

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

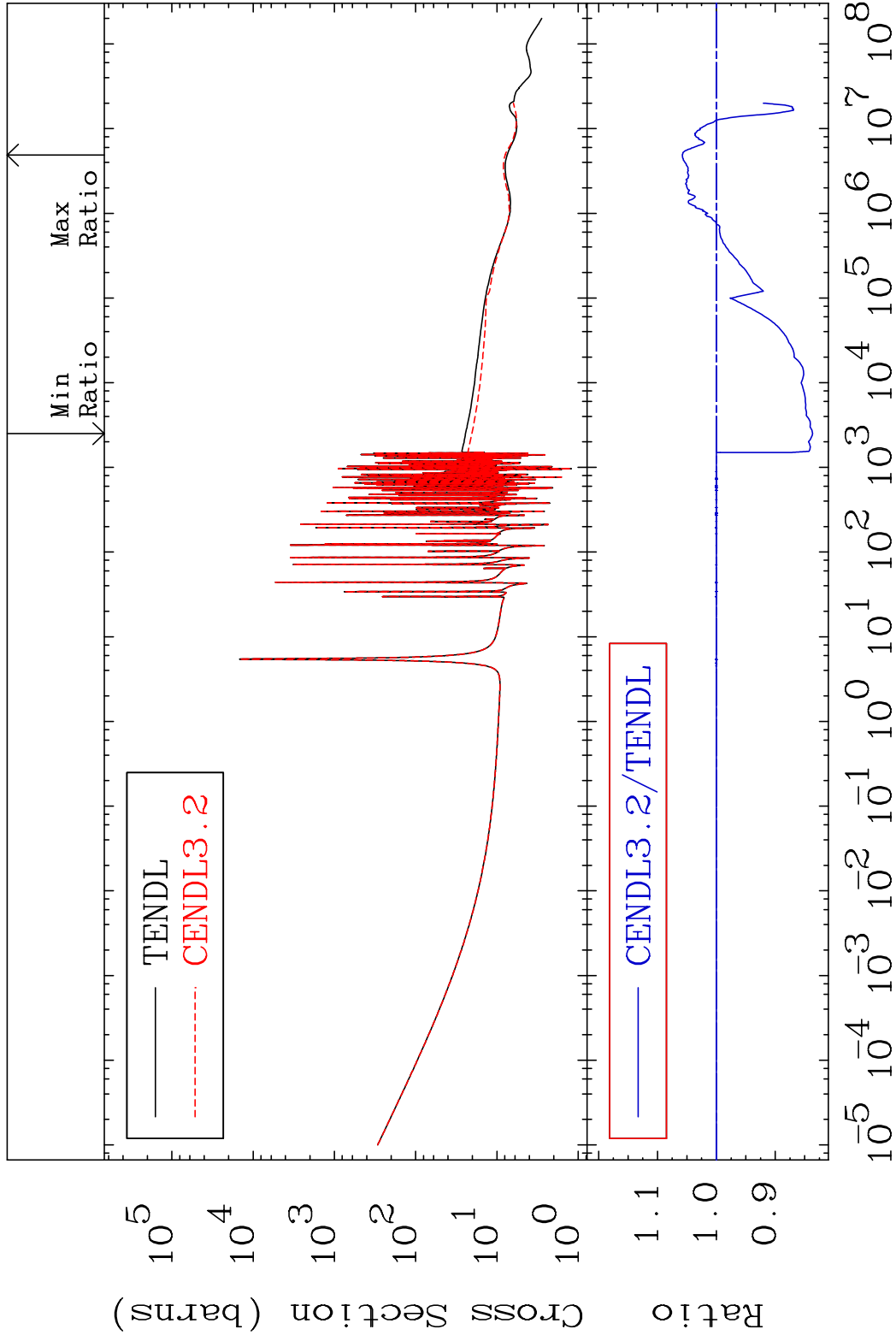
Press Mouse Button to Start

MAT 9231

Total

92-U -236

Cross Section -16.35 To 5.780 %



1

Incident Energy (eV)

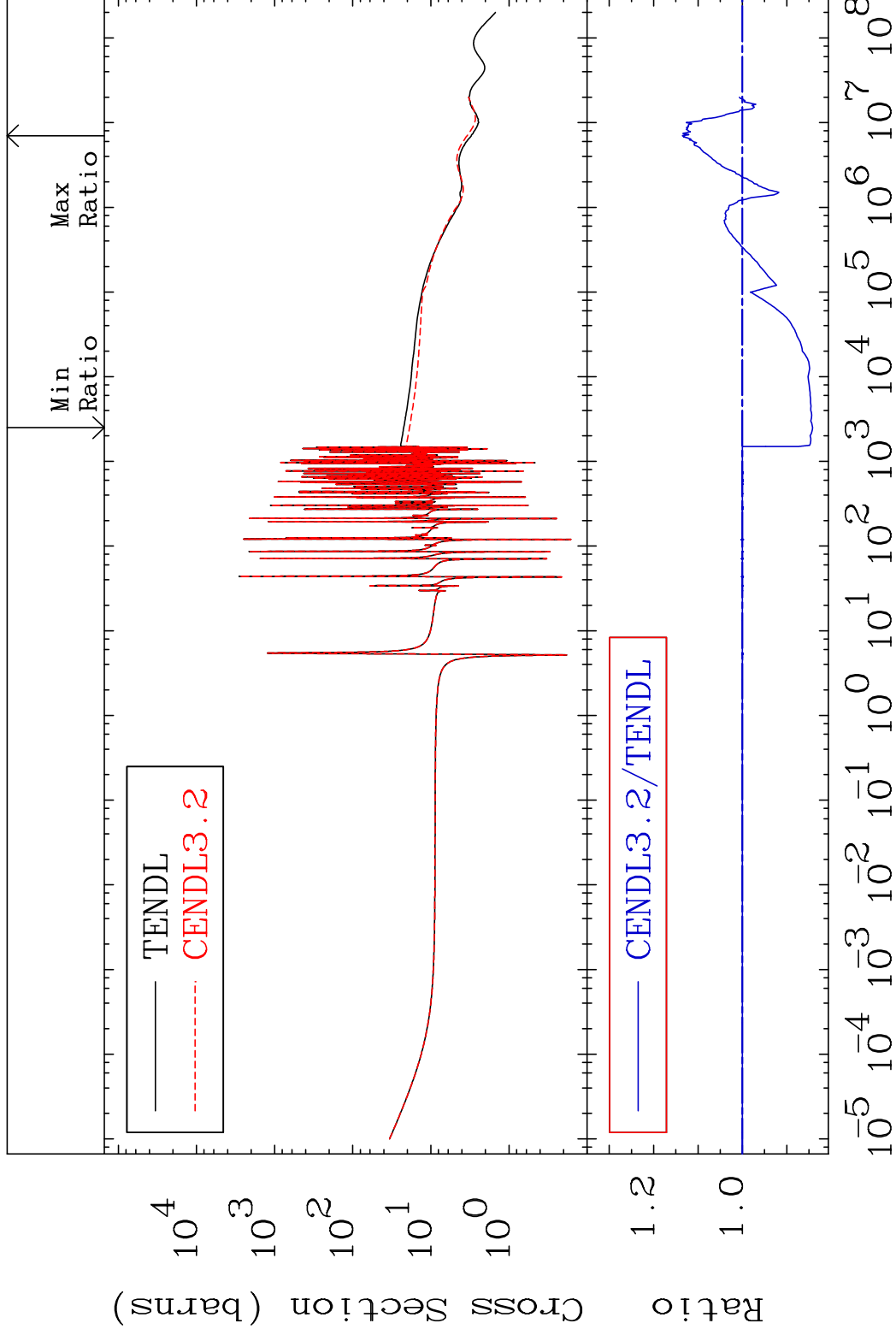
92-U -236

MAT 9231

Elastic

92-U -236

Cross Section -15.81 To 13.53 %



2

Incident Energy (eV)

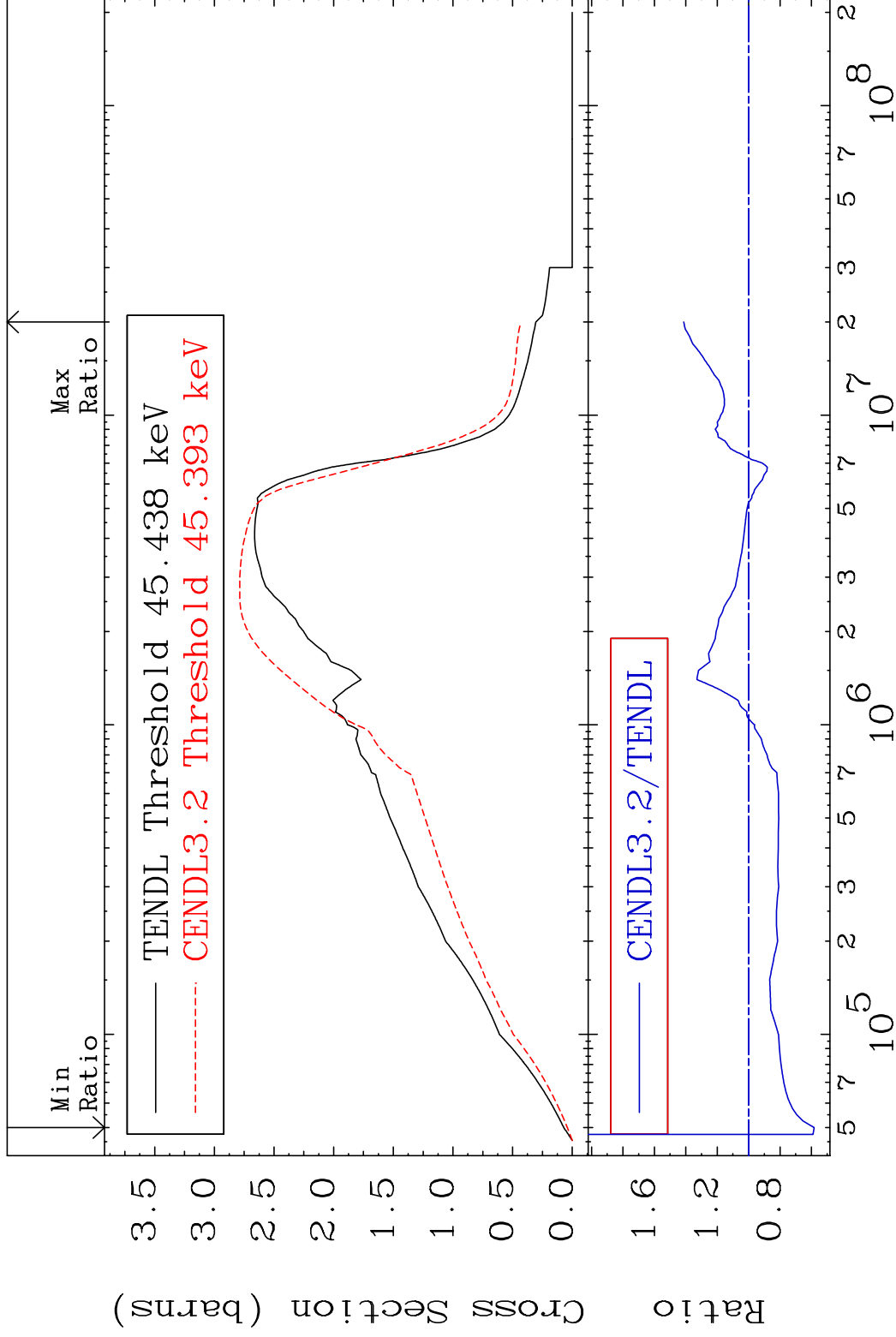
92-U -236

MAT 9231

Inelastic

92-U -236

Cross Section -41.69 To 41.34 %



3

Incident Energy (eV)

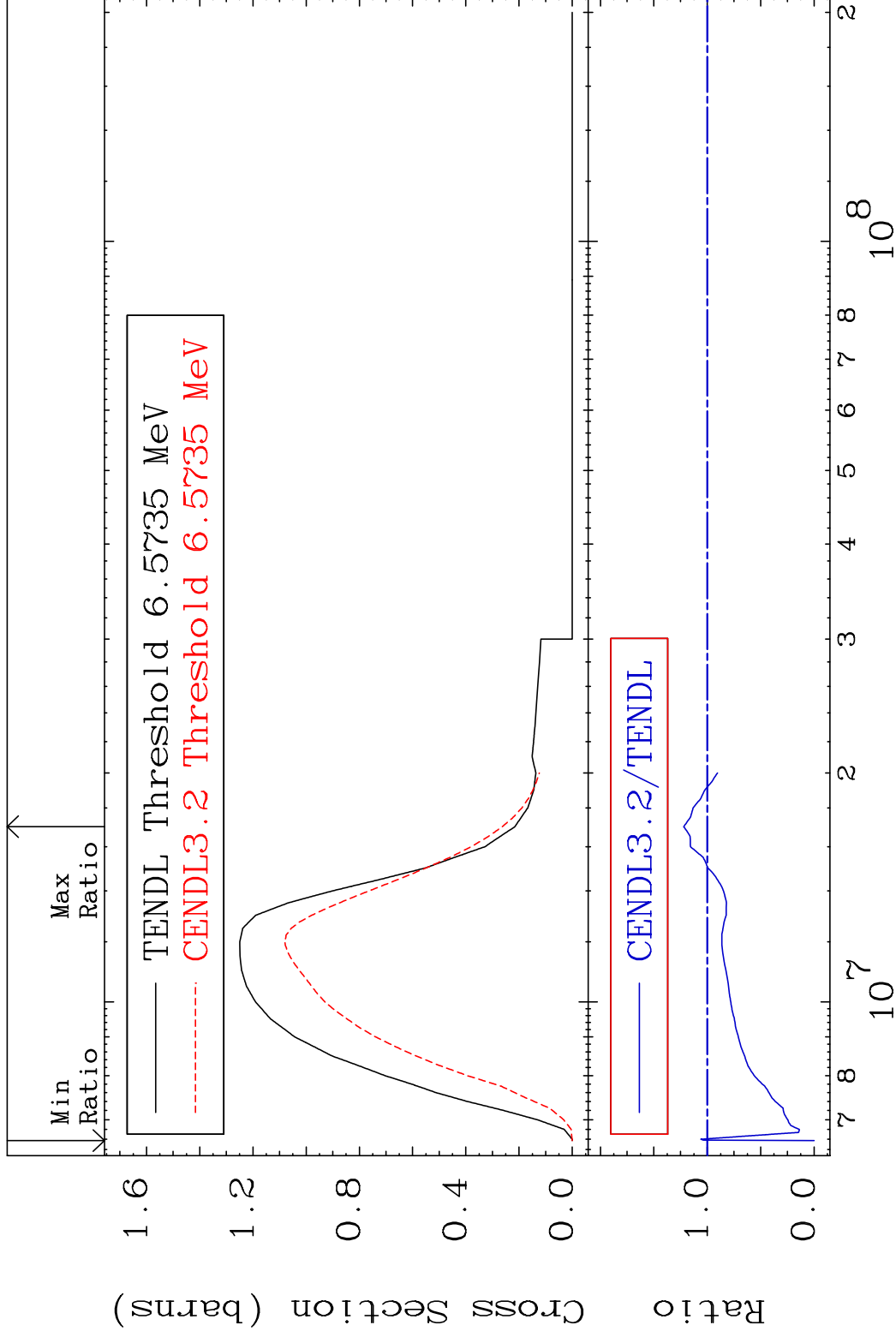
92-U -236

MAT 9231

(n,2n)

92-U -236

Cross Section -100.0 To 22.09 %



4

Incident Energy (eV)

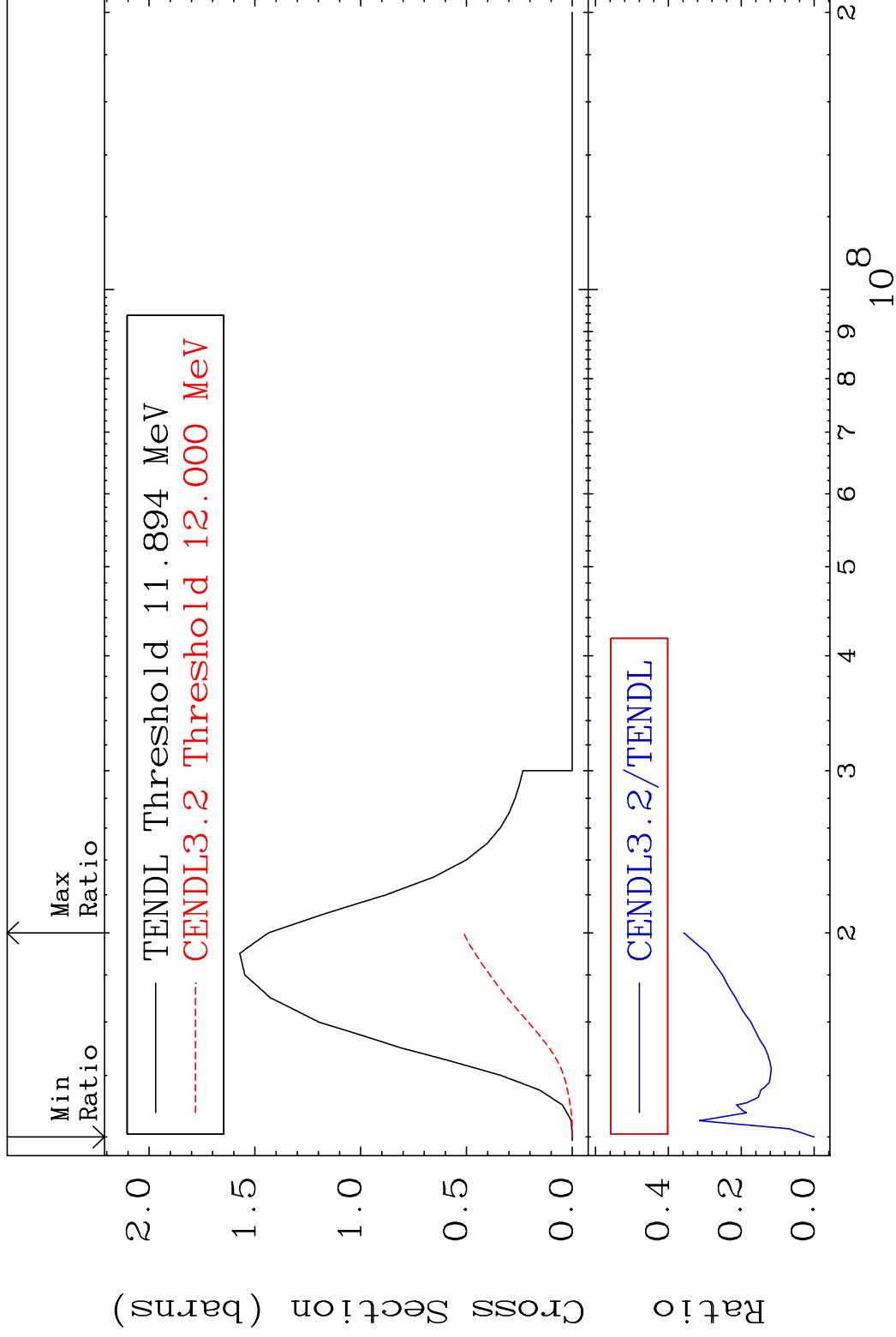
92-U -236

MAT 9231

(n,3n)

92-U -236

Cross Section -100.0 To -64.19%



5

Incident Energy (eV)

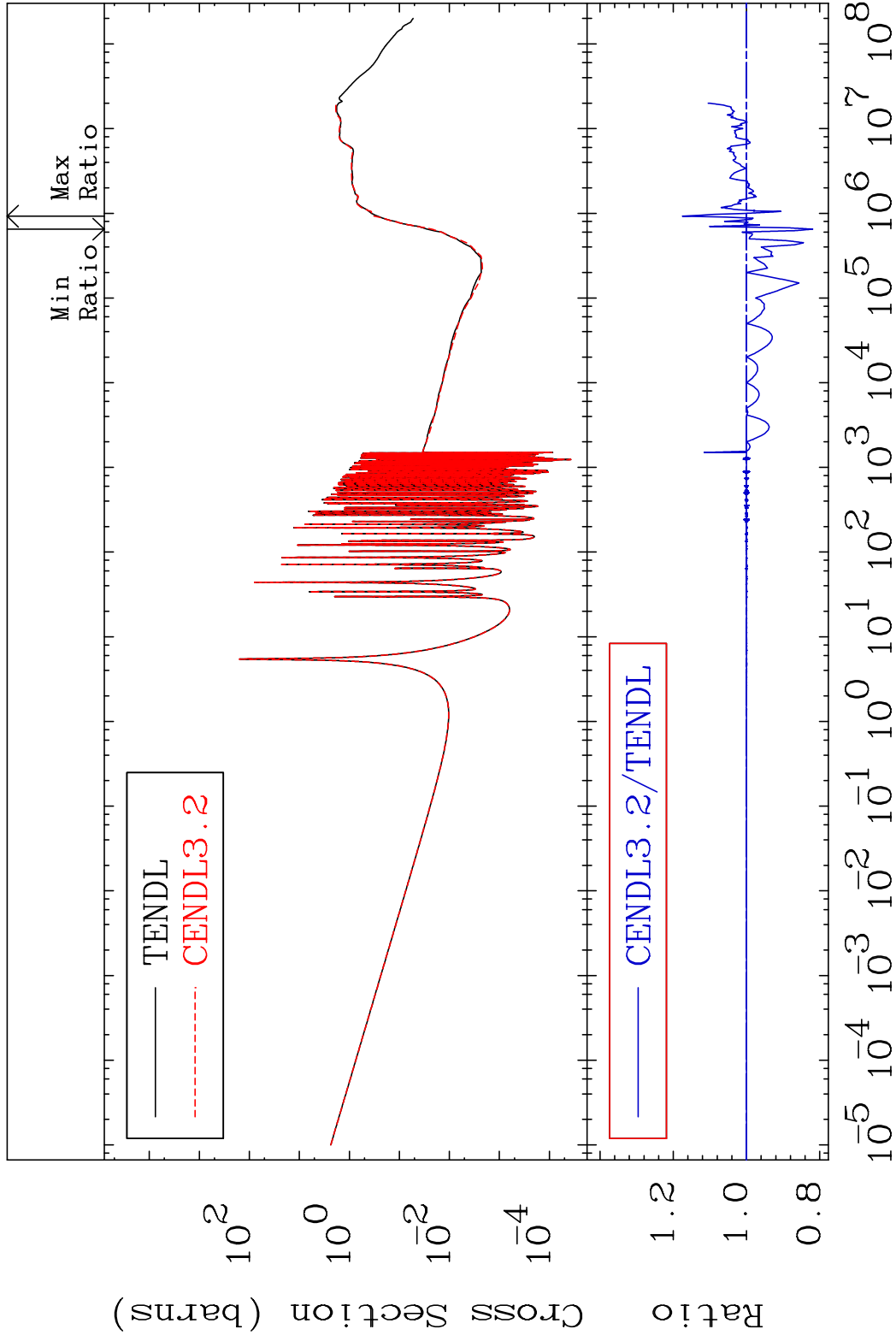
92-U -236

MAT 9231

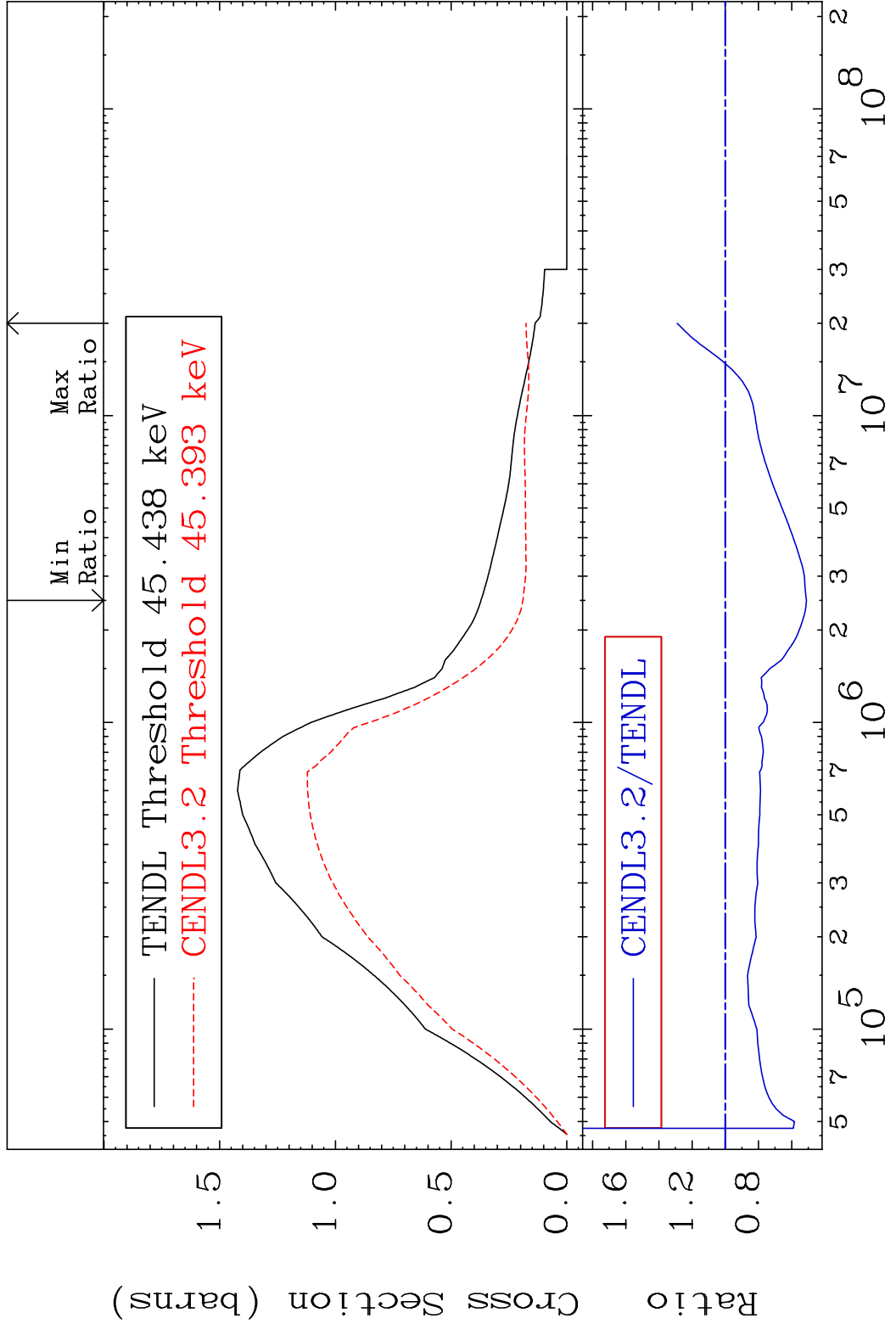
Fission

92-U -236

Cross Section -18.04 To 17.52 %

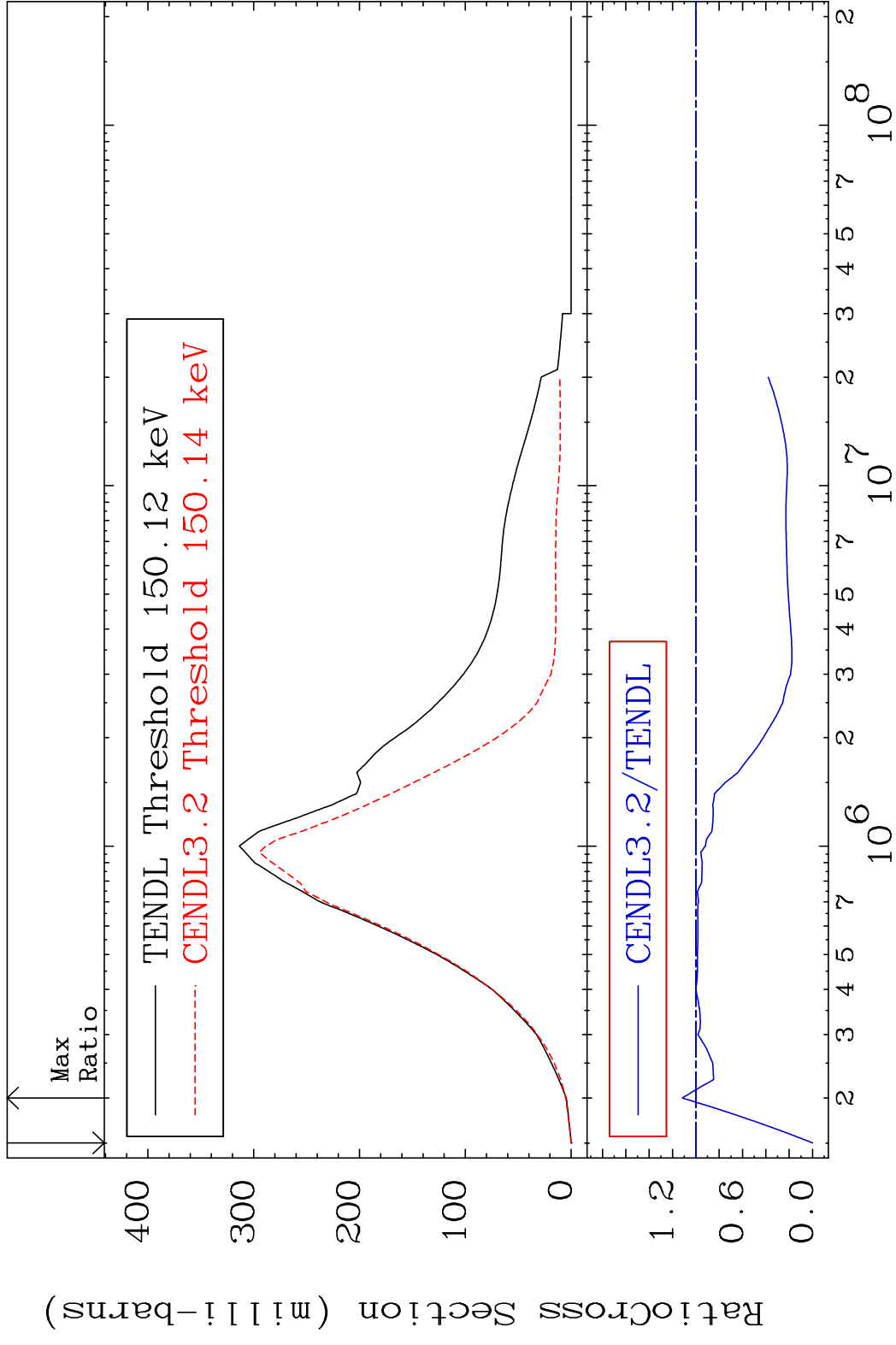


MAT 9231 MT= 51 (n, n') Level 92-U -236  
 Cross Section -48.90 To 29.00 %

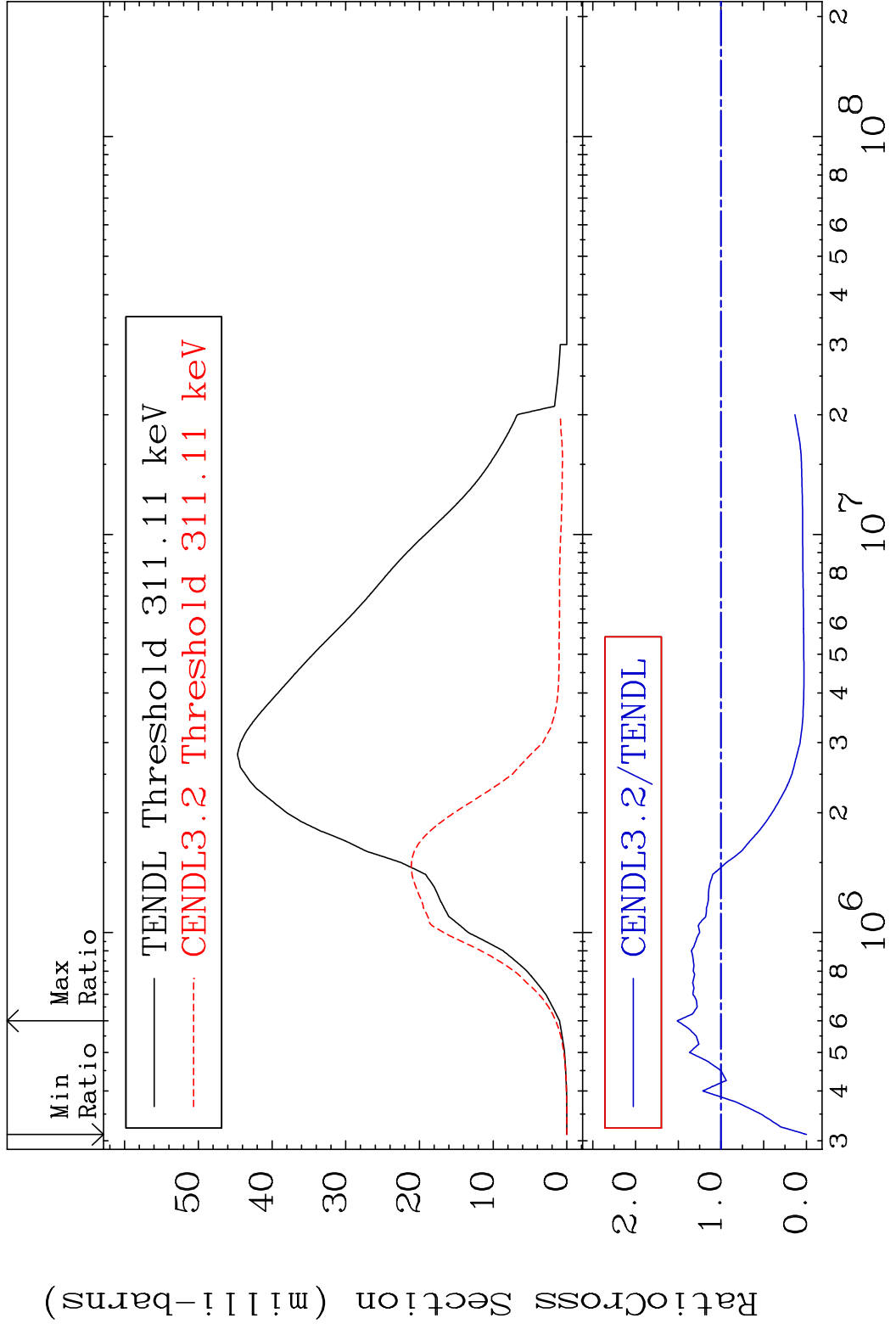


7 Incident Energy (eV) 92-U -236

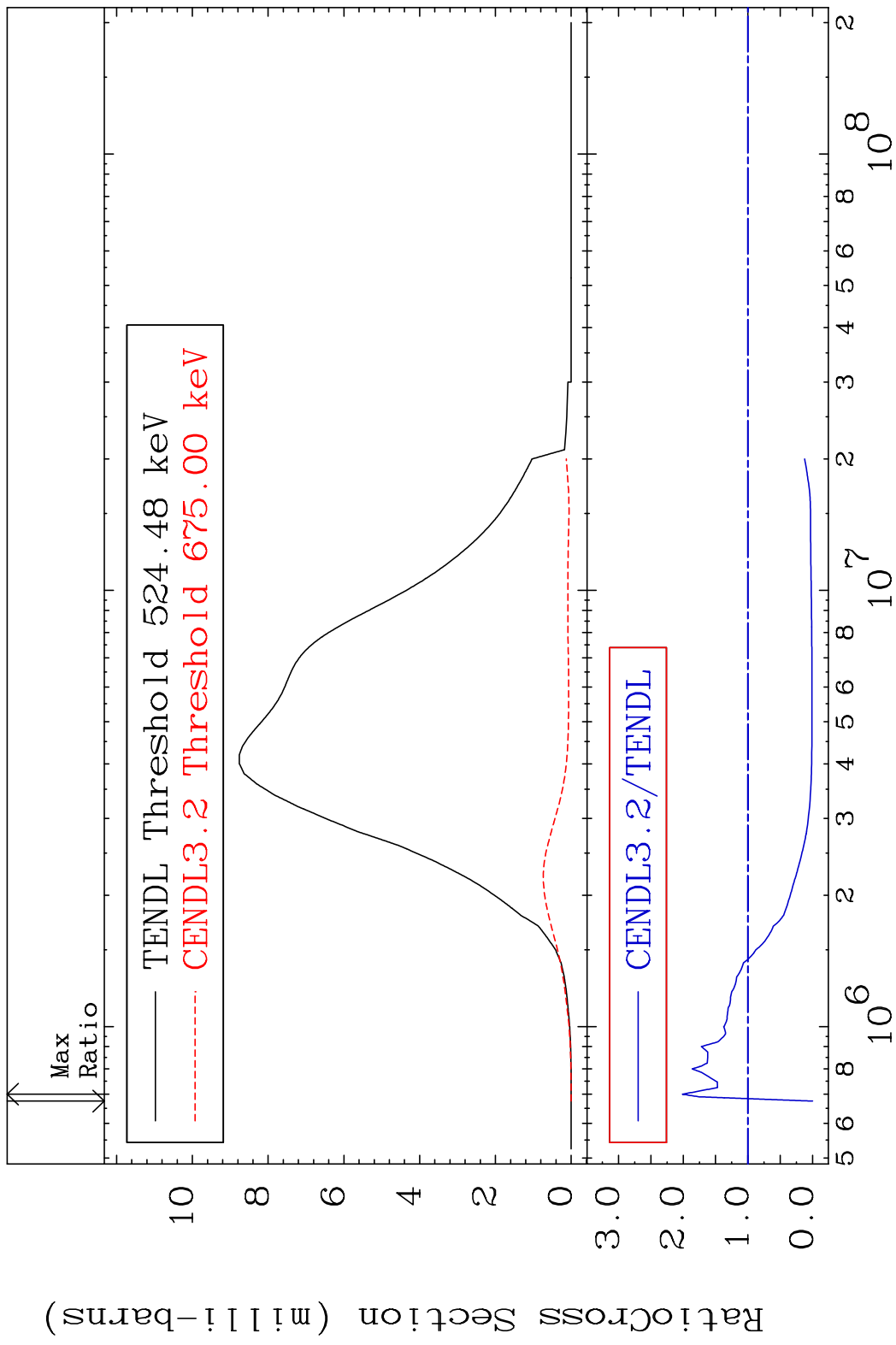
MAT 9231 MT= 52 (n,n') Level 92-U -236  
 Cross Section -100.0 To 11.57 %



MAT 9231 MT= 53 (n, n') Level 92-U -236  
 Cross Section -100.0 To 51.23 %

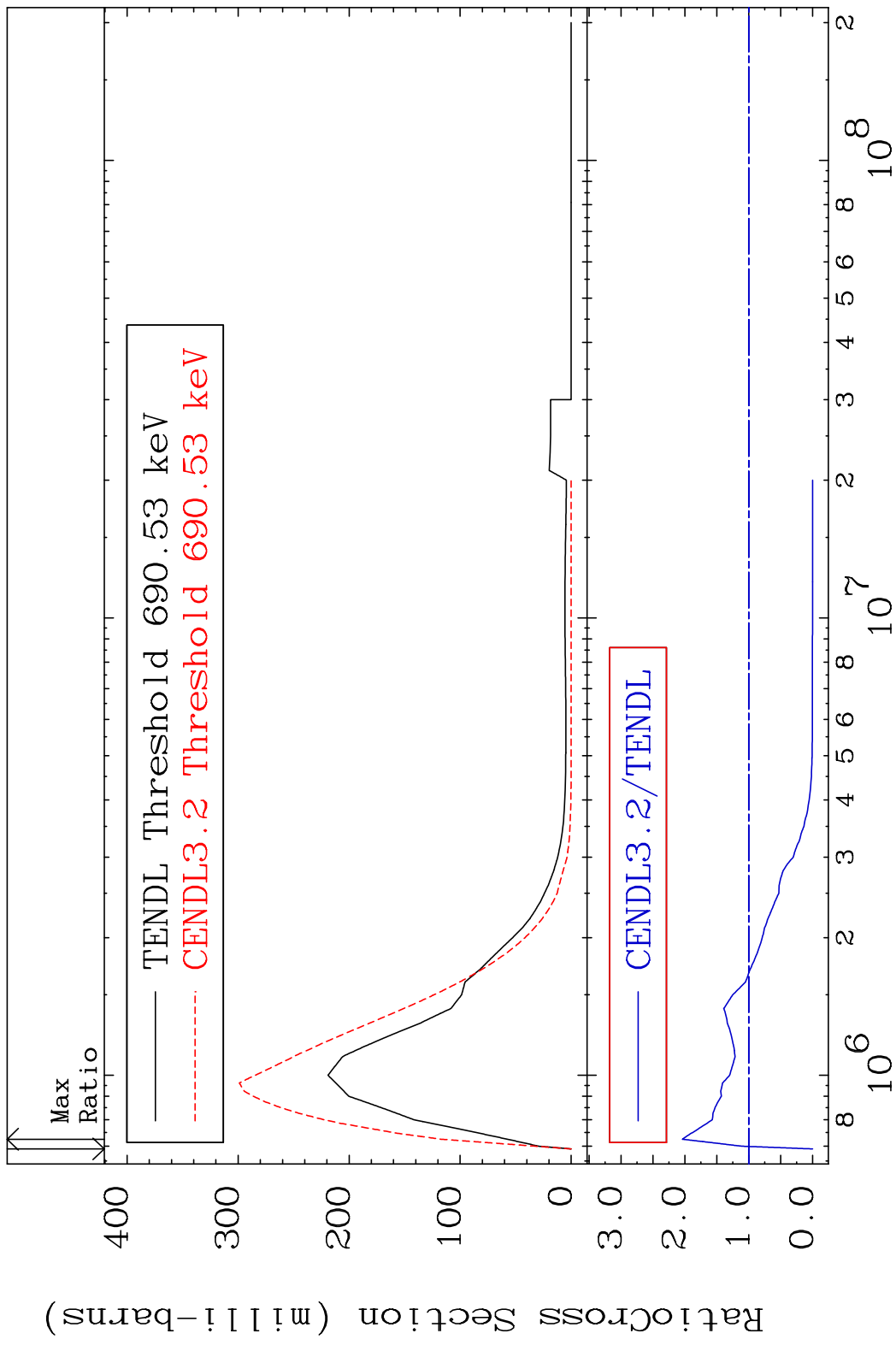


MAT 9231 MT= 54 (n, n') Level 92-U -236  
 Cross Section -100.0 To 101.4 %

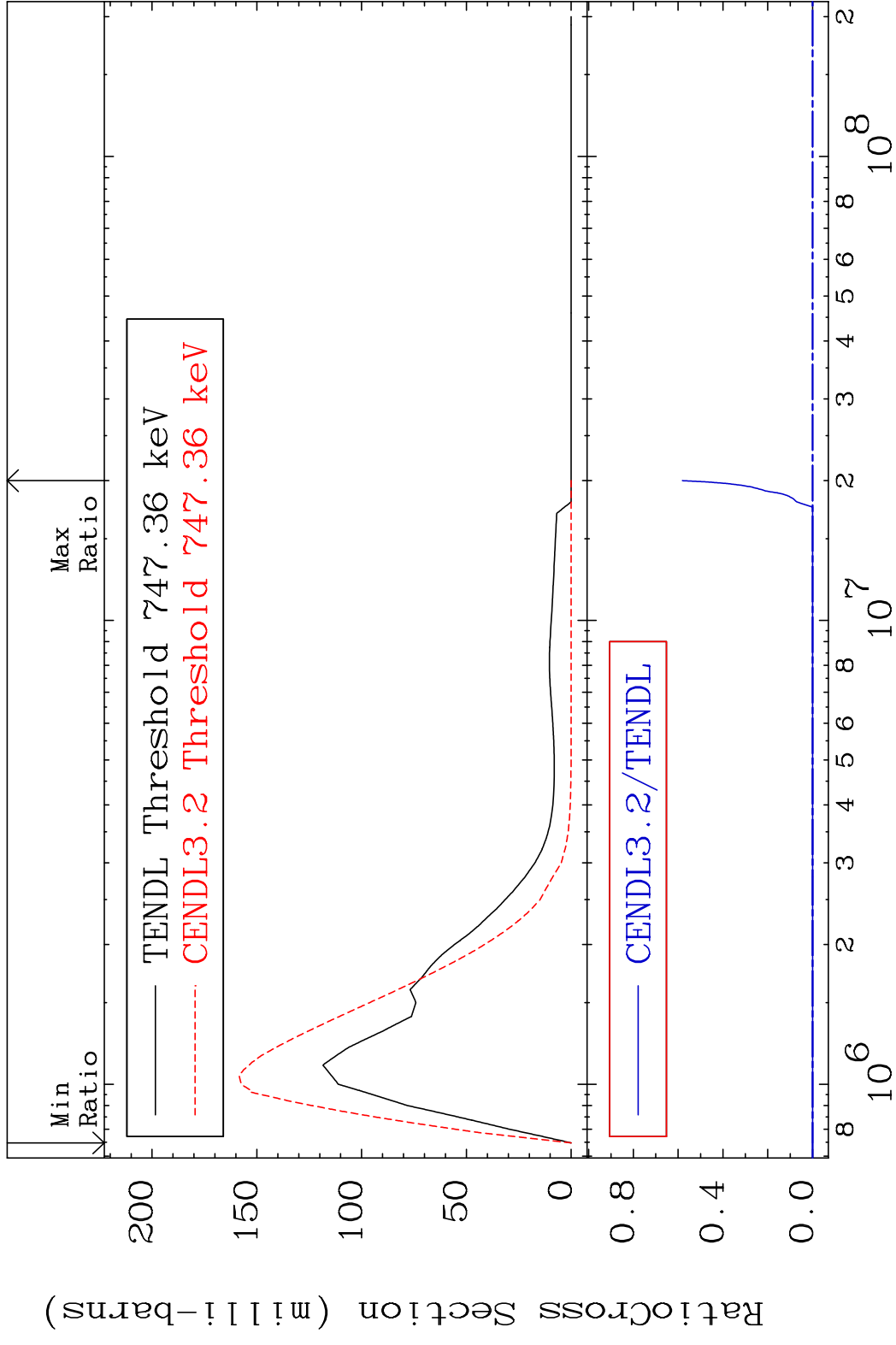


10 Incident Energy (eV) 92-U -236

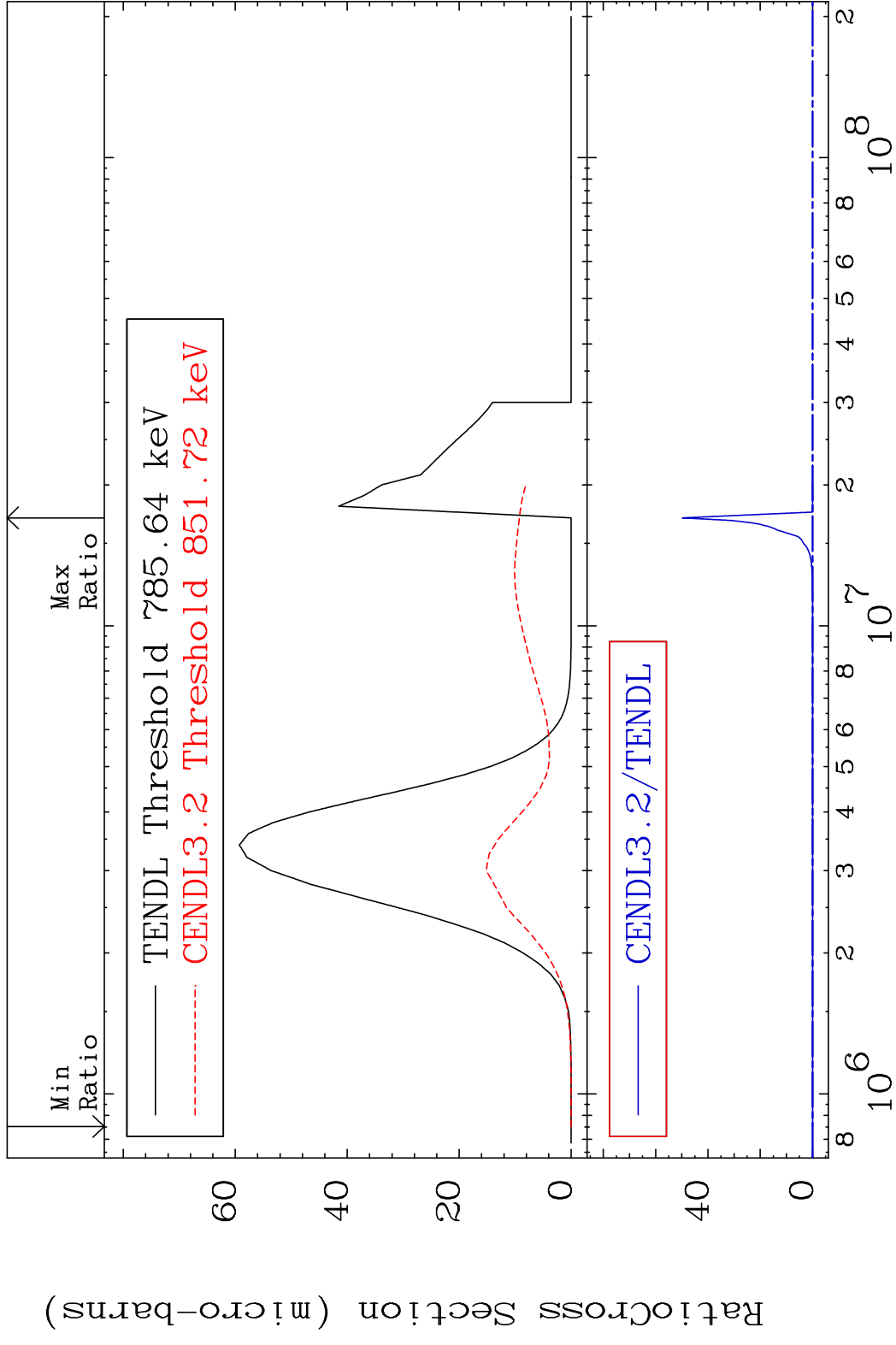
MAT 9231 MT= 55 (n,n') Level 92-U -236  
 Cross Section -100.0 To 104.1 %



MAT 9231 MT= 56 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %

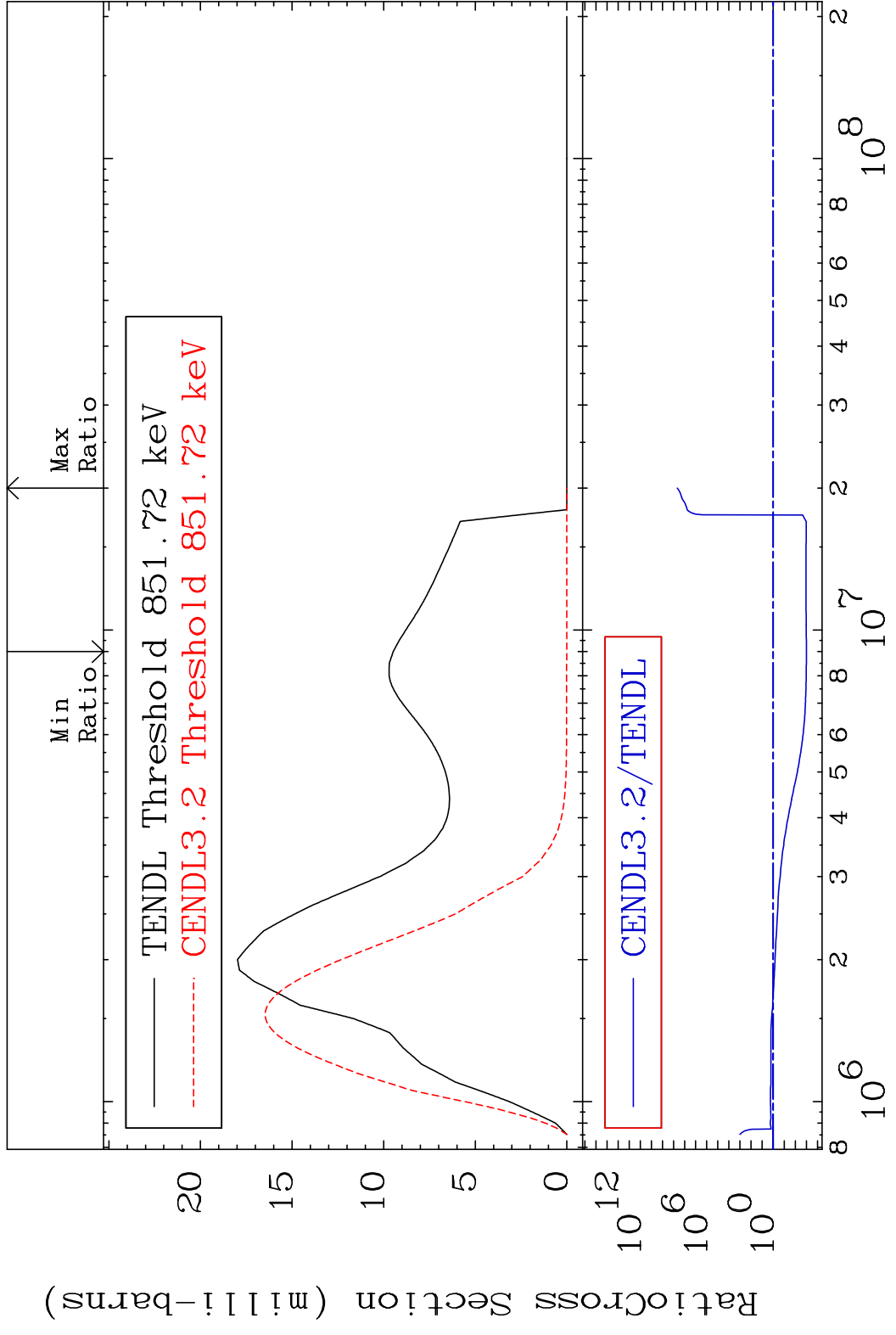


MAT 9231 MT= 57 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



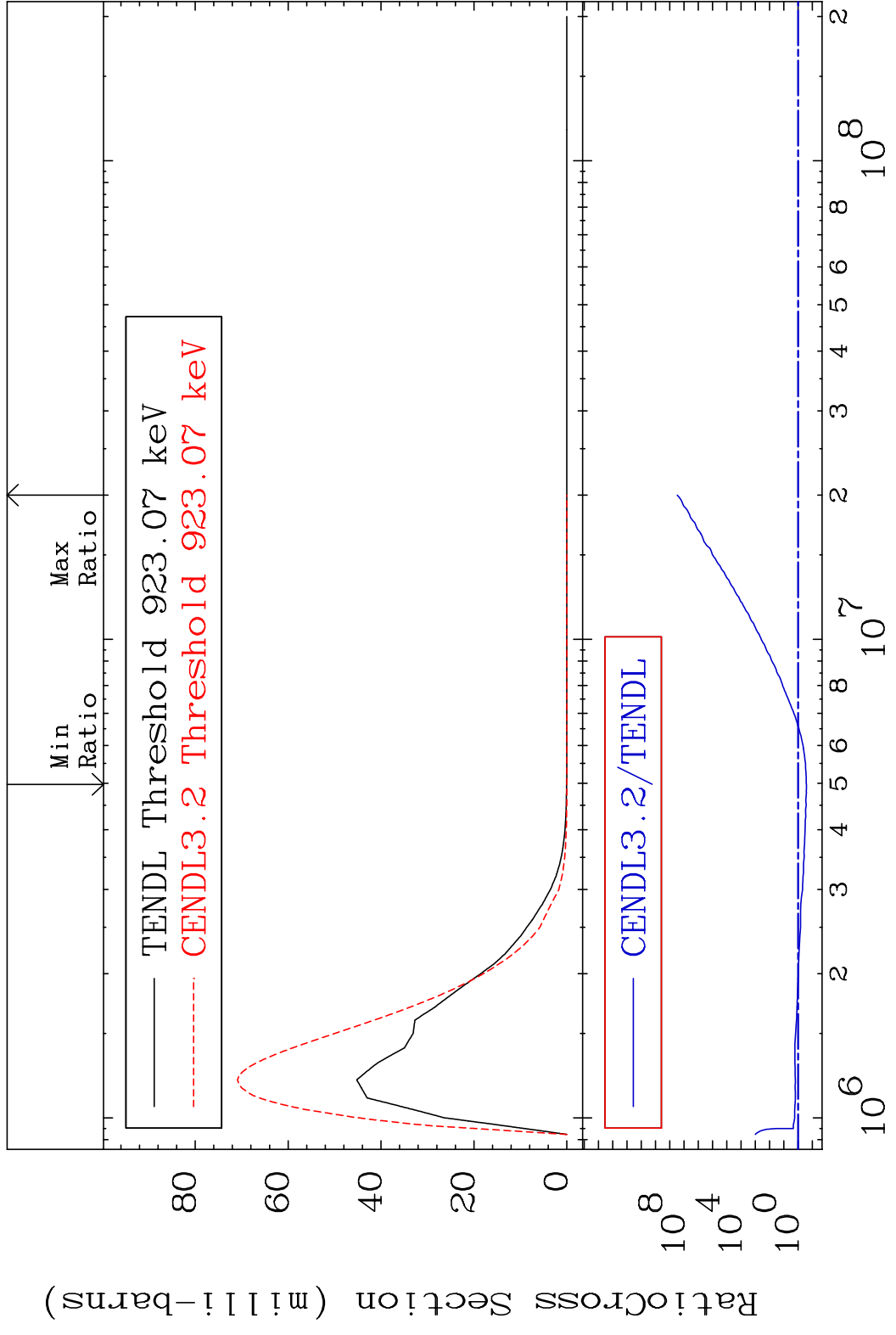
13 Incident Energy (eV) 92-U -236

MAT 9231 MT= 58 (n, n') Level 92-U -236  
 Cross Section -99.90 To 9999. %



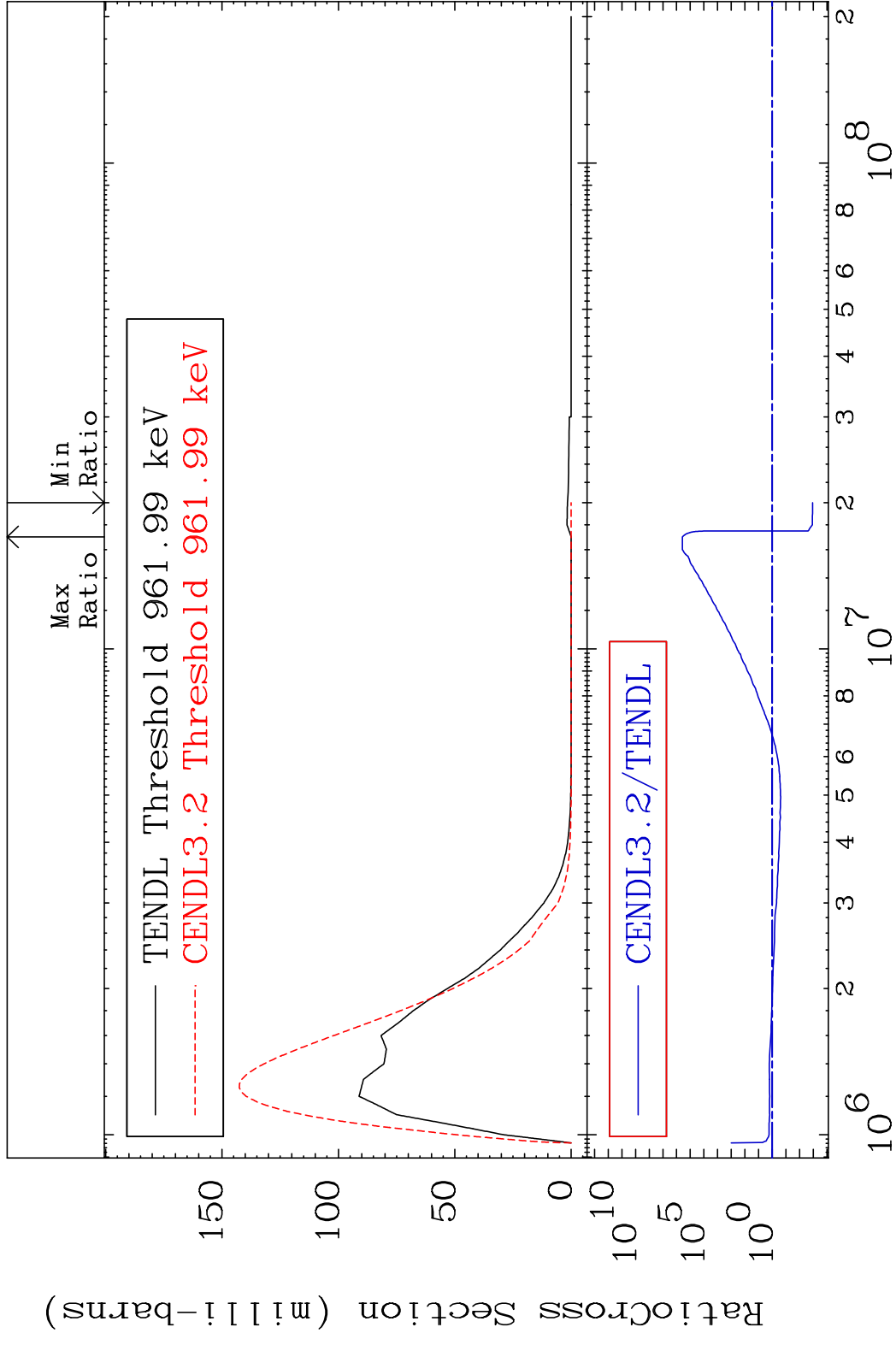
14 Incident Energy (eV) 92-U -236

MAT 9231 MT= 59 (n, n') Level 92-U -236  
 Cross Section -73.97 To 9999. %



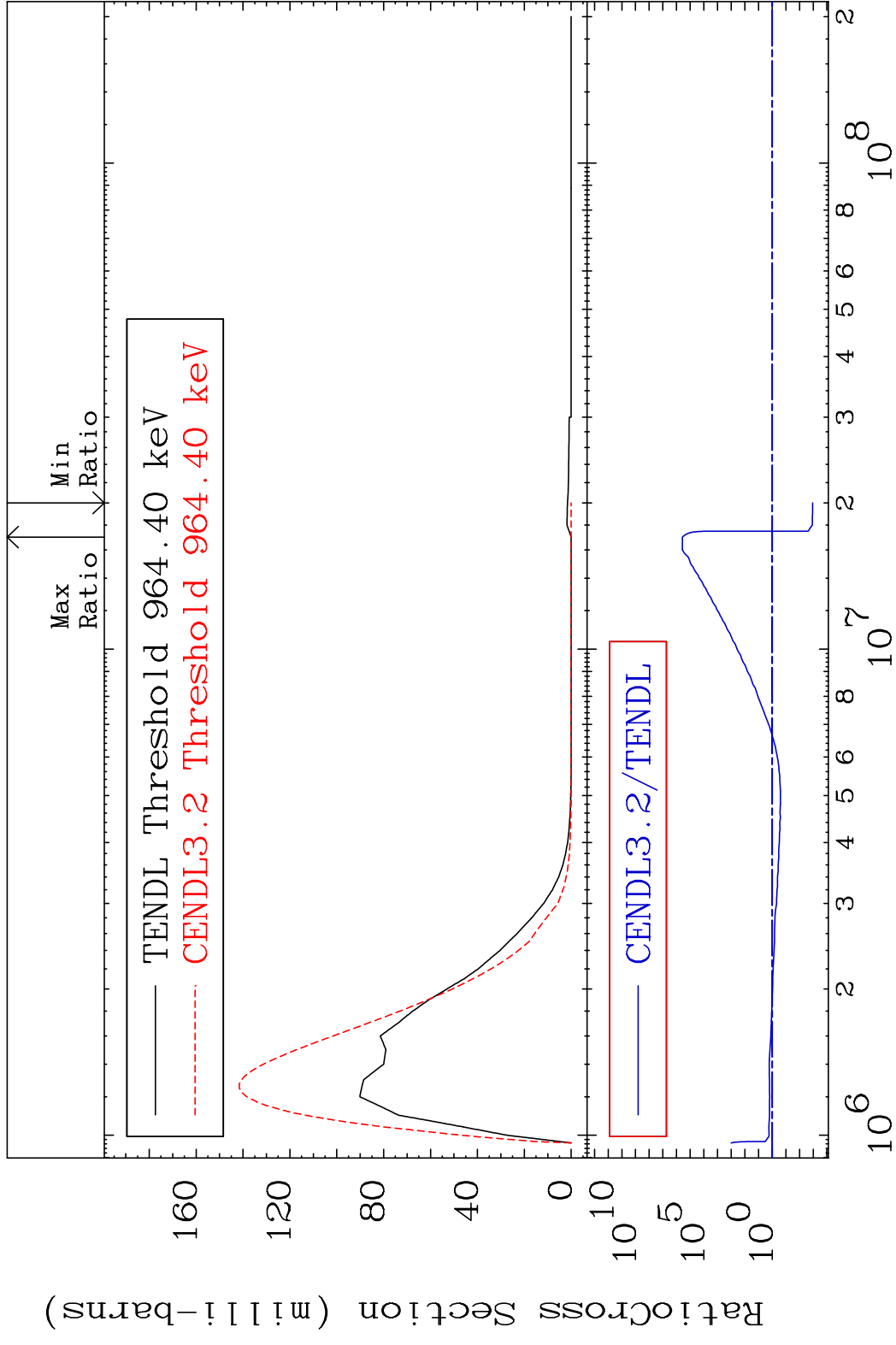
15 Incident Energy (eV) 92-U -236

MAT 9231 MT= 60 (n, n') Level 92-U -236  
 Cross Section -99.89 To 9999. %



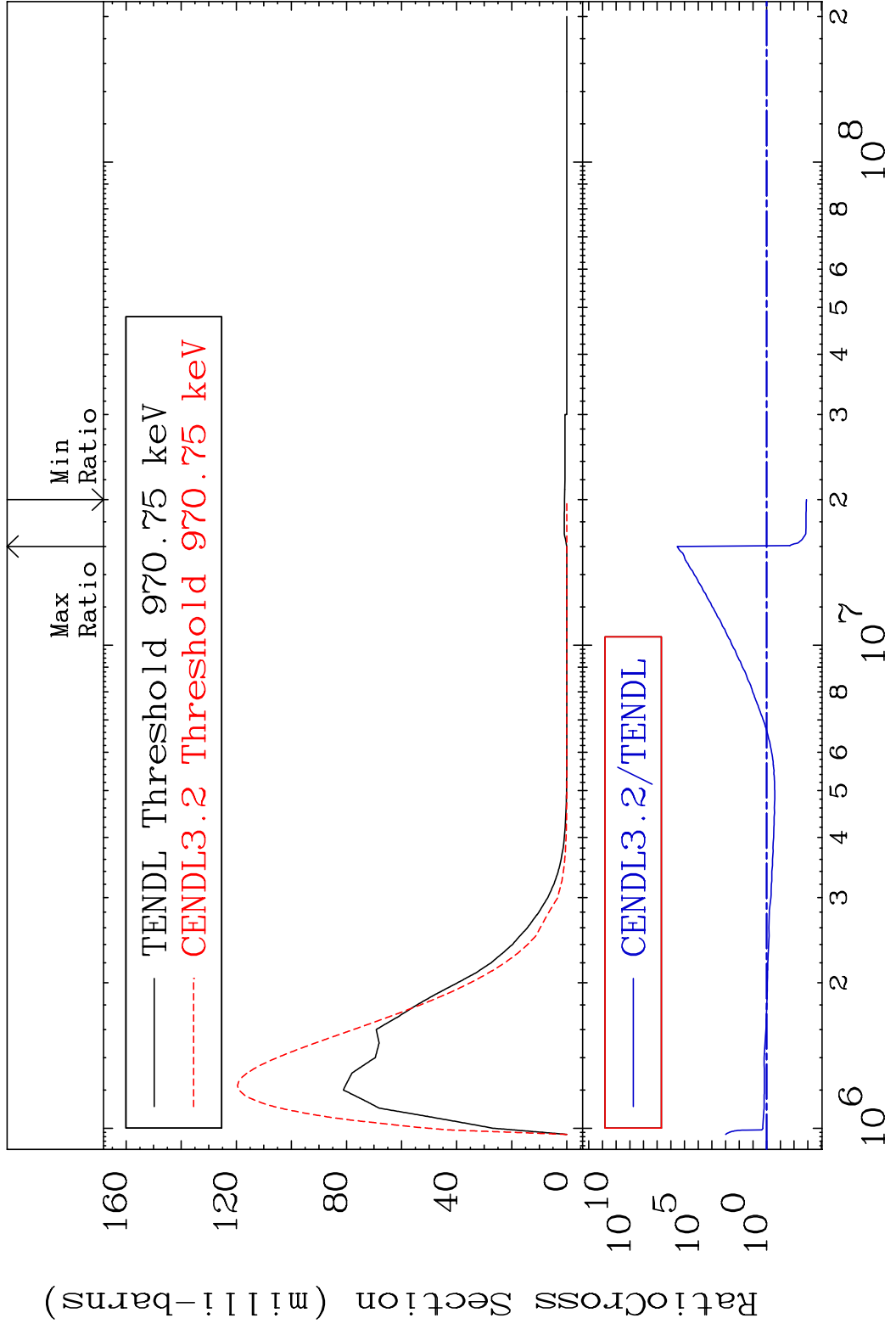
16 Incident Energy (eV) 92-U -236

MAT 9231 MT= 61 (n, n') Level 92-U -236  
 Cross Section -99.89 To 9999. %



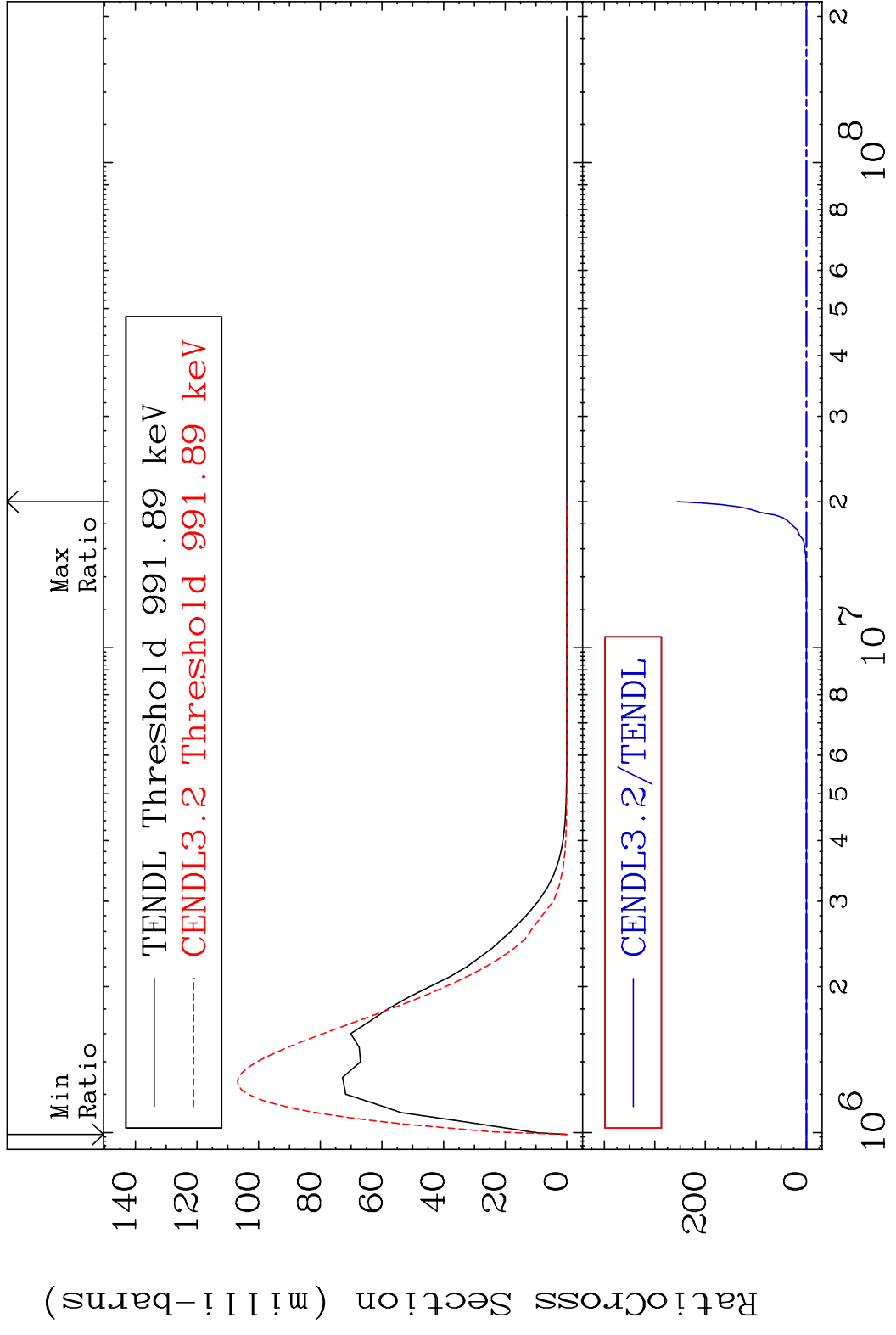
17 Incident Energy (eV) 92-U -236

MAT 9231 MT= 62 (n, n') Level 92-U -236  
 Cross Section -99.88 To 9999. %



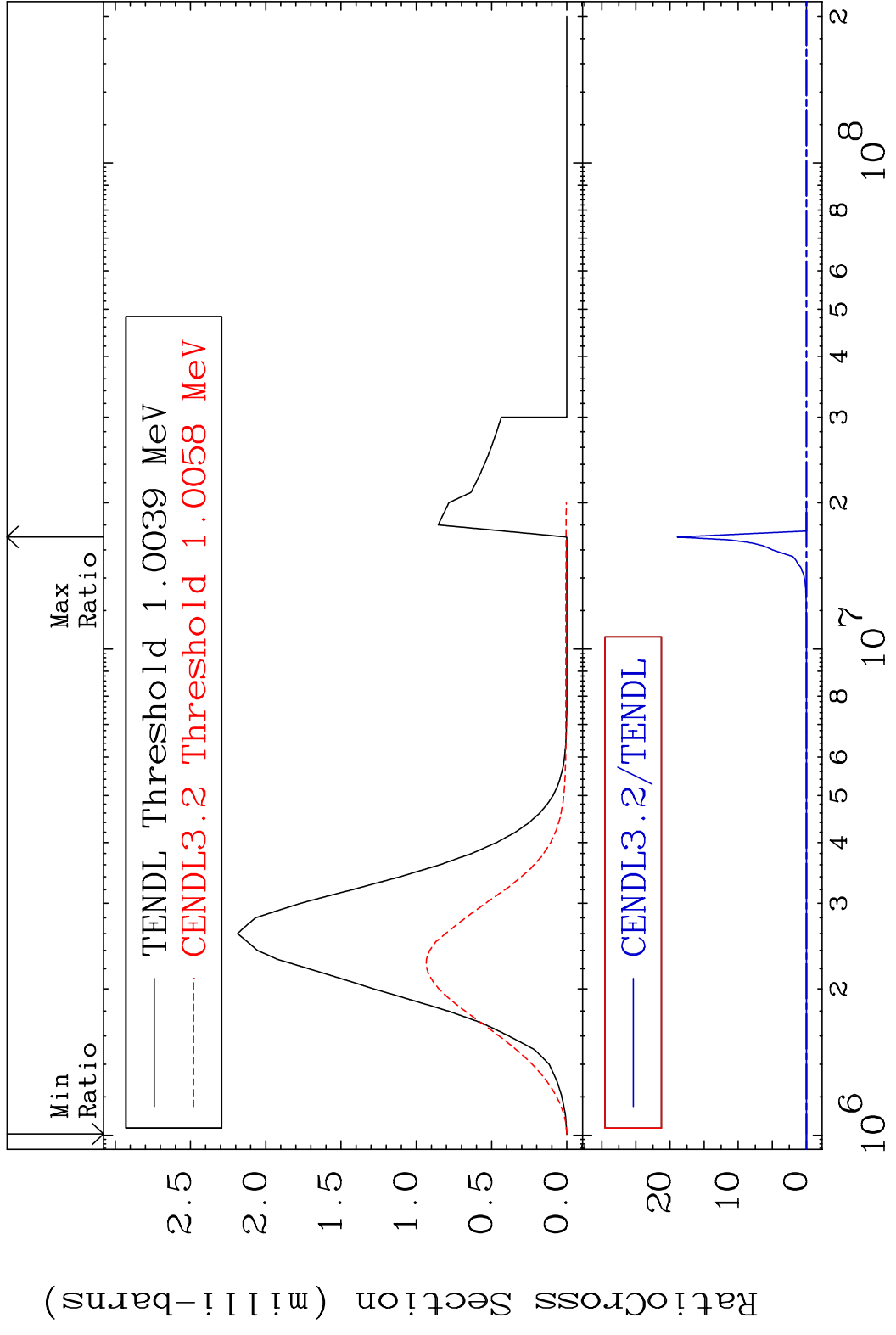
18 Incident Energy (eV) 92-U -236

MAT 9231 MT= 63 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



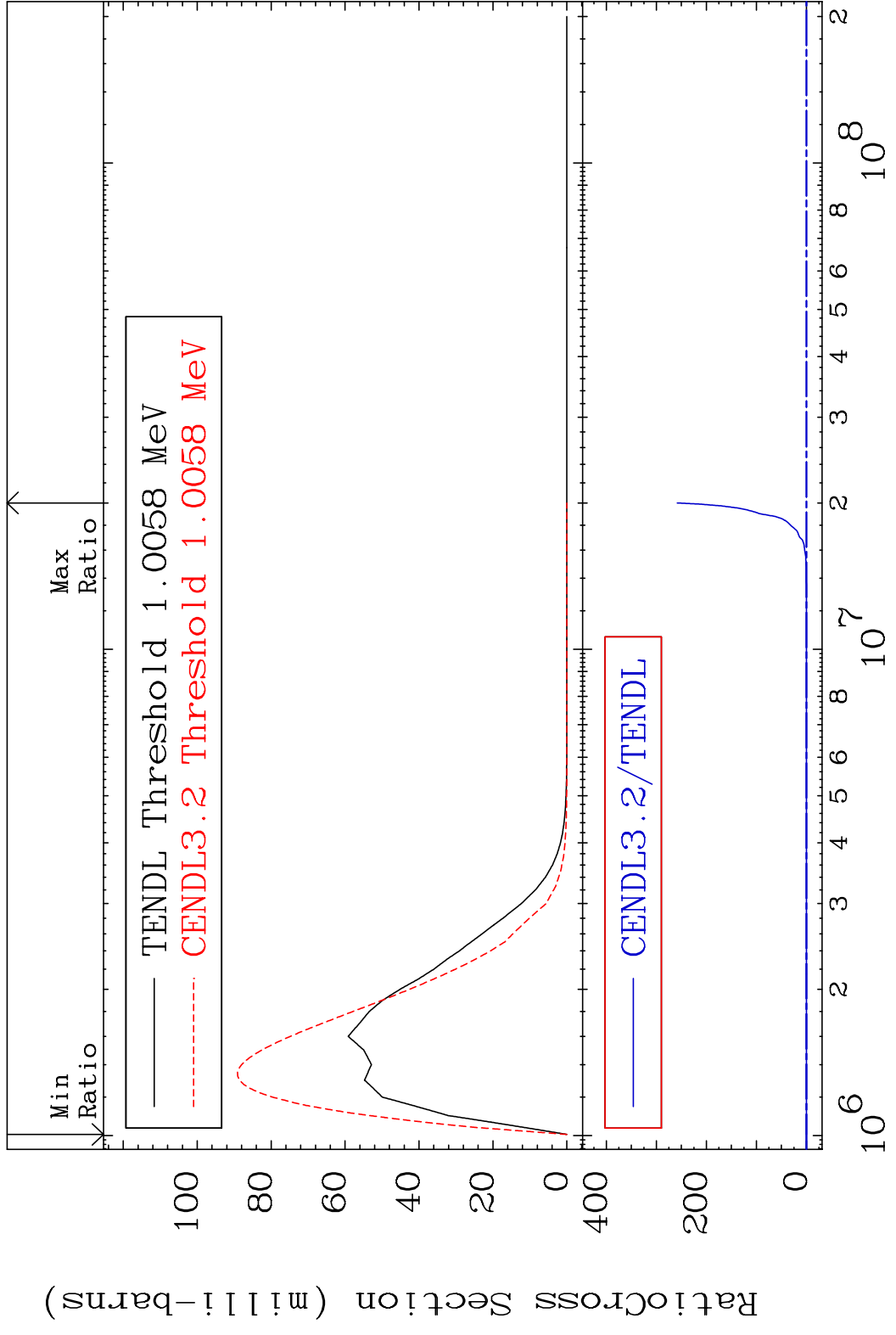
19 Incident Energy (eV) 92-U -236

MAT 9231 MT= 64 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



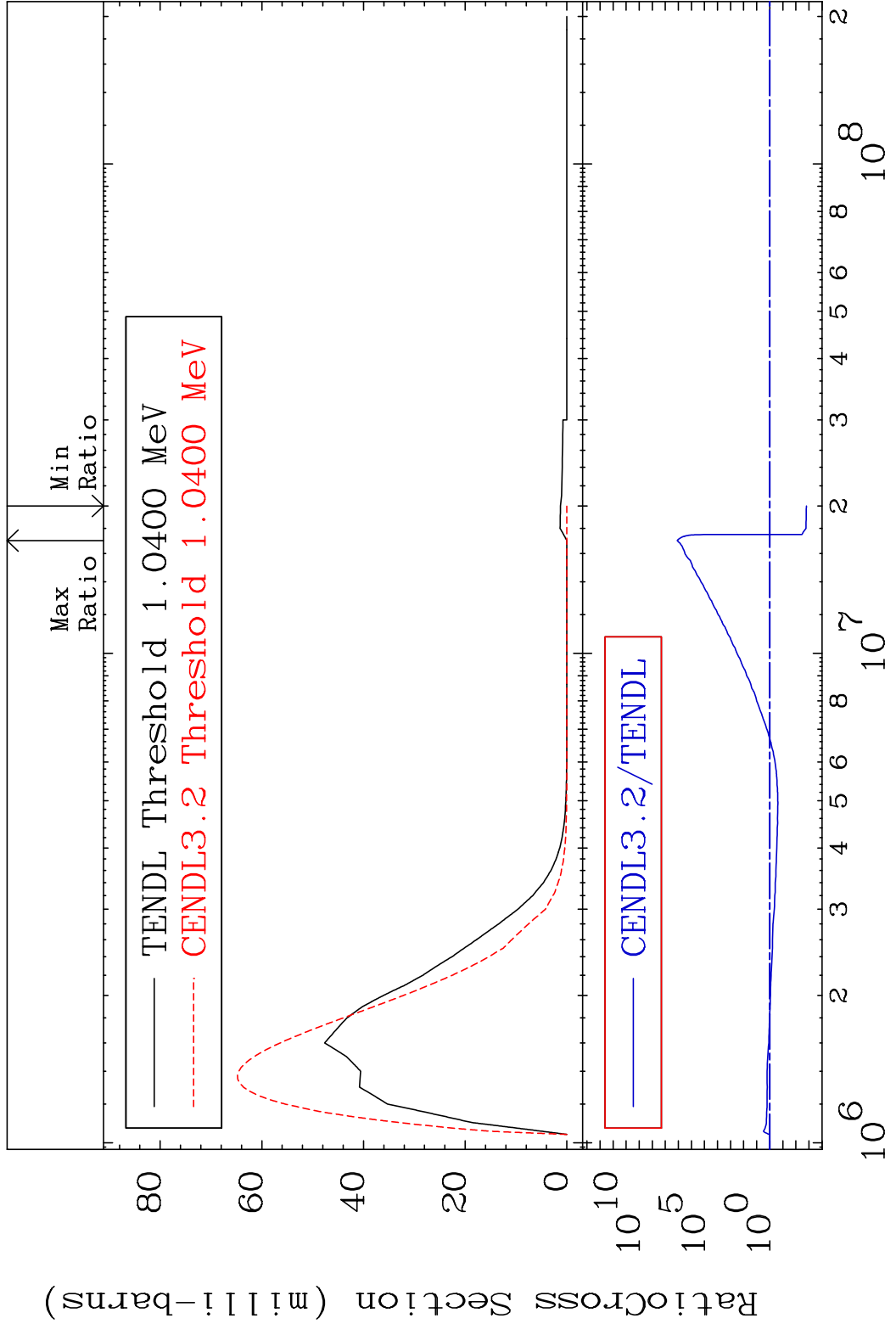
20 10 0 2 3 4 5 6 8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 92-U -236

MAT 9231 MT= 65 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %

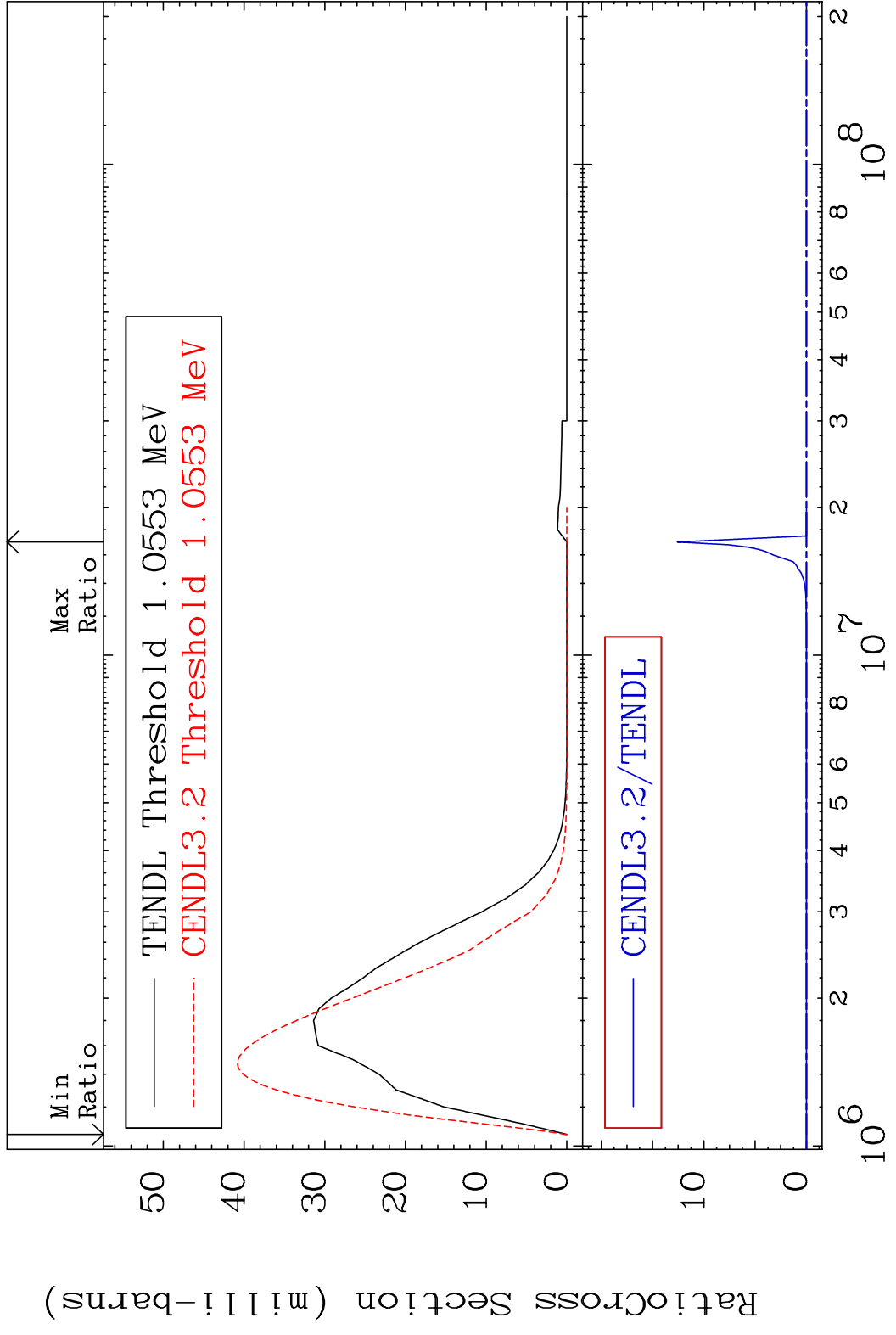


21 Incident Energy (eV) 92-U -236

MAT 9231 MT= 66 (n, n') Level 92-U -236  
 Cross Section -99.84 To 9999. %

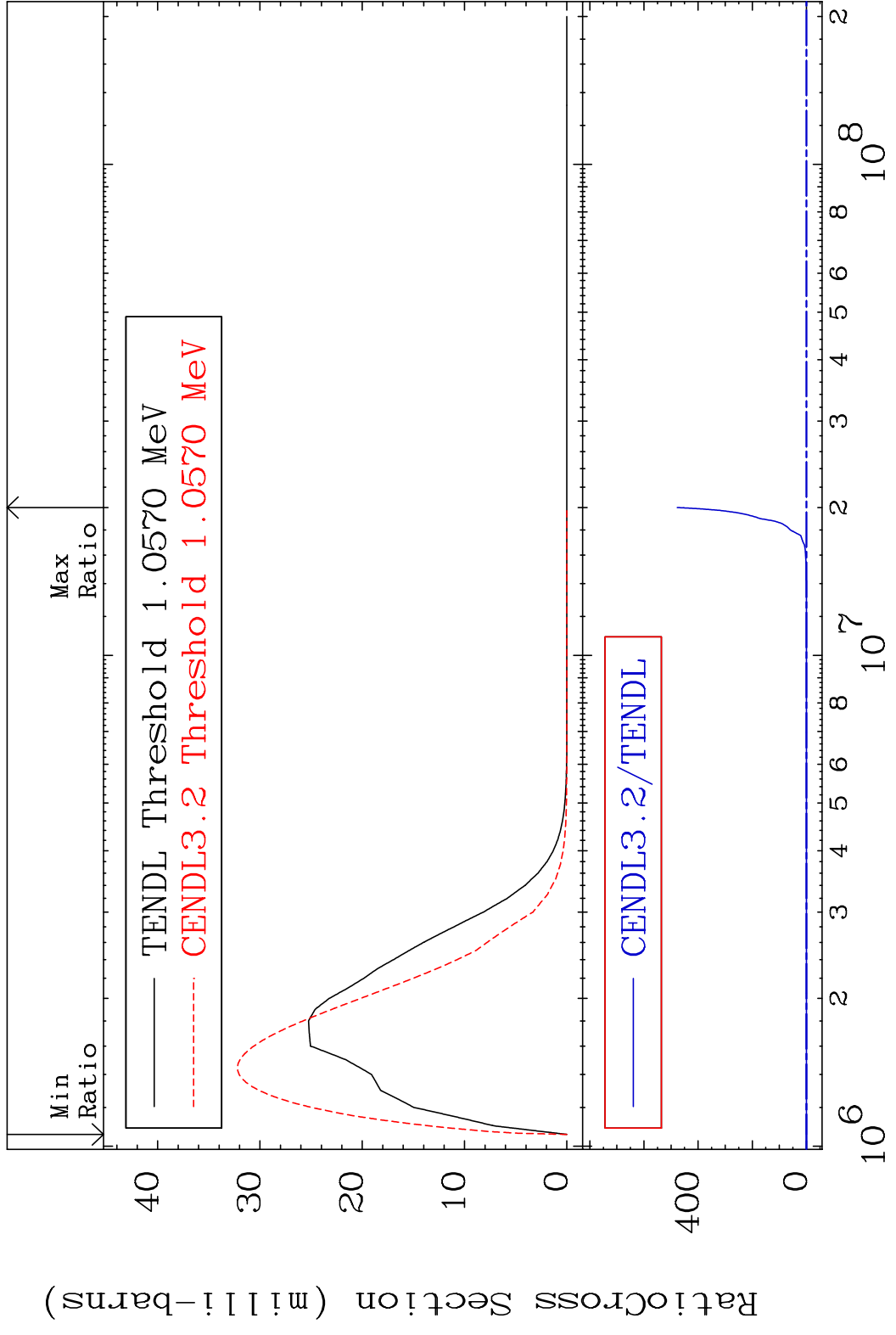


MAT 9231 MT= 67 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



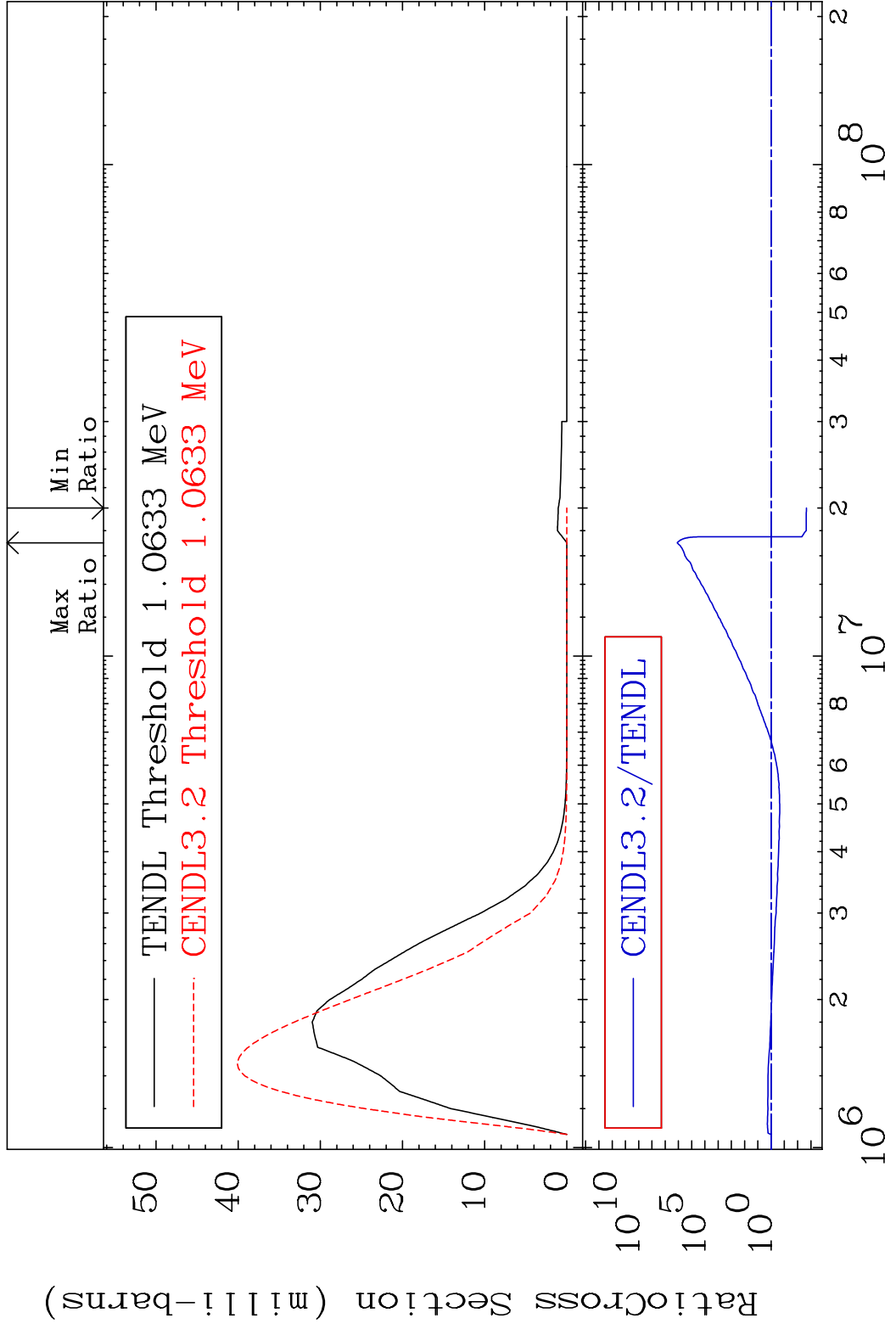
23 Incident Energy (eV) 92-U -236

MAT 9231 MT= 68 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



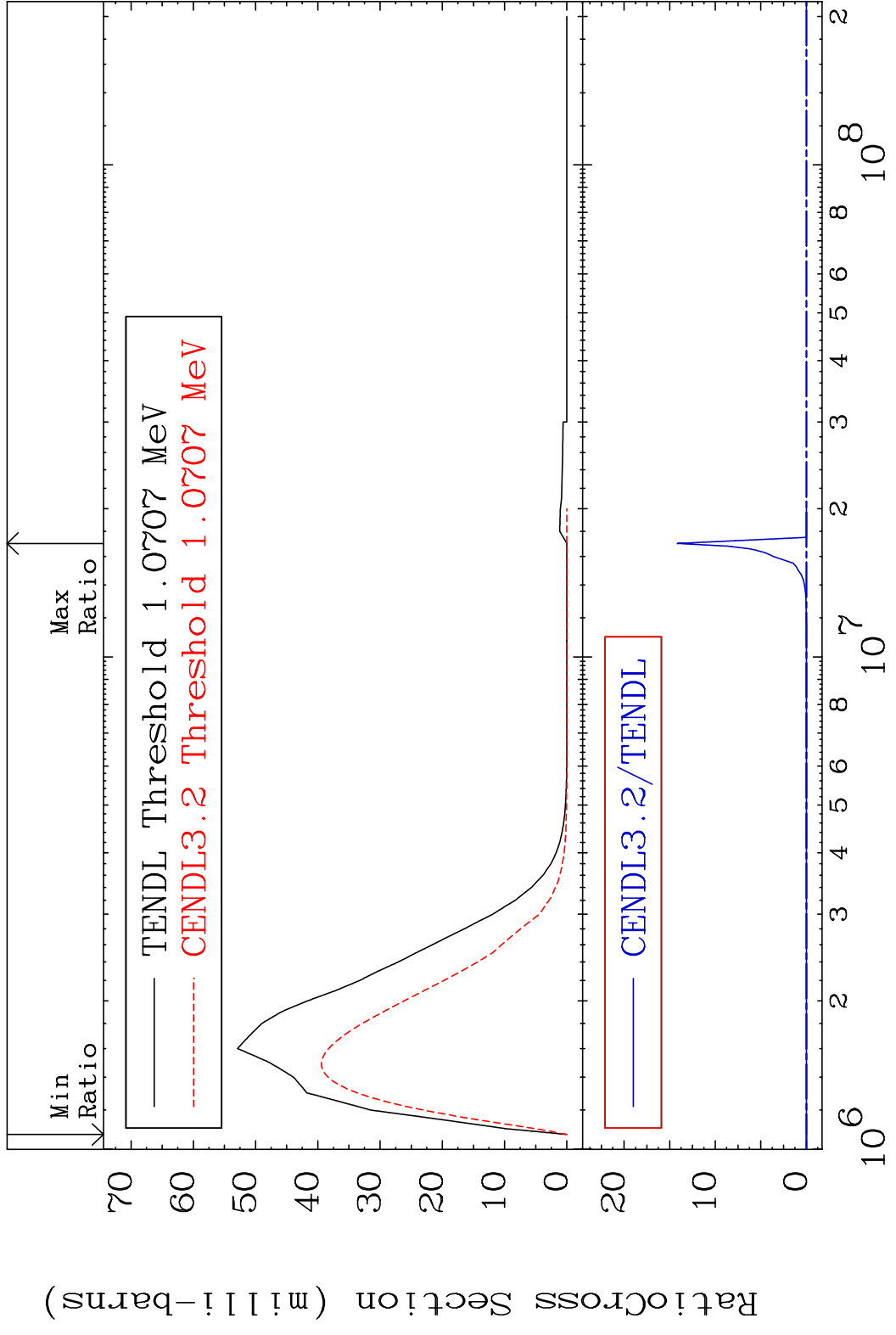
24 Incident Energy (eV) 92-U -236

MAT 9231 MT= 69 (n, n') Level 92-U -236  
 Cross Section -99.78 To 9999. %

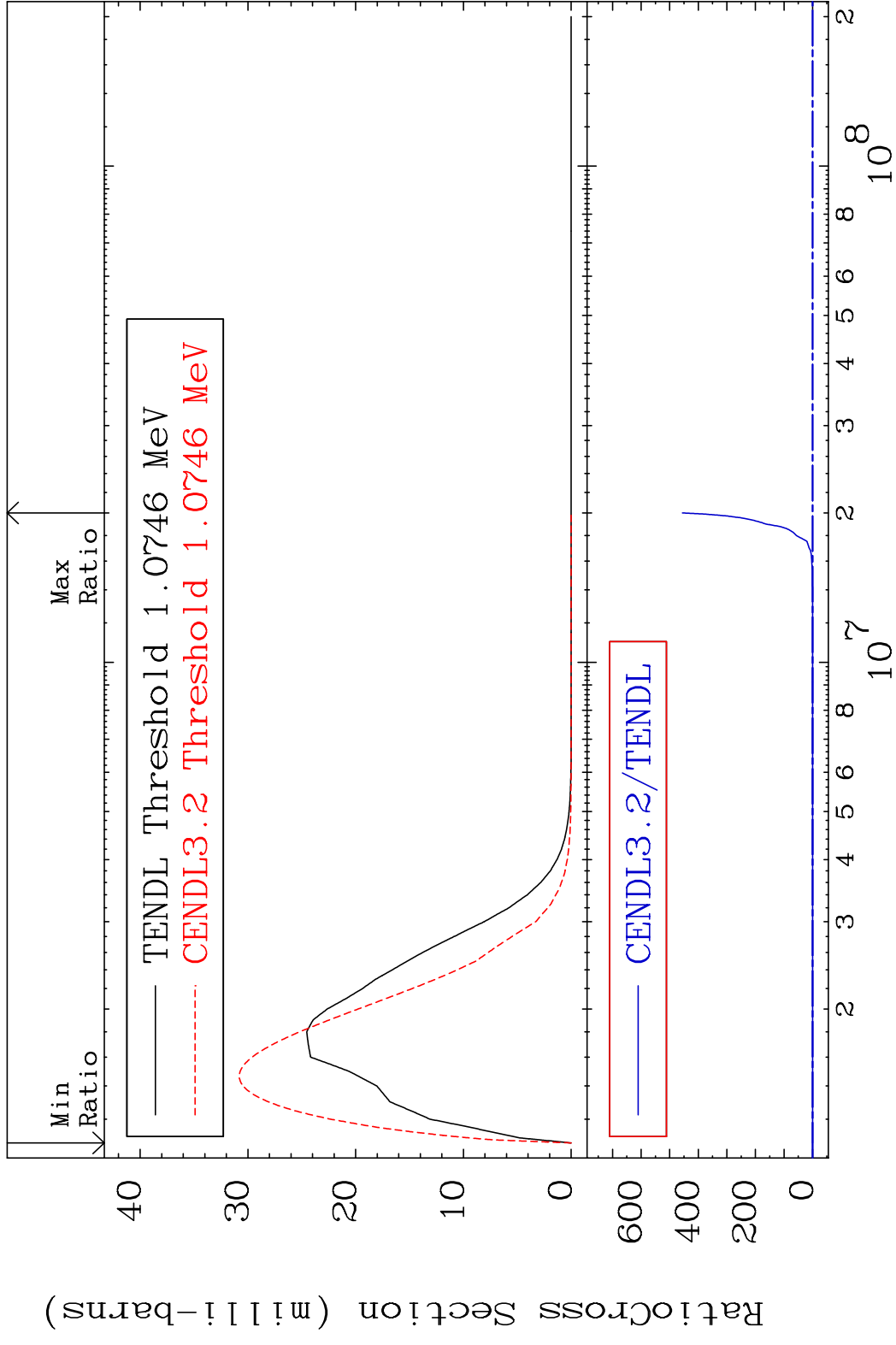


25 Incident Energy (eV) 92-U -236

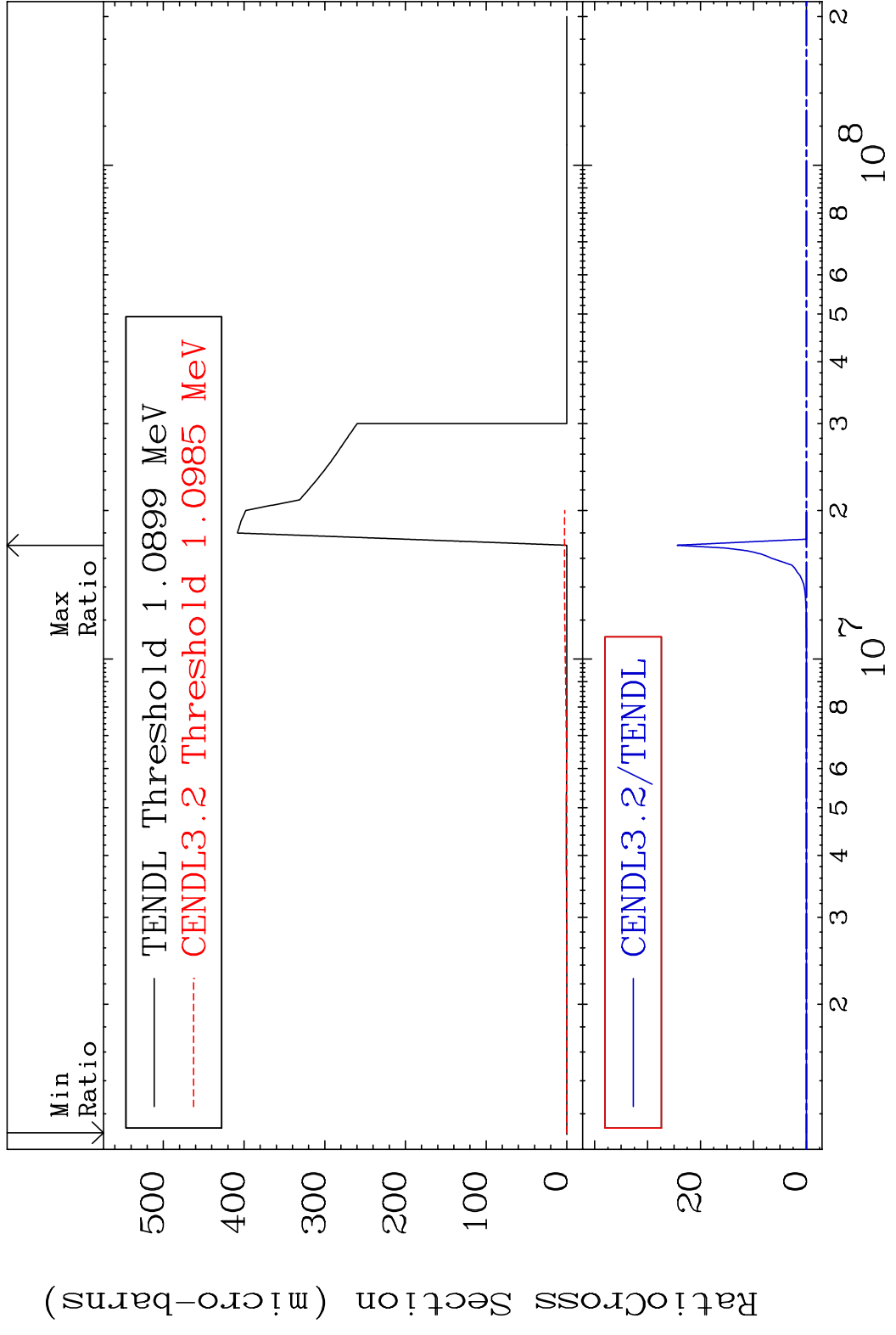
MAT 9231 MT= 70 (n,n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



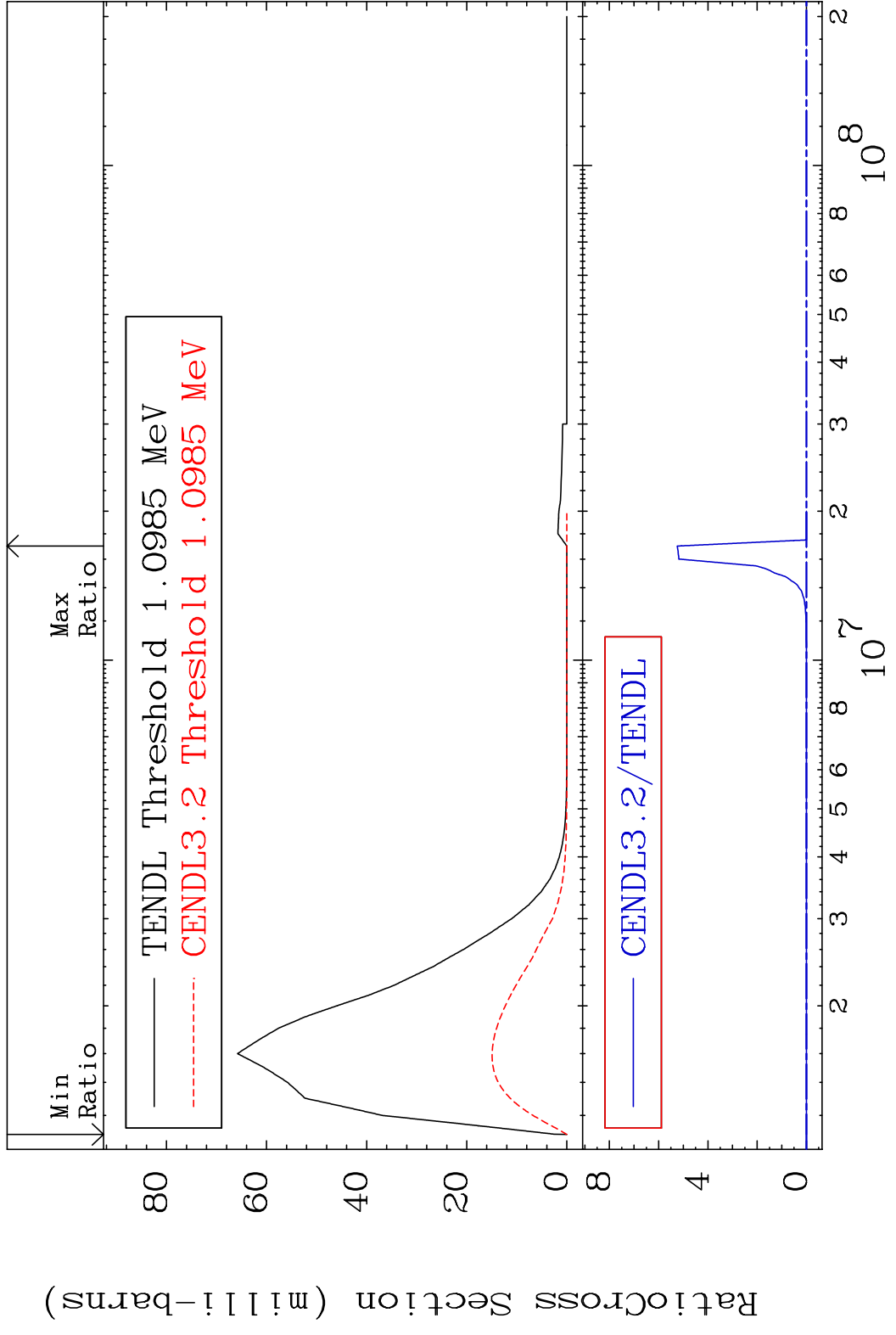
MAT 9231 MT= 71 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



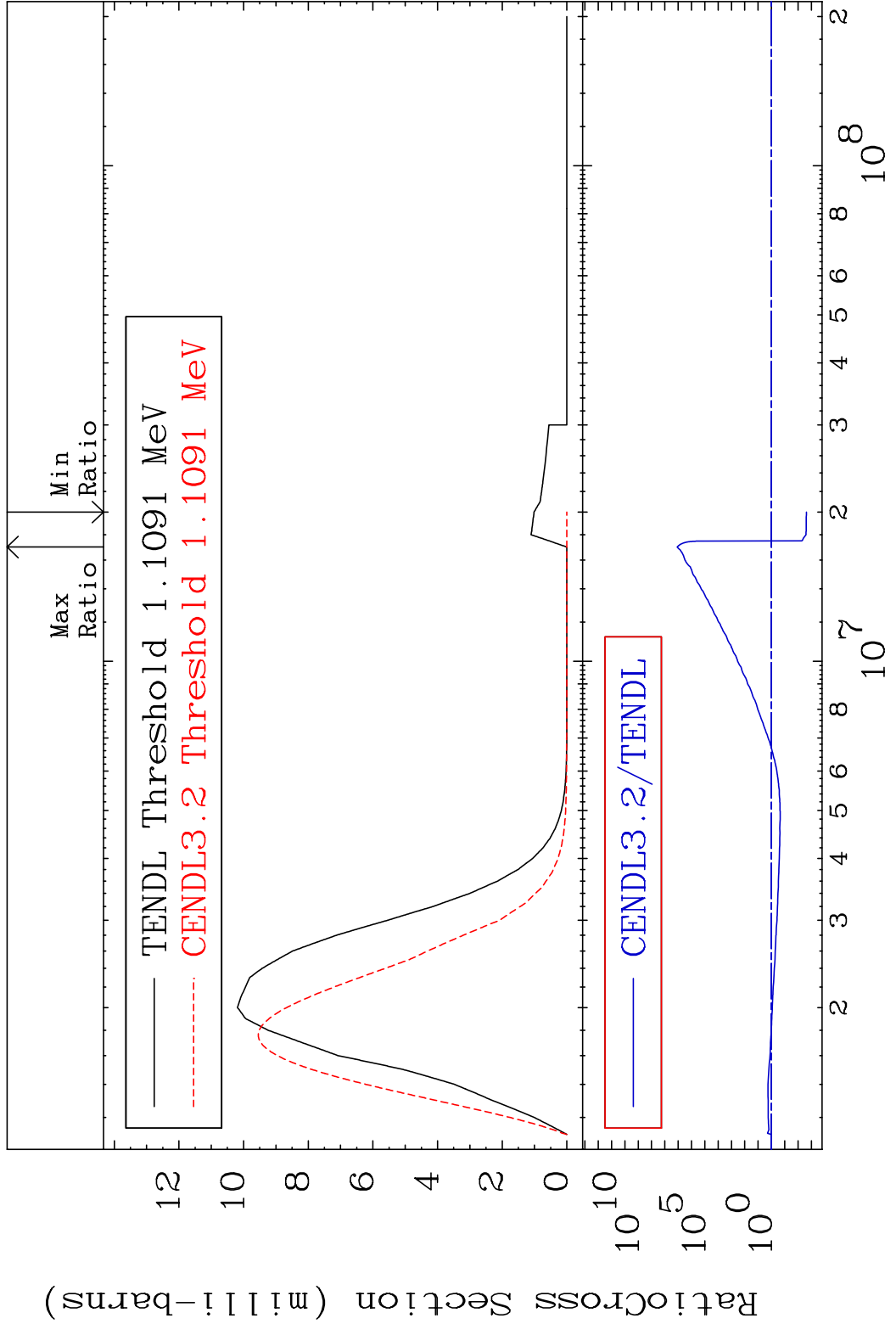
MAT 9231 MT= 72 (n,n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



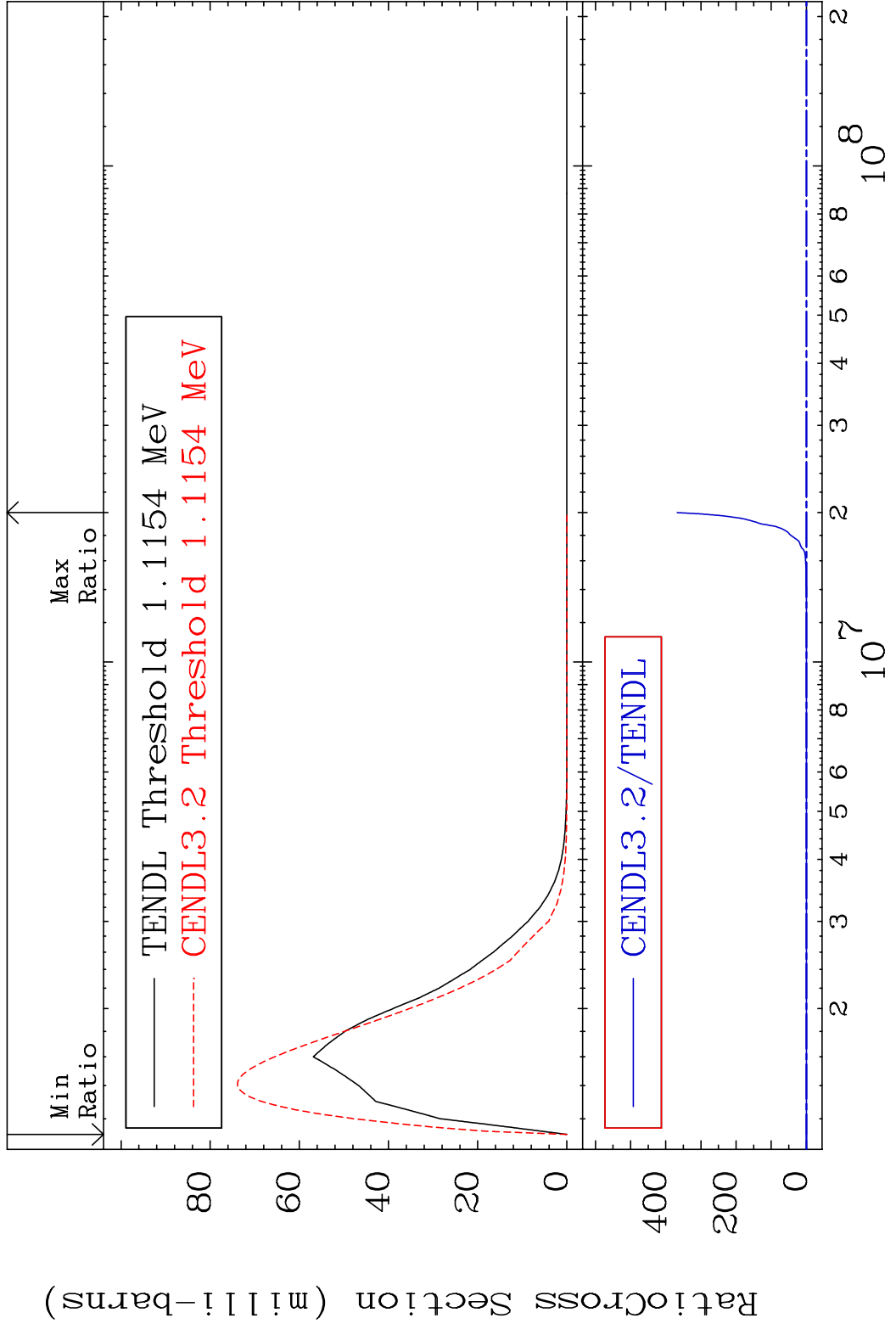
MAT 9231 MT= 73 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



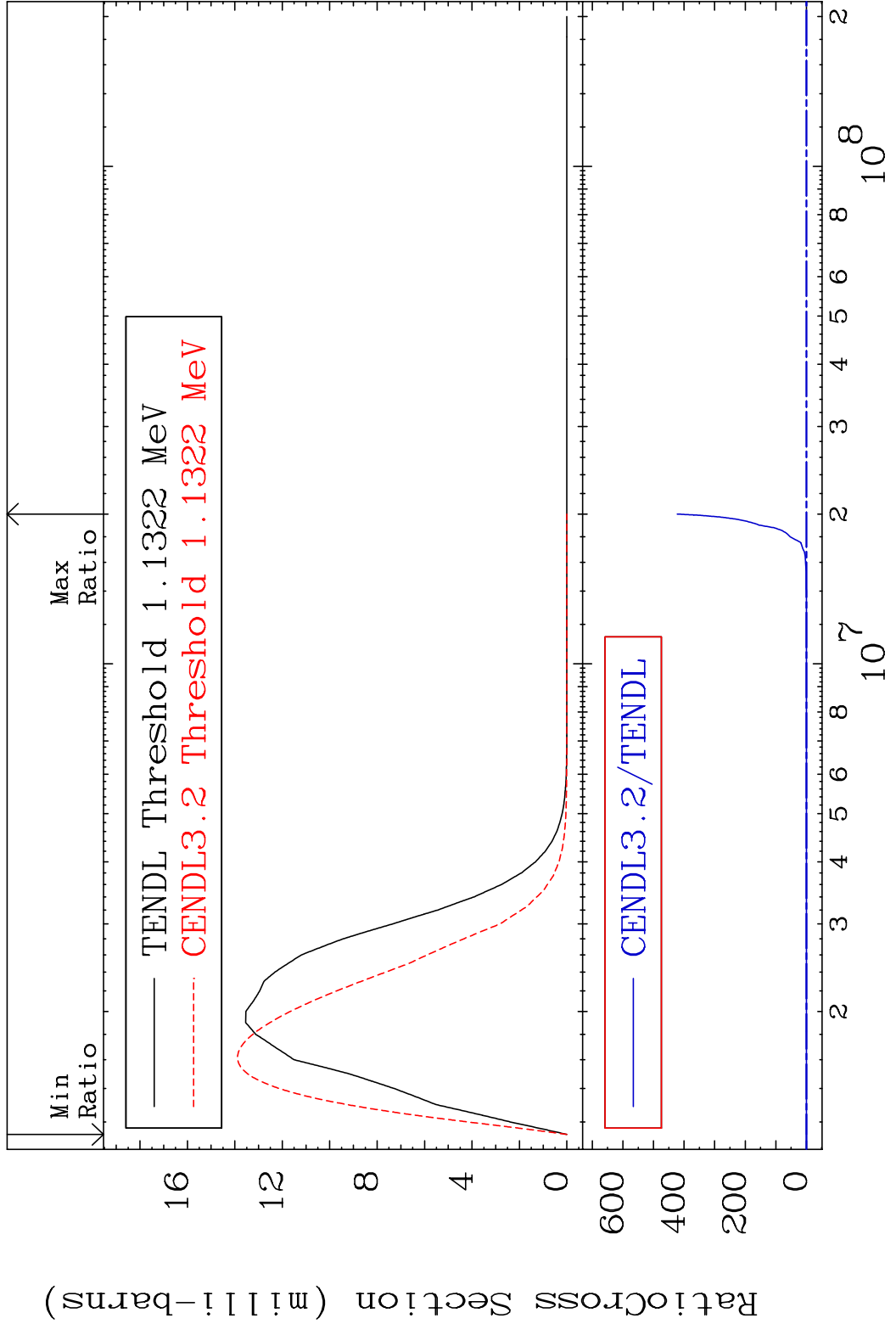
MAT 9231 MT= 74 (n, n') Level 92-U -236  
 Cross Section -99.77 To 9999. %



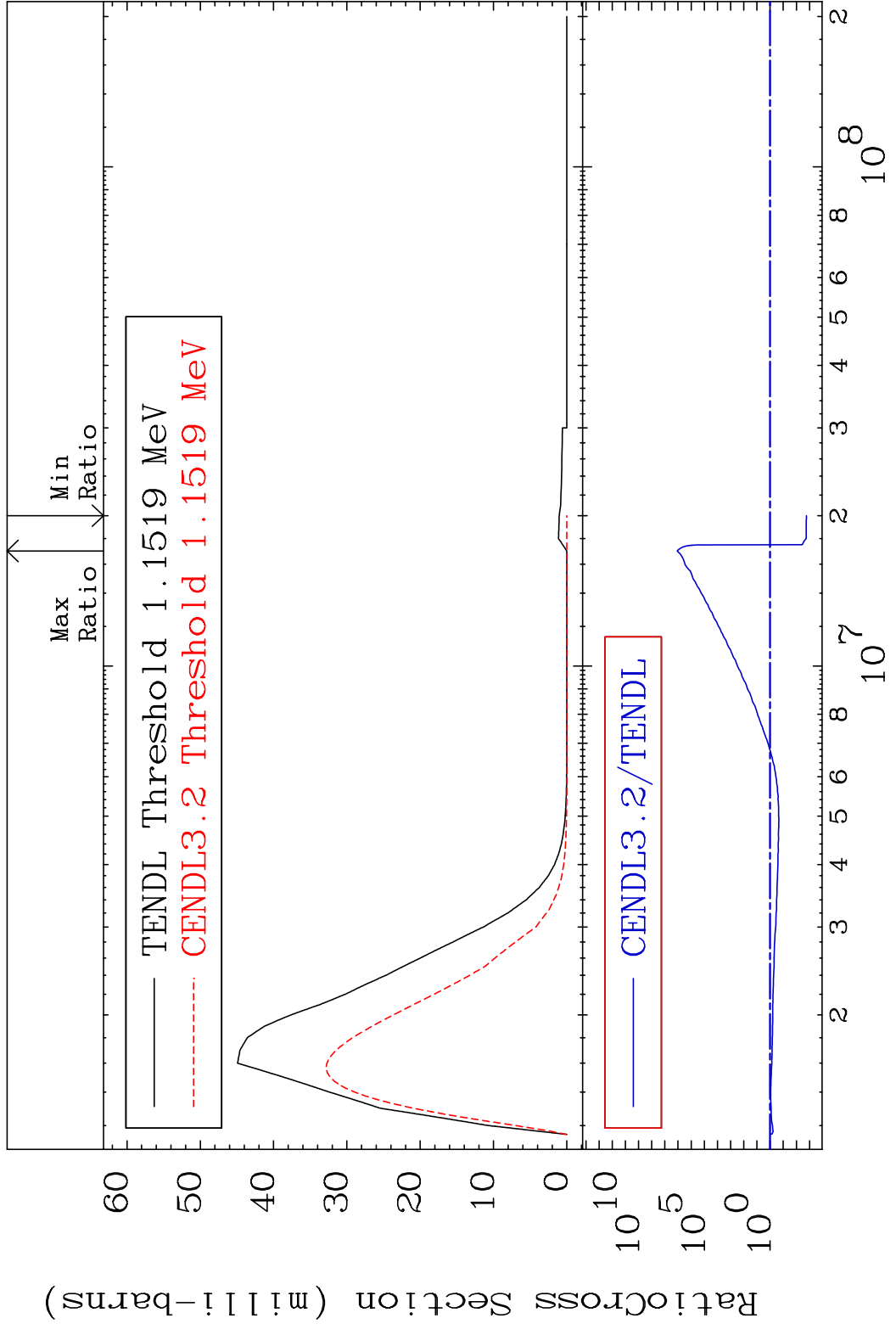
MAT 9231      MT= 75 (n,n') Level      92-U -236  
 Cross Section    -100.0 To 9999. %



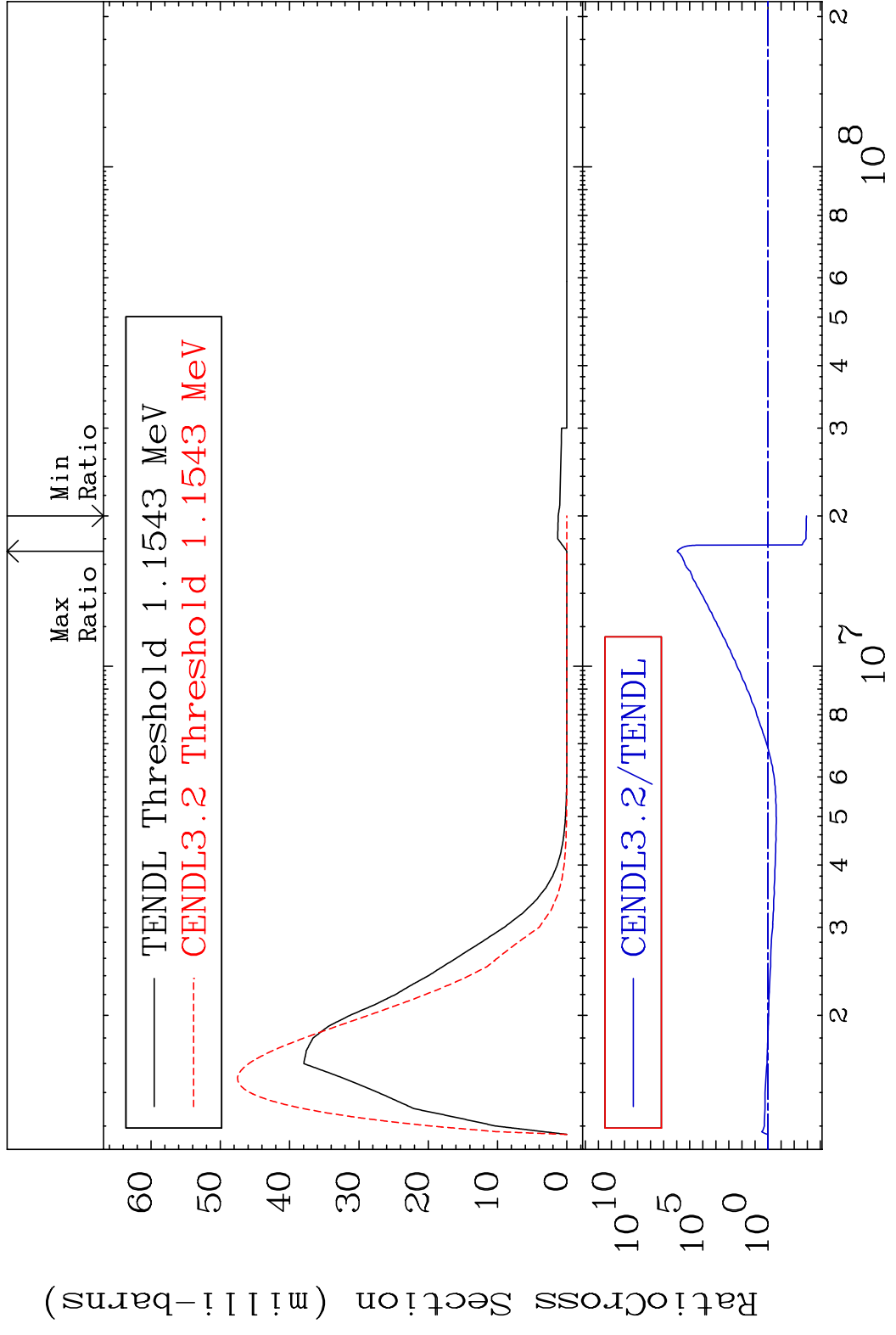
MAT 9231 MT= 76 (n, n') Level 92-U -236  
 Cross Section -100.0 To 9999. %



MAT 9231 MT= 77 (n,n') Level 92-U -236  
 Cross Section -99.83 To 9999. %



MAT 9231 MT= 78 (n, n') Level 92-U -236  
 Cross Section -99.88 To 9999. %

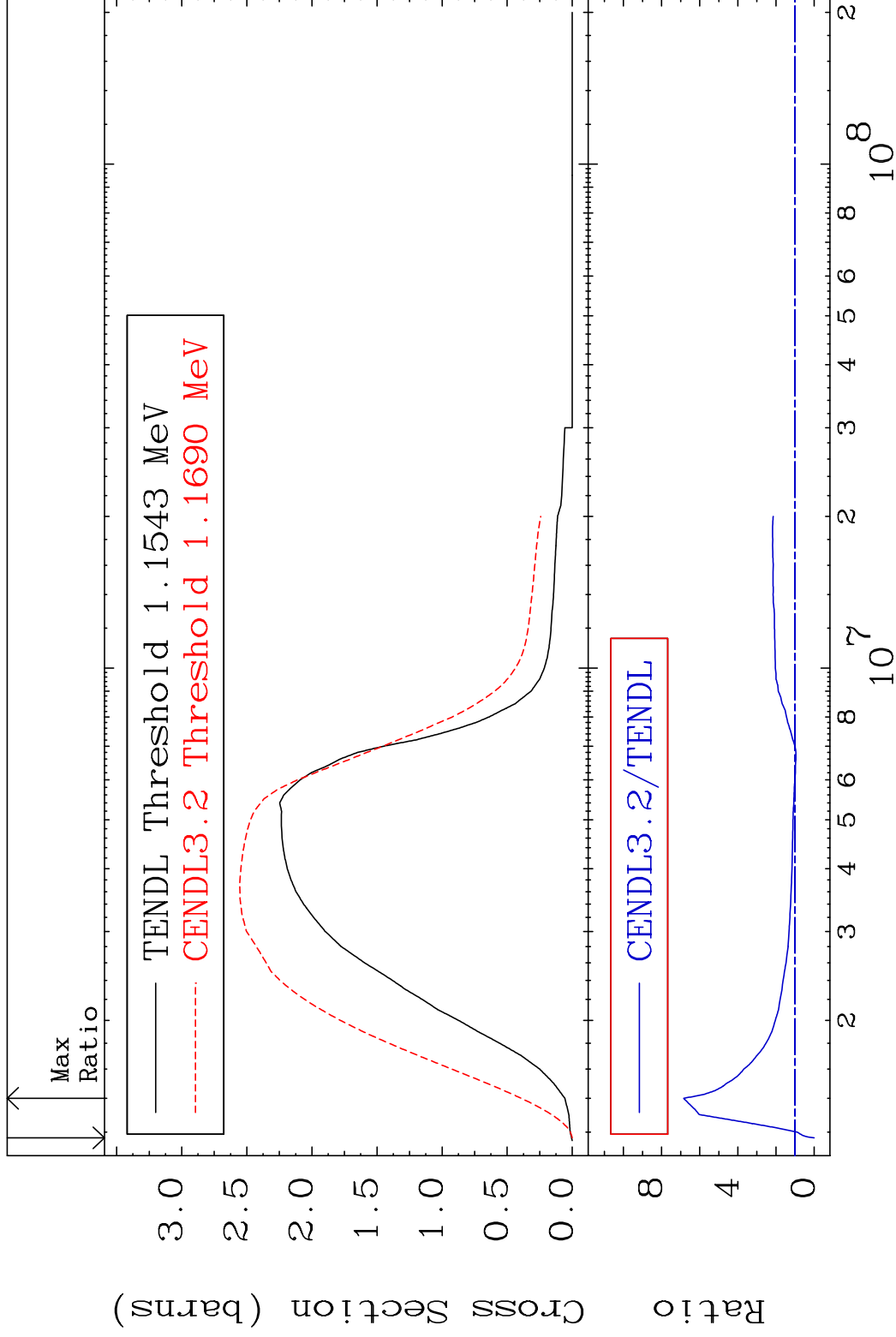


MAT 9231

(n,n') Continuum

92-U -236

Cross Section -100.0 To 584.1 %



35

Incident Energy (eV)

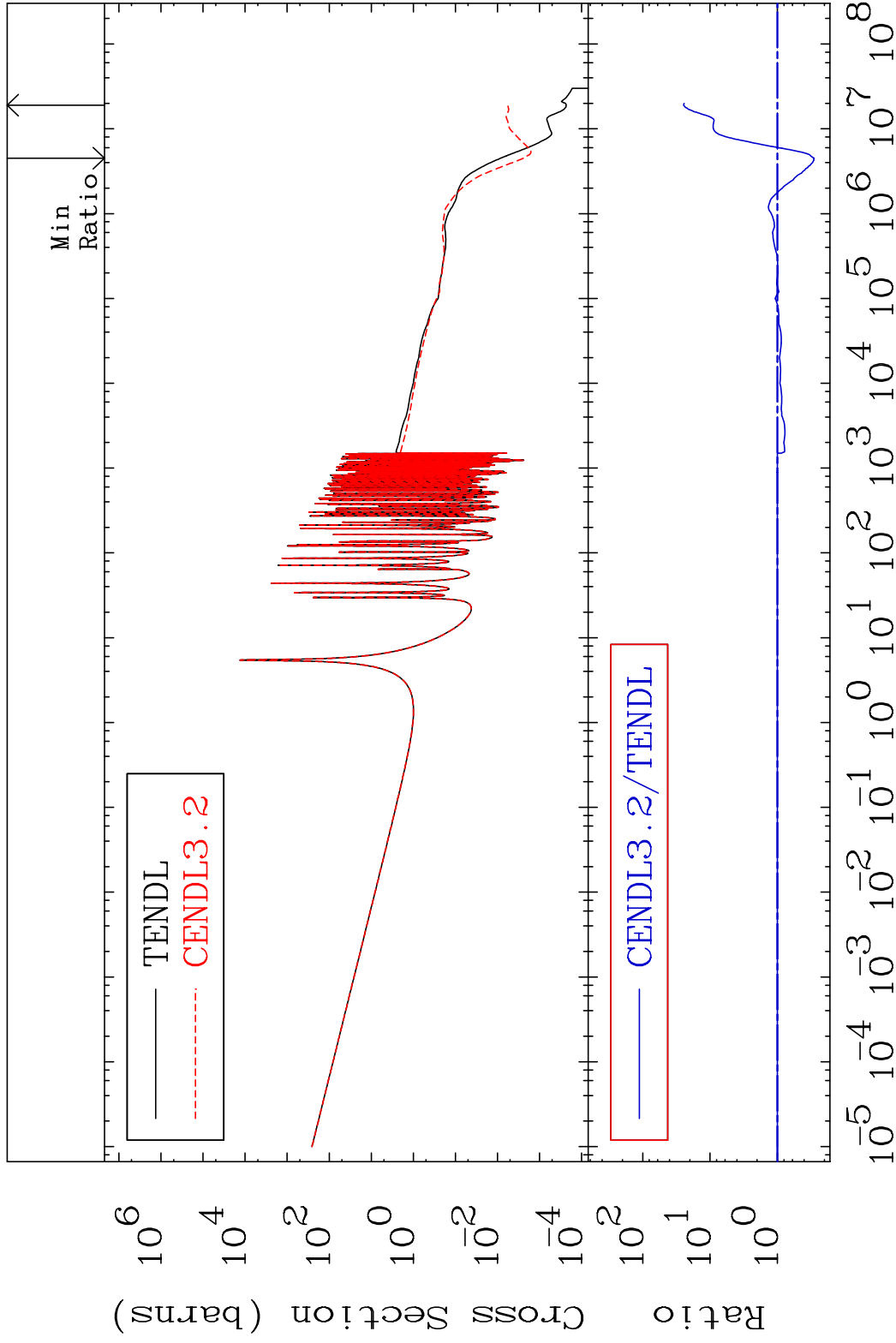
92-U -236

MAT 9231

(n,  $\gamma$ )

92-U -236

Cross Section -71.48 To 2366. %



36

Incident Energy (eV)

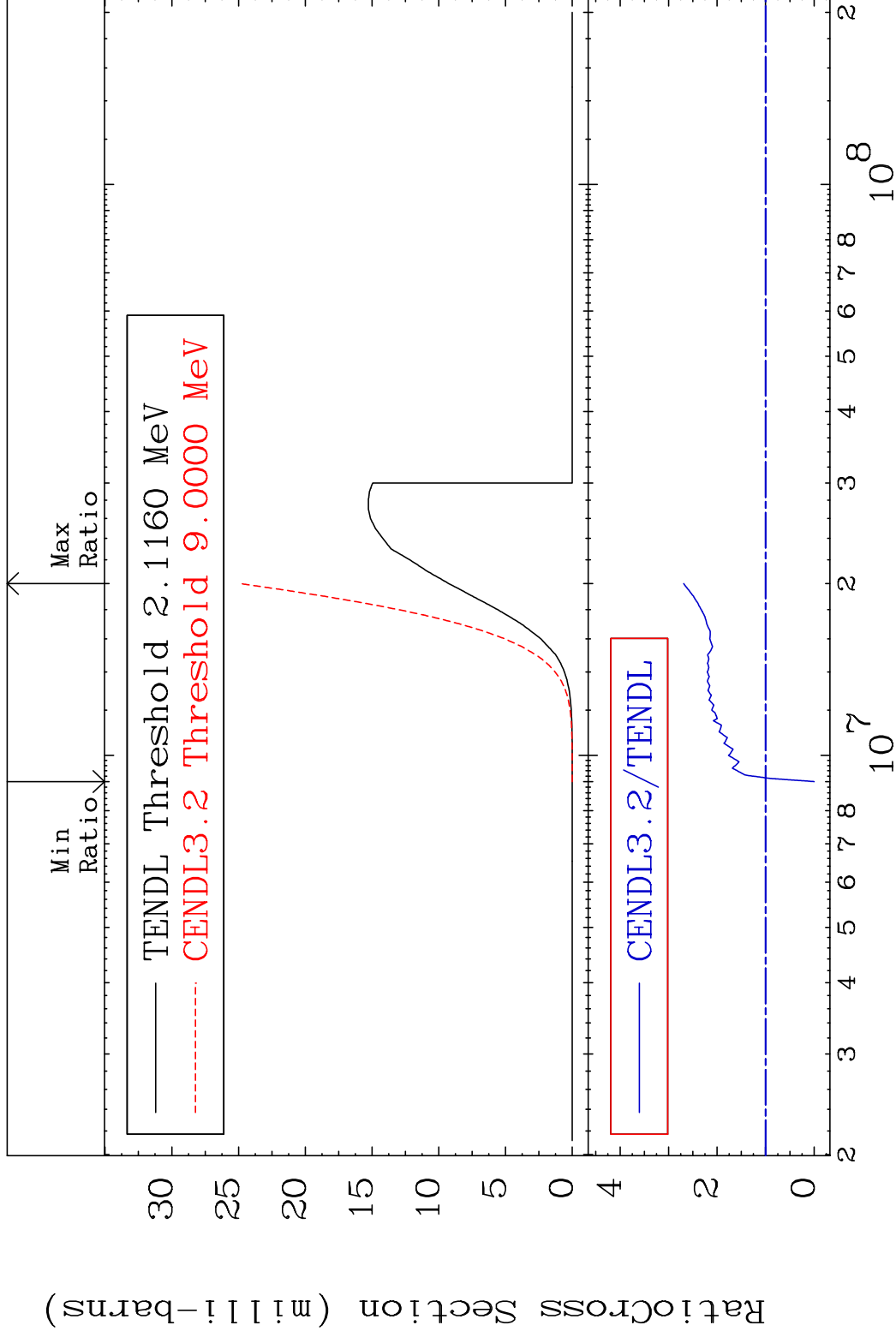
92-U -236

MAT 9231

(n, p)

92-U -236

Cross Section -100.0 To 168.9 %



37

Incident Energy (eV)

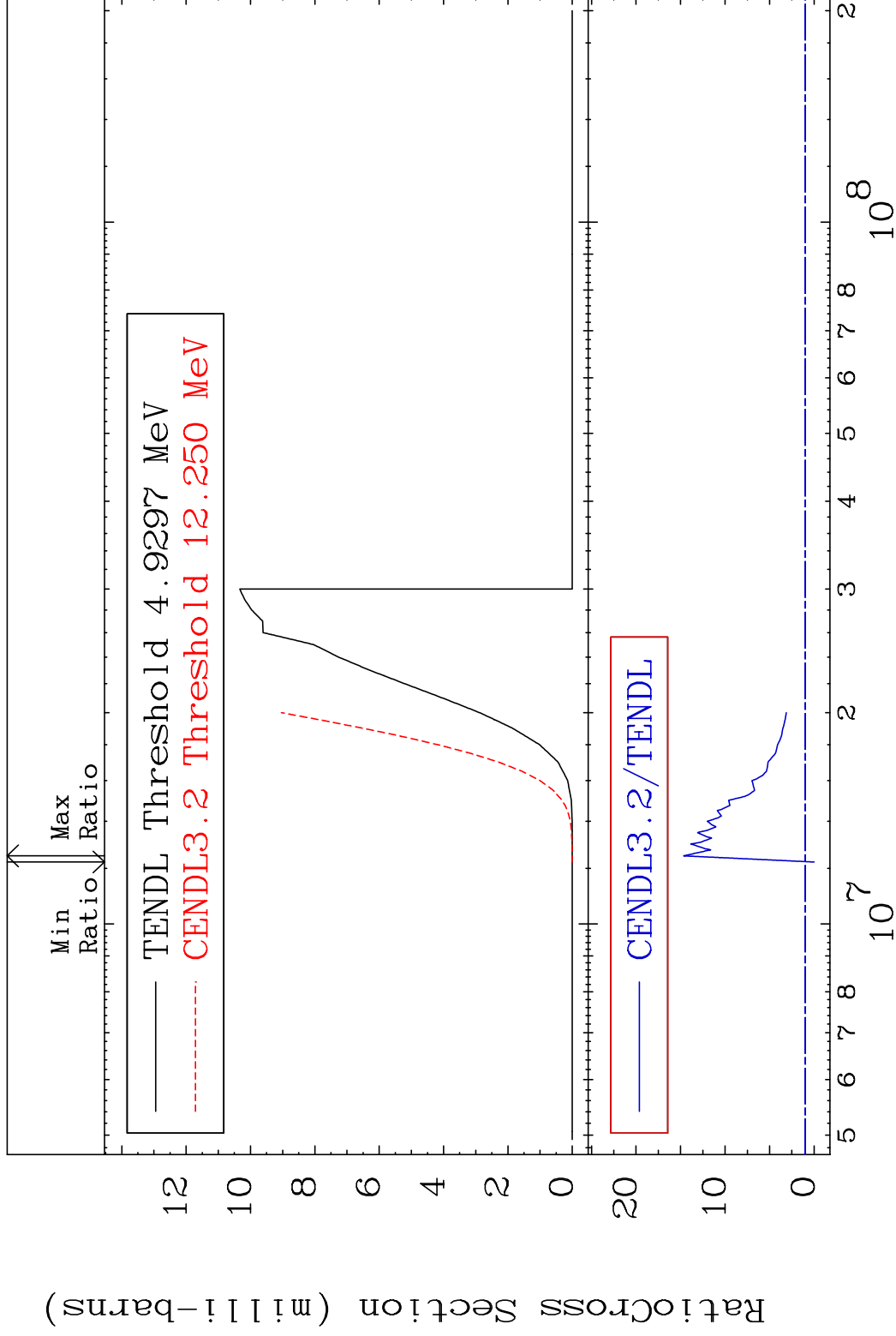
92-U -236

MAT 9231

(n, d)

92-U -236

Cross Section -100.0 To 1365. %



38

Incident Energy (eV)

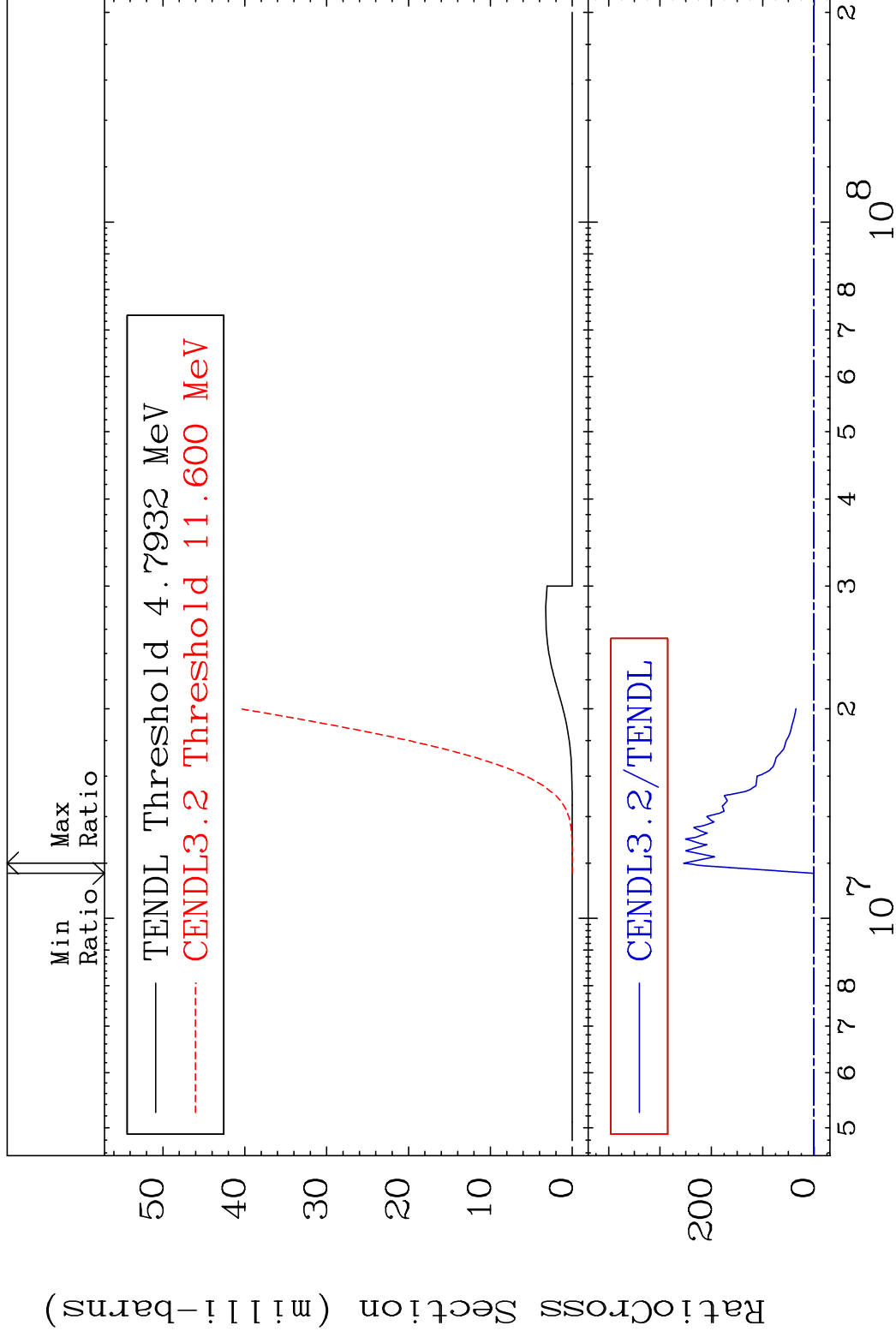
92-U -236

MAT 9231

(n, t)

92-U -236

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

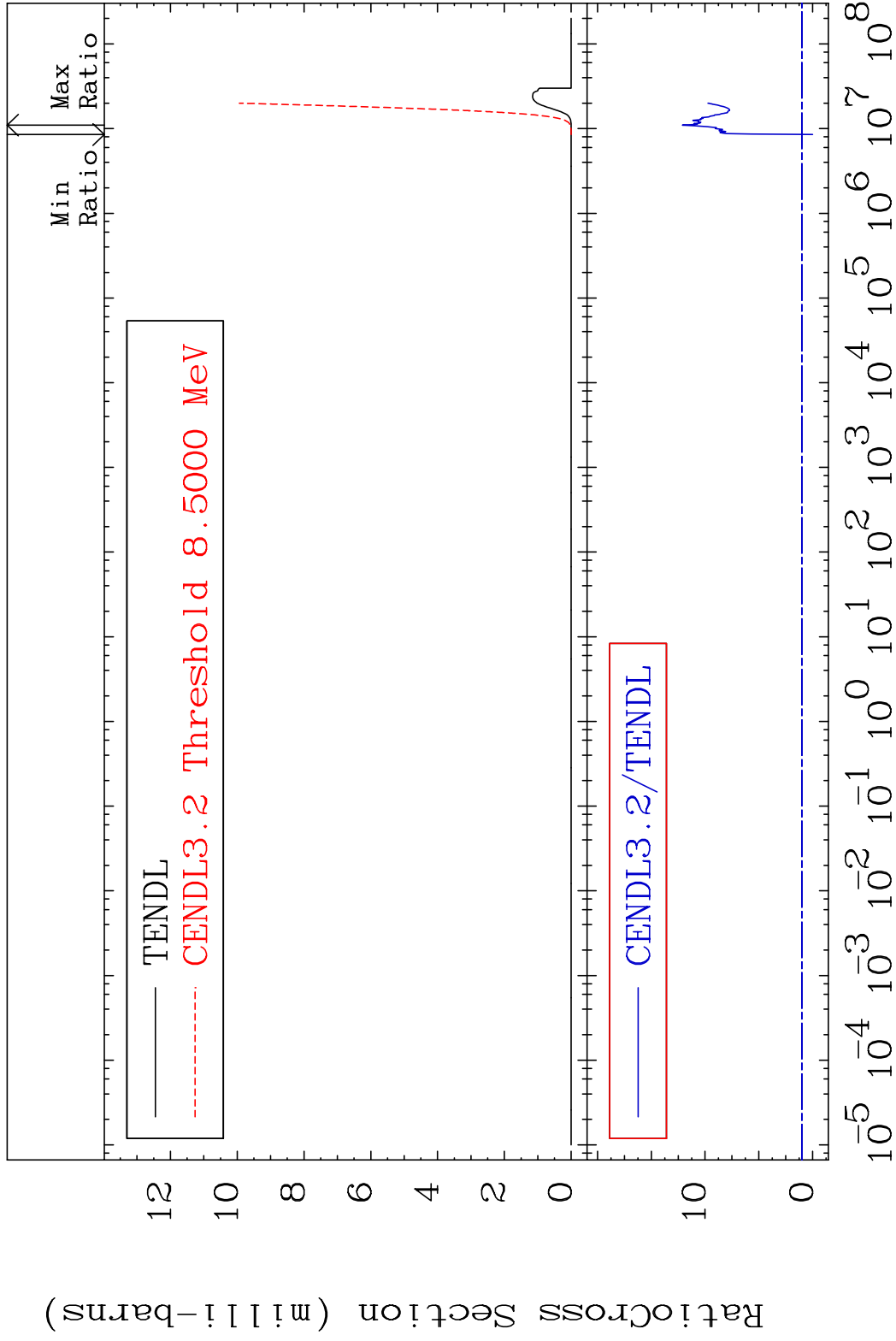
92-U -236

MAT 9231

(n,  $\alpha$ )

92-U -236

Cross Section -100.0 To 1111. %



40

Incident Energy (eV)

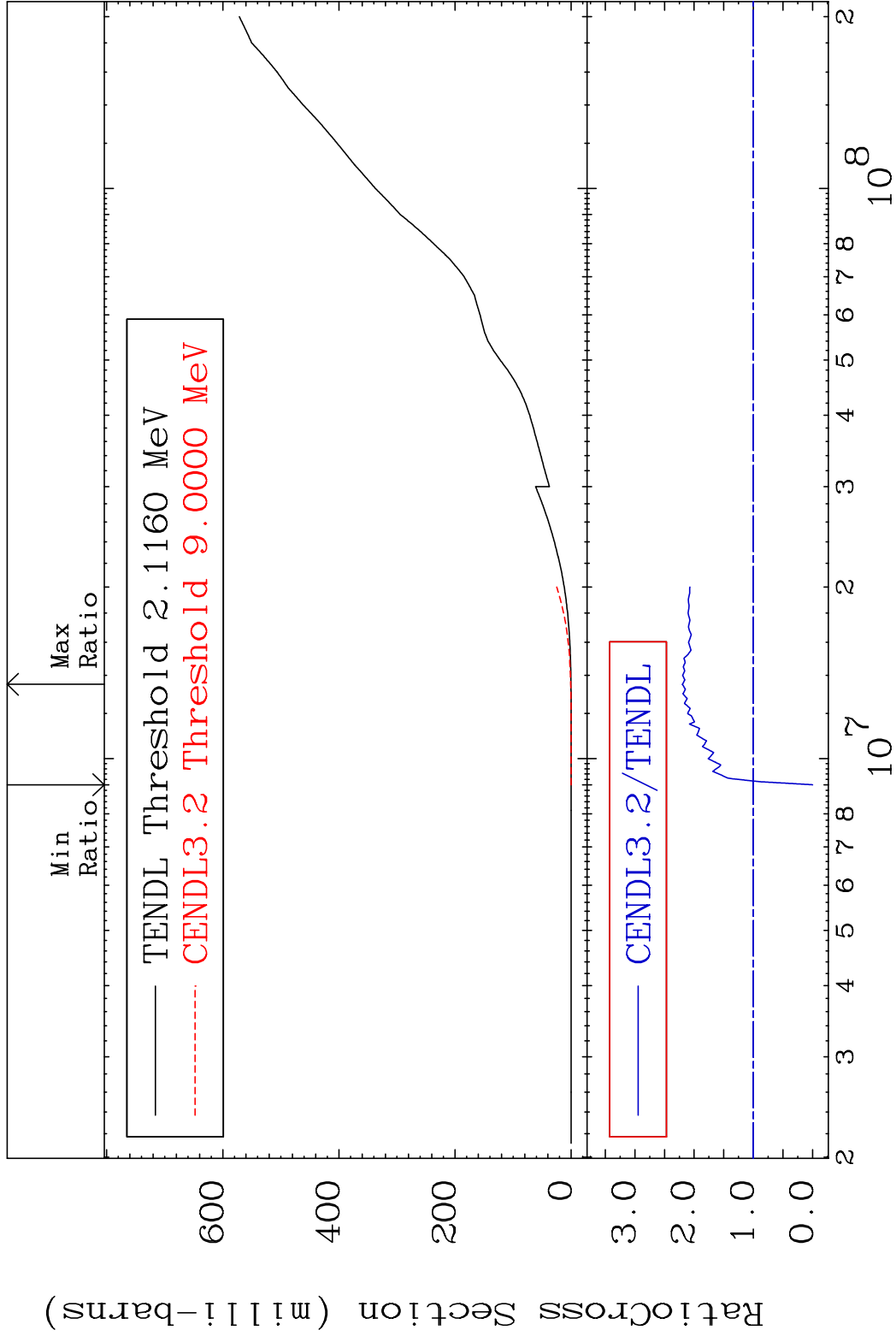
92-U -236

MAT 9231

Hydrogen Production

92-U -236

Cross Section -100.0 To 119.9 %



41

Incident Energy (eV)

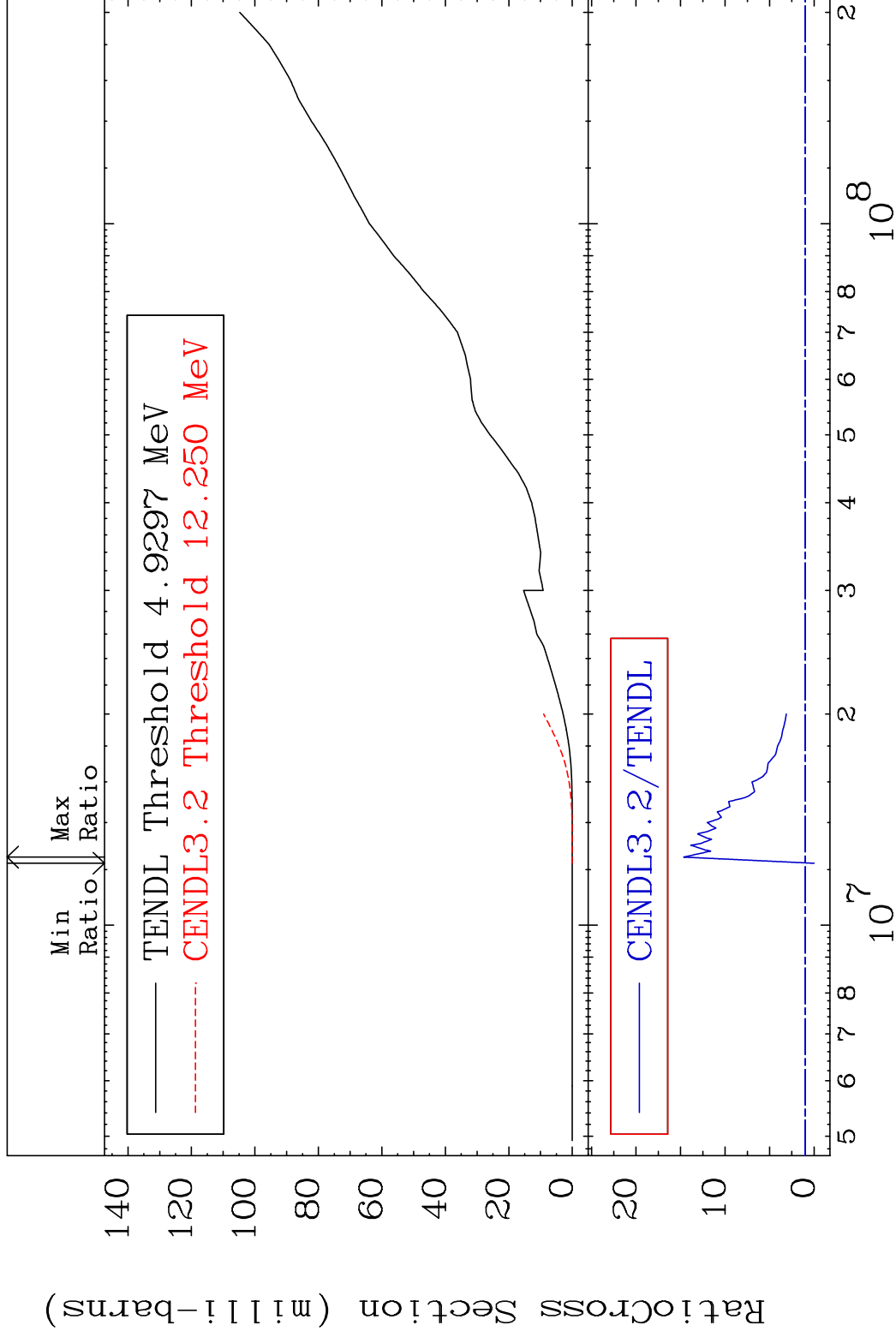
92-U -236

MAT 9231

Deuterium Production

92-U -236

Cross Section -100.0 To 1365. %



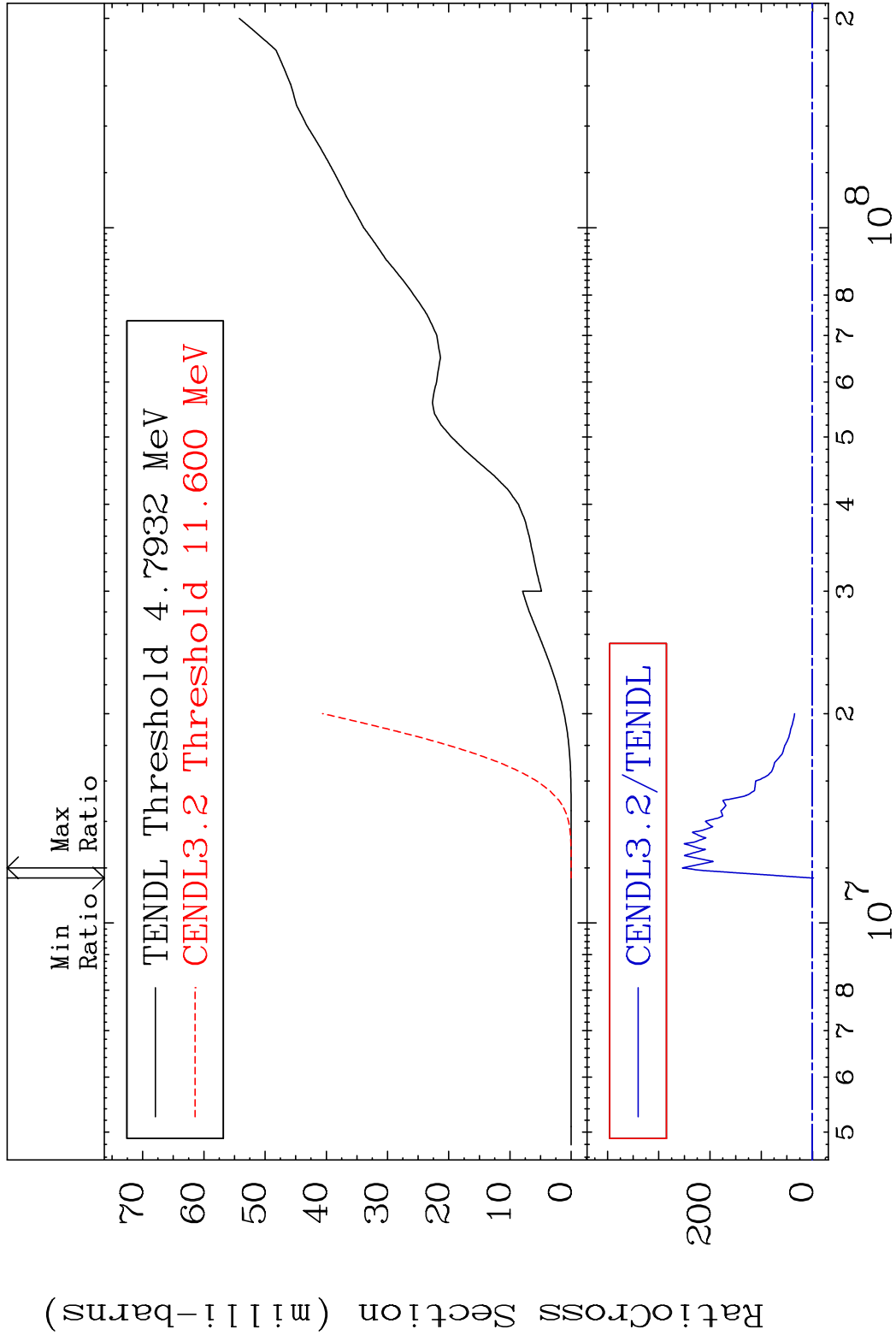
42

Incident Energy (eV)

92-U -236

MAT 9231

Tritium Production 92-U -236  
Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

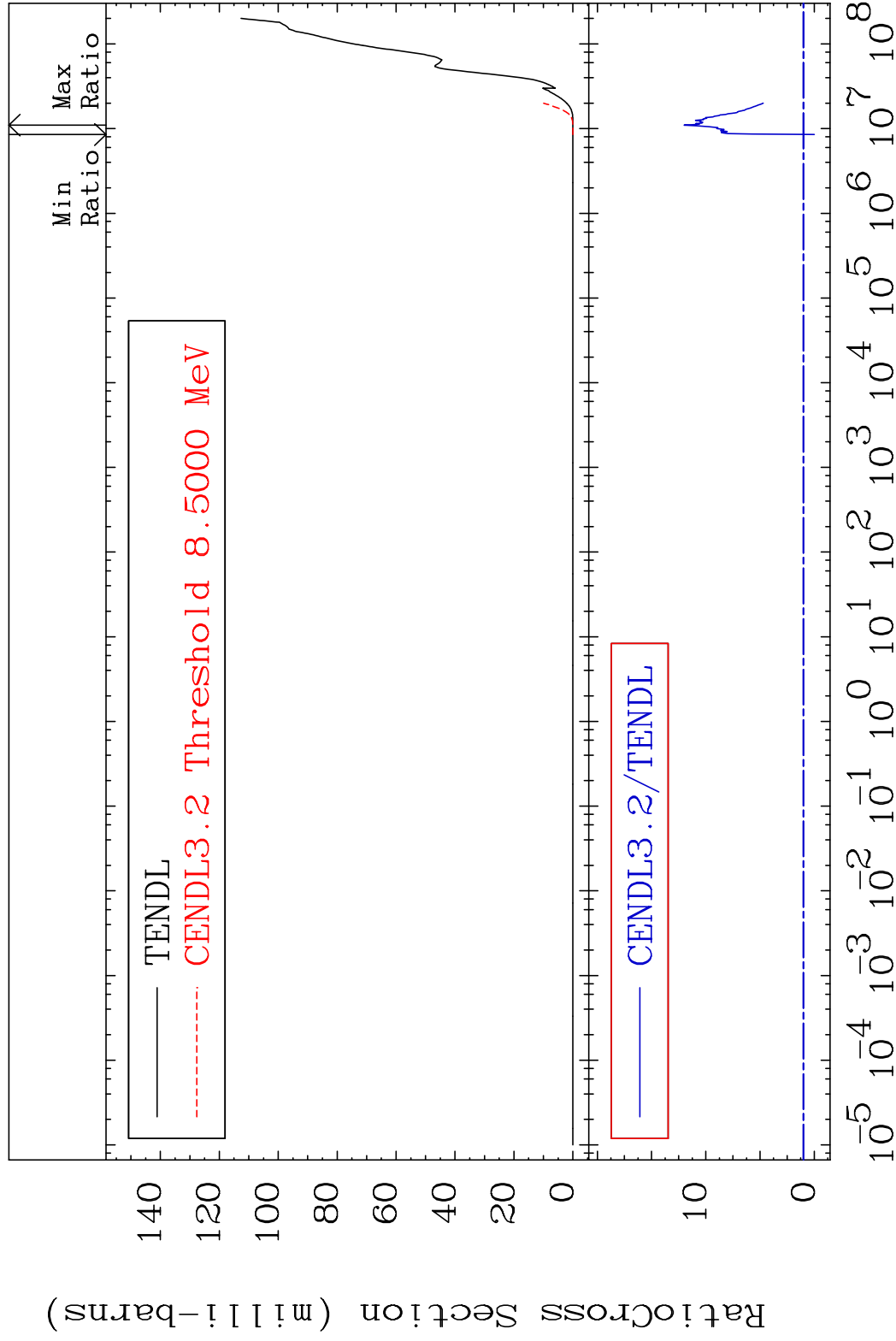
92-U -236

MAT 9231

He-4 Production

92-U -236

Cross Section -100.0 To 1100. %

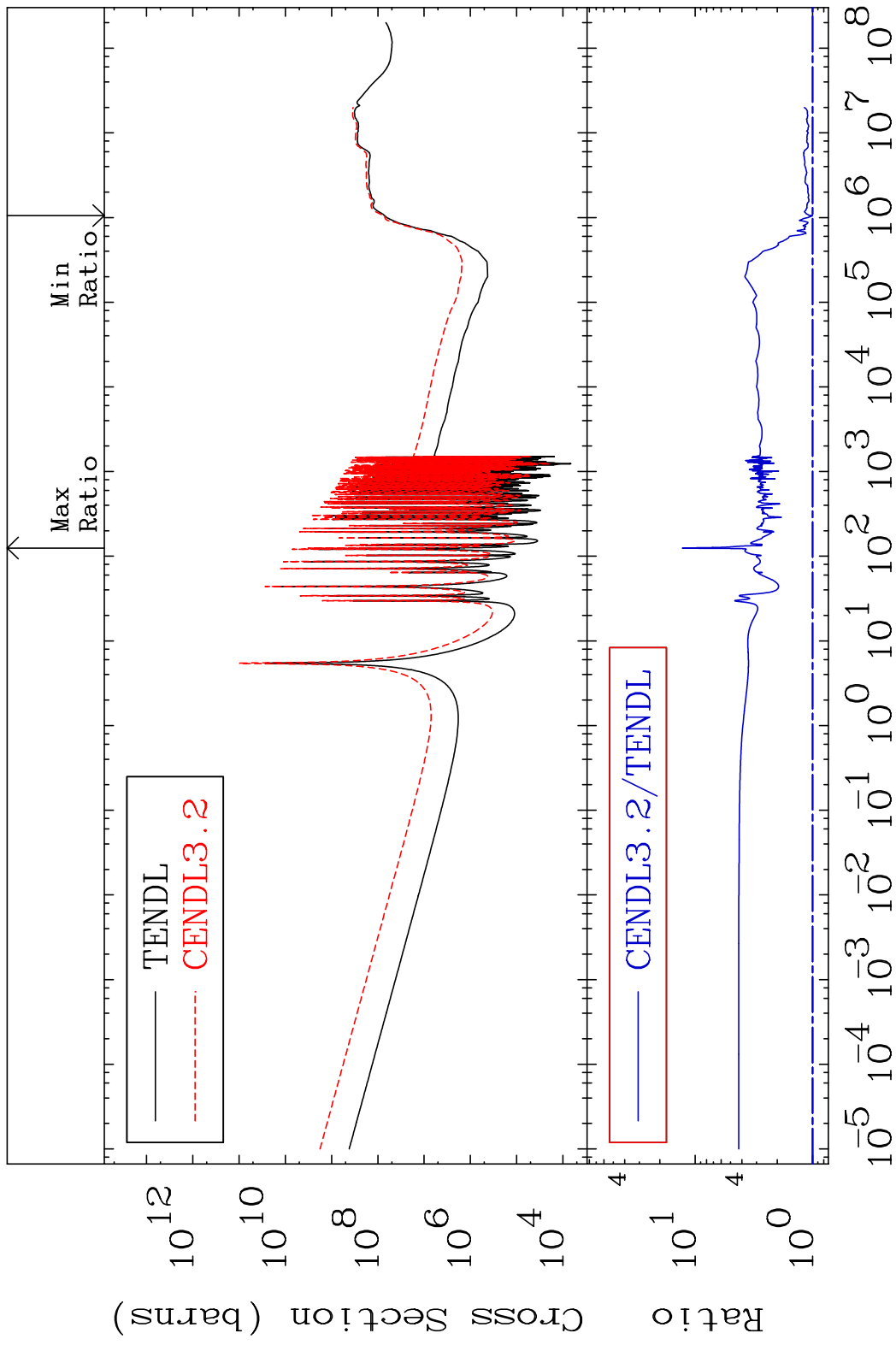


44

Incident Energy (eV)

92-U -236

MAT 9231 Kerma total (eV-barns) 92-U -236  
Cross Section -0.086 To 1187. %



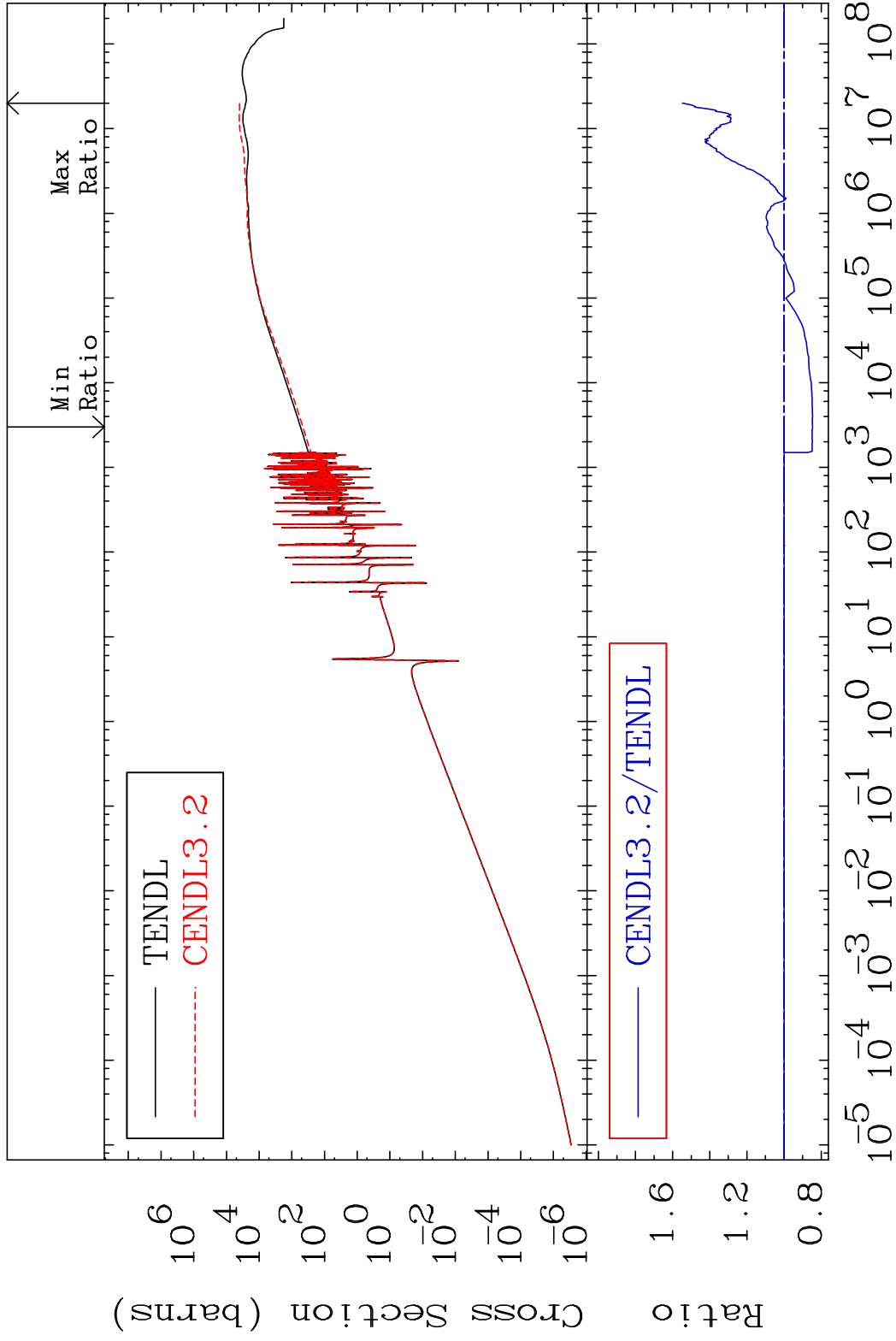
45 Incident Energy (eV) 92-U -236

MAT 9231

Kerma elastic

92-U -236

Cross Section -15.37 To 54.76 %

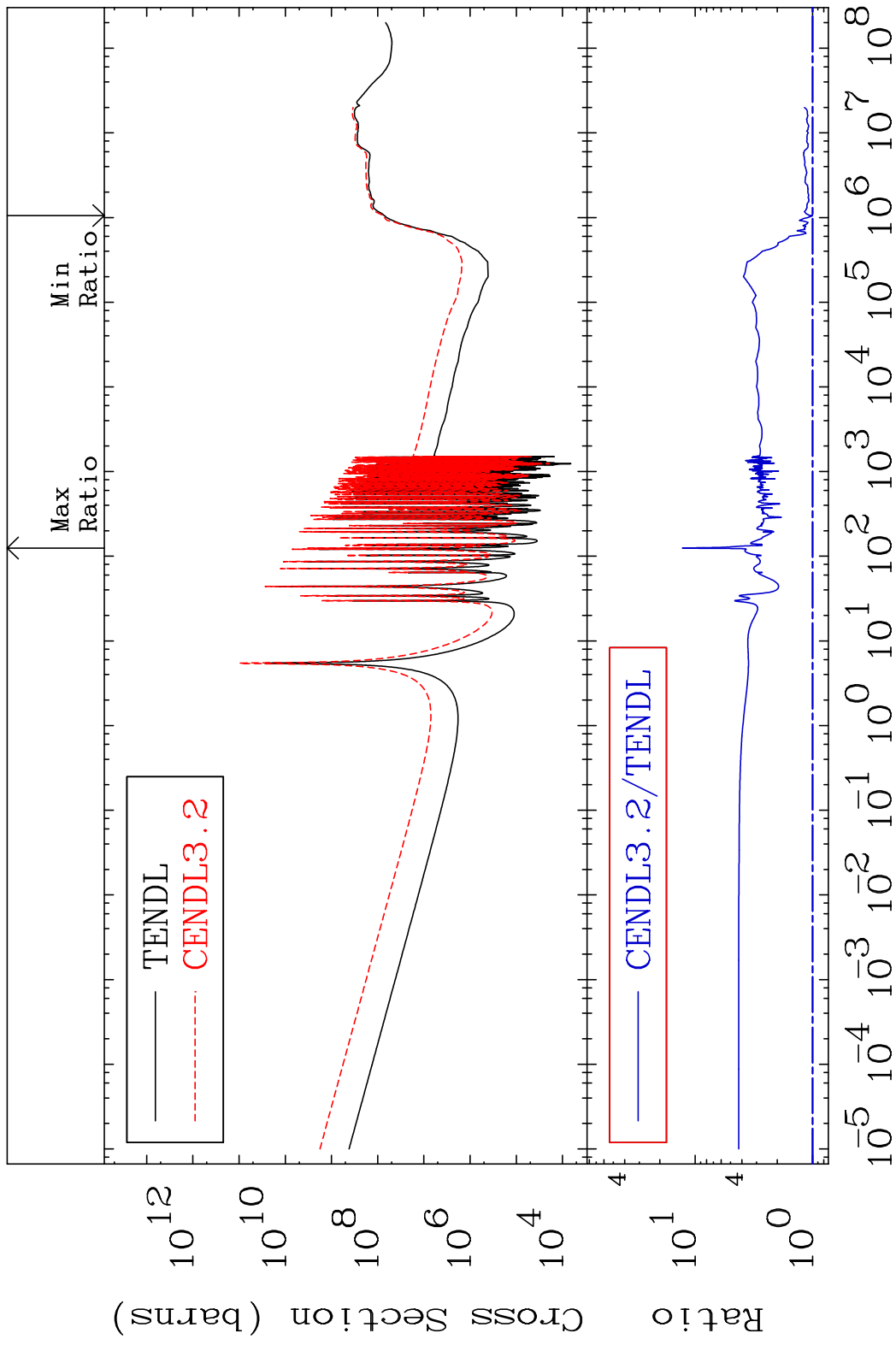


46

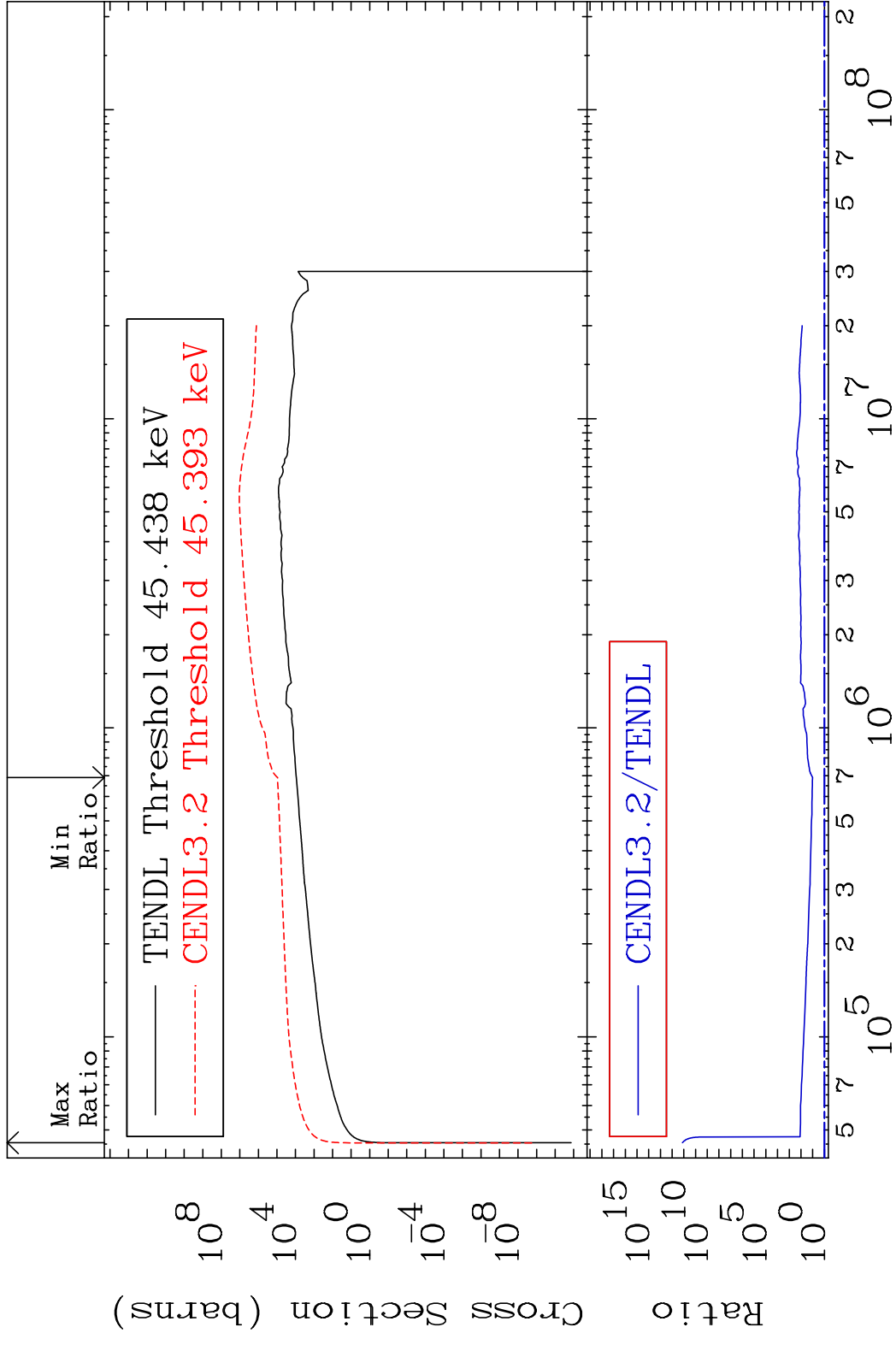
Incident Energy (eV)

92-U -236

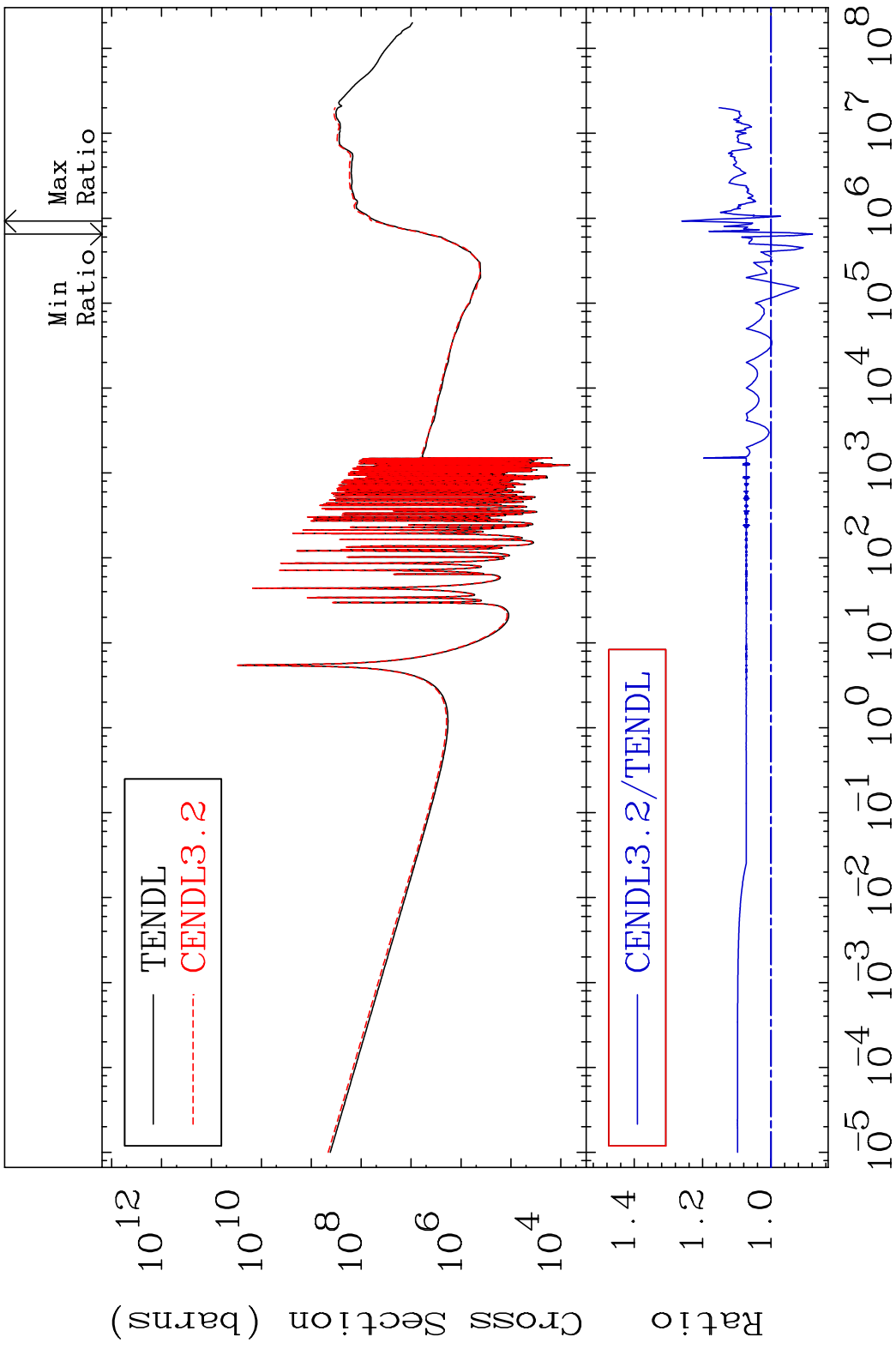
MAT 9231 Kerma non-elastic (all but mt2) 92-U -236  
 Cross Section -0.089 To 1187. %



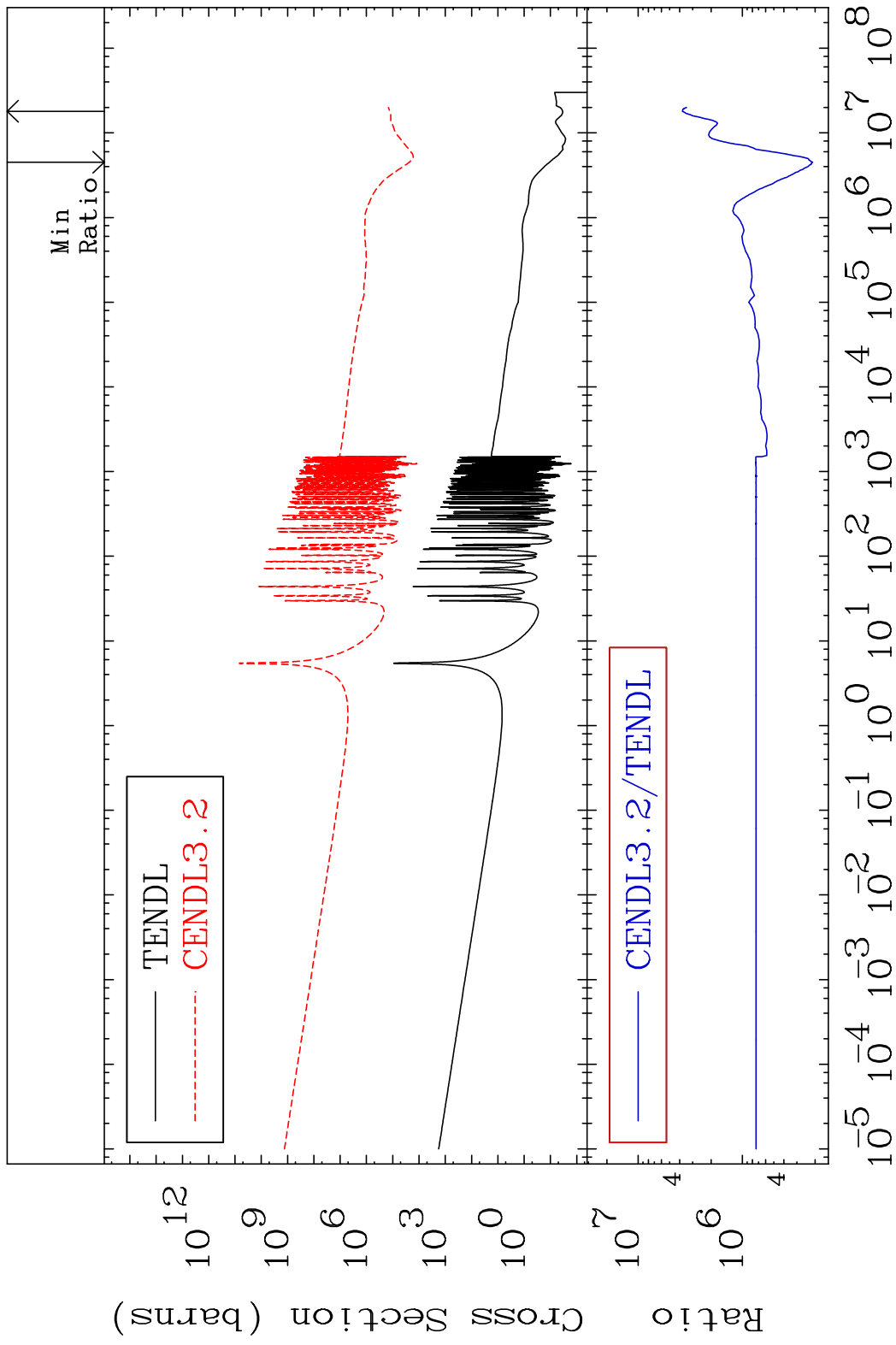
MAT 9231 Kerma inelastic (mt51-91) 92-U -236  
 Cross Section 921.9 To 9999. %



MAT 9231 Kerma fission (mt18 or mt19-20-21-38)2-U -236  
 Cross Section -12.06 To 26.12 %

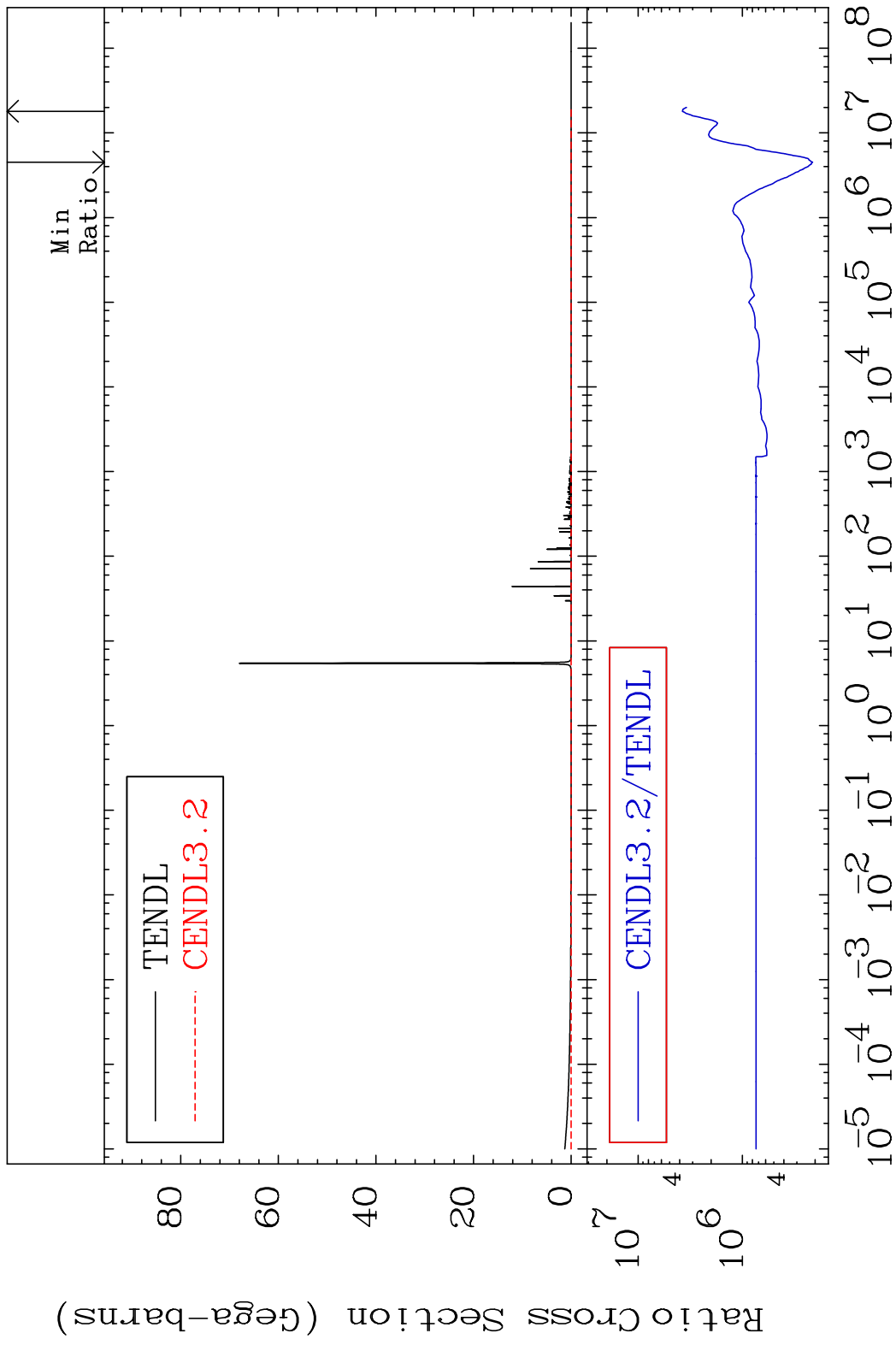


MAT 9231 Kerma capture (mt102) 92-U -236  
 Cross Section 9999. To 9999. %

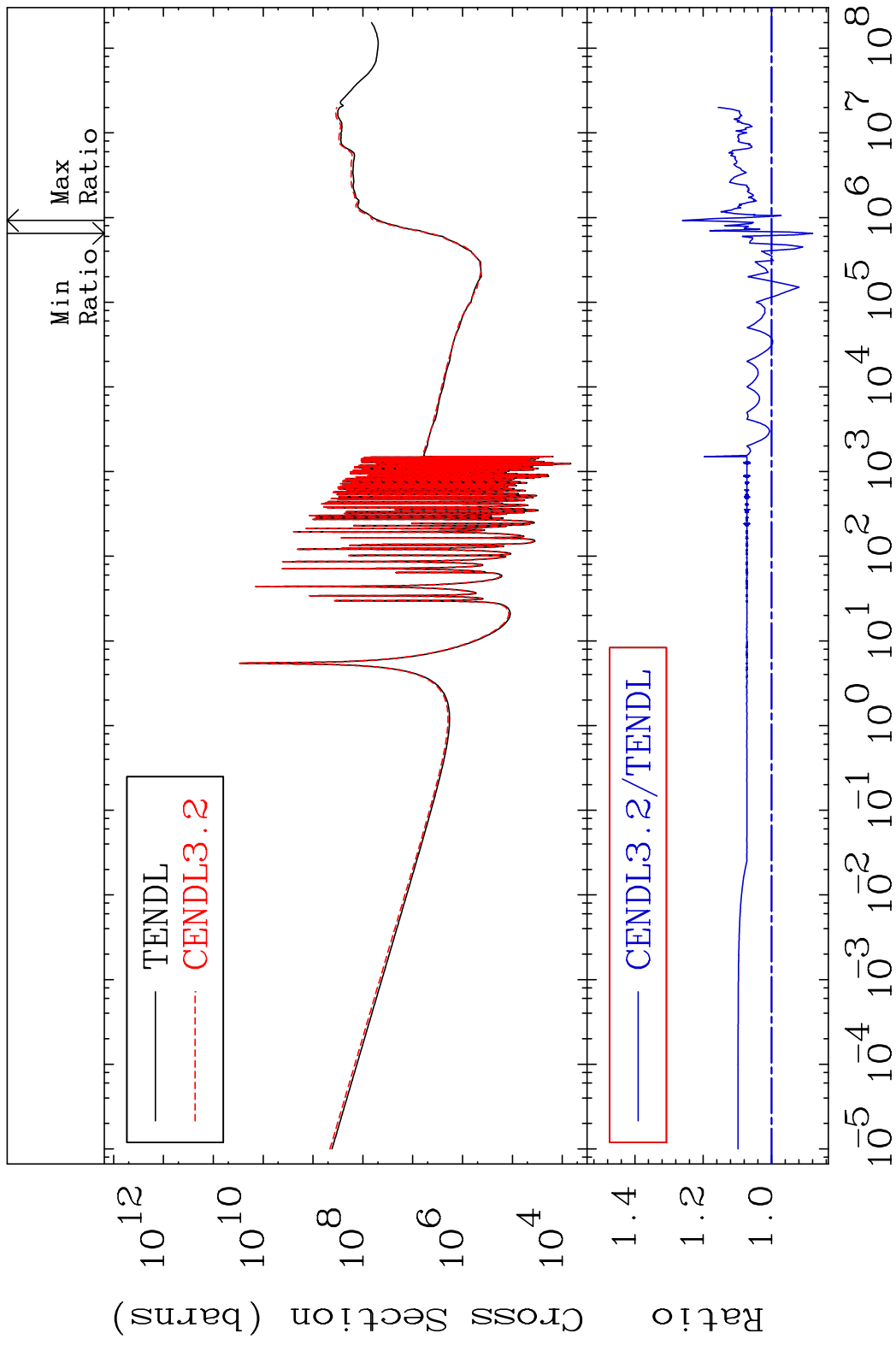


50 Incident Energy (eV) 92-U -236

MAT 9231 Total photon (eV-barns) 92-U -236  
 Cross Section 9999. To 9999. %



MAT 9231 Total kinematic kerma (high limit) 92-U -236  
 Cross Section -11.97 To 26.11 %

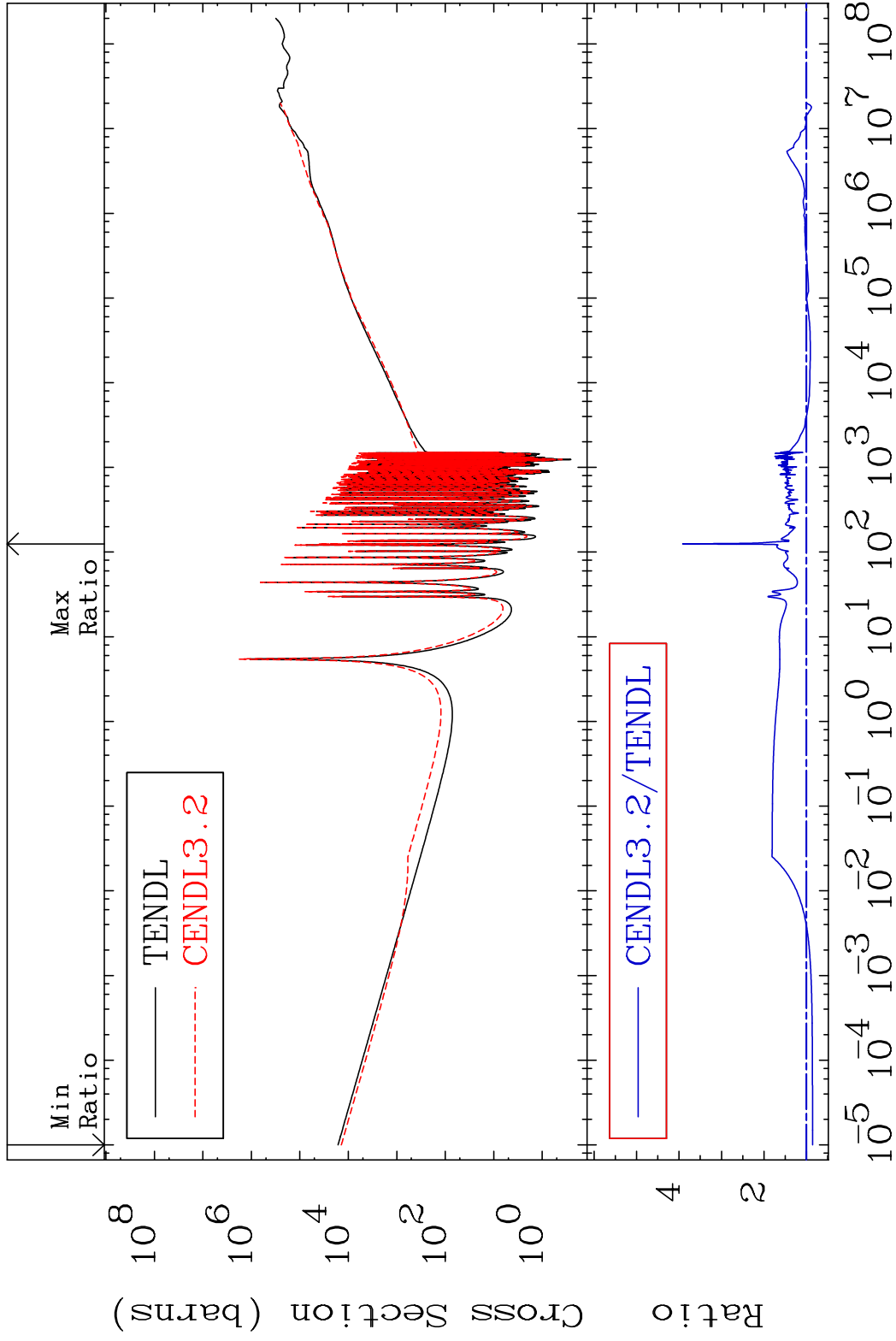


MAT 9231

Dpa total (eV-barns)

92-U -236

Cross Section -14.47 To 292.2 %



53

Incident Energy (eV)

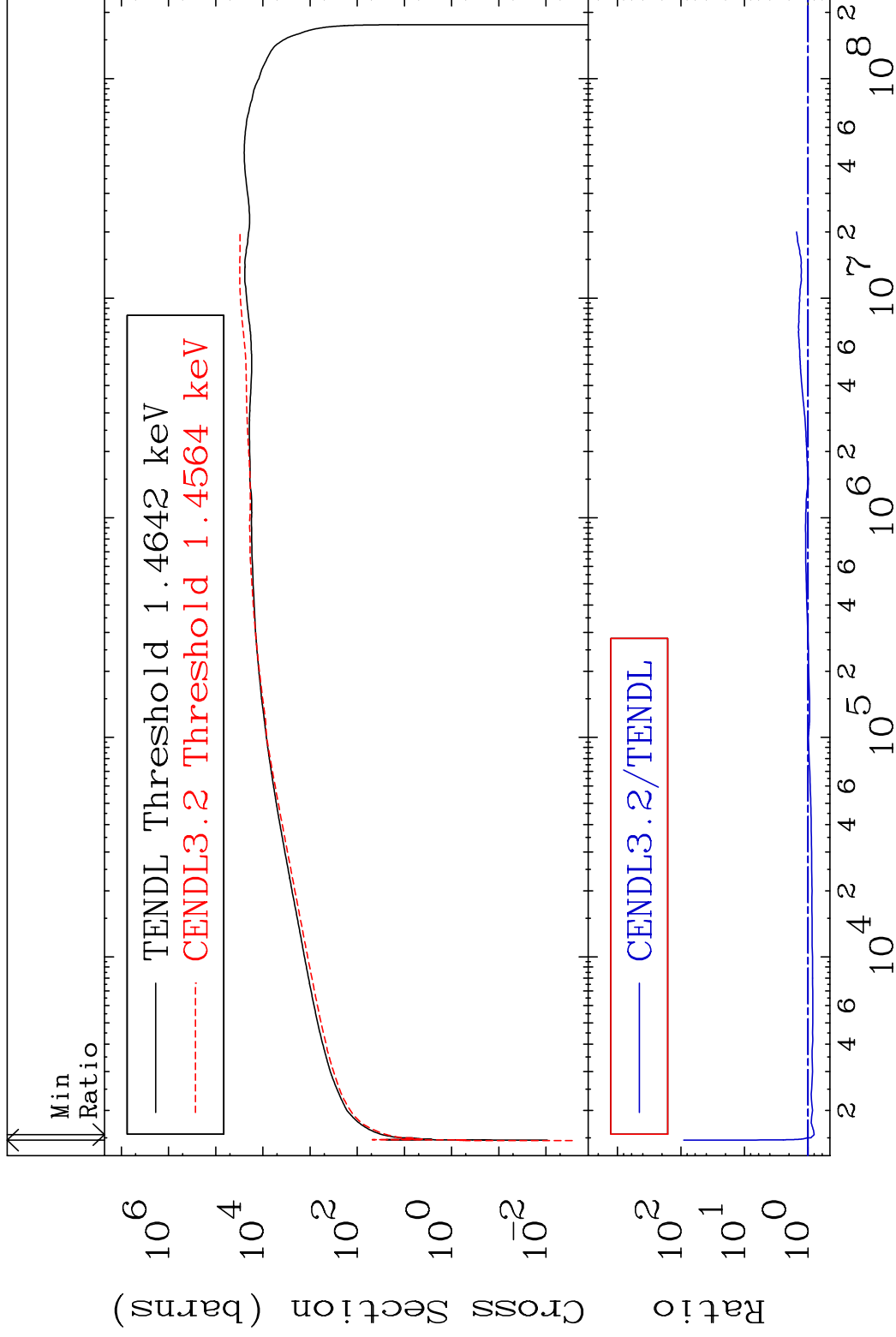
92-U -236

MAT 9231

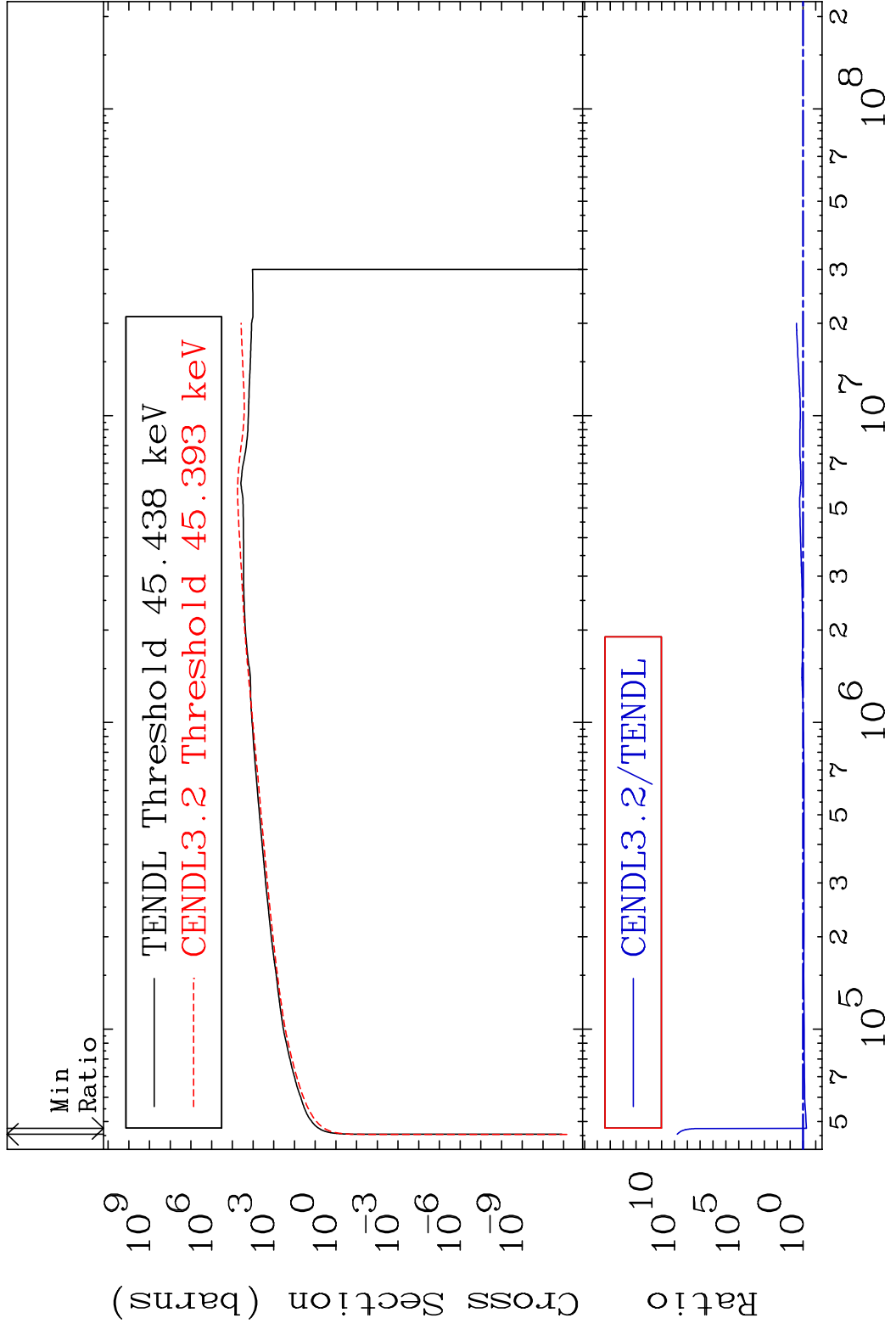
Dpa elastic (mt2)

92-U -236

Cross Section -19.65 To 8984. %



MAT 9231      Dpa inelastic (mt51-91)      92-U -236  
 Cross Section      -46.09 To 9999. %



MAT 9231 Dpa disappearance (mt102 -120) 92-U -236  
 Cross Section 896.7 To 9999. %

