

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

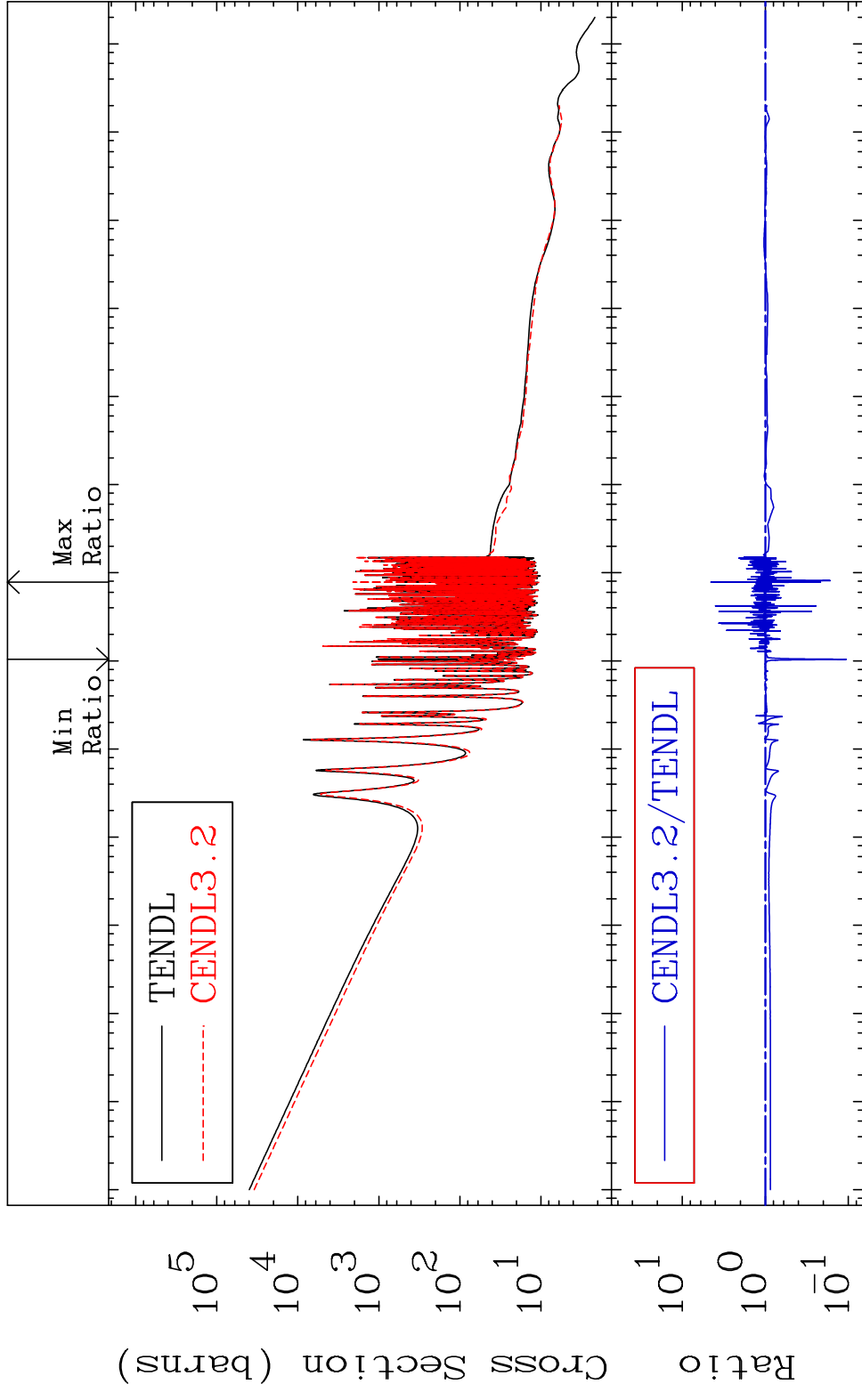
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 9543

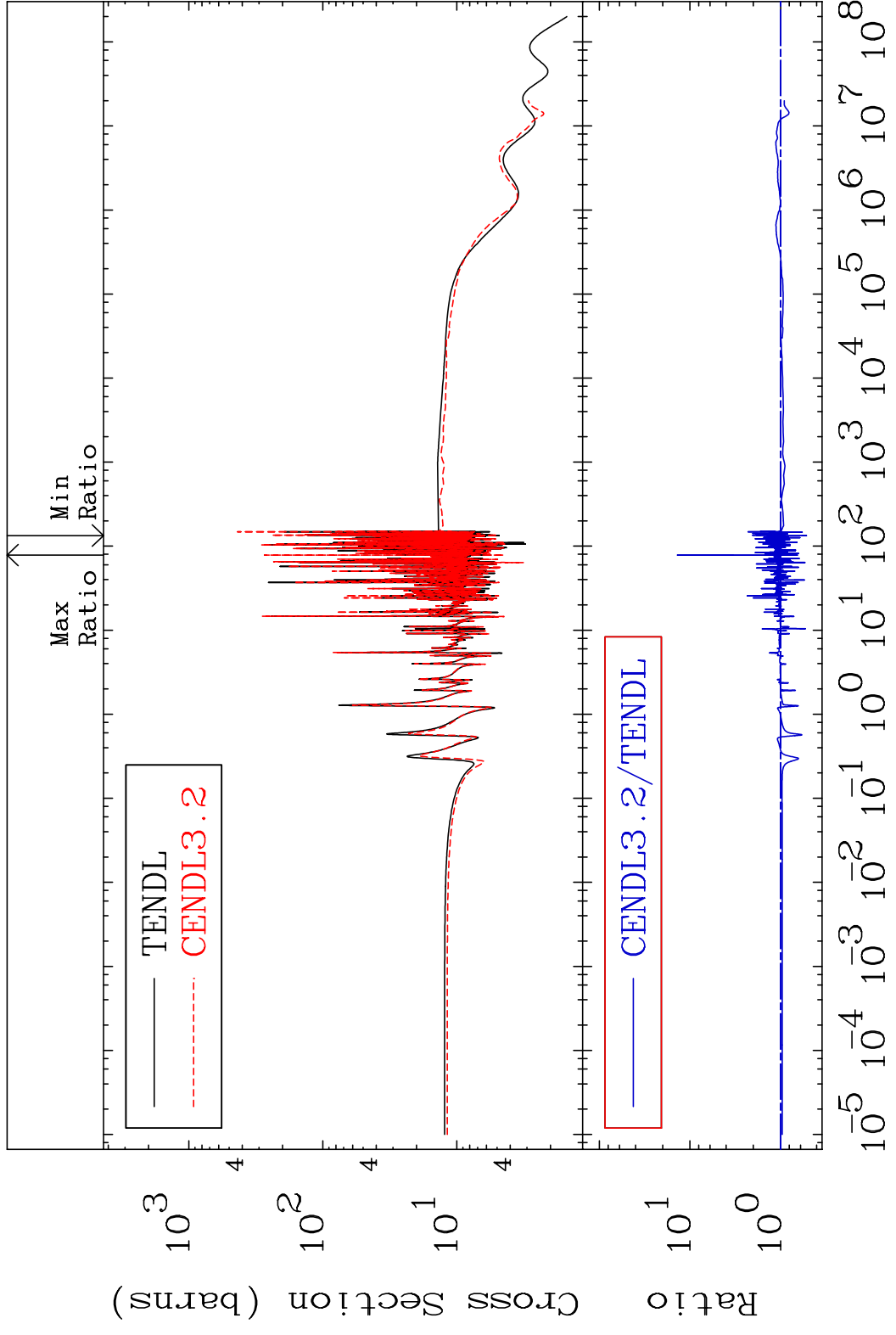
Total Cross Section -89.44 To 355.2 %
95-Am-241



1 Incident Energy (eV) 95-Am-241

MAT 9543

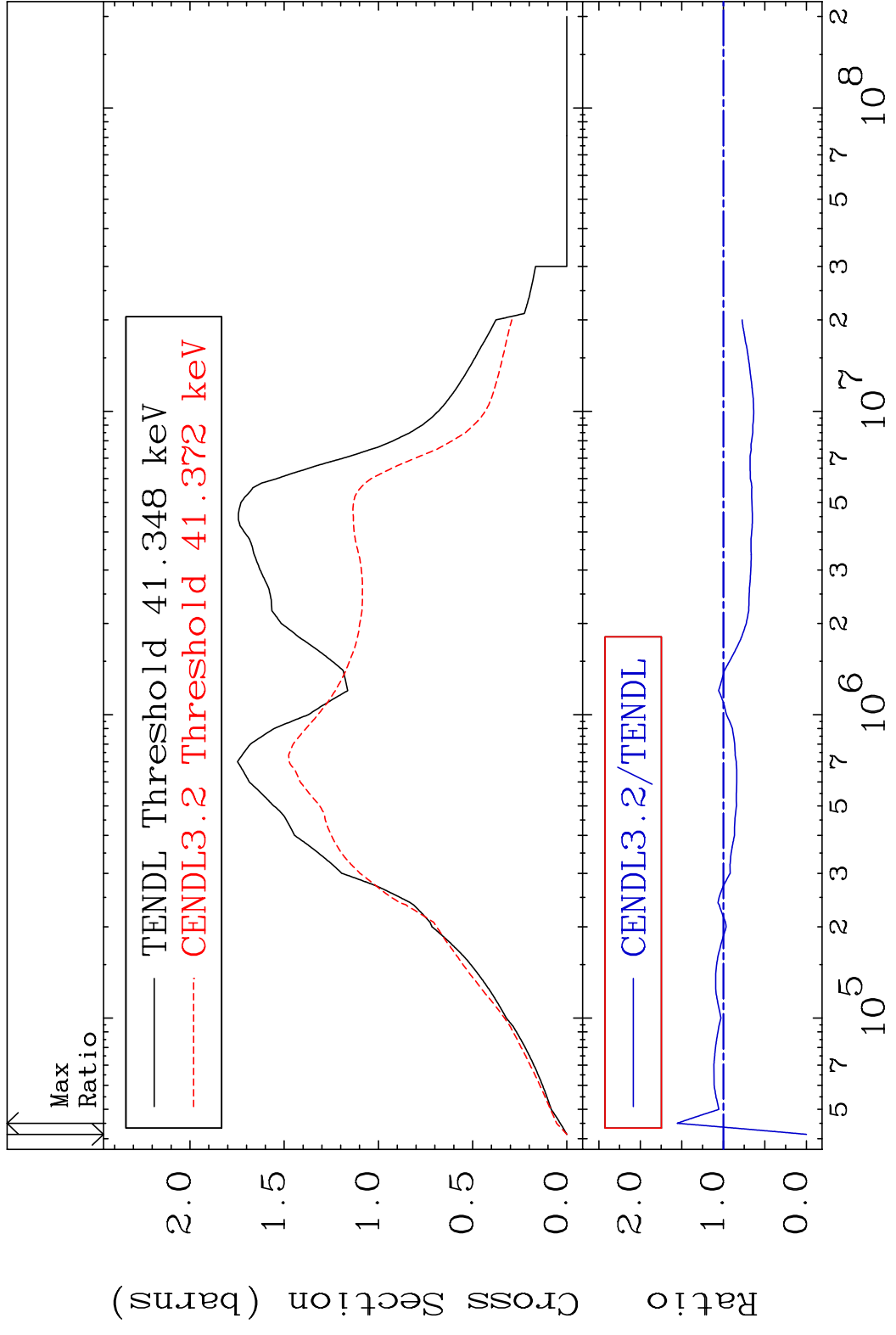
Elastic Cross Section -48.18 To 1285. %
95-Am-241



2

Incident Energy (eV) 95-Am-241

MAT 9543 Inelastic 95-Am-241
 Cross Section -100.0 To 55.63 %

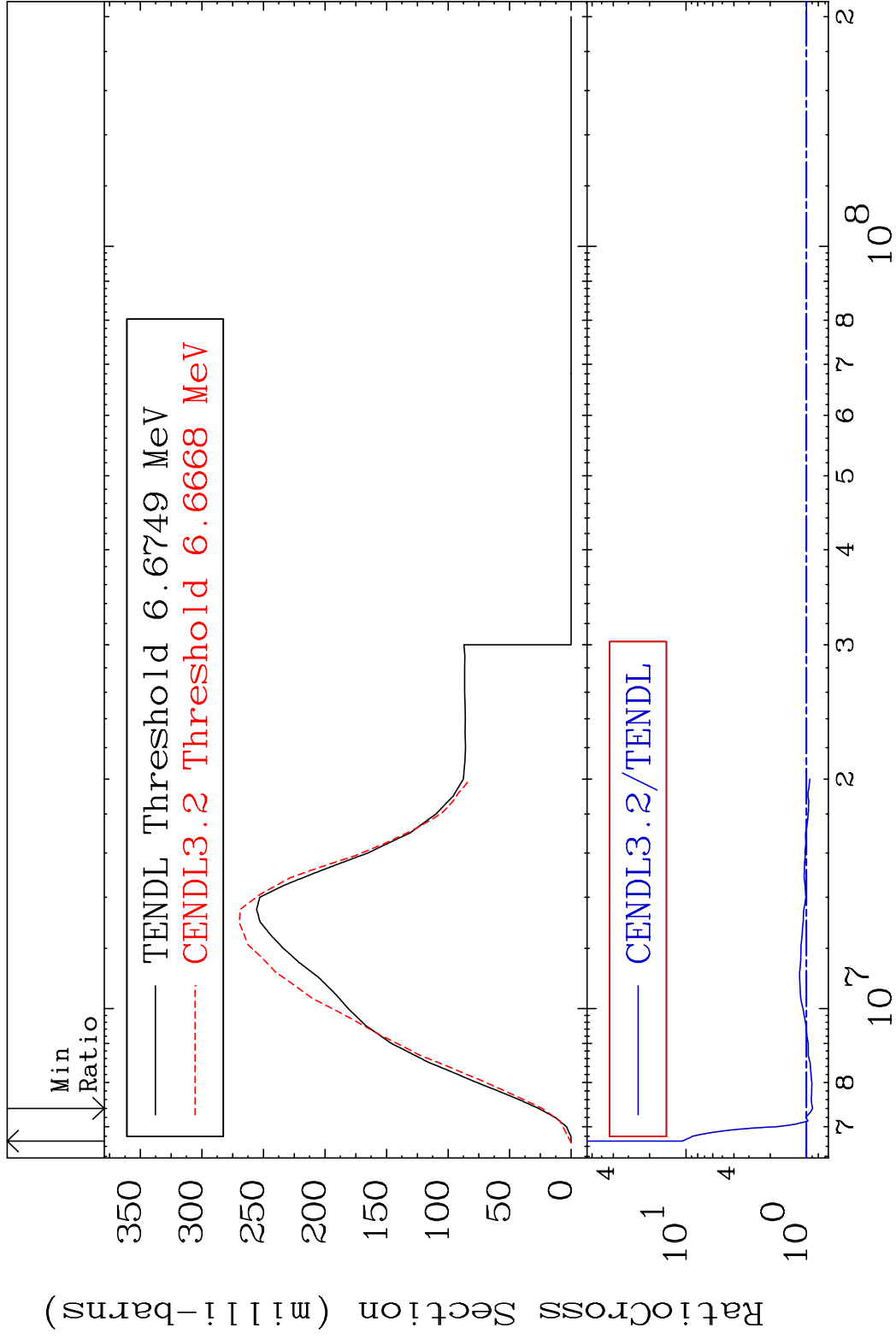


MAT 9543

(n,2n)

95-Am-241

Cross Section -10.88 To 970.6 %



4

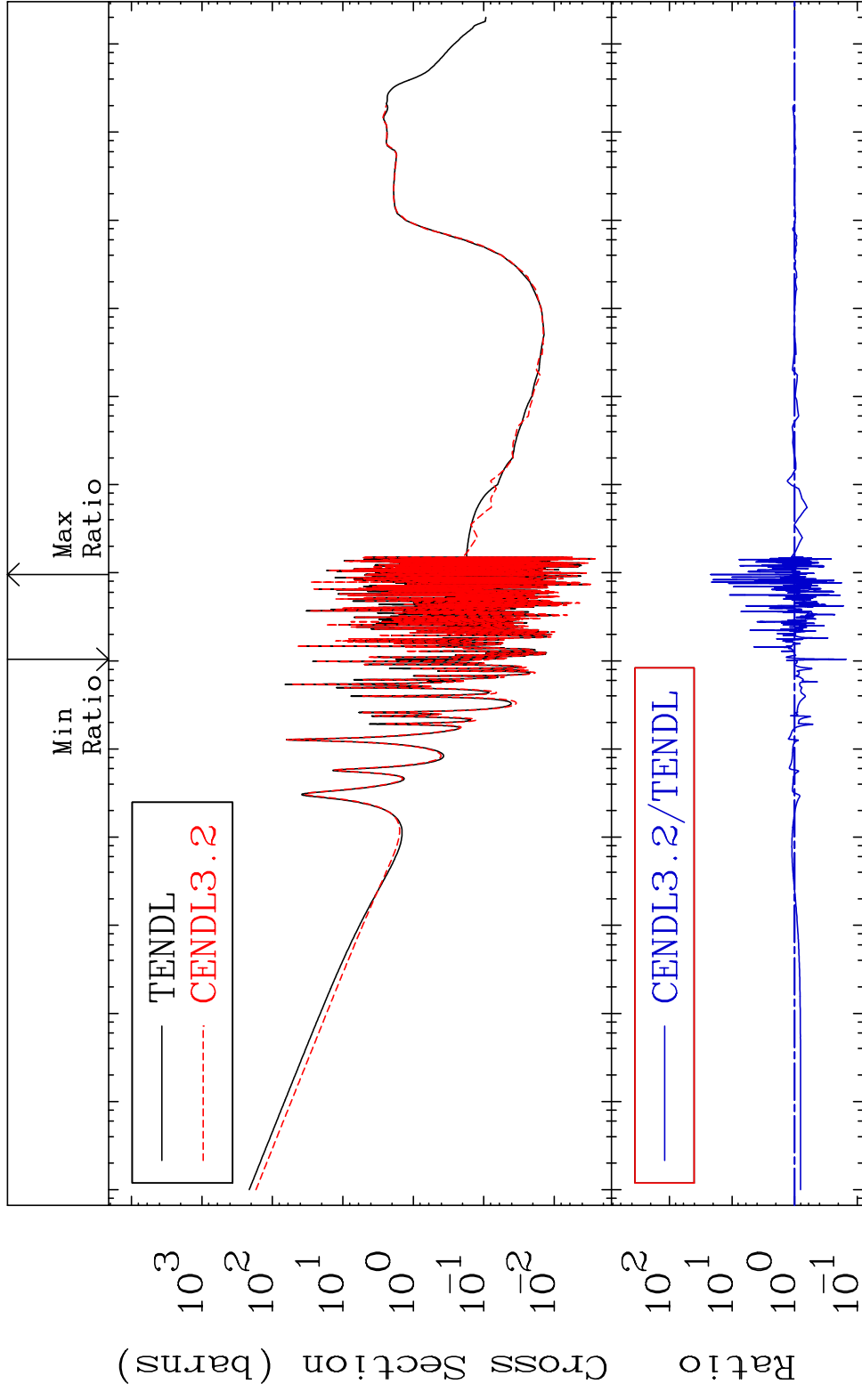
Incident Energy (eV)

95-Am-241

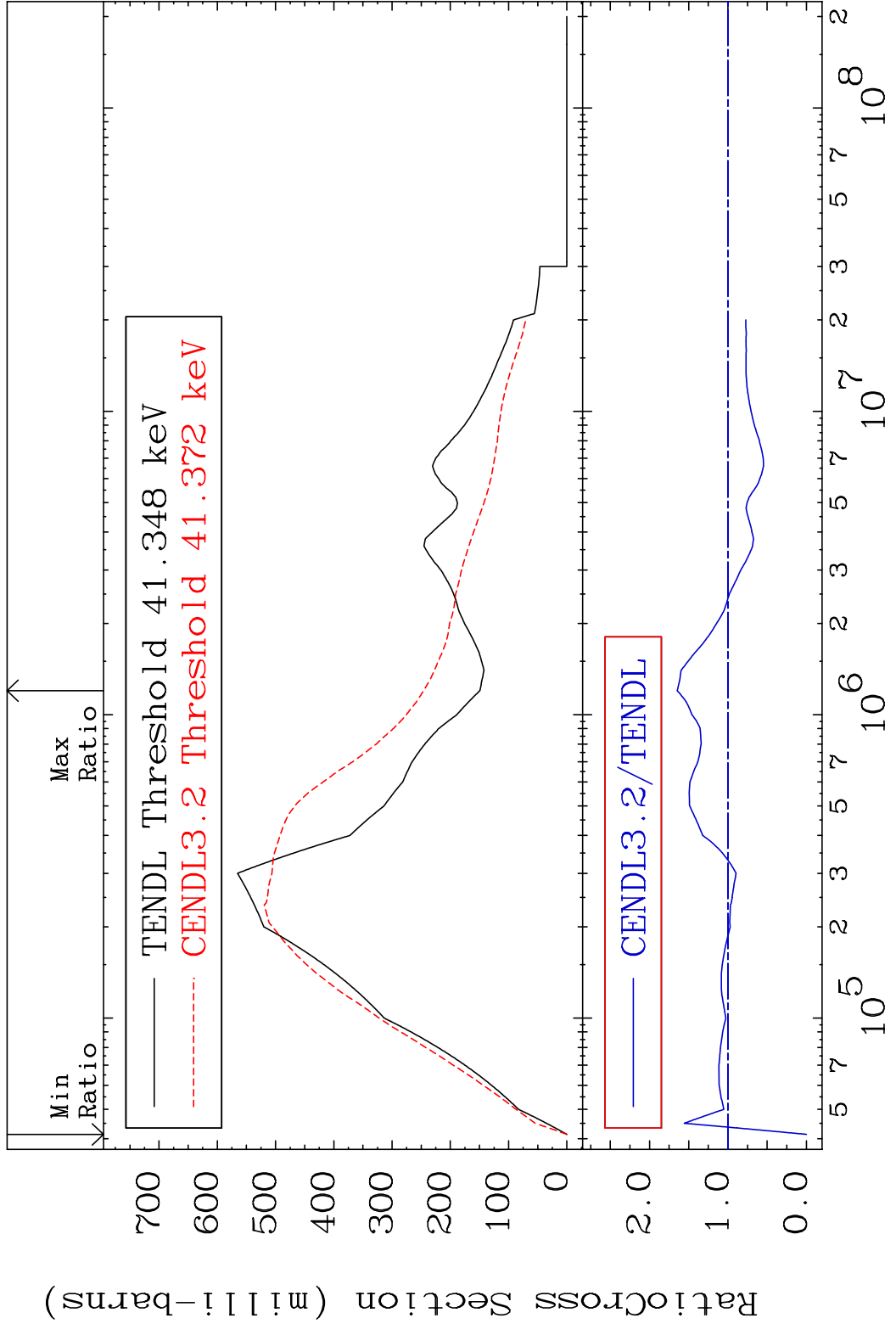
MAT 9543

Fission Cross Section -85.06 To 2092. %

95-Am-241

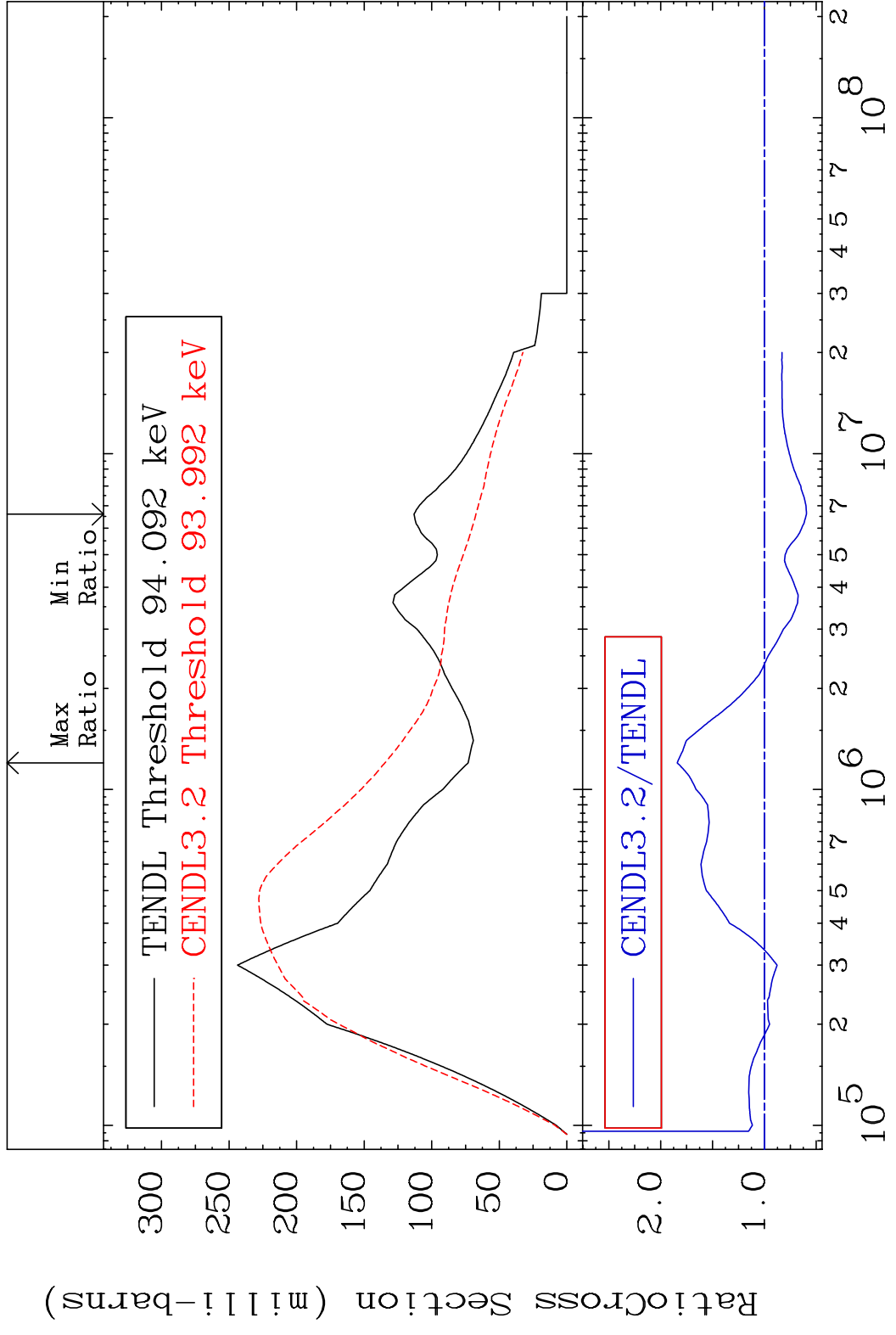


MAT 9543 MT= 51 (n, n') Level 95-Am-241
 Cross Section -100.0 To 64.71 %



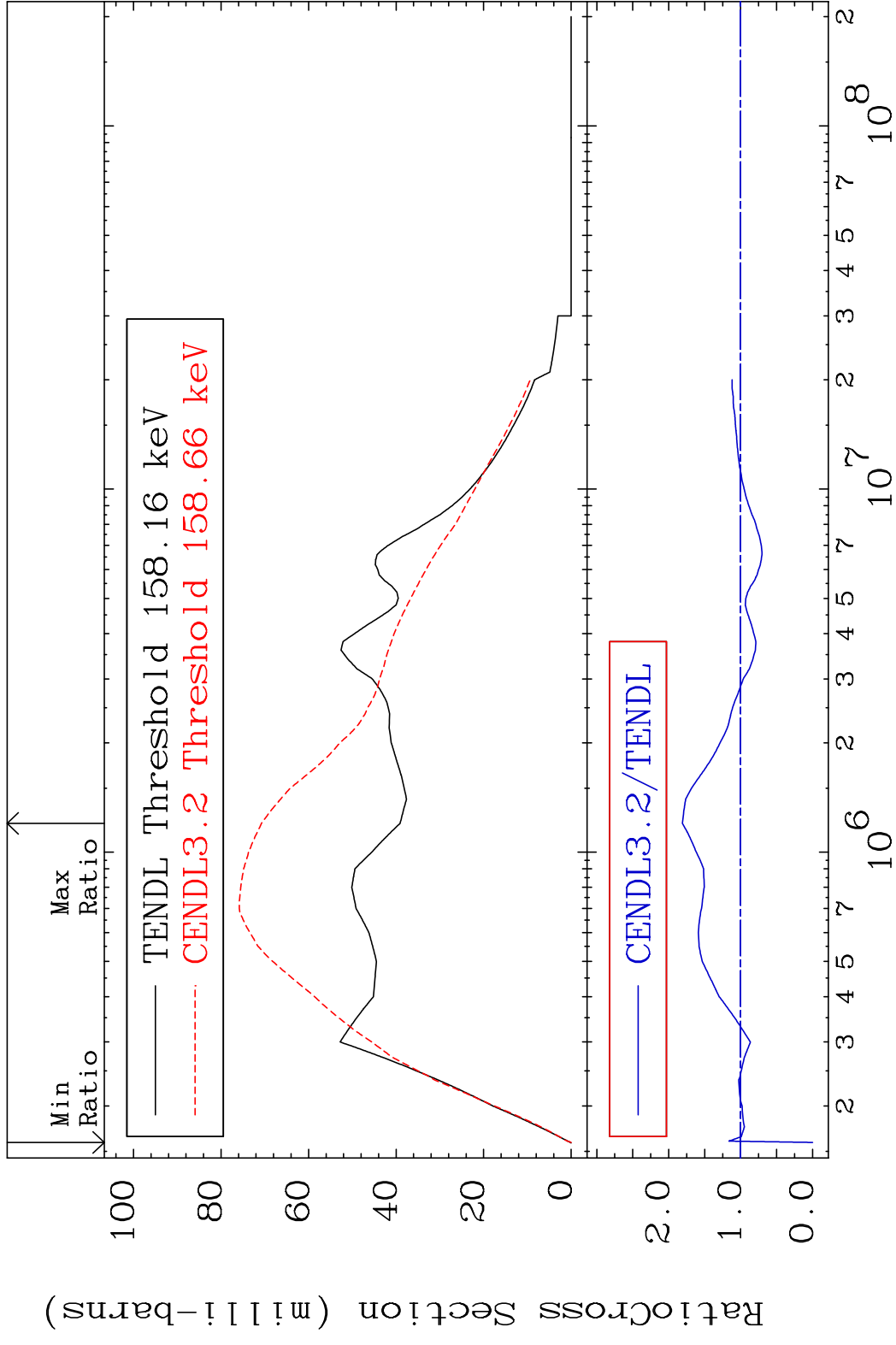
7 Incident Energy (eV) 95-Am-241

MAT 9543 MT= 52 (n, n') Level 95-Am-241
 Cross Section -40.48 To 84.08 %

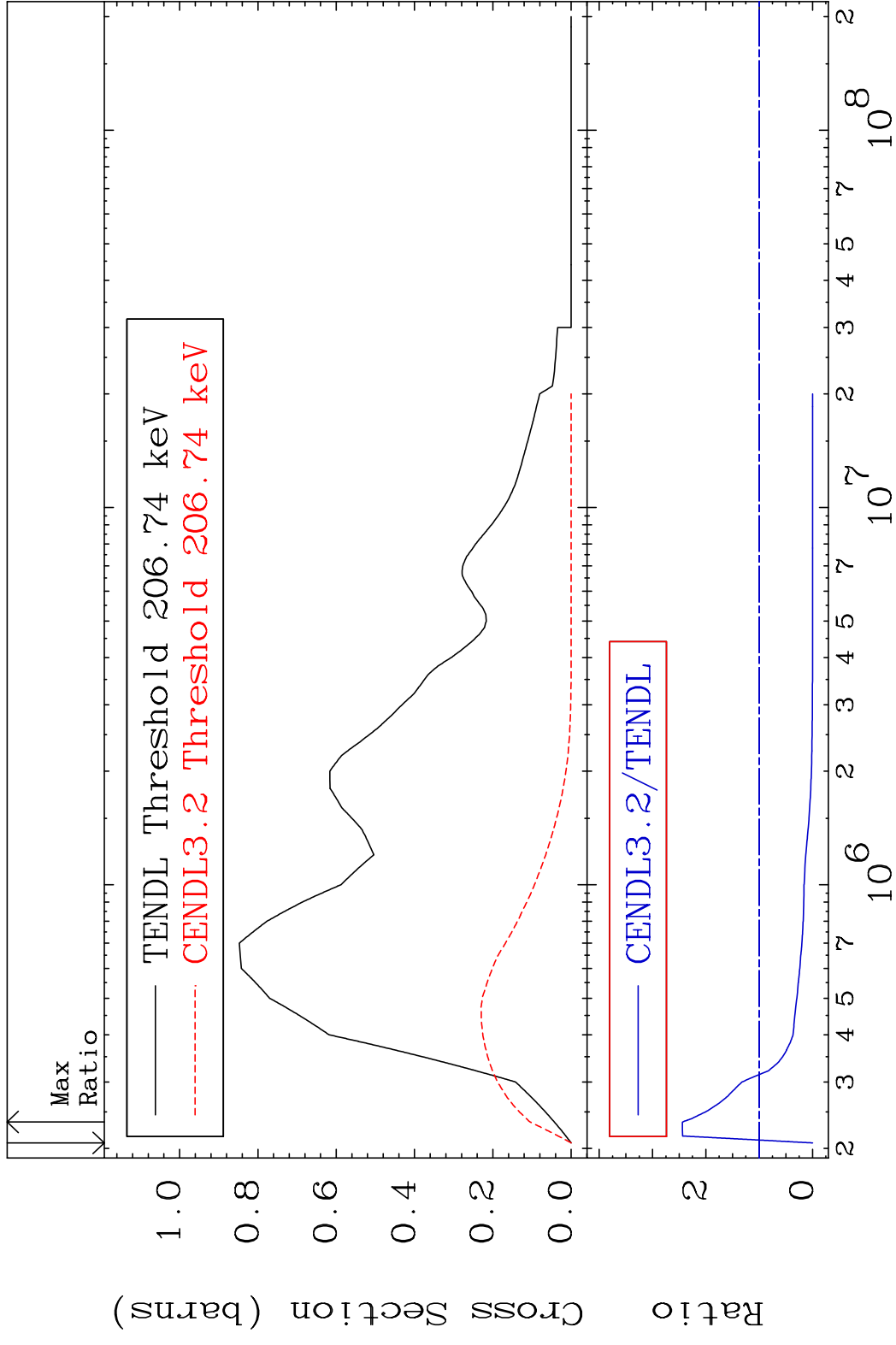


8 Incident Energy (eV) 95-Am-241

MAT 9543 MT= 53 (n, n') Level 95-Am-241
 Cross Section -100.0 To 81.02 %

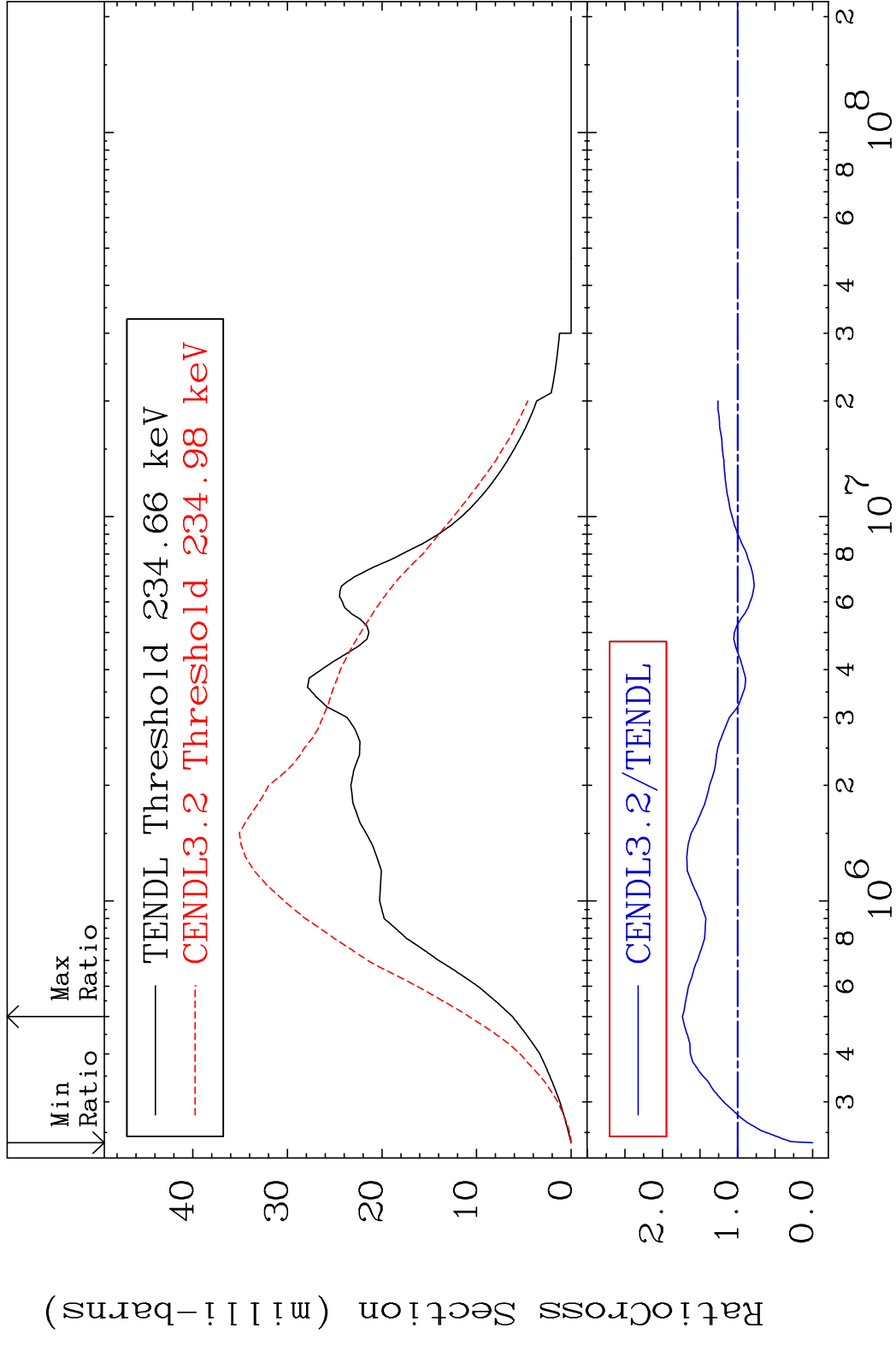


MAT 9543 MT= 54 (n, n') Level 95-Am-241
 Cross Section -100.0 To 144.1 %

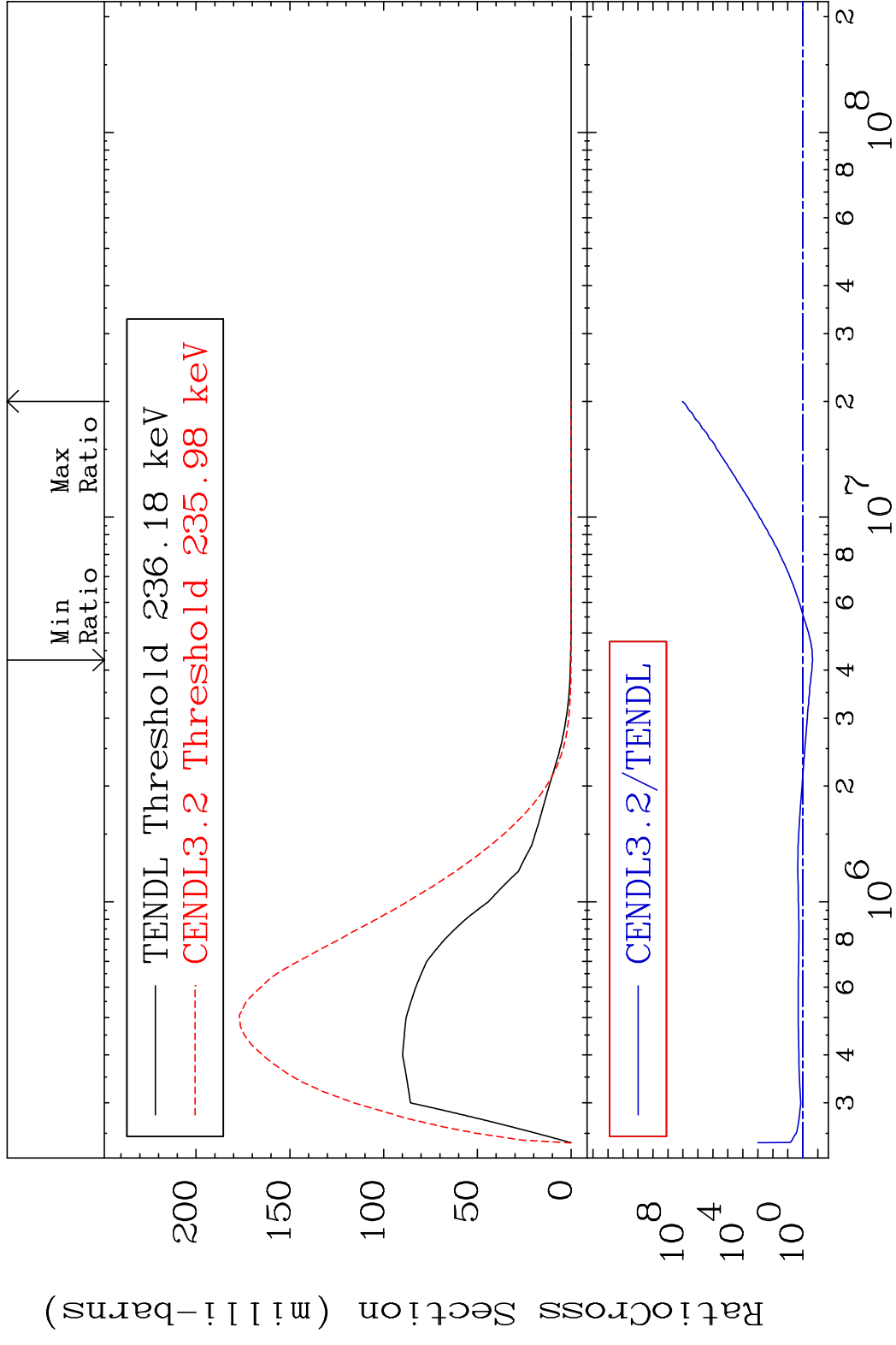


10 Incident Energy (eV) 95-Am-241

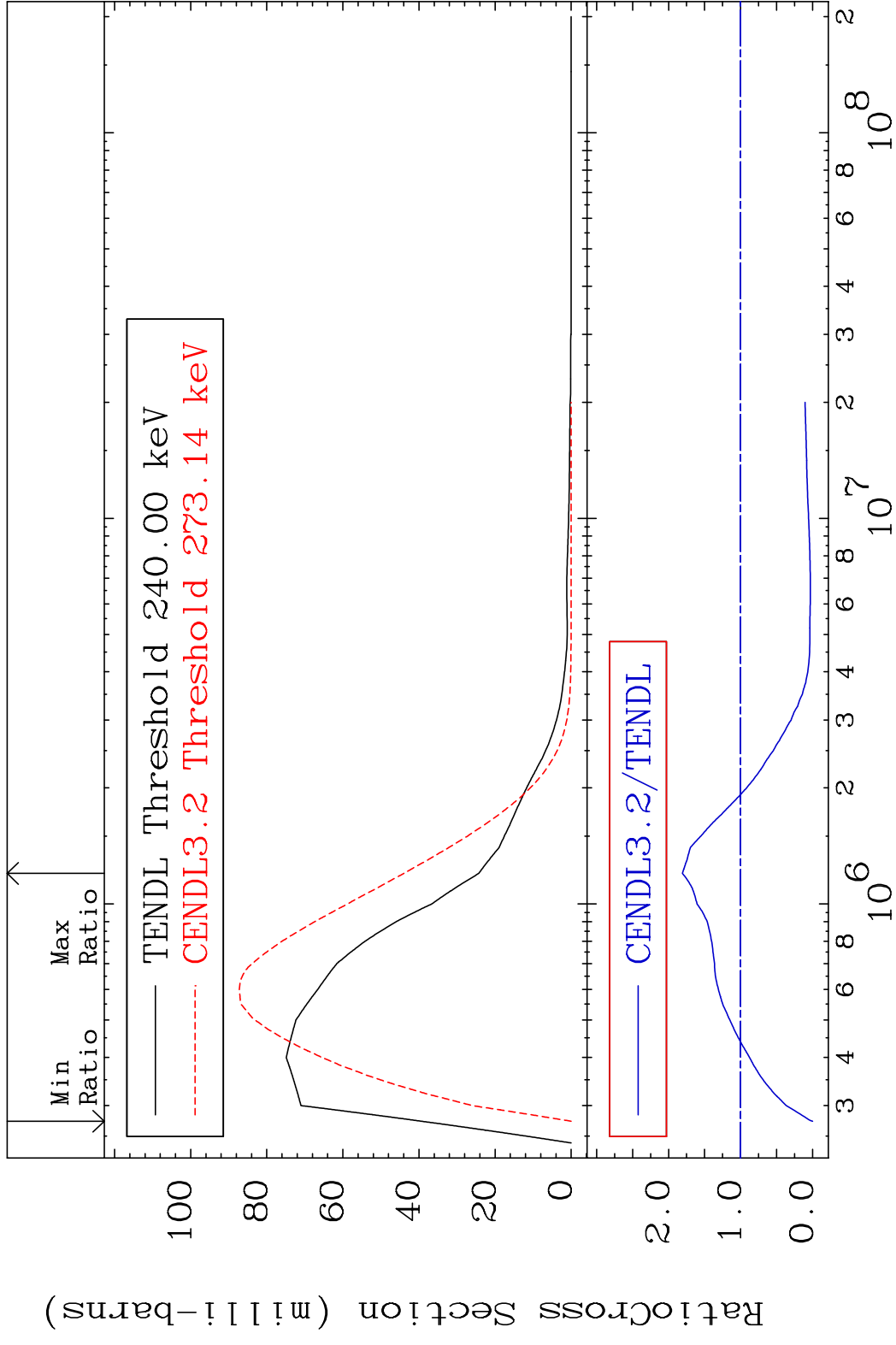
MAT 9543 MT= 55 (n, n') Level 95-Am-241
 Cross Section -100.0 To 73.46 %



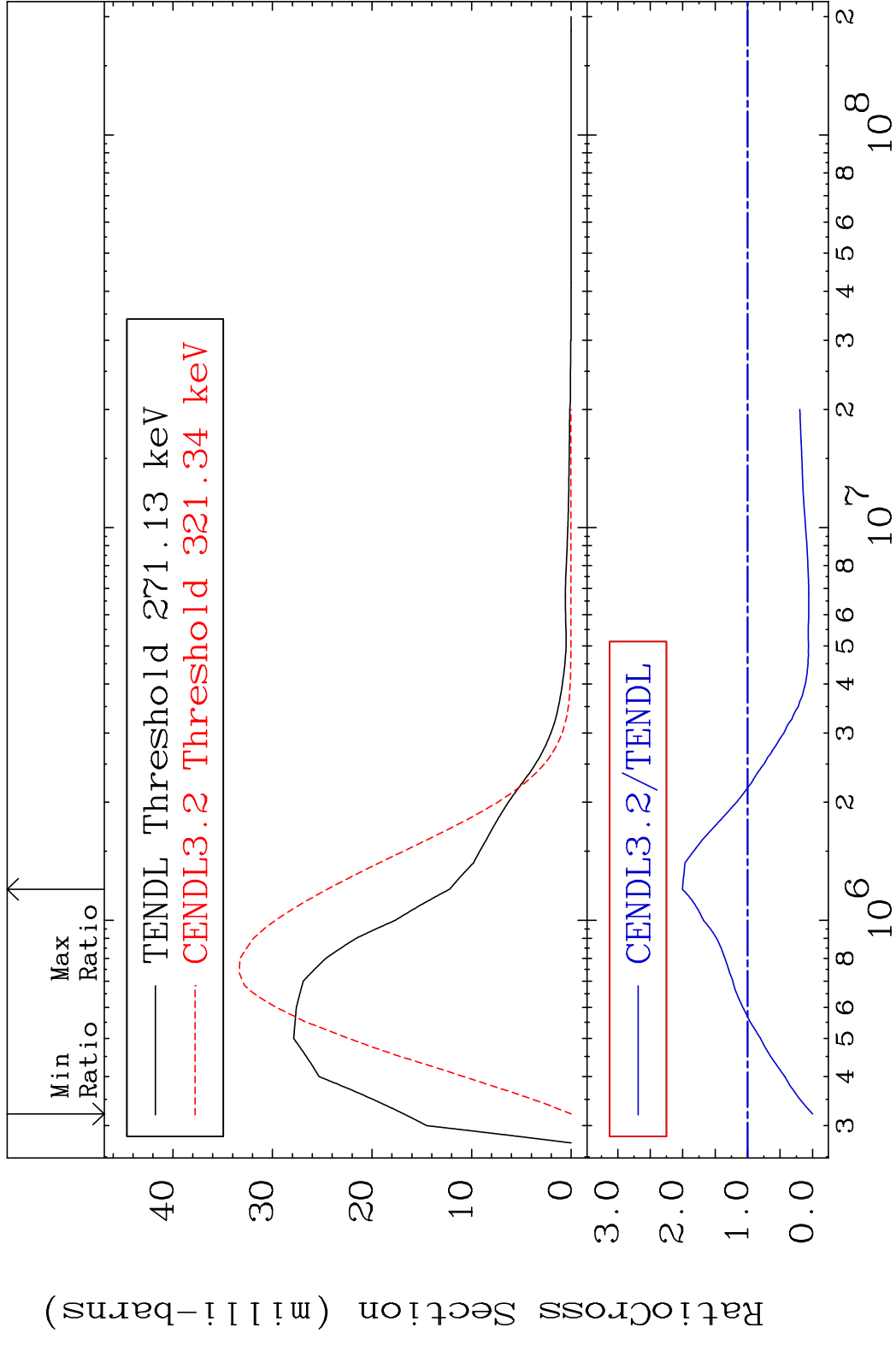
MAT 9543 MT= 56 (n, n') Level 95-Am-241
 Cross Section -77.73 To 9999. %



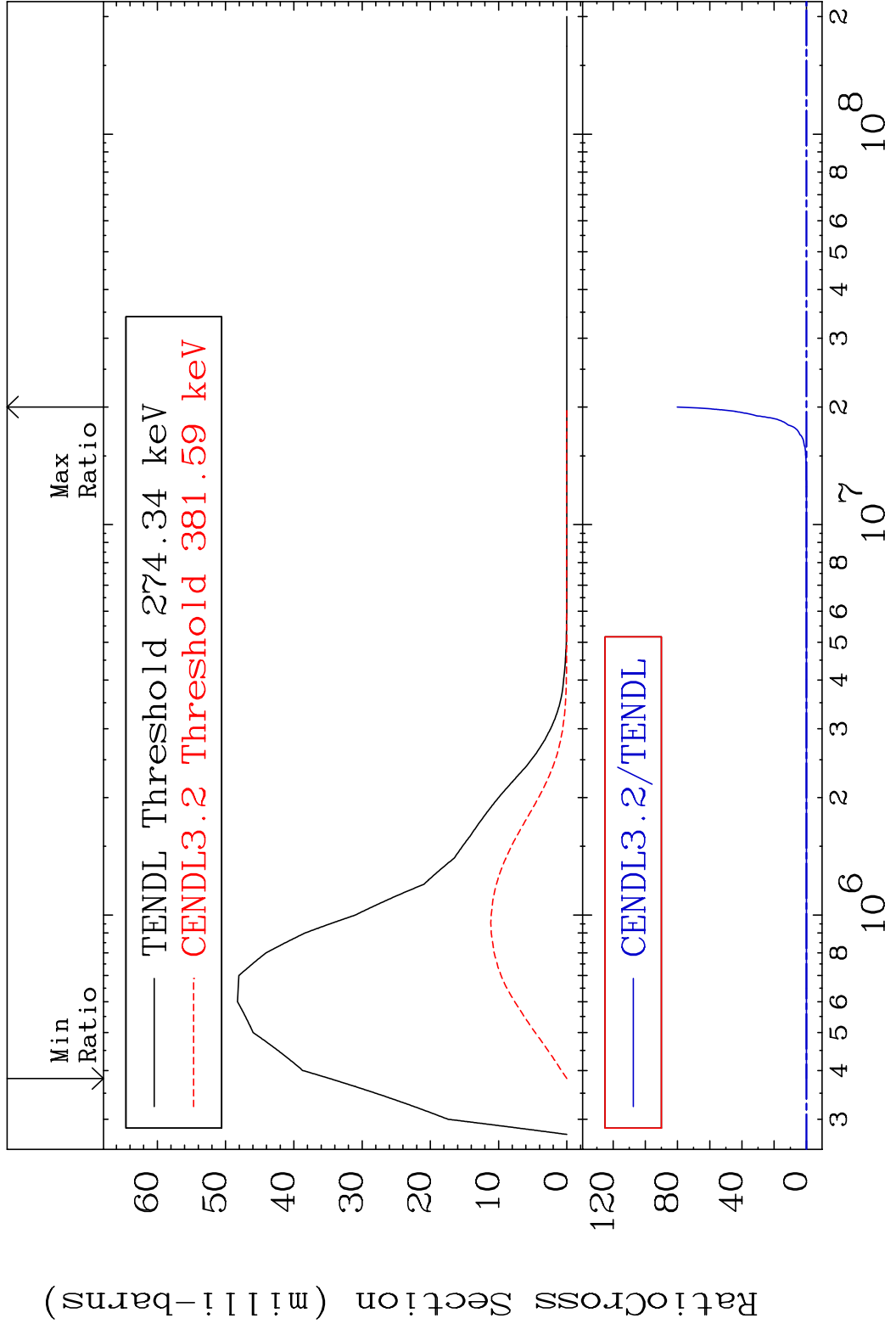
MAT 9543 MT= 57 (n,n') Level 95-Am-241
 Cross Section -100.0 To 80.89 %



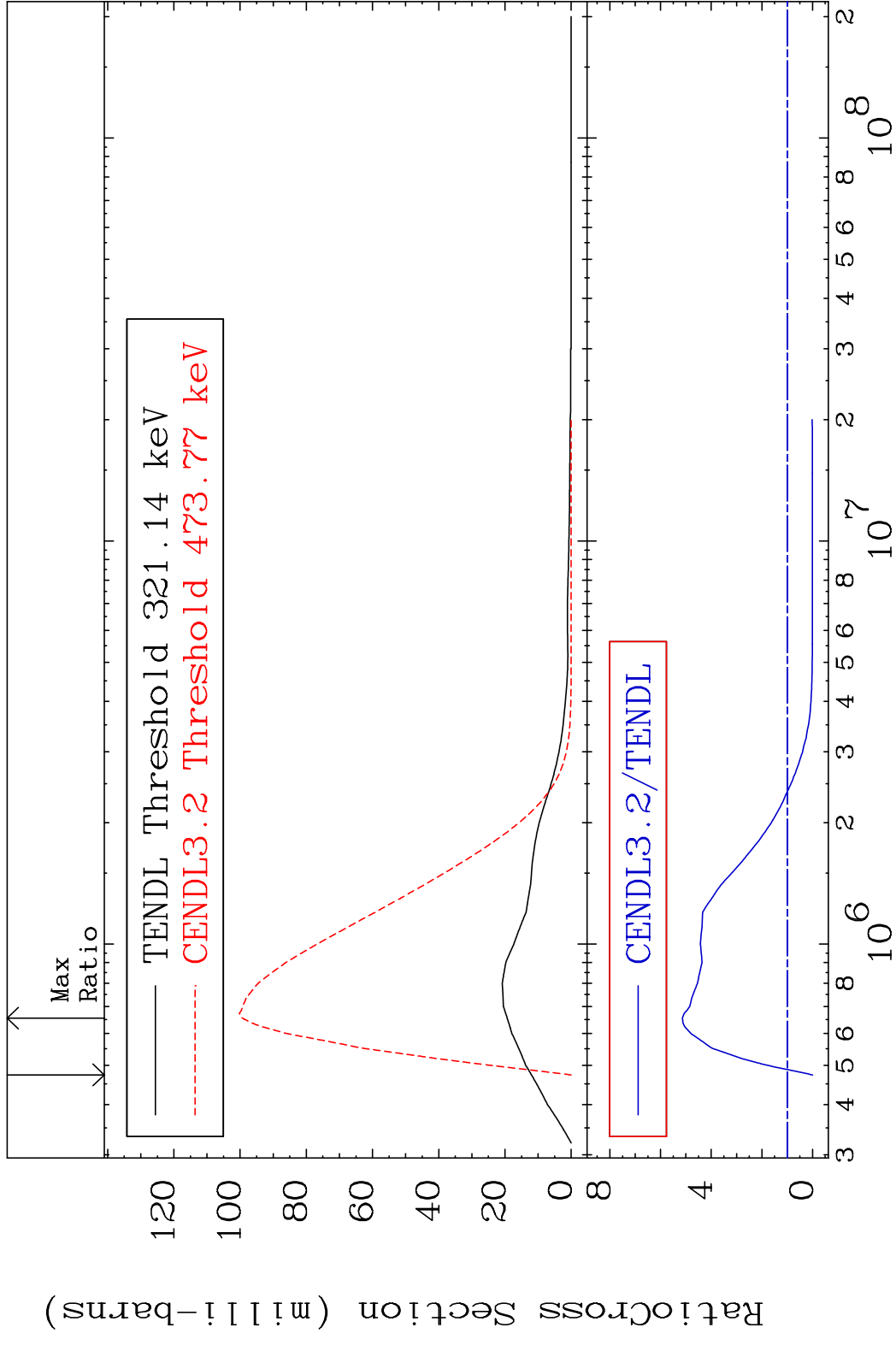
MAT 9543 MT= 58 (n, n') Level 95-Am-241
 Cross Section -100.0 To 100.5 %



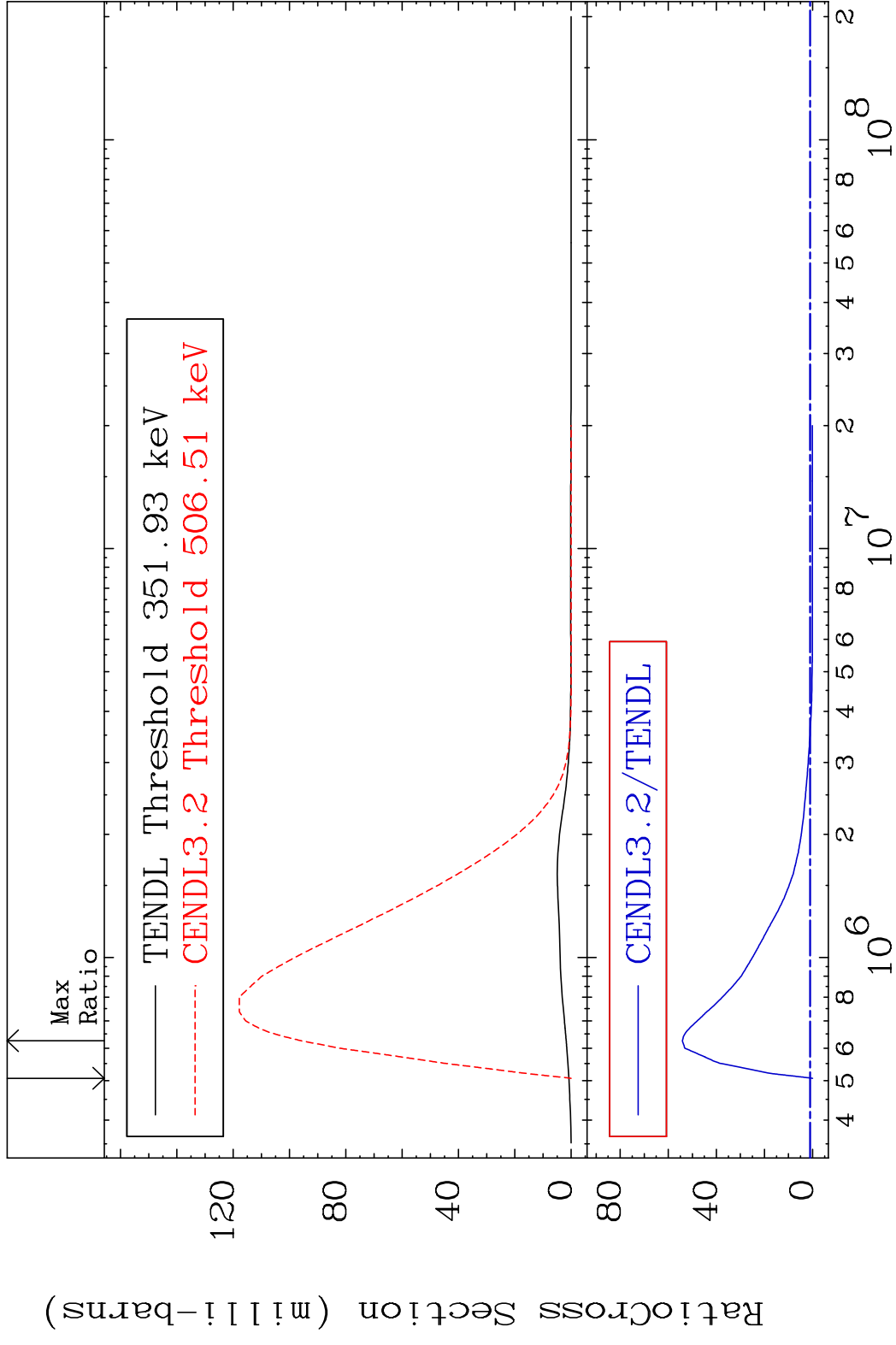
MAT 9543 MT= 59 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



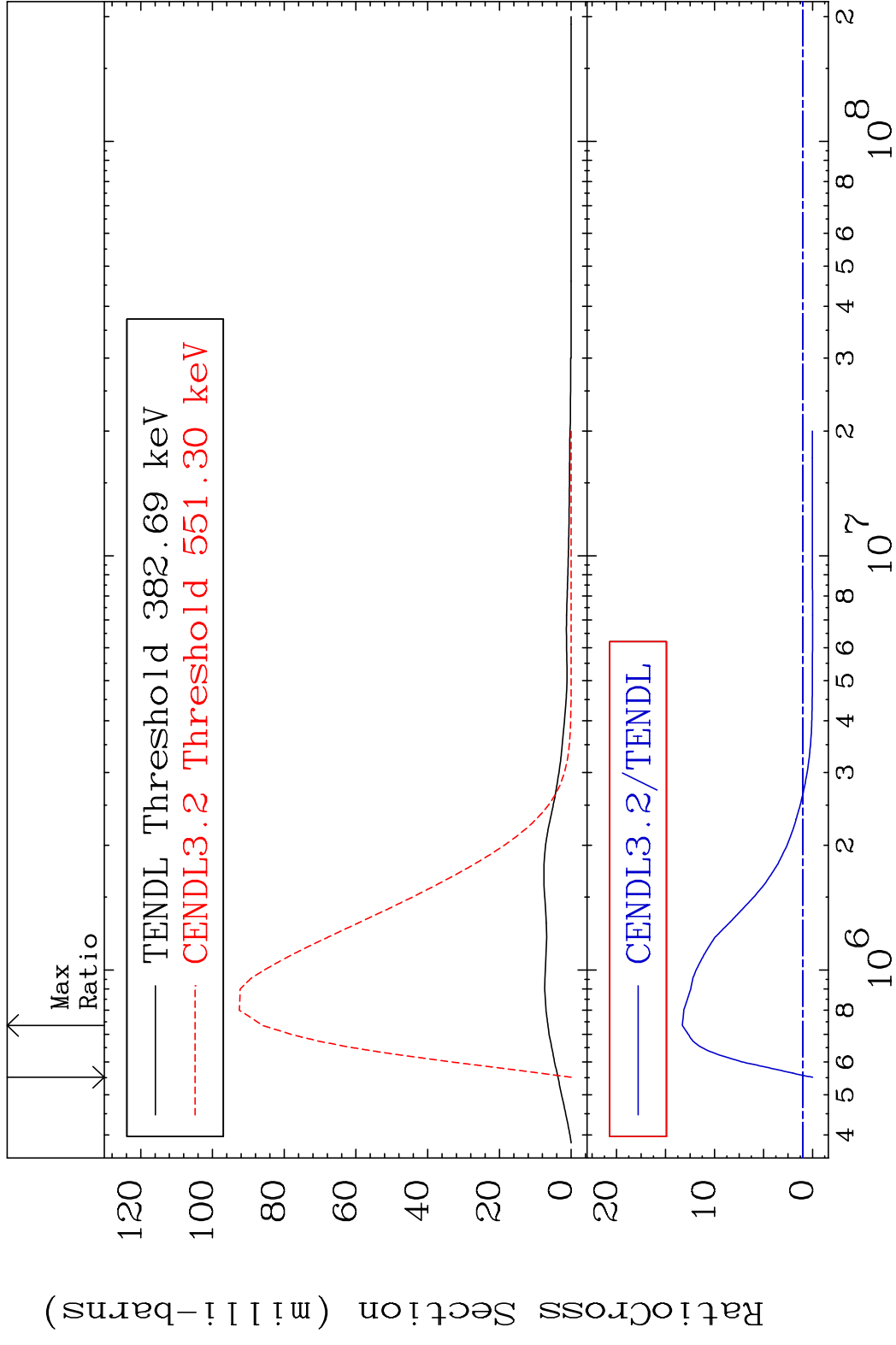
MAT 9543 MT= 60 (n, n') Level 95-Am-241
 Cross Section -100.0 To 413.9 %



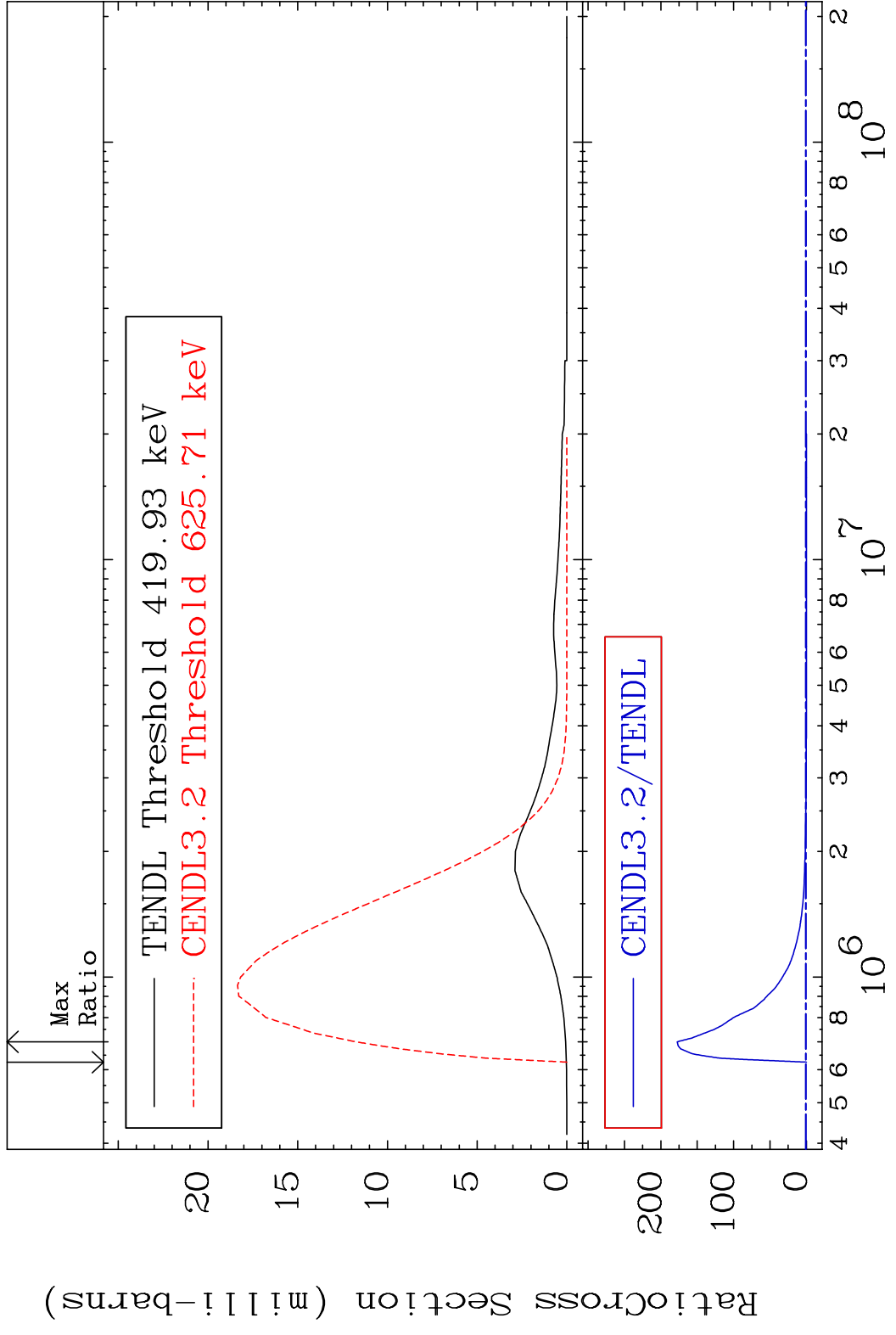
MAT 9543 MT= 61 (n, n') Level 95-Am-241
 Cross Section -100.0 To 5314. %



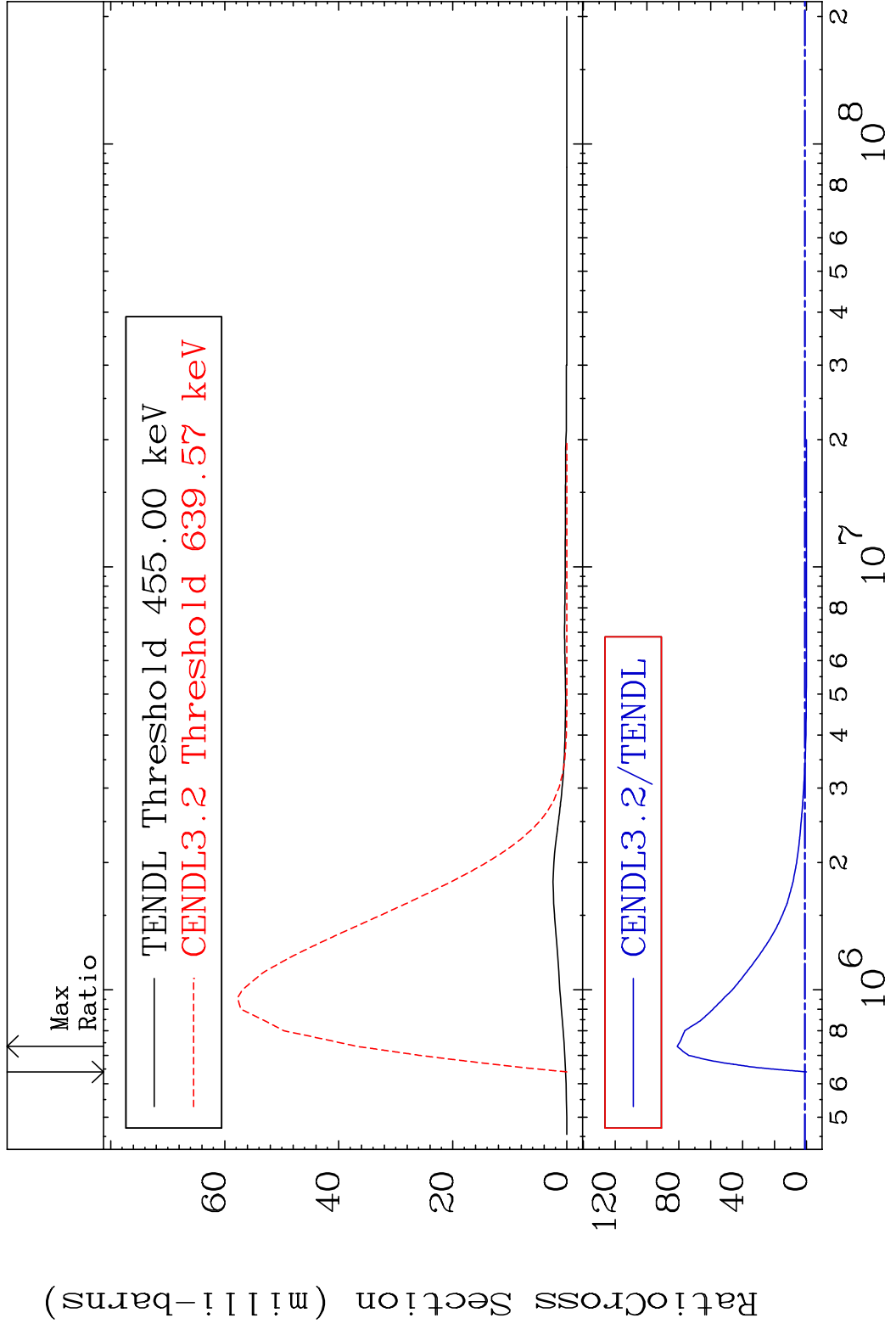
MAT 9543 MT= 62 (n, n') Level 95-Am-241
 Cross Section -100.0 To 1229. %



MAT 9543 MT= 63 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %

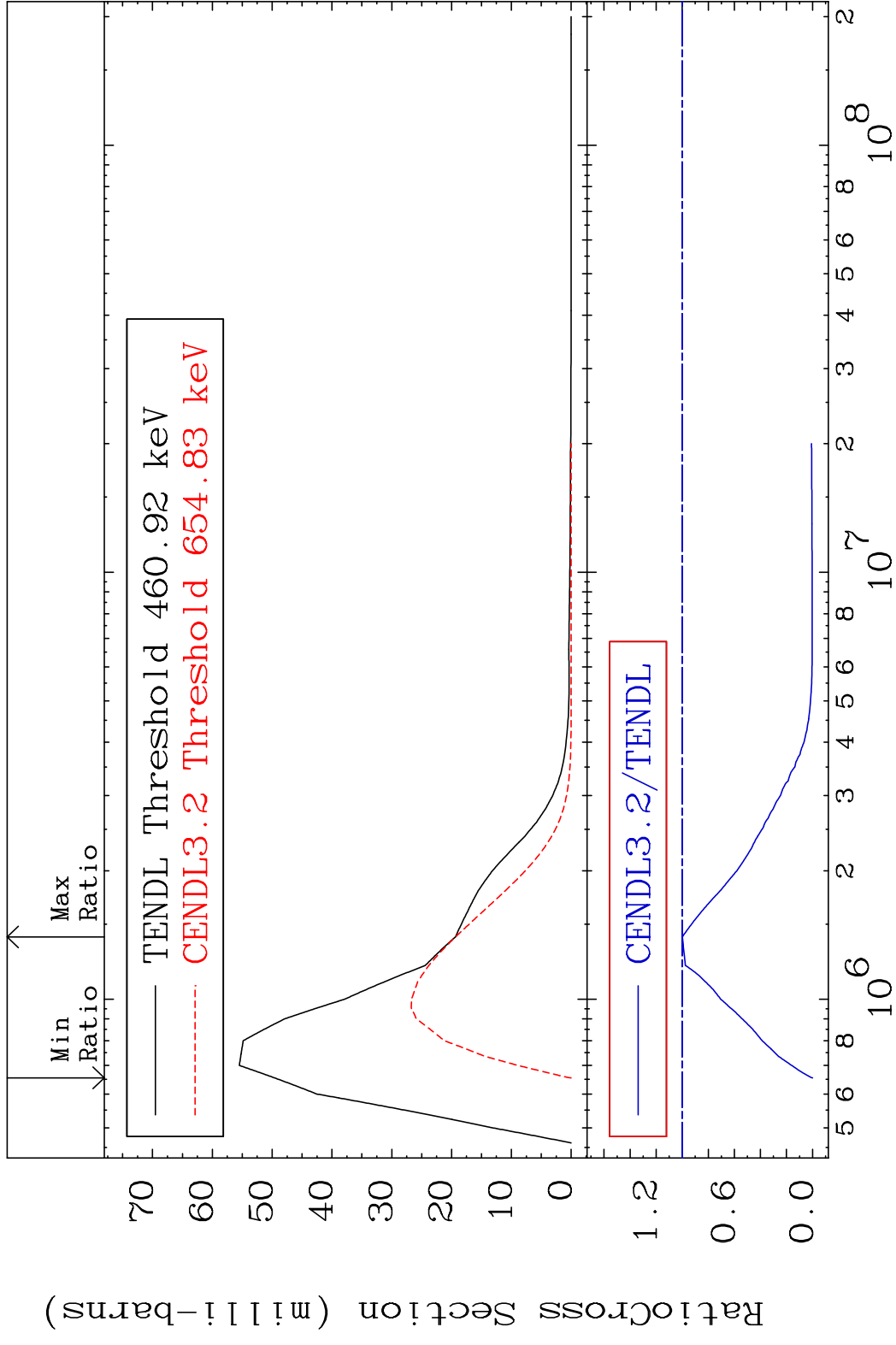


MAT 9543 MT= 64 (n, n') Level 95-Am-241
 Cross Section -100.0 To 8005. %

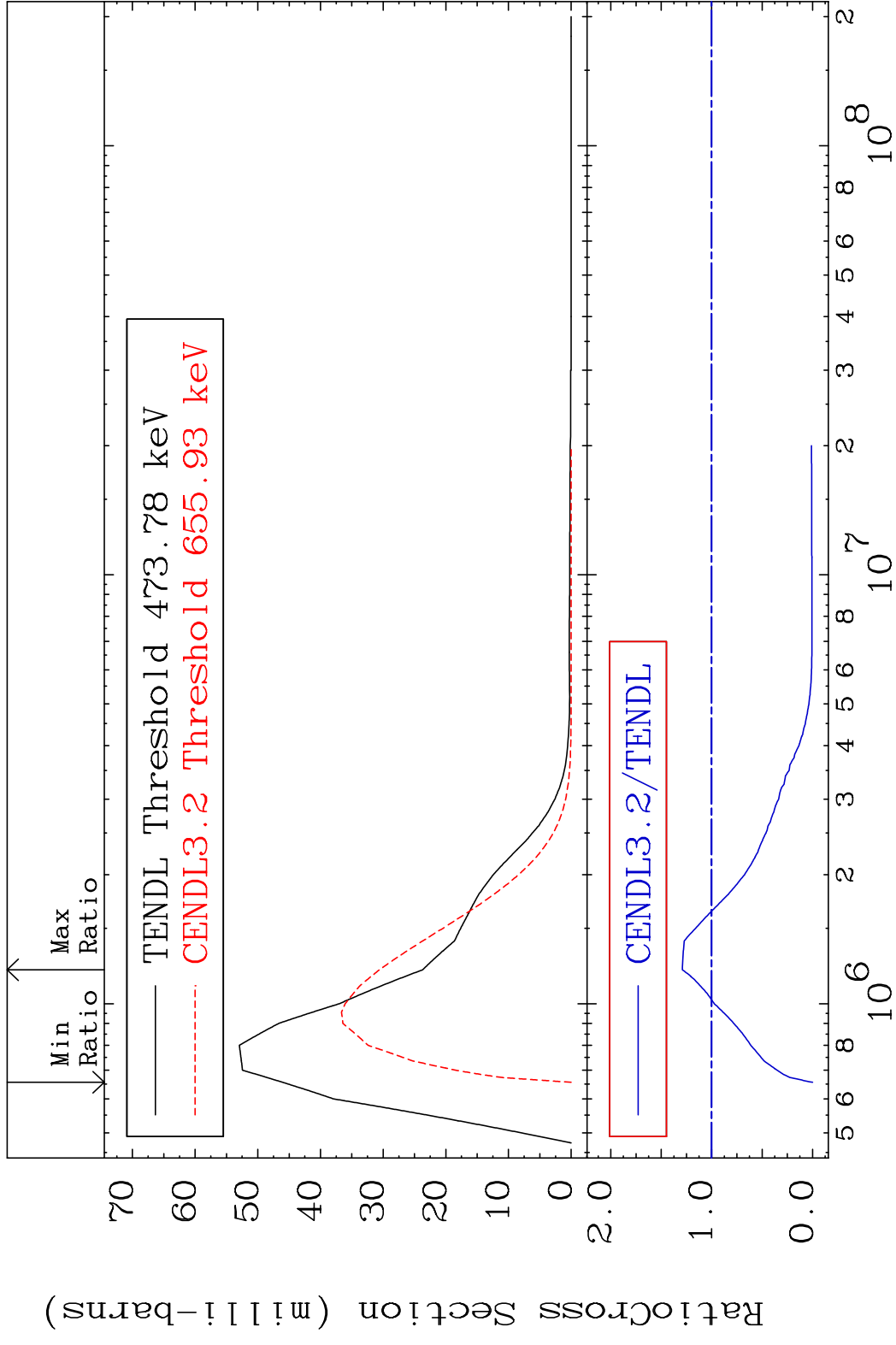


20 Incident Energy (eV) 95-Am-241

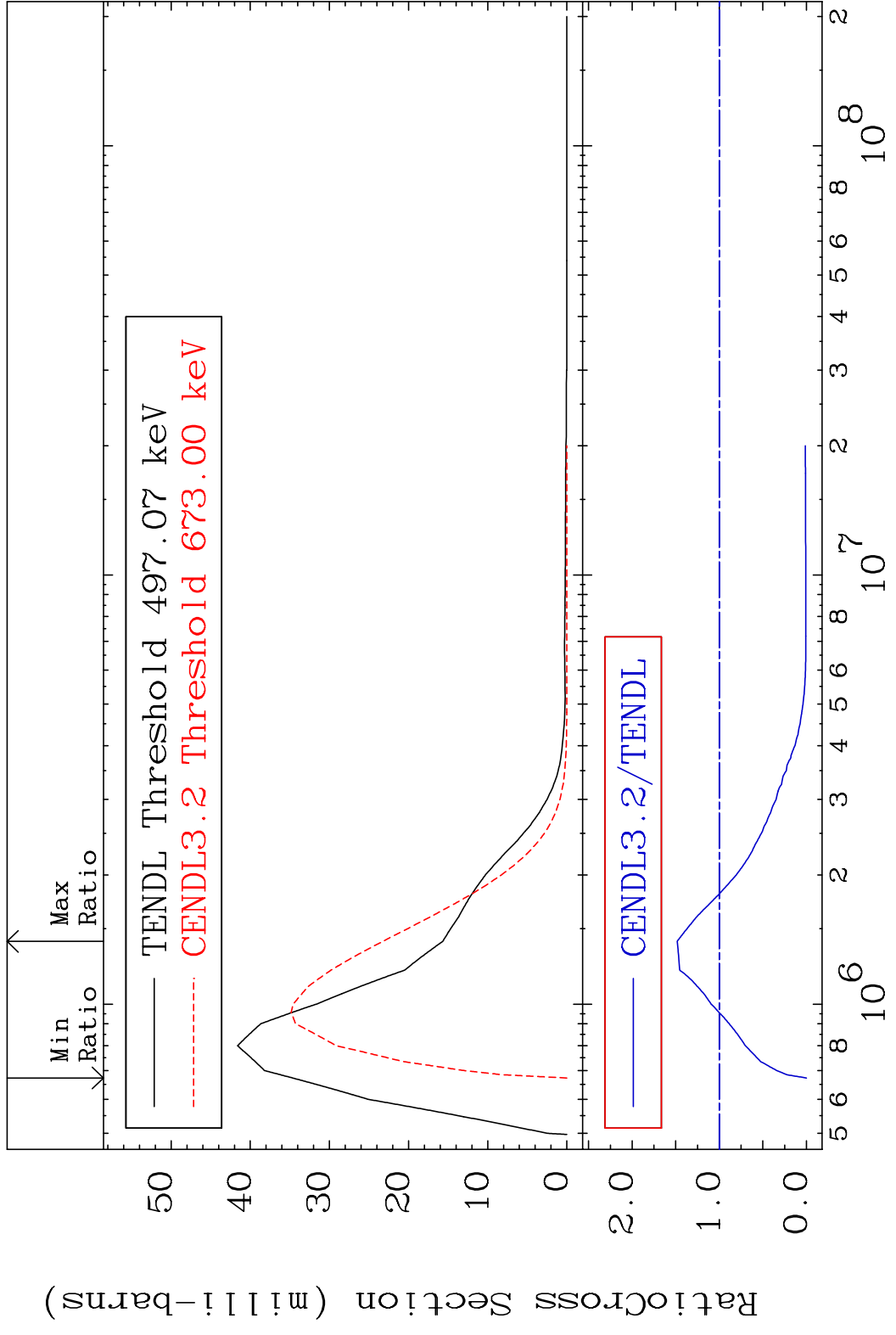
MAT 9543 MT= 65 (n, n') Level 95-Am-241
 Cross Section -100.0 To -0.092%



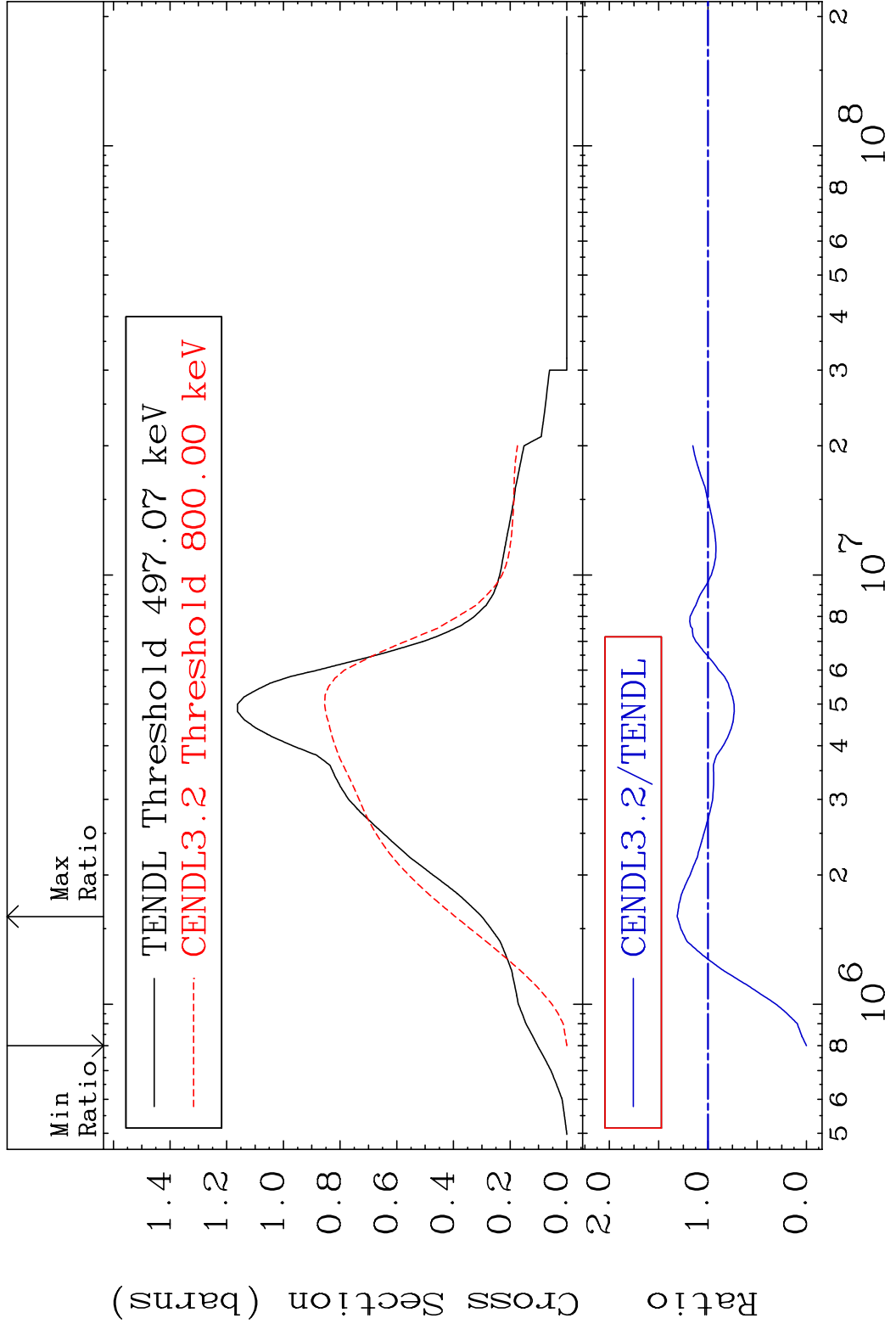
MAT 9543 MT= 66 (n, n') Level 95-Am-241
 Cross Section -100.0 To 29.07 %



MAT 9543 MT= 67 (n, n') Level 95-Am-241
 Cross Section -100.0 To 48.30 %



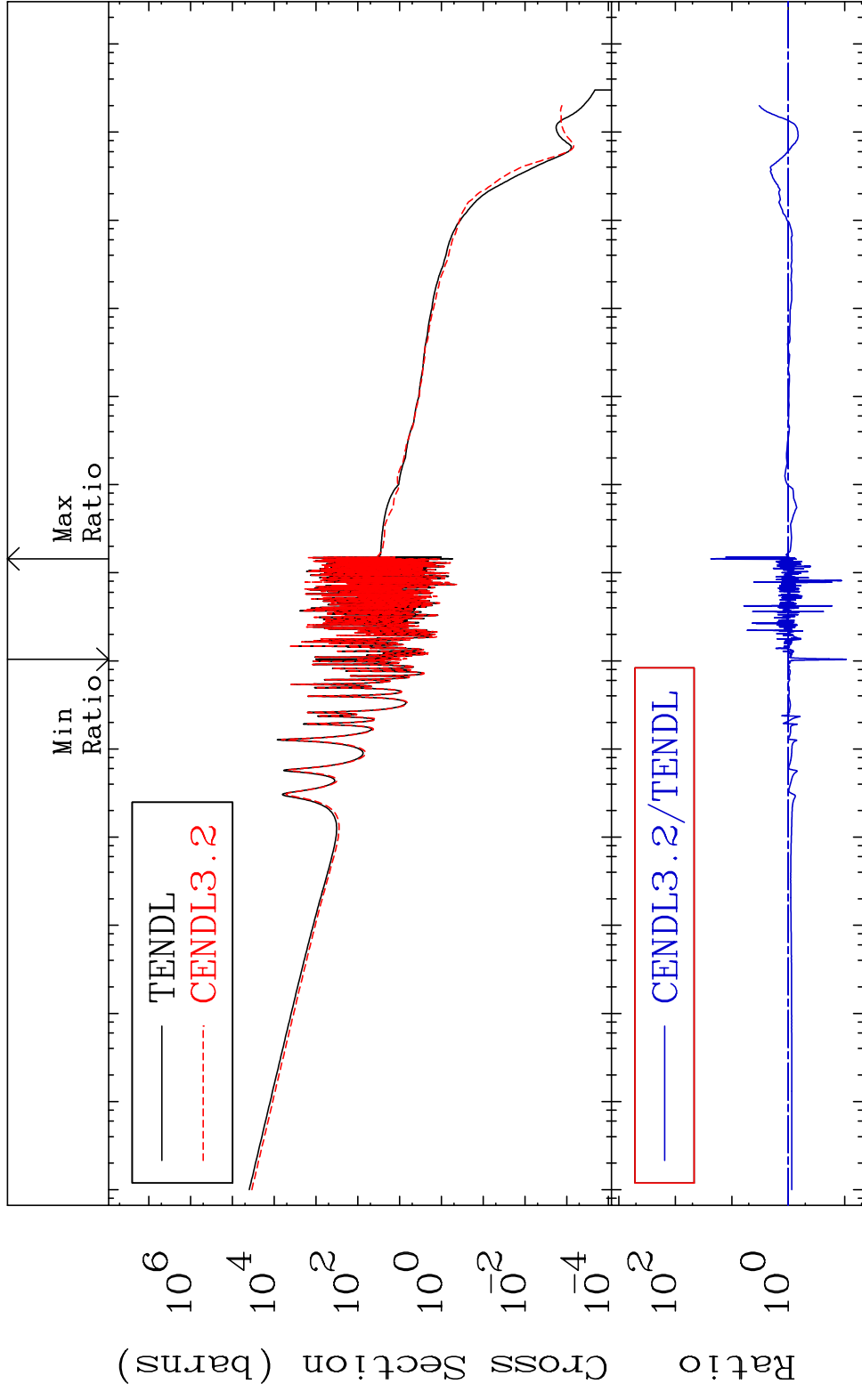
MAT 9543 (n, n') Continuum 95-Am-241
 Cross Section -100.0 To 31.18 %



MAT 9543

(n, γ)
Cross Section -90.64 To 2265. %

95-Am-241

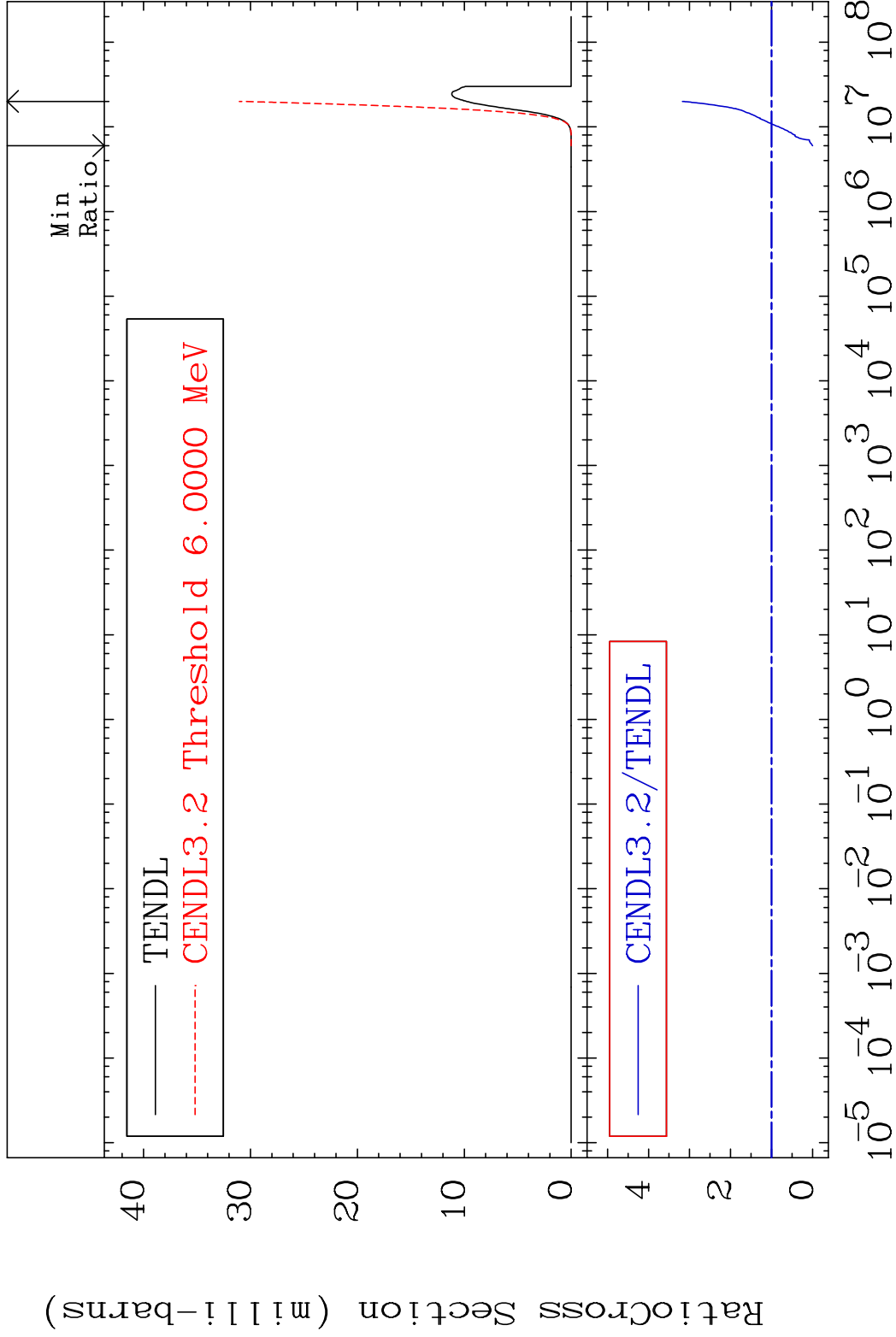


MAT 9543

(n, p)

95-Am-241

Cross Section -100.0 To 217.5 %

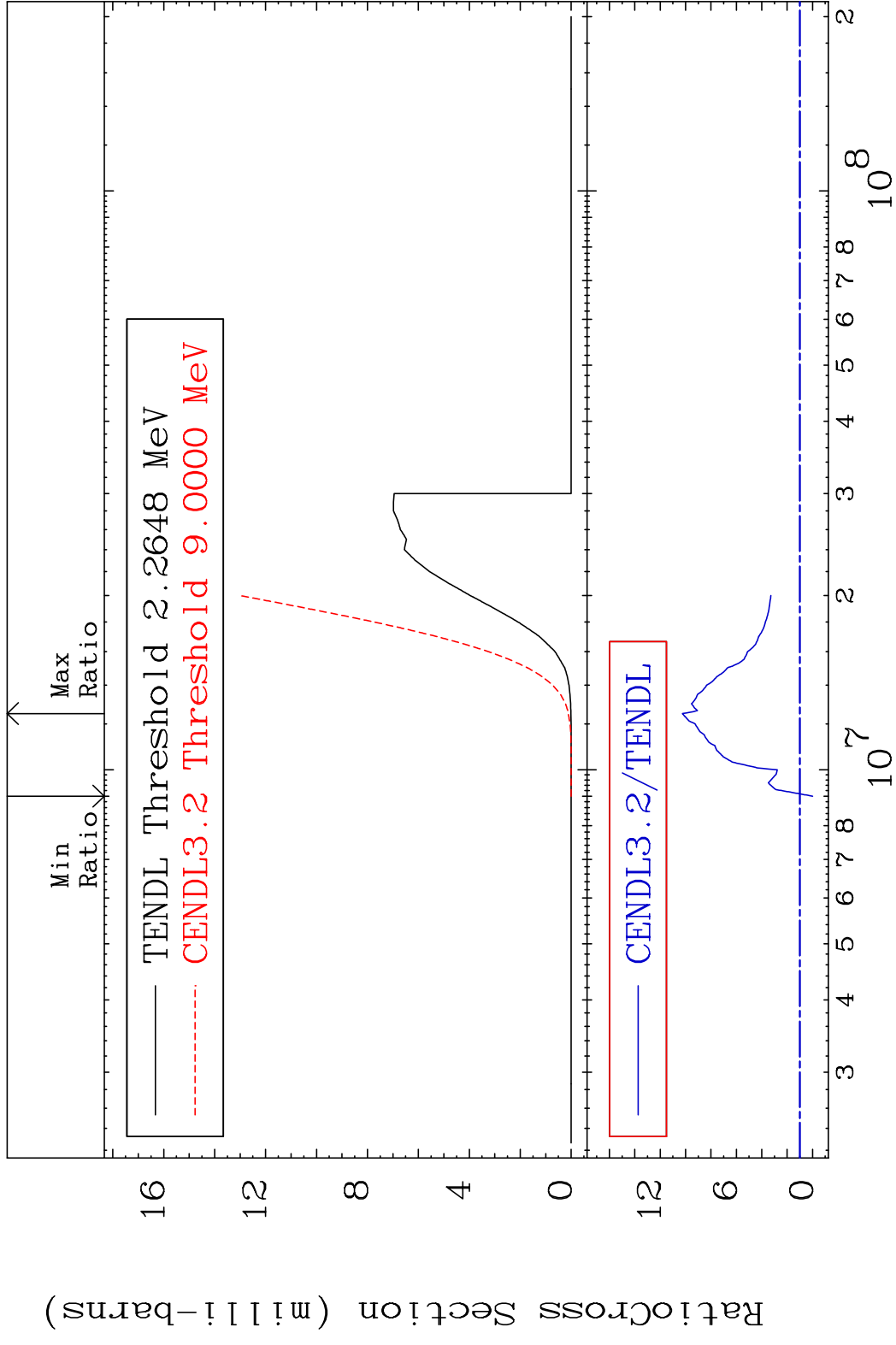


26

Incident Energy (eV)

95-Am-241

MAT 9543 (n, d) 95-Am-241
 Cross Section -100.0 To 925.4 %

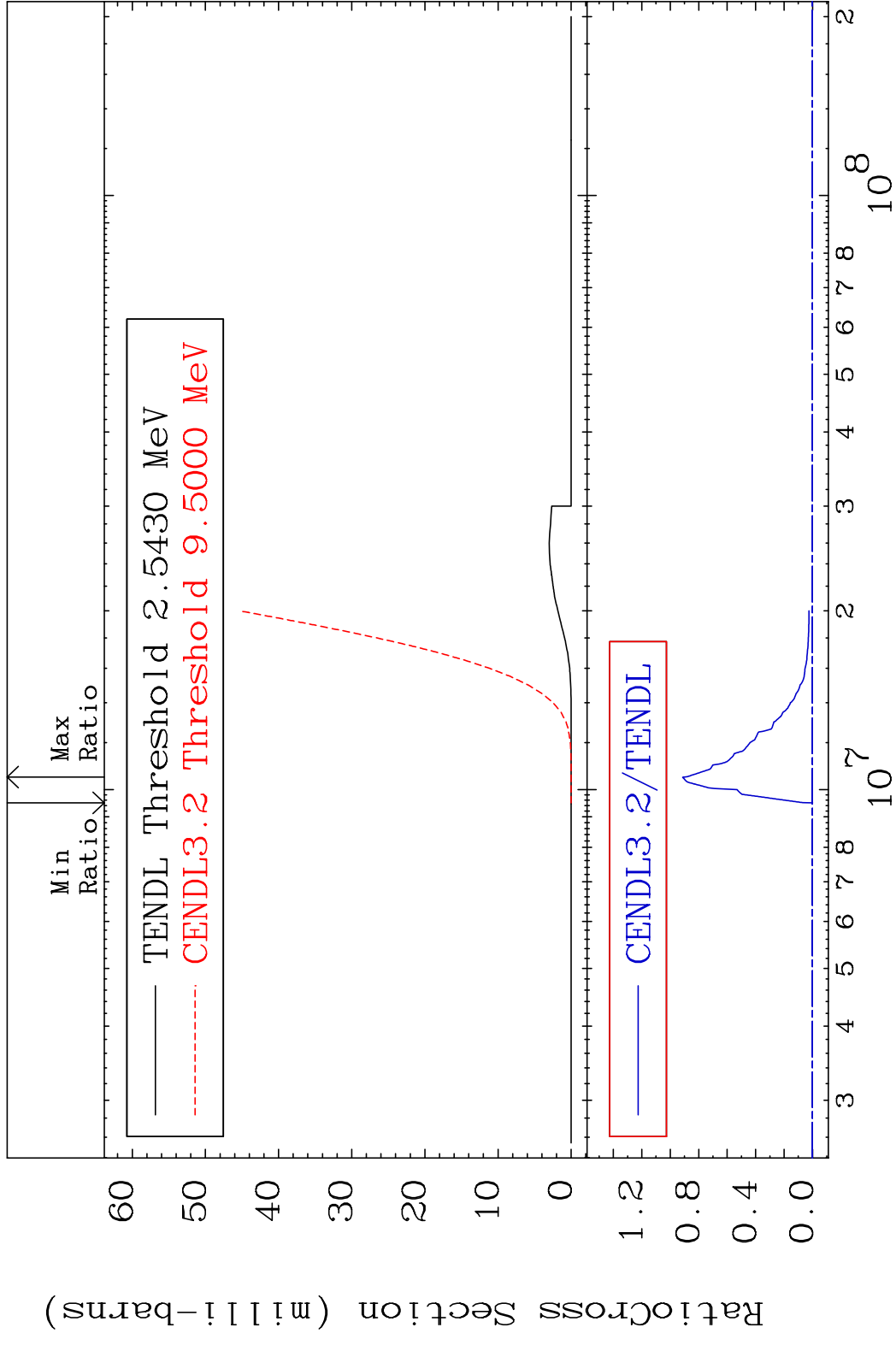


MAT 9543

(n, t)

95-Am-241

Cross Section -100.0 To 9999. %

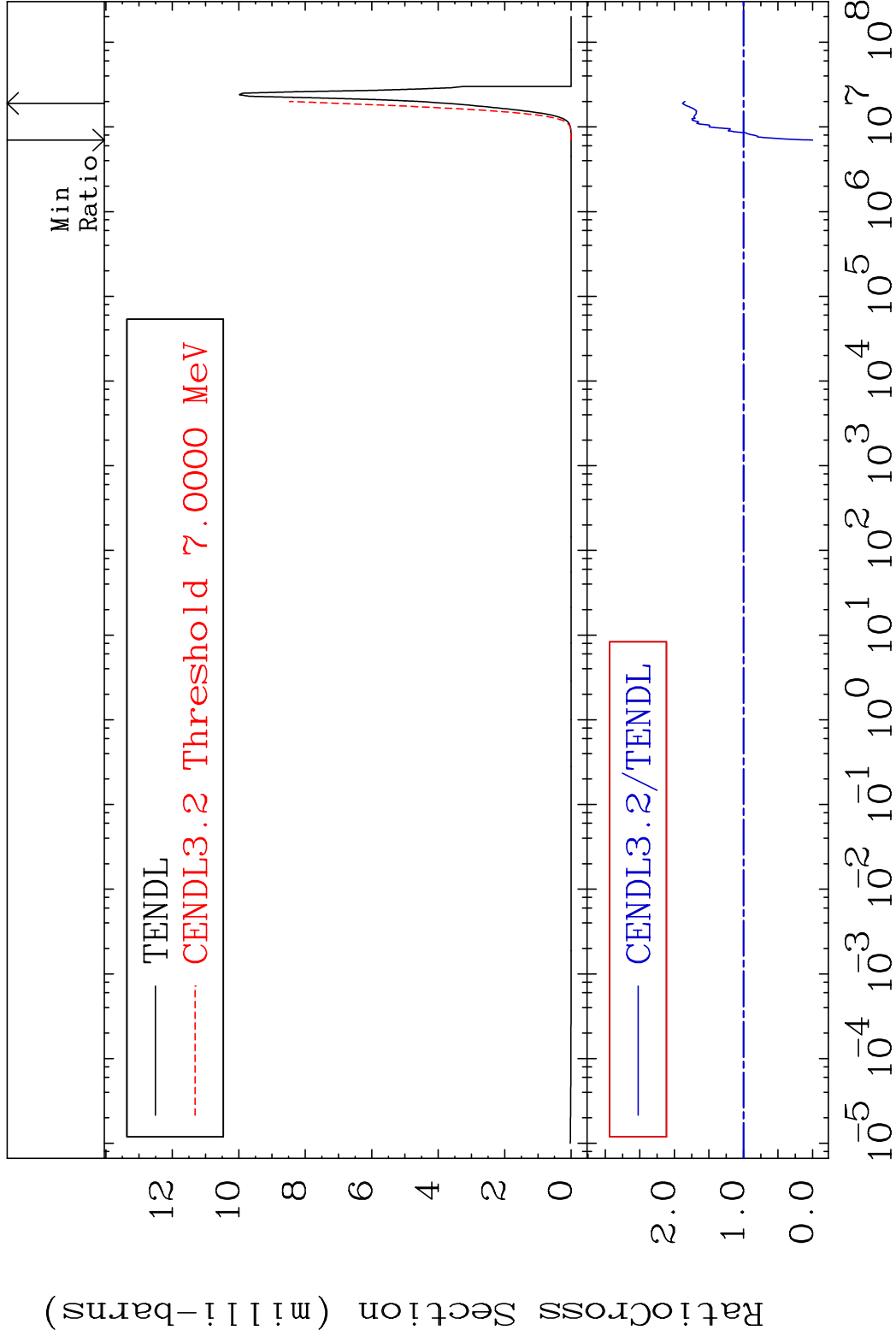


MAT 9543

(n, α)

95-Am-241

Cross Section -100.0 To 88.43 %



29

Incident Energy (eV)

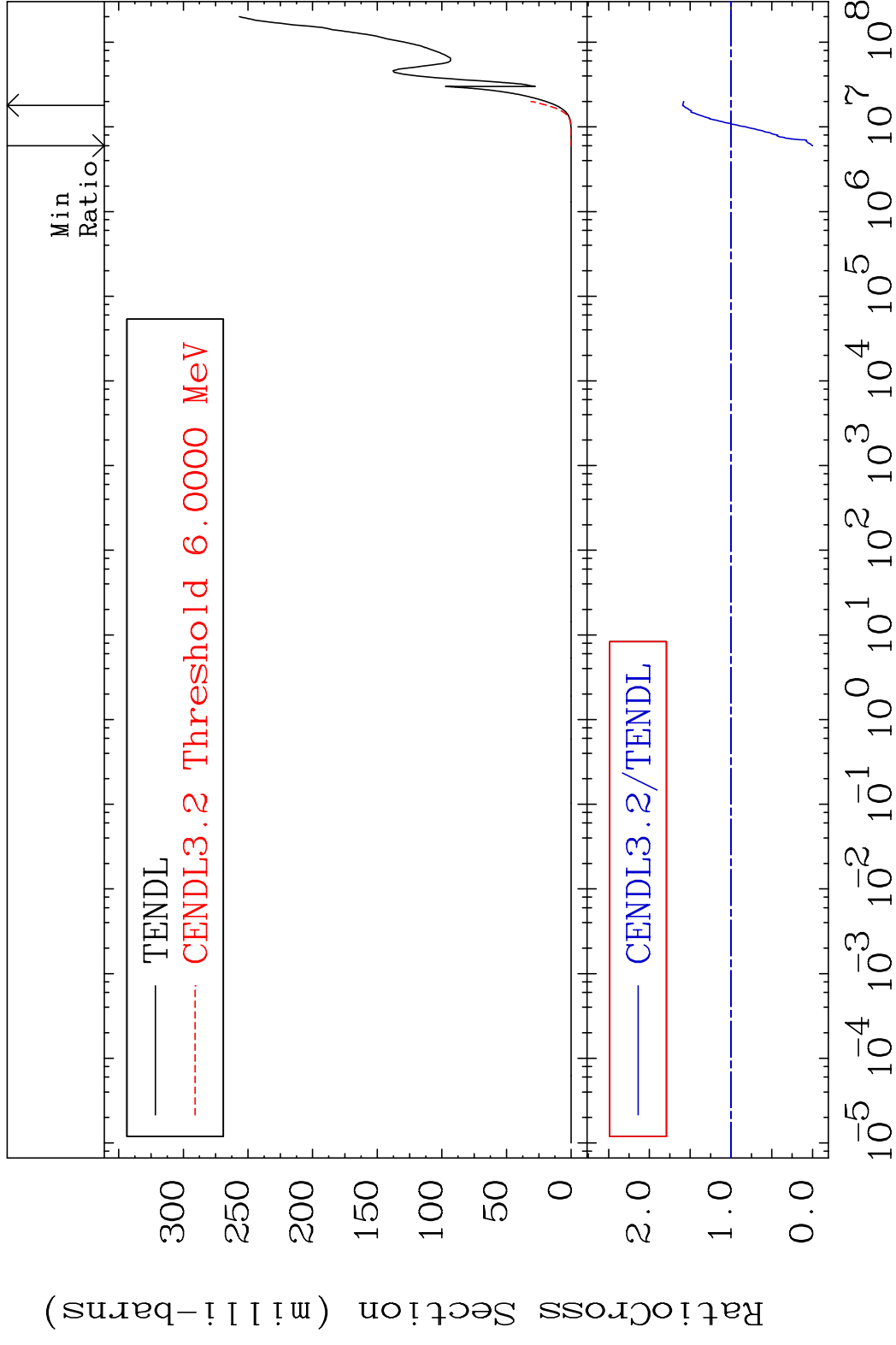
95-Am-241

MAT 9543

Hydrogen Production

95-Am-241

Cross Section -100.0 To 59.61 %

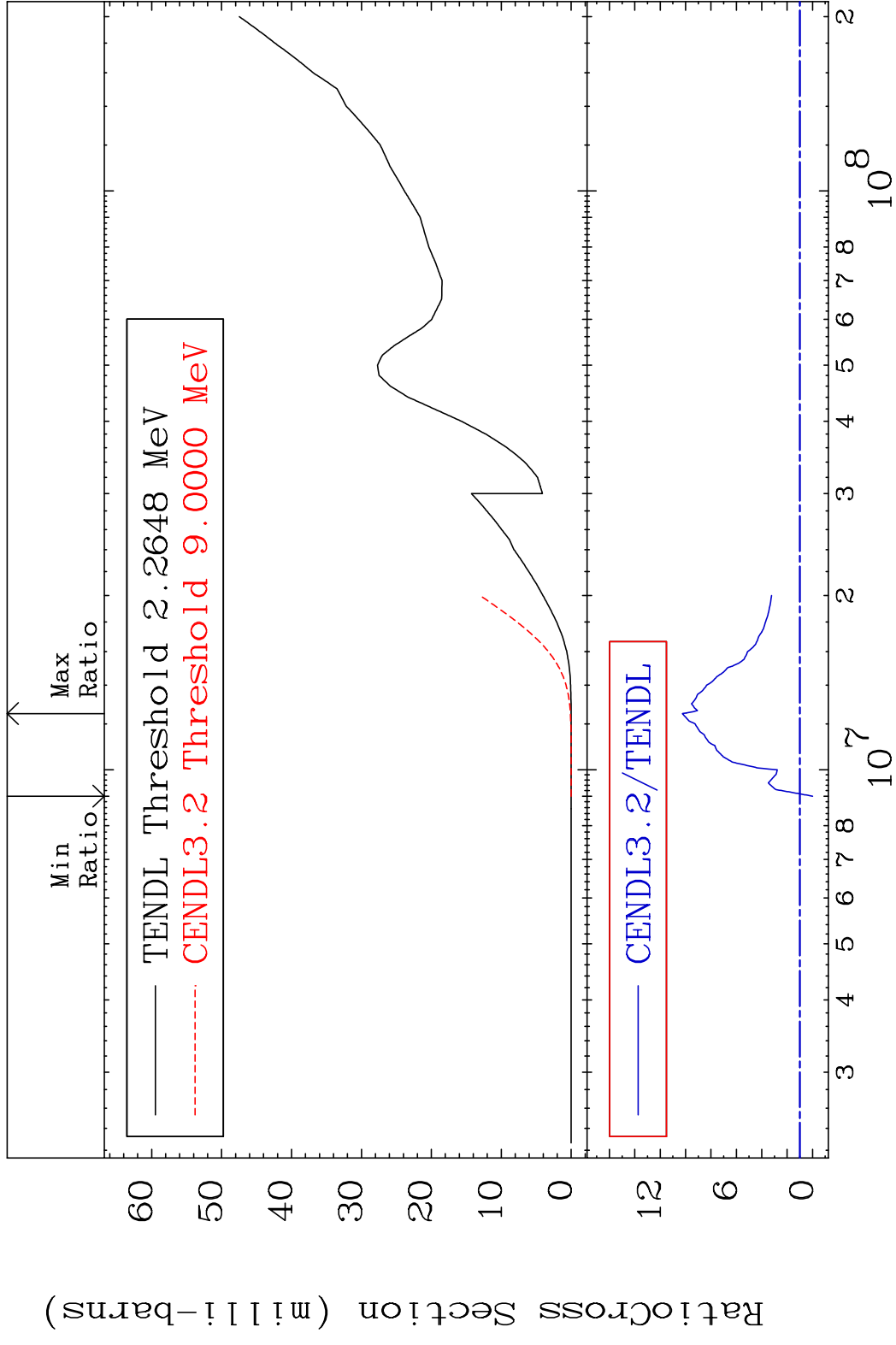


30

Incident Energy (eV)

95-Am-241

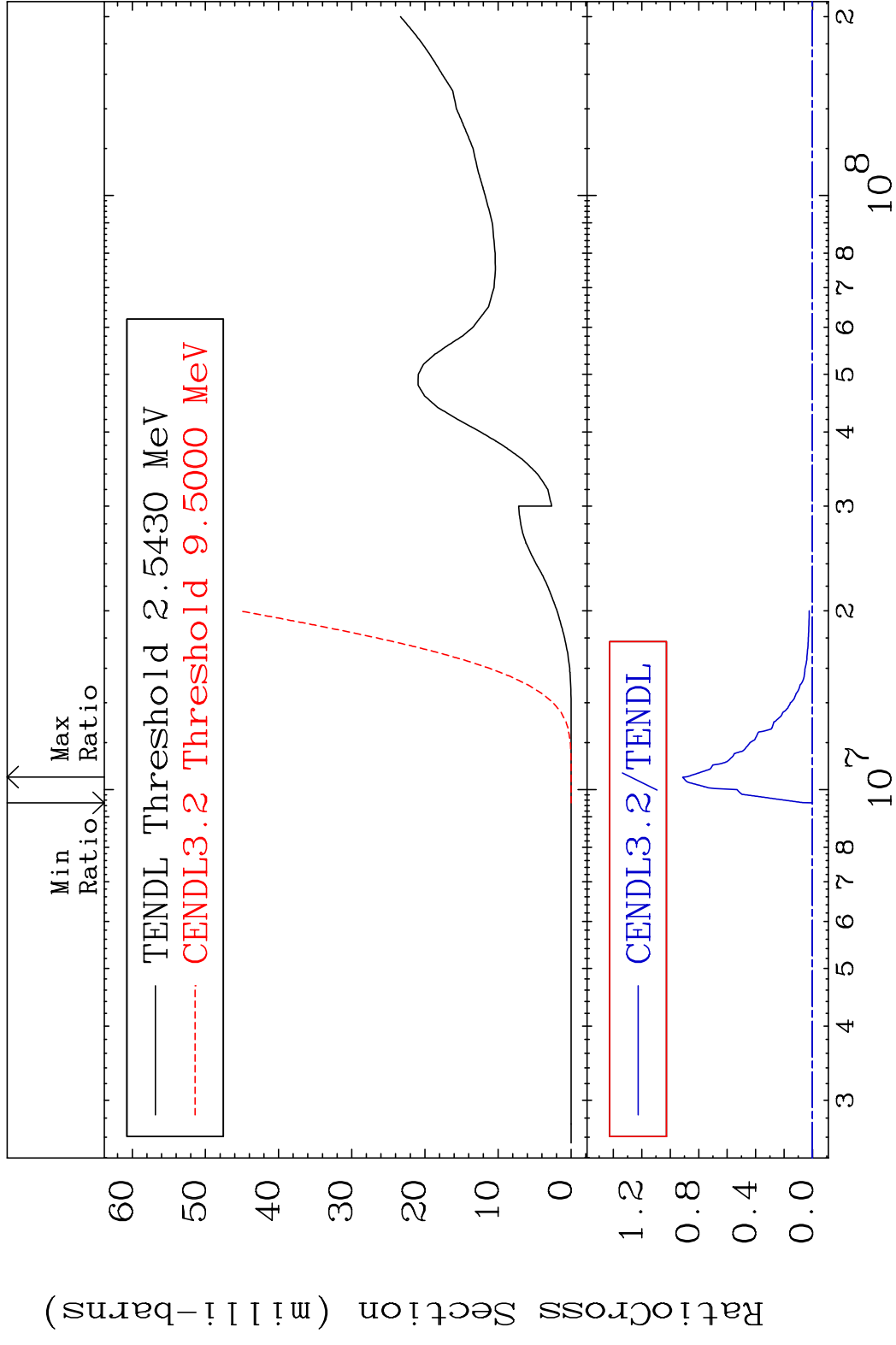
MAT 9543 Deuterium Production 95-Am-241
 Cross Section -100.0 To 925.4 %



31 Incident Energy (eV) 95-Am-241

MAT 9543

Tritium Production 95-Am-241
Cross Section -100.0 To 9999. %

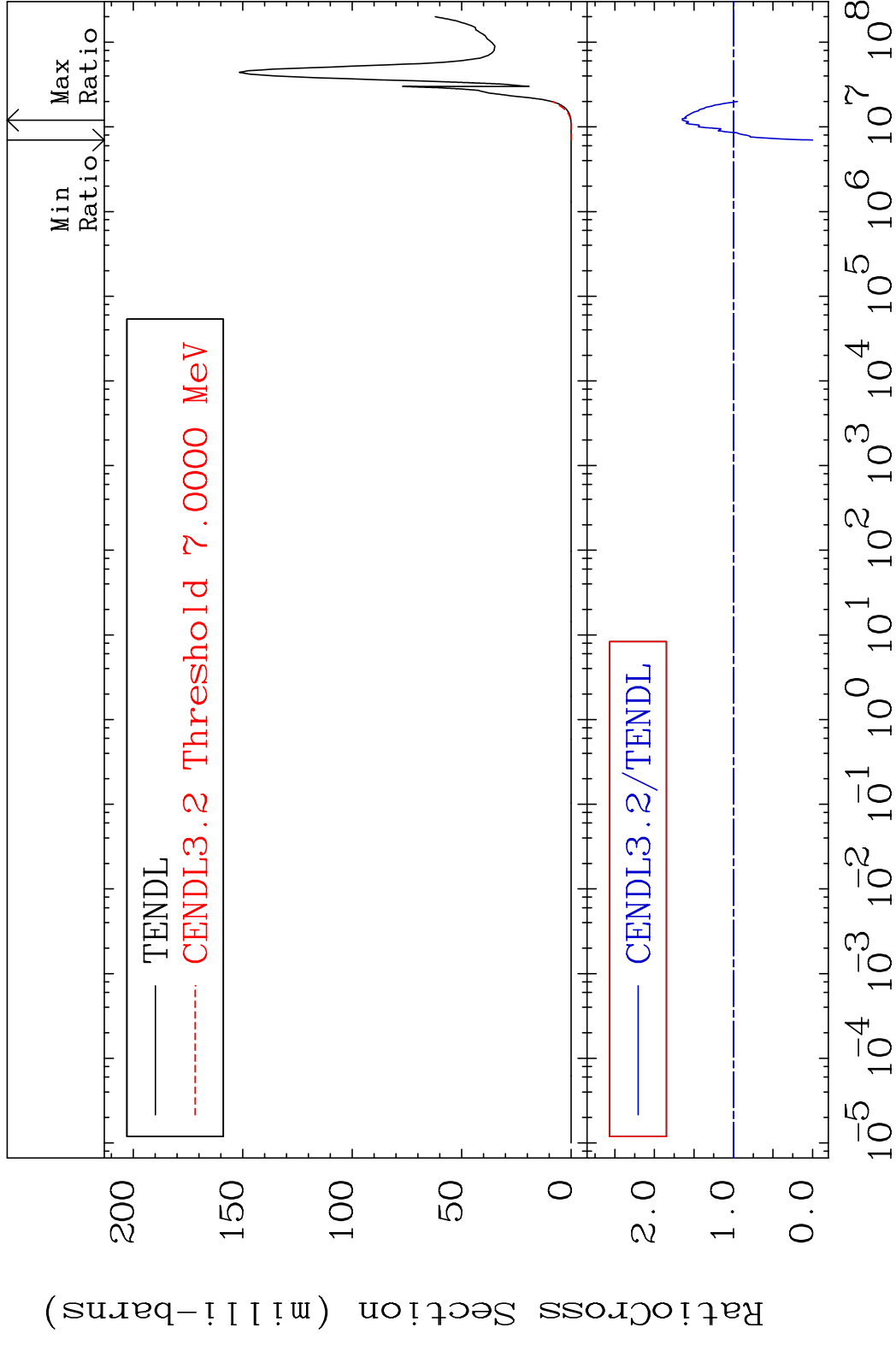


MAT 9543

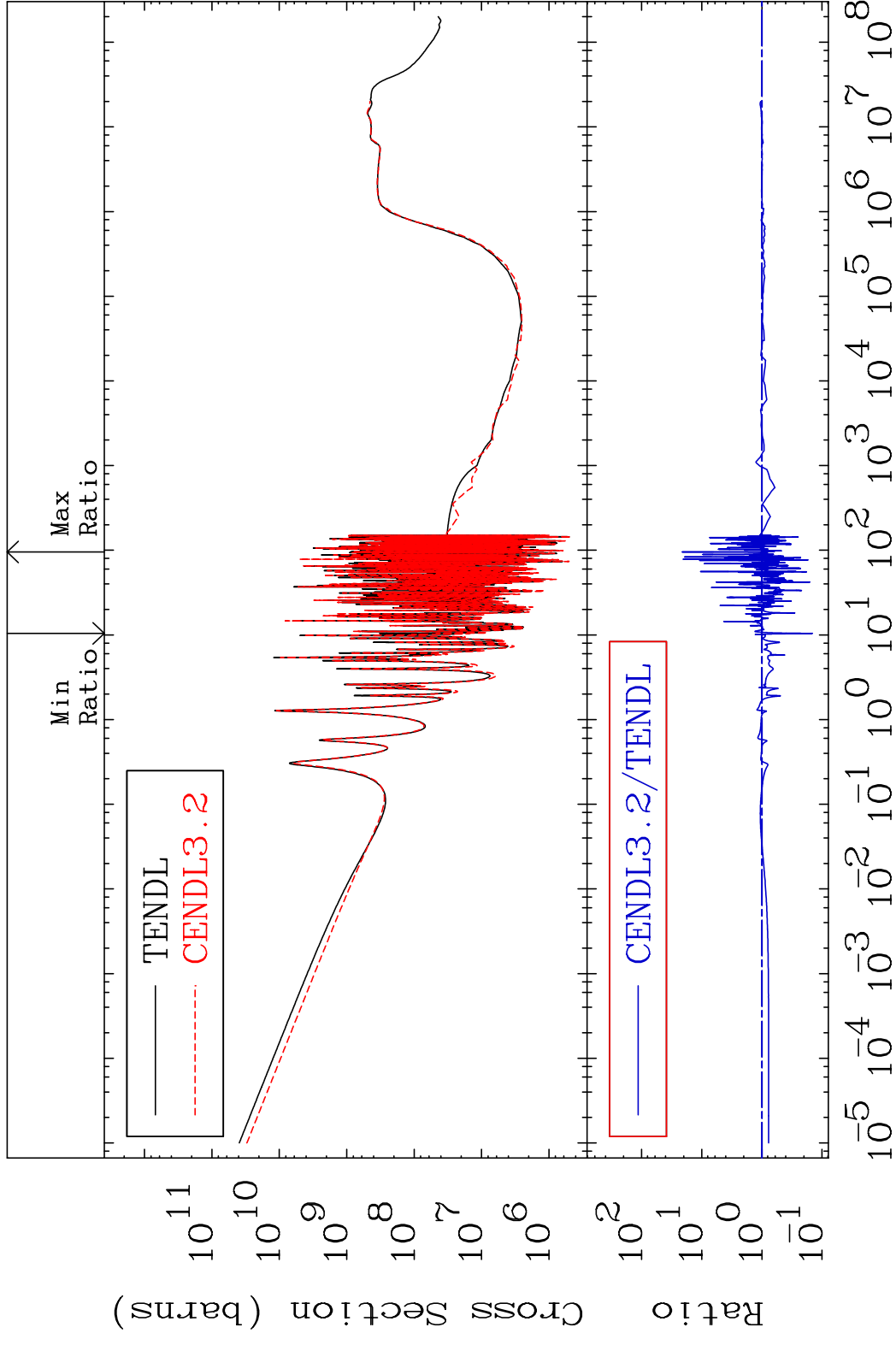
He-4 Production

95-Am-241

Cross Section -100.0 To 64.66 %

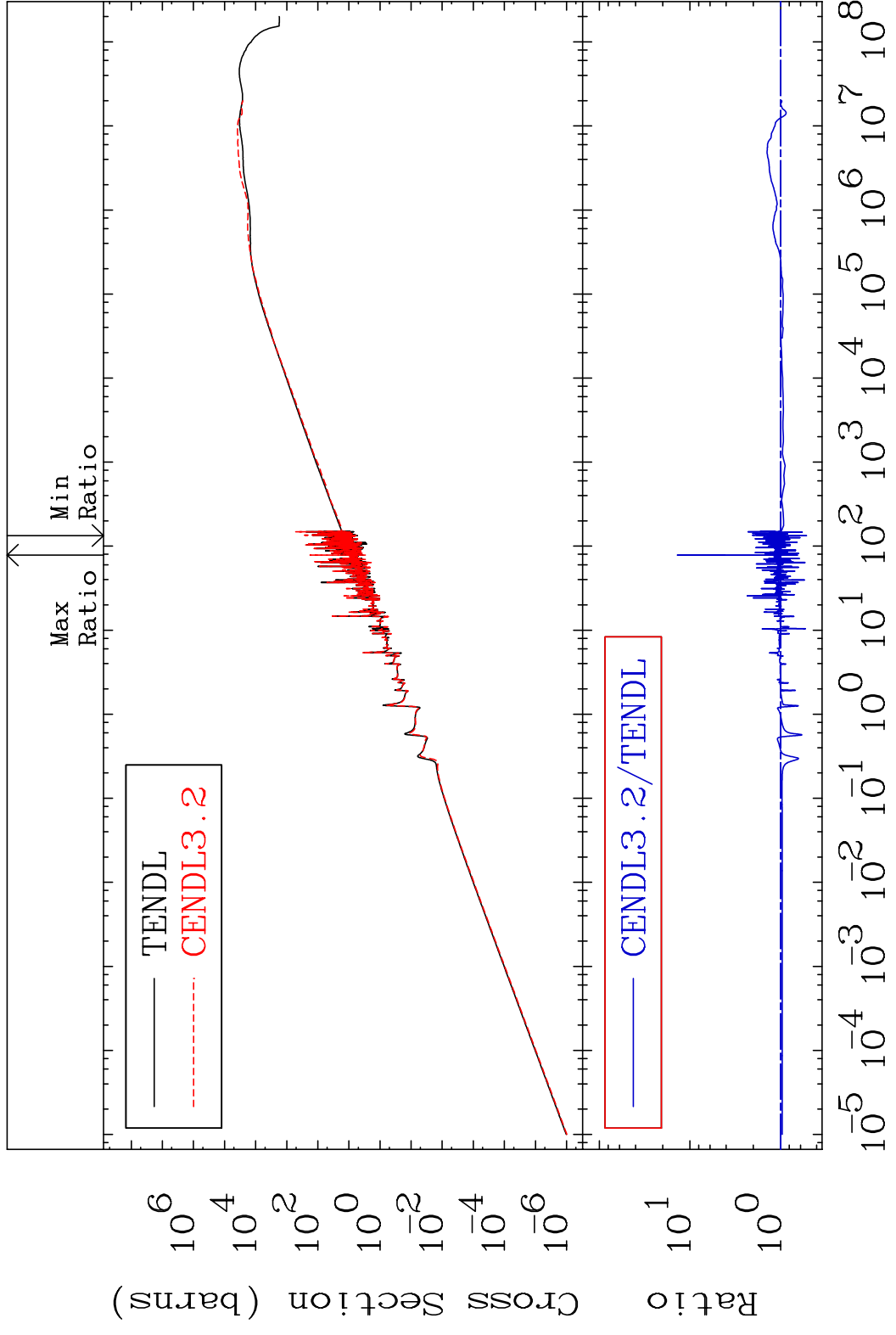


MAT 9543 Kerma total (eV-barns) 95-Am-241
 Cross Section -85.65 To 2005. %



MAT 9543

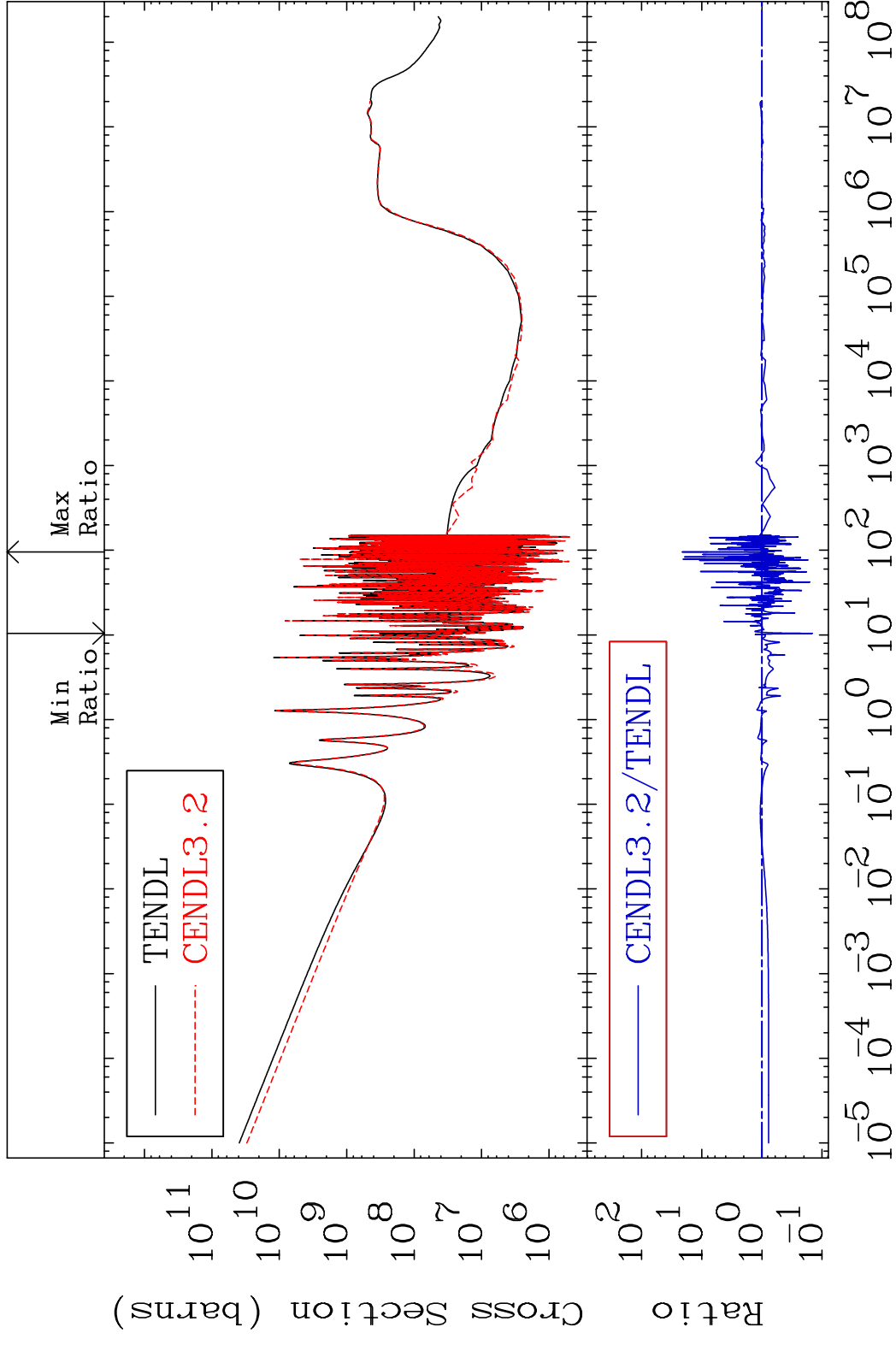
Kerma elastic Cross Section -48.19 To 1285. %
95-Am-241



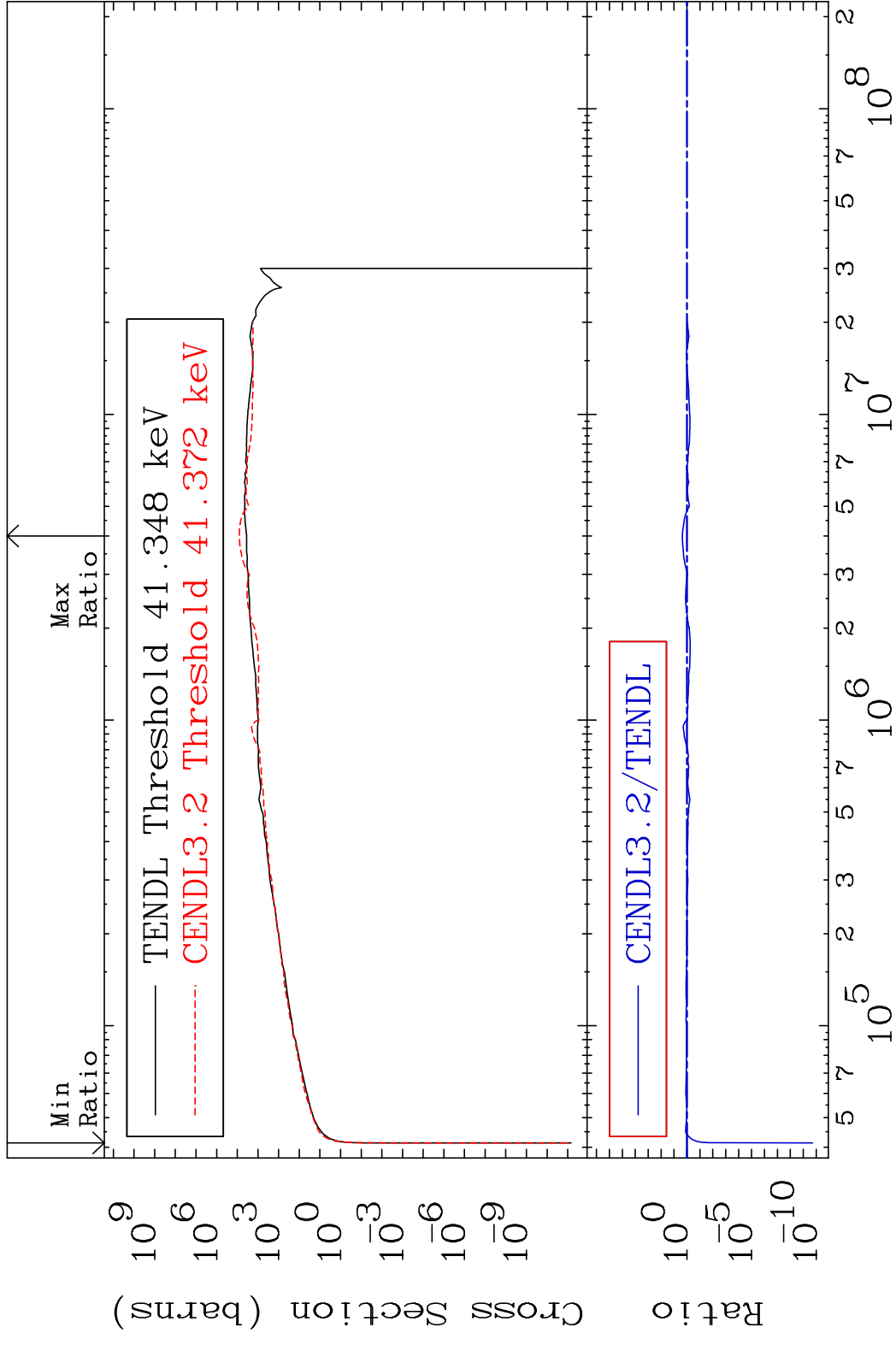
35

Incident Energy (eV) 95-Am-241

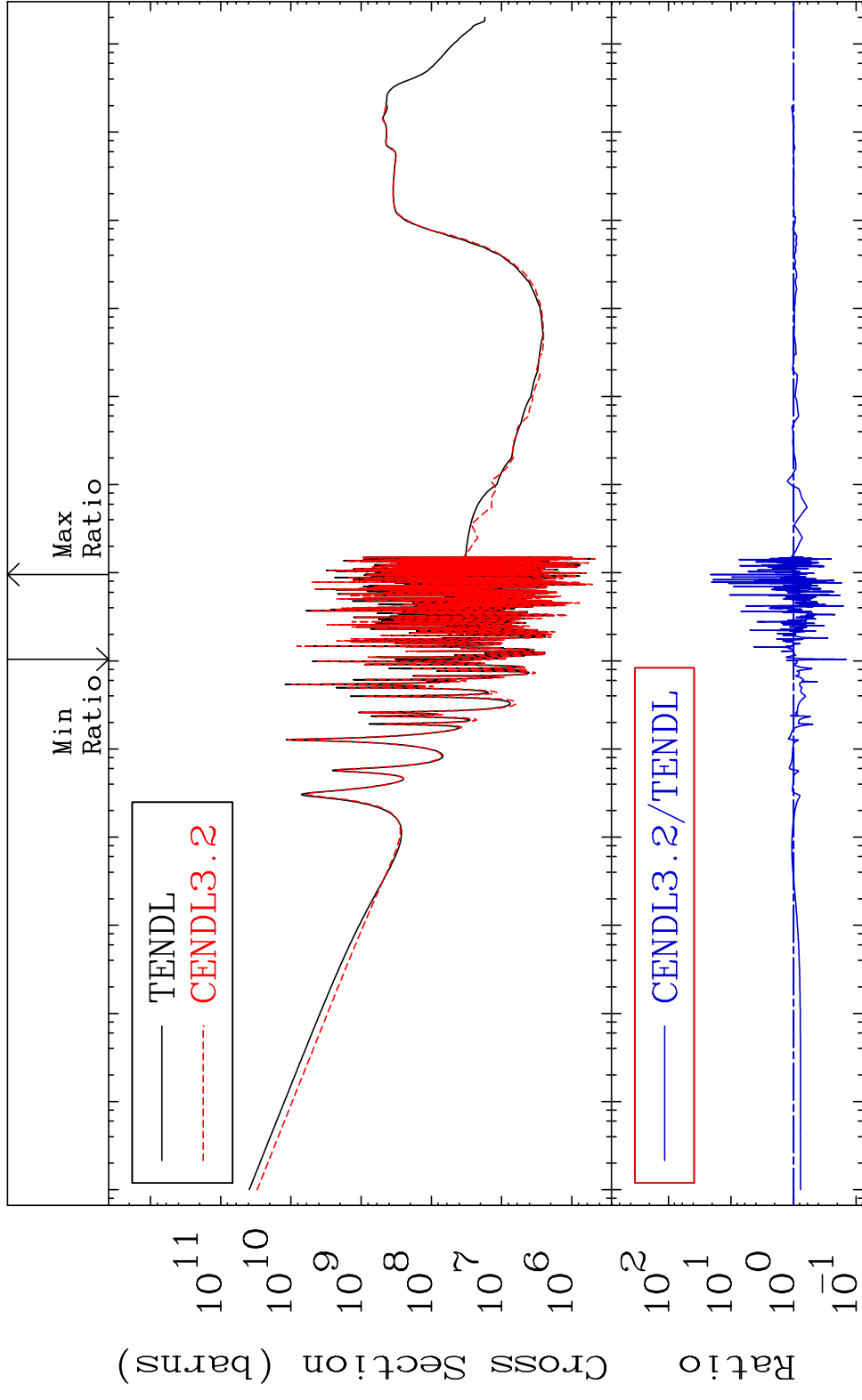
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 Cross Section -85.65 To 2005. %



MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -100.0 To 125.8 %

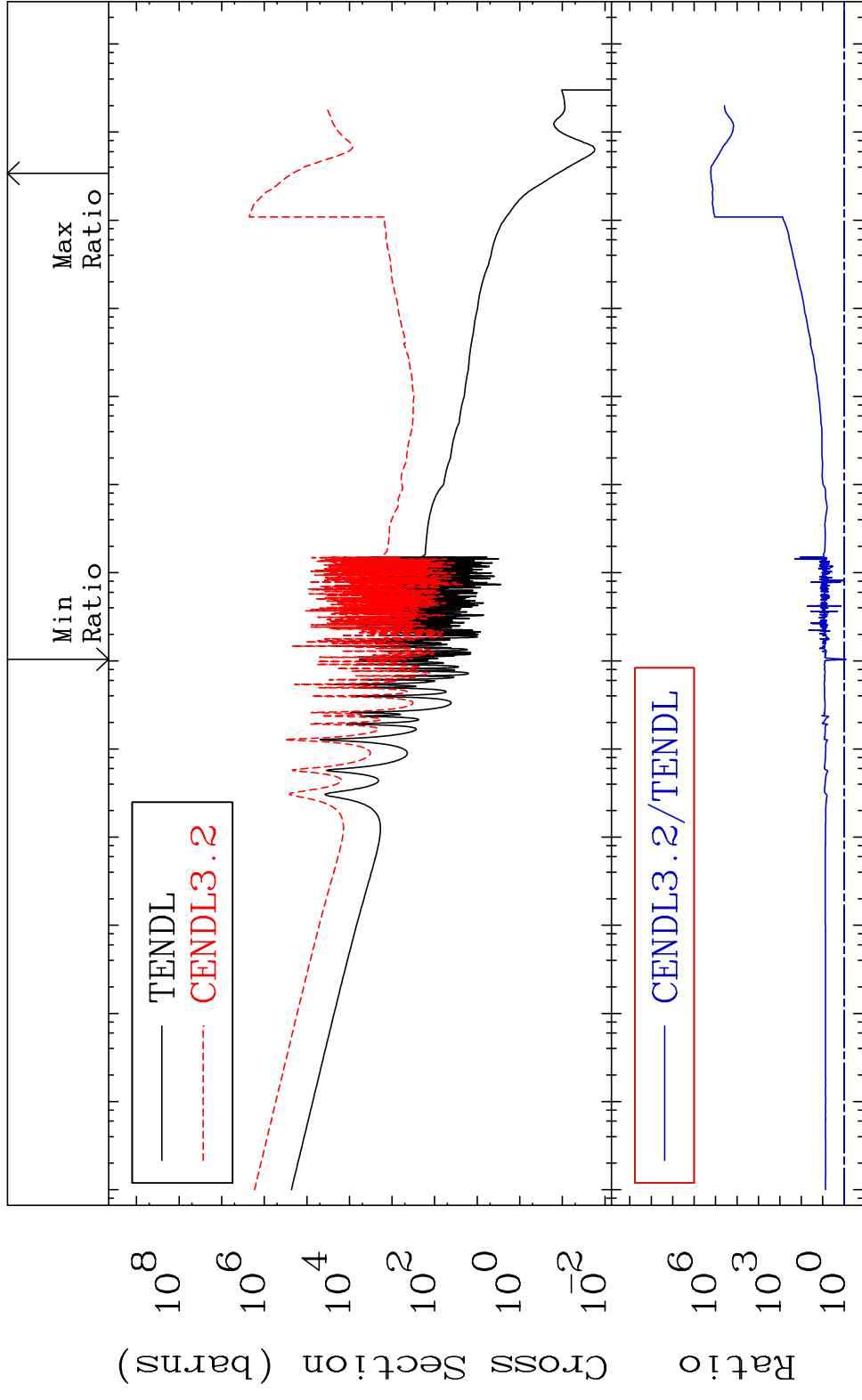


MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241
 Cross Section -85.66 To 2005. %

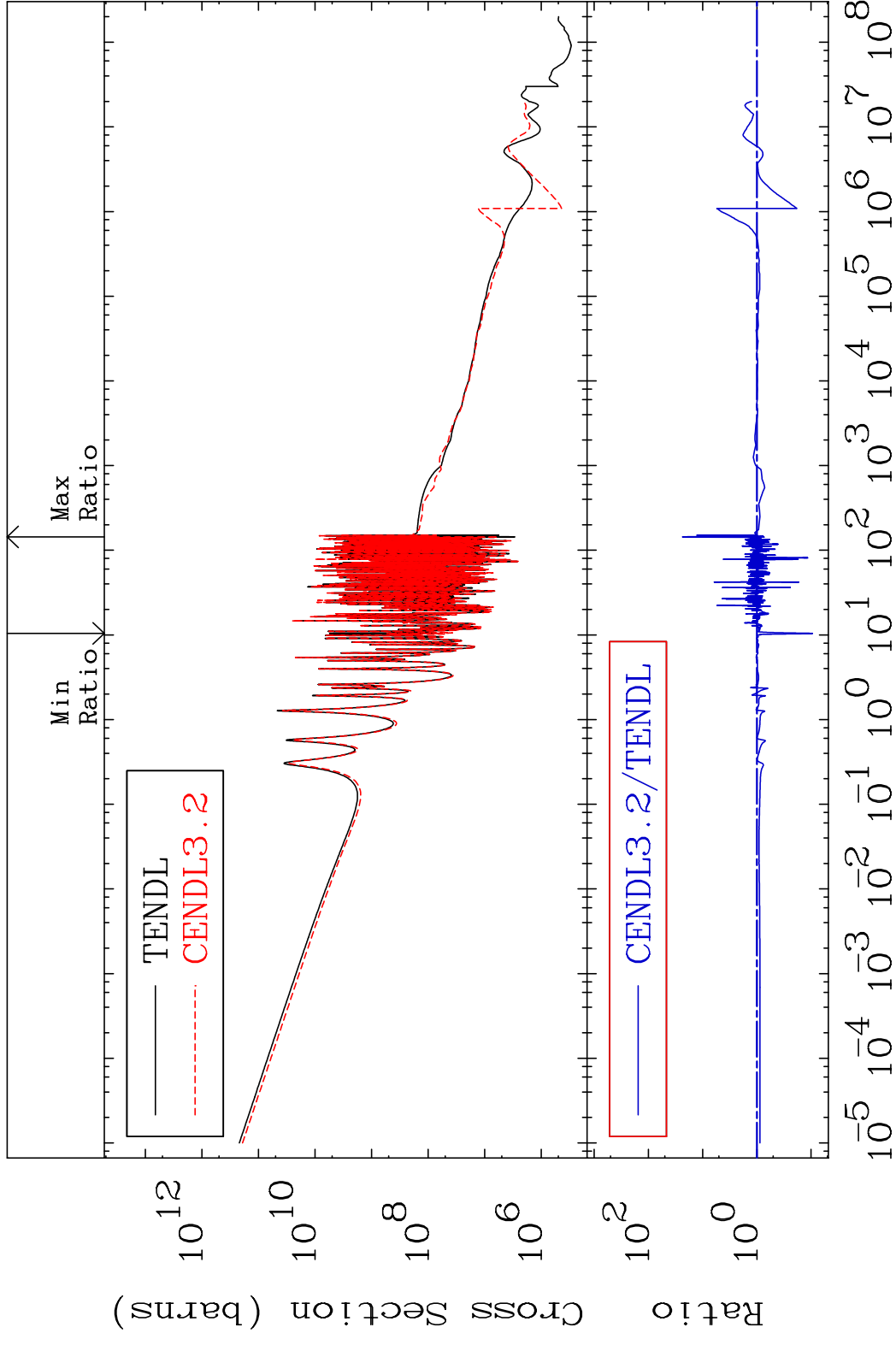


MAT 9543

Kerma capture (mt102) 95-Am-241
Cross Section -20.78 To 9999. %

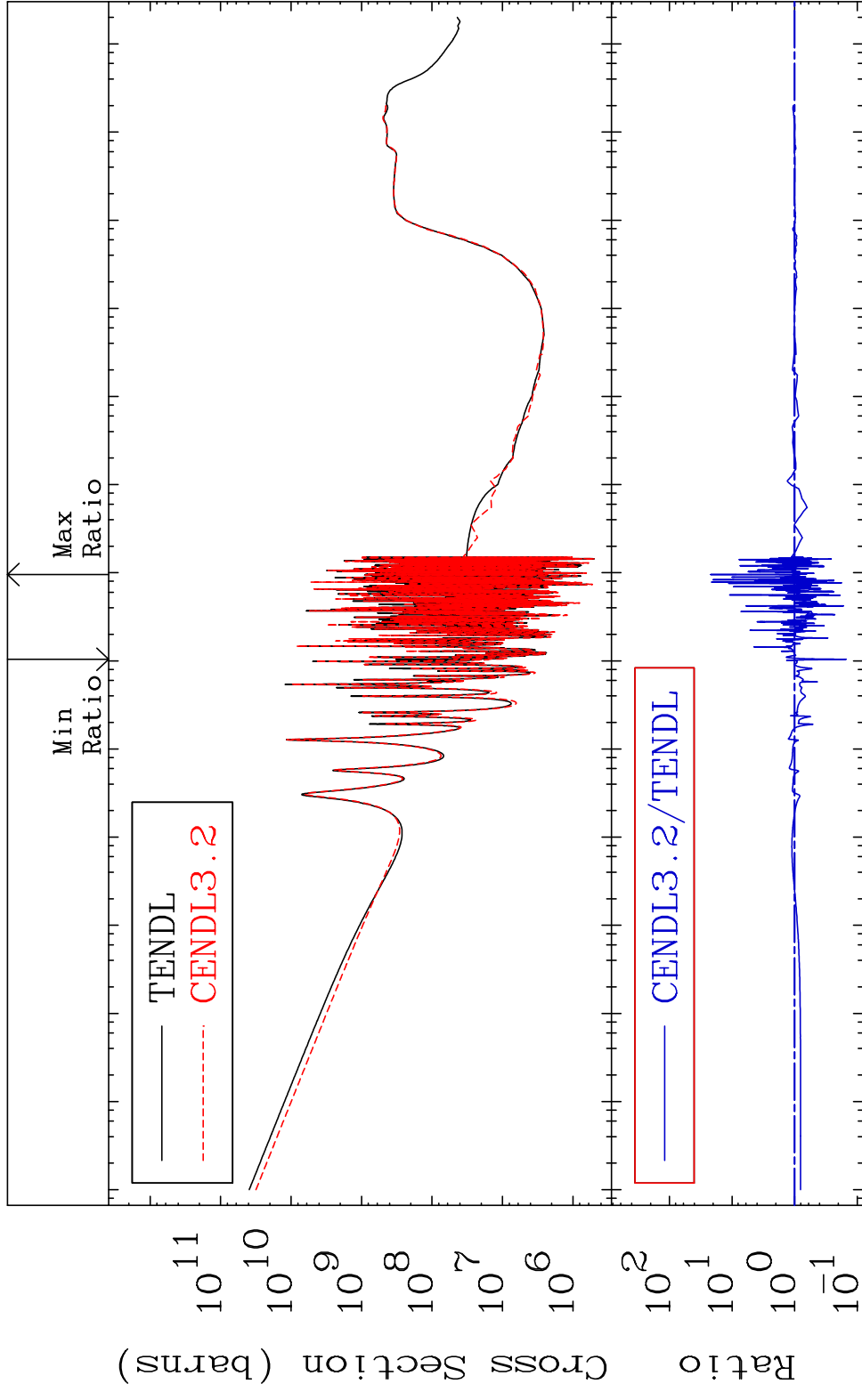


MAT 9543 Total photon (eV-barns) 95-Am-241
Cross Section -90.60 To 2266. %

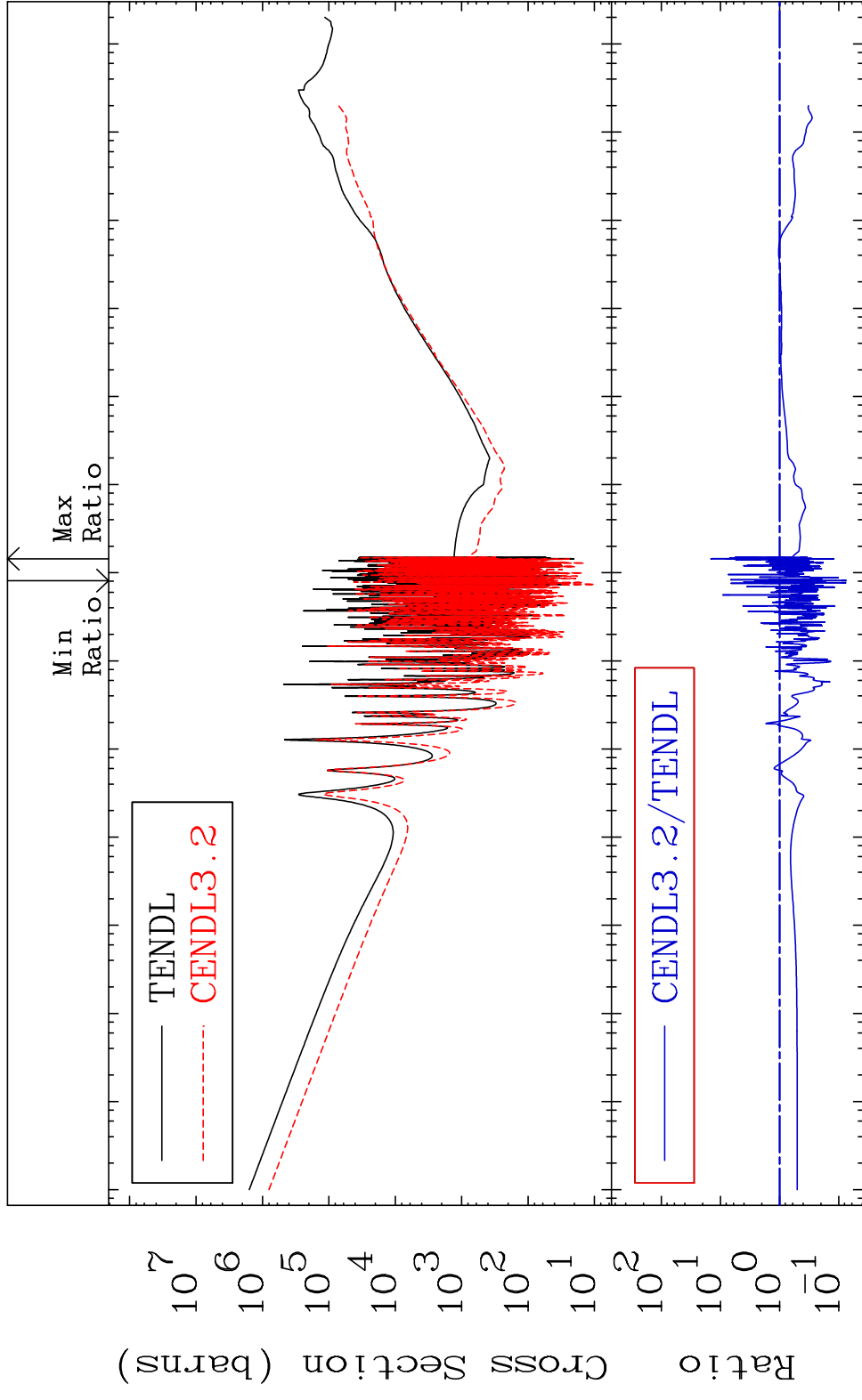


40 Incident Energy (eV) 95-Am-241

MAT 9543 Total kinematic kerma (high limit) 95-Am-241
 Cross Section -85.06 To 2092. %



MAT 9543 Dpa total (eV-barns) 95-Am-241
Cross Section -92.54 To 1365. %

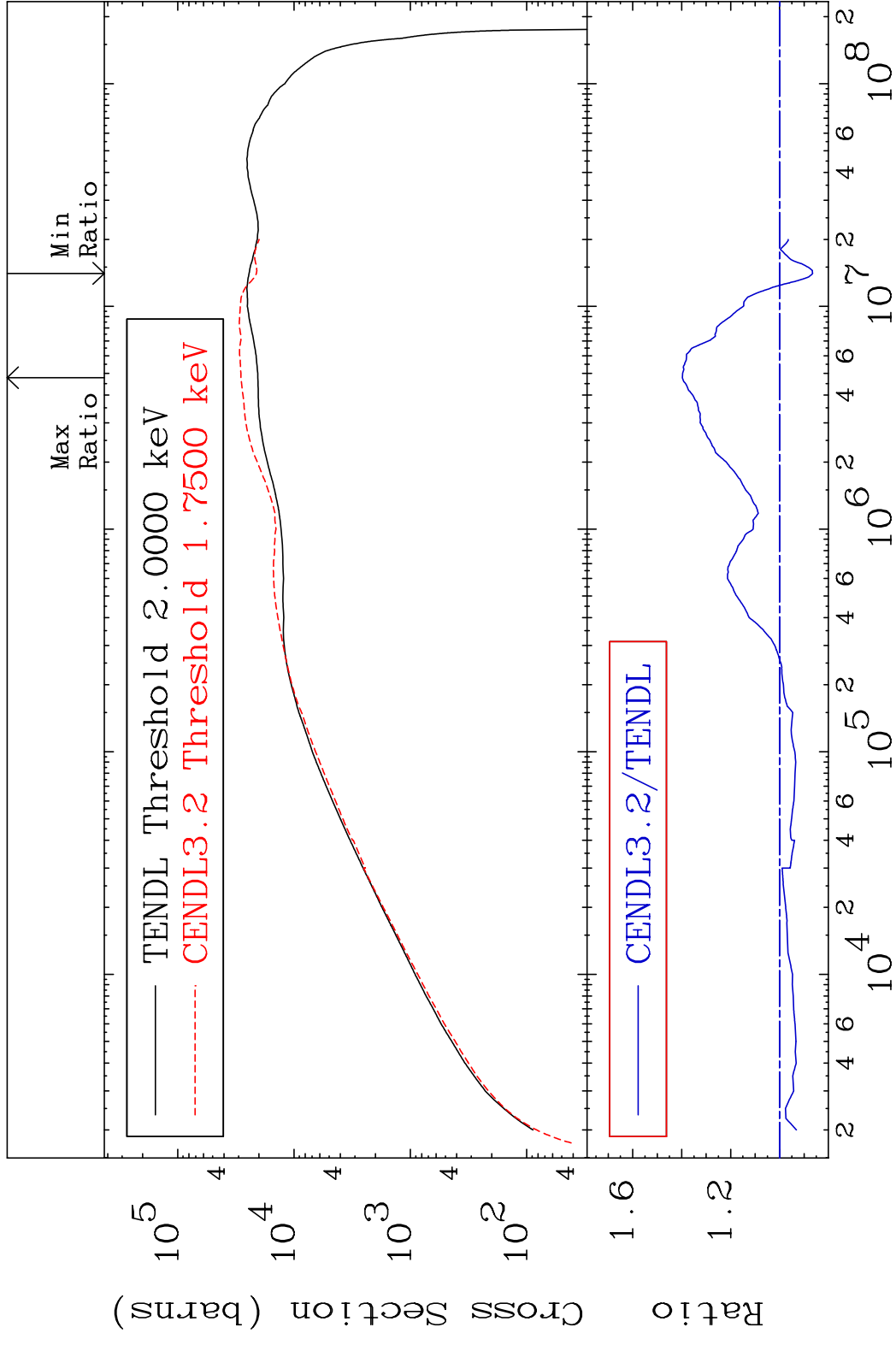


MAT 9543

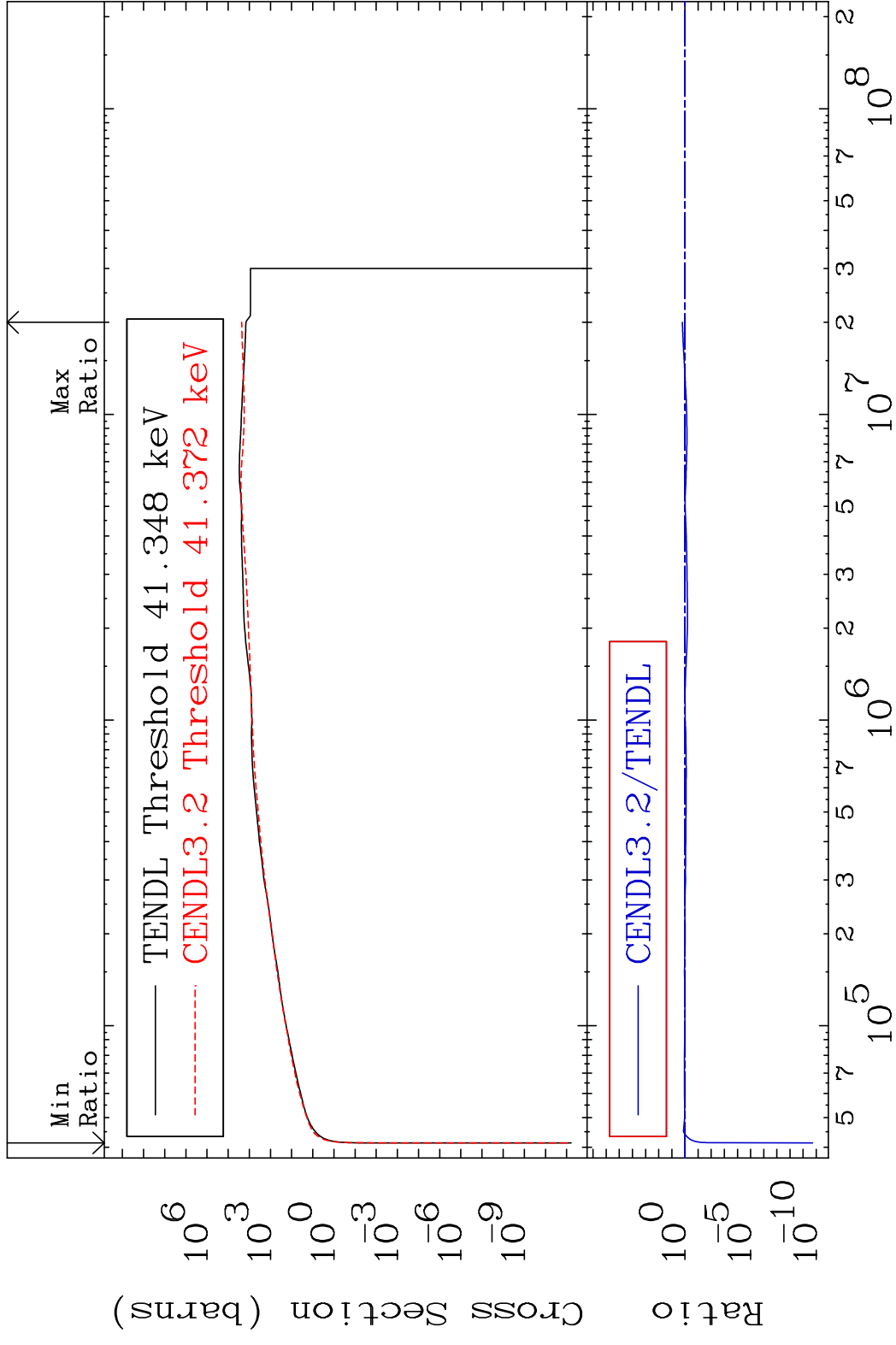
Dpa elastic (mt2)

95-Am-241

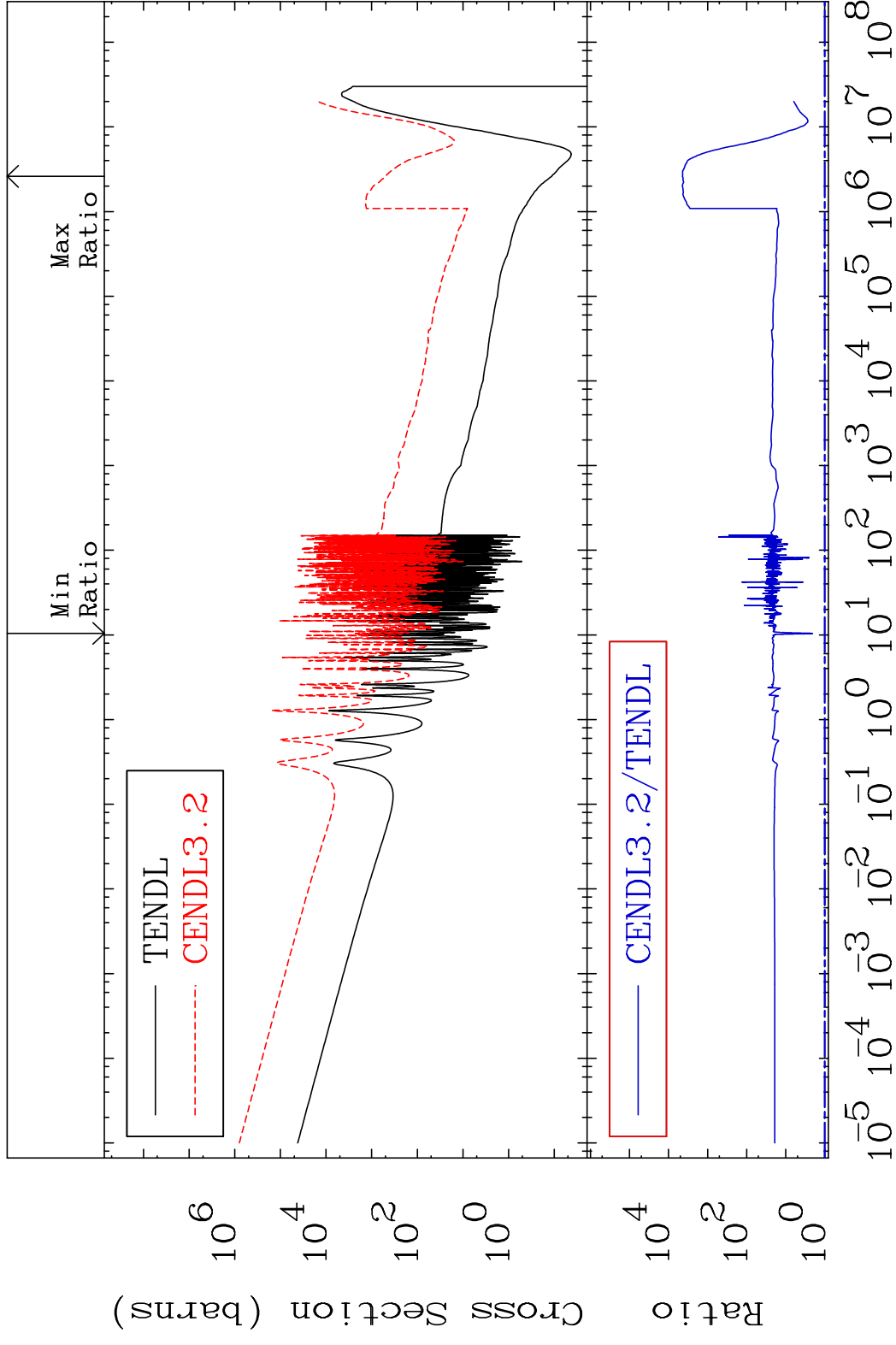
Cross Section -13.45 To 39.72 %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -100.0 To 58.19 %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section 105.2 To 9999. %

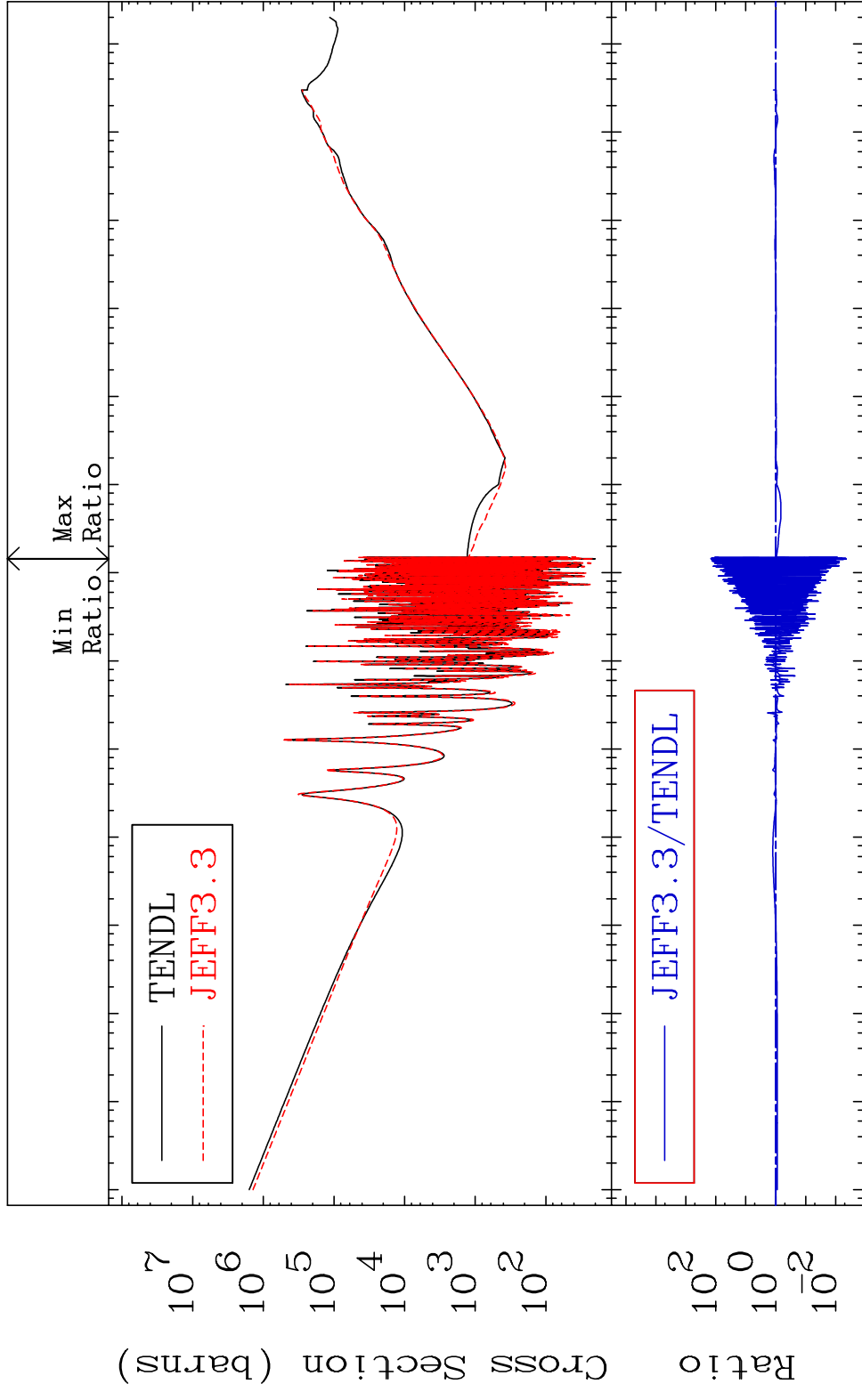


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.56 To 9999. %

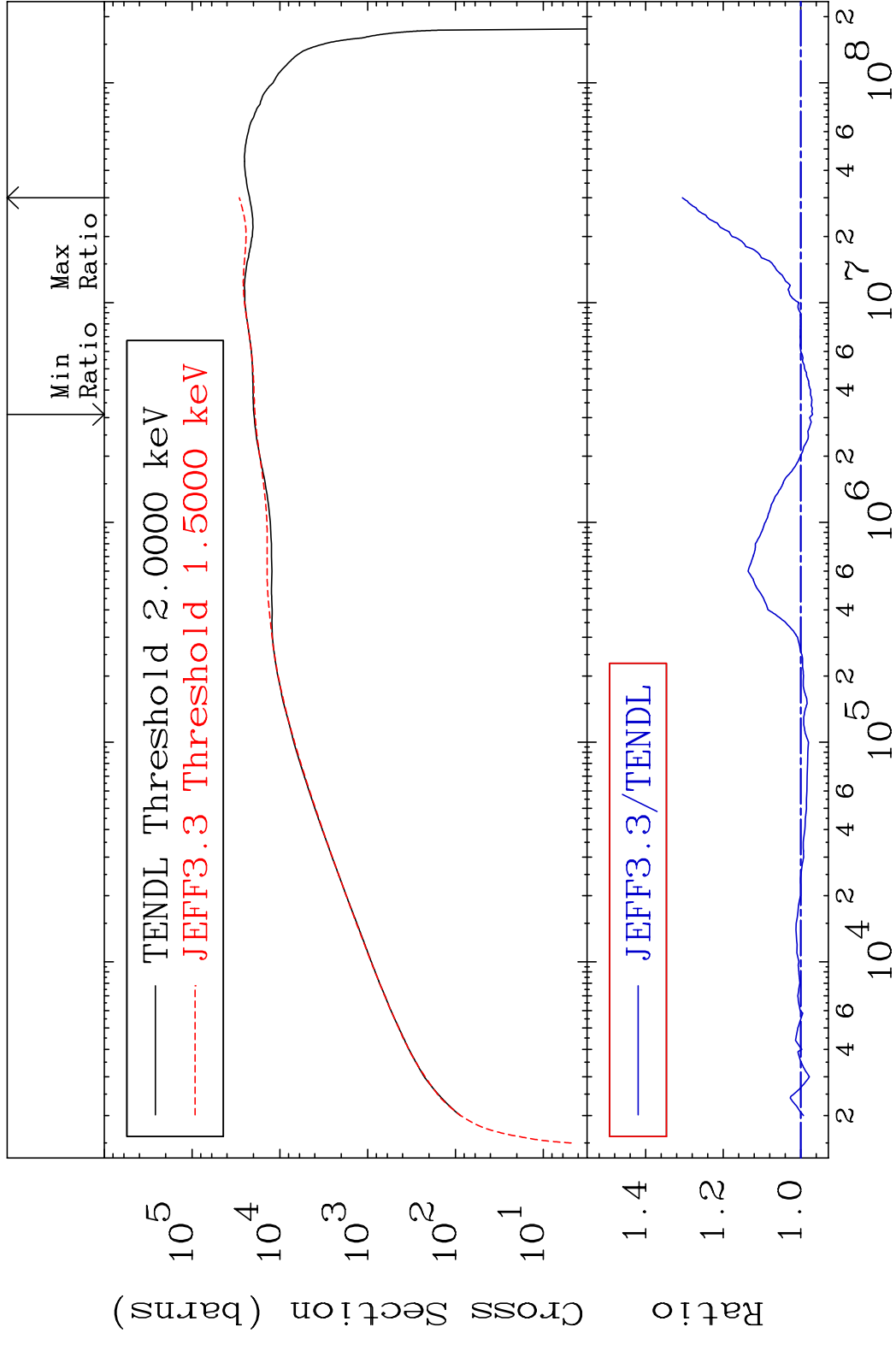


MAT 9543

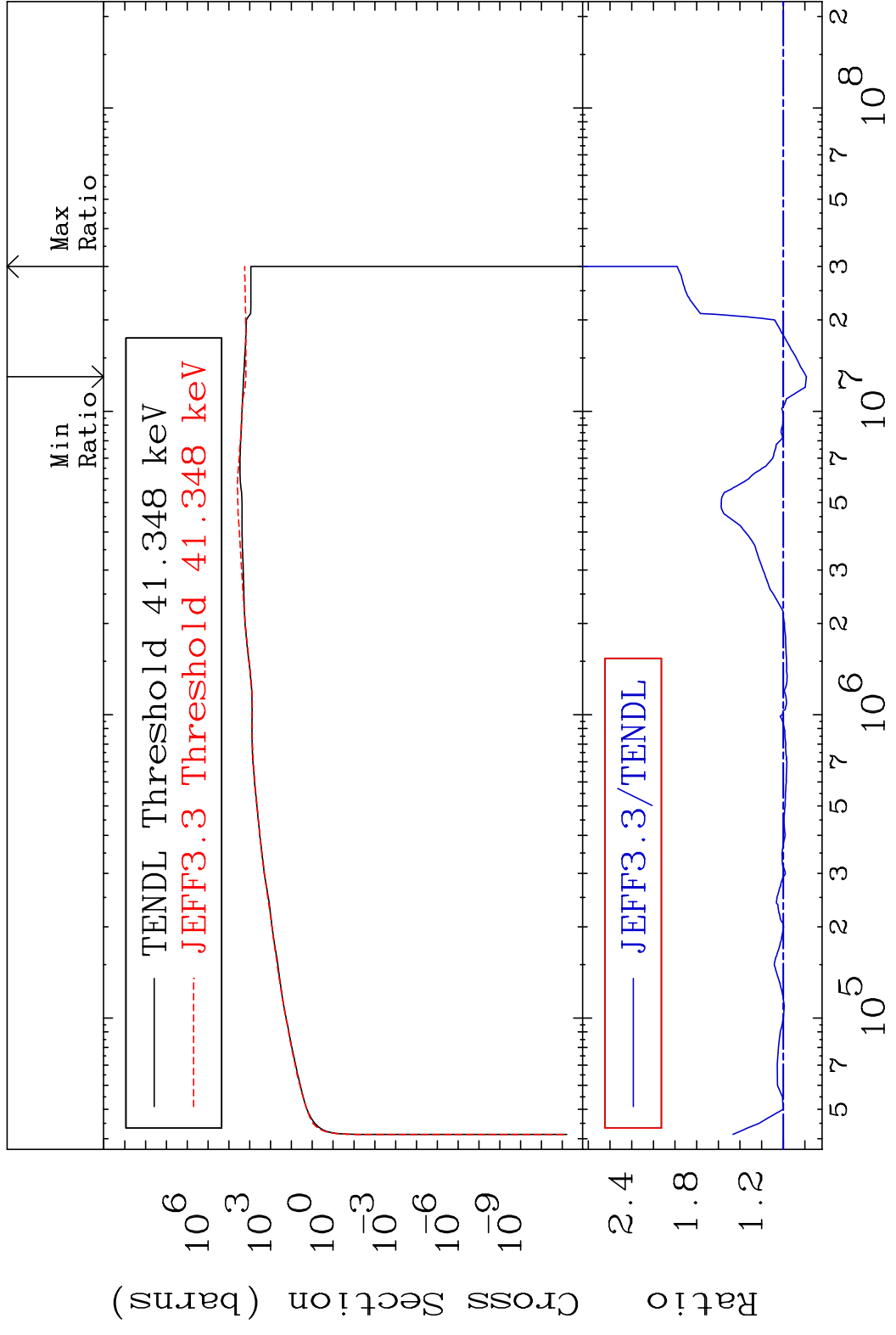
Dpa elastic (mt2)

95-Am-241

Cross Section -3.043 To 30.54 %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -21.34 To 97.99 %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
Cross Section -98.00 To 9999. %

