

Program Complot
(Version 2021-1)

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

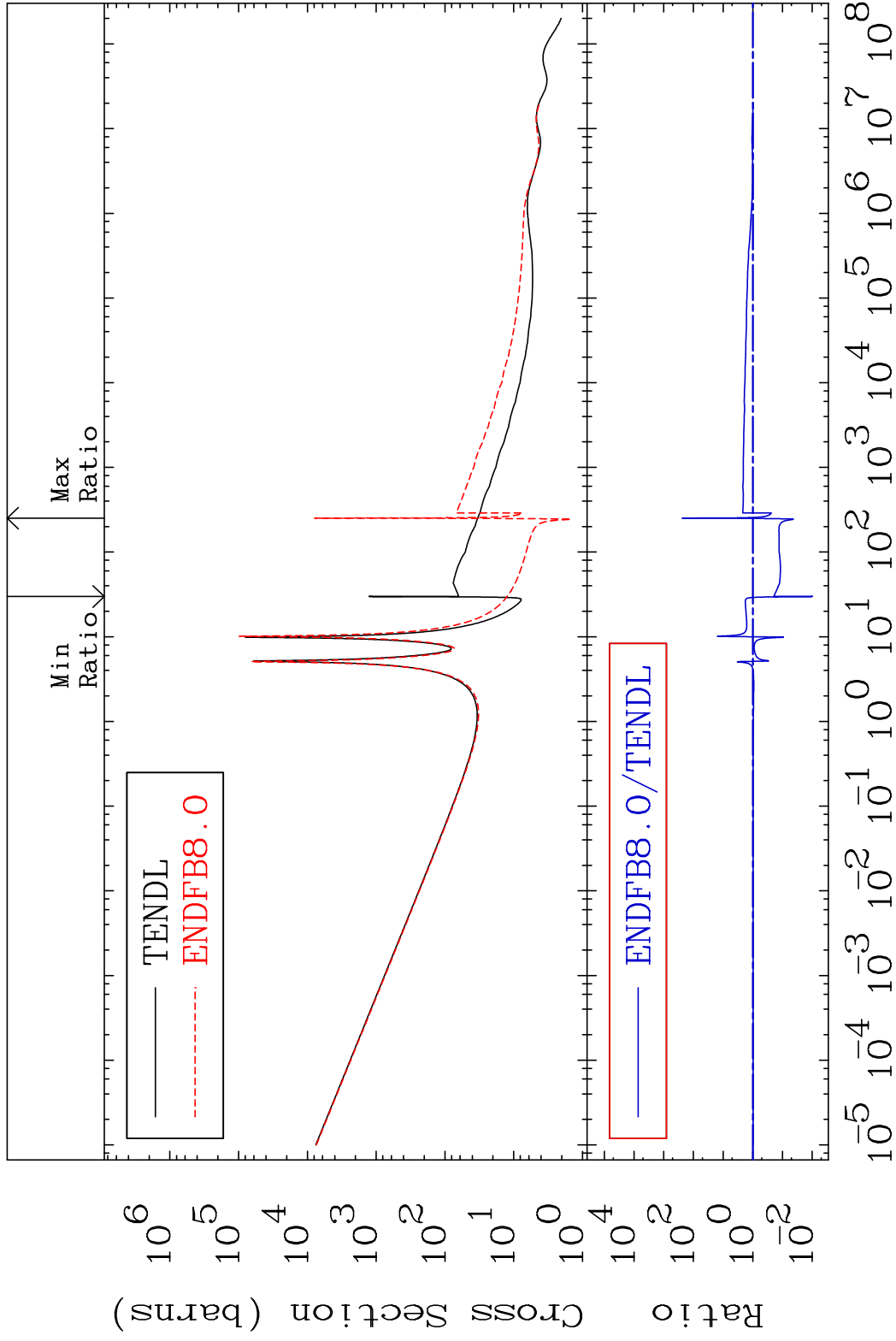
Press Mouse Button to Start

MAT 5425

Total

54-Xe-124

Cross Section -99.03 To 9999. %



1

Incident Energy (eV)

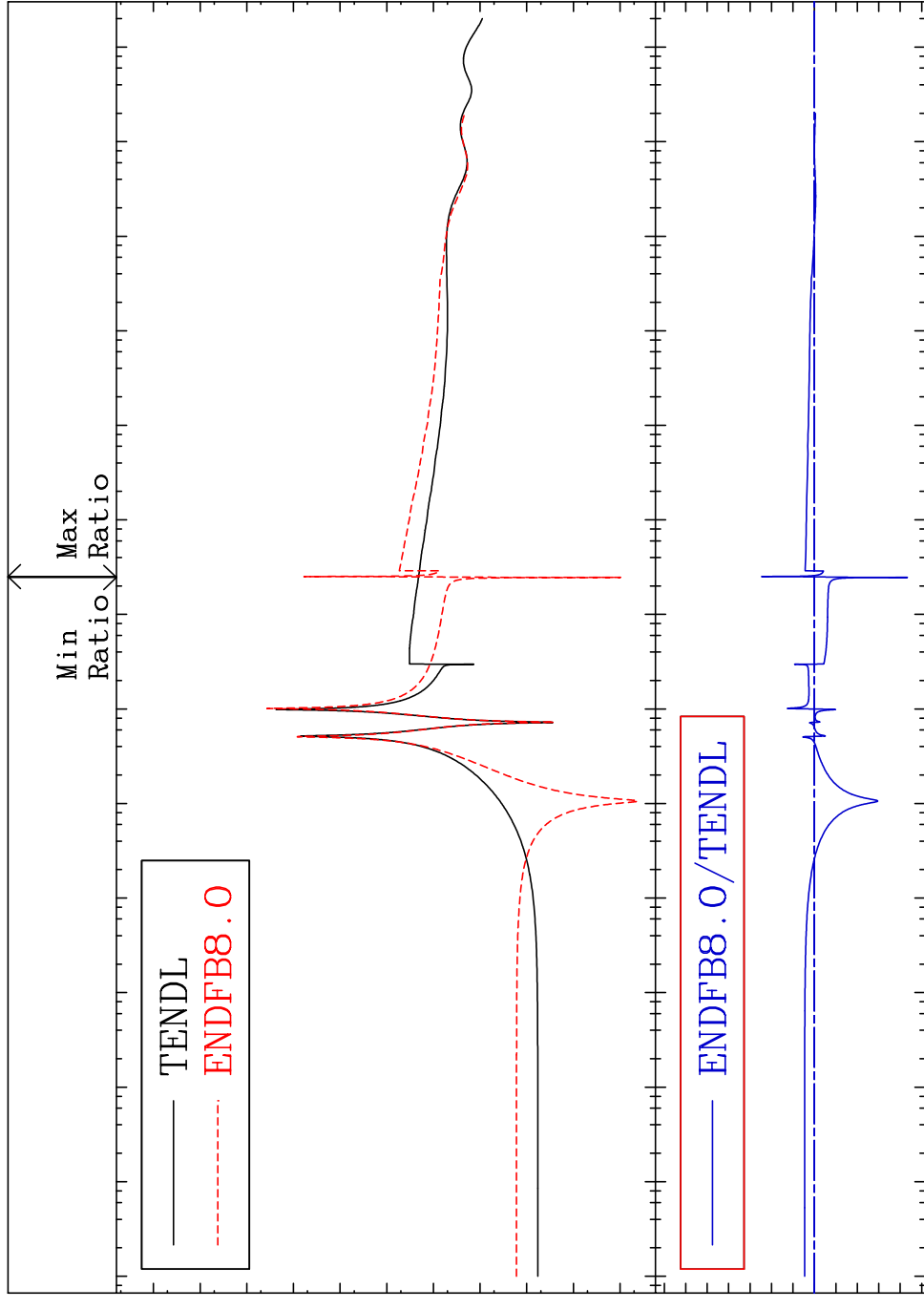
54-Xe-124

MAT 5425

54-Xe-124

Elastic

Cross Section -100.0 To 9999. %

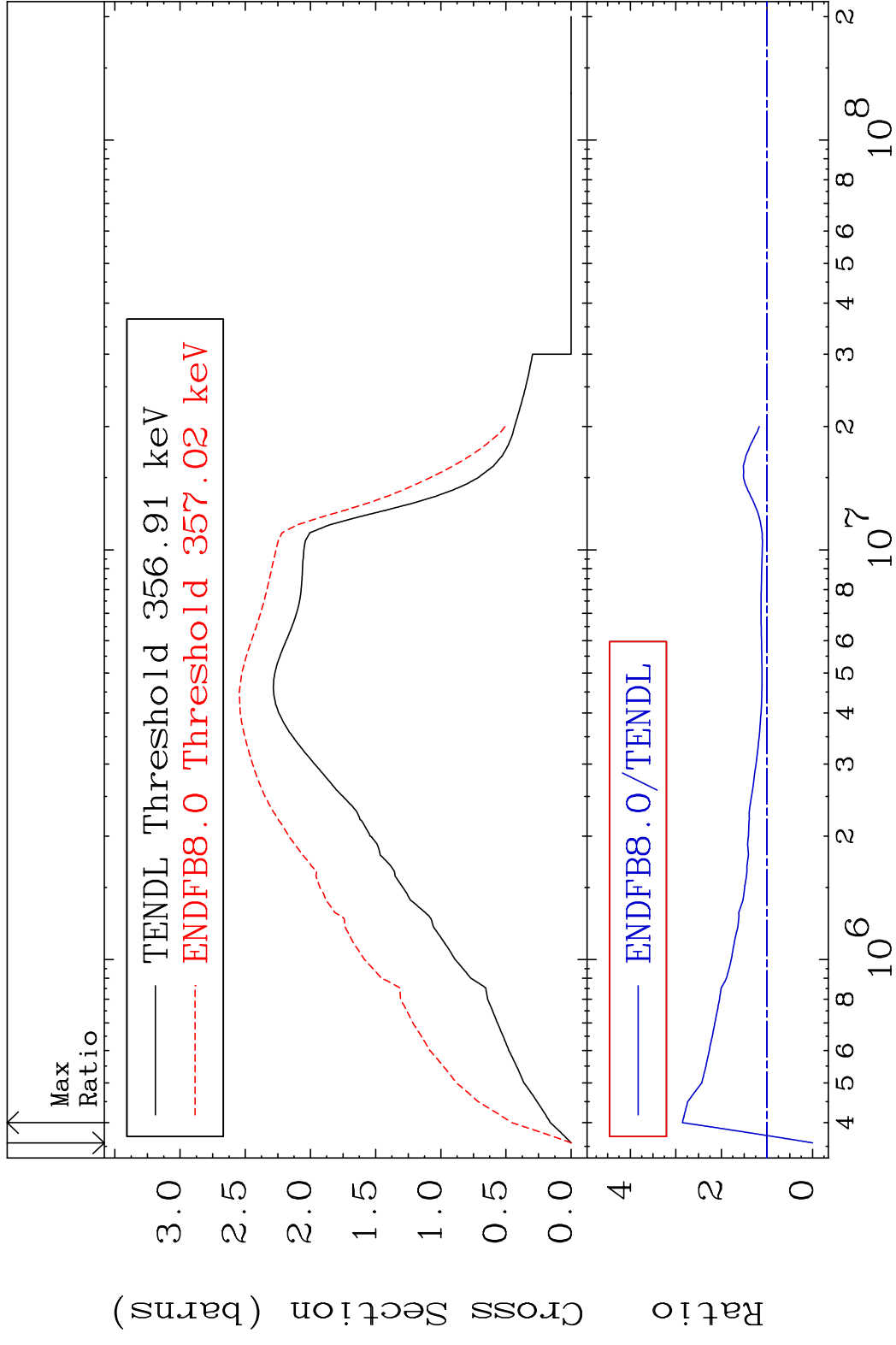


10⁶
10⁴
10²
10⁰
10⁻²
Cross Section (barns)

10³
10⁰
10⁻³
Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 5425 Inelastic 54-Xe-124
 Cross Section -100.0 To 185.8 %

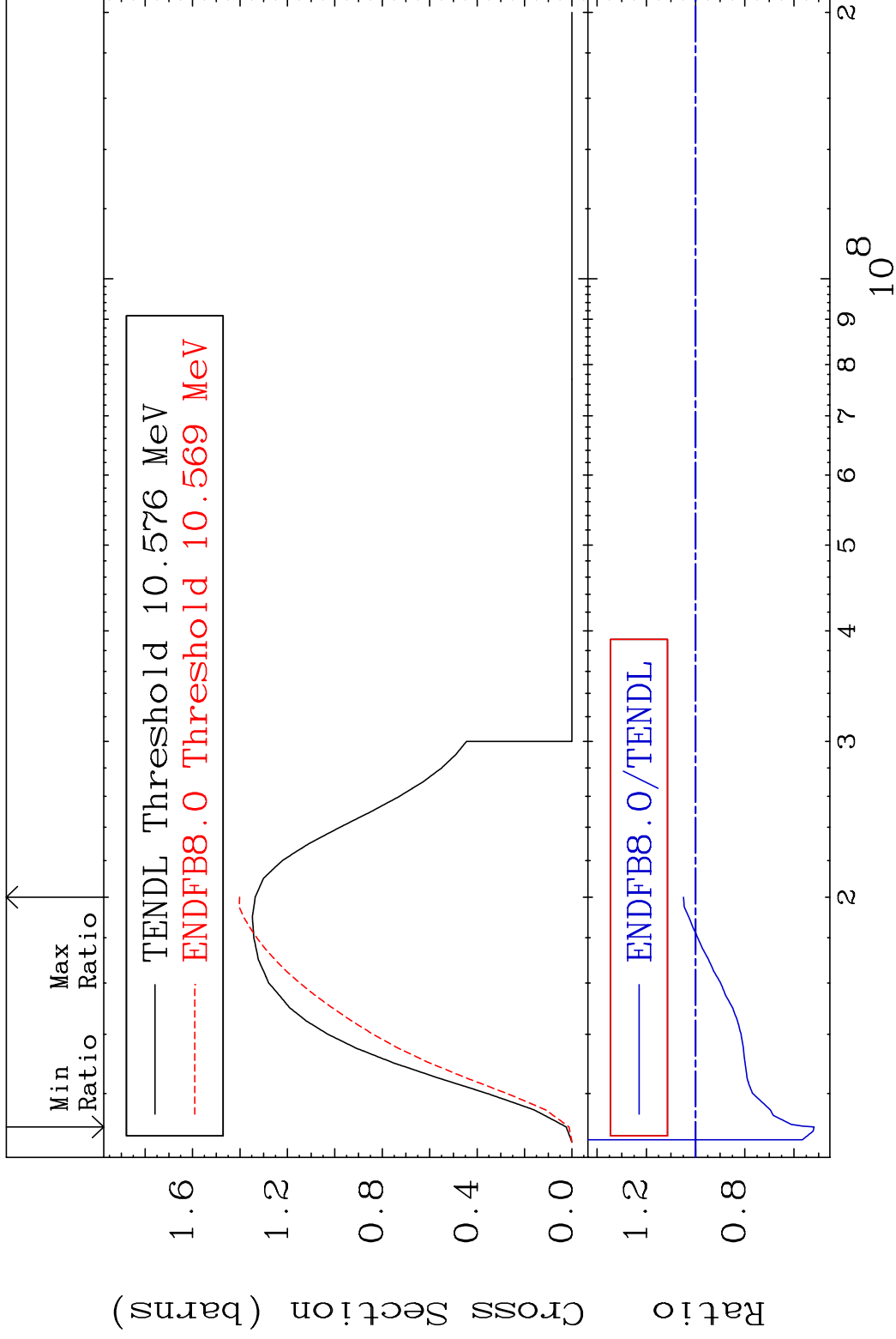


MAT 5425

(n,2n)

54-Xe-124

Cross Section -48.16 To 4.912 %



4

Incident Energy (eV)

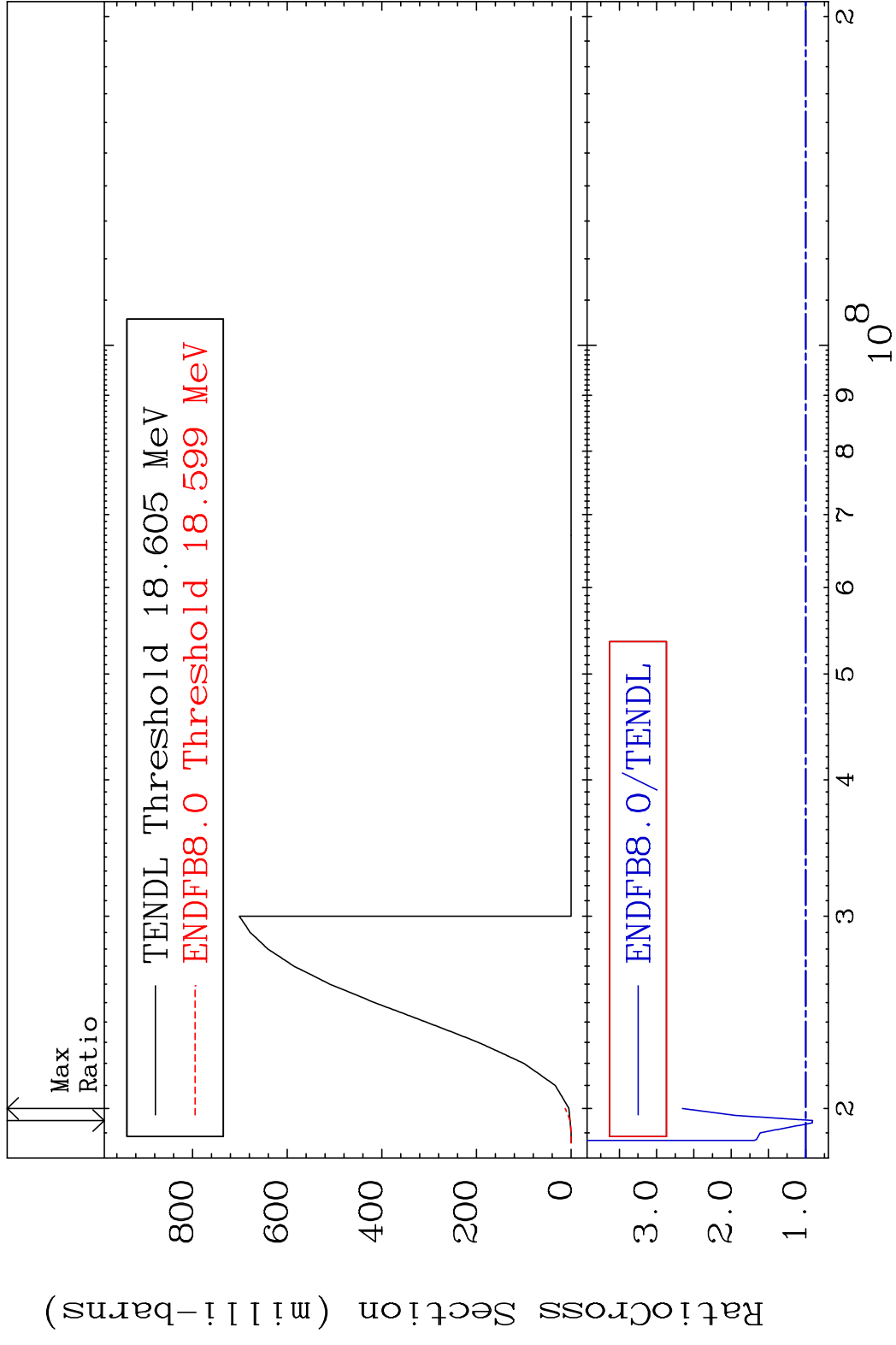
54-Xe-124

MAT 5425

(n,3n)

54-Xe-124

Cross Section -9.169 To 165.5 %



5

Incident Energy (eV)

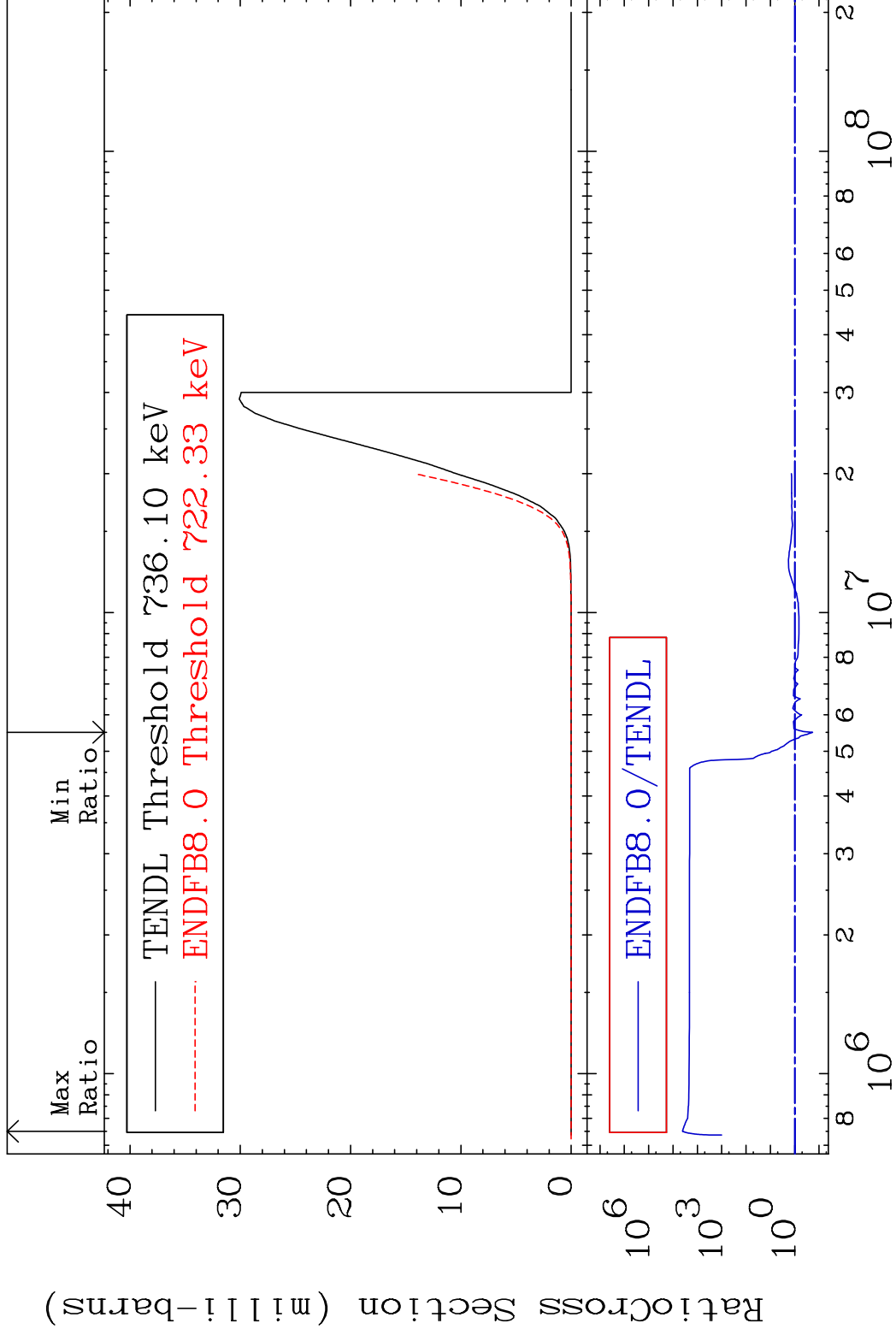
54-Xe-124

MAT 5425

(n, n') α

54-Xe-124

Cross Section -81.48 To 9999. %



6

Incident Energy (eV)

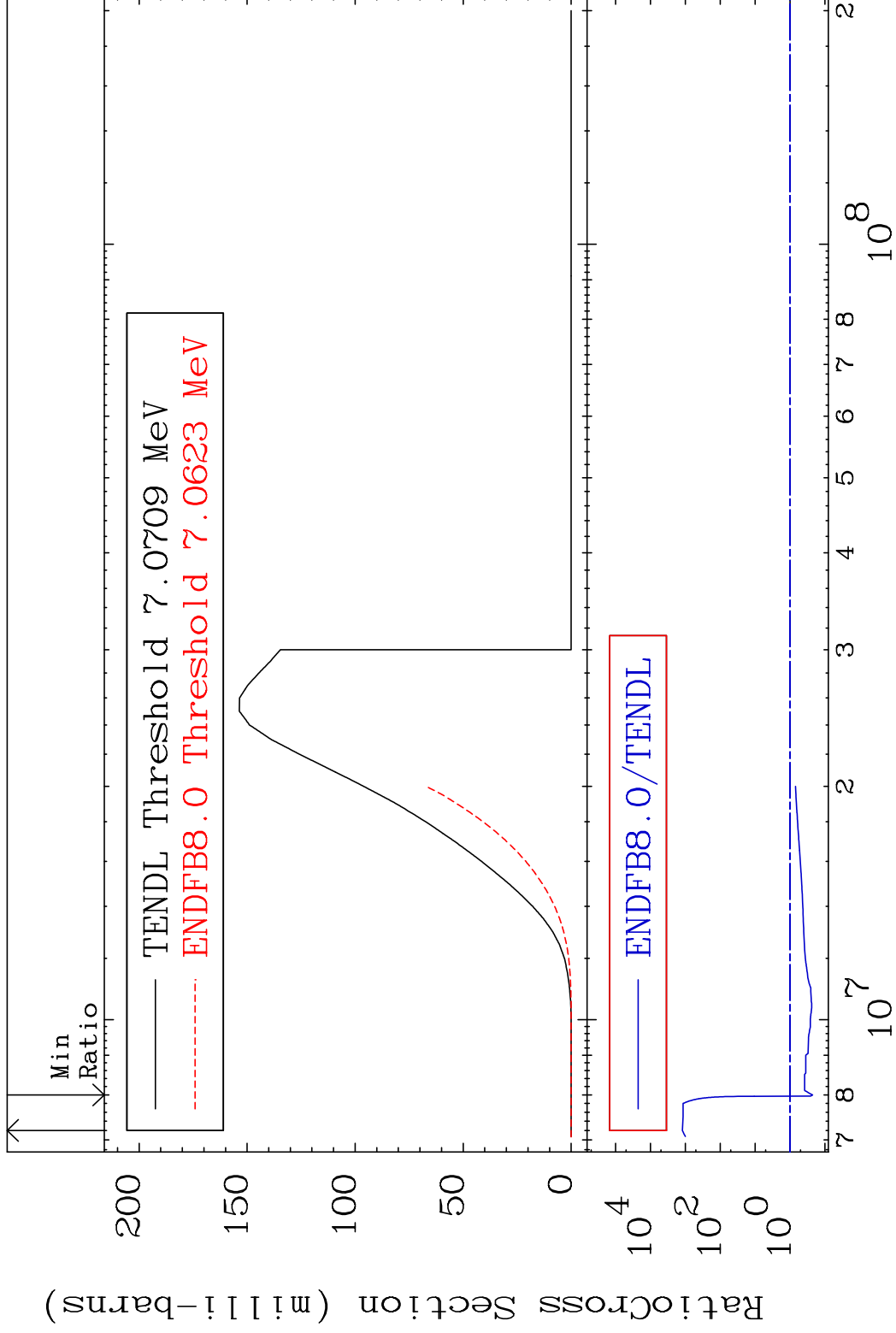
54-Xe-124

MAT 5425

(n, n') p

54-Xe-124

Cross Section -77.49 To 9999. %

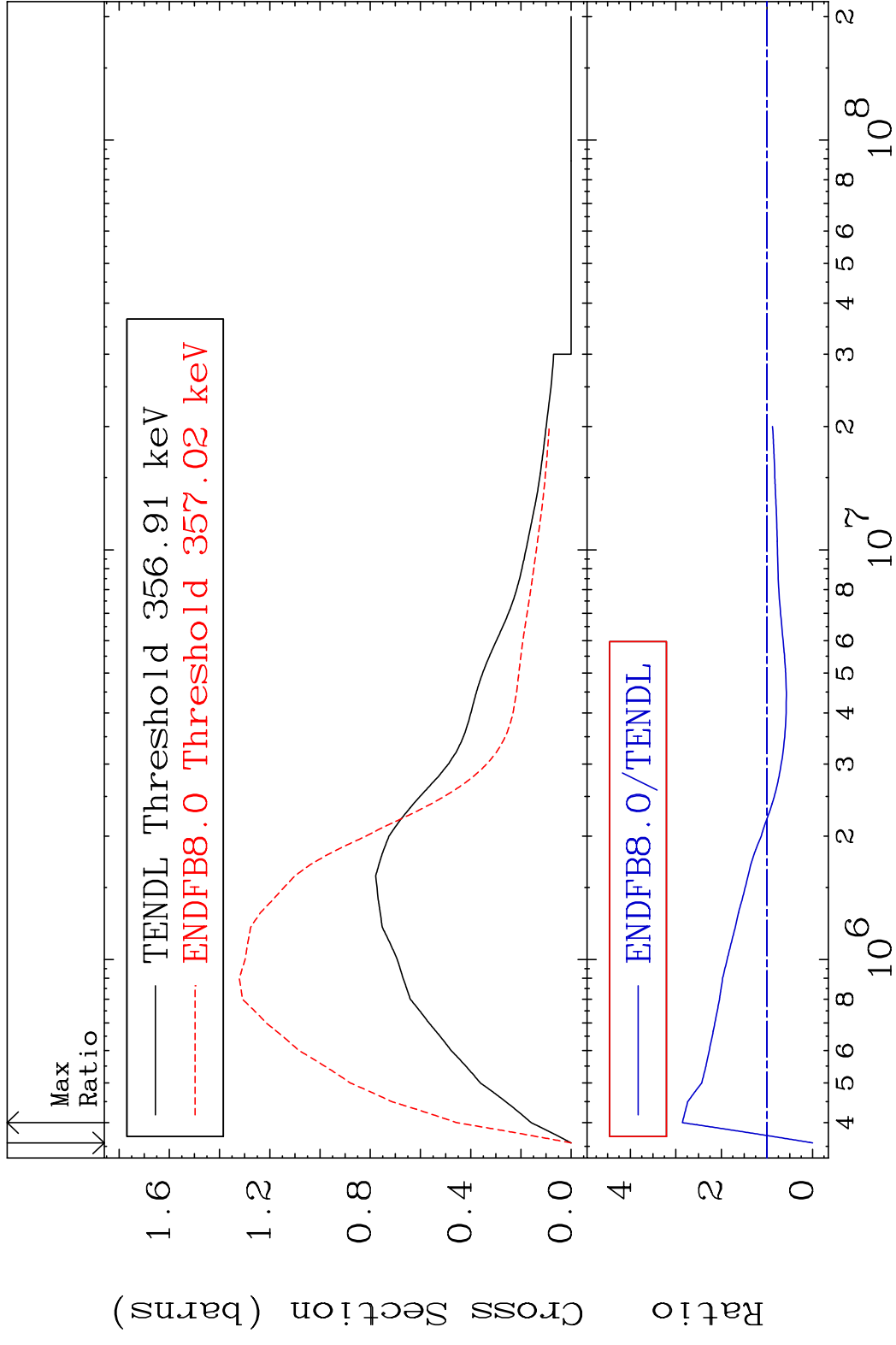


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Incident Energy (eV)

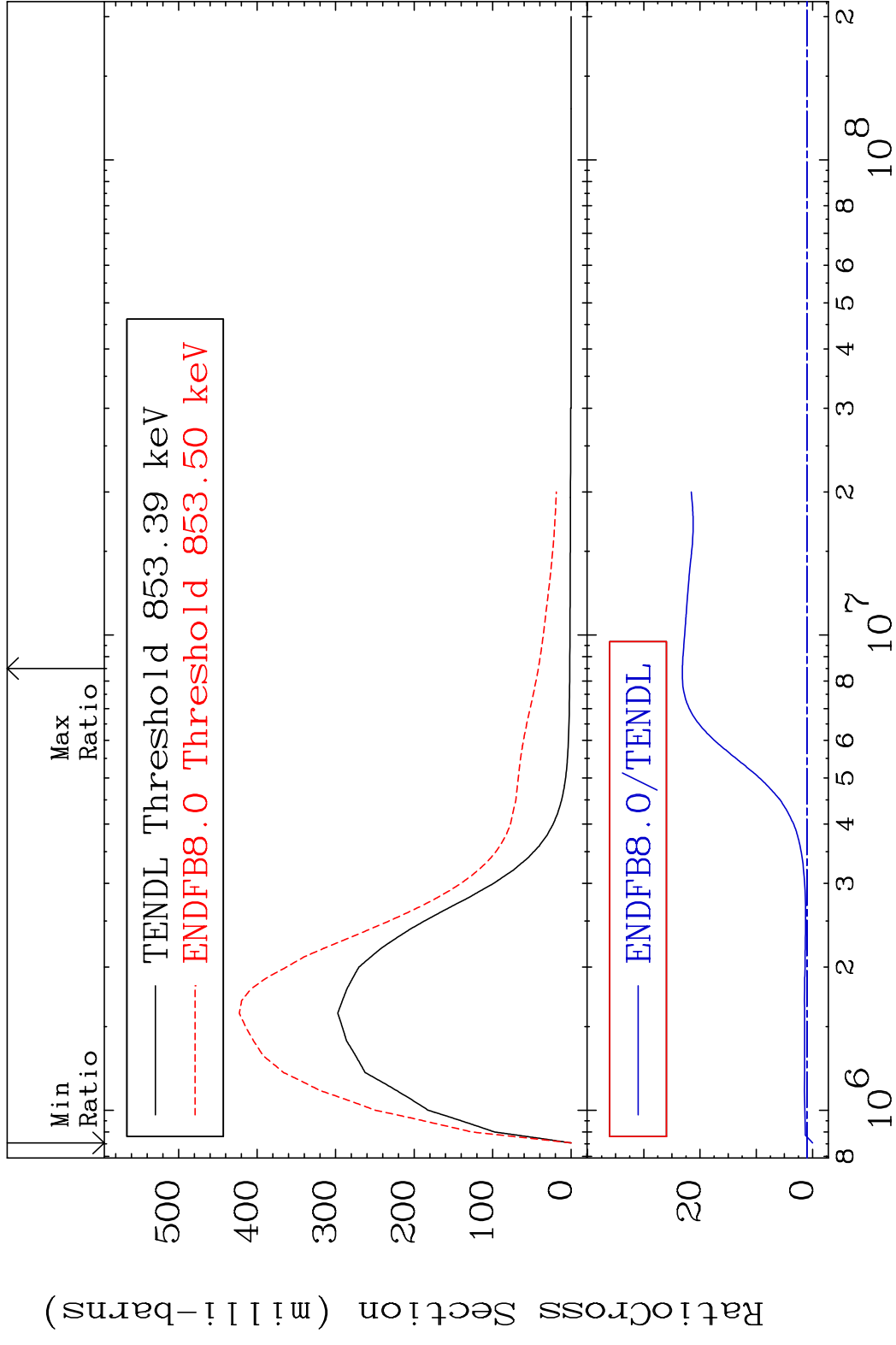
54-Xe-124

MAT 5425 MT= 51 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 185.8 %



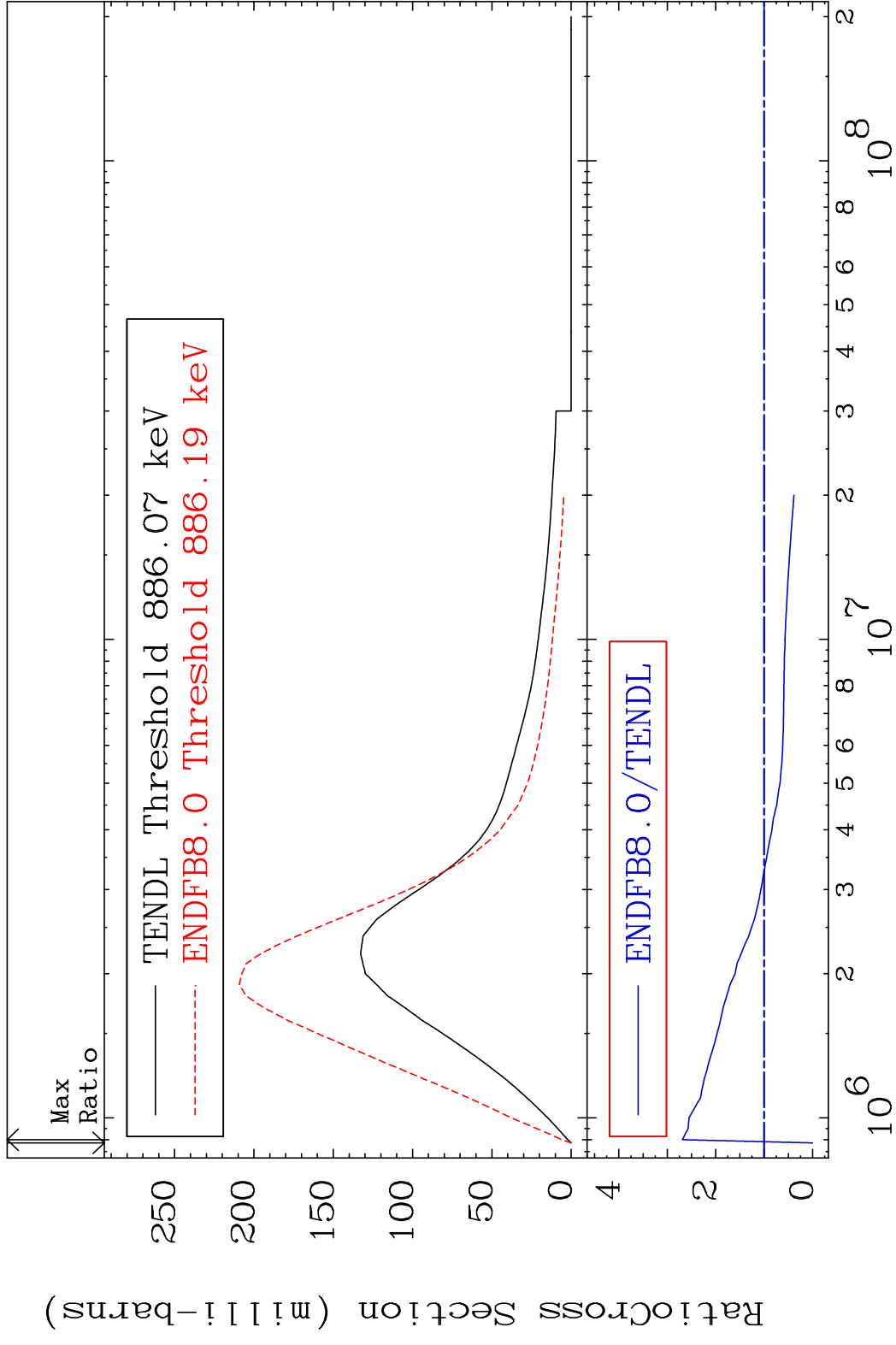
8 Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 52 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 2214. %



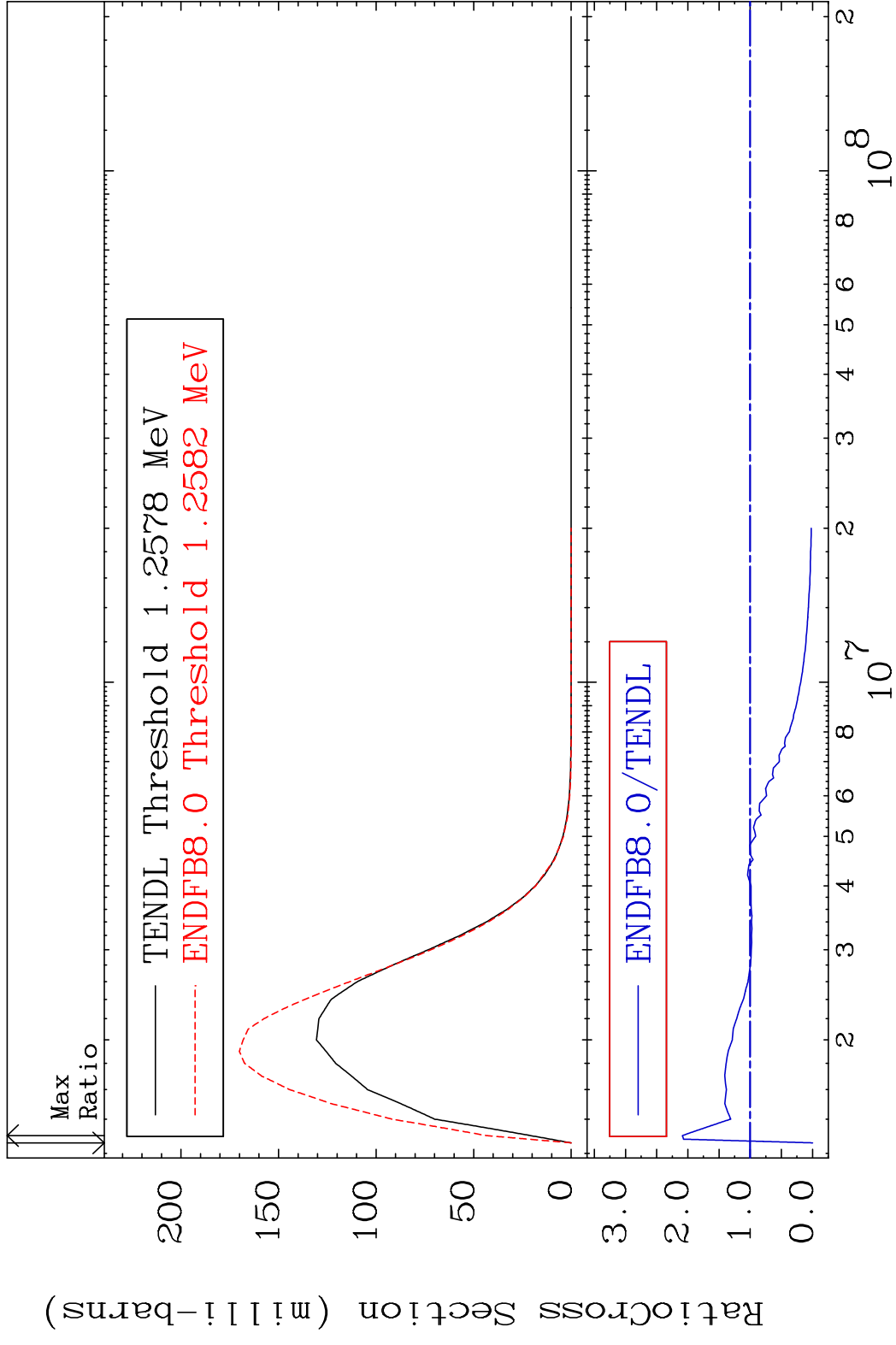
9 Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 53 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 168.9 %

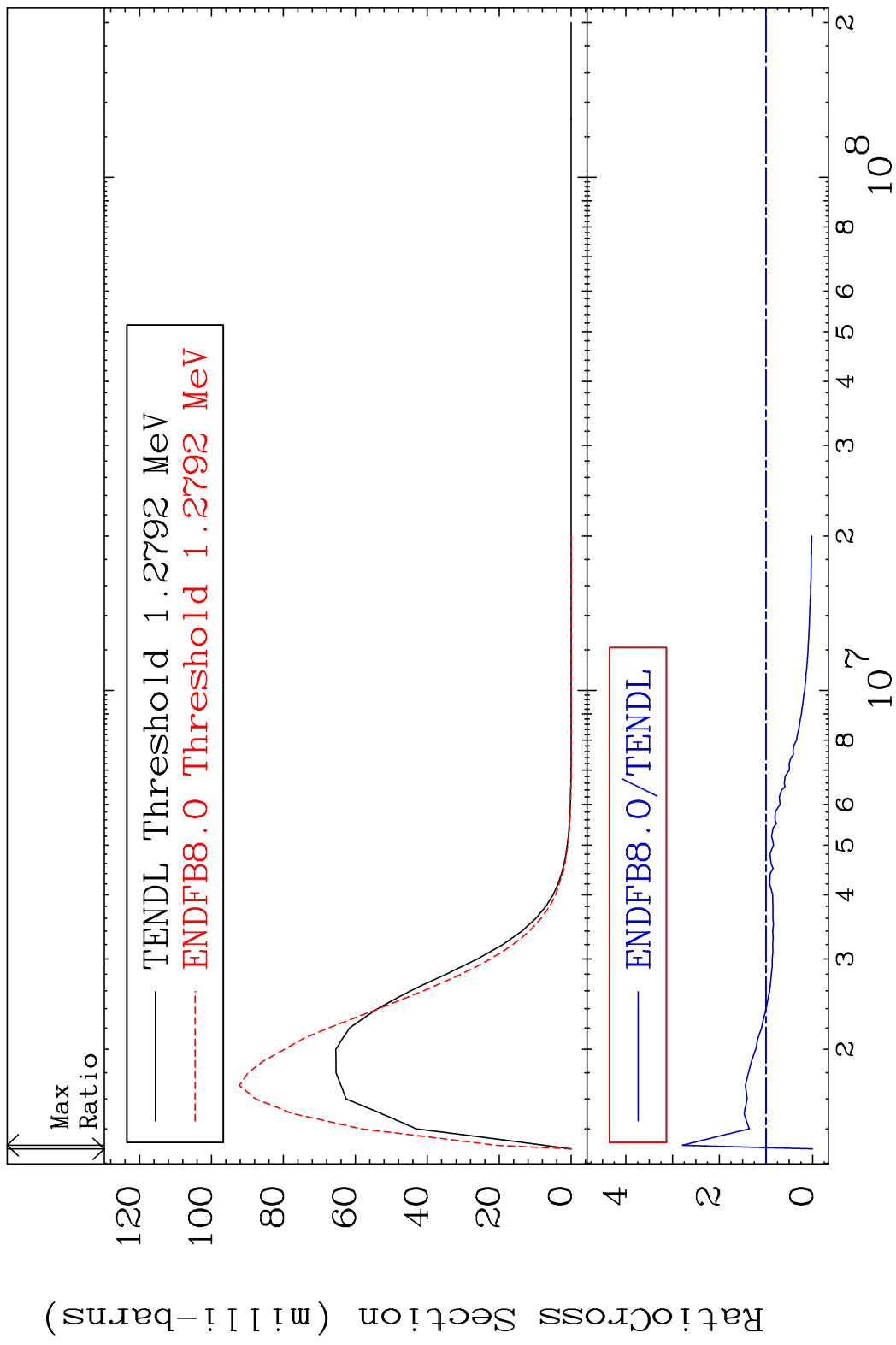


10 Incident Energy (eV) 54-Xe-124

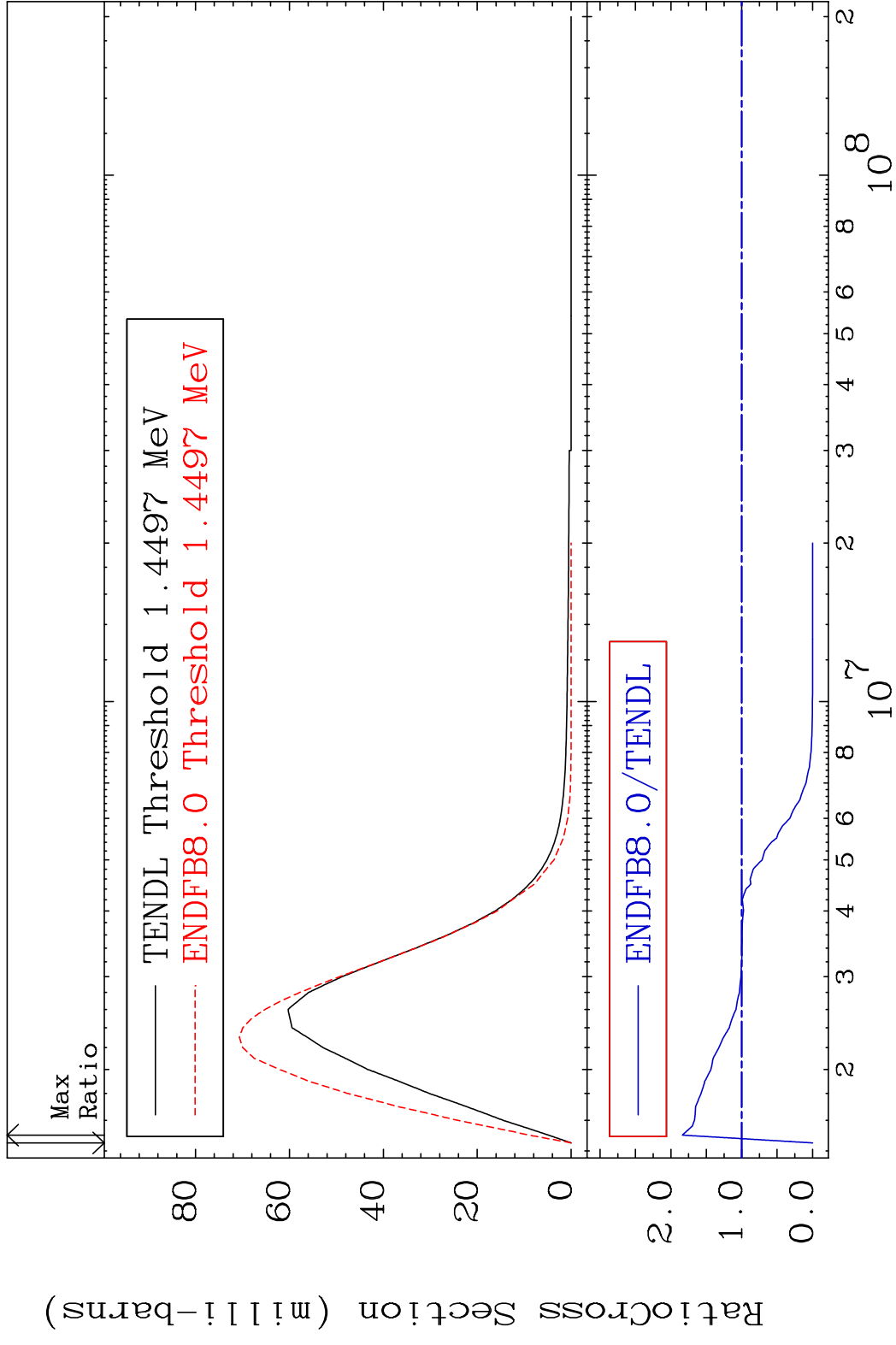
MAT 5425 MT= 54 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 108.8 %



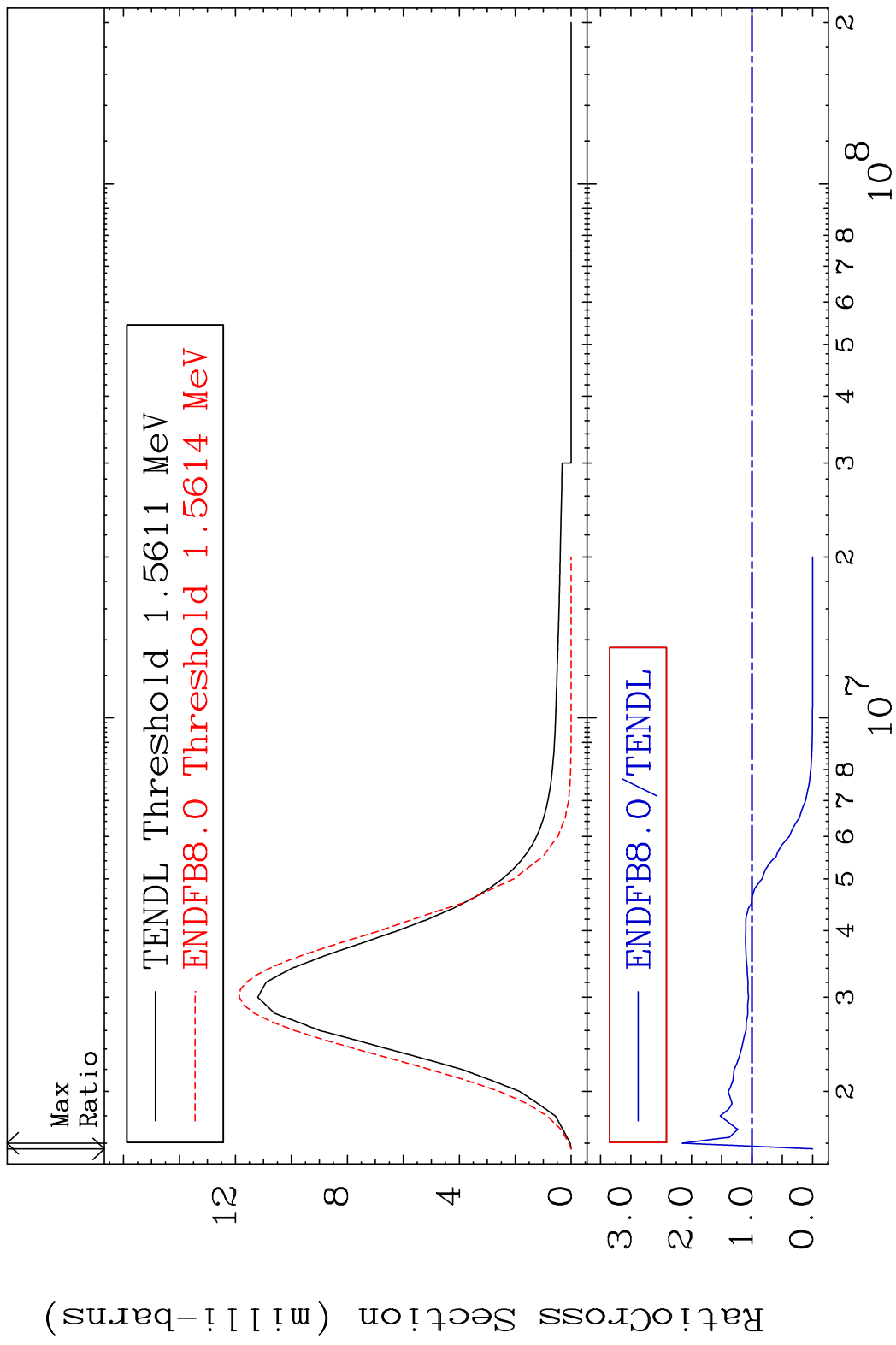
MAT 5425 MT= 55 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 179.1 %



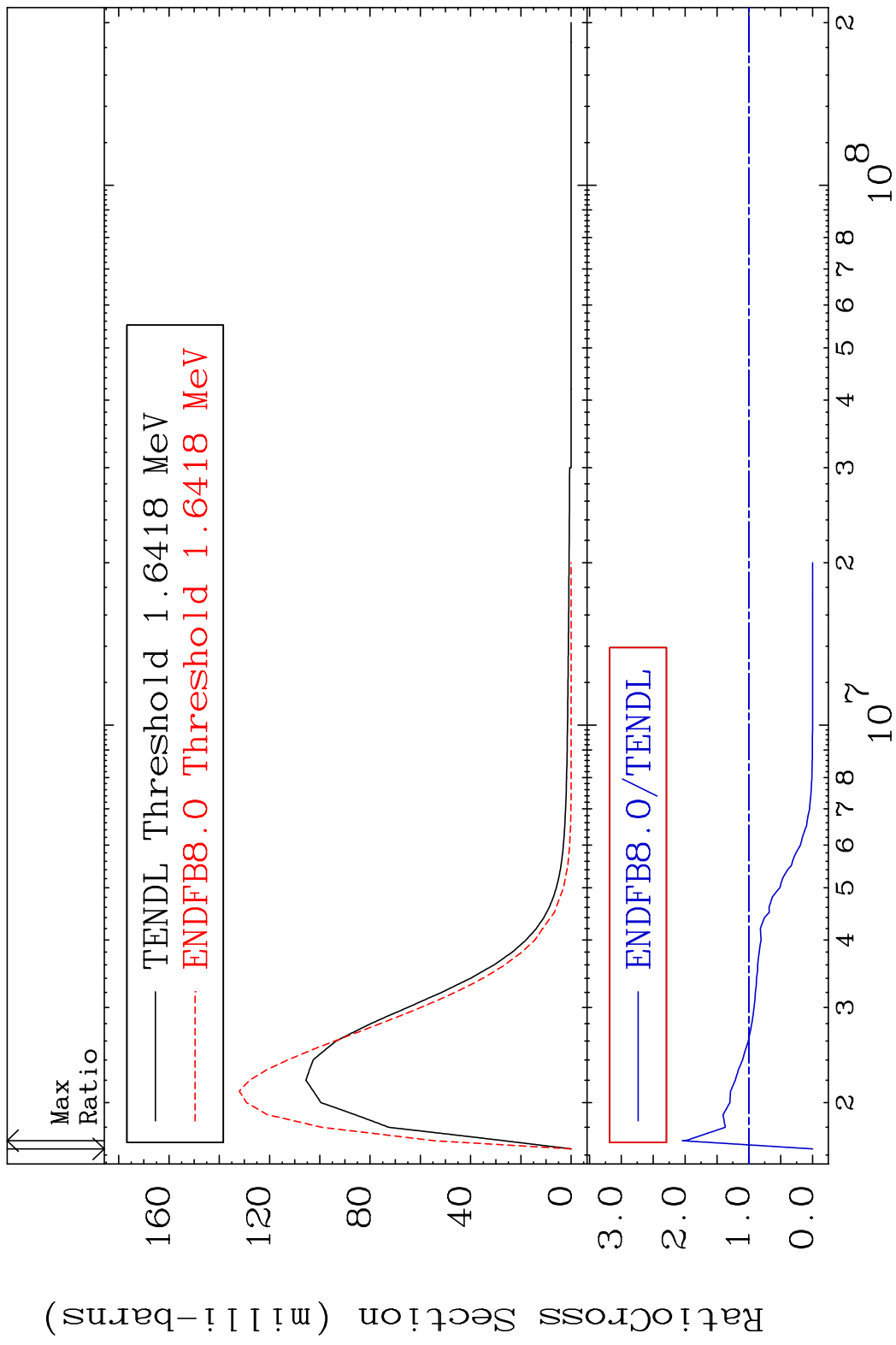
MAT 5425 MT= 56 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 83.81 %



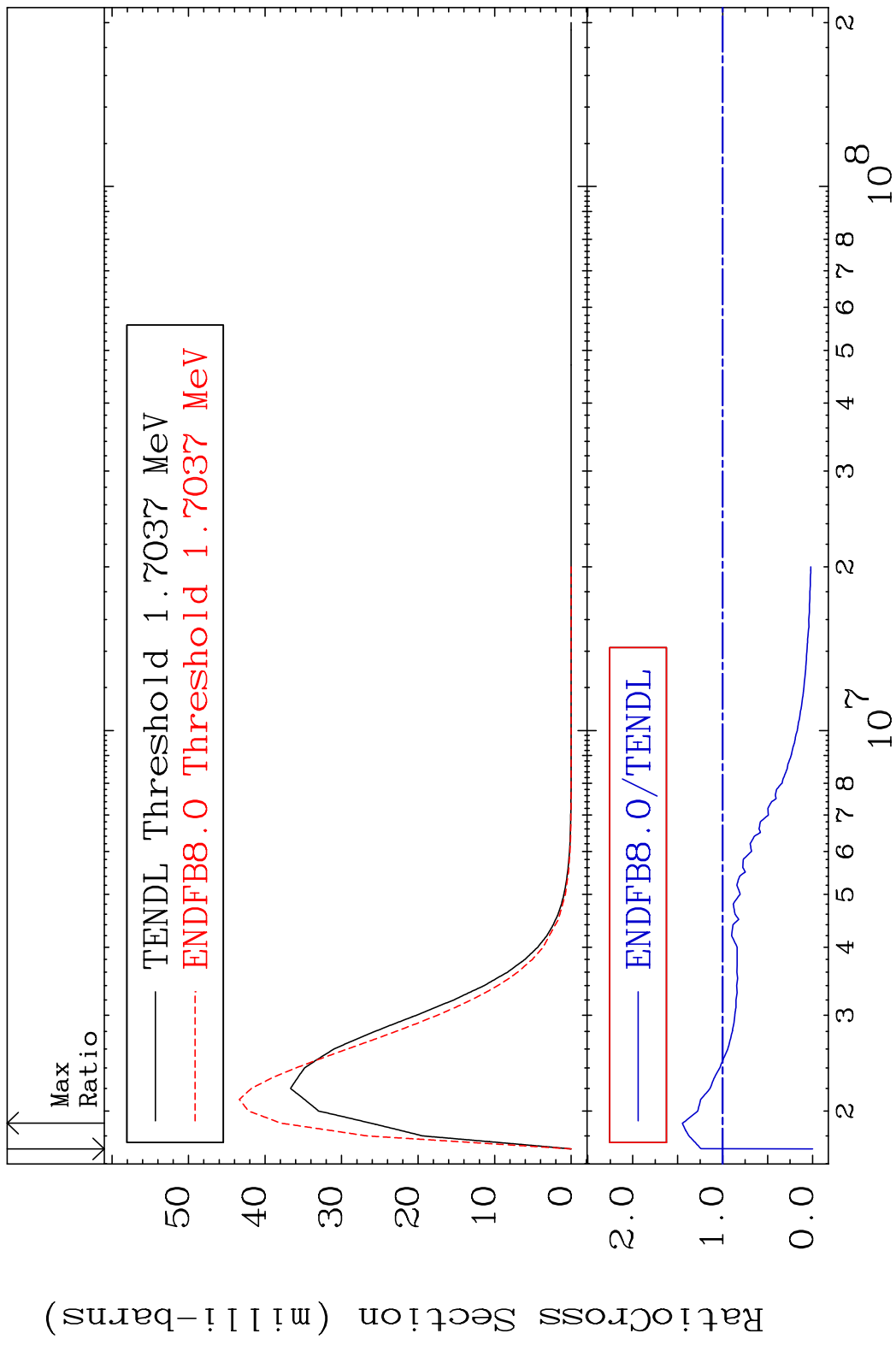
MAT 5425 MT= 57 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 115.0 %



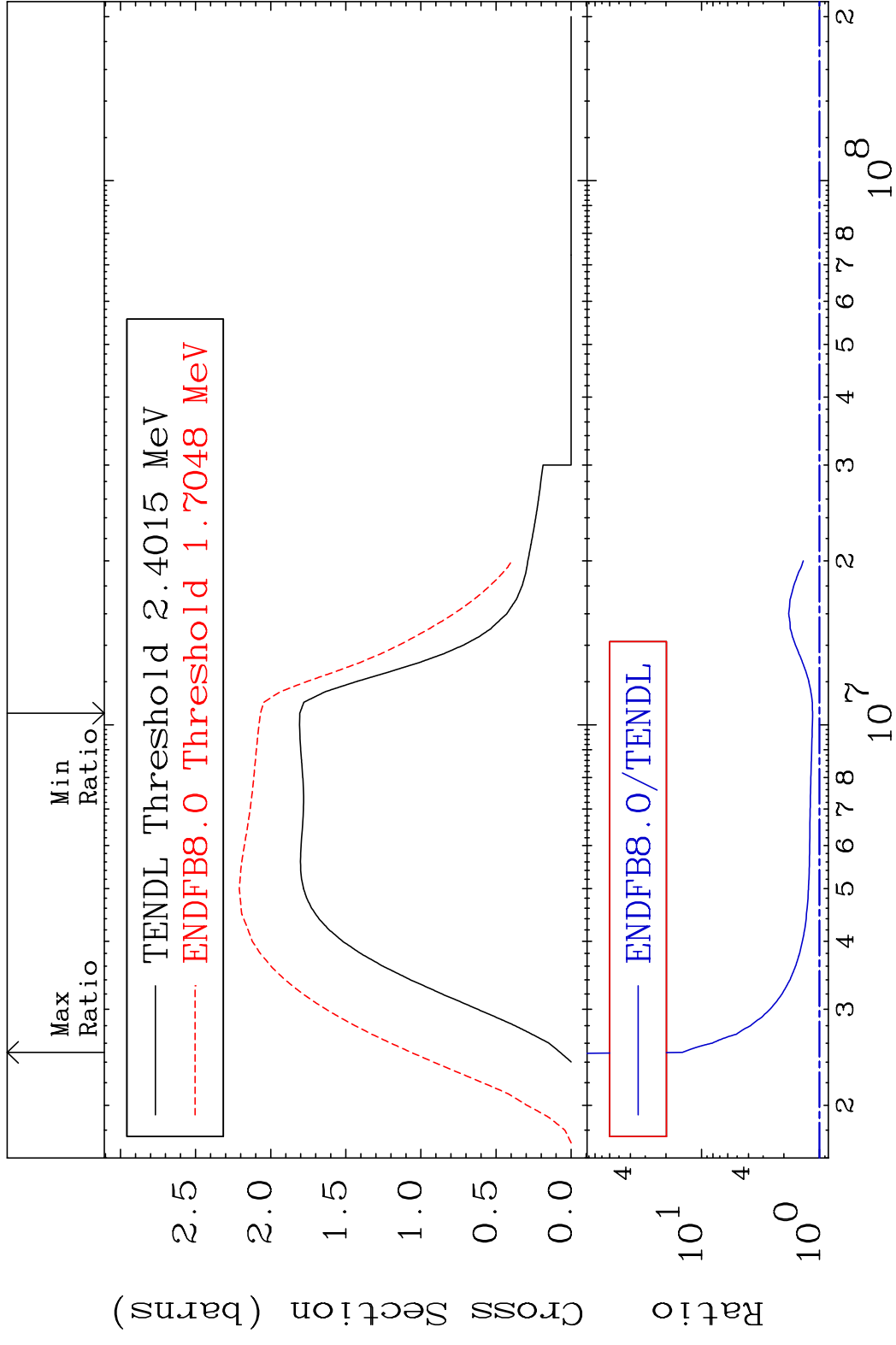
MAT 5425 MT= 58 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 104.3 %



MAT 5425 MT= 59 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 44.81 %



MAT 5425 (n, n') Continuum 54-Xe-124
 Cross Section 14.46 To 1354. %

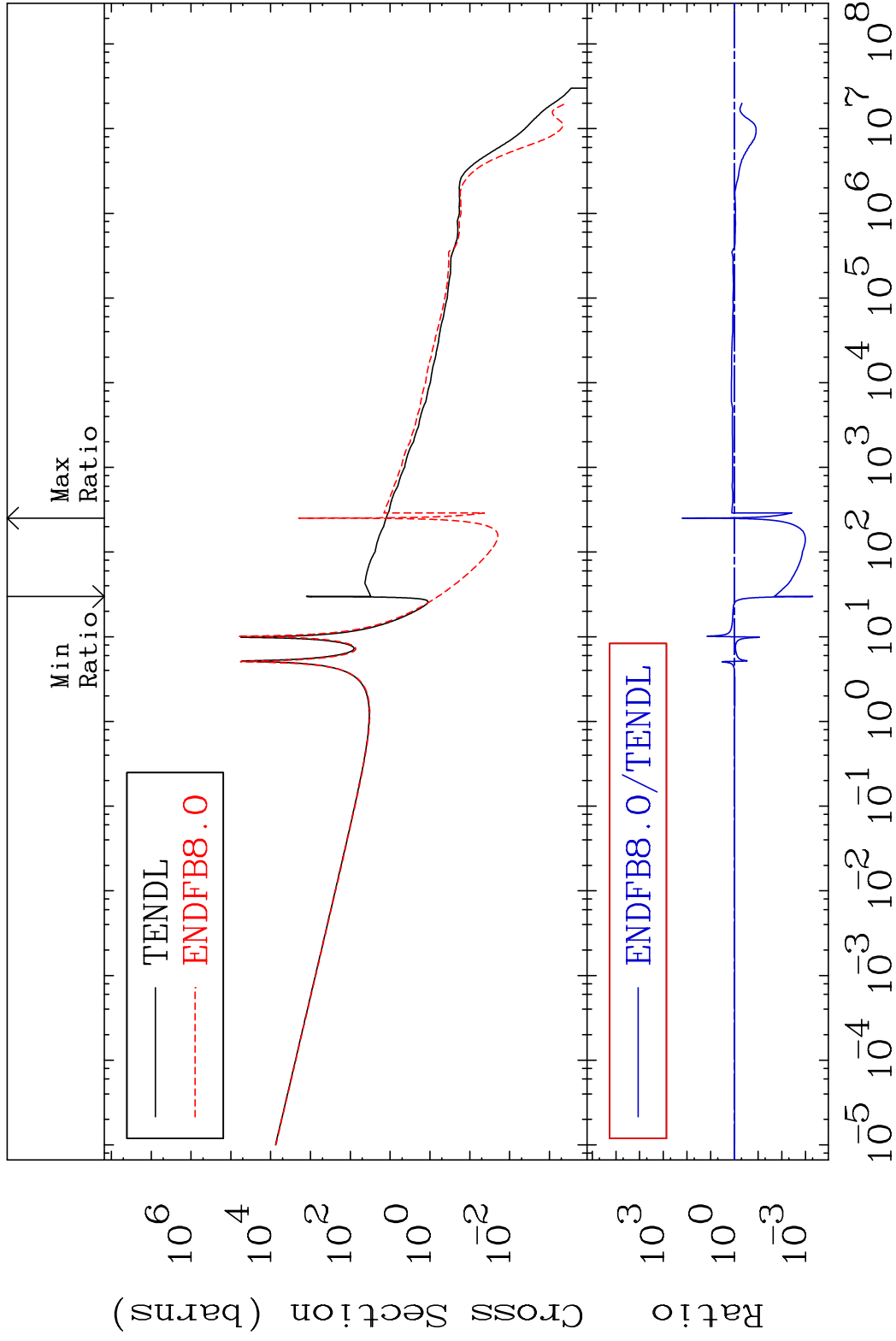


MAT 5425

(n, γ)

54-Xe-124

Cross Section -99.95 To 9999. %



18

Incident Energy (eV)

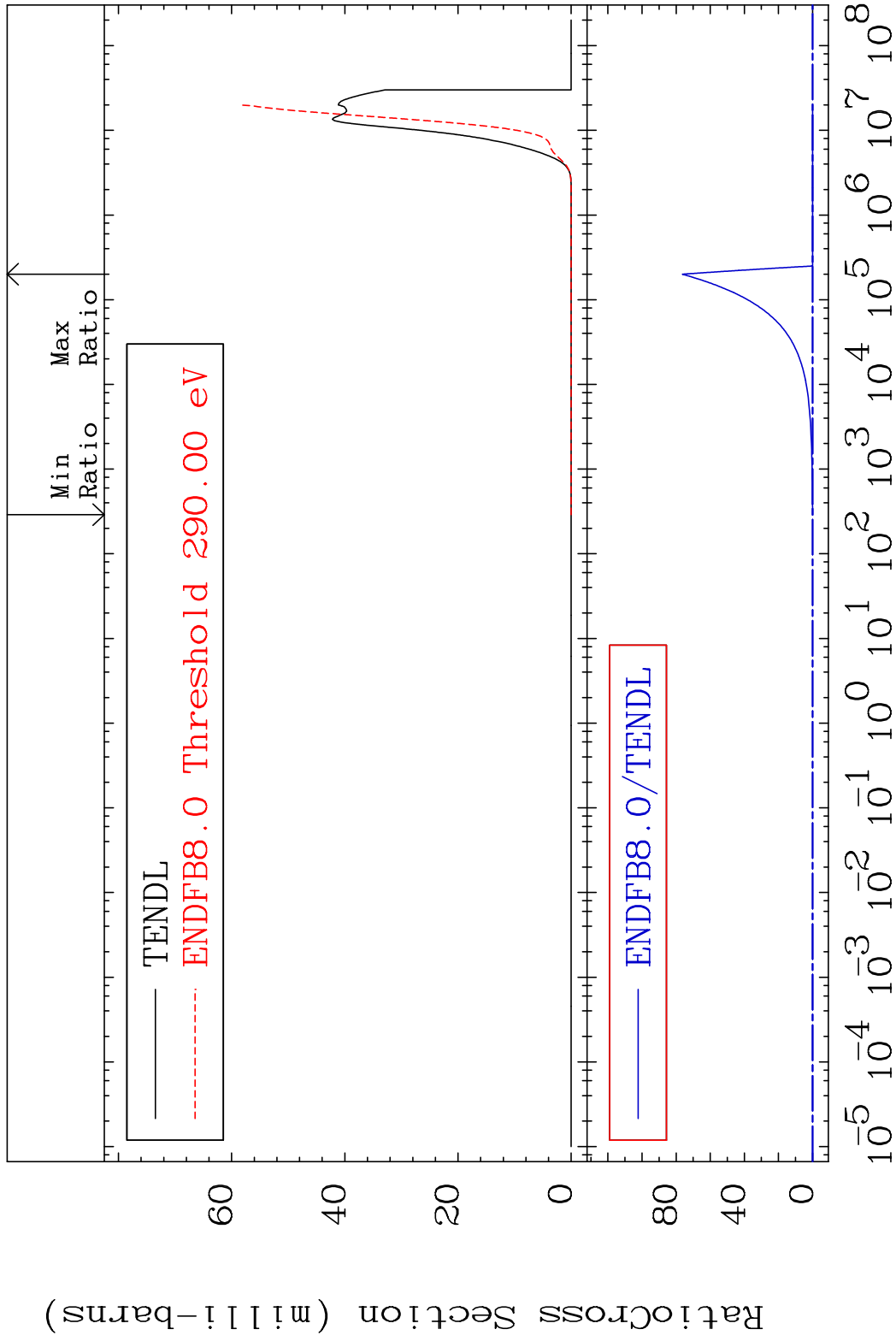
54-Xe-124

MAT 5425

(n, p)

54-Xe-124

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

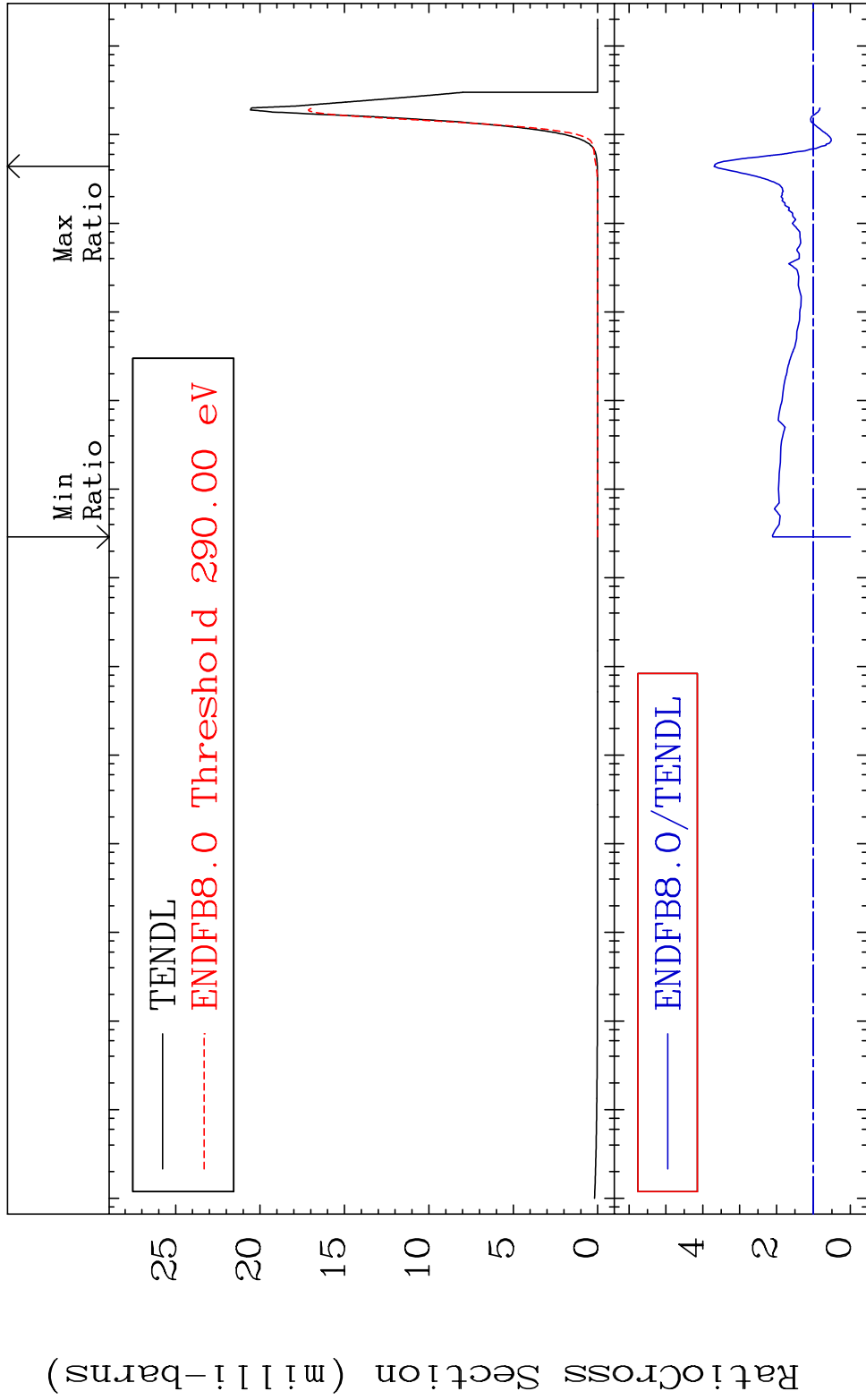
54-Xe-124

MAT 5425

(n, α)

54-Xe-124

Cross Section -100.0 To 269.5 %

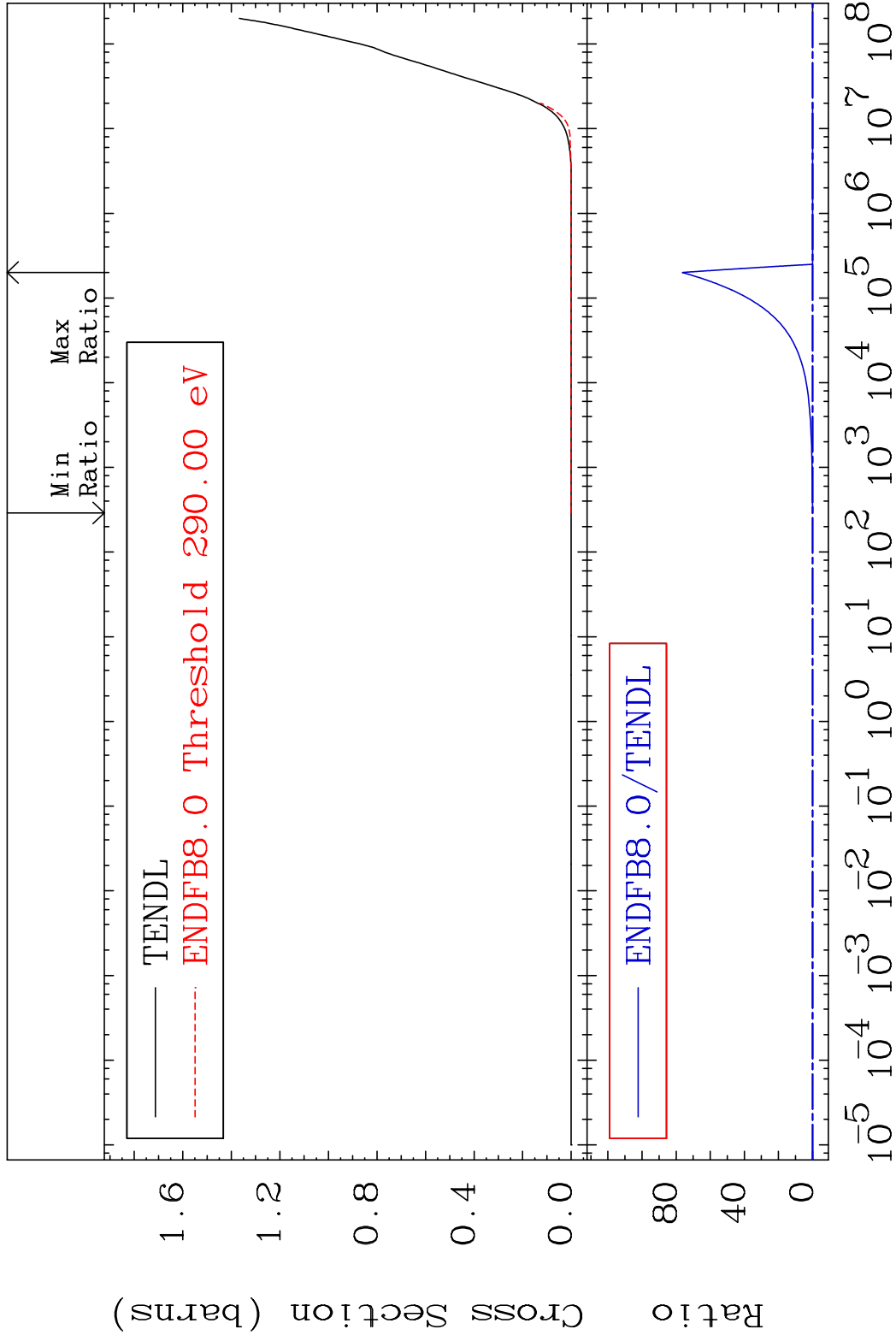


MAT 5425

Hydrogen Production

54-Xe-124

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

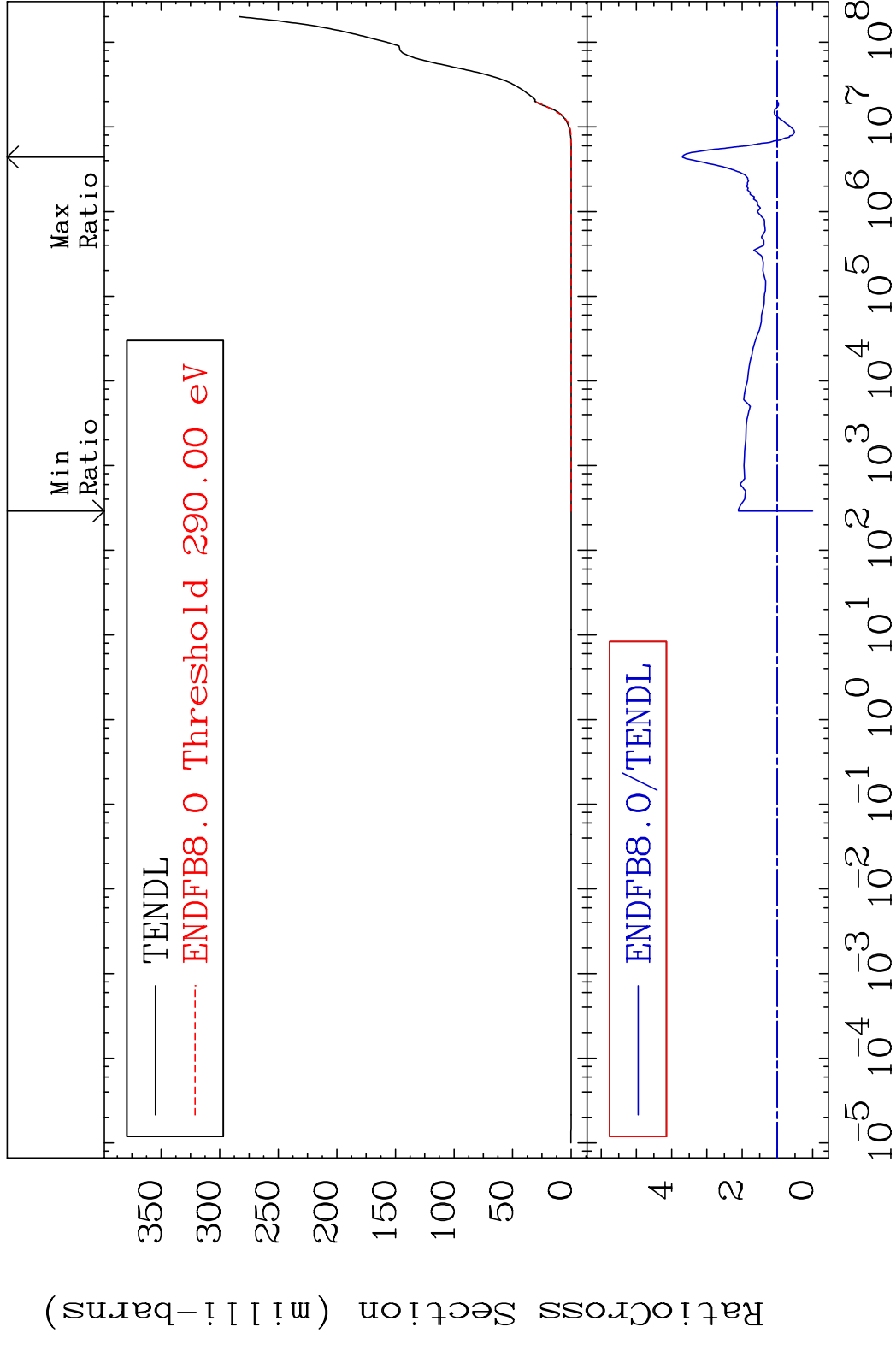
54-Xe-124

MAT 5425

He-4 Production

54-Xe-124

Cross Section -100.0 To 269.5 %

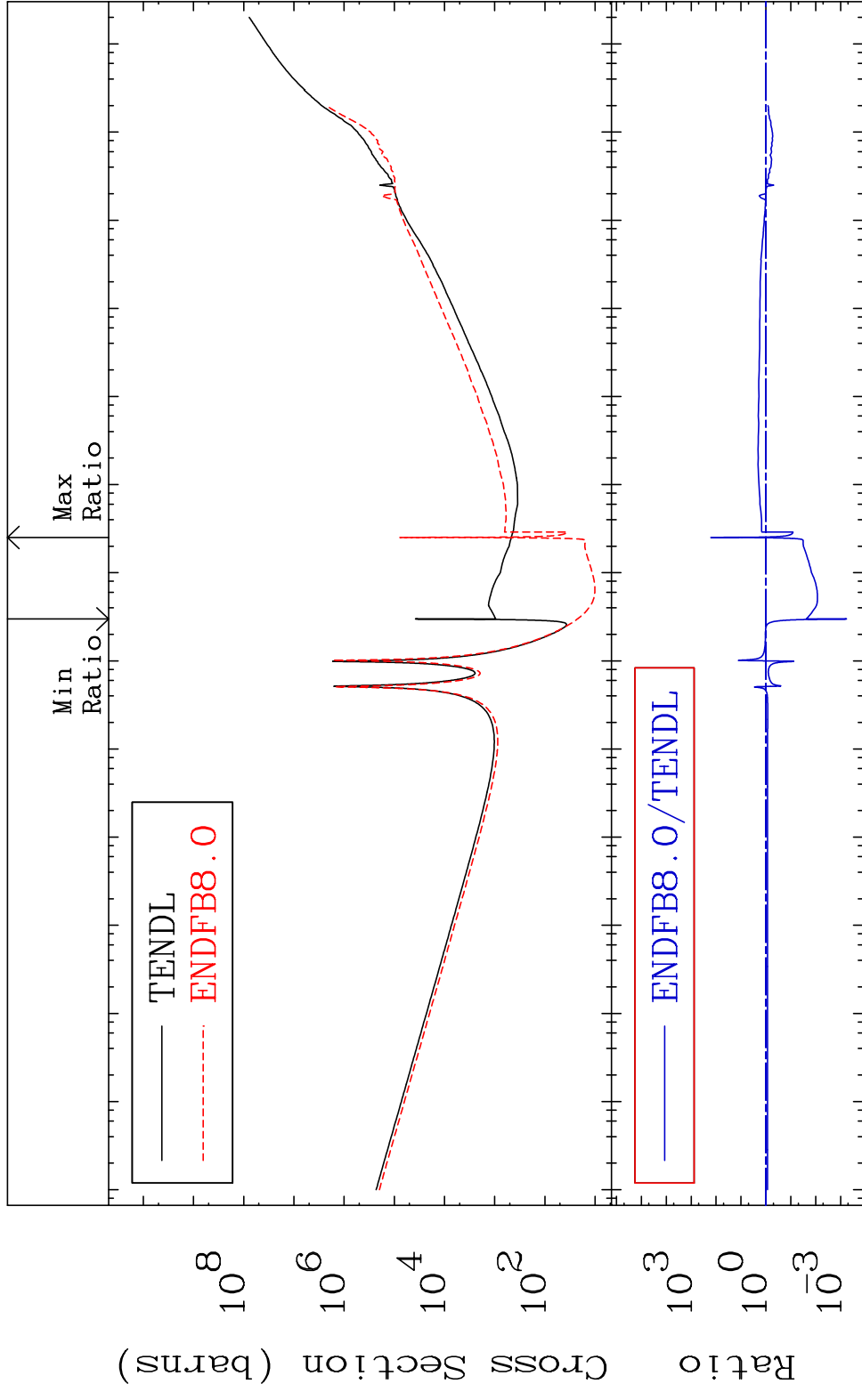


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Incident Energy (eV)

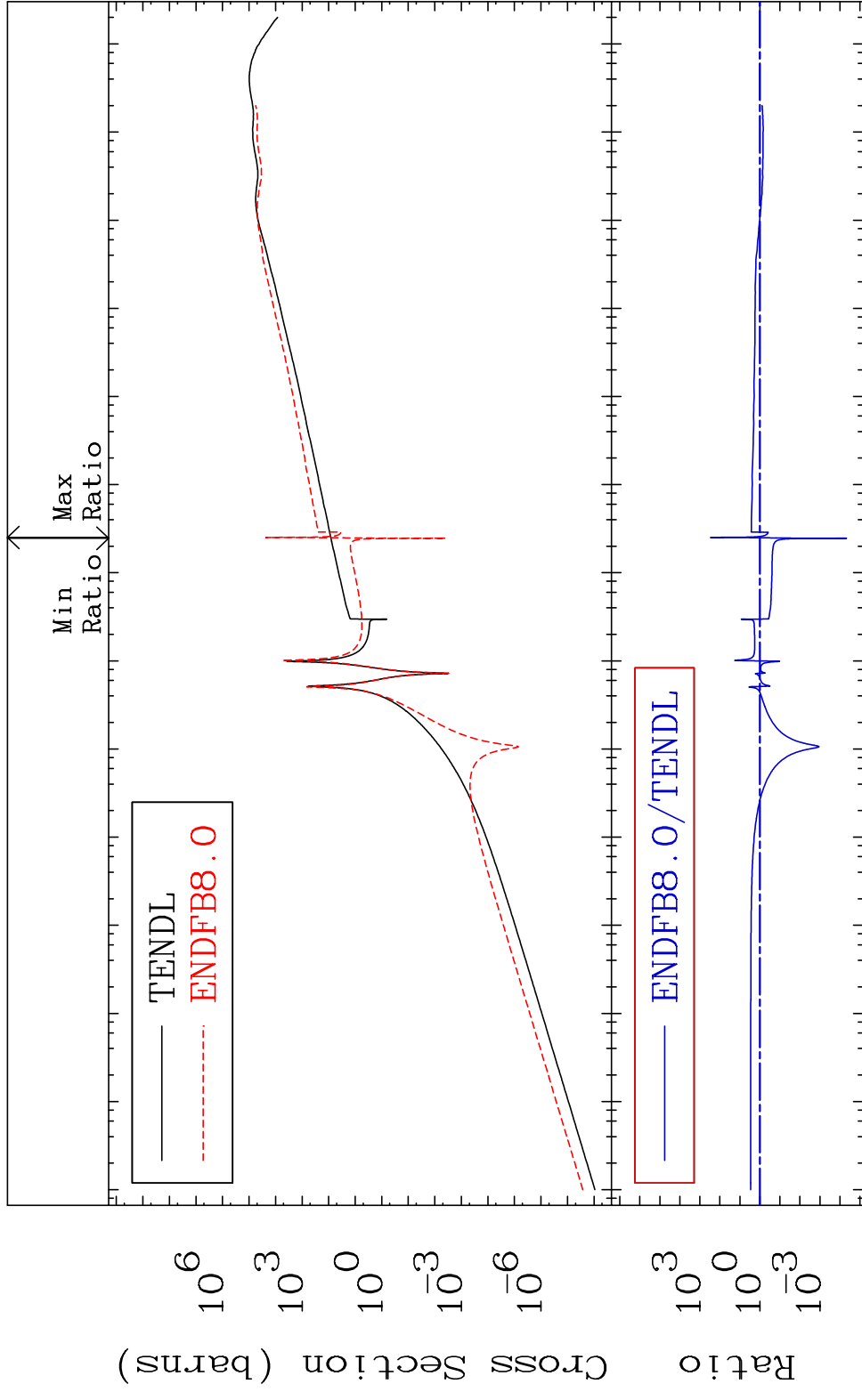
54-Xe-124

MAT 5425 Kerma total (eV-barns) 54-Xe-124
 Cross Section -99.94 To 9999. %

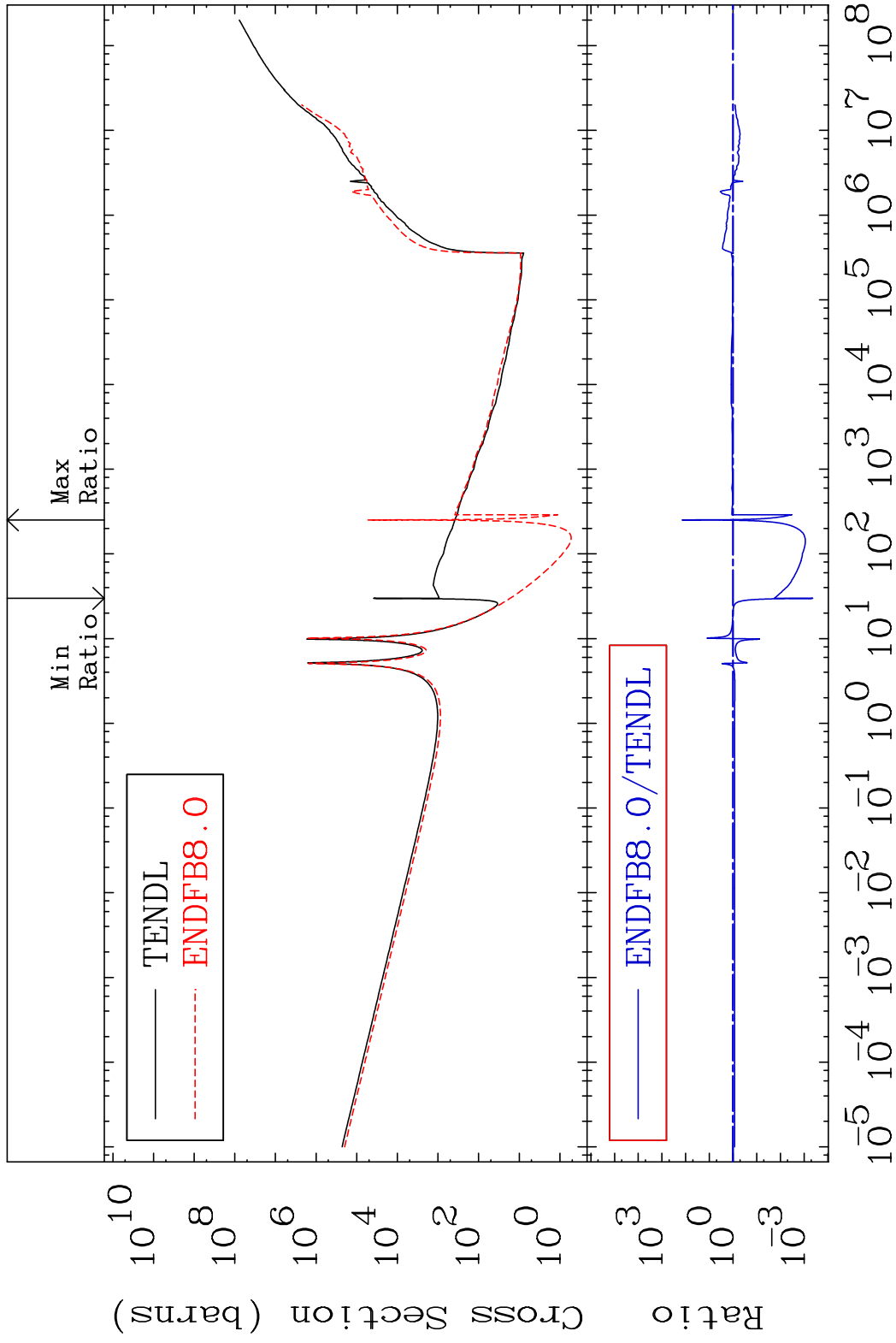


MAT 5425

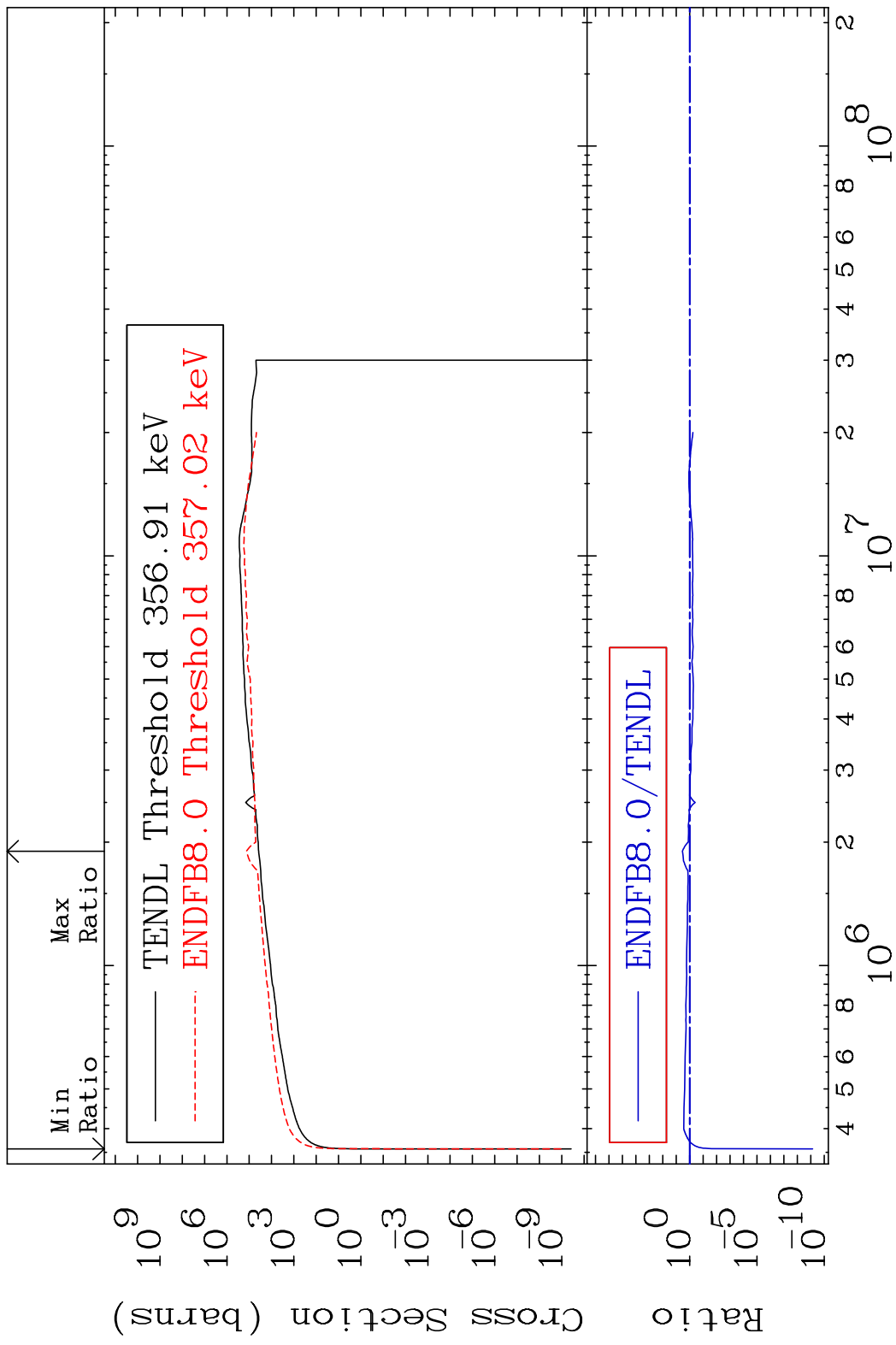
Kerma elastic Cross Section -100.0 To 9999. %
54-Xe-124



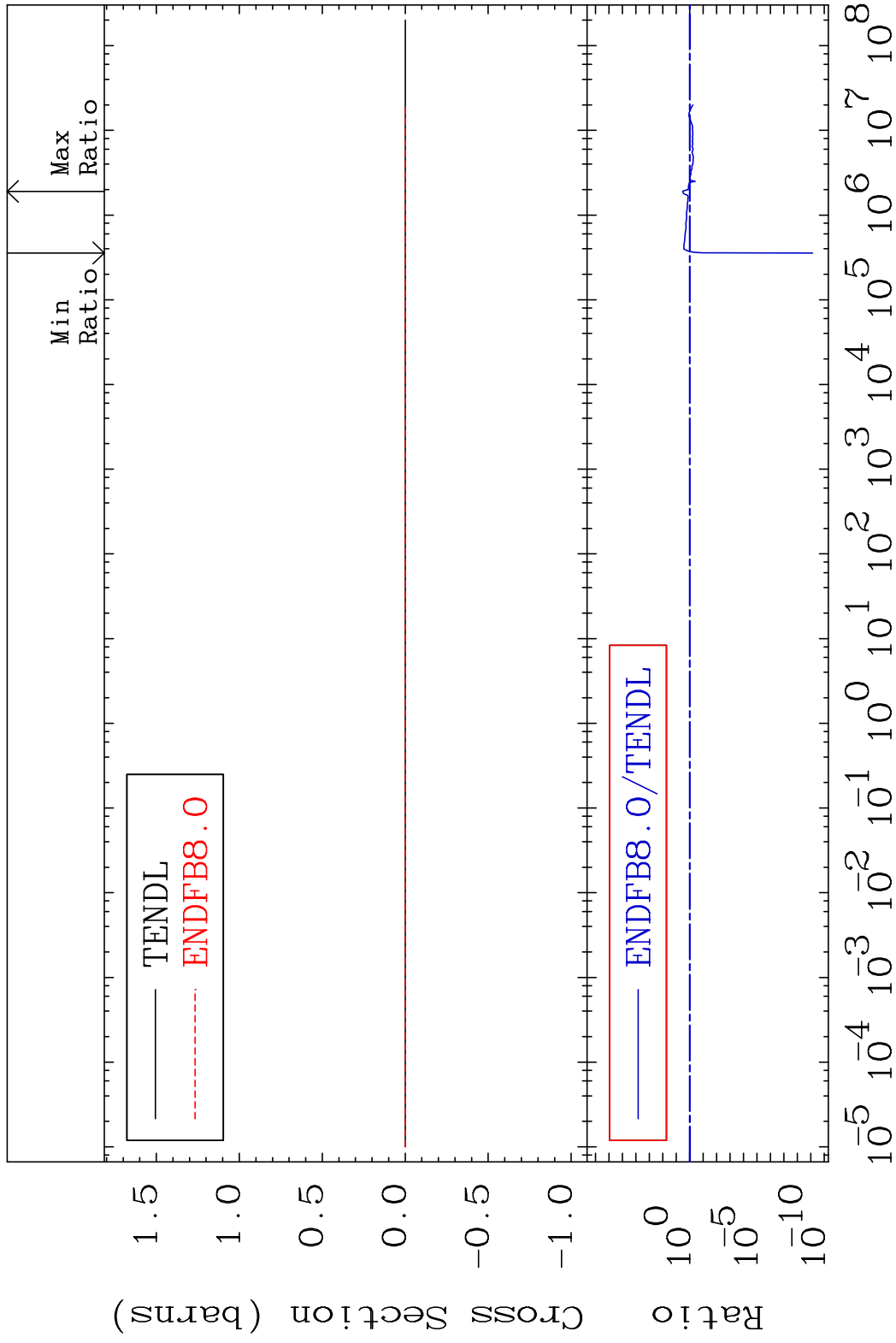
MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124
 Cross Section -99.96 To 9999. %



MAT 5425 Kerma inelastic (mt51-91) 54-Xe-124
 Cross Section -100.0 To 254.5 %

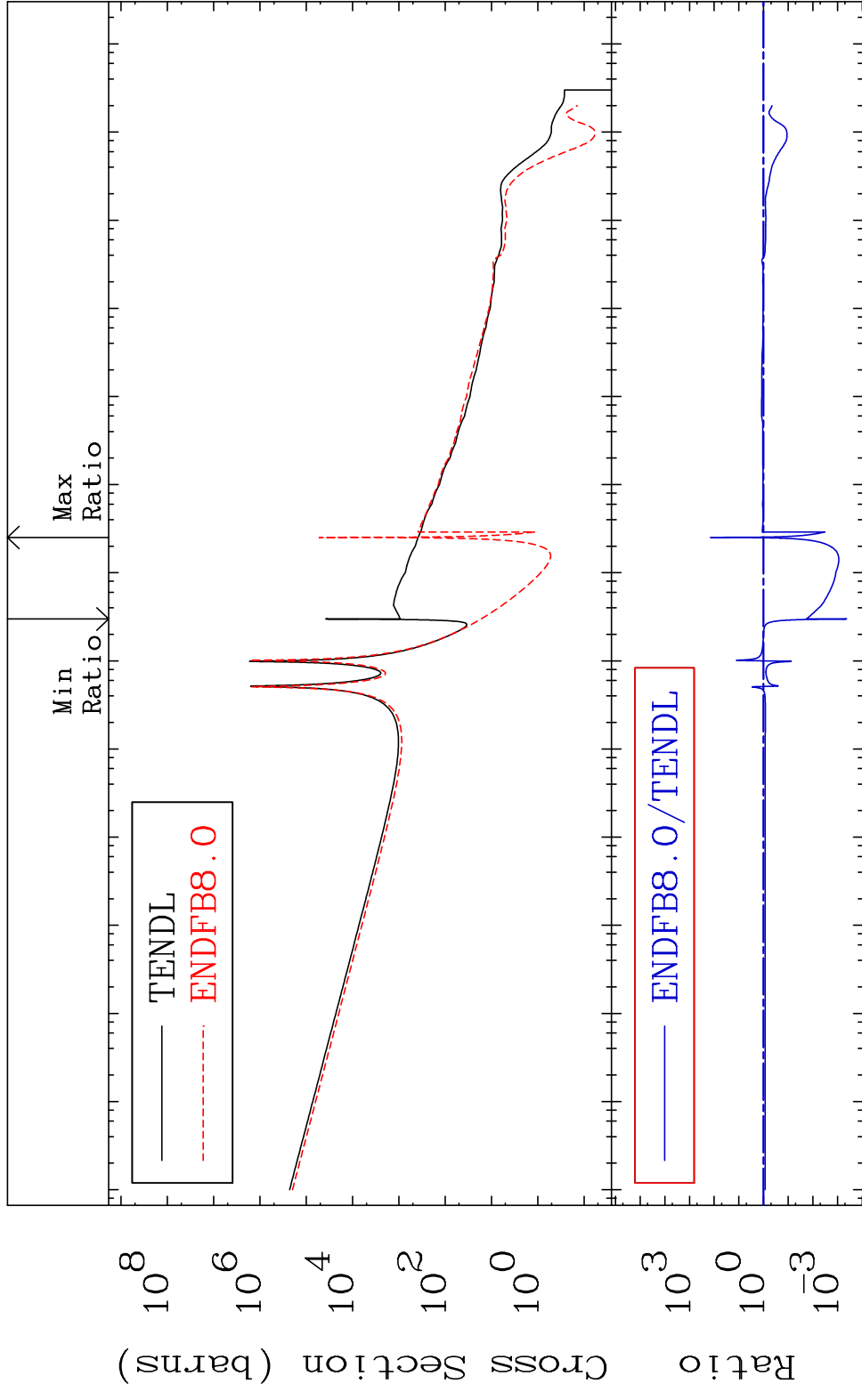


MAT 5425 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-124
 Cross Section -100.0 To 254.5 %

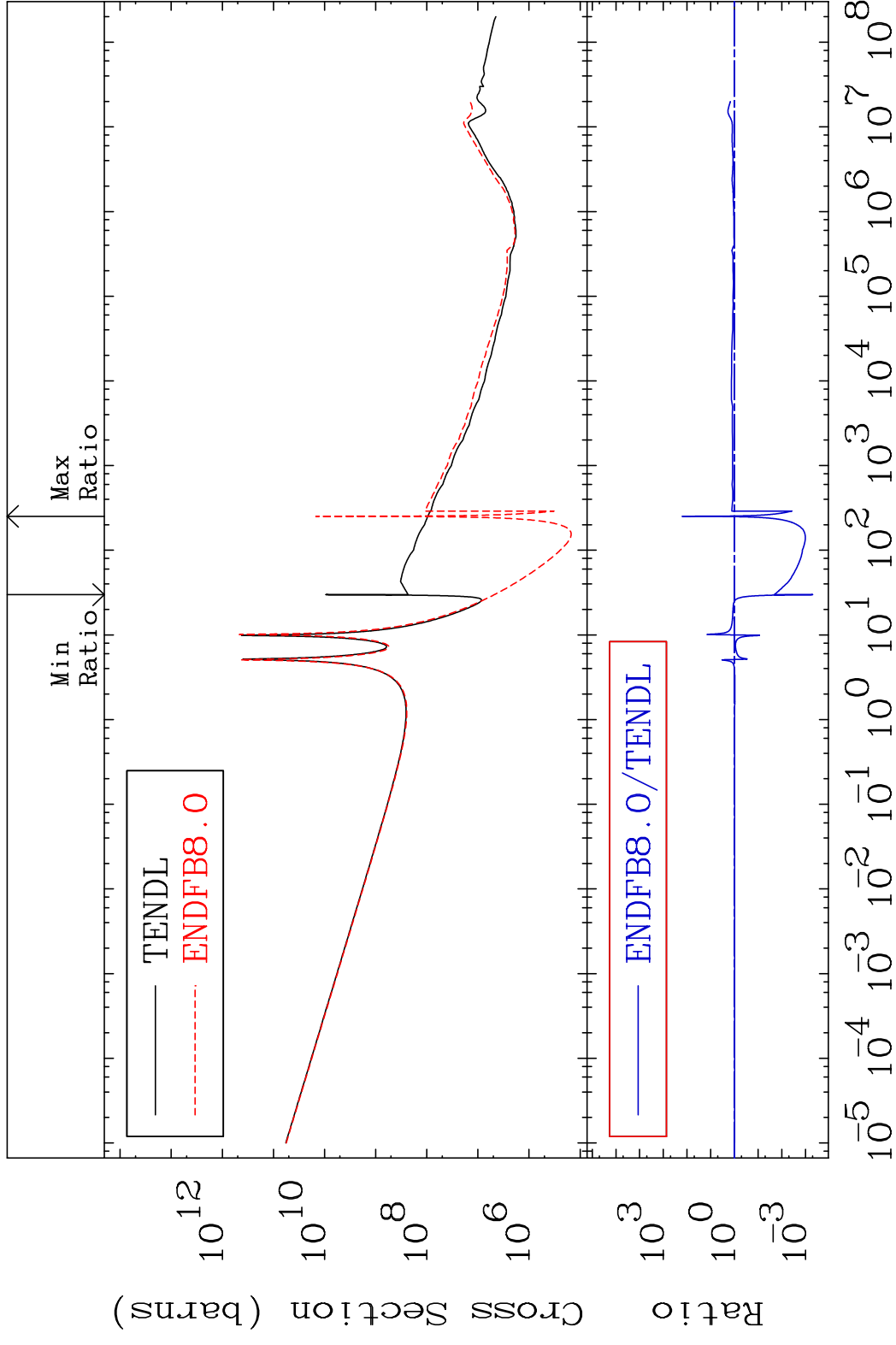


MAT 5425

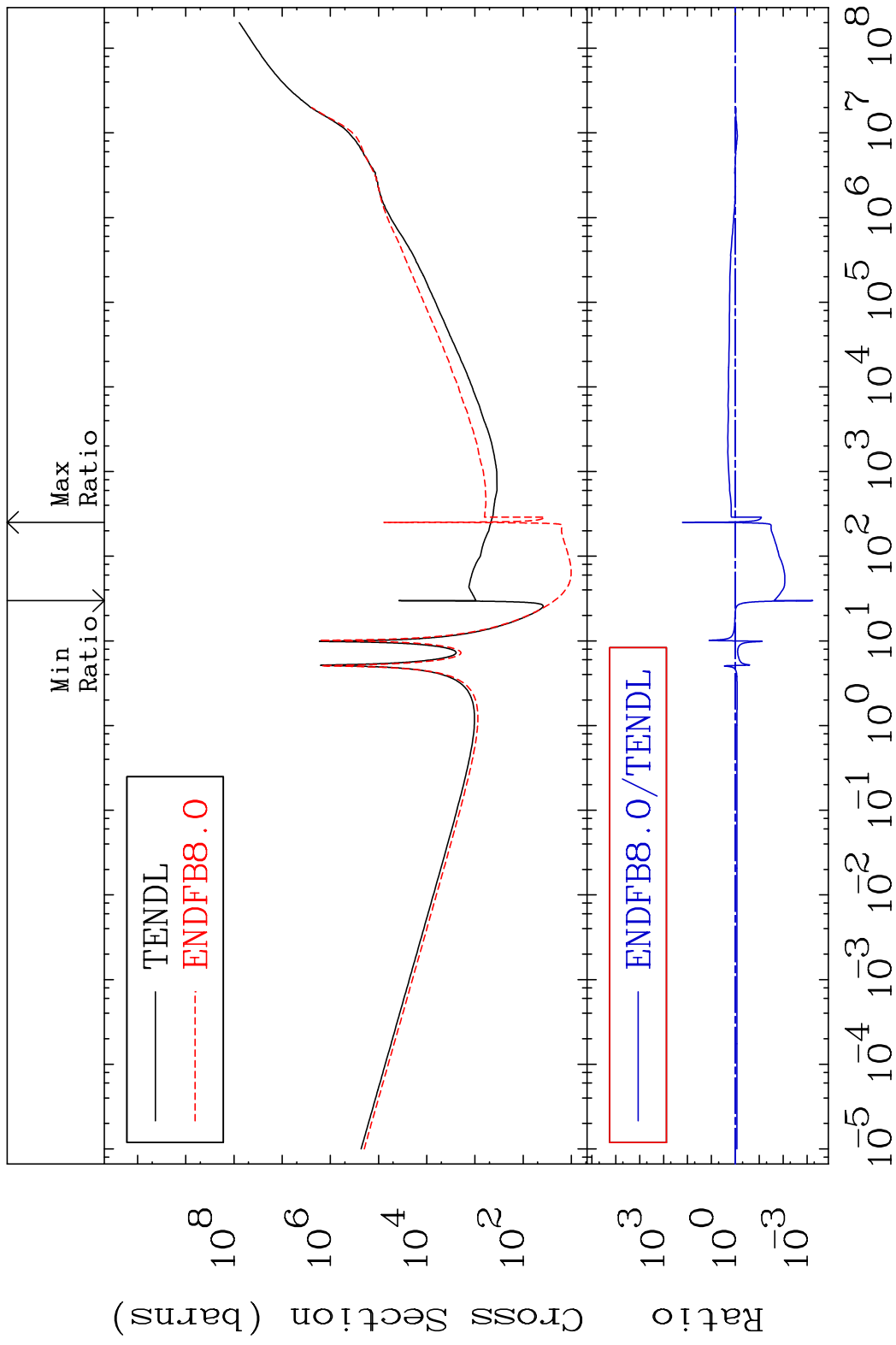
Kerma capture (mt102) 54-Xe-124
Cross Section -99.96 To 9999. %



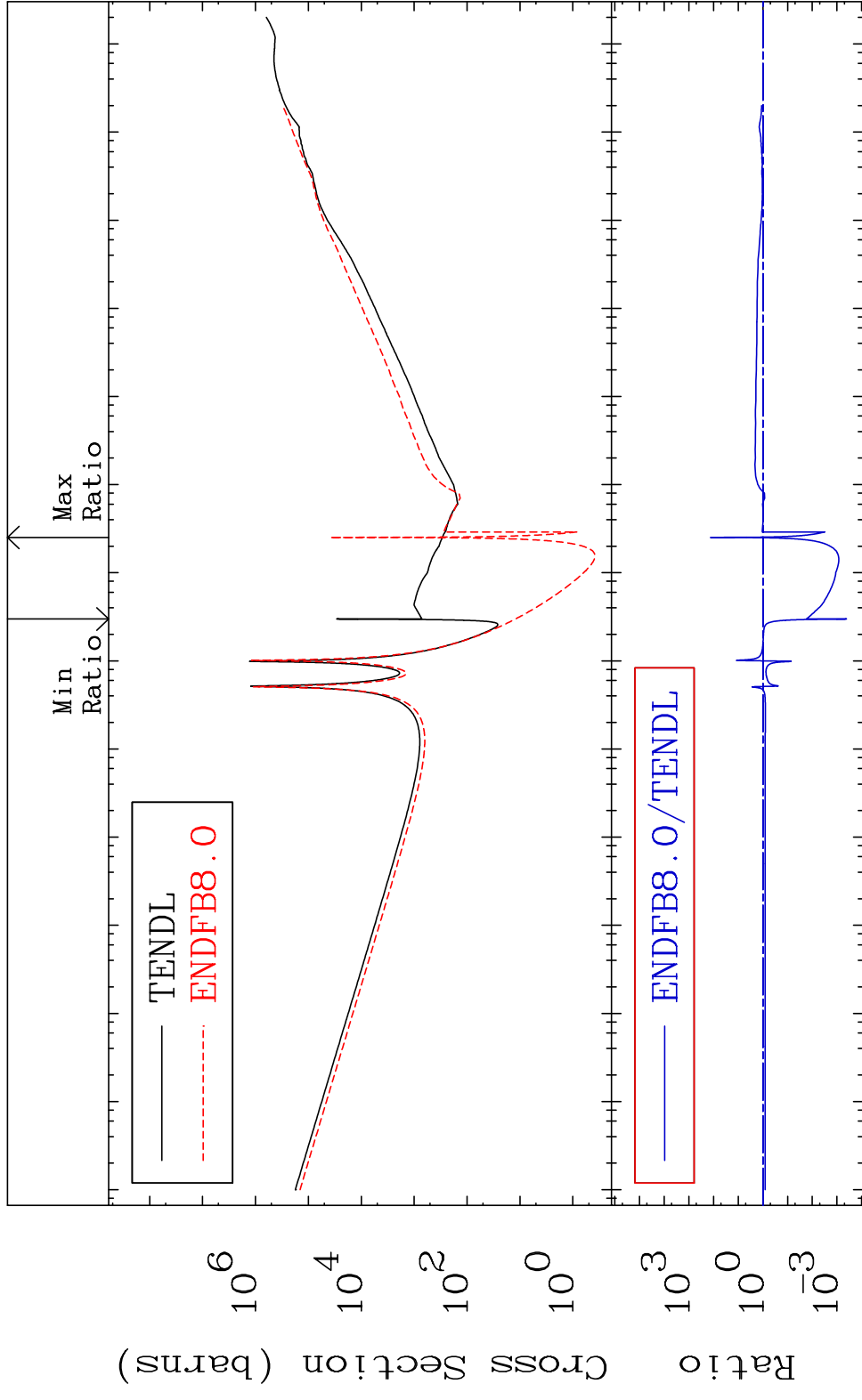
MAT 5425 Total photon (eV-barns) 54-Xe-124
 Cross Section -99.95 To 9999. %



MAT 5425 Total kinematic kerma (high limit) 54-Xe-124
 Cross Section -99.94 To 9999. %



MAT 5425 Dpa total (eV-barns) 54-Xe-124
 Cross Section -99.96 To 9999. %



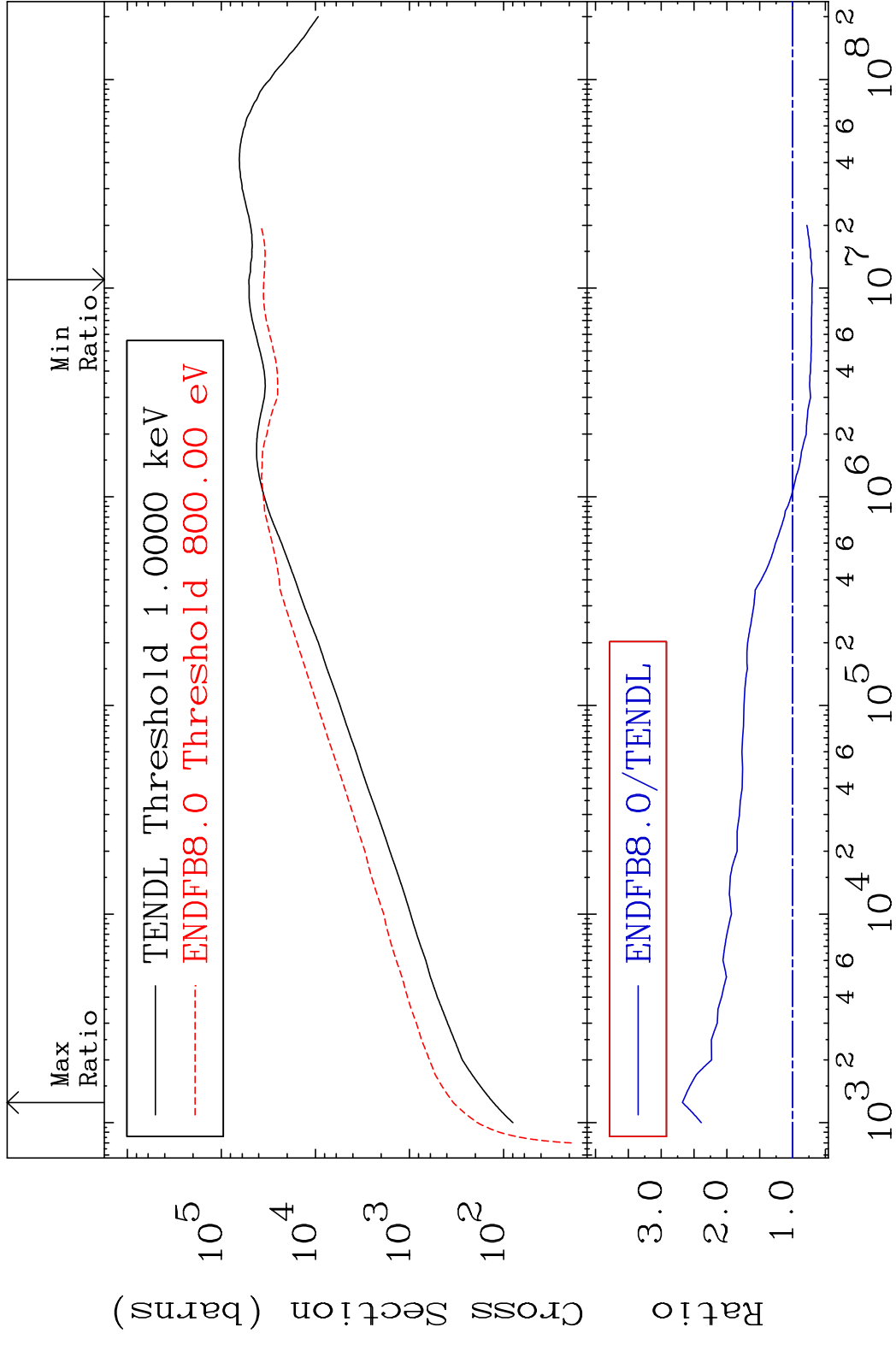
MAT 5425

Dpa elastic (mt2)

54-Xe-124

Cross Section

-30.62 To 167.7 %

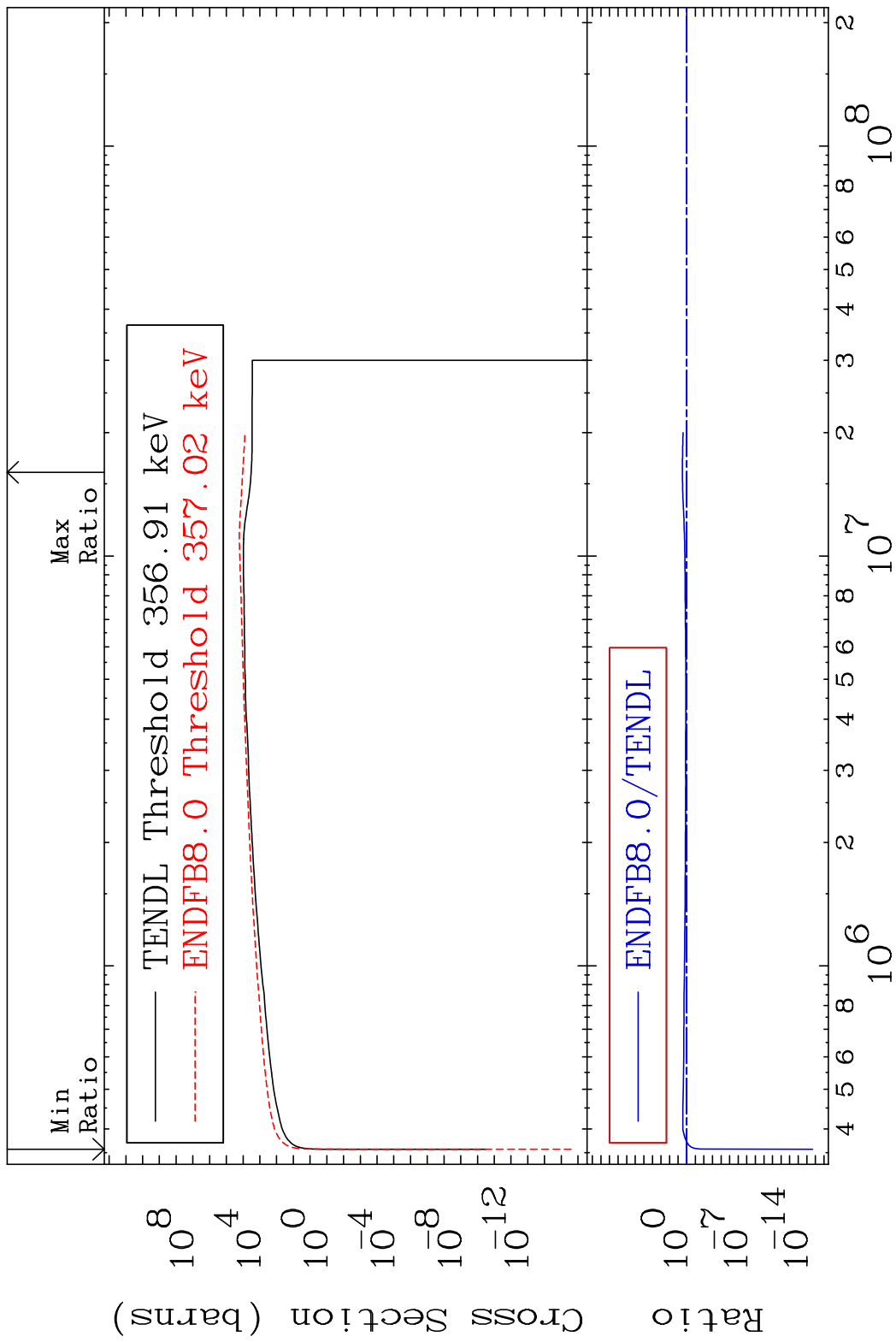


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Incident Energy (eV)

54-Xe-124

MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124
Cross Section -100.0 To 223.1 %



MAT 5425 Dpa disappearance (mt102 -120) 54-Xe-124
 Cross Section -99.96 To 9999. %

