

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

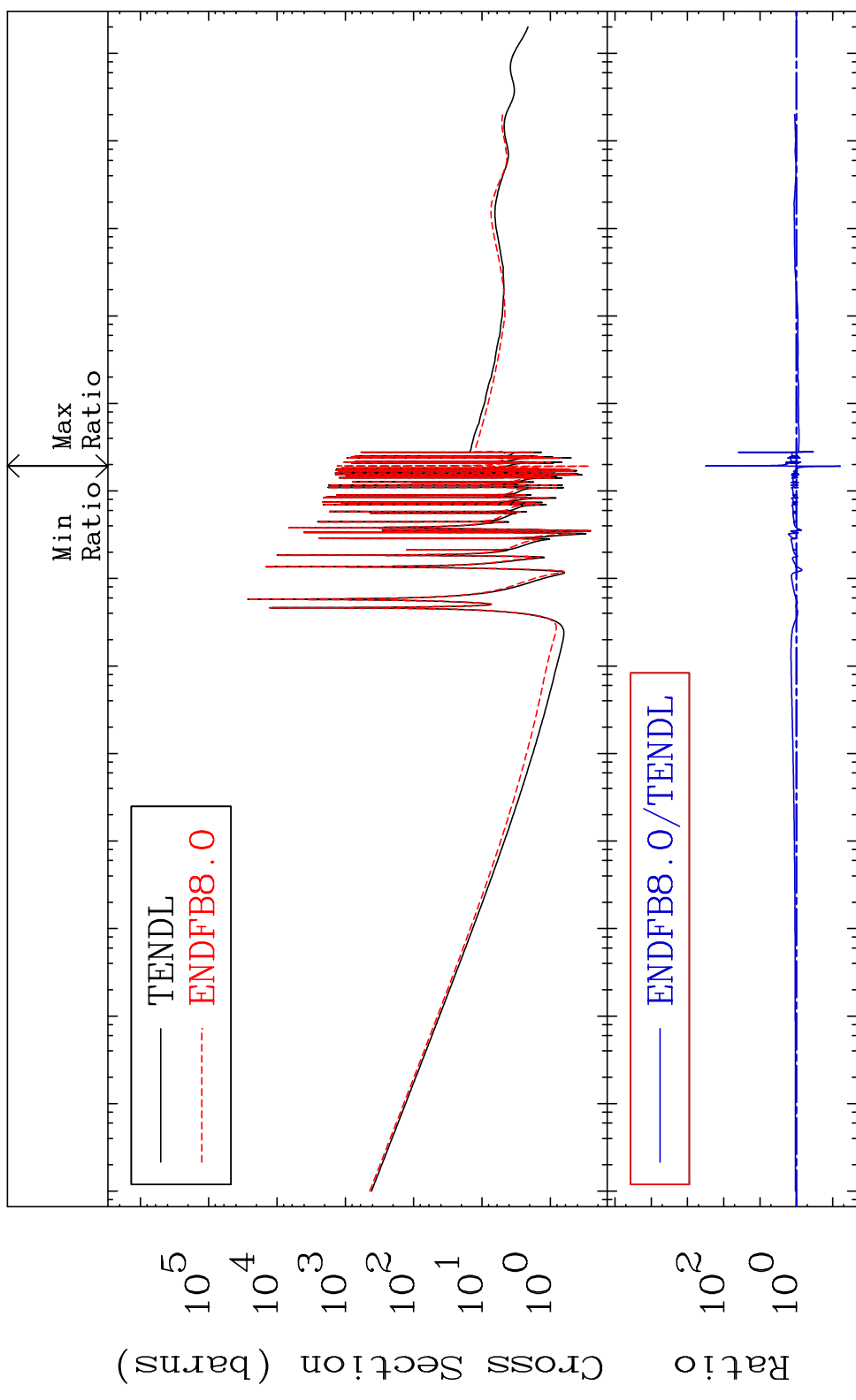
MAT 5625

Total

56-Ba-130

Cross Section

-93.91 To 9999. %



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

1

Incident Energy (eV)

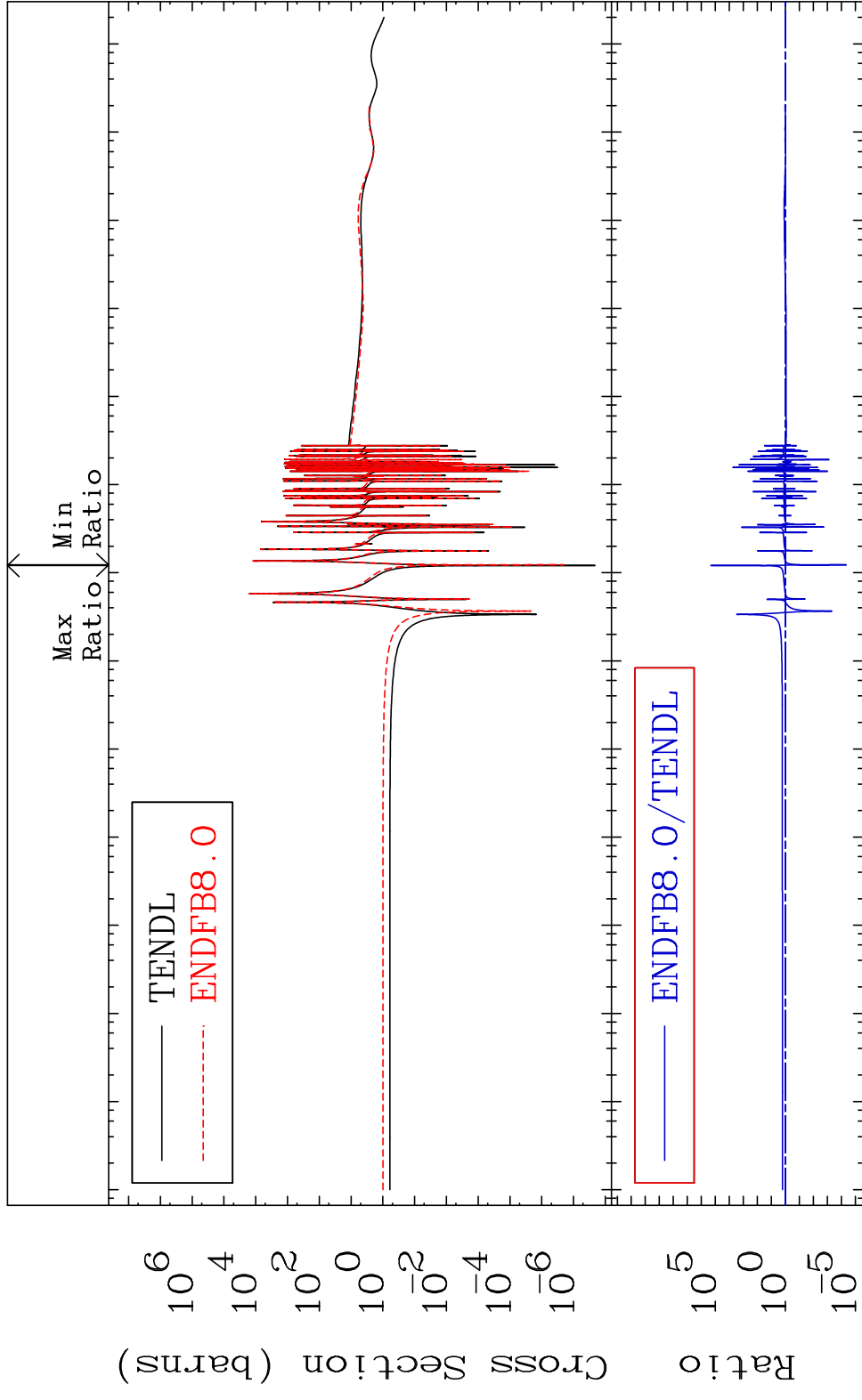
56-Ba-130

MAT 5625

56-Ba-130

Elastic

Cross Section -100.0 To 9999. %

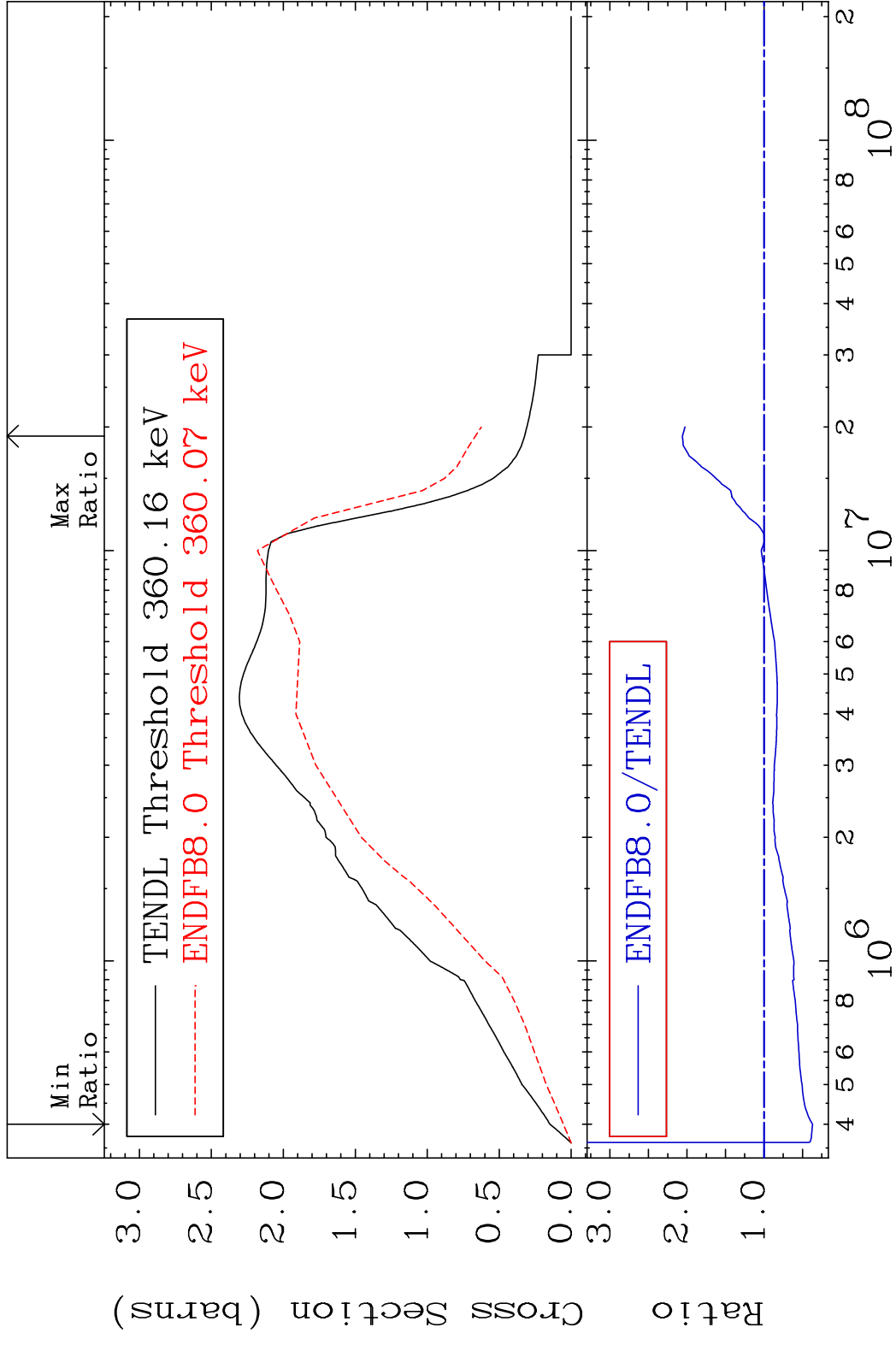


2

Incident Energy (eV)

56-Ba-130

MAT 5625 Inelastic 56-Ba-130
 Cross Section -63.04 To 106.0 %



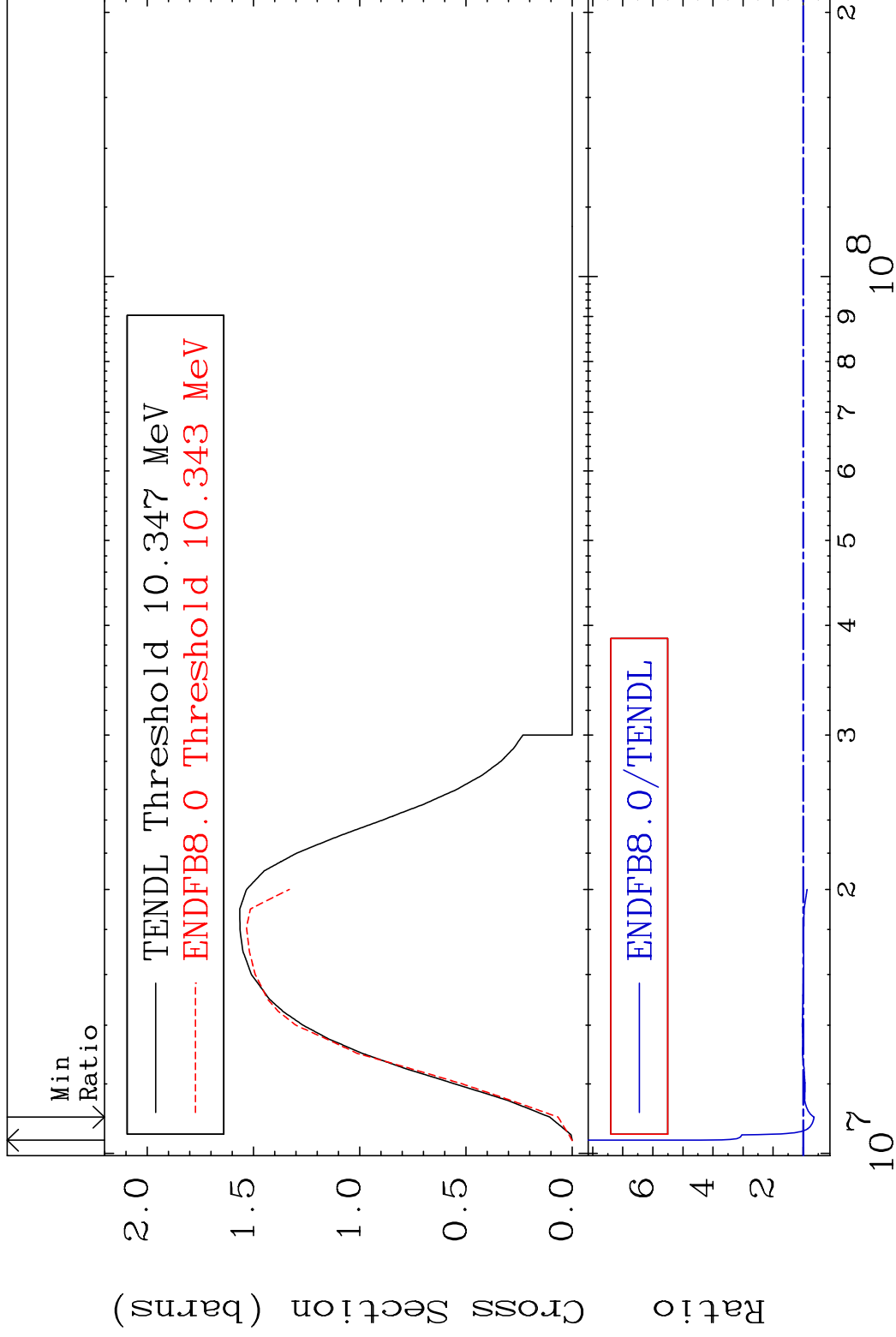
3 Incident Energy (eV) 56-Ba-130

MAT 5625

(n,2n)

56-Ba-130

Cross Section -36.48 To 397.5 %



4

Incident Energy (eV)

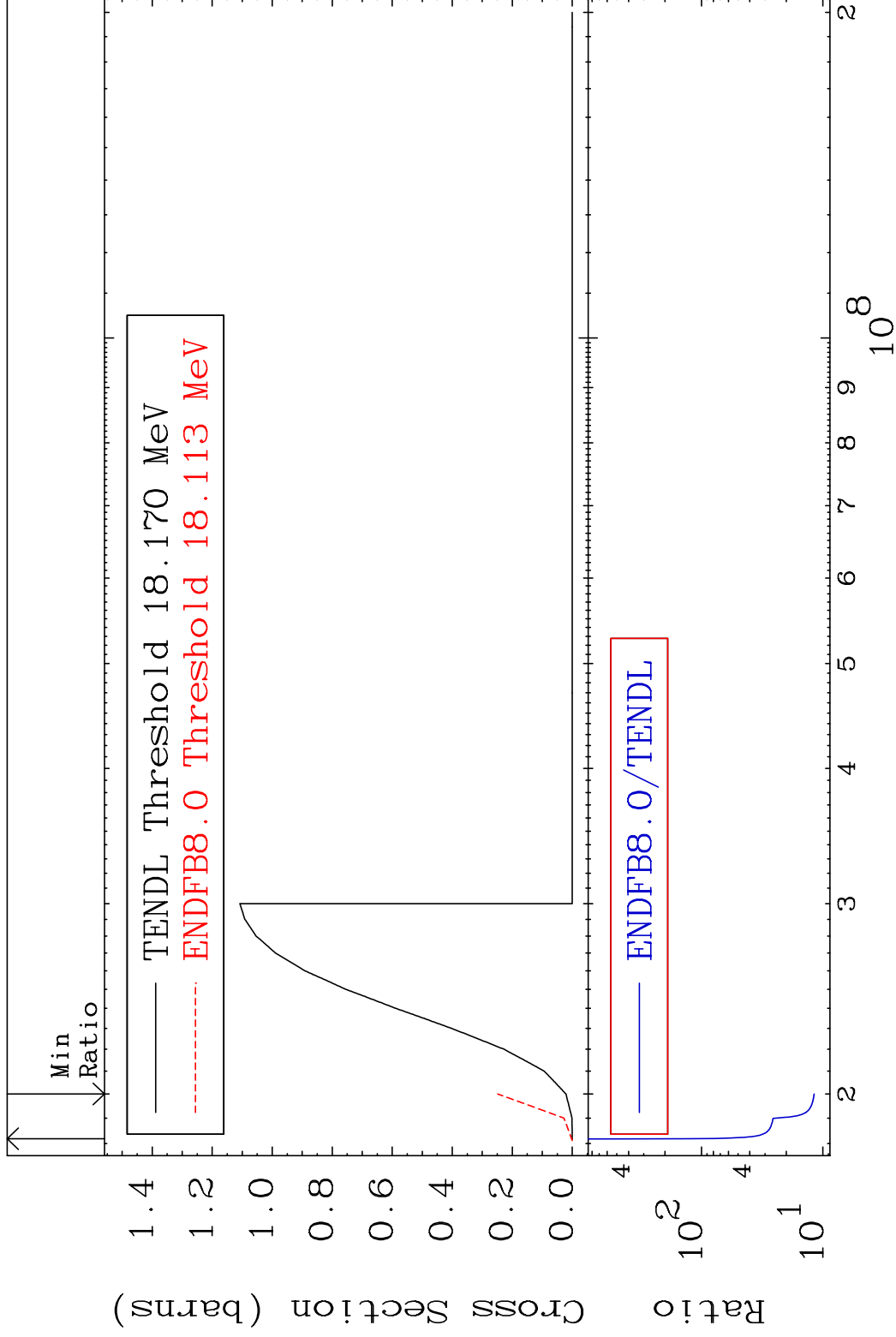
56-Ba-130

MAT 5625

(n,3n)

56-Ba-130

Cross Section 1079. To 9999. %

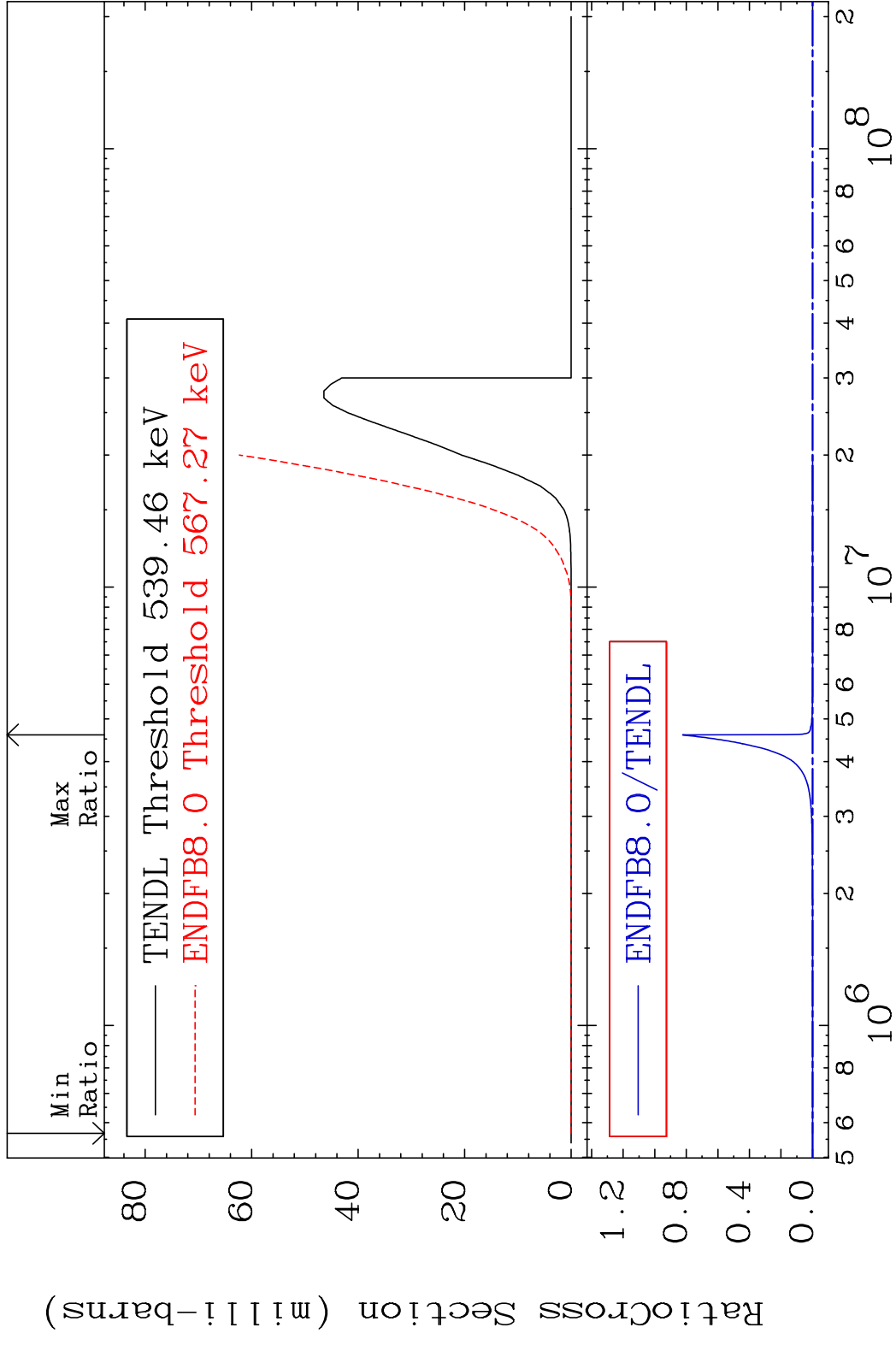


5

Incident Energy (eV)

56-Ba-130

MAT 5625 (n, n') α 56-Ba-130
 Cross Section -100.0 To 9999. %

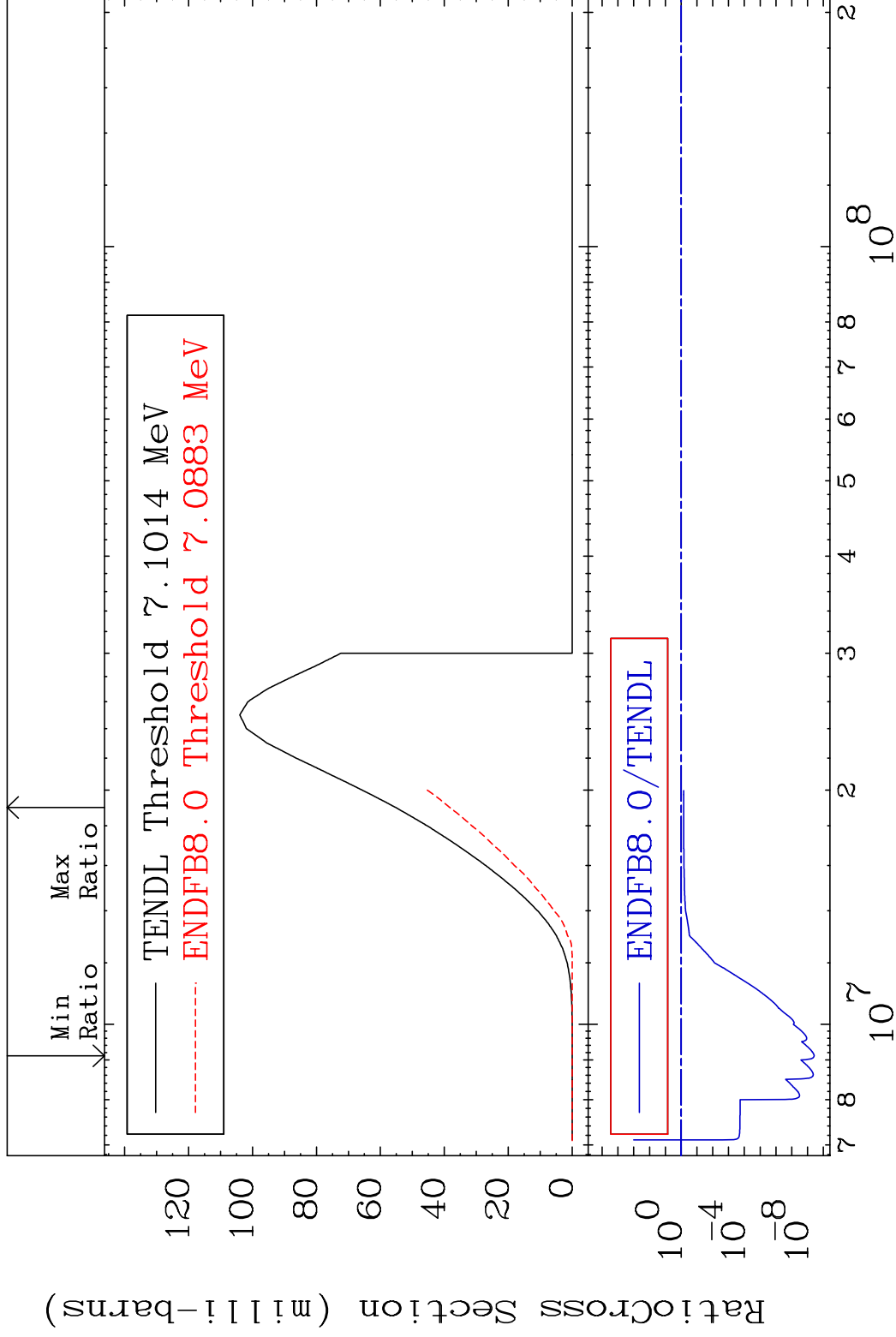


MAT 5625

(n, n') p

56-Ba-130

Cross Section -100.0 To -30.57%

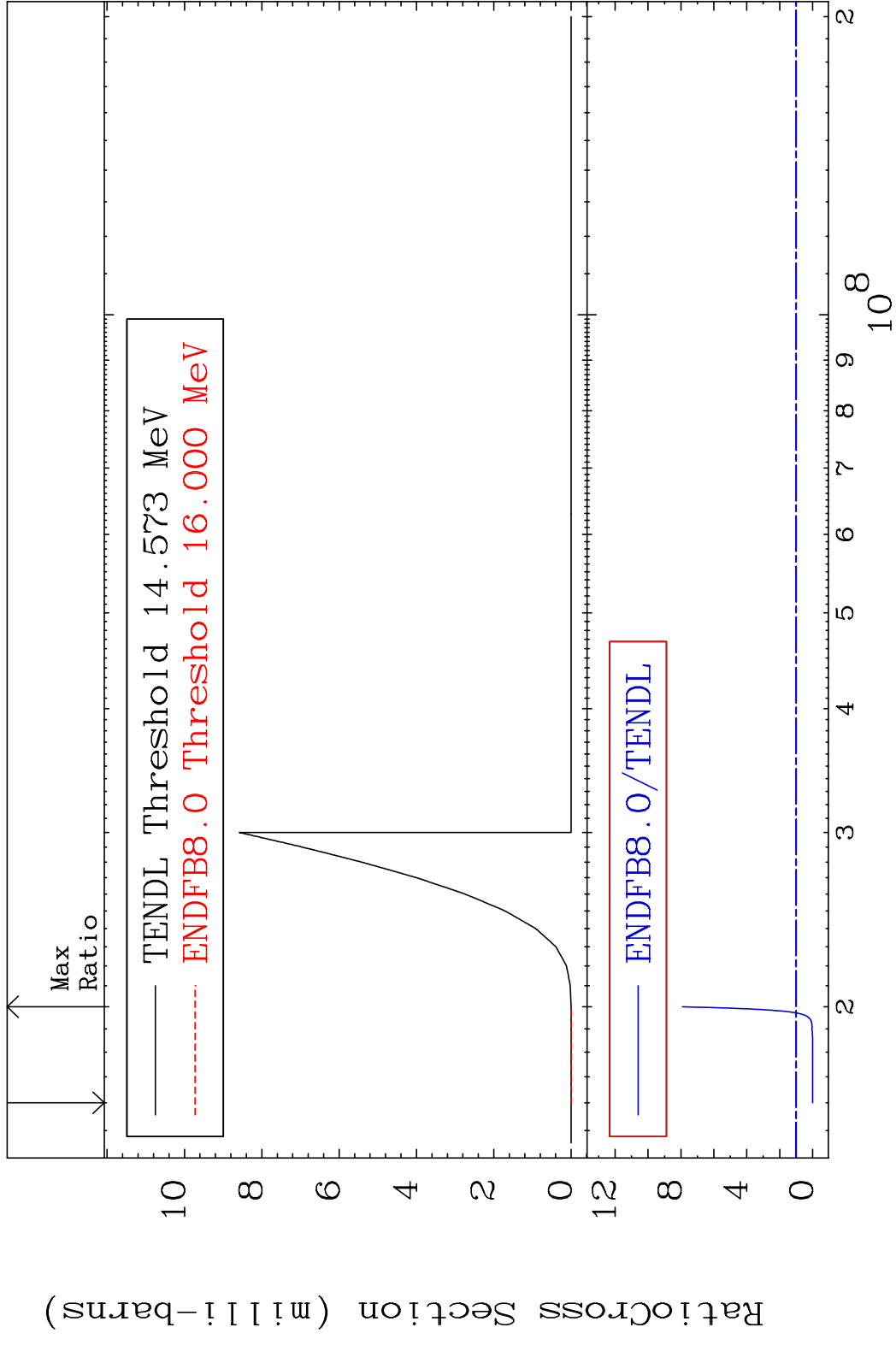


7

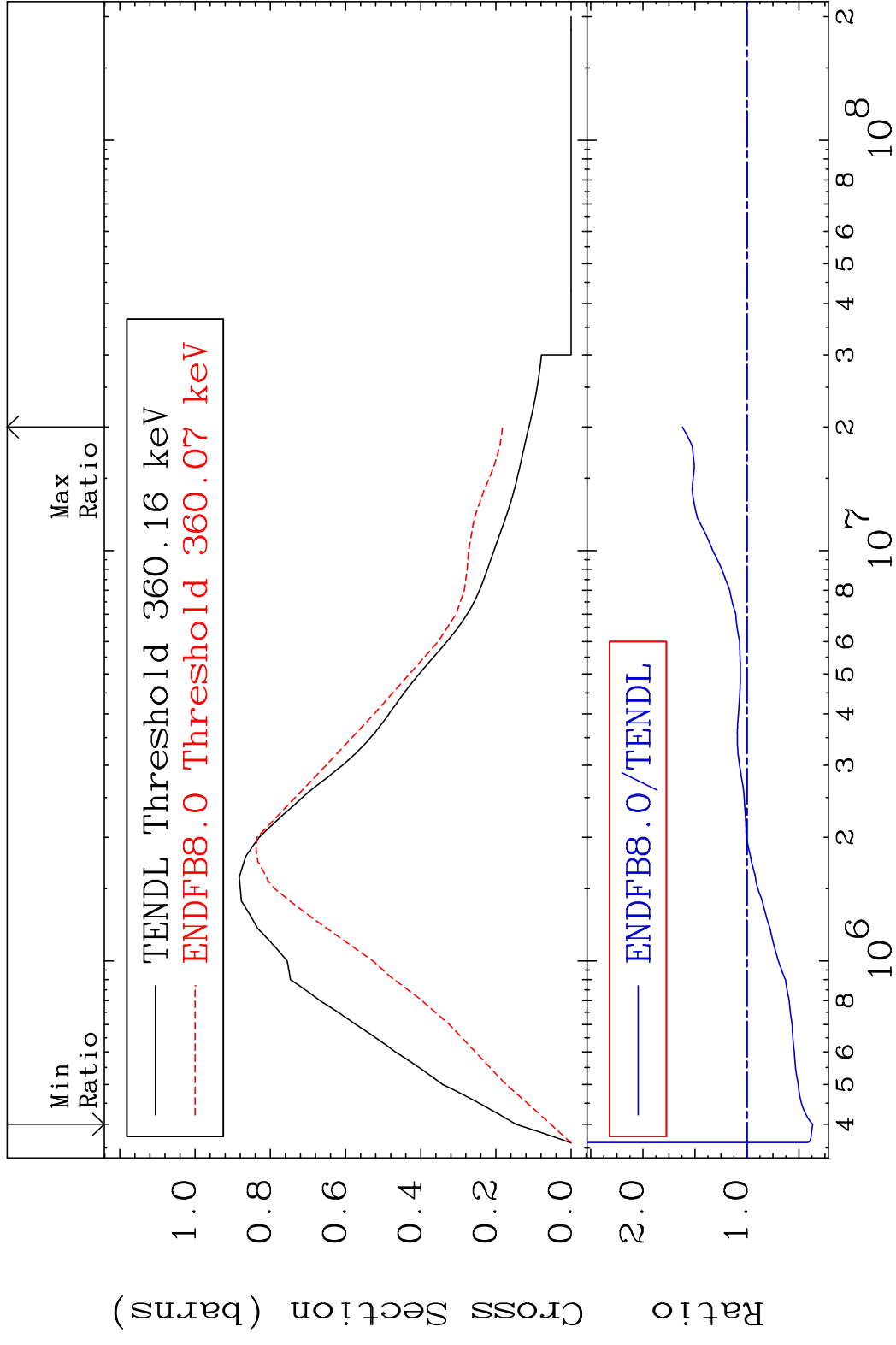
Incident Energy (eV)

56-Ba-130

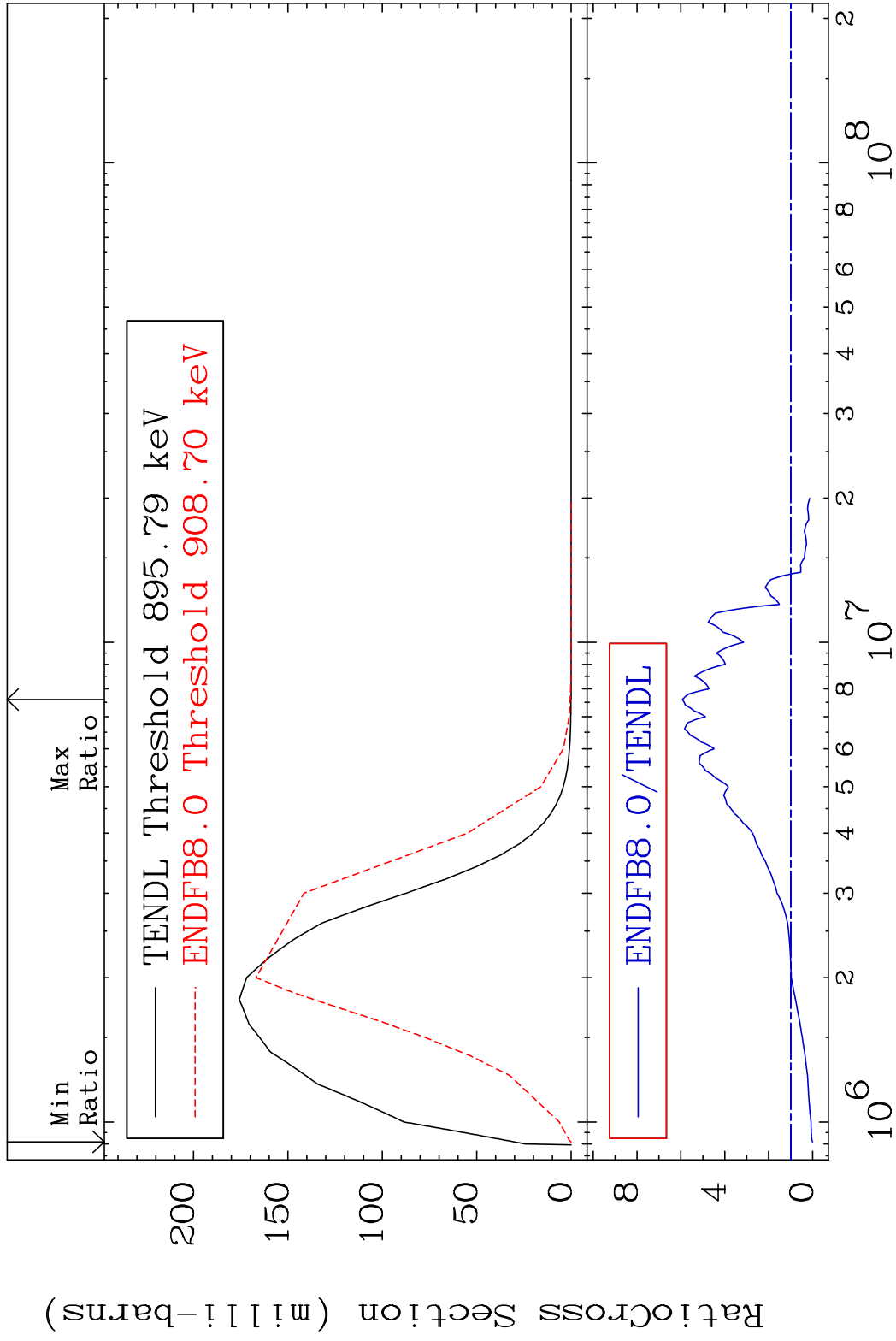
MAT 5625 (n, n') d 56-Ba-130
 Cross Section -100.0 To 691.5 %



MAT 5625 MT= 51 (n, n') Level 56-Ba-130
 Cross Section -63.04 To 62.05 %

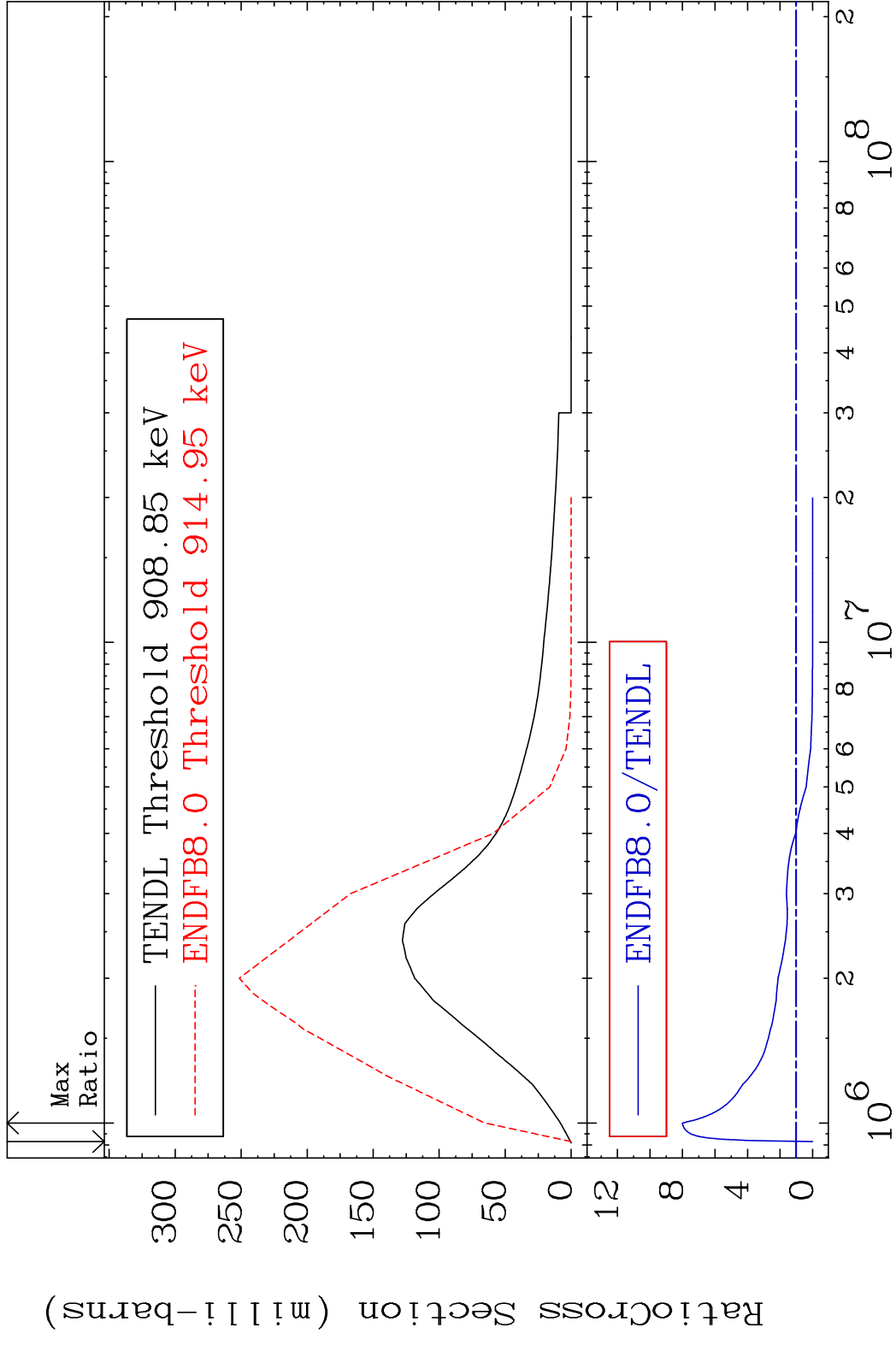


MAT 5625 MT= 52 (n,n') Level 56-Ba-130
Cross Section -100.0 To 493.4 %



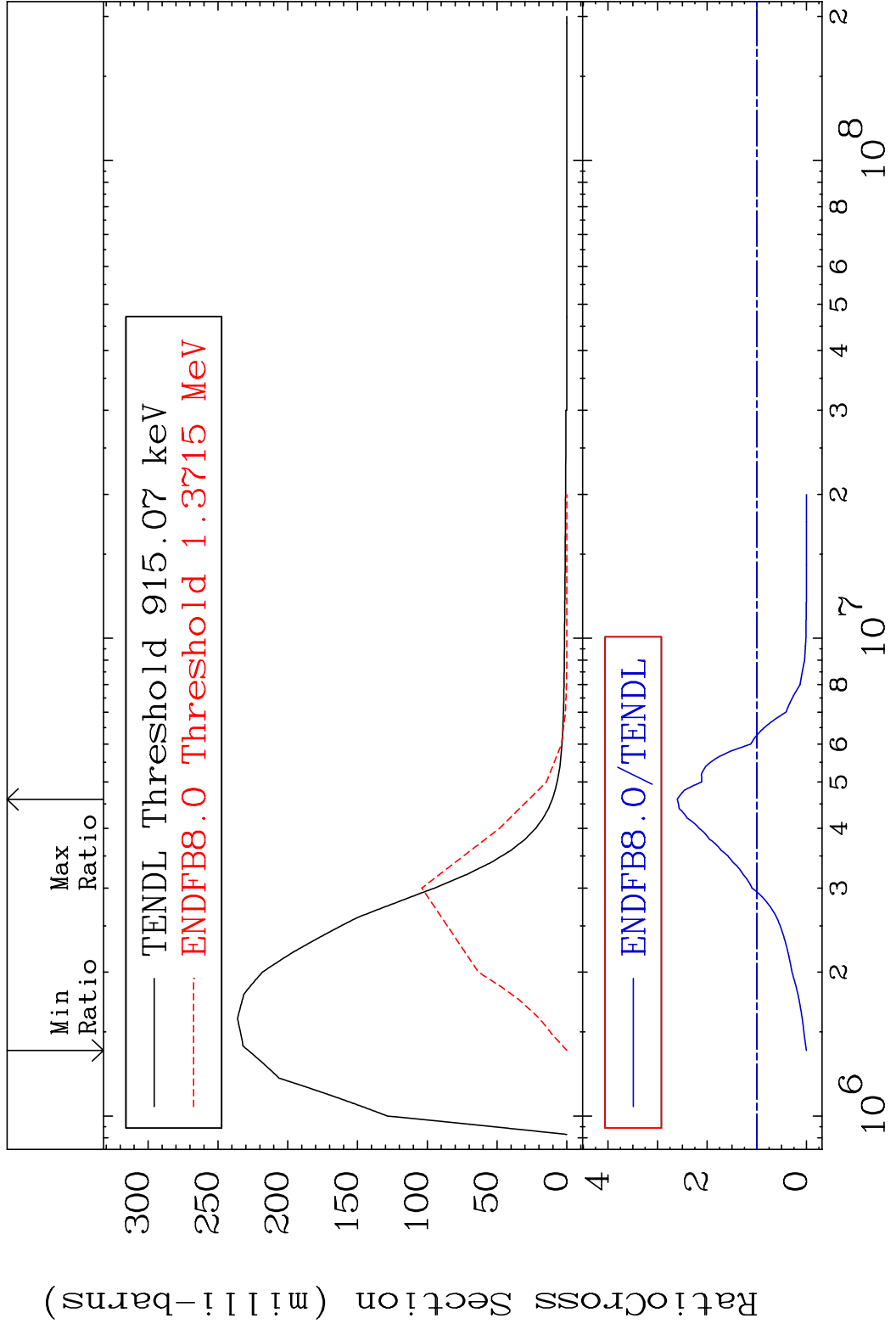
10 2 2 3 4 5 6 8 8 10⁶ 10⁸ 56-Ba-130

MAT 5625 MT= 53 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 700.7 %



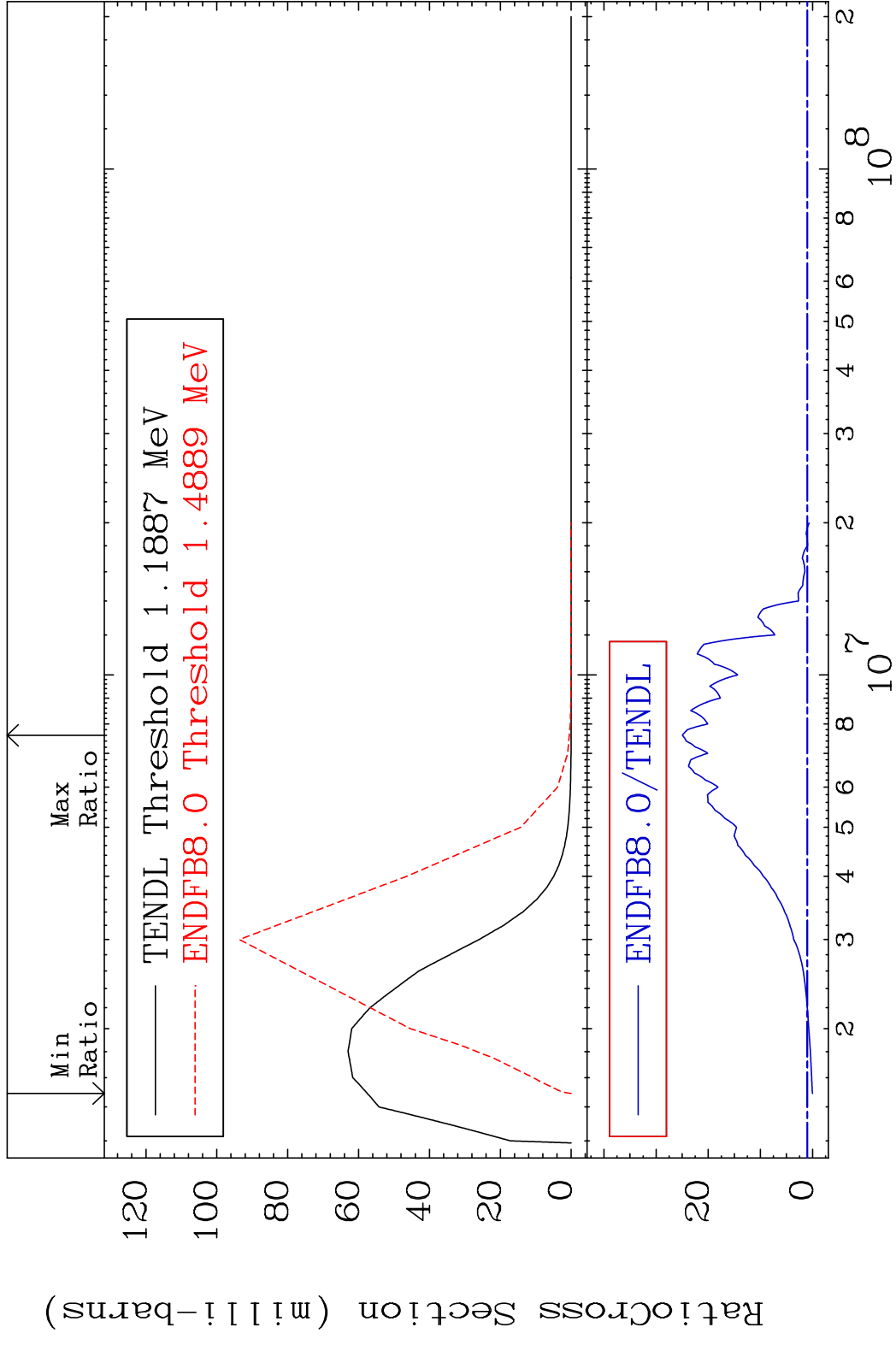
11 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 54 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 160.5 %

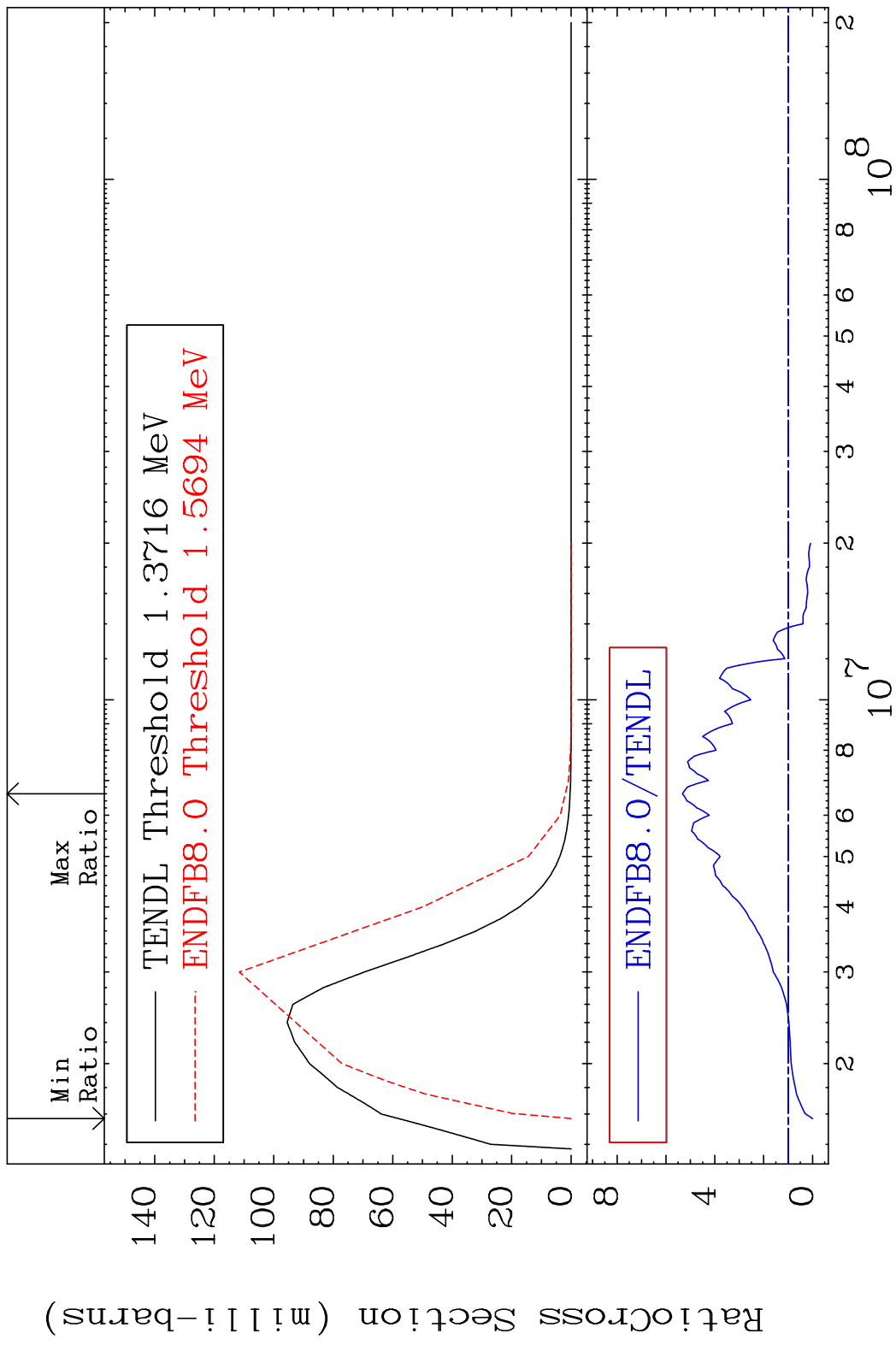


12 56-Ba-130

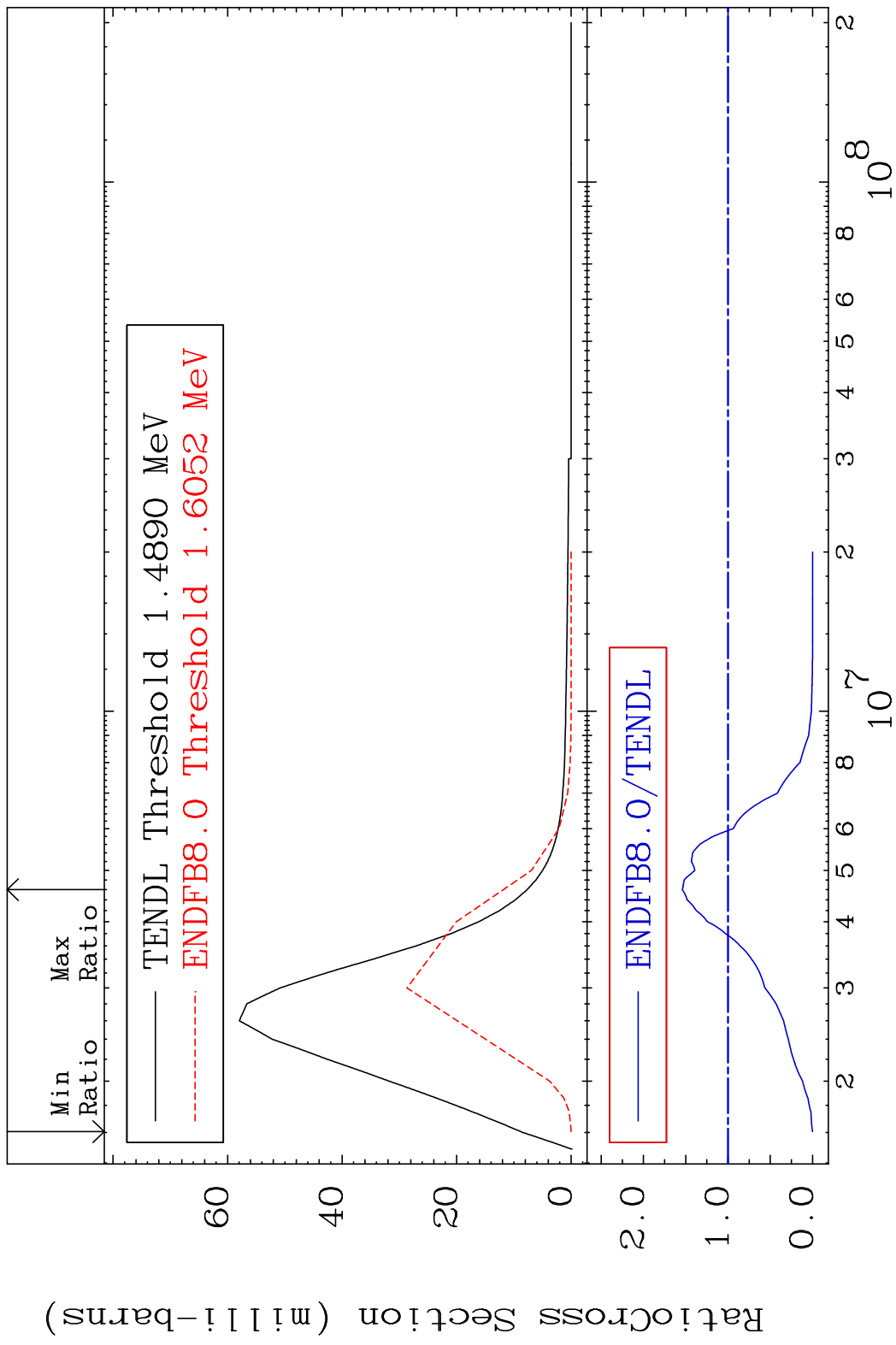
MAT 5625 MT= 55 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 2397. %



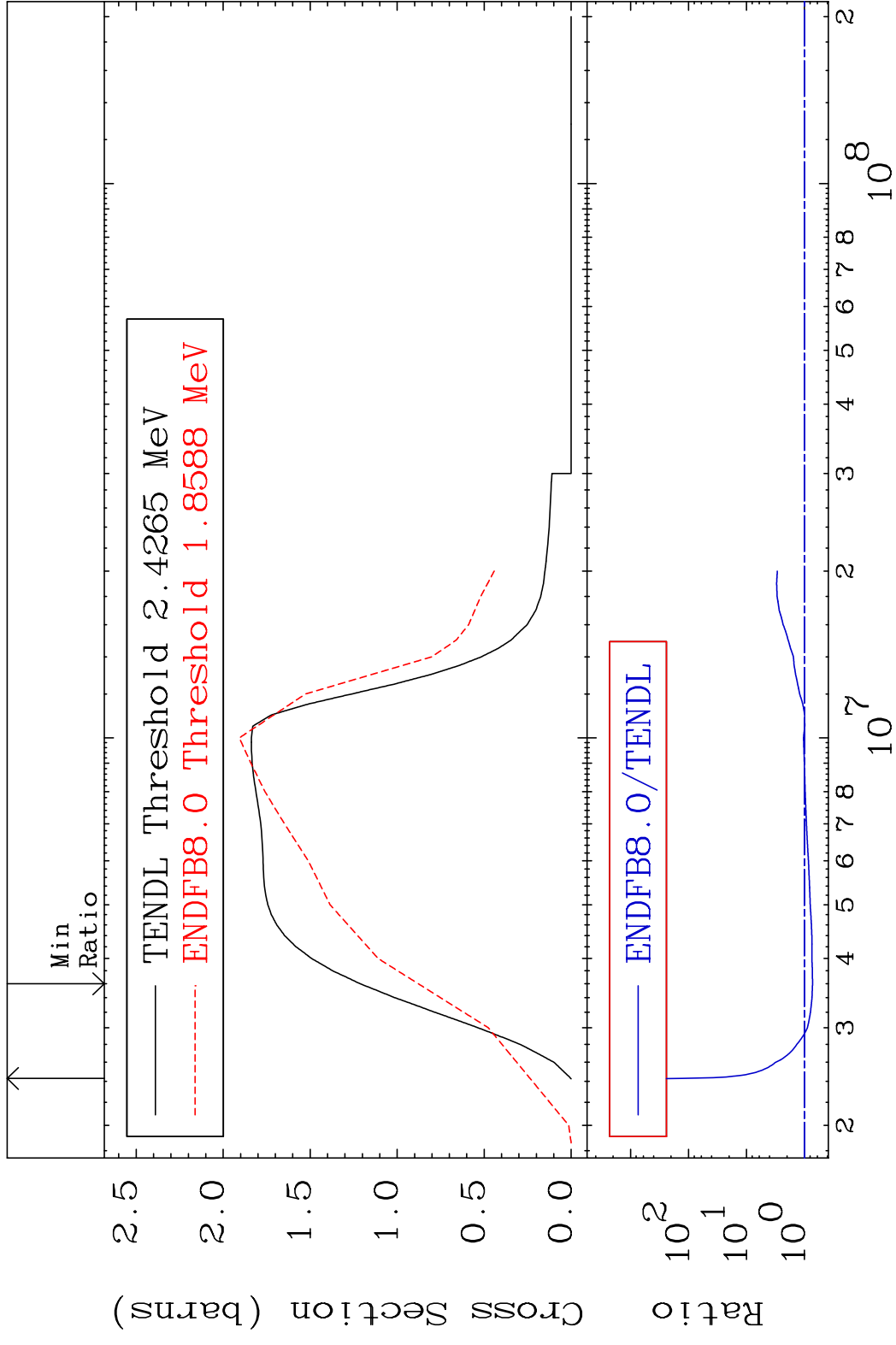
MAT 5625 MT= 56 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 432.8 %



MAT 5625 MT= 57 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 54.03 %



MAT 5625 (n, n') Continuum 56-Ba-130
 Cross Section -27.59 To 9999. %

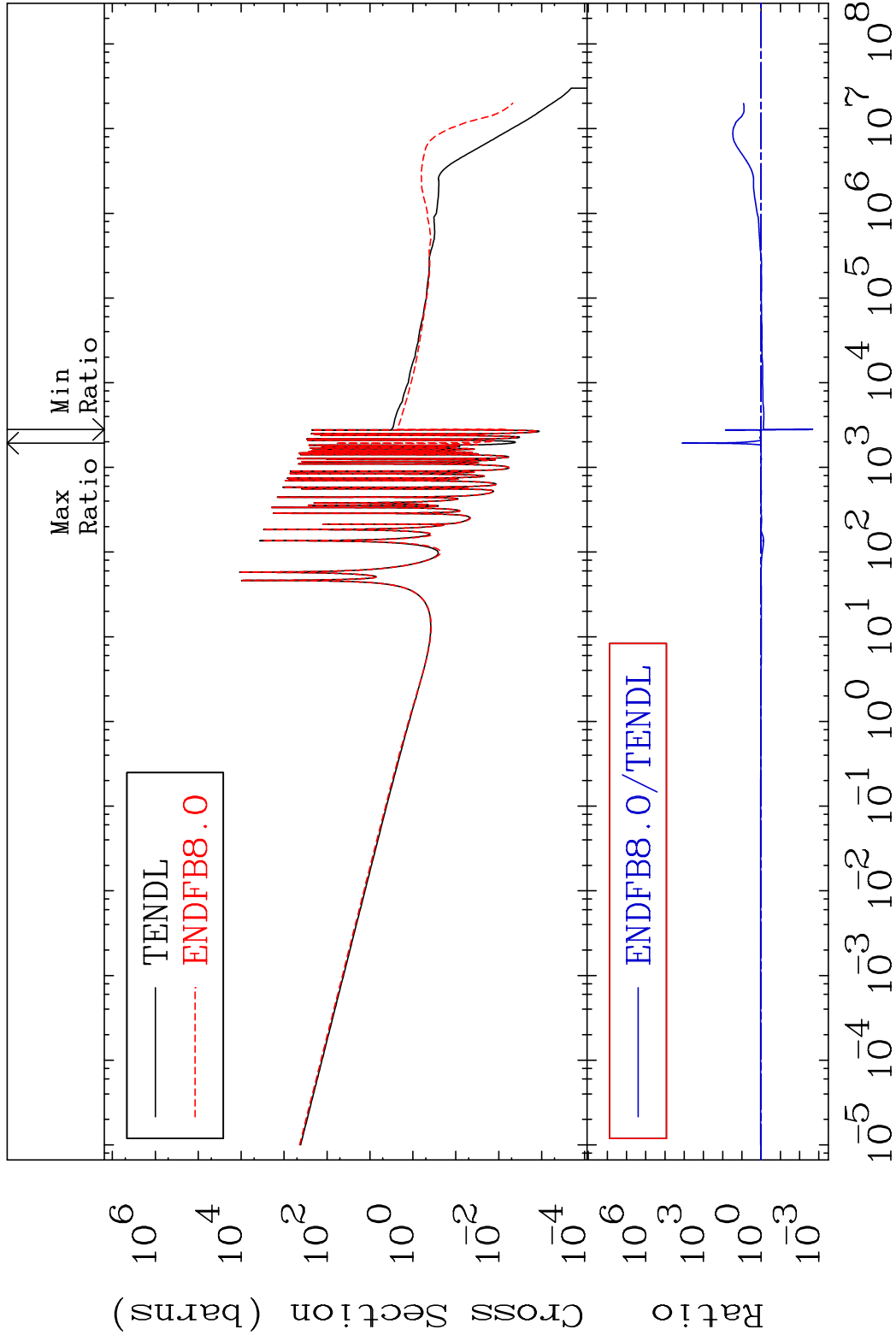


MAT 5625

(n, γ)

56-Ba-130

Cross Section -99.79 To 9999. %



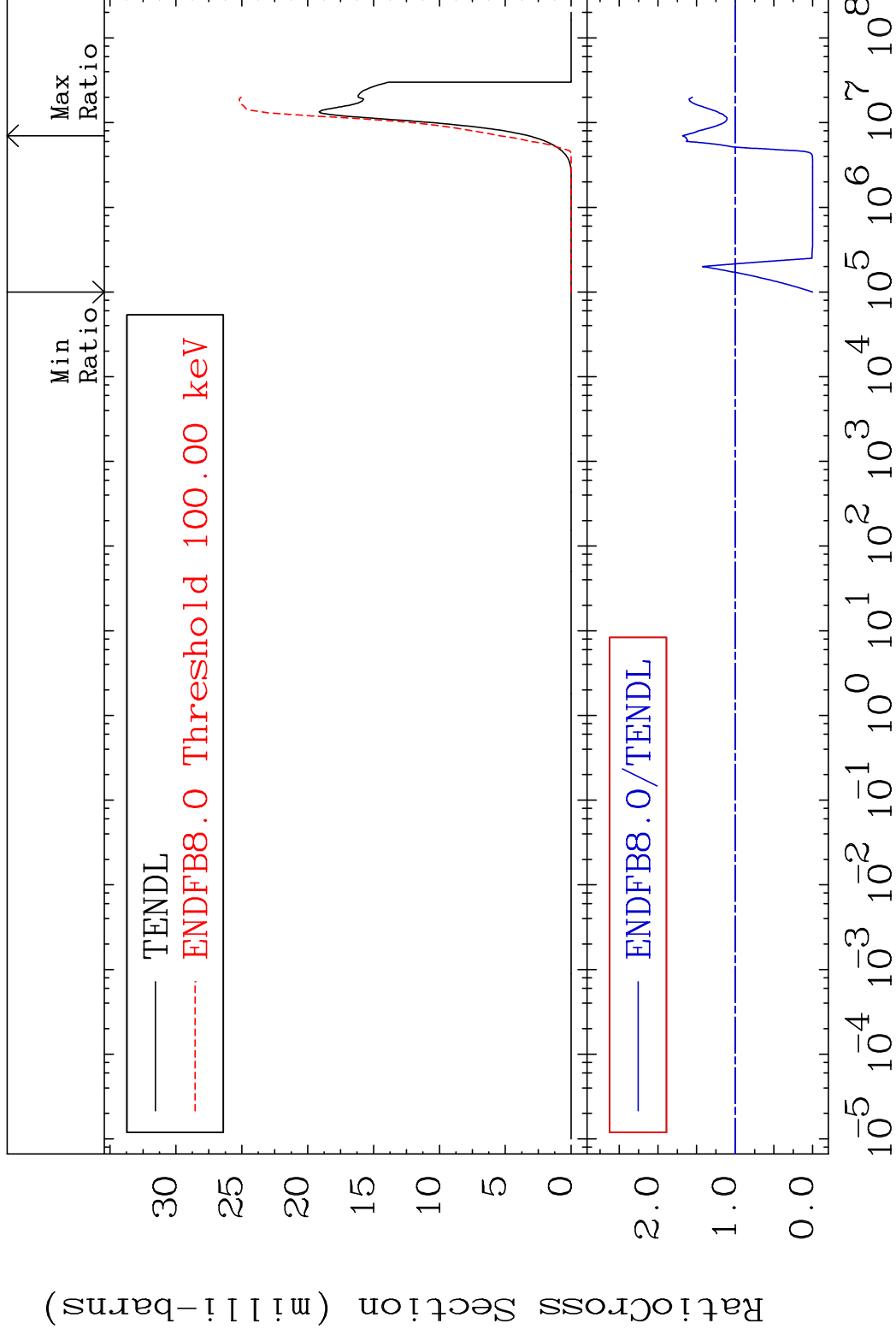
MAT 5625

(n, p)

56-Ba-130

Cross Section

-100.0 To 68.42 %



18

Incident Energy (eV)

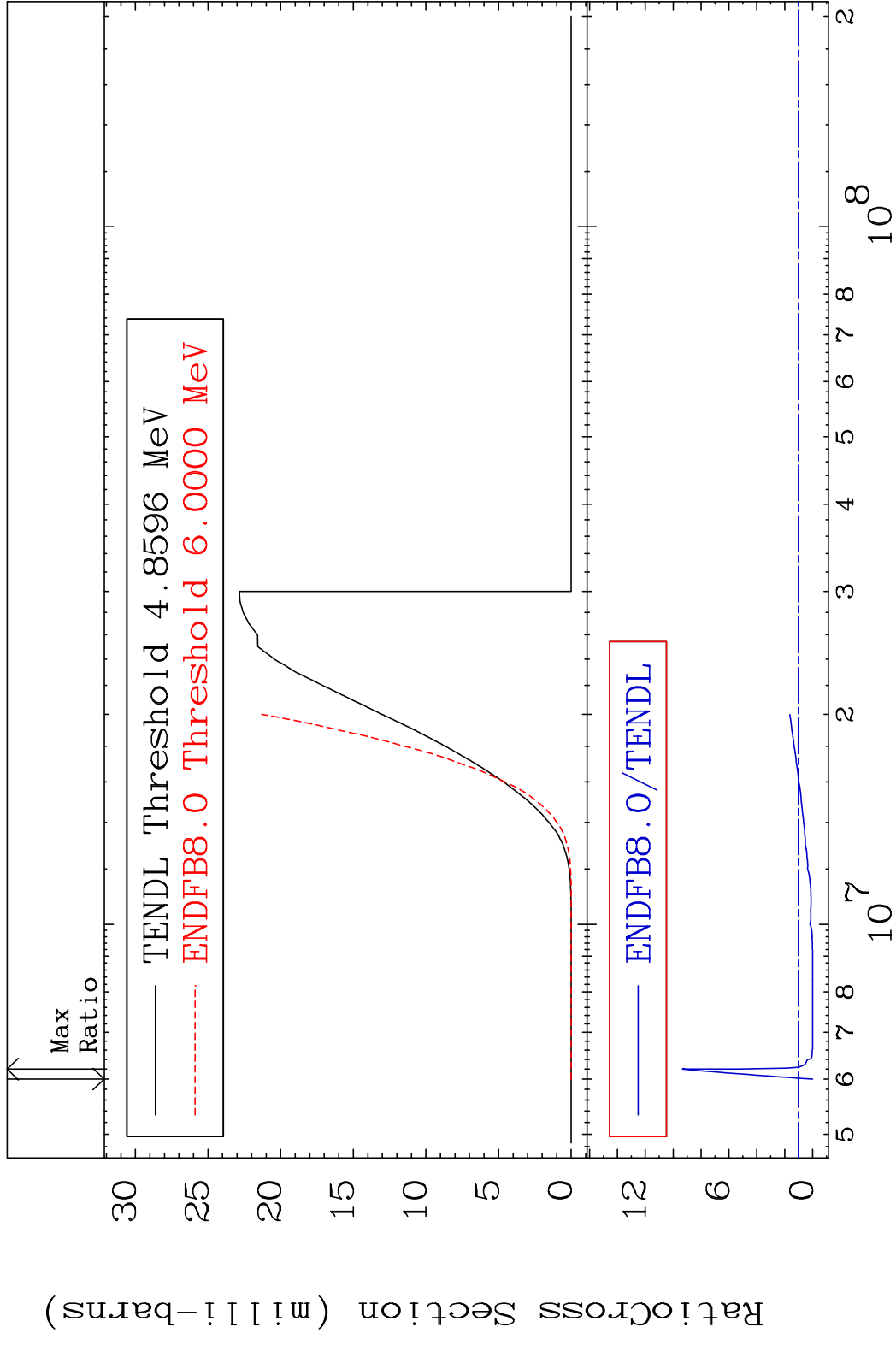
56-Ba-130

MAT 5625

(n, d)

56-Ba-130

Cross Section -100.0 To 834.1 %

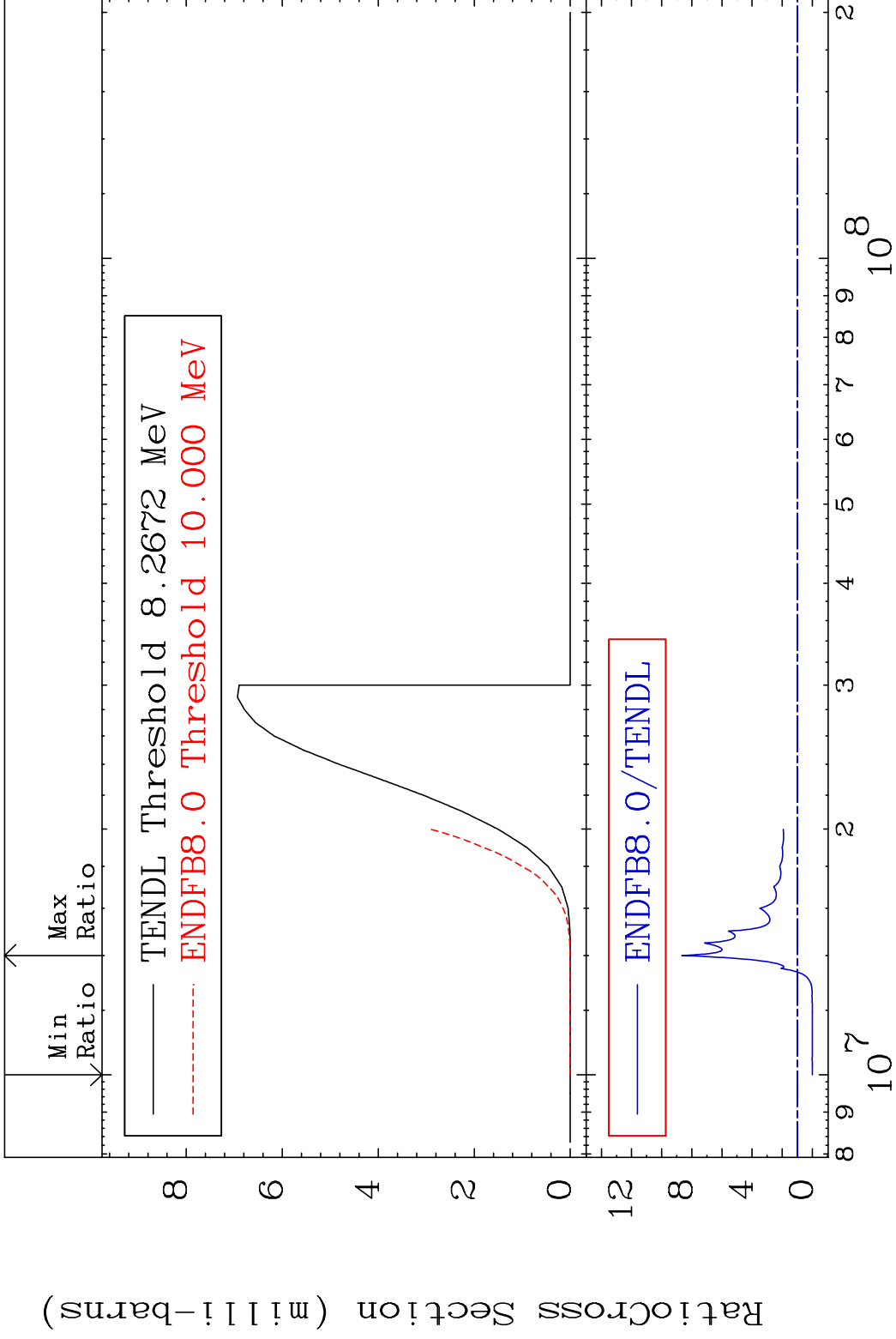


MAT 5625

(n, t)

56-Ba-130

Cross Section -100.0 To 766.8 %



20

Incident Energy (eV)

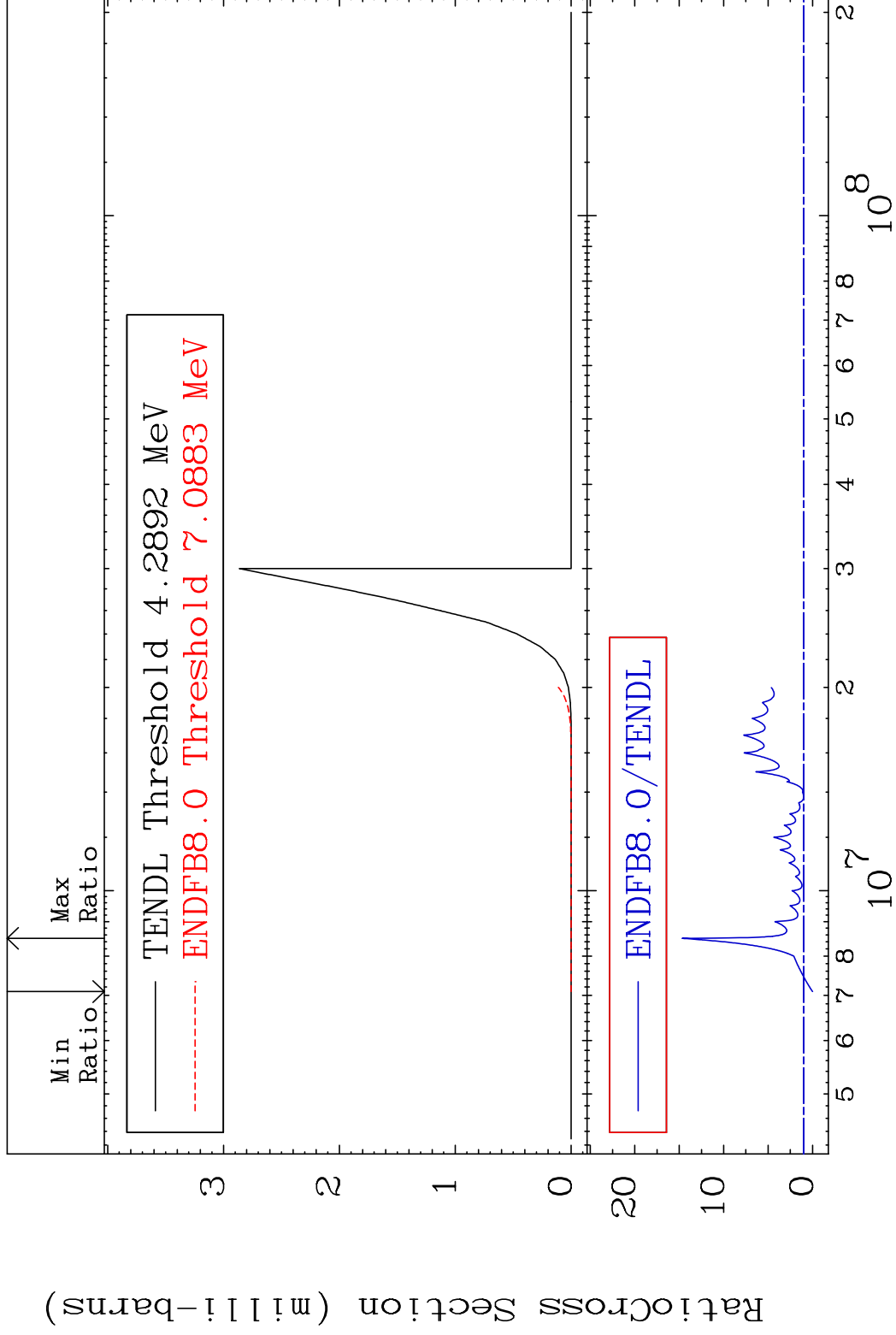
56-Ba-130

MAT 5625

(n, He-3)

56-Ba-130

Cross Section -100.0 To 1365. %



21

Incident Energy (eV)

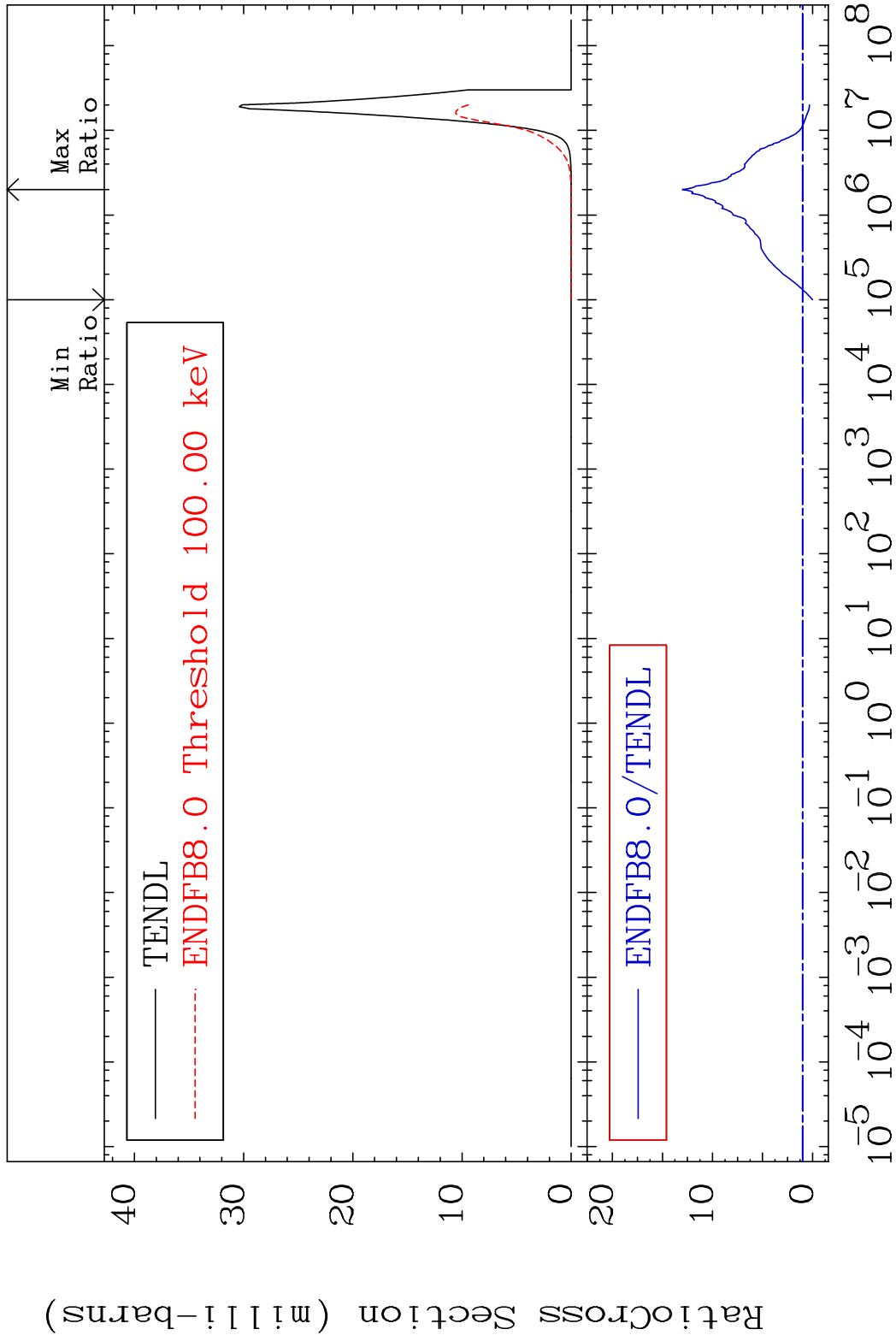
56-Ba-130

MAT 5625

(n, α)

56-Ba-130

Cross Section -100.0 To 1201. %

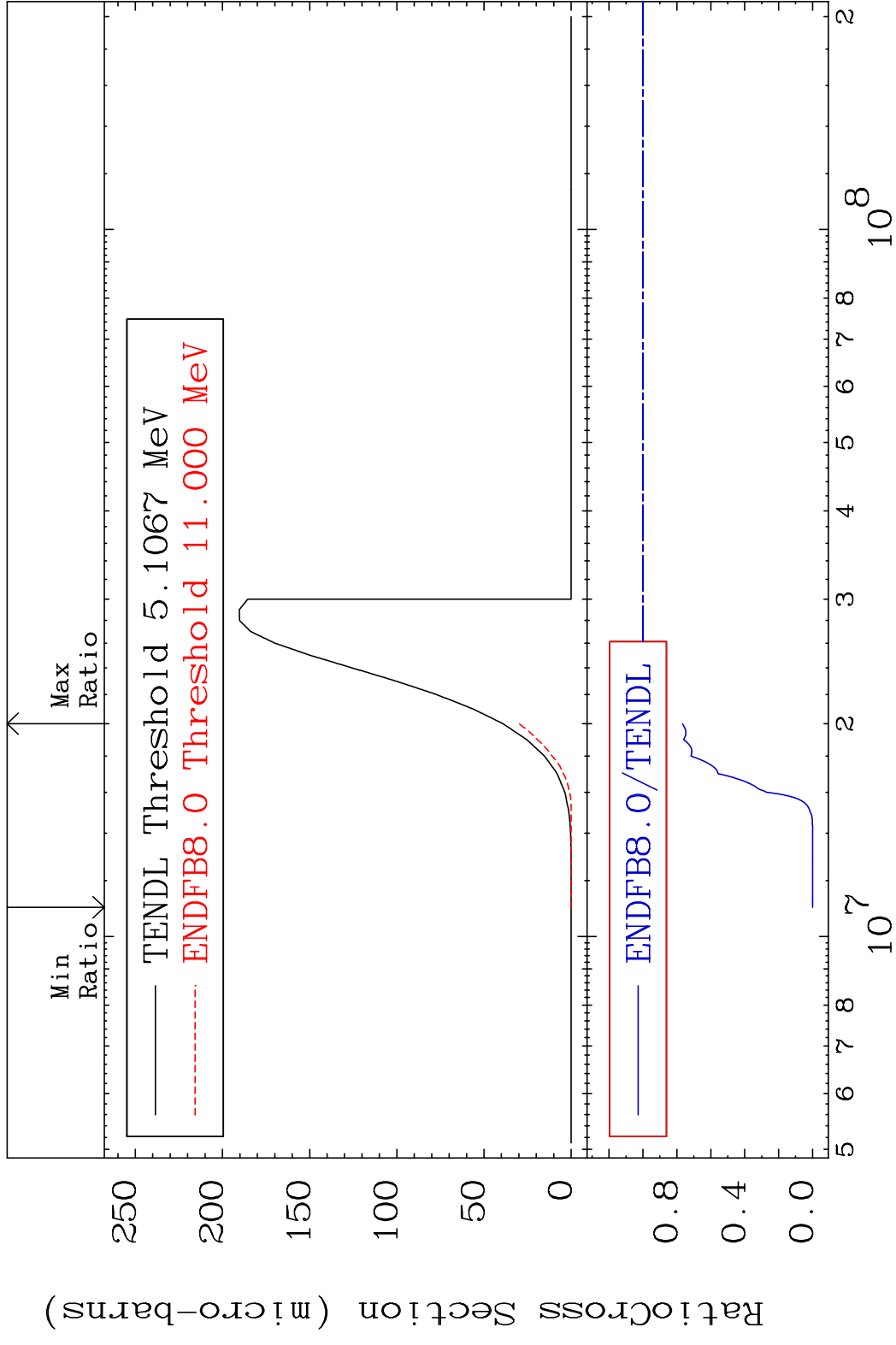


22

Incident Energy (eV)

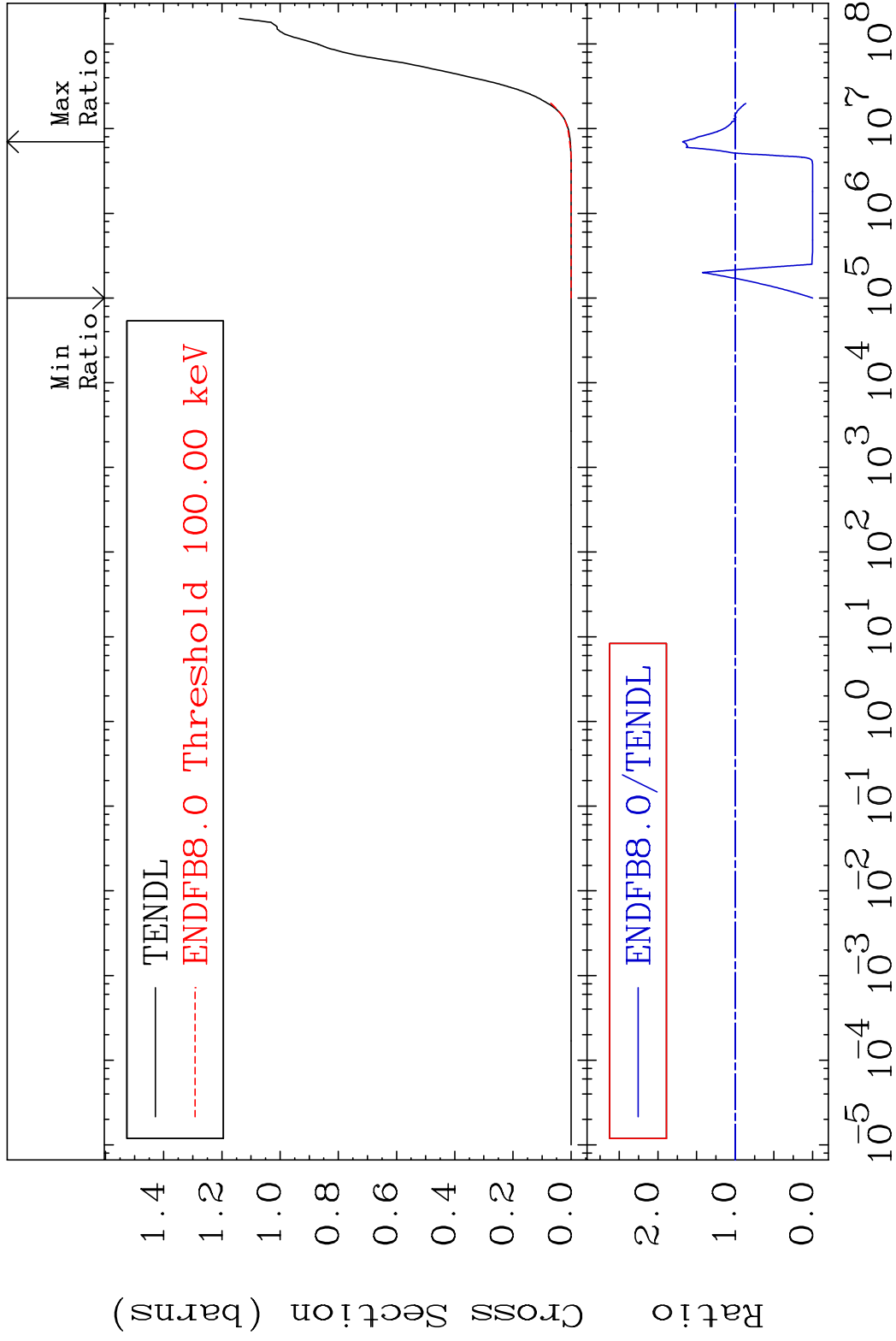
56-Ba-130

MAT 5625 (n,2p) 56-Ba-130
 Cross Section -100.0 To -23.23%



MAT 5625

Hydrogen Production 56-Ba-130
Cross Section -100.0 To 68.42 %



24

Incident Energy (eV)

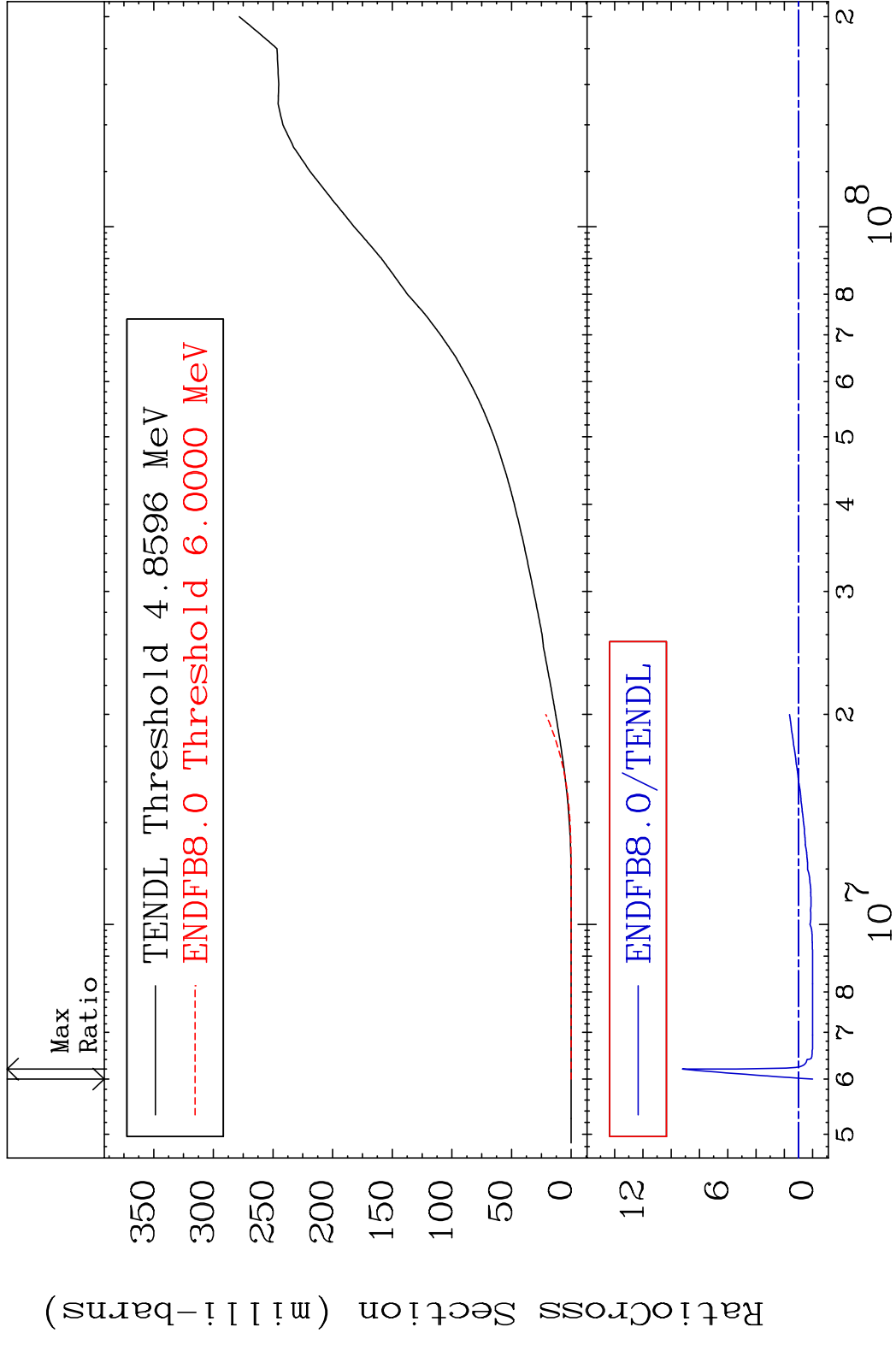
56-Ba-130

MAT 5625

Deuterium Production

56-Ba-130

Cross Section -100.0 To 820.8 %



25

Incident Energy (eV)

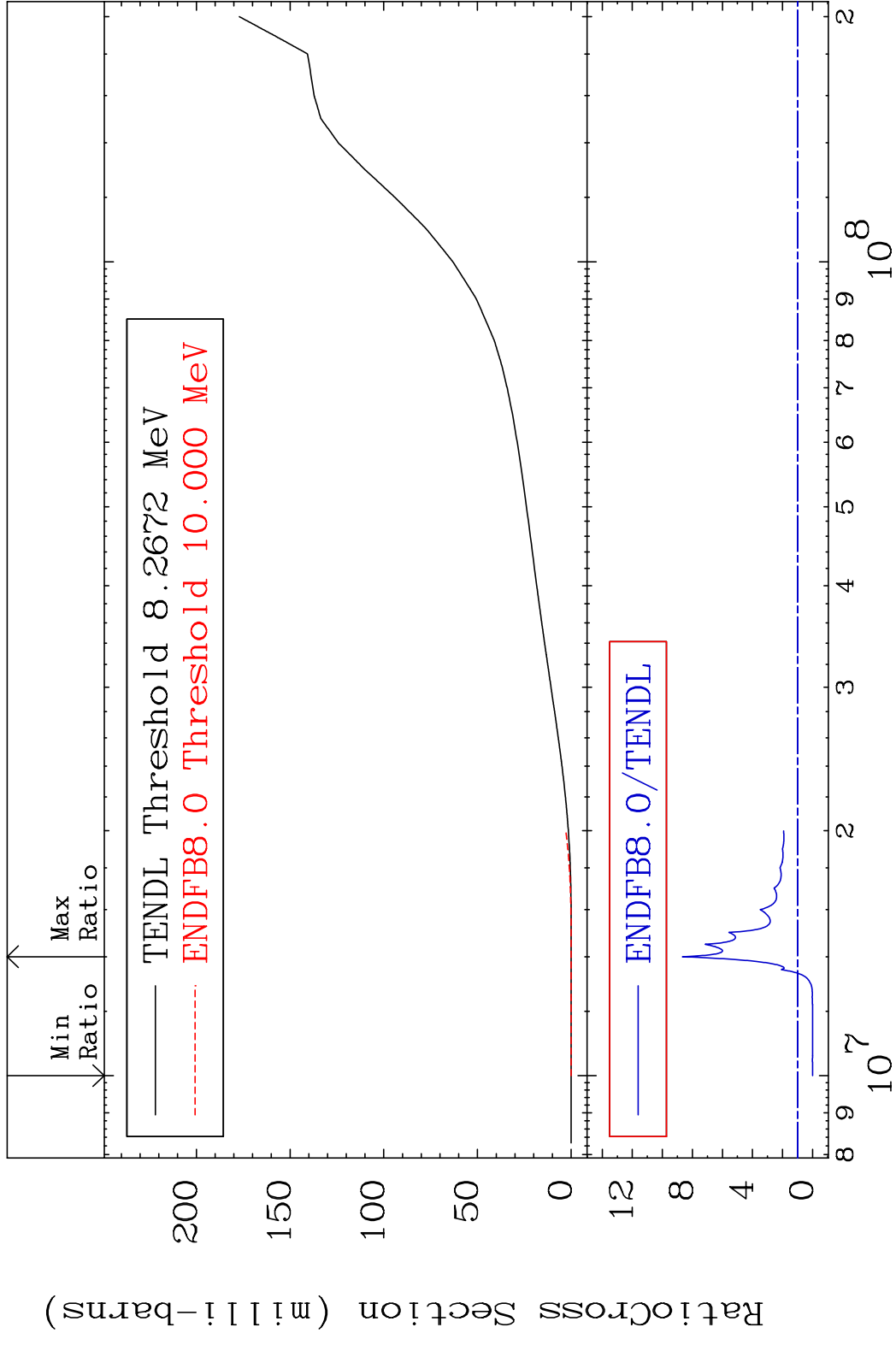
56-Ba-130

MAT 5625

Tritium Production

56-Ba-130

Cross Section -100.0 To 766.8 %

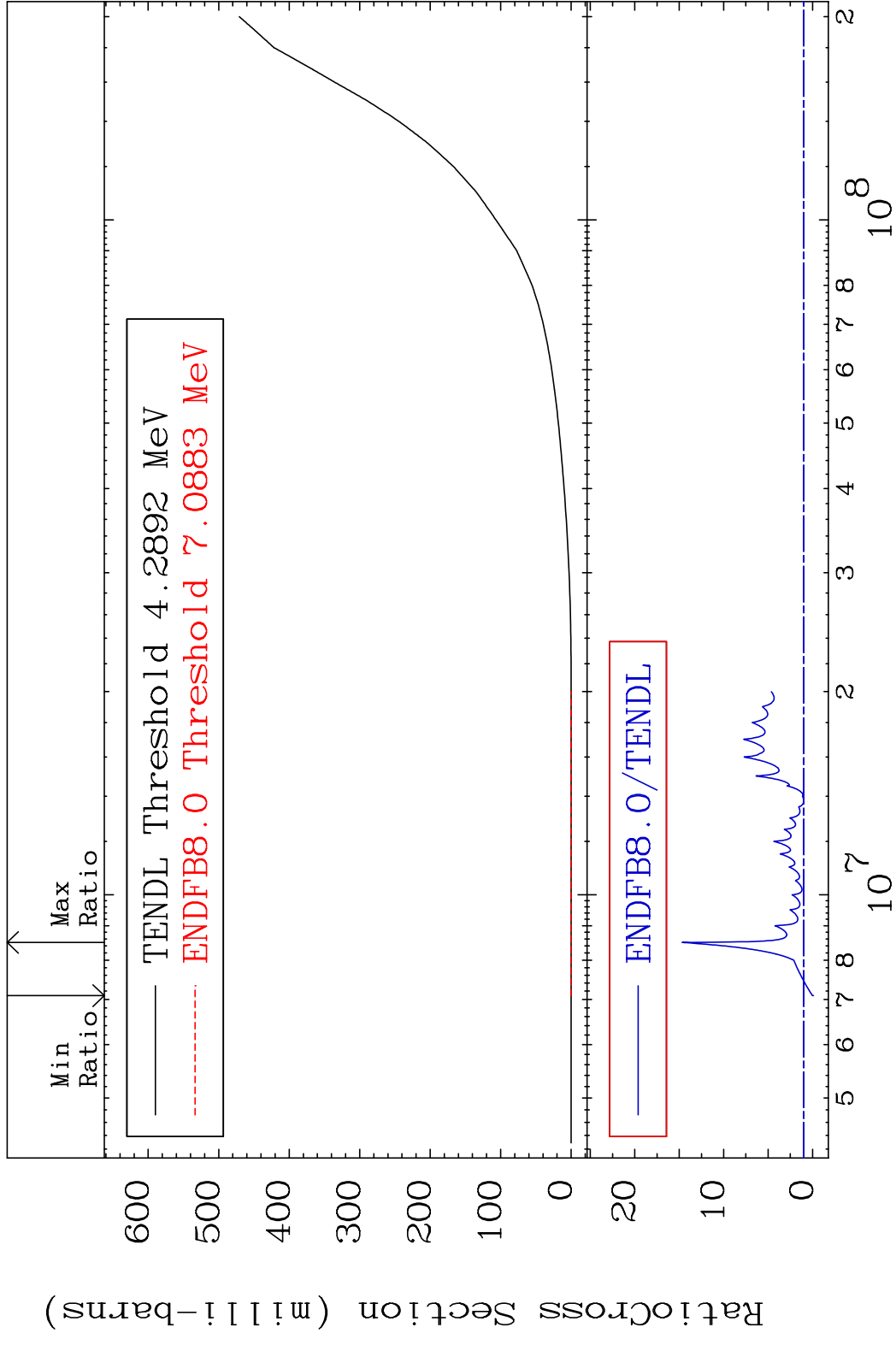


MAT 5625

He-3 Production

56-Ba-130

Cross Section -100.0 To 1365. %

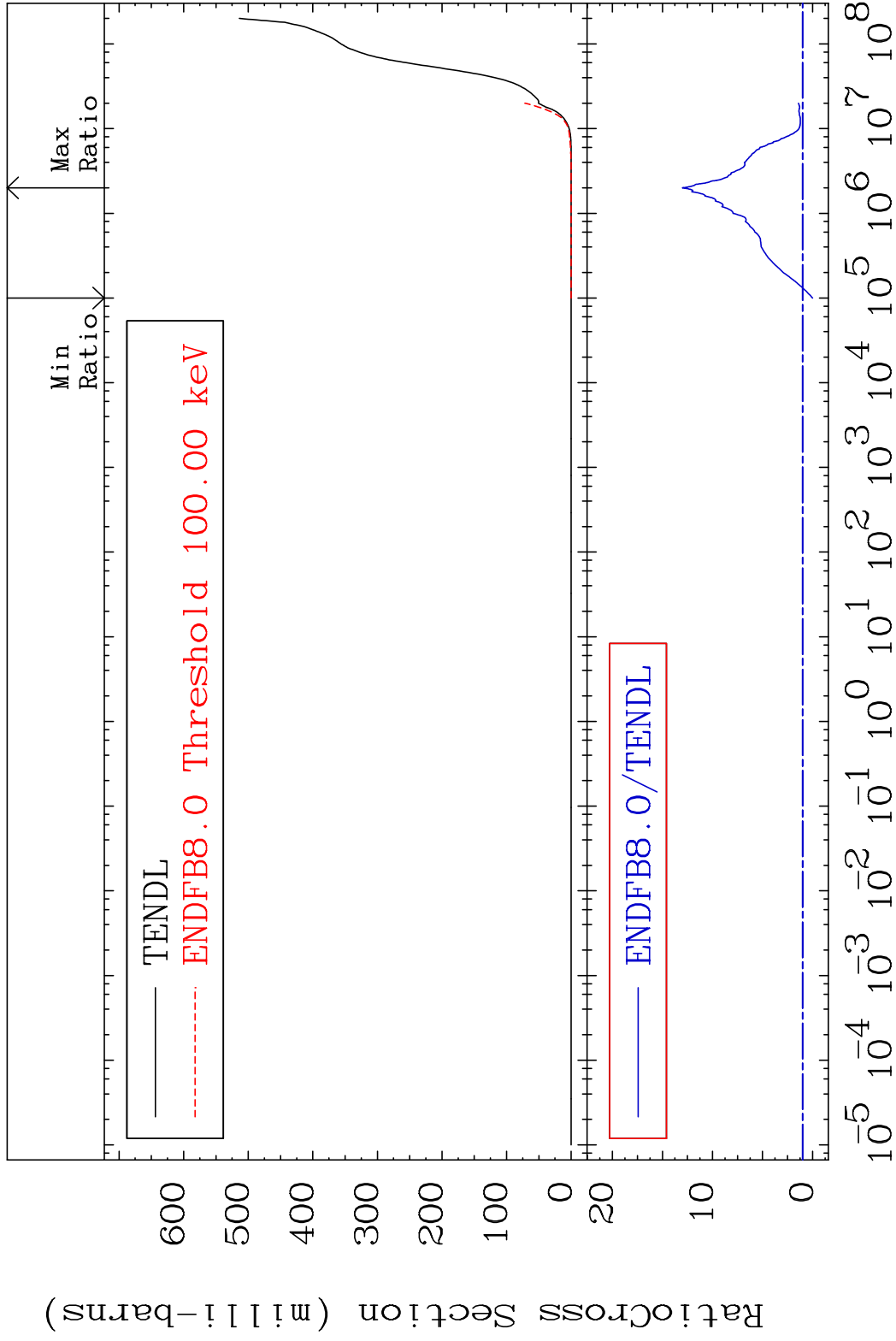


MAT 5625

He-4 Production

56-Ba-130

Cross Section -100.0 To 1201. %

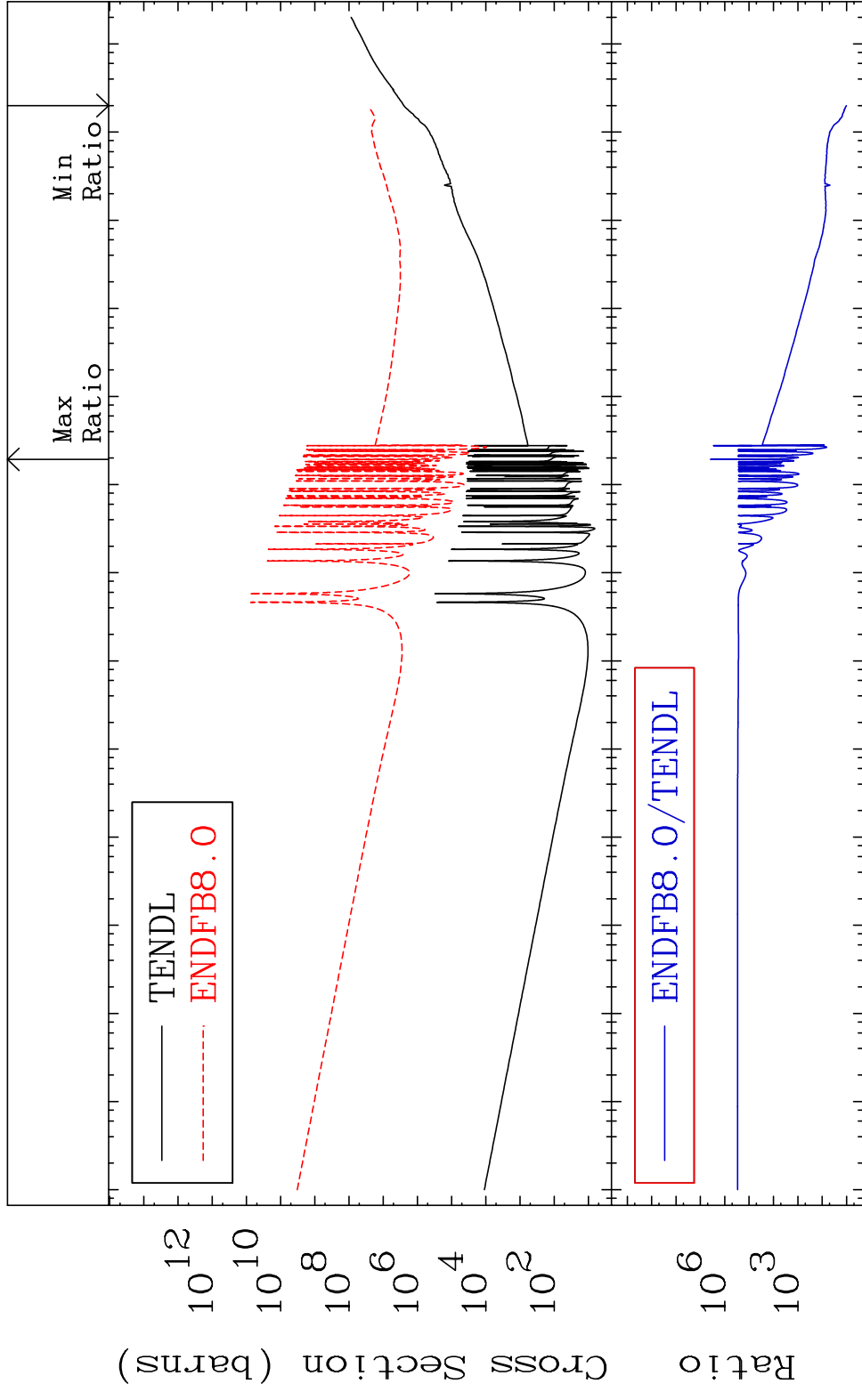


28

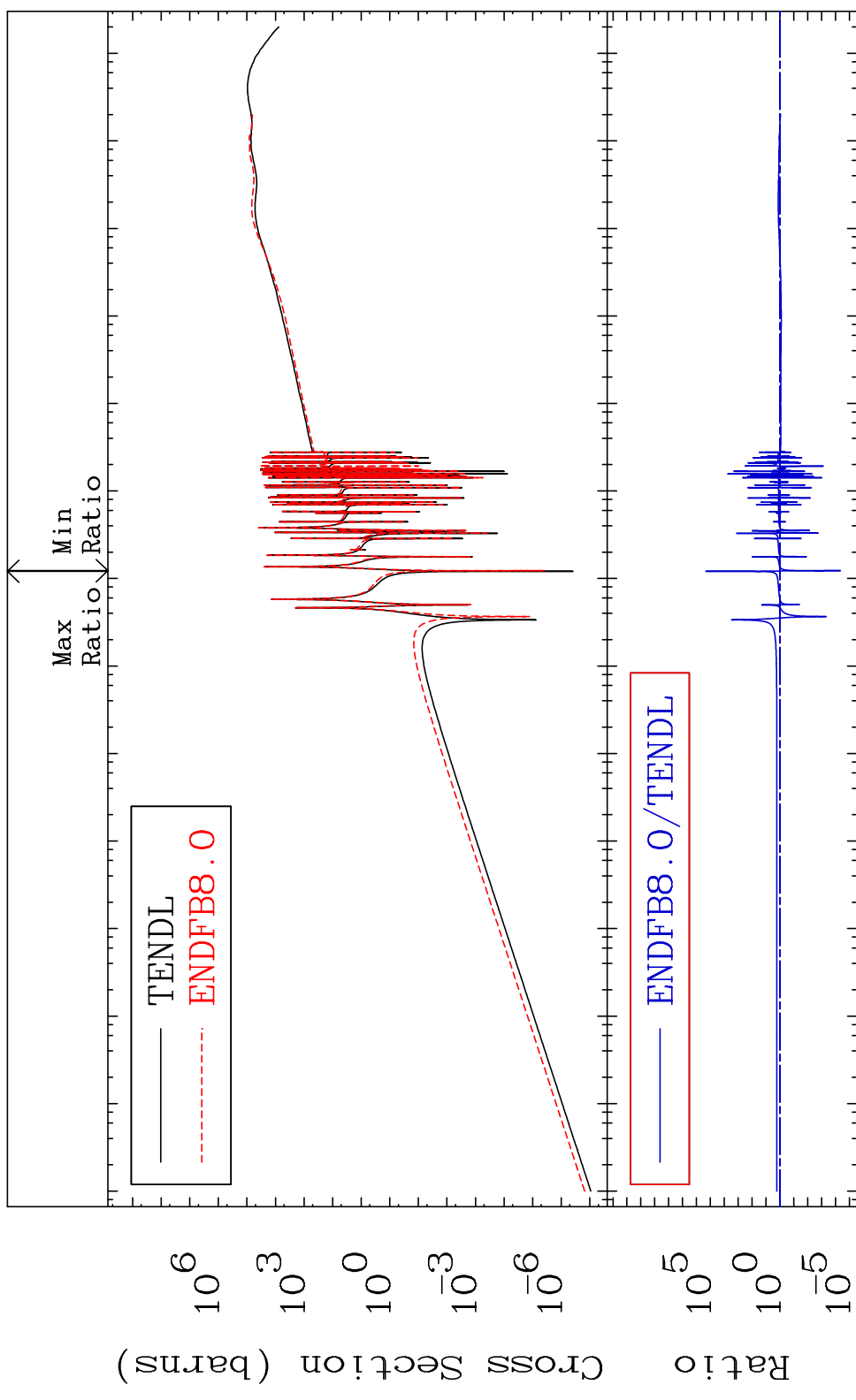
Incident Energy (eV)

56-Ba-130

MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section 922.5 To 9999. %

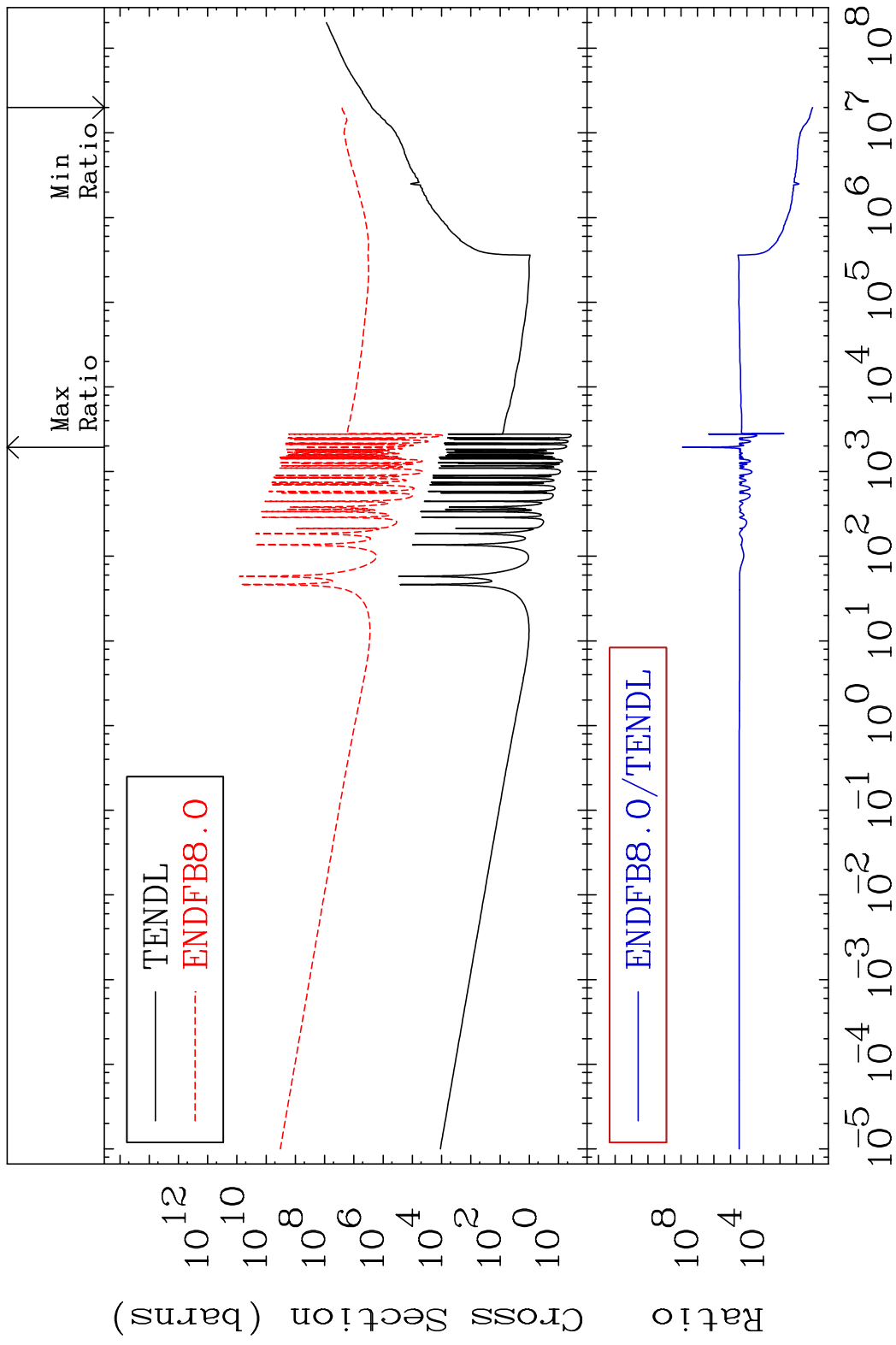


MAT 5625 Kerma elastic 56-Ba-130
 Cross Section -100.0 To 9999. %

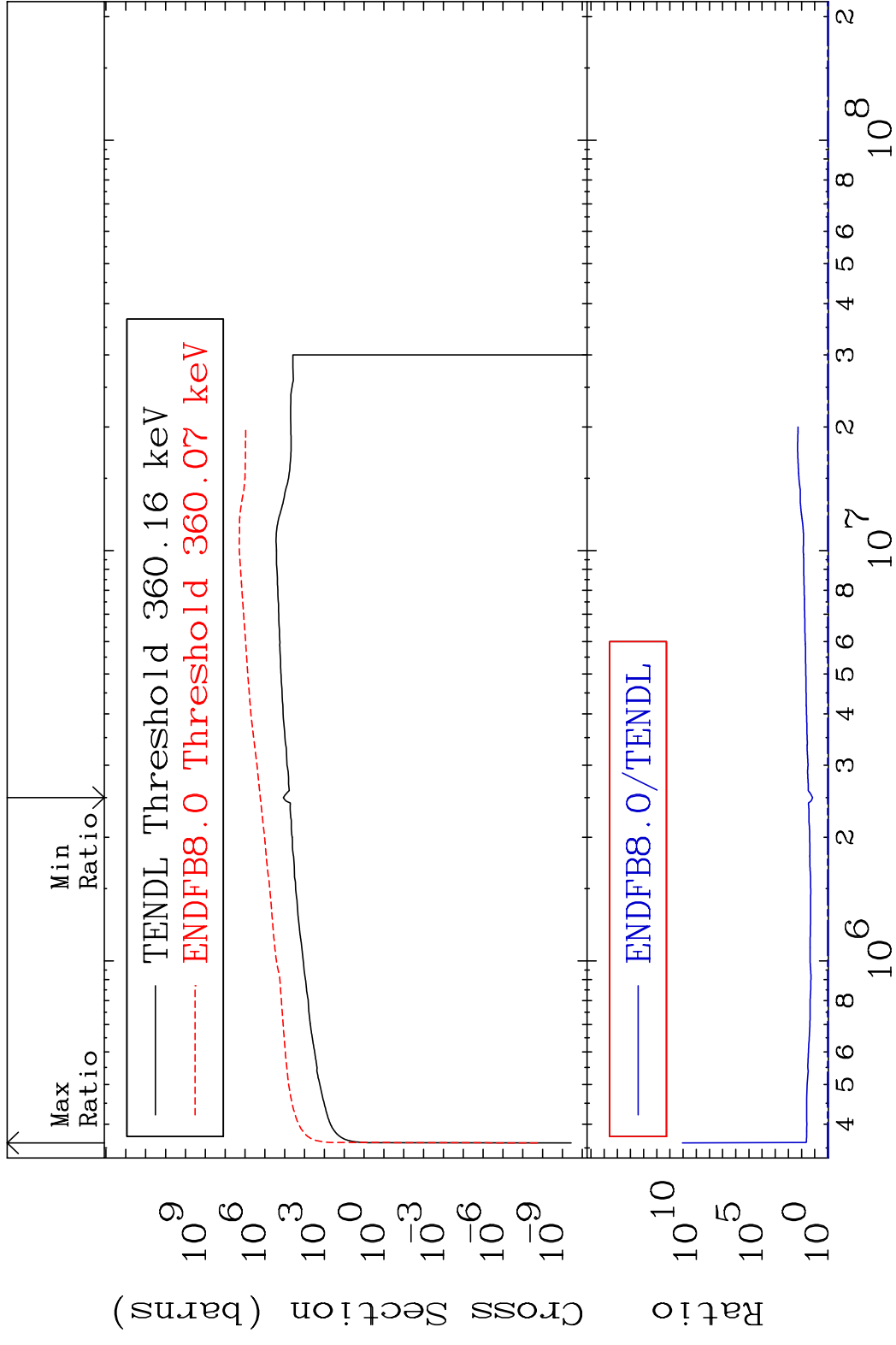


30 Incident Energy (eV) 56-Ba-130

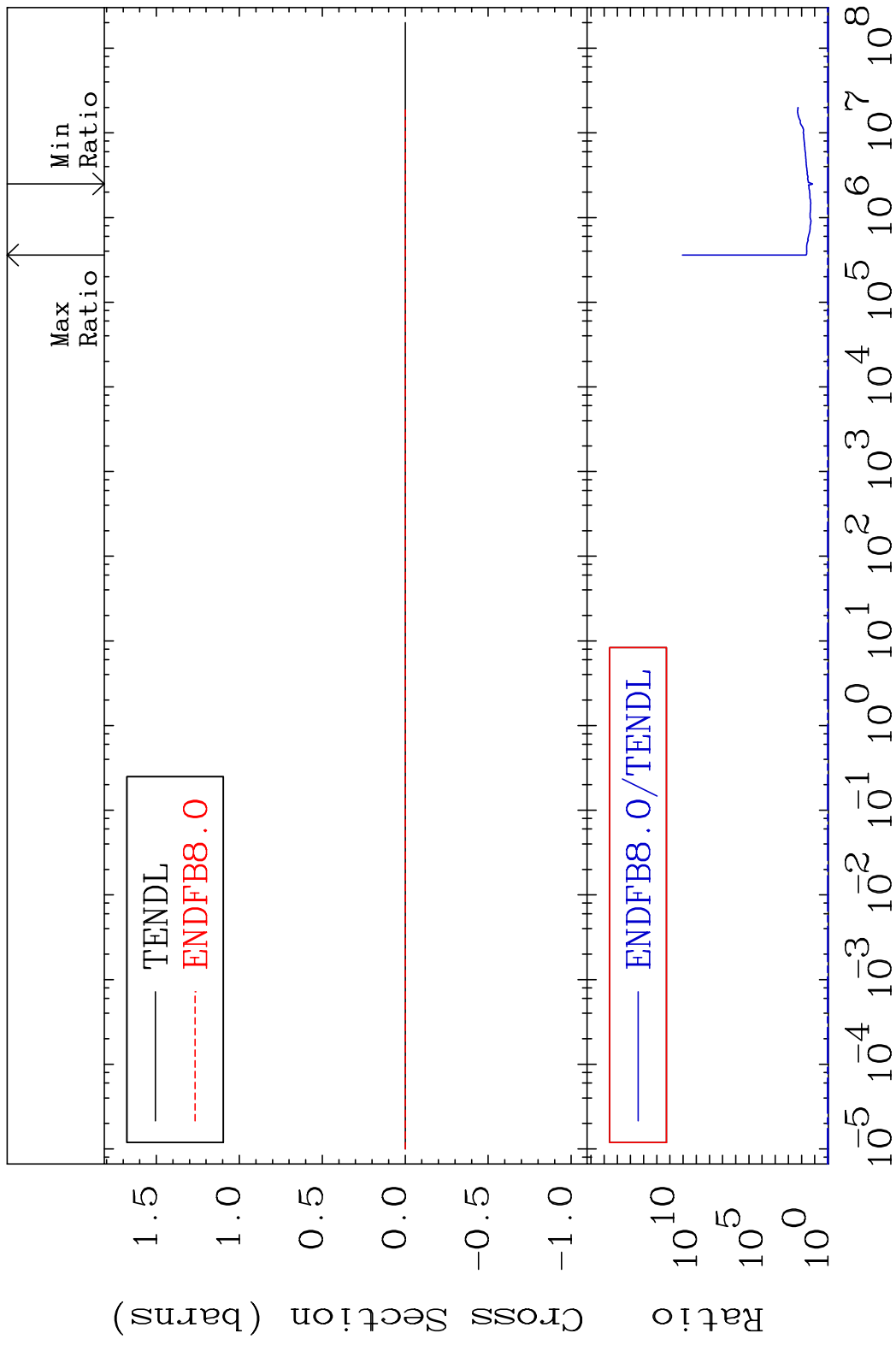
MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
 Cross Section 949.9 To 9999. %



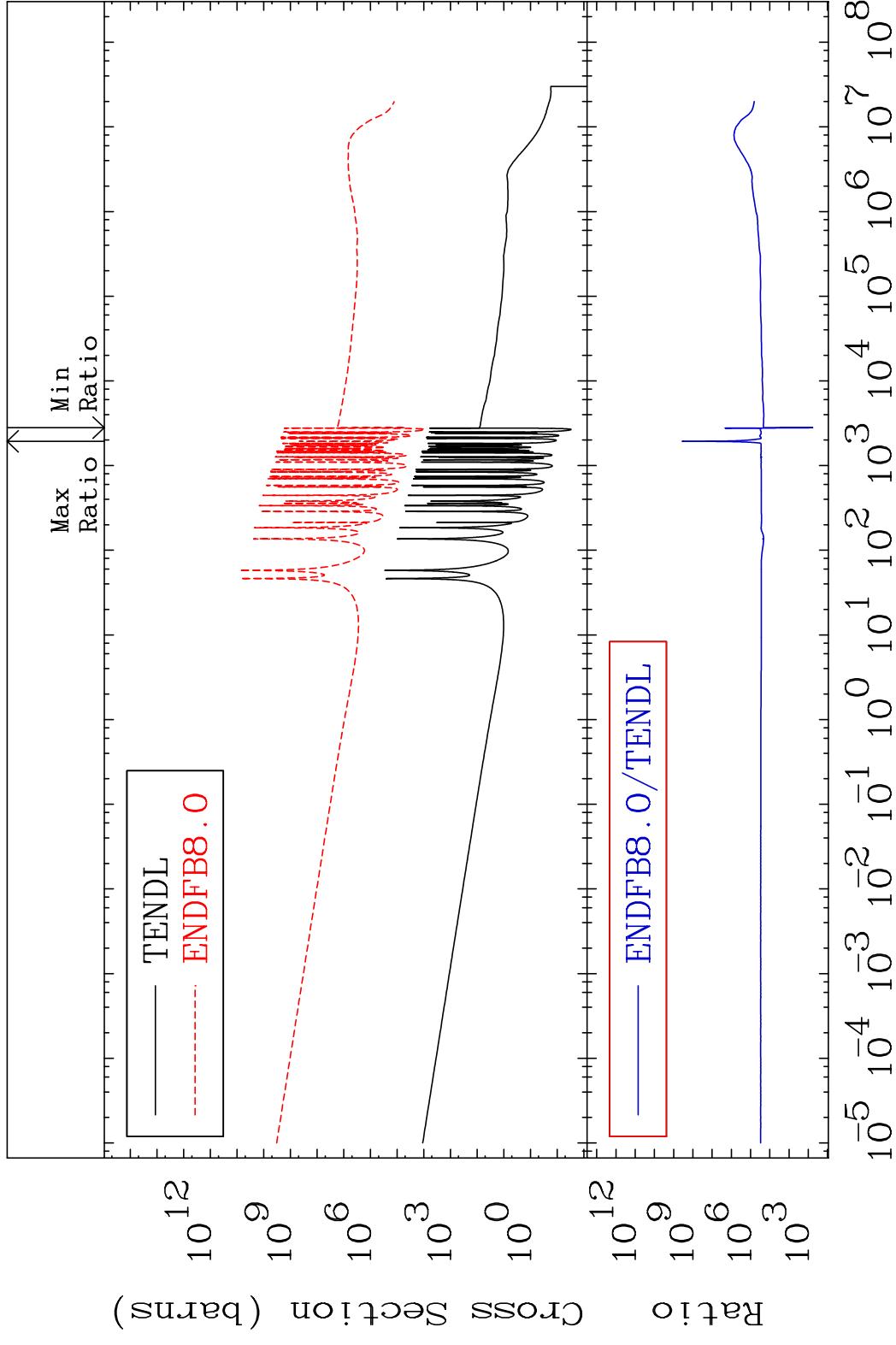
MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 Cross Section 1360. To 9999. %



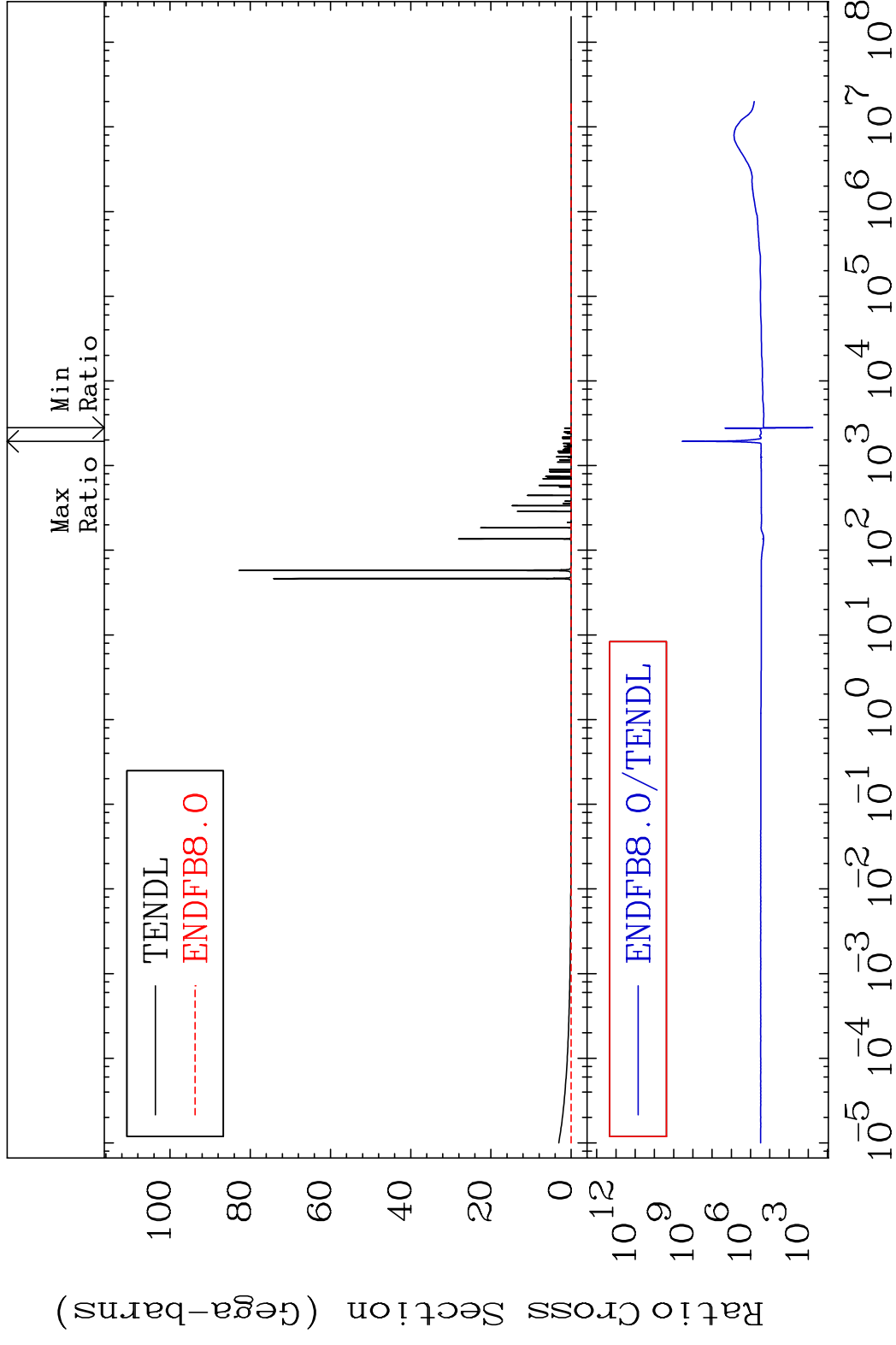
MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
 Cross Section 1360. To 9999. %



MAT 5625 Kerma capture (mt102) 56-Ba-130
 Cross Section 9999. To 9999. %

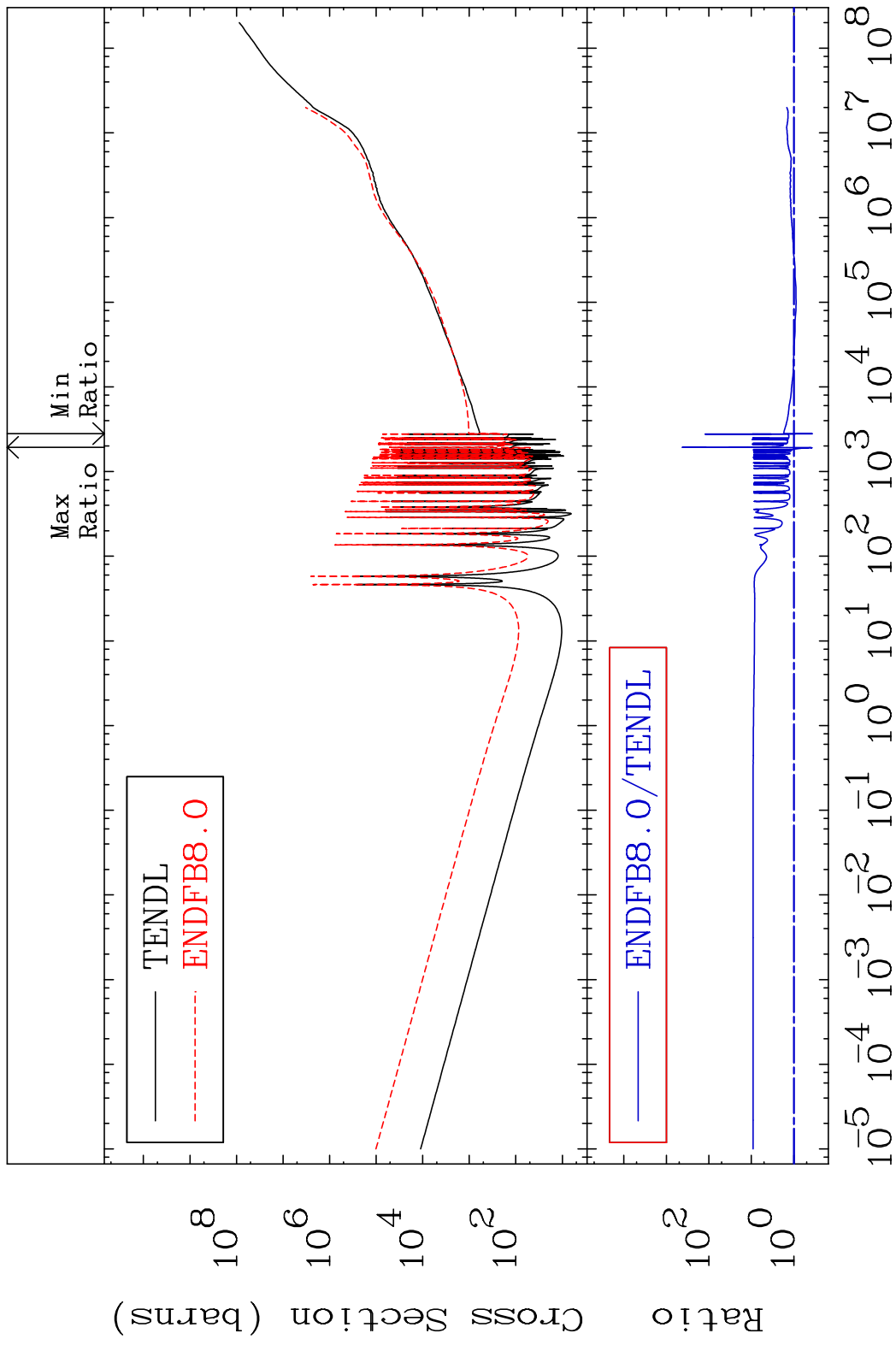


MAT 5625 Total photon (eV-barns) 56-Ba-130
 Cross Section 9999. To 9999. %



35 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -63.72 To 9999. %

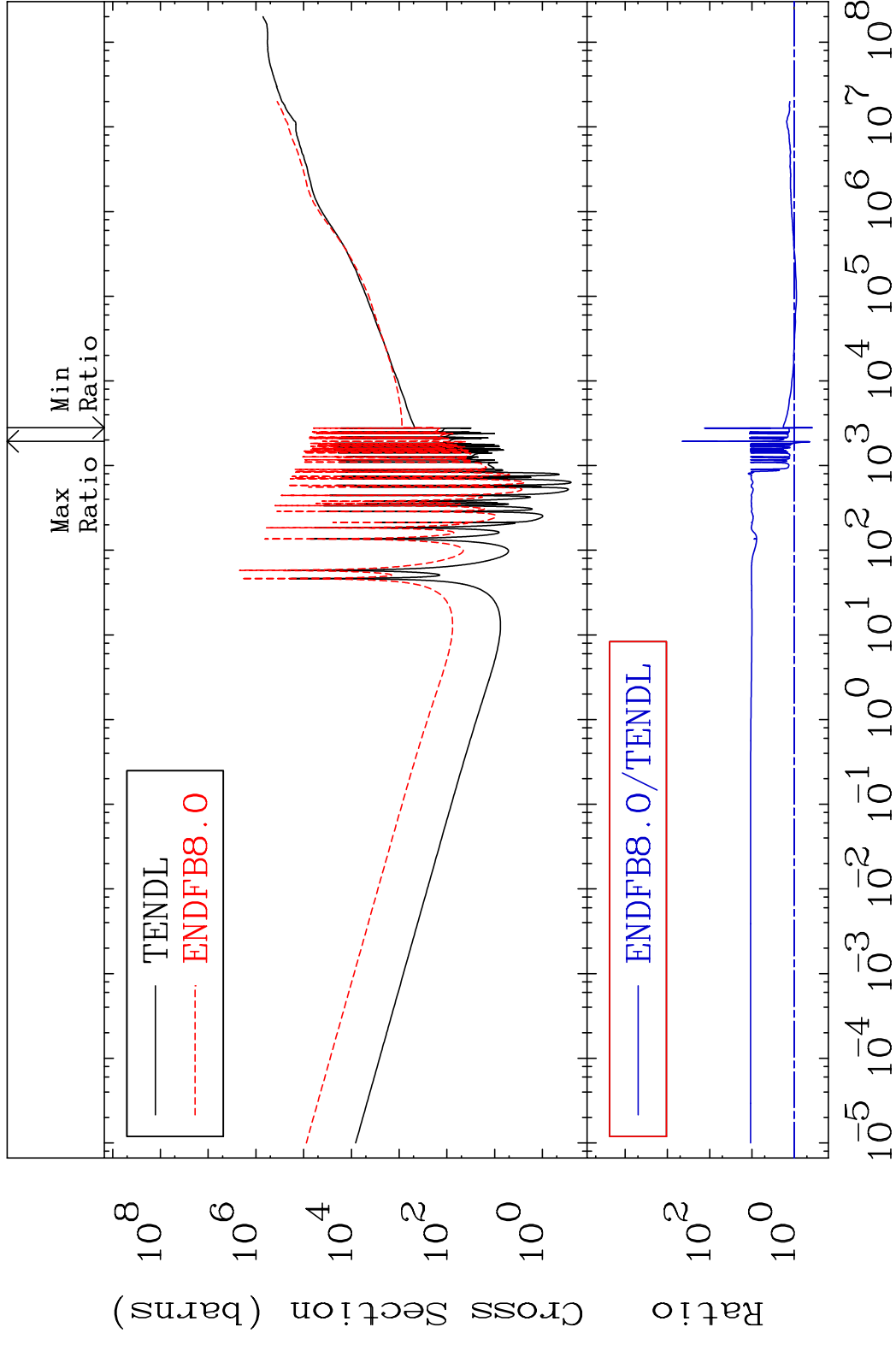


MAT 5625

Dpa total (eV-barns)

56-Ba-130

Cross Section -63.25 To 9999. %

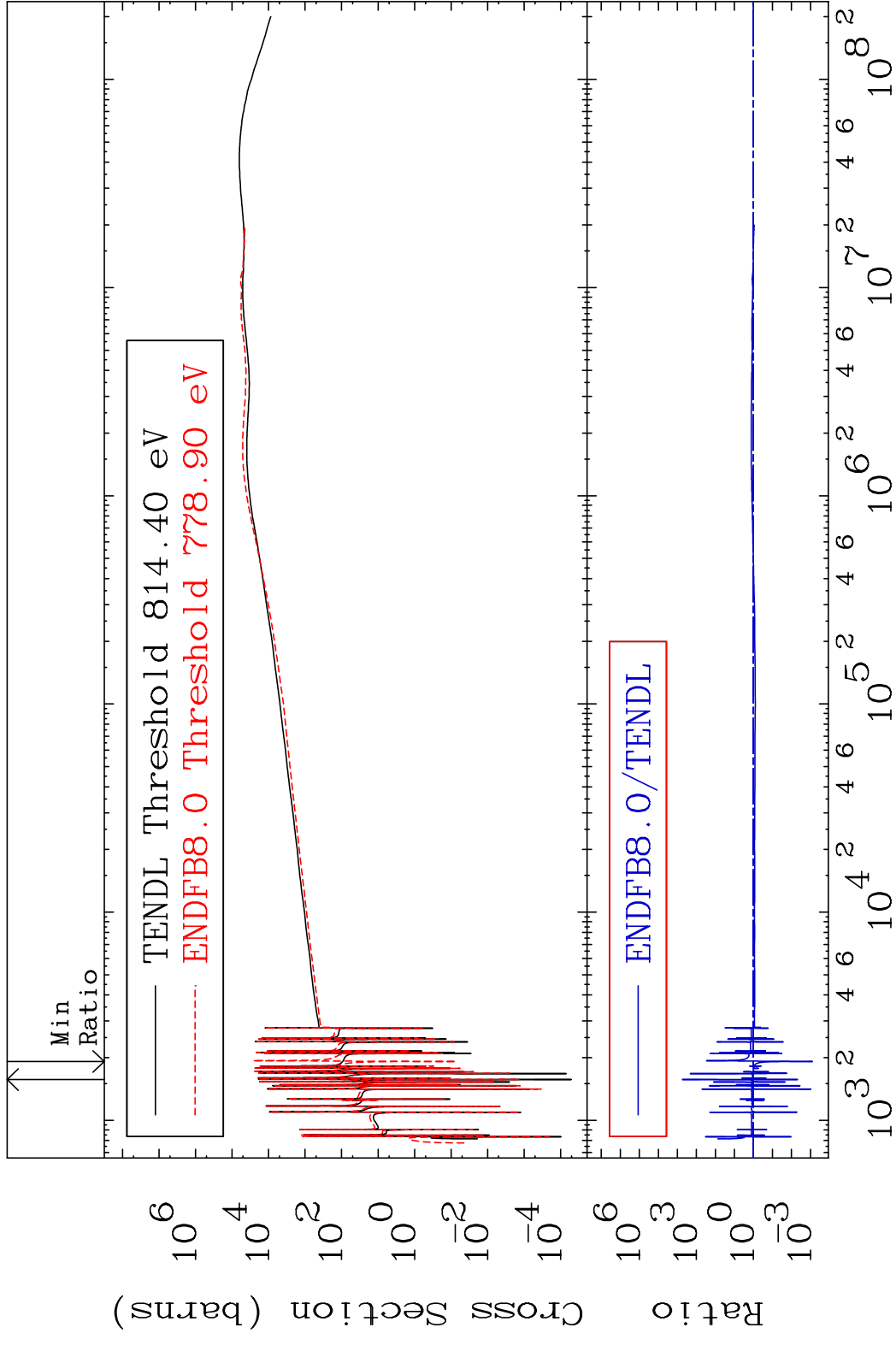


37

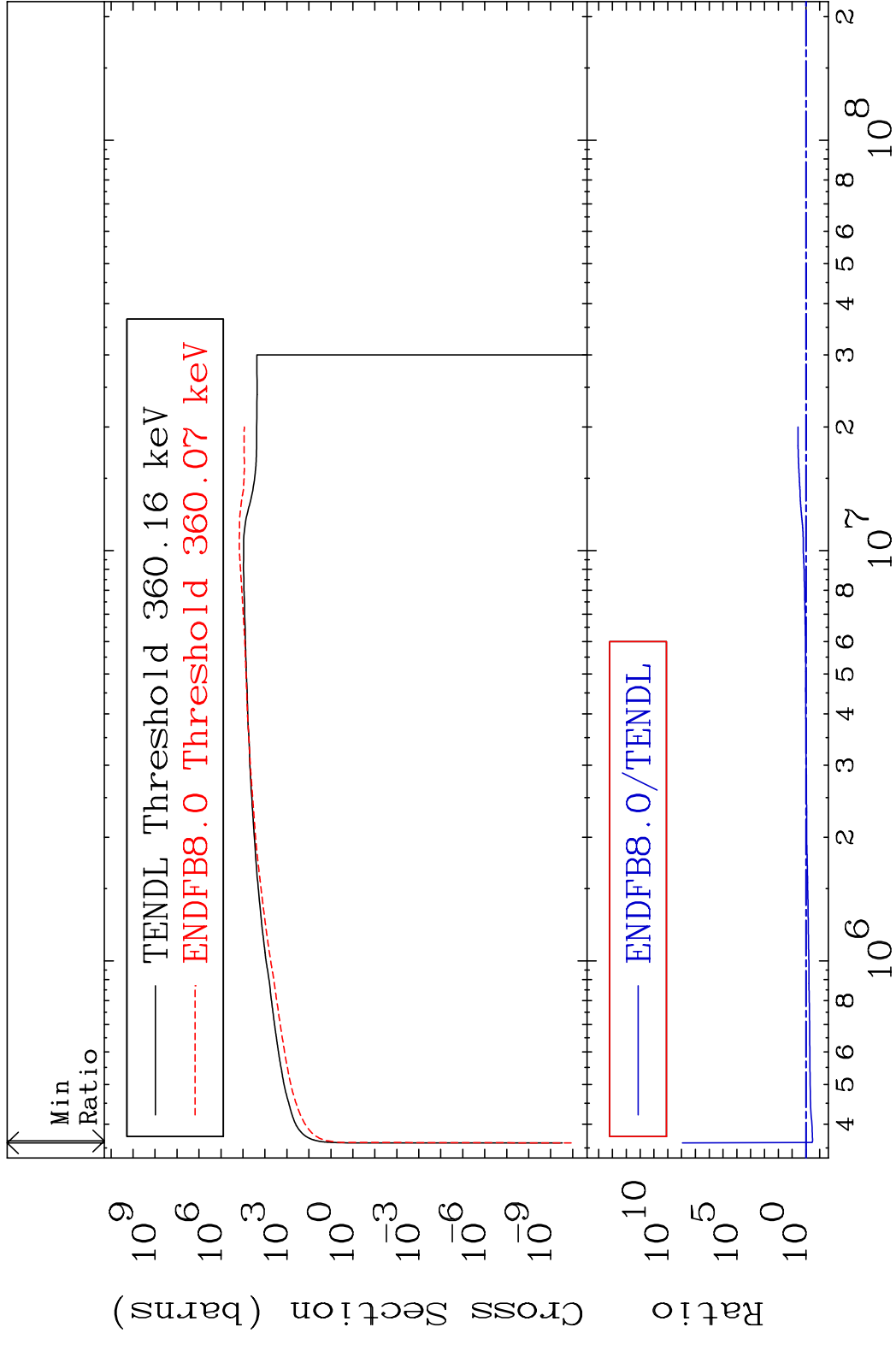
Incident Energy (eV)

56-Ba-130

MAT 5625 Dpa elastic (mt2) 56-Ba-130
 Cross Section -99.92 To 9999. %



MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -66.74 To 9999. %



MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
Cross Section -97.61 To 9999. %

