

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

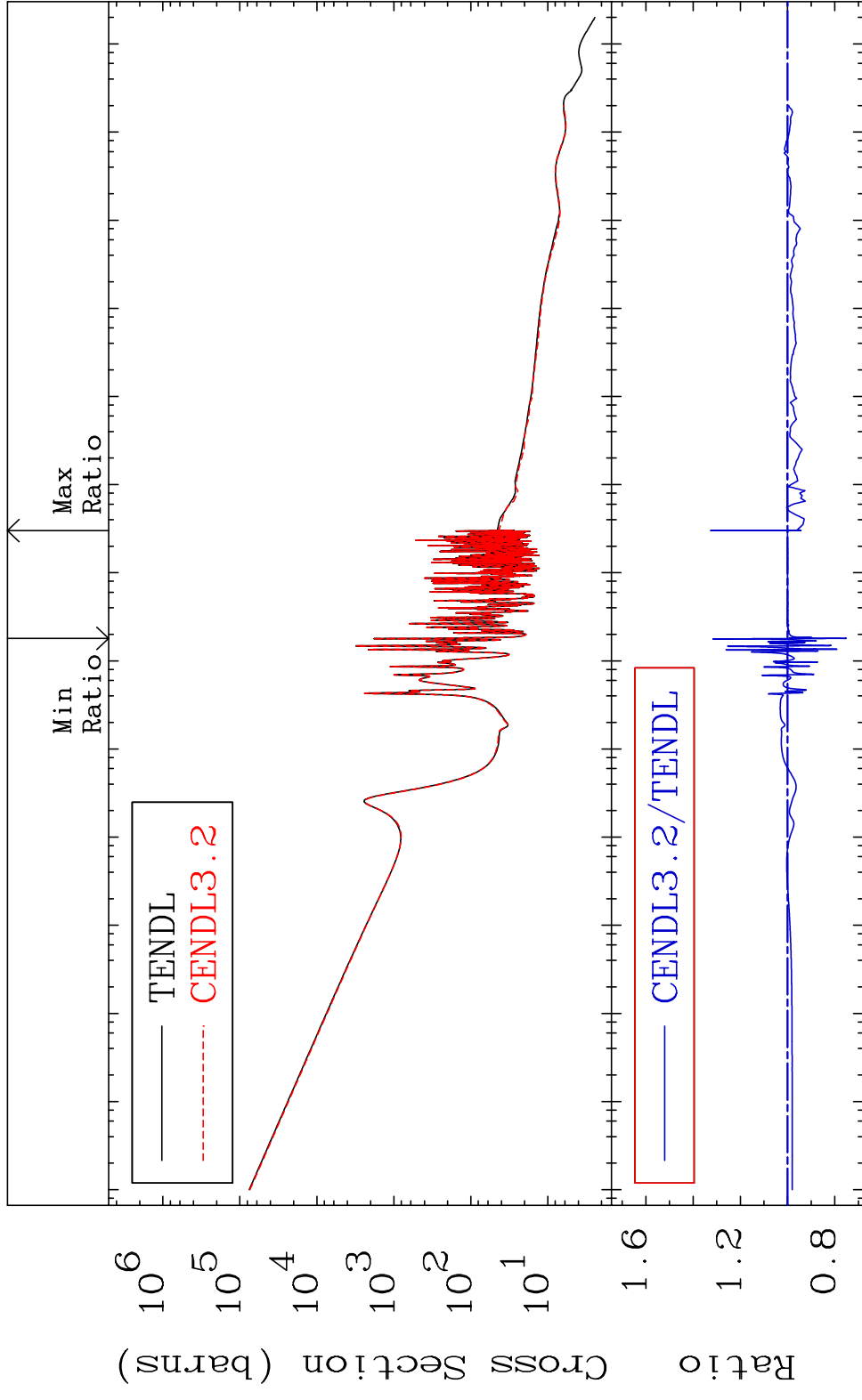
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9443

Total
Cross Section -24.87 To 32.54 %

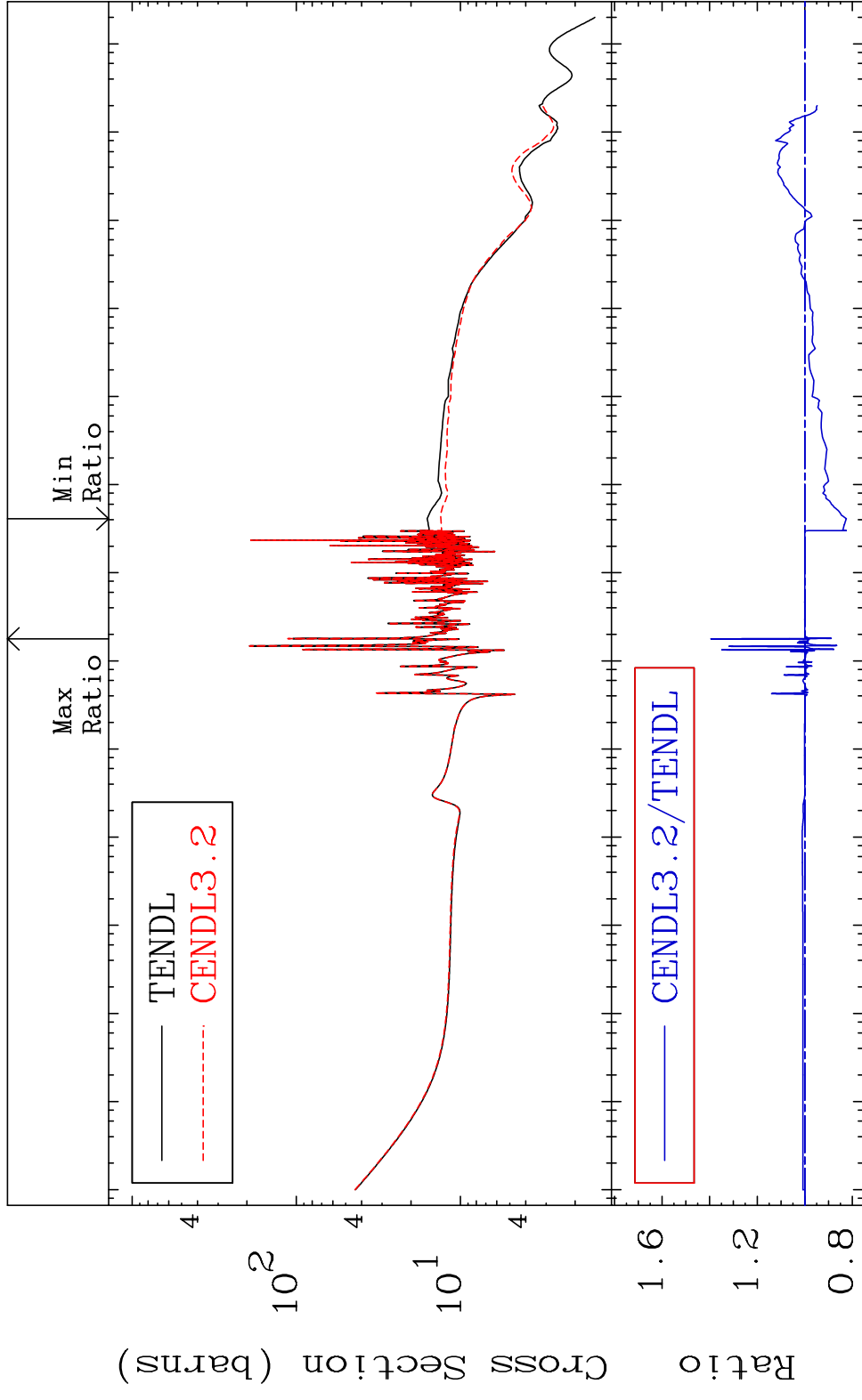
94-Pu-241



1 Incident Energy (eV) 94-Pu-241

MAT 9443

Elastic
Cross Section -17.47 To 39.54 %

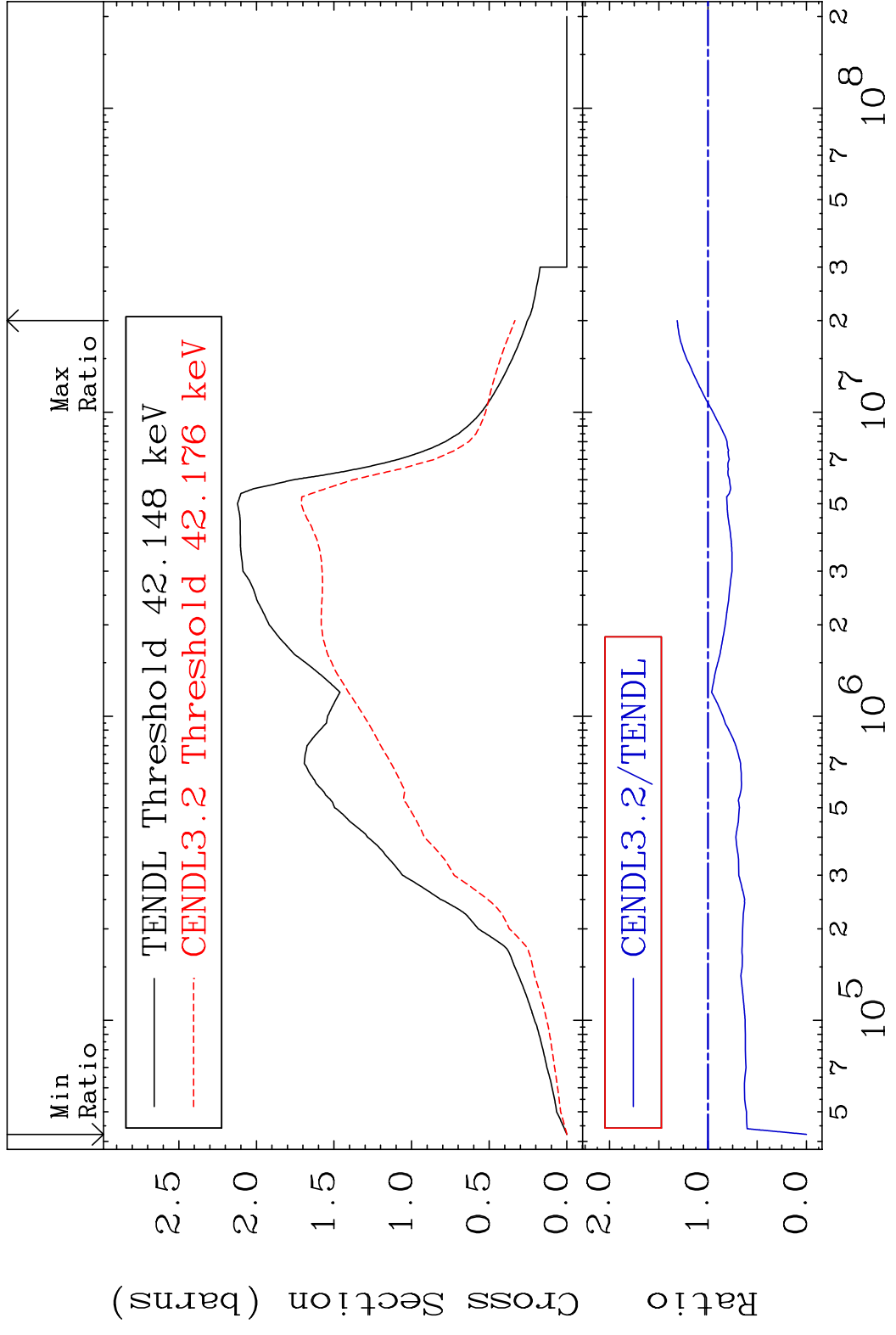


94-Pu-241

Incident Energy (eV)

2

MAT 9443 Inelastic 94-Pu-241
 Cross Section -100.0 To 31.34 %

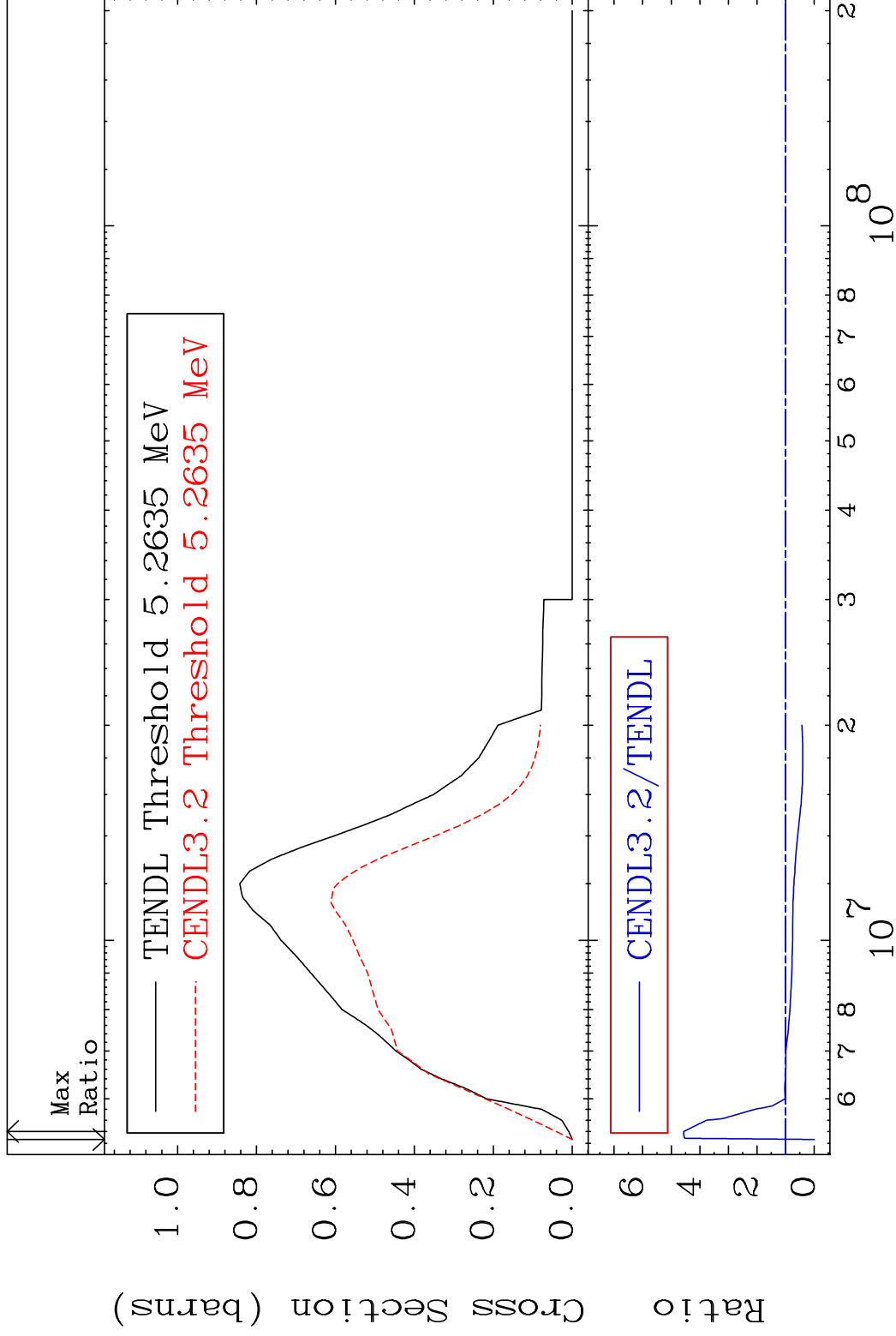


MAT 9443

(n,2n)

94-Pu-241

Cross Section -100.0 To 356.6 %



4

Incident Energy (eV)

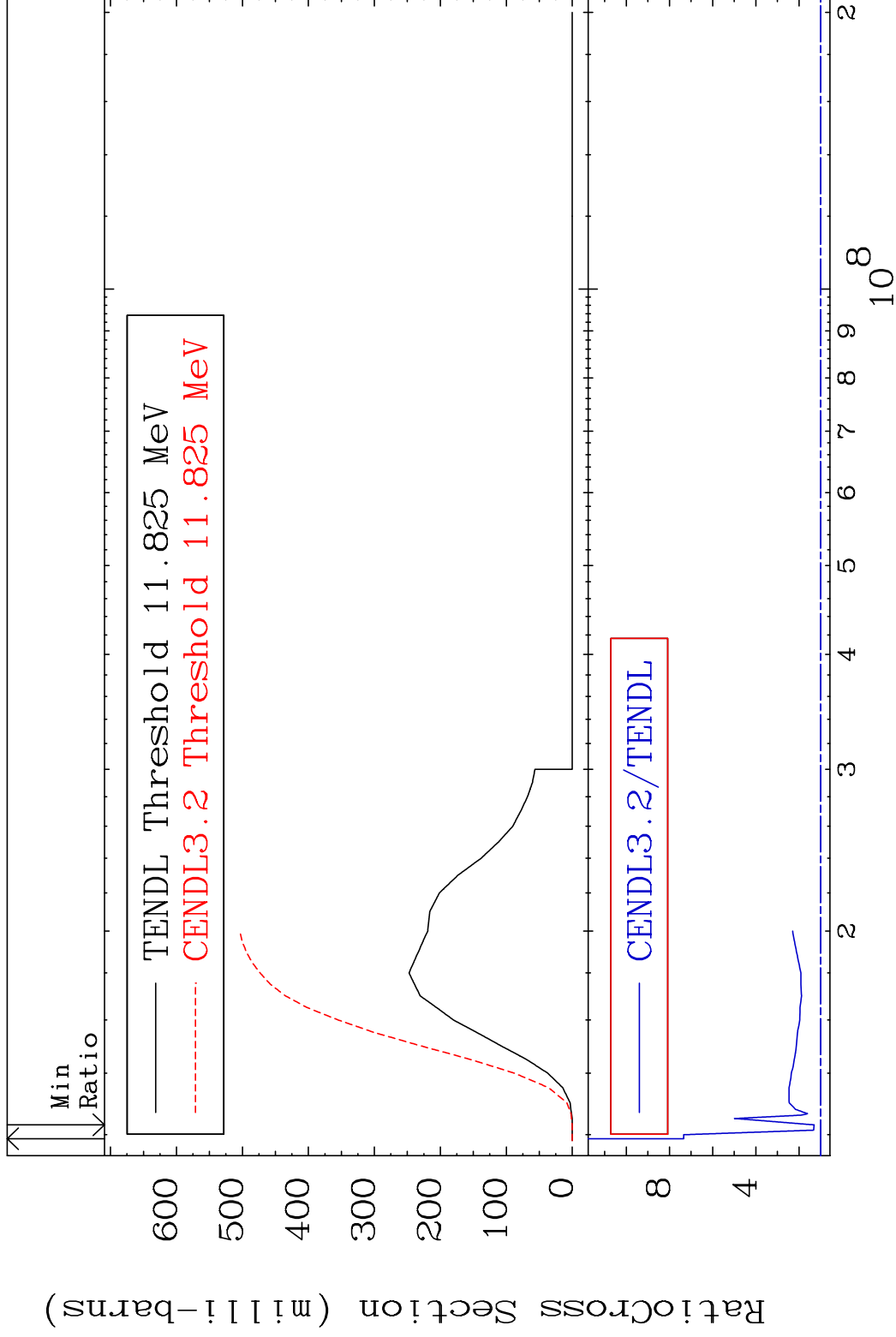
94-Pu-241

MAT 9443

(n,3n)

94-Pu-241

Cross Section 30.24 To 634.3 %



5

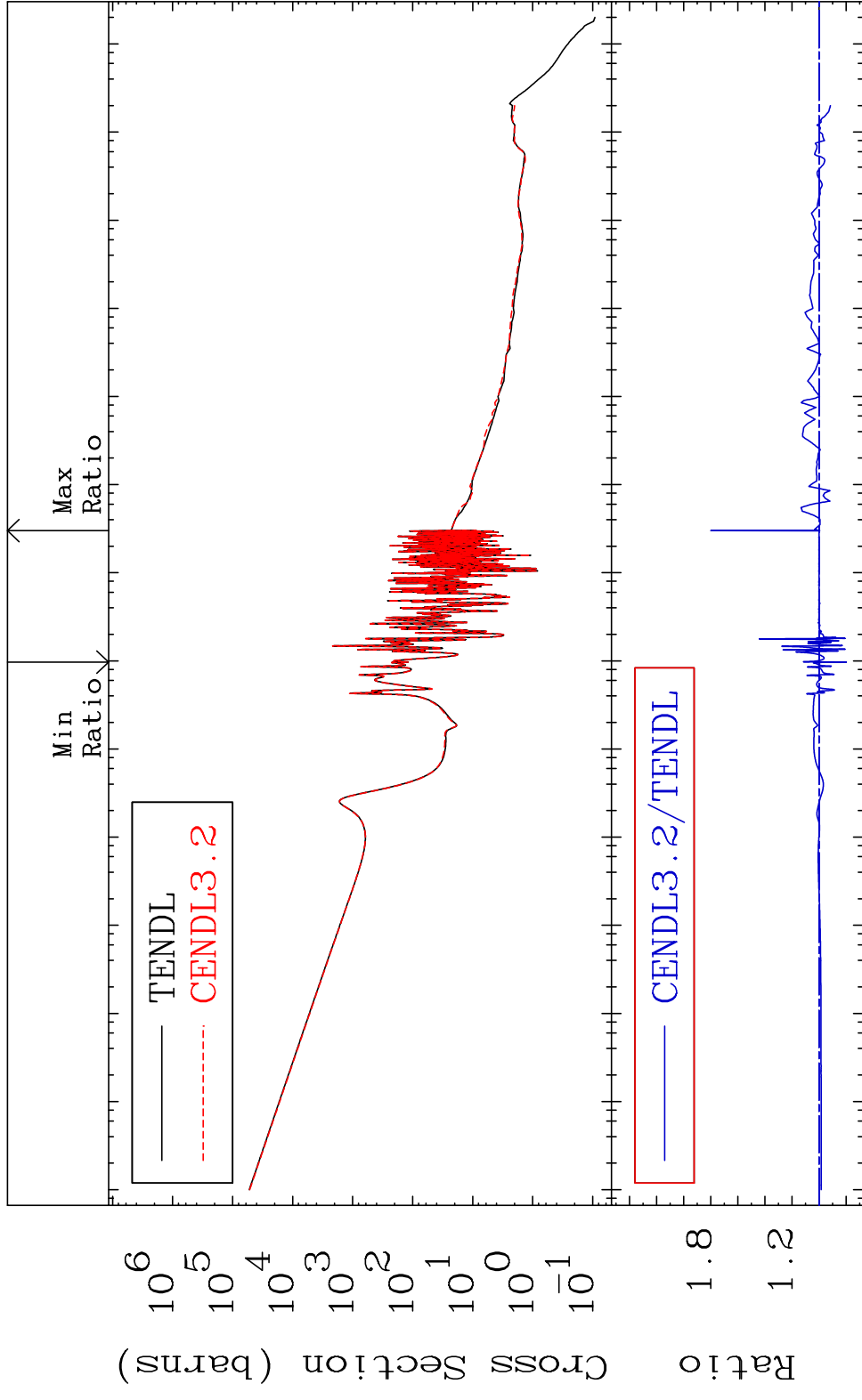
Incident Energy (eV)

94-Pu-241

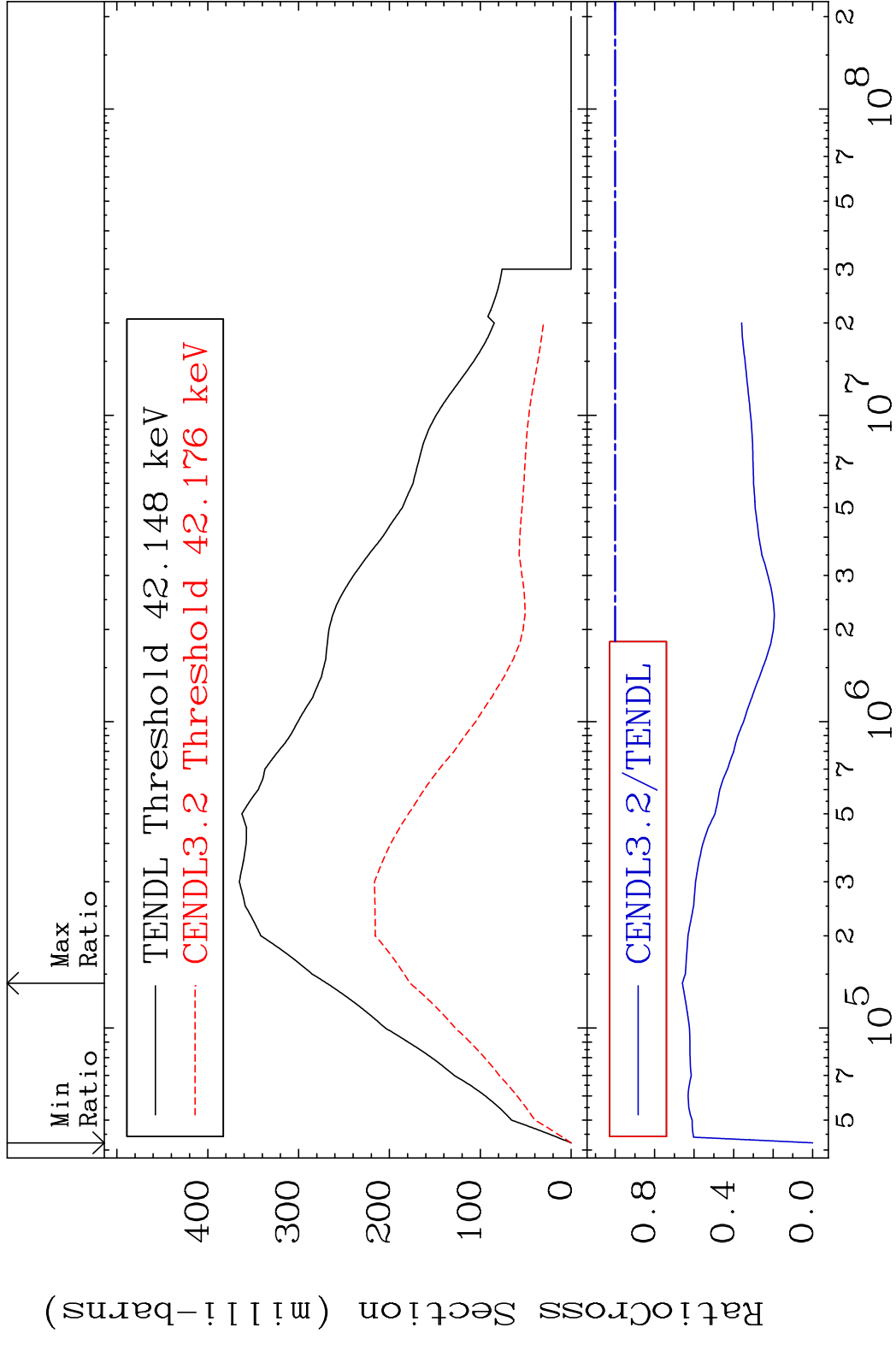
MAT 9443

Fission
Cross Section -20.19 To 80.02 %

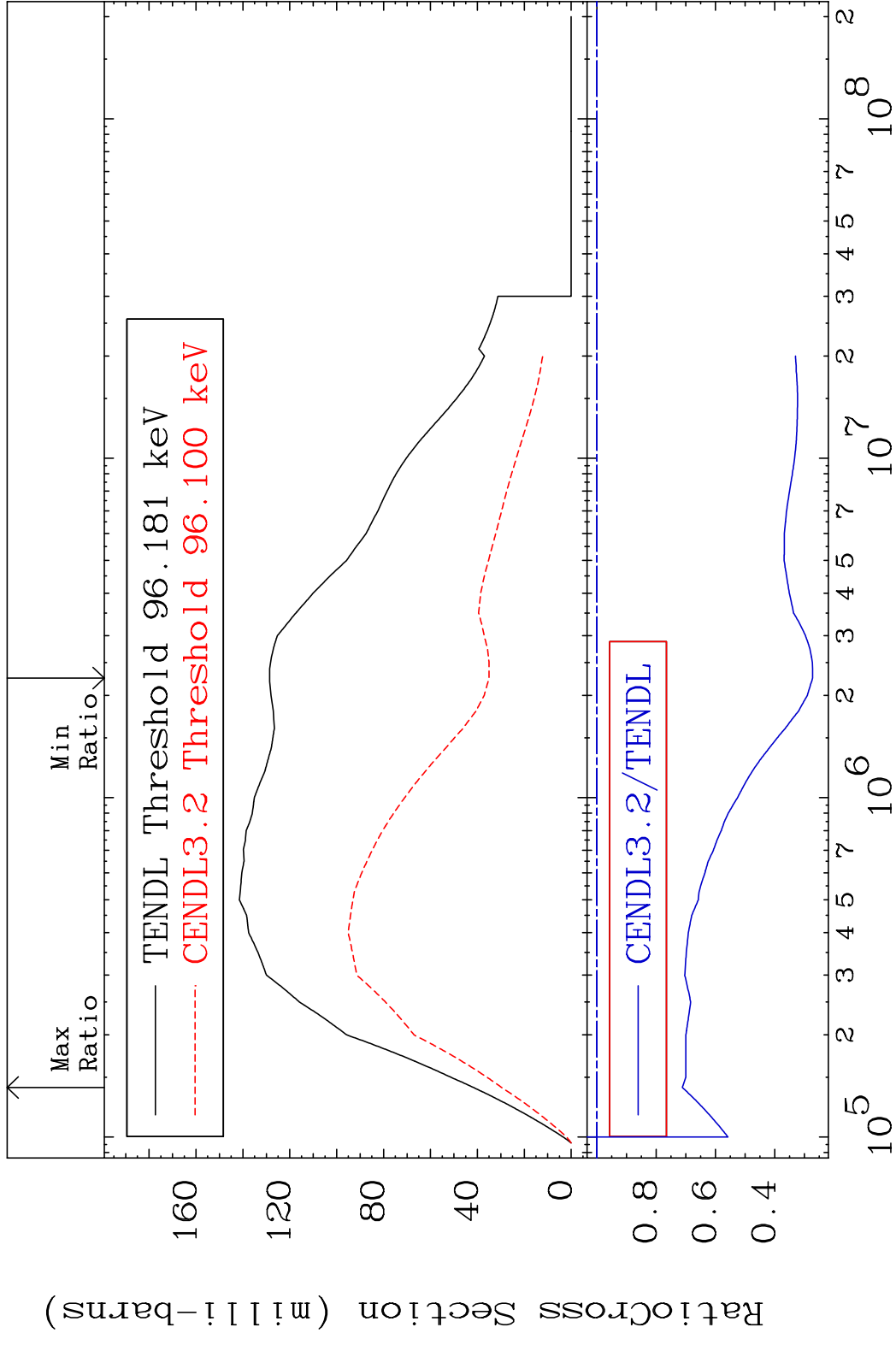
94-Pu-241



MAT 9443 MT= 51 (n, n') Level 94-Pu-241
 Cross Section -100.0 To -34.05%

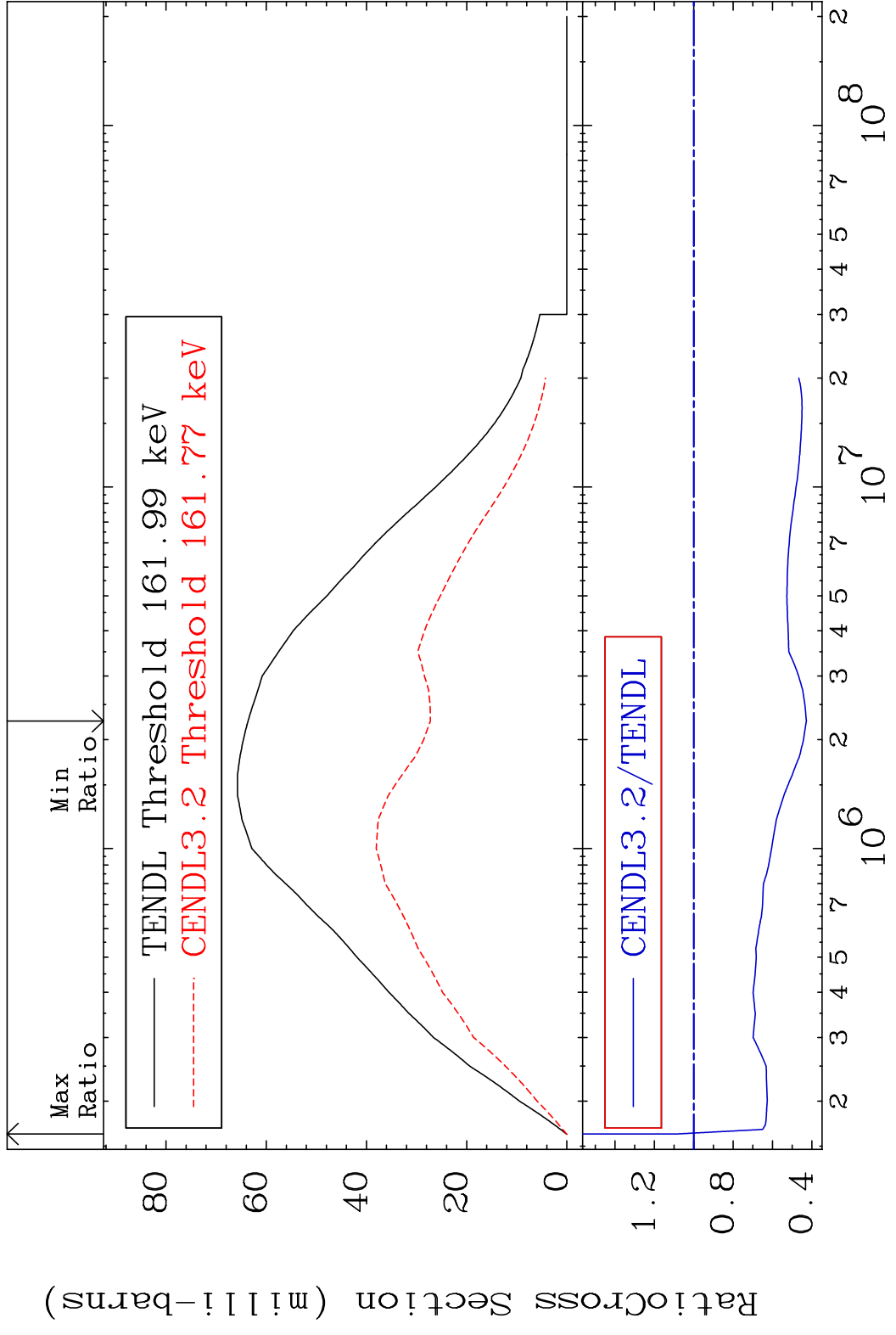


MAT 9443 MT= 52 (n, n') Level 94-Pu-241
 Cross Section -72.78 To -28.84%

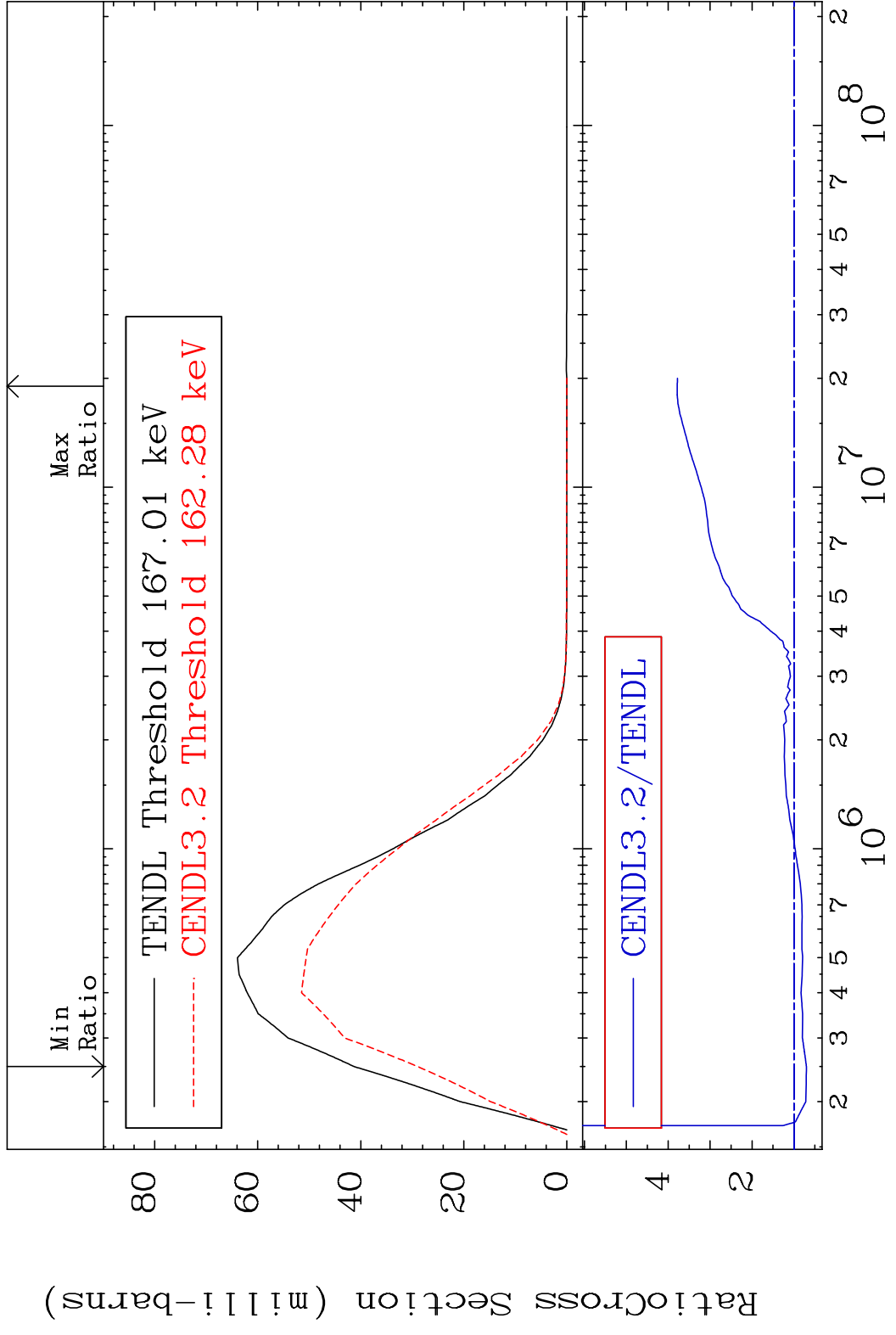


8 Incident Energy (eV) 94-Pu-241

MAT 9443 MT= 53 (n, n') Level 94-Pu-241
 Cross Section -57.19 To 8.437 %

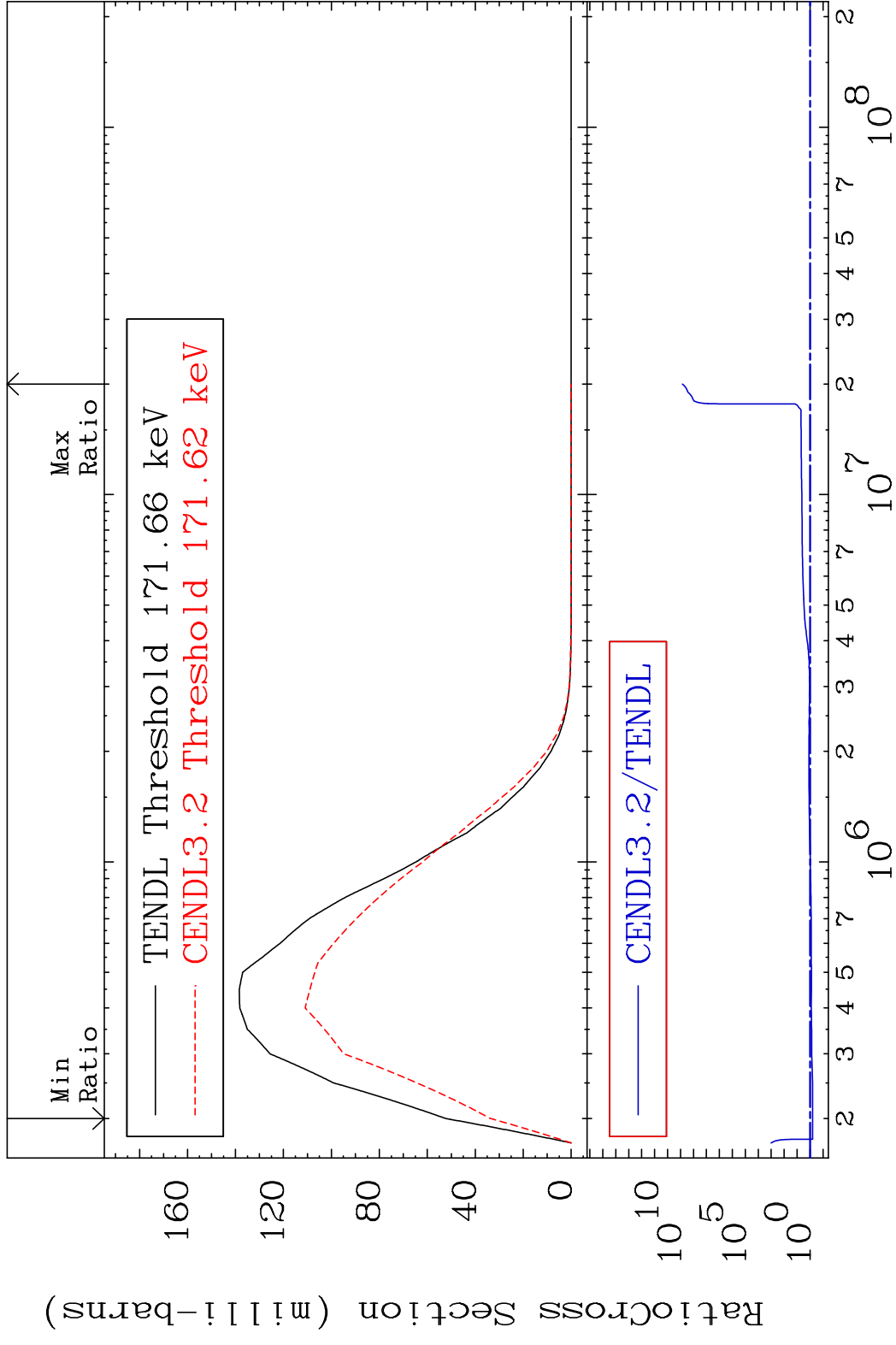


MAT 9443 MT= 54 (n, n') Level 94-Pu-241
 Cross Section -29.83 To 278.7 %

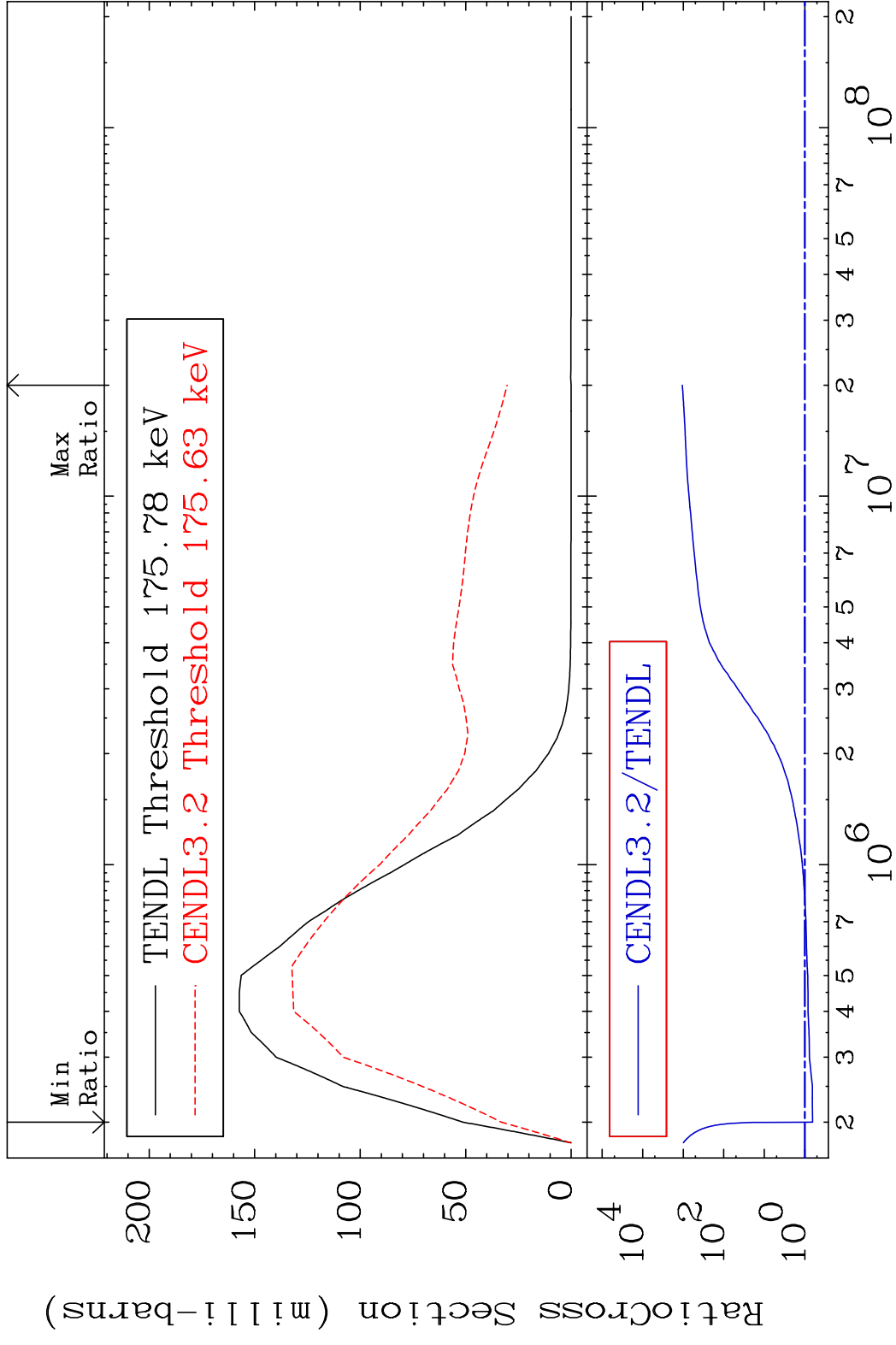


10 Incident Energy (eV) 94-Pu-241

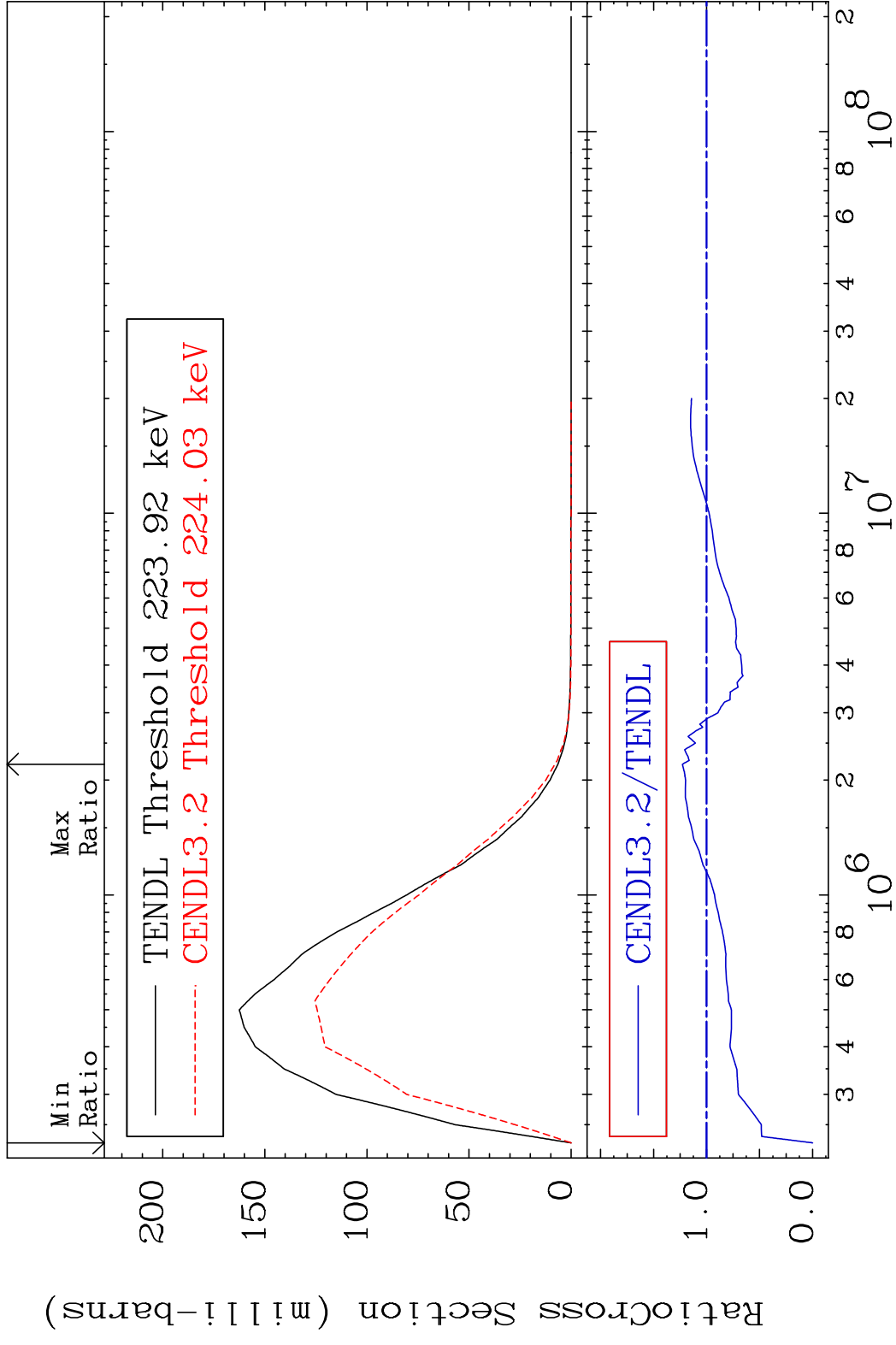
MAT 9443 MT= 55 (n, n') Level 94-Pu-241
 Cross Section -35.66 To 9999. %



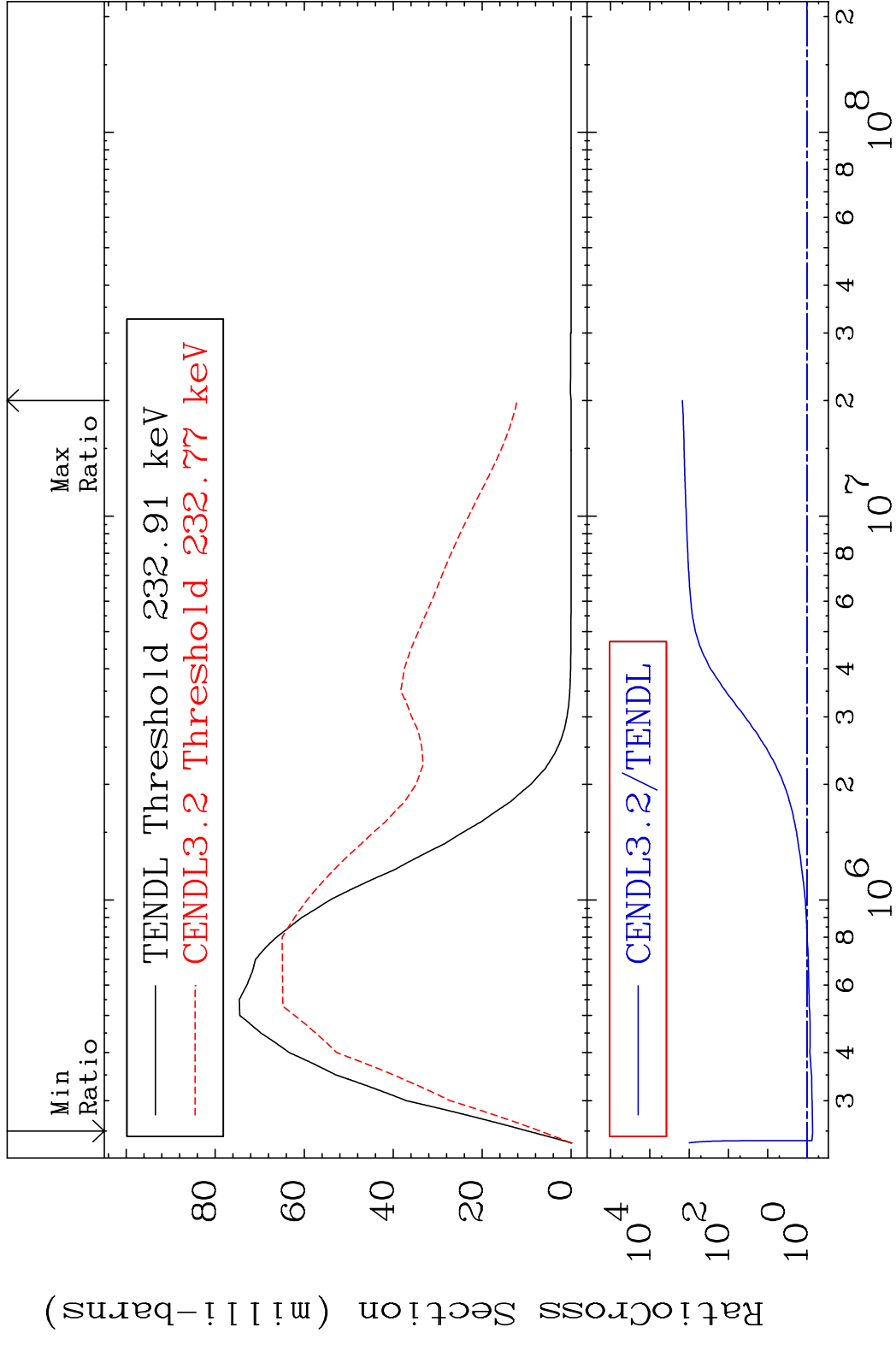
MAT 9443 MT= 56 (n, n') Level 94-Pu-241
 Cross Section -35.50 To 9999. %



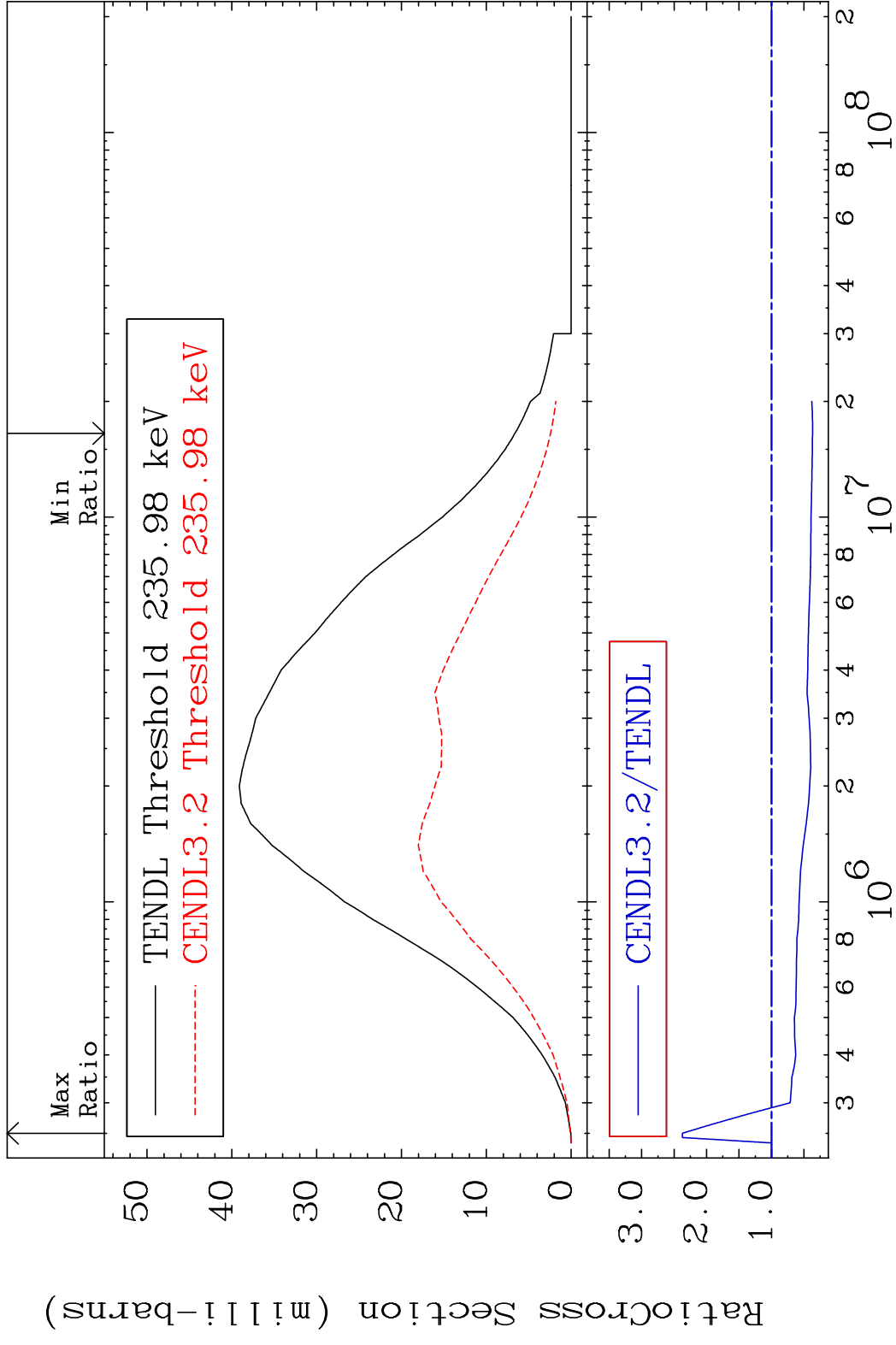
MAT 9443 MT= 57 (n, n') Level 94-Pu-241
 Cross Section -100.0 To 22.85 %



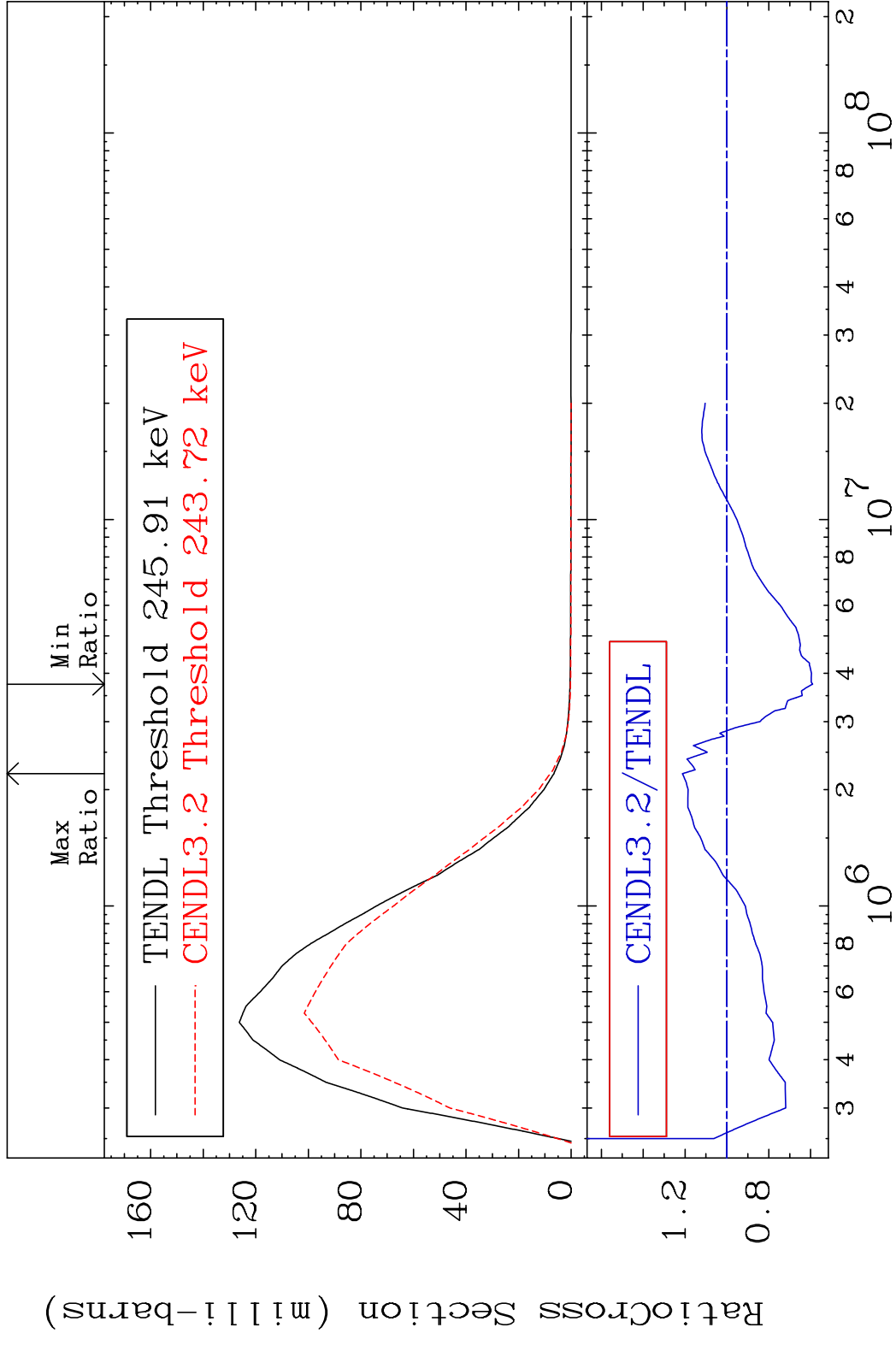
MAT 9443 MT= 58 (n, n') Level 94-Pu-241
 Cross Section -28.65 To 9999. %



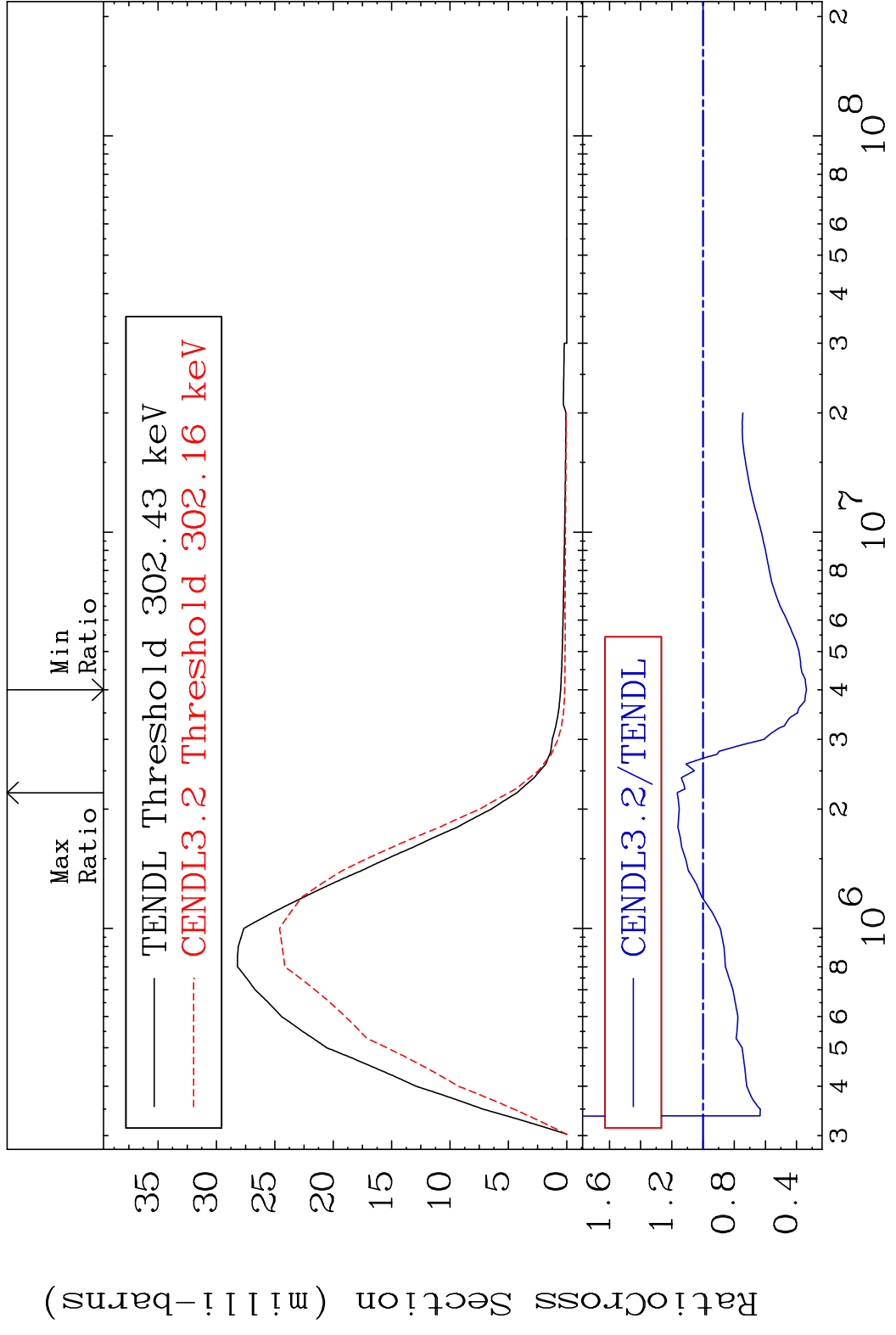
MAT 9443 MT= 59 (n, n') Level 94-Pu-241
 Cross Section -63.27 To 137.3 %



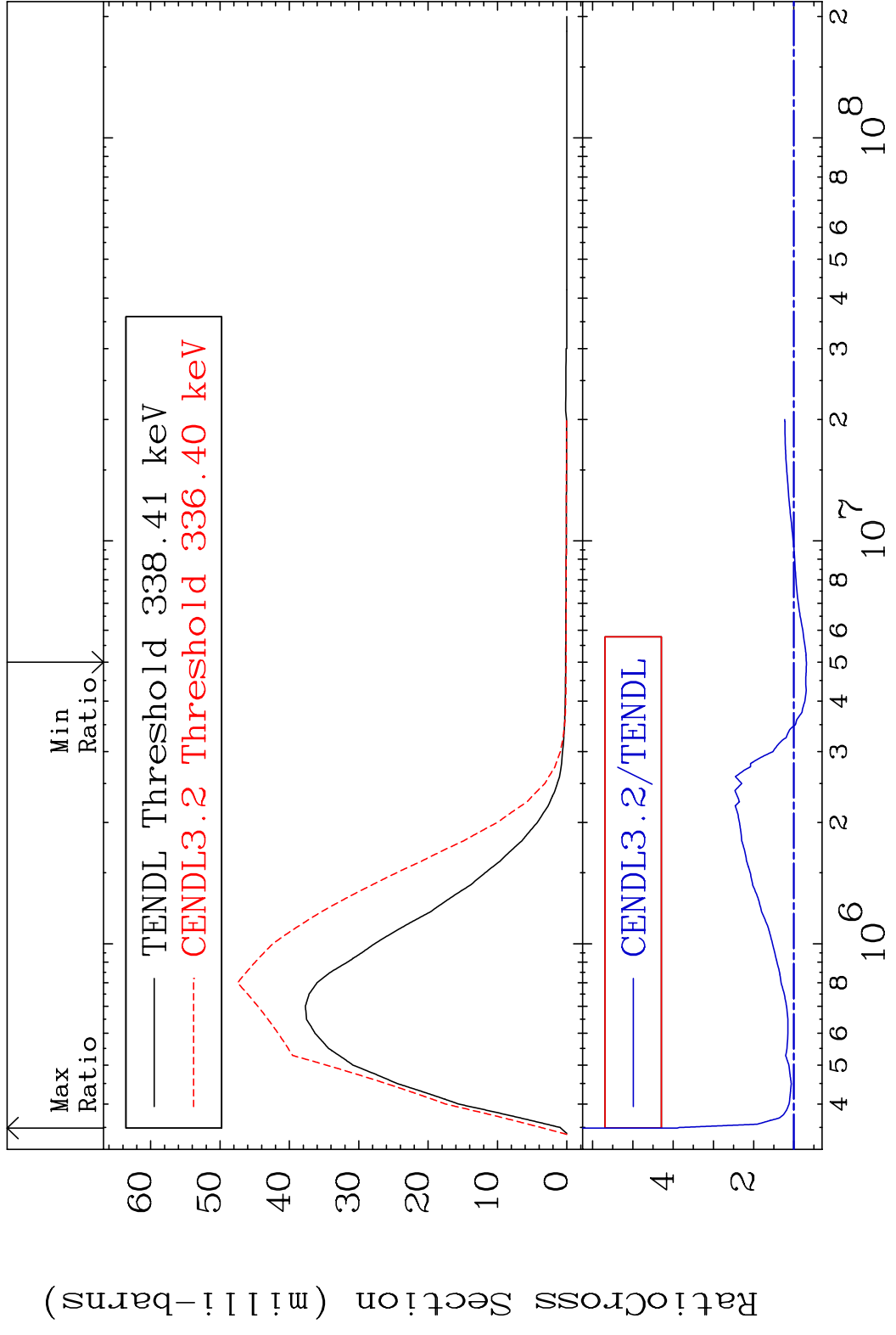
MAT 9443 MT= 60 (n, n') Level 94-Pu-241
 Cross Section -40.93 To 21.29 %



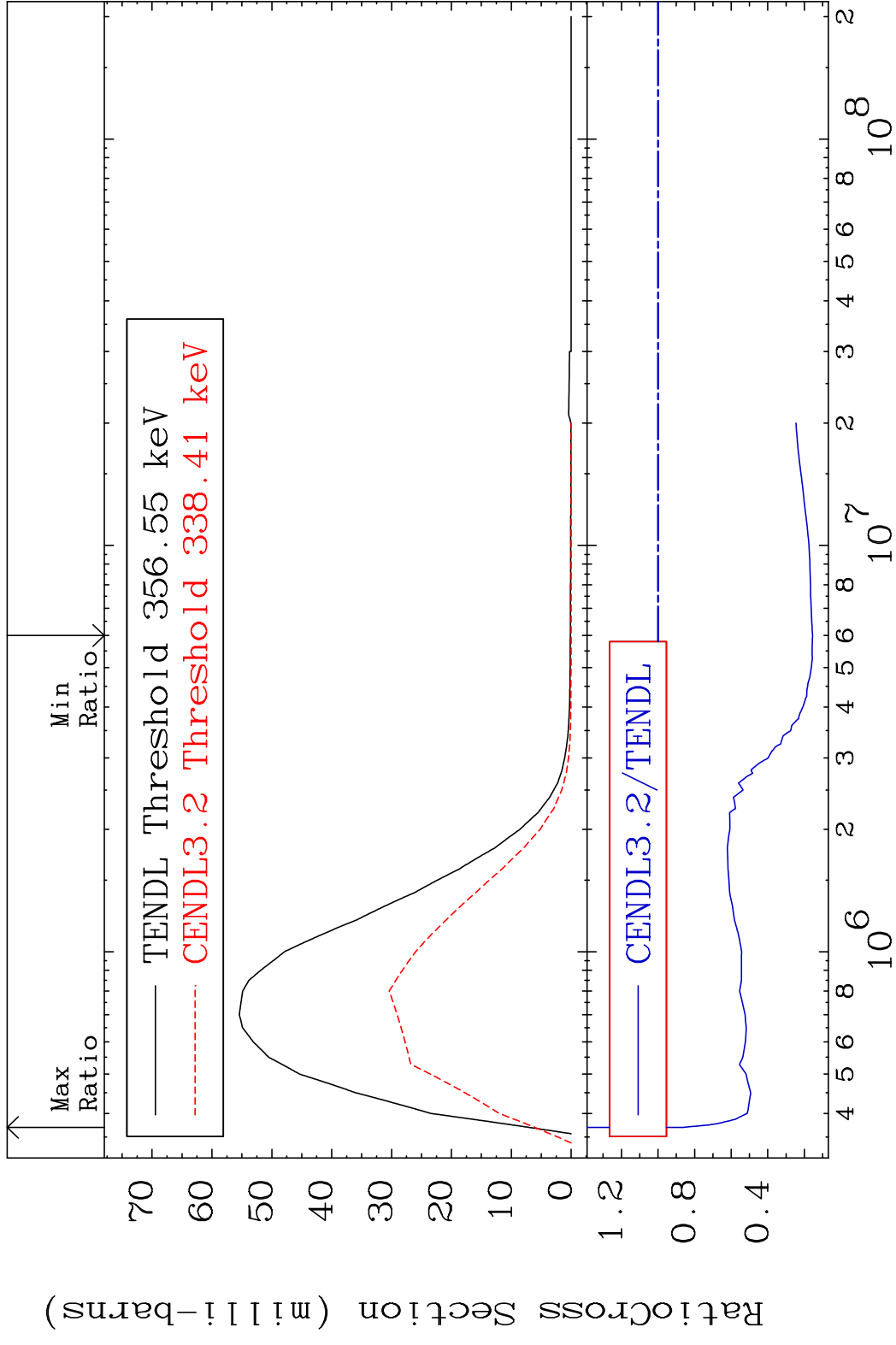
MAT 9443 MT= 61 (n, n') Level 94-Pu-241
 Cross Section -66.30 To 16.56 %



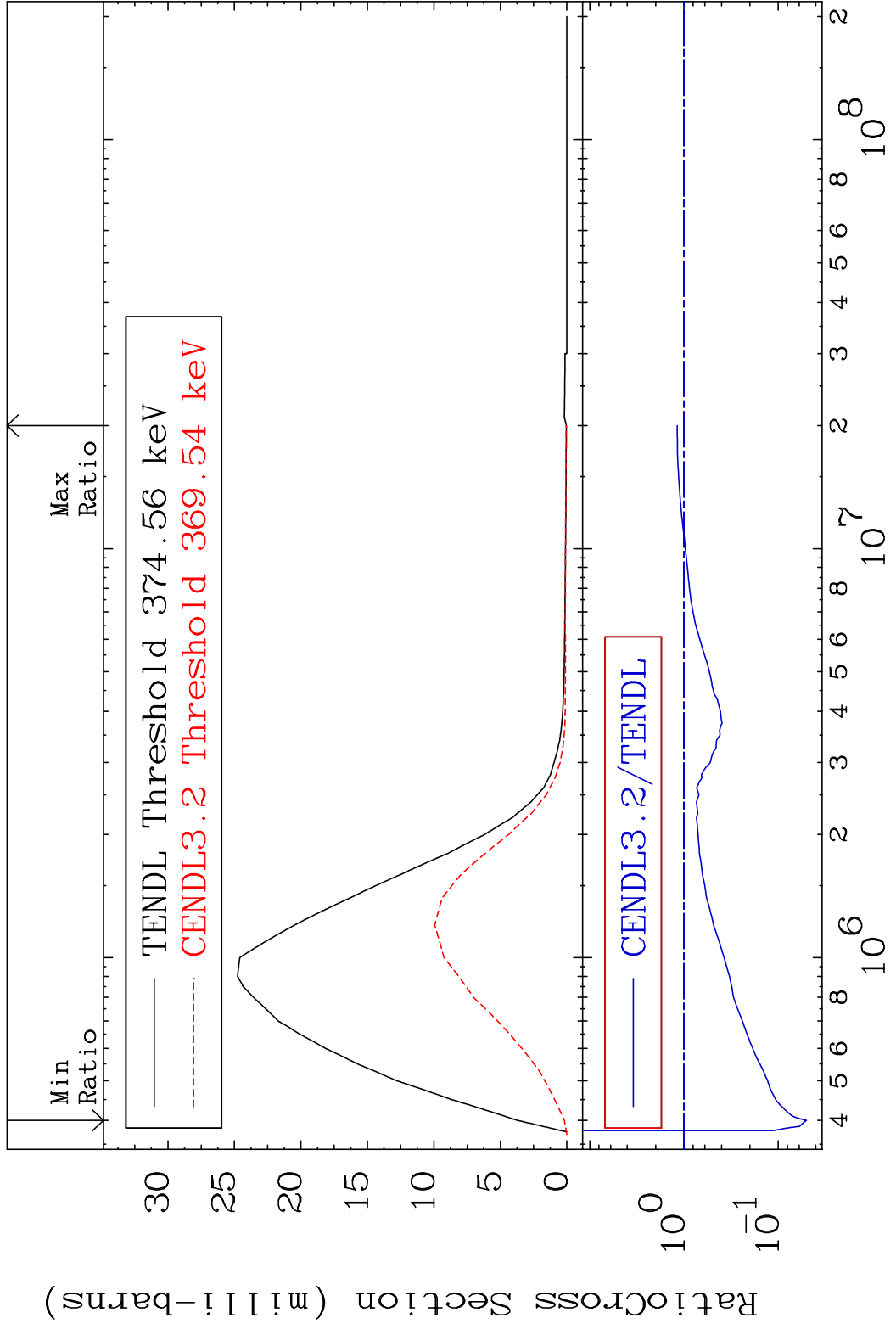
MAT 9443 MT= 62 (n, n') Level 94-Pu-241
 Cross Section -31.10 To 289.8 %



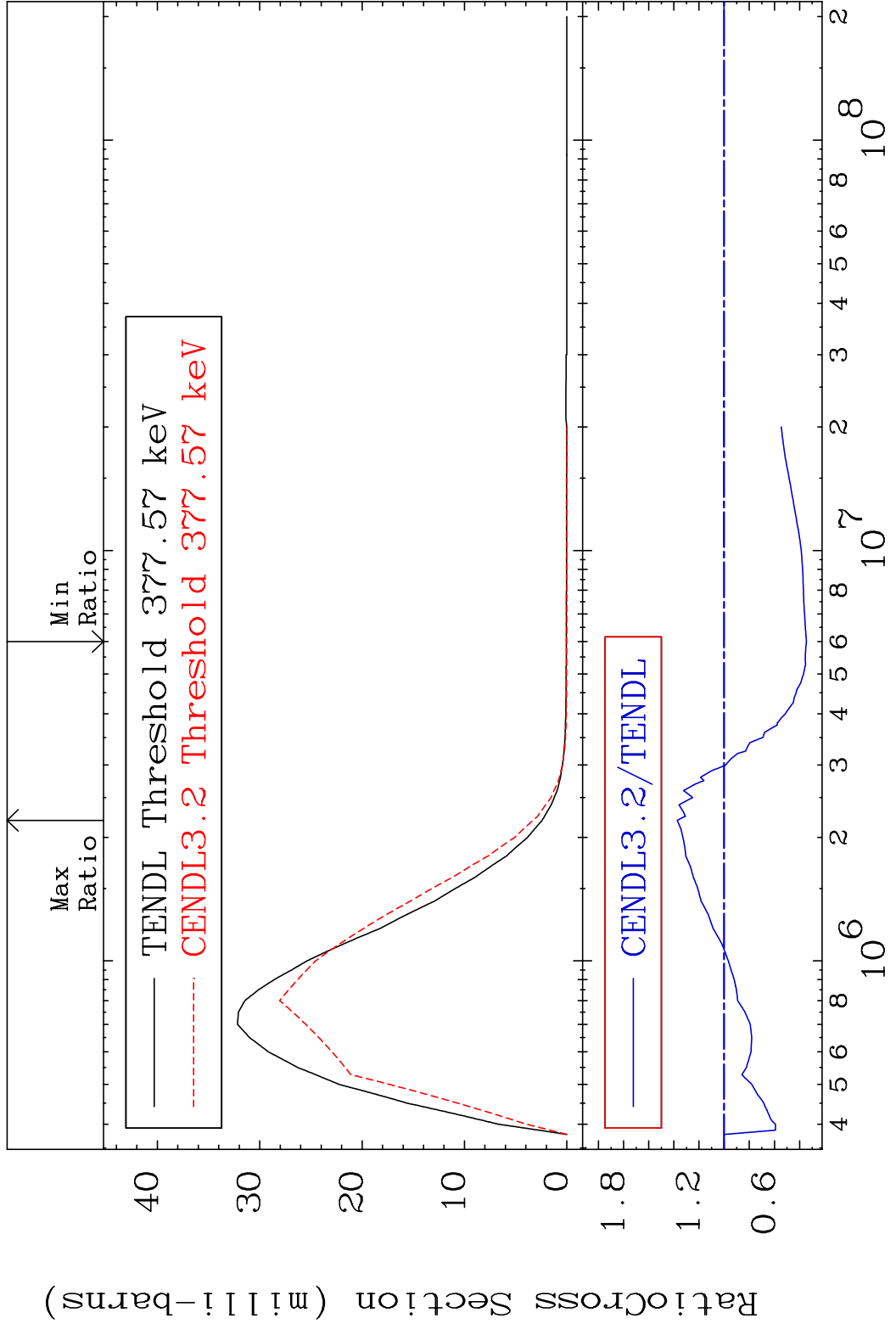
MAT 9443 MT= 63 (n, n') Level 94-Pu-241
 Cross Section -84.46 To -13.31%



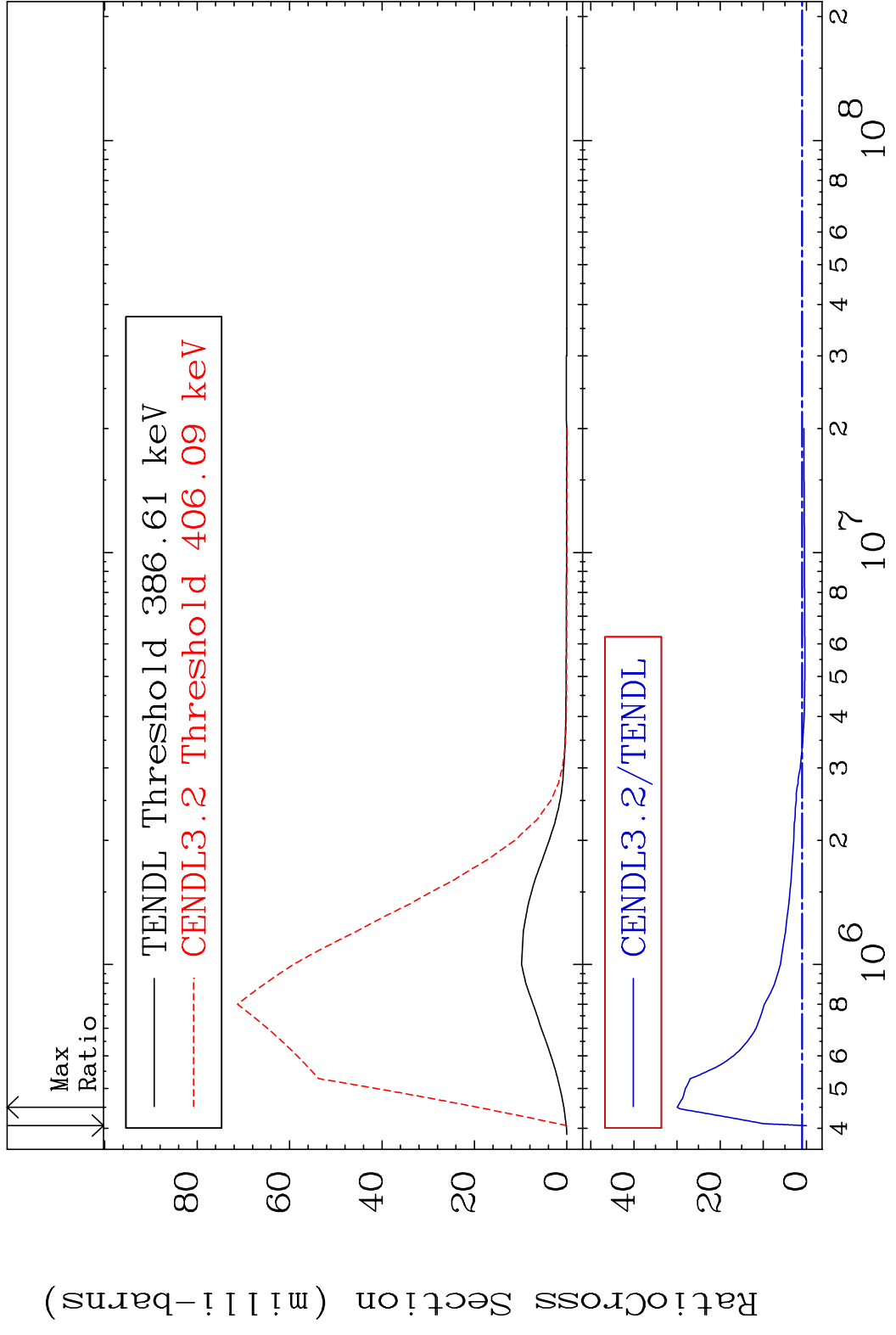
MAT 9443 MT= 64 (n, n') Level 94-Pu-241
 Cross Section -94.98 To 18.09 %



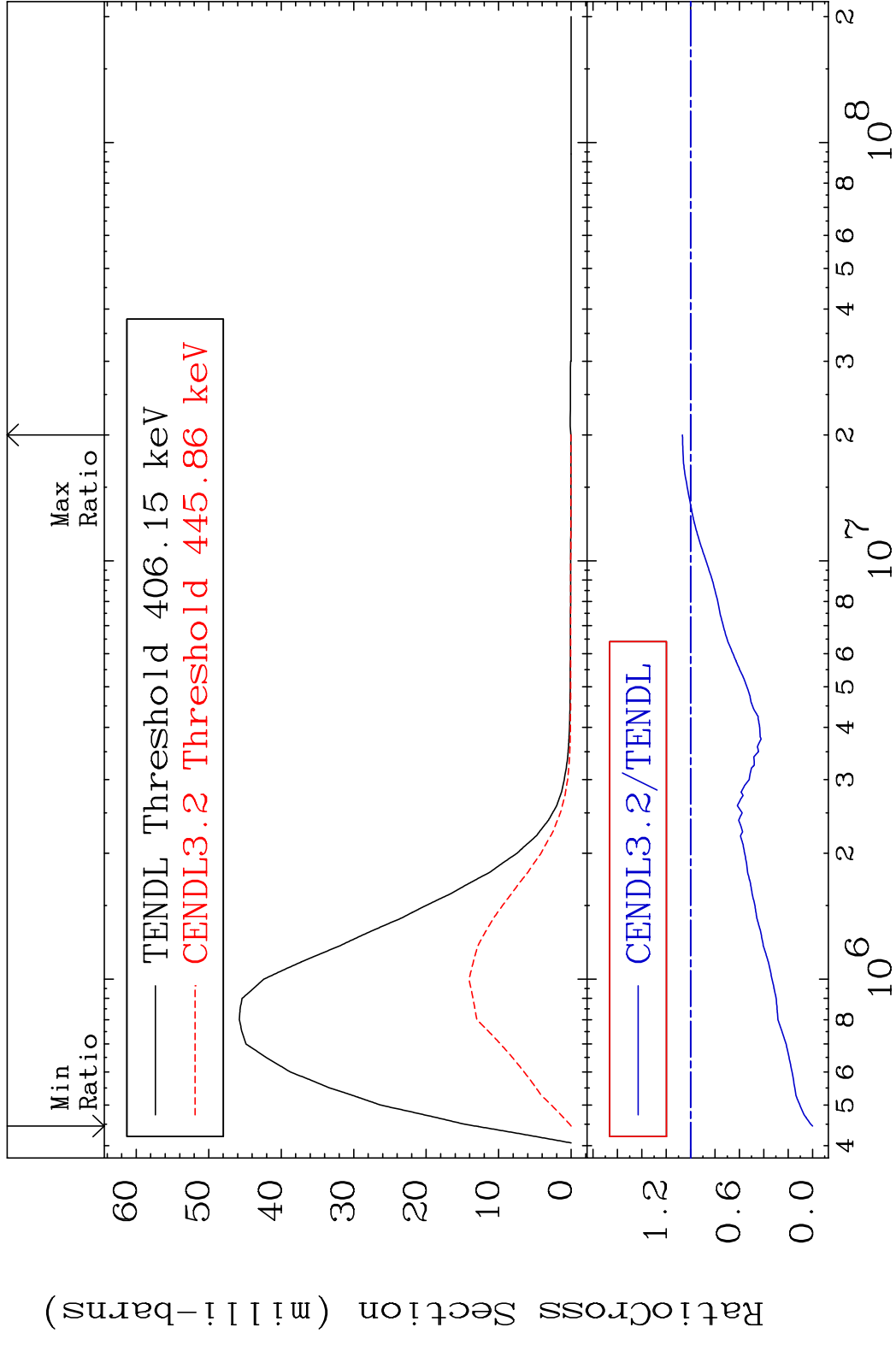
MAT 9443 MT= 65 (n, n') Level 94-Pu-241
 Cross Section -65.43 To 37.37 %



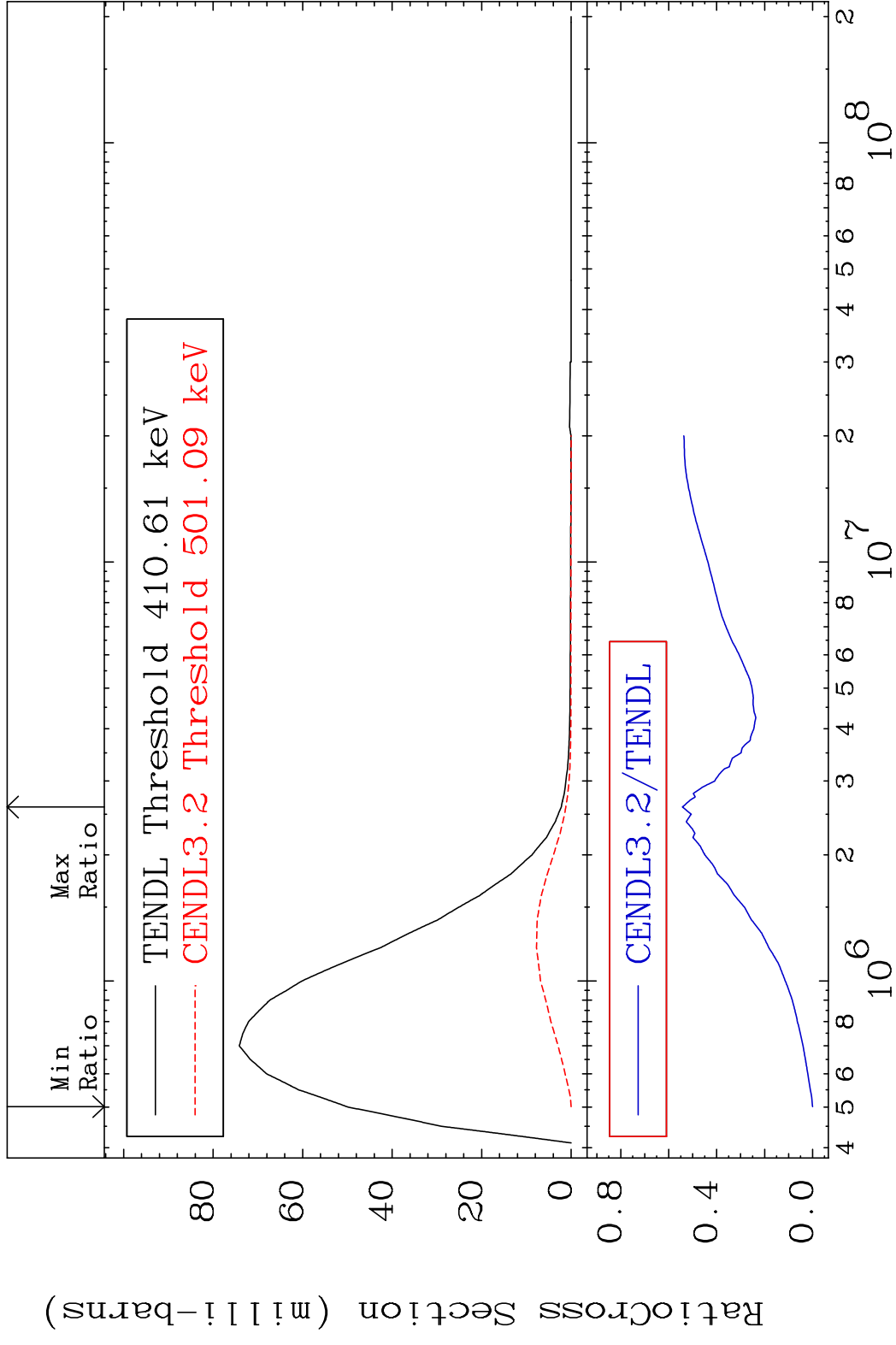
MAT 9443 MT= 66 (n,n') Level 94-Pu-241
 Cross Section -100.0 To 2896. %



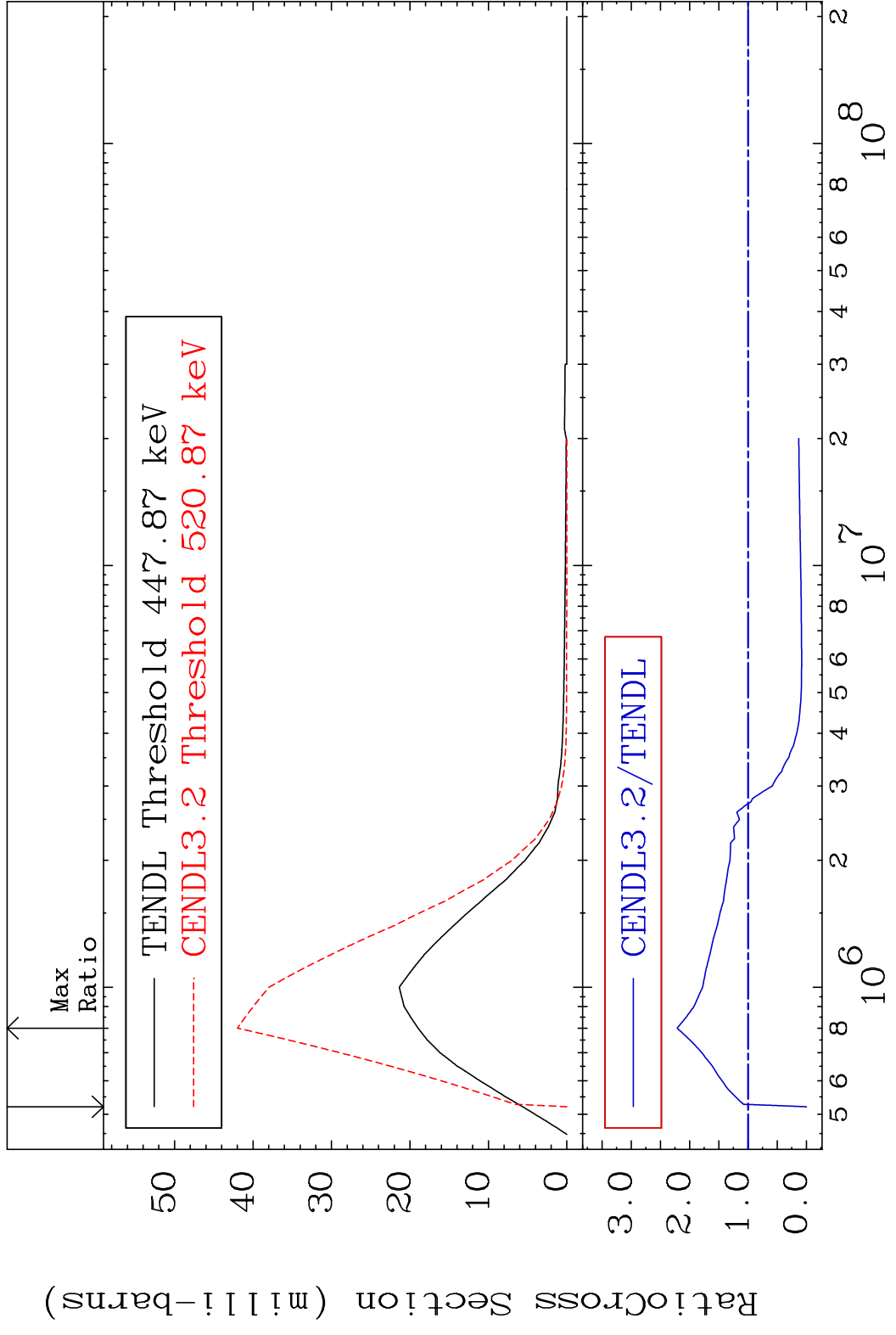
MAT 9443 MT= 67 (n, n') Level 94-Pu-241
 Cross Section -100.0 To 6.781 %



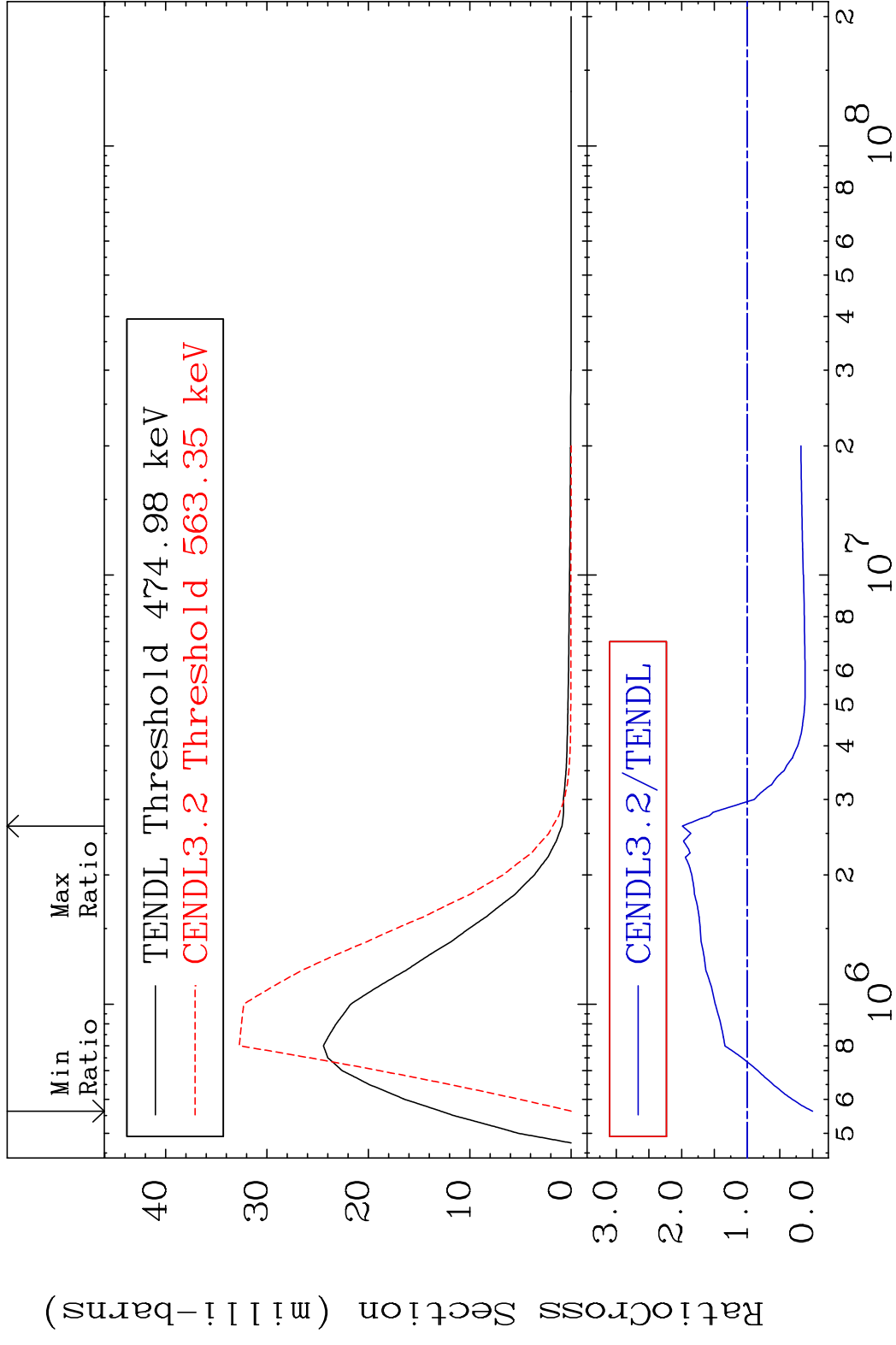
MAT 9443 MT= 68 (n, n') Level 94-Pu-241
 Cross Section -100.0 To -45.69%



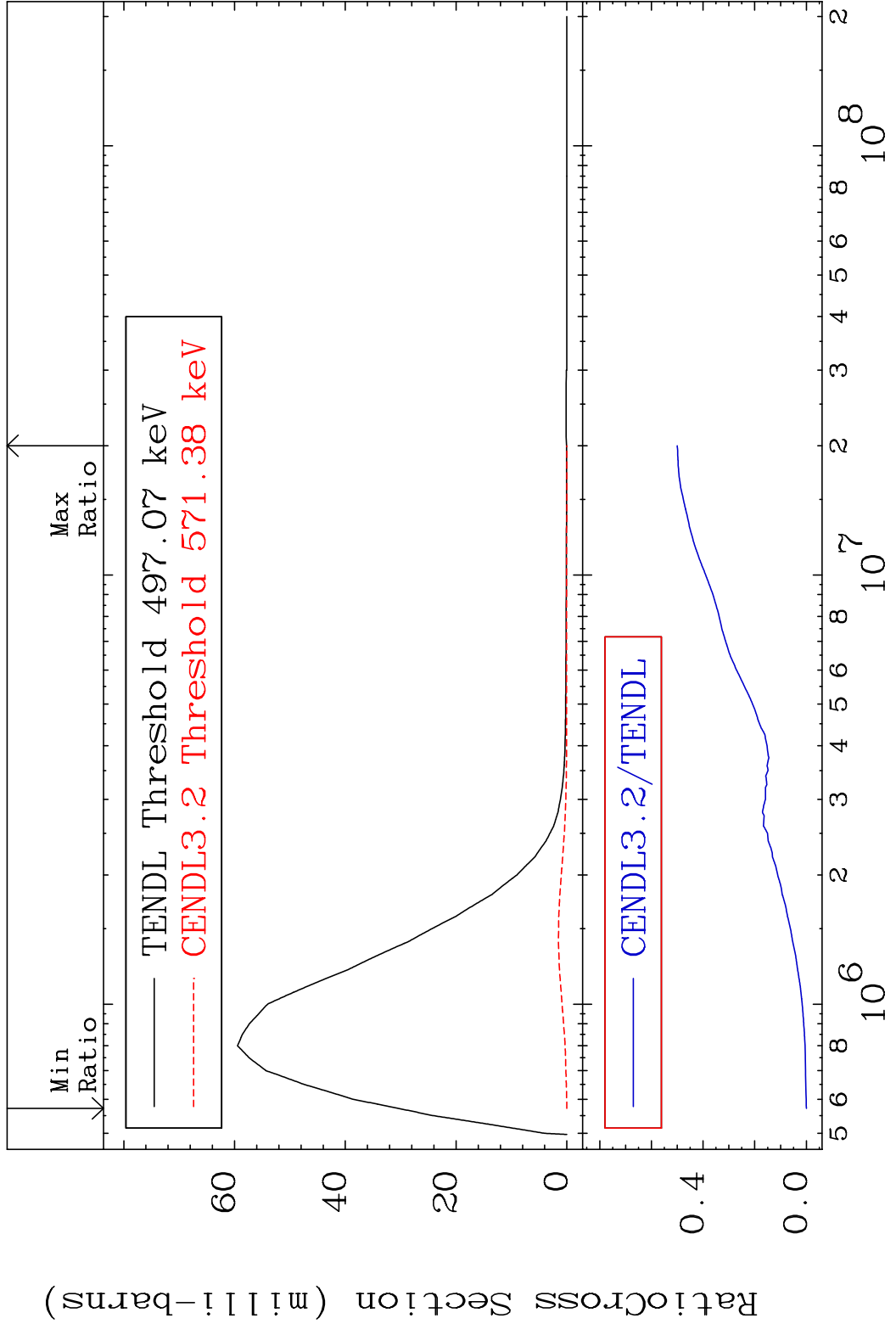
MAT 9443 MT= 69 (n, n') Level 94-Pu-241
 Cross Section -100.0 To 121.3 %



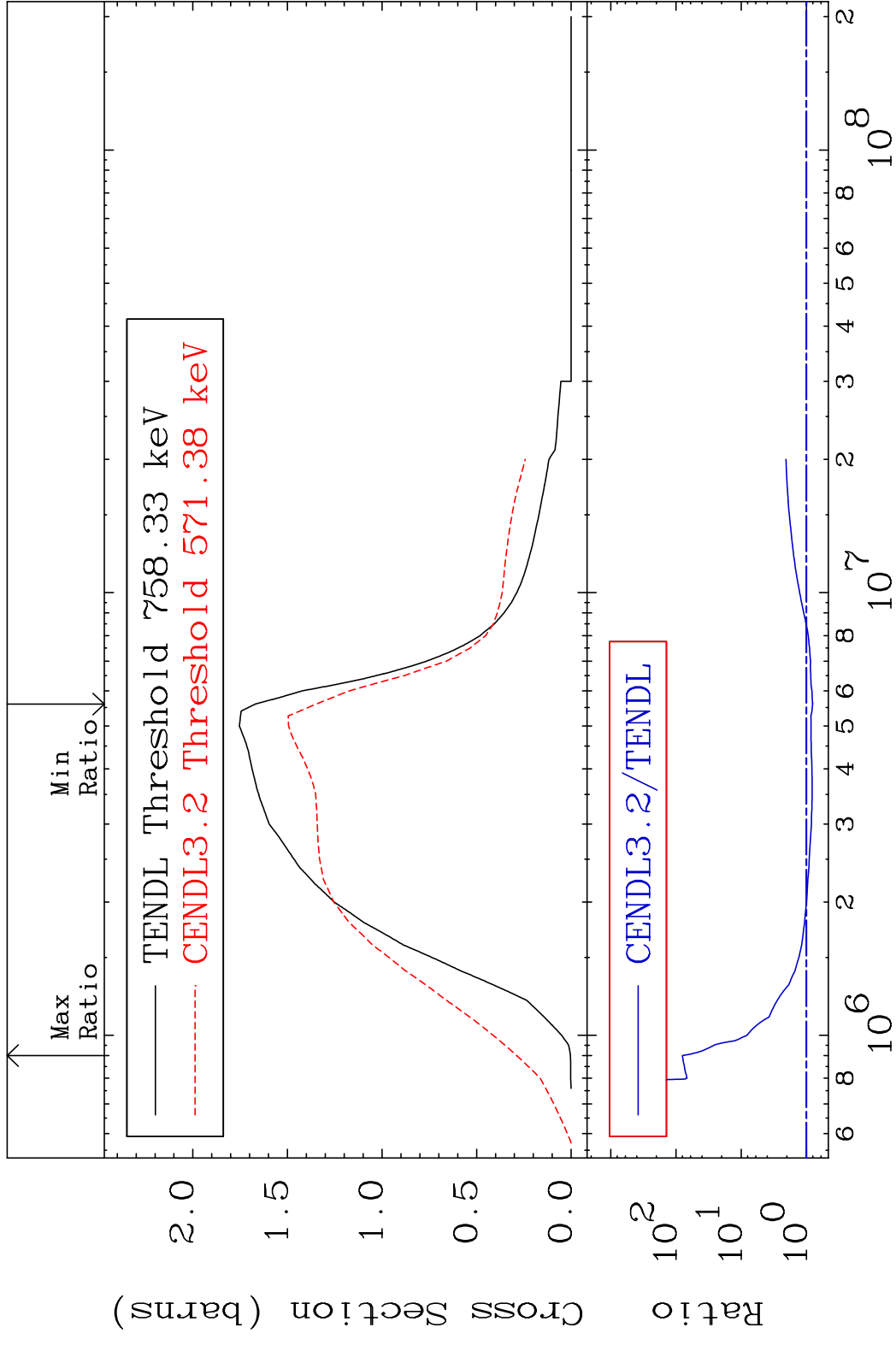
MAT 9443 MT= 70 (n, n') Level 94-Pu-241
 Cross Section -100.0 To 98.94 %



MAT 9443 MT= 71 (n, n') Level 94-Pu-241
 Cross Section -100.0 To -49.99%



MAT 9443 (n, n') Continuum 94-Pu-241
 Cross Section -19.31 To 7913. %

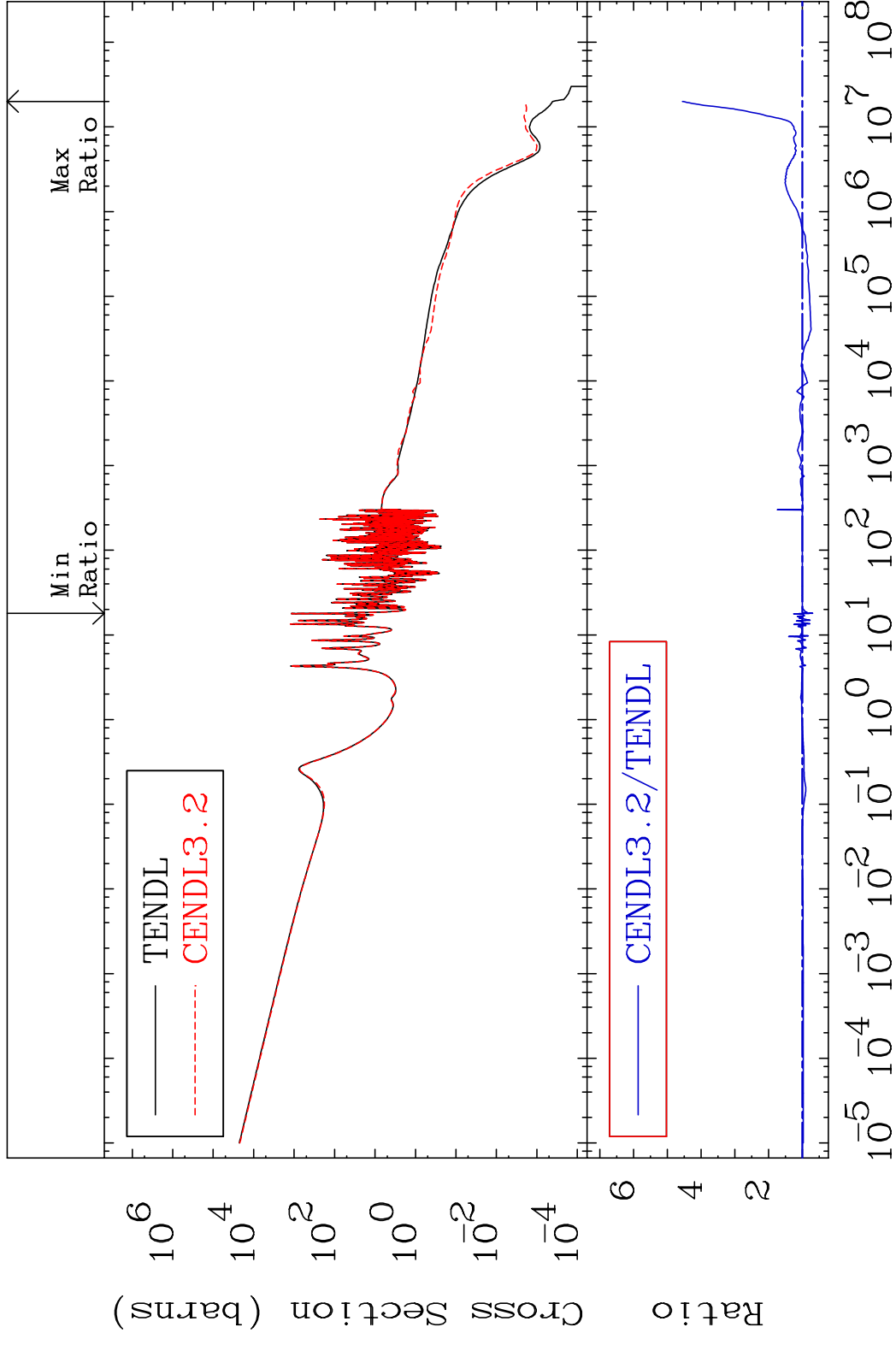


MAT 9443

(n, γ)

94-Pu-241

Cross Section -30.45 To 355.3 %



29

Incident Energy (eV)

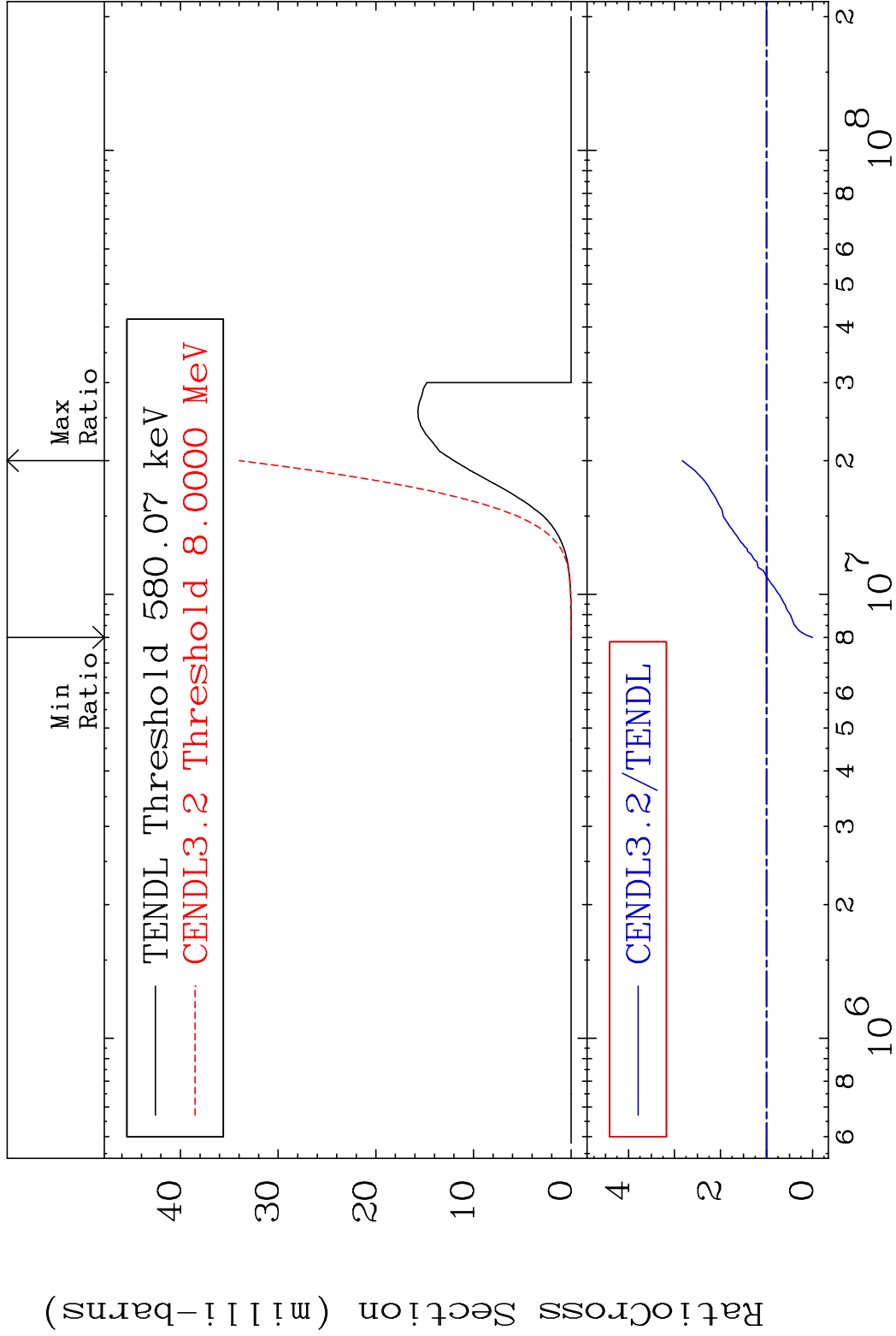
94-Pu-241

MAT 9443

(n, p)

94-Pu-241

Cross Section -100.0 To 182.9 %



30

Incident Energy (eV)

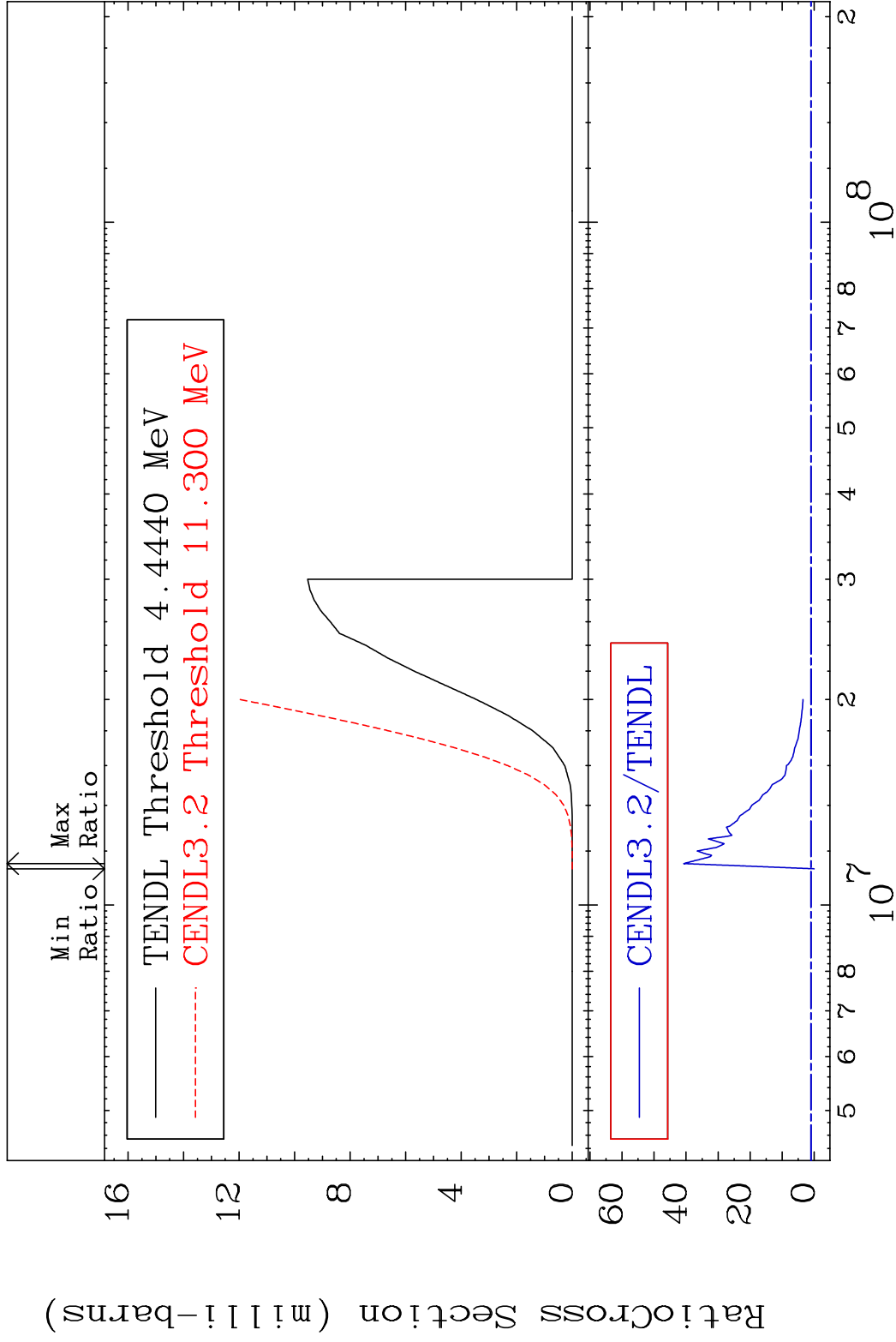
94-Pu-241

MAT 9443

(n, d)

94-Pu-241

Cross Section -100.0 To 3976. %

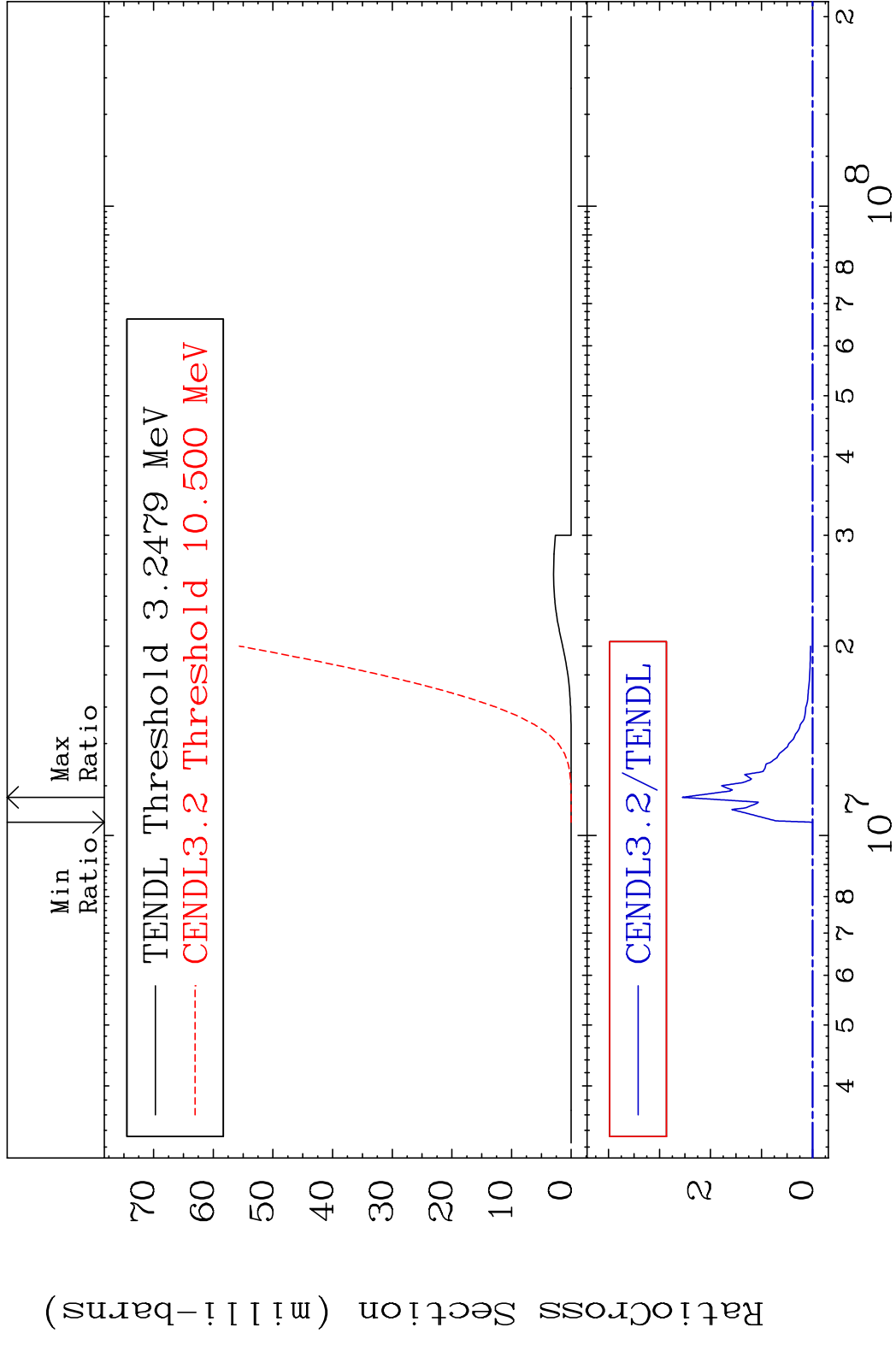


31

Incident Energy (eV)

94-Pu-241

MAT 9443 (n, t) 94-Pu-241
 Cross Section -100.0 To 9999. %

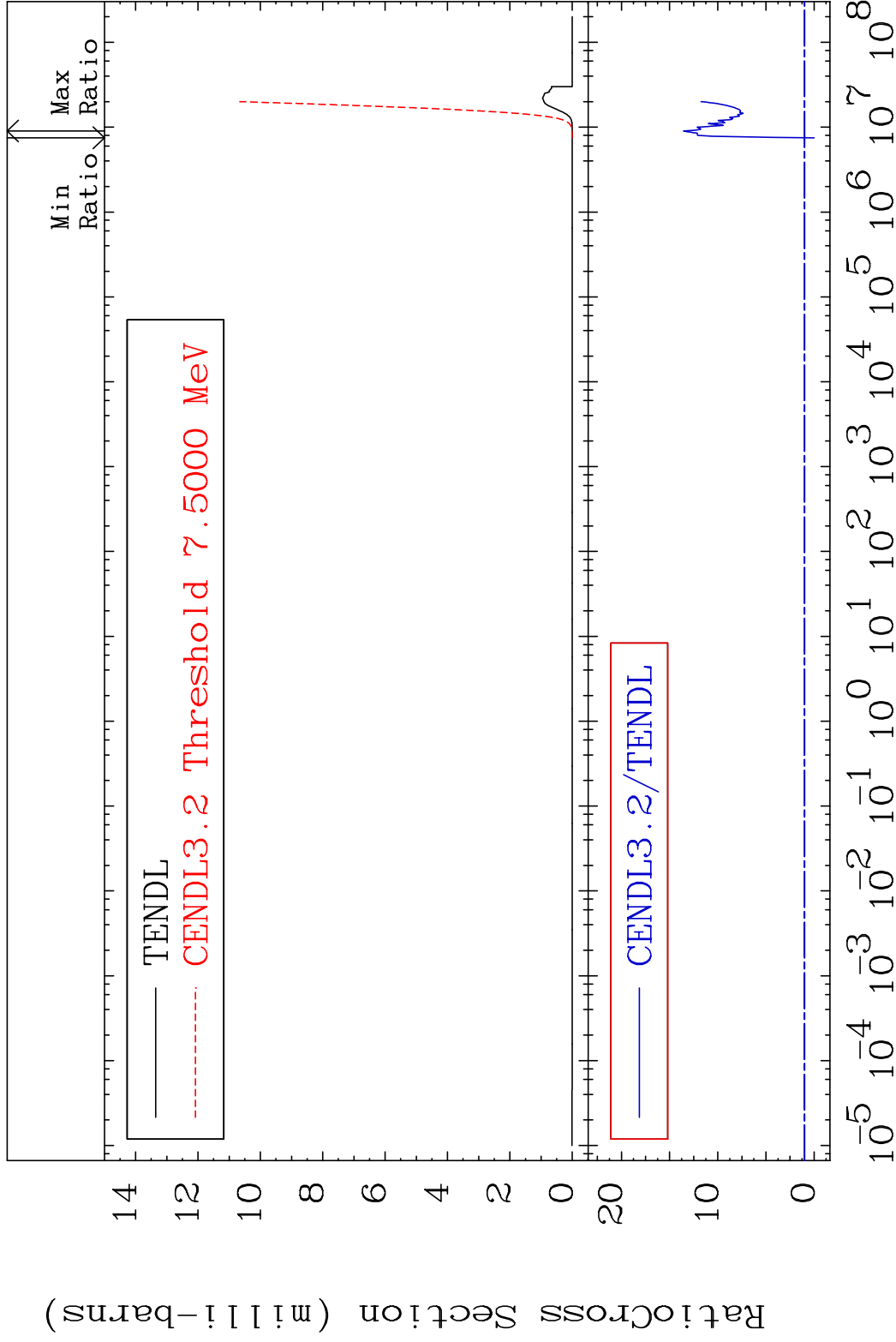


MAT 9443

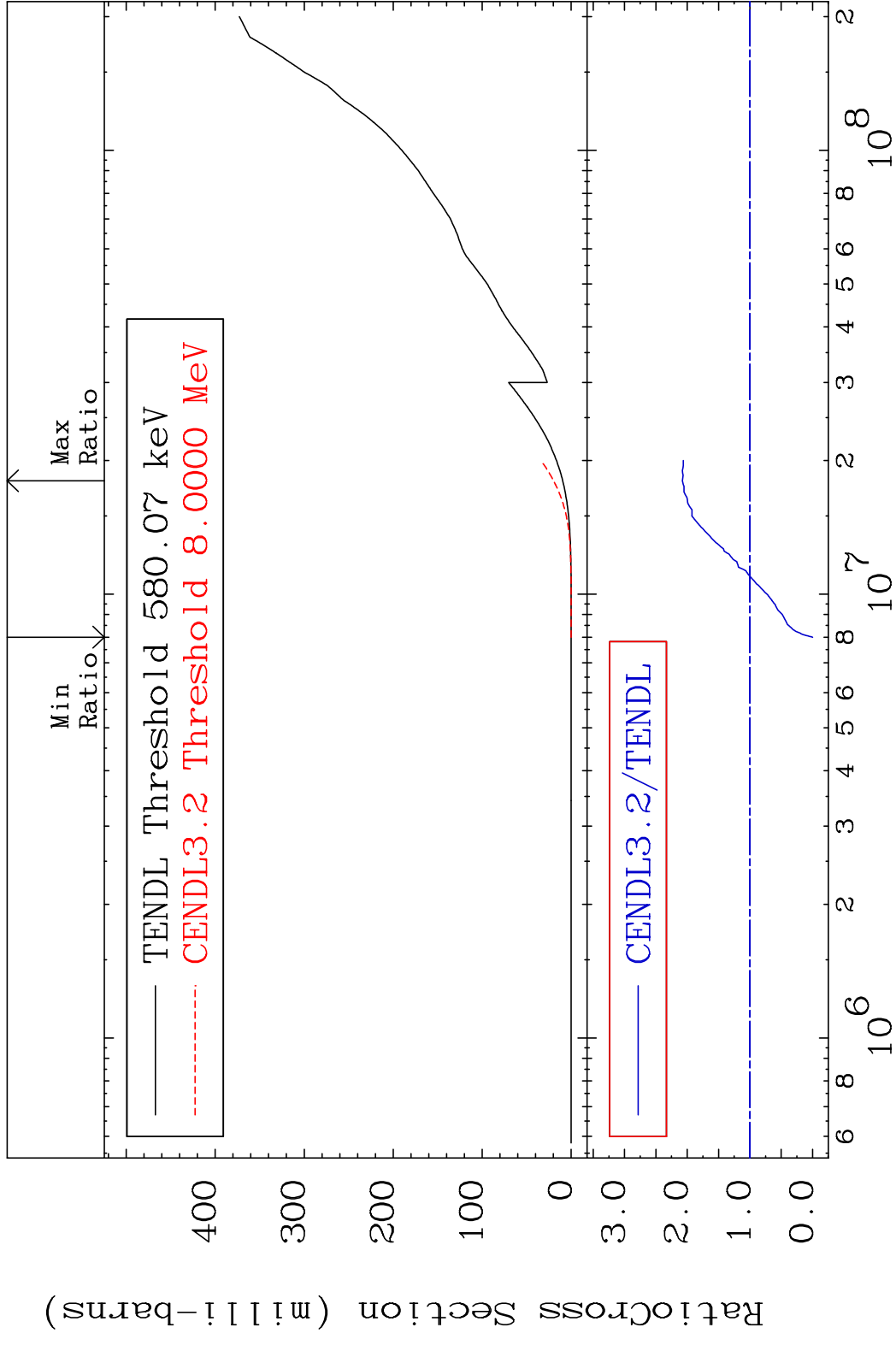
(n, α)

94-Pu-241

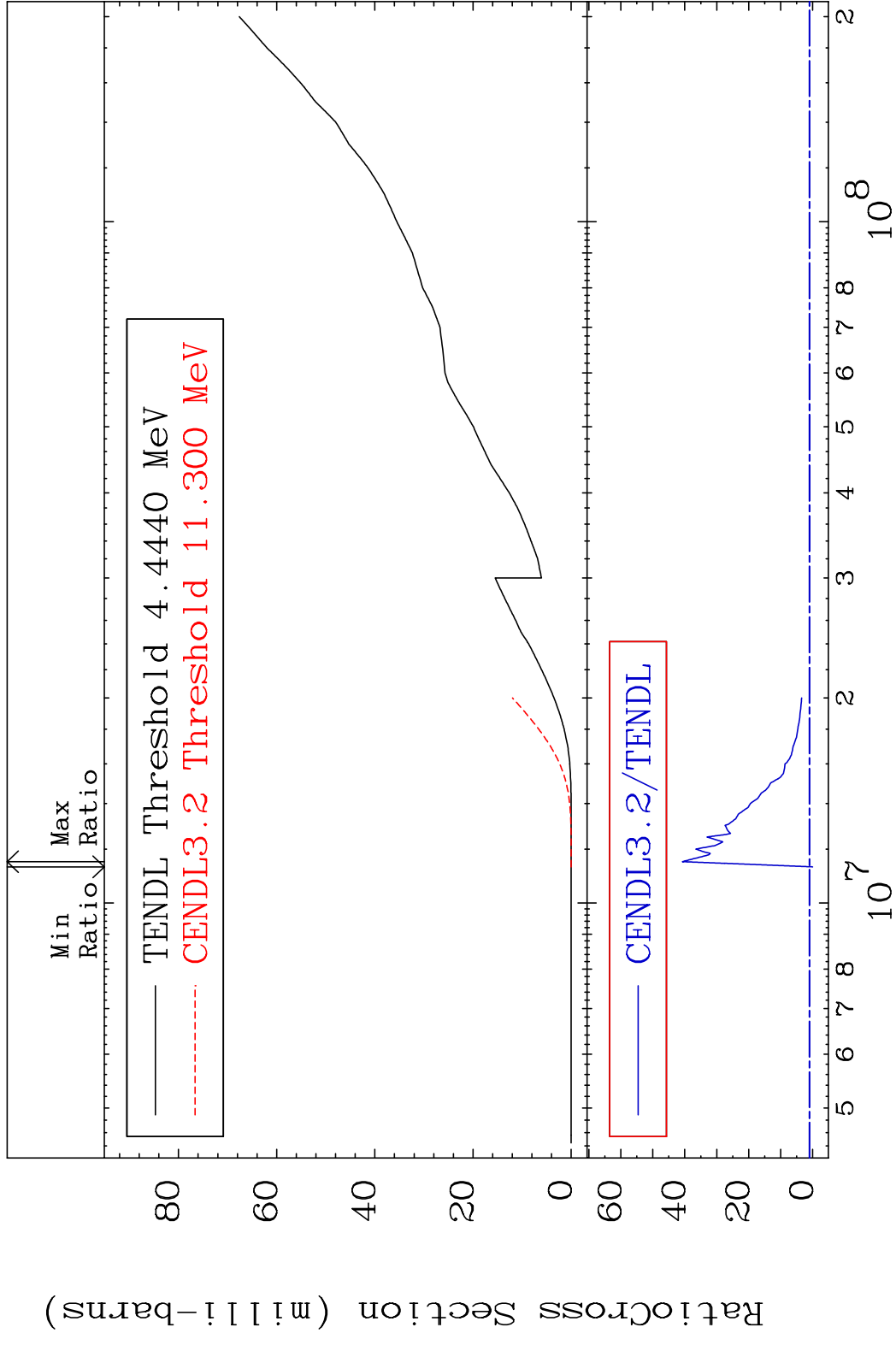
Cross Section -100.0 To 1254. %



MAT 9443 Hydrogen Production 94-Pu-241
 Cross Section -100.0 To 107.7 %



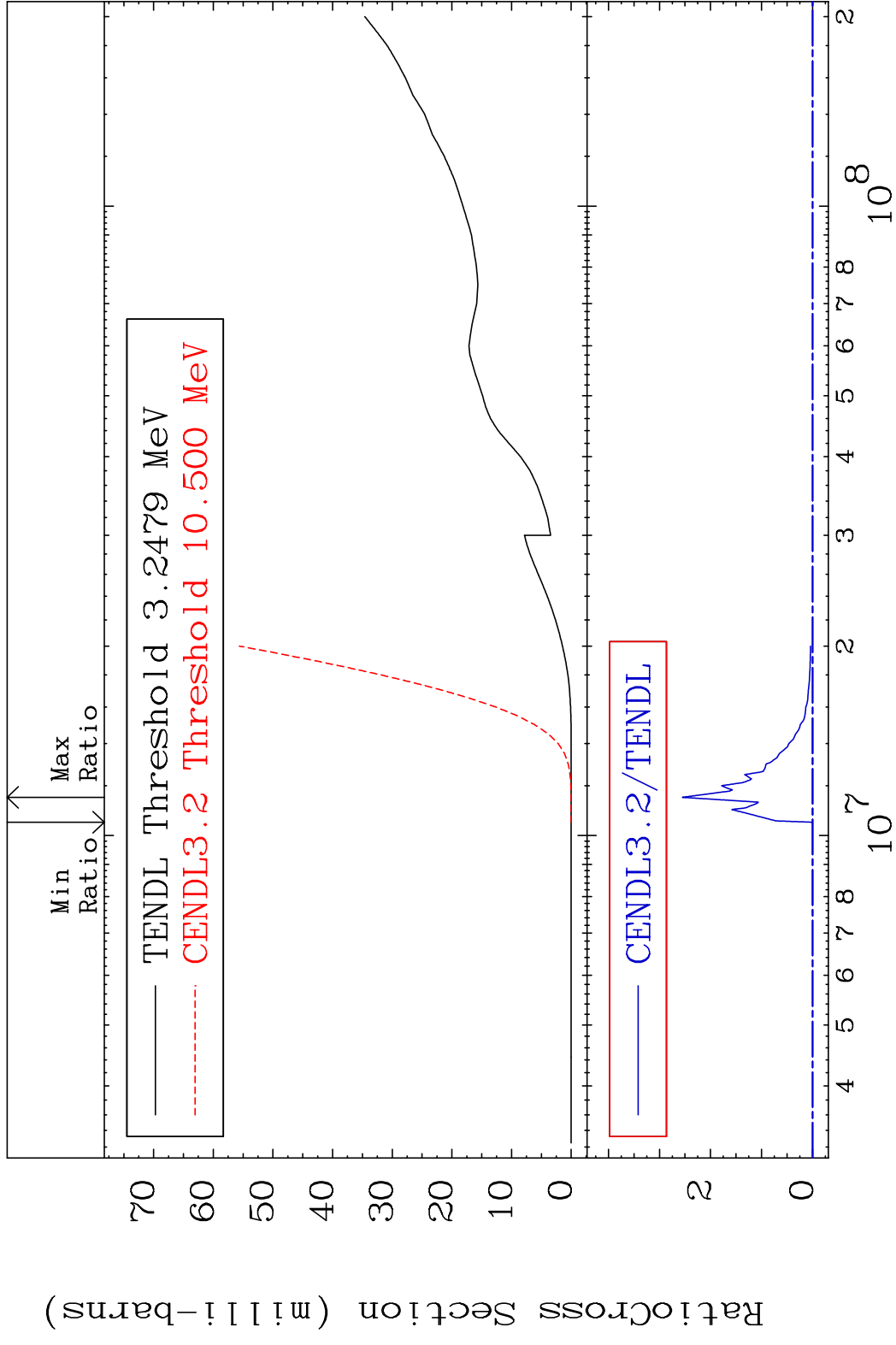
MAT 9443 Deuterium Production 94-Pu-241
 Cross Section -100.0 To 3976. %



35 Incident Energy (eV) 94-Pu-241

MAT 9443

Tritium Production 94-Pu-241
Cross Section -100.0 To 9999. %

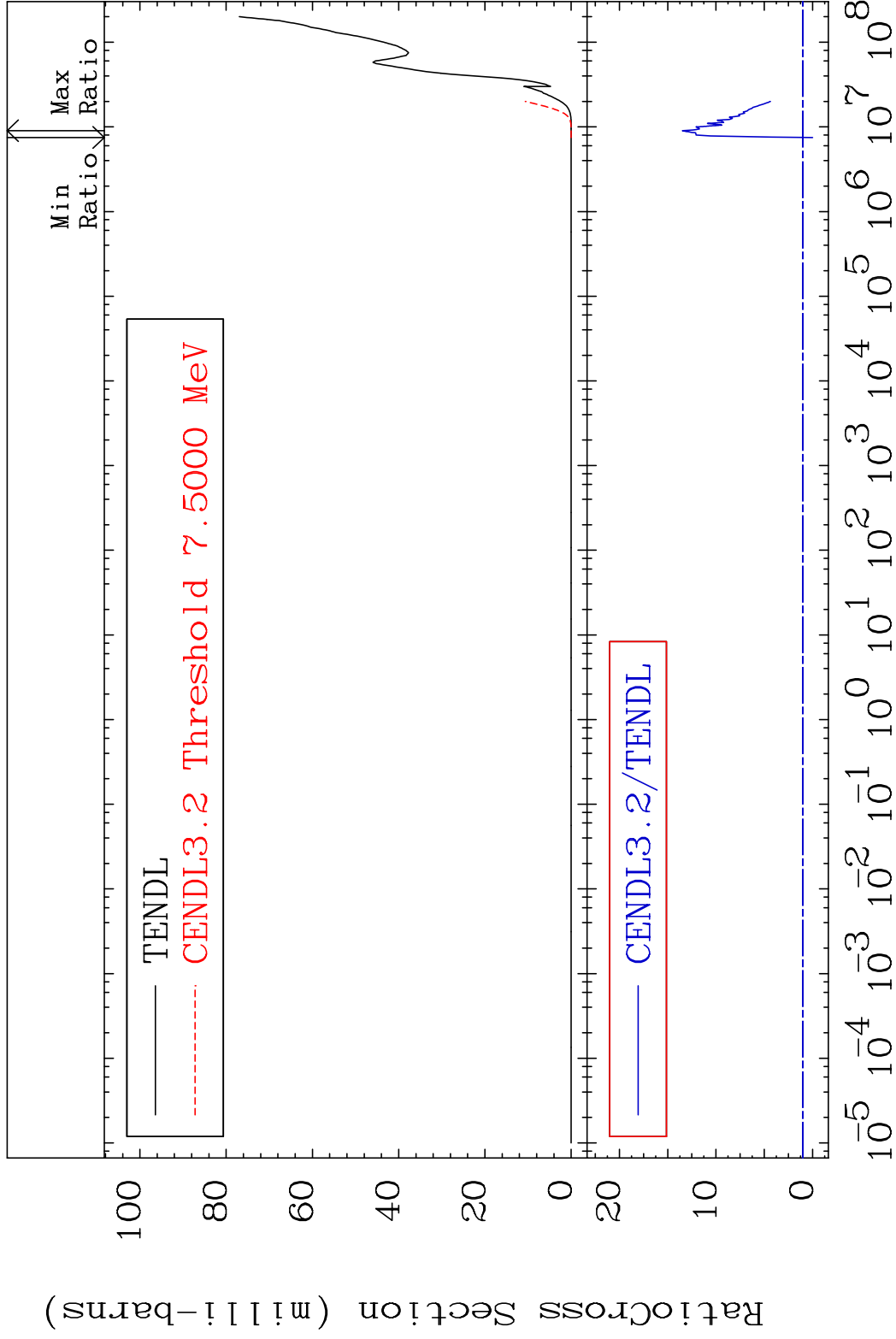


MAT 9443

He-4 Production

94-Pu-241

Cross Section -100.0 To 1248. %

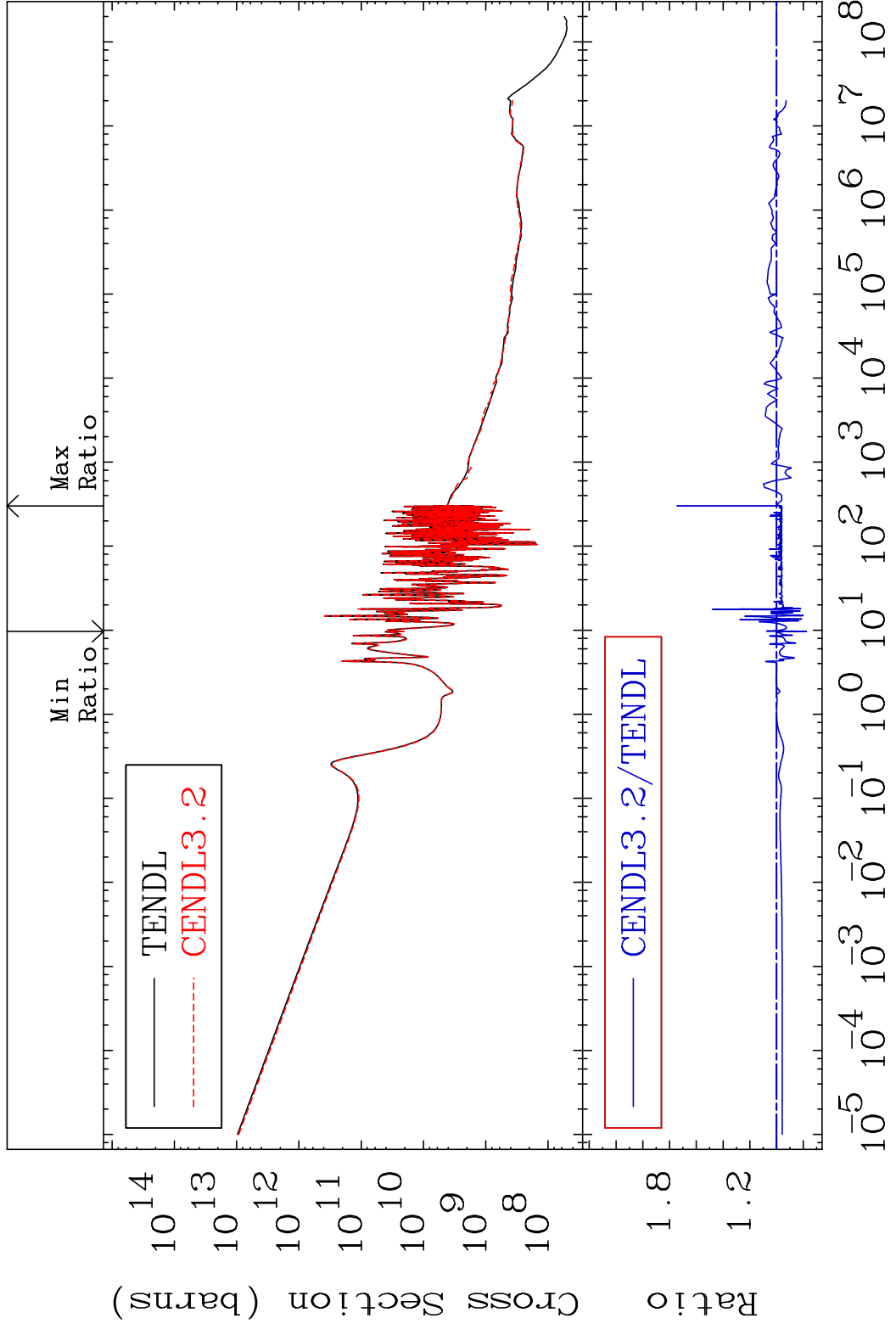


37

Incident Energy (eV)

94-Pu-241

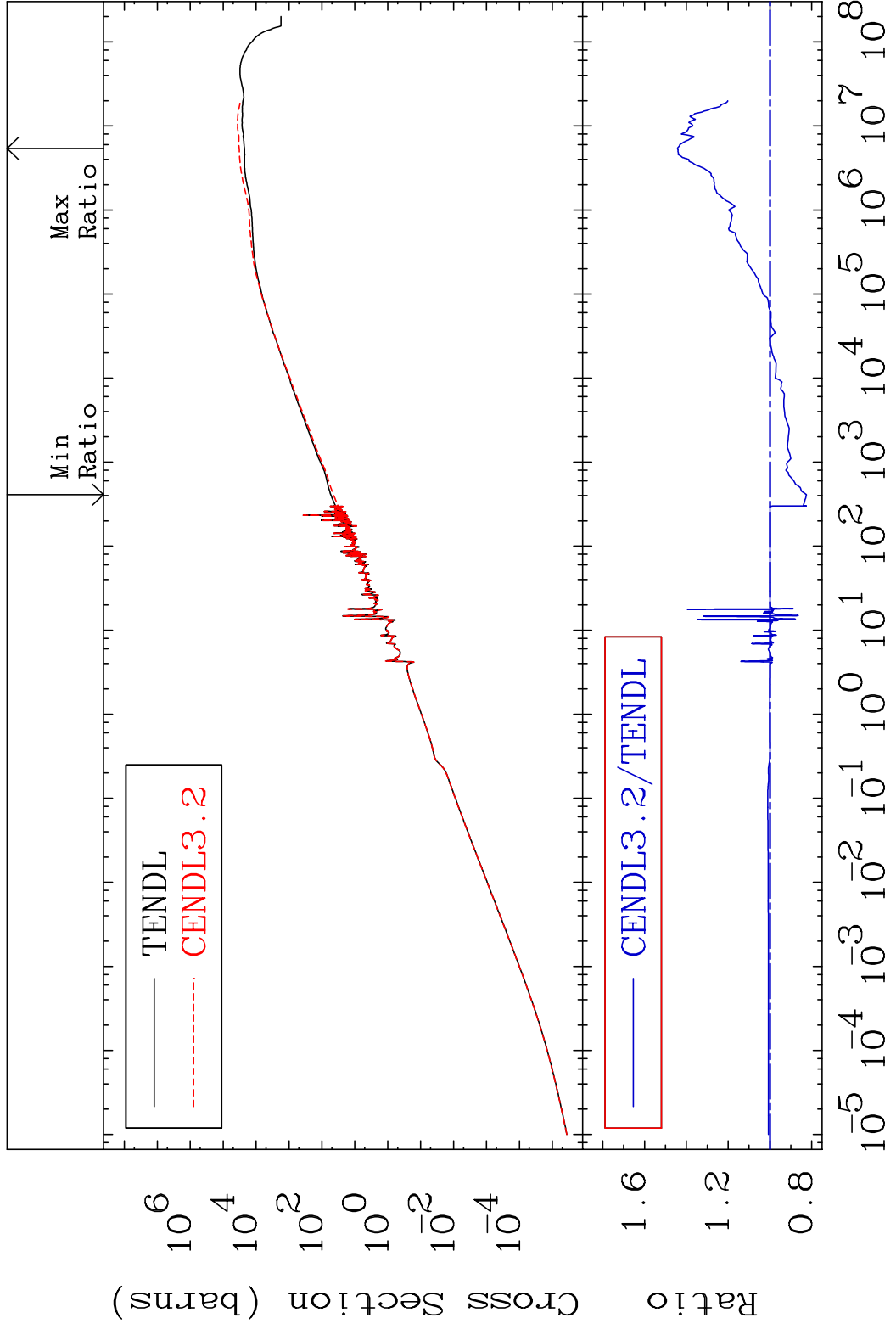
MAT 9443 Kerma total (eV-barns) 94-Pu-241
 Cross Section -22.27 To 74.29 %



MAT 9443

Kerma elastic
Cross Section -17.46 To 44.38 %

94-Pu-241

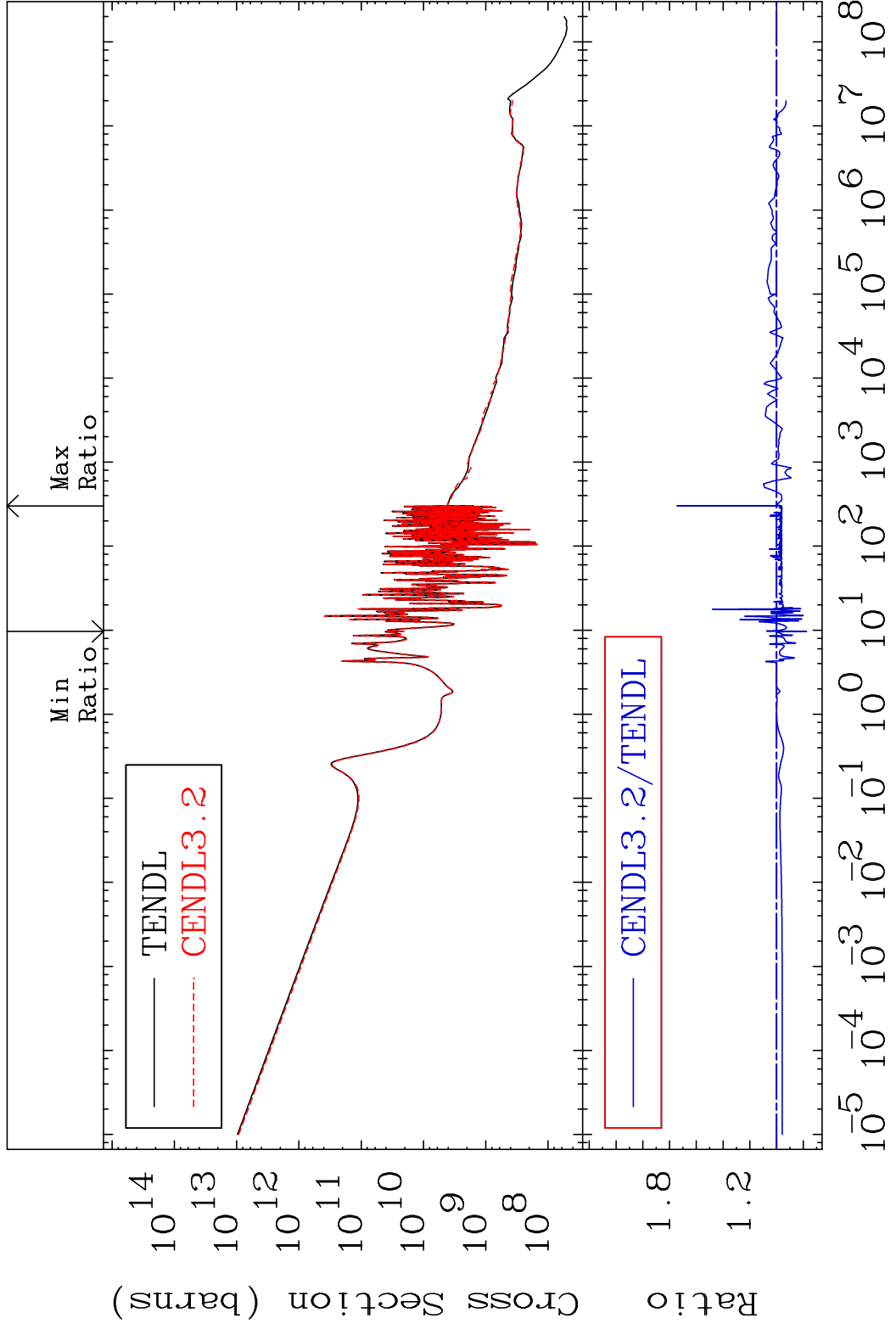


39

Incident Energy (eV)

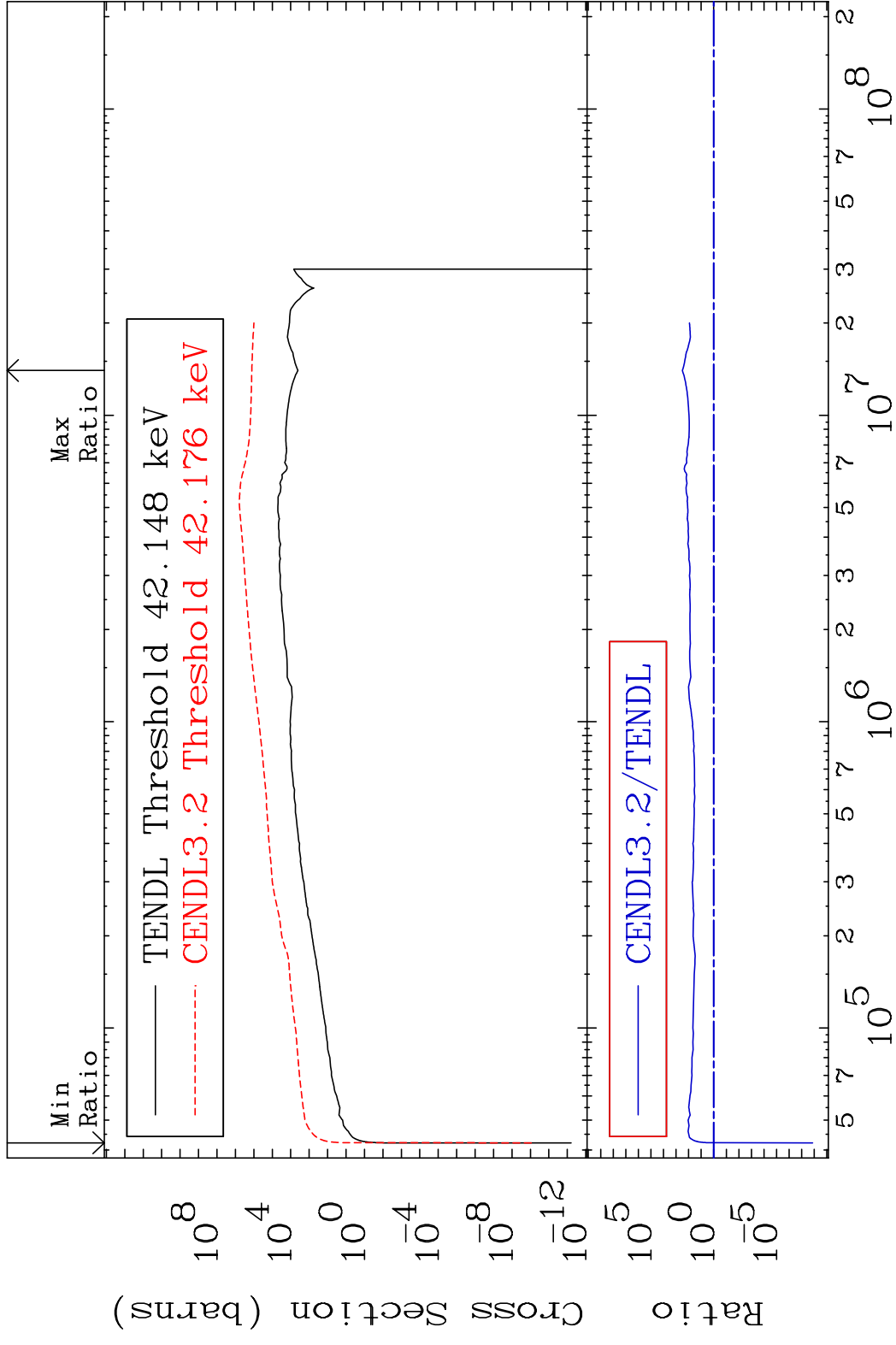
94-Pu-241

MAT 9443 Kerma non-elastic (all but mt2) 94-Pu-241
 Cross Section -22.27 To 74.29 %

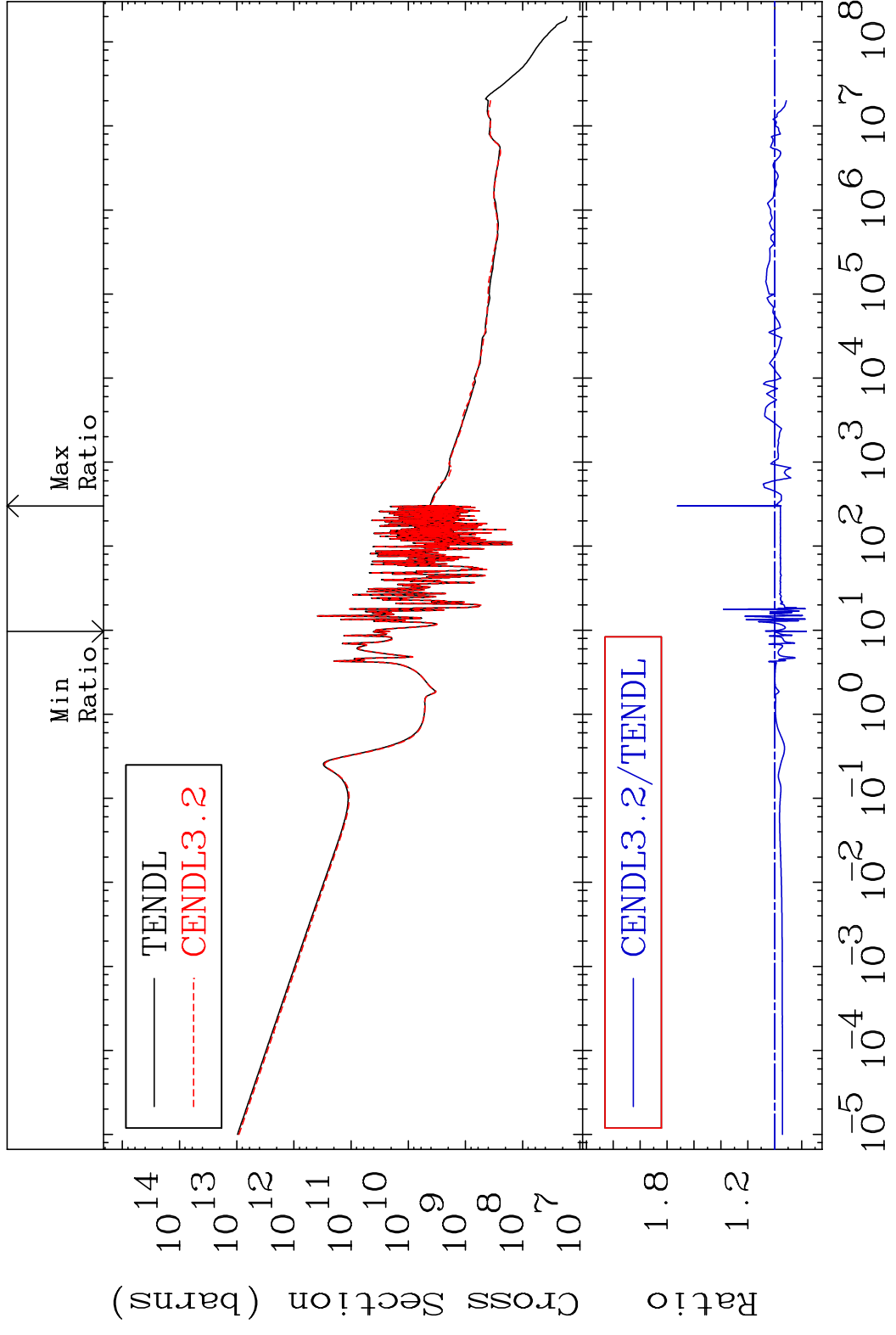


40 Incident Energy (eV) 94-Pu-241

MAT 9443 Kerma inelastic (mt51-91) 94-Pu-241
 Cross Section -100.0 To 9999. %

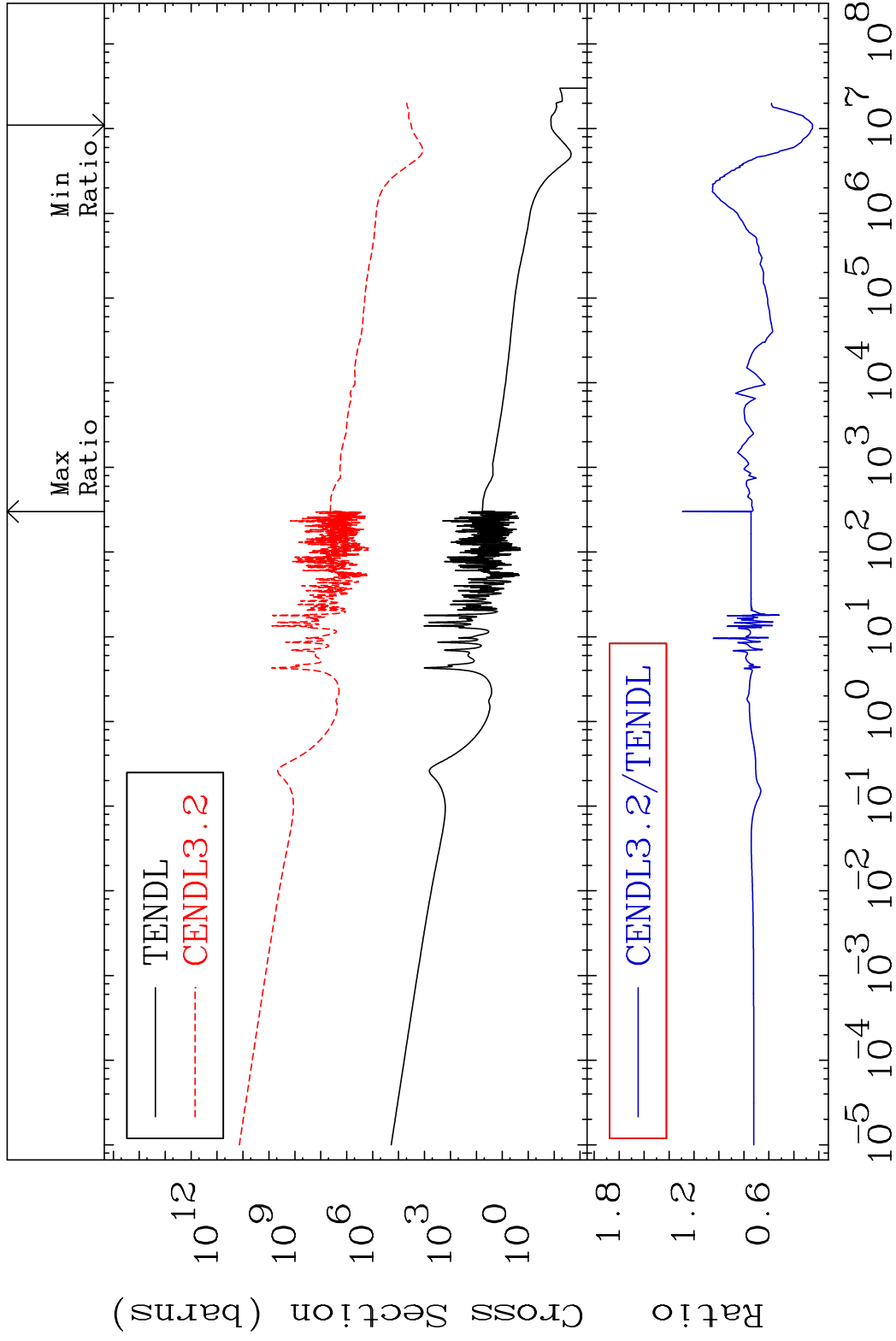


MAT 9443 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-241
 Cross Section -23.52 To 72.50 %



MAT 9443

Kerma capture (mt102) 94-Pu-241
Cross Section 9999. To 9999. %



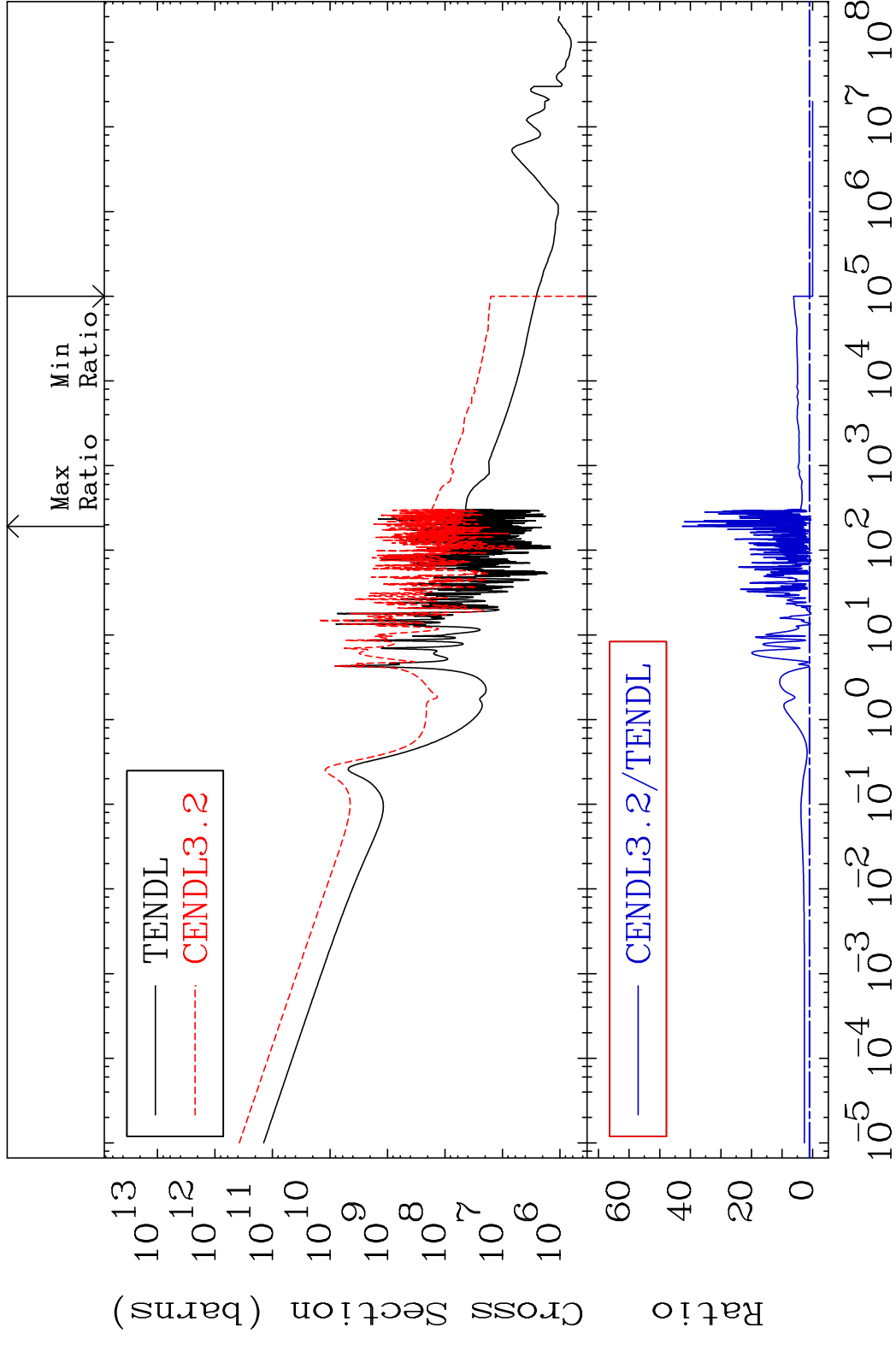
43

Incident Energy (eV)

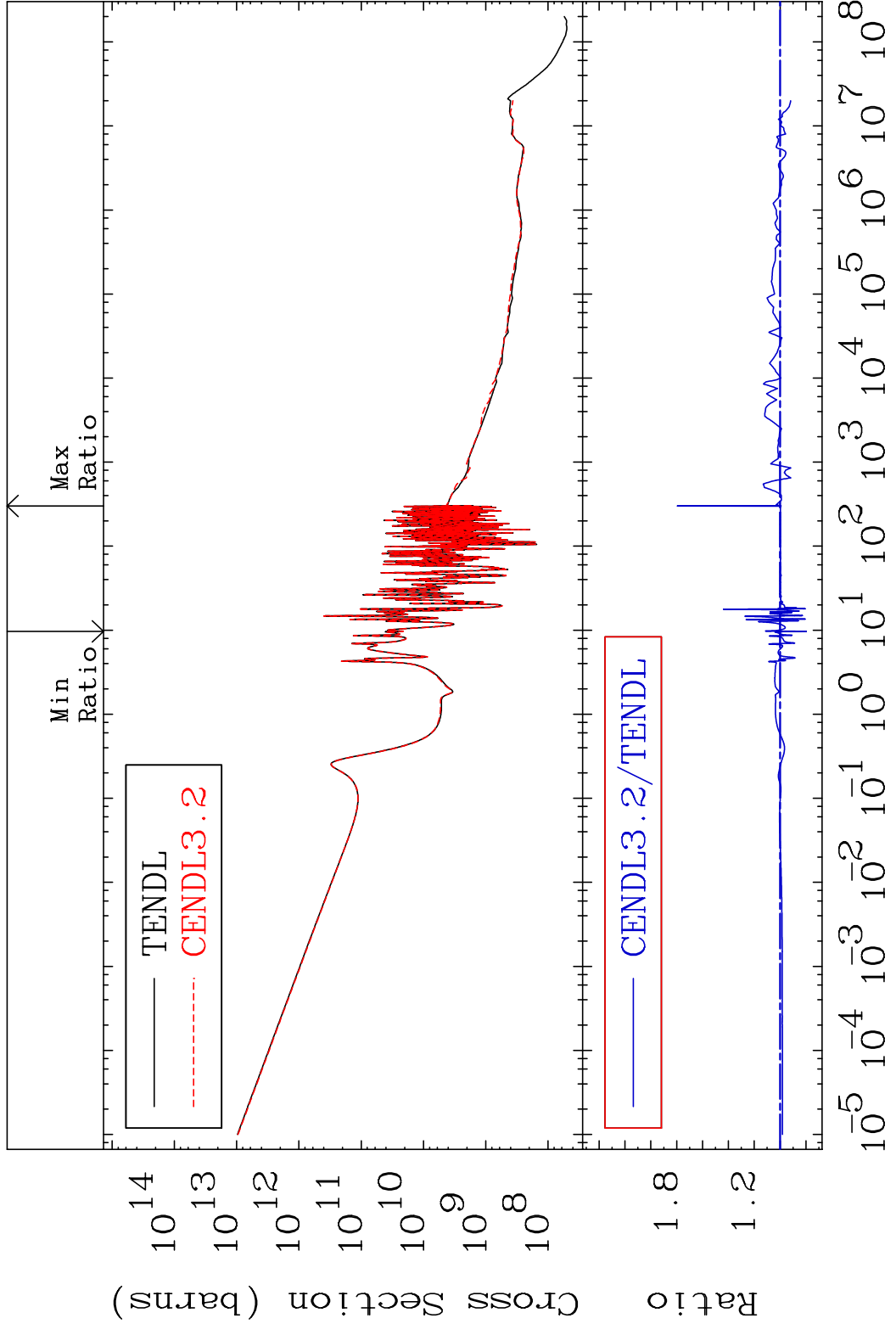
94-Pu-241

MAT 9443

Total photon (eV-barns) 94-Pu-241
Cross Section -100.0 To 4159. %



MAT 9443 Total kinematic kerma (high limit) 94-Pu-241
 Cross Section -20.36 To 79.62 %

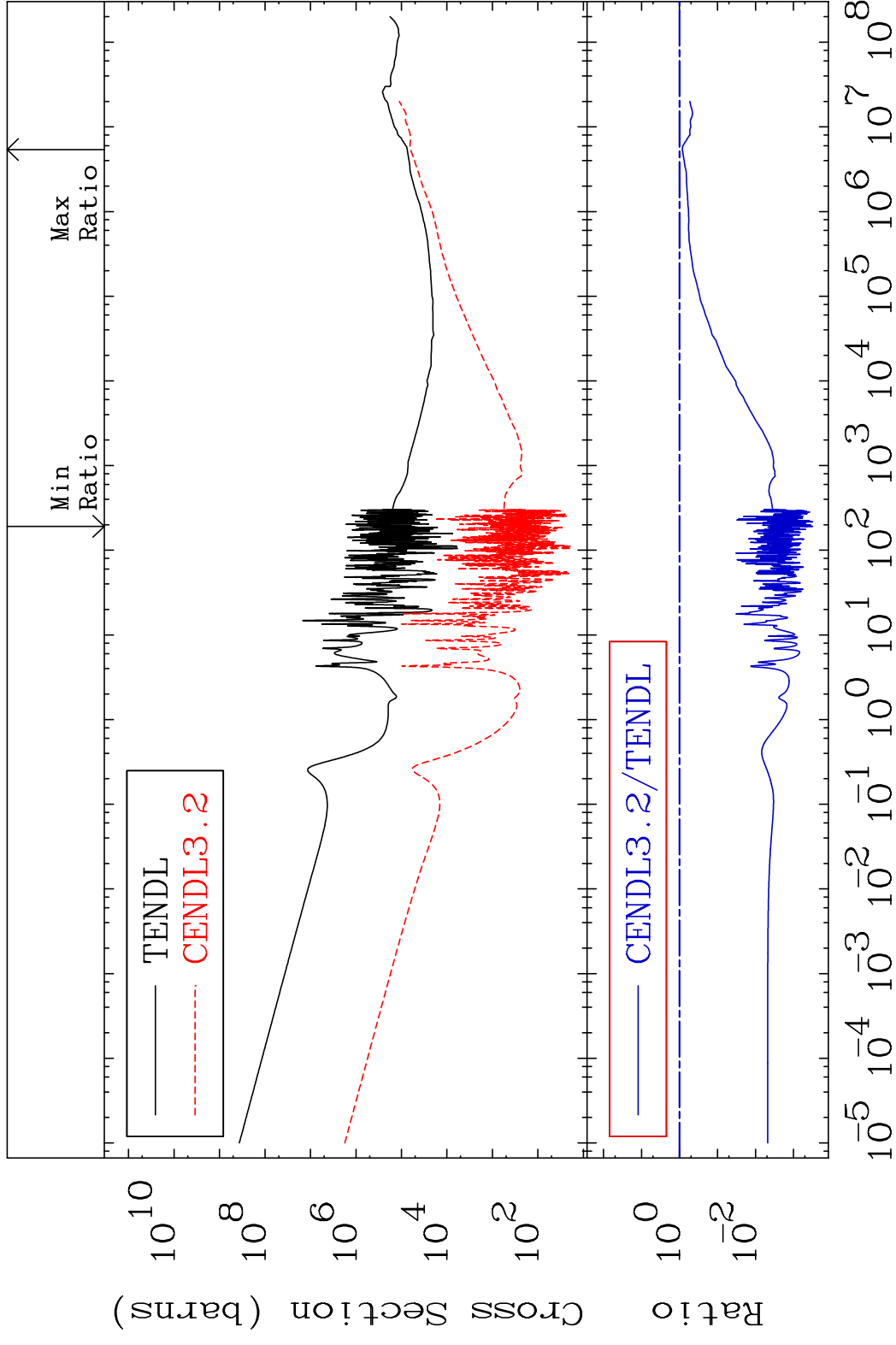


MAT 9443

Dpa total (eV-barns)

94-Pu-241

Cross Section -99.97 To -15.71%

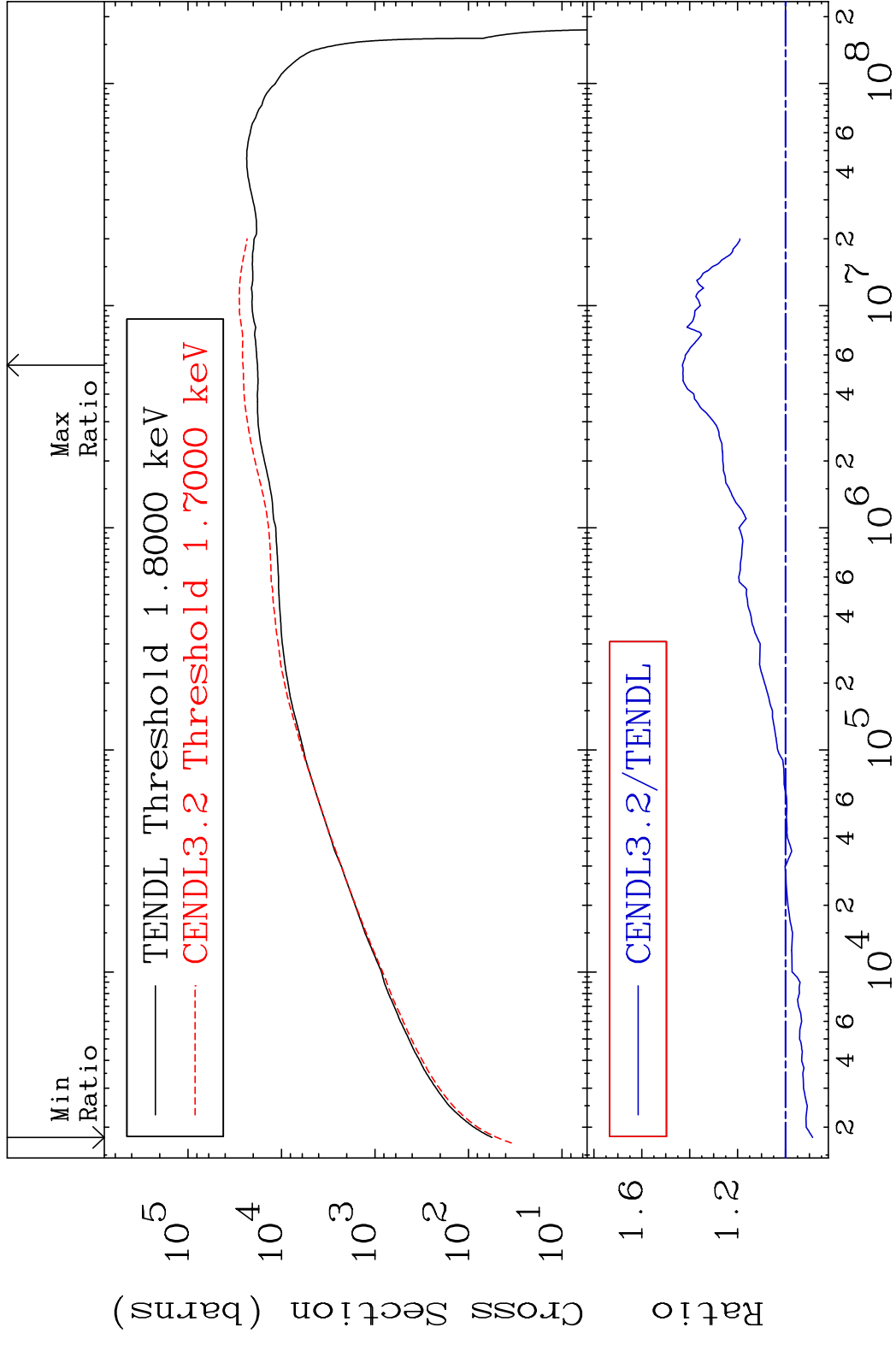


MAT 9443

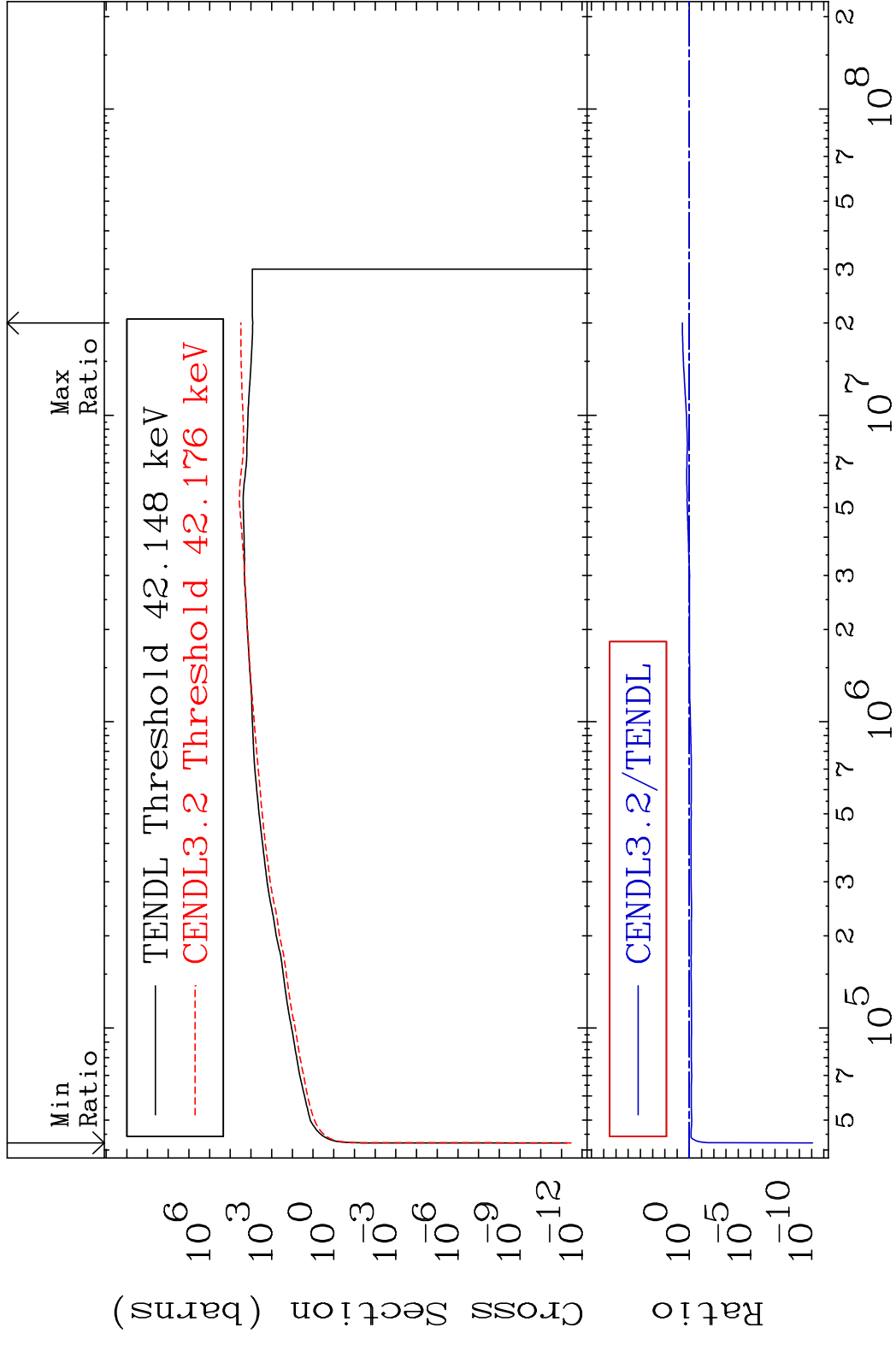
Dpa elastic (mt2)

94-Pu-241

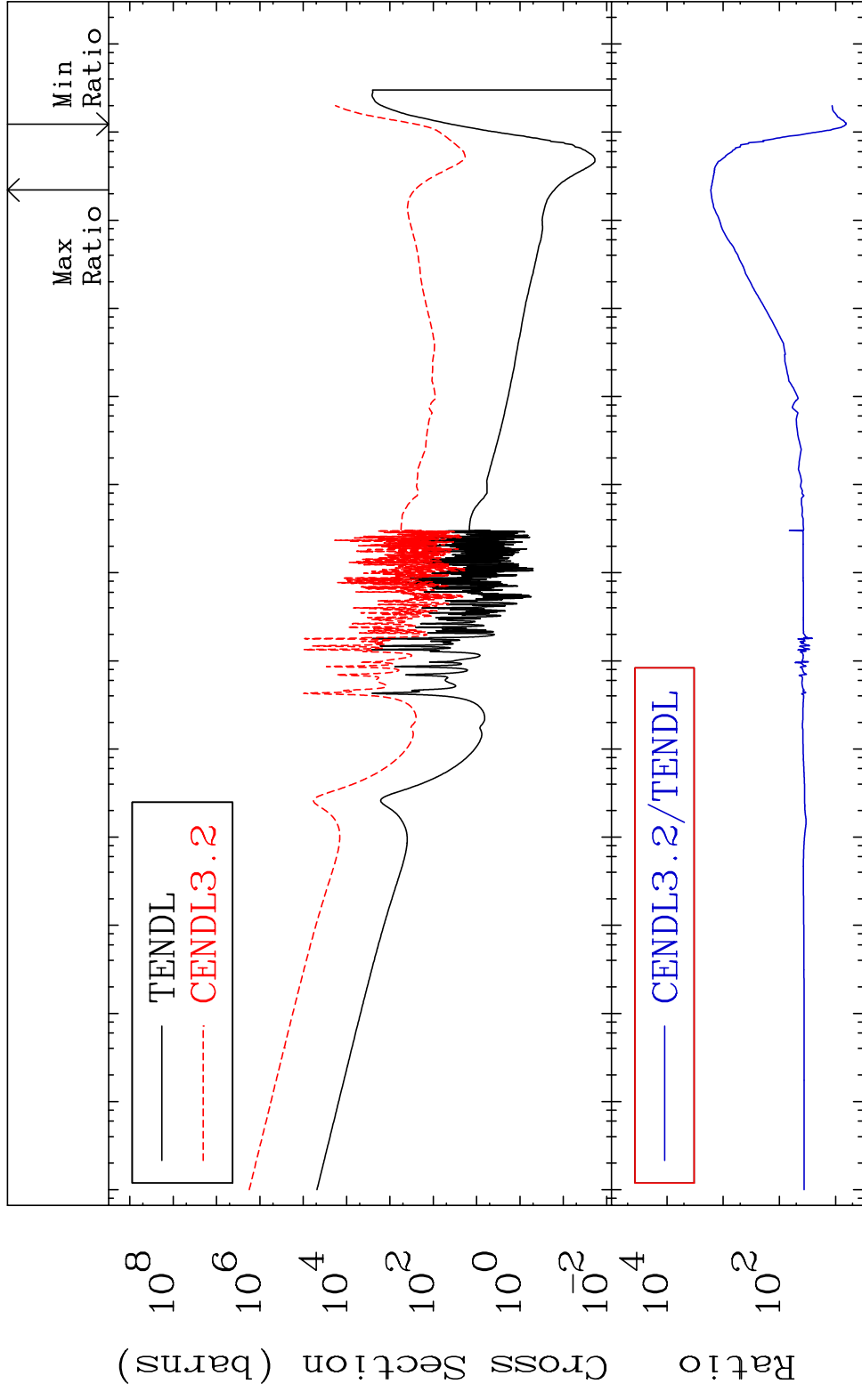
Cross Section -11.31 To 43.09 %



MAT 9443 Dpa inelastic (mt51-91) 94-Pu-241
 Cross Section -100.0 To 272.0 %

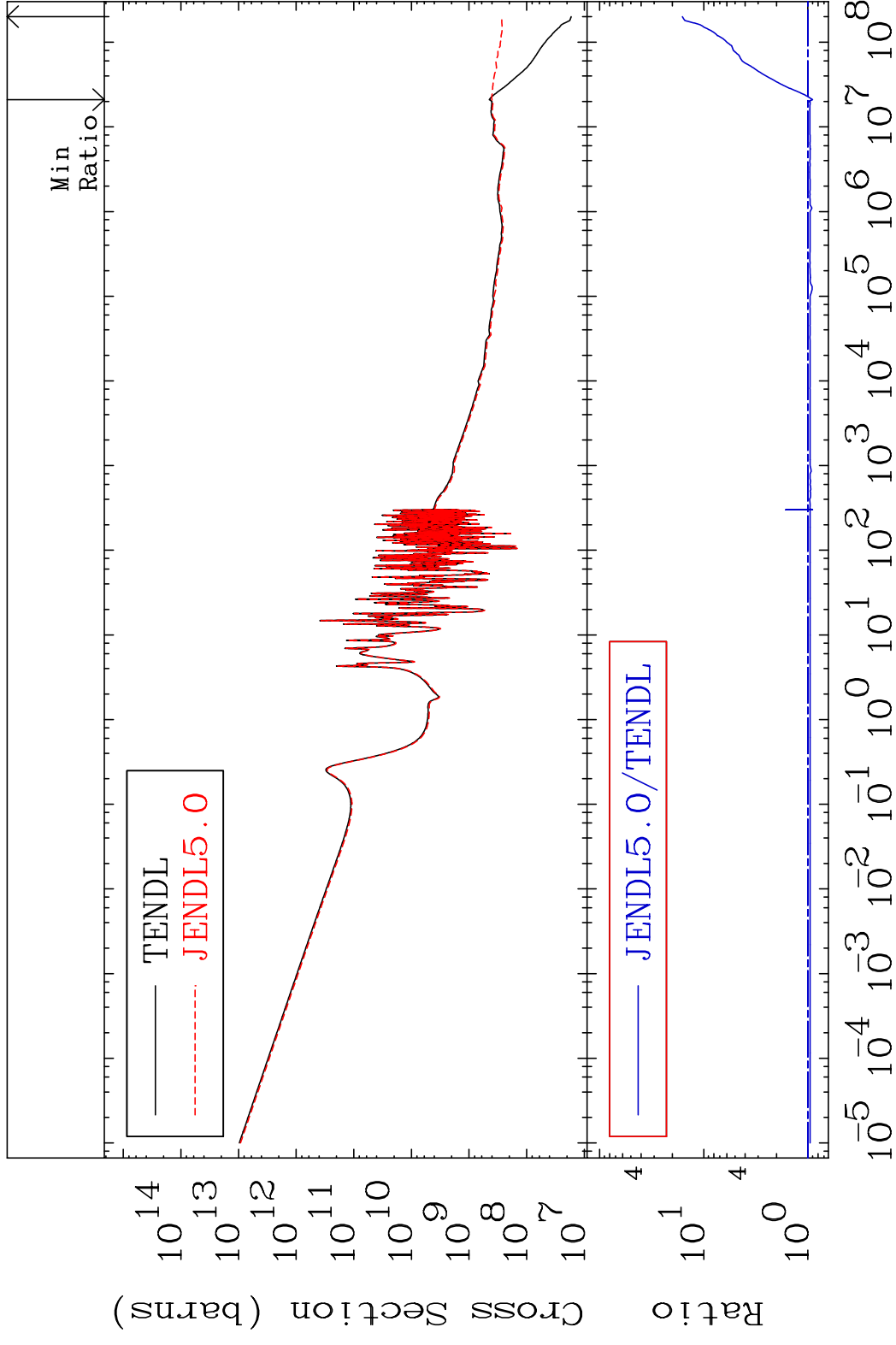


MAT 9443 Dpa disappearance (mt102 -120) 94-Pu-241
 Cross Section 546.8 To 9999. %



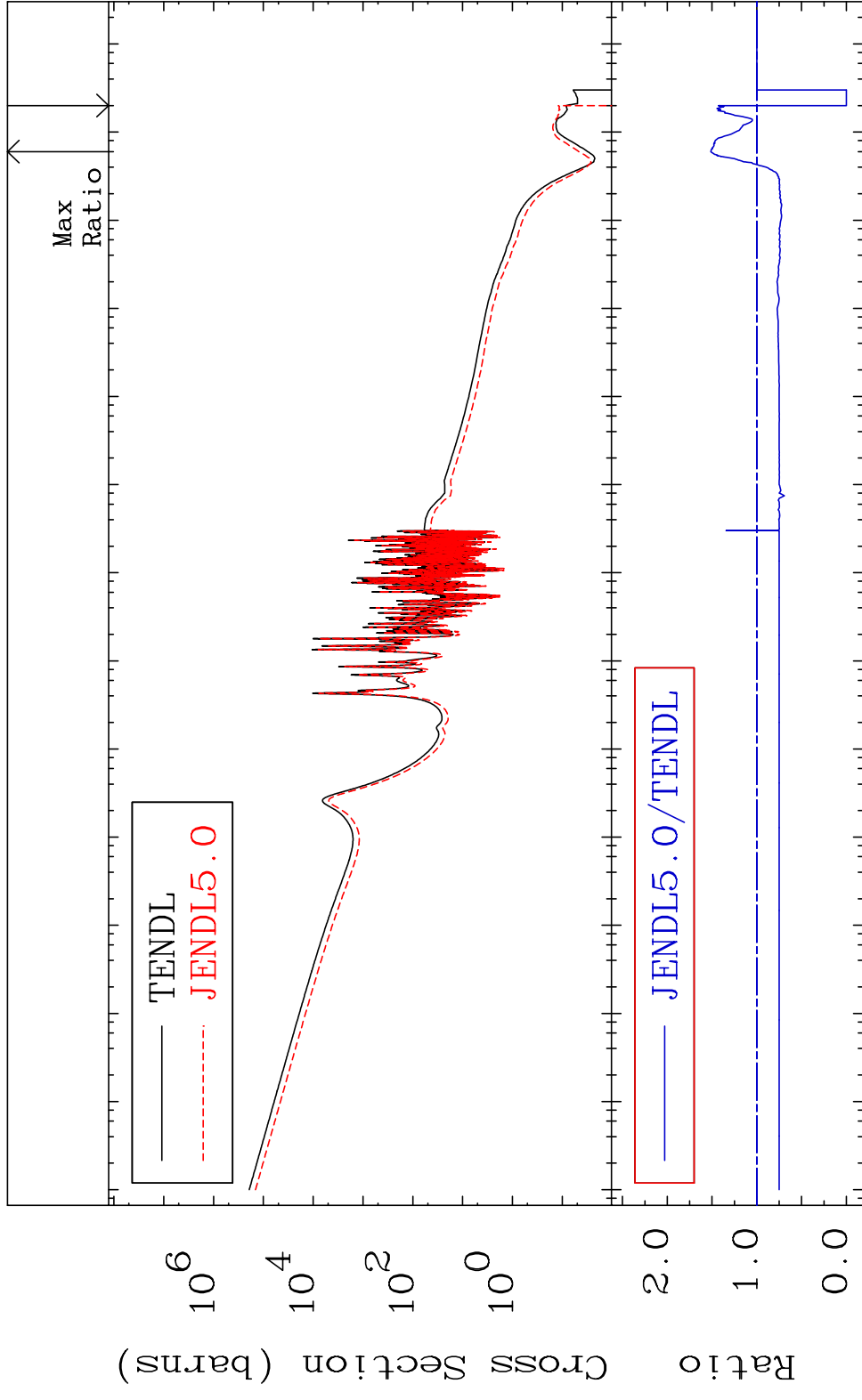
49 Incident Energy (eV) 94-Pu-241

MAT 9443 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-241
 Cross Section -9.739 To 1504. %

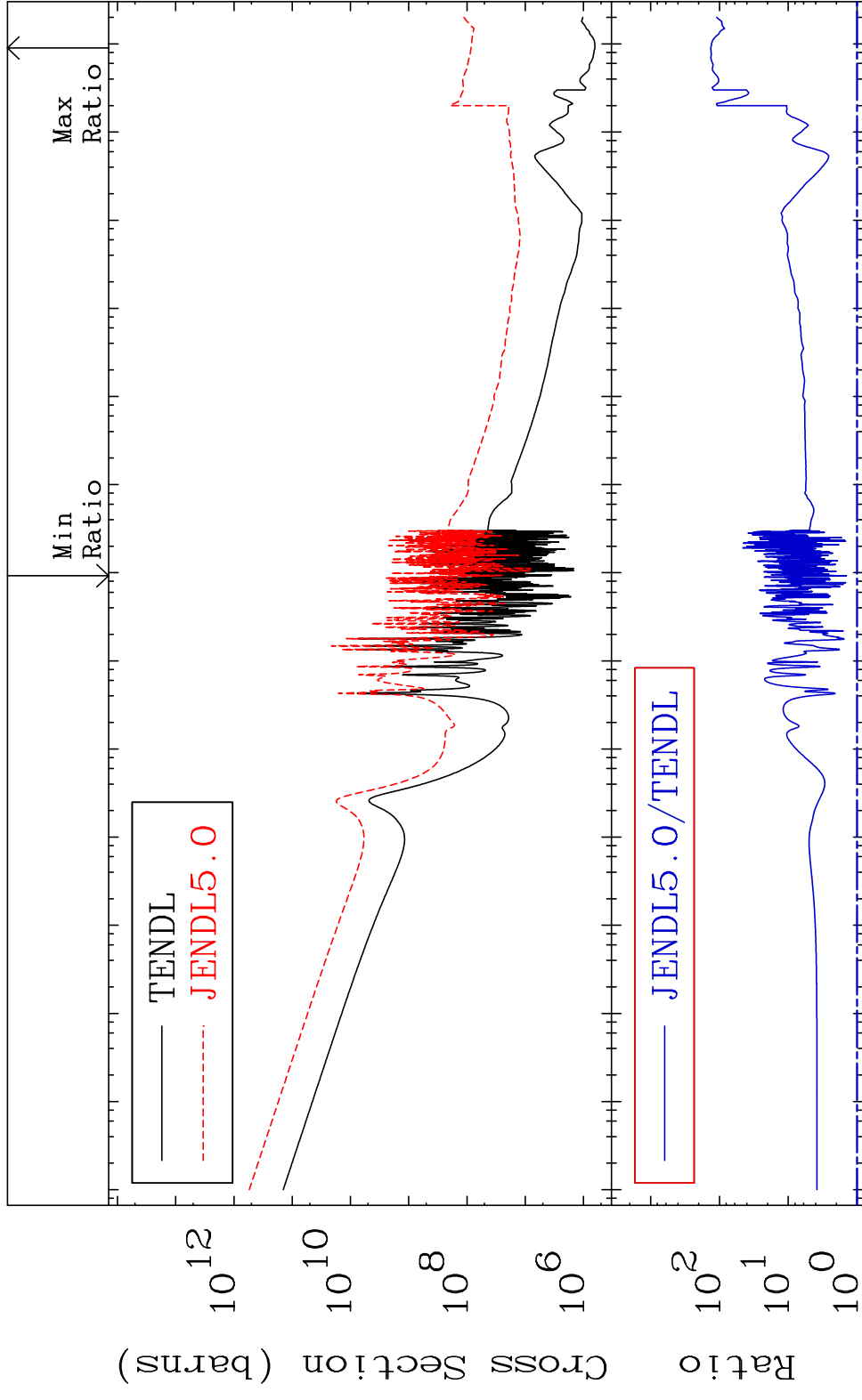


MAT 9443

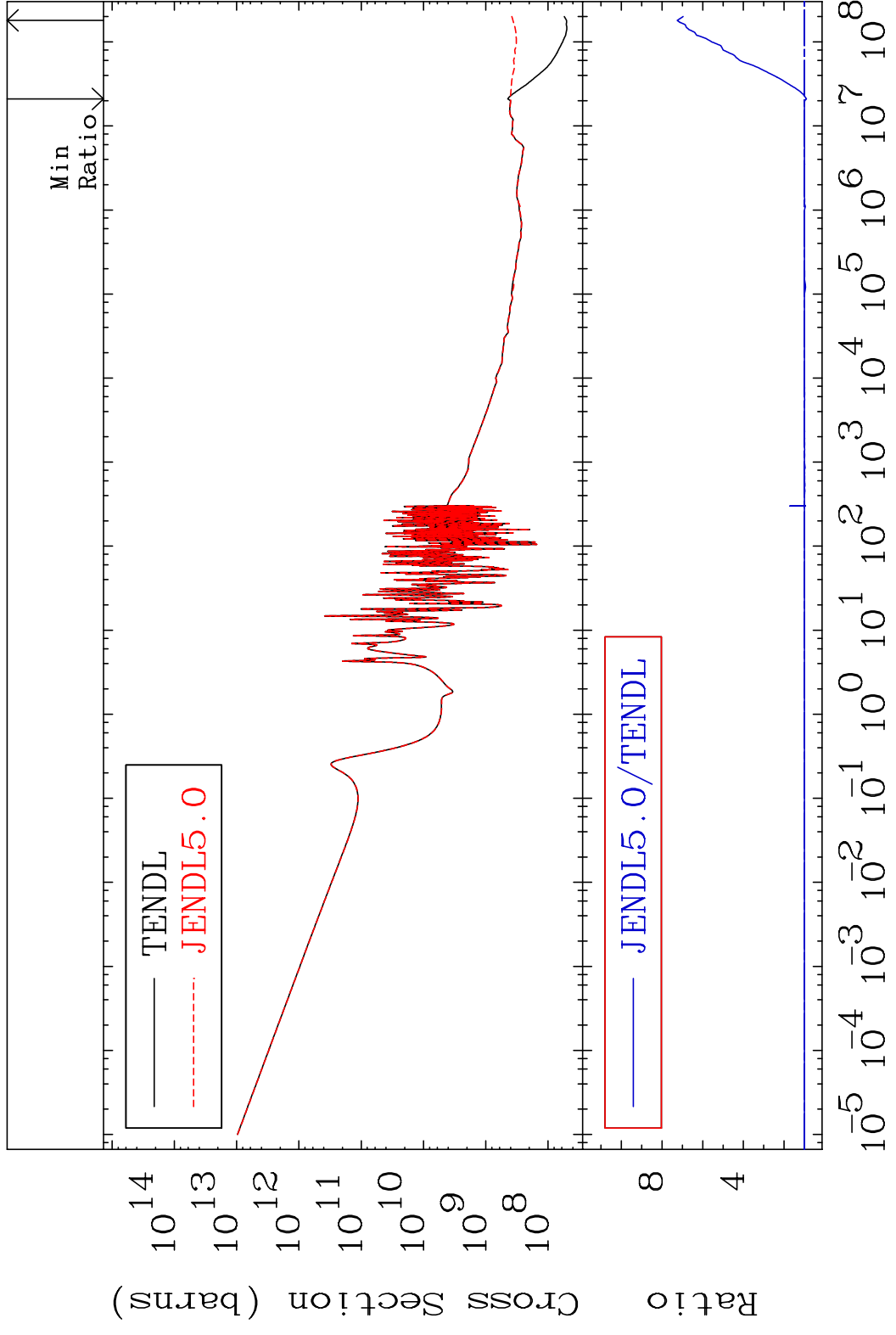
Kerma capture (mt102) 94-Pu-241
Cross Section -100.0 To 51.44 %



MAT 9443 Total photon (eV-barns) 94-Pu-241
 Cross Section 43.60 To 9999. %



MAT 9443 Total kinematic kerma (high limit) 94-Pu-241
 Cross Section -9.733 To 625.6 %

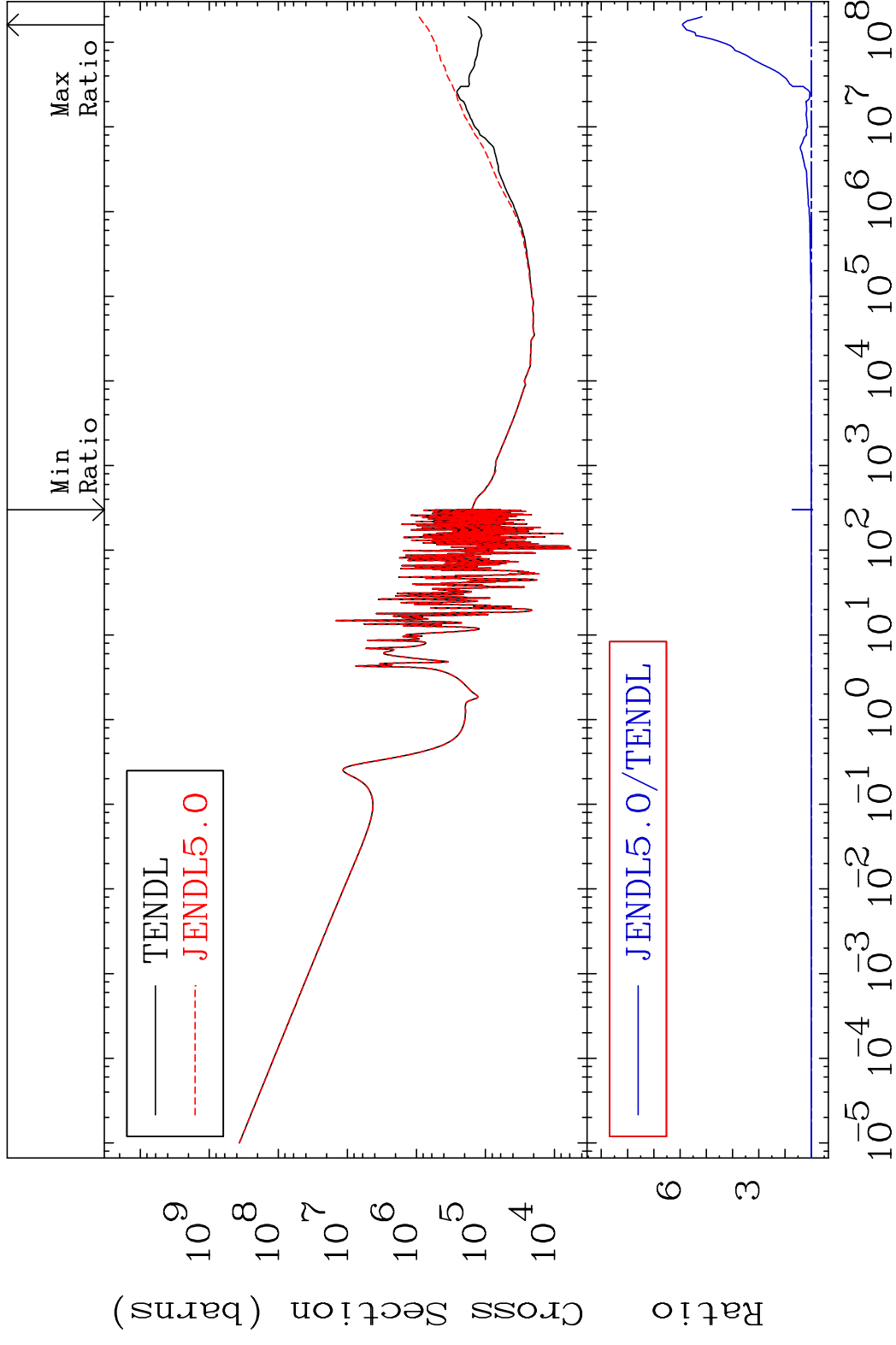


MAT 9443

Dpa total (eV-barns)

94-Pu-241

Cross Section -5.283 To 491.1 %



54

Incident Energy (eV)

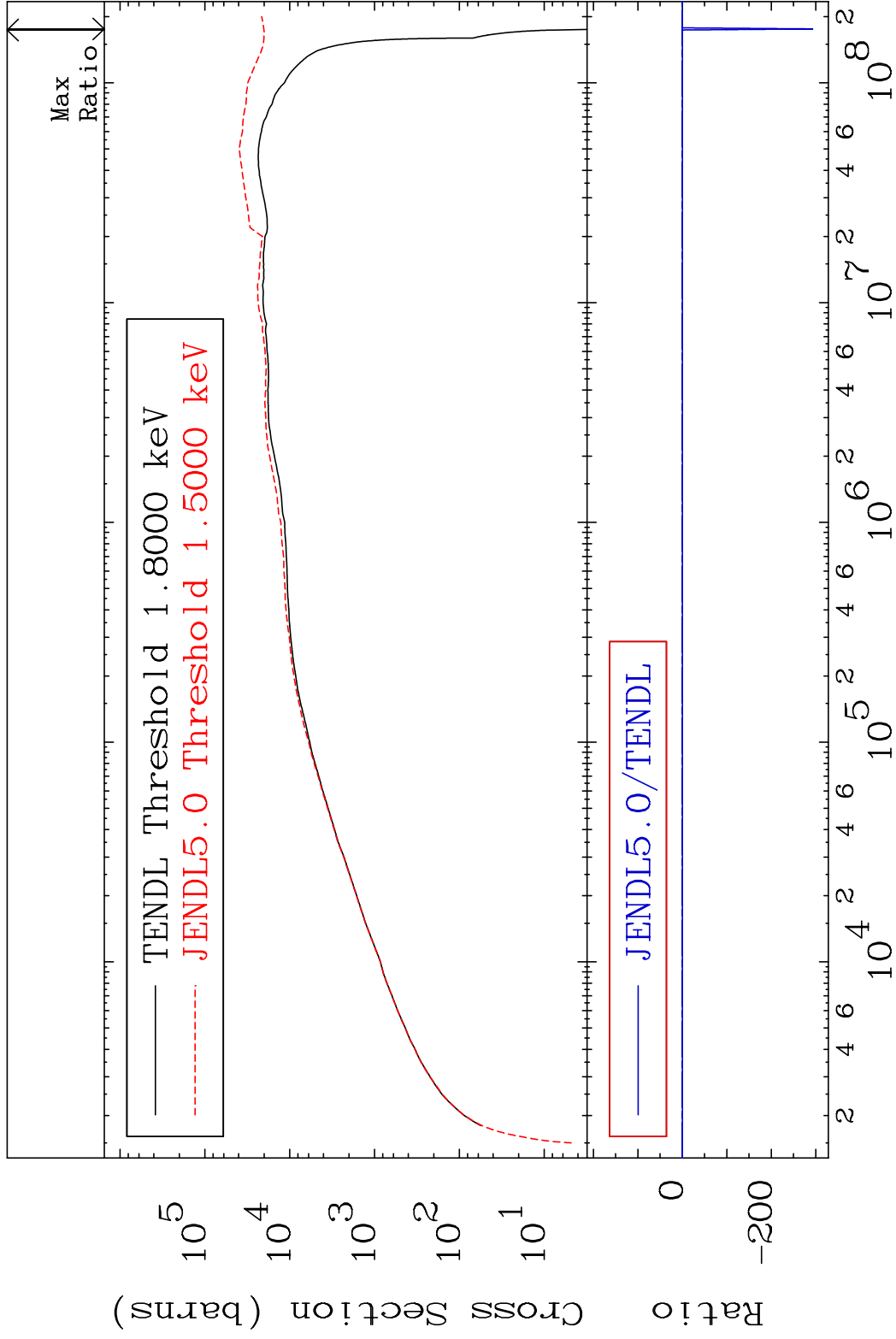
94-Pu-241

MAT 9443

Dpa elastic (mt2)

94-Pu-241

Cross Section -9999. To 9999. %

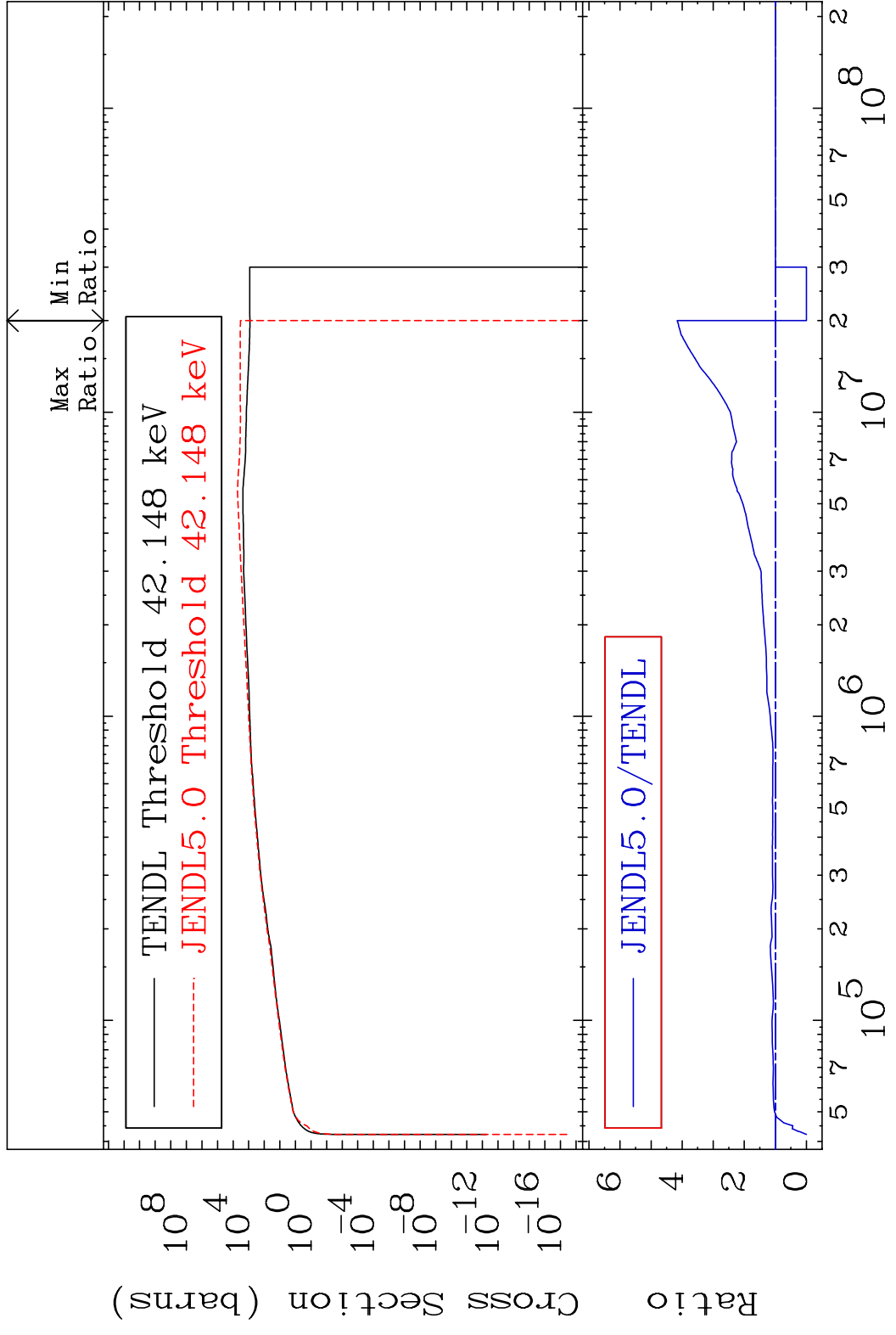


55

Incident Energy (eV)

94-Pu-241

MAT 9443 Dpa inelastic (mt51-91) 94-Pu-241
 Cross Section -100.0 To 316.0 %



MAT 9443 Dpa disappearance (mt102 -120) 94-Pu-241
 Cross Section -100.0 To 39.61 %

