

Program Complot
(Version 2018-1)

by

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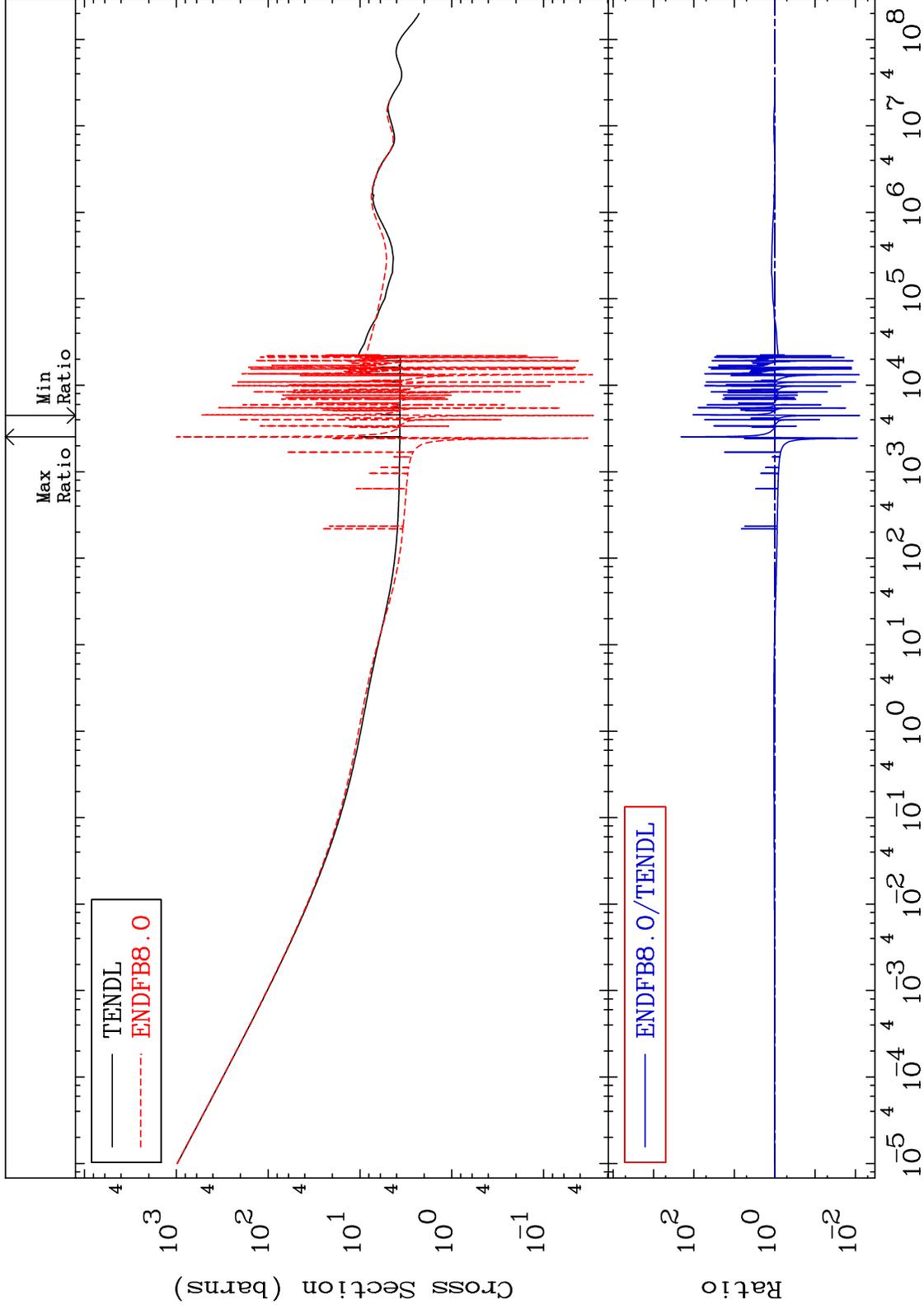
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6025

Total
Cross Section

60-Nd-142
-99.21 To 9999. %



1

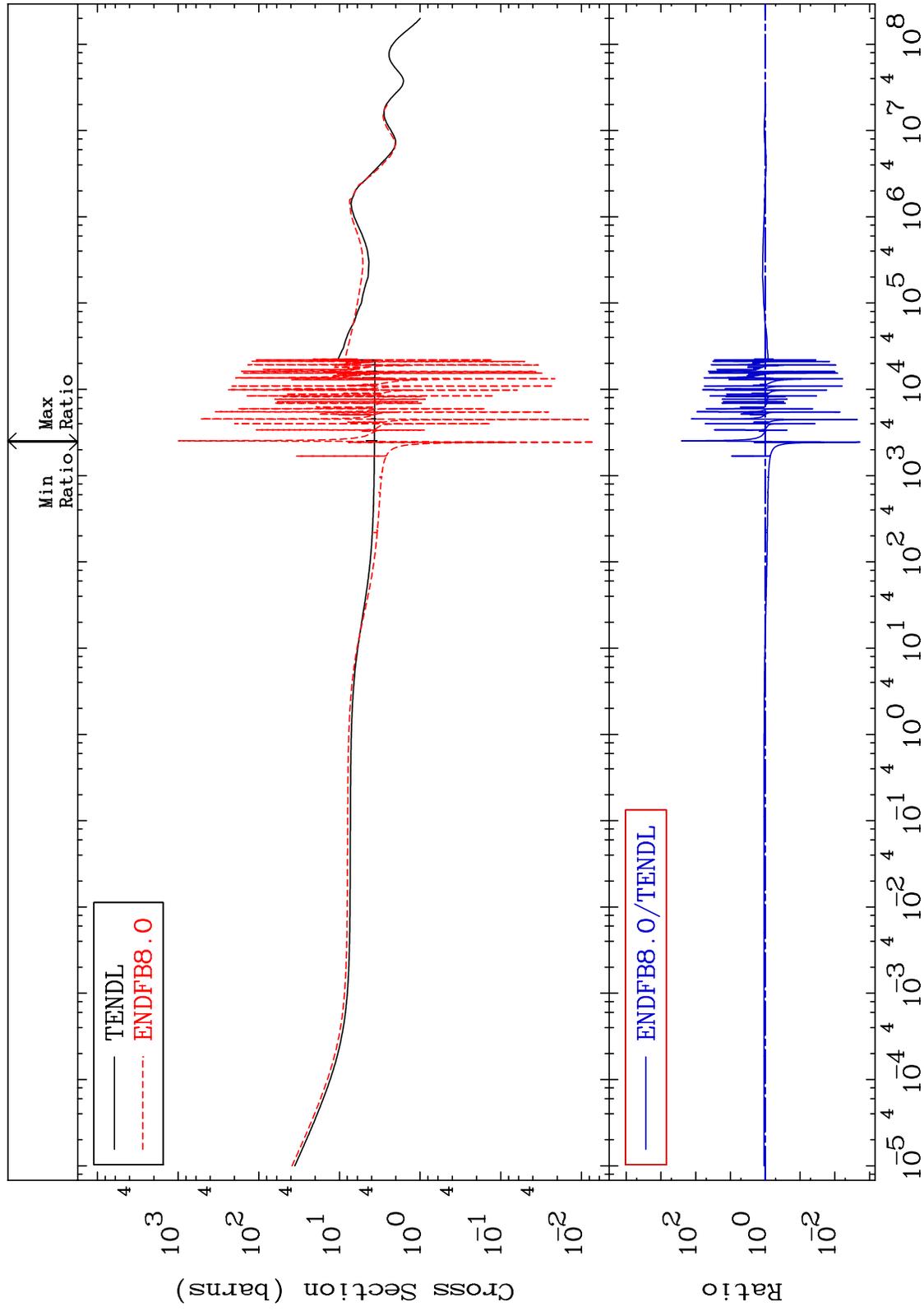
Incident Energy (eV)

60-Nd-142

MAT 6025

Elastic
Cross Section

60-Nd-142
-99.81 To 9999. %



2

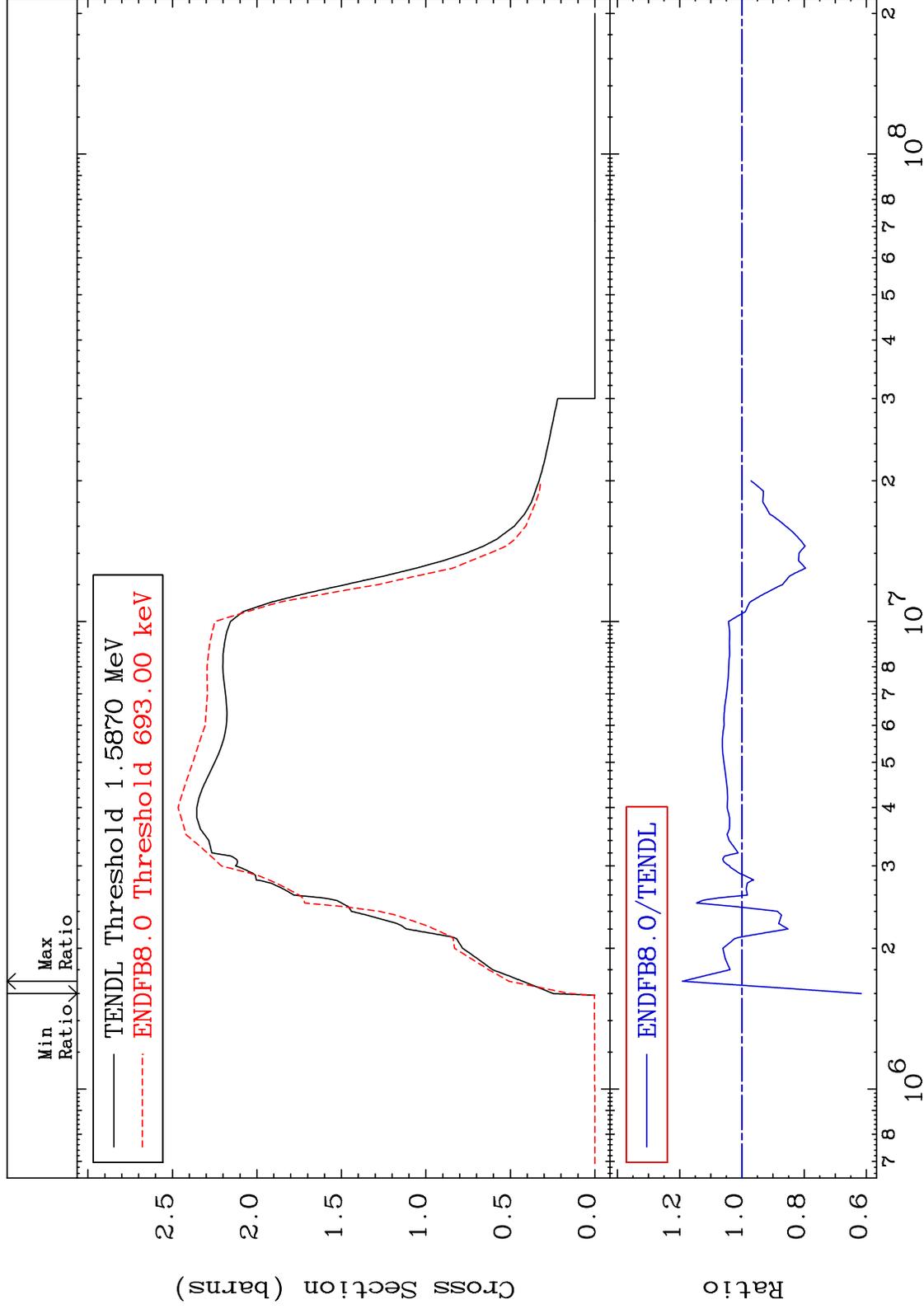
Incident Energy (eV)

60-Nd-142

MAT 6025

Inelastic
Cross Section

60-Nd-142
-38.37 To 19.11 %

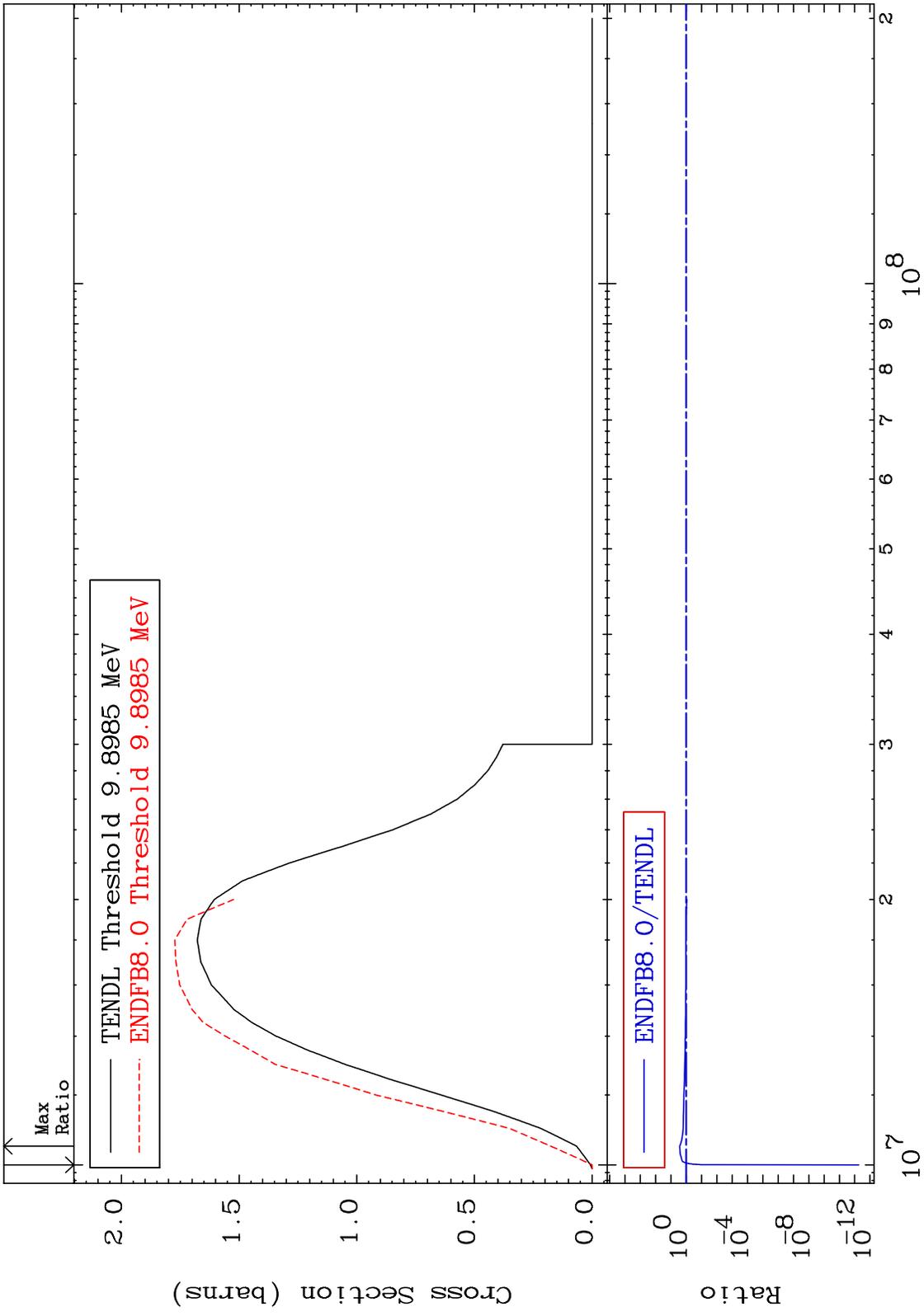


3

Incident Energy (eV)

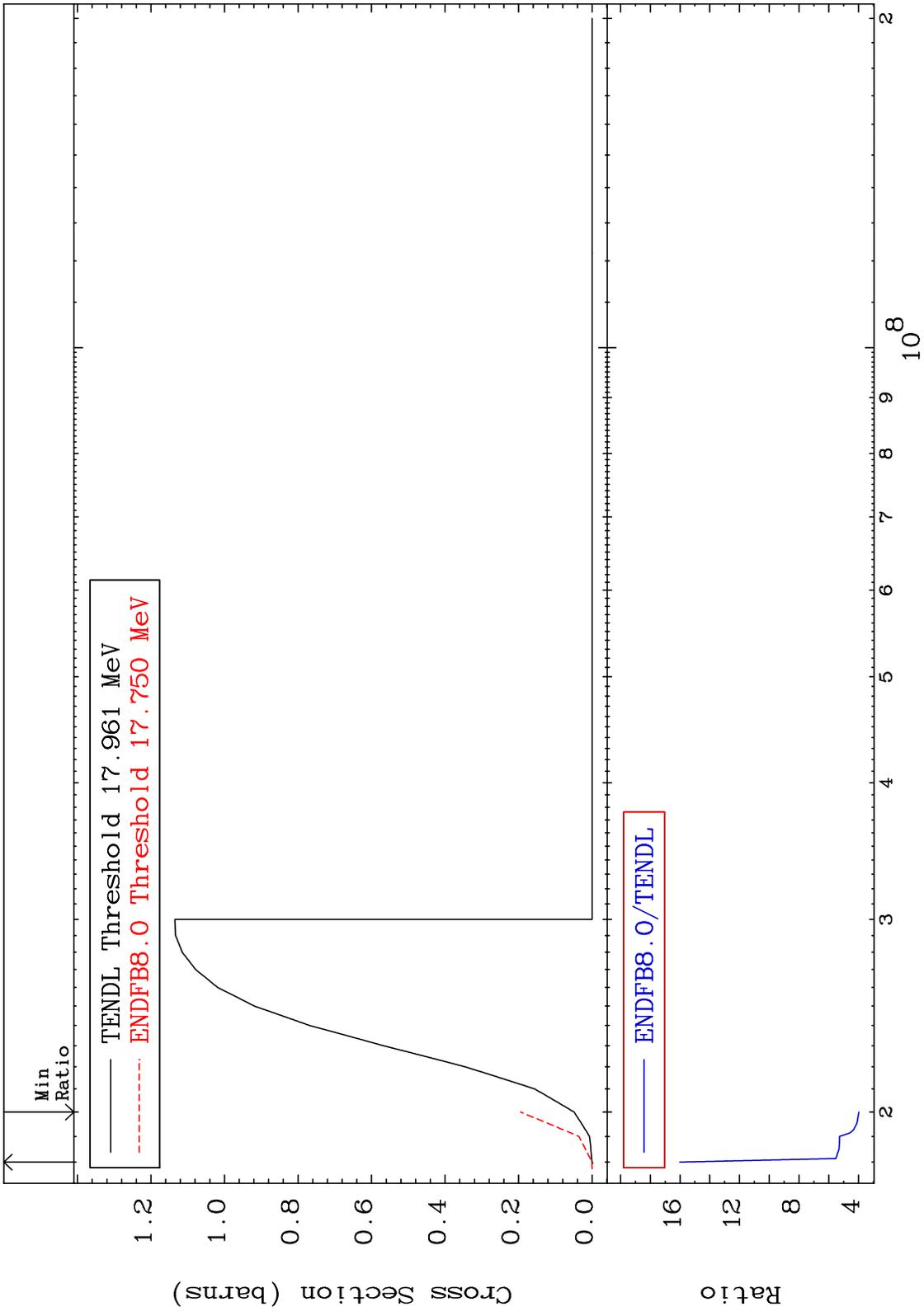
60-Nd-142

MAT 6025 (n,2n) Cross Section 60-Nd-142 -100.0 To 167.2 %

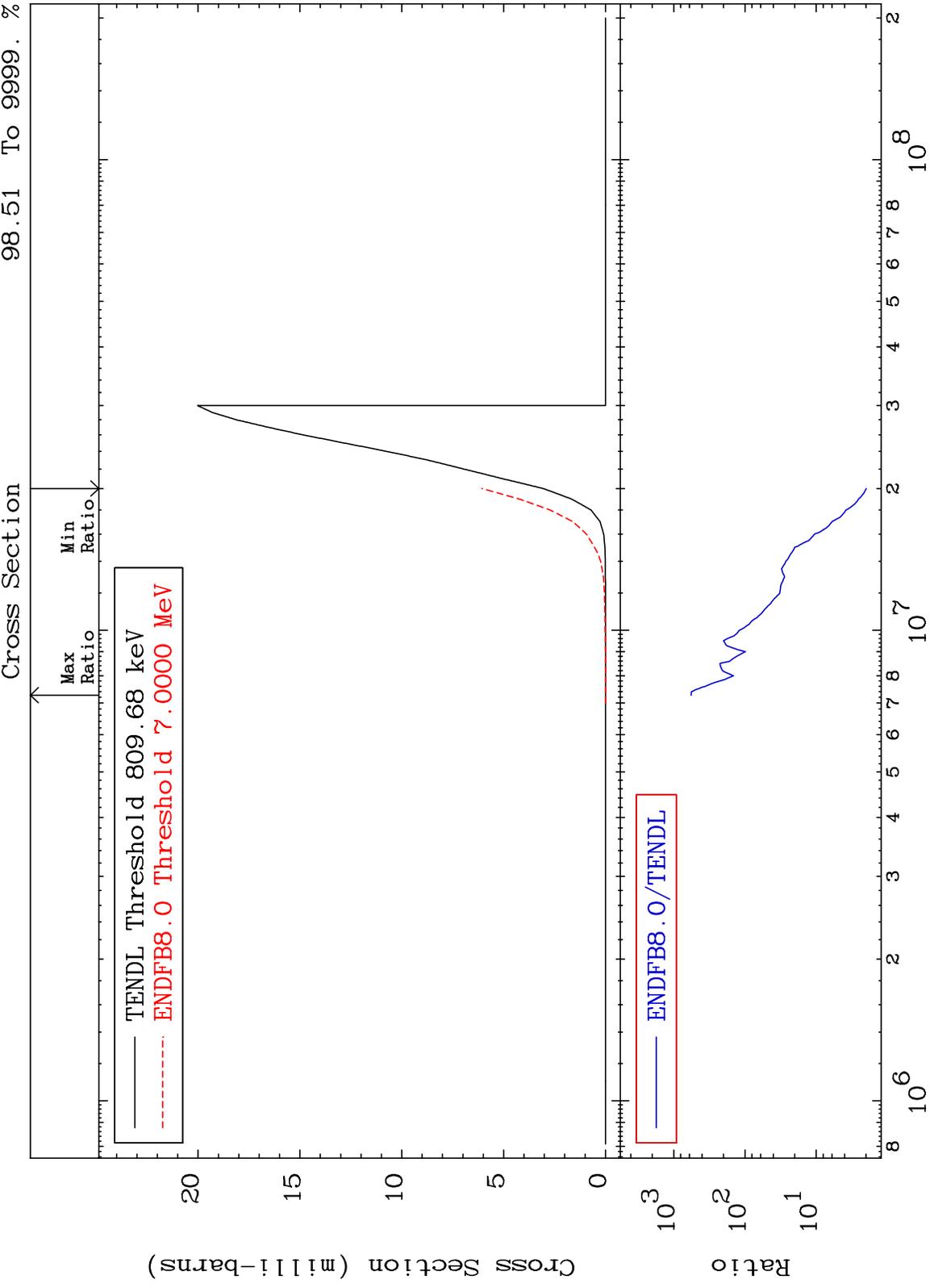


4 Incident Energy (eV) 60-Nd-142

MAT 6025 (n,3n) Cross Section 60-Nd-142 To 1502. %
 298.1

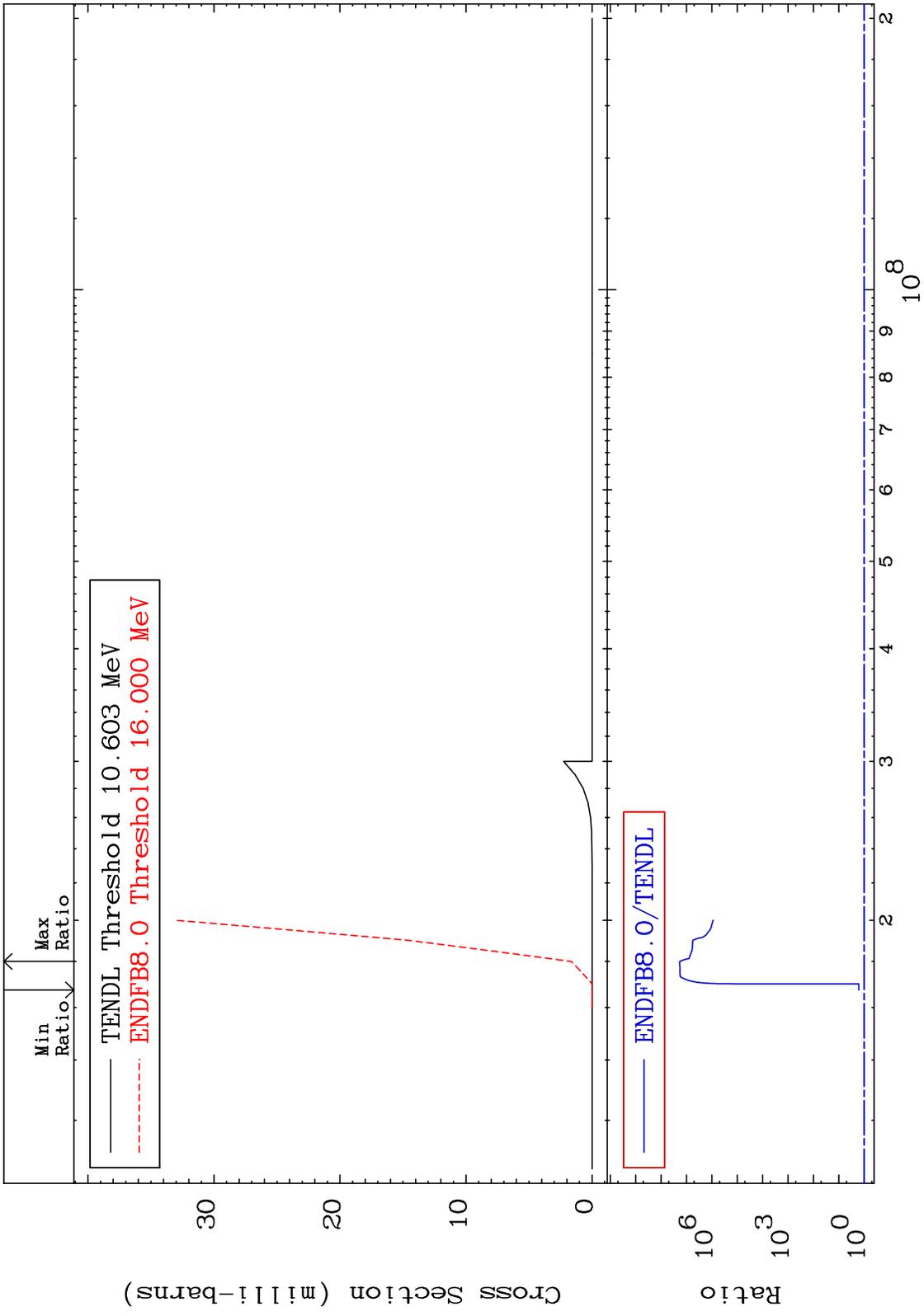


MAT 6025 $(n, n') \alpha$ 60-Nd-142 To 9999. %

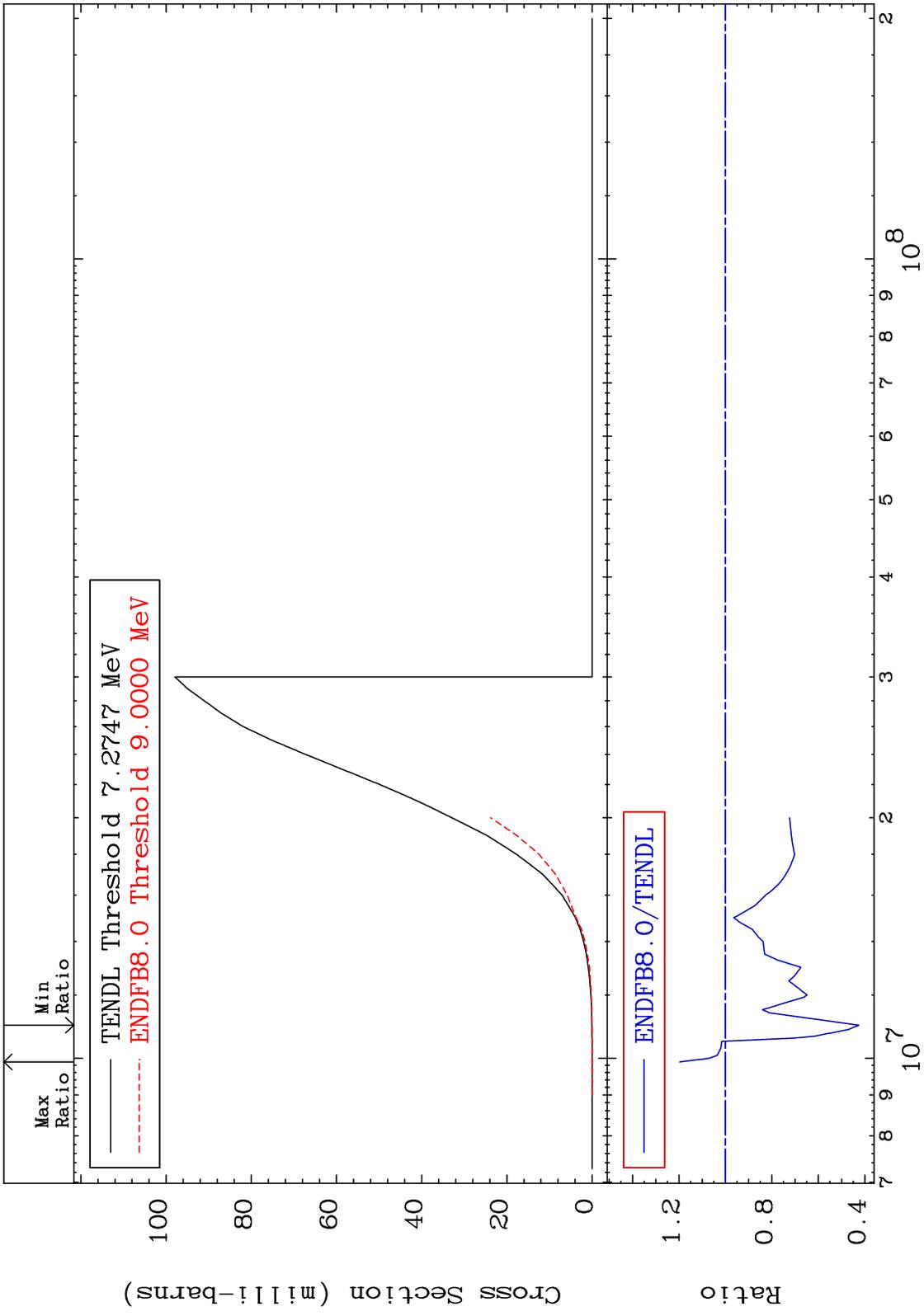


6 Incident Energy (eV) 60-Nd-142

MAT 6025 $(n,2n) \alpha$ 60-Nd-142
 Cross Section 62.82 To 9999. %

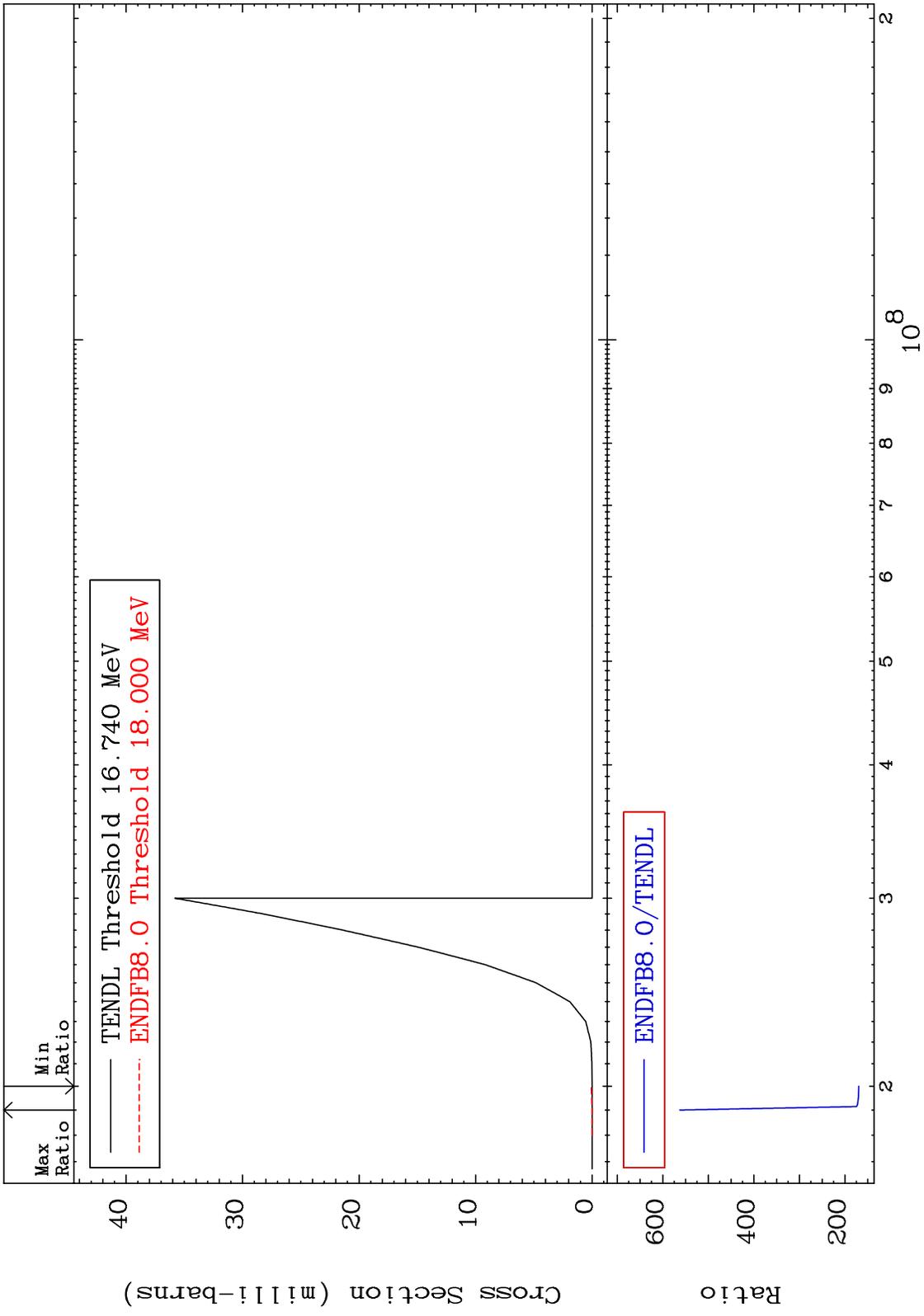


MAT 6025 (n,n') p 60-Nd-142
 Cross Section -57.42 To 19.66 %

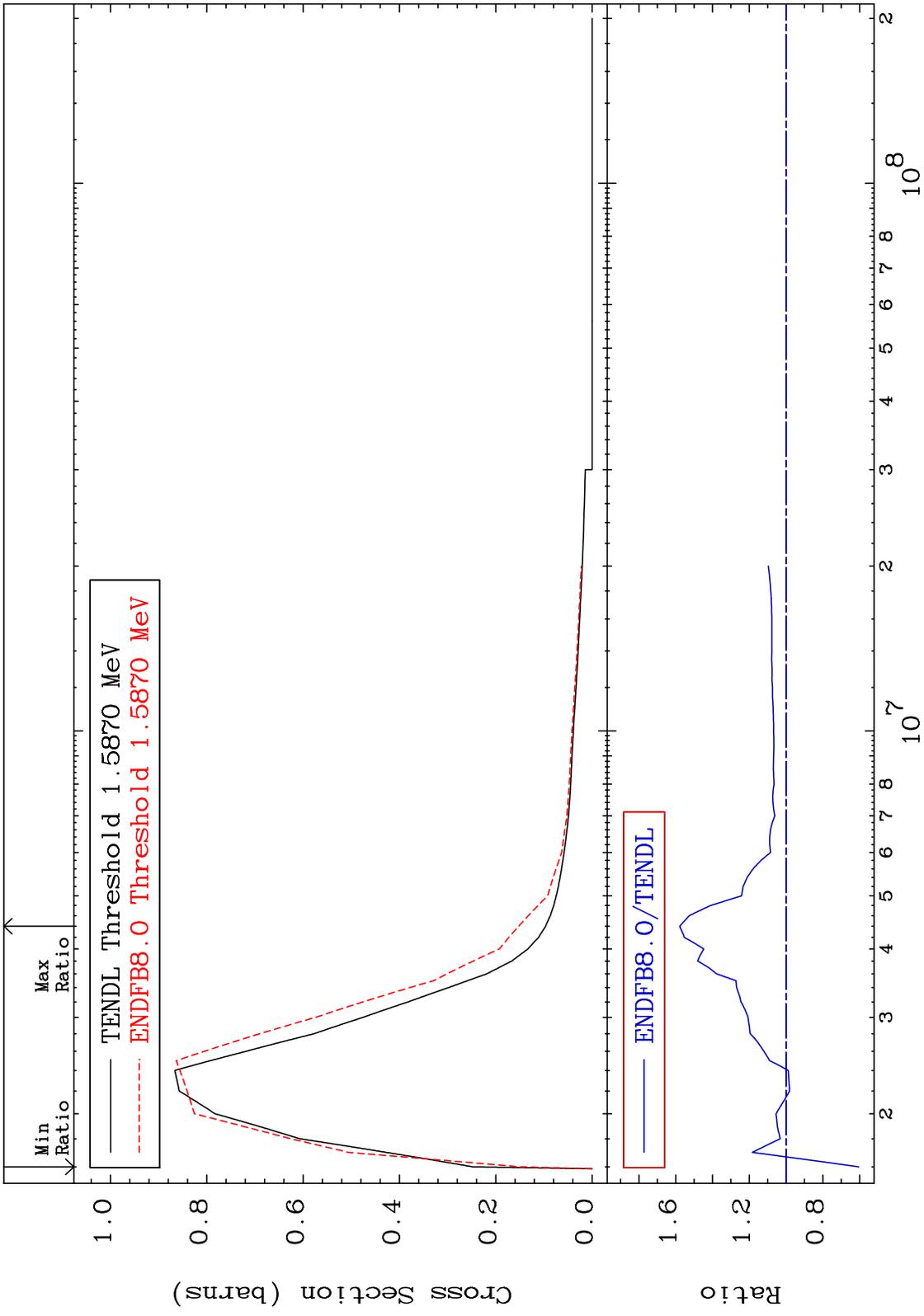


8 8 60-Nd-142

MAT 6025 (n,2n) p 60-Nd-142
 Cross Section 9999. To 9999. %

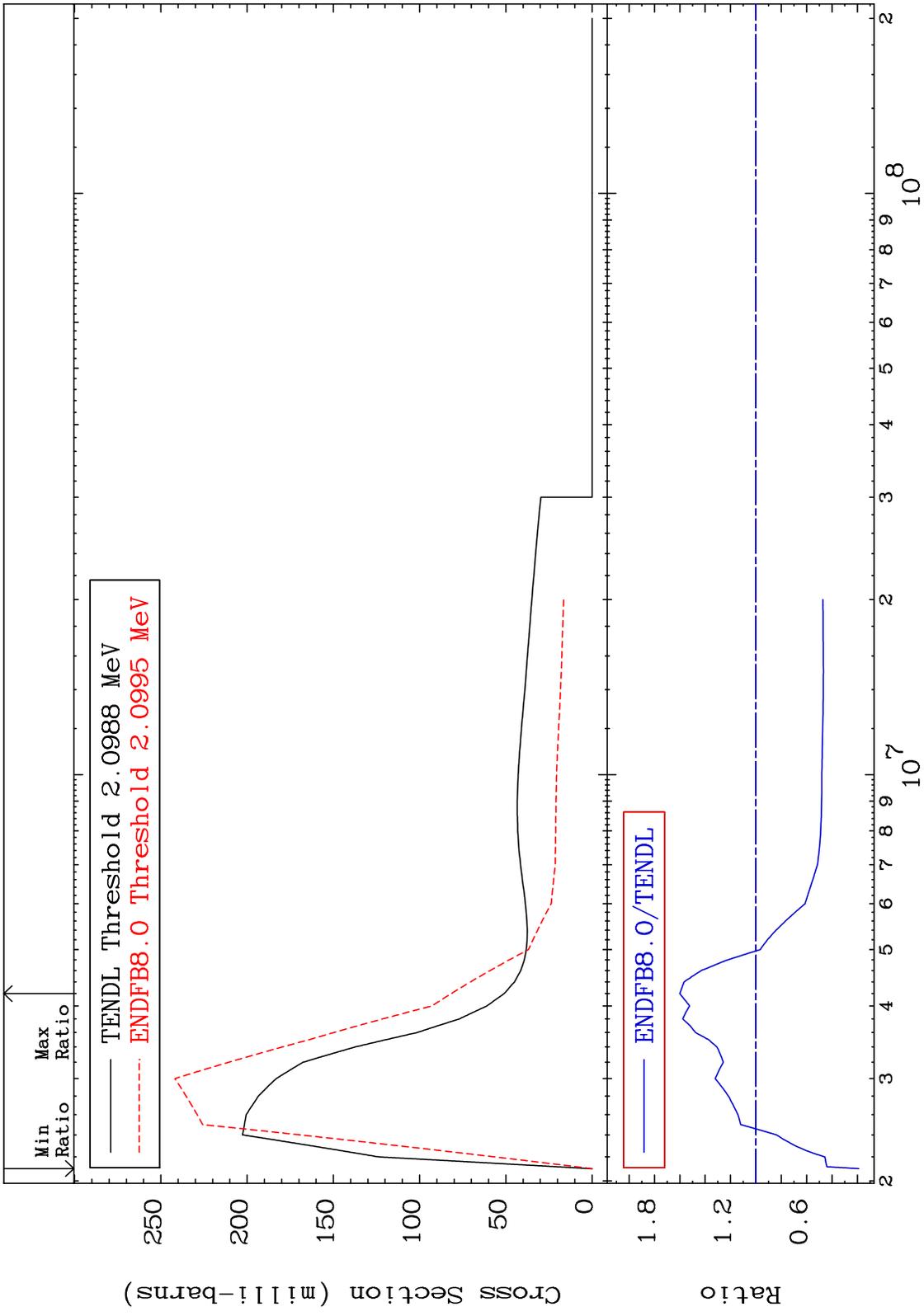


MAT 6025 MT= 51 (n,n') Level Cross Section 60-Nd-142 -39.60 To 57.82 %

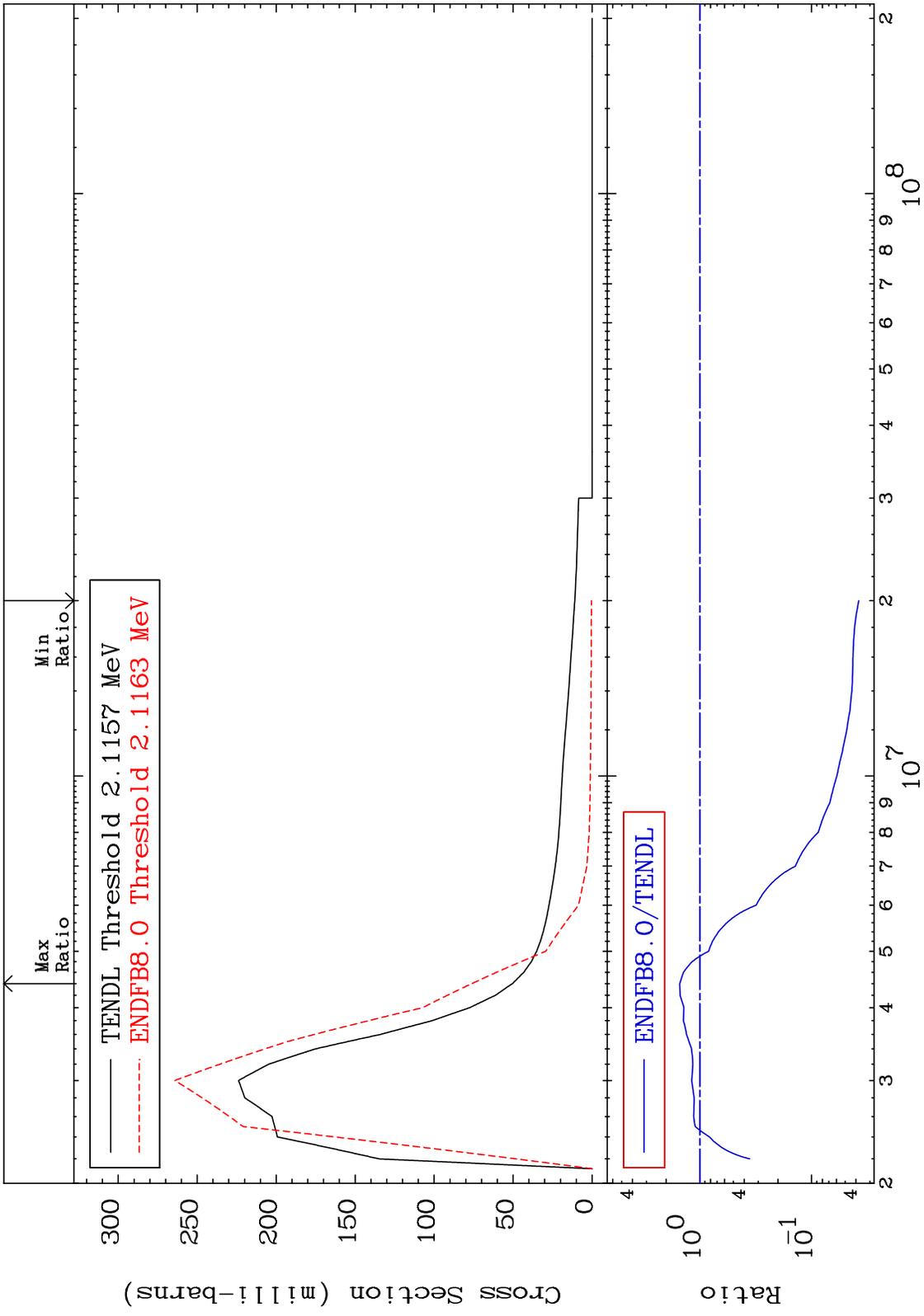


10 Incident Energy (eV) 60-Nd-142

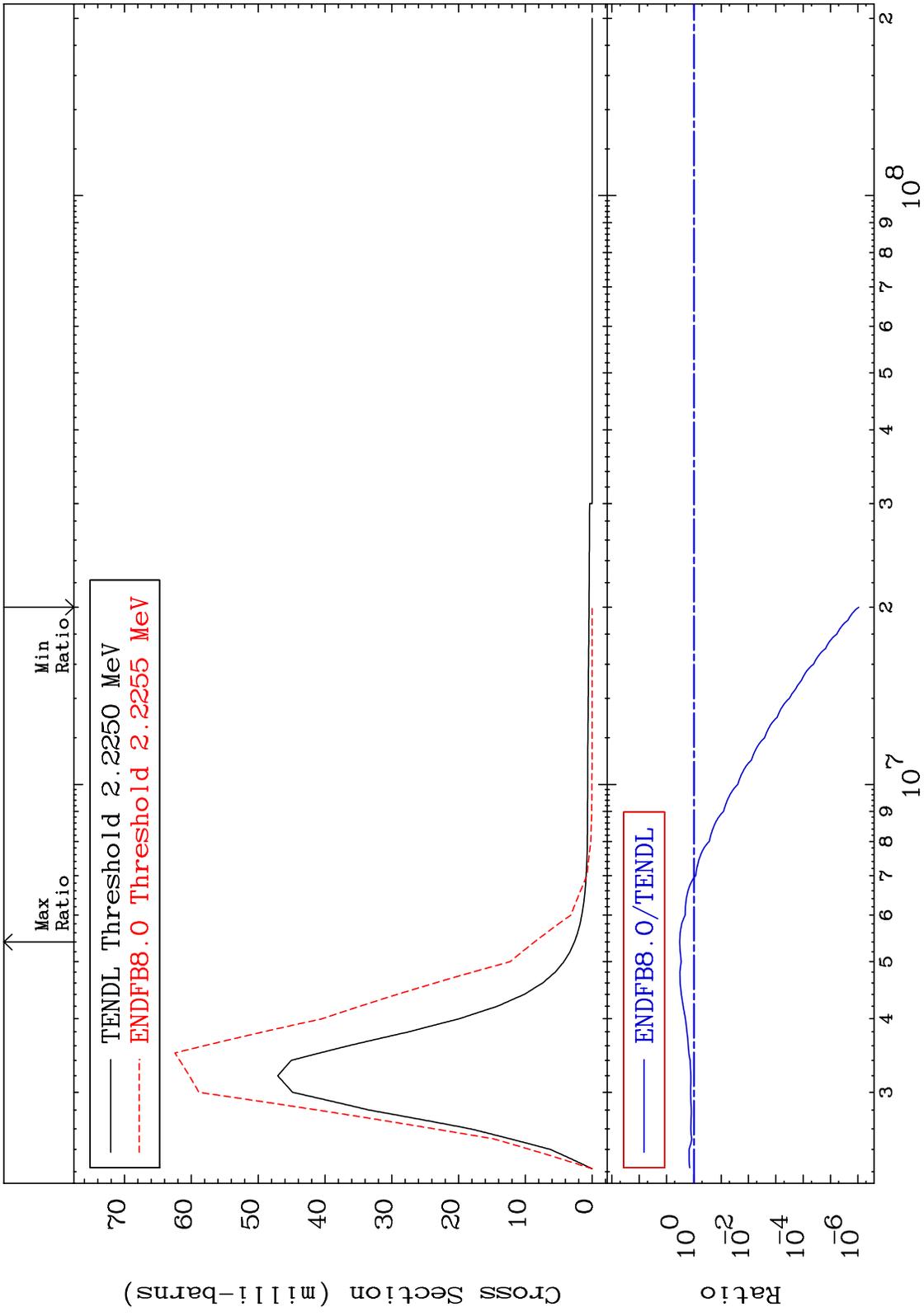
MAT 6025 MT= 52 (n,n') Level 60-Nd-142
 Cross Section -81.13 To 60.05 %



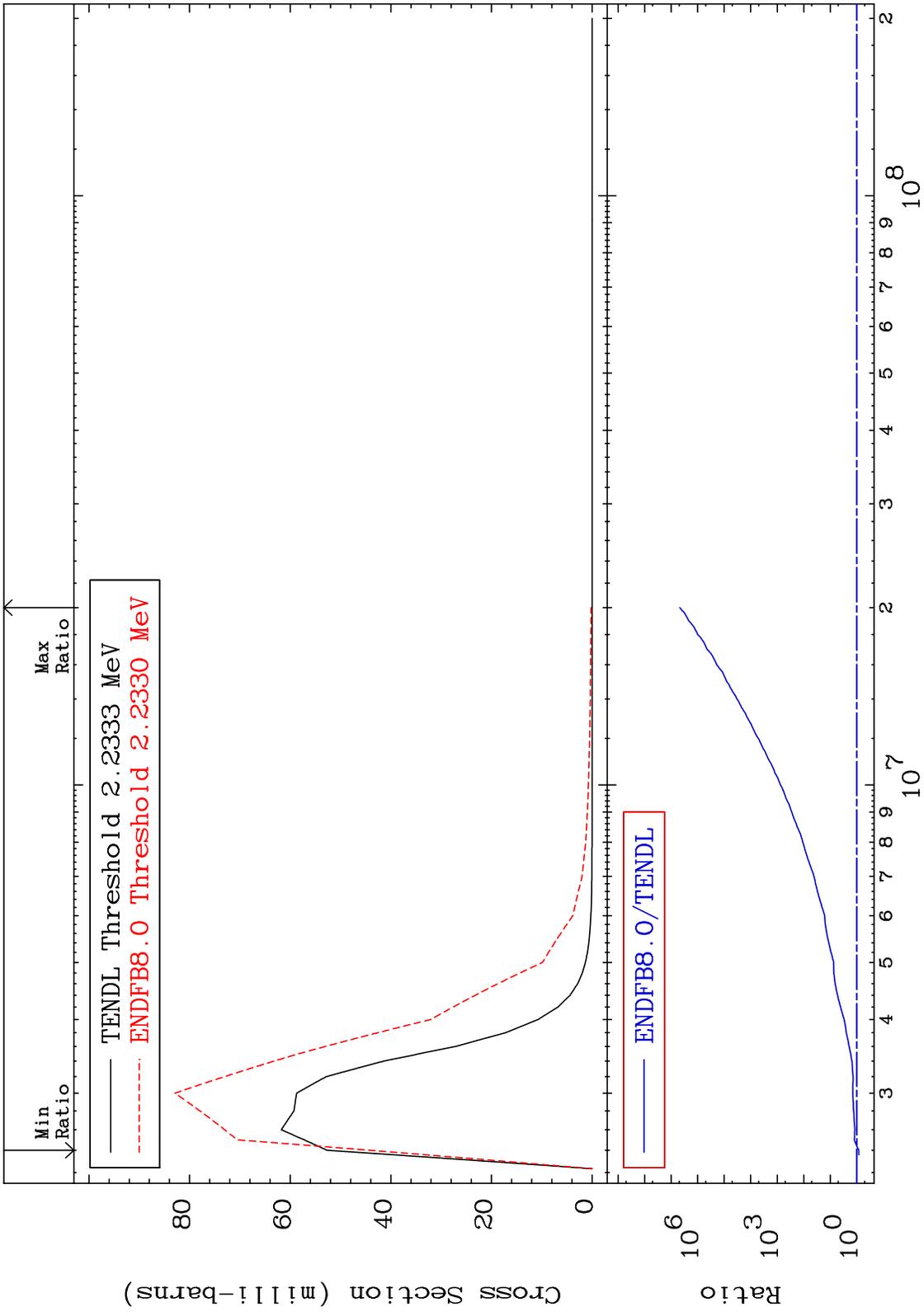
MAT 6025 MT= 53 (n,n') Level Cross Section 60-Nd-142 -96.22 To 50.93 %



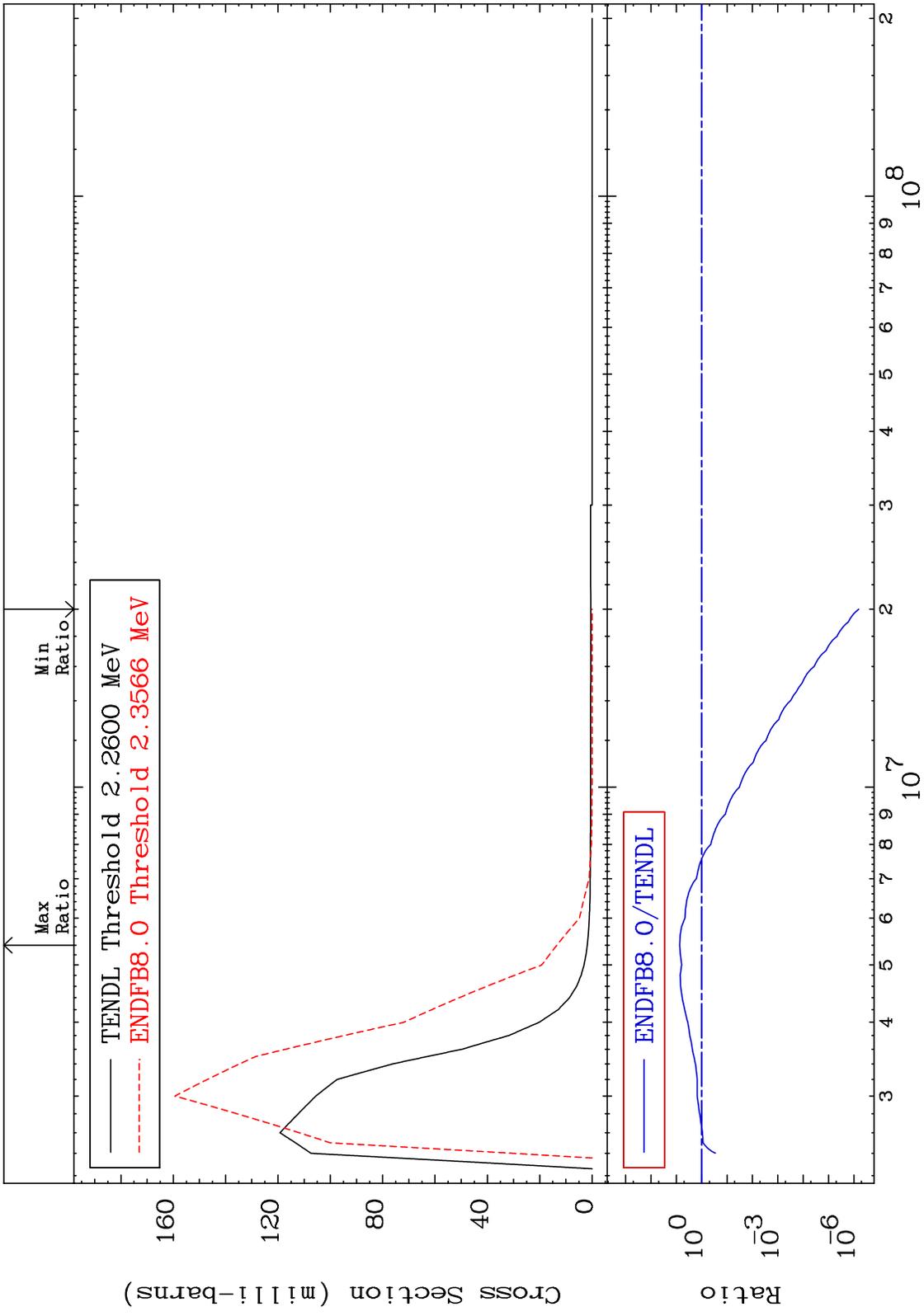
MAT 6025 MT= 54 (n,n') Level Cross Section 60-Nd-142
 -100.0 To 227.8 %



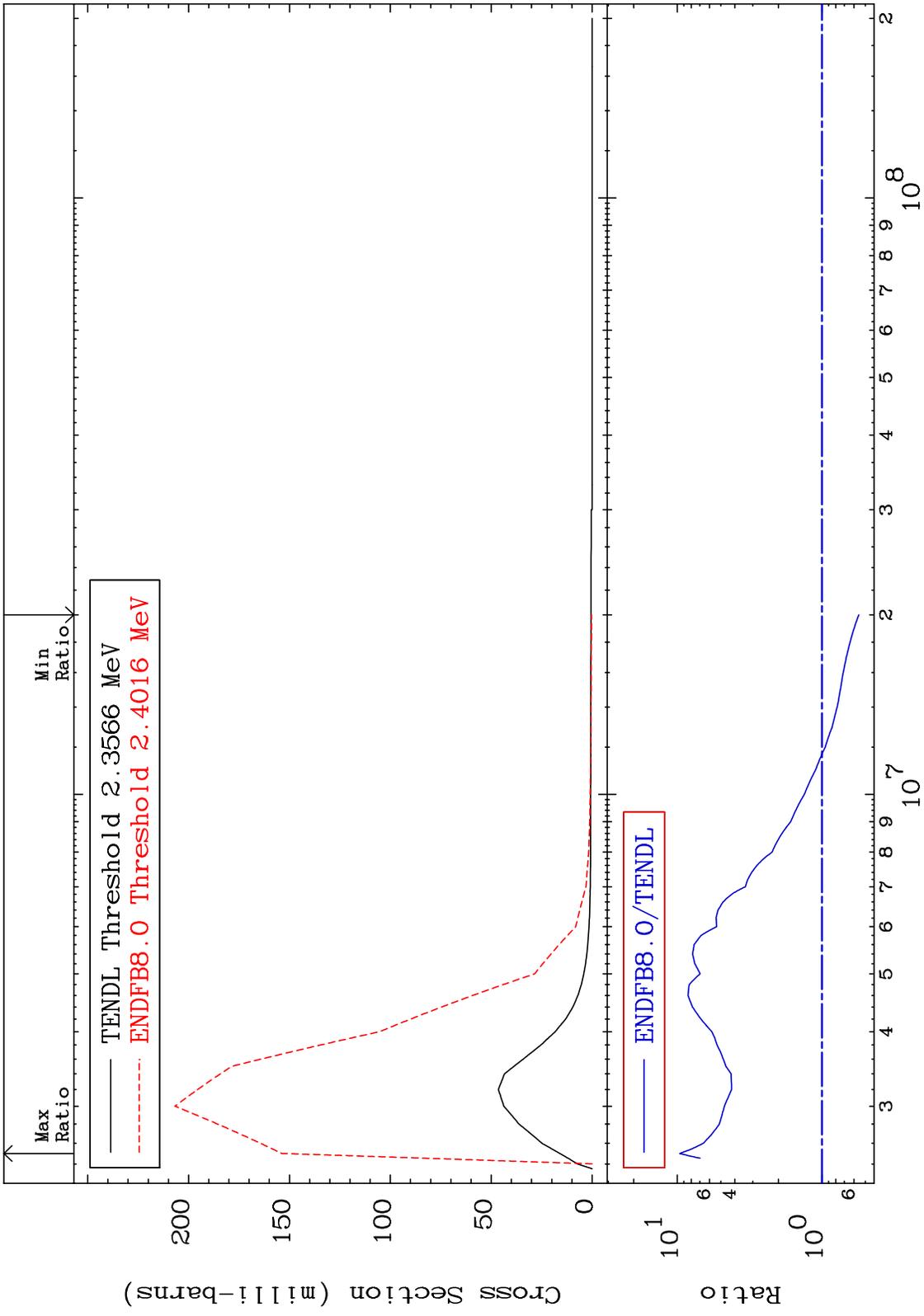
MAT 6025 MT= 55 (n,n') Level Cross Section 60-Nd-142
 -16.27 To 9999. %



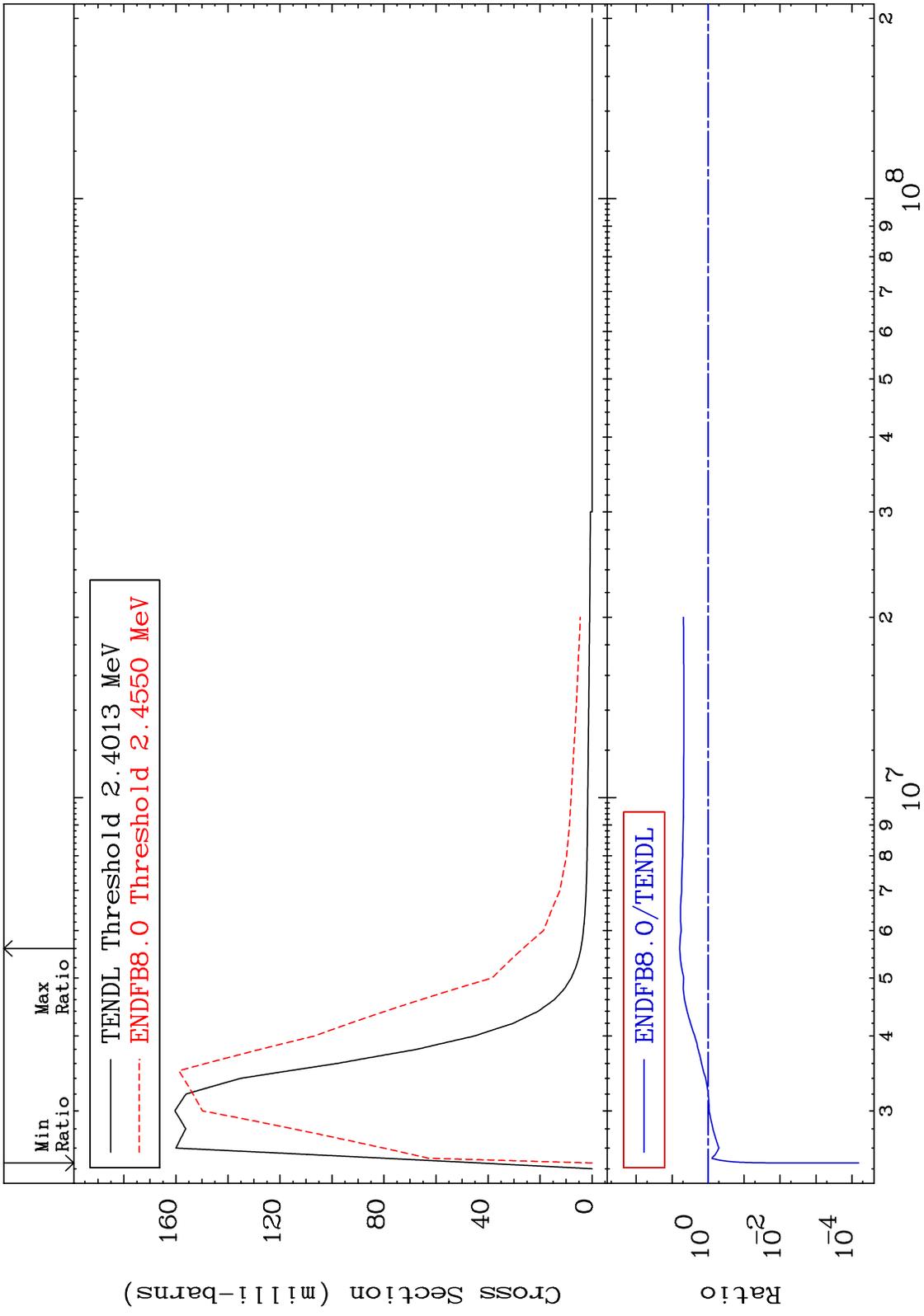
MAT 6025 MT= 56 (n,n') Level Cross Section 60-Nd-142
 -100.0 To 637.8 %



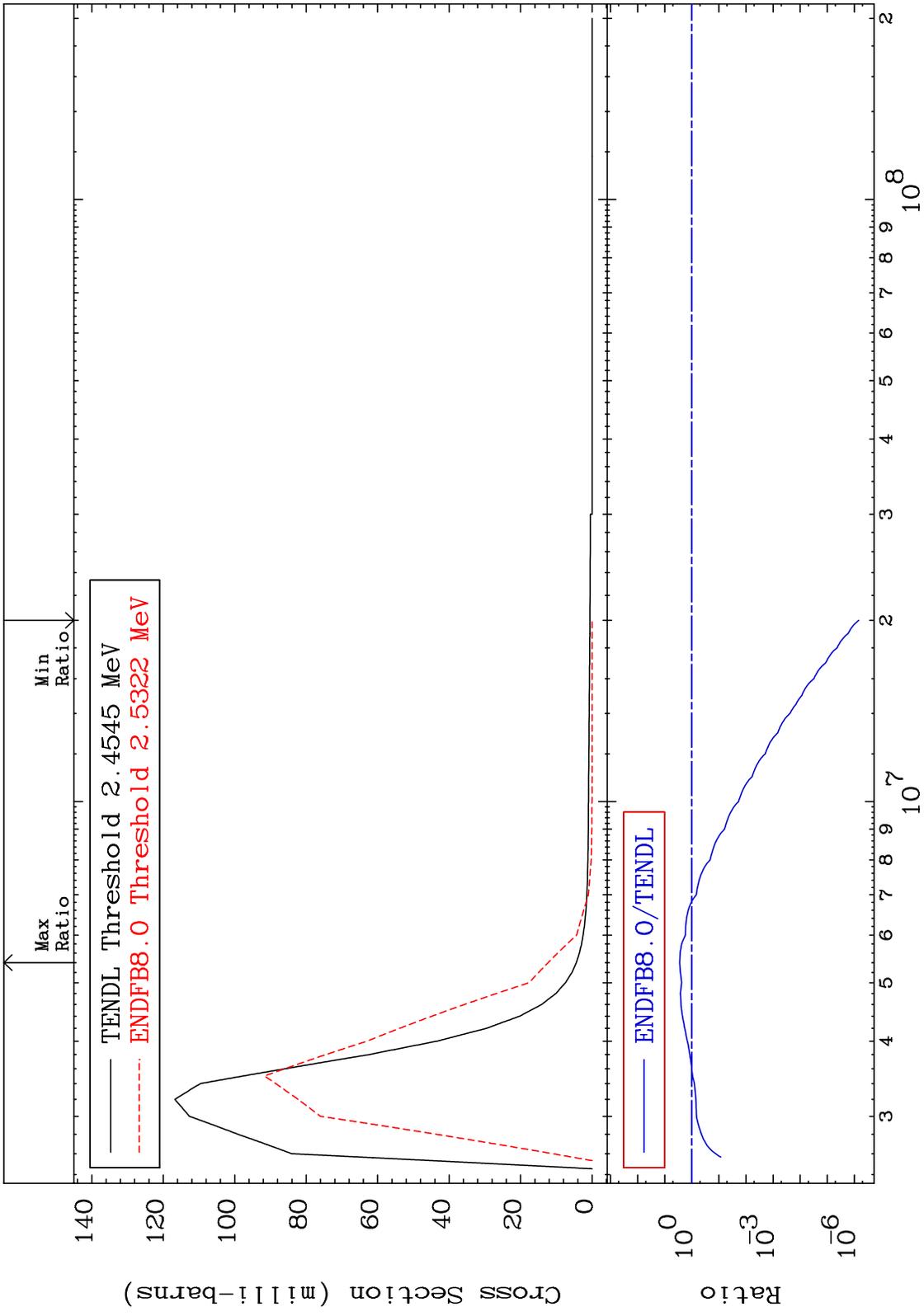
MAT 6025 MT= 57 (n,n') Level Cross Section 60-Nd-142
 -44.48 To 862.2 %



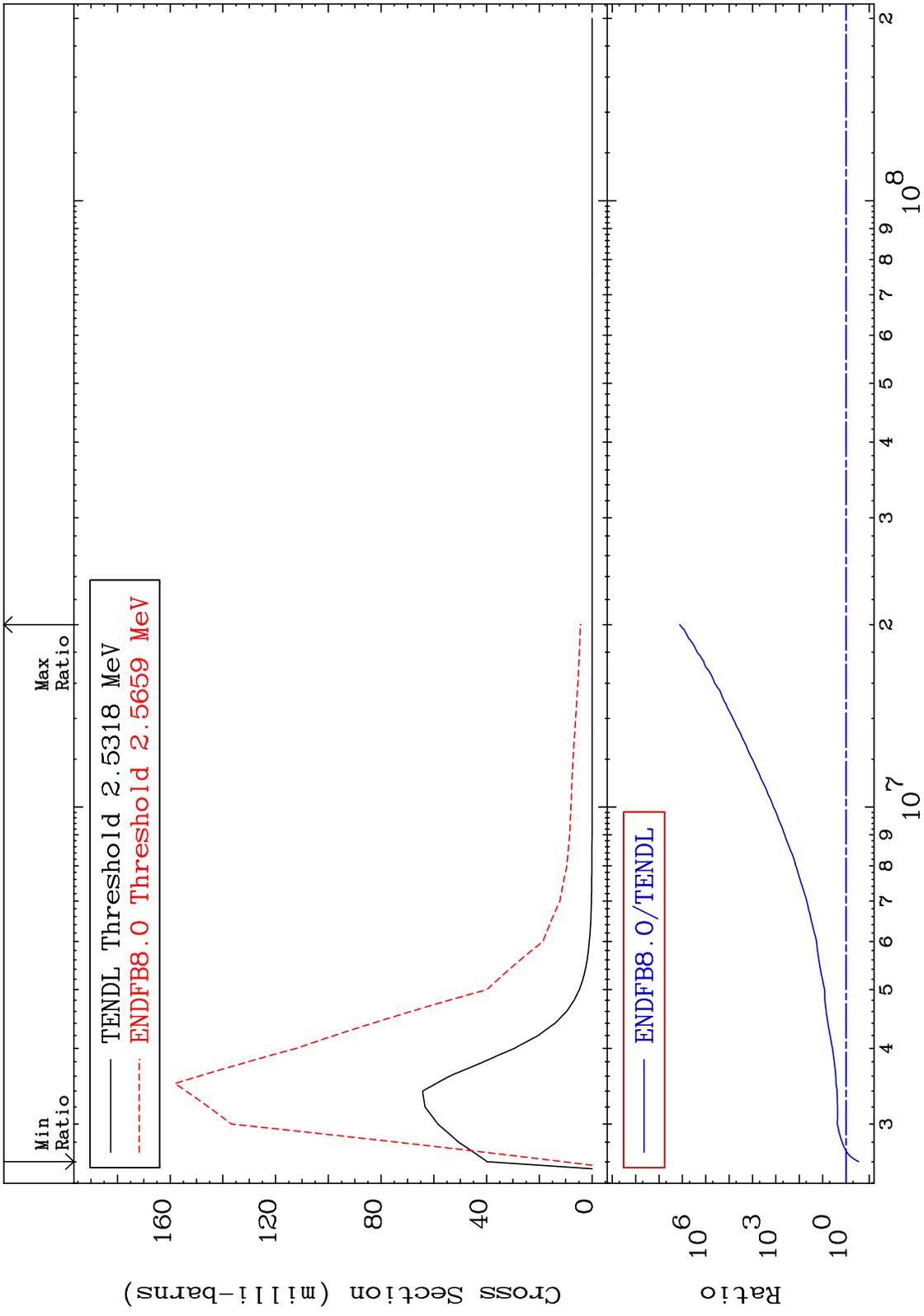
MAT 6025 MT= 58 (n,n') Level Cross Section 60-Nd-142 -99.99 To 515.2 %



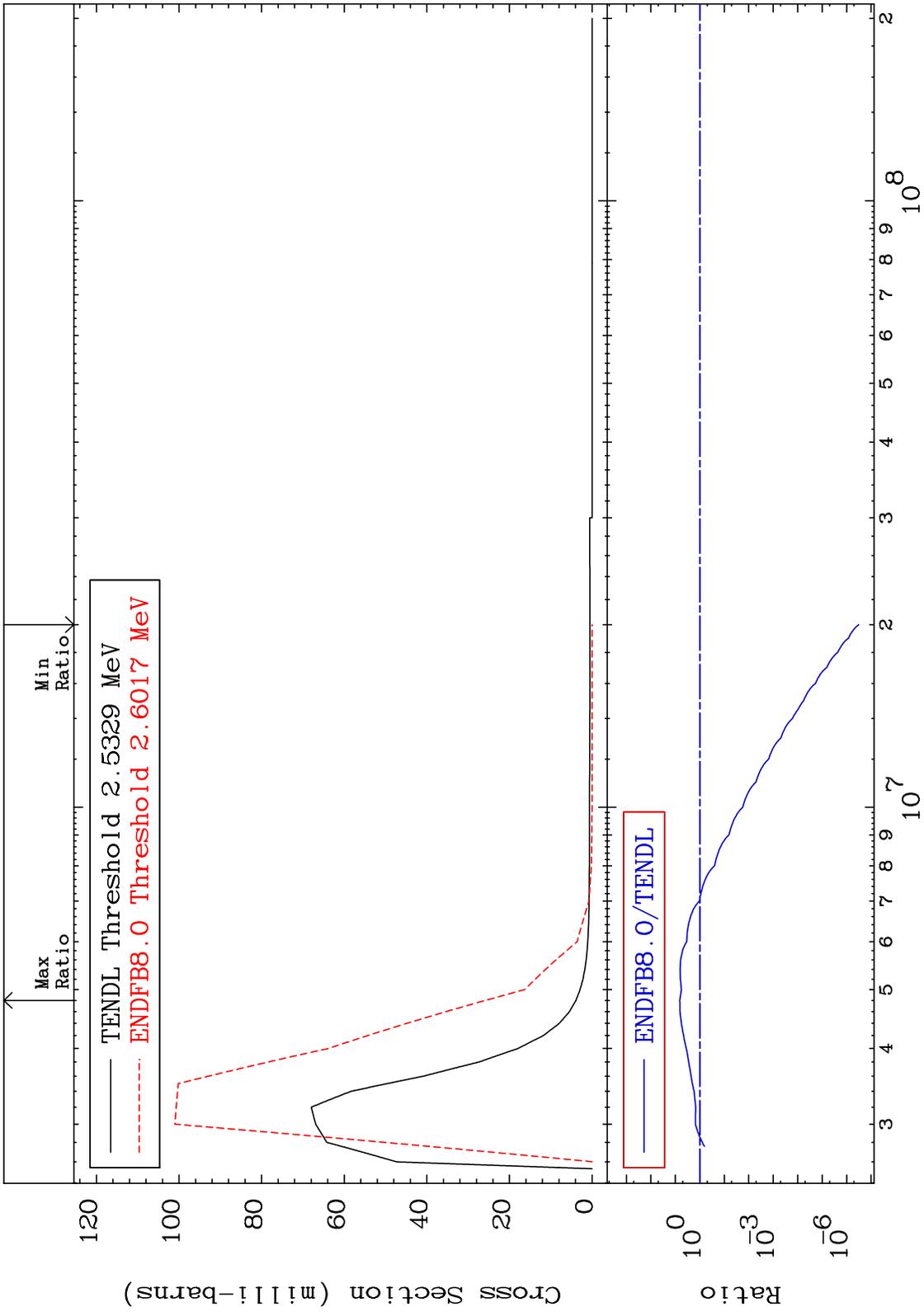
MAT 6025 MT= 59 (n,n') Level Cross Section 60-Nd-142
 -100.0 To 178.9 %



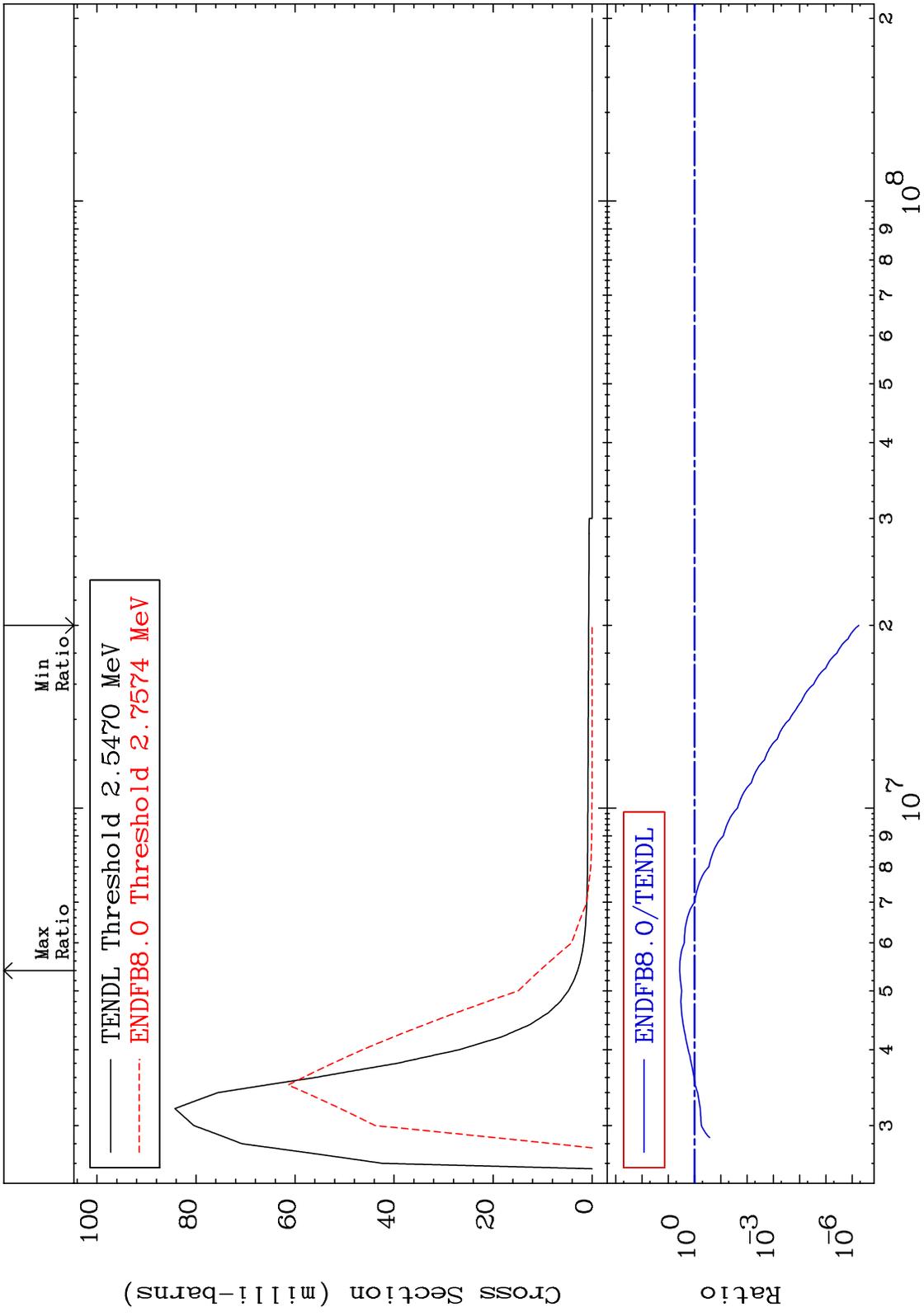
MAT 6025 MT= 60 (n,n') Level Cross Section 60-Nd-142
 -71.72 To 9999. %



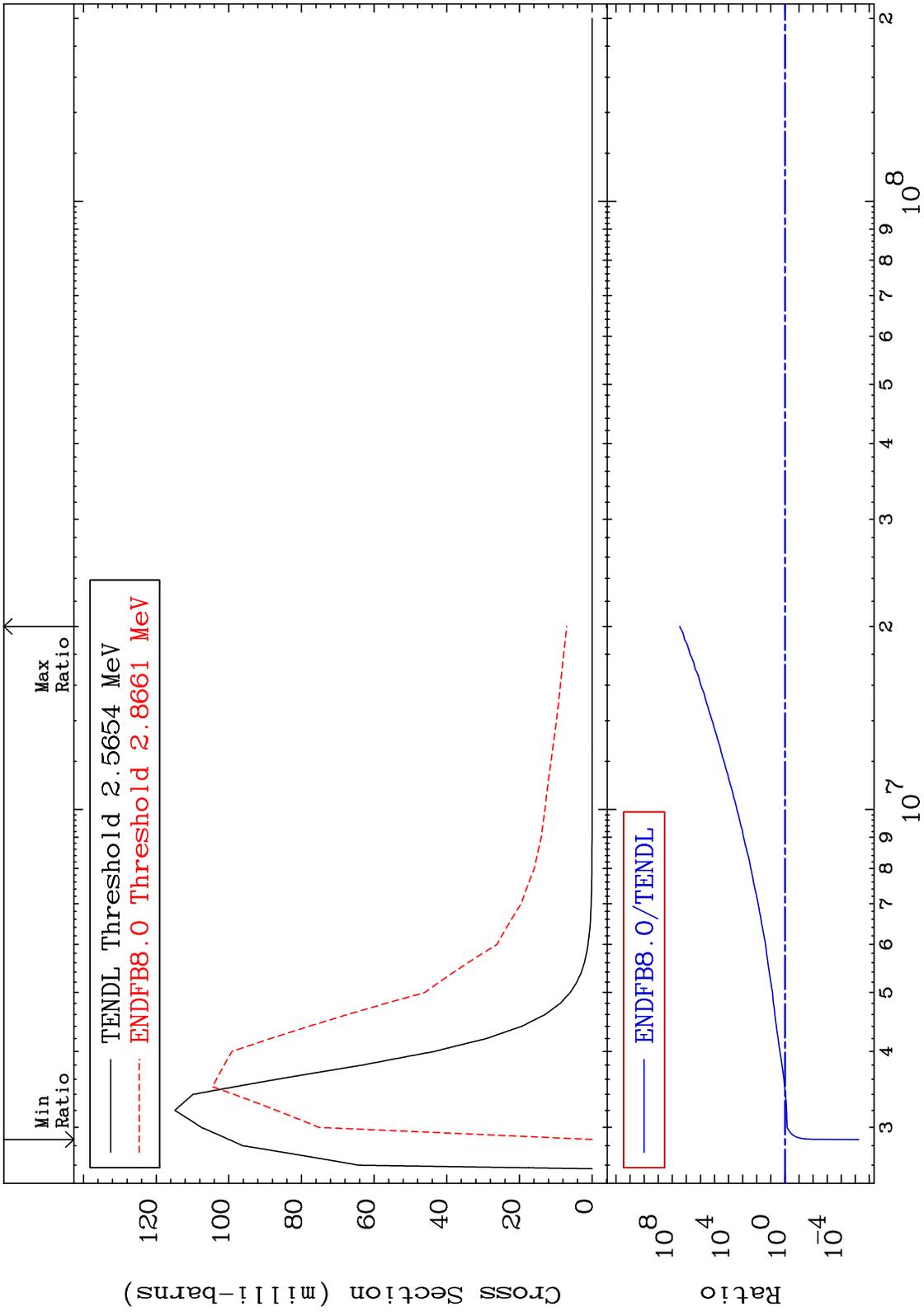
MAT 6025 MT= 61 (n,n') Level Cross Section 60-Nd-142
 -100.0 To 559.4 %



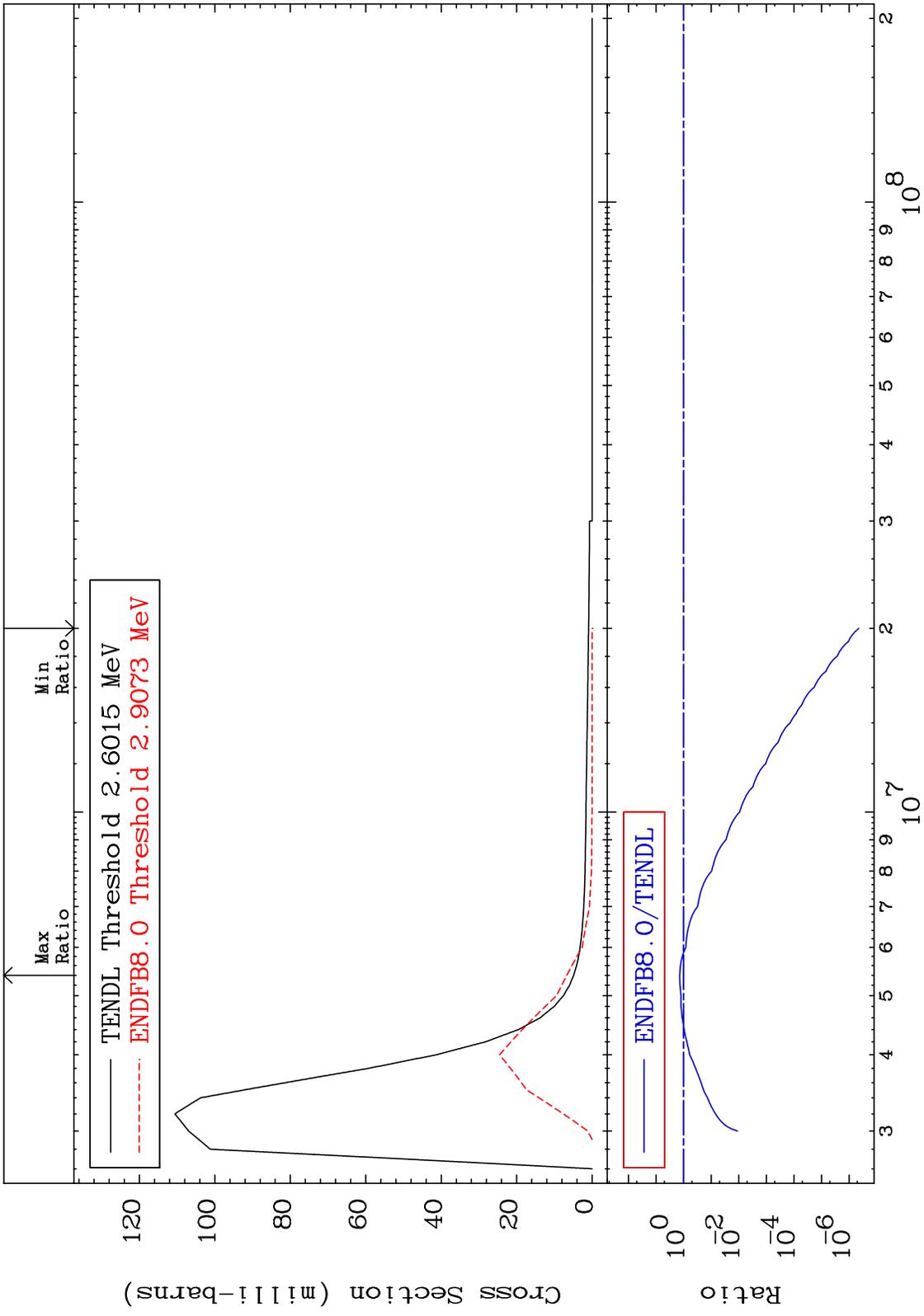
MAT 6025 MT= 62 (n,n') Level Cross Section 60-Nd-142
 -100.0 To 264.1 %



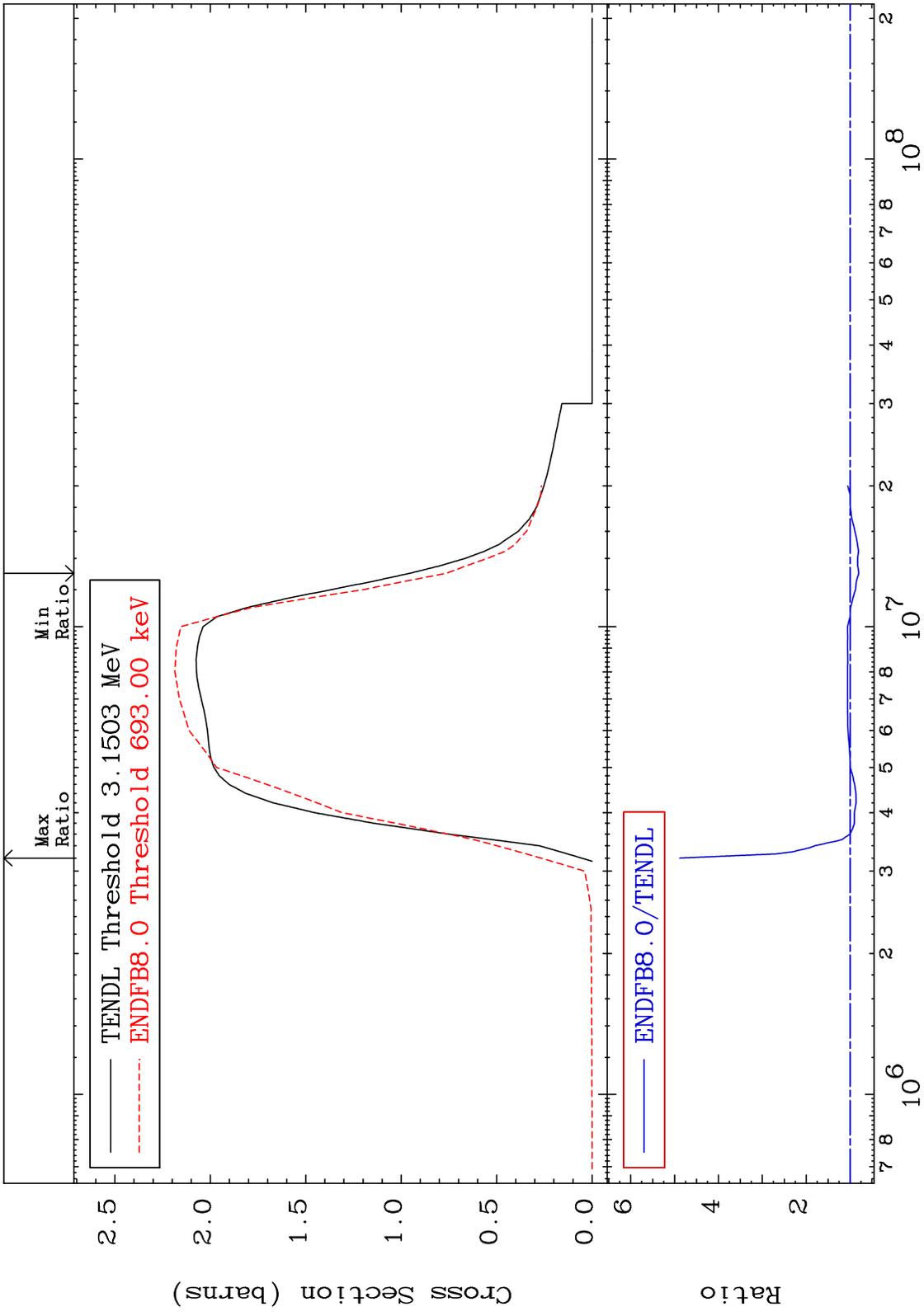
MAT 6025 MT= 63 (n,n') Level Cross Section 60-Nd-142 -100.0 To 9999. %



MAT 6025 MT= 64 (n,n') Level Cross Section 60-Nd-142
 -100.0 To 37.34 %



MAT 6025 (n, n') Continuum Cross Section 60-Nd-142 -19.99 To 388.2 %



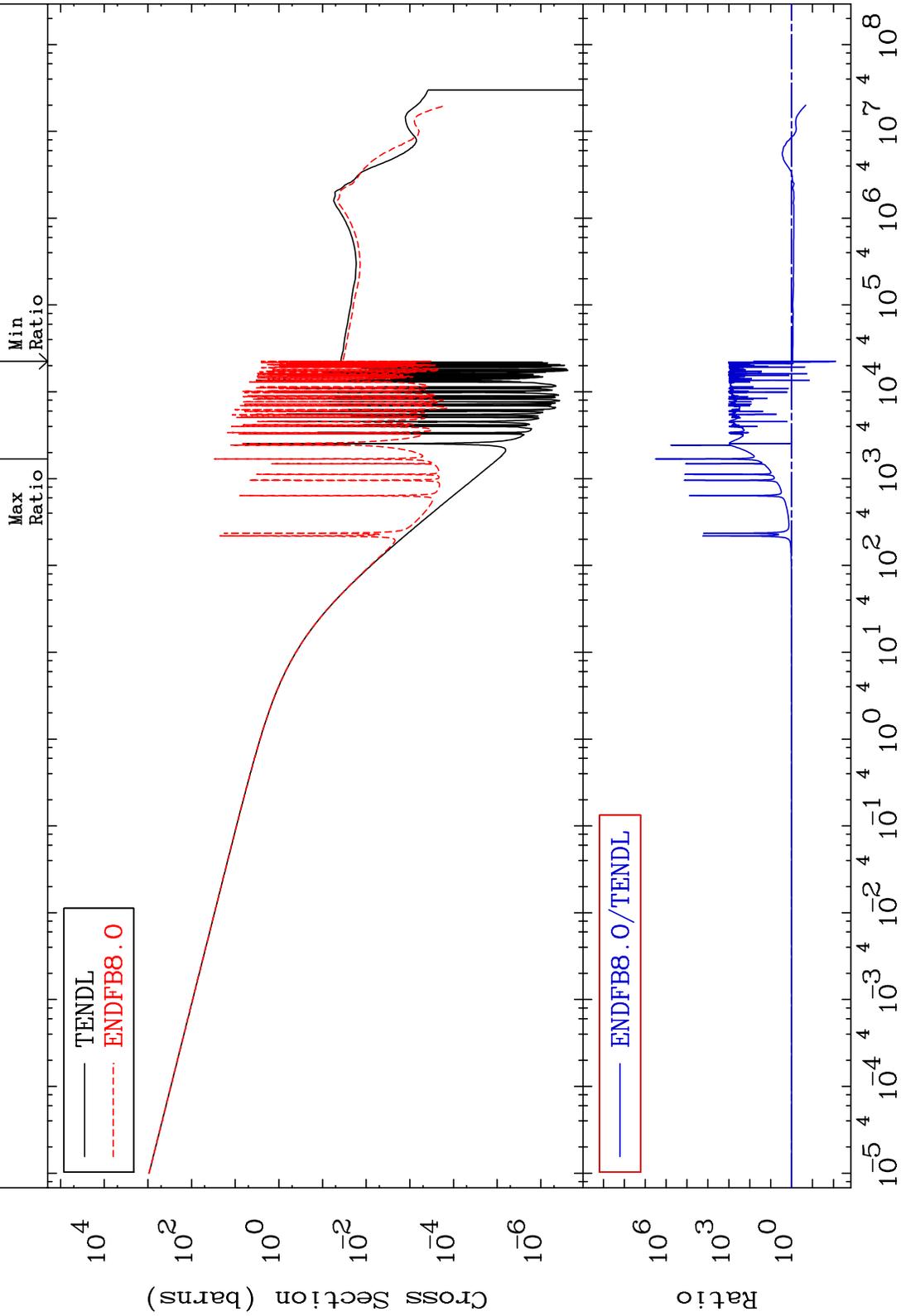
MAT 6025

(n, γ)

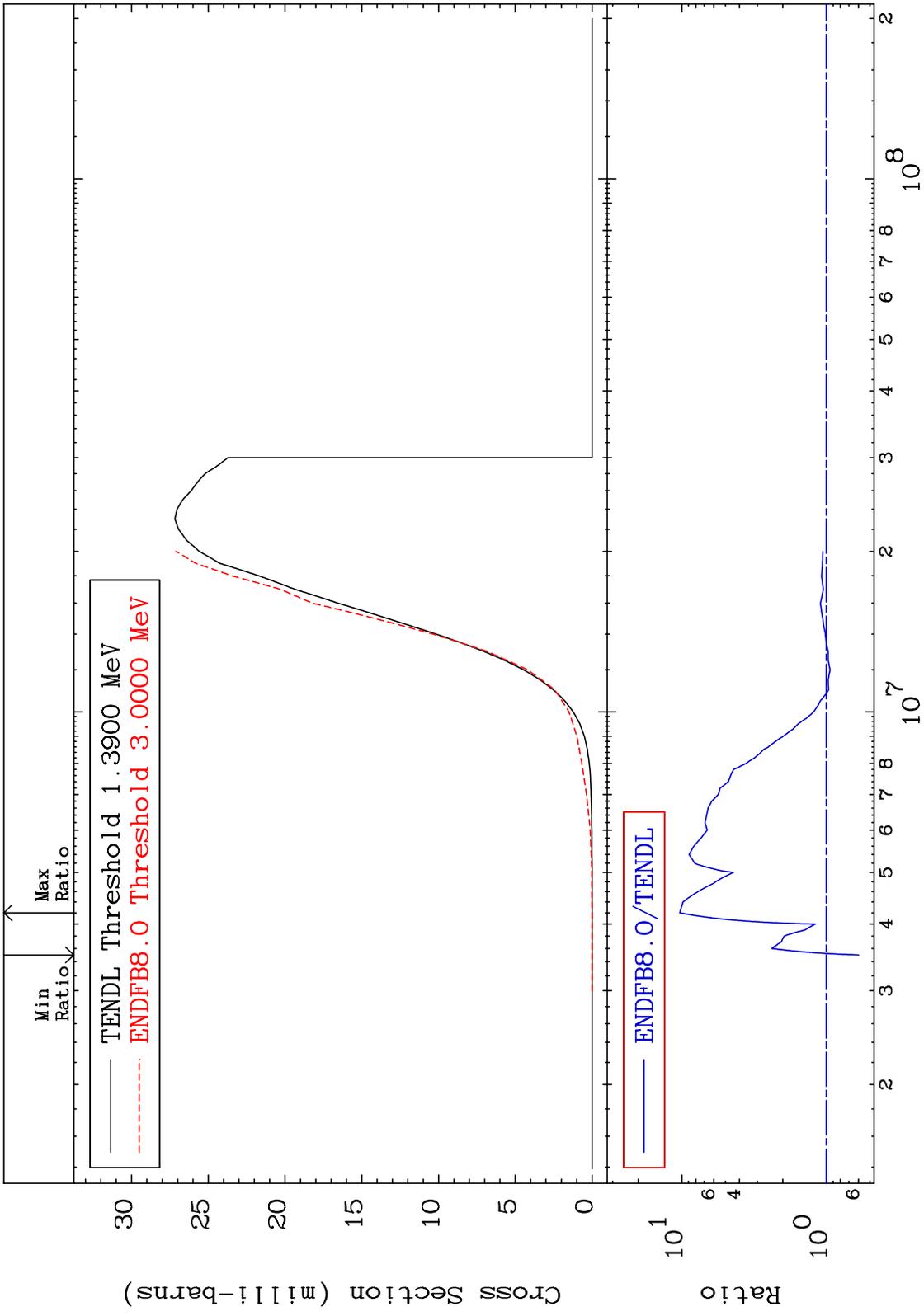
60-Nd-142

-99.21 To 9999. %

Cross Section



MAT 6025 (n,p) Cross Section 60-Nd-142 -40.28 To 933.1 %



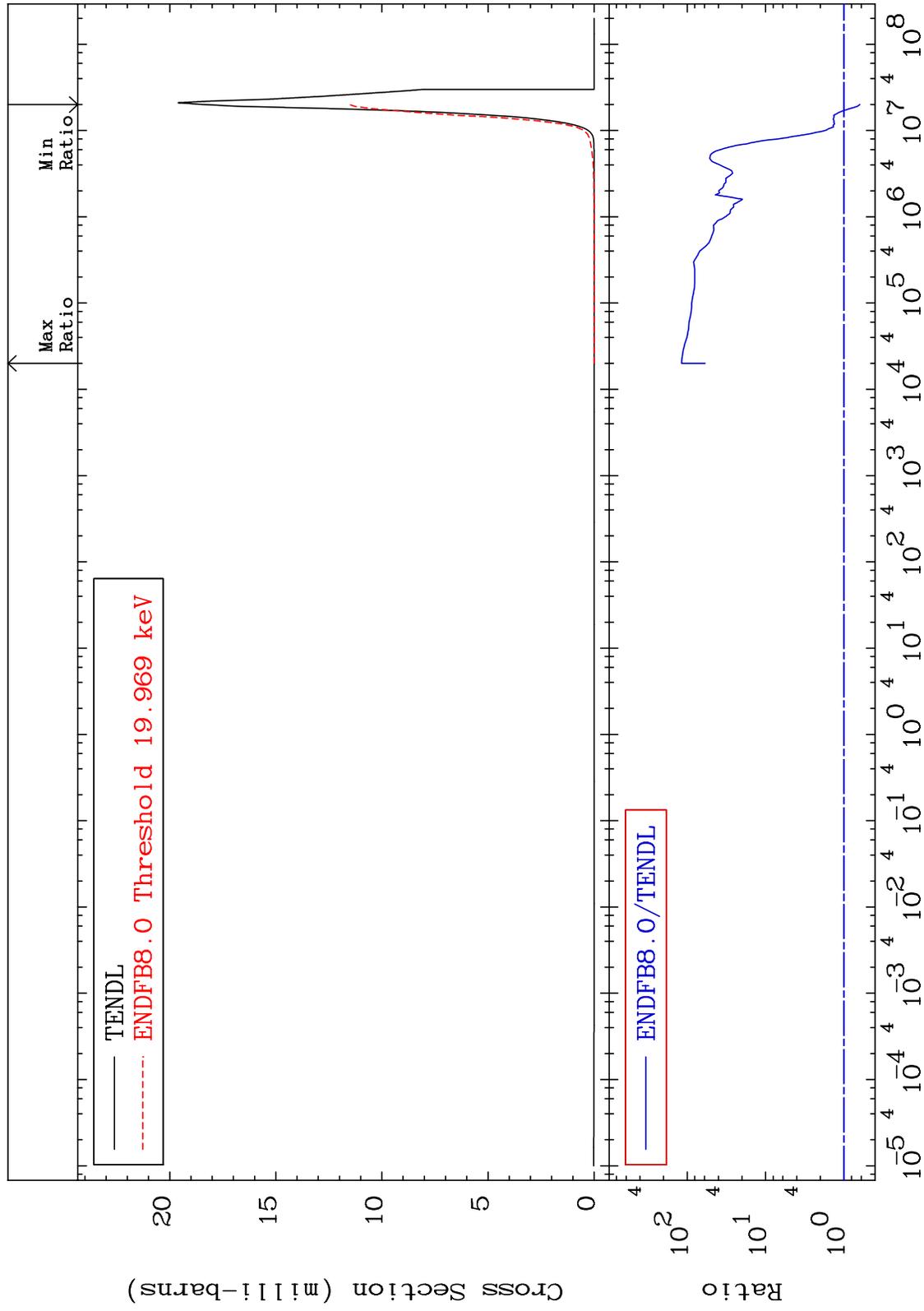
MAT 6025

(n, α)

60-Nd-142

Cross Section

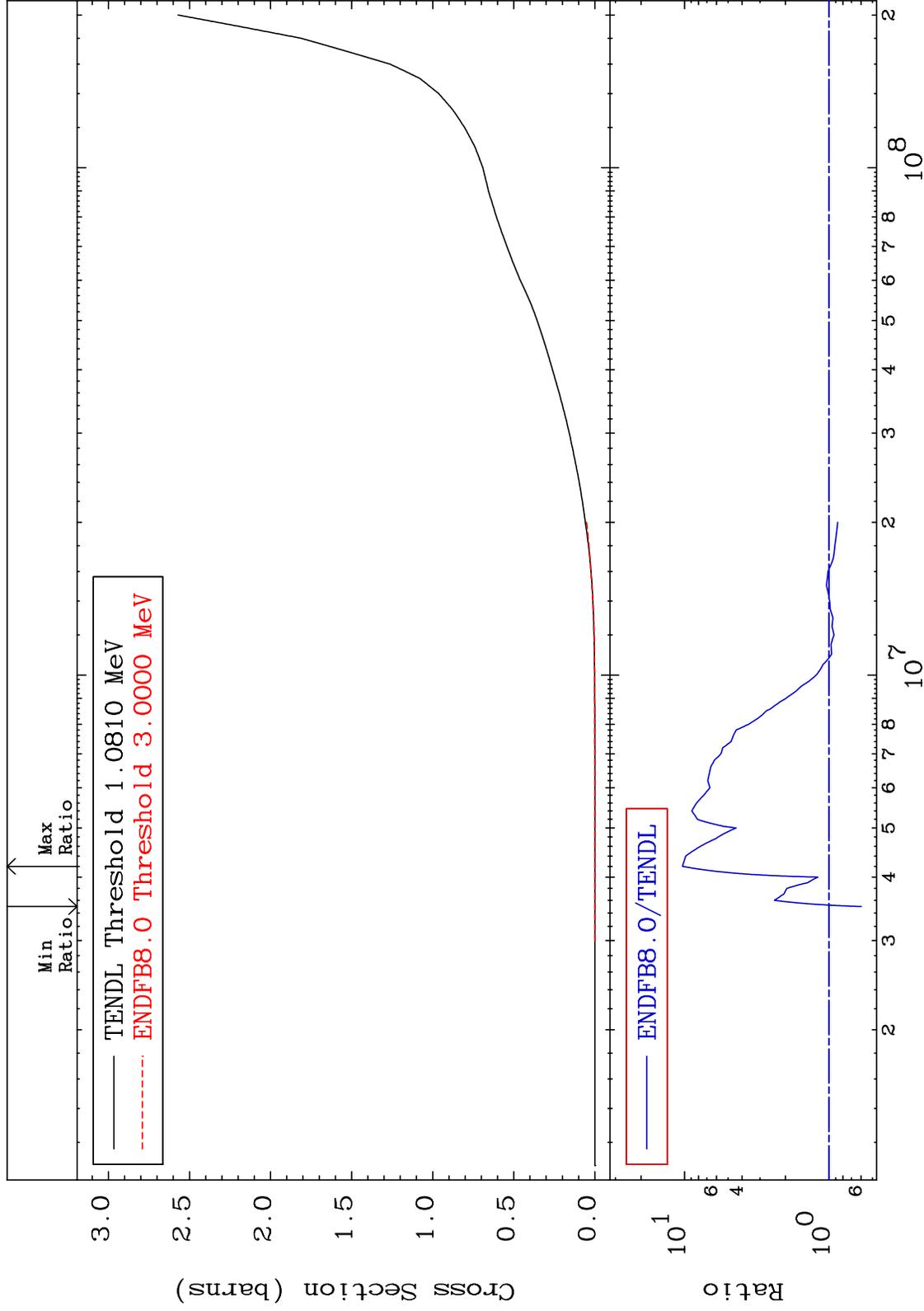
-37.47 To 9999. %



MAT 6025

Hydrogen Production
Cross Section

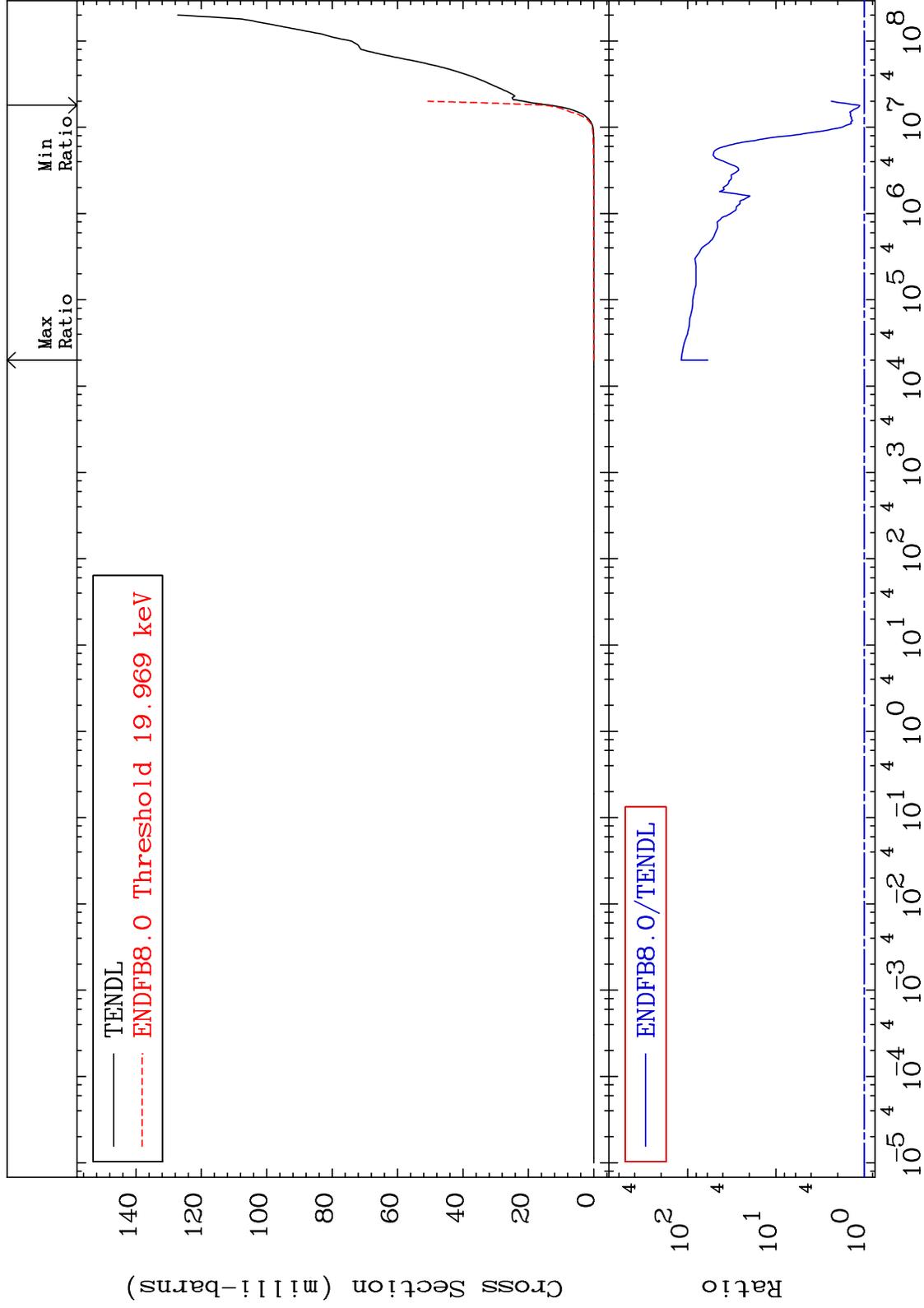
60-Nd-142
-40.28 To 933.1 %



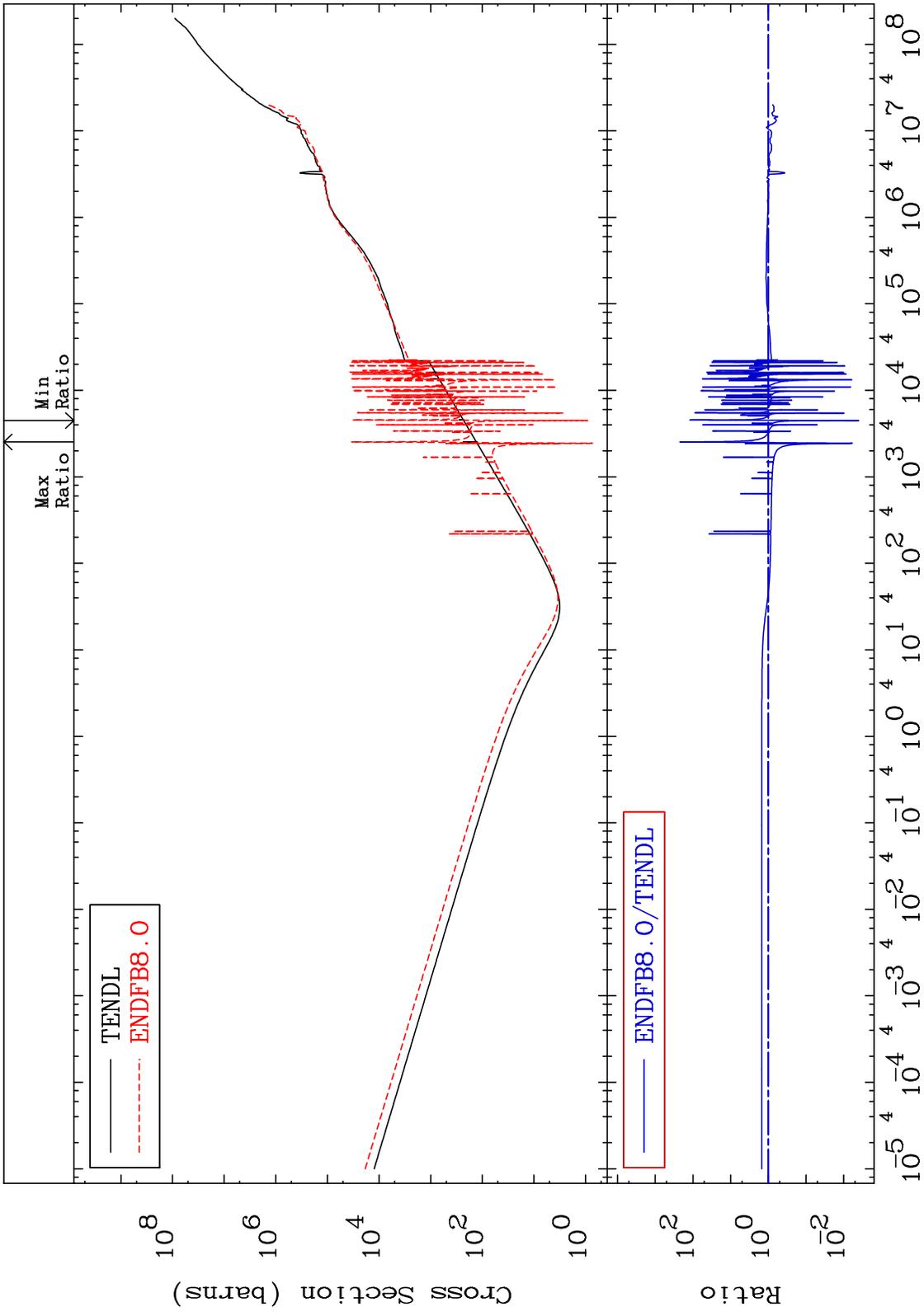
MAT 6025

He-4 Production
Cross Section

60-Nd-142
12.05 To 9999. %

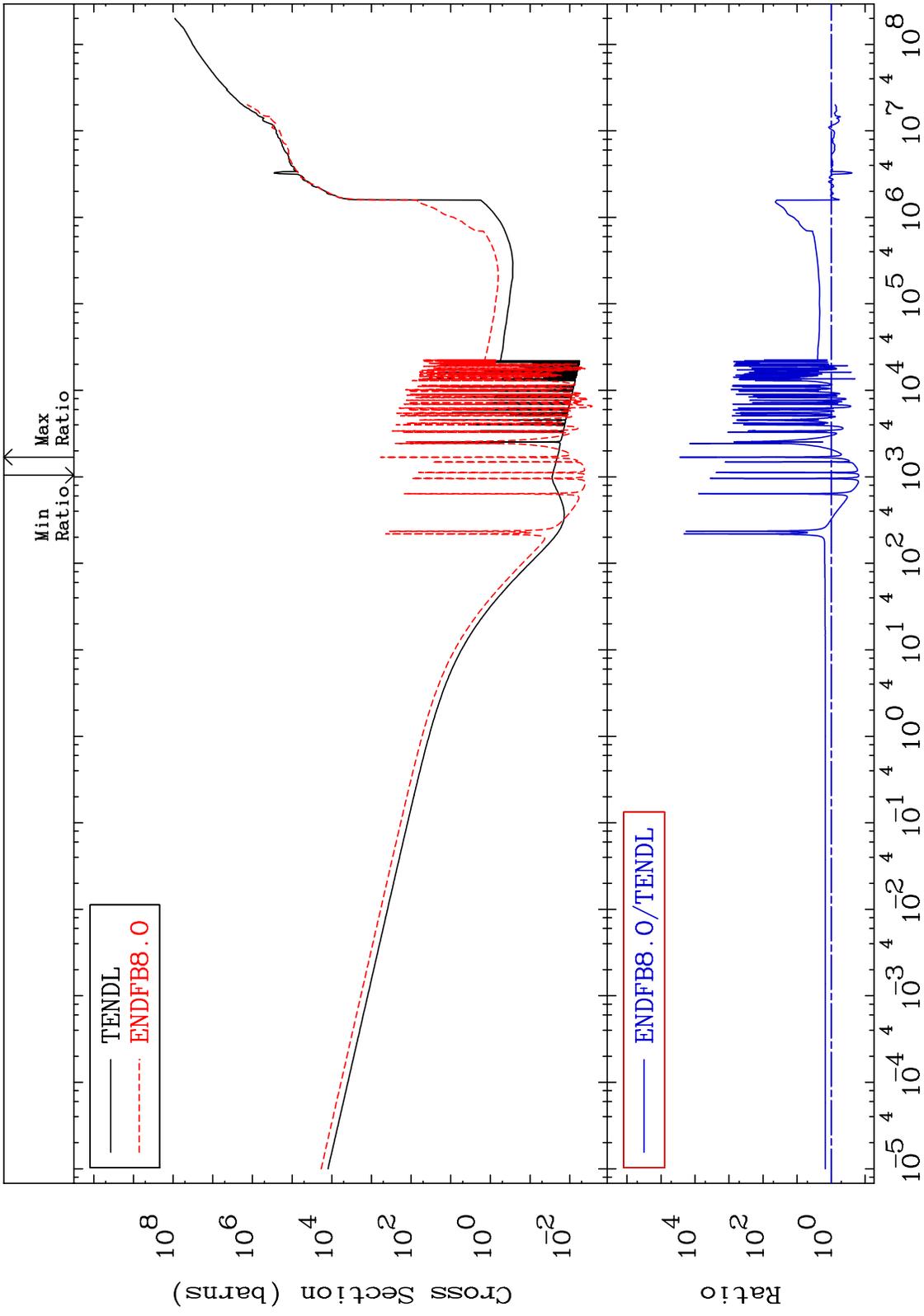


MAT 6025 Kerma total (eV-barns)
 Cross Section 60-Nd-142
 -99.60 To 9999. %

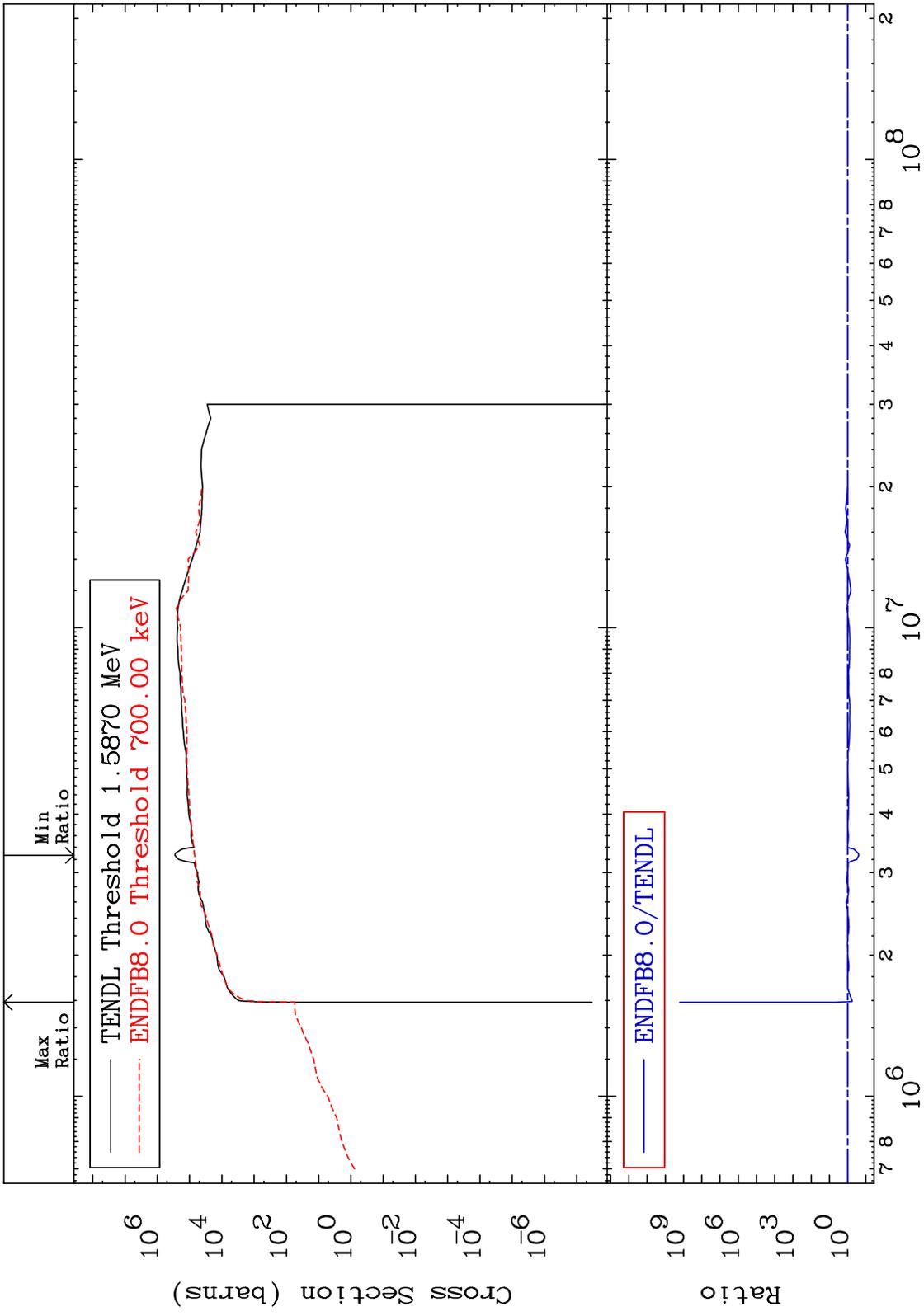


30 Incident Energy (eV) 60-Nd-142

MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section -84.71 To 9999. %



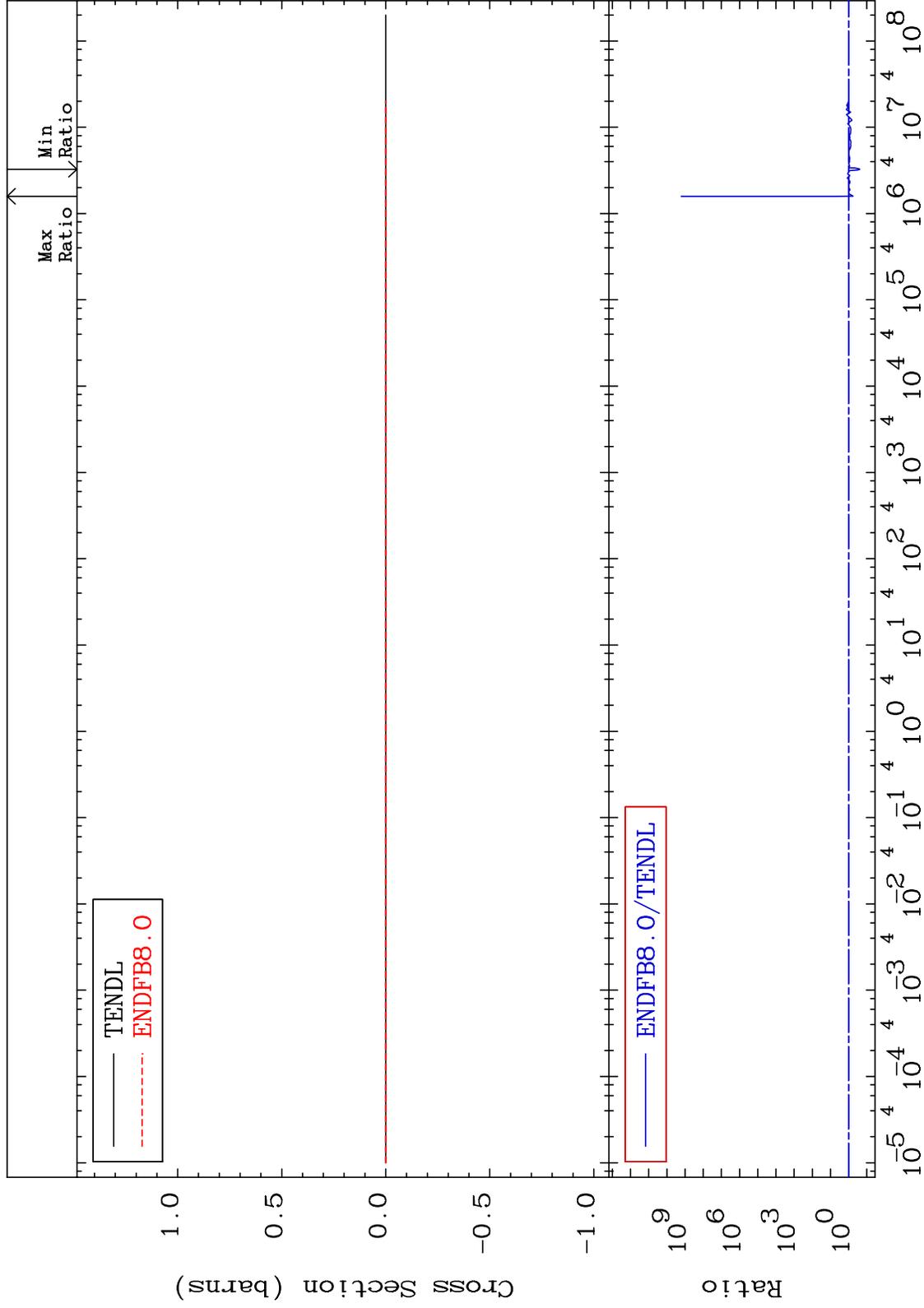
MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 -75.63 To 9999. %
 Cross Section



MAT 6025

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

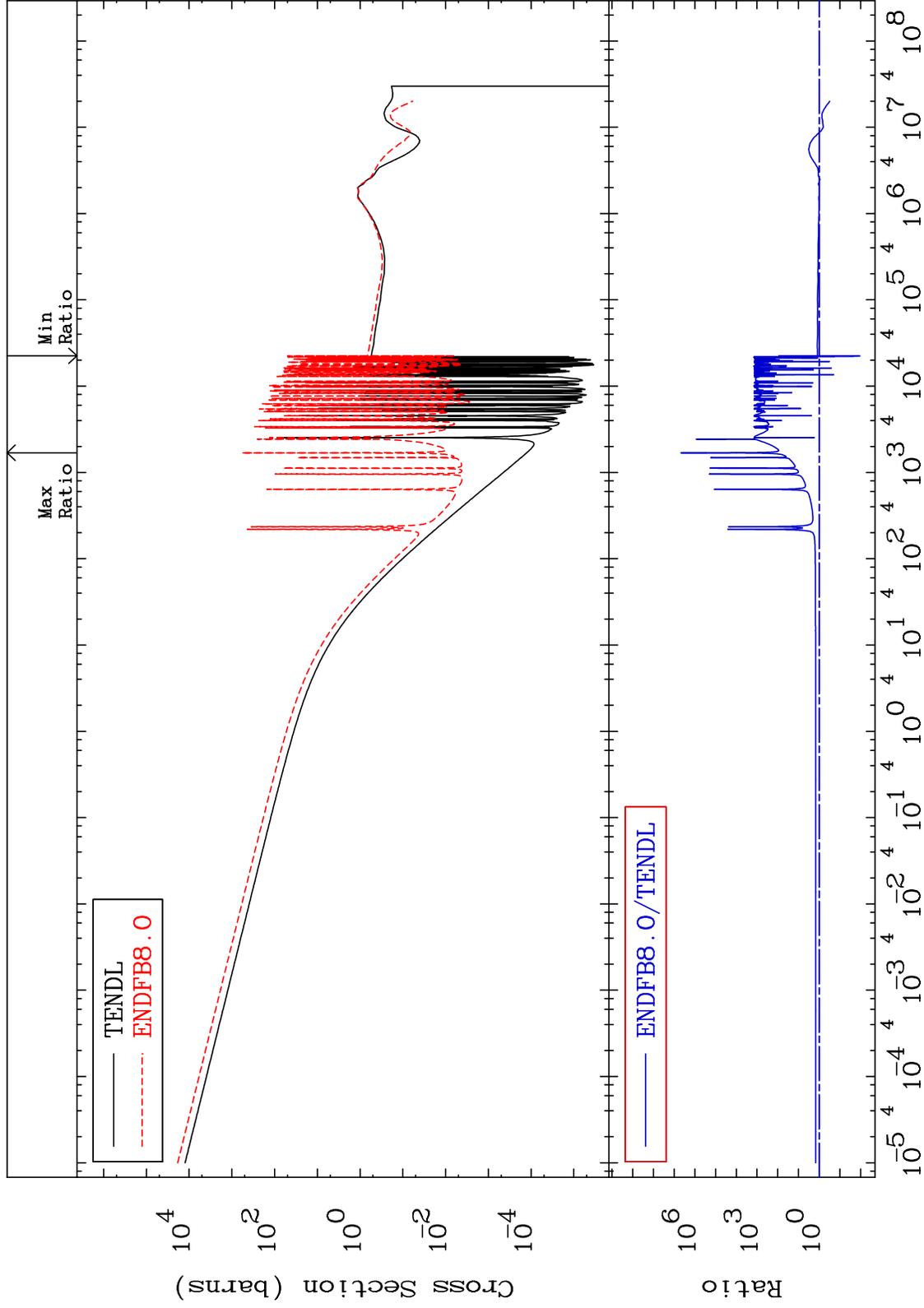
60-Nd-142
-75.63 To 9999. %



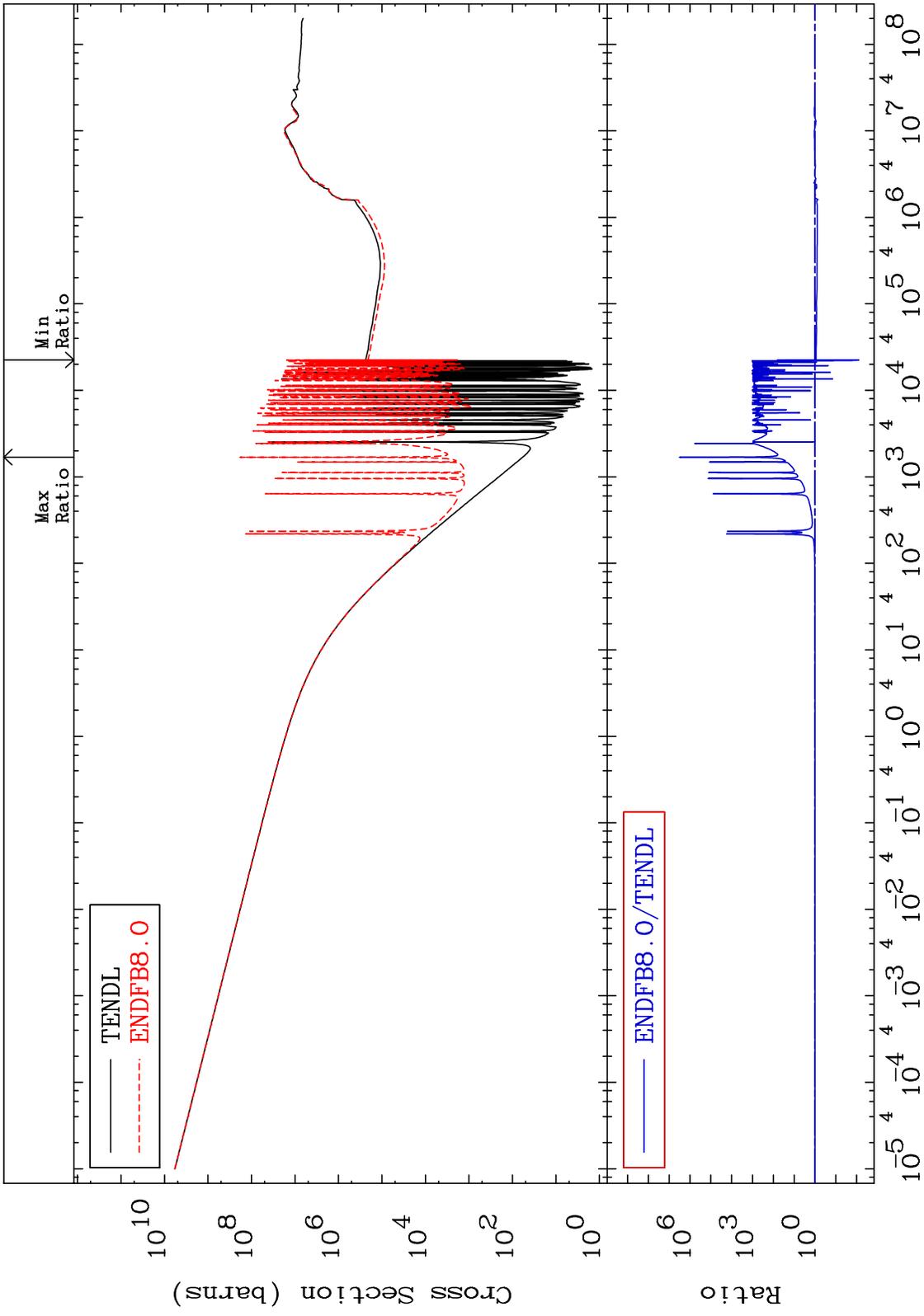
MAT 6025

Kerma capture (mt102)
Cross Section

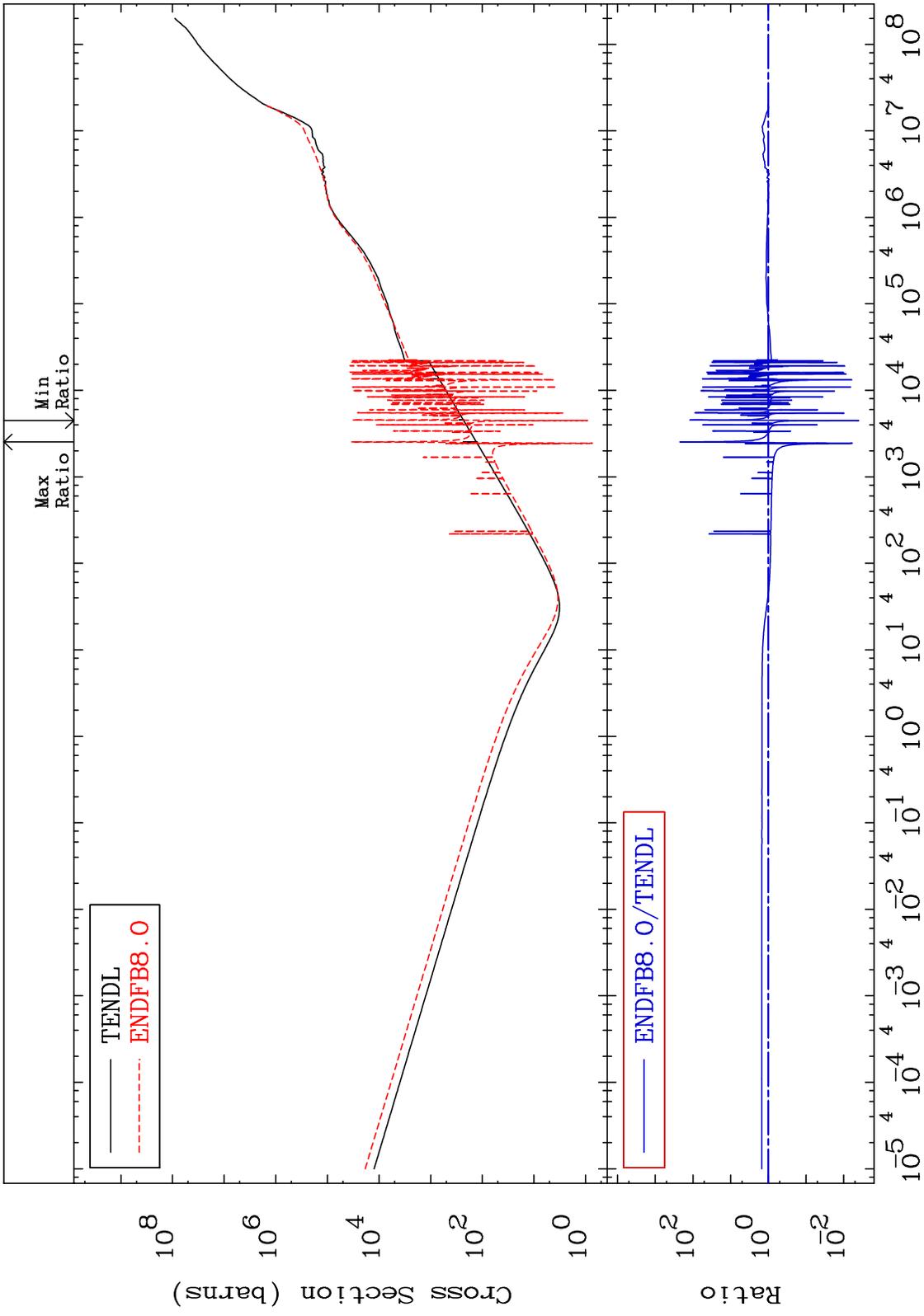
60-Nd-142
-98.91 To 9999. %



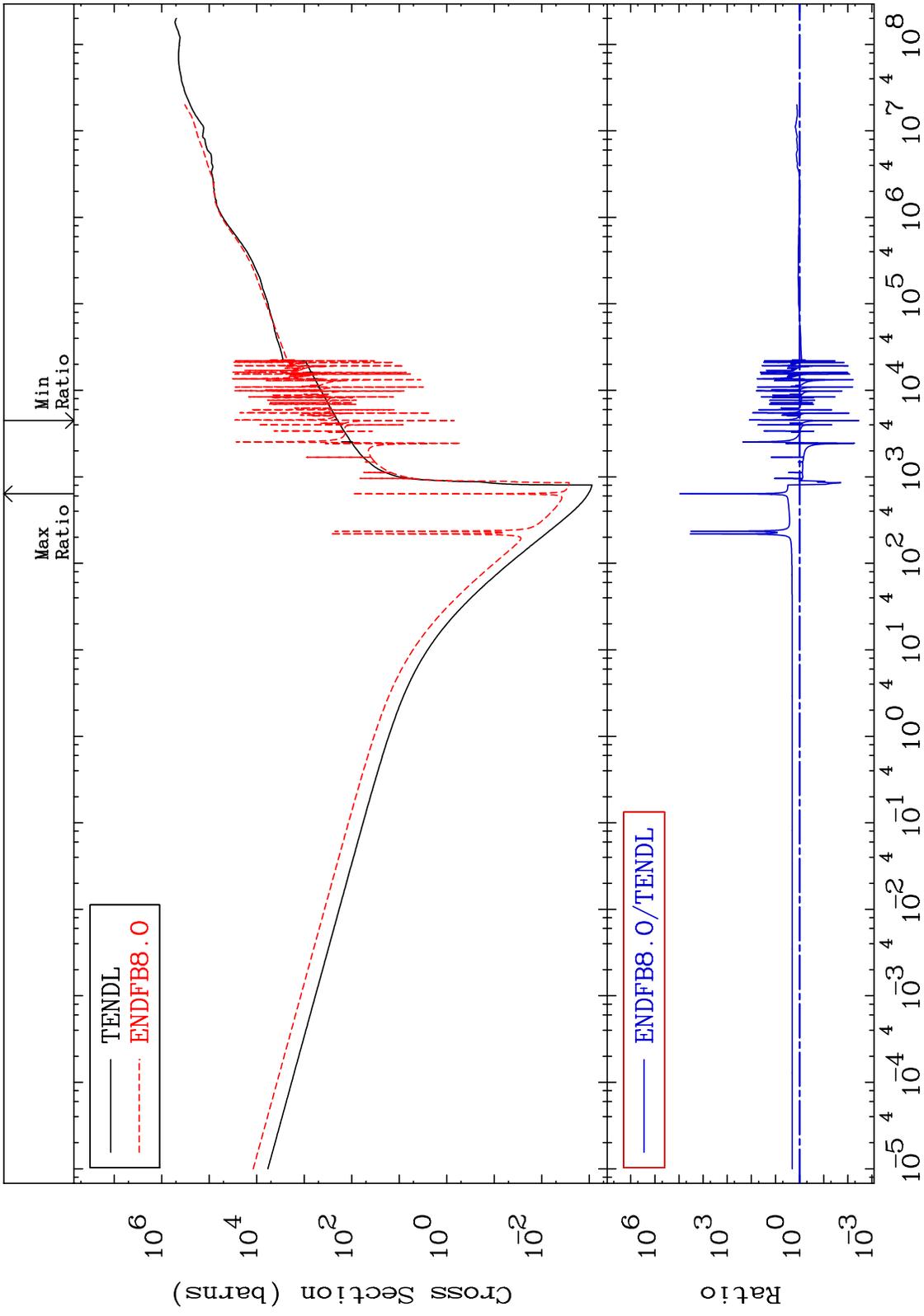
MAT 6025 60-Nd-142
-99.21 To 9999. %
 Total photon (eV-barns)
 Cross Section



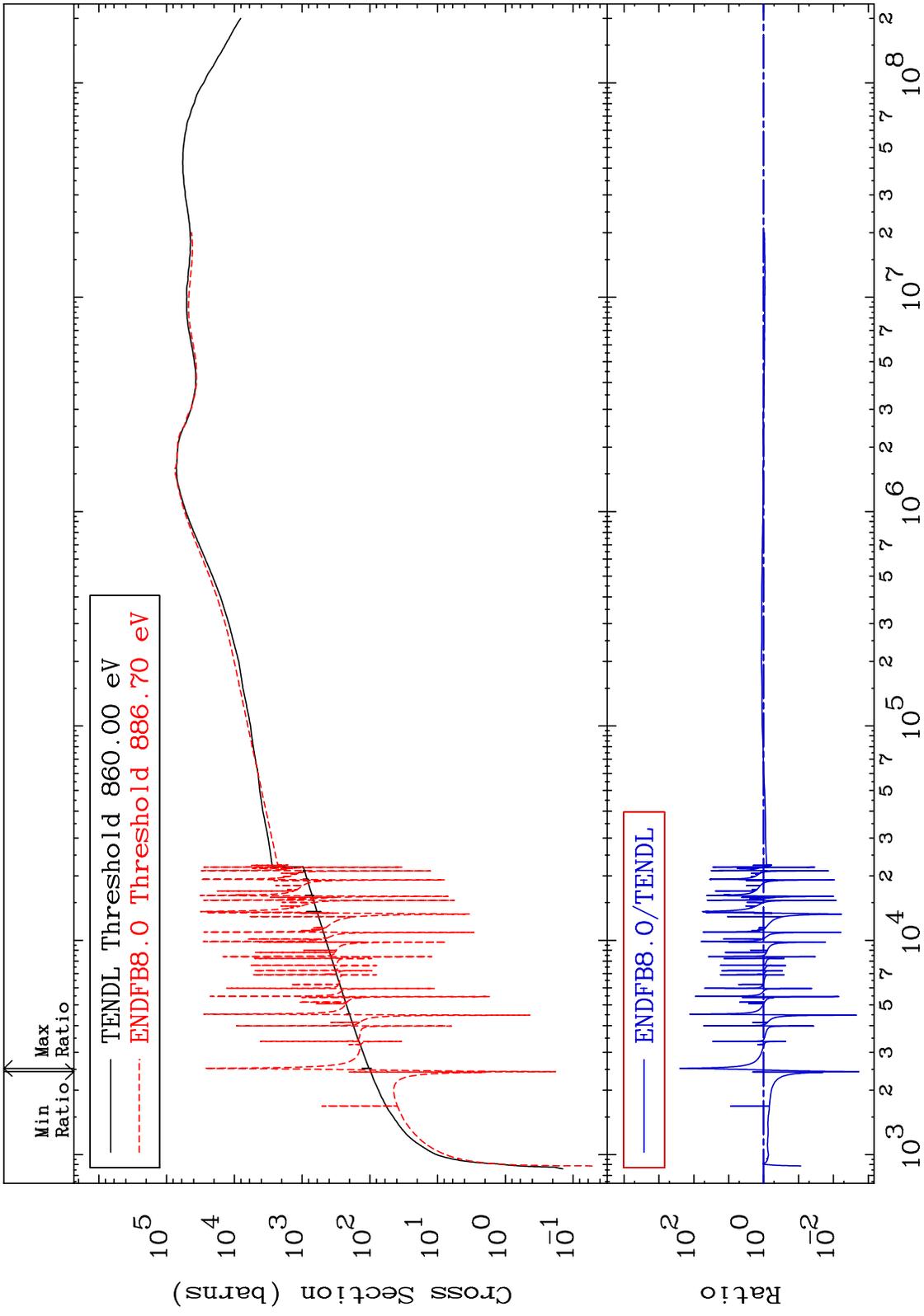
MAT 6025 Total kinematic kerma (high limit) 60-Nd-142
 Cross Section -99.60 To 9999. %



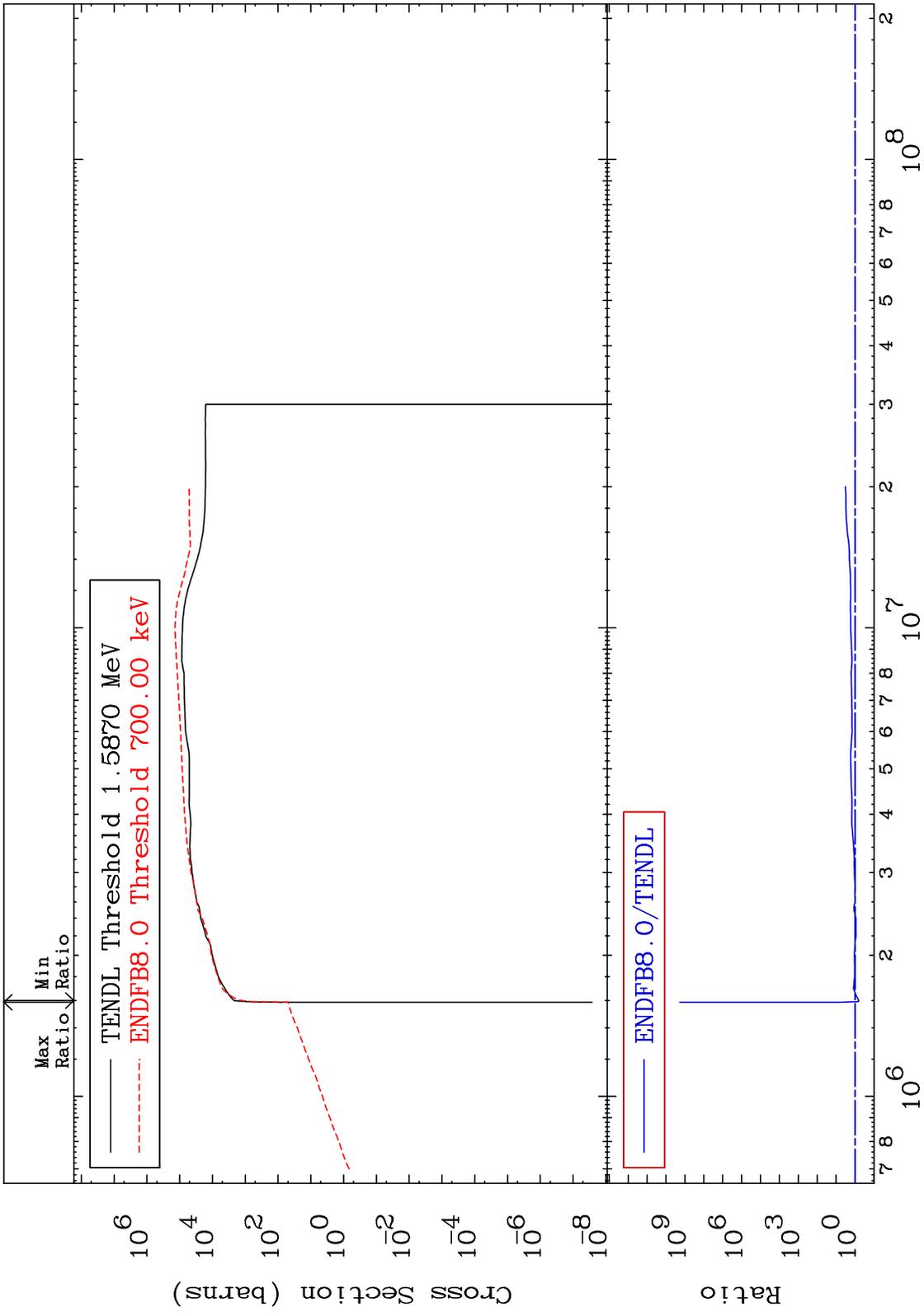
MAT 6025 Dpa total (eV-barns) 60-Nd-142
 -99.65 To 9999. %



MAT 6025 60-Nd-142
 Dpa elastic (mt2) -99.81 To 9999. %
 Cross Section



MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -37.31 To 9999. %



40 Incident Energy (eV) 60-Nd-142

MAT 6025

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-142
-93.48 To 9999. %

