

Program Complot  
(Version 2021-1)

by

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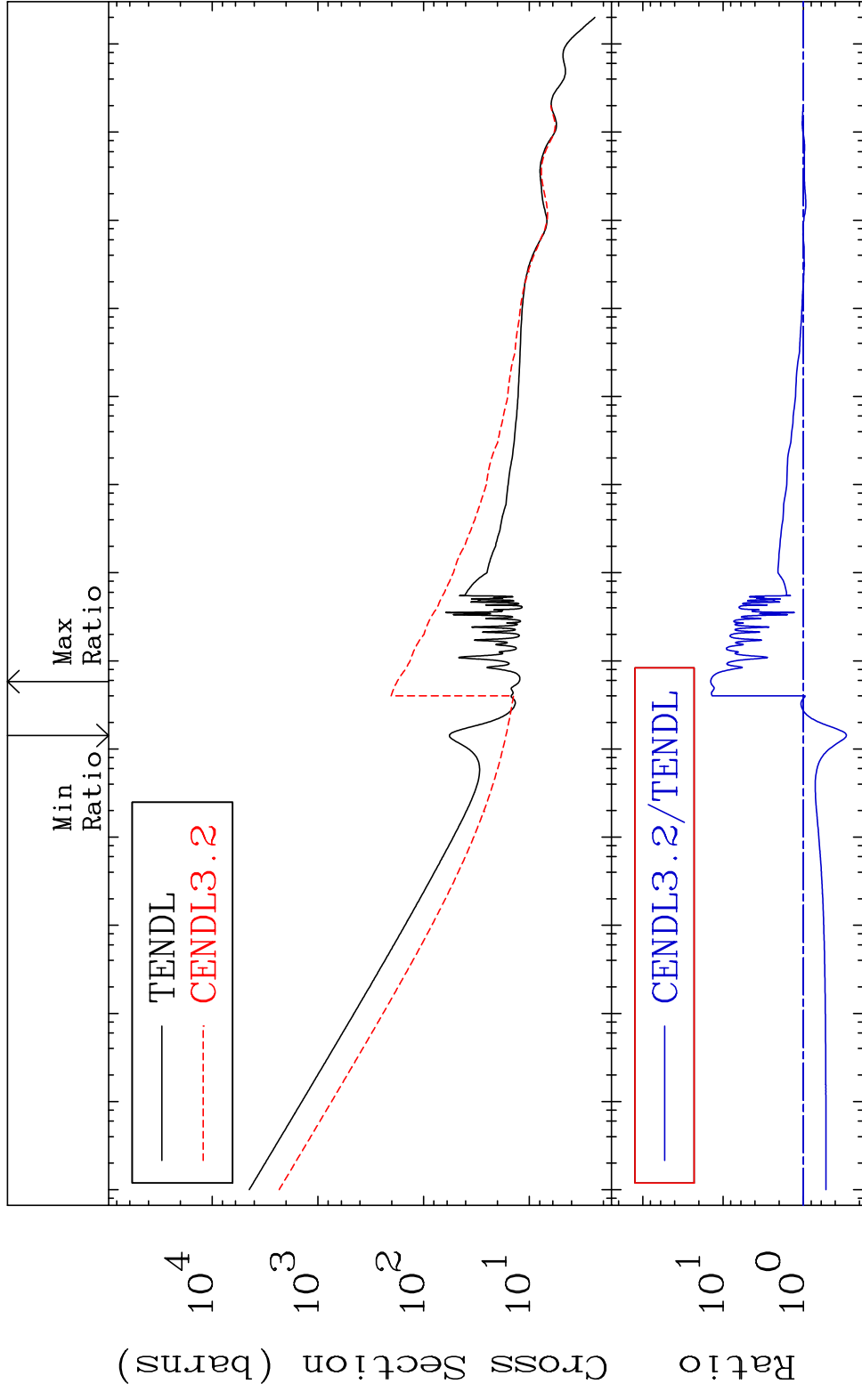
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9352

Total  
Cross Section -70.84 To 1323. %

93-Np-239



1

Incident Energy (eV)

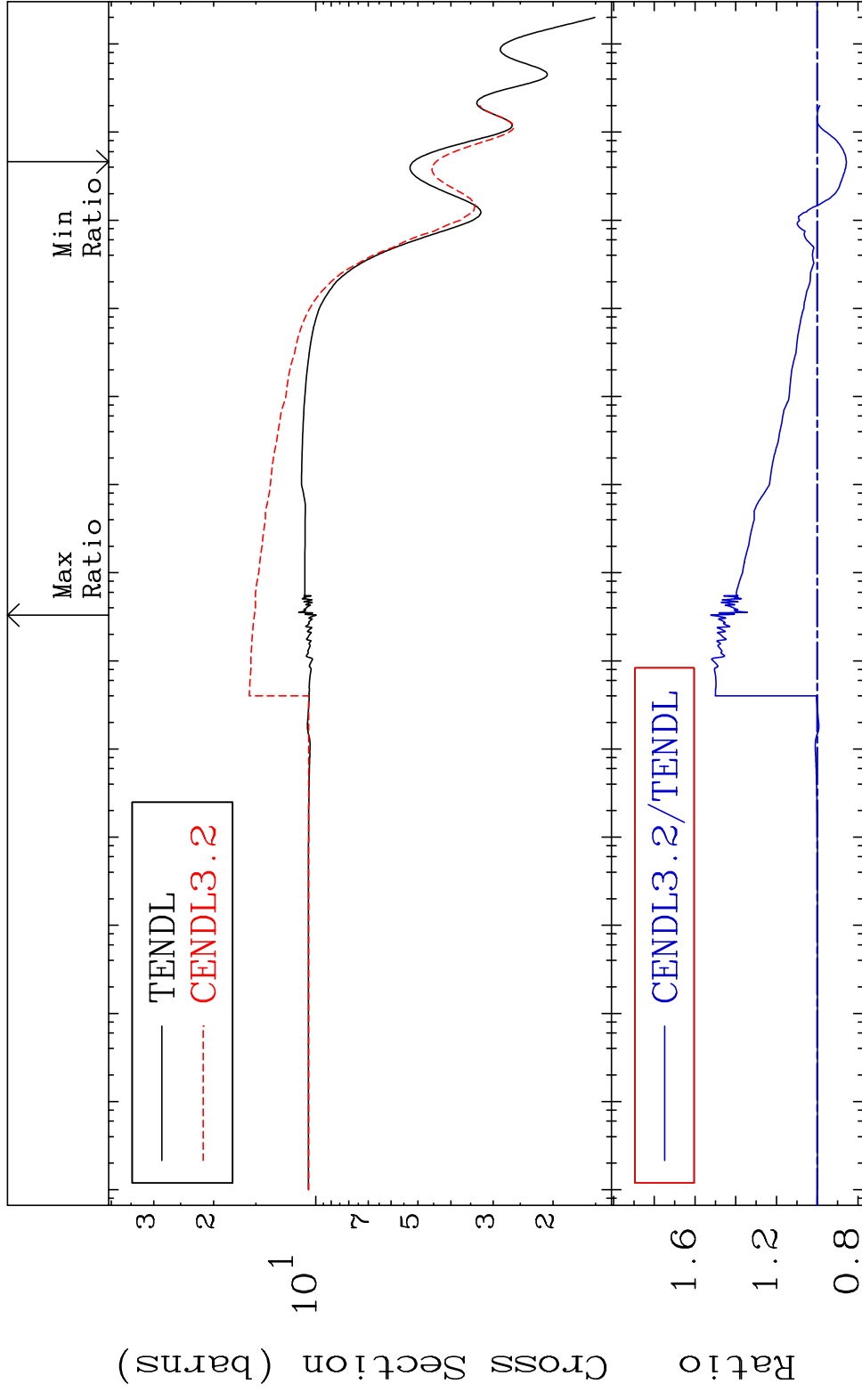
93-Np-239

MAT 9352

Elastic

93-Np-239

Cross Section -14.30 To 52.31 %



2

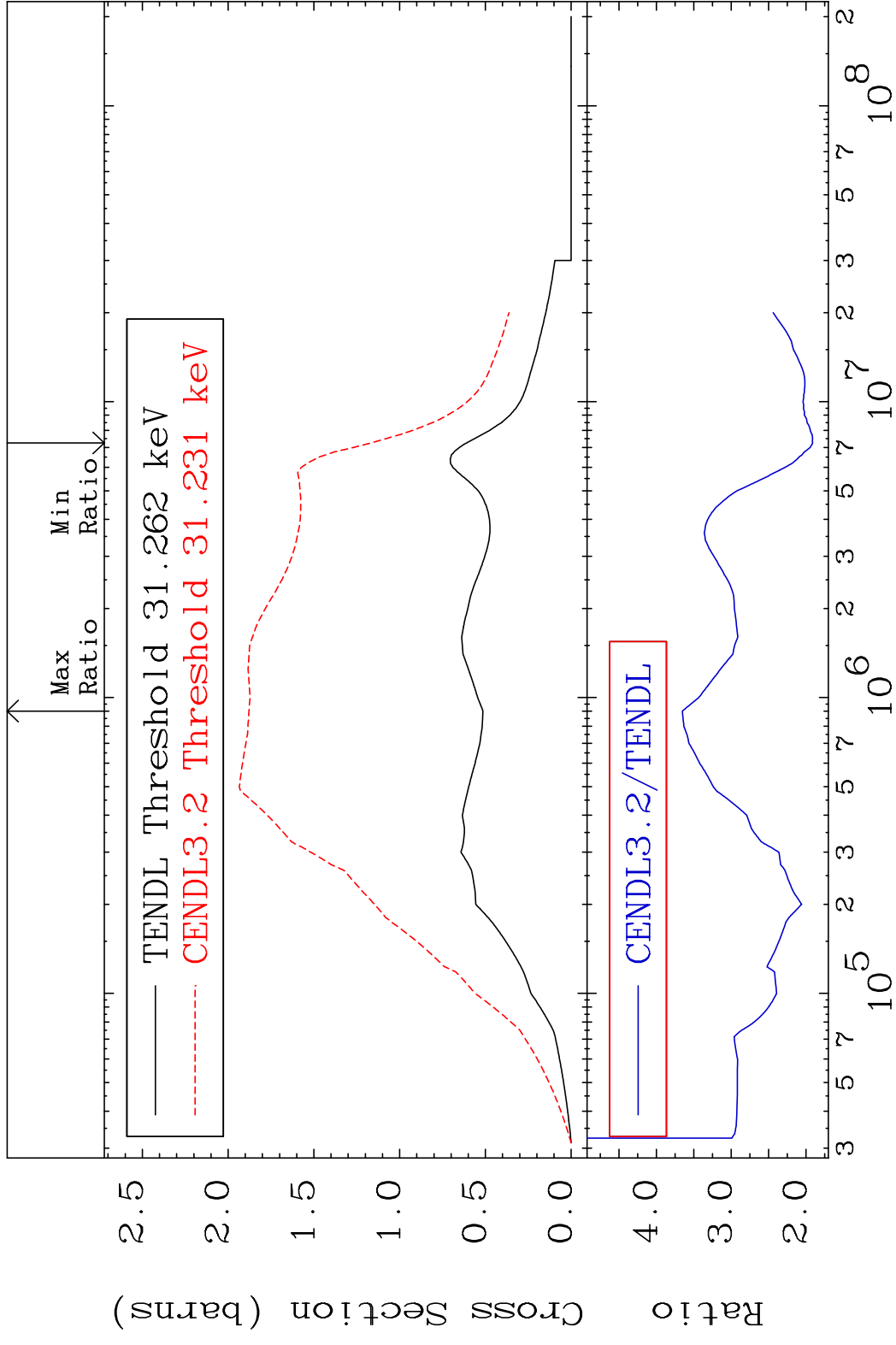
Incident Energy (eV)

93-Np-239

MAT 9352

Inelastic  
Cross Section 91.29 To 265.2 %

93-Np-239



3

Incident Energy (eV)

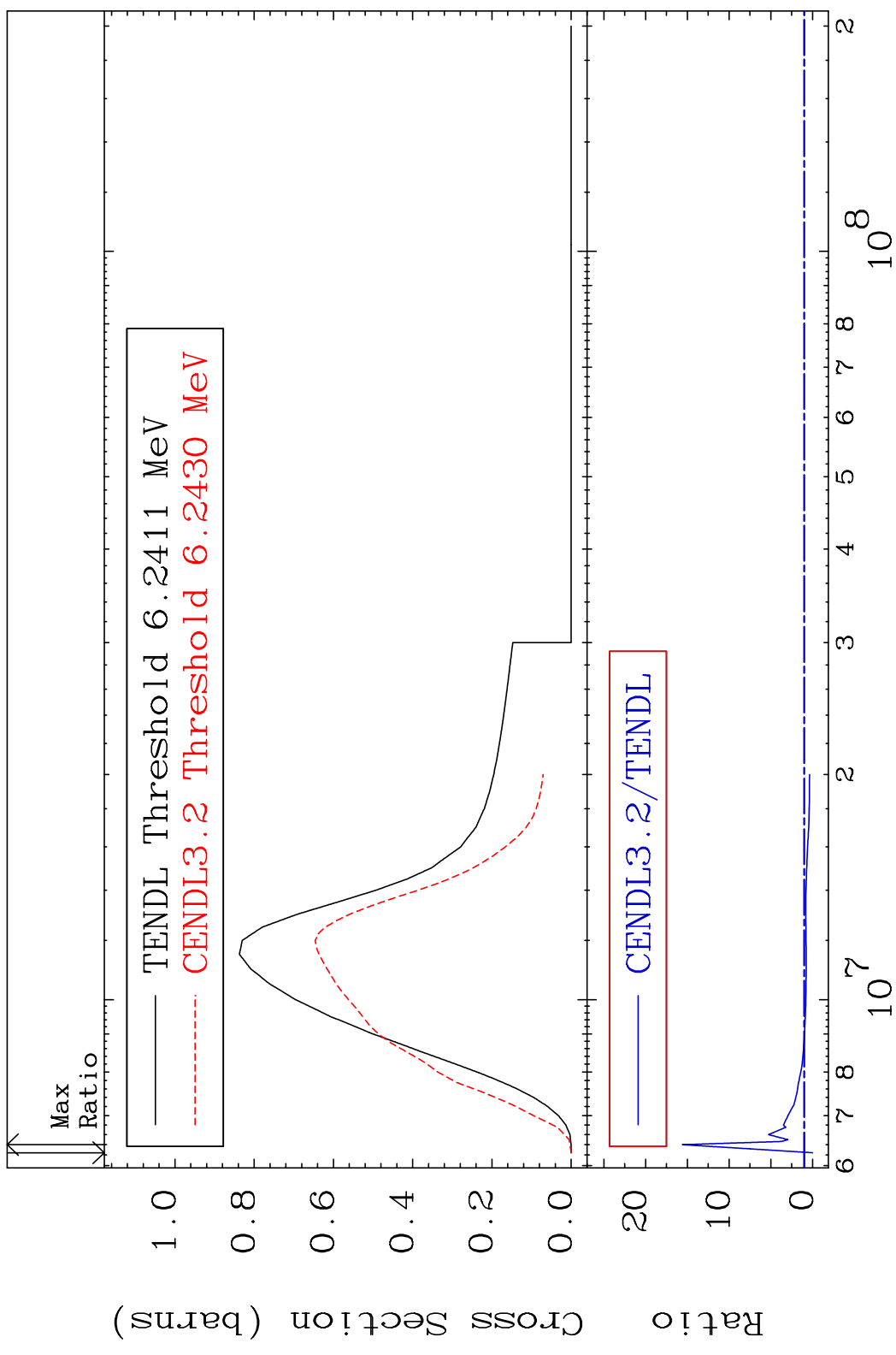
93-Np-239

MAT 9352

(n,2n)

93-Np-239

Cross Section -100.0 To 1460. %



4

Incident Energy (eV)

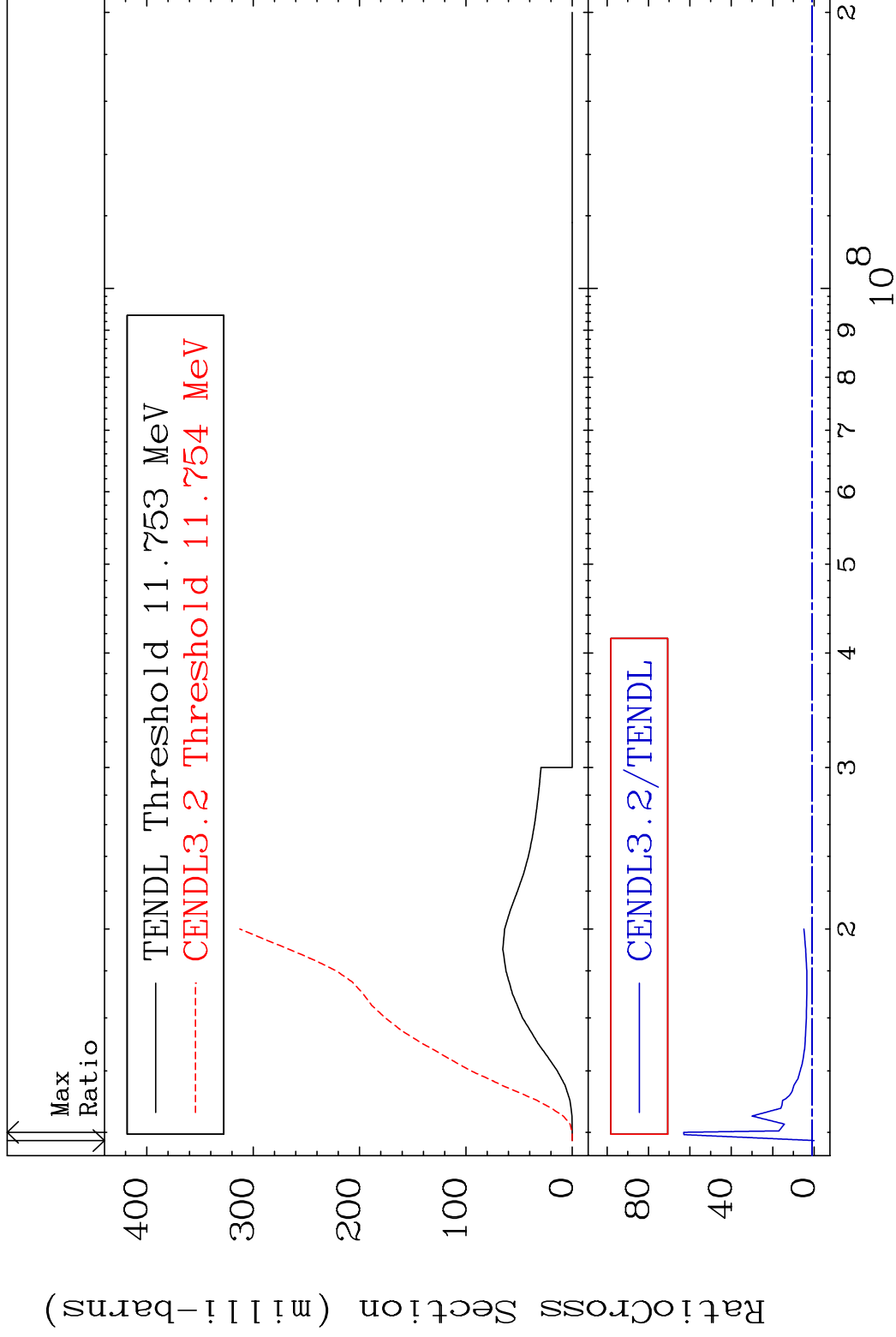
93-Np-239

MAT 9352

(n,3n)

93-Np-239

Cross Section -100.0 To 6201. %



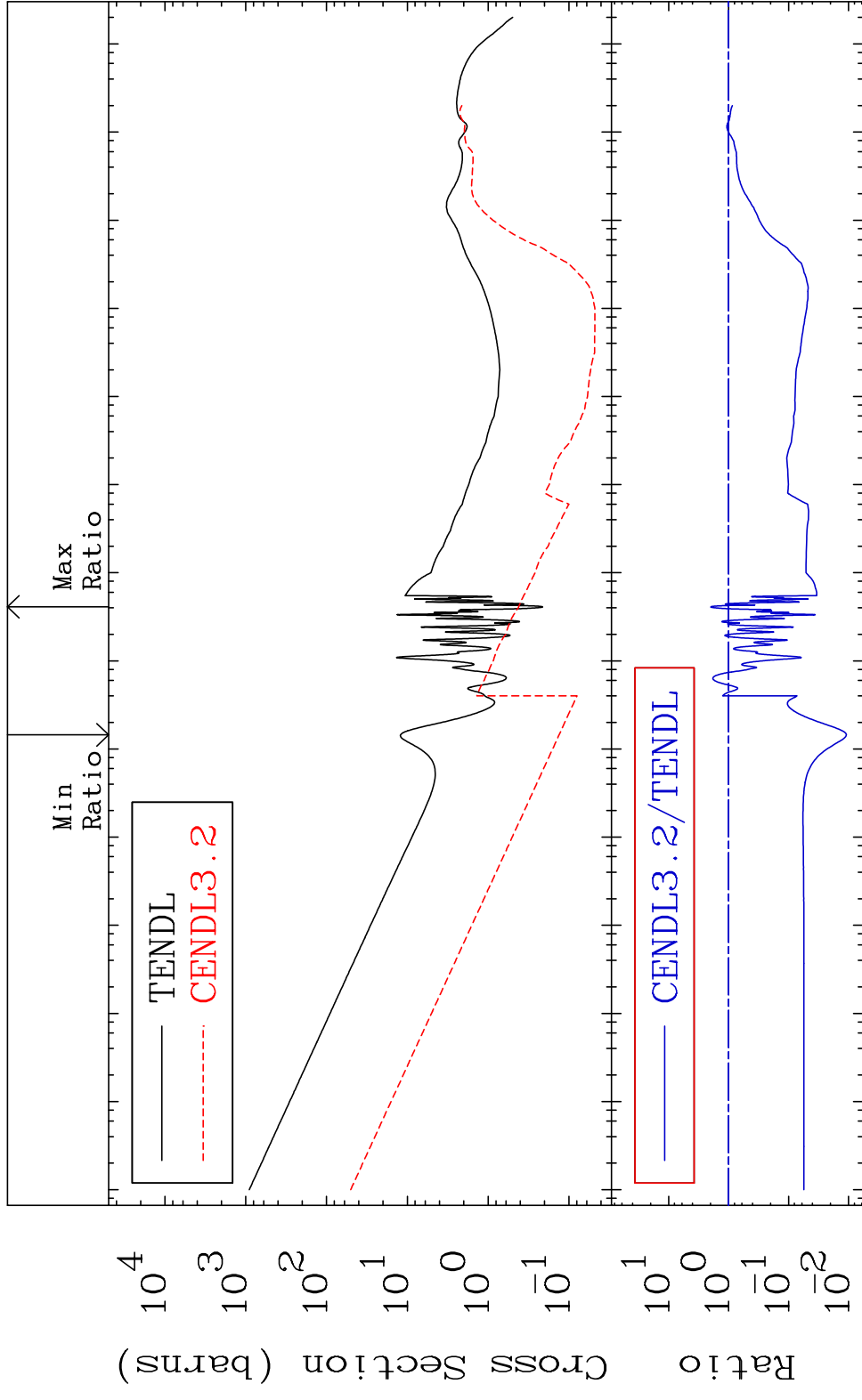
5

Incident Energy (eV)

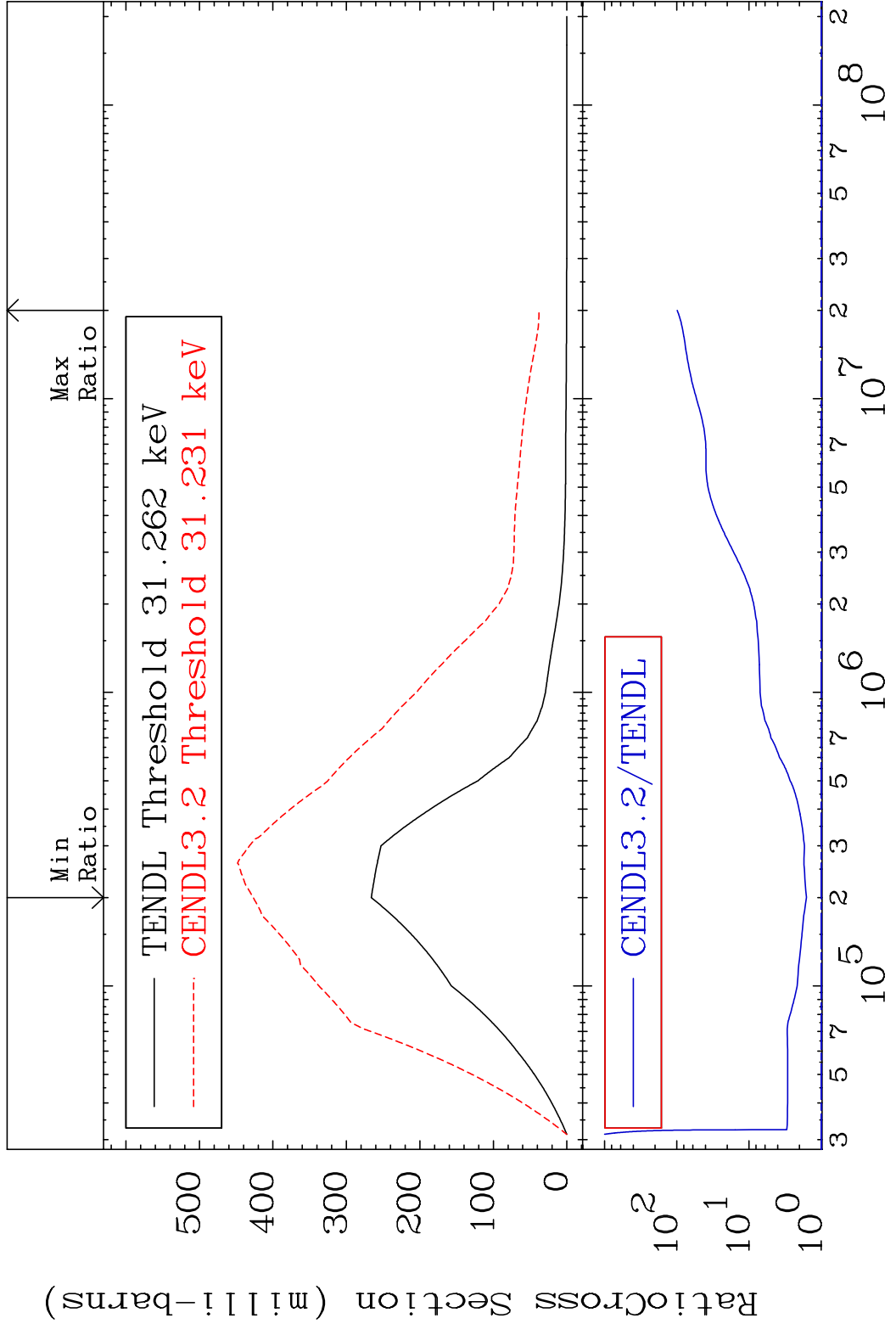
93-Np-239

MAT 9352

Fission  
Cross Section -98.91 To 98.99 %

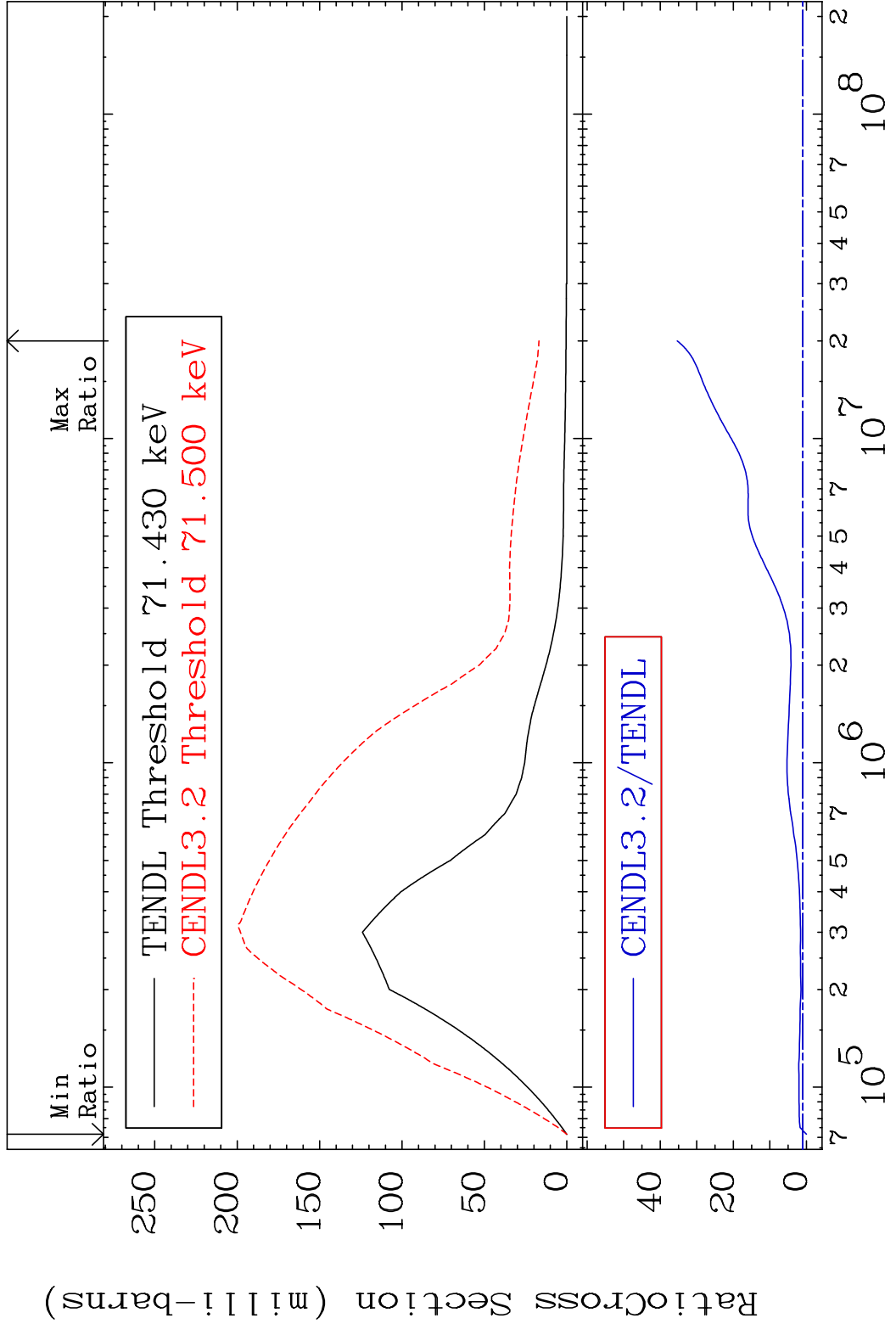


MAT 9352 MT= 51 (n, n') Level 93-Np-239  
 Cross Section 60.34 To 9759. %



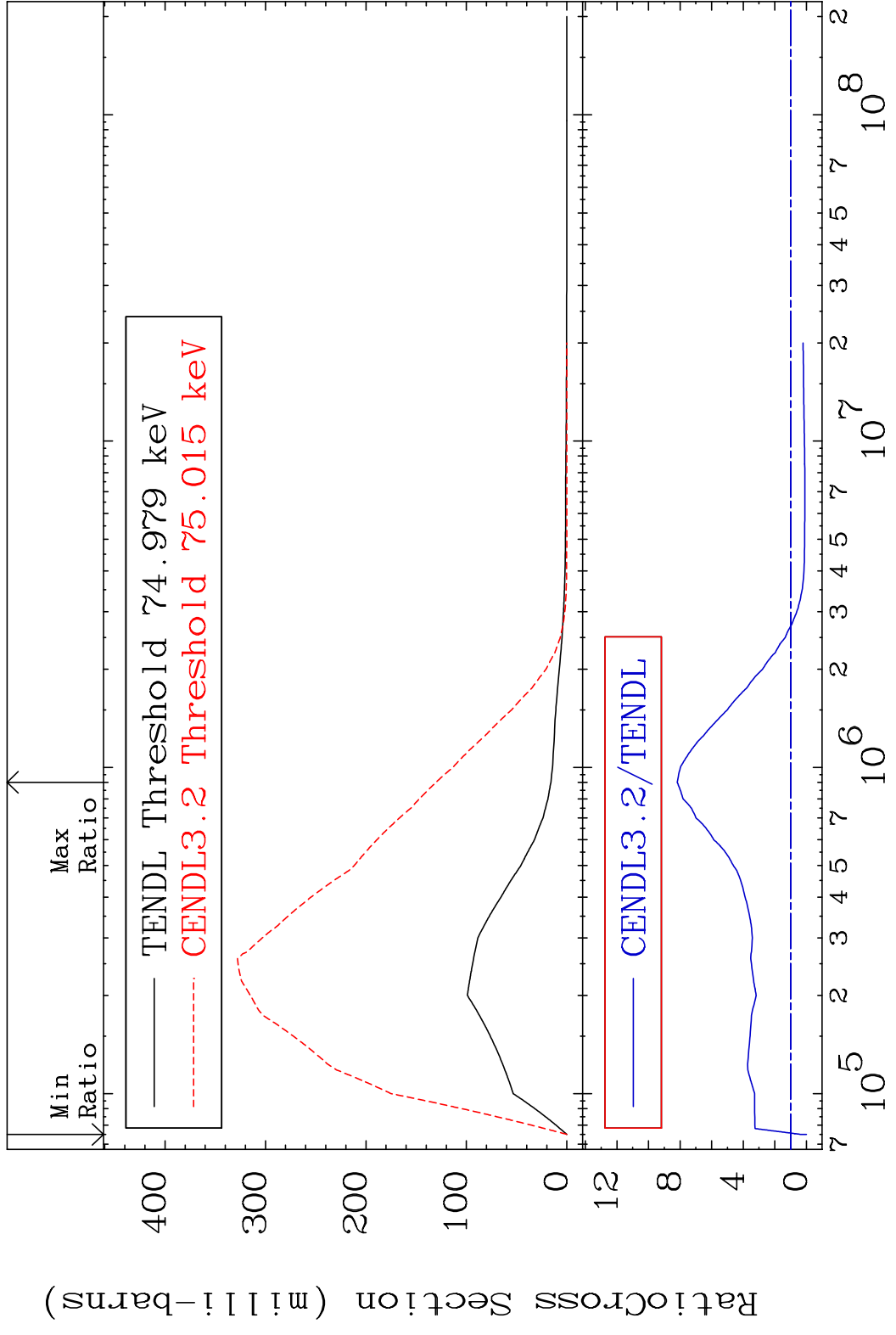


MAT 9352 MT= 52 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 3436. %

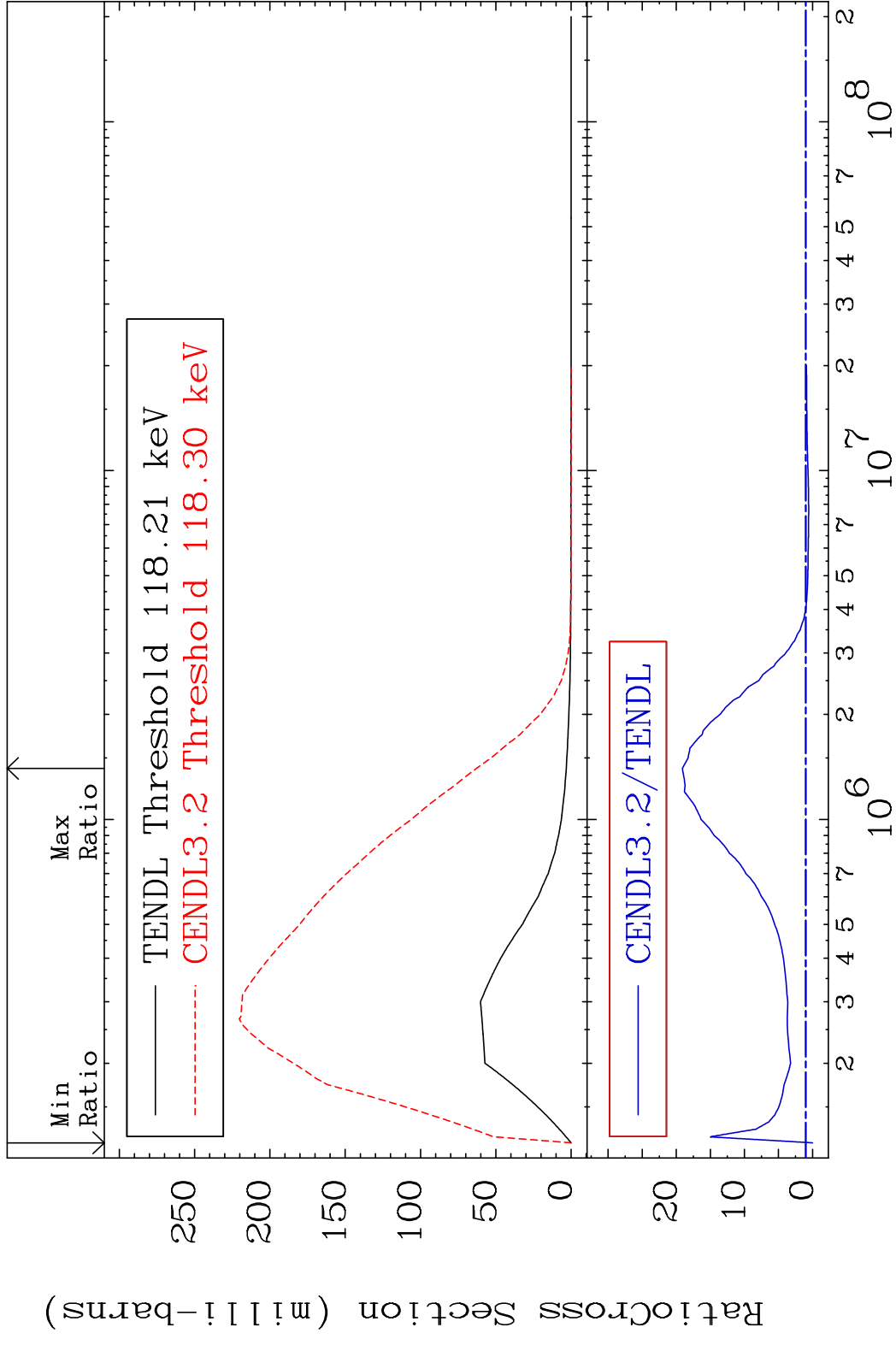


8 8 Incident Energy (eV) 93-Np-239

MAT 9352 MT= 53 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 718.4 %

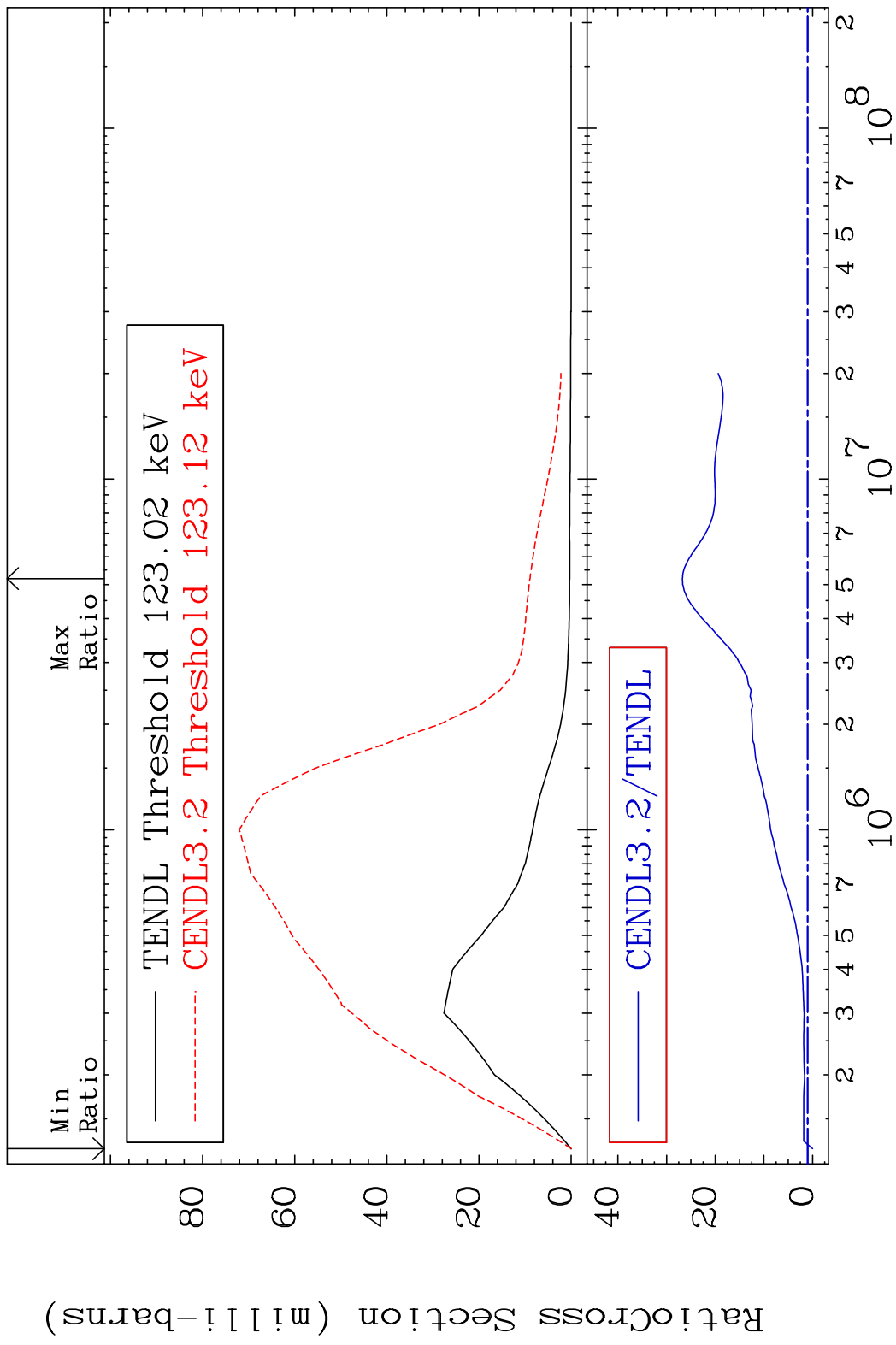


MAT 9352 MT= 54 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 1811. %

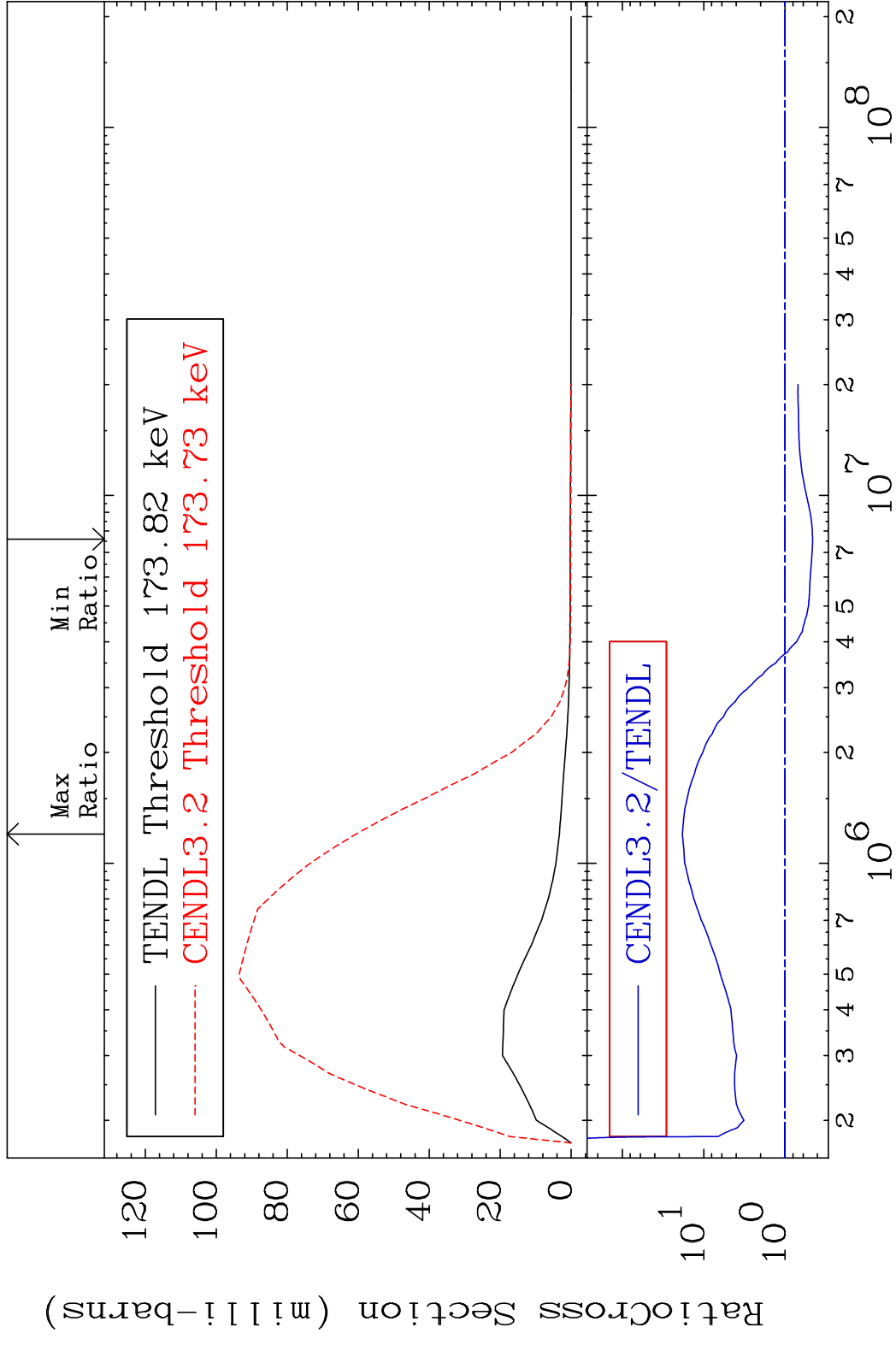


10 Incident Energy (eV) 93-Np-239

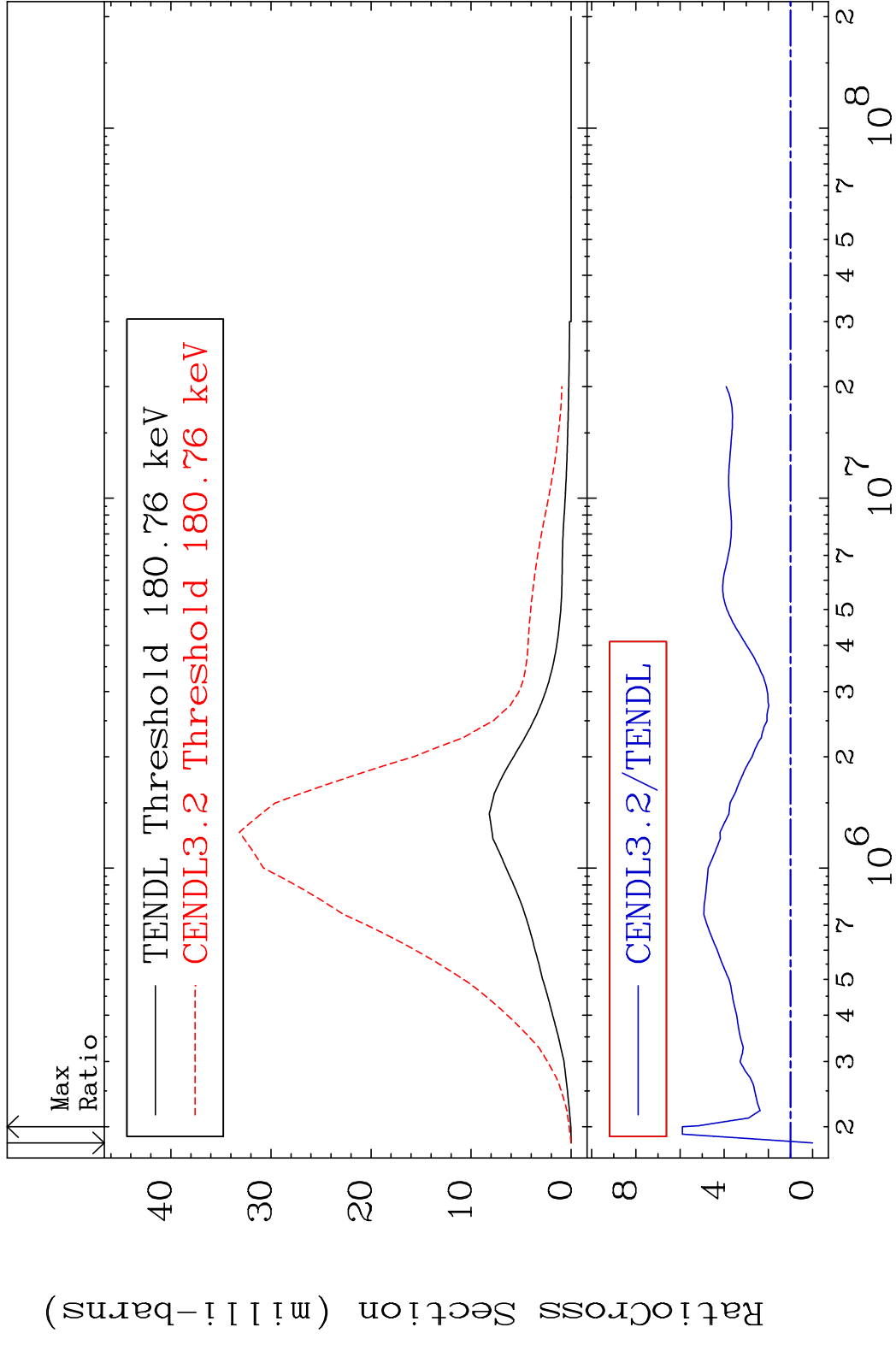
MAT 9352 MT= 55 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 2576. %



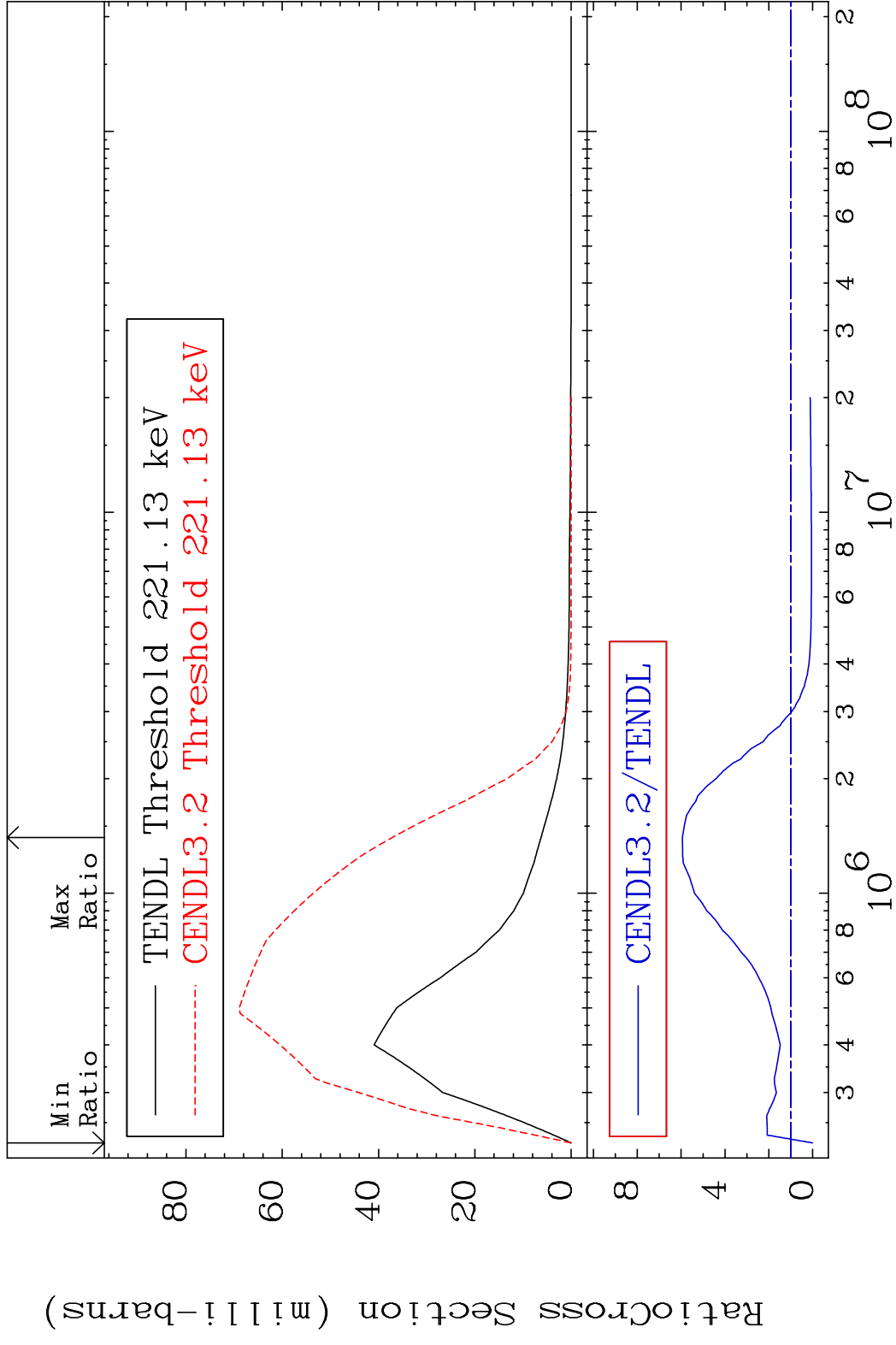
MAT 9352 MT= 56 (n, n') Level 93-Np-239  
 Cross Section -54.01 To 1731. %



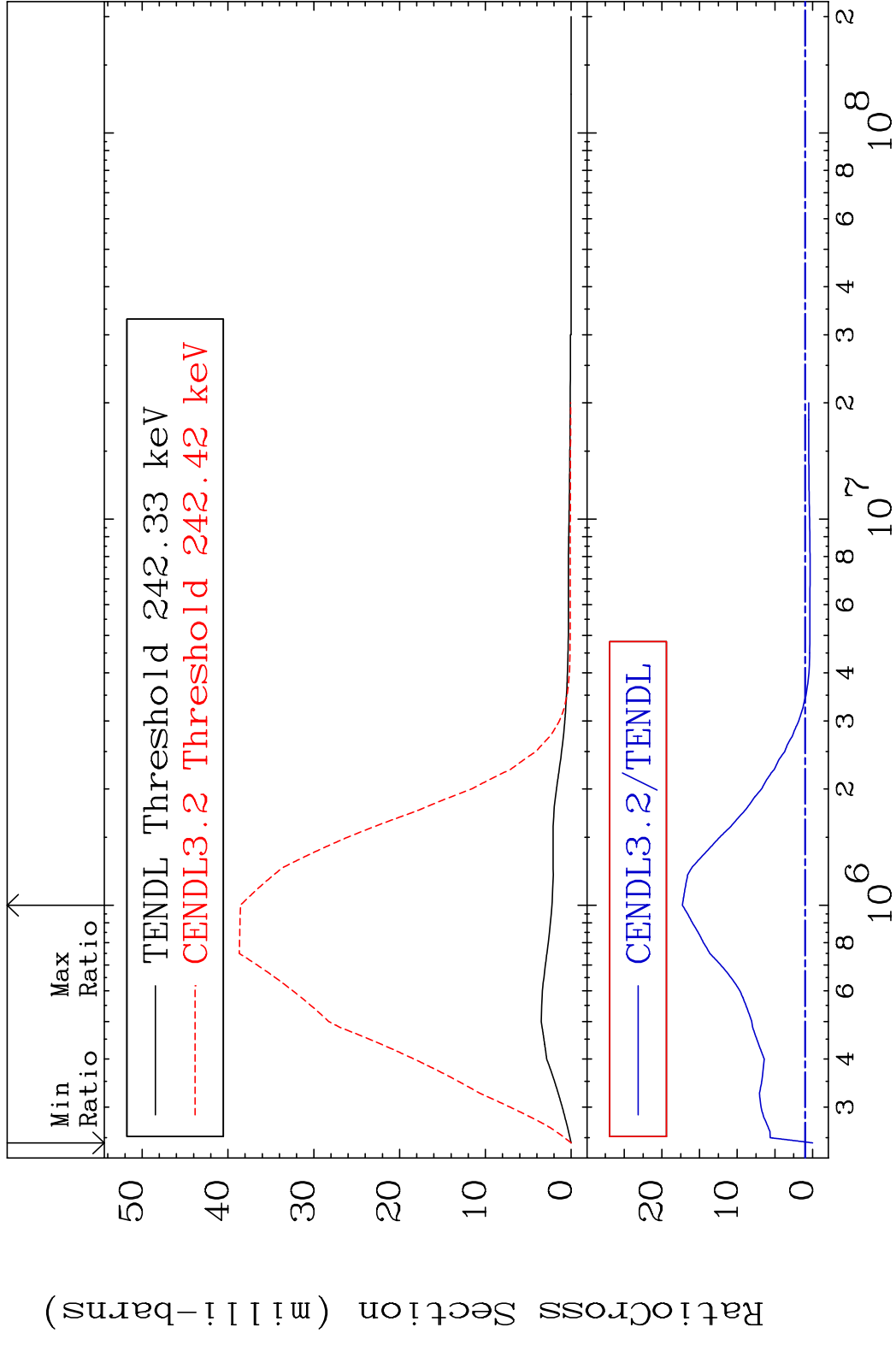
MAT 9352 MT= 57 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 489.6 %



MAT 9352 MT= 58 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 494.4 %

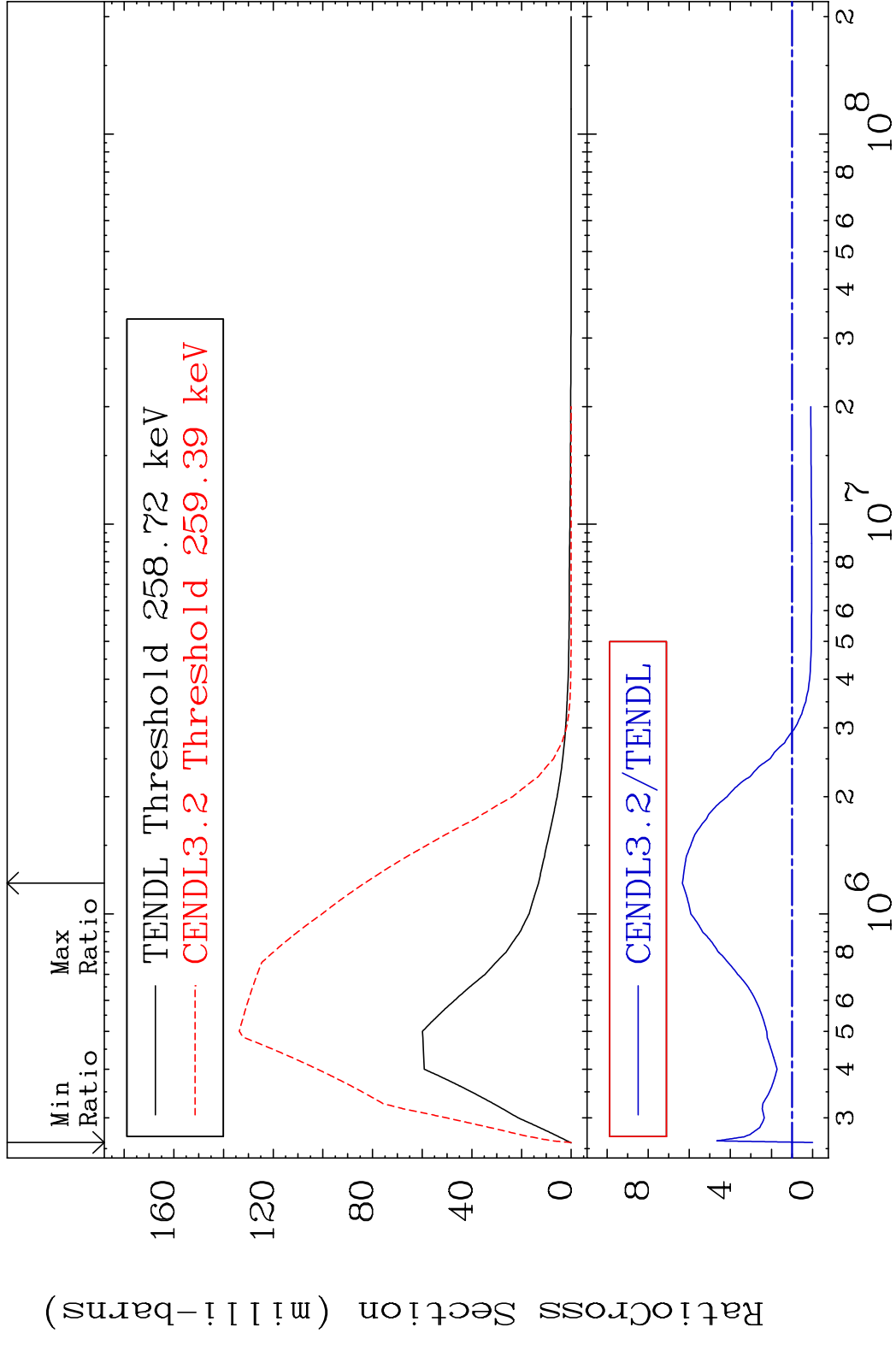


MAT 9352 MT= 59 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 1628. %

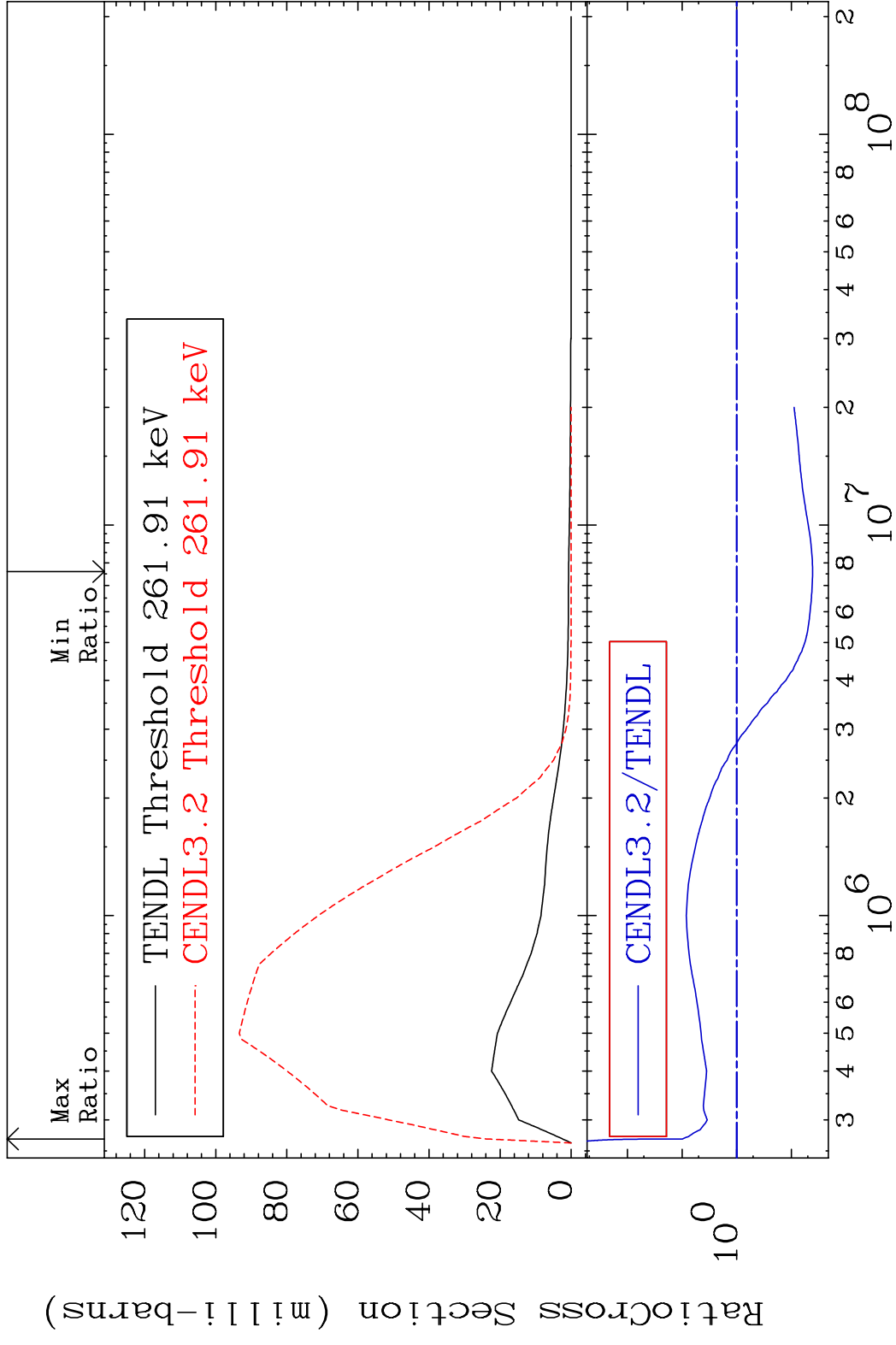




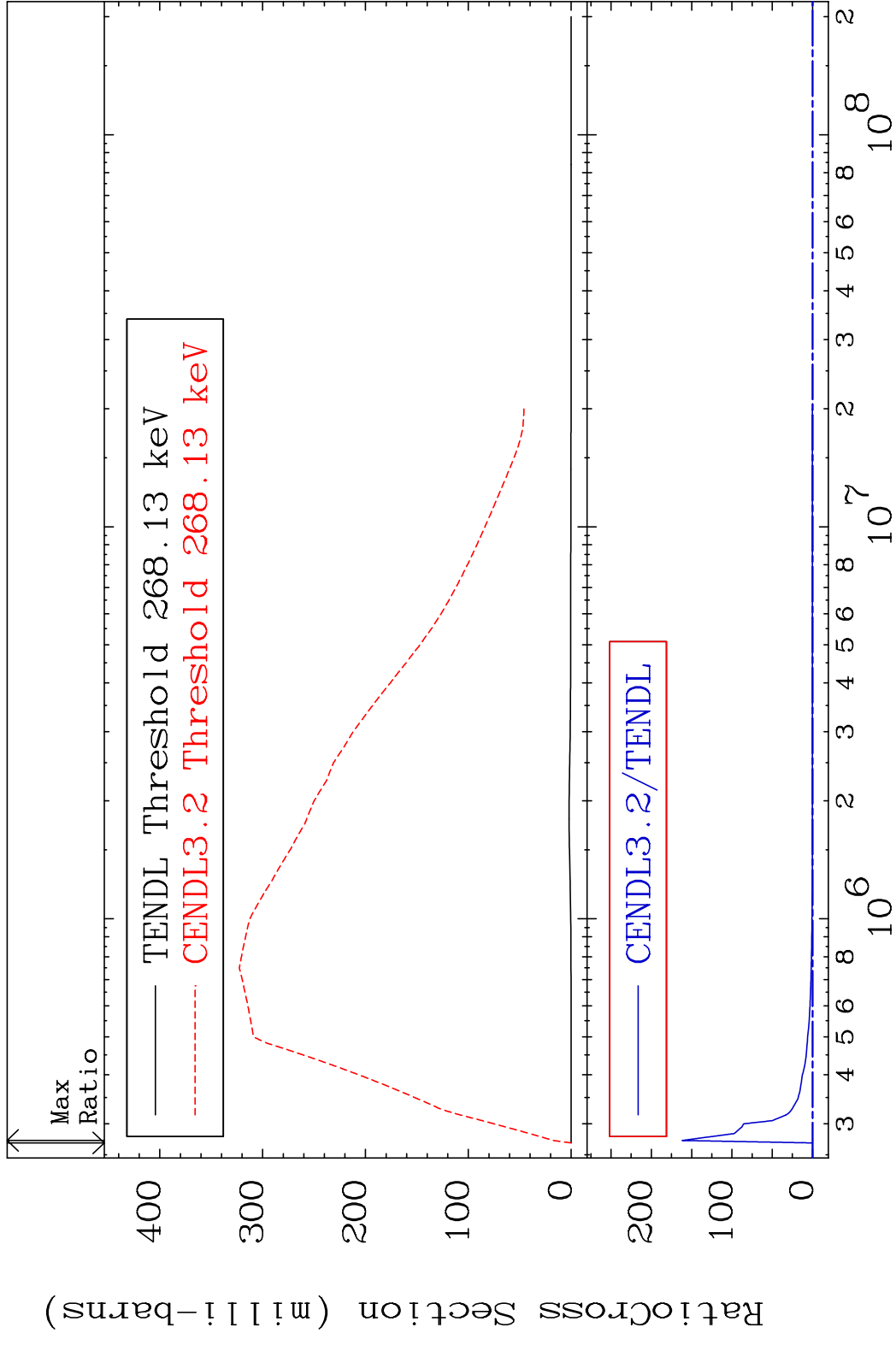
MAT 9352 MT= 60 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 533.6 %



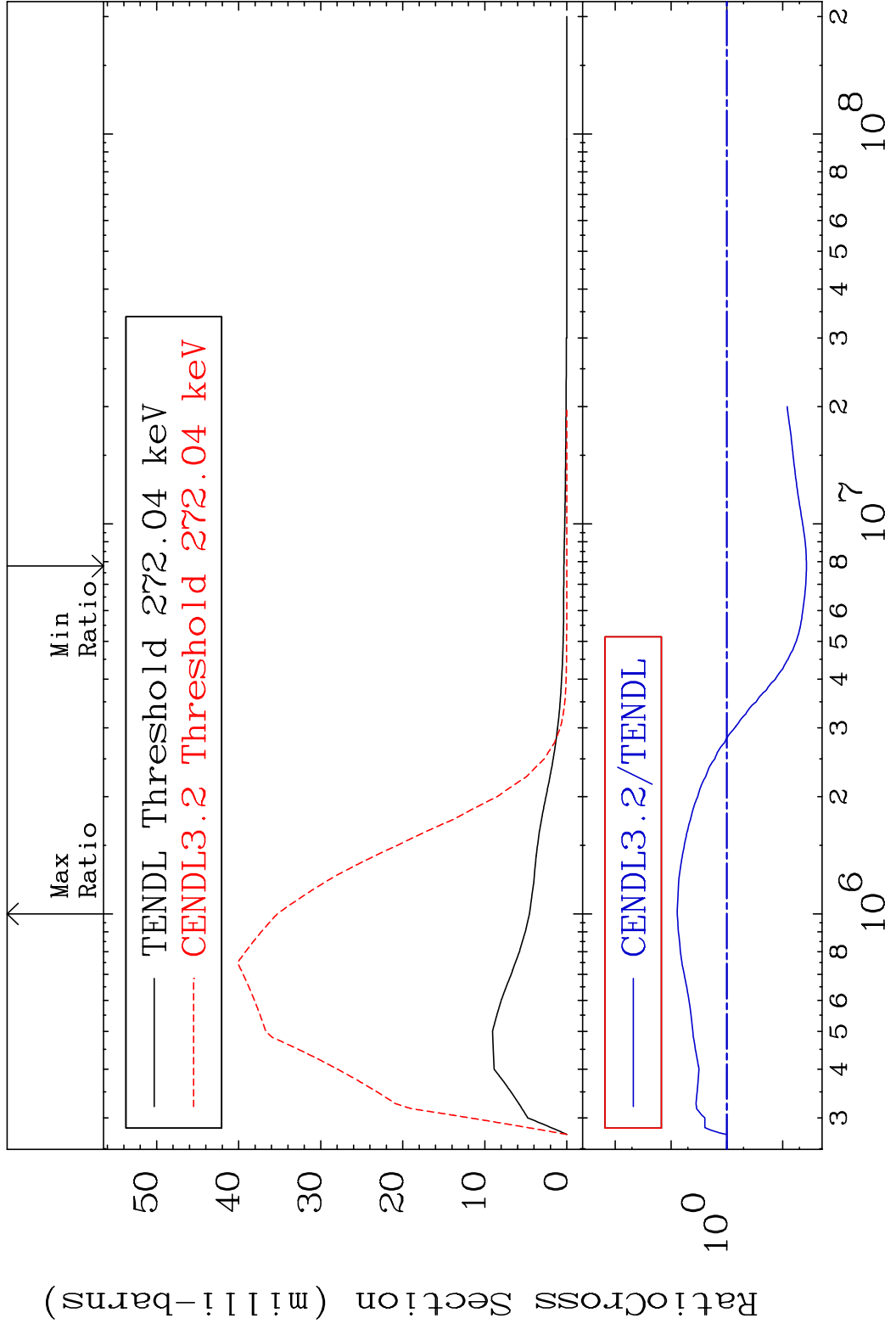
MAT 9352      MT= 61 (n, n') Level      93-Np-239  
 Cross Section      -95.91 To 889.7 %



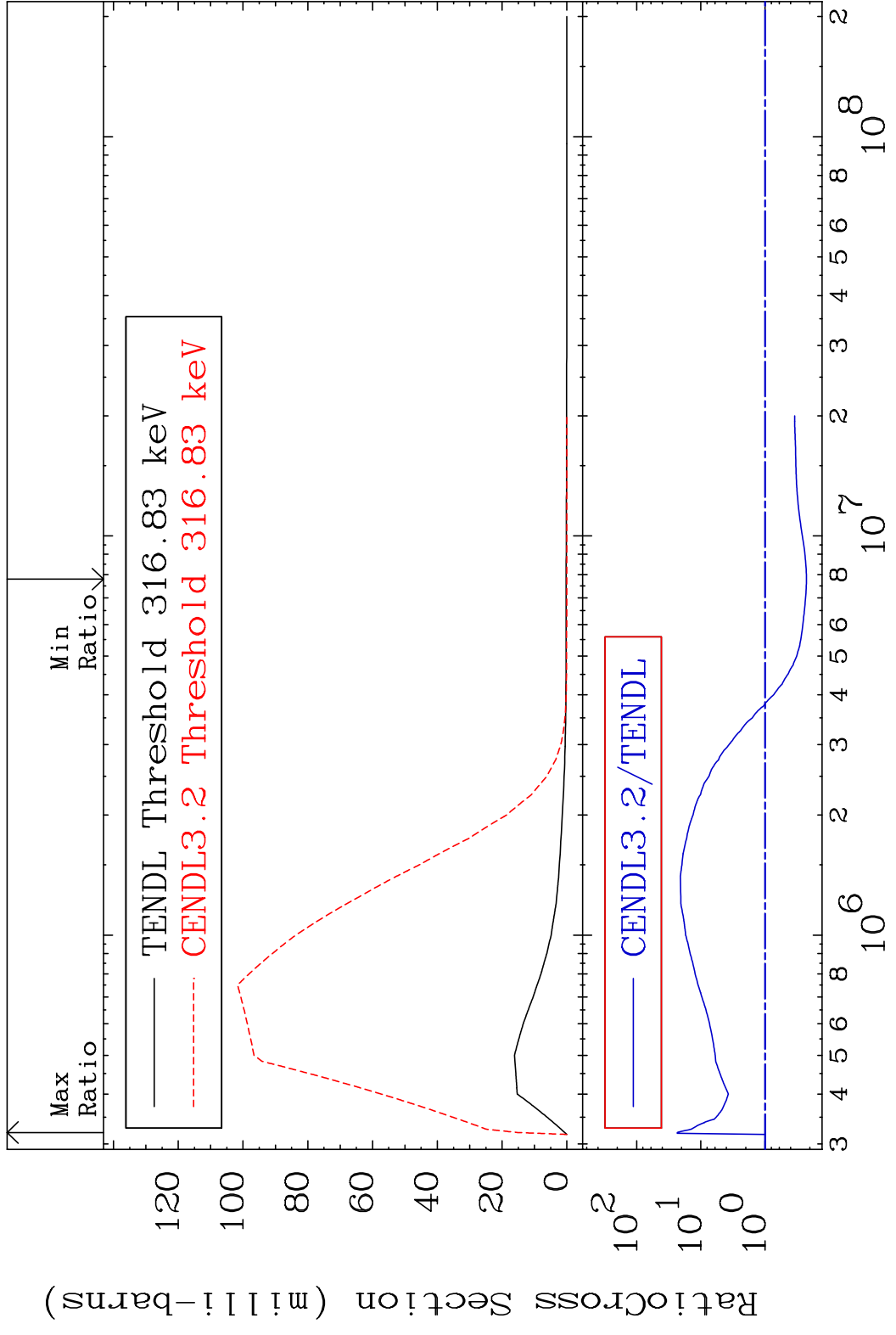
MAT 9352 MT= 62 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 9999. %



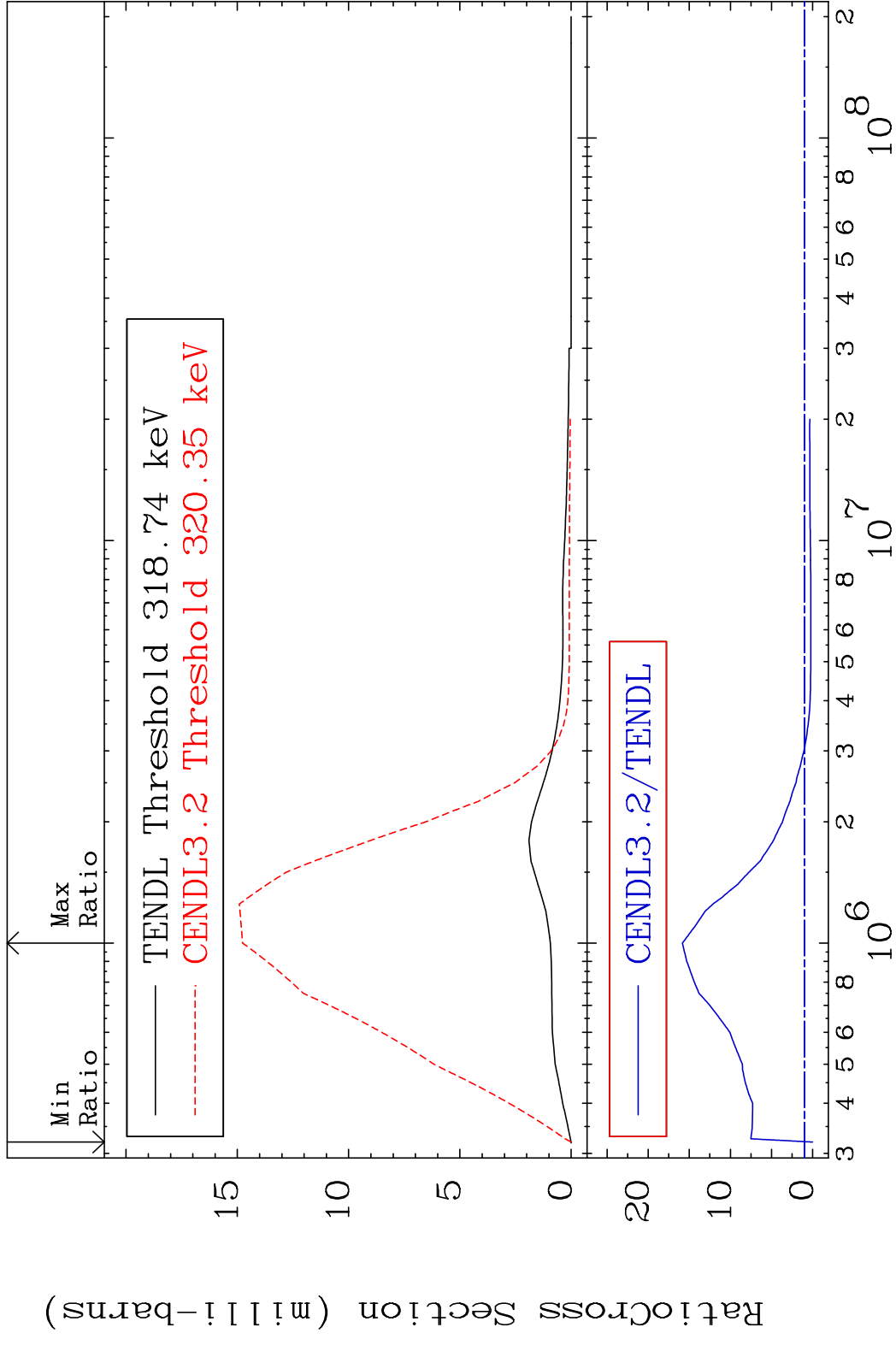
MAT 9352 MT= 63 (n, n') Level 93-Np-239  
 Cross Section -96.25 To 675.3 %



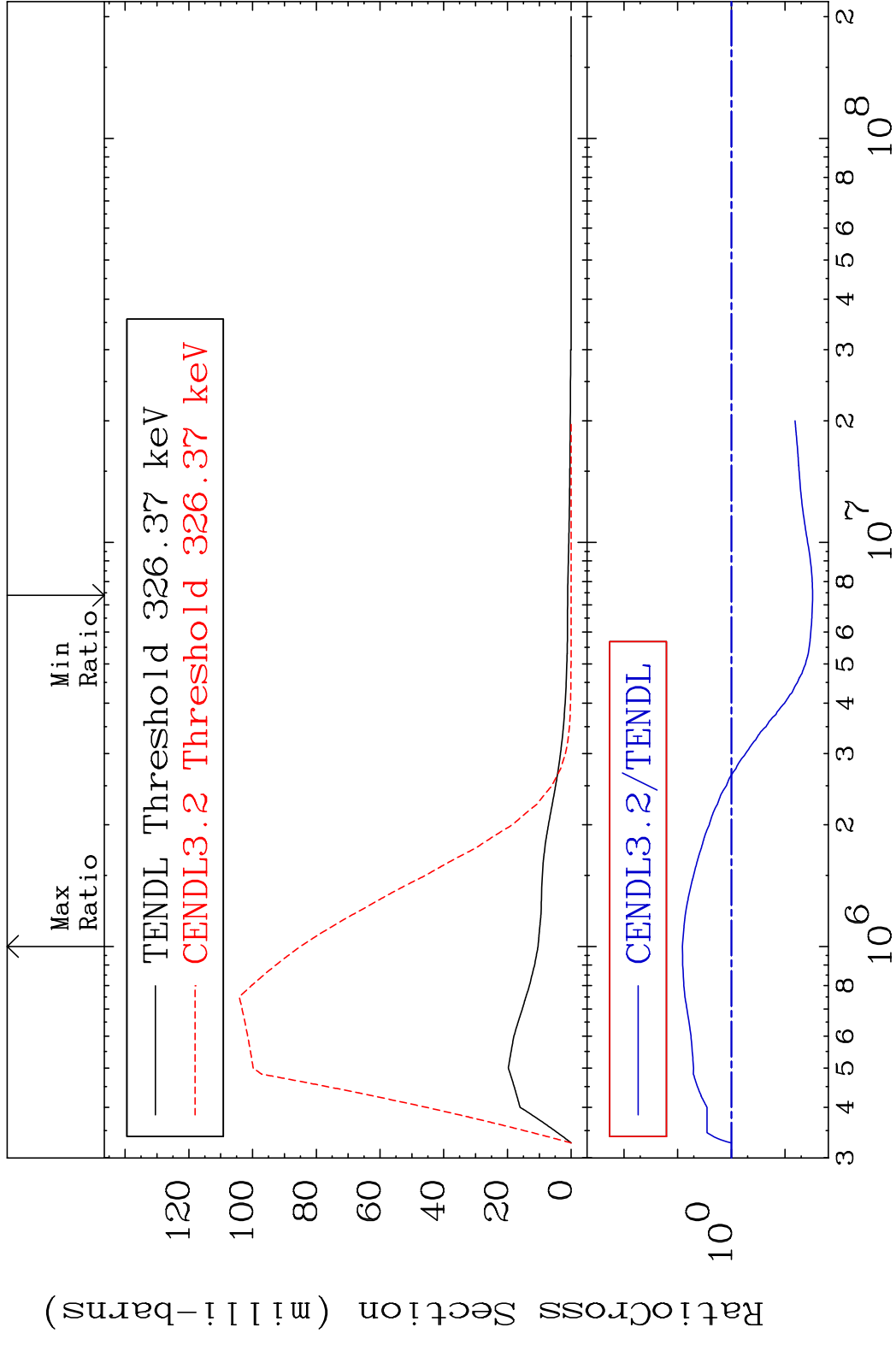
MAT 9352 MT= 64 (n, n') Level 93-Np-239  
 Cross Section -77.28 To 2238. %



MAT 9352 MT= 65 (n, n') Level 93-Np-239  
 Cross Section -100.0 To 1485. %



MAT 9352 MT= 66 (n, n') Level 93-Np-239  
 Cross Section -96.92 To 717.8 %

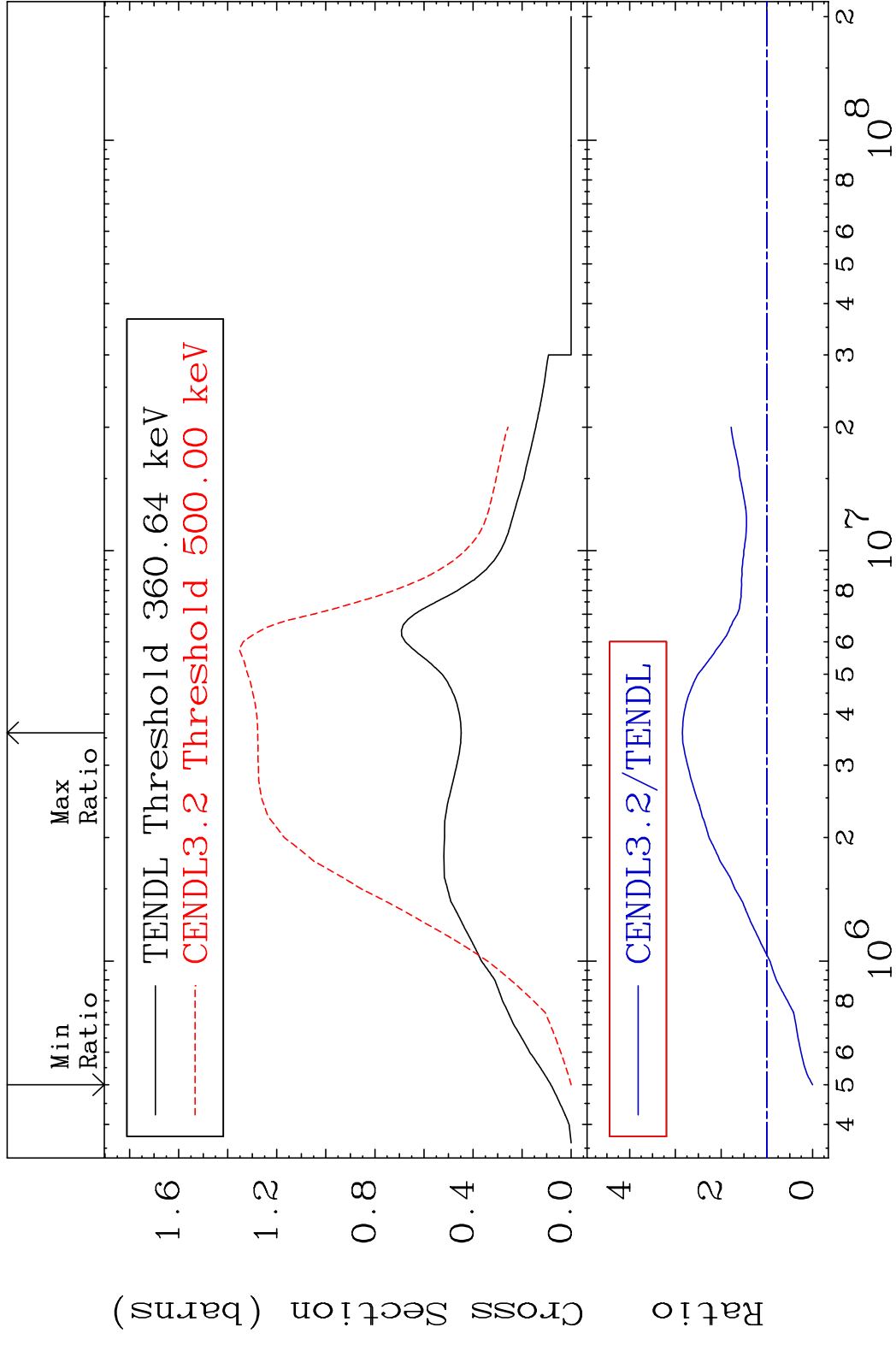


MAT 9352

(n, n') Continuum

93-Np-239

Cross Section -100.0 To 184.9 %

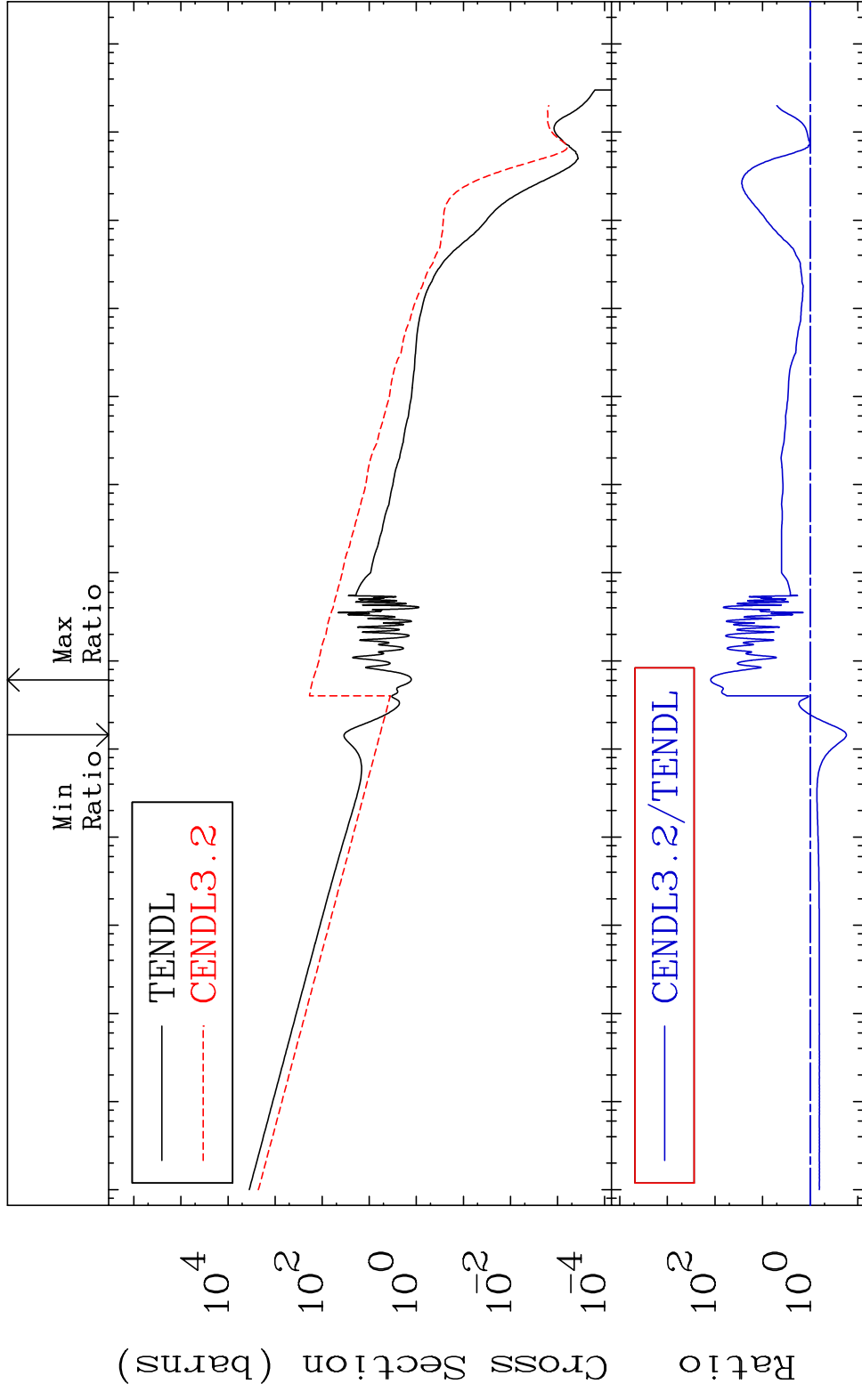




MAT 9352

(n,  $\gamma$ )  
Cross Section -82.59 To 9999. %

93-Np-239

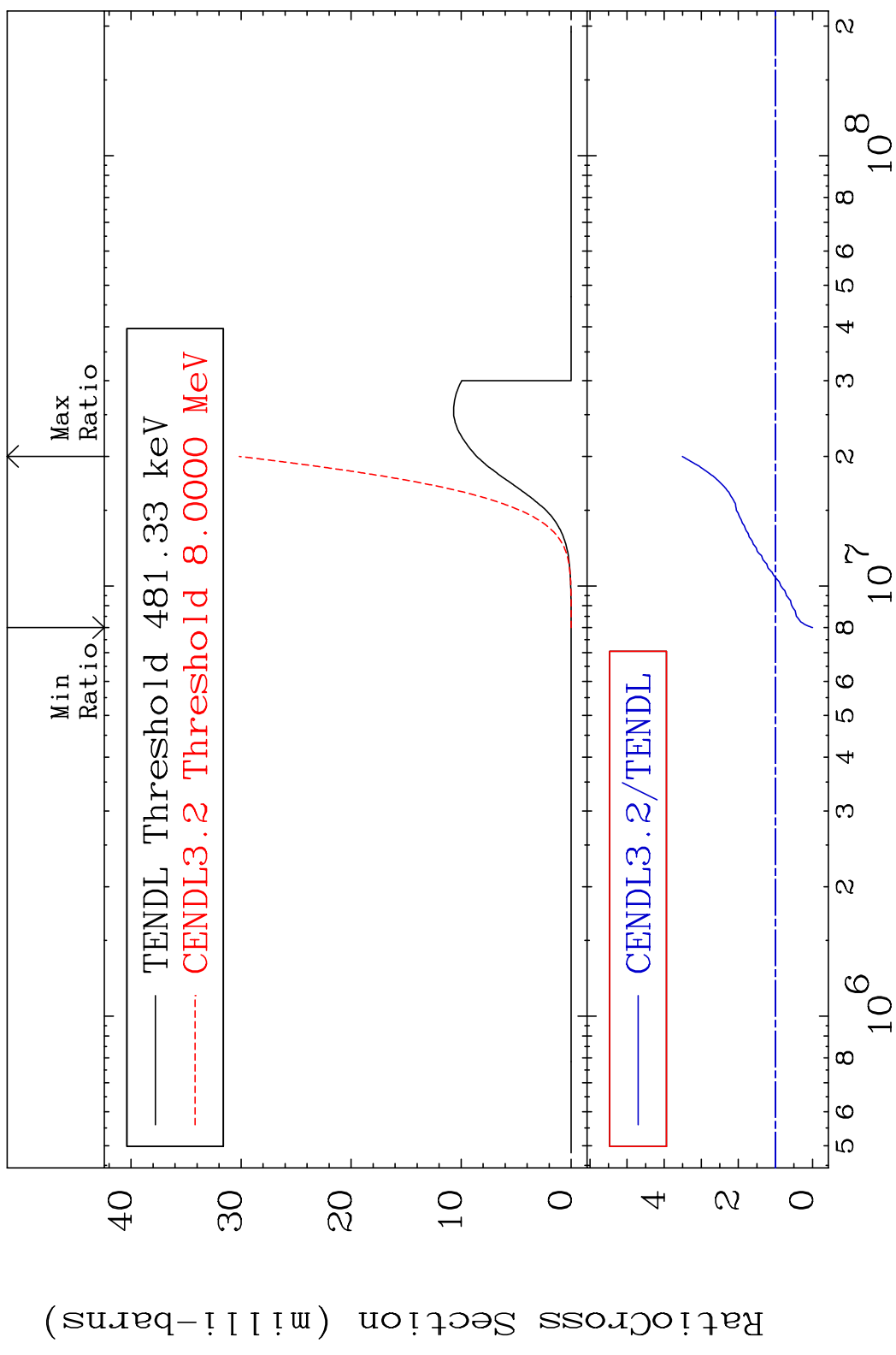


MAT 9352

(n, p)

93-Np-239

Cross Section -100.0 To 251.0 %

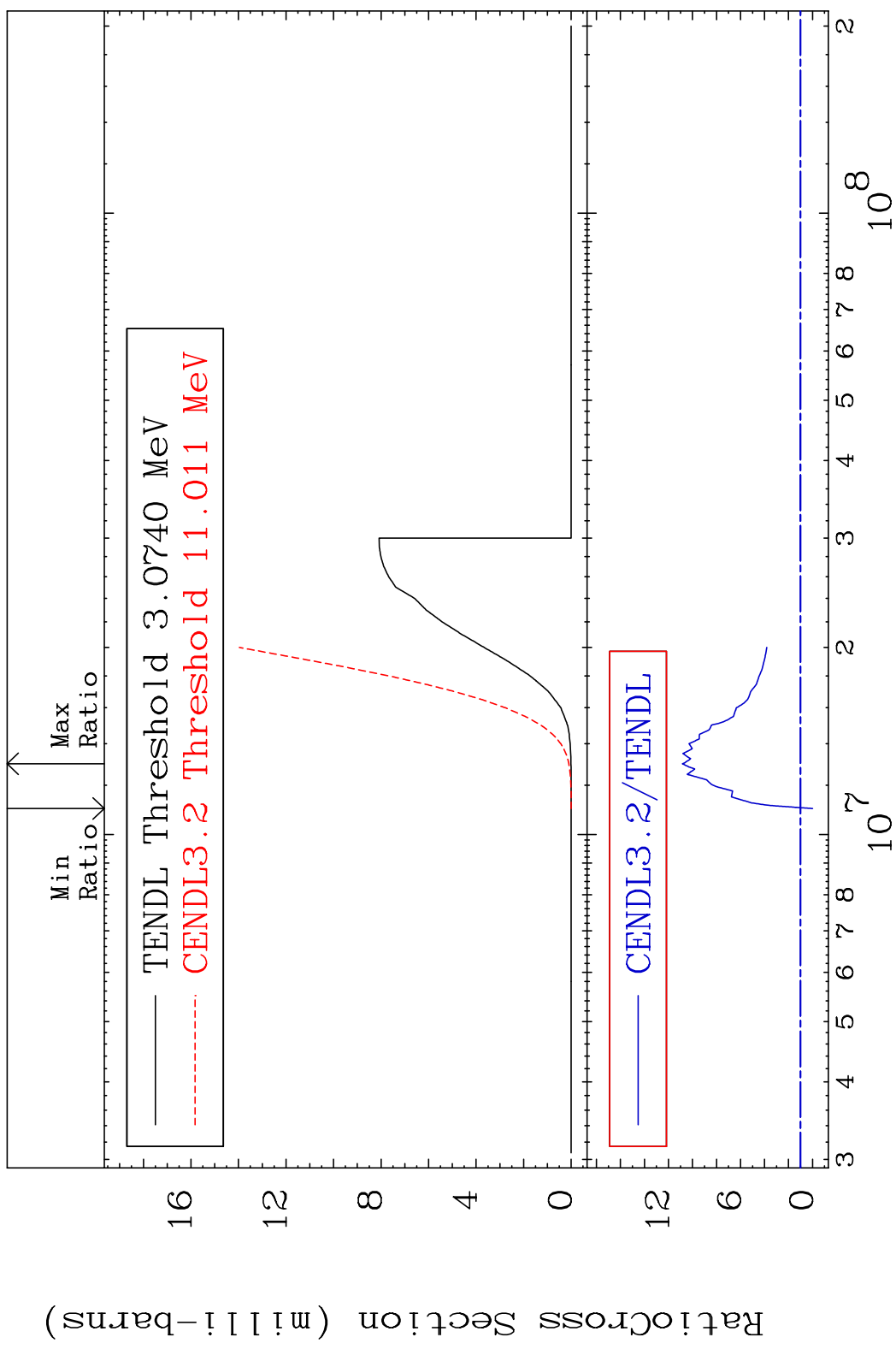


MAT 9352

(n, d)

93-Np-239

Cross Section -100.0 To 984.3 %

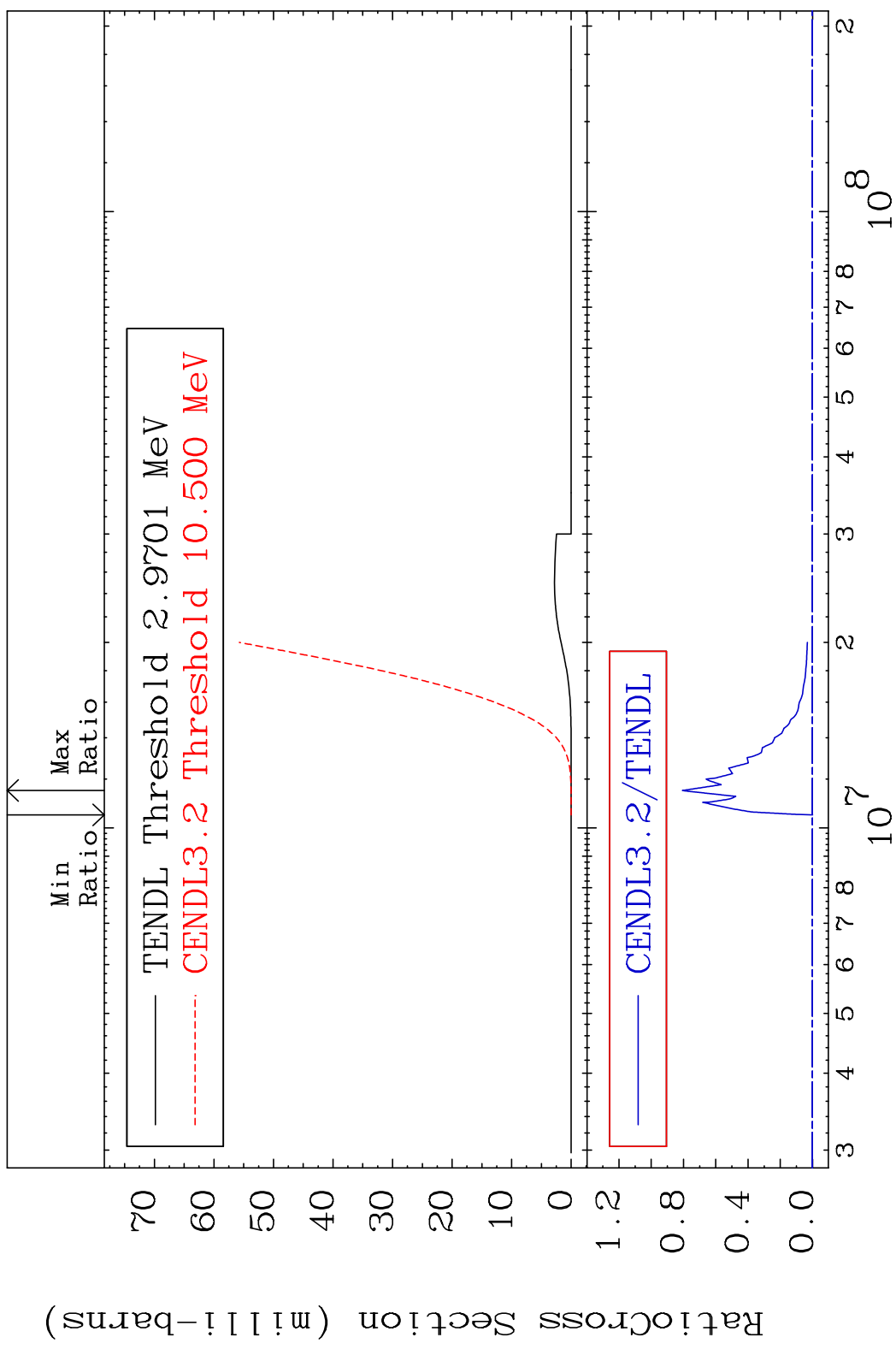


MAT 9352

(n, t)

93-Np-239

Cross Section -100.0 To 9999. %

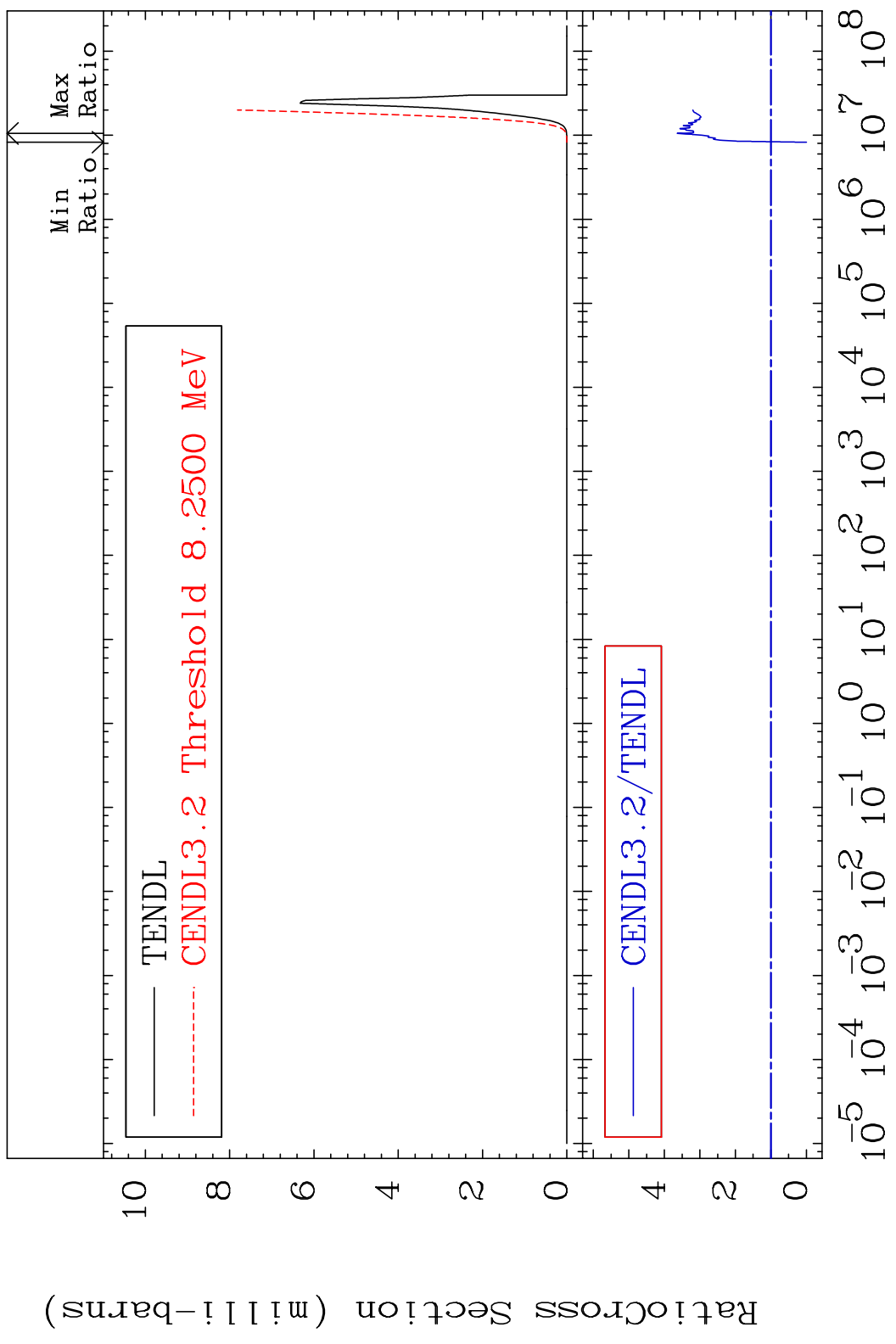


MAT 9352

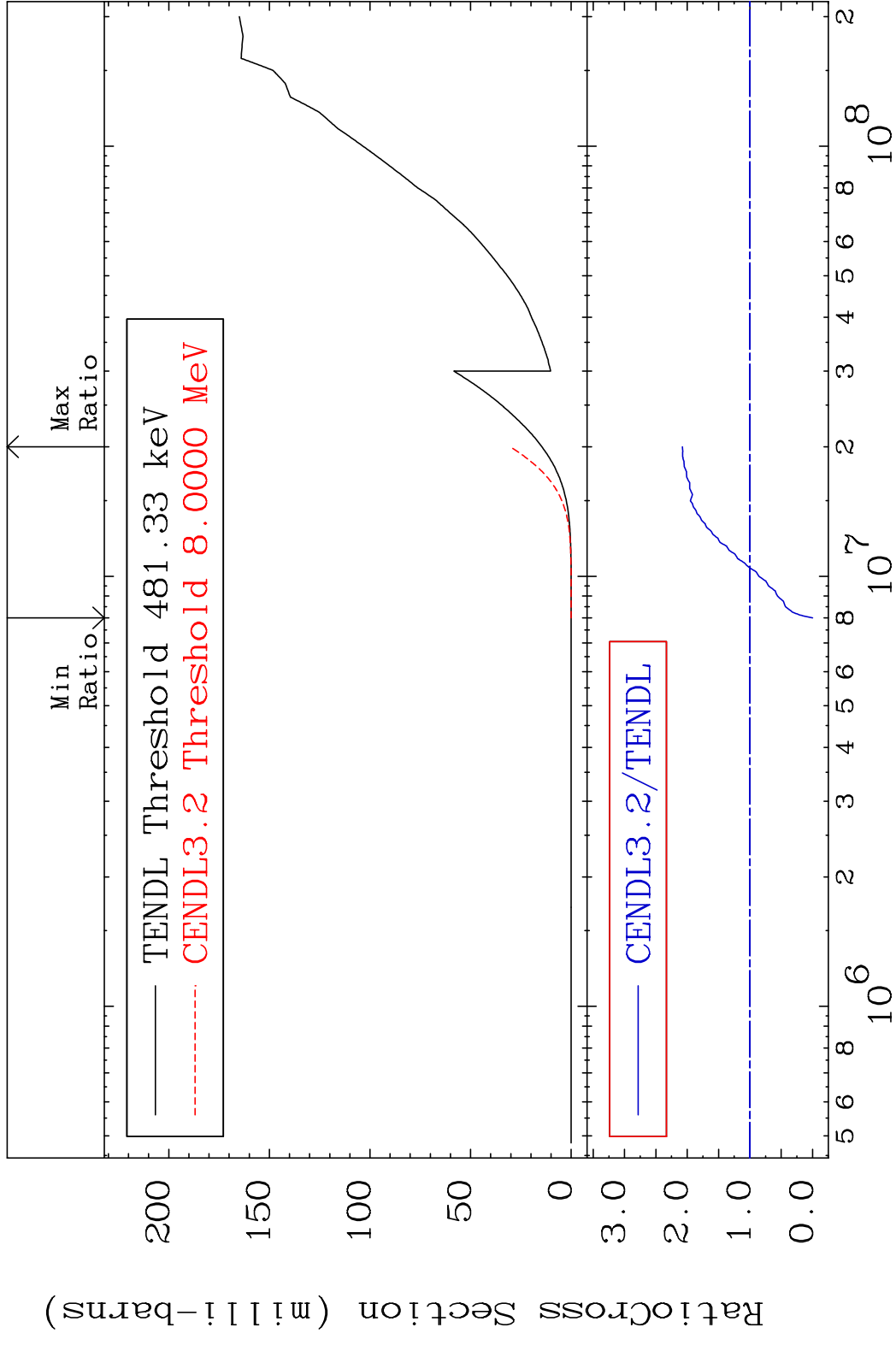
(n,  $\alpha$ )

93-Np-239

Cross Section -100.0 To 263.9 %

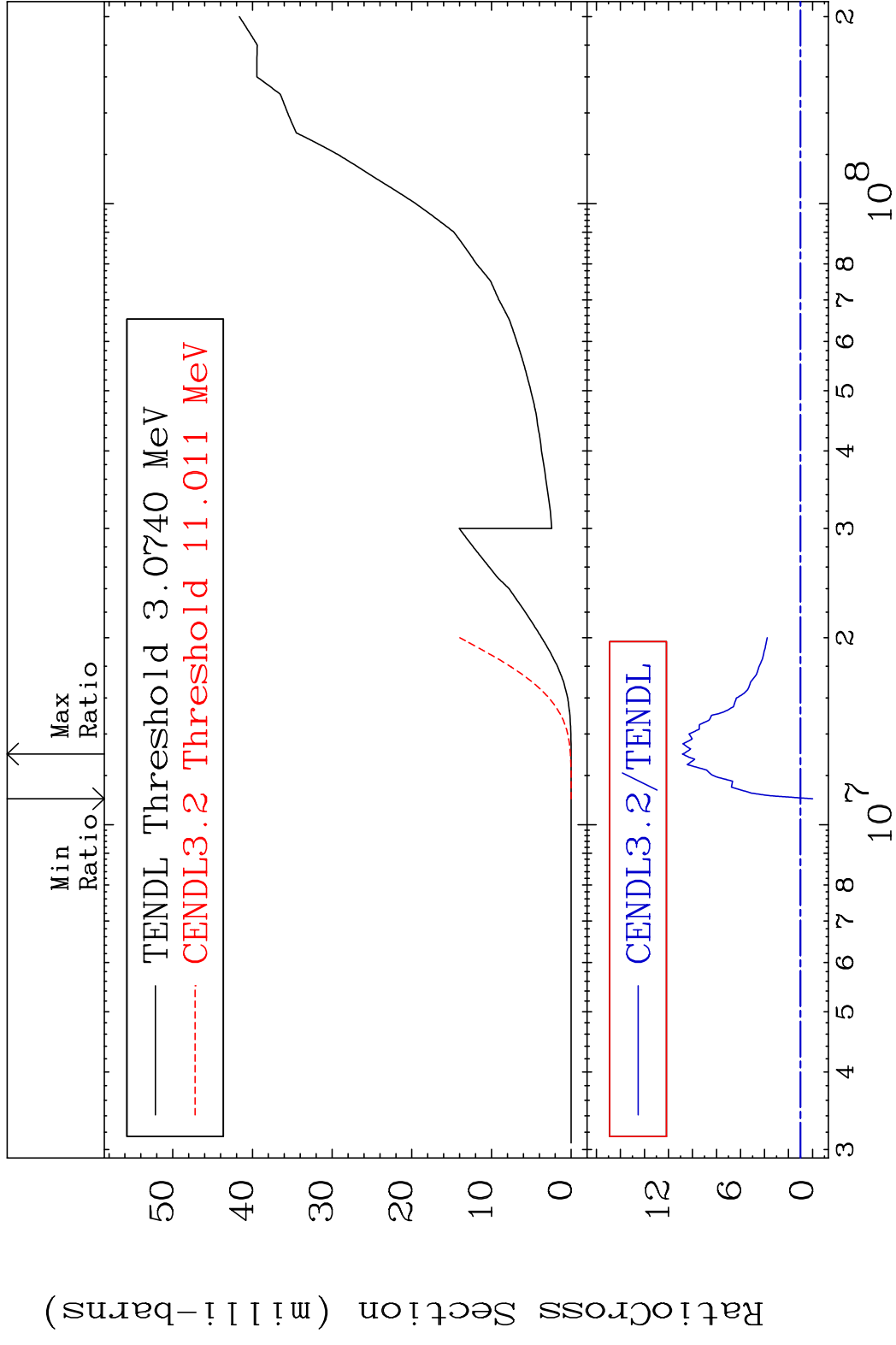


MAT 9352 Hydrogen Production 93-Np-239  
 Cross Section -100.0 To 107.8 %



MAT 9352

Deuterium Production 93-Np-239  
Cross Section -100.0 To 984.3 %



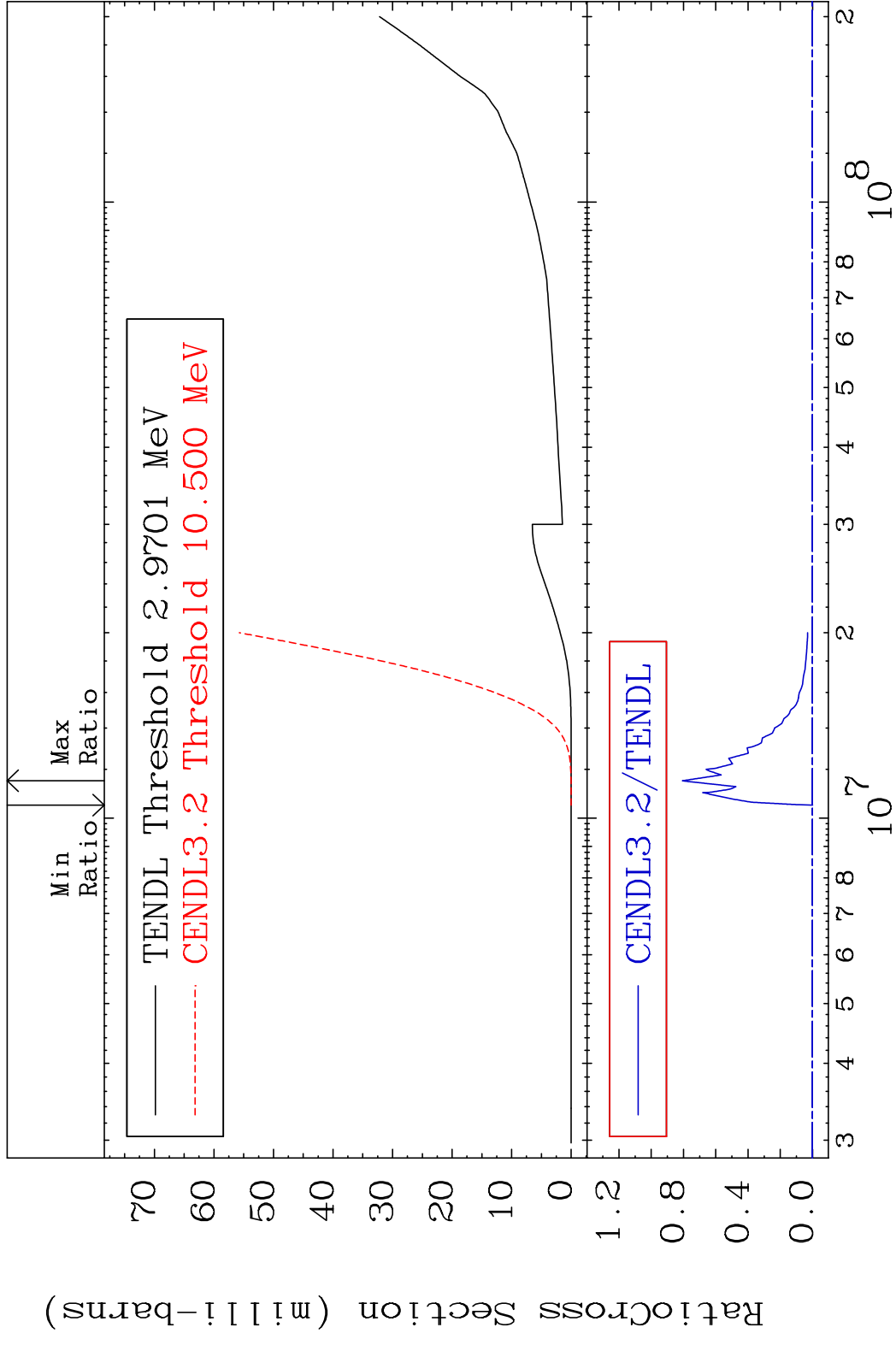
30

Incident Energy (eV)

93-Np-239

MAT 9352

Tritium Production 93-Np-239  
Cross Section -100.0 To 9999. %



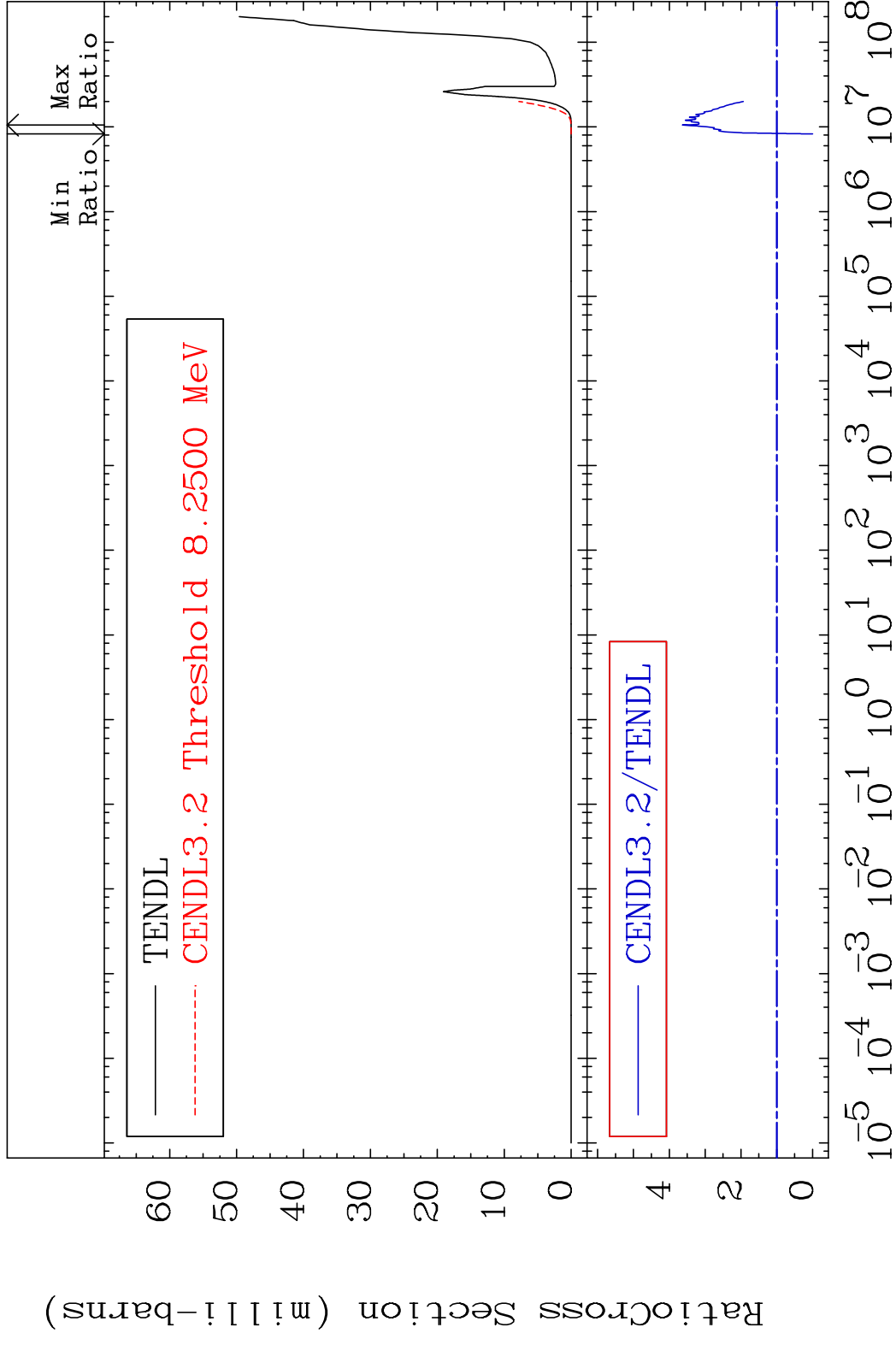


MAT 9352

He-4 Production

93-Np-239

Cross Section -100.0 To 263.5 %

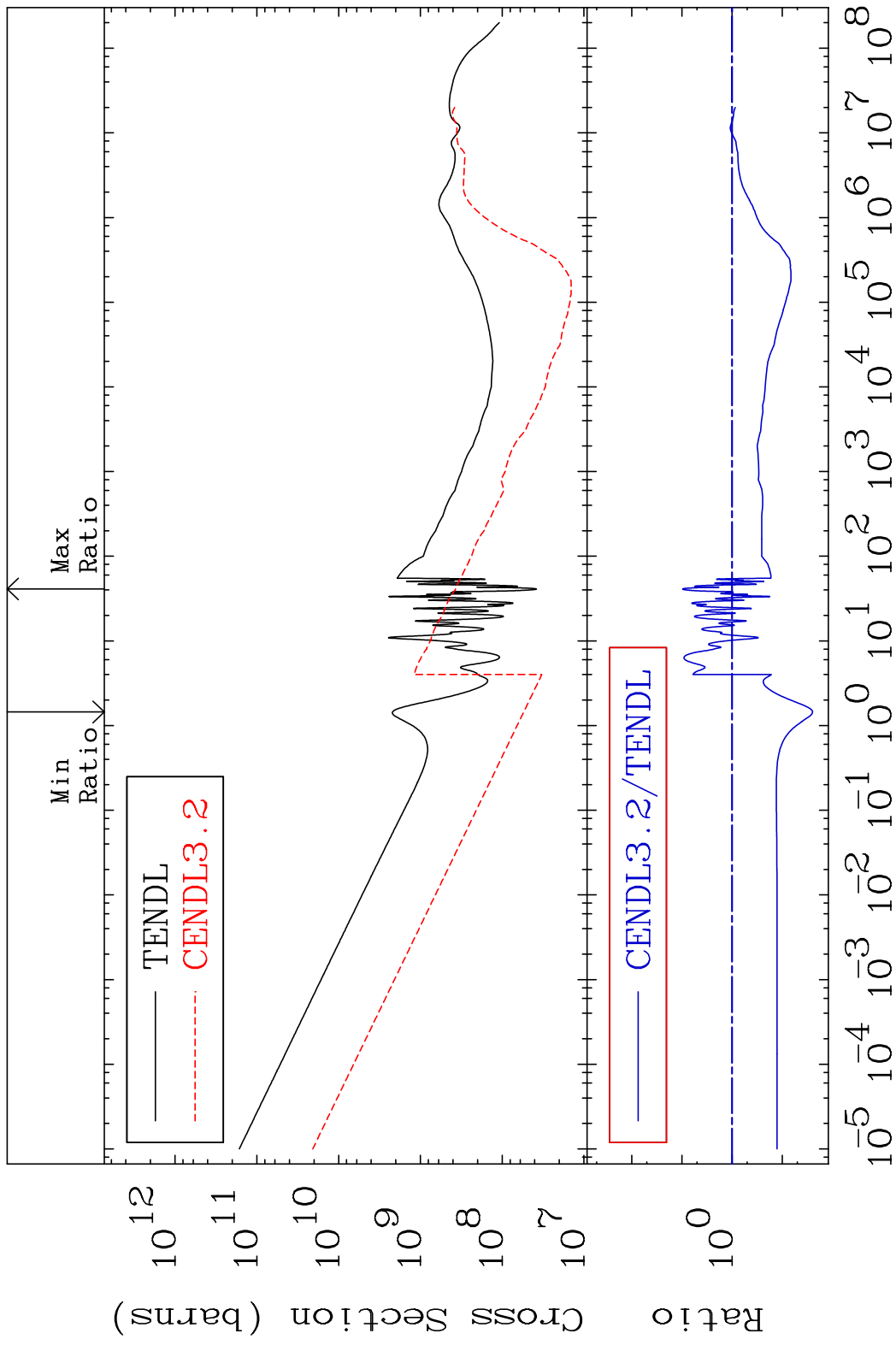


32

Incident Energy (eV)

93-Np-239

MAT 9352 Kerma total (eV-barns) 93-Np-239  
 Cross Section -97.51 To 878.2 %

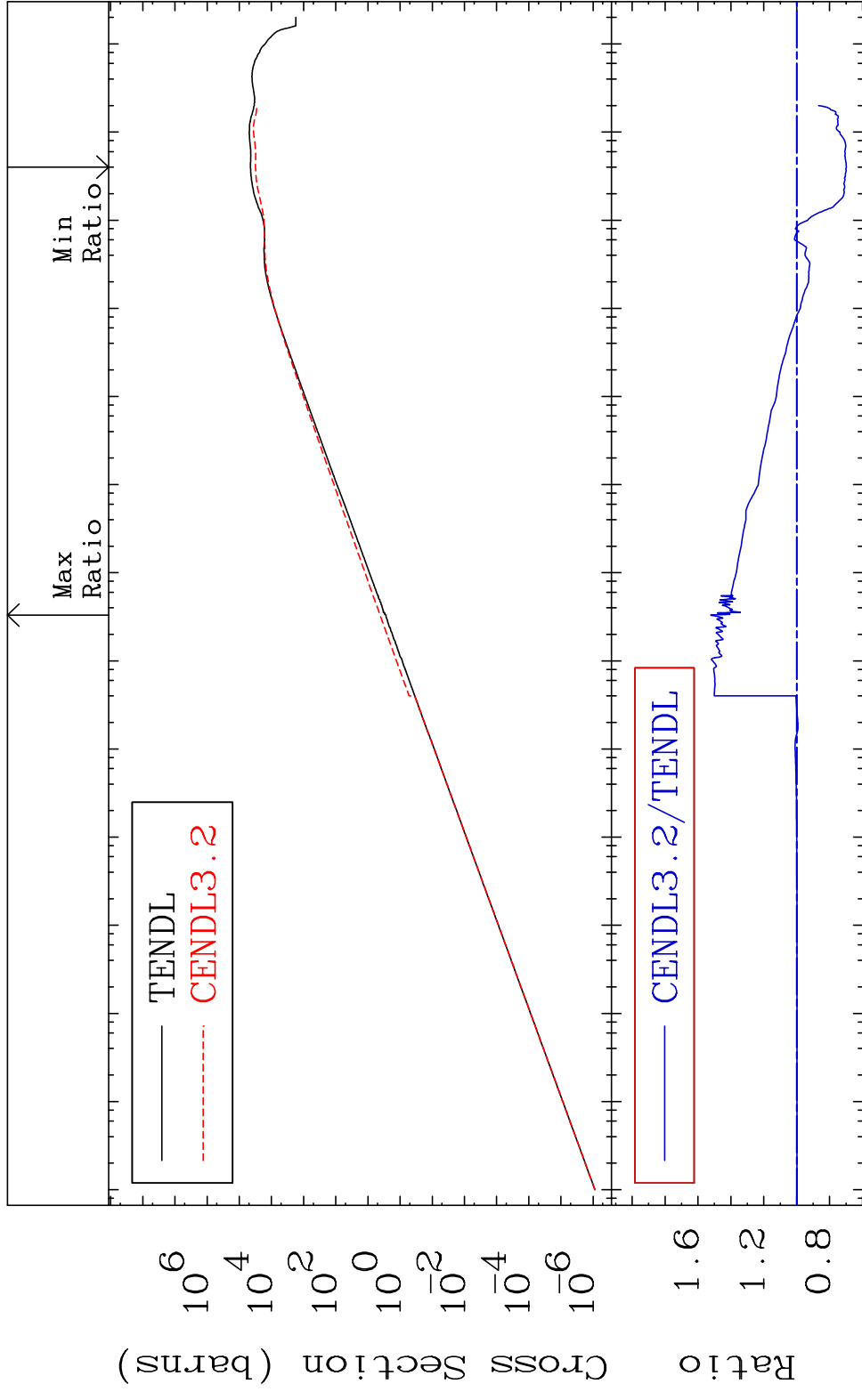


33 Incident Energy (eV) 93-Np-239

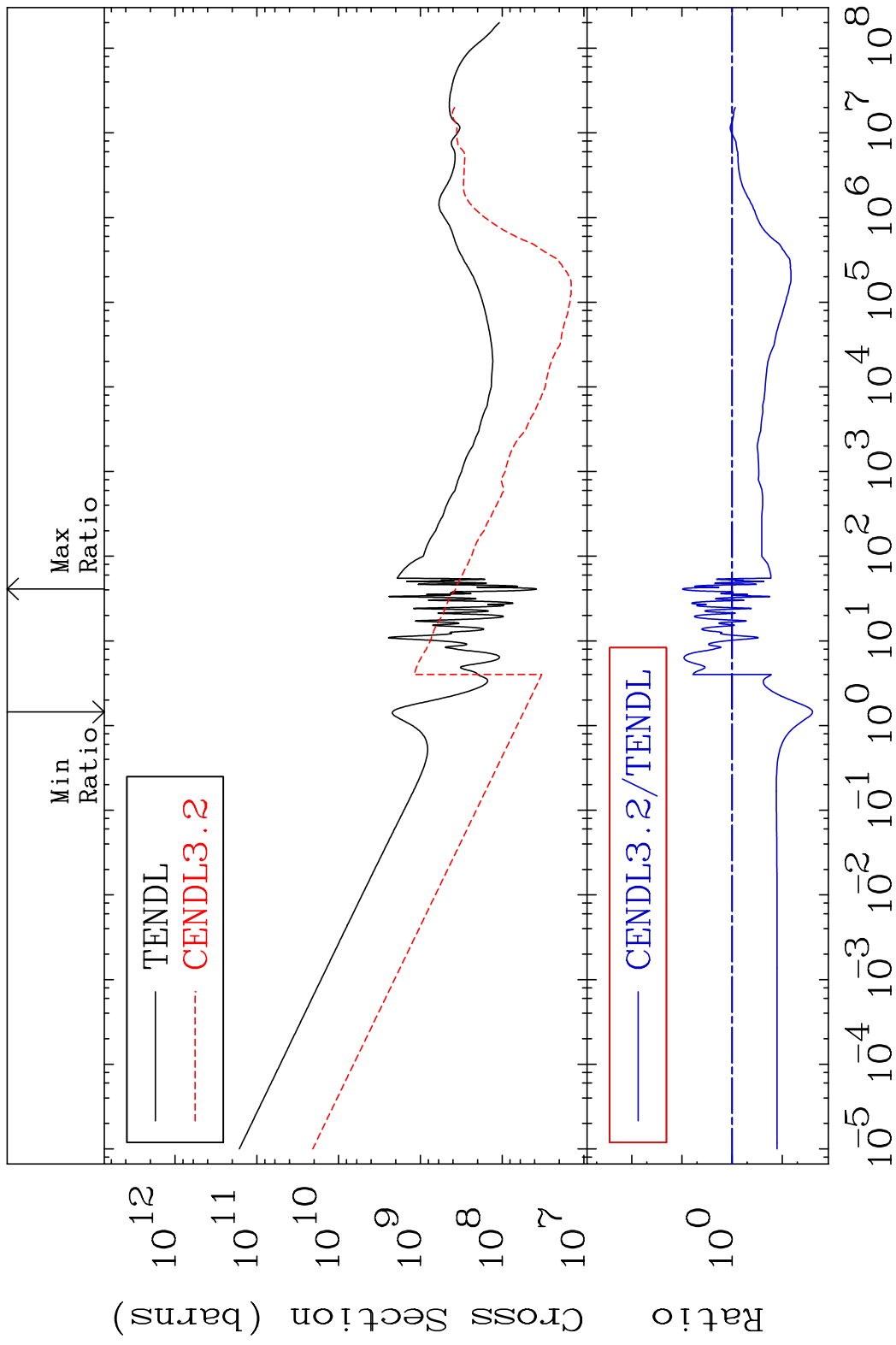
MAT 9352

Kerma elastic Cross Section -30.16 To 52.24 %

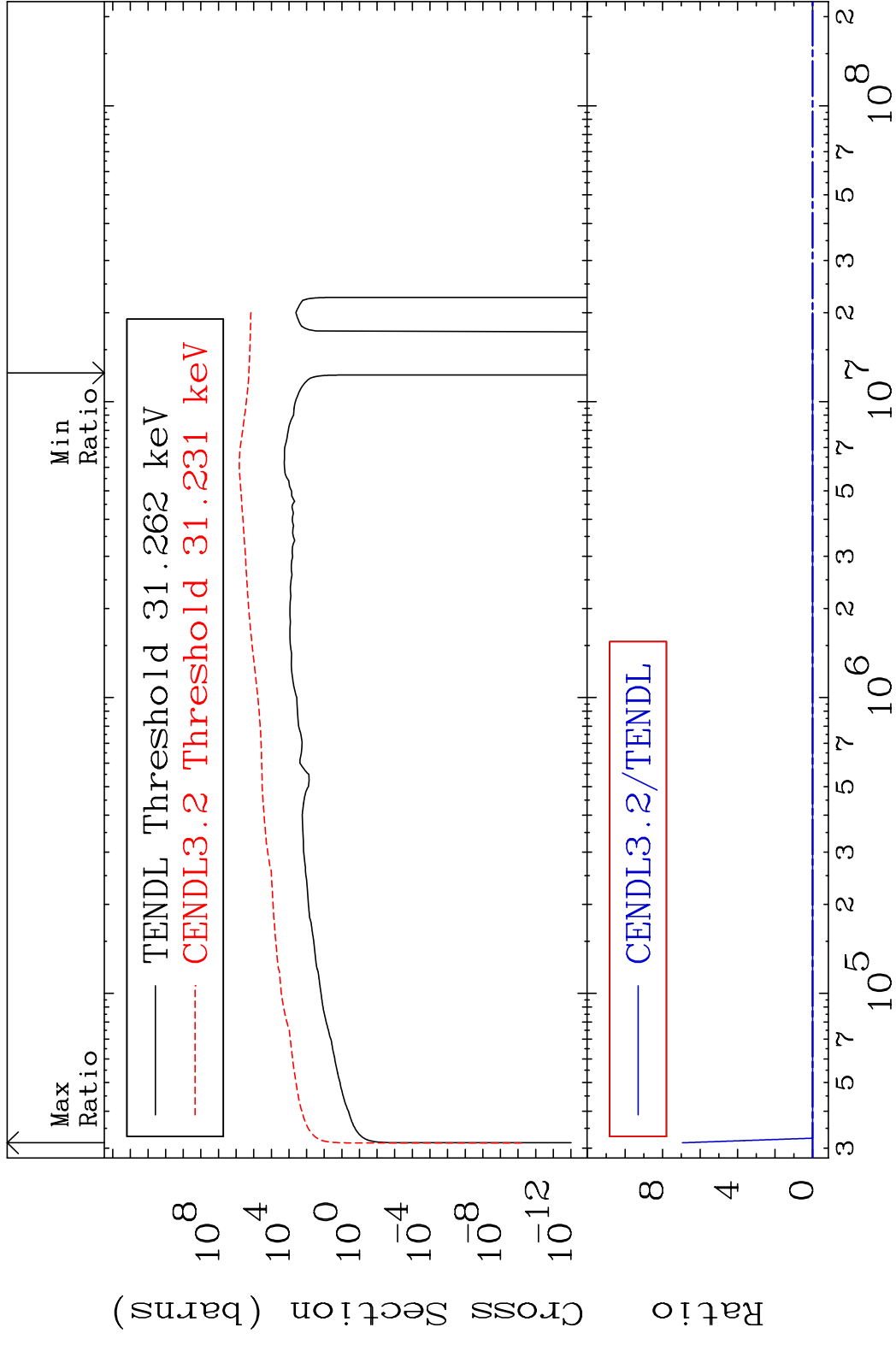
93-Np-239



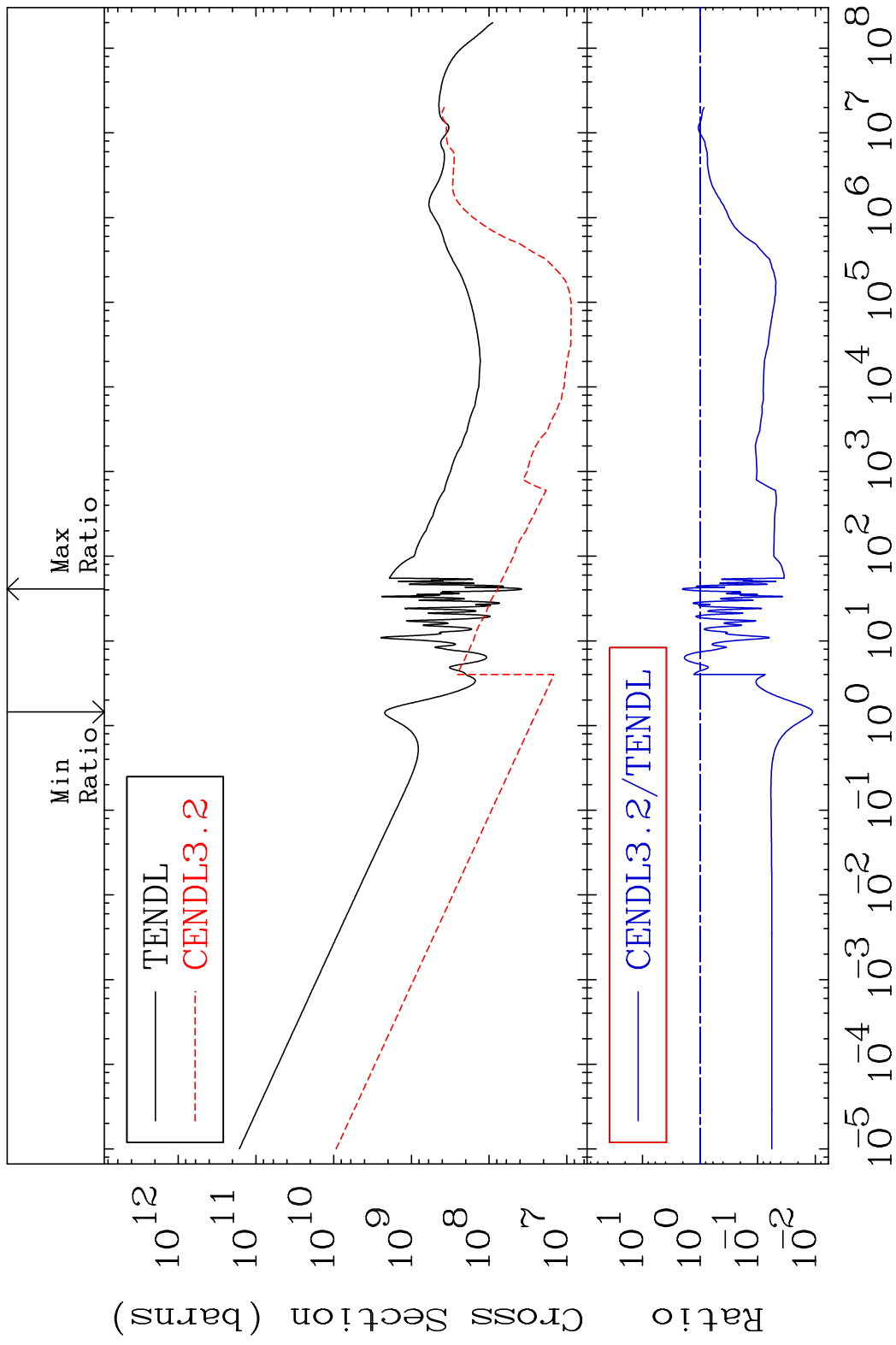
MAT 9352 Kerma non-elastic (all but mt2) 93-Np-239  
 Cross Section -97.51 To 878.2 %

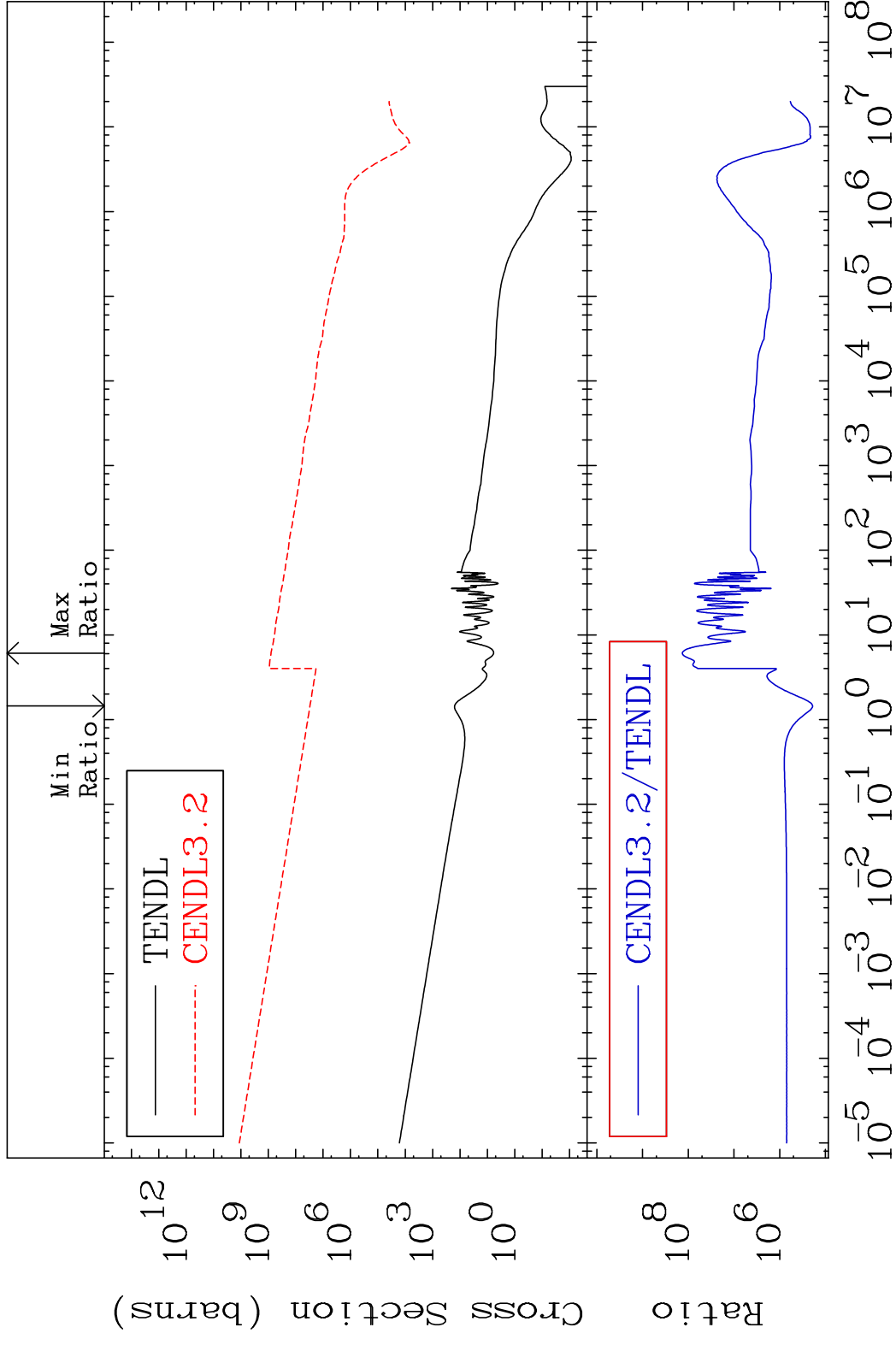


MAT 9352 Kerma inelastic (mt51-91) 93-Np-239  
 Cross Section -9999. To 9999. %

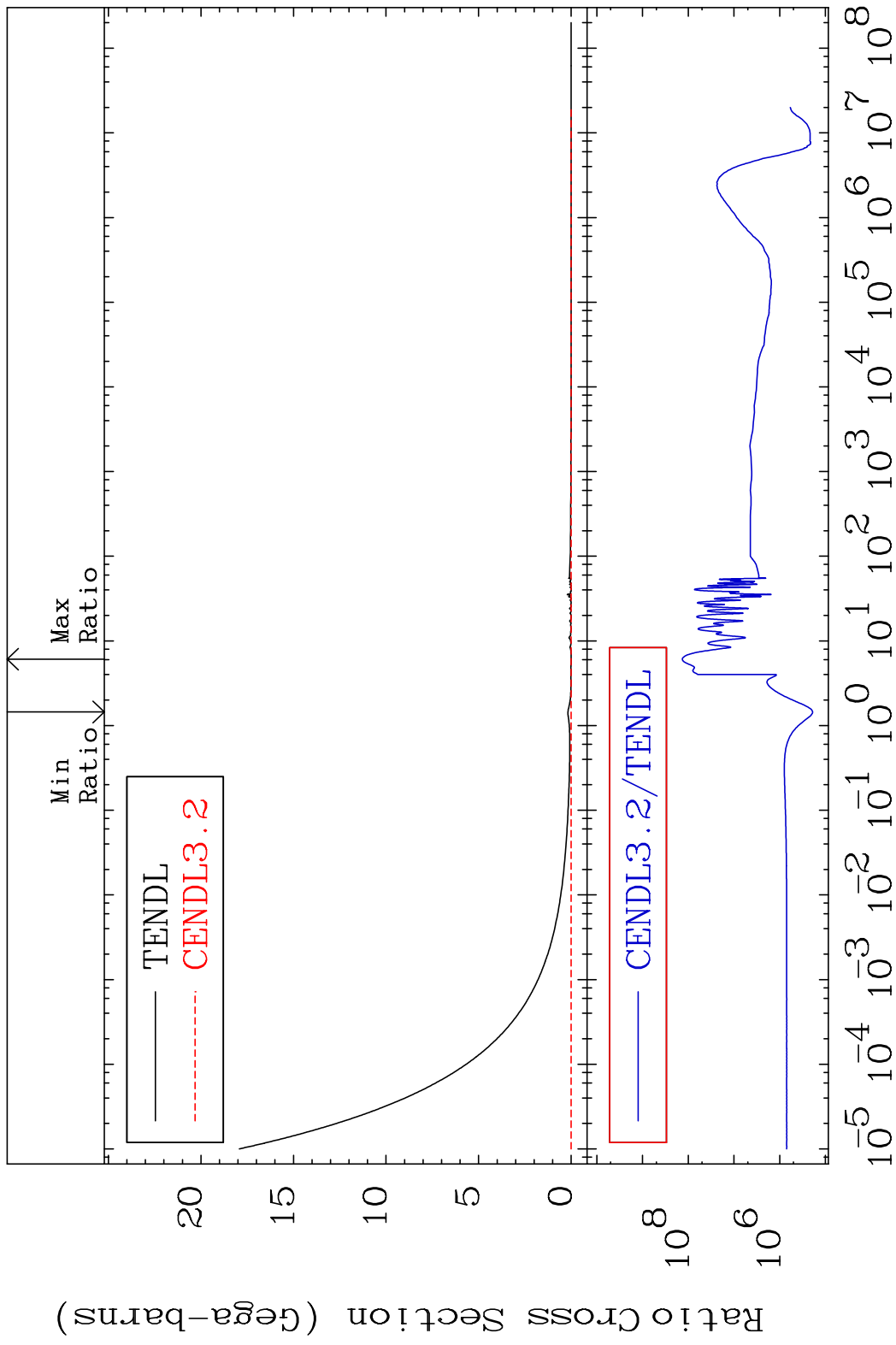


MAT 9352 Kerma fission (mt18 or mt19-20-21-38) 93-Np-239  
 Cross Section -98.88 To 103.3 %





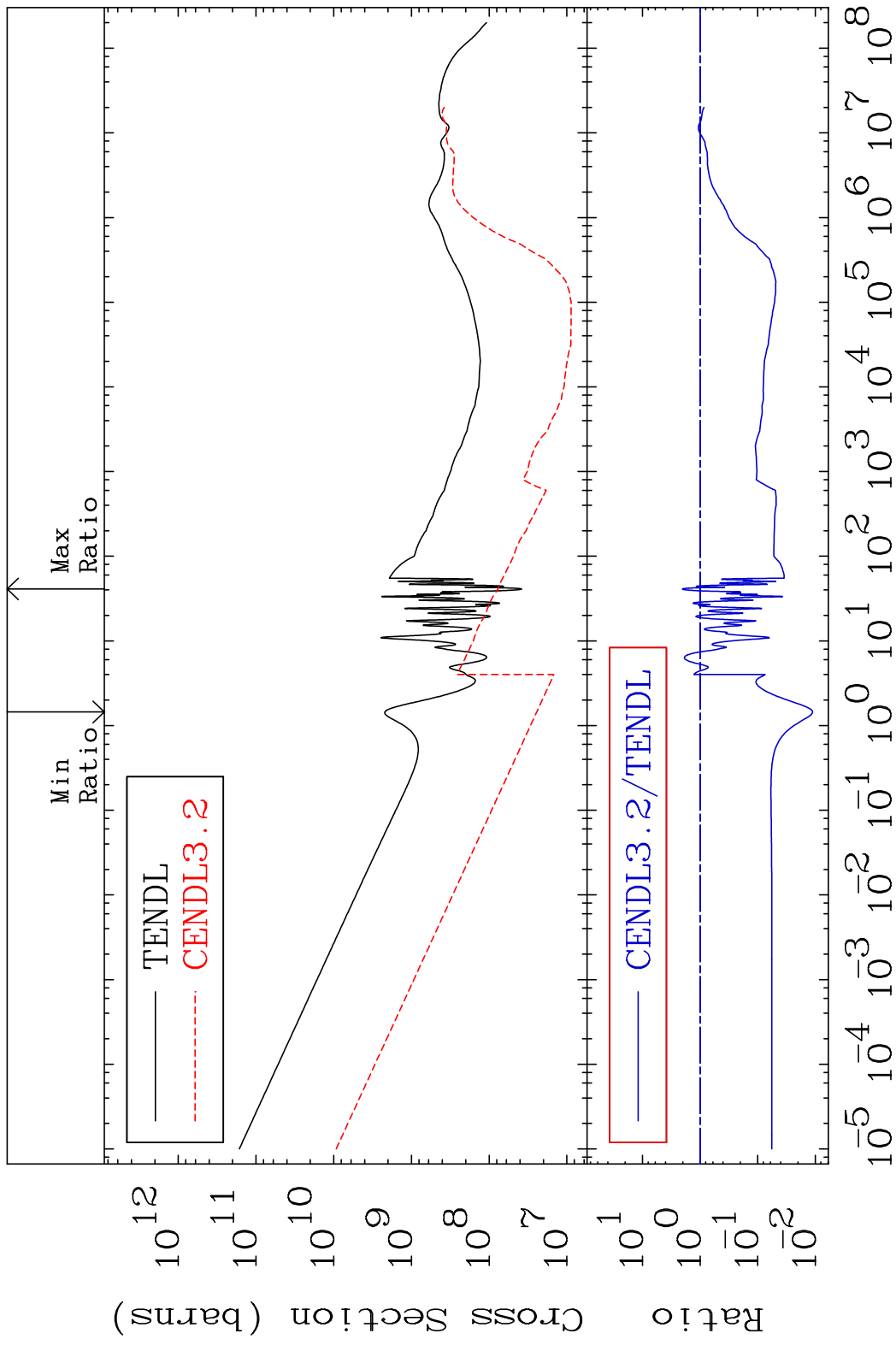
MAT 9352 Total photon (eV-barns) 93-Np-239  
 Cross Section 9999. To 9999. %



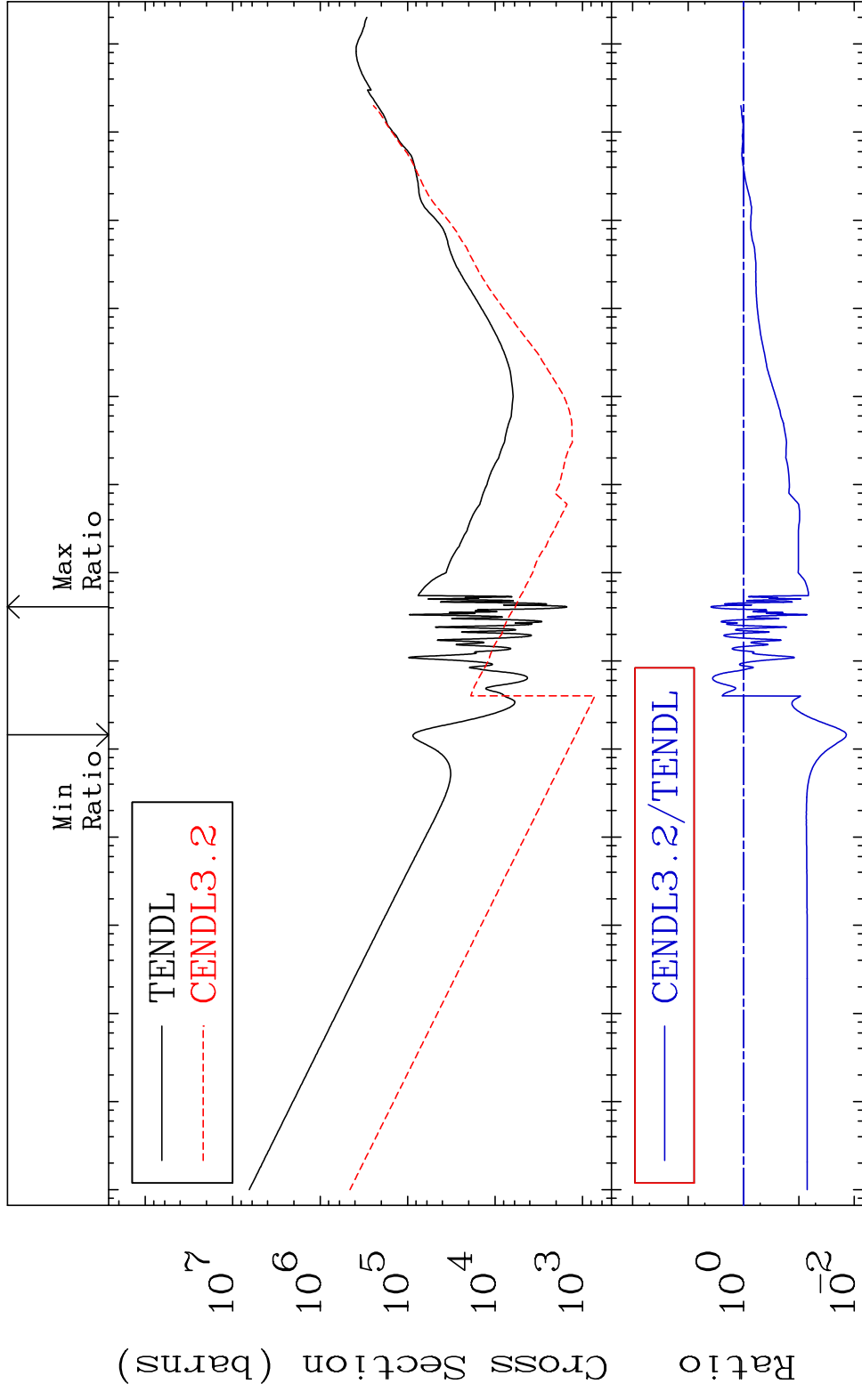
39 Incident Energy (eV) 93-Np-239



MAT 9352 Total kinematic kerma (high limit) 93-Np-239  
Cross Section -98.88 To 103.3 %



MAT 9352      Dpa total (eV-barns)      93-Np-239  
 Cross Section      -98.61 To 290.1 %



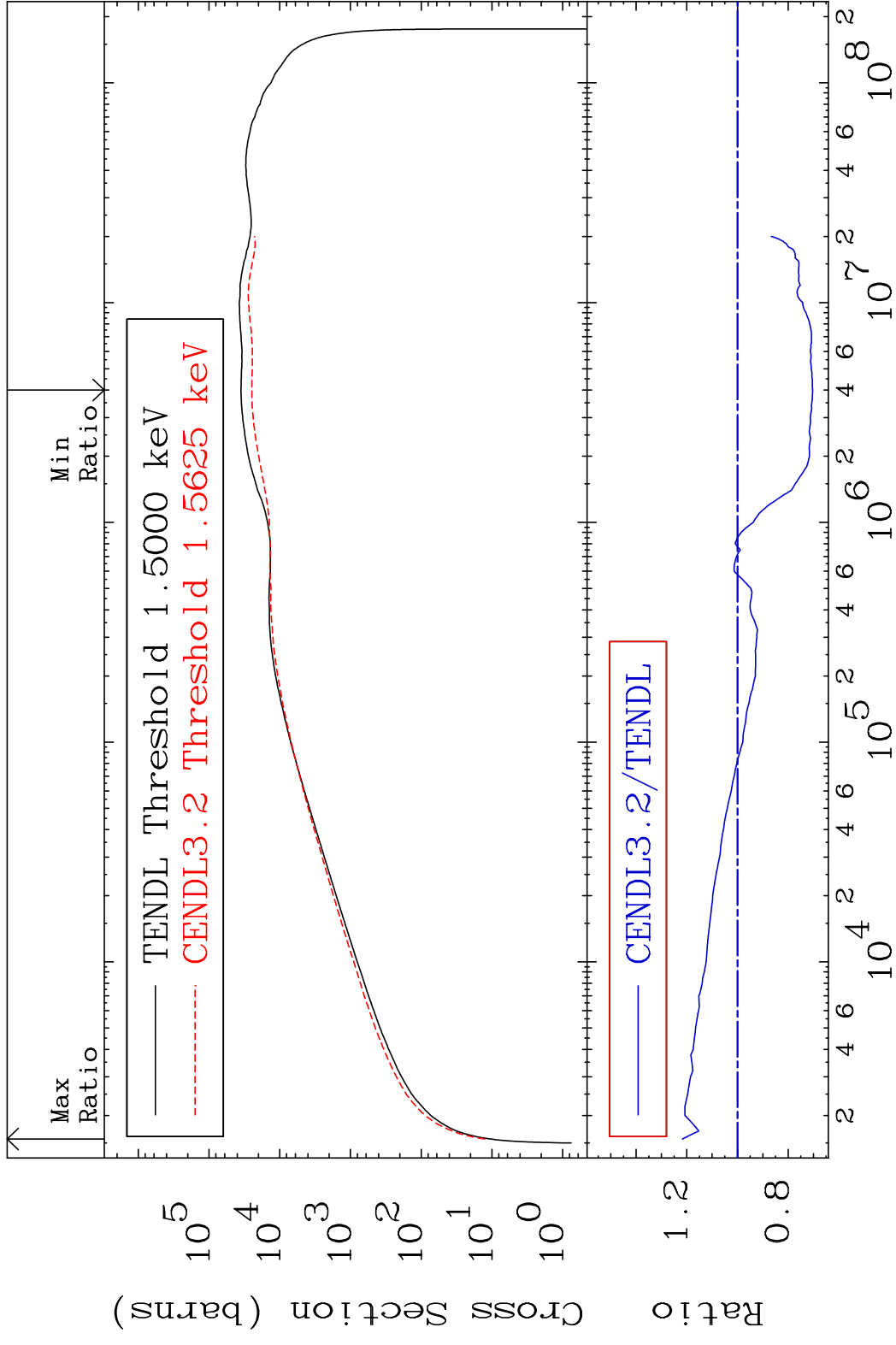
MAT 9352

Dpa elastic (mt2)

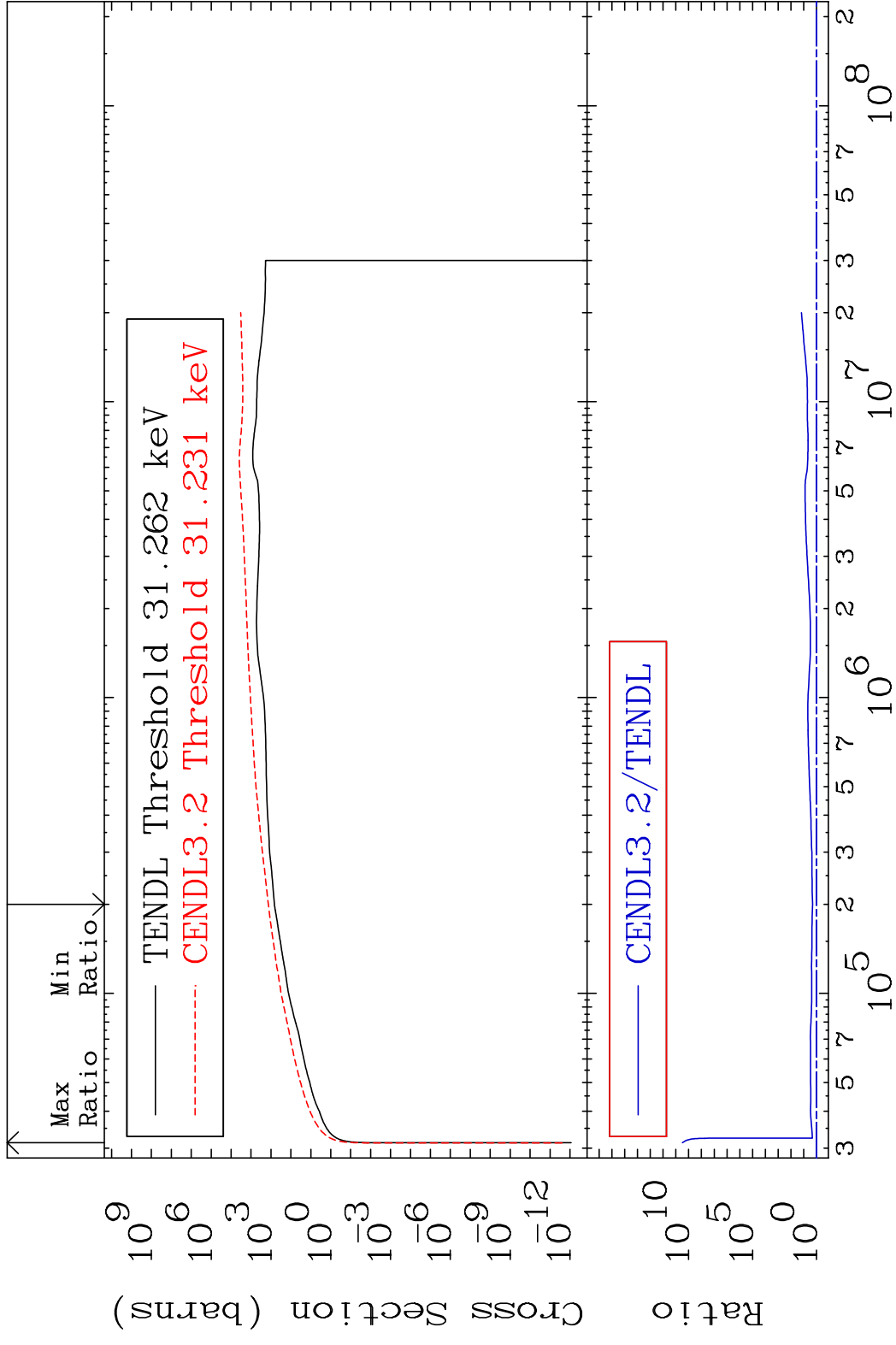
93-Np-239

Cross Section

-29.65 To 21.76 %



MAT 9352      Dpa inelastic (mt51-91)      93-Np-239  
 Cross Section    101.0    To 9999. %



MAT 9352    Dpa disappearance (mt102 -120)    93-Np-239  
 Cross Section    399.8    To 9999. %

