

Program Complot
(Version 2018-1)

by

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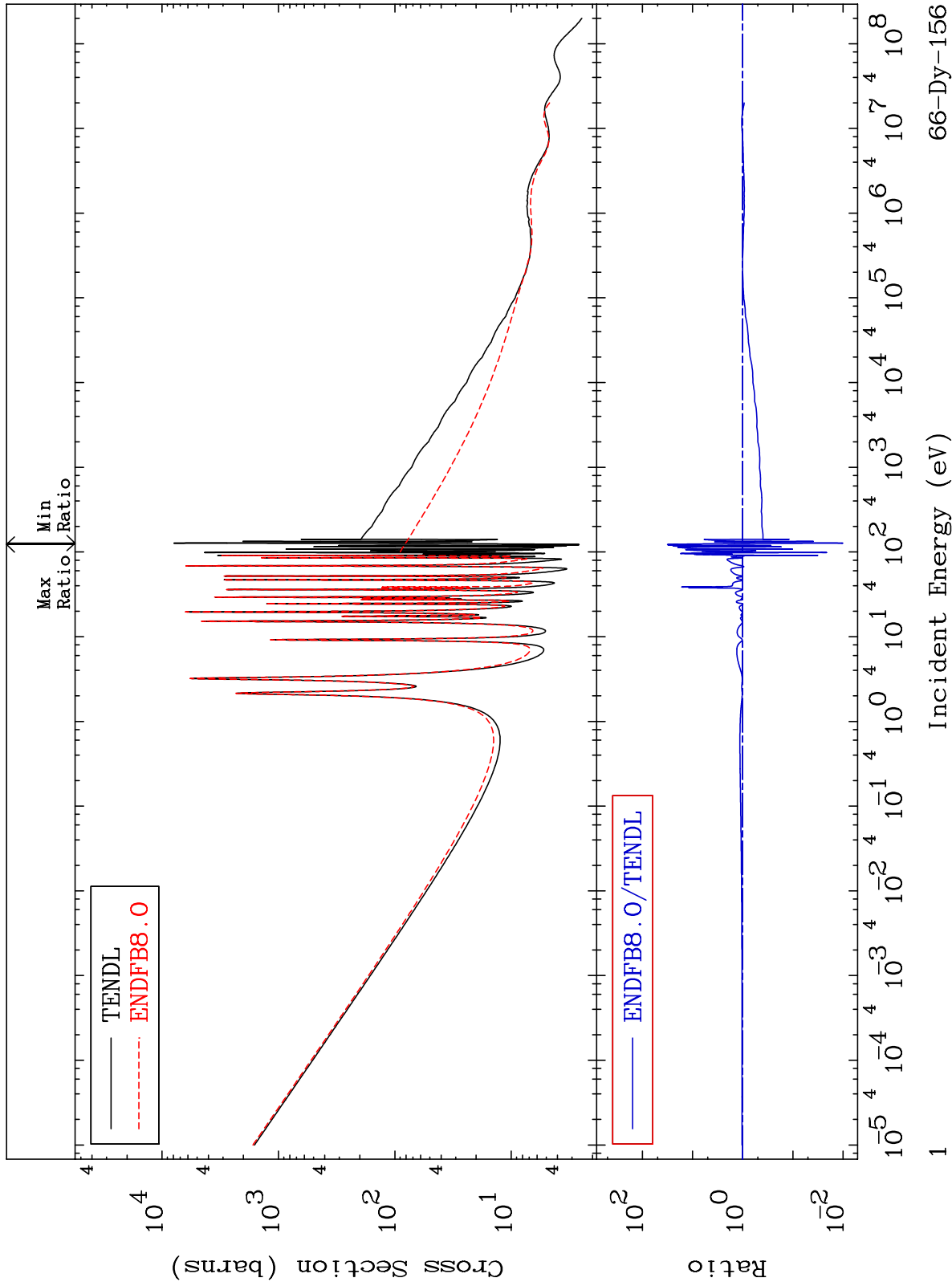
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6625

Total
Cross Section

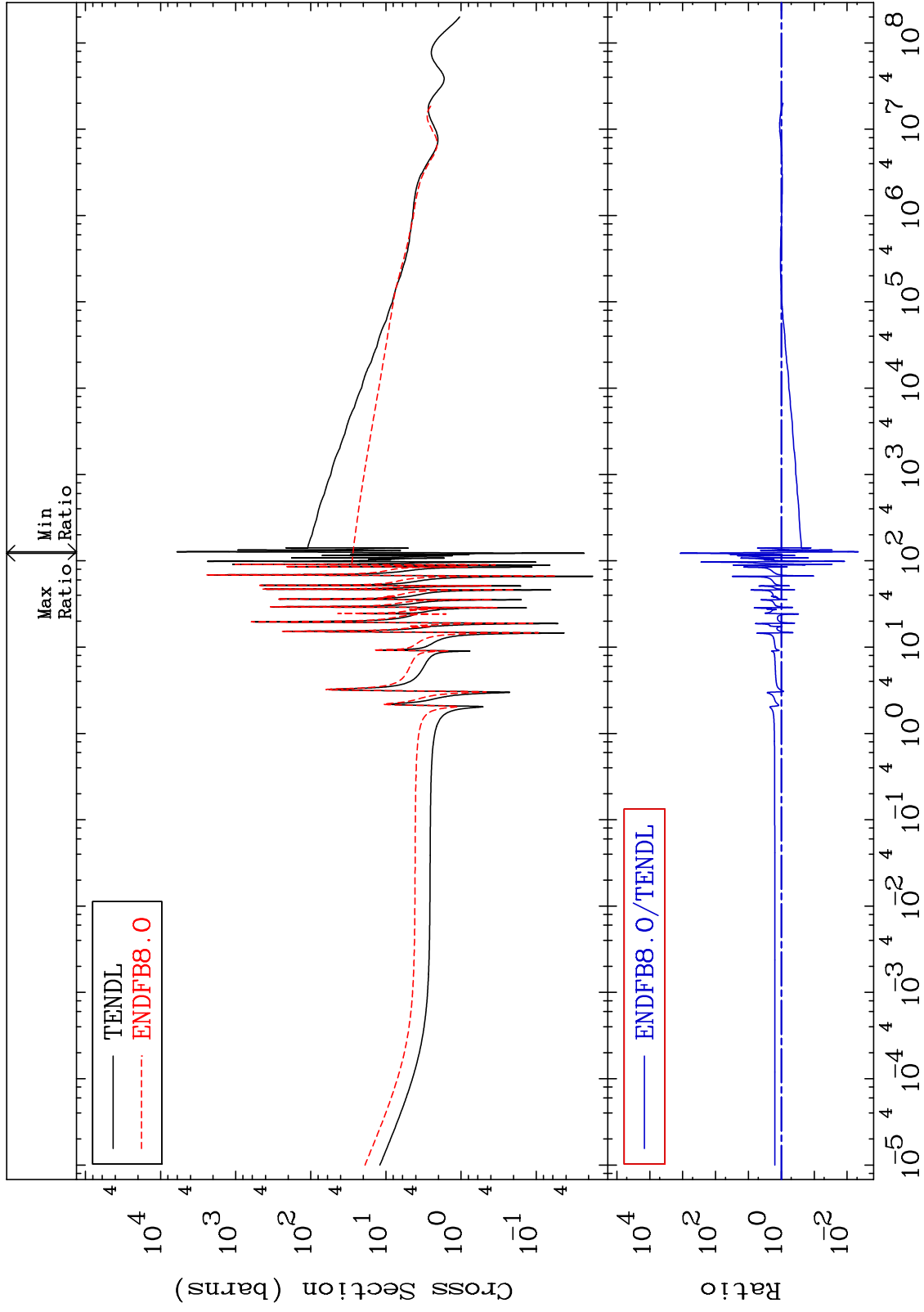
66-Dy-156
-98.98 To 3060. %



MAT 6625

Elastic
Cross Section

66-Dy-156
-99.55 To 9999. %



2

Incident Energy (eV)

66-Dy-156

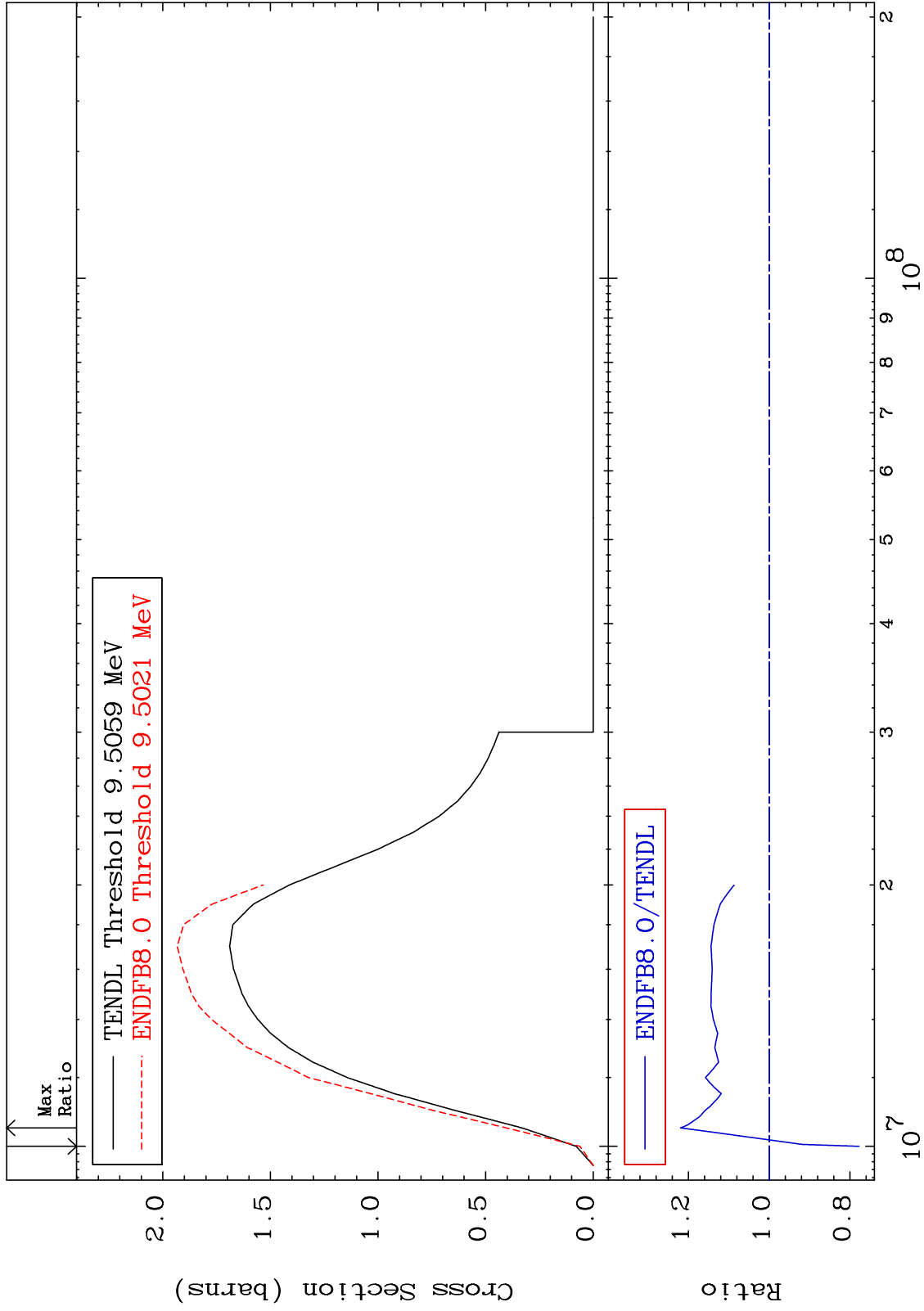
MAT 6625

(n,2n)

66-Dy-156

Cross Section

-22.29 To 21.93 %



66-Dy-156

66-Dy-156

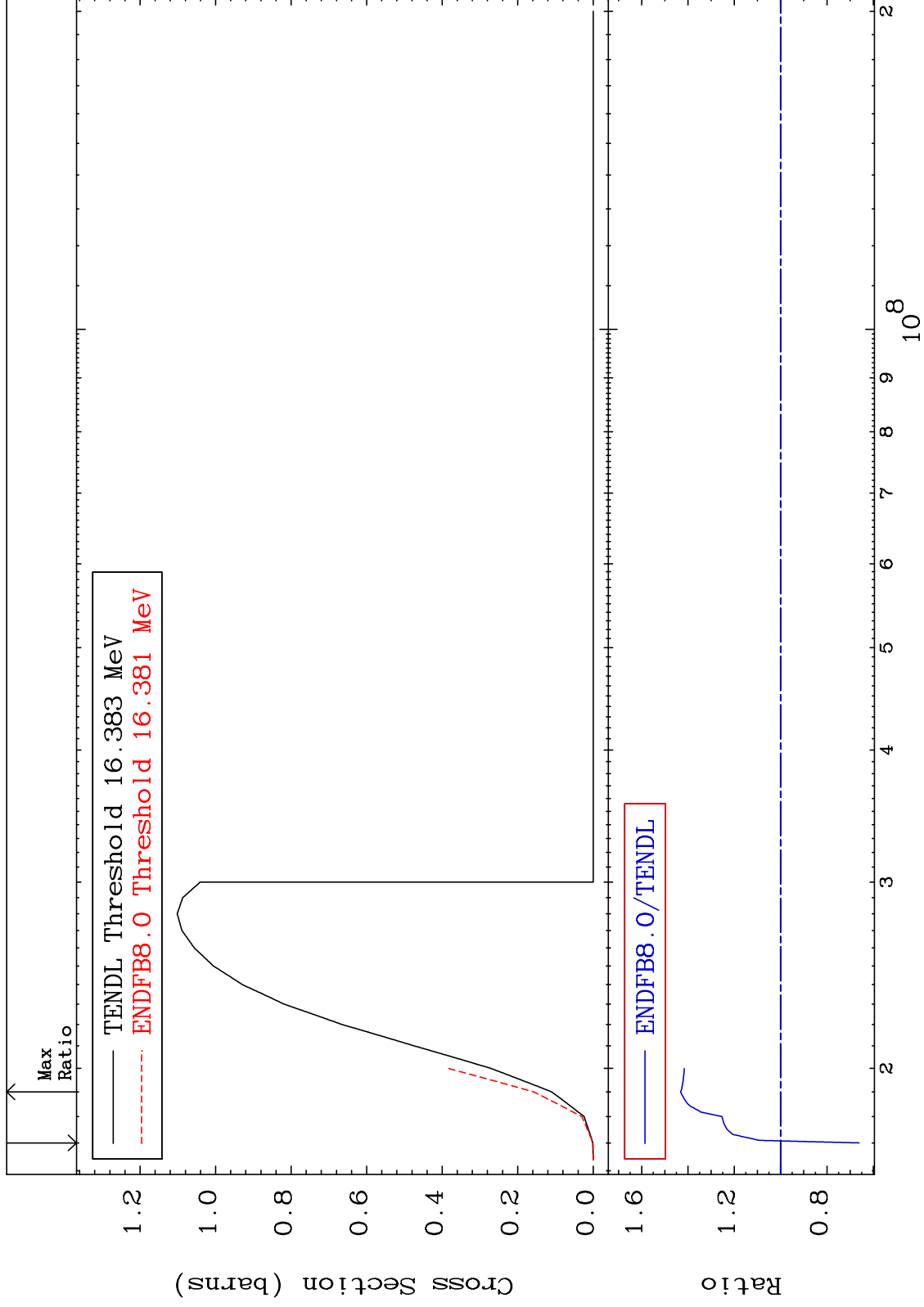
MAT 6625

(n, 3n)

66-Dy-156

Cross Section

-33.93 To 43.21 %



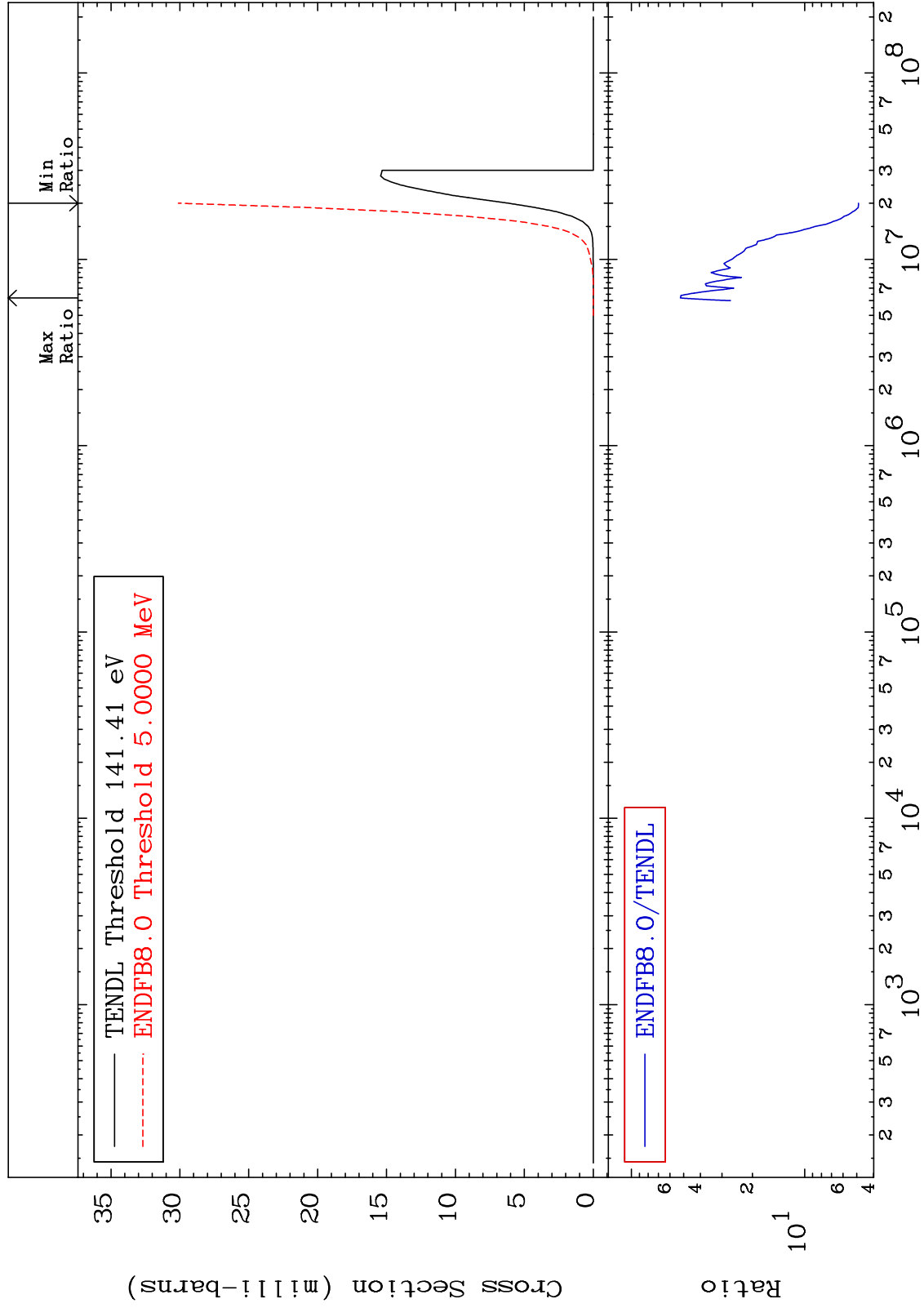
MAT 6625

(n, n') α

Cross Section

66-Dy-156

388.7 To 5114. %



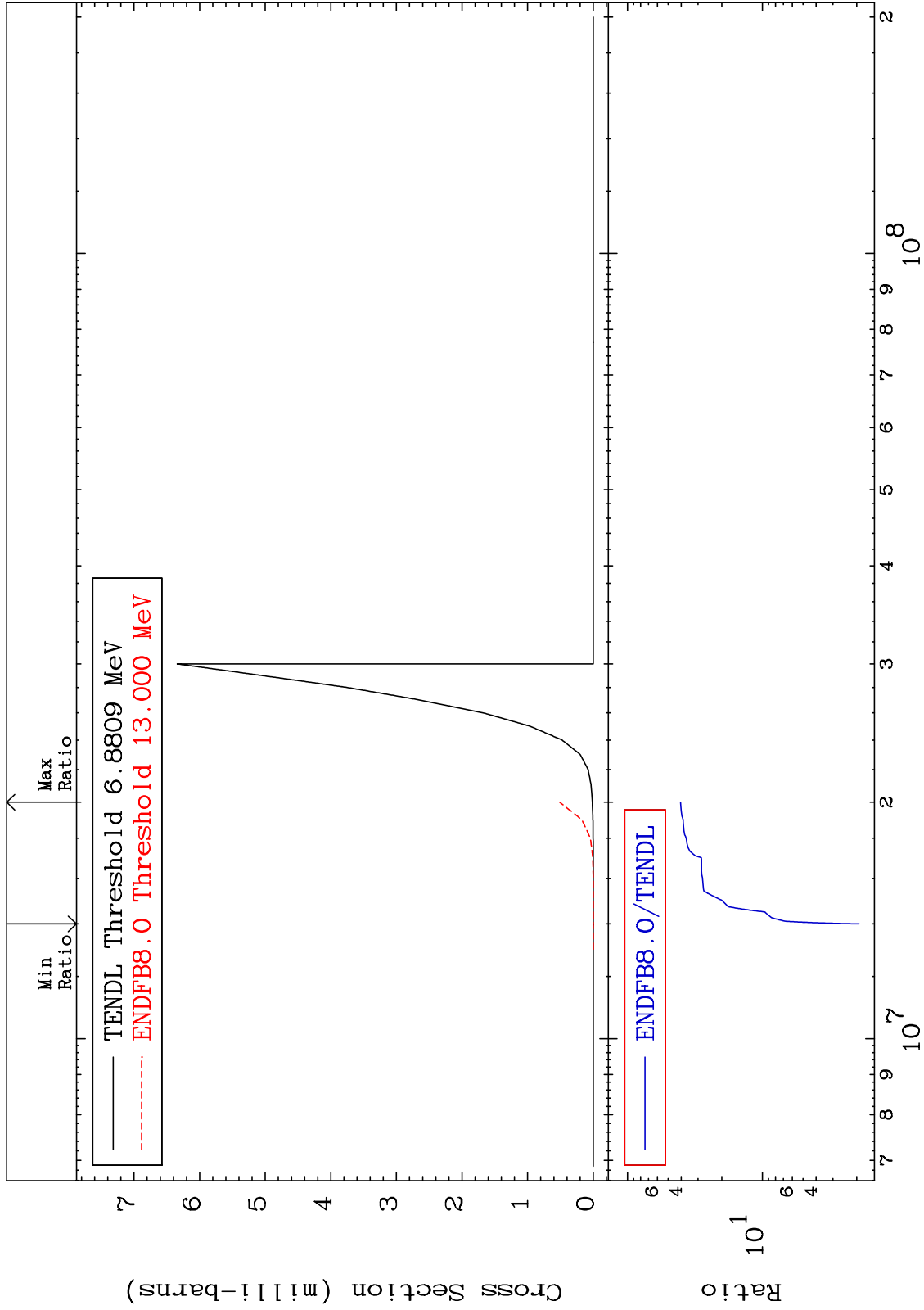
MAT 6625

(n,2n) α

66-Dy-156

Cross Section

91.70 To 3937. %



7

Incident Energy (eV)

66-Dy-156

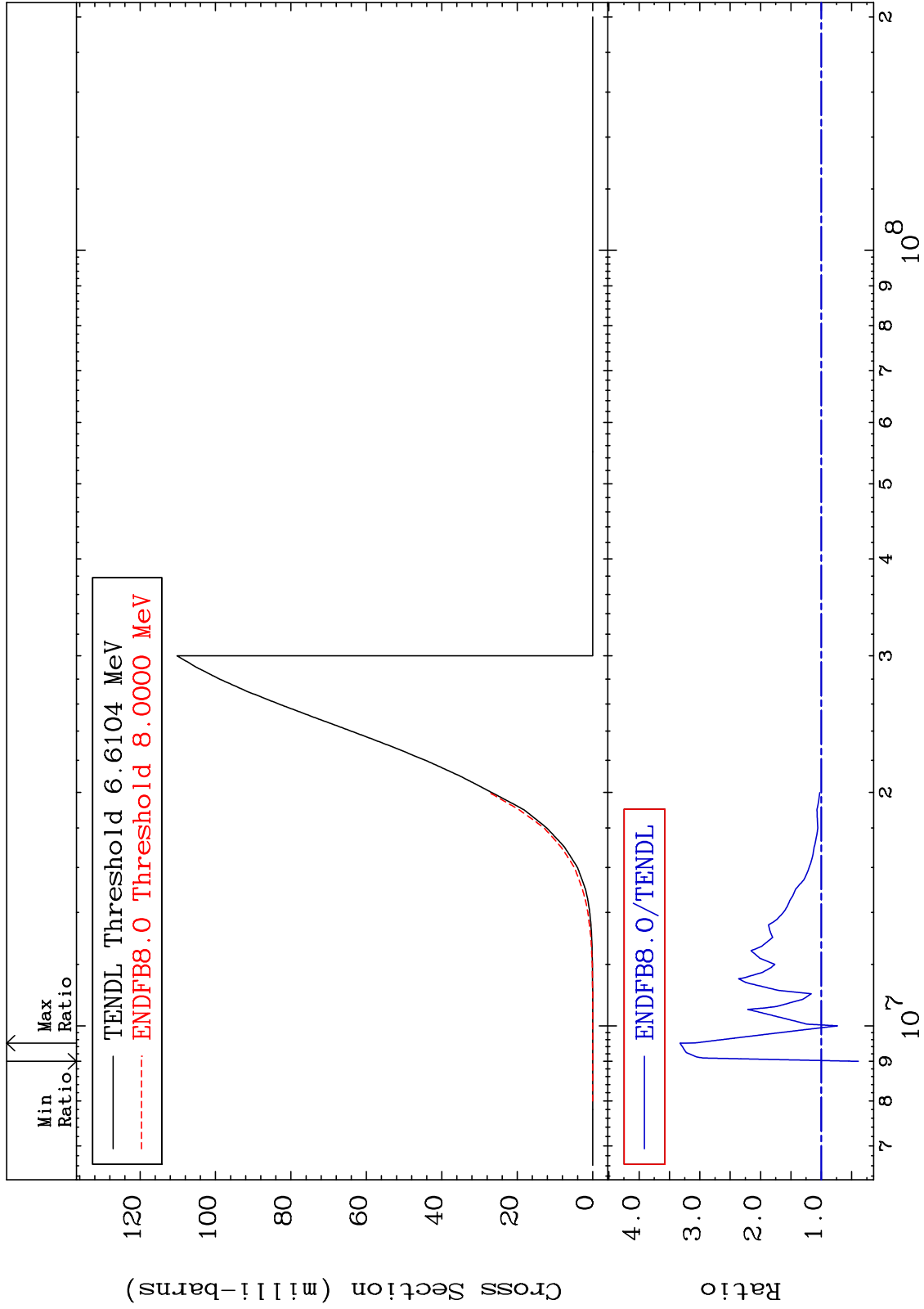
MAT 6625

(n,n') p

66-Dy-156

Cross Section

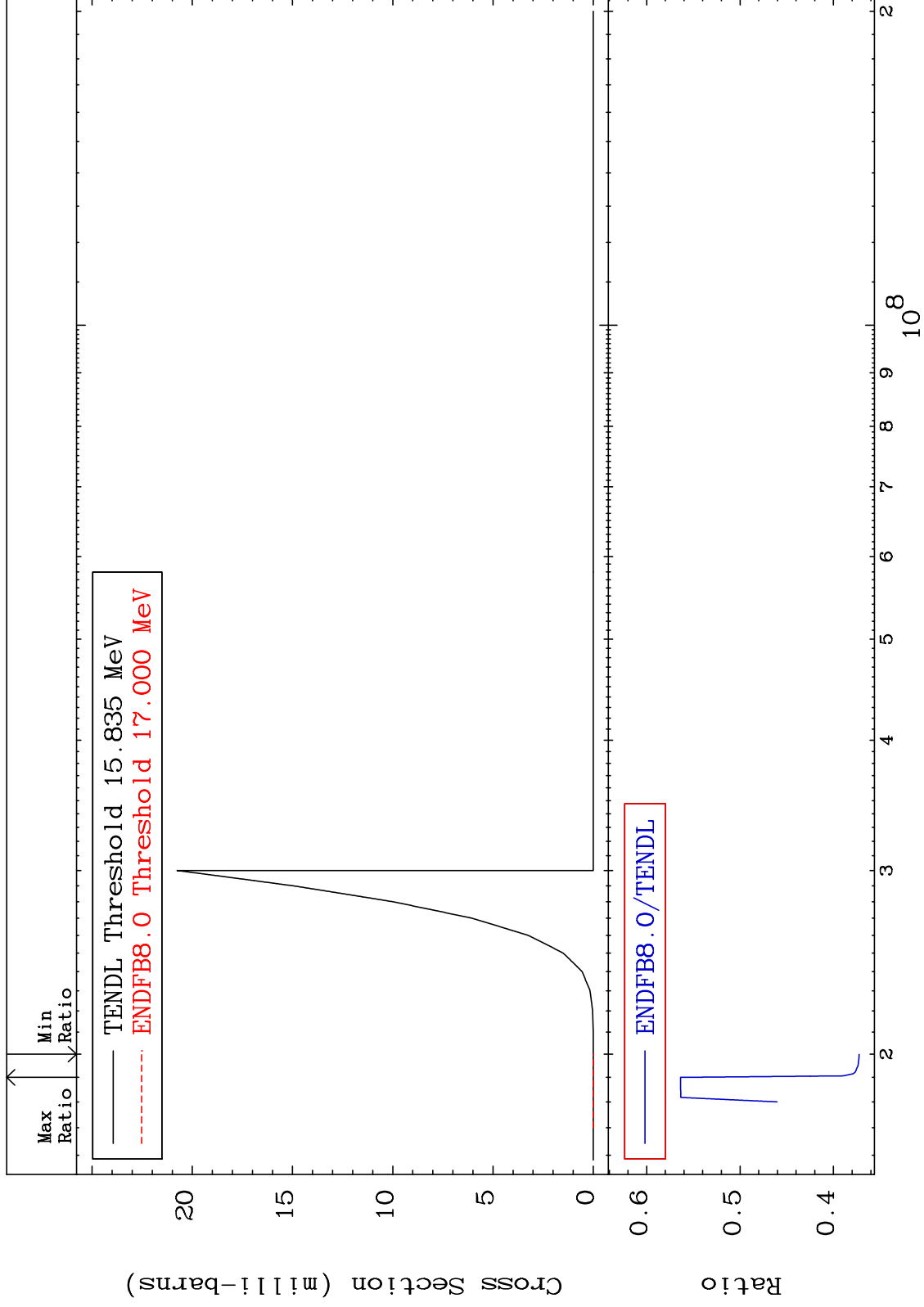
-61.18 To 232.7 %



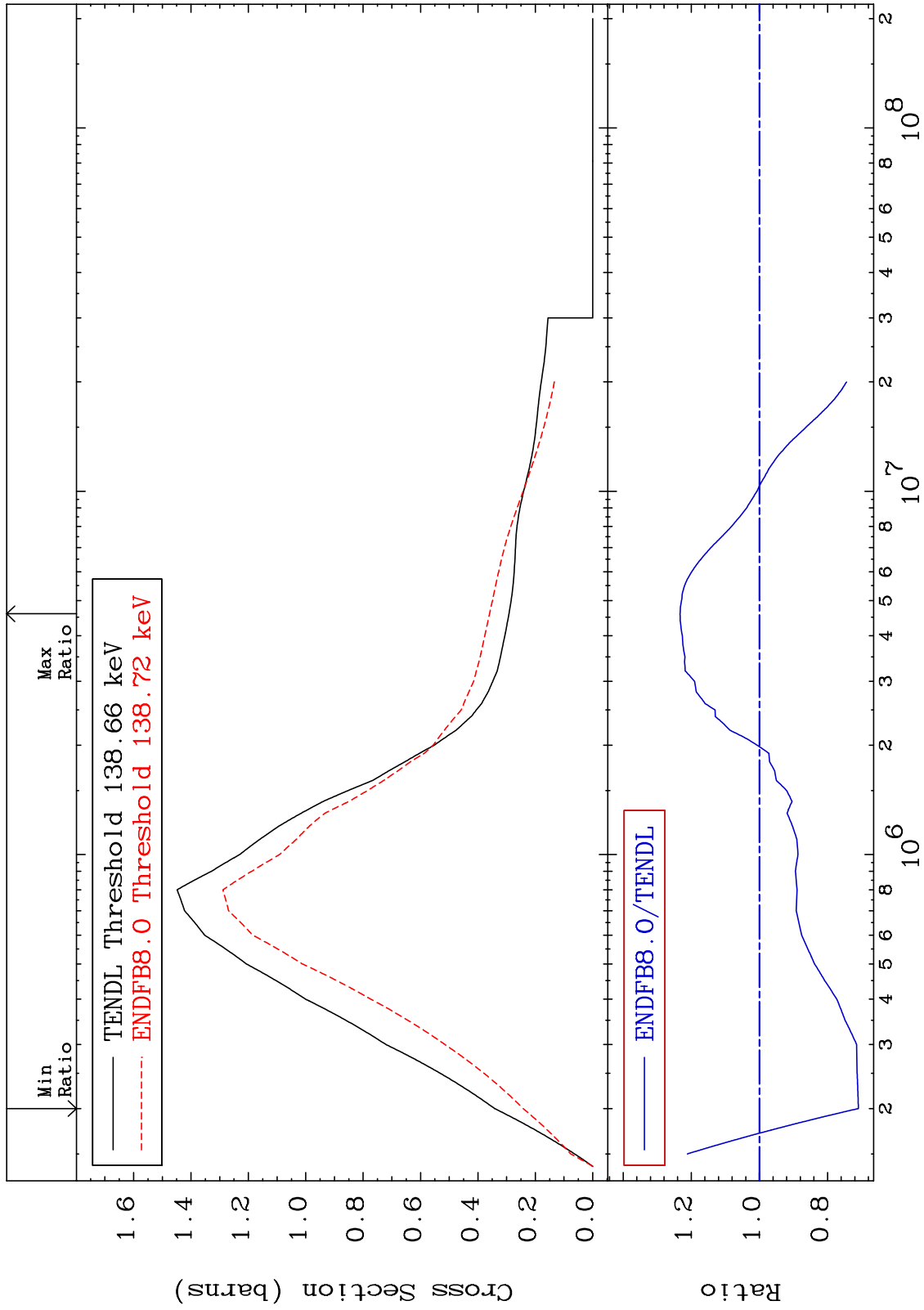
MAT 6625

(n,2n) p
Cross Section

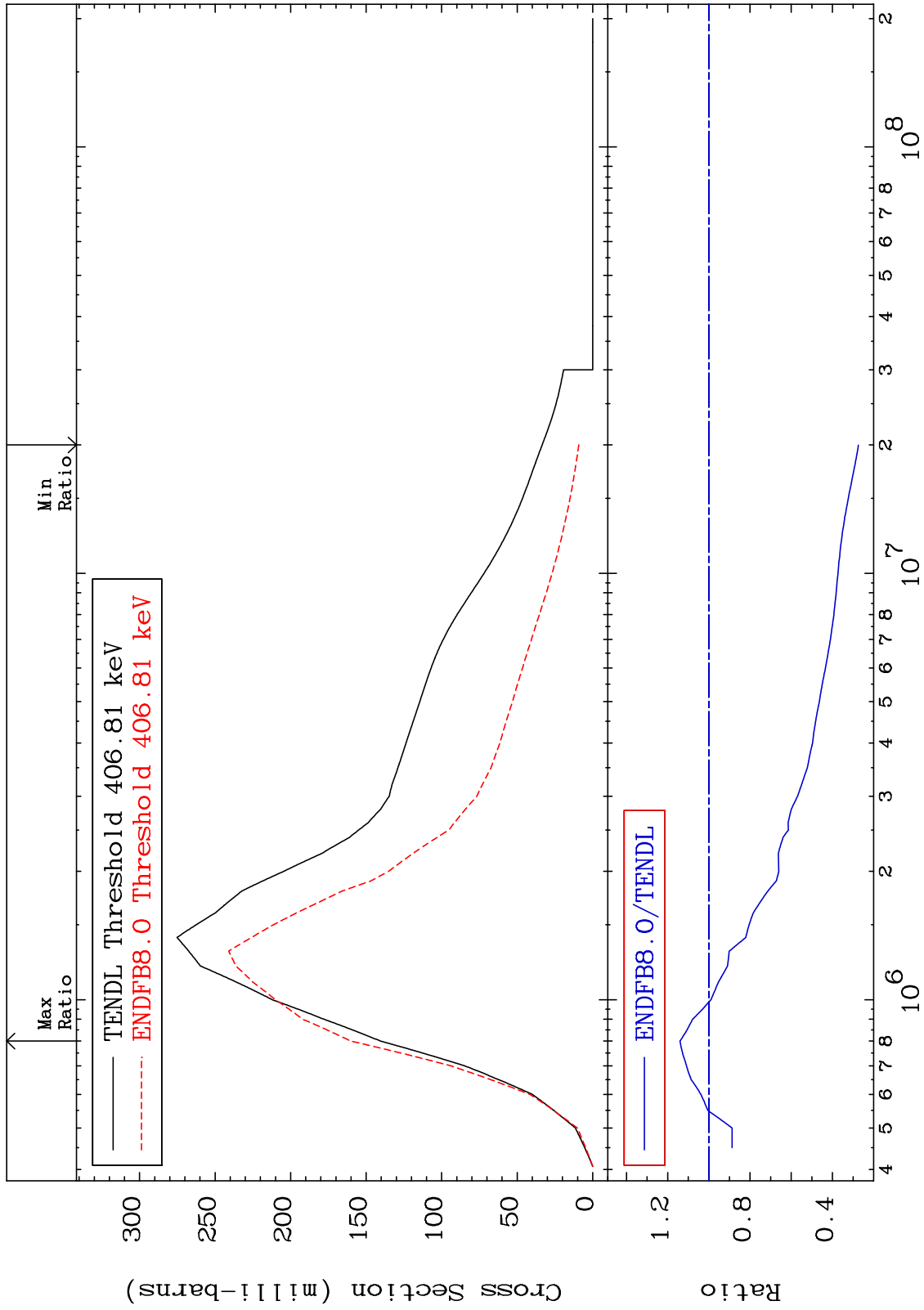
66-Dy-156
-62.75 To -43.64%



MAT 6625 MT= 51 (n,n') Level Cross Section 66-Dy-156 -29.05 To 23.31 %



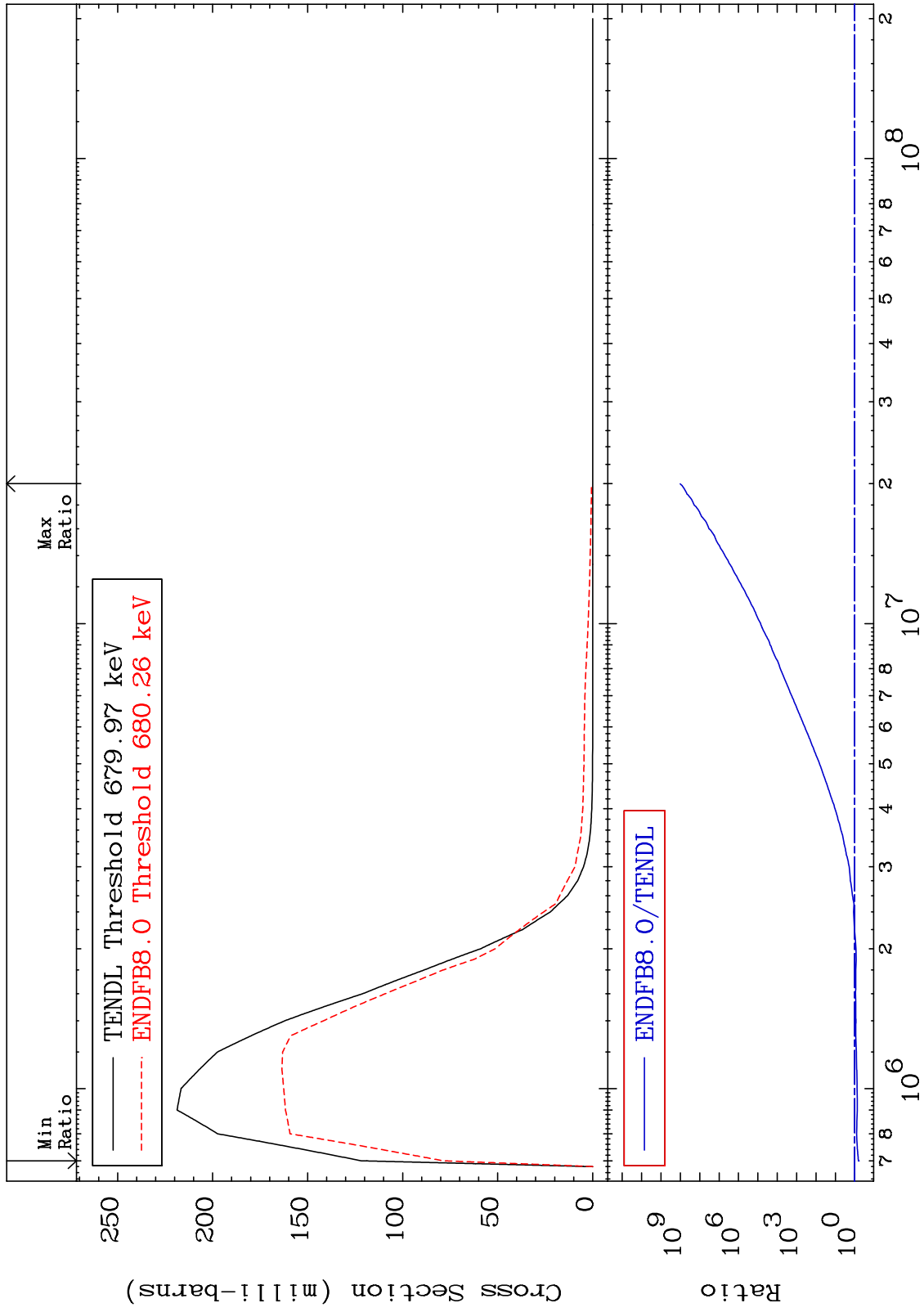
MAT 6625 MT= 52 (n,n') Level Cross Section 66-Dy-156 -72.60 To 14.00 %



MAT 6625

MT= 53 (n,n') Level
Cross Section

66-Dy-156
-35.35 To 9999. %



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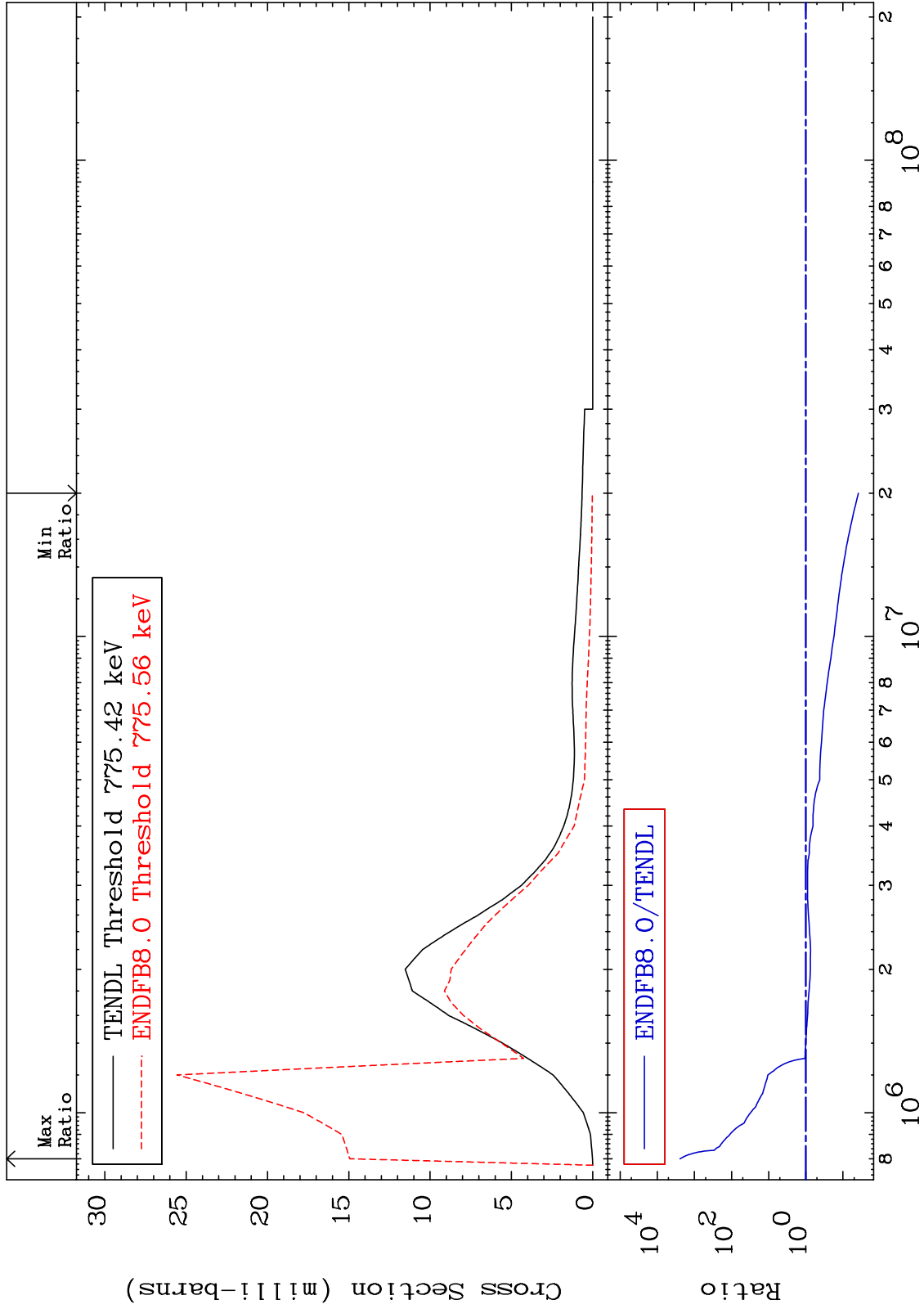
Incident Energy (eV)

66-Dy-156

MAT 6625

MT= 54 (n,n') Level
Cross Section

66-Dy-156
-96.16 To 9999. %



13

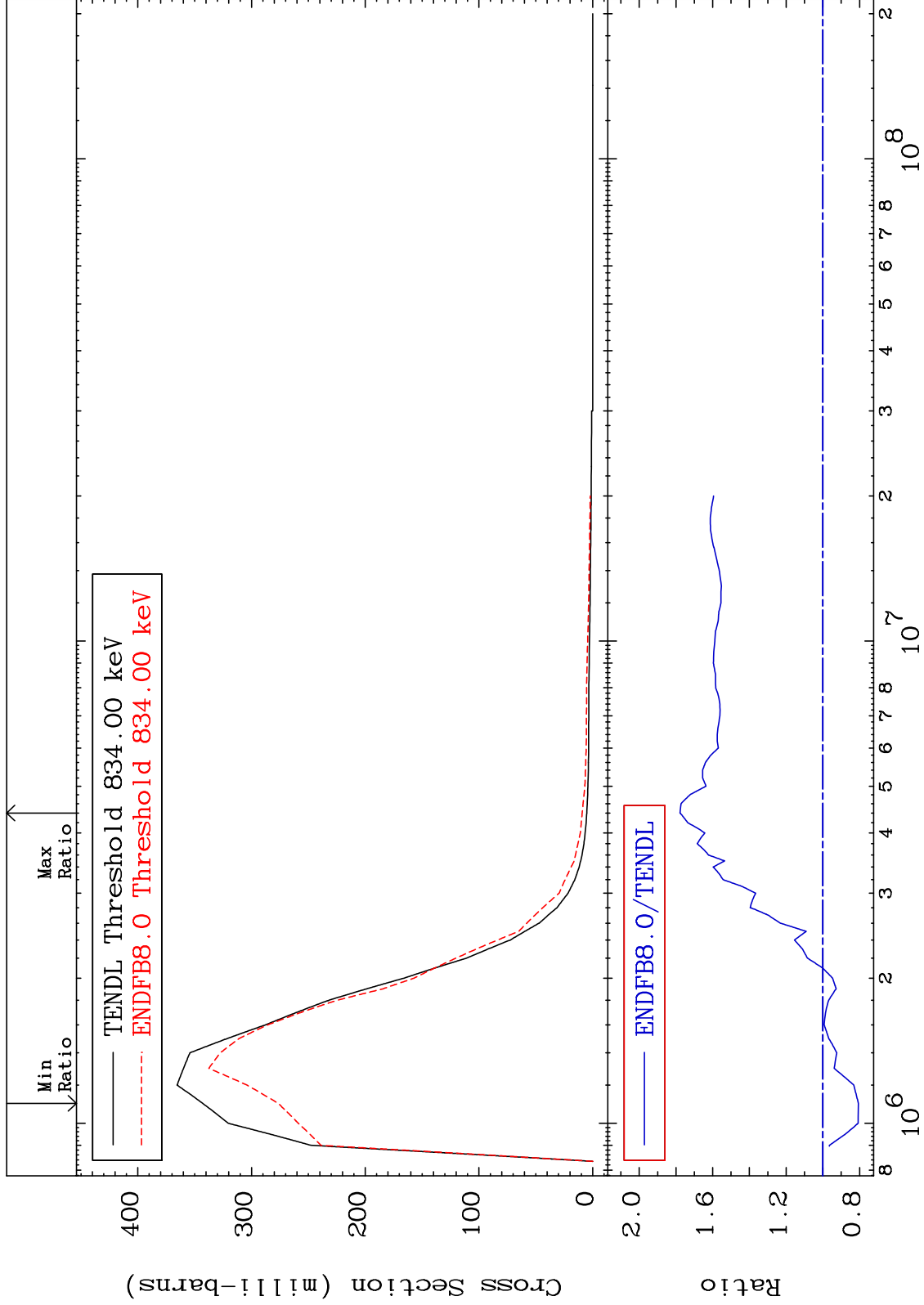
Incident Energy (eV)

66-Dy-156

MAT 6625

MT= 55 (n,n') Level
Cross Section

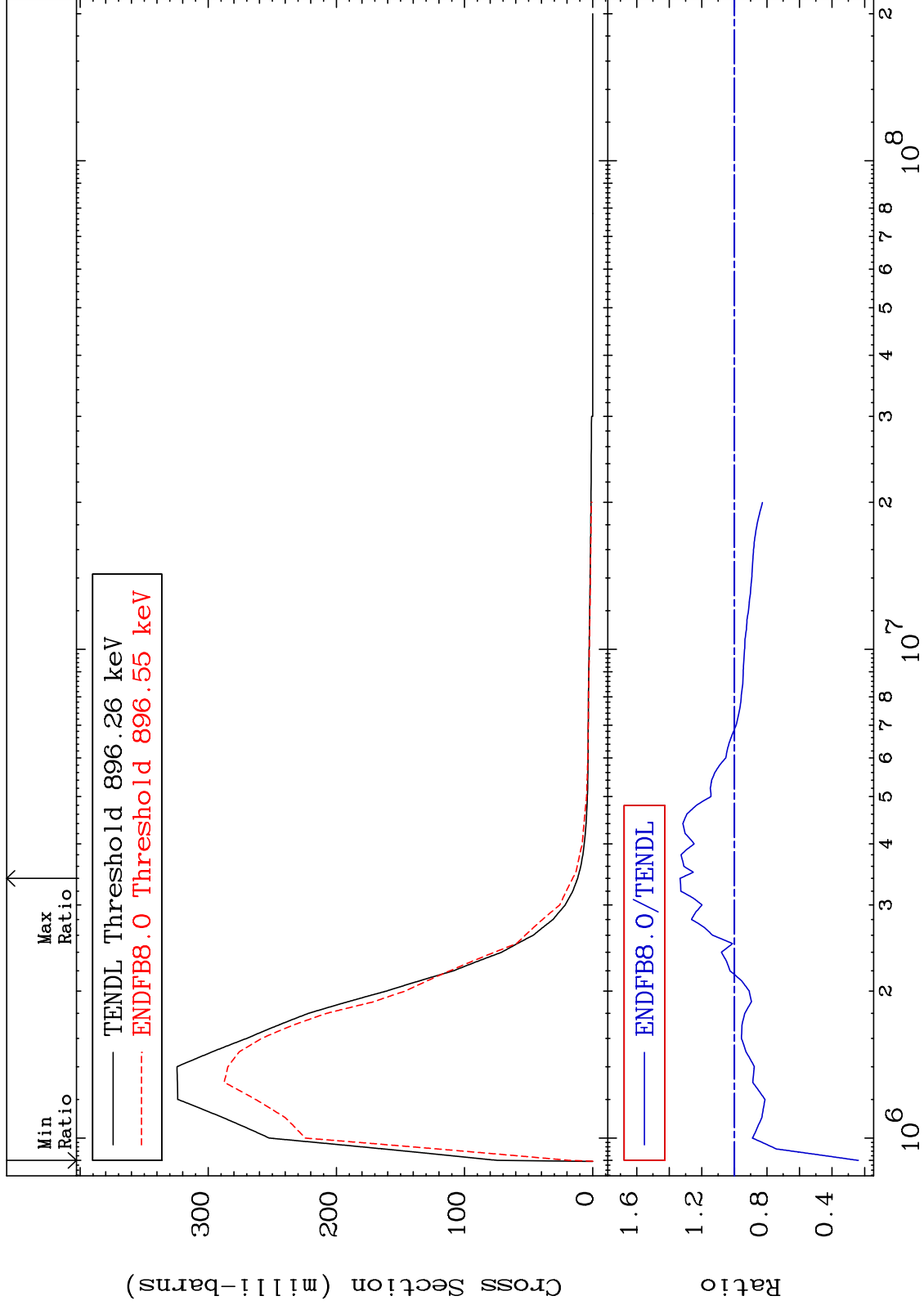
66-Dy-156
-19.36 To 77.79 %



MAT 6625

MT= 56 (n,n') Level
Cross Section

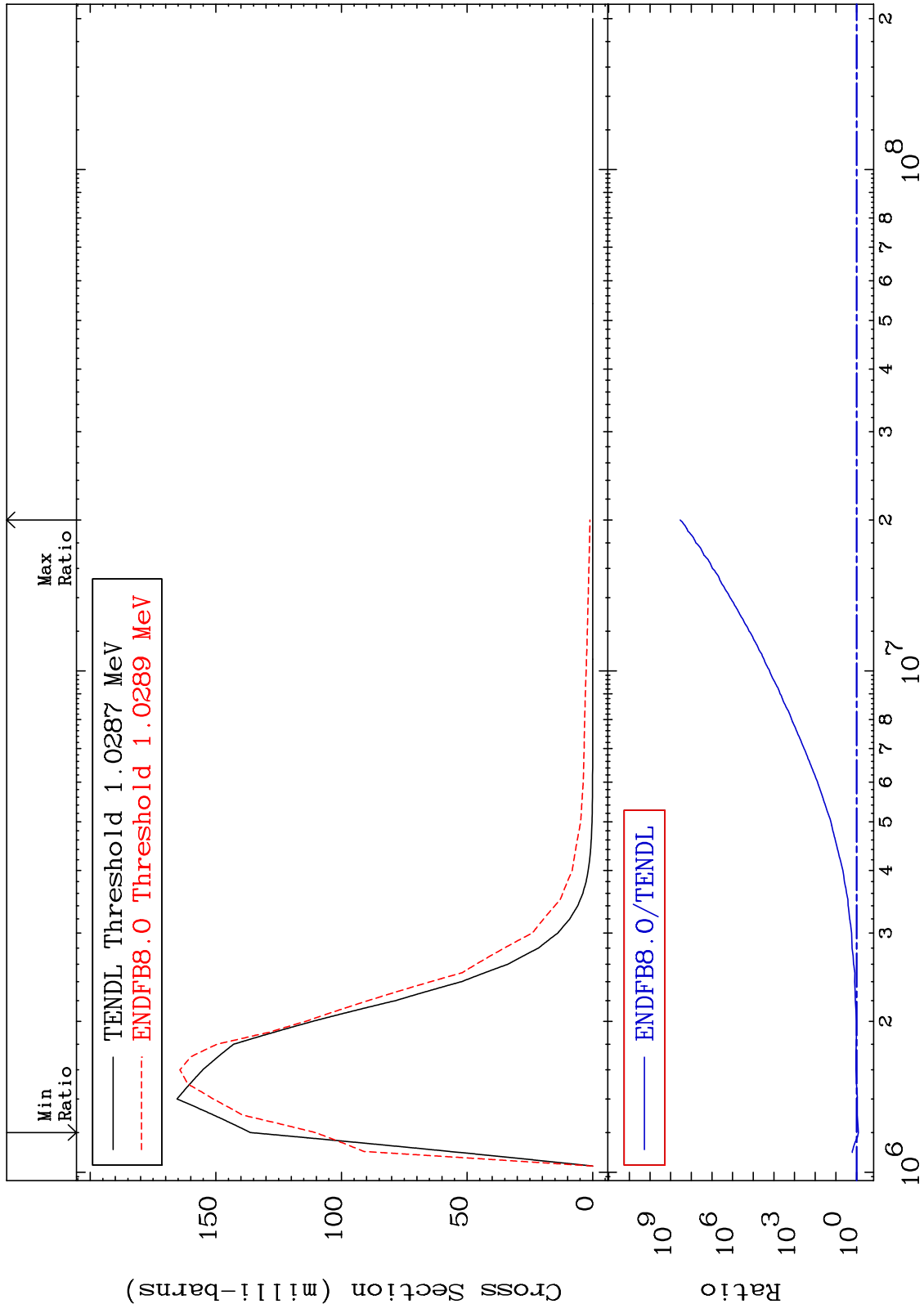
66-Dy-156
-76.20 To 33.39 %



Incident Energy (eV)

66-Dy-156

MAT 6625 MT= 57 (n,n') Level 66-Dy-156
 Cross Section -18.98 To 9999. %

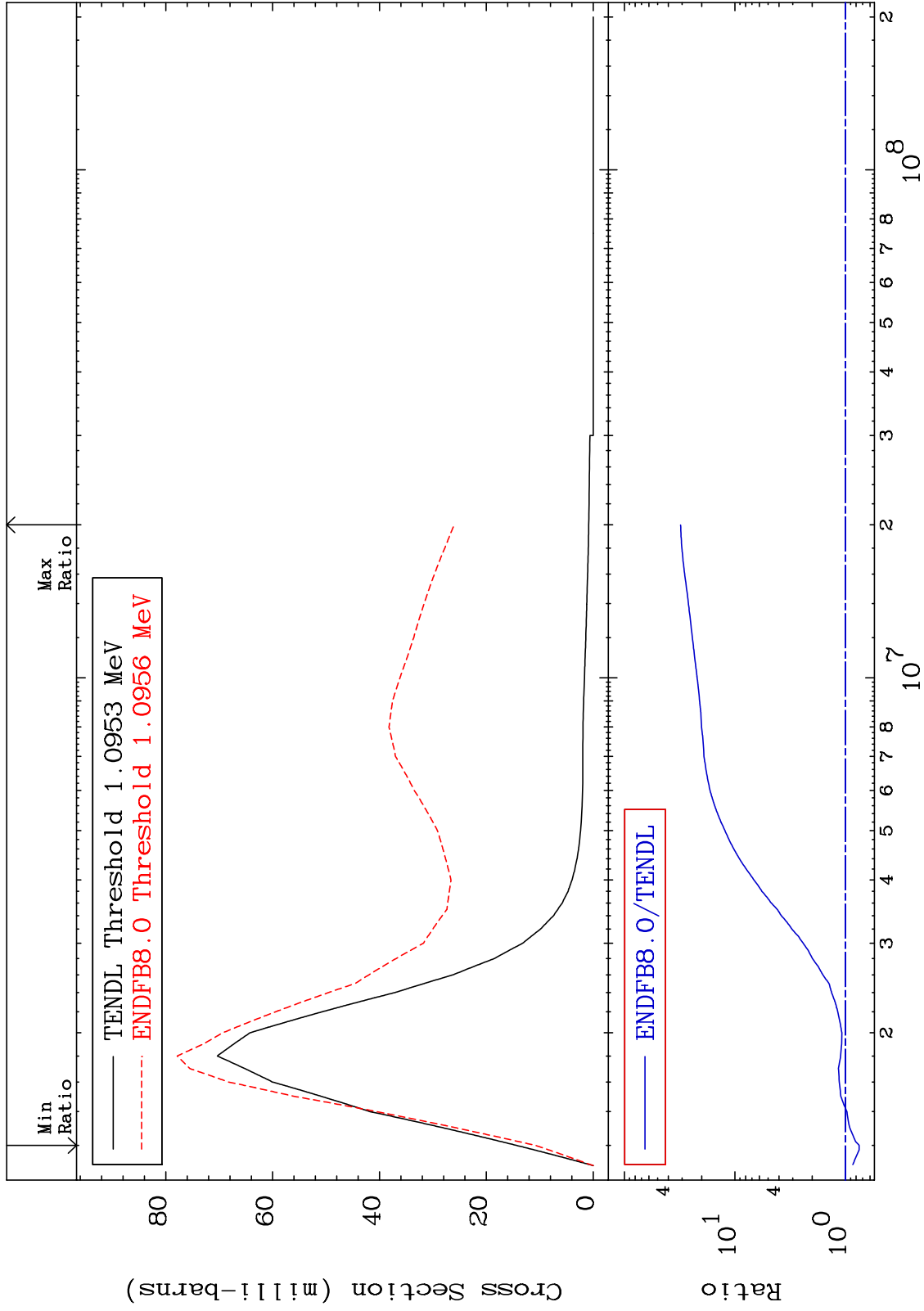


16 66-Dy-156

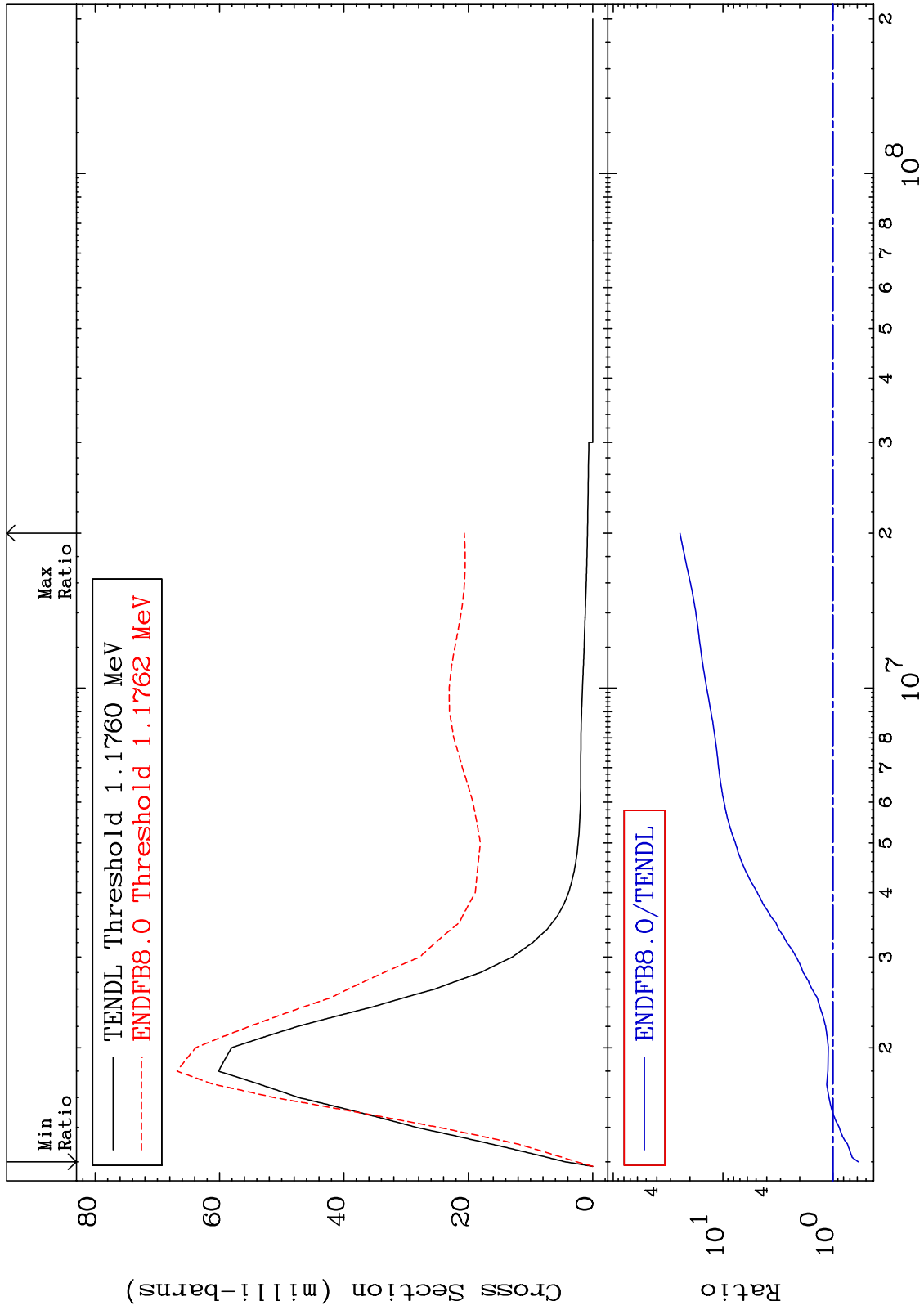
MAT 6625

MT= 58 (n, n') Level
Cross Section

66-Dy-156
-24.84 To 2998. %



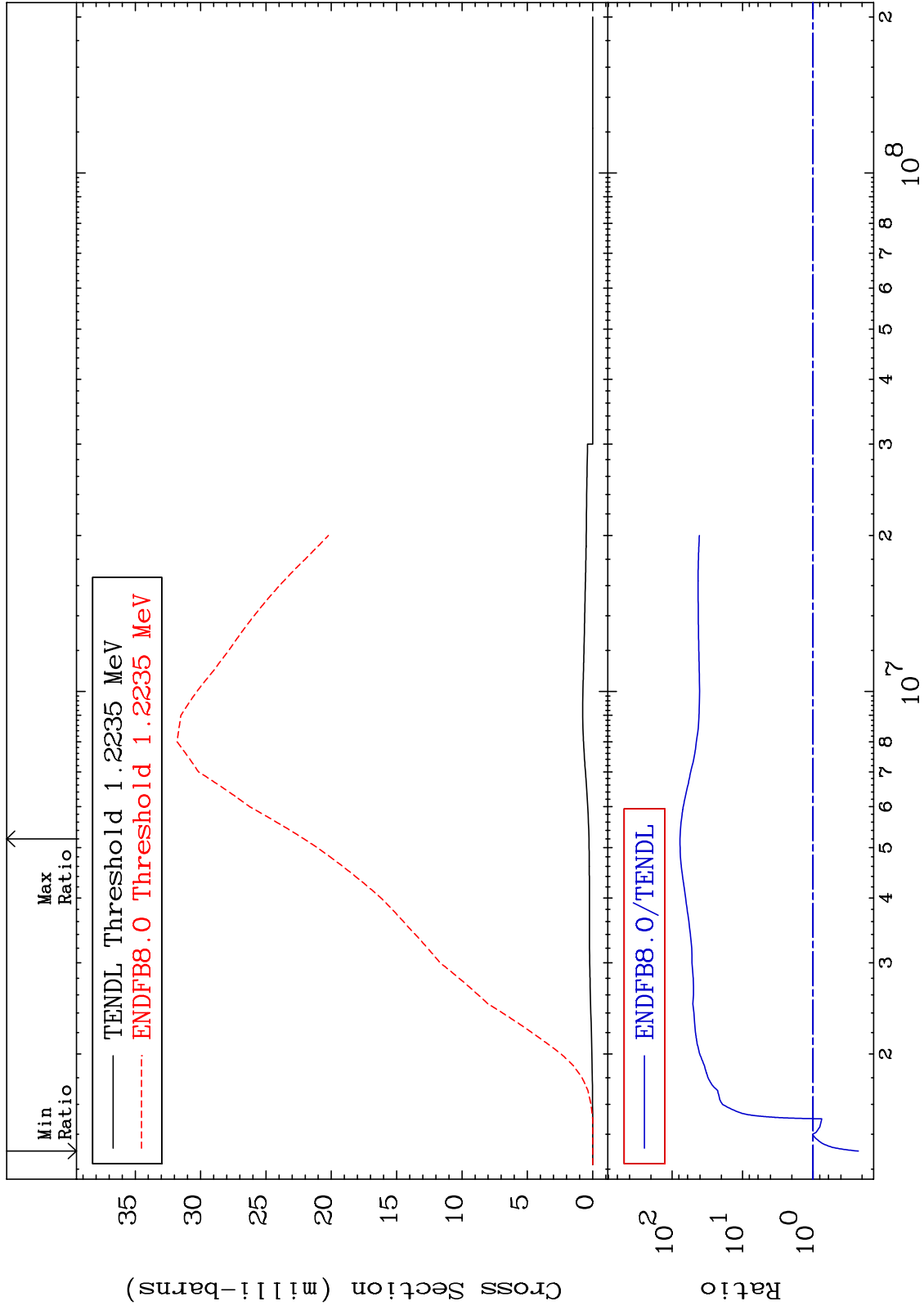
MAT 6625 MT= 59 (n, n') Level 66-Dy-156
 Cross Section -41.48 To 2362. %



MAT 6625

MT= 60 (n,n') Level
Cross Section

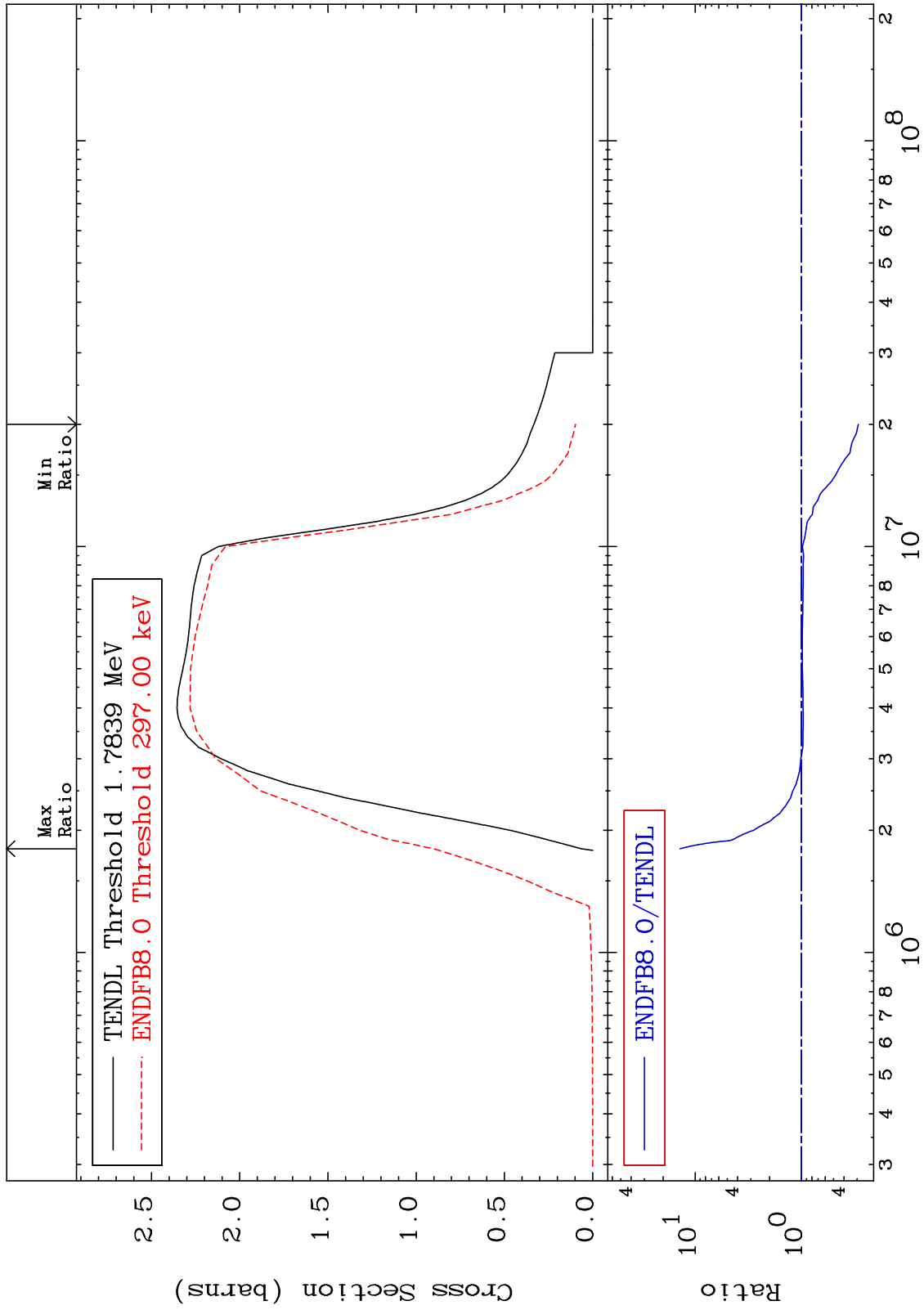
66-Dy-156
-77.38 To 7611. %



MAT 6625

(n, n') Continuum
Cross Section

66-Dy-156
-70.80 To 1288. %



20

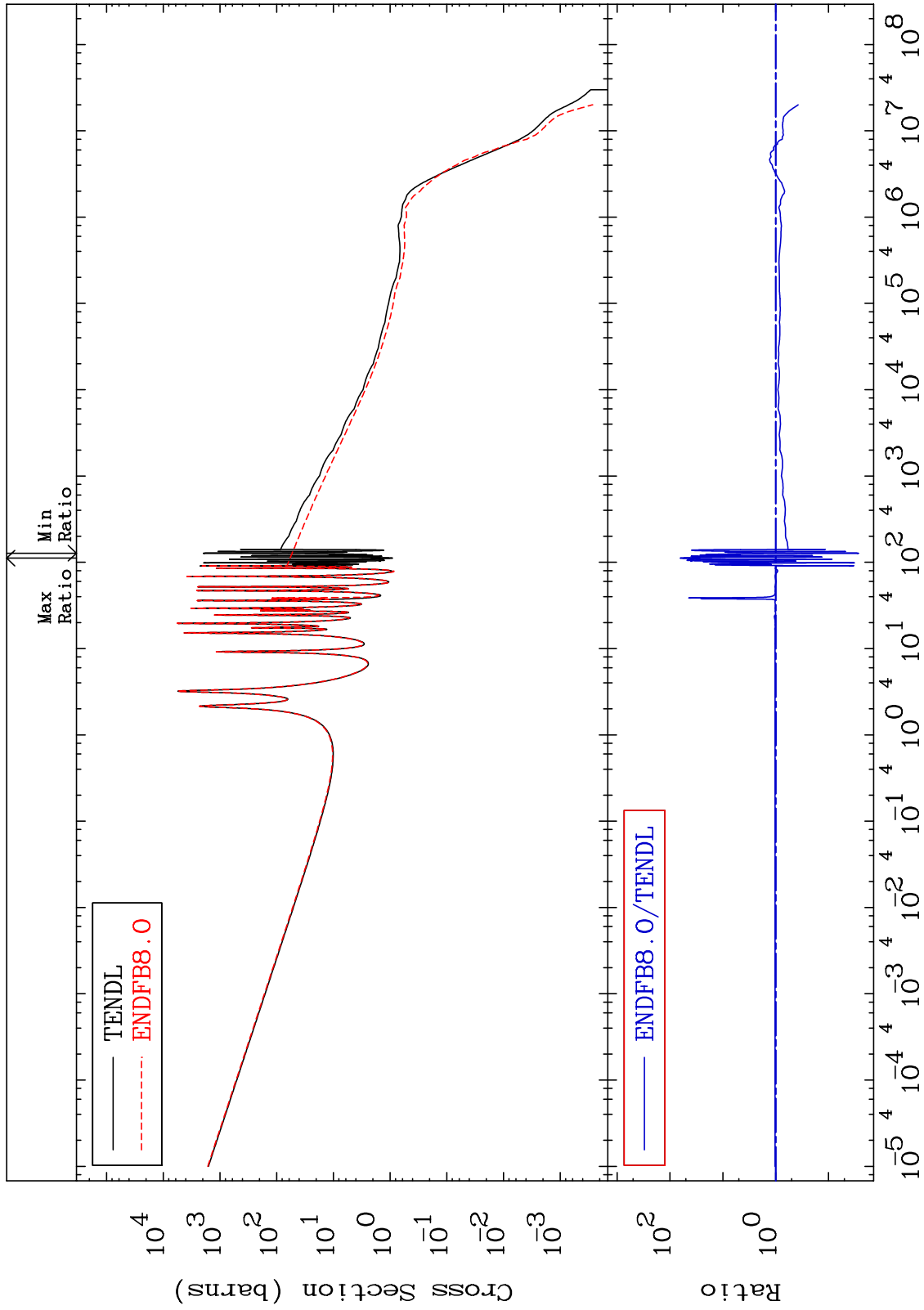
Incident Energy (eV)

66-Dy-156

MAT 6625

(n, γ)
Cross Section

66-Dy-156
-97.28 To 6364. %



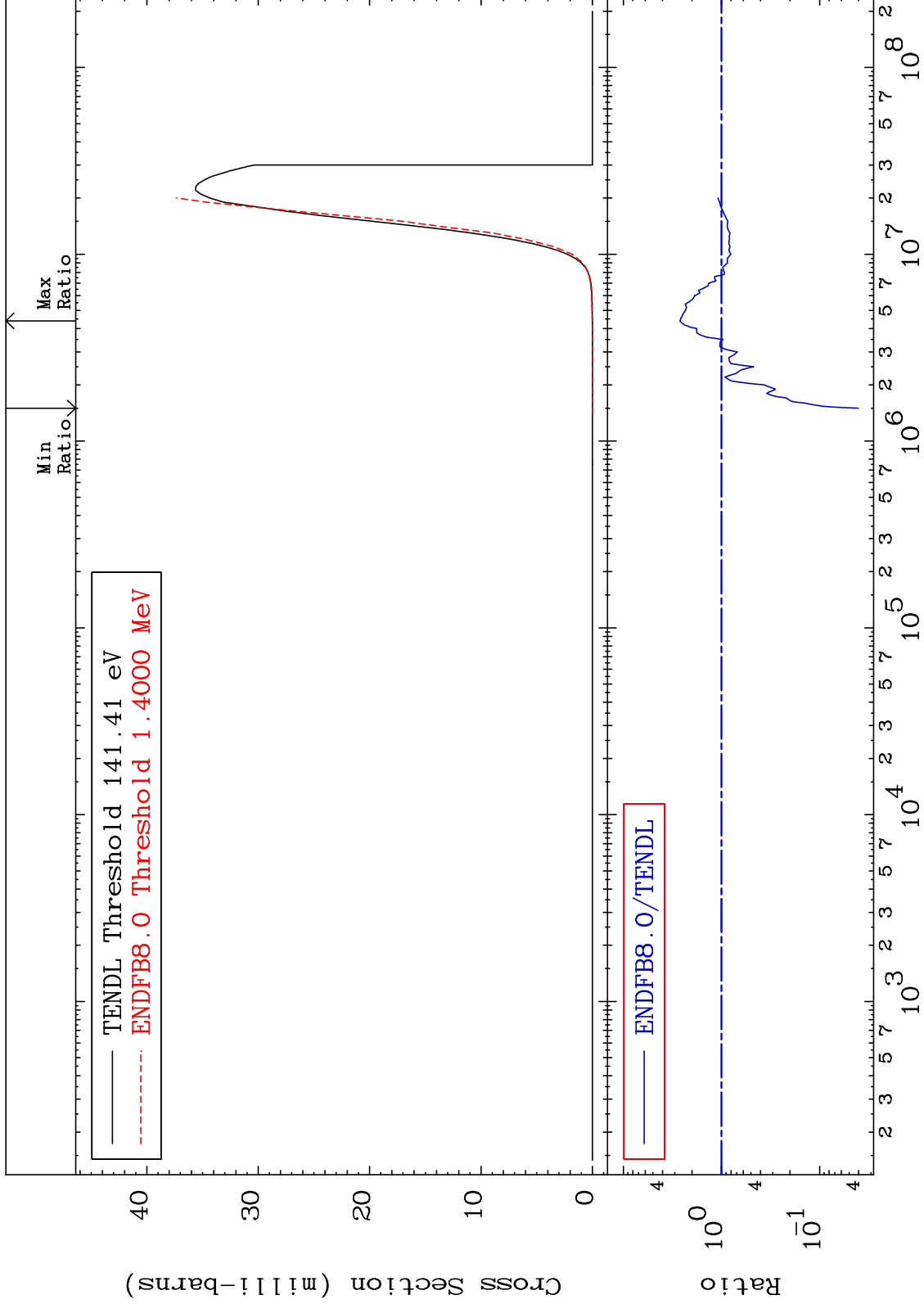
MAT 6625

(n, p)

66-Dy-156

Cross Section

-95.98 To 166.0 %



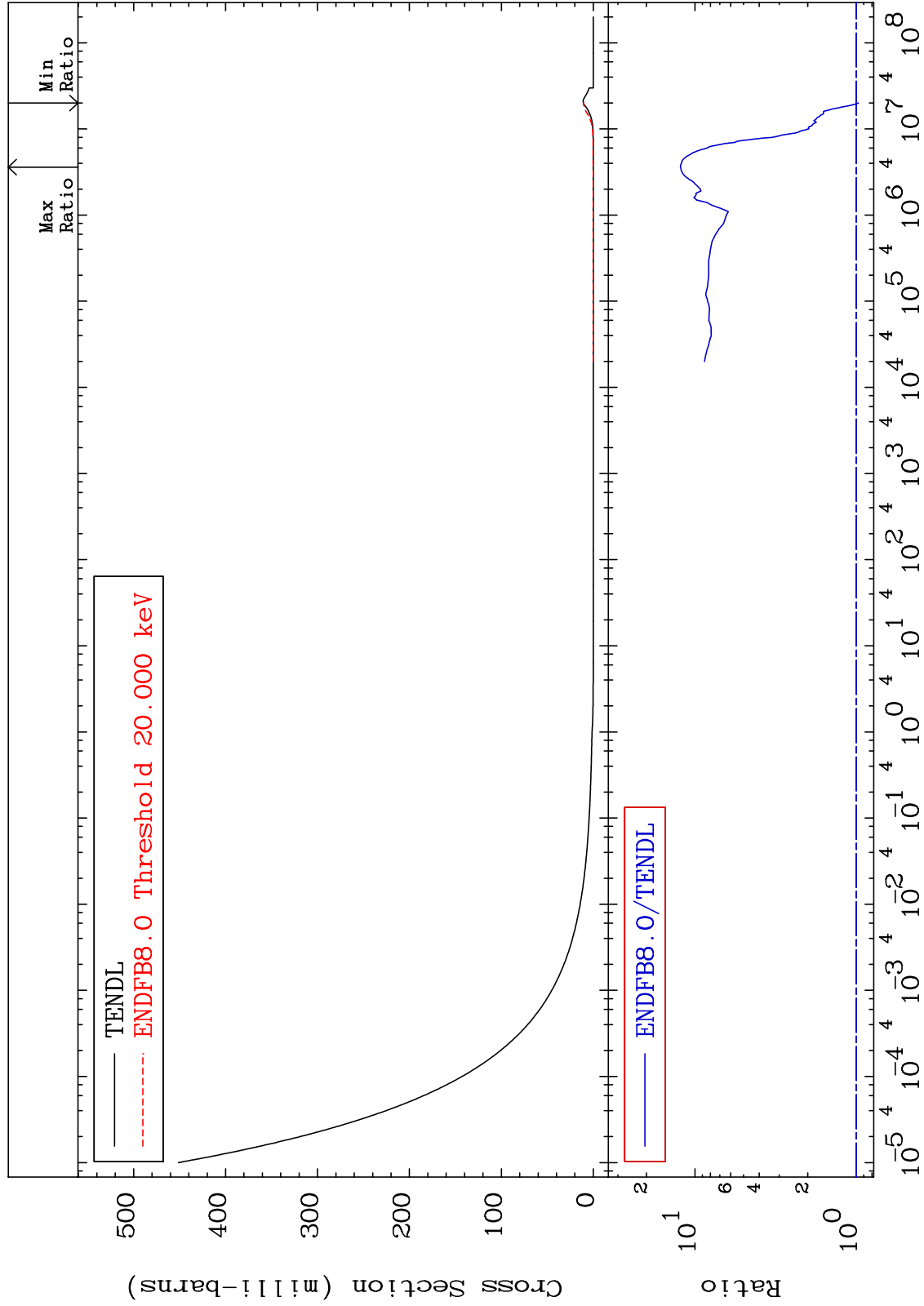
MAT 6625

(n, α)

66-Dy-156

Cross Section

-3.208 To 1129. %



23

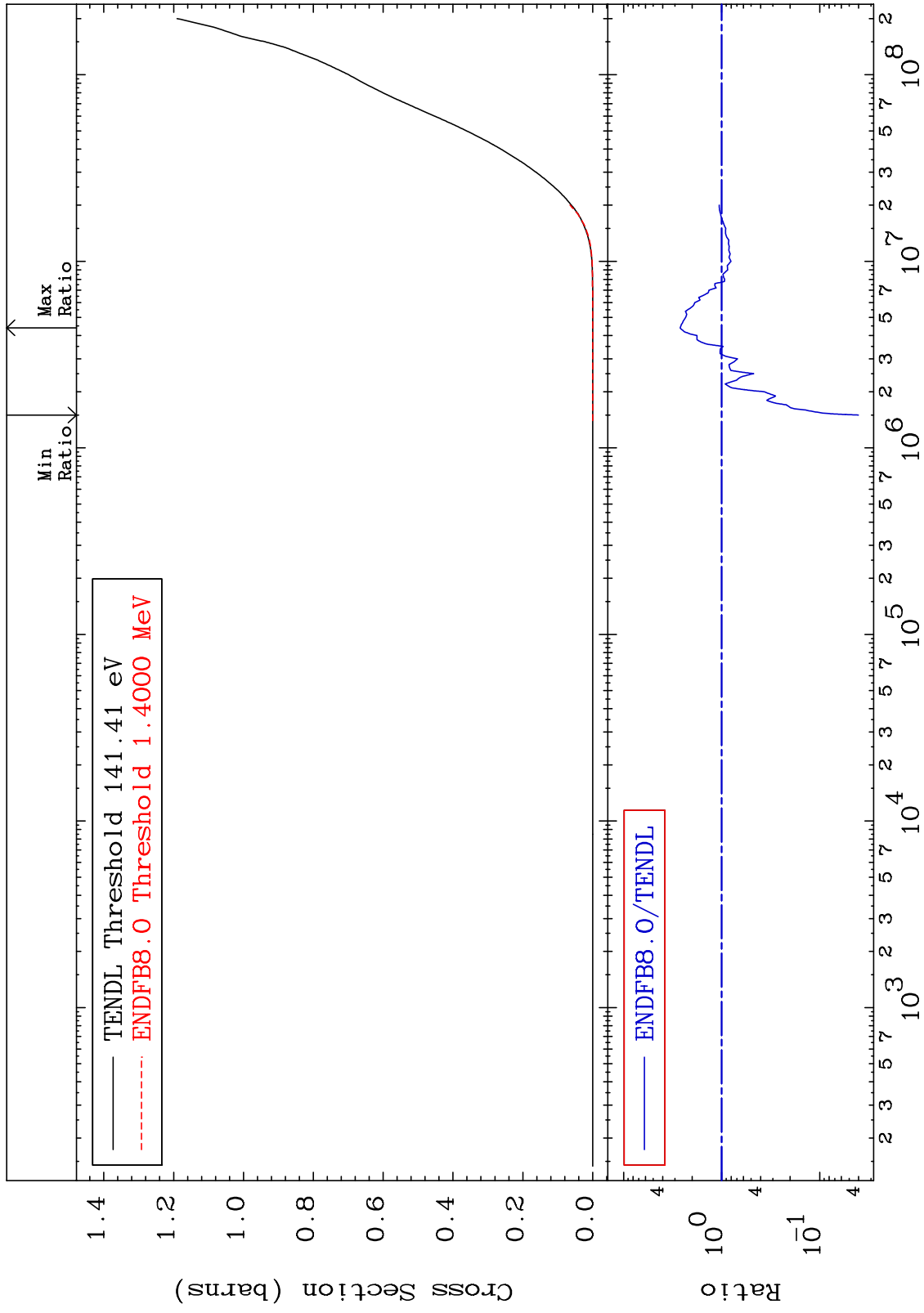
Incident Energy (eV)

66-Dy-156

MAT 6625

Hydrogen Production
Cross Section

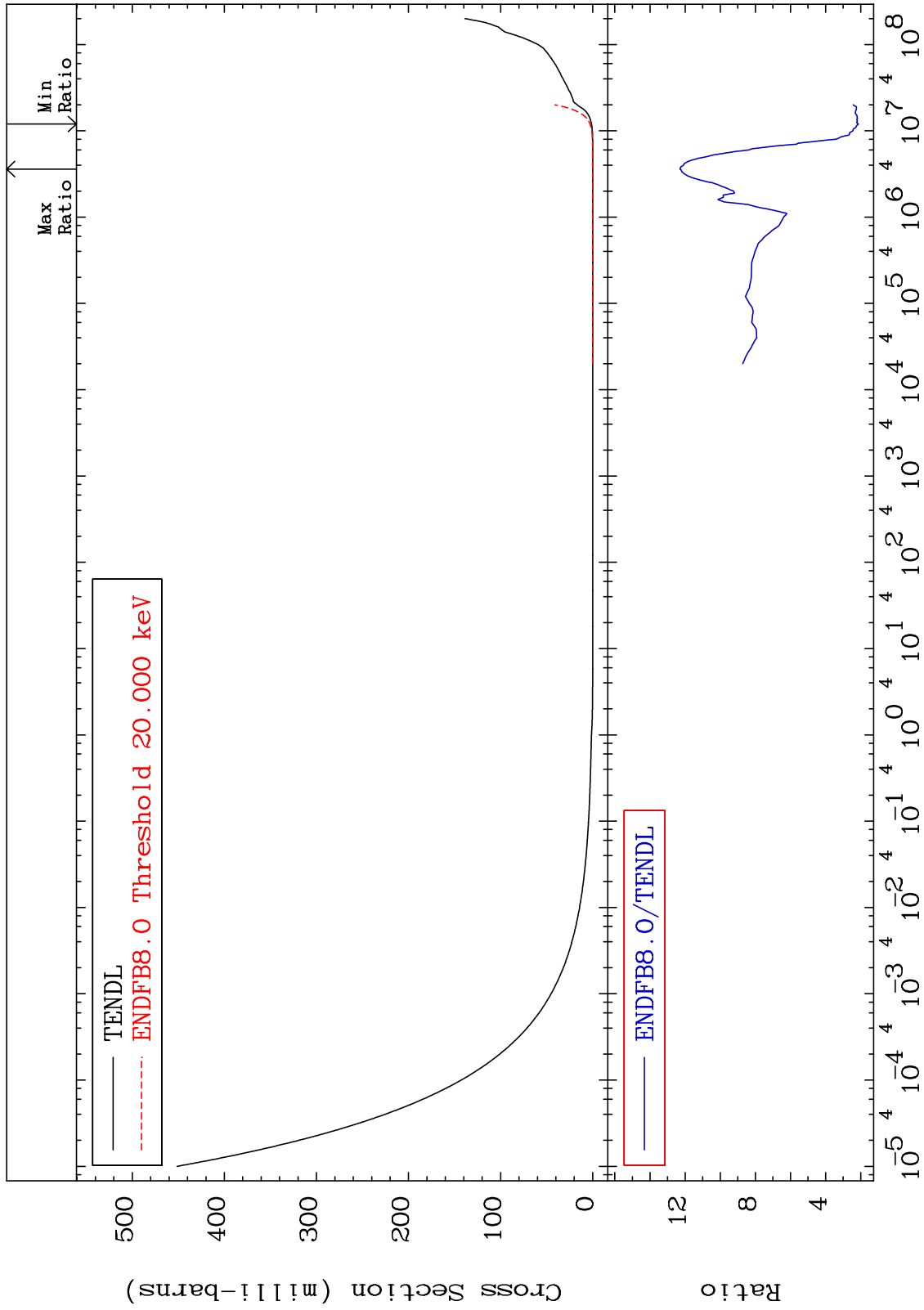
66-Dy-156
-95.98 To 166.0 %



MAT 6625

He-4 Production
Cross Section

66-Dy-156
112.9 To 1129. %



25

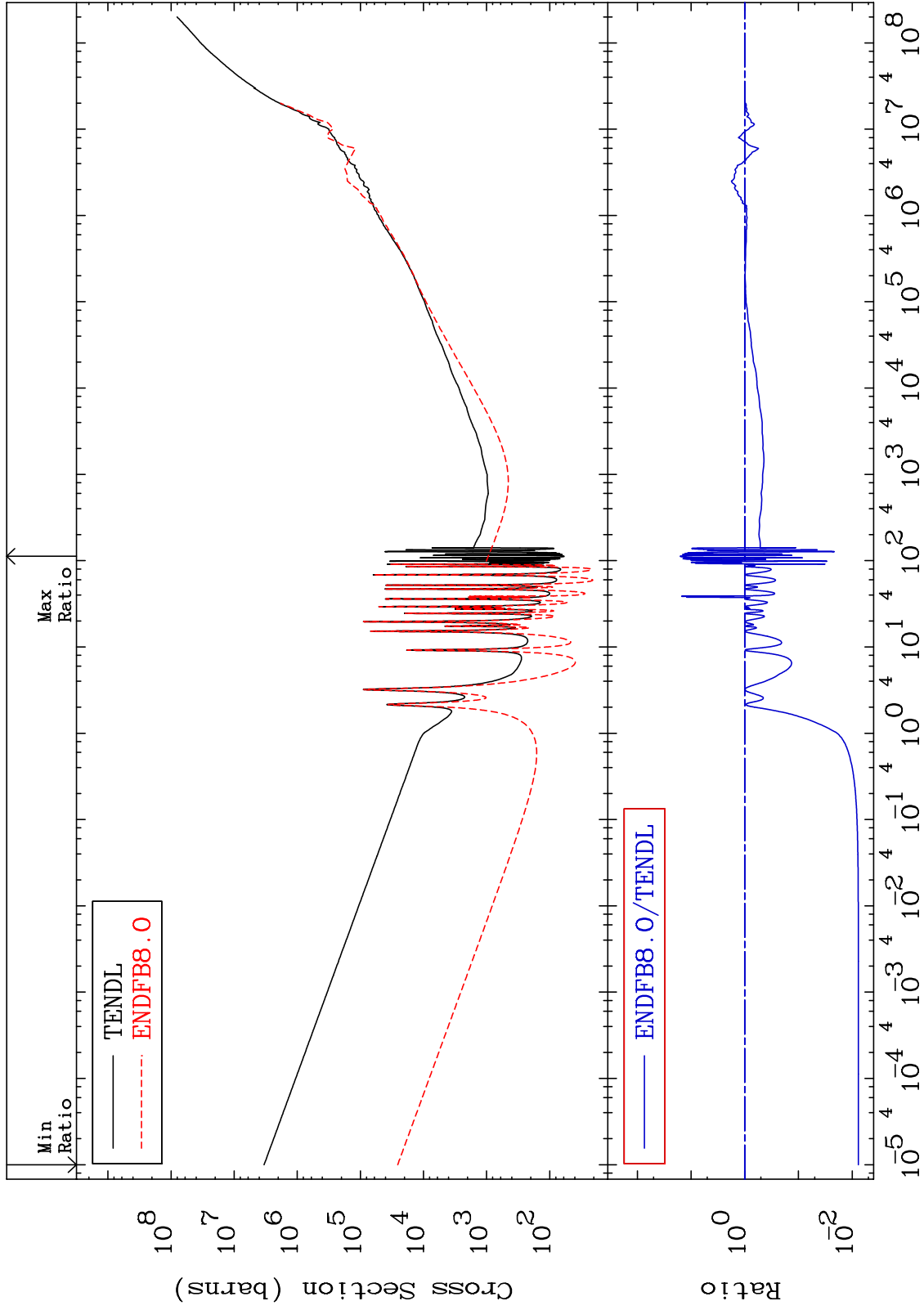
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma total (eV-barns)
Cross Section

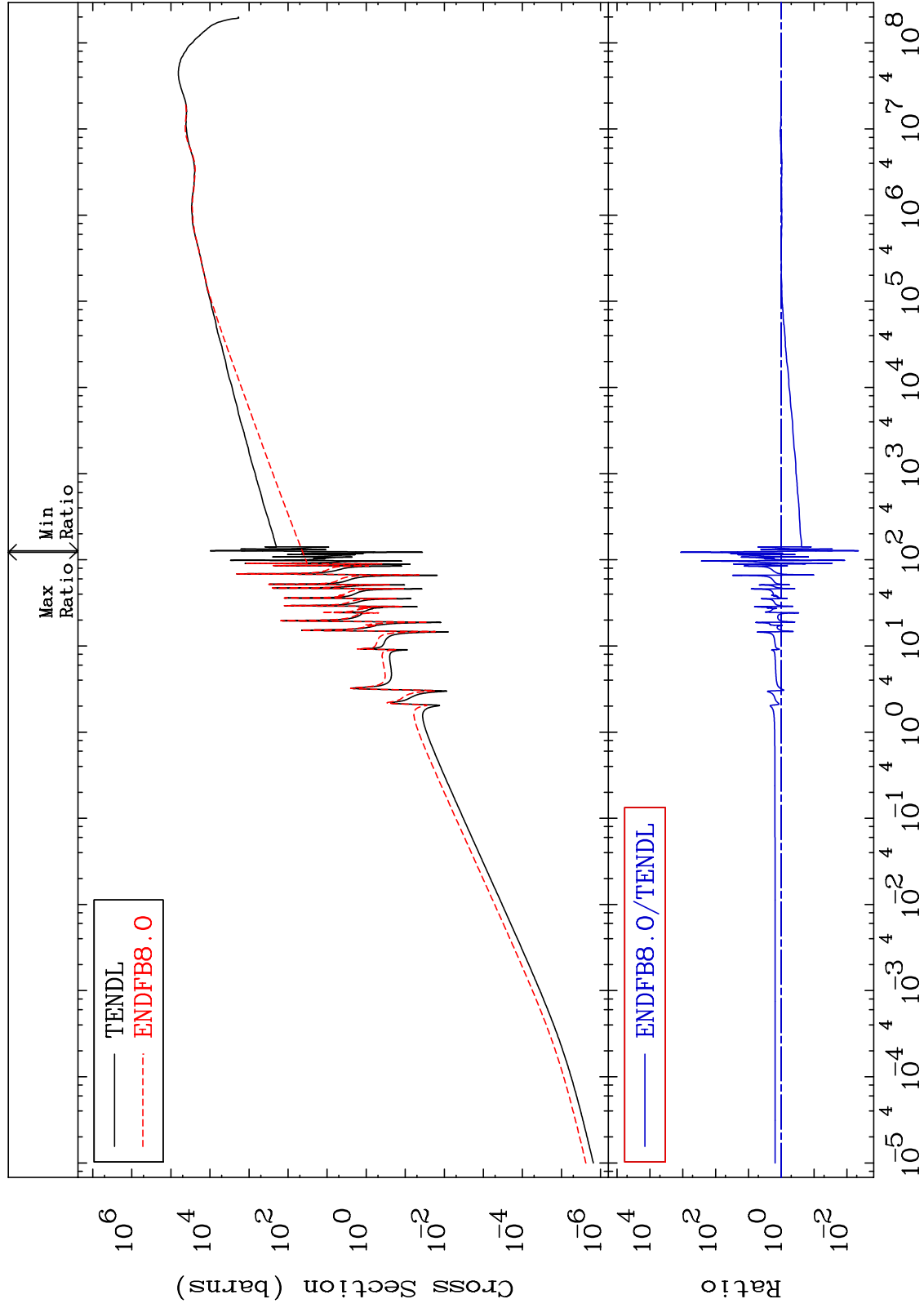
66-Dy-156
-99.24 To 1508. %



MAT 6625

Kerma elastic
Cross Section

66-Dy-156
-99.56 To 9999. %



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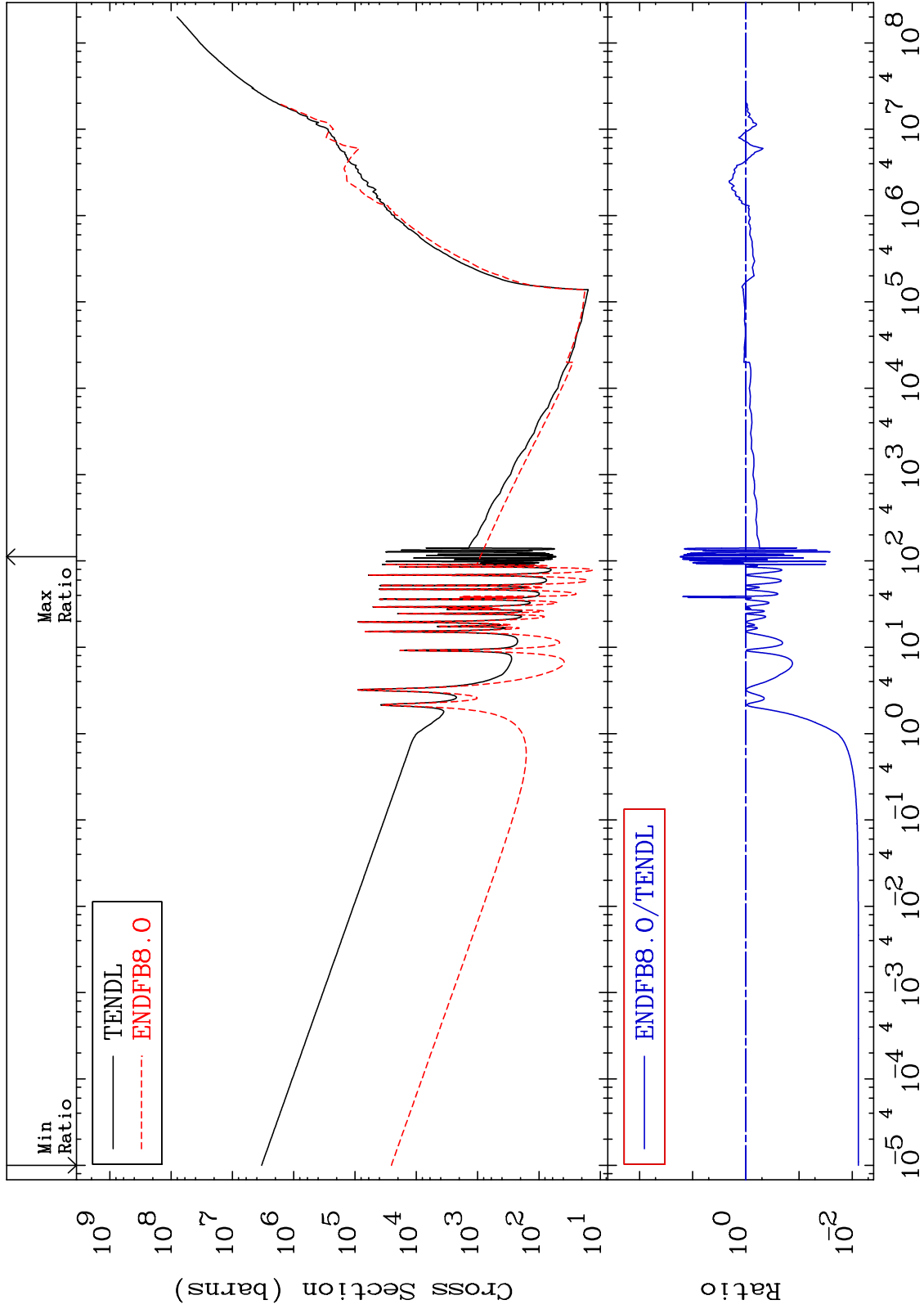
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma non-elastic (all but mt2)
Cross Section

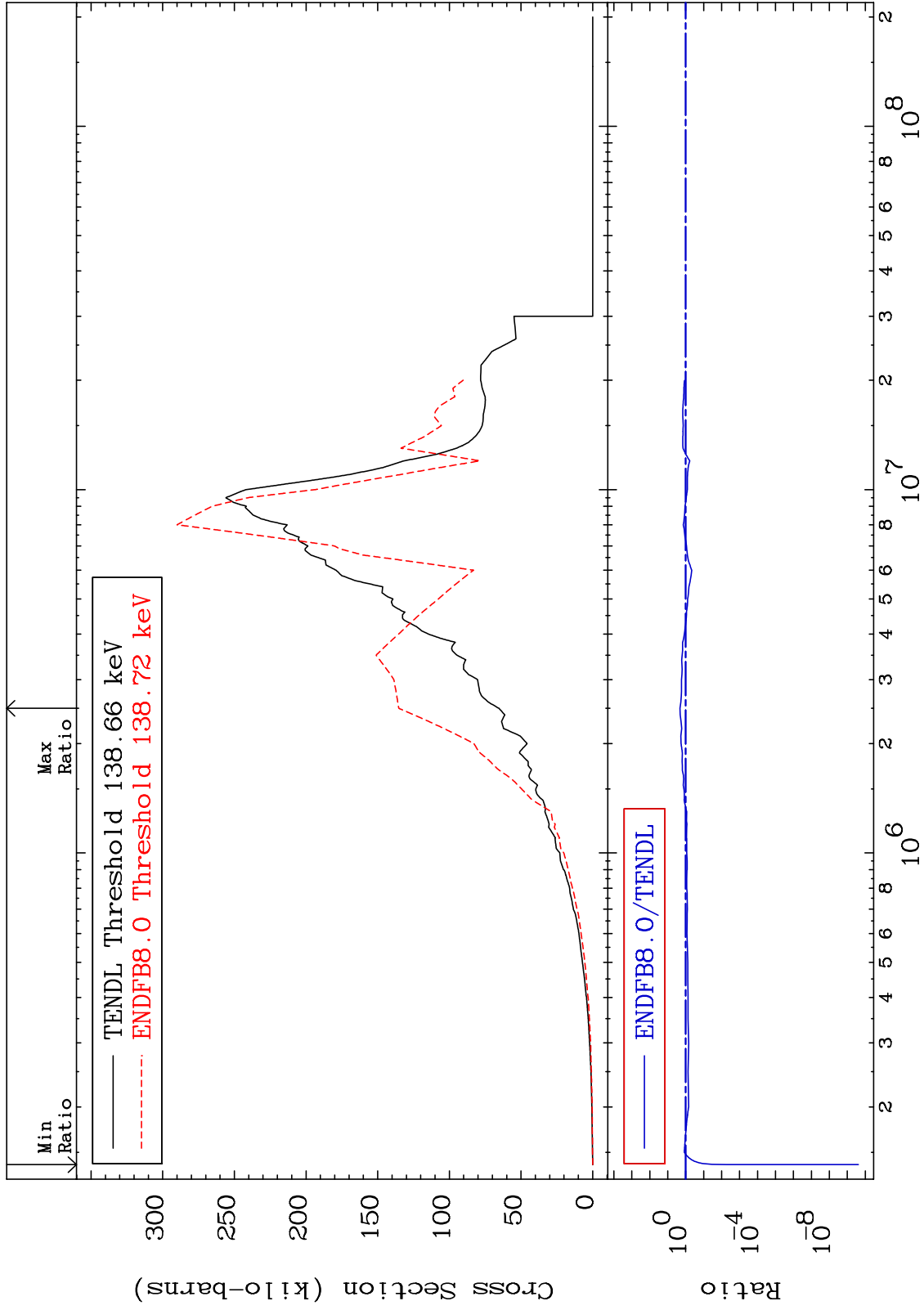
66-Dy-156
-99.24 To 1631. %



MAT 6625

Kerma inelastic (mt51-91)
Cross Section

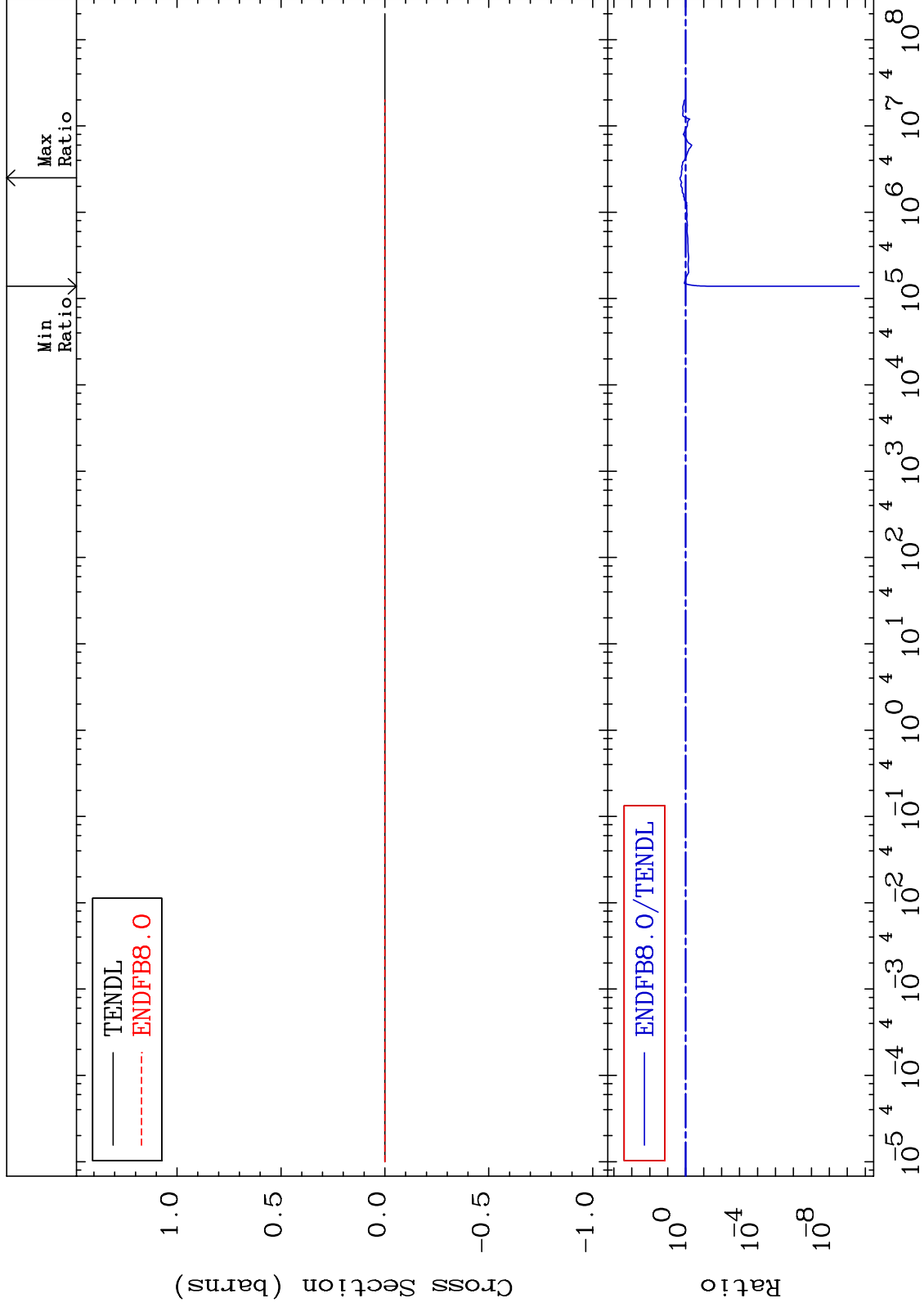
66-Dy-156
-100.0 To 106.8 %



MAT 6625

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

66-Dy-156
-100.0 To 106.8 %



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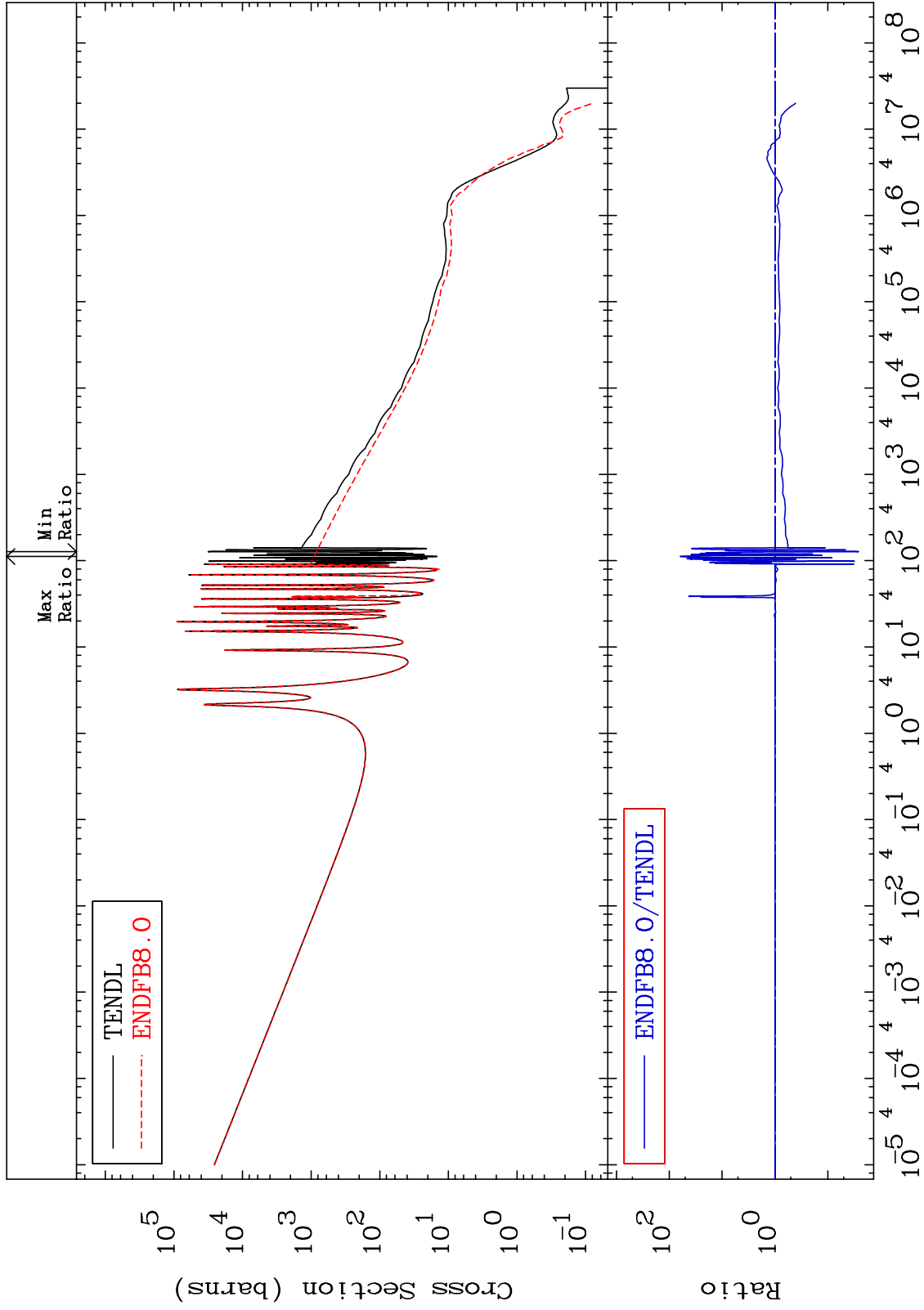
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma capture (mt102)
Cross Section

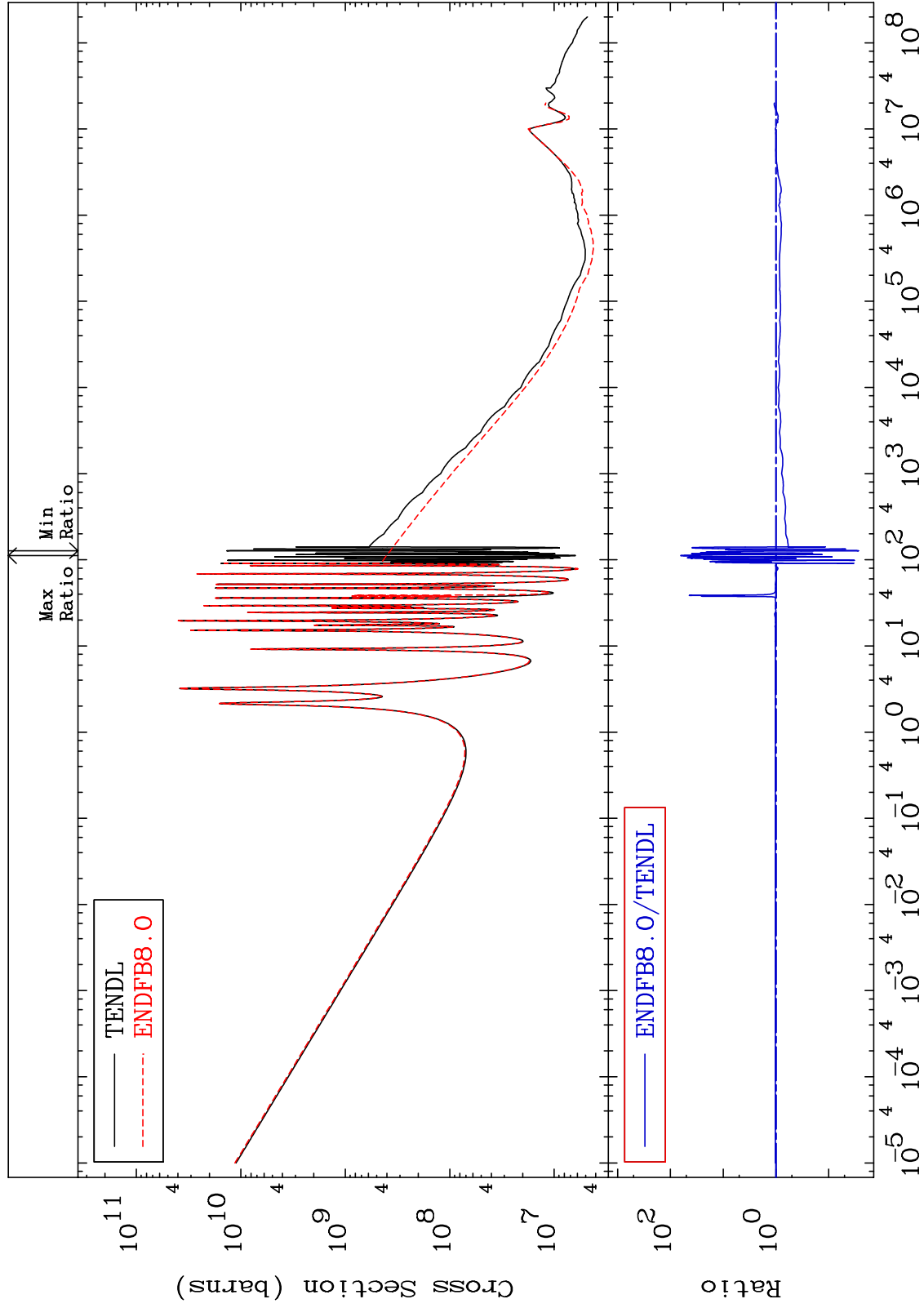
66-Dy-156
-97.37 To 6159. %



MAT 6625

Total photon (eV-barns)
Cross Section

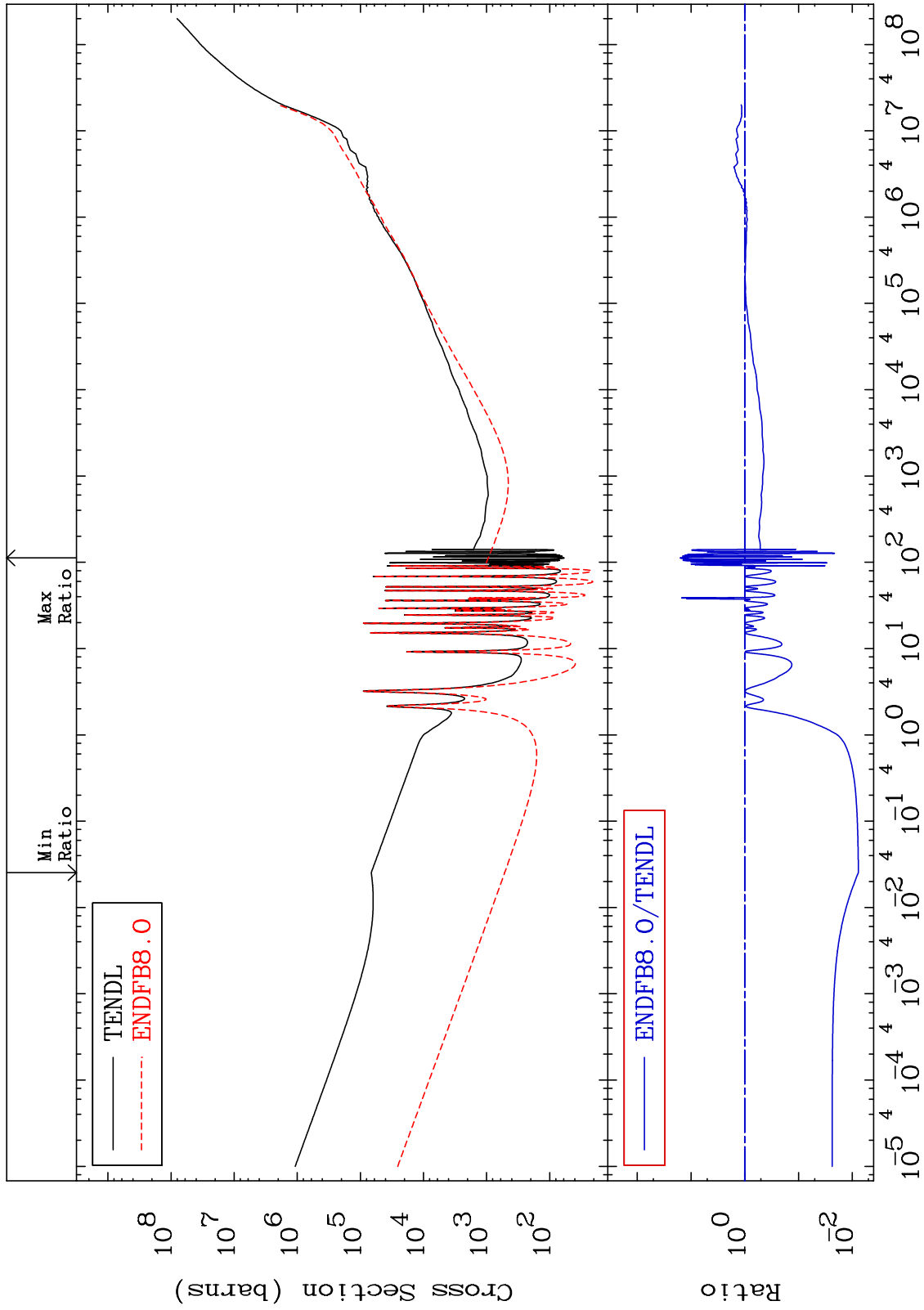
66-Dy-156
-97.28 To 6359. %



MAT 6625

Total kinematic kerma (high limit)
Cross Section

66-Dy-156
-99.23 To 1499. %



33

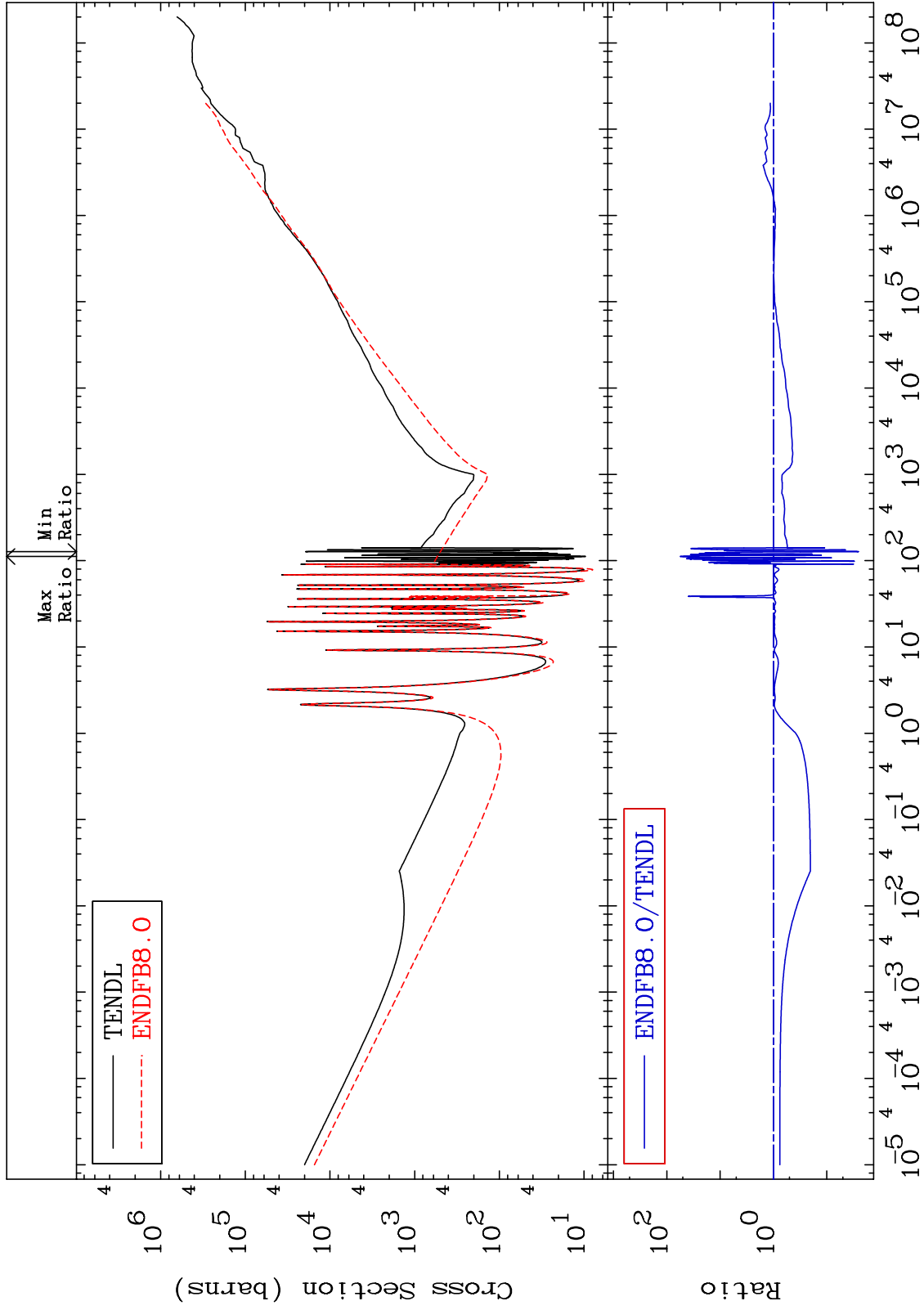
Incident Energy (eV)

66-Dy-156

MAT 6625

Dpa total (eV-barns)
Cross Section

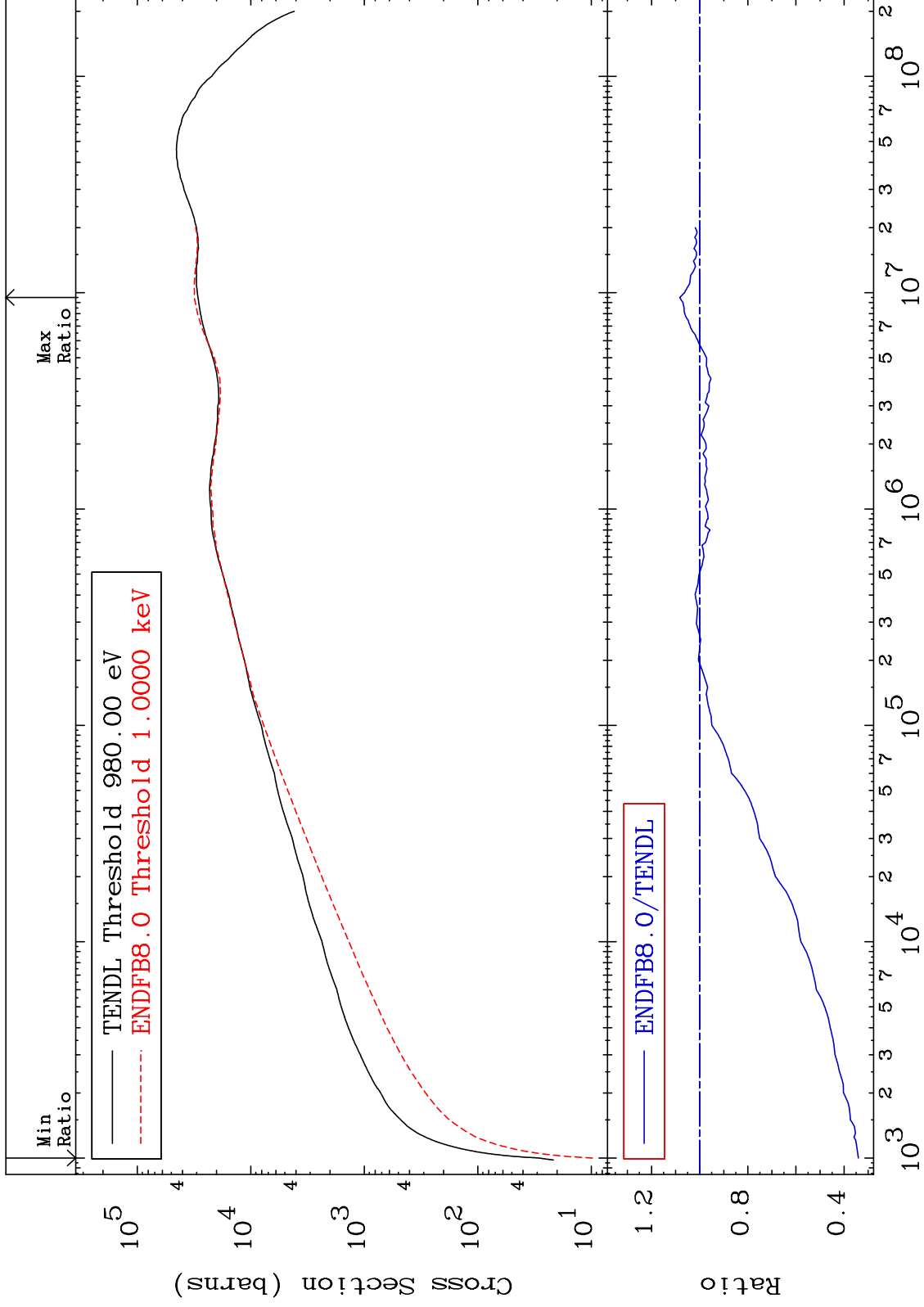
66-Dy-156
-97.44 To 5544. %



MAT 6625

Dpa elastic (mt2)
Cross Section

66-Dy-156
-65.90 To 8.241 %



35

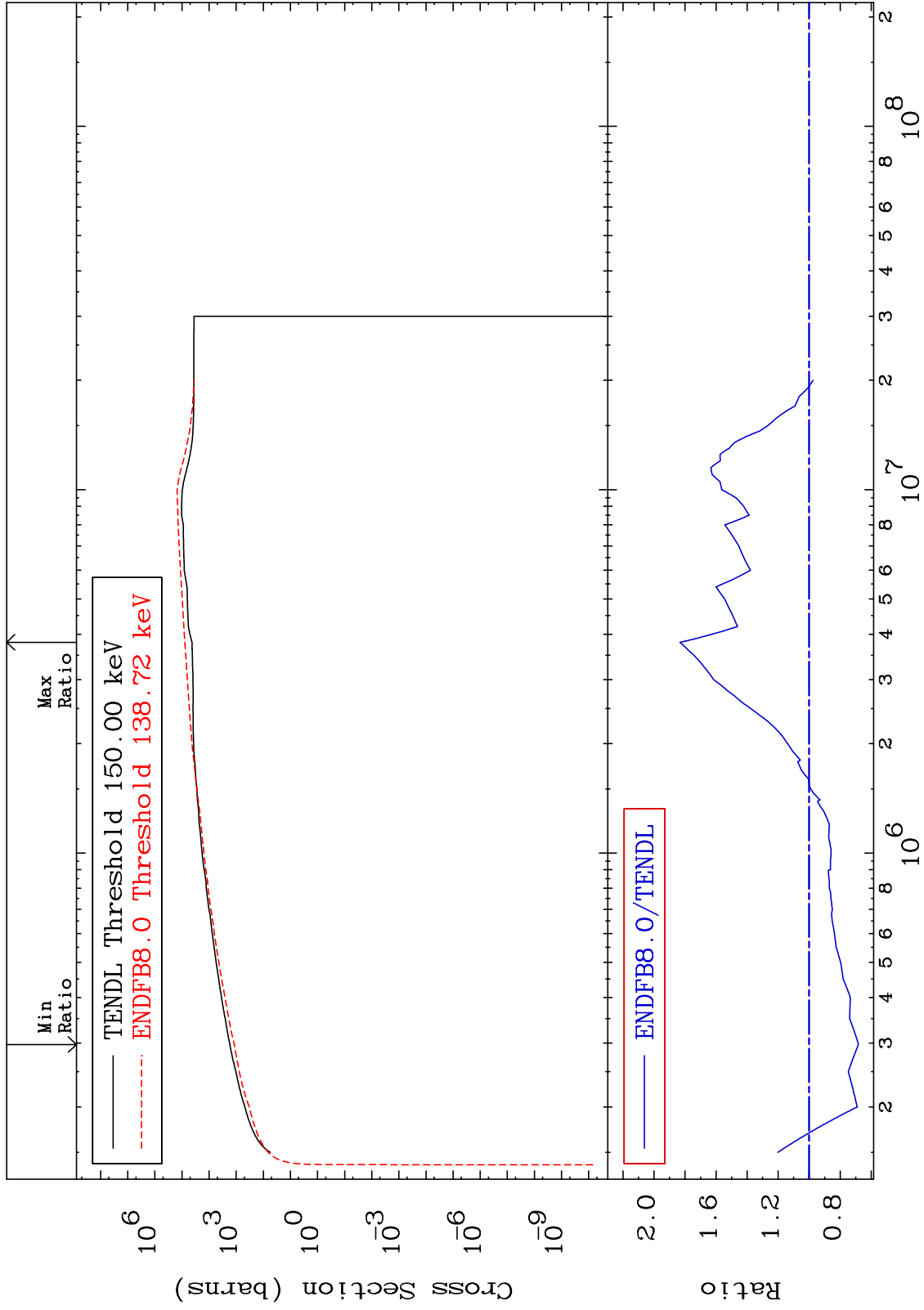
Incident Energy (eV)

66-Dy-156

MAT 6625

Dpa inelastic (mt51-91)
Cross Section

66-Dy-156
-31.75 To 83.25 %



MAT 6625

Dpa disappearance (mt102 -120)
Cross Section

66-Dy-156
-97.44 To 5544. %

