

Program Complot
(Version 2021-1)

by

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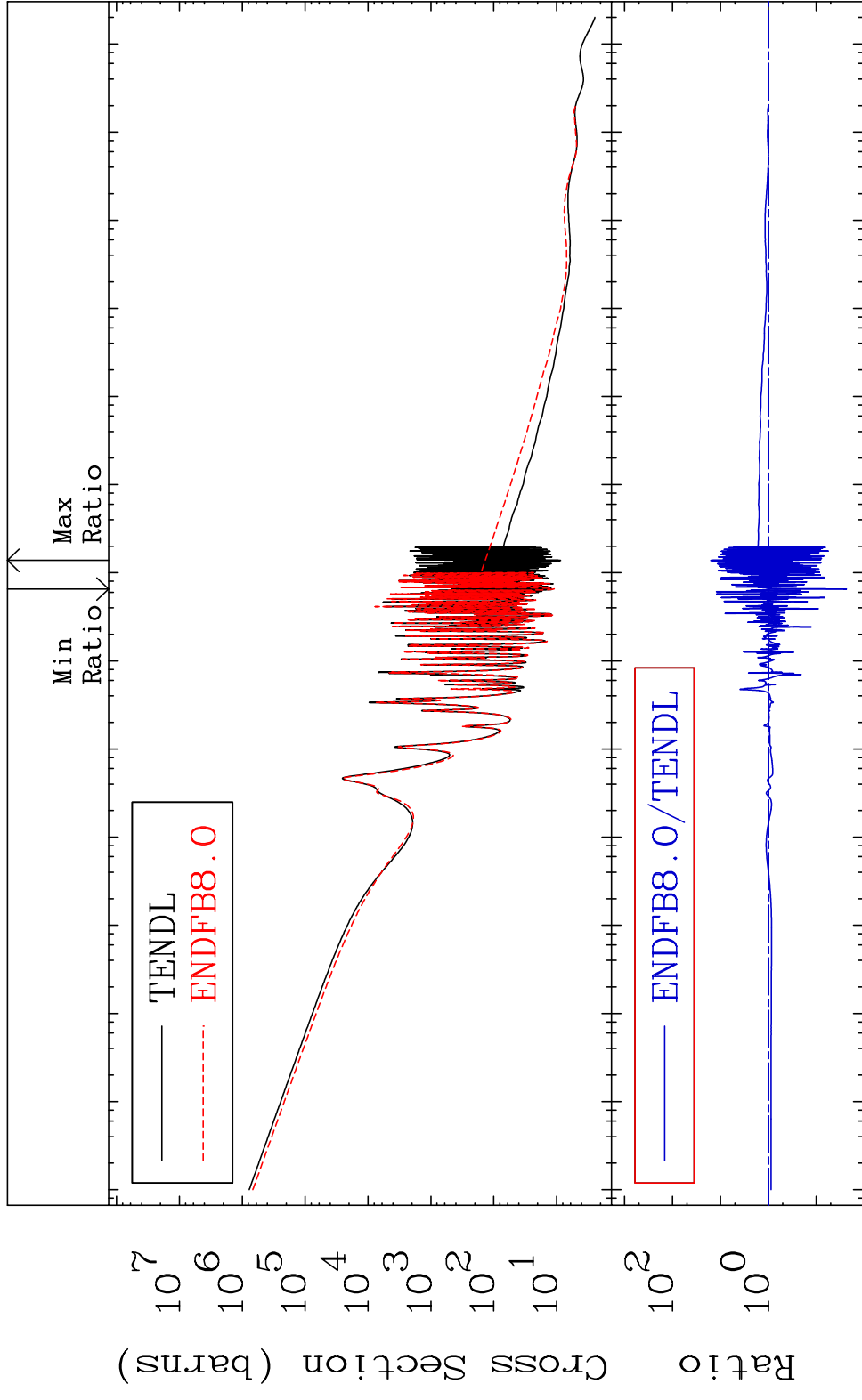
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6325

Total Cross Section -97.64 To 1497. %
63-Eu-151



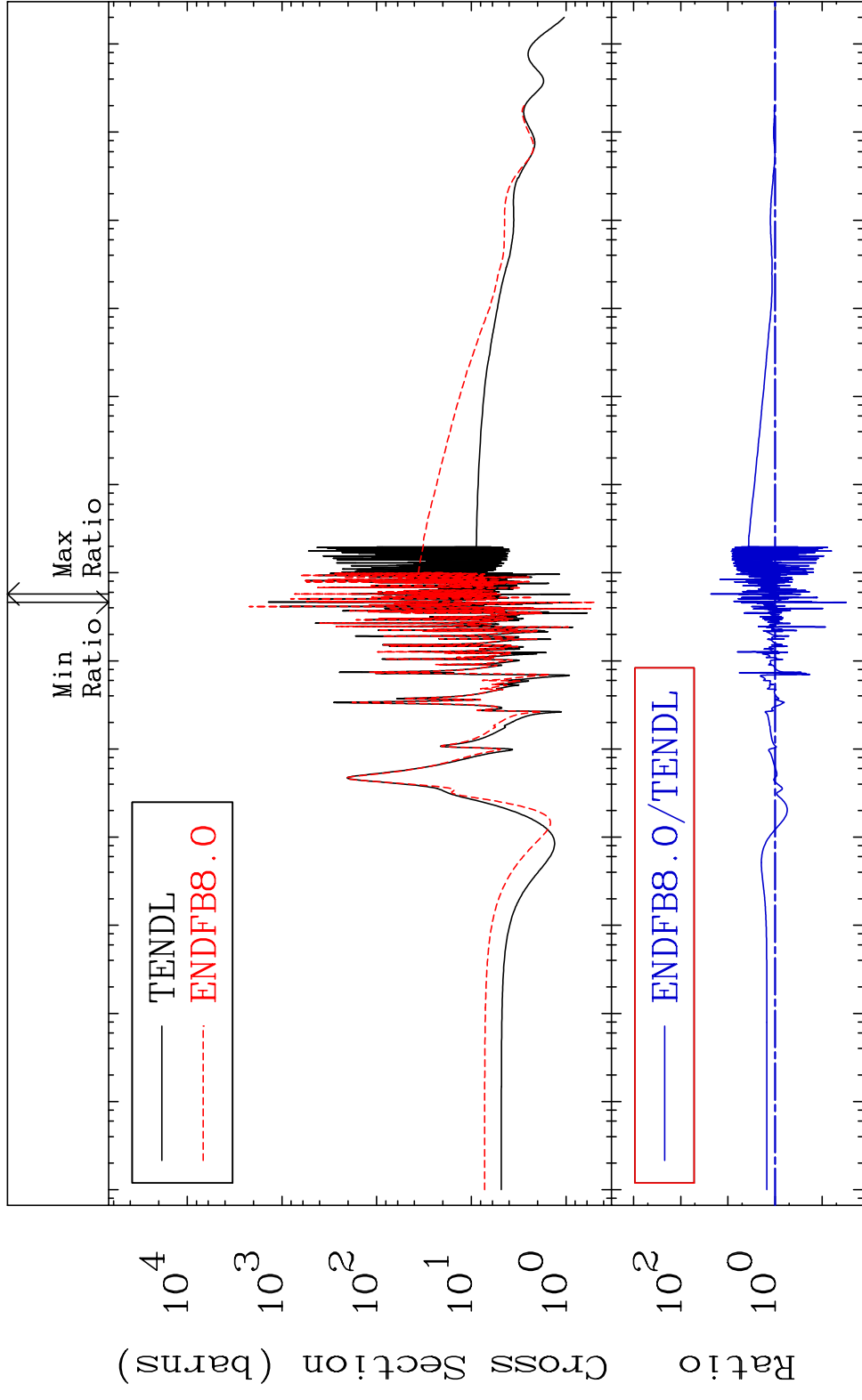
10⁷
10⁶
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

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

1 Incident Energy (eV) 63-Eu-151

MAT 6325

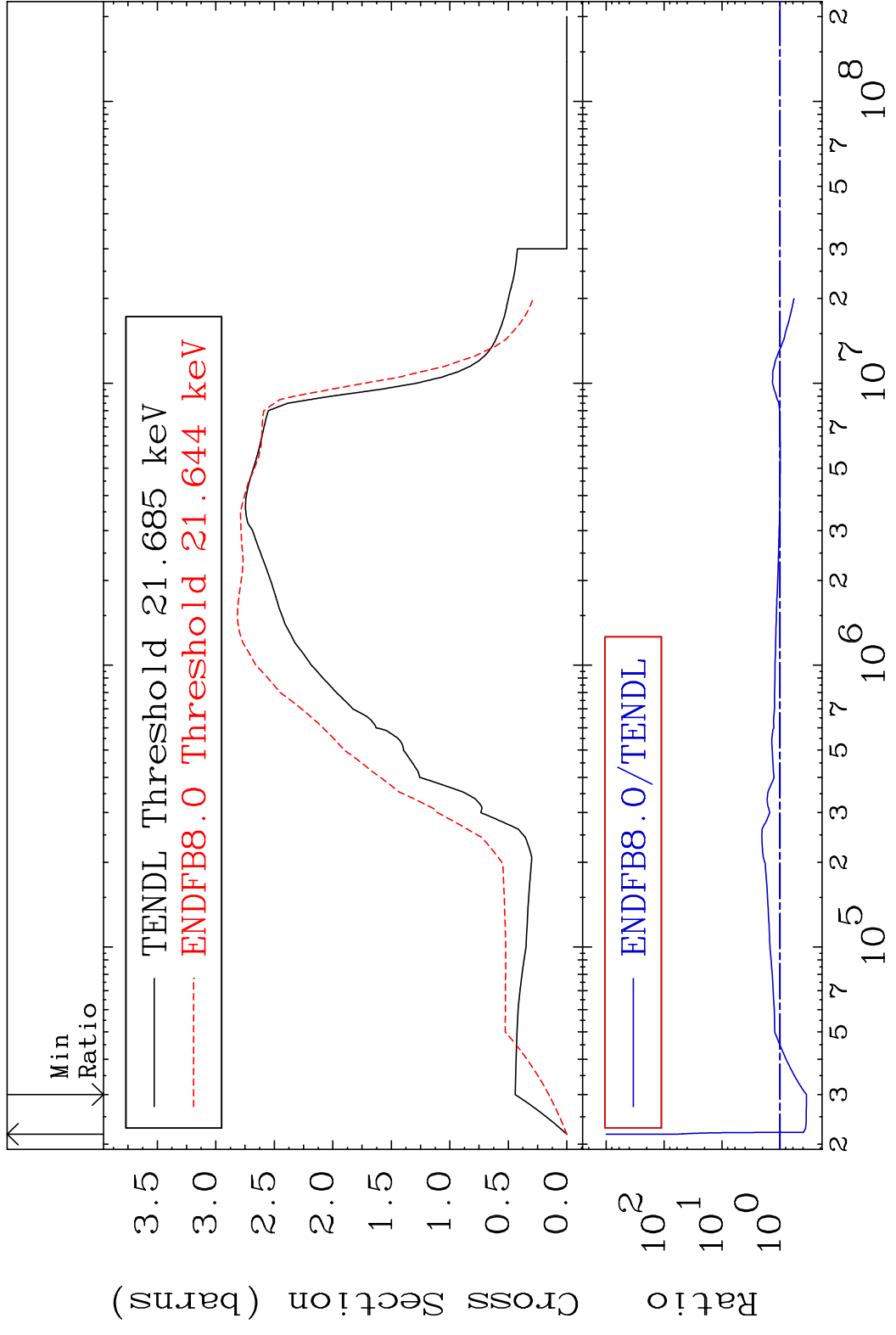
Elastic Cross Section -96.92 To 2216. %
63-Eu-151



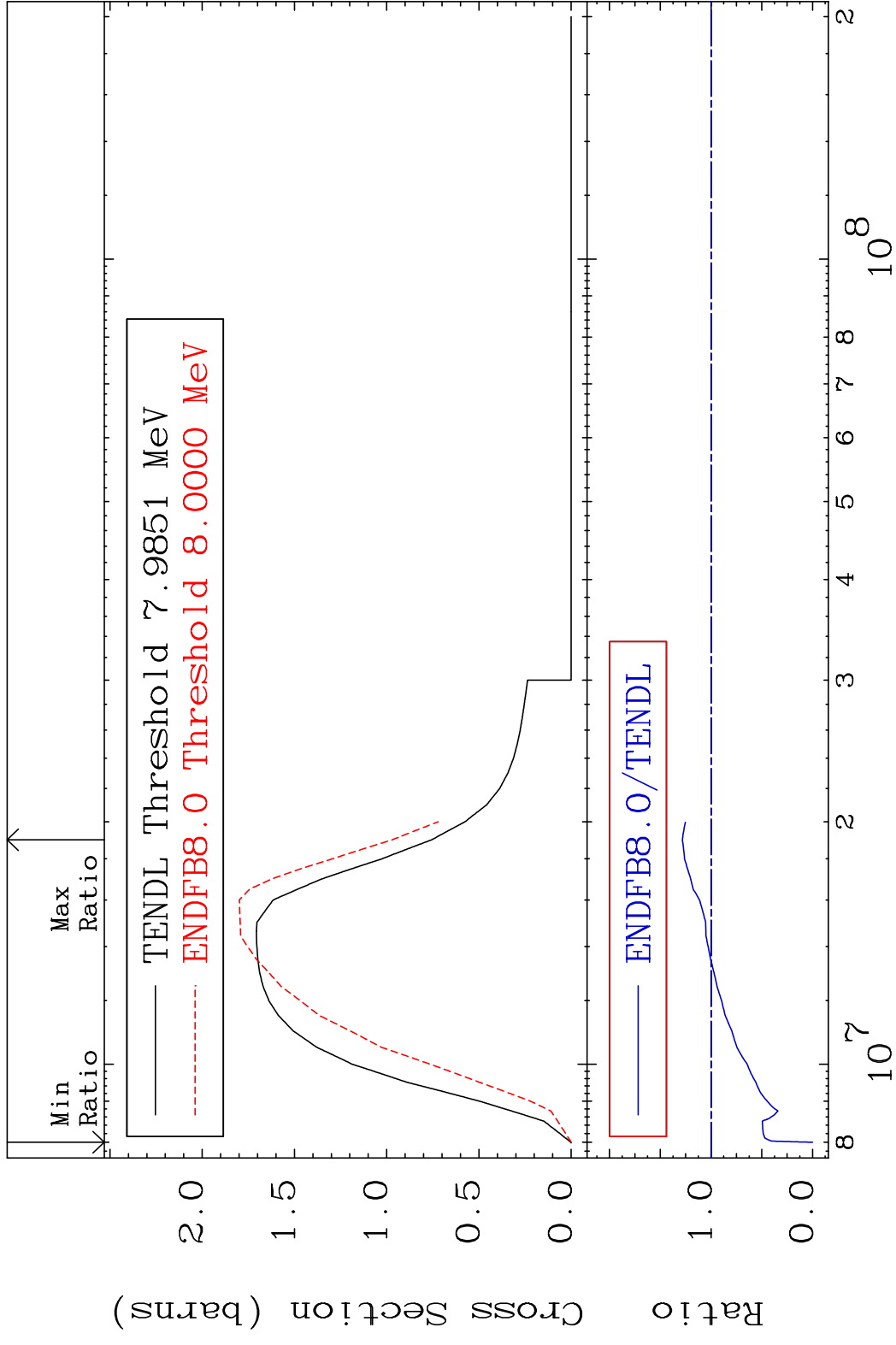
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2 Incident Energy (eV) 63-Eu-151

MAT 6325 Inelastic 63-Eu-151
 Cross Section -64.93 To 5862. %



MAT 6325 (n,2n) 63-Eu-151
 Cross Section -100.0 To 28.25 %



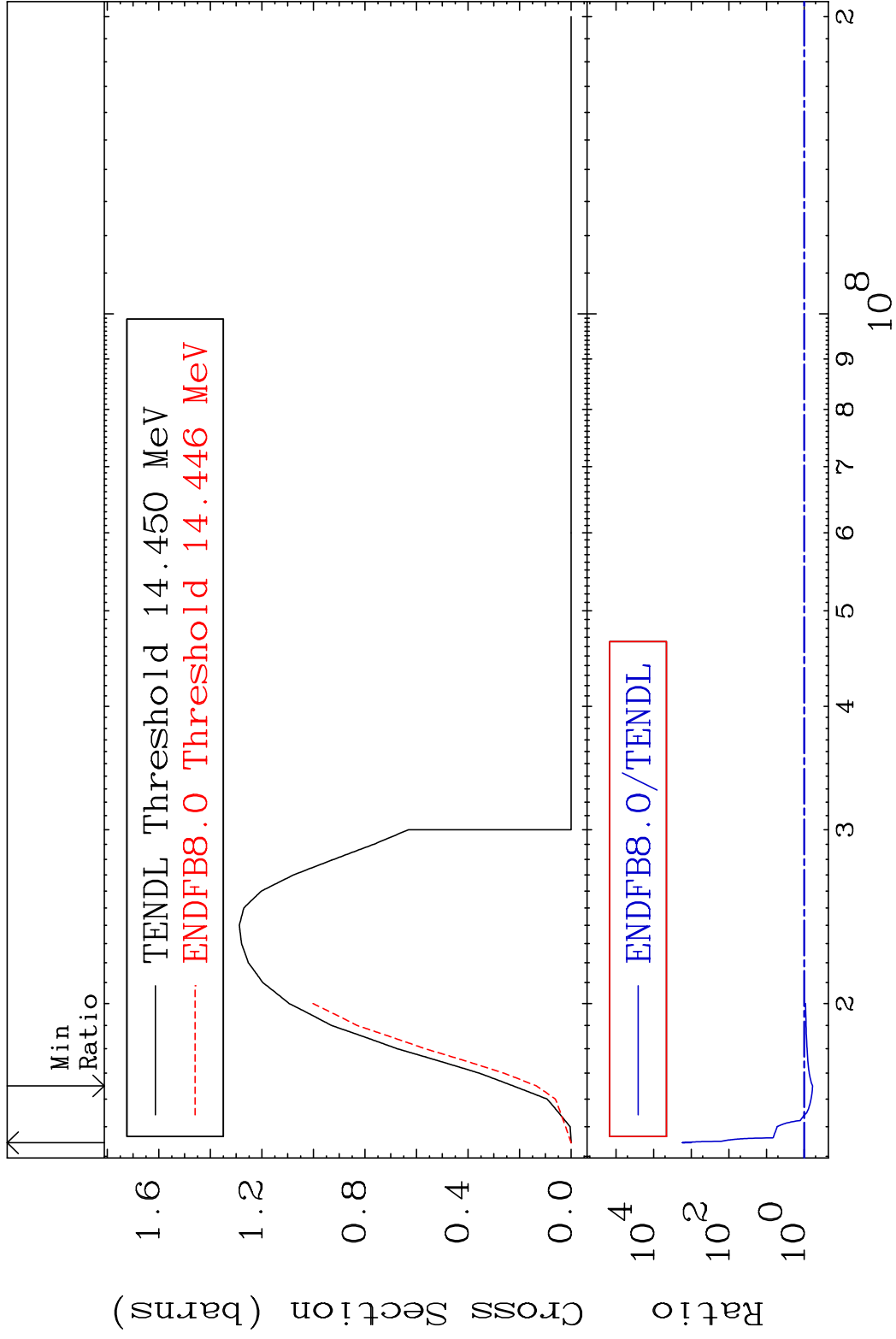
4 Incident Energy (eV) 63-Eu-151

MAT 6325

(n,3n)

63-Eu-151

Cross Section -40.08 To 9999. %



5

Incident Energy (eV)

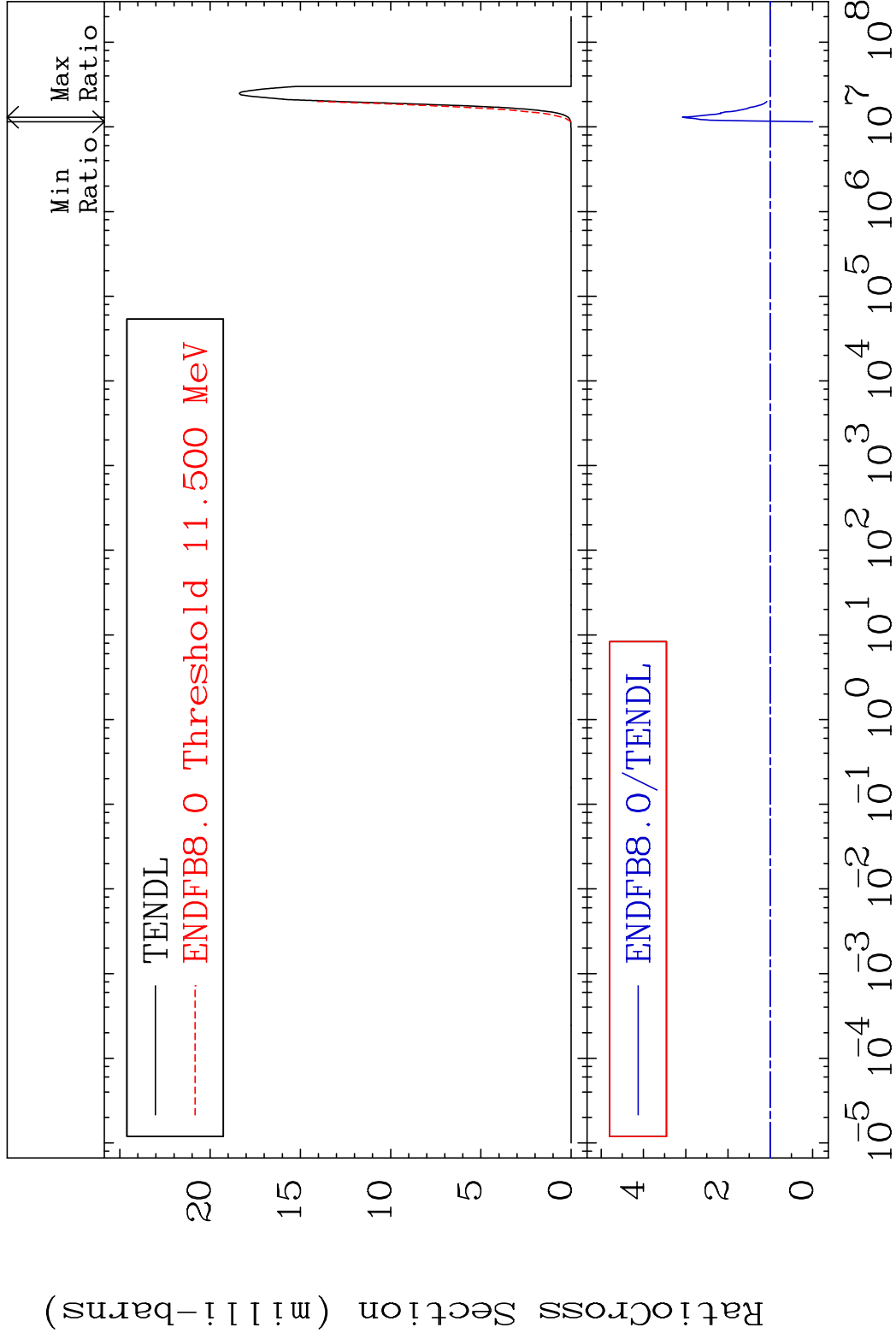
63-Eu-151

MAT 6325

(n, n') α

63-Eu-151

Cross Section -100.0 To 207.9 %

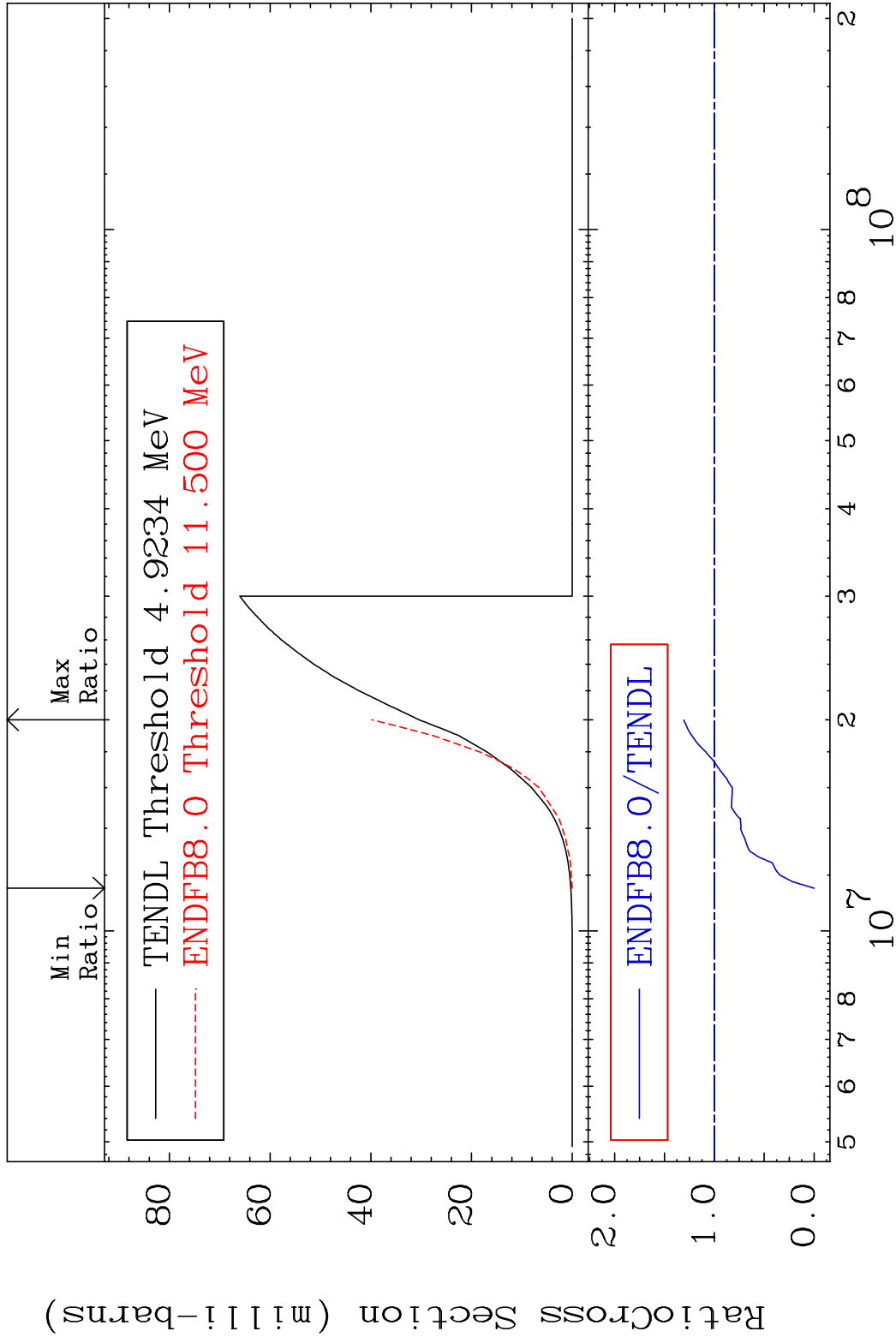


MAT 6325

(n, n') p

63-Eu-151

Cross Section -100.0 To 30.76 %

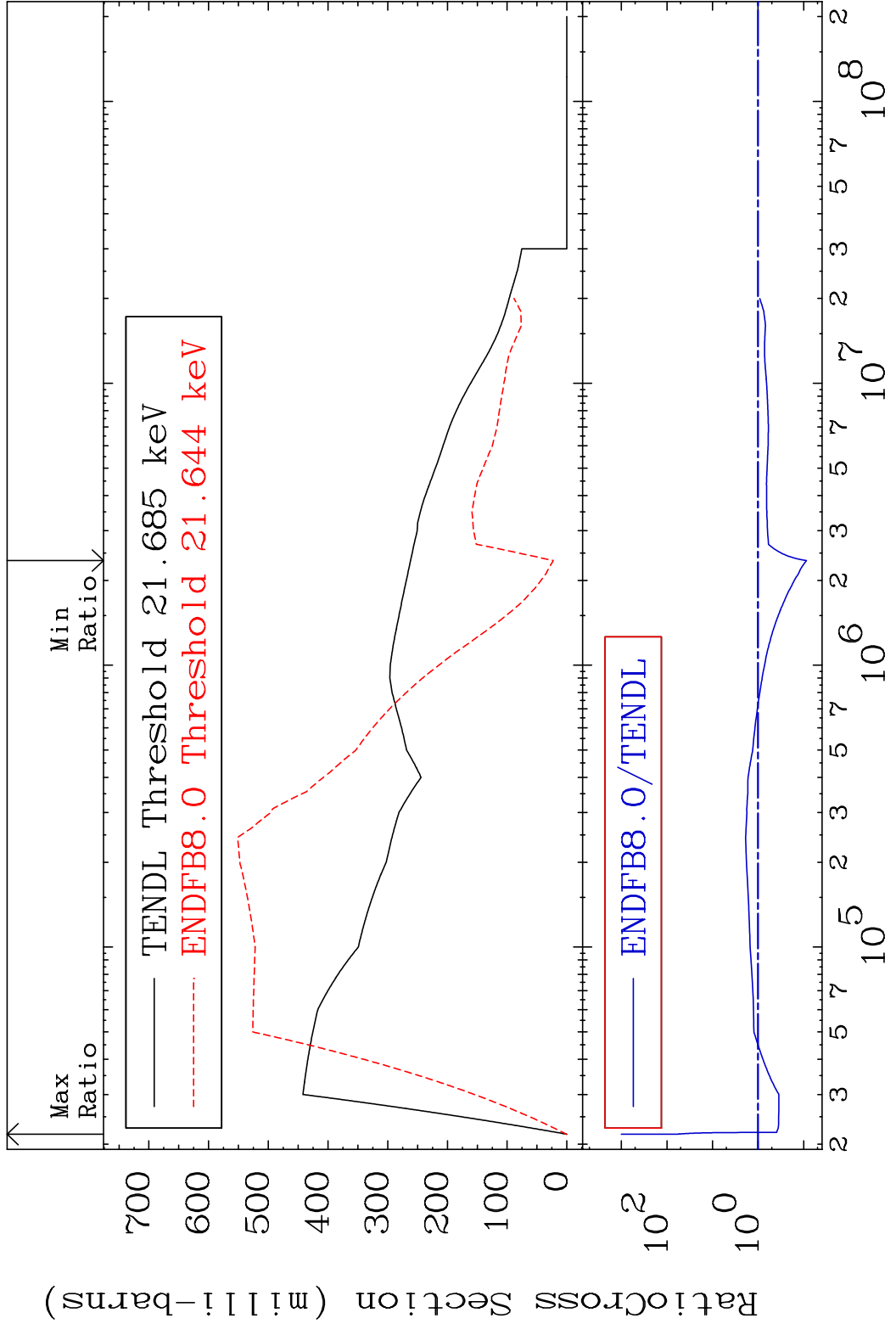


7

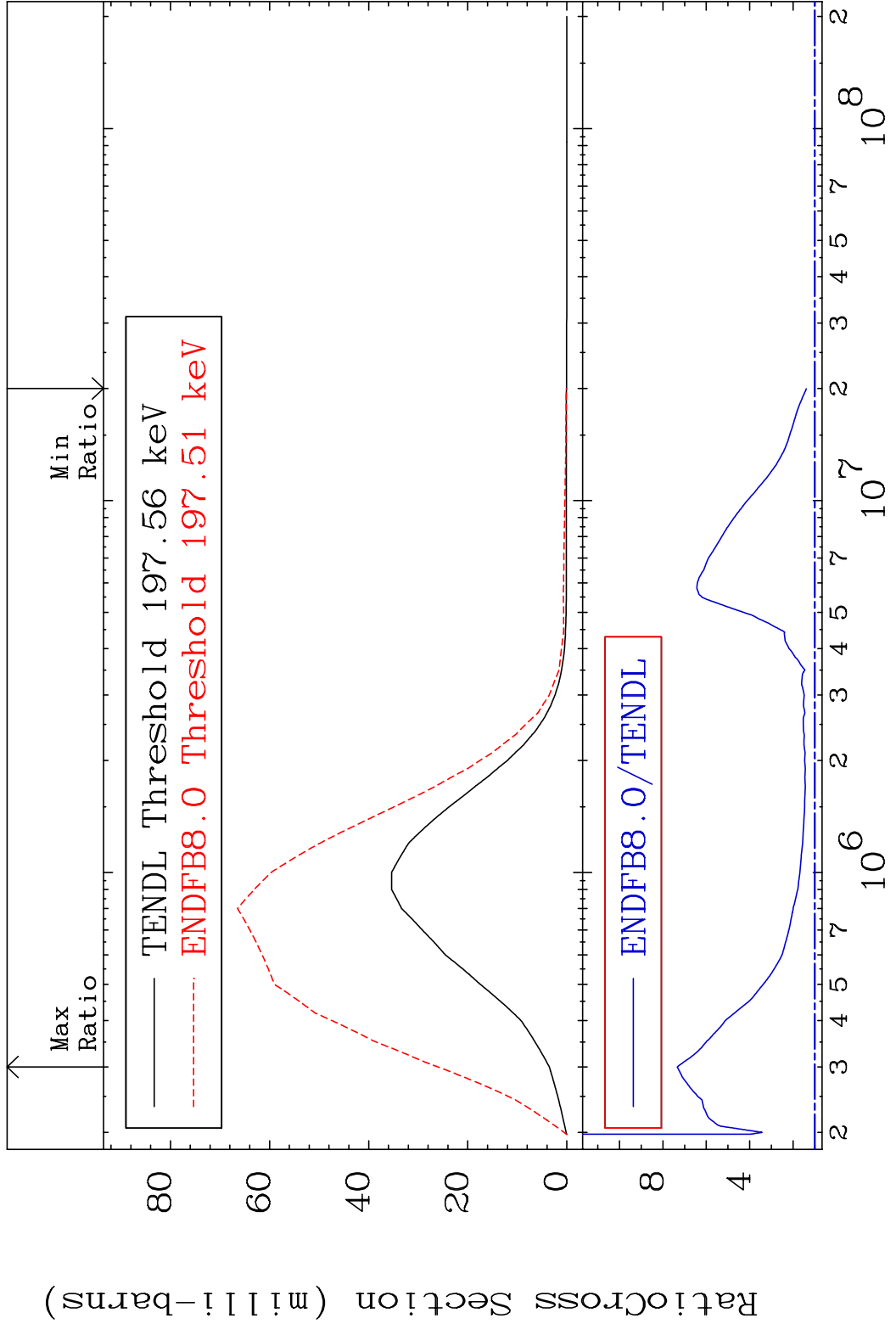
Incident Energy (eV)

63-Eu-151

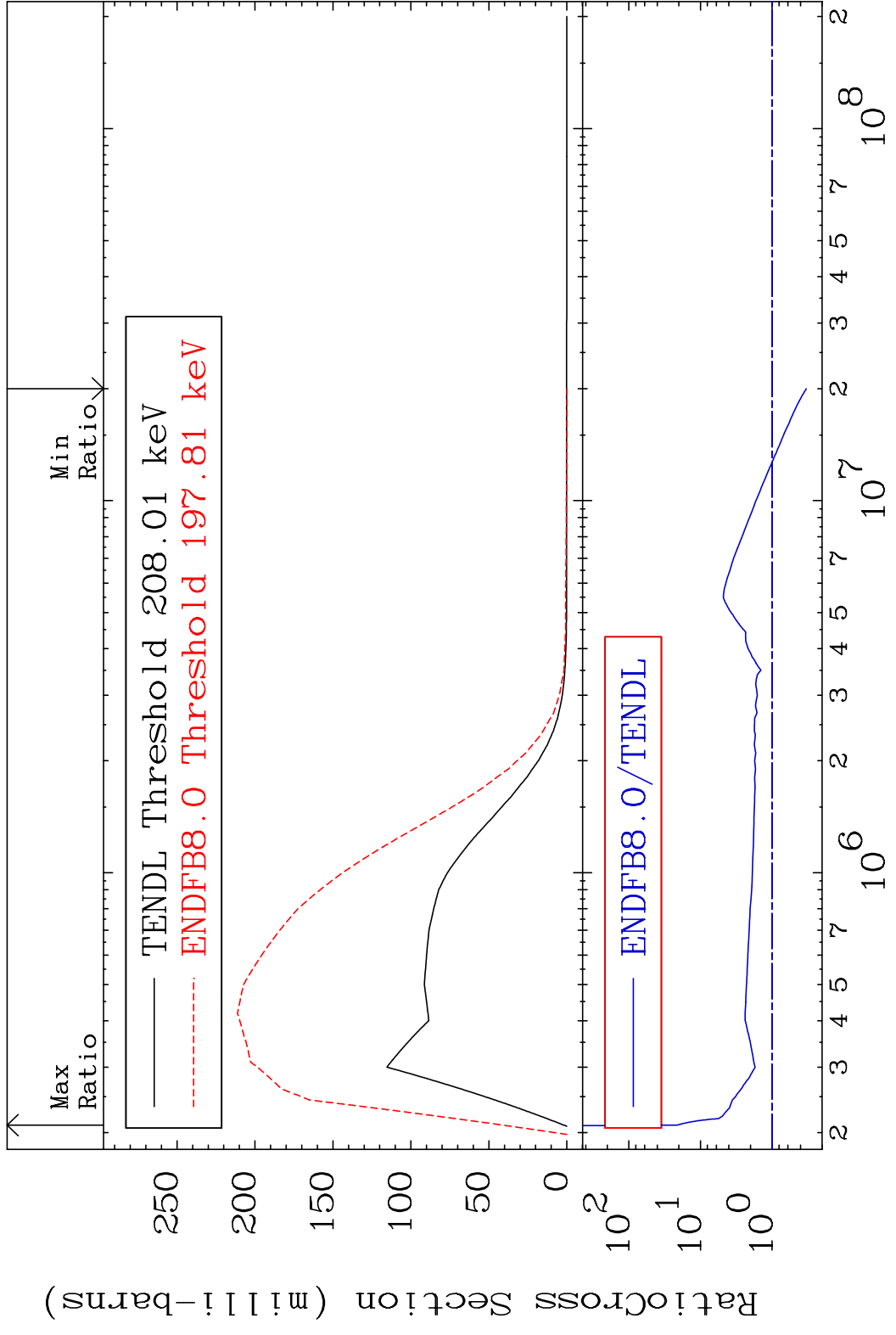
MAT 6325 MT= 51 (n, n') Level 63-Eu-151
 Cross Section -91.27 To 5862. %



MAT 6325 MT= 52 (n, n') Level 63-Eu-151
 Cross Section 38.39 To 634.2 %

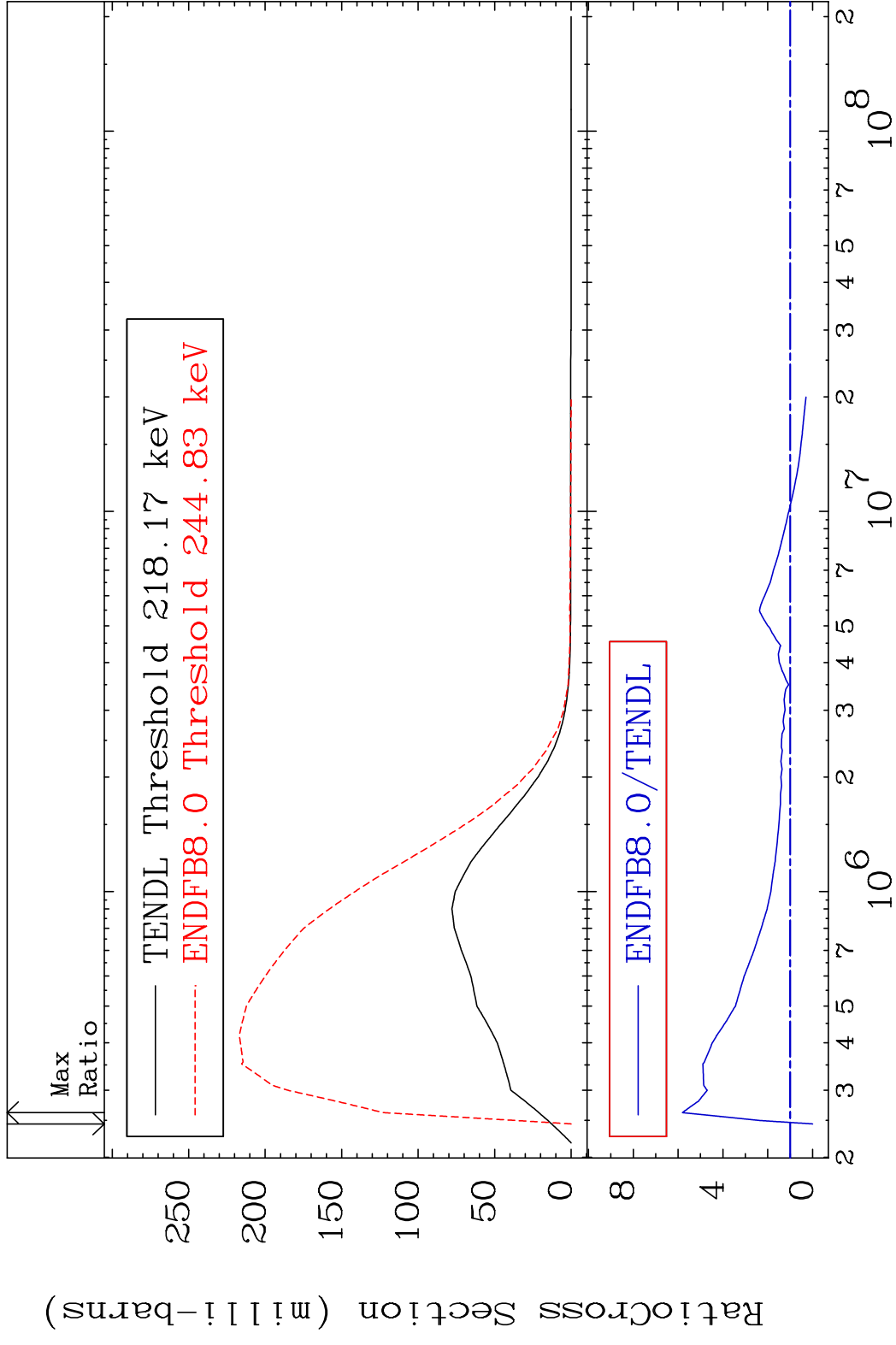


MAT 6325 MT= 53 (n,n') Level 63-Eu-151
 Cross Section -66.90 To 2013. %

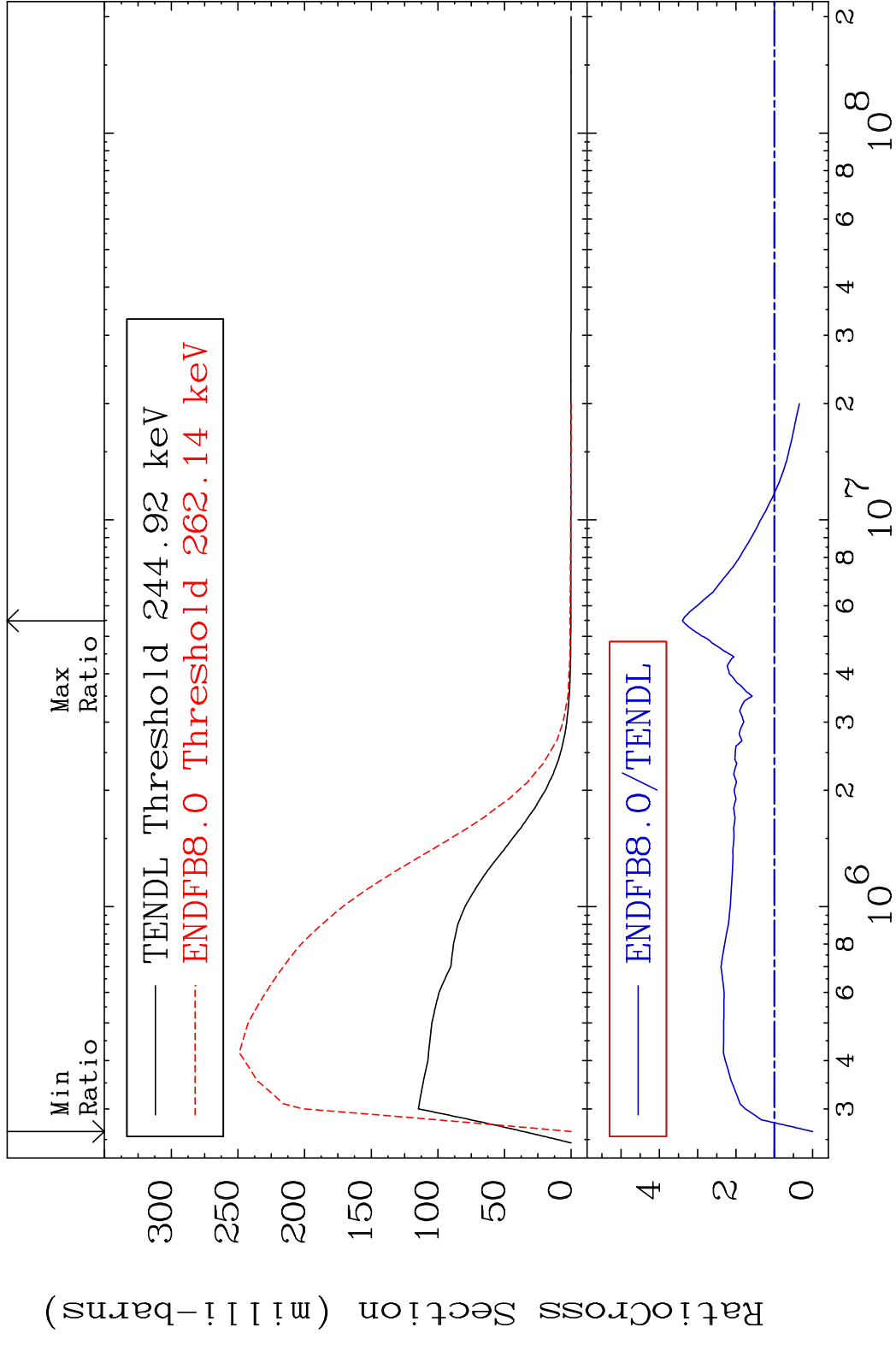


10 Incident Energy (eV) 63-Eu-151

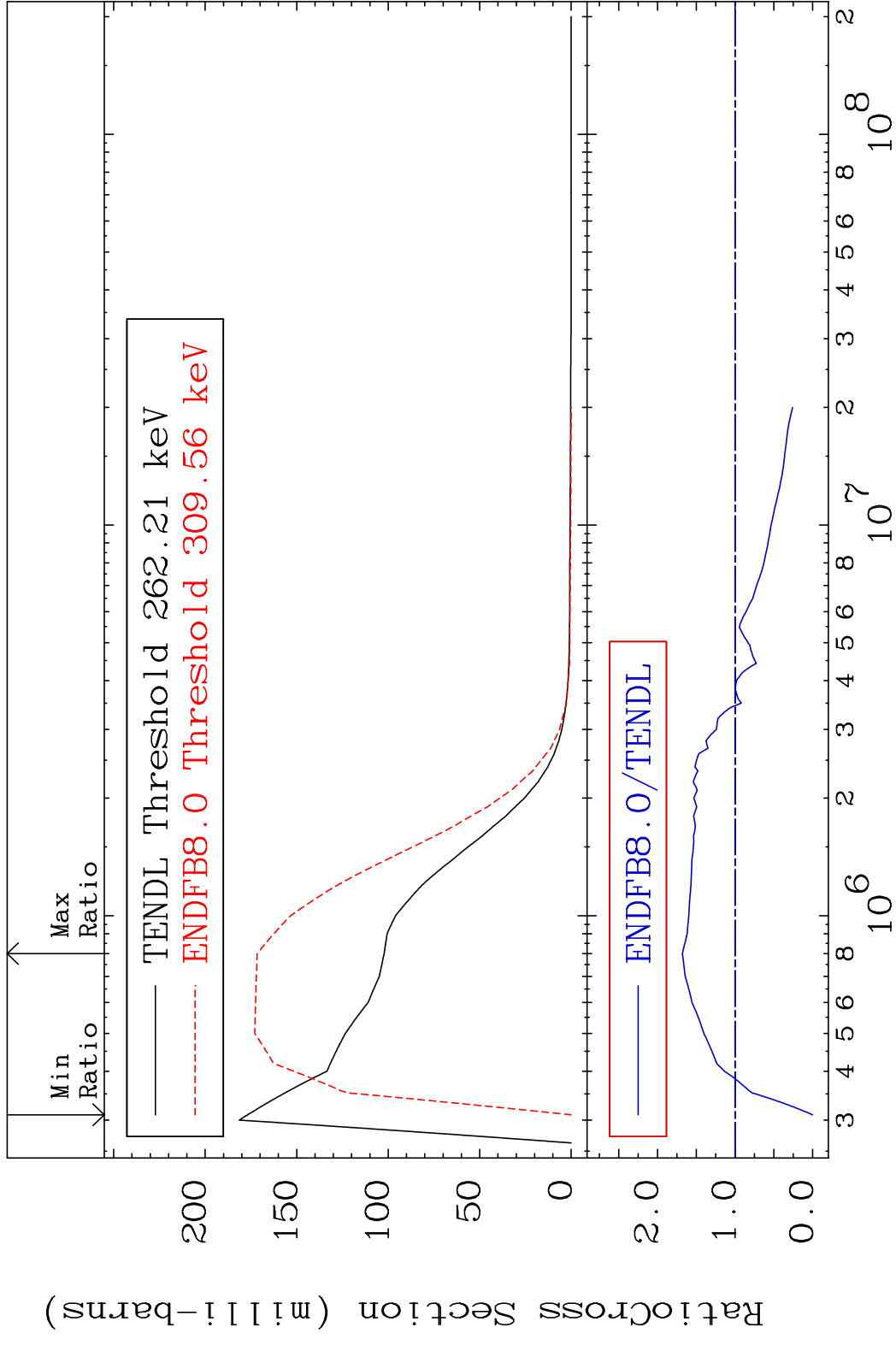
MAT 6325 MT= 54 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 481.0 %



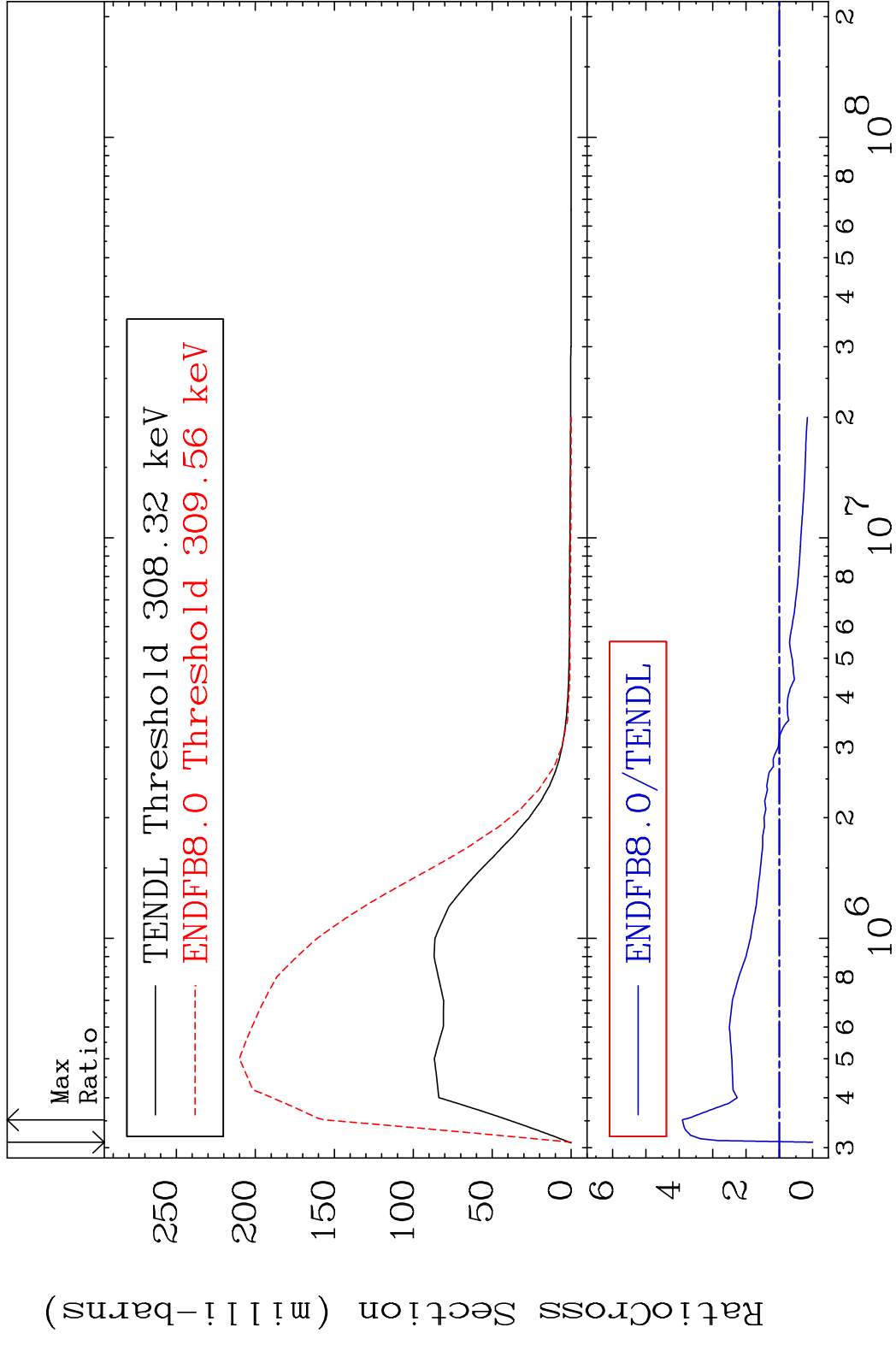
MAT 6325 MT= 55 (n, n') Level 63-Eu-151
 Cross Section -100.0 To 240.1 %



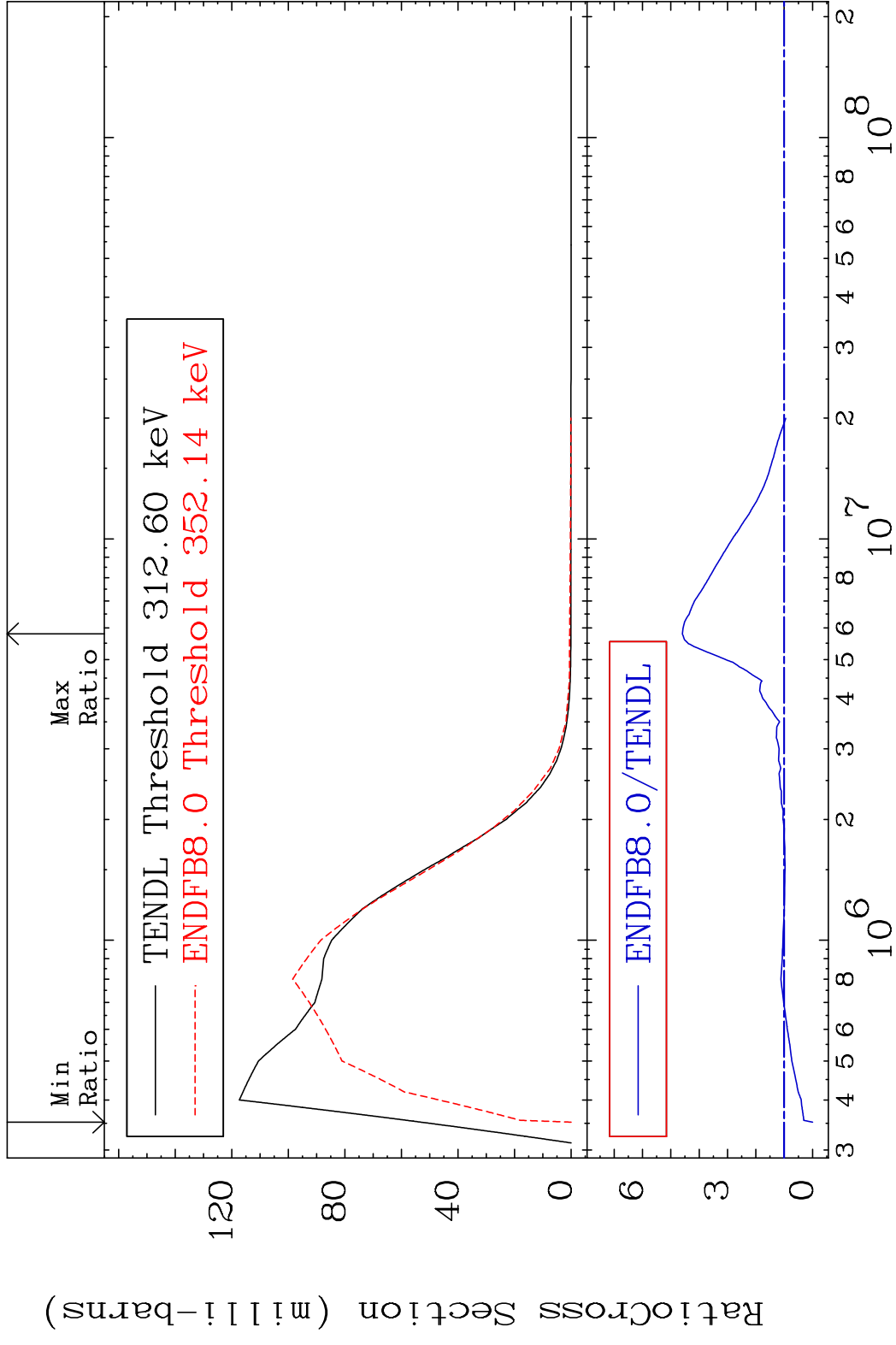
MAT 6325 MT= 56 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 67.88 %



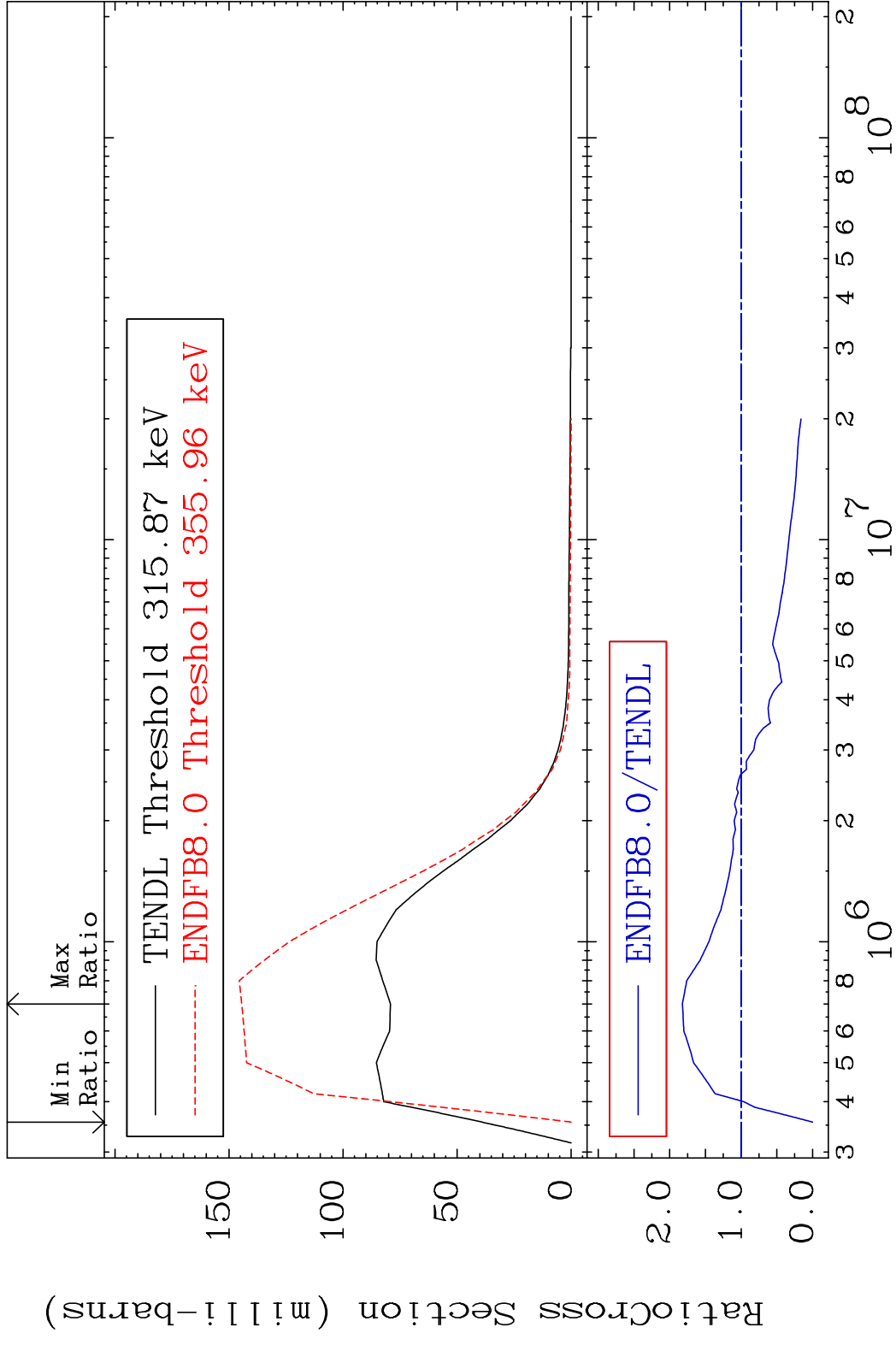
MAT 6325 MT= 57 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 290.9 %



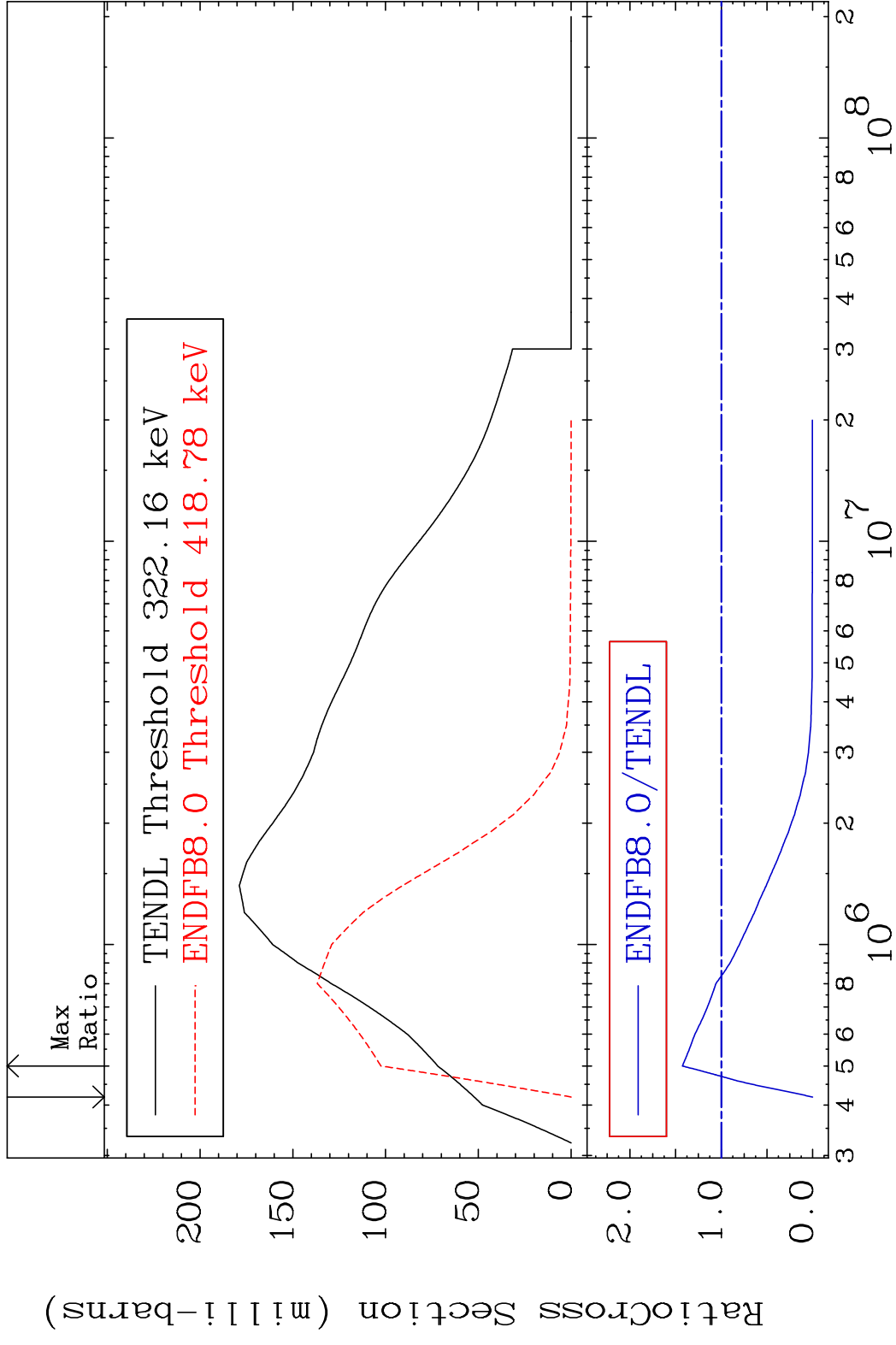
MAT 6325 MT= 58 (n, n') Level 63-Eu-151
 Cross Section -100.0 To 359.4 %



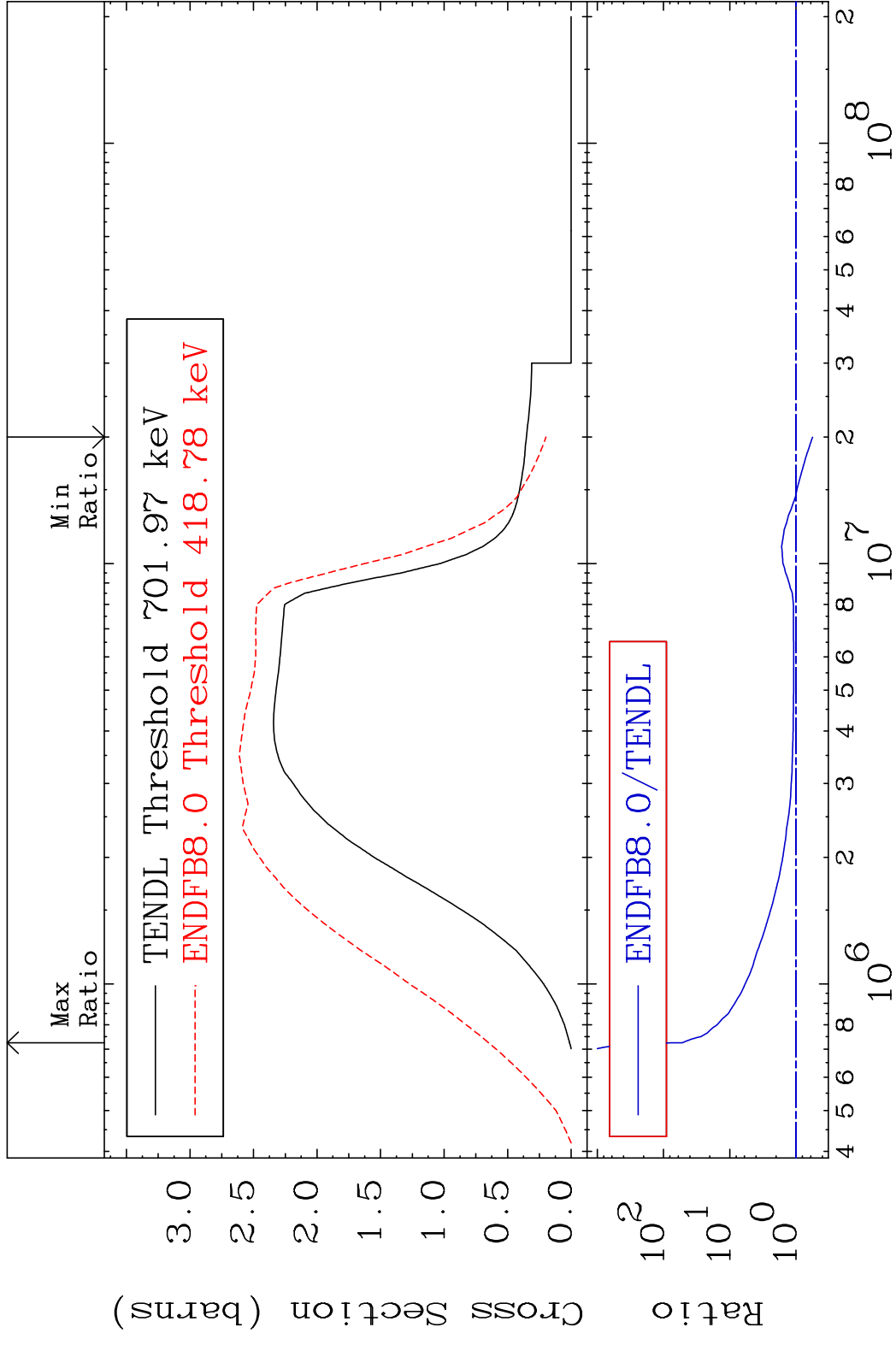
MAT 6325 MT= 59 (n,n') Level 63-Eu-151
 Cross Section -100.0 To 82.25 %



MAT 6325 MT= 60 (n, n') Level 63-Eu-151
 Cross Section -100.0 To 42.64 %



MAT 6325 (n, n') Continuum 63-Eu-151
 Cross Section -43.75 To 5093. %

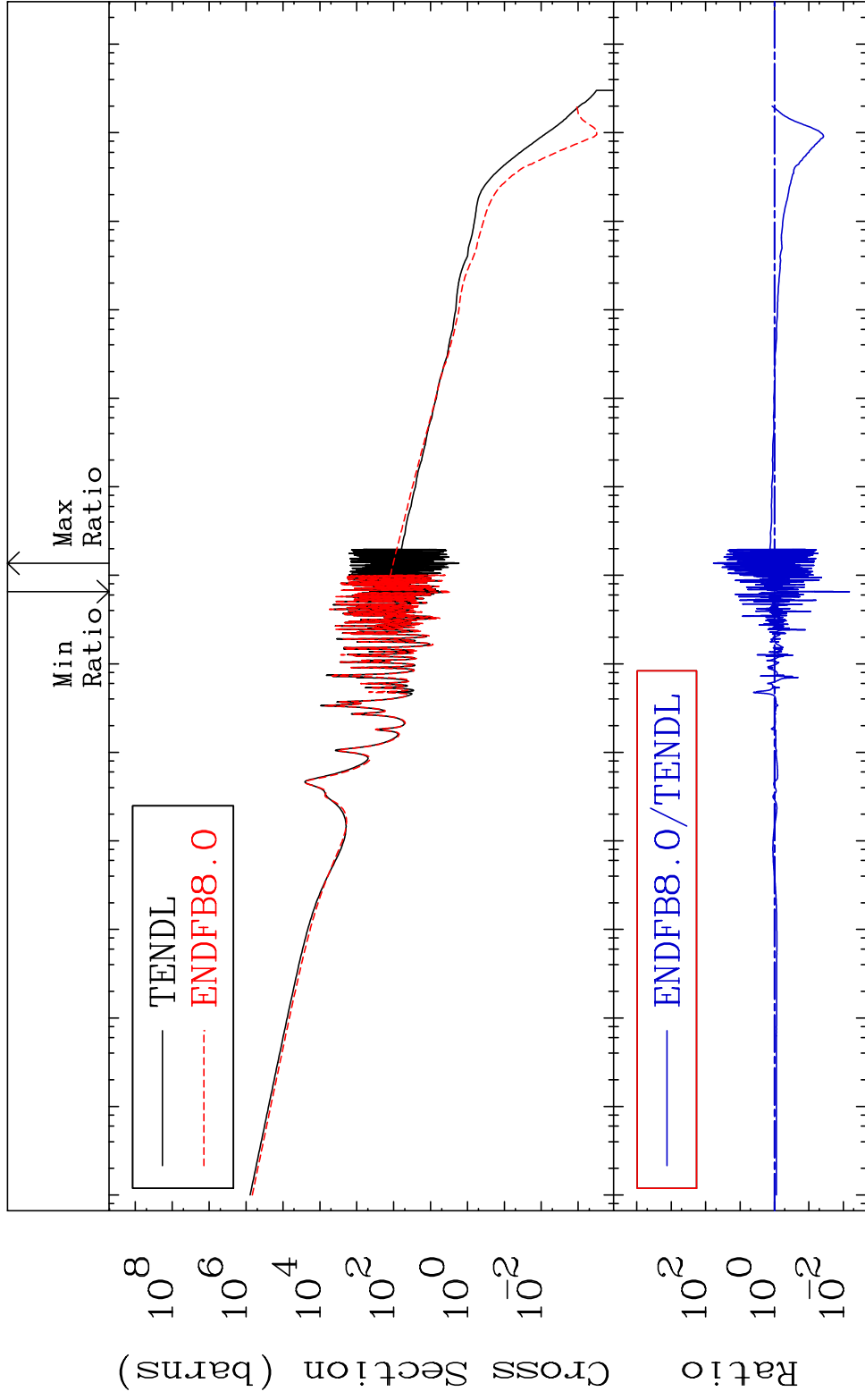


MAT 6325

(n, γ)

63-Eu-151

Cross Section -99.33 To 5931. %

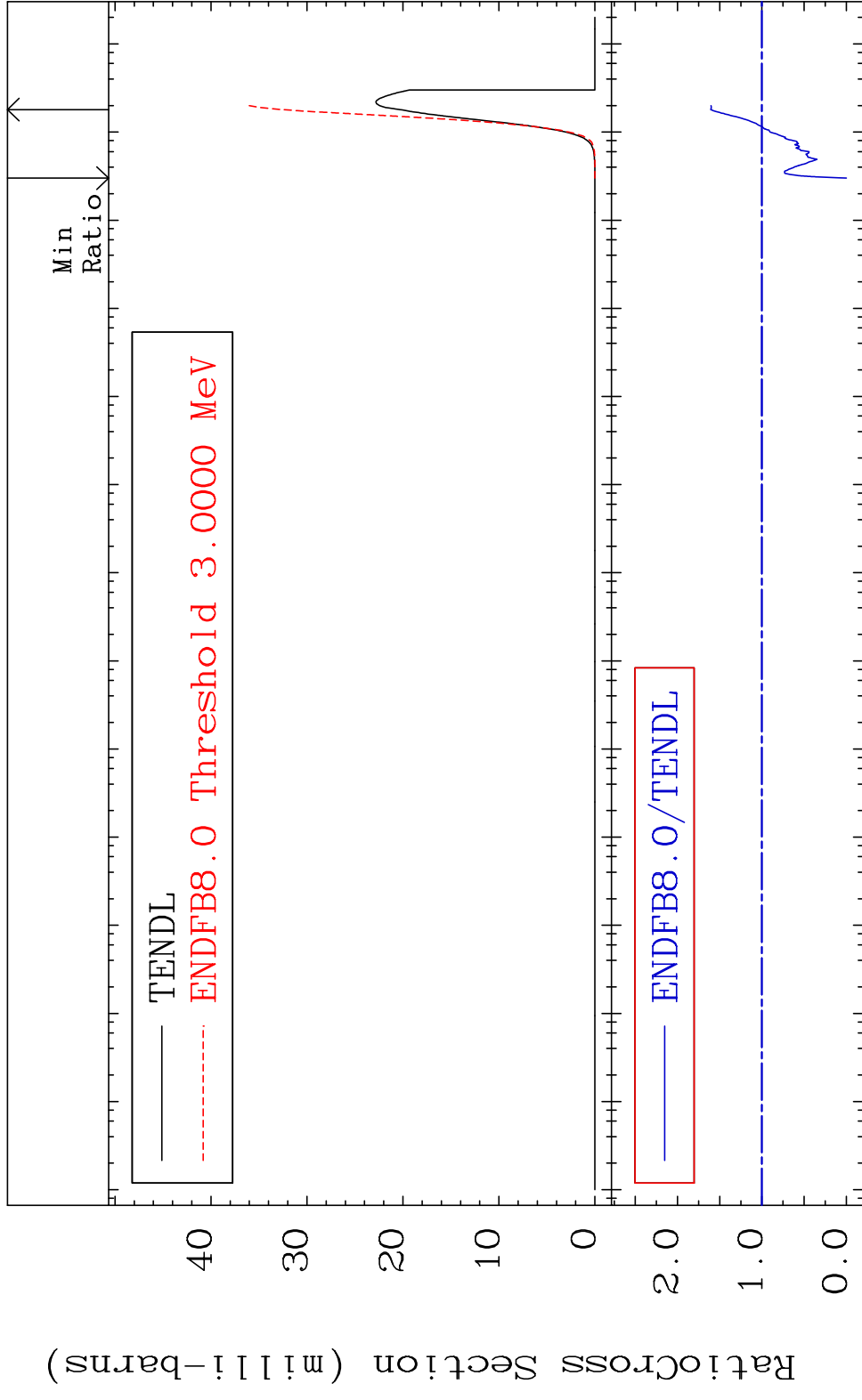


MAT 6325

(n, p)

63-Eu-151

Cross Section -100.0 To 60.68 %

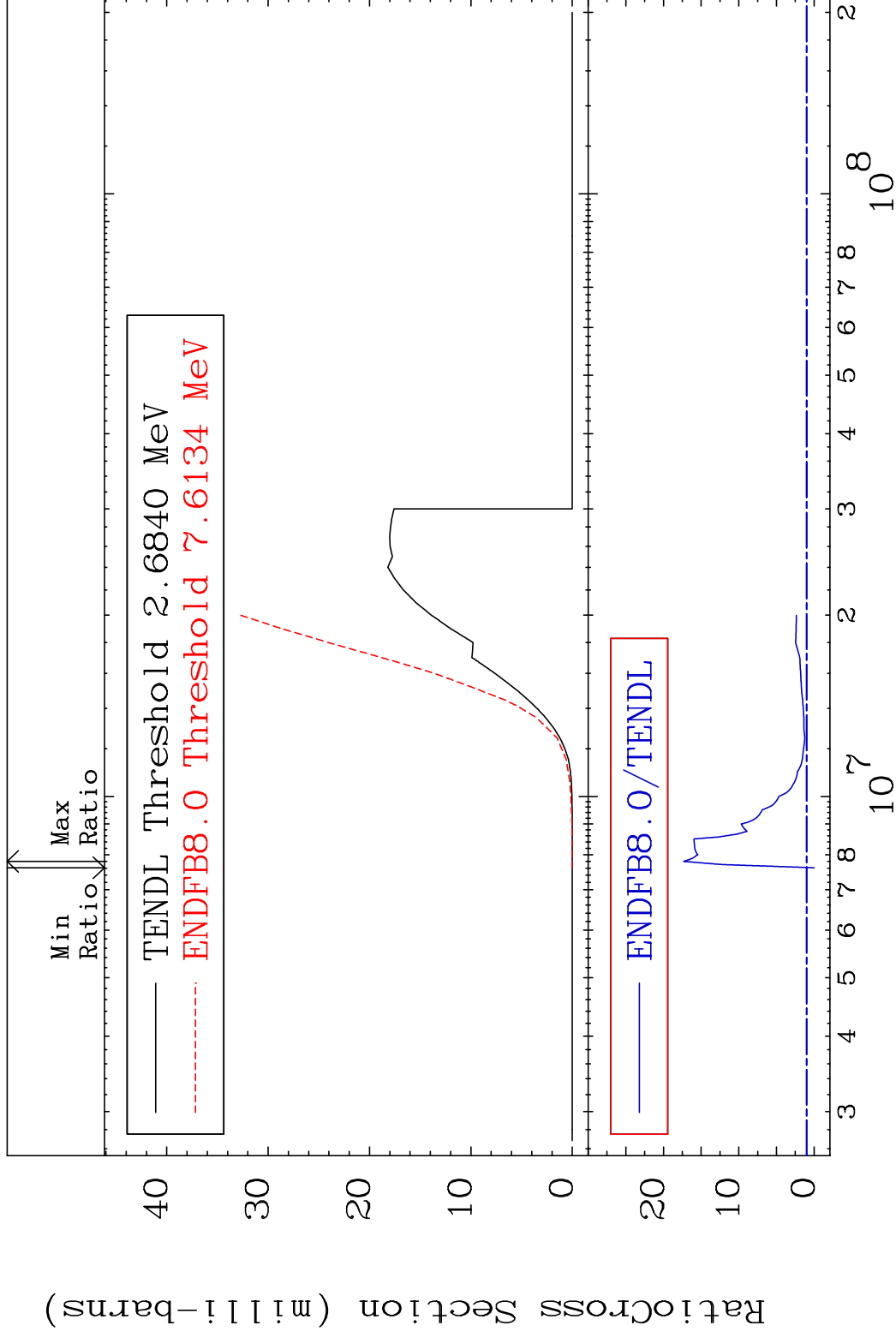


MAT 6325

(n,d)

63-Eu-151

Cross Section -100.0 To 1632. %

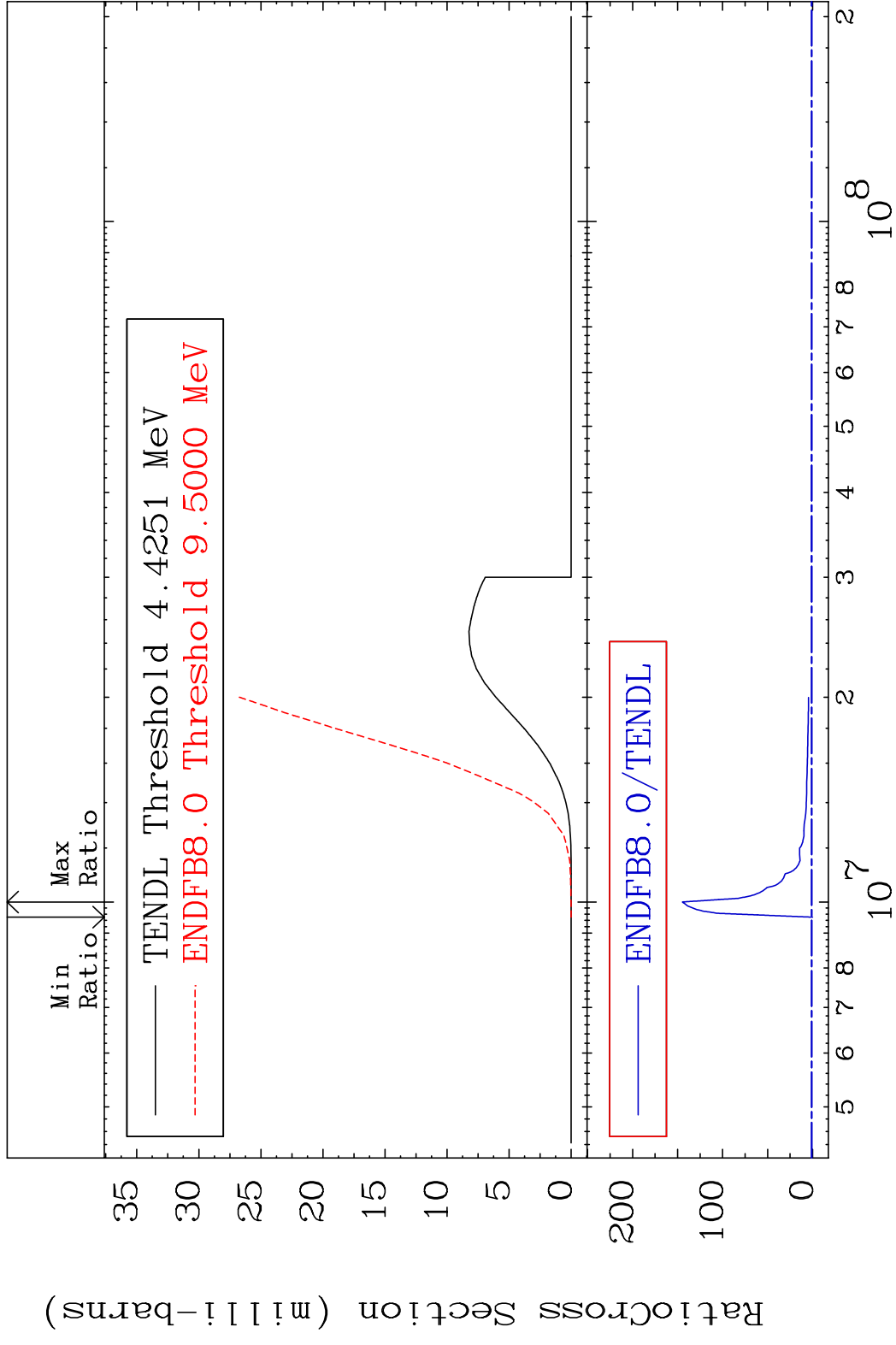


21

Incident Energy (eV)

63-Eu-151

MAT 6325 (n, t) 63-Eu-151
 Cross Section -100.0 To 9999. %

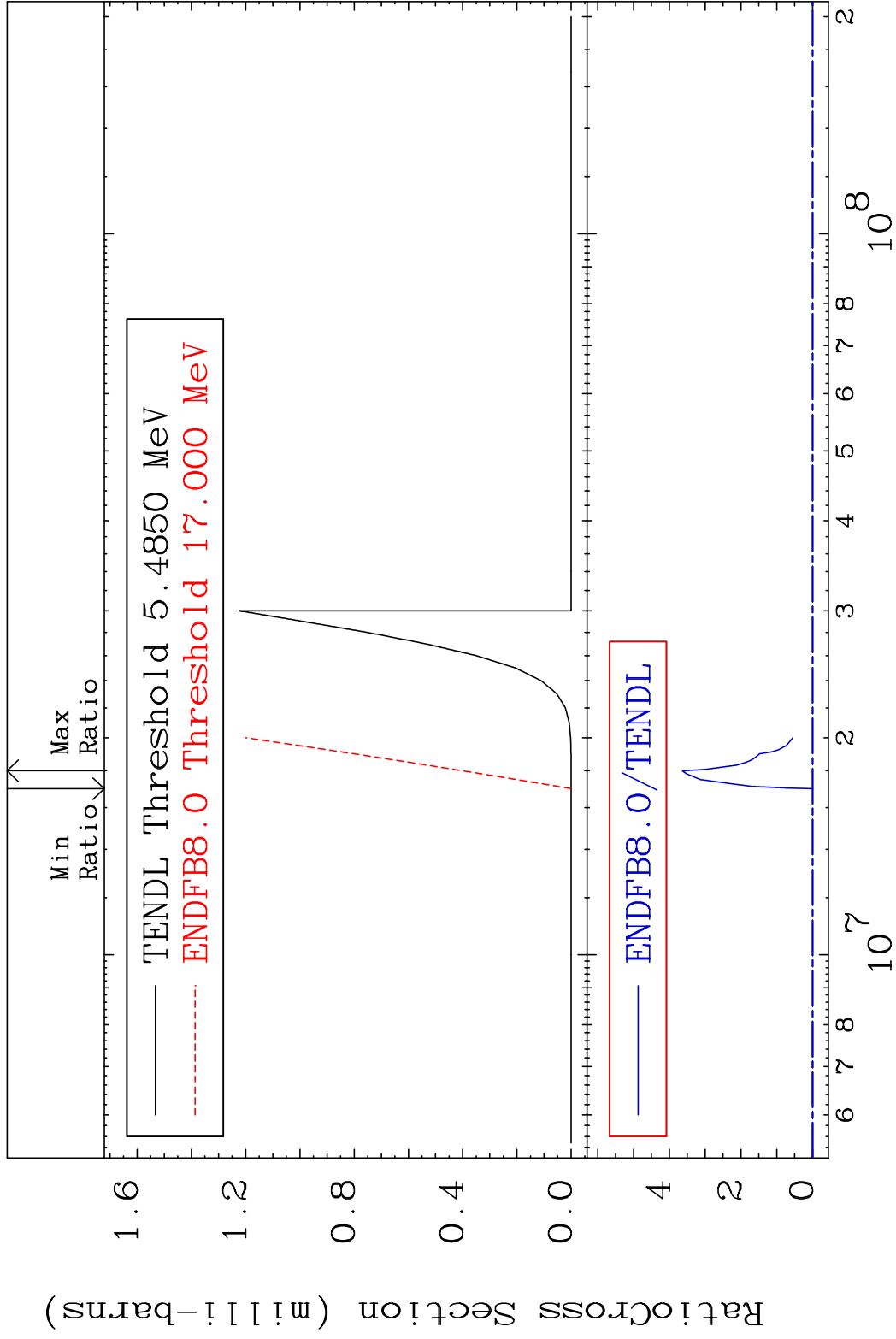


MAT 6325

(n, He-3)

63-Eu-151

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

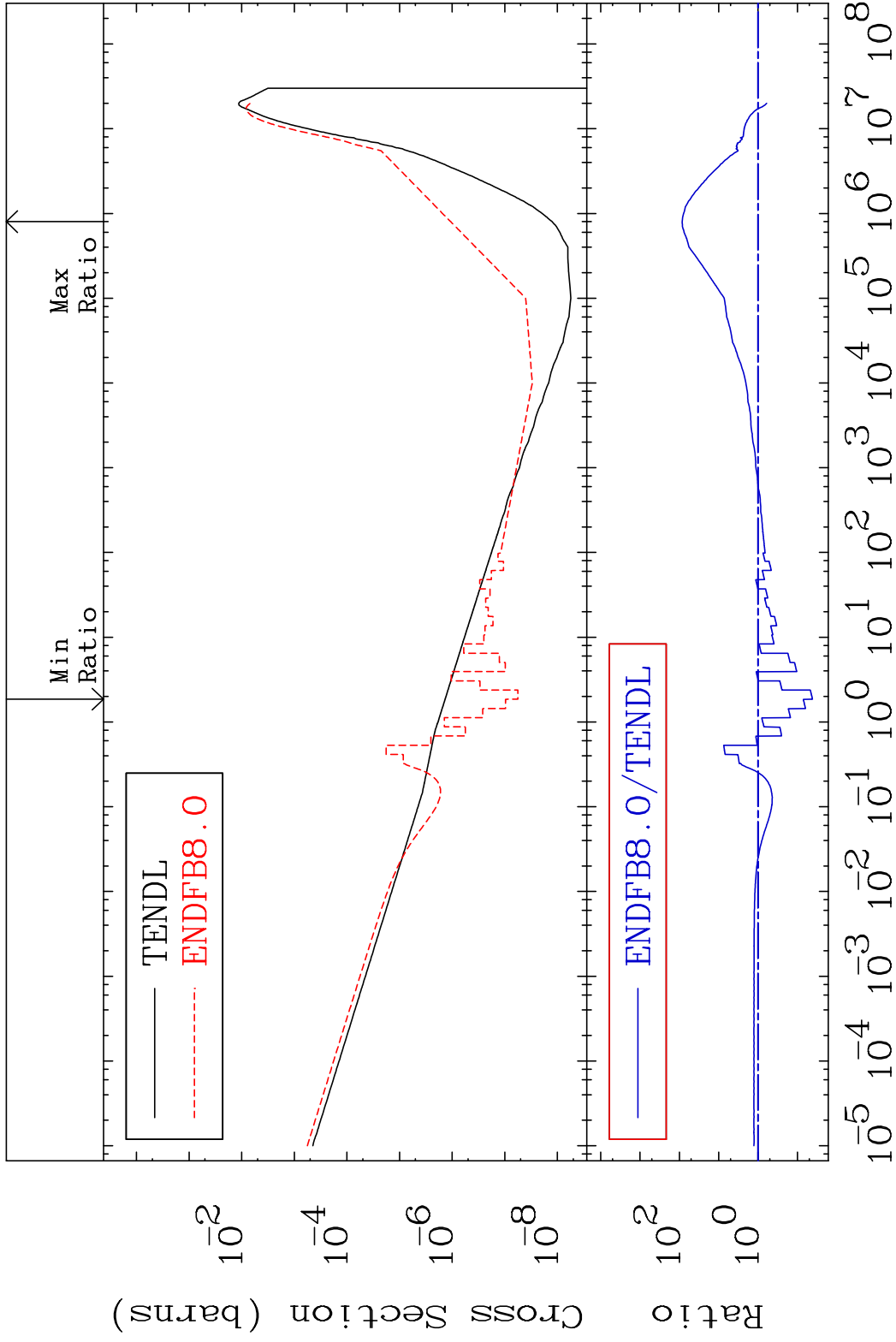
63-Eu-151

MAT 6325

(n, α)

63-Eu-151

Cross Section -95.86 To 8382. %



24

Incident Energy (eV)

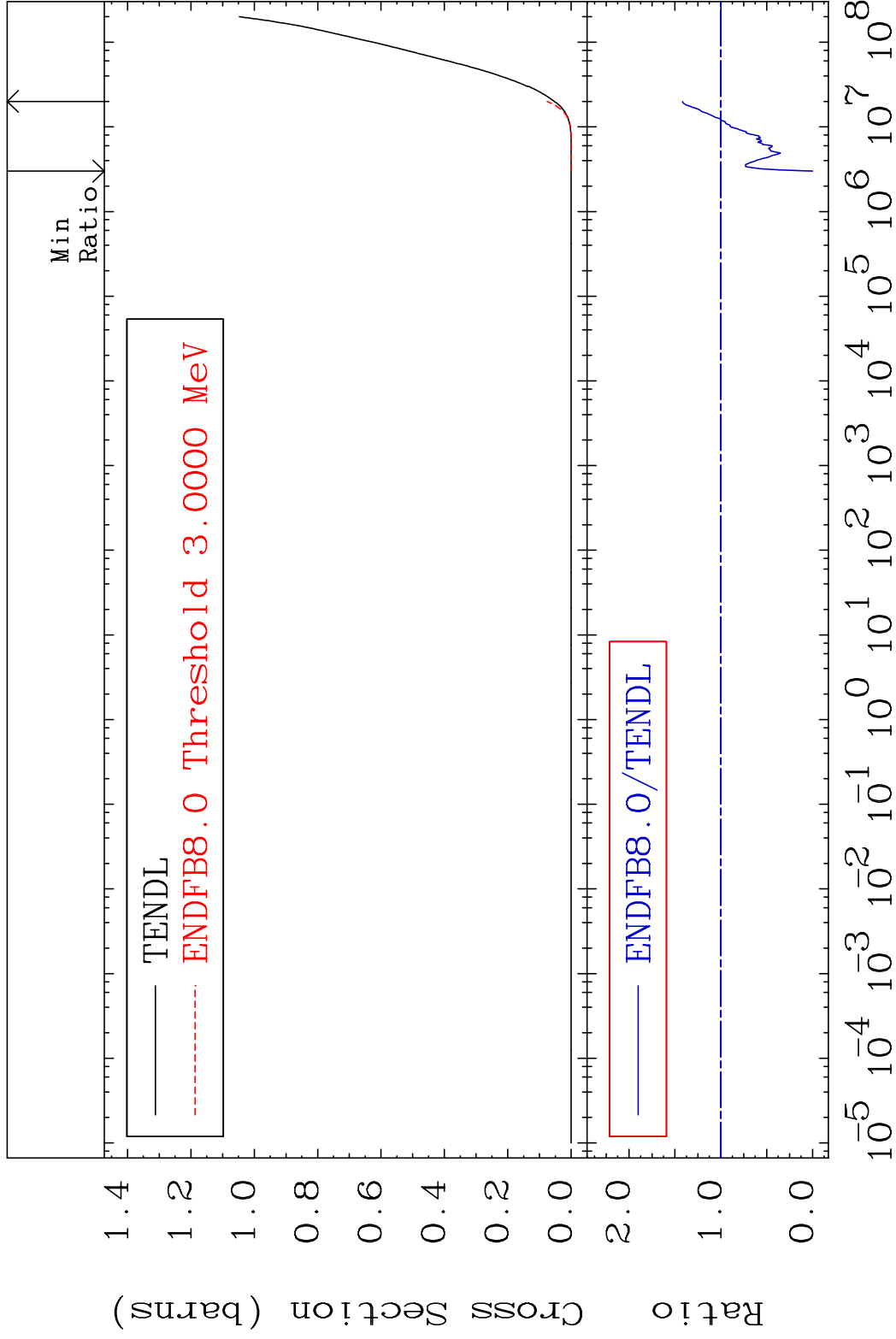
63-Eu-151

MAT 6325

Hydrogen Production

63-Eu-151

Cross Section -100.0 To 41.94 %

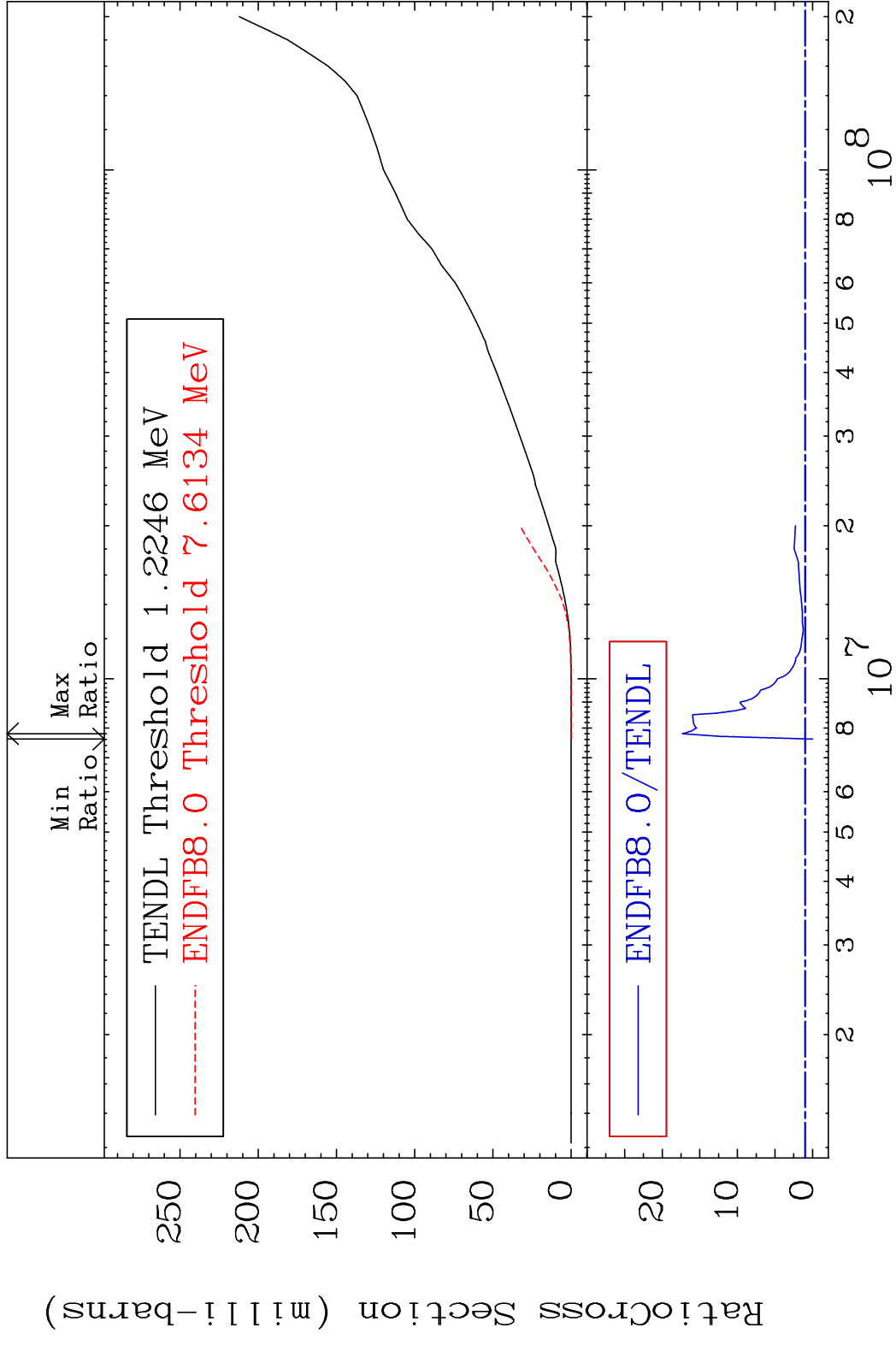


25

Incident Energy (eV)

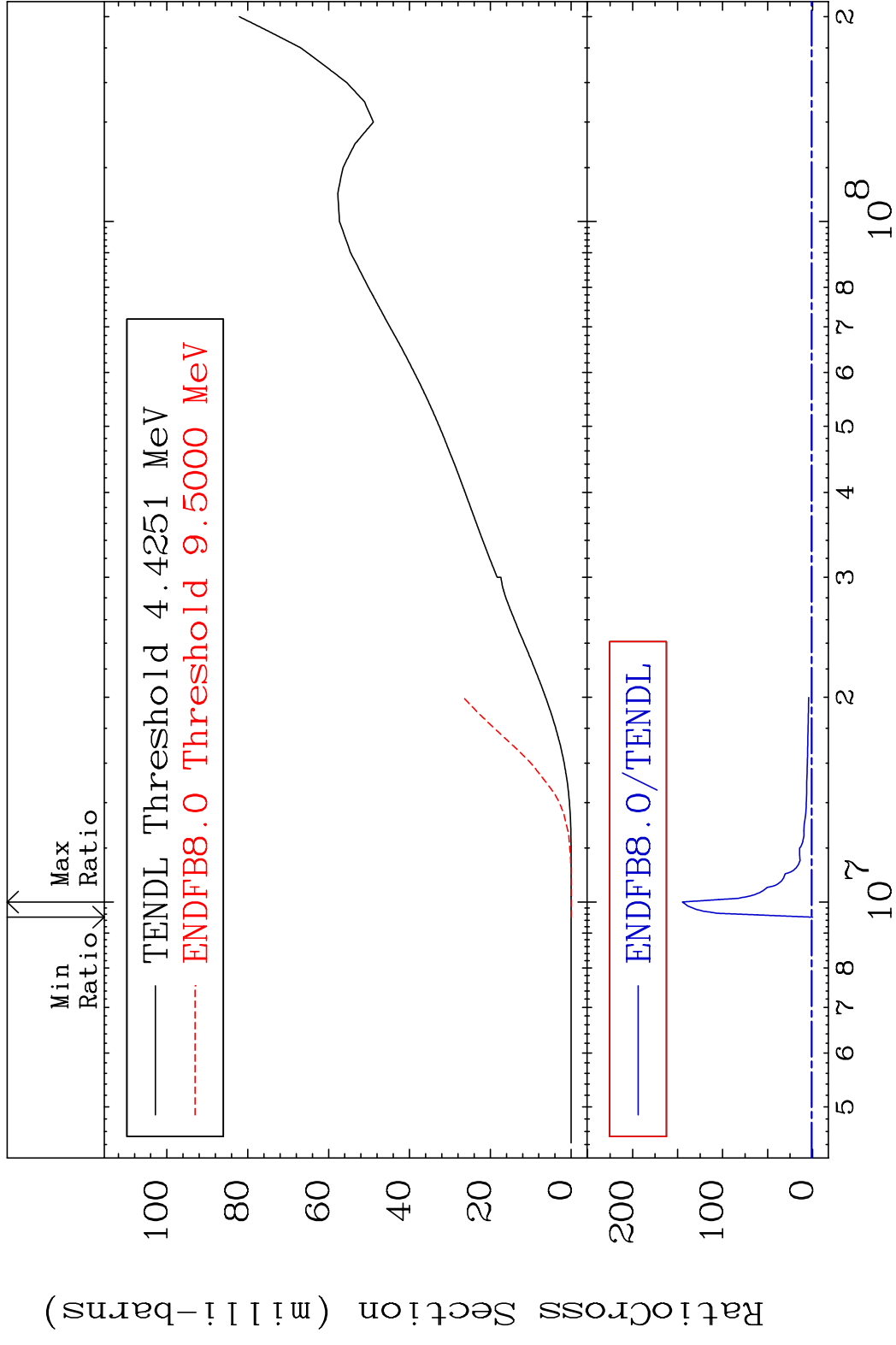
63-Eu-151

MAT 6325 Deuterium Production 63-Eu-151
 Cross Section -100.0 To 1632. %



MAT 6325

Tritium Production 63-Eu-151
Cross Section -100.0 To 9999. %

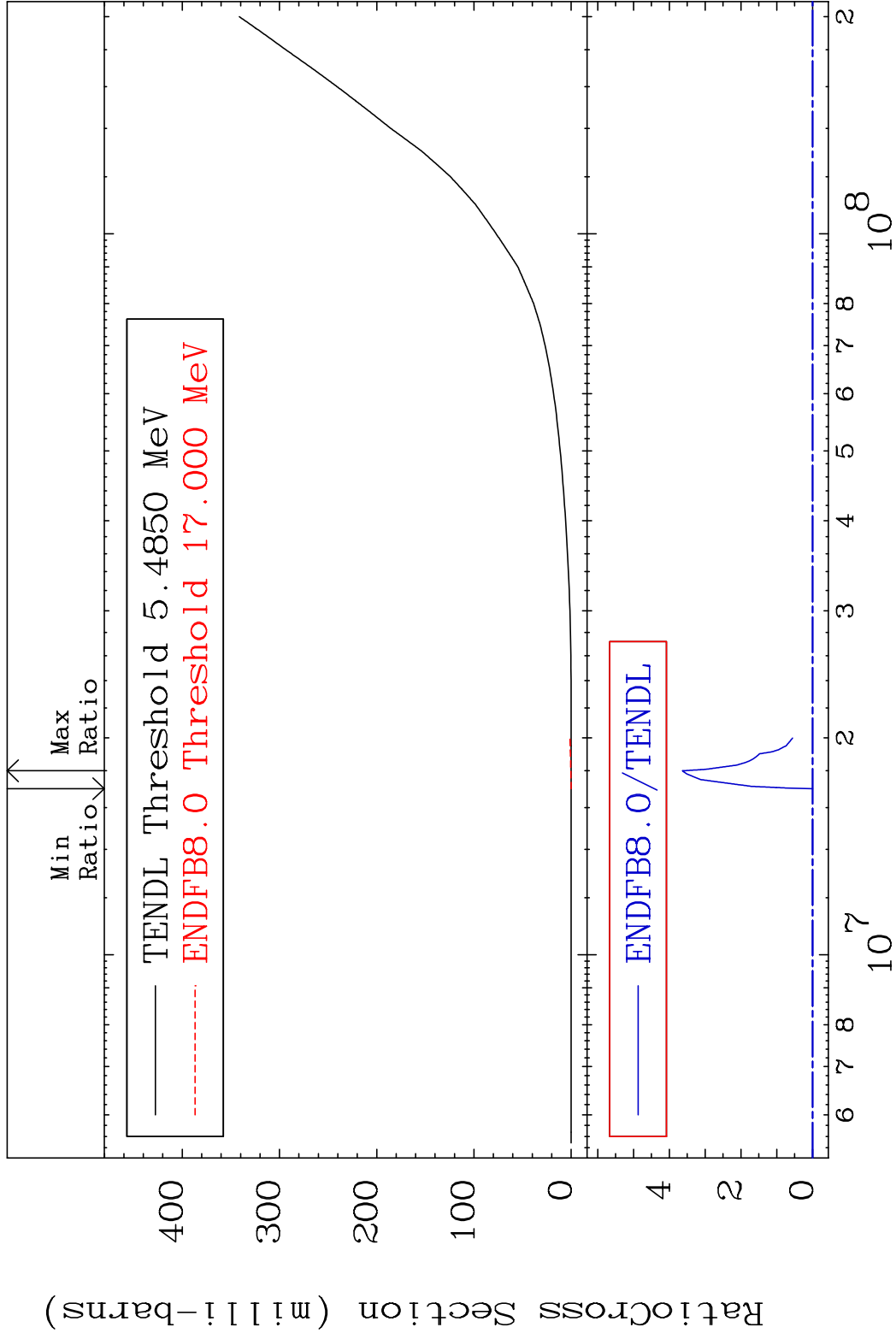


MAT 6325

He-3 Production

63-Eu-151

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

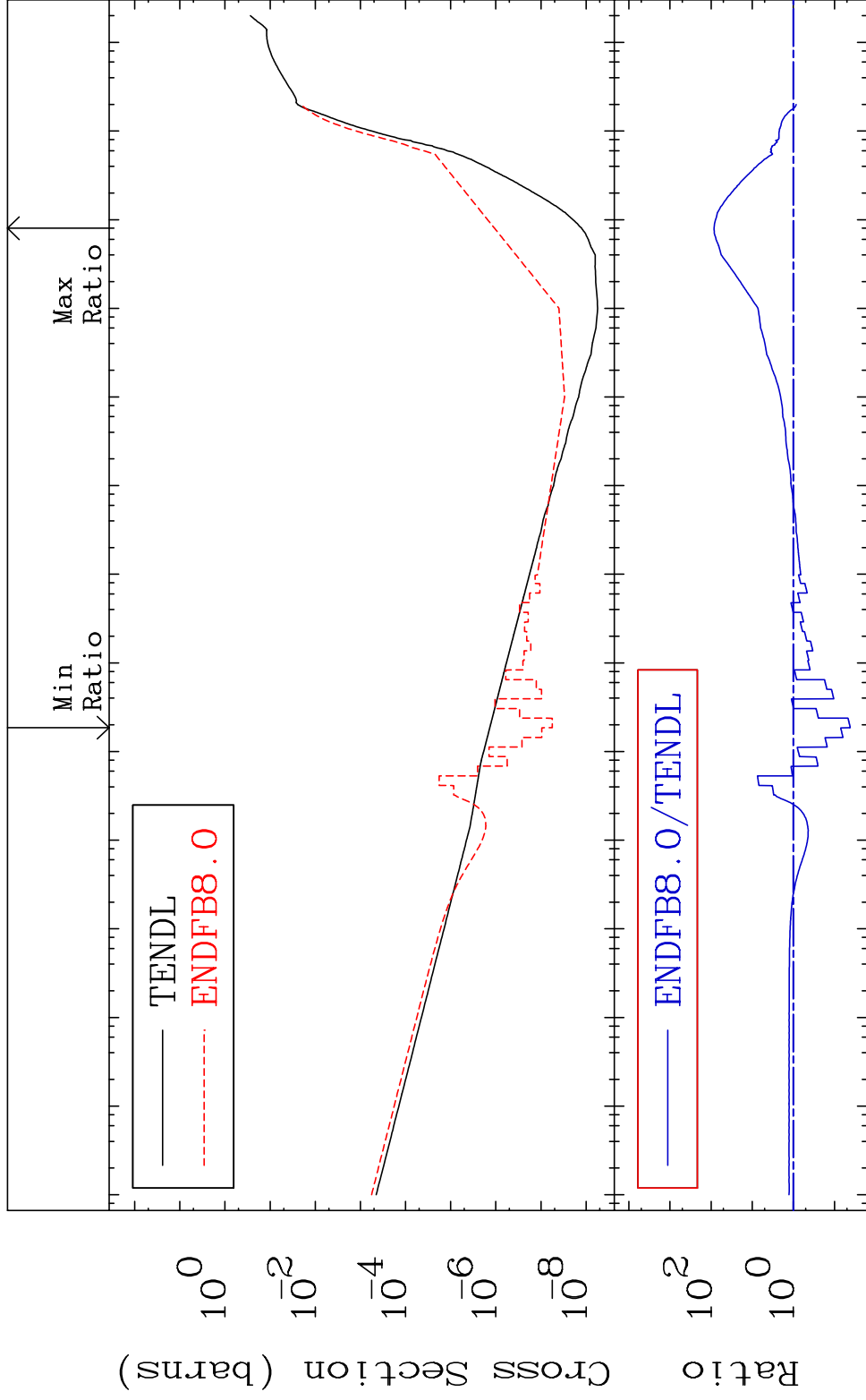
63-Eu-151

MAT 6325

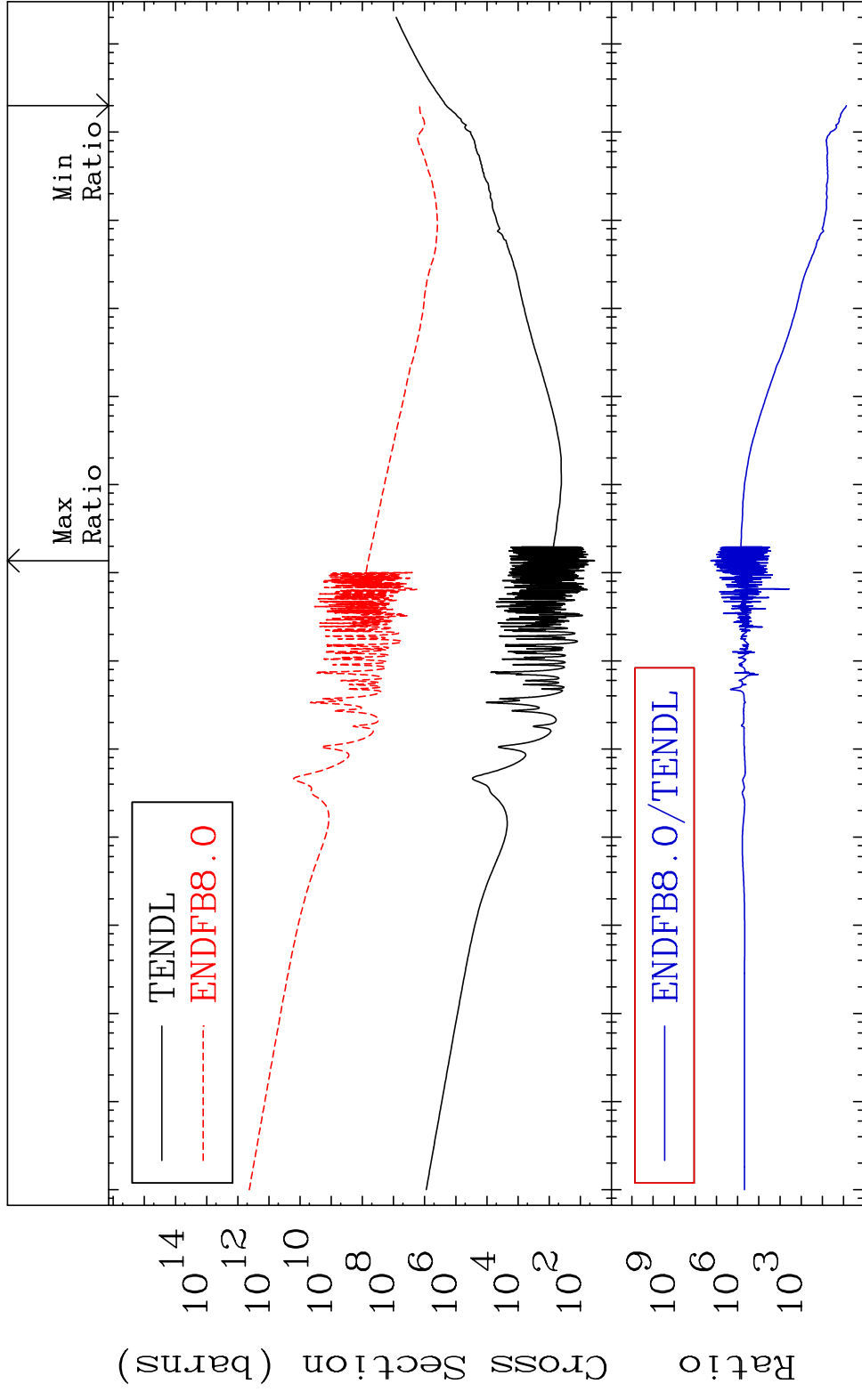
He-4 Production

63-Eu-151

Cross Section -95.86 To 8382. %



MAT 6325 Kerma total (eV-barns) 63-Eu-151
 Cross Section 629.2 To 9999. %

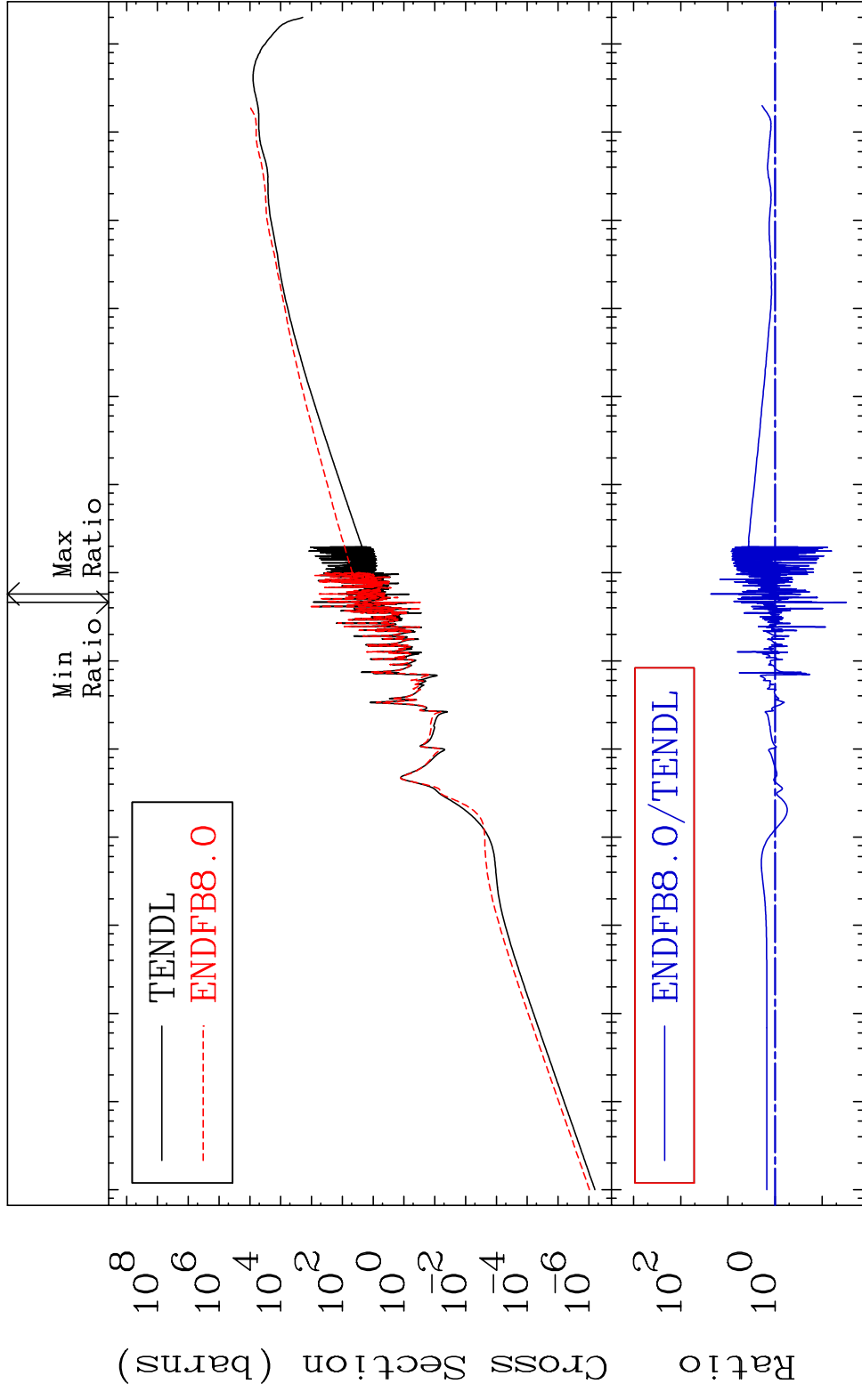


30 Incident Energy (eV) 63-Eu-151

MAT 6325

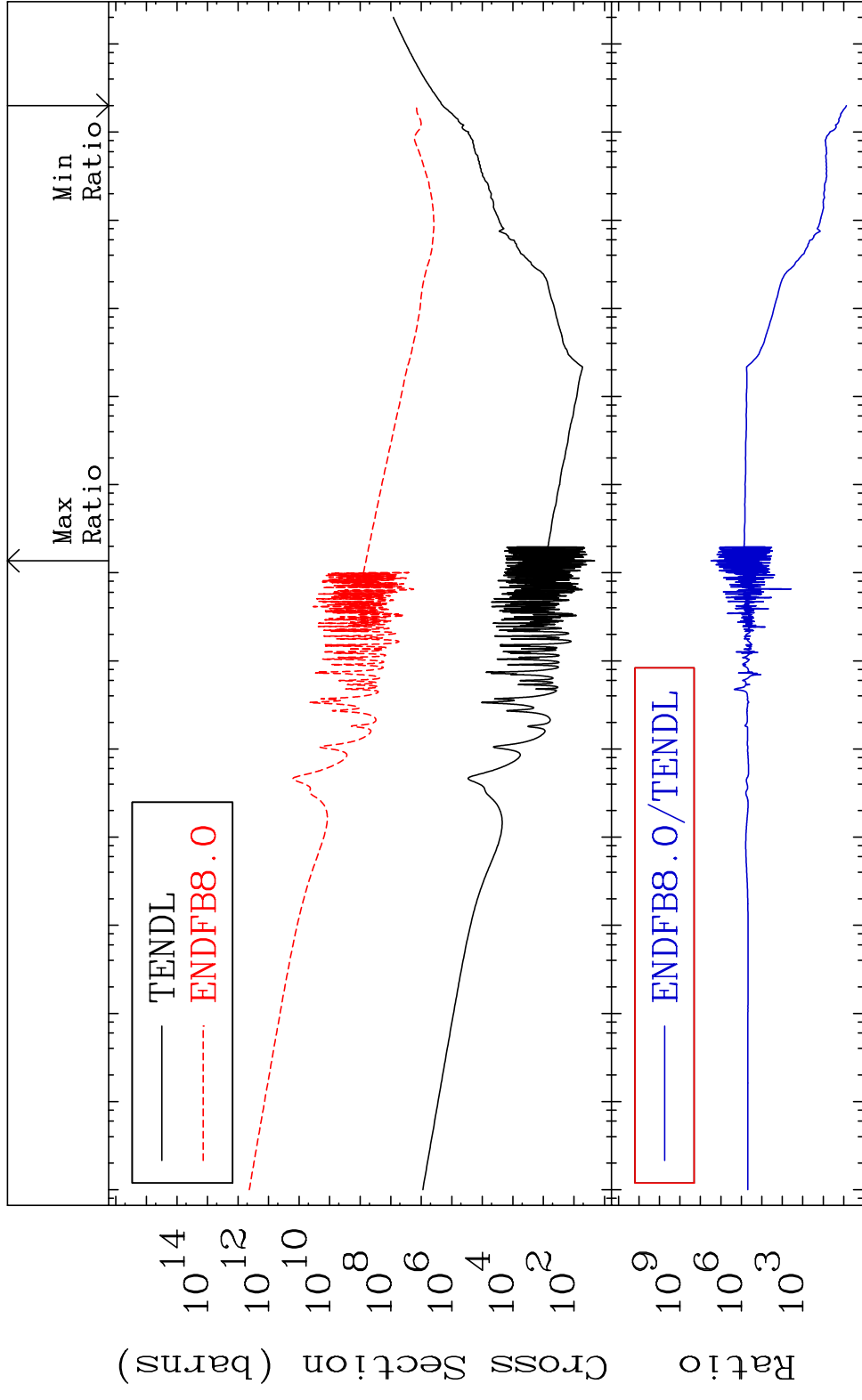
Kerma elastic Cross Section -96.92 To 2215. %

63-Eu-151



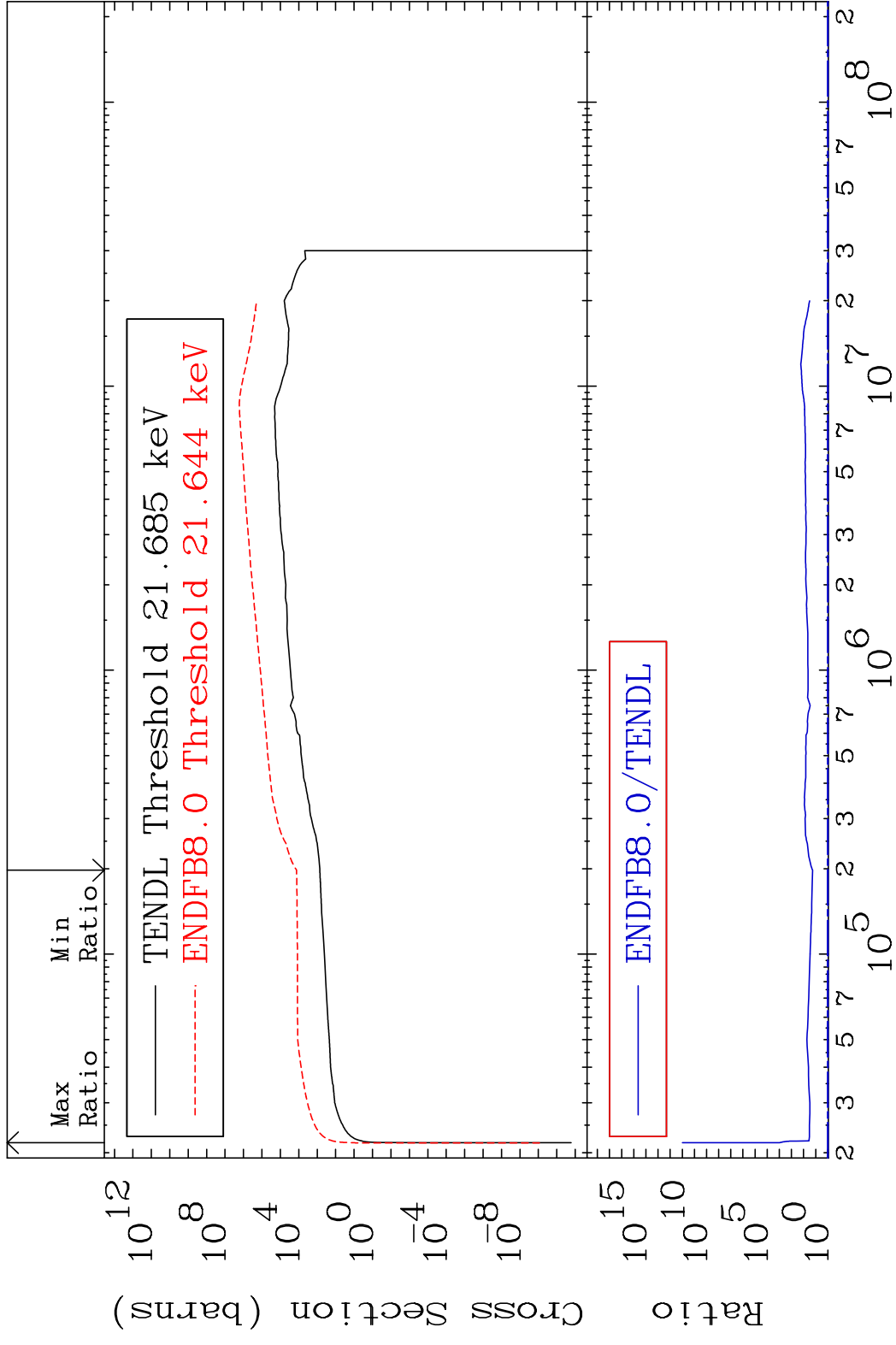
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 6325 Kerma non-elastic (all but mt2) 63-Eu-151
 Cross Section 644.5 To 9999. %

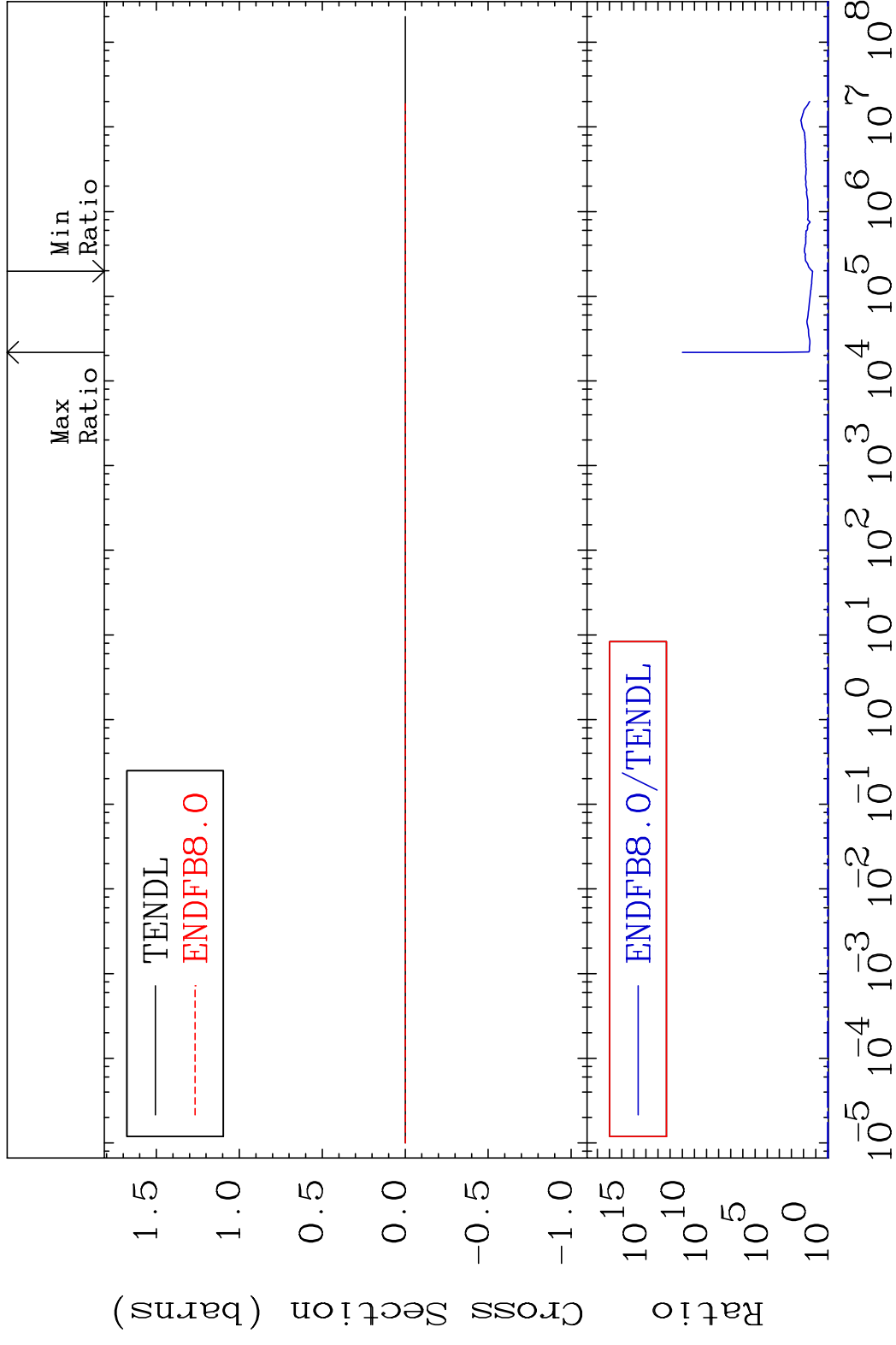


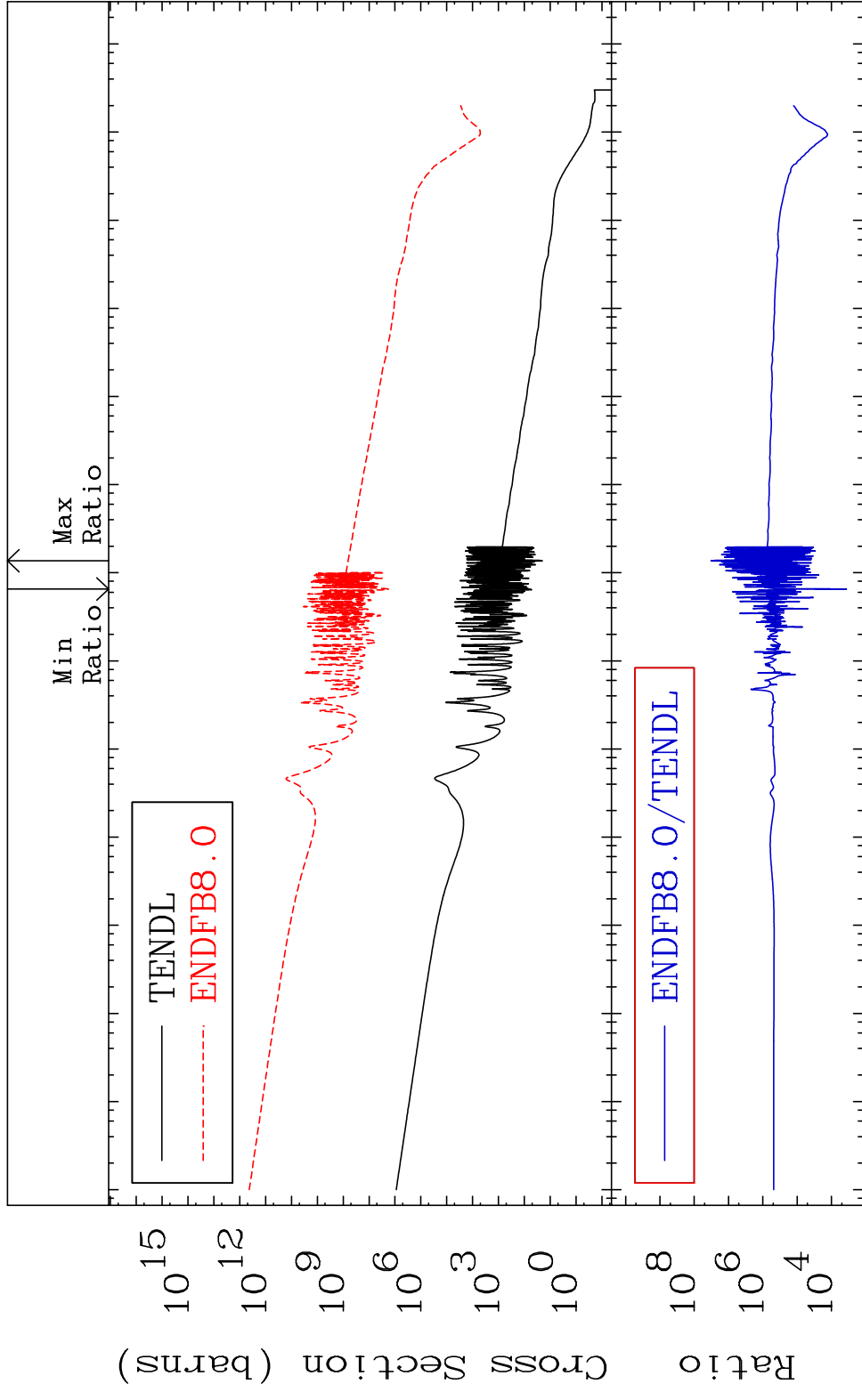
32 Incident Energy (eV) 63-Eu-151

MAT 6325 Kerma inelastic (mt51-91) 63-Eu-151
 Cross Section 1713. To 9999. %

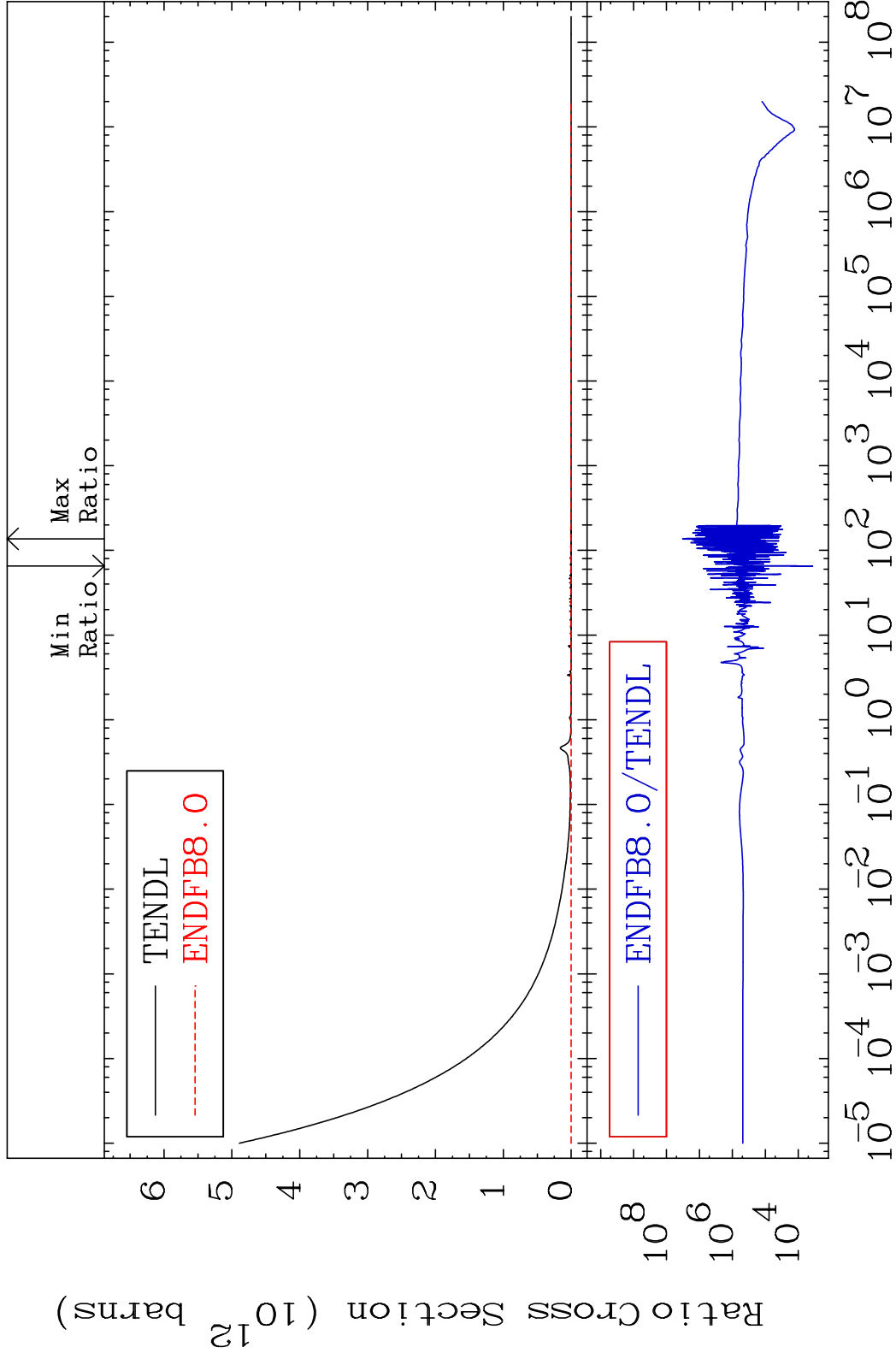


MAT 6325 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-151
 Cross Section 1713. To 9999. %

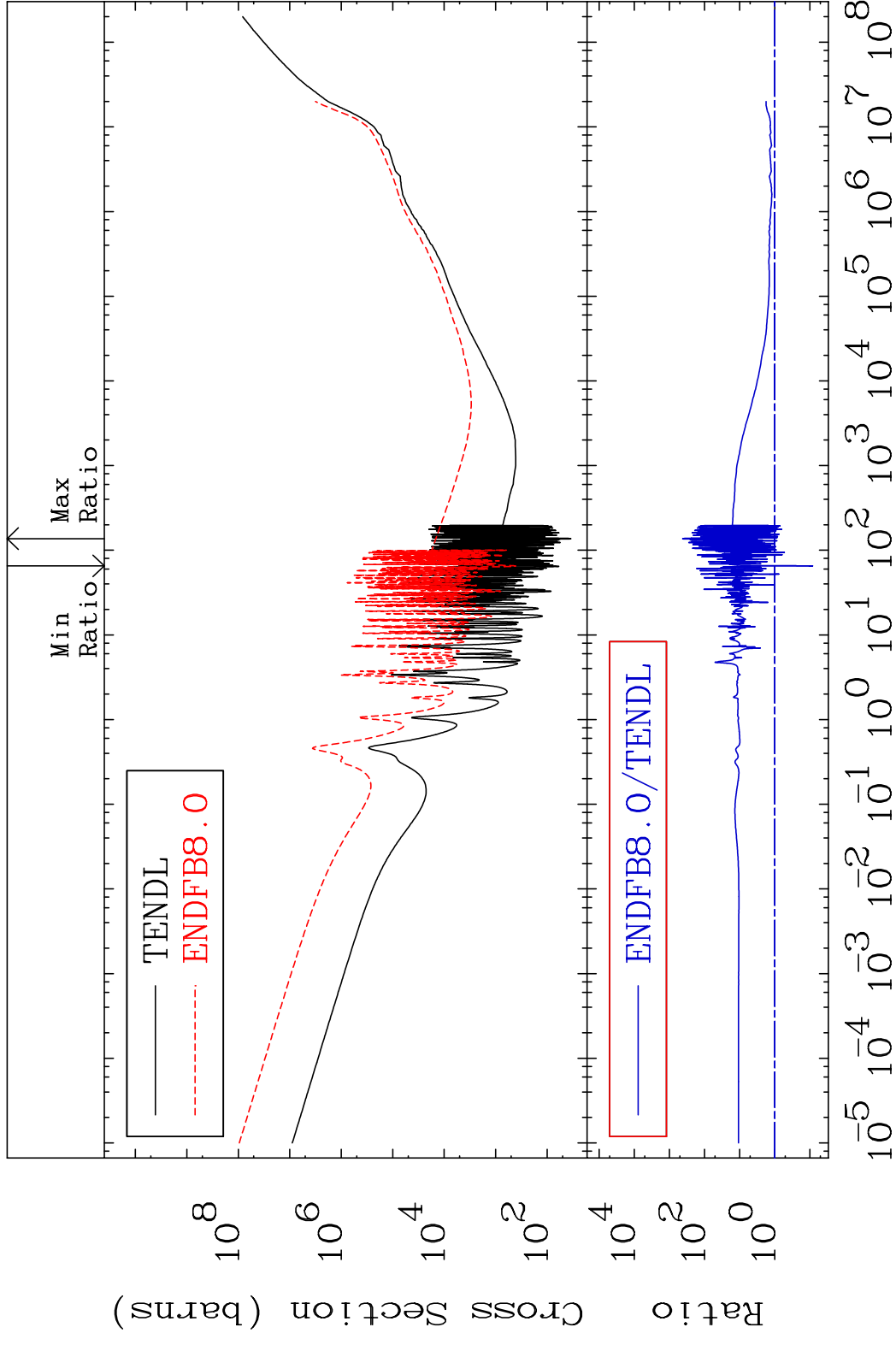




MAT 6325 Total photon (eV-barns) 63-Eu-151
 Cross Section 9999. To 9999. %



MAT 6325 Total kinematic kerma (high limit) 63-Eu-151
 Cross Section -91.66 To 9999. %

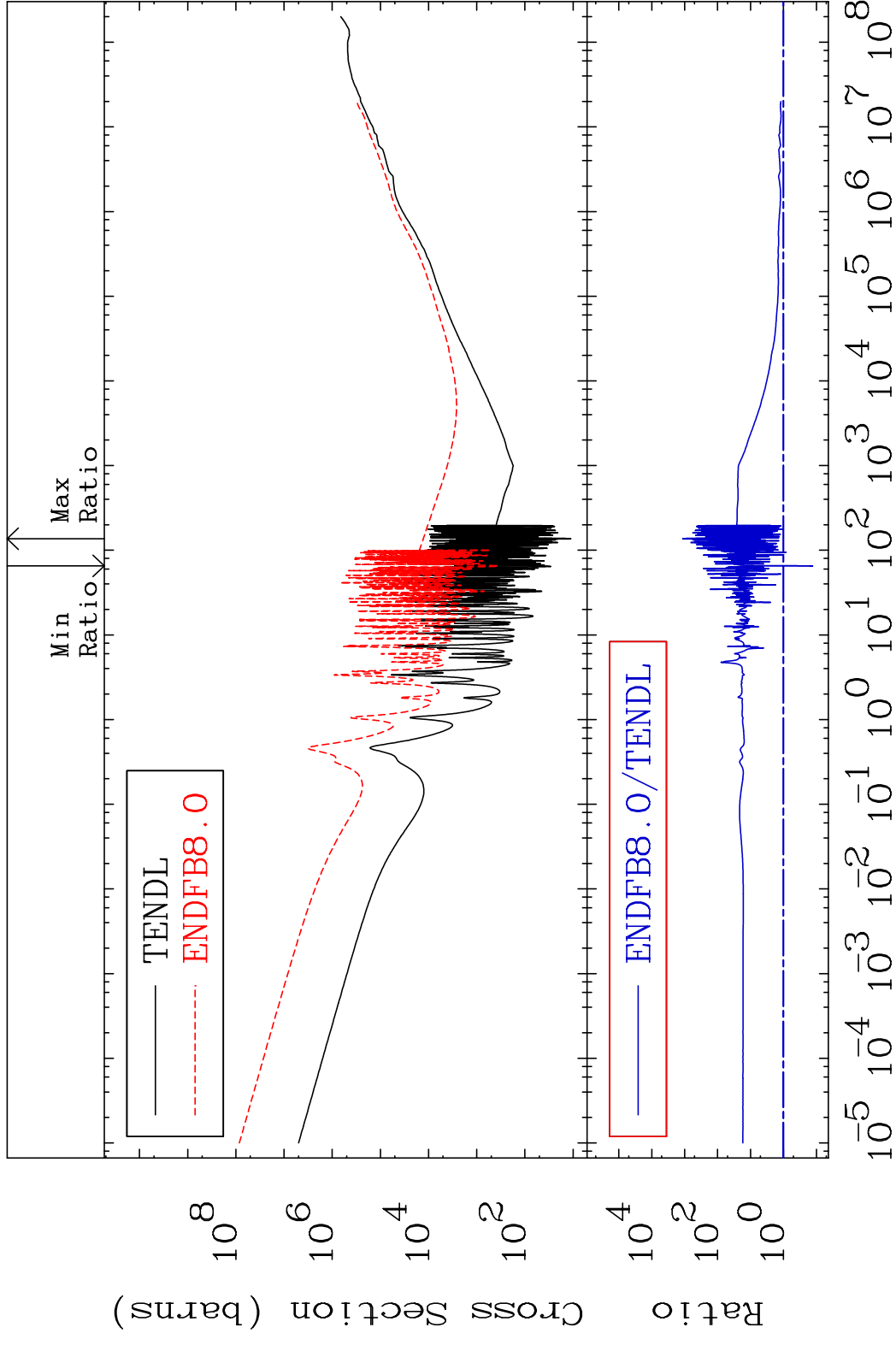


MAT 6325

Dpa total (eV-barns)

63-Eu-151

Cross Section -86.94 To 9999. %



38

Incident Energy (eV)

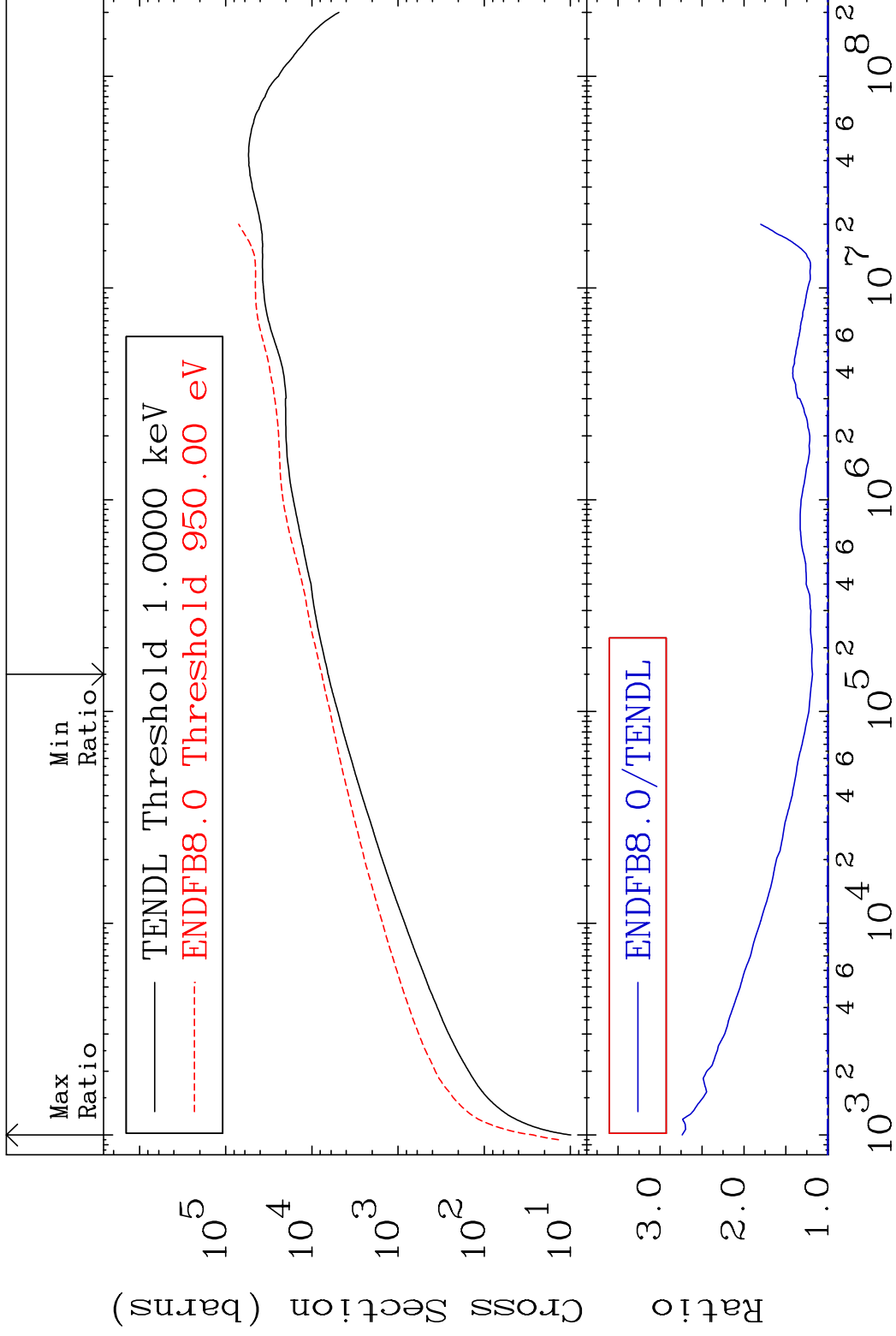
63-Eu-151

MAT 6325

Dpa elastic (mt2)

63-Eu-151

Cross Section 18.37 To 173.6 %

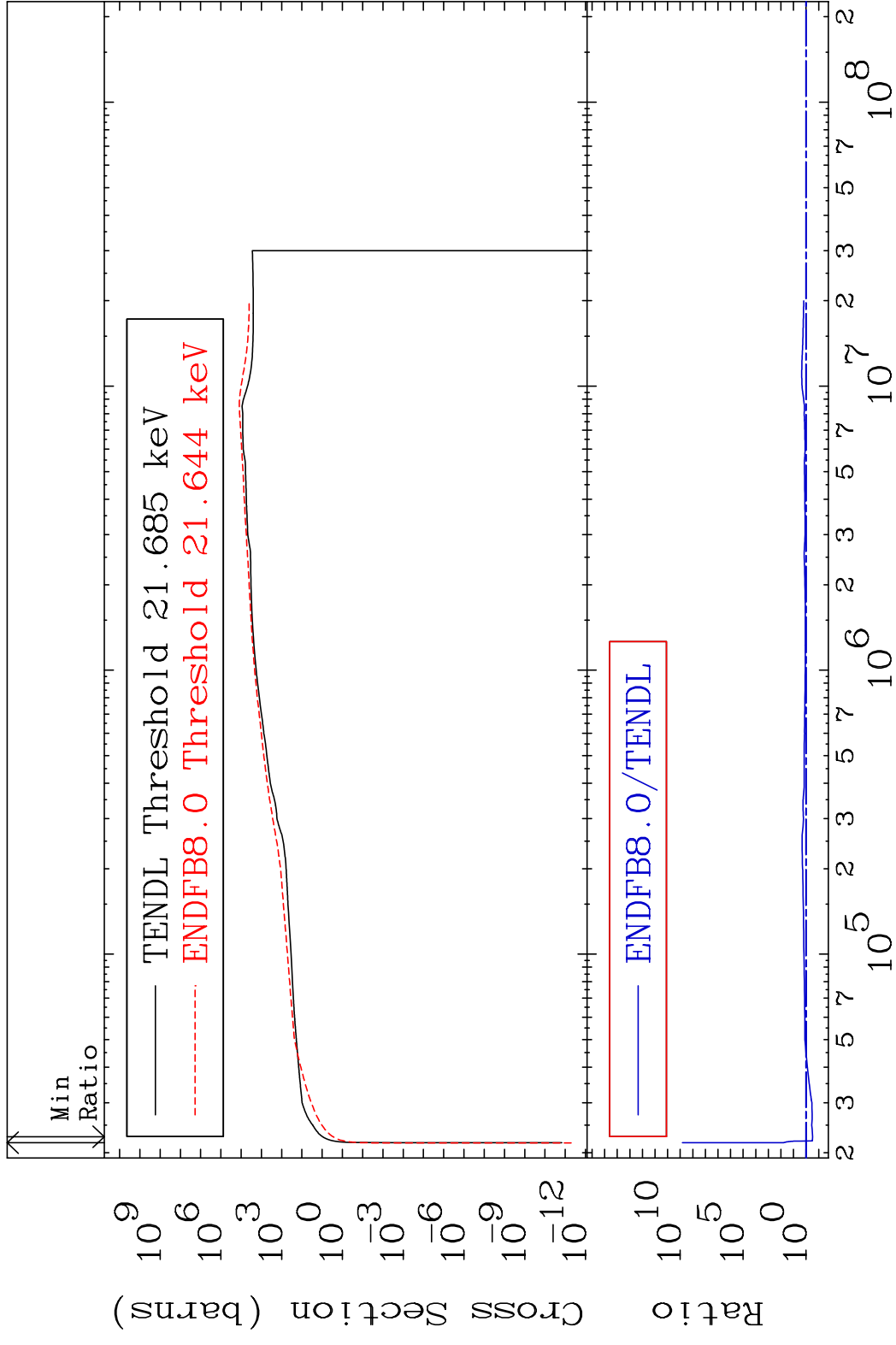


39

Incident Energy (eV)

63-Eu-151

MAT 6325 Dpa inelastic (mt51-91) 63-Eu-151
 Cross Section -69.33 To 9999. %



MAT 6325 Dpa disappearance (mt102 -120) 63-Eu-151
 Cross Section -86.94 To 9999. %

