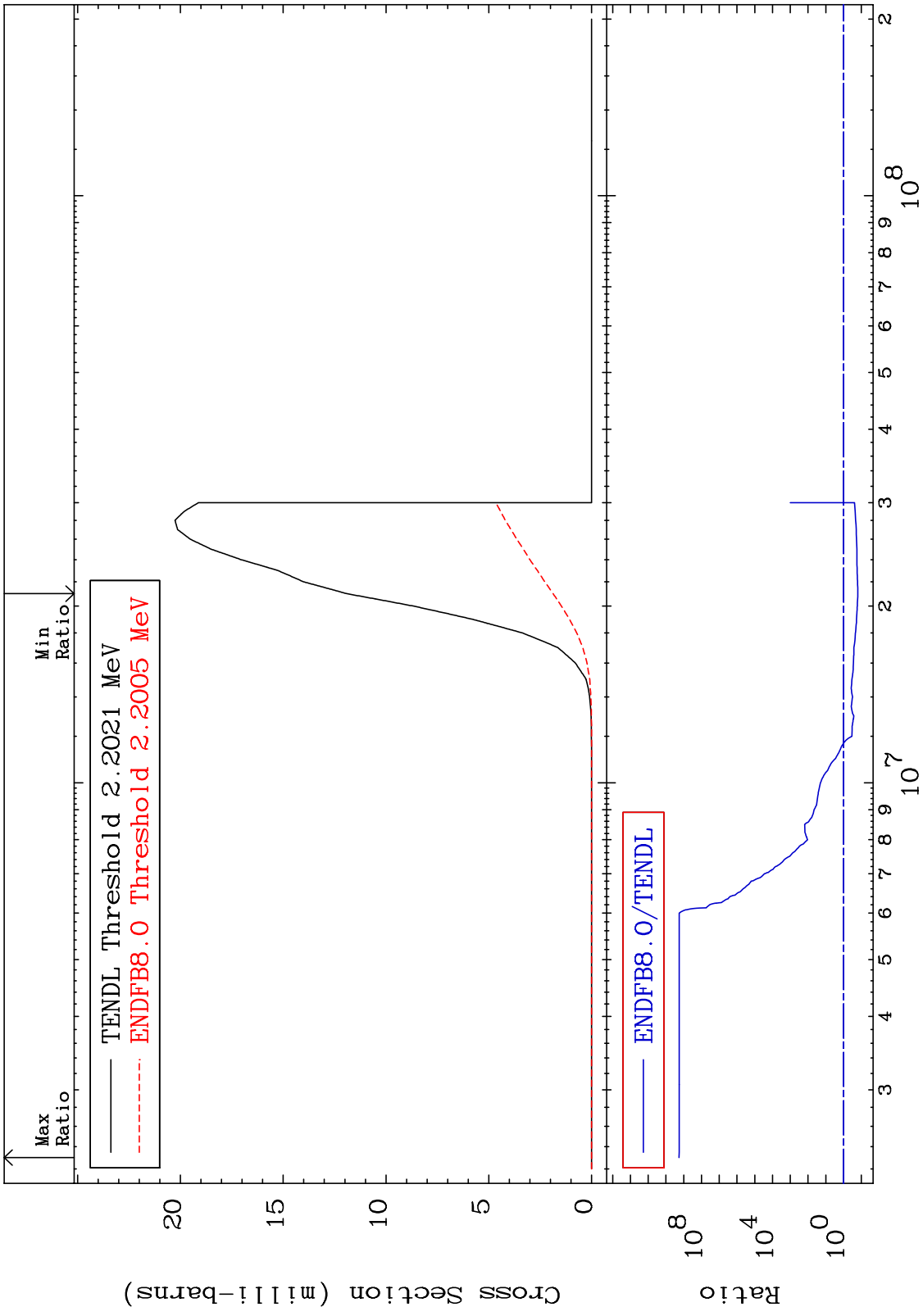
Incident Energy (eV)

53-I -127

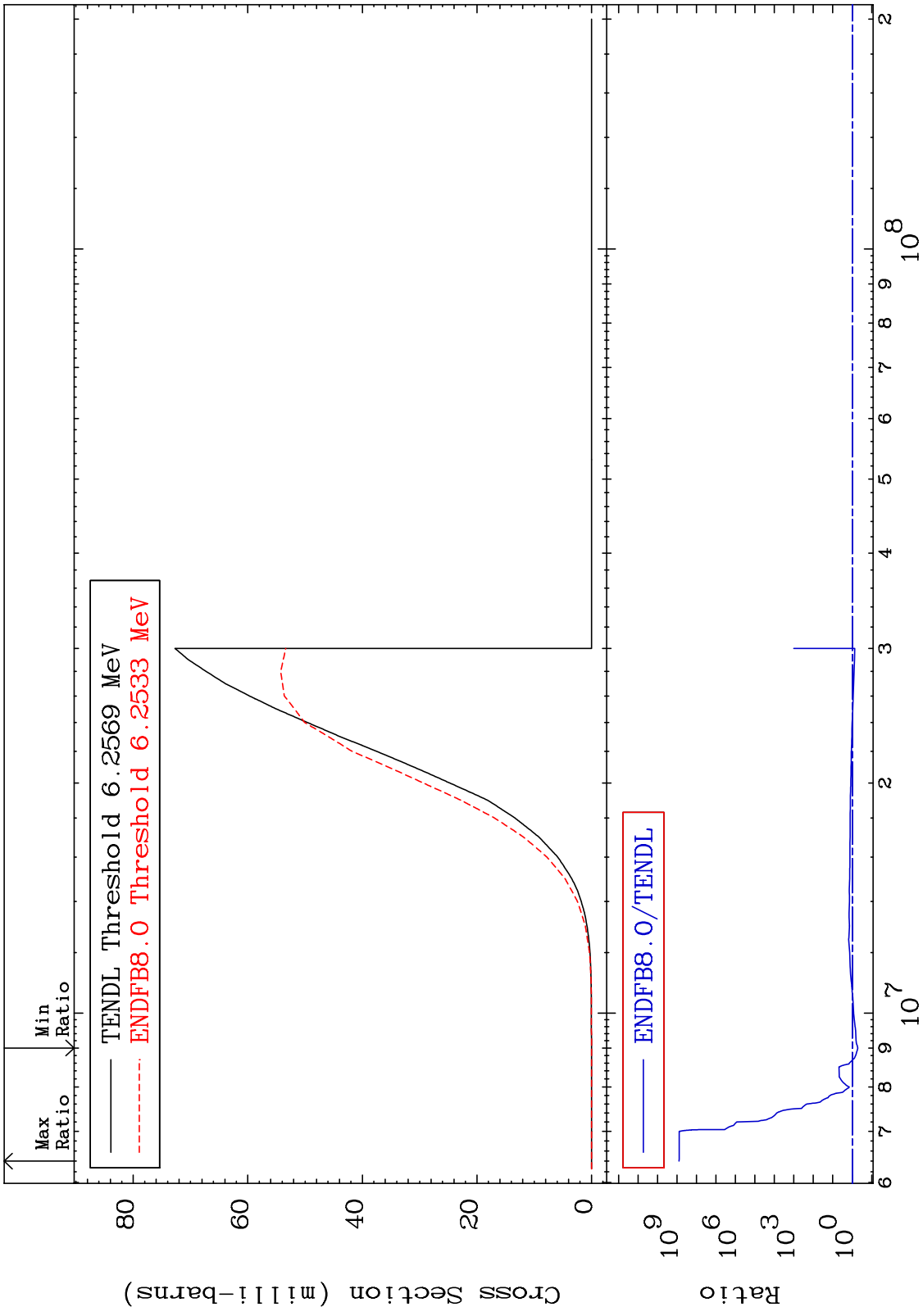
MAT 5325 (n,3n) Cross Section 53-I -127 -70.78 To 8.293 %



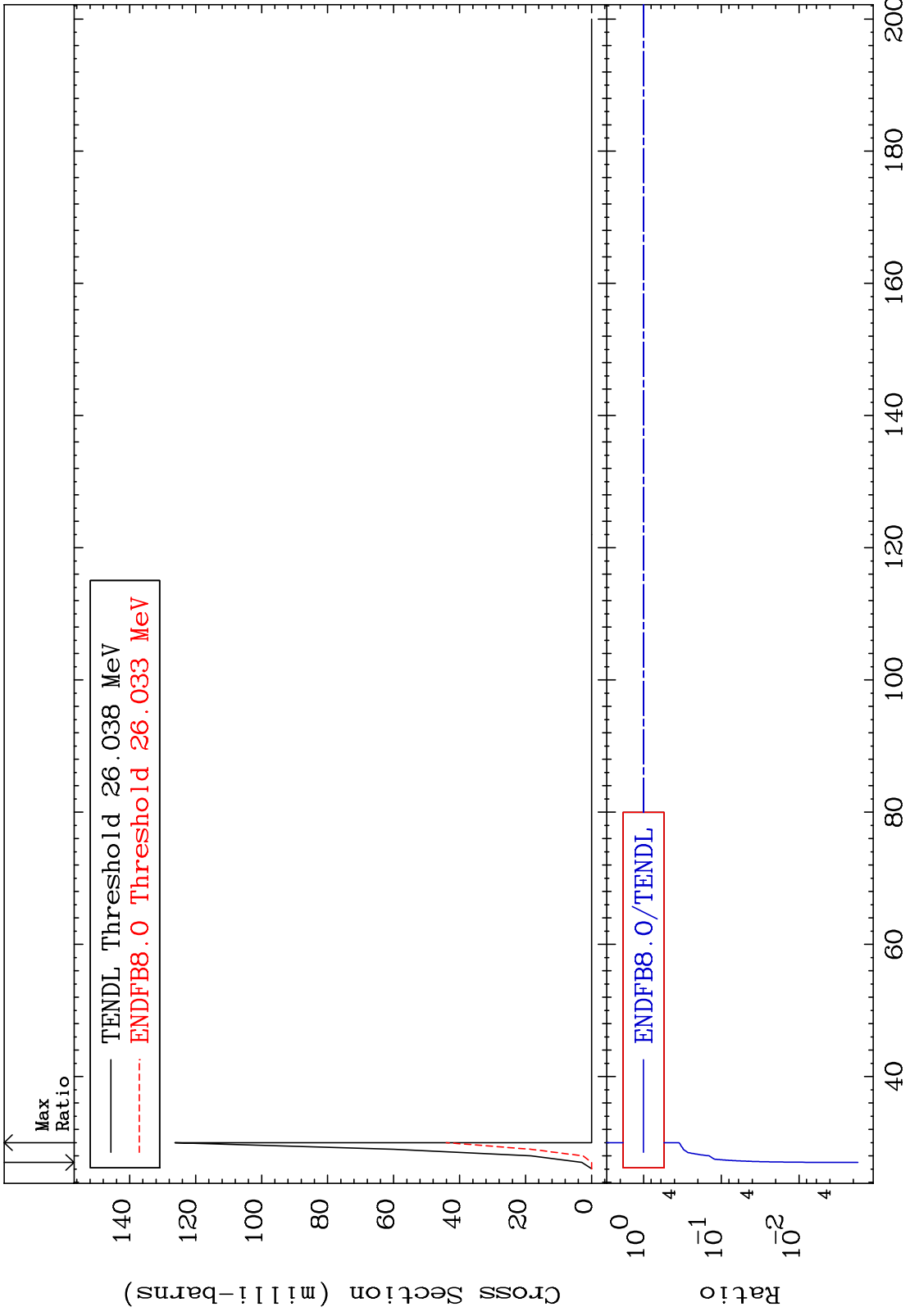
MAT 5325 $(n, n') \alpha$ 53-I -127
 Cross Section -84.30 To 9999. %



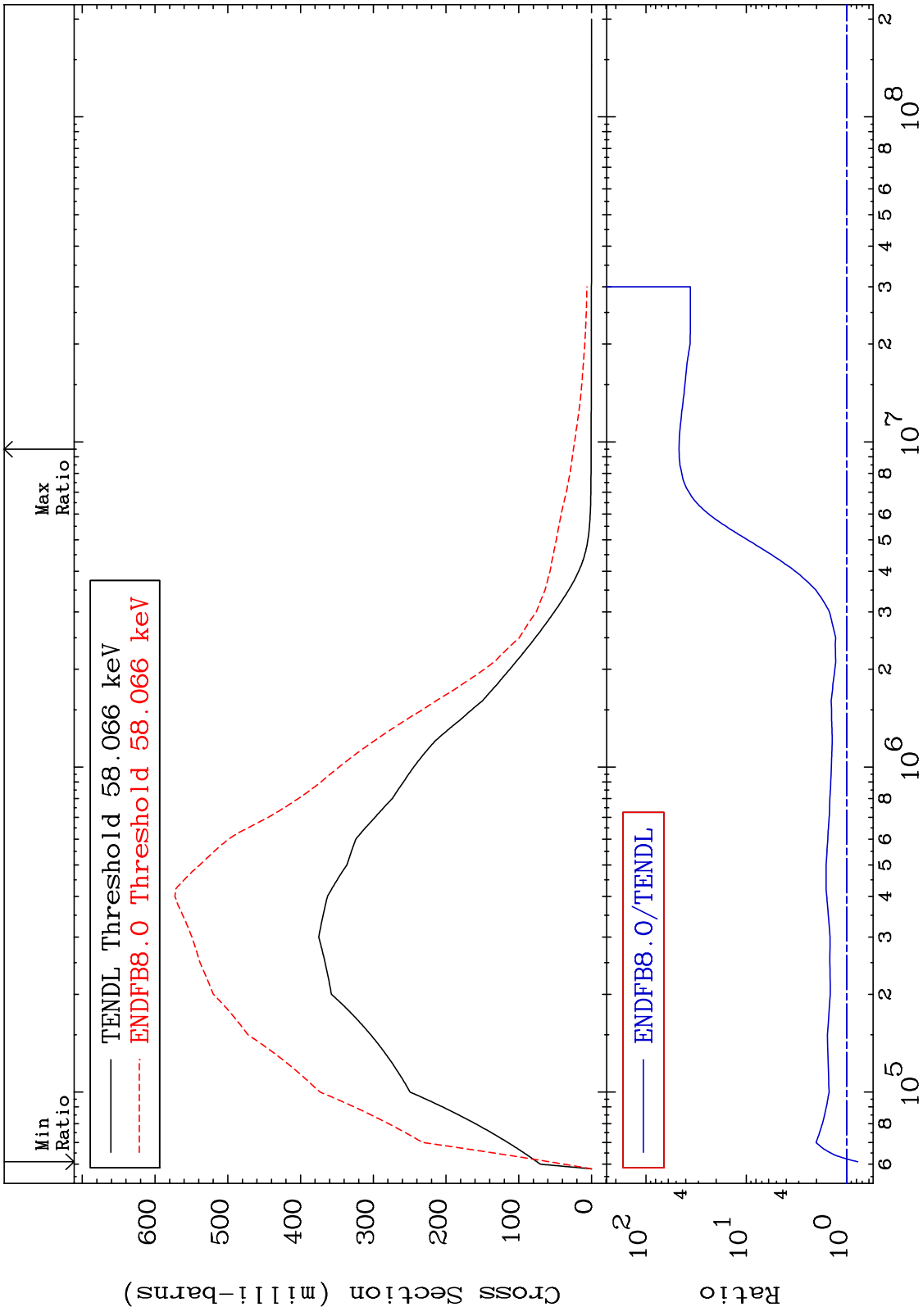
MAT 5325 (n,n') p 53-I -127
 Cross Section -48.54 To 9999. %



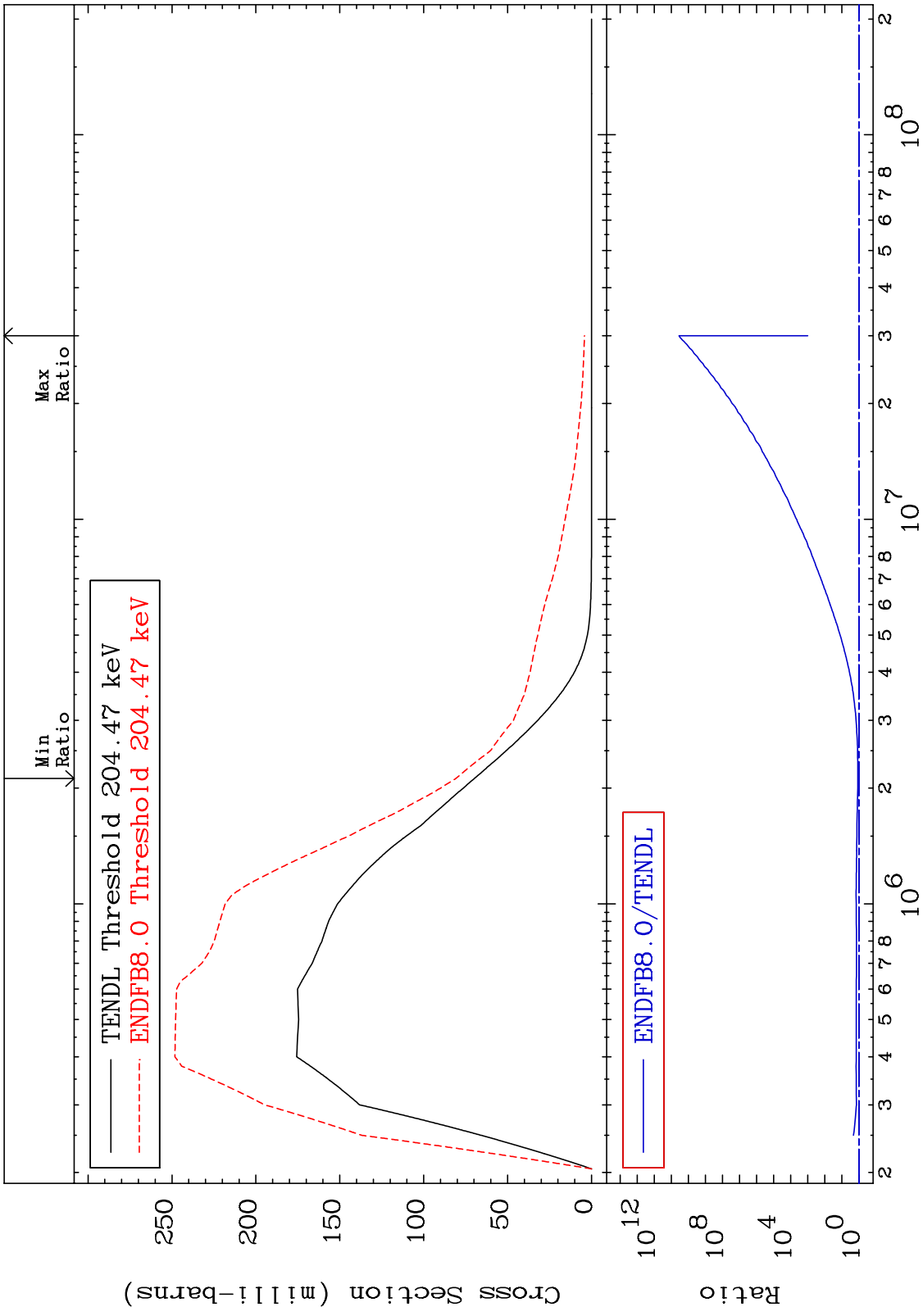
7 Incident Energy (eV) 53-I -127



MAT 5325 MT= 51 (n,n') Level Cross Section 53-I -127
 -22.64 To 4576. %

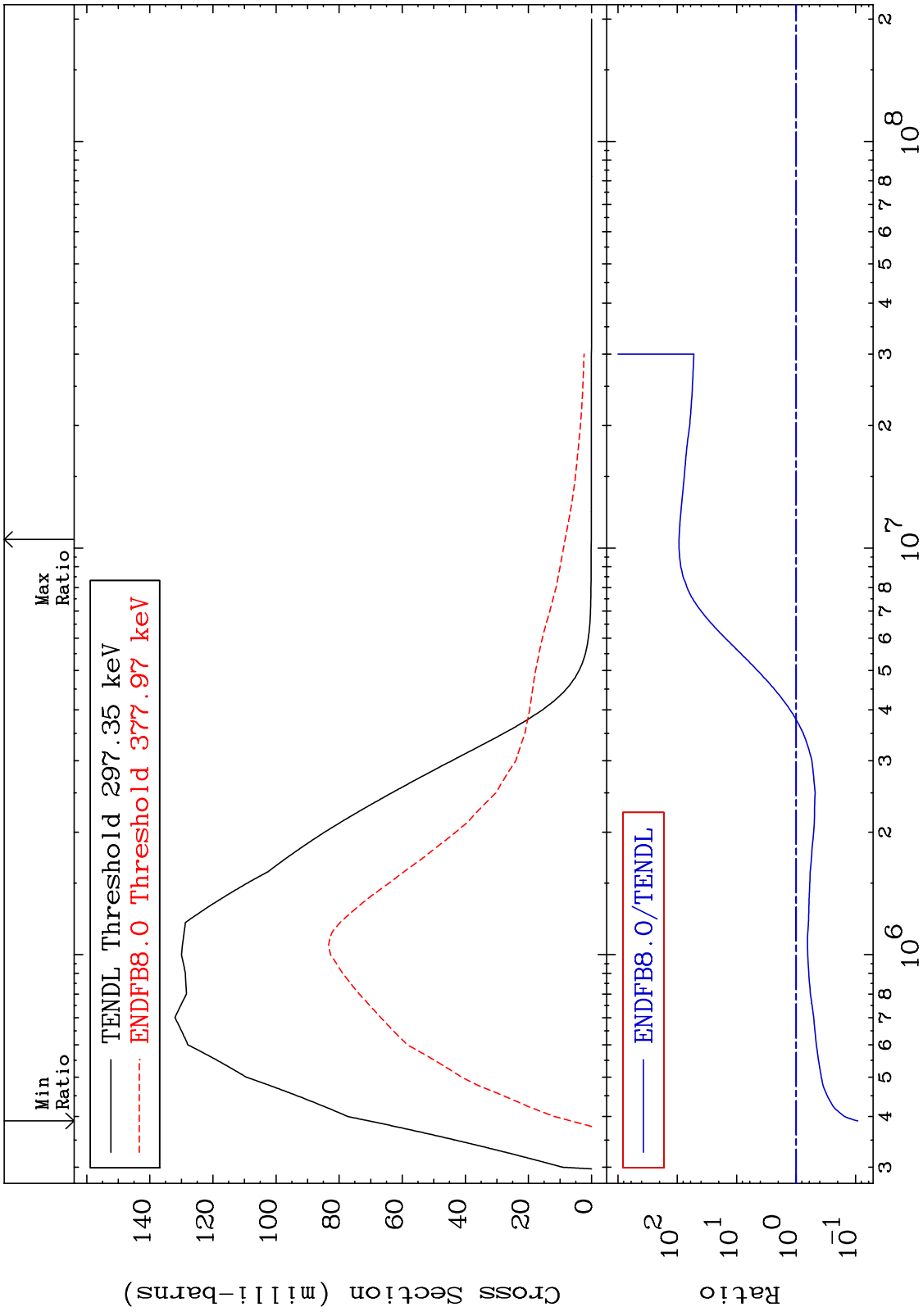


MAT 5325 MT= 52 (n,n') Level Cross Section 53-I -127
 15.68 To 9999. %

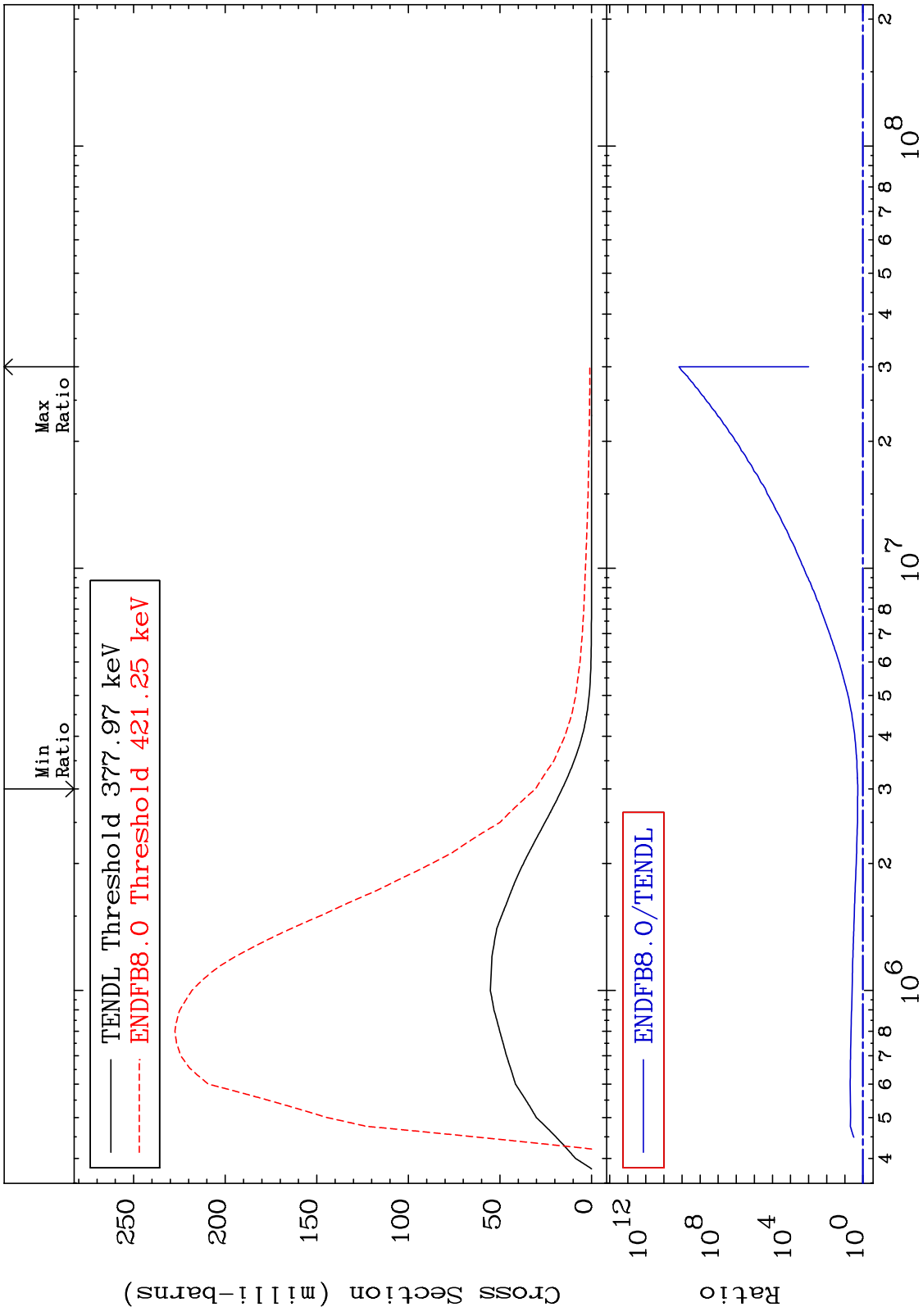


10 53-I -127

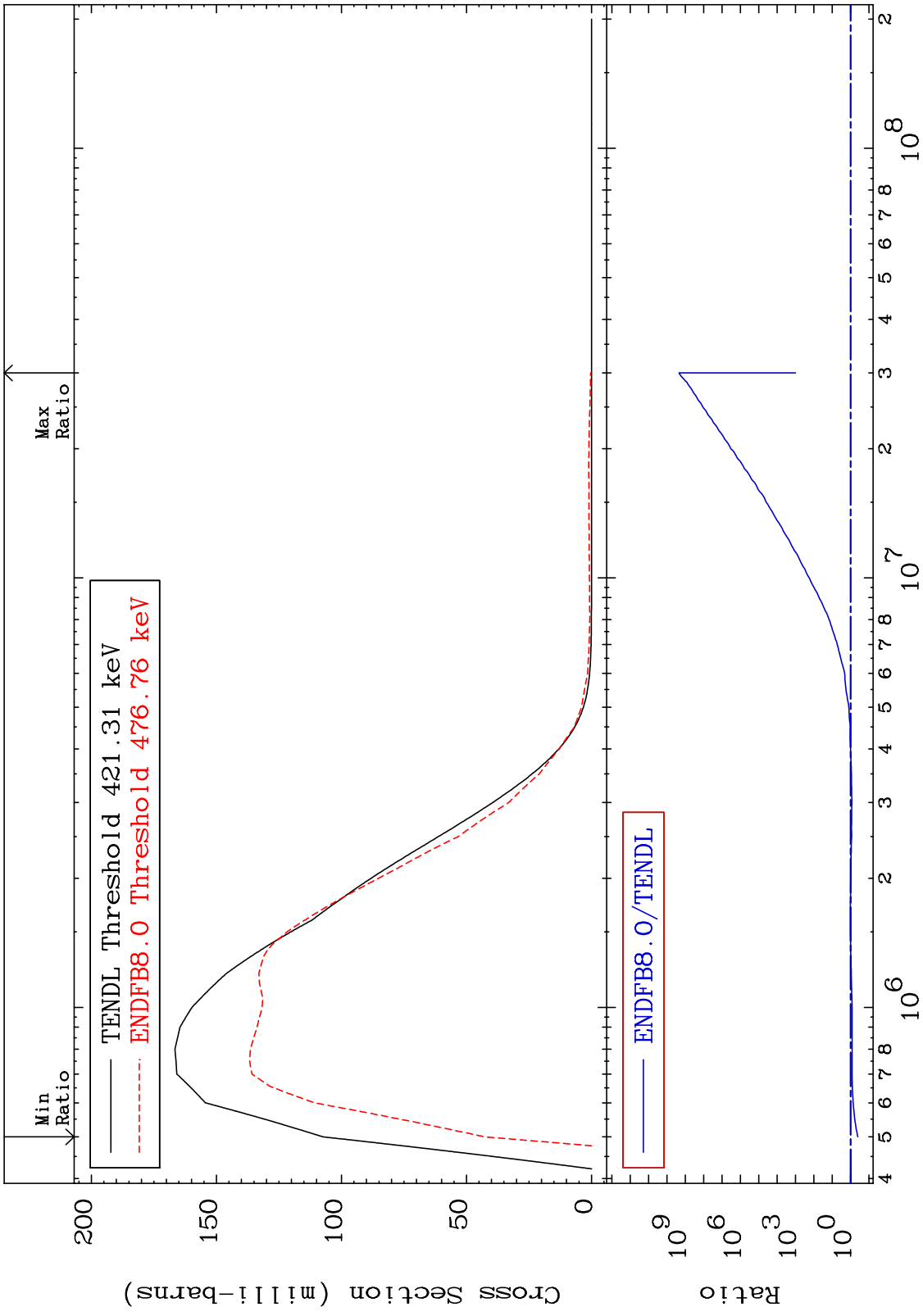
MAT 5325 MT= 53 (n,n') Level Cross Section 53-I -127
 -90.86 To 9250. %



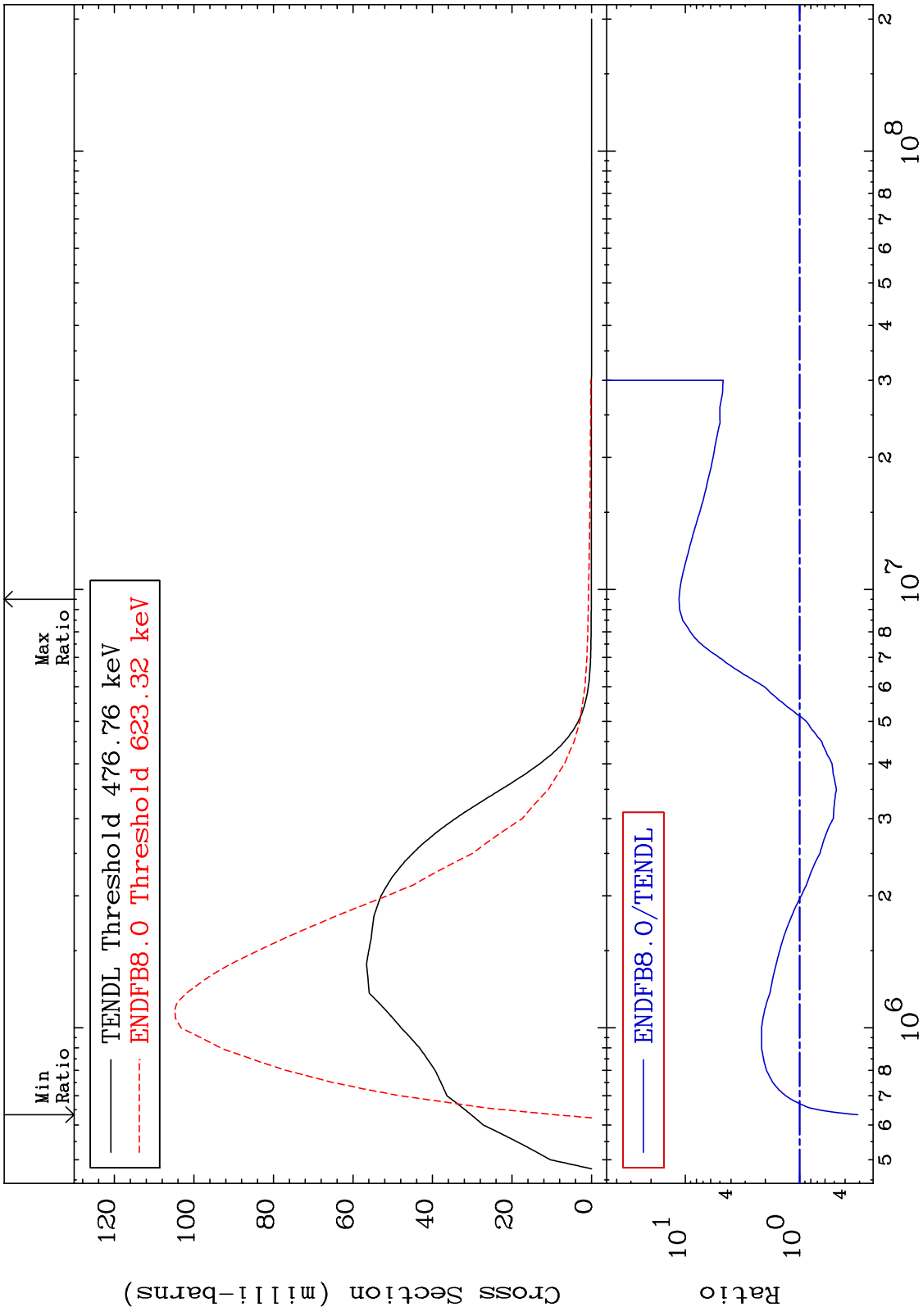
MAT 5325 MT= 54 (n,n') Level Cross Section 53-I -127
 90.89 To 9999. %



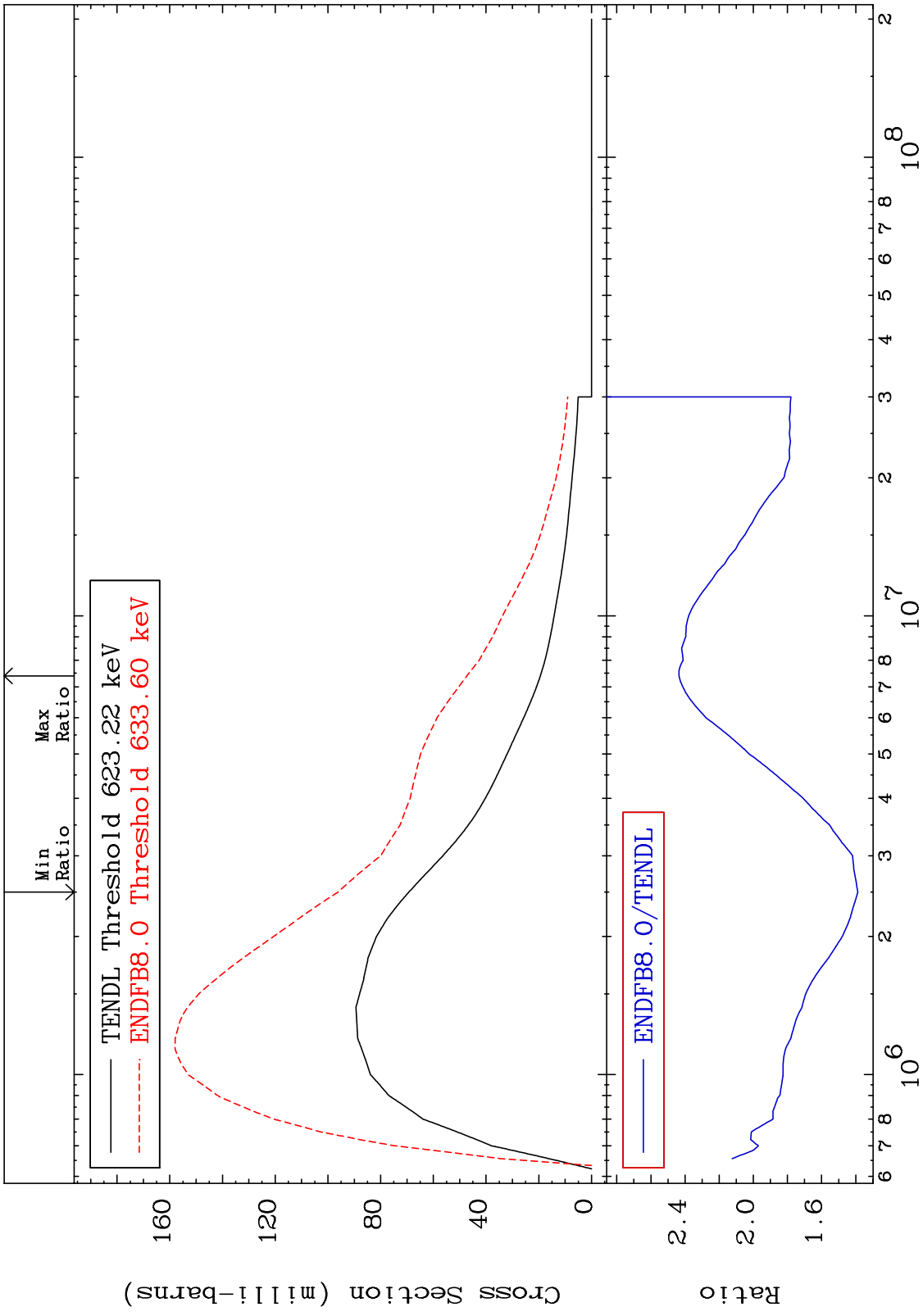
MAT 5325 MT= 55 (n,n') Level Cross Section 53-I -127
 -60.25 To 9999. %



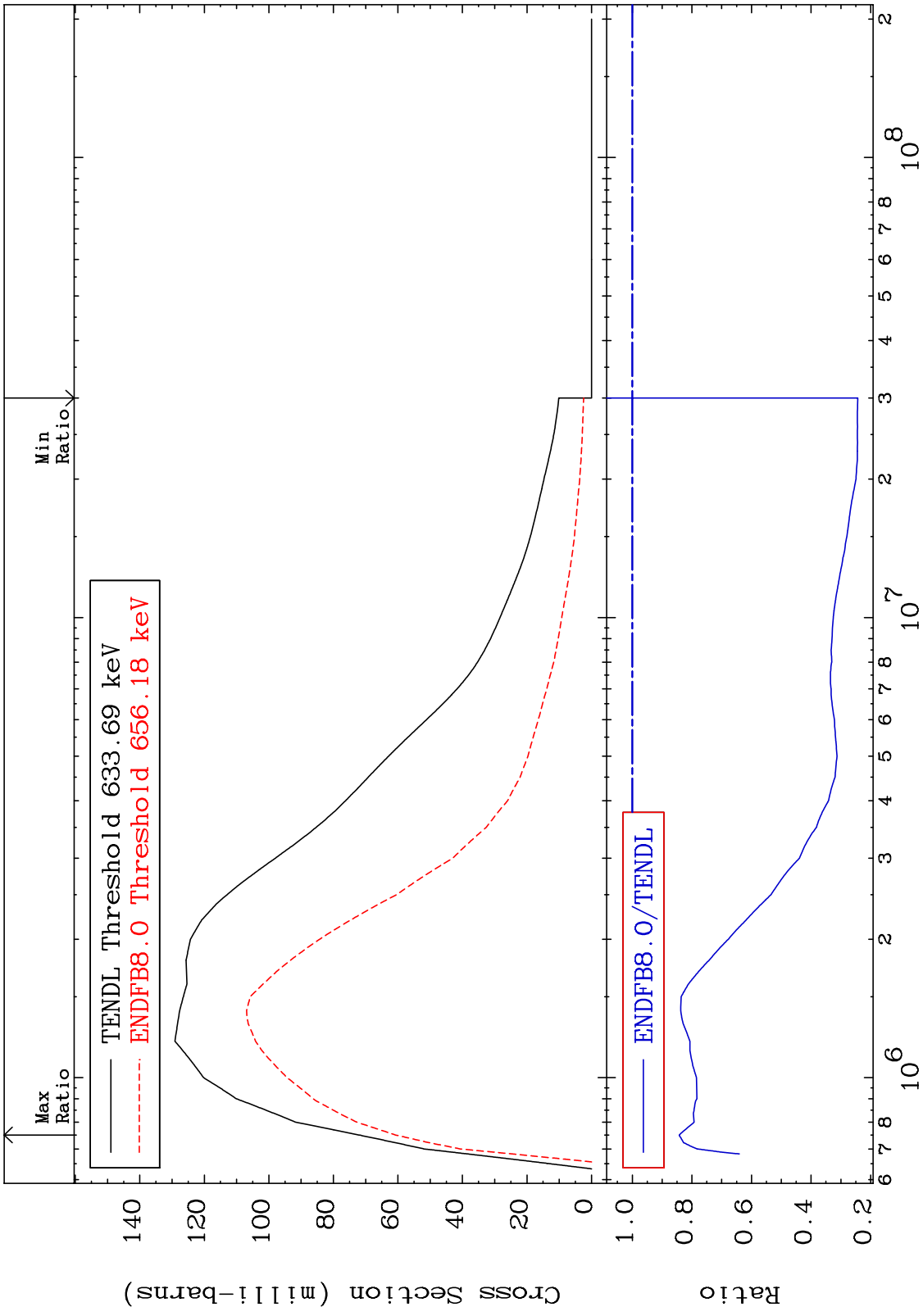
MAT 5325 MT= 56 (n,n') Level Cross Section 53-I -127
 -69.01 To 1037. %



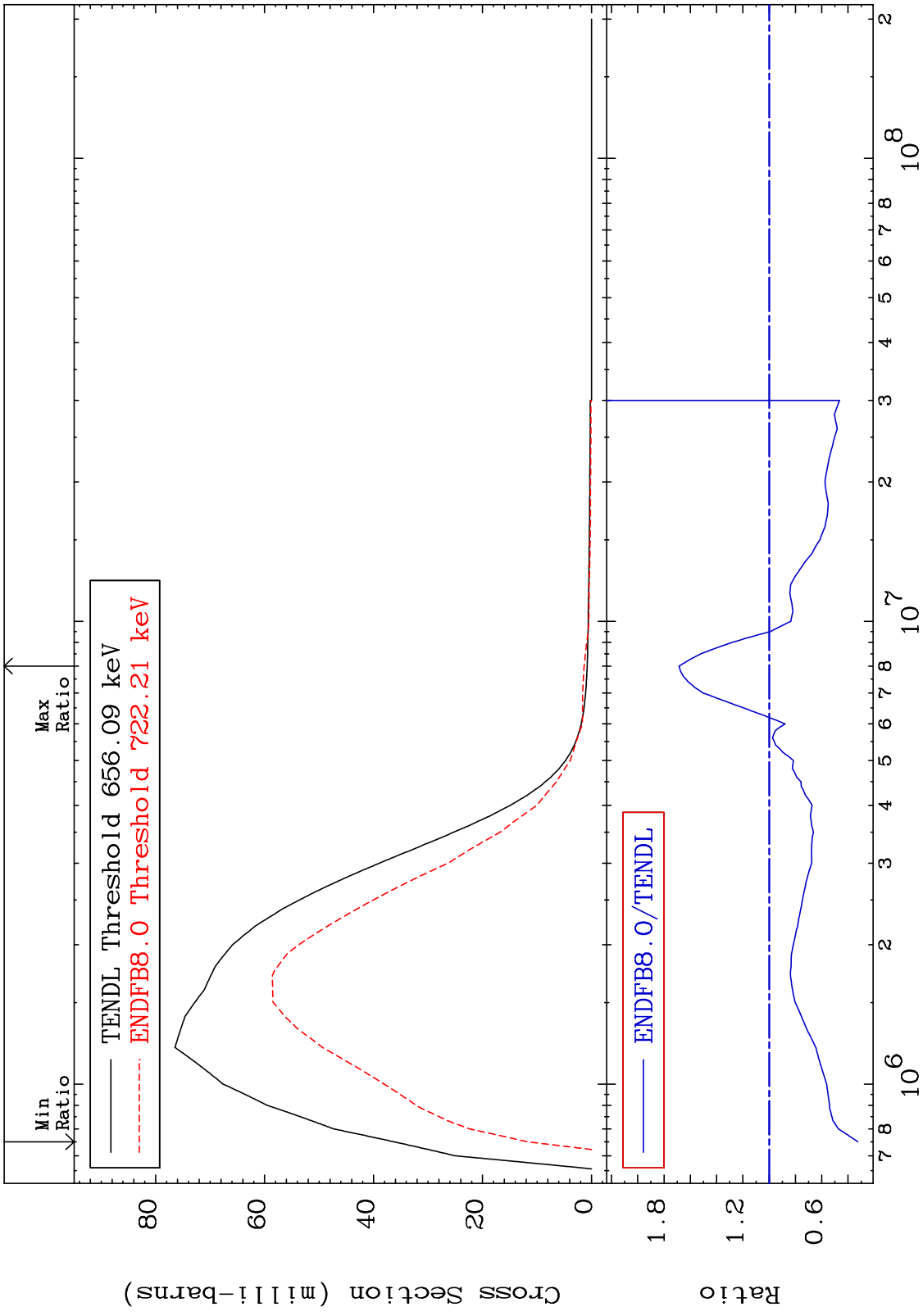
MAT 5325 MT= 57 (n,n') Level Cross Section 53-I -127 38.77 To 143.5 %



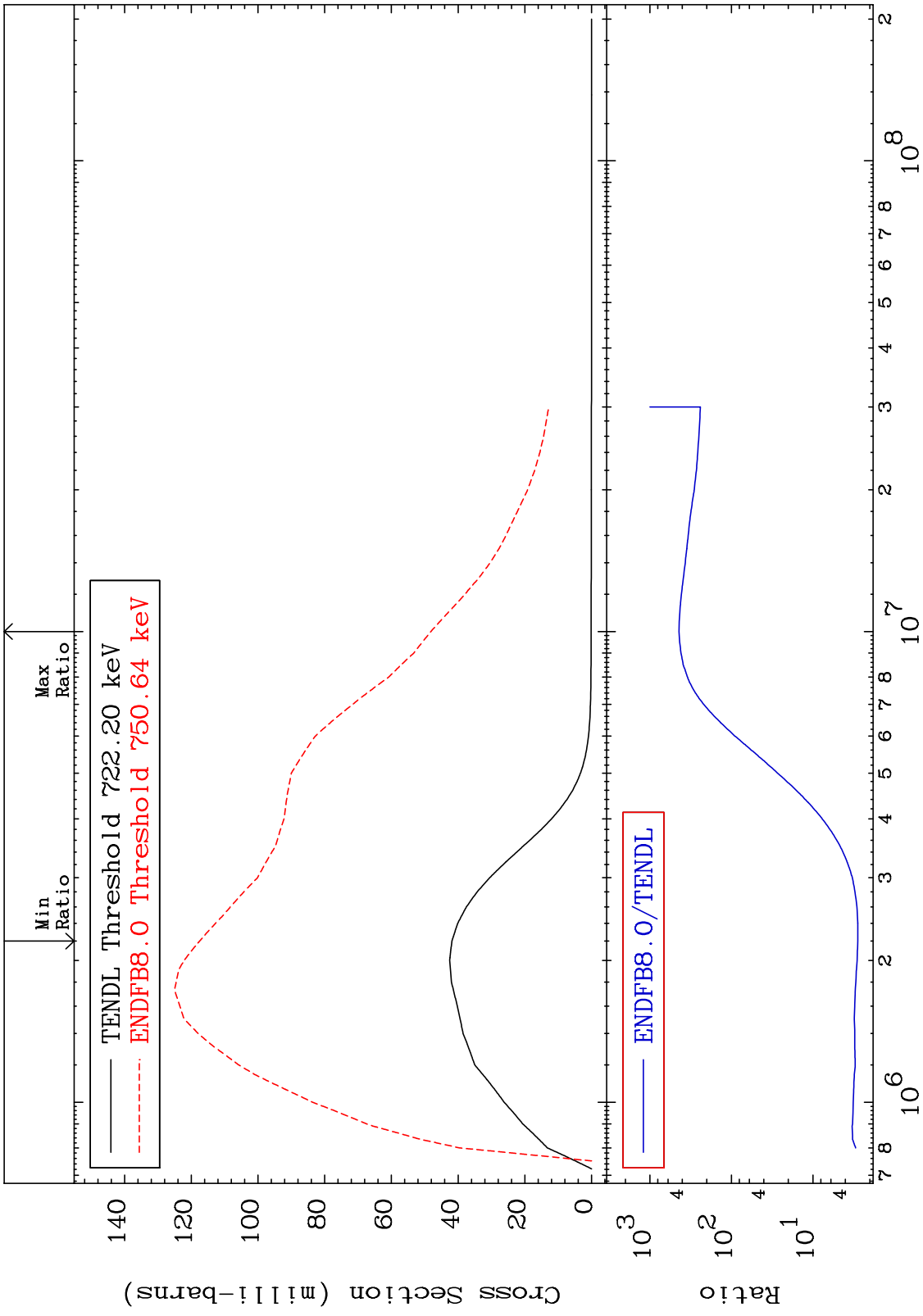
MAT 5325 MT= 58 (n,n') Level Cross Section 53-I -127
 -75.70 To -15.68%



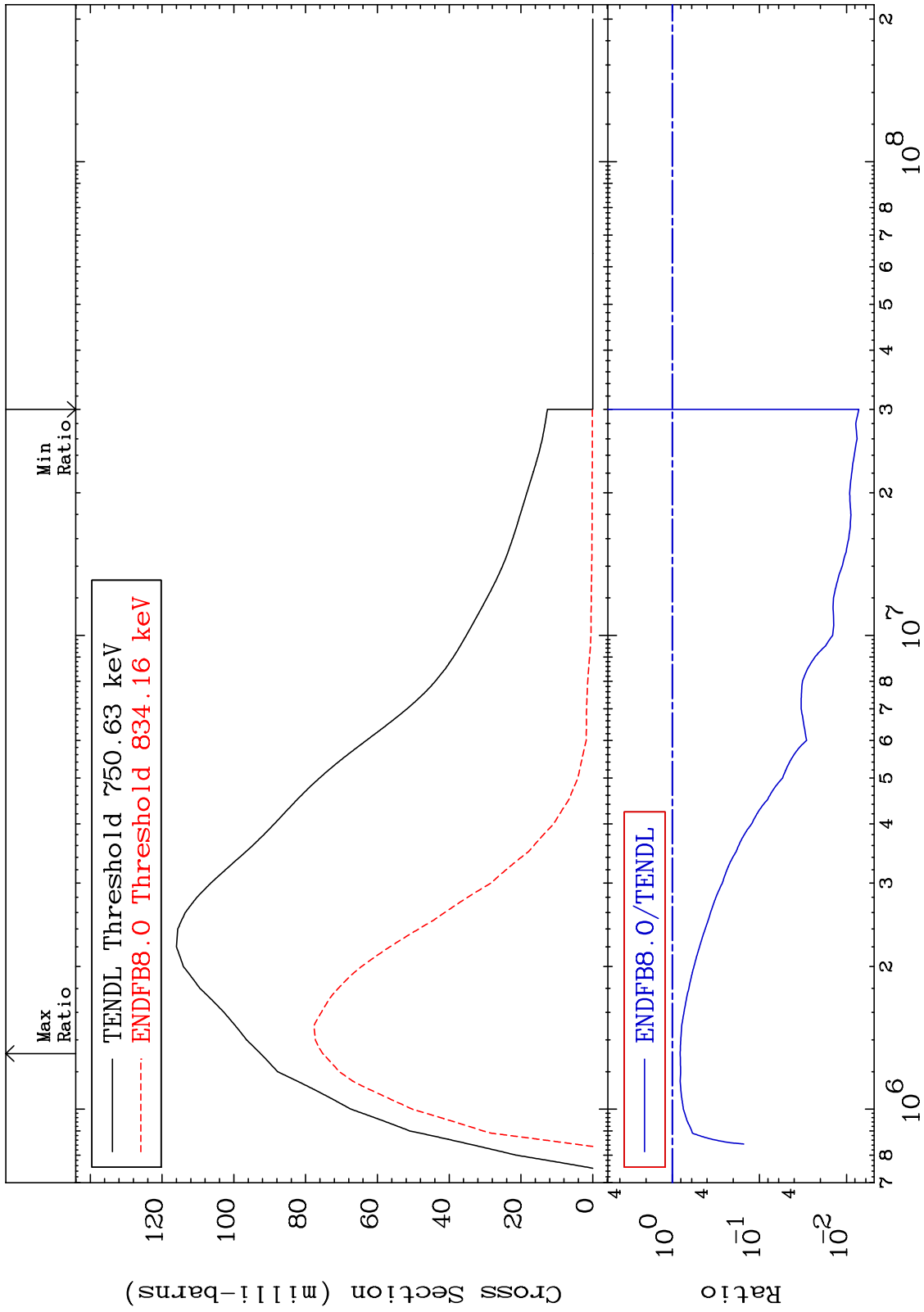
MAT 5325 MT= 59 (n,n') Level Cross Section 53-I -127
 -67.45 To 68.57 %



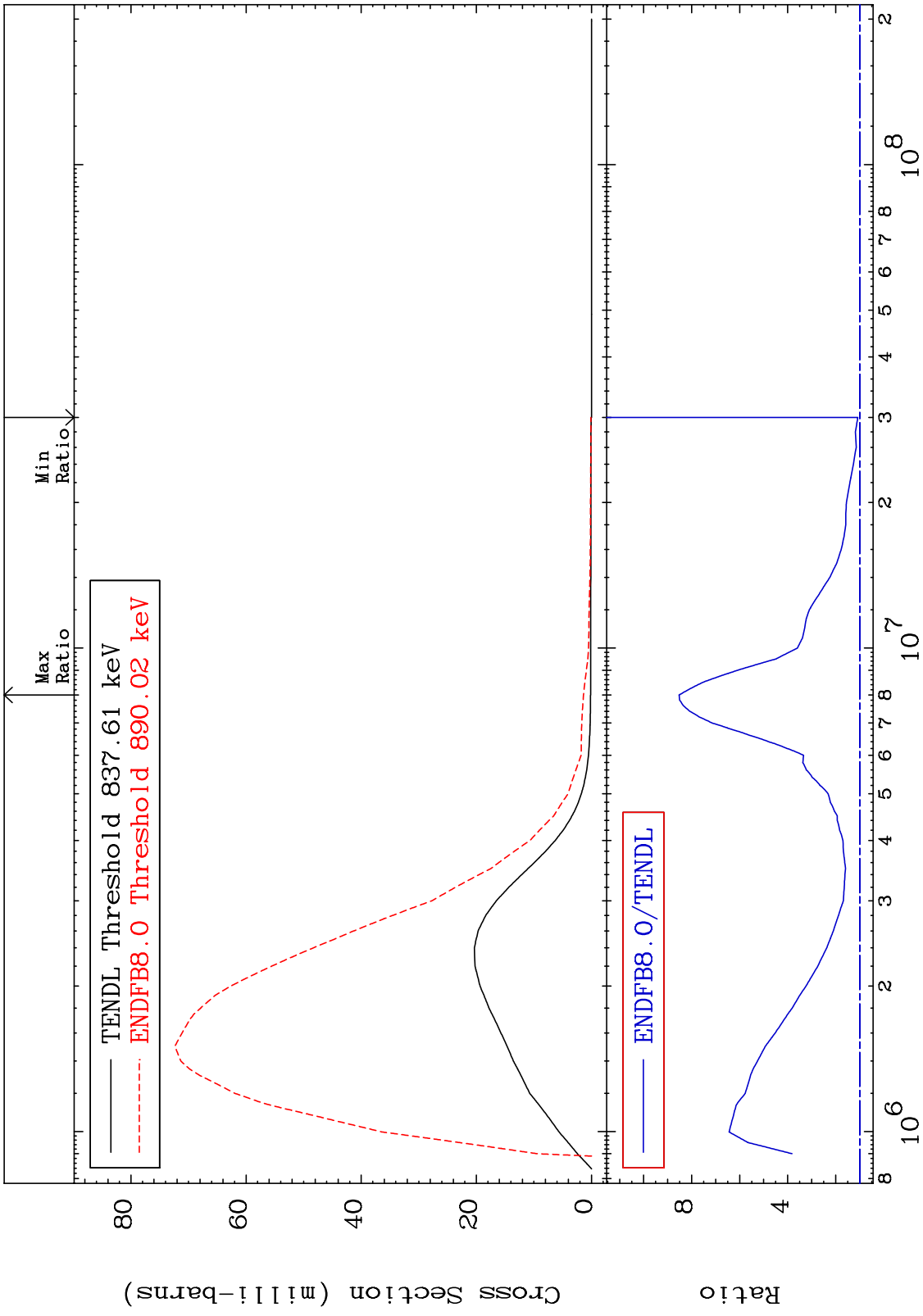
MAT 5325 MT= 60 (n,n') Level Cross Section 53-I -127
 180.8 To 9999. %



MAT 5325 MT= 61 (n,n') Level Cross Section 53-I -127
 -99.28 To -18.76%

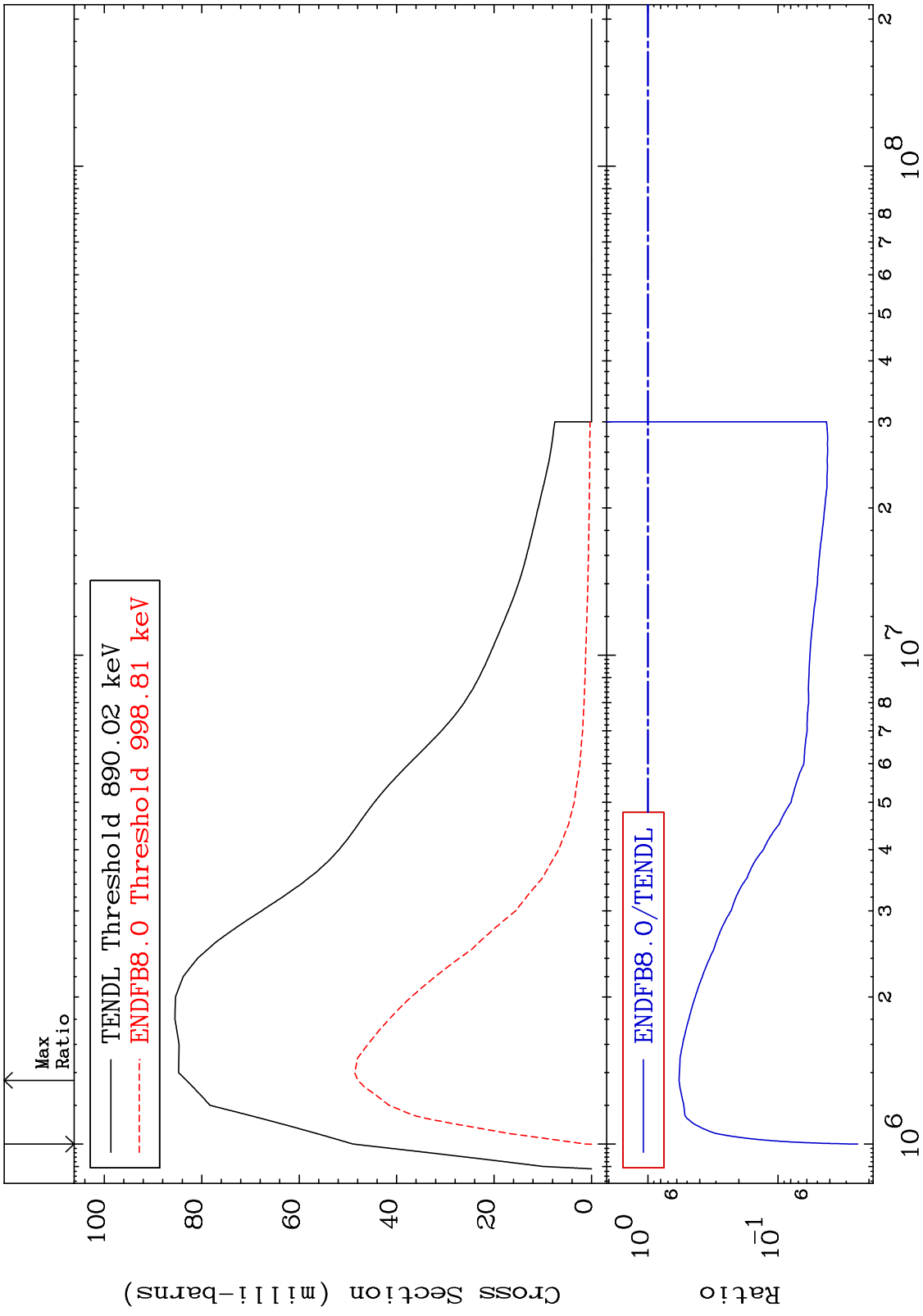


MAT 5325 MT= 62 (n,n') Level Cross Section 53-I -127 7.645 To 752.6 %

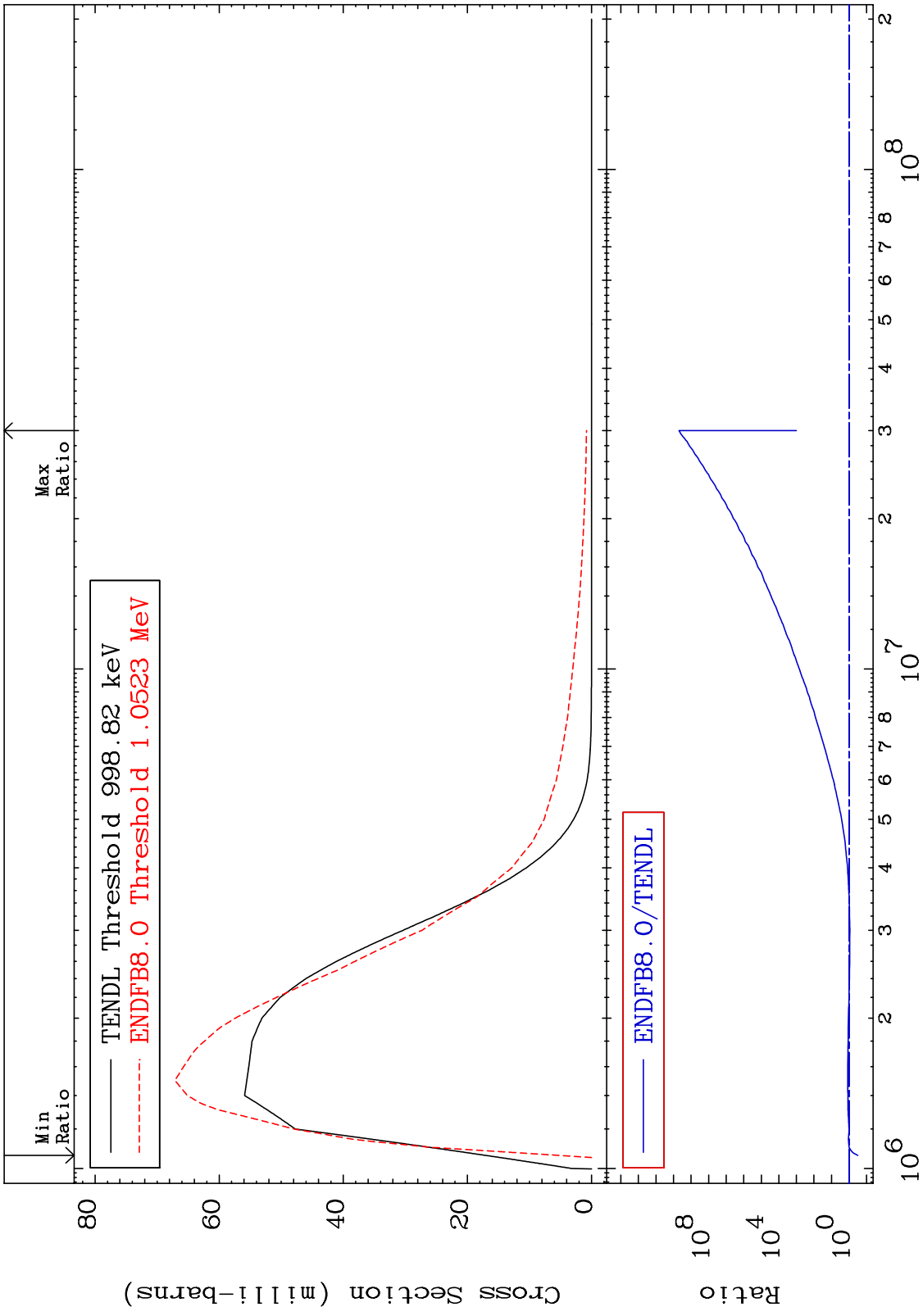


20 Incident Energy (eV) 53-I -127

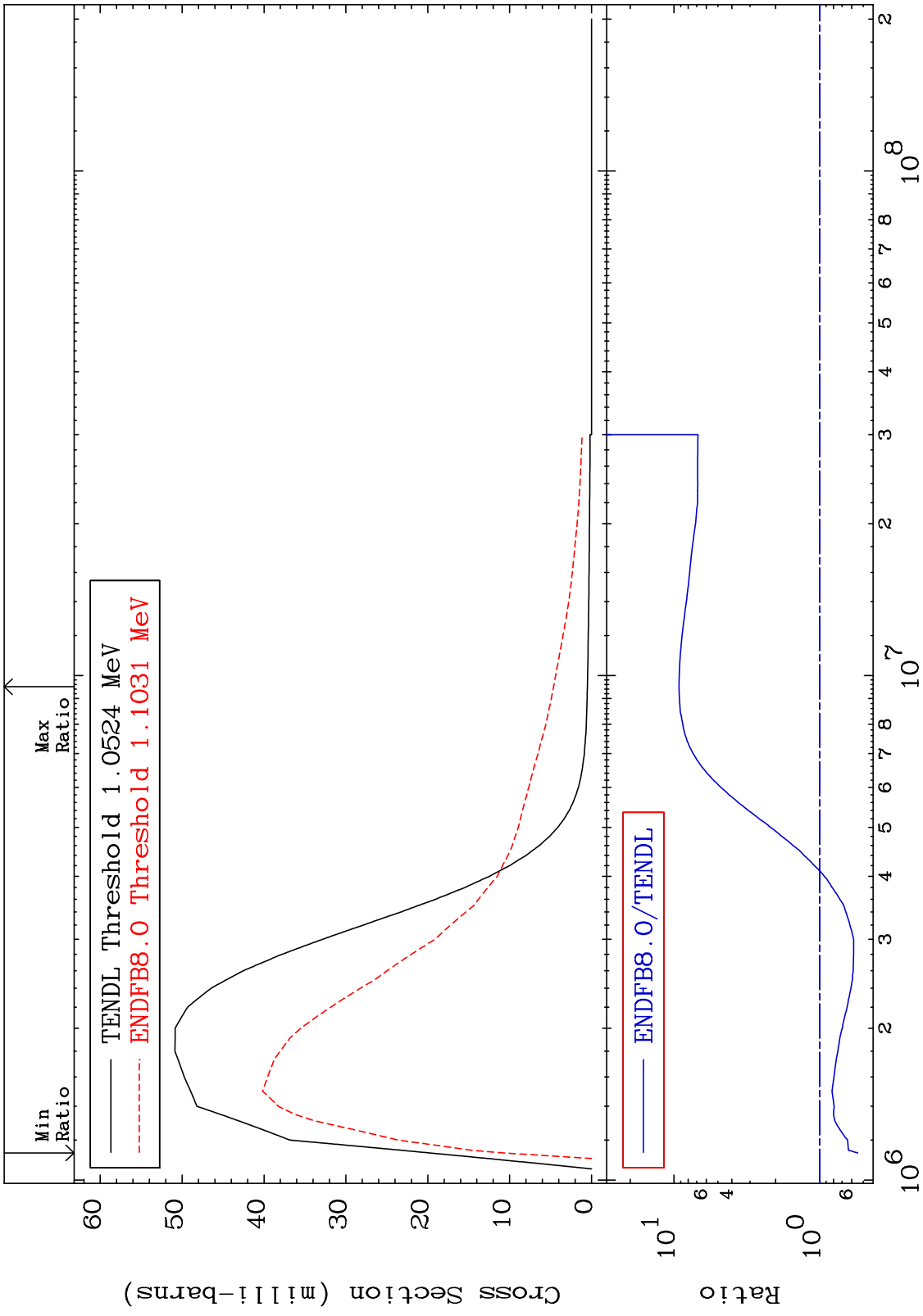
MAT 5325 MT= 63 (n,n') Level Cross Section 53-I -127 -97.56 To -42.29%



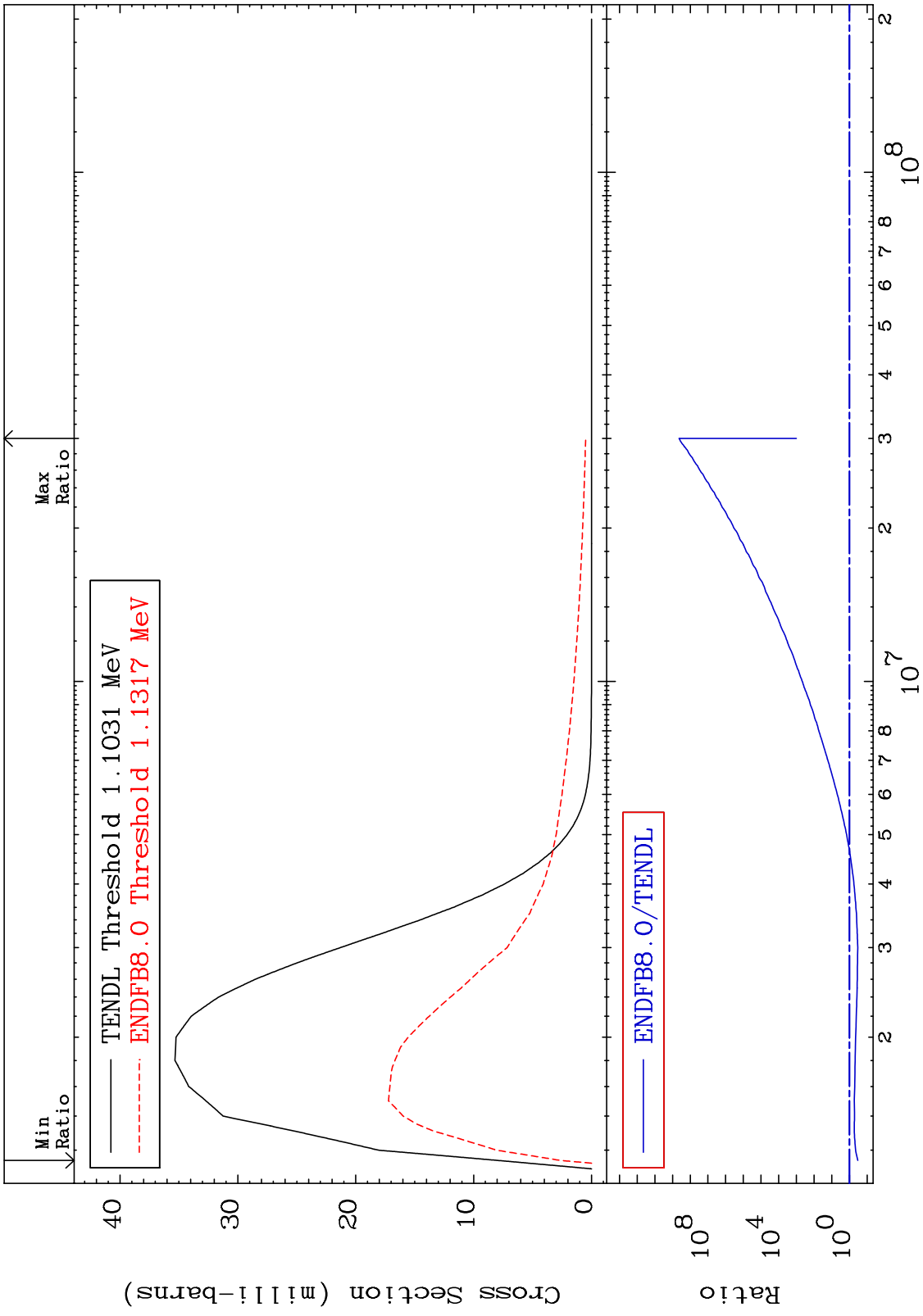
MAT 5325 MT= 64 (n,n') Level Cross Section 53-I -127
 -68.34 To 9999. %



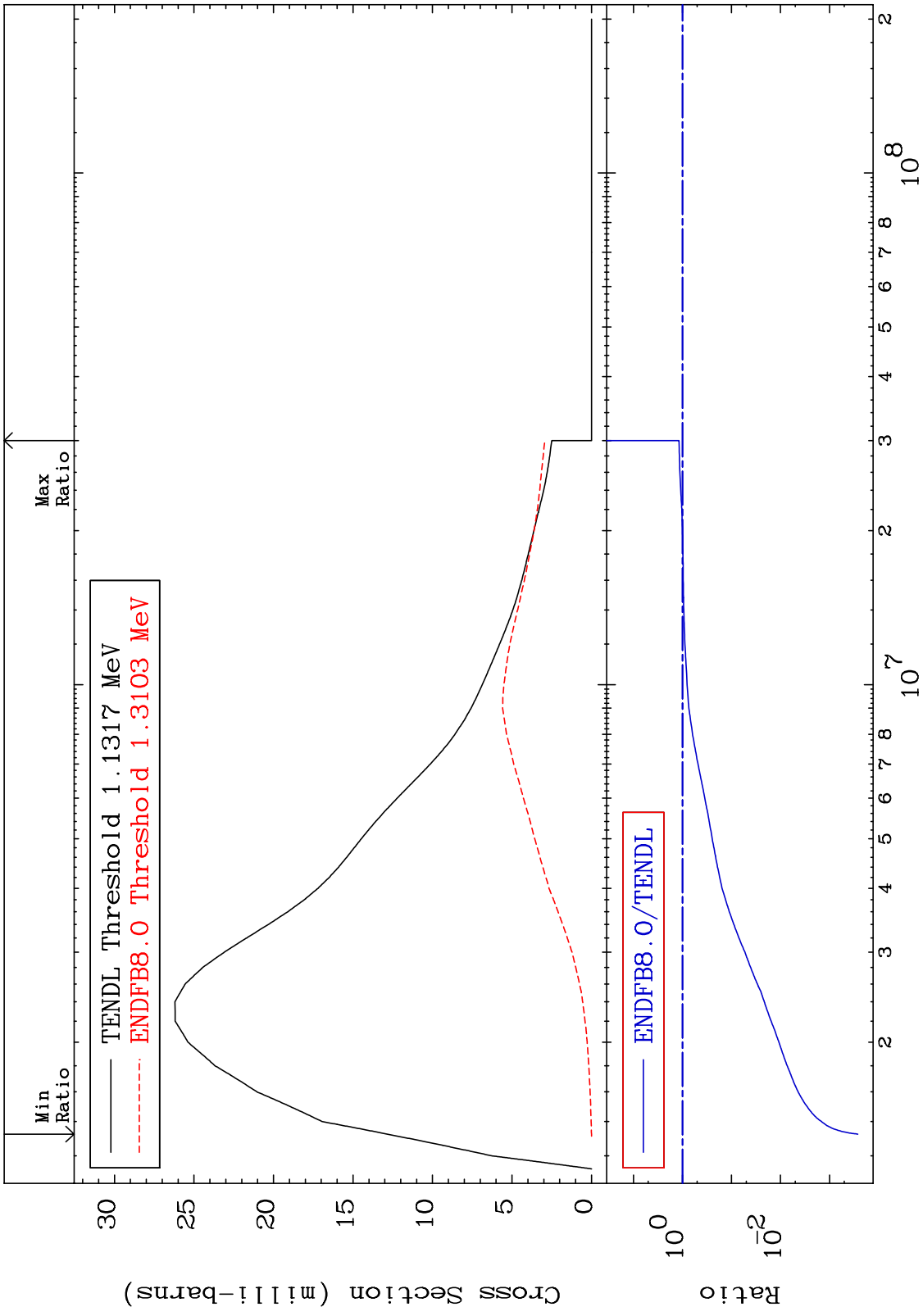
MAT 5325 MT= 65 (n,n') Level Cross Section 53-I -127
 -45.53 To 824.1 %



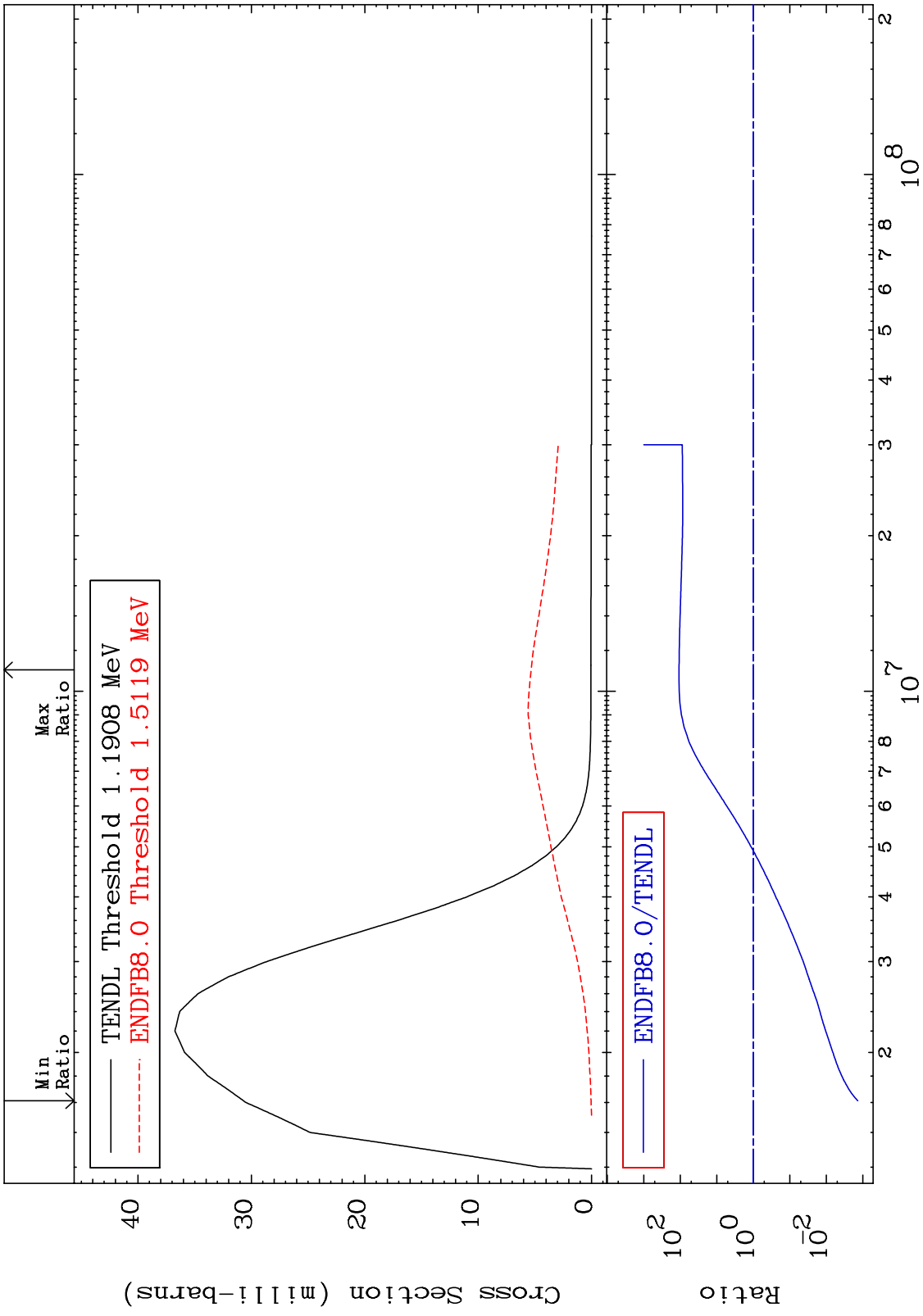
MAT 5325 MT= 66 (n,n') Level Cross Section 53-I -127
 -66.66 To 9999. %



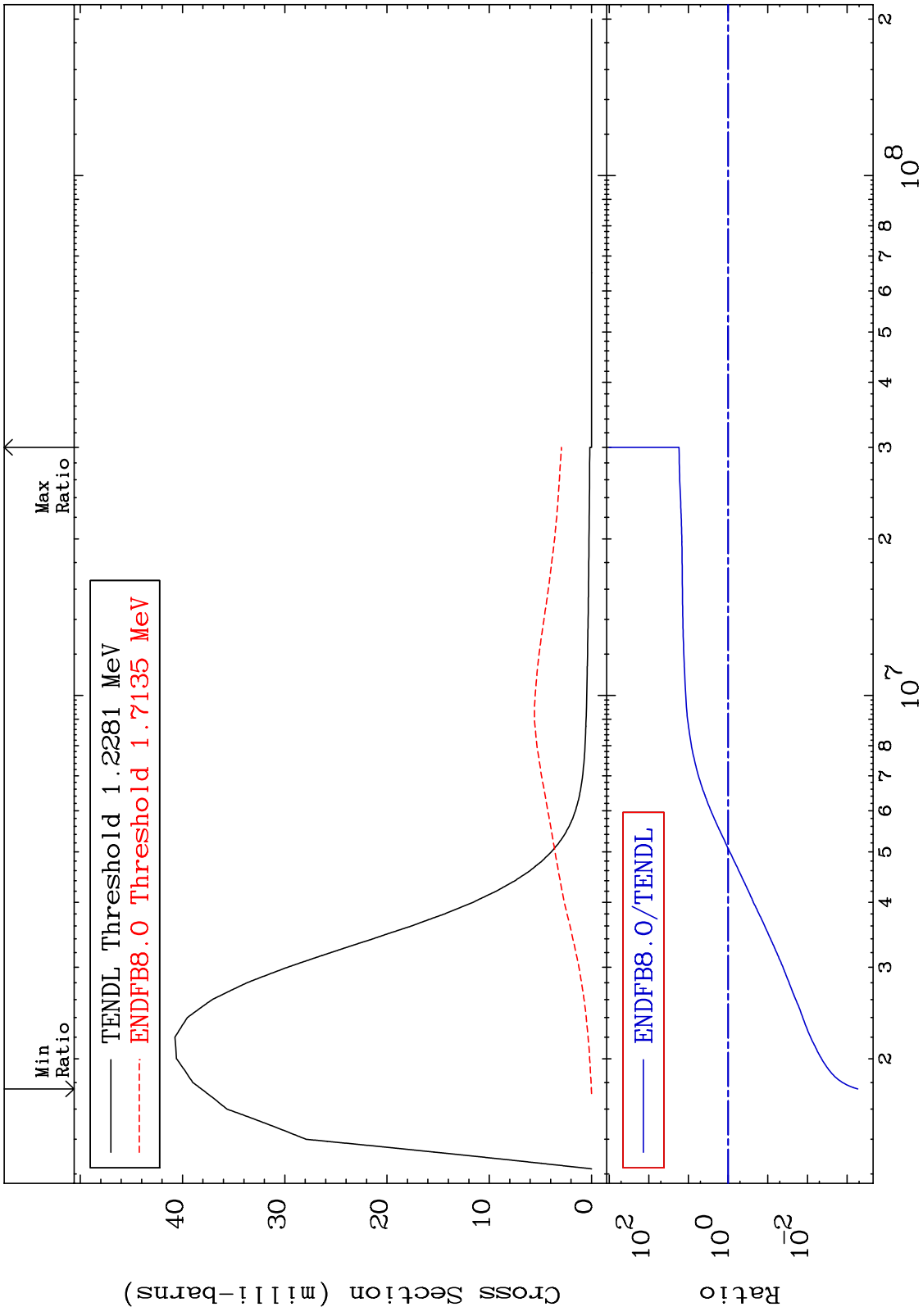
MAT 5325 MT= 67 (n,n') Level Cross Section 53-I -127
 -99.97 To 17.25 %



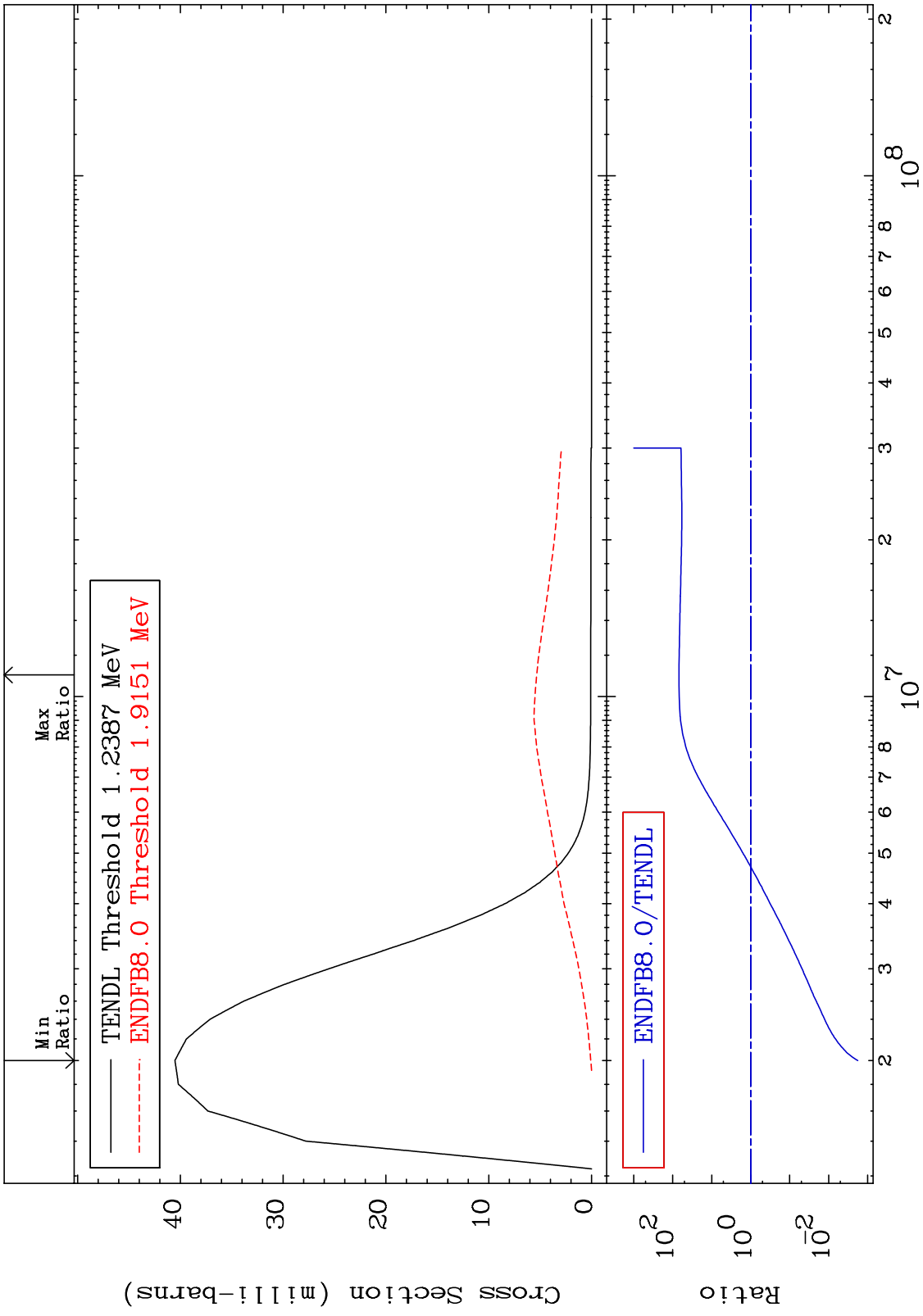
MAT 5325 MT= 68 (n,n') Level Cross Section 53-I -127
 -99.86 To 9999. %



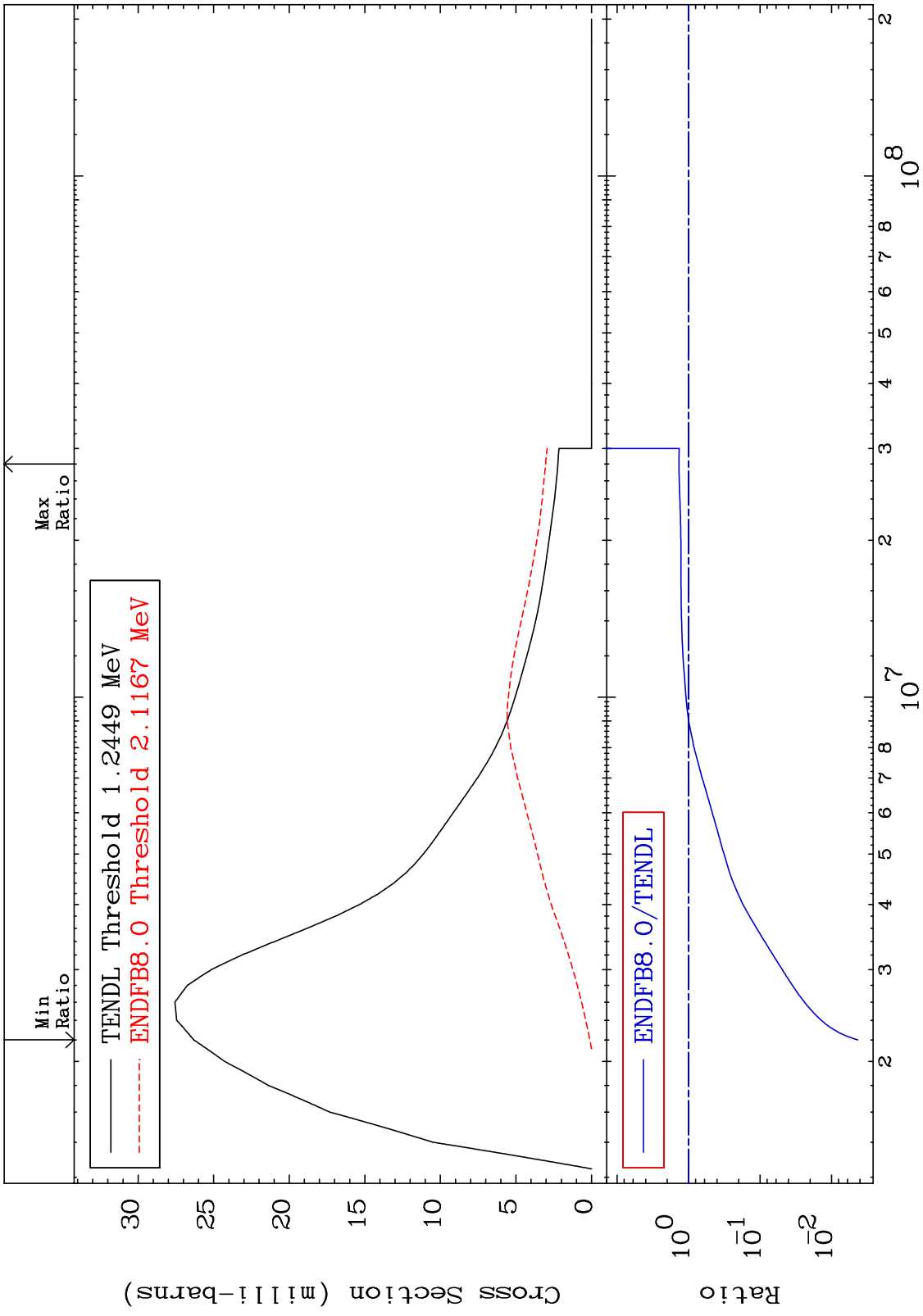
MAT 5325 MT= 69 (n,n') Level Cross Section 53-I -127
 -99.95 To 1628. %

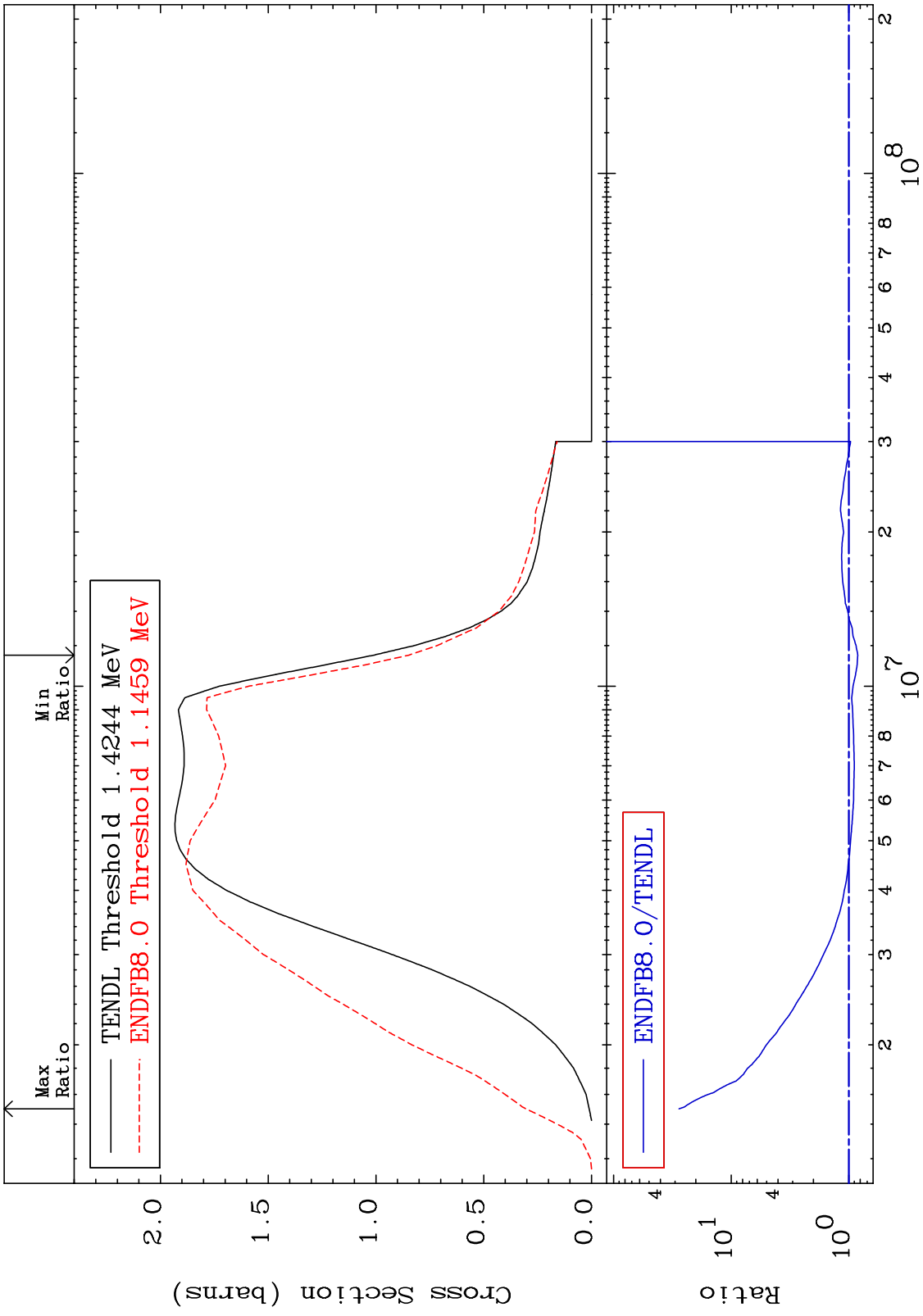


MAT 5325 MT= 70 (n,n') Level Cross Section 53-I -127
 -99.82 To 6781. %



MAT 5325 MT= 71 (n,n') Level Cross Section 53-I -127
 -99.57 To 36.39 %

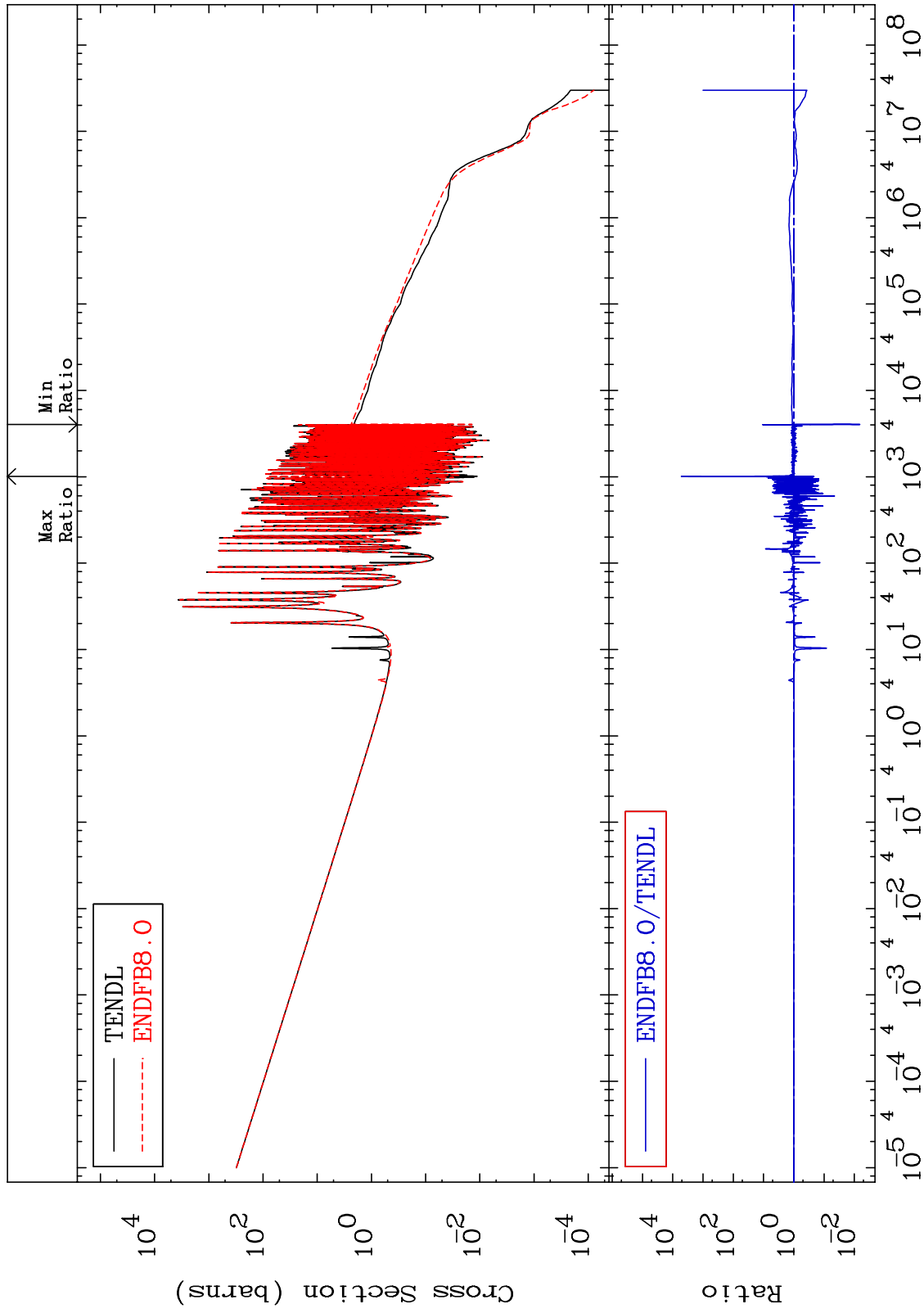




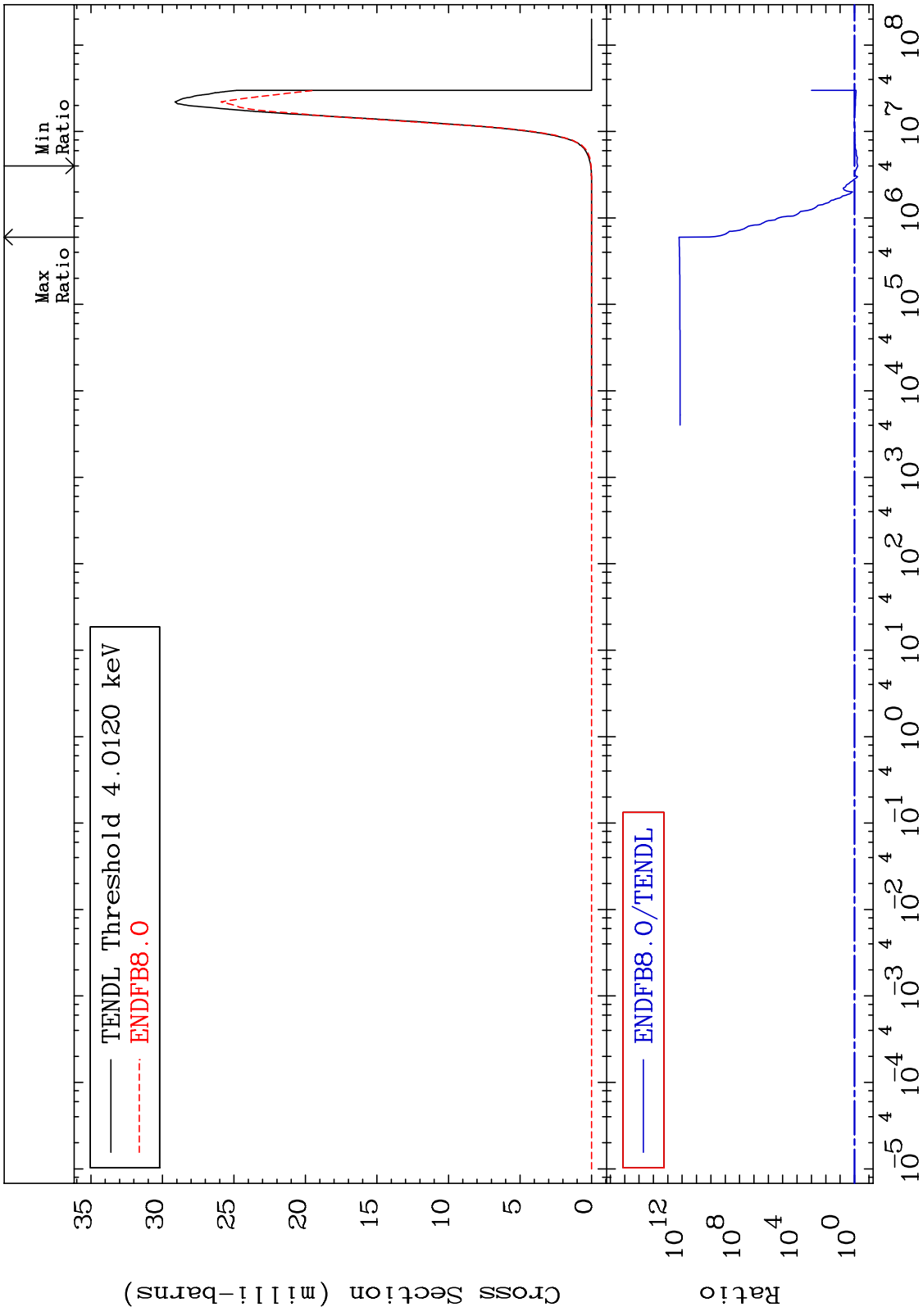
MAT 5325

(n, γ)
Cross Section

53-I -127
-99.34 To 9999. %



MAT 5325 (n,p) Cross Section 53-I -127
 -41.06 To 9999. %



MAT 5325

(n, α)

53-I -127

Cross Section

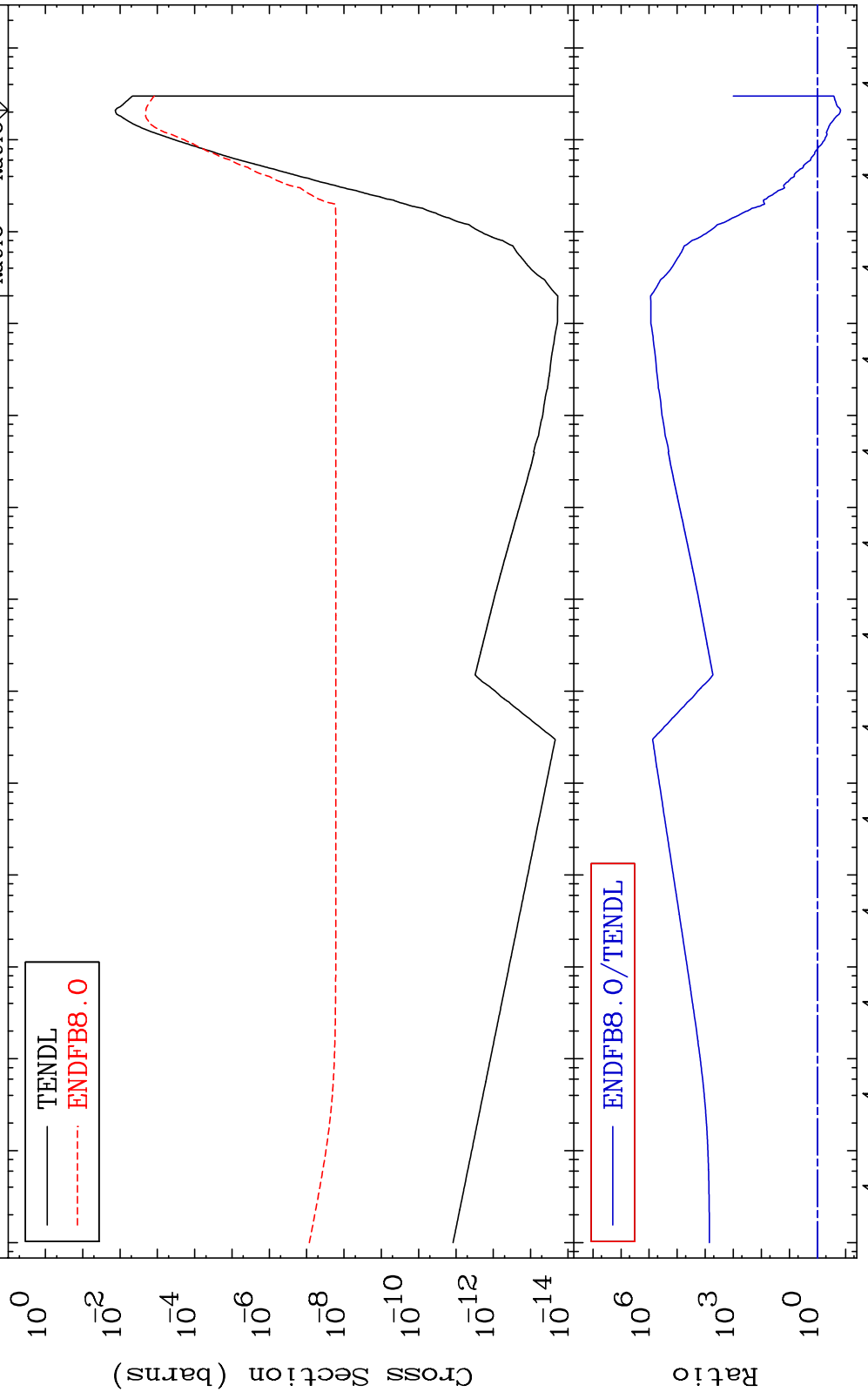
-84.87 To 9999. %

Max Ratio

Min Ratio

TENDL
ENDFB8.0

ENDFB8.0/TENDL



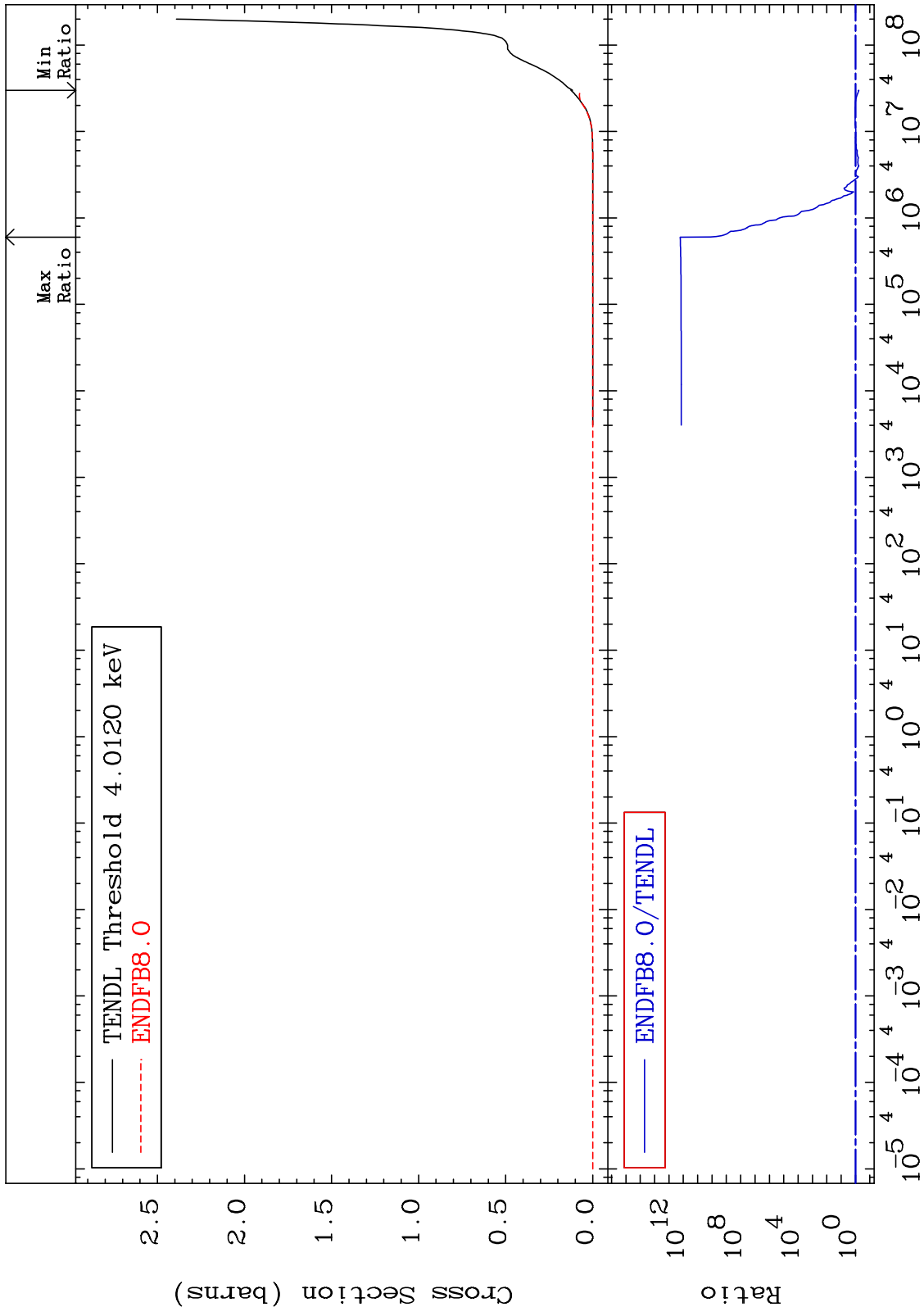
Incident Energy (eV)

53-I -127

MAT 5325

Hydrogen Production
Cross Section

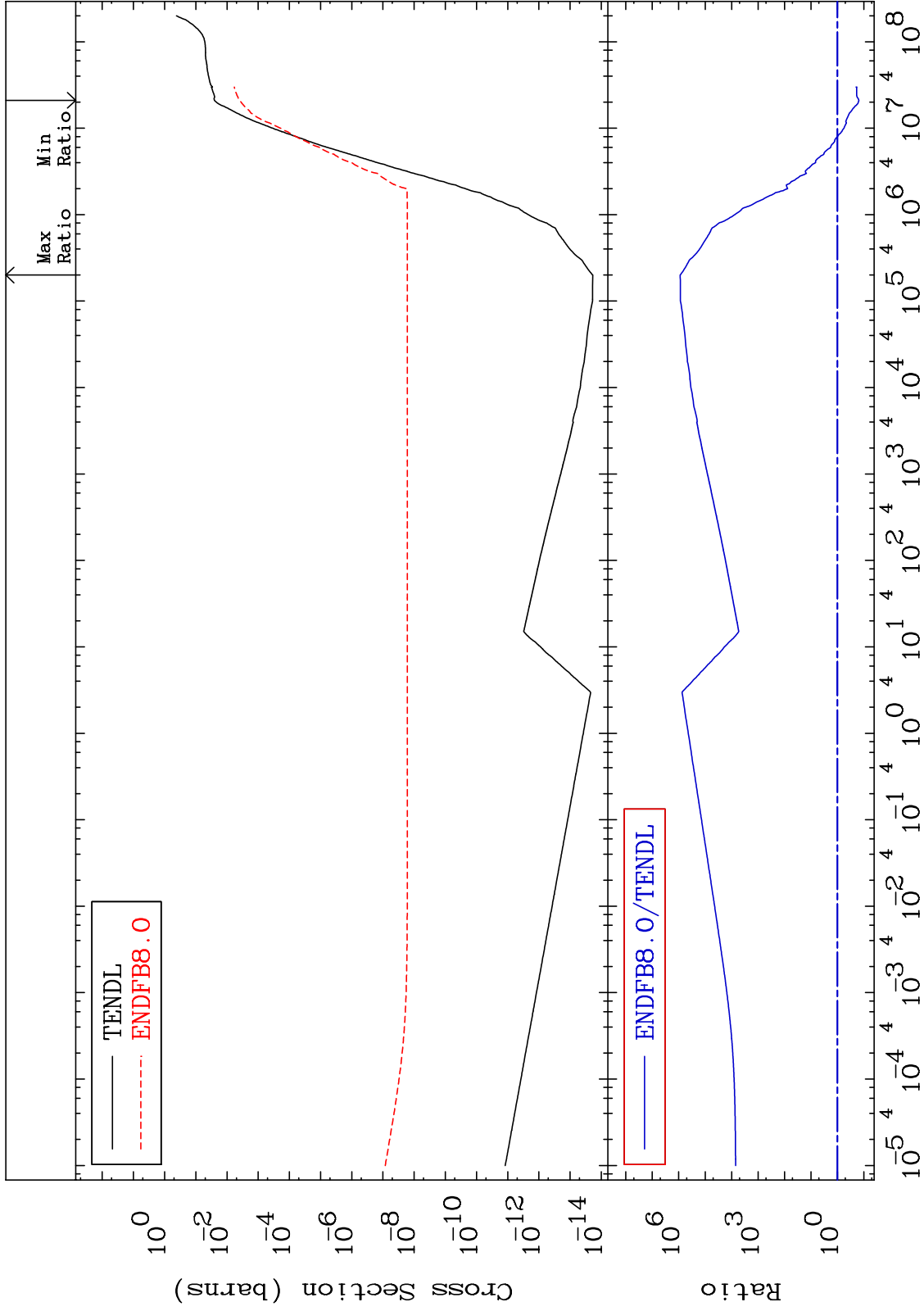
53-I -127
-42.15 To 9999. %



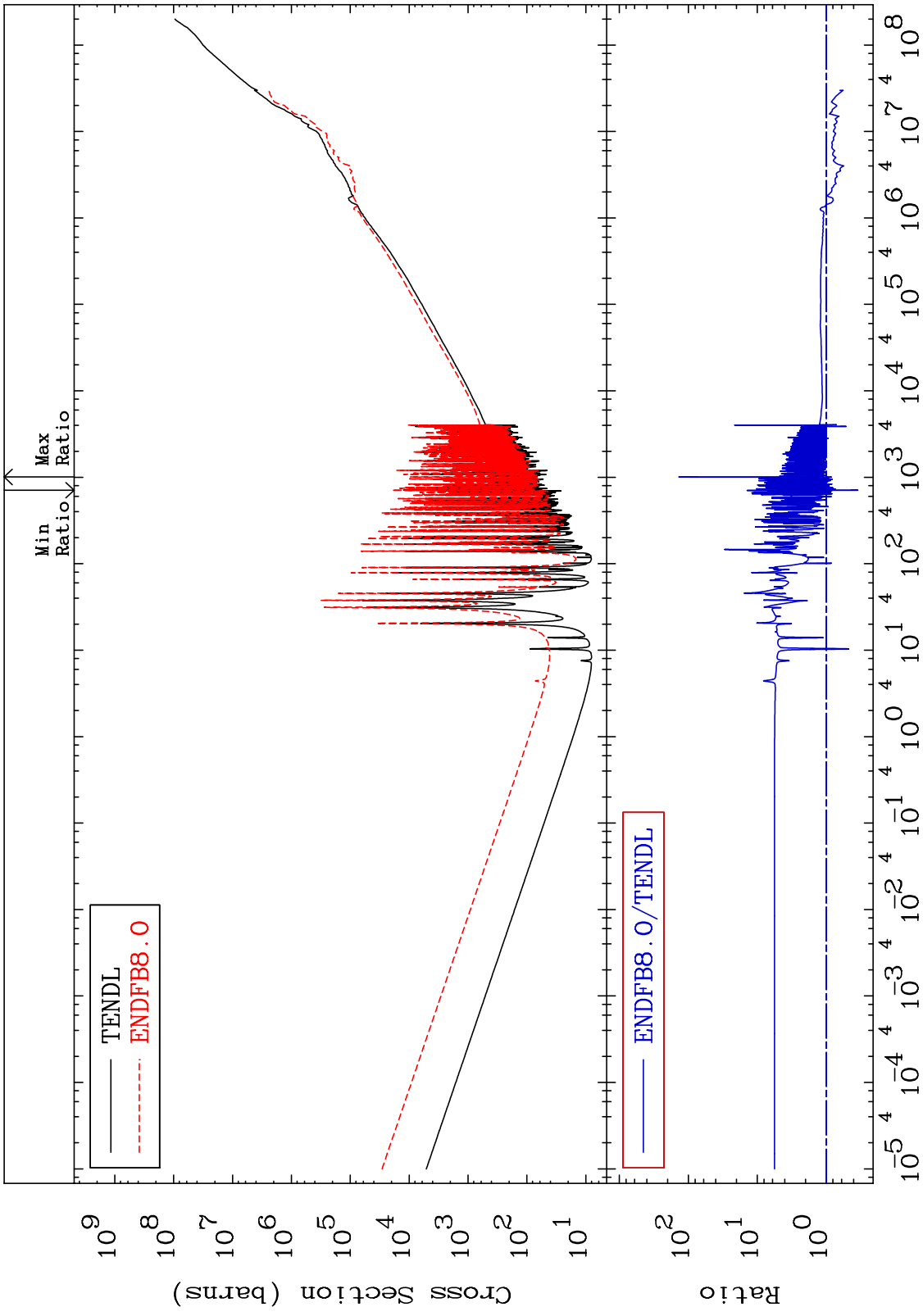
MAT 5325

He-4 Production
Cross Section

53-I -127
-84.60 To 9999. %



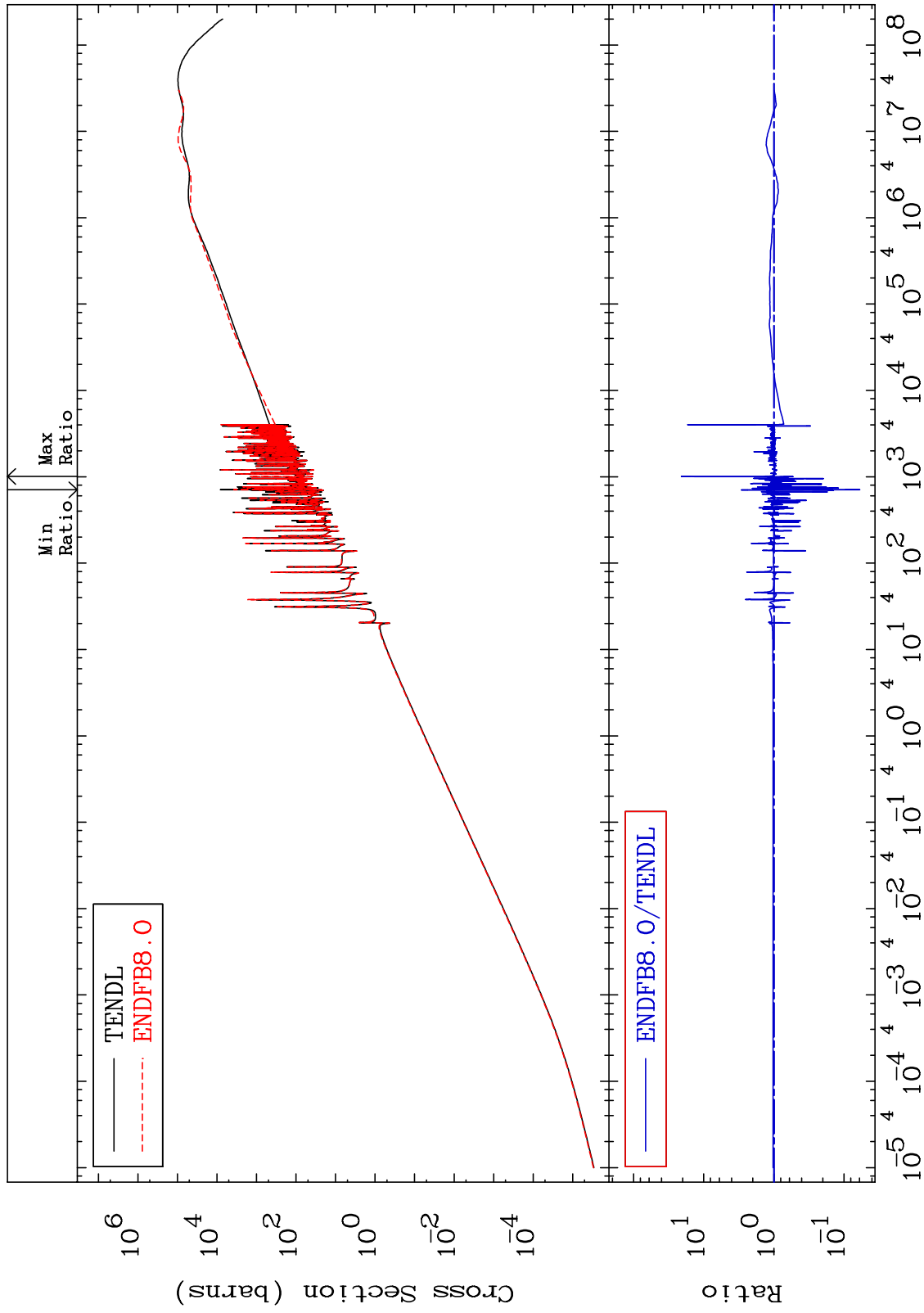
MAT 5325 Kerma total (eV-barns) 53-I -127
 Cross Section -65.14 To 9999. %



MAT 5325

Kerma elastic
Cross Section

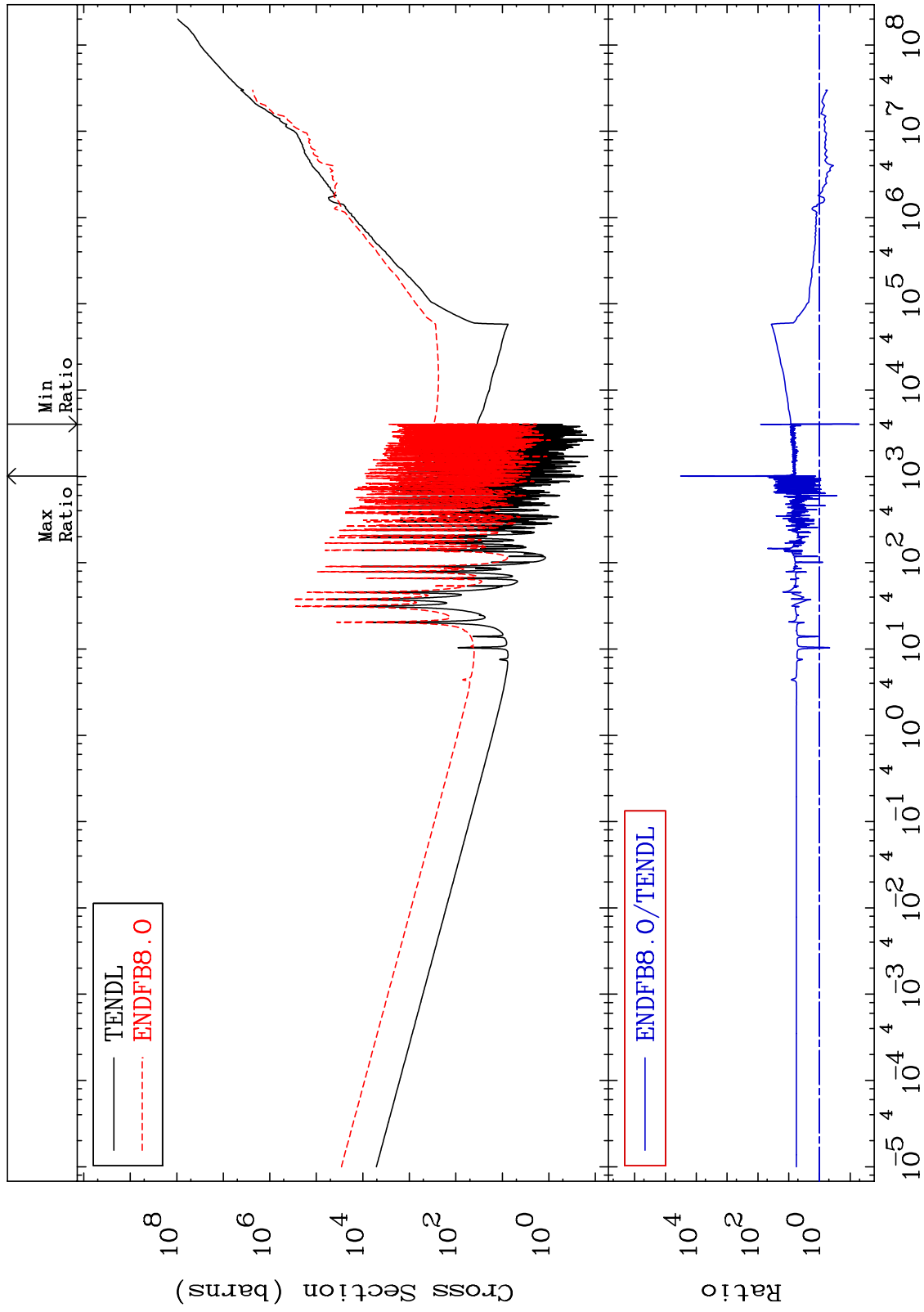
53-I -127
-94.05 To 1992. %



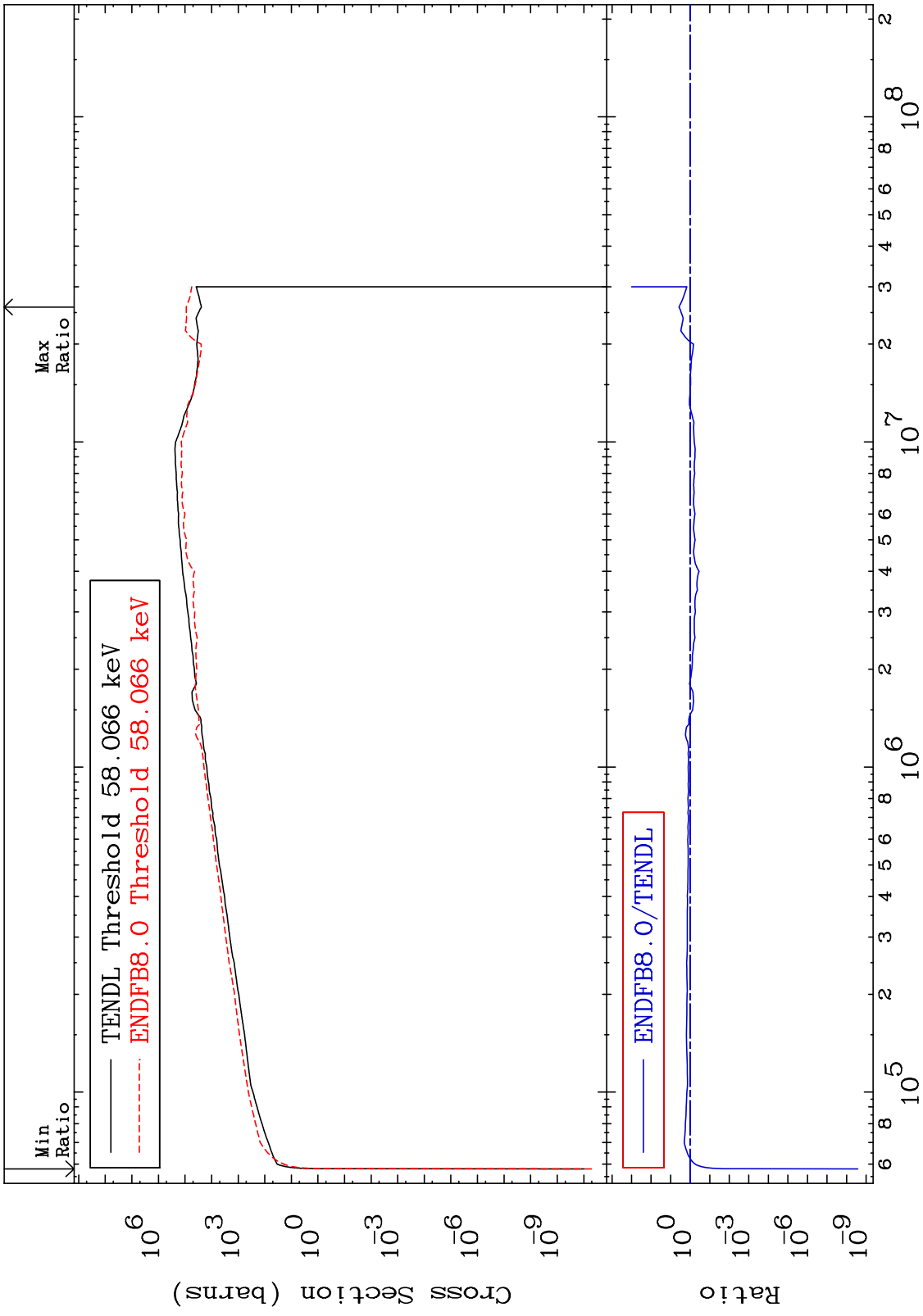
MAT 5325

Kerma non-elastic (all but mt2)
Cross Section

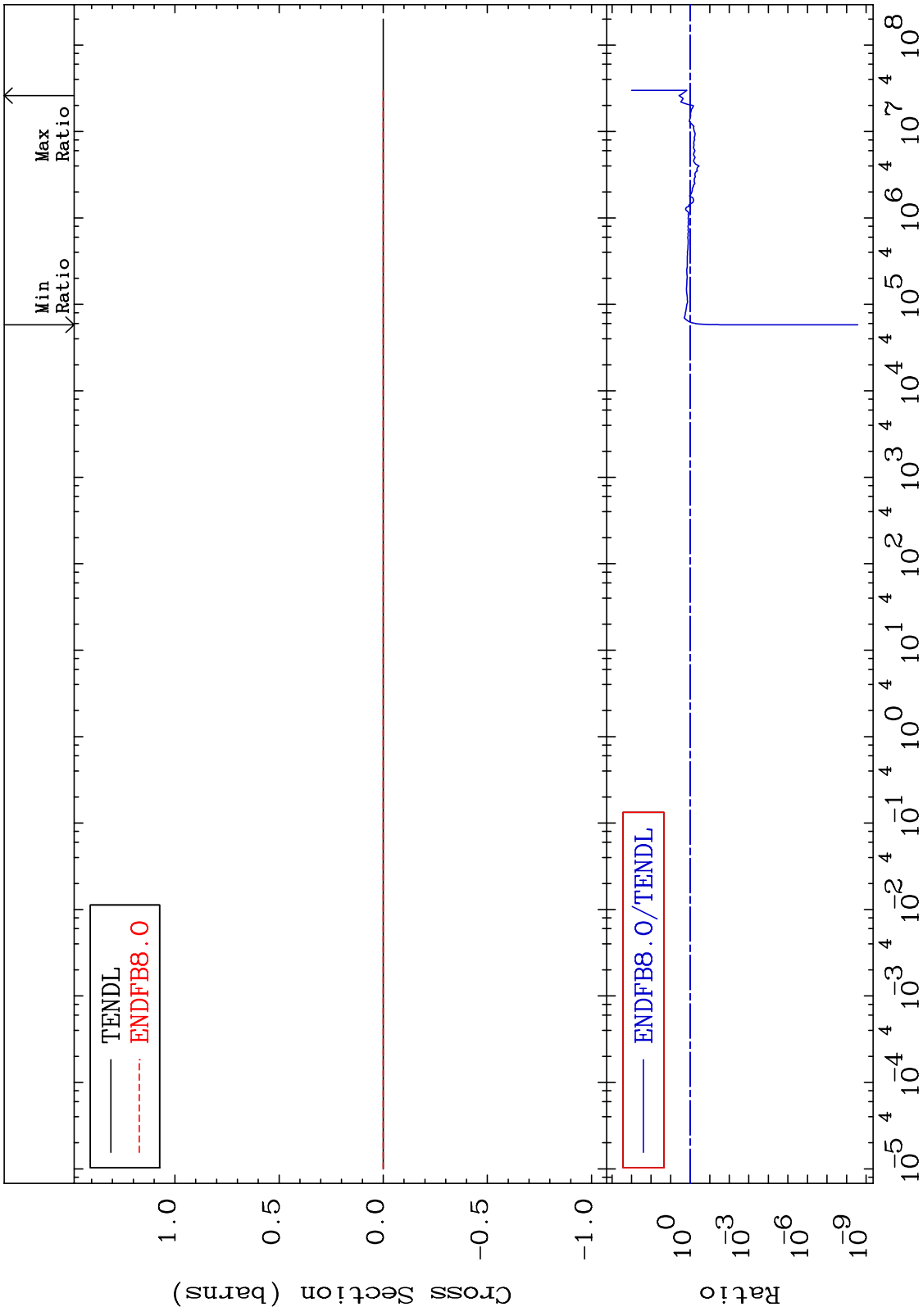
53-I -127
-94.77 To 9999. %



MAT 5325 Kerma inelastic (mt51-91) 53-I -127
 -100.0 To 270.7 %



MAT 5325 Kerma fission (mt18 or mt19-20-21-38) 53-I -127
 Cross Section -100.0 To 270.7 %

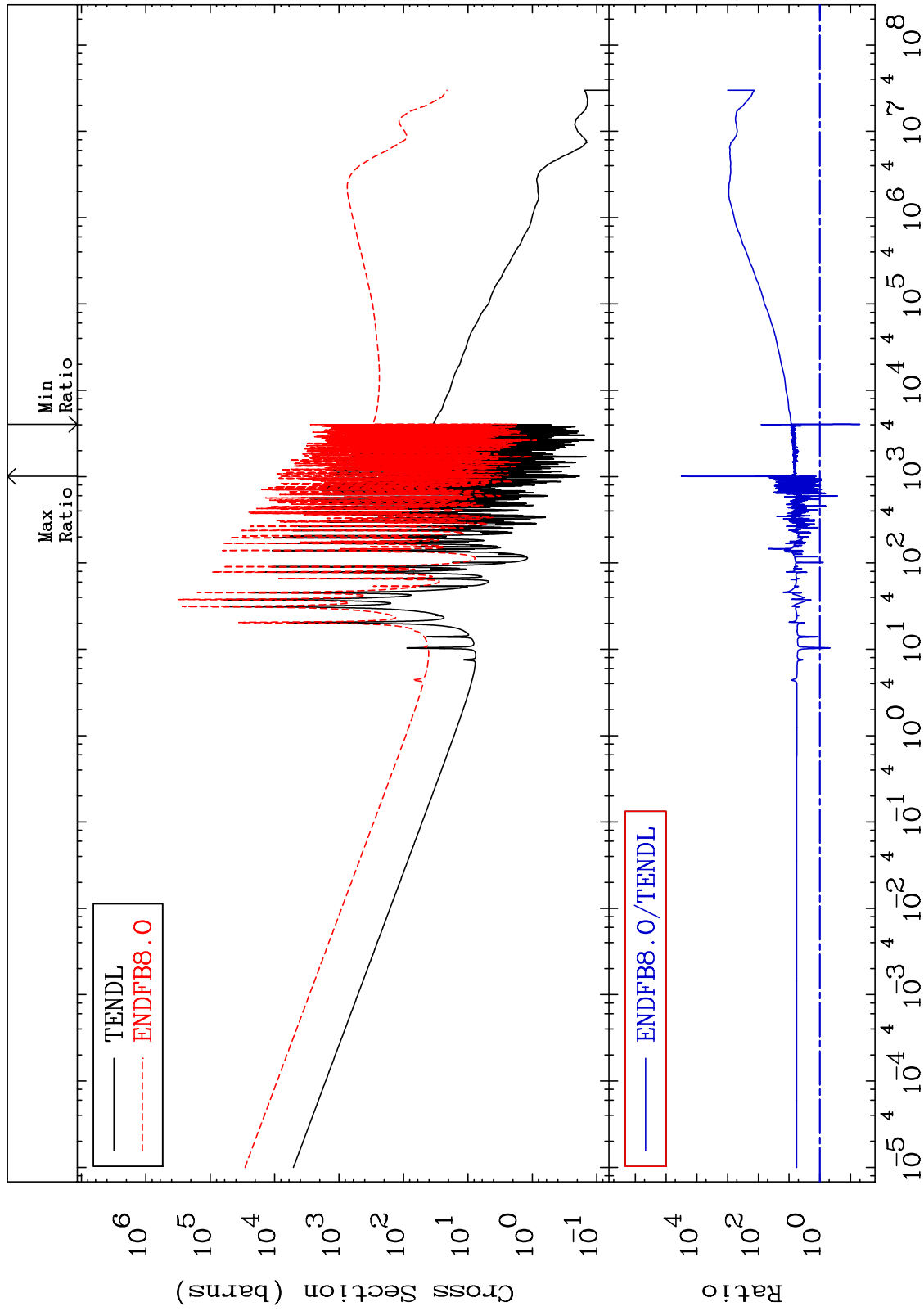


40 Incident Energy (eV) 53-I -127

MAT 5325

Kerma capture (mt102)
Cross Section

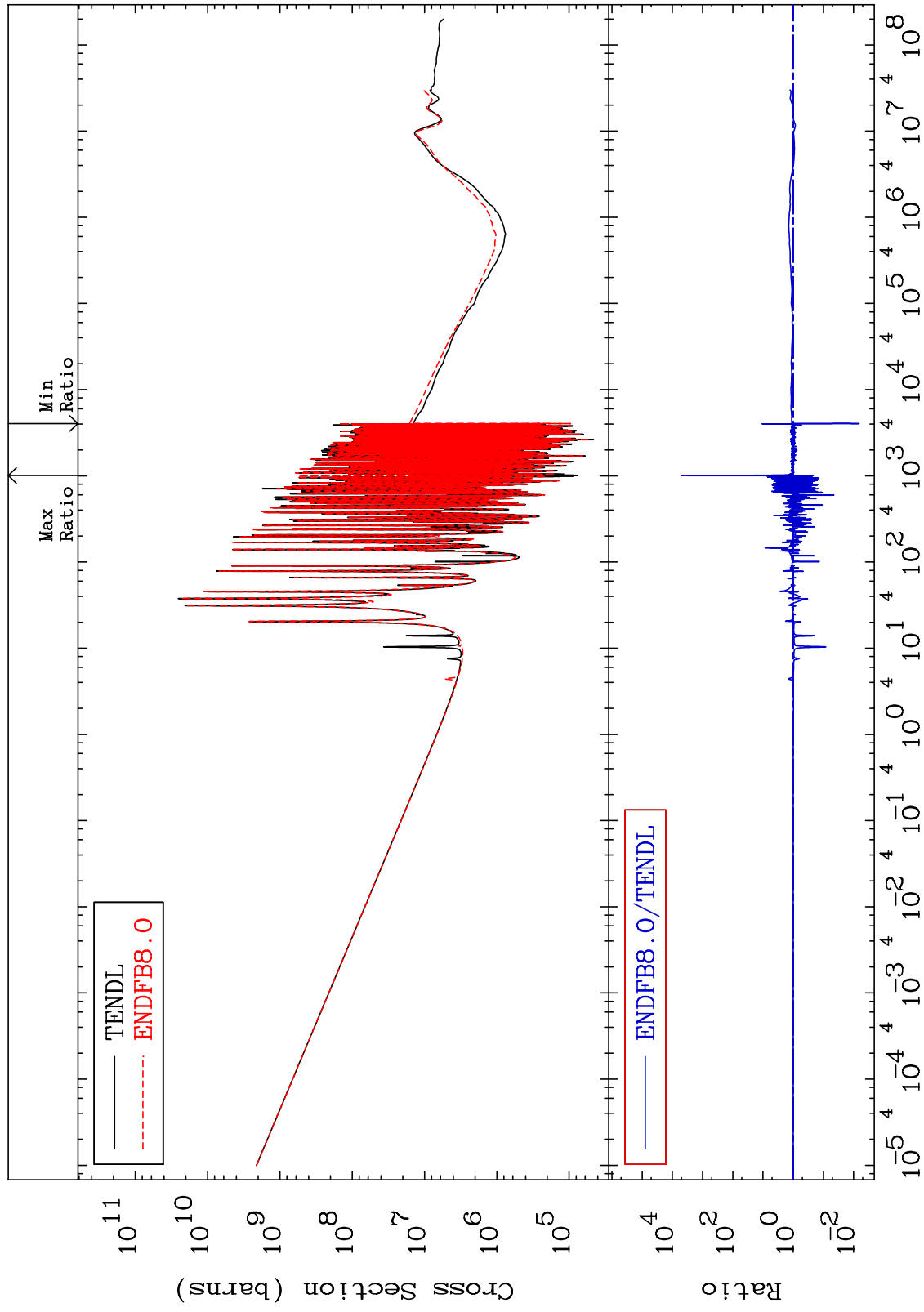
53-I -127
-94.97 To 9999. %



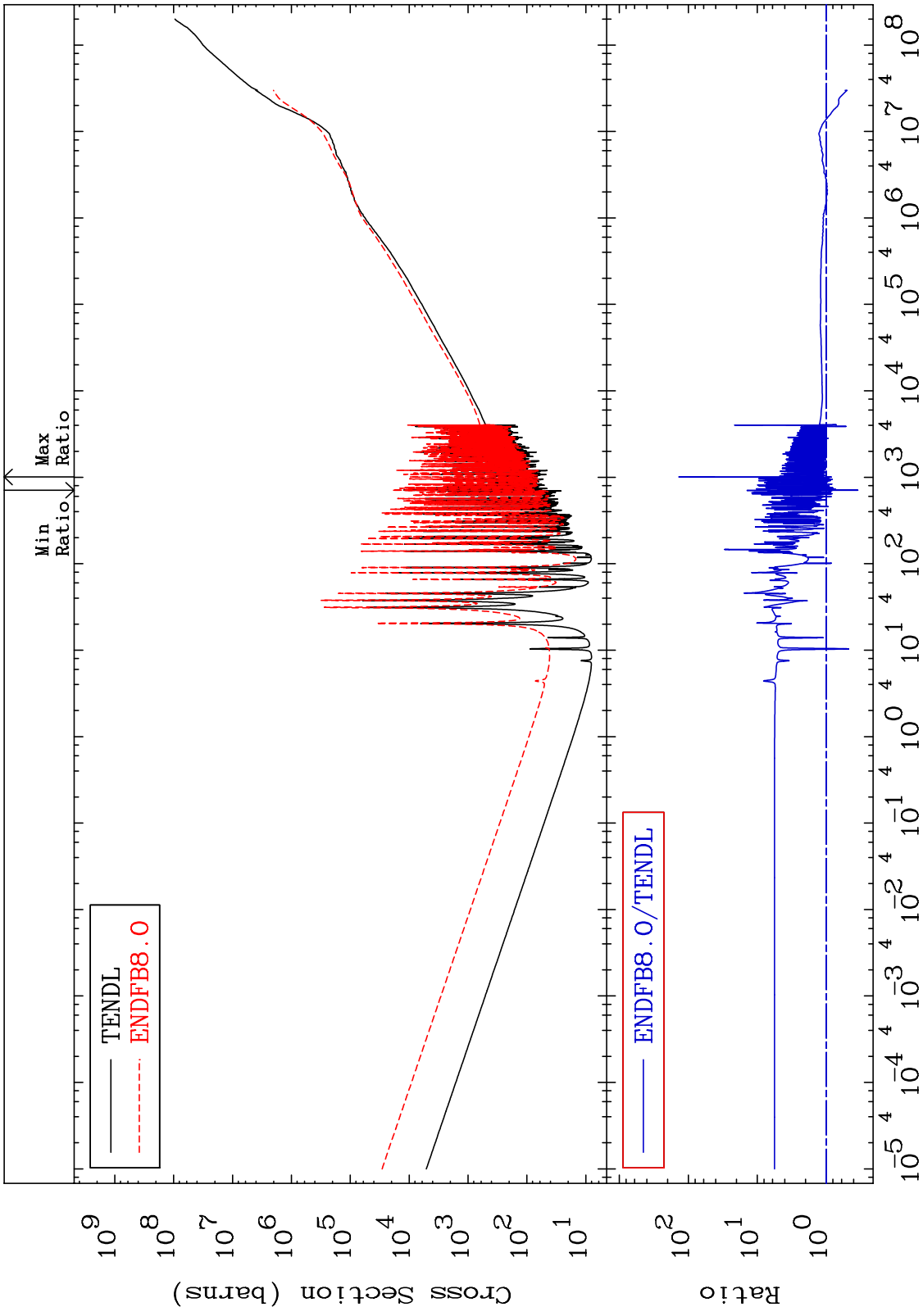
MAT 5325

Total photon (eV-barns)
Cross Section

53-I -127
-99.34 To 9999. %



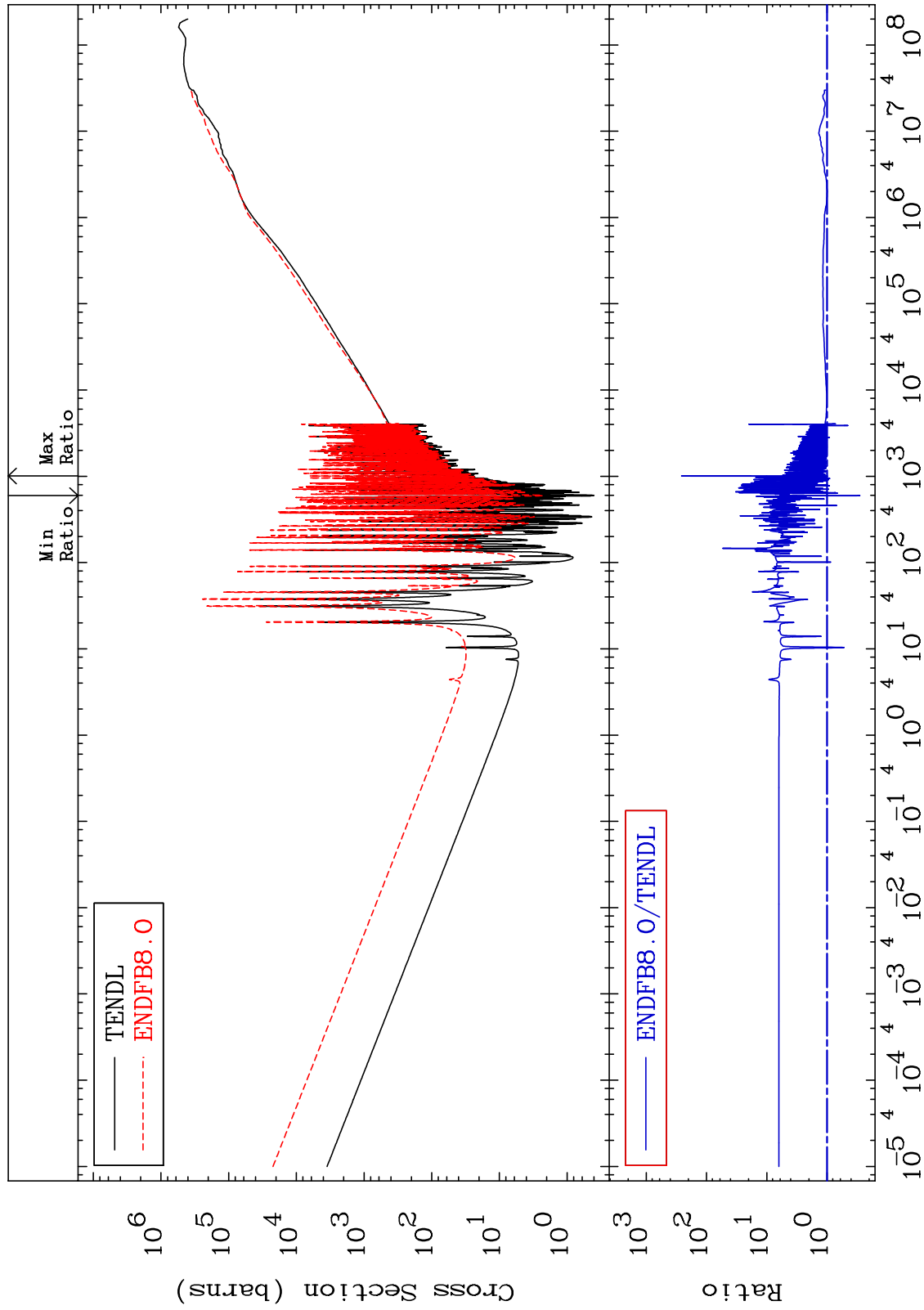
MAT 5325 Total kinematic kerma (high limit) 53-I -127
 Cross Section -65.14 To 9999. %



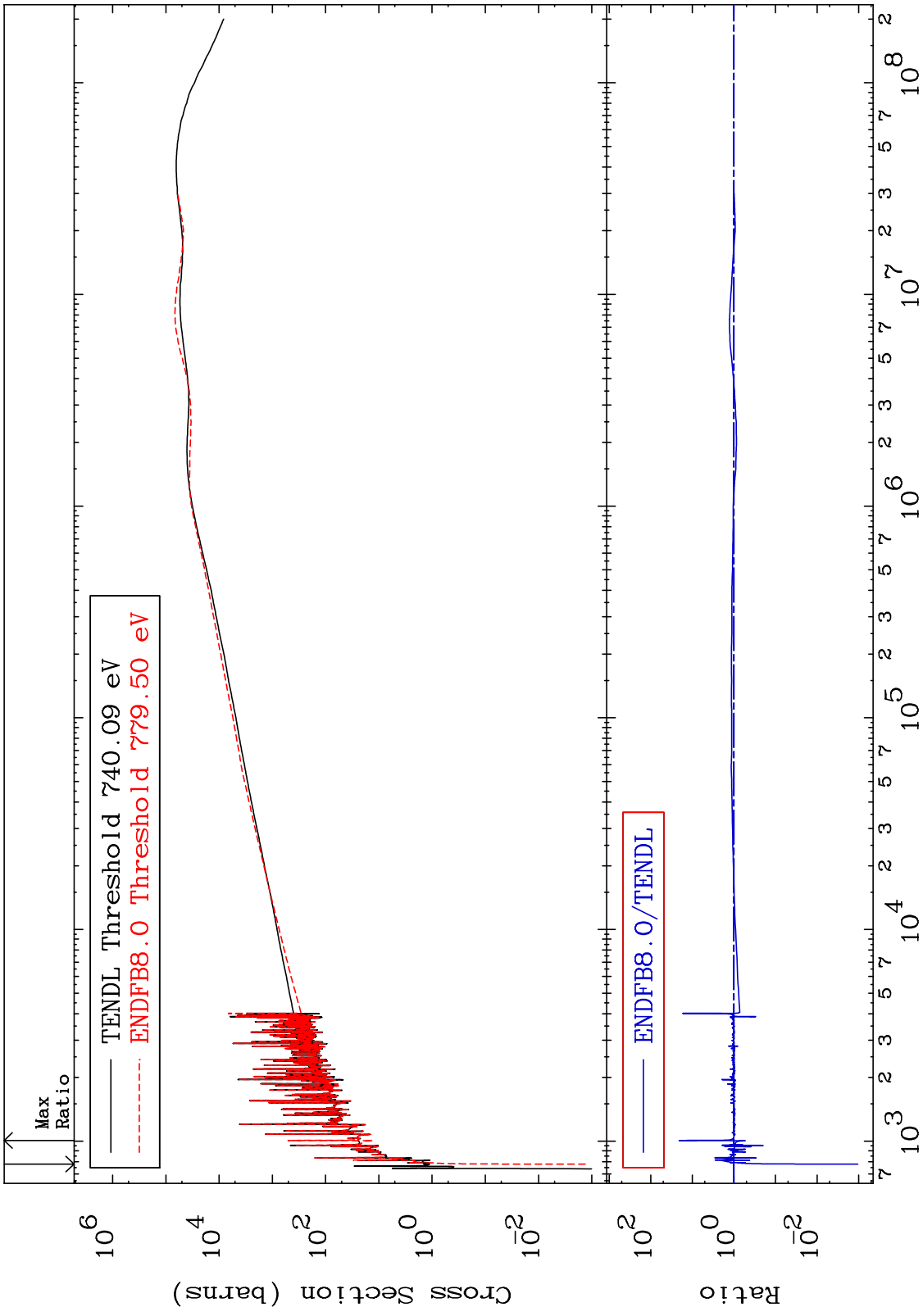
MAT 5325

Dpa total (eV-barns)
Cross Section

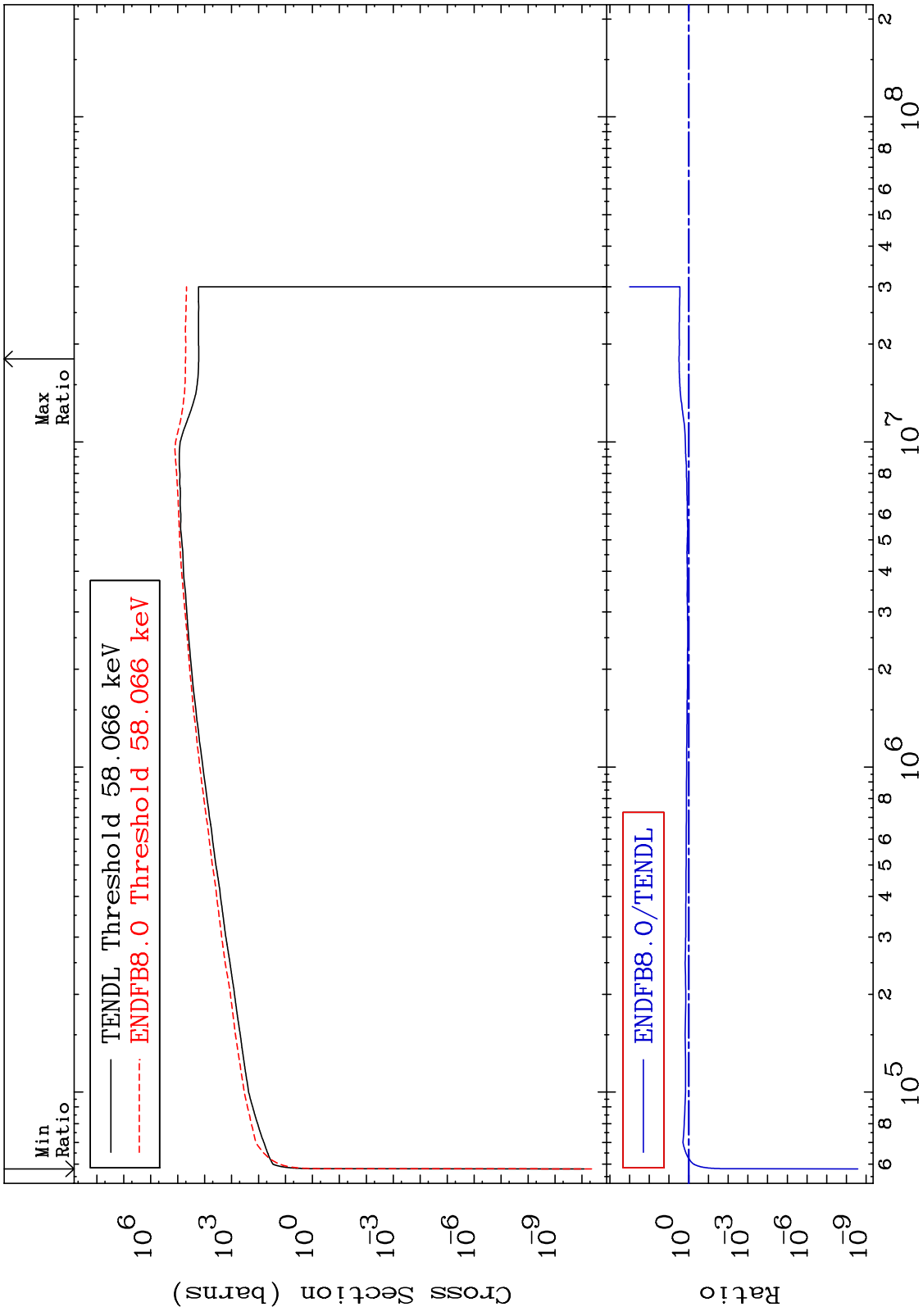
53-I -127
-71.49 To 9999. %



MAT 5325 Dpa elastic (mt2) 53-I -127
Cross Section -99.90 To 1991. %



MAT 5325 Dpa inelastic (mt51-91) 53-I -127
 Cross Section -100.0 To 209.1 %



MAT 5325

Dpa disappearance (mt102 -120)
Cross Section

53-I -127
-95.81 To 9999. %

