

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

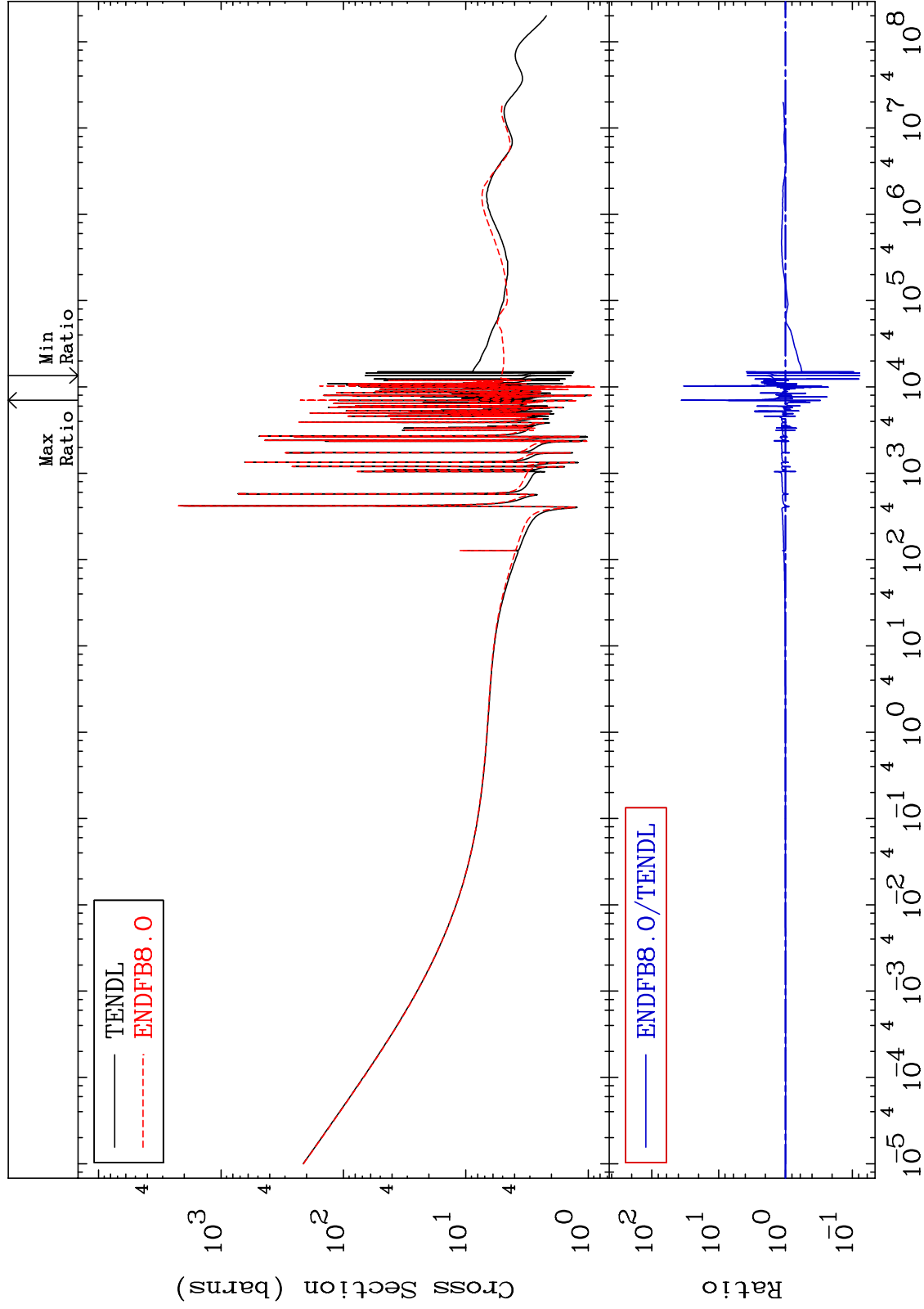
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5646

Total
Cross Section

56-Ba-137
-92.29 To 3499. %



1

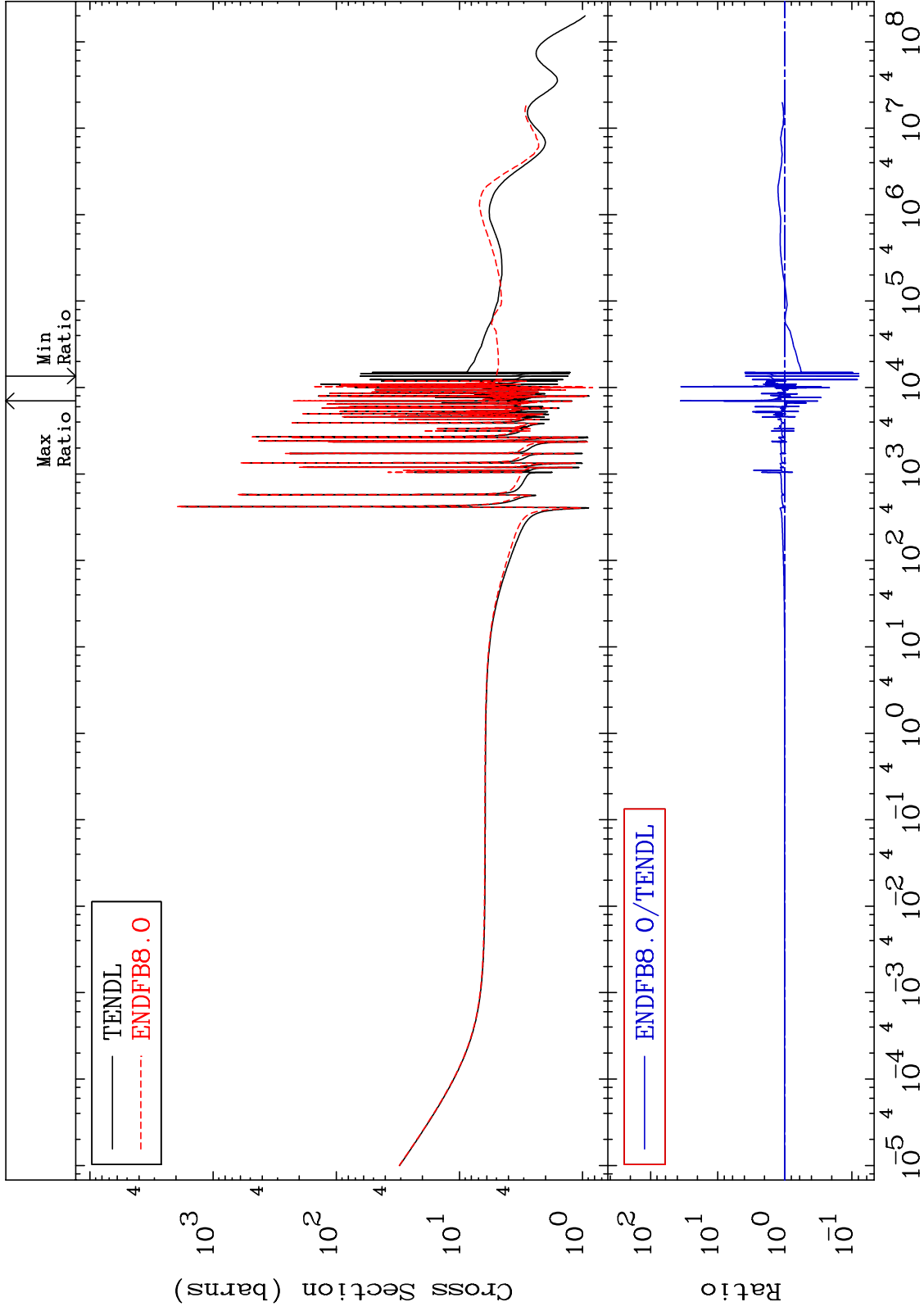
Incident Energy (eV)

56-Ba-137

MAT 5646

Elastic
Cross Section

56-Ba-137
-92.13 To 3515. %

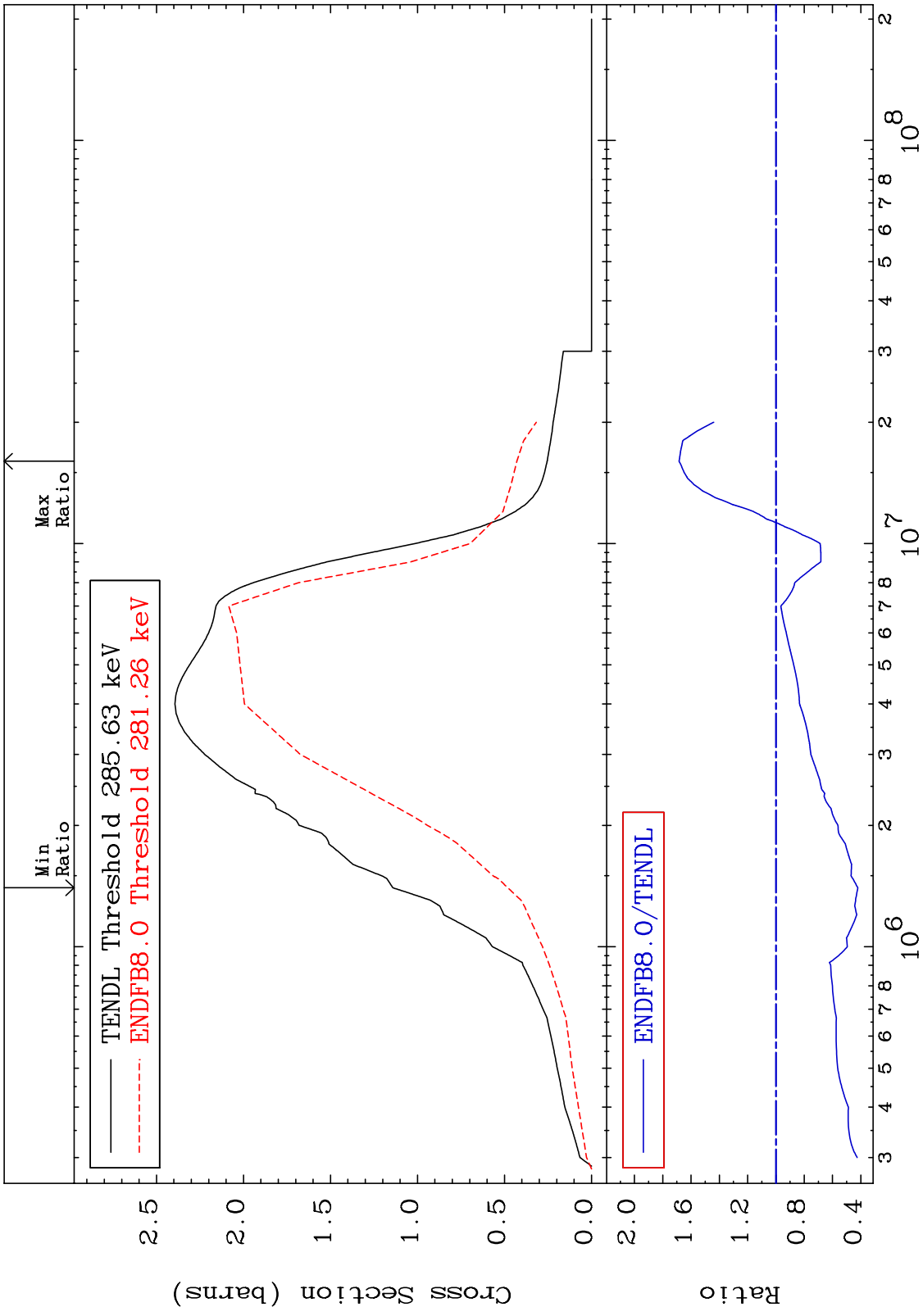


2

Incident Energy (eV)

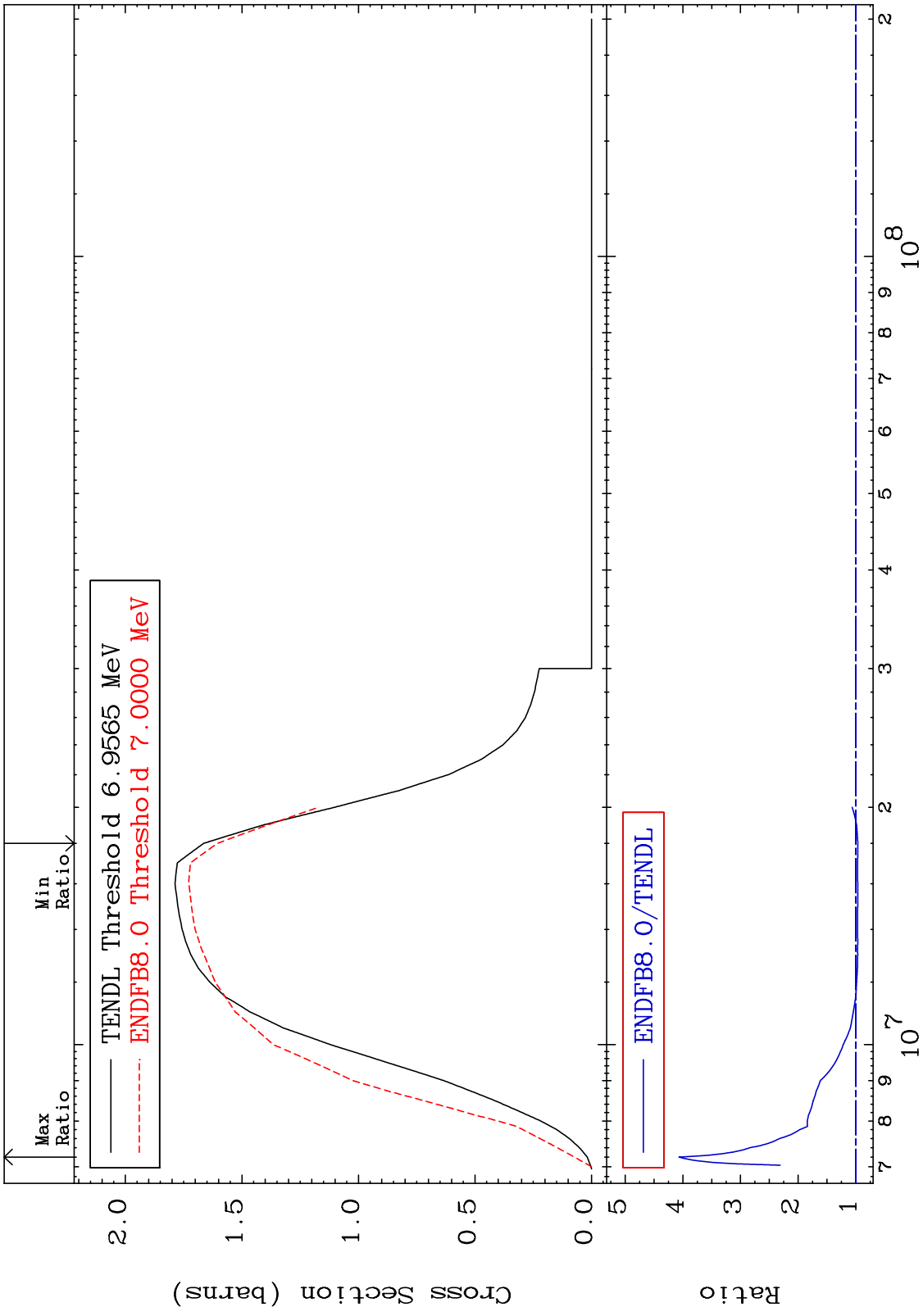
56-Ba-137

MAT 5646 56-Ba-137
-57.88 To 68.48 %
Inelastic Cross Section



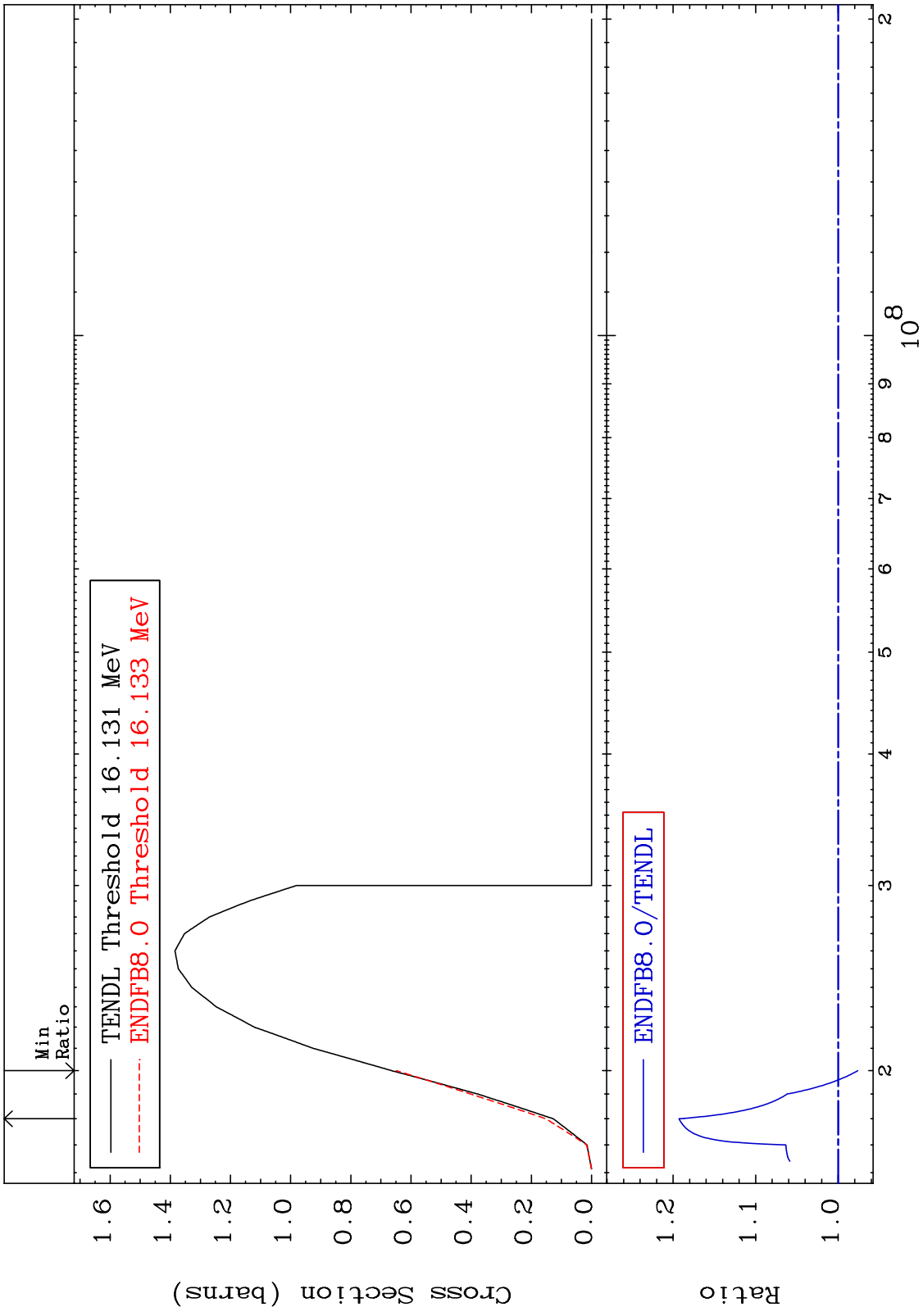
3 56-Ba-137

MAT 5646 56-Ba-137
-3.546 To 306.6 %
(n,2n)
Cross Section



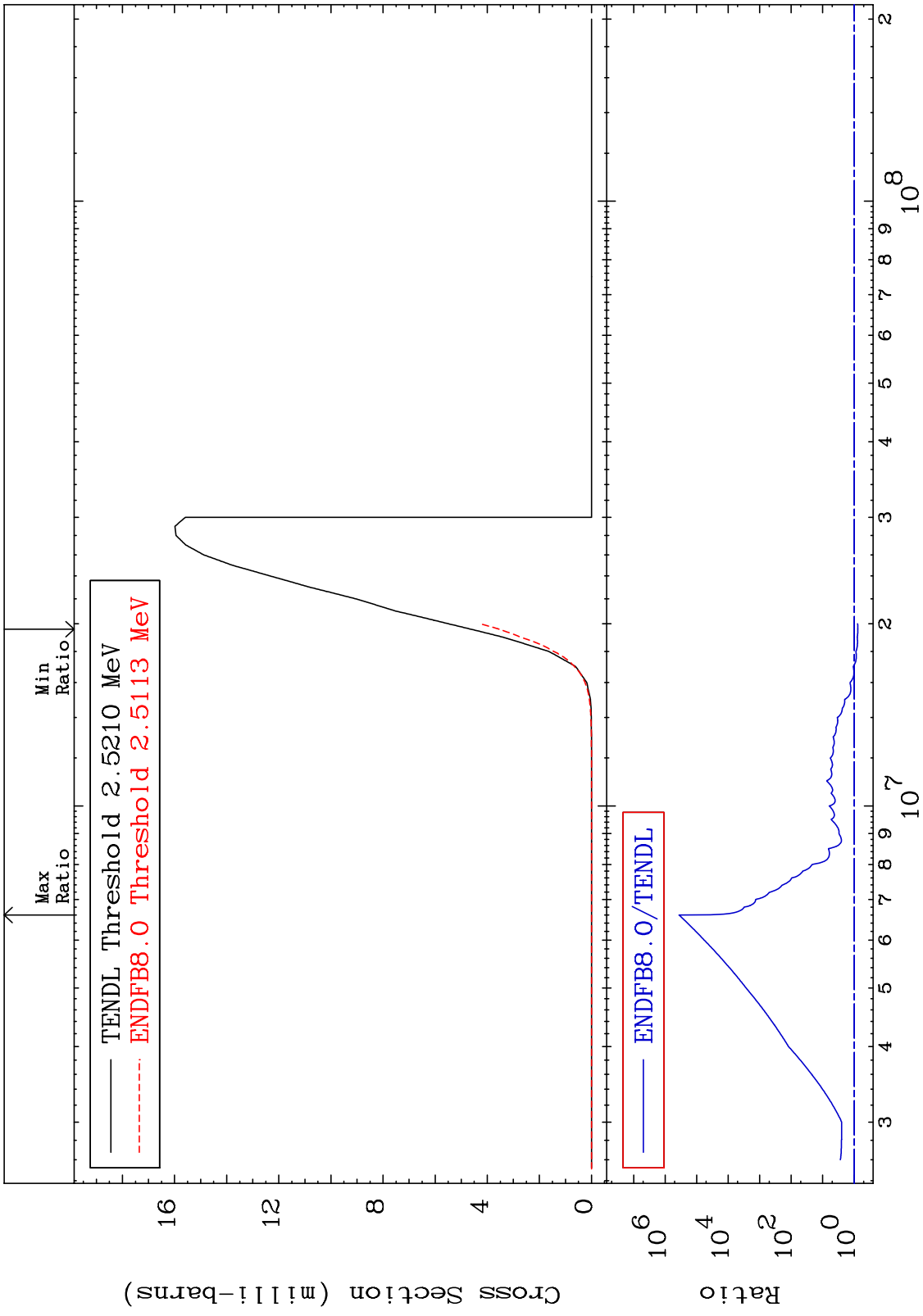
4 56-Ba-137
Incident Energy (eV)

MAT 5646 (n,3n) Cross Section 56-Ba-137 -2.376 To 19.28 %

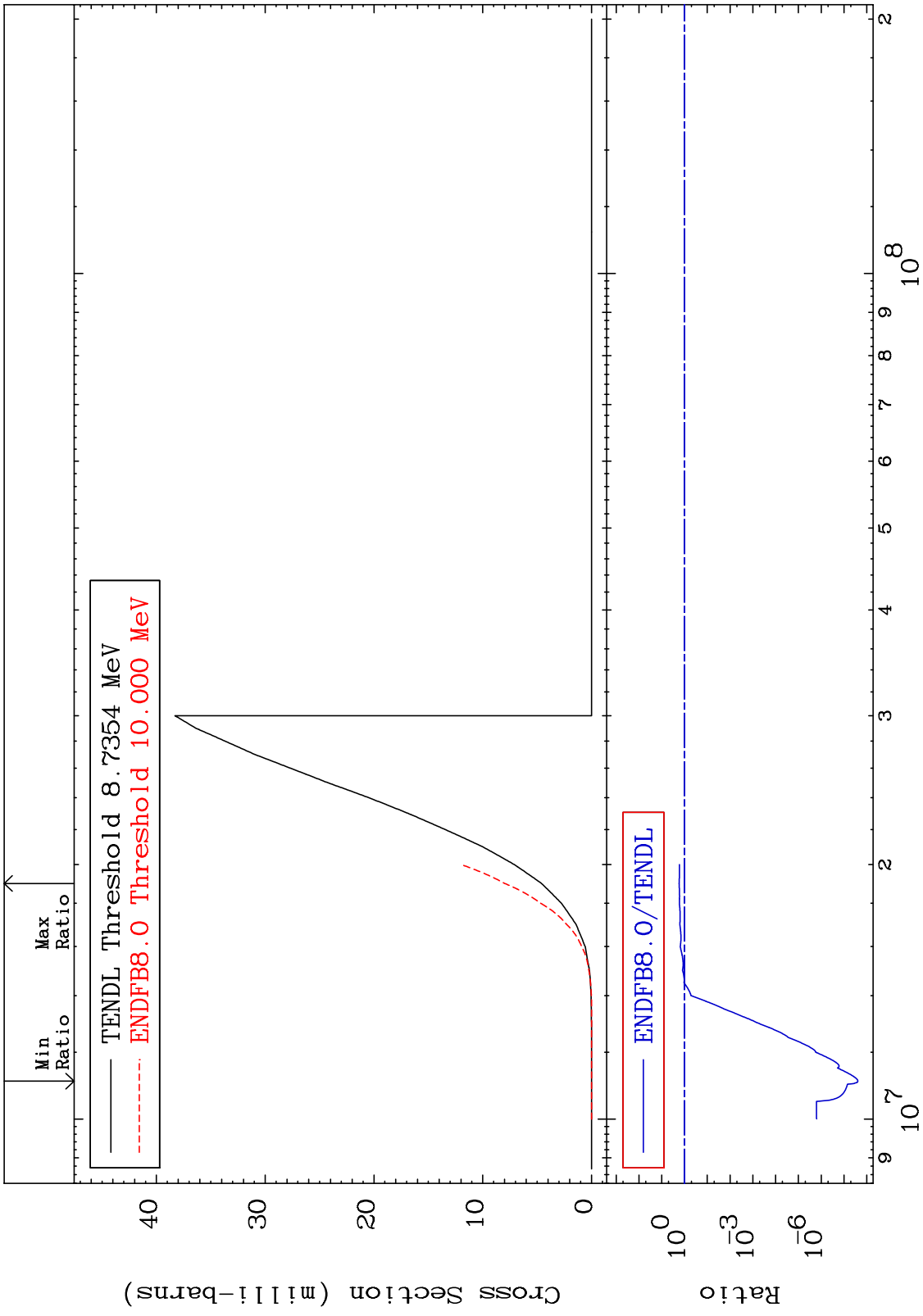


5 Incident Energy (eV) 56-Ba-137

MAT 5646 $(n, n') \alpha$ 56-Ba-137
 -23.27 To 9999. %
 Cross Section

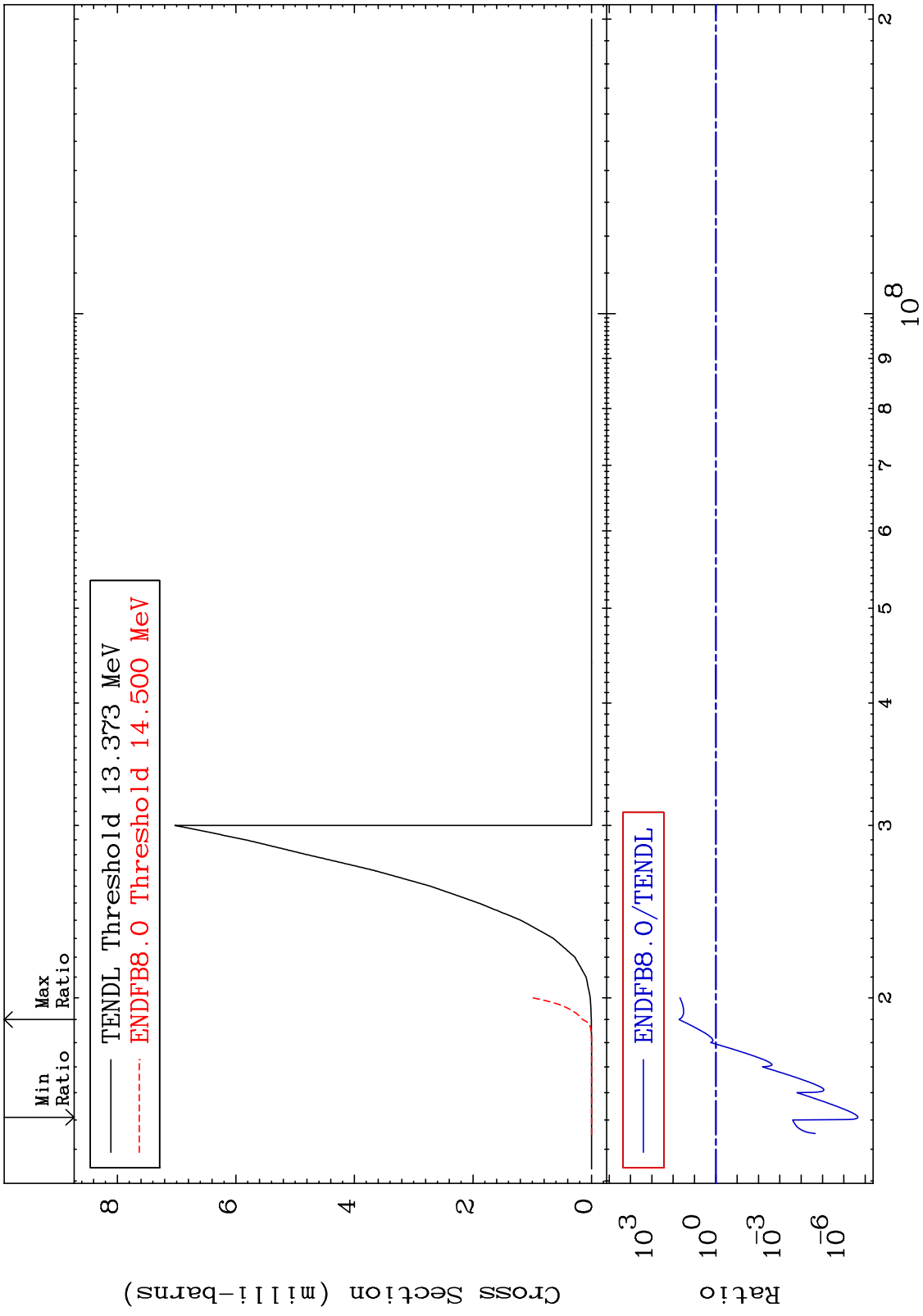


MAT 5646 56-Ba-137
-100.0 To 73.63 %
 (n,n') p
 Cross Section

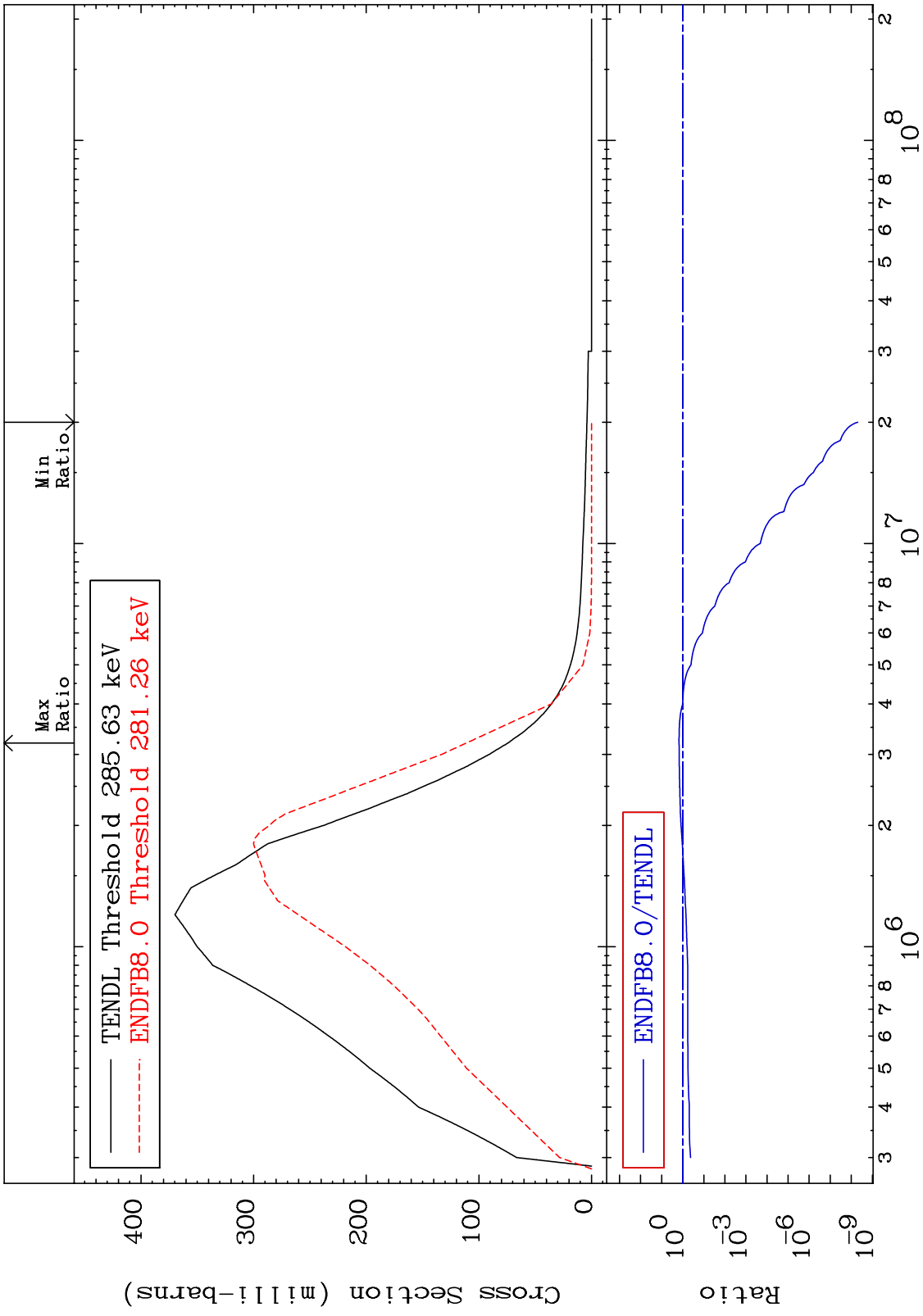


7 8
9
10⁷
10⁸
 2

MAT 5646 (n,n') d 56-Ba-137
 Cross Section -100.0 To 5206. %

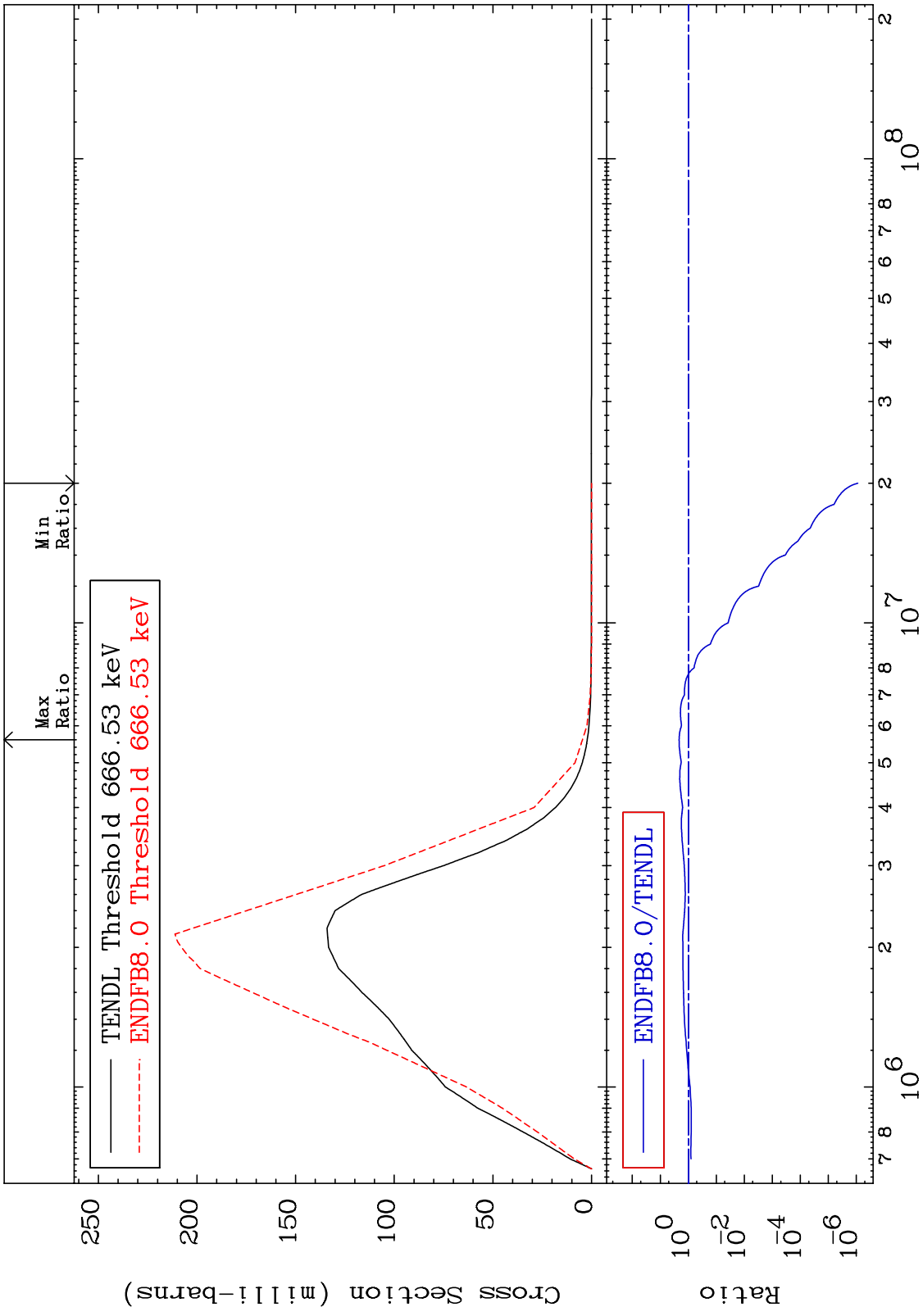


MAT 5646 MT= 51 (n,n') Level Cross Section 56-Ba-137 -100.0 To 49.73 %



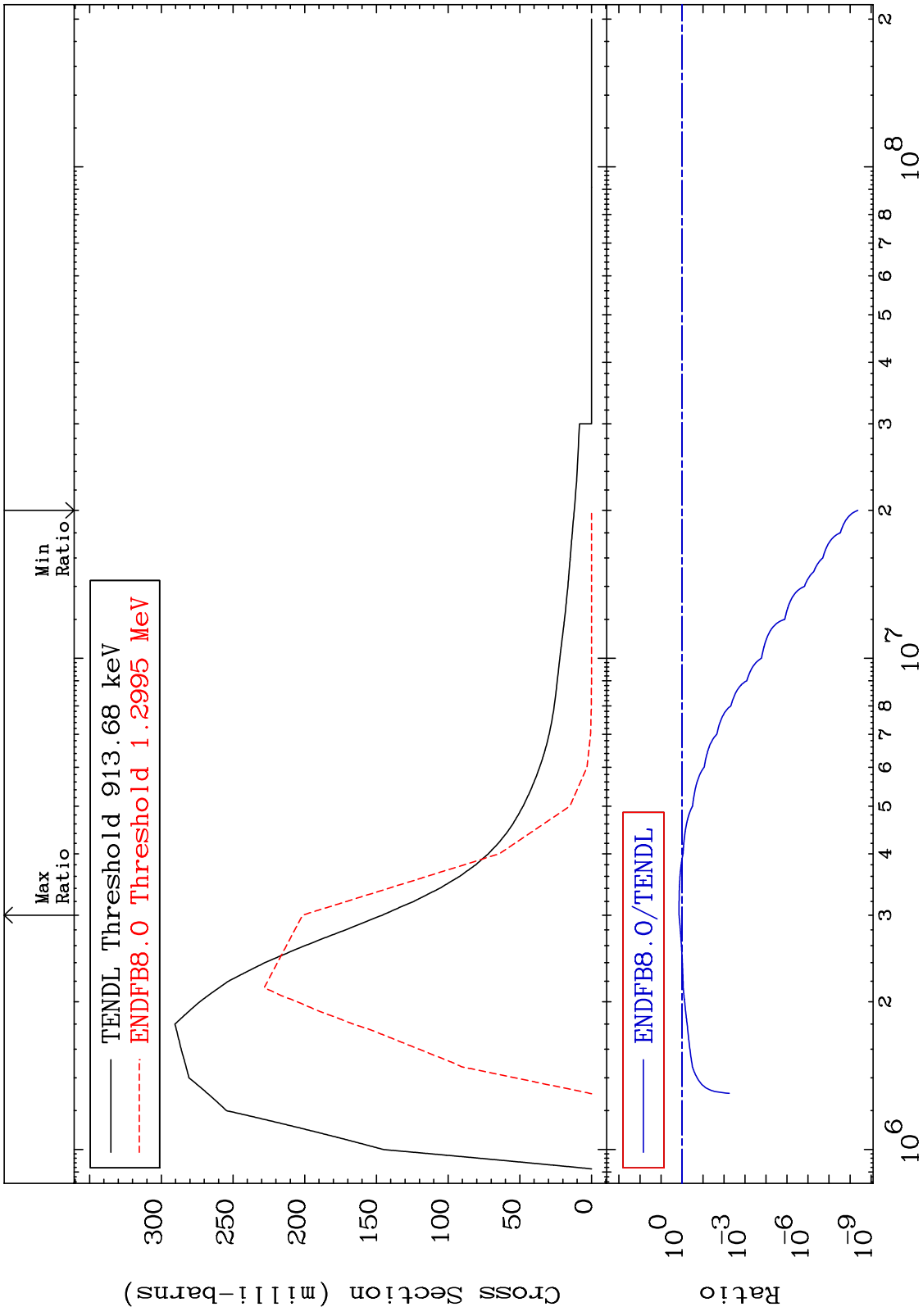
9 56-Ba-137

MAT 5646 MT= 52 (n,n') Level Cross Section 56-Ba-137
 -100.0 To 114.1 %

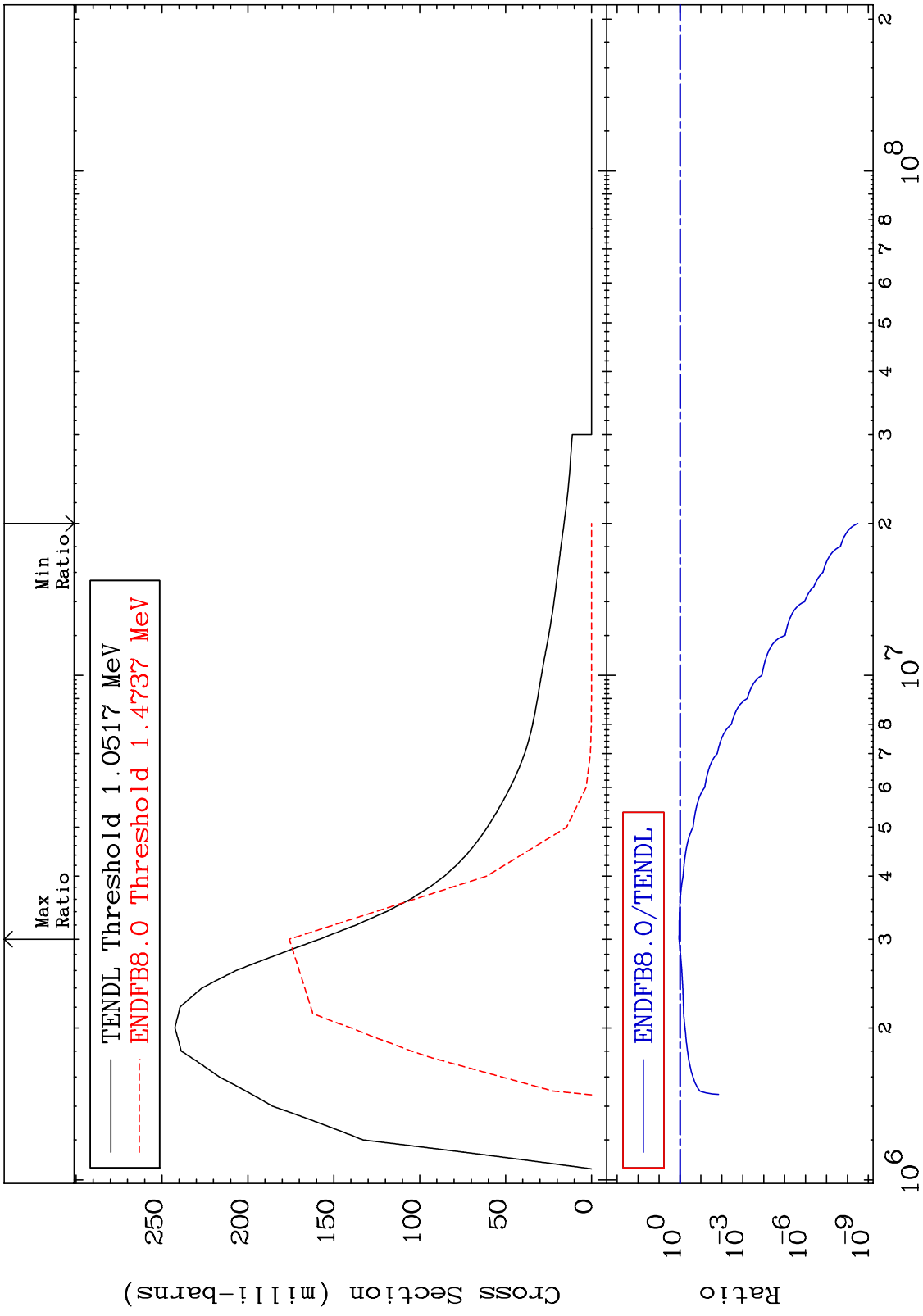


10 Incident Energy (eV) 56-Ba-137

MAT 5646 MT= 53 (n, n') Level Cross Section 56-Ba-137 -100.0 To 38.14 %



MAT 5646 MT= 54 (n, n') Level Cross Section 56-Ba-137 -100.0 To 11.18 %

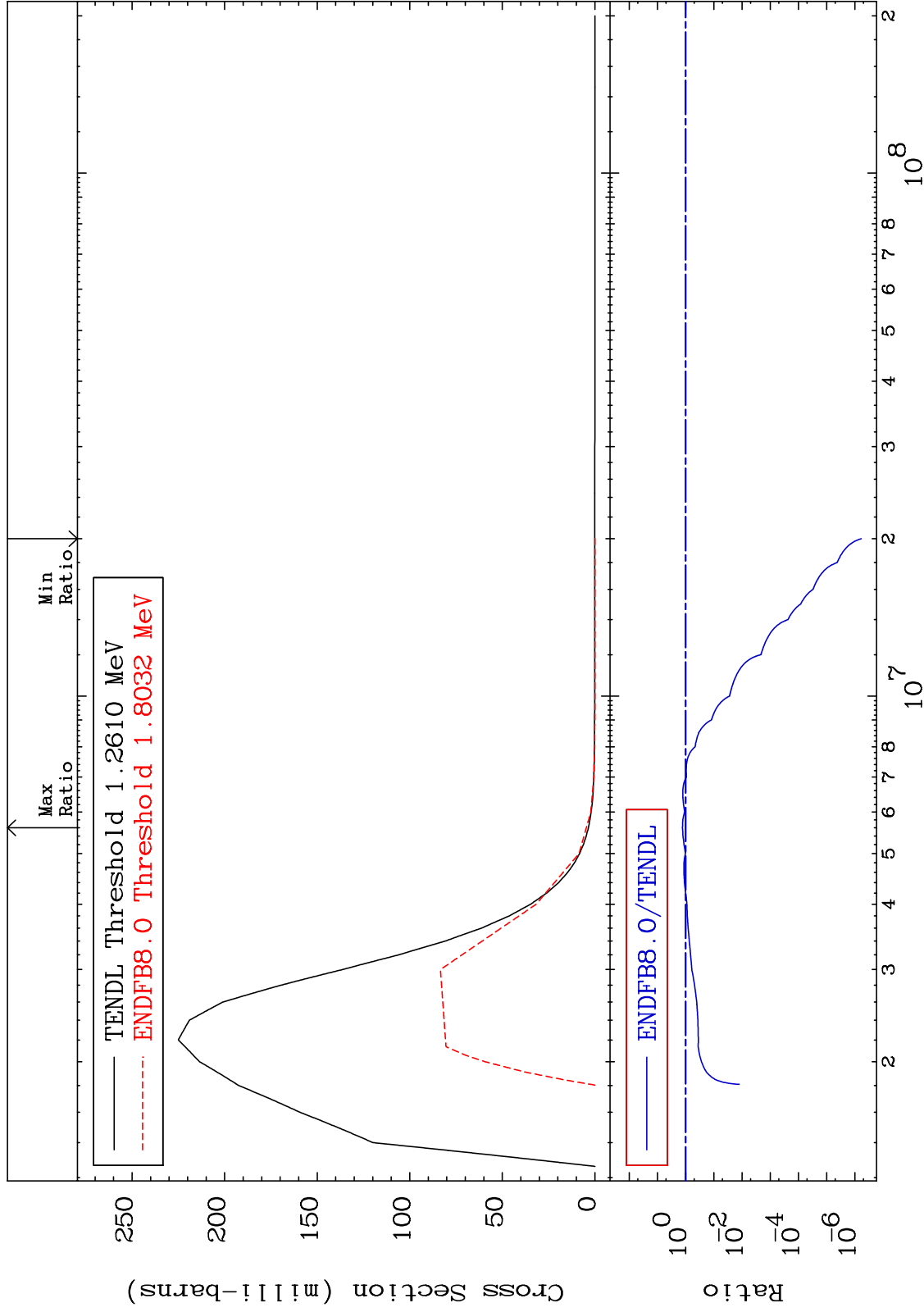


12 Incident Energy (eV) 56-Ba-137

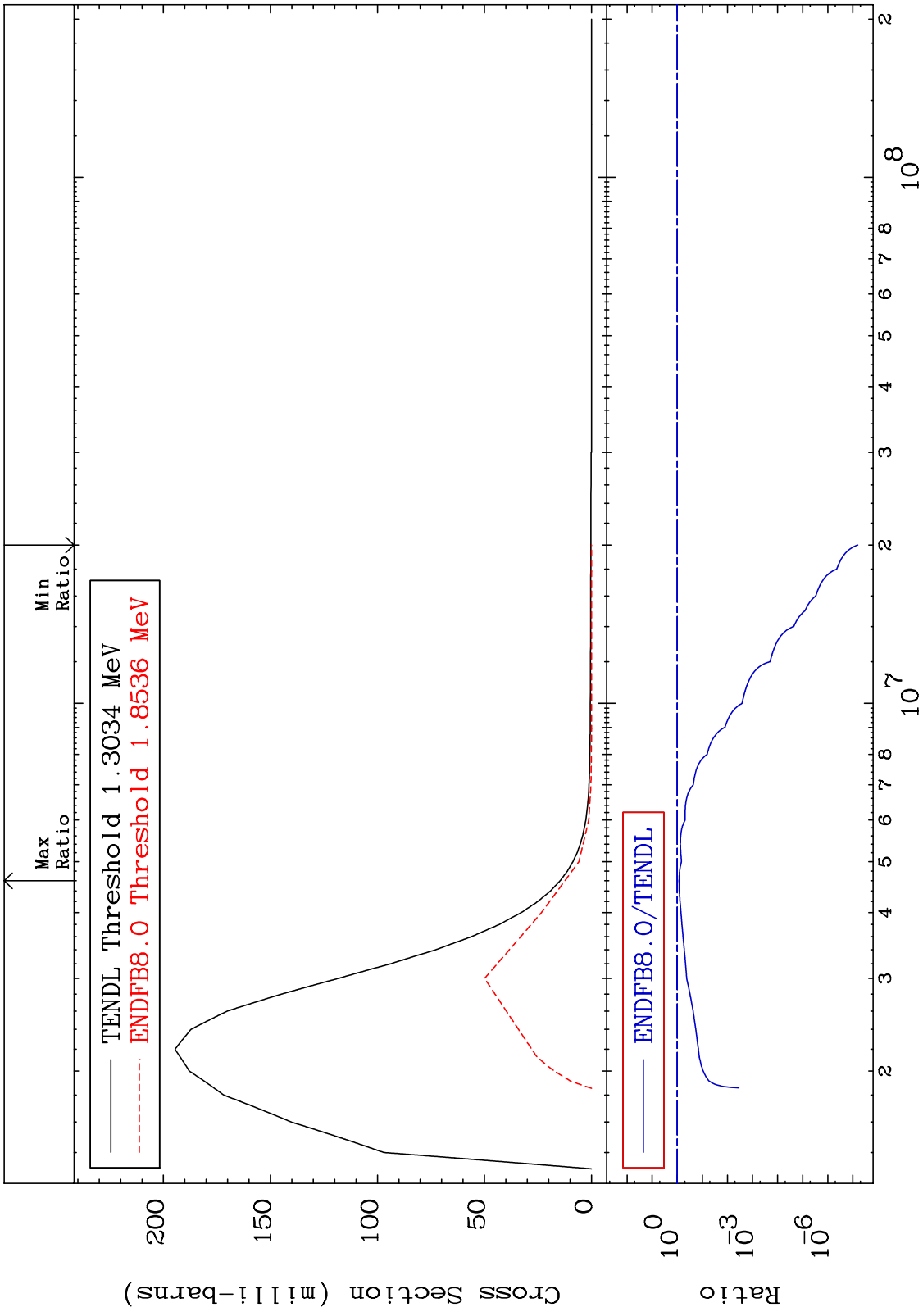
MAT 5646

MT= 55 (n,n') Level
Cross Section

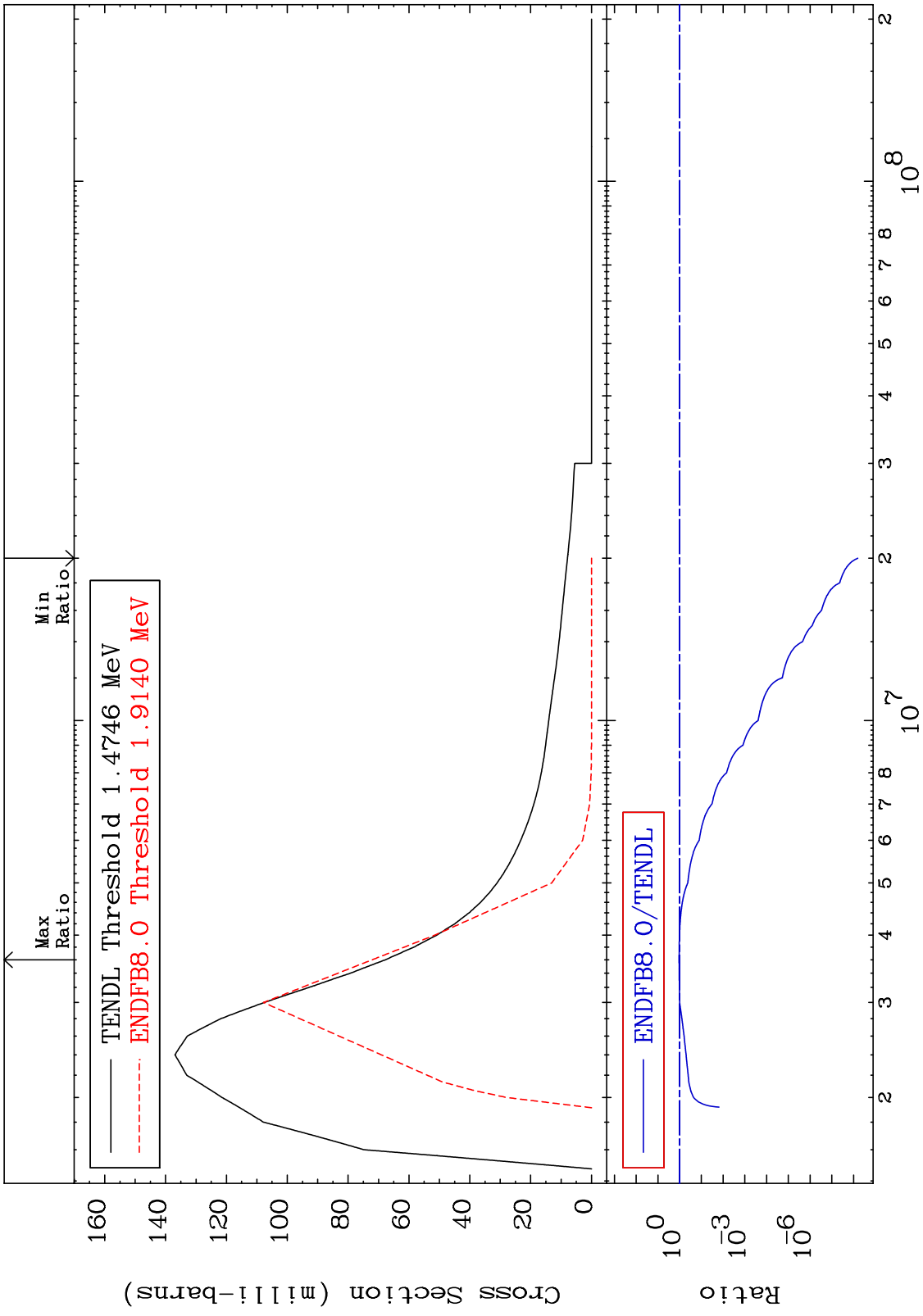
56-Ba-137
-100.0 To 30.91 %



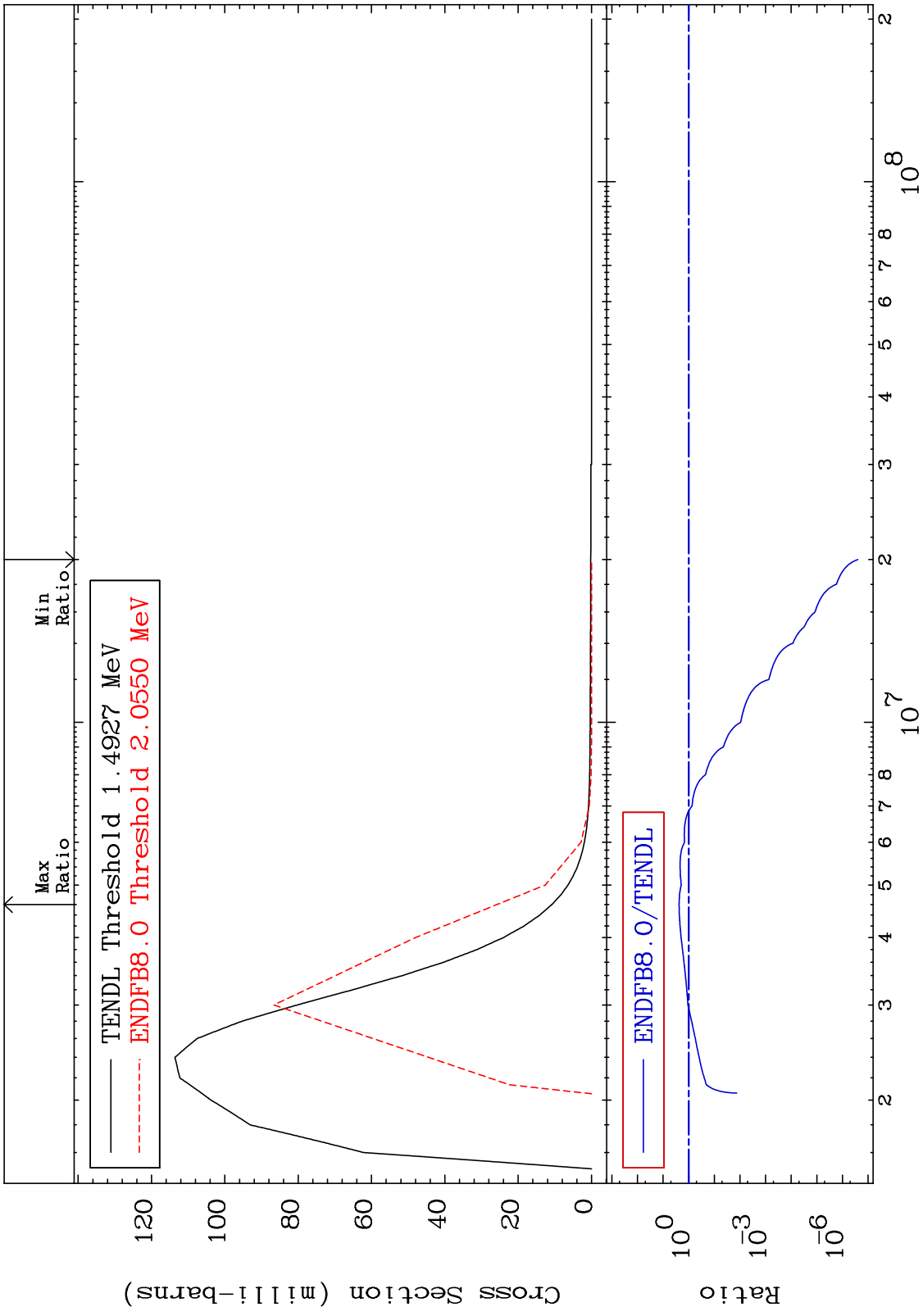
MAT 5646 MT= 56 (n,n') Level Cross Section 56-Ba-137 -100.0 To -15.10%

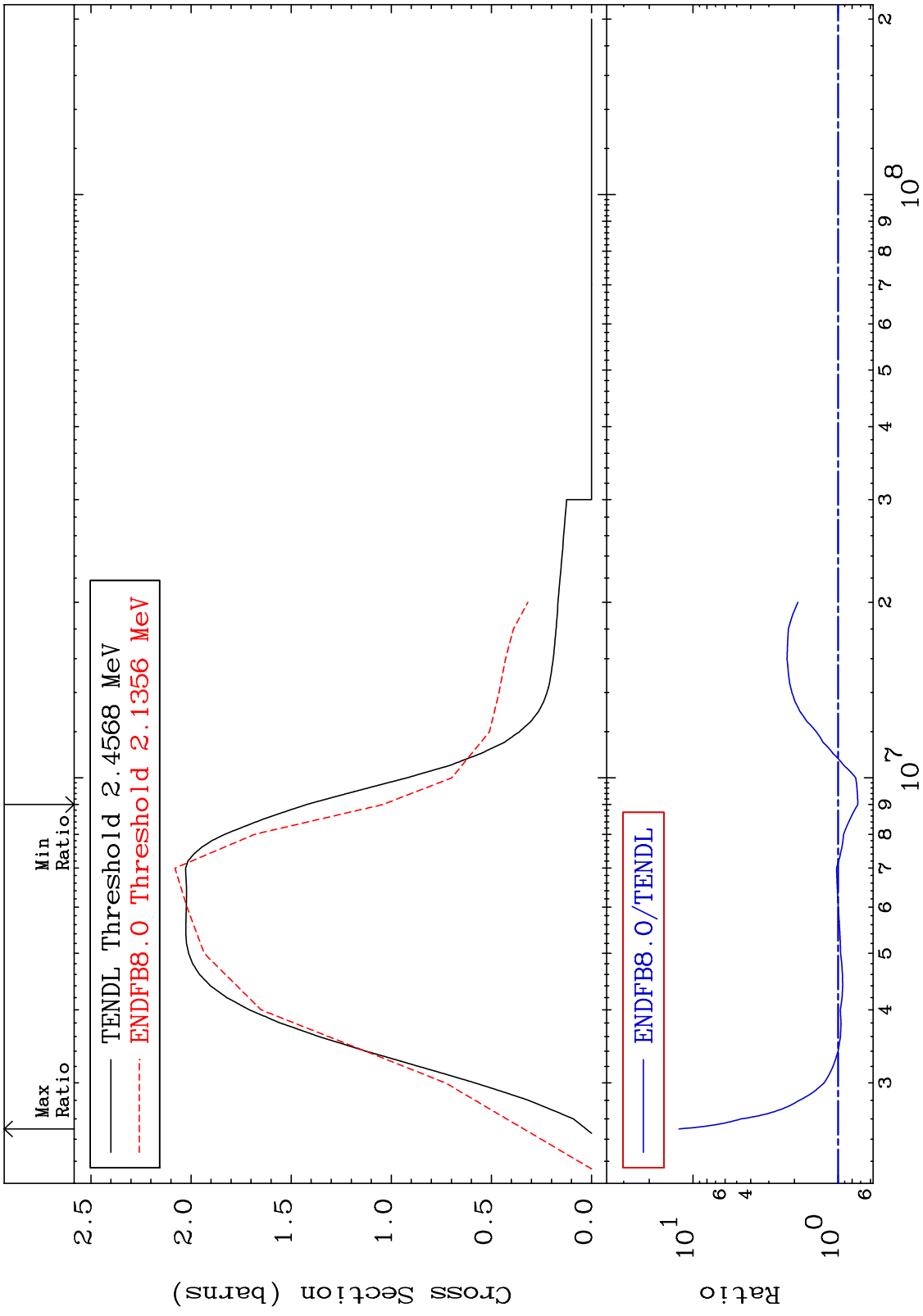


MAT 5646 MT= 57 (n,n') Level Cross Section 56-Ba-137 -100.0 To 6.454 %



MAT 5646 MT= 58 (n,n') Level Cross Section 56-Ba-137 -100.0 To 138.9 %





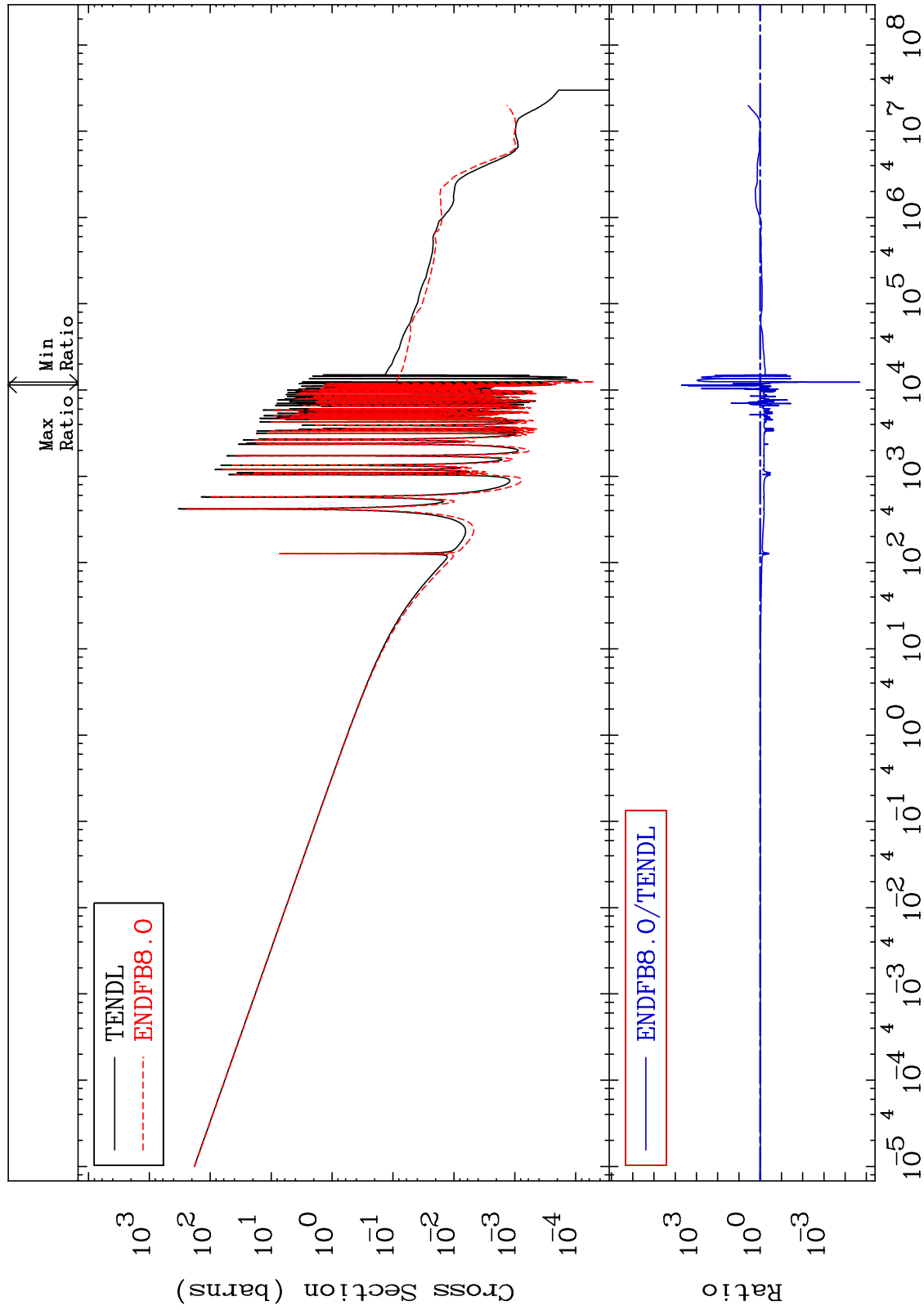
MAT 5646

(n, γ)

56-Ba-137

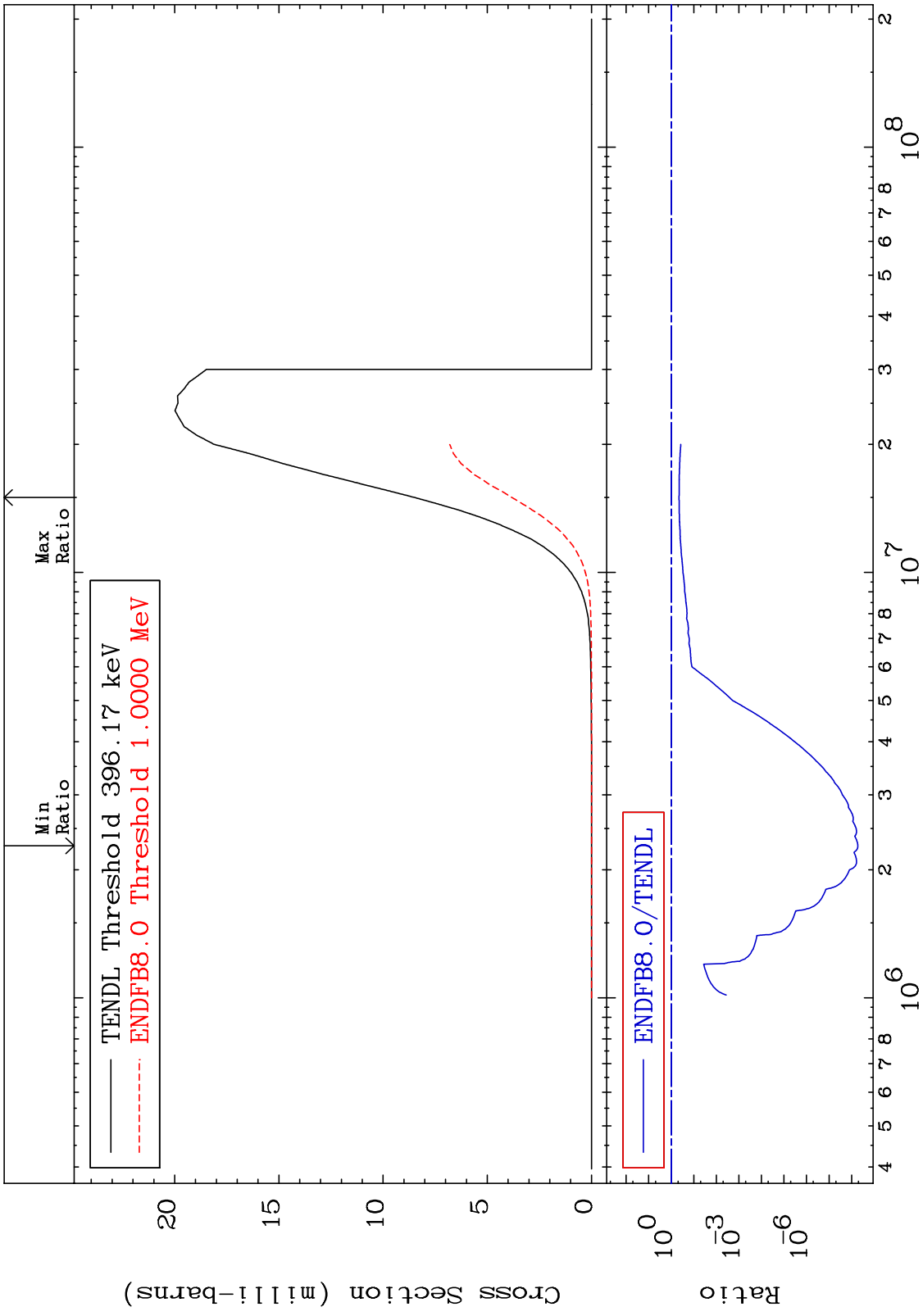
Cross Section

-100.0 To 9999. %

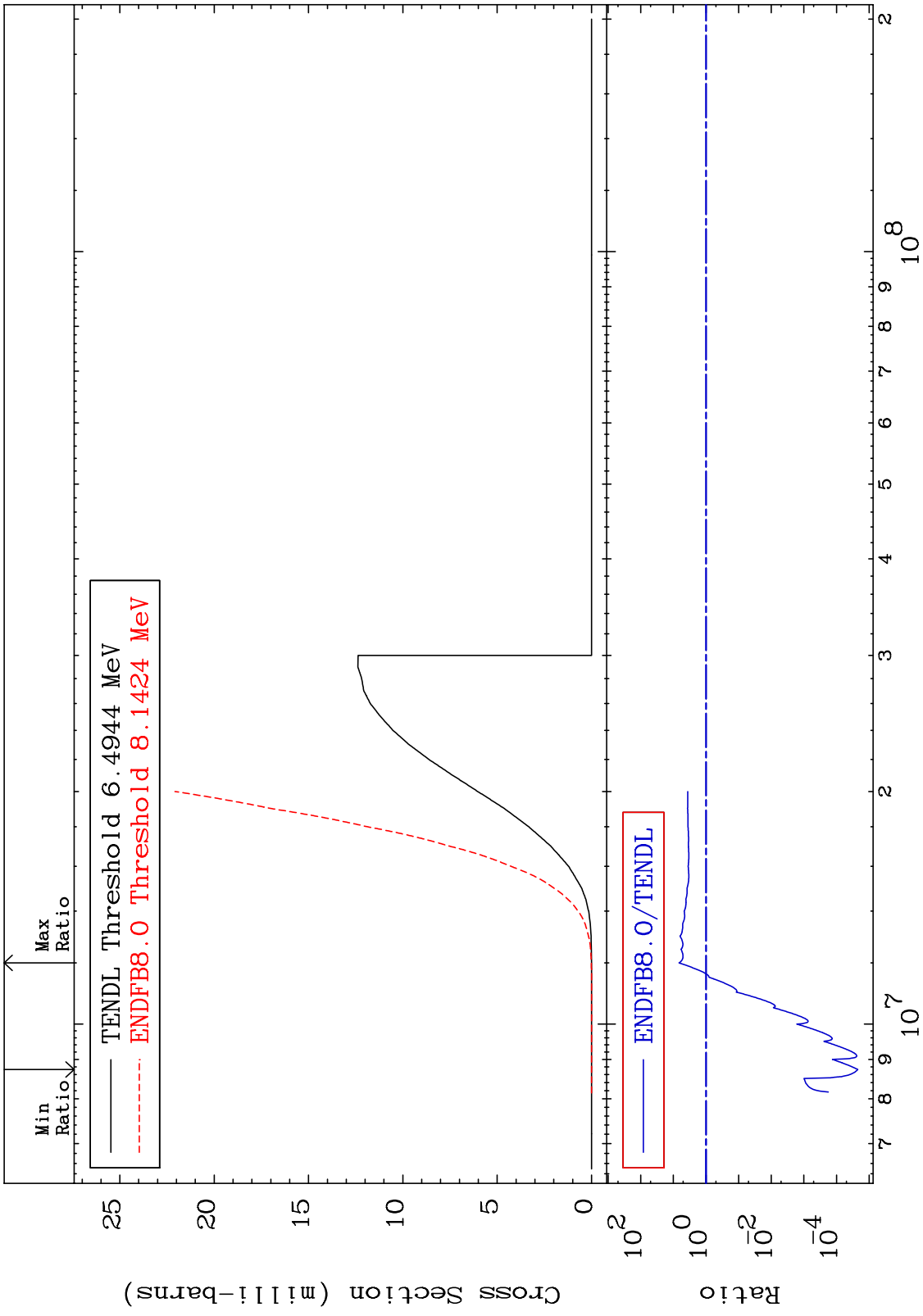


MAT 5646 56-Ba-137
-100.0 To -54.95%

(n,p)
 Cross Section

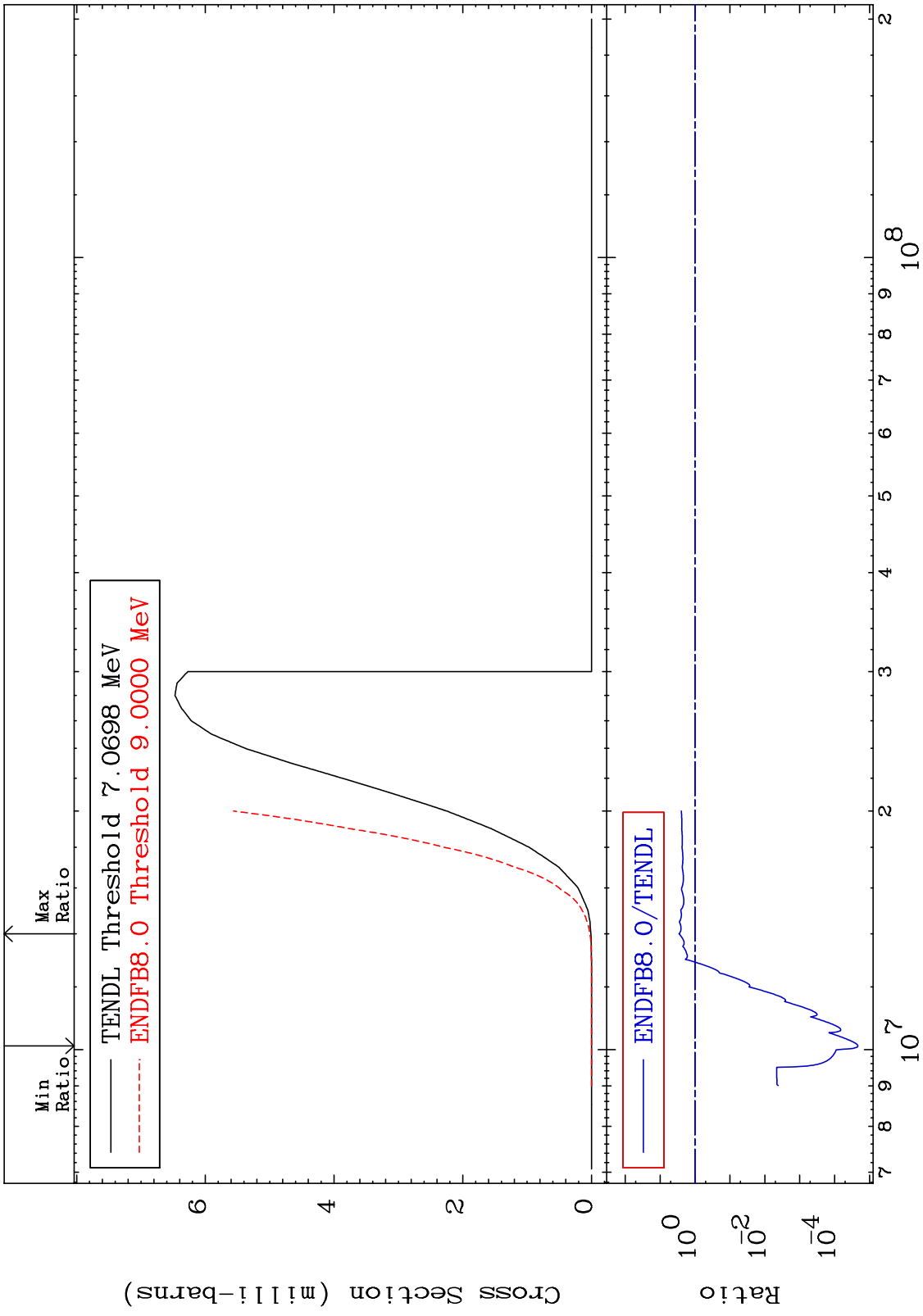


MAT 5646 (n,d) 56-Ba-137
 Cross Section -100.0 To 570.7 %



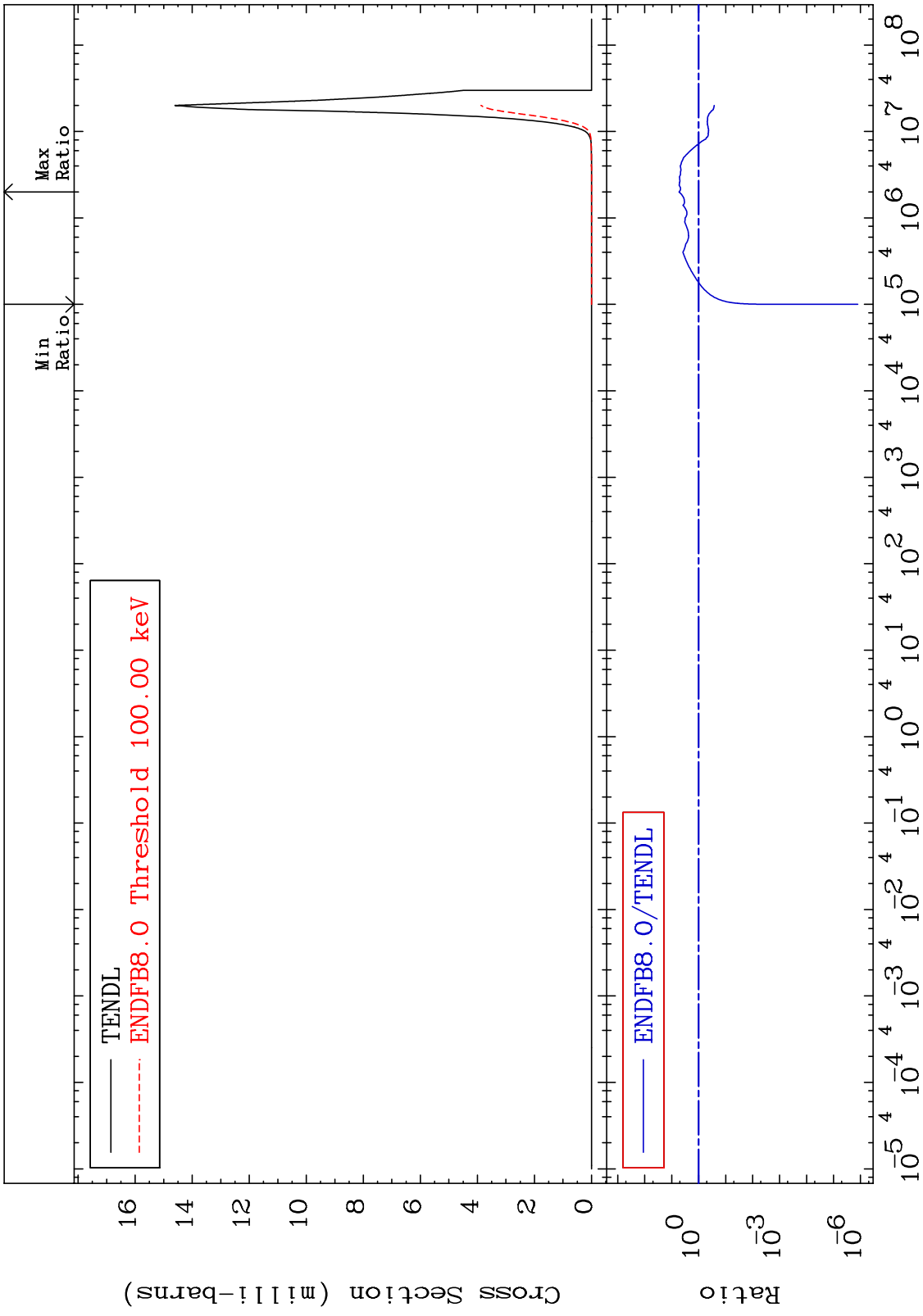
20 56-Ba-137 Incident Energy (eV)

MAT 5646 (n,t) 56-Ba-137
 Cross Section -100.0 To 187.4 %



21 56-Ba-137

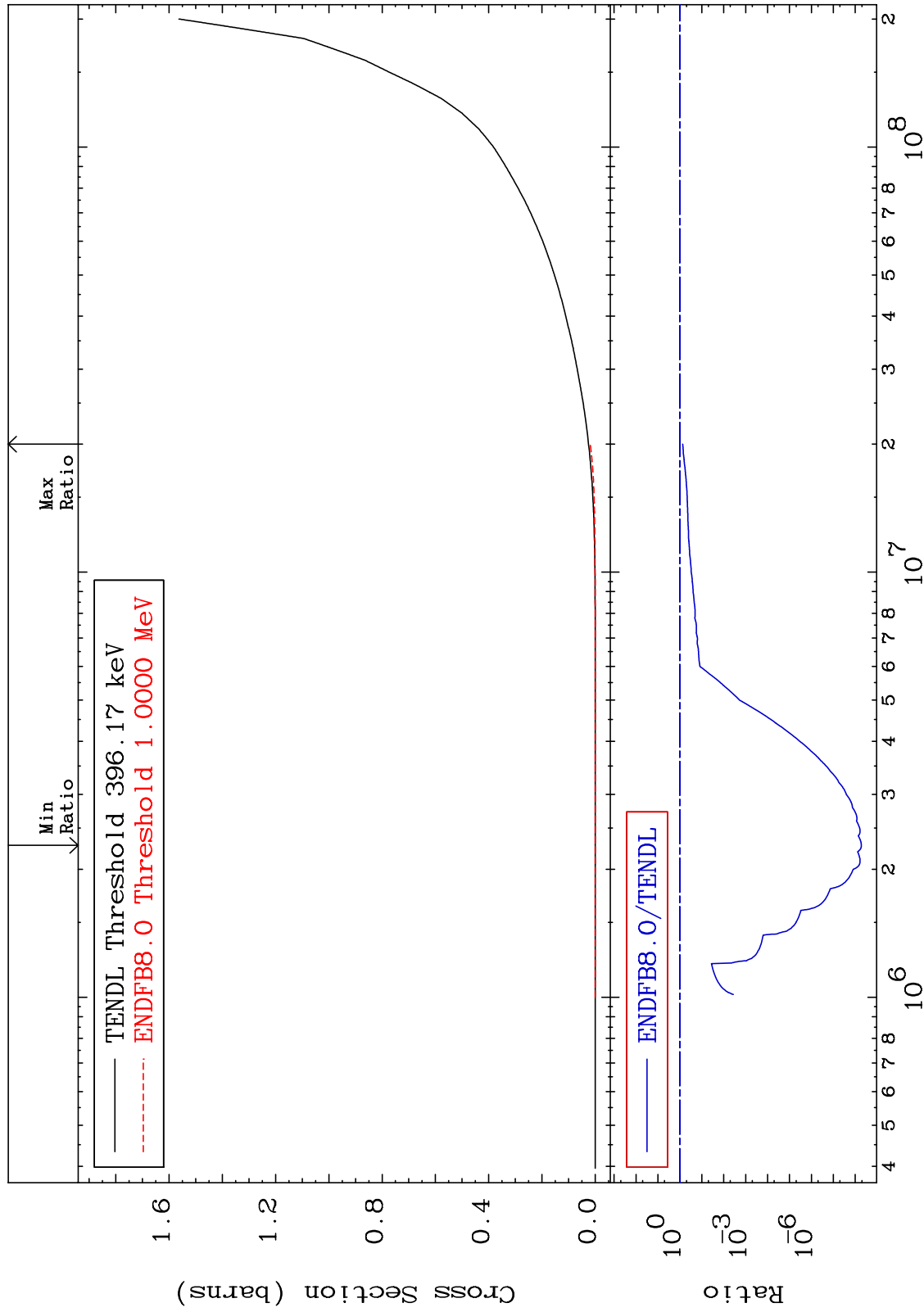
MAT 5646 (n, α) Cross Section 56-Ba-137 -100.0 To 435.3 %



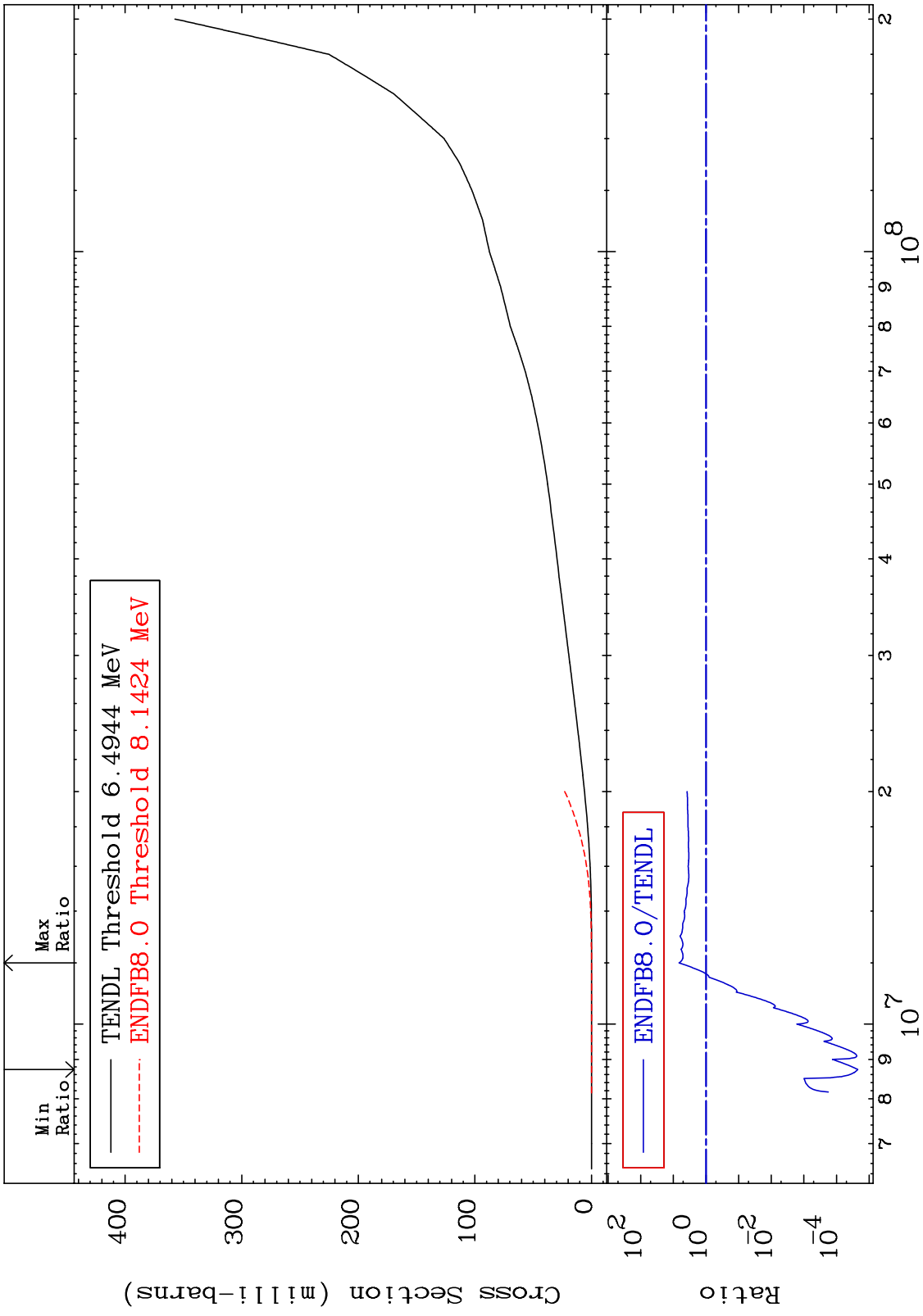
MAT 5646

Hydrogen Production
Cross Section

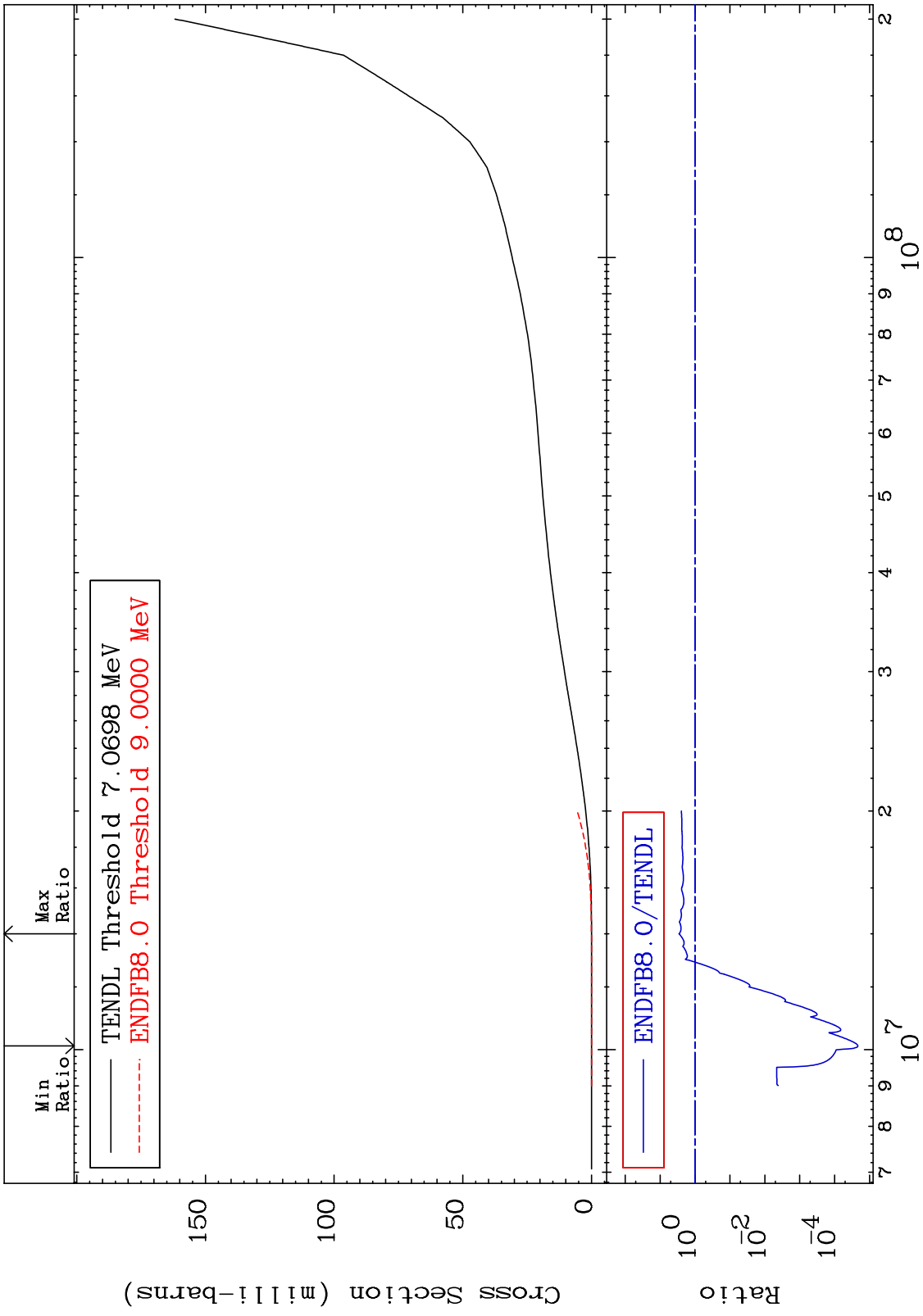
56-Ba-137
-100.0 To -25.52%



MAT 5646 Deuterium Production Cross Section 56-Ba-137 -100.0 To 570.7 %



MAT 5646 Tritium Production Cross Section 56-Ba-137 -100.0 To 187.4 %



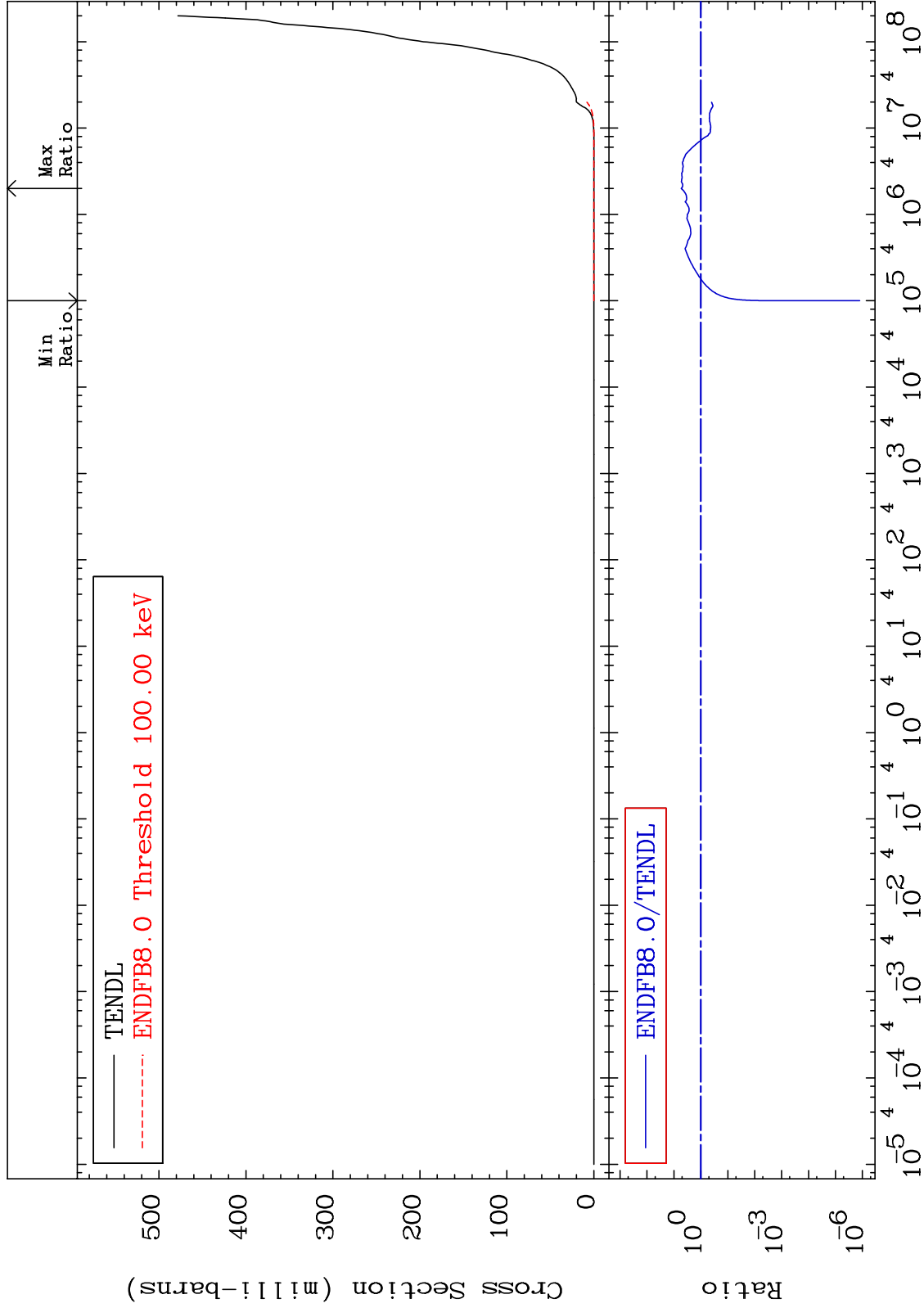
56-Ba-137

Incident Energy (eV)

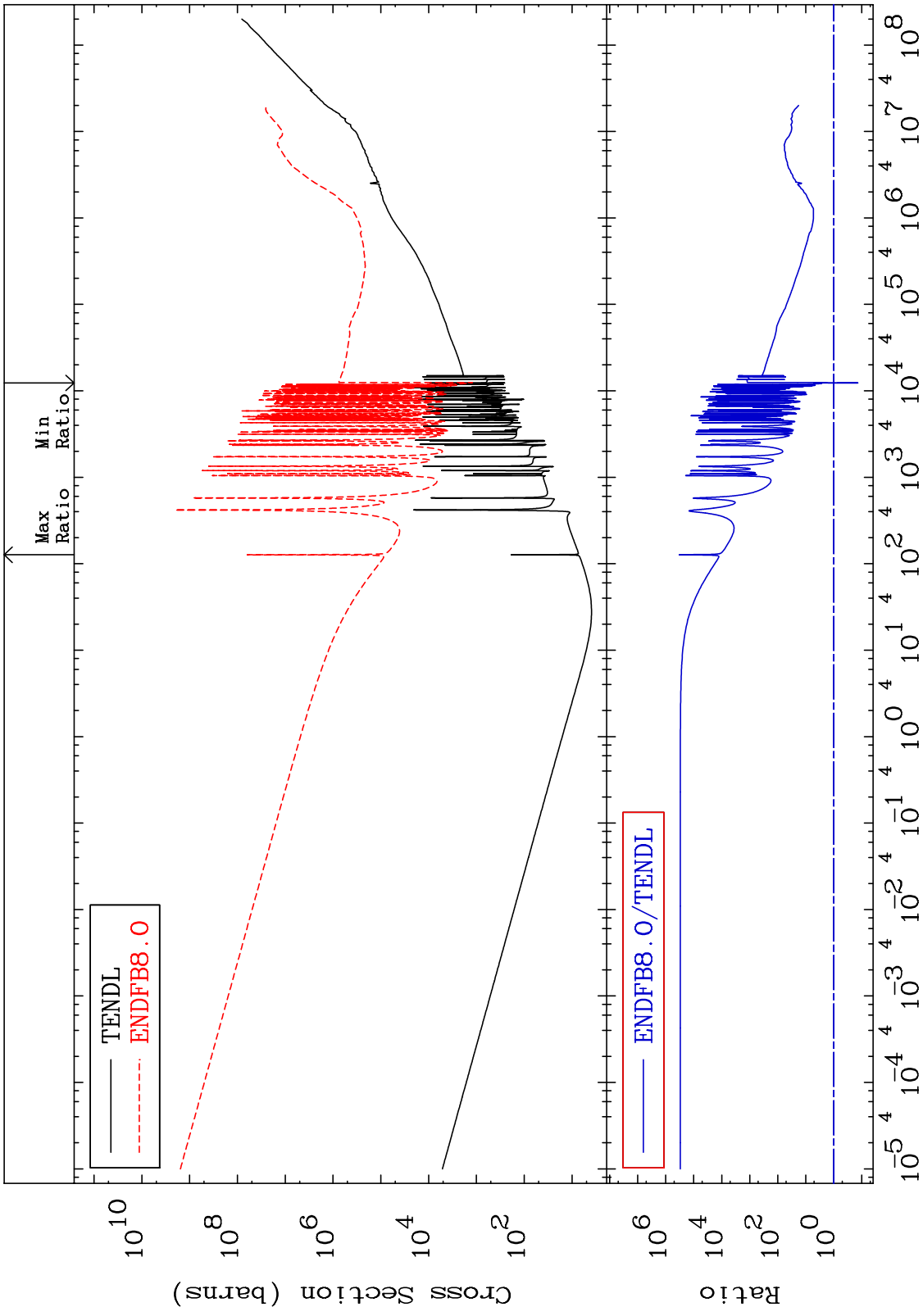
MAT 5646

He-4 Production
Cross Section

56-Ba-137
-100.0 To 435.3 %



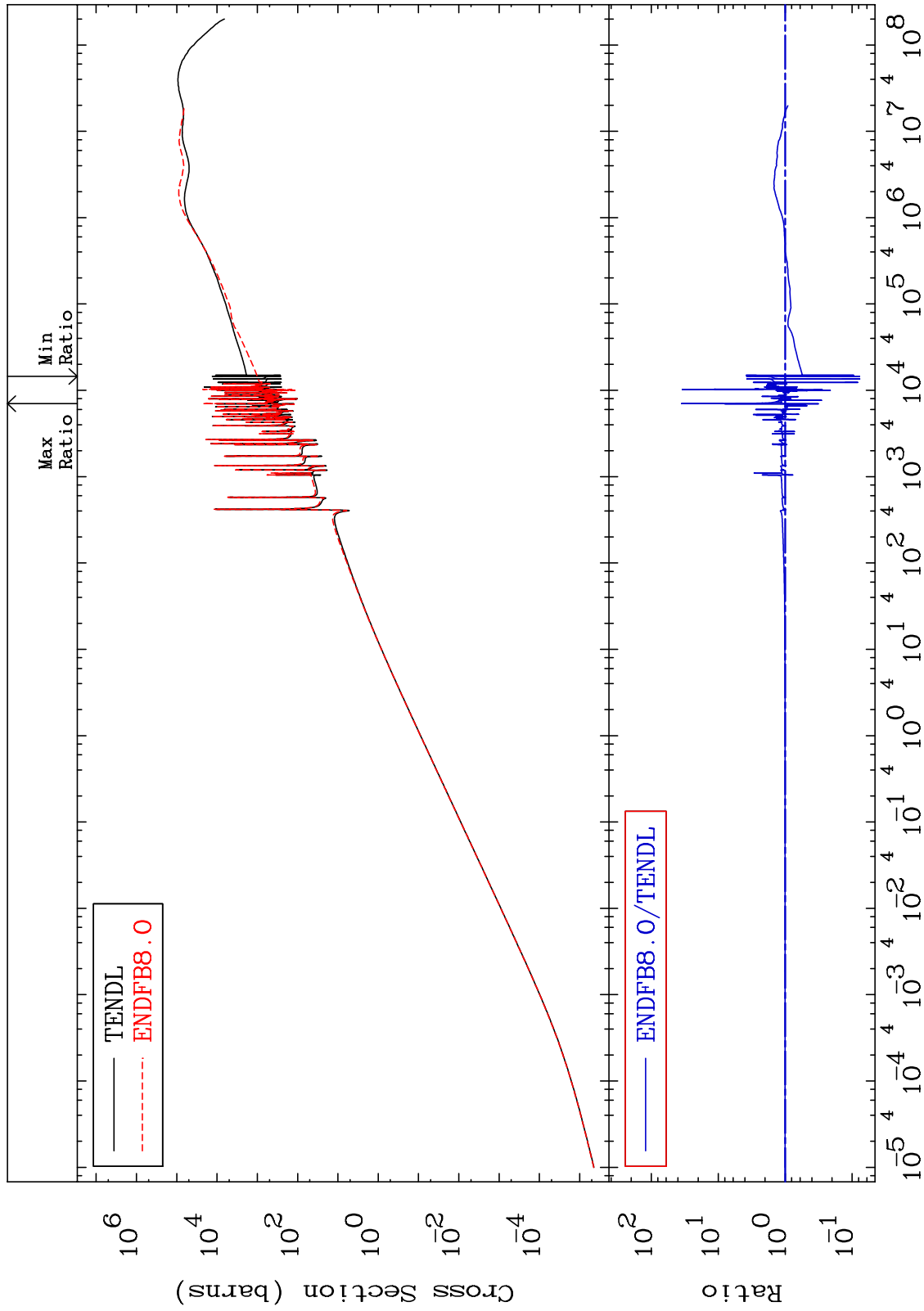
MAT 5646 Kerma total (eV-barns) 56-Ba-137
 Cross Section -86.21 To 9999. %



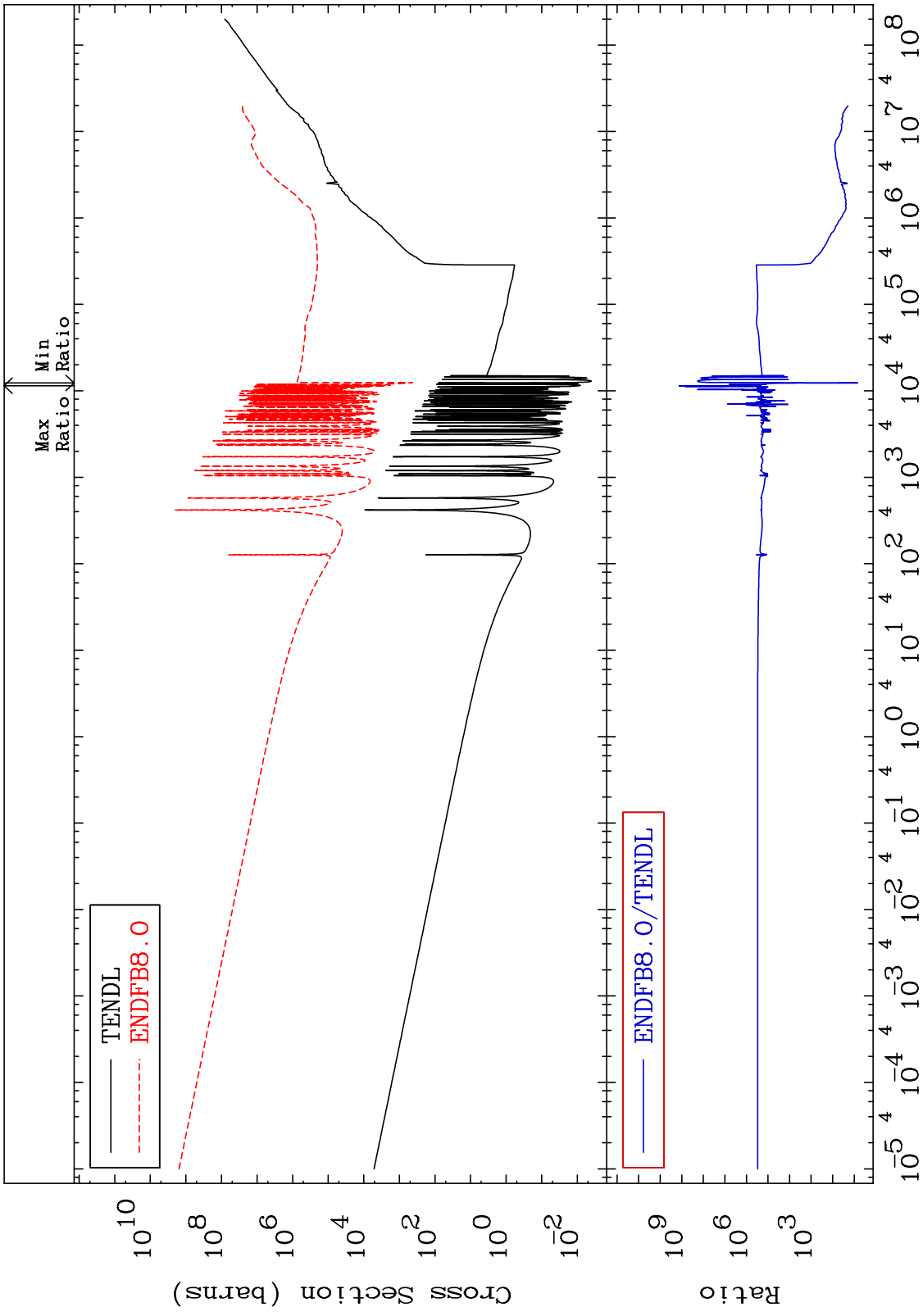
MAT 5646

Kerma elastic
Cross Section

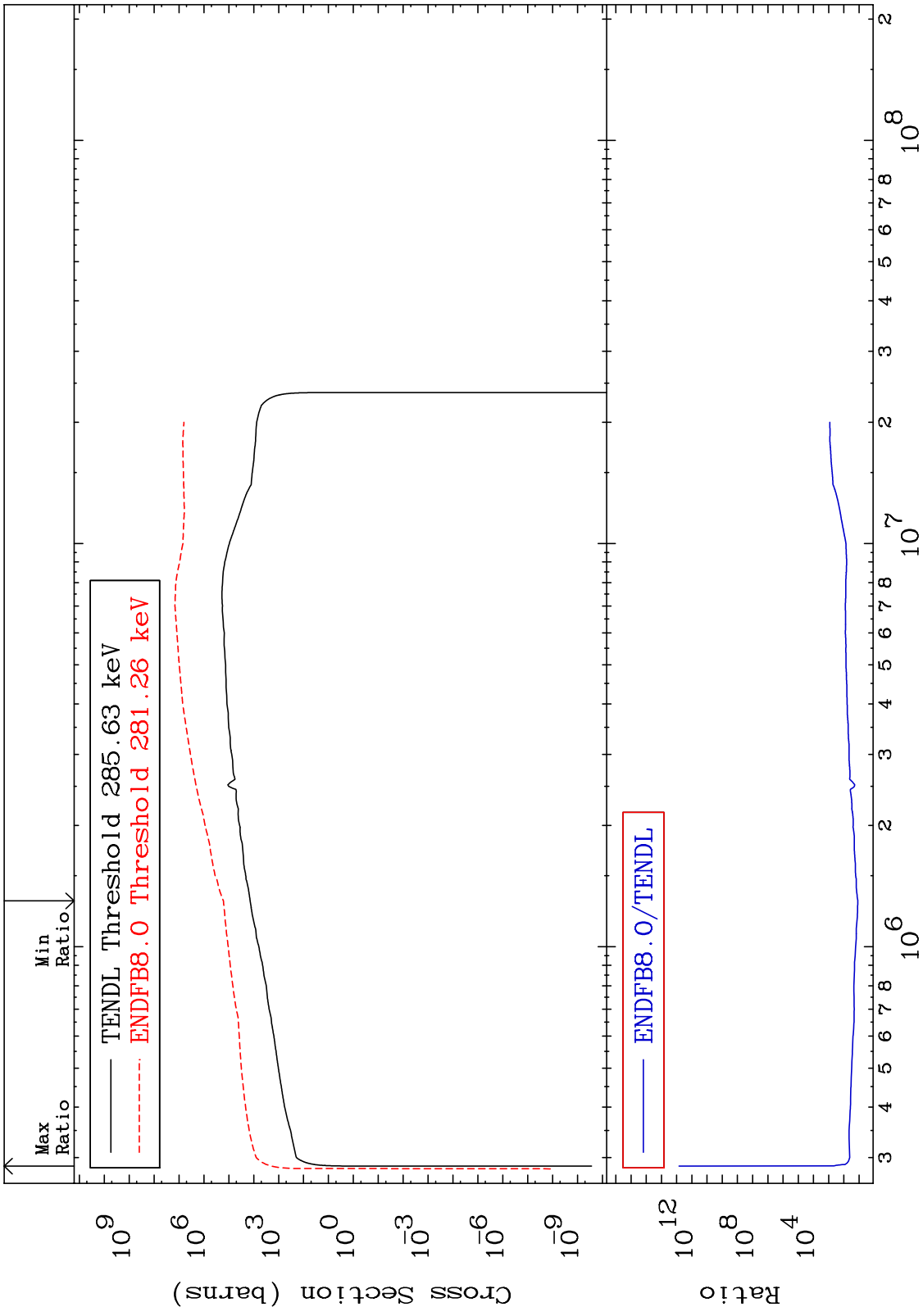
56-Ba-137
-92.32 To 3474. %



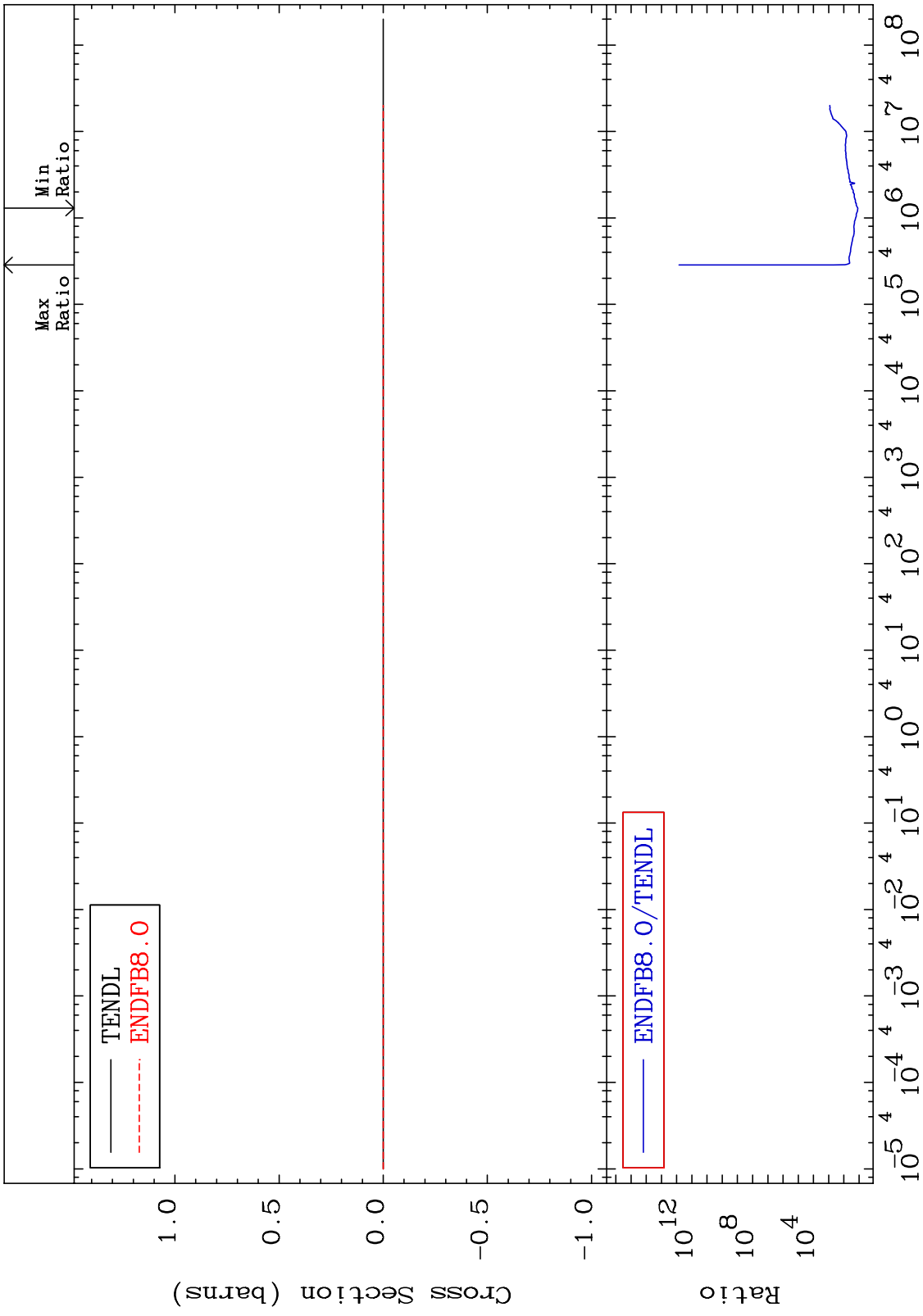
MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137 578.1 To 9999. %
 Cross Section



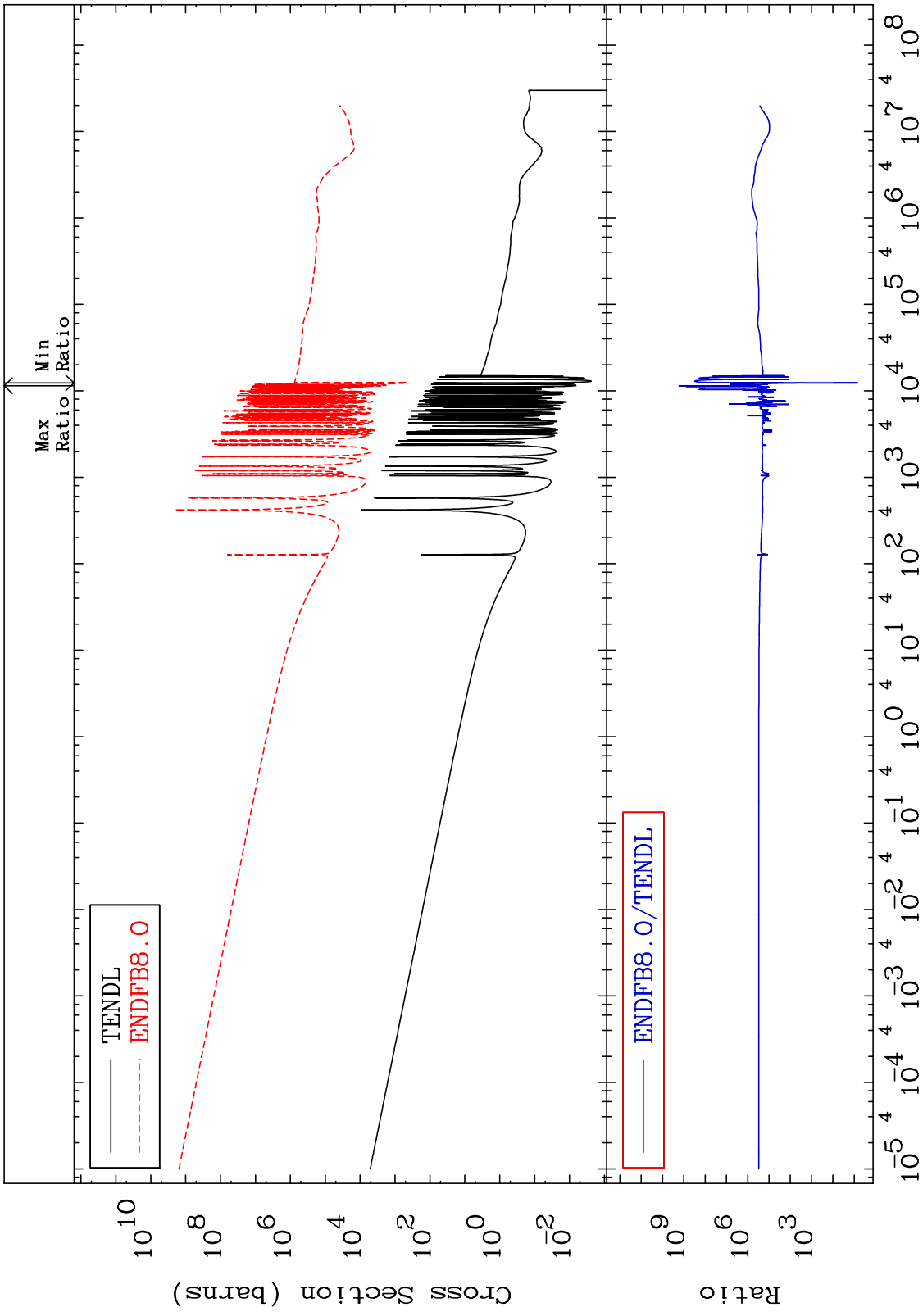
MAT 5646 Kerma inelastic (mt51-91) 56-Ba-137
 Cross Section 1097. To 9999. %



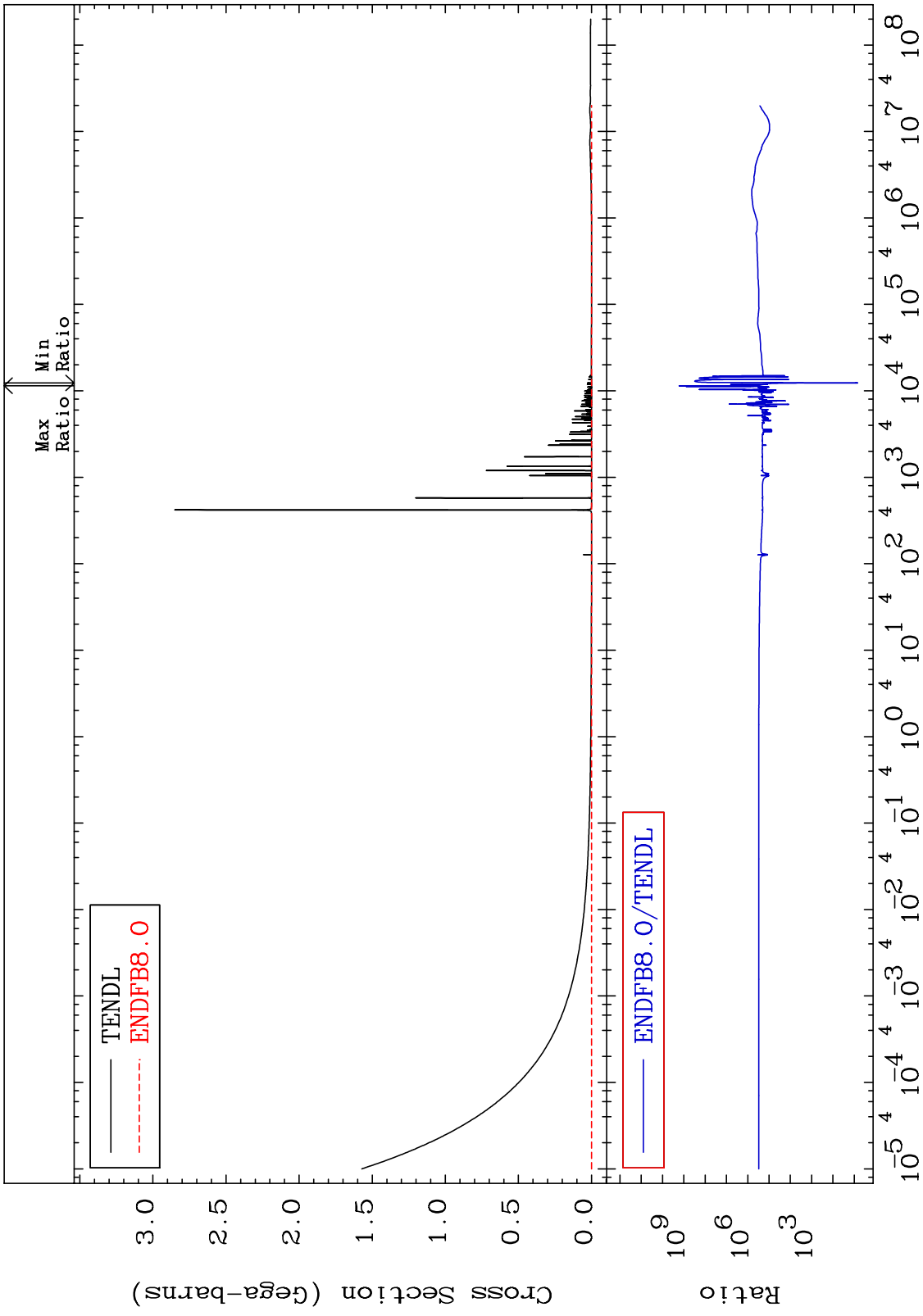
MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137
 Cross Section 1097. To 9999. %



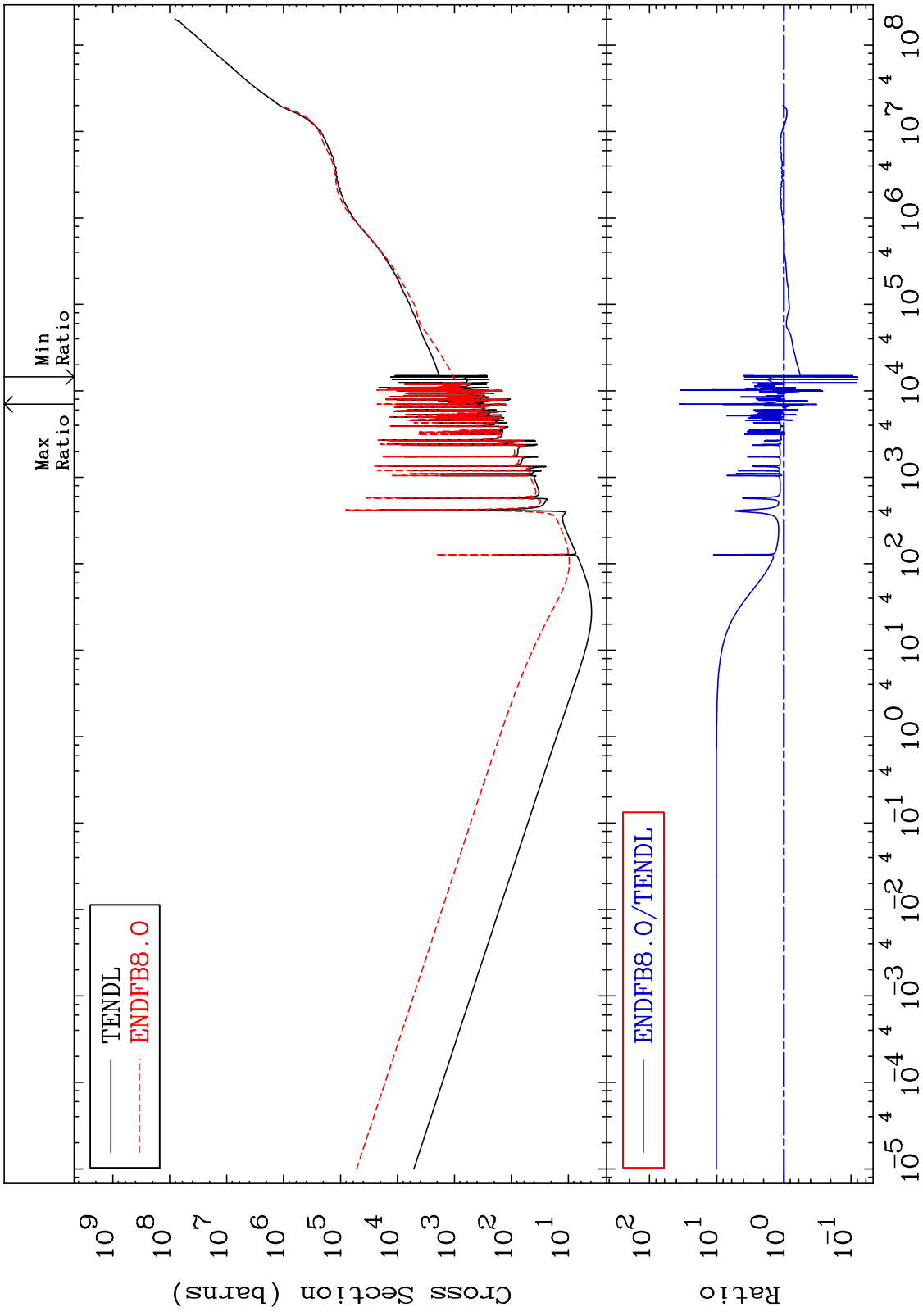
MAT 5646 Kerma capture (mt102) 56-Ba-137 578.1 To 9999. %
 Cross Section



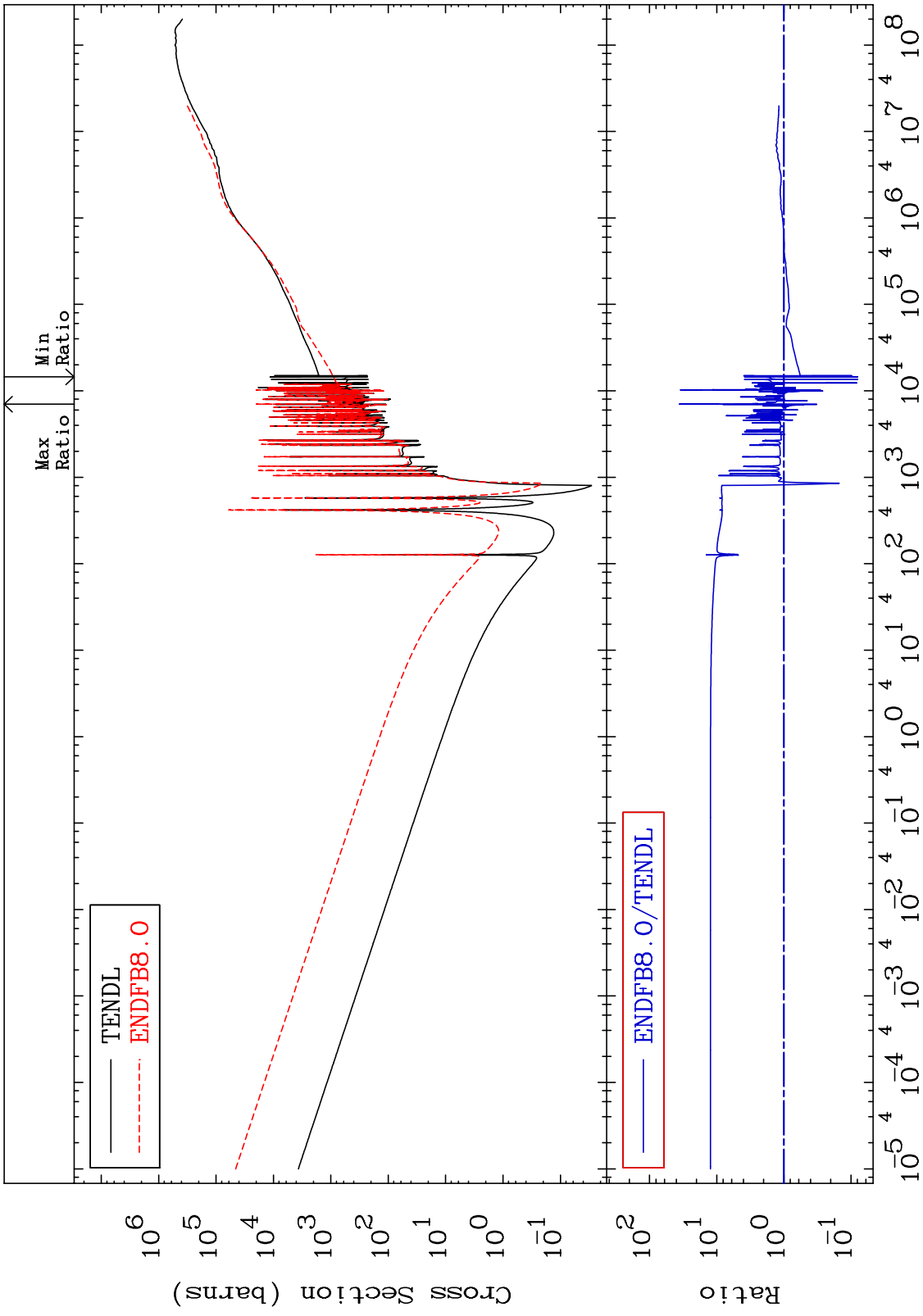
MAT 5646 Total photon (eV-barns) Cross Section 56-Ba-137 578.1 To 9999. %



MAT 5646 Total kinematic kerma (high limit) 56-Ba-137
 Cross Section -92.11 To 3538. %



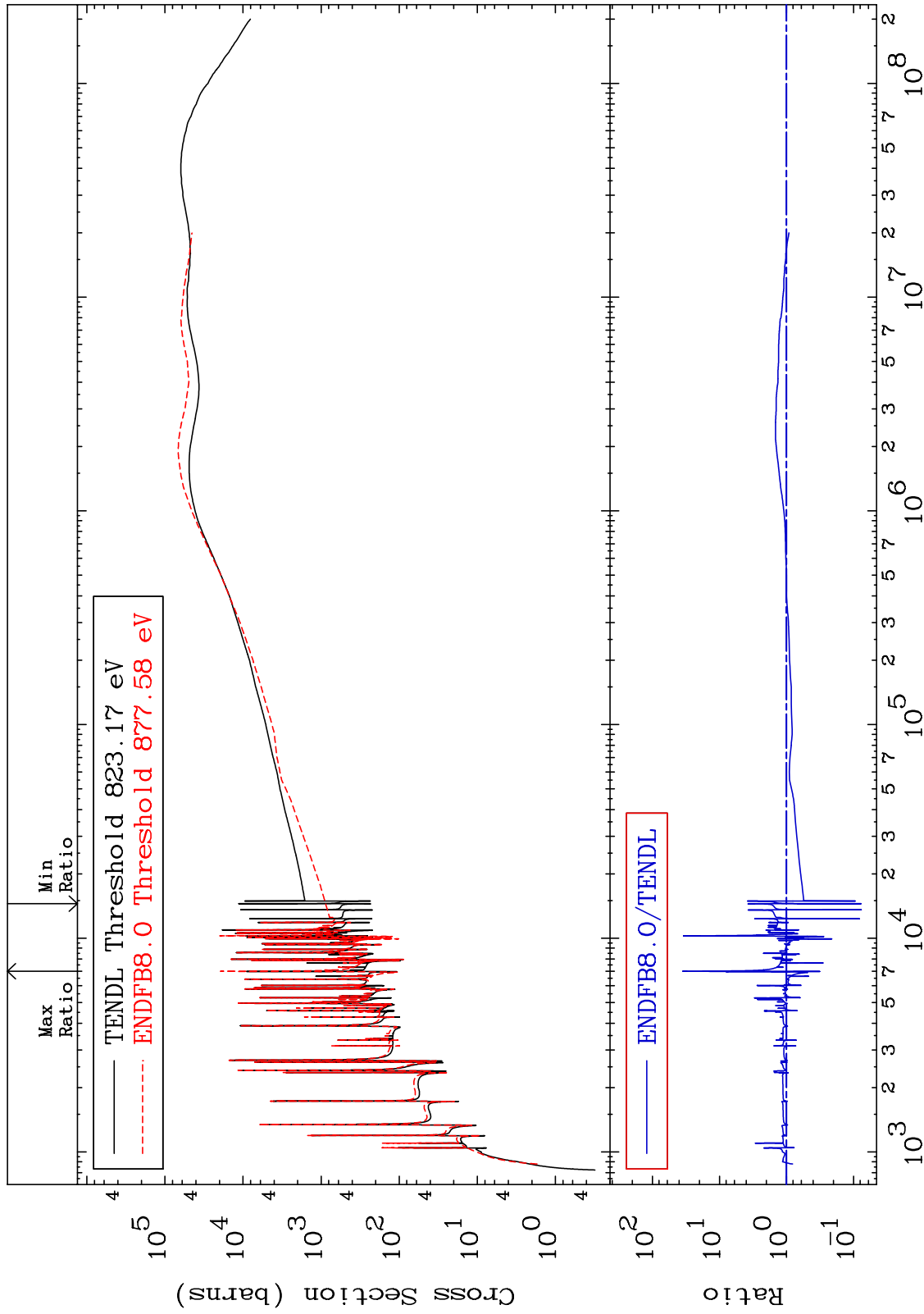
MAT 5646 Dpa total (eV-barns) 56-Ba-137
 Cross Section -92.10 To 3537. %



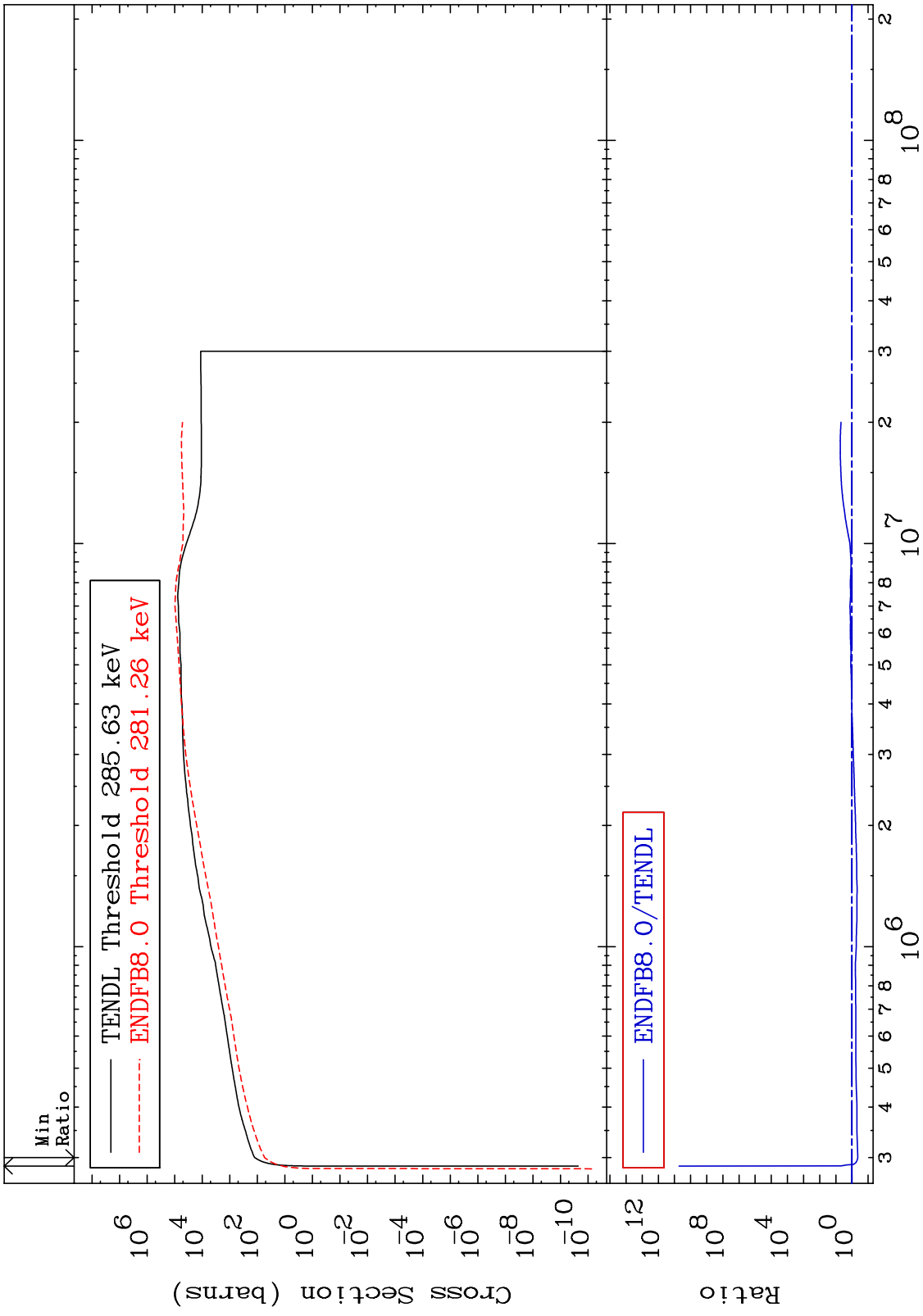
MAT 5646

Dpa elastic (mt2)
Cross Section

56-Ba-137
-92.32 To 3471. %



MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137
 Cross Section -56.79 To 9999. %



MAT 5646

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-137
-99.96 To 9999. %

