

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

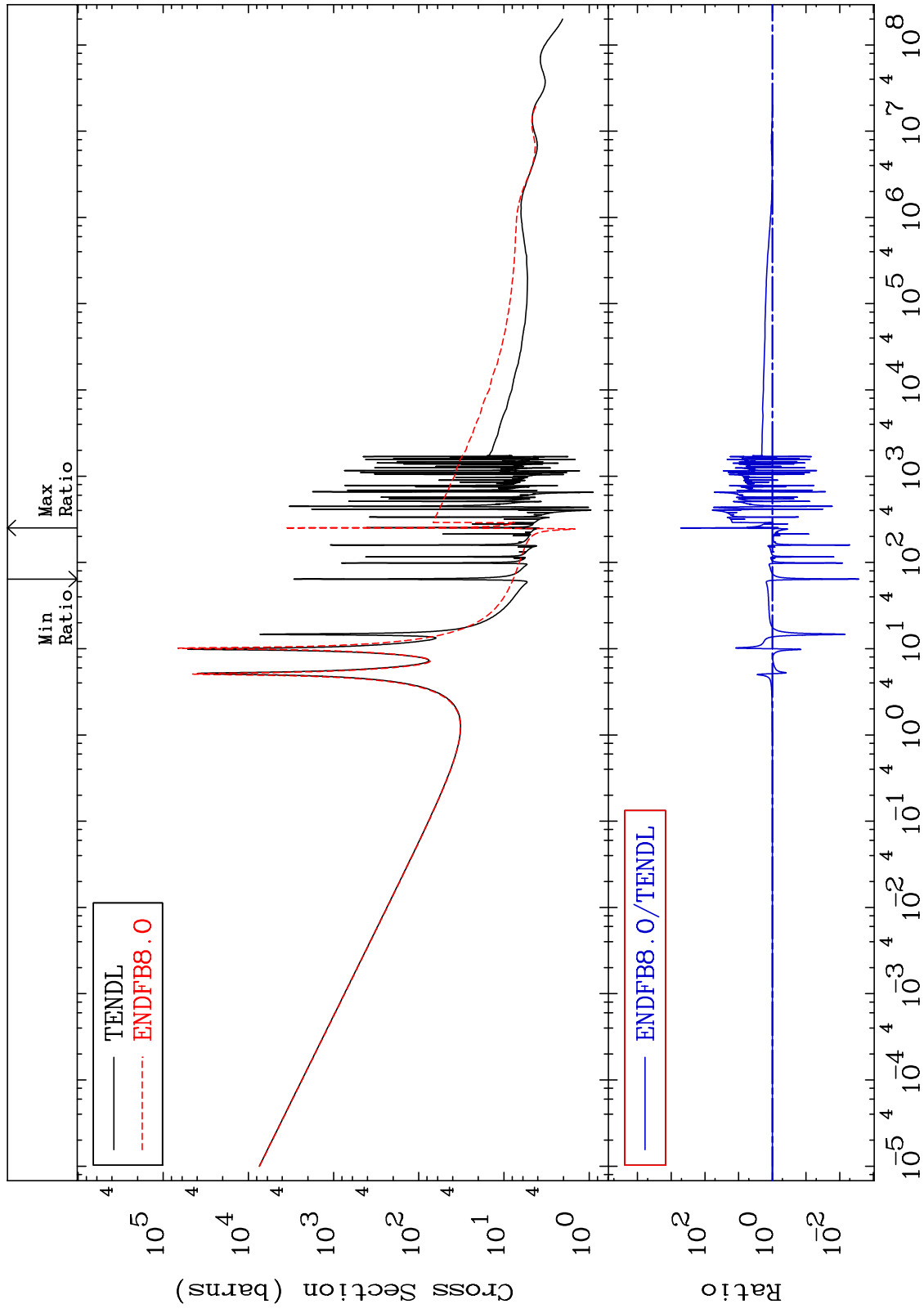
Press Mouse Button to Start

MAT 5425

Total
Cross Section

54-Xe-124

-99.73 To 9999. %



Incident Energy (eV)

54-Xe-124

1

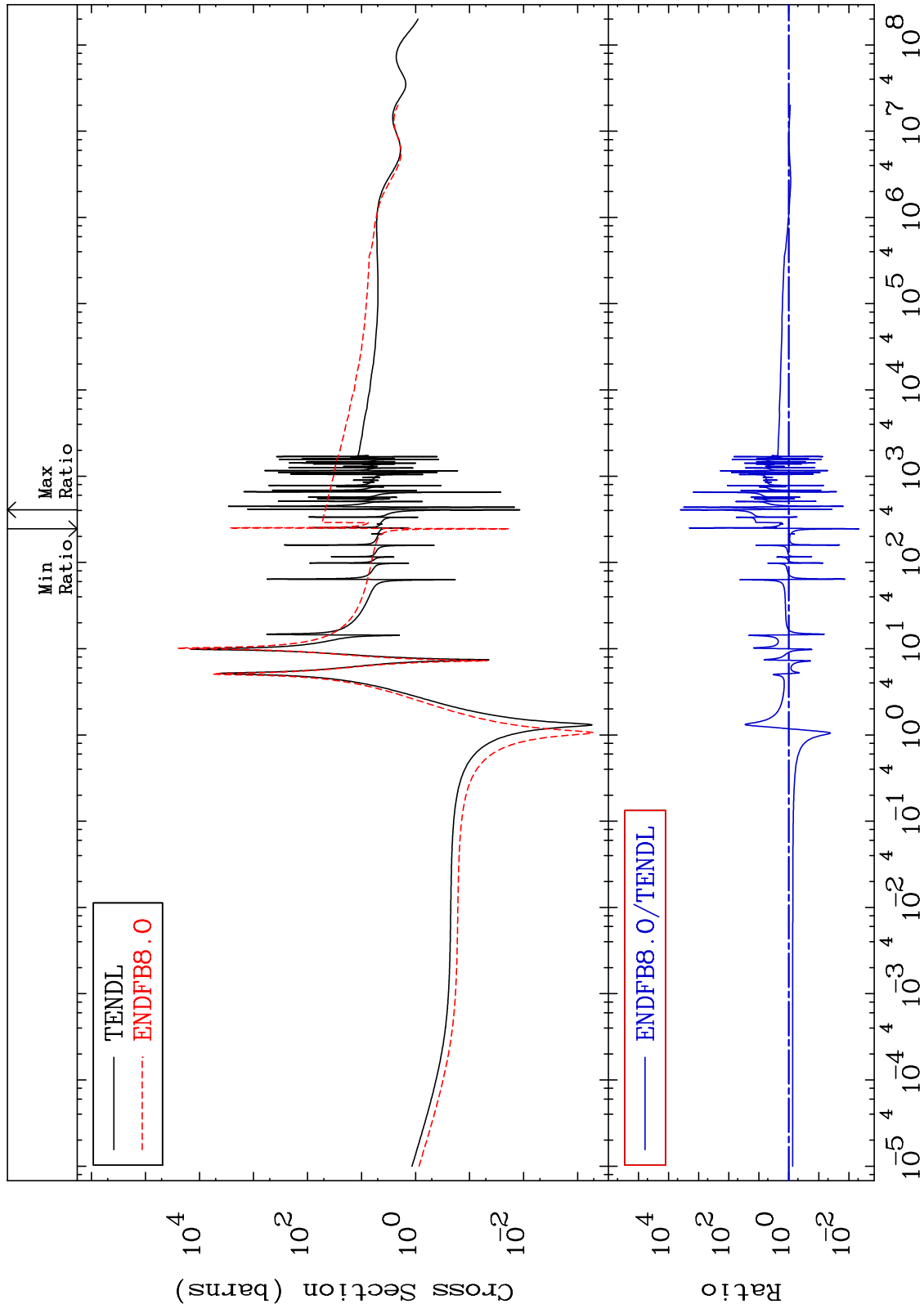
MAT 5425

Elastic

54-Xe-124

Cross Section

-99.54 To 9999. %

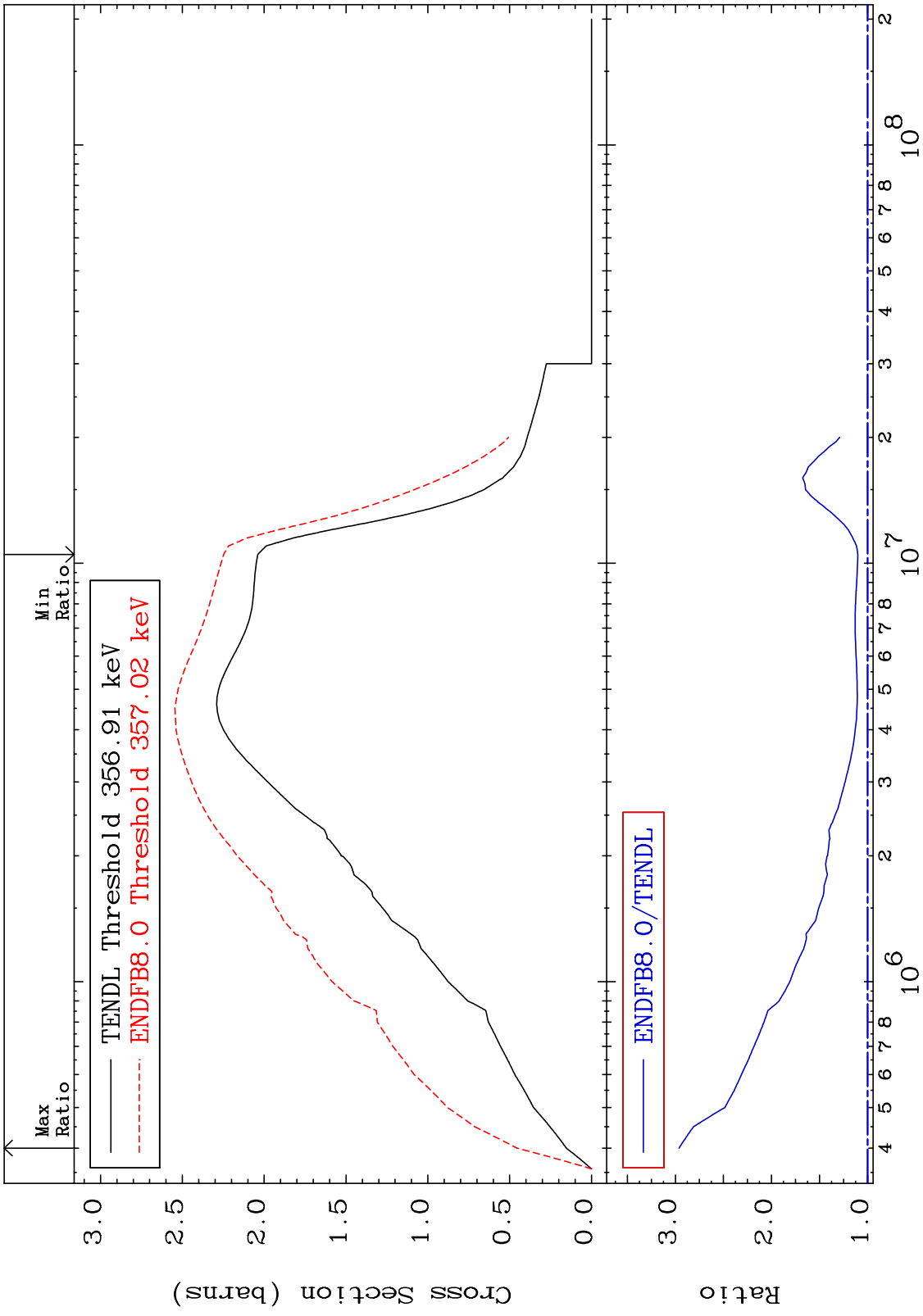


2

Incident Energy (eV)

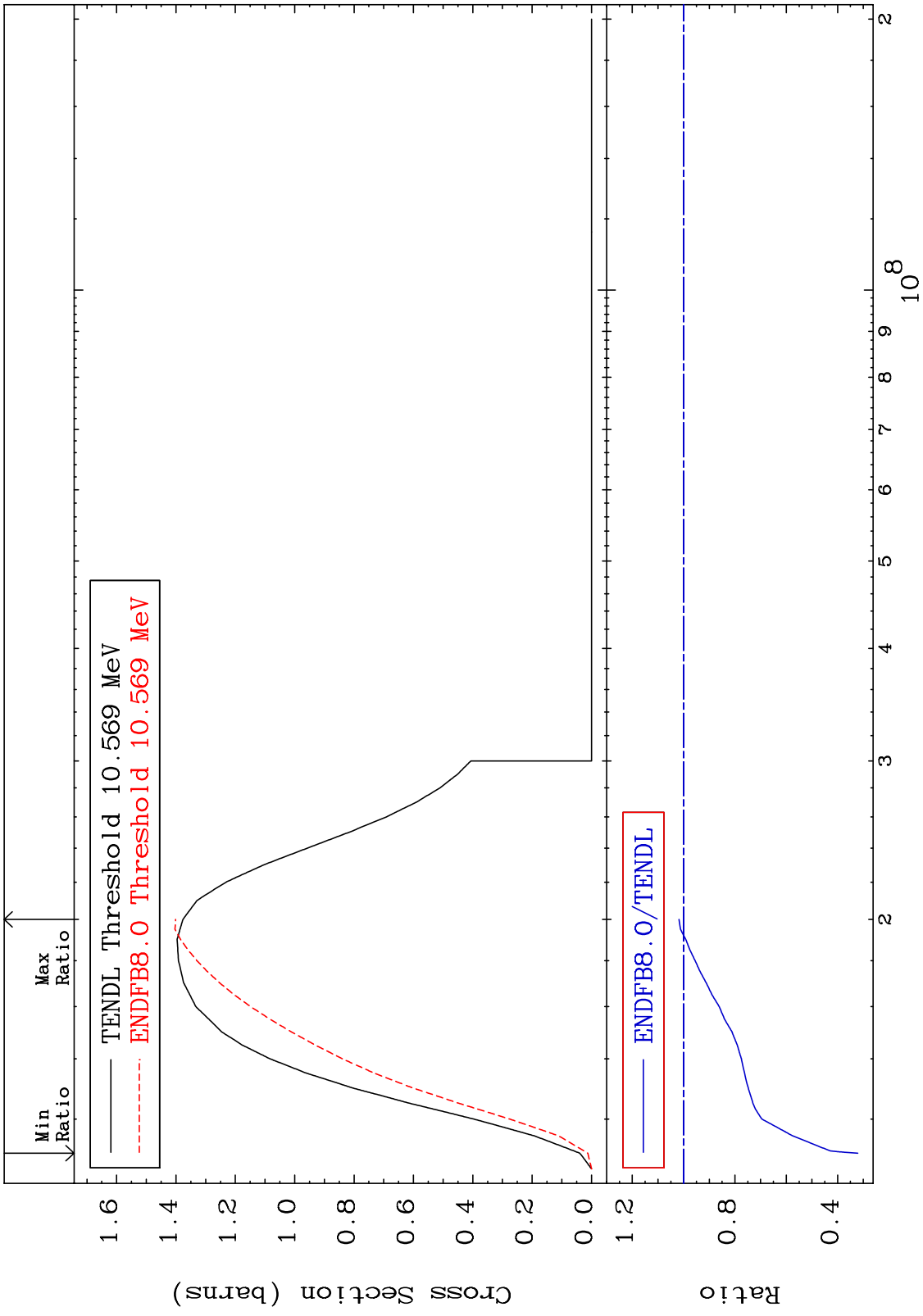
54-Xe-124

MAT 5425 Inelastic Cross Section 54-Xe-124 10.20 To 196.2 %

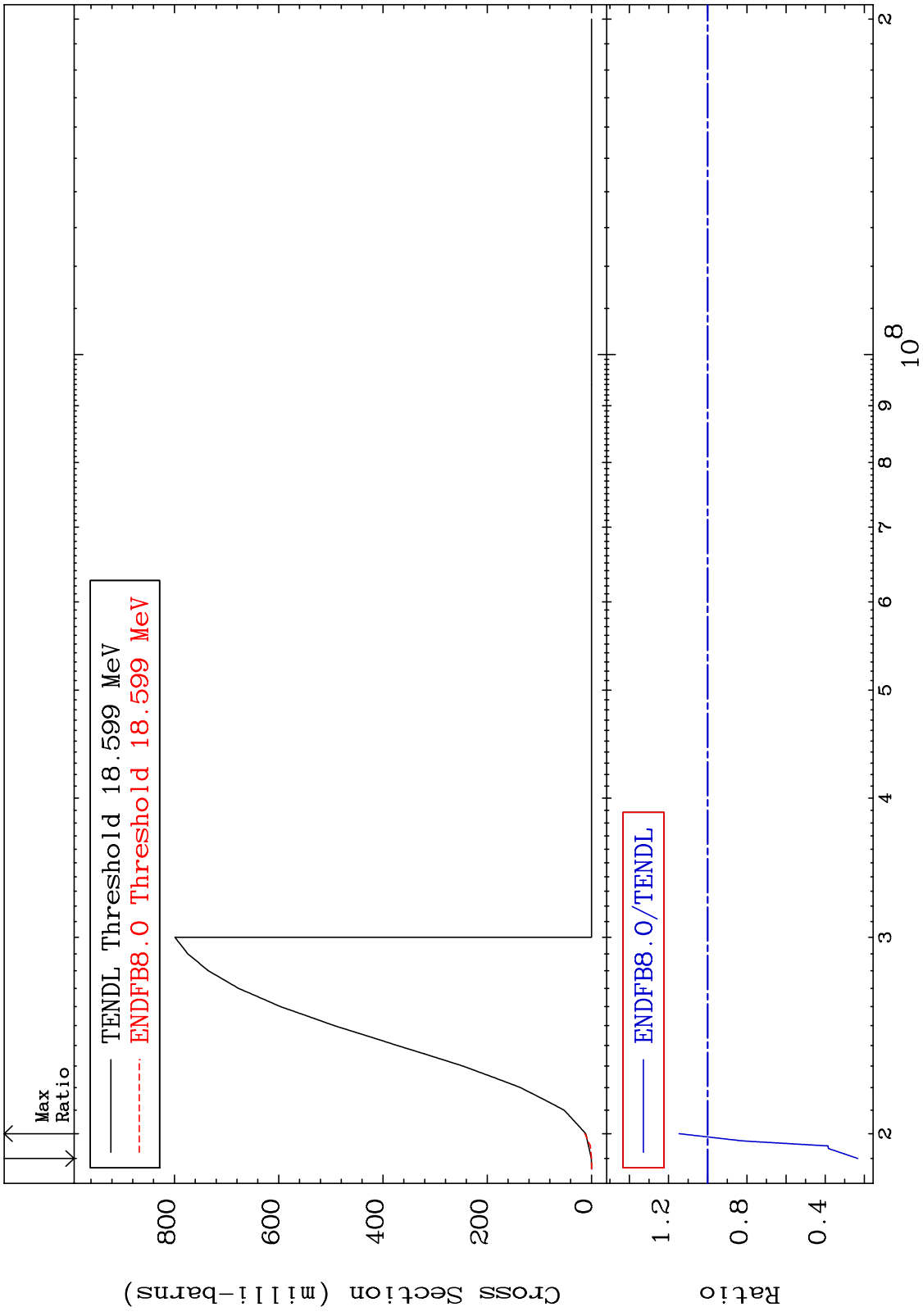


3 54-Xe-124

MAT 5425 (n,2n) Cross Section 54-Xe-124 -67.89 To 1.784 %

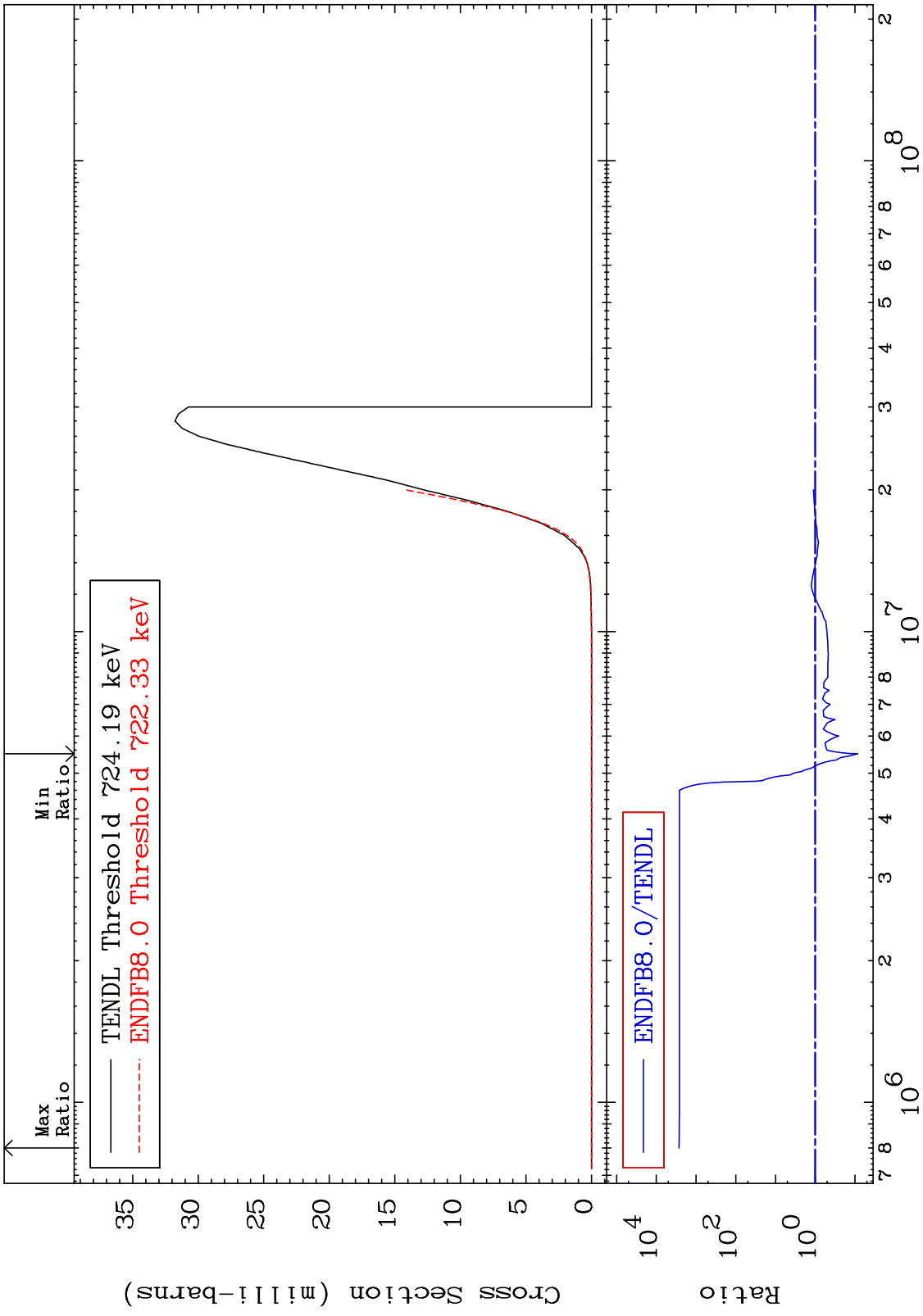


MAT 5425 (n,3n) Cross Section 54-Xe-124 -76.70 To 14.65 %

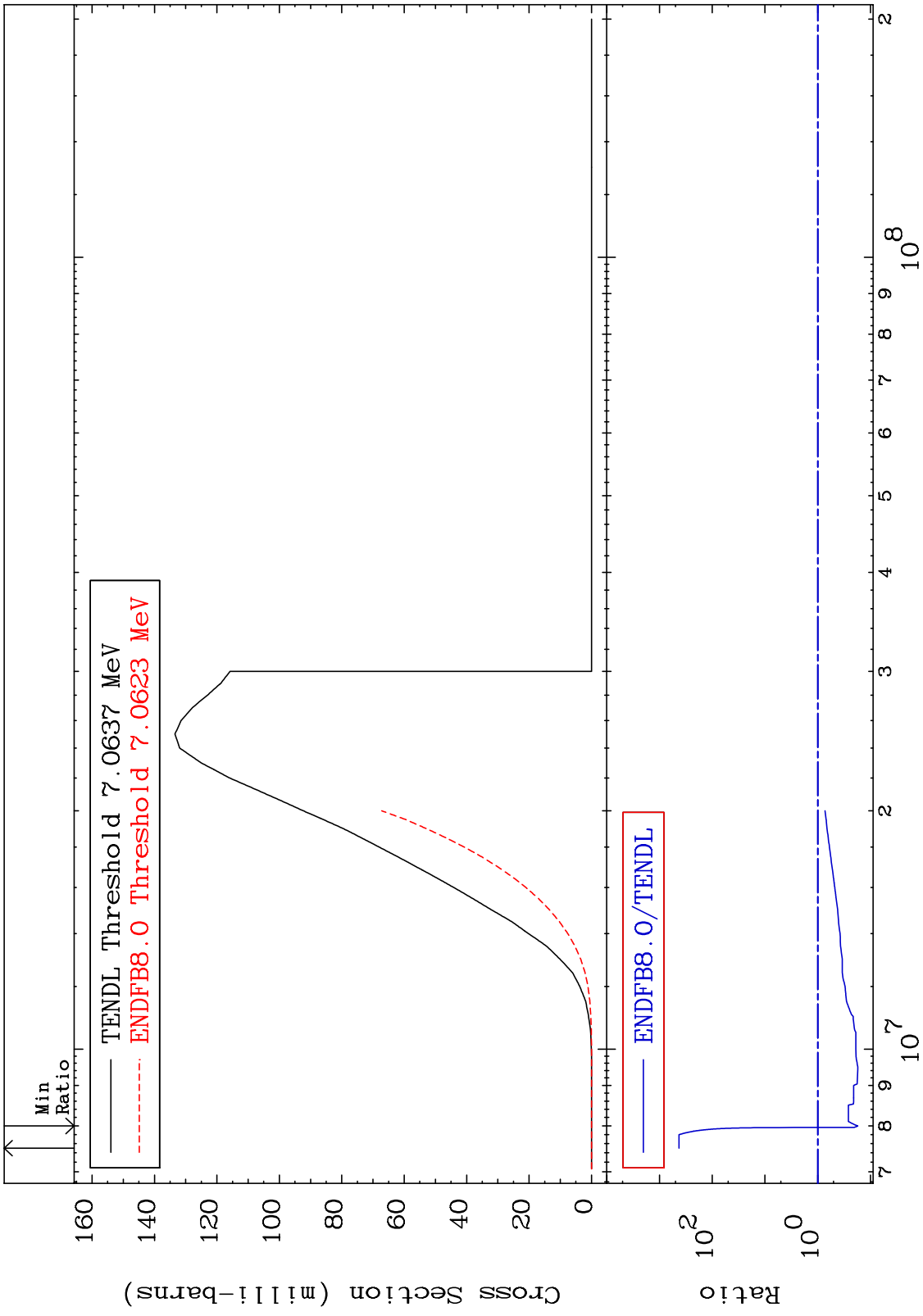


5 54-Xe-124

MAT 5425 $(n, n') \alpha$ 54-Xe-124
 Cross Section -91.55 To 9999. %

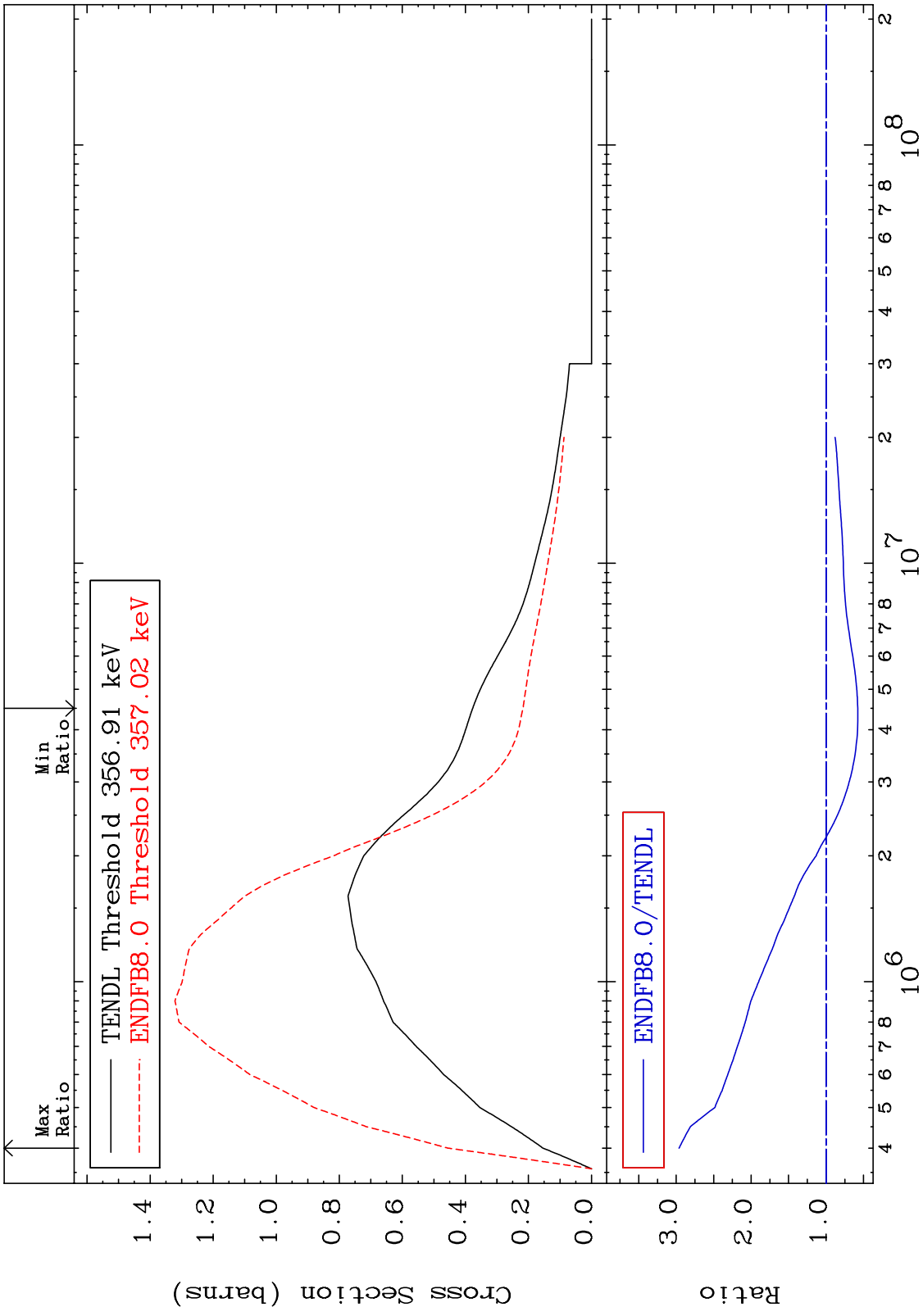


MAT 5425 (n,n') p 54-Xe-124
 Cross Section -82.64 To 9999. %

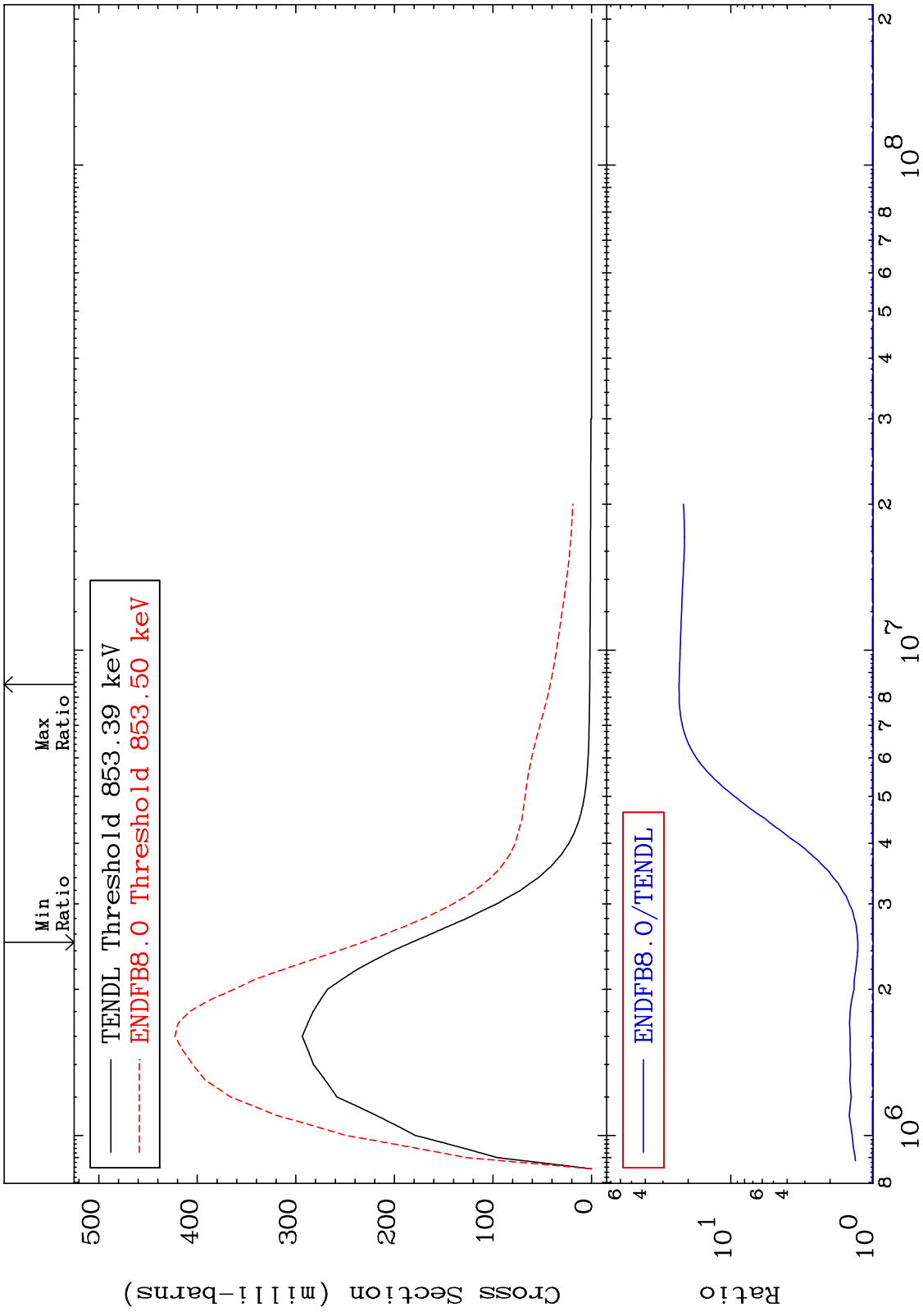


7 Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 51 (n,n') Level Cross Section 54-Xe-124 -42.38 To 196.2 %

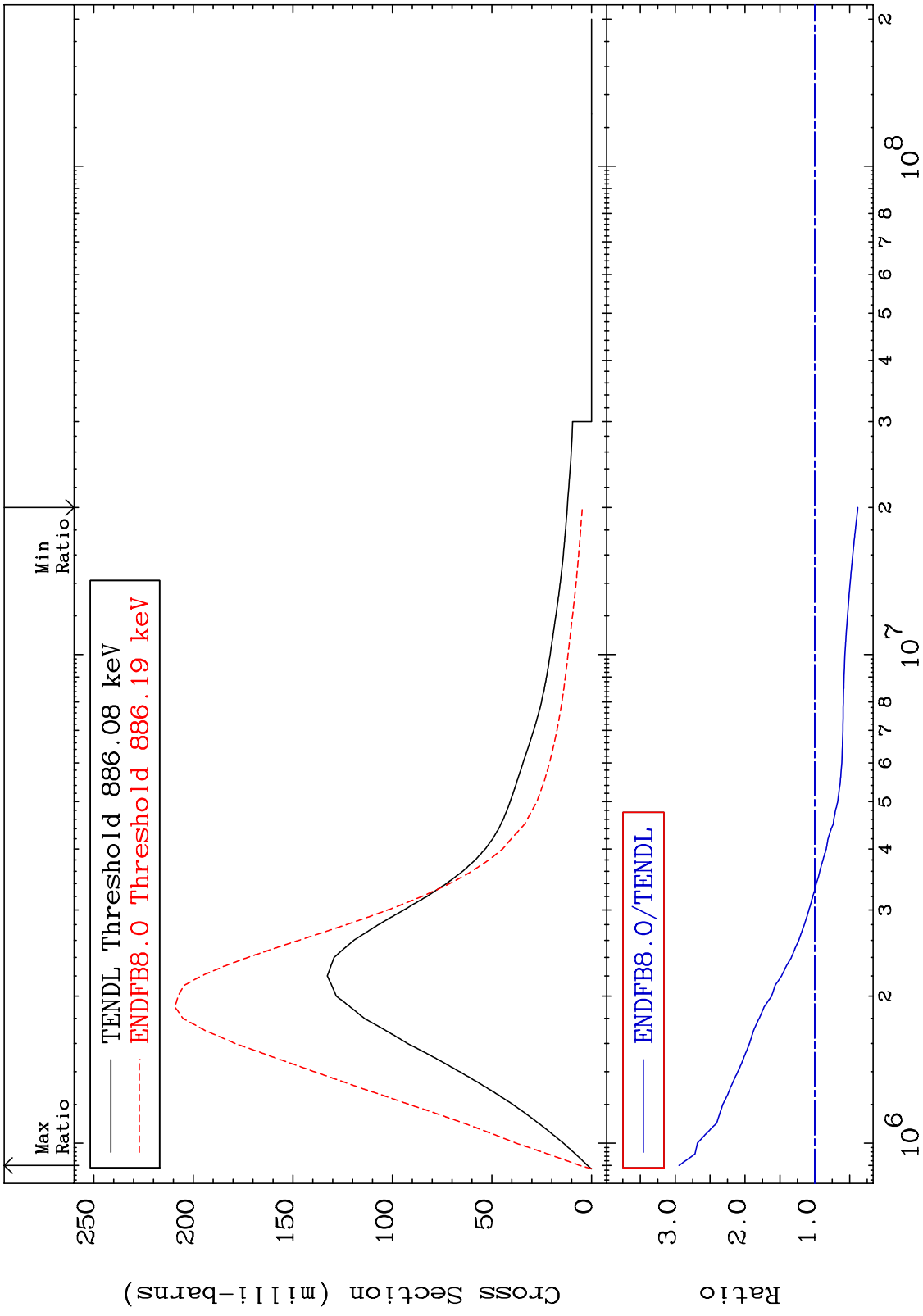


MAT 5425 MT= 52 (n,n') Level Cross Section 54-Xe-124 27.25 To 2215. %



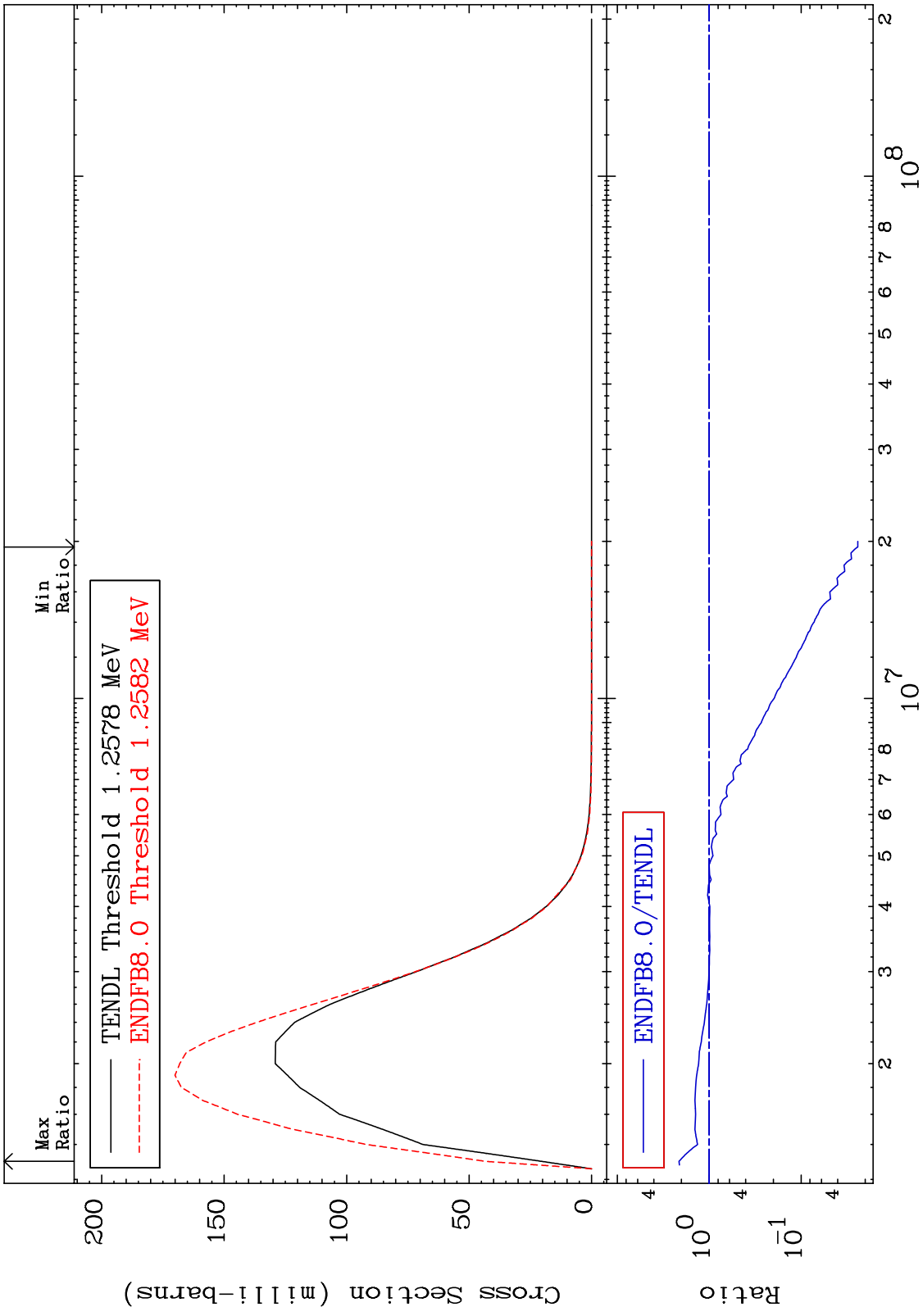
Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 53 (n,n') Level Cross Section 54-Xe-124 -61.62 To 194.5 %

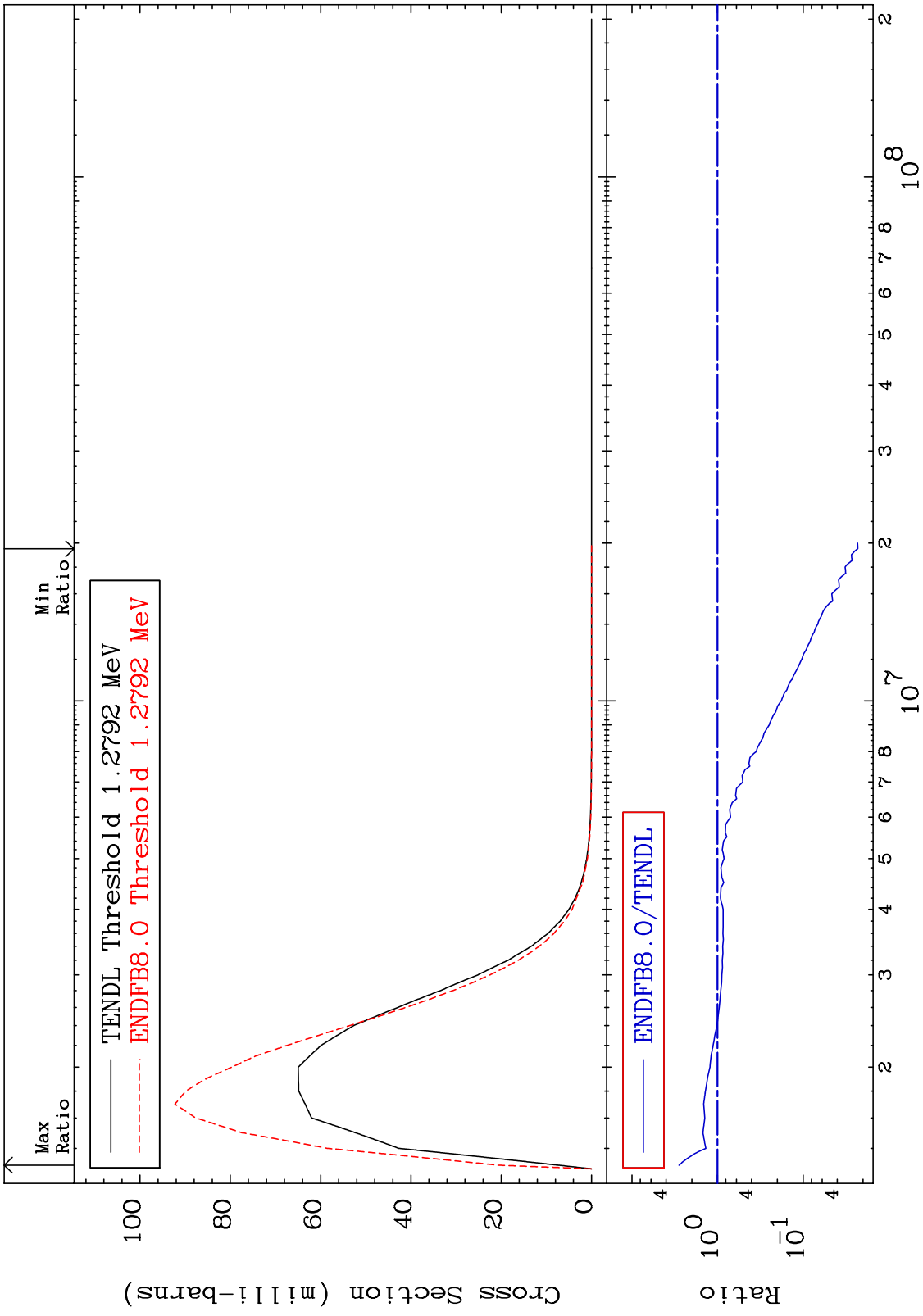


Incident Energy (eV) 54-Xe-124

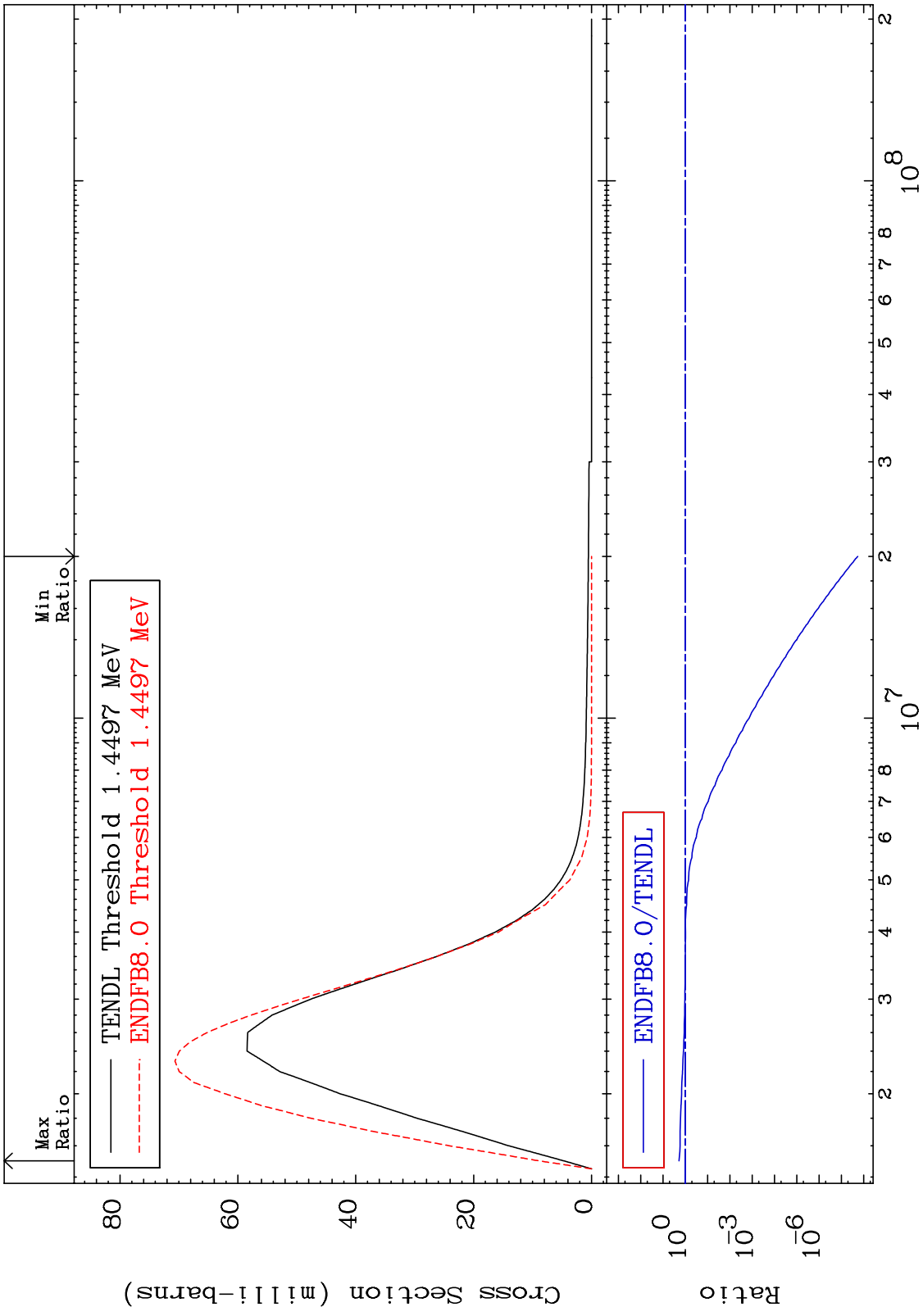
MAT 5425 MT= 54 (n,n') Level Cross Section 54-Xe-124 -97.59 To 112.6 %



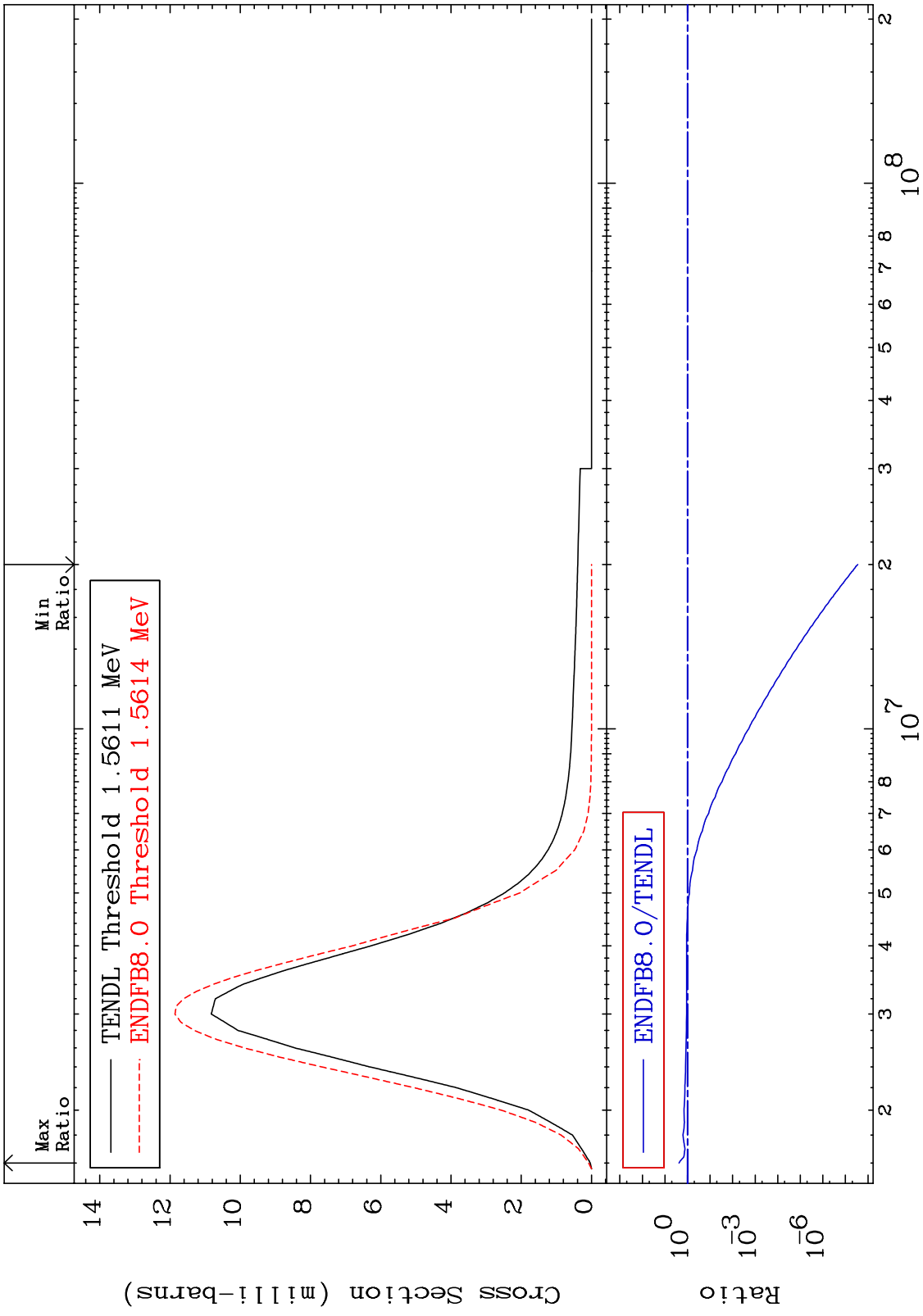
MAT 5425 MT= 55 (n,n') Level Cross Section 54-Xe-124 -97.70 To 181.8 %



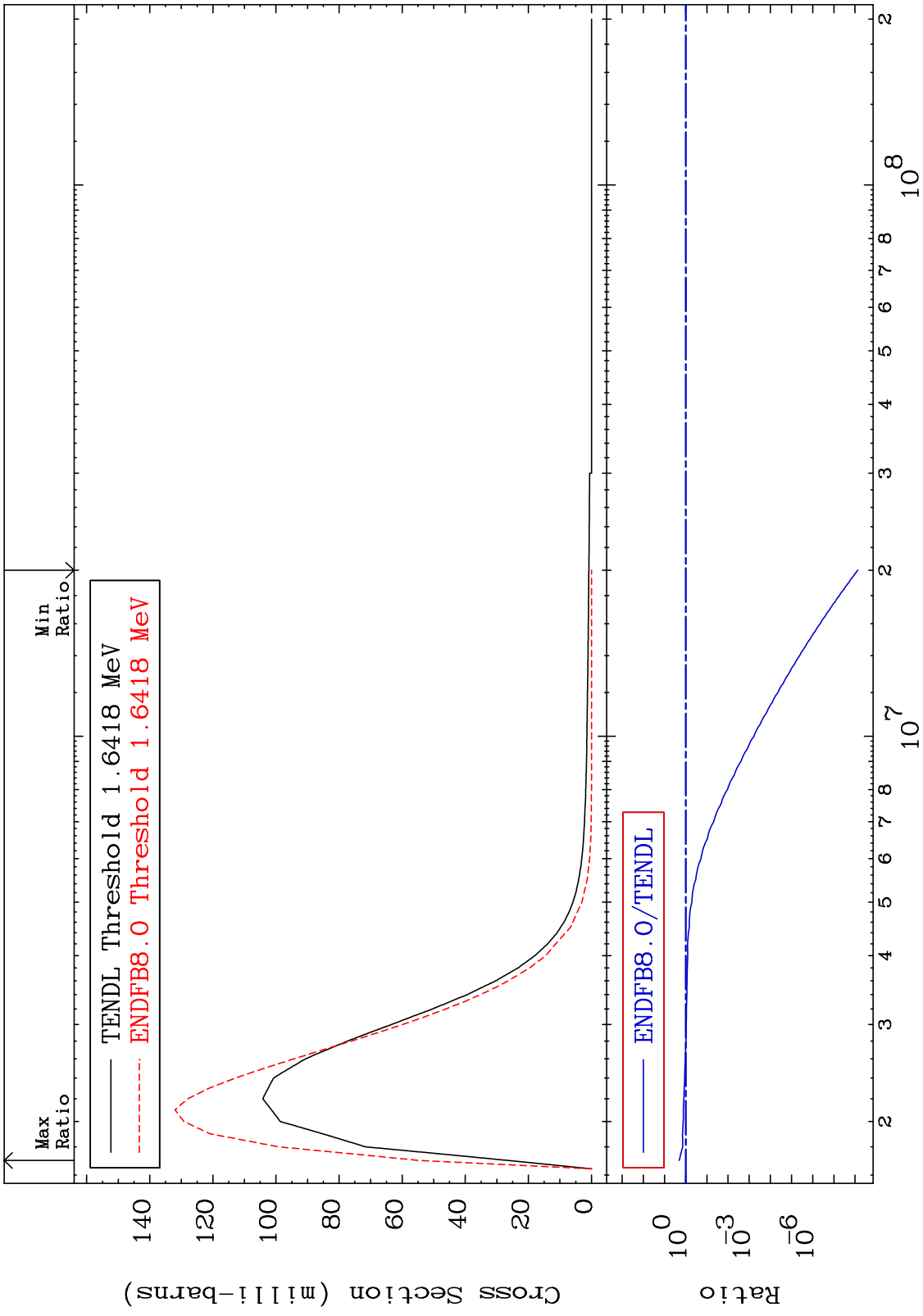
MAT 5425 MT= 56 (n,n') Level Cross Section 54-Xe-124 -100.0 To 89.25 %



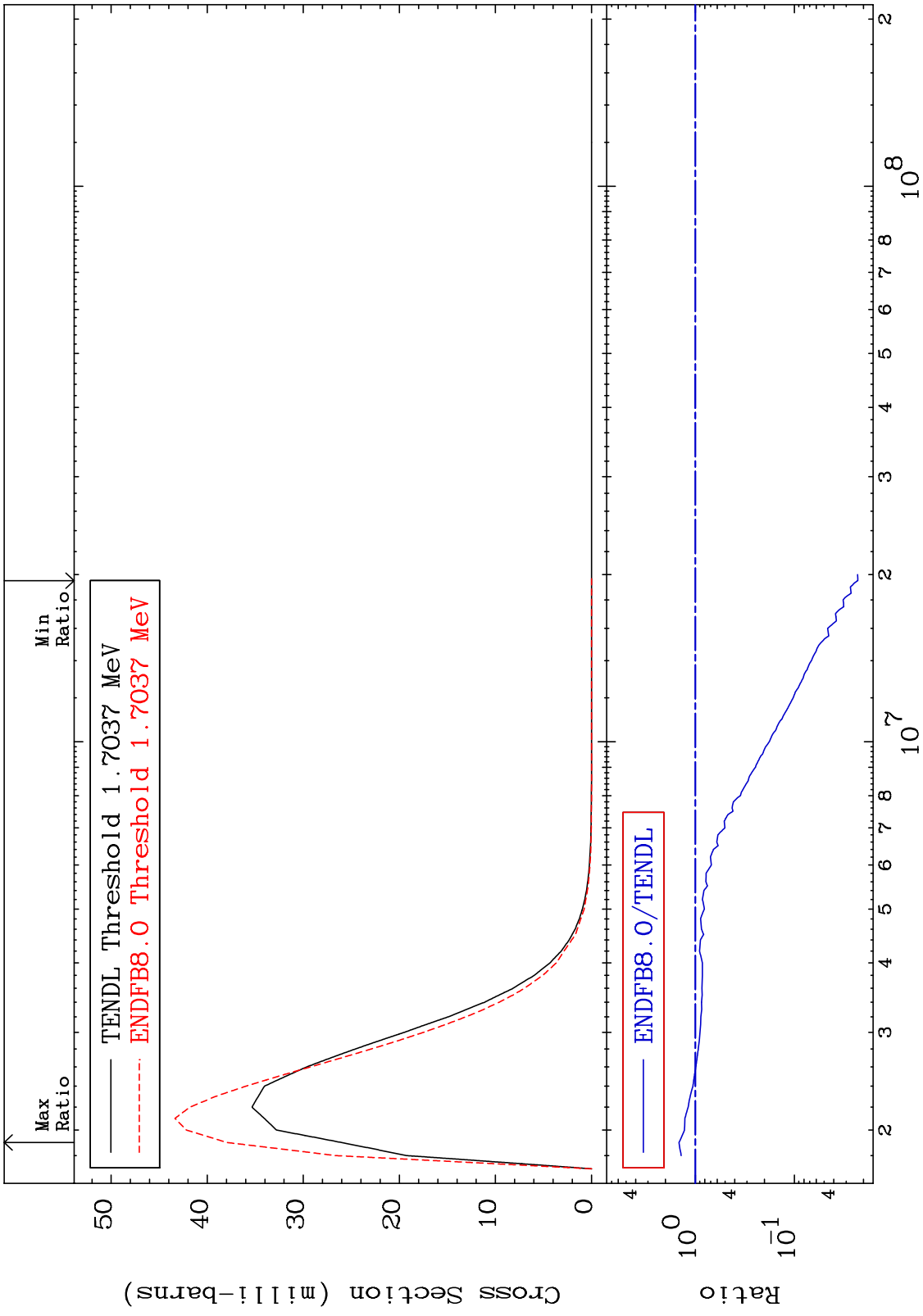
MAT 5425 MT= 57 (n,n') Level Cross Section 54-Xe-124 -100.0 To 137.4 %



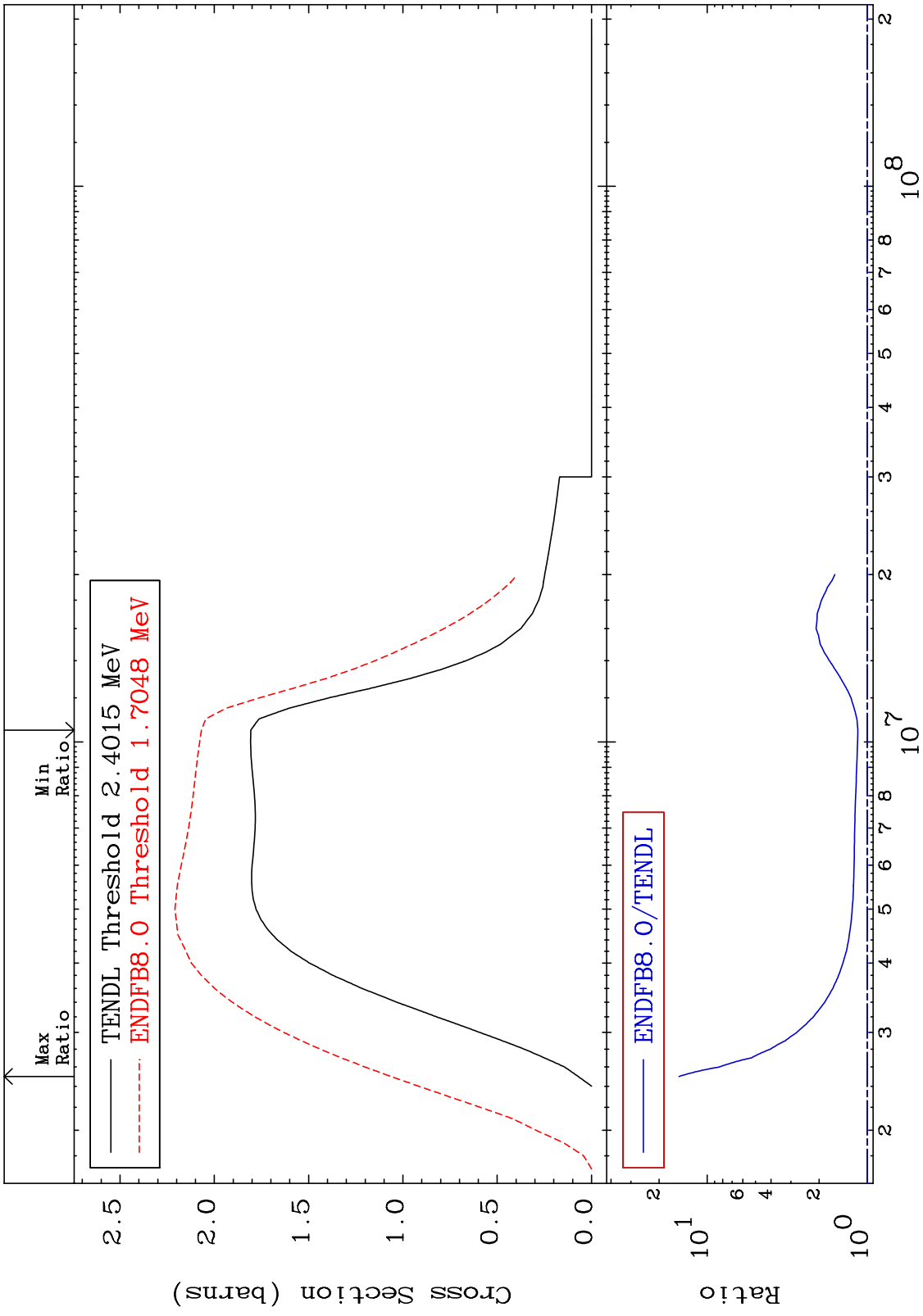
MAT 5425 MT= 58 (n,n') Level Cross Section 54-Xe-124 -100.0 To 106.6 %



MAT 5425 MT= 59 (n,n') Level Cross Section 54-Xe-124 -97.72 To 45.84 %



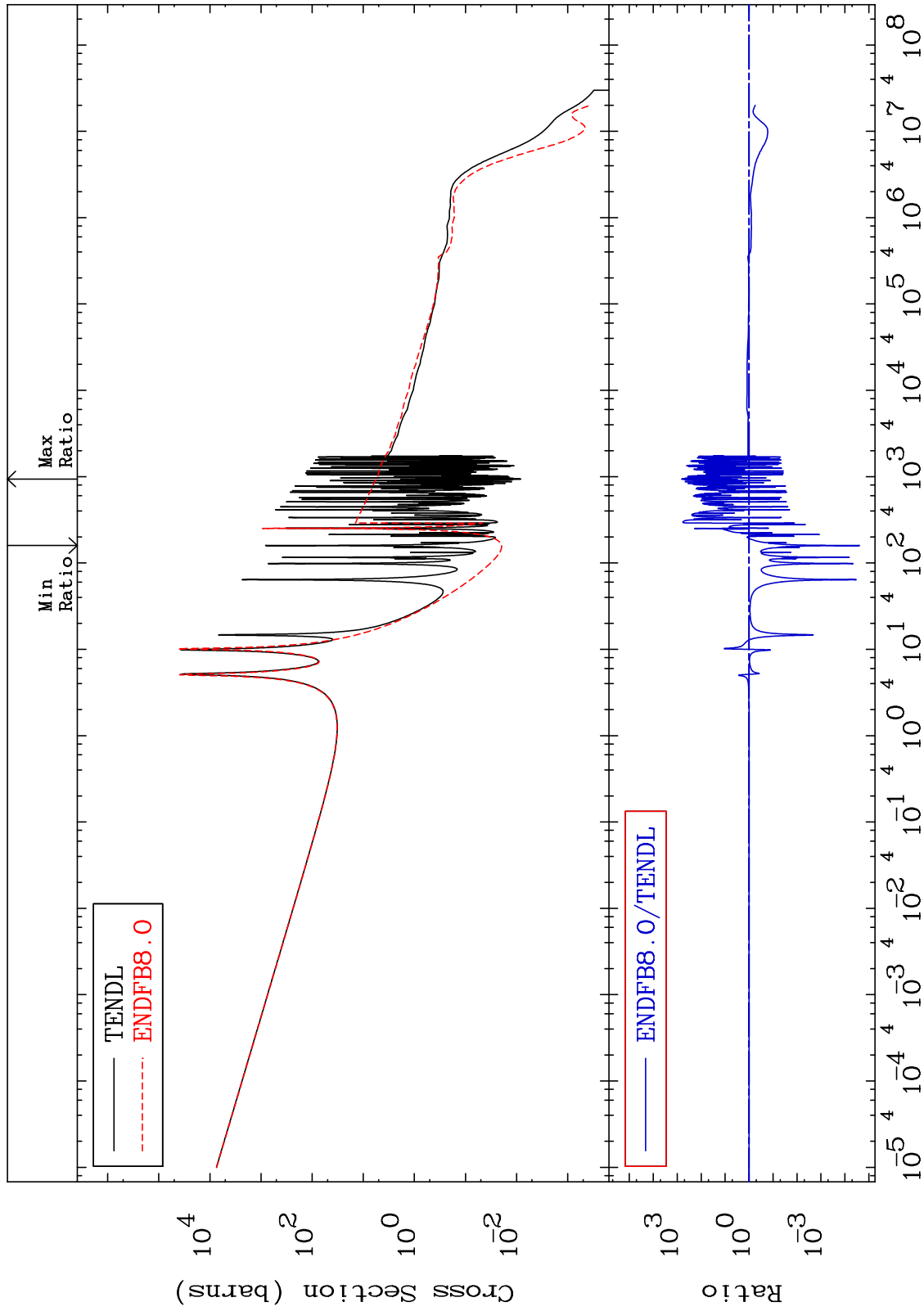
MAT 5425 (n,n') Continuum Cross Section 54-Xe-124 14.48 To 1400. %



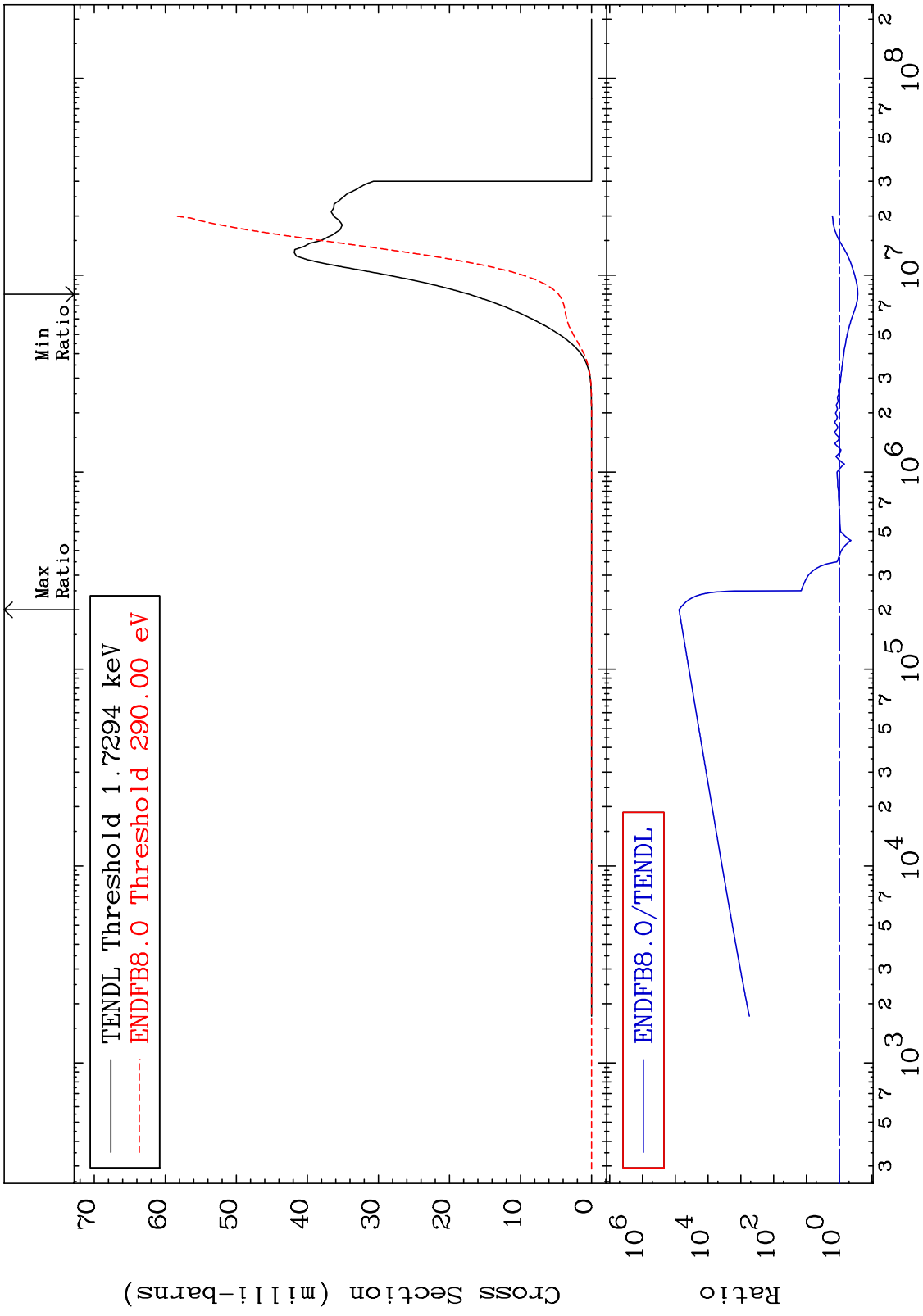
MAT 5425

(n, γ)
Cross Section

54-Xe-124
-100.0 To 9999. %



MAT 5425 (n,p) Cross Section 54-Xe-124 -73.09 To 9999. %



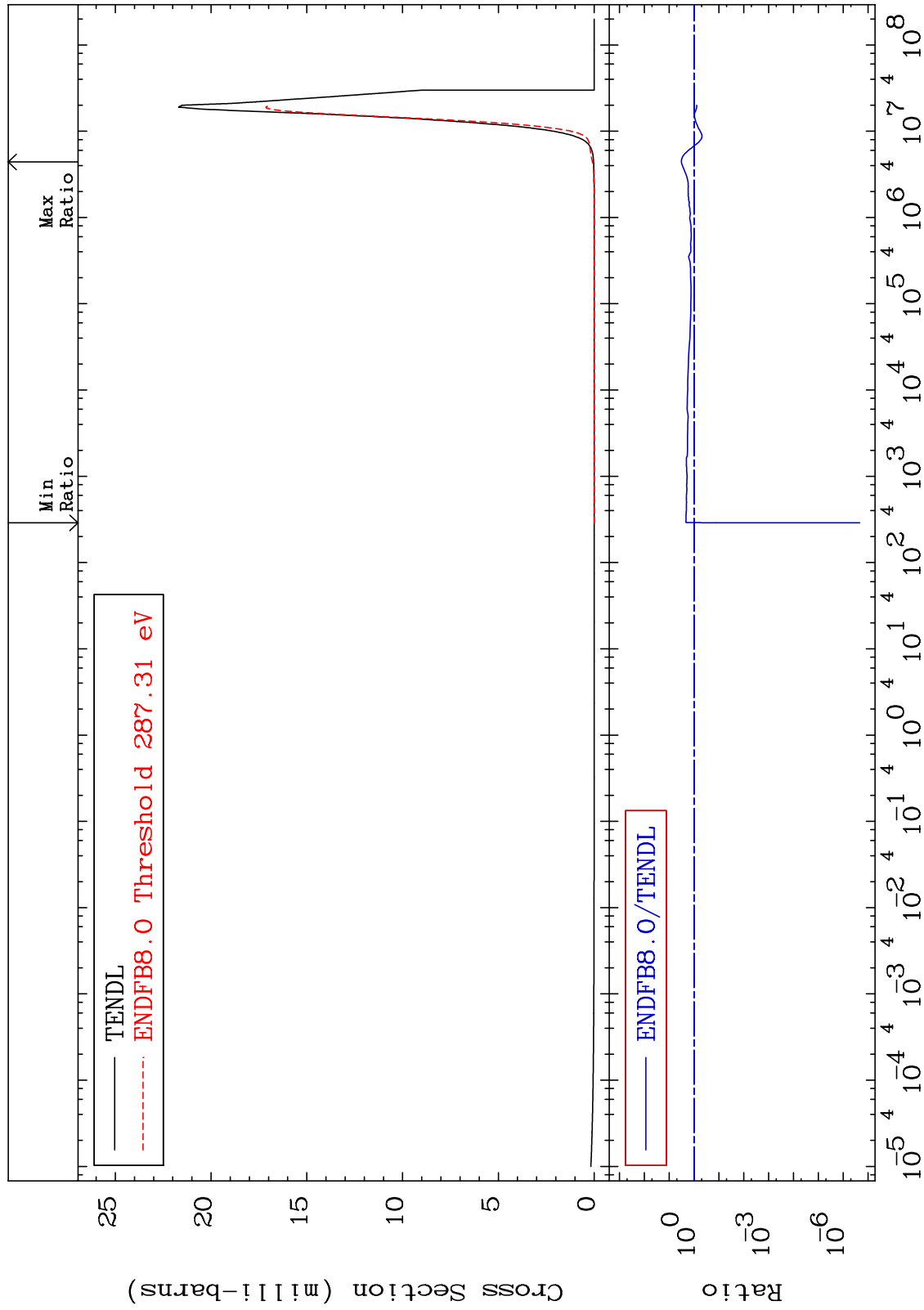
MAT 5425

(n, α)

54-Xe-124

Cross Section

-100.0 To 222.8 %



20

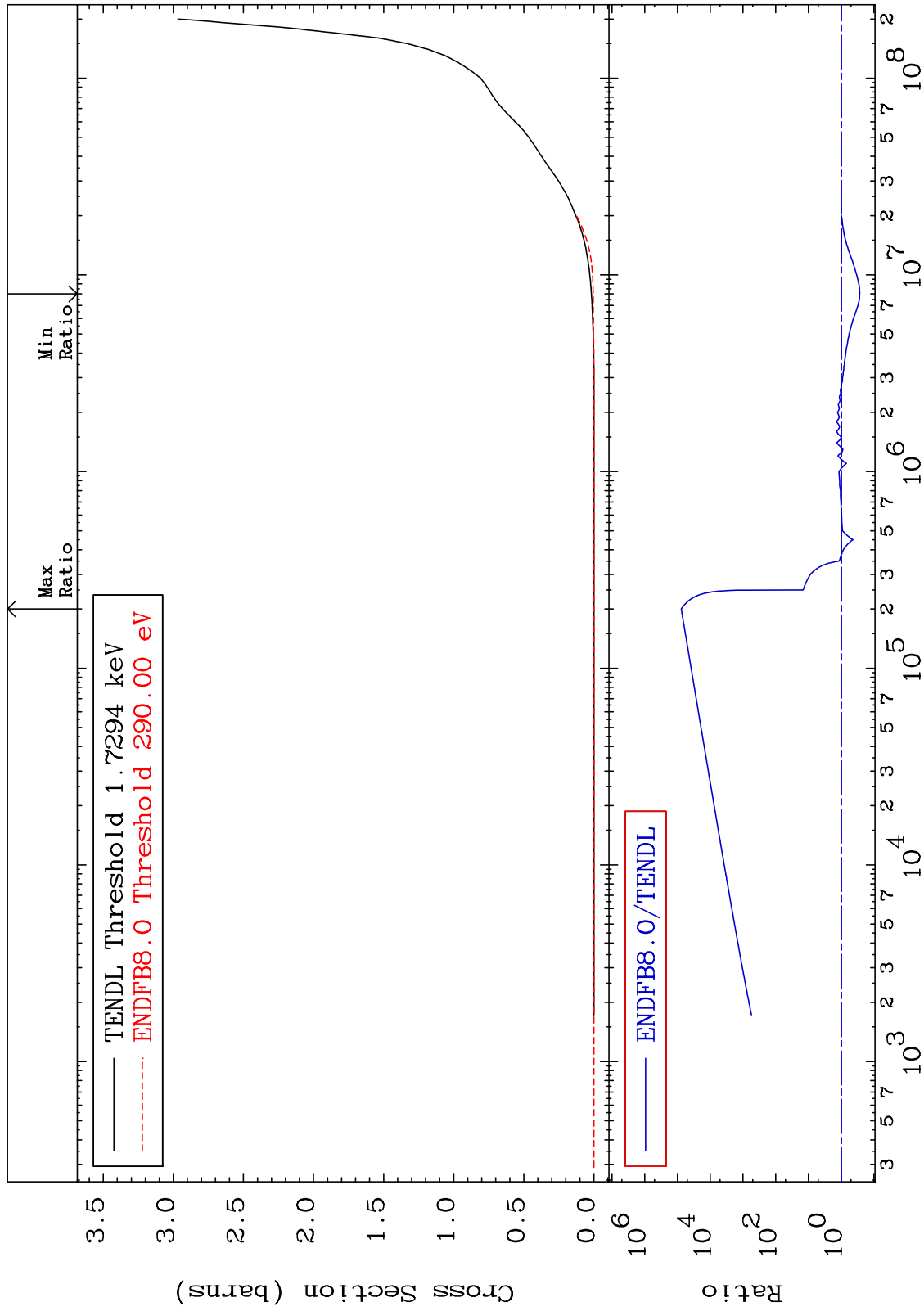
Incident Energy (eV)

54-Xe-124

MAT 5425

Hydrogen Production
Cross Section

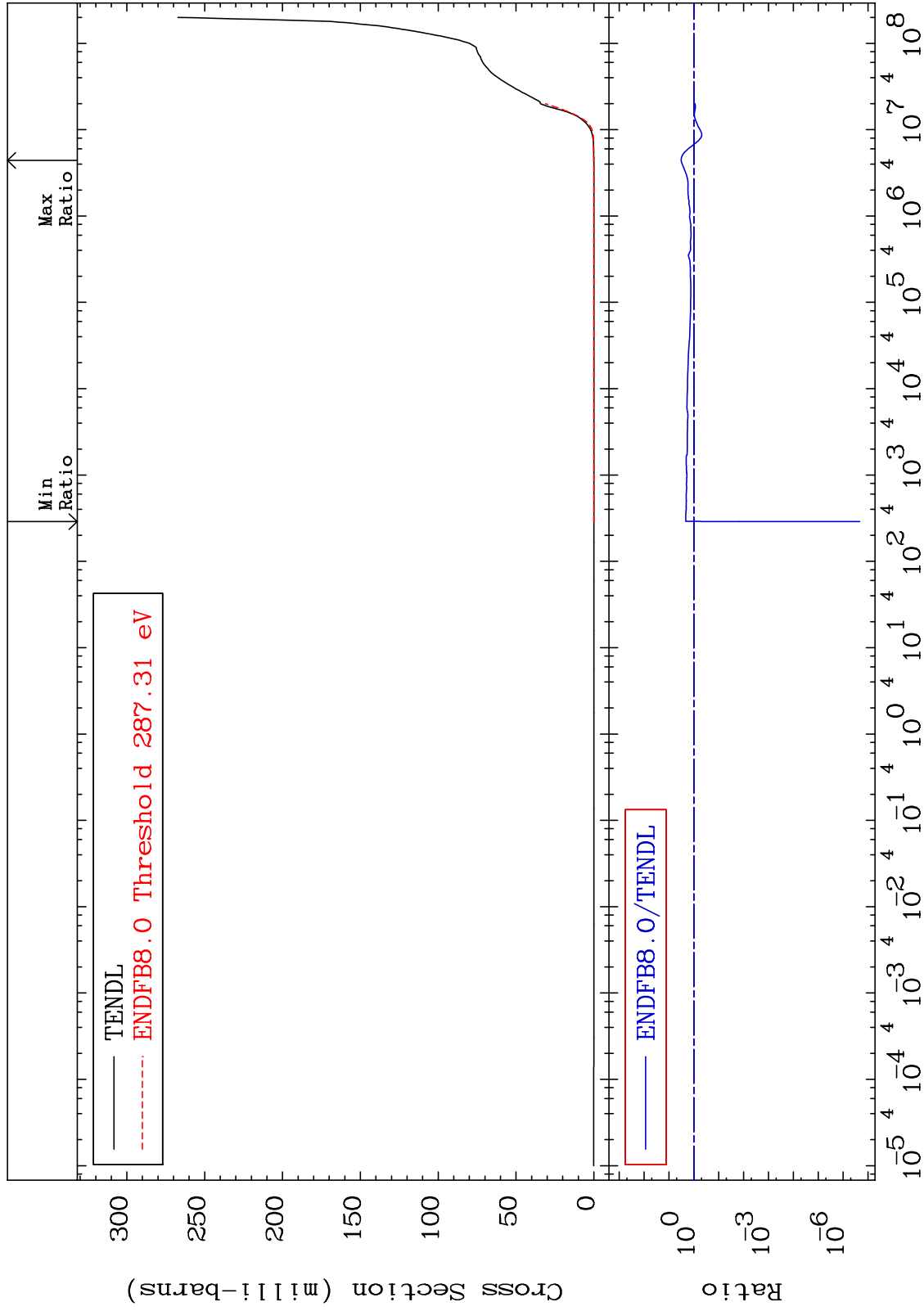
54-Xe-124
-73.09 To 9999. %



MAT 5425

He-4 Production
Cross Section

54-Xe-124
-100.0 To 222.8 %

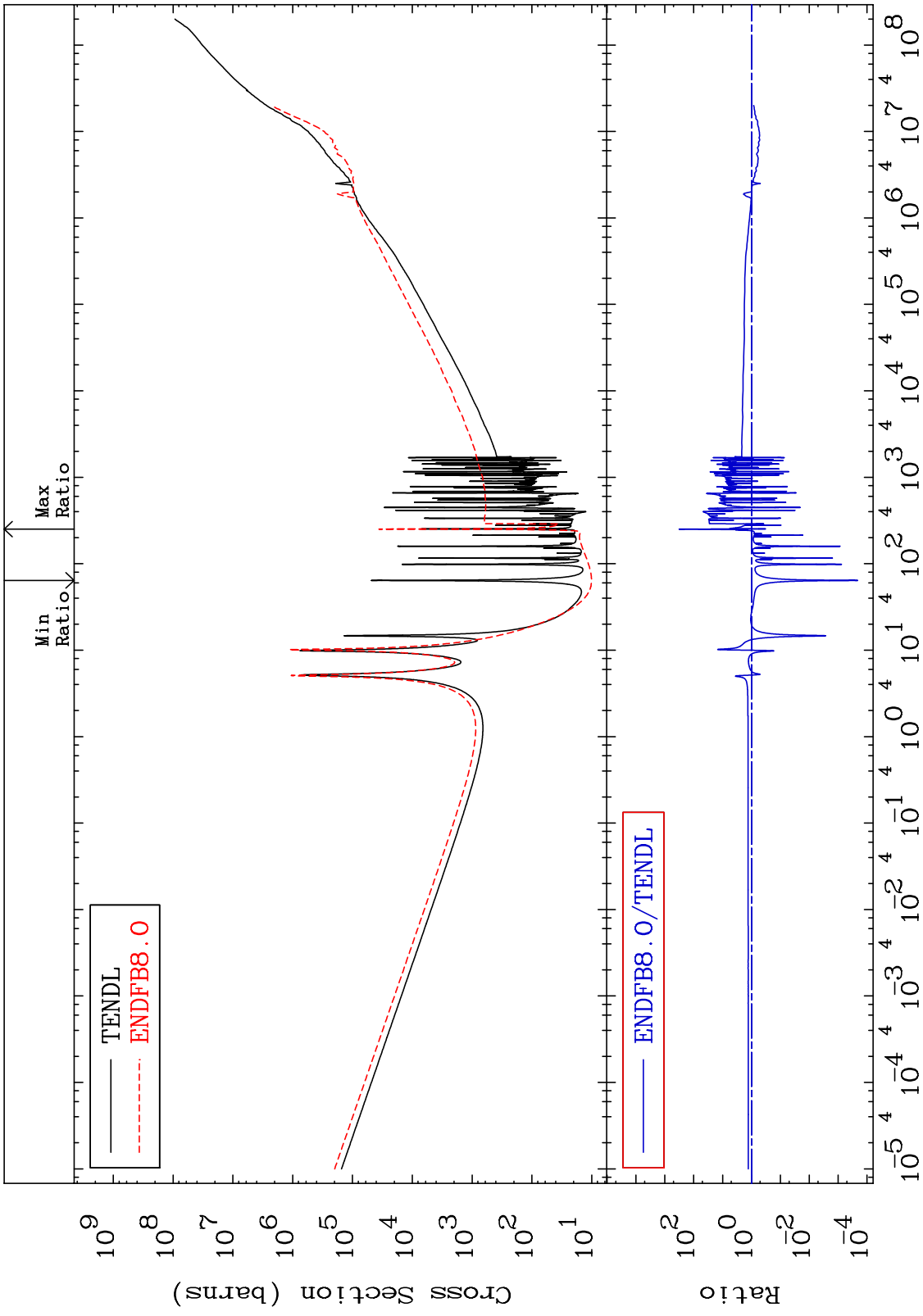


22

Incident Energy (eV)

54-Xe-124

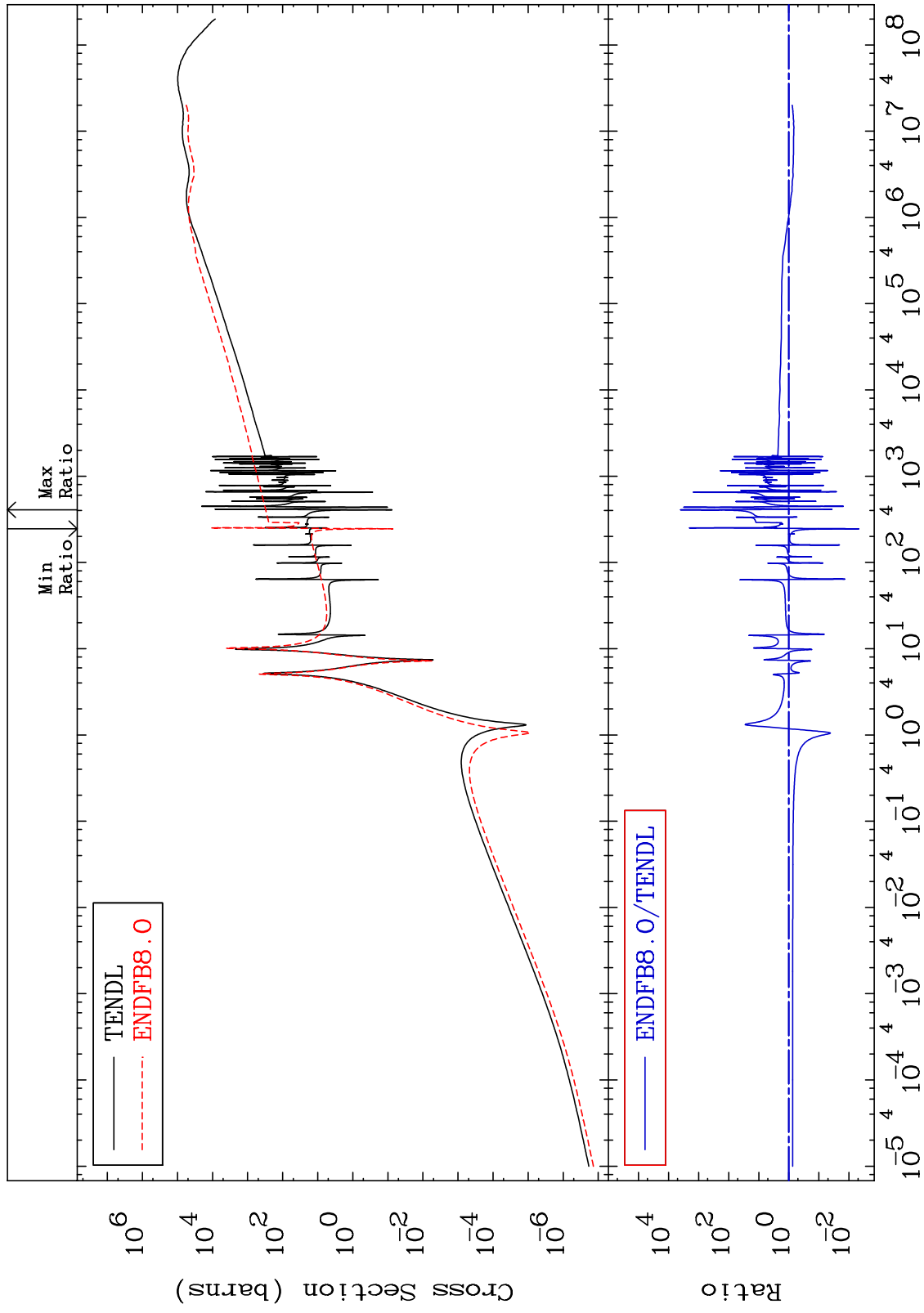
MAT 5425 Kerma total (eV-barns) 54-Xe-124
 Cross Section -99.98 To 9999. %



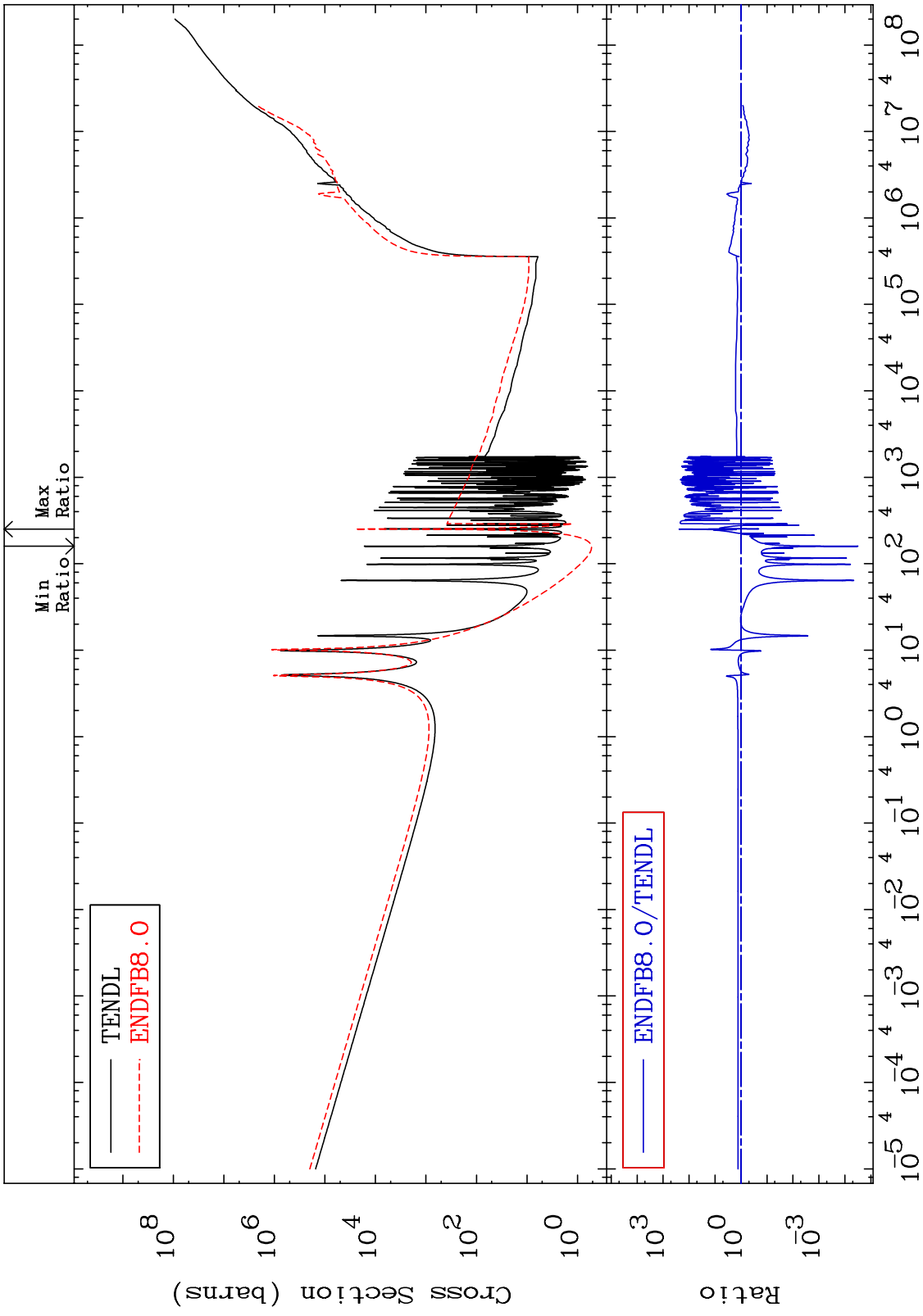
MAT 5425

Kerma elastic
Cross Section

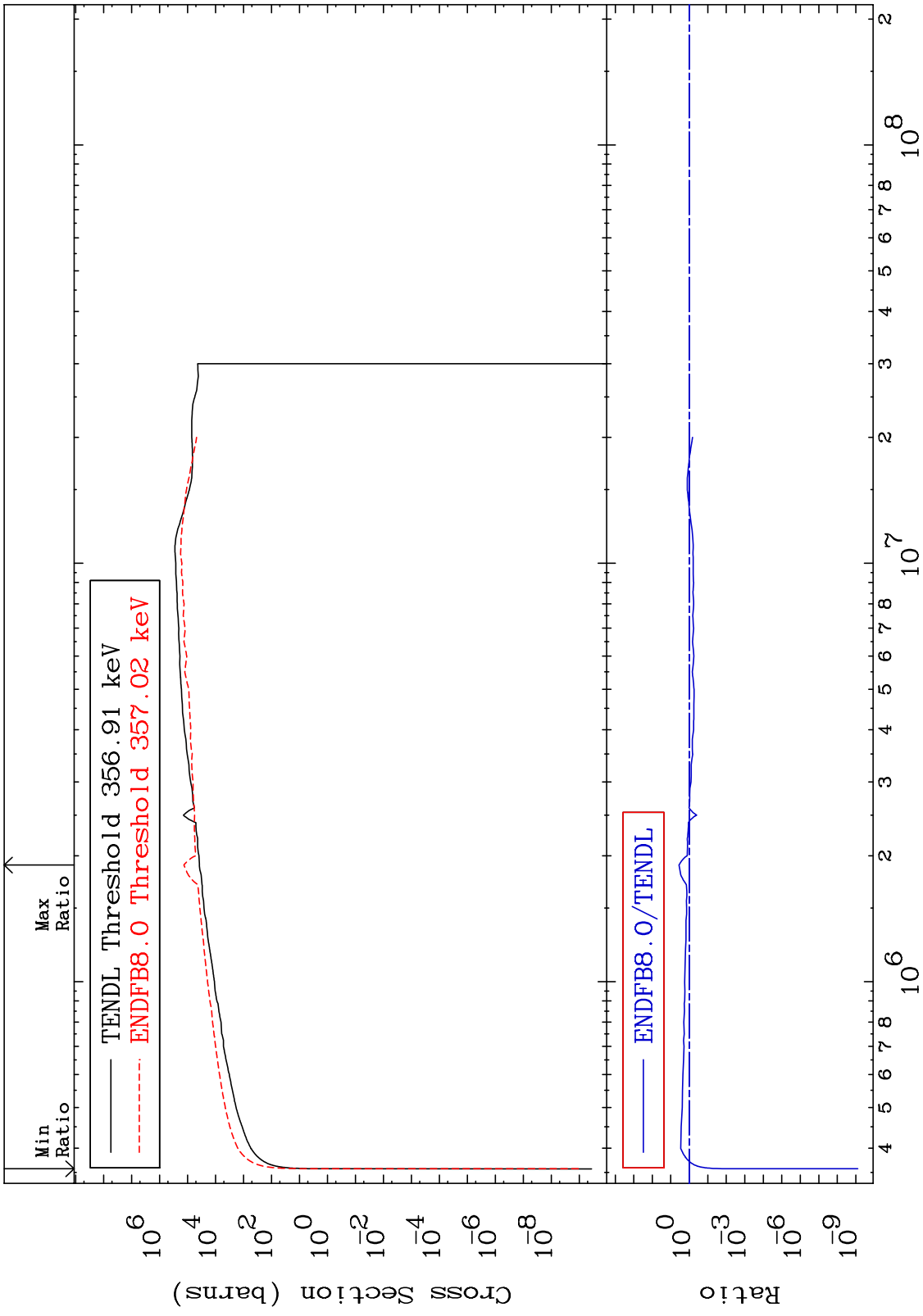
54-Xe-124
-99.54 To 9999. %



MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124
 -100.0 To 9999. %
 Cross Section

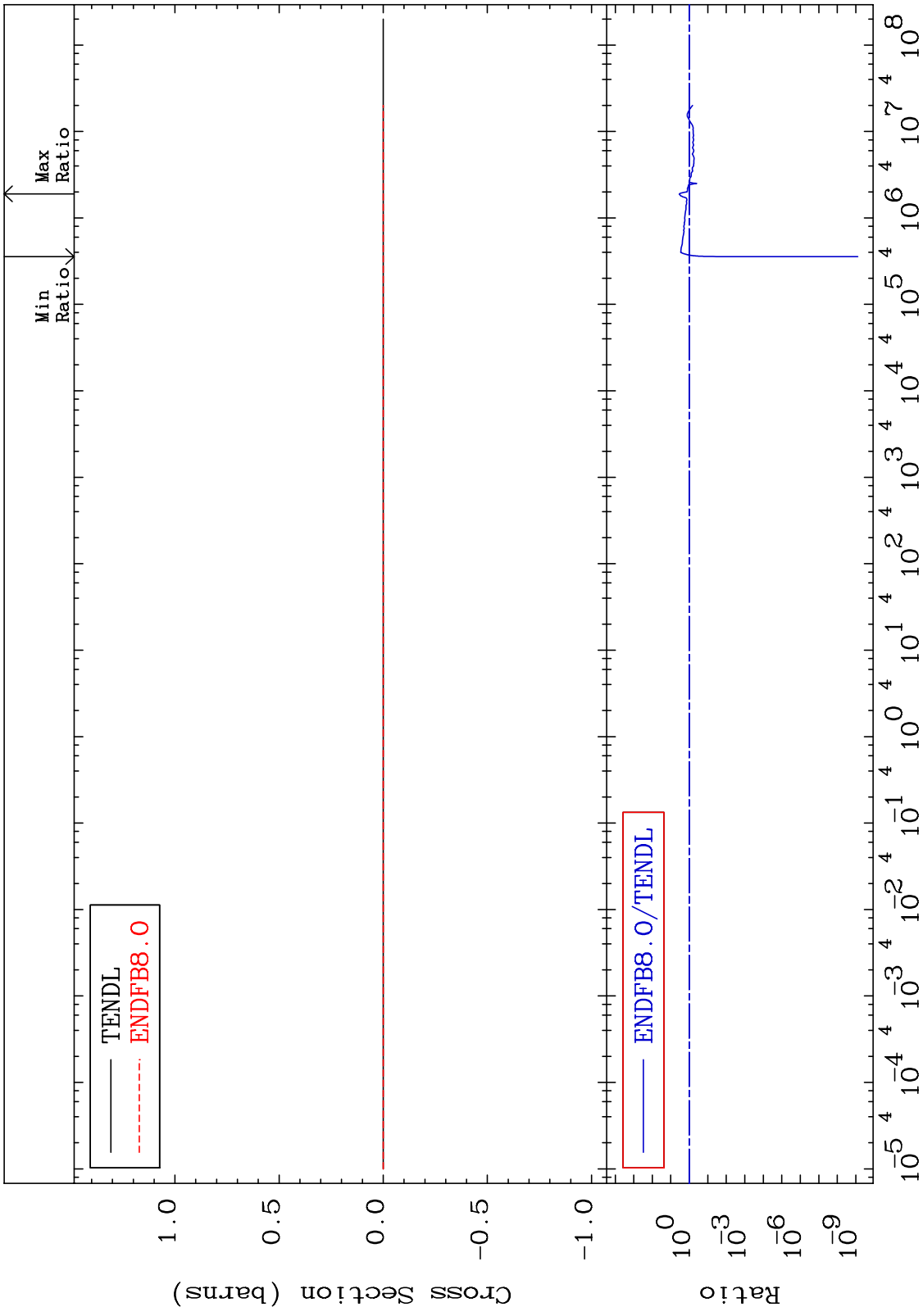


MAT 5425 Kerma inelastic (mt51-91) 54-Xe-124
 -100.0 To 257.4 %
 Cross Section

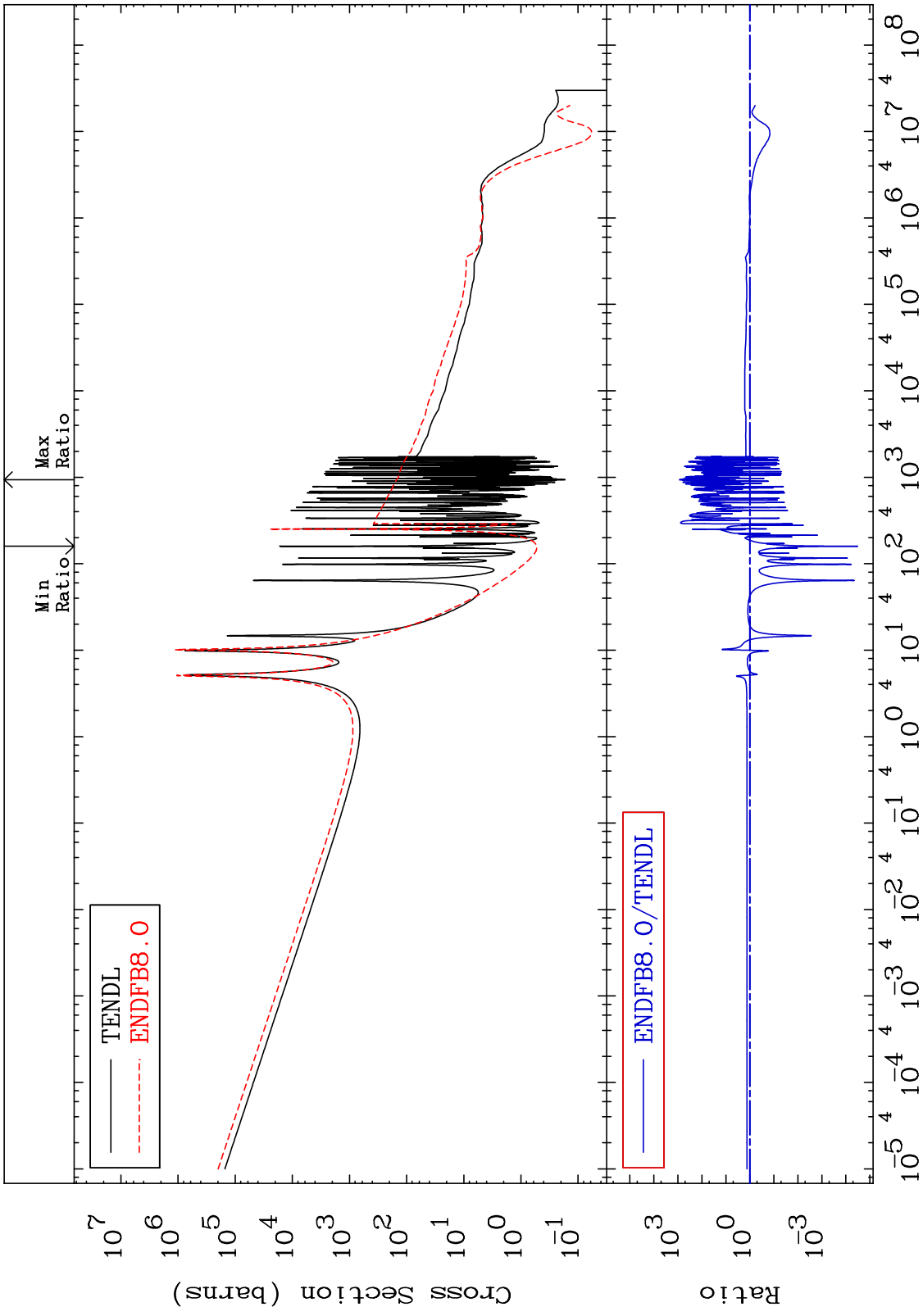


26 54-Xe-124

MAT 5425 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-124
 Cross Section -100.0 To 257.4 %



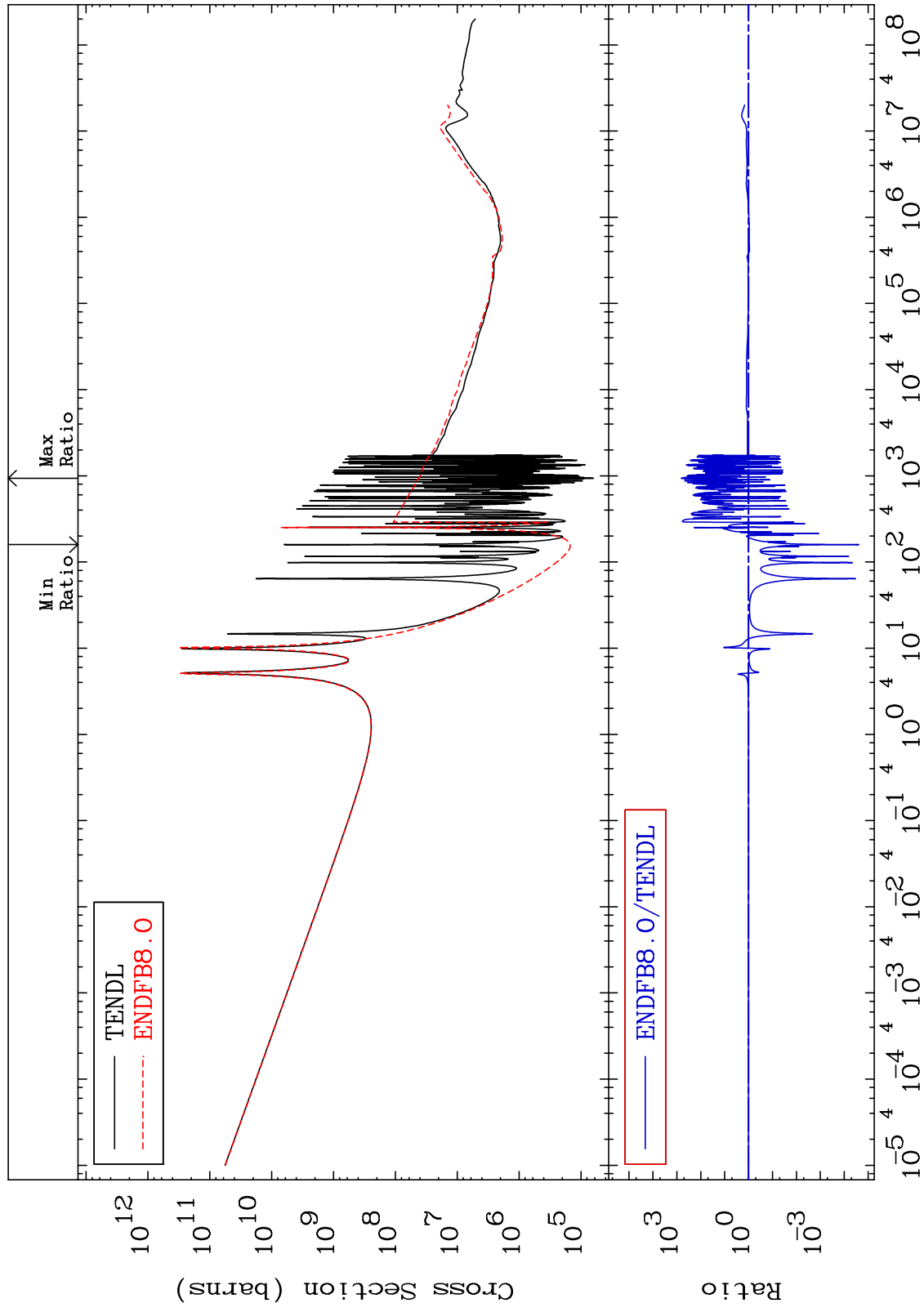
MAT 5425 Kerma capture (mt102) 54-Xe-124
 -100.0 To 9999. %



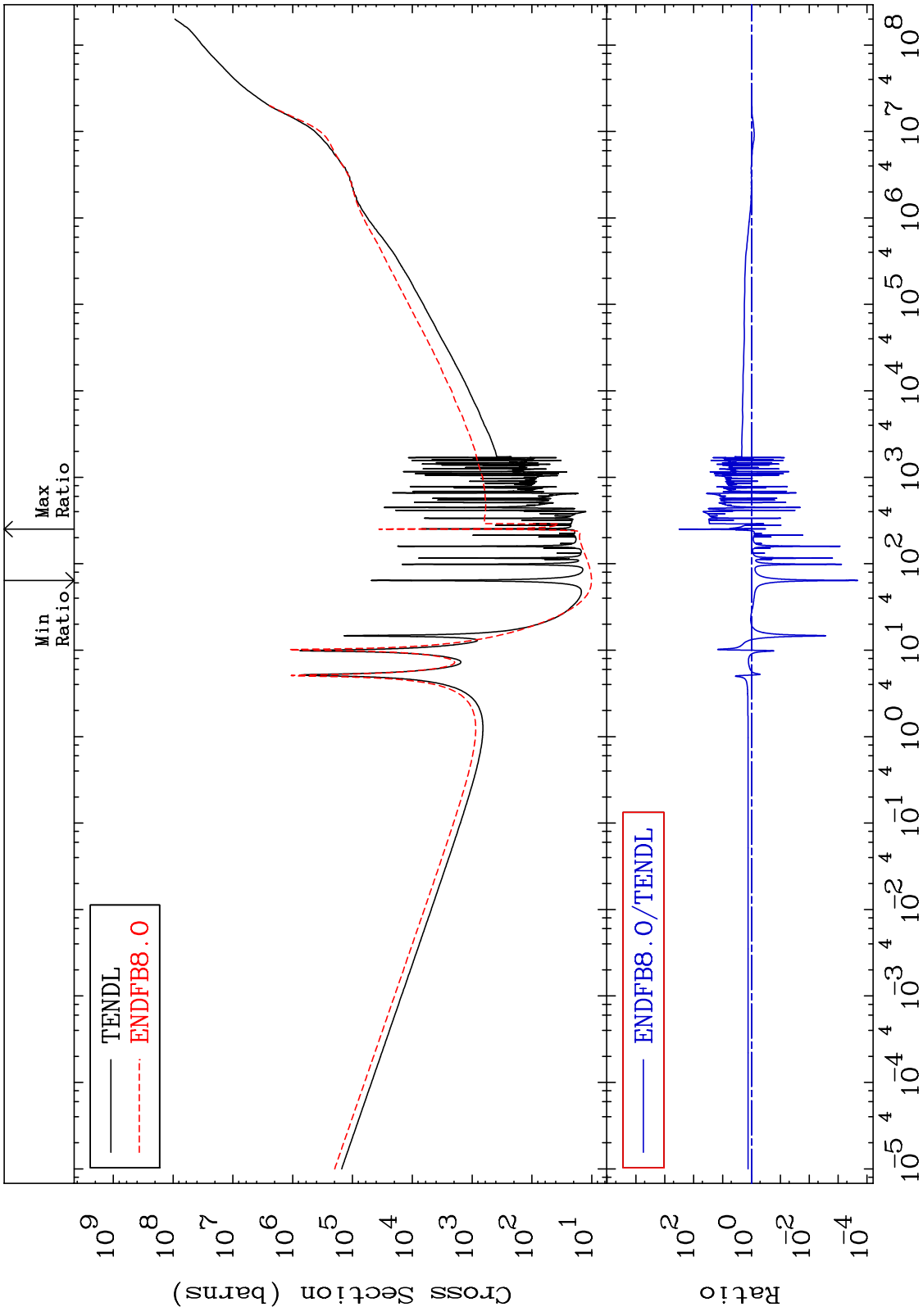
MAT 5425

Total photon (eV-barns)
Cross Section

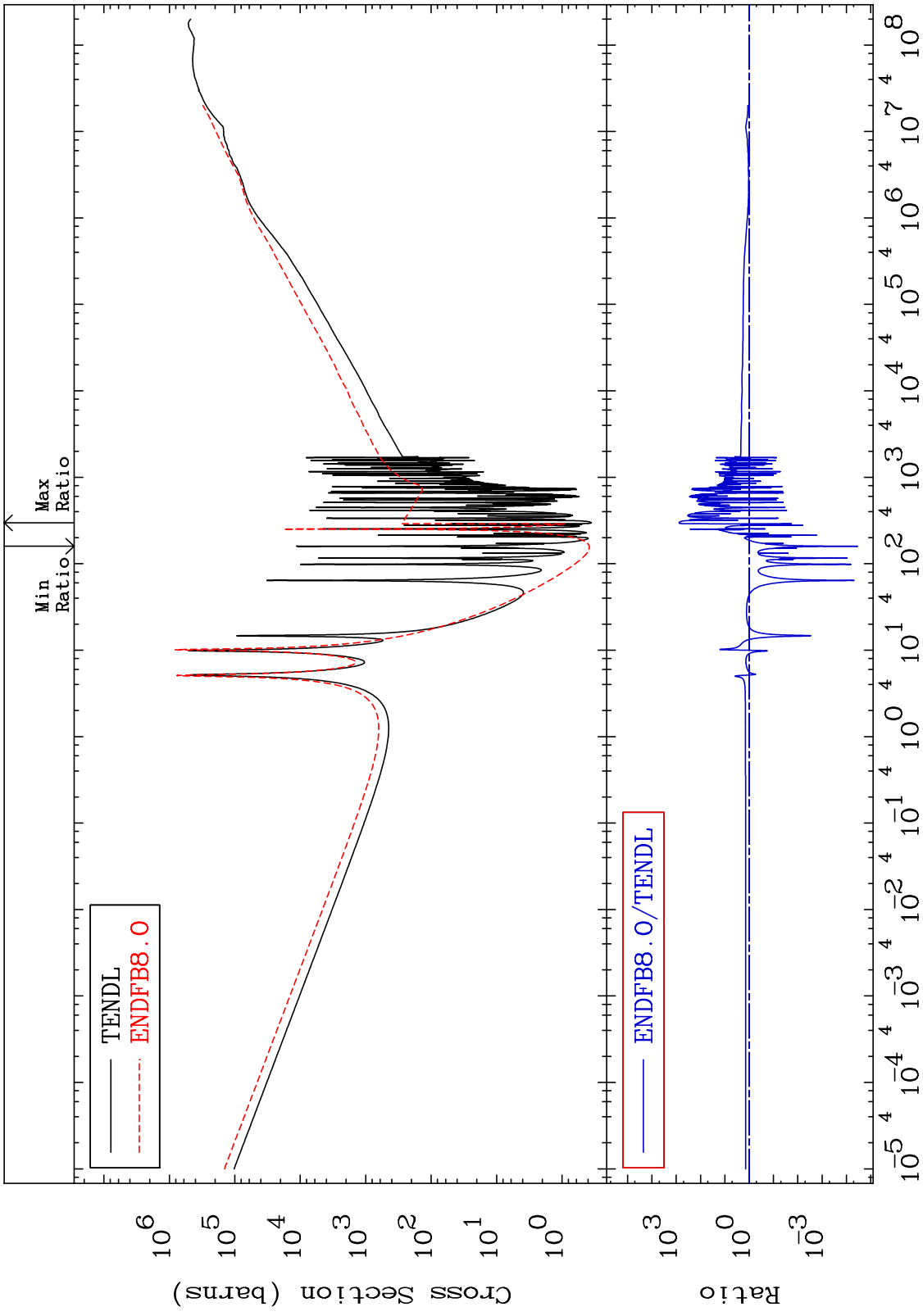
54-Xe-124
-100.0 To 9999. %



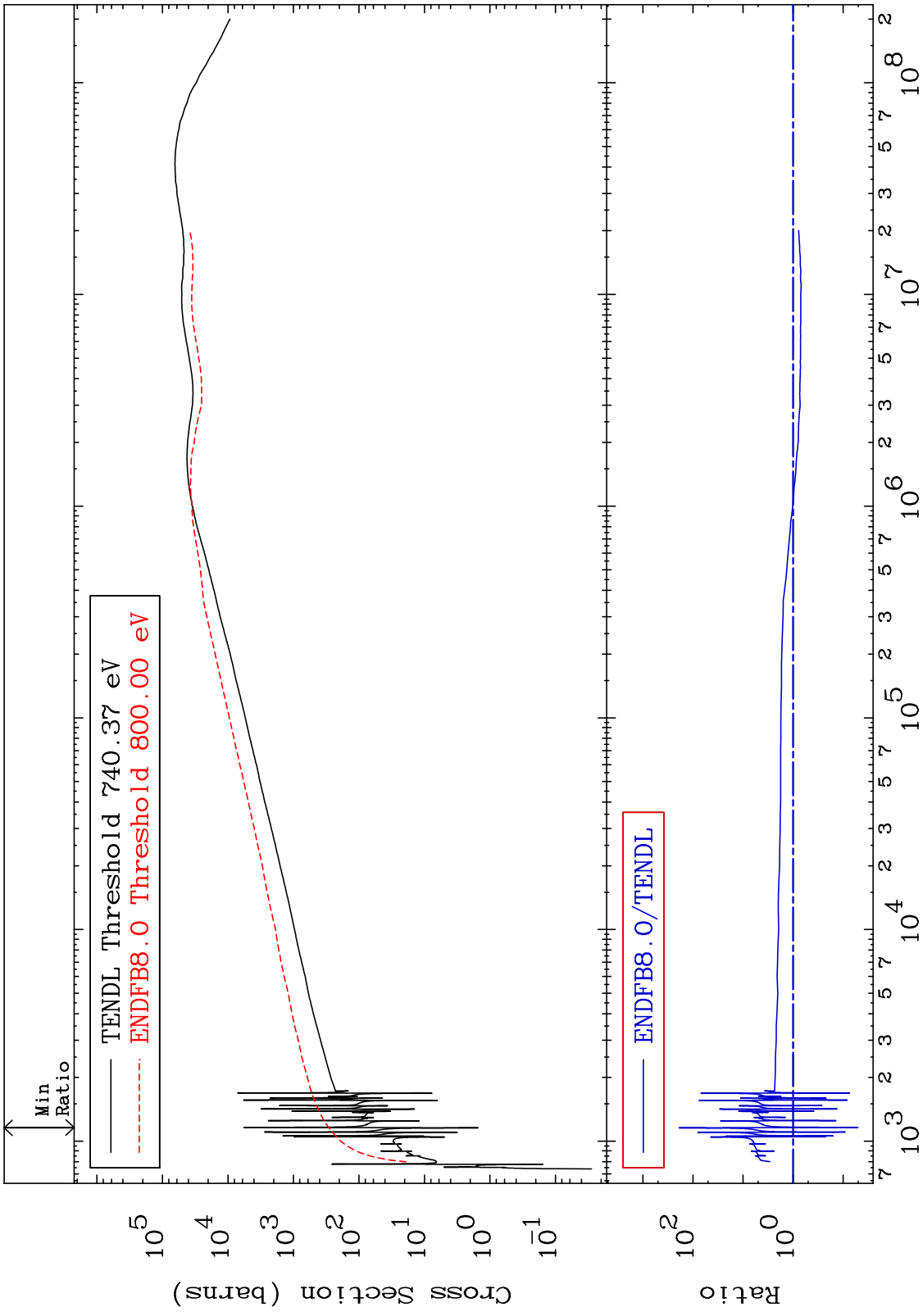
MAT 5425 Total kinematic kerma (high limit) 54-Xe-124
 Cross Section -99.98 To 9999. %



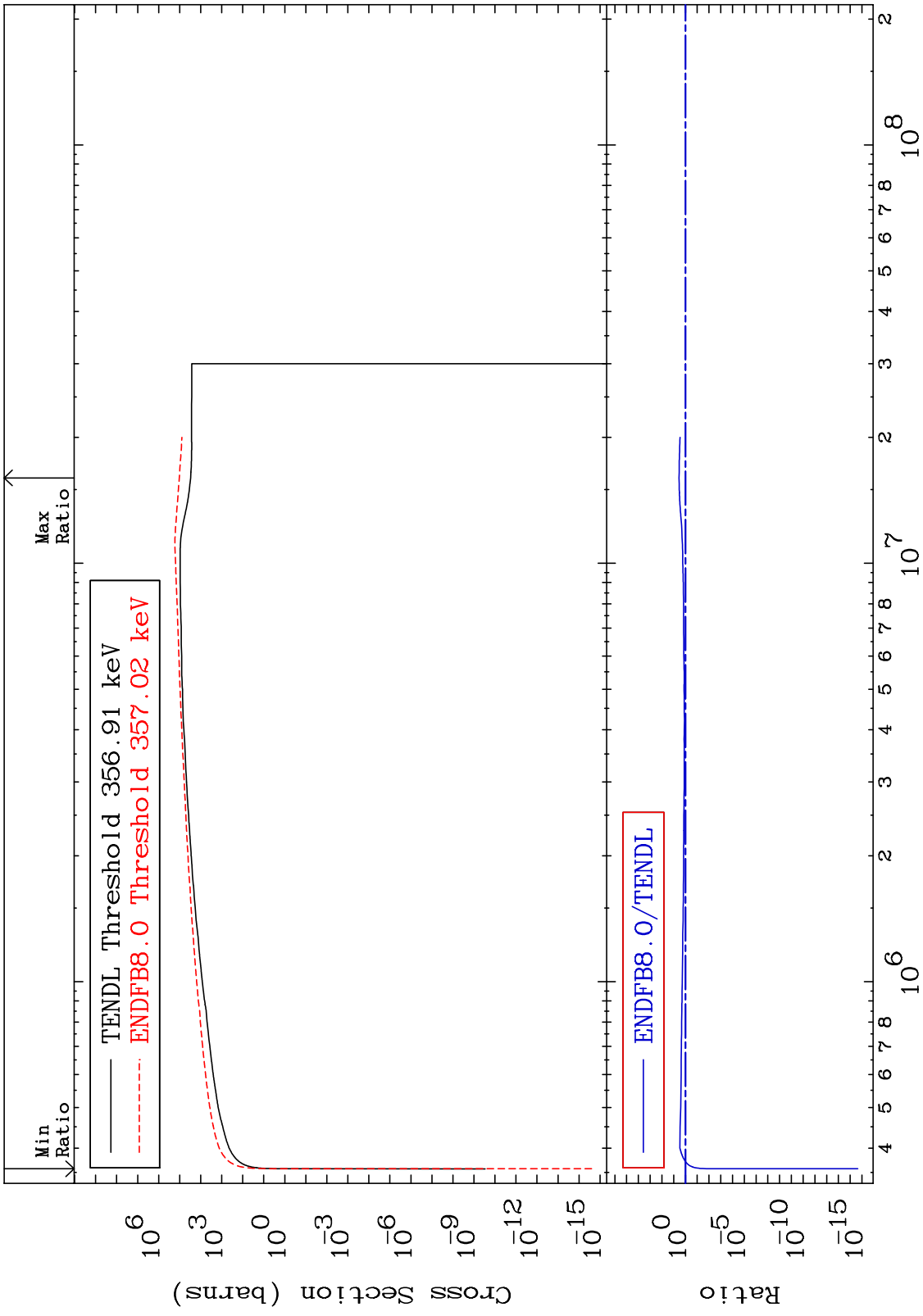
MAT 5425 Dpa total (eV-barns) 54-Xe-124
 -100.0 To 9999. %



MAT 5425 Dpa elastic (mt2) 54-Xe-124
 Cross Section -94.88 To 9999. %



MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124
 Cross Section -100.0 To 249.5 %



MAT 5425 Dpa disappearance (mt102 -120) 54-Xe-124
 Cross Section -100.0 To 9999. %

