

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

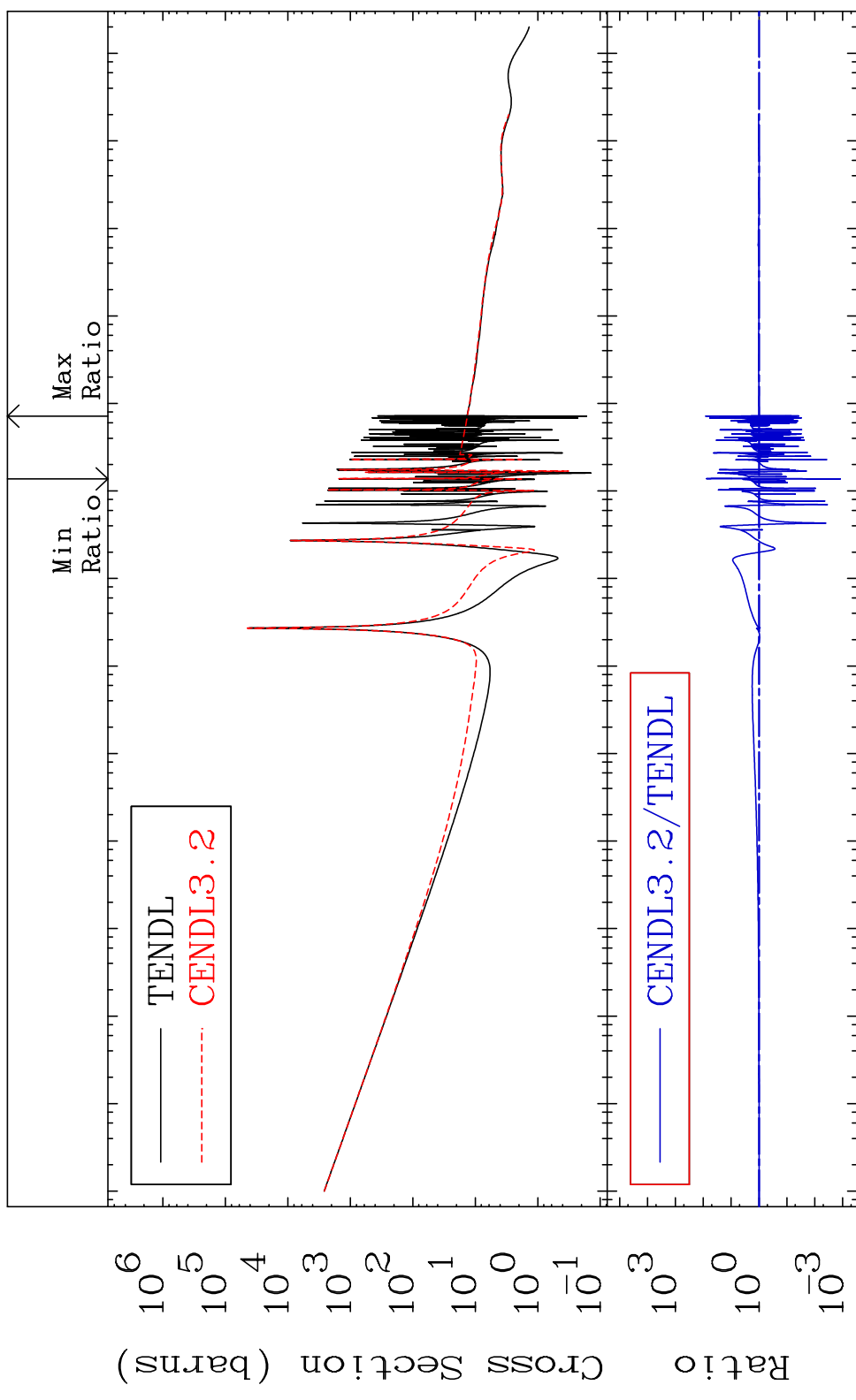
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 3425

Total Cross Section -99.88 To 8044. %
34-Se-74



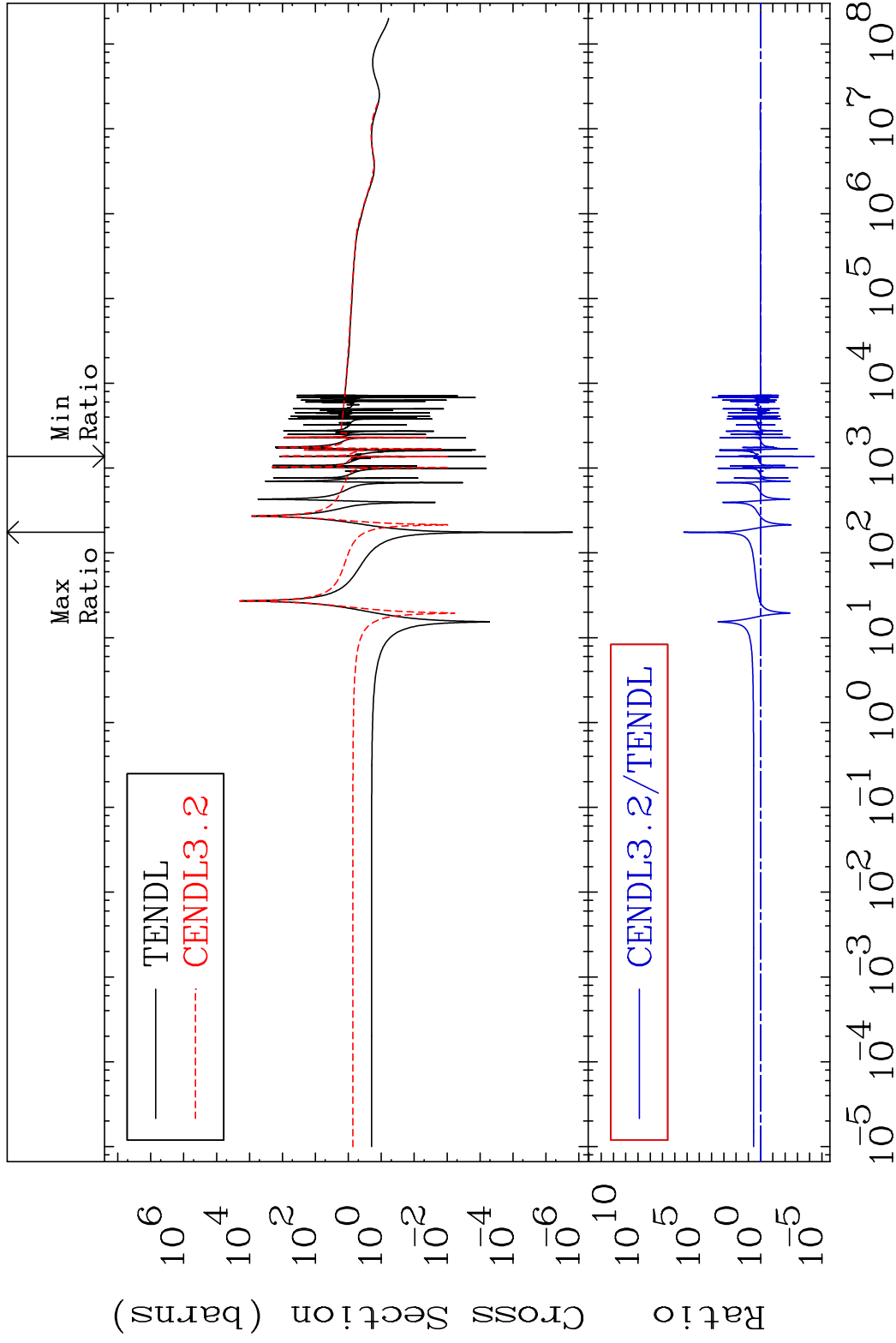
1 Incident Energy (eV) 34-Se-74

MAT 3425

Elastic

34-Se-74

Cross Section -100.0 To 9999. %

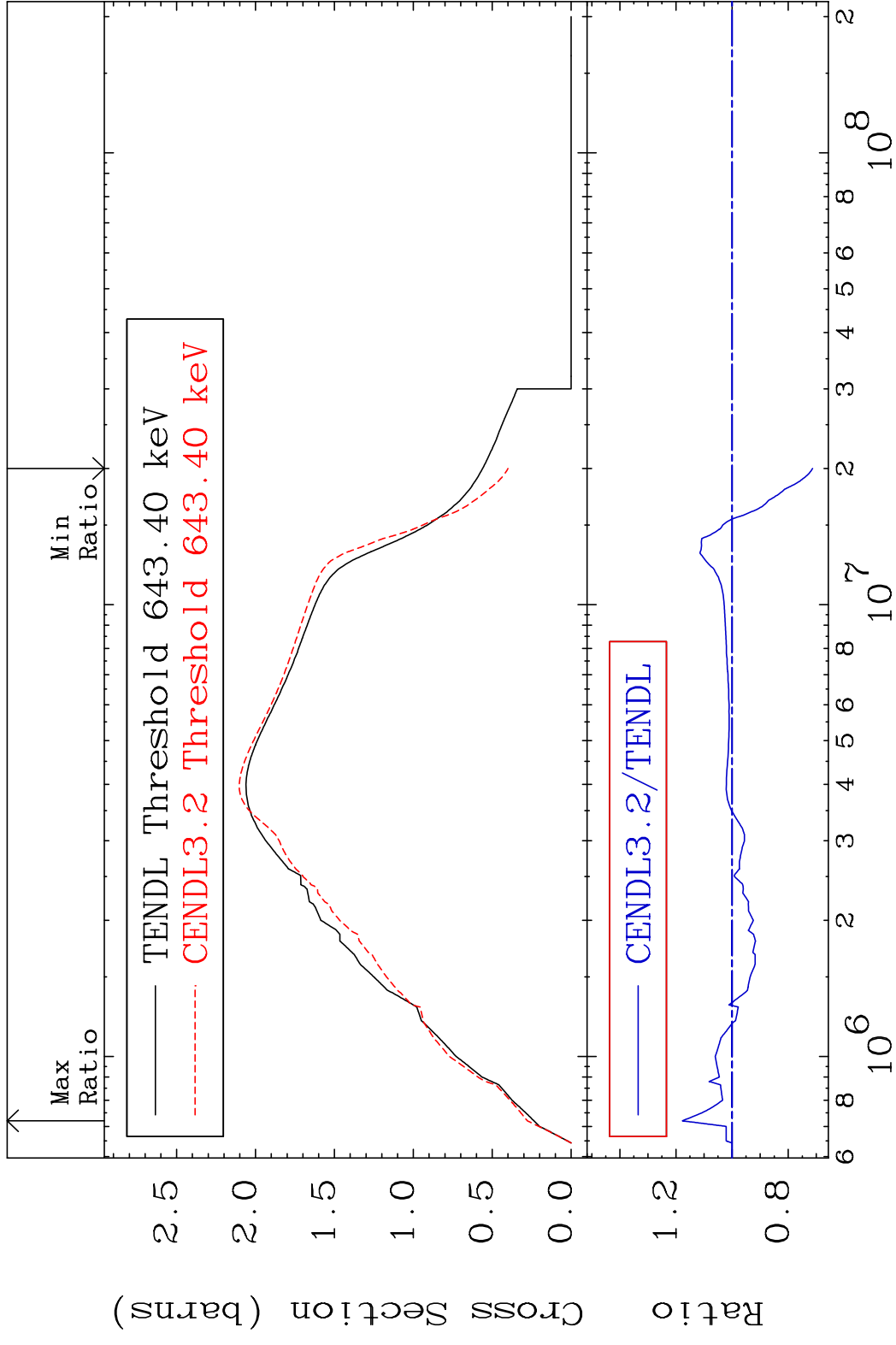


2

Incident Energy (eV)

34-Se-74

MAT 3425 Inelastic 34-Se-74
 Cross Section -28.68 To 17.73 %



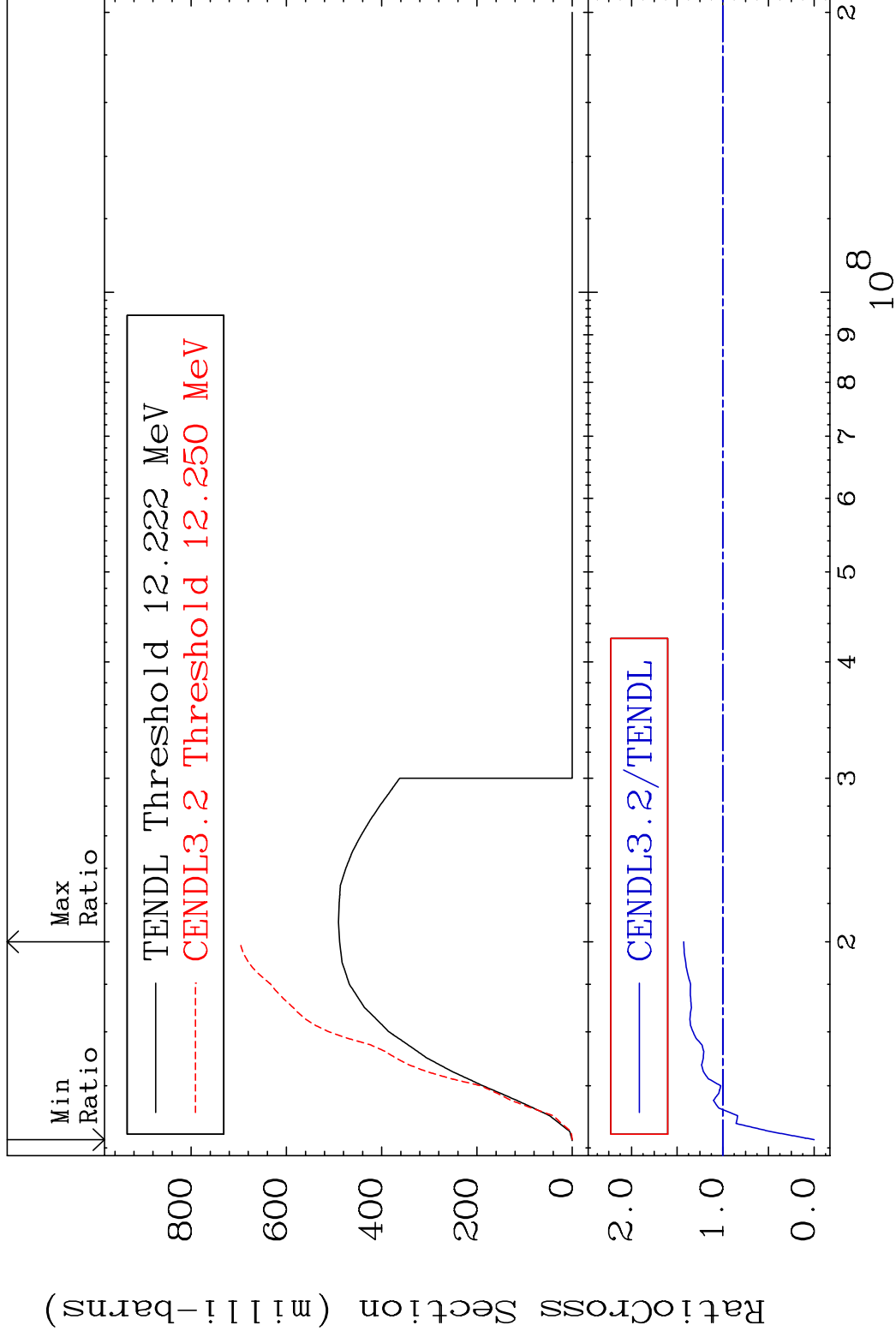
3 34-Se-74

MAT 3425

(n,2n)

³⁴Se-74

Cross Section -100.0 To 42.87 %



4

Incident Energy (eV)

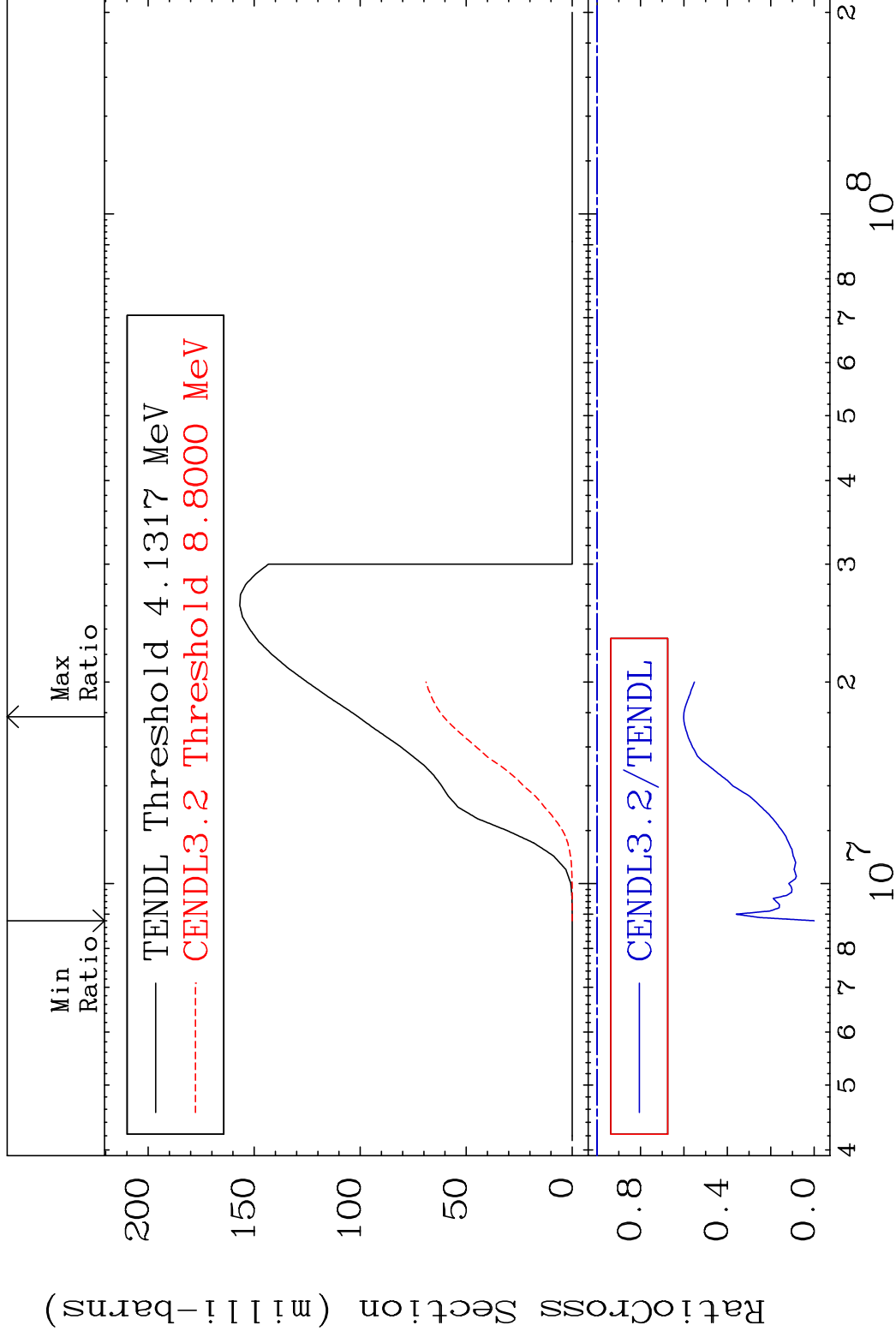
³⁴Se-74

MAT 3425

(n, n') α

$^{34}\text{Se-74}$

Cross Section -100.0 To -39.91%



5

Incident Energy (eV)

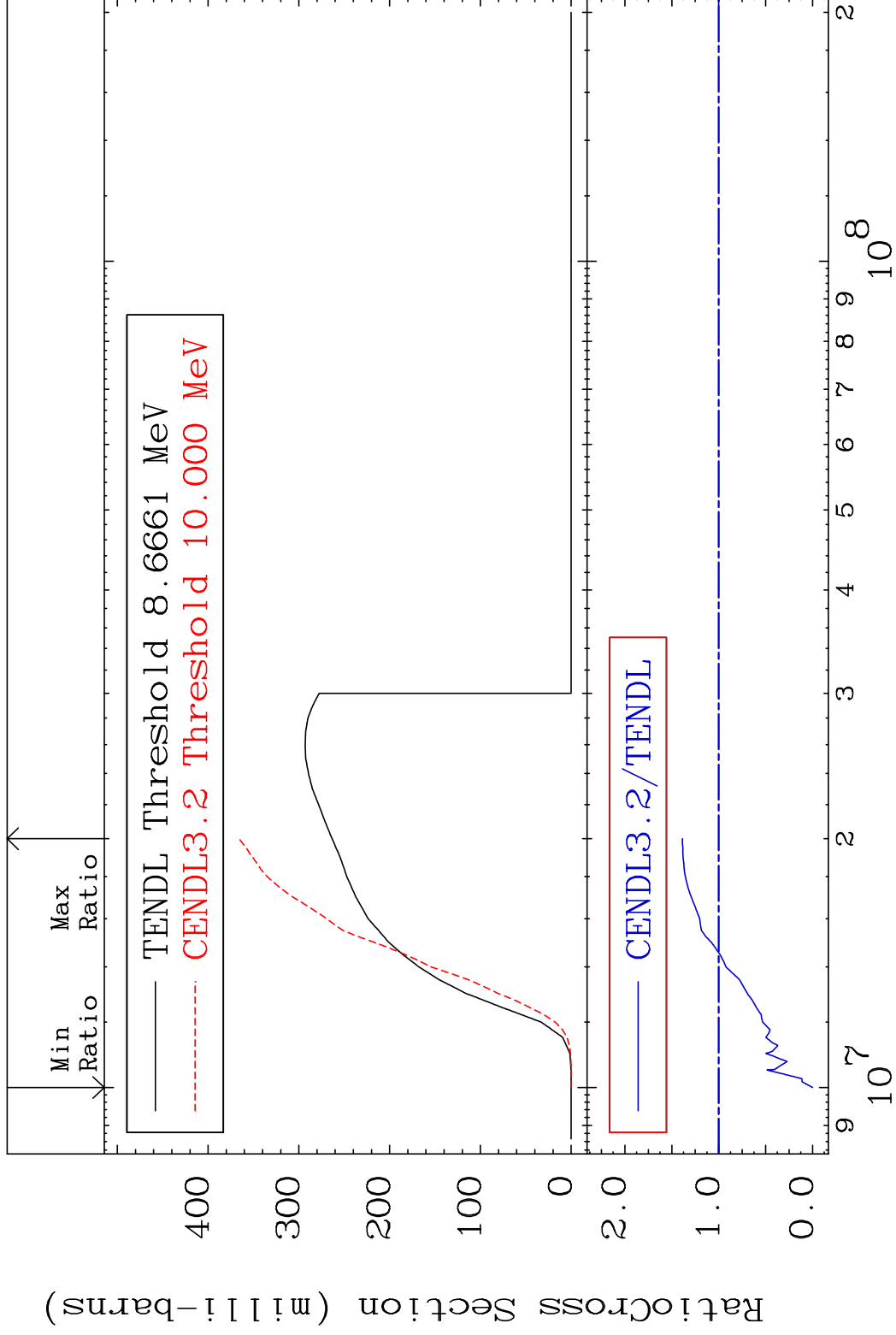
$^{34}\text{Se-74}$

MAT 3425

(n, n') p

³⁴Se-74

Cross Section -100.0 To 38.76 %

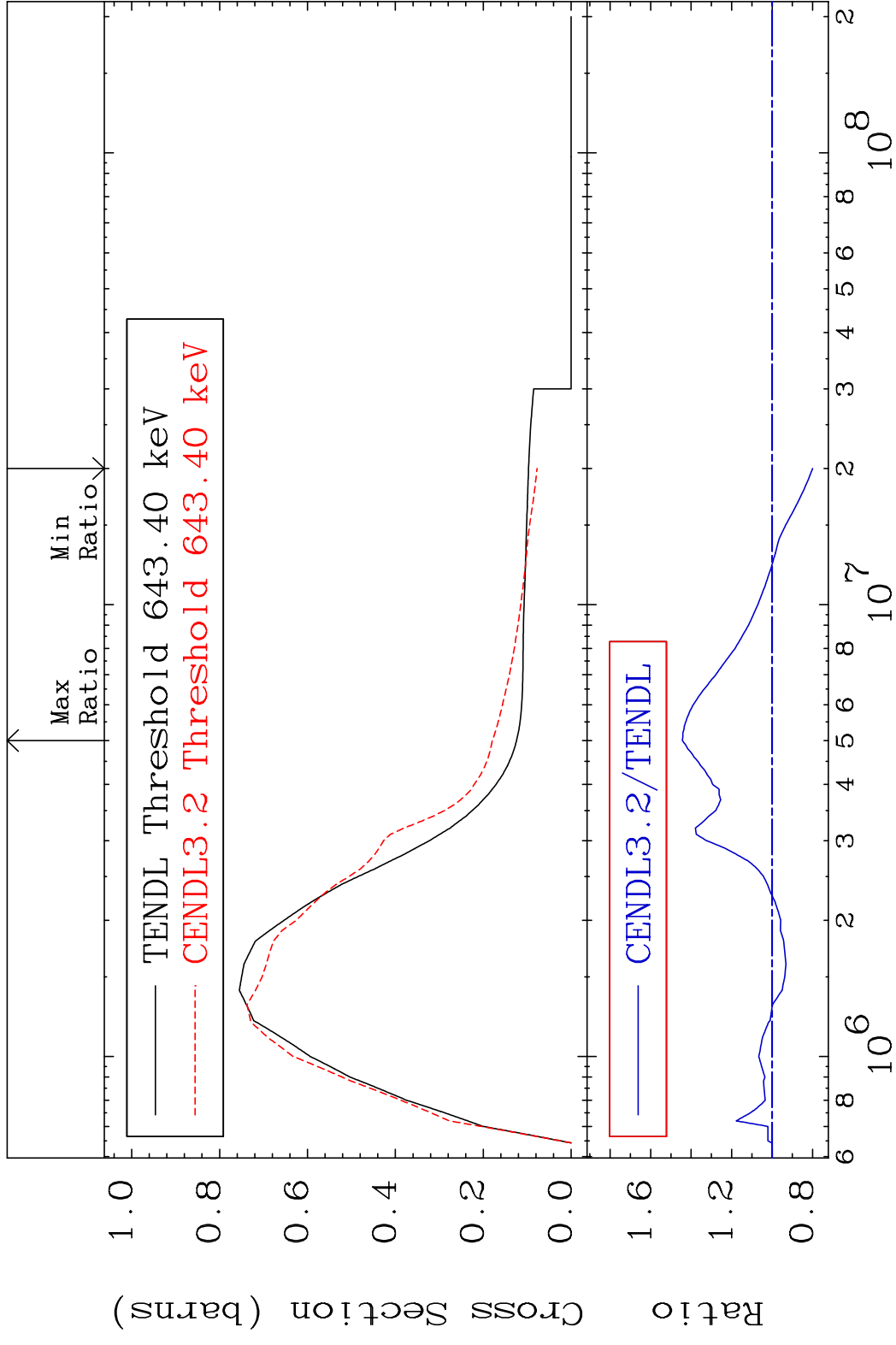


6

Incident Energy (eV)

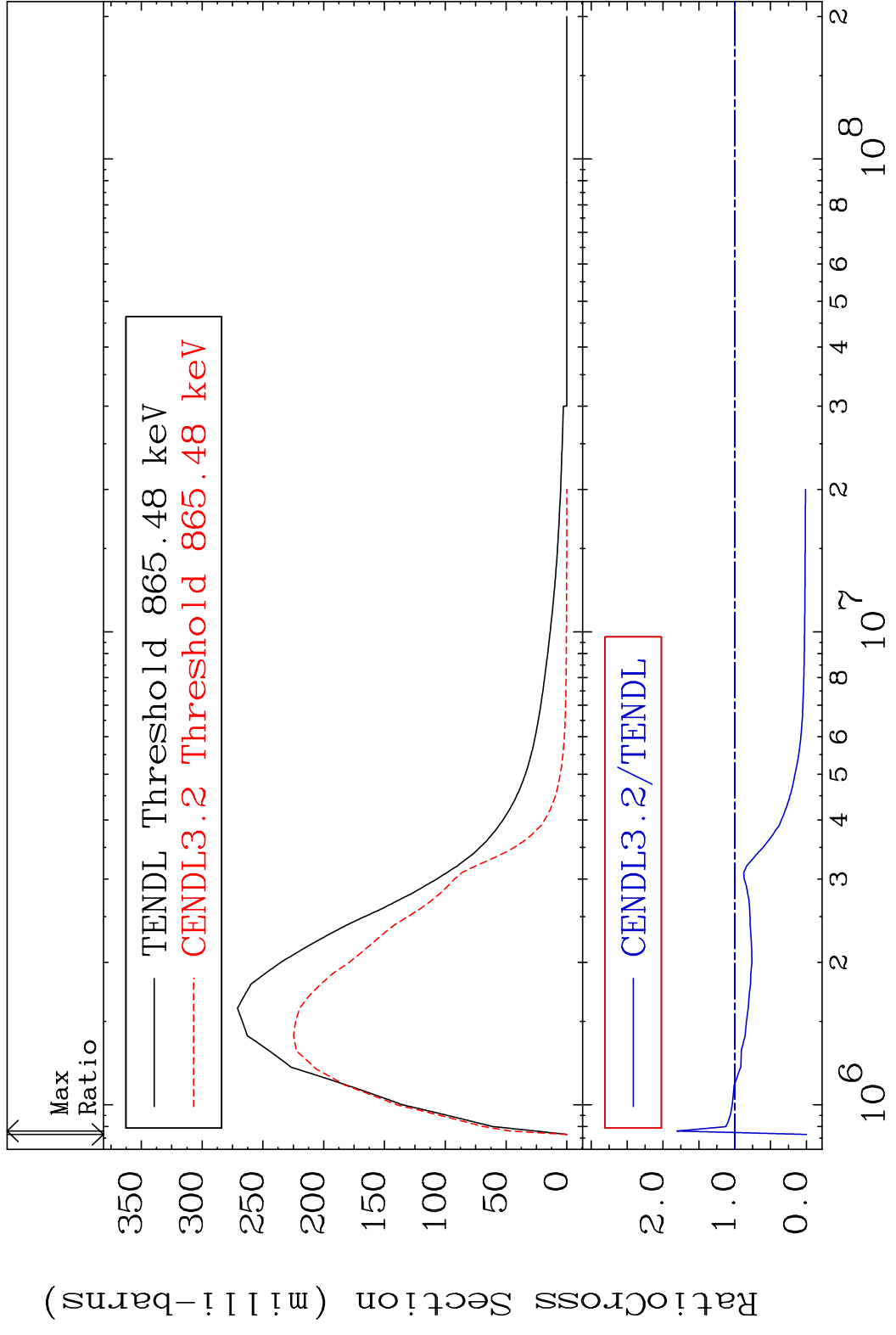
³⁴Se-74

MAT 3425 MT= 51 (n, n') Level 34-Se-74
 Cross Section -19.96 To 44.34 %



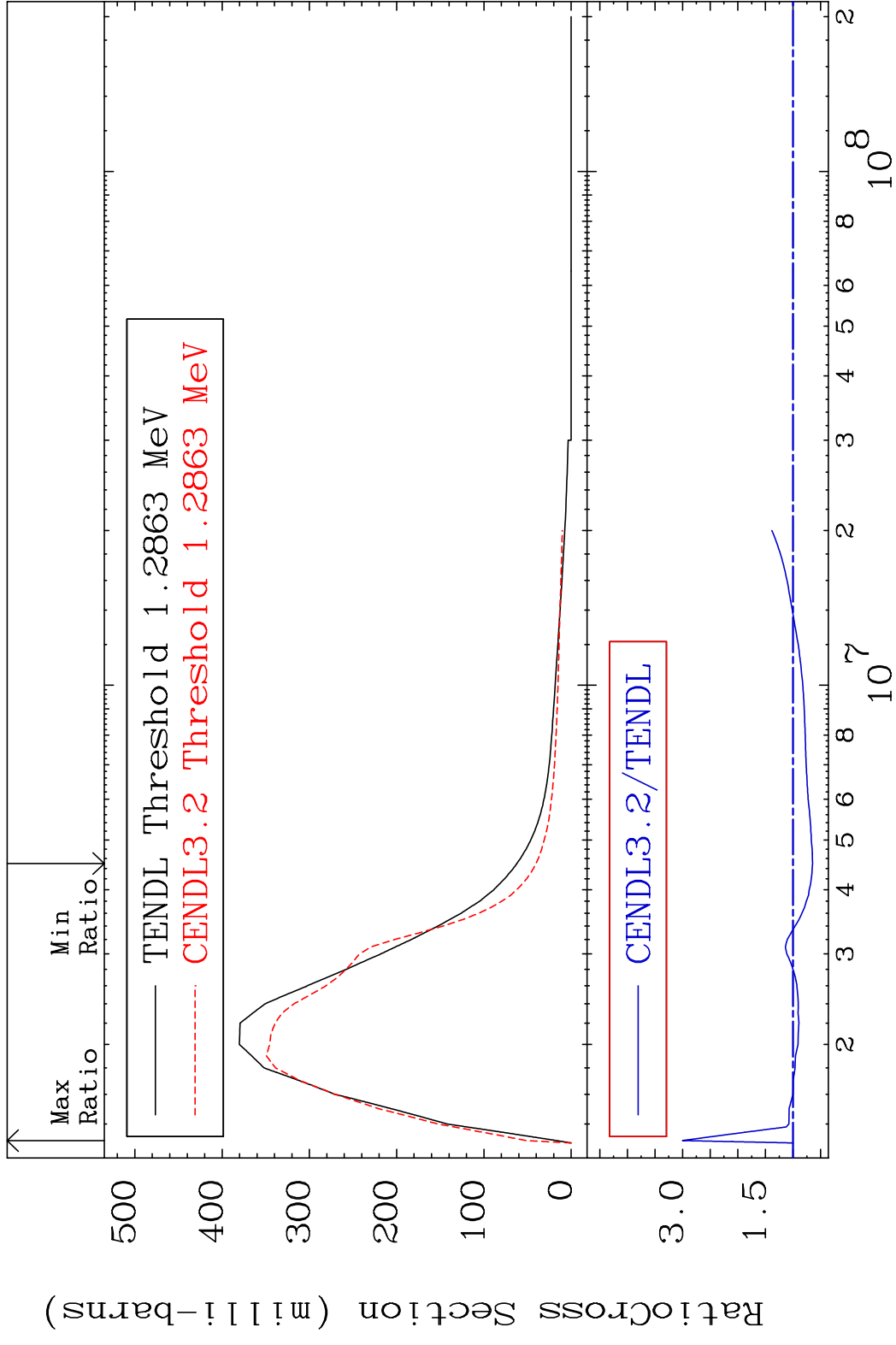
7 Incident Energy (eV) 34-Se-74

MAT 3425 MT= 52 (n,n') Level 34-Se-74
 Cross Section -100.0 To 80.20 %

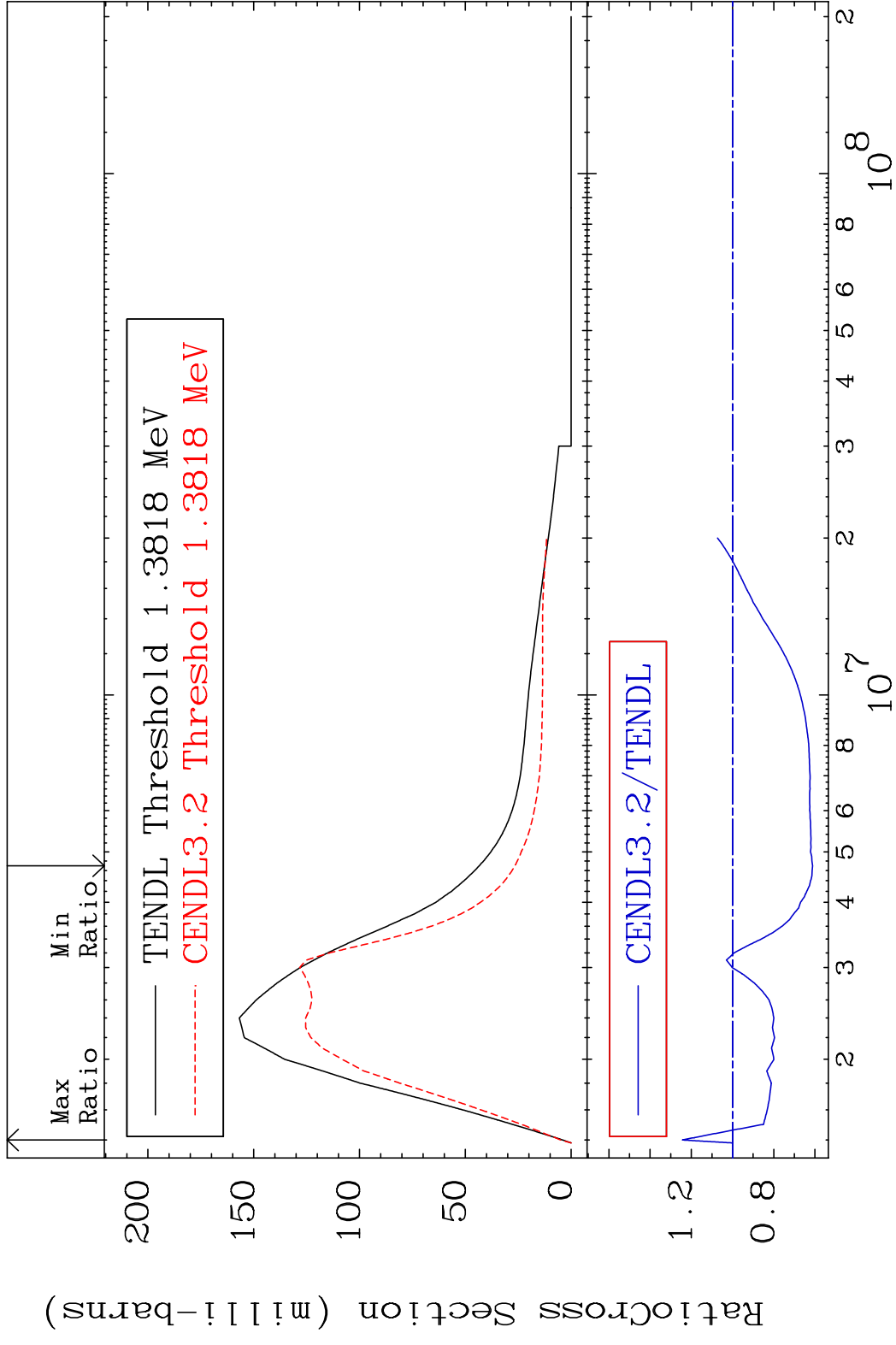


8 Incident Energy (eV) 34-Se-74

MAT 3425 MT= 53 (n,n') Level 34-Se-74
 Cross Section -35.38 To 200.4 %



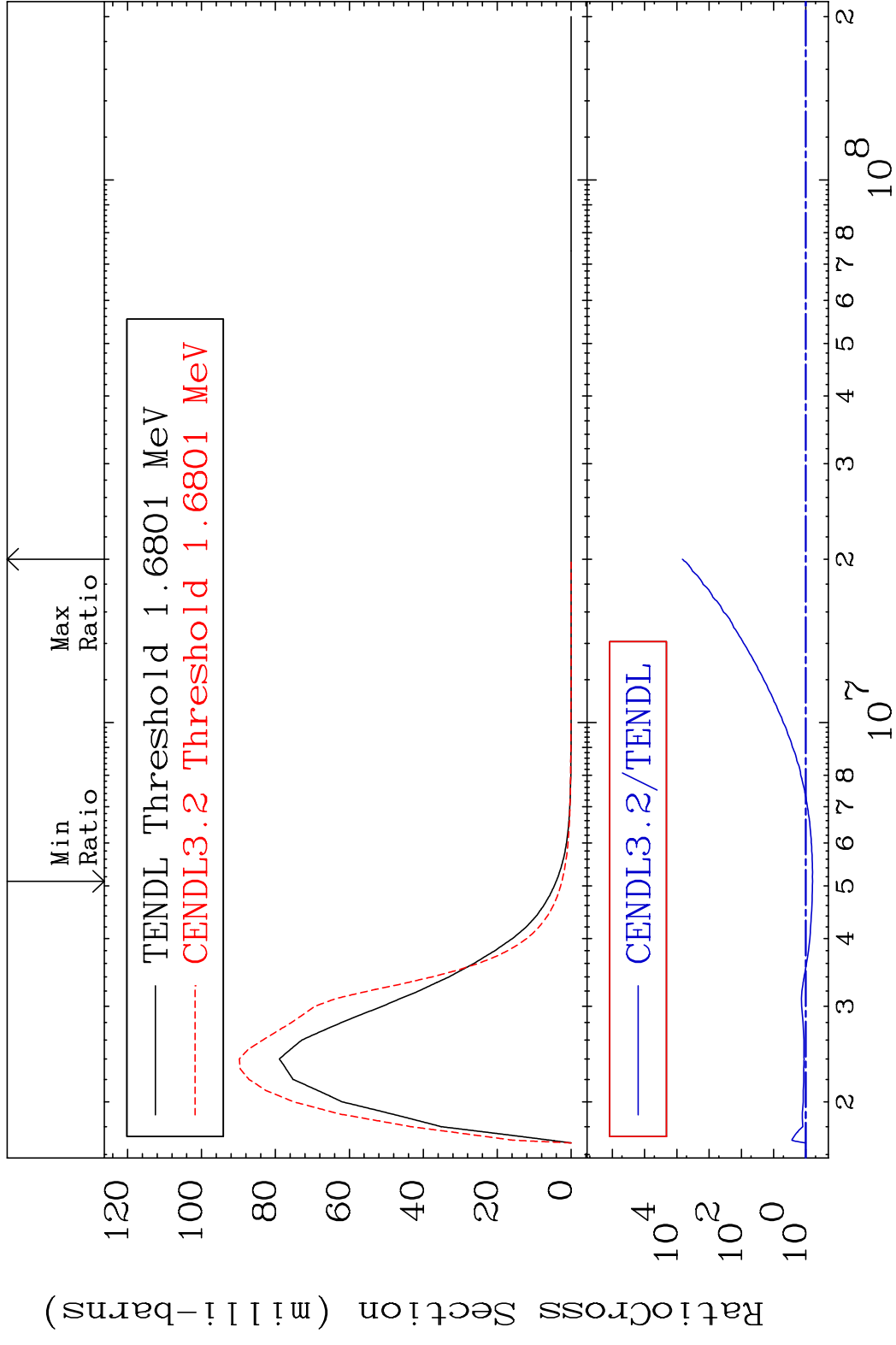
MAT 3425 MT= 54 (n, n') Level 34-Se-74
 Cross Section -38.82 To 24.35 %



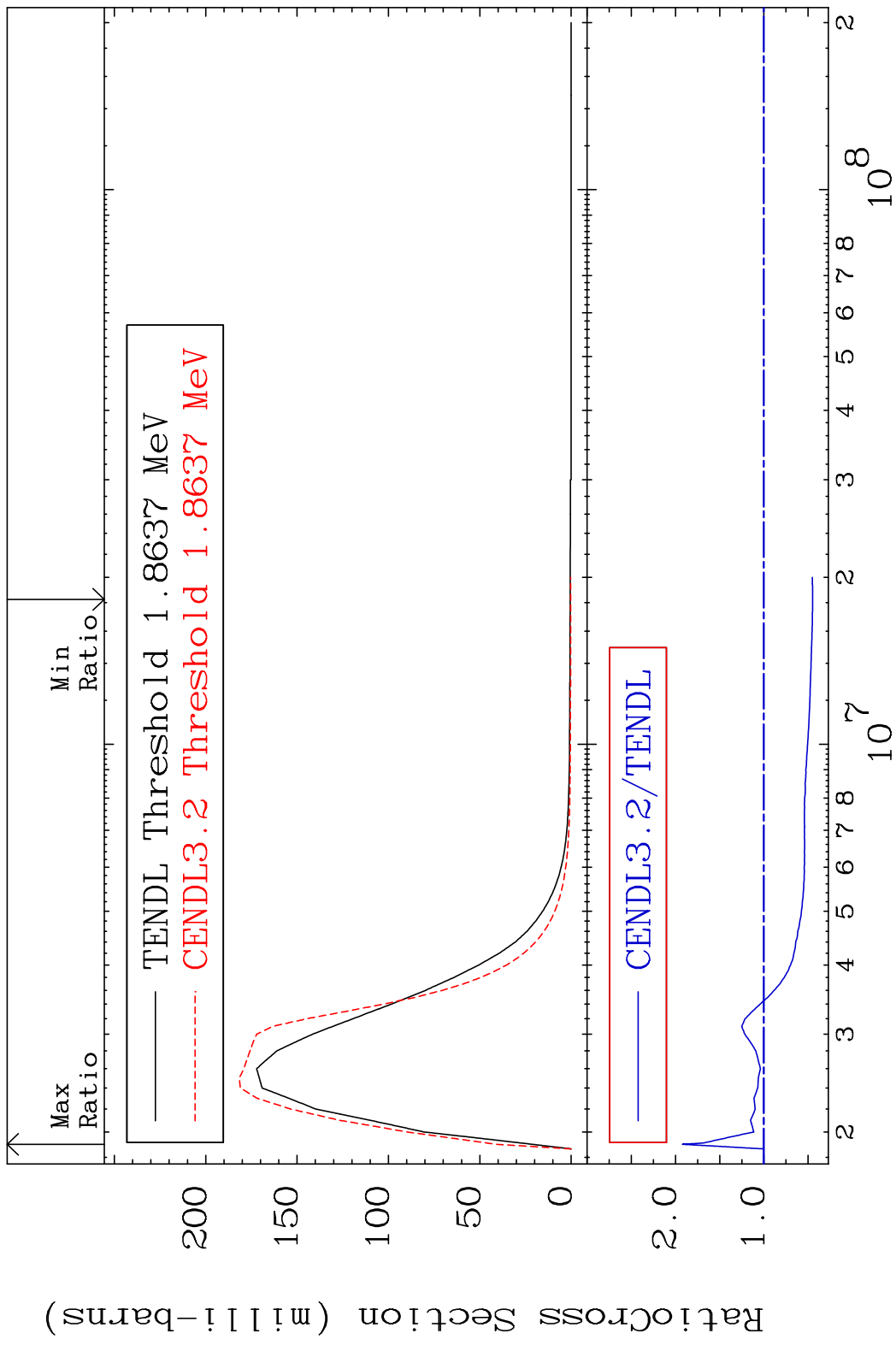
10

Incident Energy (eV) 34-Se-74

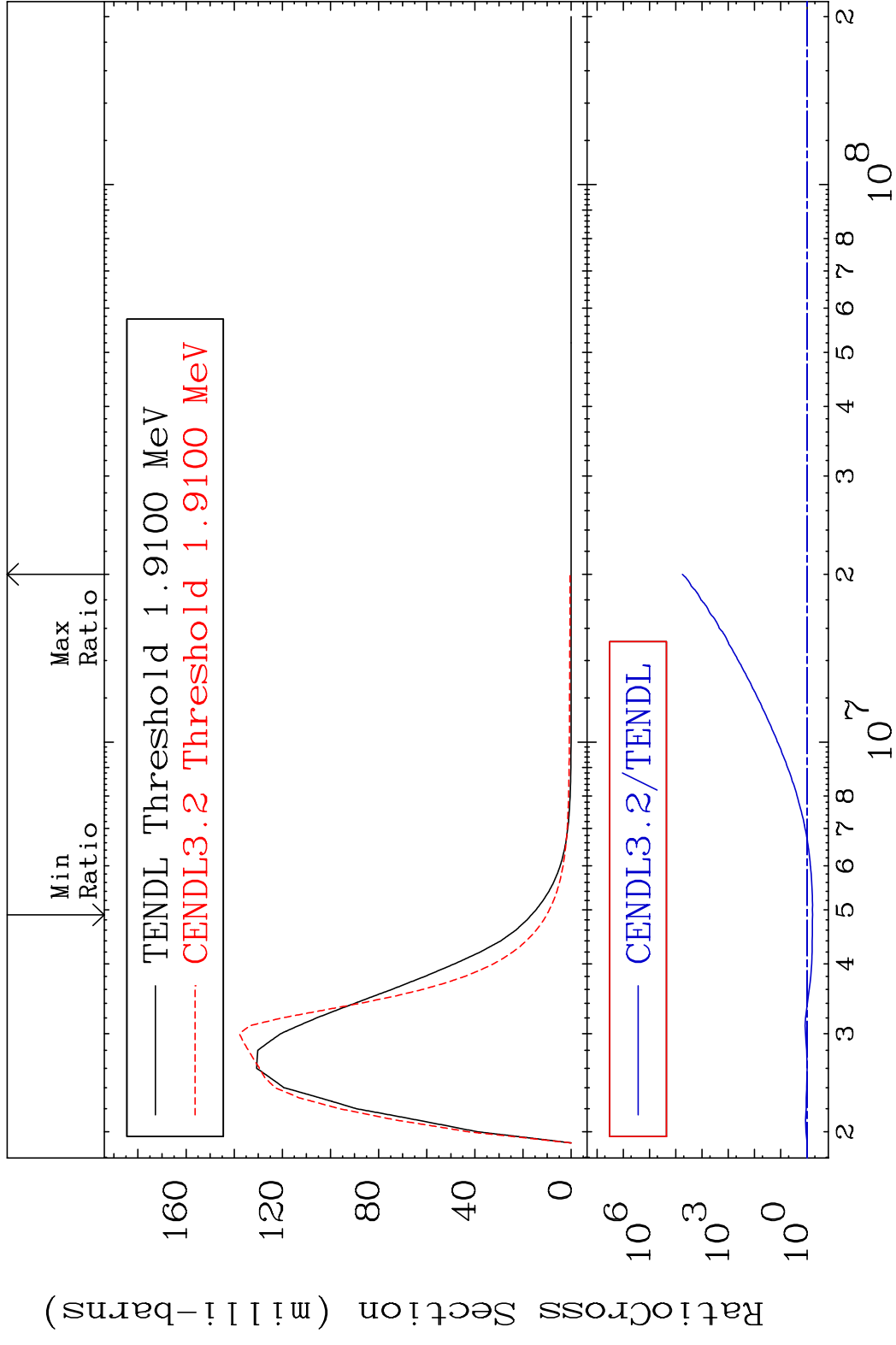
MAT 3425 MT= 55 (n, n') Level 34-Se-74
 Cross Section -37.99 To 9999. %



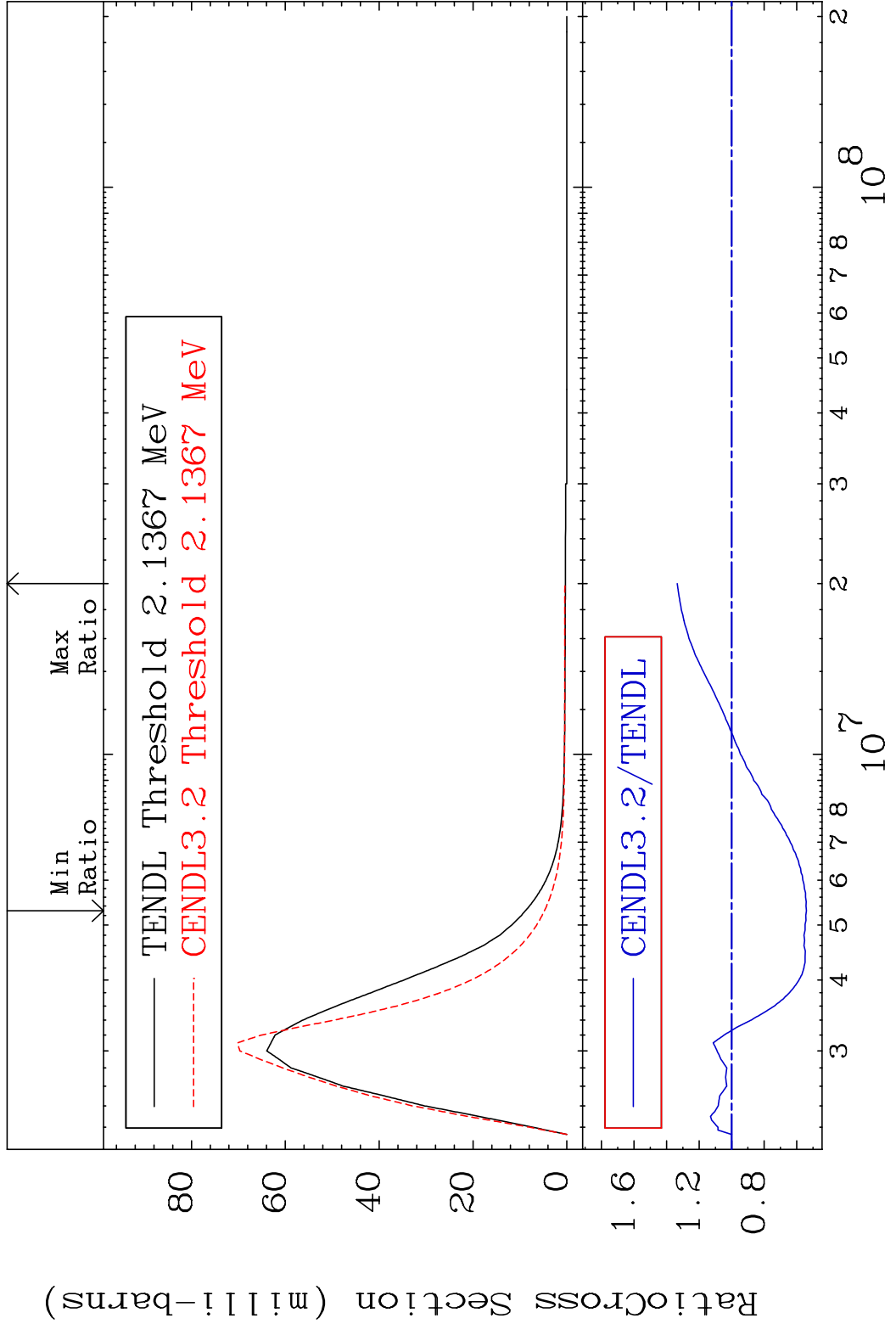
MAT 3425 MT= 56 (n, n') Level 34-Se-74
 Cross Section -55.06 To 92.28 %



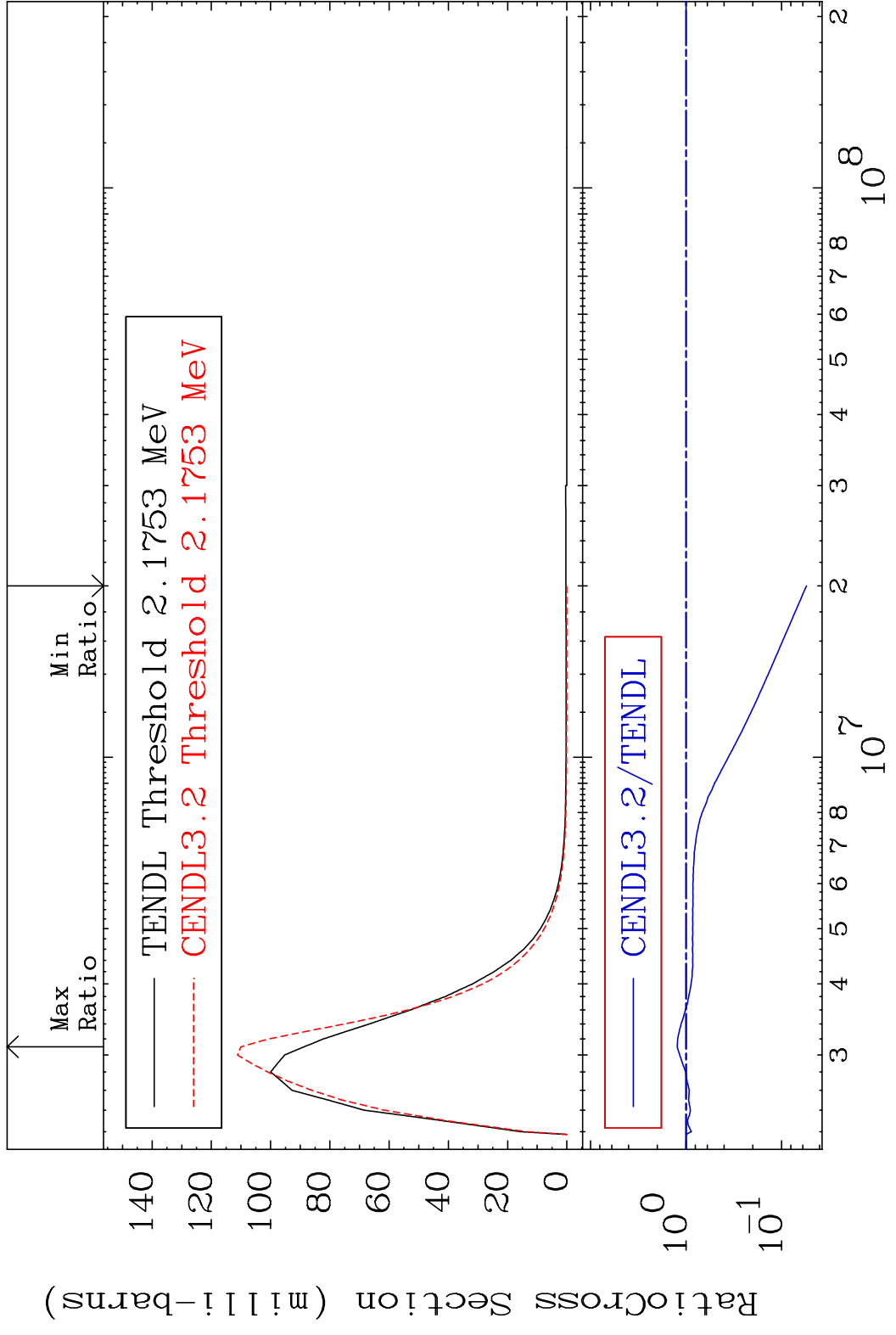
MAT 3425 MT= 57 (n, n') Level 34-Se-74
 Cross Section -38.32 To 9999. %



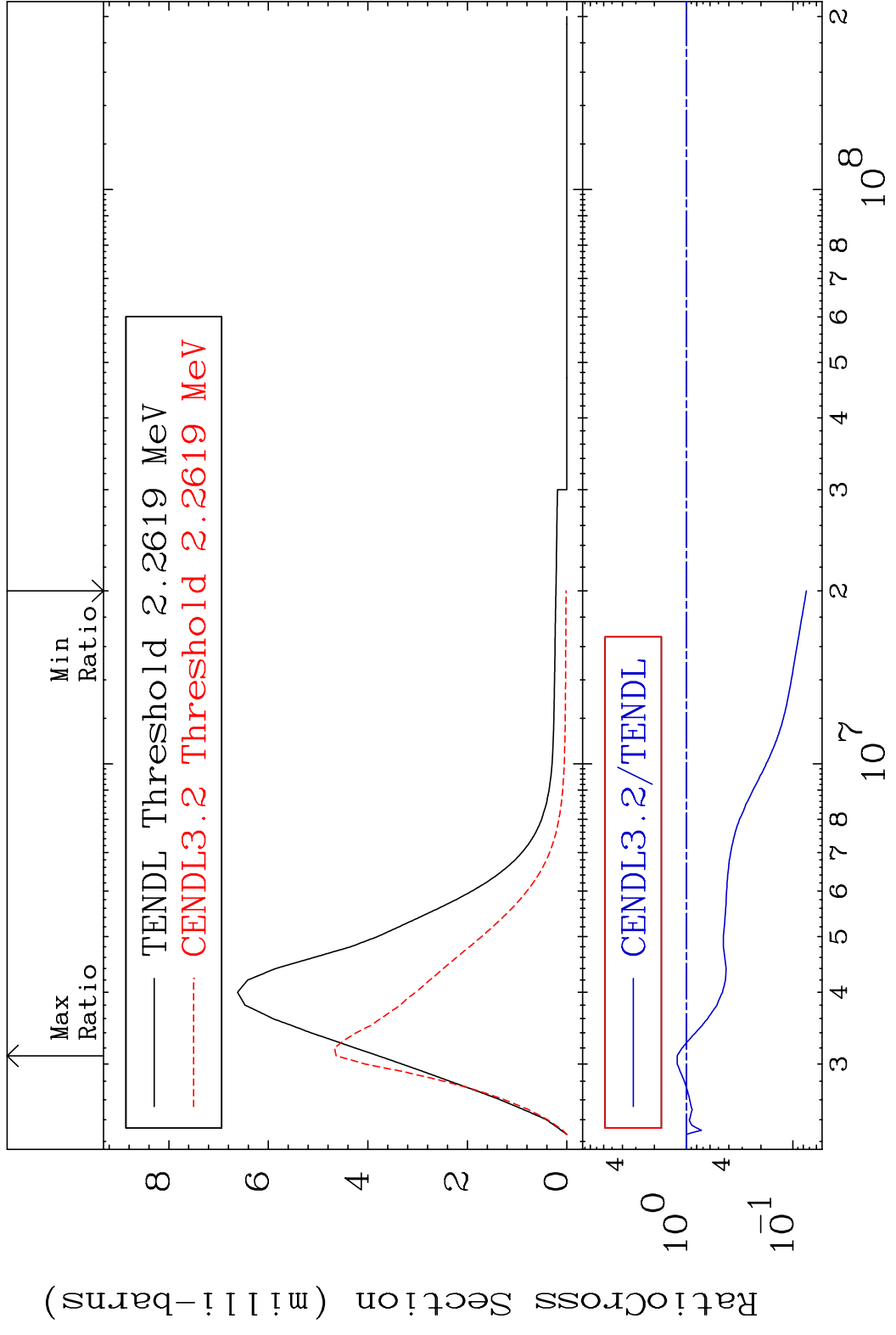
MAT 3425 MT= 58 (n, n') Level 34-Se-74
 Cross Section -45.92 To 33.47 %



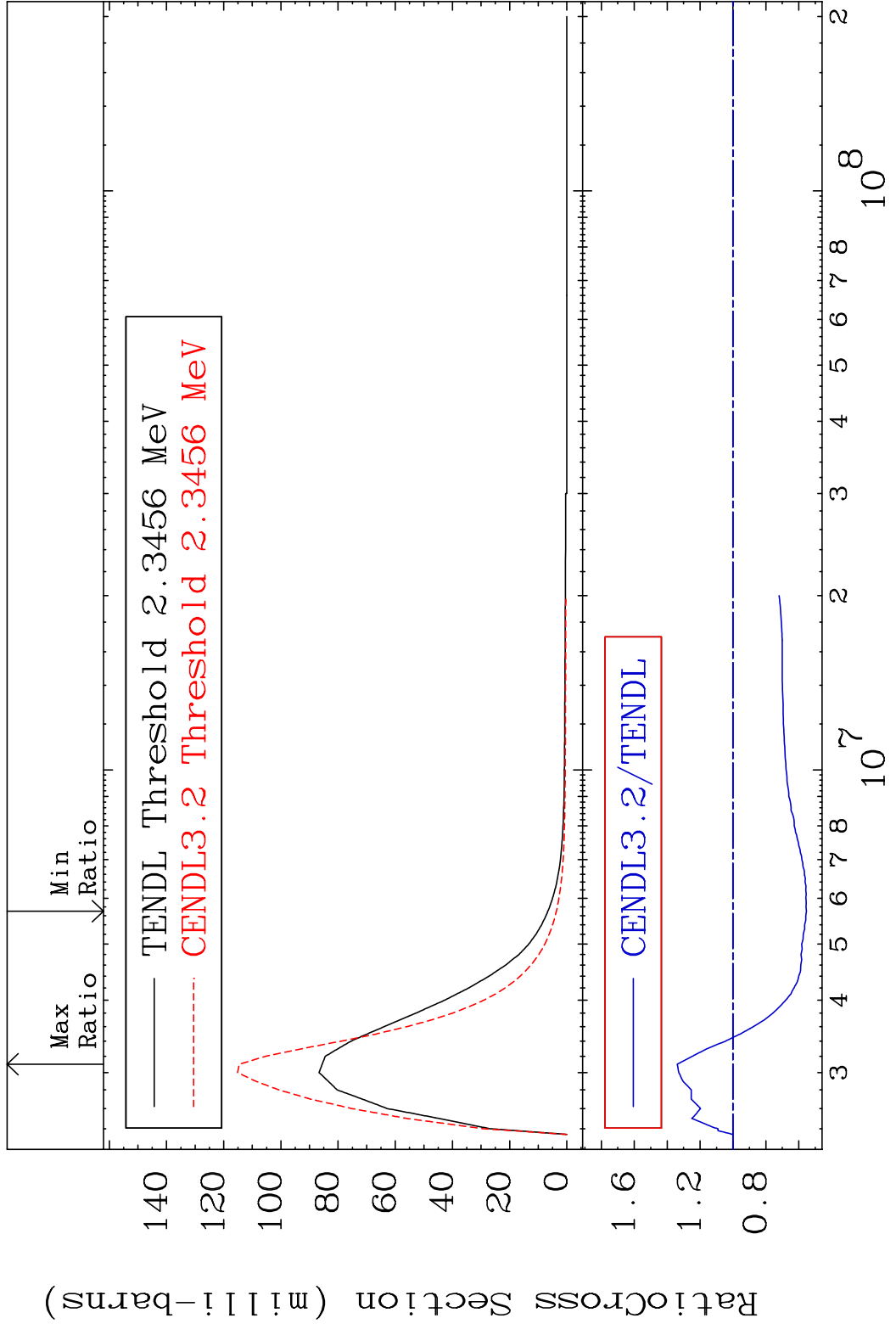
MAT 3425 MT= 59 (n, n') Level 34-Se-74
 Cross Section -94.50 To 24.01 %



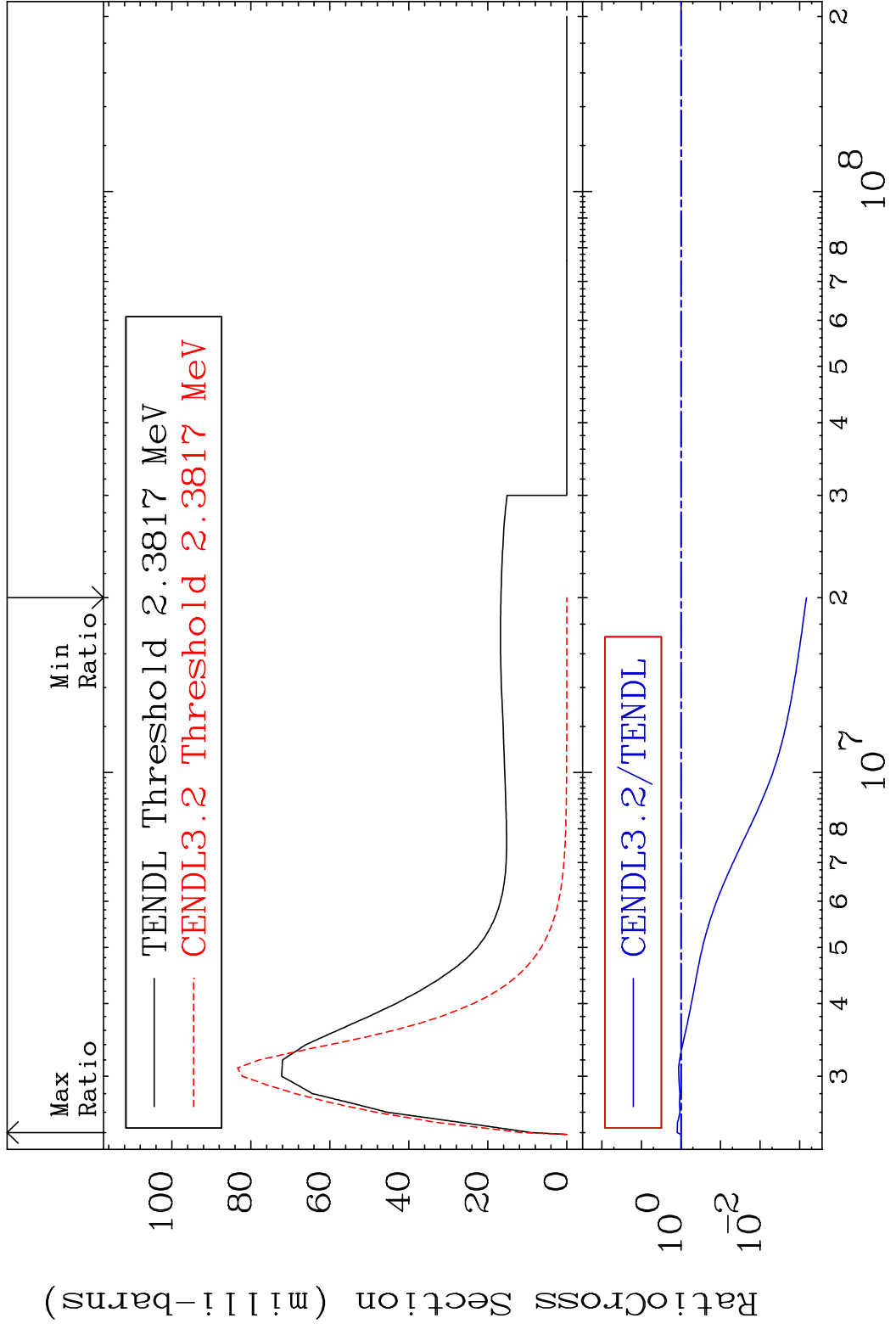
MAT 3425 MT= 60 (n, n') Level 34-Se-74
 Cross Section -92.53 To 22.27 %



MAT 3425 MT= 61 (n,n') Level 34-Se-74
 Cross Section -44.66 To 33.90 %

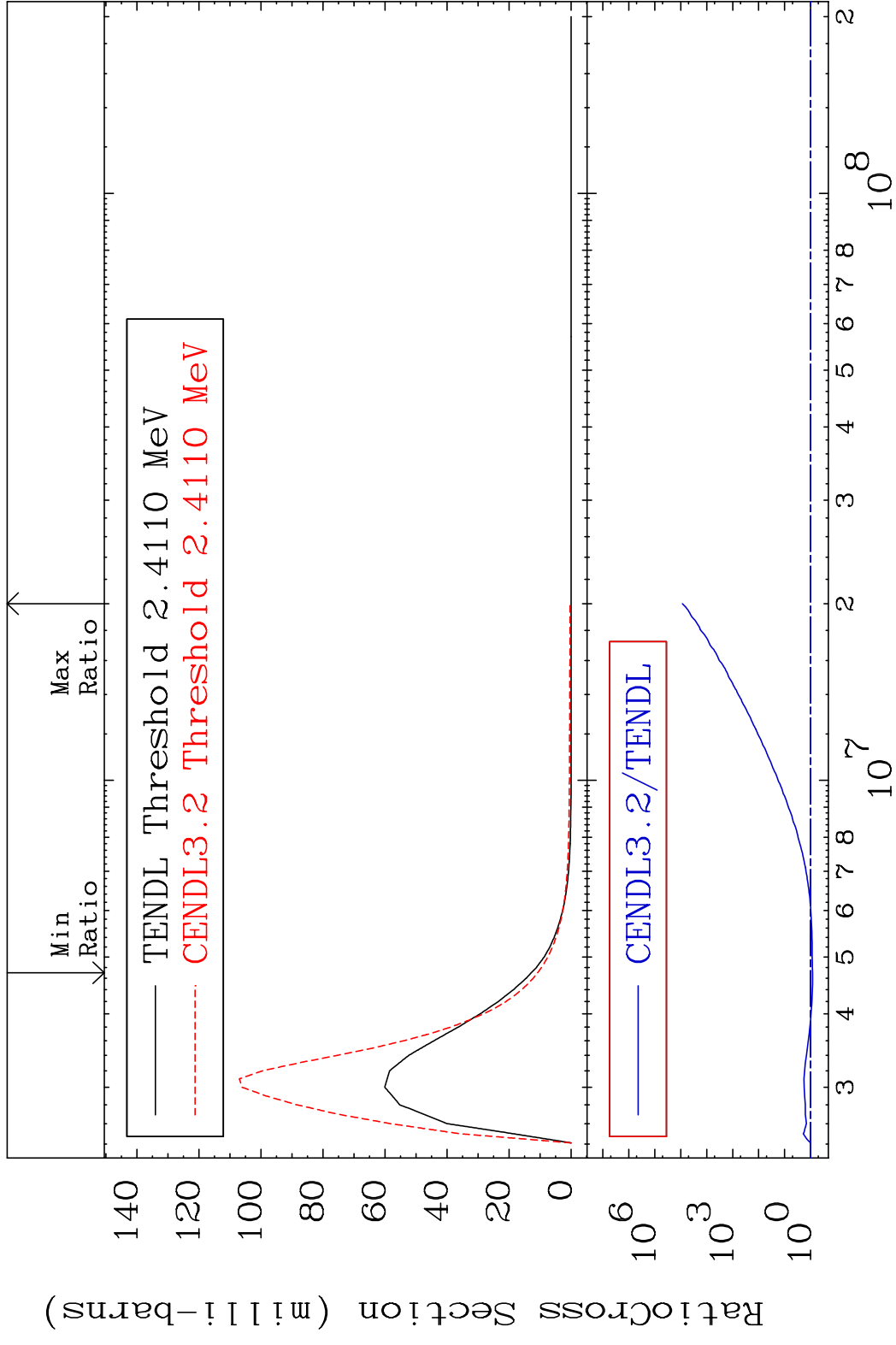


MAT 3425 MT= 62 (n, n') Level 34-Se-74
 Cross Section -99.93 To 24.88 %



18 Incident Energy (eV) 34-Se-74

MAT 3425 MT= 63 (n, n') Level 34-Se-74
 Cross Section -15.90 To 9999. %

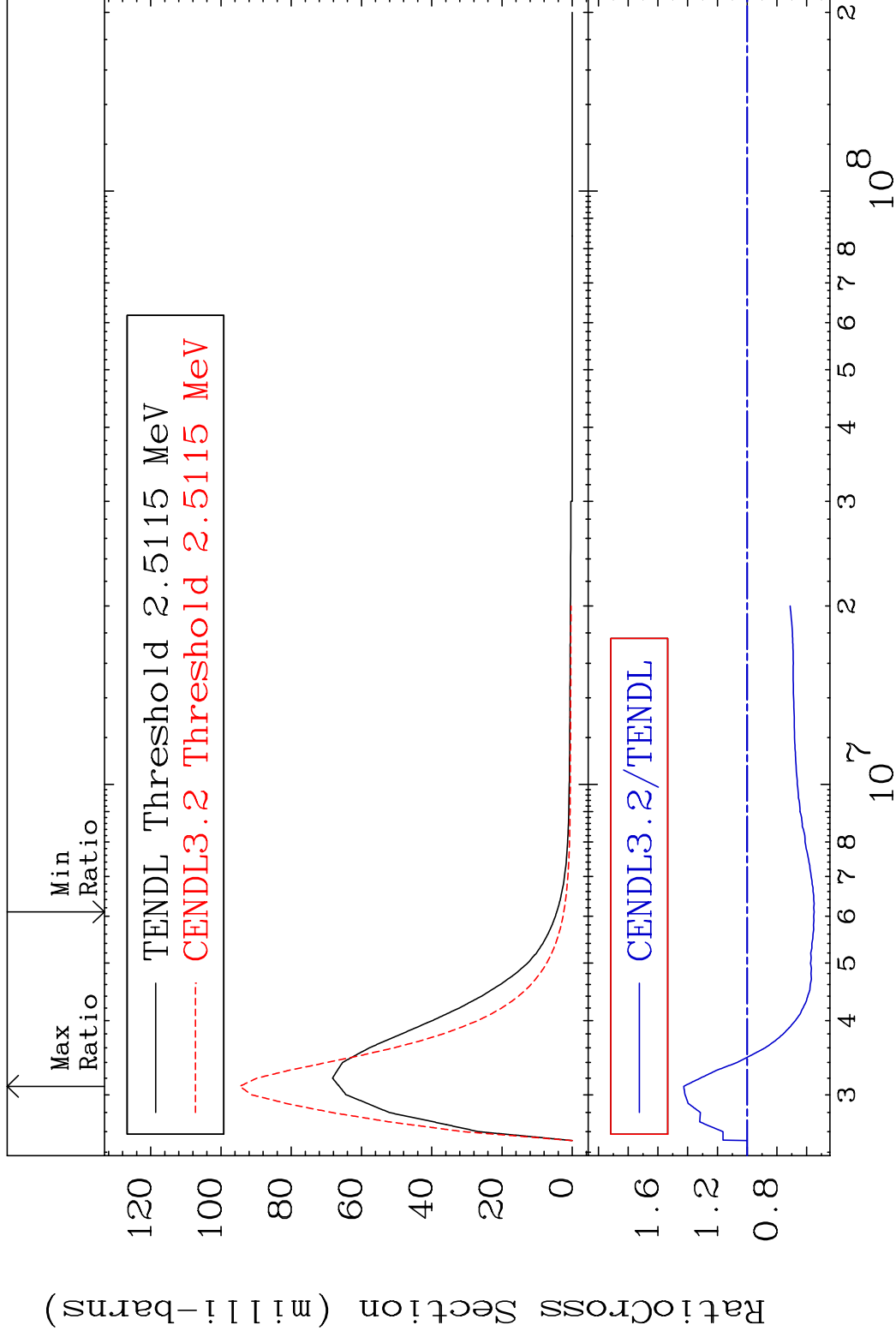


MAT 3425

MT= 64 (n,n') Level

34-Se-74

Cross Section -45.03 To 42.70 %

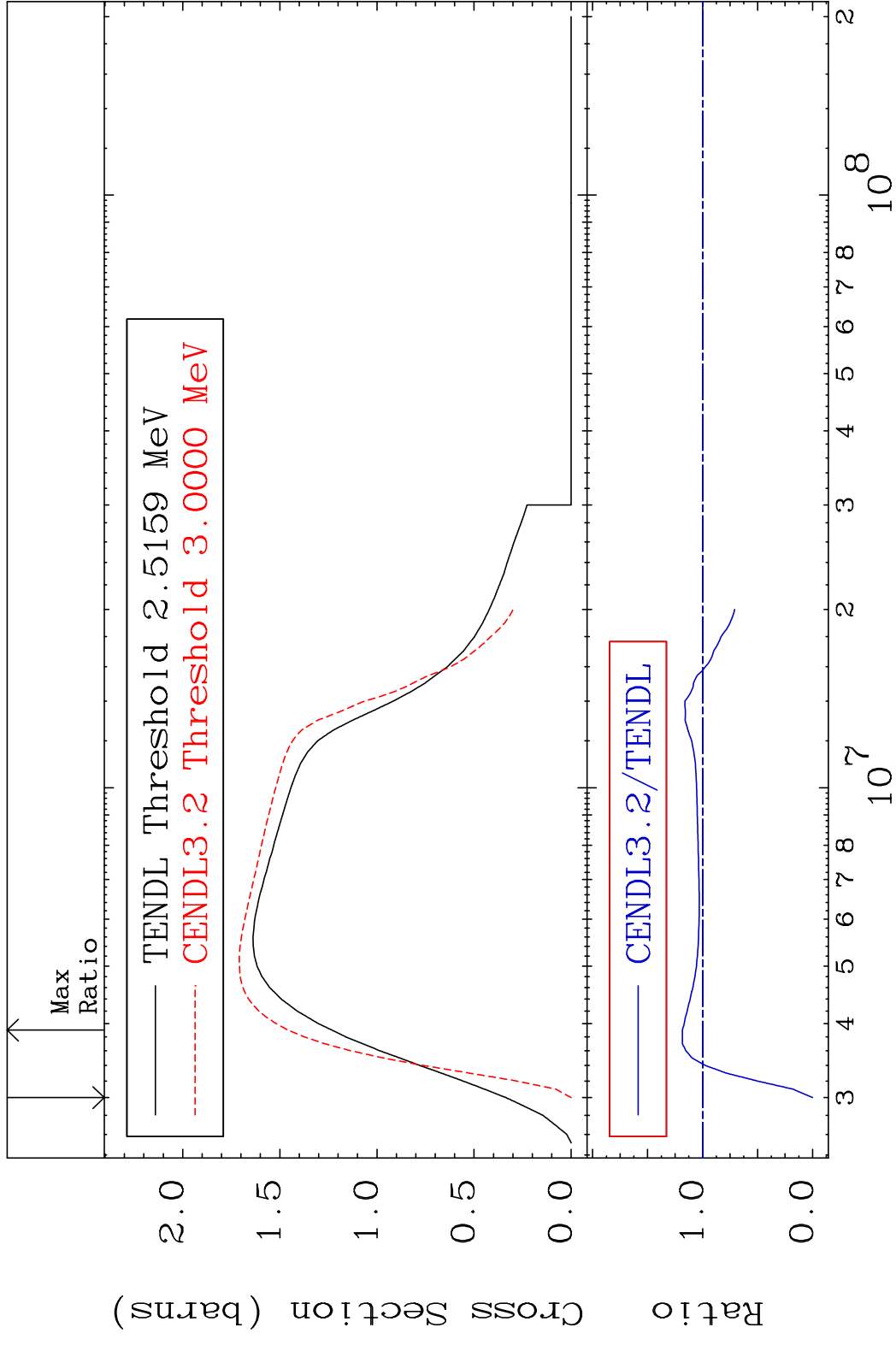


20

Incident Energy (eV)

34-Se-74

MAT 3425 (n,n') Continuum 34-Se-74
 Cross Section -100.0 To 18.40 %

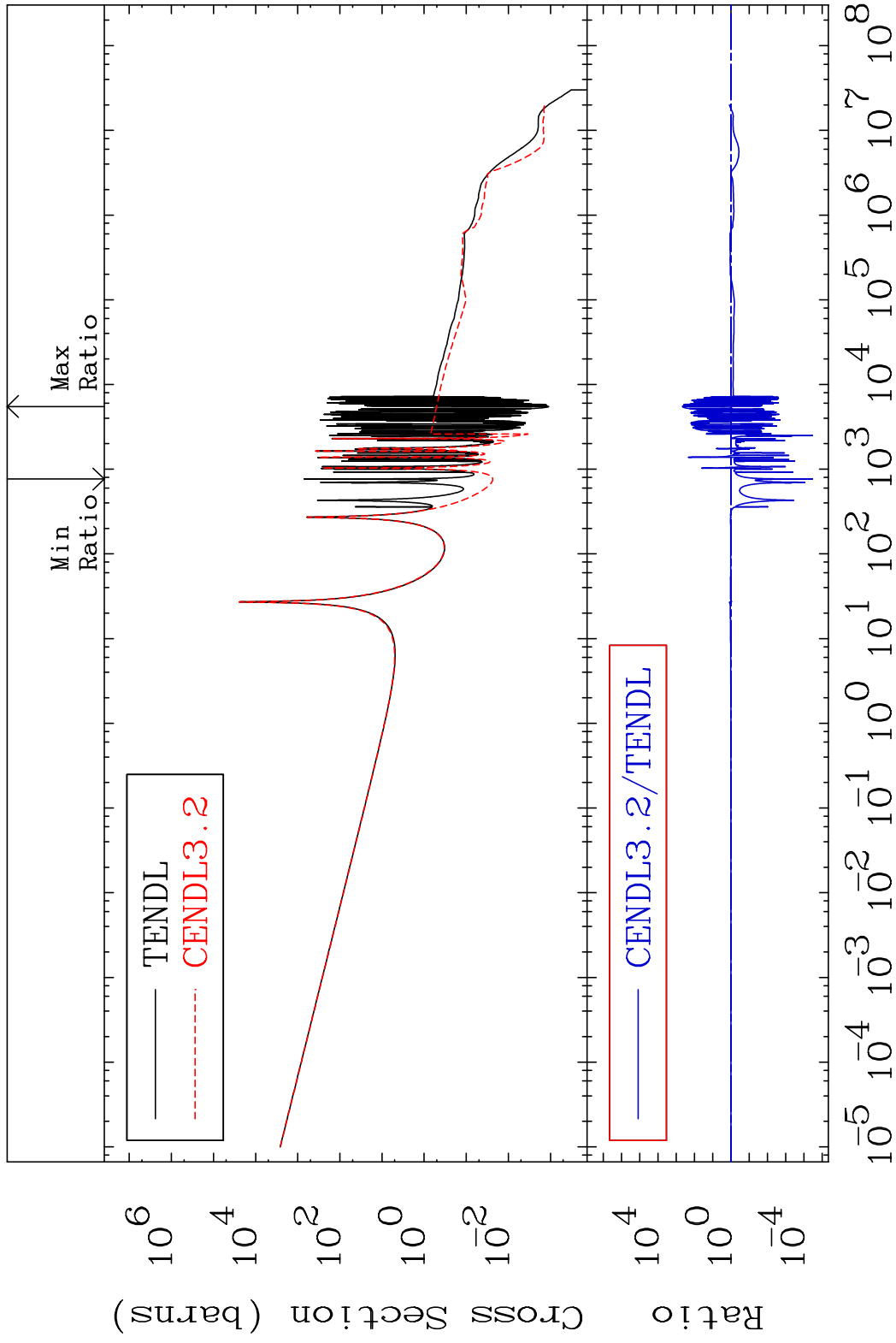


MAT 3425

(n, γ)

34-Se-74

Cross Section -100.0 To 9999. %

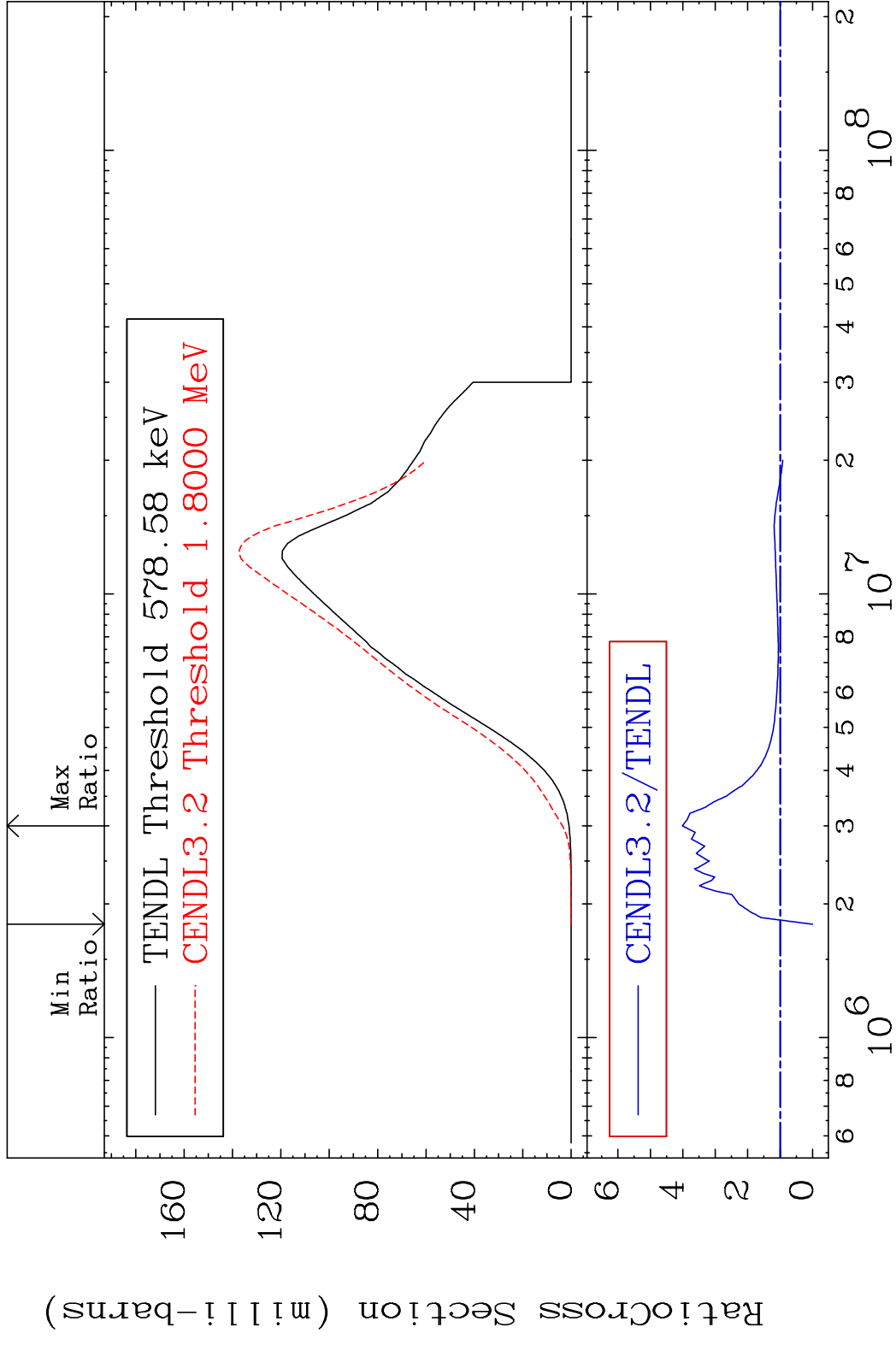


22

Incident Energy (eV)

34-Se-74

MAT 3425 (n,p) 34-Se-74
 Cross Section -100.0 To 301.4 %

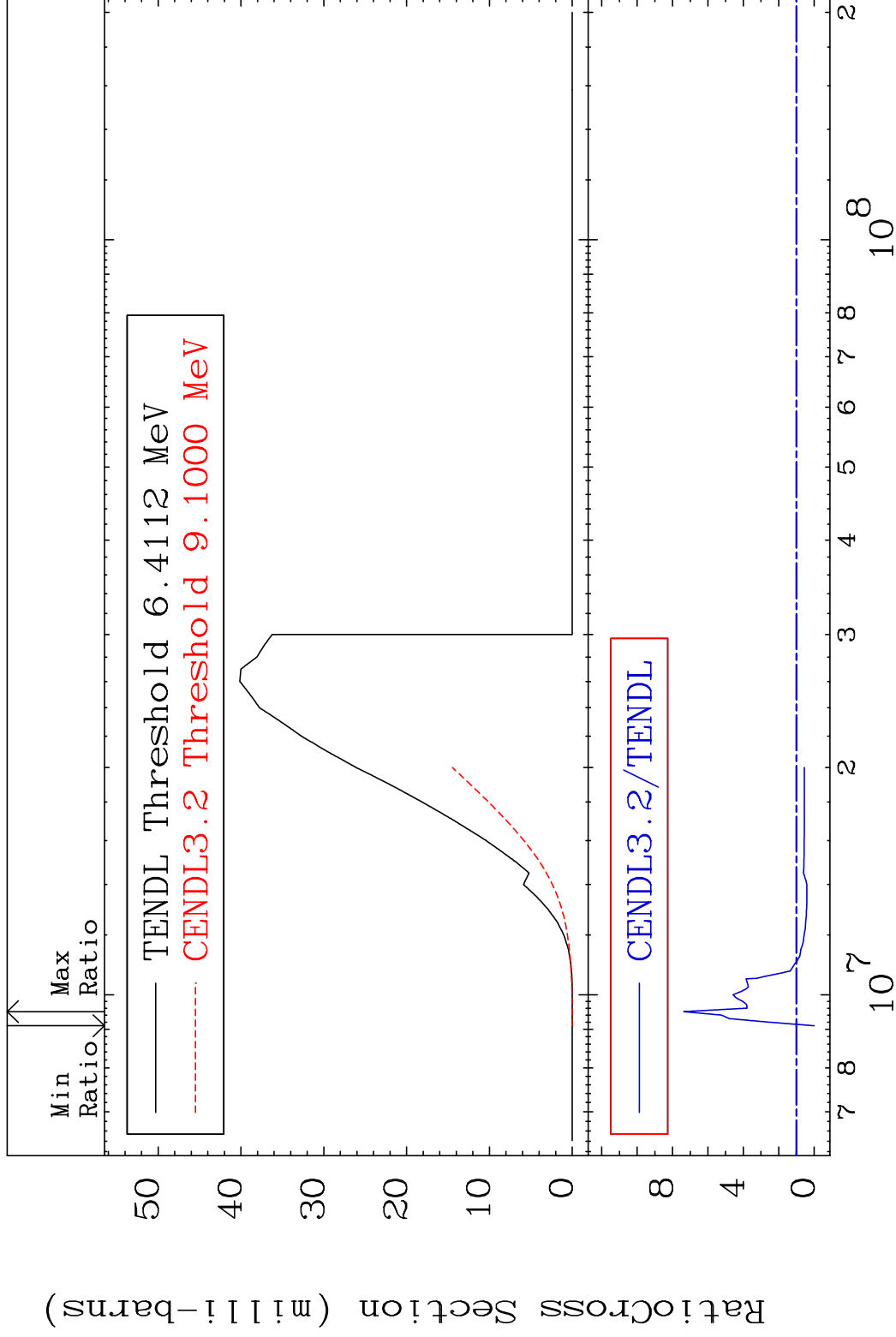


MAT 3425

(n,d)

³⁴Se-74

Cross Section -100.0 To 637.0 %



24

Incident Energy (eV)

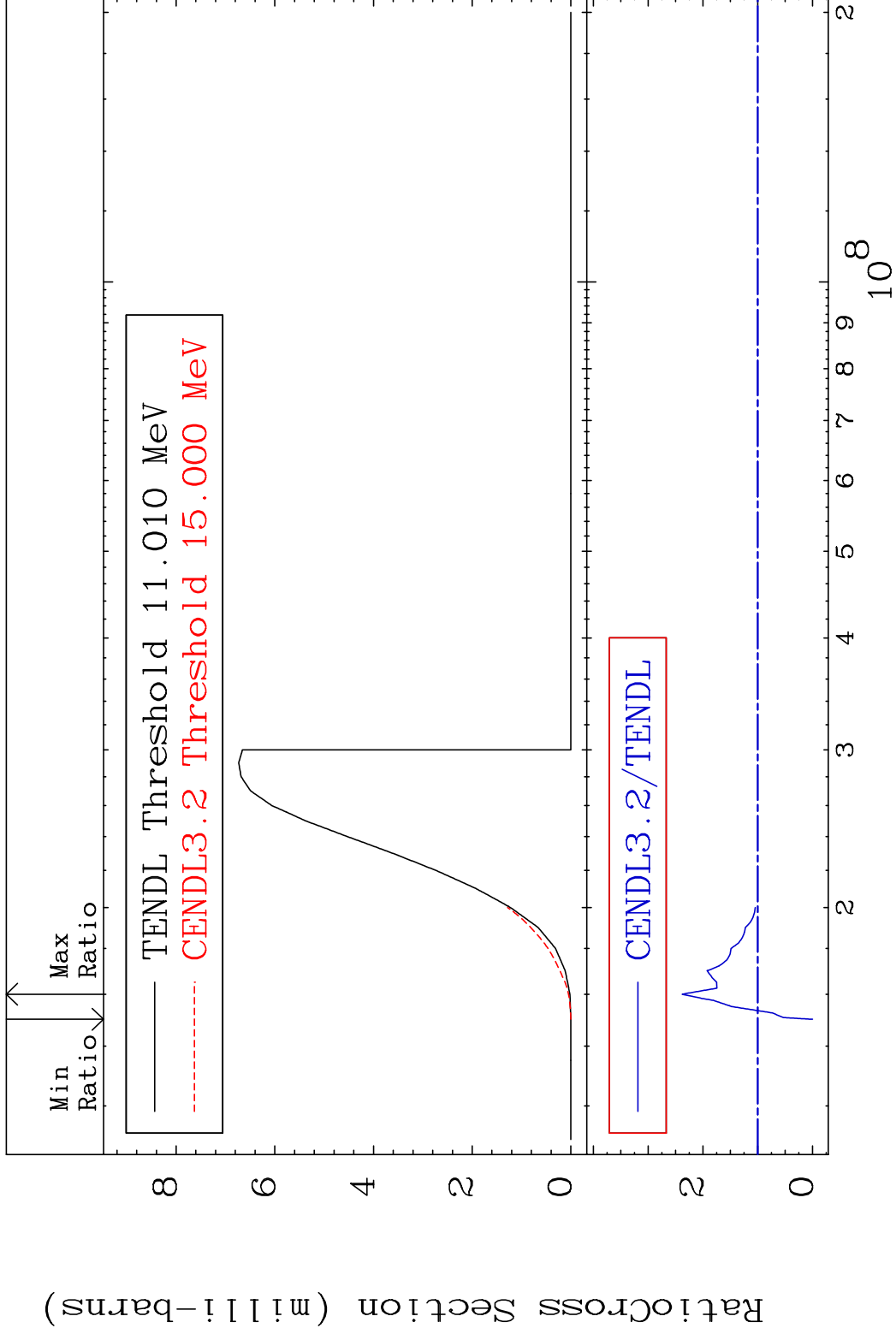
³⁴Se-74

MAT 3425

(n, t)

34-Se-74

Cross Section -100.0 To 138.0 %



25

Incident Energy (eV)

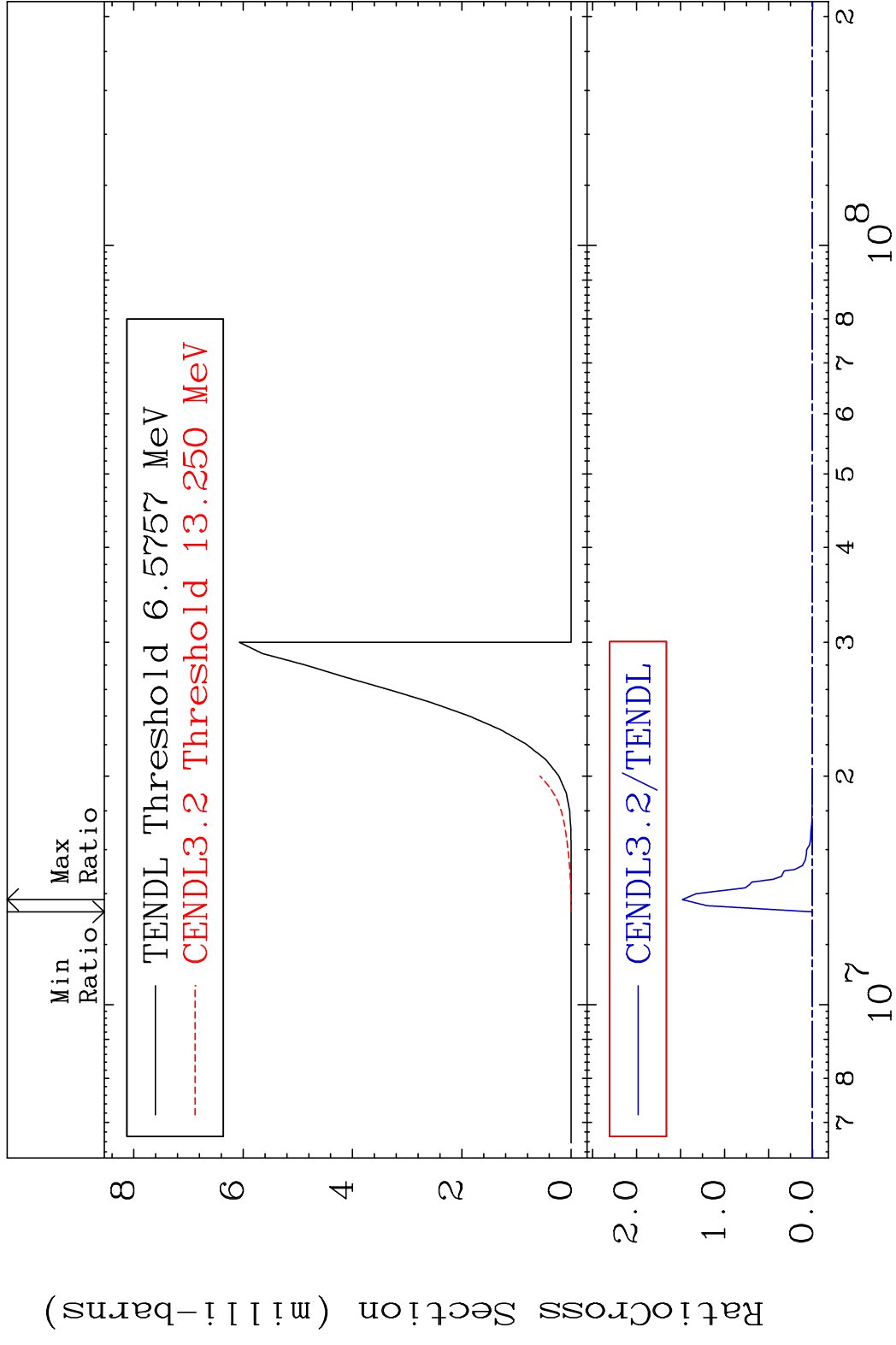
34-Se-74

MAT 3425

(n, He-3)

³⁴Se-74

Cross Section -100.0 To 9999. %

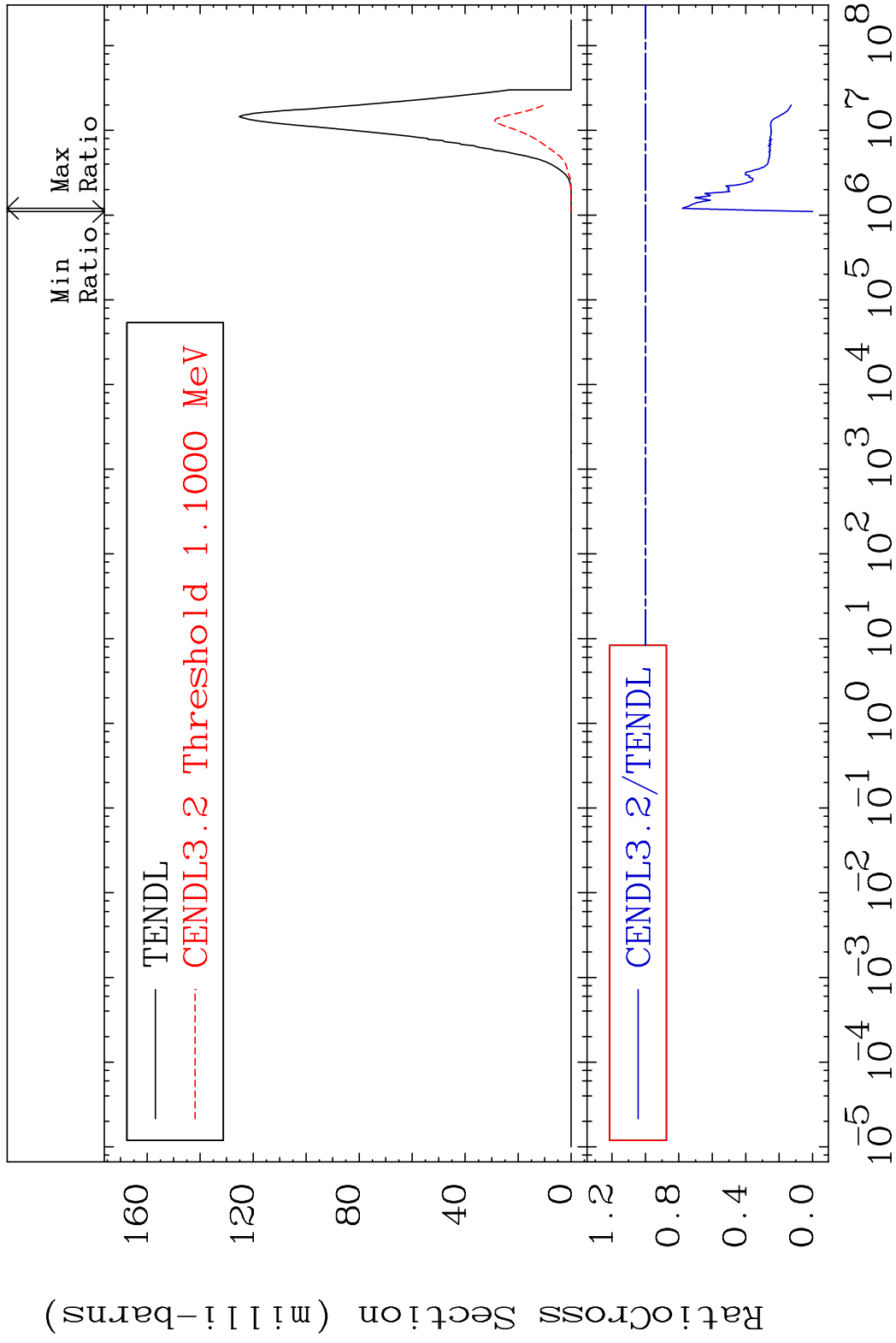


MAT 3425

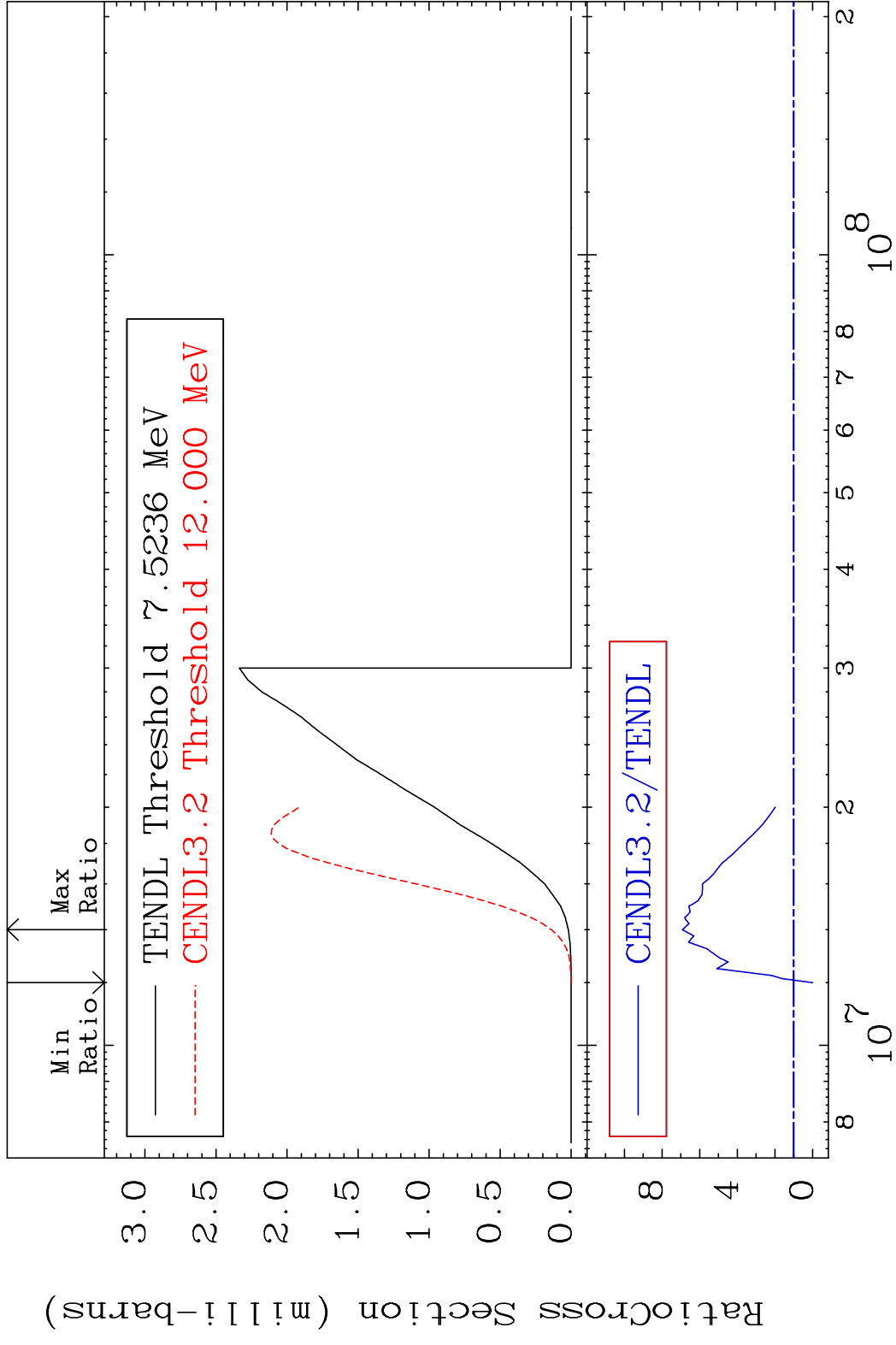
(n, α)

³⁴Se-74

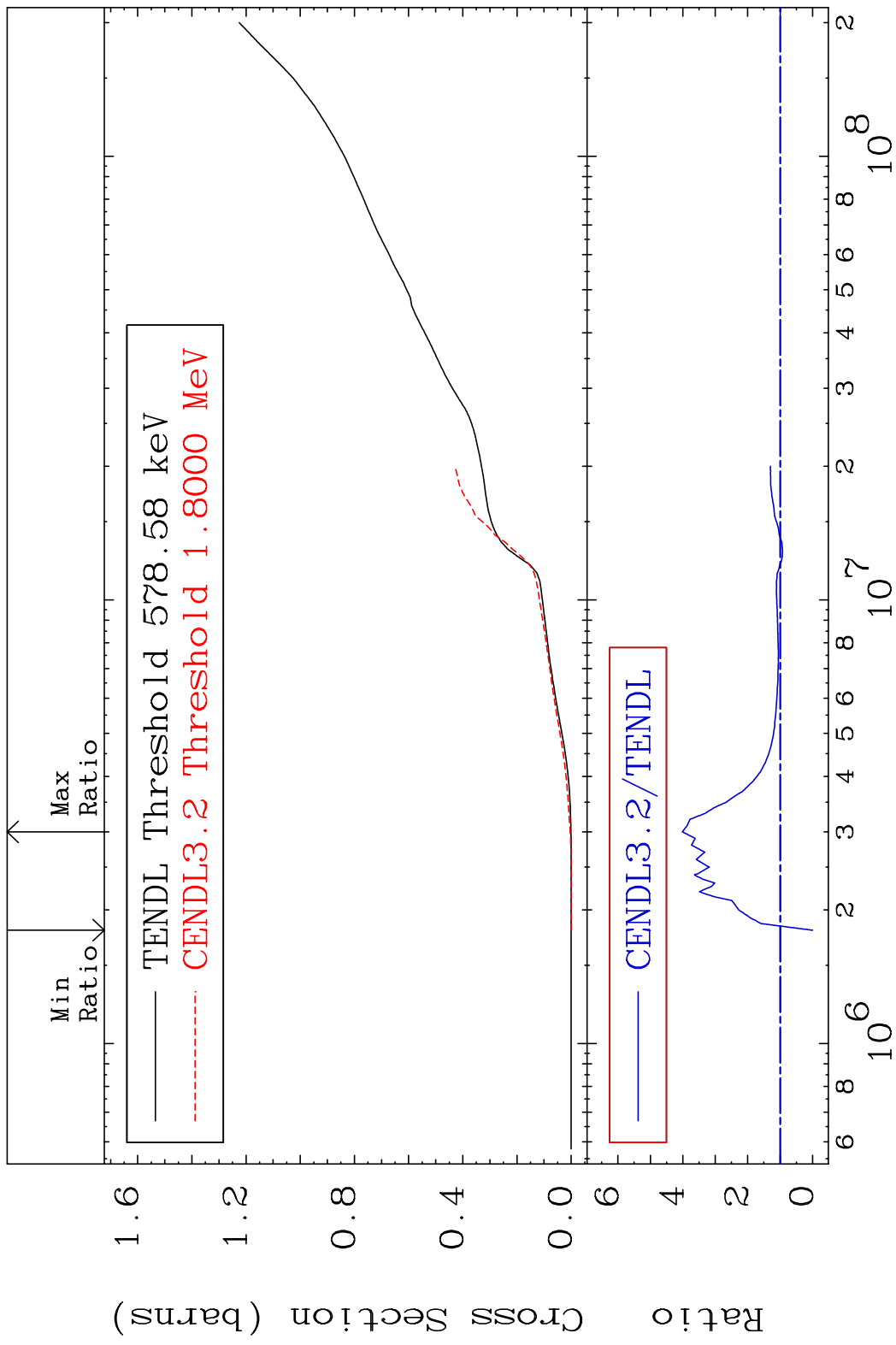
Cross Section -100.0 To -22.12%



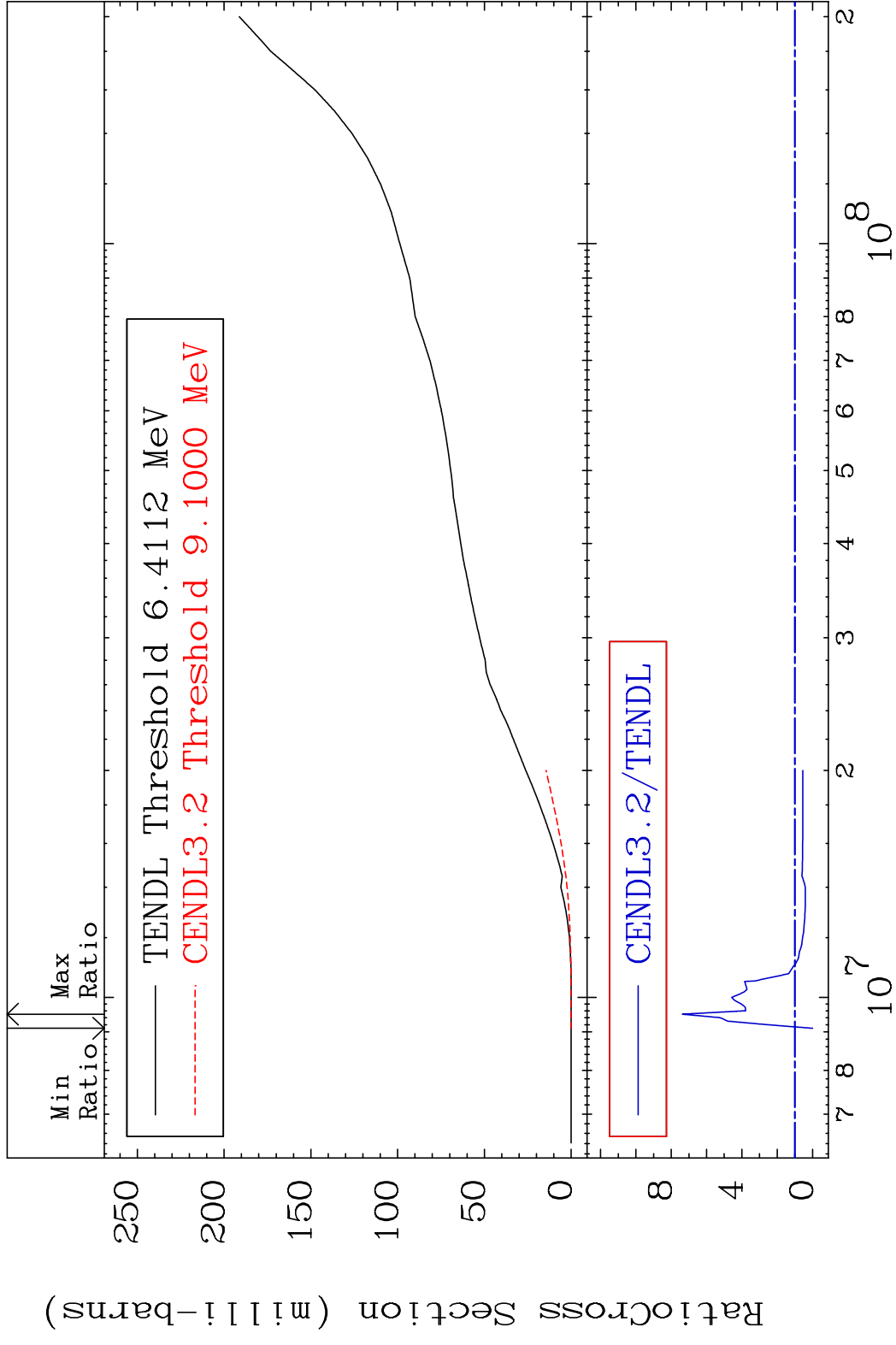
MAT 3425 (n,2p) 34-Se-74
 Cross Section -100.0 To 592.1 %



MAT 3425 Hydrogen Production ³⁴Se-74
 Cross Section -100.0 To 301.4 %

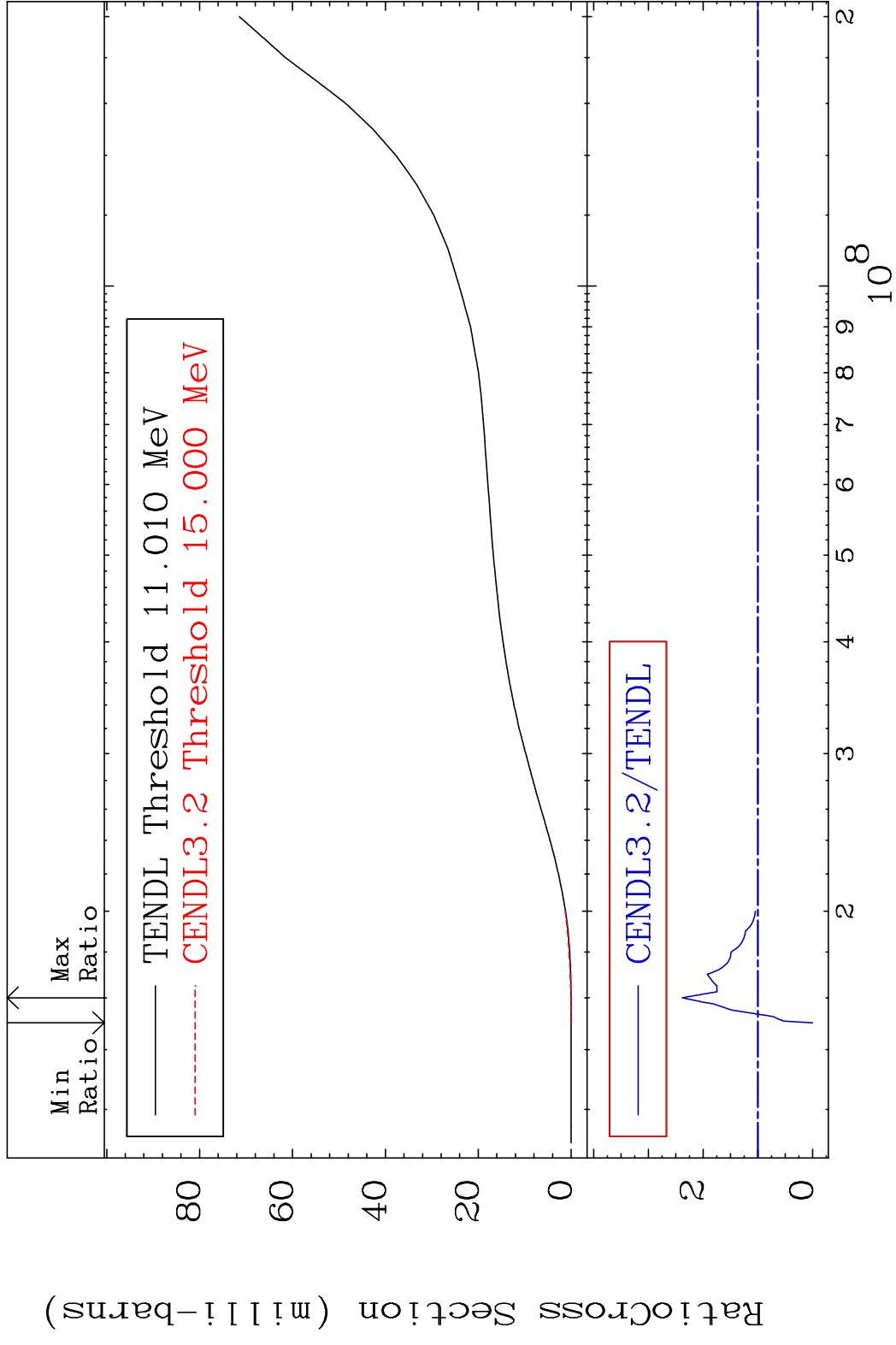


MAT 3425 Deuterium Production 34-Se-74
 Cross Section -100.0 To 637.0 %



30 Incident Energy (eV) 34-Se-74

Cross Section -100.0 To 138.0 %

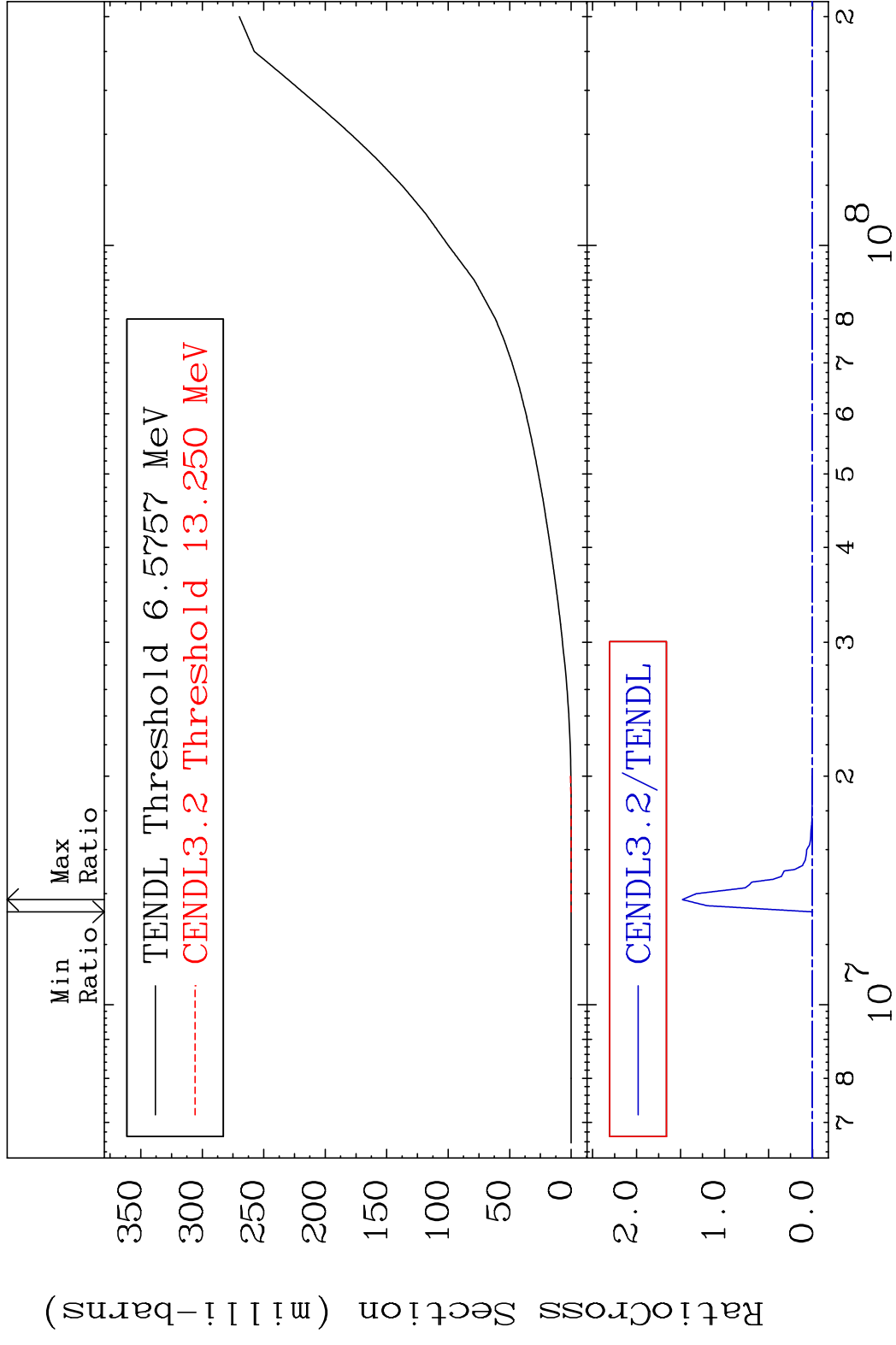


MAT 3425

He-3 Production

34-Se-74

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

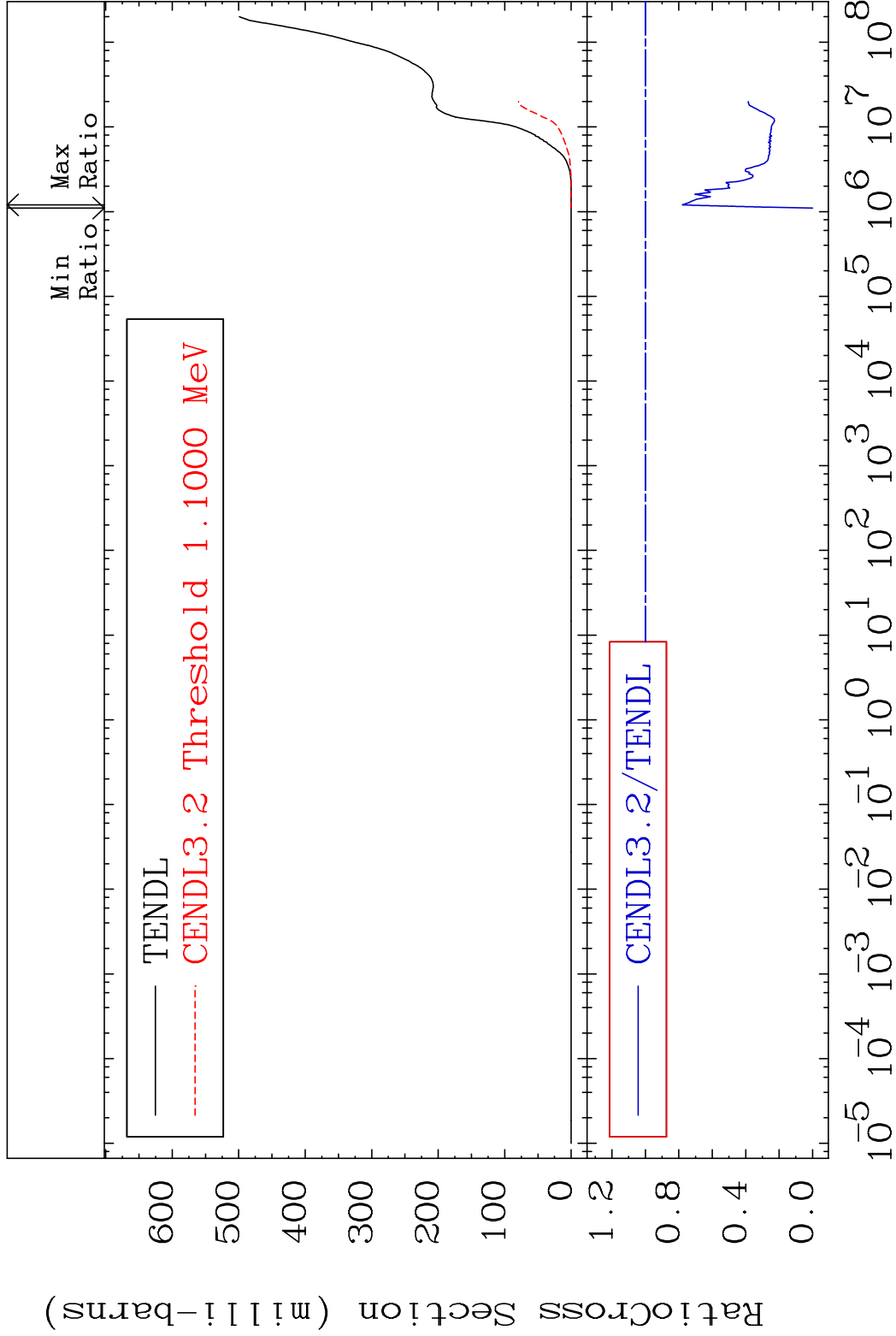
34-Se-74

MAT 3425

He-4 Production

³⁴Se-74

Cross Section -100.0 To -22.12%

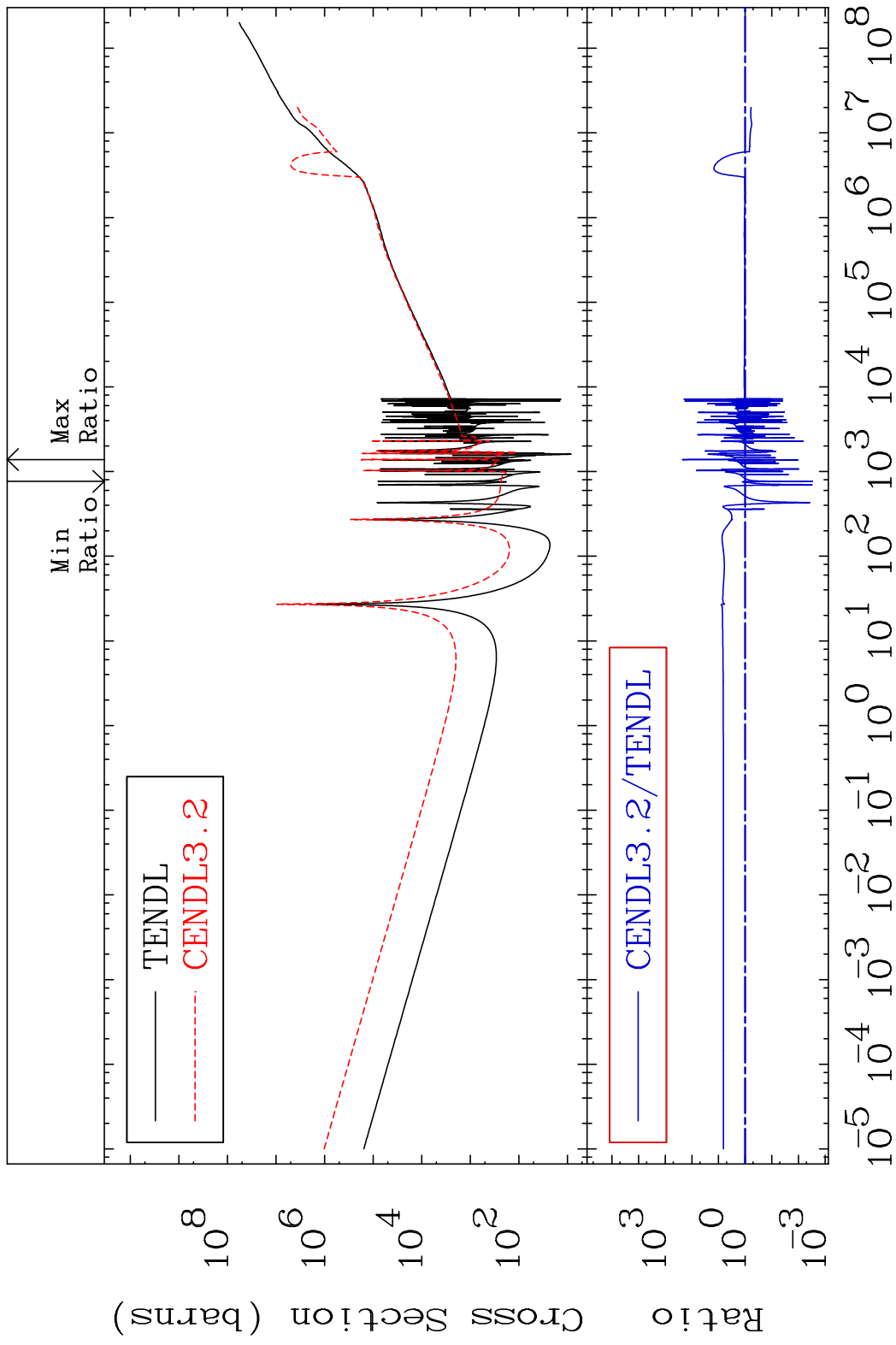


33

Incident Energy (eV)

³⁴Se-74

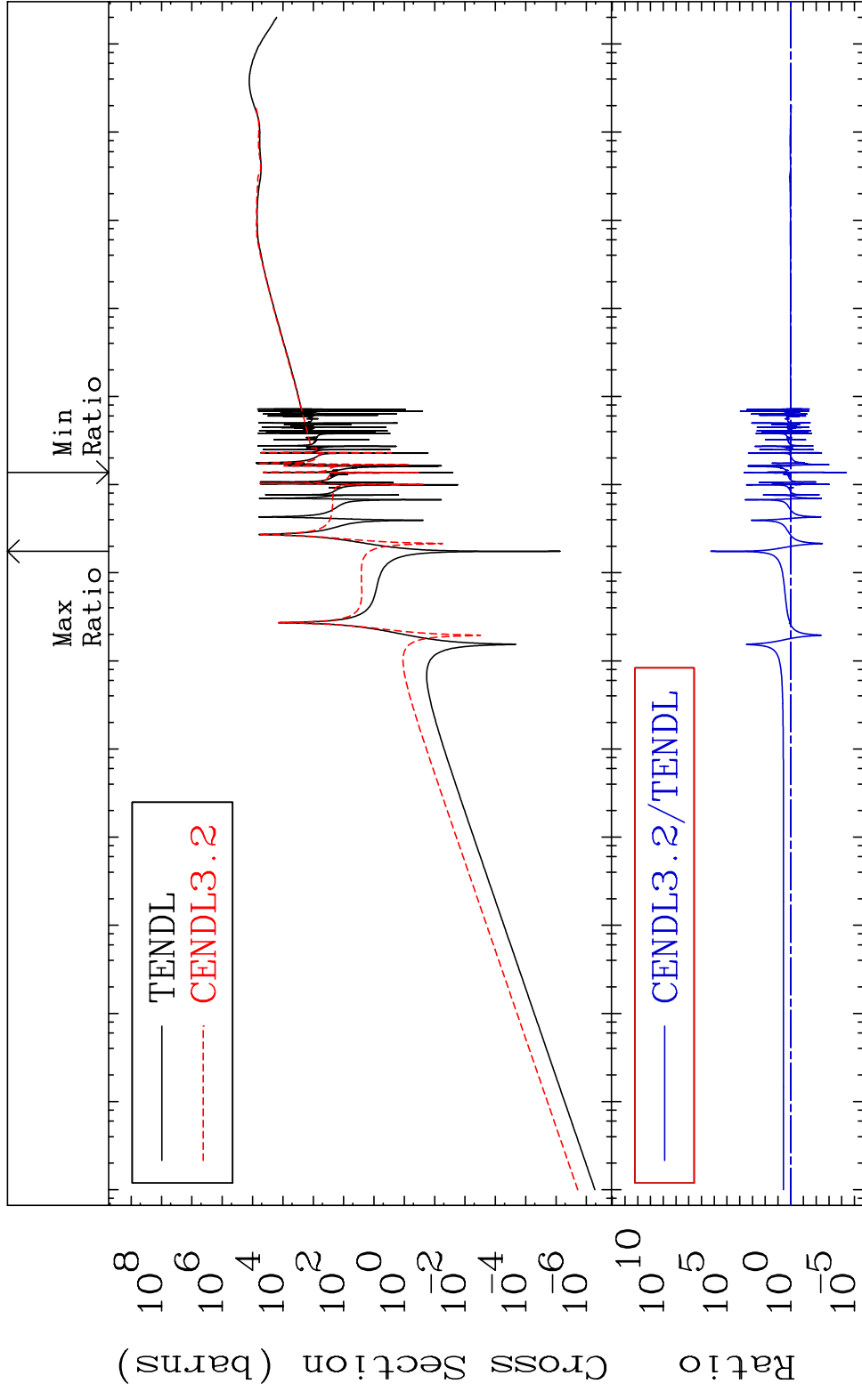
MAT 3425 Kerma total (eV-barns) 34-Se-74
 Cross Section -99.70 To 9999. %



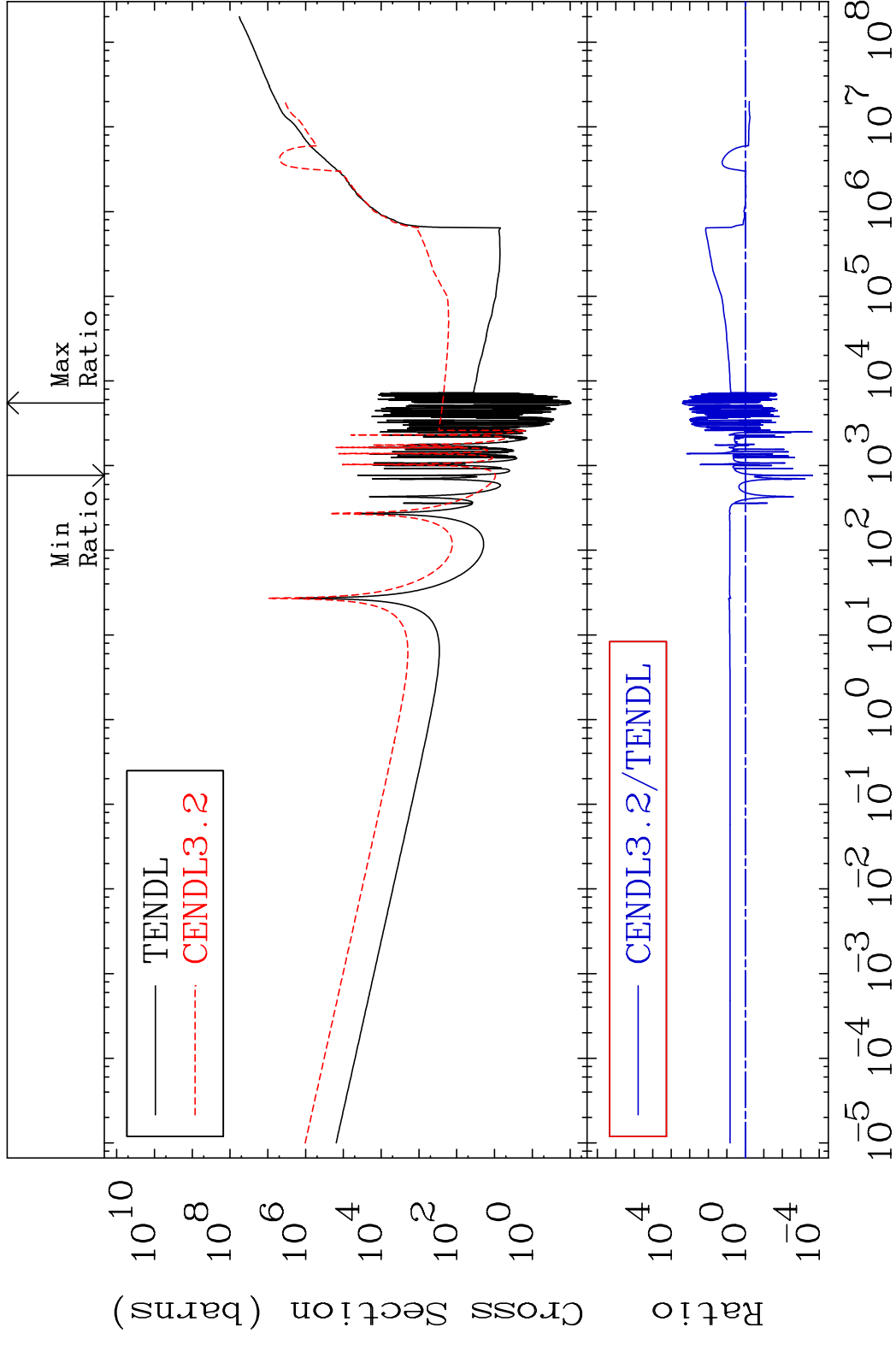
34 Incident Energy (eV) 34-Se-74

MAT 3425

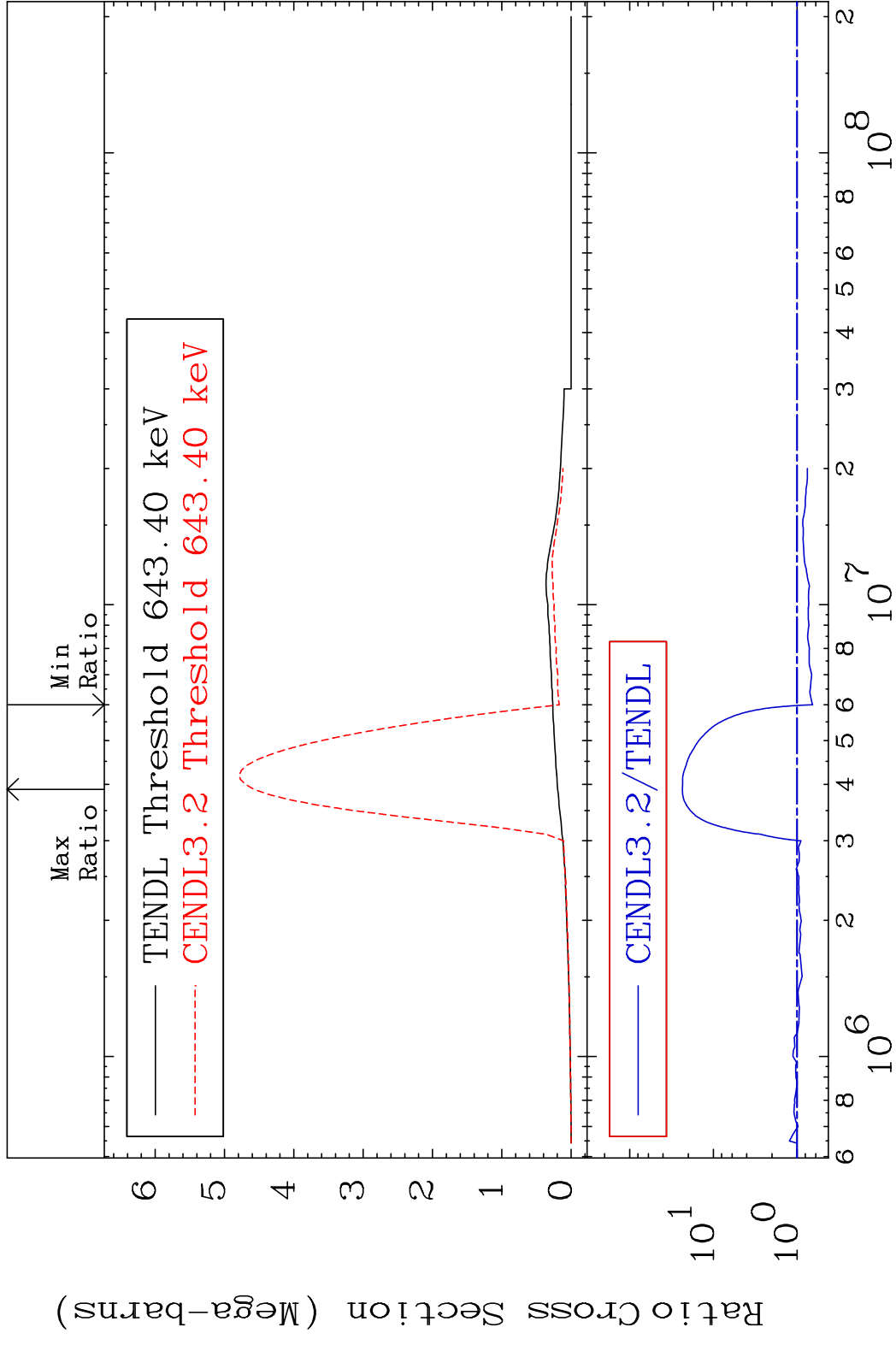
Kerma elastic Cross Section -100.0 To 9999. %
34-Se-74



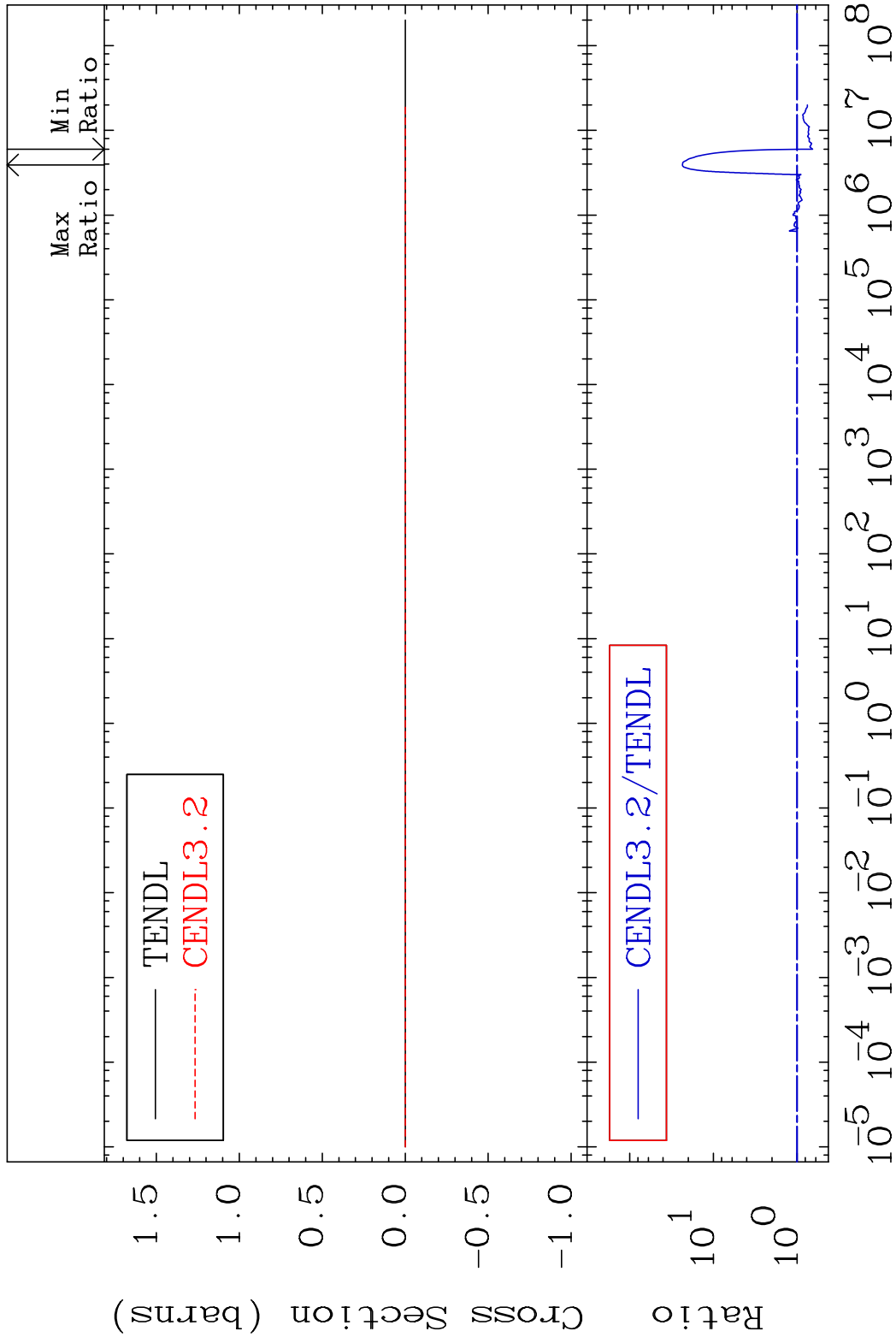
MAT 3425 Kerma non-elastic (all but mt2) 34-Se-74
 Cross Section -99.98 To 9999. %



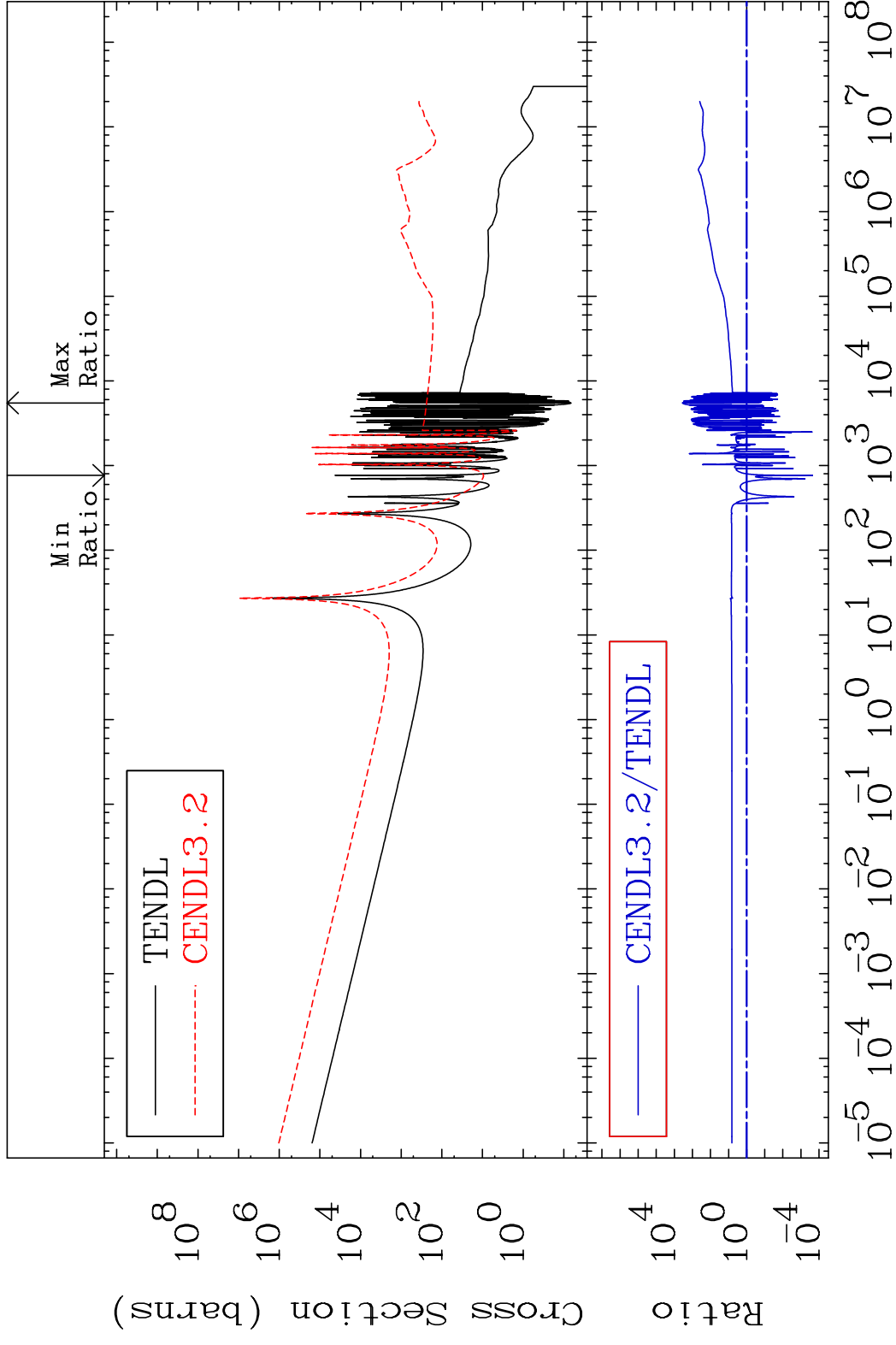
MAT 3425 Kerma inelastic (mt51-91) 34-Se-74
 Cross Section -34.47 To 2255. %



MAT 3425 Kerma fission (mt18 or mt19-20-21-38) 34-Se-74
 Cross Section -34.47 To 2255. %

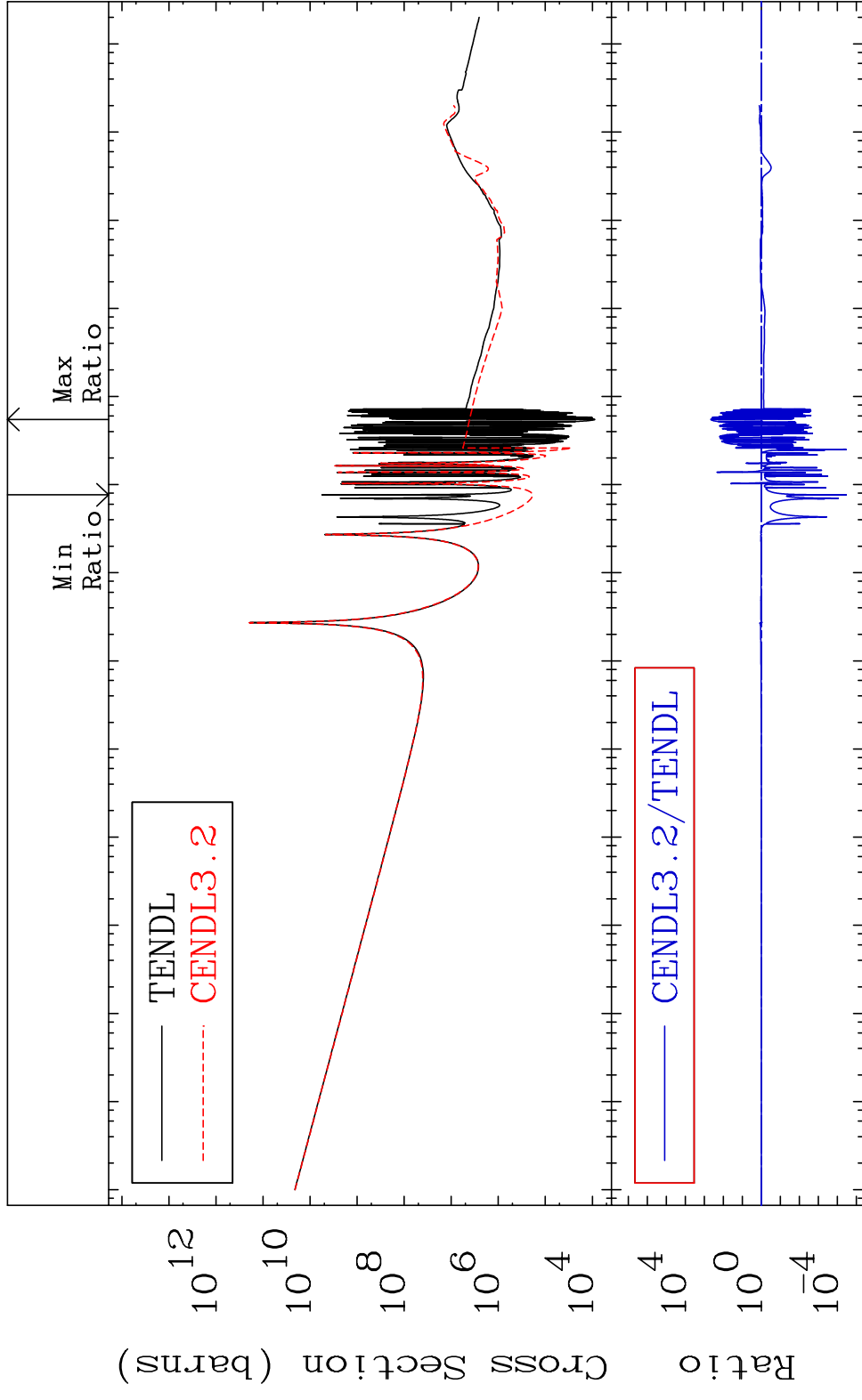


MAT 3425 Kerma capture (mt102) 34-Se-74
 Cross Section -99.98 To 9999. %



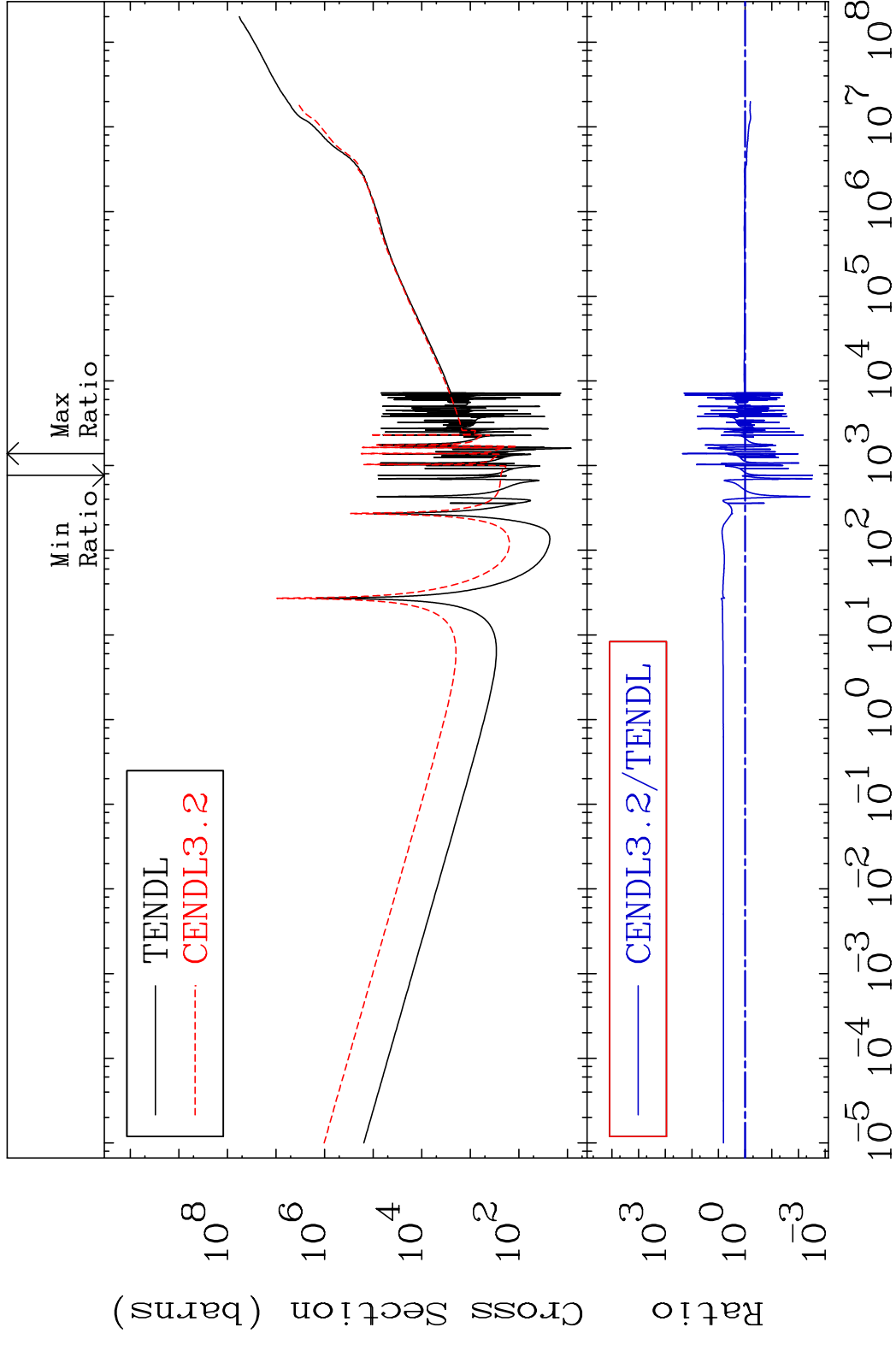
39 Incident Energy (eV) 34-Se-74

MAT 3425 Total photon (eV-barns) 34-Se-74
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 34-Se-74

MAT 3425 Total kinematic kerma (high limit) 34-Se-74
 Cross Section -99.70 To 9999. %

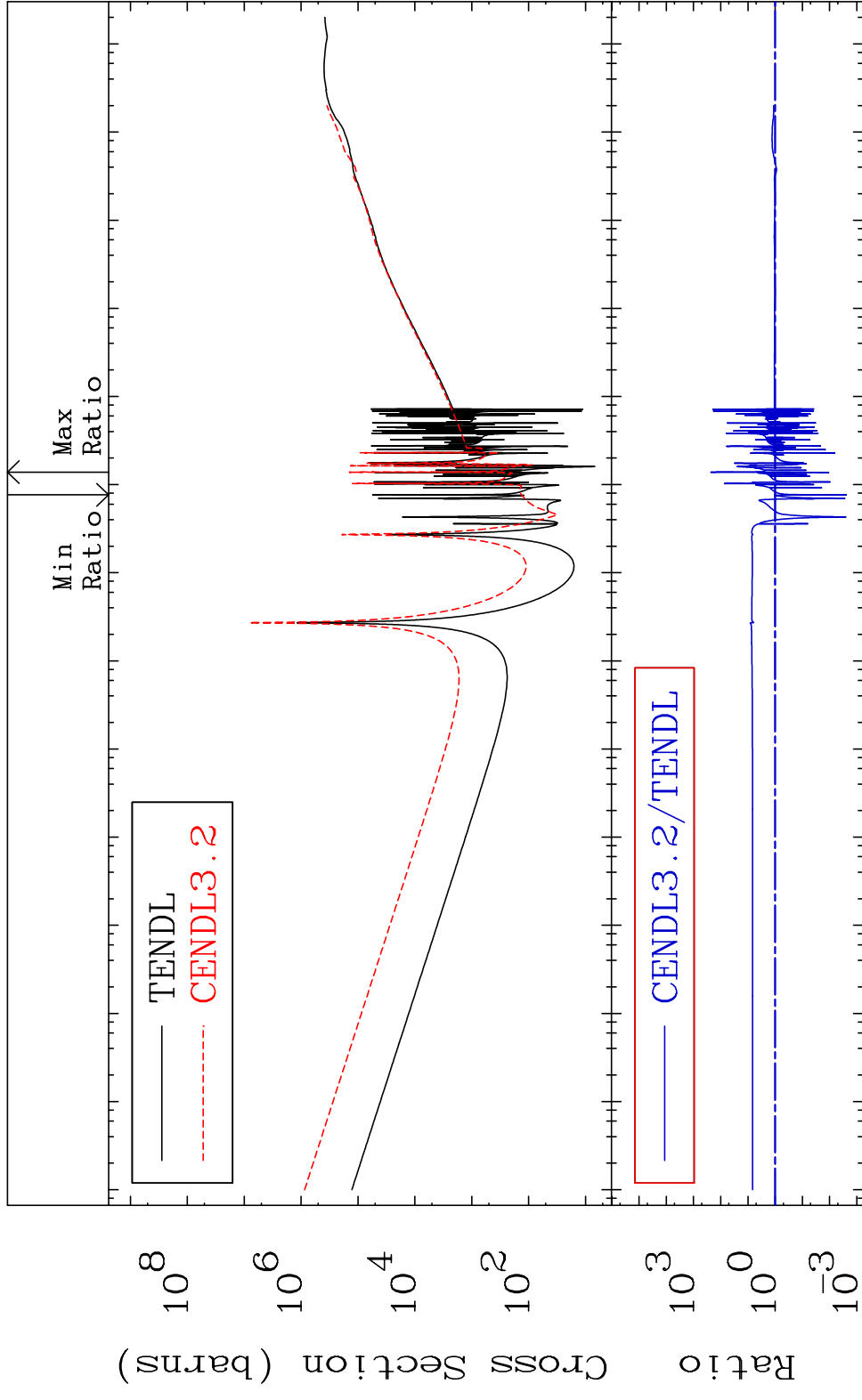


MAT 3425

Dpa total (eV-barns)

34-Se-74

Cross Section -99.76 To 9999. %



42

Incident Energy (eV)

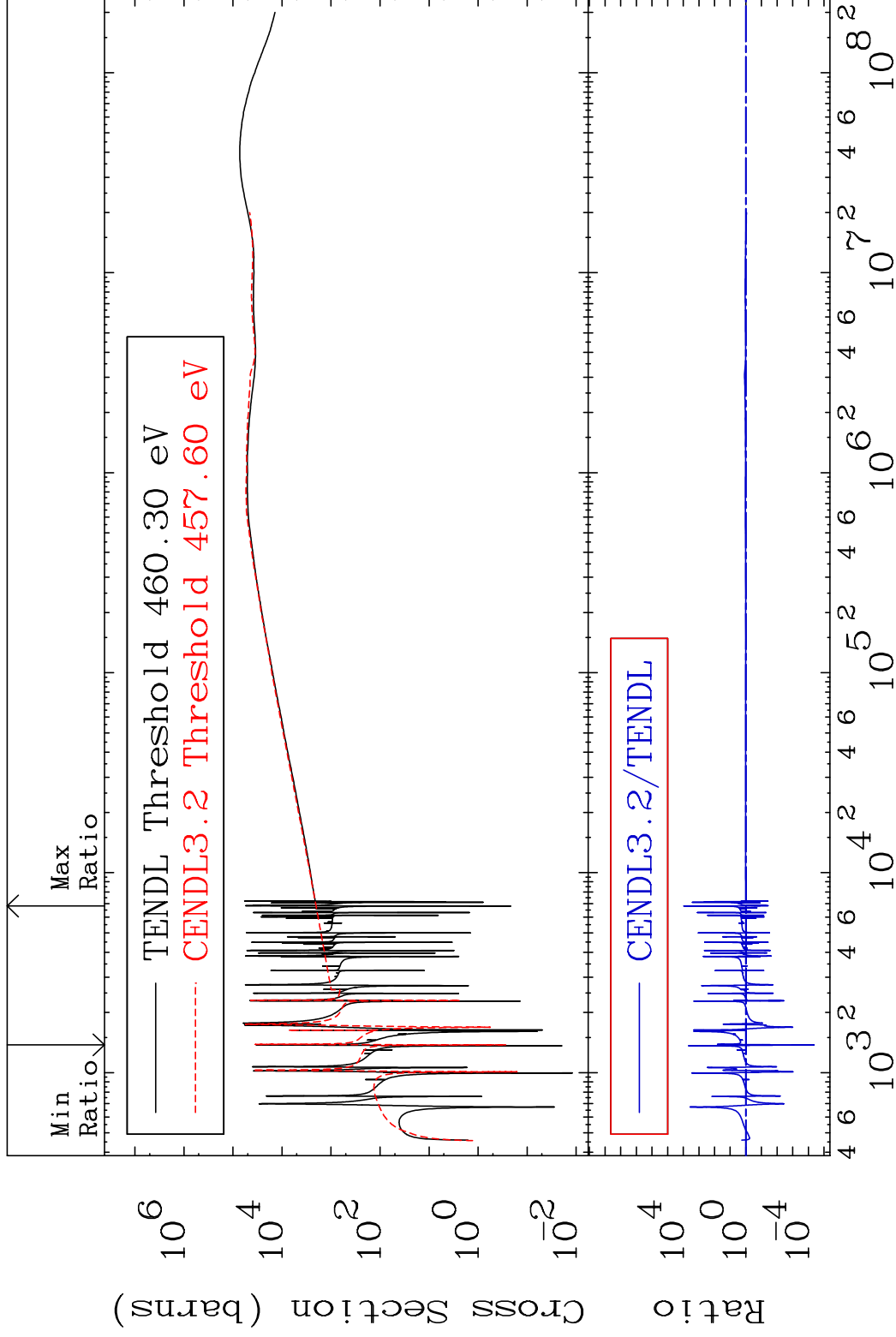
34-Se-74

MAT 3425

Dpa elastic (mt2)

34-Se-74

Cross Section -100.0 To 9999. %

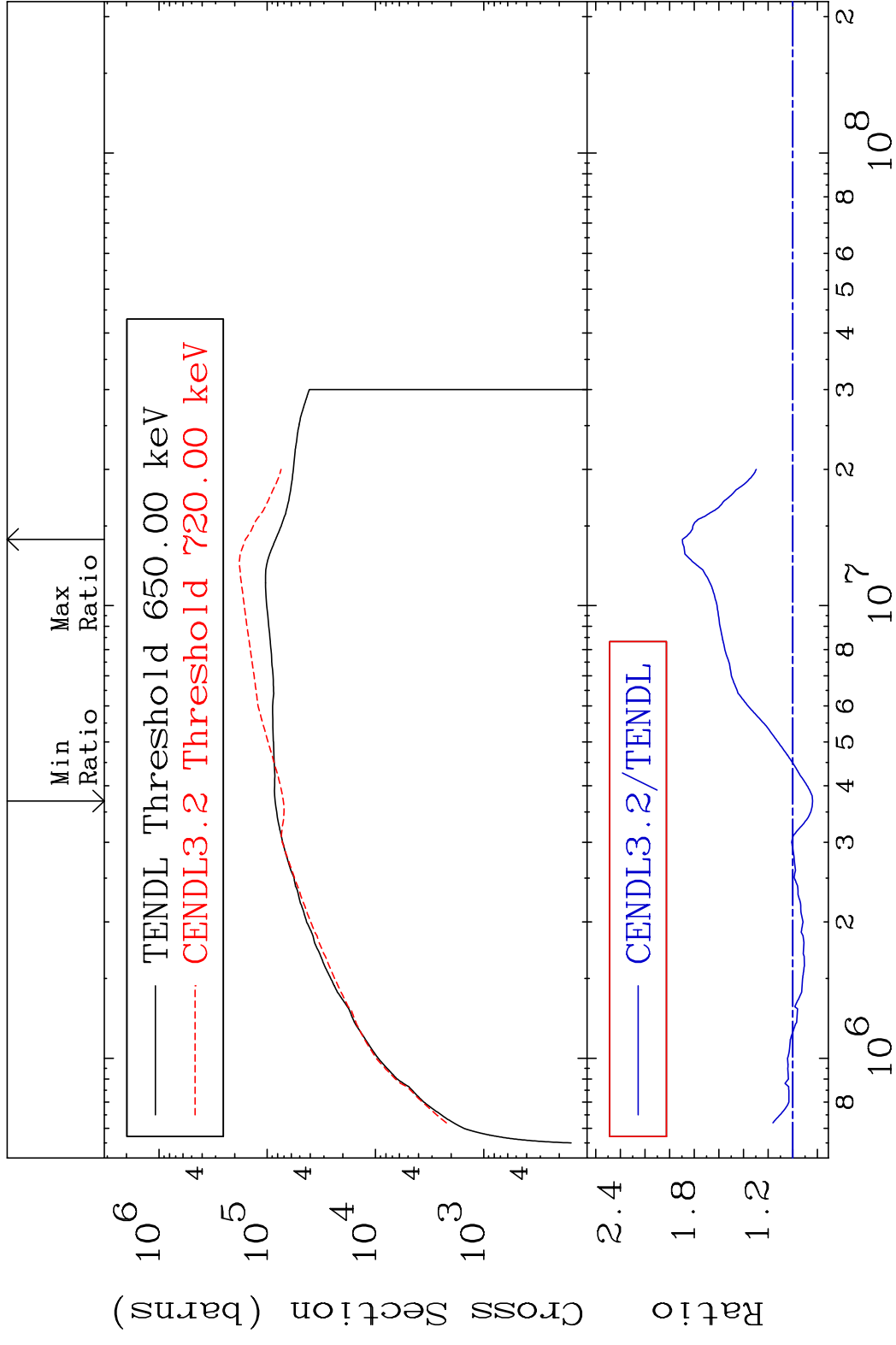


43

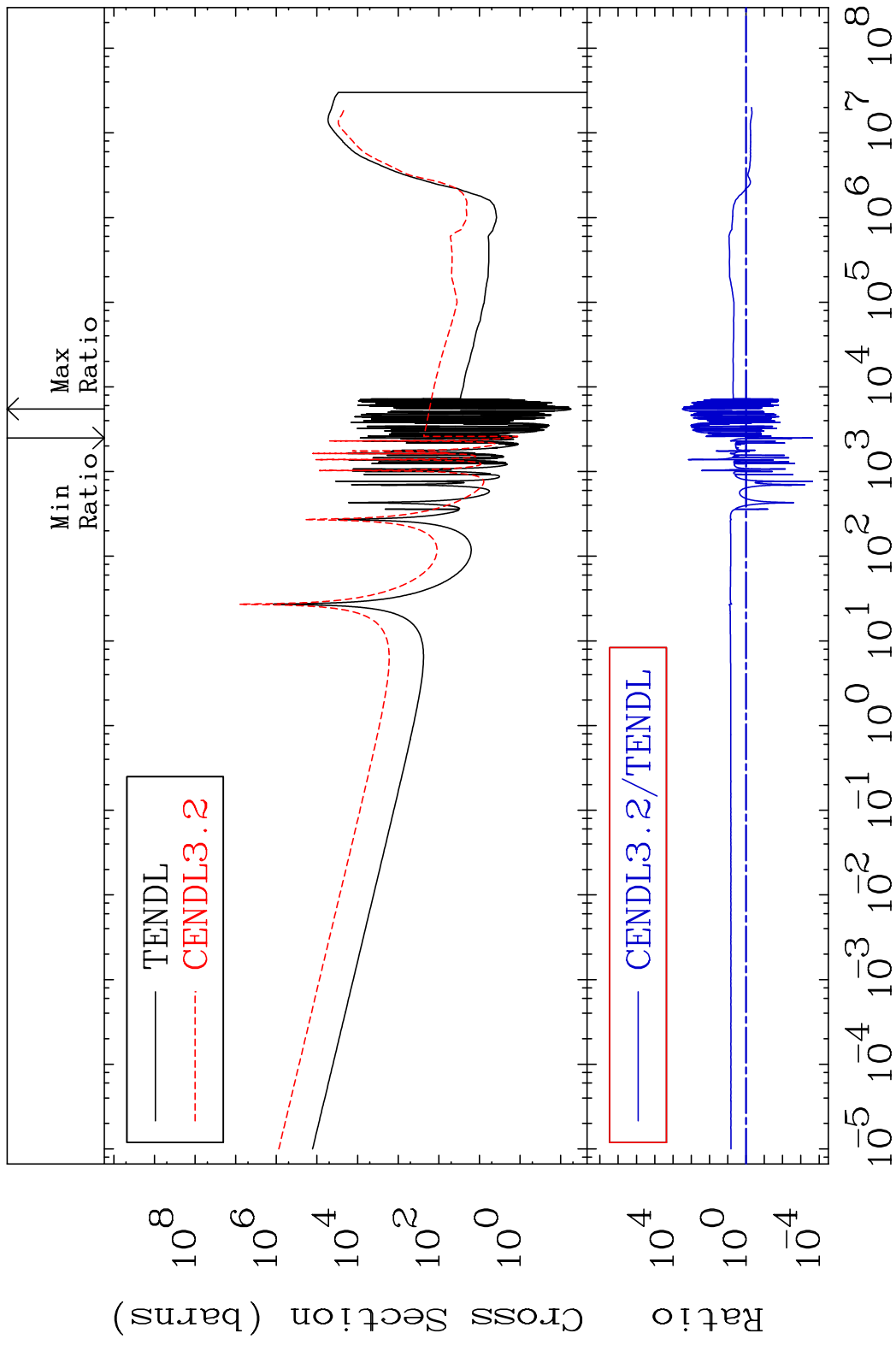
Incident Energy (eV)

34-Se-74

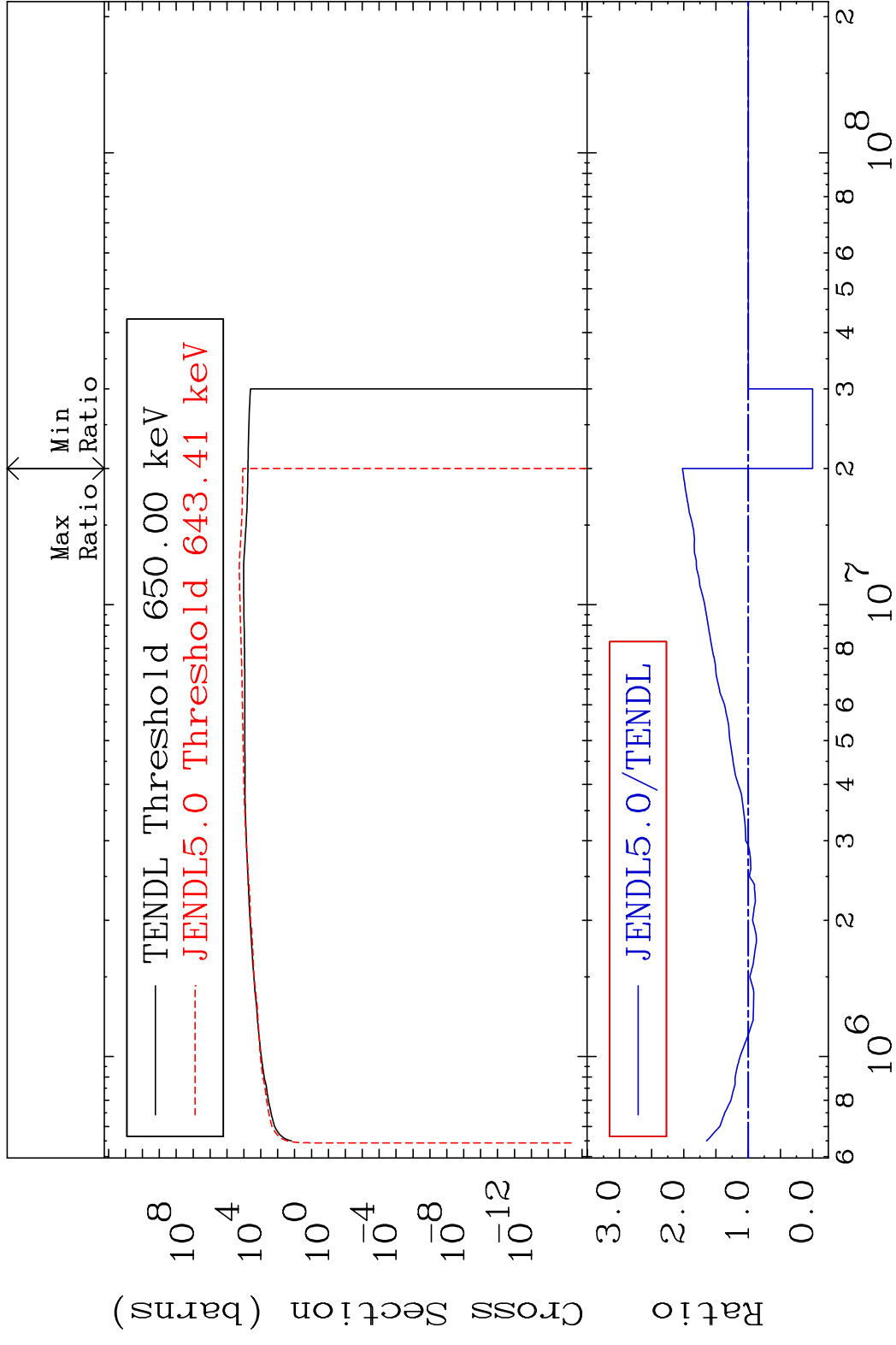
MAT 3425 Dpa inelastic (mt51-91) 34-Se-74
 Cross Section -16.05 To 89.72 %



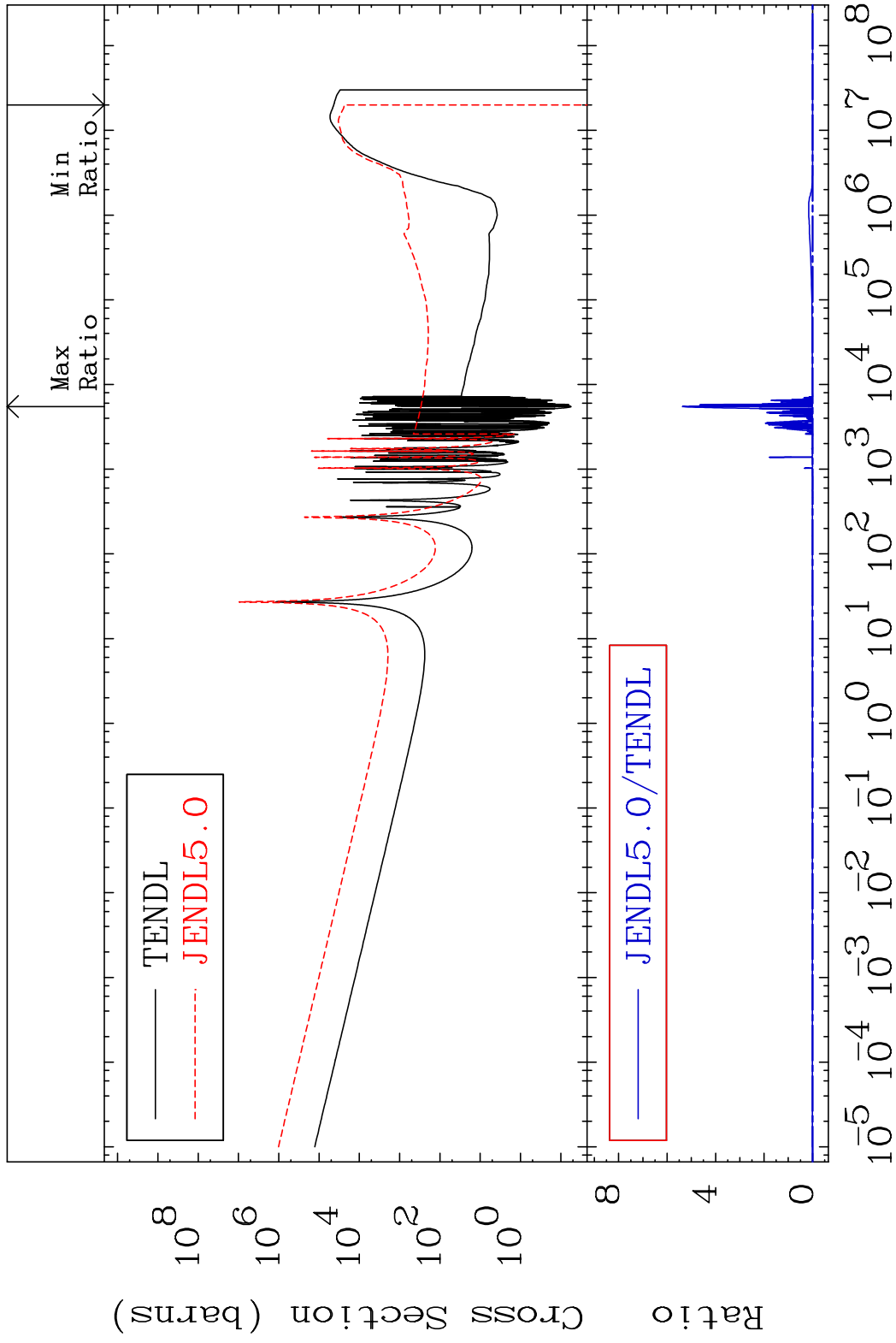
MAT 3425 Dpa disappearance (mt102 -120) 34-Se-74
 Cross Section -99.98 To 9999. %



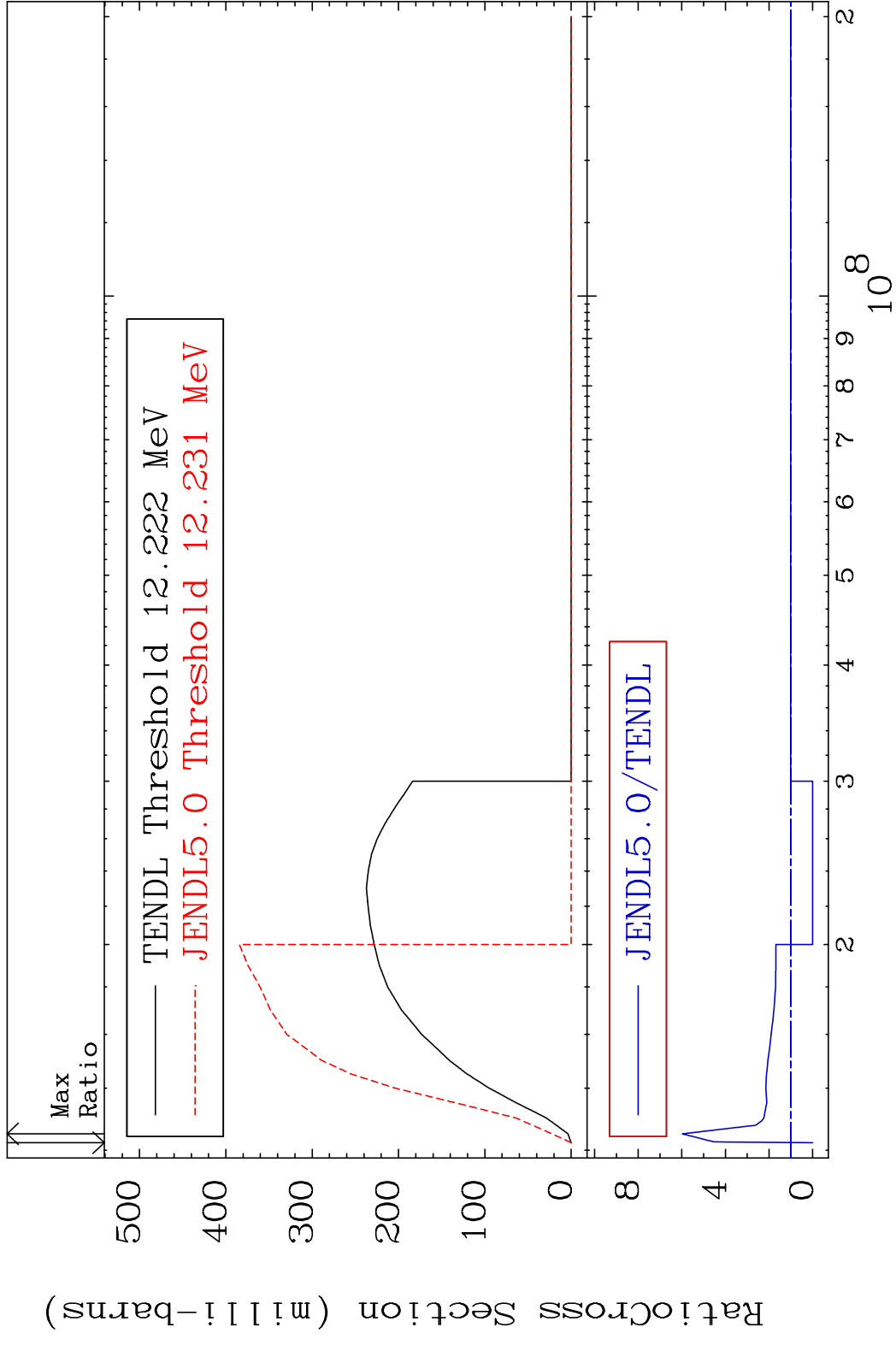
MAT 3425 Dpa inelastic (mt51-91) 34-Se-74
 Cross Section -100.0 To 102.3 %



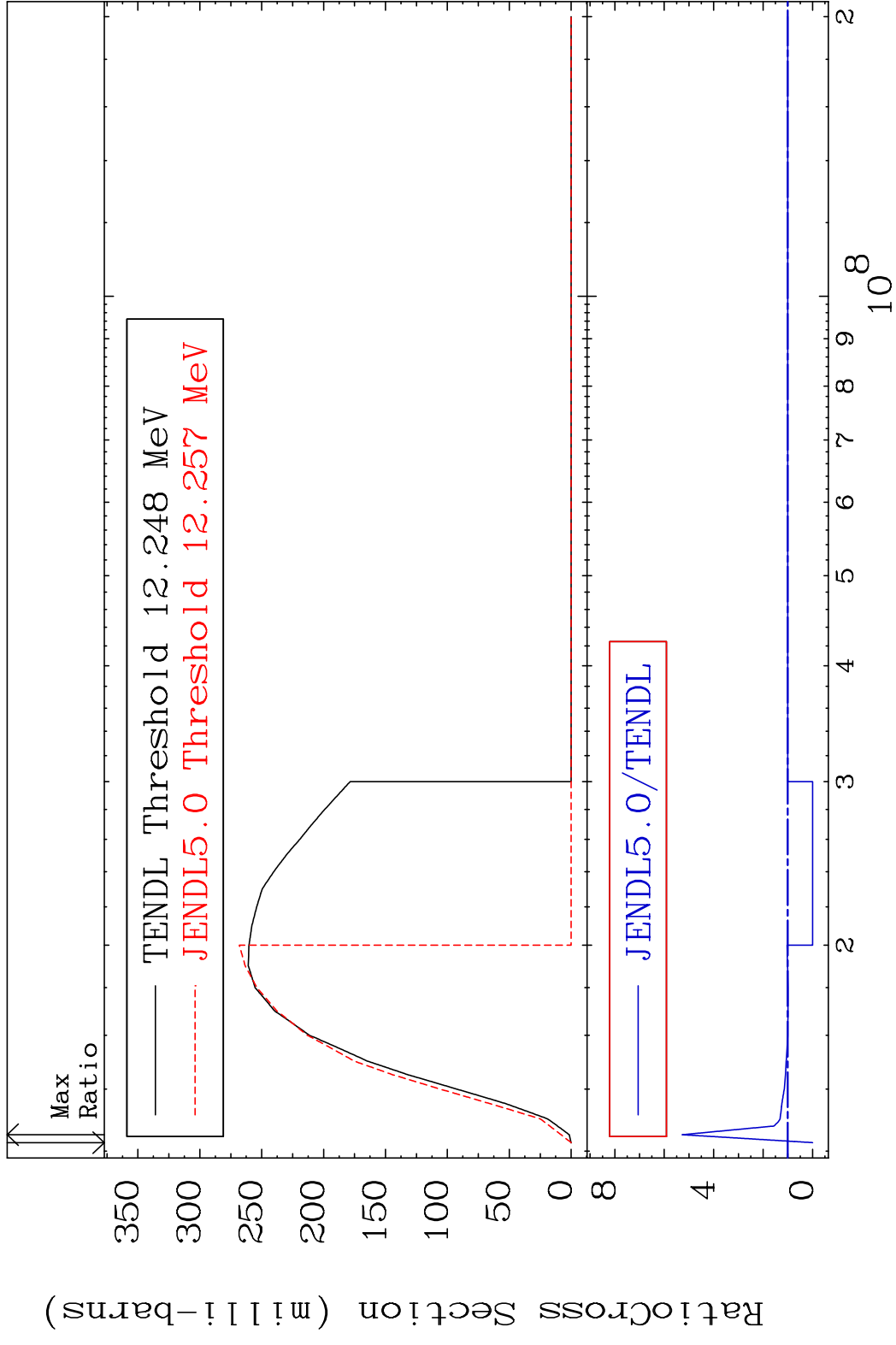
MAT 3425 Dpa disappearance (mt102 -120) 34-Se-74
 Cross Section -100.0 To 9999. %



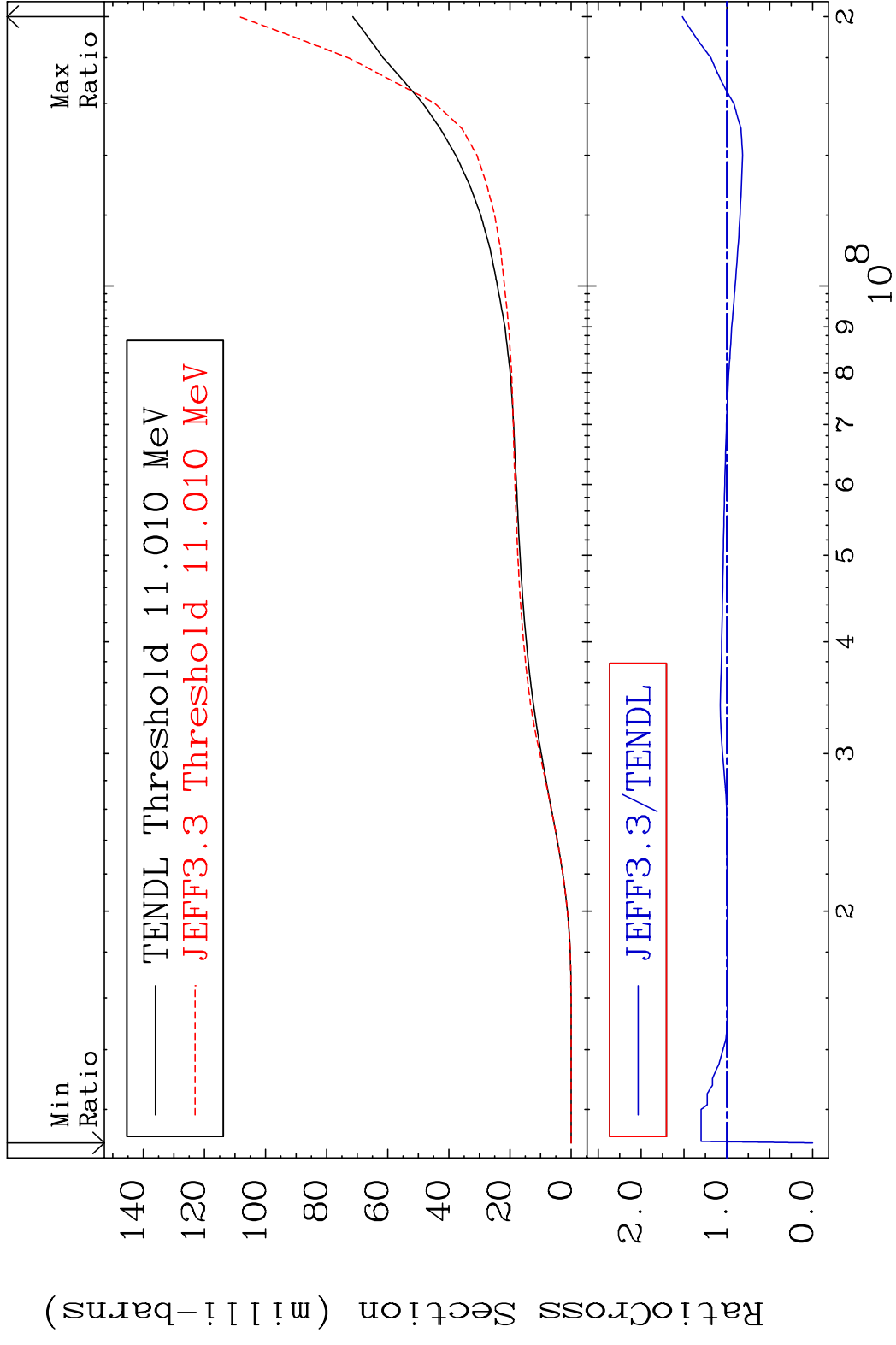
MAT 3425 (n,2n):34-Se-73g 34-Se-74
 Radionuclide Production Cross Section 180.0 dth 497.5 %



MAT 3425 (n,2n):34-Se-73m1 34-Se-74
 Radionuclide Production Cross Section Ratio 426.8 %



MAT 3425 Tritium Production 34-Se-74
 Cross Section -100.0 To 51.96 %

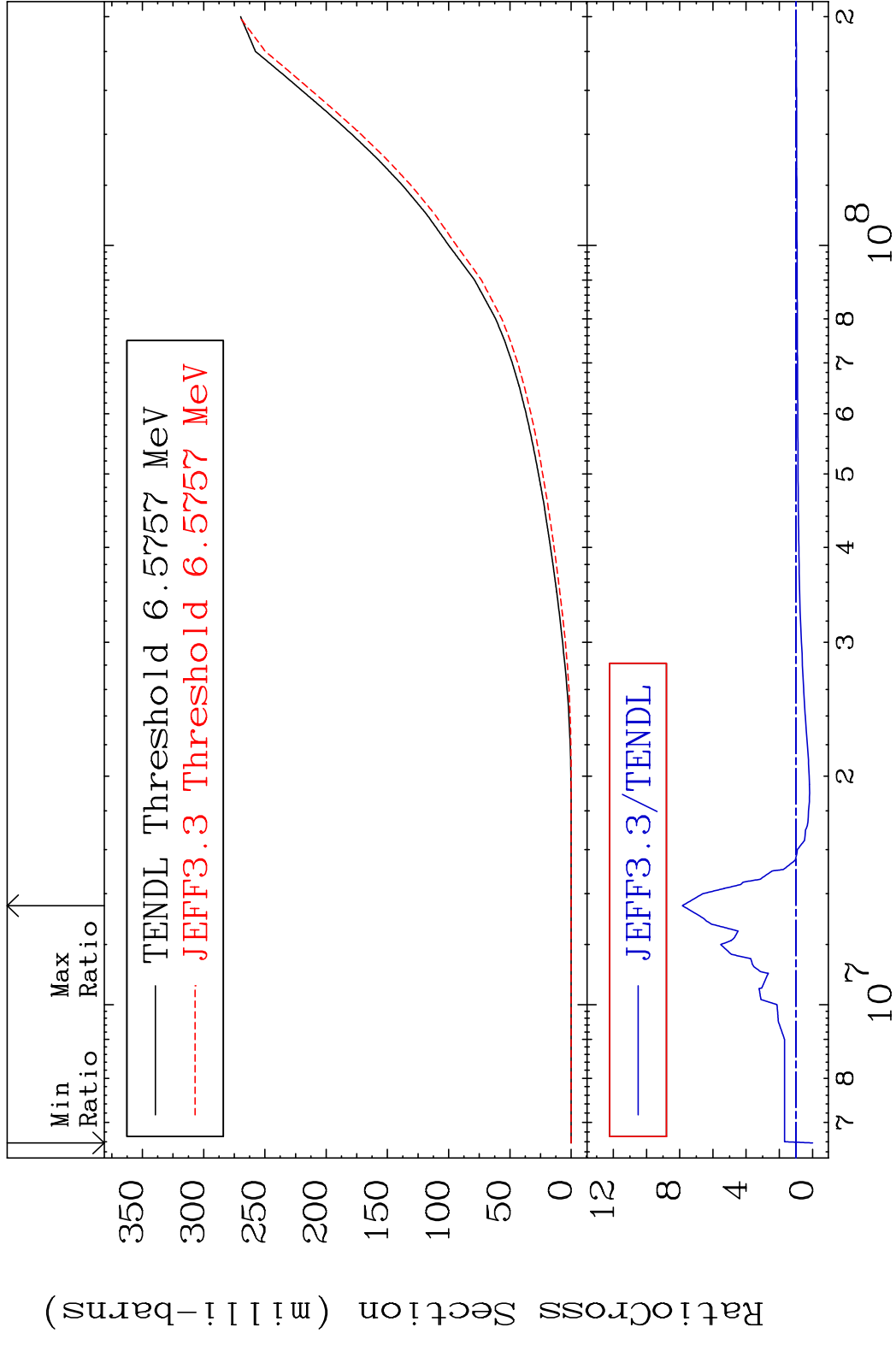


MAT 3425

He-3 Production

34-Se-74

Cross Section -100.0 To 683.9 %

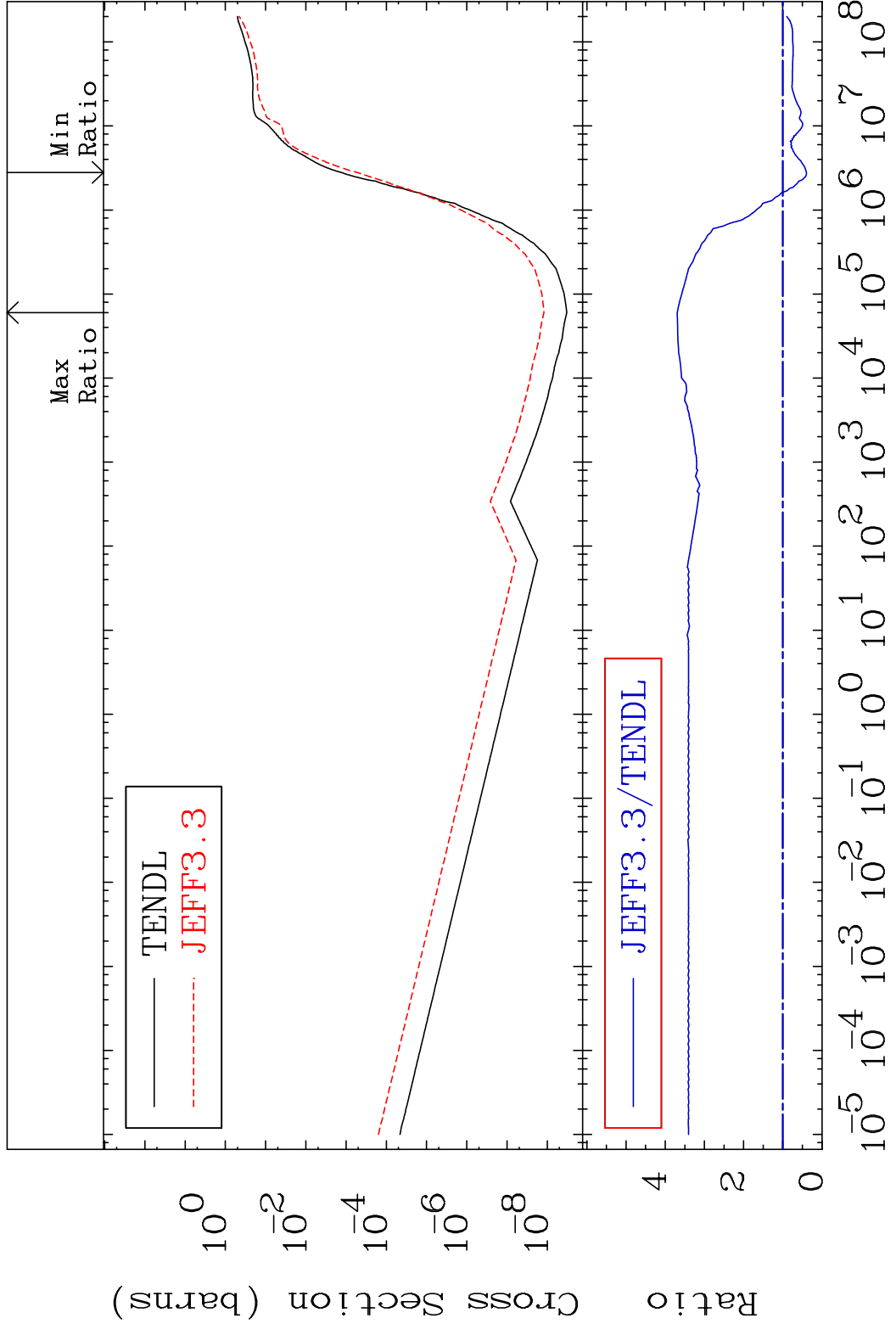


MAT 3425

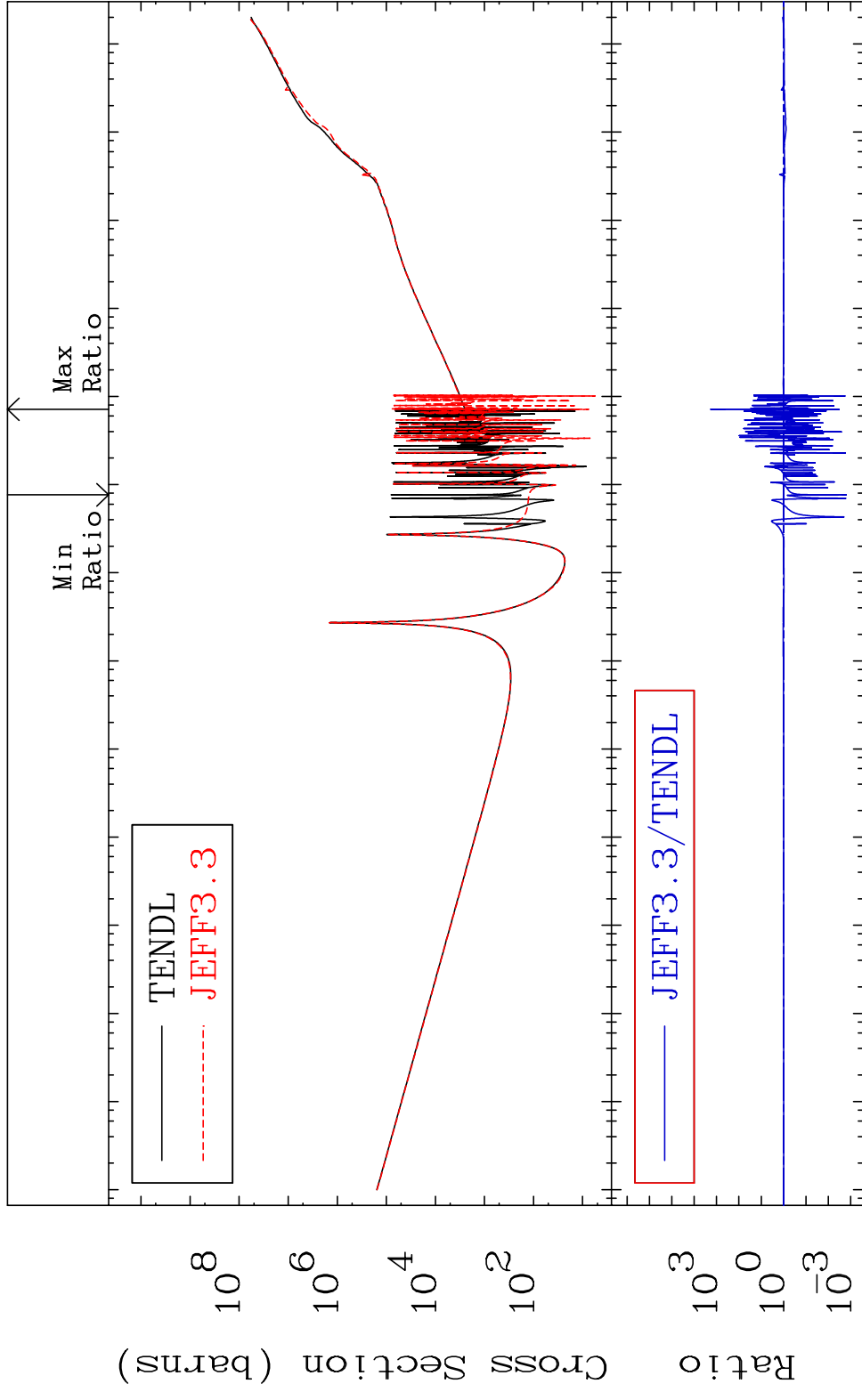
He-4 Production

34-Se-74

Cross Section -60.22 To 269.5 %

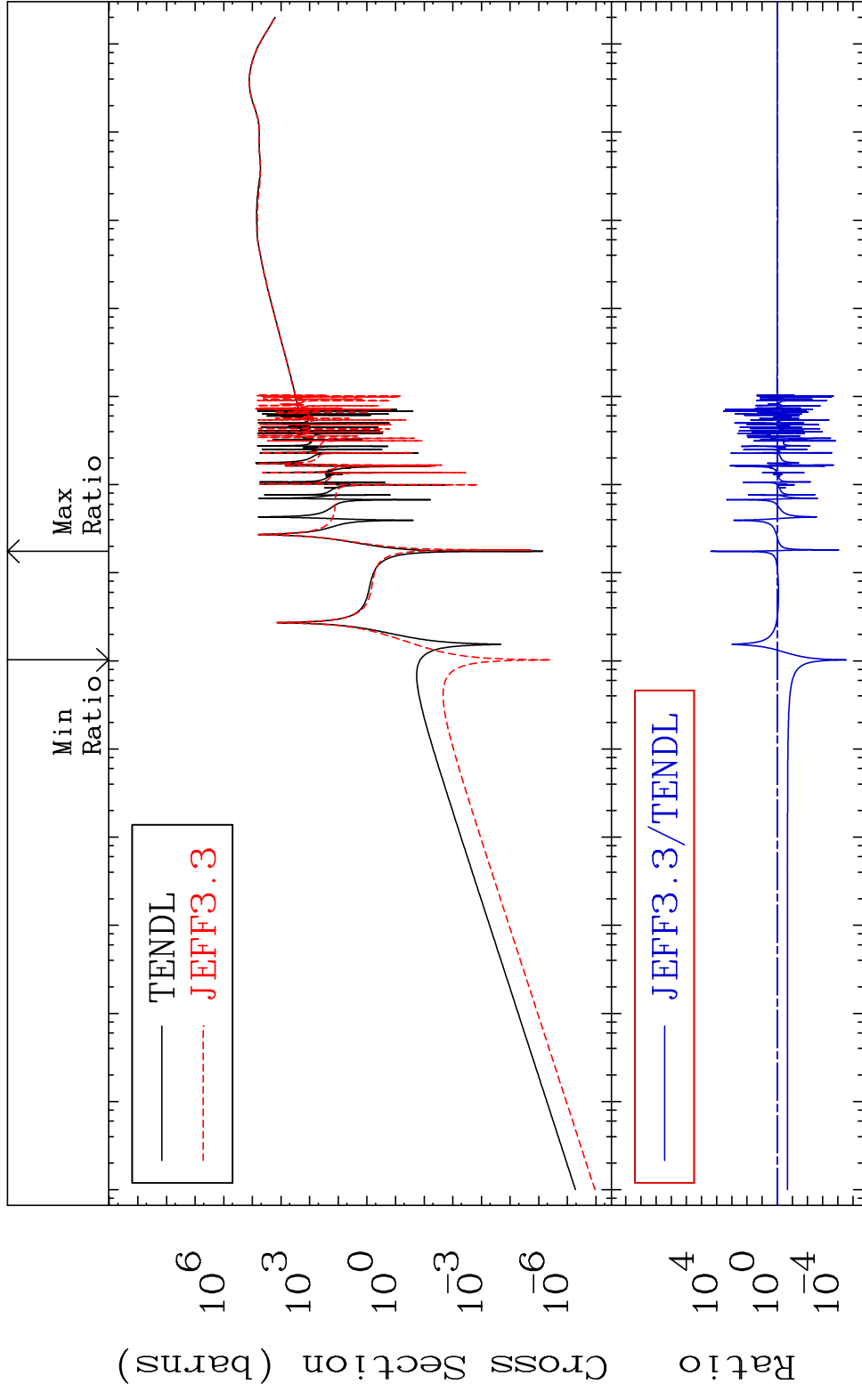


MAT 3425 Kerma total (eV-barns) 34-Se-74
 Cross Section -99.84 To 9999. %

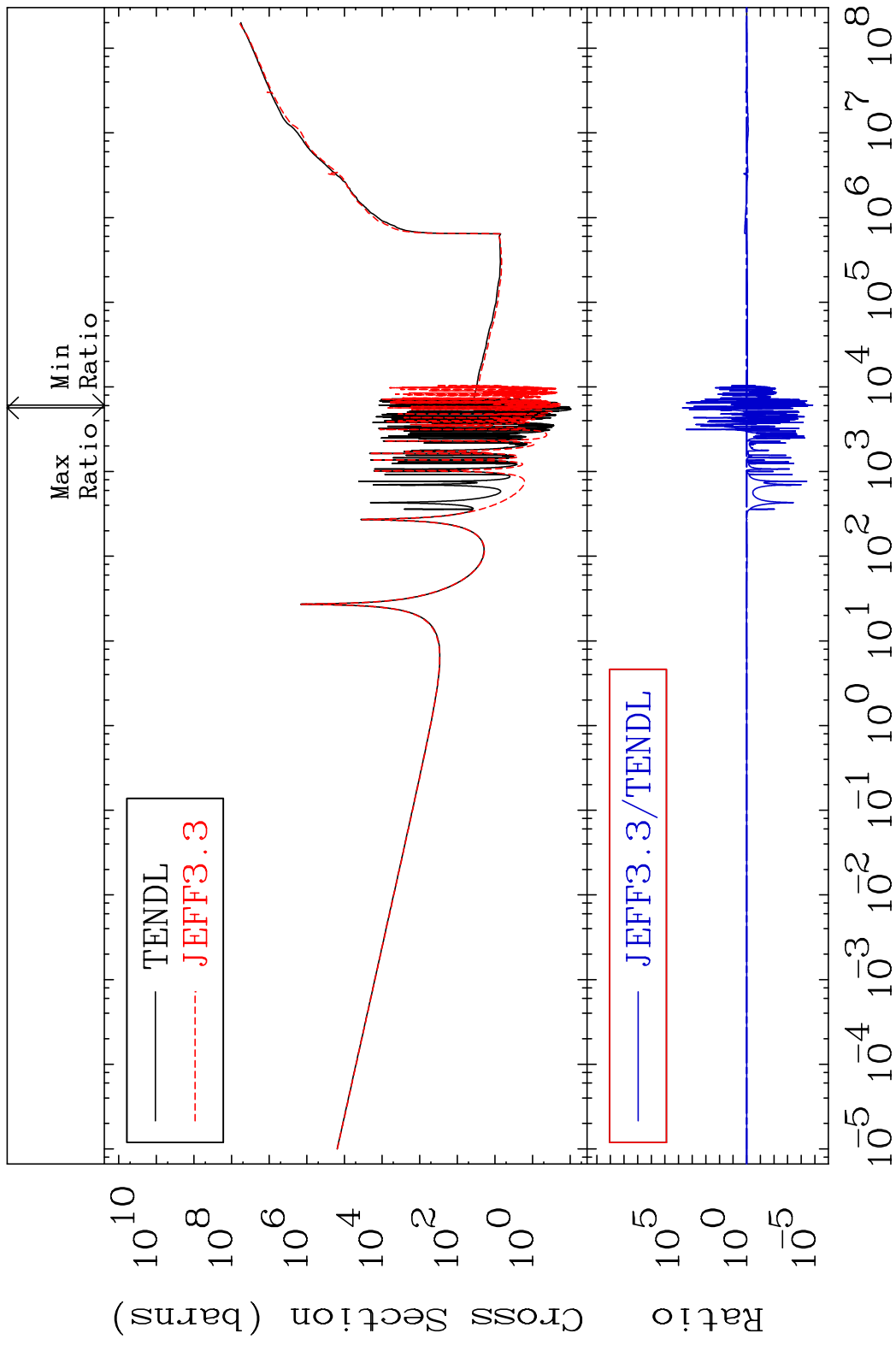


MAT 3425

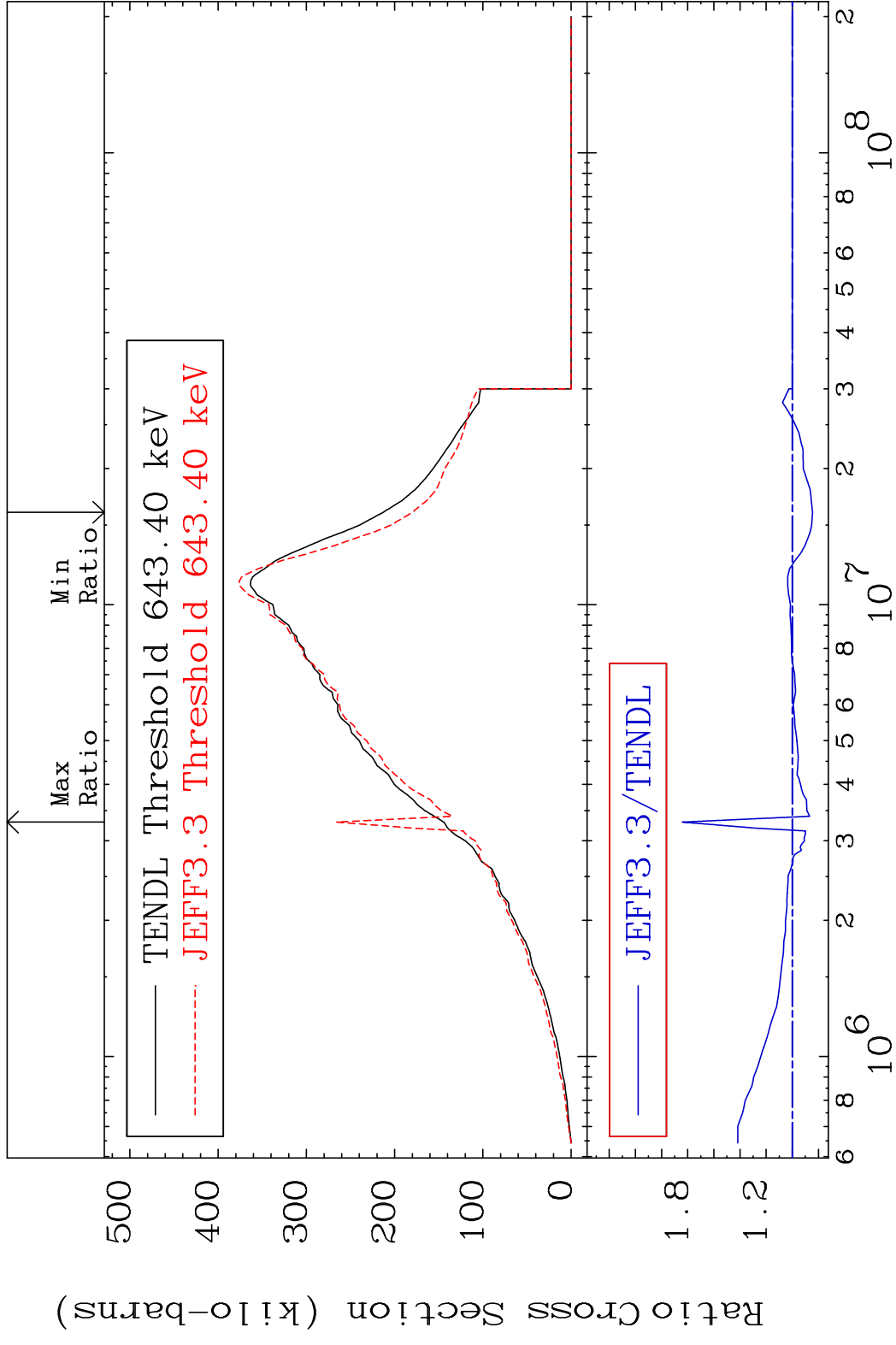
Kerma elastic Cross Section -100.0 To 9999. %
34-Se-74



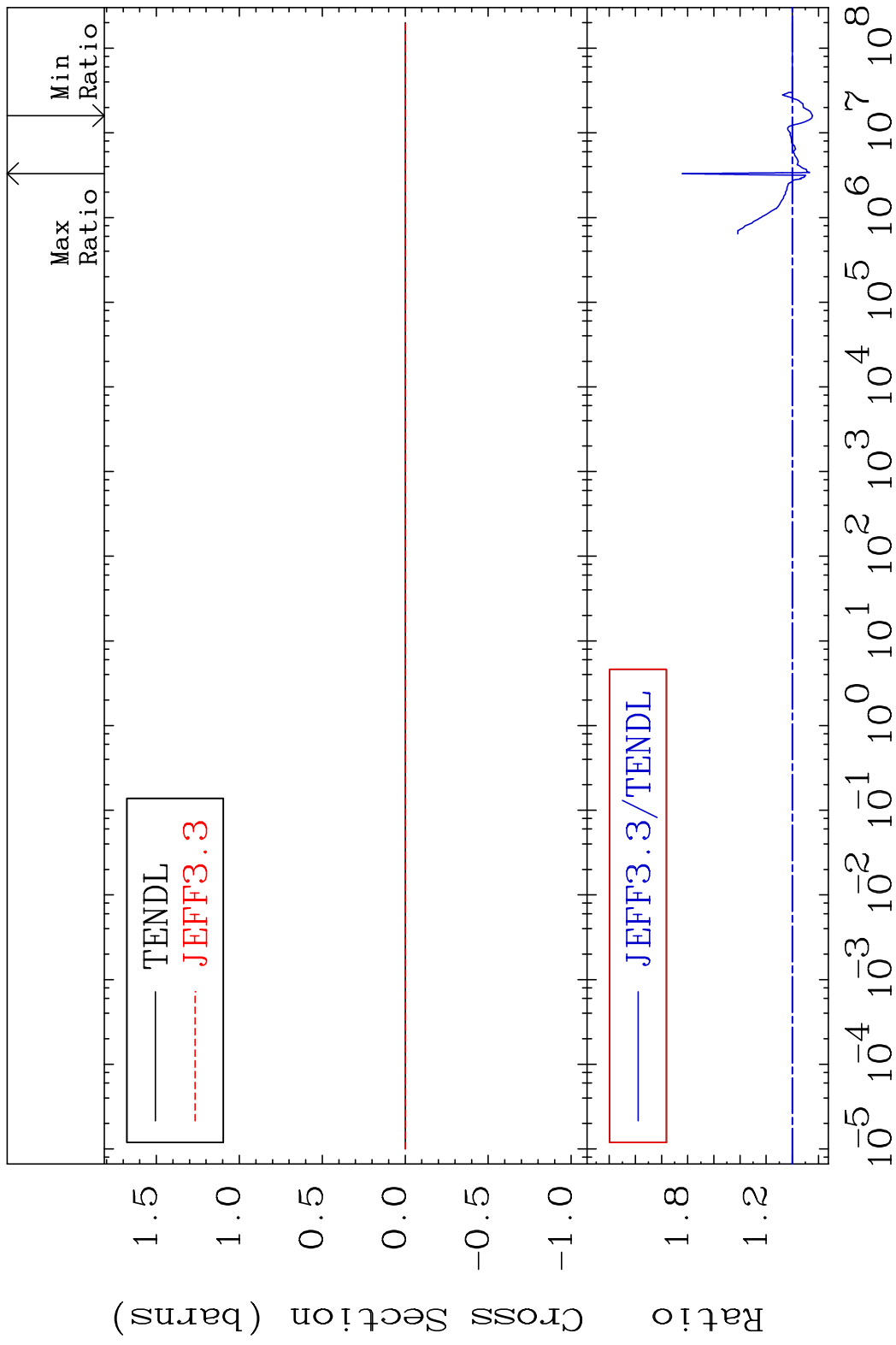
MAT 3425 Kerma non-elastic (all but mt2) 34-Se-74
 Cross Section -100.0 To 9999. %



MAT 3425 Kerma inelastic (mt51-91) 34-Se-74
 Cross Section -15.51 To 84.10 %

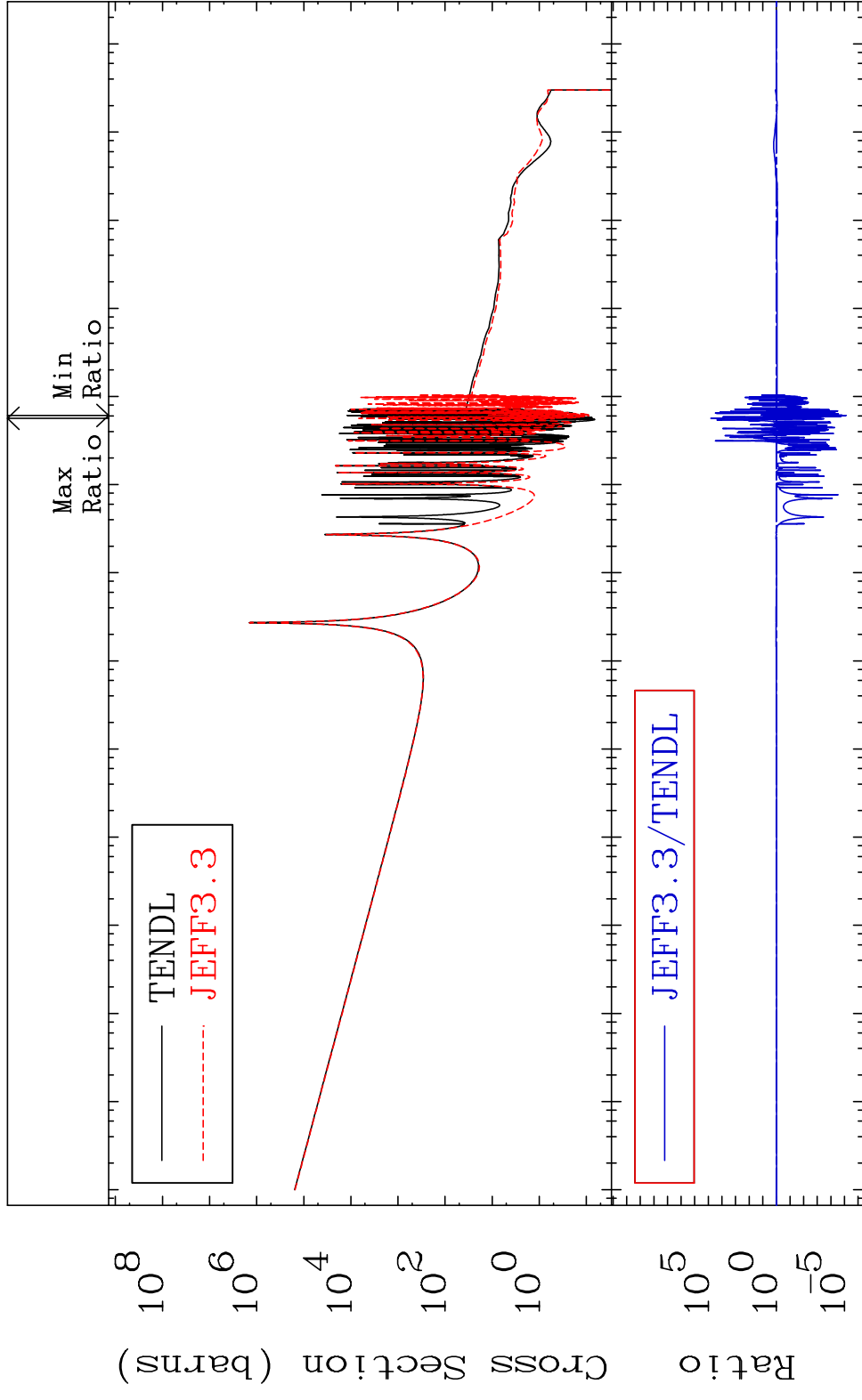


MAT 3425 Kerma fission (mt18 or mt19-20-21-38) 34-Se-74
 Cross Section -15.51 To 84.10 %



MAT 3425

Kerma capture (mt102) 34-Se-74
Cross Section -100.0 To 9999. %



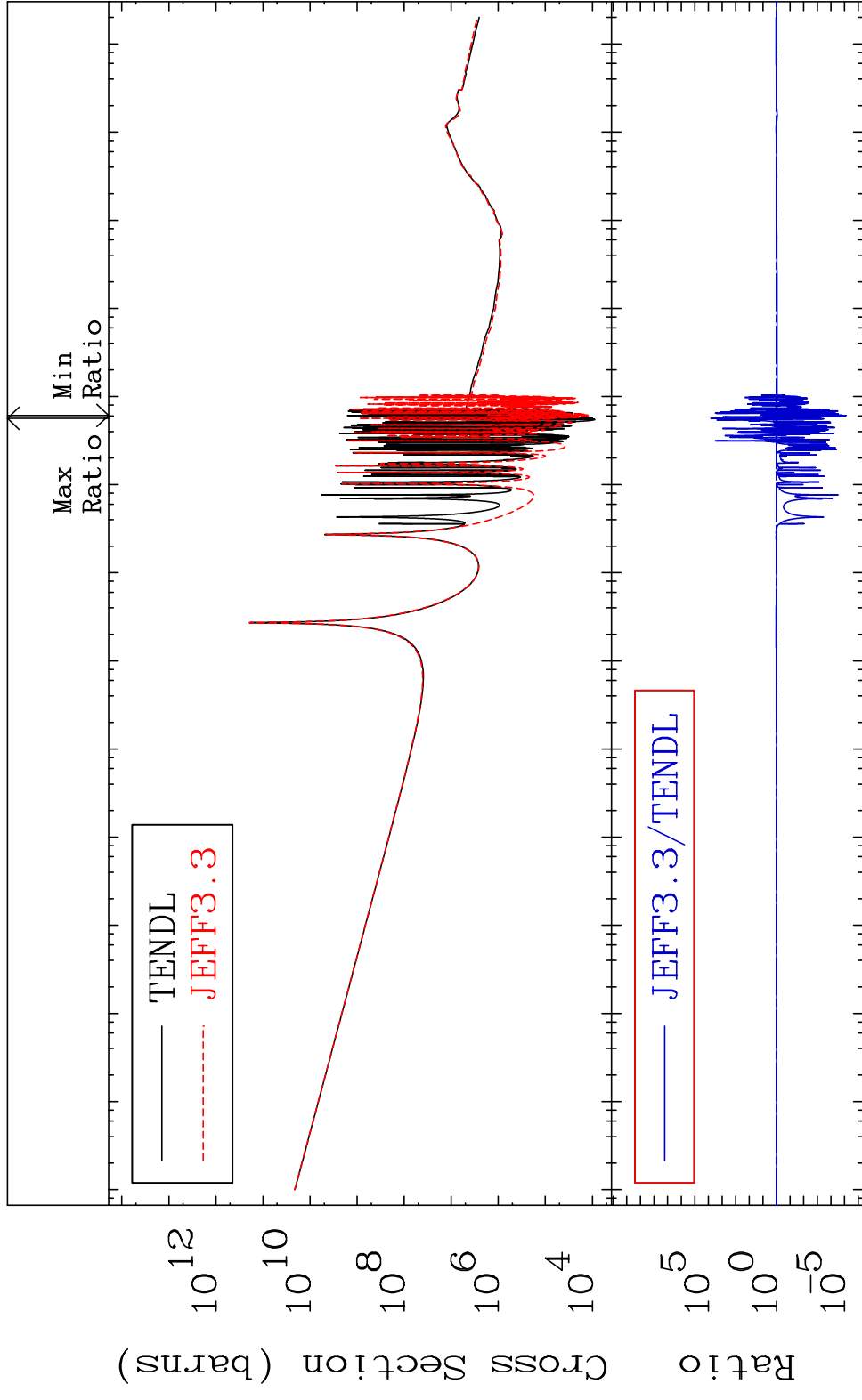
58

Incident Energy (eV)

34-Se-74

MAT 3425

Total photon (eV-barns) 34-Se-74
Cross Section -100.0 To 9999. %

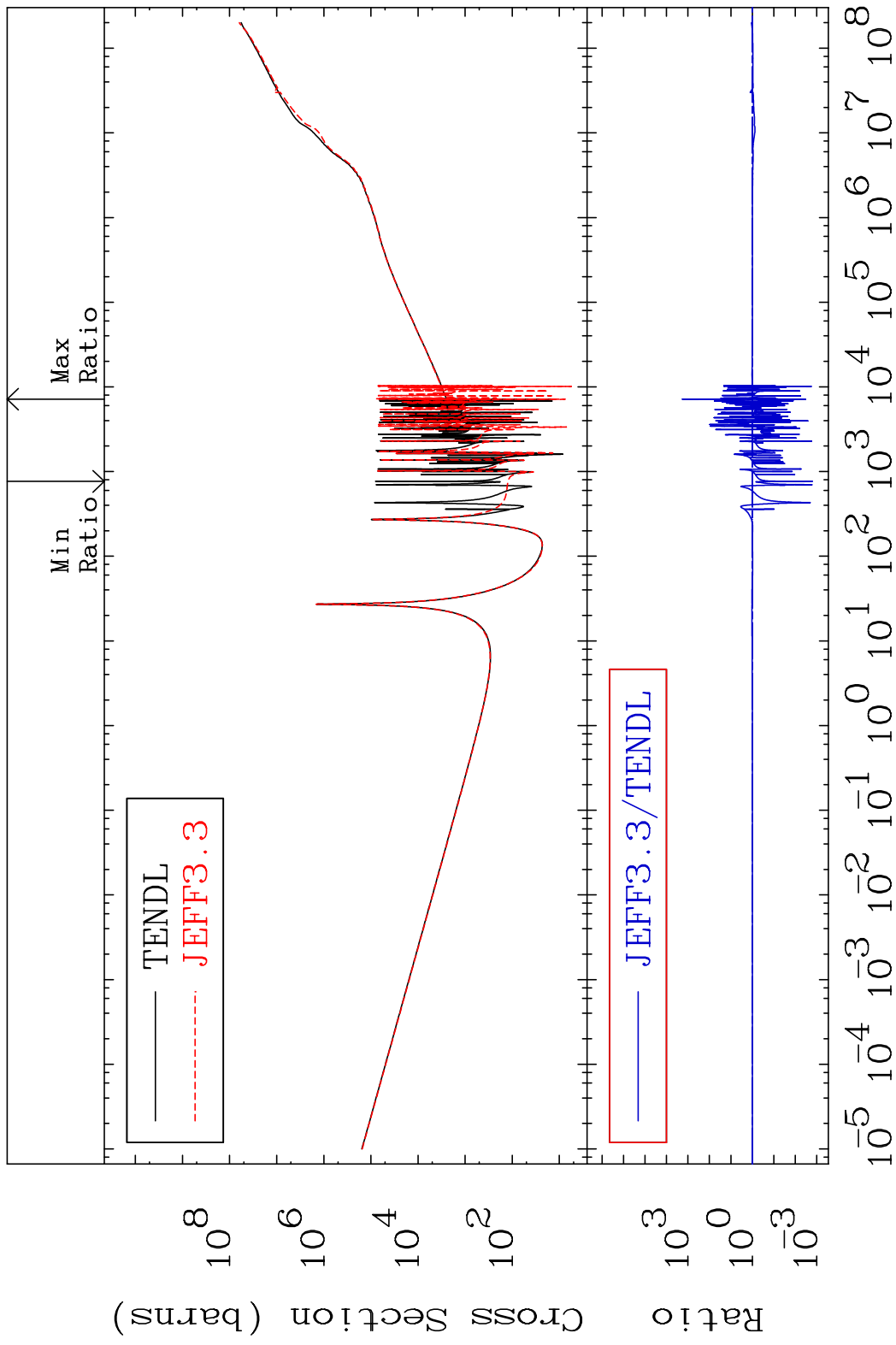


59

Incident Energy (eV)

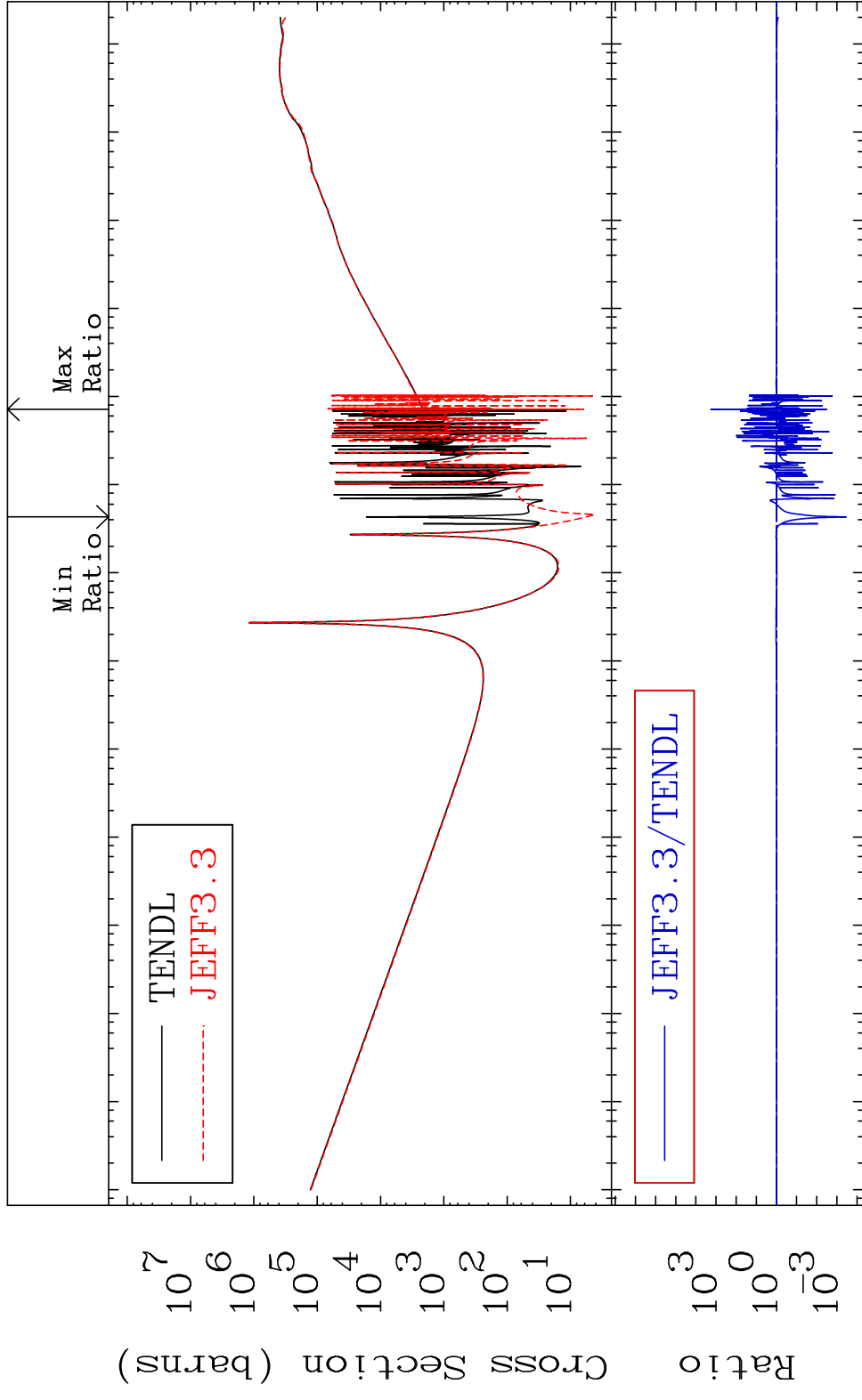
34-Se-74

MAT 3425 Total kinematic kerma (high limit) 34-Se-74
 Cross Section -99.84 To 9999. %



60 Incident Energy (eV) 34-Se-74

MAT 3425 Dpa total (eV-barns) 34-Se-74
 Cross Section -99.97 To 9999. %

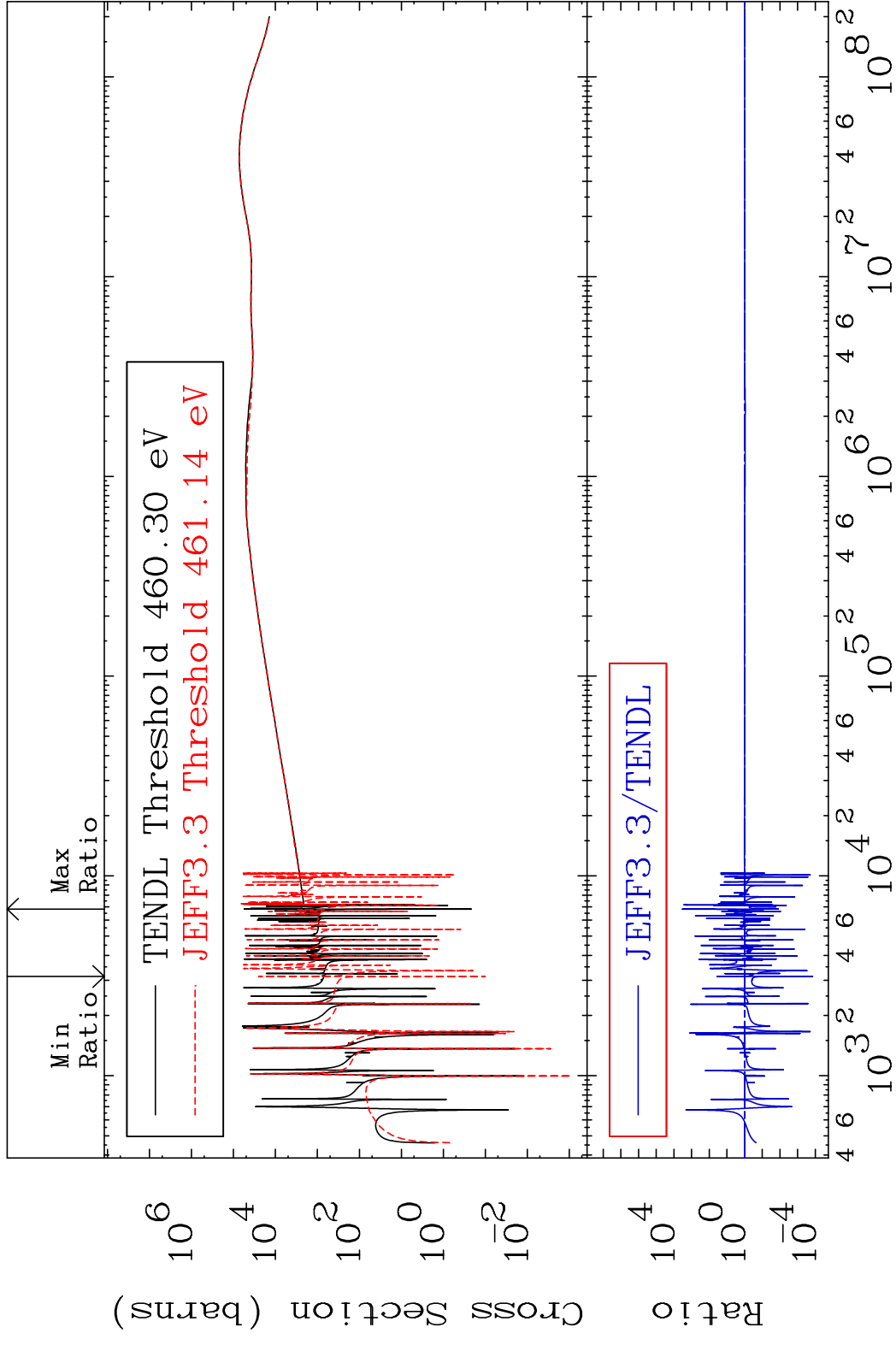


MAT 3425

Dpa elastic (mt2)

34-Se-74

Cross Section -99.99 To 9999. %

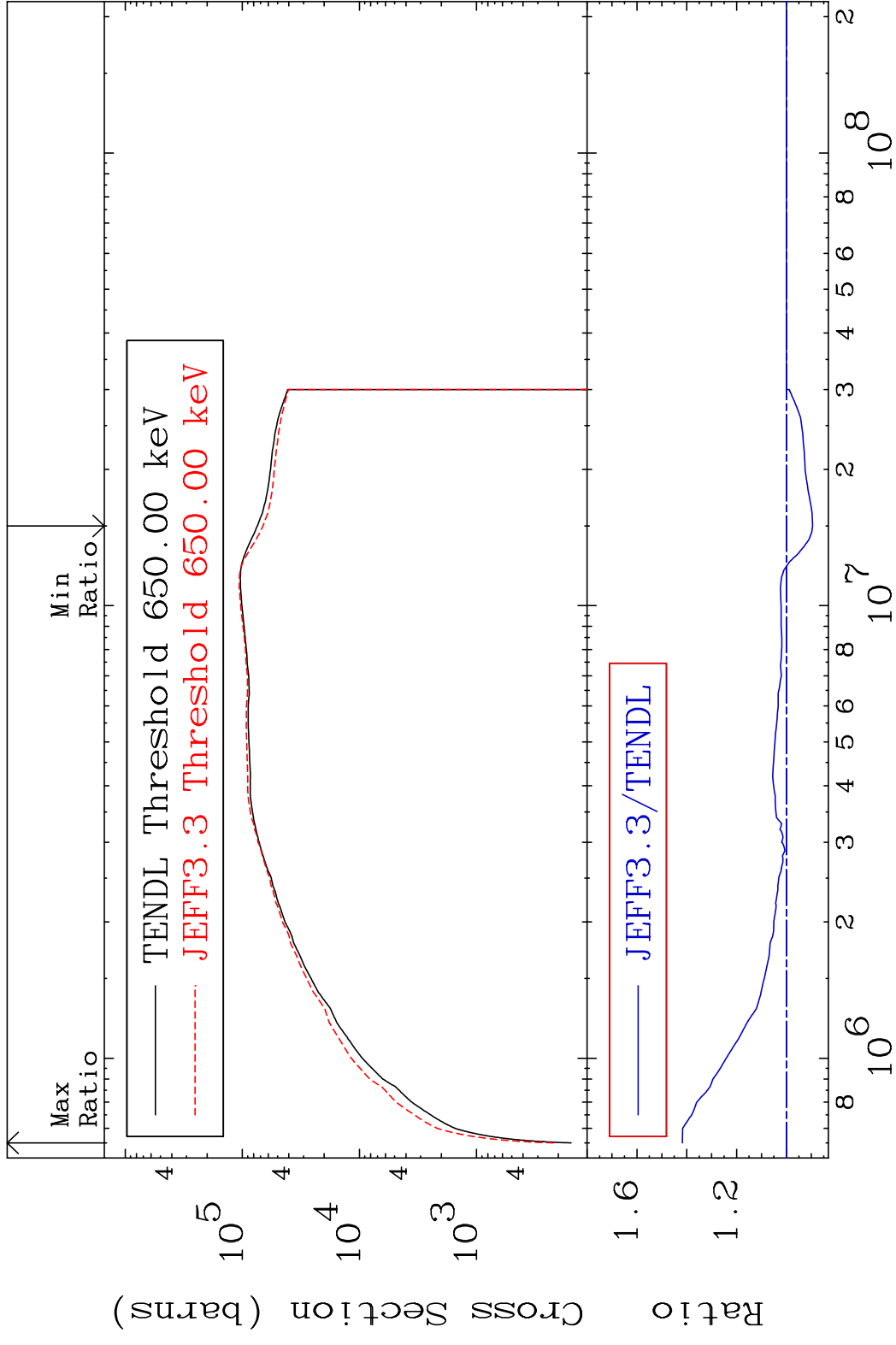


62

Incident Energy (eV)

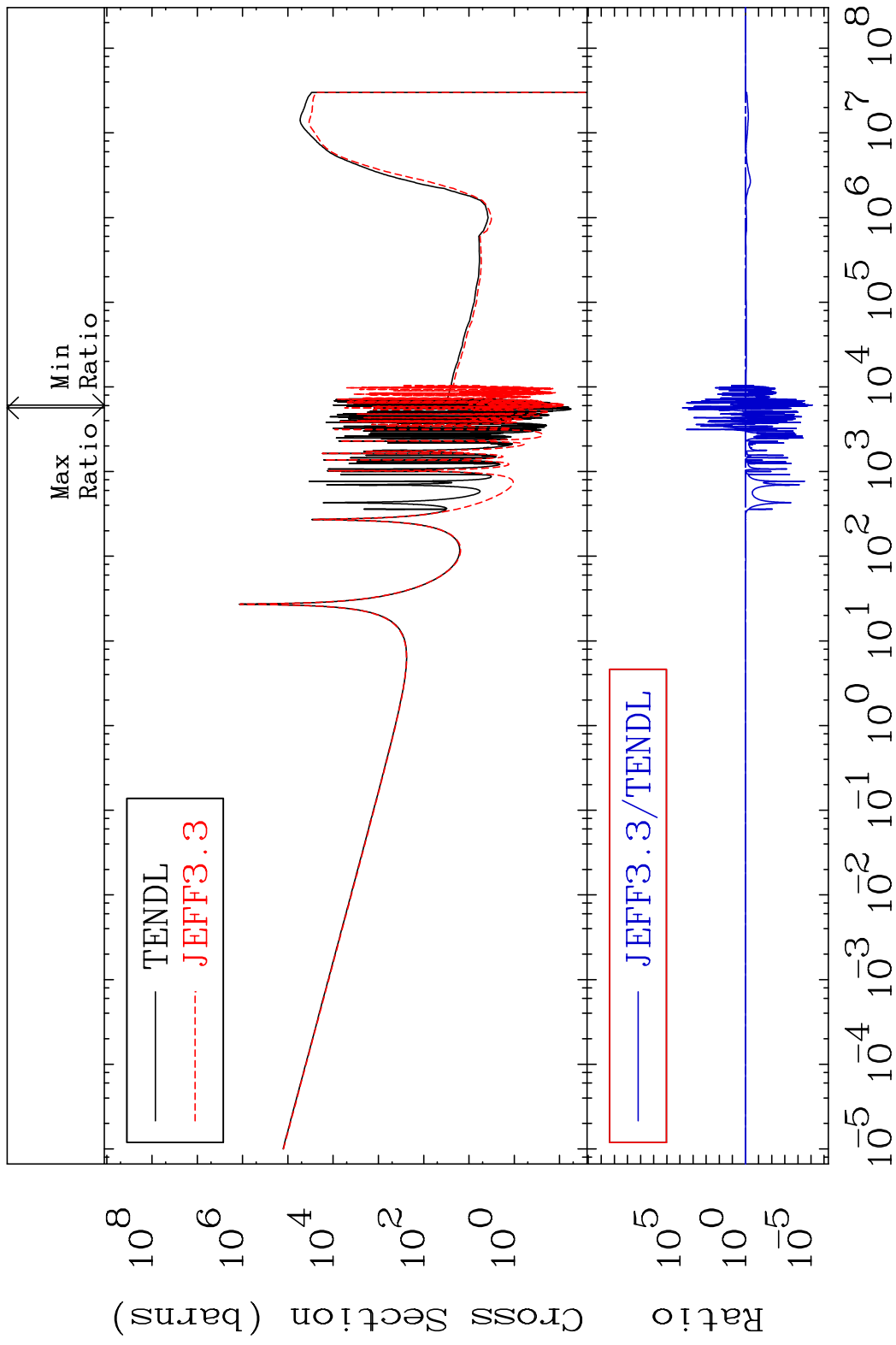
34-Se-74

MAT 3425 Dpa inelastic (mt51-91) 34-Se-74
 Cross Section -10.51 To 41.75 %

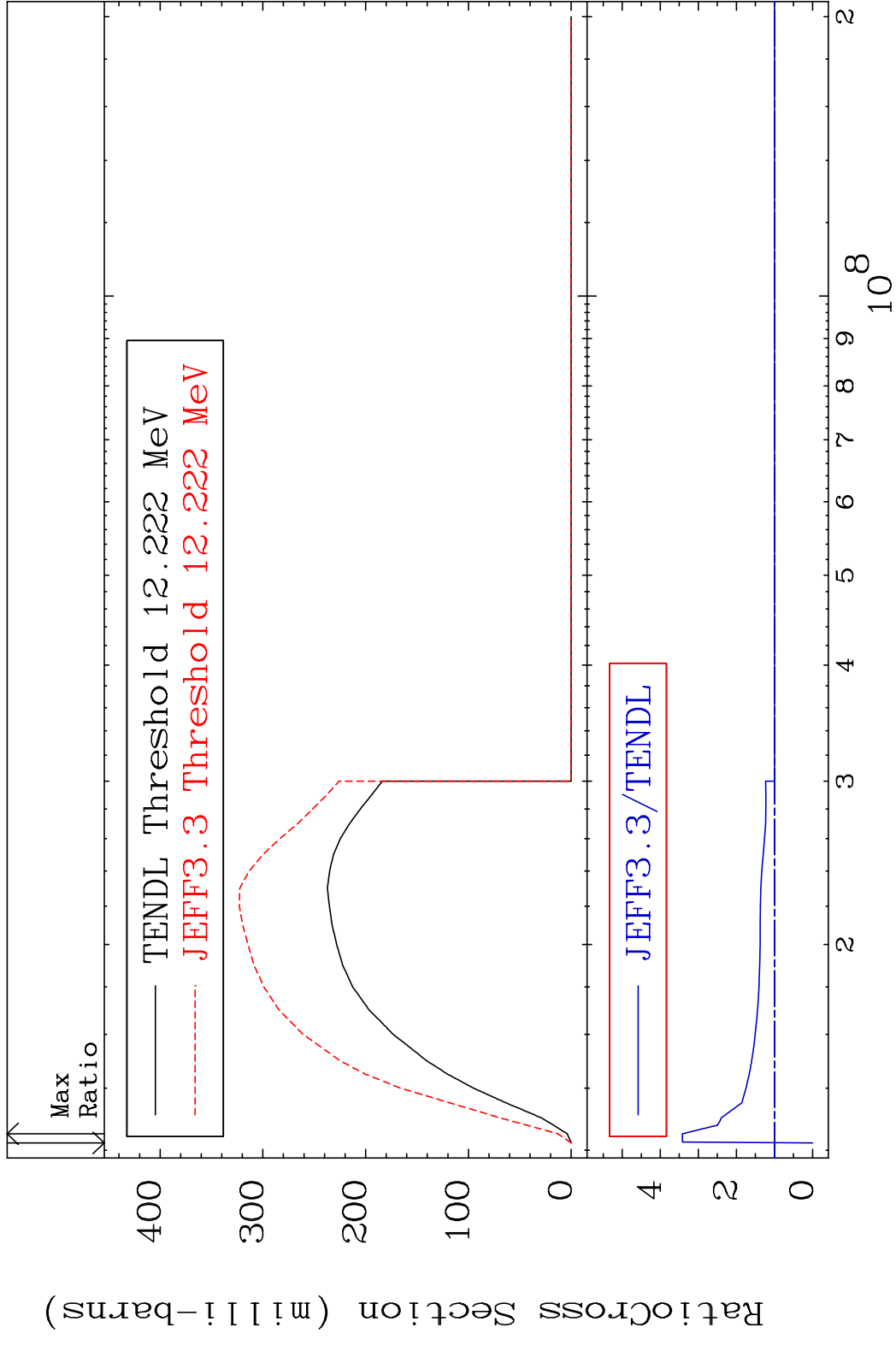


63 Incident Energy (eV) 34-Se-74

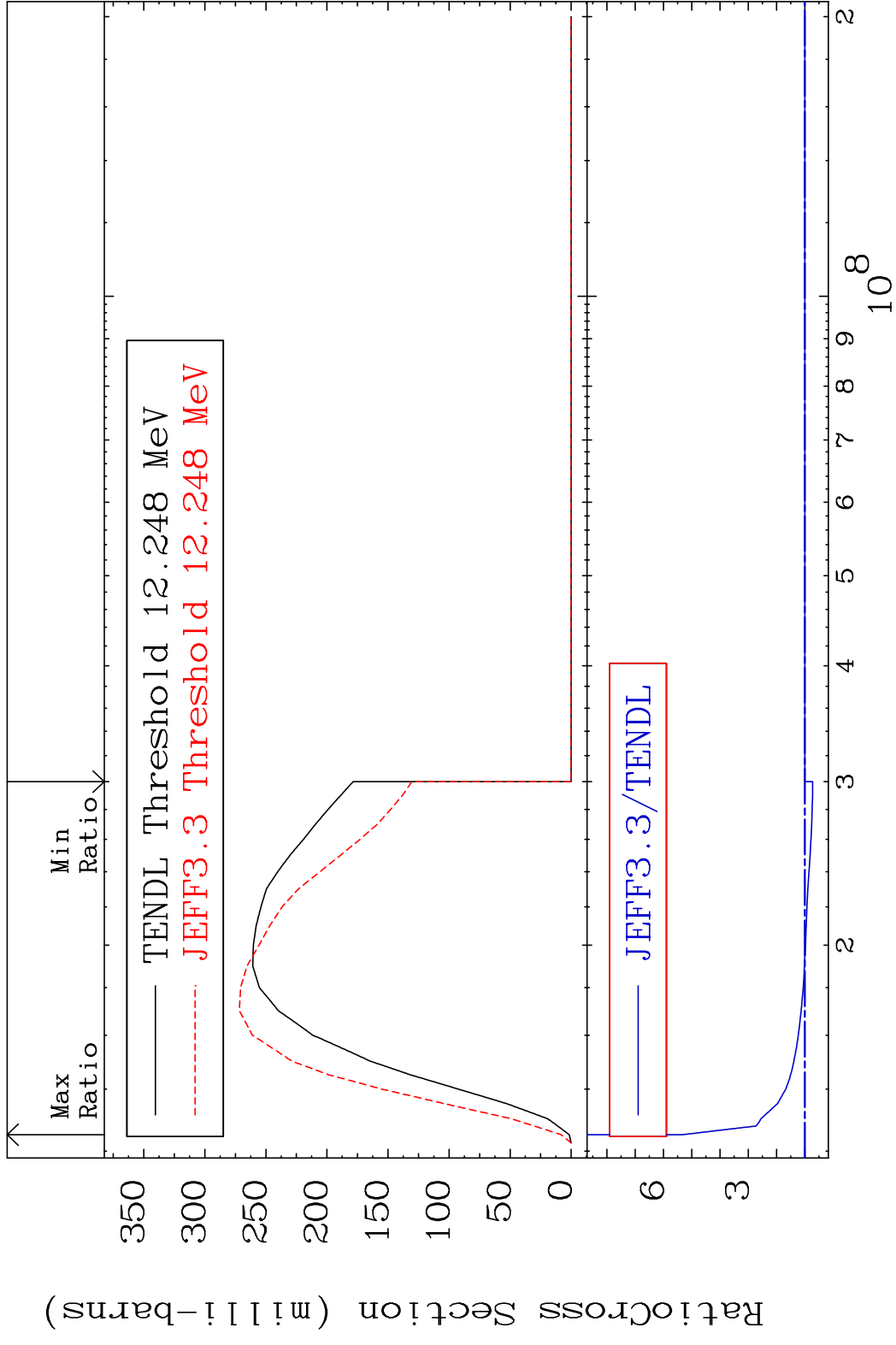
MAT 3425 Dpa disappearance (mt102 -120) 34-Se-74
 Cross Section -100.0 To 9999. %



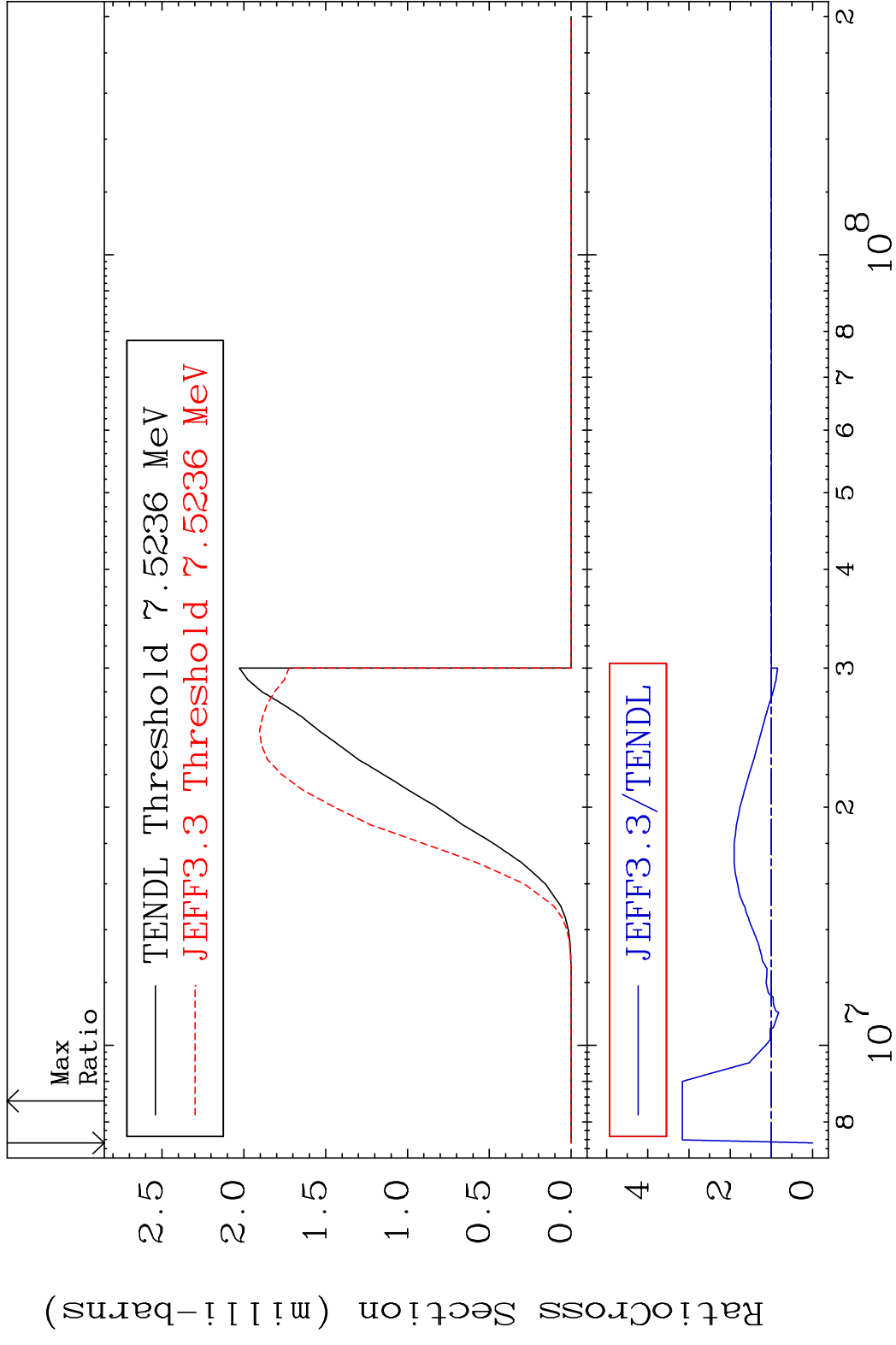
MAT 3425 (n,2n):34-Se-73g 34-Se-74
 Radionuclide Production Cross Section 180.0 dth 242.0 %



MAT 3425 (n,2n):34-Se-73m1 34-Se-74
 Radionuclide Production Cross Section 433.2 %



MAT 3425 (n,2p):32-Ge-73g 34-Se-74
 Radionuclide Production Cross Section 180.0 dtho 216.2 %



MAT 3425 (n,2p):32-Ge-73m2 34-Se-74
 Radionuclide Production Cross Section 180.0 dth 350.8 %

