

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

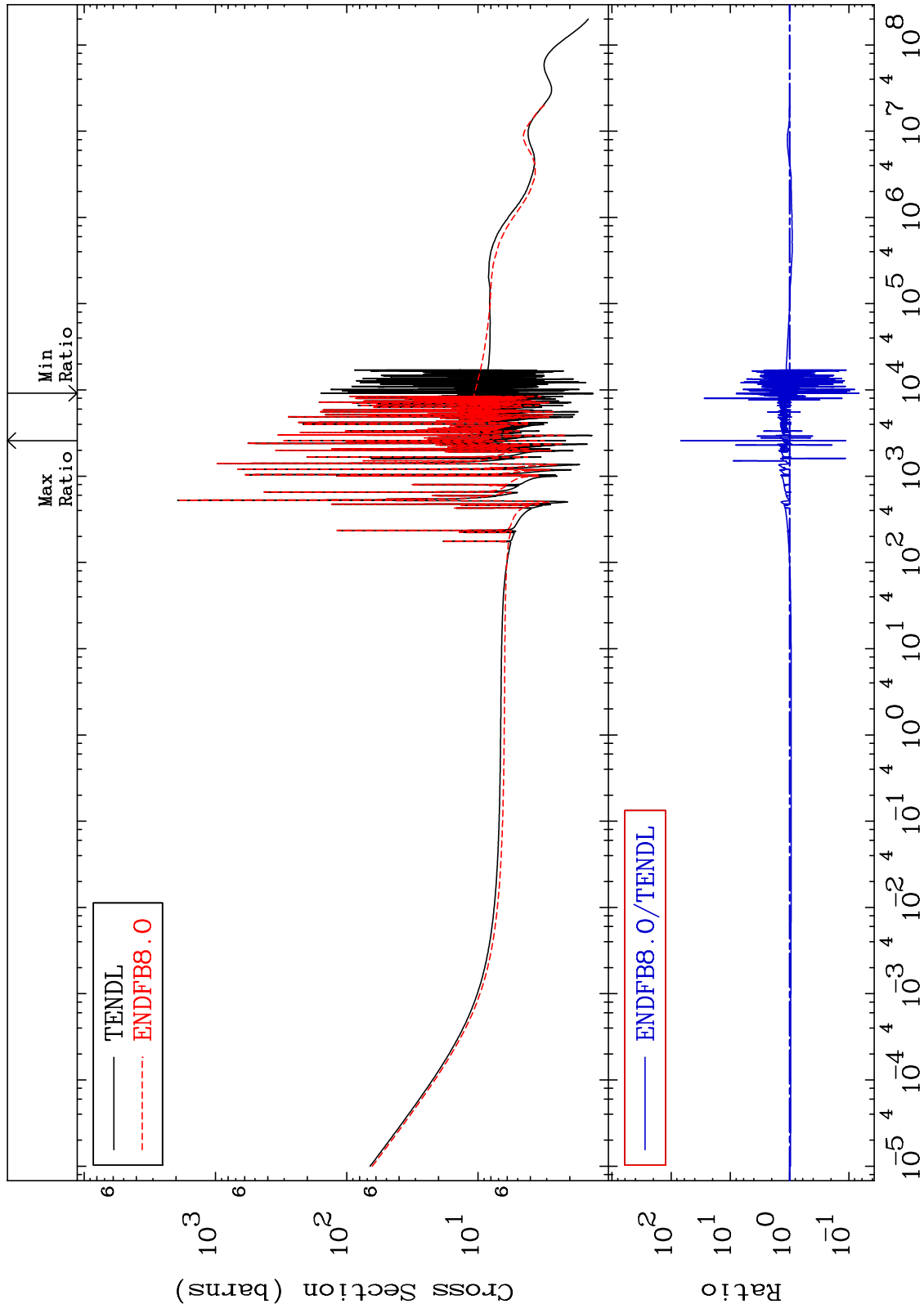
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3725

Total
Cross Section

37-Rb-85
-93.27 To 6814. %



1

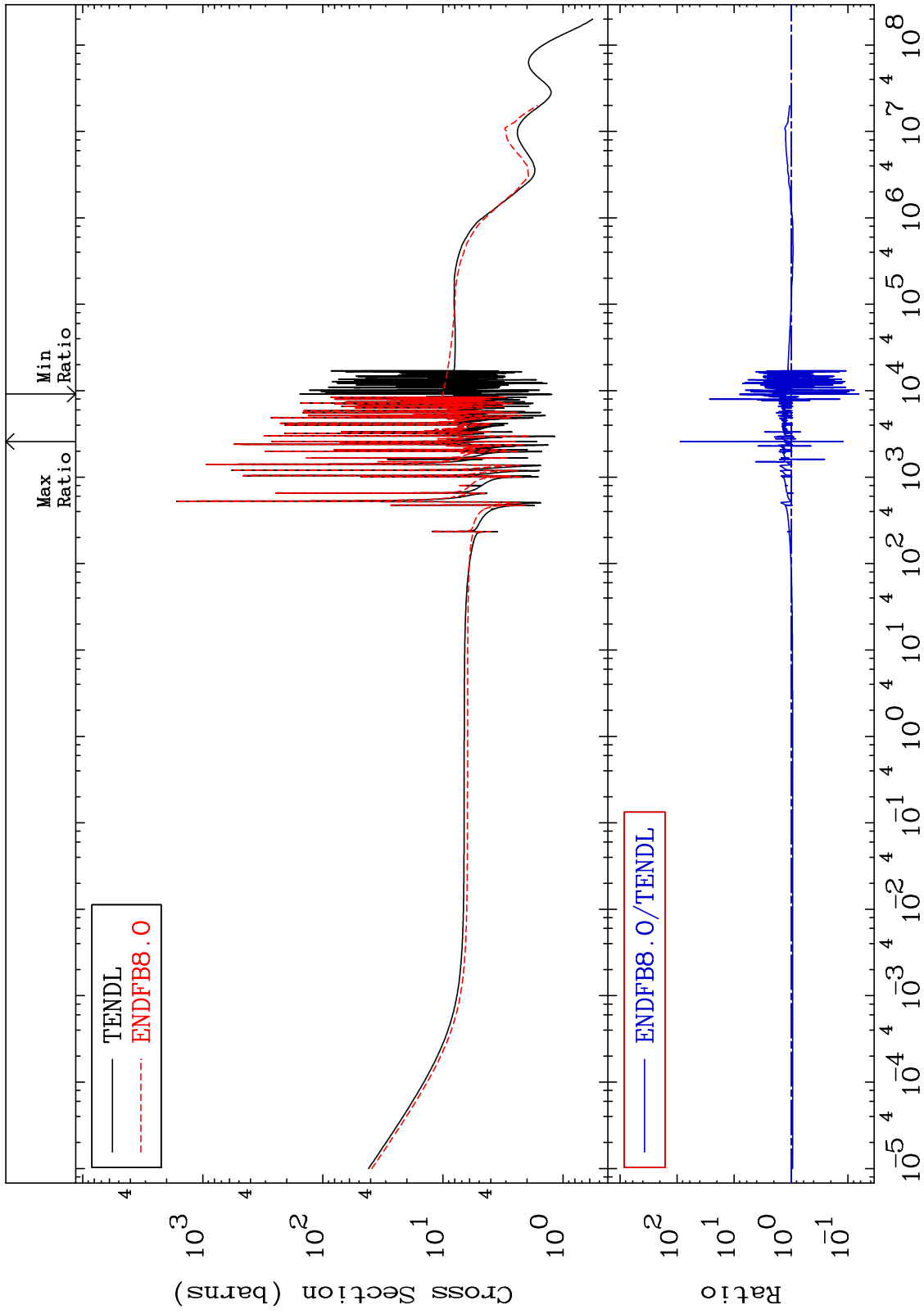
Incident Energy (eV)

37-Rb-85

MAT 3725

Elastic
Cross Section

37-Rb-85
-93.56 To 8704. %

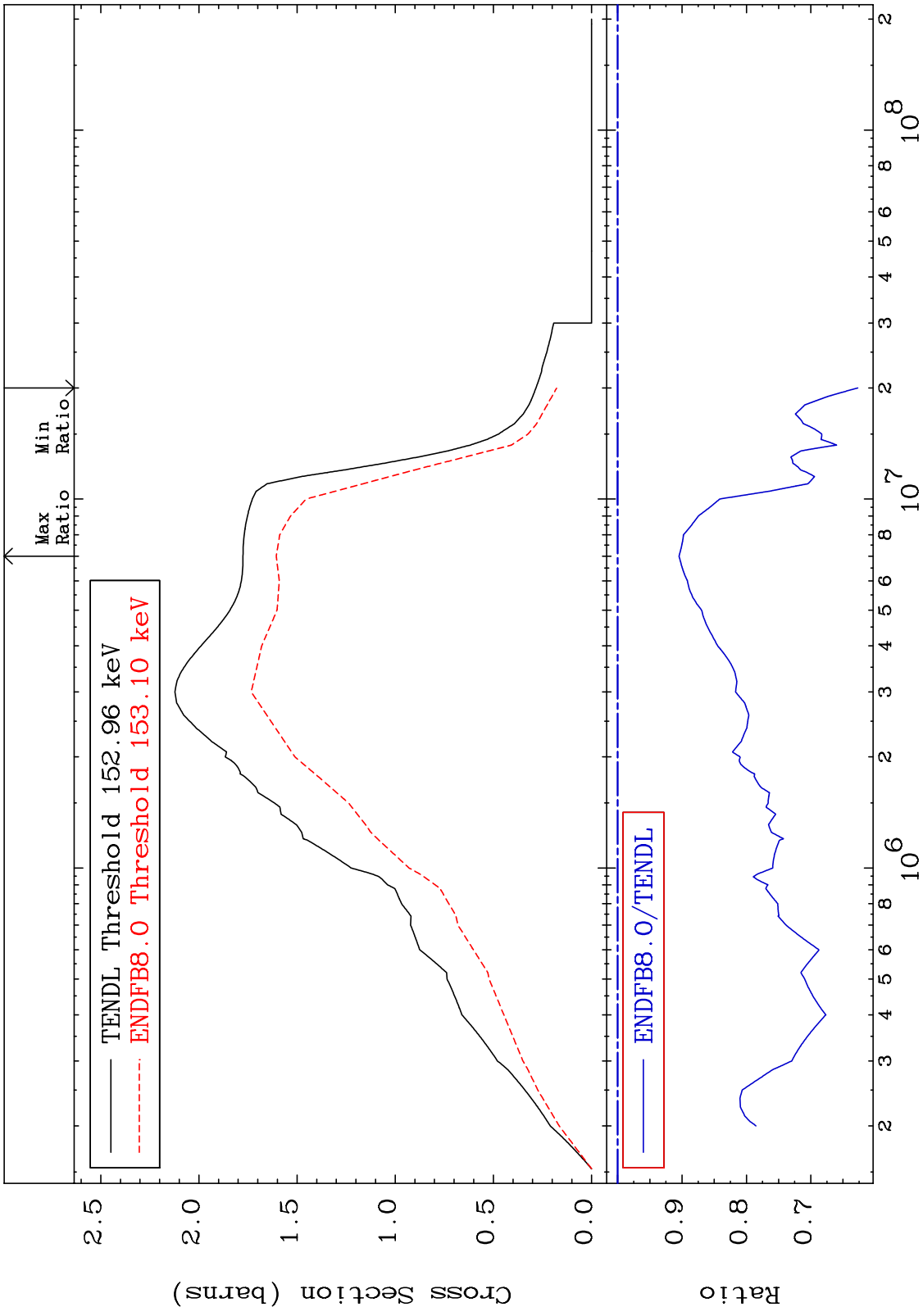


2

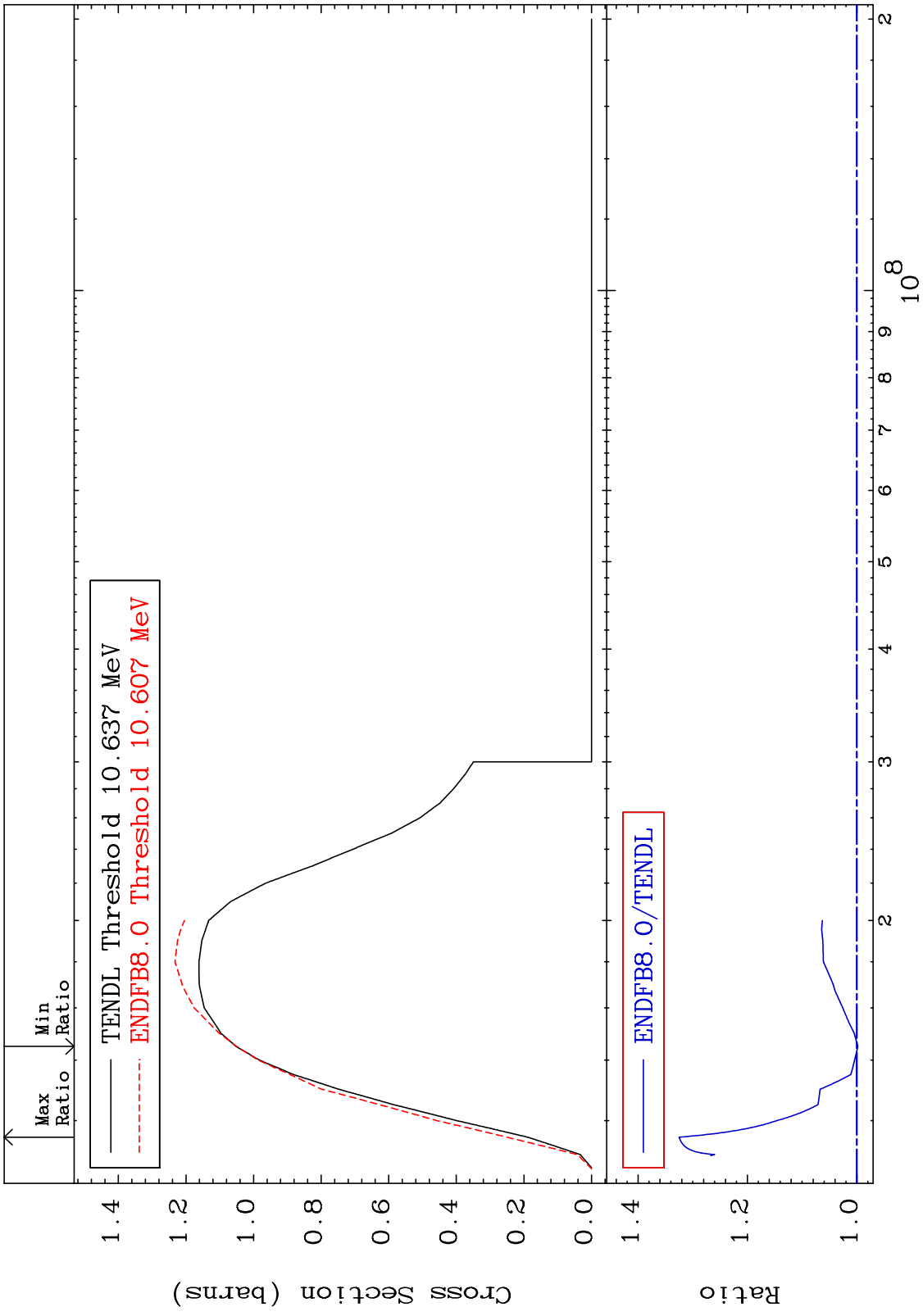
Incident Energy (eV)

37-Rb-85

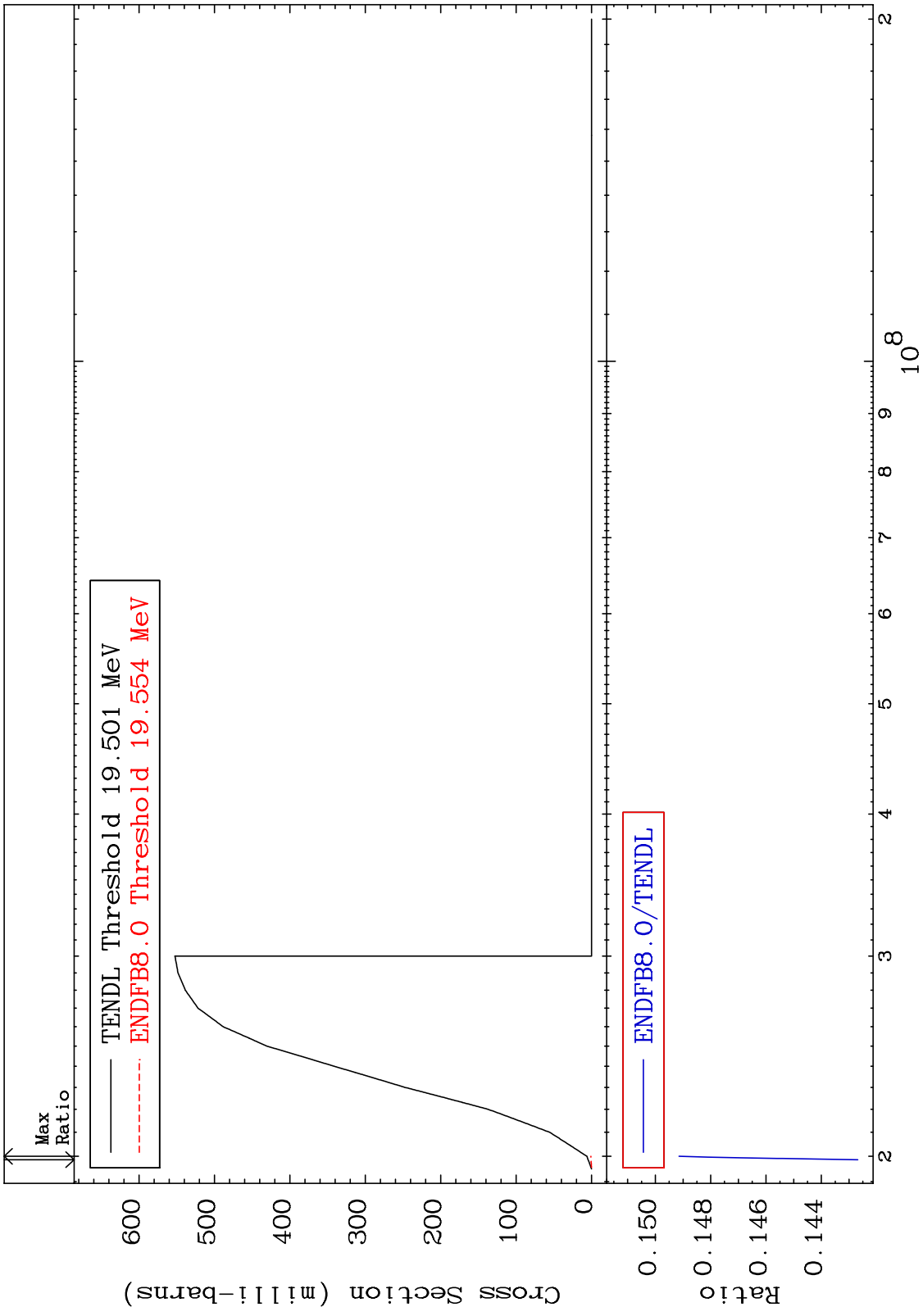
Inelastic Cross Section

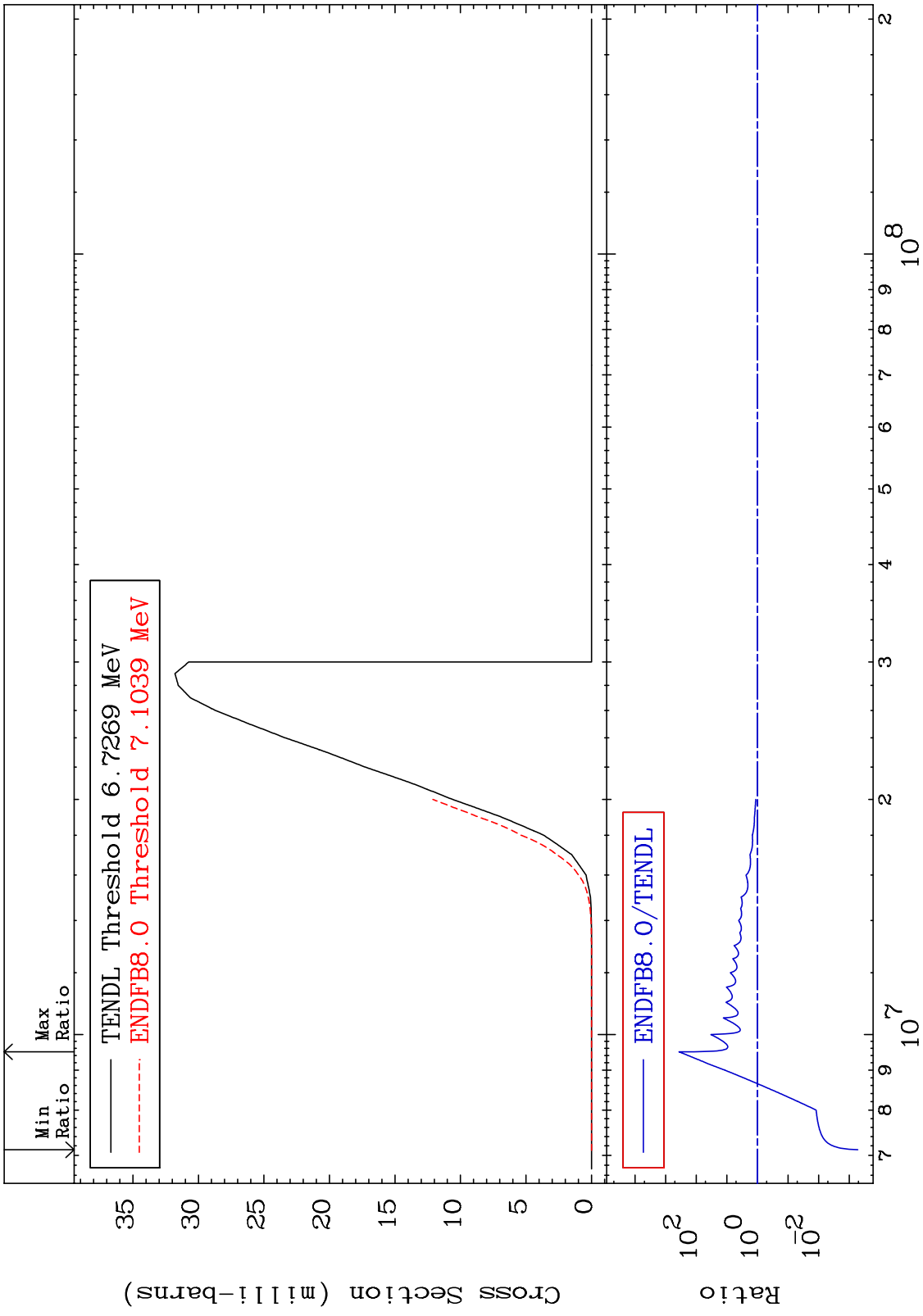


MAT 3725 (n,2n) Cross Section 37-Rb-85 -0.180 To 32.50 %

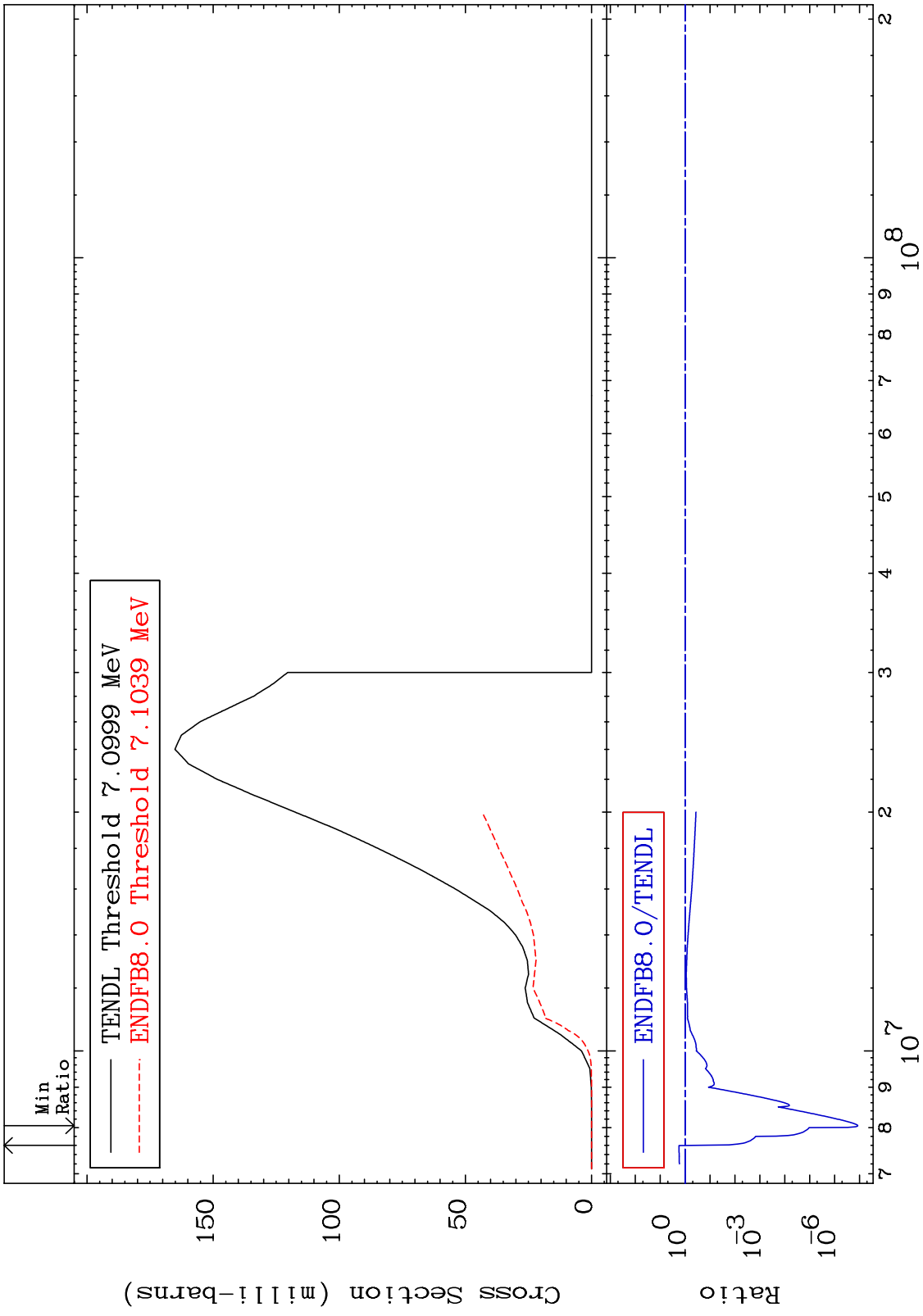


MAT 3725 (n,3n) Cross Section 37-Rb-85 -85.73 To -85.09%

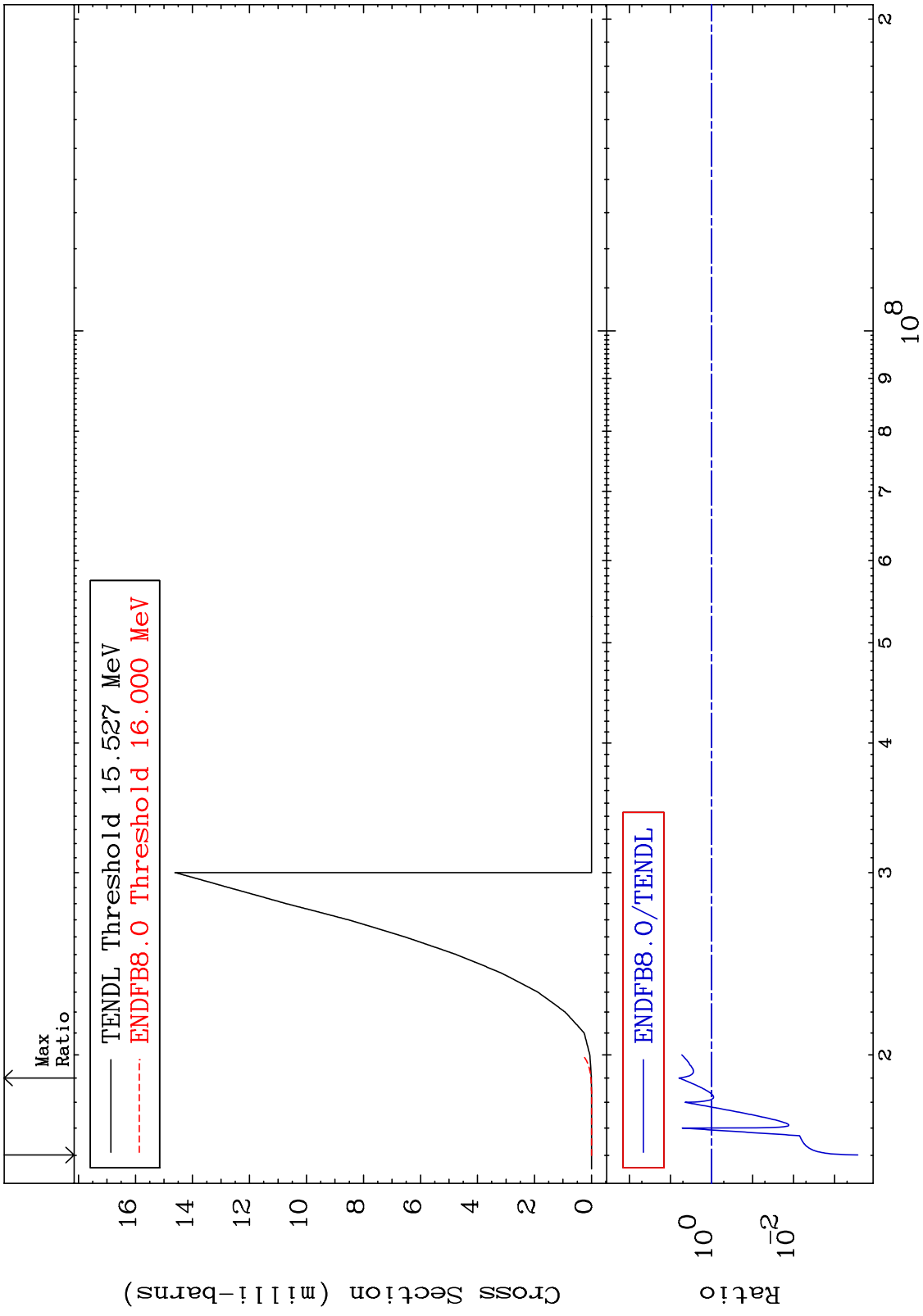




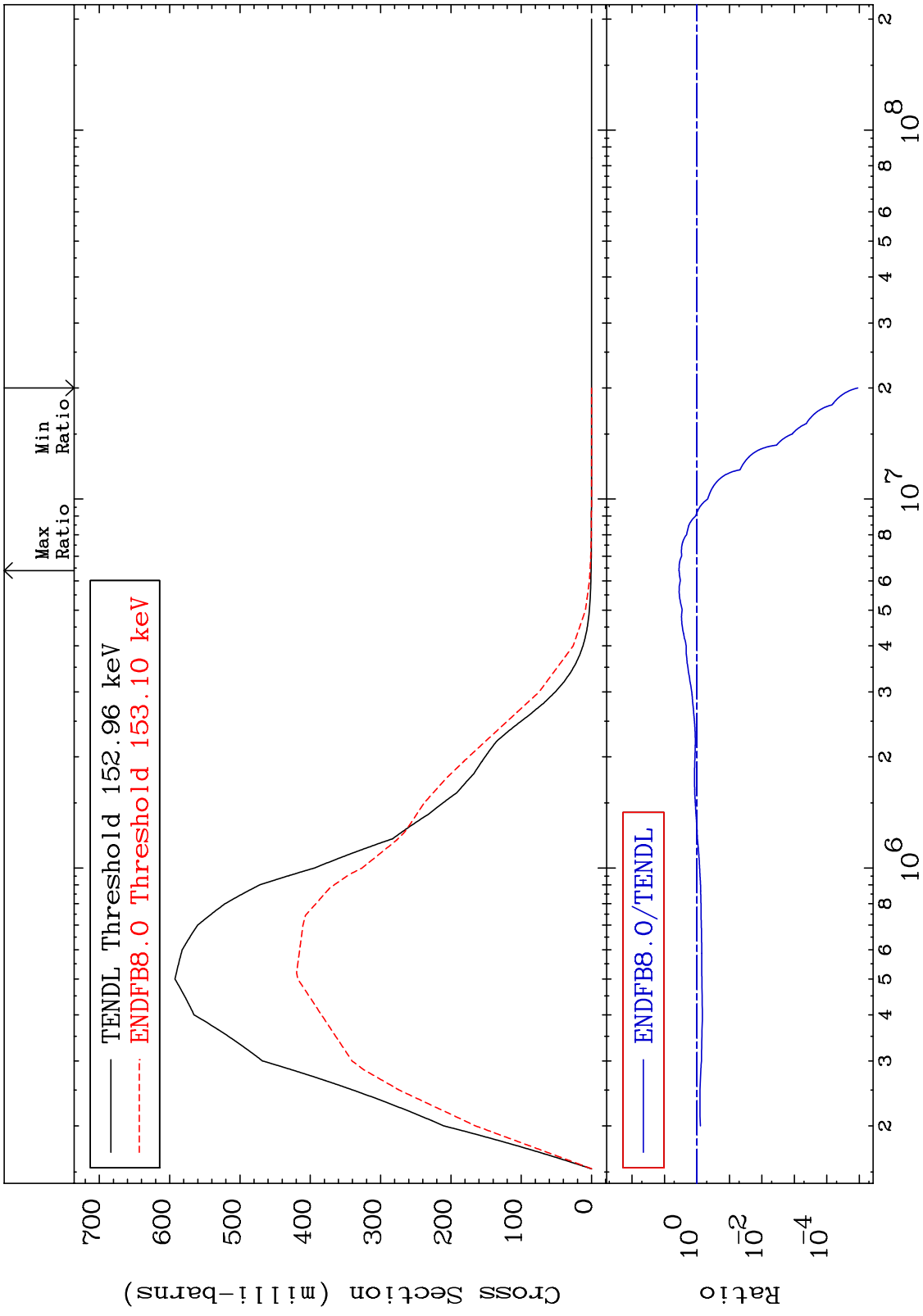
MAT 3725 (n,n') p 37-Rb-85
 Cross Section -100.0 To 75.73 %



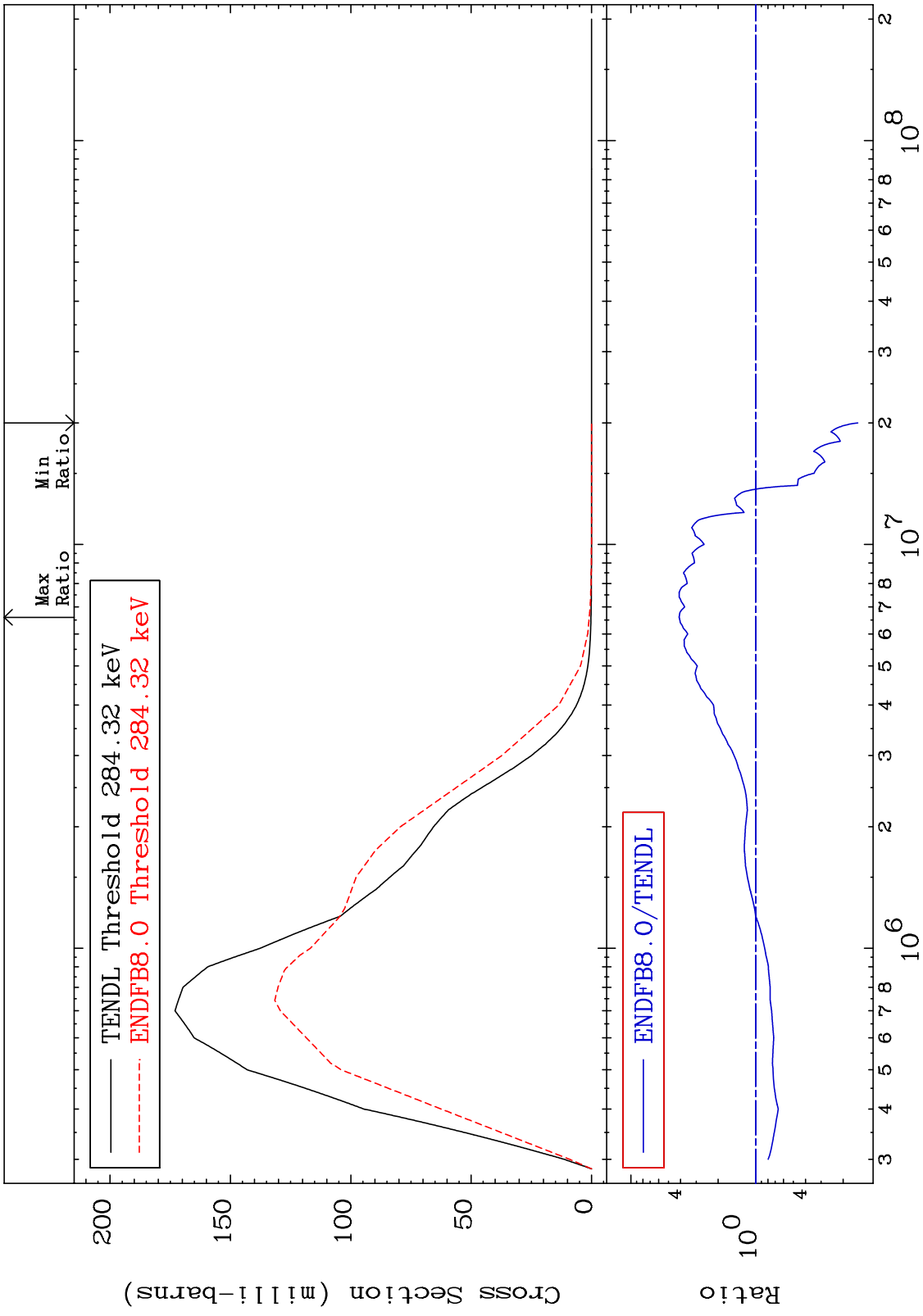
7 8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2
 Incident Energy (eV) 37-Rb-85



MAT 3725 MT= 51 (n,n') Level Cross Section -100.0 To 255.8 % 37-Rb-85

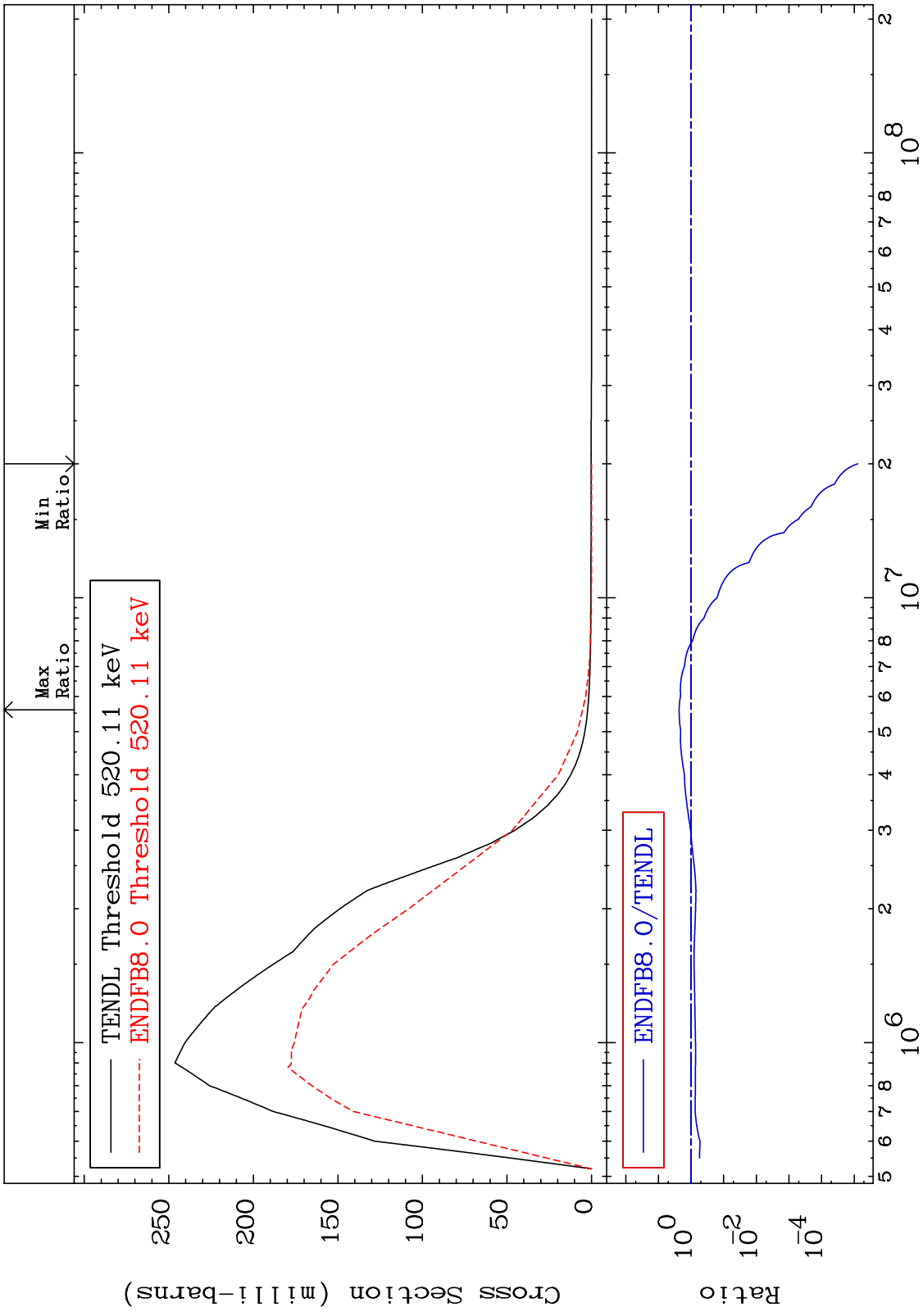


MAT 3725 MT= 52 (n,n') Level Cross Section -84.76 To 311.3 % 37-Rb-85

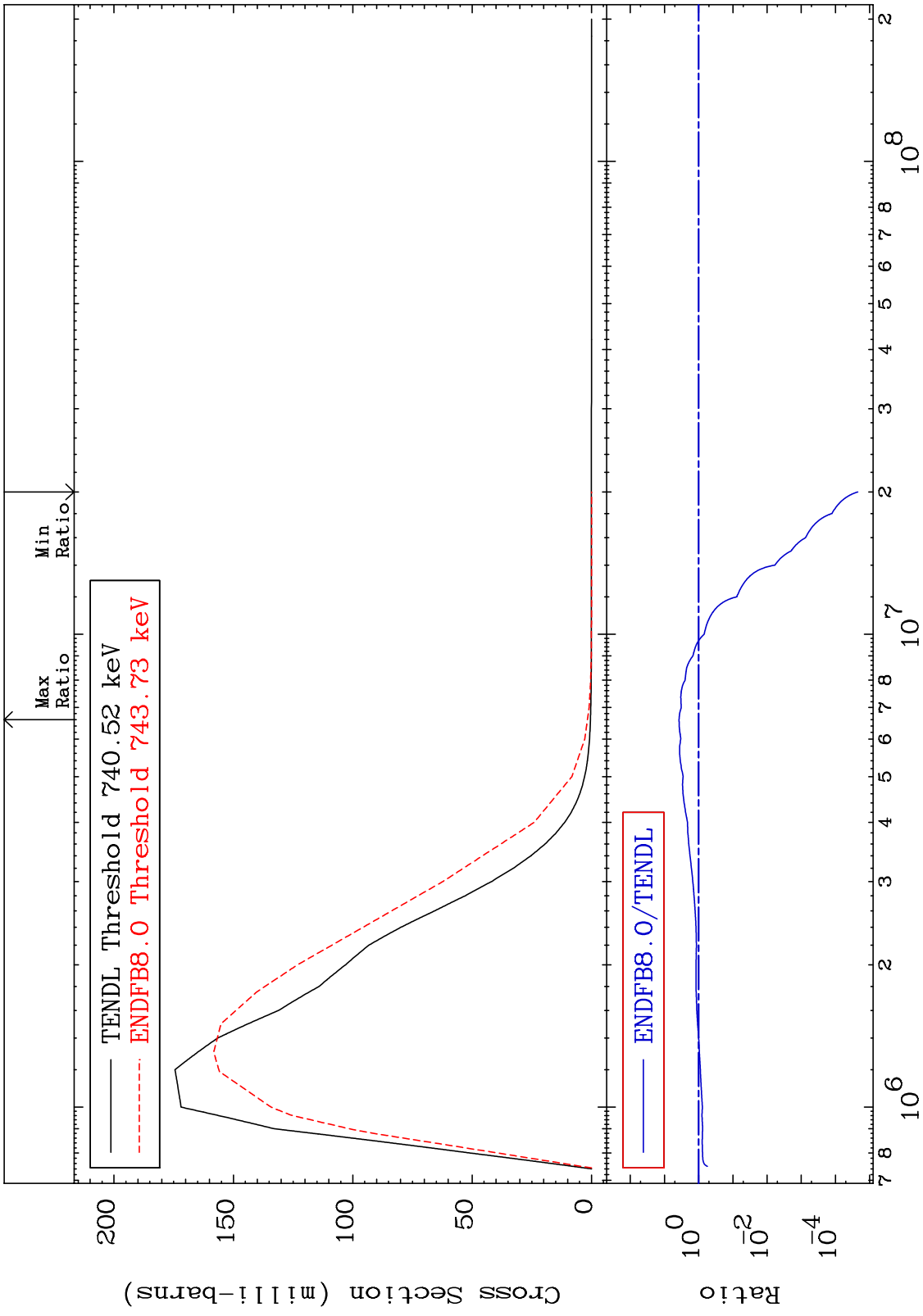


10 37-Rb-85

MAT 3725 MT= 53 (n,n') Level Cross Section -100.0 To 133.3 % 37-Rb-85

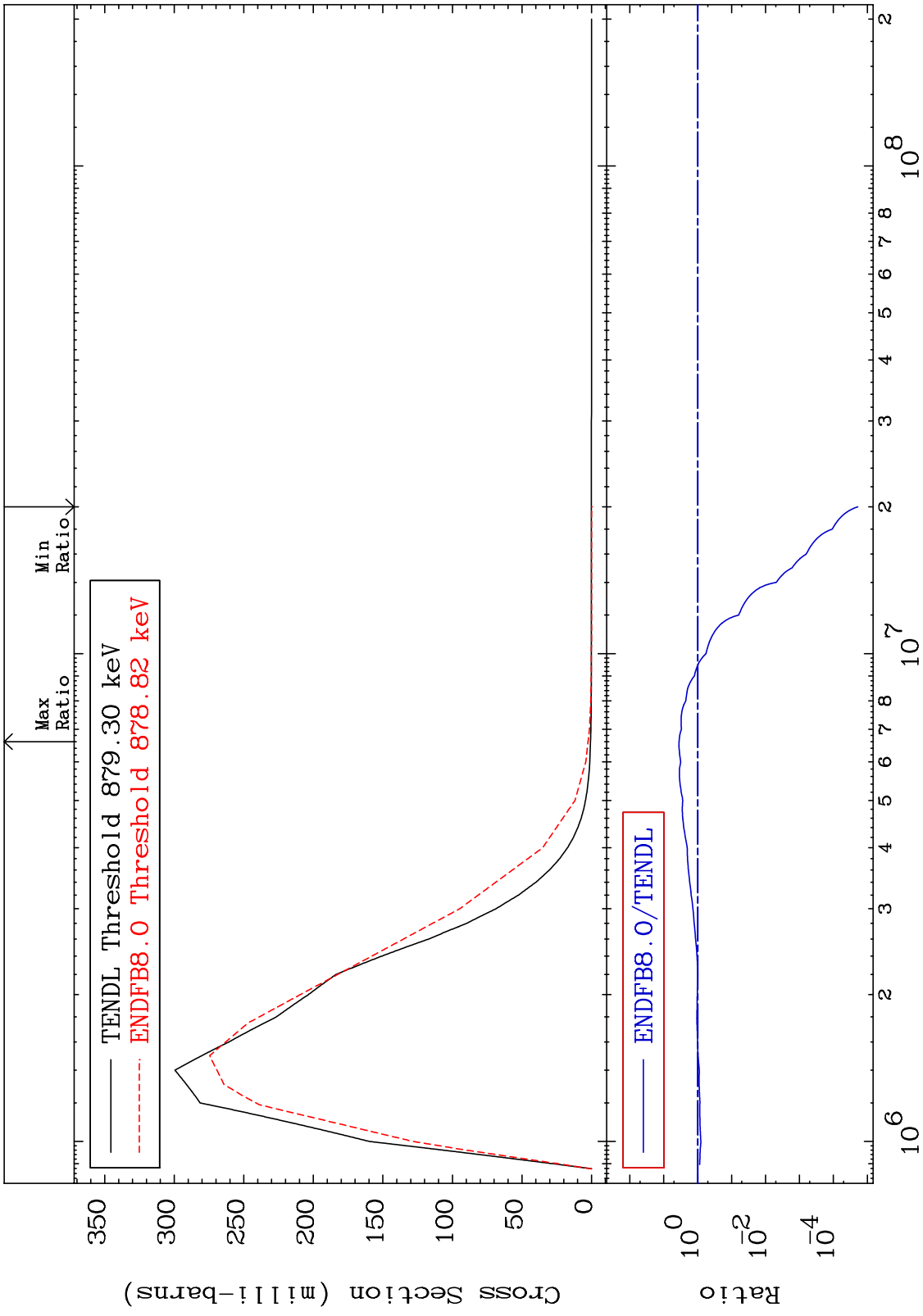


MAT 3725 MT= 54 (n,n') Level Cross Section -100.0 To 275.4 % 37-Rb-85



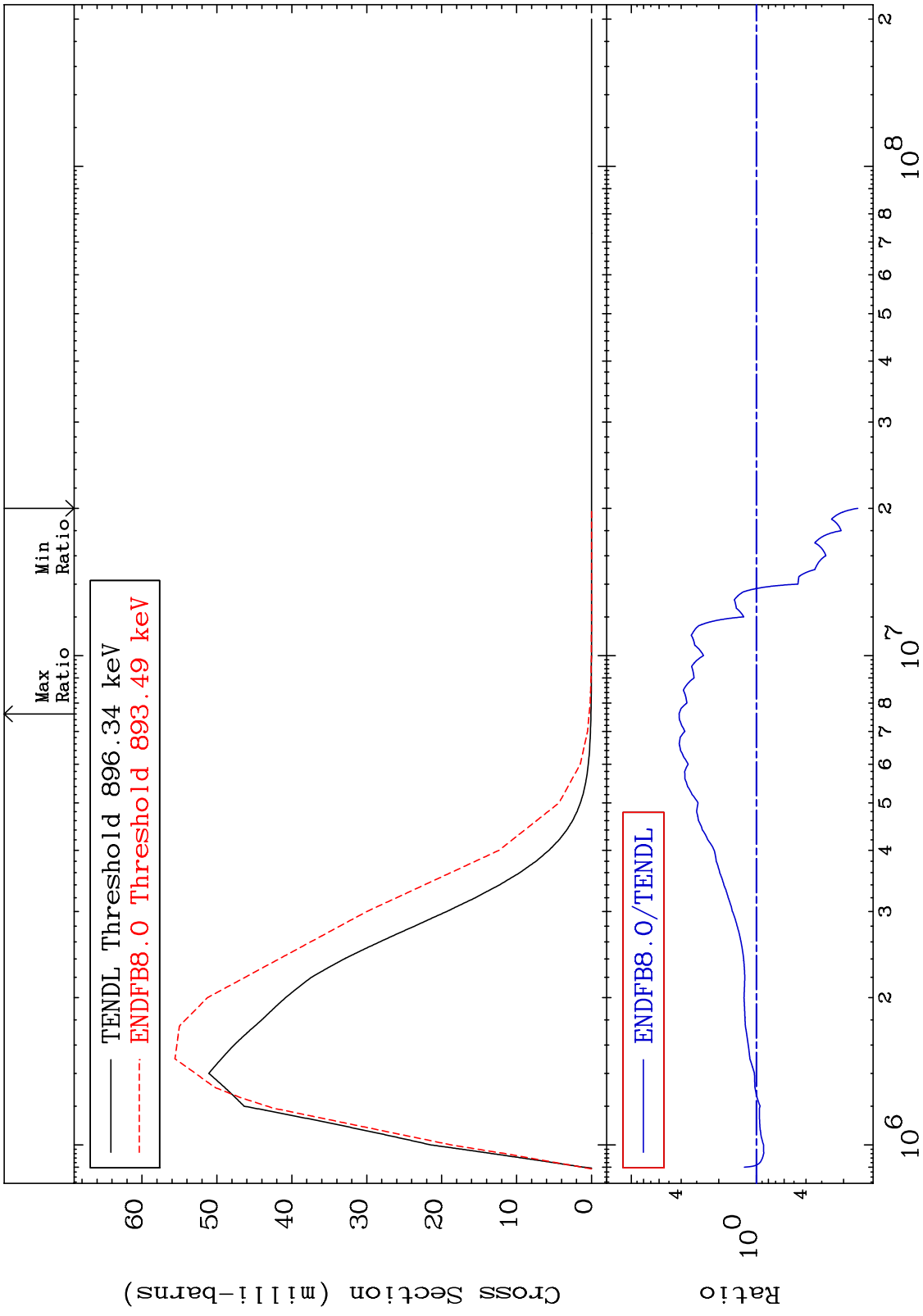
12 37-Rb-85

MAT 3725 MT= 55 (n,n') Level Cross Section -100.0 To 254.0 % 37-Rb-85

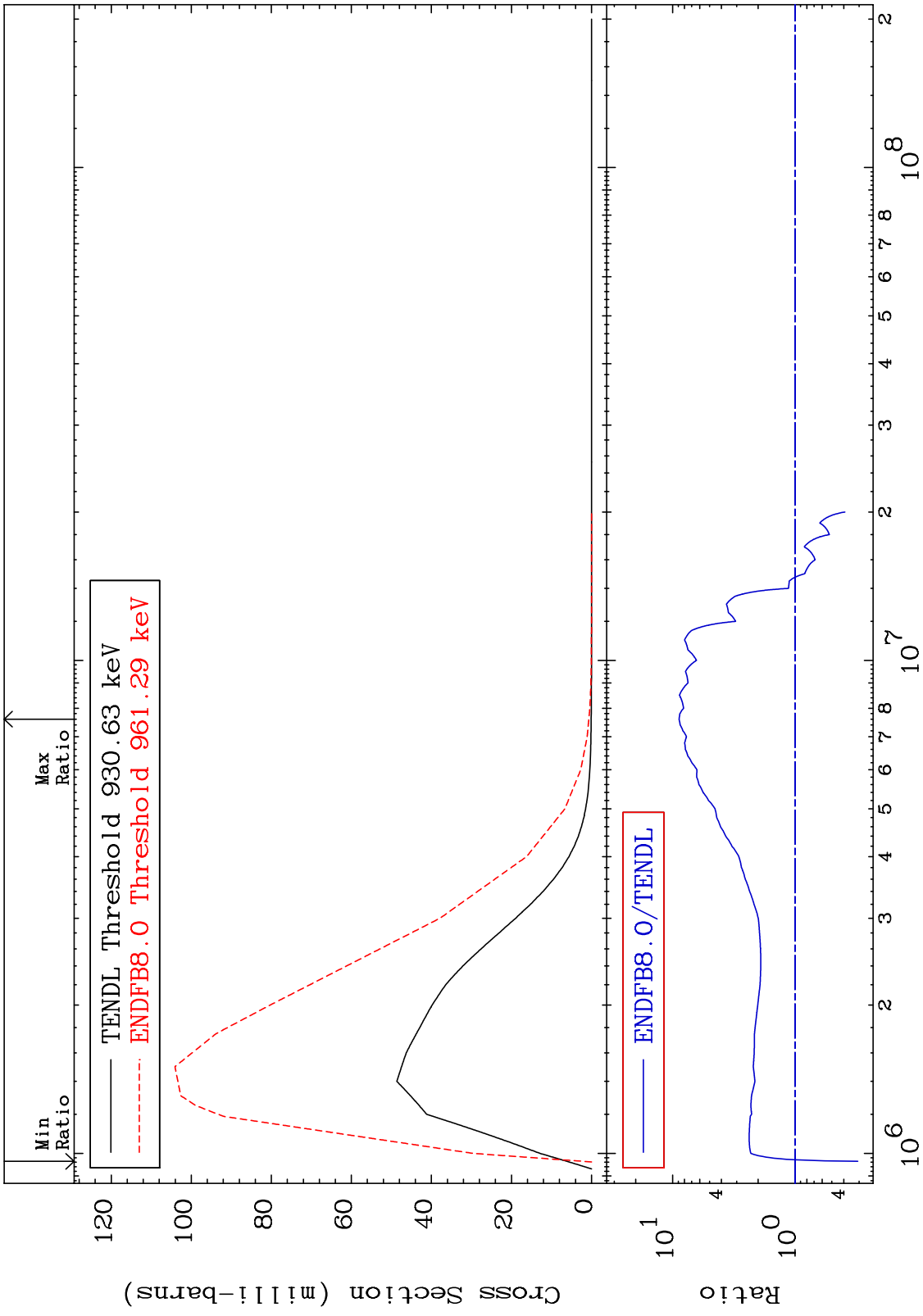


13 37-Rb-85

MAT 3725 MT= 56 (n,n') Level Cross Section -84.60 To 315.4 % 37-Rb-85

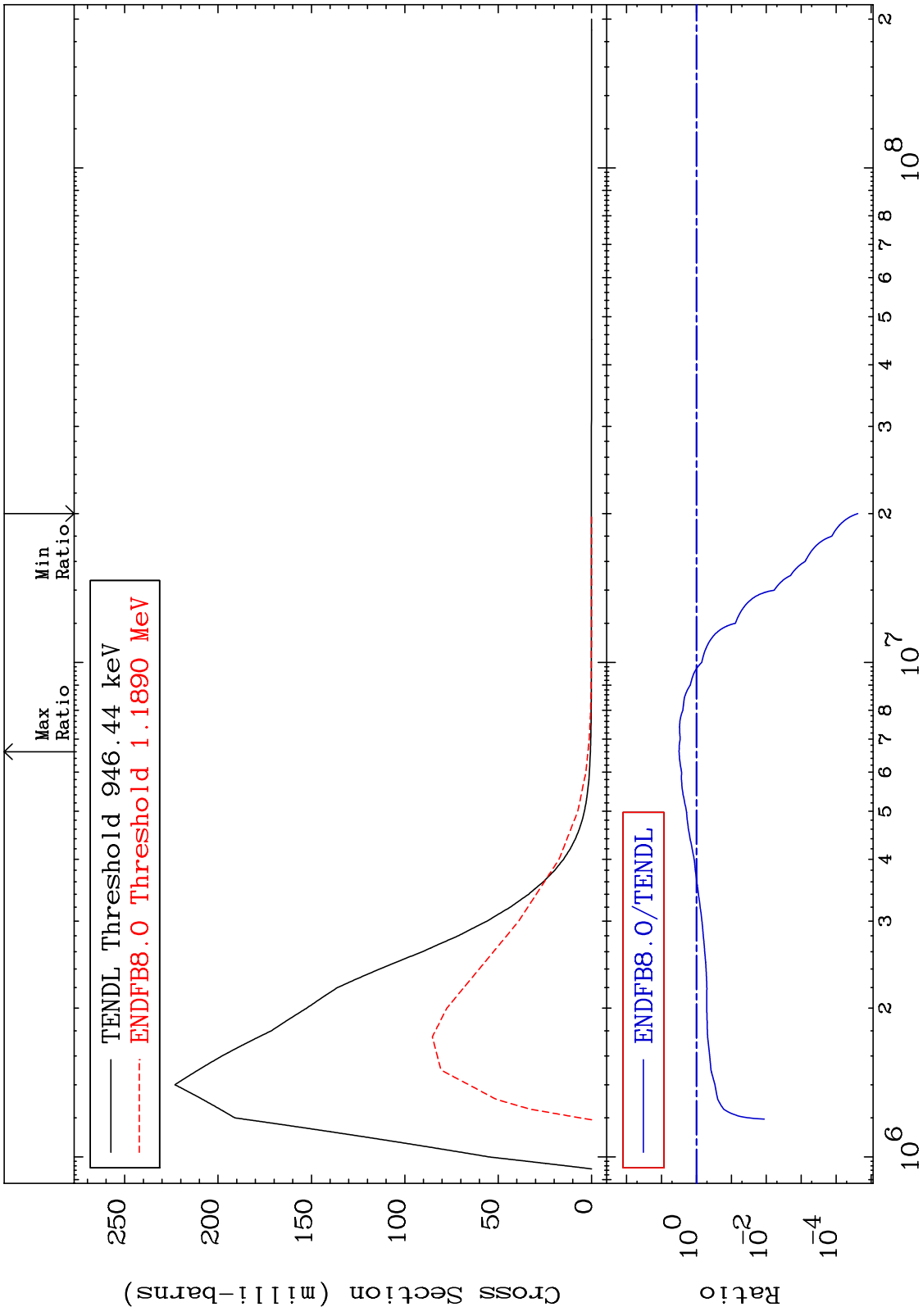


MAT 3725 MT= 57 (n,n') Level Cross Section 37-Rb-85
-69.34 To 786.5 %



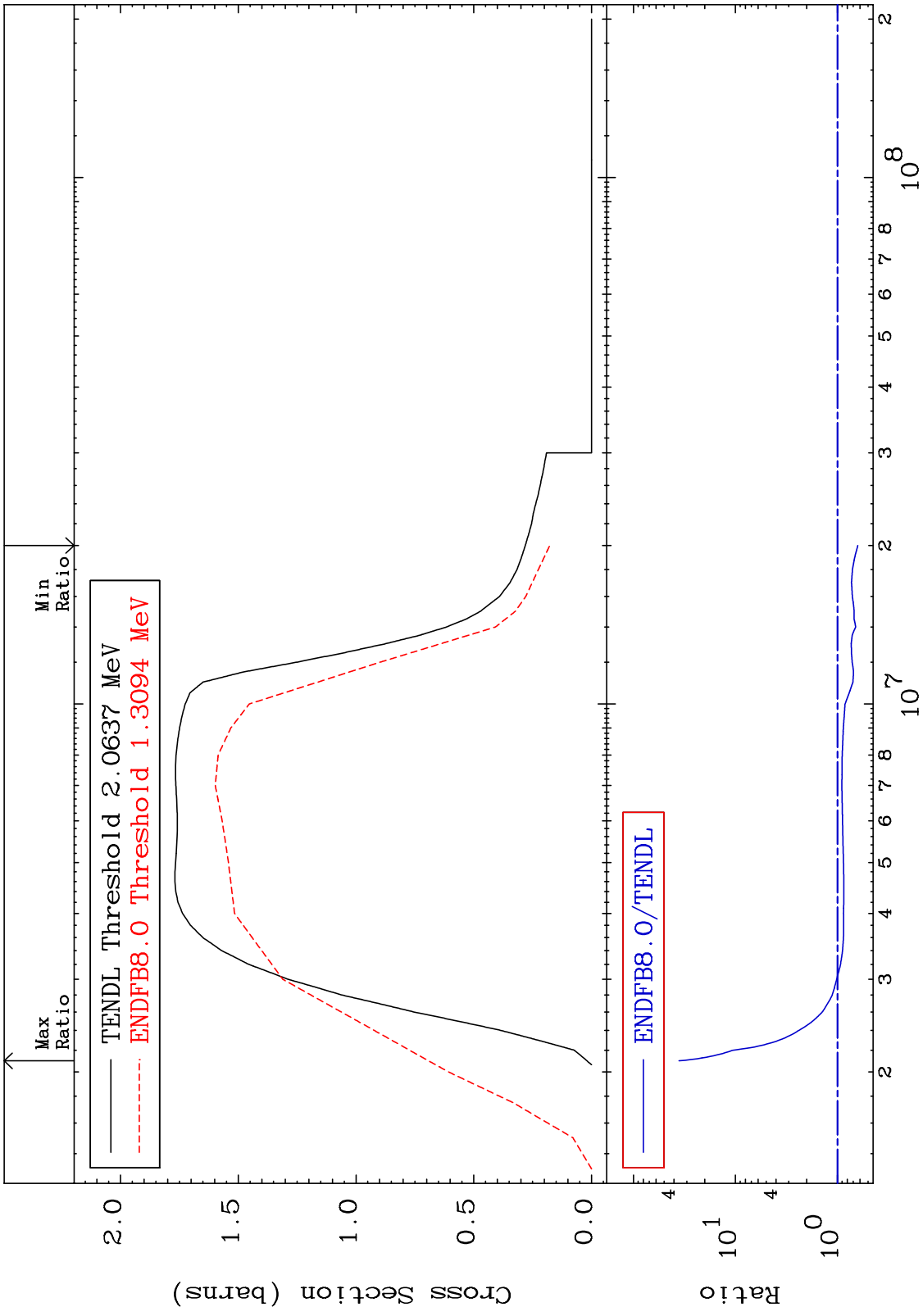
15 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 58 (n,n') Level Cross Section -100.0 To 214.2 % 37-Rb-85



16 Incident Energy (eV) 37-Rb-85

MAT 3725 (n, n') Continuum Cross Section 37-Rb-85 -36.90 To 3472. %



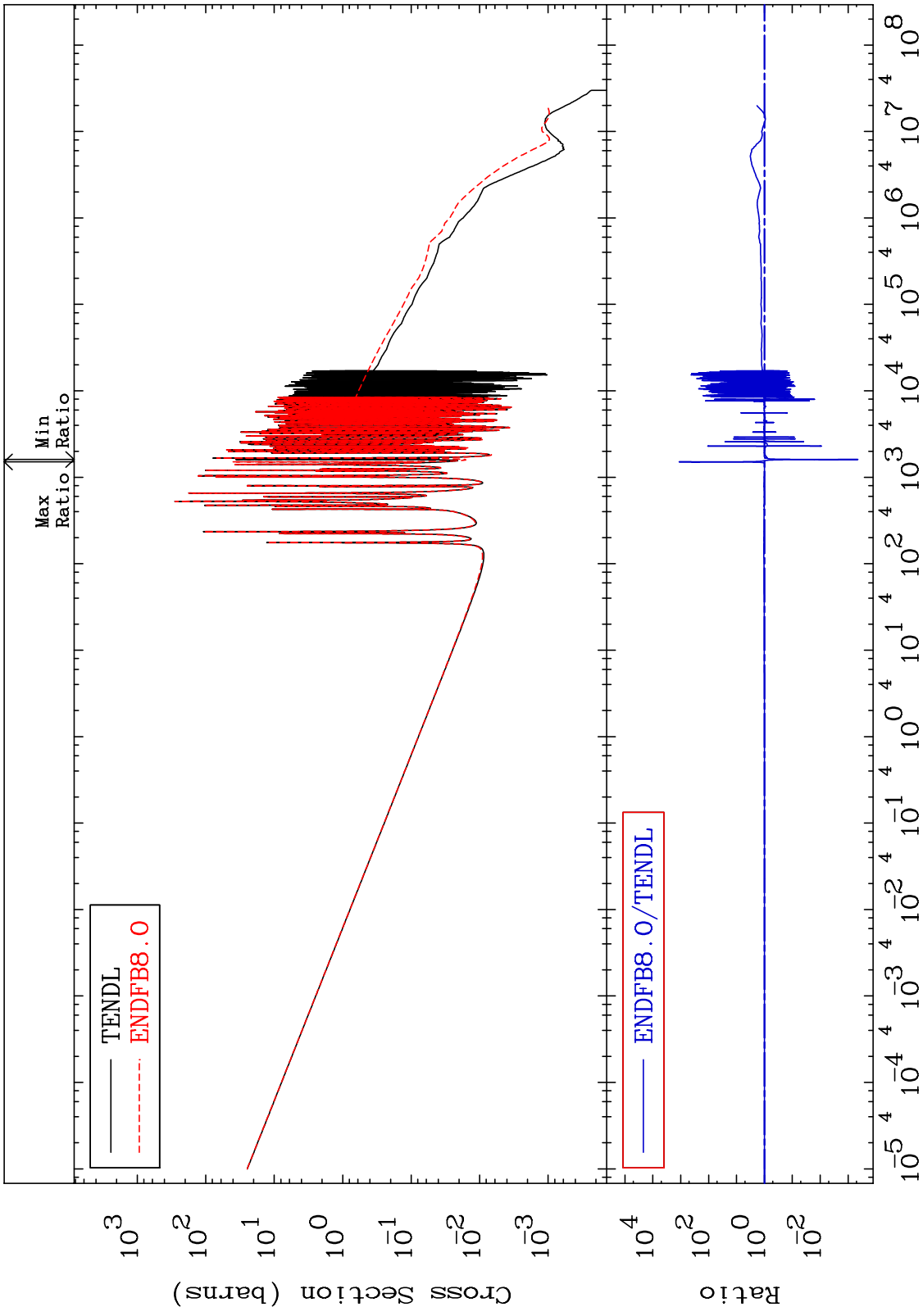
MAT 3725

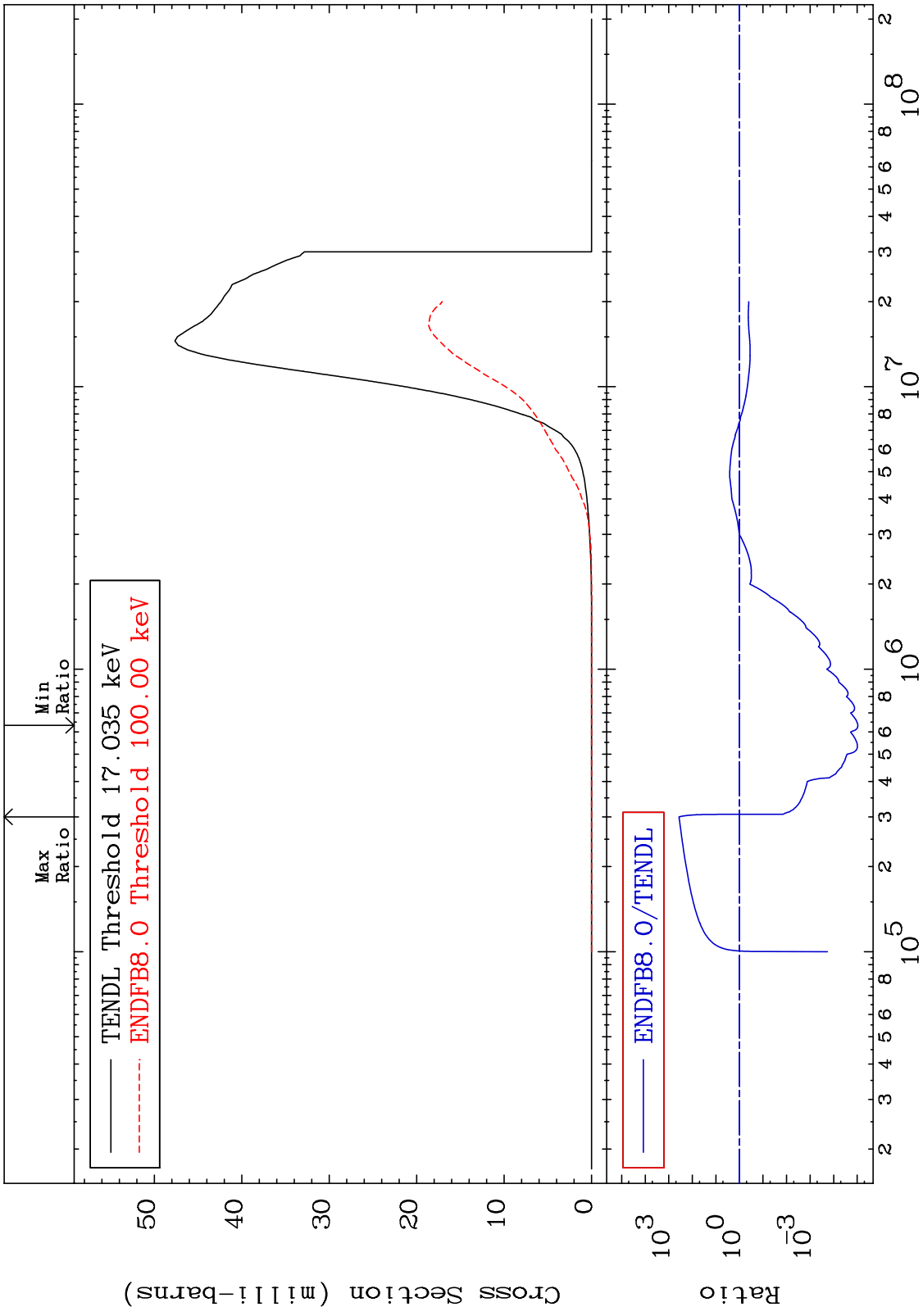
(n, γ)

37-Rb-85

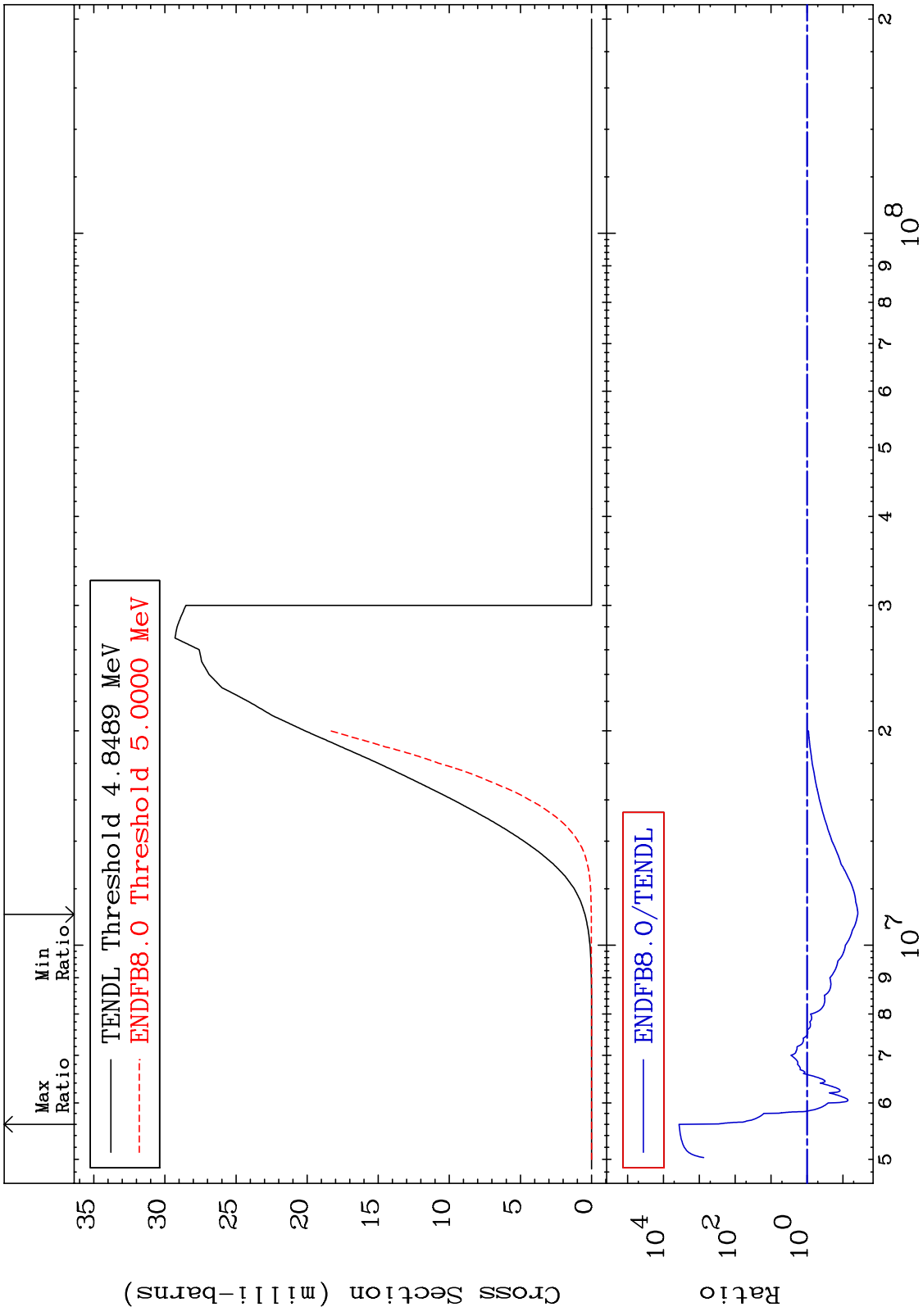
Cross Section

-99.96 To 9999. %

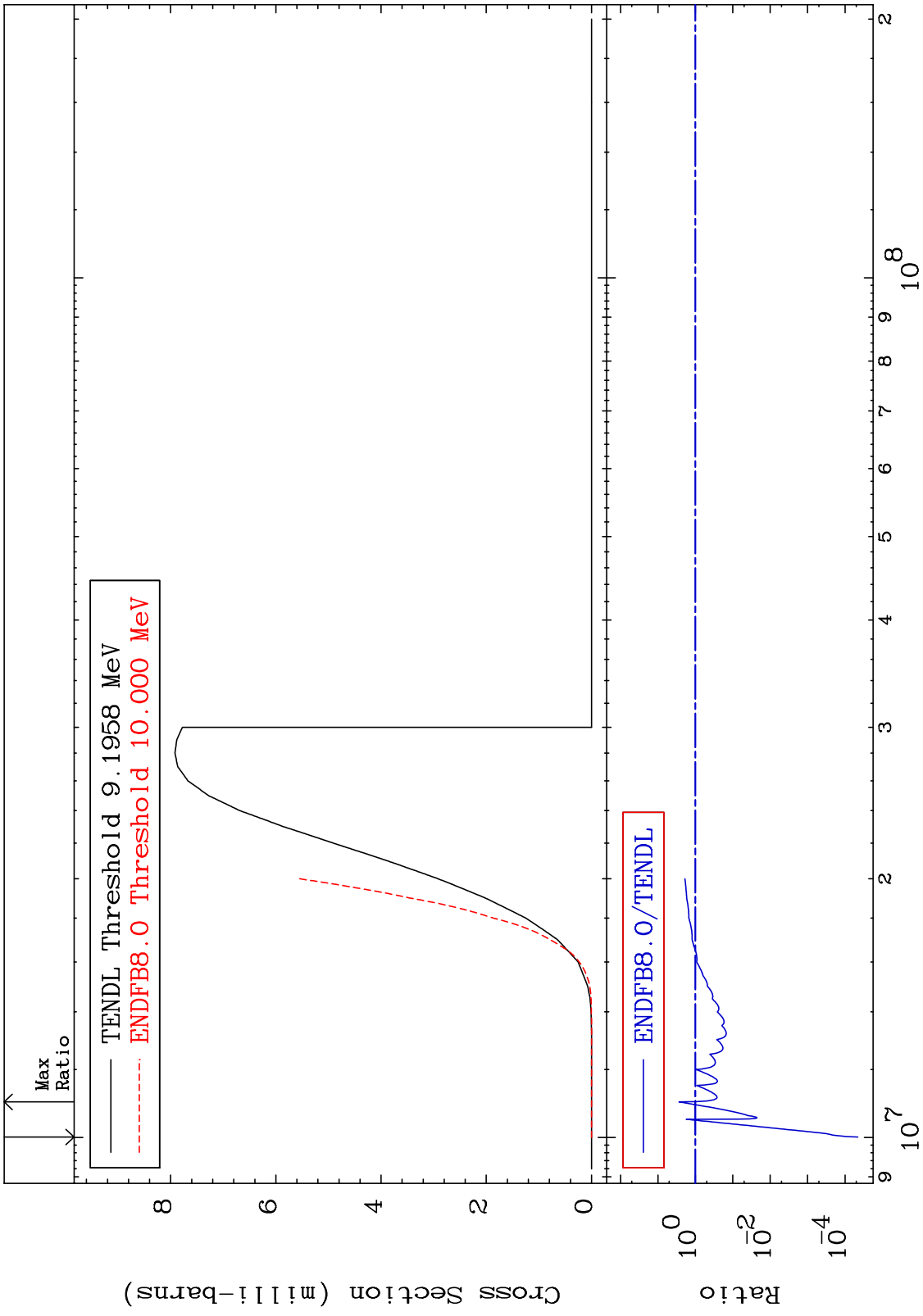




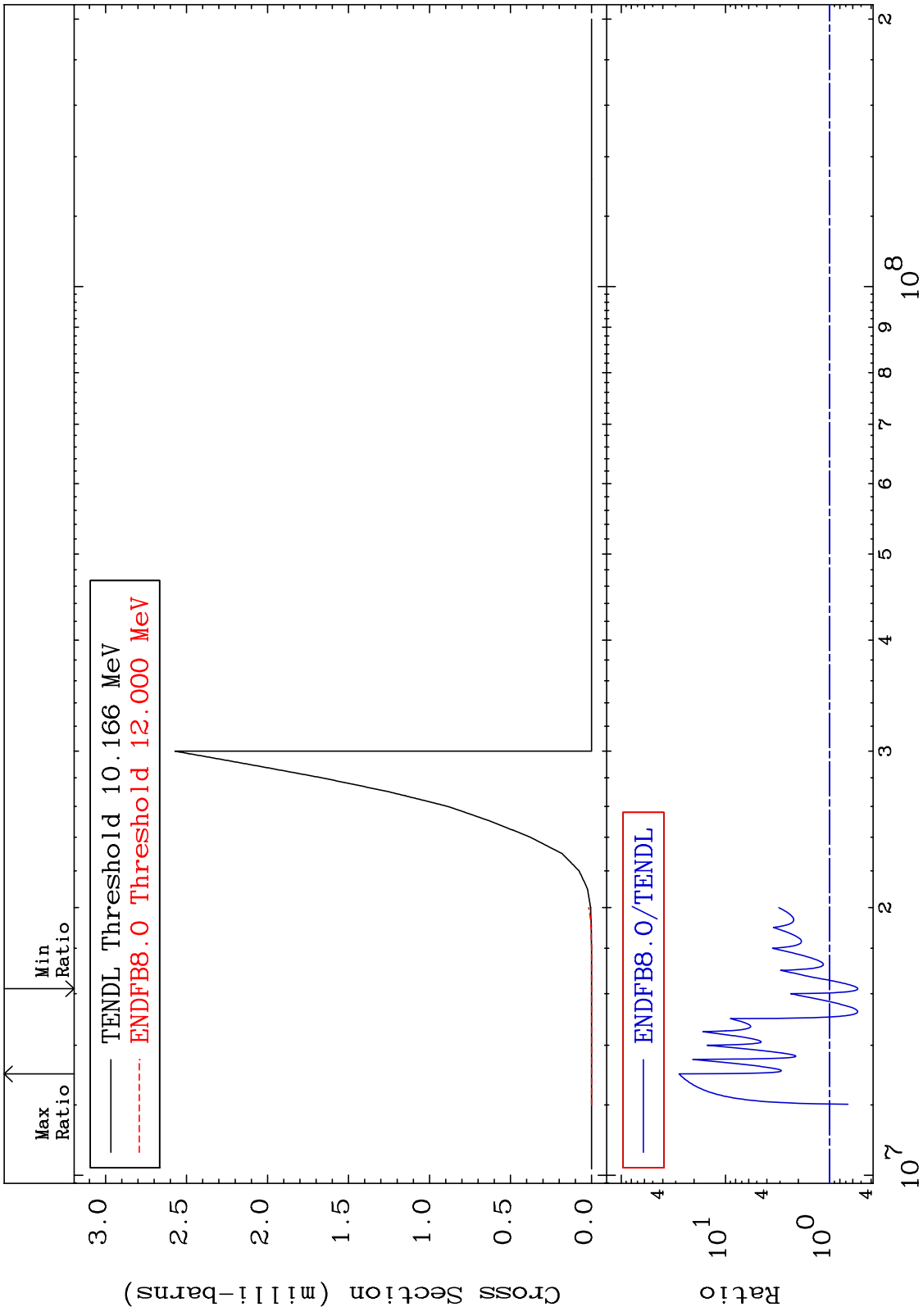
MAT 3725 (n,d) Cross Section 37-Rb-85 -96.18 To 9999. %



MAT 3725 (n,t) 37-Rb-85
 Cross Section -100.0 To 173.4 %



21 37-Rb-85



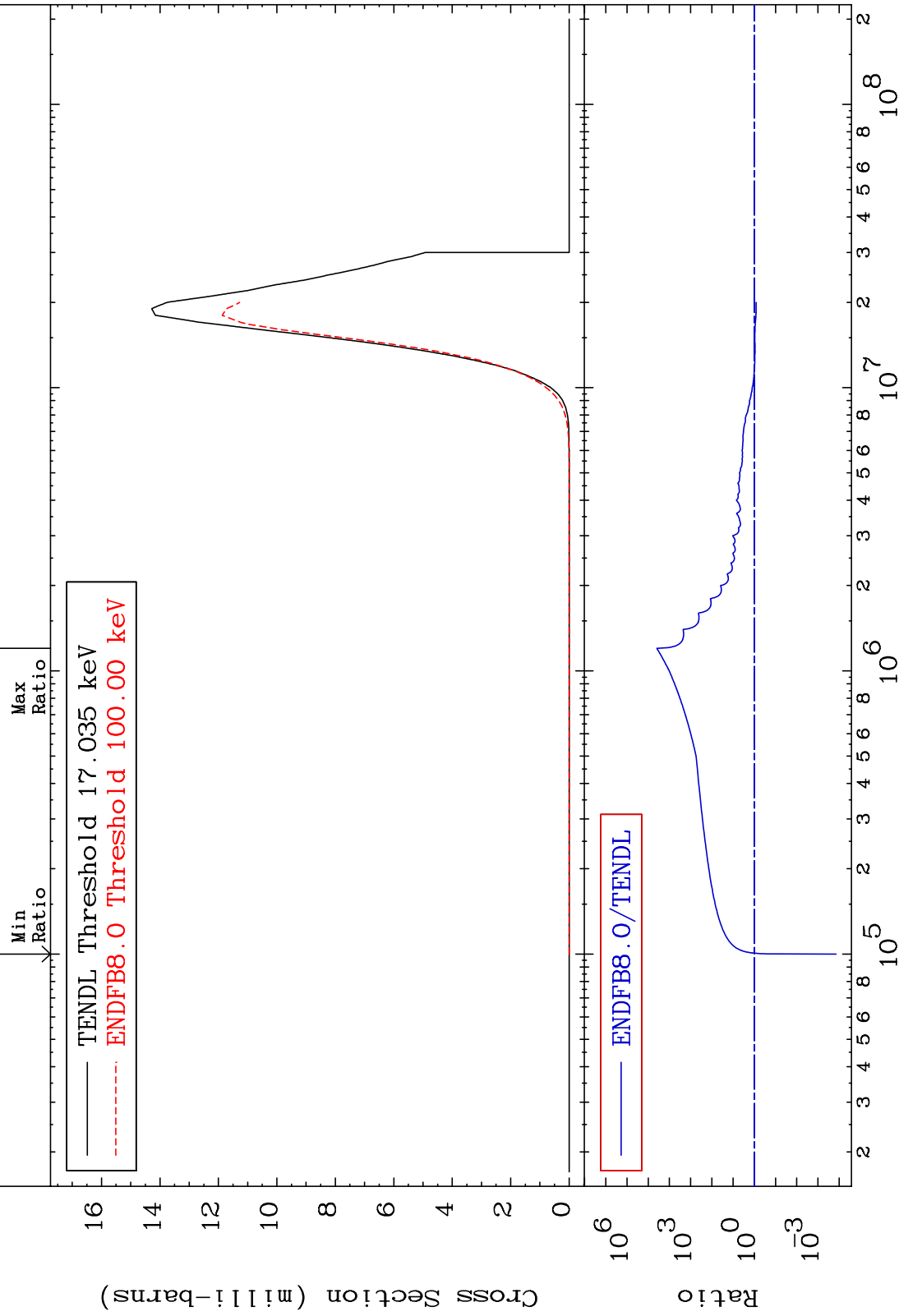
MAT 3725

(n, α)

37-Rb-85

-99.99 To 9999. %

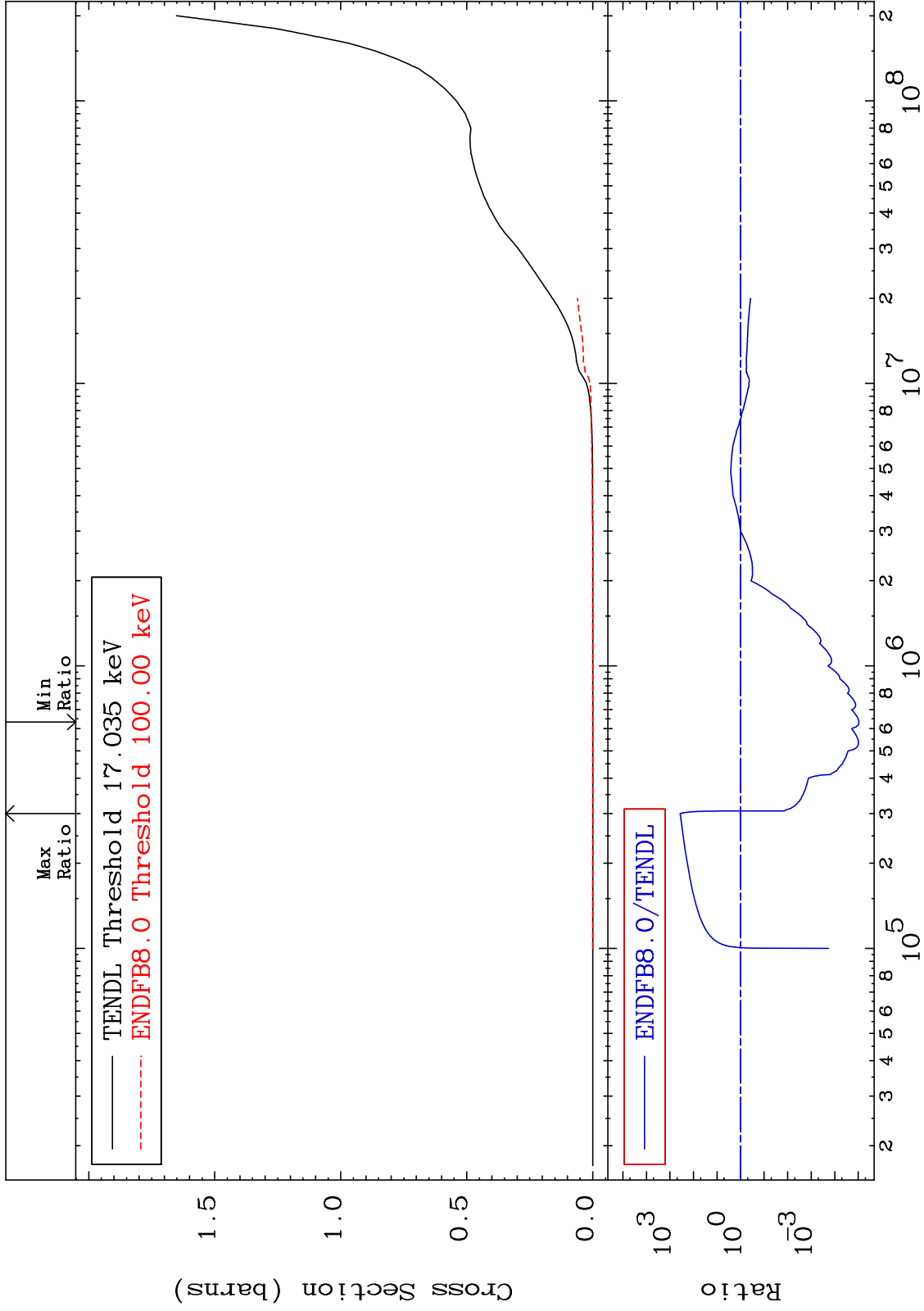
Cross Section



MAT 3725

Hydrogen Production
Cross Section

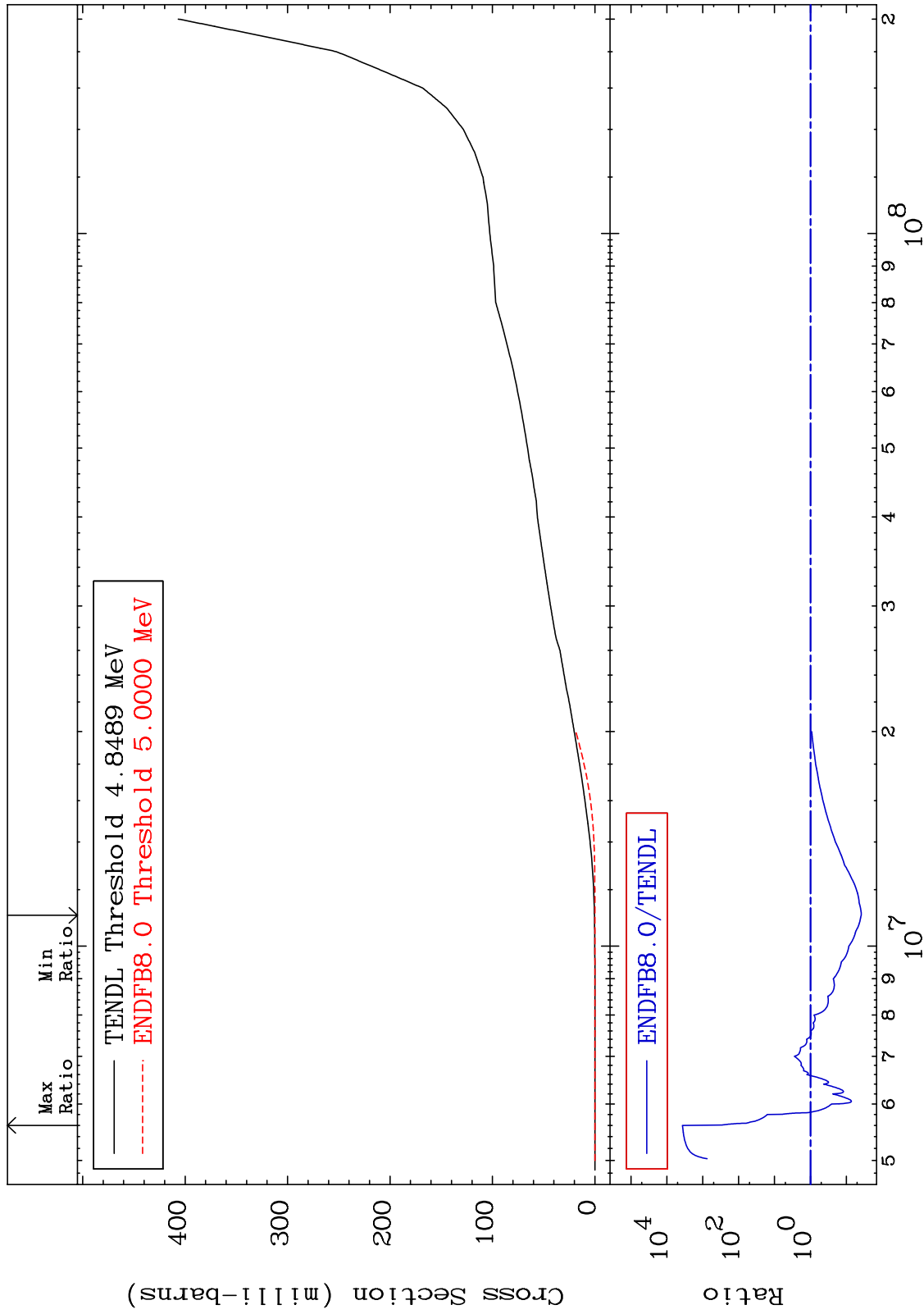
37-Rb-85
-100.0 To 9999. %



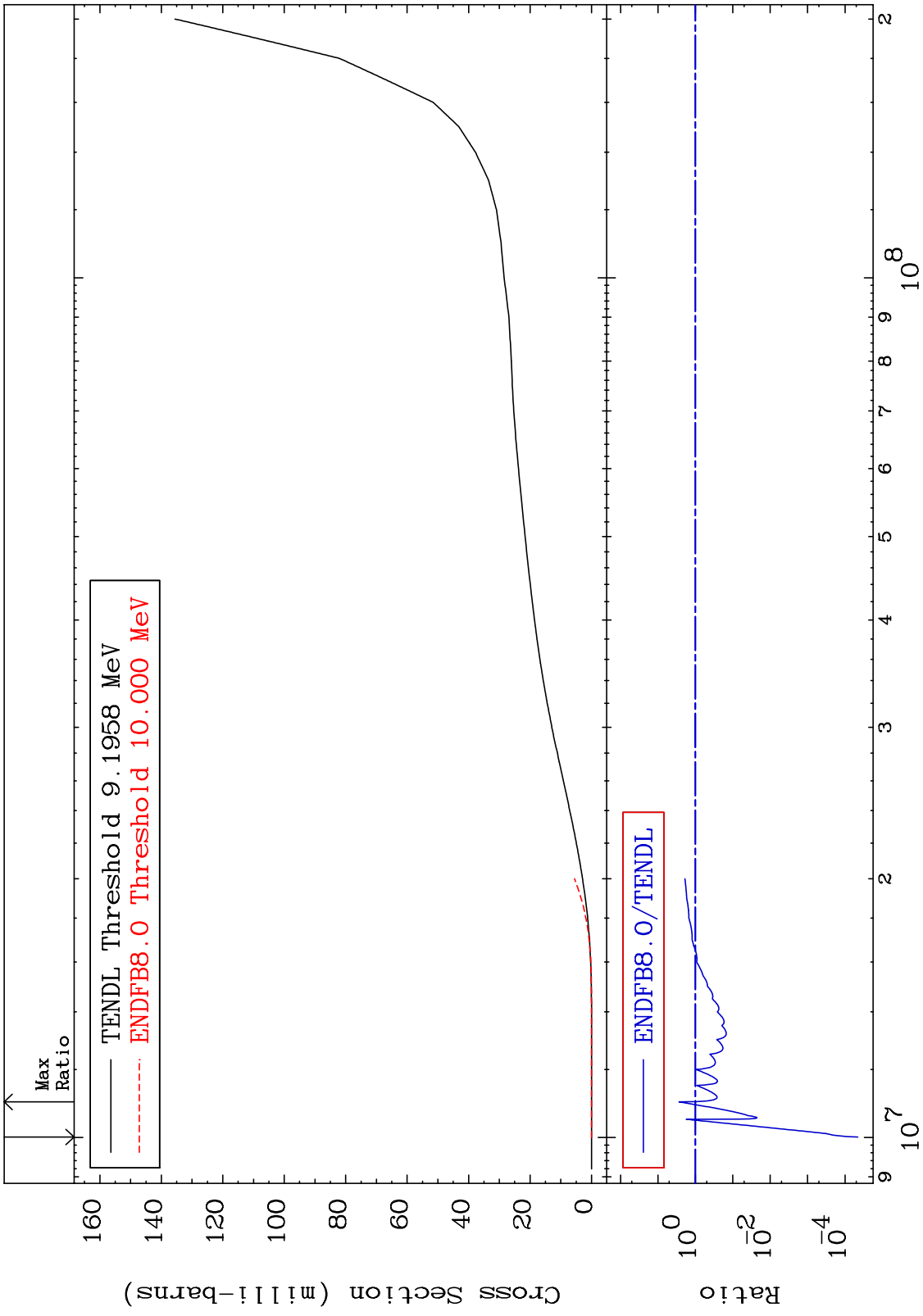
MAT 3725

Deuterium Production
Cross Section

³⁷Rb-85
-96.18 To 9999. %



MAT 3725 Tritium Production Cross Section 37-Rb-85 -100.0 To 173.4 %

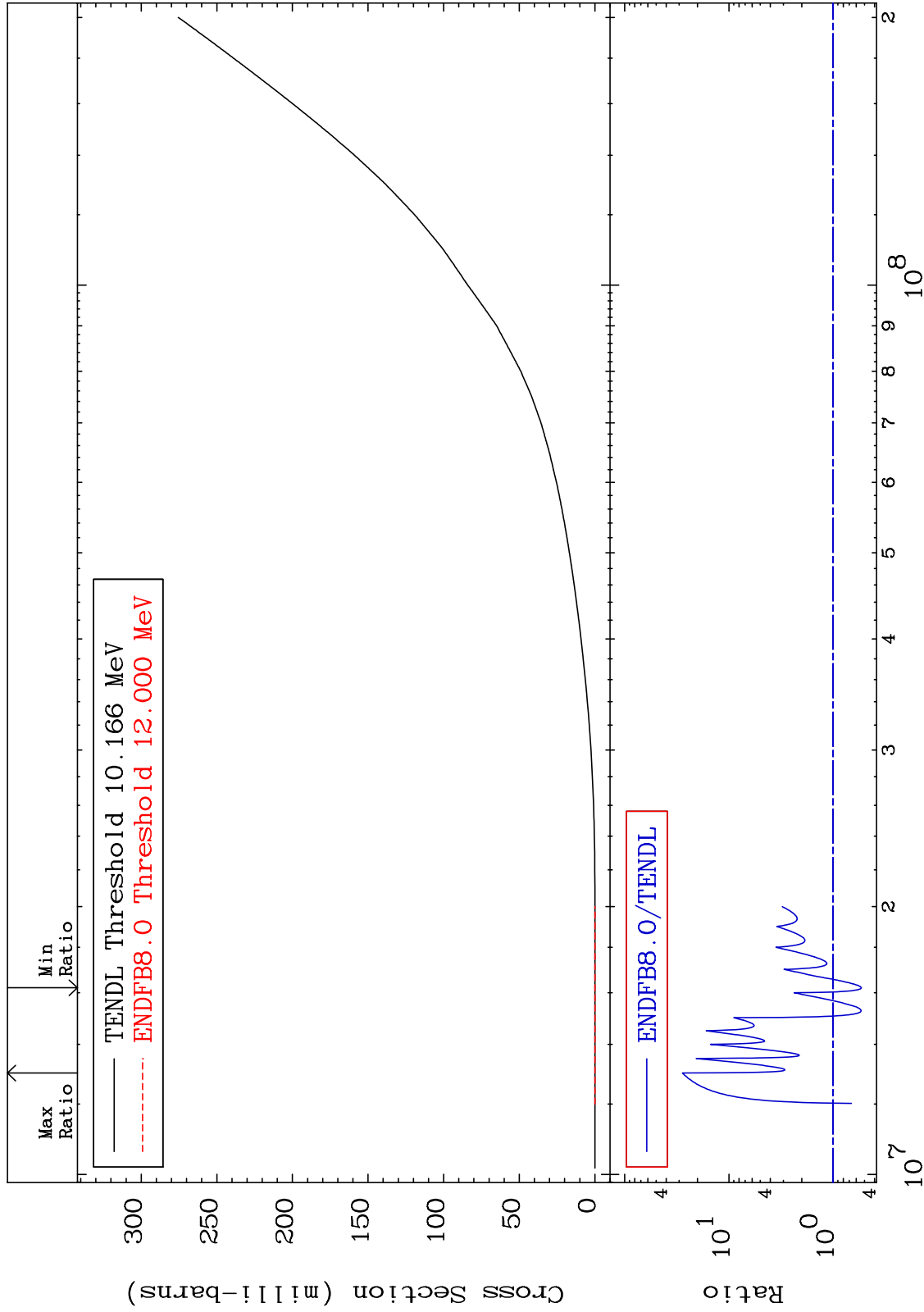


26 37-Rb-85

MAT 3725

He-3 Production
Cross Section

37-Rb-85
-46.34 To 2692. %



27

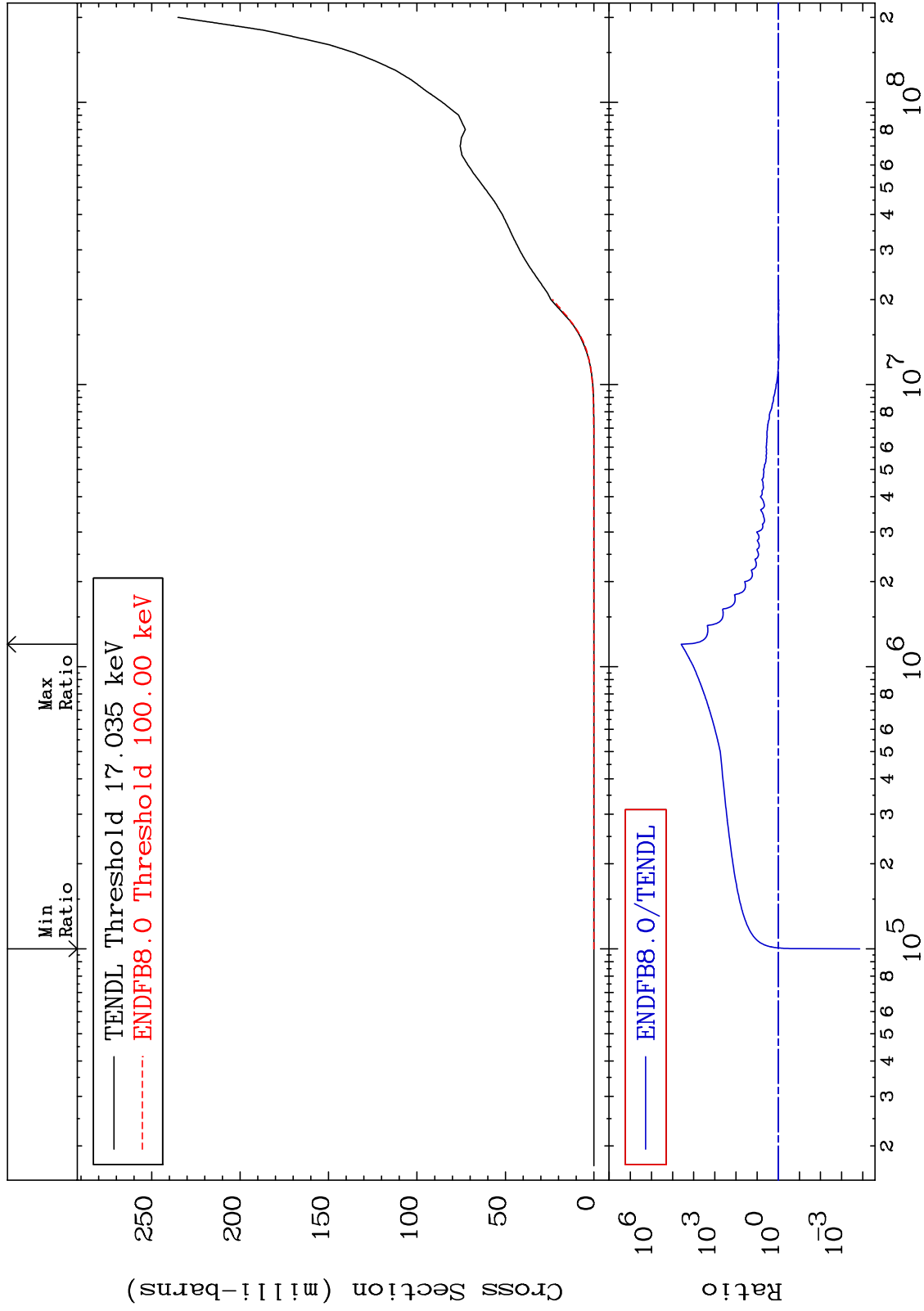
Incident Energy (eV)

37-Rb-85

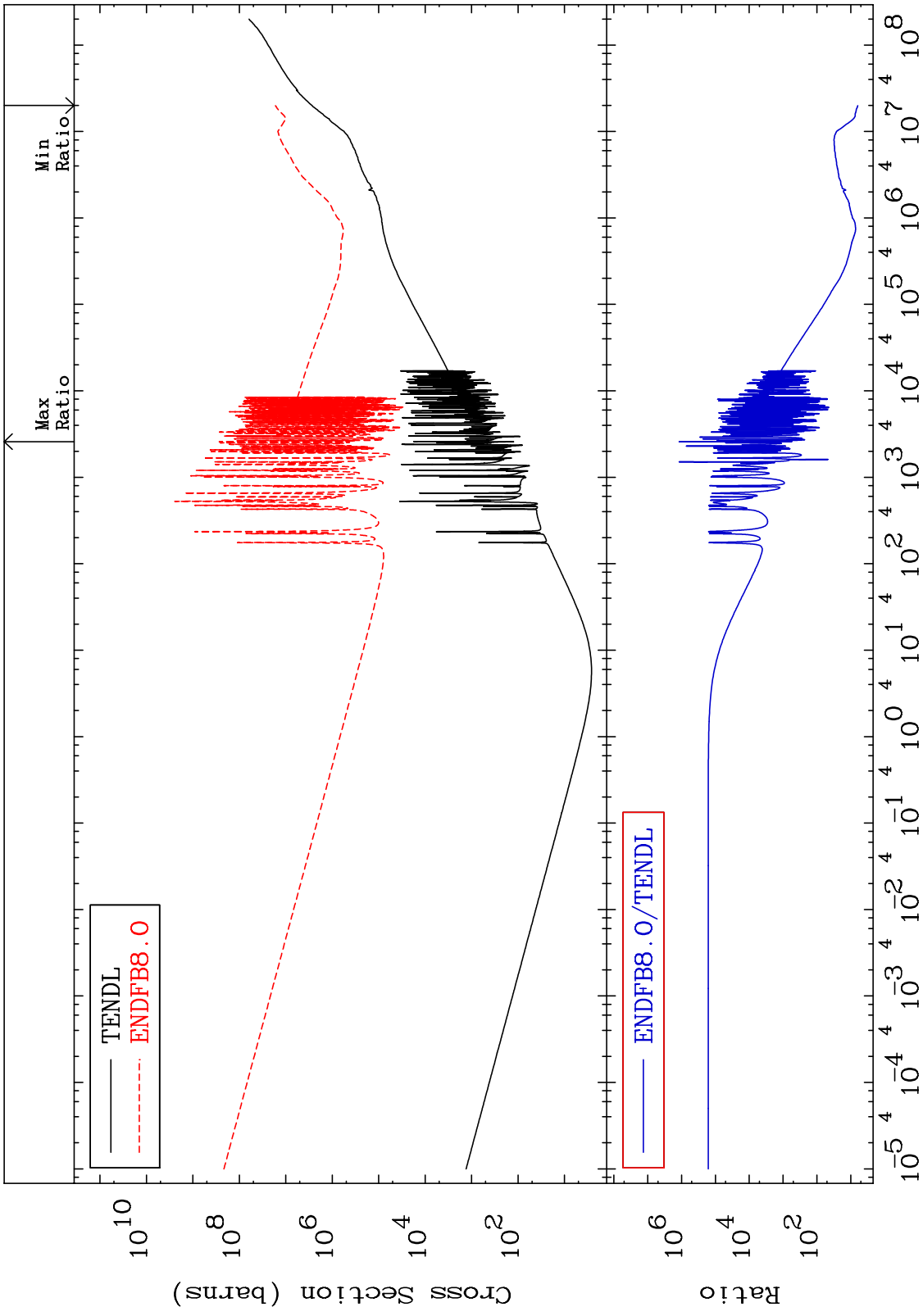
MAT 3725

He-4 Production
Cross Section

37-Rb-85
-99.99 To 9999. %



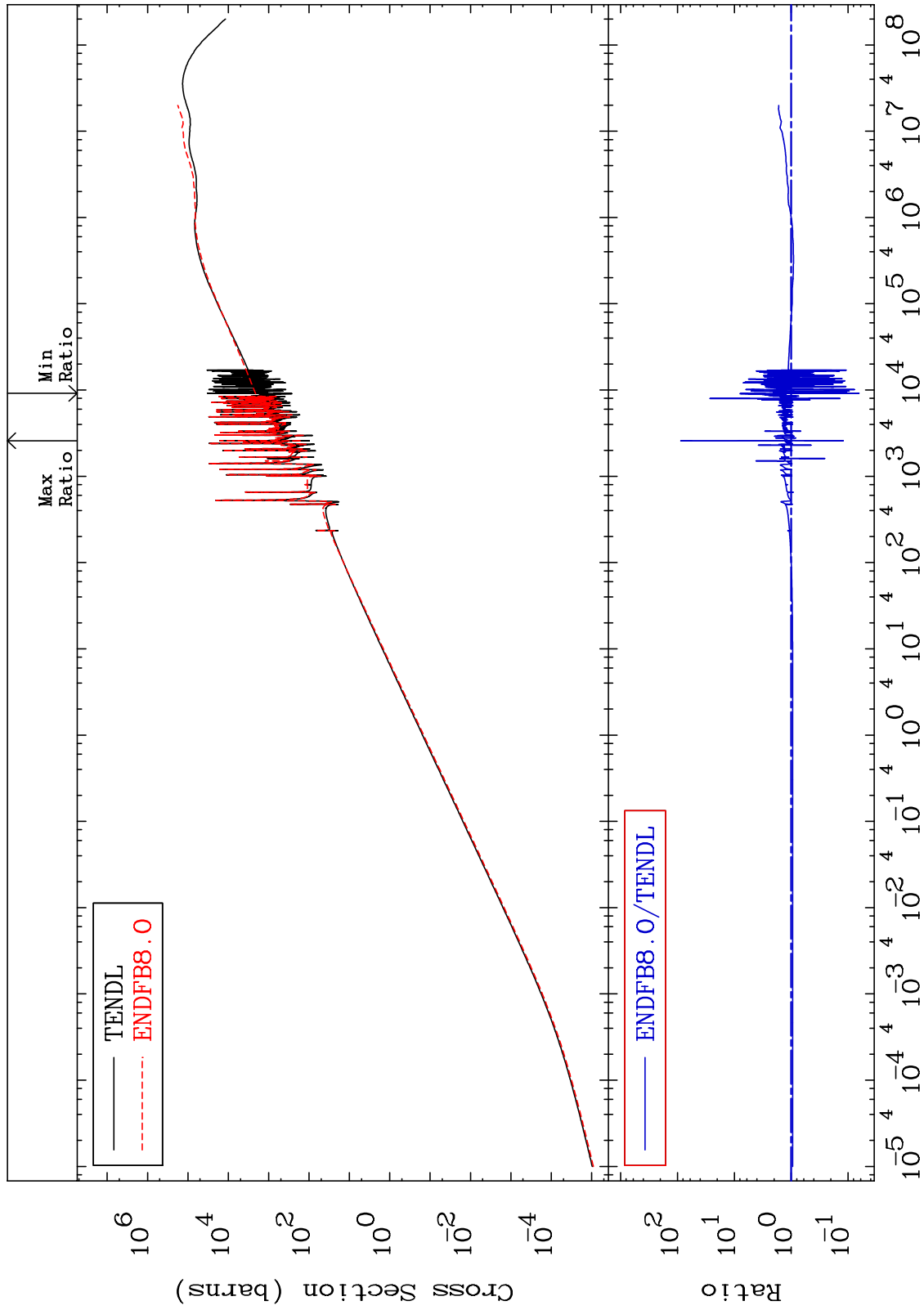
MAT 3725 Kerma total (eV-barns) Cross Section 37-Rb-85 514.9 To 9999. %



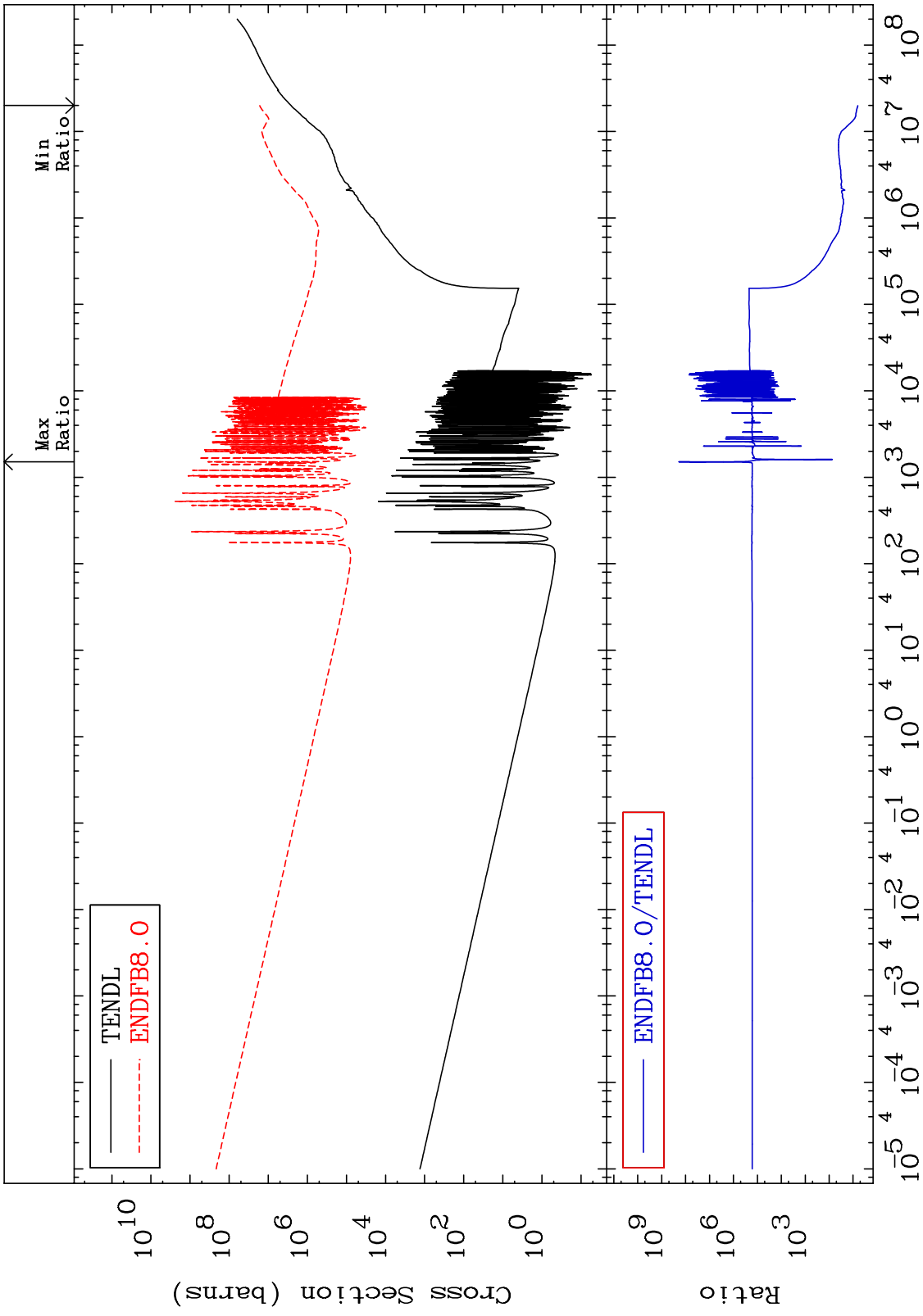
MAT 3725

Kerma elastic
Cross Section

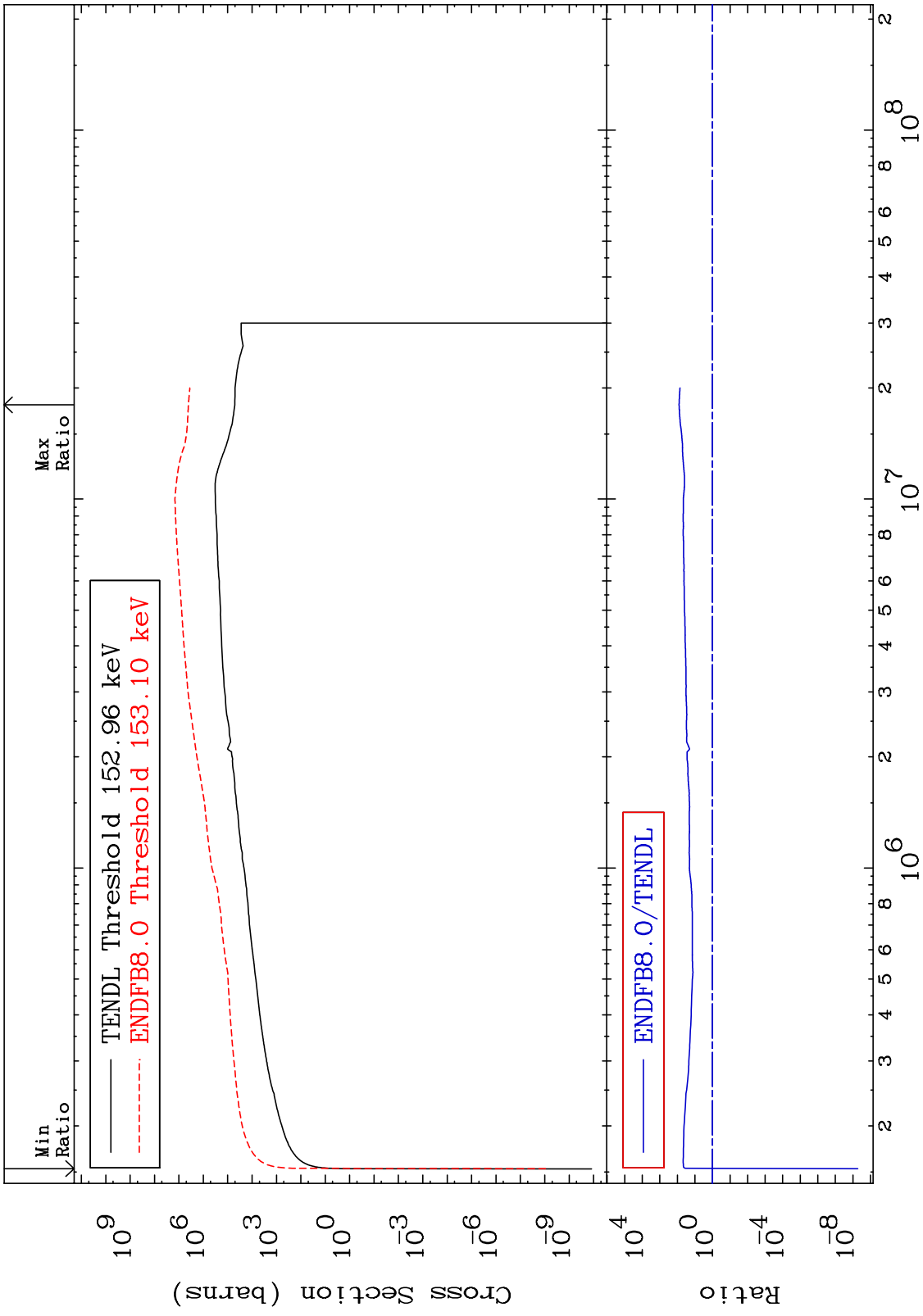
37-Rb-85
-93.58 To 8696. %



MAT 3725 Kerma non-elastic (all but mt2) Cross Section 37-Rb-85 533.2 To 9999. %



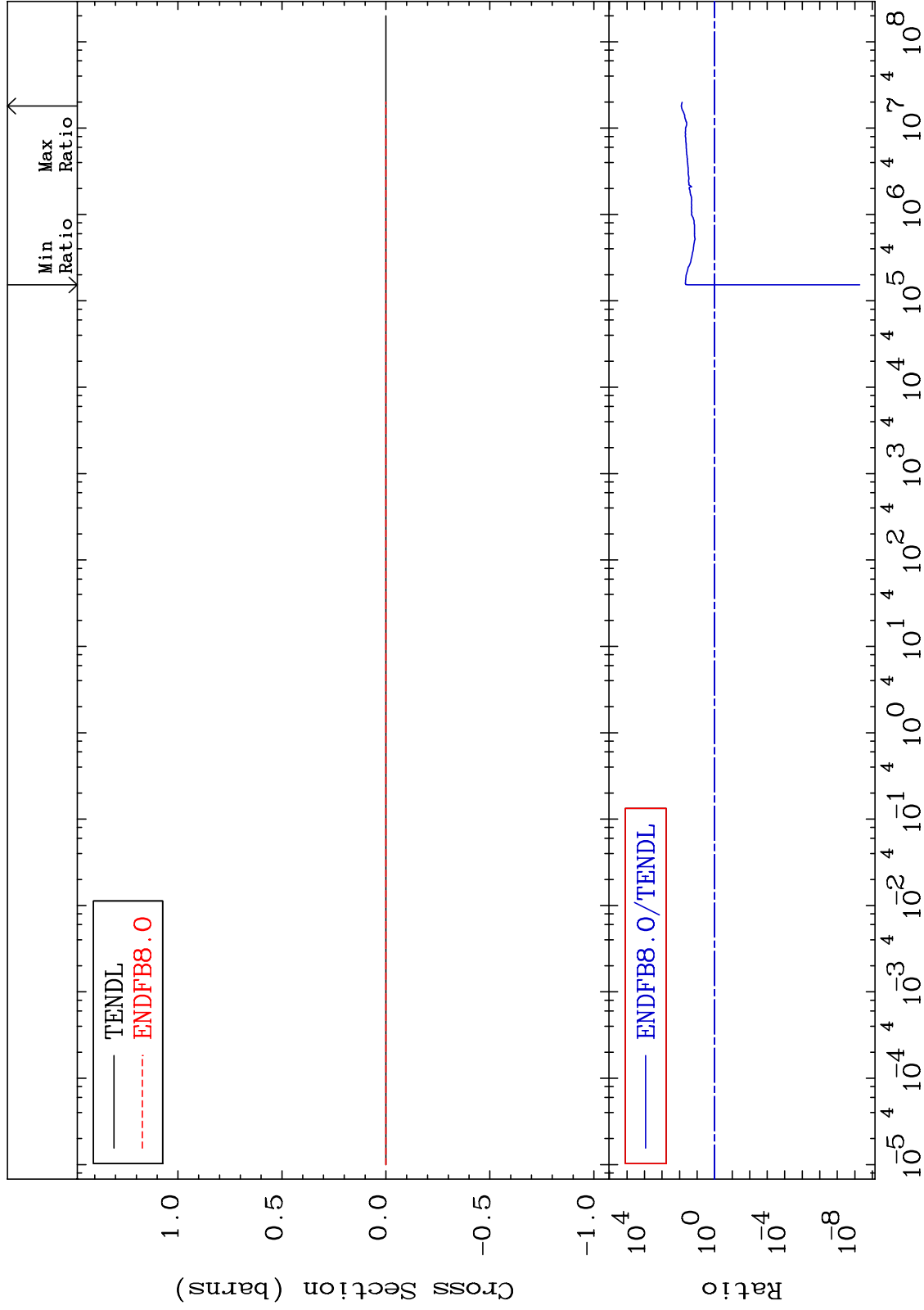
MAT 3725 Kerma inelastic (mt51-91) 37-Rb-85
 Cross Section -100.0 To 7907. %



MAT 3725

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

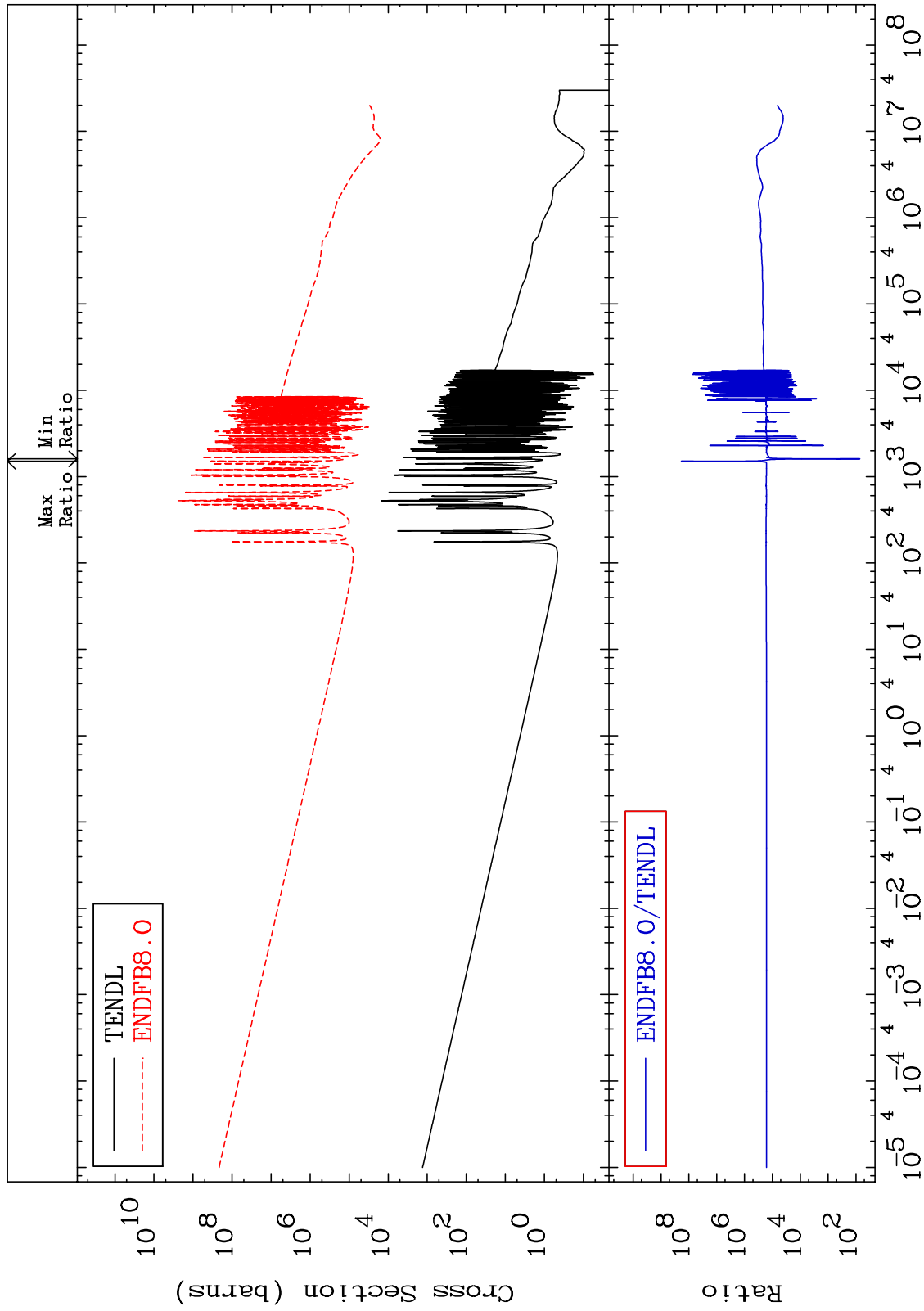
37-Rb-85
-100.0 To 7907. %



MAT 3725

Kerma capture (mt102)
Cross Section

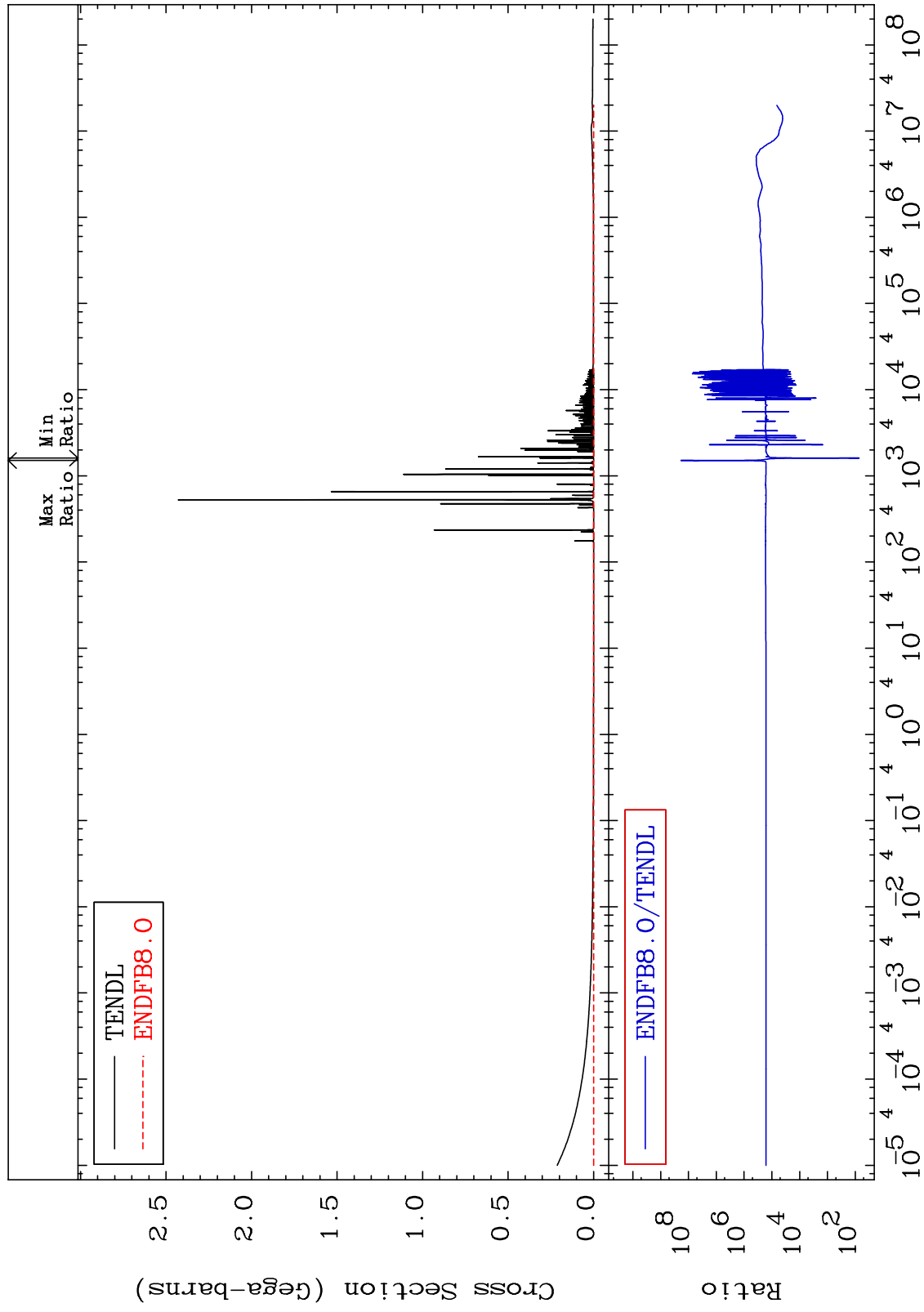
37-Rb-85
7217. To 9999. %



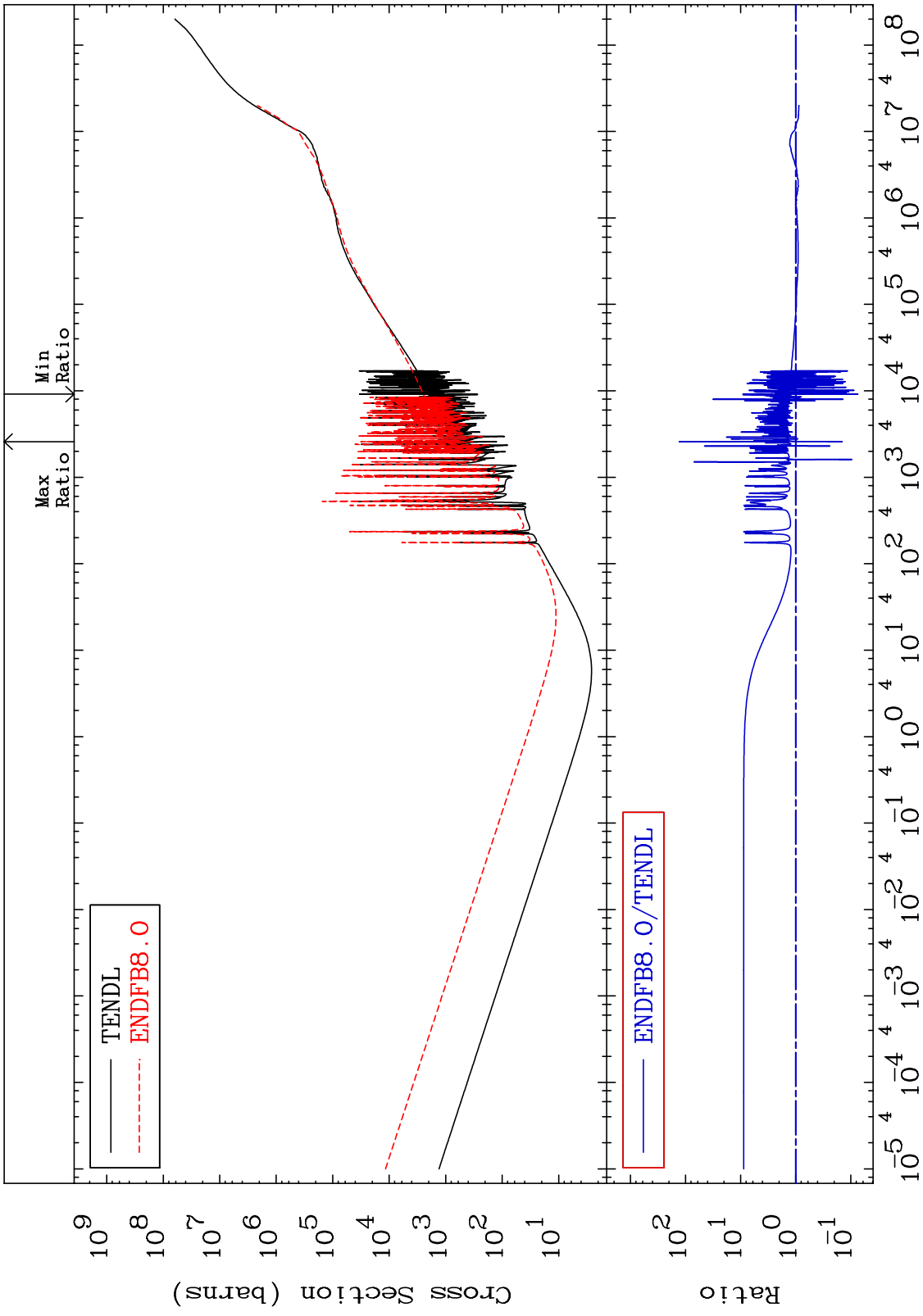
MAT 3725

Total photon (eV-barns)
Cross Section

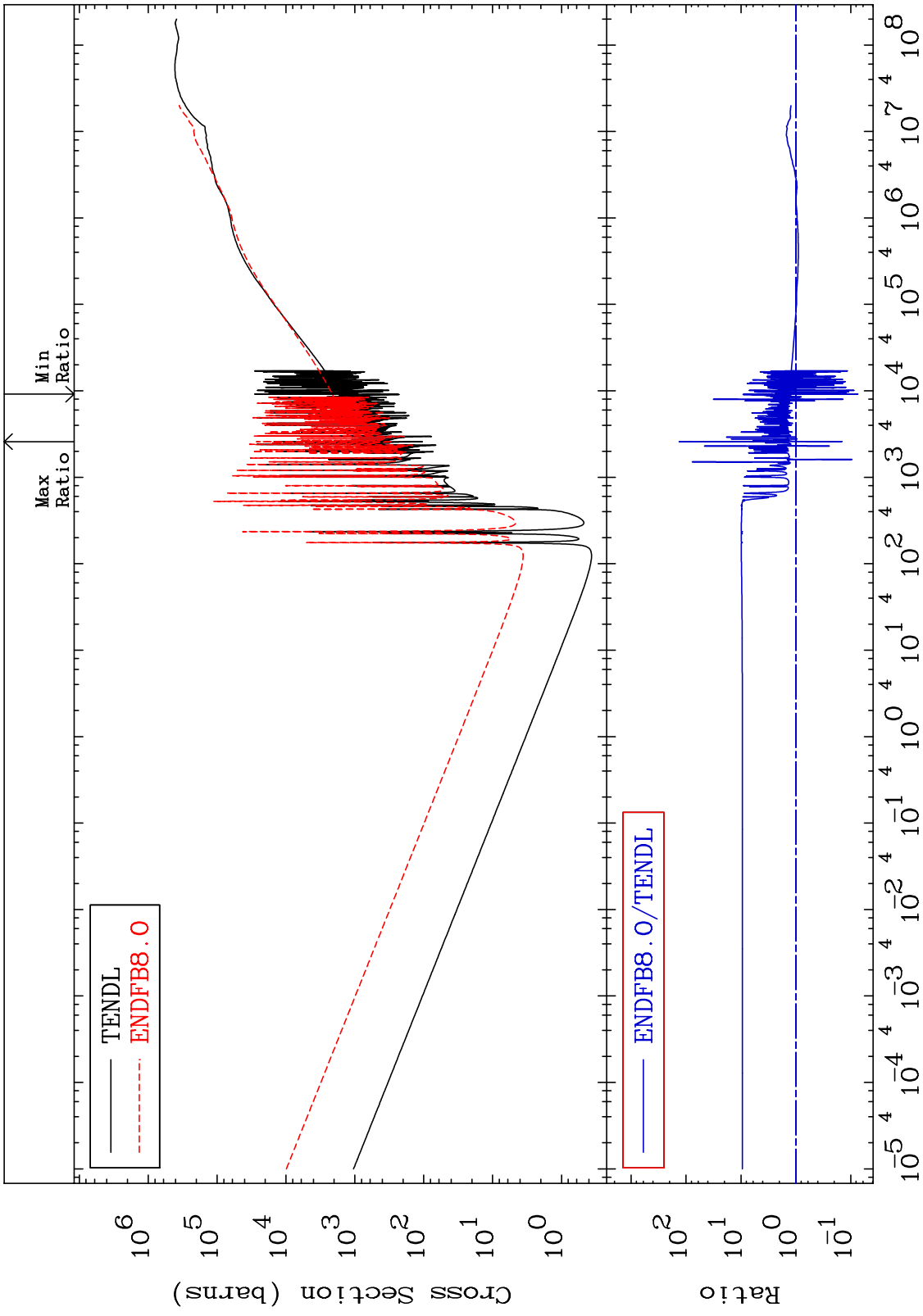
37-Rb-85
7217. To 9999. %



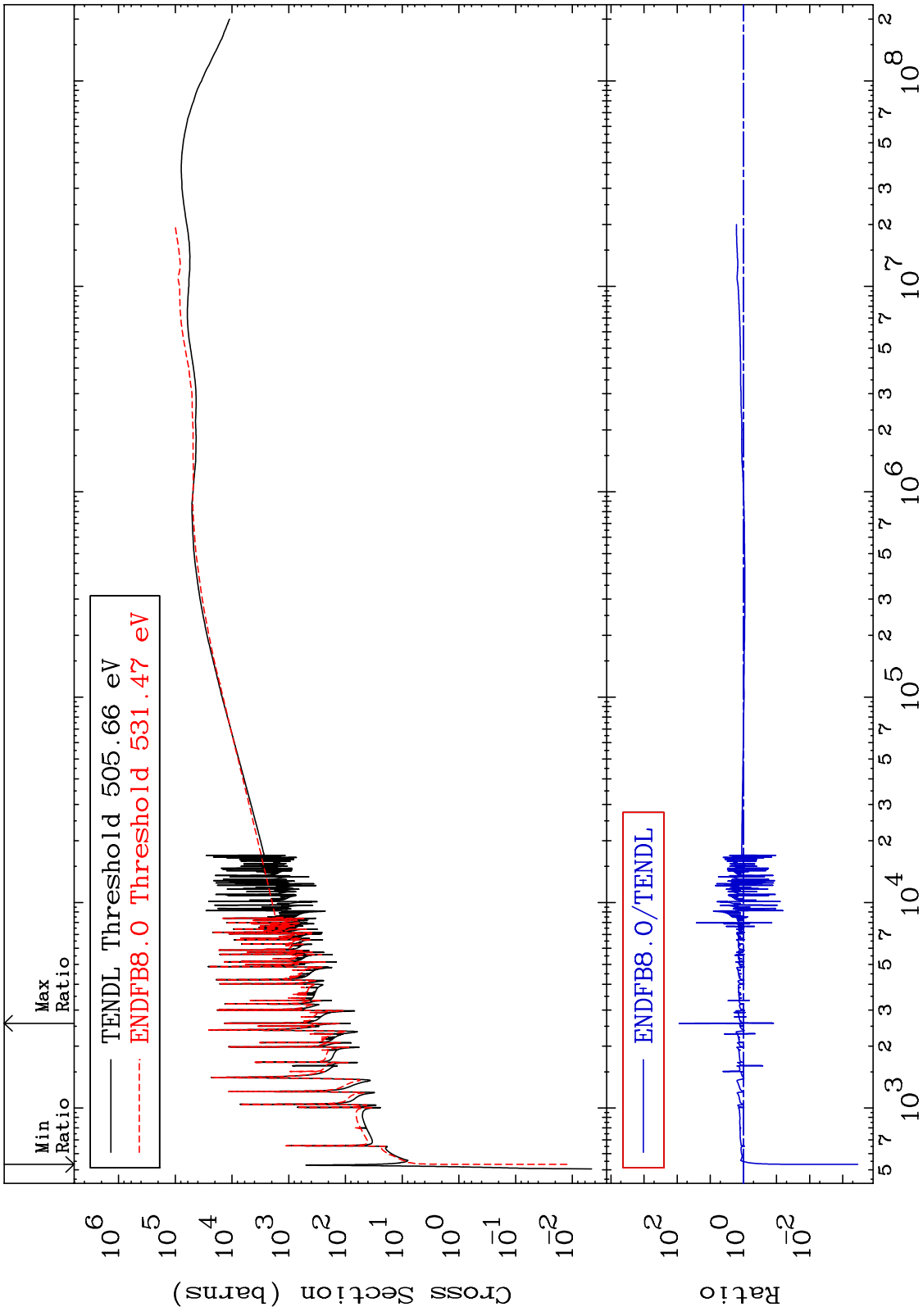
MAT 3725 Total kinematic kerma (high limit) 37-Rb-85
 Cross Section -92.54 To 9999. %



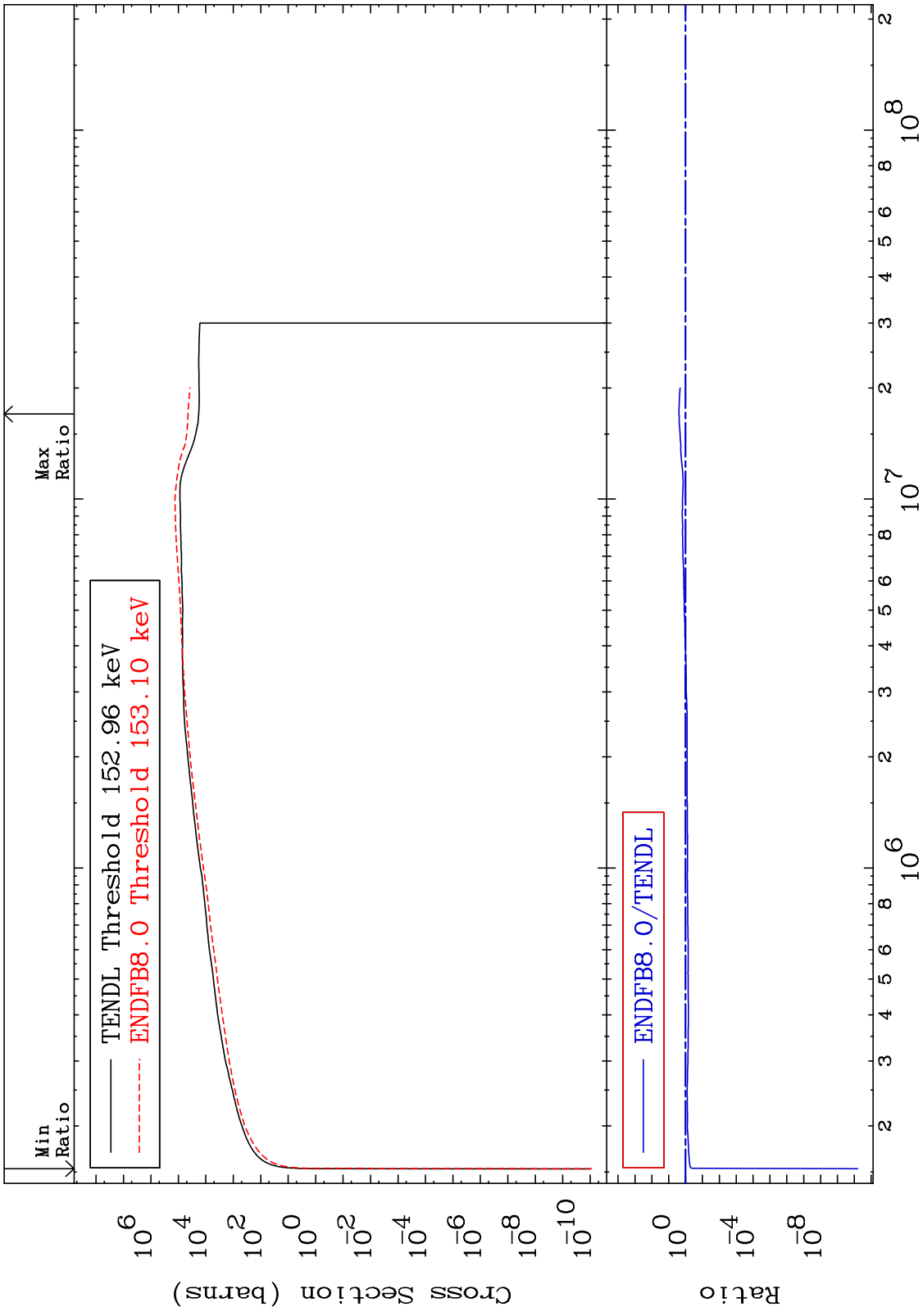
MAT 3725 Dpa total (eV-barns) 37-Rb-85
 Cross Section -92.56 To 9999. %



MAT 3725 Dpa elastic (mt2) 37-Rb-85
 Cross Section -99.96 To 8695. %



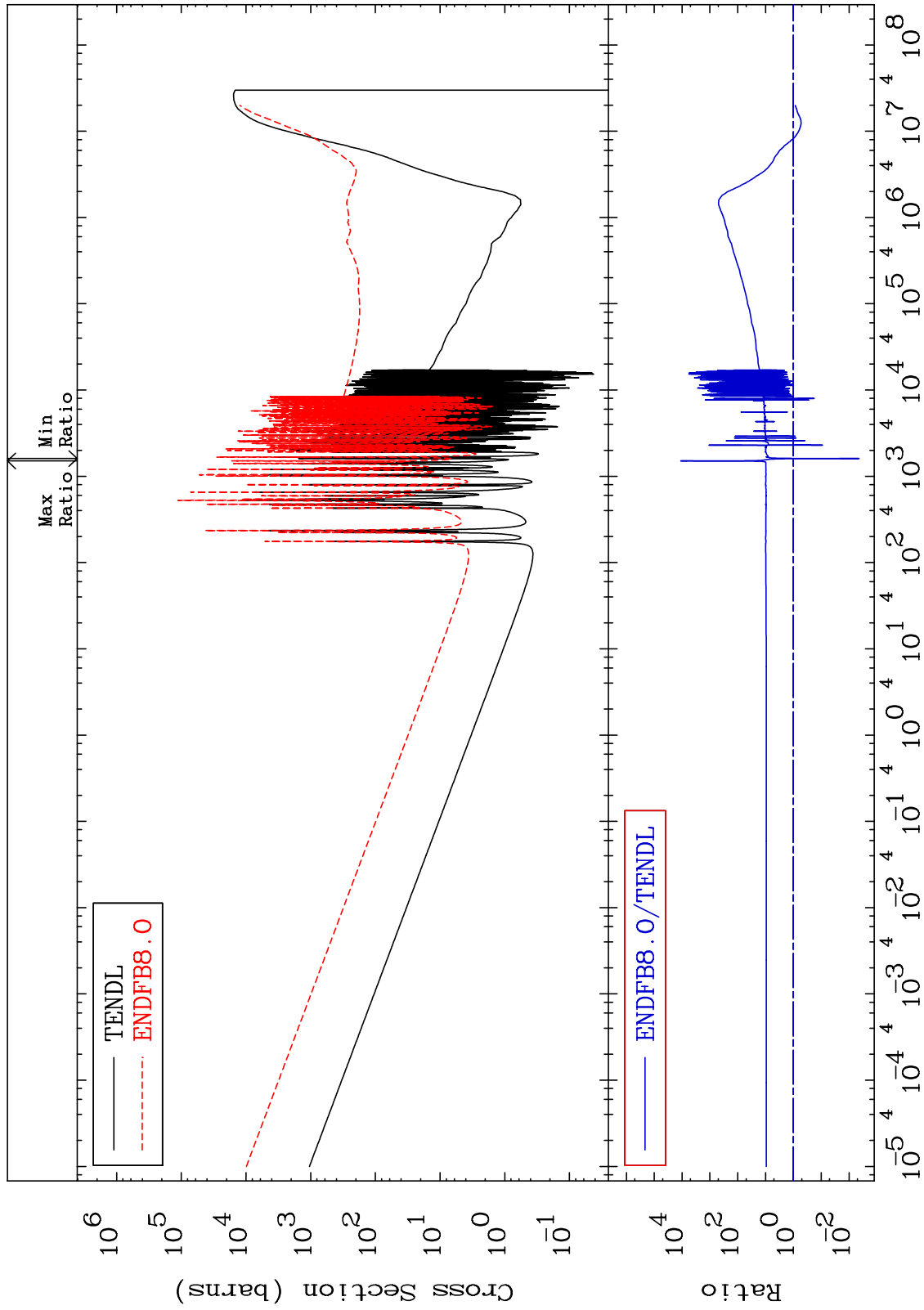
MAT 3725 Dpa inelastic (mt51-91) 37-Rb-85
 Cross Section -100.0 To 143.9 %



MAT 3725

Dpa disappearance (mt102 -120)
Cross Section

37-Rb-85
-99.56 To 9999. %



40

Incident Energy (eV)

37-Rb-85