

Program Complot
(Version 2021-1)

by

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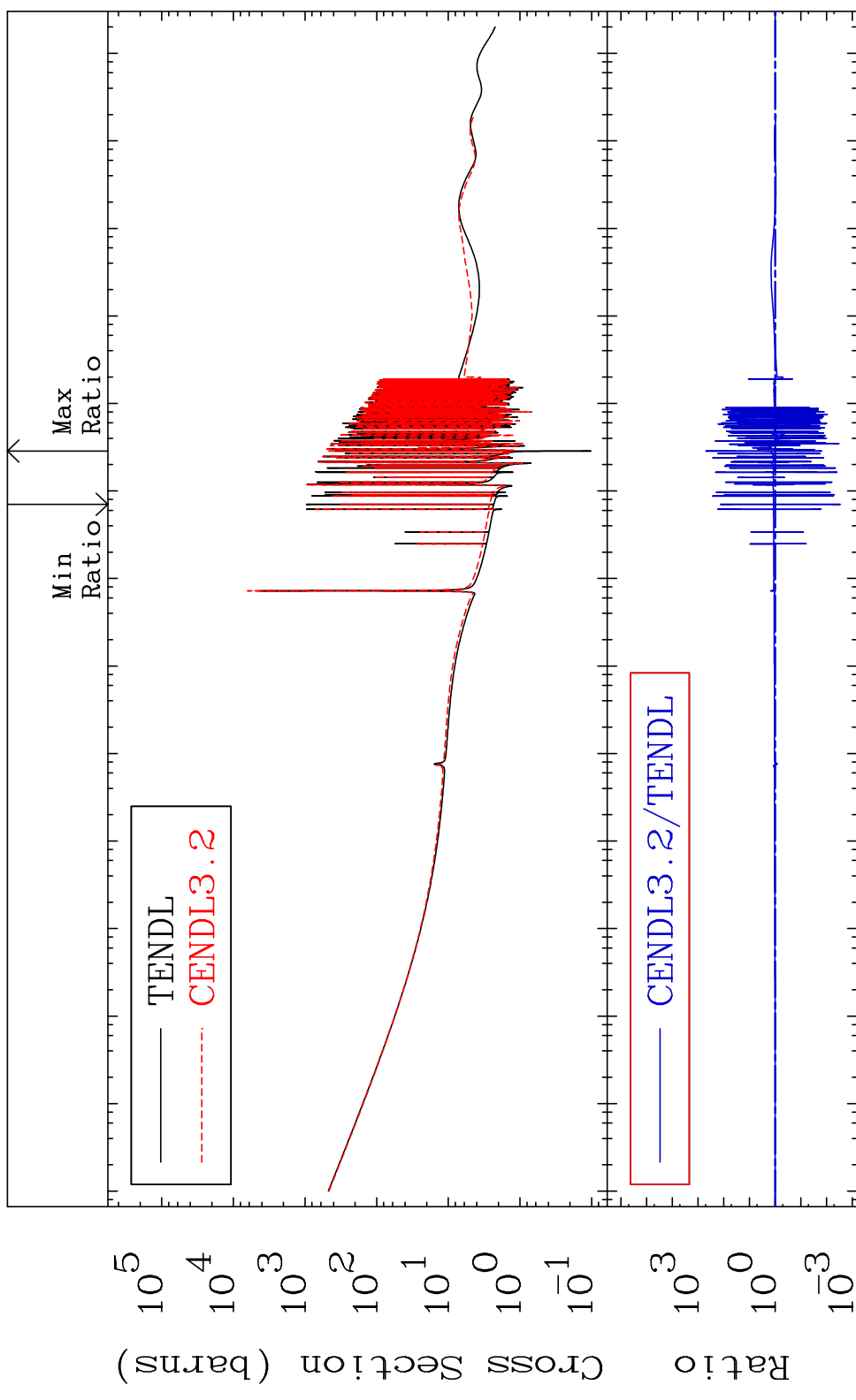
Press Mouse Button to Start

MAT 5728

Total

57-La-139

Cross Section -99.71 To 9999. %



1

Incident Energy (eV)

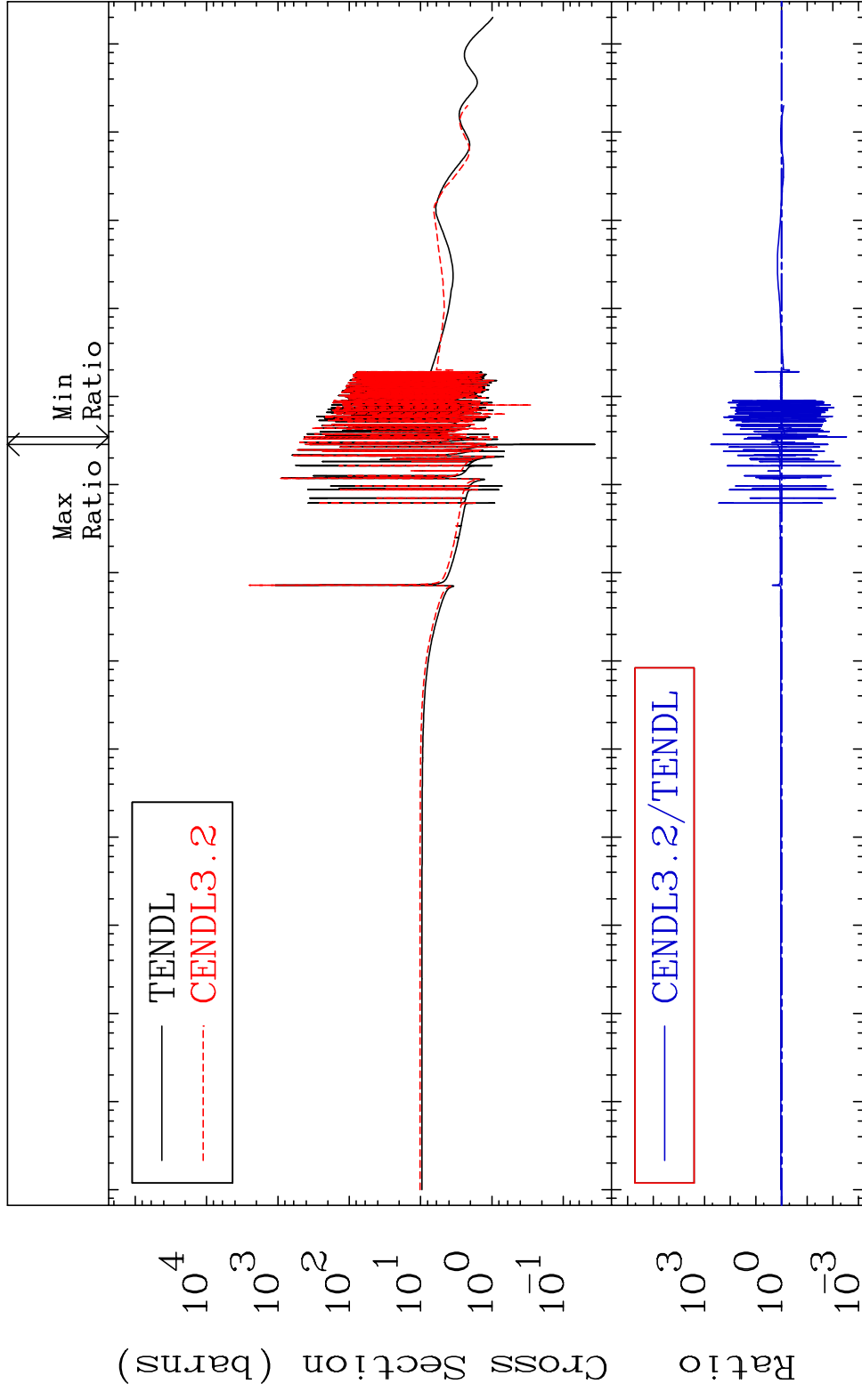
57-La-139

MAT 5728

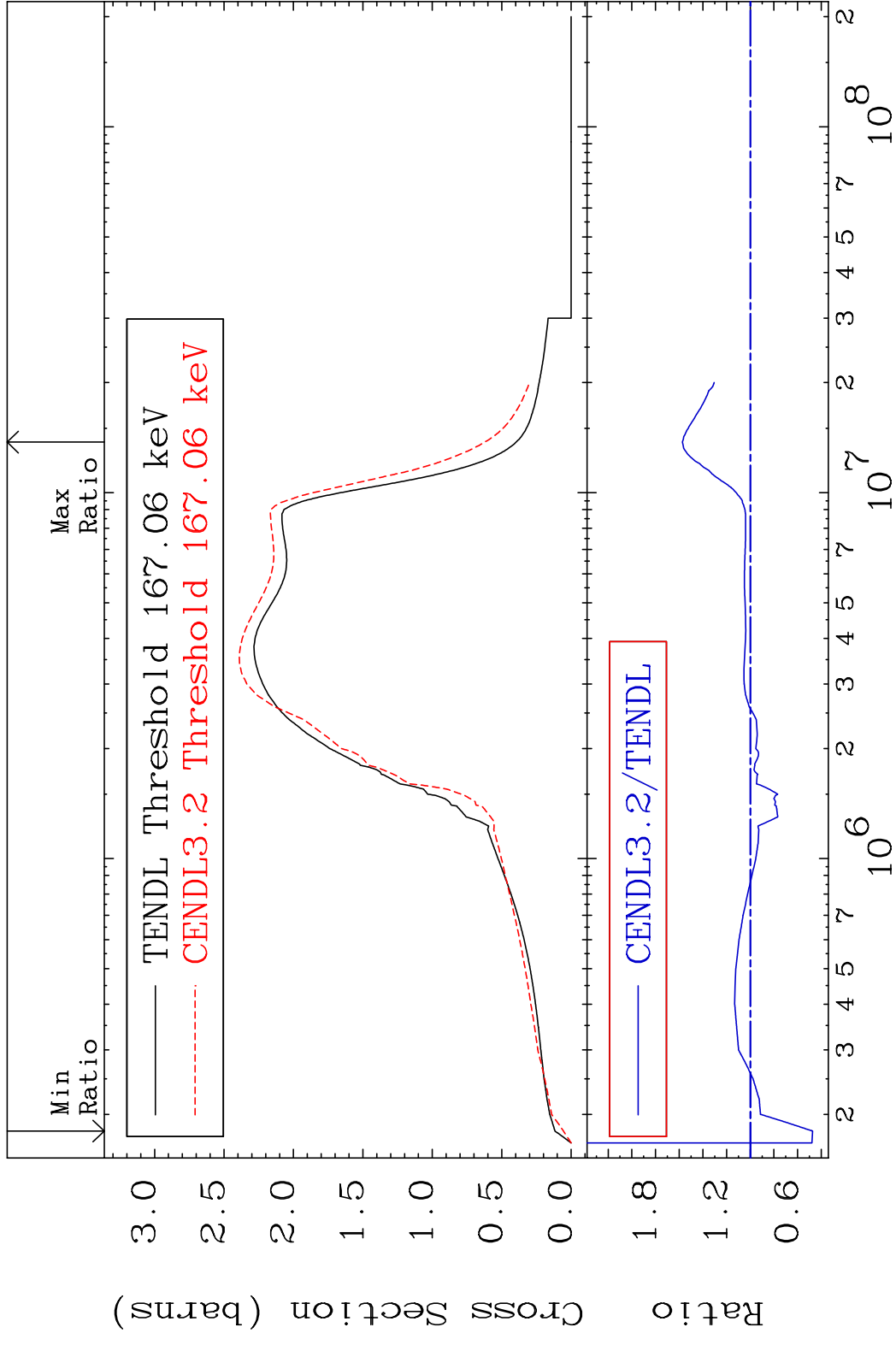
57-La-139

Elastic

Cross Section -99.70 To 9999. %



MAT 5728 Inelastic 57-La-139
 Cross Section -52.62 To 57.35 %

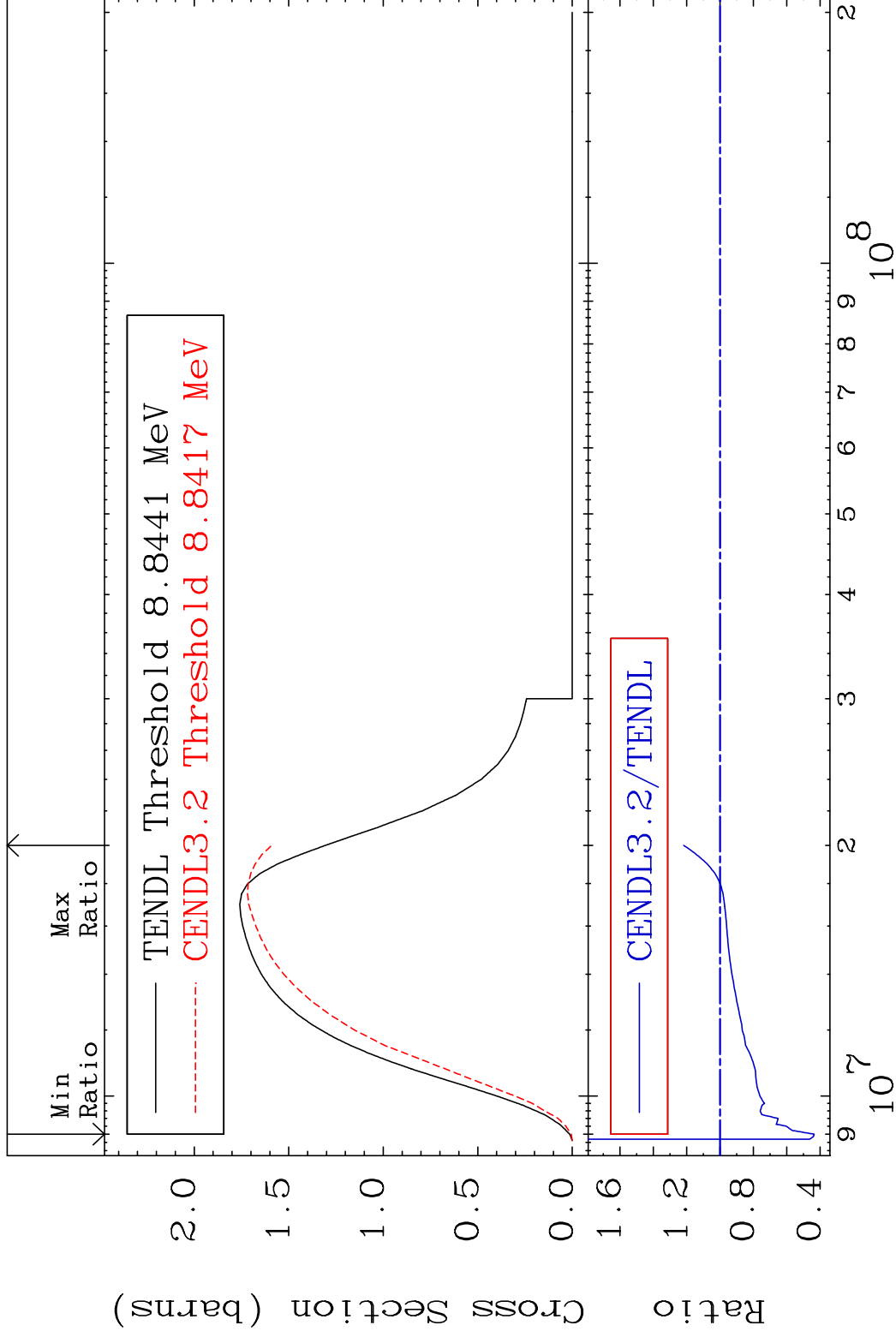


MAT 5728

(n,2n)

57-La-139

Cross Section -56.43 To 21.78 %



4

Incident Energy (eV)

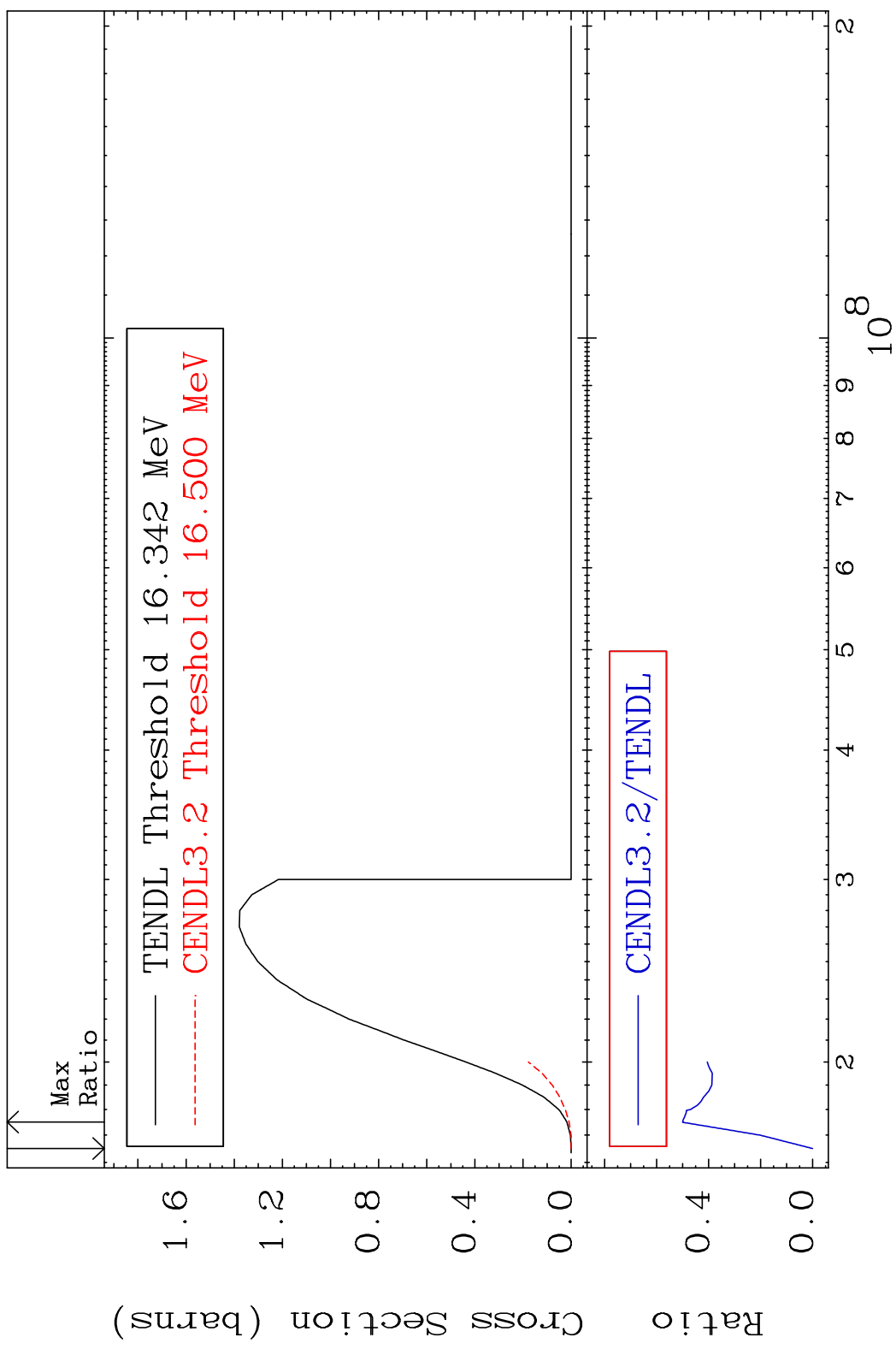
57-La-139

MAT 5728

(n,3n)

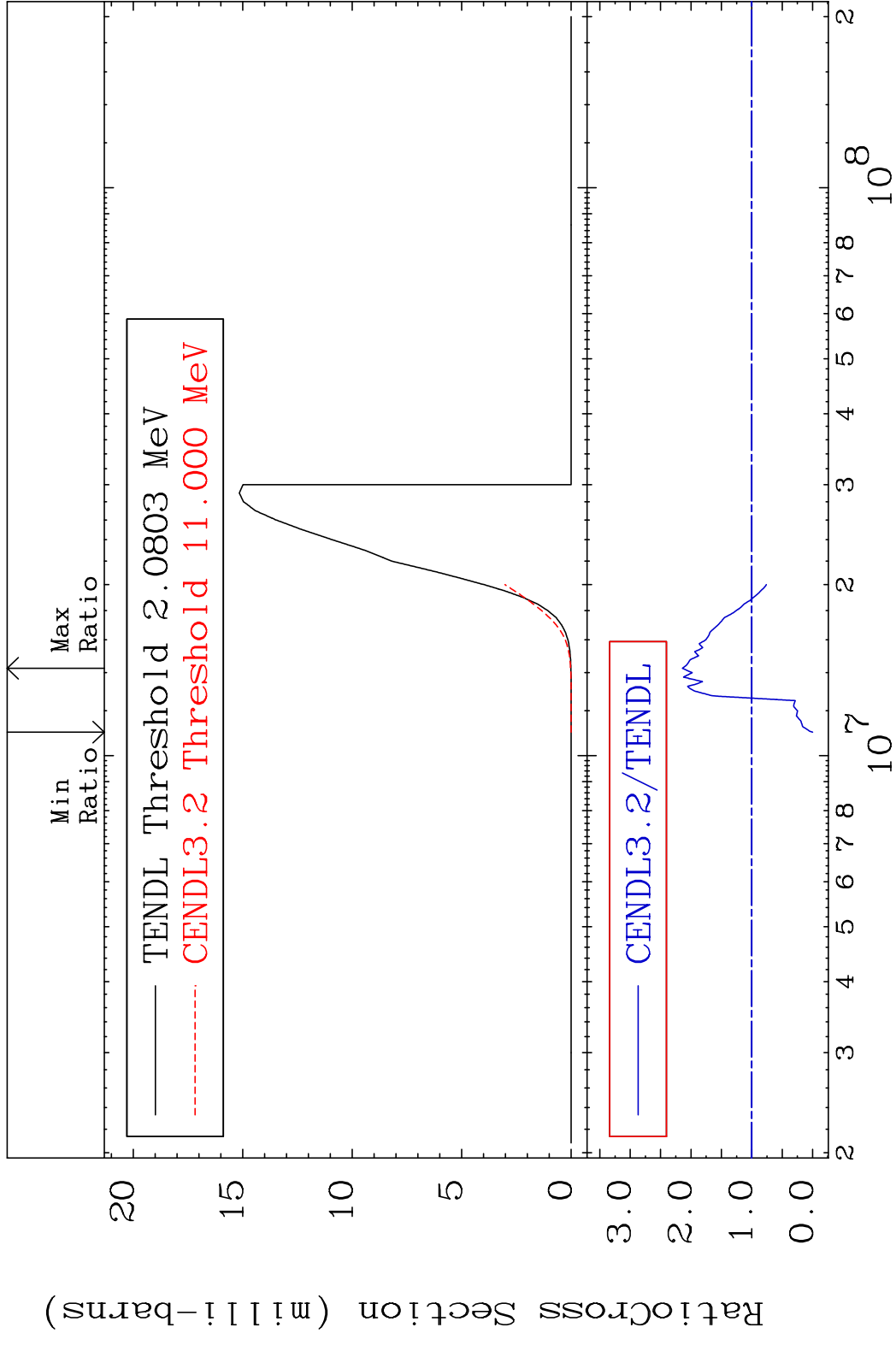
57-La-139

Cross Section -100.0 To -49.88%



MAT 5728

(n, n') α 57-La-139
Cross Section -100.0 To 114.2 %

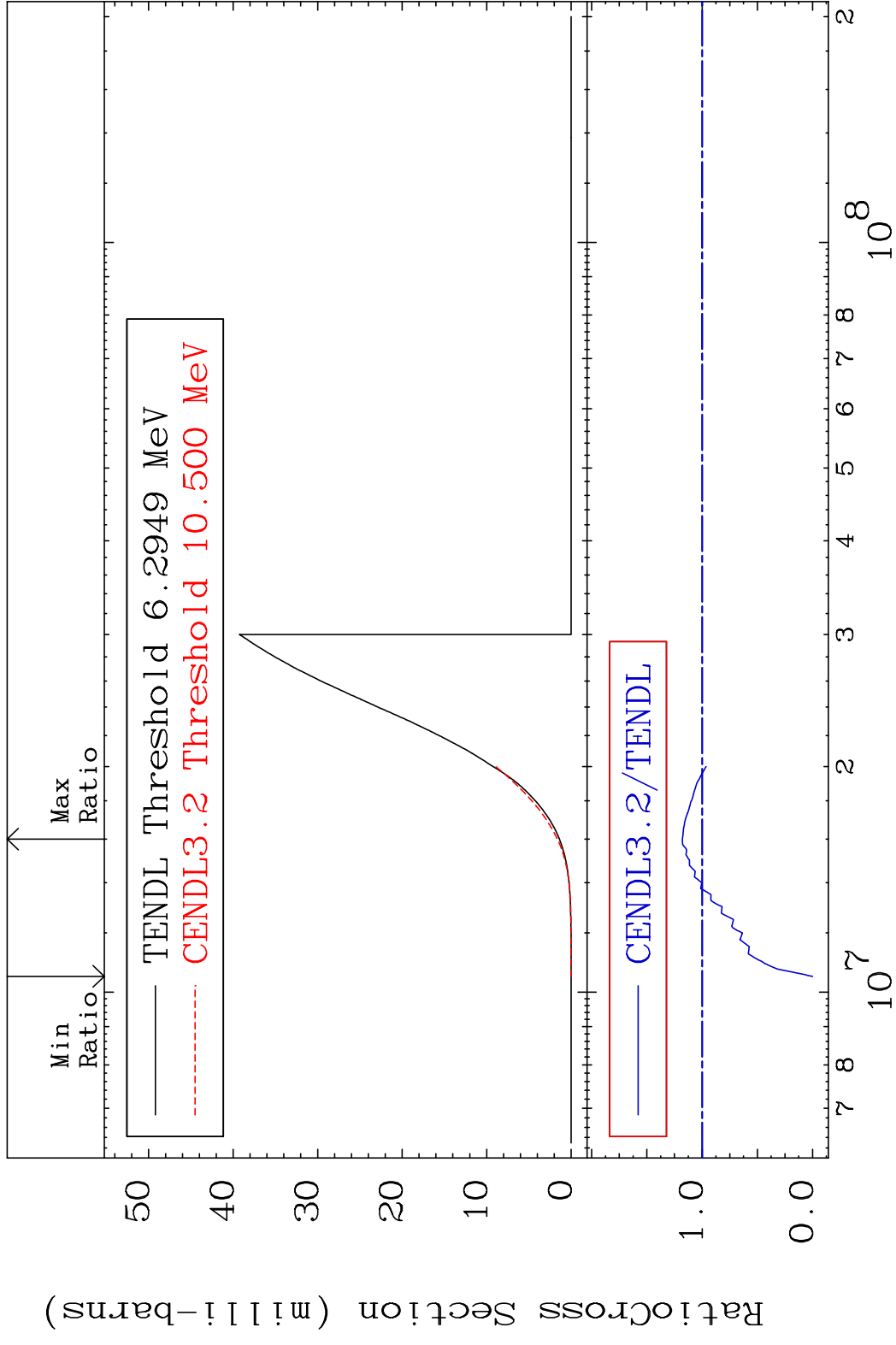


MAT 5728

57-La-139

(n, n') p

Cross Section -100.0 To 17.91 %

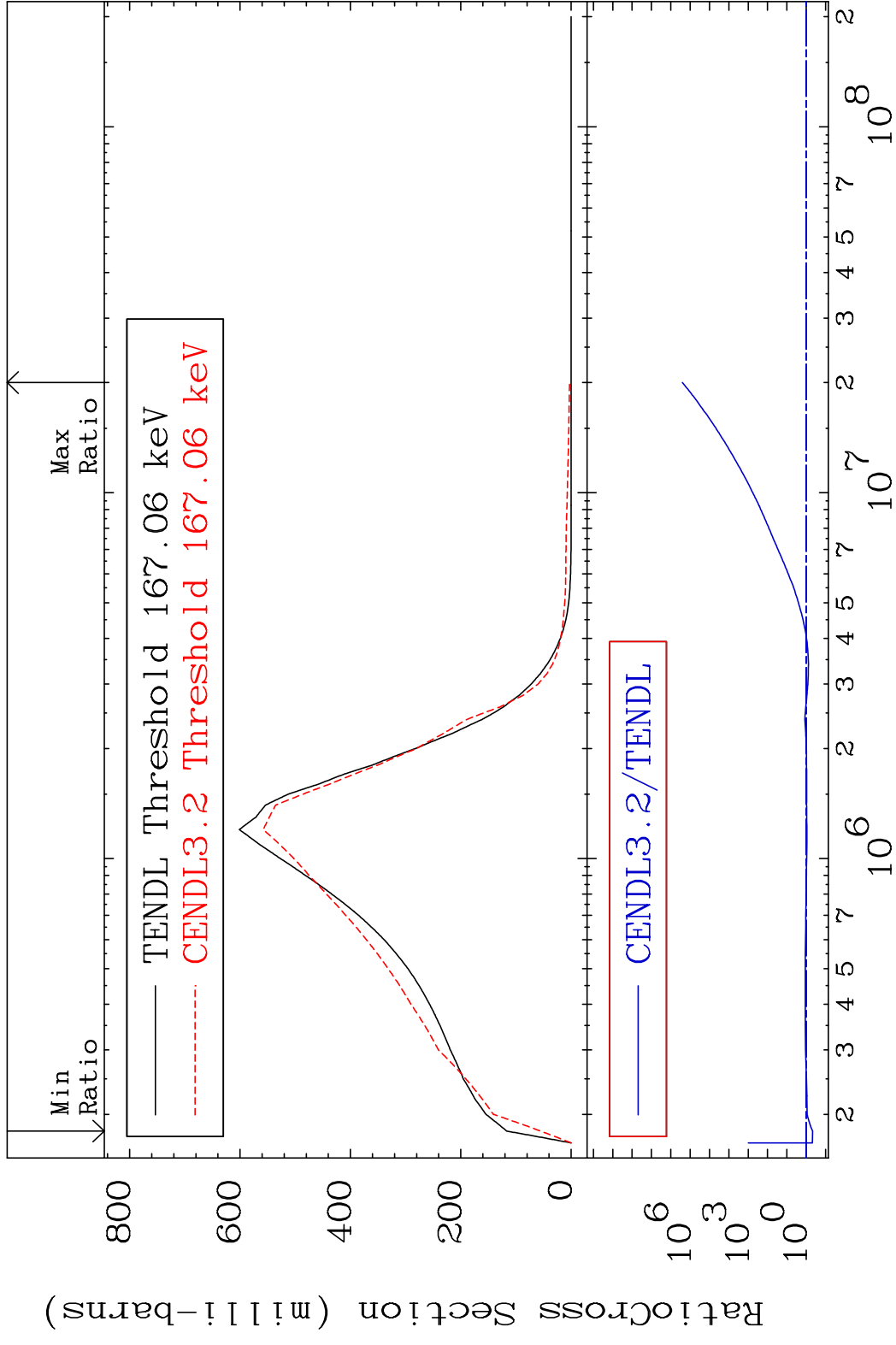


7

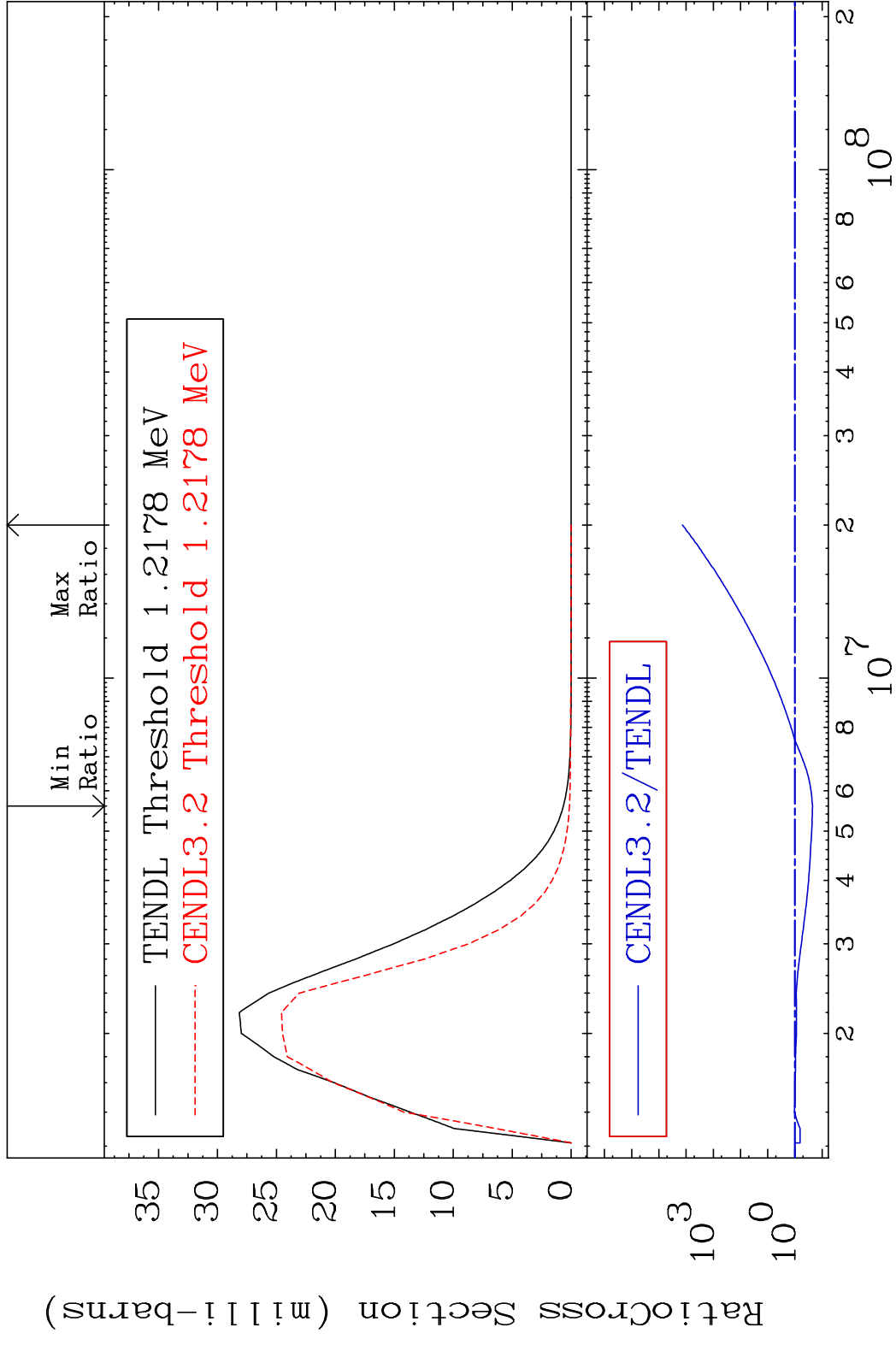
Incident Energy (eV)

57-La-139

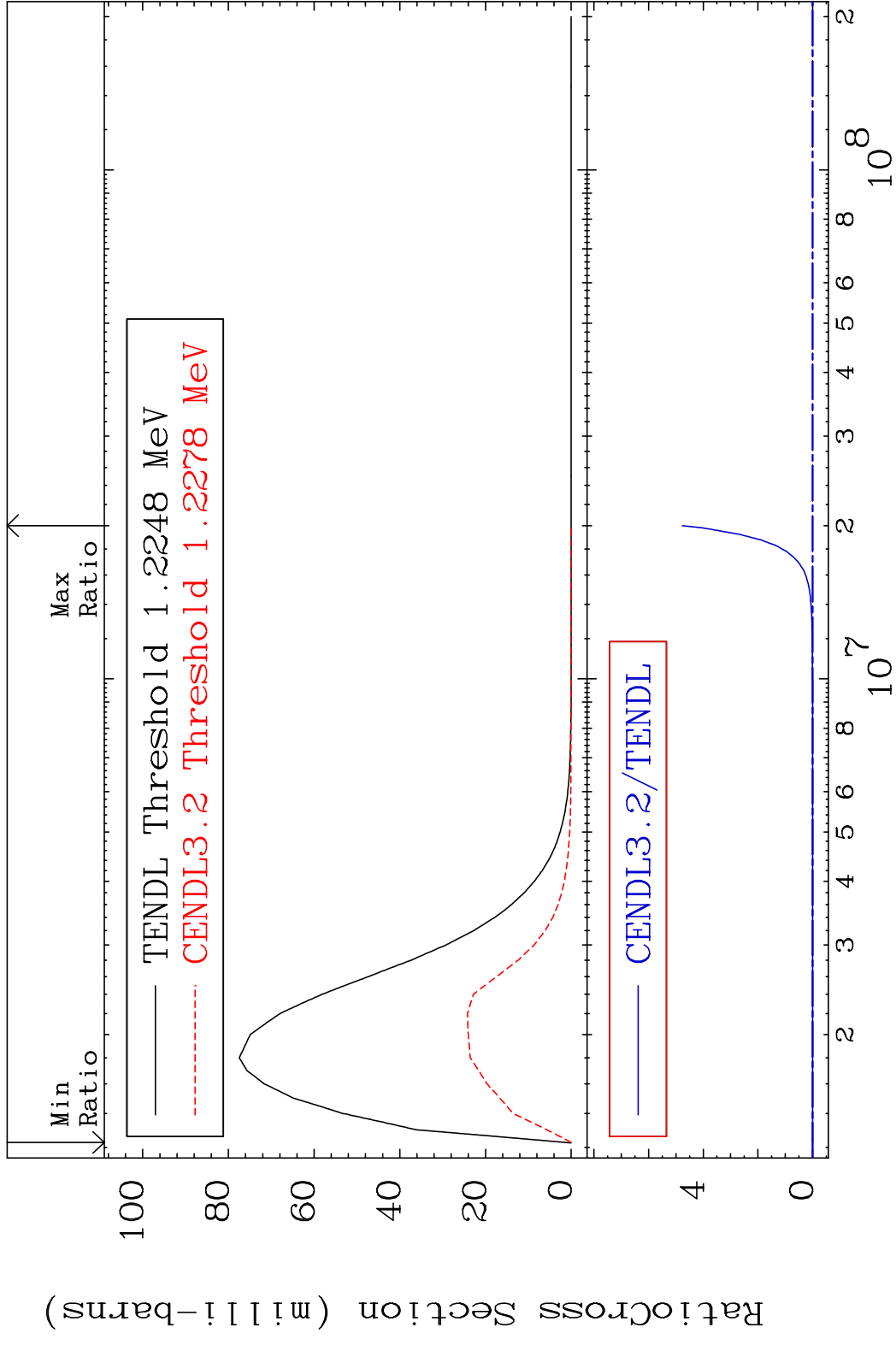
MAT 5728 MT= 51 (n,n') Level 57-La-139
 Cross Section -52.62 To 9999. %



MAT 5728 MT= 52 (n, n') Level 57-La-139
 Cross Section -77.55 To 9999. %

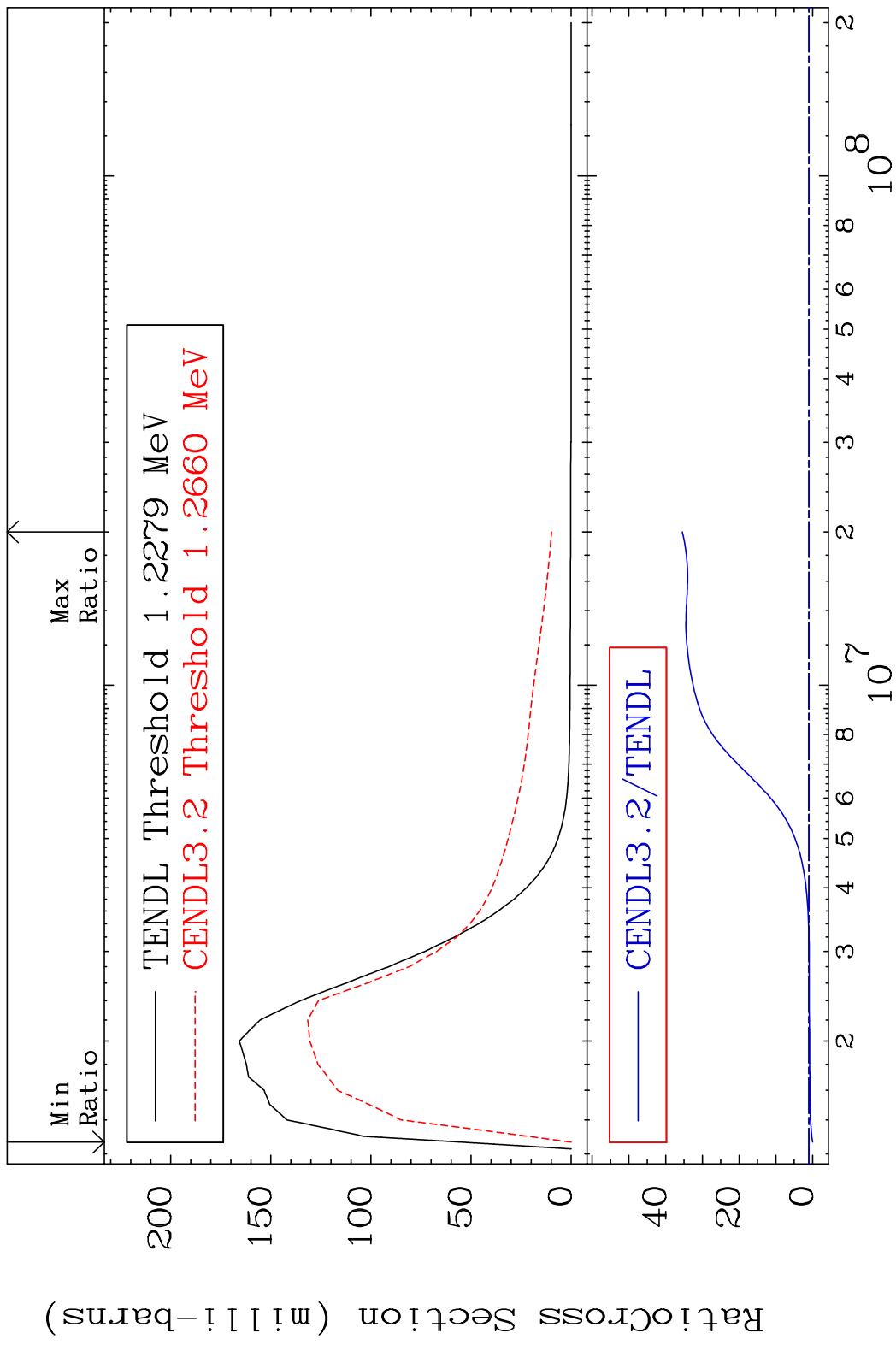


MAT 5728 MT= 53 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %

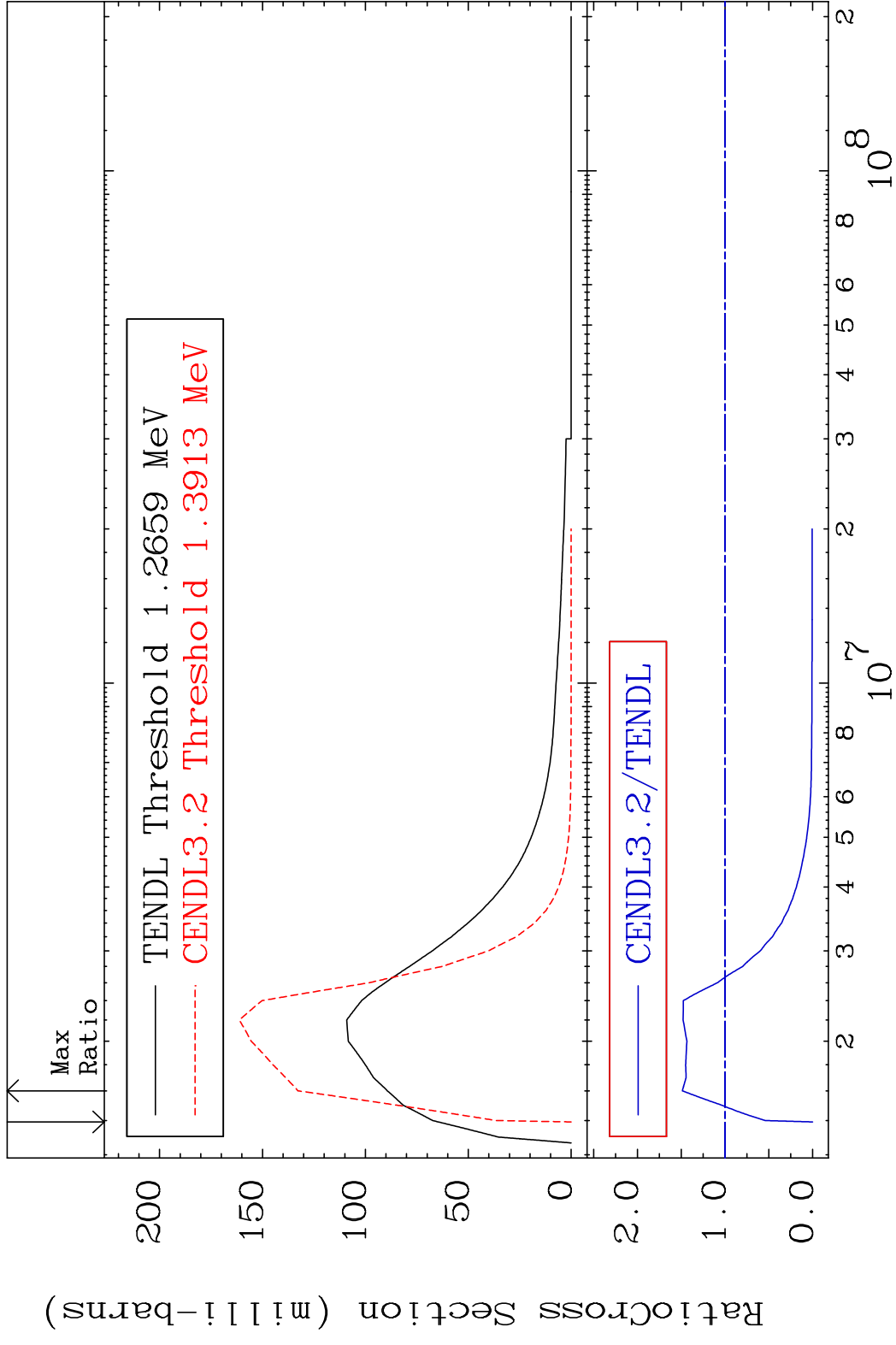


10 Incident Energy (eV) 57-La-139

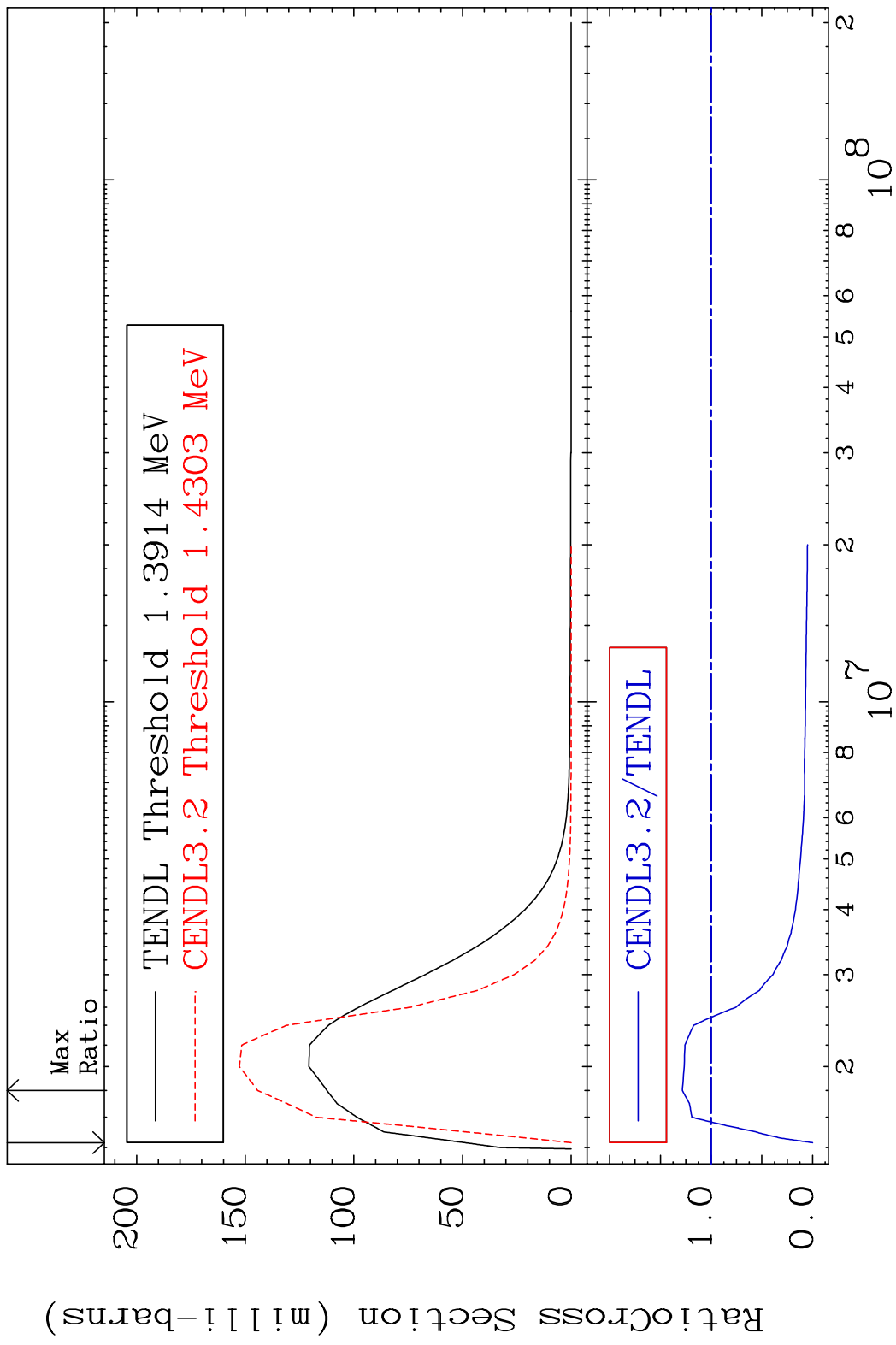
MAT 5728 MT= 54 (n, n') Level 57-La-139
 Cross Section -100.0 To 3445. %



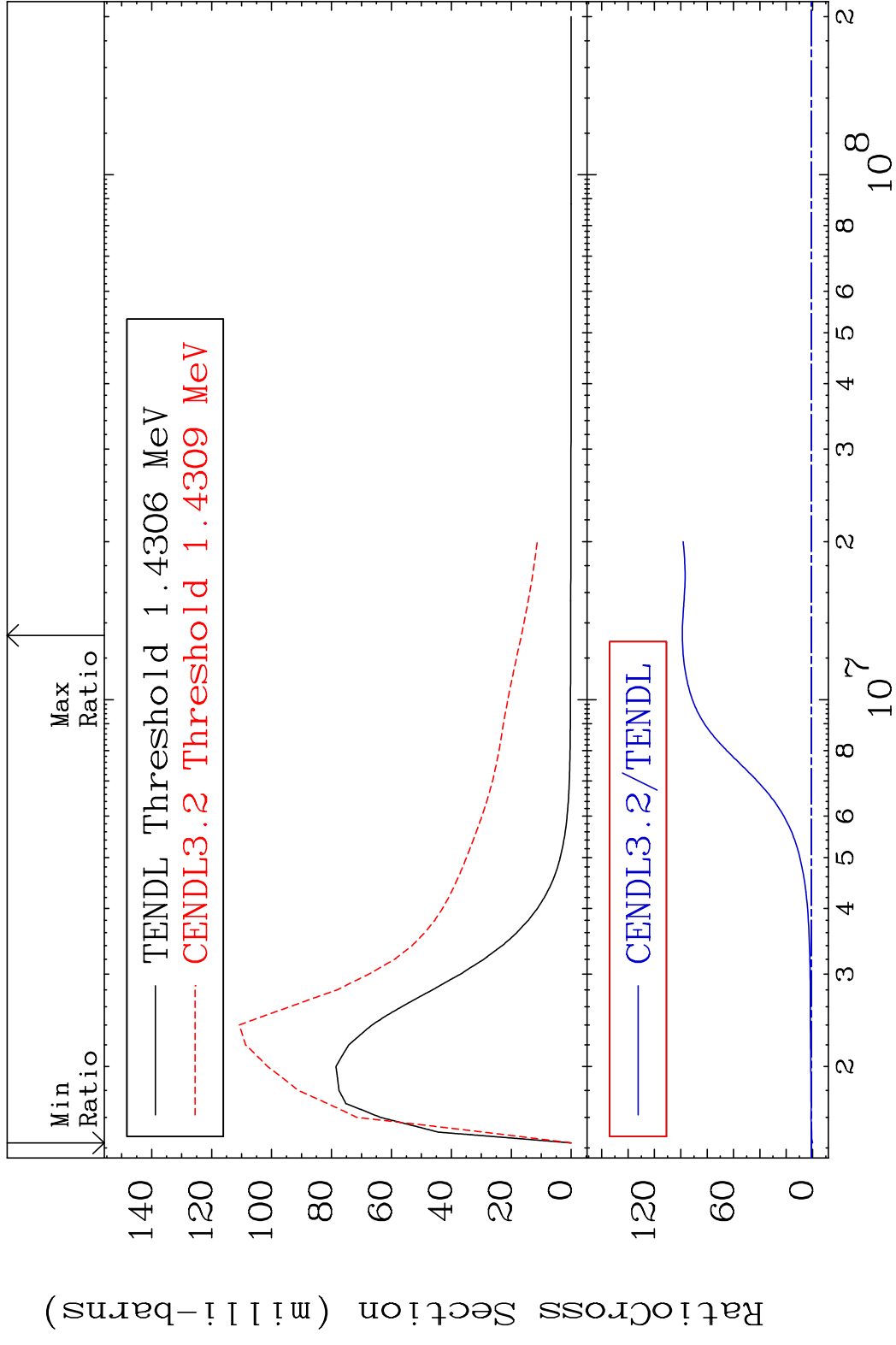
MAT 5728 MT= 55 (n, n') Level 57-La-139
 Cross Section -100.0 To 48.67 %



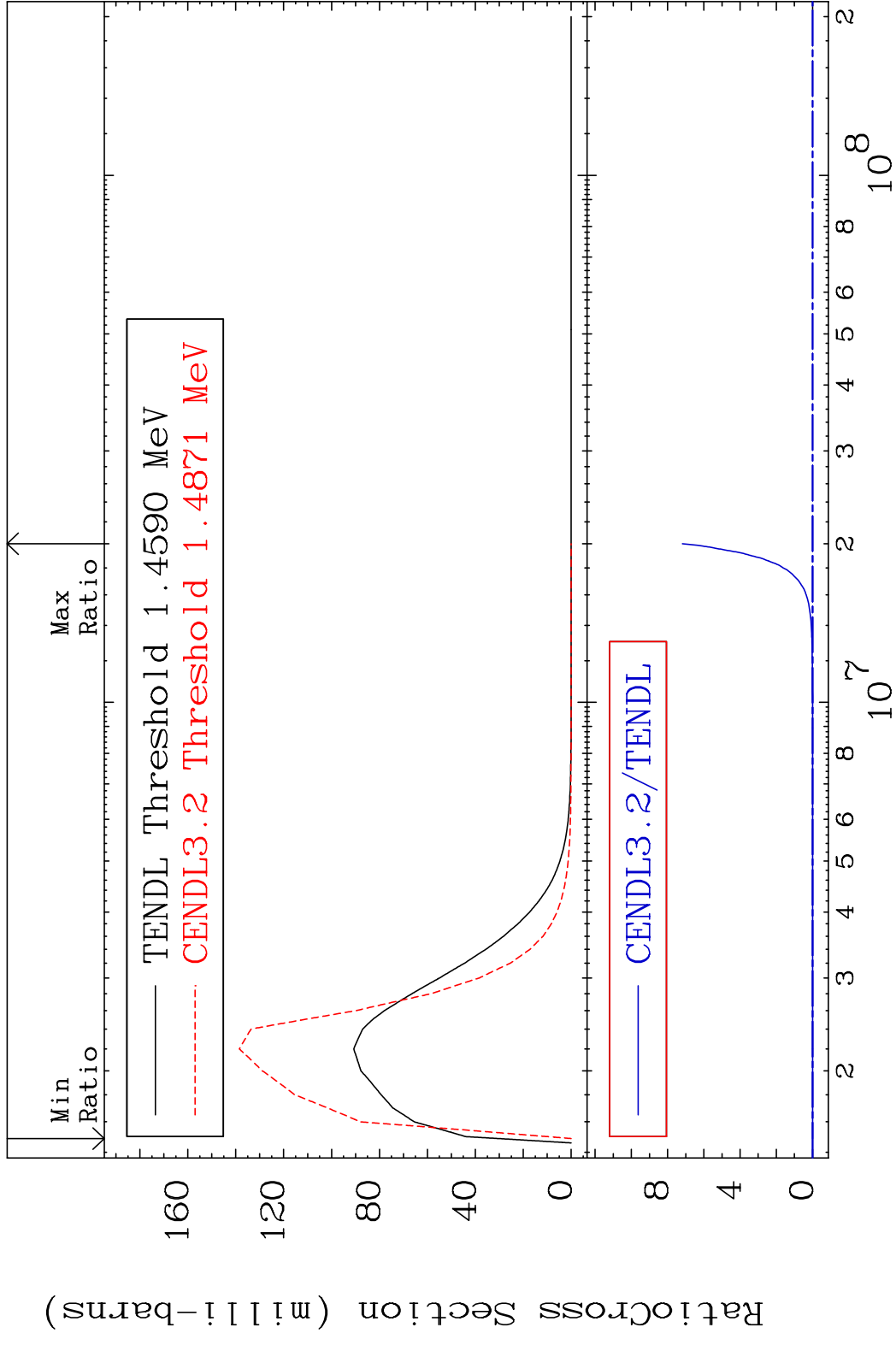
MAT 5728 MT= 56 (n,n') Level 57-La-139
 Cross Section -100.0 To 28.37 %



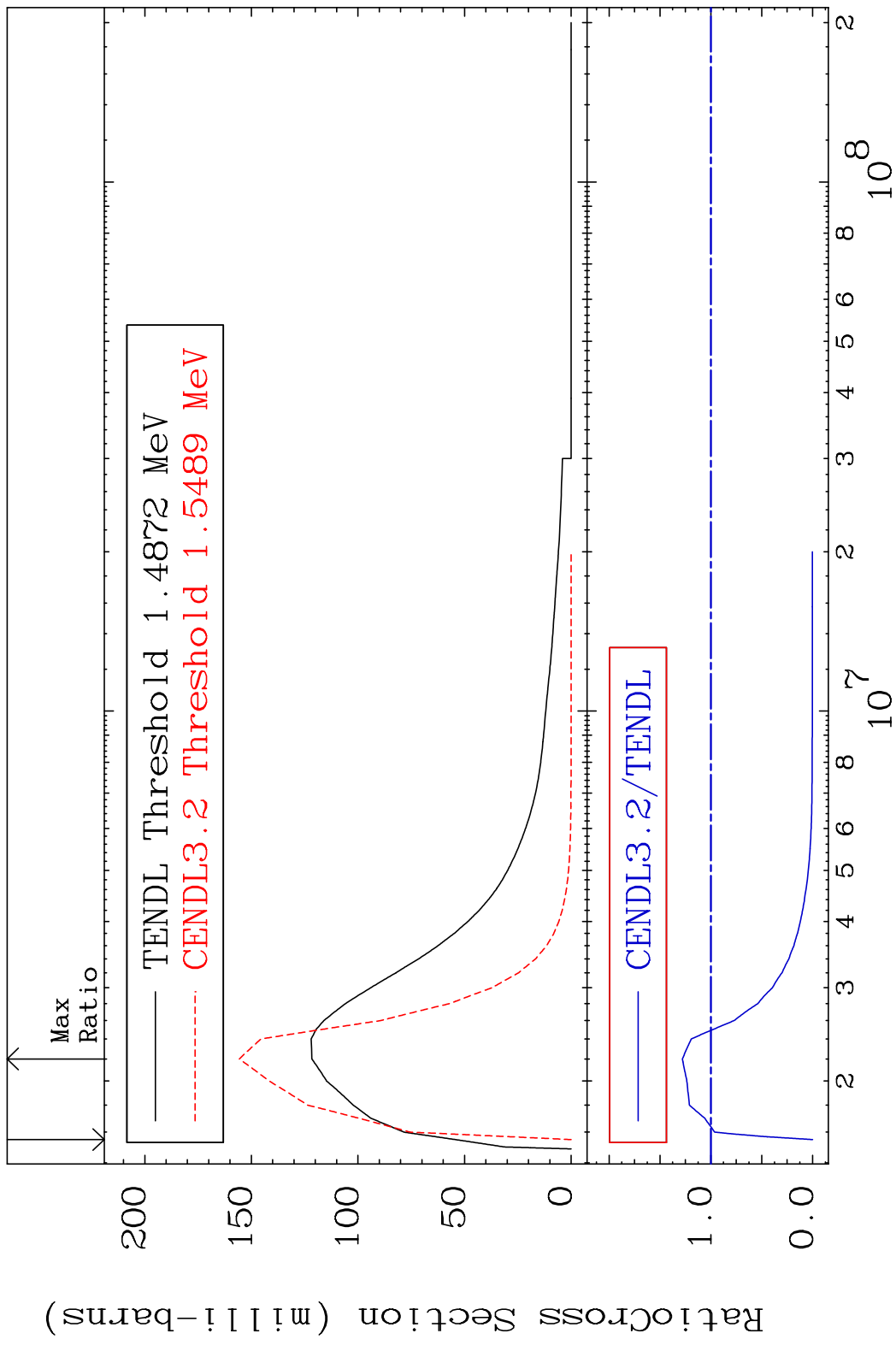
MAT 5728 MT= 57 (n, n') Level 57-La-139
 Cross Section -100.0 To 9782. %



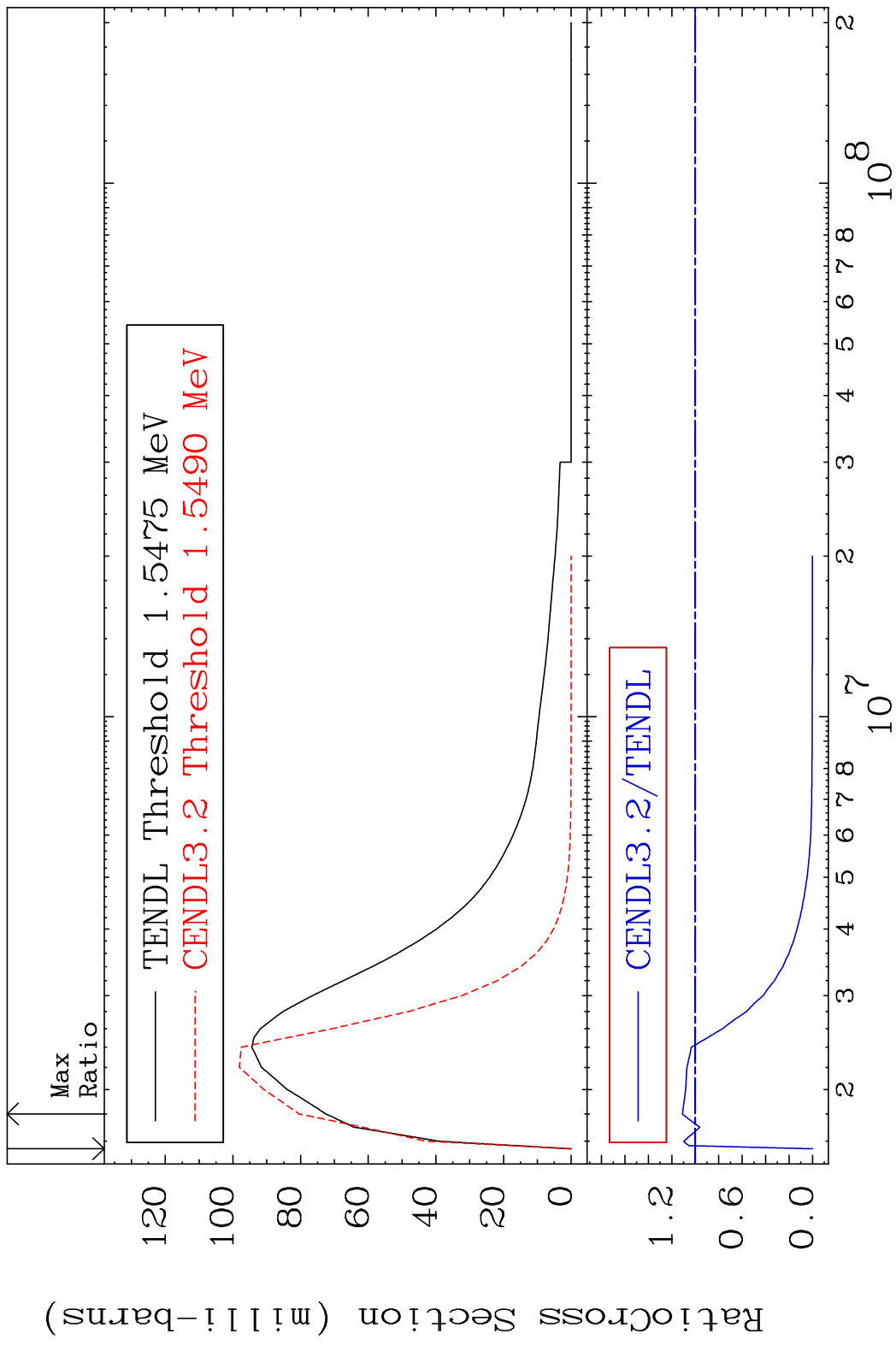
MAT 5728 MT= 58 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



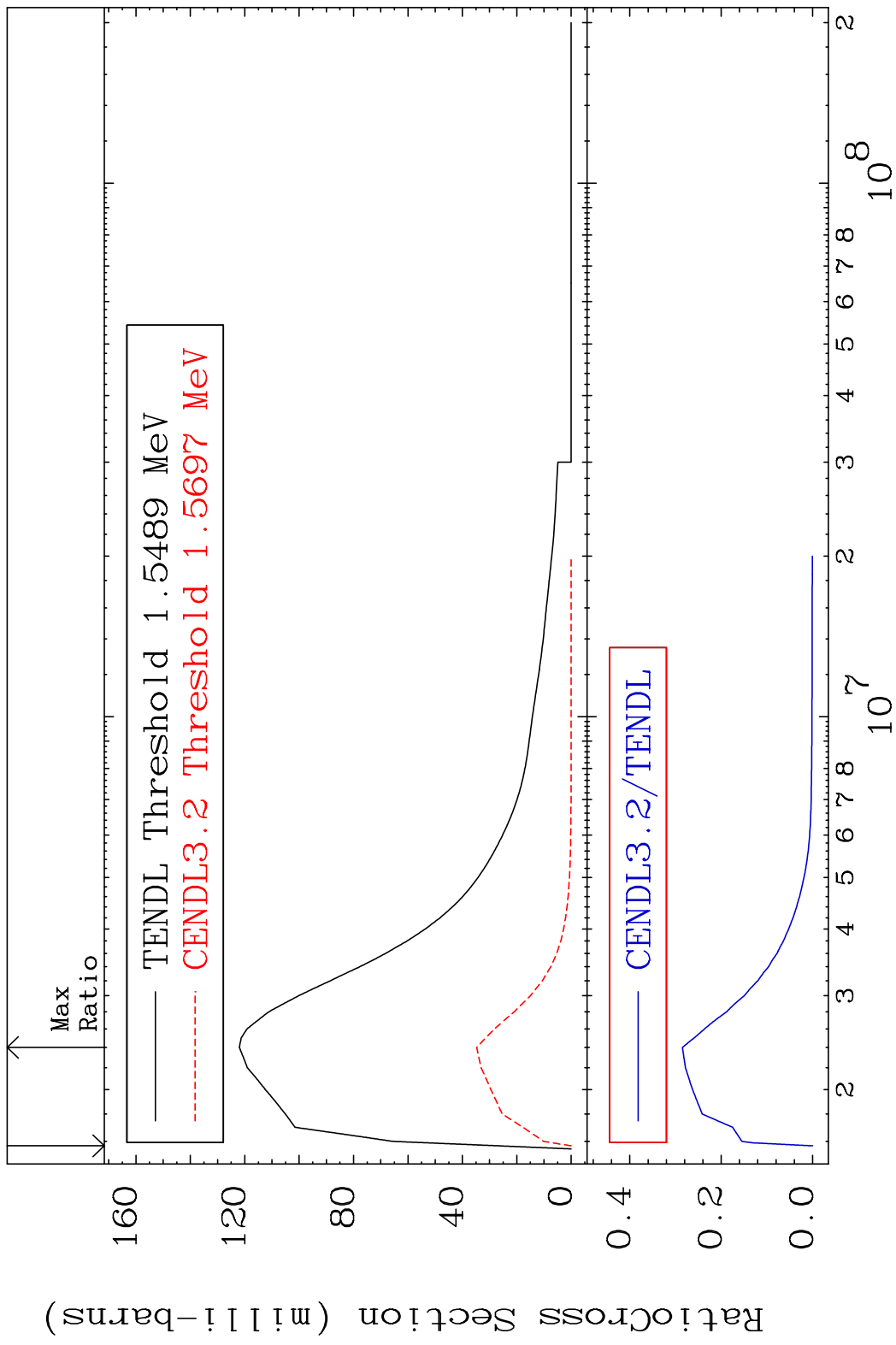
MAT 5728 MT= 59 (n, n') Level 57-La-139
 Cross Section -100.0 To 28.00 %



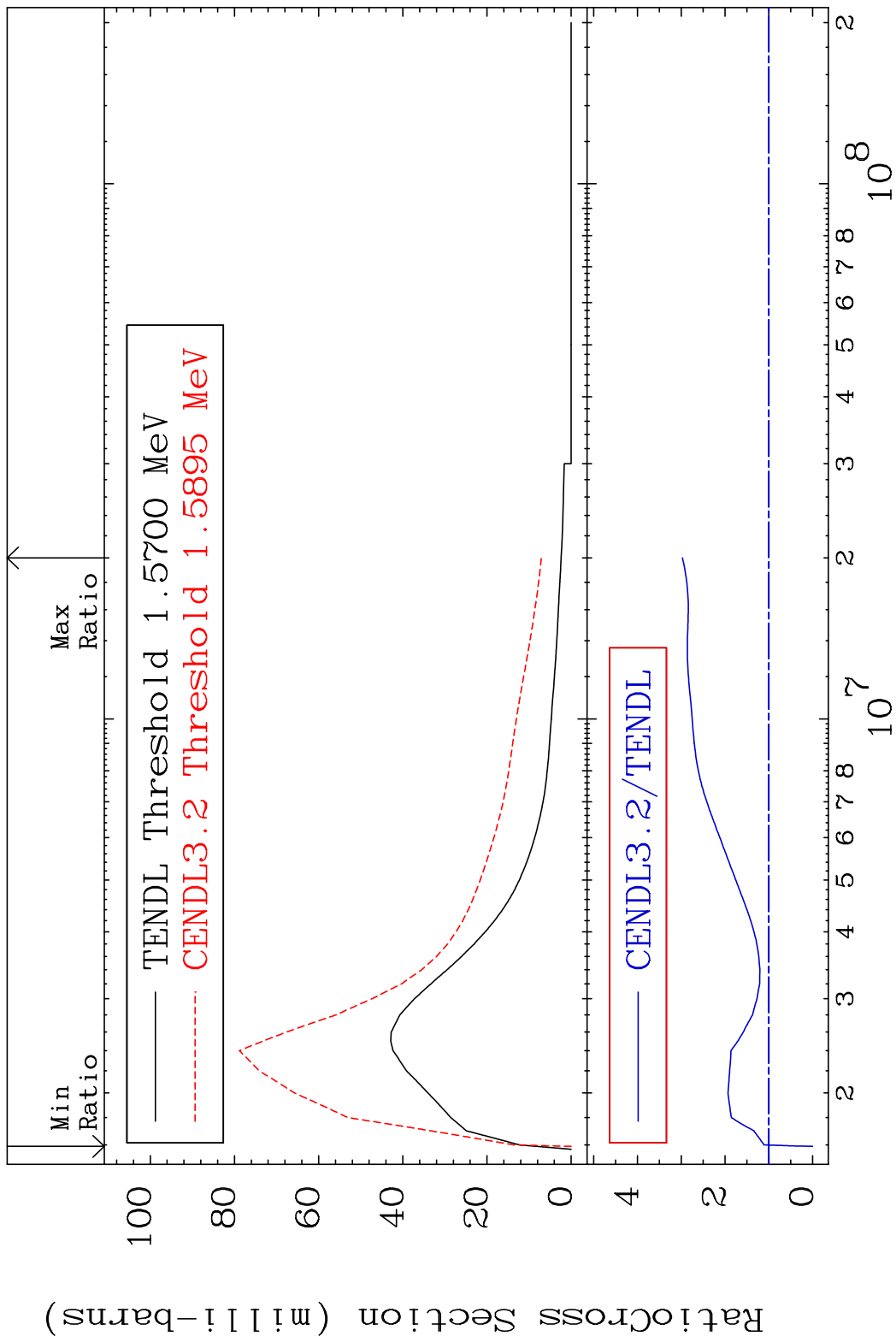
MAT 5728 MT= 60 (n,n') Level 57-La-139
 Cross Section -100.0 To 11.02 %



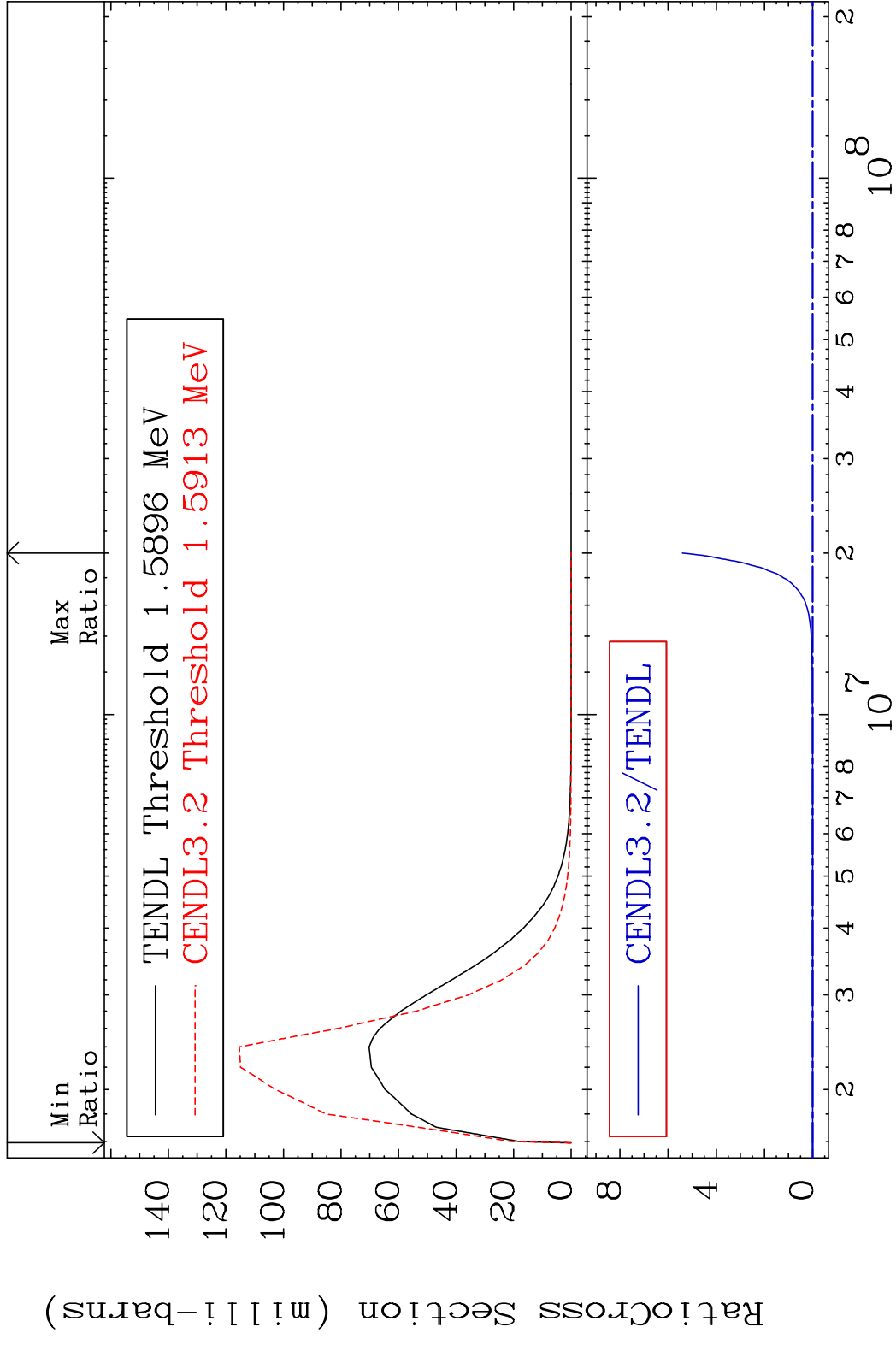
MAT 5728 MT= 61 (n,n') Level 57-La-139
 Cross Section -100.0 To -71.50%



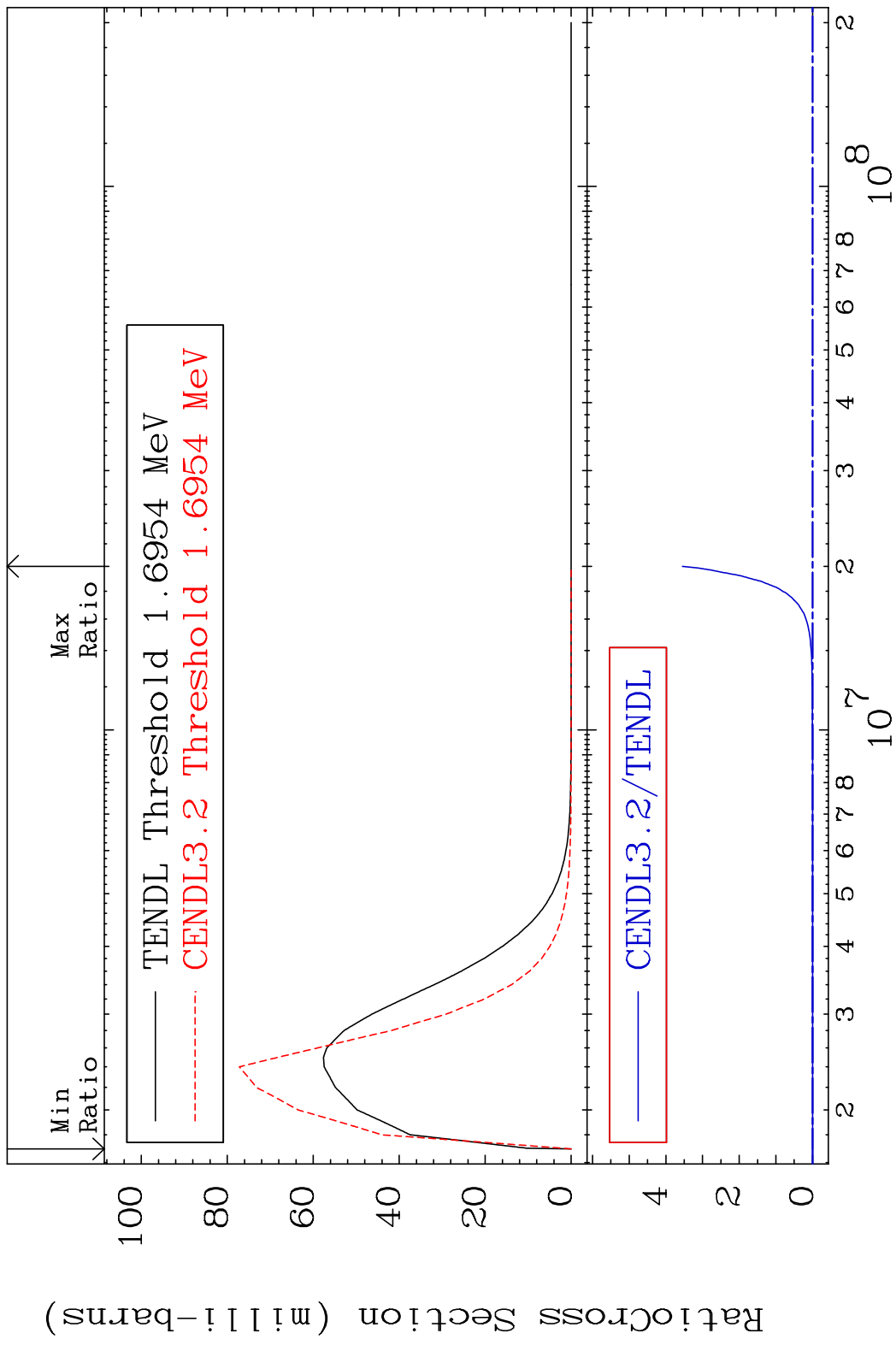
MAT 5728 MT= 62 (n, n') Level 57-La-139
 Cross Section -100.0 To 197.6 %



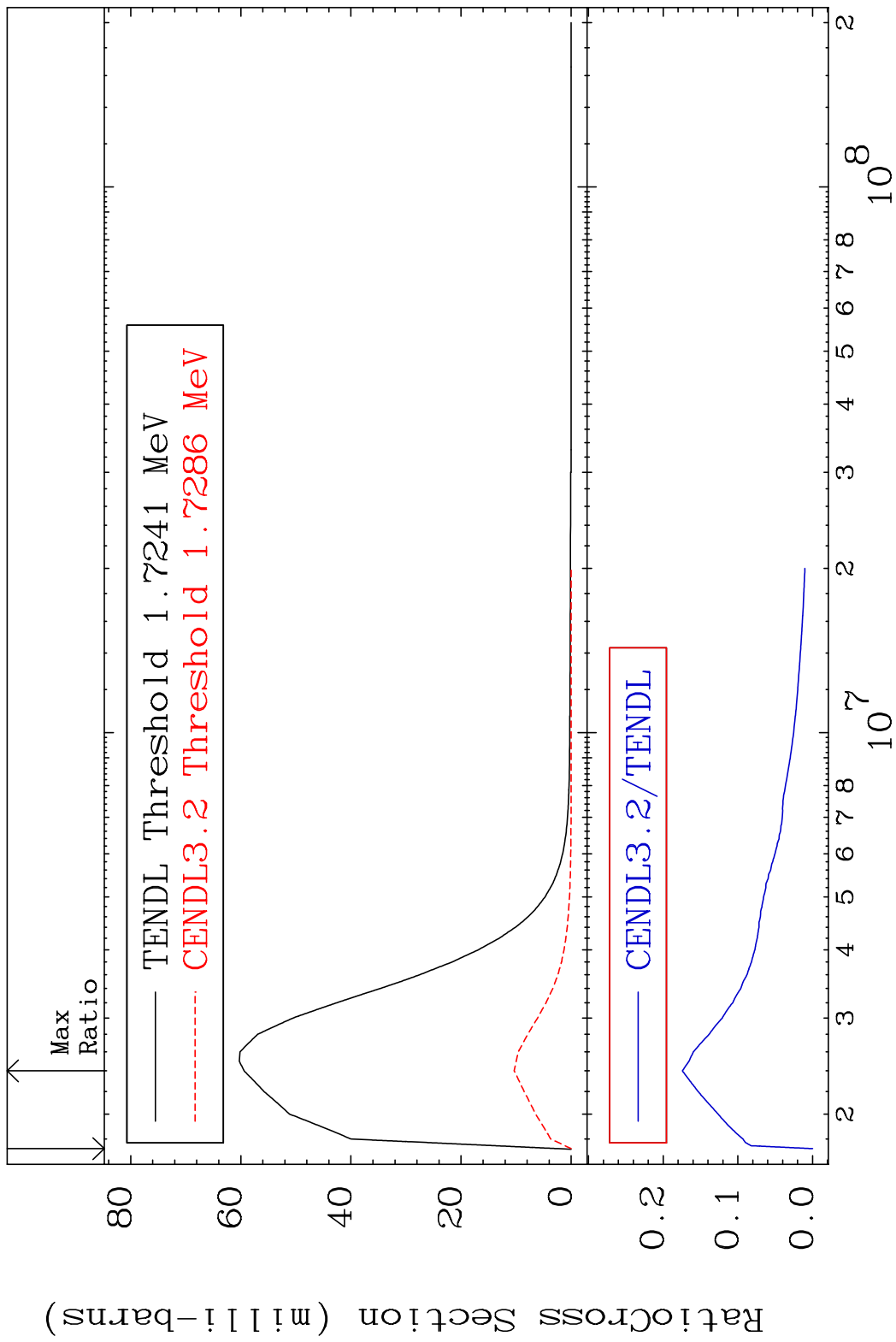
MAT 5728 MT= 63 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



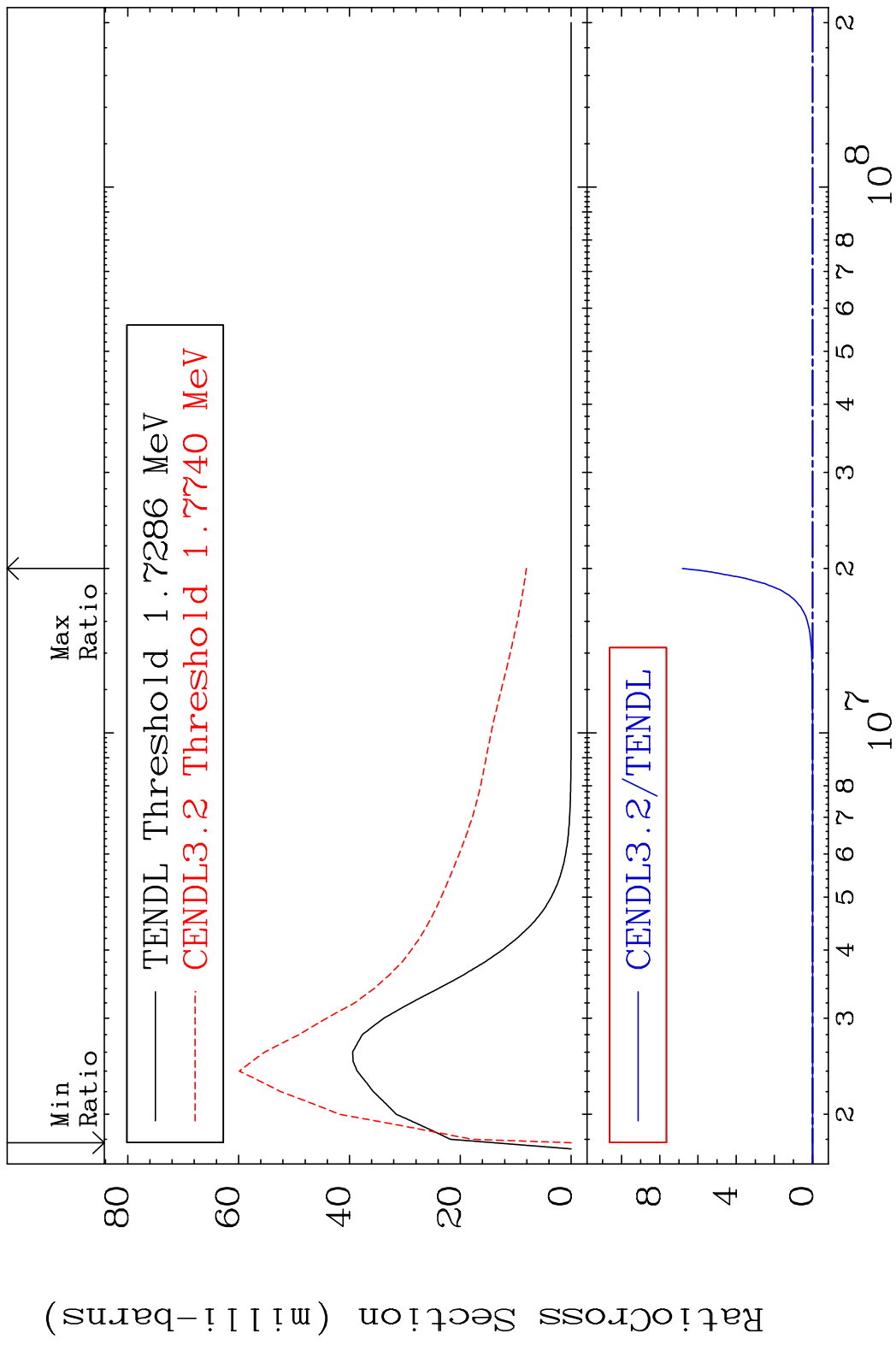
MAT 5728 MT= 64 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



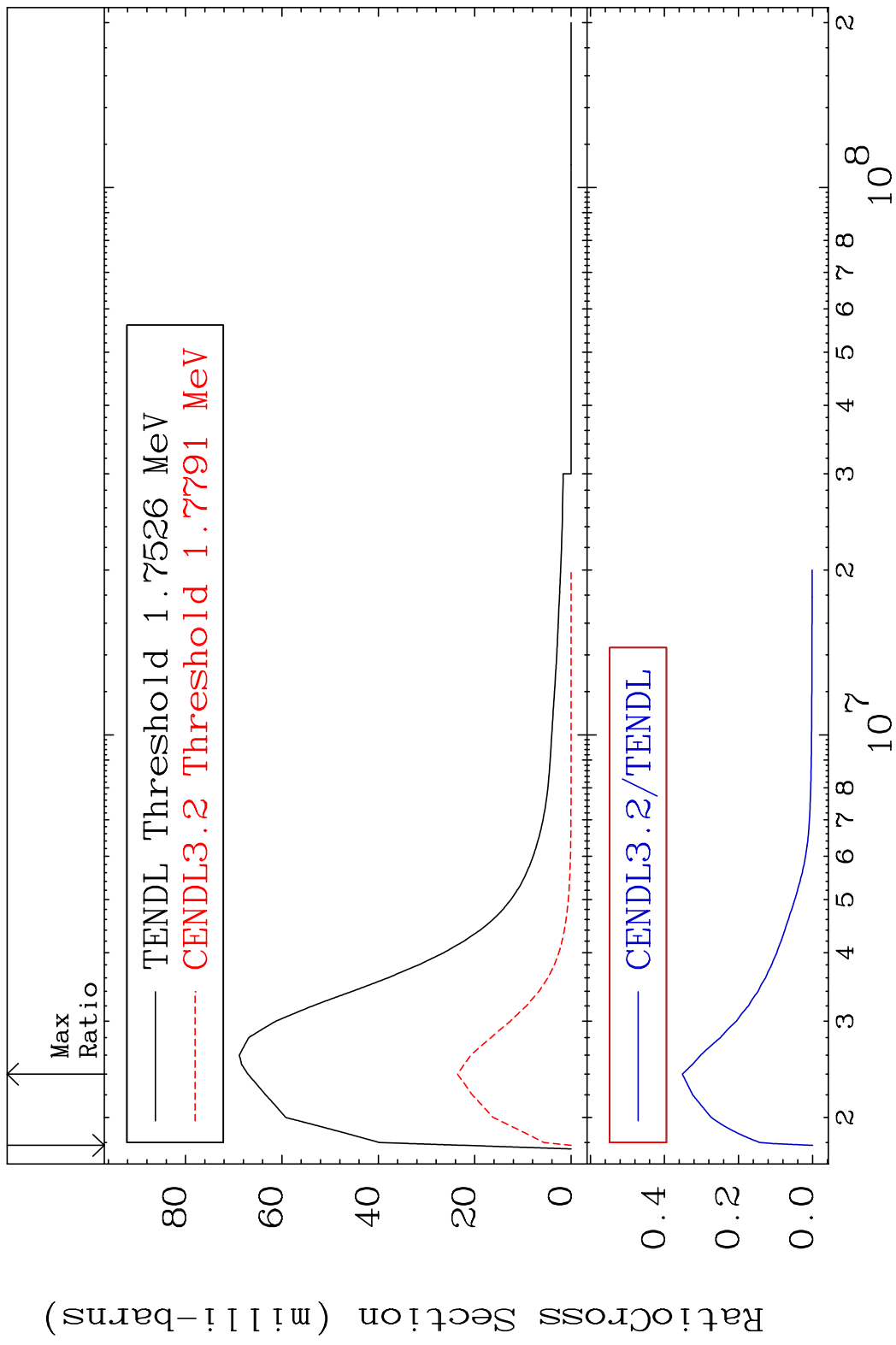
MAT 5728 MT= 65 (n,n') Level 57-La-139
 Cross Section -100.0 To -82.57%



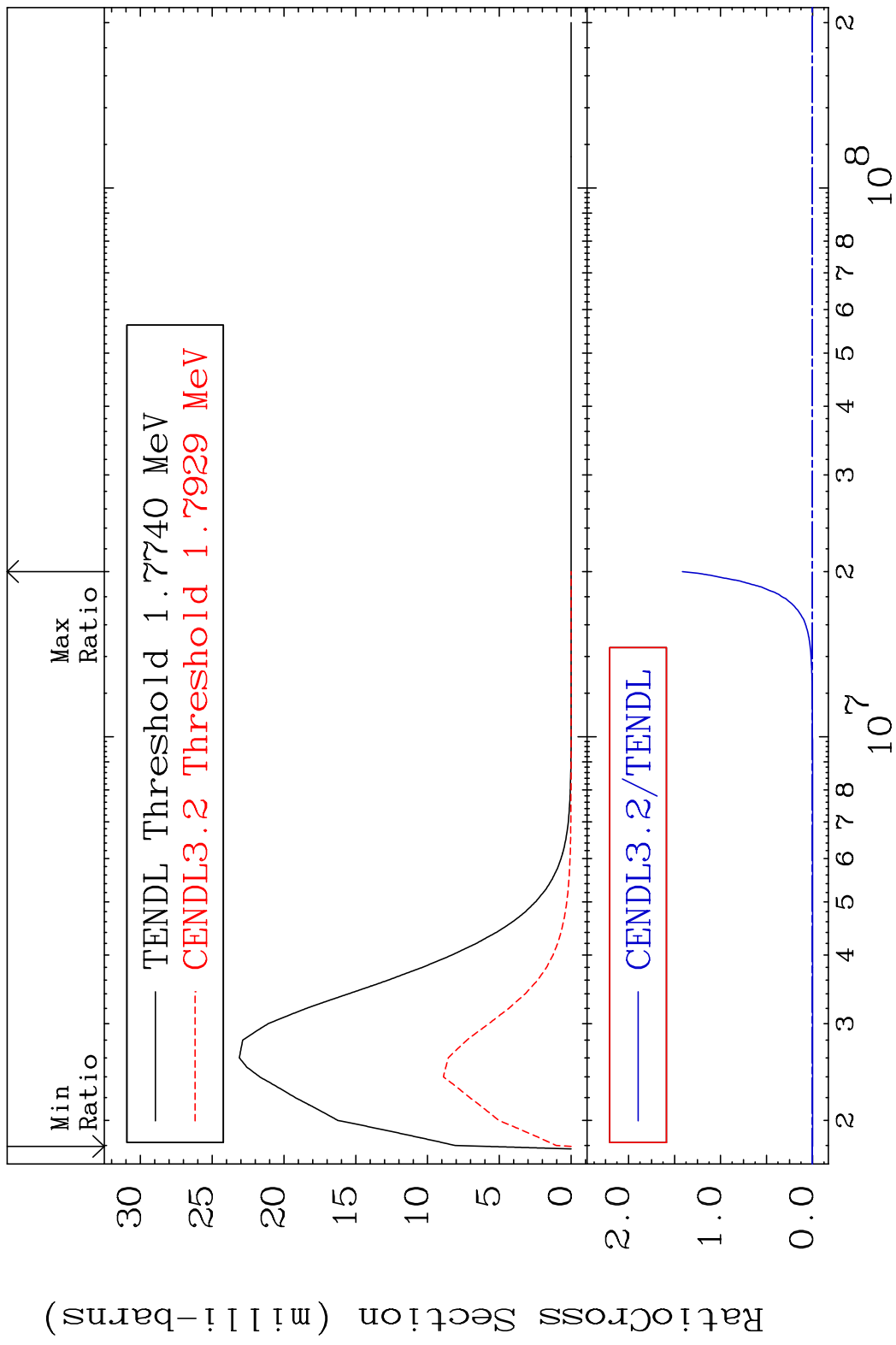
MAT 5728 MT= 66 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



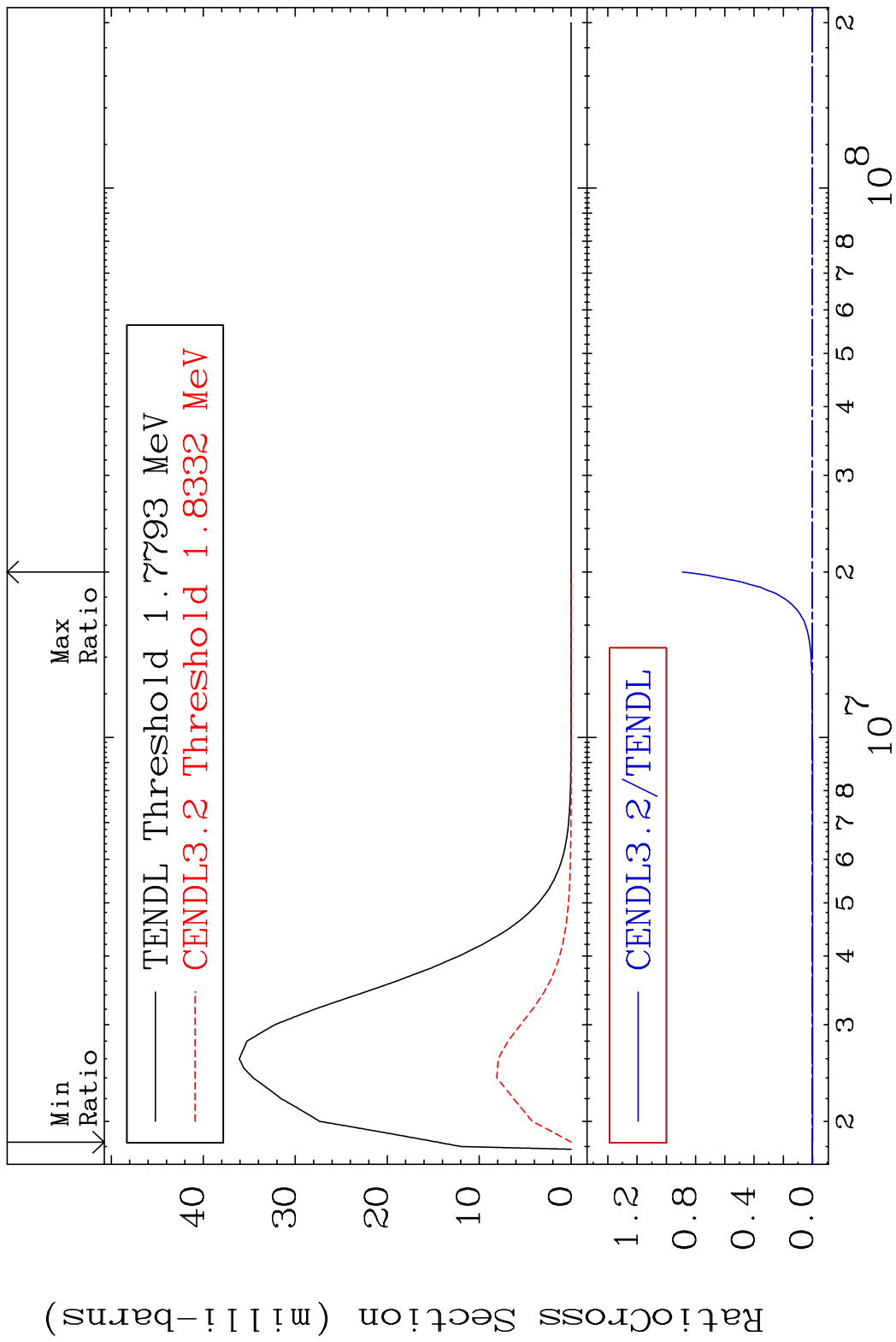
MAT 5728 MT= 67 (n, n') Level 57-La-139
 Cross Section -100.0 To -64.83%



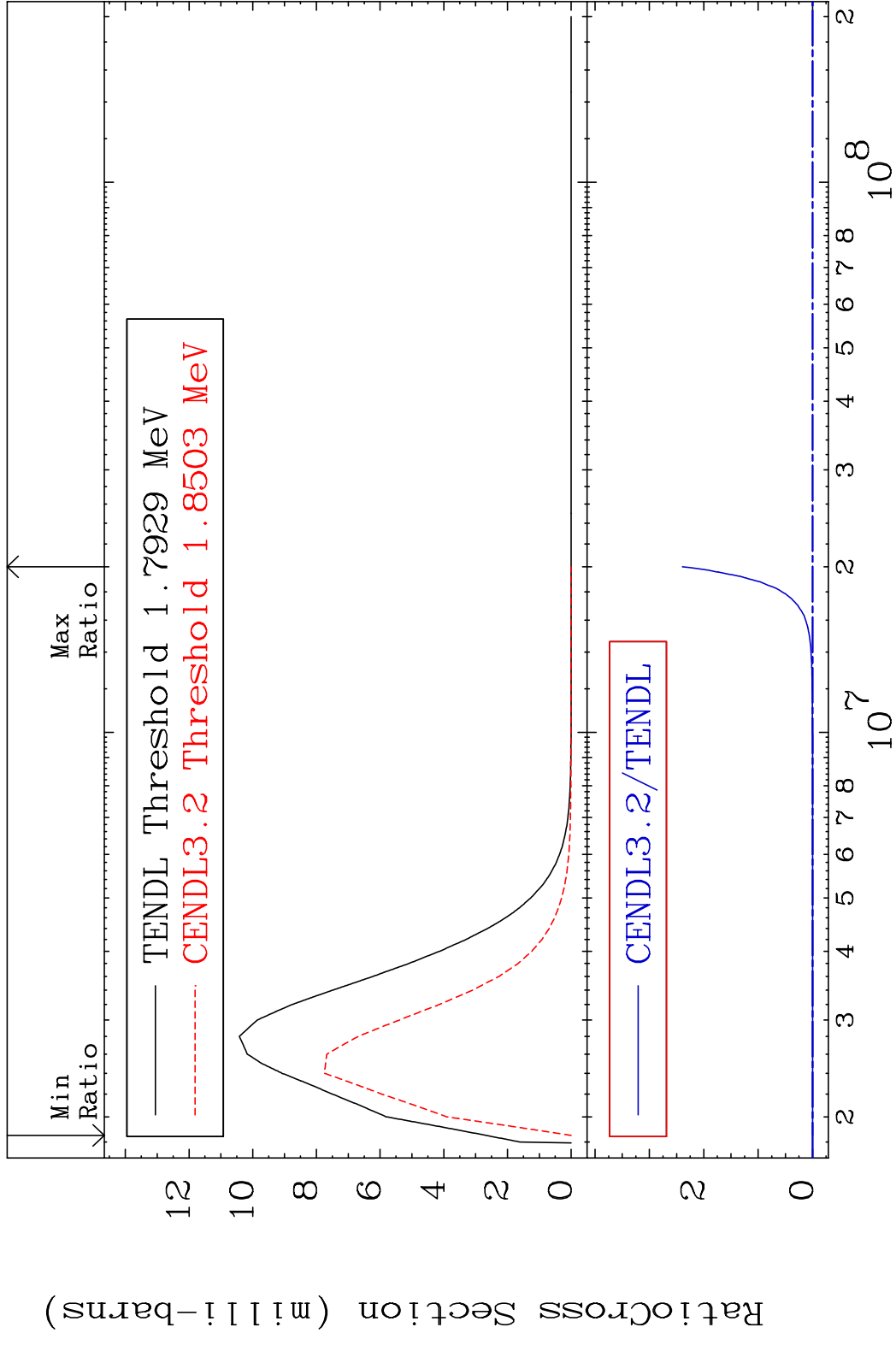
MAT 5728 MT= 68 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



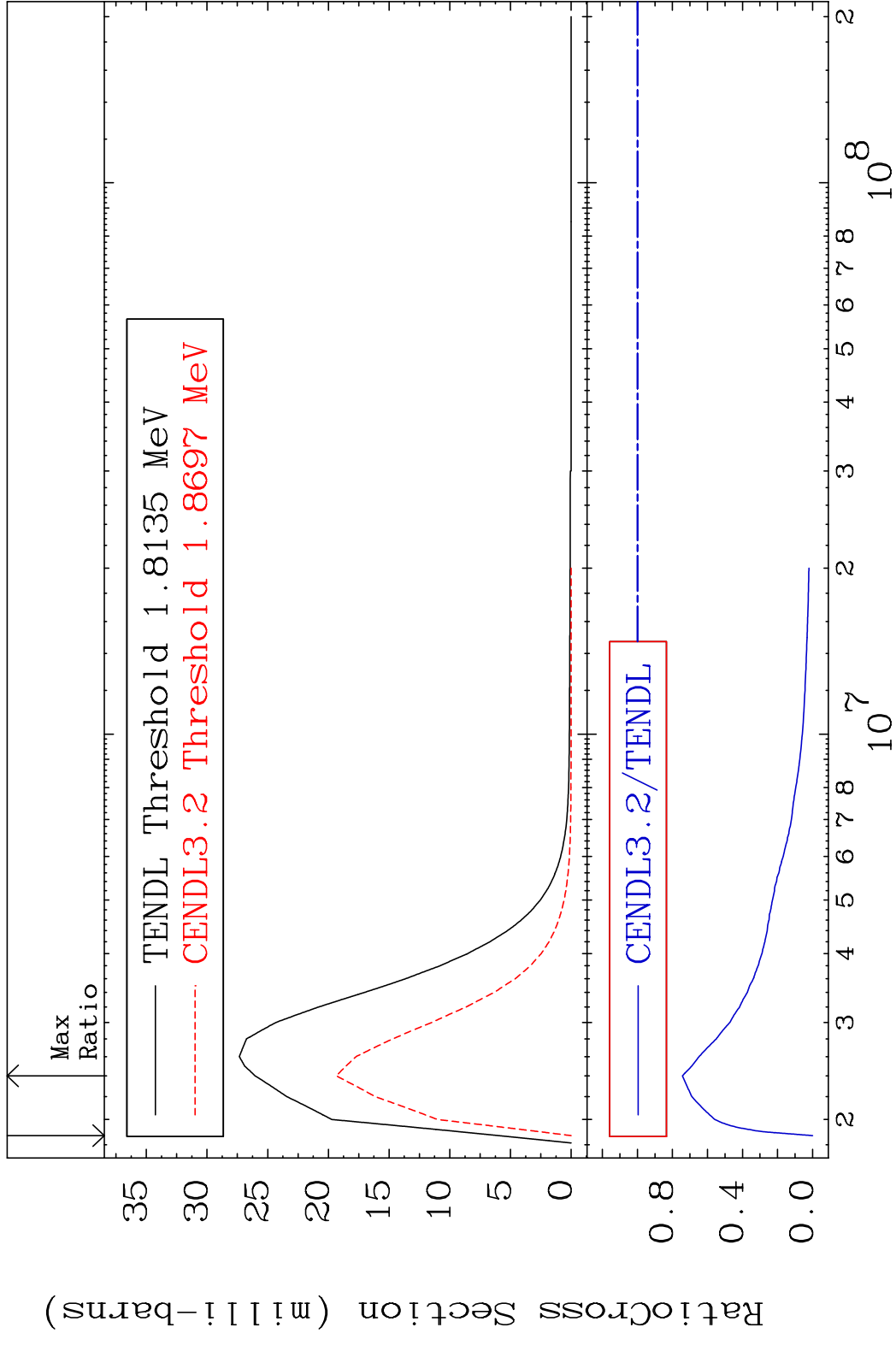
MAT 5728 MT= 69 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



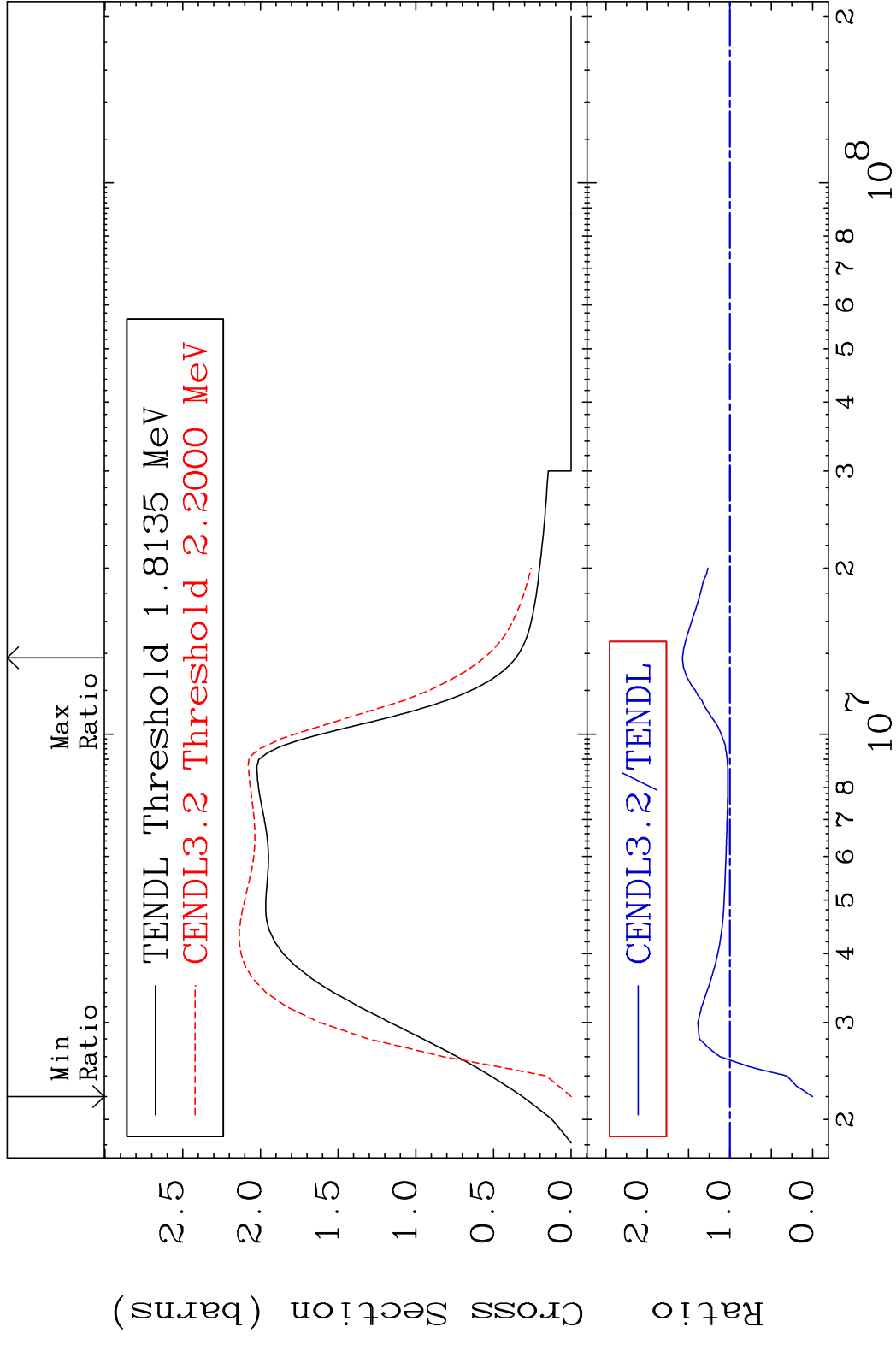
MAT 5728 MT= 70 (n, n') Level 57-La-139
 Cross Section -100.0 To 9999. %



MAT 5728 MT= 71 (n,n') Level 57-La-139
 Cross Section -100.0 To -25.66%



MAT 5728 (n, n') Continuum 57-La-139
 Cross Section -100.0 To 57.55 %

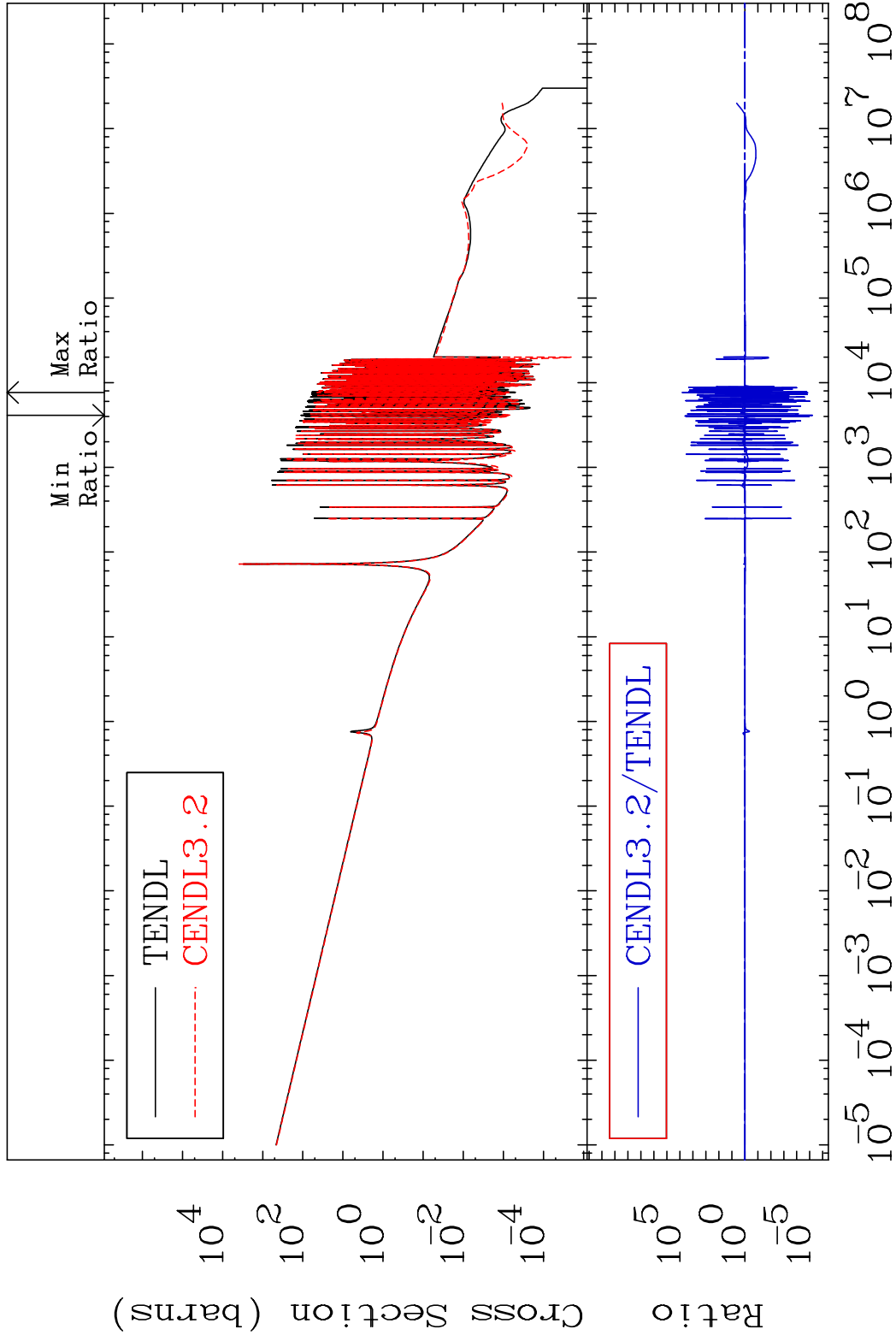


MAT 5728

(n, γ)

57-La-139

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

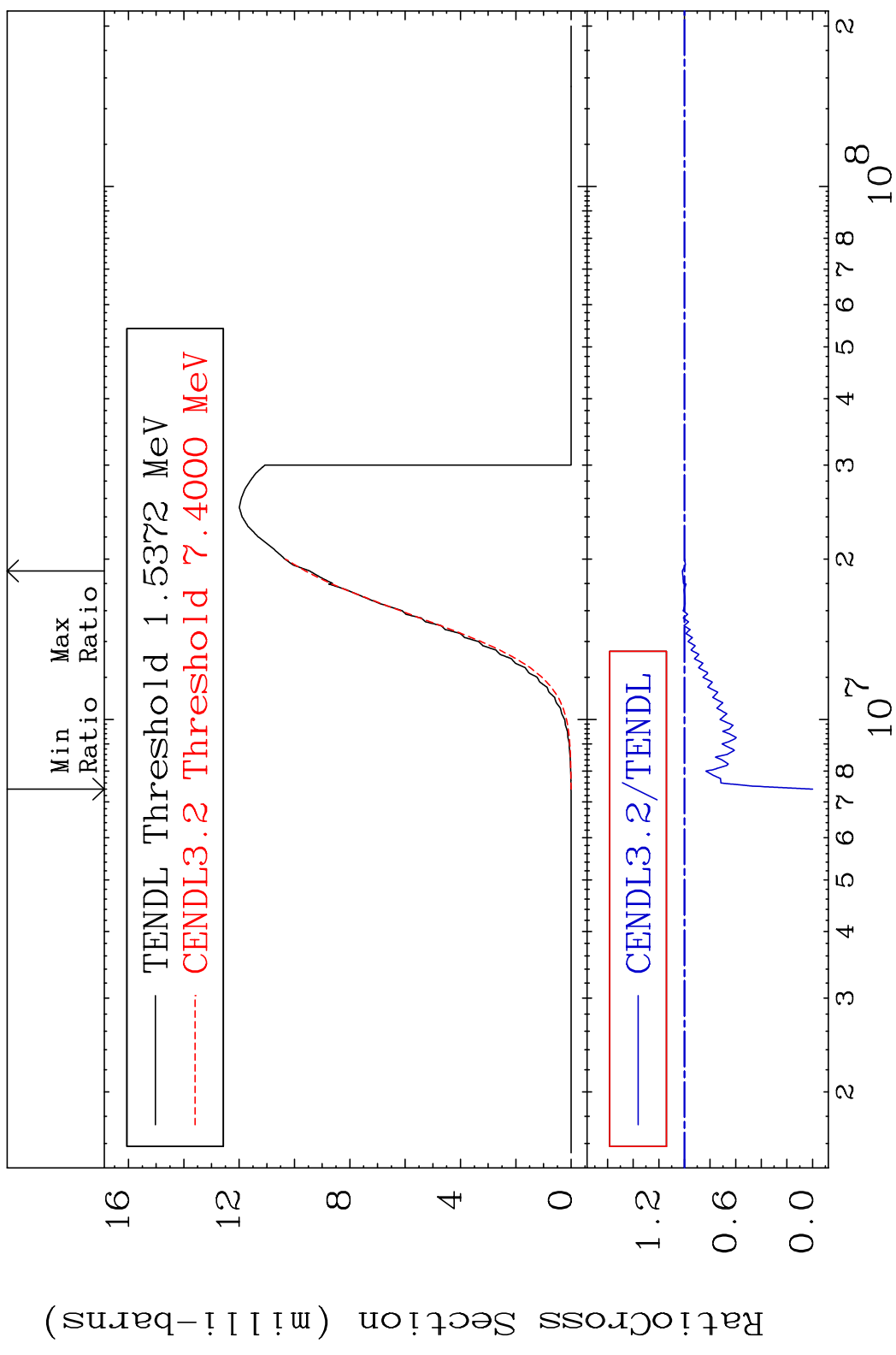
57-La-139

MAT 5728

(n,p)

57-La-139

Cross Section -100.0 To 1.628 %

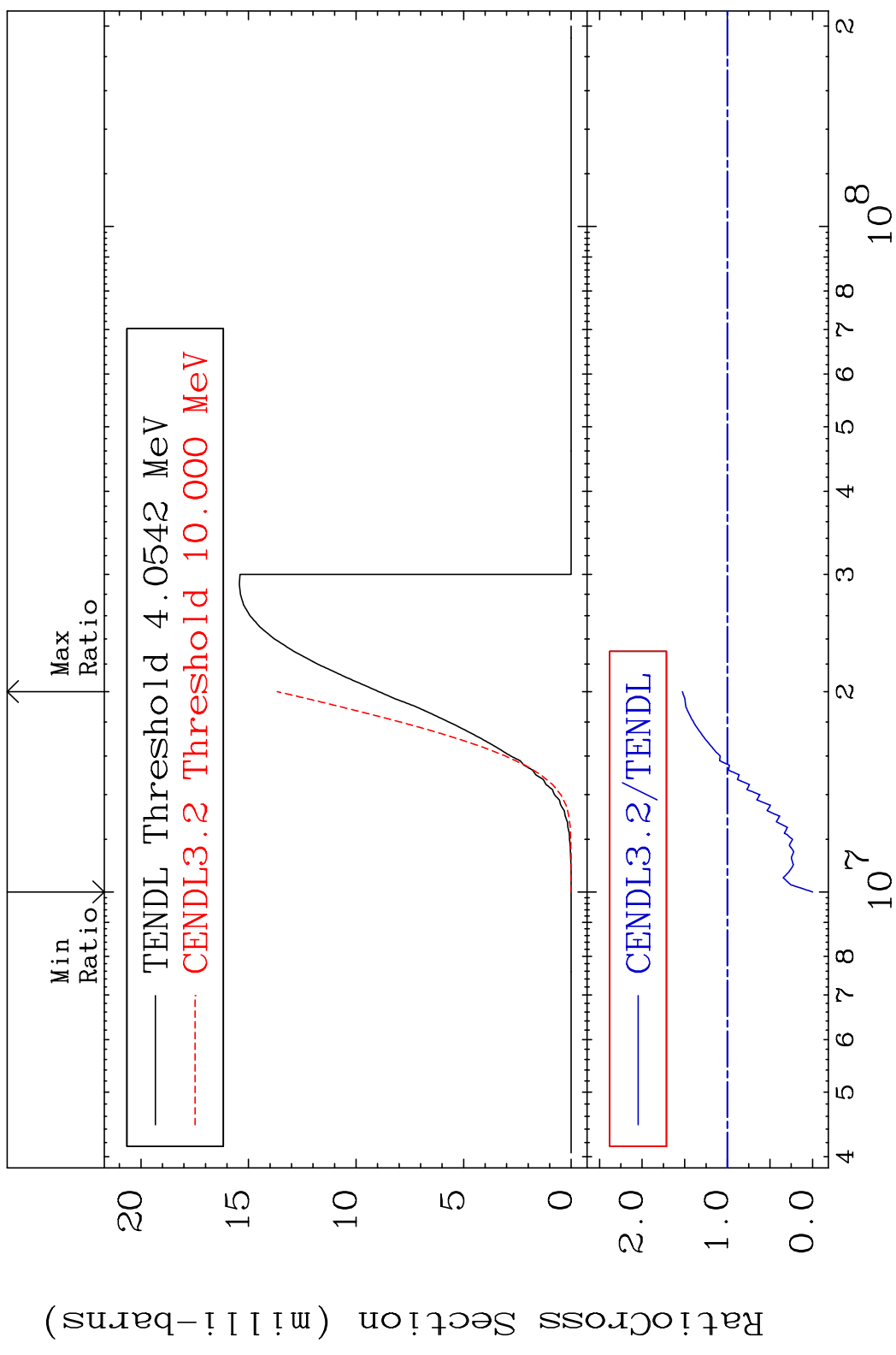


MAT 5728

(n, d)

57-La-139

Cross Section -100.0 To 52.78 %

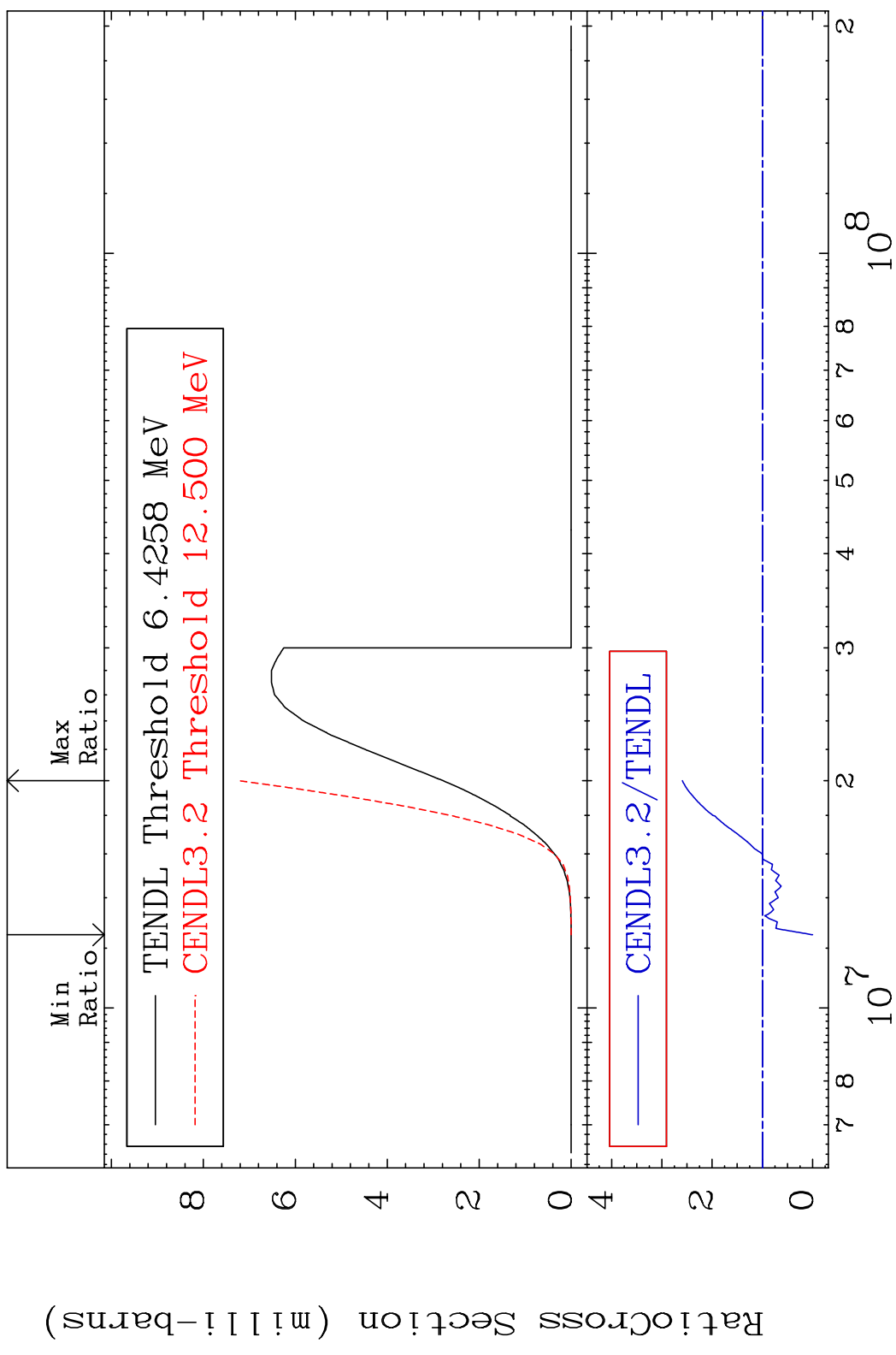


MAT 5728

(n, t)

57-La-139

Cross Section -100.0 To 159.2 %

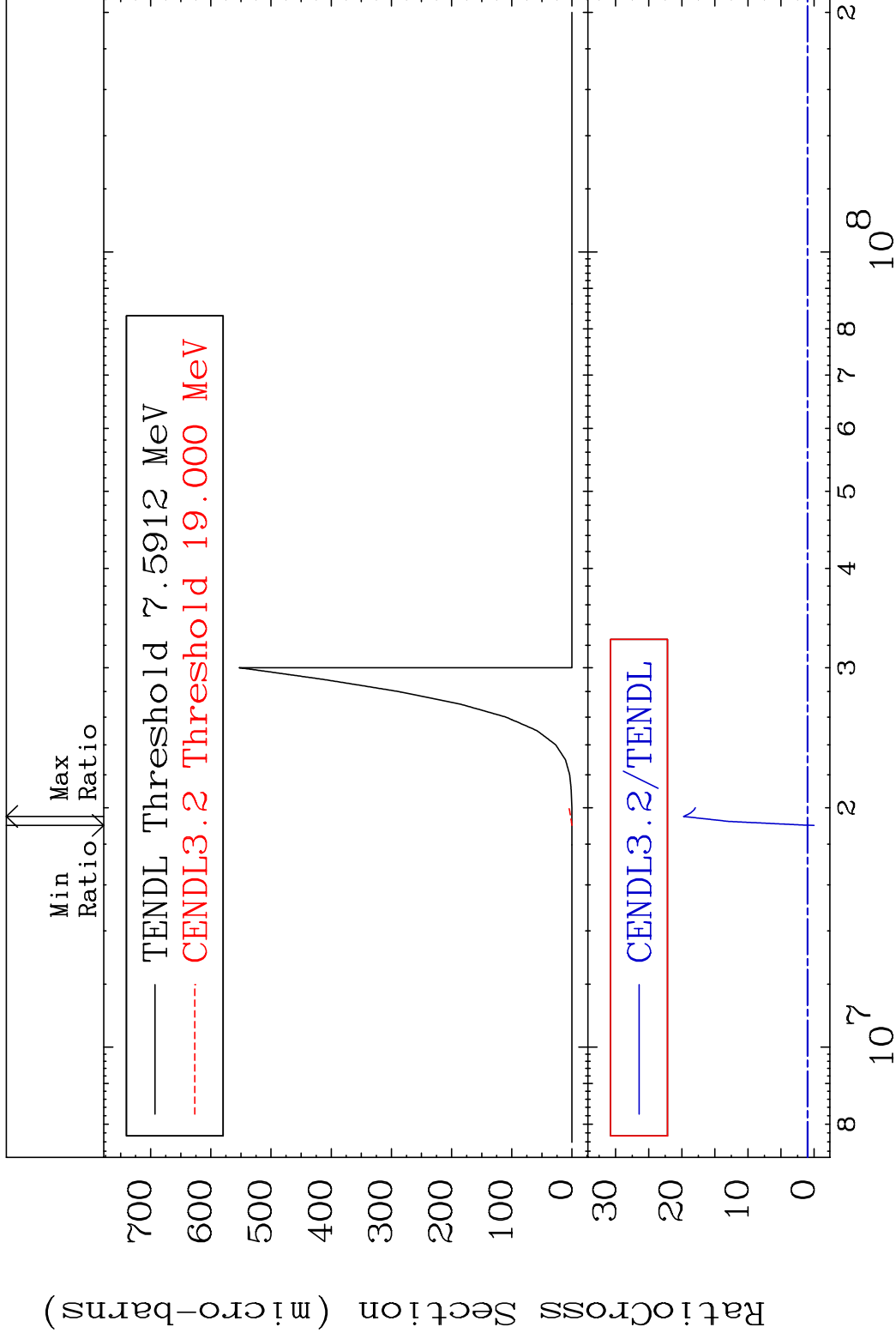


MAT 5728

(n, He-3)

57-La-139

Cross Section -100.0 To 1875. %



34

Incident Energy (eV)

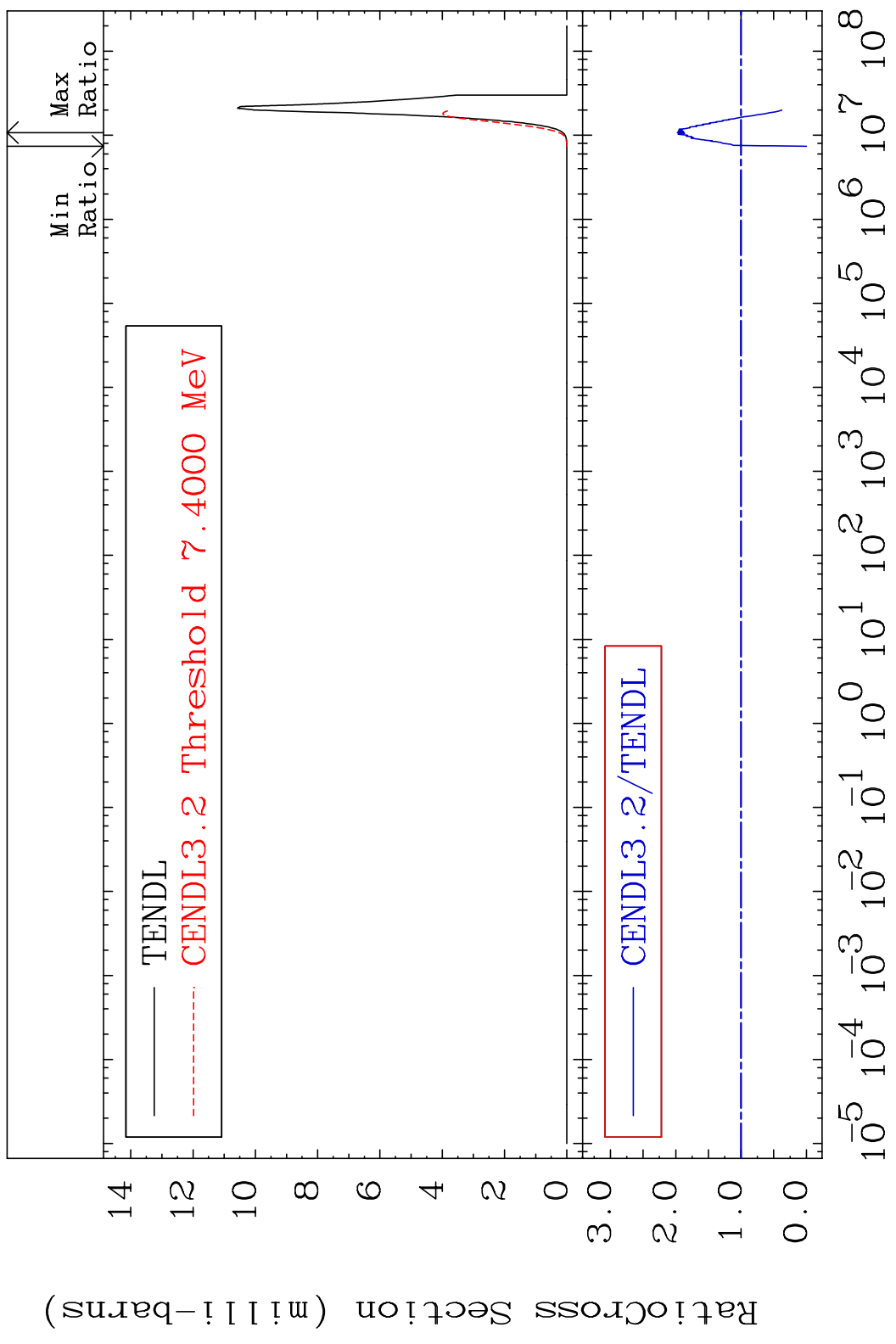
57-La-139

MAT 5728

(n, α)

57-La-139

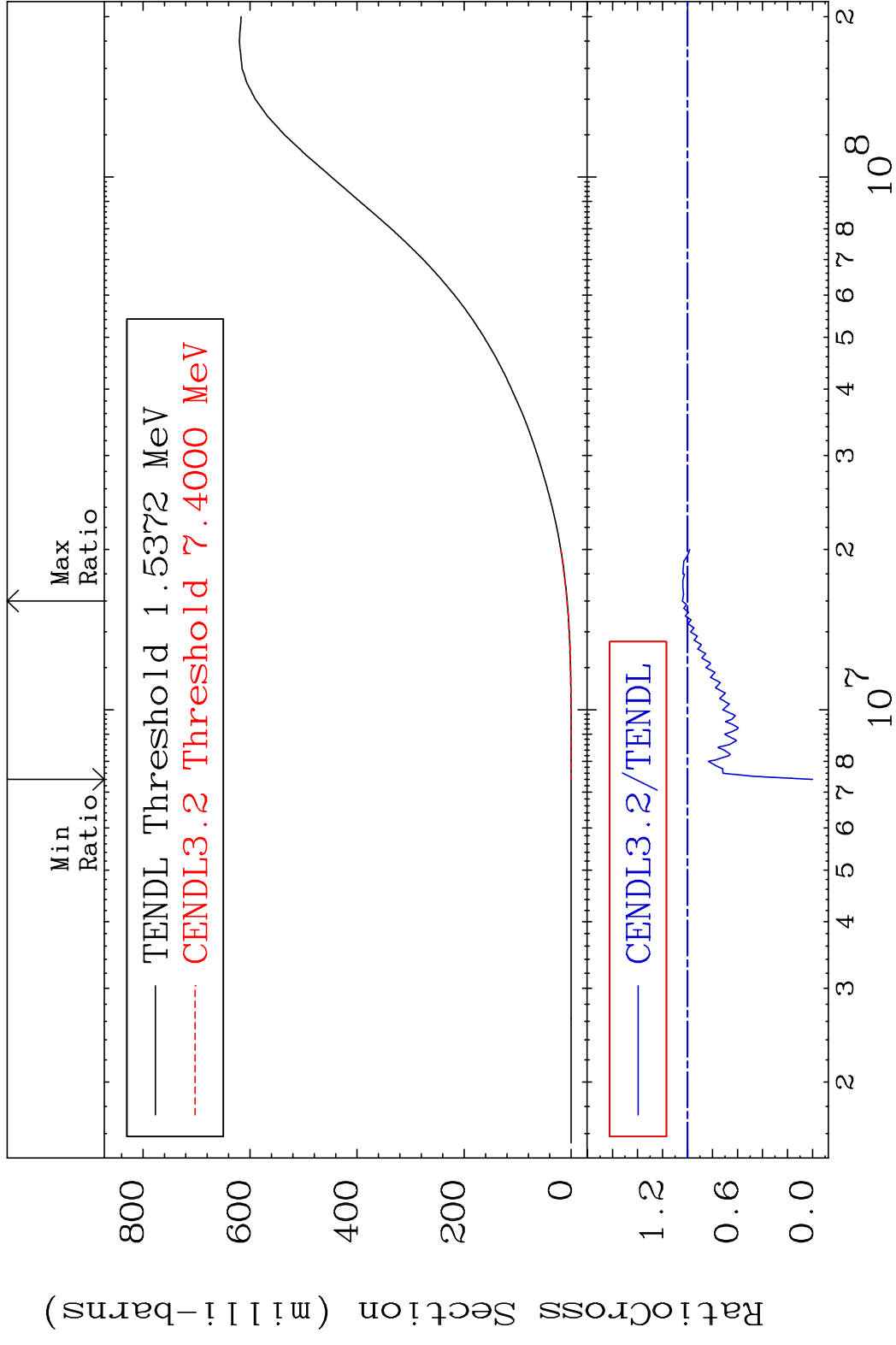
Cross Section -100.0 To 97.81 %



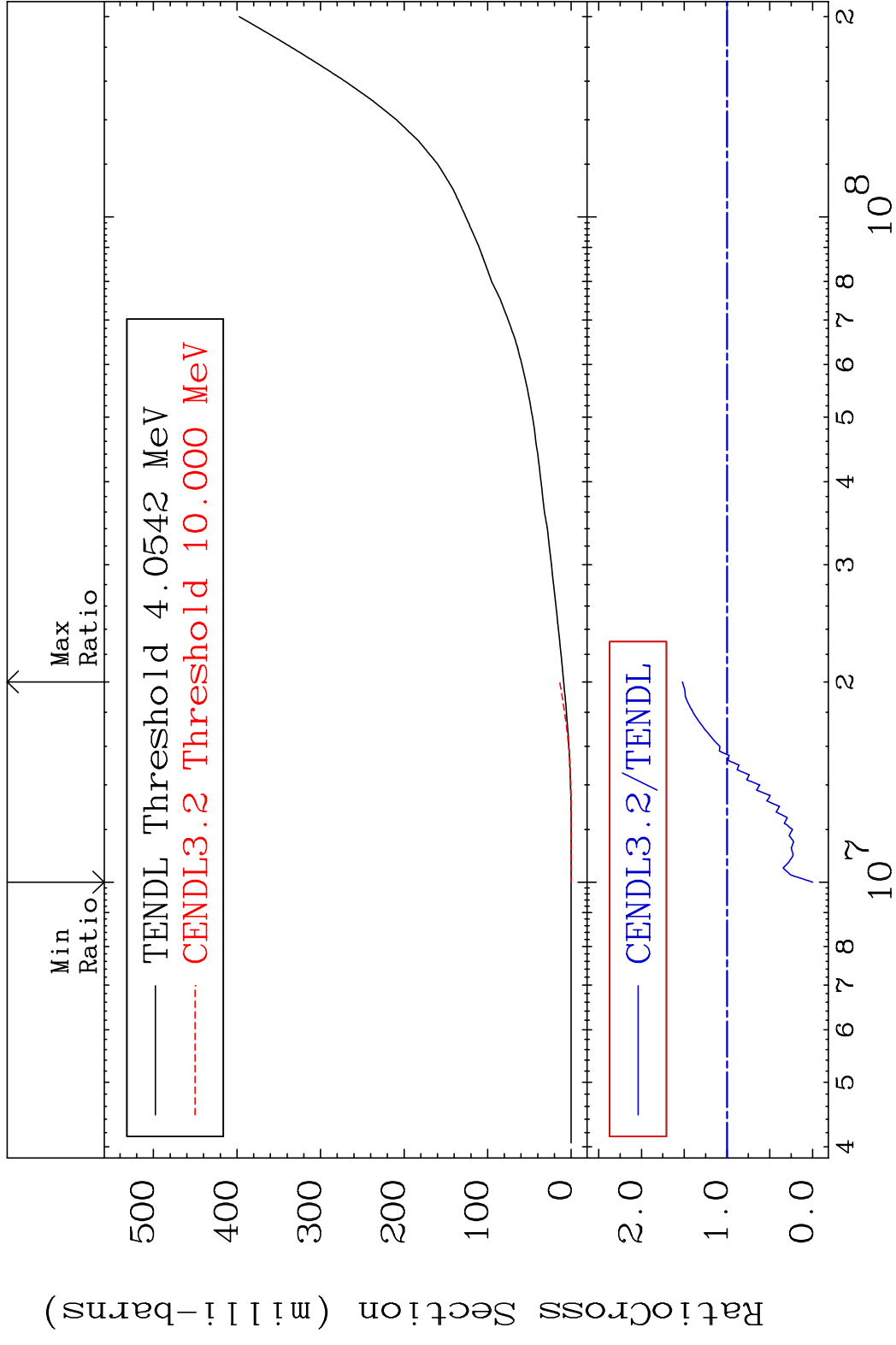
35

Incident Energy (eV)

57-La-139

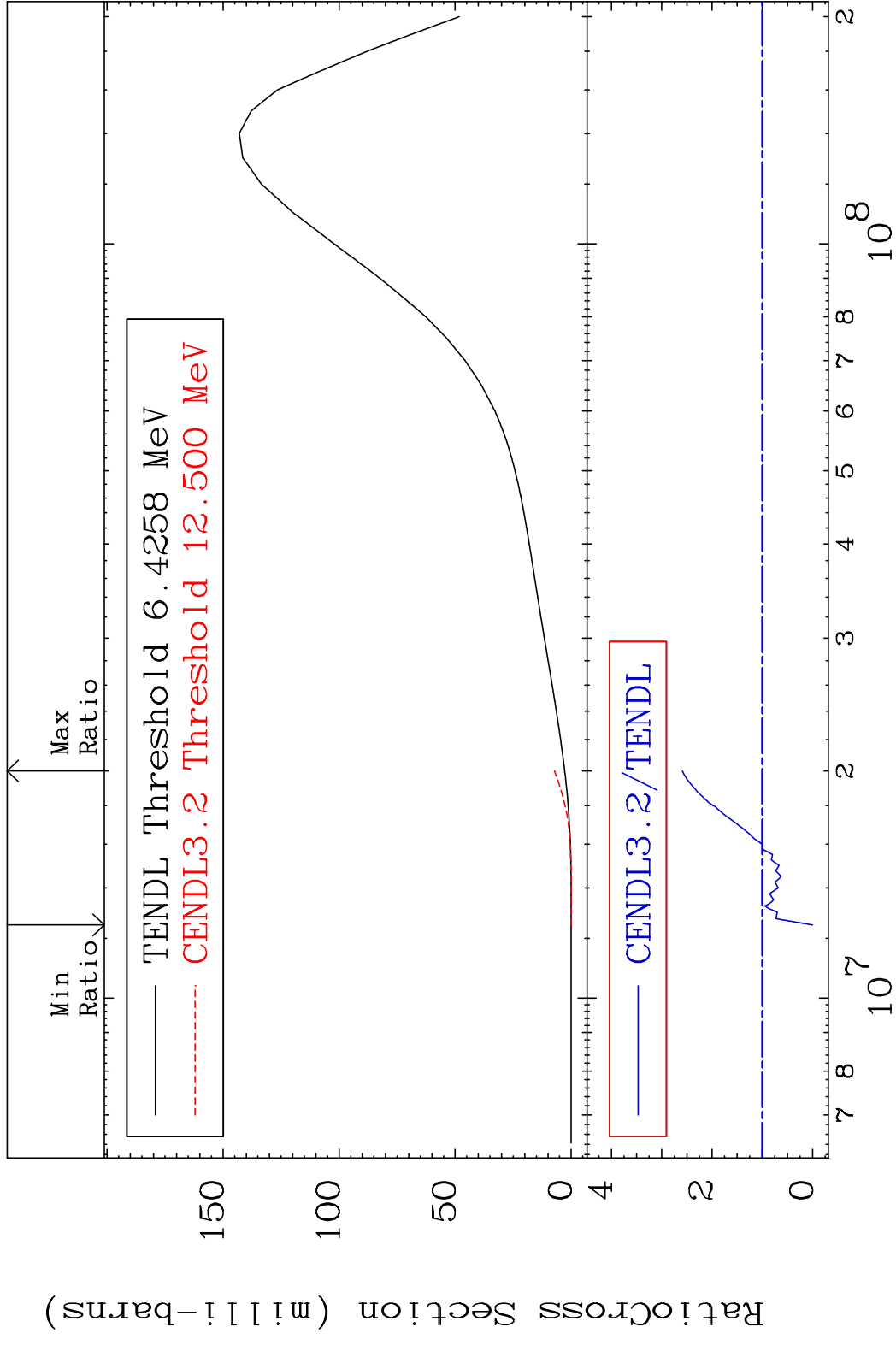


Cross Section -100.0 To 52.22 %



MAT 5728

Tritium Production 57-La-139
Cross Section -100.0 To 159.0 %

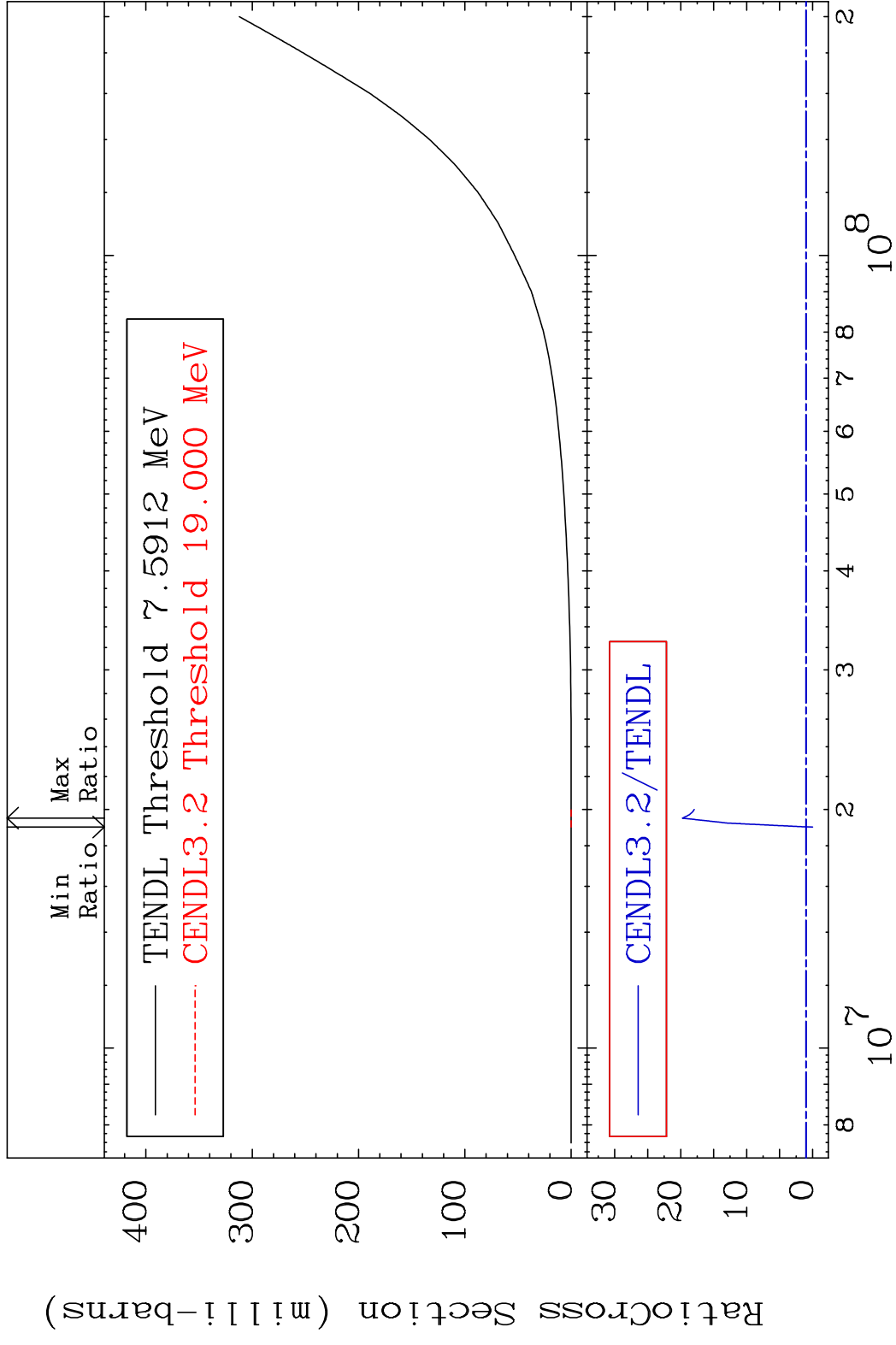


MAT 5728

He-3 Production

57-La-139

Cross Section -100.0 To 1875. %



39

Incident Energy (eV)

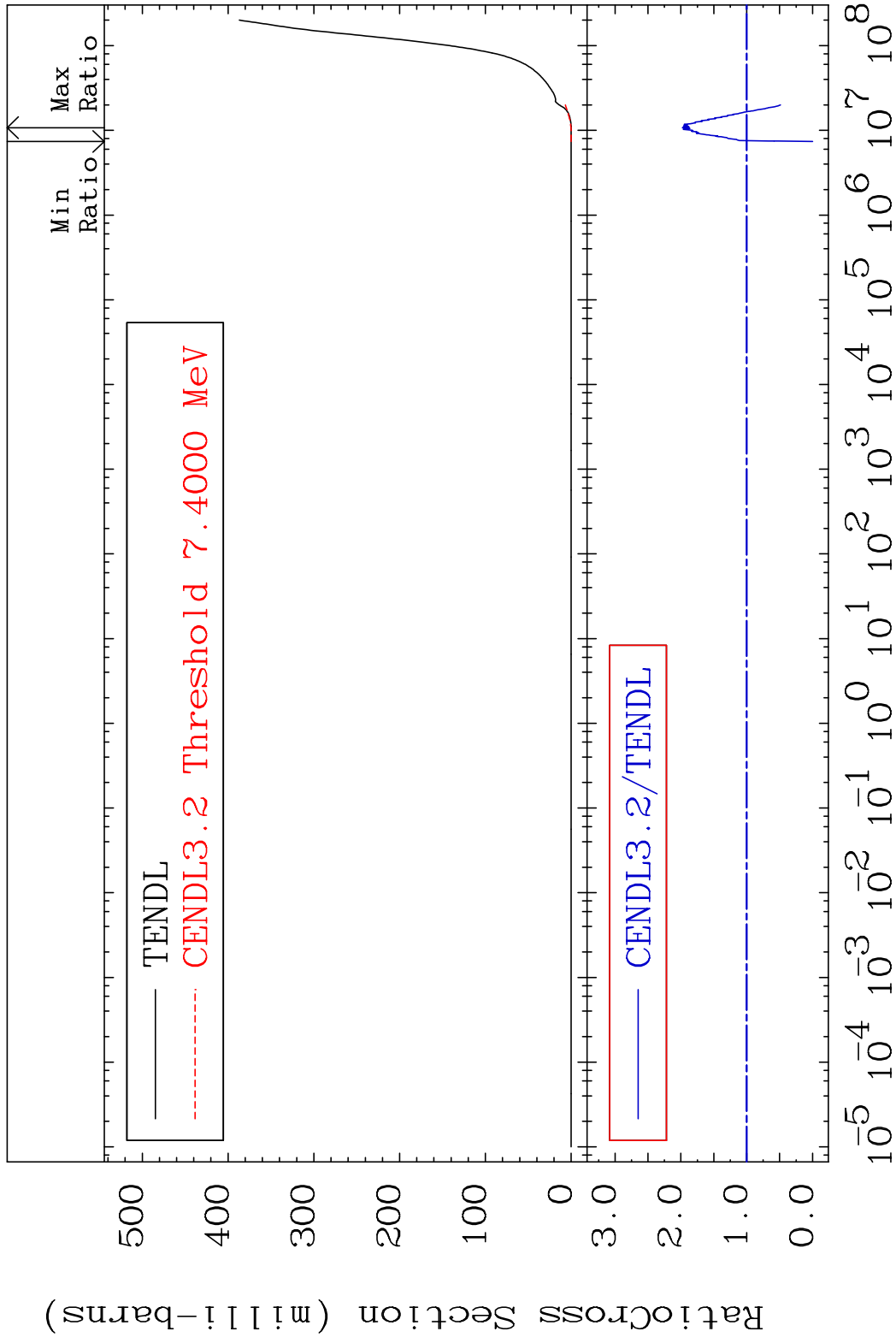
57-La-139

MAT 5728

He-4 Production

57-La-139

Cross Section -100.0 To 97.79 %

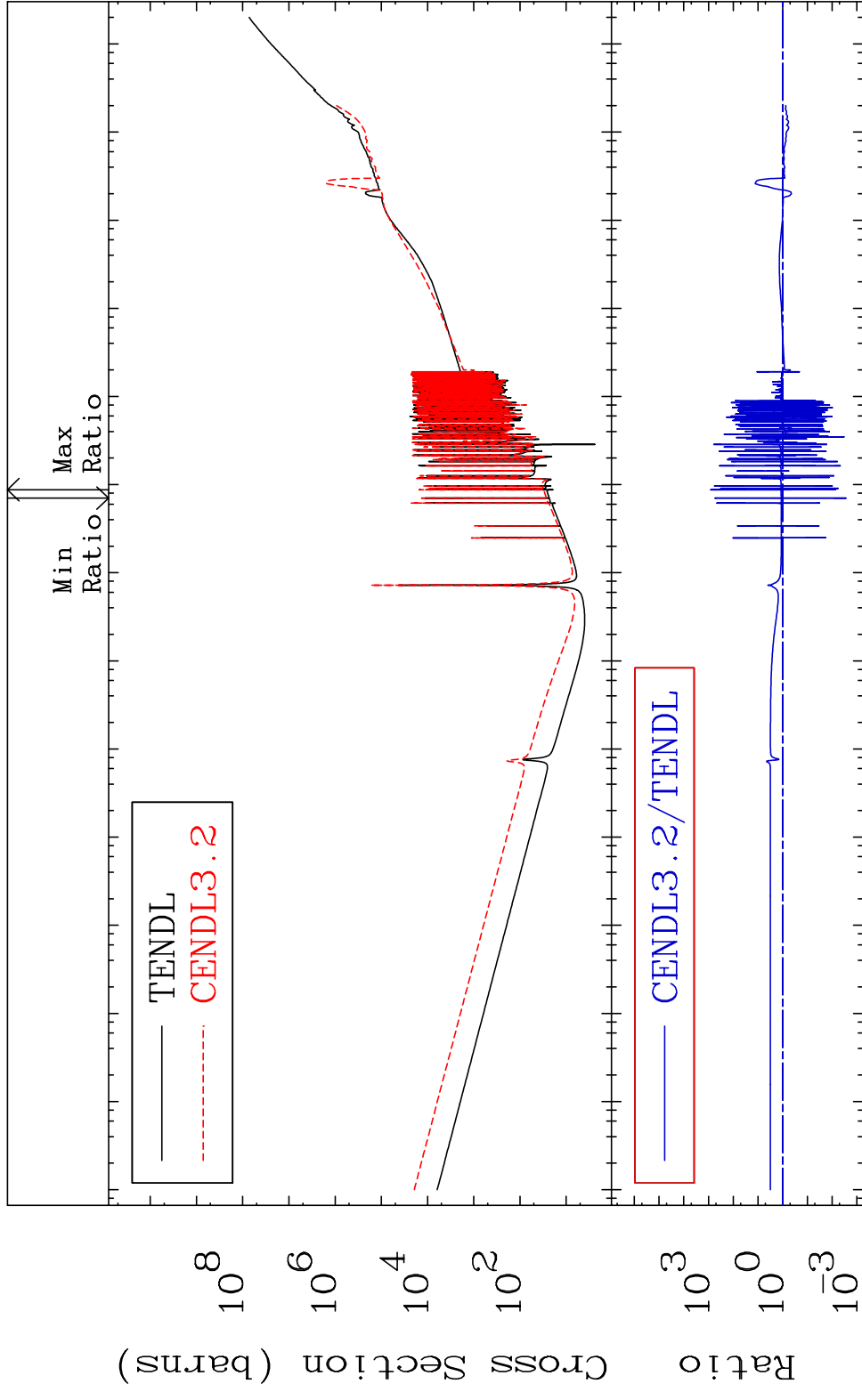


40

Incident Energy (eV)

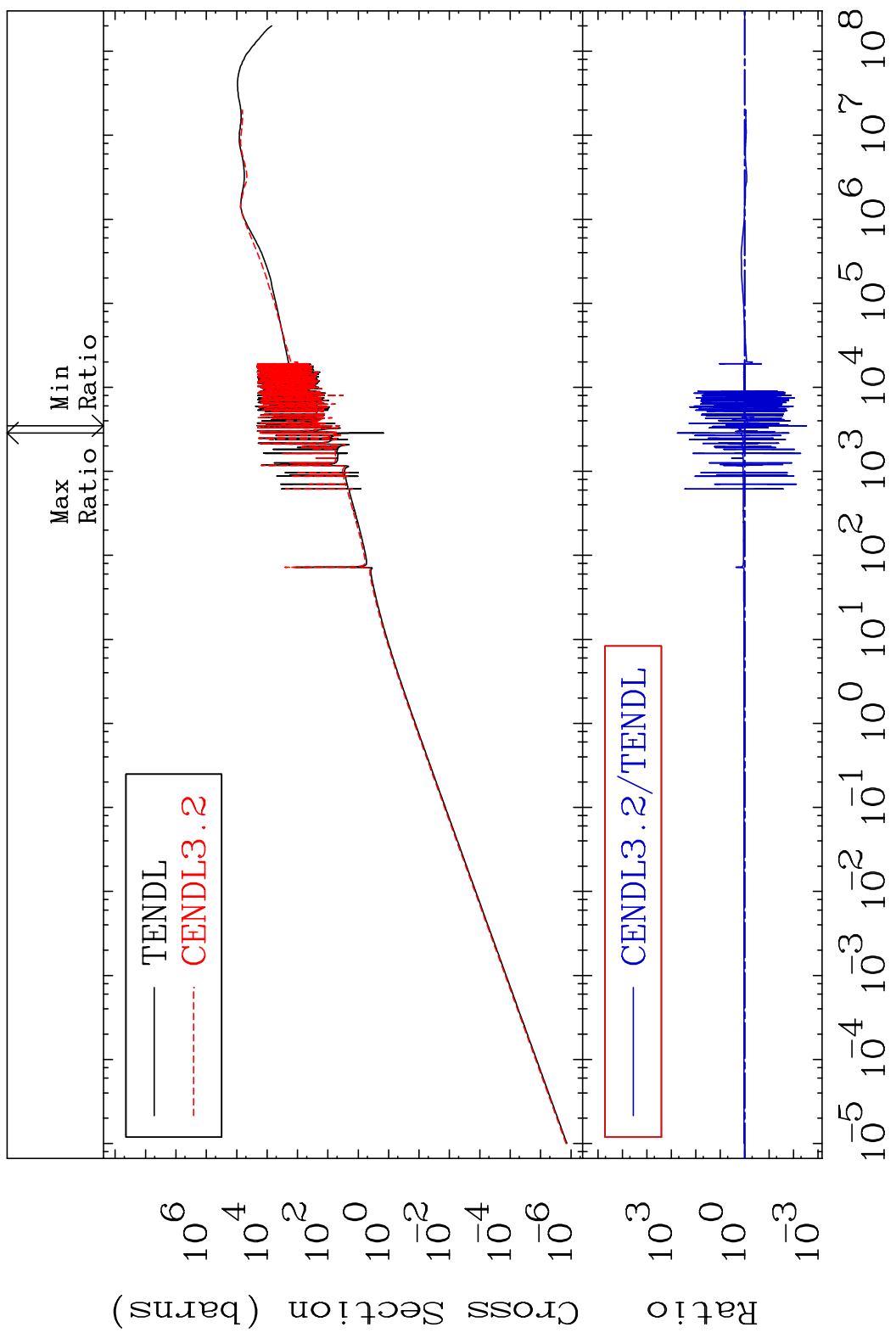
57-La-139

MAT 5728 Kerma total (eV-barns) 57-La-139
 Cross Section -99.73 To 9999. %



MAT 5728

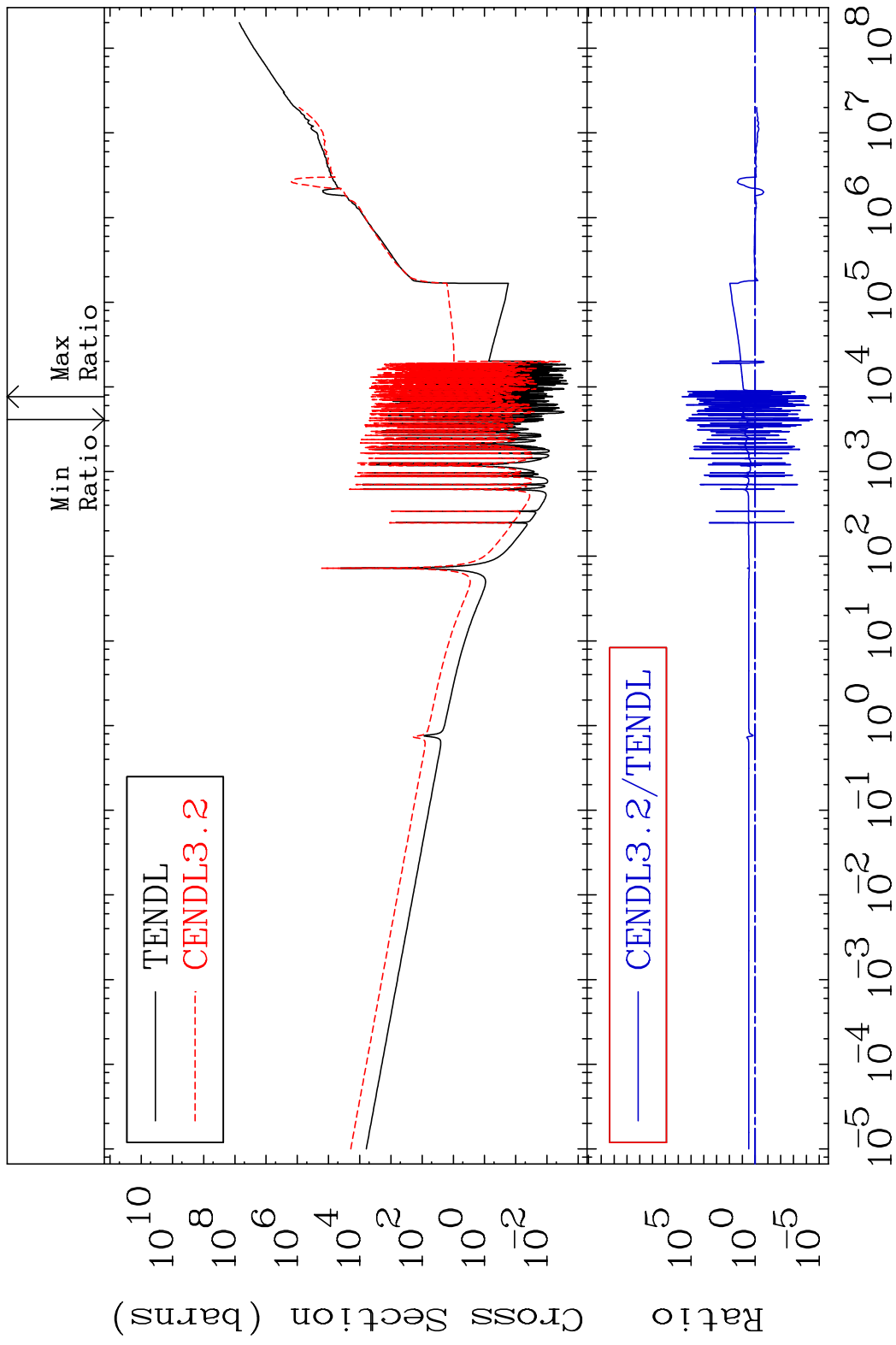
Kerma elastic Cross Section -99.70 To 9999. %
57-La-139



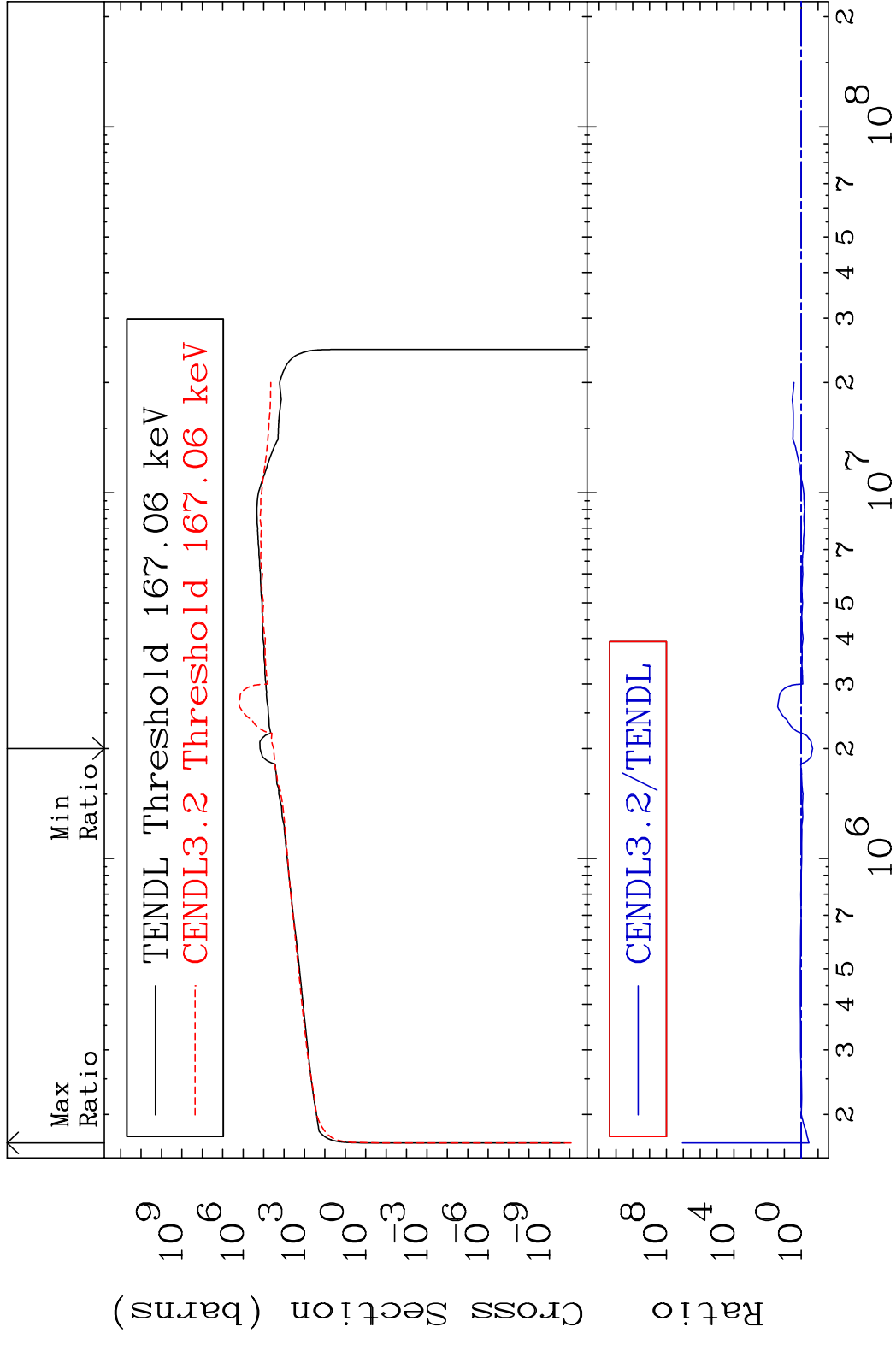
42

Incident Energy (eV) 57-La-139

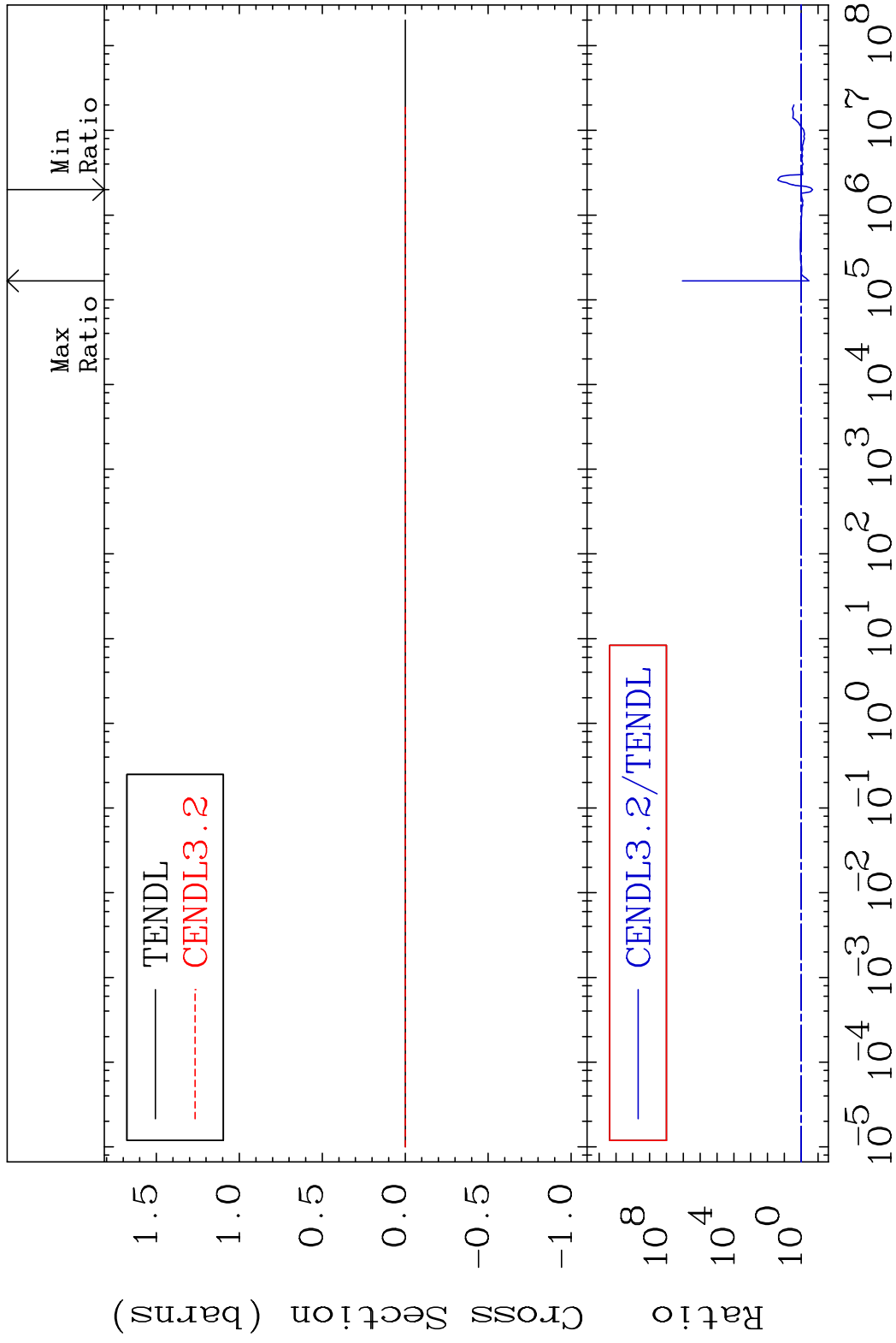
MAT 5728 Kerma non-elastic (all but mt2) 57-La-139
 Cross Section -100.0 To 9999. %



MAT 5728 Kerma inelastic (mt51-91) 57-La-139
 Cross Section -78.74 To 9999. %



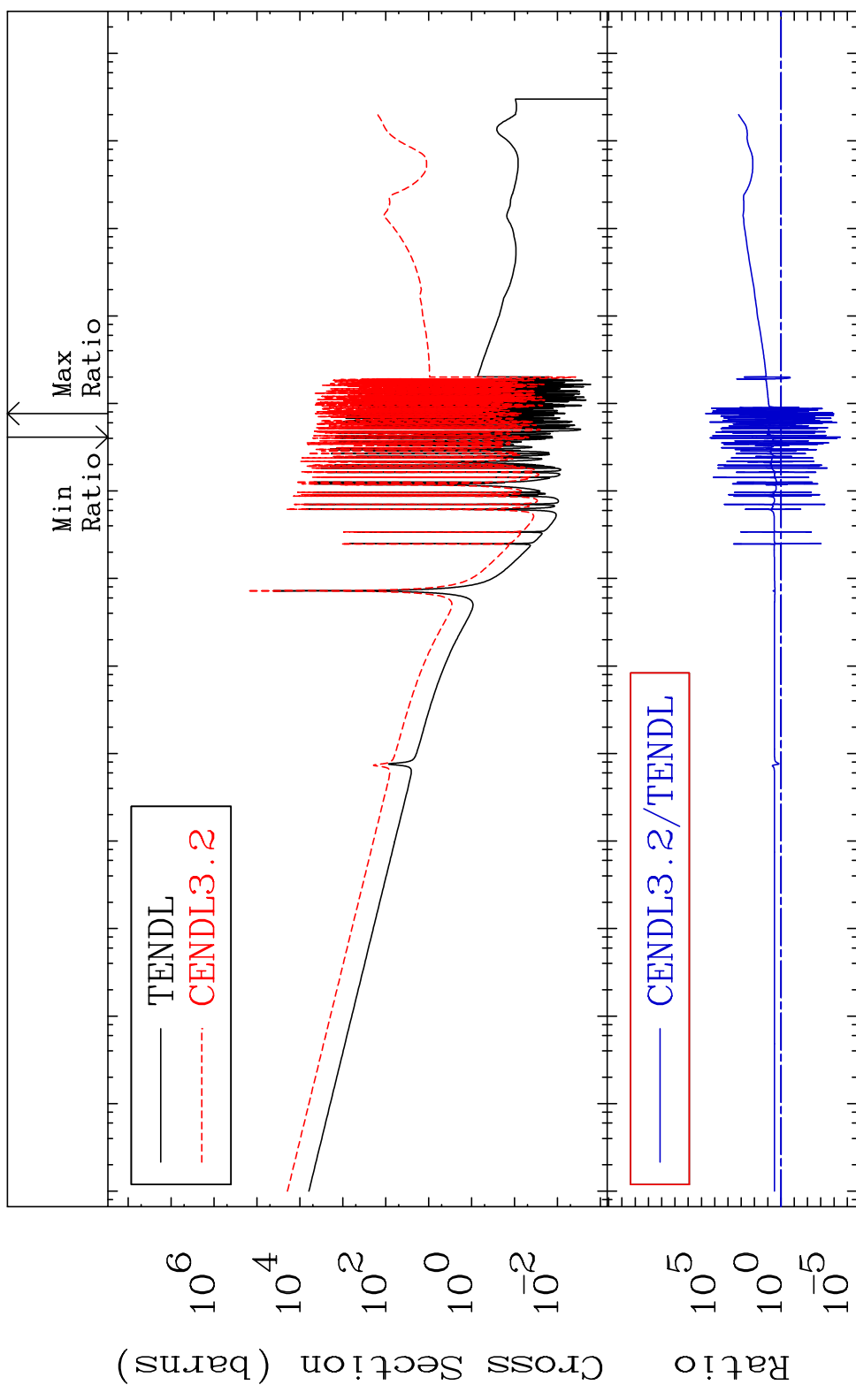
MAT 5728 Kerma fission (mt18 or mt19-20-21-38) 57-La-139
 Cross Section -78.74 To 9999. %



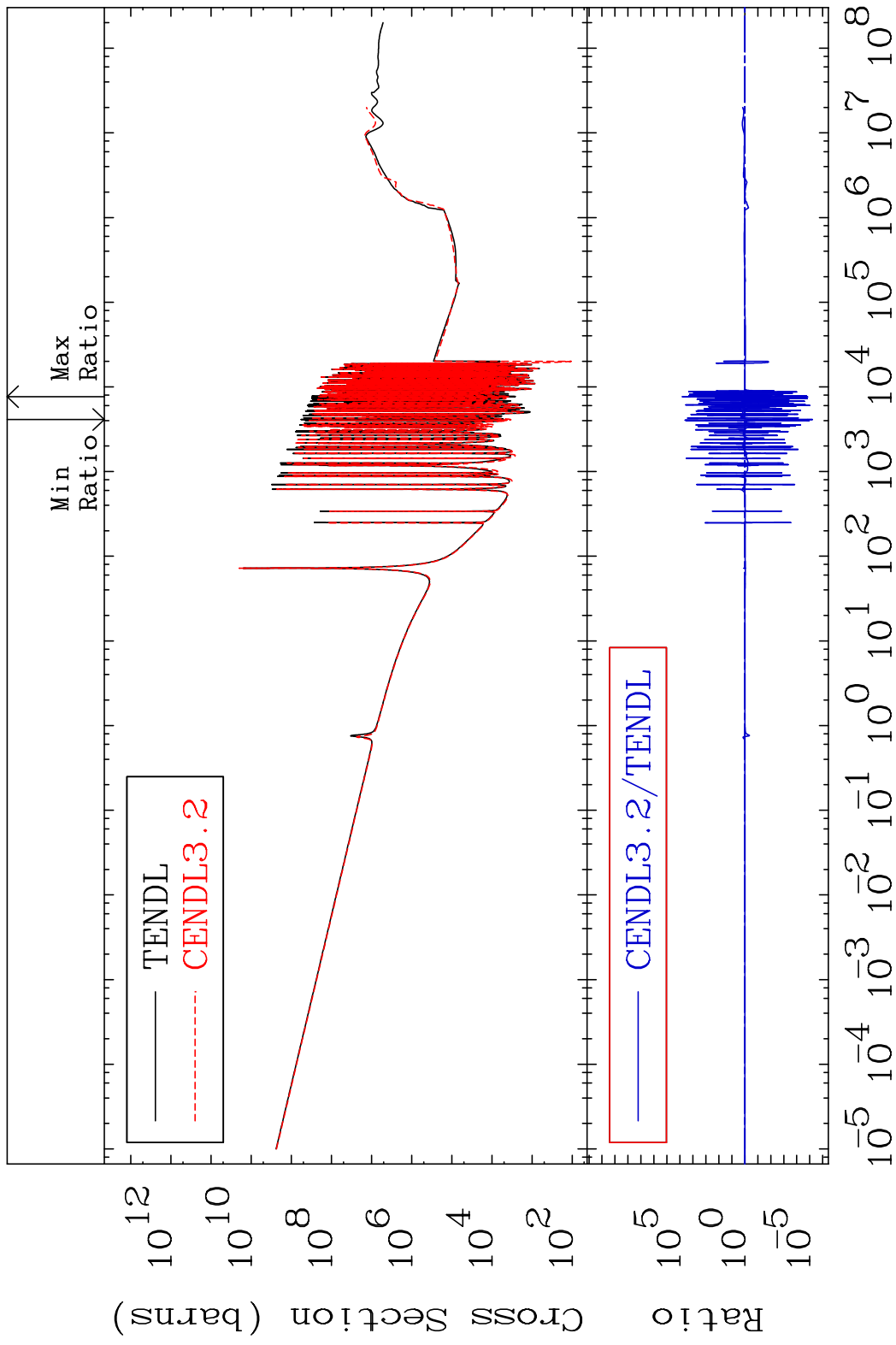
MAT 5728

Kerma capture (mt102) 57-La-139

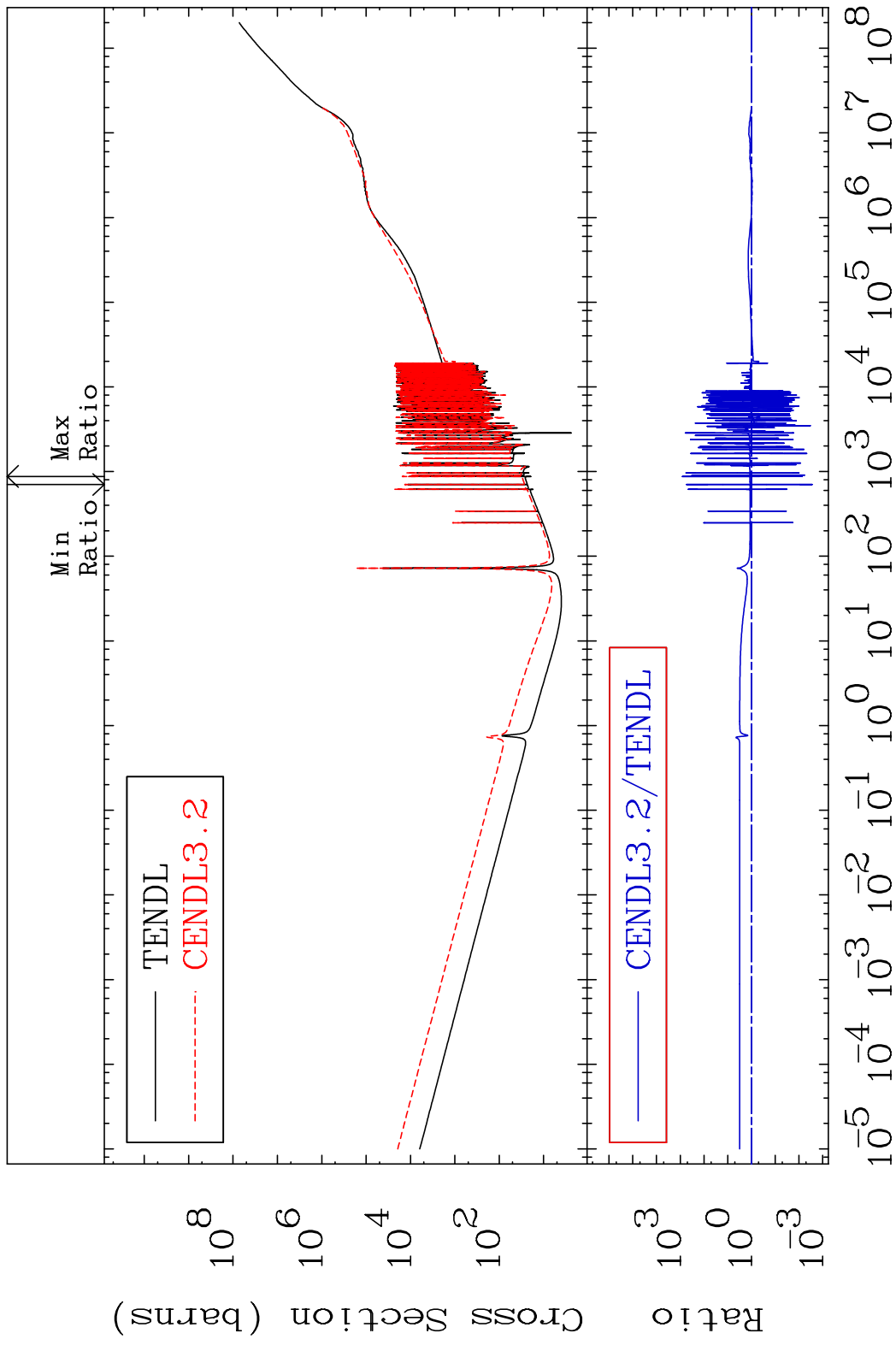
Cross Section -100.0 To 9999. %



MAT 5728 Total photon (eV-barns) 57-La-139
Cross Section -100.0 To 9999. %



MAT 5728 Total kinematic kerma (high limit) 57-La-139
Cross Section -99.73 To 9999. %

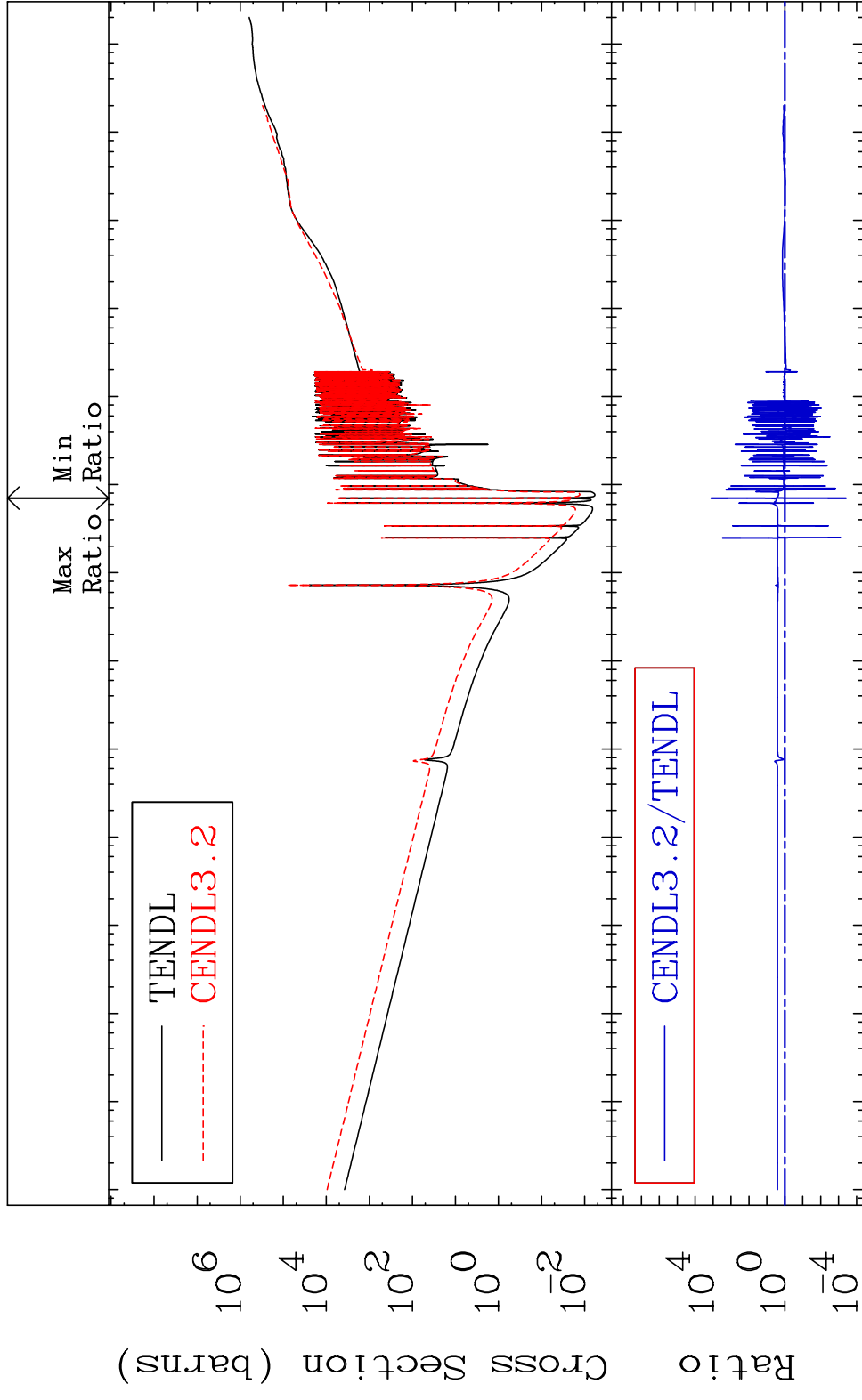


MAT 5728

Dpa total (eV-barns)

57-La-139

Cross Section -99.96 To 9999. %



49

Incident Energy (eV)

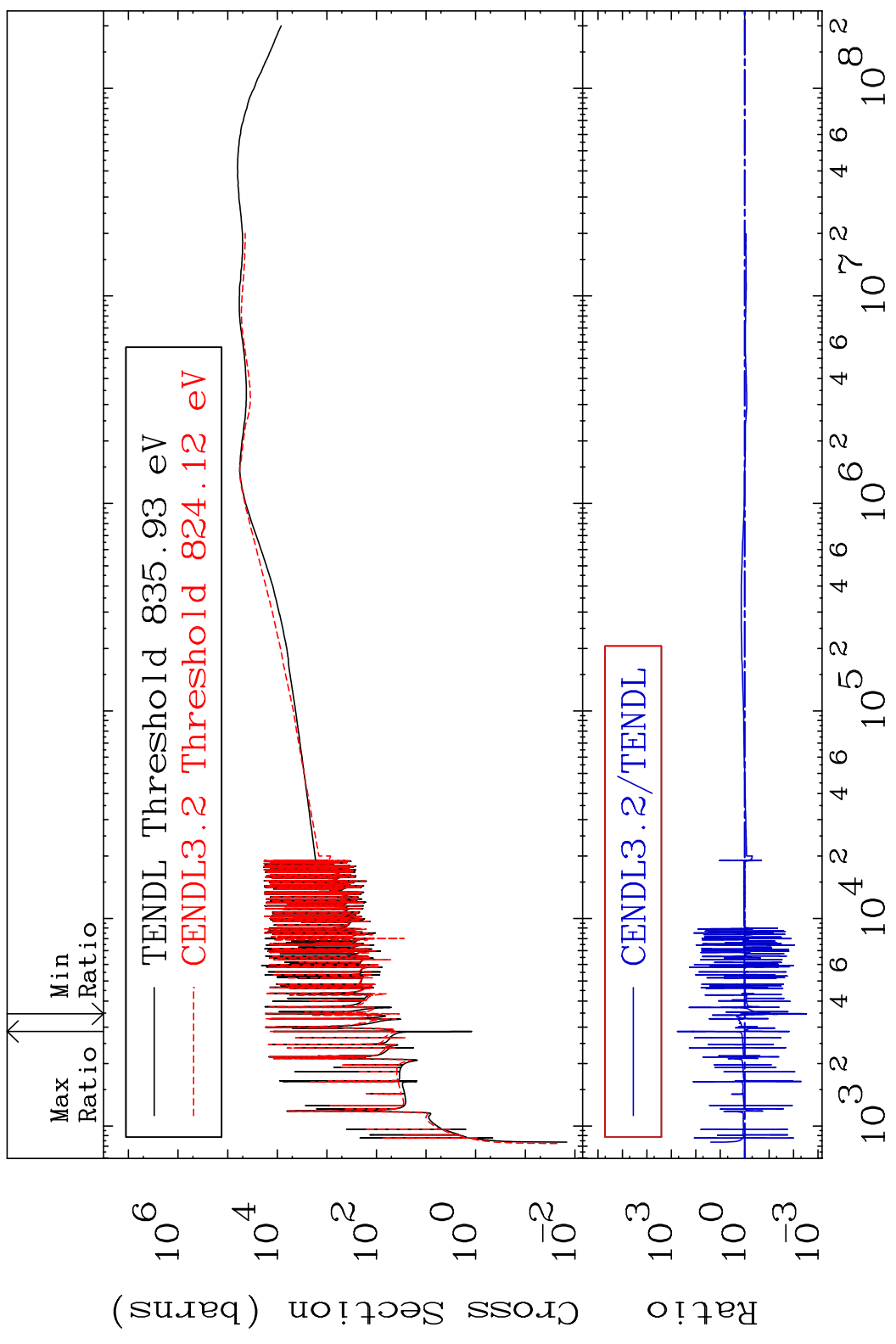
57-La-139

MAT 5728

Dpa elastic (mt2)

57-La-139

Cross Section -99.70 To 9999. %

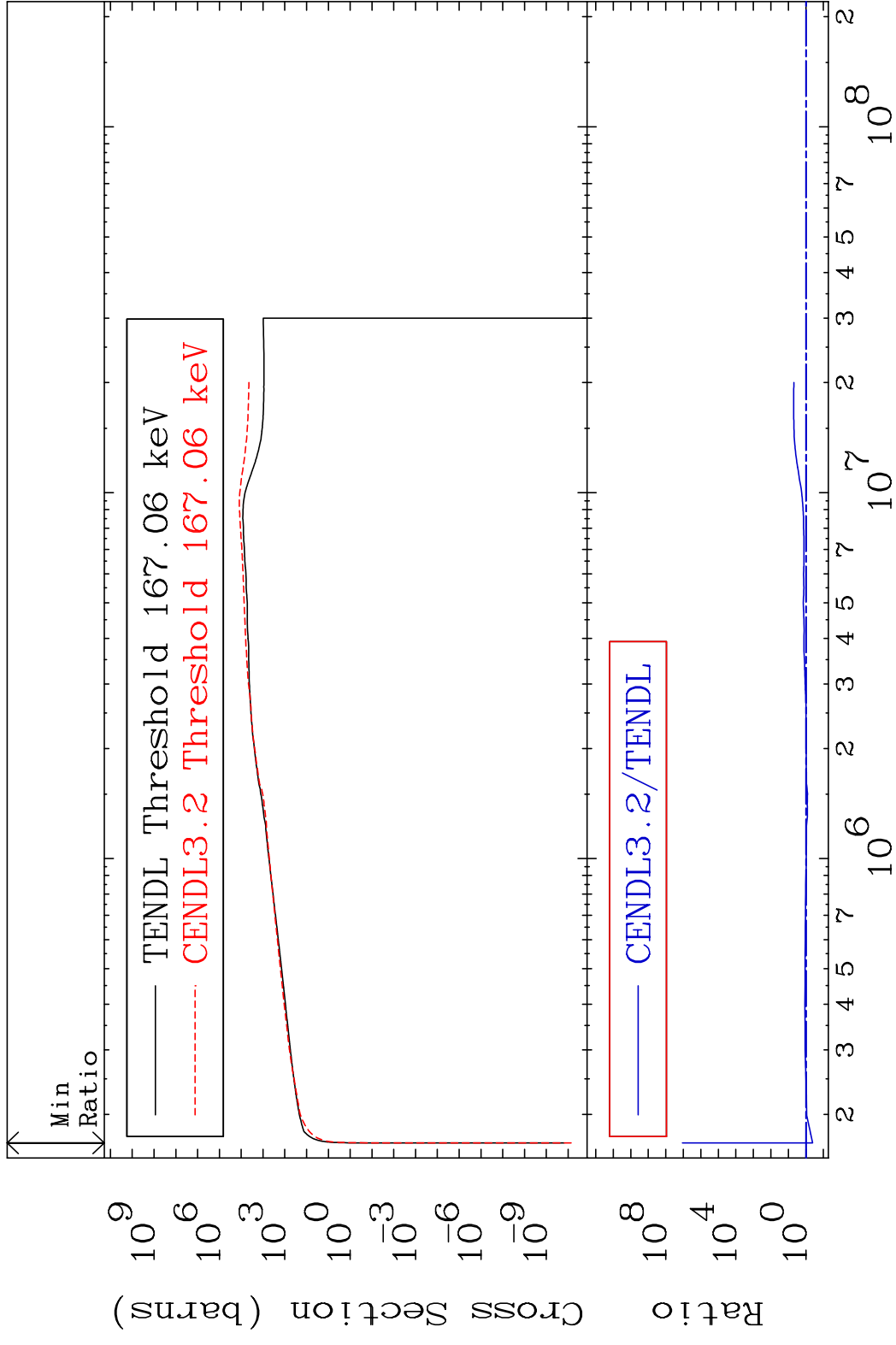


50

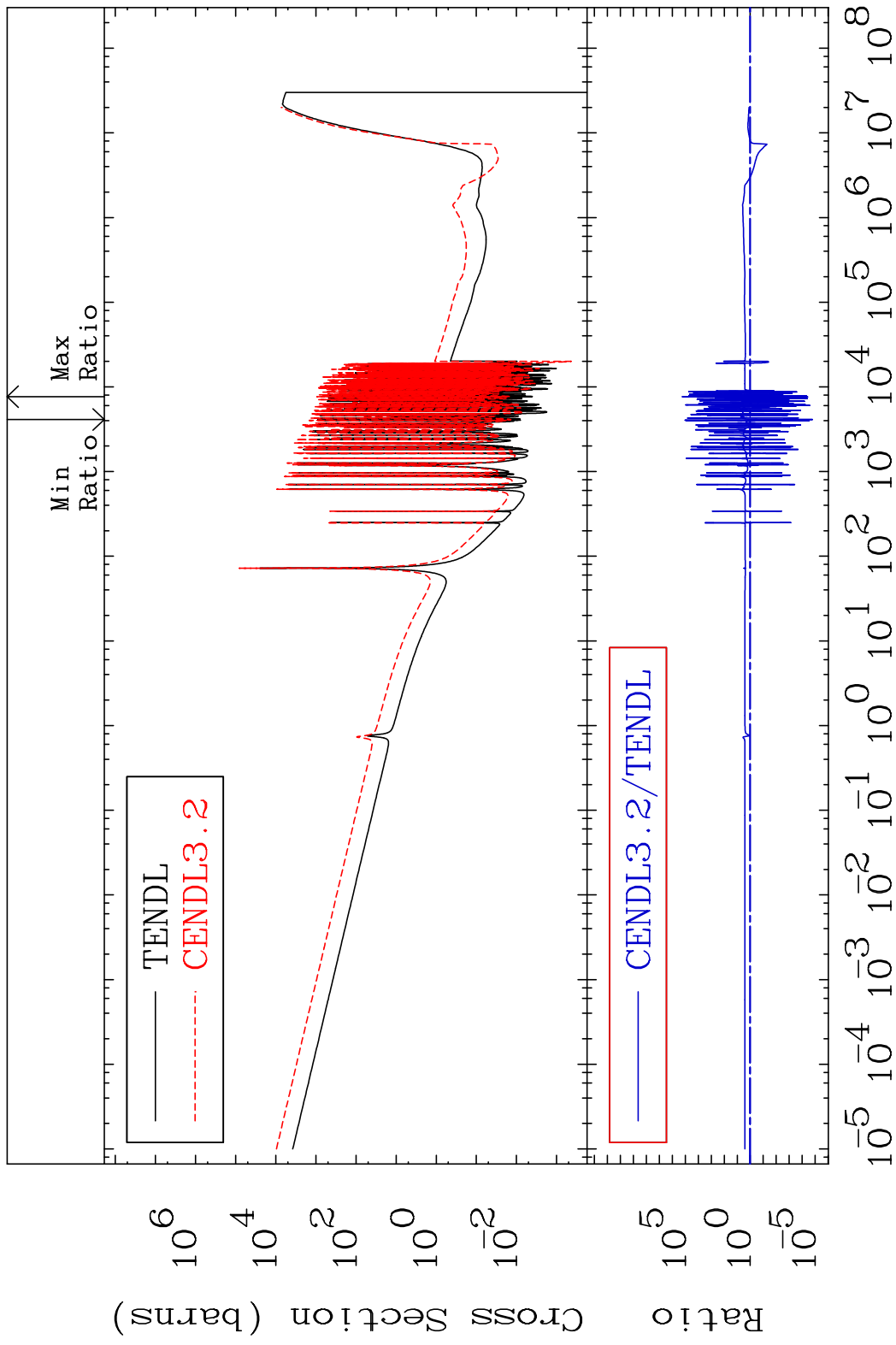
Incident Energy (eV)

57-La-139

MAT 5728 Dpa inelastic (mt51-91) 57-La-139
 Cross Section -58.30 To 9999. %

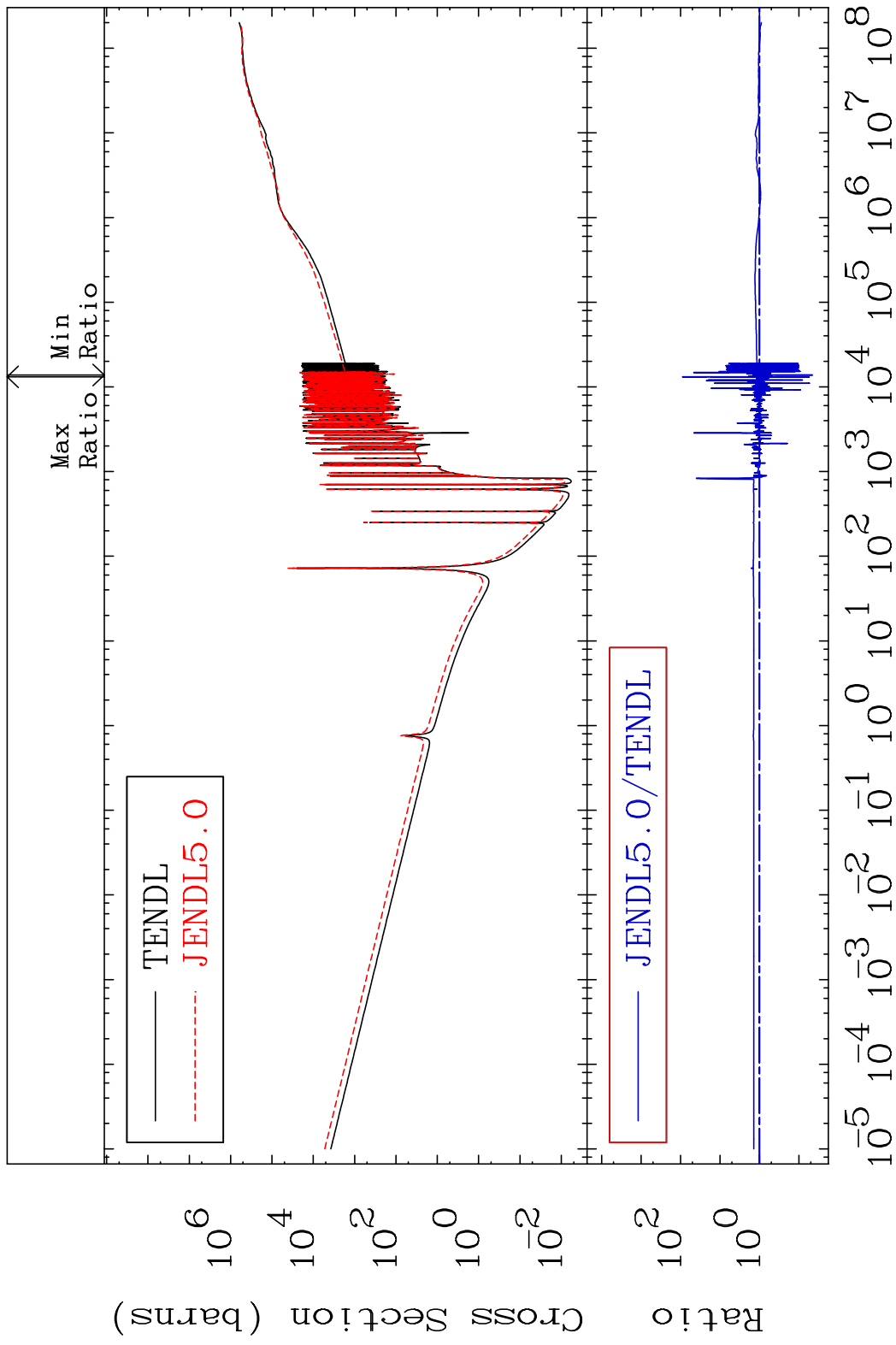


MAT 5728 Dpa disappearance (mt102 -120) 57-La-139
 Cross Section -100.0 To 9999. %



52 Incident Energy (eV) 57-La-139

MAT 5728 Dpa total (eV-barns) 57-La-139
 Cross Section -95.47 To 8946. %

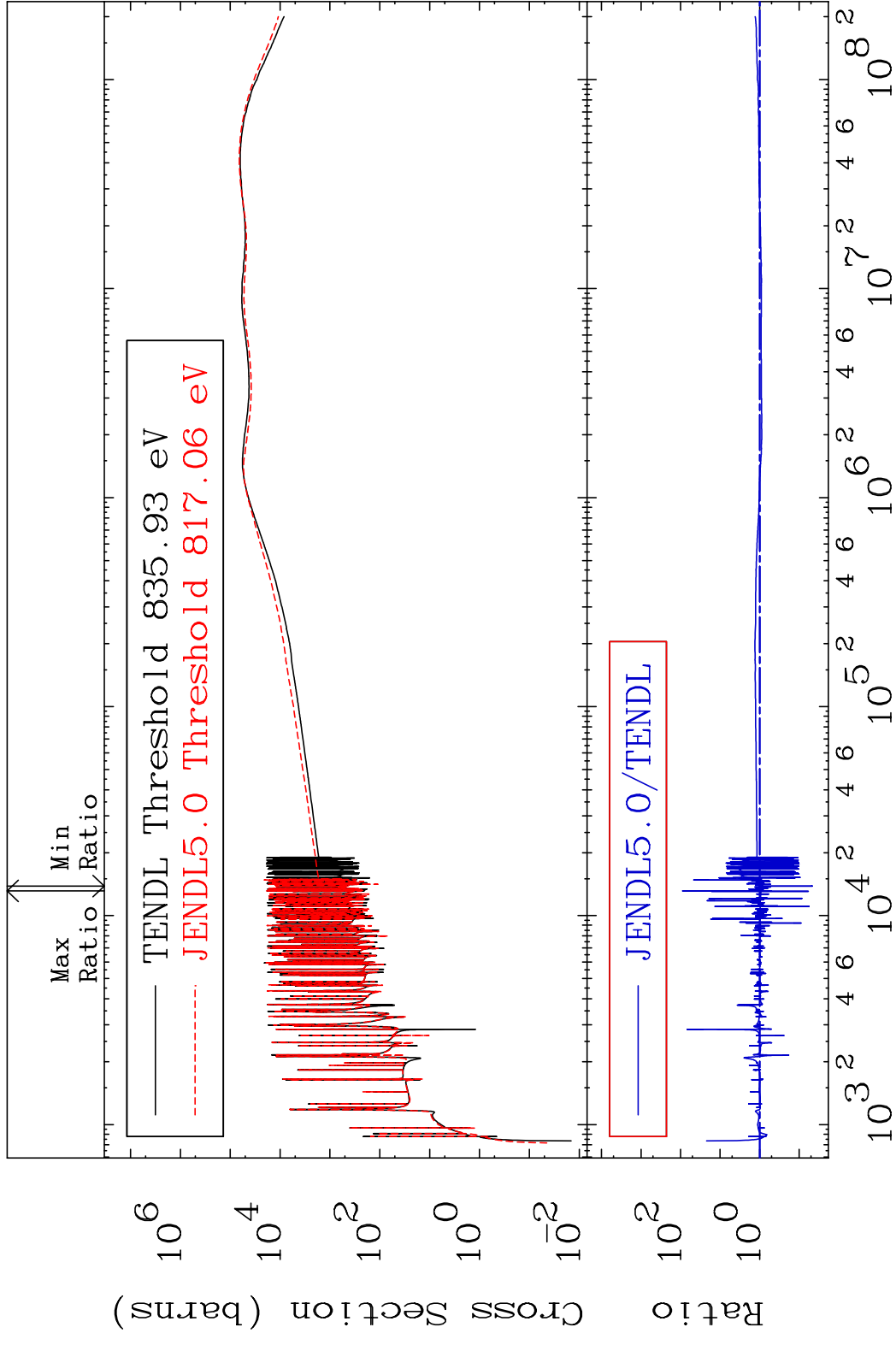


MAT 5728

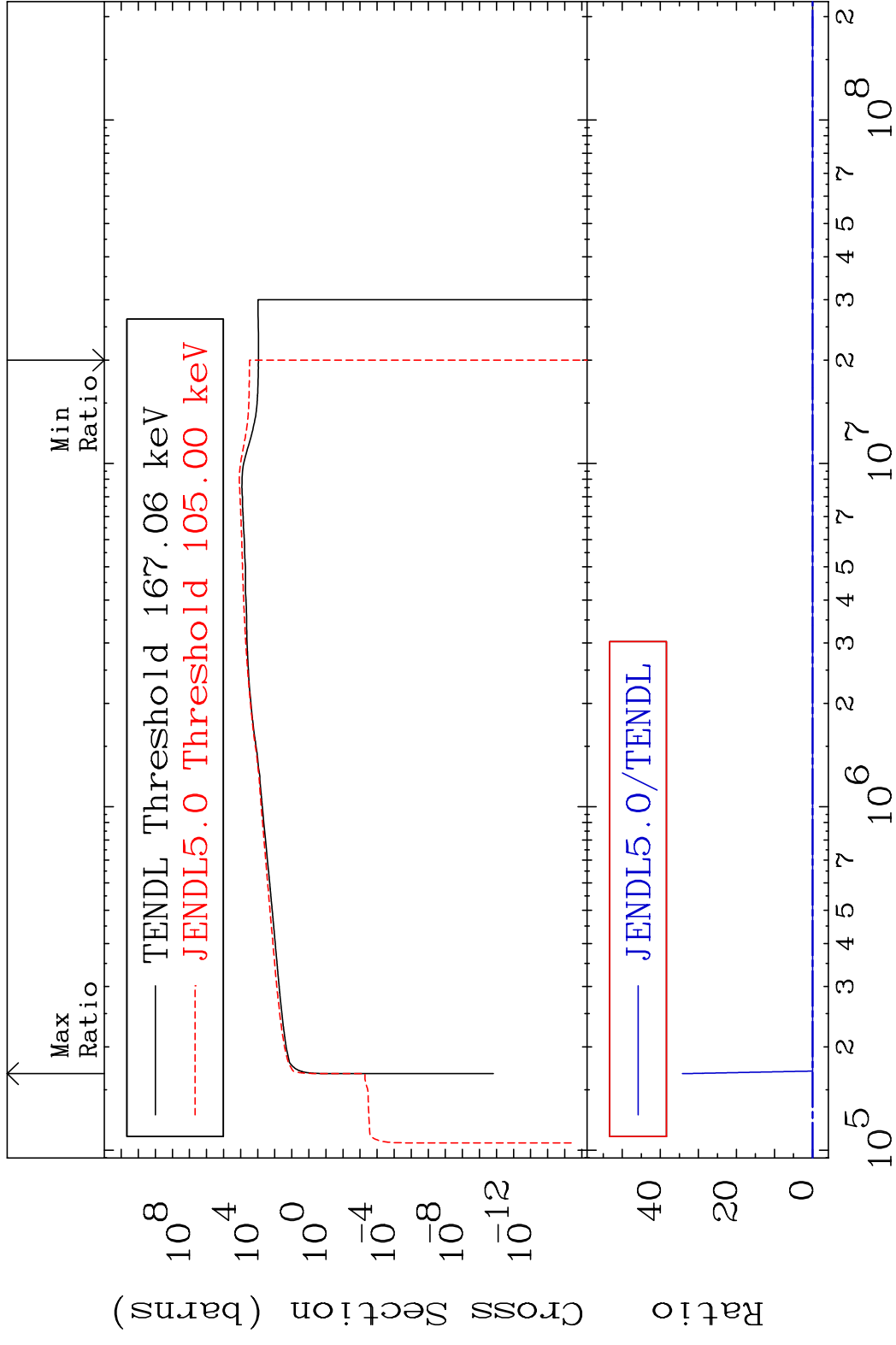
Dpa elastic (mt2)

57-La-139

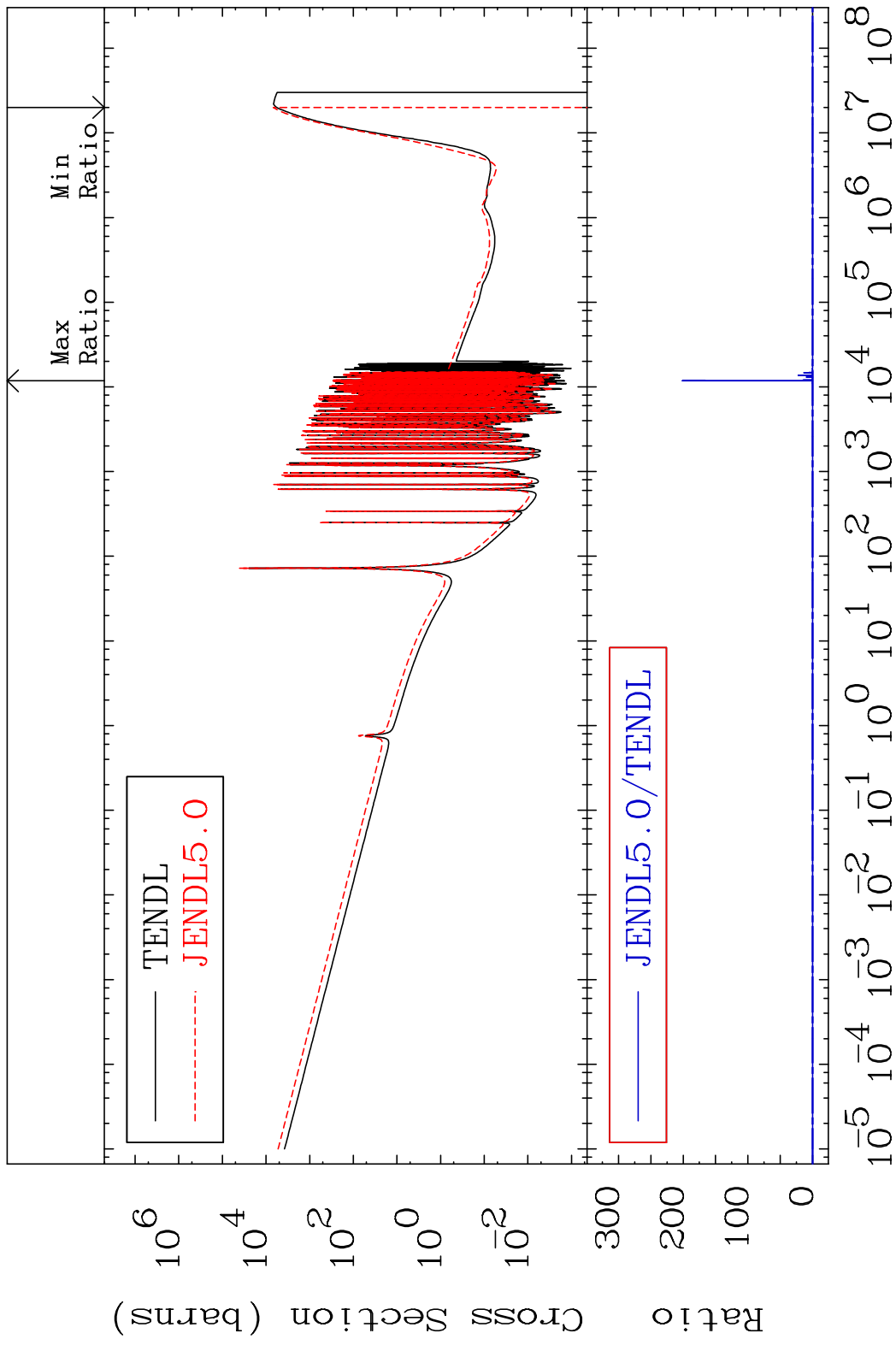
Cross Section -95.42 To 8916. %

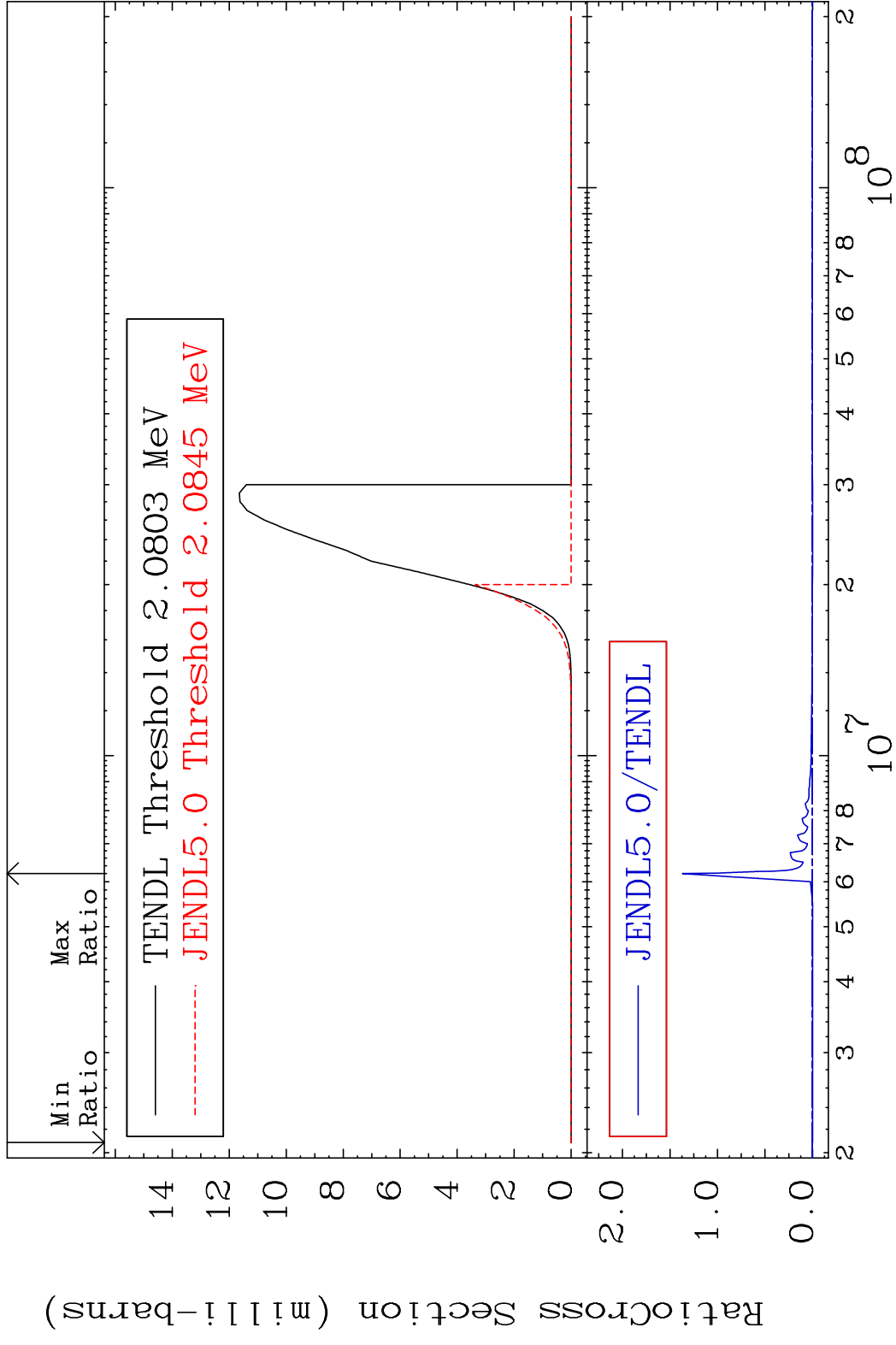


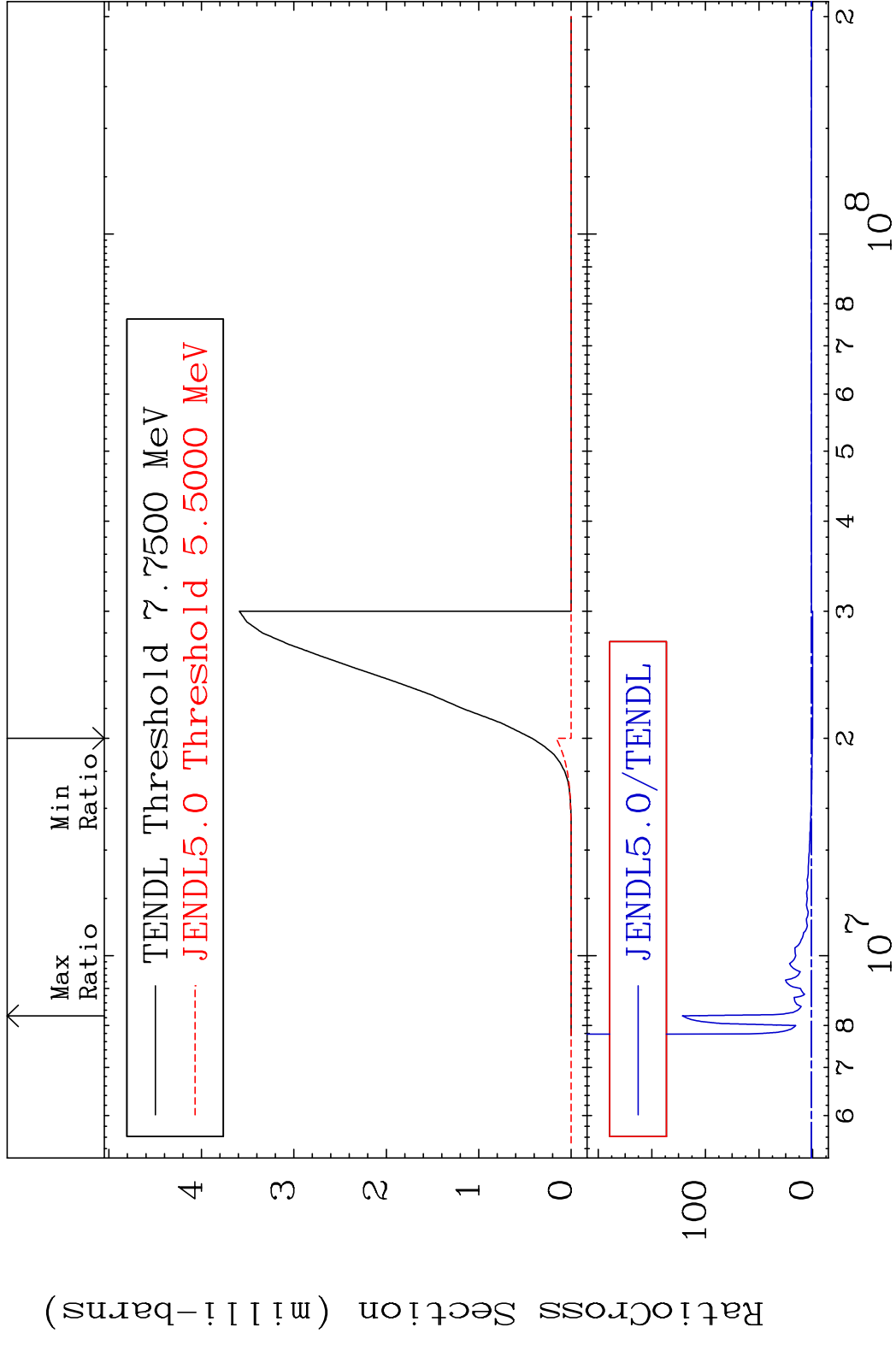
MAT 5728 Dpa inelastic (mt51-91) 57-La-139
 Cross Section -100.0 To 9999. %

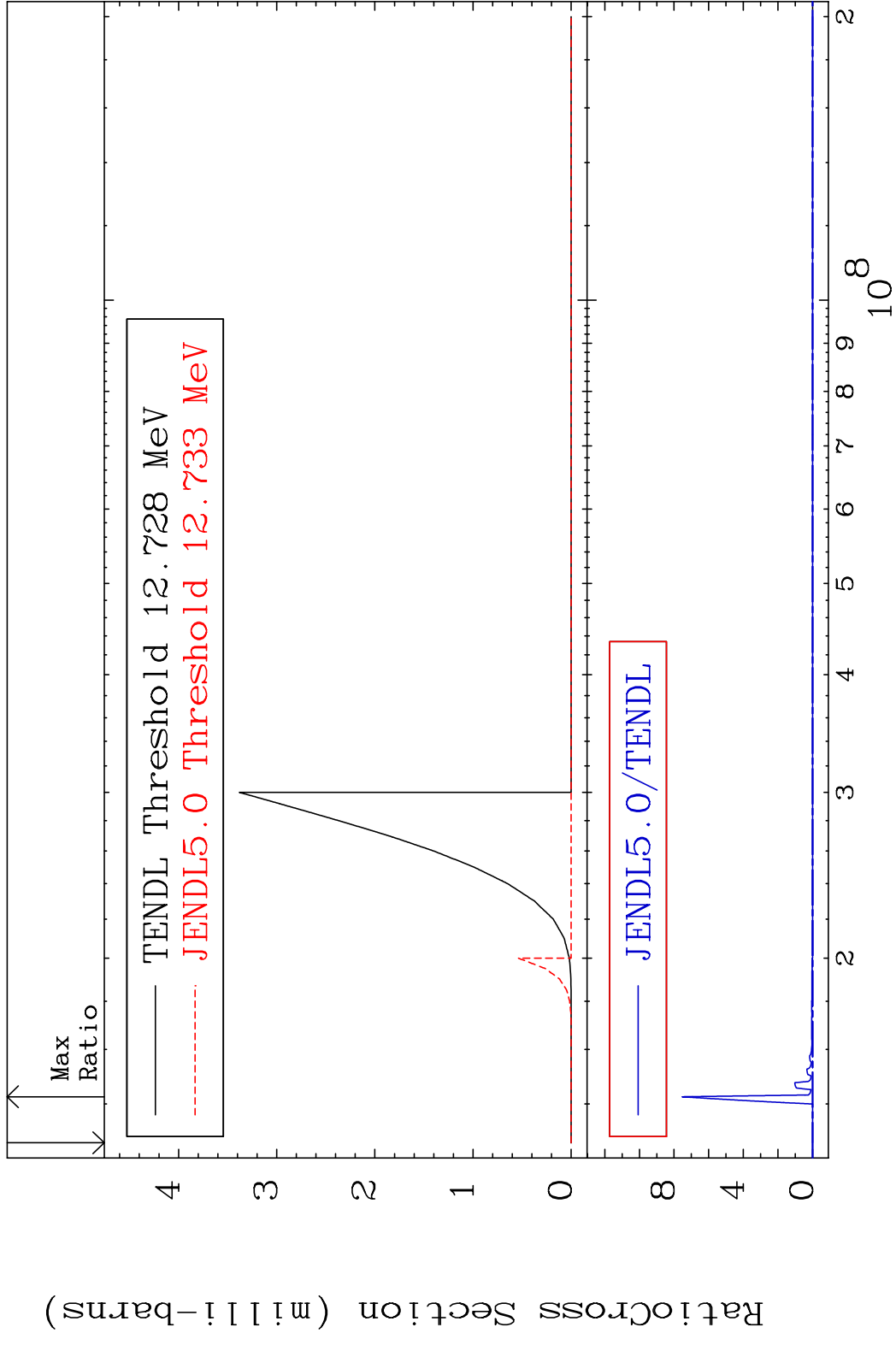


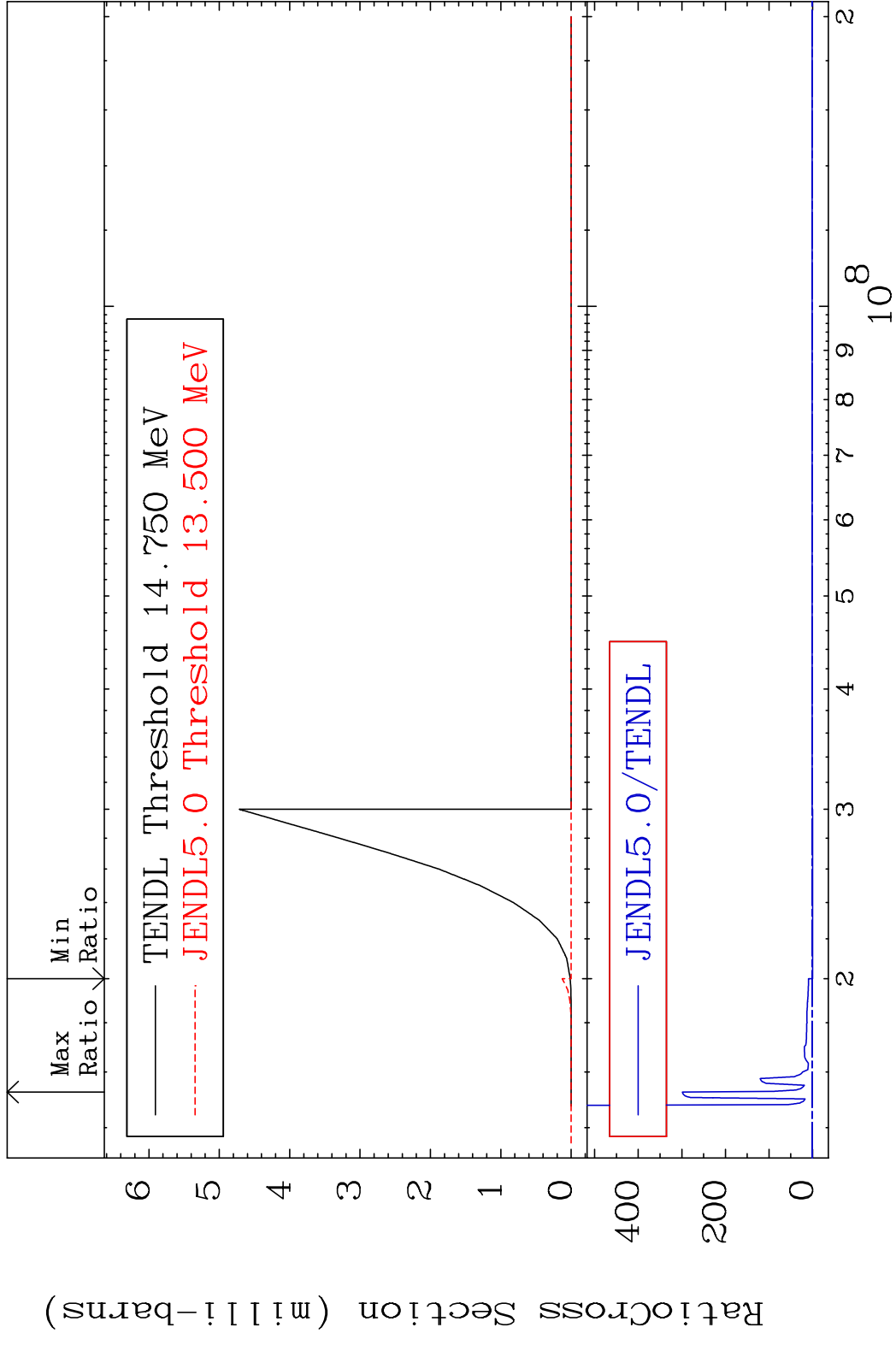
MAT 5728 Dpa disappearance (mt102 -120) 57-La-139
 Cross Section -100.0 To 9999. %

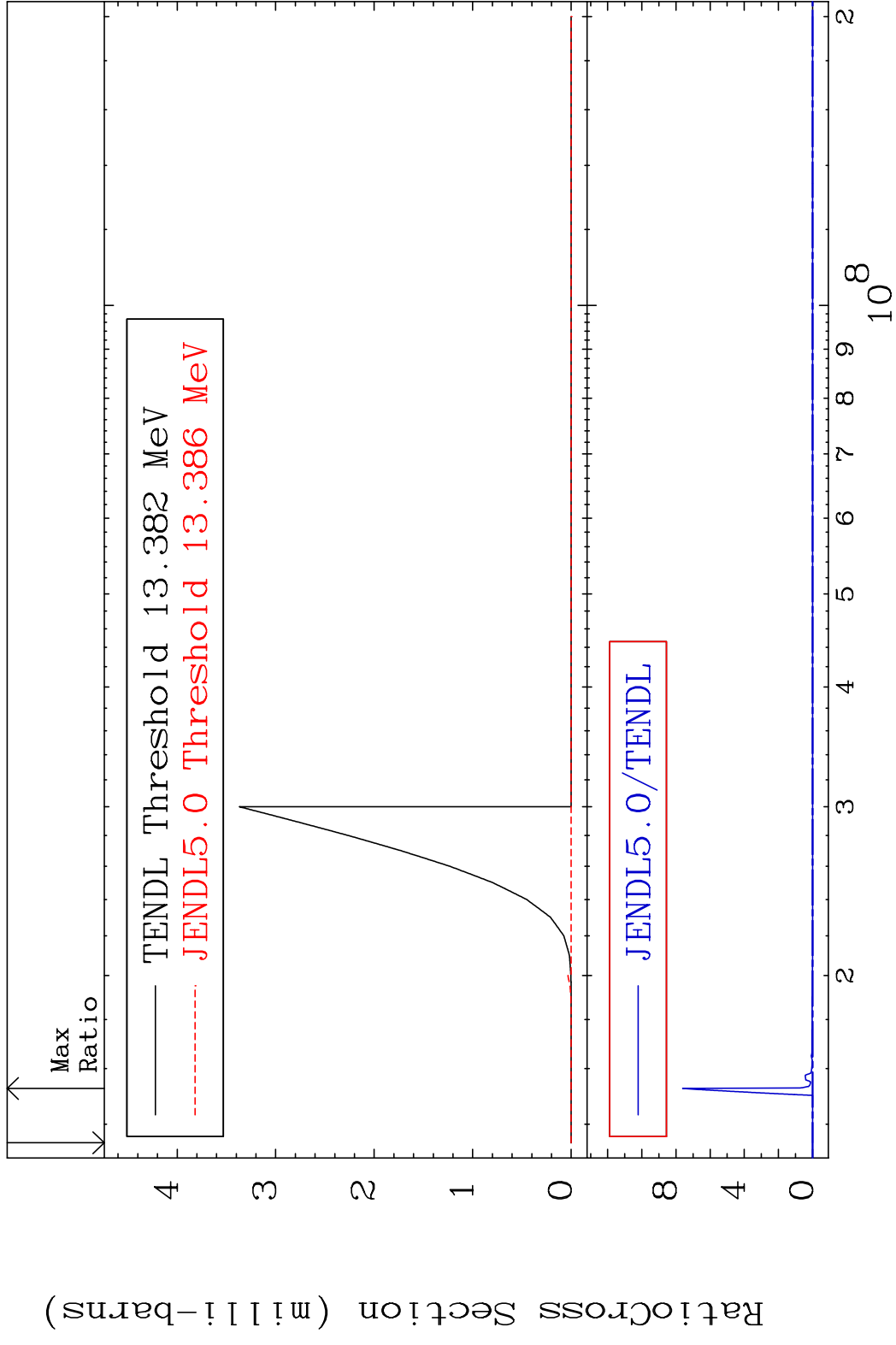












MAT 5728 (n, n') t:56-Ba-136m5 57-La-139
 Radionuclide Production Cross Section 180.0 dth 2733. %

