

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

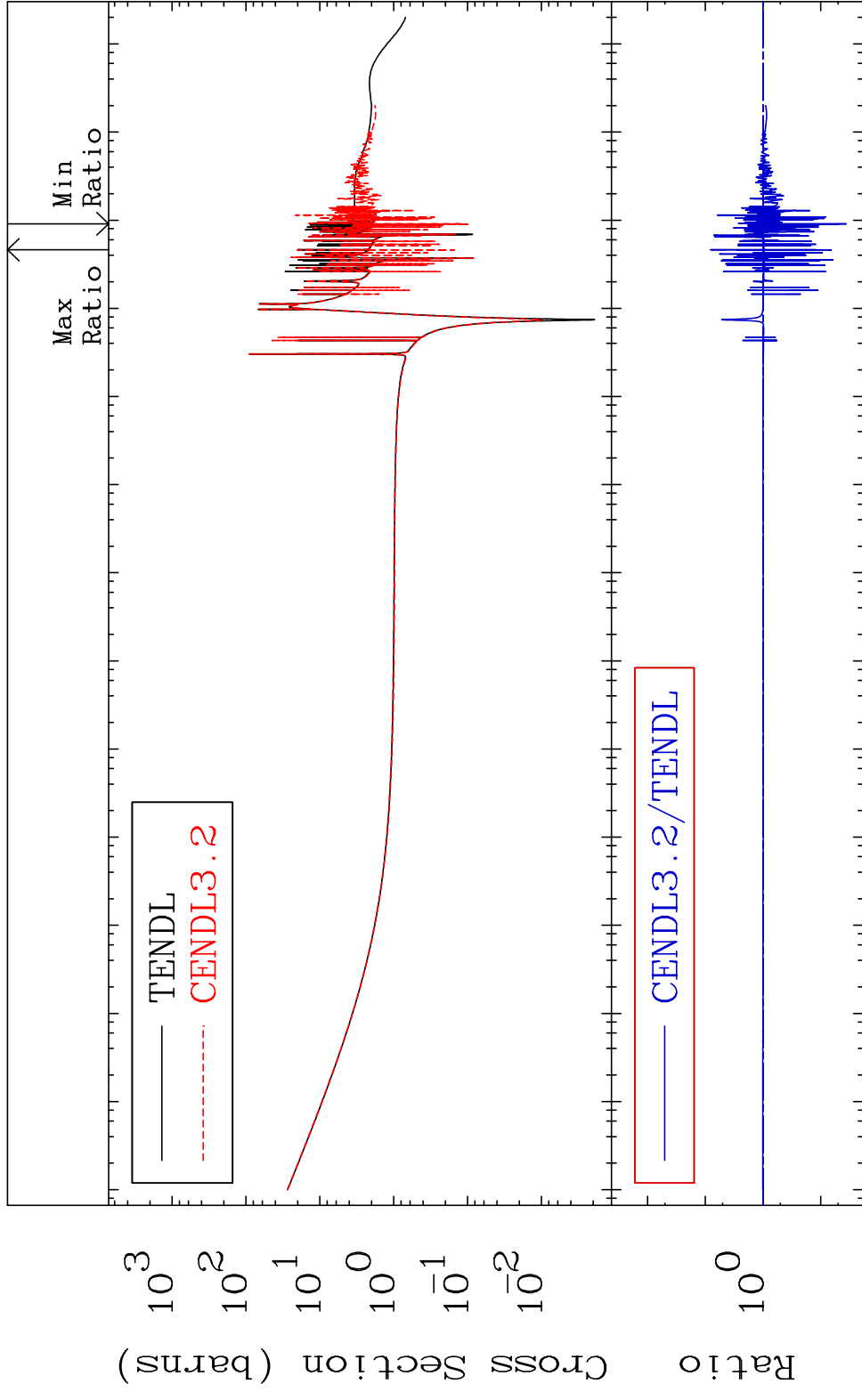
MAT 1625

Total

16-S -32

Cross Section

-96.42 To 705.0 %



1

Incident Energy (eV)

16-S -32

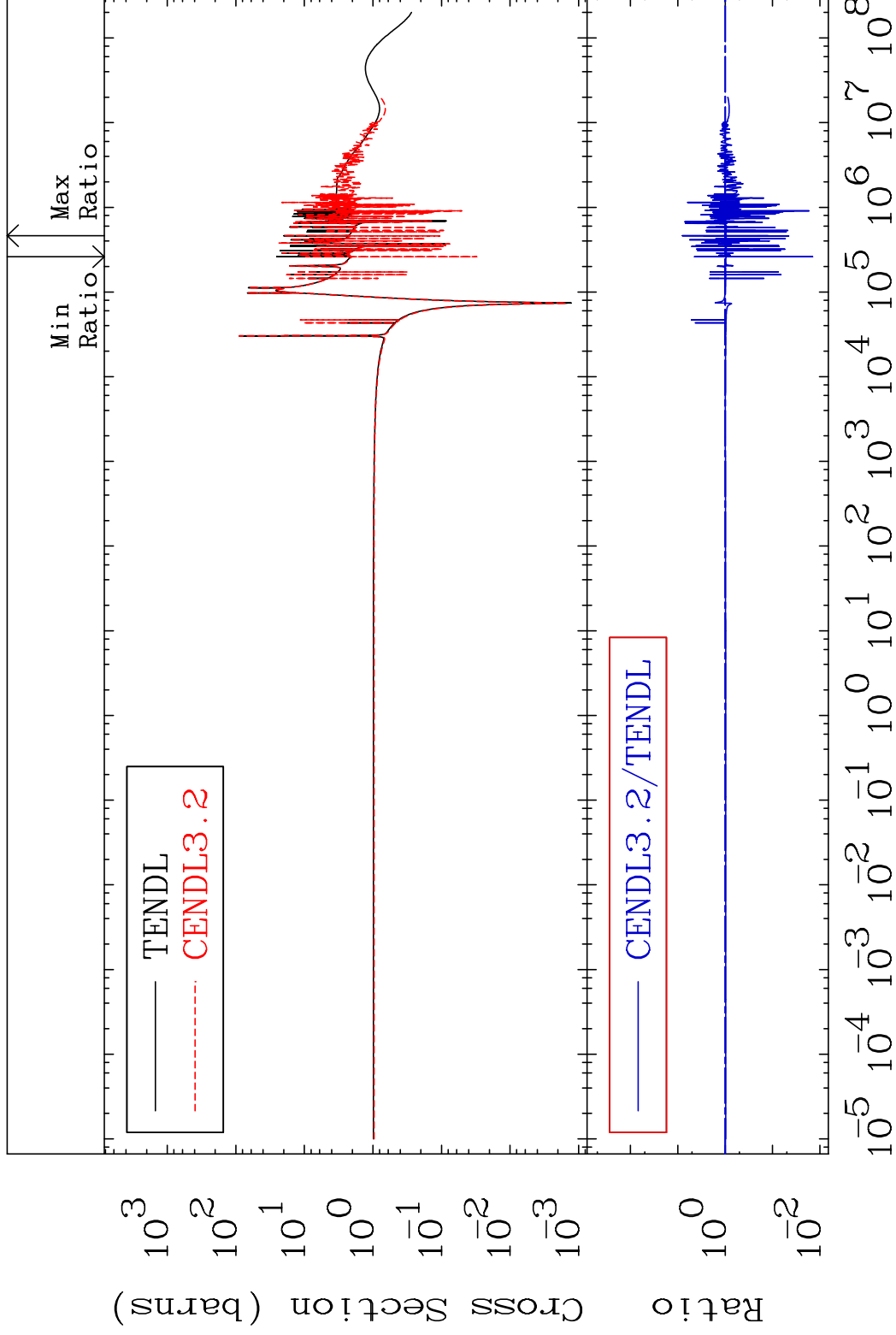
MAT 1625

Elastic

16-S -32

Cross Section

-98.57 To 701.3 %



2

Incident Energy (eV)

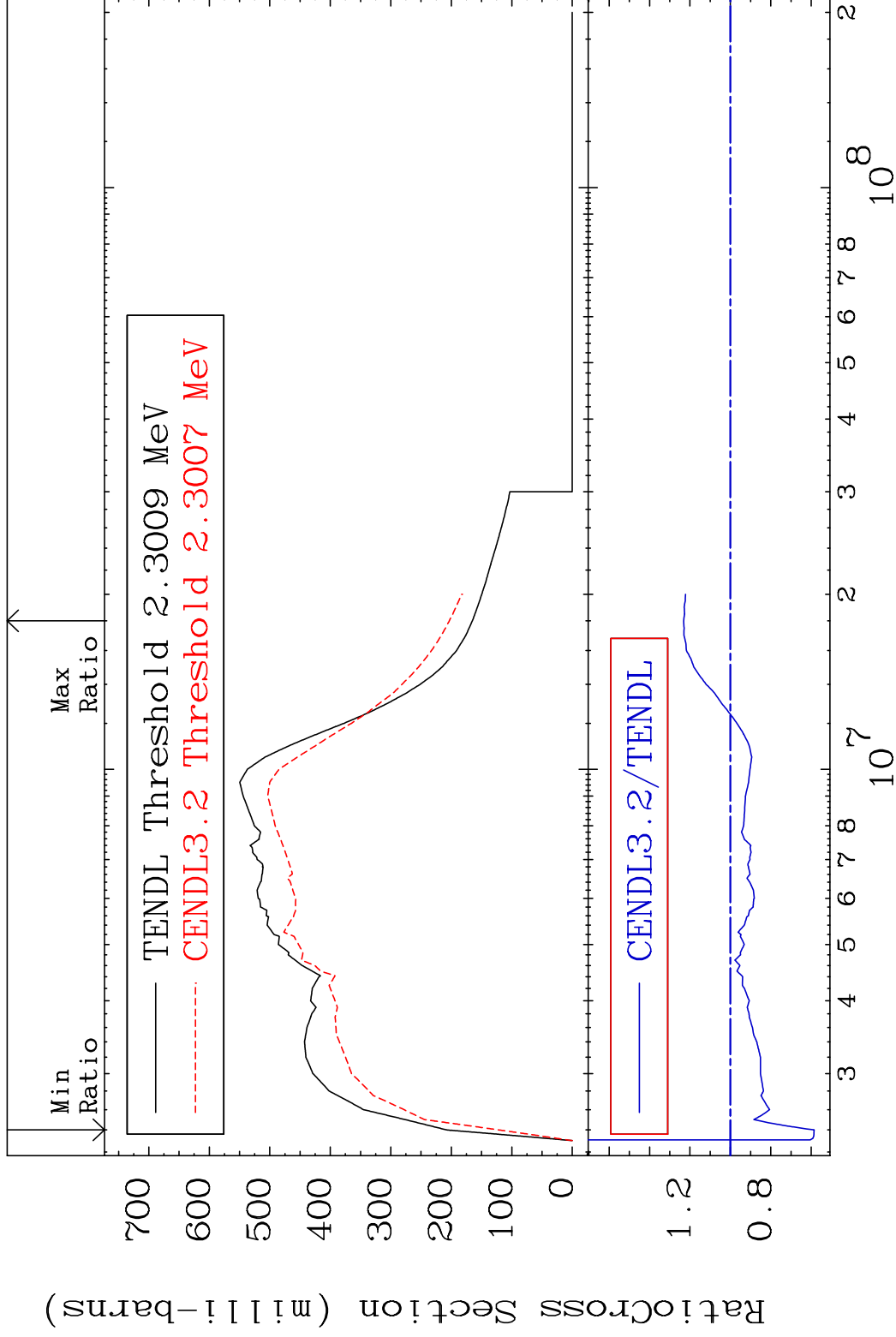
16-S -32

MAT 1625

Inelastic

16-S -32

Cross Section -41.43 To 23.12 %



3

Incident Energy (eV)

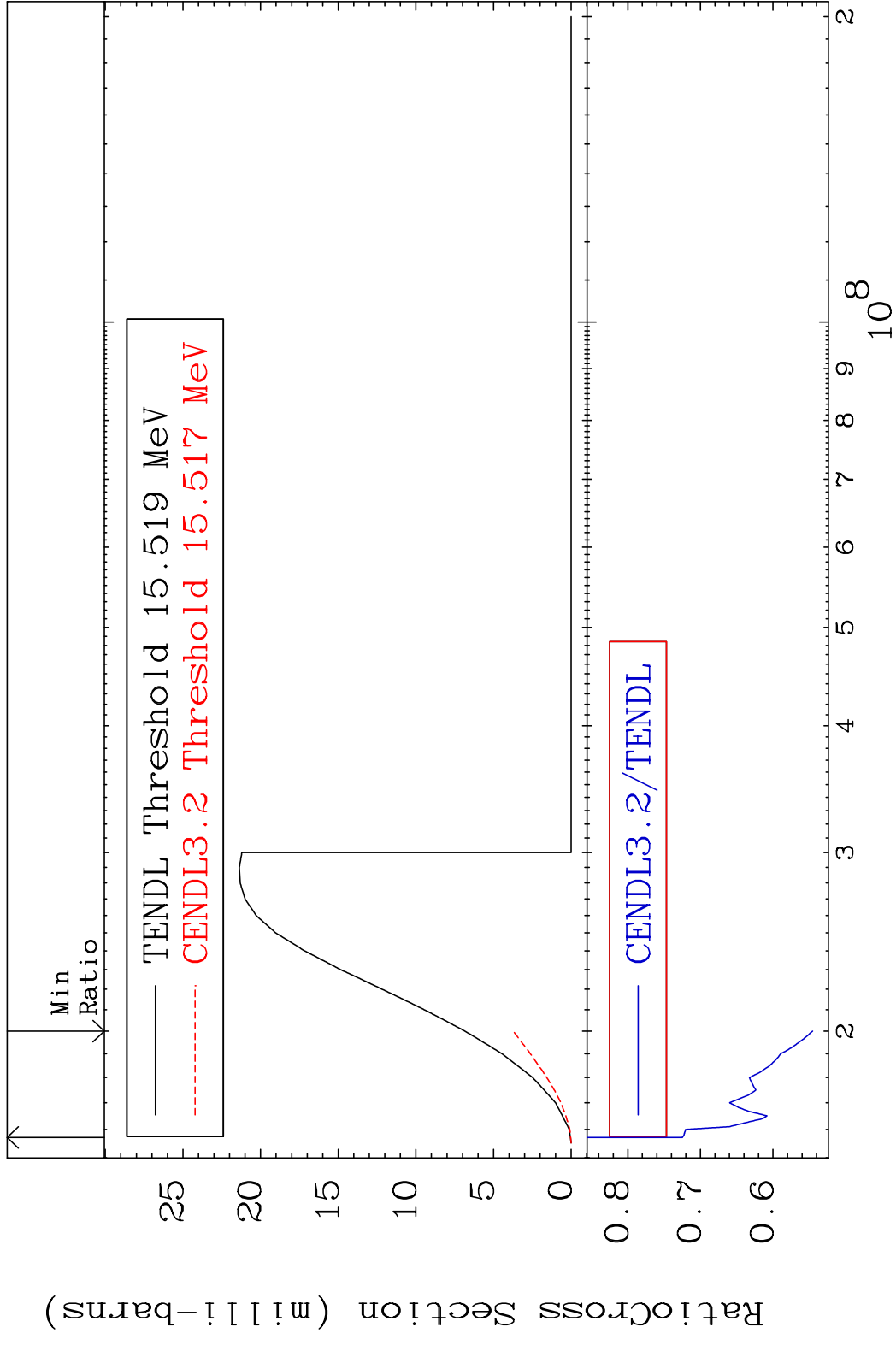
16-S -32

MAT 1625

(n,2n)

16-S -32

Cross Section -45.45 To -27.52%

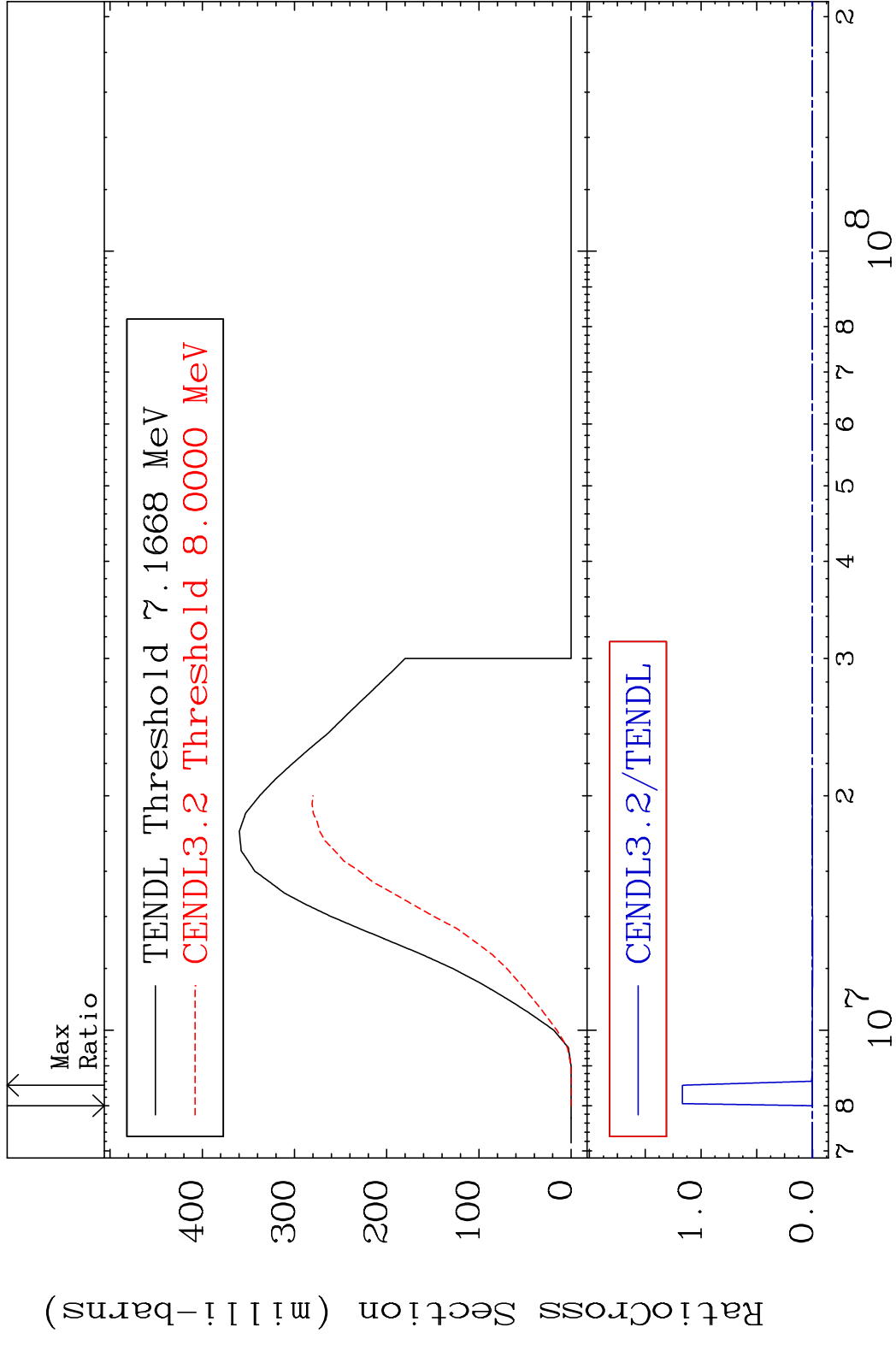


4

Incident Energy (eV)

16-S -32

MAT 1625 (n, n') α 16-S -32
 Cross Section -100.0 To 9999. %



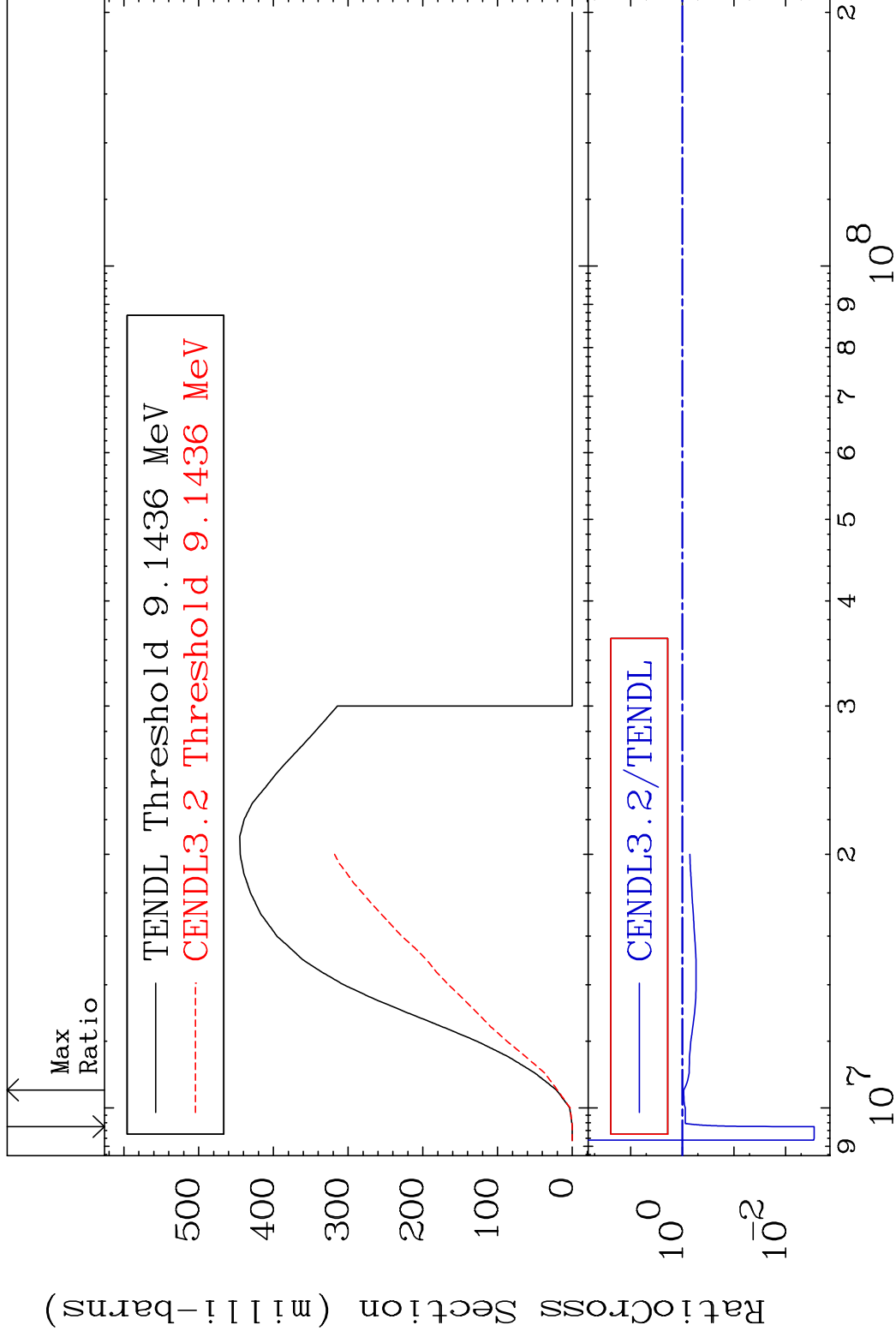
5 Incident Energy (eV) 16-S -32

MAT 1625

(n, n') p

16-S -32

Cross Section -99.72 To -5.921%

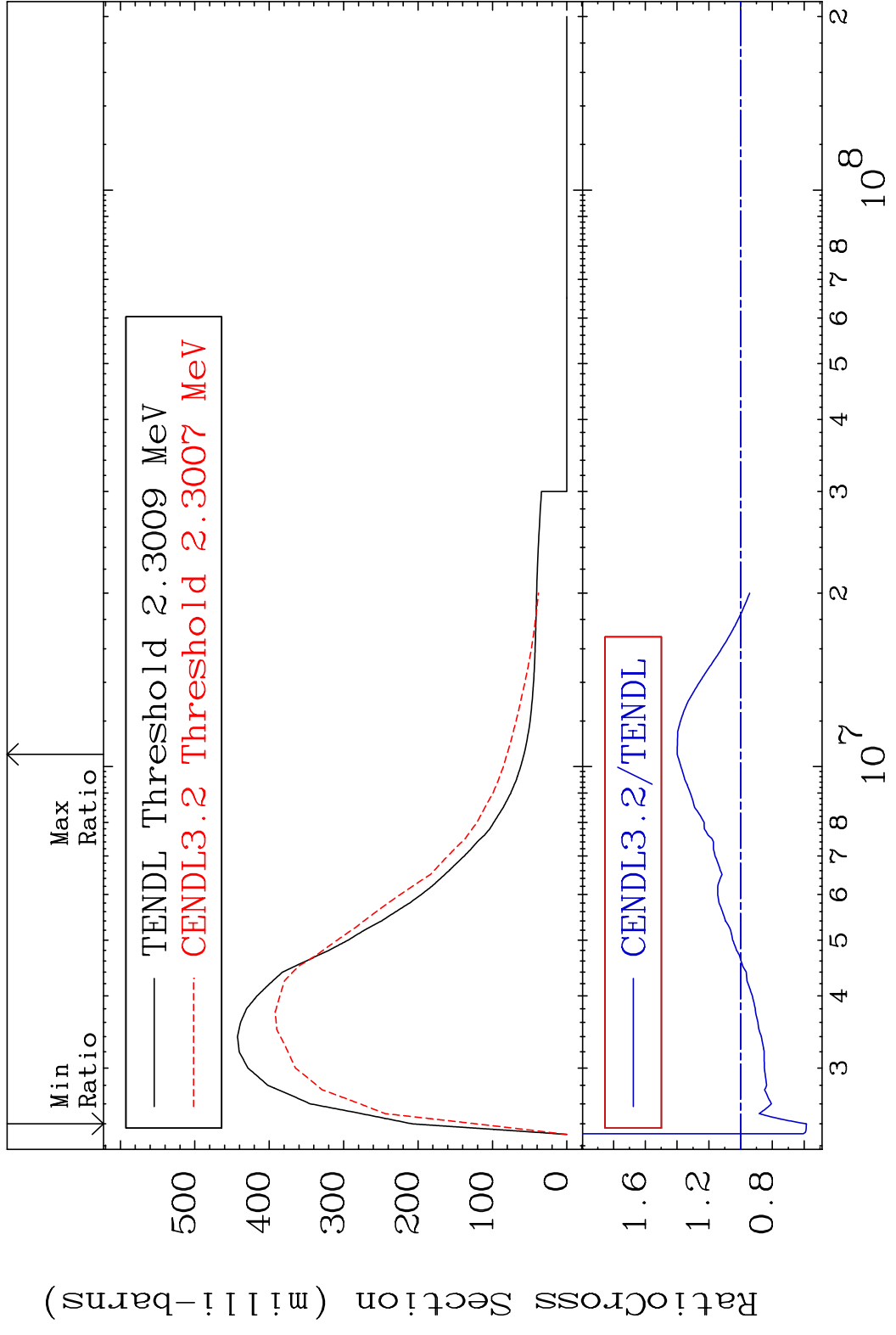


6

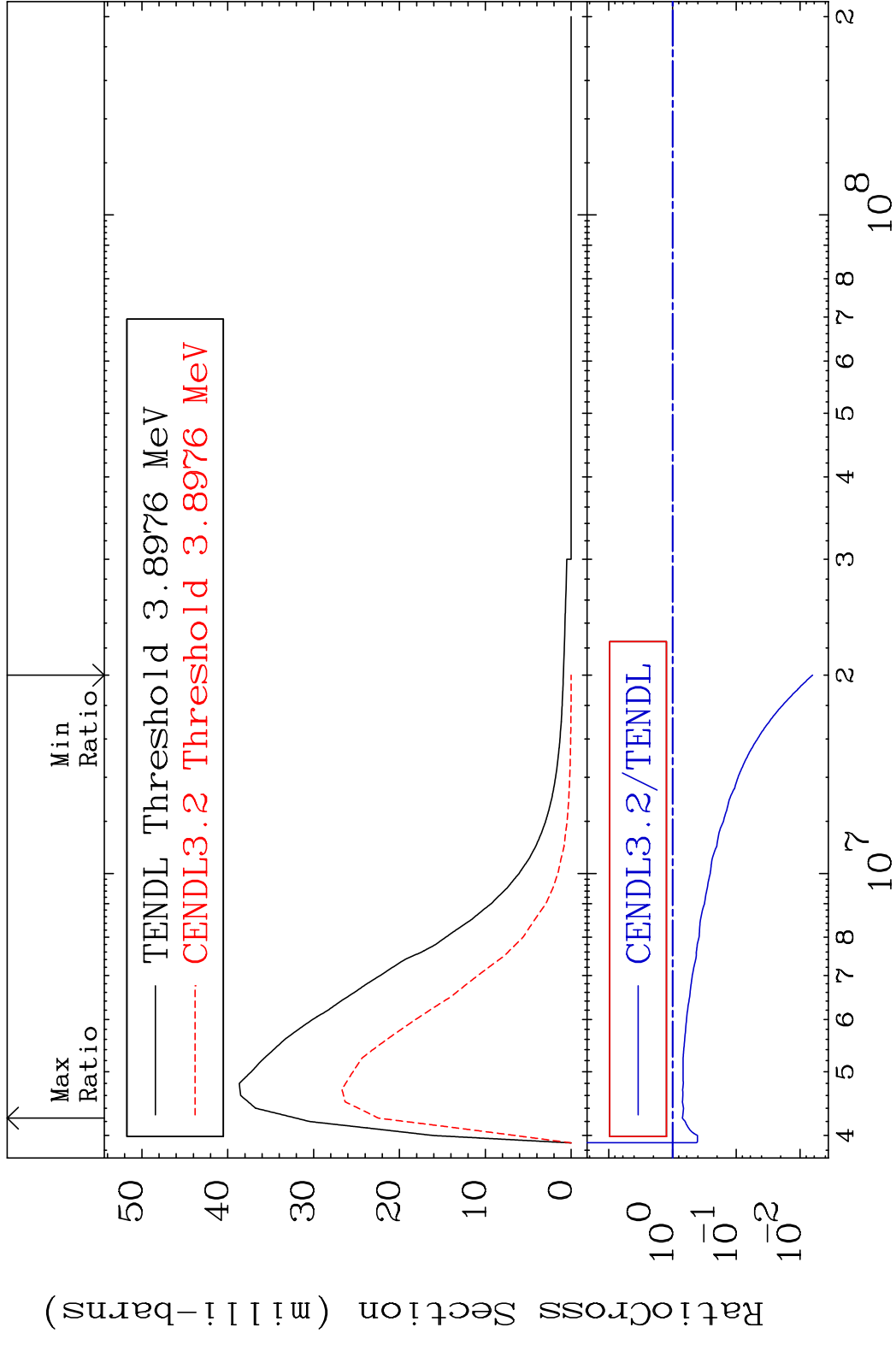
Incident Energy (eV)

16-S -32

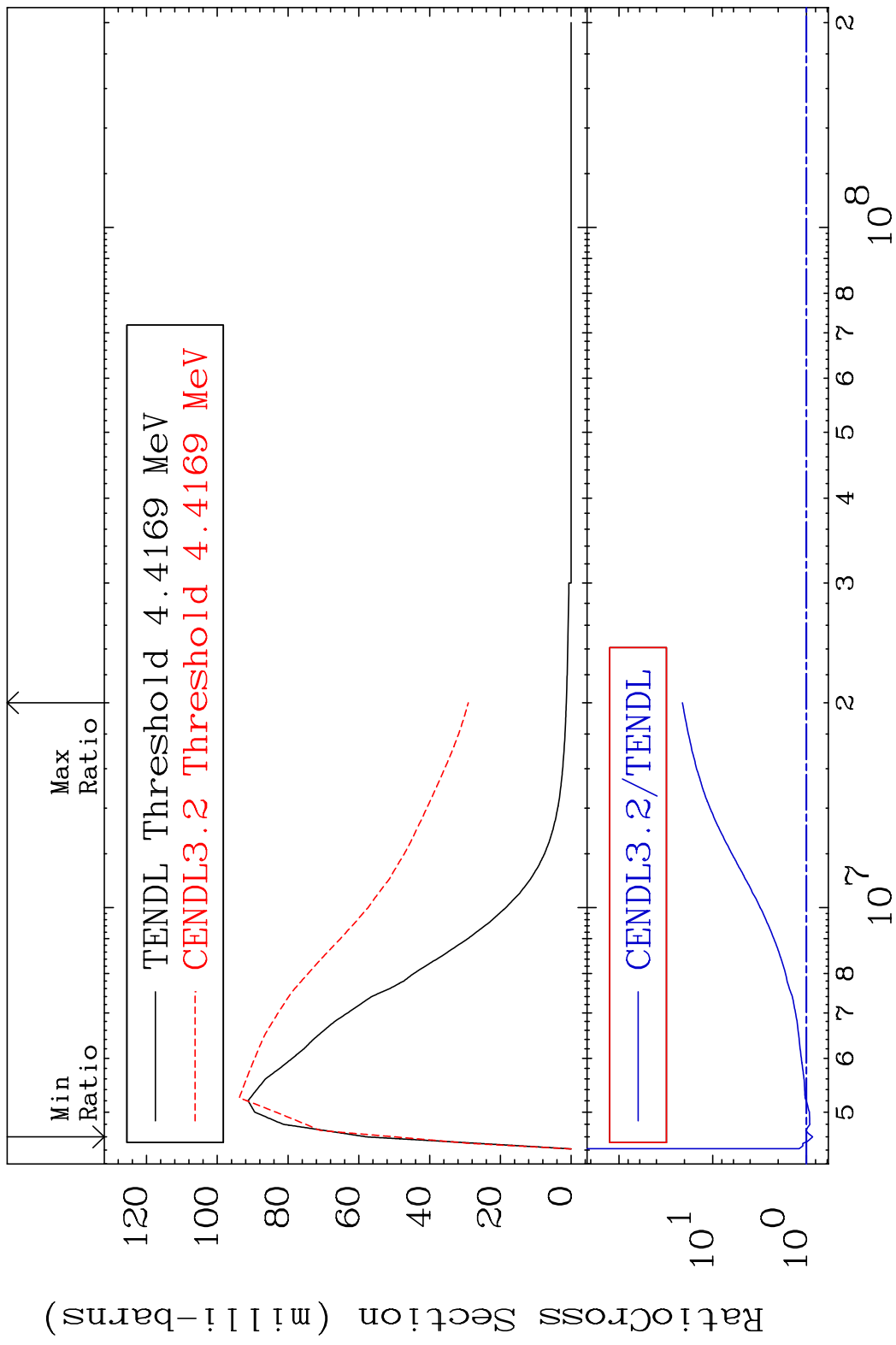
MAT 1625 MT= 51 (n,n') Level 16-S -32
 Cross Section -41.43 To 39.94 %



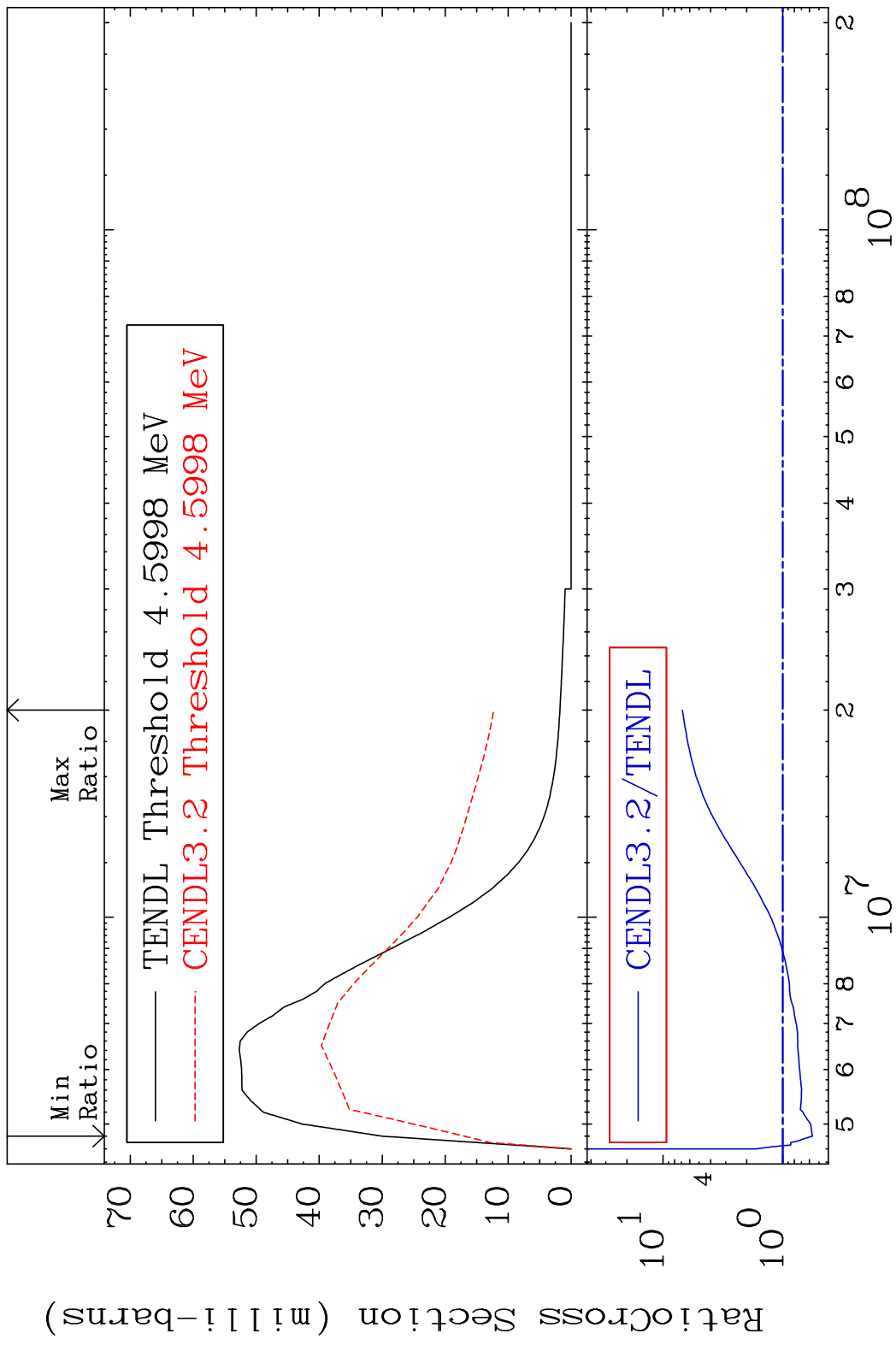
MAT 1625 MT= 52 (n,n') Level 16-S -32
 Cross Section -99.37 To -29.92%



MAT 1625 MT= 53 (n, n') Level 16-S -32
 Cross Section -13.87 To 2008. %

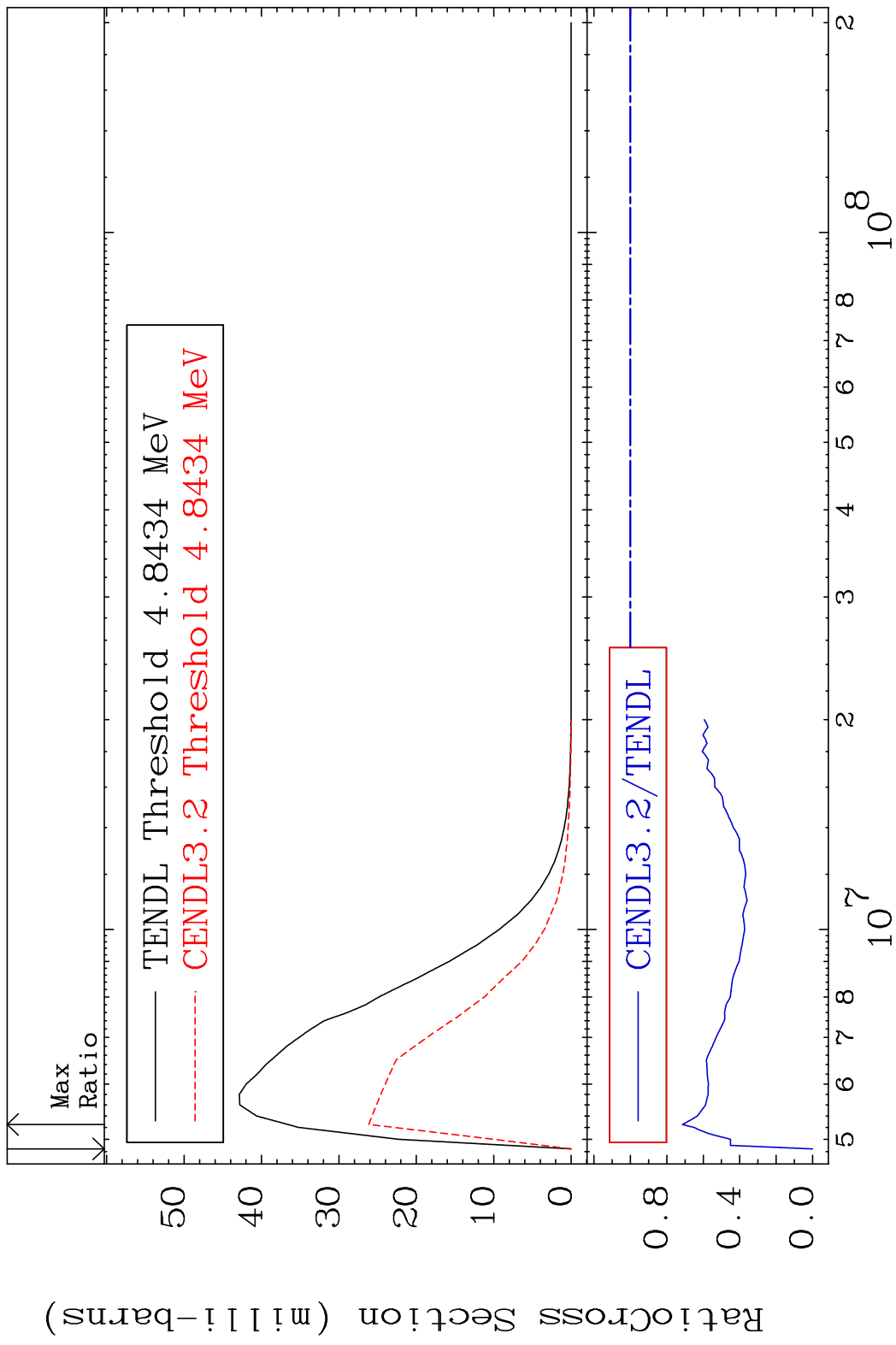


MAT 1625 MT= 54 (n,n') Level 16-S -32
 Cross Section -43.51 To 589.5 %

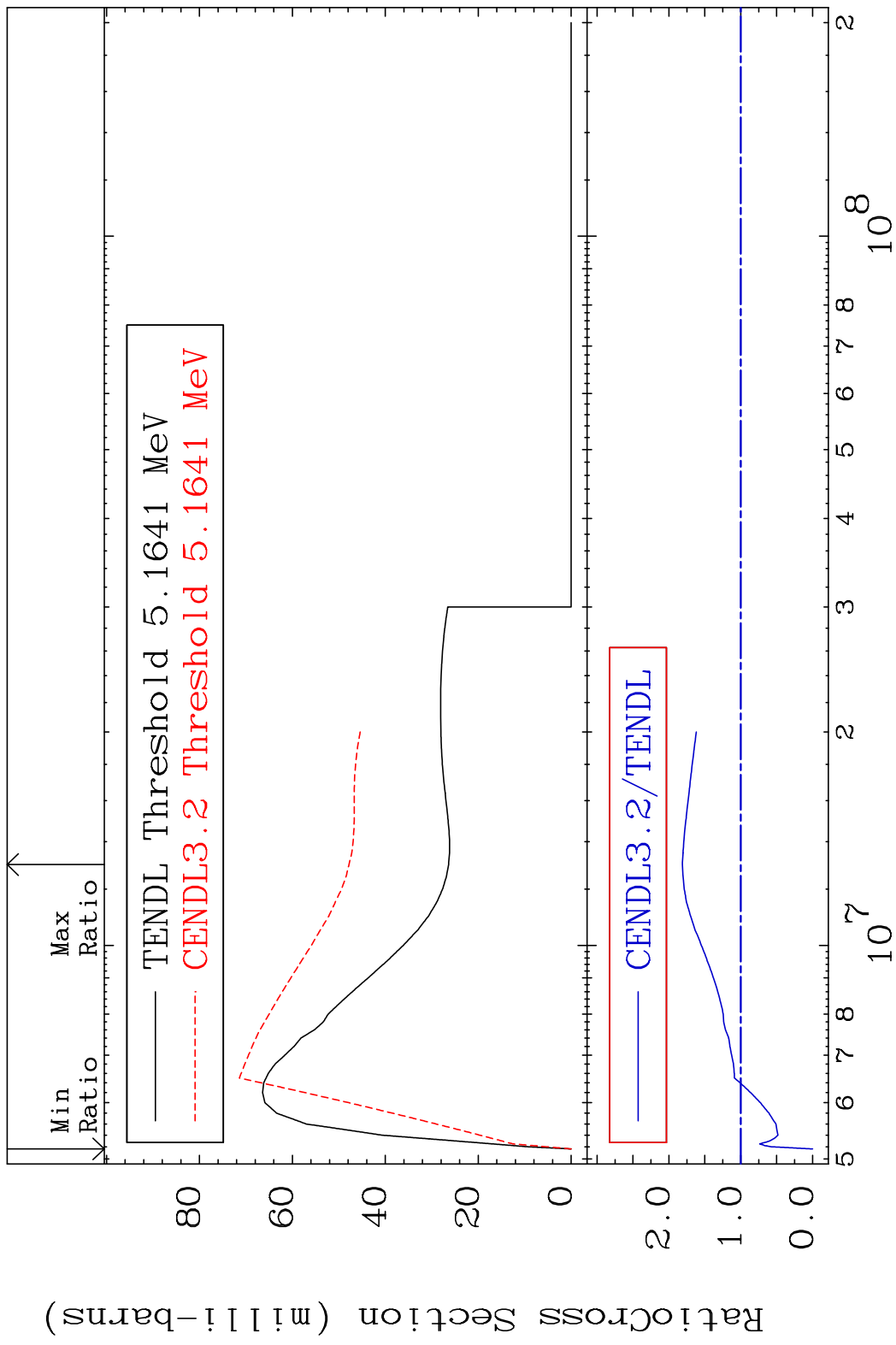


10 16-S -32

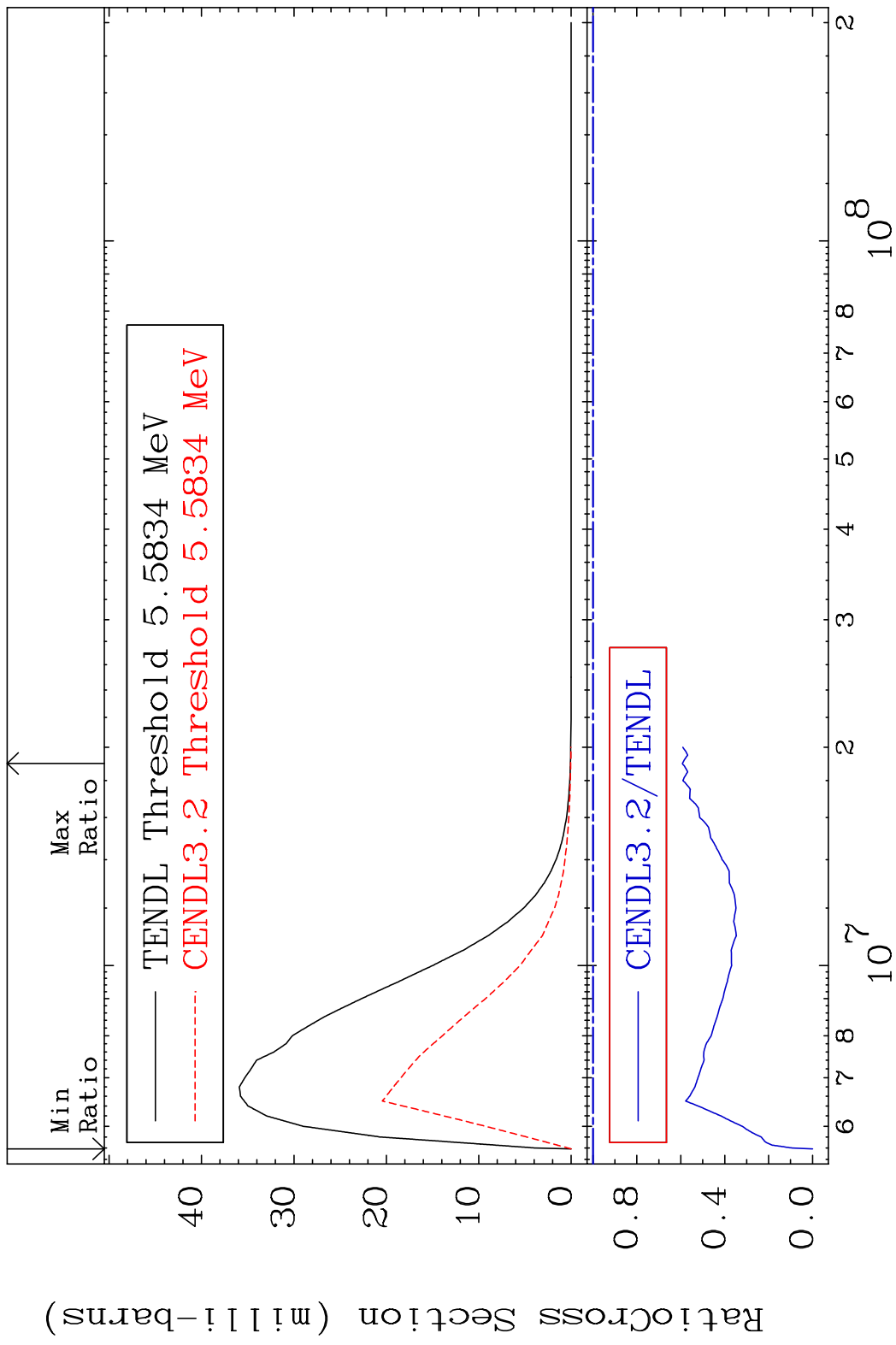
MAT 1625 MT= 55 (n,n') Level 16-S -32
 Cross Section -100.0 To -28.51%



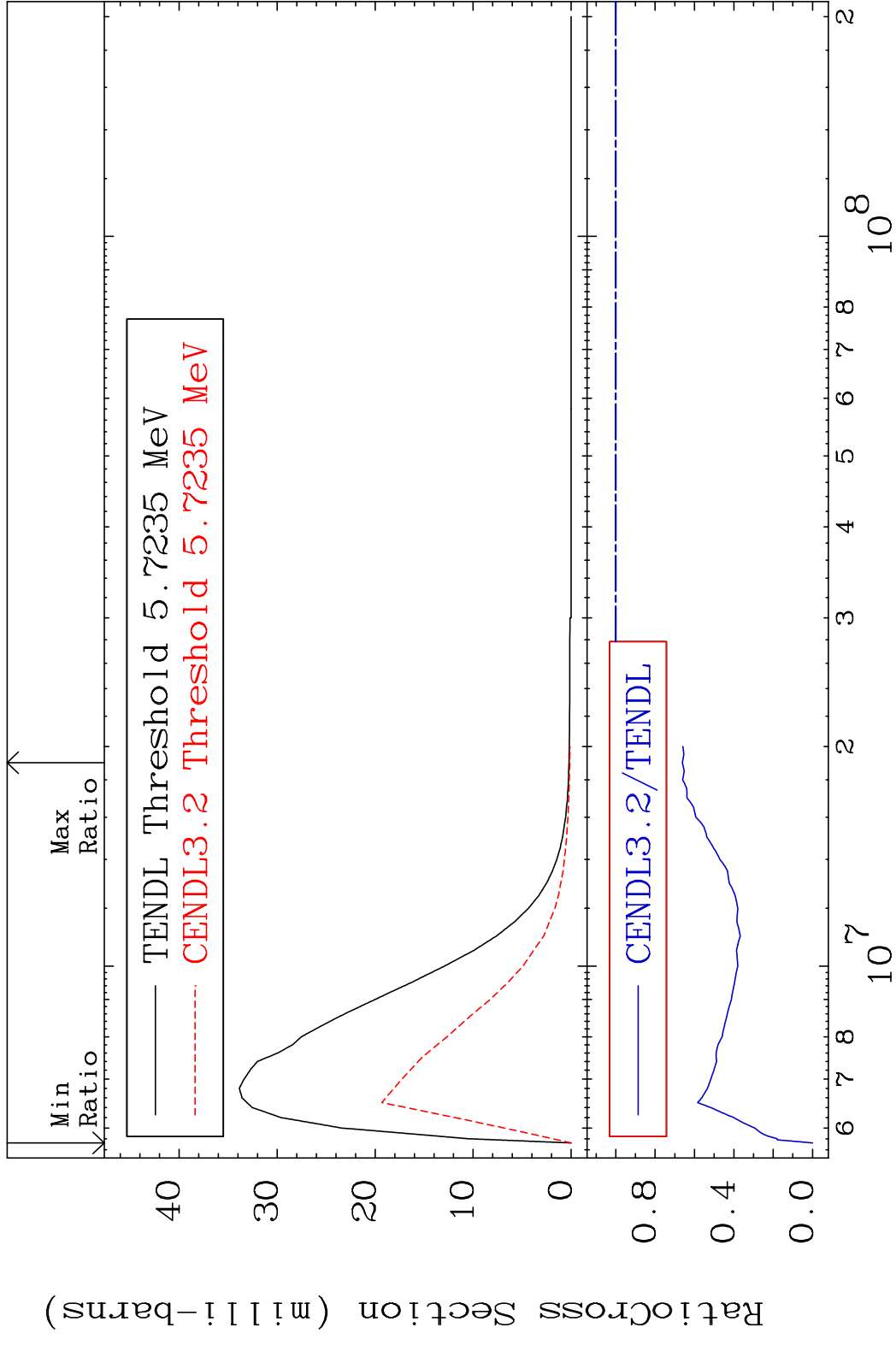
MAT 1625 MT= 56 (n,n') Level 16-S -32
 Cross Section -100.0 To 81.27 %



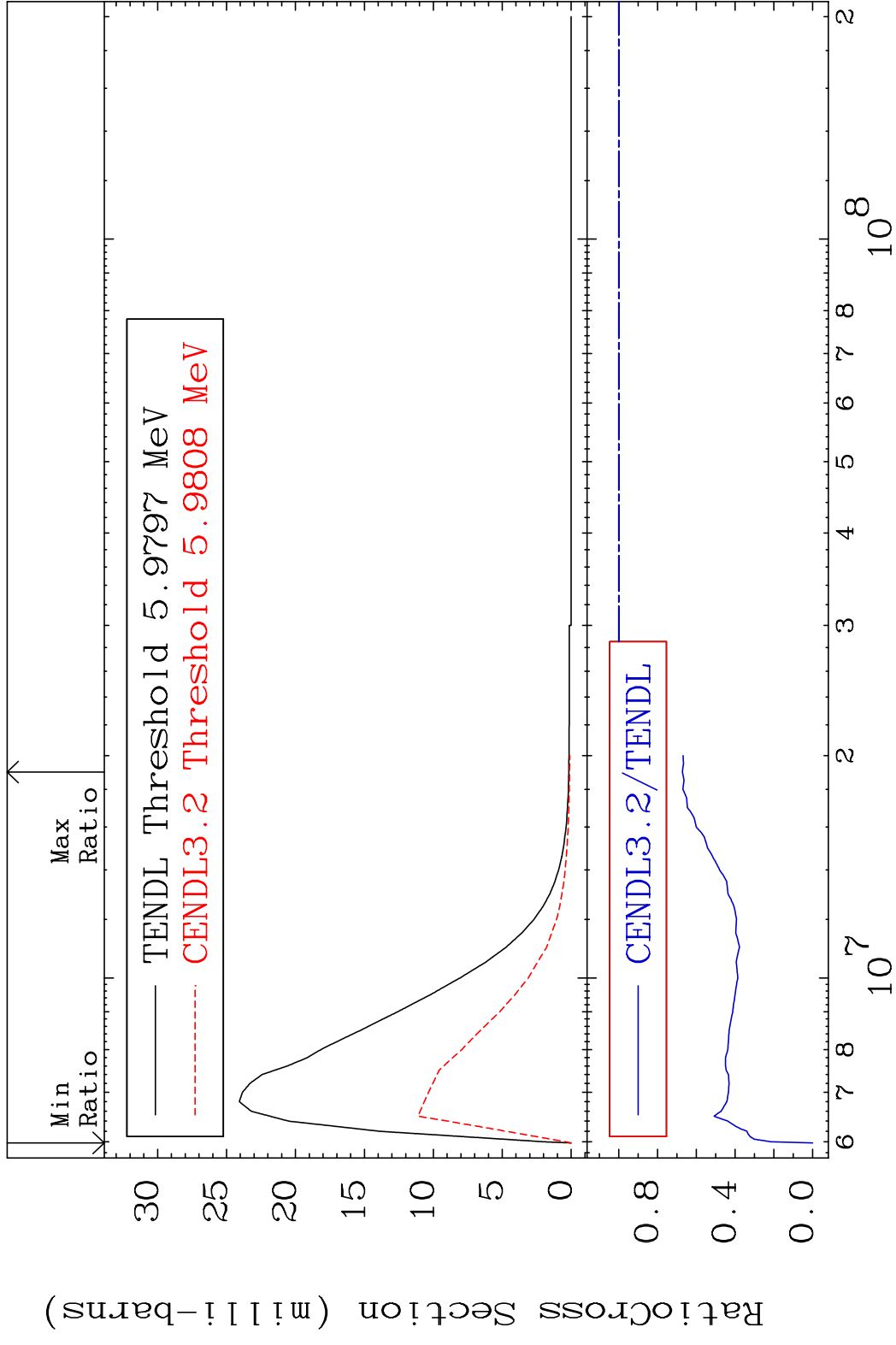
MAT 1625 MT= 57 (n,n') Level 16-S -32
 Cross Section -100.0 To -40.72%



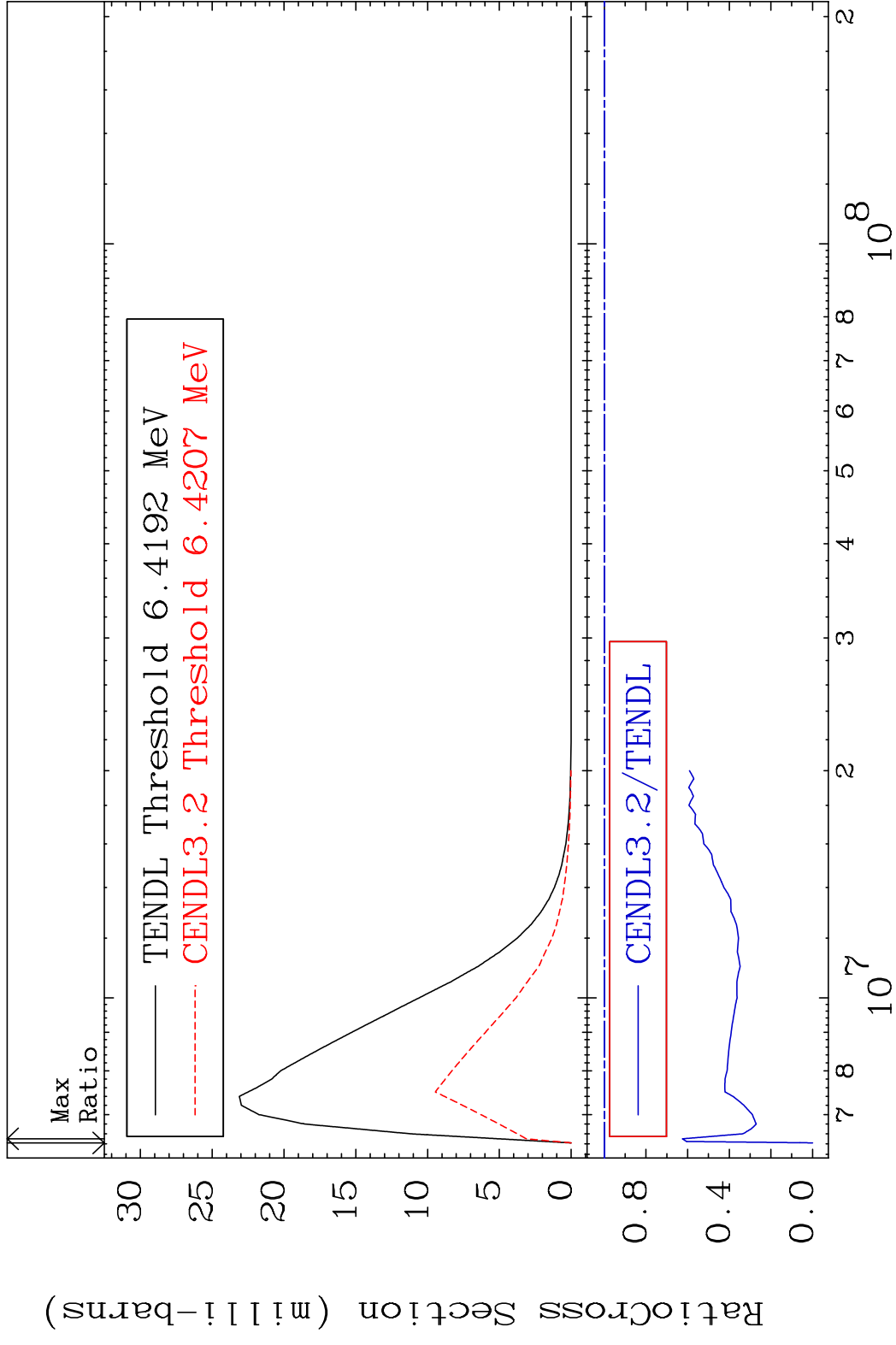
MAT 1625 MT= 58 (n,n') Level 16-S -32
 Cross Section -100.0 To -33.83%



MAT 1625 MT= 59 (n,n') Level 16-S -32
 Cross Section -100.0 To -32.82%

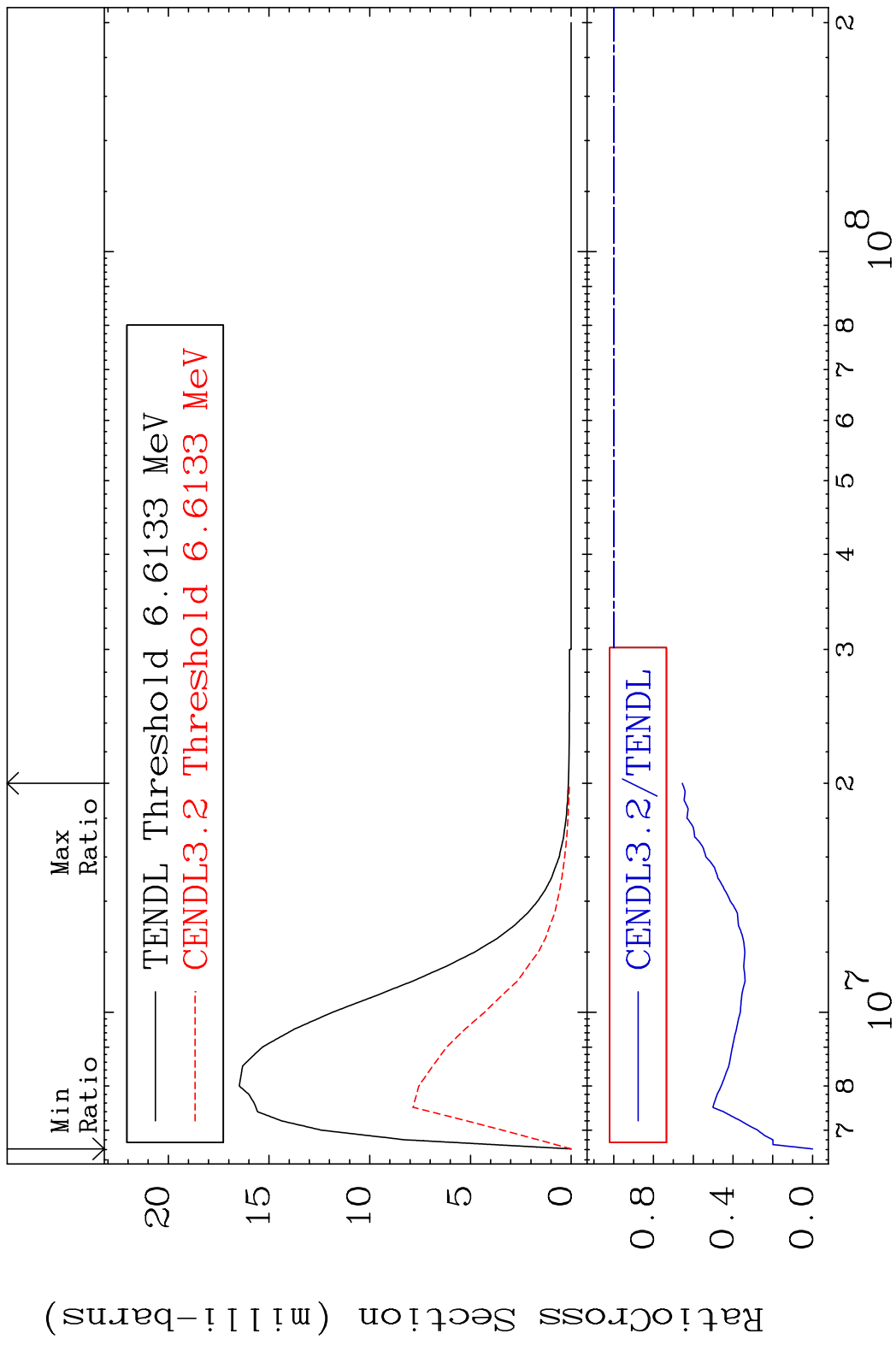


MAT 1625 MT= 60 (n,n') Level 16-S -32
 Cross Section -100.0 To -37.47%

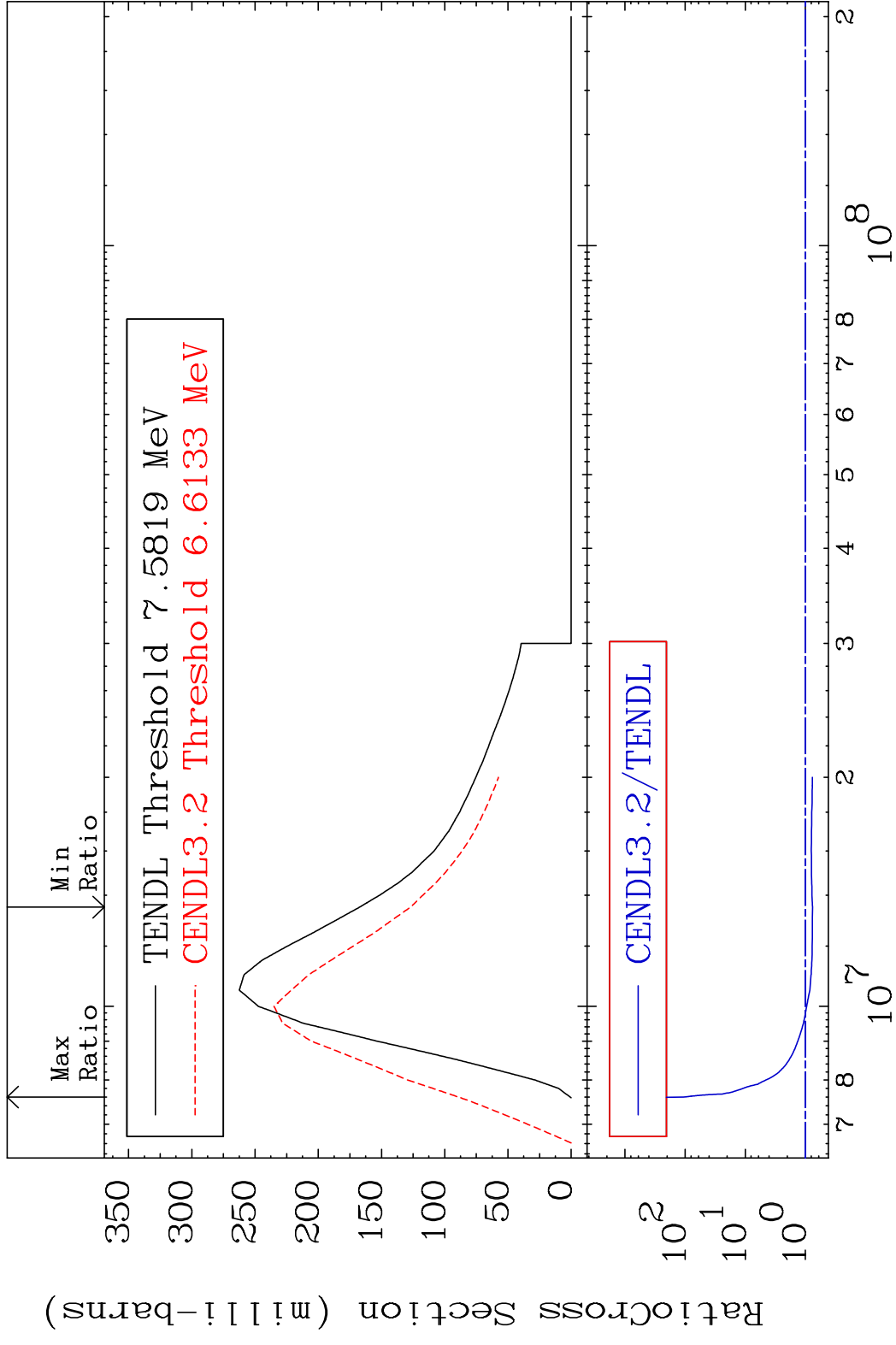


16 16-S -32

MAT 1625 MT= 61 (n,n') Level 16-S -32
 Cross Section -100.0 To -34.52%



MAT 1625 (n,n') Continuum 16-S -32
 Cross Section -24.12 To 9999. %

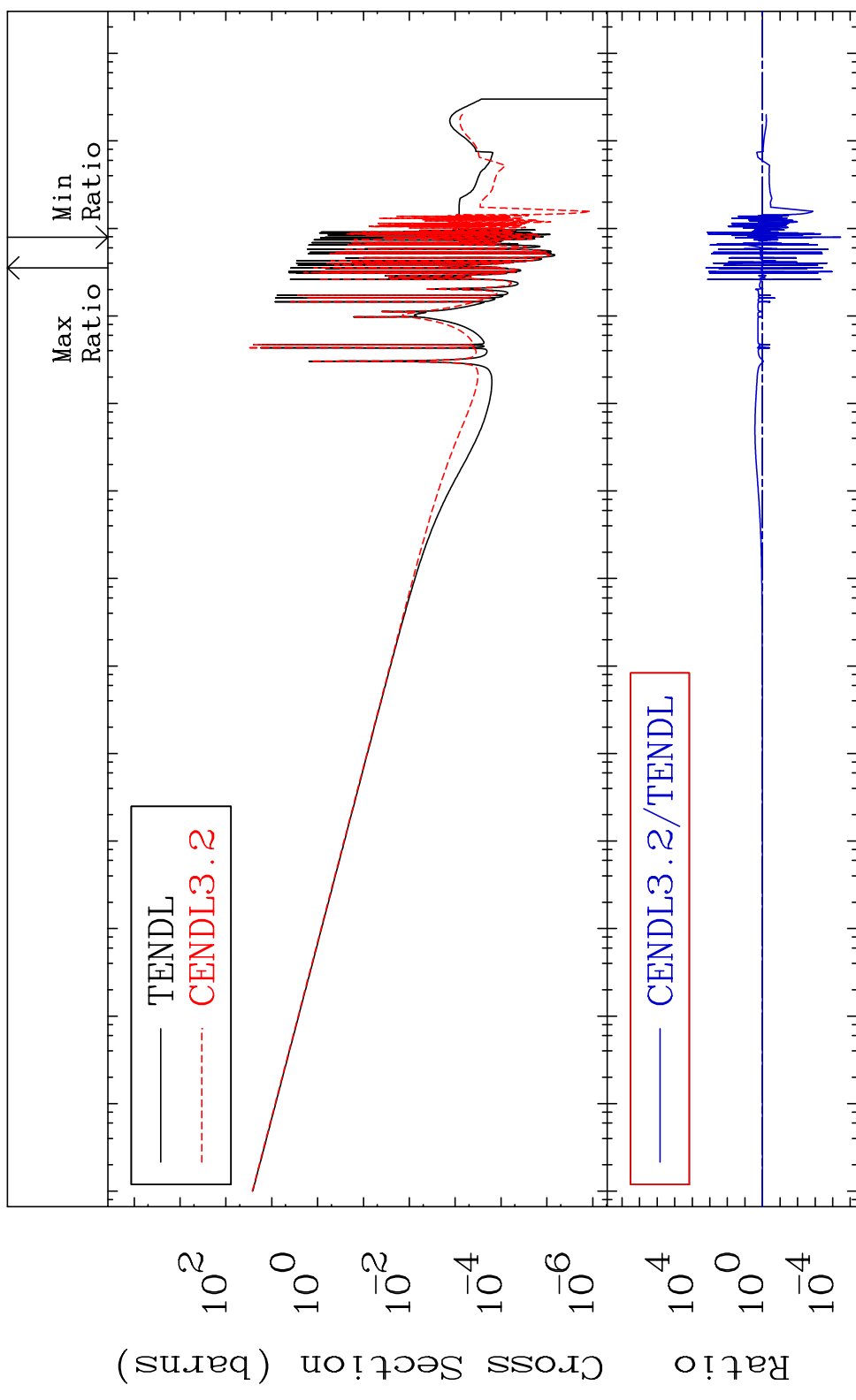


MAT 1625

(n, γ)

16-S -32

Cross Section -100.0 To 9999. %

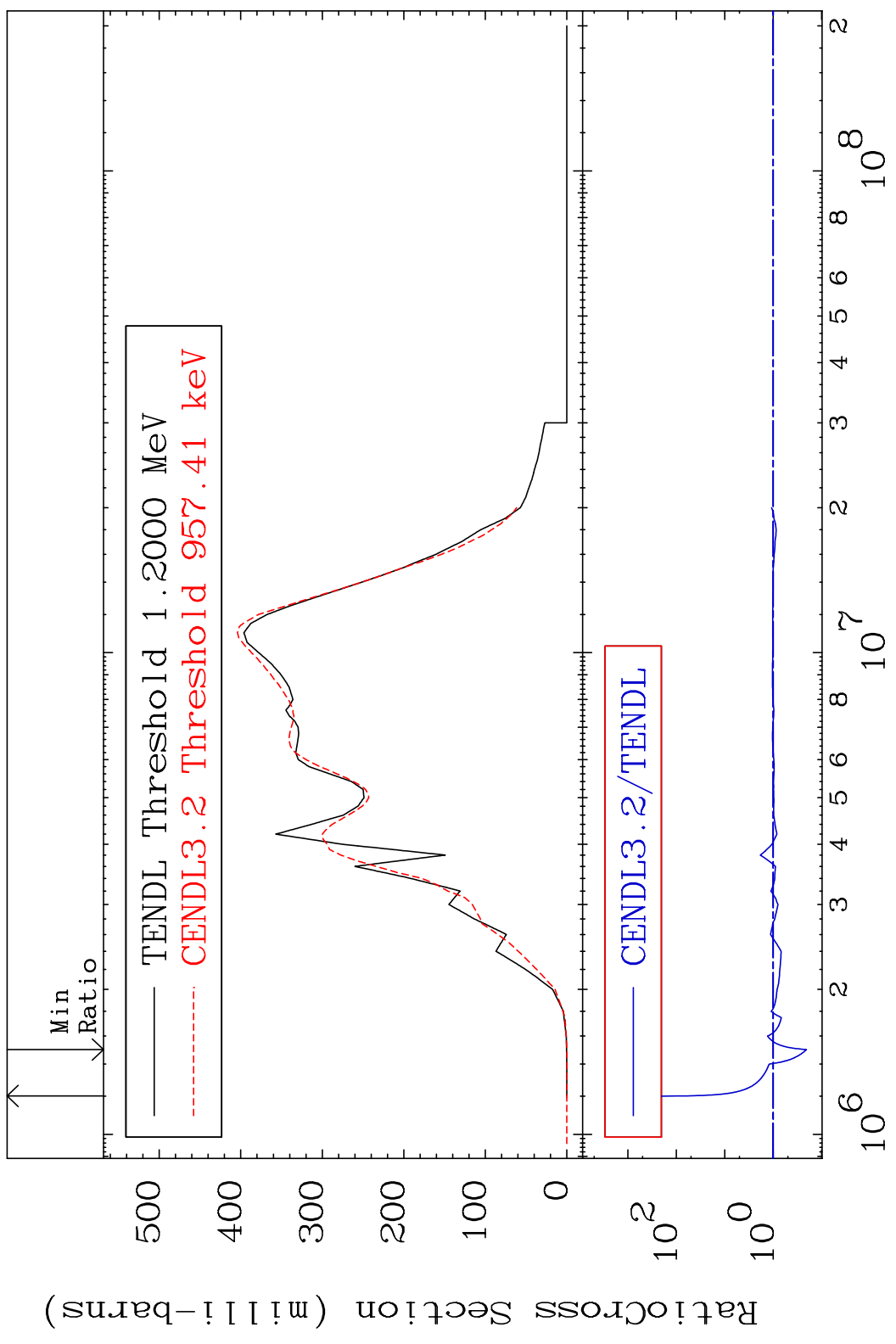


MAT 1625

(n,p)

16-S -32

Cross Section -79.33 To 9534. %



20

Incident Energy (eV)

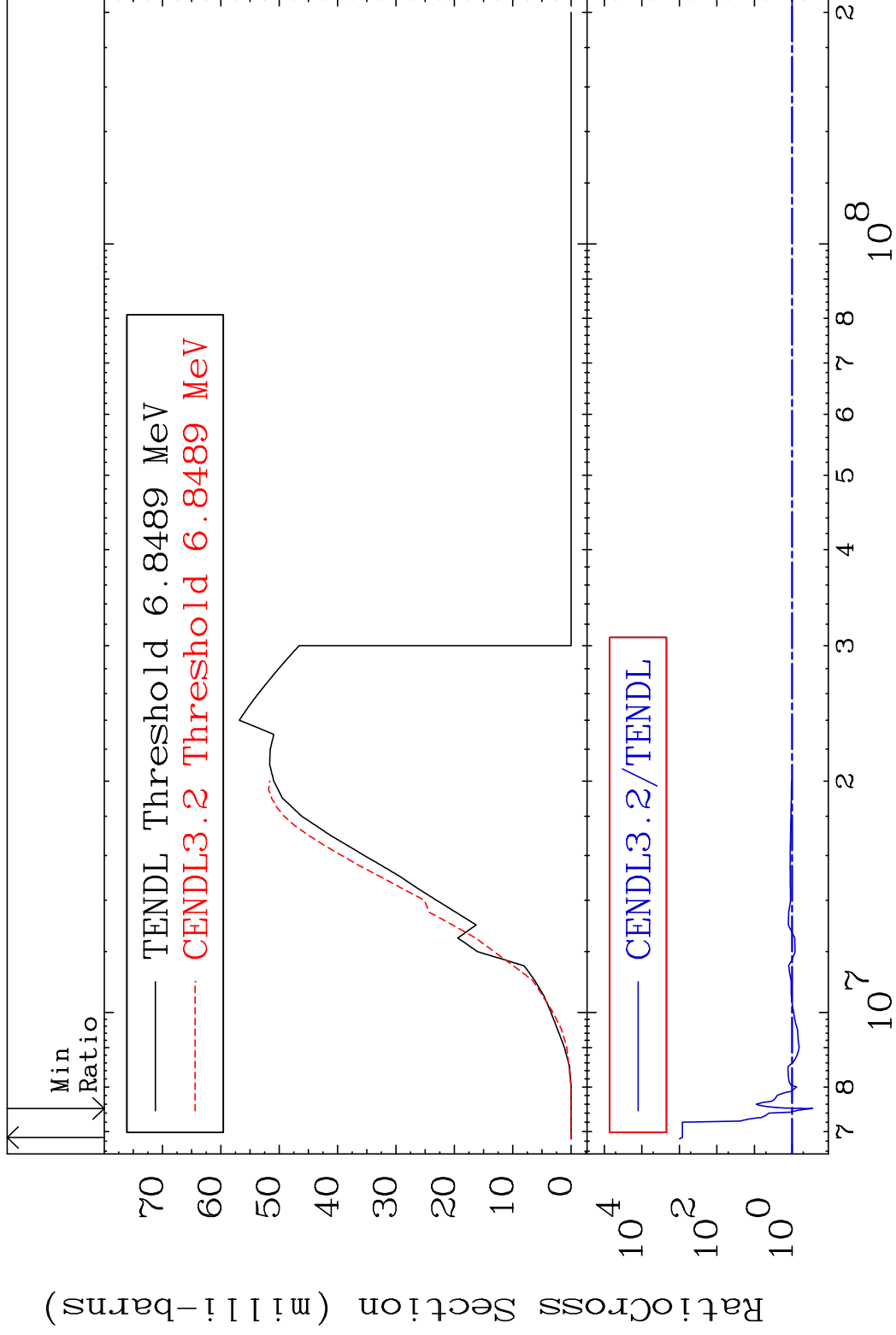
16-S -32

MAT 1625

(n,d)

16-S -32

Cross Section -71.73 To 9999. %



21

Incident Energy (eV)

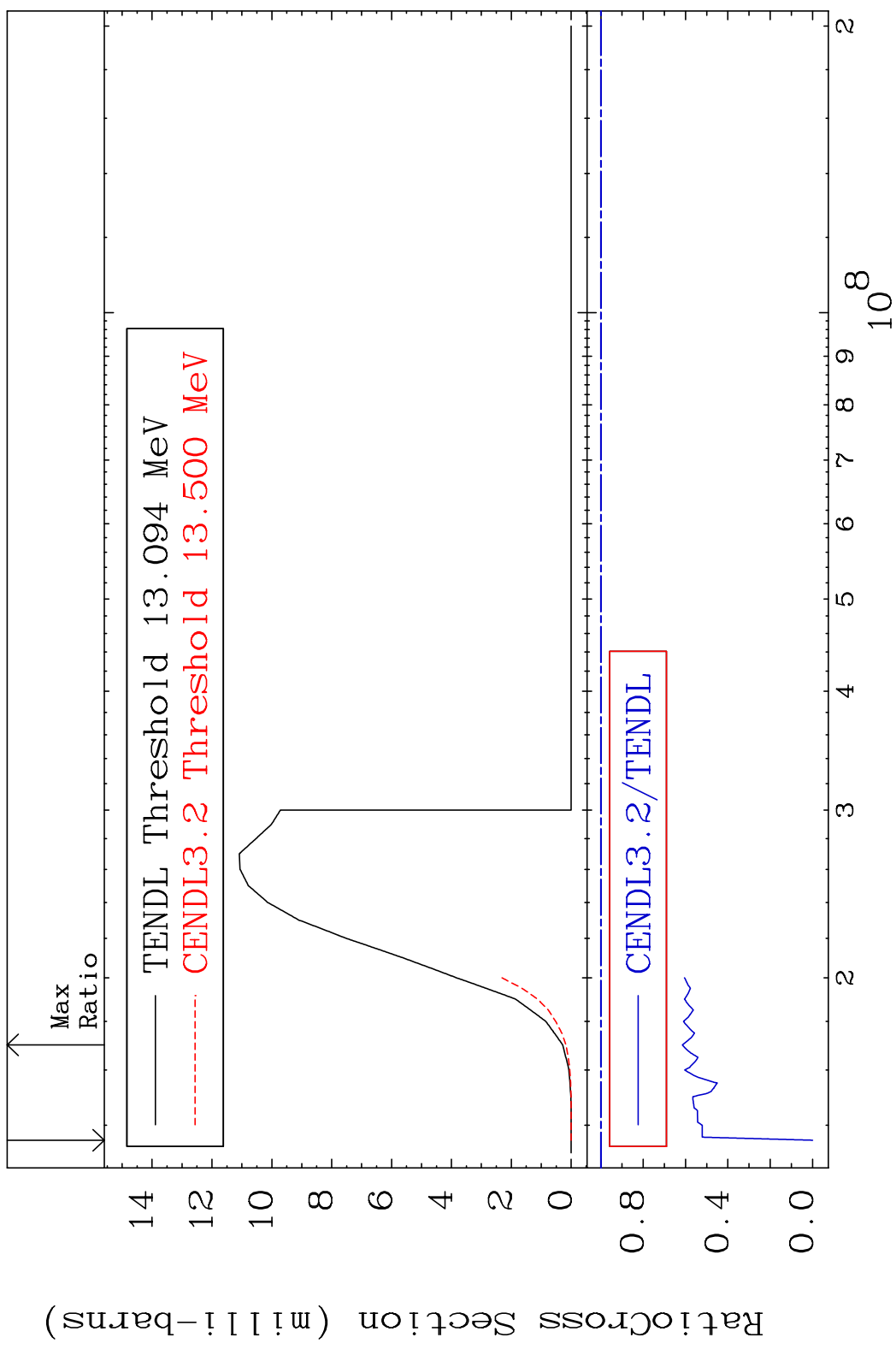
16-S -32

MAT 1625

(n, t)

16-S -32

Cross Section -100.0 To -38.49%

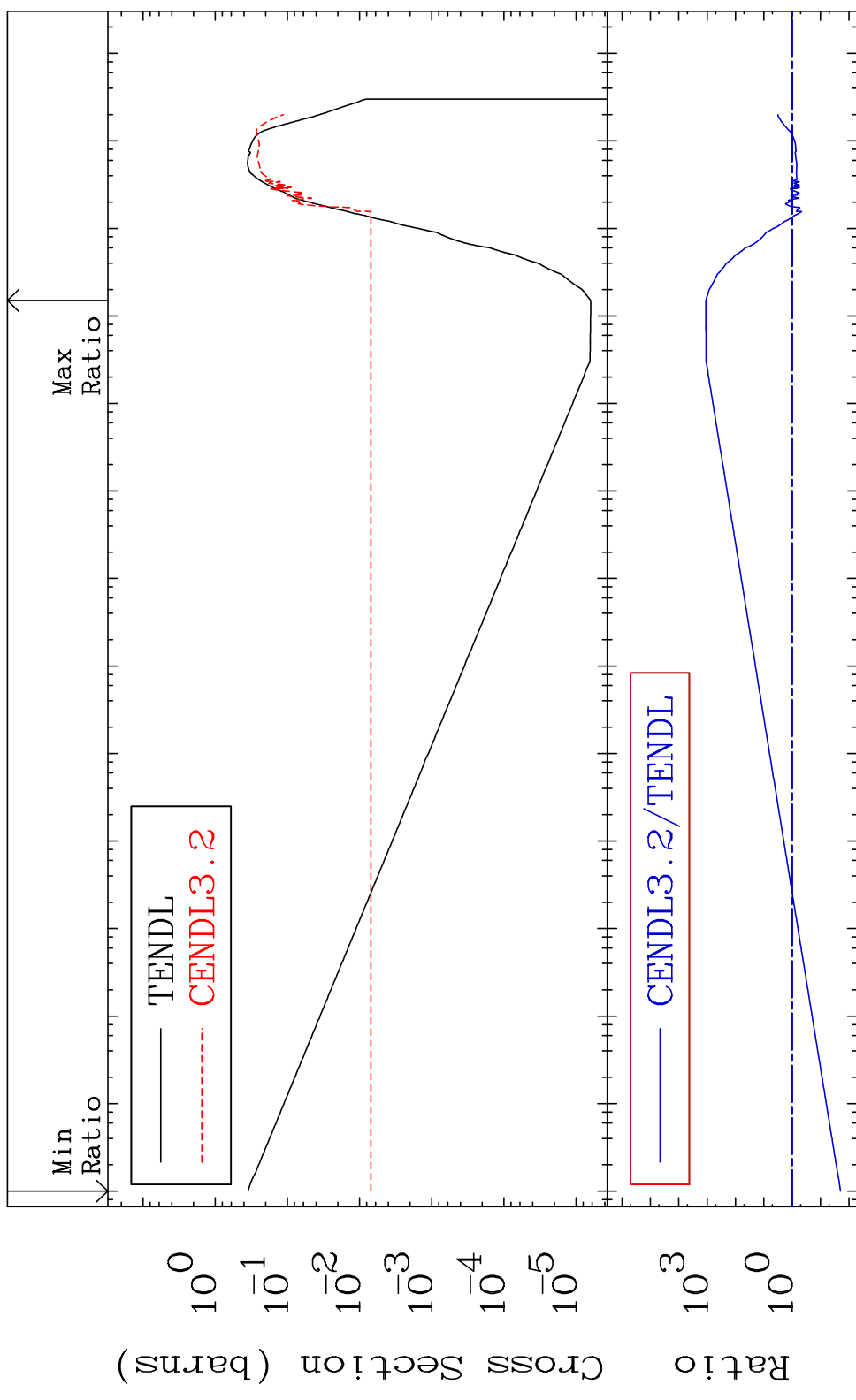


MAT 1625

(n, α)

16-S -32

Cross Section -98.01 To 9999. %

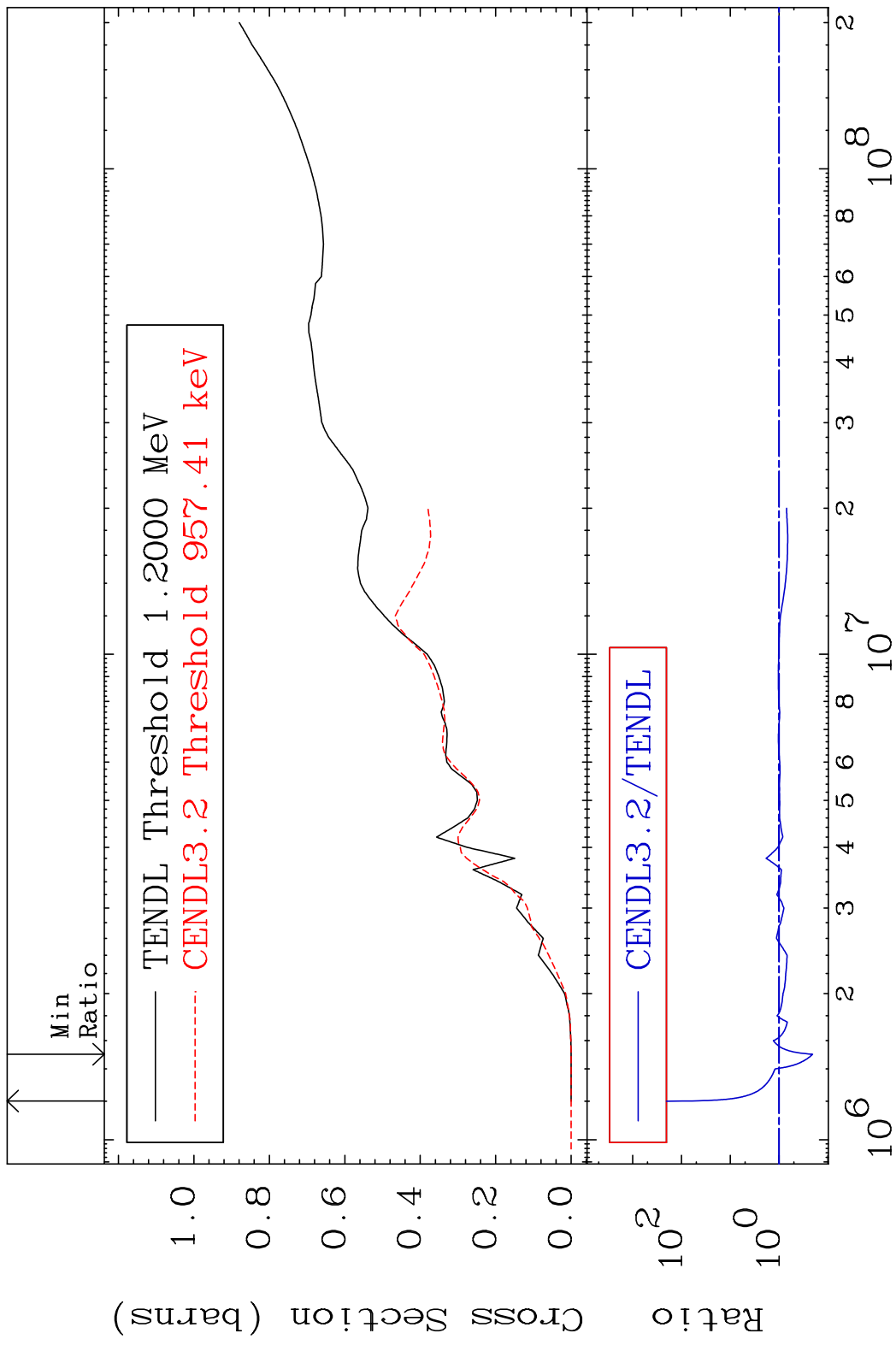


23

Incident Energy (eV)

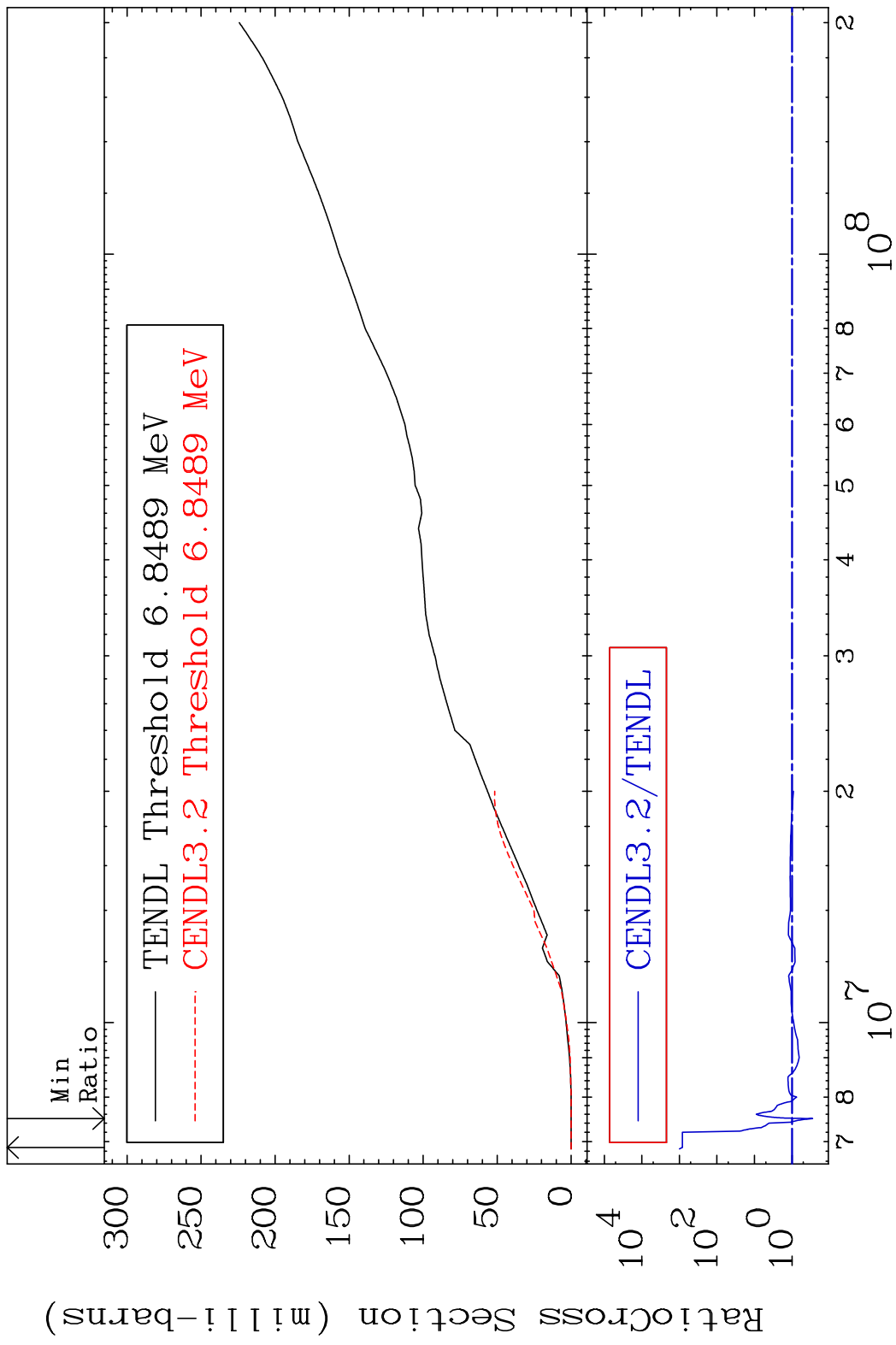
16-S -32

MAT 1625 Hydrogen Production 16-S -32
 Cross Section -79.33 To 9534. %



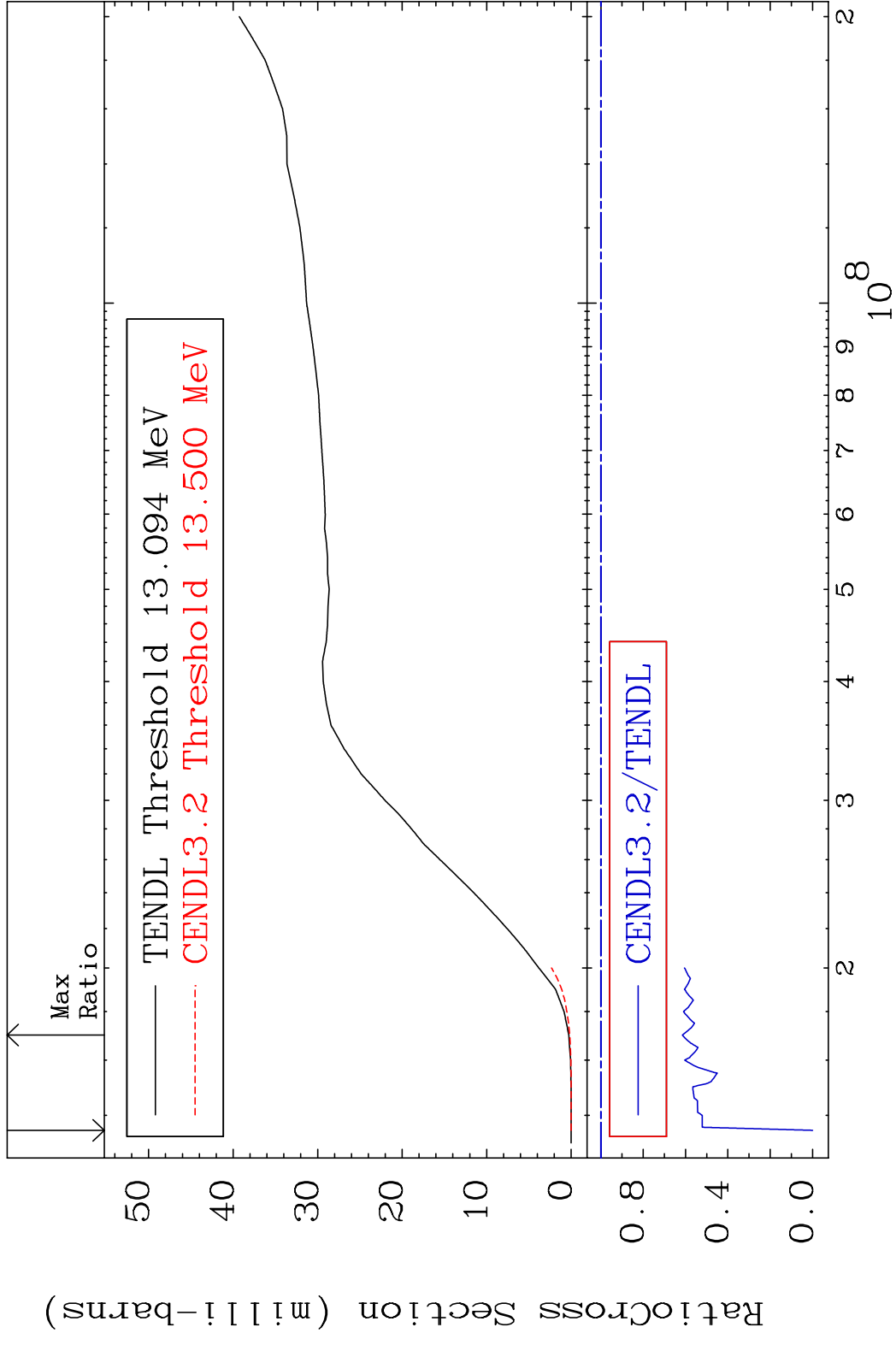
24 Incident Energy (eV) 16-S -32

MAT 1625 Deuterium Production 16-S -32
 Cross Section -71.73 To 9999. %



25 16-S -32

MAT 1625 Tritium Production 16-S -32
 Cross Section -100.0 To -38.49%

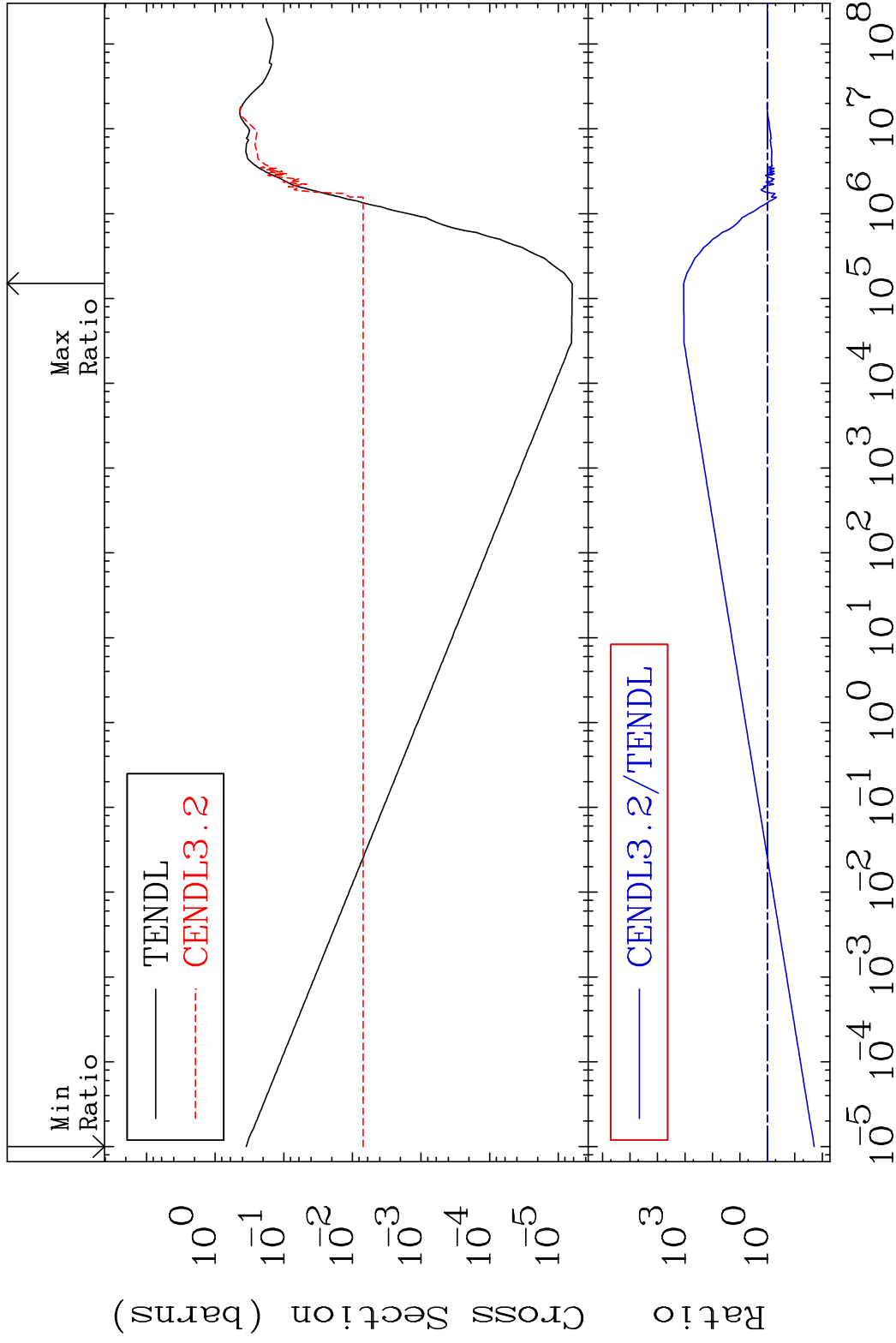


MAT 1625

He-4 Production

16-S -32

Cross Section -98.01 To 9999. %

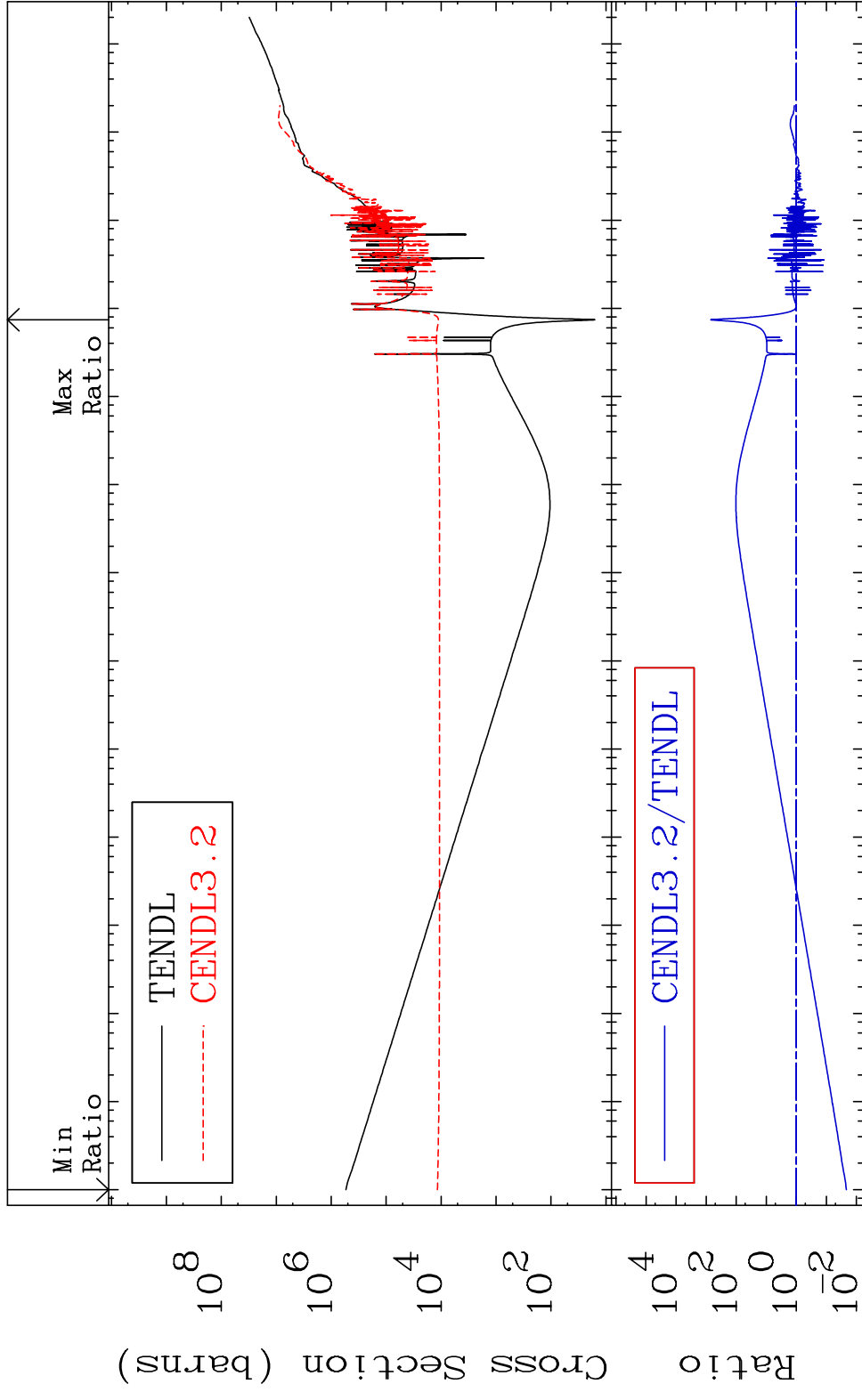


27

Incident Energy (eV)

16-S -32

MAT 1625 Kerma total (eV-barns) 16-S -32
 Cross Section -97.84 To 9999. %

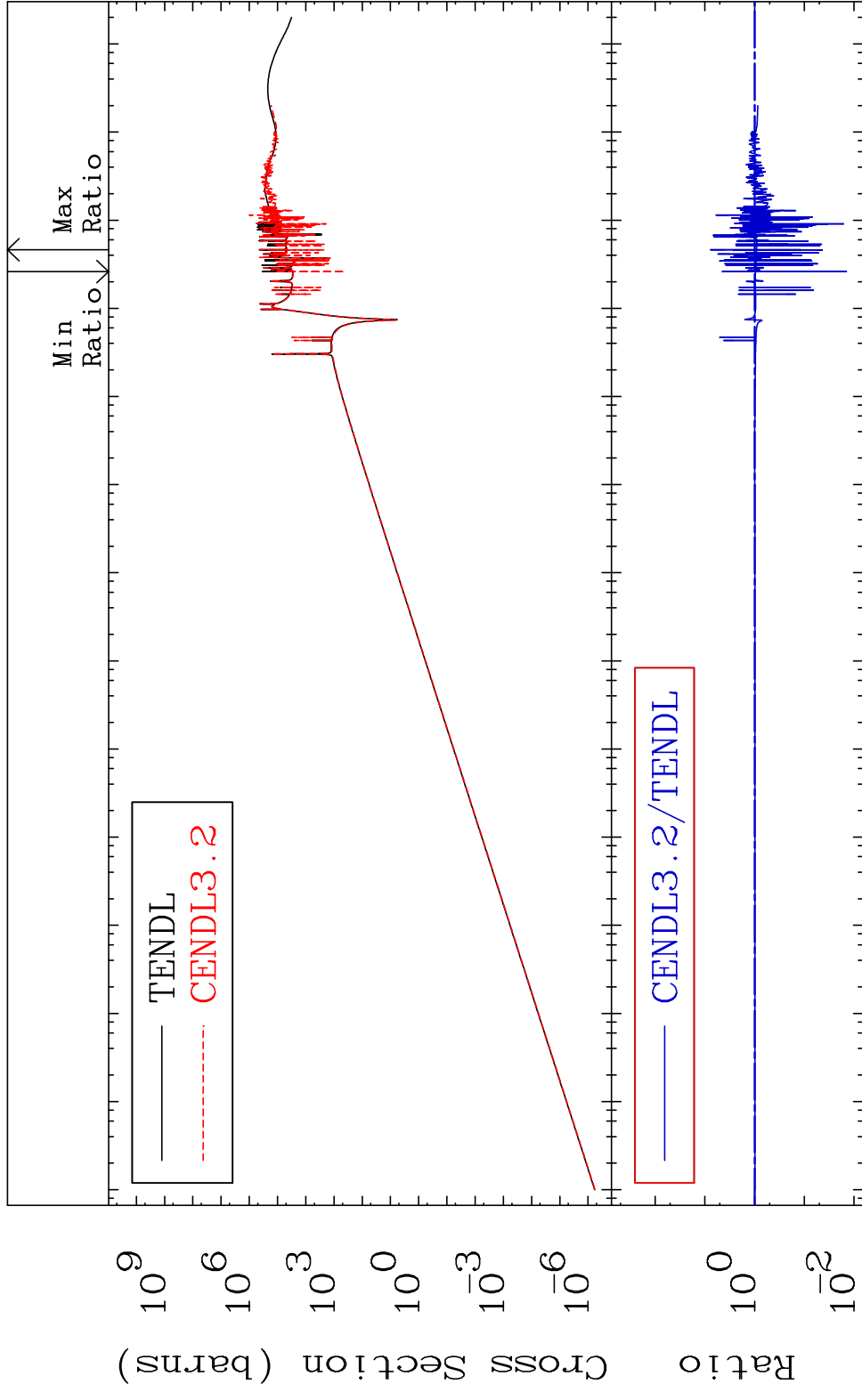


28 Incident Energy (eV) 16-S -32

MAT 1625

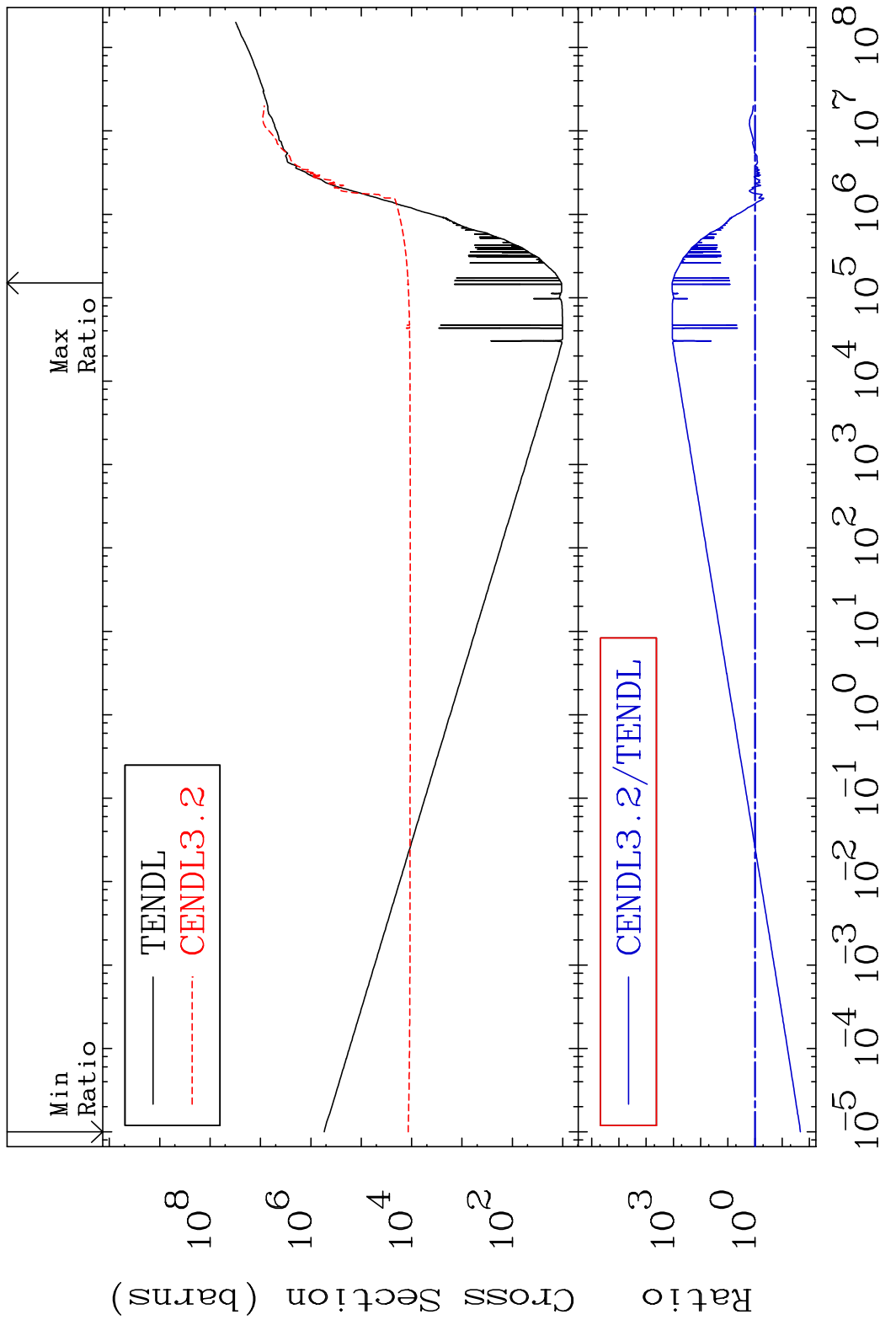
Kerma elastic
Cross Section

16-S -32
-98.57 To 663.5 %



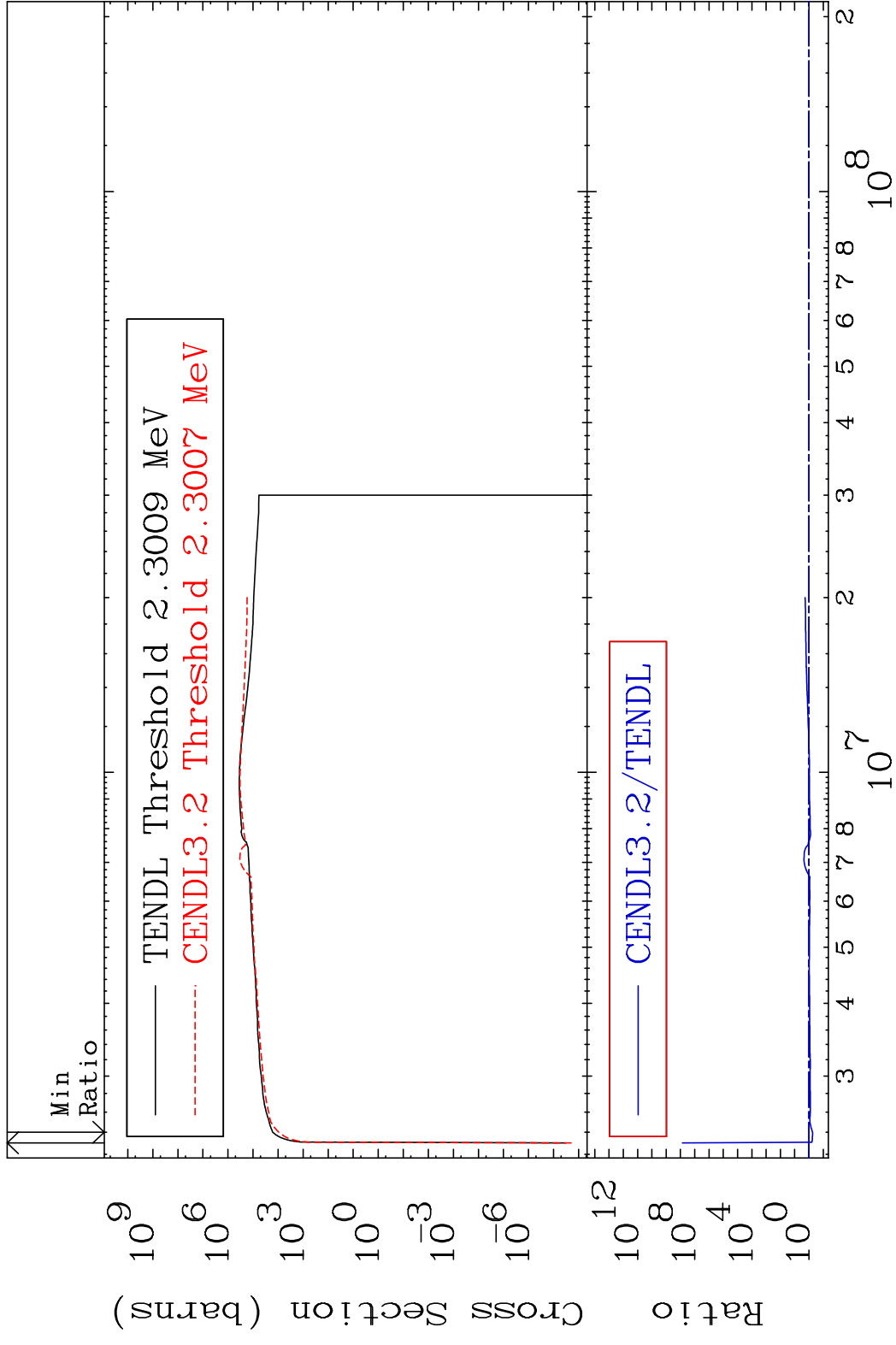
Ratio
Cross Section (barns)
Incident Energy (eV)

MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -97.84 To 9999. %

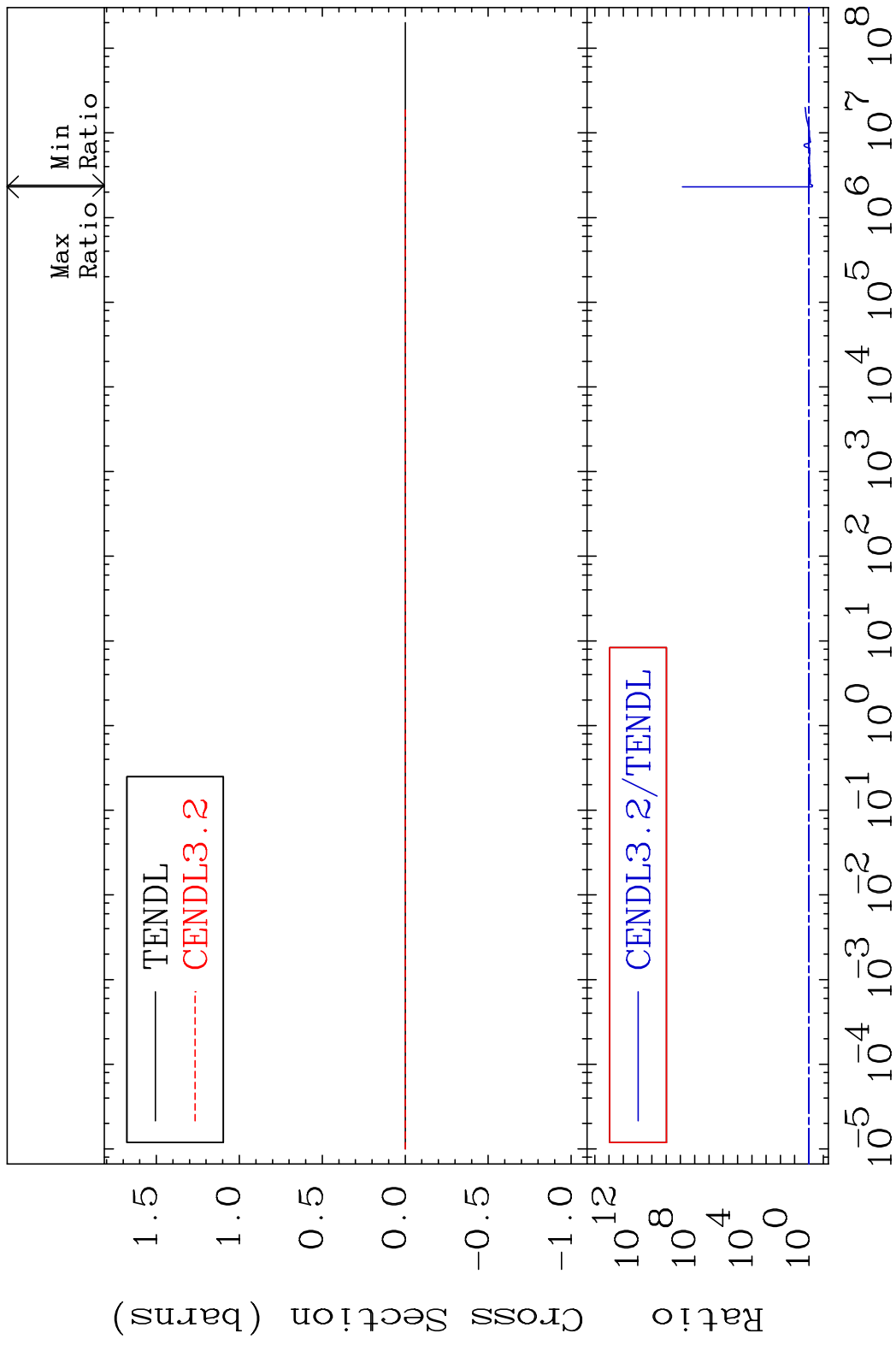


30 Incident Energy (eV) 16-S -32

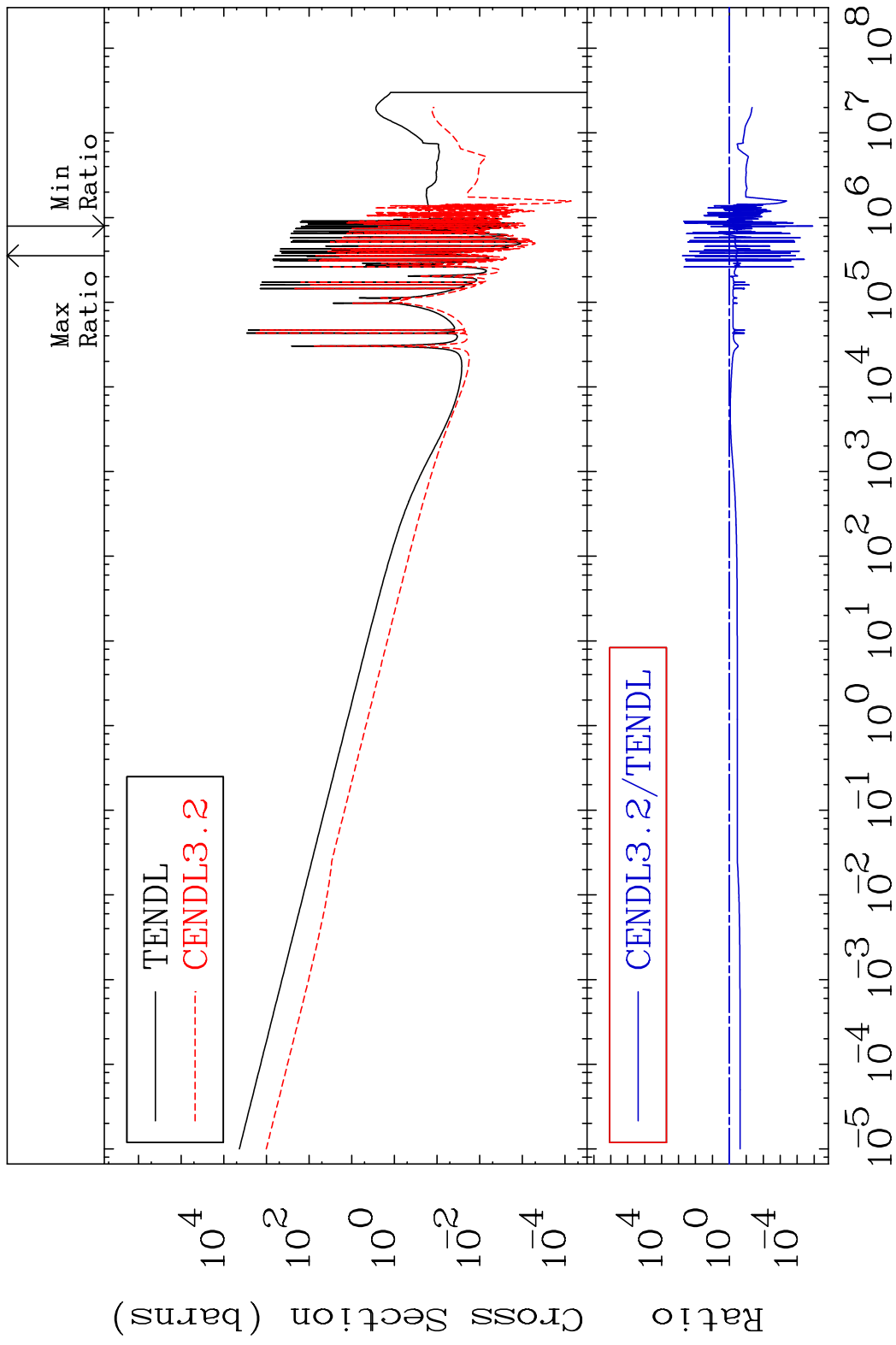
MAT 1625 Kerma inelastic (mt51-91) 16-S -32
 Cross Section -43.79 To 9999. %



MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -43.79 To 9999. %

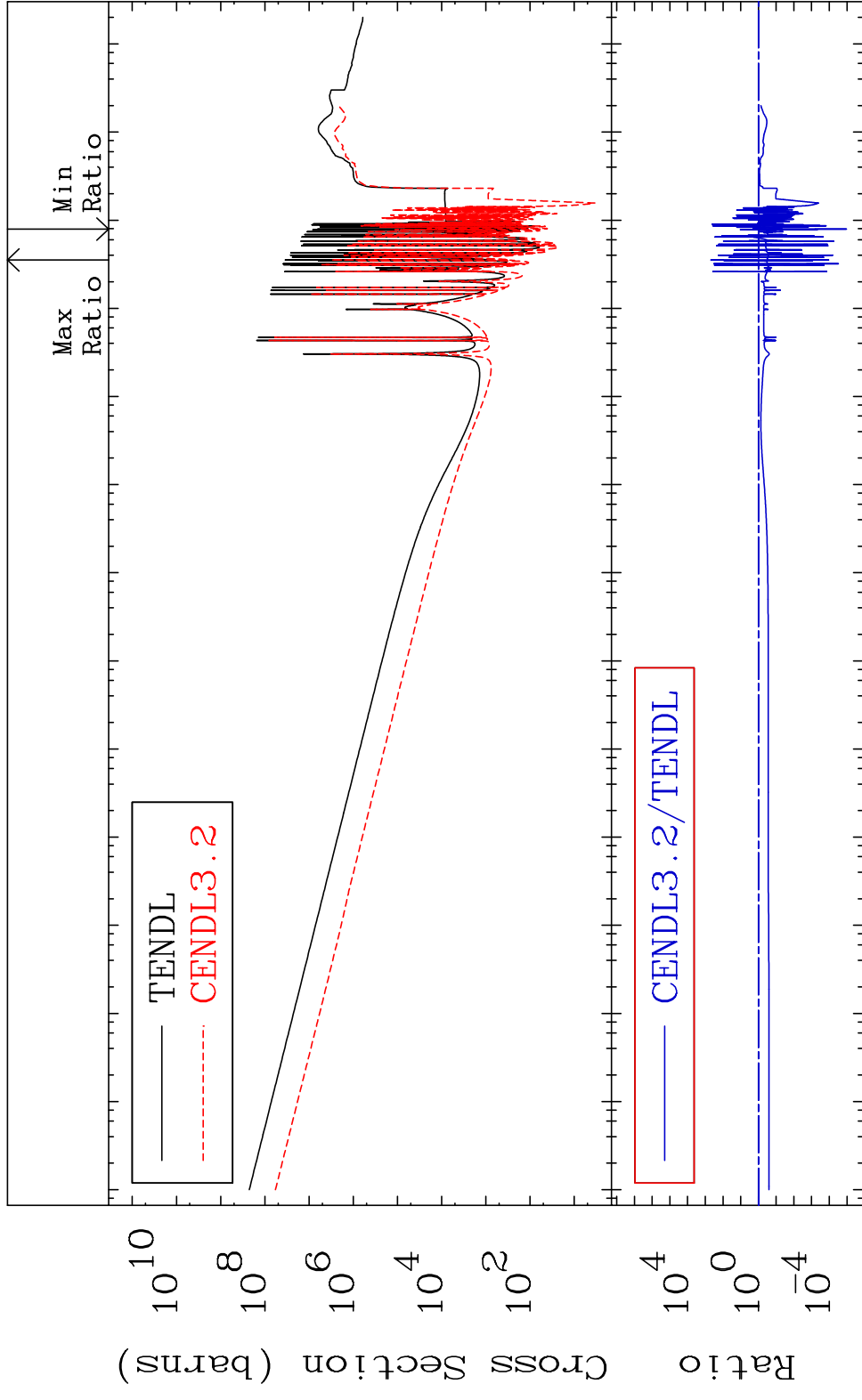


MAT 1625 Kerma capture (mt102) 16-S -32
 Cross Section -100.0 To 9999. %

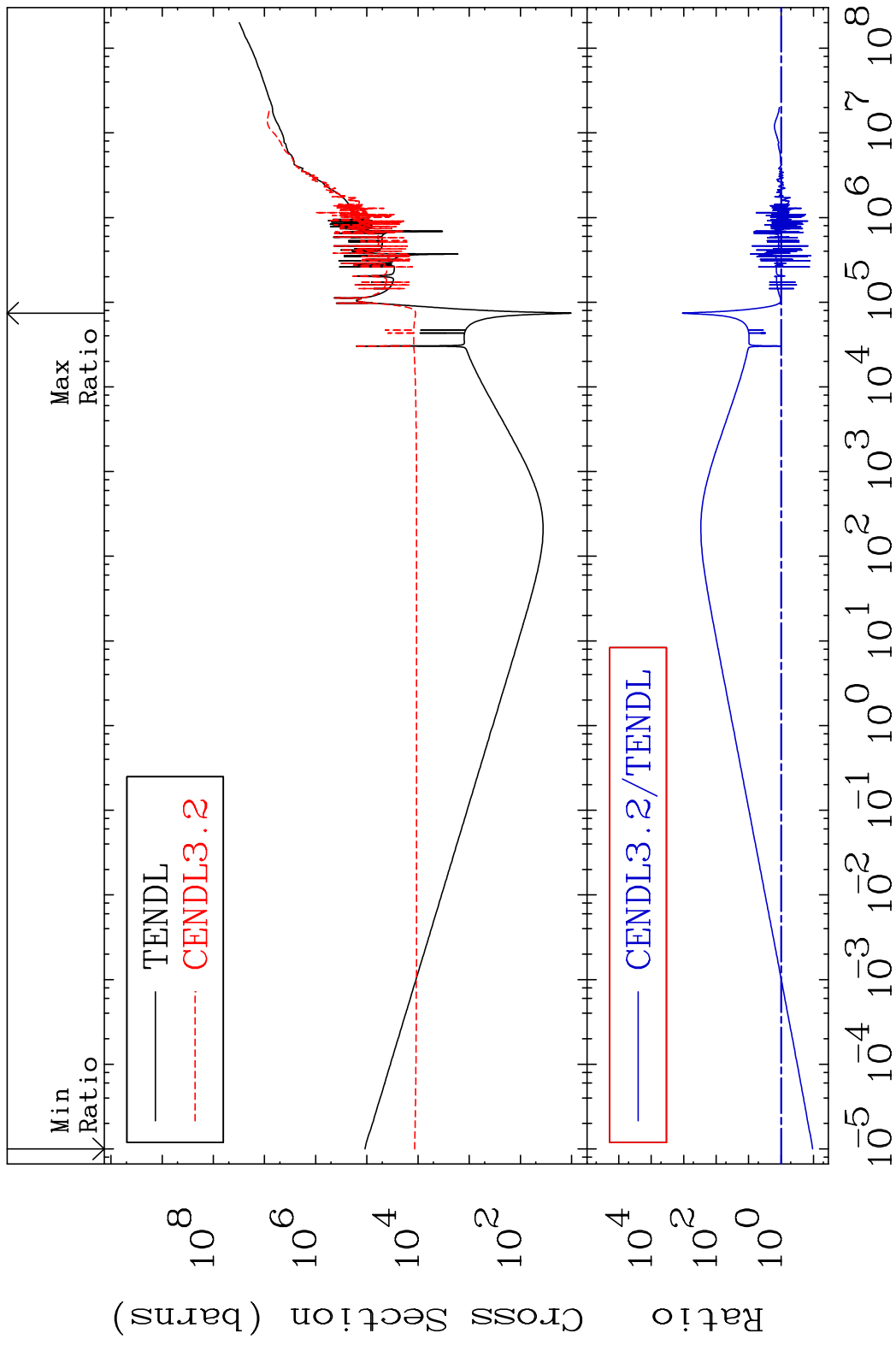


33 Incident Energy (eV) 16-S -32

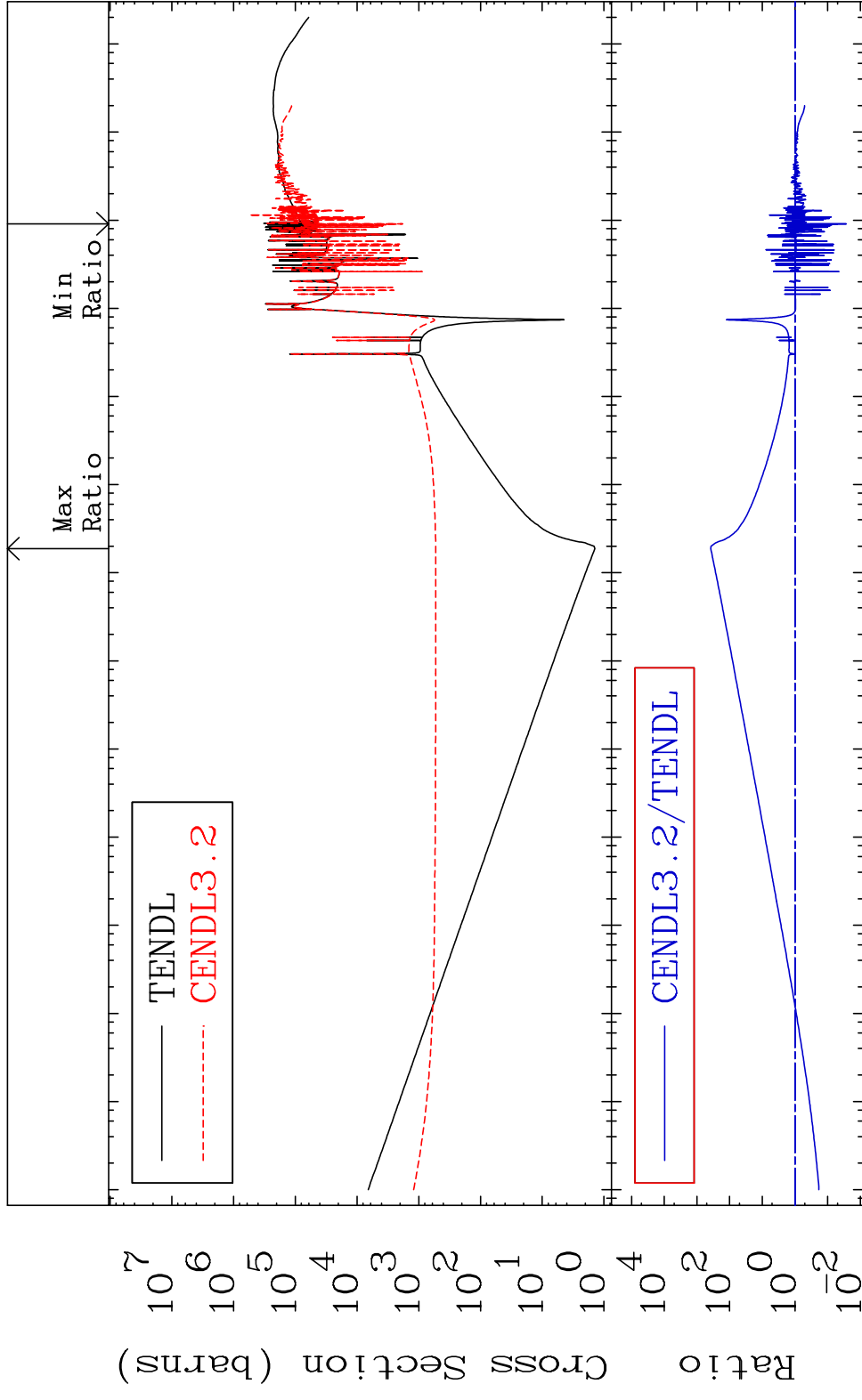
MAT 1625 Total photon (eV-barns) 16-S -32
 Cross Section -100.0 To 9999. %



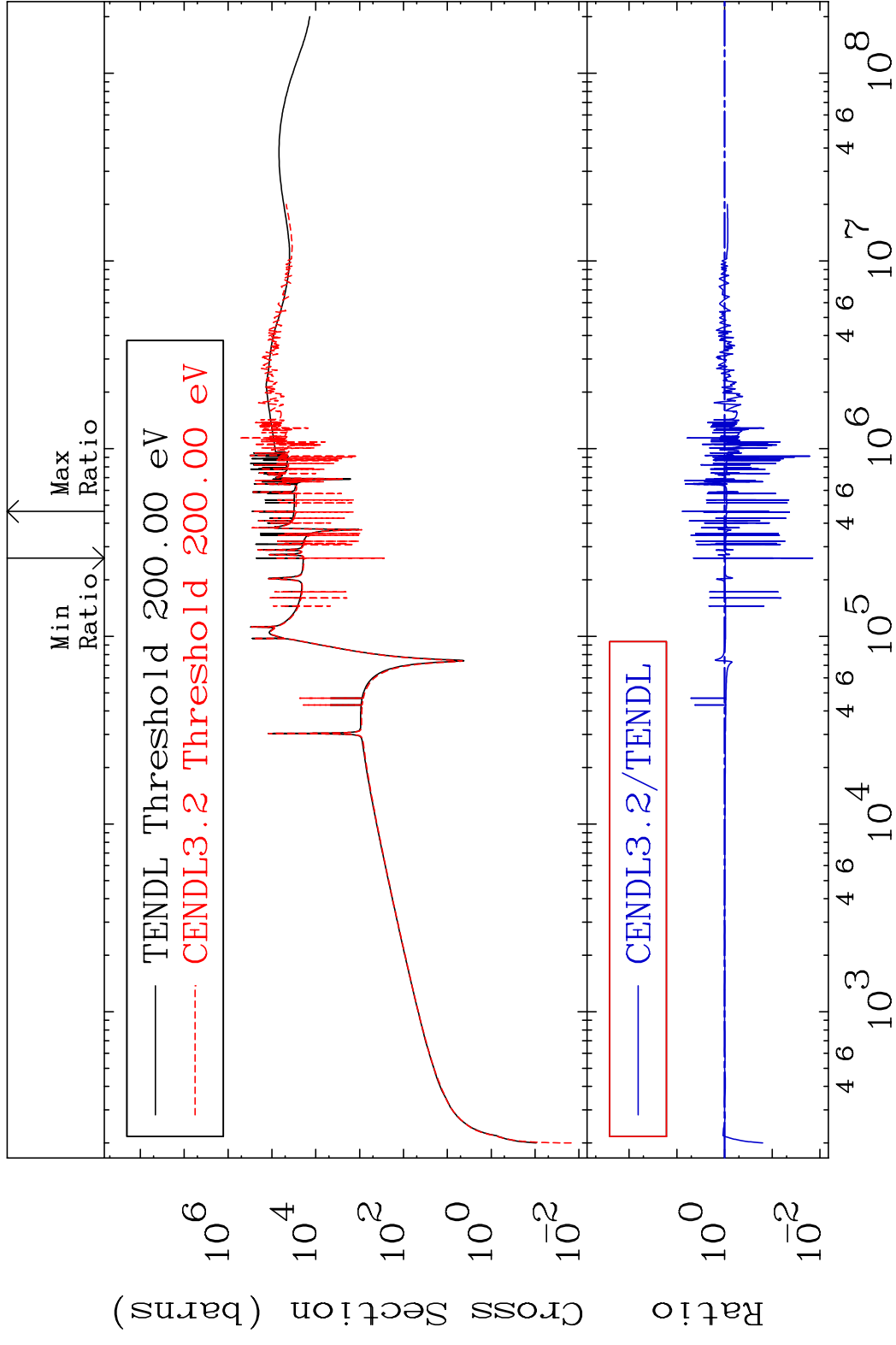
MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -89.32 To 9999. %



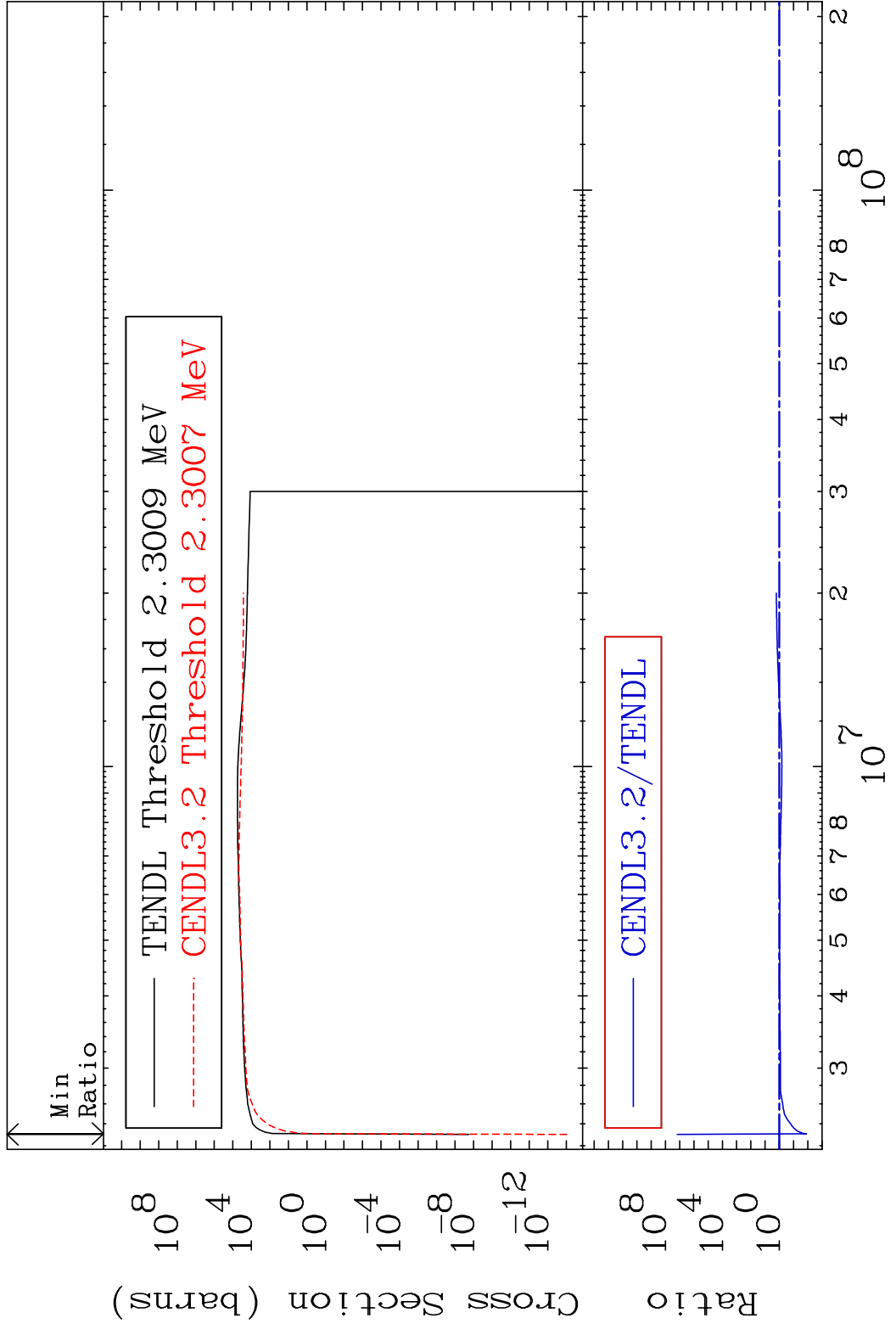
MAT 1625 Dpa total (eV-barns) 16-S -32
 Cross Section -97.31 To 9999. %



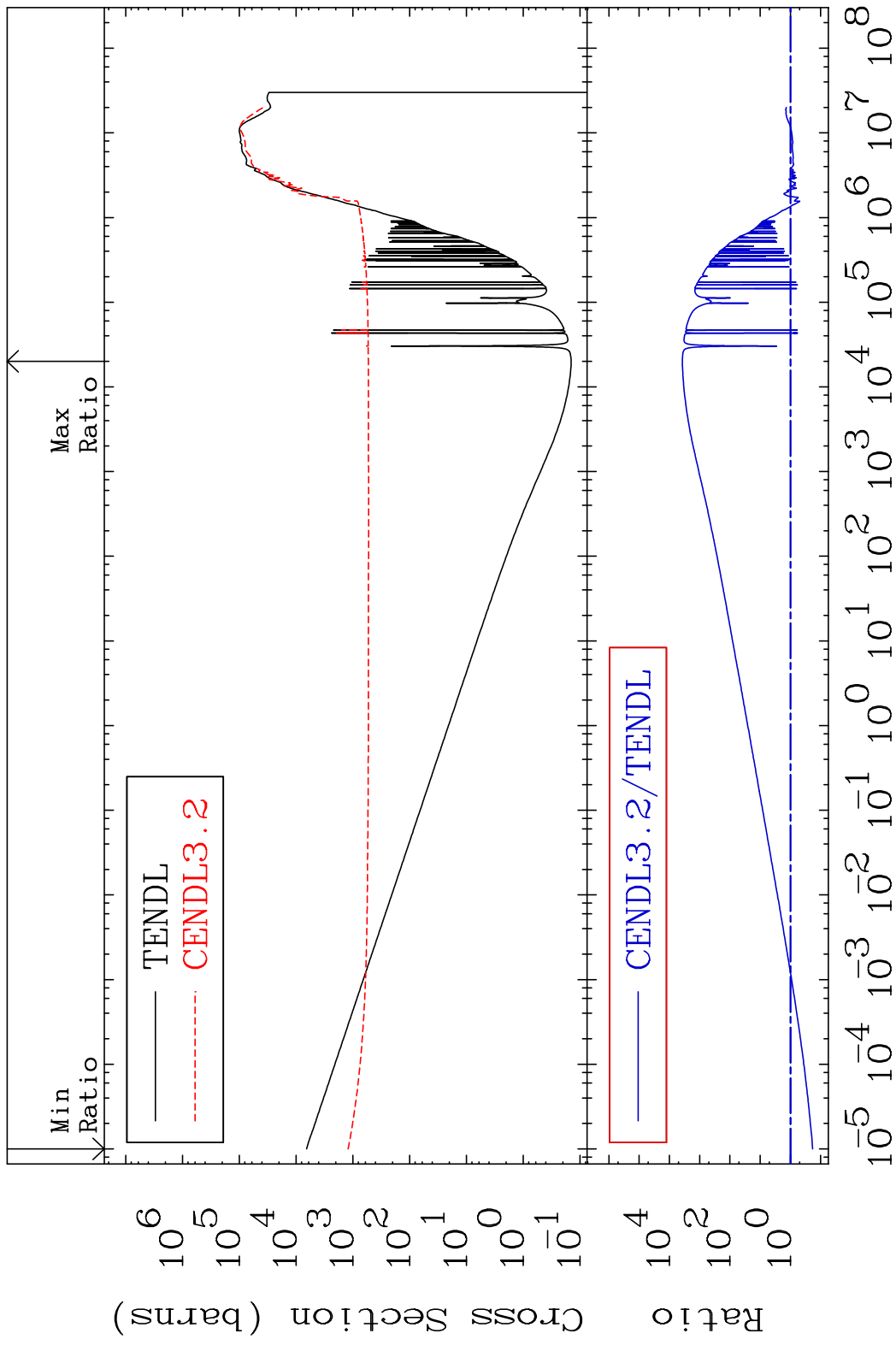
MAT 1625 Dpa elastic (mt2) 16-S -32
 Cross Section -98.57 To 666.1 %



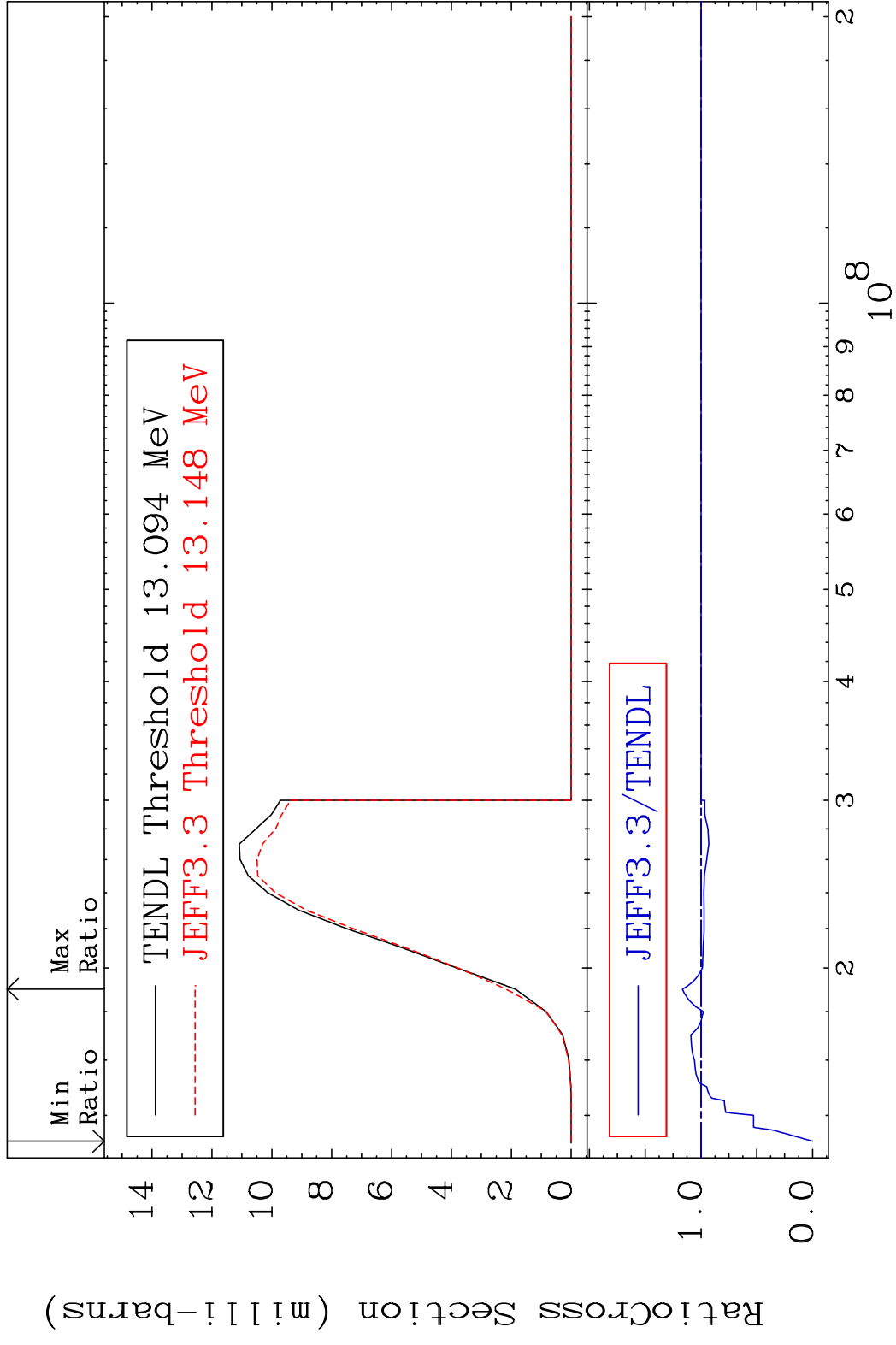
MAT 1625 Dpa inelastic (mt51-91) 16-S -32
 Cross Section -98.73 To 9999. %



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -81.49 To 9999. %

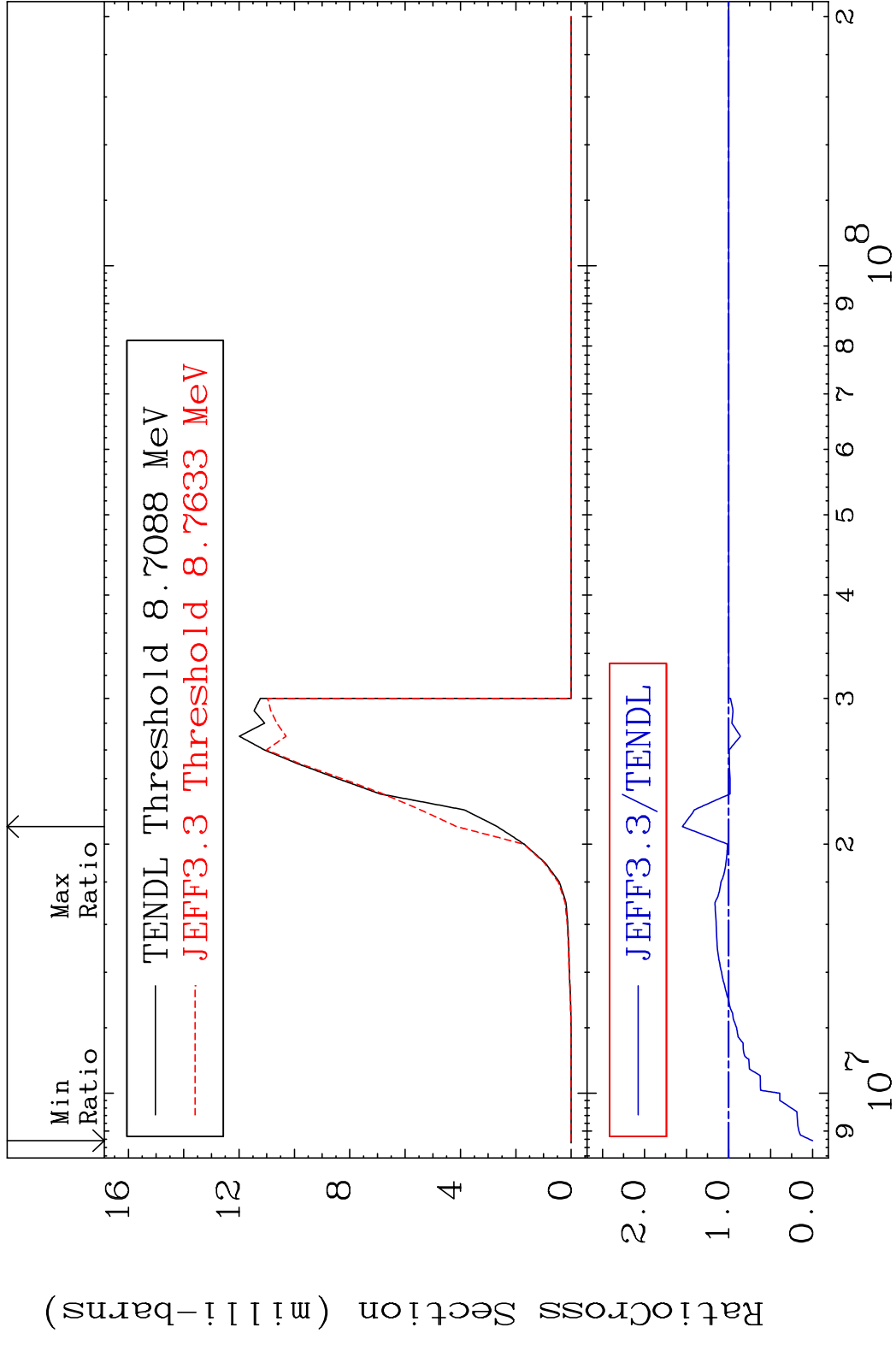


MAT 1625 (n, t) 16-S -32
 Cross Section -100.0 To 16.70 %



40 16-S -32

MAT 1625 (n, He-3) 16-S -32
 Cross Section -100.0 To 55.03 %

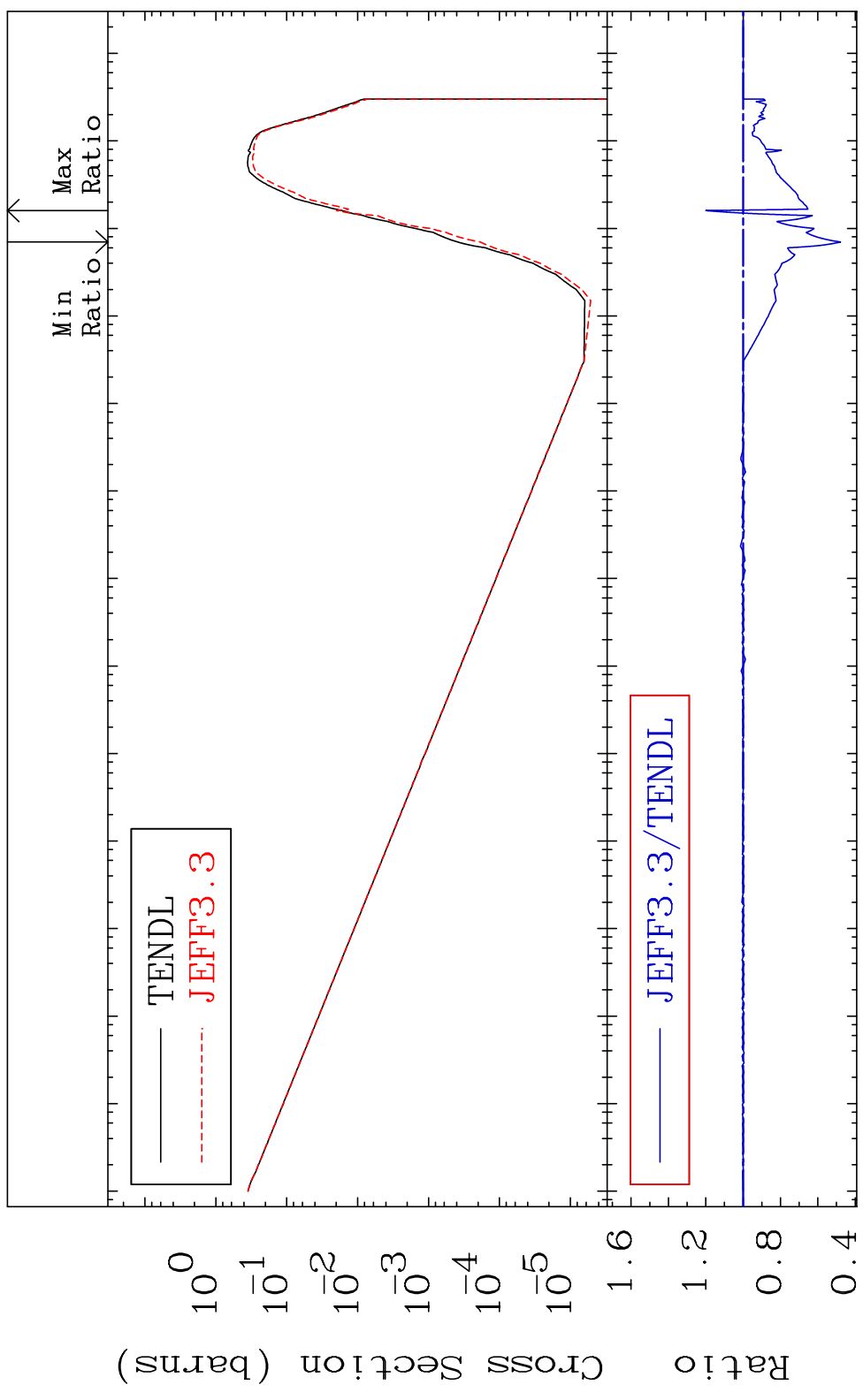


MAT 1625

(n, α)

16-S -32

Cross Section -52.07 To 20.04 %

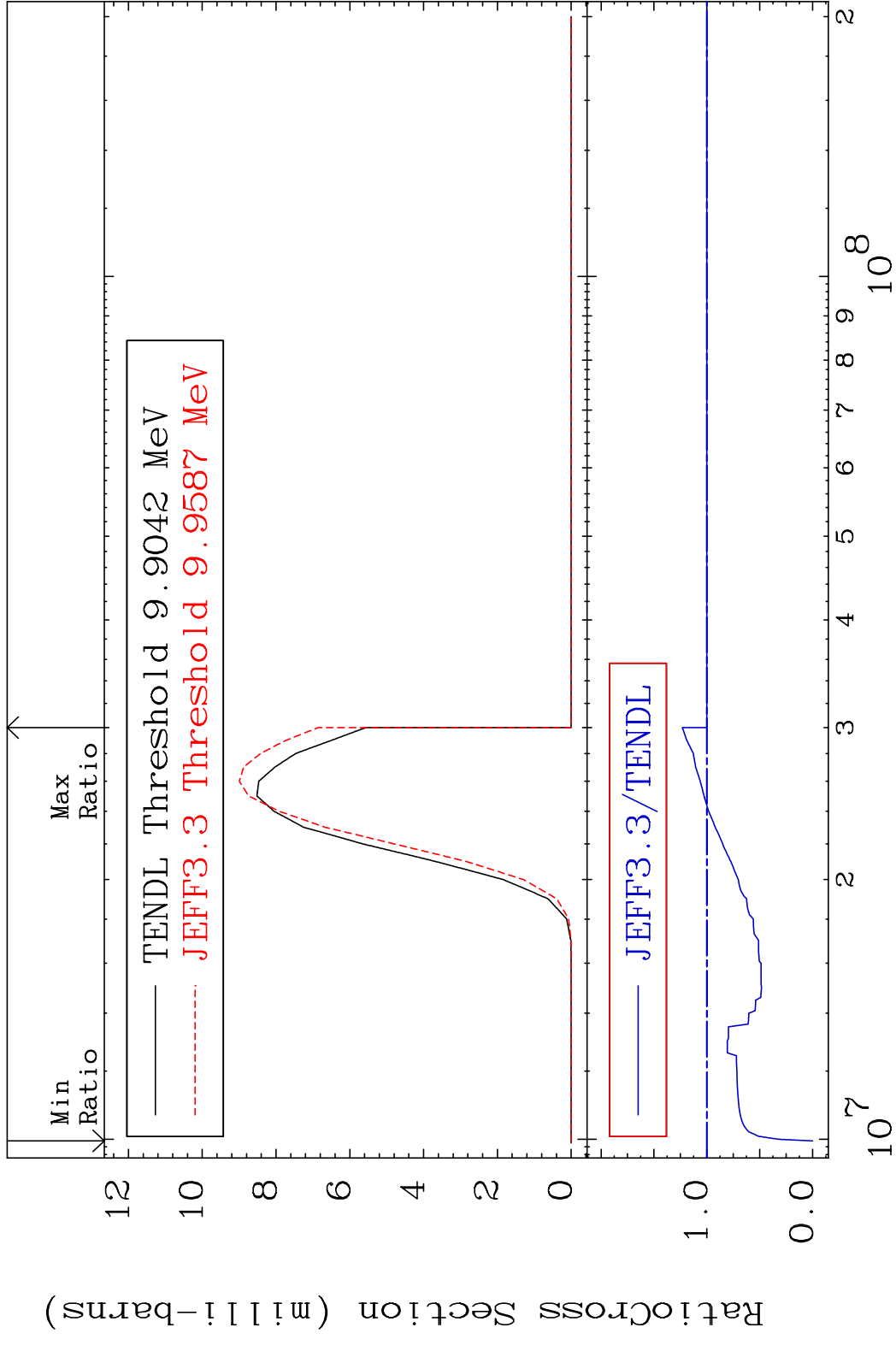


42

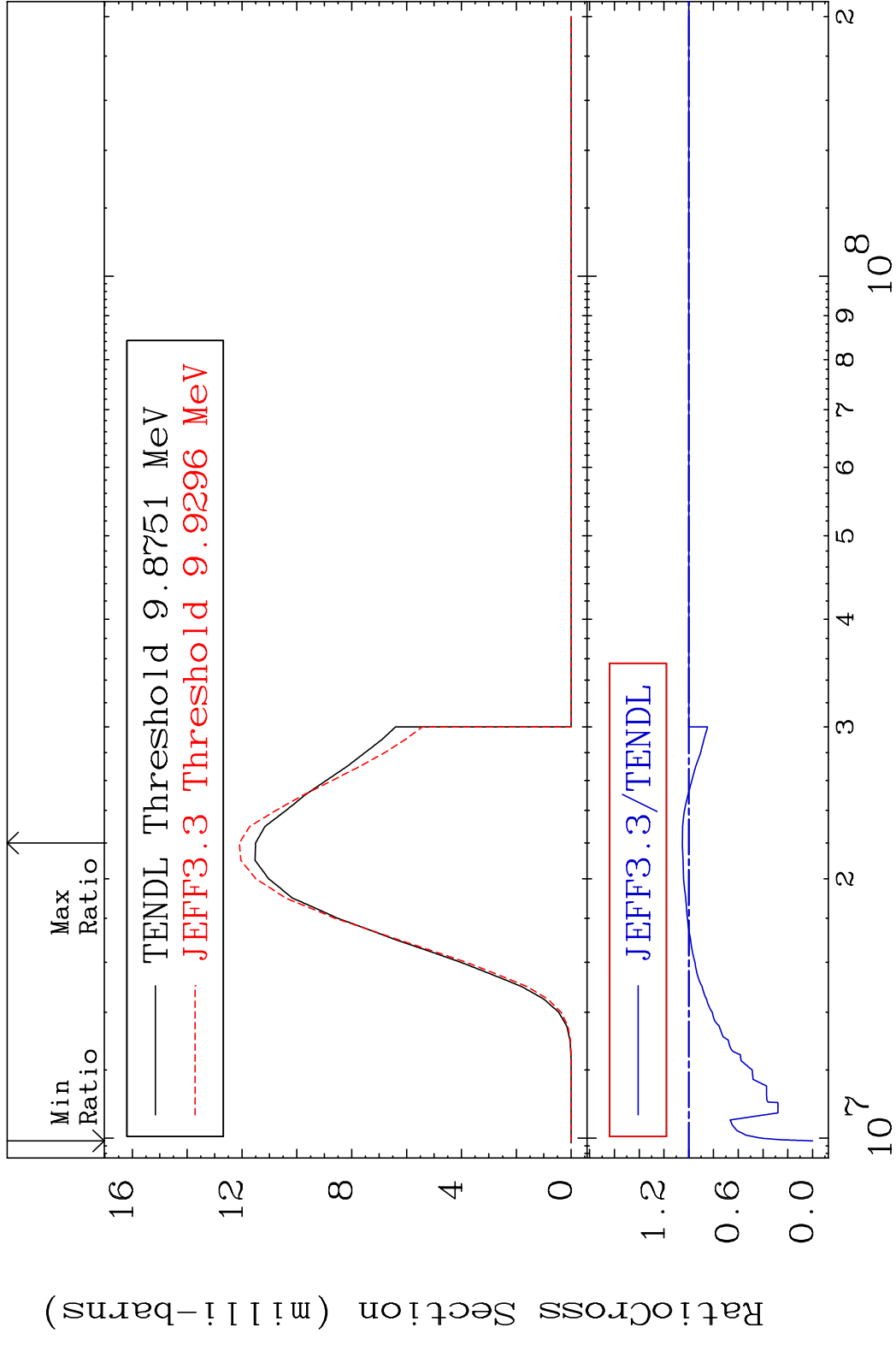
Incident Energy (eV)

16-S -32

MAT 1625 (n,2α) 16-S -32
 Cross Section -100.0 To 23.14 %

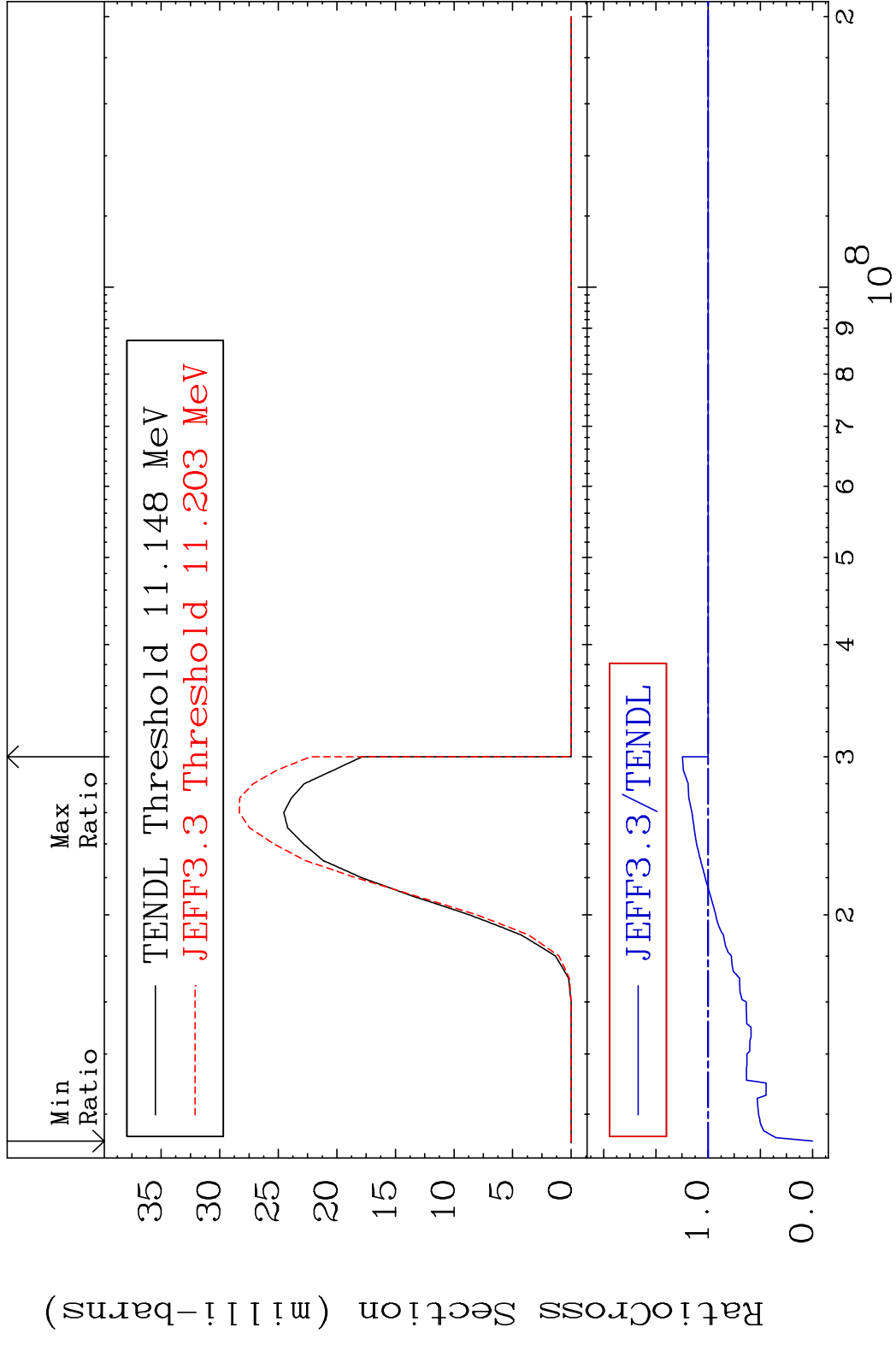


MAT 1625 (n,2p) 16-S -32
 Cross Section -100.0 To 5.142 %

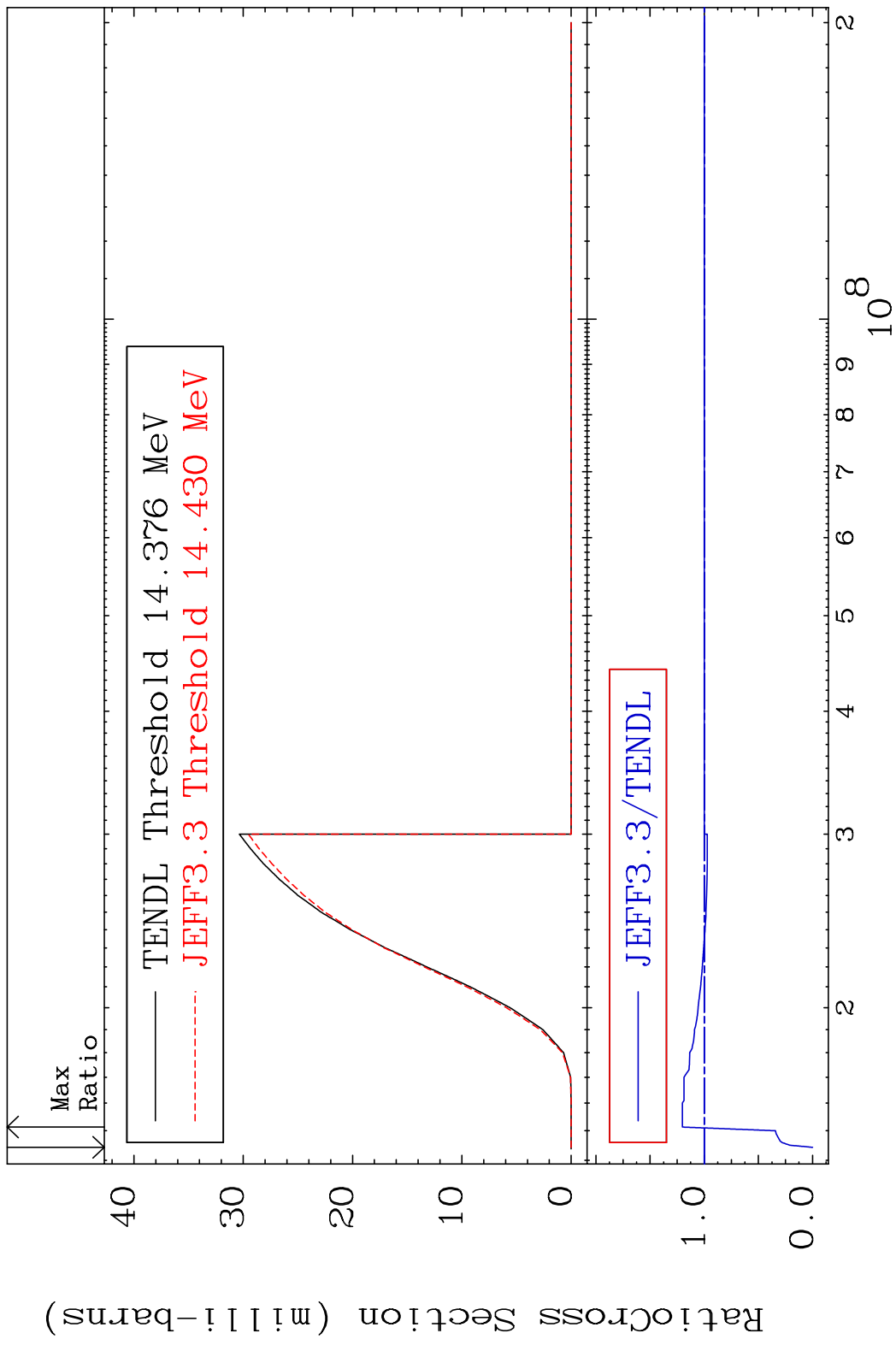


44 16-S -32

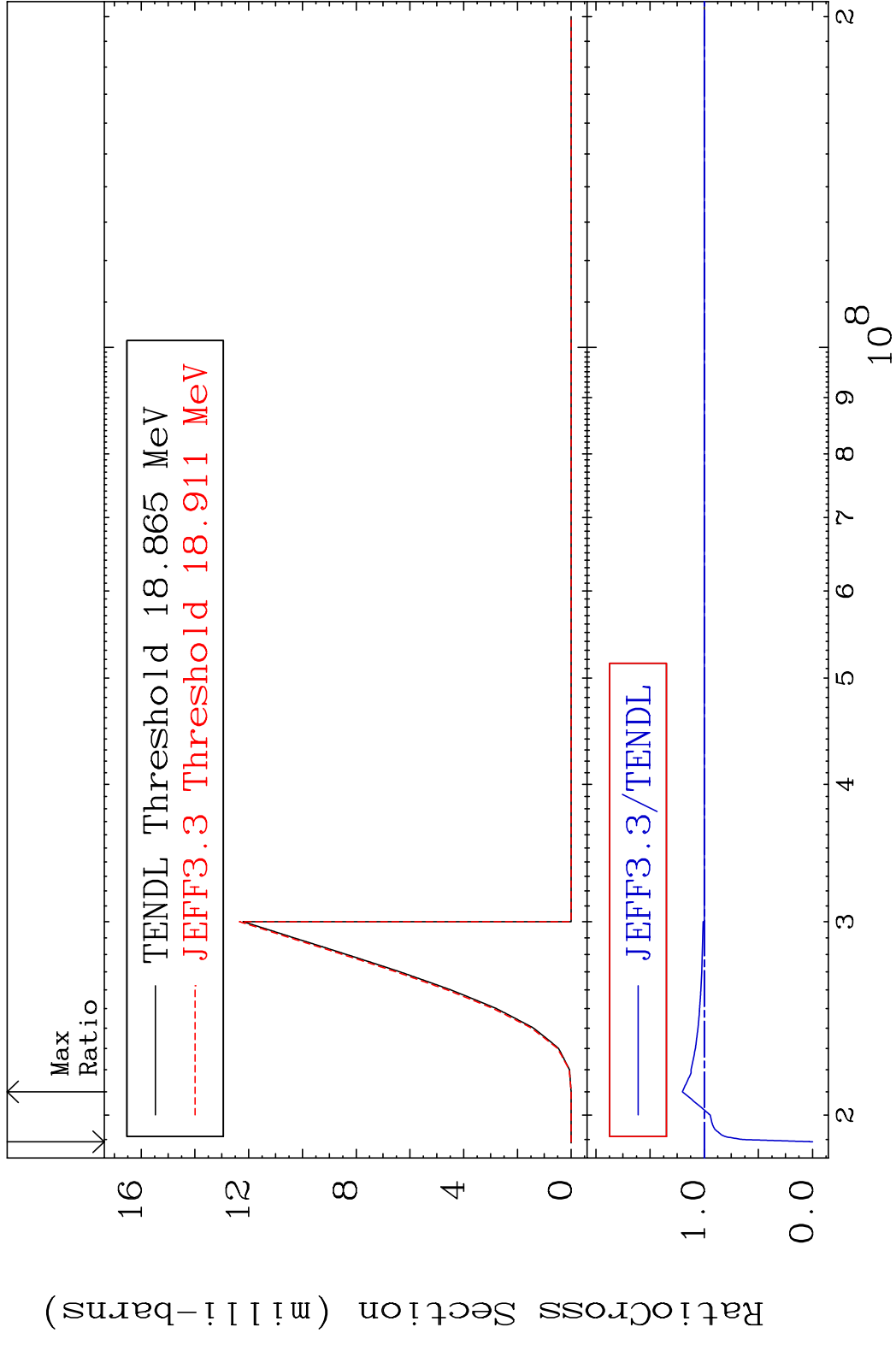
MAT 1625 (n,p) α 16-S -32
 Cross Section -100.0 To 24.70 %



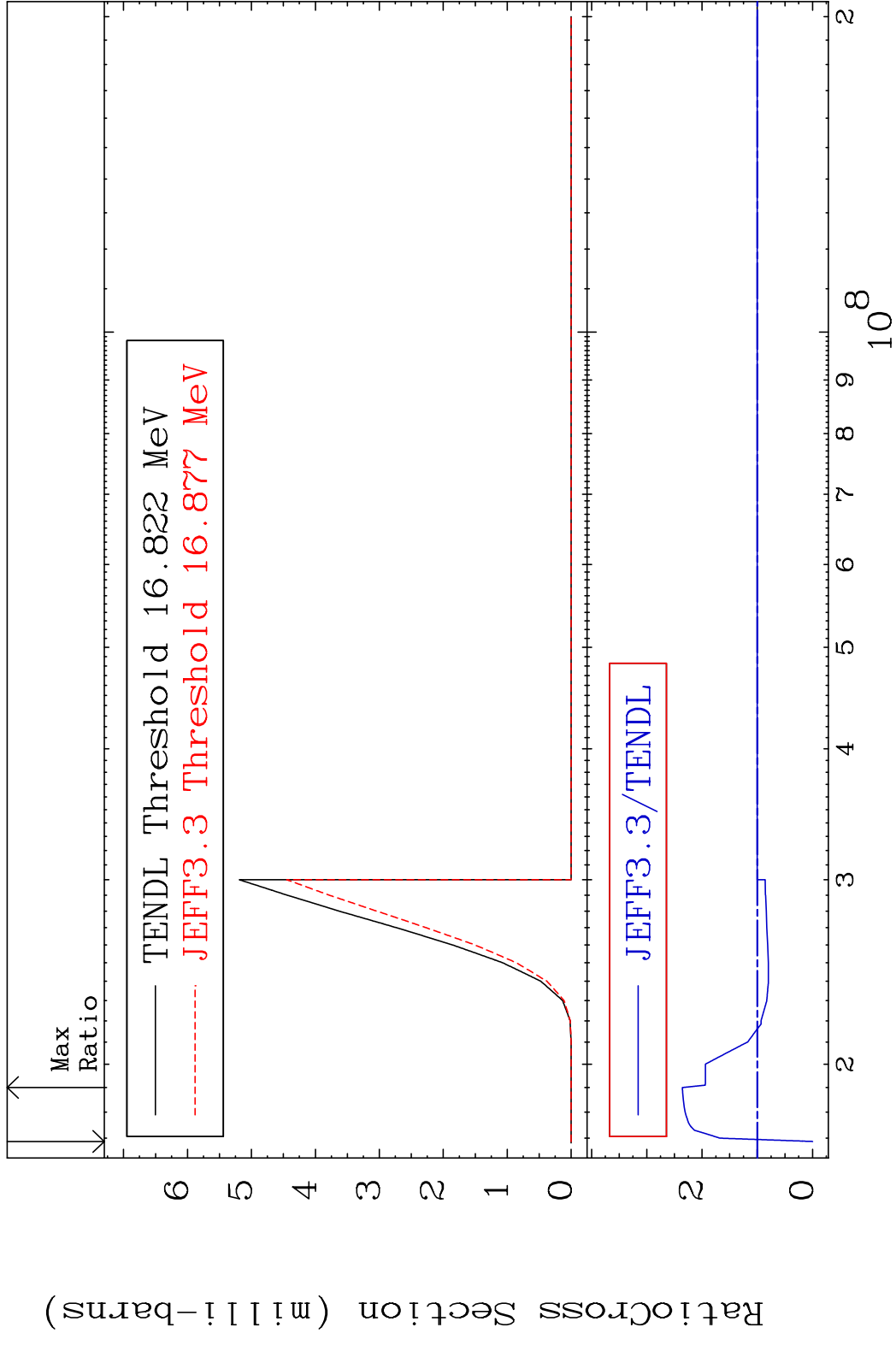
MAT 1625 (n,p) d 16-S -32
 Cross Section -100.0 To 20.22 %



MAT 1625 (n,p) t 16-S -32
 Cross Section -100.0 To 20.17 %



MAT 1625 (n,d) α 16-S -32
 Cross Section -100.0 To 135.6 %

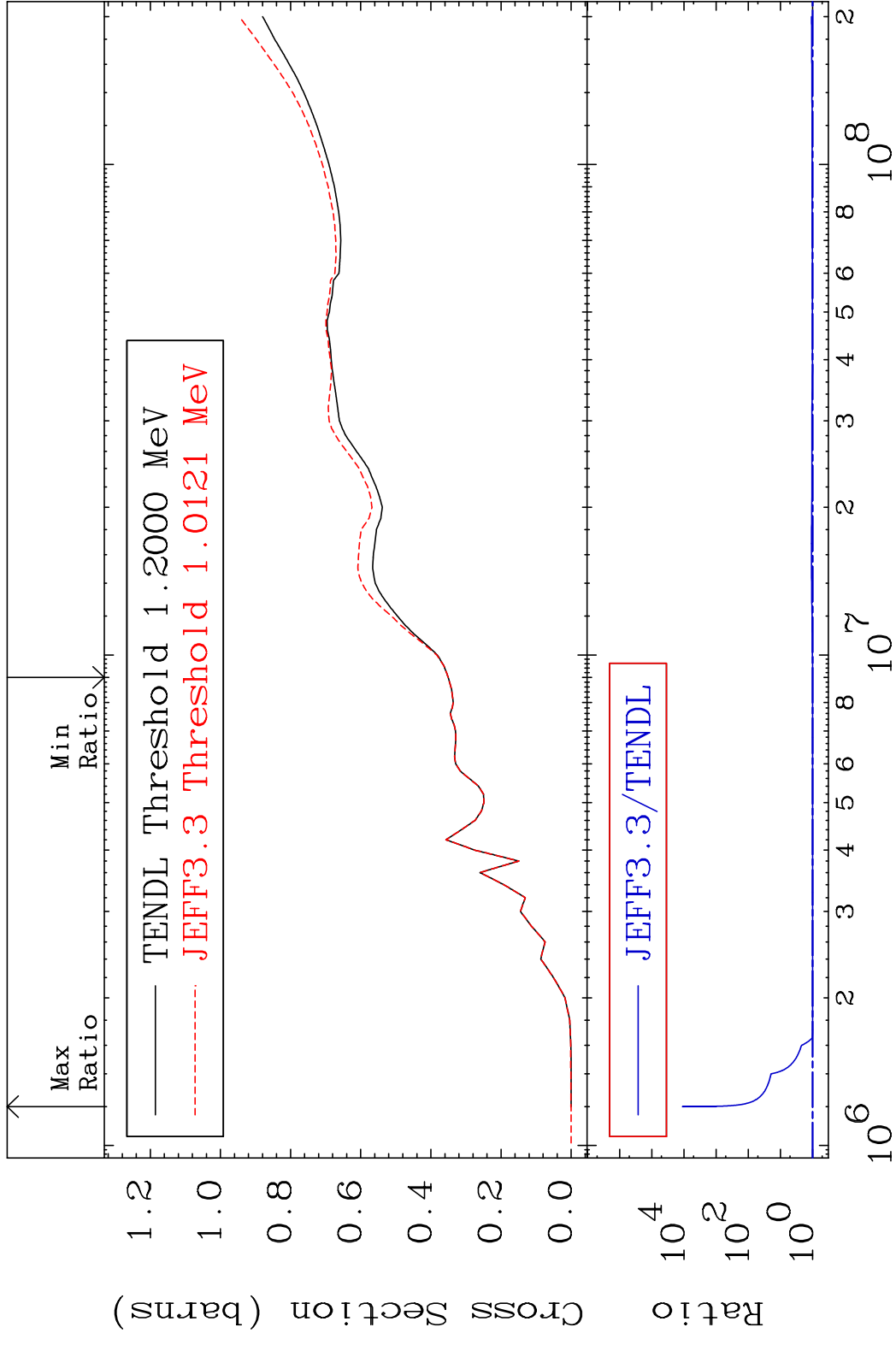


MAT 1625

Hydrogen Production

16-S -32

Cross Section -0.066 To 9999. %



49

Incident Energy (eV)

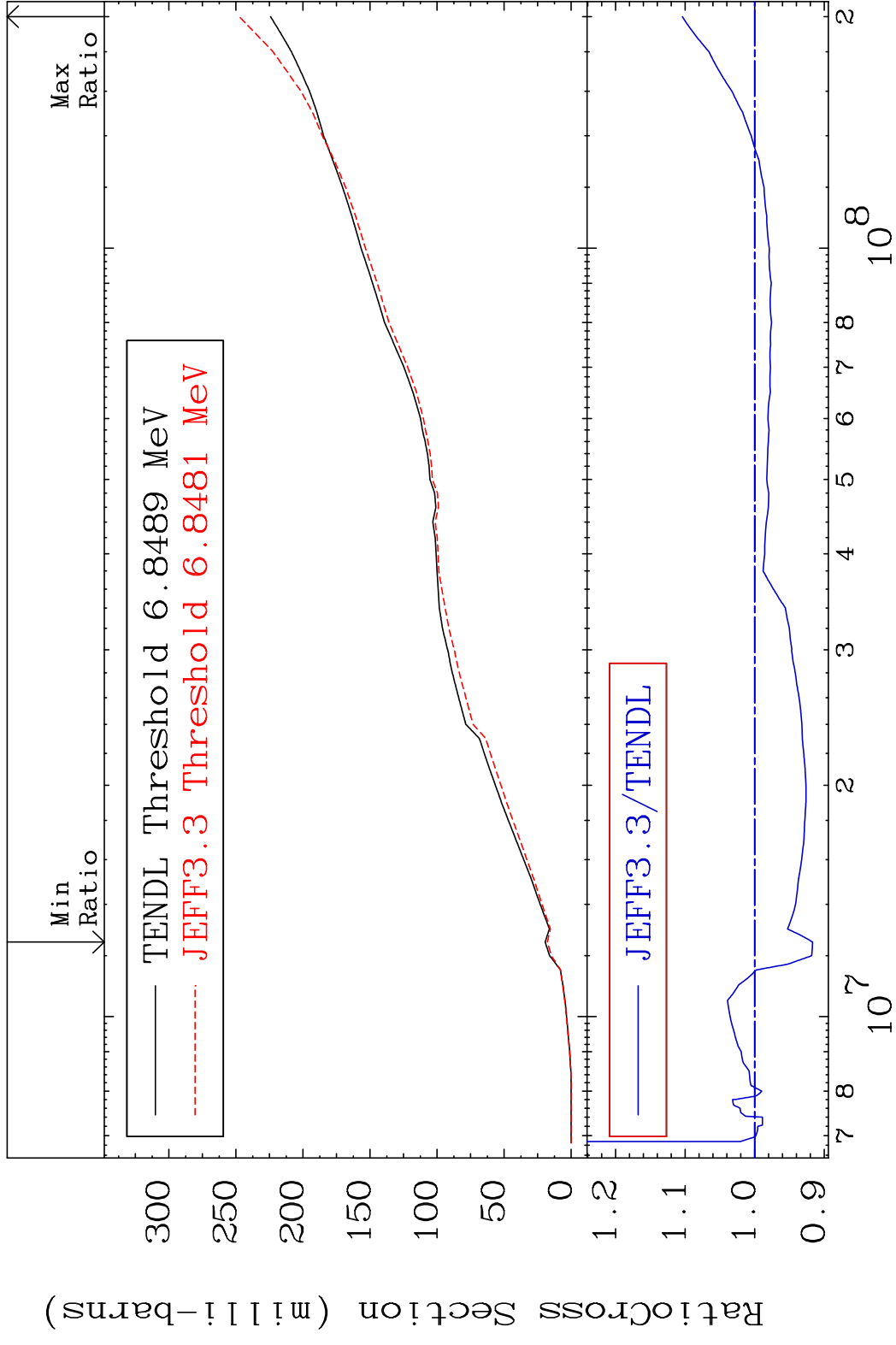
16-S -32

MAT 1625

Deuterium Production

16-S -32

Cross Section -8.324 To 10.39 %

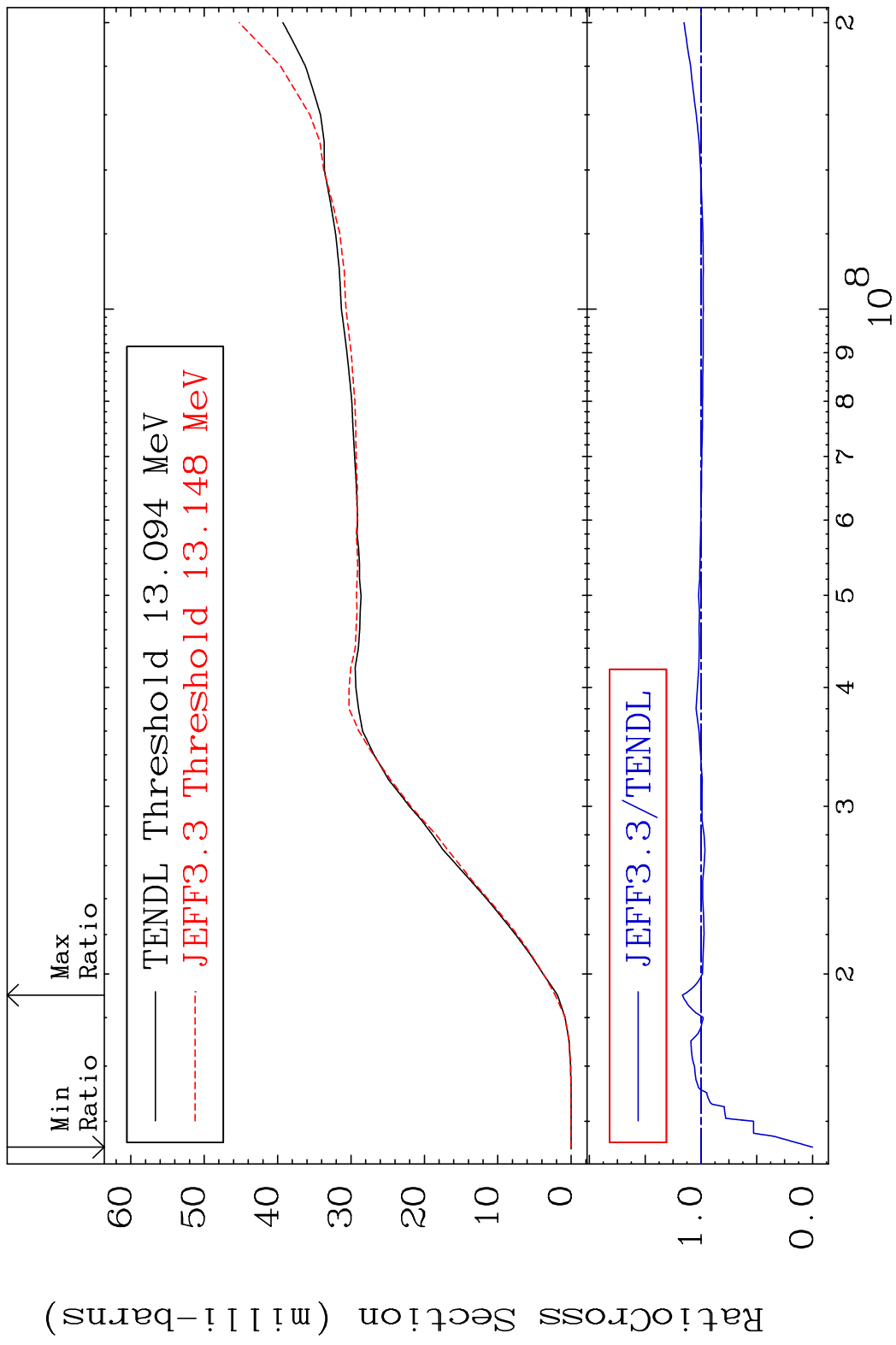


50

Incident Energy (eV)

16-S -32

MAT 1625 Tritium Production 16-S -32
 Cross Section -100.0 To 16.70 %

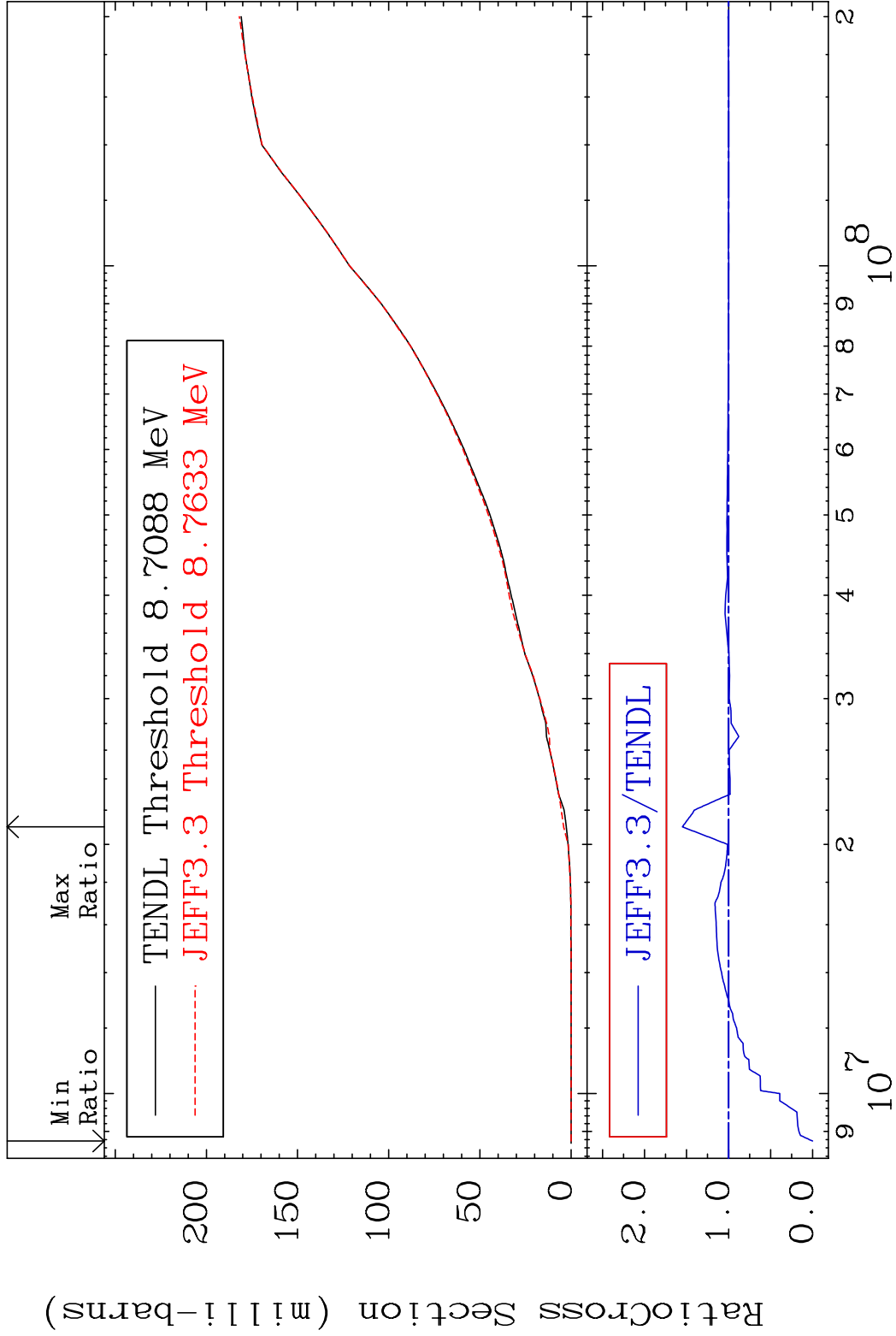


MAT 1625

He-3 Production

16-S -32

Cross Section -100.0 To 55.03 %



52

Incident Energy (eV)

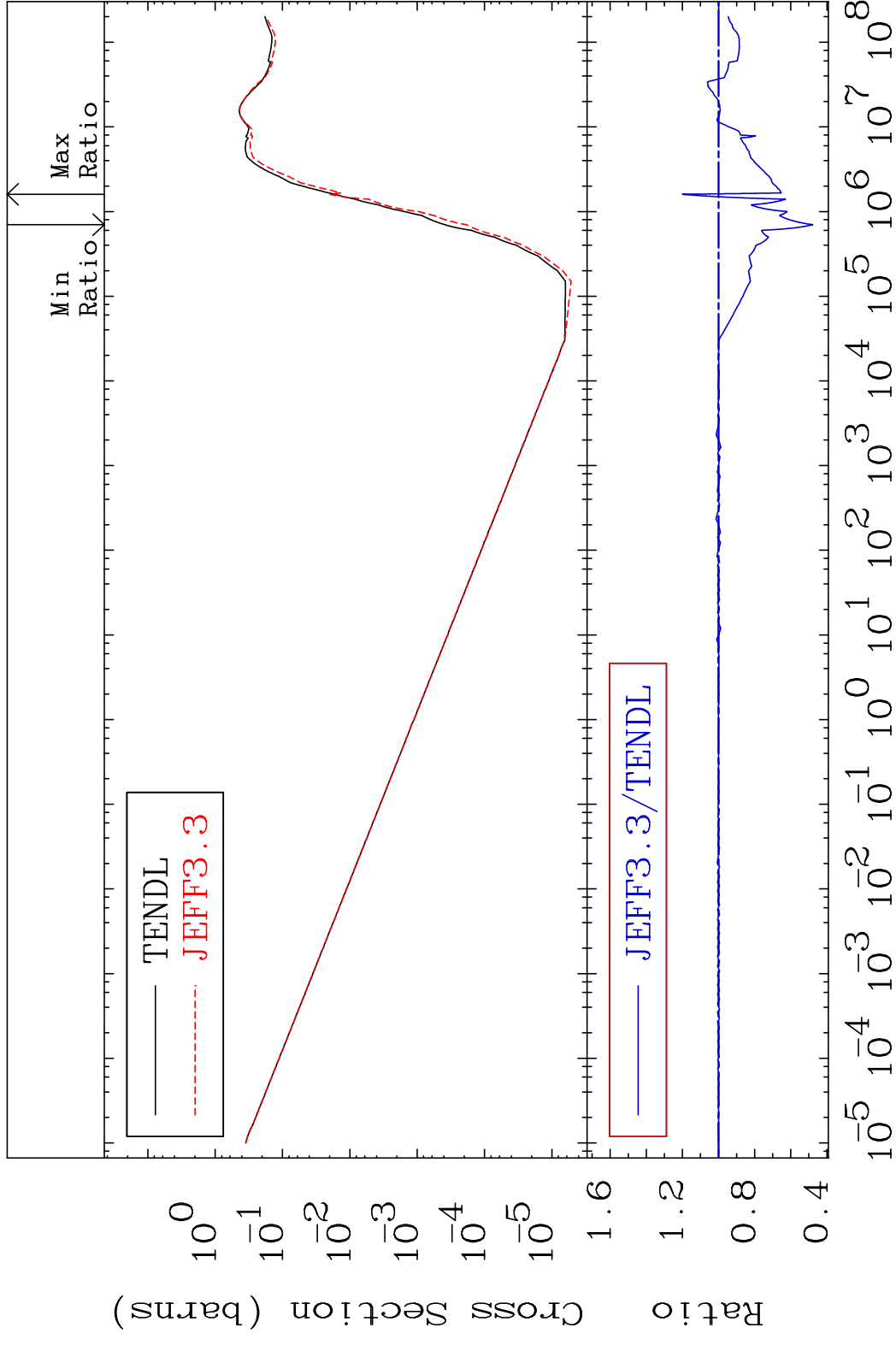
16-S -32

MAT 1625

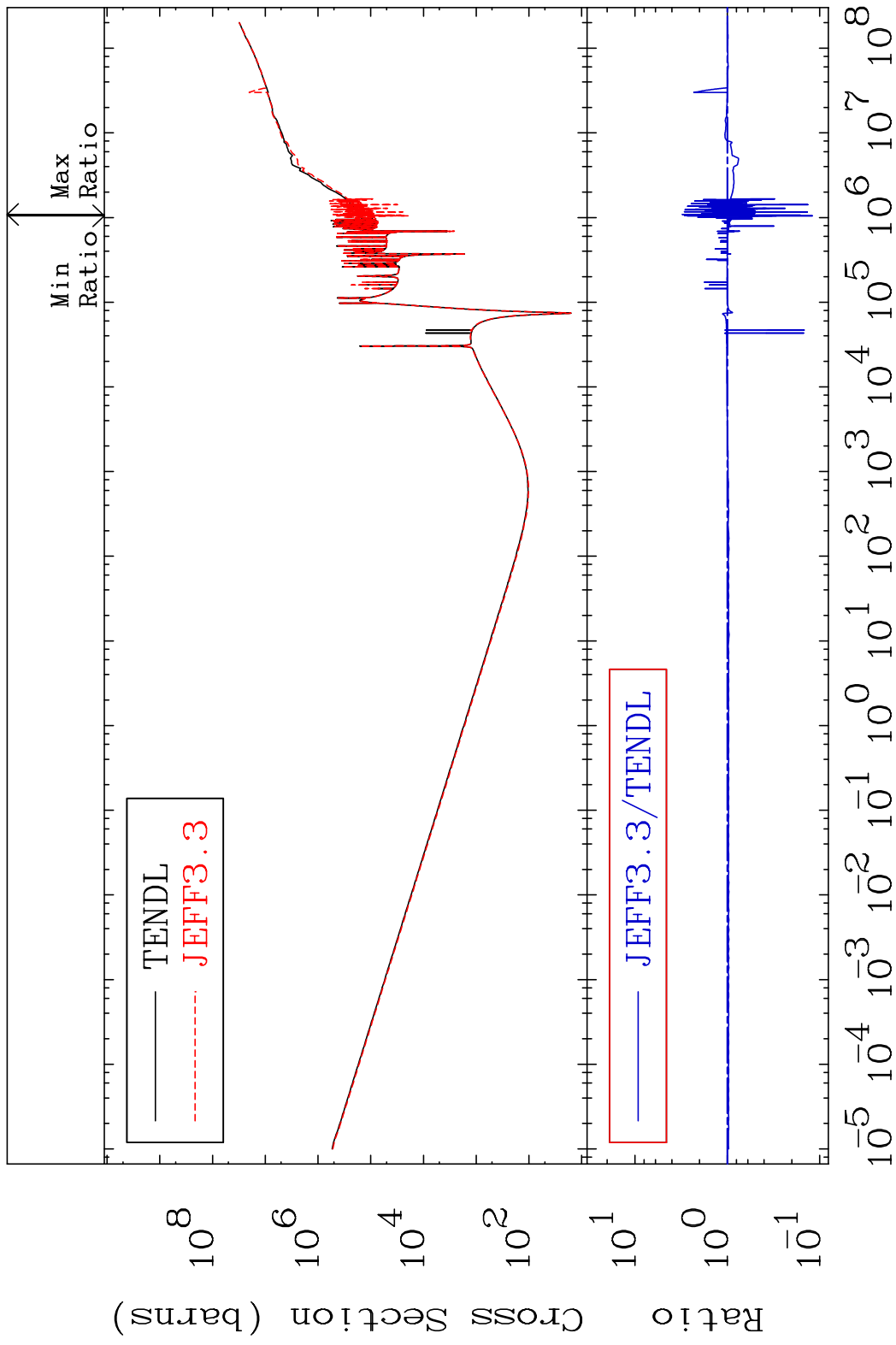
He-4 Production

16-S -32

Cross Section -52.07 To 20.04 %



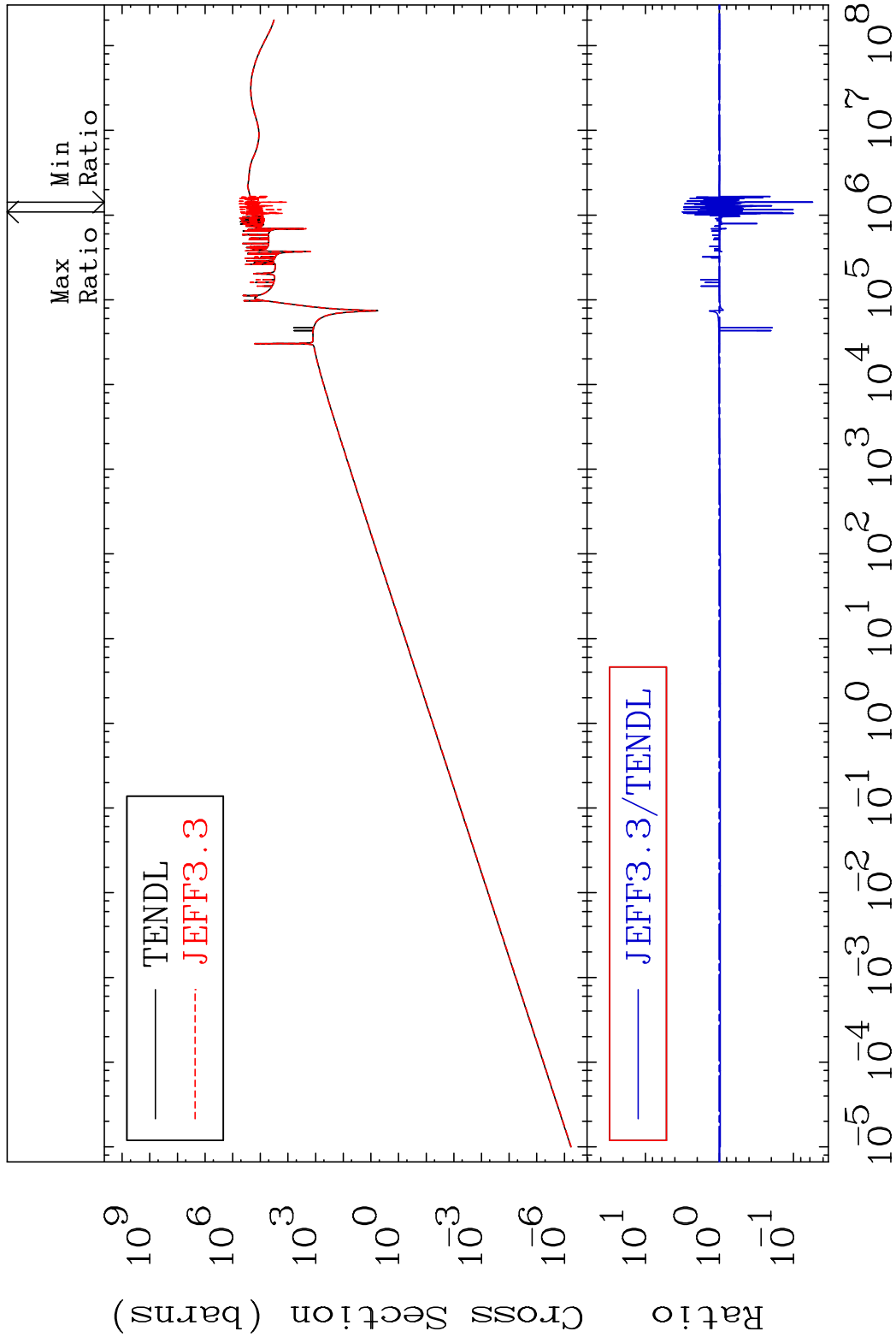
MAT 1625 Kerma total (eV-barns) 16-S -32
 Cross Section -88.04 To 207.4 %



MAT 1625

Kerma elastic
Cross Section

16-S -32
-94.46 To 216.7 %

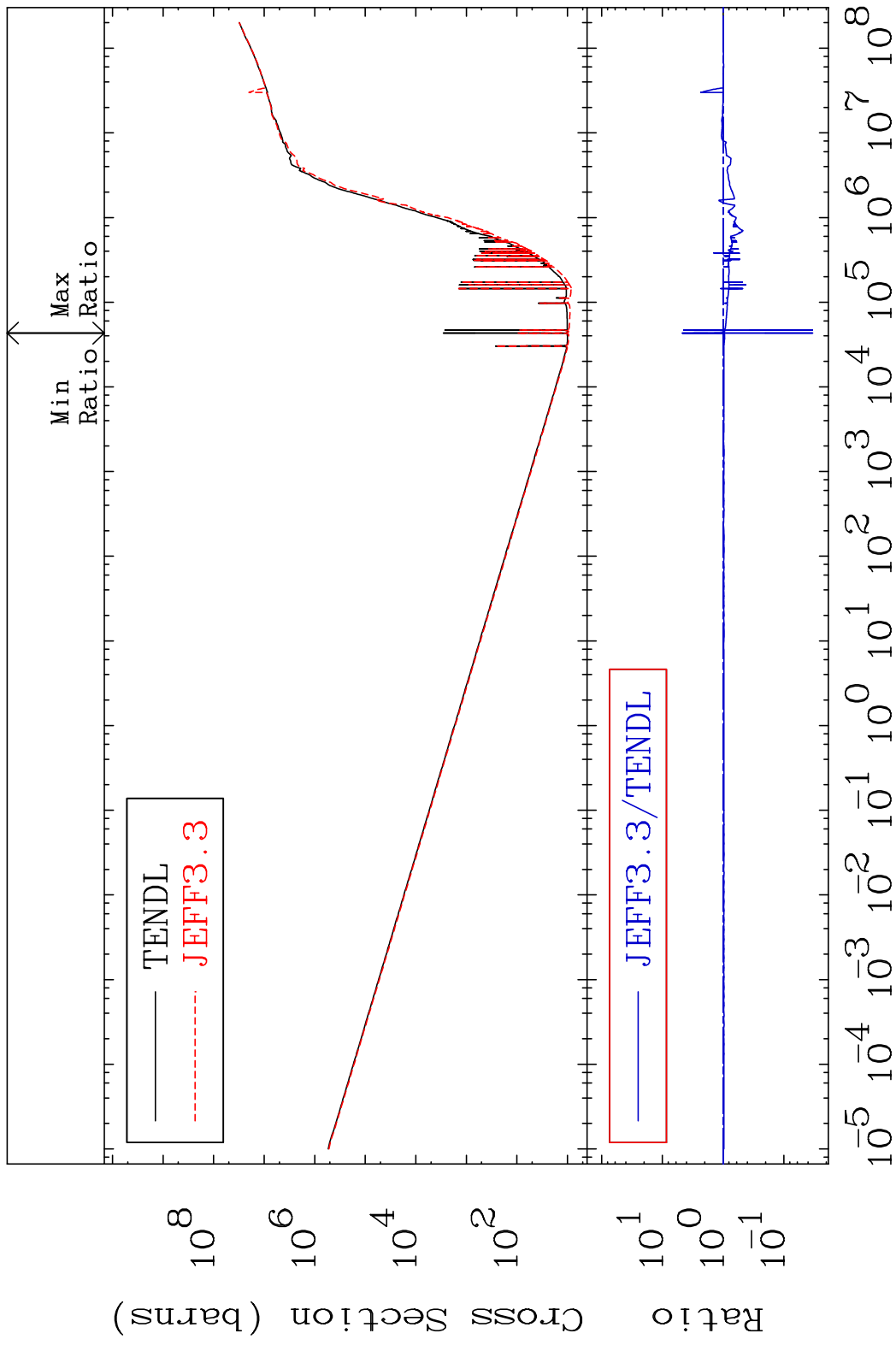


55

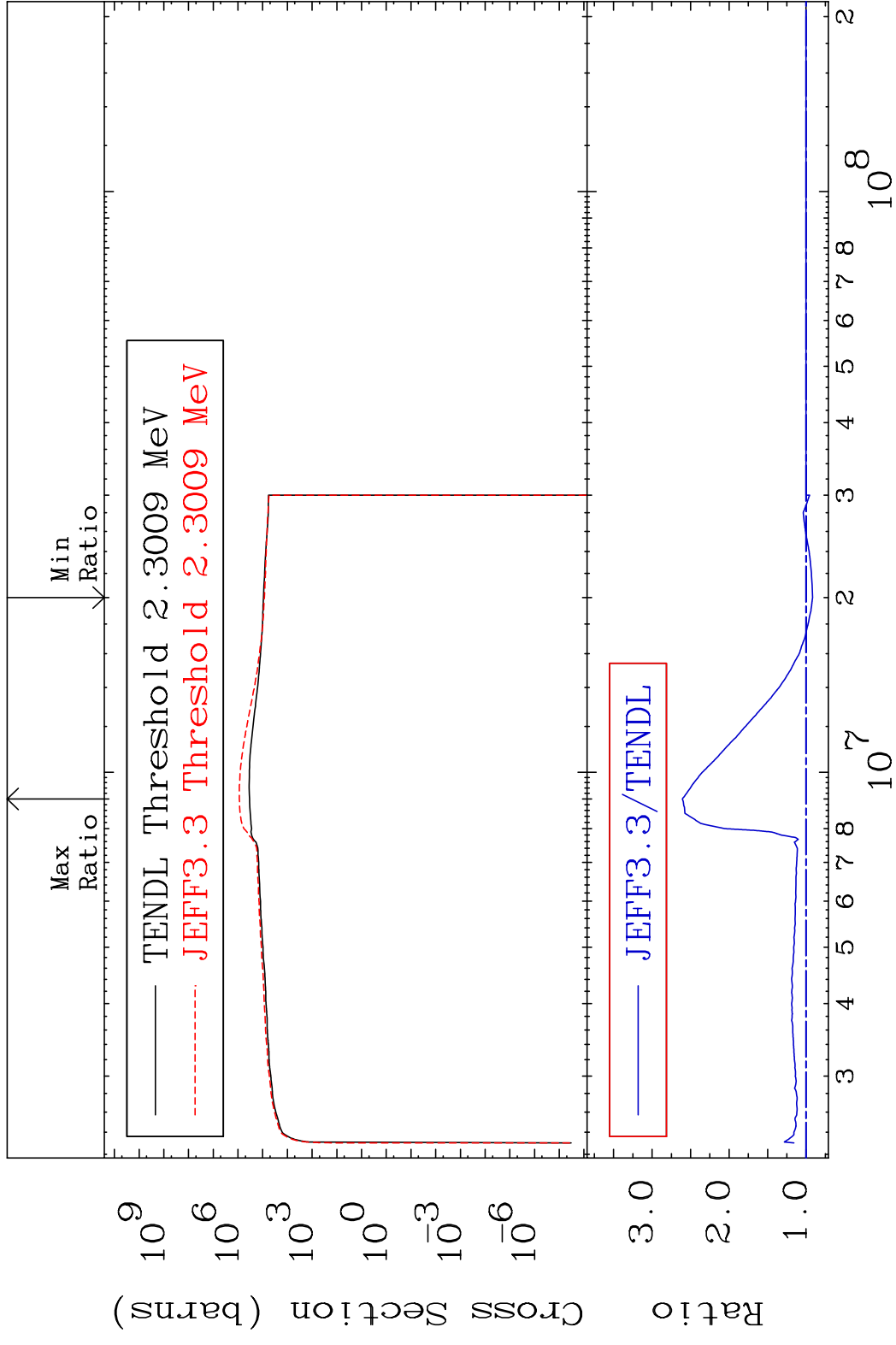
Incident Energy (eV)

16-S -32

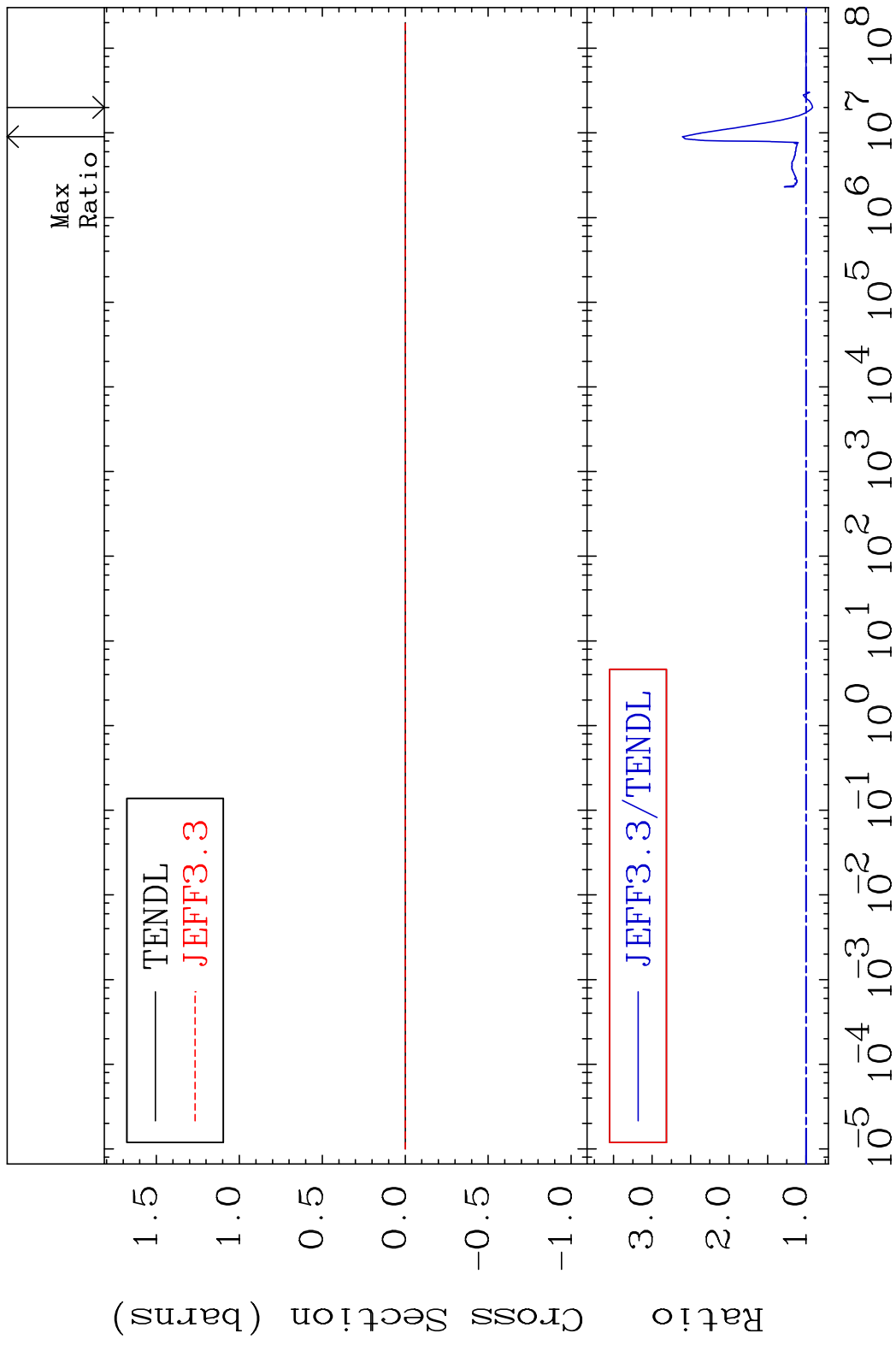
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -96.64 To 369.5 %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32
 Cross Section -8.410 To 160.7 %

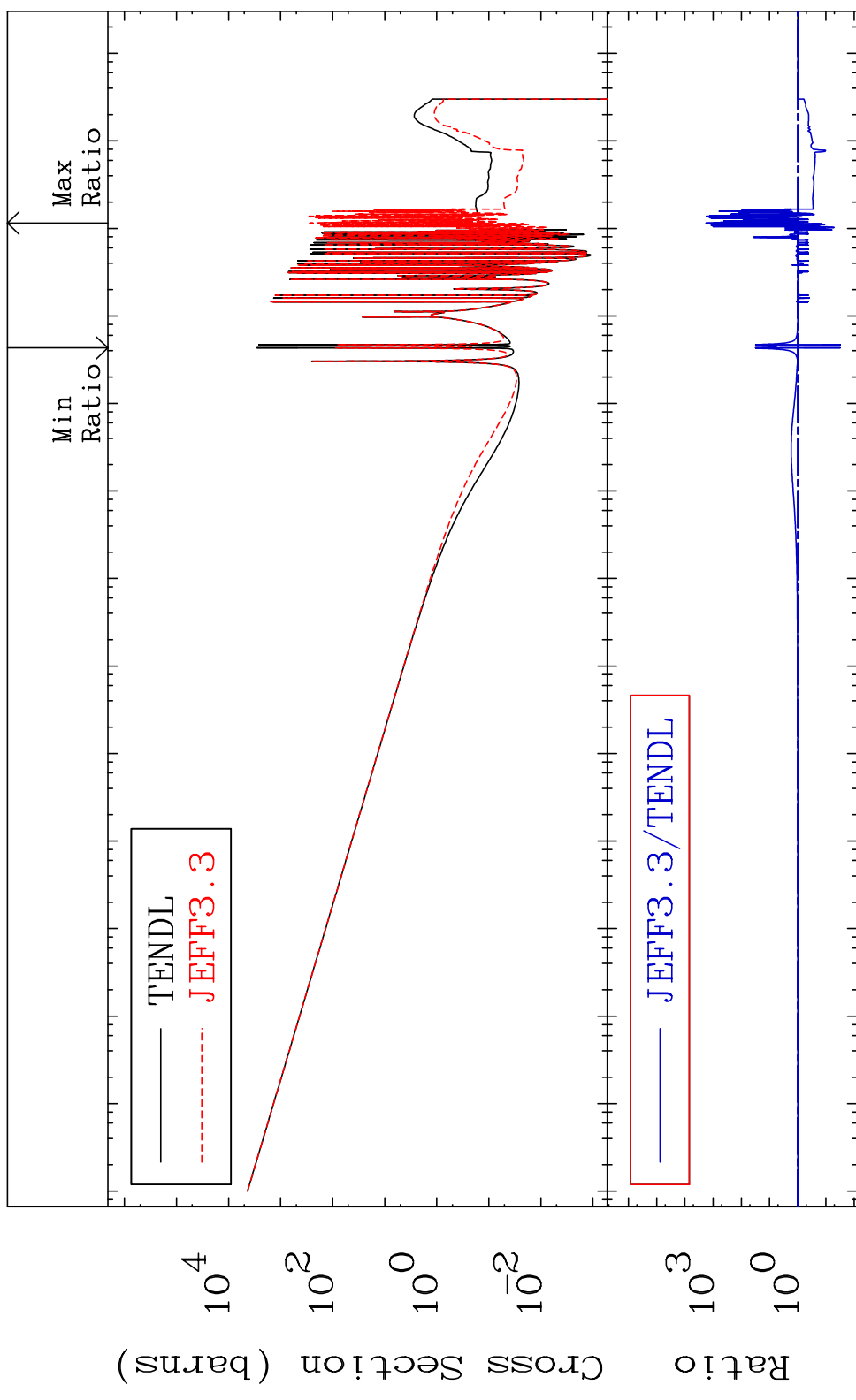


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -8.410 To 160.7 %



MAT 1625

Kerma capture (mt102) 16-S -32
Cross Section -96.95 To 9999. %



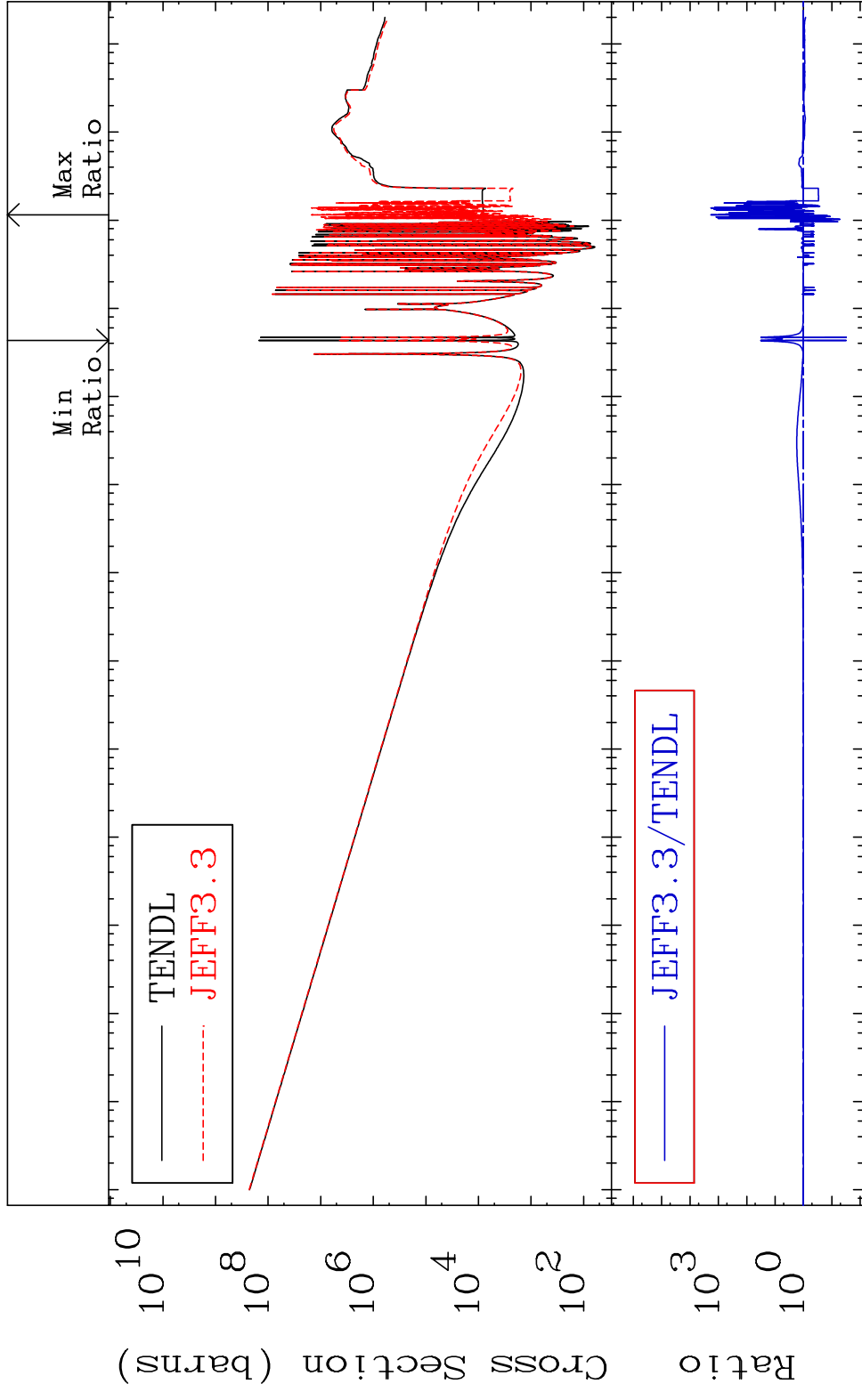
59

Incident Energy (eV)

16-S -32

MAT 1625

Total photon (eV-barns) 16-S -32
Cross Section -96.91 To 9999. %



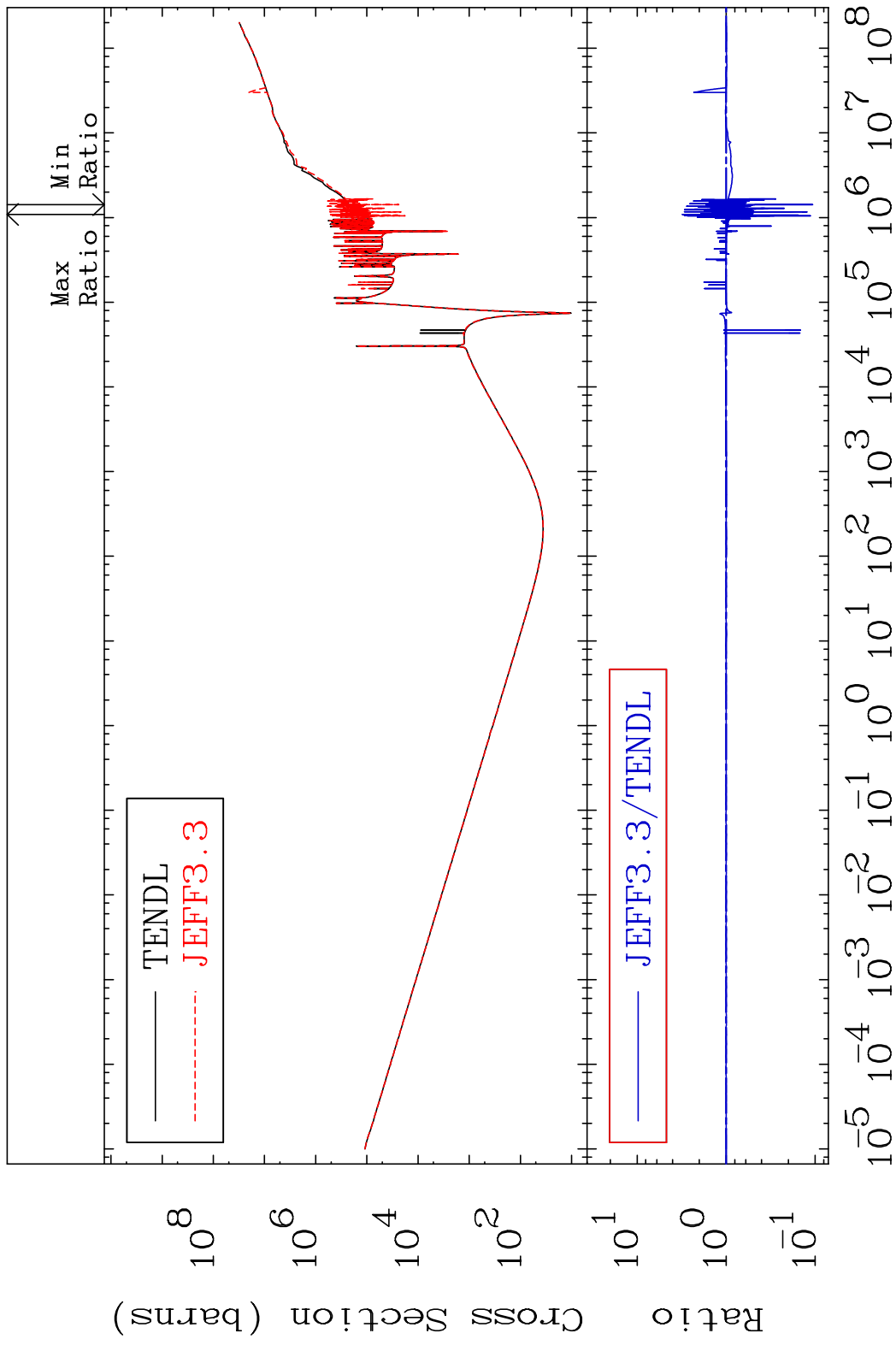
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

60

Incident Energy (eV)

16-S -32

MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -89.30 To 210.4 %

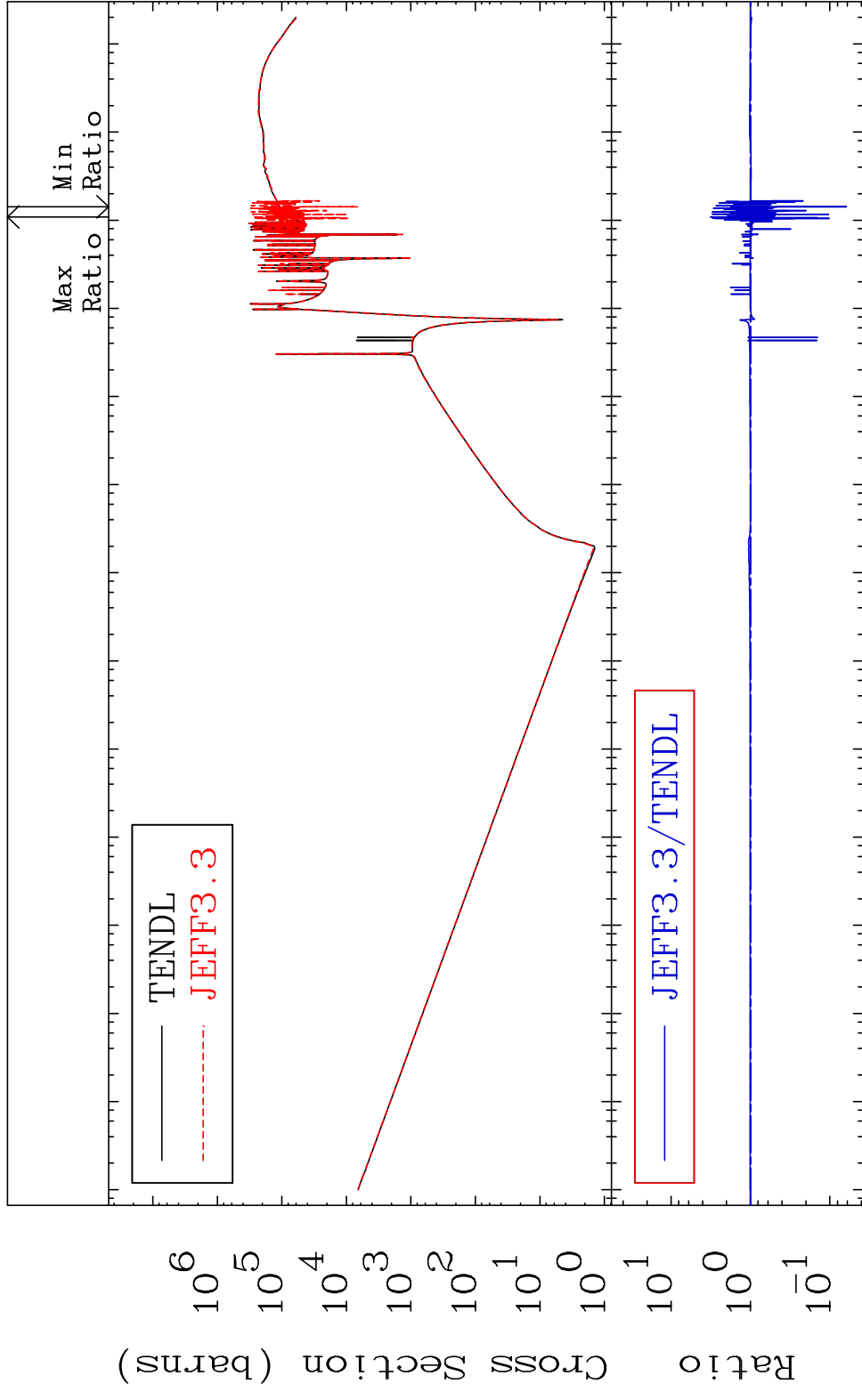


MAT 1625

Dpa total (eV-barns)

16-S -32

Cross Section -93.81 To 216.0 %

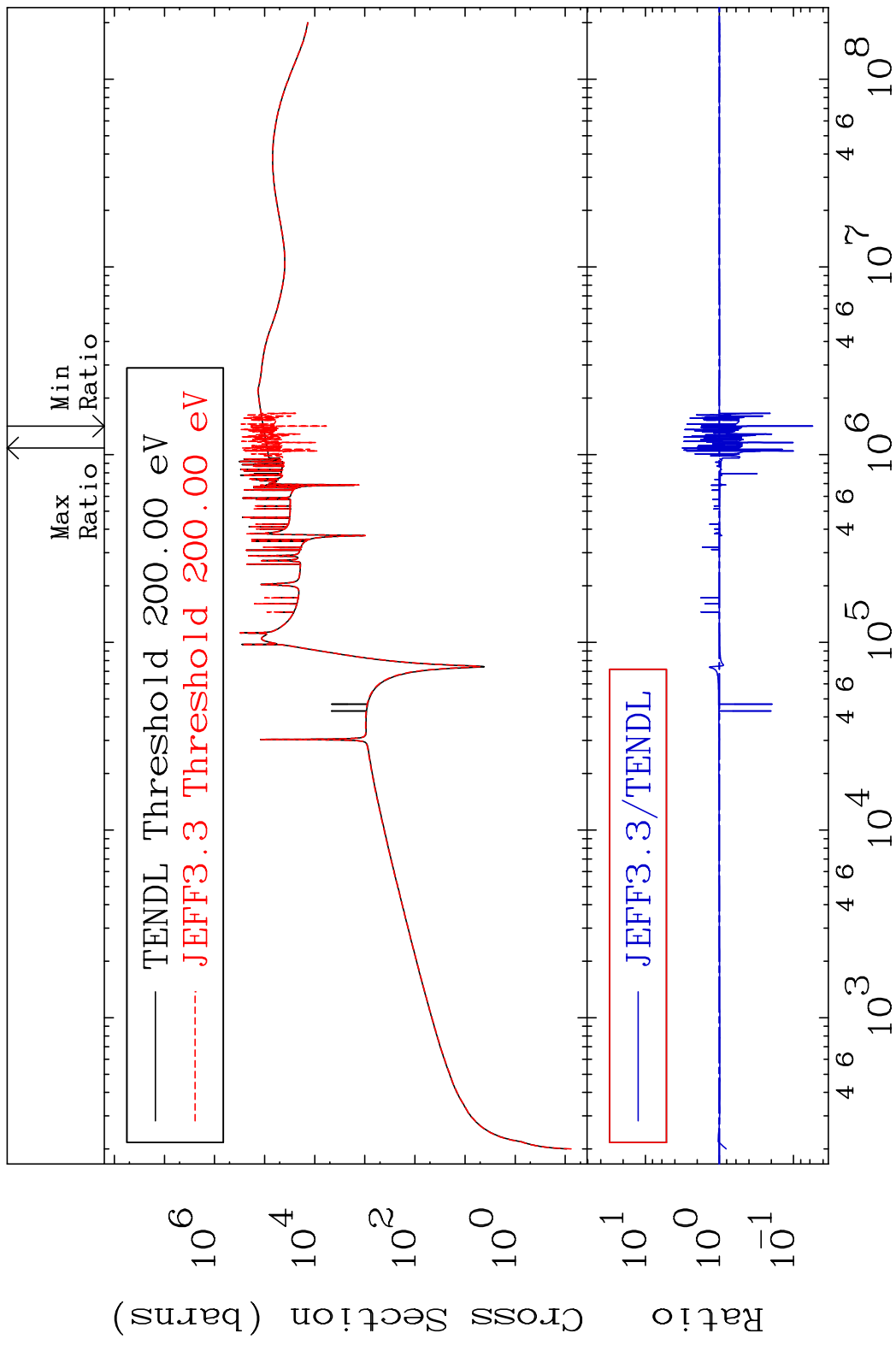


62

Incident Energy (eV)

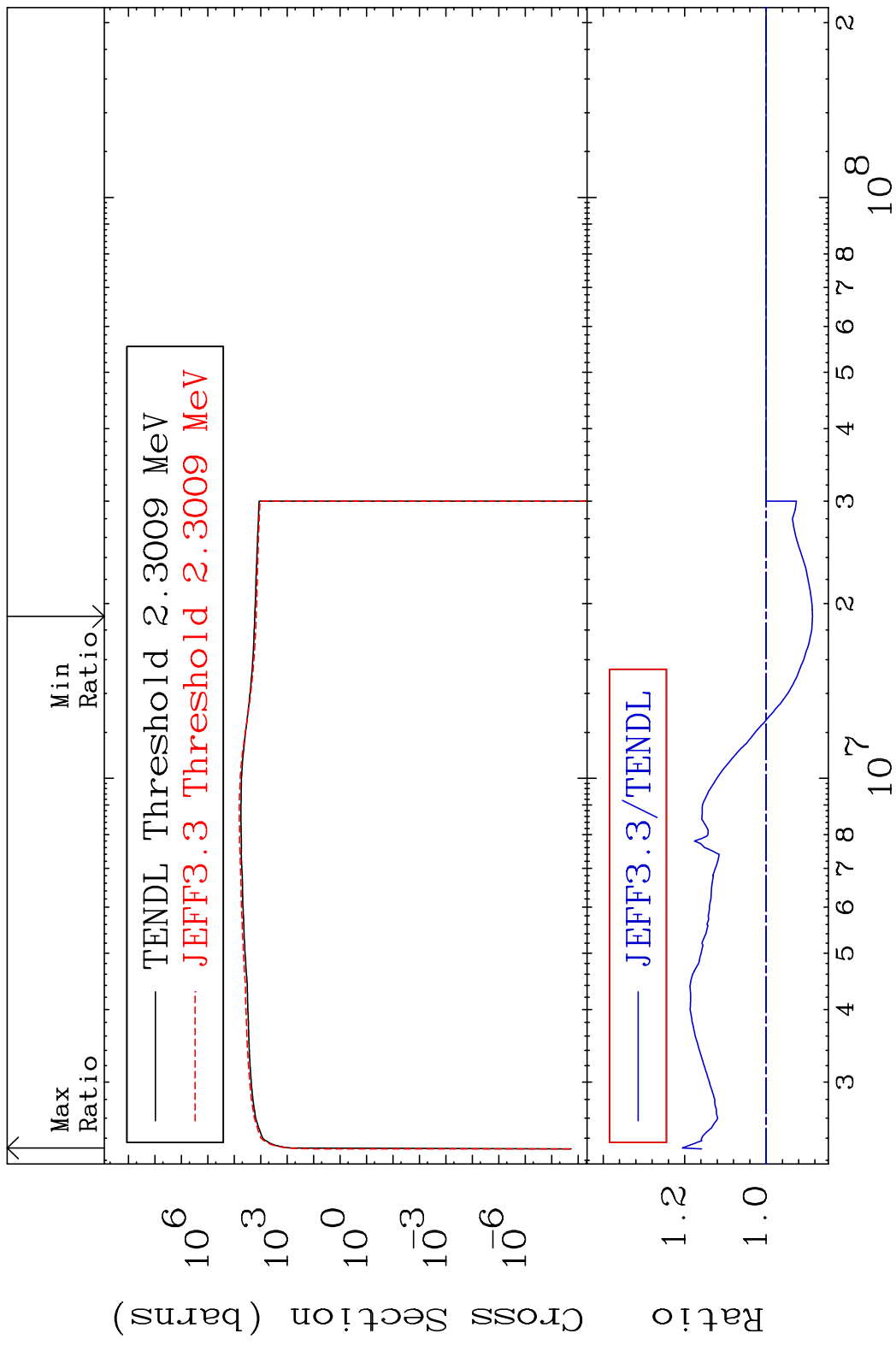
16-S -32

MAT 1625 Dpa elastic (mt2) 16-S -32
 Cross Section -94.46 To 216.6 %

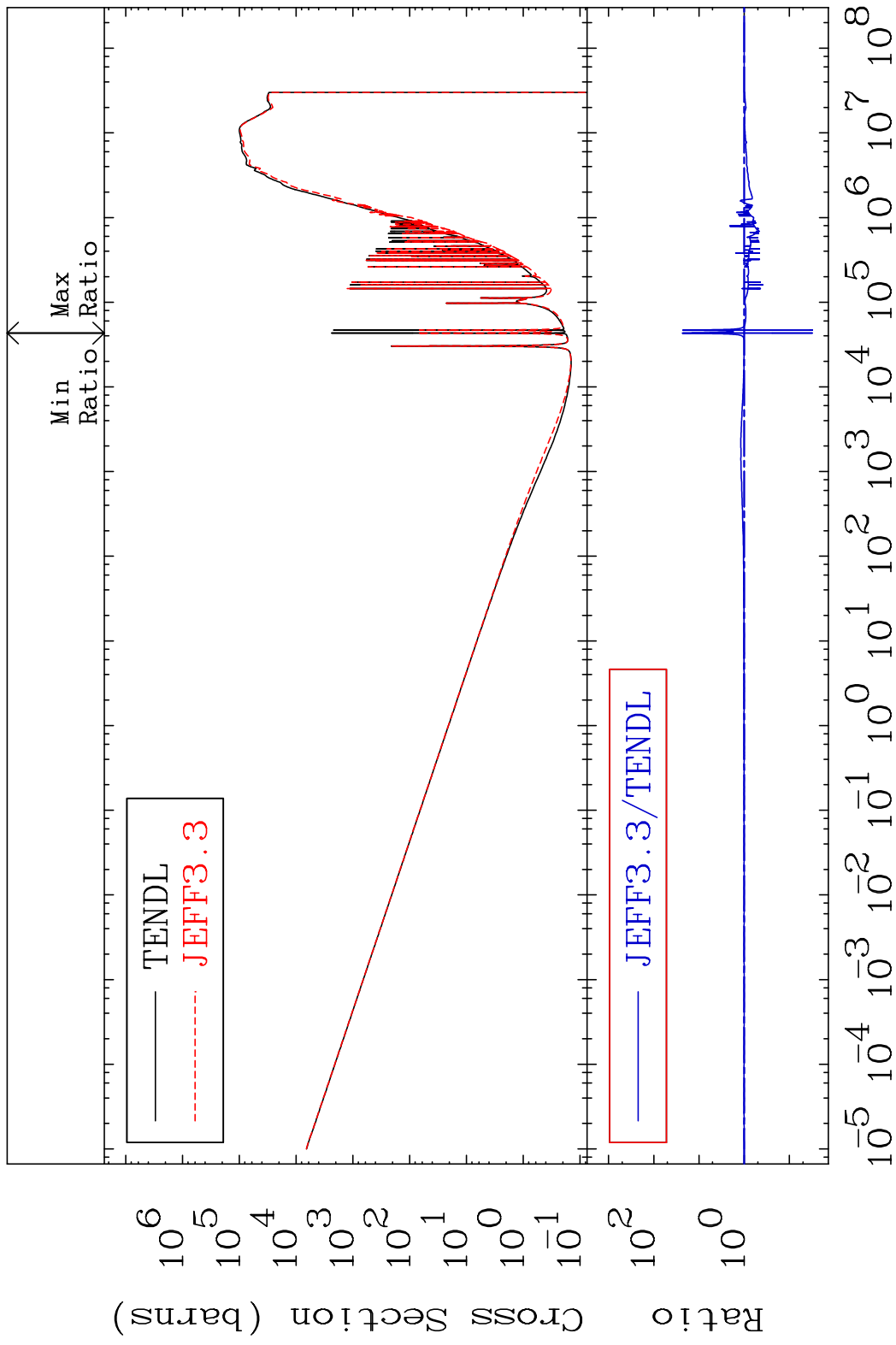


63 Incident Energy (eV) 16-S -32

MAT 1625 Dpa inelastic (mt51-91) 16-S -32
 Cross Section -11.41 To 20.57 %



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -96.93 To 2232. %



65 Incident Energy (eV) 16-S -32