

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

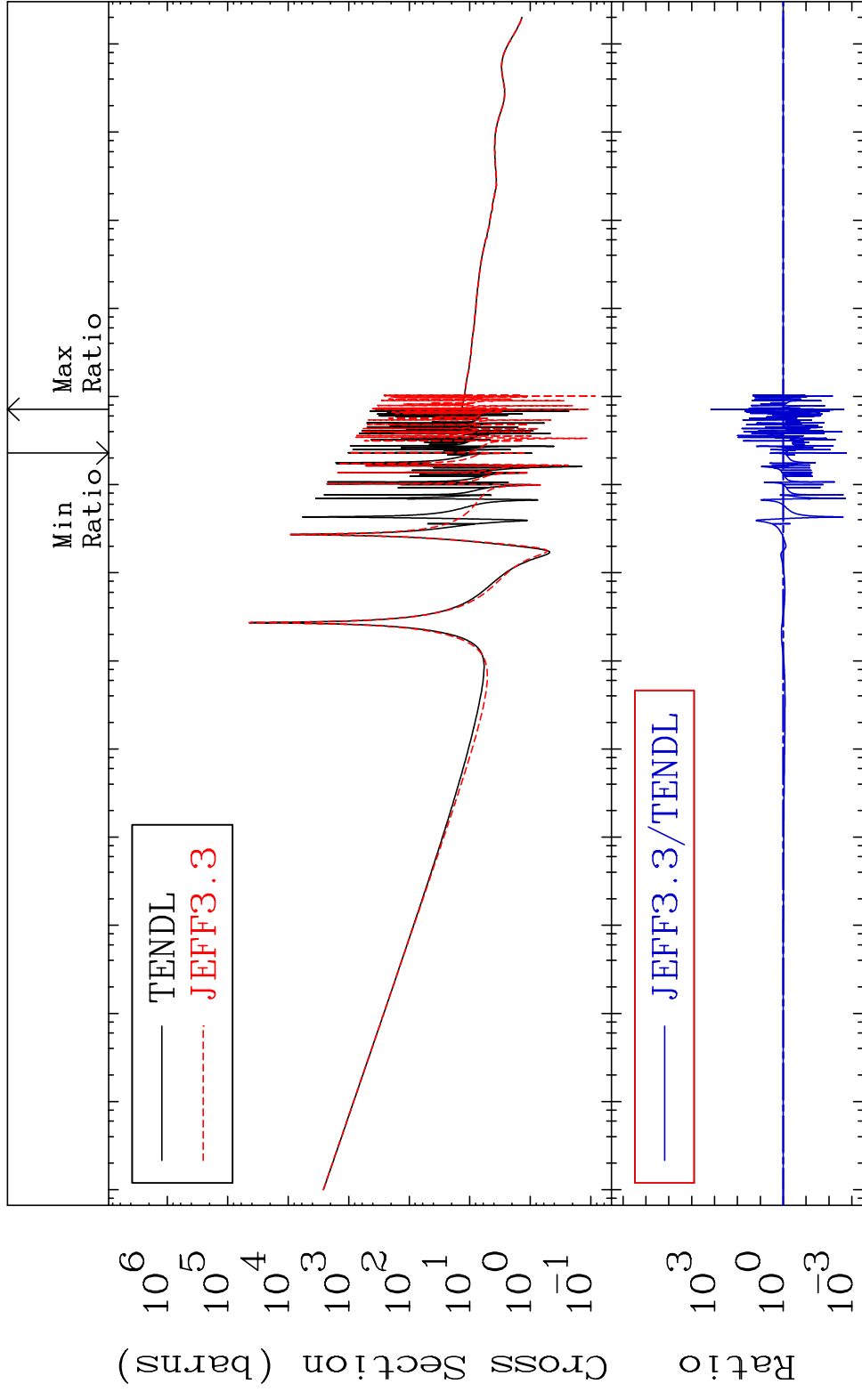
Press Mouse Button to Start

MAT 3425

34-Se-74

Total

Cross Section -99.83 To 9999. %



1

Incident Energy (eV)

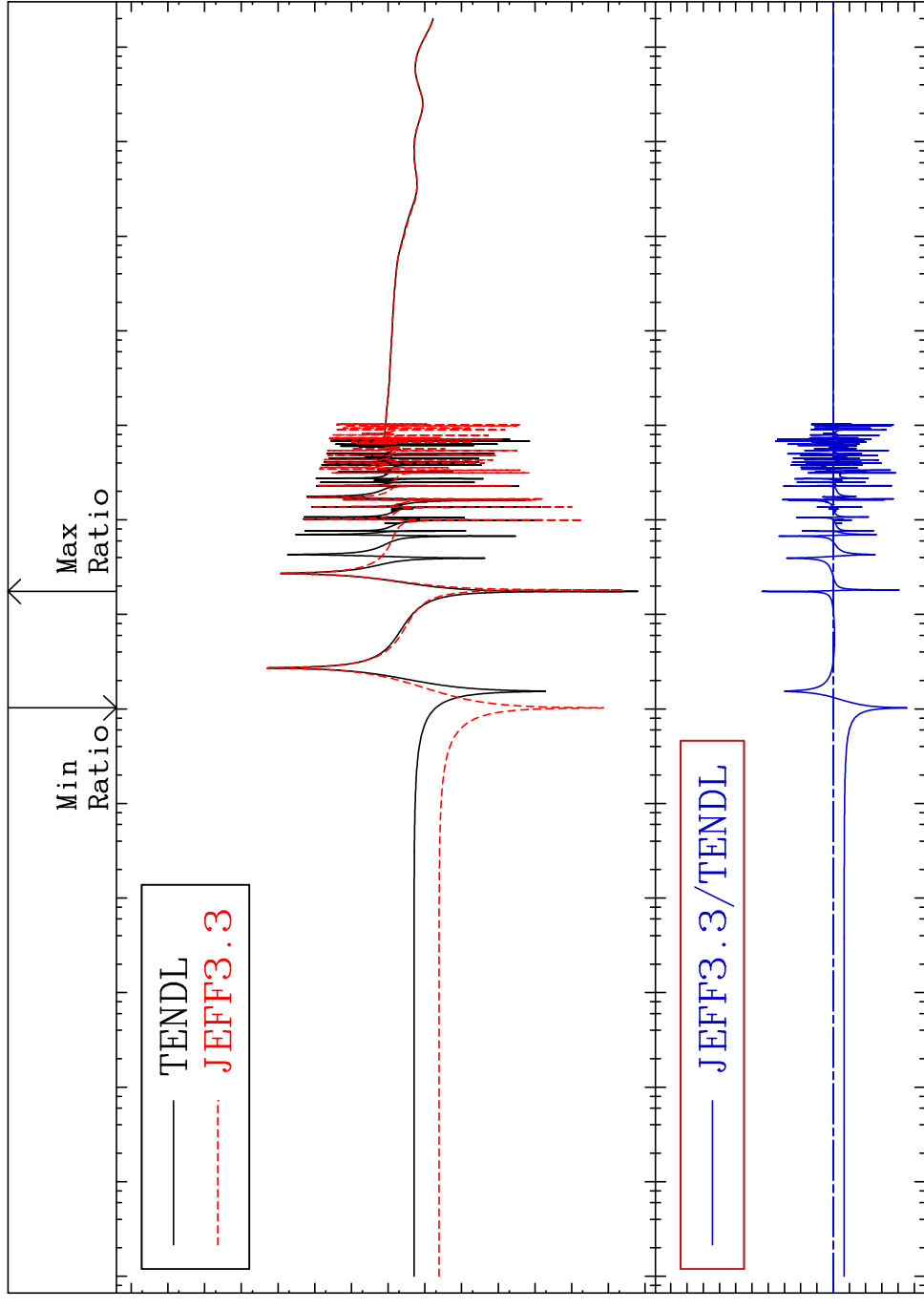
34-Se-74

MAT 3425

34-Se-74

Elastic

Cross Section -100.0 To 9999. %

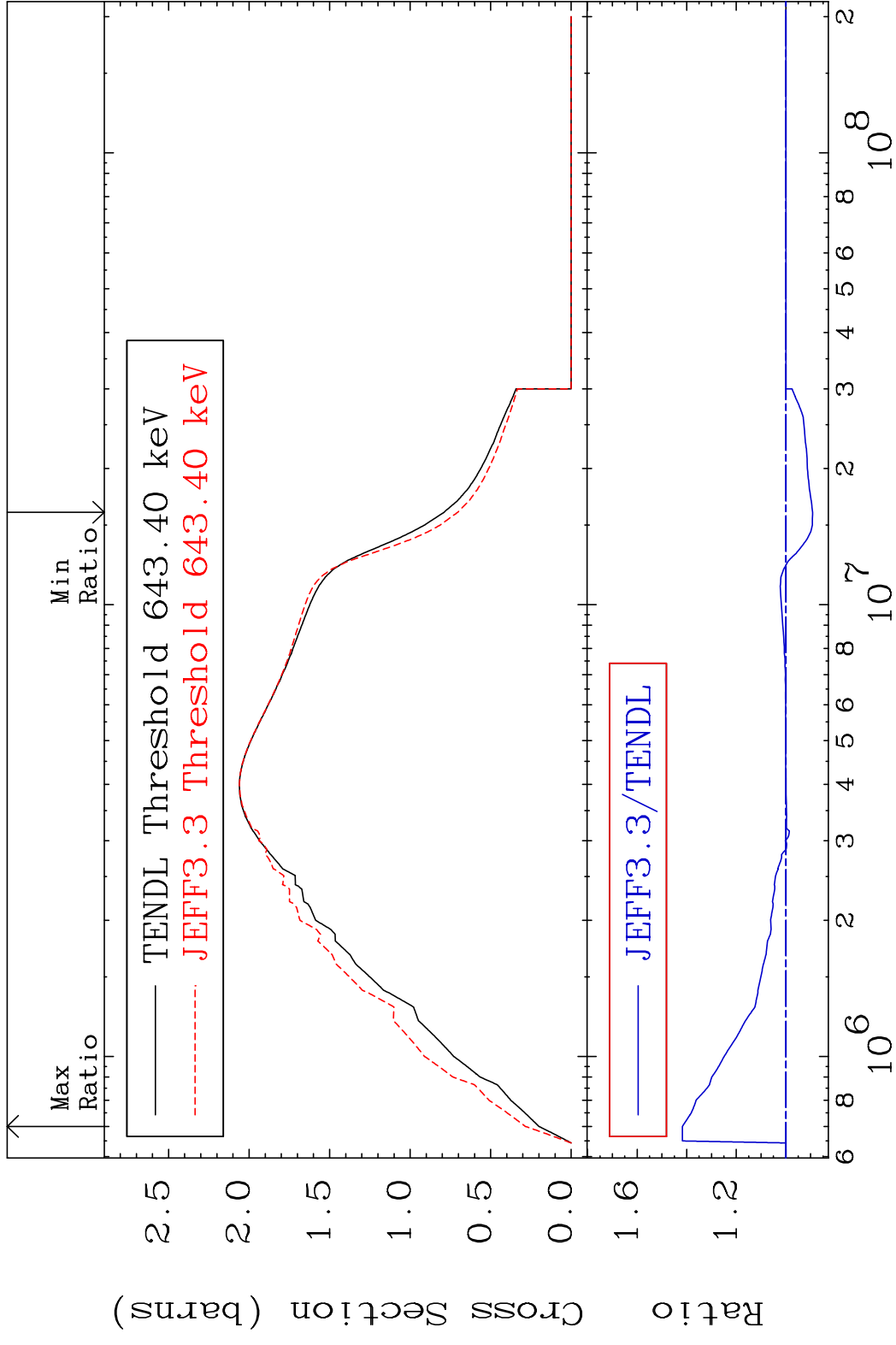


2

Incident Energy (eV)

34-Se-74

MAT 3425 Inelastic 34-Se-74
 Cross Section -10.78 To 41.76 %



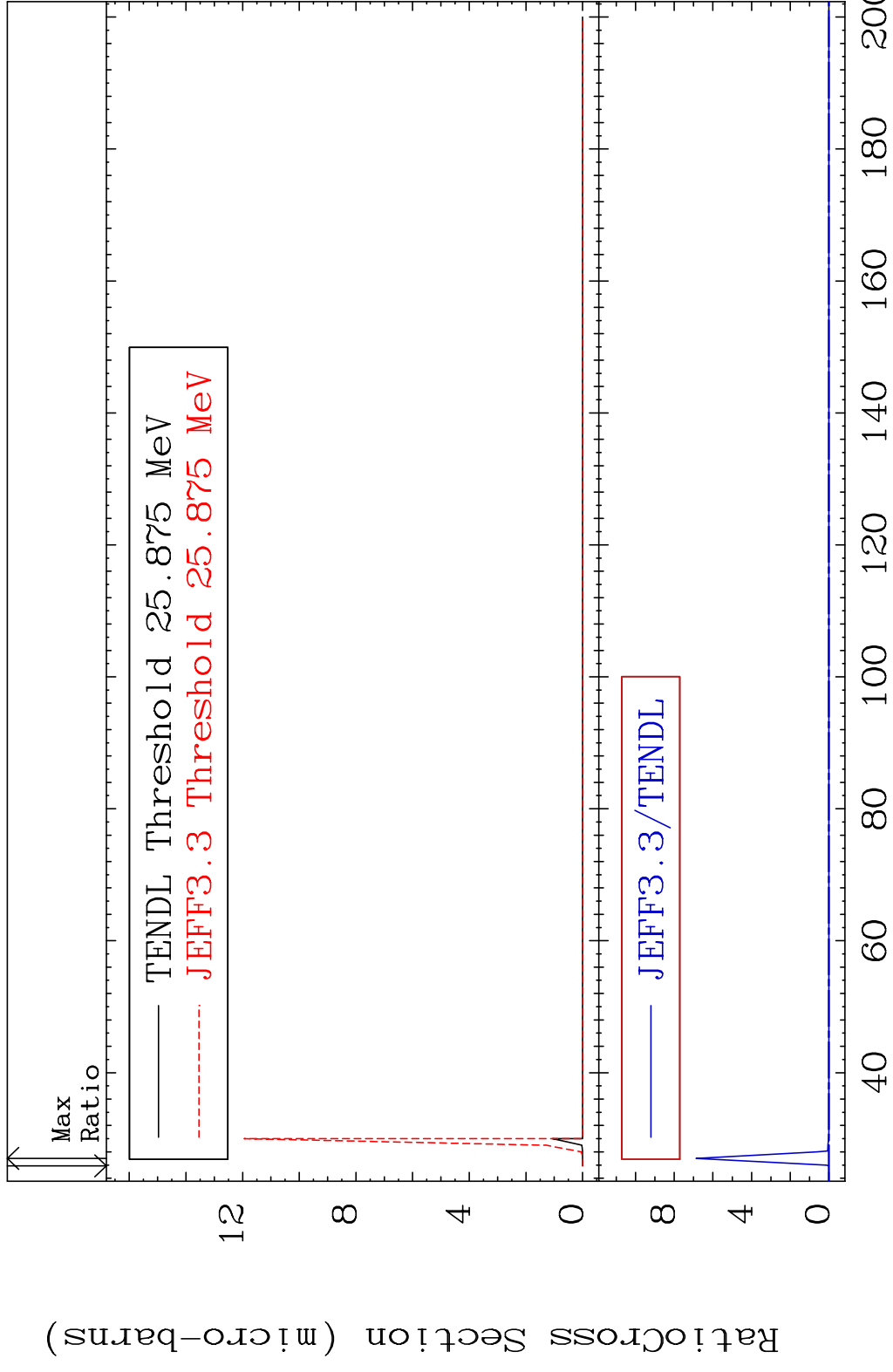
3 34-Se-74

MAT 3425

(n,2n) d

³⁴Se-74

Cross Section -100.0 To 9999. %



4

Incident Energy (MeV)

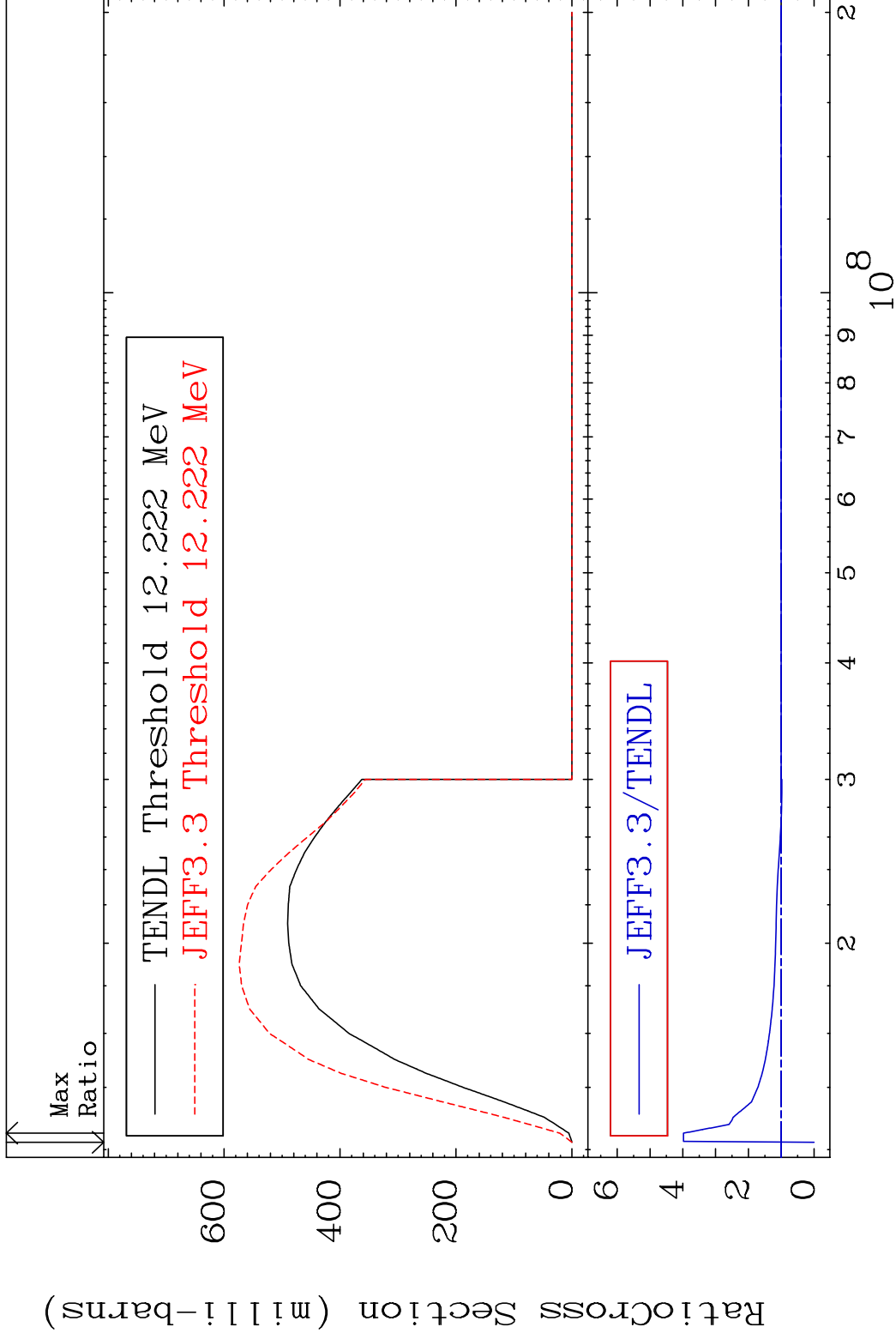
³⁴Se-74

MAT 3425

(n,2n)

34-Se-74

Cross Section -100.0 To 298.0 %



5

Incident Energy (eV)

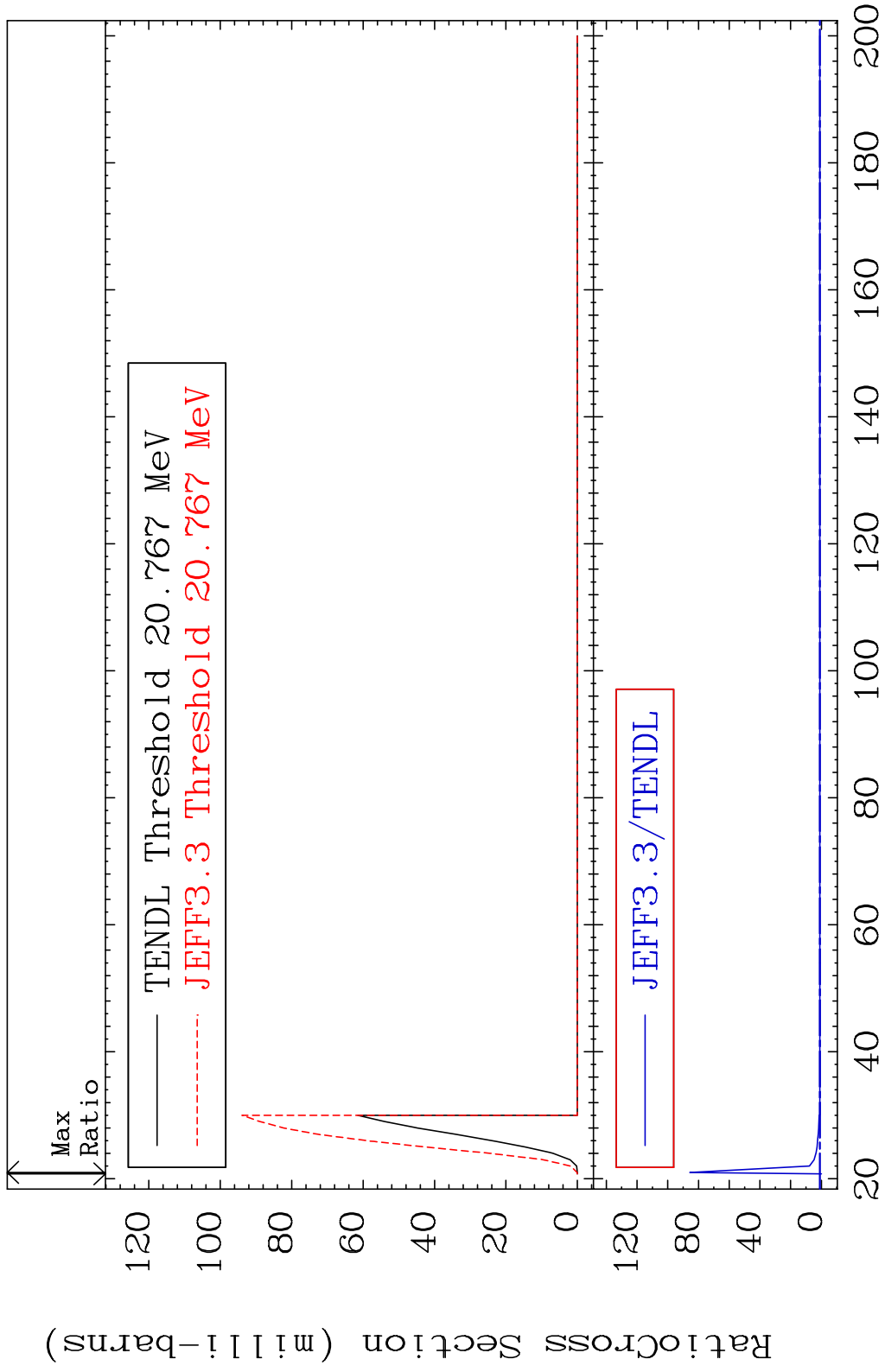
34-Se-74

MAT 3425

(n,3n)

34-Se-74

Cross Section -100.0 To 8466. %

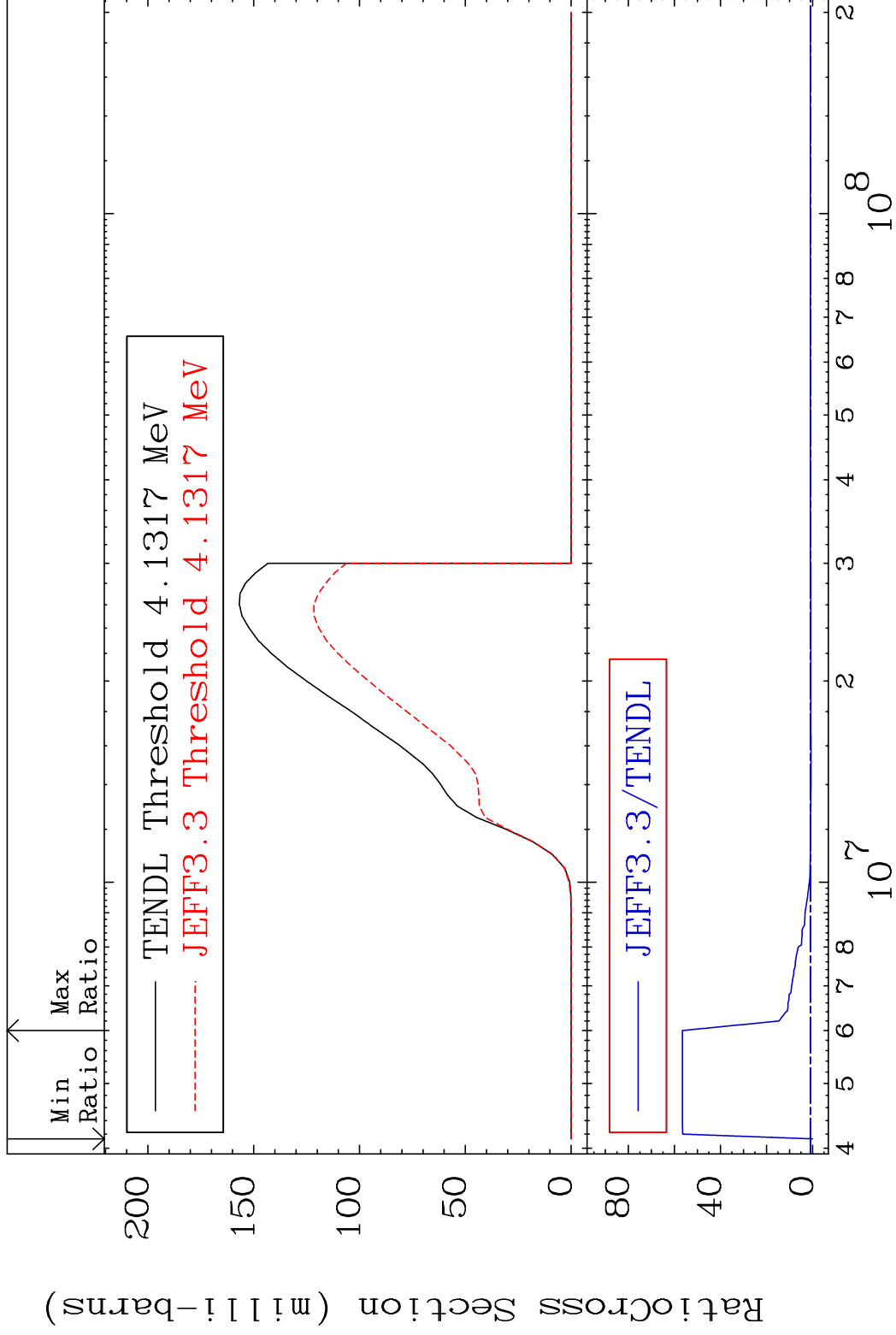


MAT 3425

(n, n') α

³⁴Se-74

Cross Section -100.0 To 5555. %



7

Incident Energy (eV)

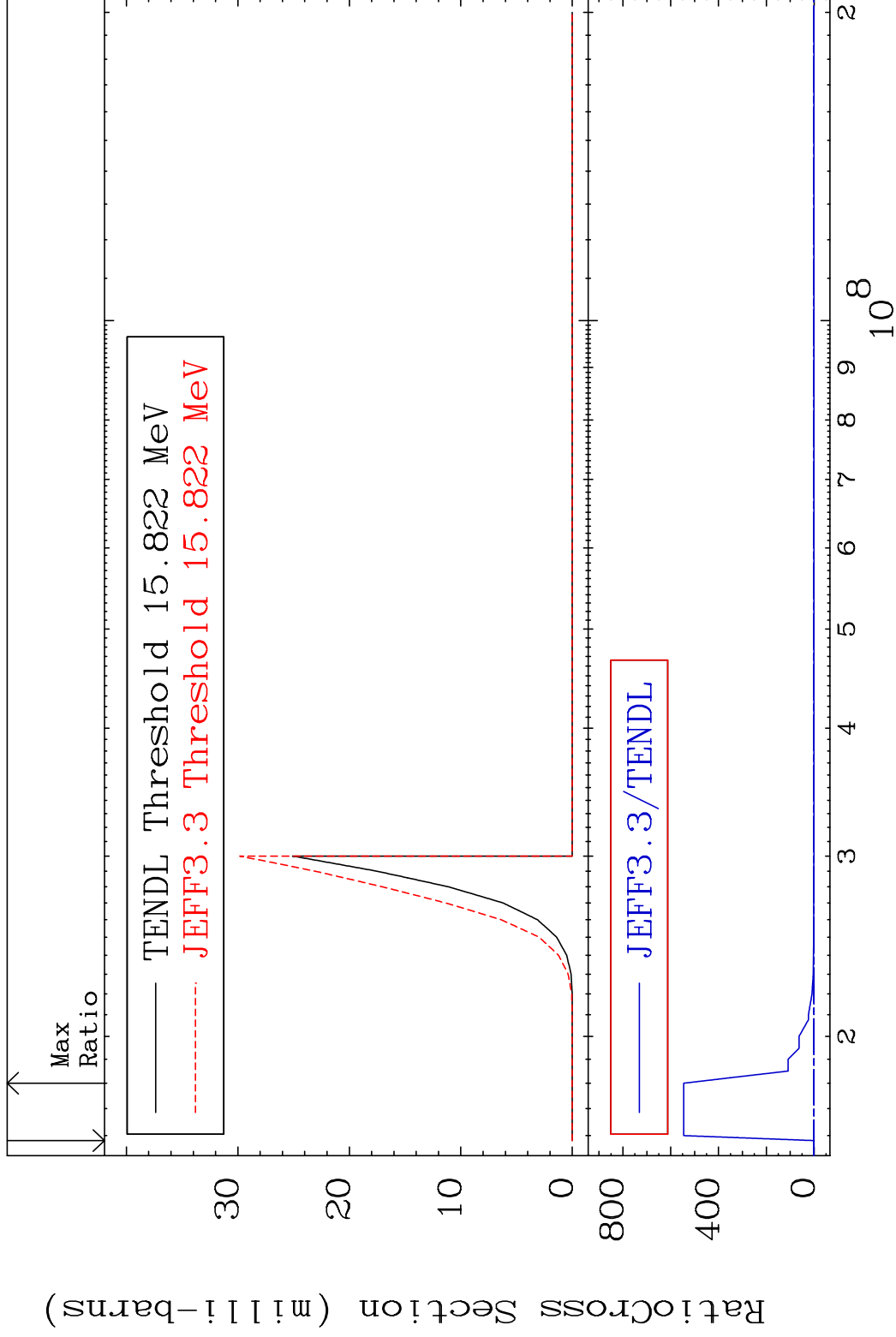
³⁴Se-74

MAT 3425

(n,2n) α

³⁴Se-74

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

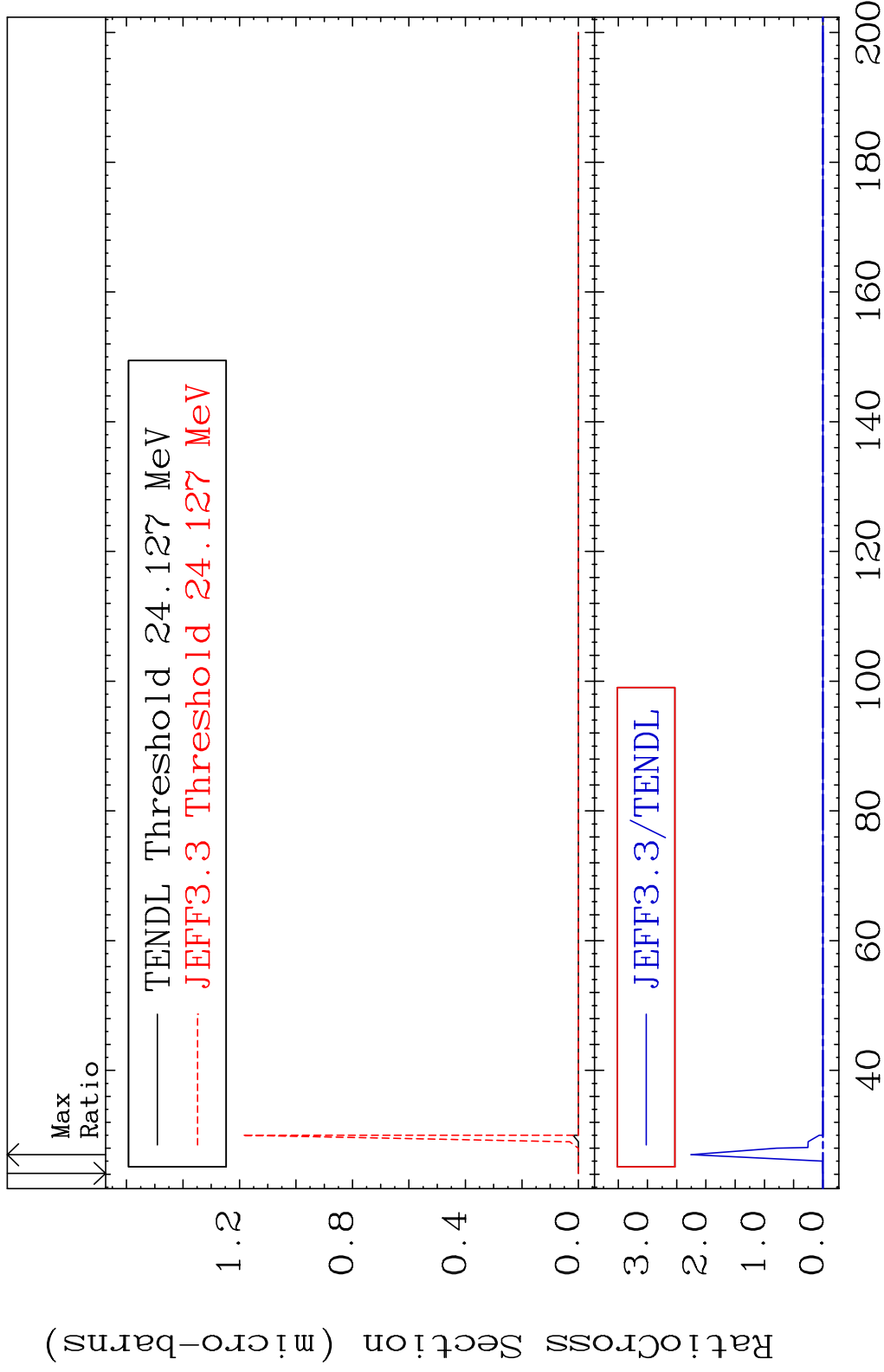
³⁴Se-74

MAT 3425

(n,3n) α

34-Se-74

Cross Section -100.0 To 9999. %

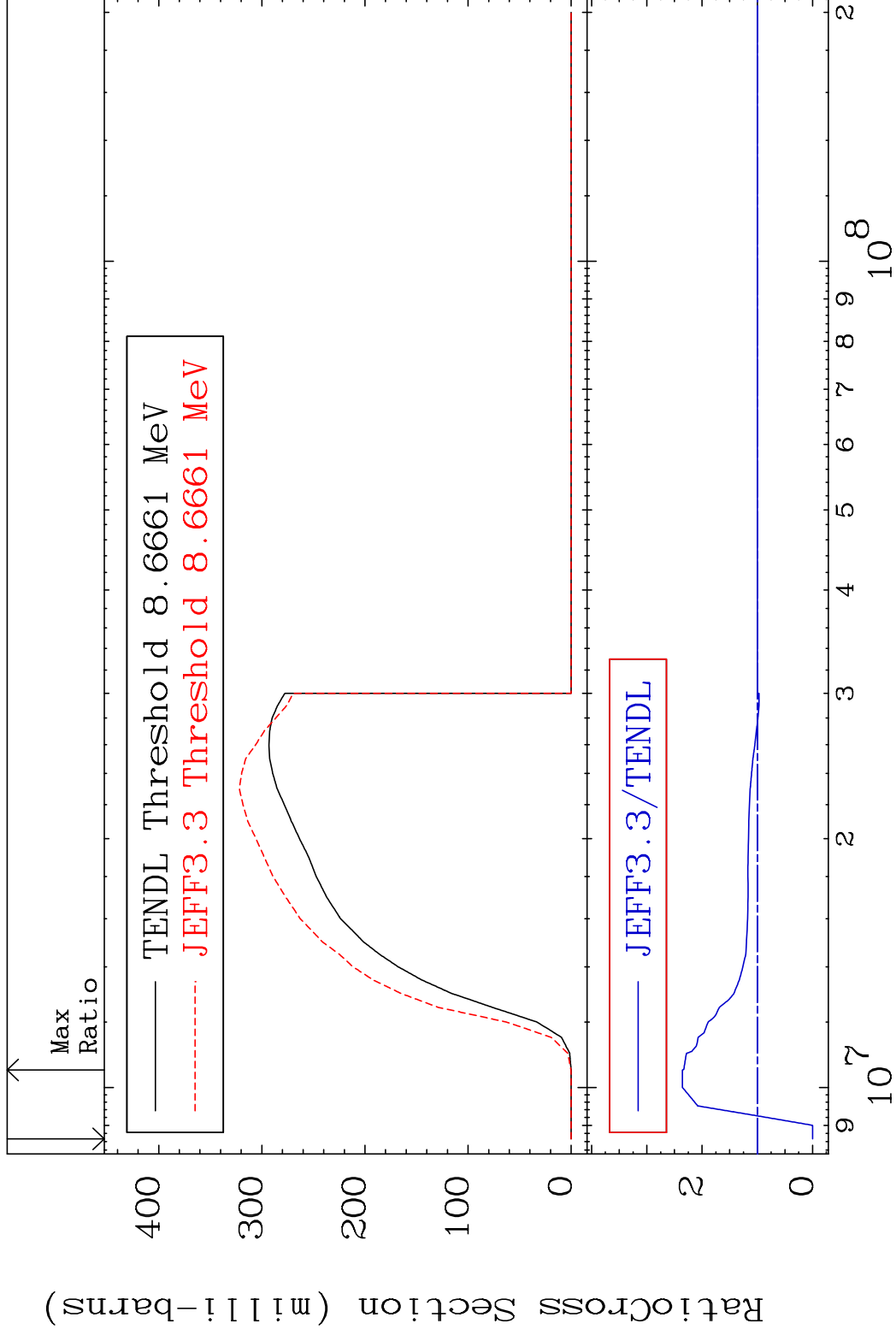


MAT 3425

(n, n') p

³⁴Se-74

Cross Section -100.0 To 135.7 %

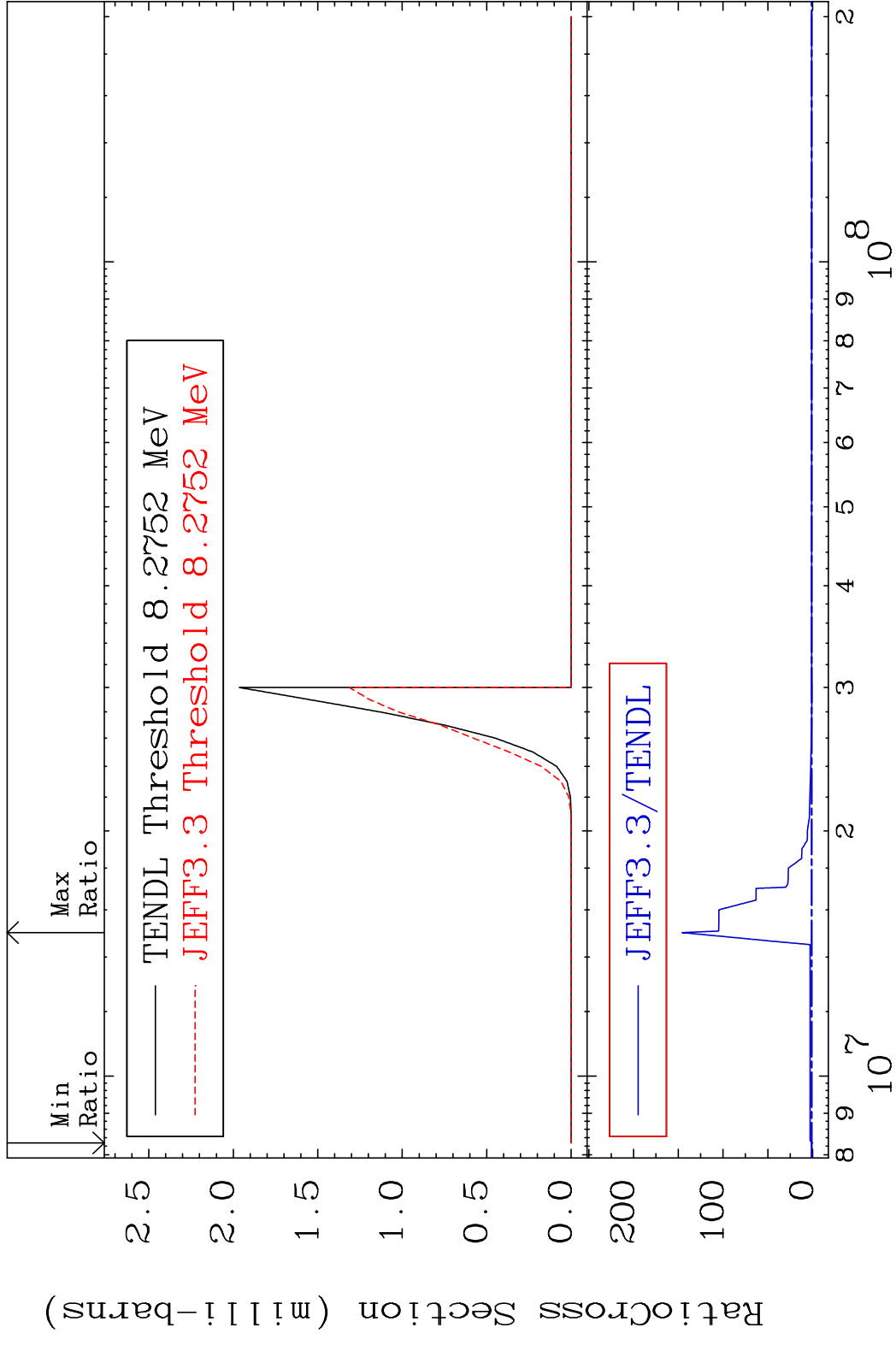


10

Incident Energy (eV)

³⁴Se-74

MAT 3425 (n, n') 2α 34-Se-74
 Cross Section -100.0 To 9999. %

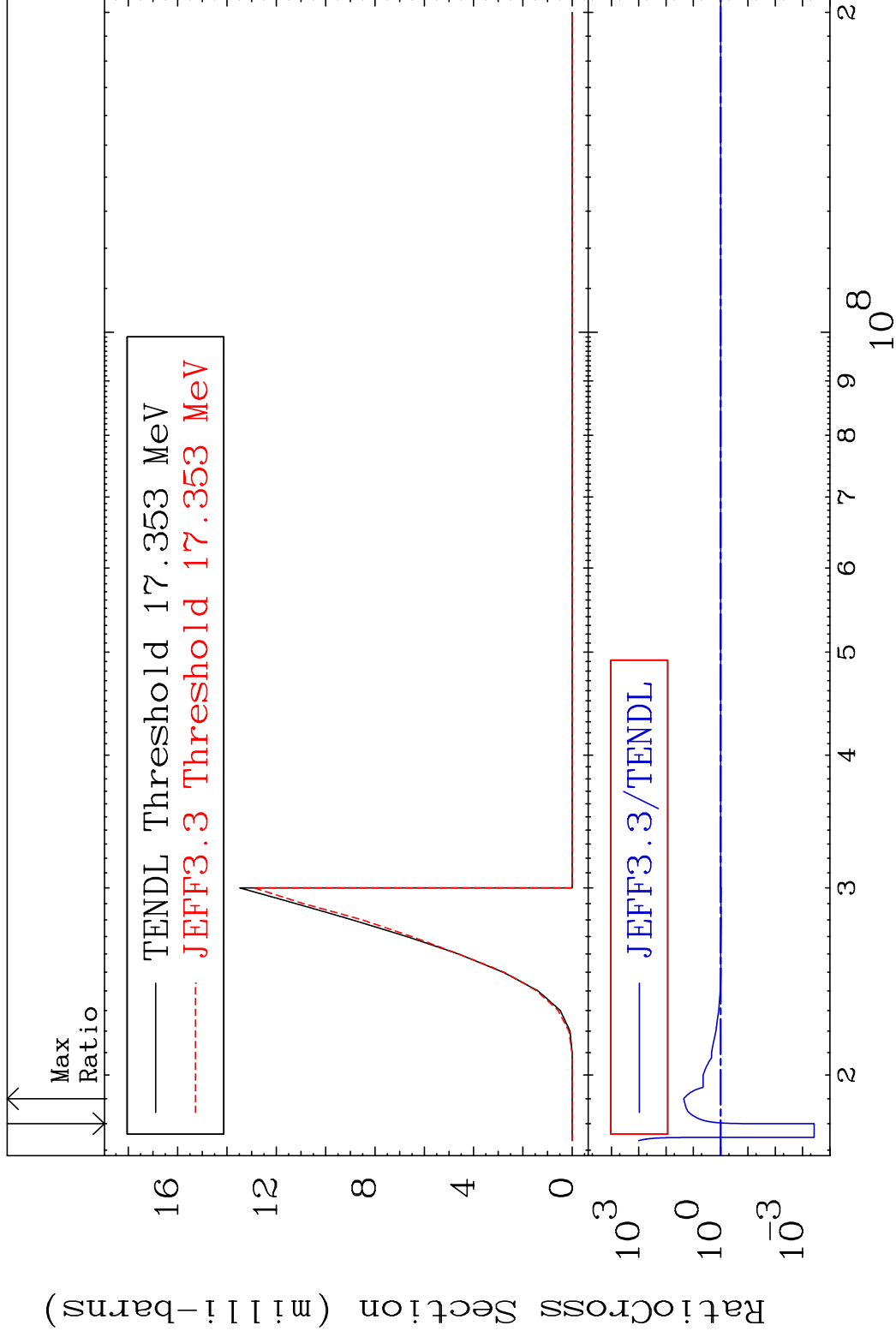


MAT 3425

(n, n') d

34-Se-74

Cross Section -99.96 To 2169. %



12

Incident Energy (eV)

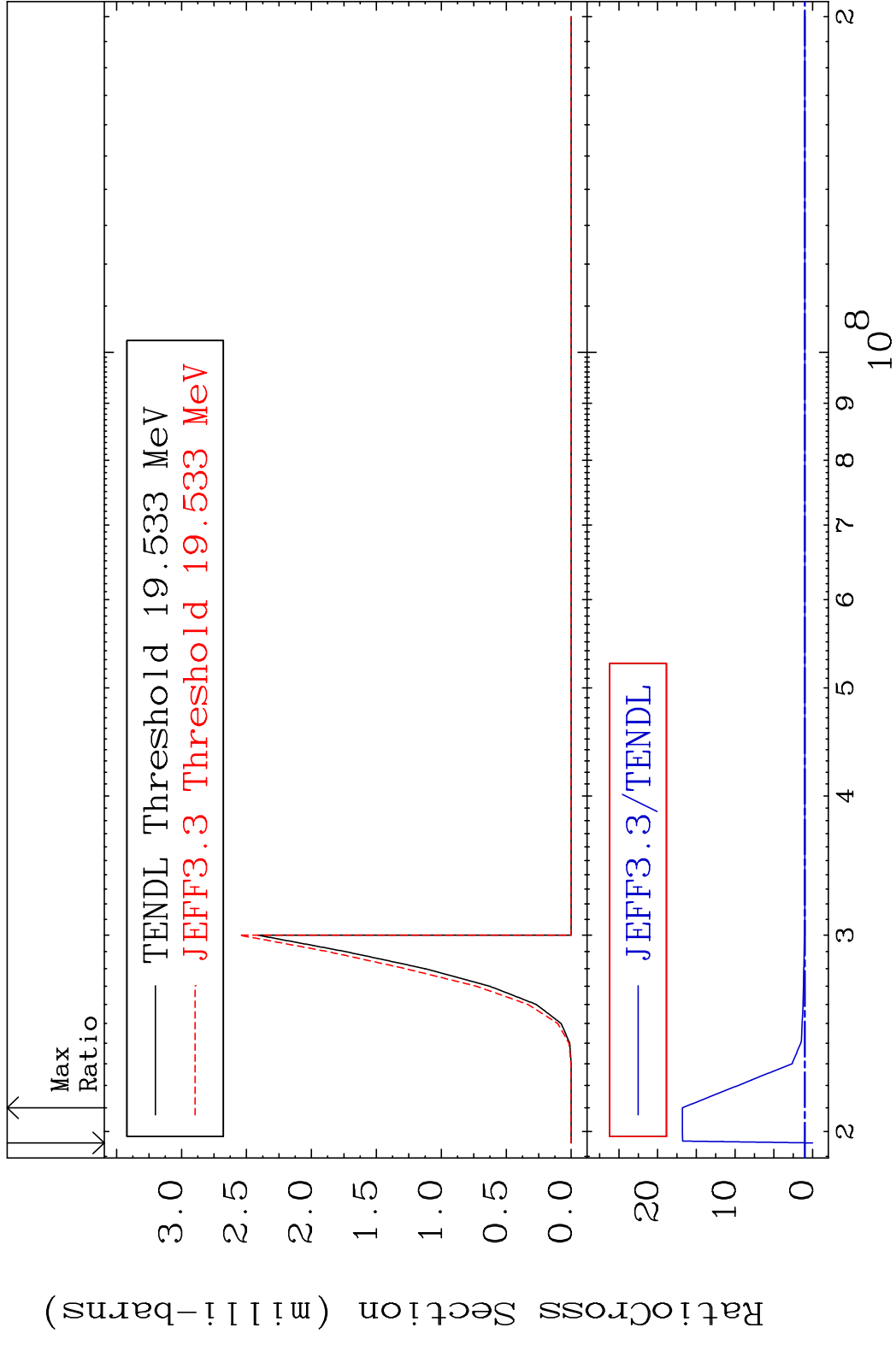
34-Se-74

MAT 3425

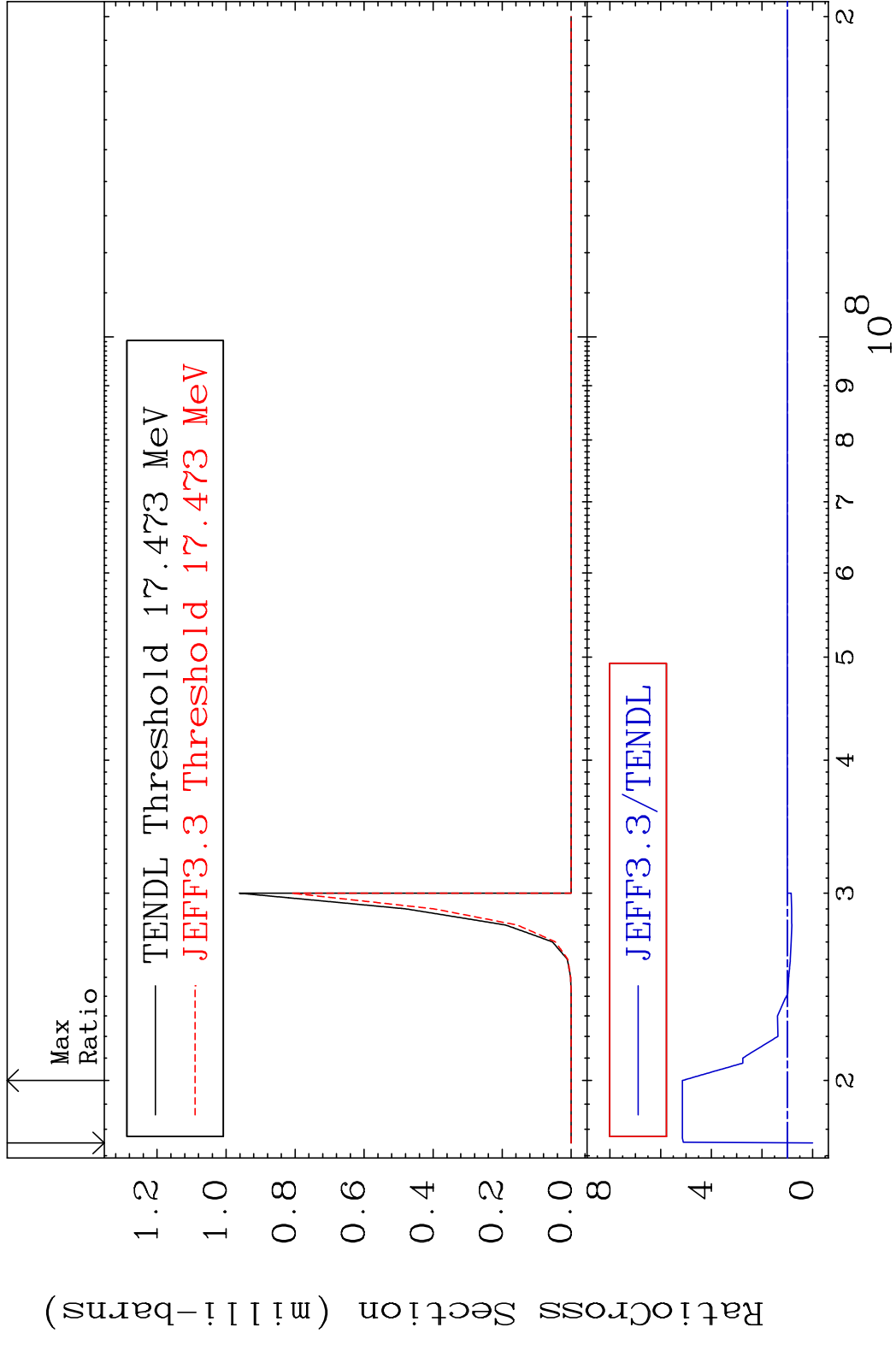
(n, n') t

34-Se-74

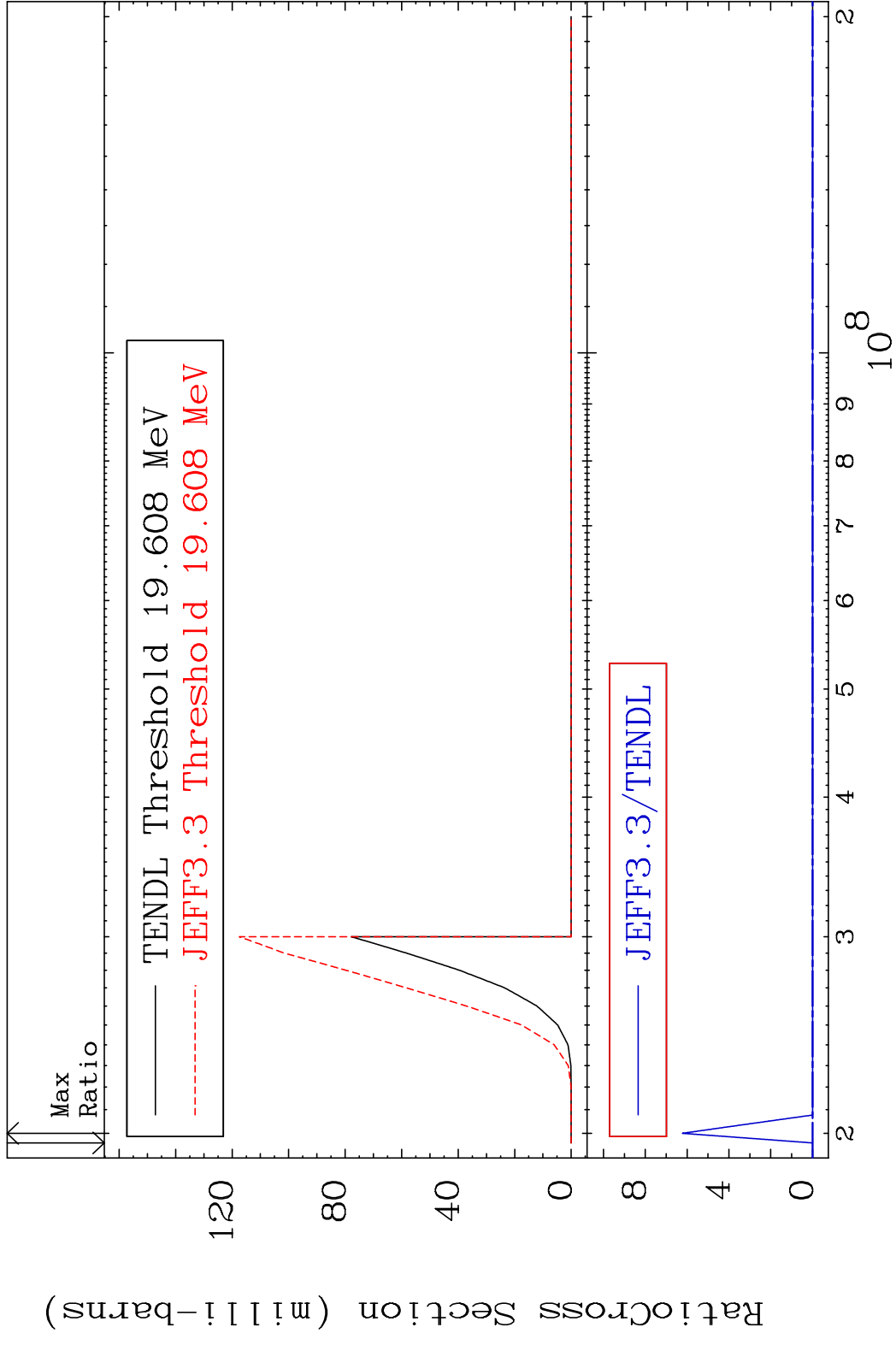
Cross Section -100.0 To 1581. %



MAT 3425 (n,n') He-3 34-Se-74
 Cross Section -100.0 To 414.2 %



MAT 3425 (n,2n) p 34-Se-74
 Cross Section -100.0 To 9999. %



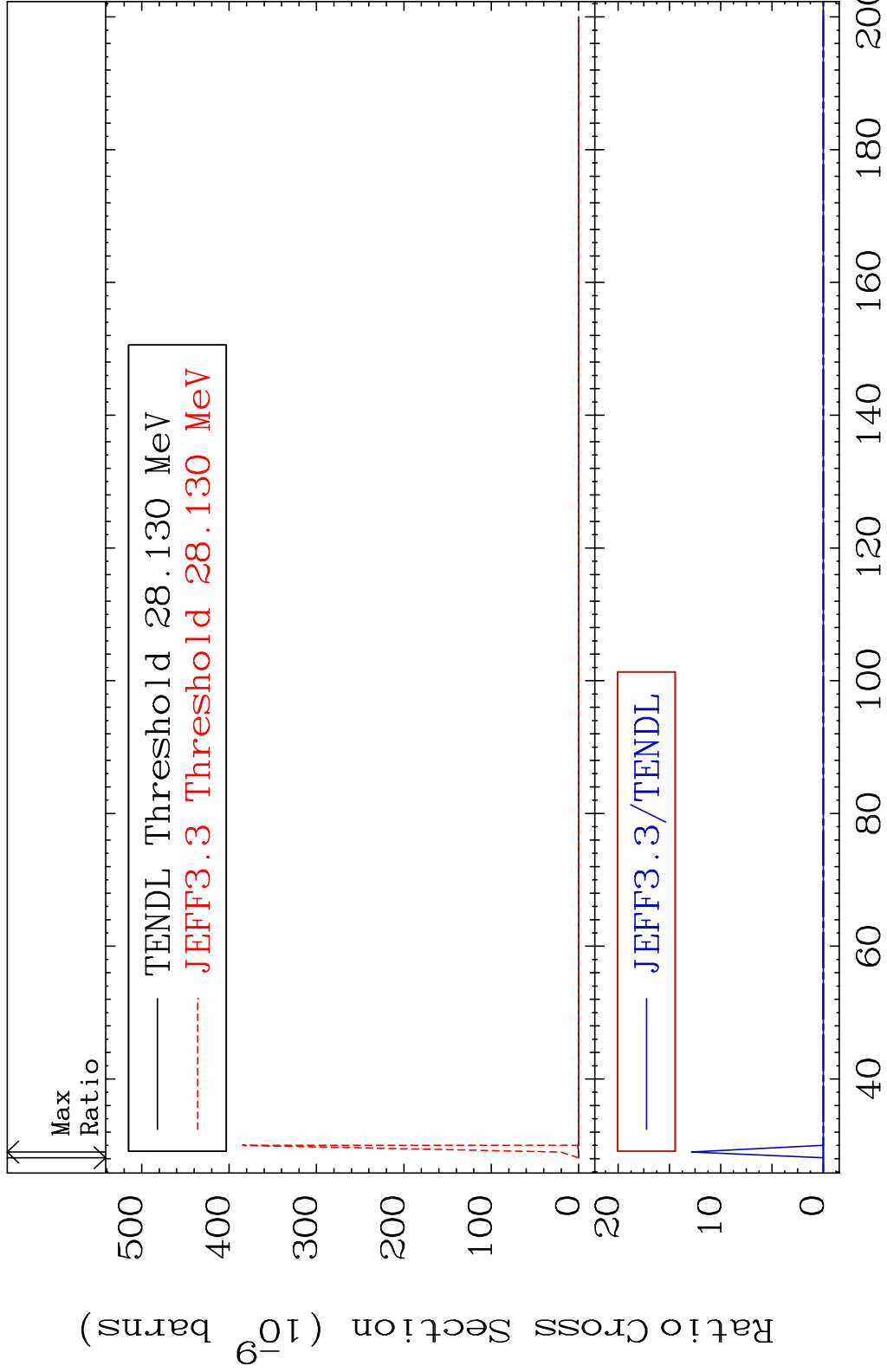
15 Incident Energy (eV) 34-Se-74

MAT 3425

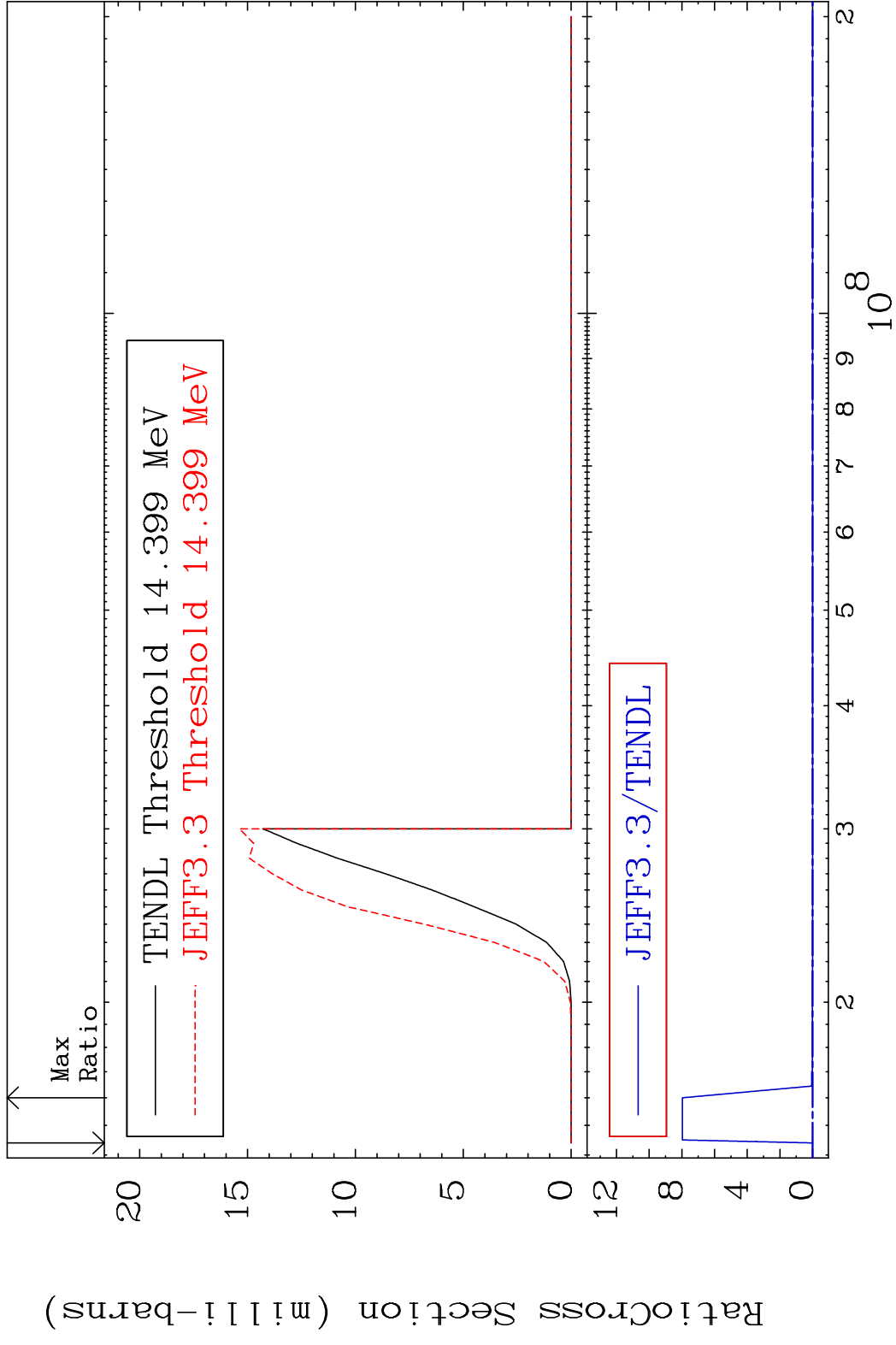
(n,3n) p

34-Se-74

Cross Section -100.0 To 9999. %



MAT 3425 (n,2n) p 34-Se-74
 Cross Section -100.0 To 9999. %

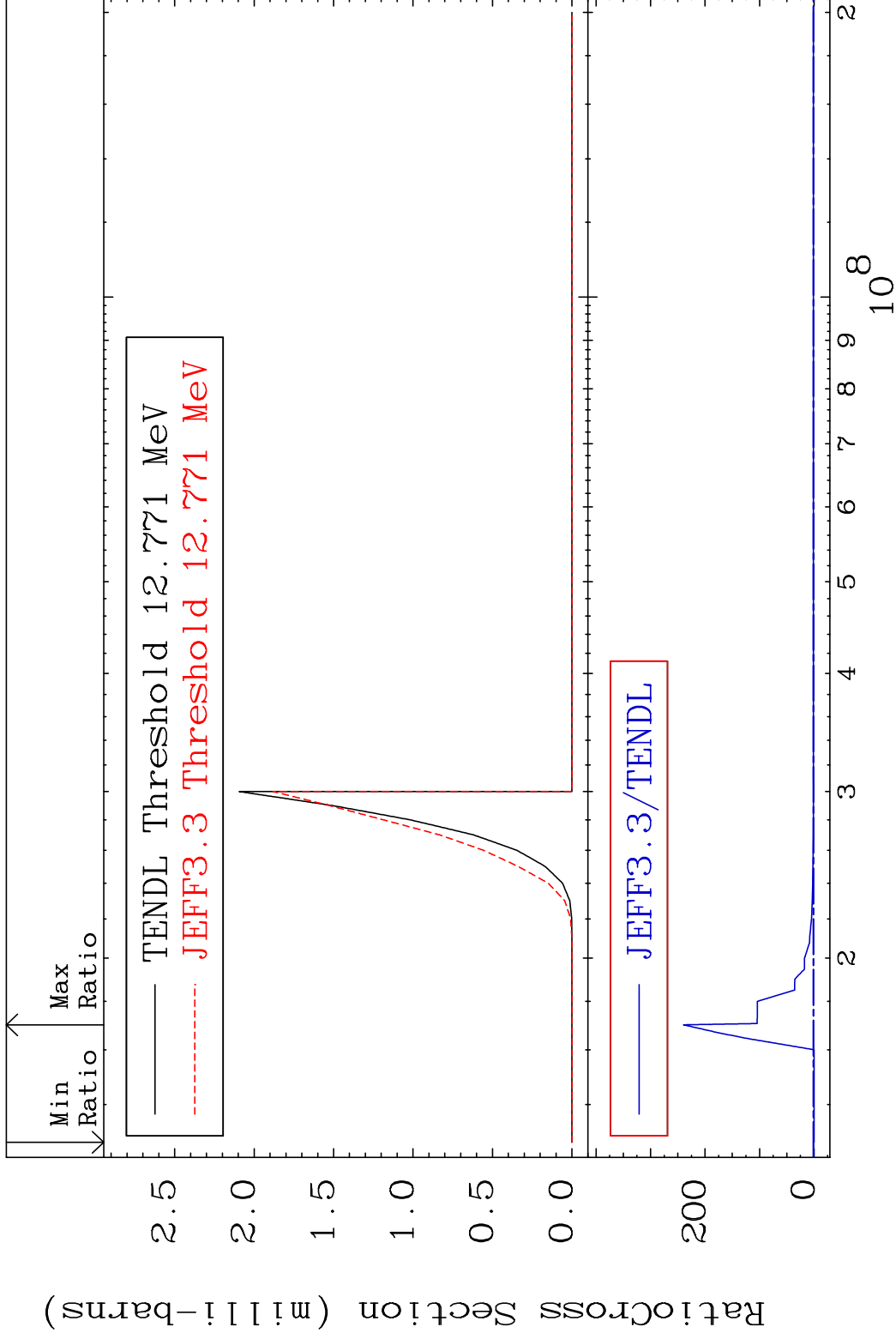


MAT 3425

(n,n') p α

34-Se-74

Cross Section -100.0 To 9999. %

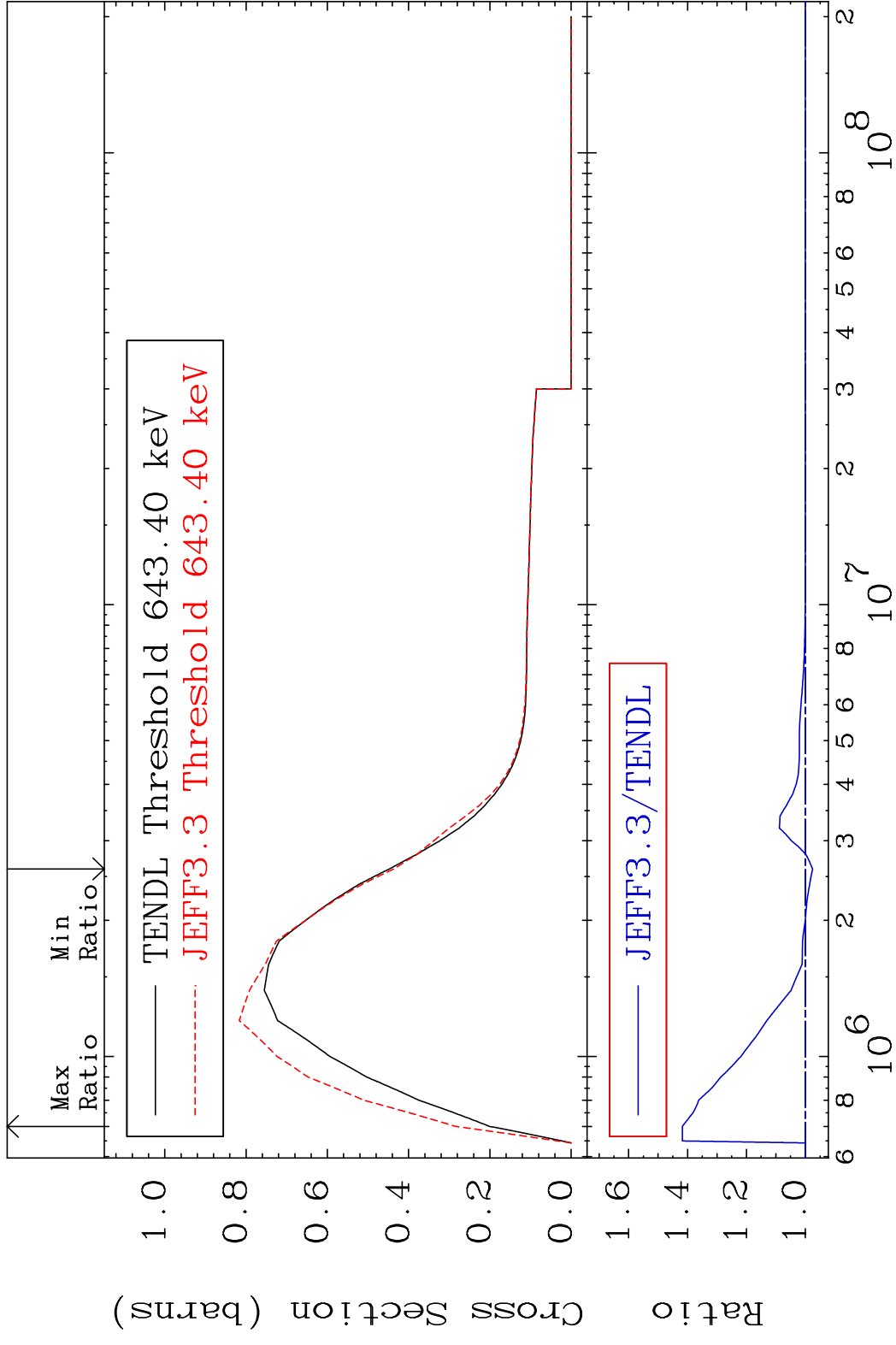


18

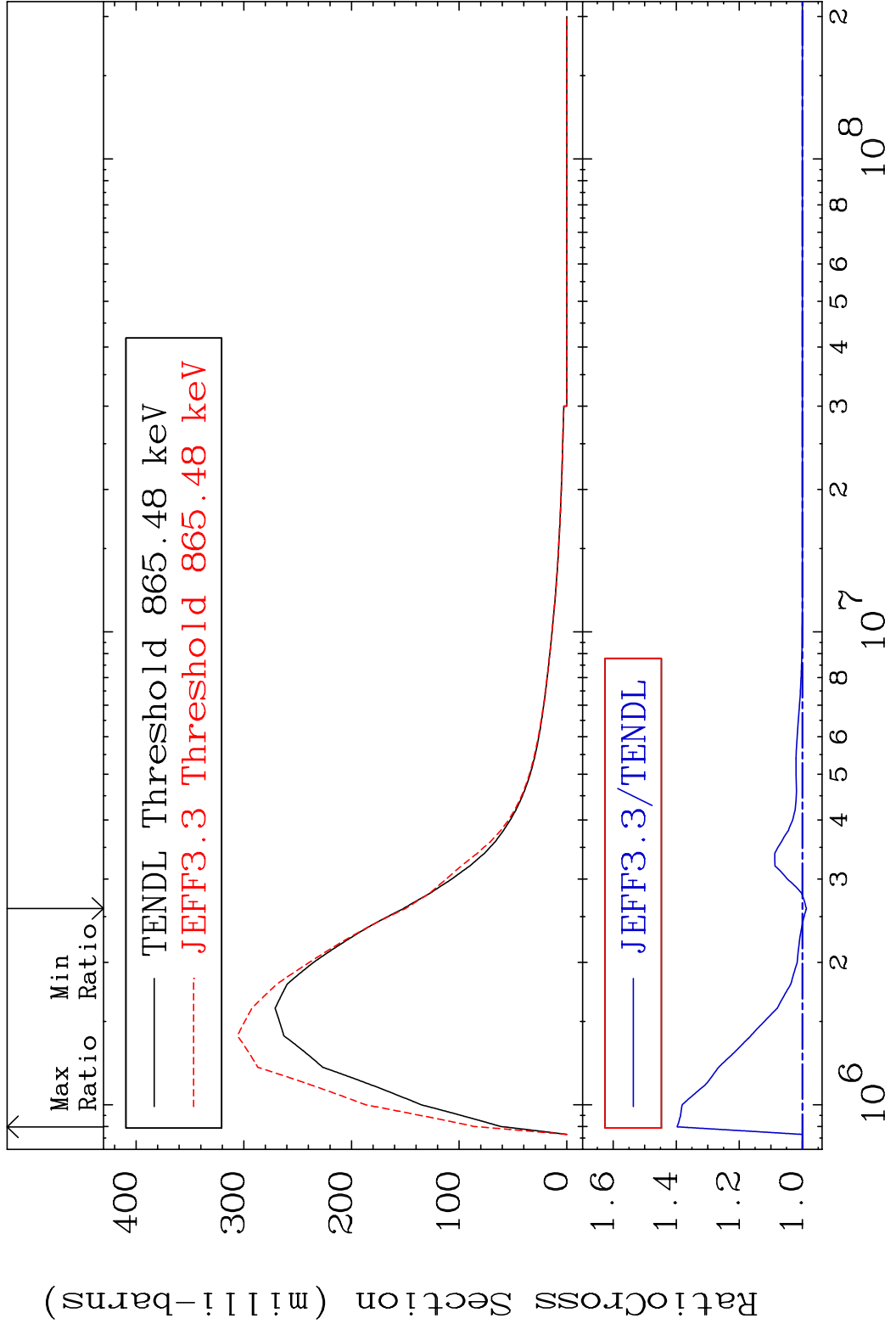
Incident Energy (eV)

34-Se-74

MAT 3425 MT= 51 (n,n') Level 34-Se-74
 Cross Section -2.465 To 41.76 %

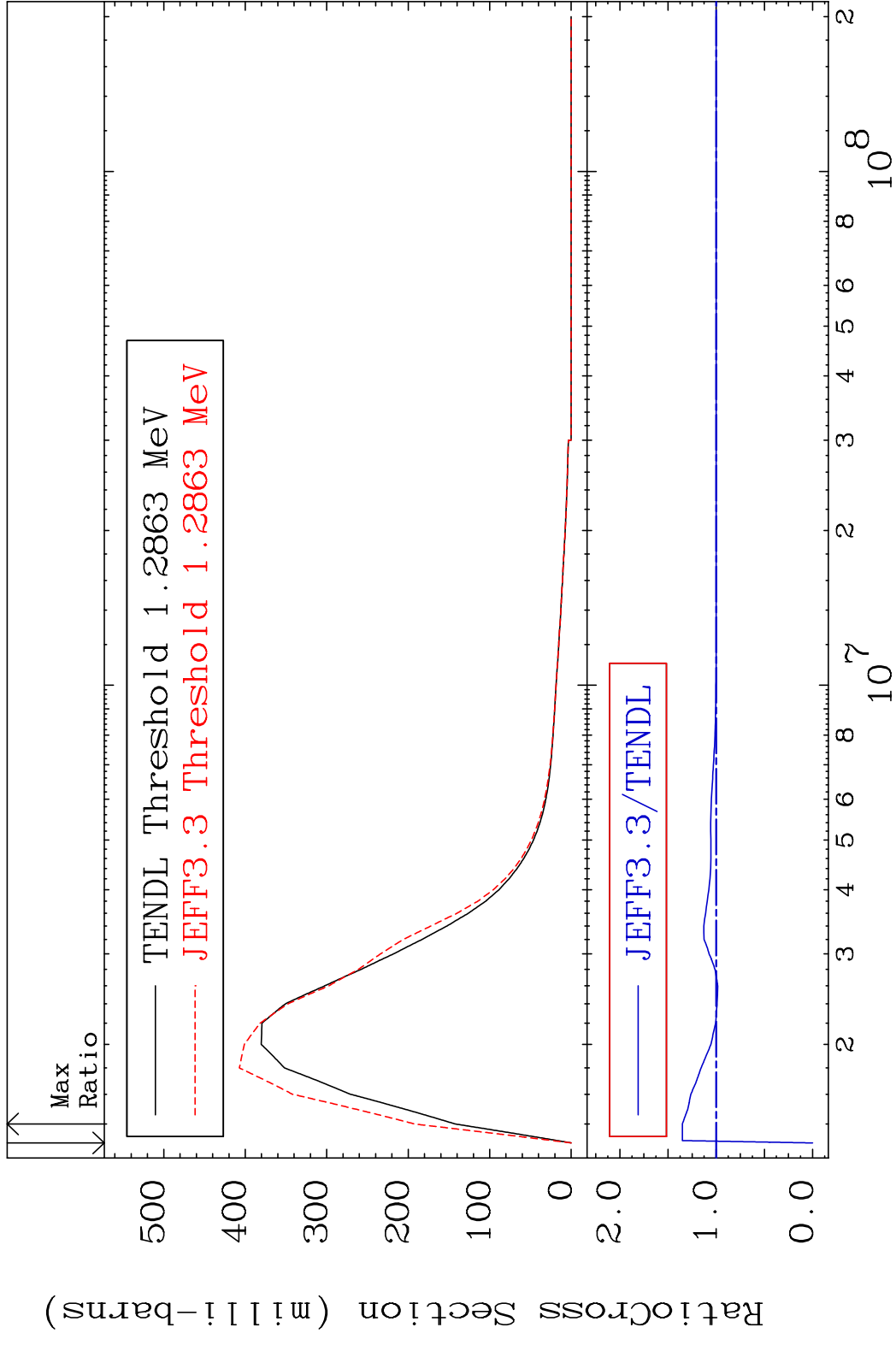


MAT 3425 MT= 52 (n,n') Level 34-Se-74
 Cross Section -1.264 To 39.71 %

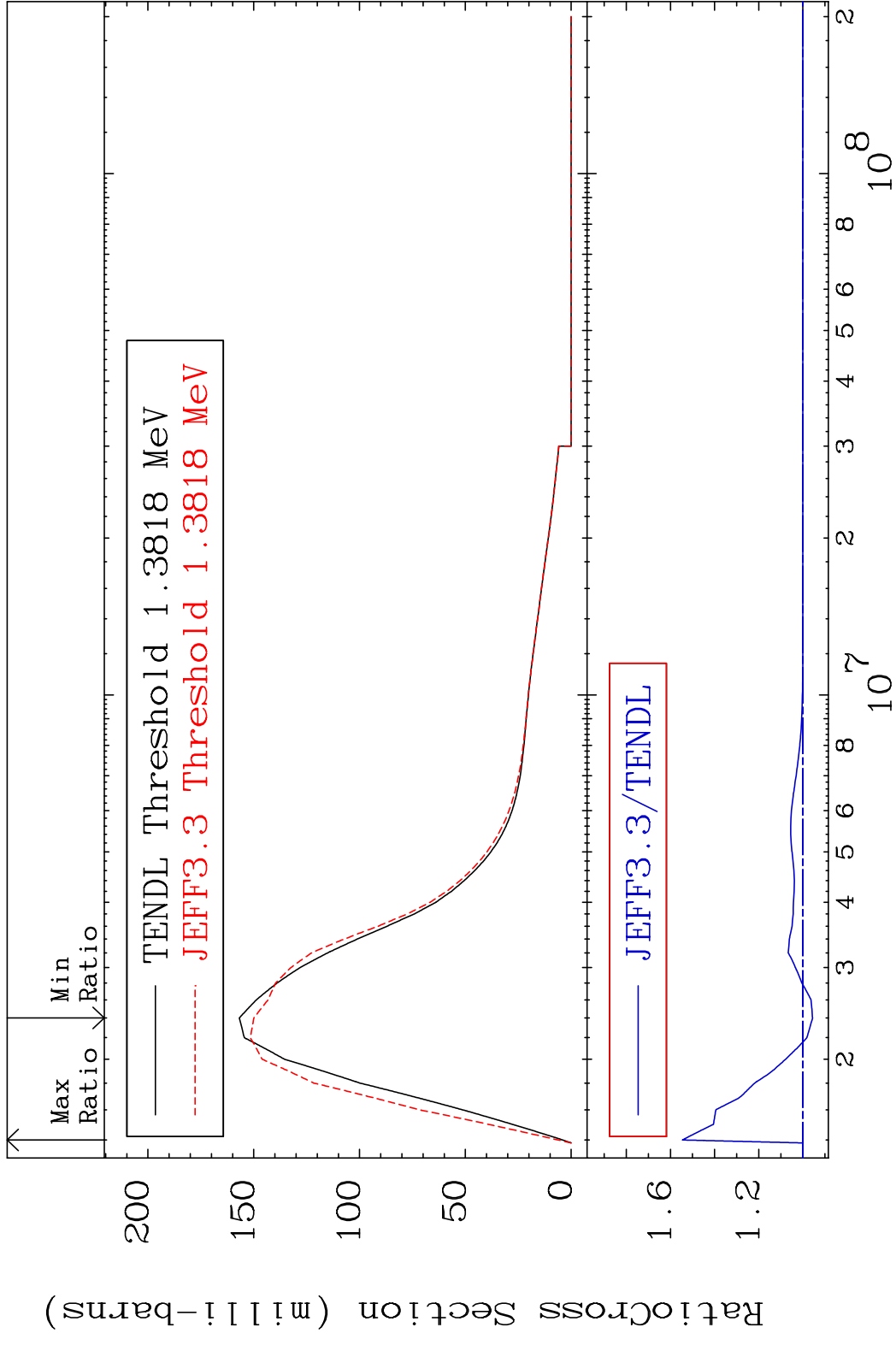


20 Incident Energy (eV) 34-Se-74

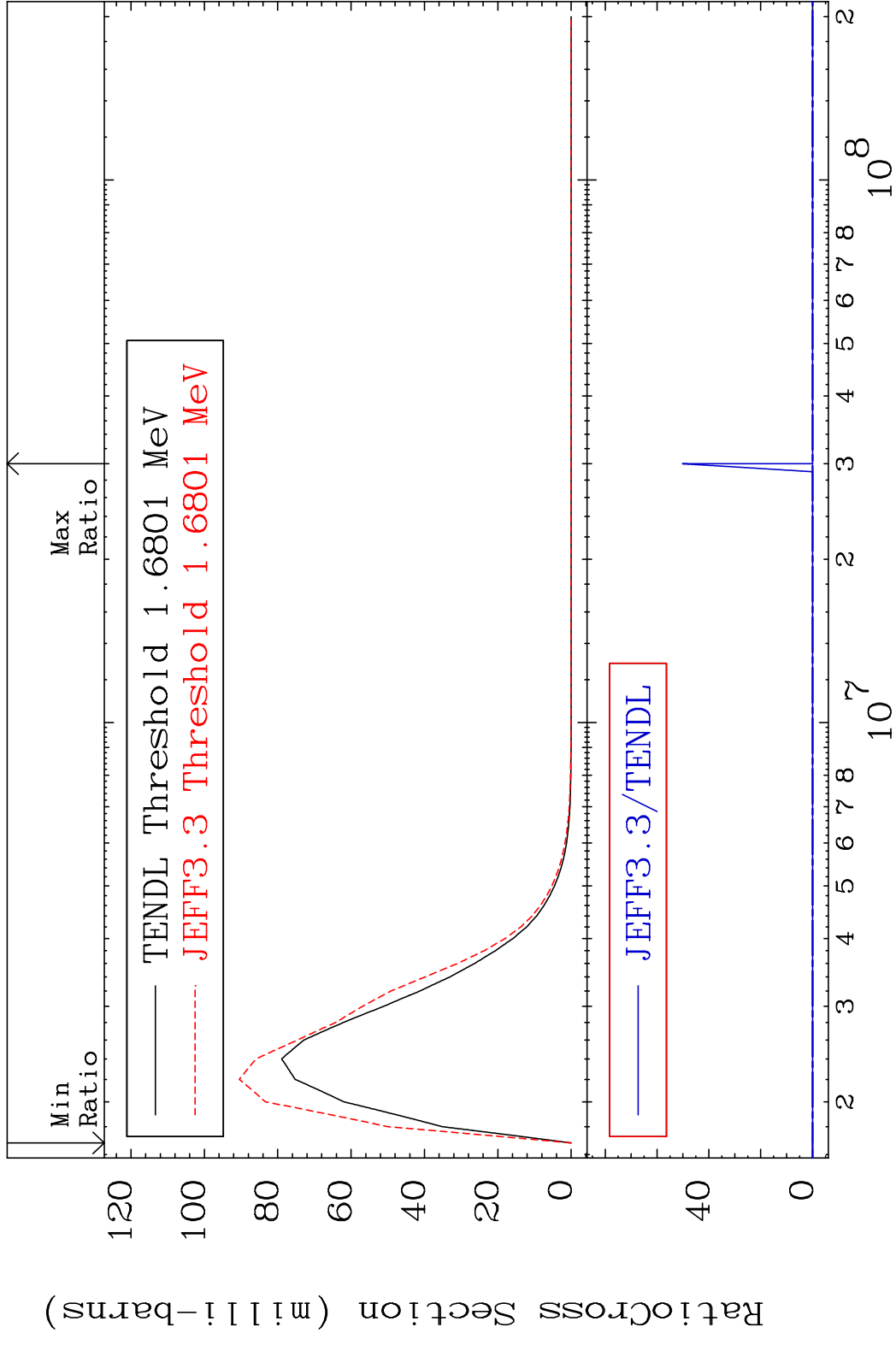
MAT 3425 MT= 53 (n, n') Level 34-Se-74
 Cross Section -100.0 To 35.12 %



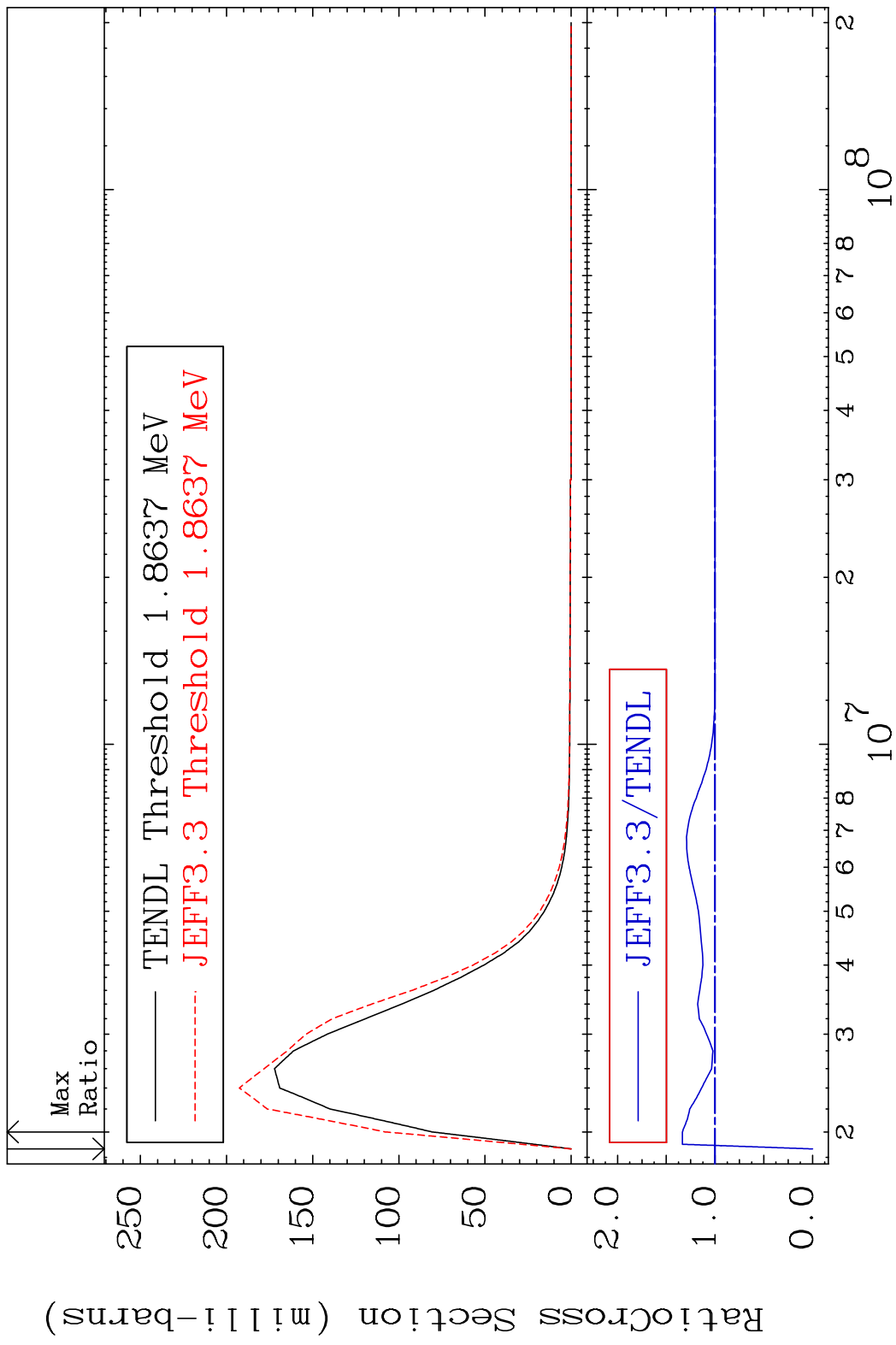
MAT 3425 MT= 54 (n,n') Level 34-Se-74
 Cross Section -4.387 To 54.60 %



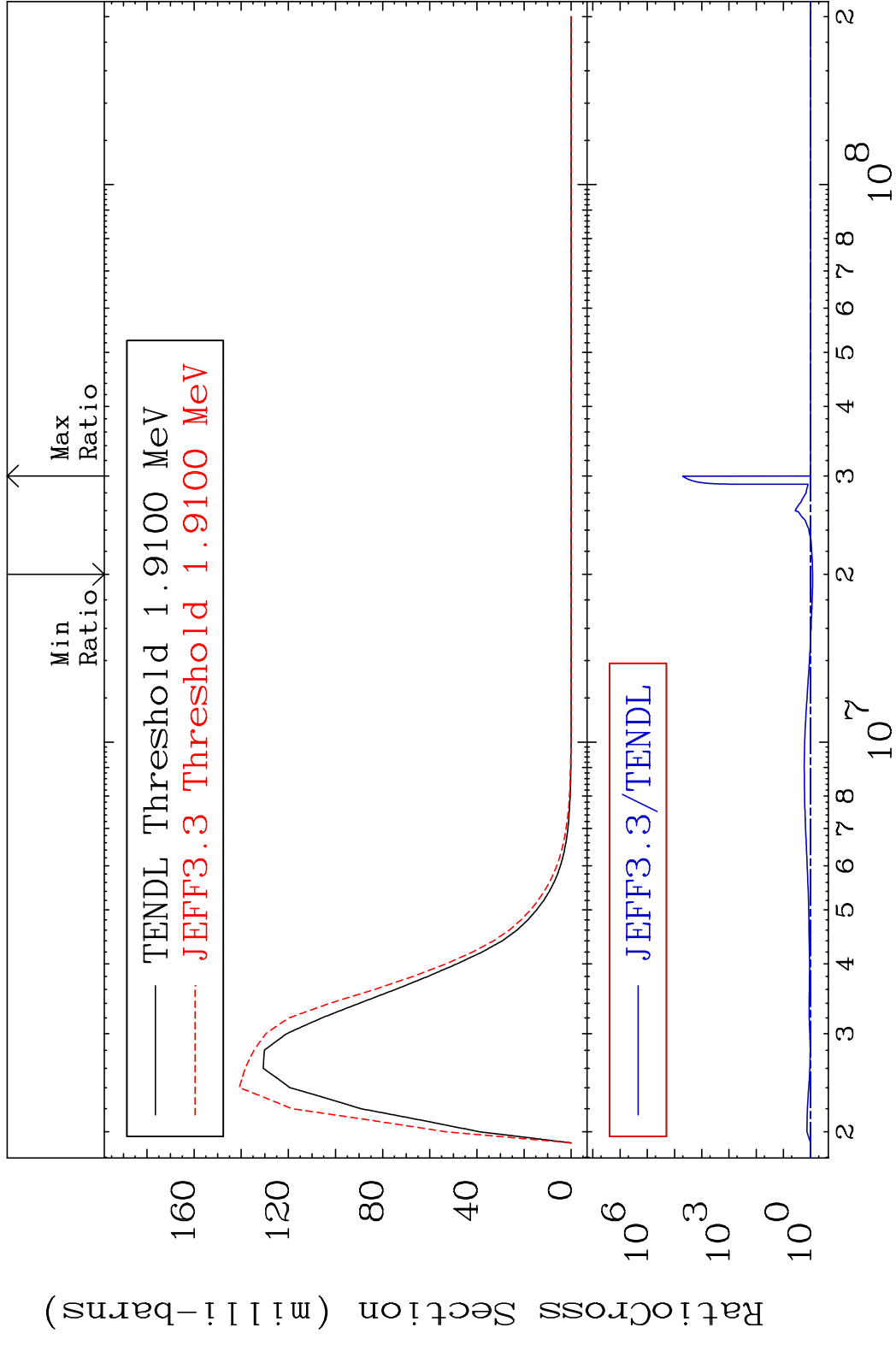
MAT 3425 MT= 55 (n, n') Level 34-Se-74
 Cross Section -100.0 To 9999. %



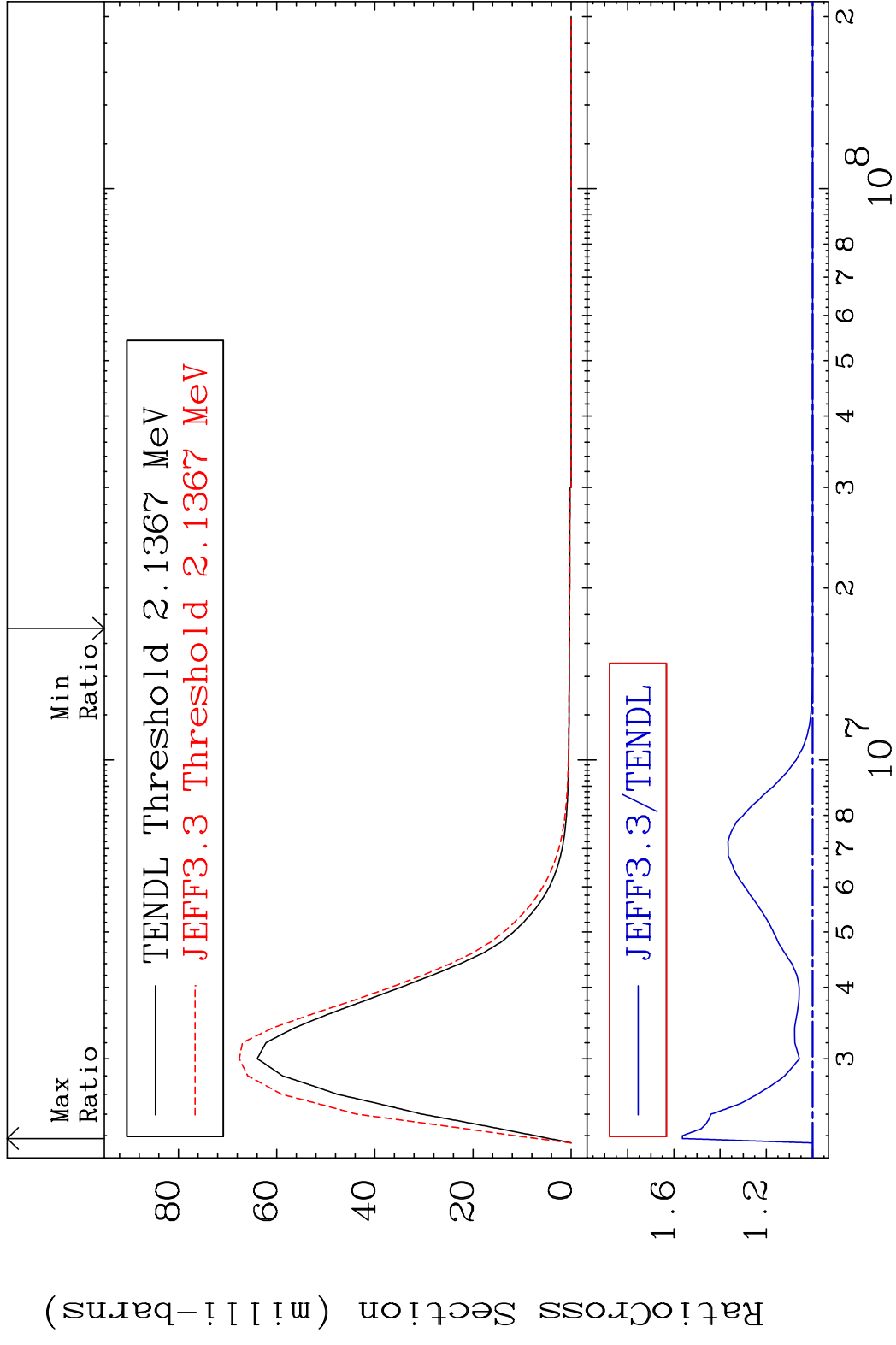
MAT 3425 MT= 56 (n, n') Level 34-Se-74
 Cross Section -100.0 To 33.54 %



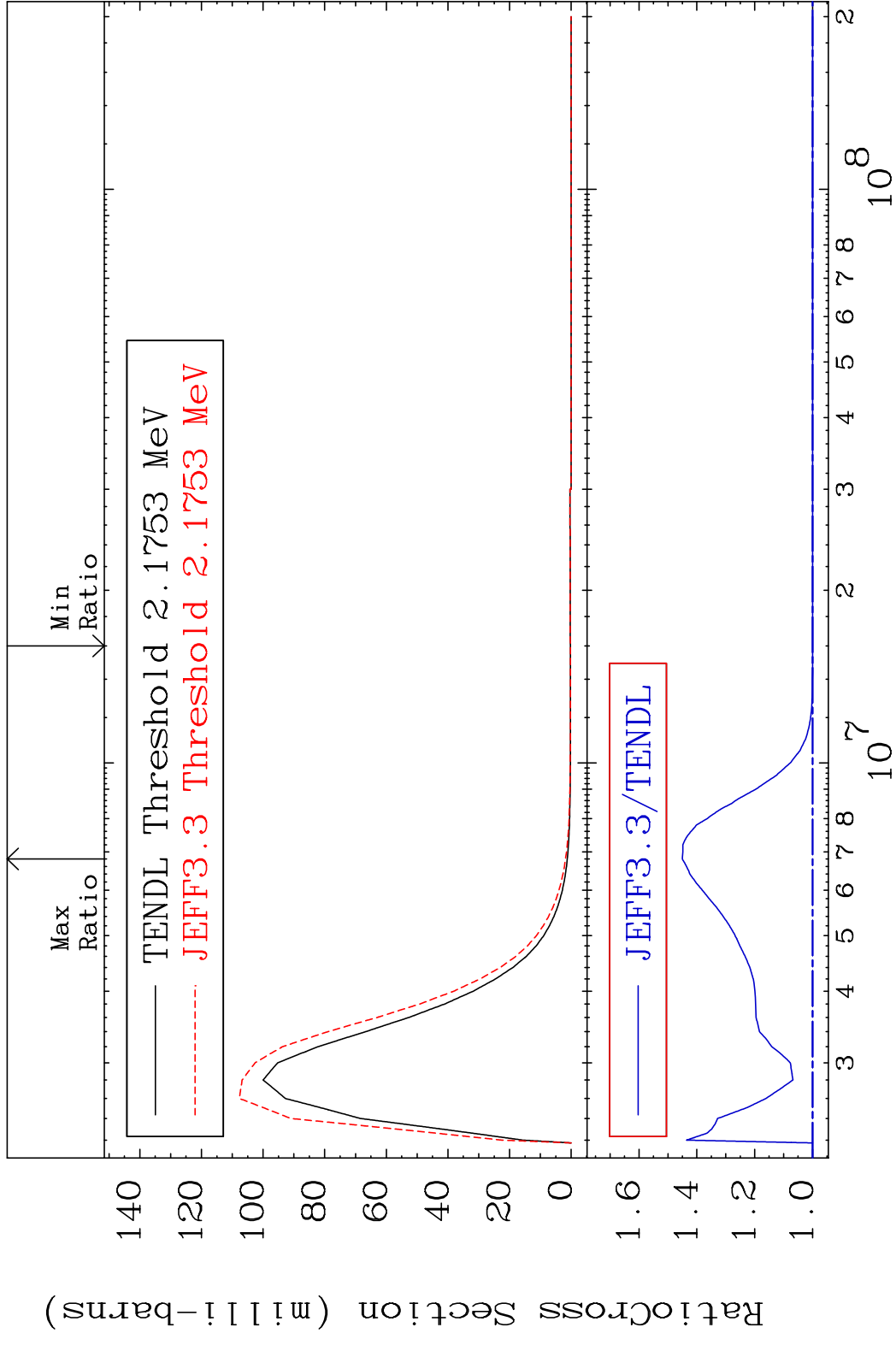
MAT 3425 MT= 57 (n, n') Level 34-Se-74
 Cross Section -14.90 To 9999. %



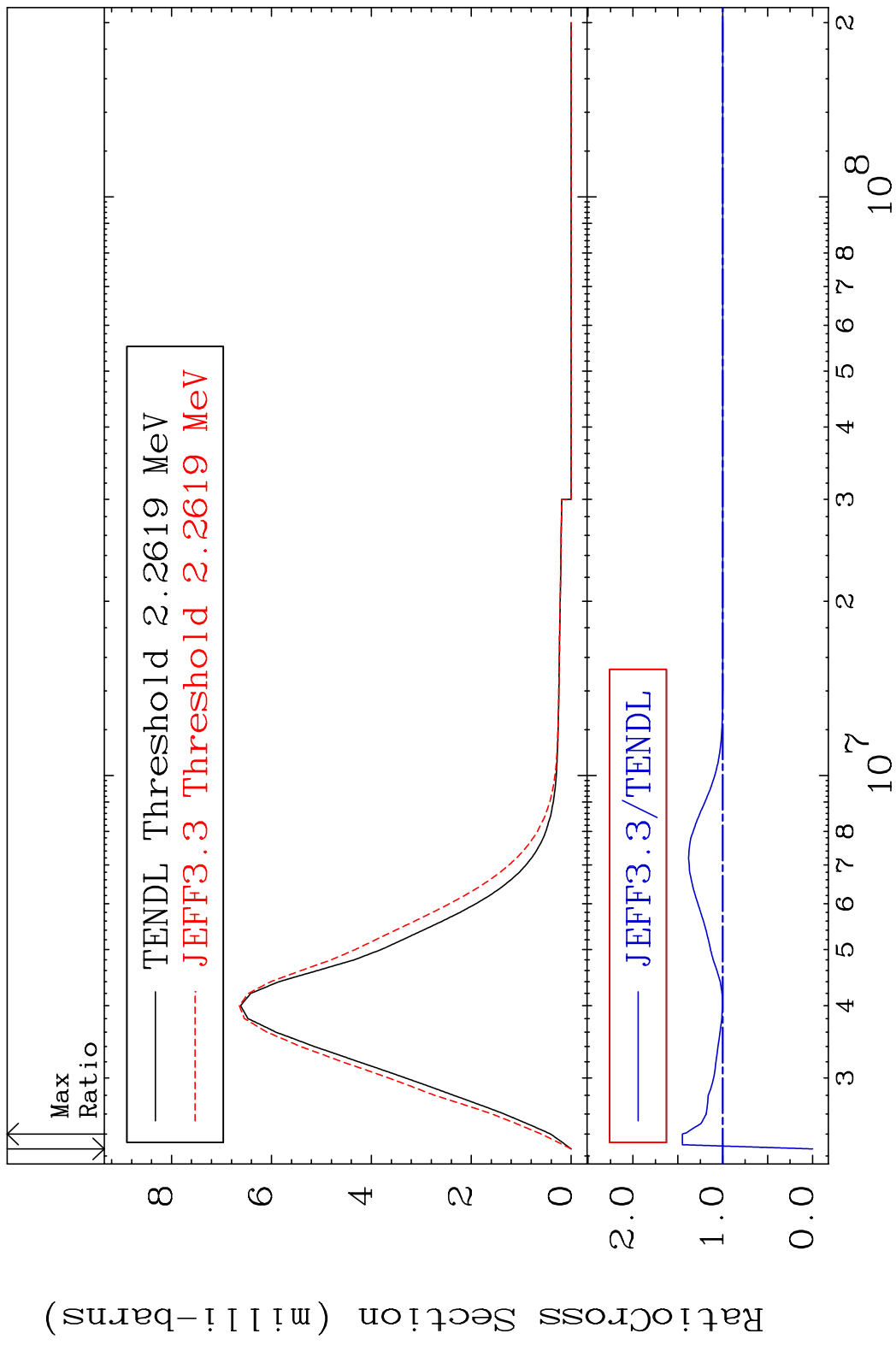
MAT 3425 MT= 58 (n, n') Level 34-Se-74
 Cross Section -0.003 To 56.35 %



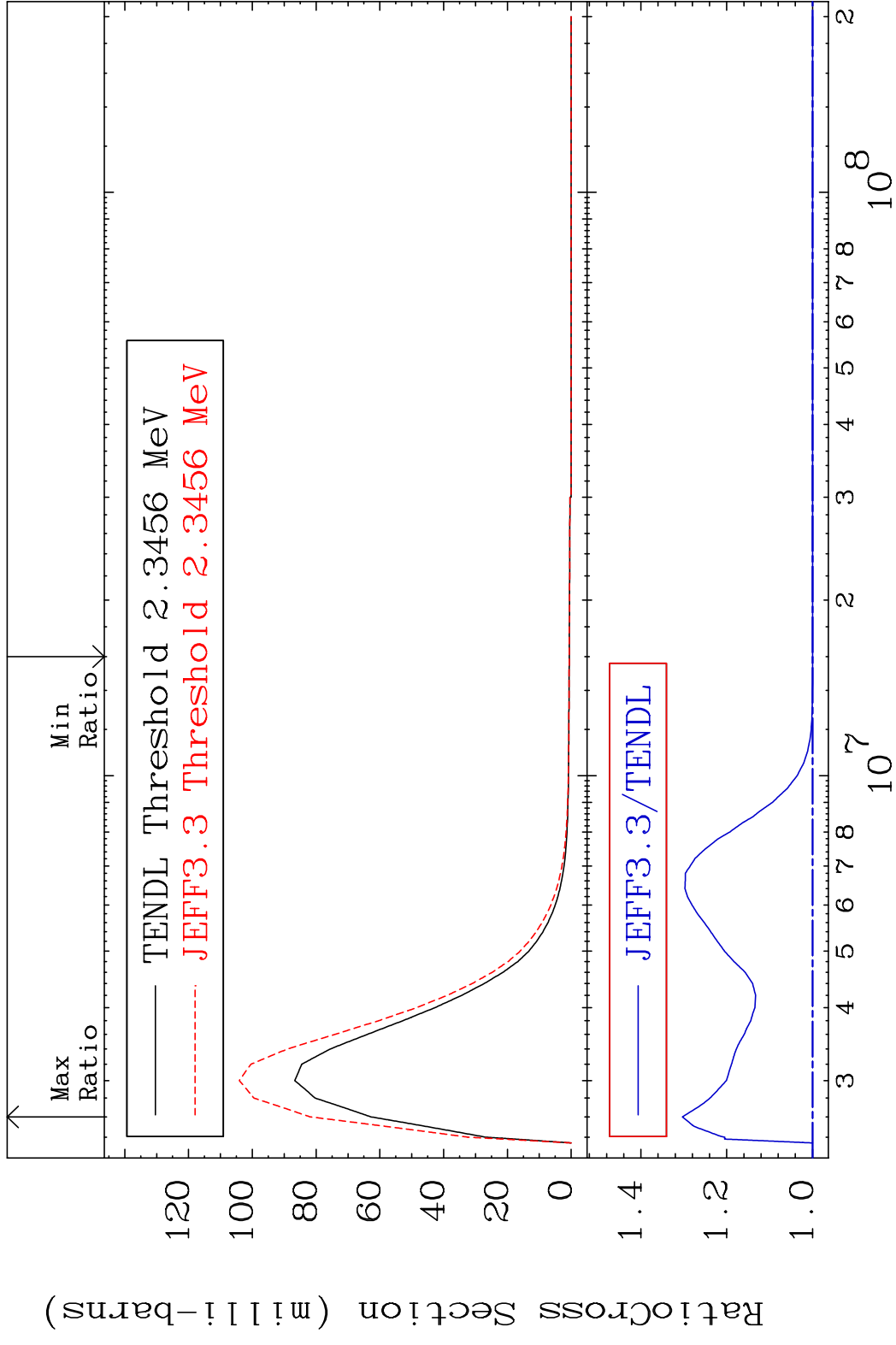
MAT 3425 MT= 59 (n, n') Level 34-Se-74
 Cross Section -0.002 To 45.01 %



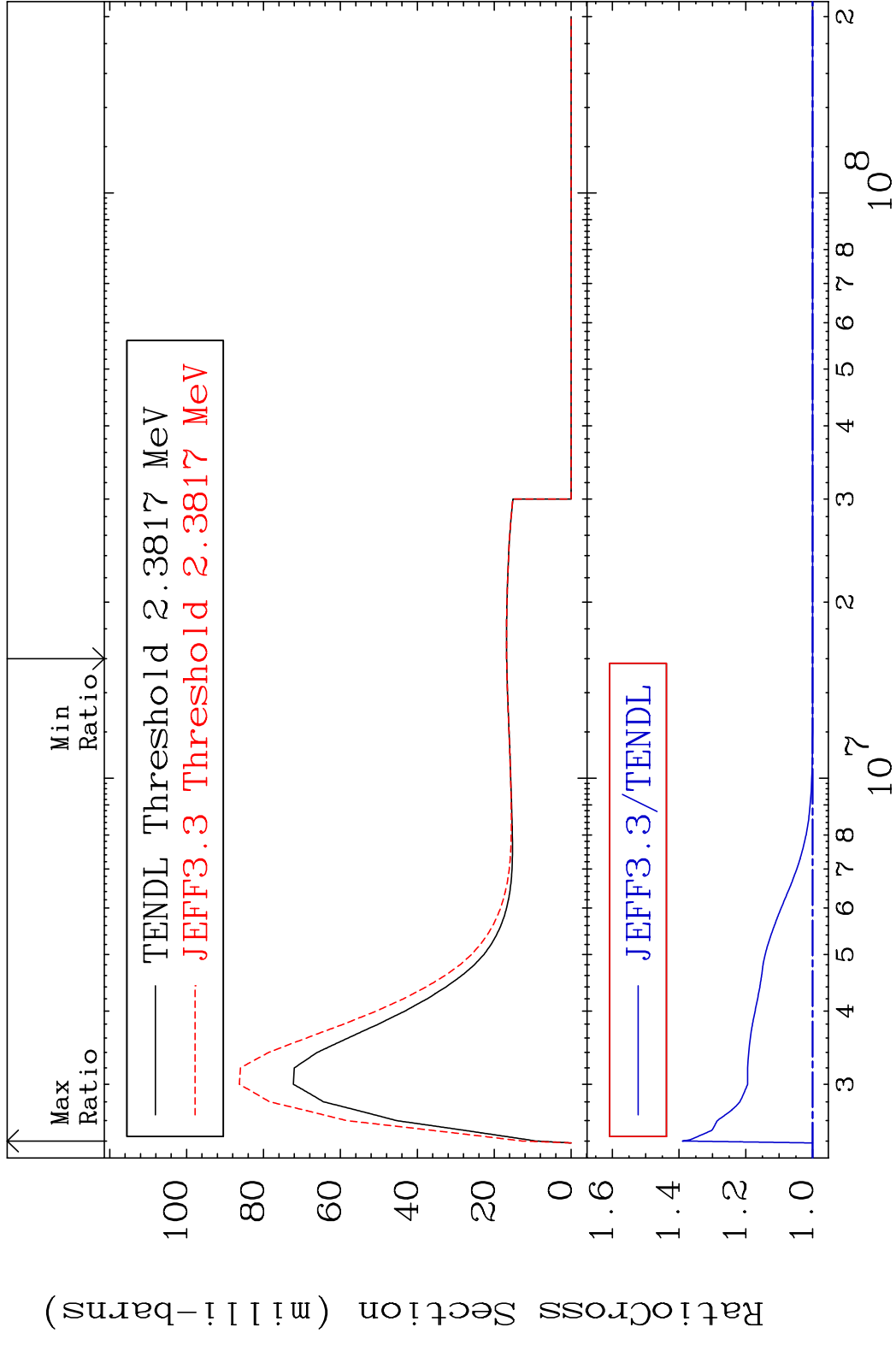
MAT 3425 MT= 60 (n, n') Level 34-Se-74
 Cross Section -100.0 To 44.99 %



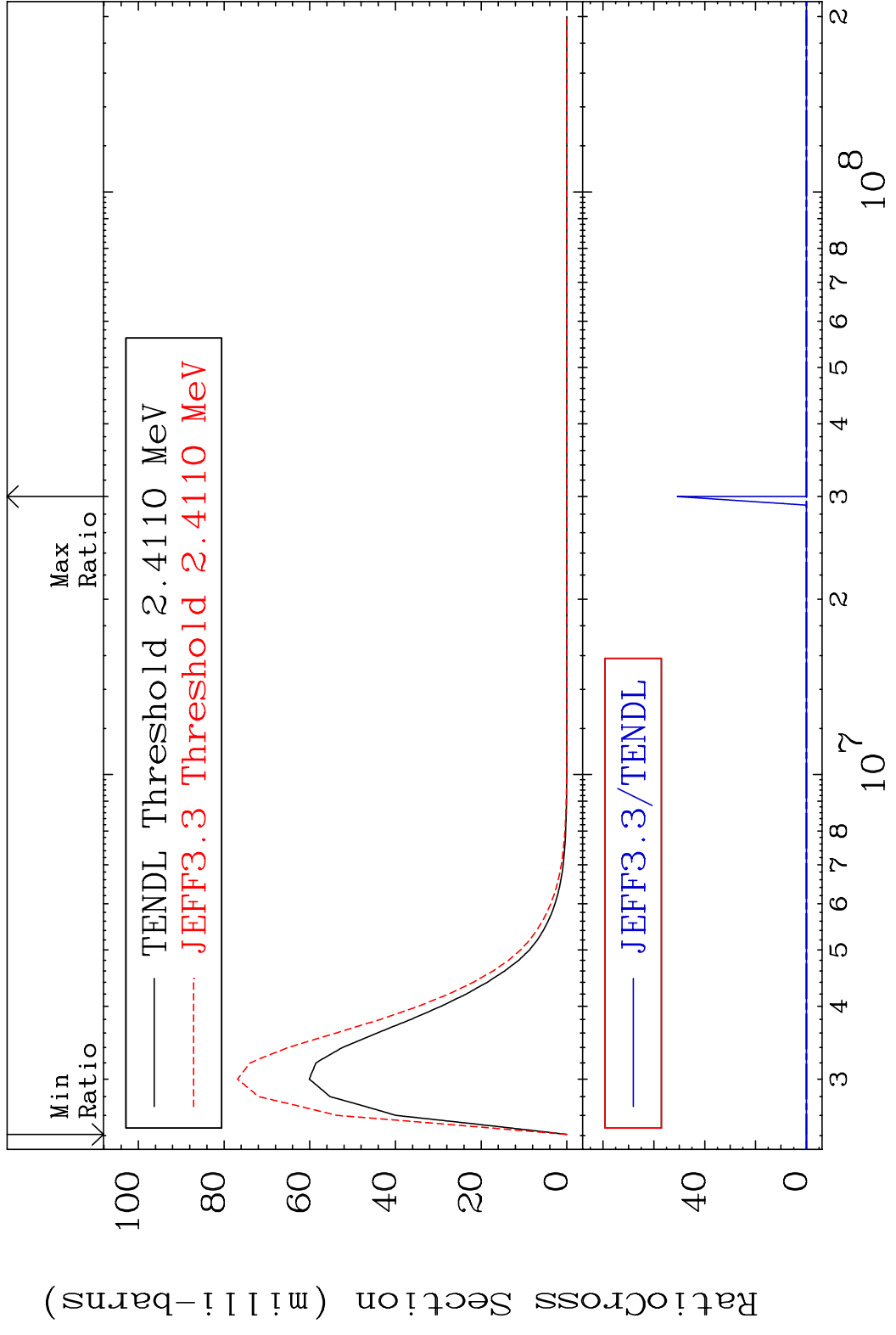
MAT 3425 MT= 61 (n,n') Level 34-Se-74
 Cross Section -0.001 To 30.34 %



MAT 3425 MT= 62 (n,n') Level 34-Se-74
 Cross Section 0.000 To 39.01 %

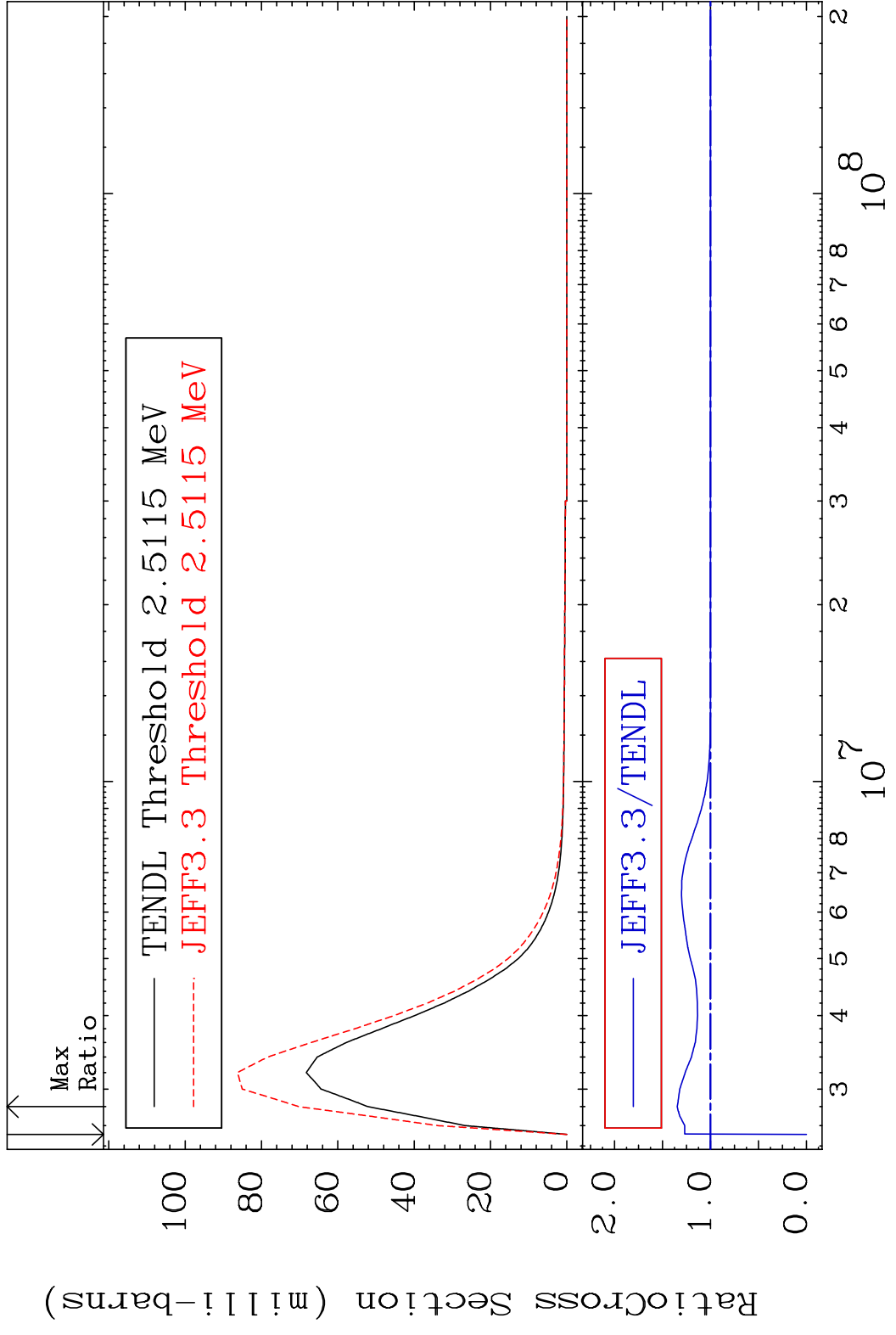


MAT 3425 MT= 63 (n, n') Level 34-Se-74
 Cross Section -100.0 To 9999. %

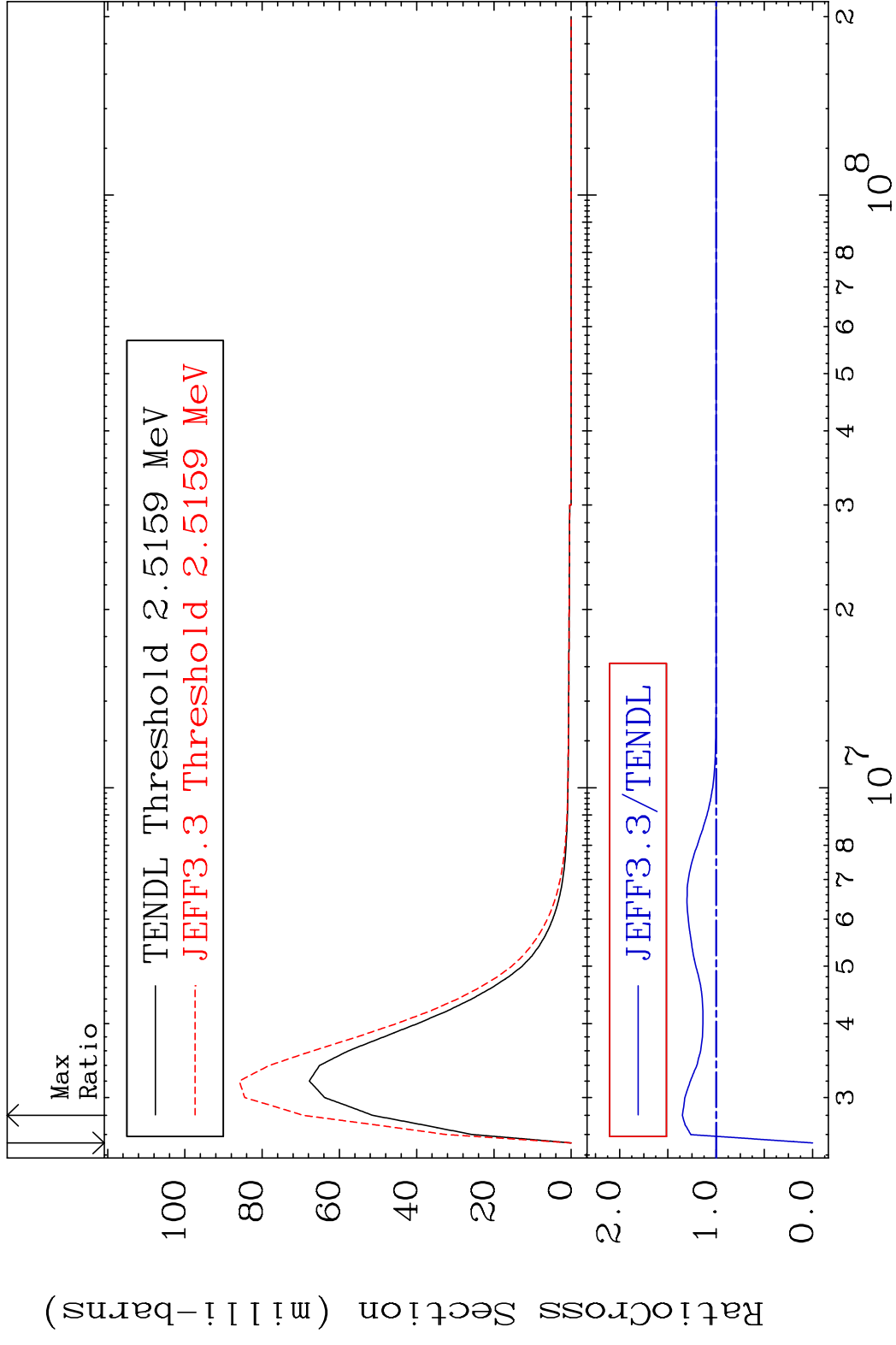


31 Incident Energy (eV) 34-Se-74

MAT 3425 MT= 64 (n, n') Level 34-Se-74
 Cross Section -100.0 To 34.73 %



MAT 3425 MT= 65 (n, n') Level 34-Se-74
 Cross Section -100.0 To 34.97 %

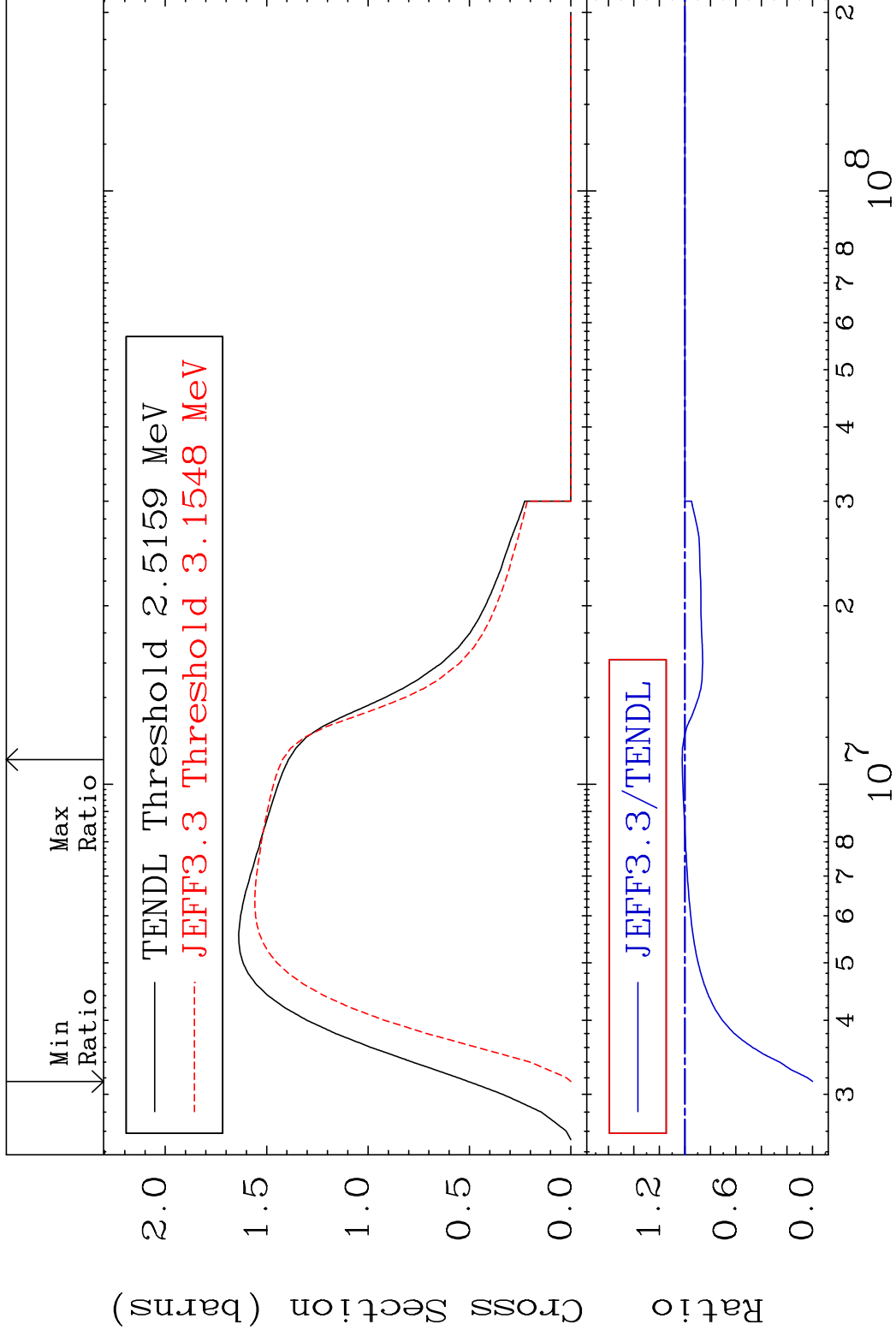


MAT 3425

(n, n') Continuum

³⁴Se-74

Cross Section -100.0 To 2.152 %



34

Incident Energy (eV)

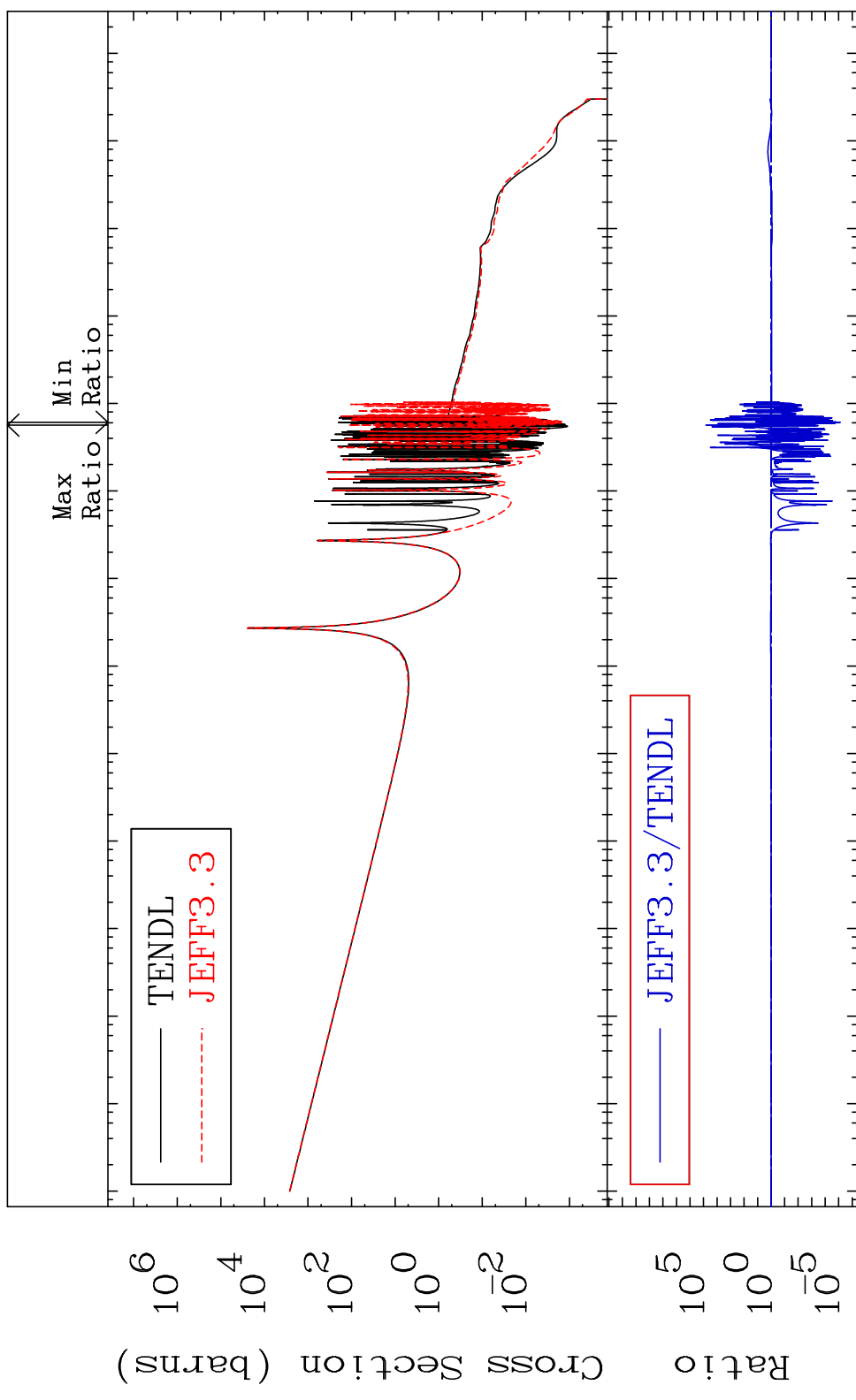
³⁴Se-74

MAT 3425

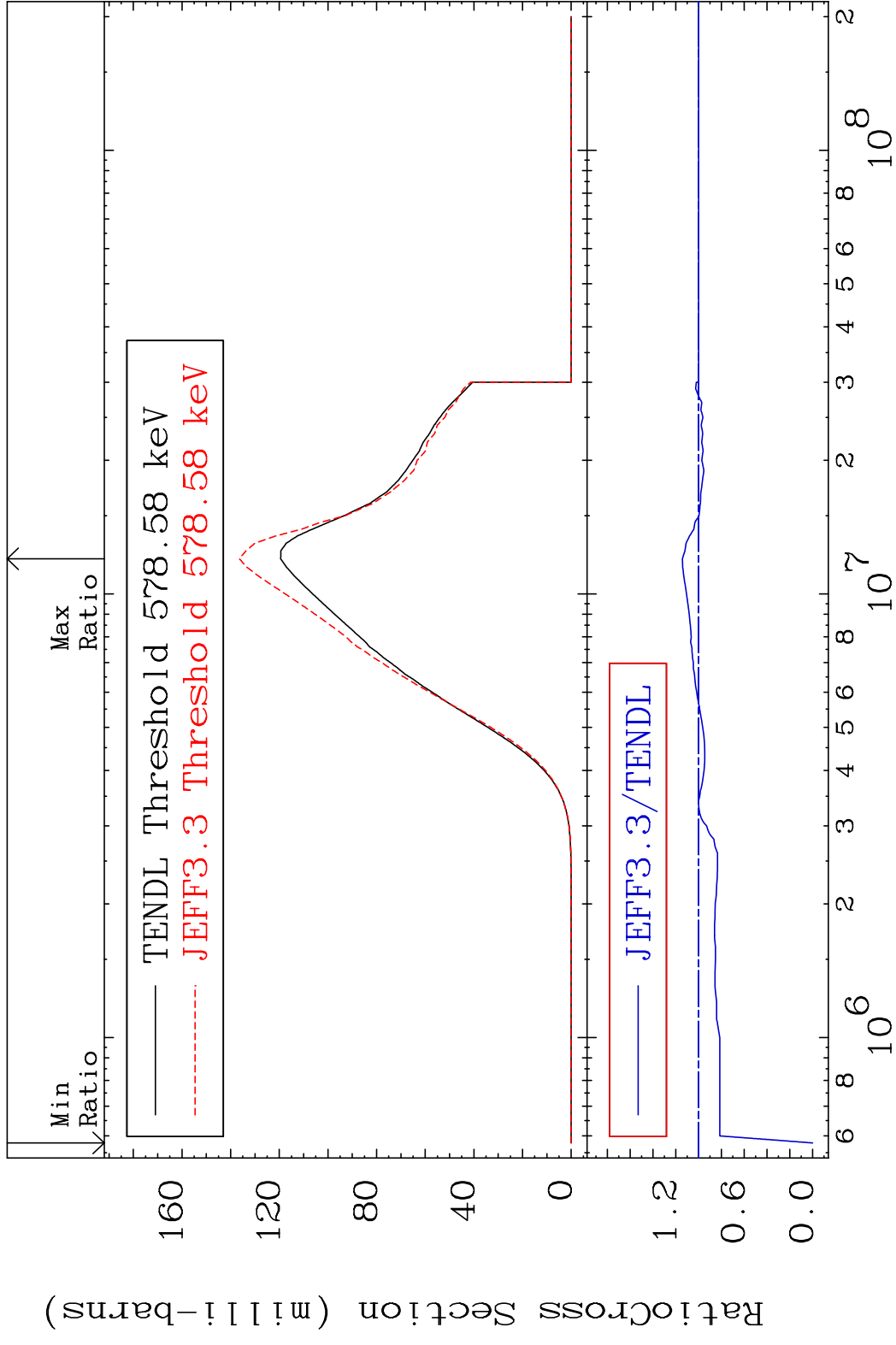
(n, γ)

34-Se-74

Cross Section -100.0 To 9999. %



MAT 3425 (n,p) 34-Se-74
 Cross Section -100.0 To 14.24 %

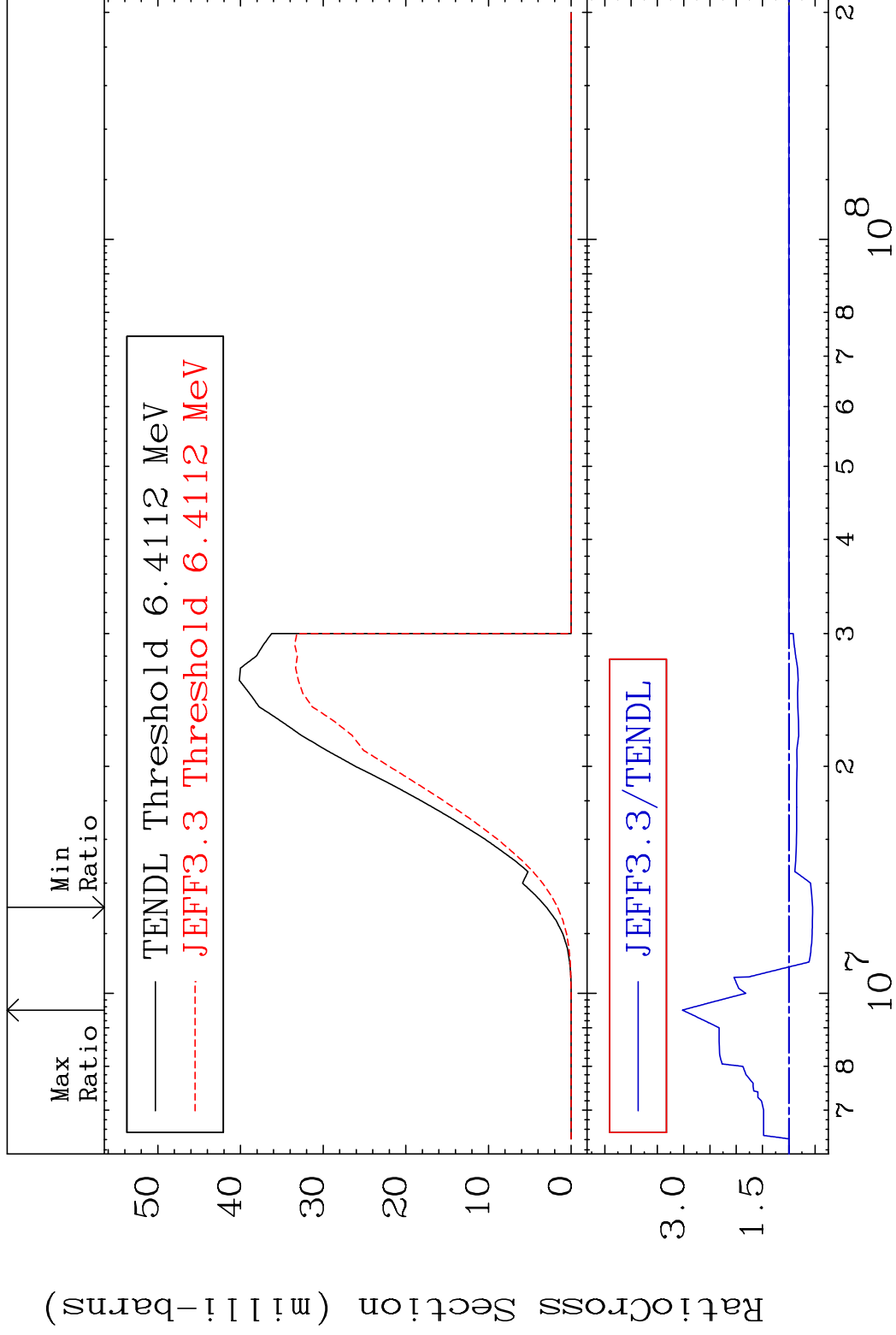


MAT 3425

(n, d)

34-Se-74

Cross Section -45.13 To 202.5 %



37

Incident Energy (eV)

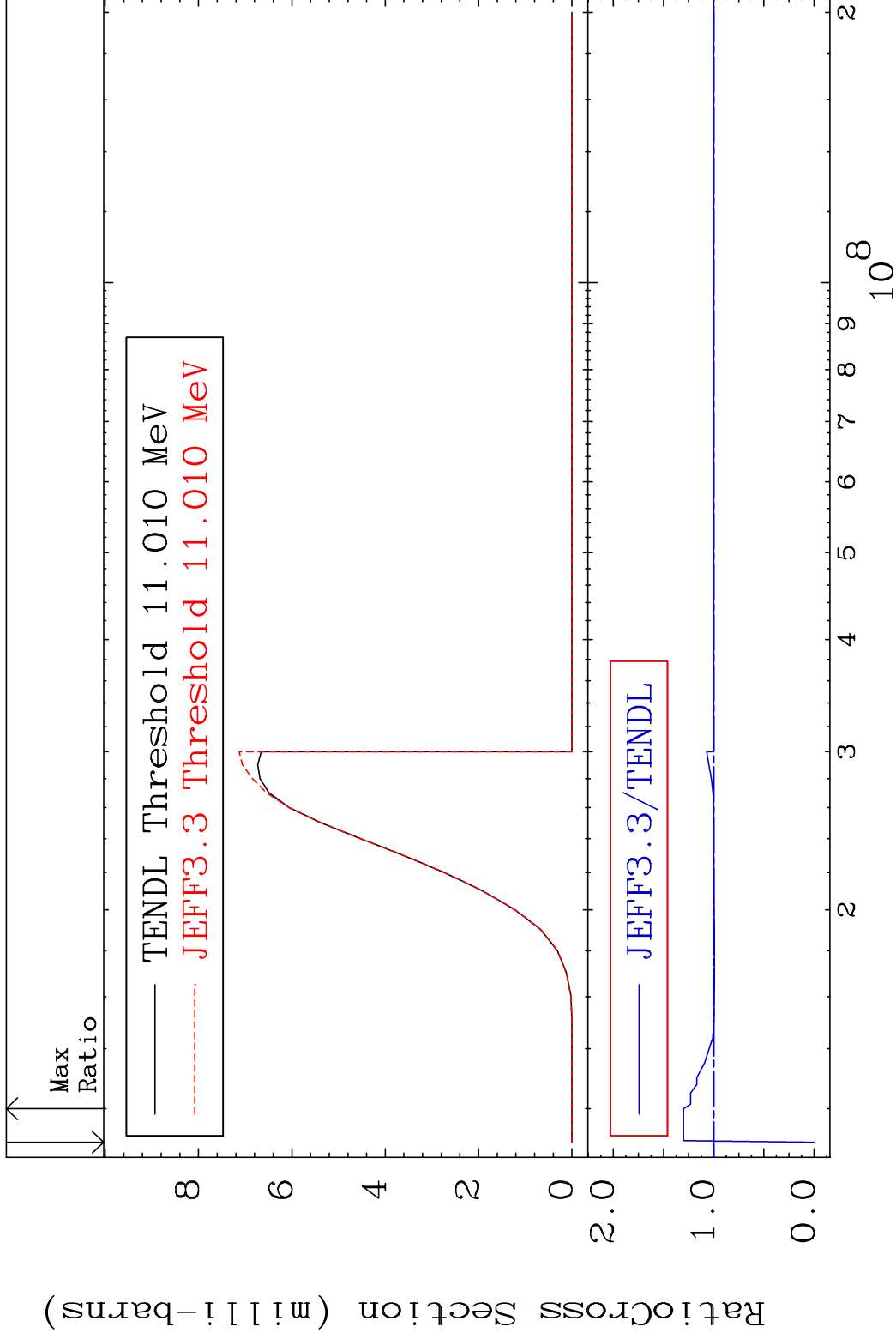
34-Se-74

MAT 3425

(n, t)

34-Se-74

Cross Section -100.0 To 30.16 %

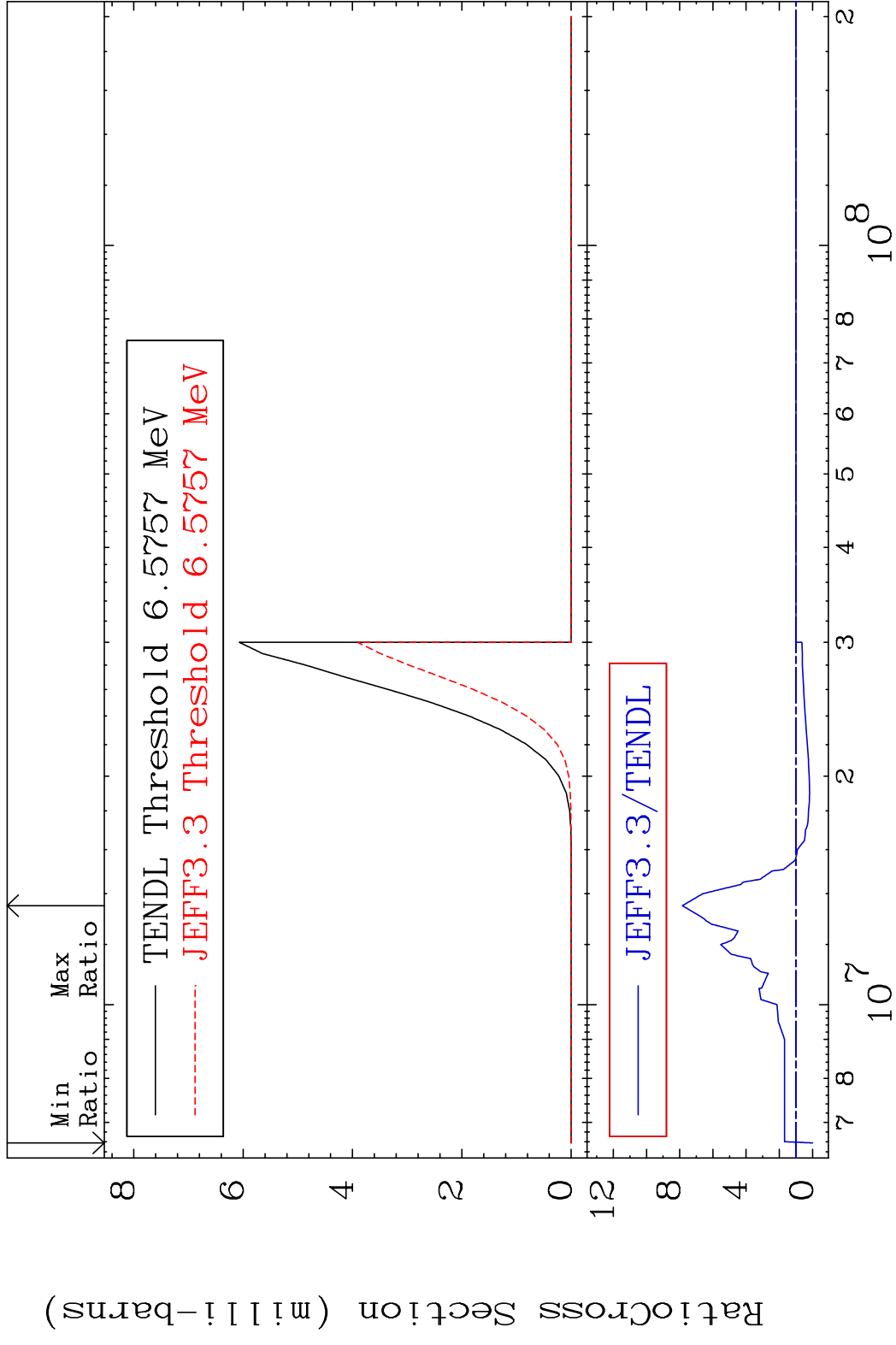


38

Incident Energy (eV)

34-Se-74

MAT 3425 (n, He-3) 34-Se-74
 Cross Section -100.0 To 683.9 %

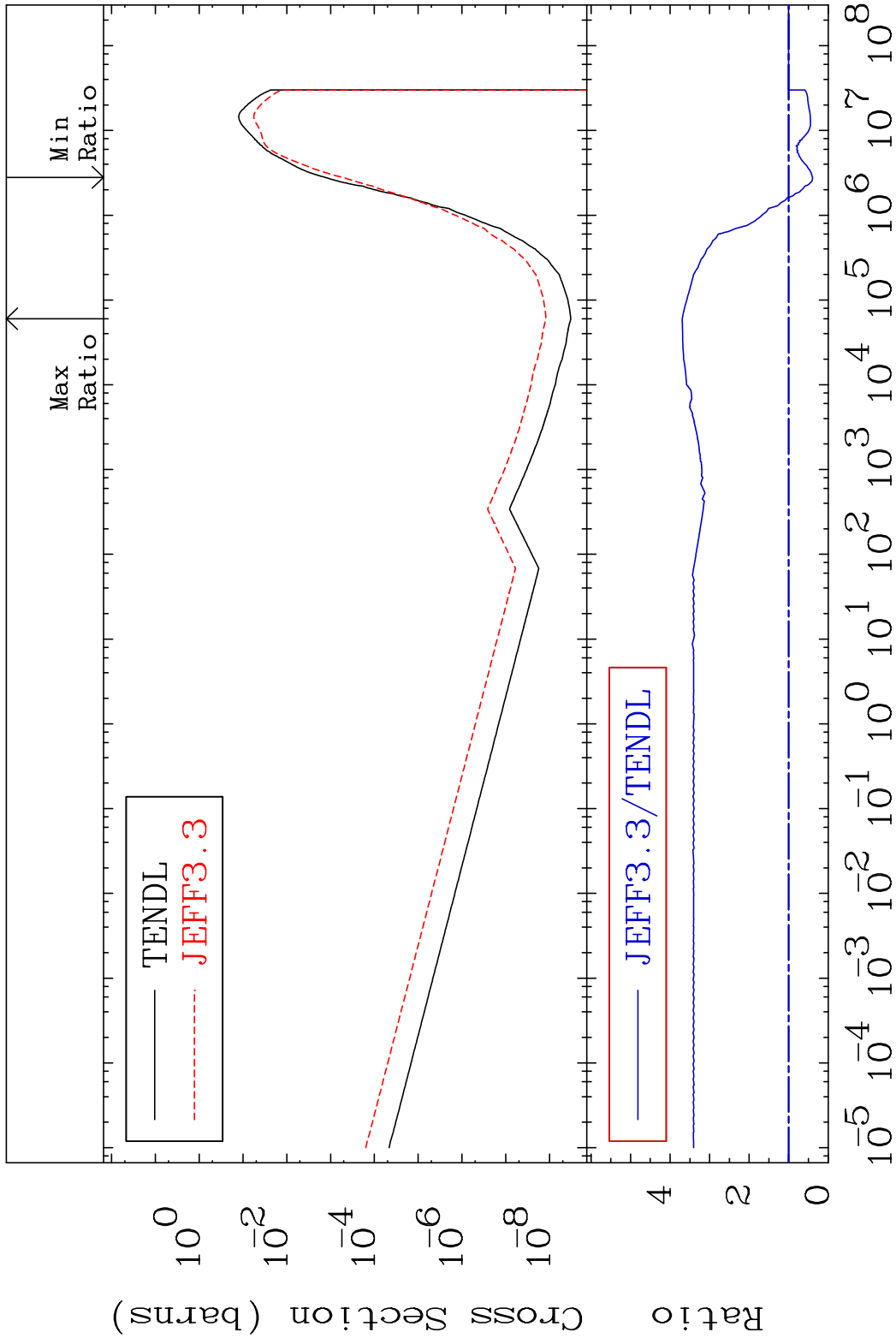


MAT 3425

(n, α)

34-Se-74

Cross Section -60.22 To 269.5 %

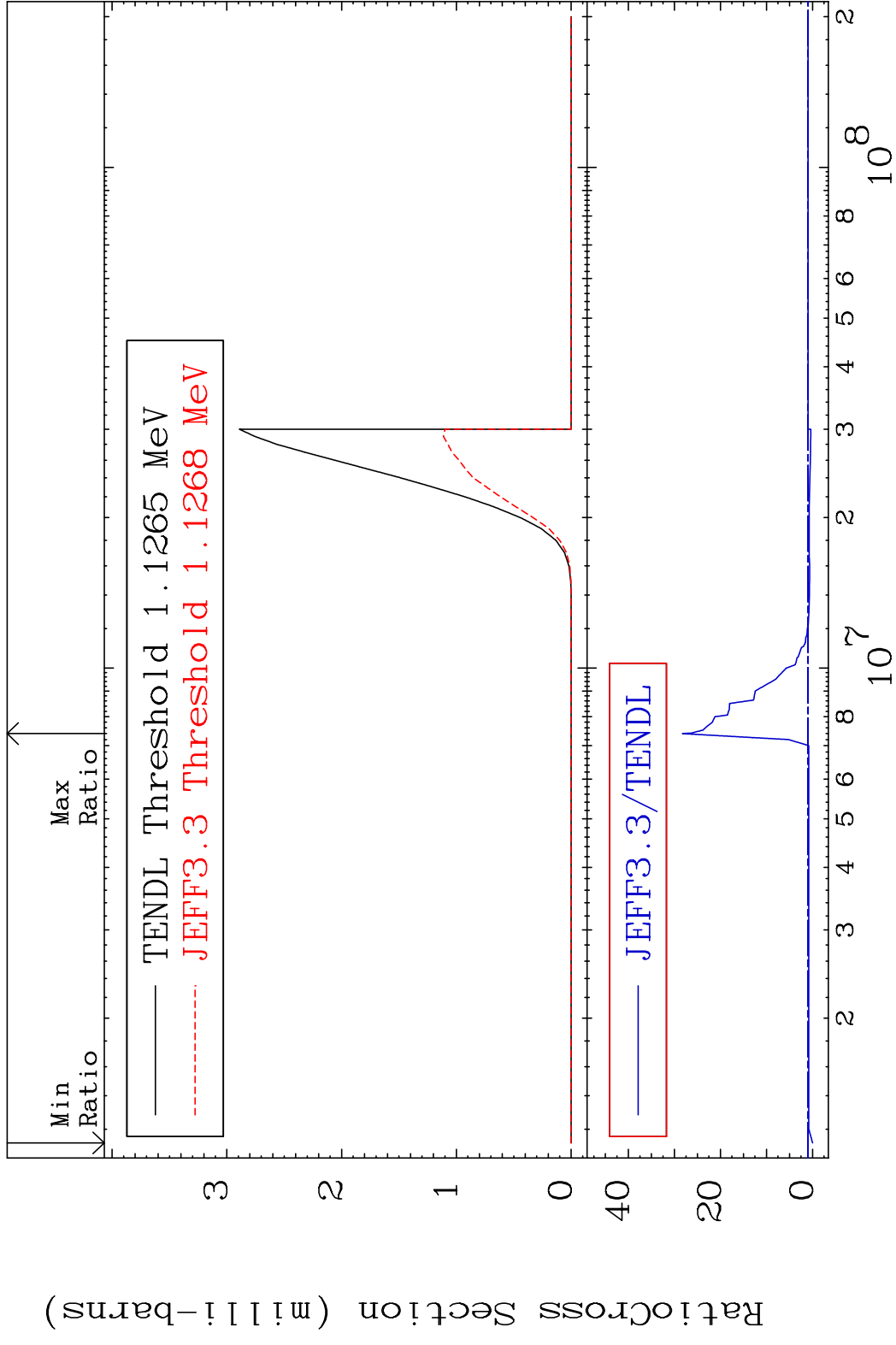


40

Incident Energy (eV)

34-Se-74

MAT 3425 (n,2α) 34-Se-74
 Cross Section -100.0 To 2728. %

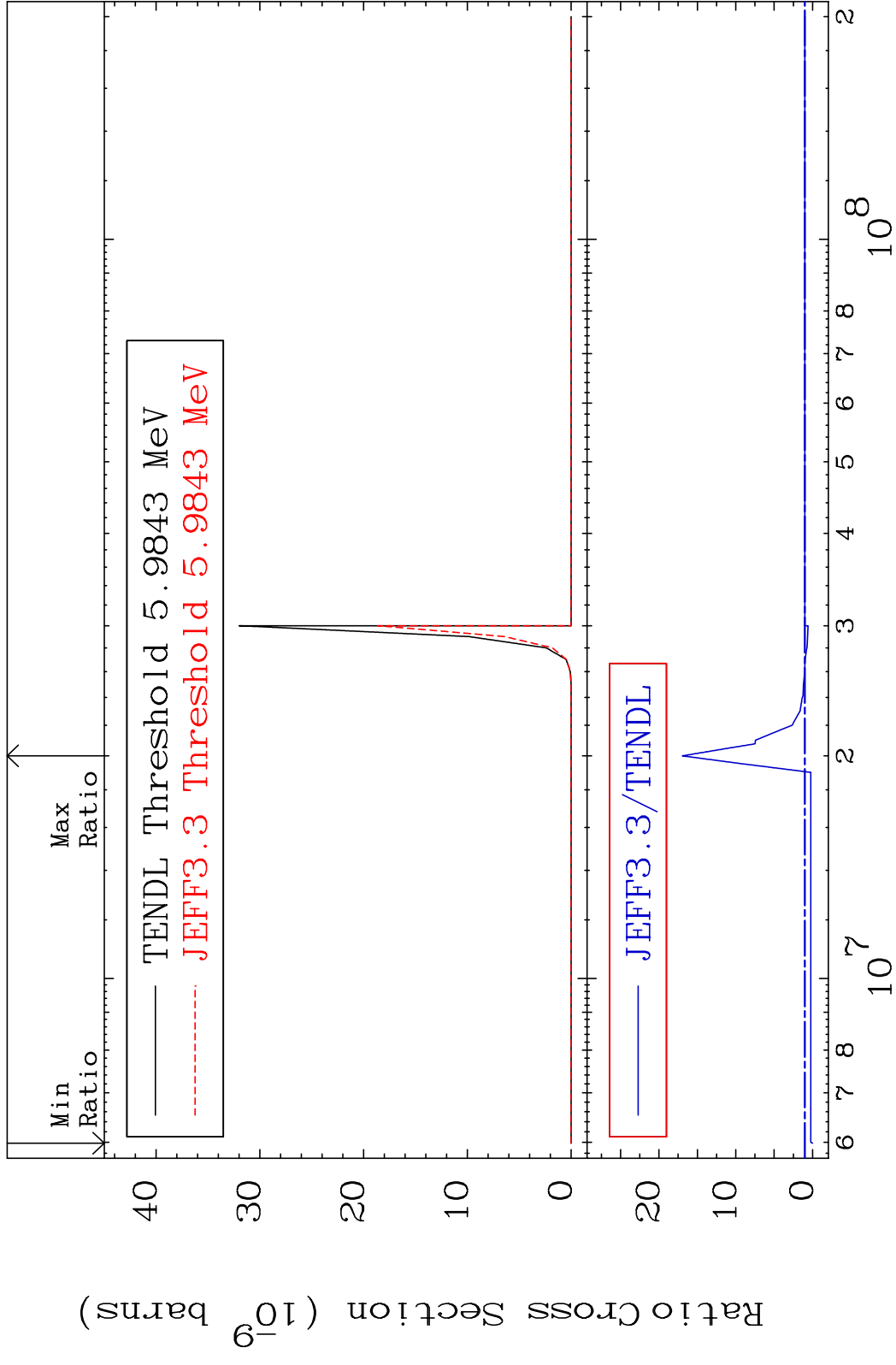


MAT 3425

(n,3α)

34-Se-74

Cross Section -100.0 To 1595. %



42

Incident Energy (eV)

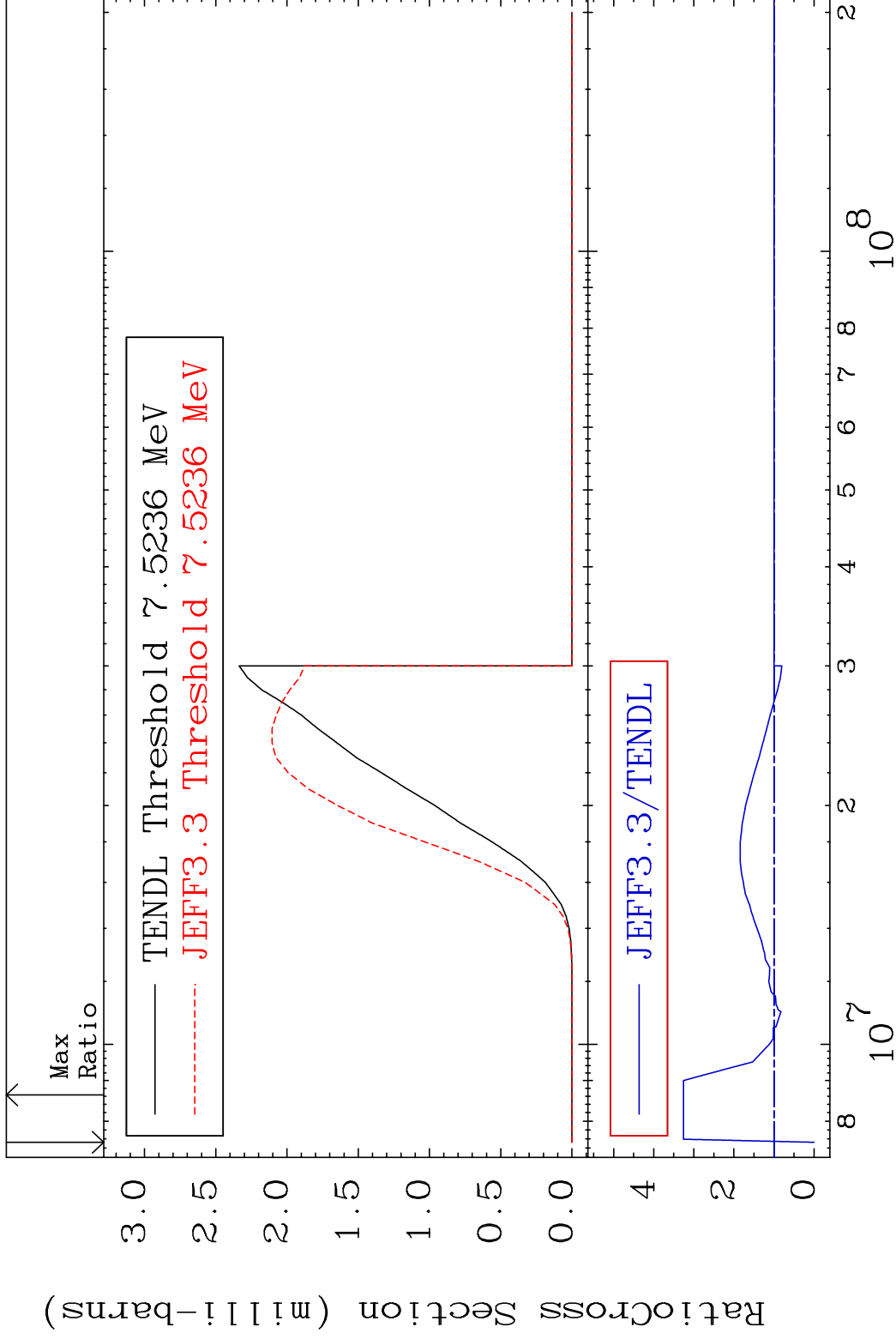
34-Se-74

MAT 3425

(n,2p)

³⁴Se-74

Cross Section -100.0 To 225.8 %



43

Incident Energy (eV)

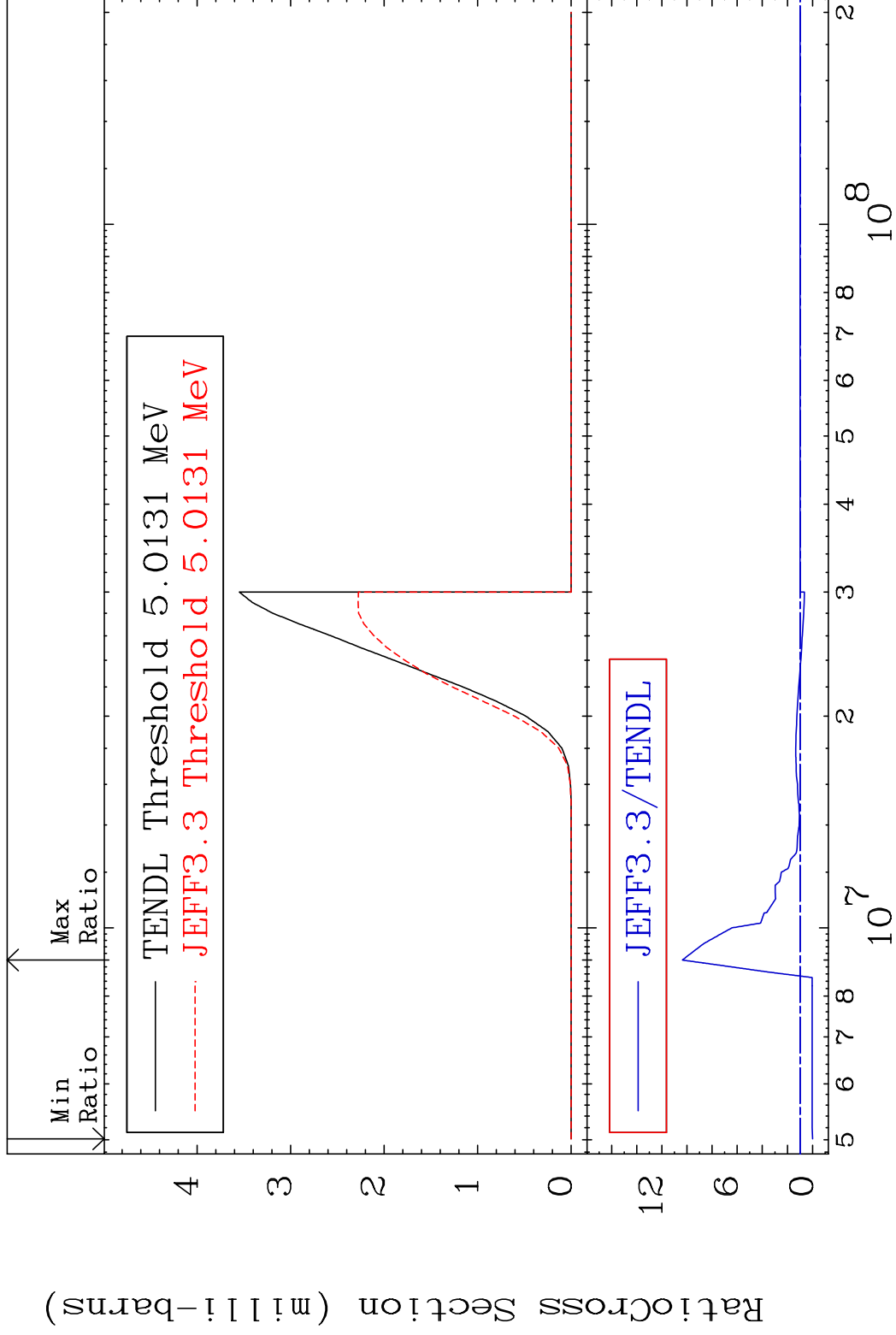
³⁴Se-74

MAT 3425

(n,p) α

³⁴Se-74

Cross Section -100.0 To 936.7 %



44

Incident Energy (eV)

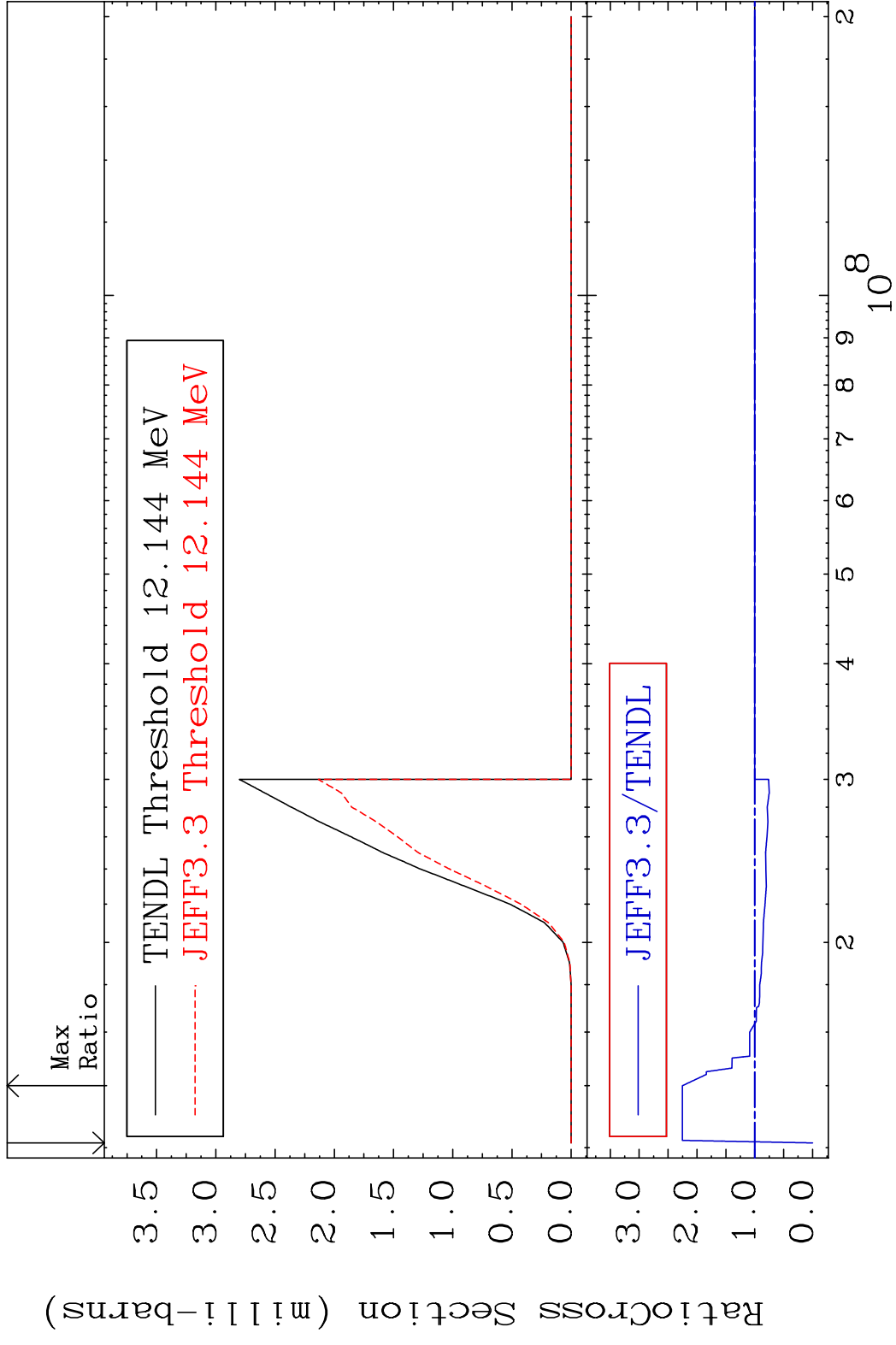
³⁴Se-74

MAT 3425

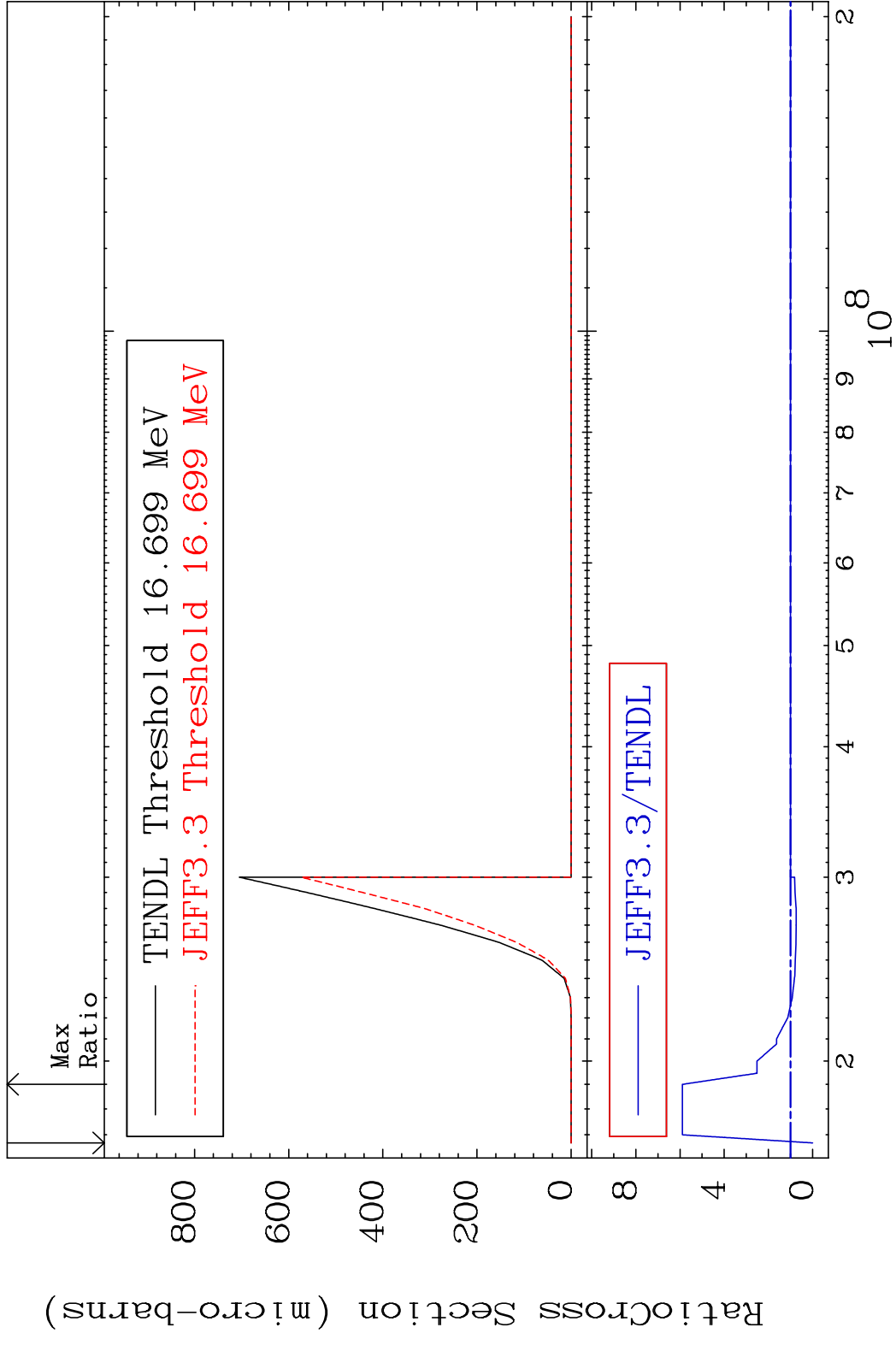
(n,p) d

³⁴Se-74

Cross Section -100.0 To 125.3 %



MAT 3425 (n,p) t 34-Se-74
 Cross Section -100.0 To 489.5 %

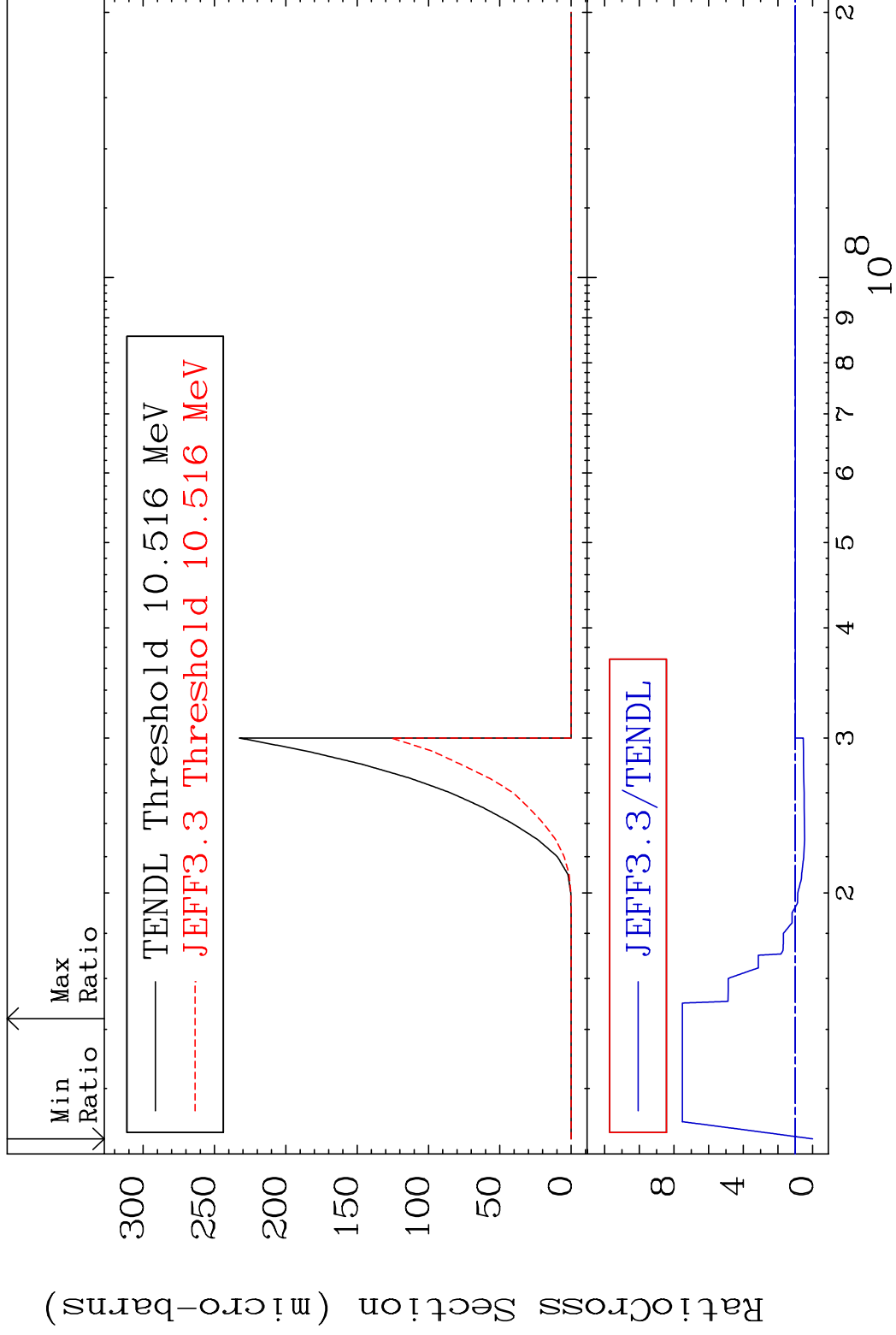


MAT 3425

(n, d) α

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

Cross Section -100.0 To 651.8 %

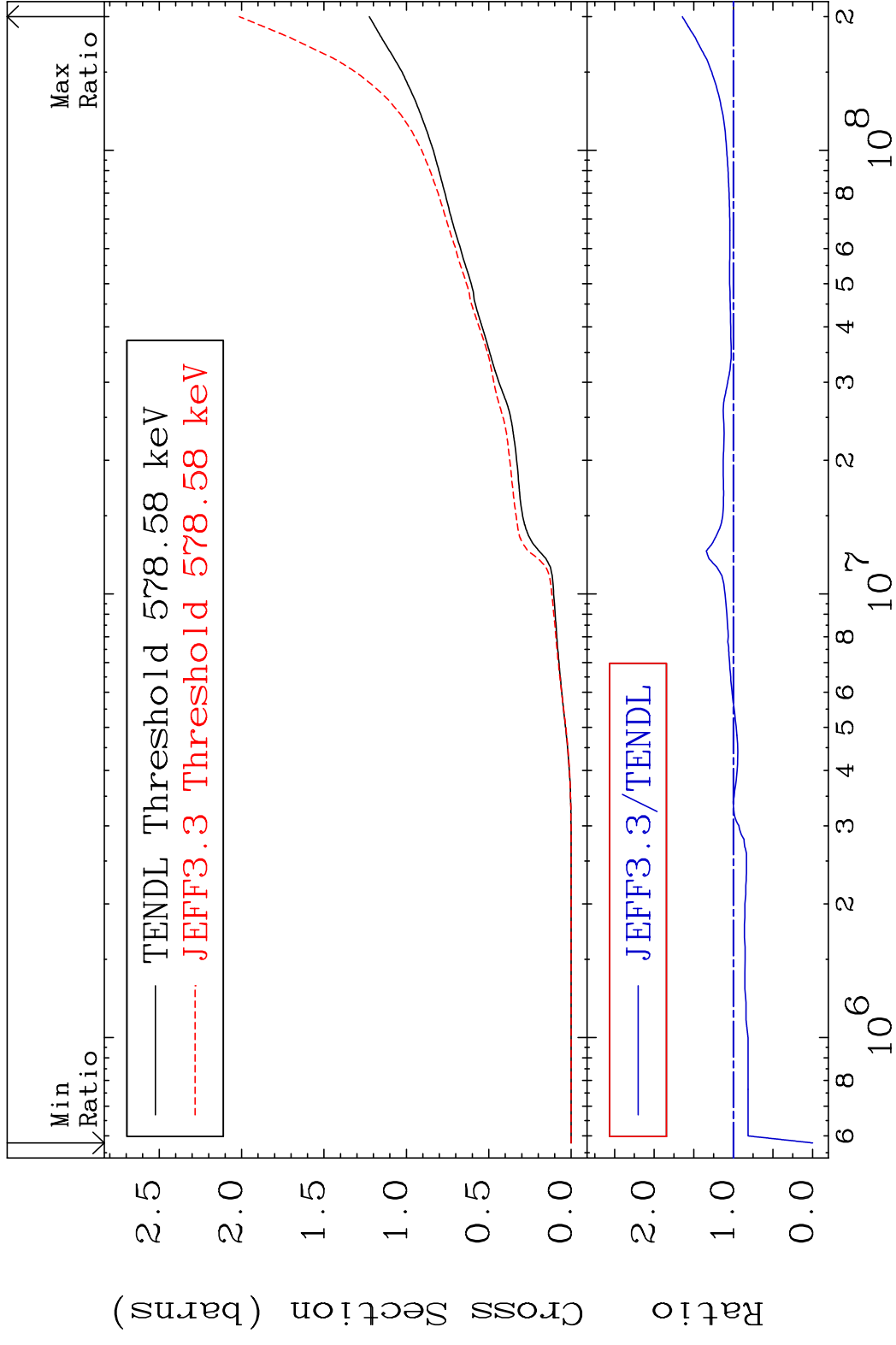


47

Incident Energy (eV)

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

MAT 3425 Hydrogen Production 34-Se-74
 Cross Section -100.0 To 64.41 %

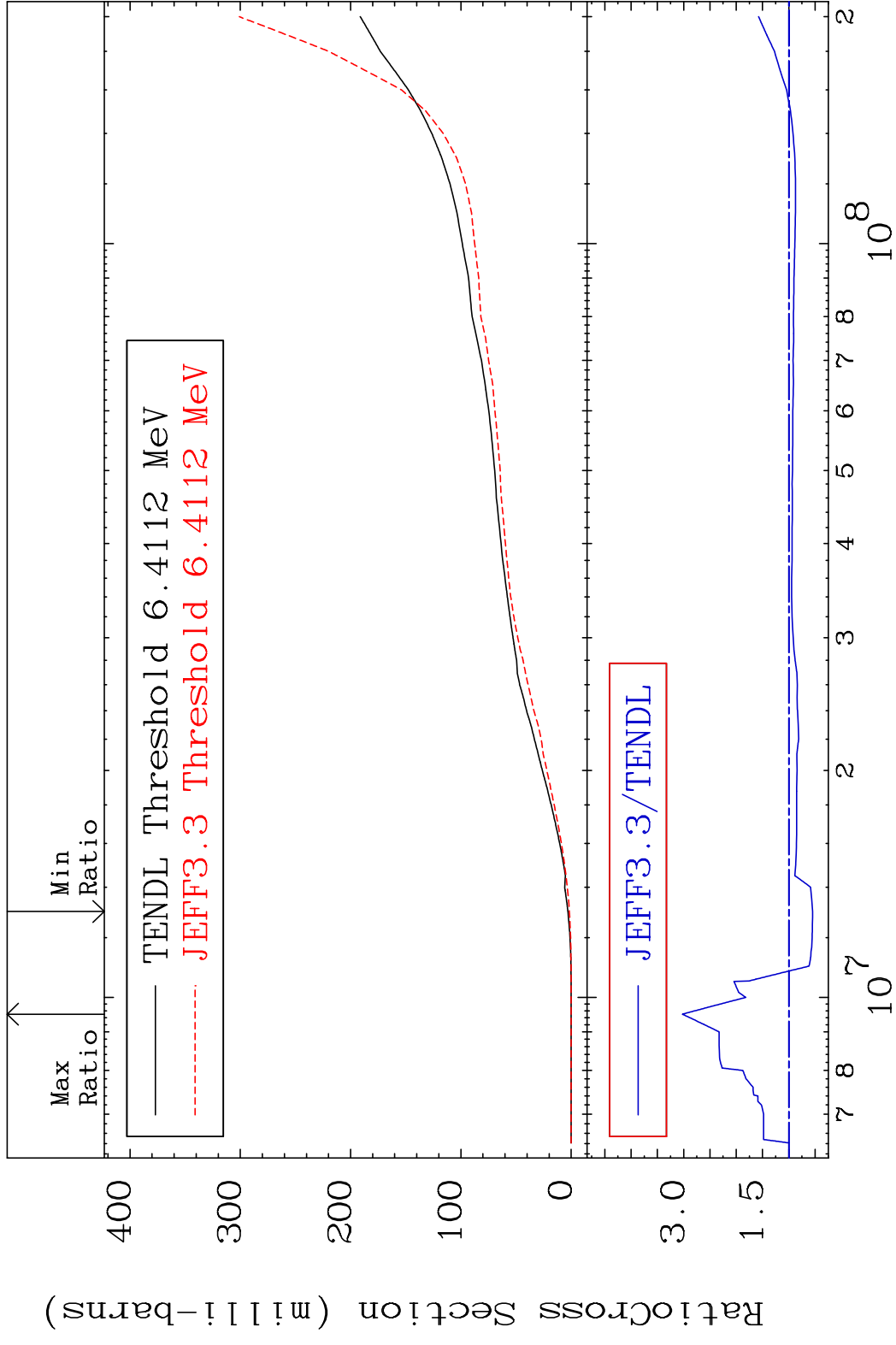


MAT 3425

Deuterium Production

³⁴Se-74

Cross Section -45.13 To 202.5 %

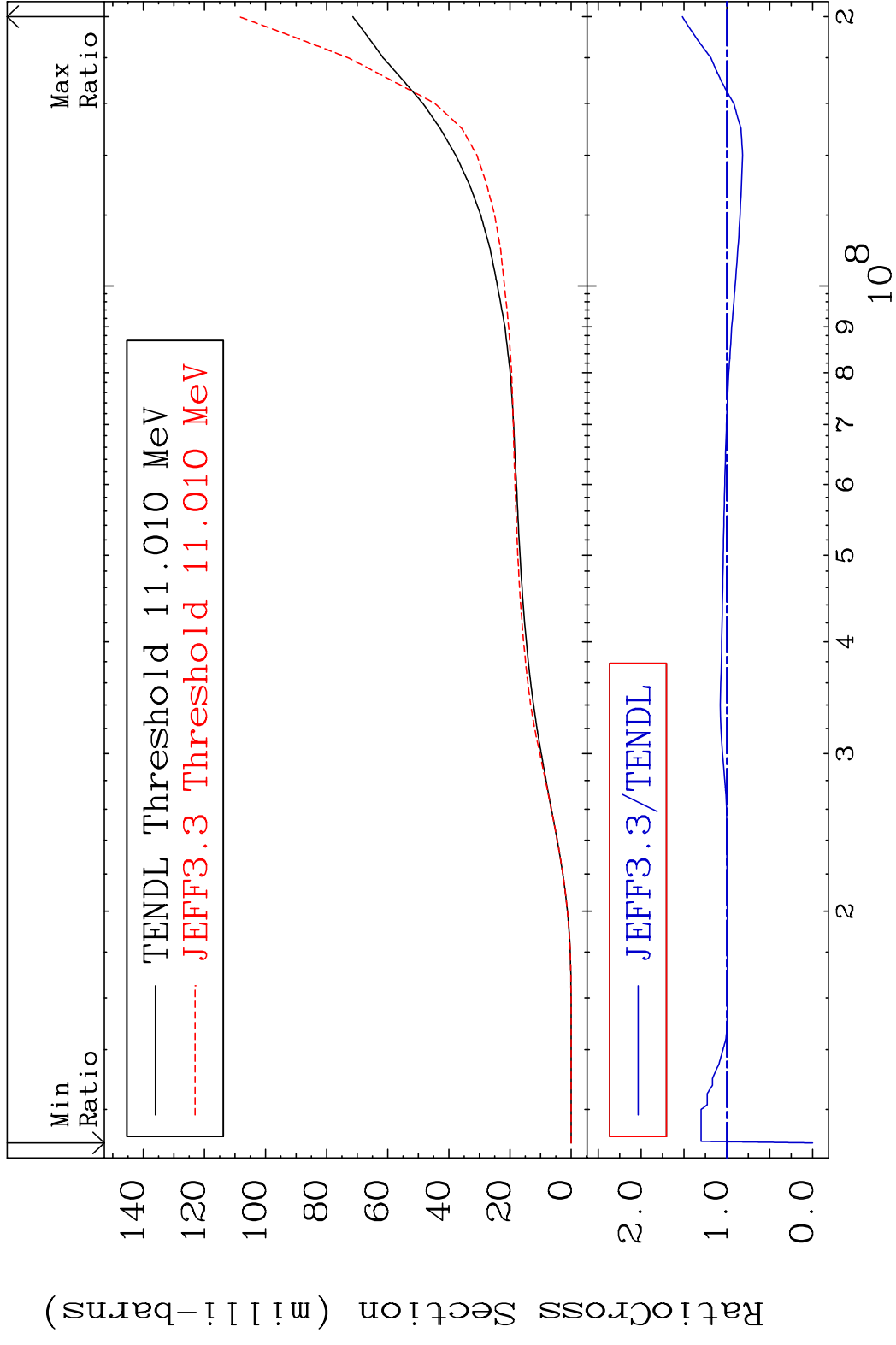


49

Incident Energy (eV)

³⁴Se-74

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

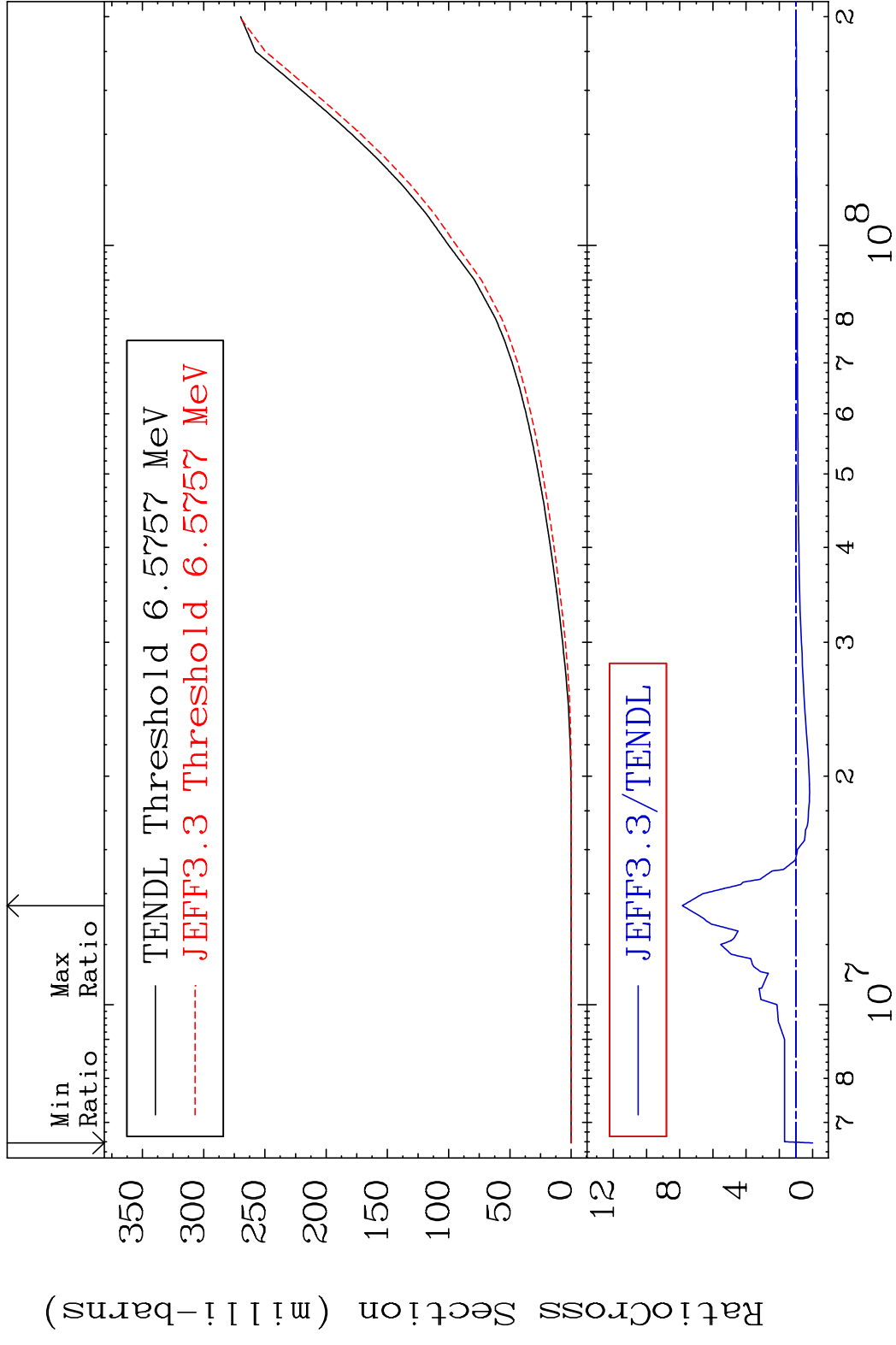


MAT 3425

He-3 Production

34-Se-74

Cross Section -100.0 To 683.9 %

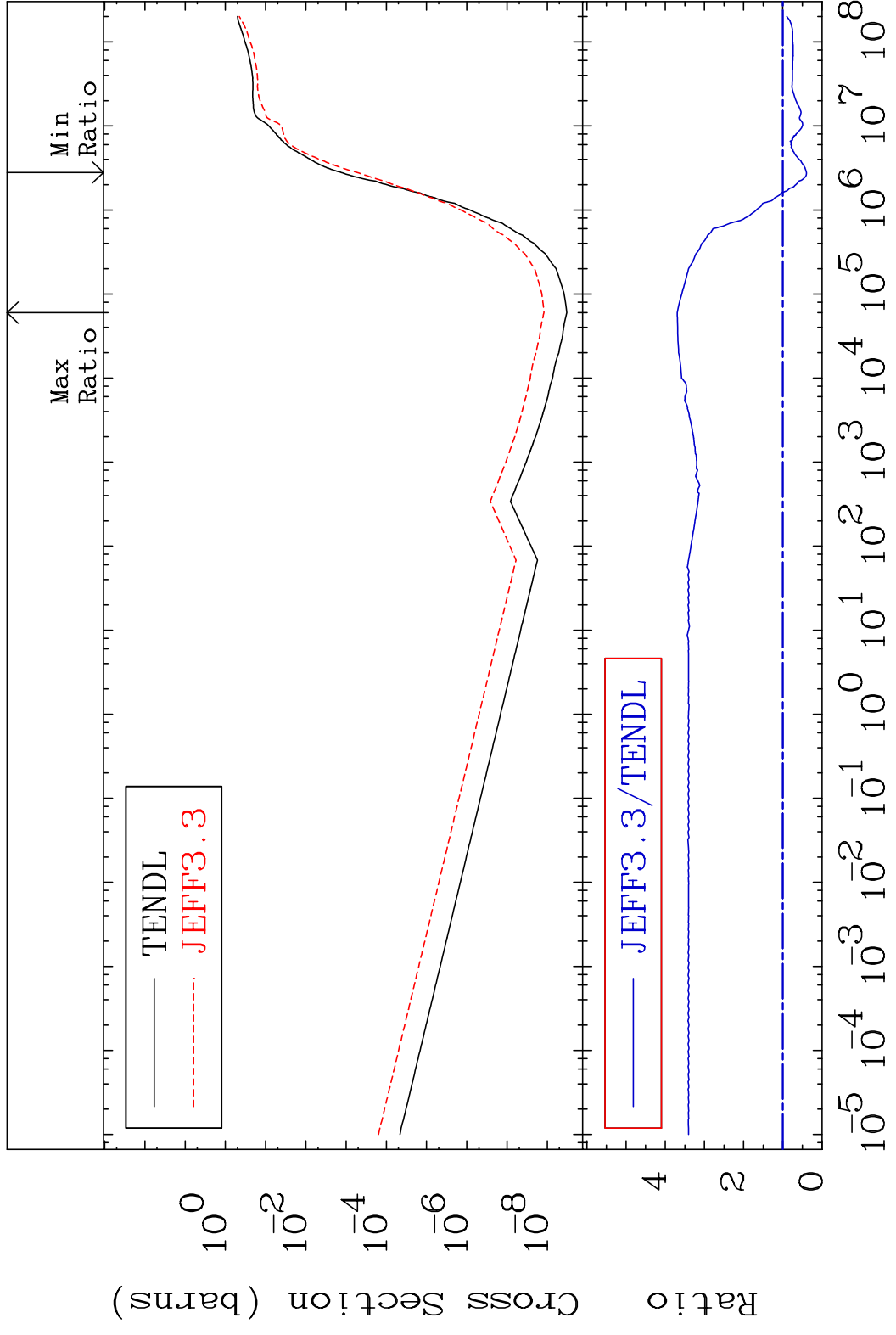


MAT 3425

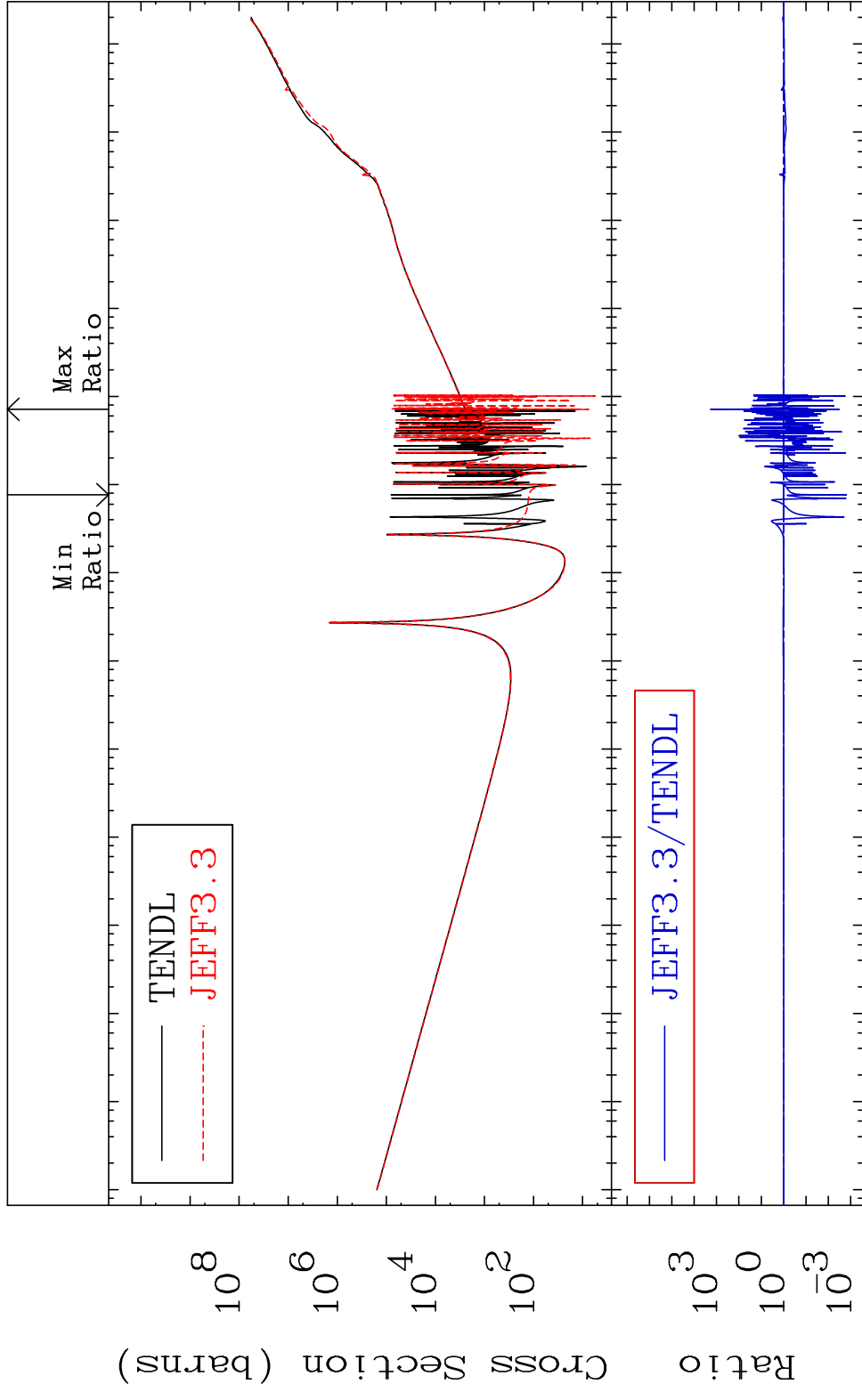
He-4 Production

34-Se-74

Cross Section -60.22 To 269.5 %

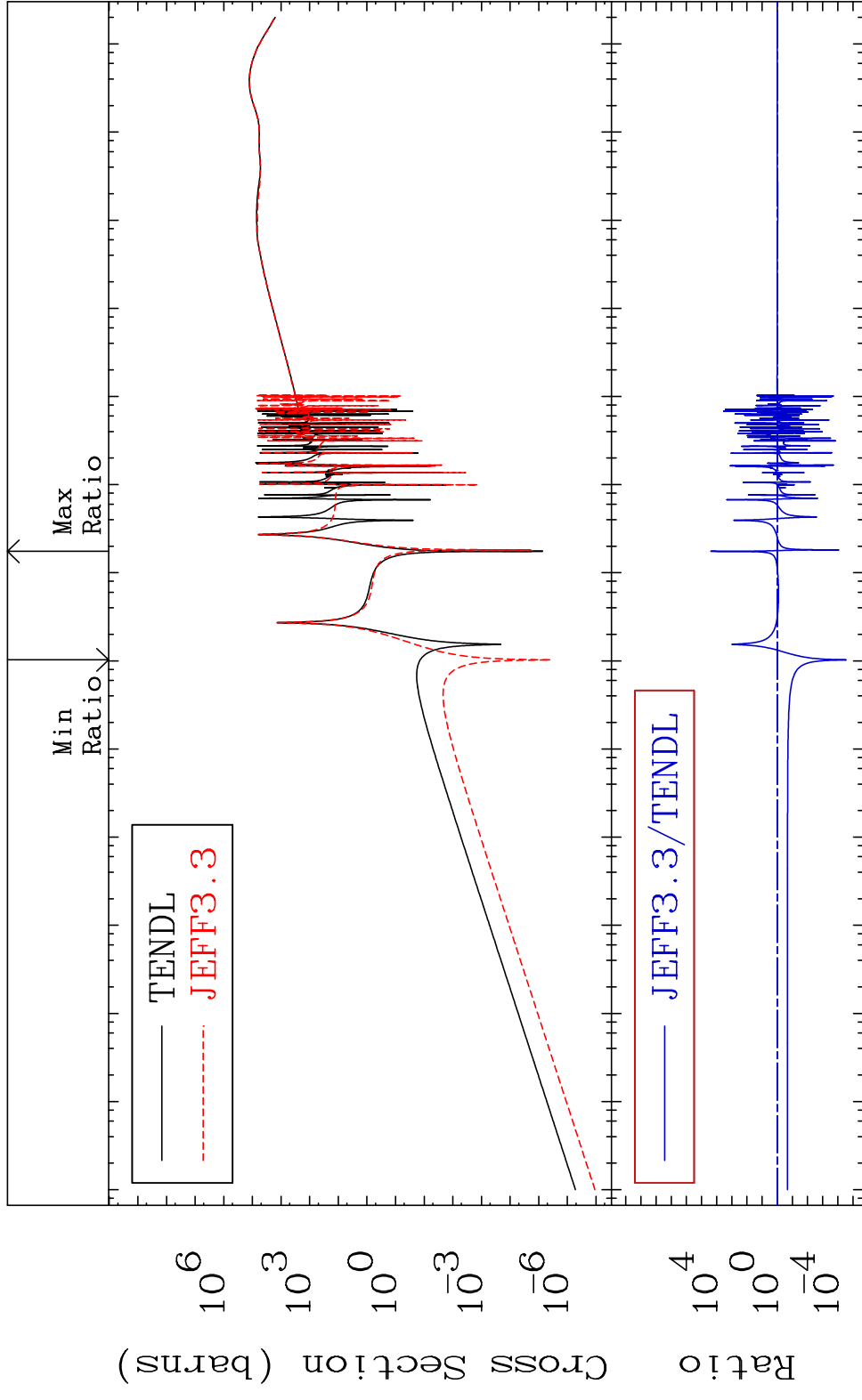


MAT 3425 Kerma total (eV-barns) 34-Se-74
 Cross Section -99.84 To 9999. %

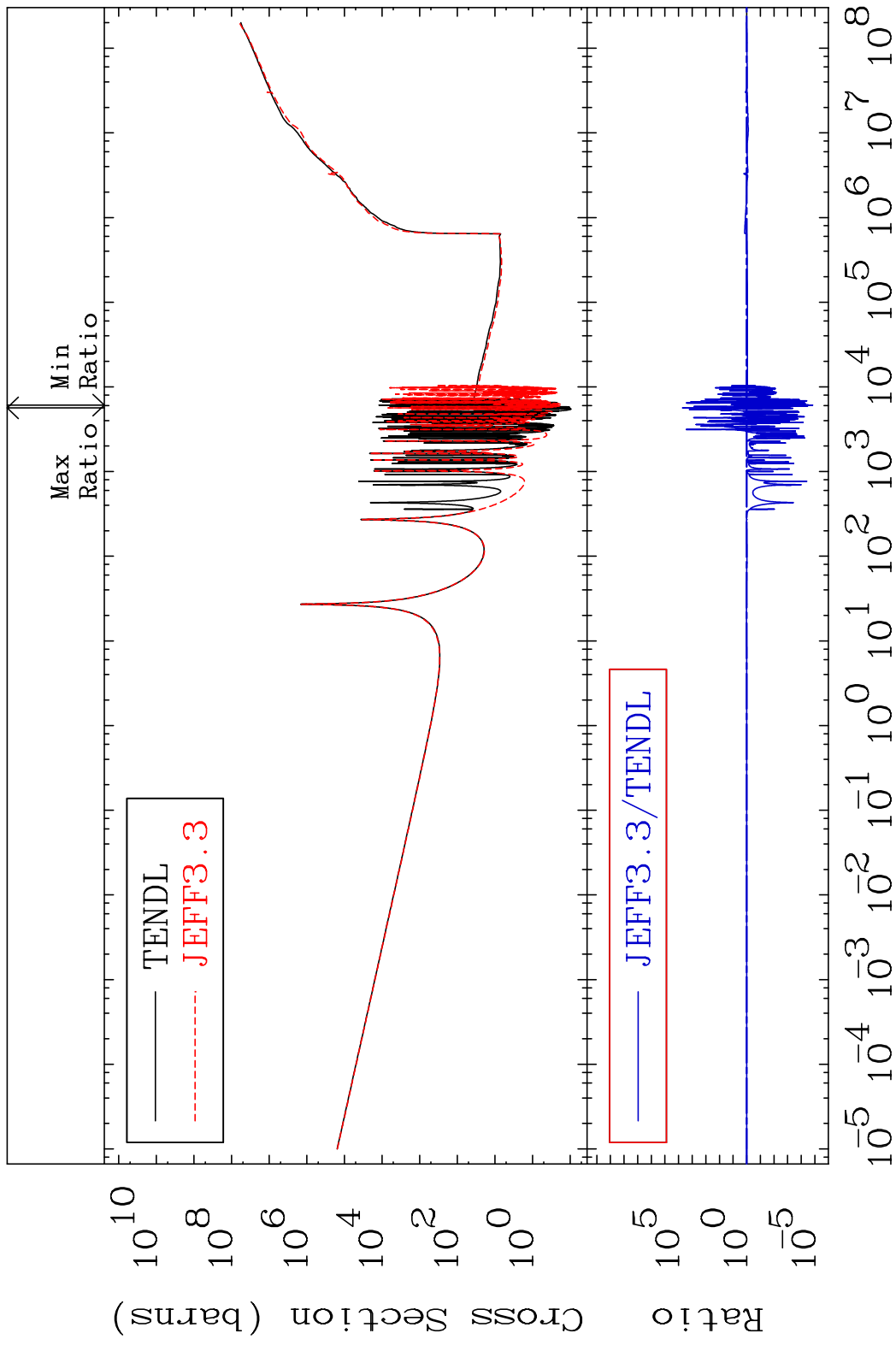


MAT 3425

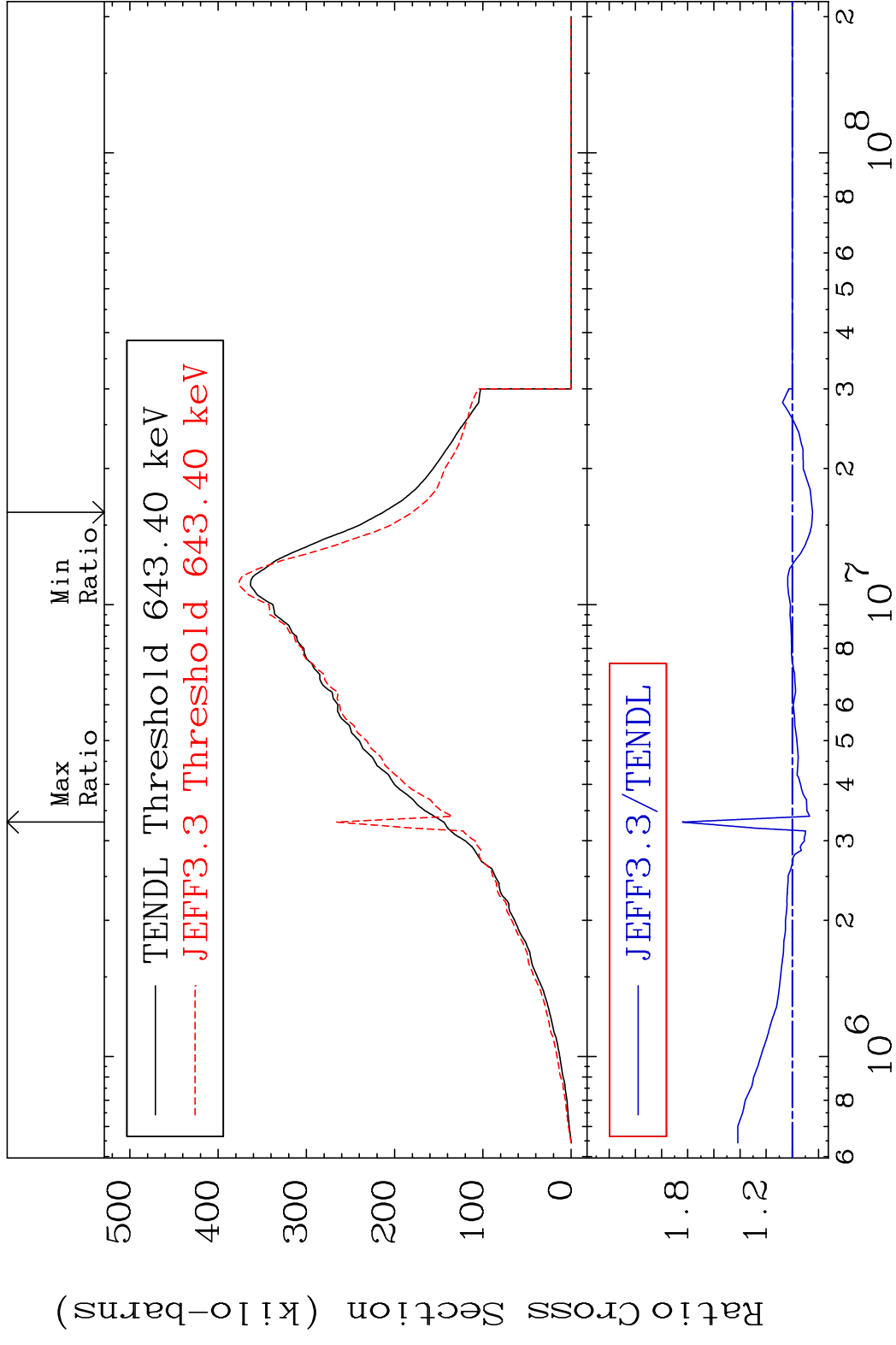
Kerma elastic Cross Section -100.0 To 9999. %
34-Se-74



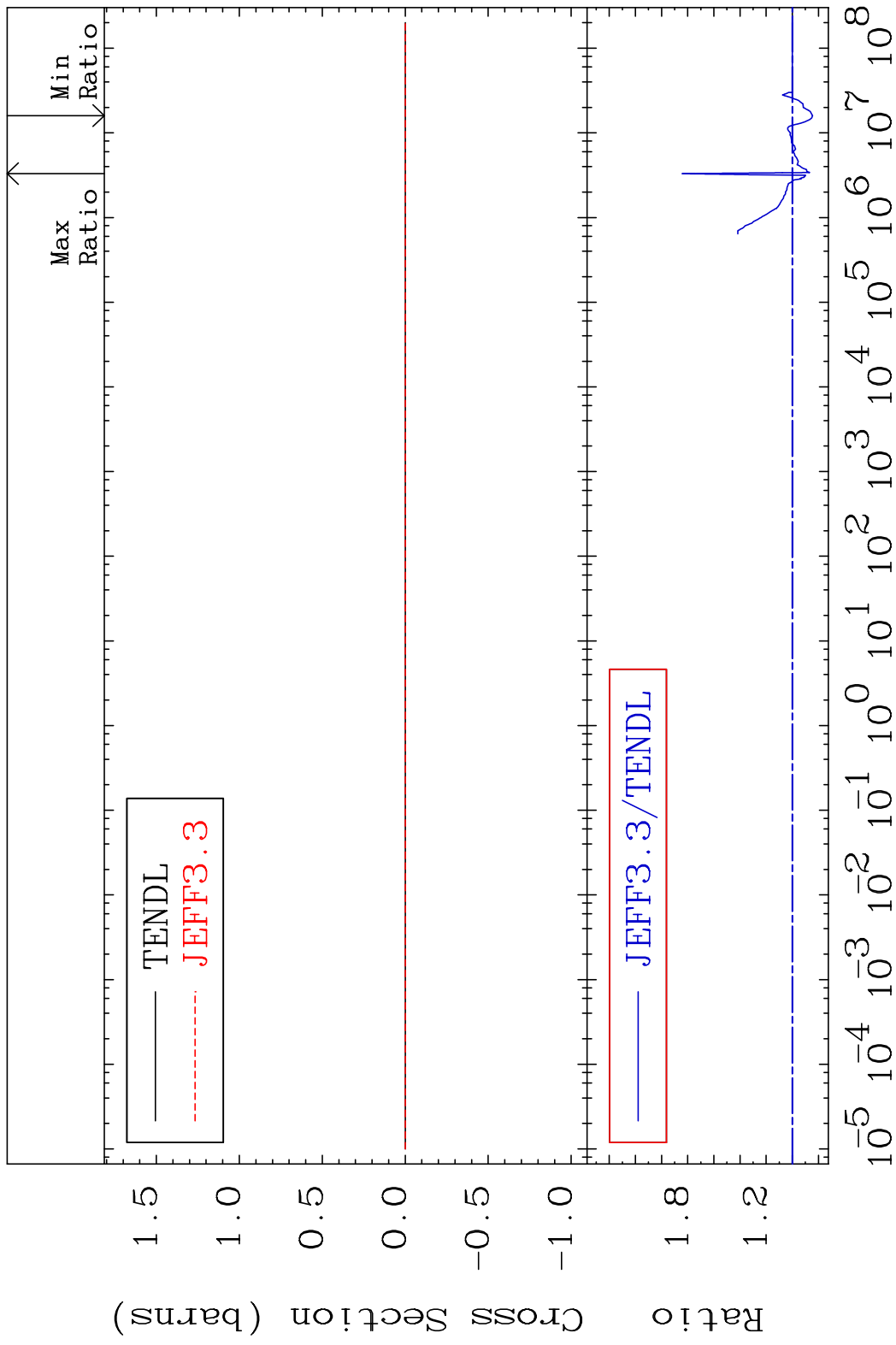
MAT 3425 Kerma non-elastic (all but mt2) 34-Se-74
 Cross Section -100.0 To 9999. %



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

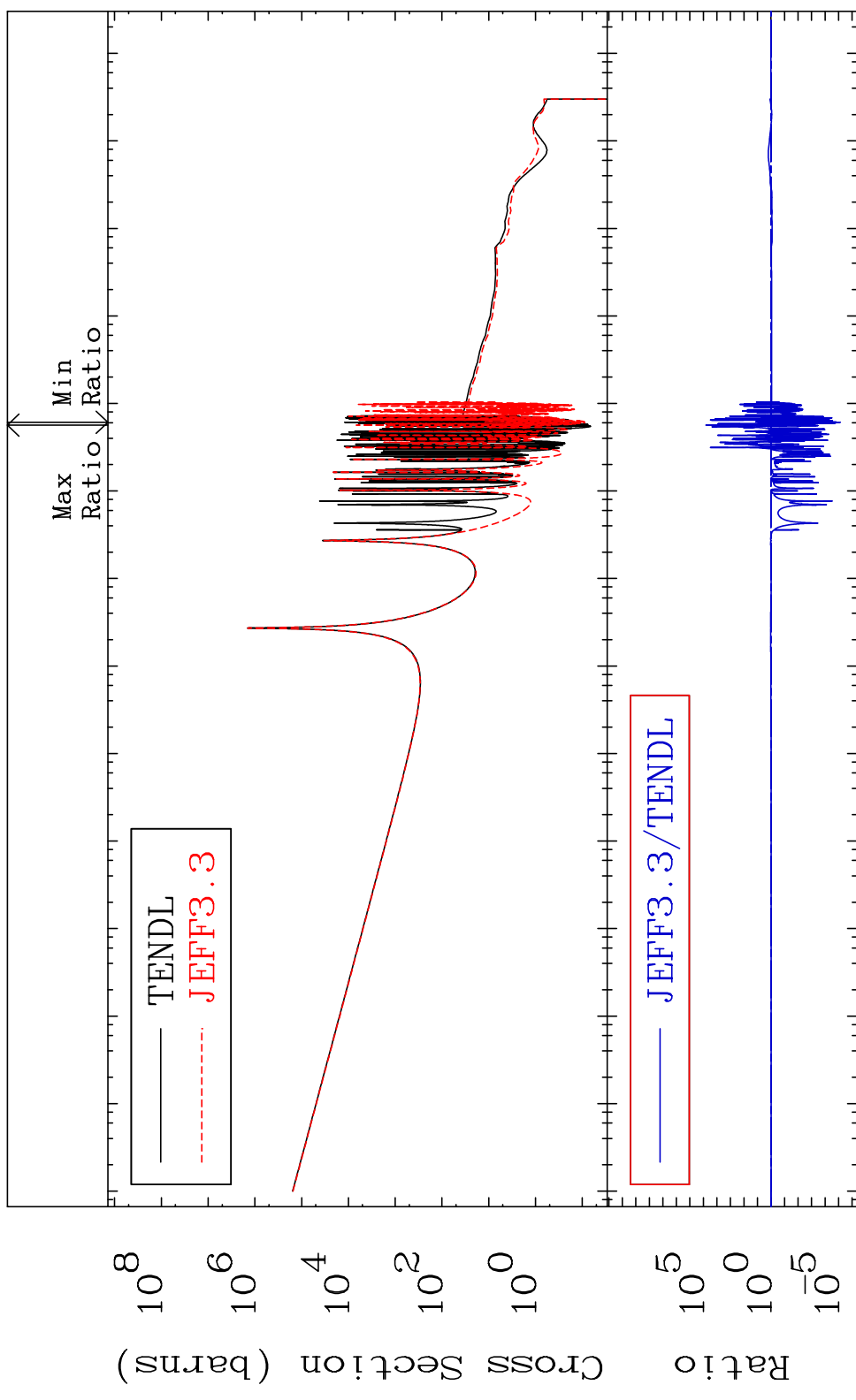


MAT 3425 Kerma fission (mt18 or mt19-20-21-38) 34-Se-74
 Cross Section -15.51 To 84.10 %



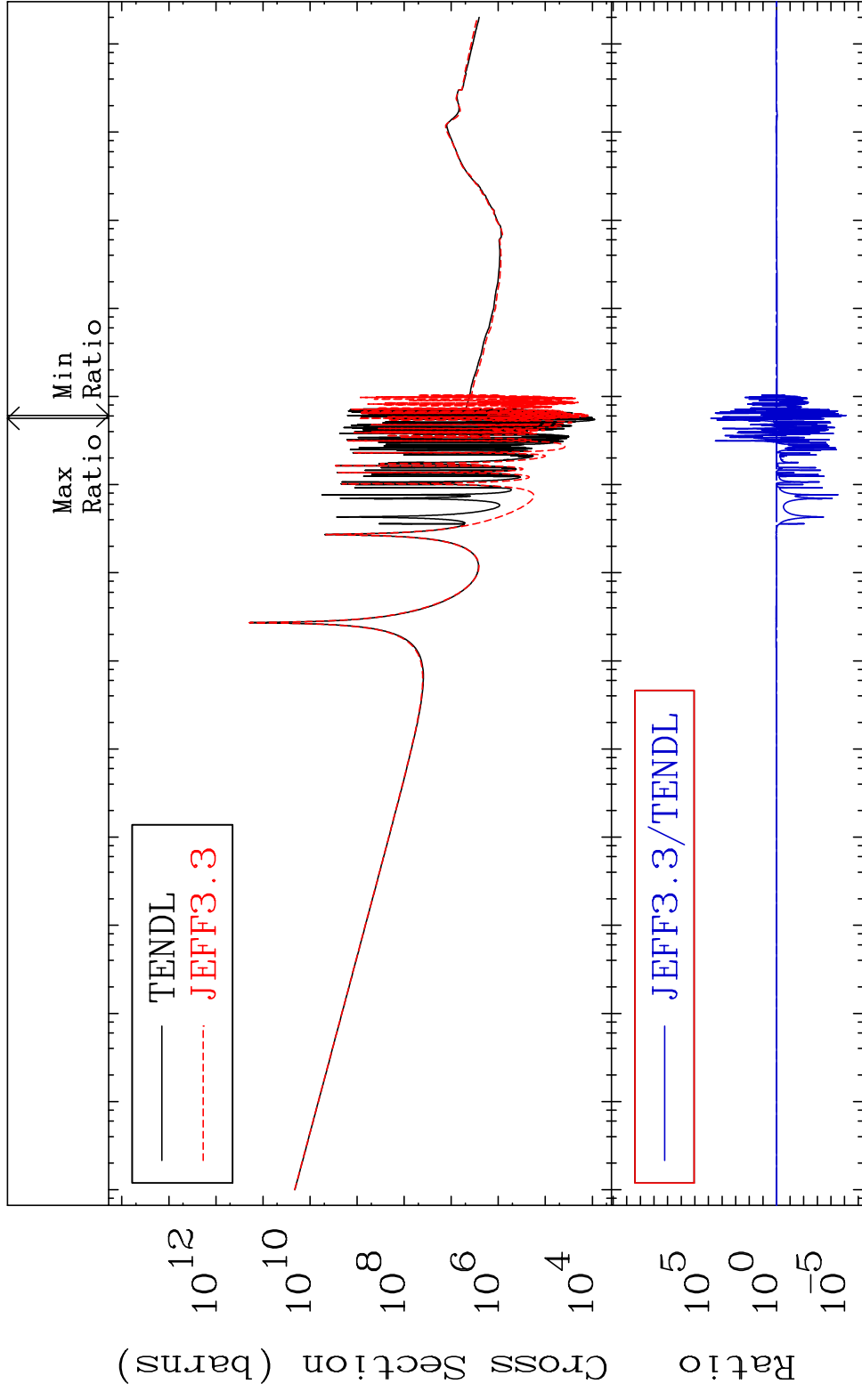
MAT 3425

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

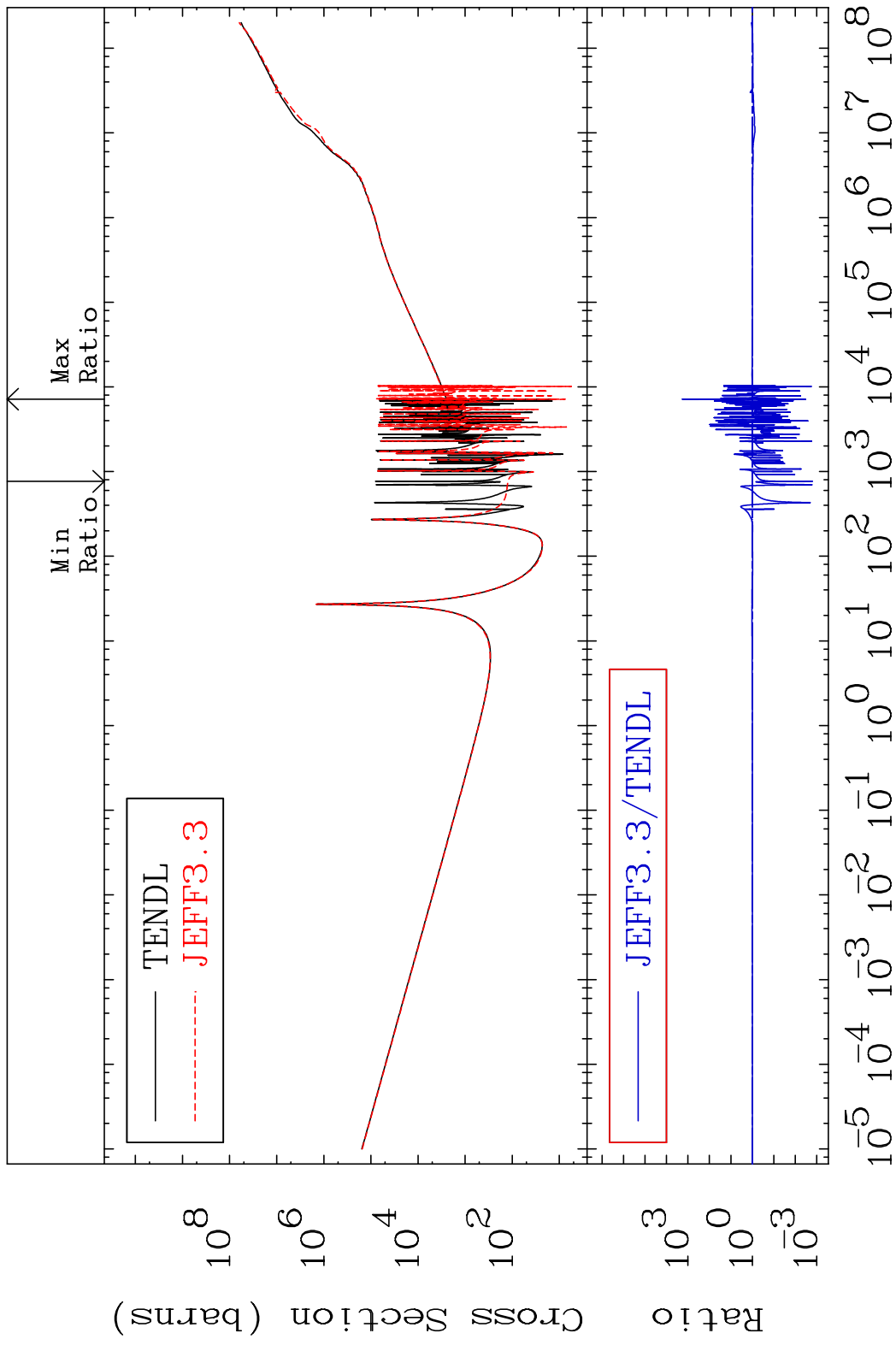


MAT 3425

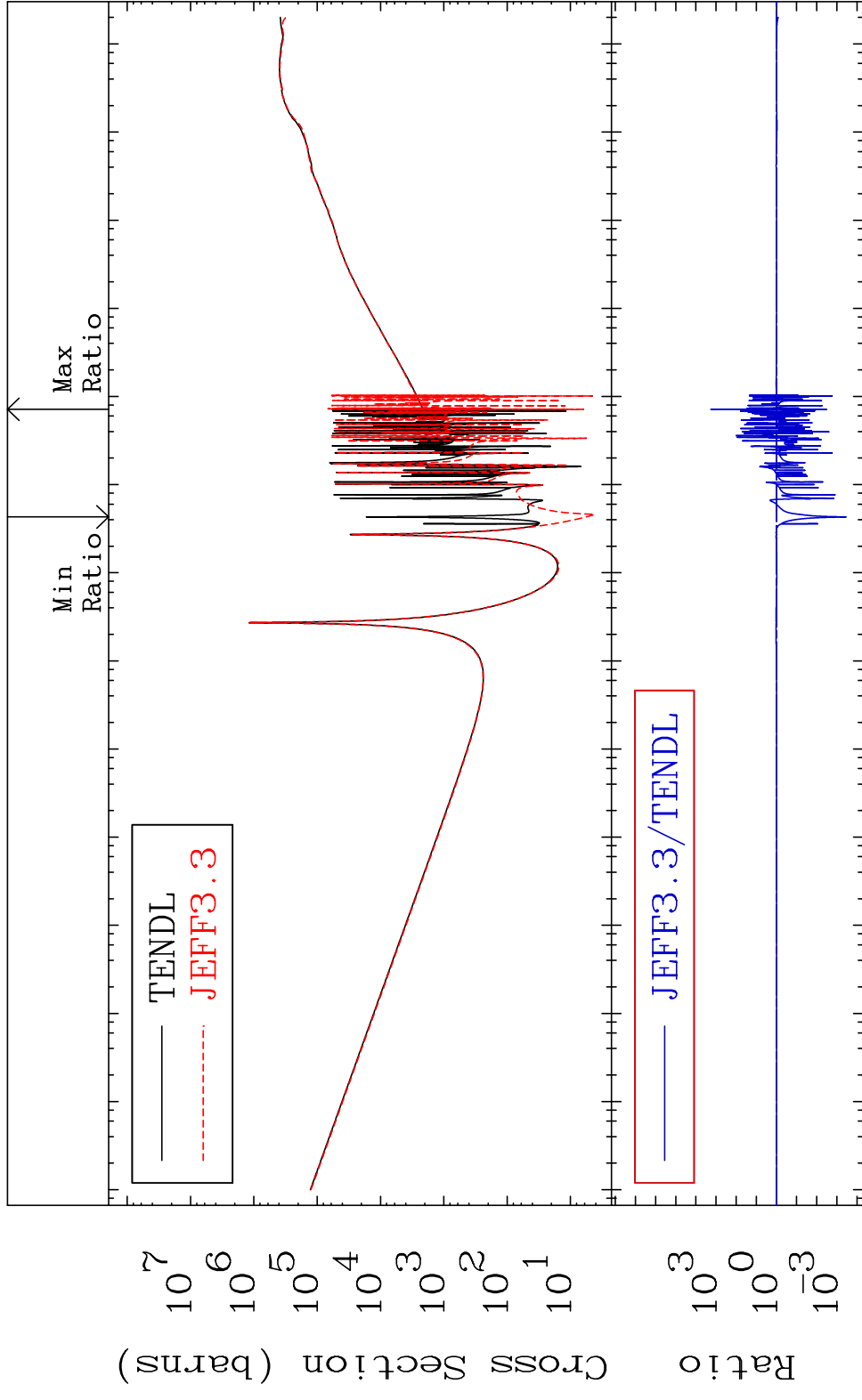
Total photon (eV-barns) 34-Se-74
Cross Section -100.0 To 9999. %



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



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

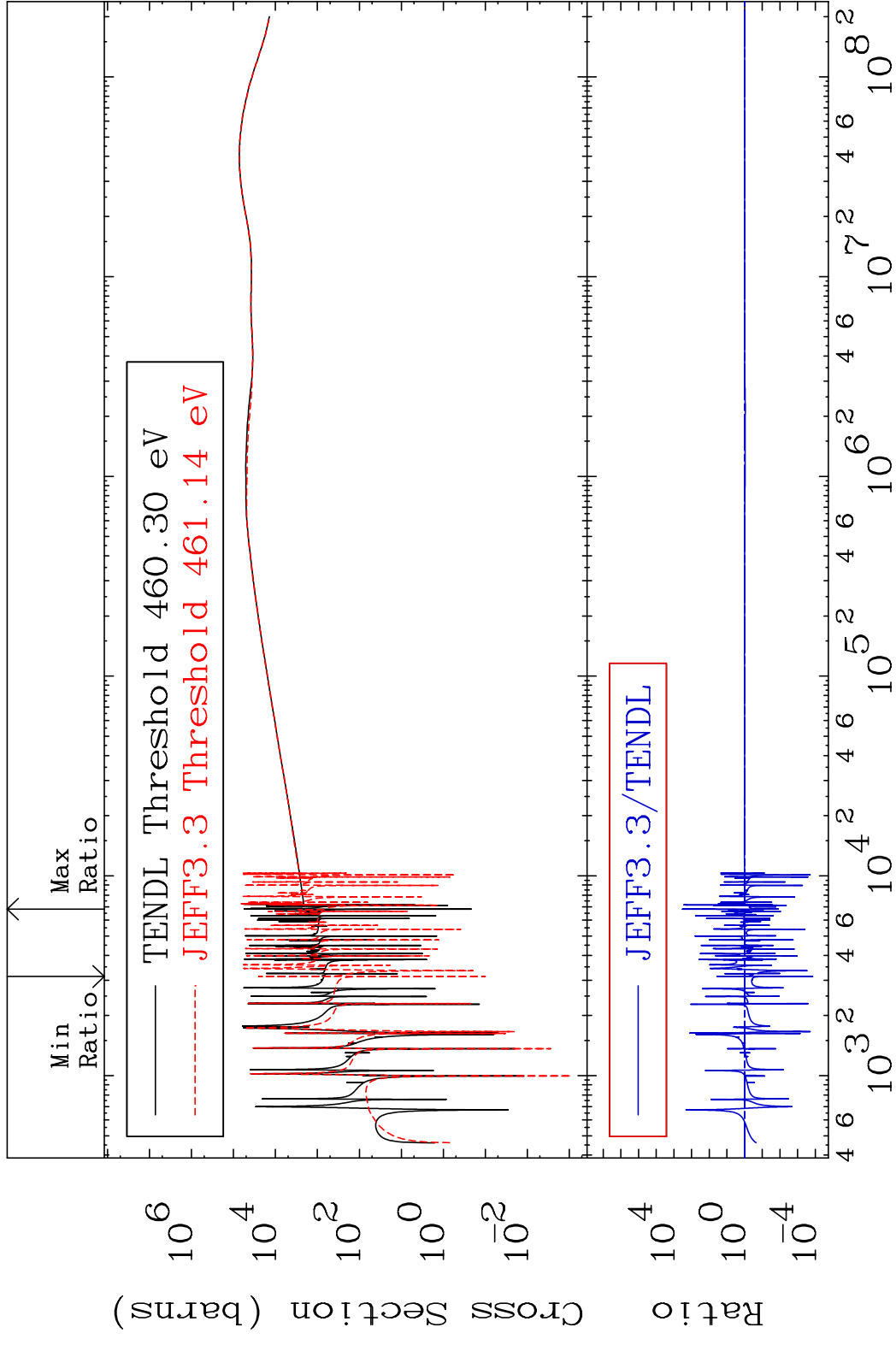


MAT 3425

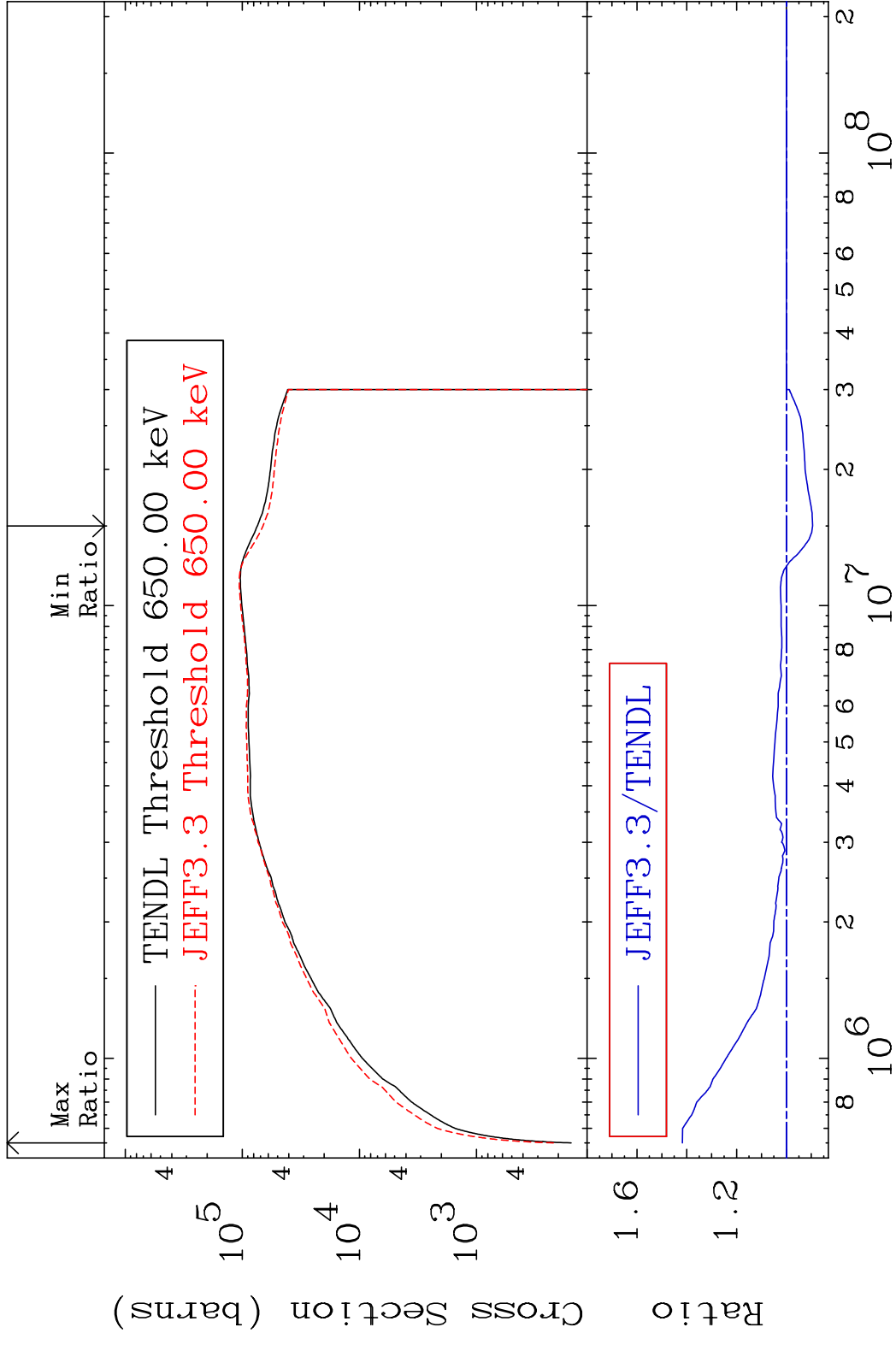
Dpa elastic (mt2)

34-Se-74

Cross Section -99.99 To 9999. %

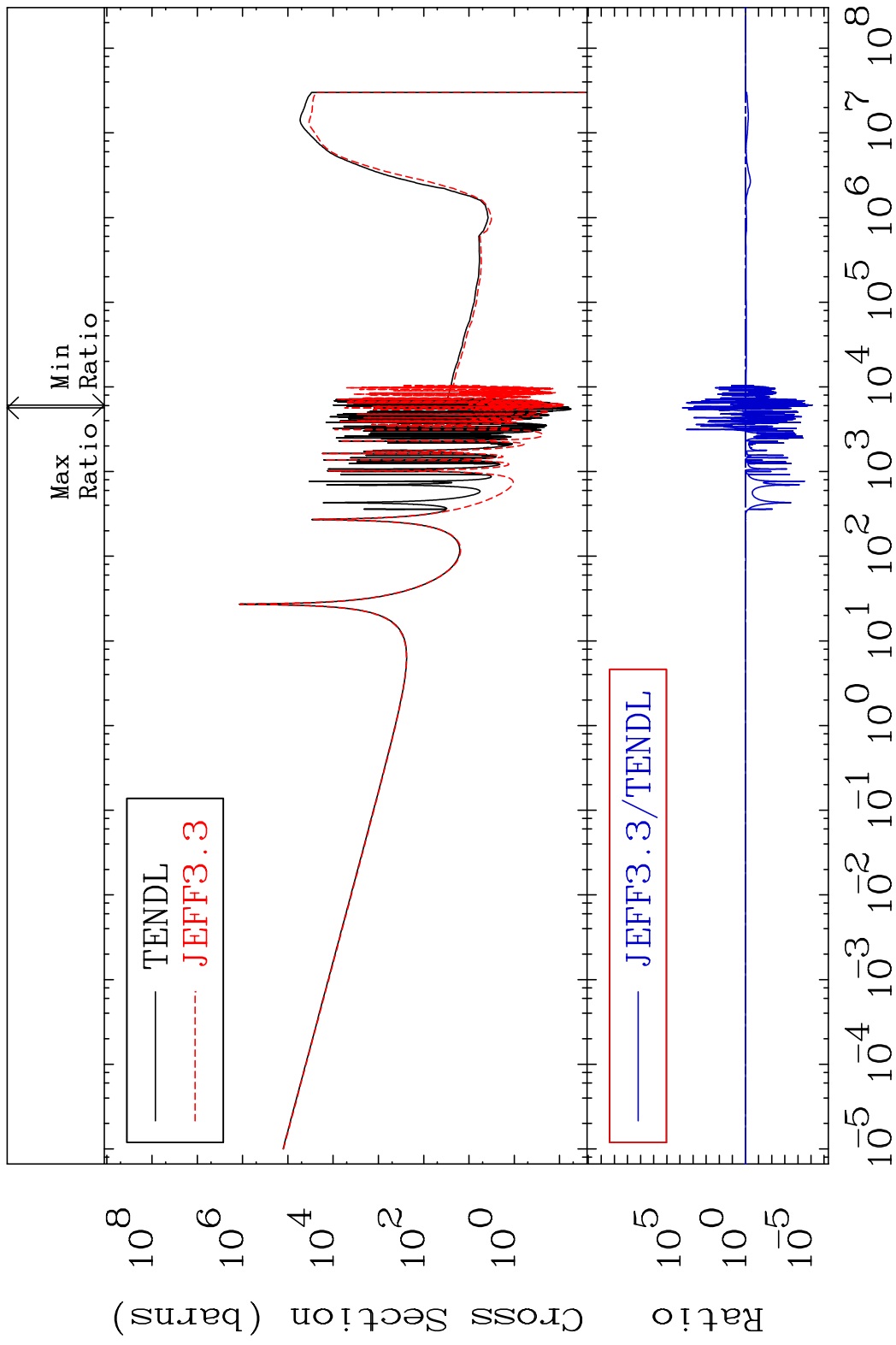


MAT 3425 Dpa inelastic (mt51-91) 34-Se-74
 Cross Section -10.51 To 41.75 %



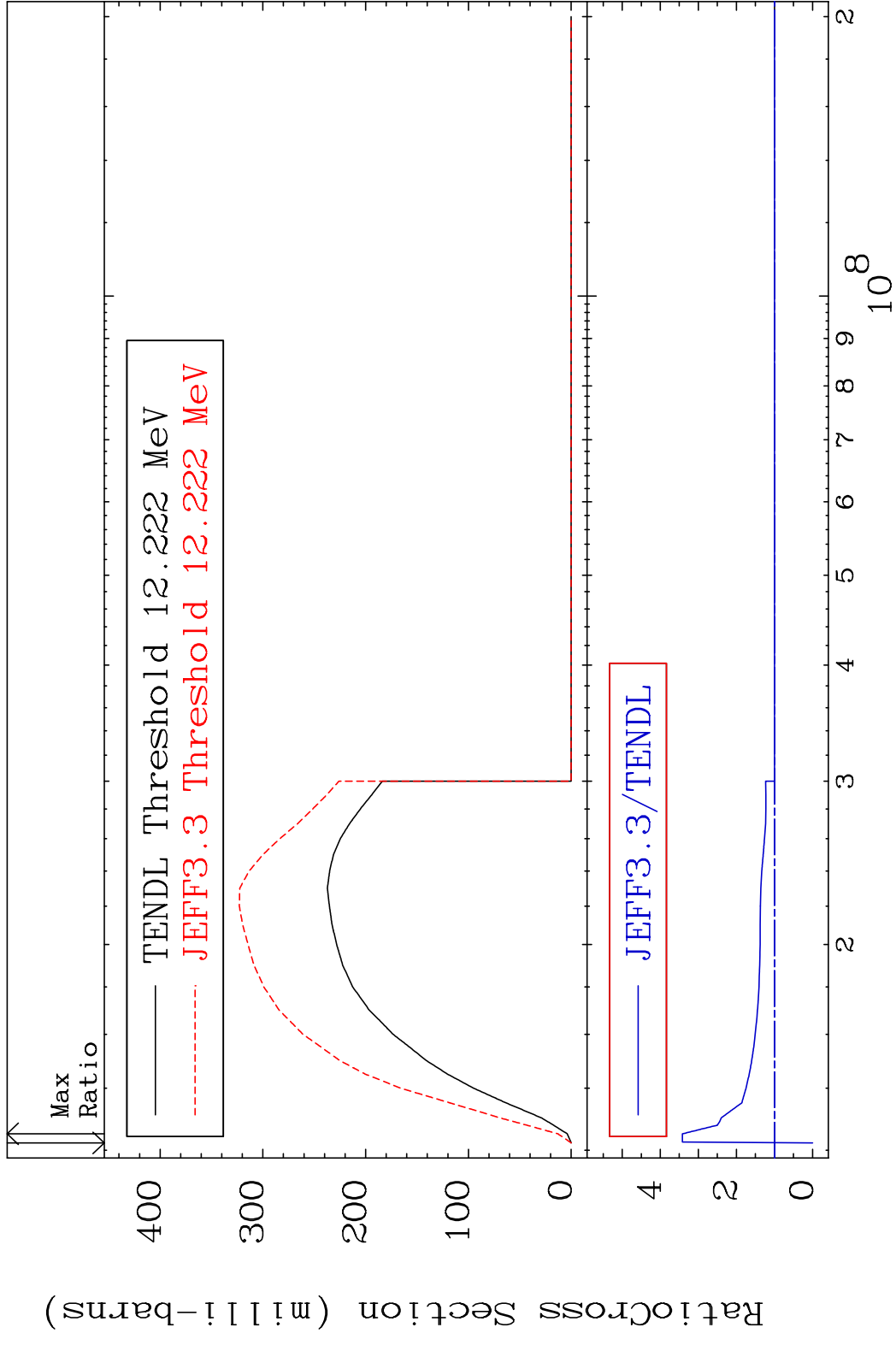
63 Incident Energy (eV) 34-Se-74

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

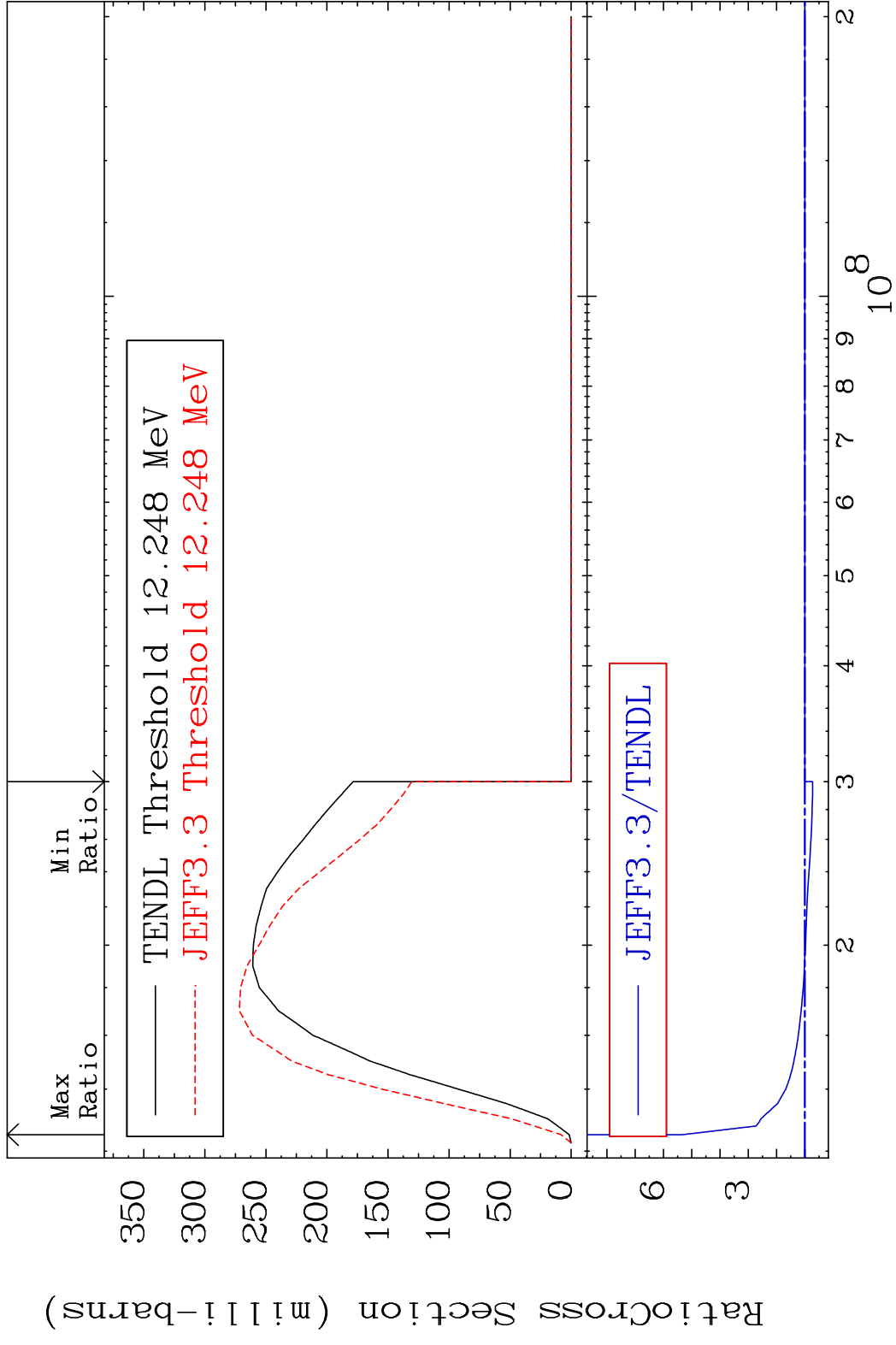


64 Incident Energy (eV) 34-Se-74

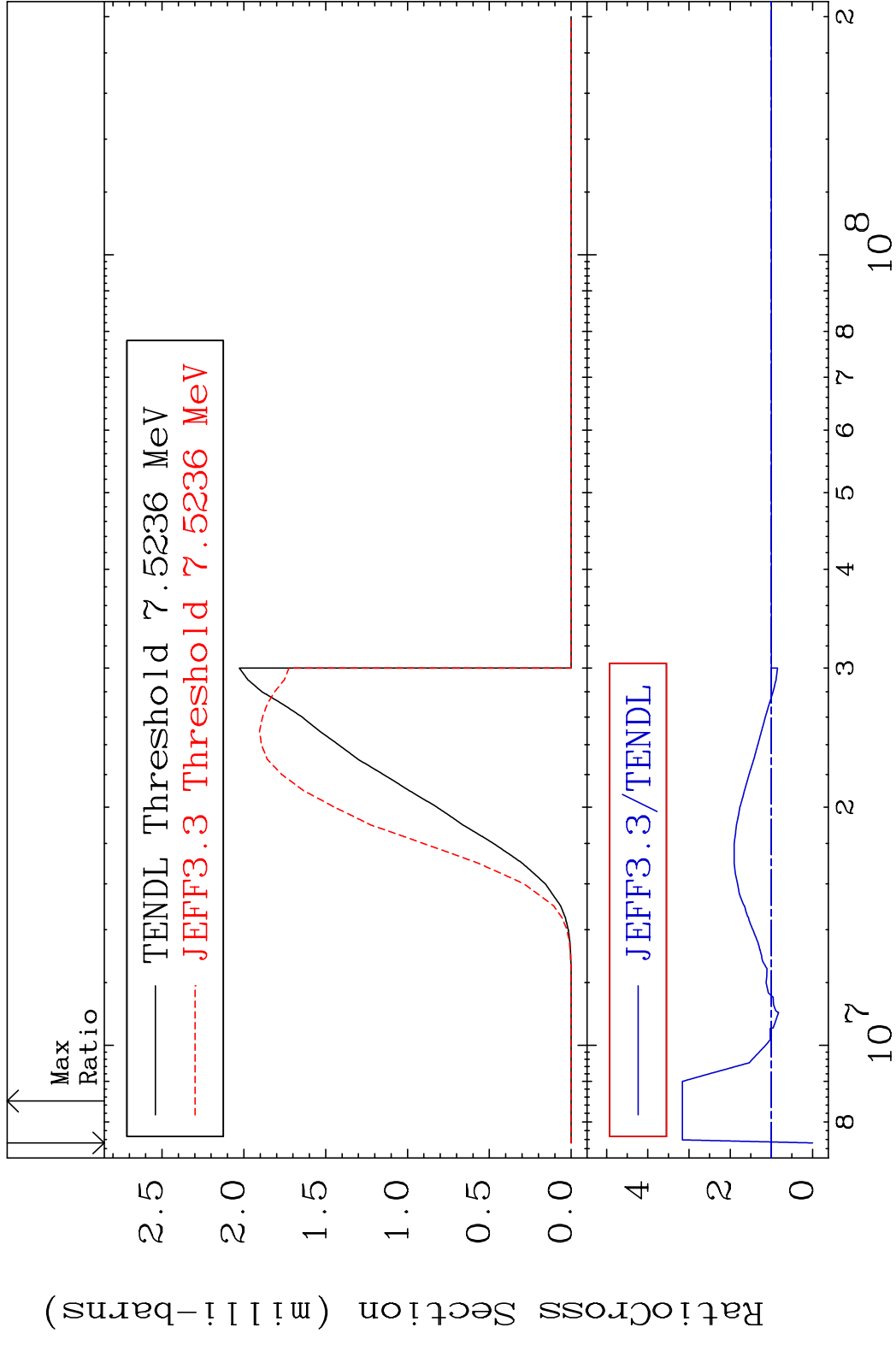
MAT 3425 (n,2n):34-Se-73g 34-Se-74
 Radionuclide Production Cross Section Ratio 242.0 %



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 Ratio 216.2 %



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

