

Program Complot
(Version 2021-1)

by

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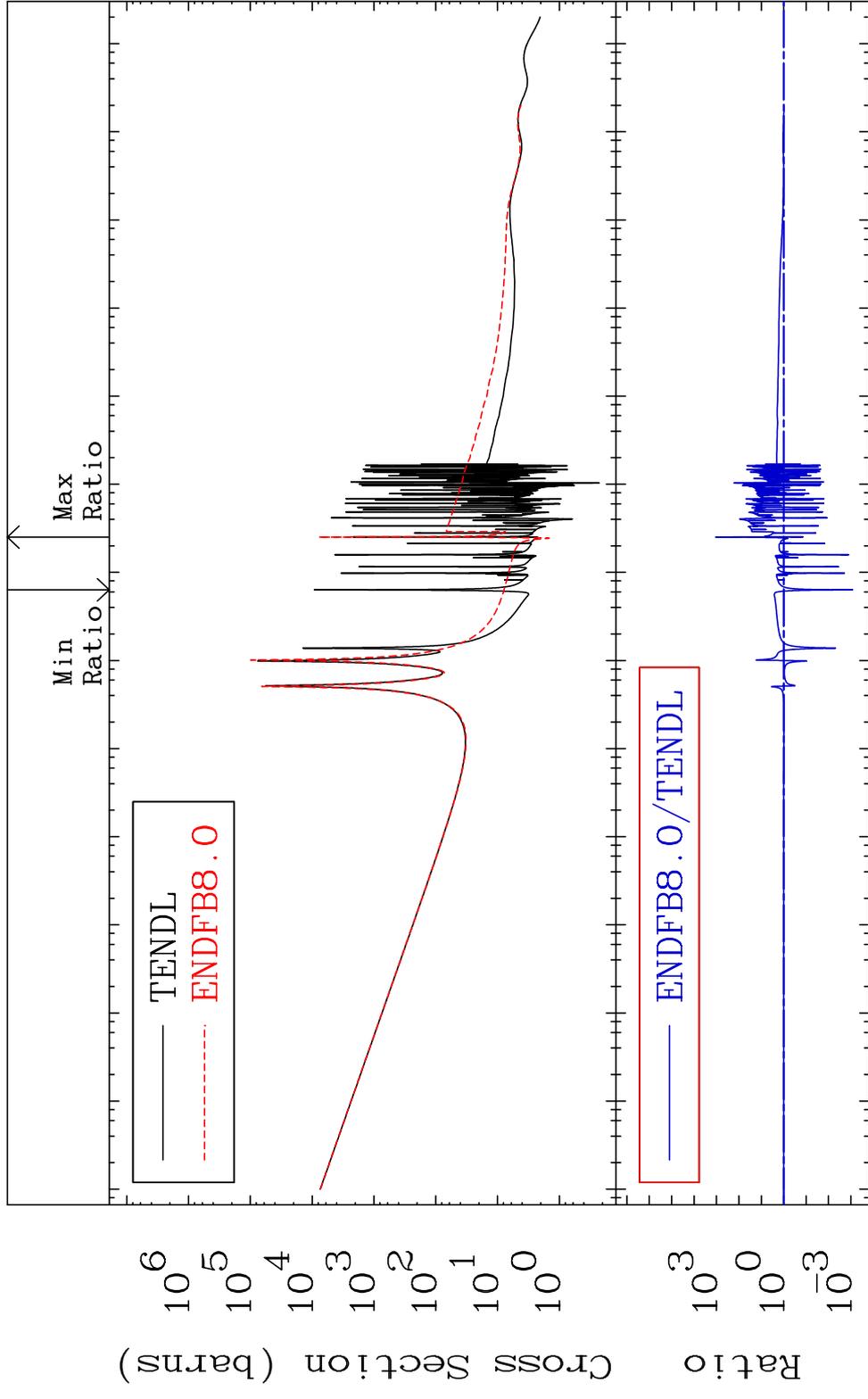
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5425

Total Cross Section
54-Xe-124
-99.92 To 9999. %



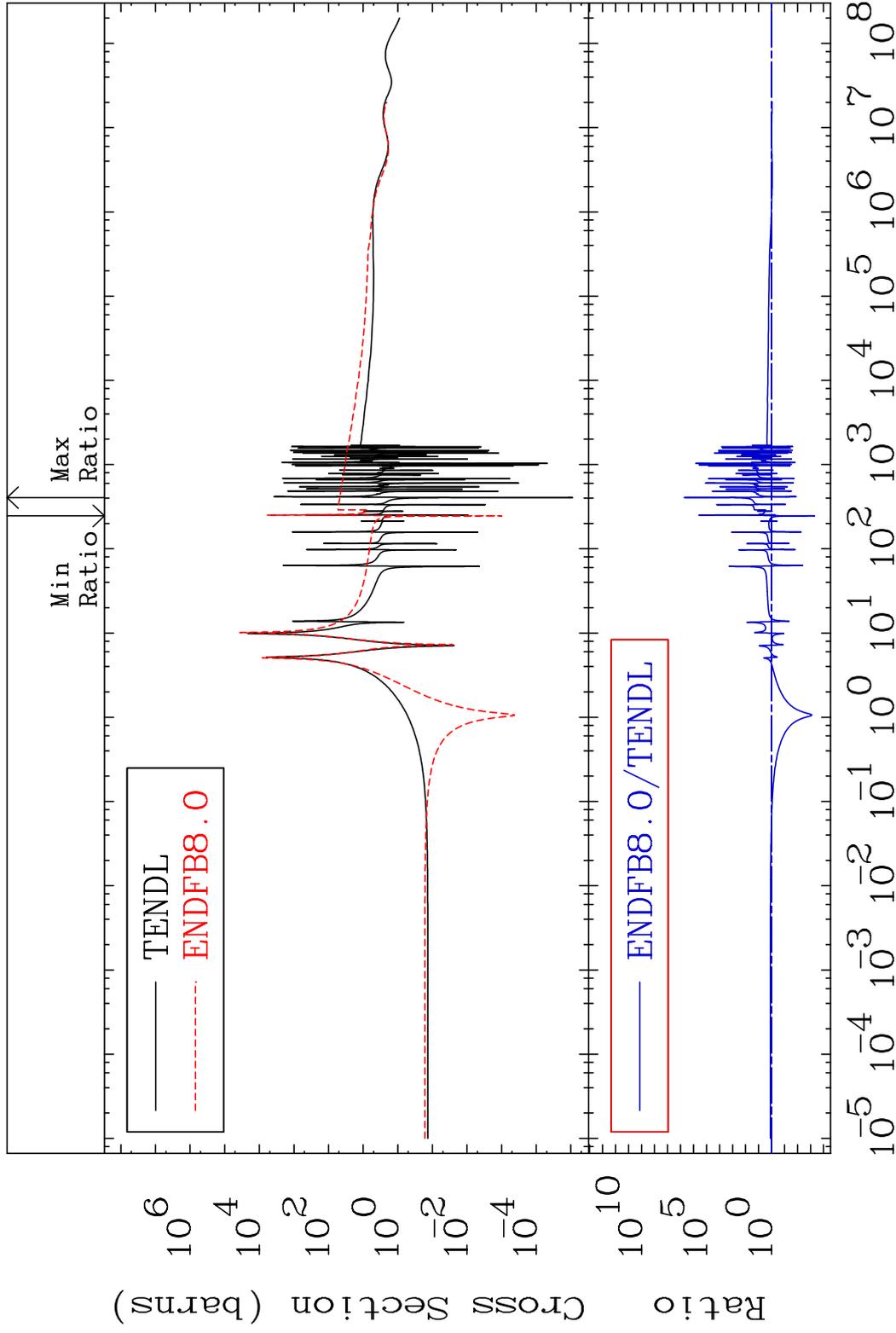
1 Incident Energy (eV) 54-Xe-124

MAT 5425

Elastic

54-Xe-124

Cross Section -99.95 To 9999. %

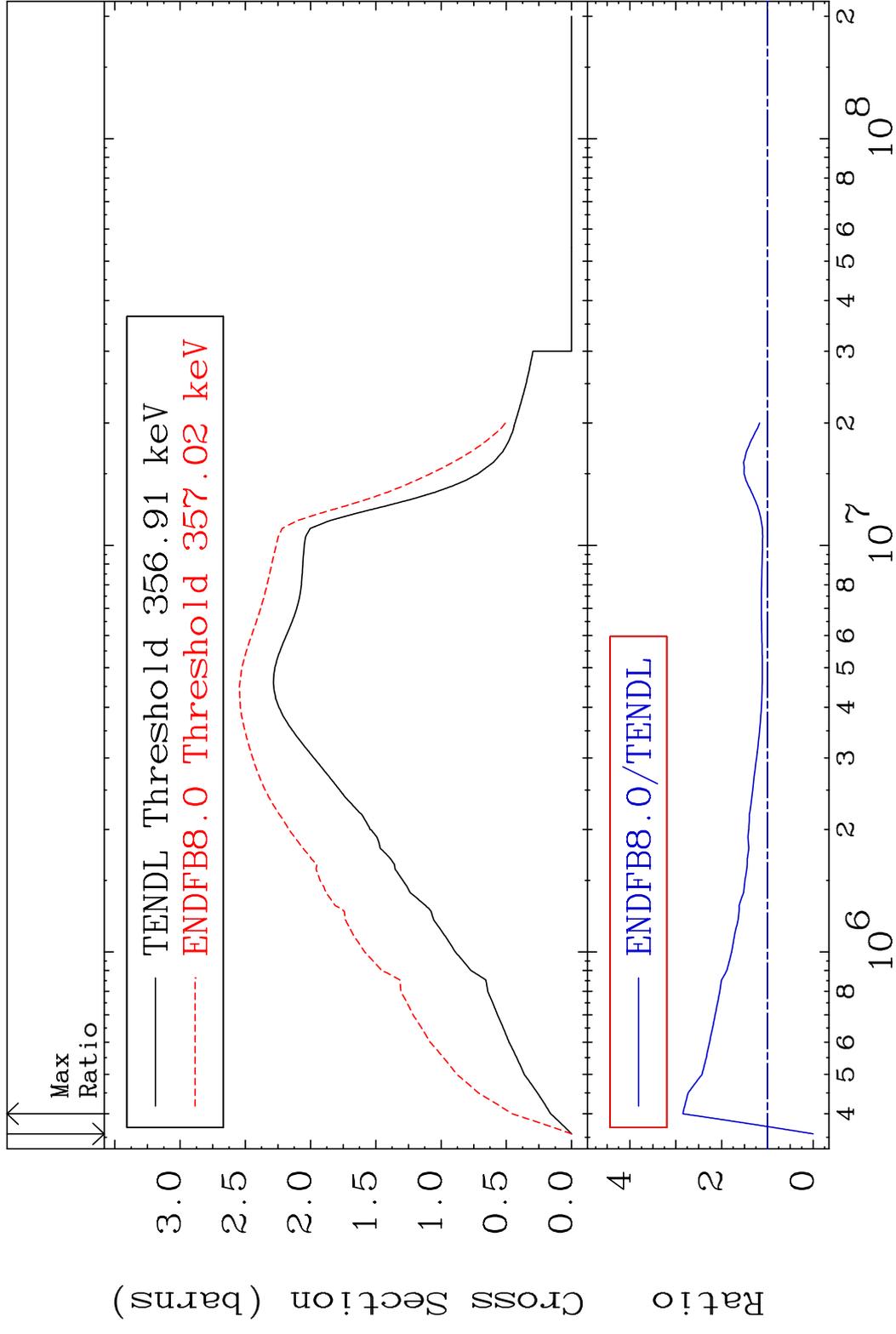


2

Incident Energy (eV)

54-Xe-124

MAT 5425 Inelastic 54-Xe-124
 Cross Section -100.0 To 184.6 %

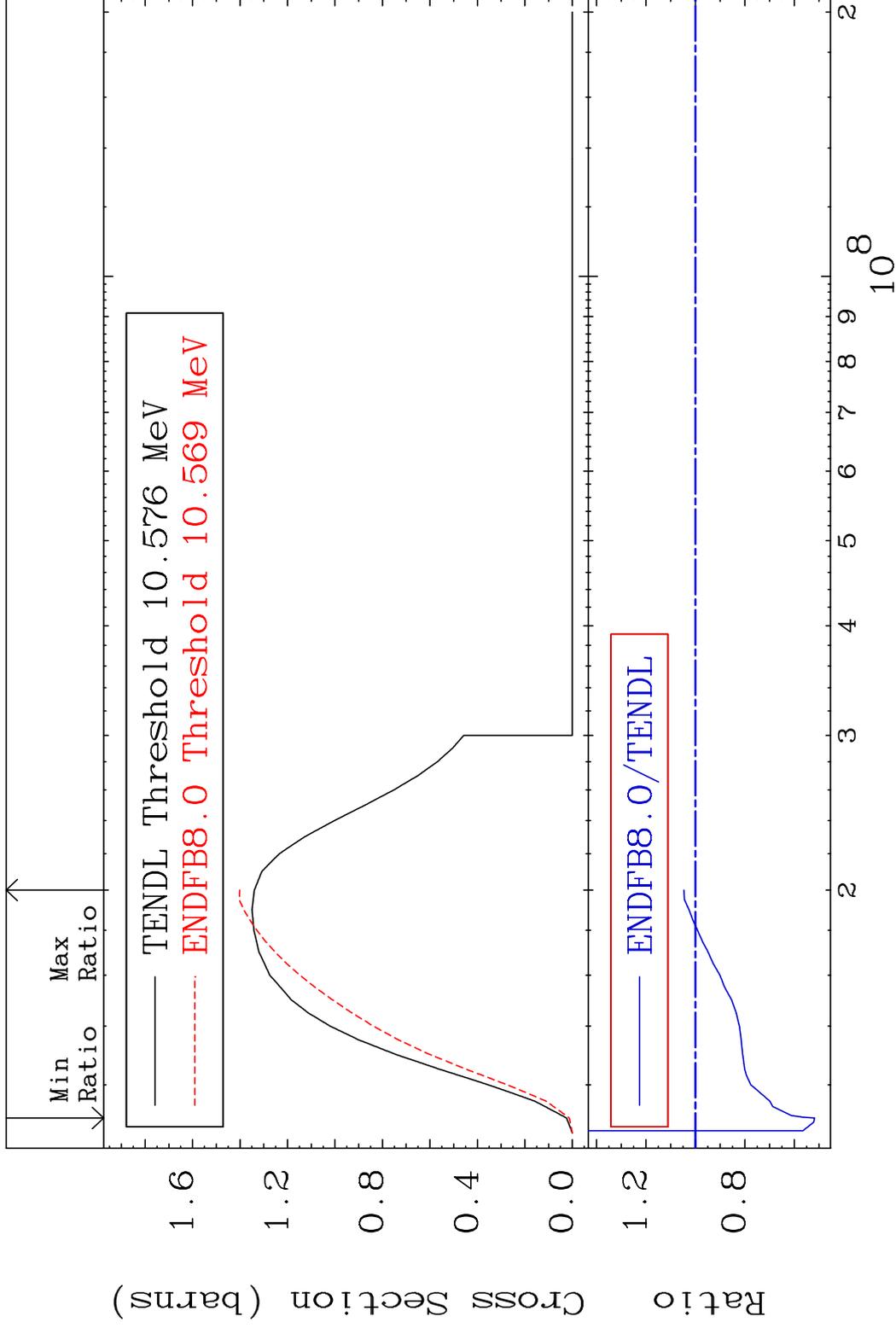


MAT 5425

(n,2n)

54-Xe-124

Cross Section -48.24 To 4.611 %



4

Incident Energy (eV)

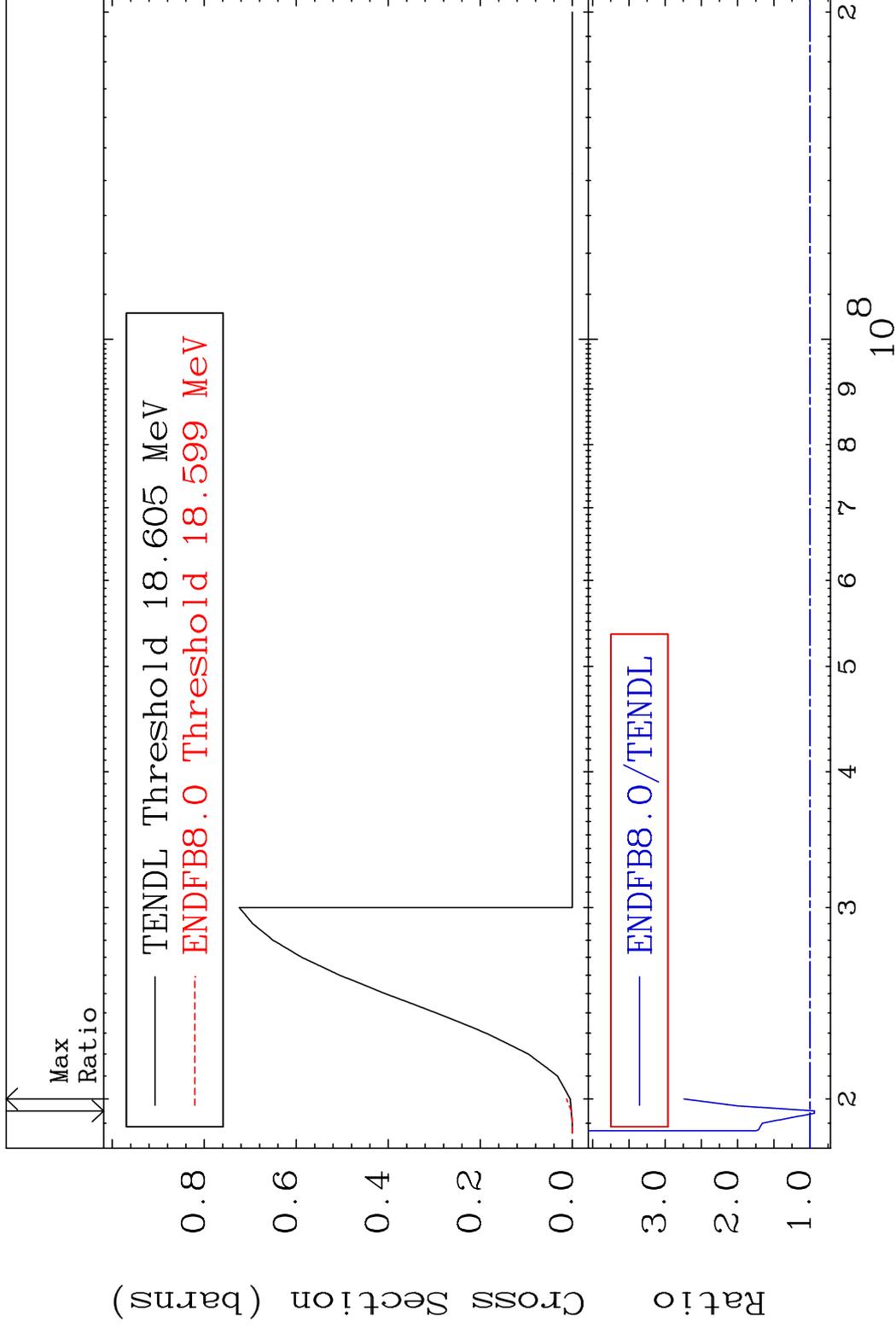
54-Xe-124

MAT 5425

(n,3n)

54-Xe-124

Cross Section -6.217 To 174.1 %



5

Incident Energy (eV)

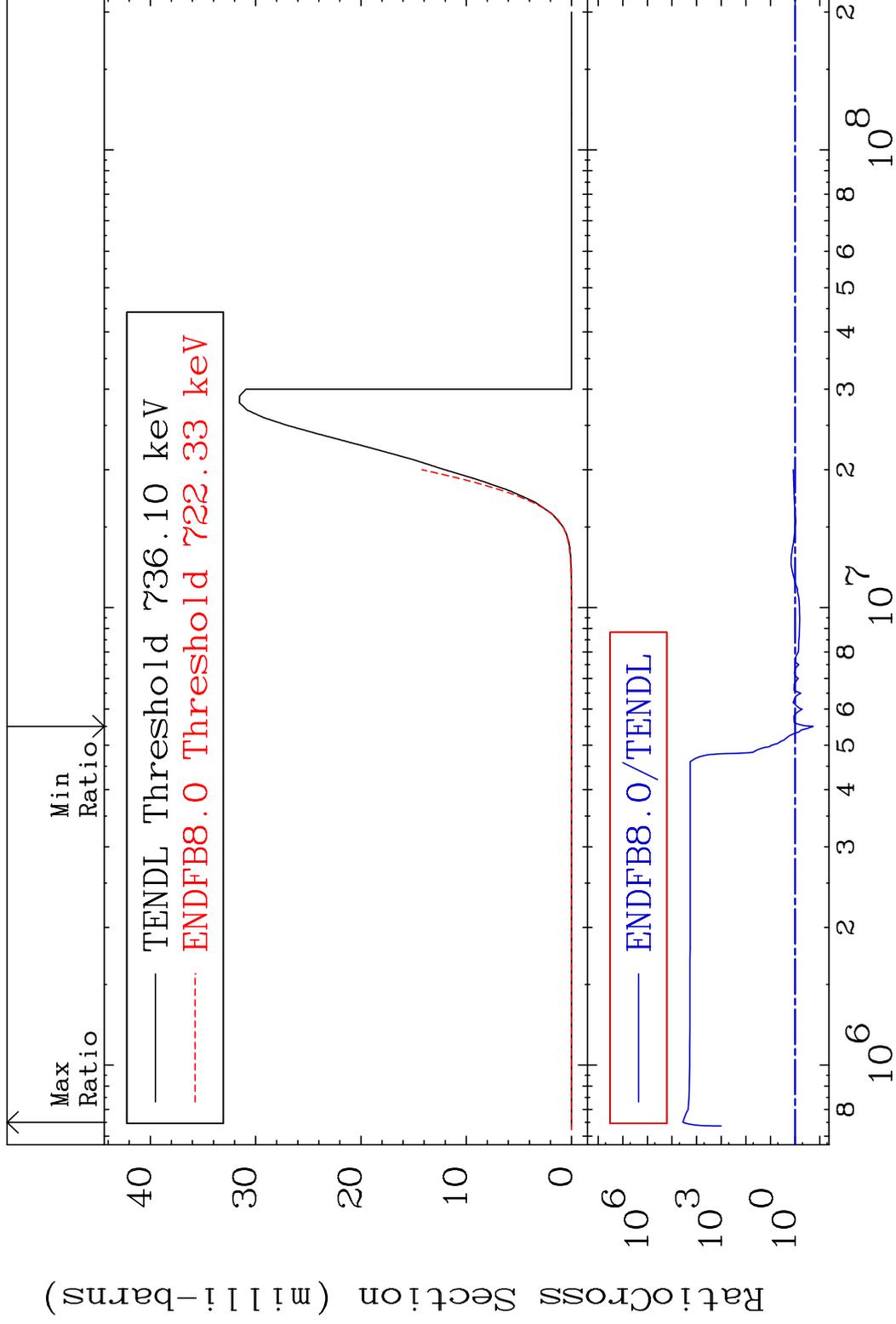
54-Xe-124

MAT 5425

(n, n') α

54-Xe-124

Cross Section -81.52 To 9999. %



6

Incident Energy (eV)

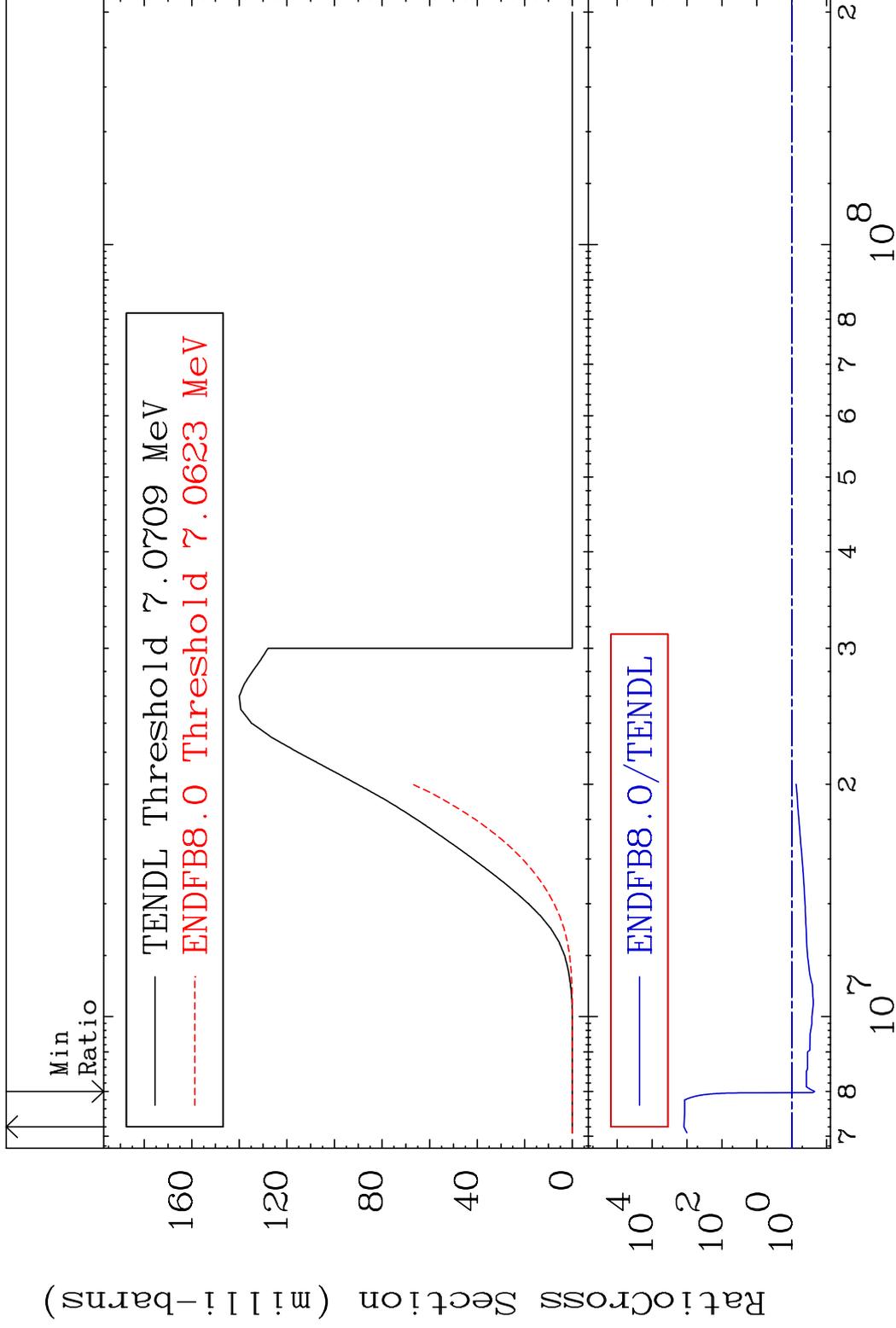
54-Xe-124

MAT 5425

(n, n') p

54-Xe-124

Cross Section -77.96 To 9999. %

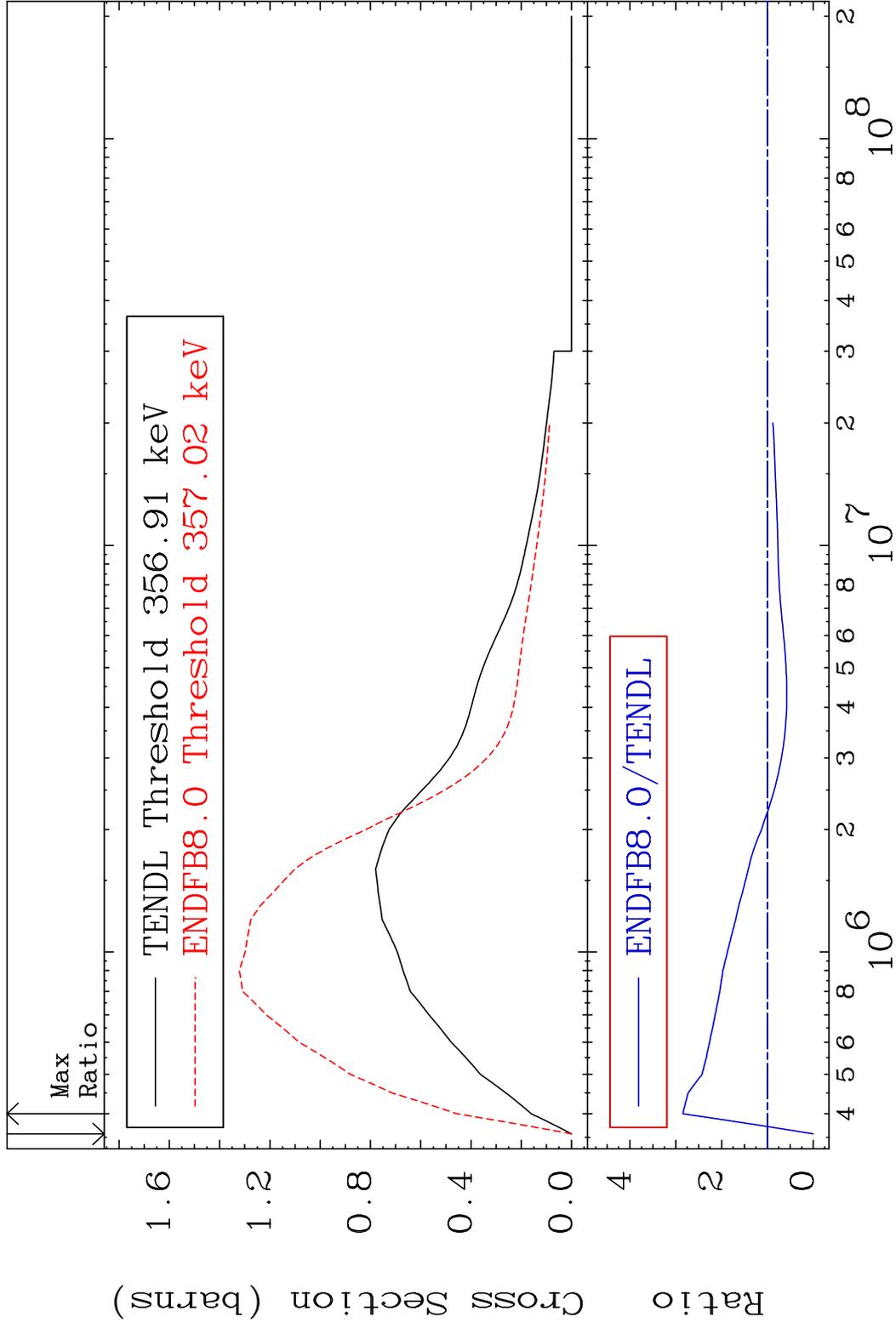


54-Xe-124

Incident Energy (eV)

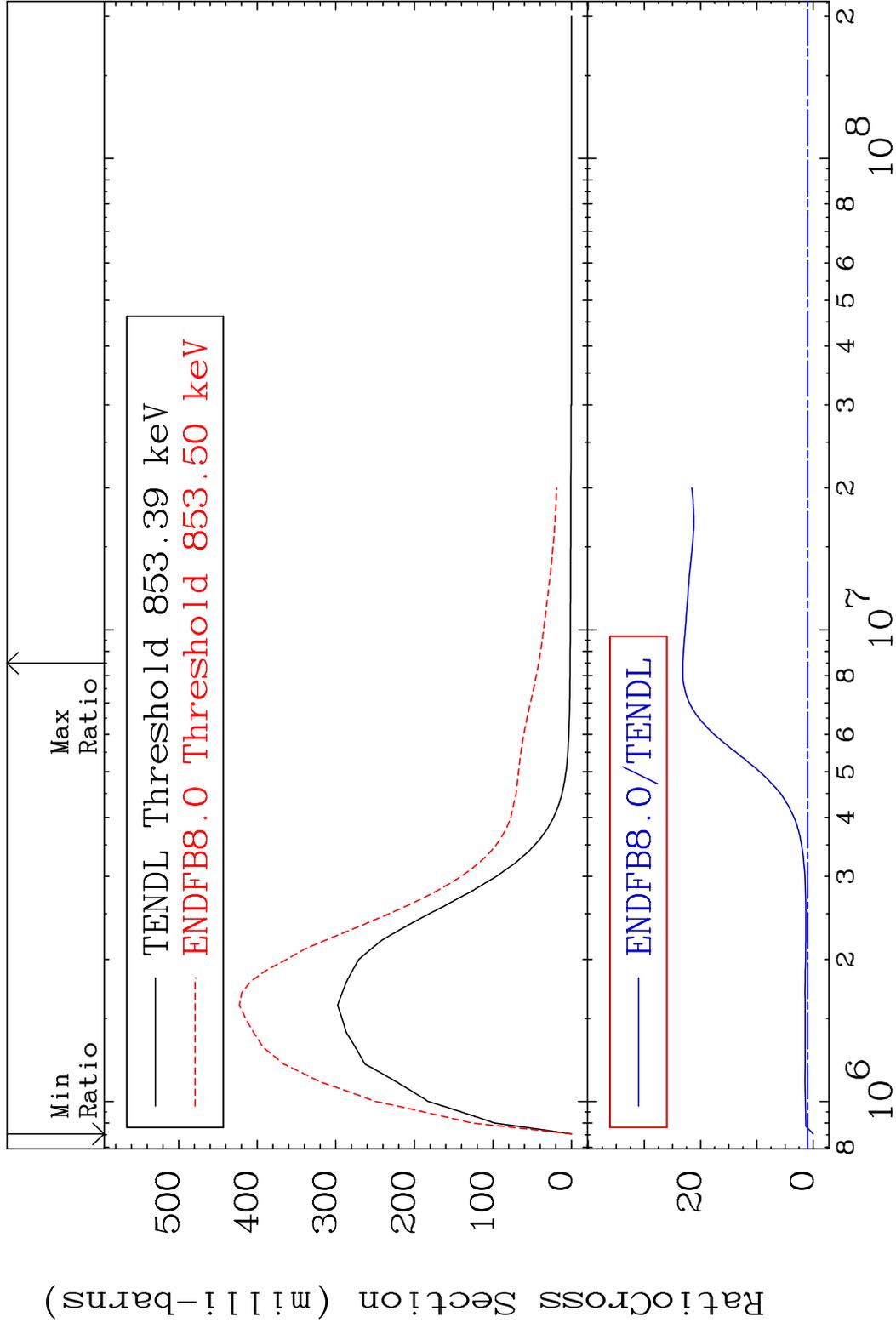
7

MAT 5425 MT= 51 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 184.6 %



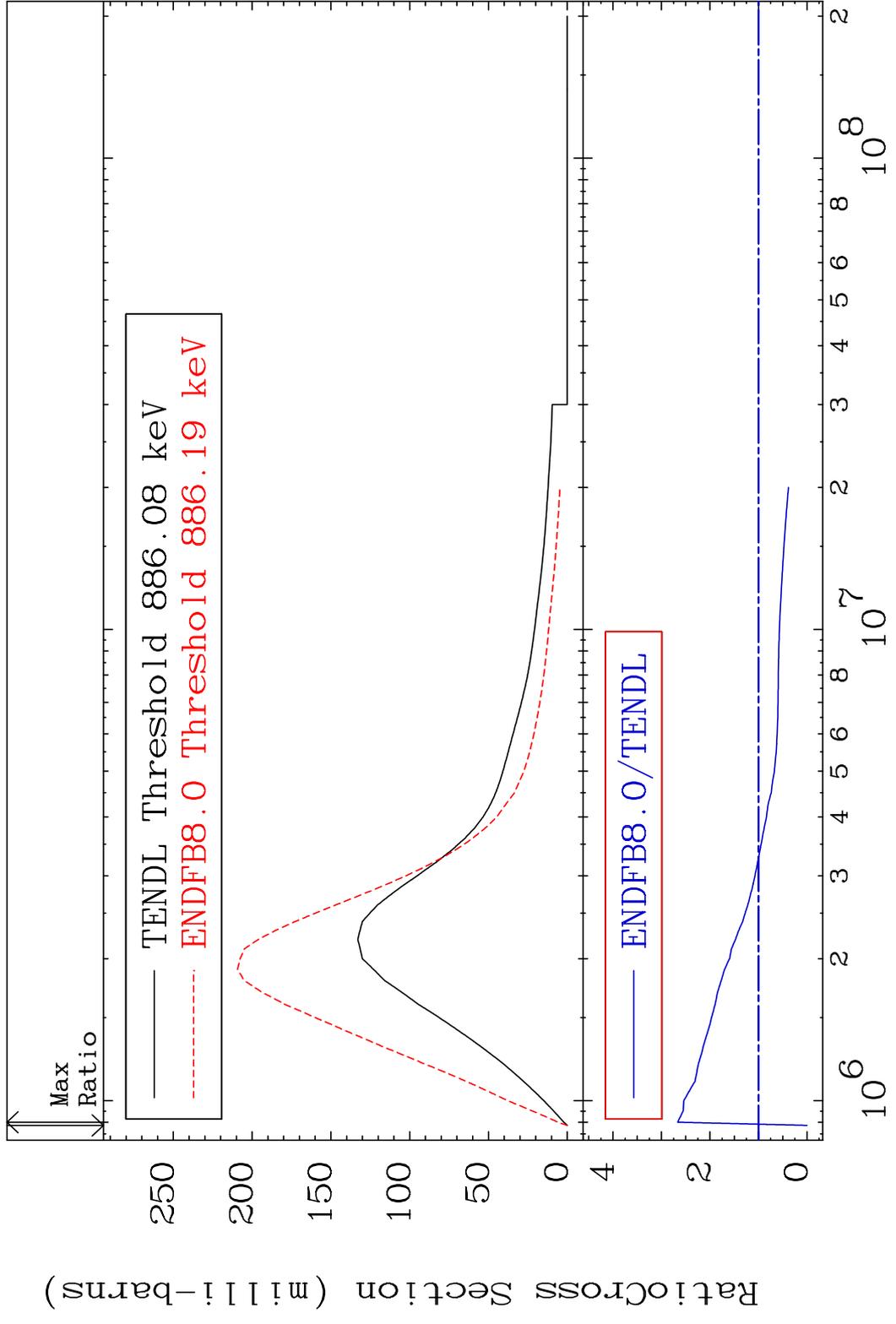
8 Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 52 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 2216. %



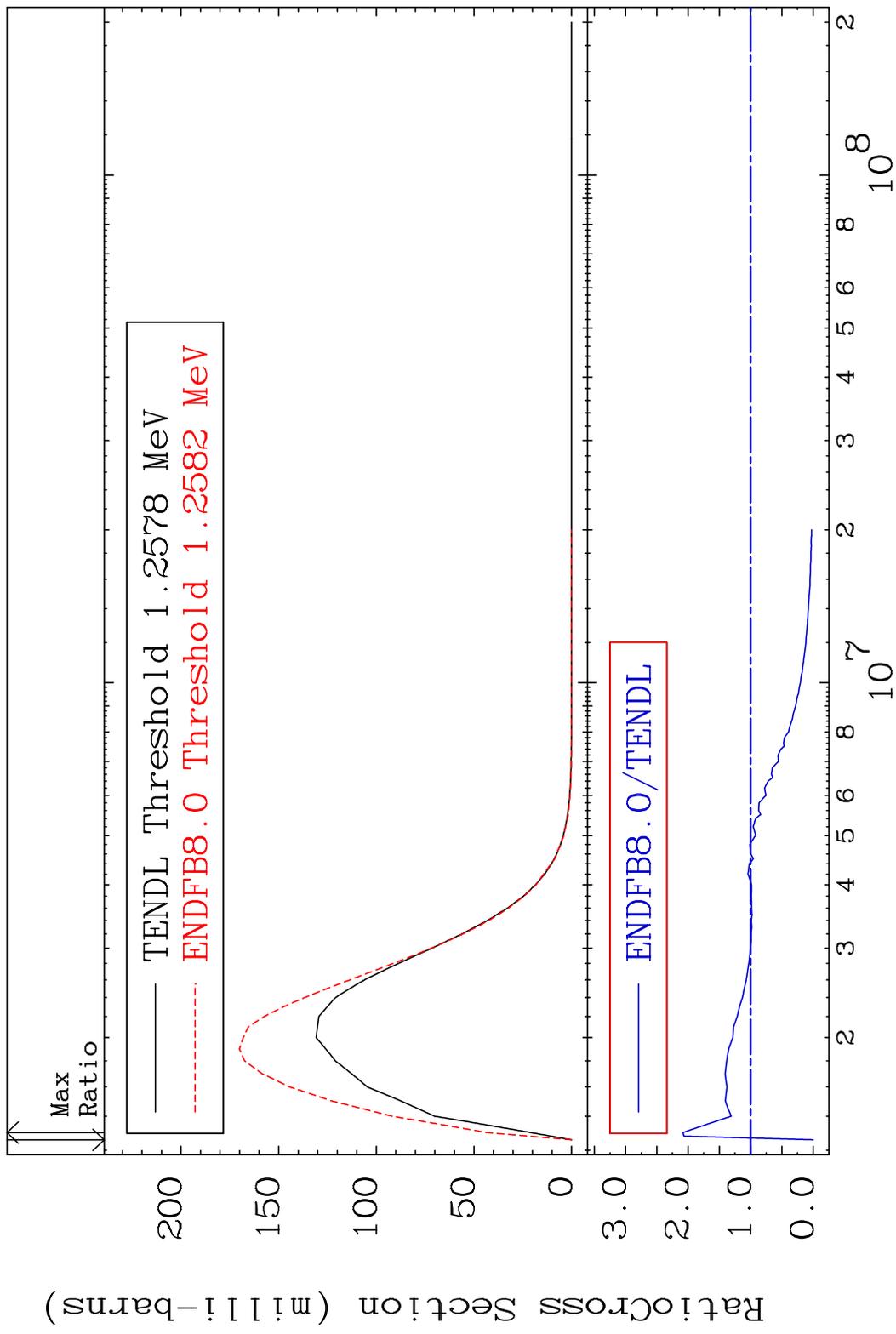
9 Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 53 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 166.6 %

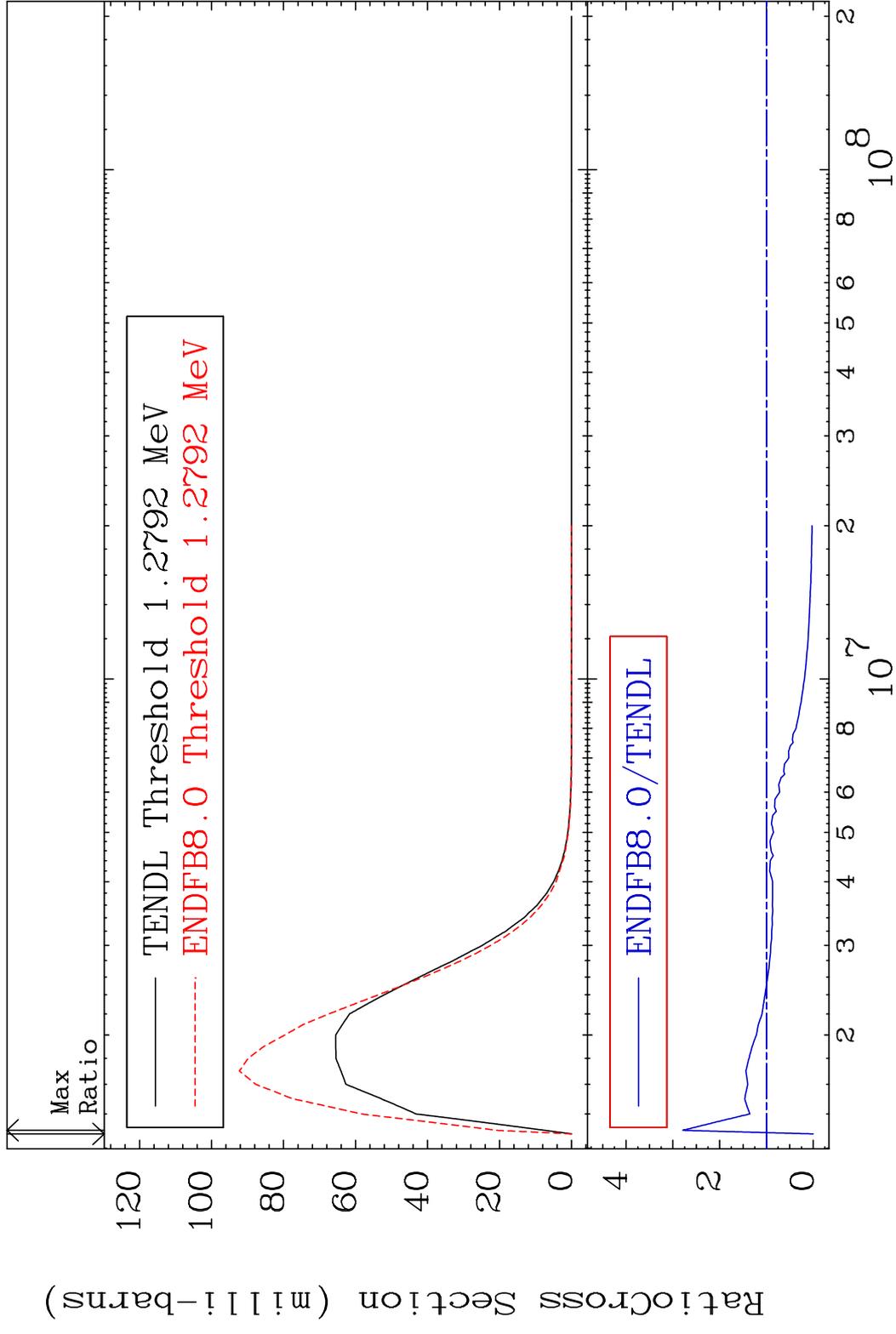


10 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 54-Xe-124

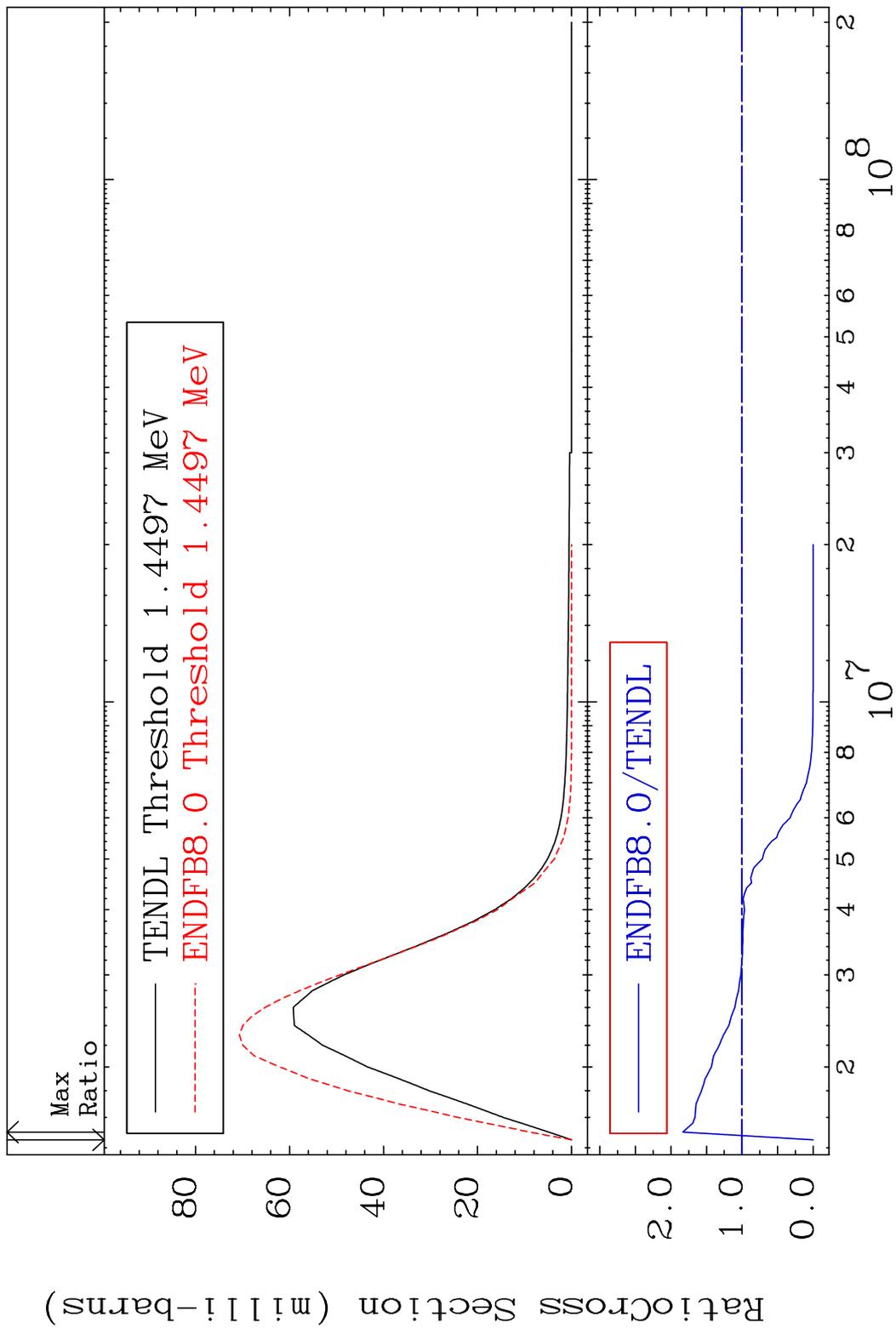
MAT 5425 MT= 54 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 108.4 %



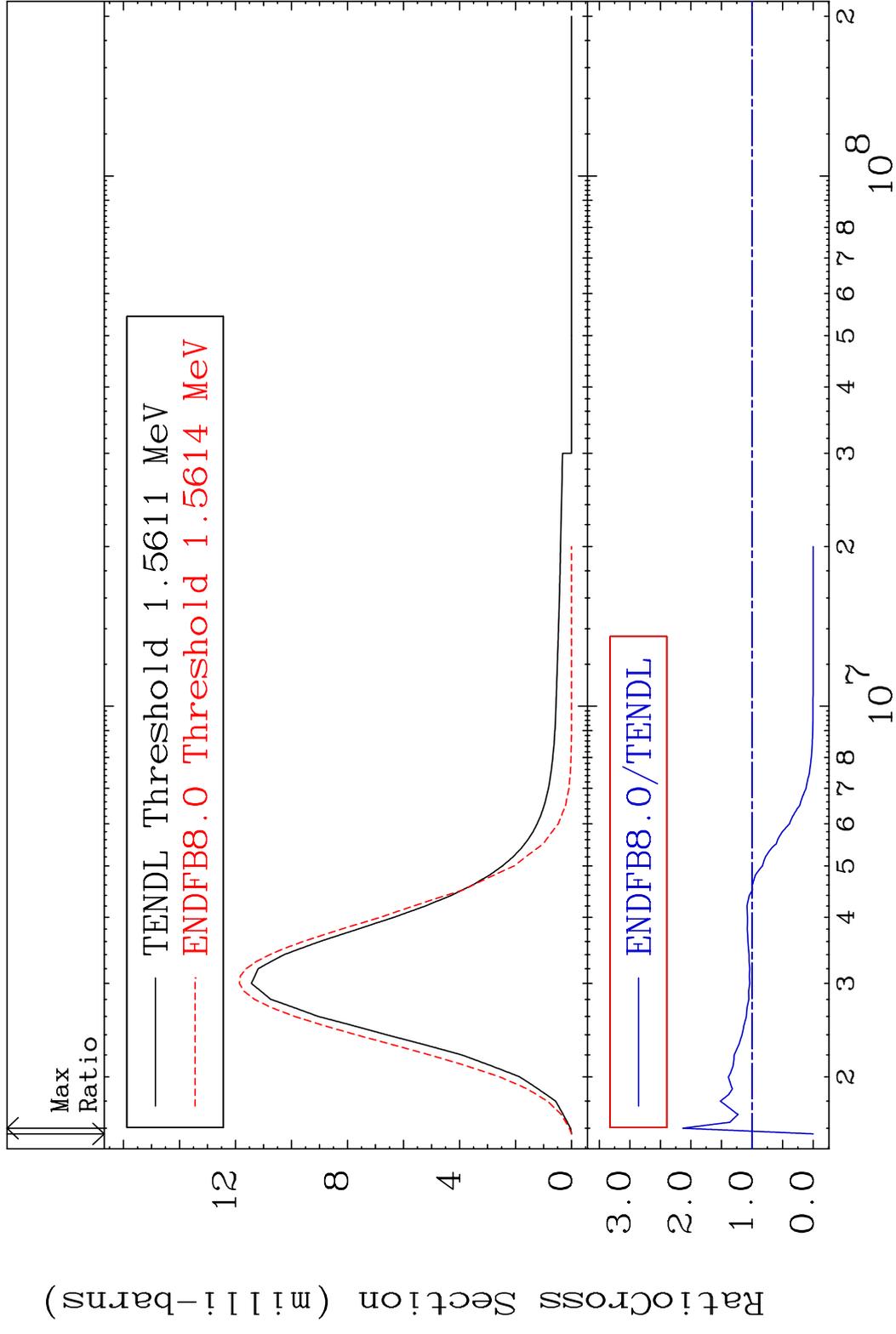
MAT 5425 MT= 55 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 178.7 %



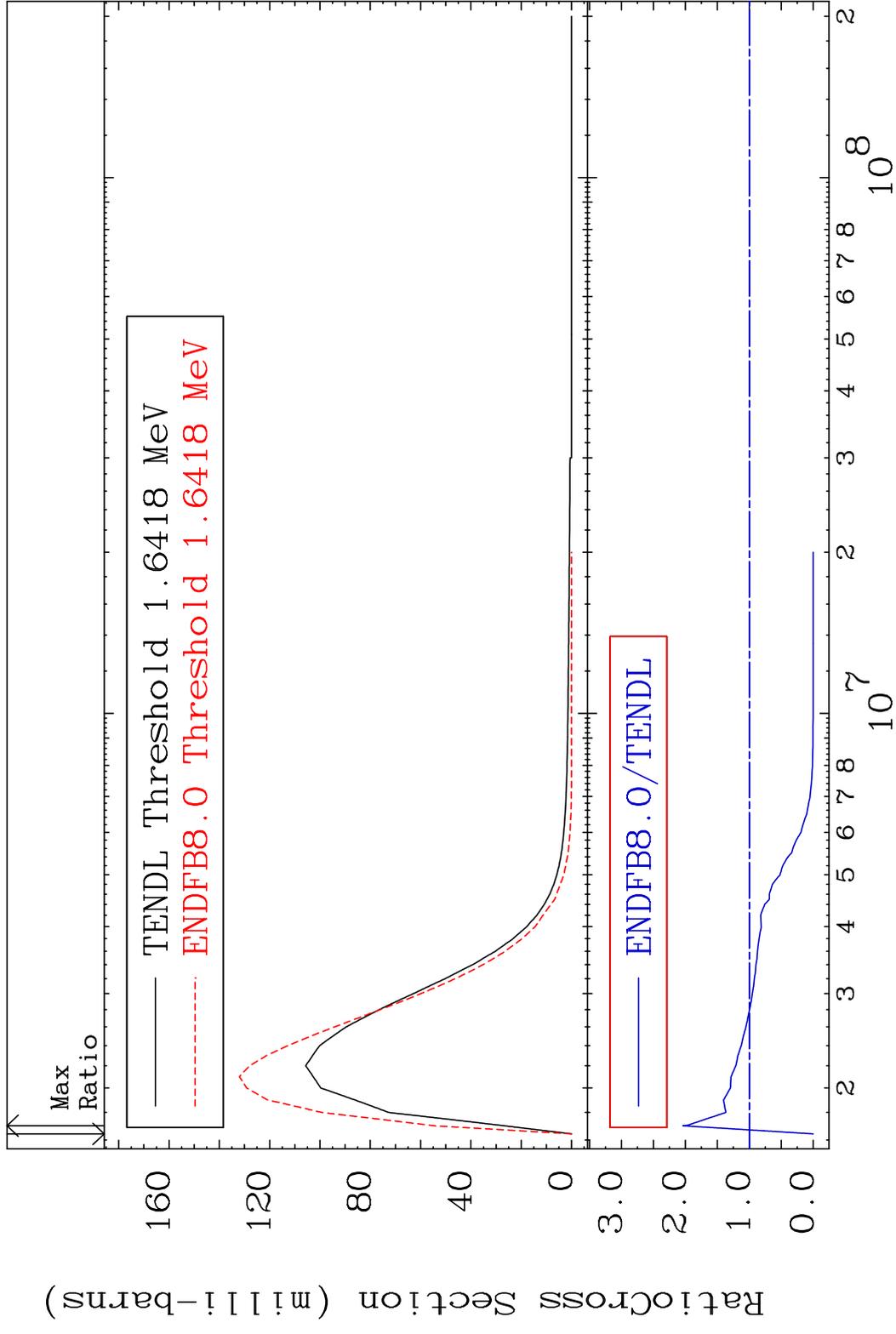
MAT 5425 MT= 56 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 83.28 %



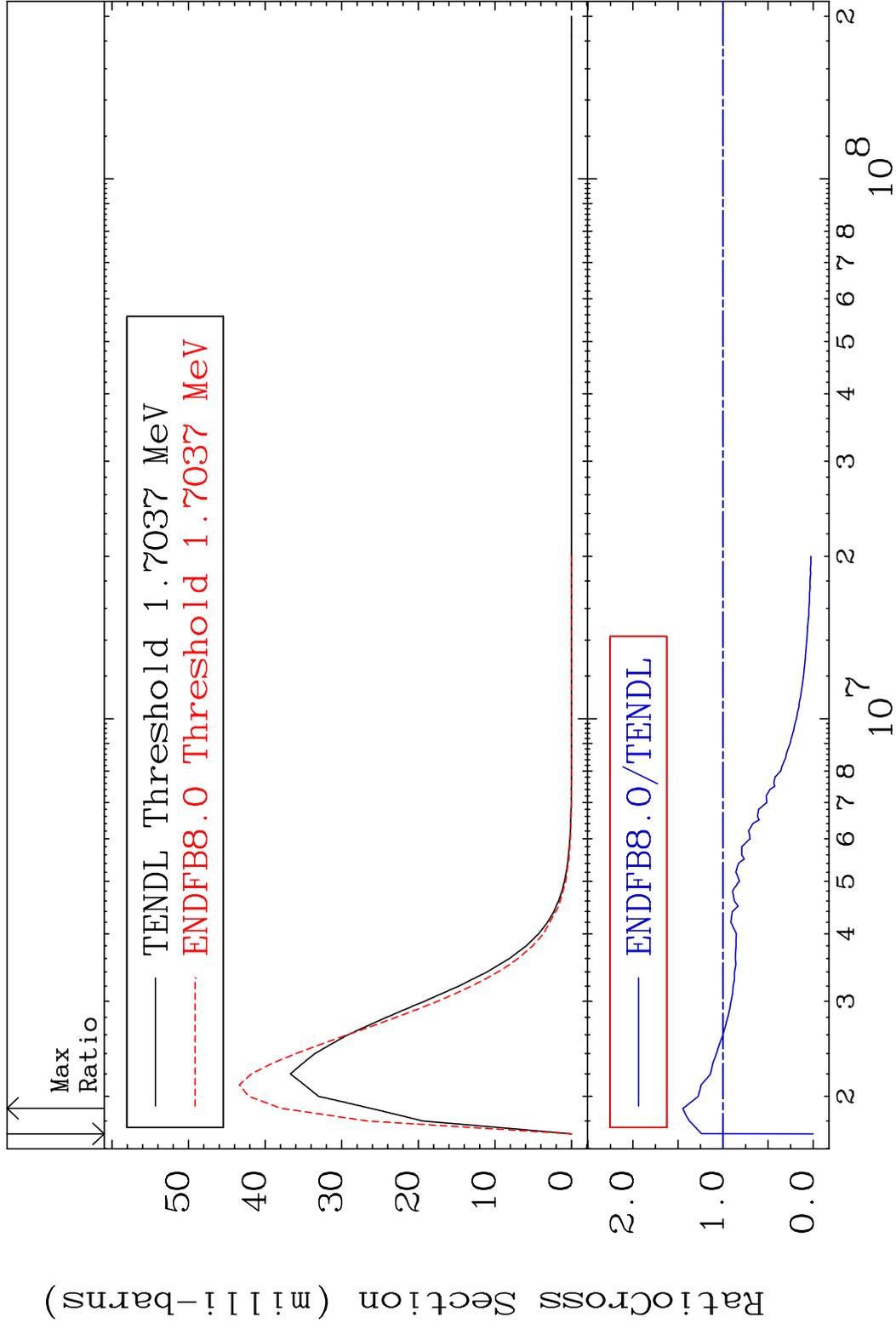
MAT 5425 MT= 57 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 113.3 %



MAT 5425 MT= 58 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 104.0 %



MAT 5425 MT= 59 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 44.65 %

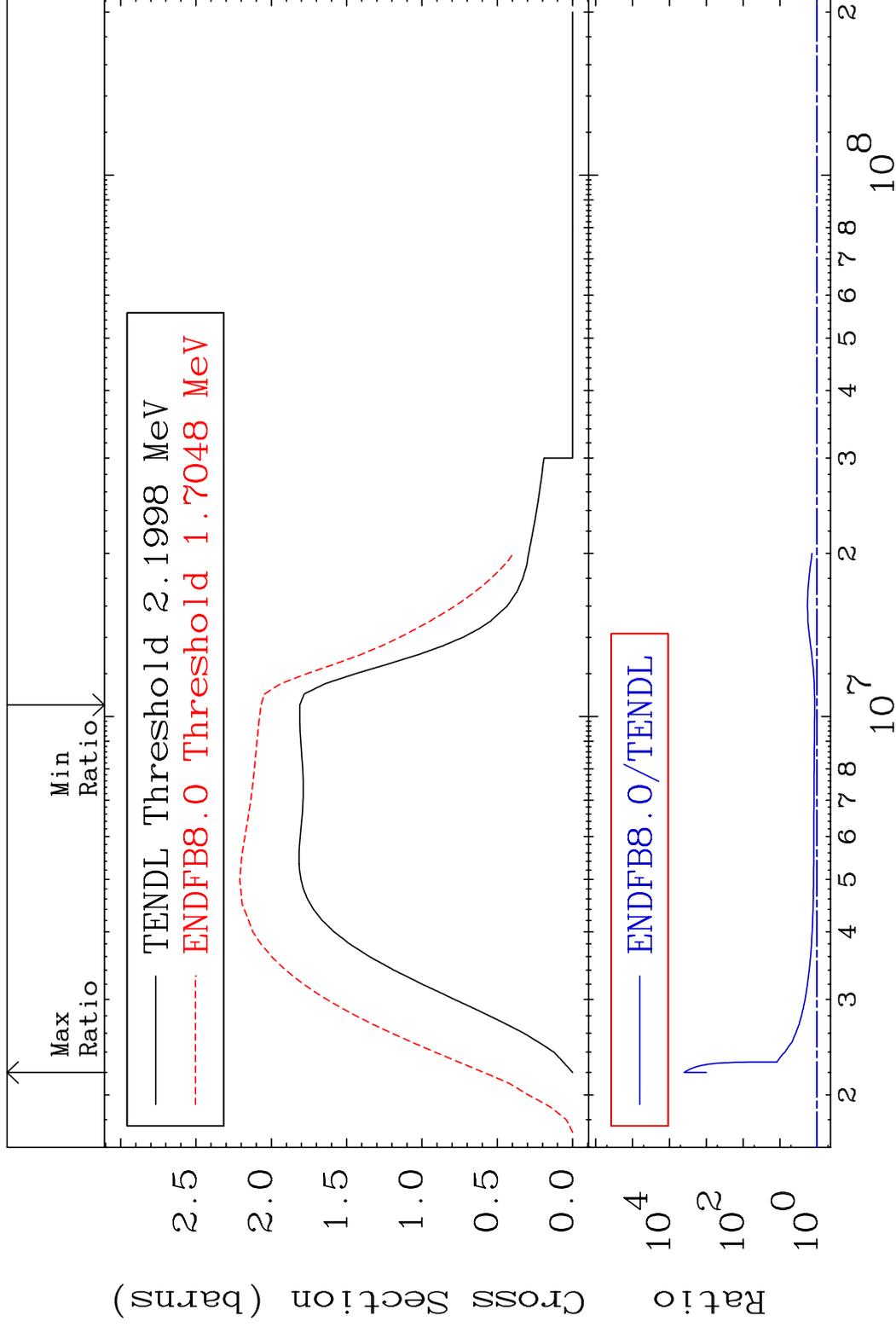


MAT 5425

(n, n') Continuum

54-Xe-124

Cross Section 14.23 To 9999. %

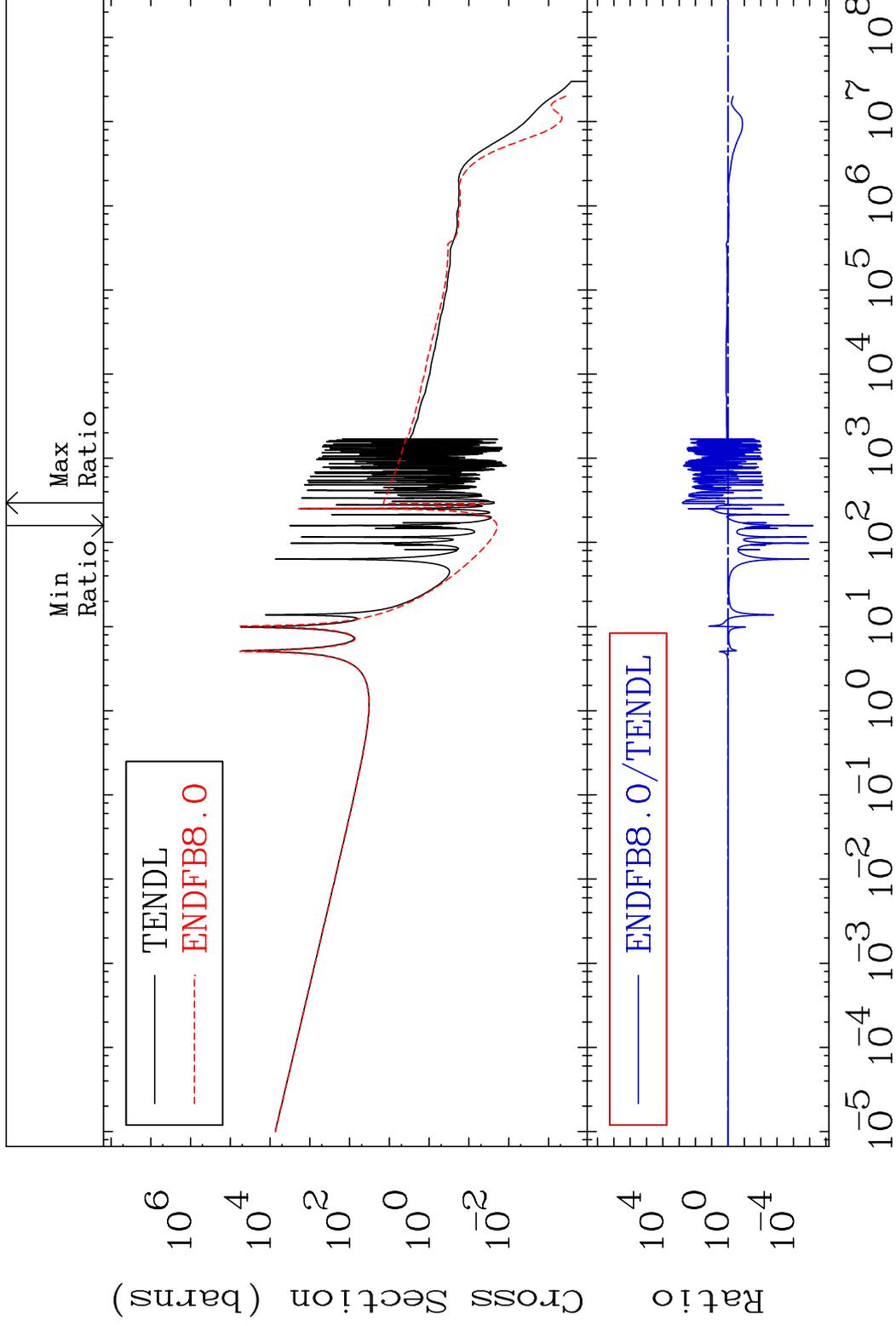


MAT 5425

(n, γ)

54-Xe-124

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

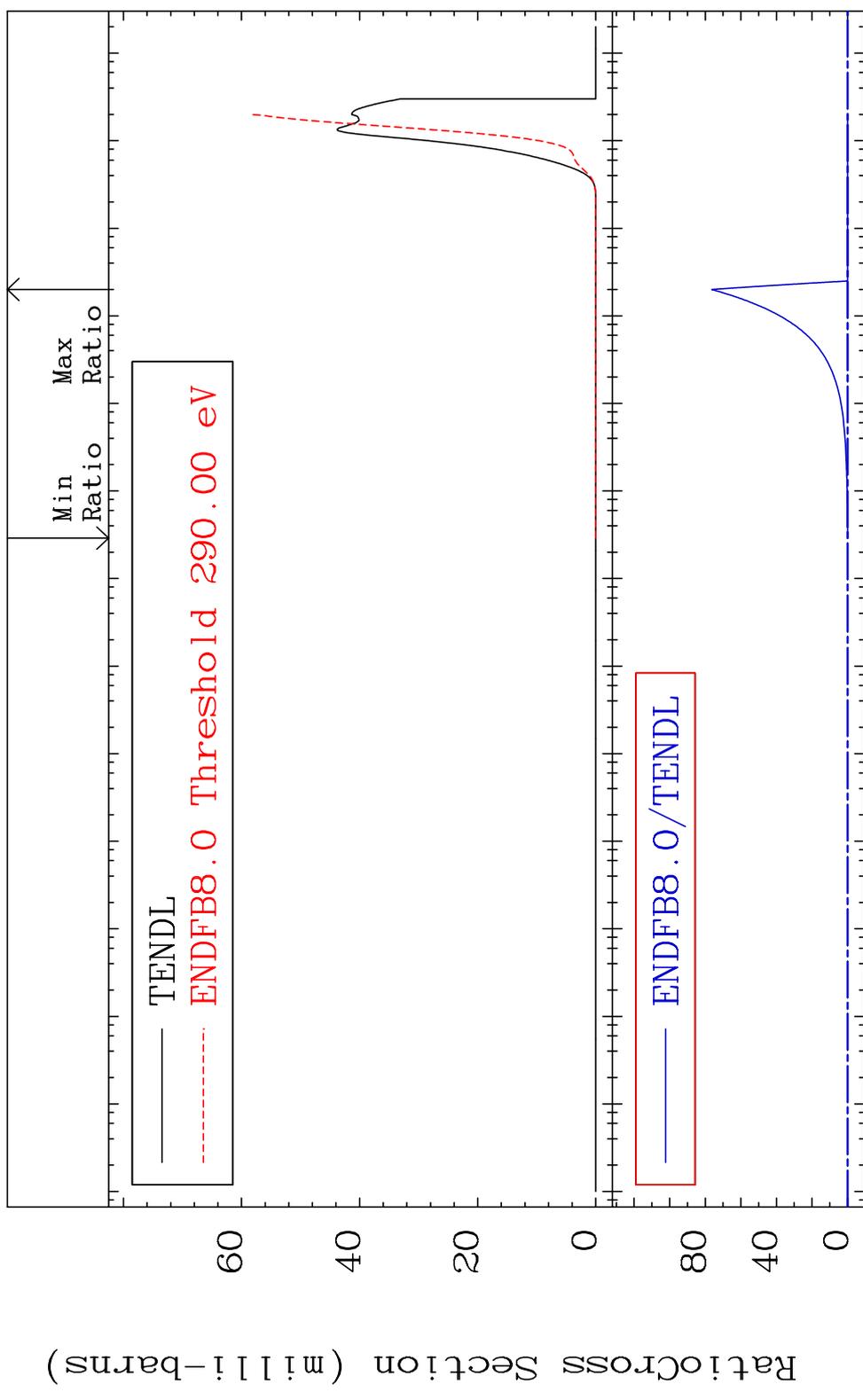
54-Xe-124

MAT 5425

(n, p)

54-Xe-124

Cross Section -100.0 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

19

Incident Energy (eV)

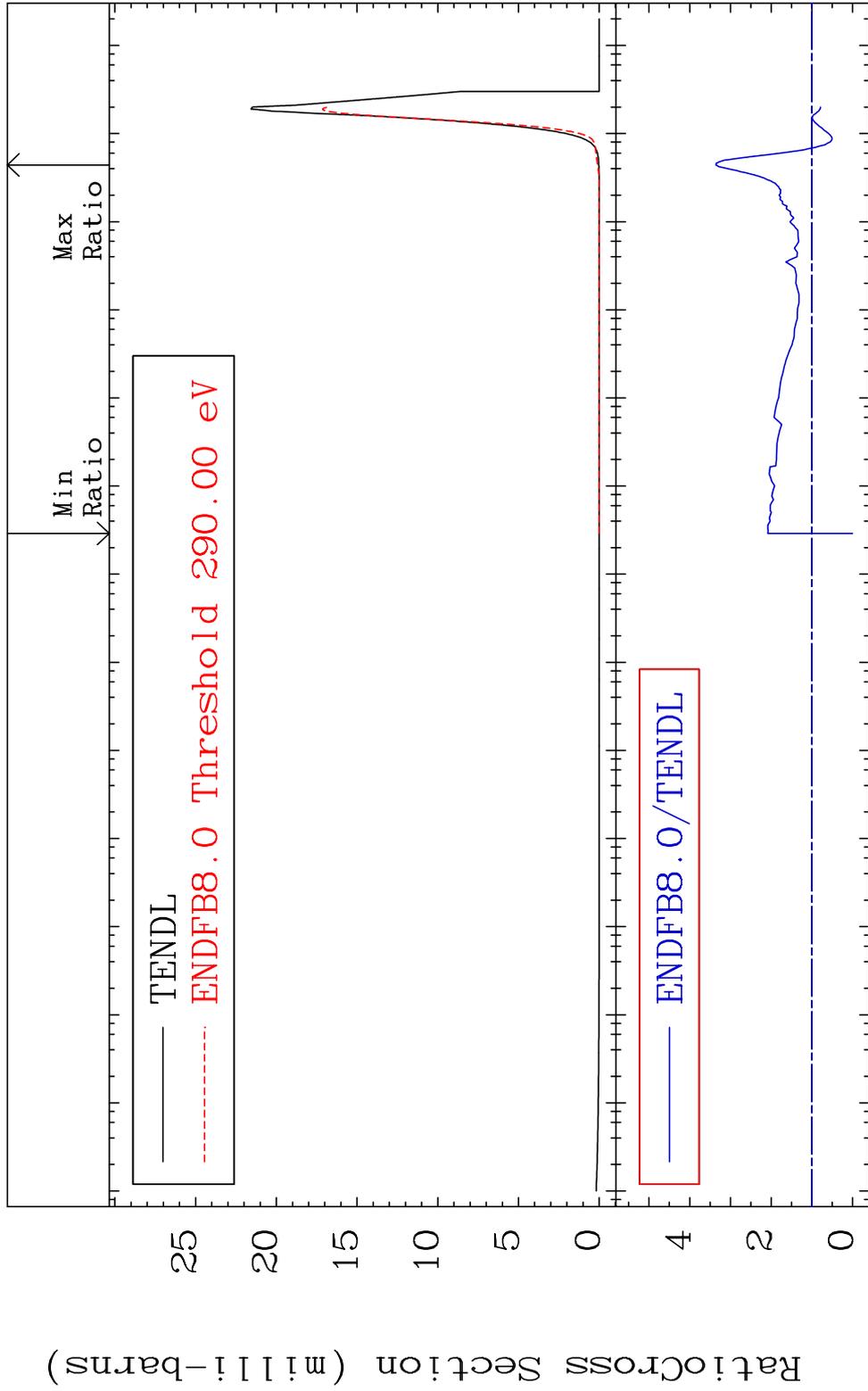
54-Xe-124

MAT 5425

(n, α)

54-Xe-124

Cross Section -100.0 To 235.7 %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

20

Incident Energy (eV)

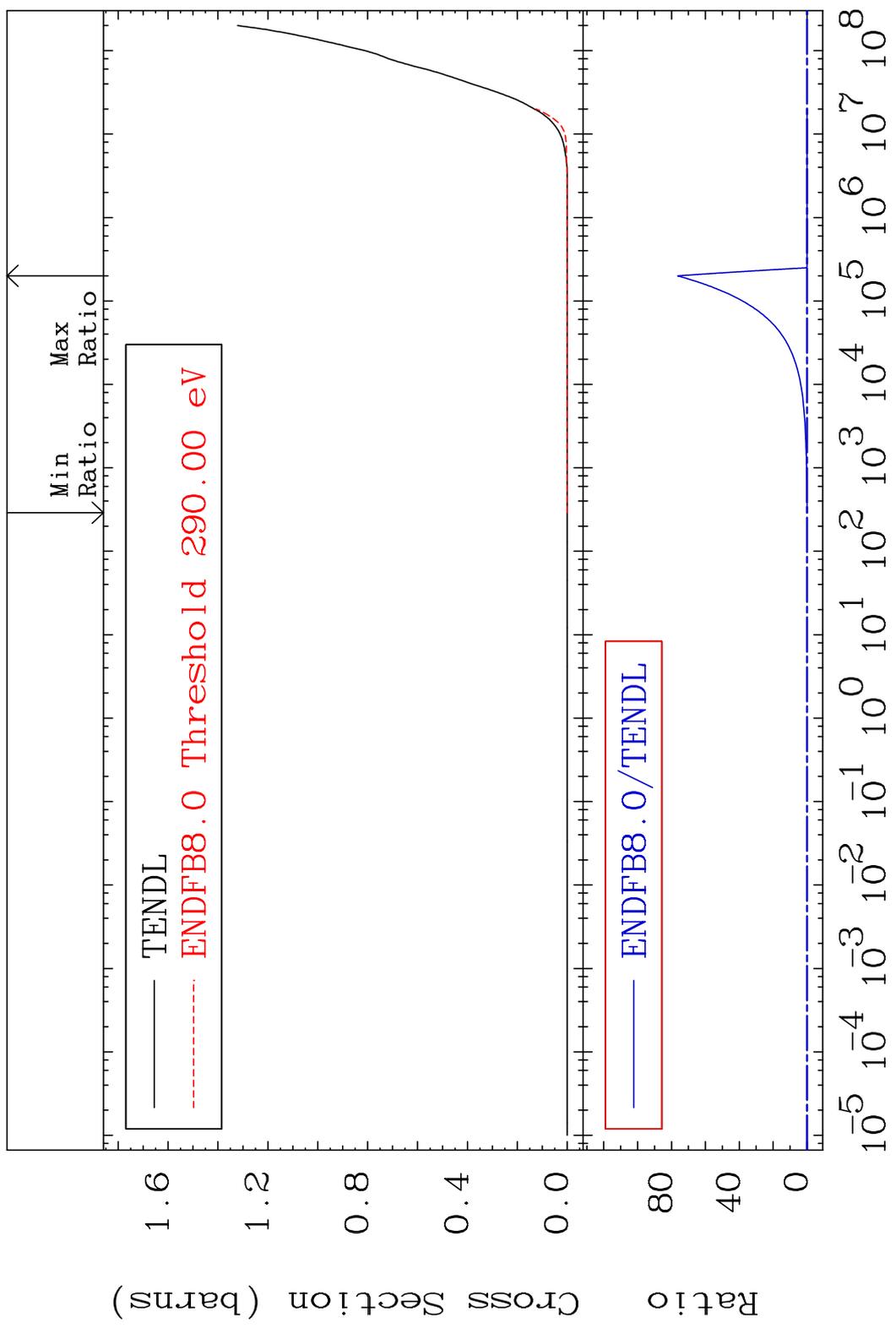
54-Xe-124

MAT 5425

Hydrogen Production

54-Xe-124

Cross Section -100.0 To 9999. %

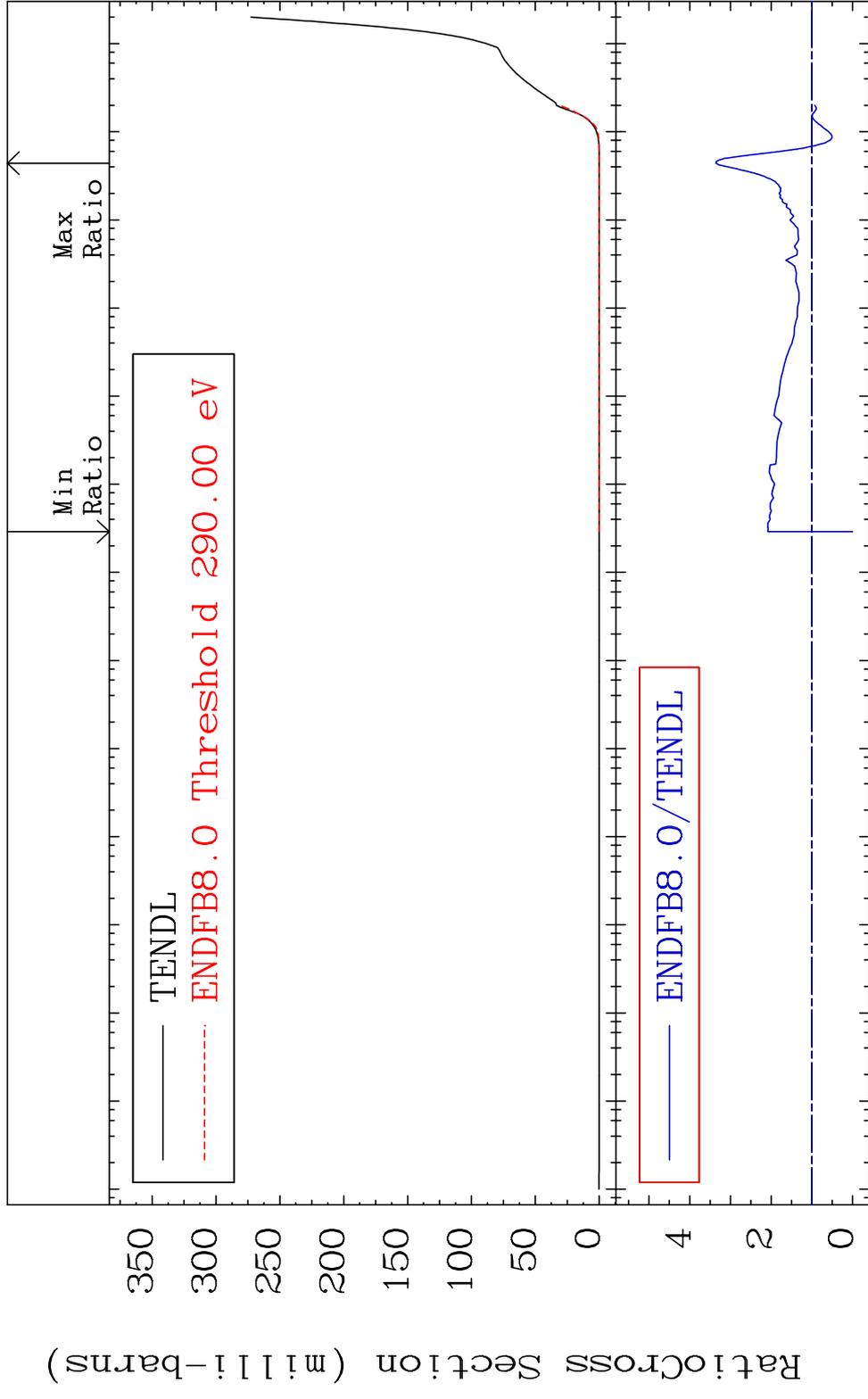


MAT 5425

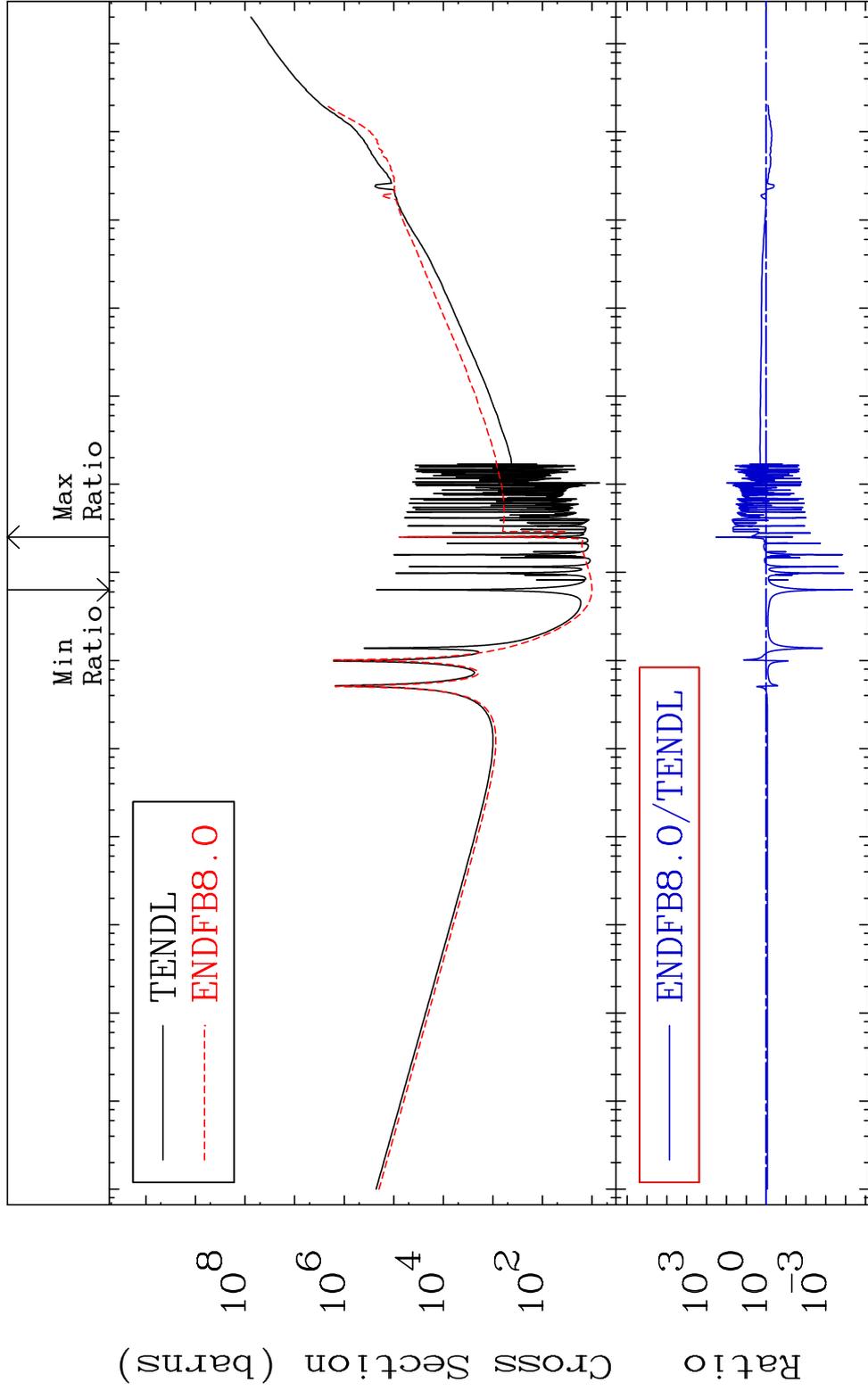
He-4 Production

54-Xe-124

Cross Section -100.0 To 235.7 %



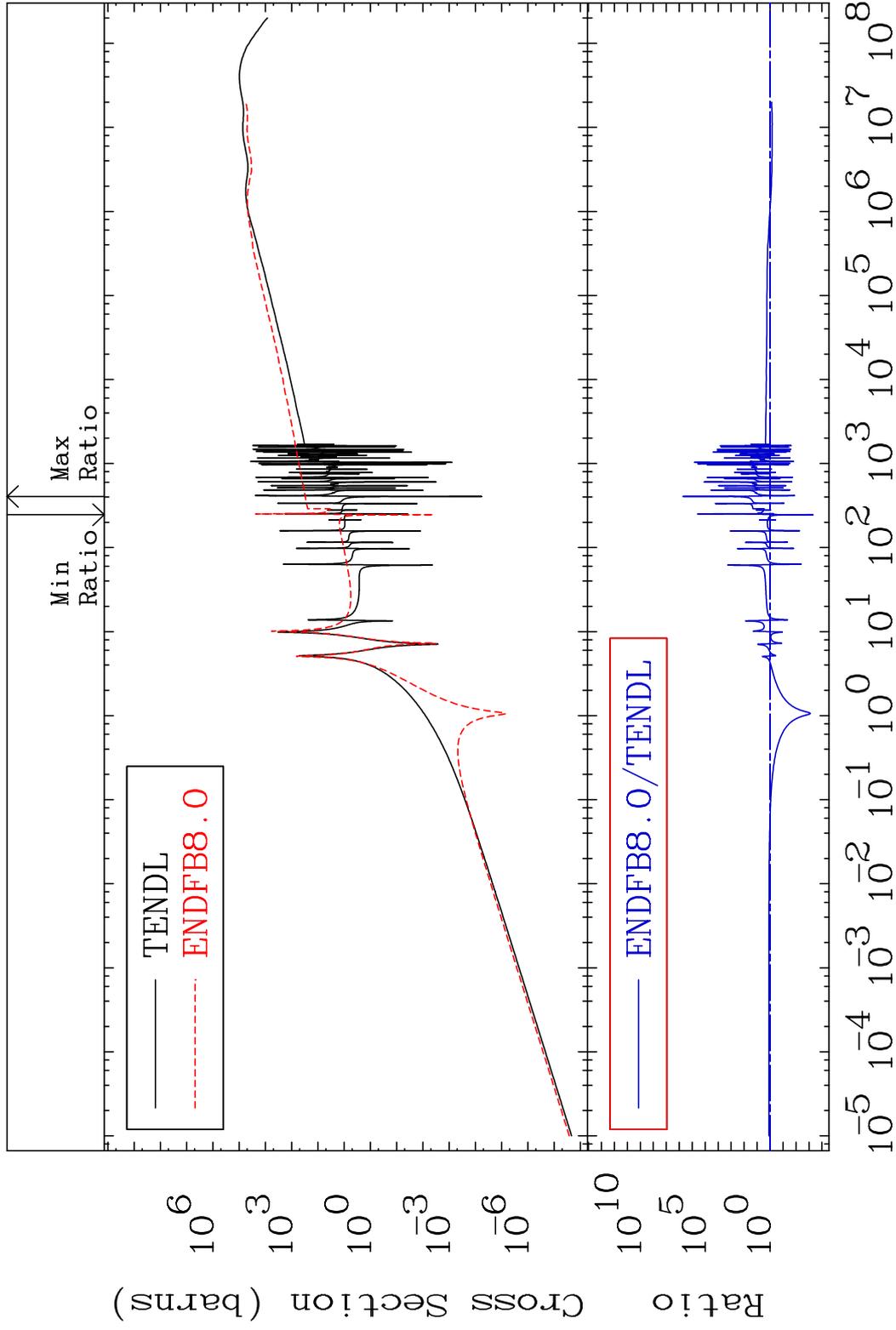
MAT 5425 Kerma total (eV-barns) 54-Xe-124
 Cross Section -100.0 To 9999. %



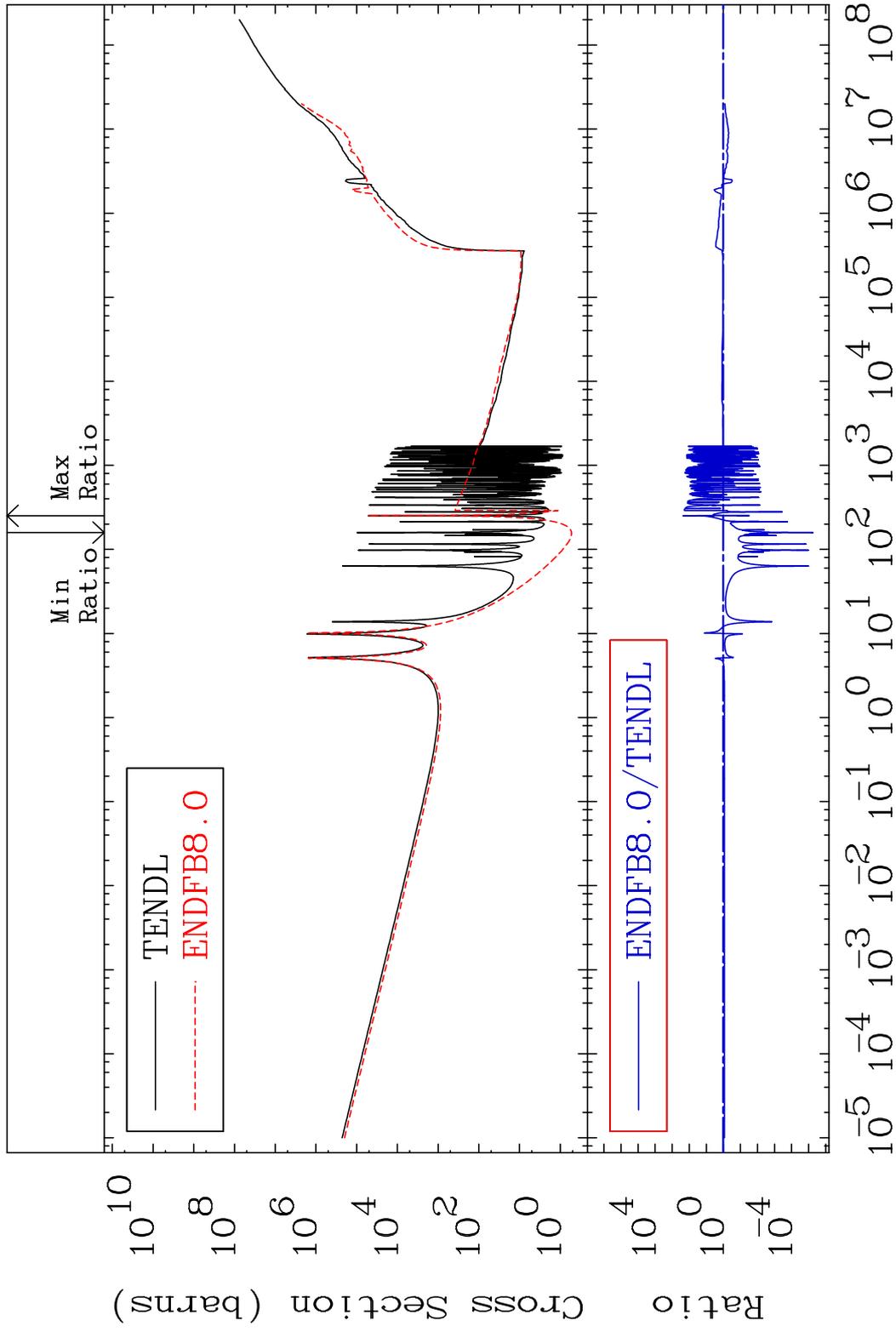
MAT 5425

Kerma elastic
Cross Section -99.95 To 9999. %

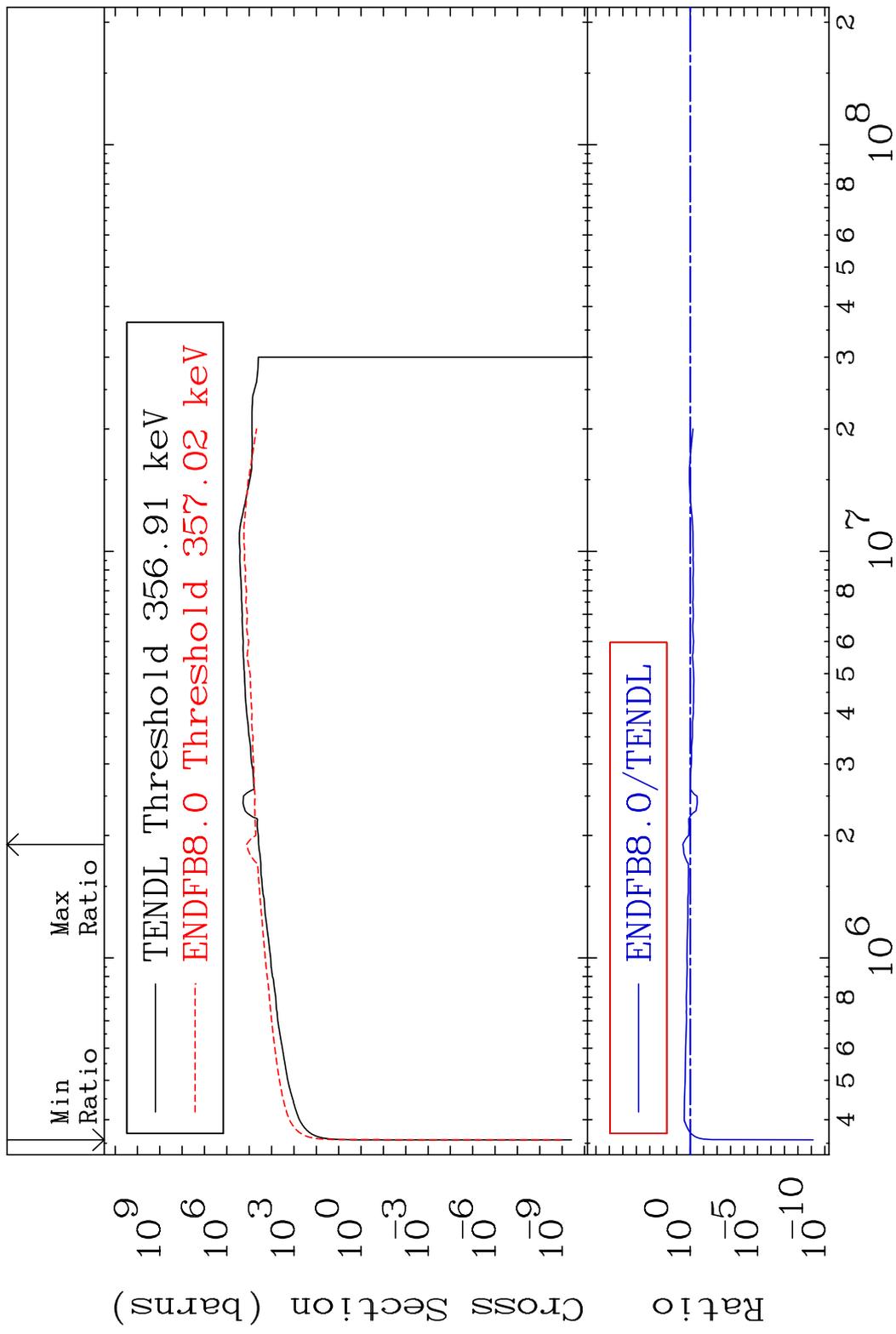
54-Xe-124



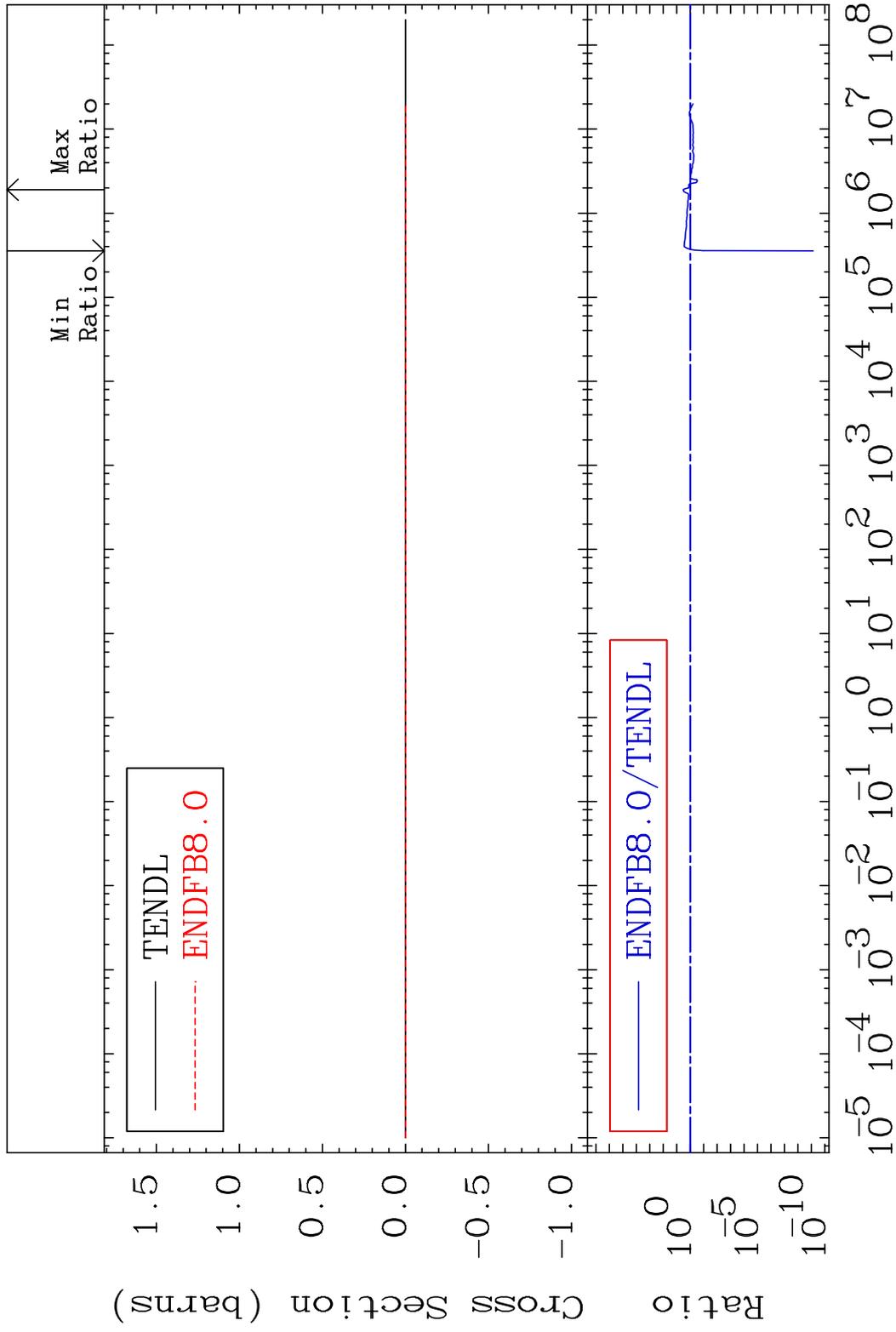
MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124
 Cross Section -100.0 To 9999. %



MAT 5425 Kerma inelastic (mt51-91) 54-Xe-124
 Cross Section -100.0 To 254.1 %

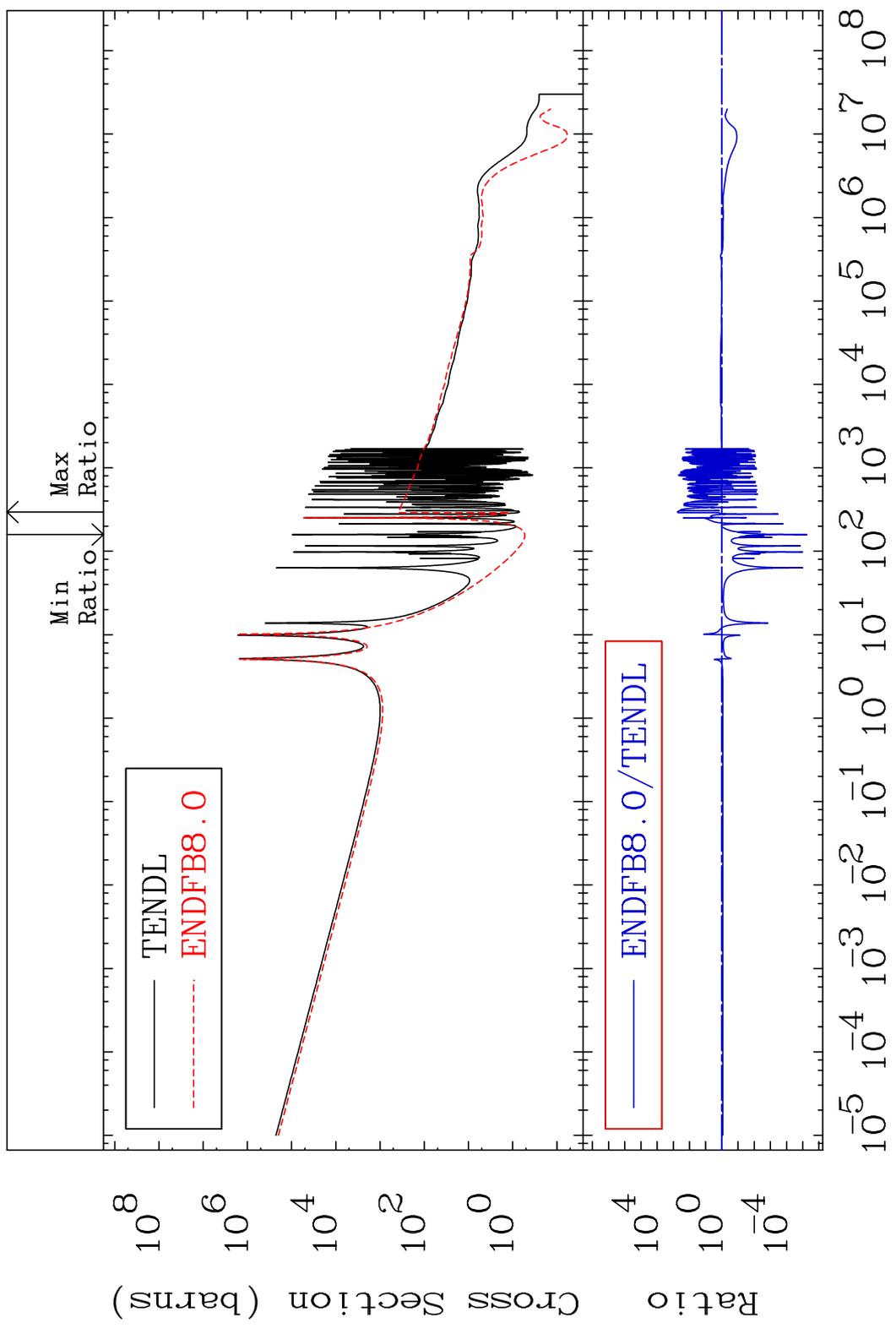


MAT 5425 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-124
 Cross Section -100.0 To 254.1 %

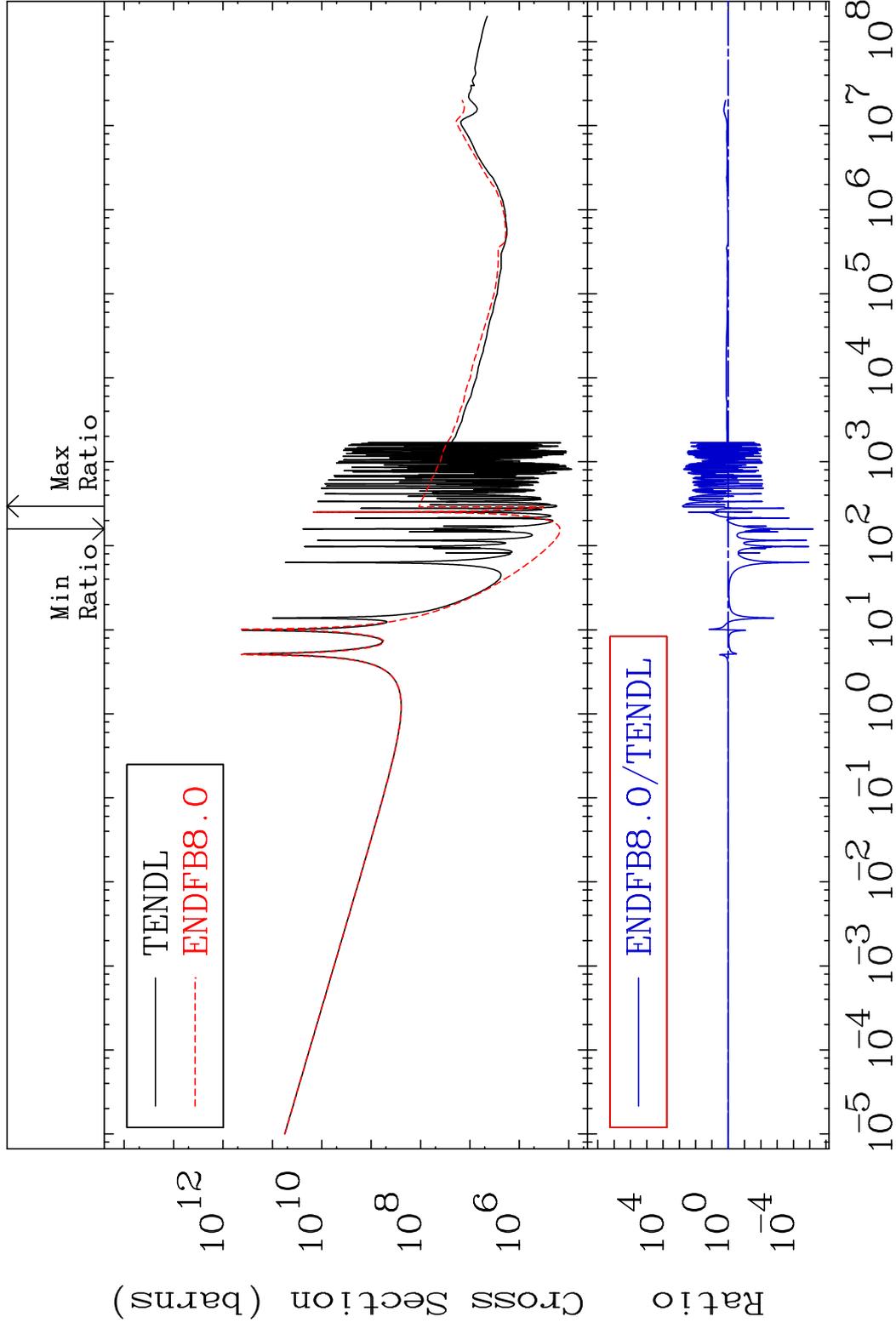


MAT 5425

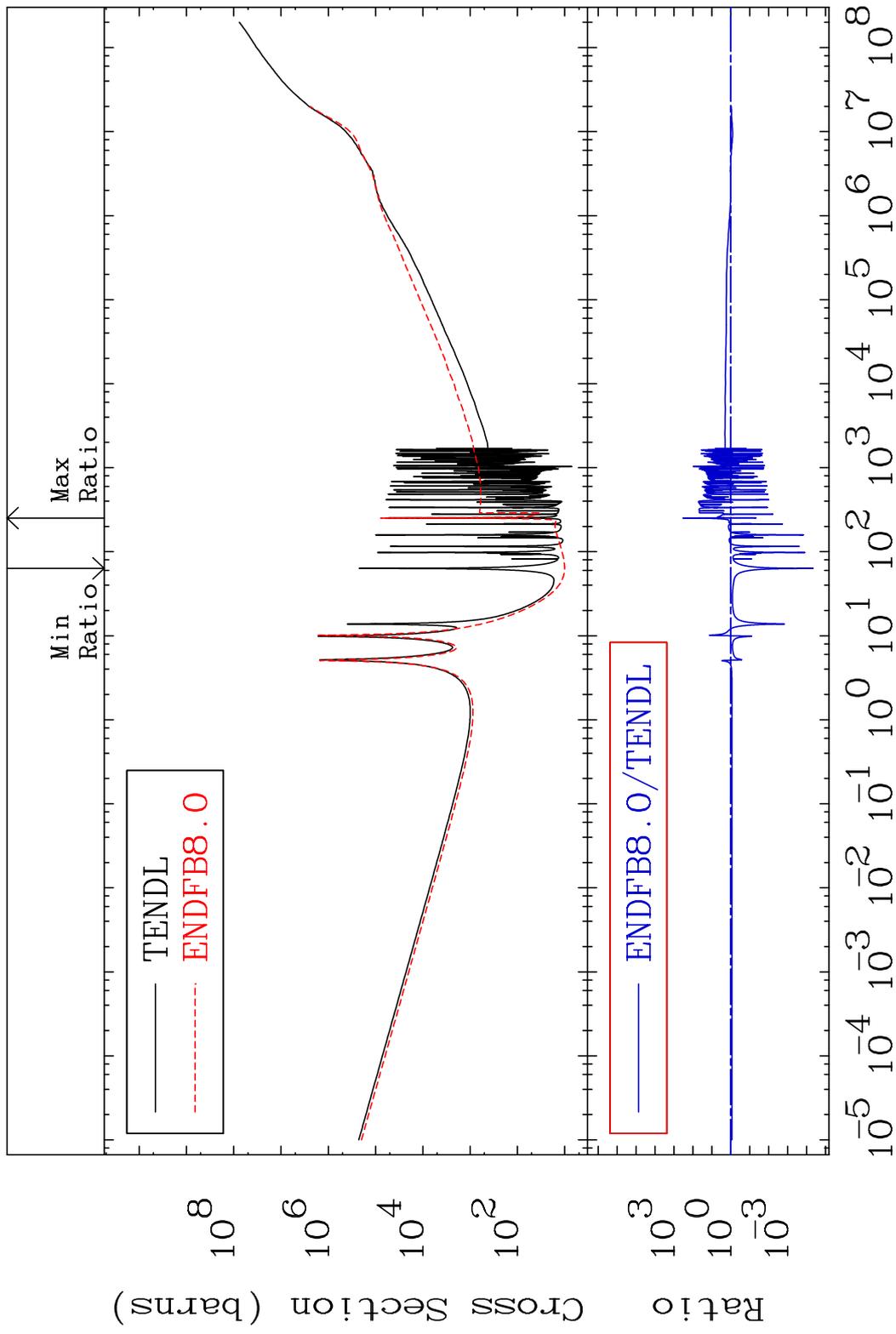
Kerma capture (mt102) 54-Xe-124
Cross Section -100.0 To 9999. %



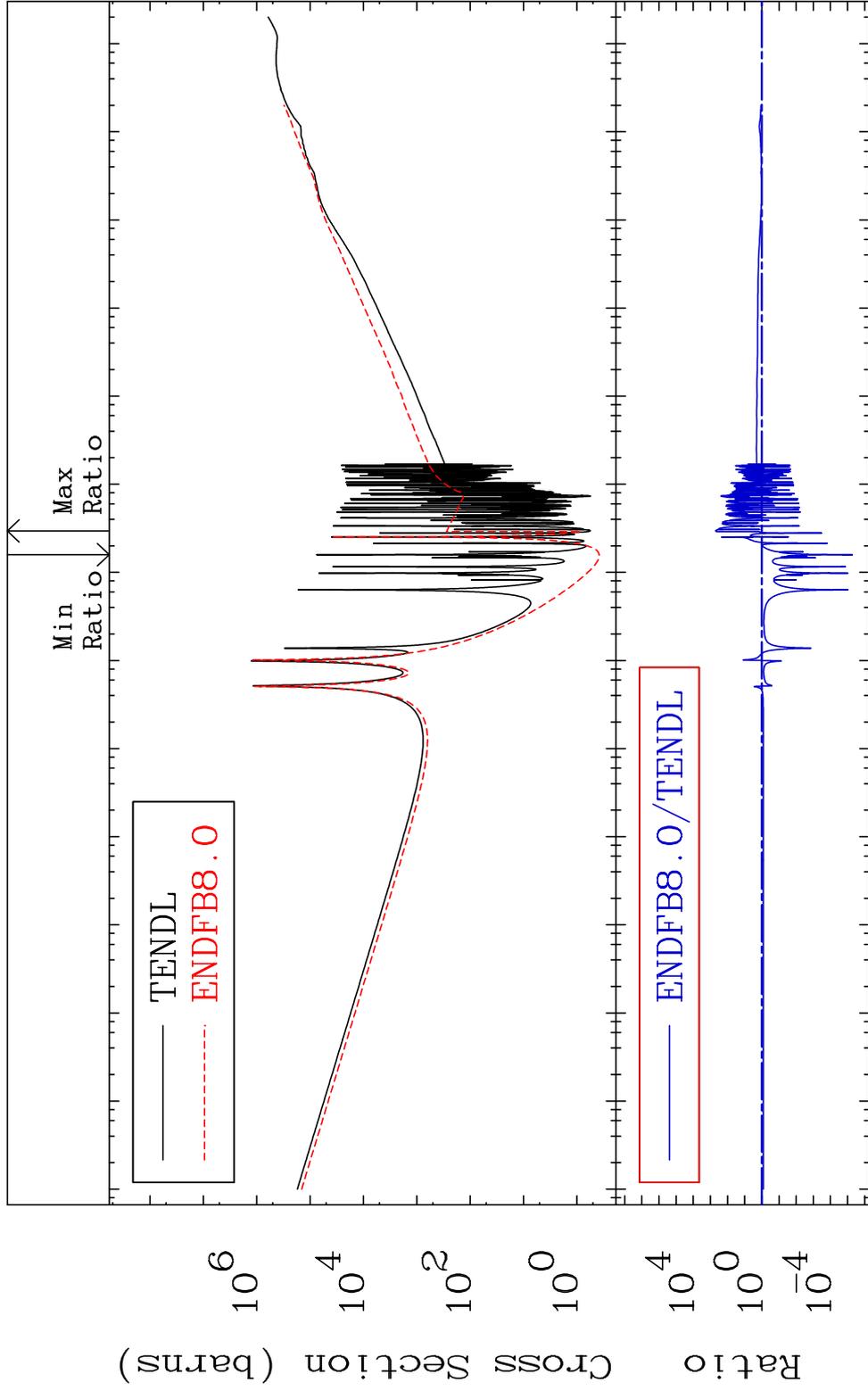
MAT 5425 Total photon (eV-barns) 54-Xe-124
 Cross Section -100.0 To 9999. %



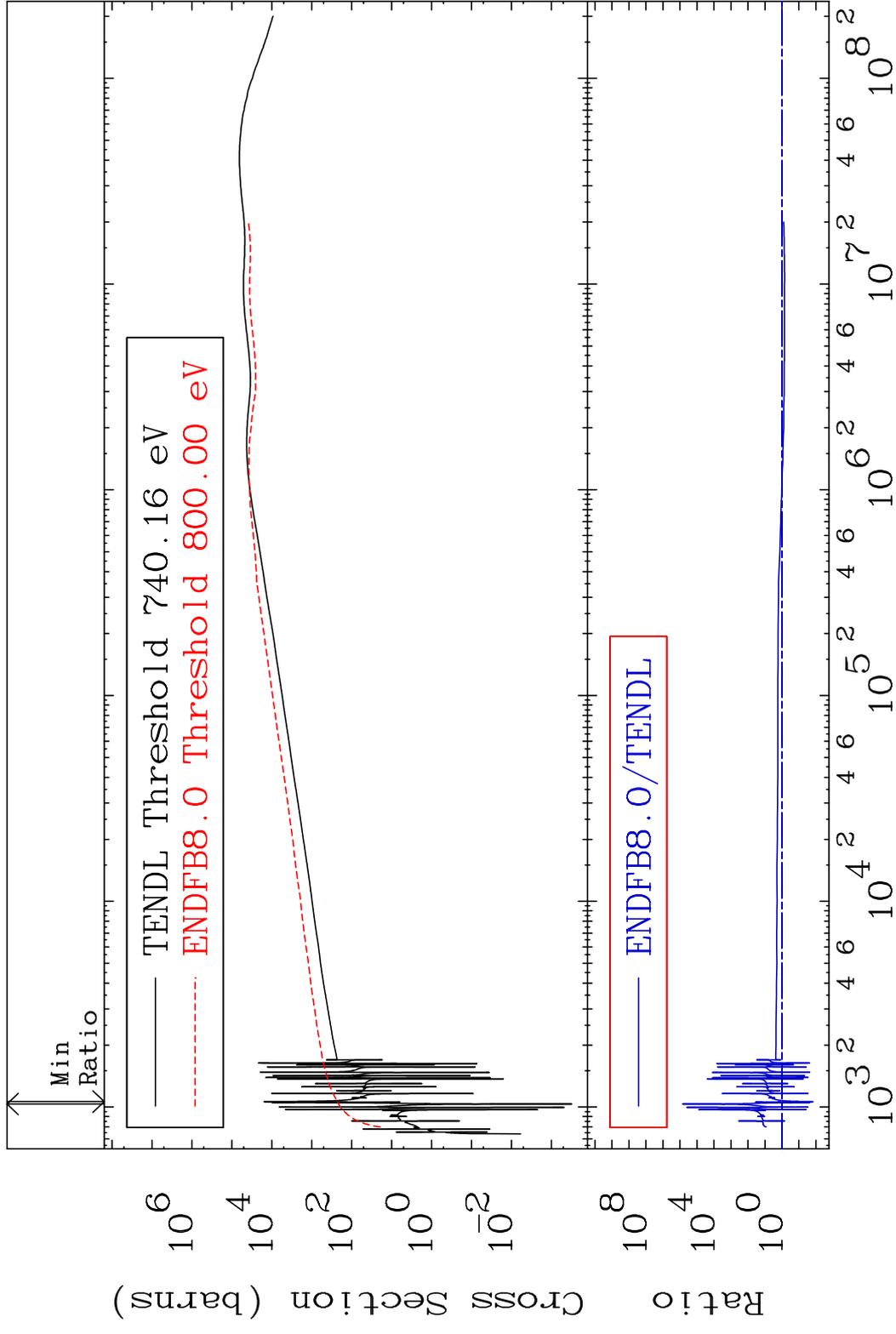
MAT 5425 Total kinematic kerma (high limit) 54-Xe-124
 Cross Section -100.0 To 9999. %



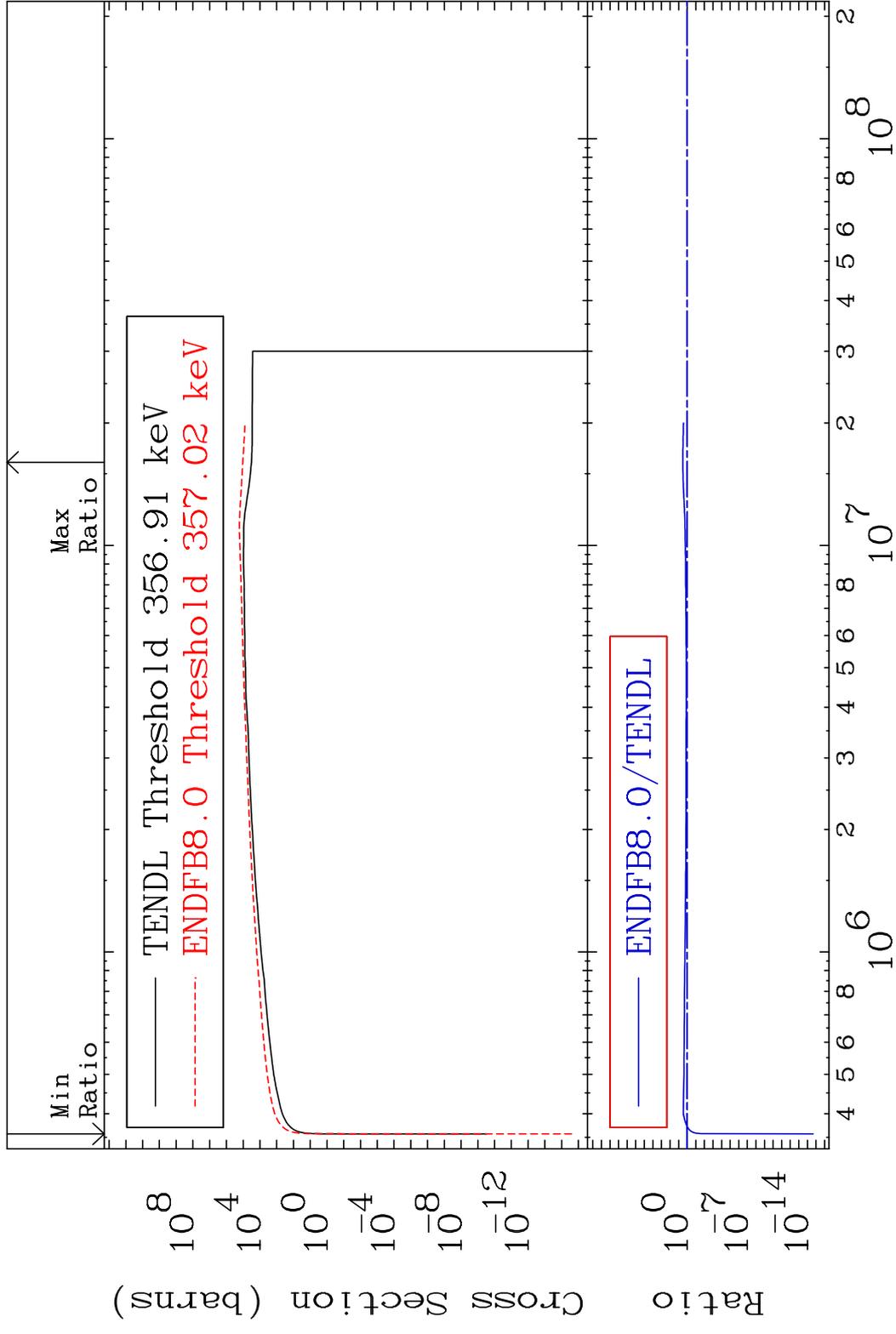
Cross Section -100.0 To 9999. %



MAT 5425 Dpa elastic (mt2) 54-Xe-124
 Cross Section -98.54 To 9999. %



MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124
 Cross Section -100.0 To 225.6 %



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

