

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

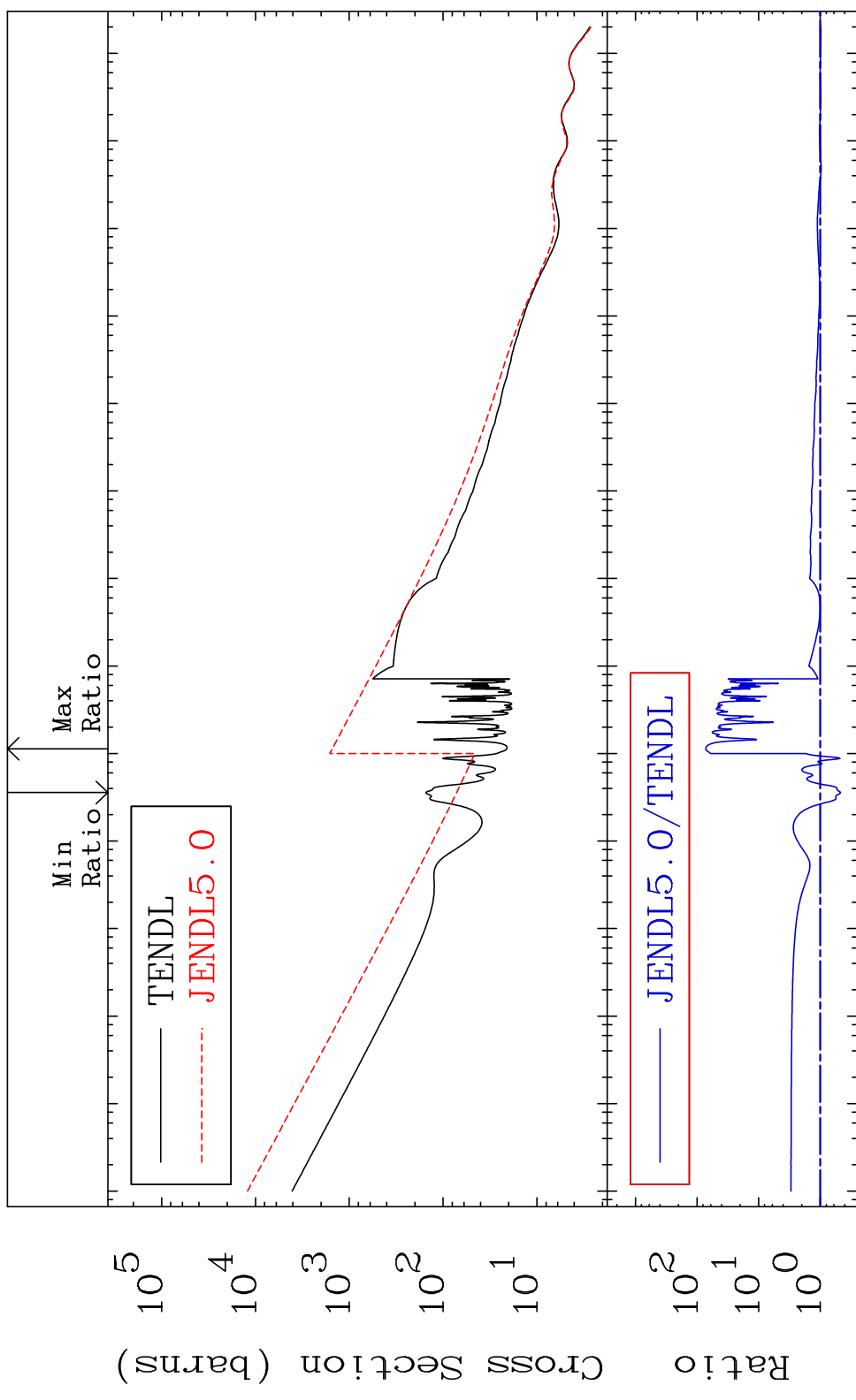
Press Mouse Button to Start

MAT 7516

Total

75-Re-182

Cross Section -52.92 To 7125. %



1

Incident Energy (eV)

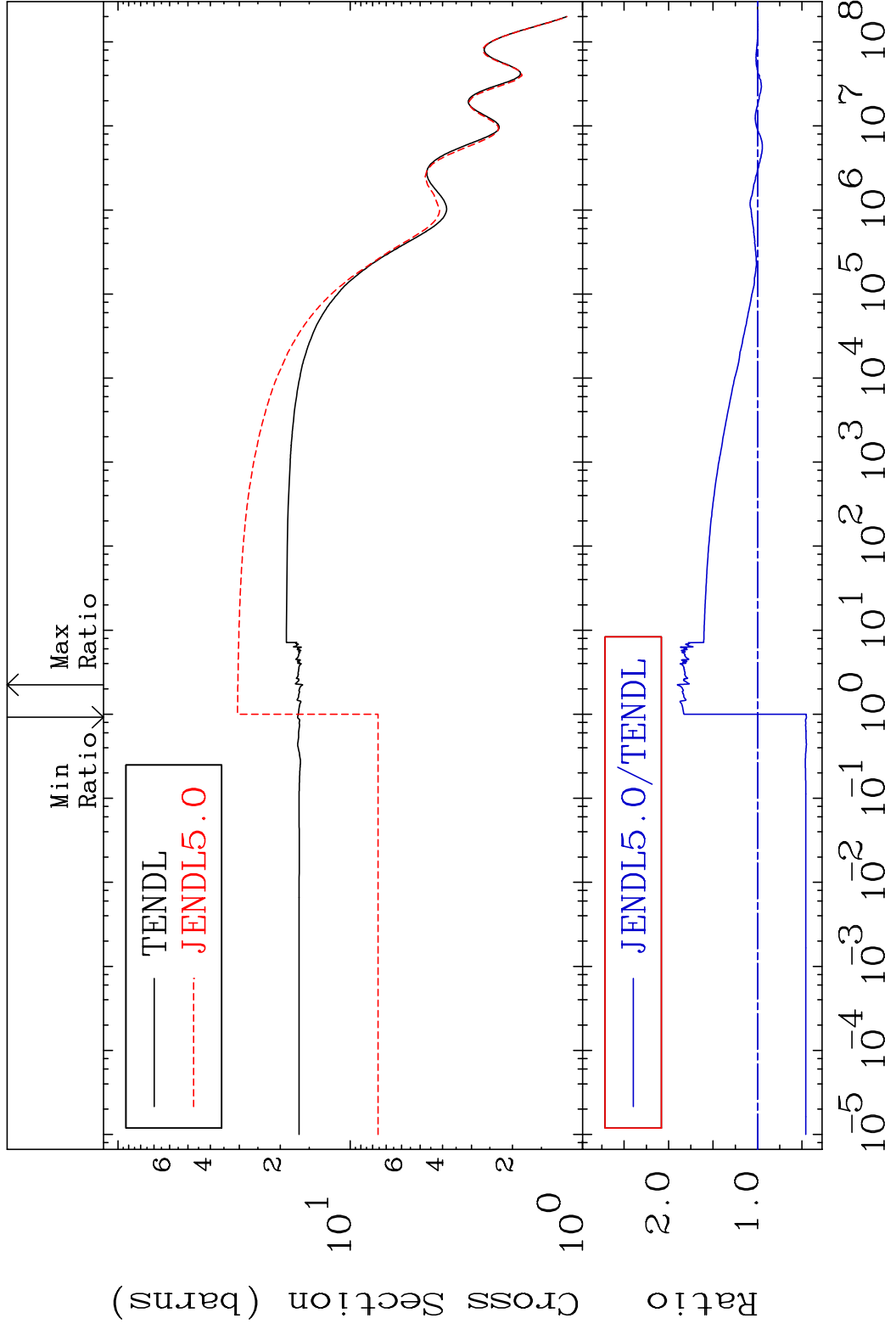
75-Re-182

MAT 7516

Elastic

75-Re-182

Cross Section -54.95 To 90.35 %



2

Incident Energy (eV)

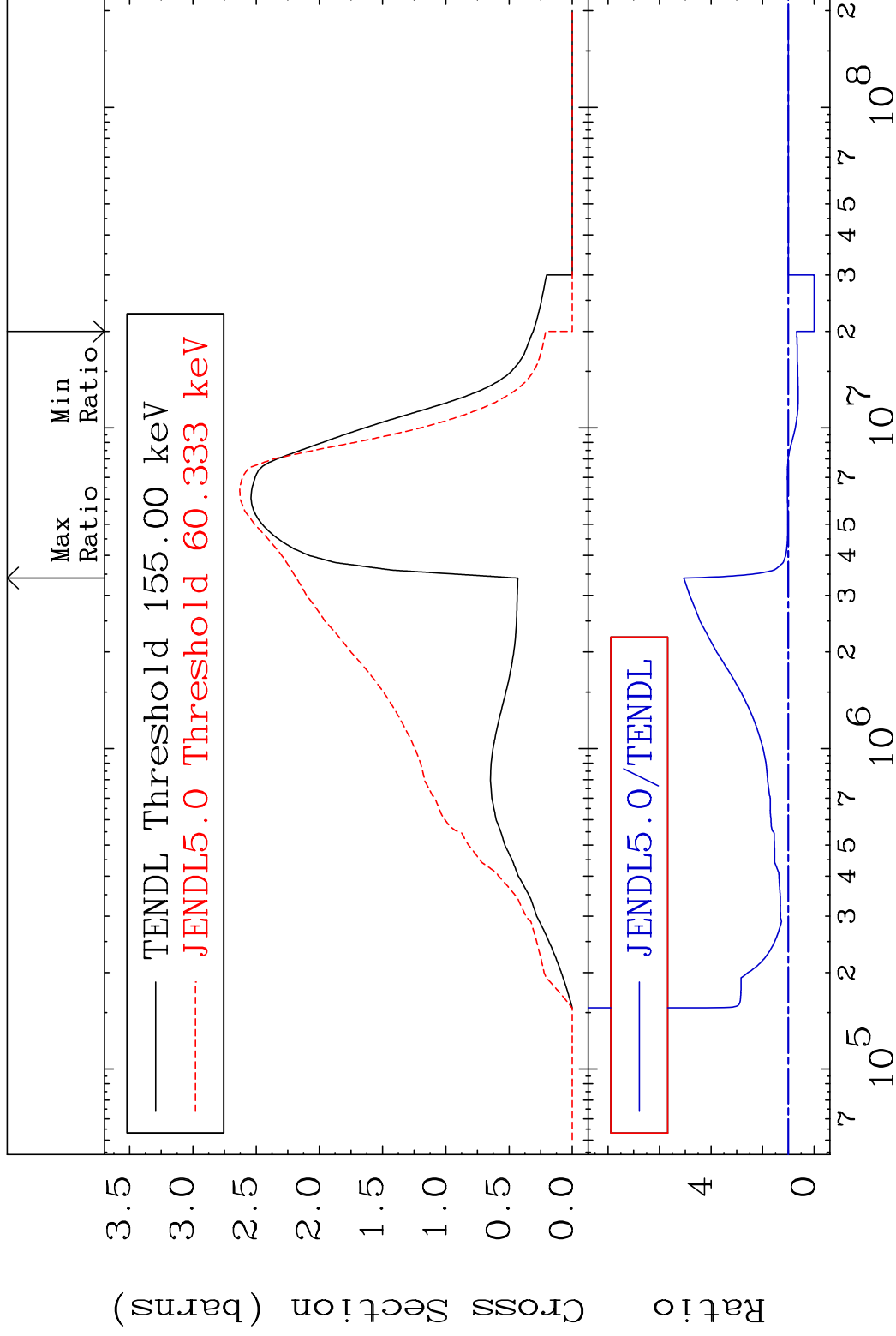
75-Re-182

MAT 7516

Inelastic

75-Re-182

Cross Section -100.0 To 406.2 %



3

Incident Energy (eV)

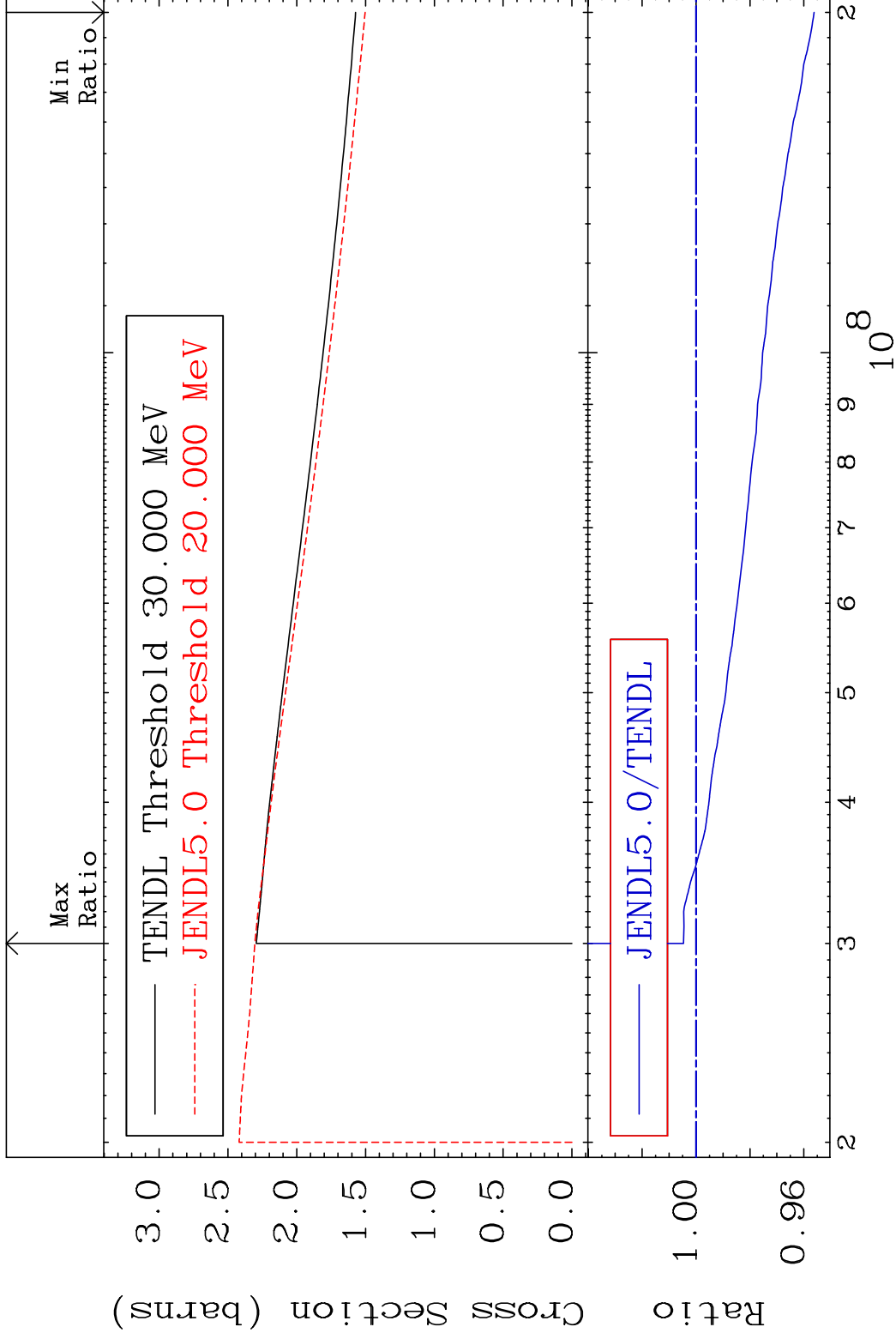
75-Re-182

MAT 7516

(n, remainder)

75-Re-182

Cross Section -4.379 To 0.467 %



75-Re-182

Incident Energy (eV)

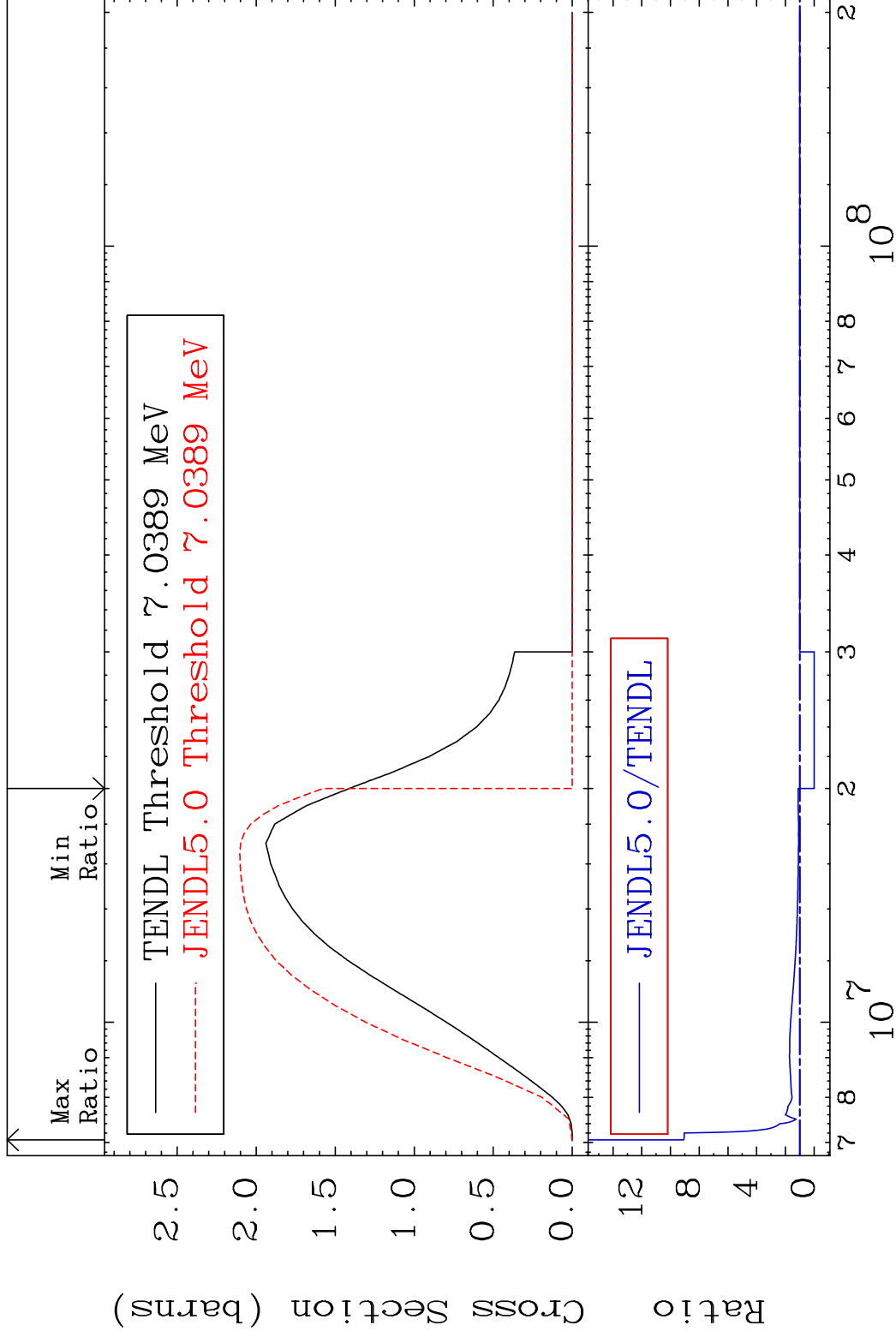
4

MAT 7516

(n,2n)

75-Re-182

Cross Section -100.0 To 808.3 %



5

Incident Energy (eV)

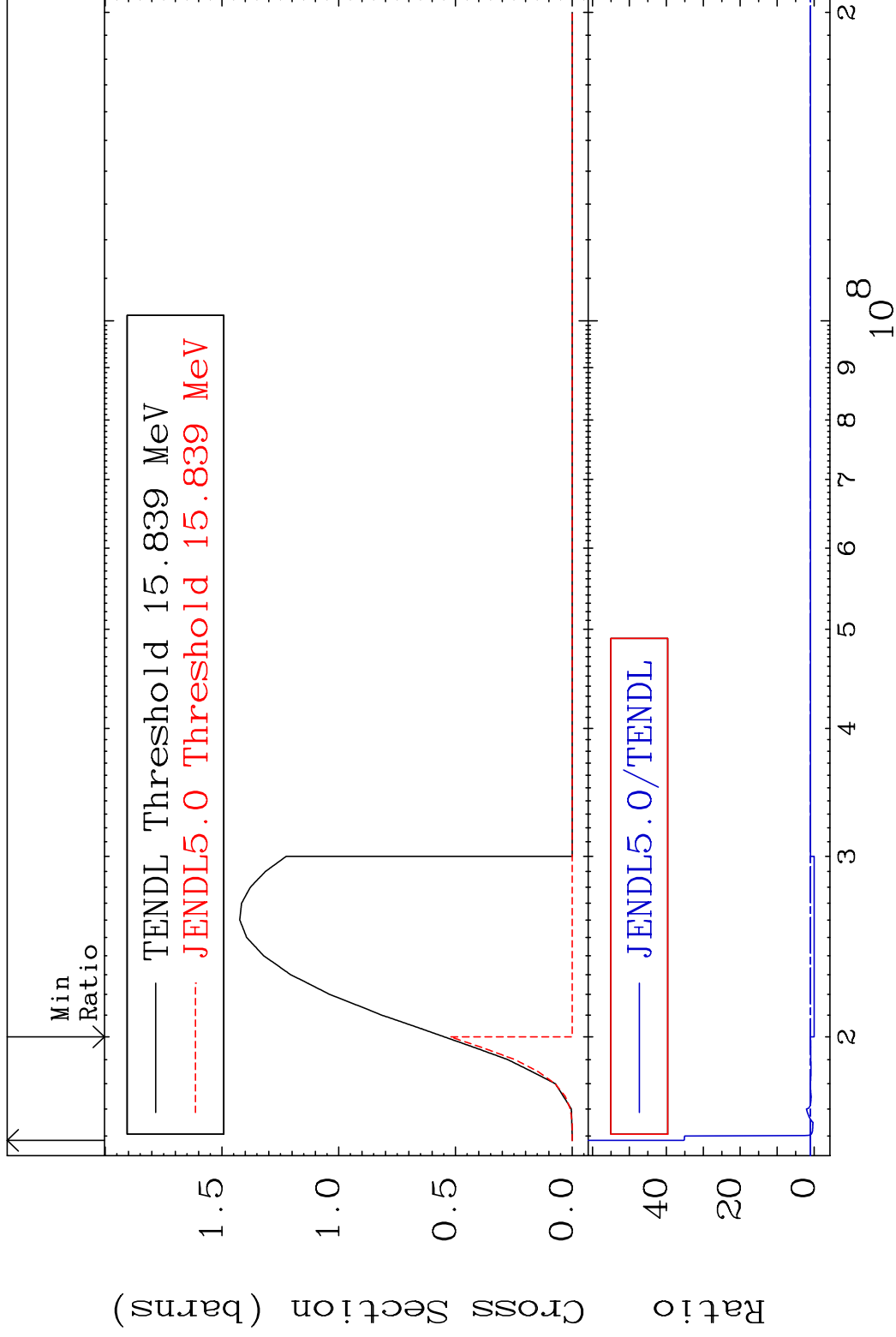
75-Re-182

MAT 7516

(n,3n)

75-Re-182

Cross Section -100.0 To 3431. %



6

Incident Energy (eV)

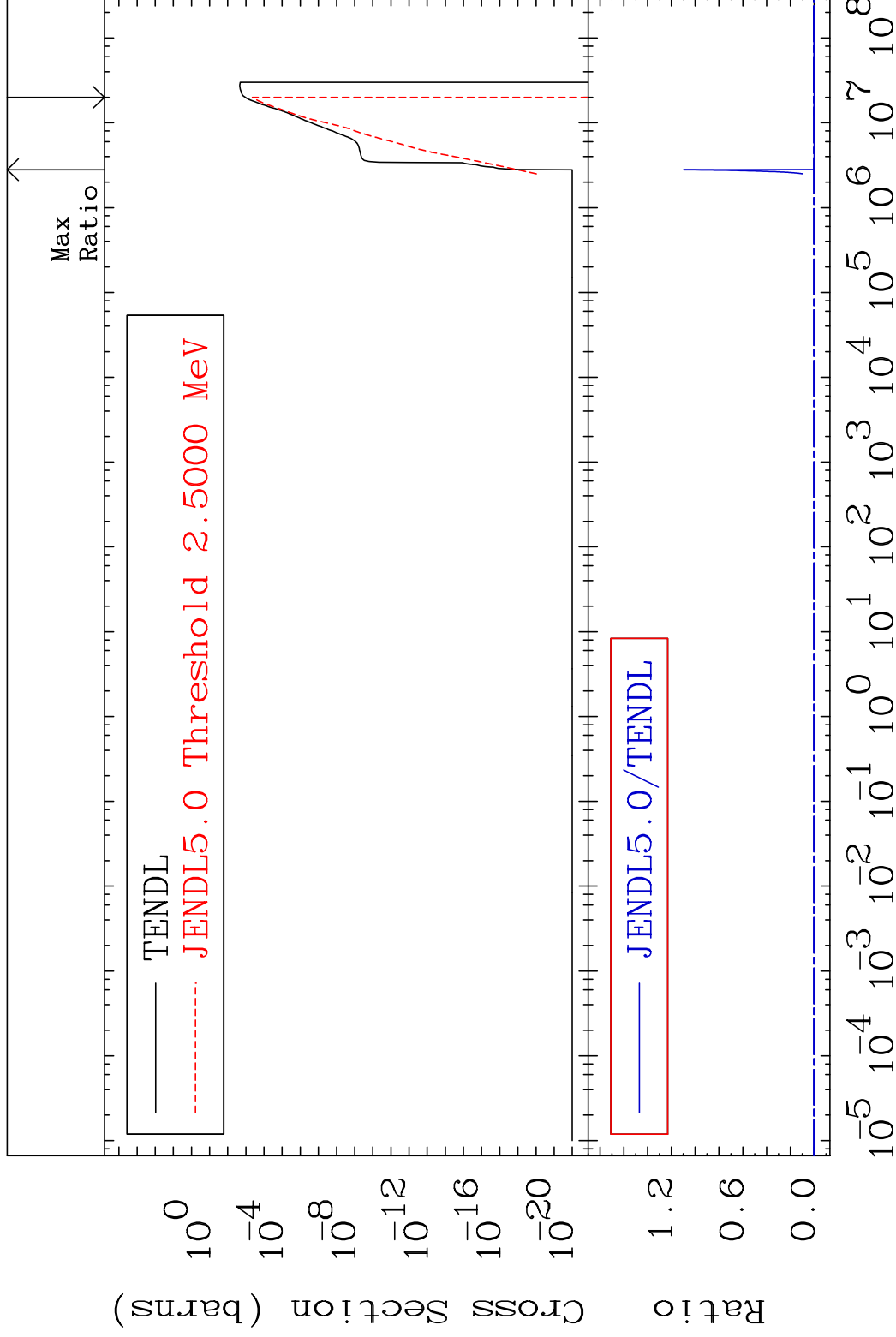
75-Re-182

MAT 7516

(n, n')  $\alpha$

75-Re-182

Cross Section -100.0 To 9999. %



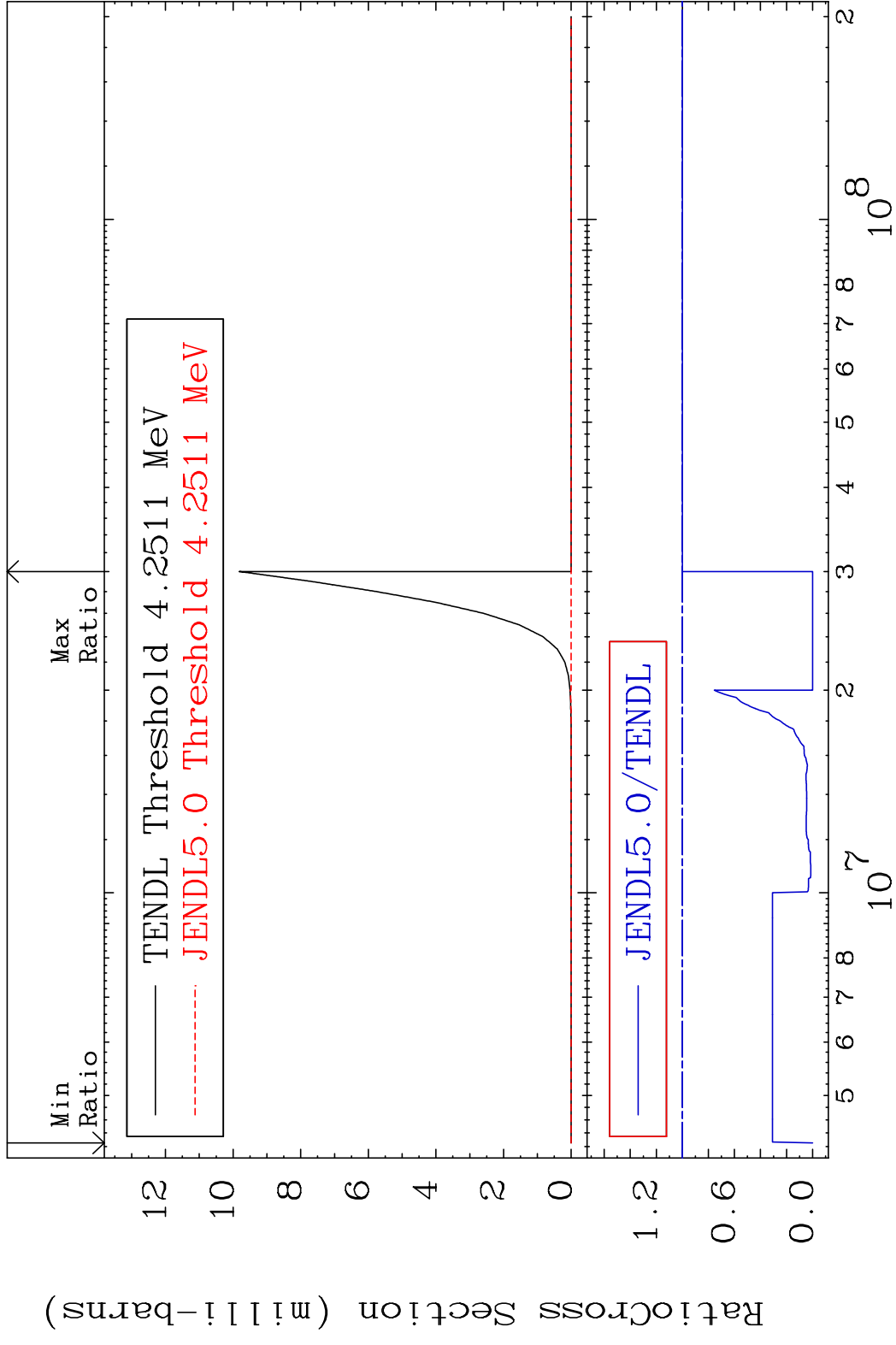
7

Incident Energy (eV)

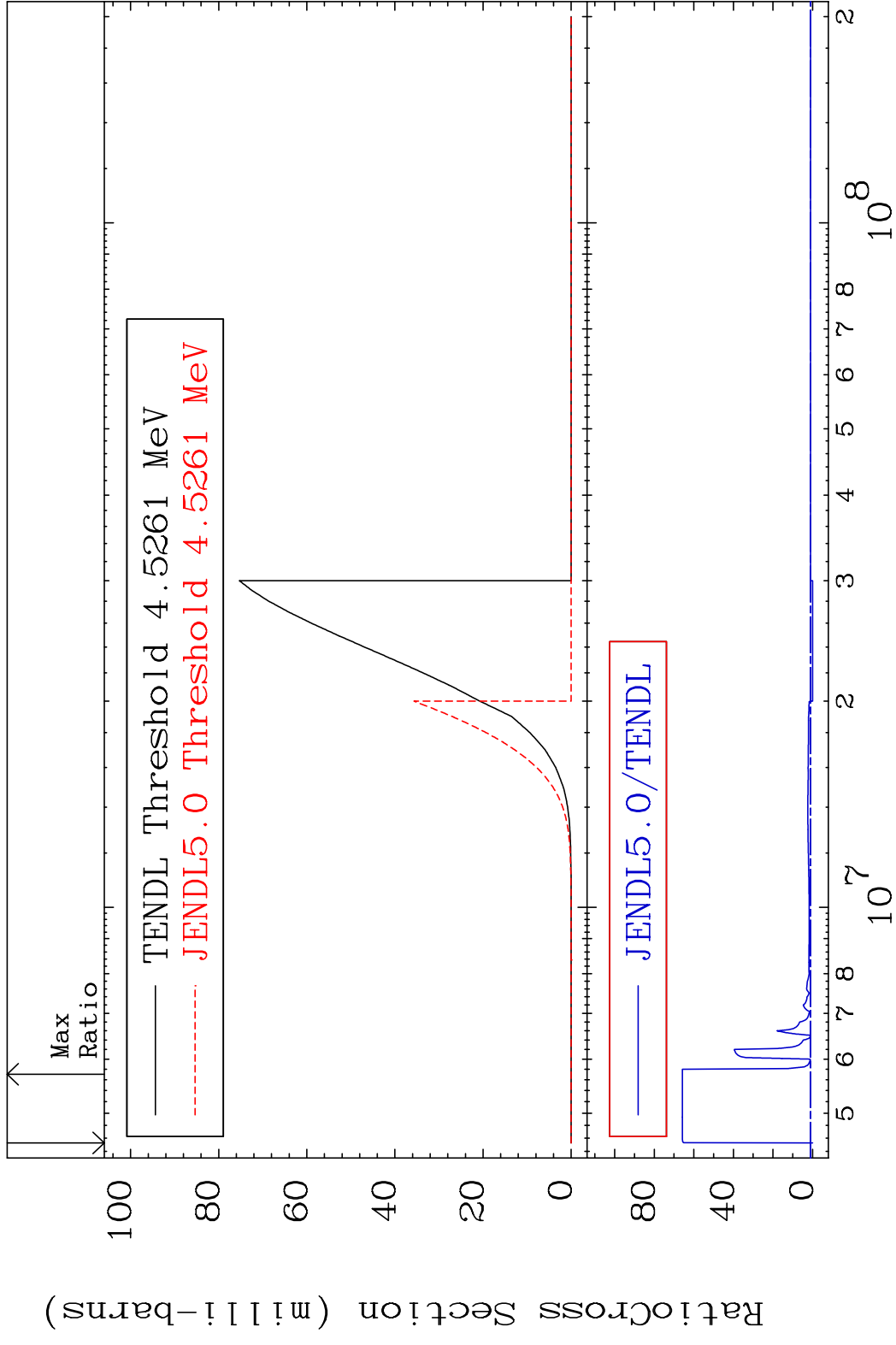
75-Re-182



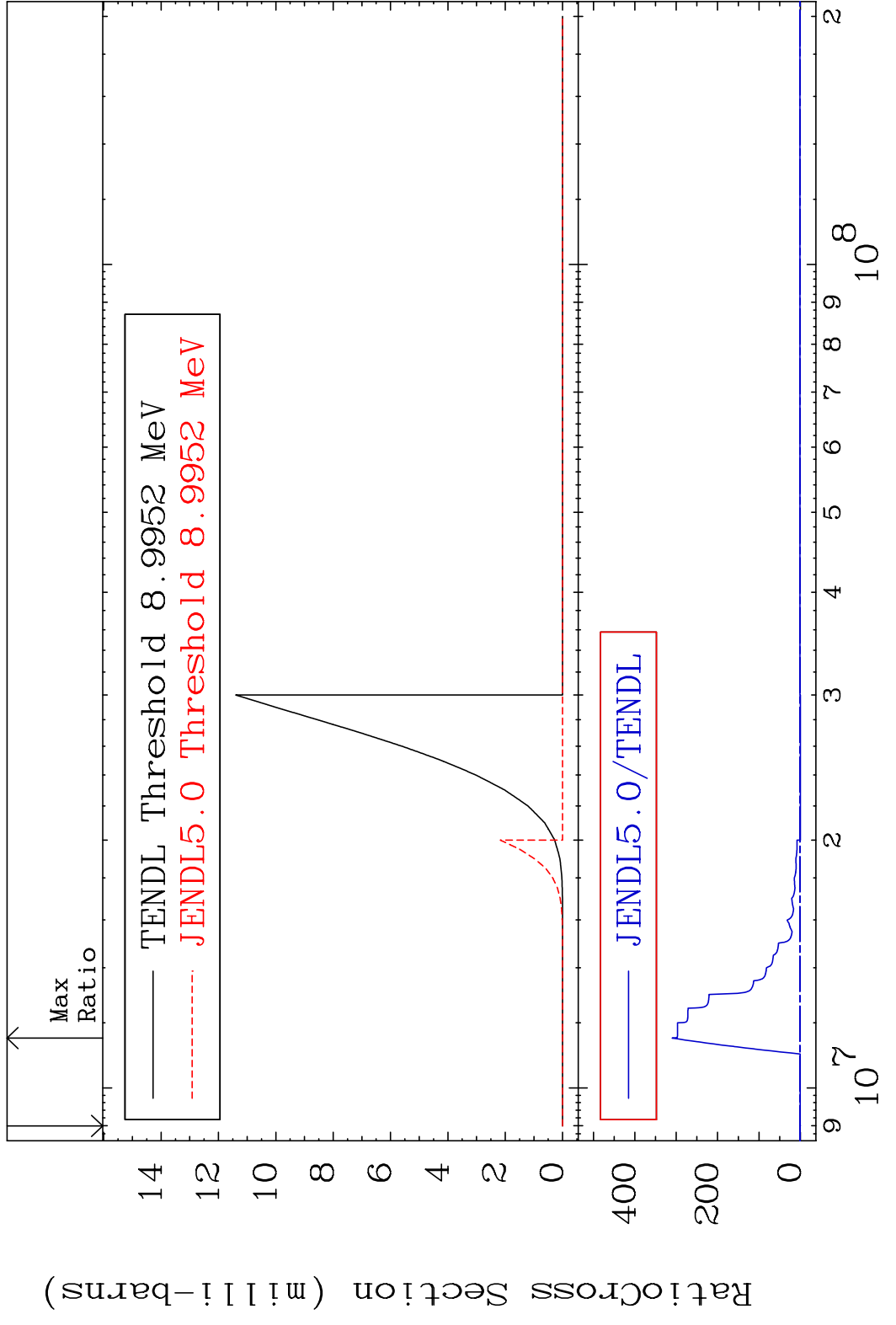
MAT 7516 (n,2n)  $\alpha$  75-Re-182  
 Cross Section -100.0 To 0.000 %



MAT 7516 (n, n') p 75-Re-182  
 Cross Section -100.0 To 6480. %

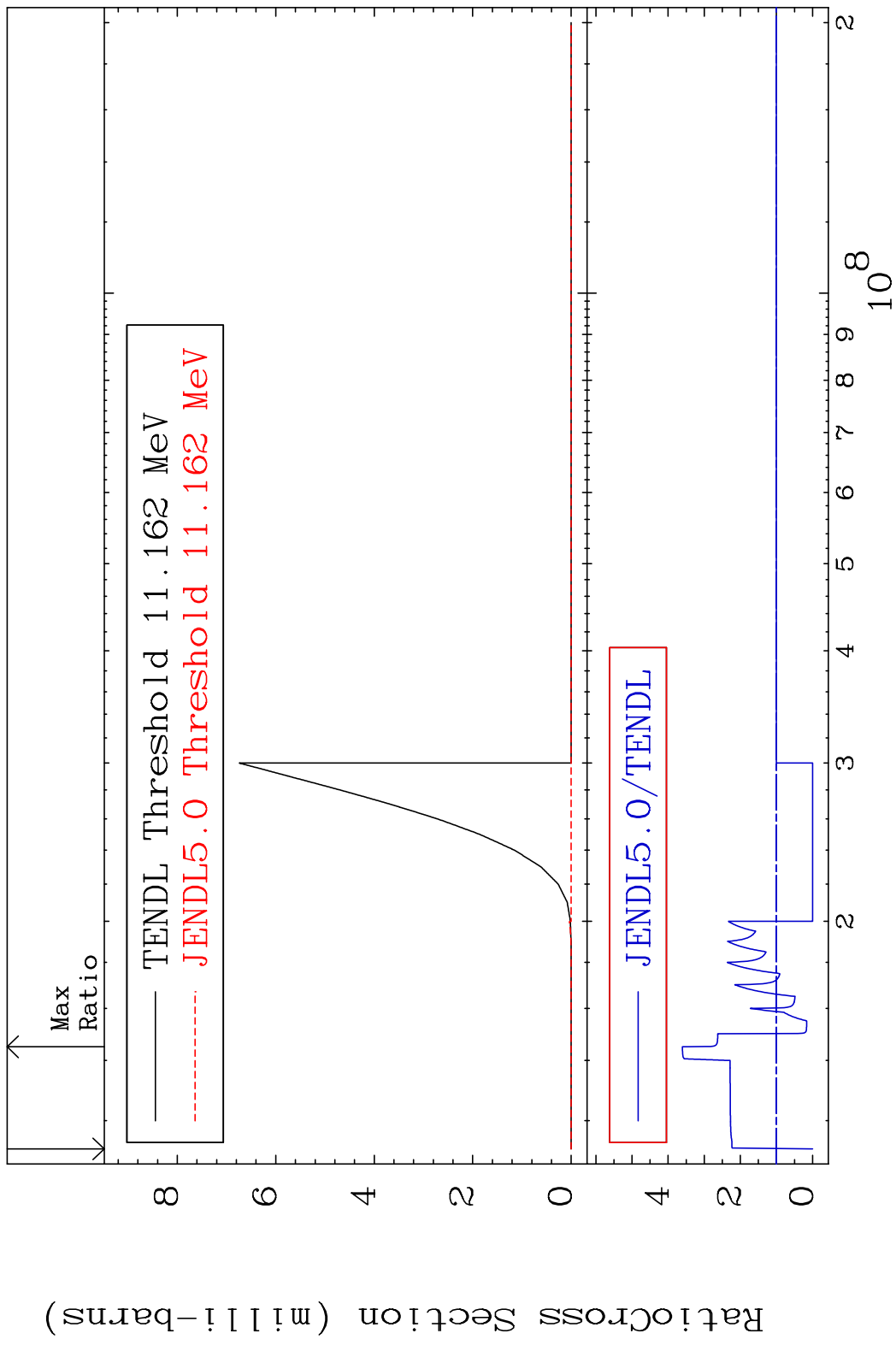


MAT 7516 (n, n') d 75-Re-182  
Cross Section -100.0 To 9999. %

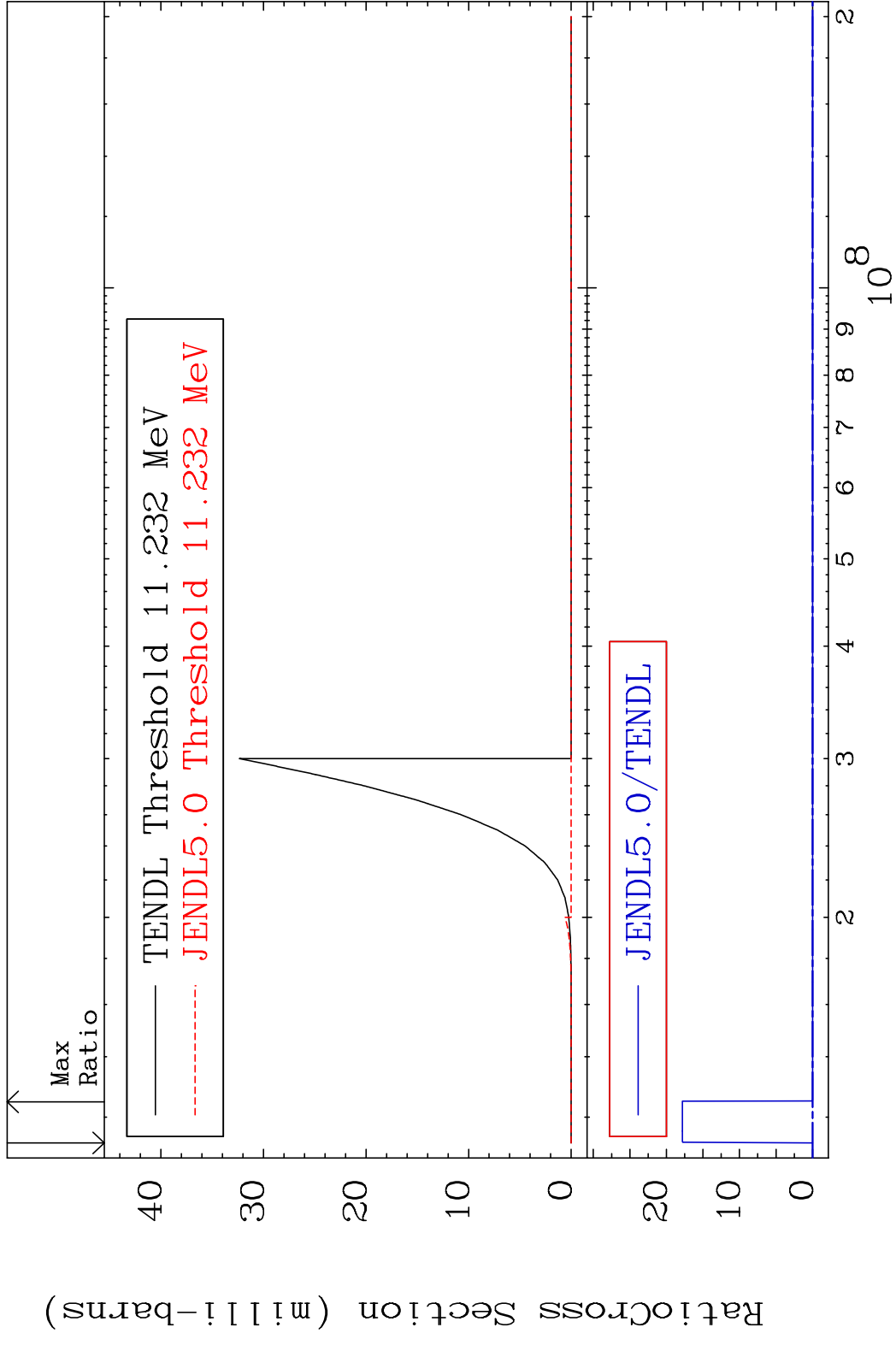


10 9 8 7 6 5 4 3 2 10 7 8 9 10 8 2  
75-Re-182

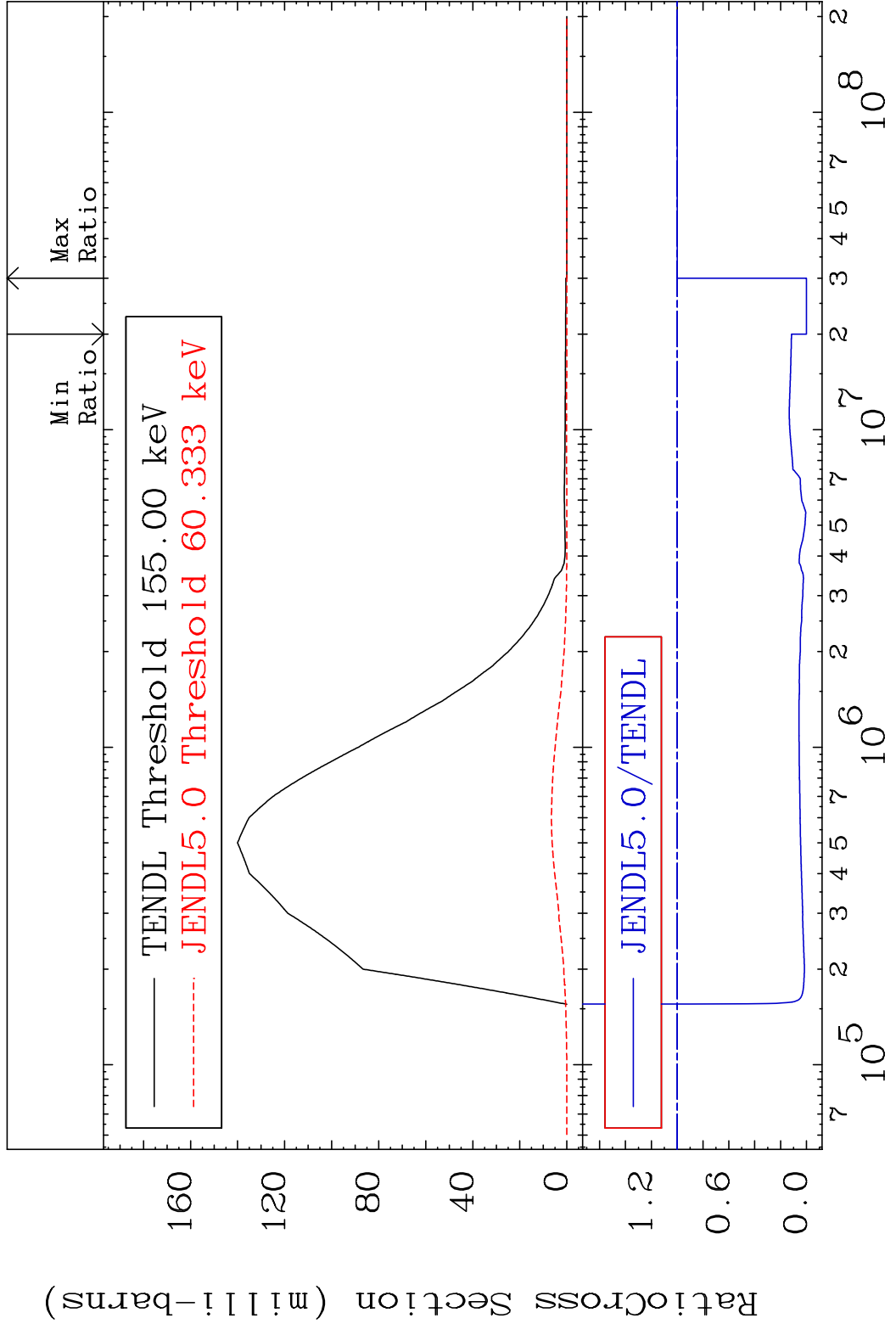
MAT 7516 (n, n') t 75-Re-182  
 Cross Section -100.0 To 260.6 %



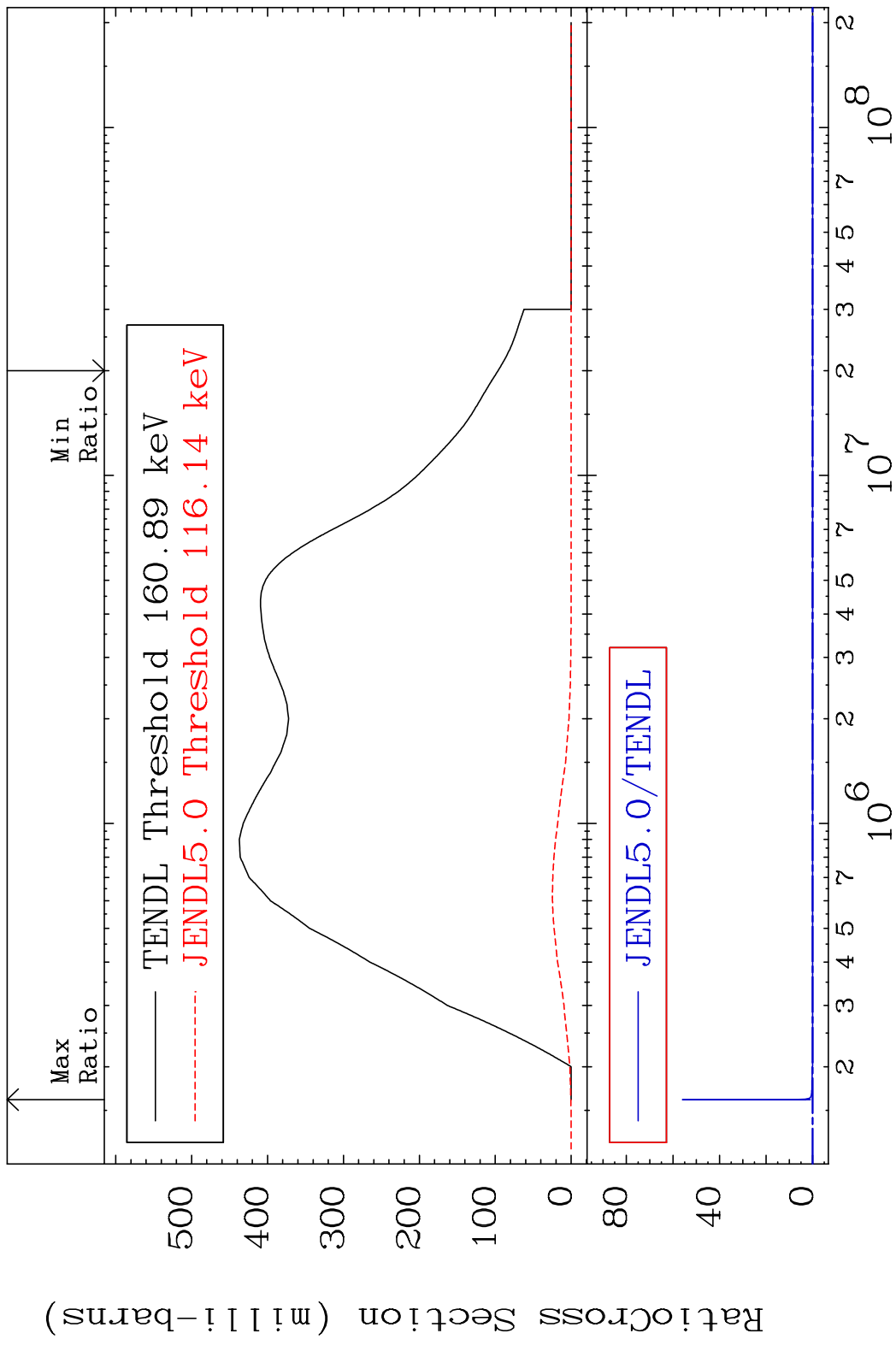
MAT 7516 (n,2n) p 75-Re-182  
 Cross Section -100.0 To 9999. %



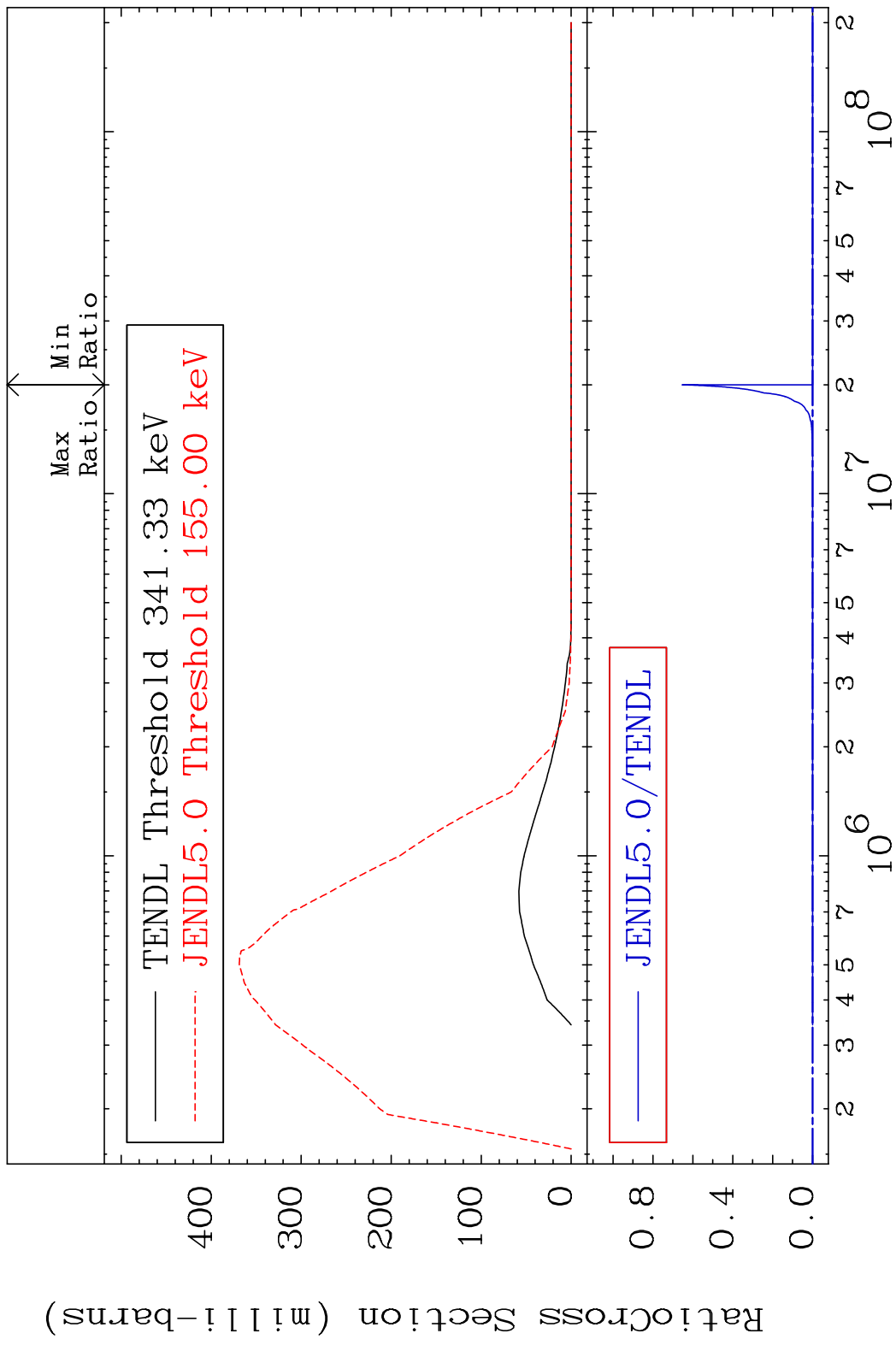
MAT 7516 MT= 51 (n,n') Level 75-Re-182  
 Cross Section -100.0 To 0.000 %



MAT 7516 MT= 52 (n, n') Level 75-Re-182  
 Cross Section -100.0 To 9999. %

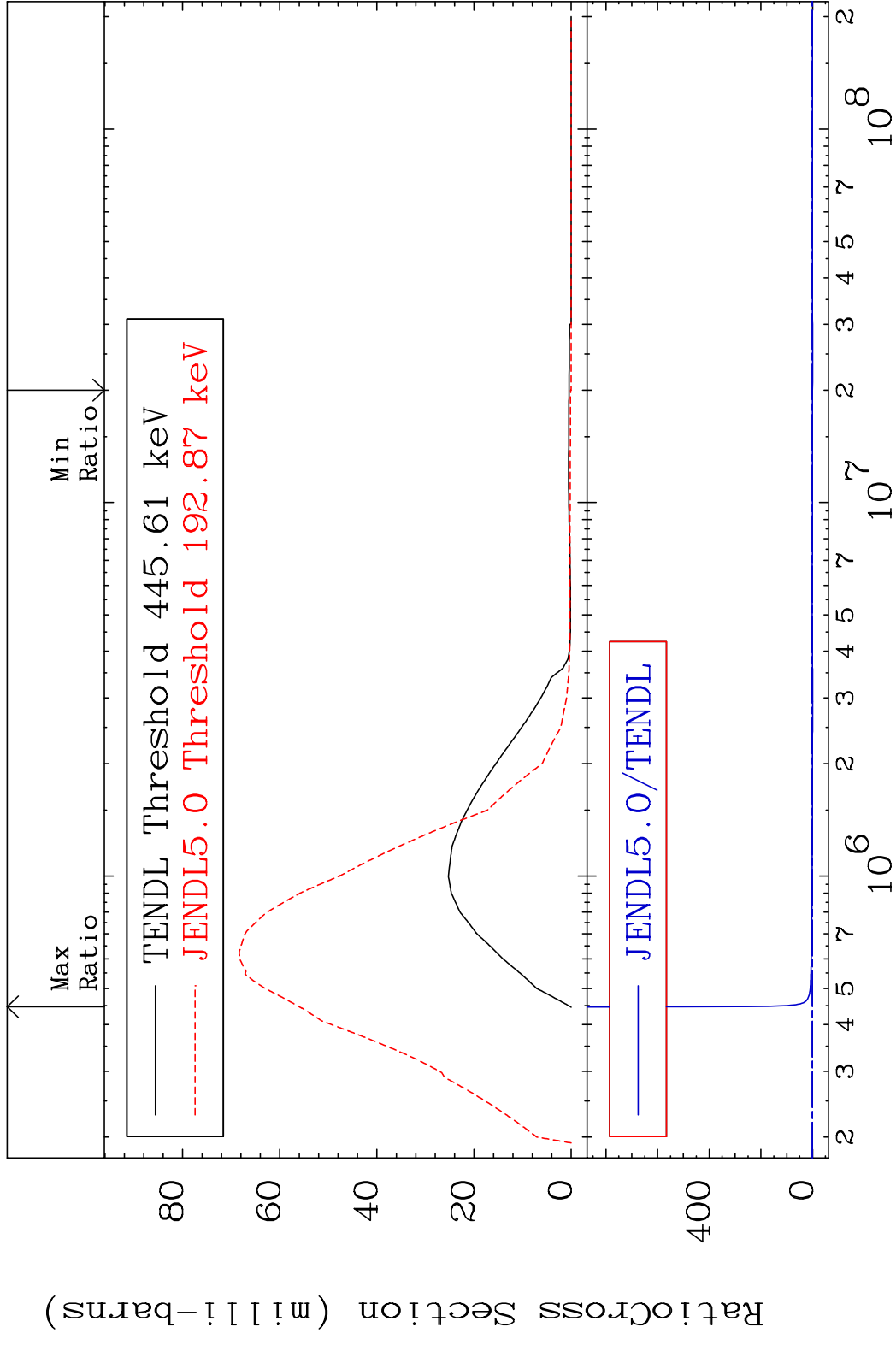


MAT 7516 MT= 53 (n, n') Level 75-Re-182  
 Cross Section -100.0 To 9999. %

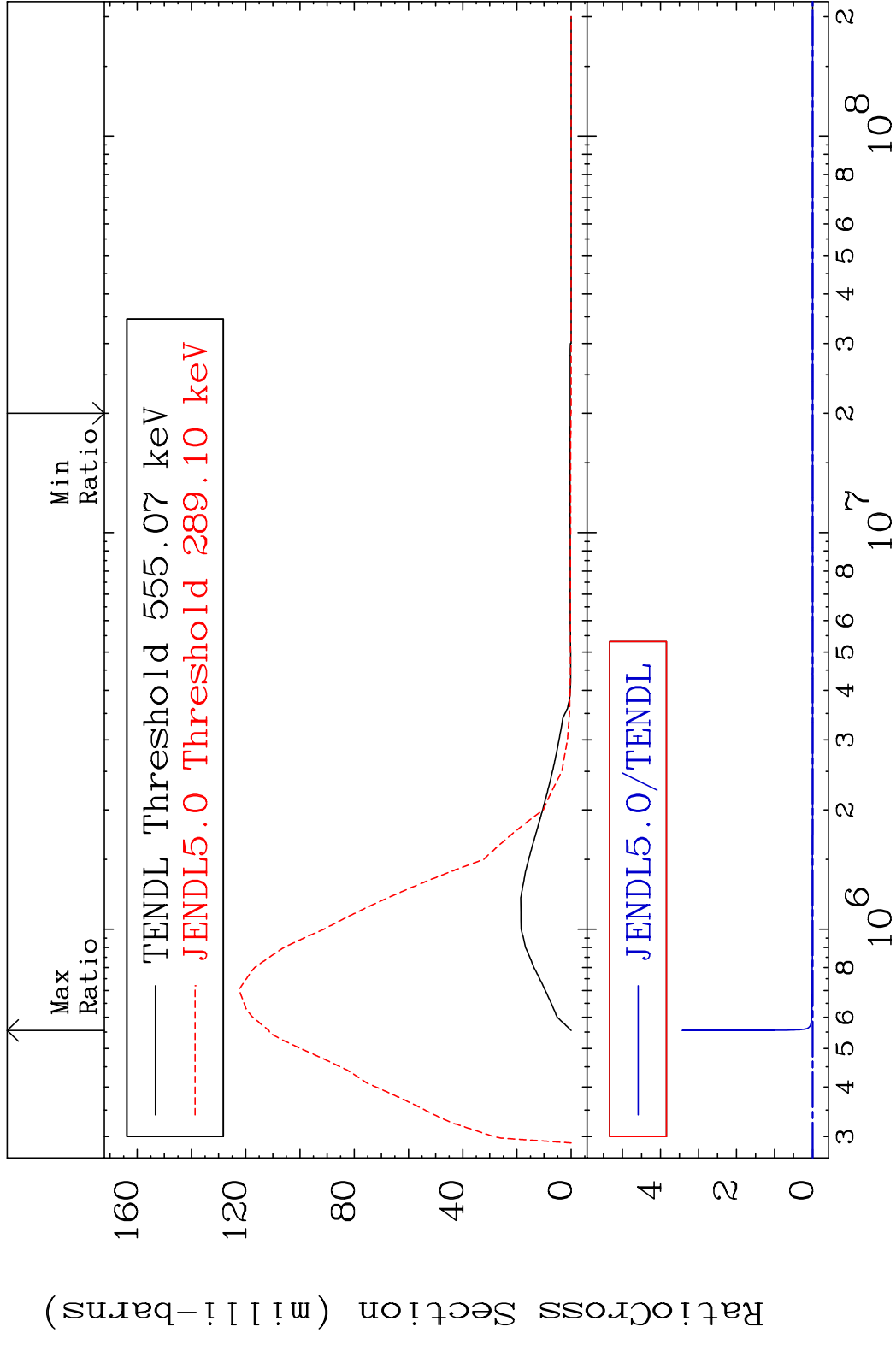




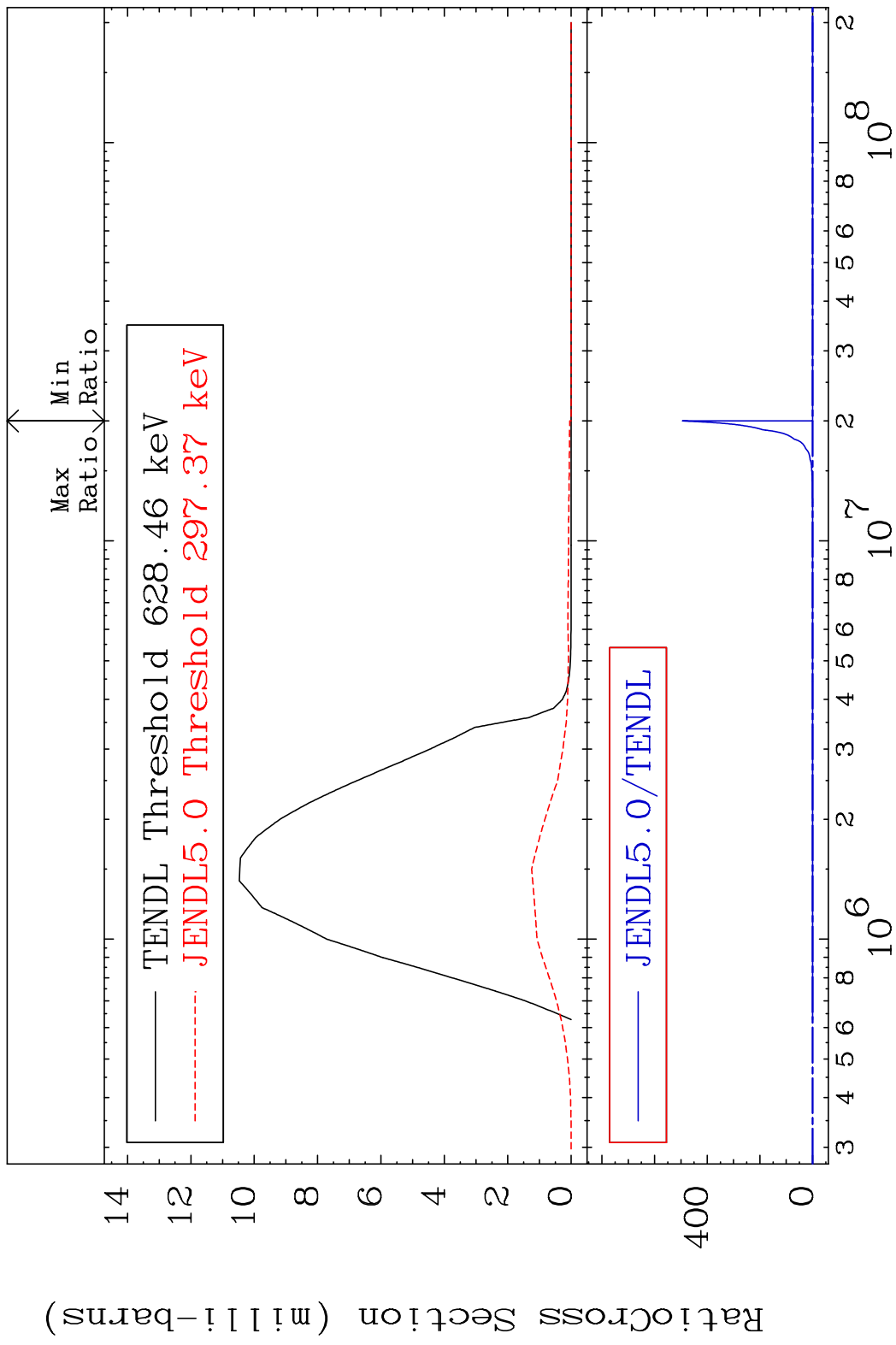
MAT 7516 MT= 54 (n, n') Level 75-Re-182  
 Cross Section -100.0 To 9999. %



MAT 7516 MT= 55 (n, n') Level 75-Re-182  
 Cross Section -100.0 To 9999. %



MAT 7516 MT= 56 (n,n') Level 75-Re-182  
 Cross Section -100.0 To 9999. %

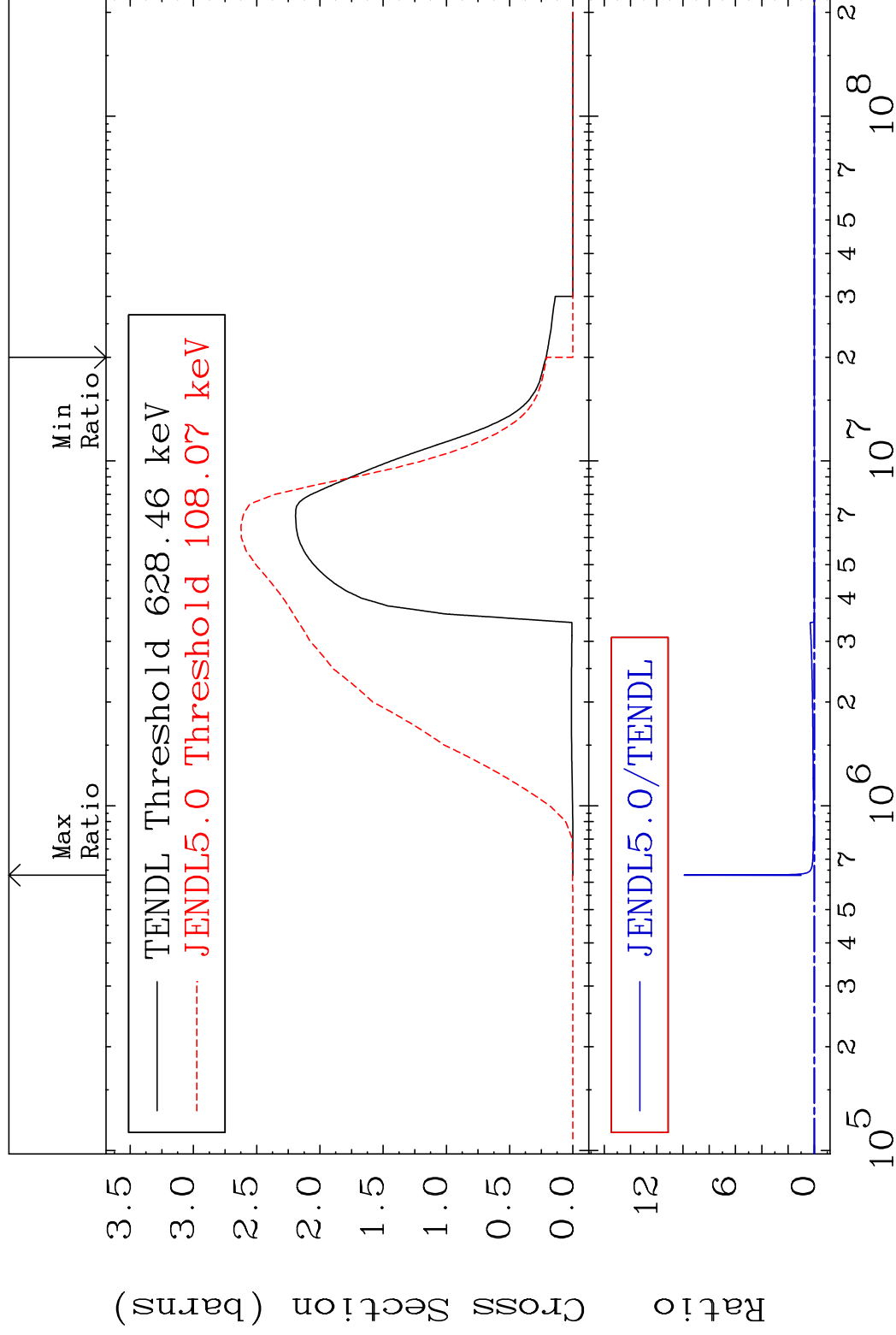


MAT 7516

(n,n') Continuum

75-Re-182

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

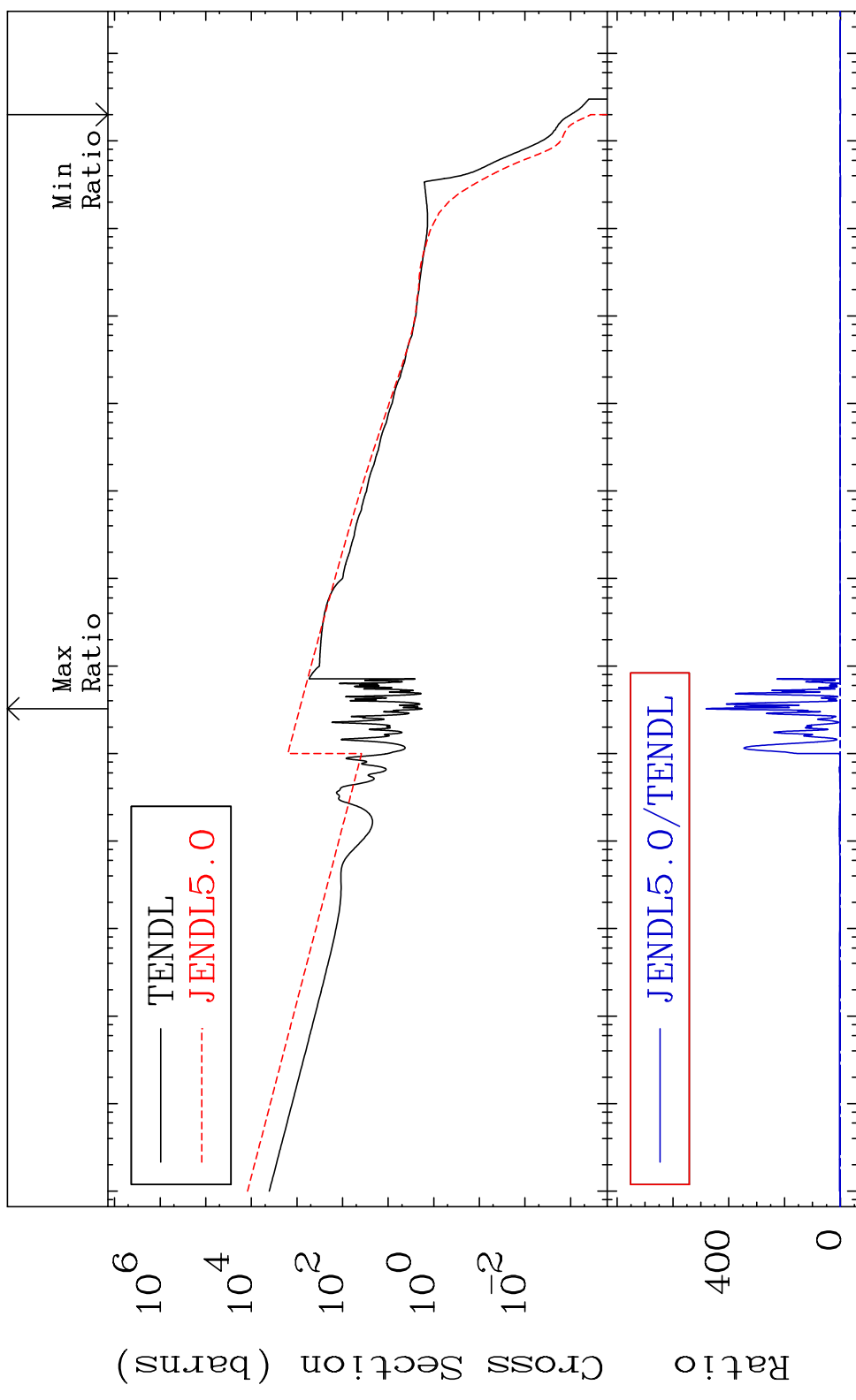
75-Re-182

MAT 7516

(n,  $\gamma$ )

75-Re-182

Cross Section -100.0 To 9999. %

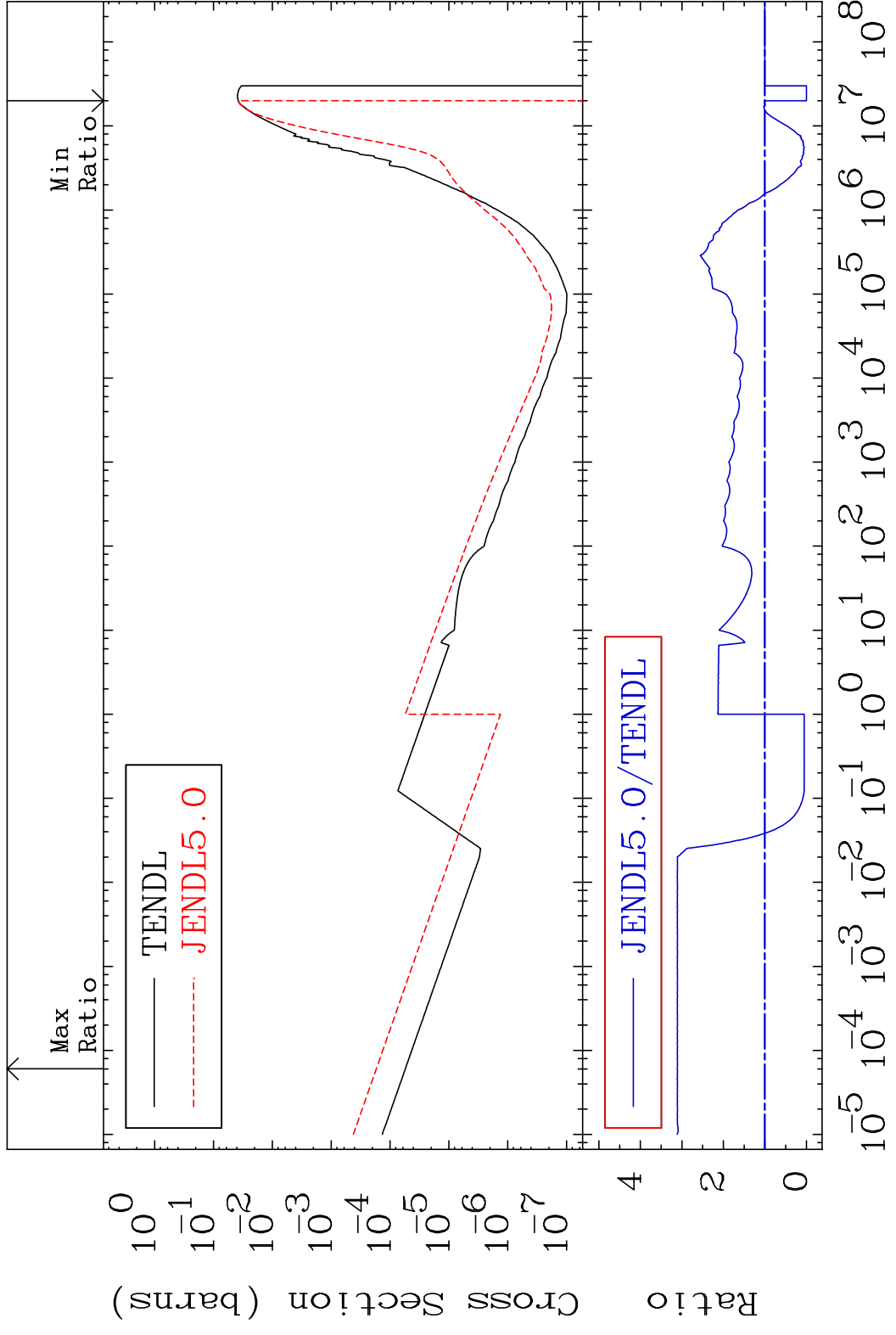


20

Incident Energy (eV)

75-Re-182

MAT 7516 (n,p) Cross Section -100.0 To 211.3 % 75-Re-182

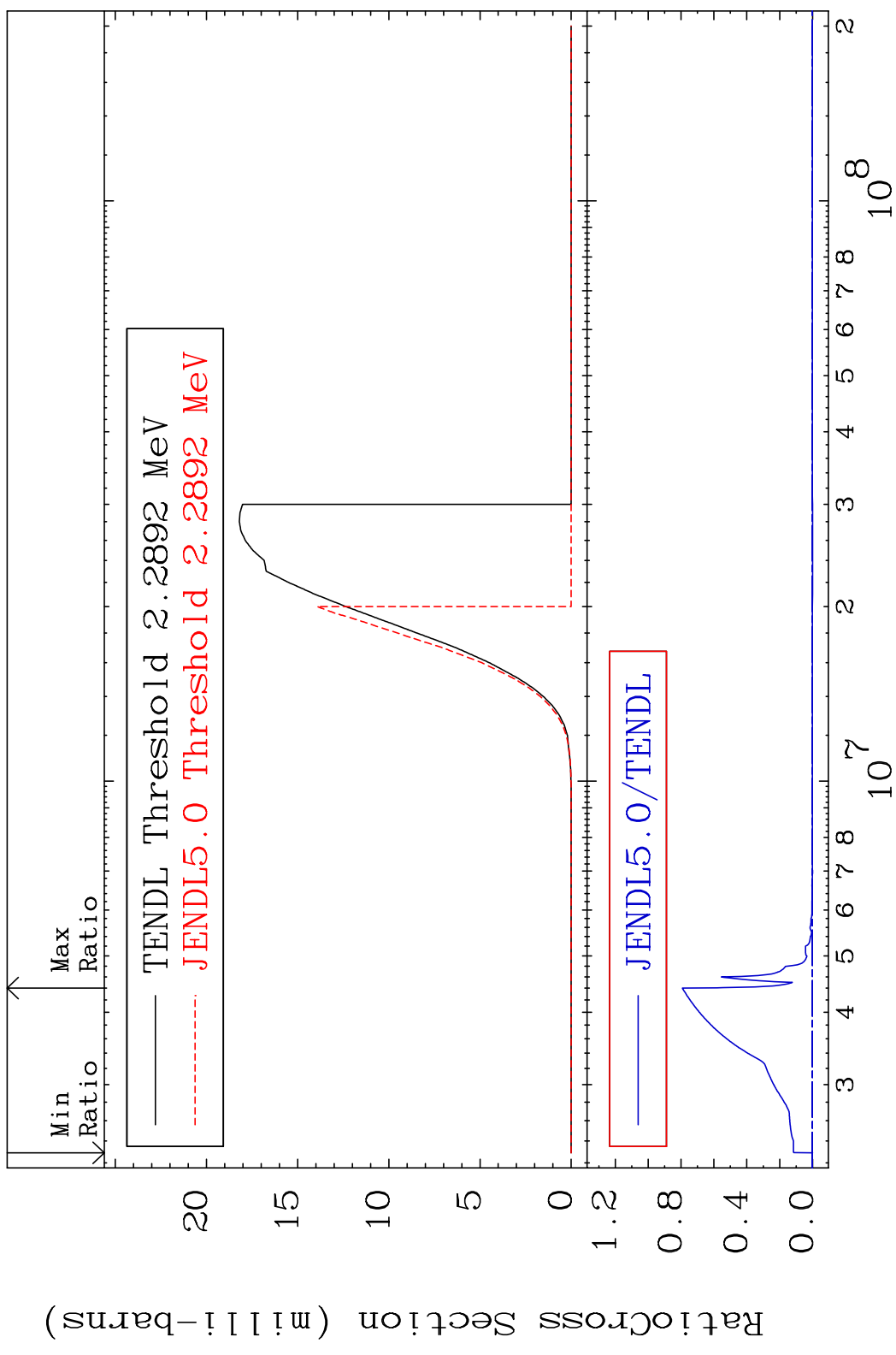


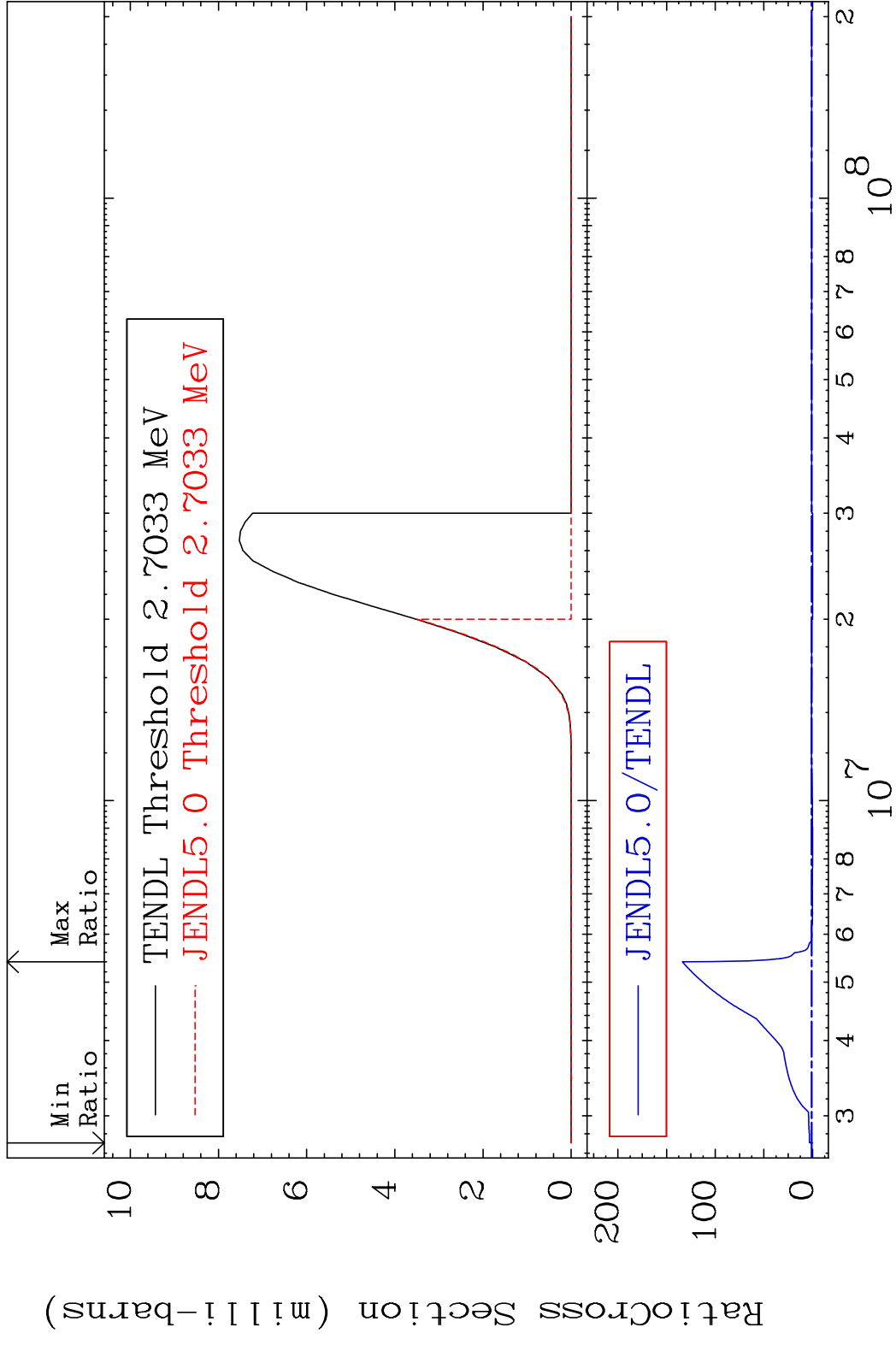
MAT 7516

(n,d)

75-Re-182

Cross Section -100.0 To 9999. %





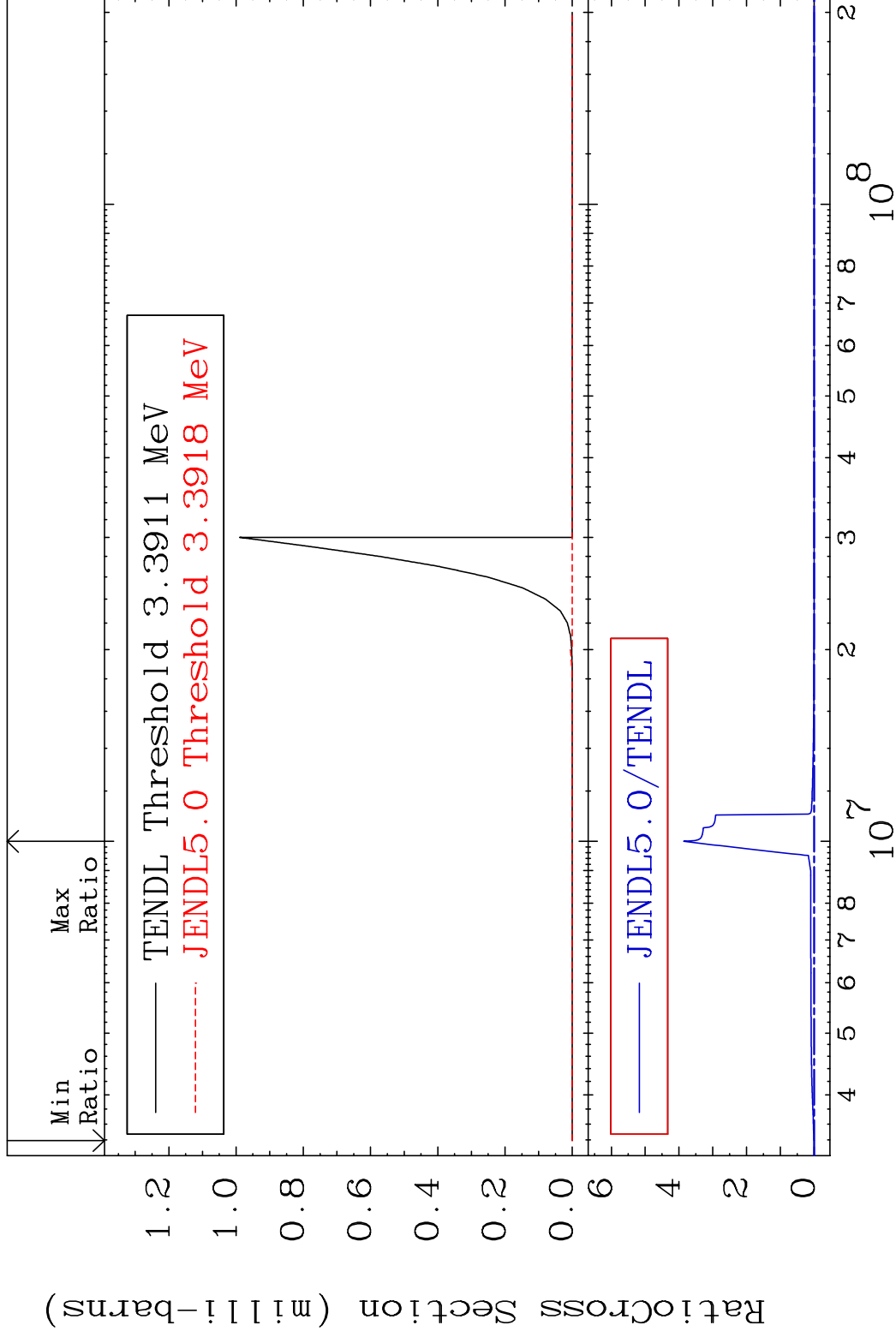


MAT 7516

(n, He-3)

75-Re-182

Cross Section -100.0 To 9999. %

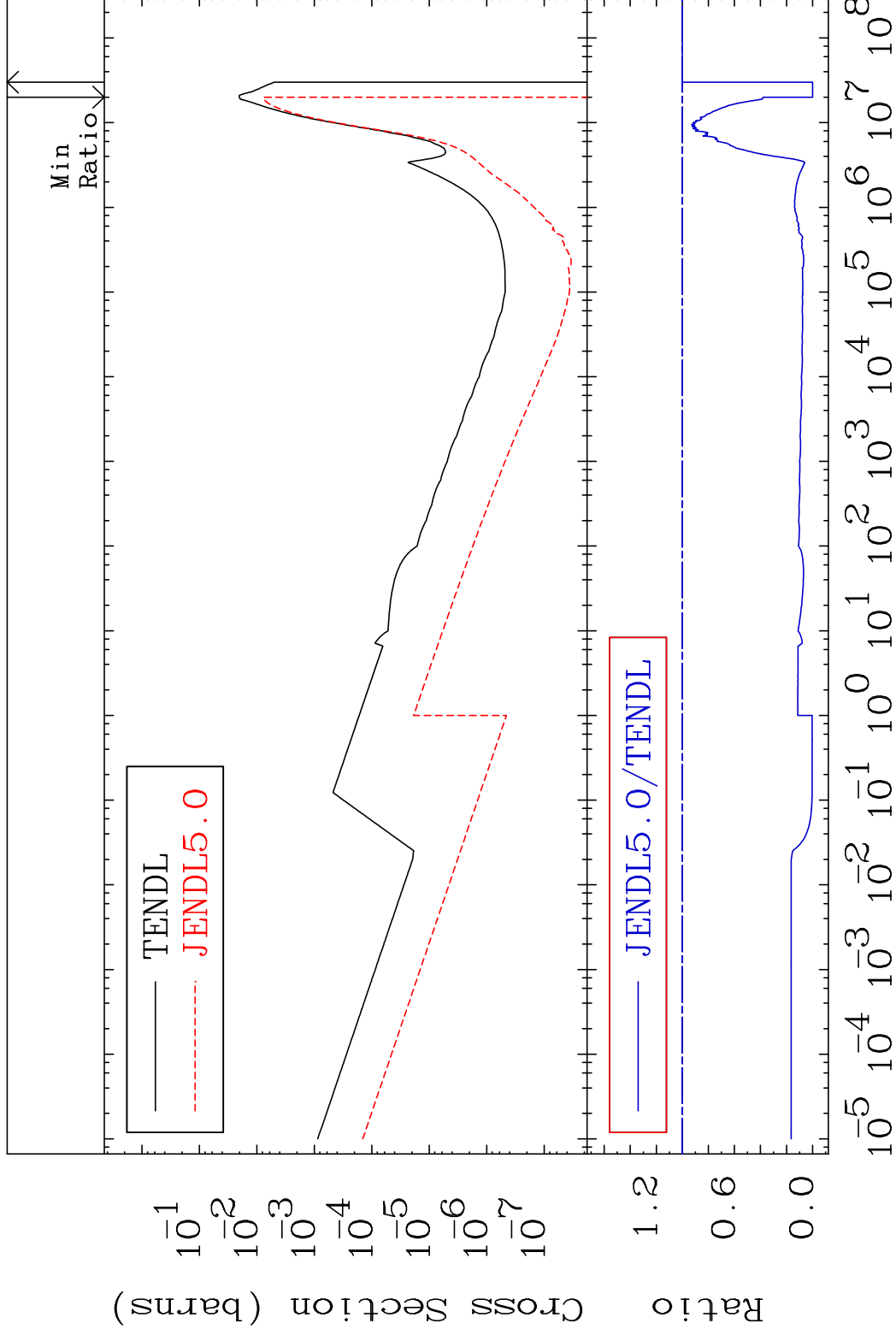


MAT 7516

(n,  $\alpha$ )

75-Re-182

Cross Section -100.0 To 0.000 %



25

Incident Energy (eV)

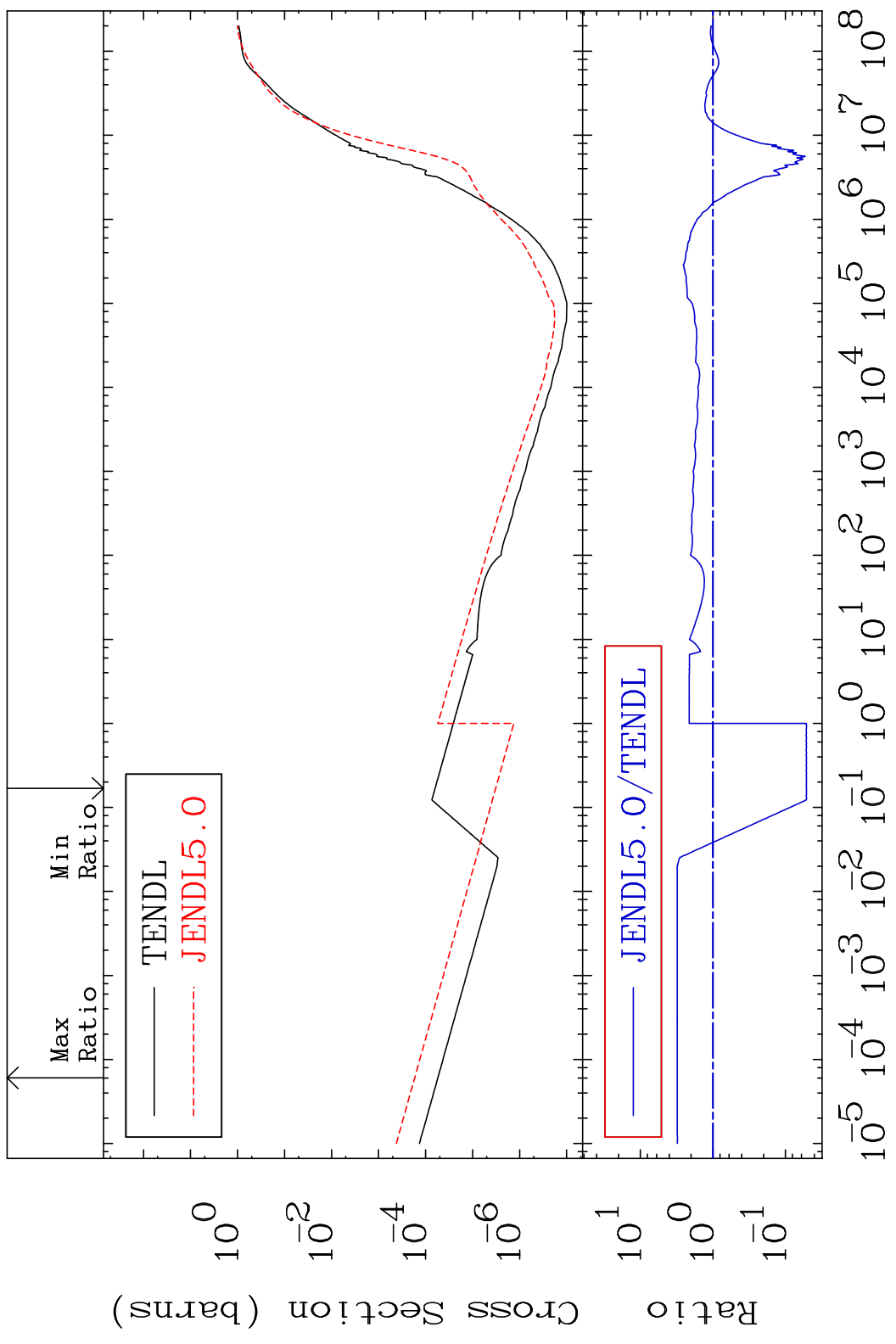
75-Re-182

MAT 7516

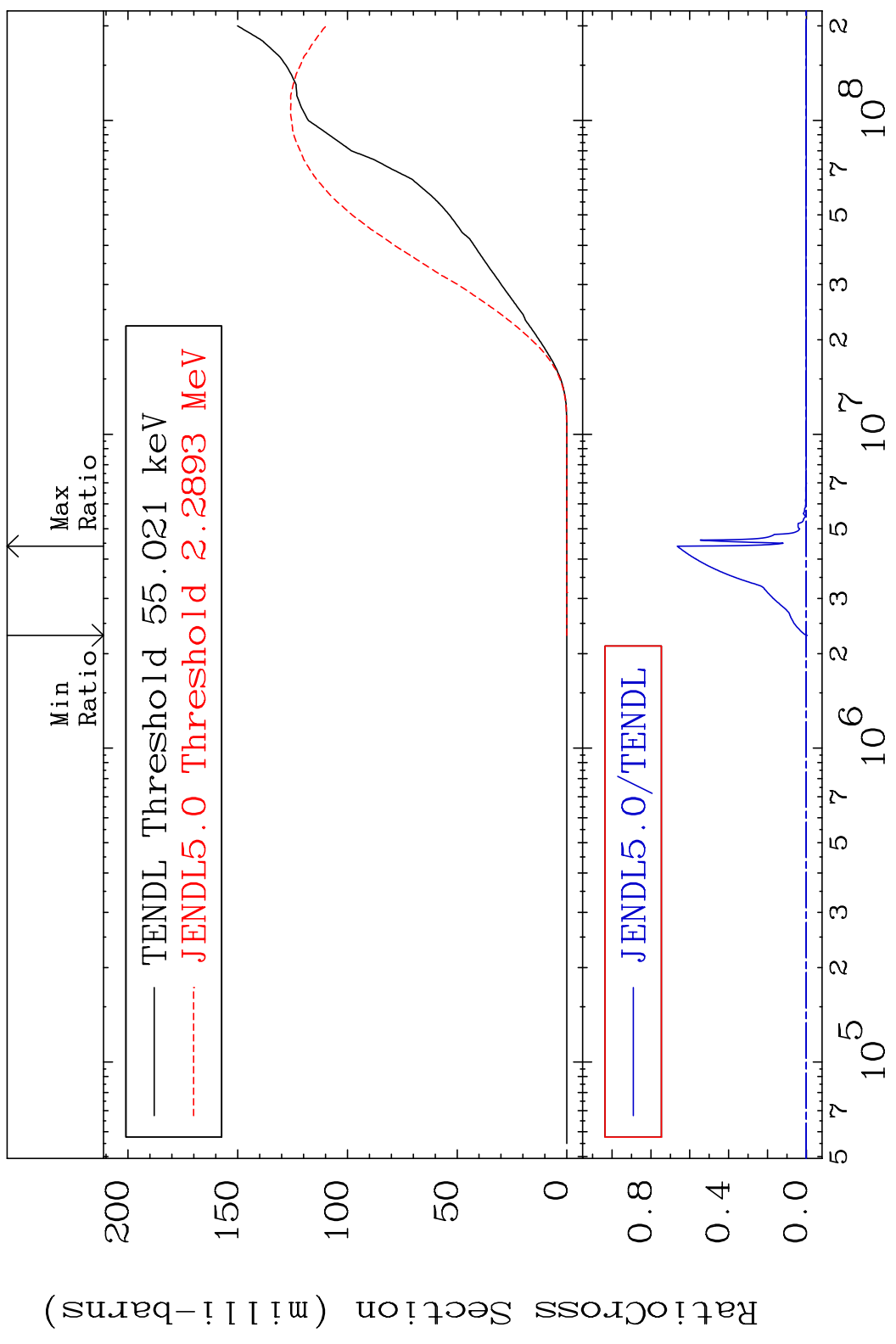
Hydrogen Production

75-Re-182

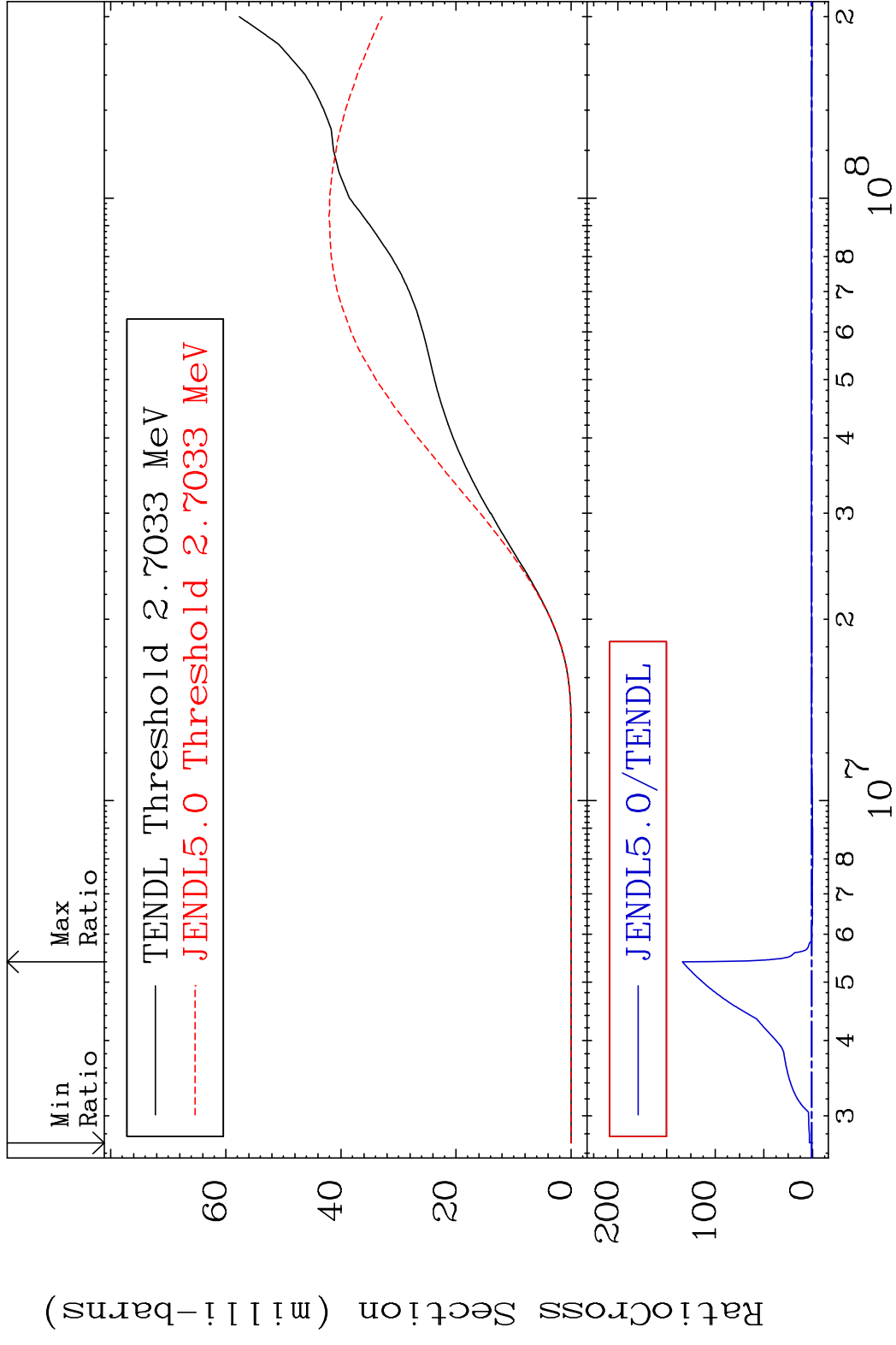
Cross Section -94.85 To 211.3 %



Cross Section -100.0 To 9999. %



MAT 7516 Tritium Production 75-Re-182  
 Cross Section -100.0 To 9999. %

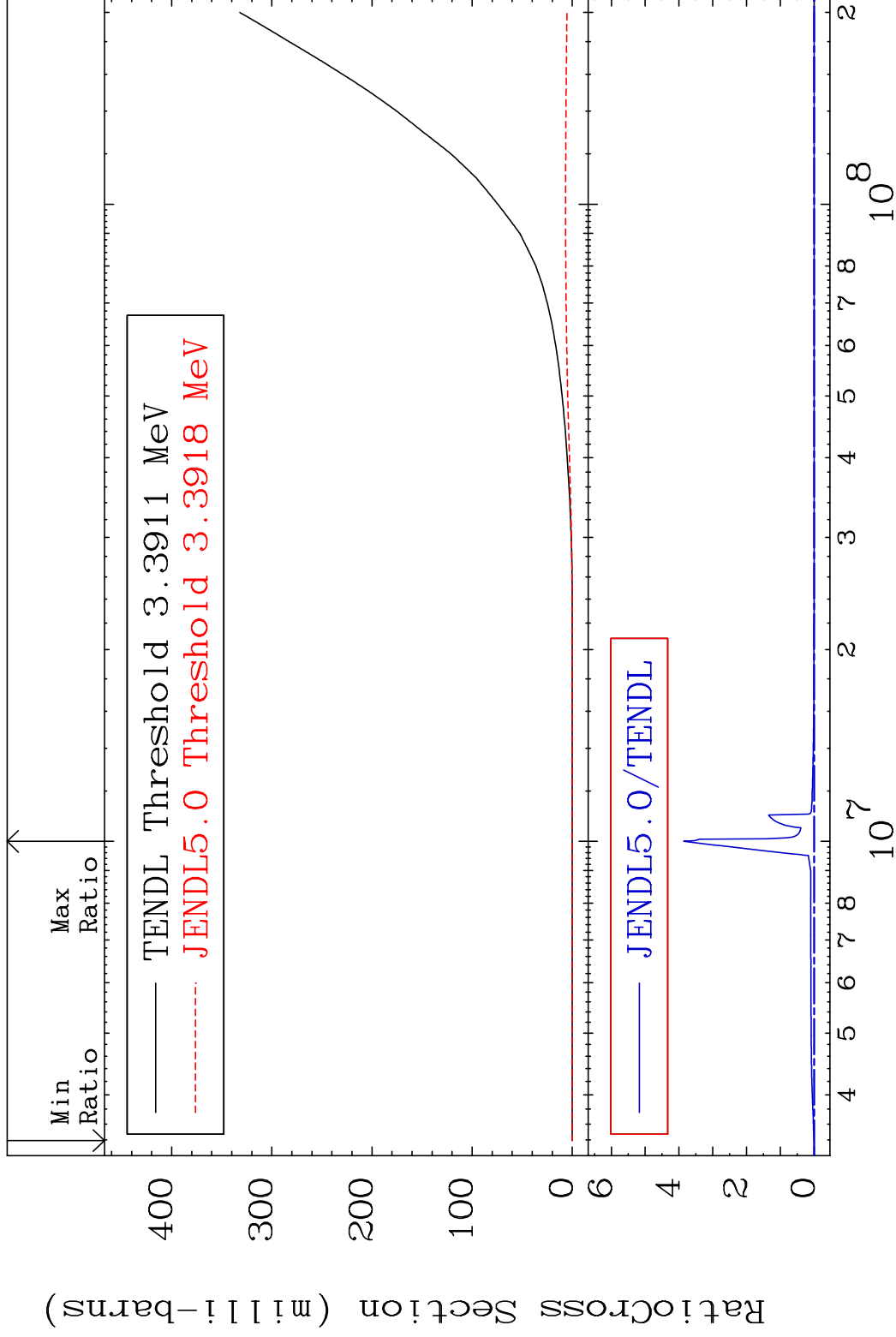


MAT 7516

He-3 Production

75-Re-182

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

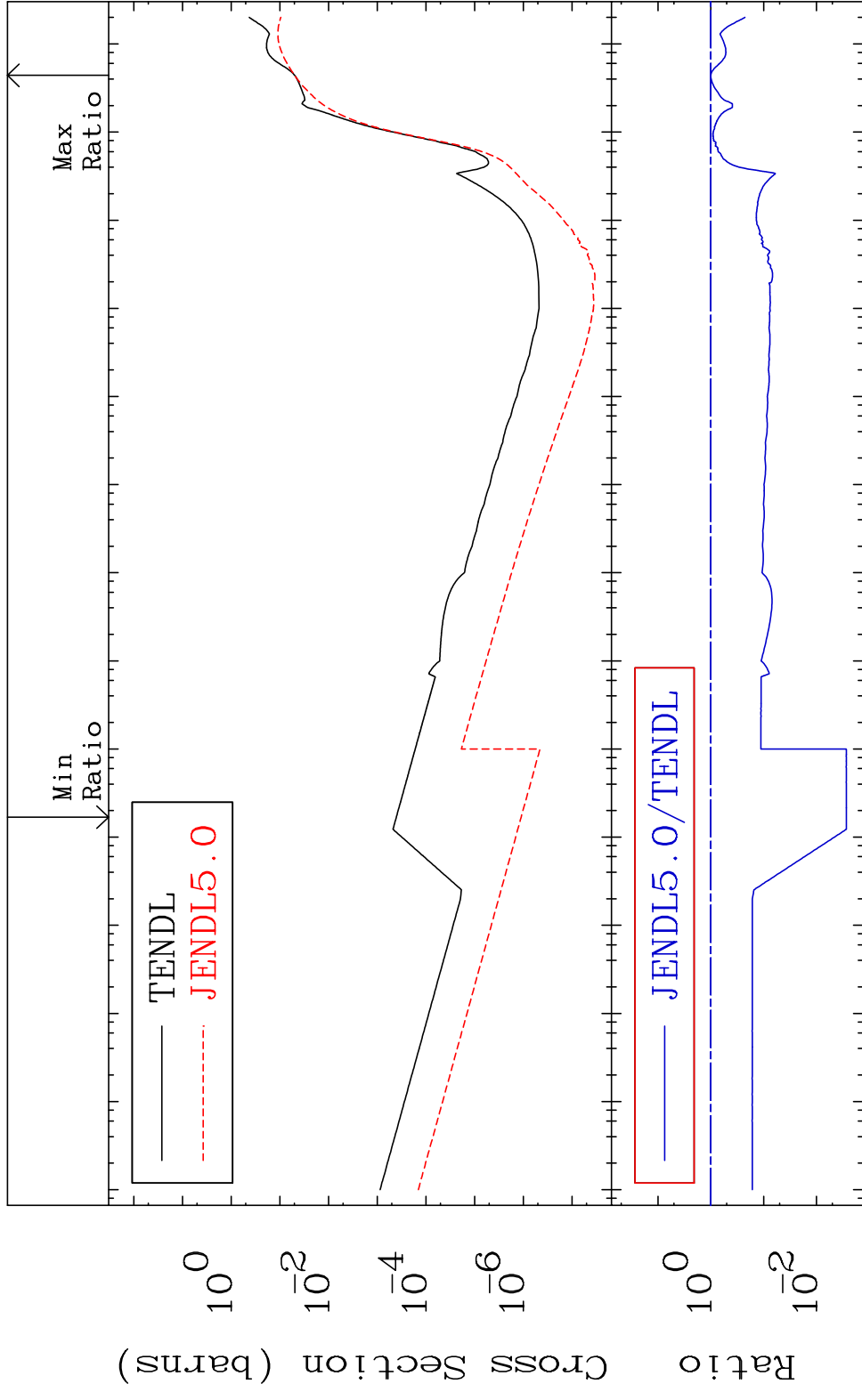
75-Re-182

MAT 7516

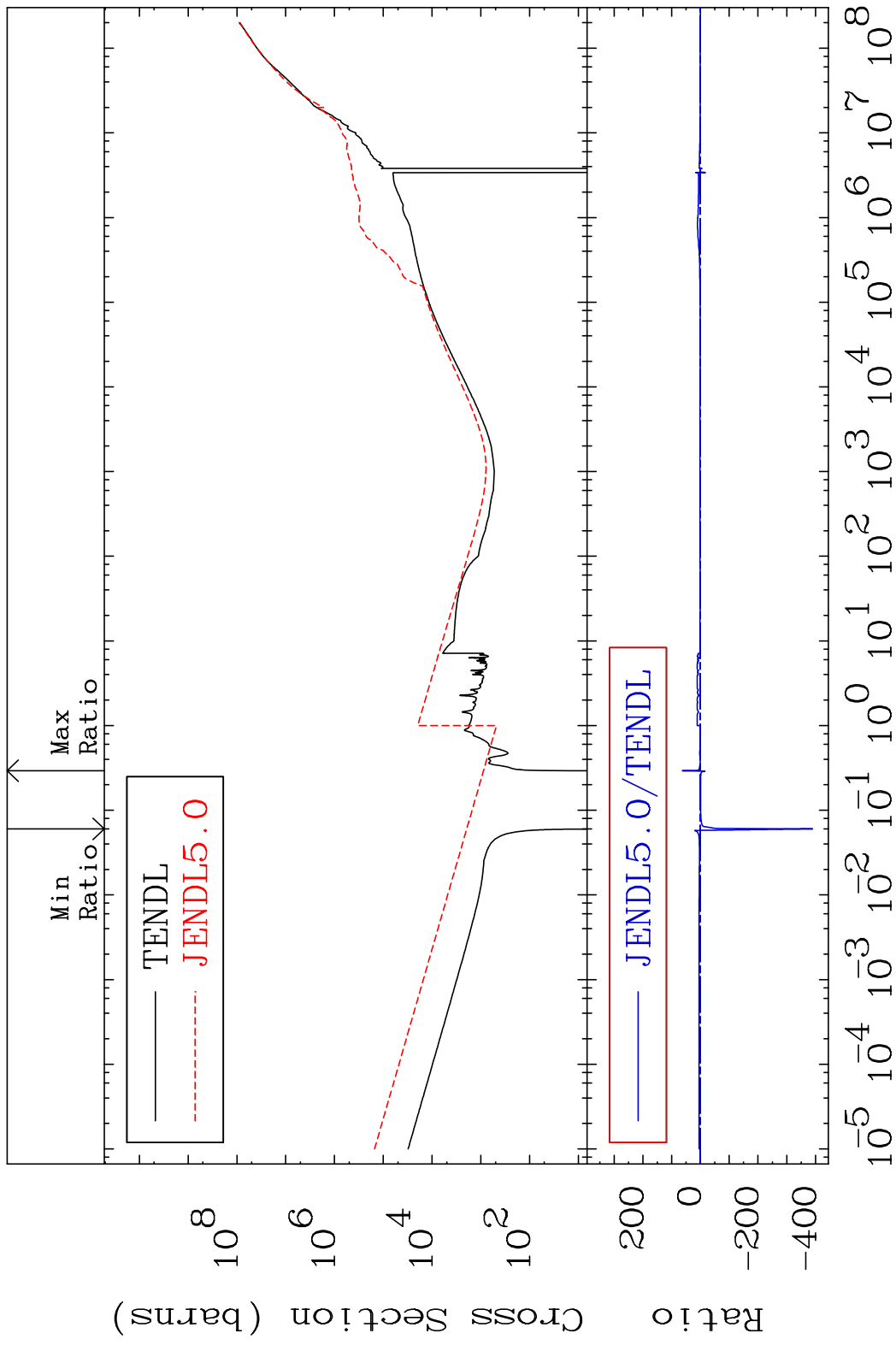
He-4 Production

75-Re-182

Cross Section -99.73 To 0.648 %



MAT 7516 Kerma total (eV-barns) 75-Re-182  
 Cross Section -9999. To 6184. %

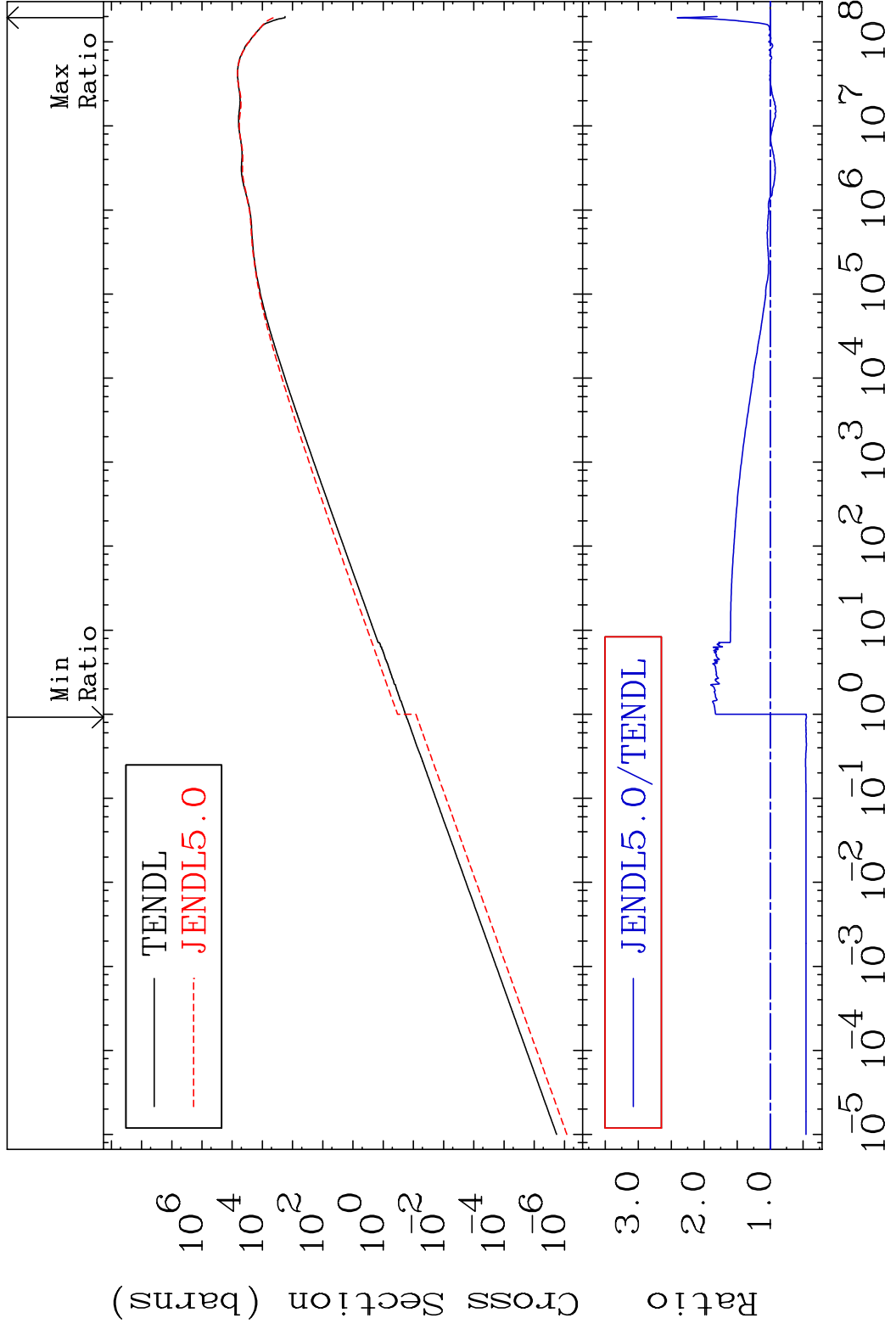




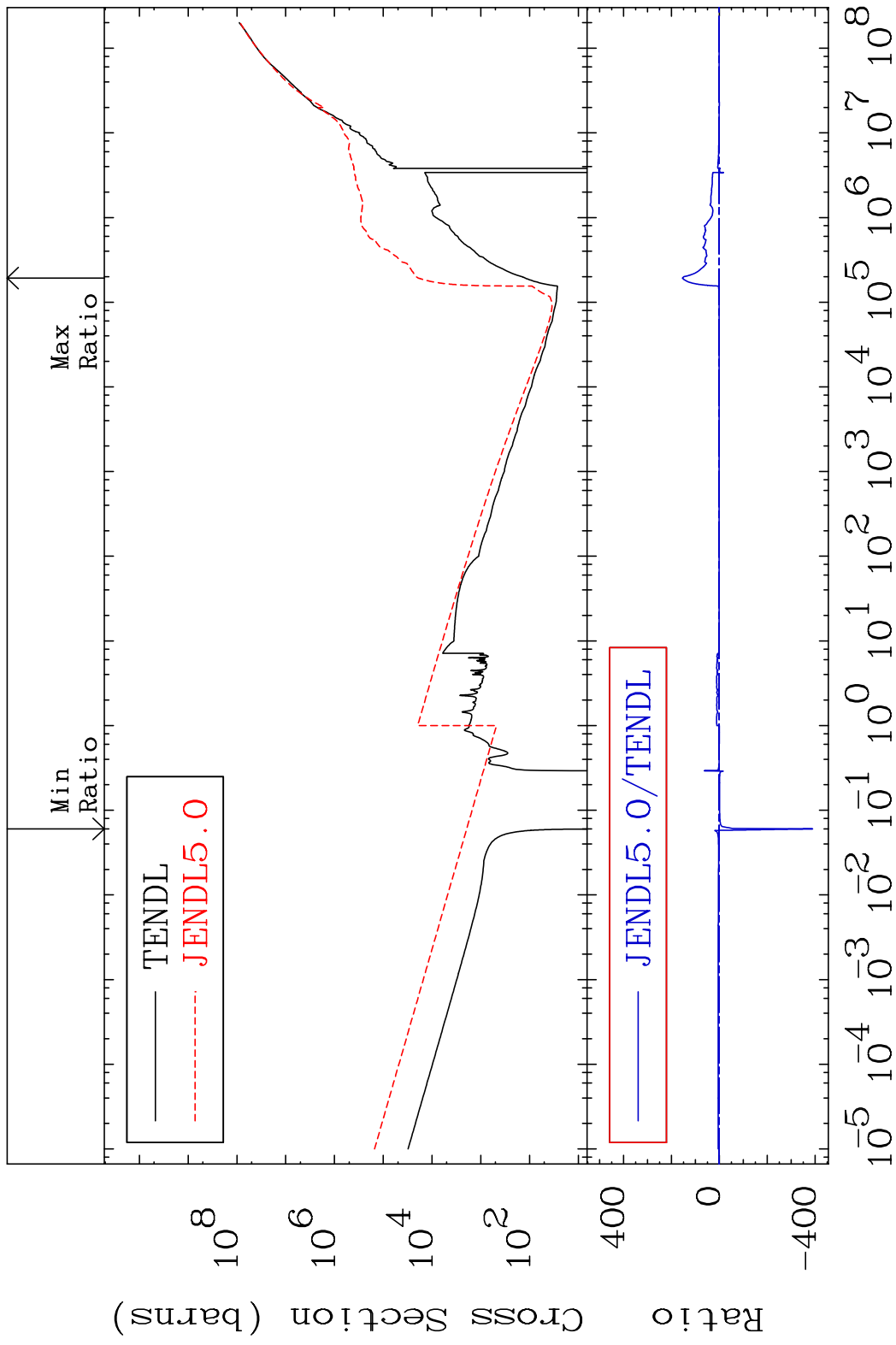
MAT 7516

Kerma elastic  
Cross Section -54.95 To 141.0 %

75-Re-182

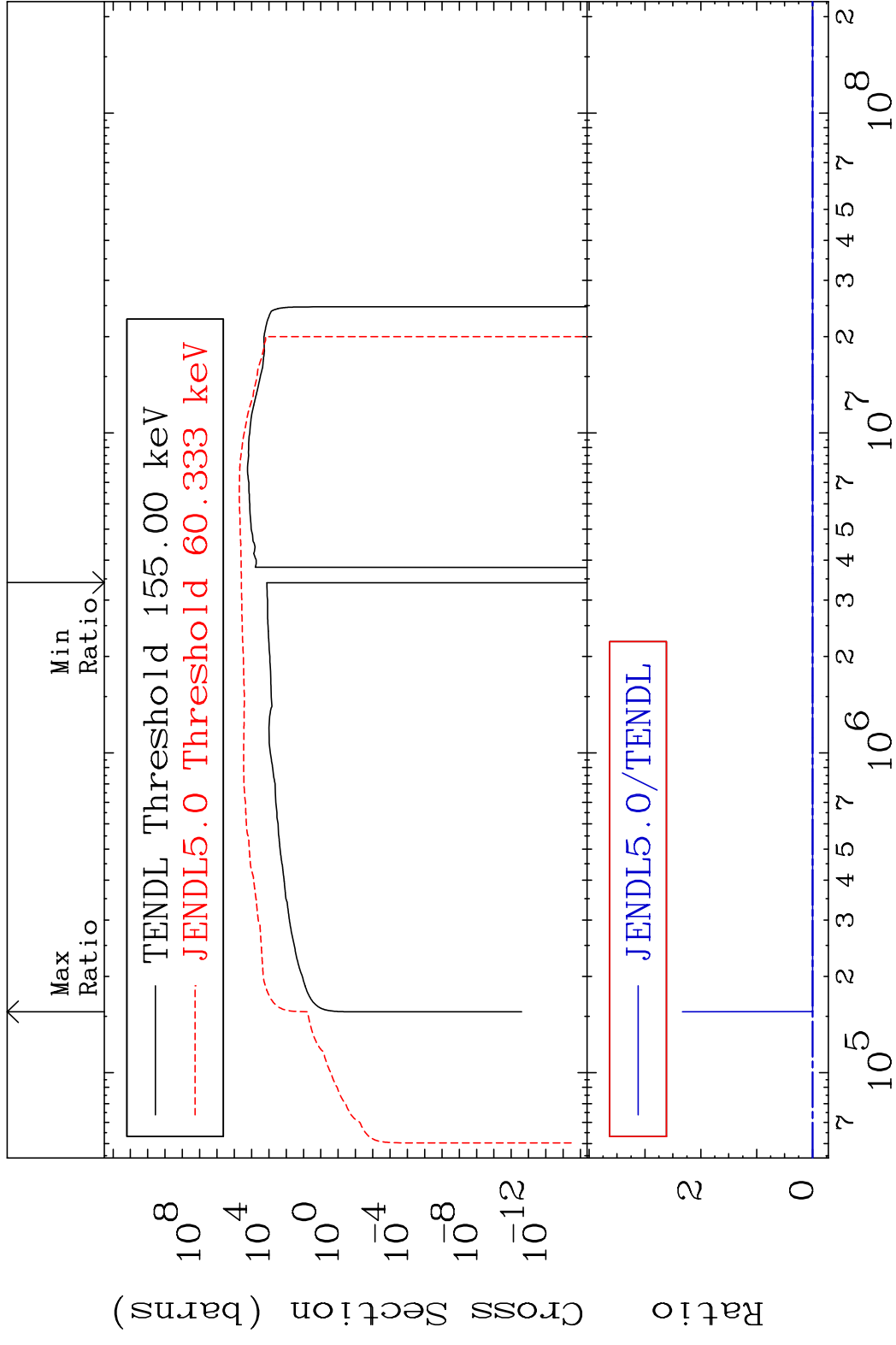


MAT 7516 Kerma non-elastic (all but mt2) 75-Re-182  
 Cross Section -9999. To 9999. %

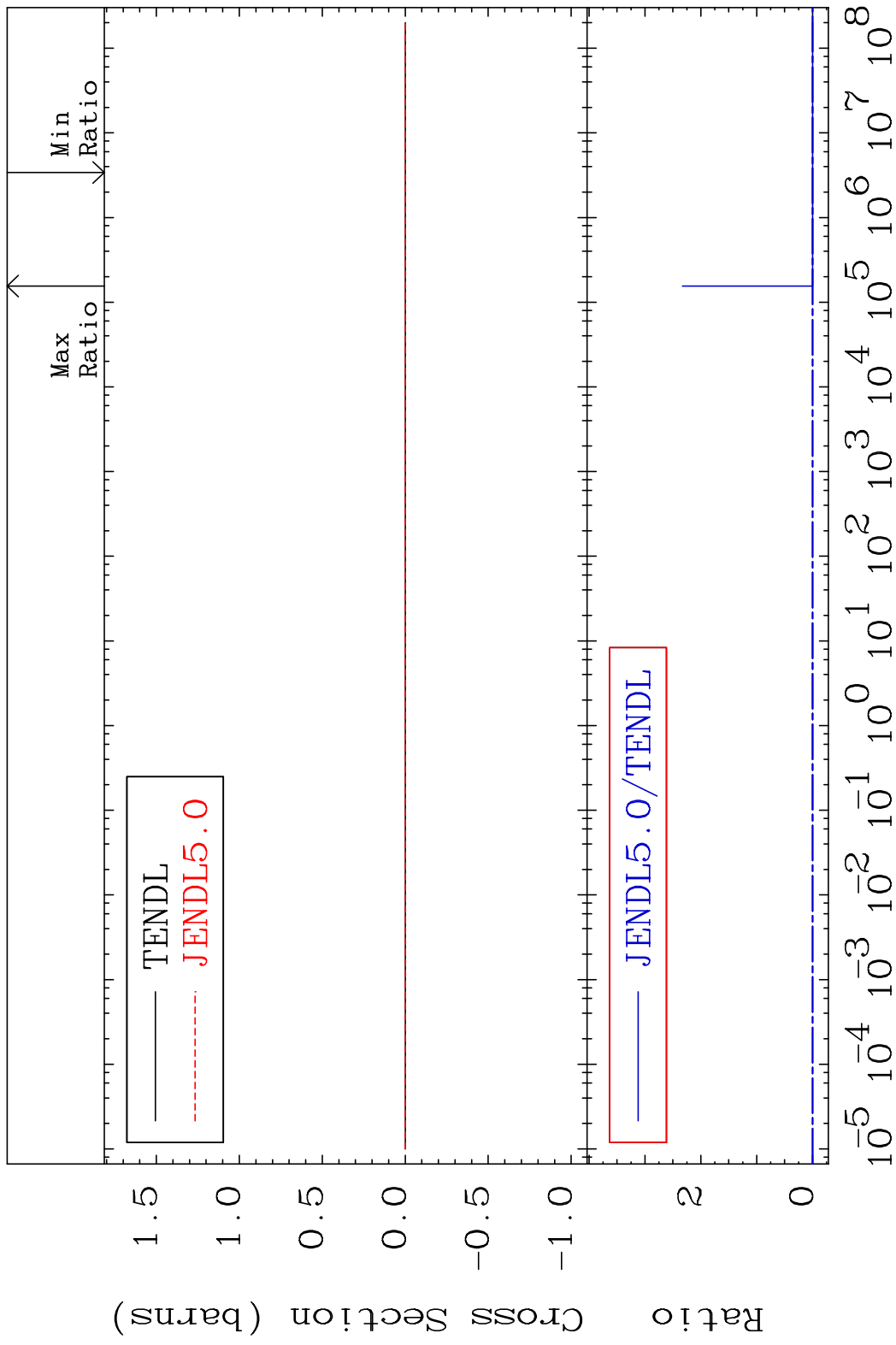


33 Incident Energy (eV) 75-Re-182

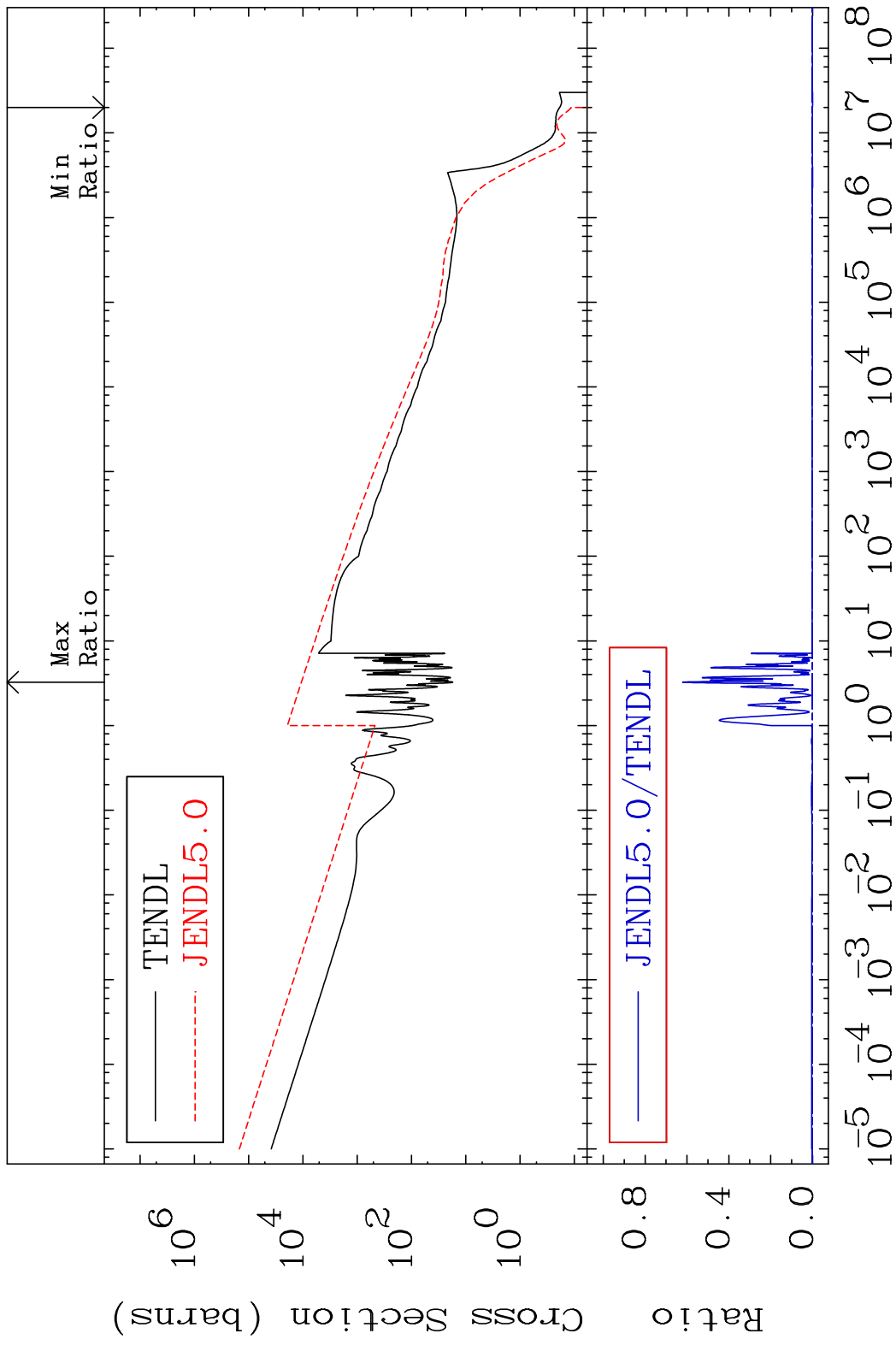
MAT 7516 Kerma inelastic (mt51-91) 75-Re-182  
 Cross Section -1755. To 9999. %



MAT 7516 Kerma fission (mt18 or mt19-20-21-38)75-Re-182  
 Cross Section -1755. To 9999. %

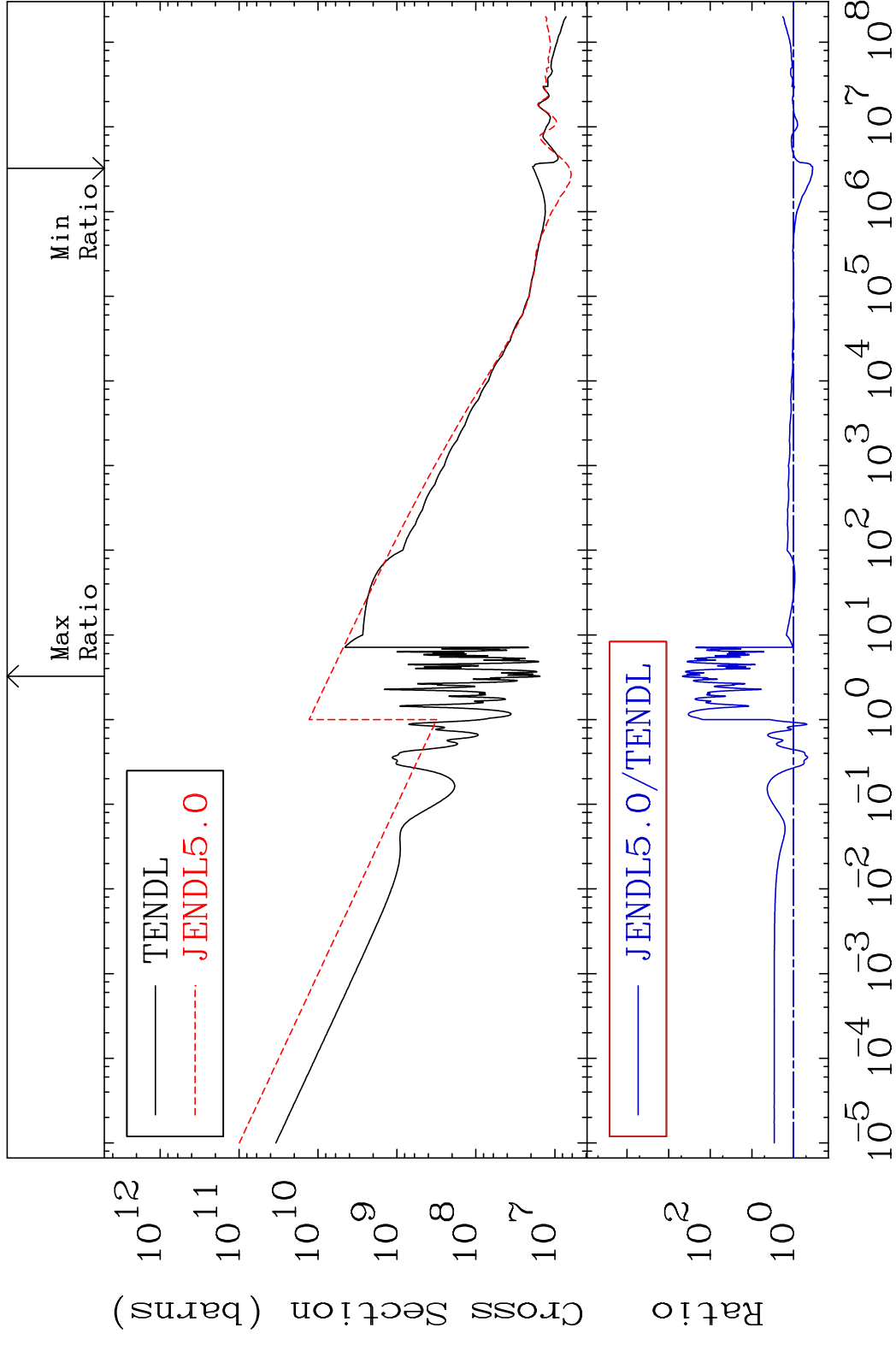


MAT 7516 Kerma capture (mt102) 75-Re-182  
 Cross Section -100.0 To 9999. %

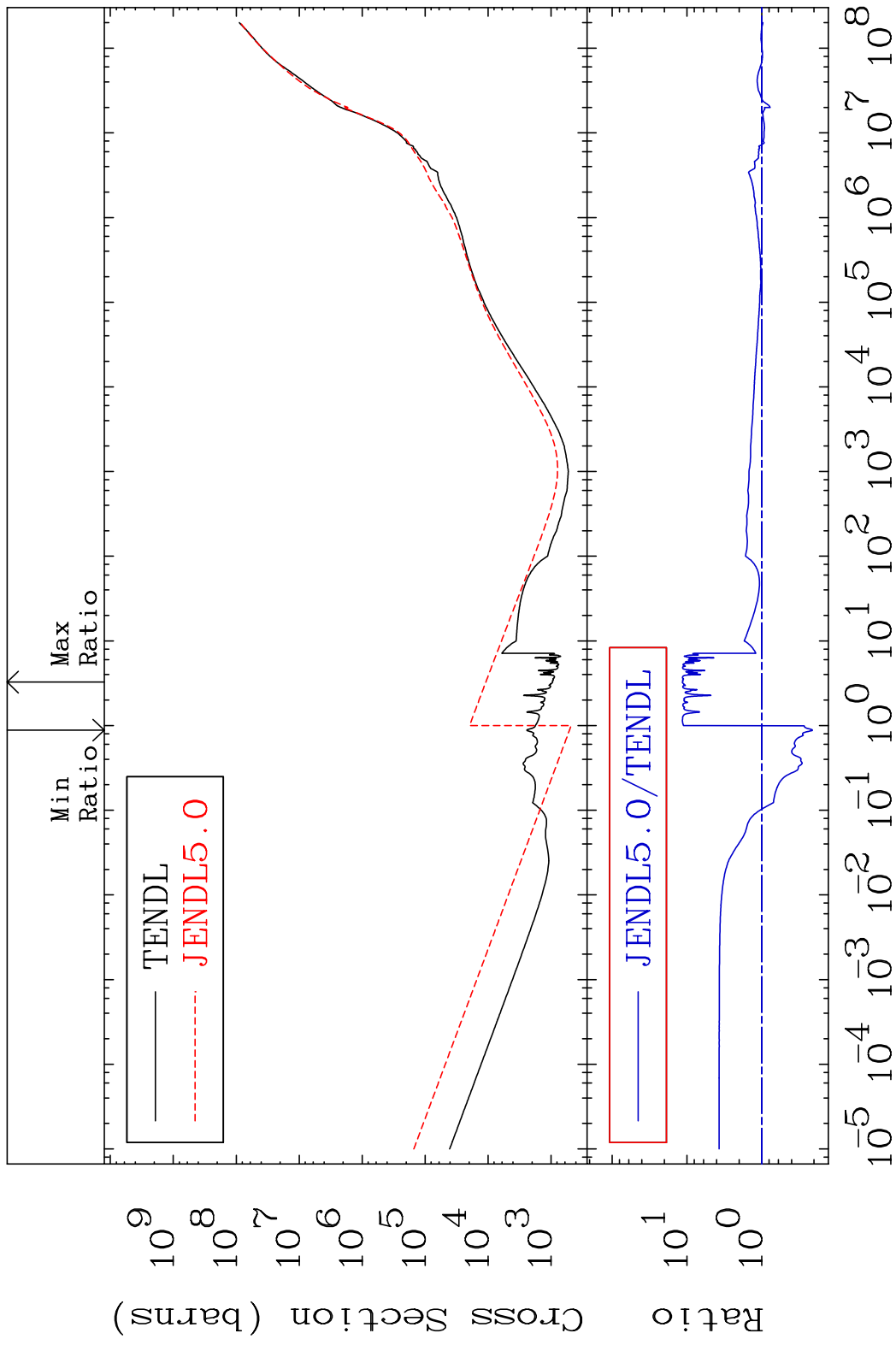


36 Incident Energy (eV) 75-Re-182

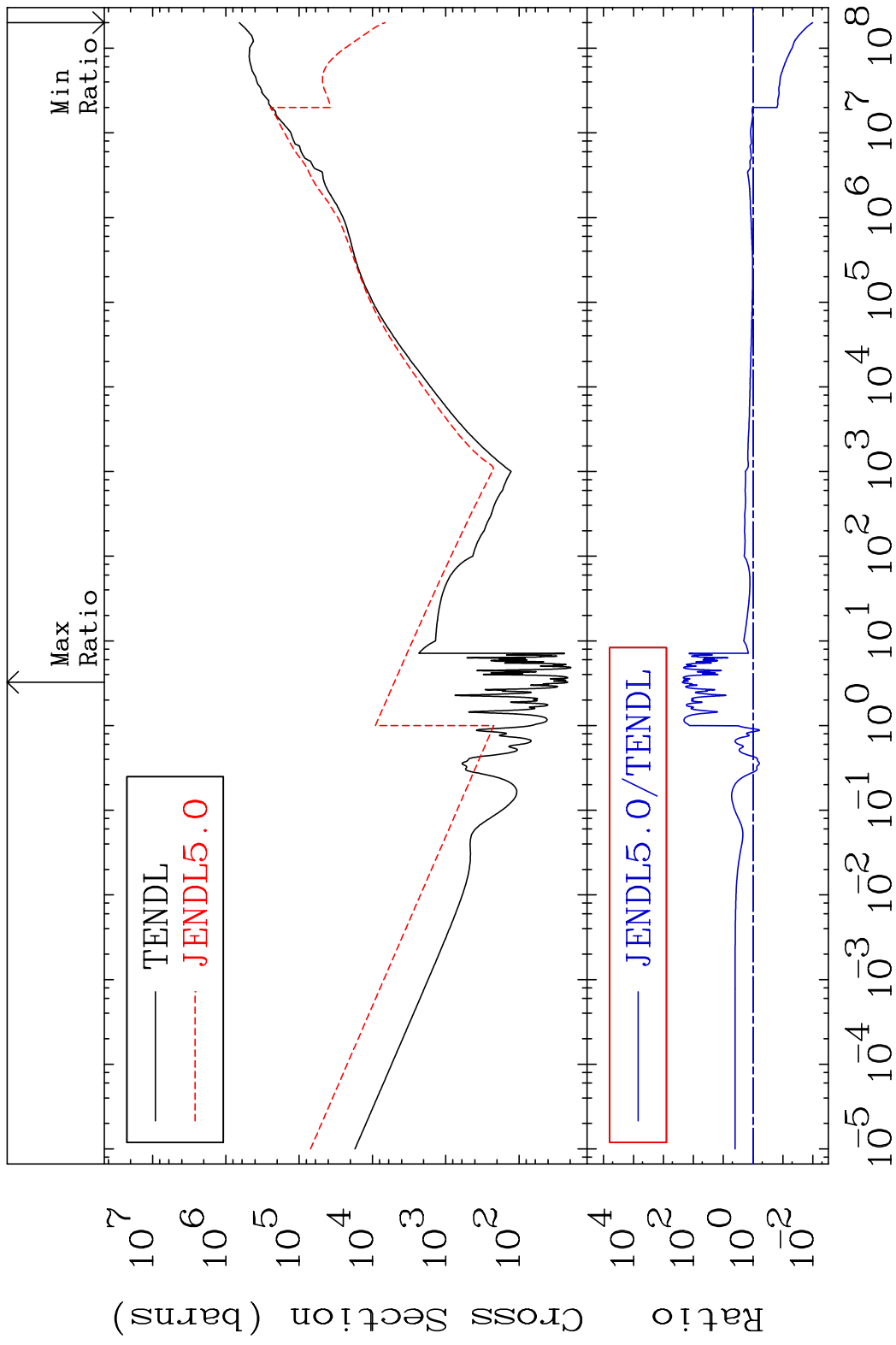
MAT 7516 Total photon (eV-barns) 75-Re-182  
 Cross Section -65.20 To 9999. %



MAT 7516 Total kinematic kerma (high limit) 75-Re-182  
 Cross Section -79.05 To 1051. %



MAT 7516 Dpa total (eV-barns) 75-Re-182  
 Cross Section -98.97 To 9999. %



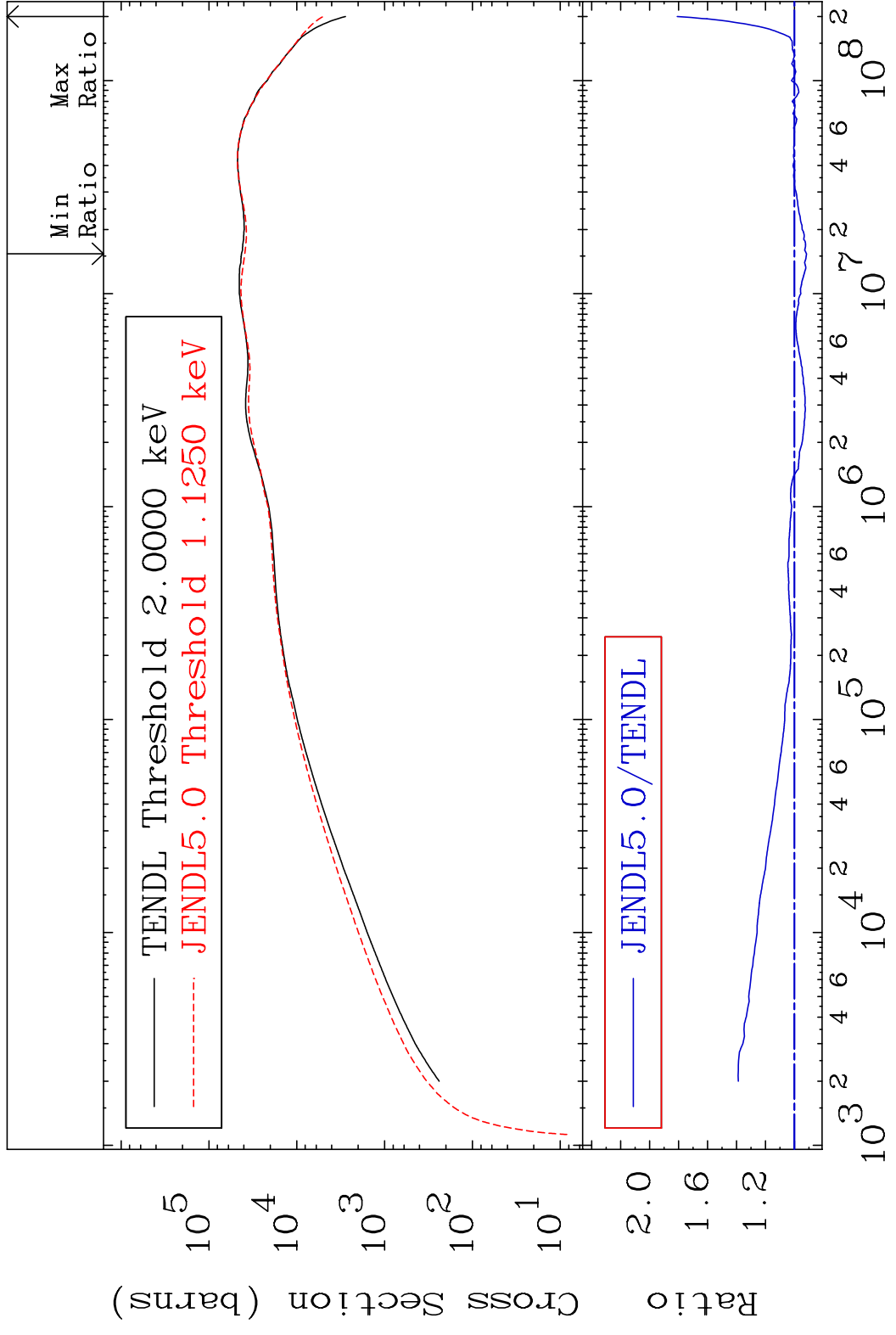


MAT 7516

Dpa elastic (mt2)

75-Re-182

Cross Section -8.250 To 80.99 %

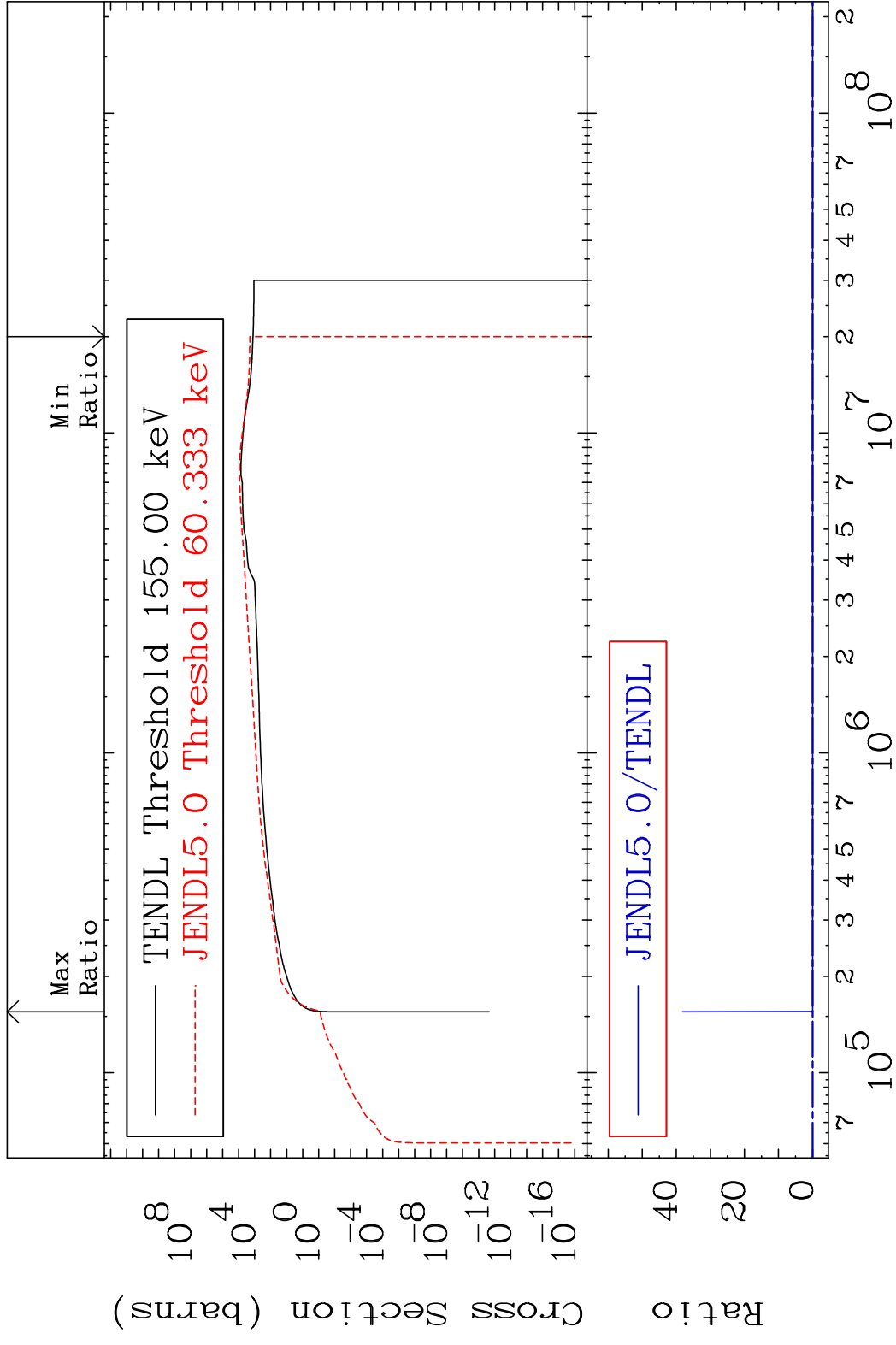


40

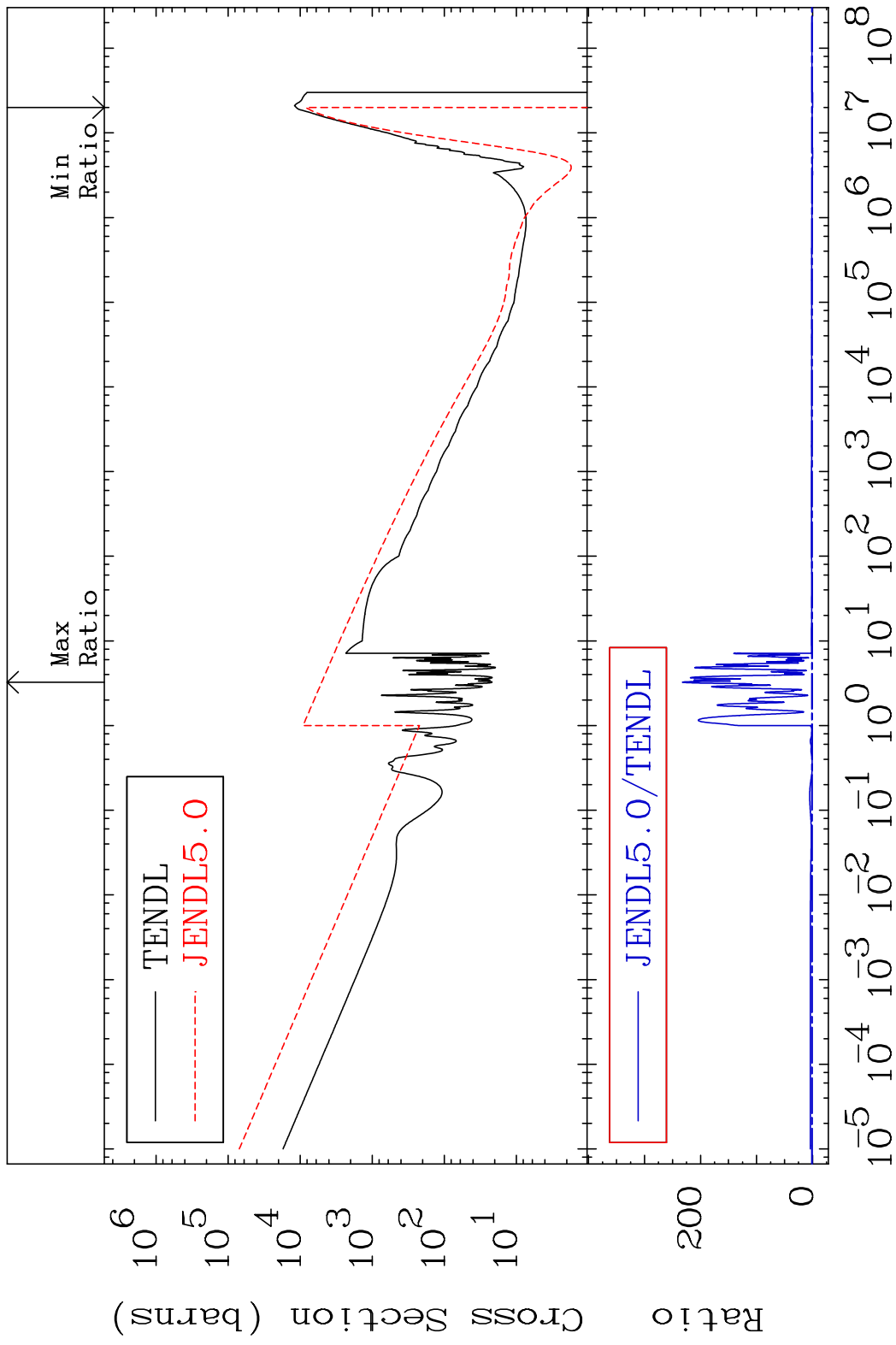
Incident Energy (eV)

75-Re-182

MAT 7516 Dpa inelastic (mt51-91) 75-Re-182  
 Cross Section -100.0 To 9999. %



MAT 7516 Dpa disappearance (mt102 -120) 75-Re-182  
 Cross Section -100.0 To 9999. %



MAT 7516 (n, n') t:74-W -179g 75-Re-182  
 Radionuclide Production Cross Section 180.0 mb 248.3 %

