

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

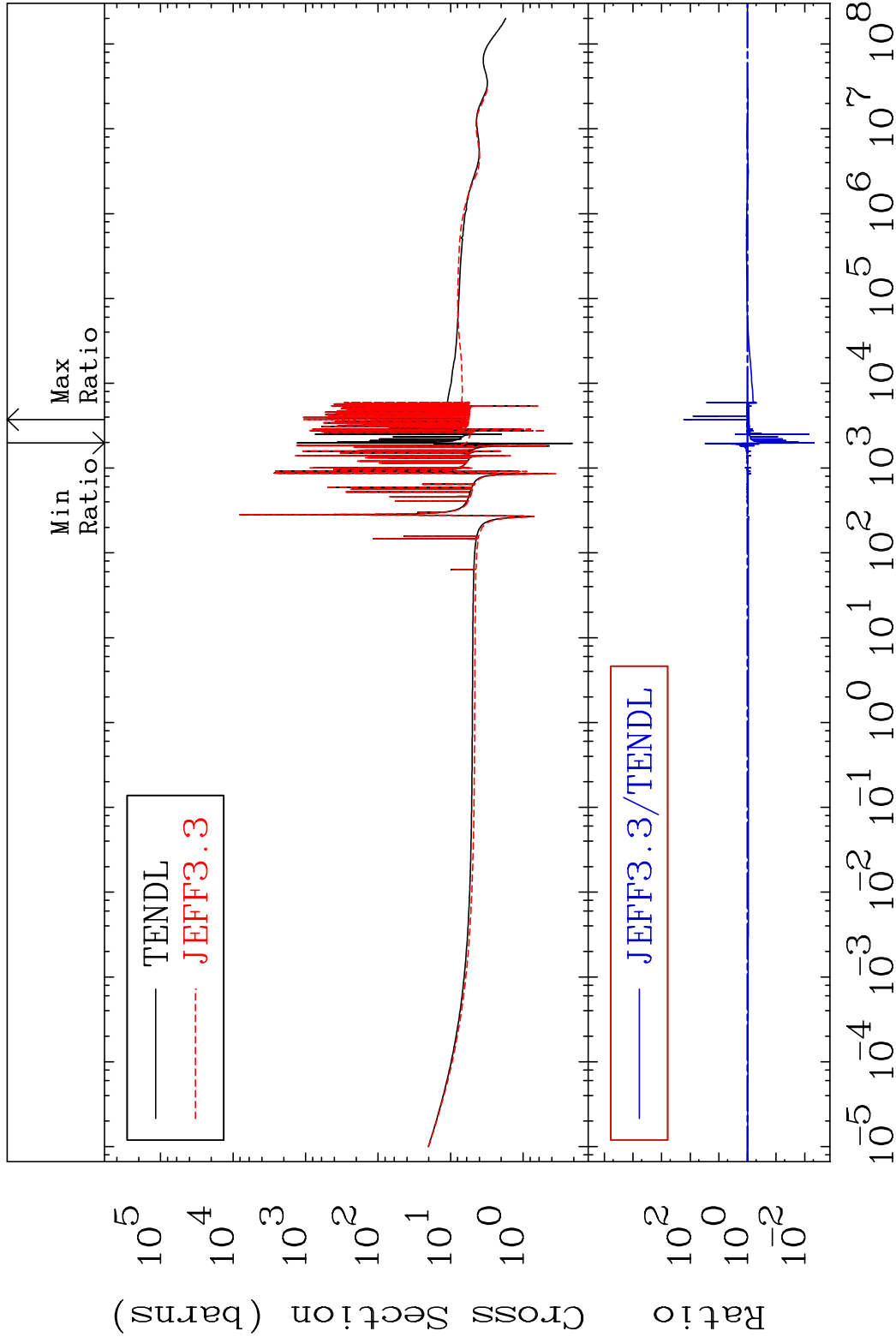
Press Mouse Button to Start

MAT 4637

Total

46-Pd-106

Cross Section -99.53 To 9999. %



1

Incident Energy (eV)

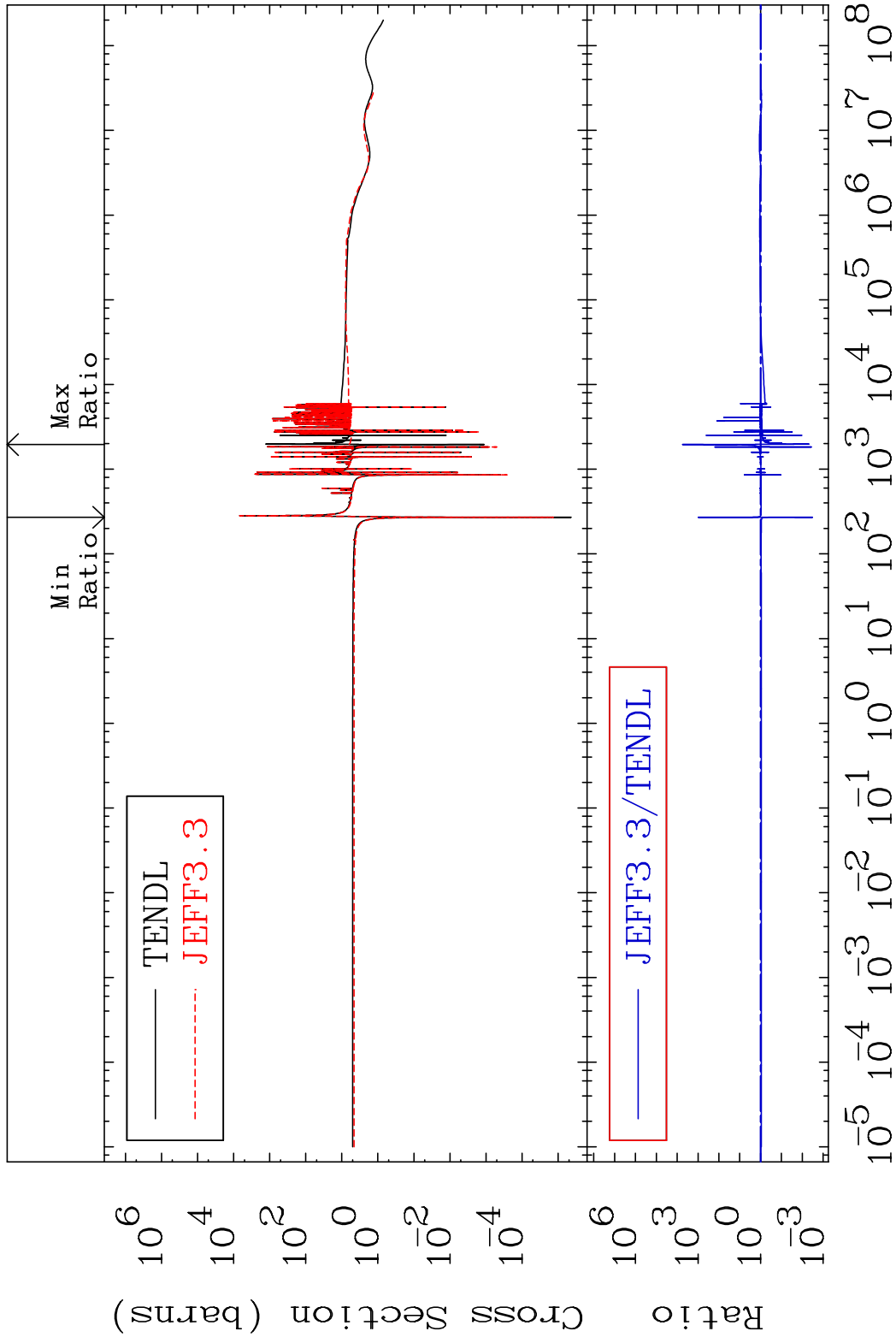
46-Pd-106

MAT 4637

Elastic

46-Pd-106

Cross Section -99.68 To 9999. %

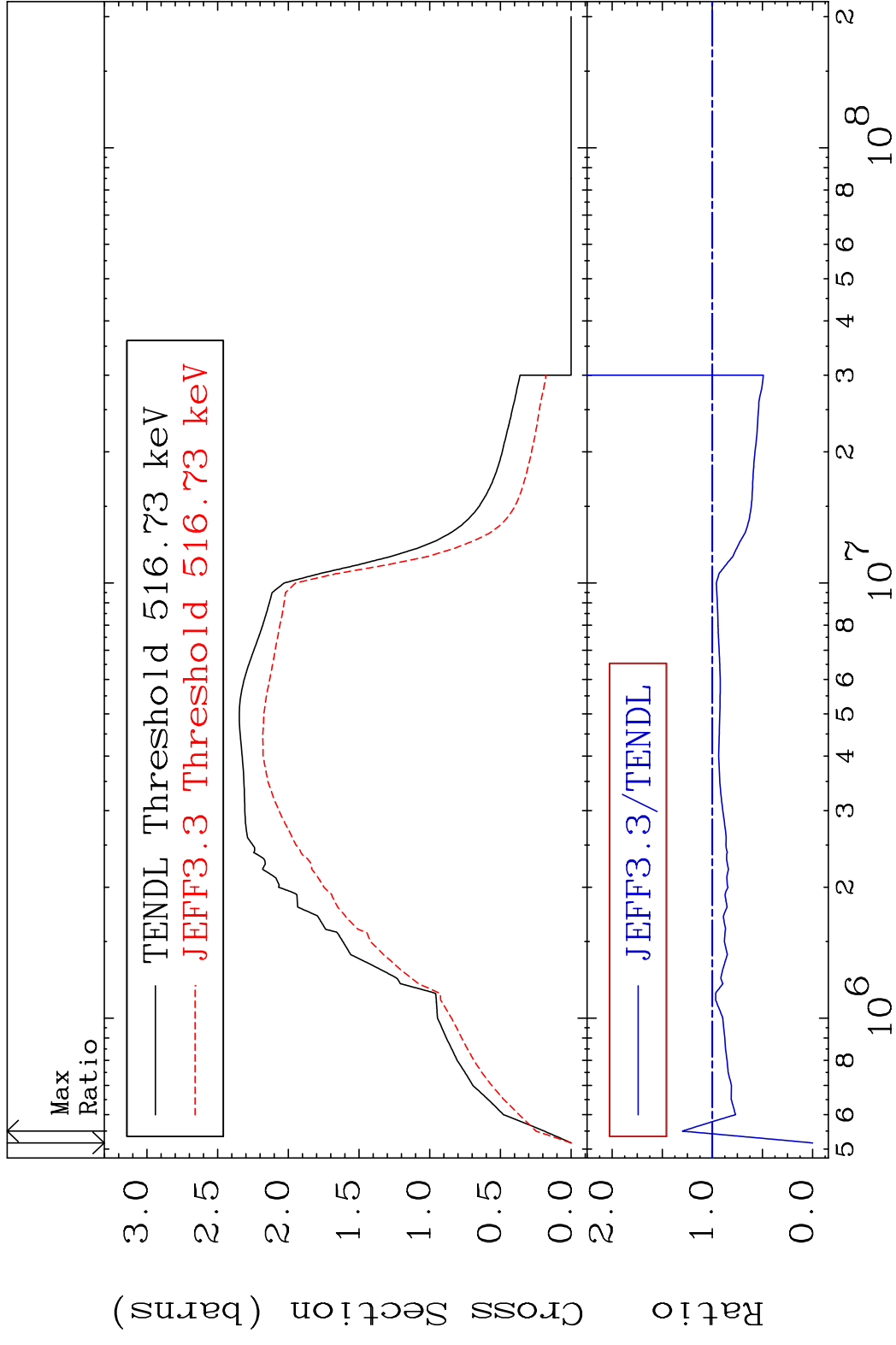


2

Incident Energy (eV)

46-Pd-106

MAT 4637 Inelastic 46-Pd-106
 Cross Section -100.0 To 29.96 %



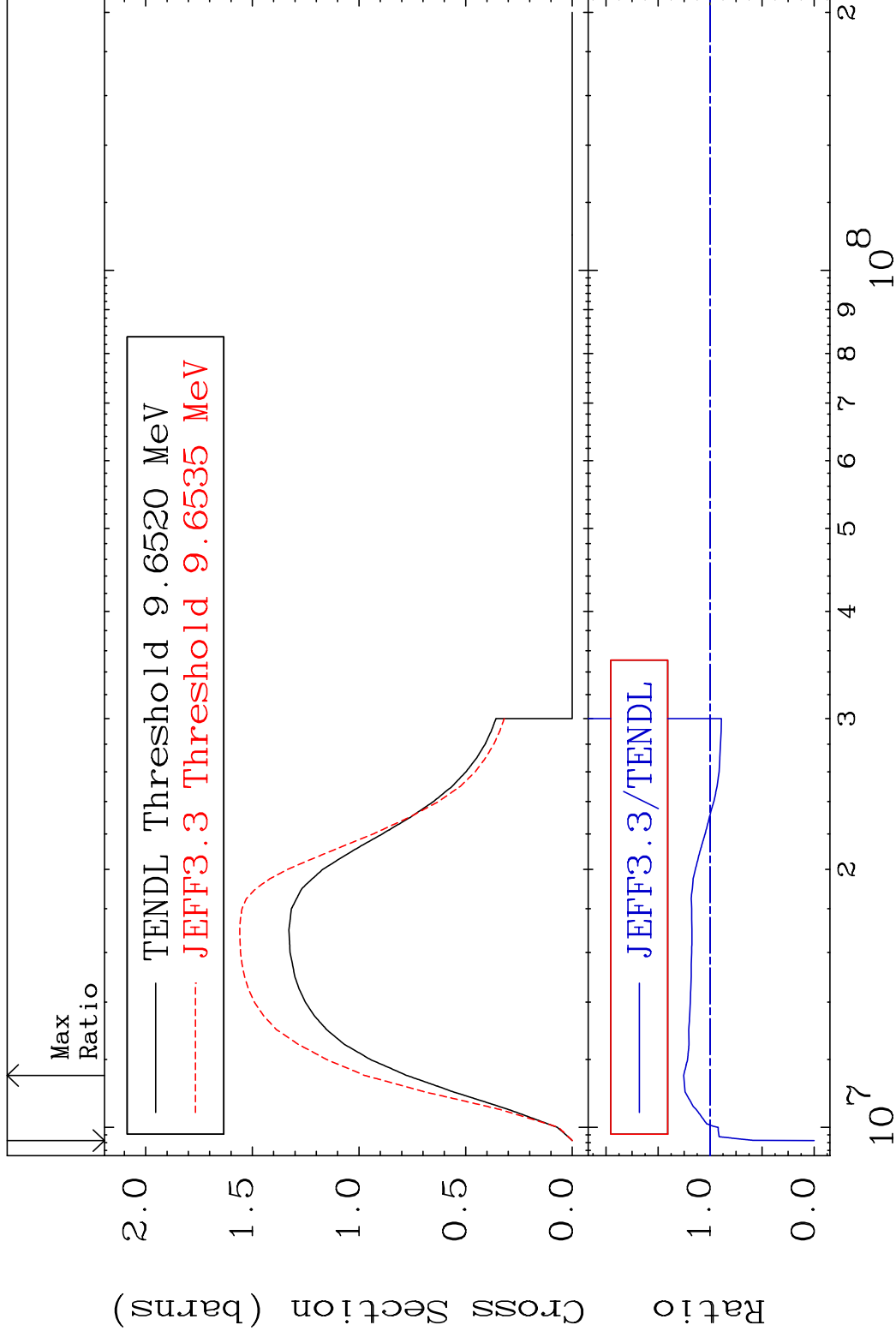
3 Incident Energy (eV) 46-Pd-106

MAT 4637

(n,2n)

46-Pd-106

Cross Section -100.0 To 25.39 %



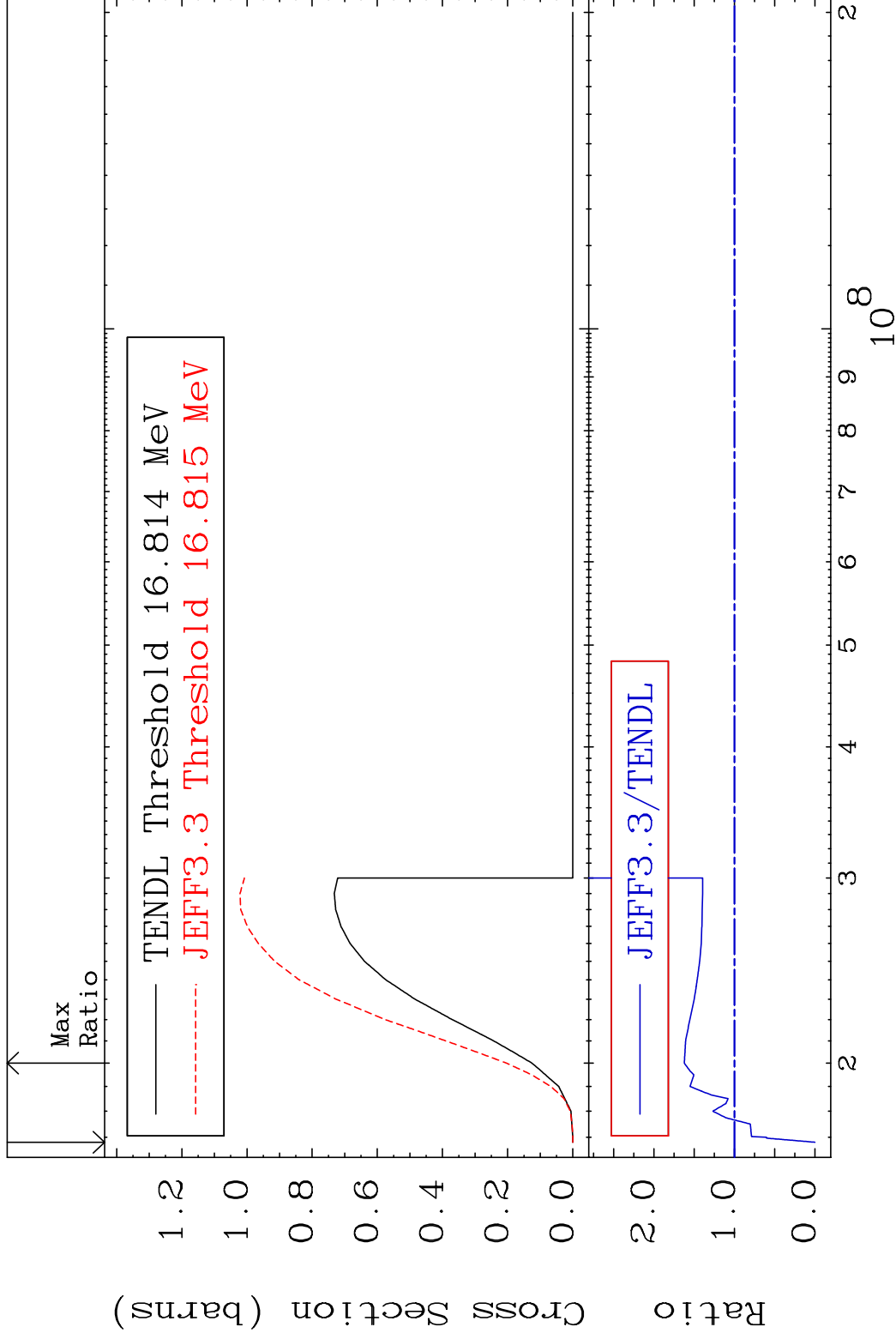
46-Pd-106

MAT 4637

(n,3n)

46-Pd-106

Cross Section -100.0 To 62.29 %



5

Incident Energy (eV)

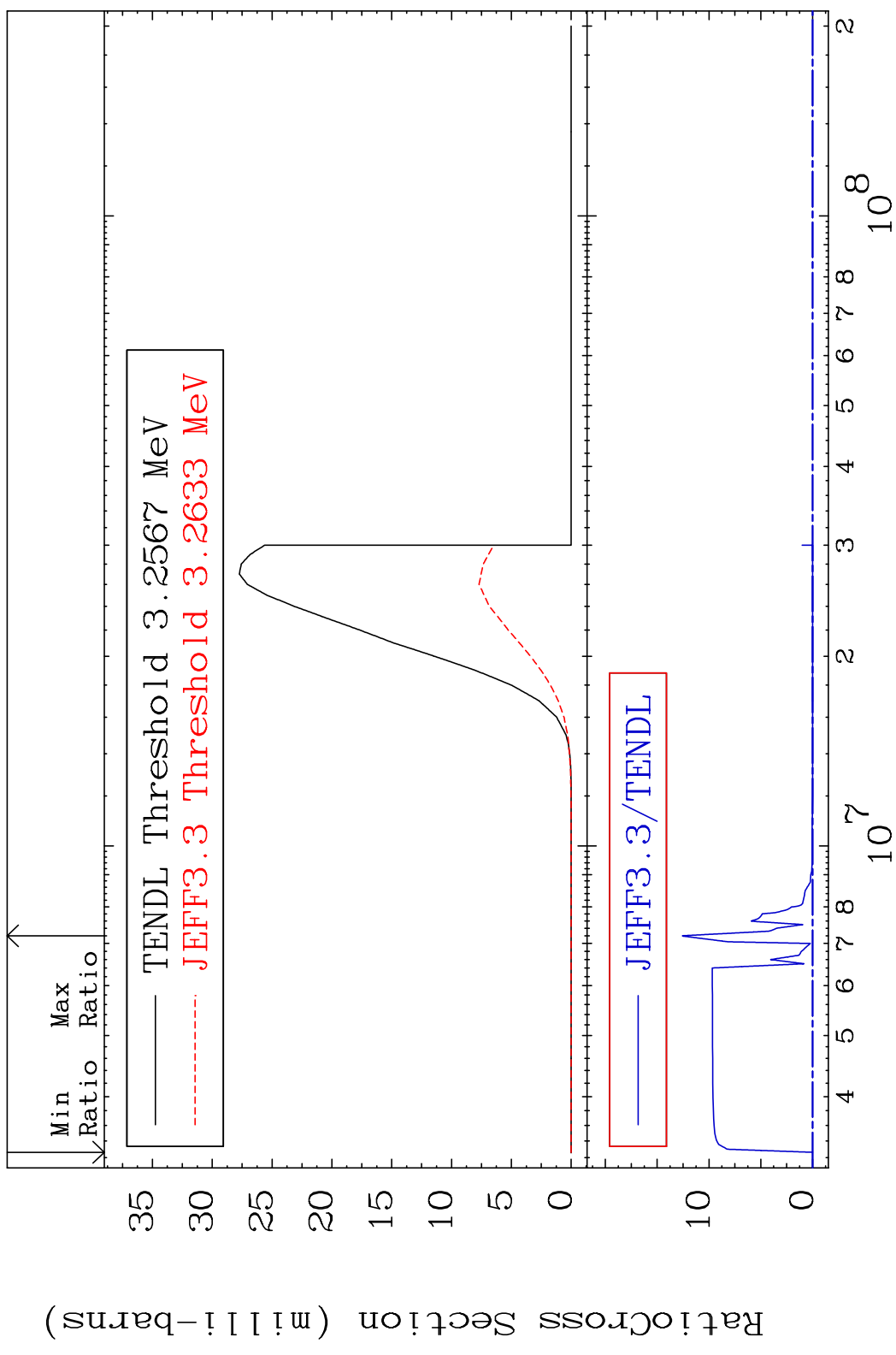
46-Pd-106

MAT 4637

(n, n') α

46-Pd-106

Cross Section -100.0 To 9999. %

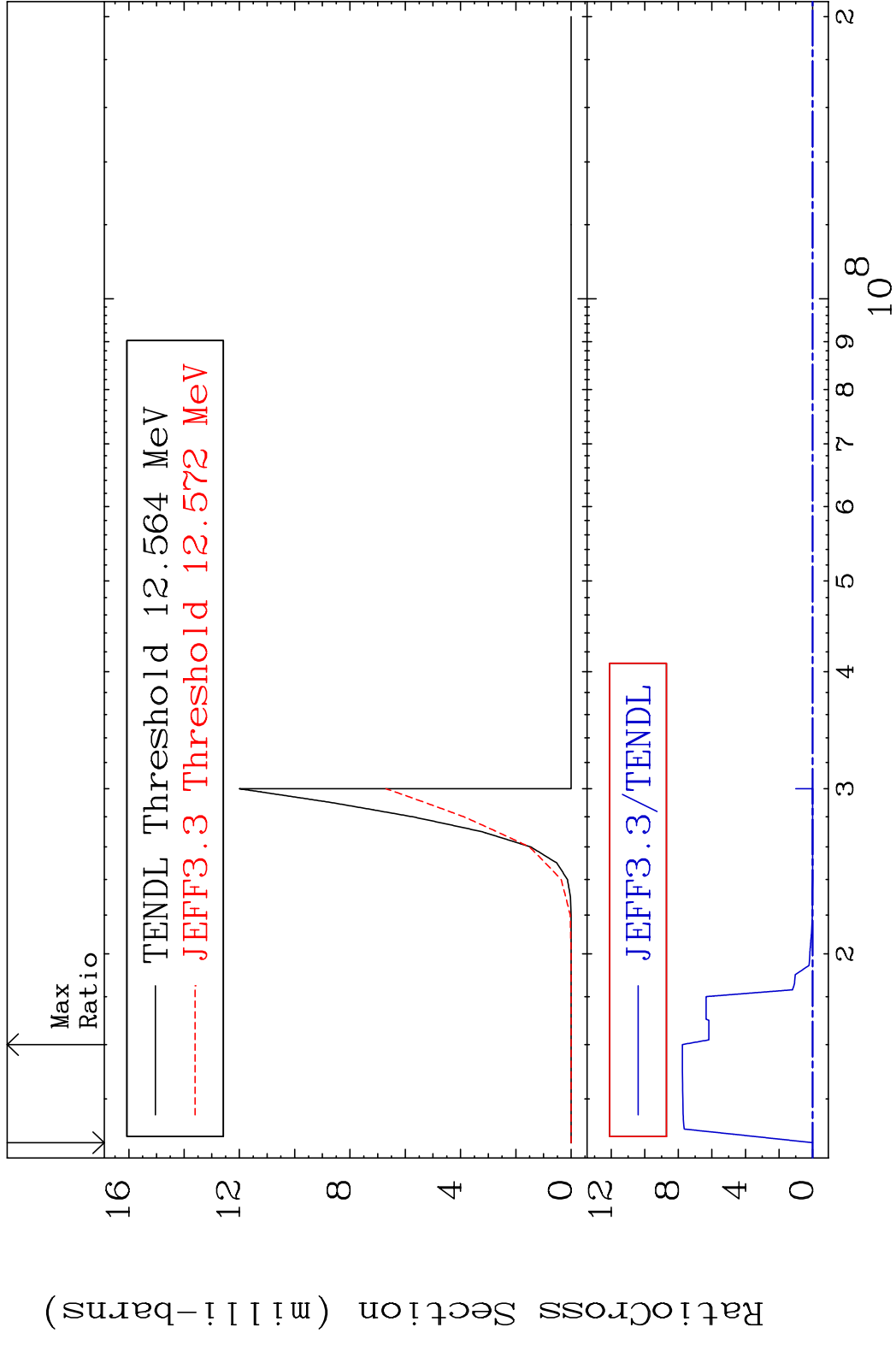


MAT 4637

(n,2n) α

46-Pd-106

Cross Section -100.0 To 9999. %

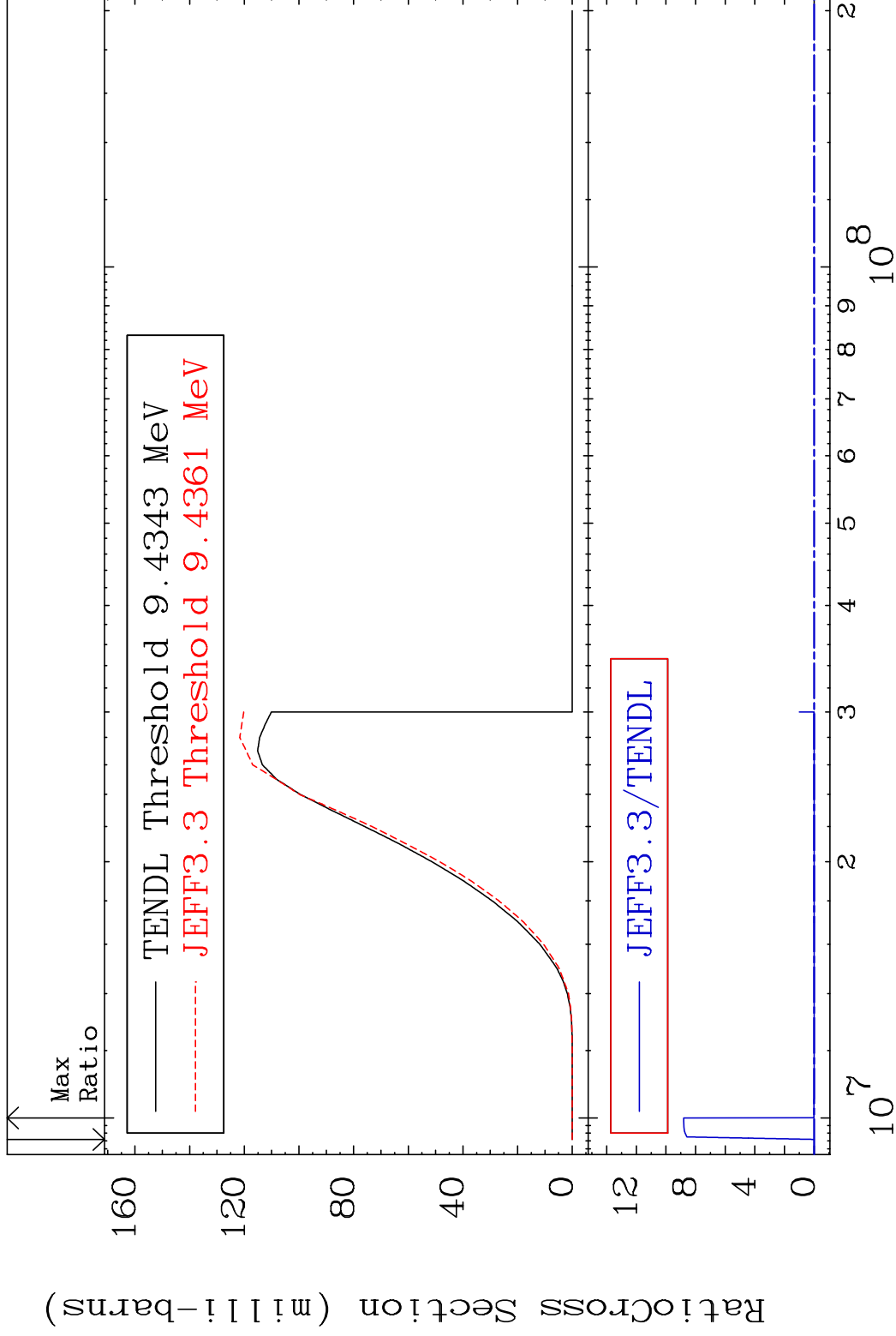


MAT 4637

(n, n') p

46-Pd-106

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

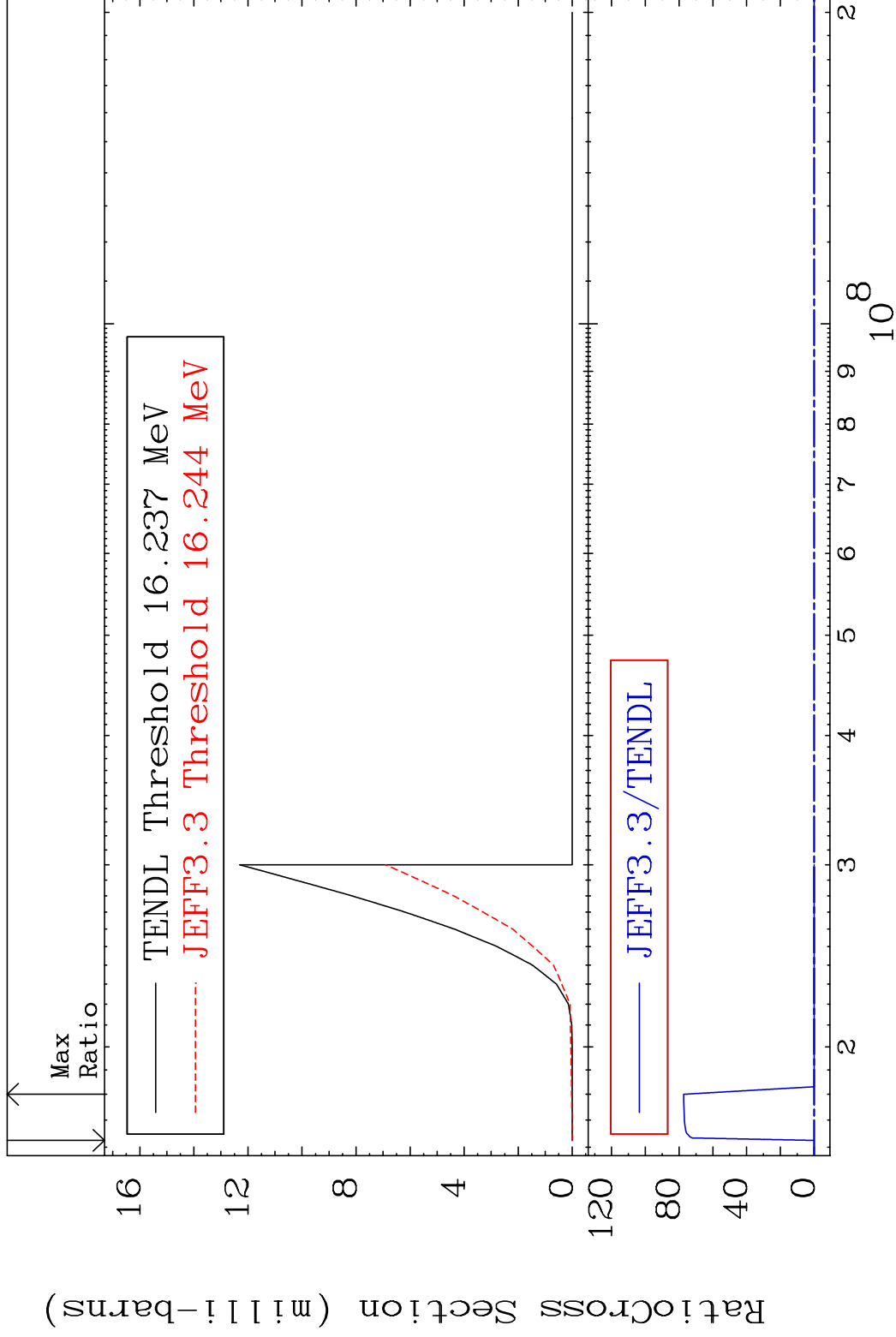
46-Pd-106

MAT 4637

(n, n') d

46-Pd-106

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

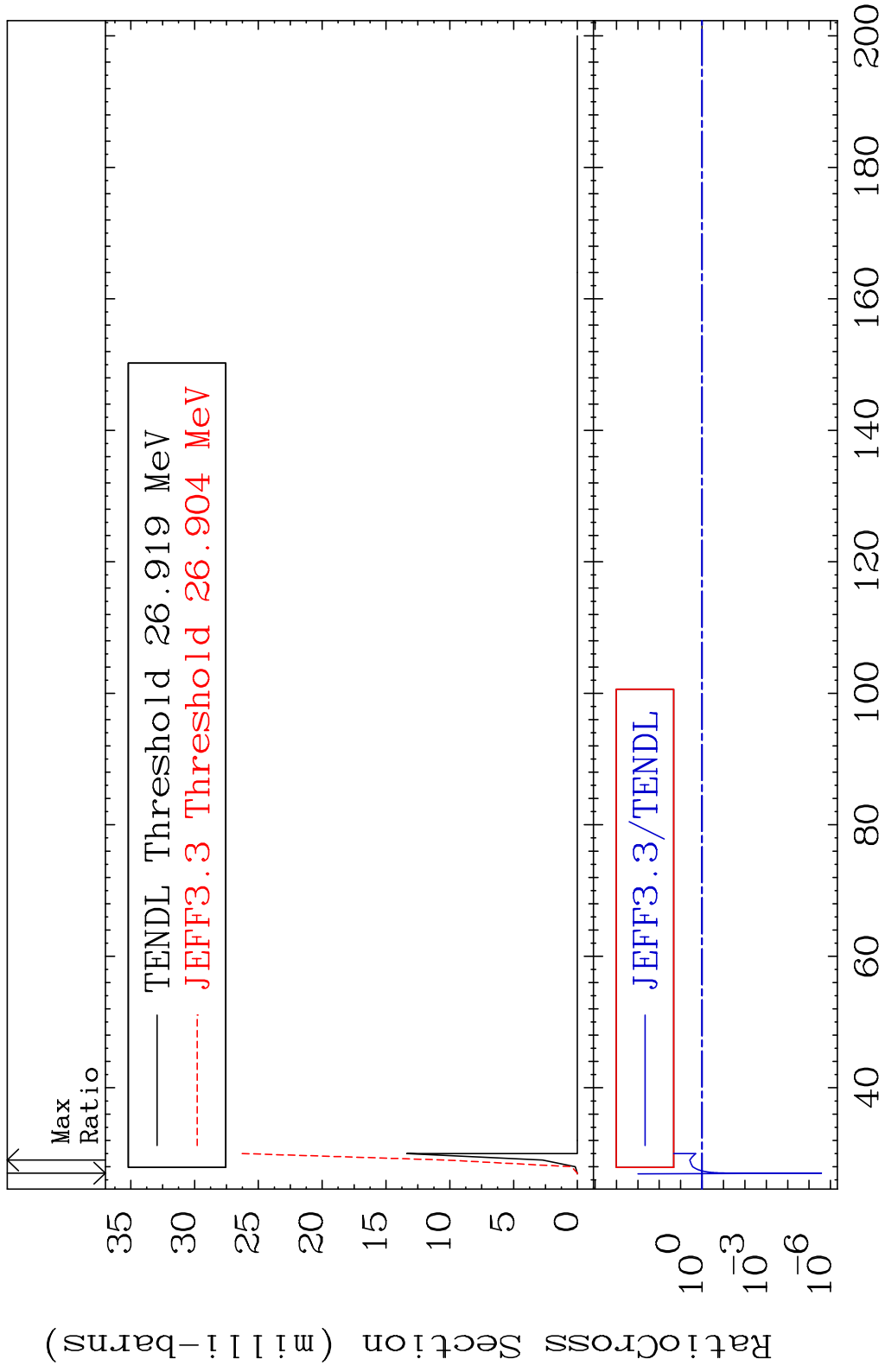
46-Pd-106

MAT 4637

(n,4n)

46-Pd-106

Cross Section -100.0 To 274.4 %



10

Incident Energy (MeV)

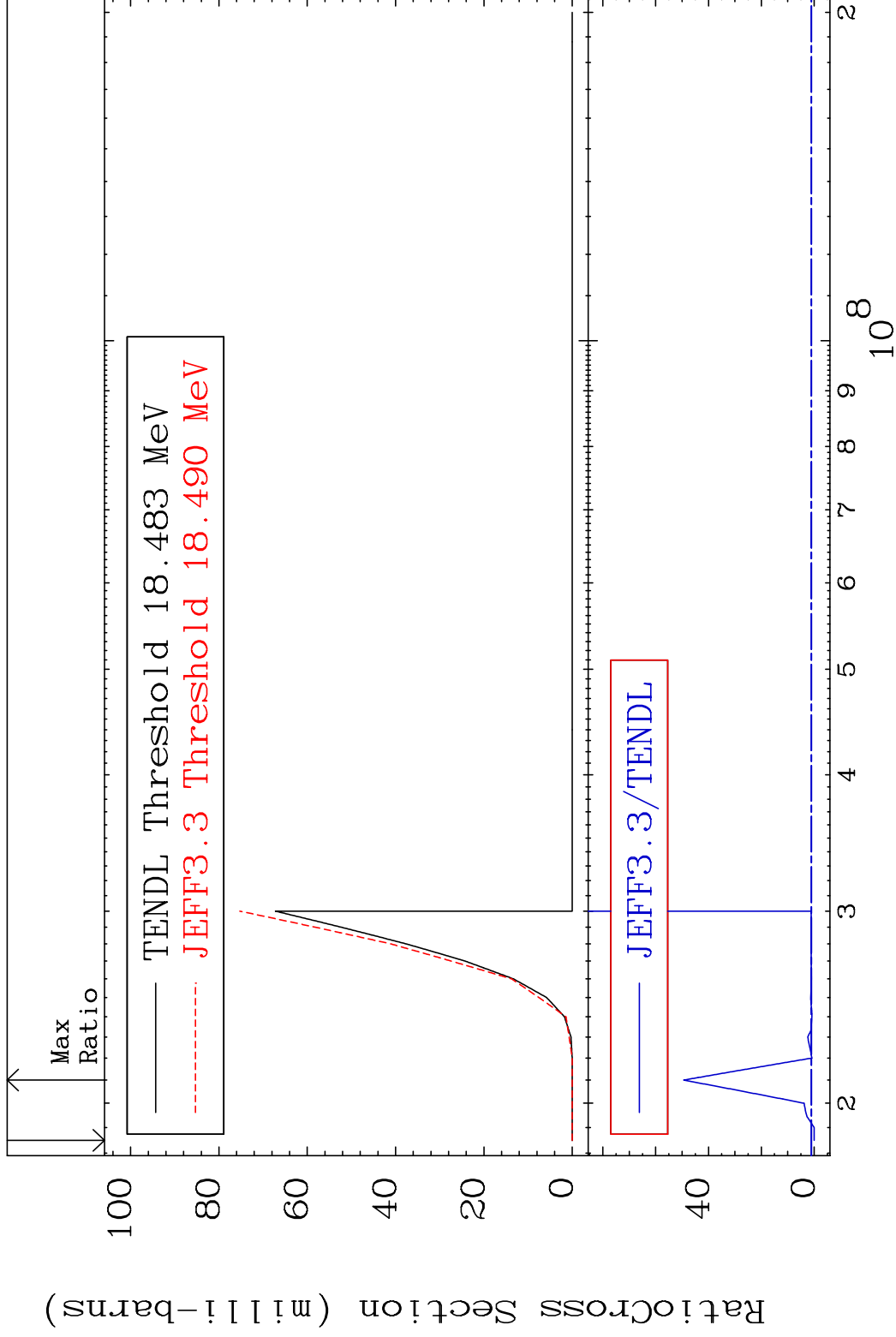
46-Pd-106

MAT 4637

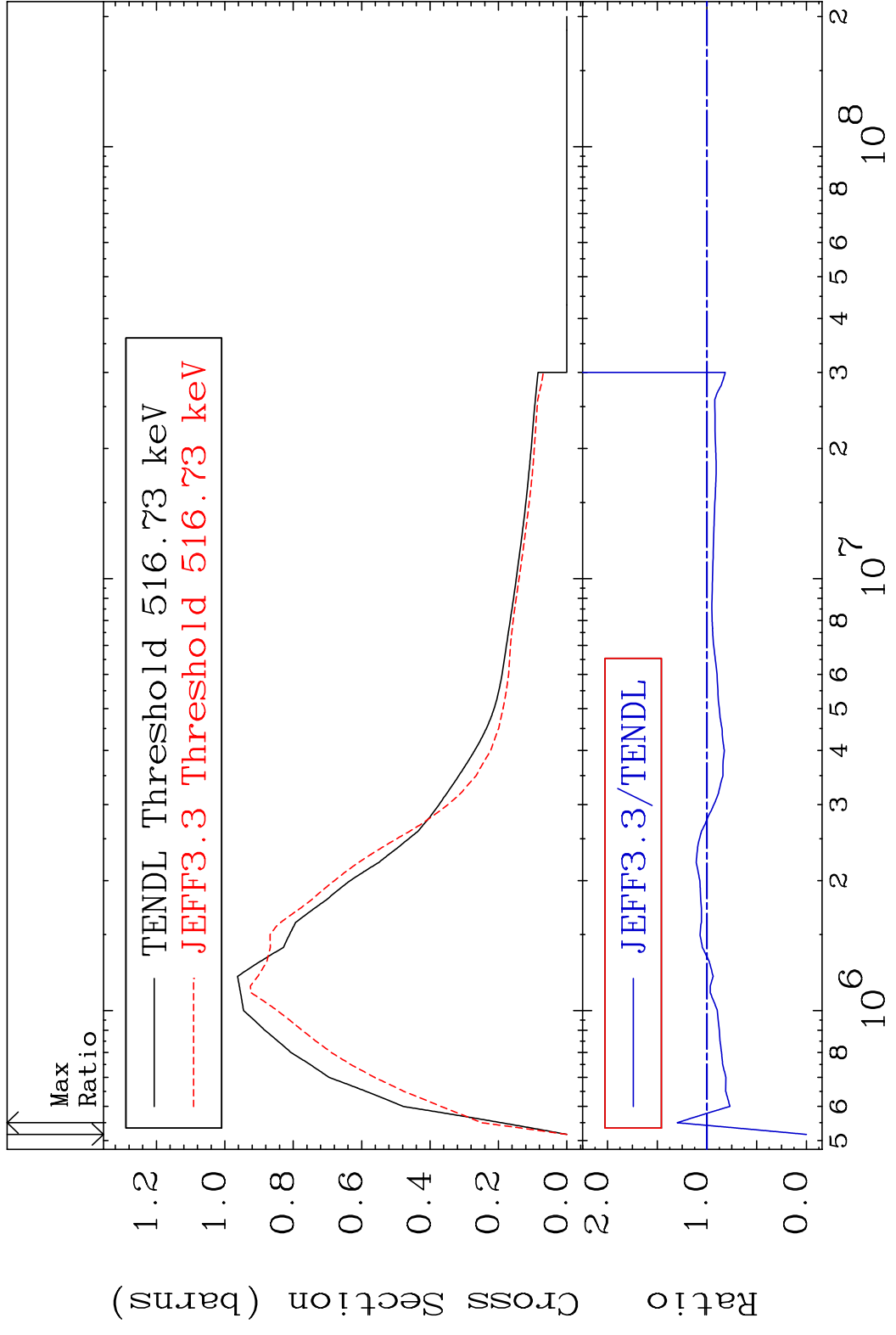
(n,2n) p

46-Pd-106

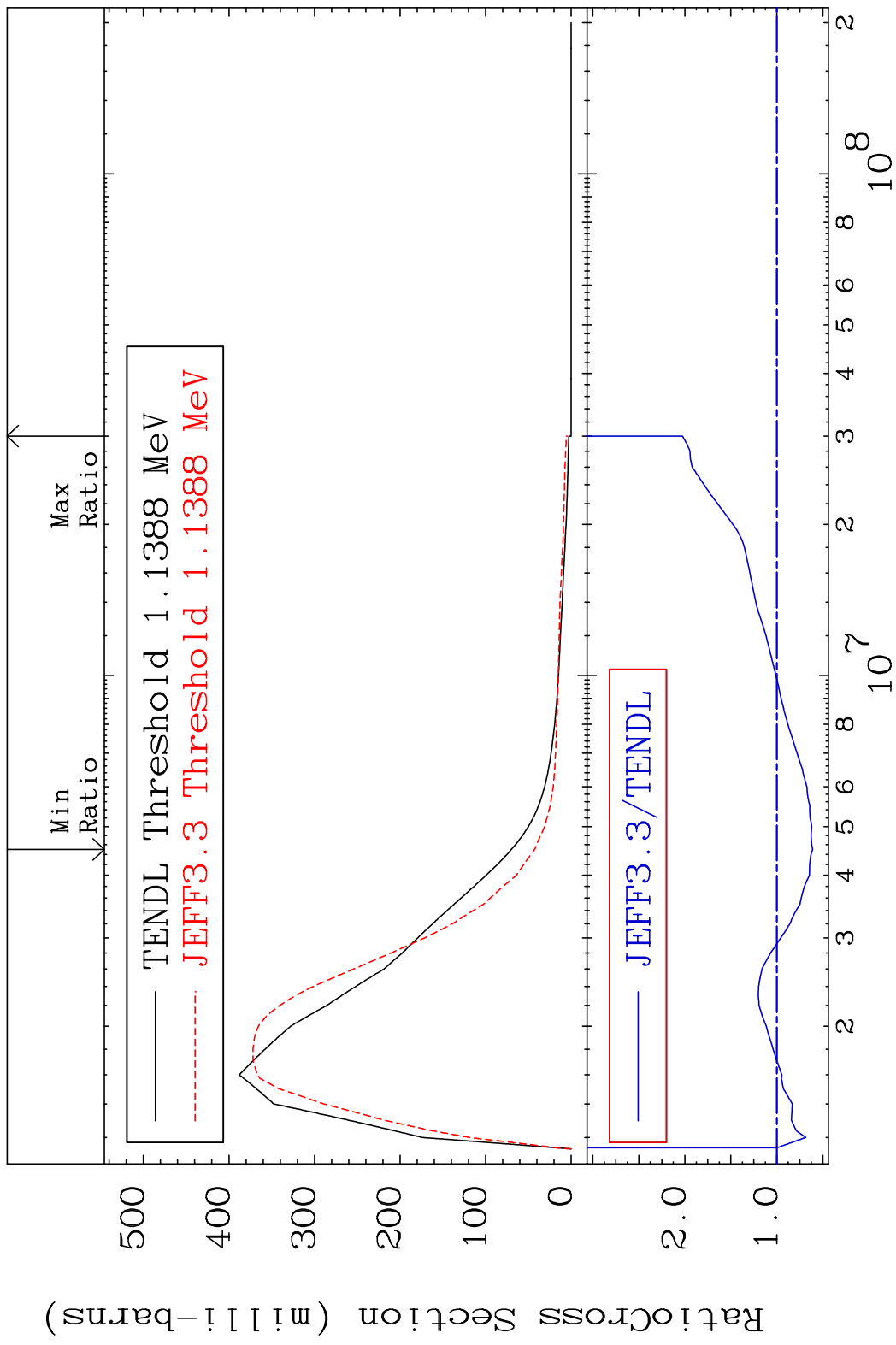
Cross Section -100.0 To 4840. %



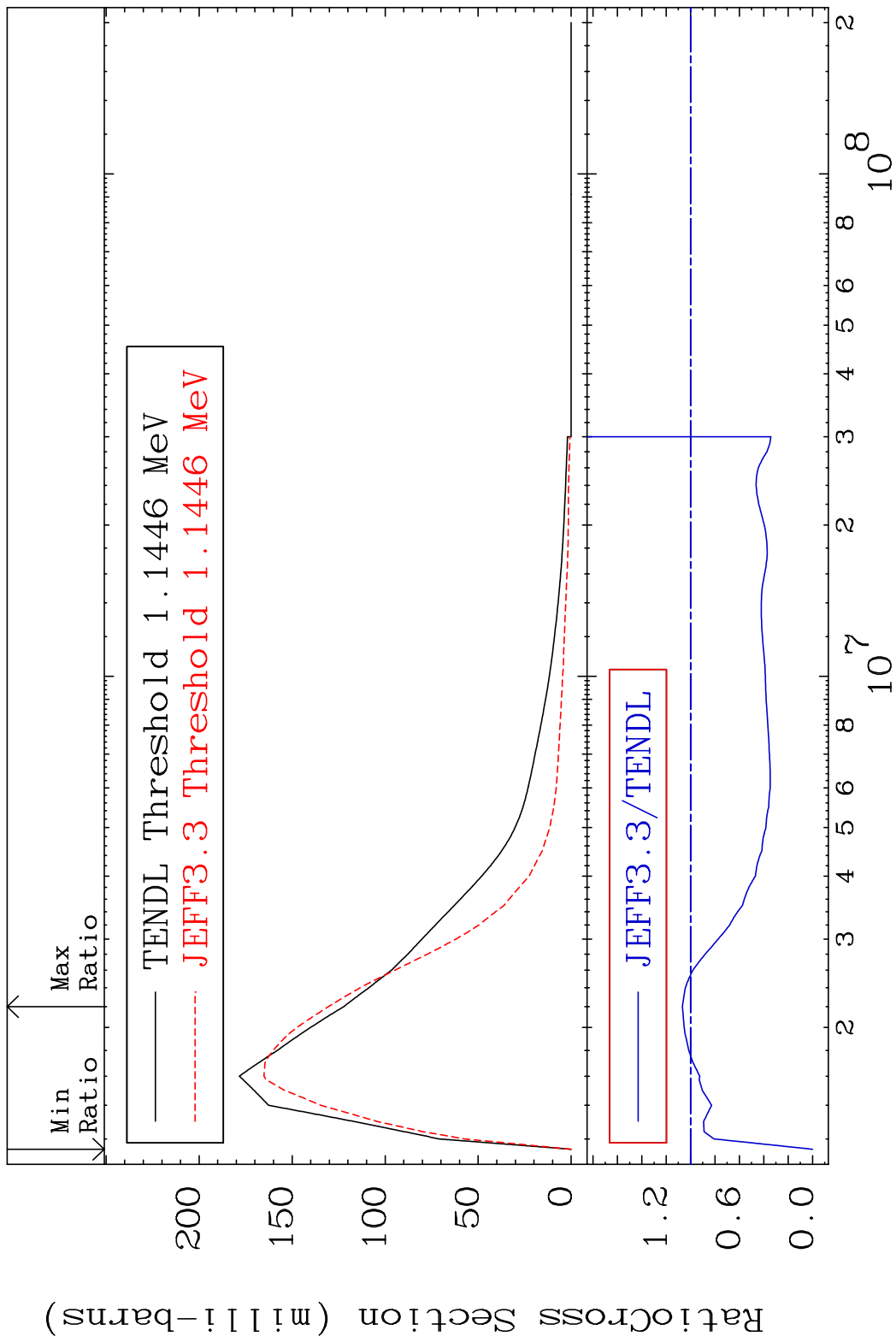
MAT 4637 MT= 51 (n,n') Level 46-Pd-106
 Cross Section -100.0 To 29.96 %



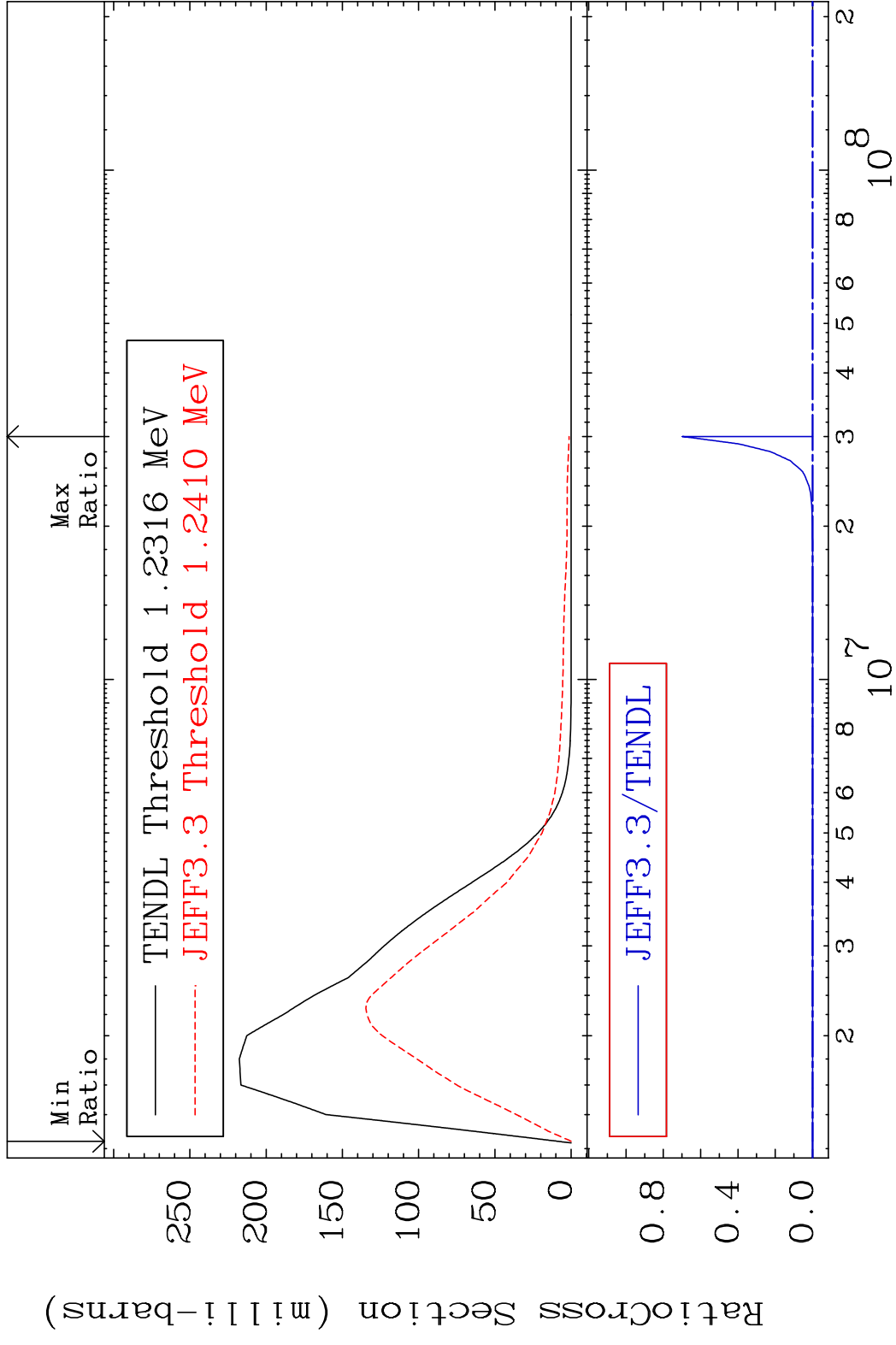
MAT 4637 MT= 52 (n, n') Level 46-Pd-106
 Cross Section -38.89 To 102.7 %



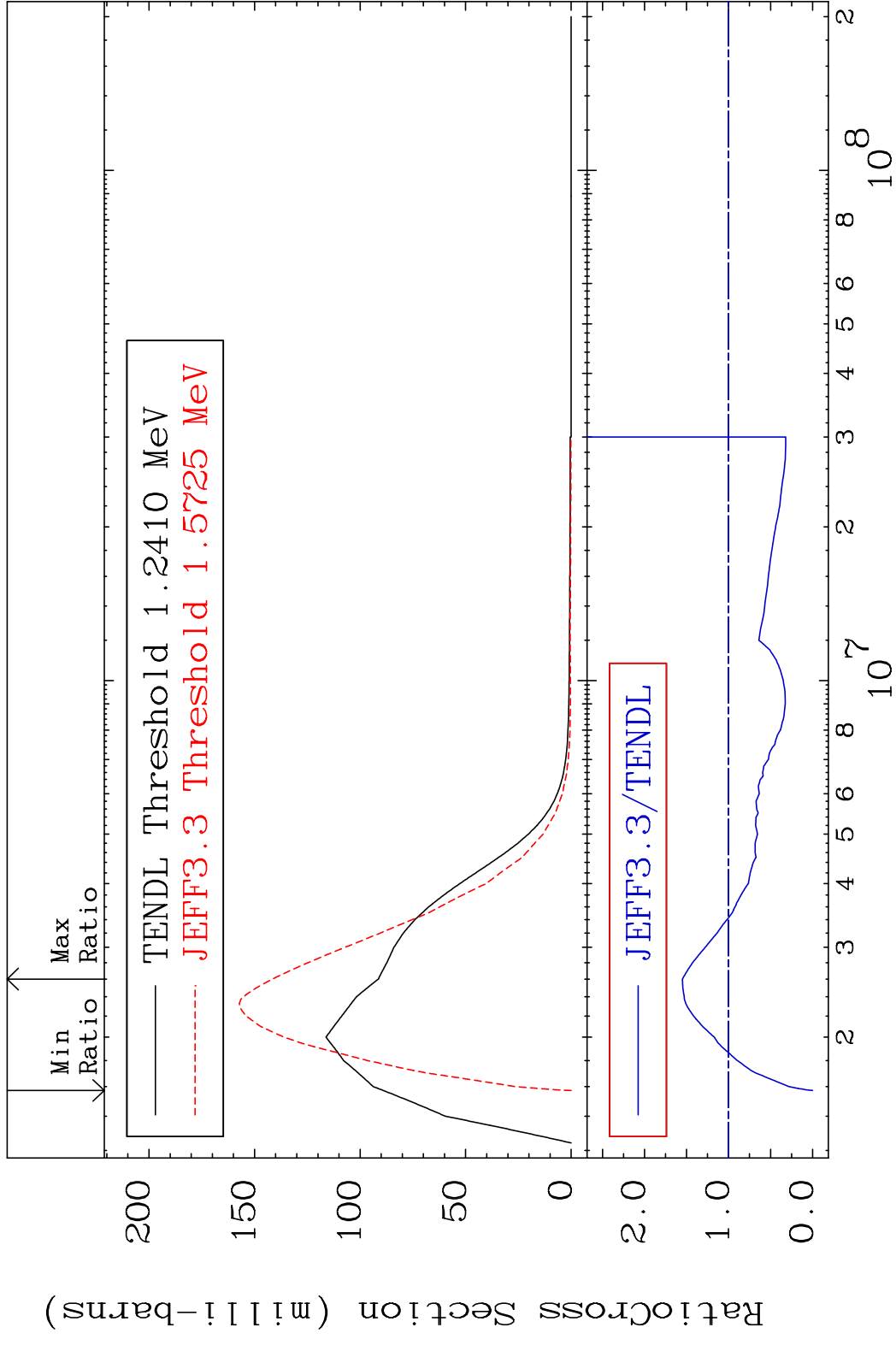
MAT 4637 MT= 53 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 6.754 %



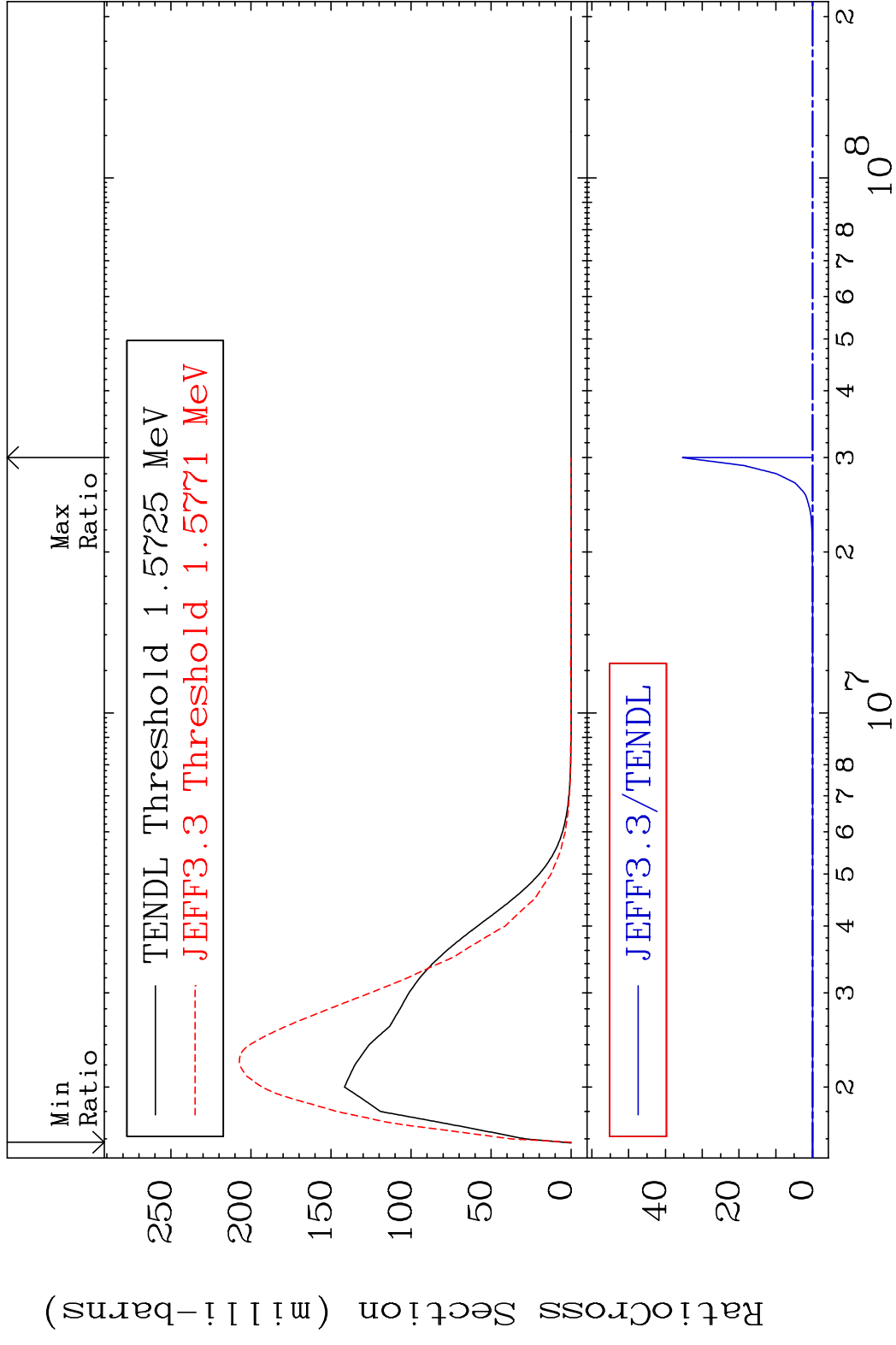
MAT 4637 MT= 54 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 9999. %



MAT 4637 MT= 55 (n,n') Level 46-Pd-106
 Cross Section -100.0 To 54.93 %

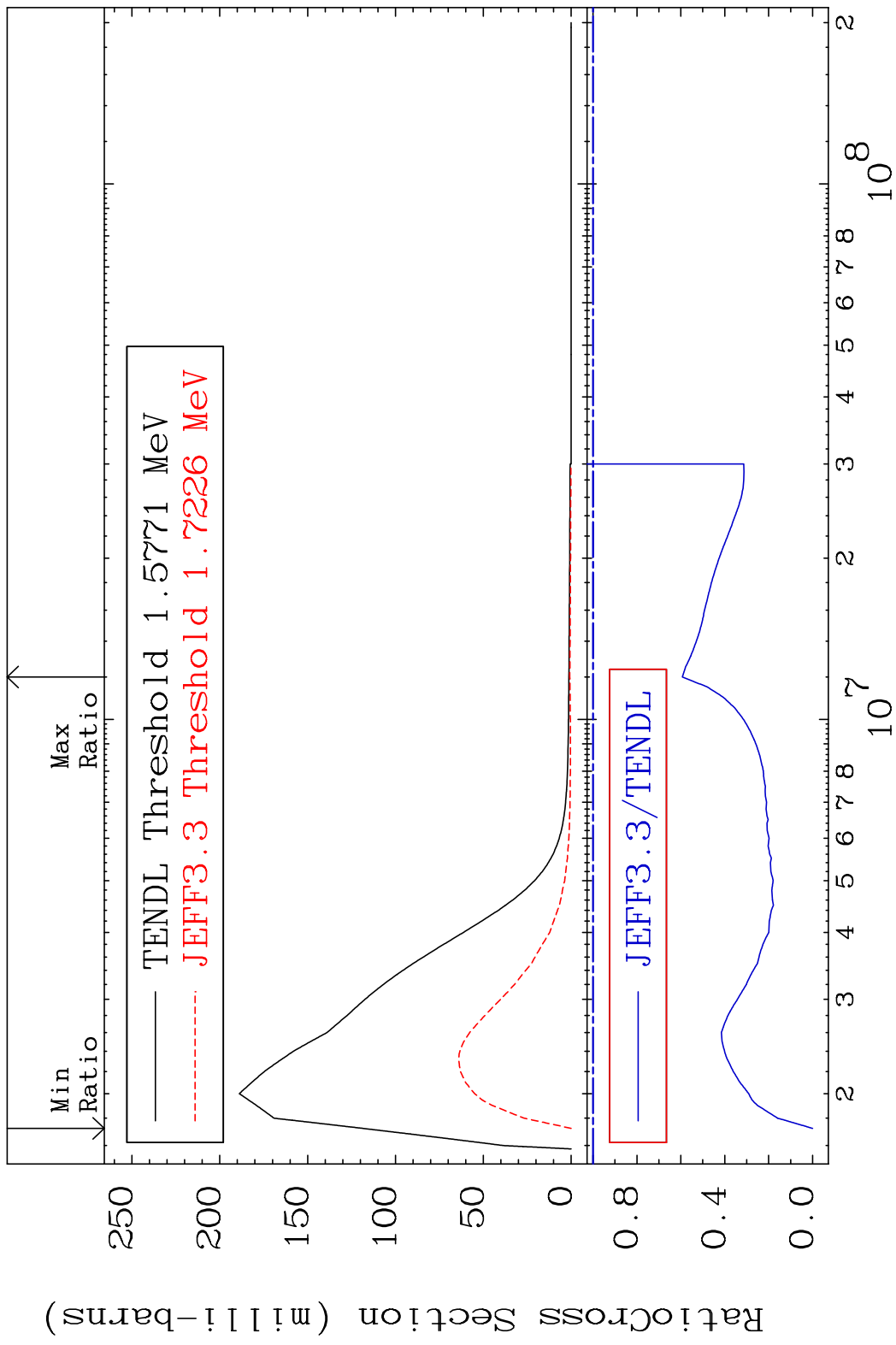


MAT 4637 MT= 56 (n,n') Level 46-Pd-106
 Cross Section -100.0 To 9999. %



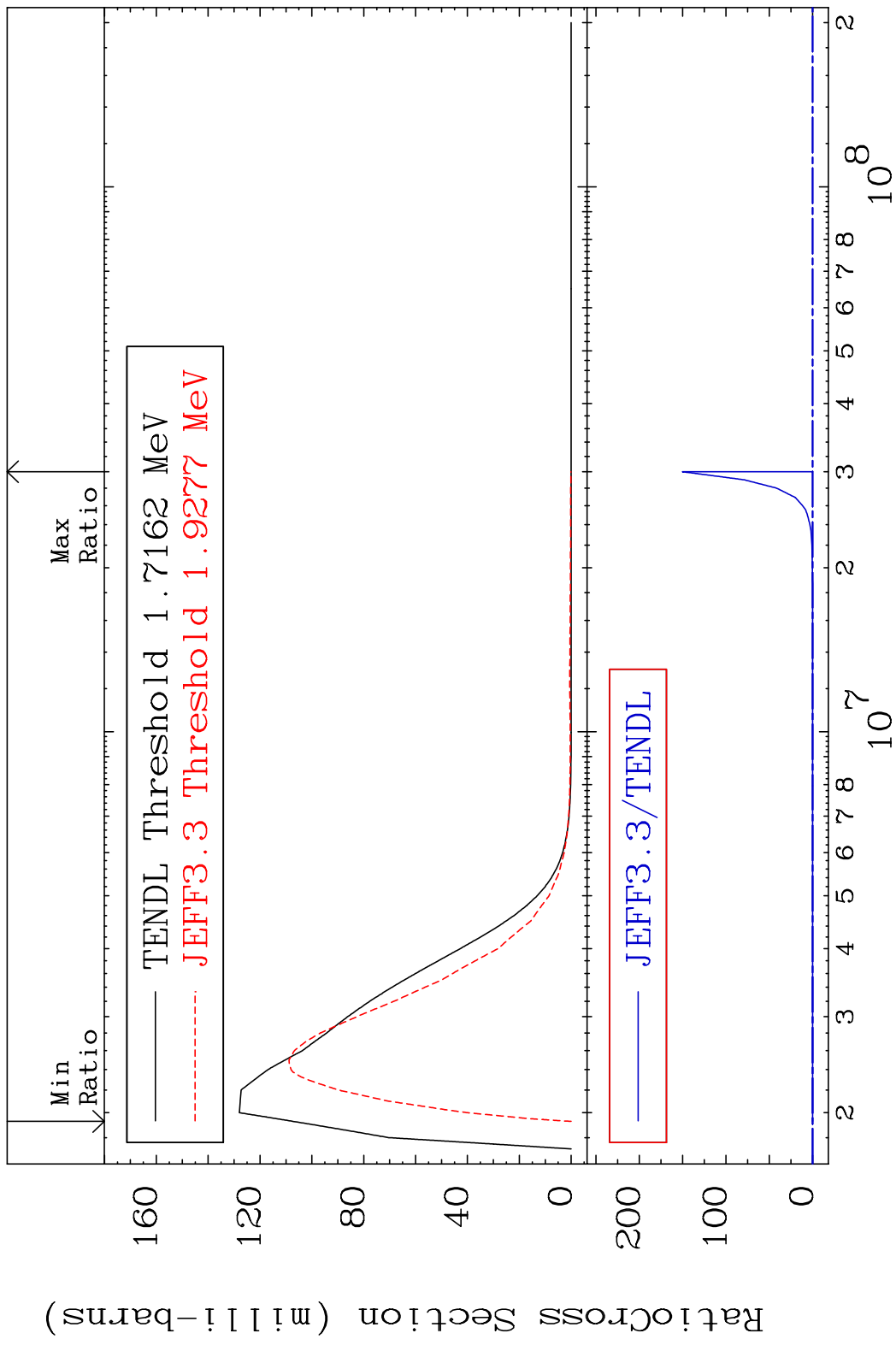
17 Incident Energy (eV) 46-Pd-106

MAT 4637 MT= 57 (n, n') Level 46-Pd-106
 Cross Section -100.0 To -40.69%



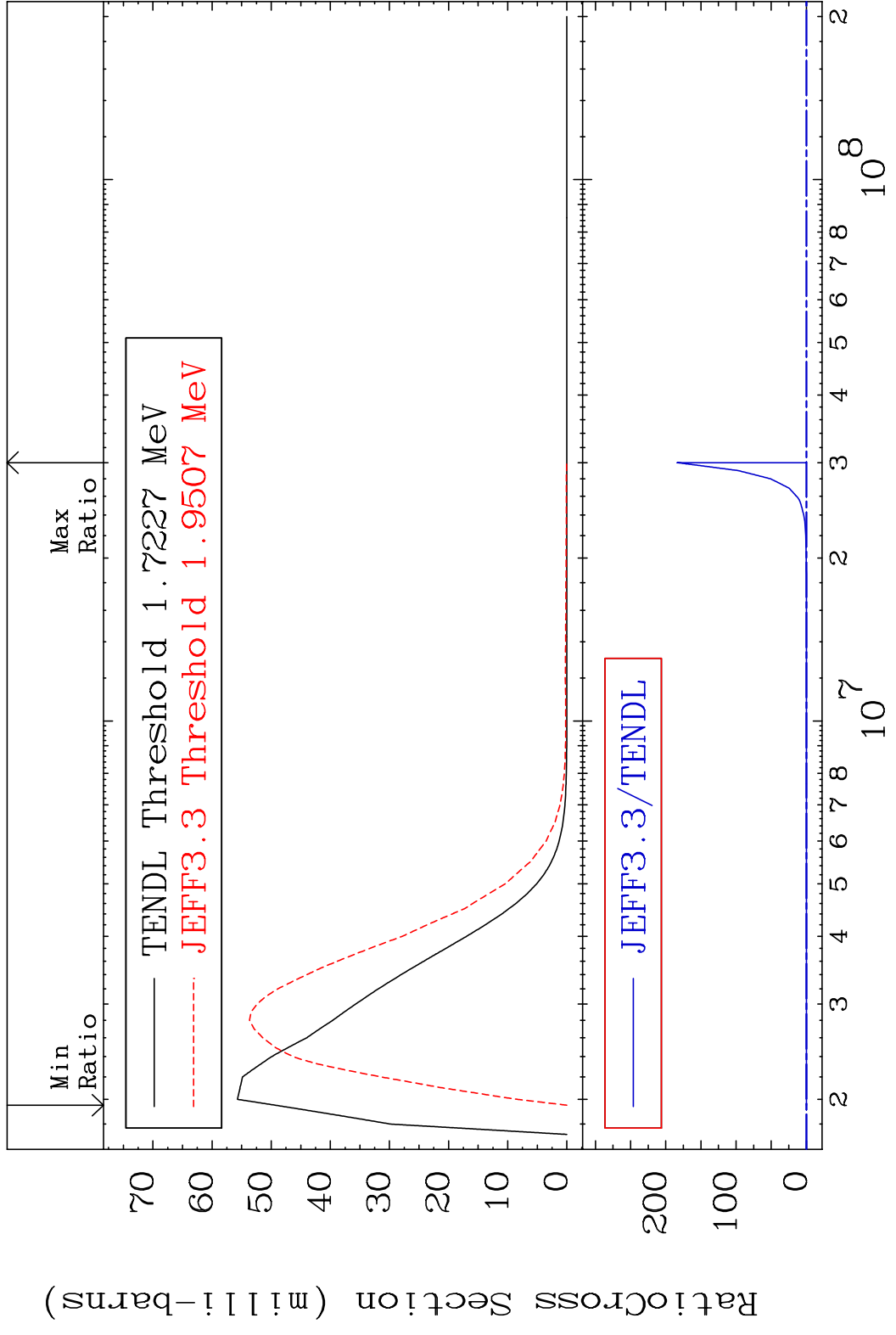
18 Incident Energy (eV) 46-Pd-106

MAT 4637 MT= 58 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 9999. %



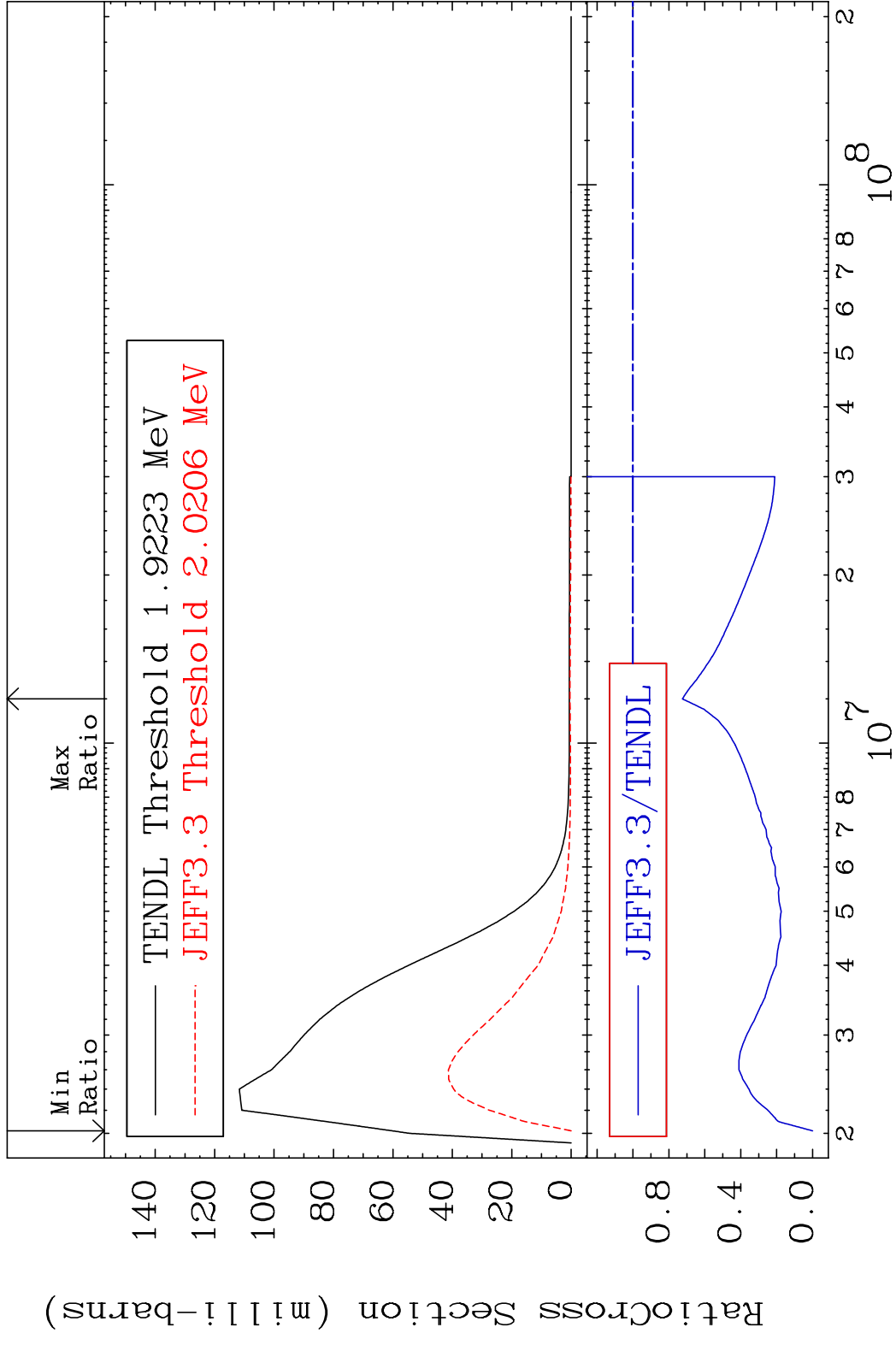
19 46-Pd-106

MAT 4637 MT= 59 (n,n') Level 46-Pd-106
 Cross Section -100.0 To 9999. %

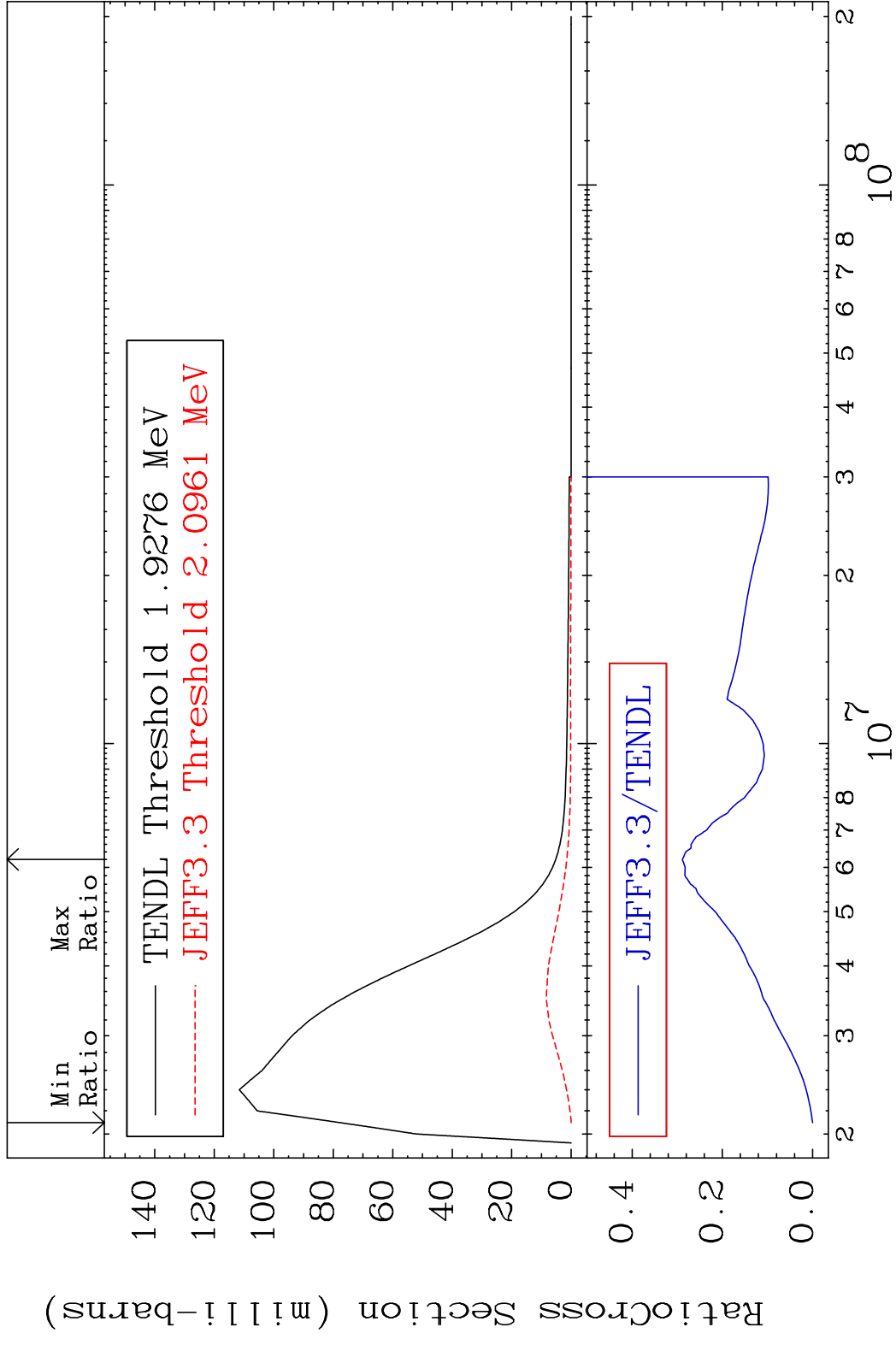


20 Incident Energy (eV) 46-Pd-106

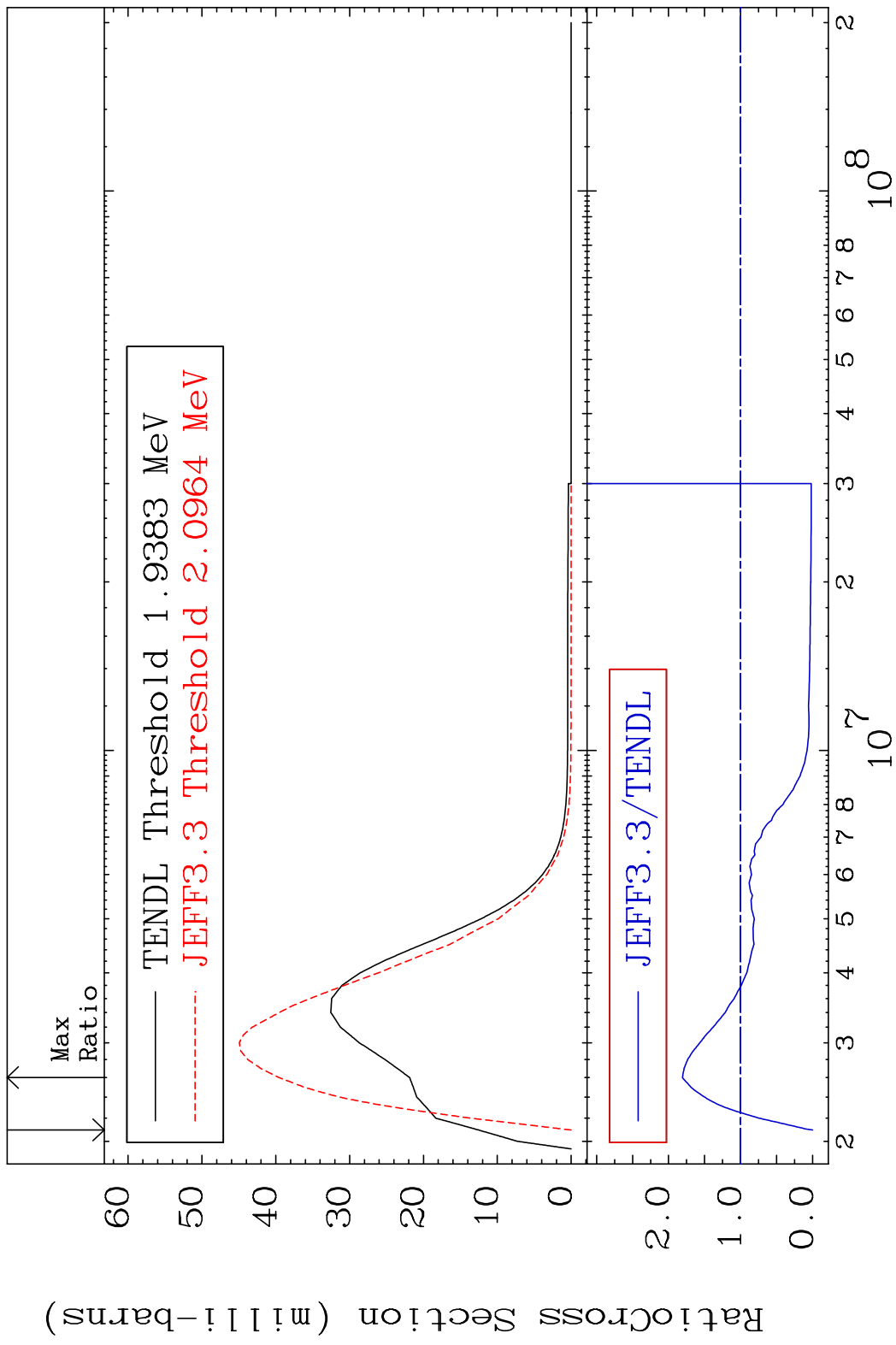
MAT 4637 MT= 60 (n, n') Level 46-Pd-106
 Cross Section -100.0 To -27.50%



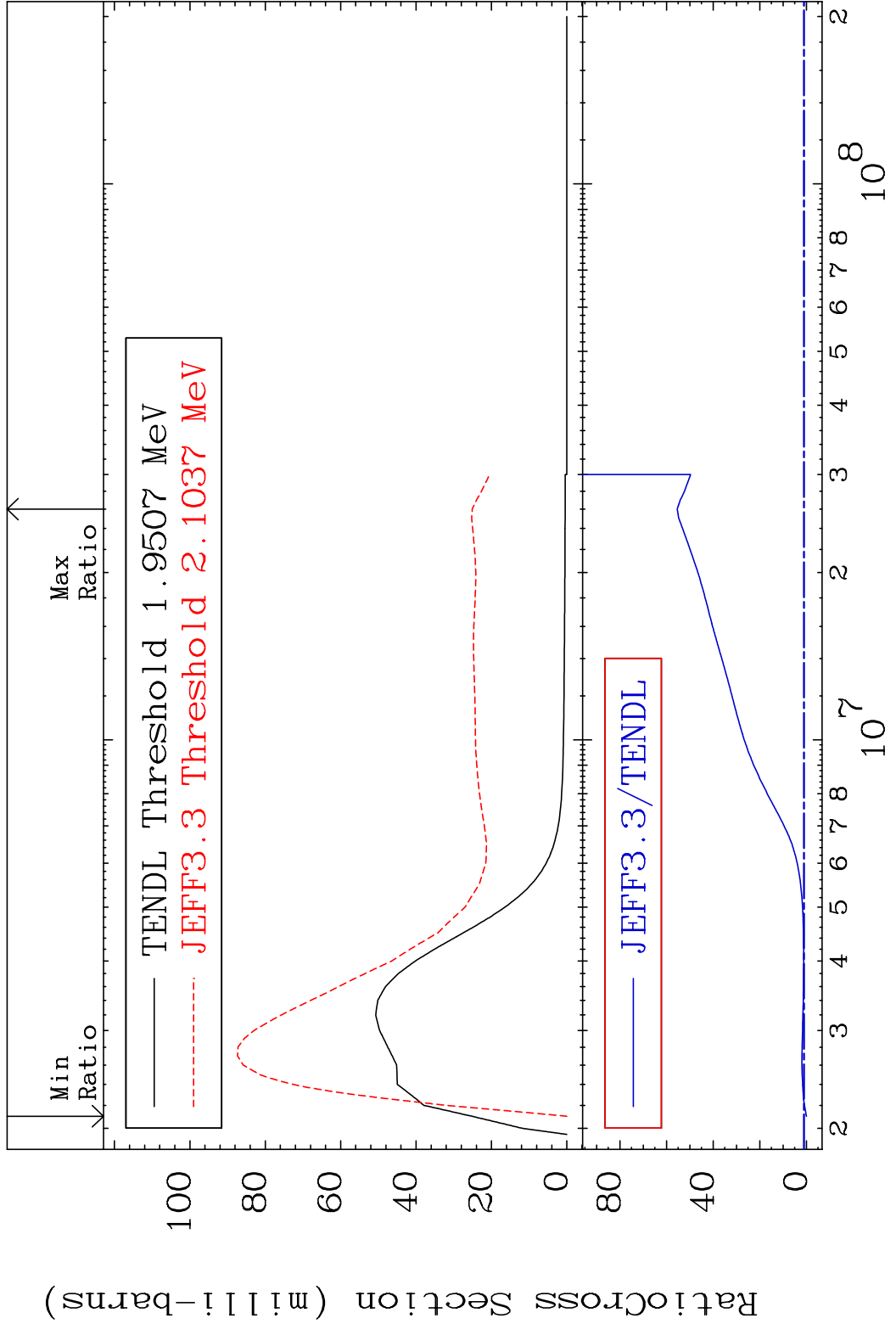
MAT 4637 MT= 61 (n, n') Level 46-Pd-106
 Cross Section -100.0 To -71.13%



MAT 4637 MT= 62 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 80.88 %

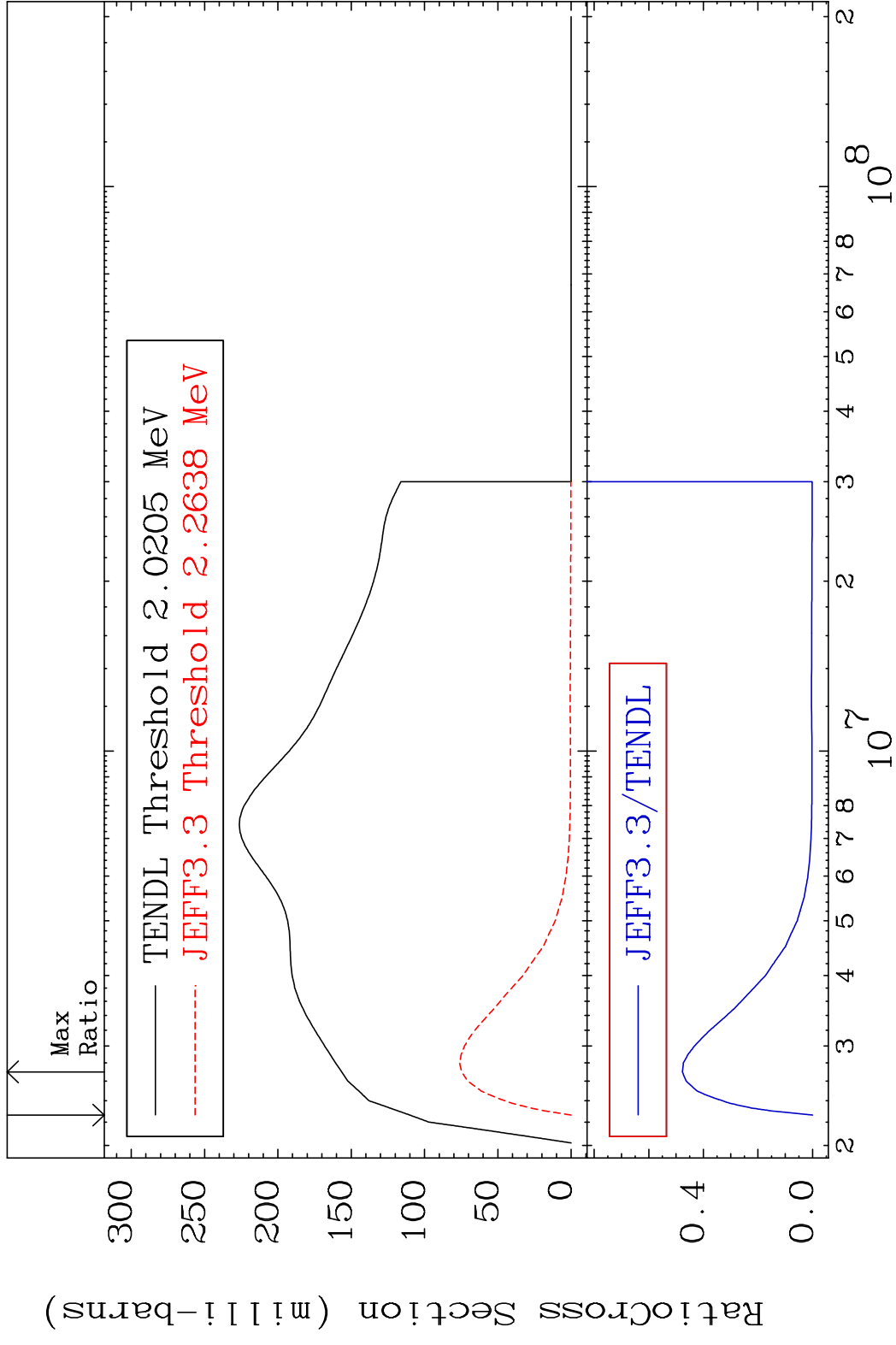


MAT 4637 MT= 63 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 5443. %

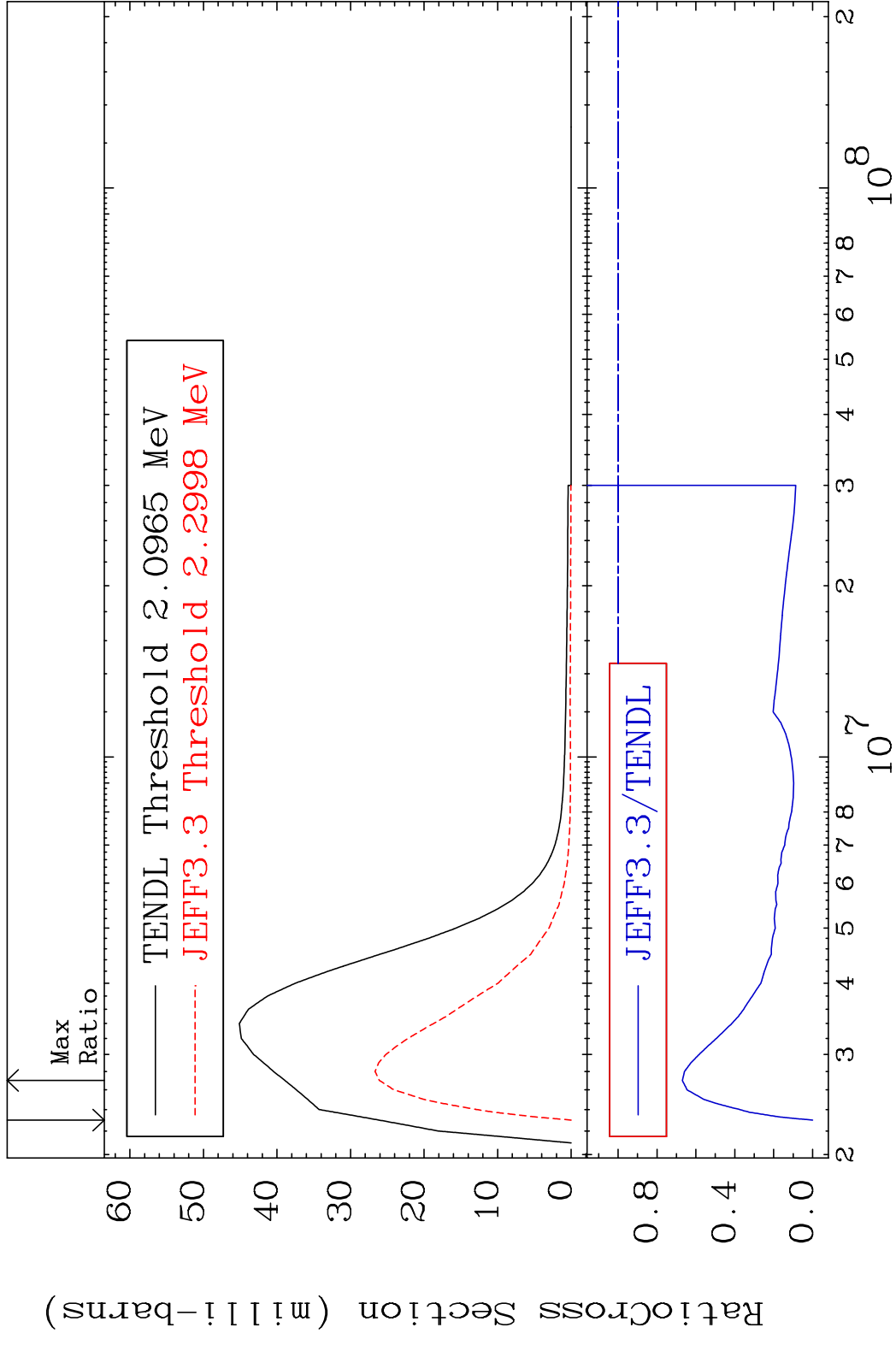


24 Incident Energy (eV) 46-Pd-106

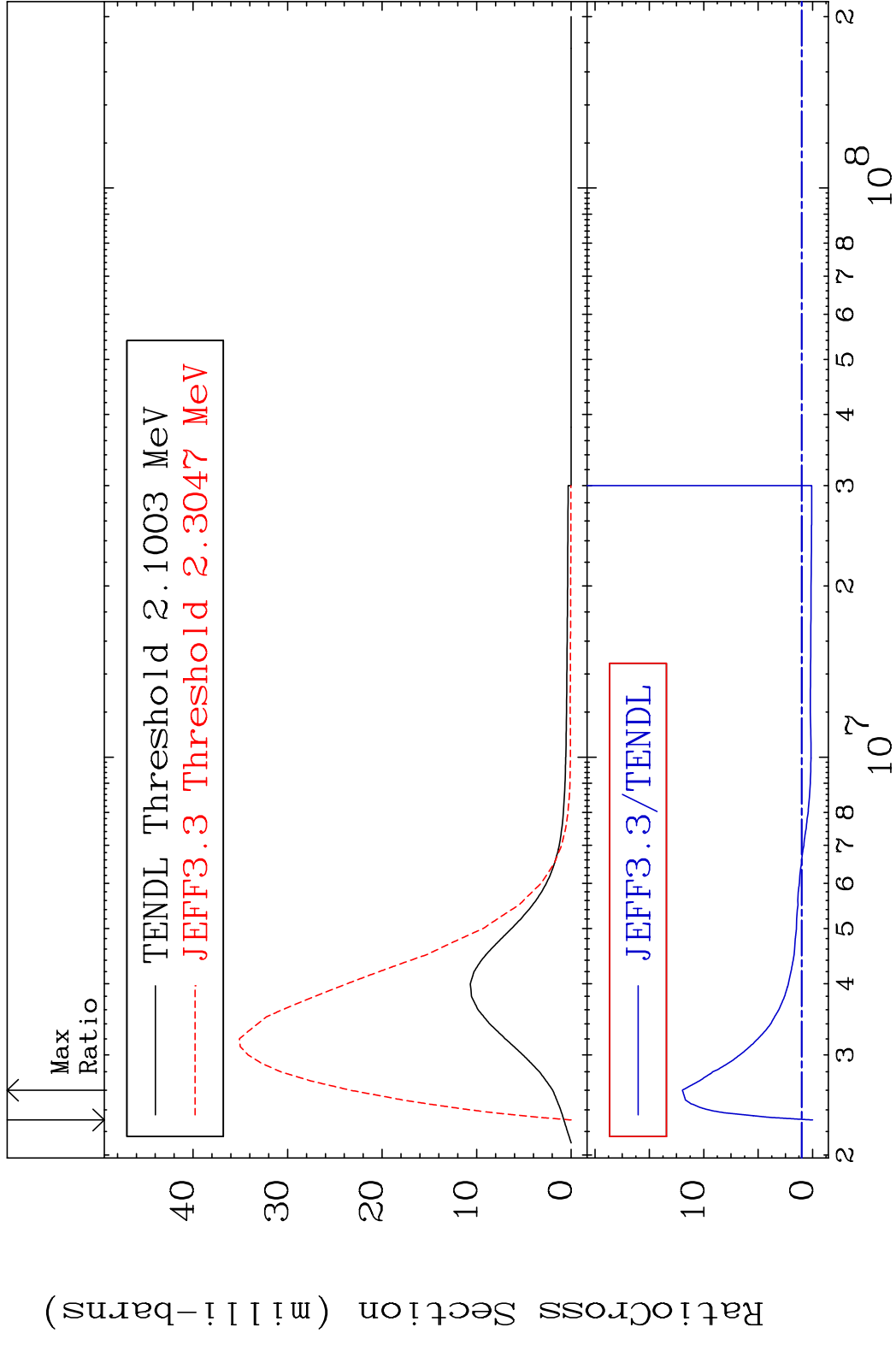
MAT 4637 MT= 64 (n, n') Level 46-Pd-106
 Cross Section -100.0 To -52.30%



MAT 4637 MT= 65 (n,n') Level 46-Pd-106
 Cross Section -100.0 To -33.03%



MAT 4637 MT= 66 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 1097. %

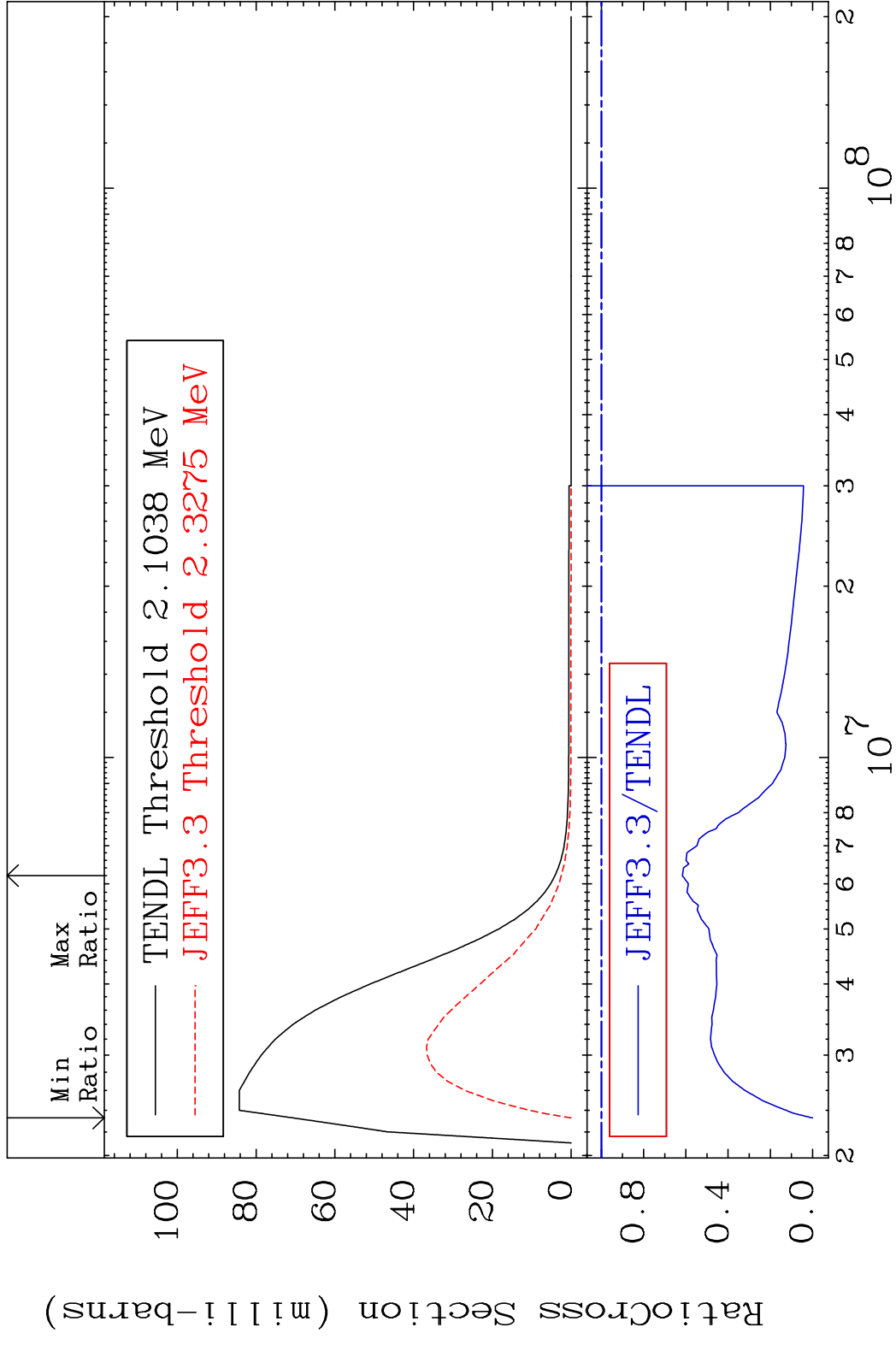


MAT 4637

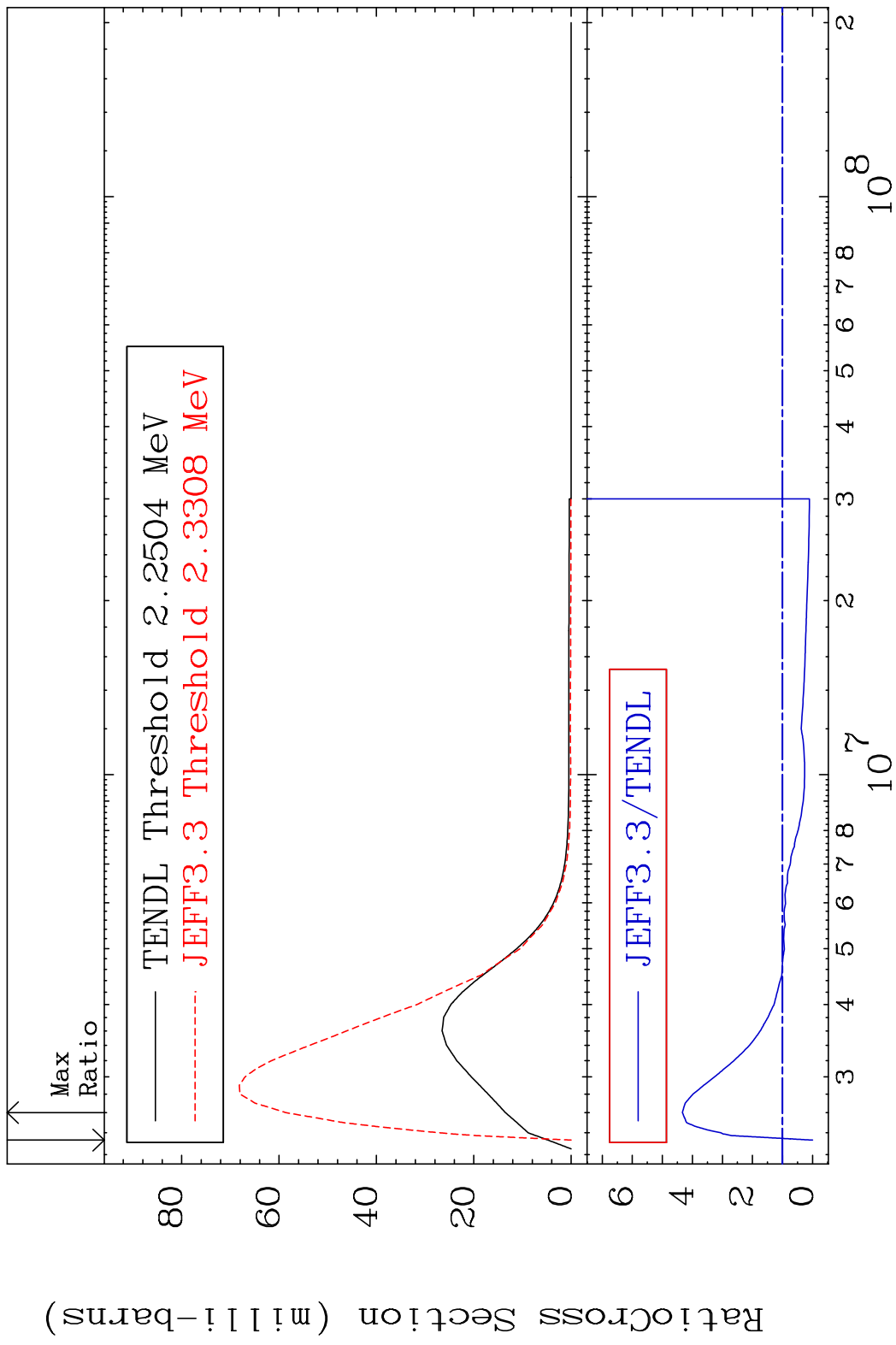
MT= 67 (n,n') Level

46-Pd-106

Cross Section -100.0 To -38.34%



MAT 4637 MT= 68 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 333.5 %

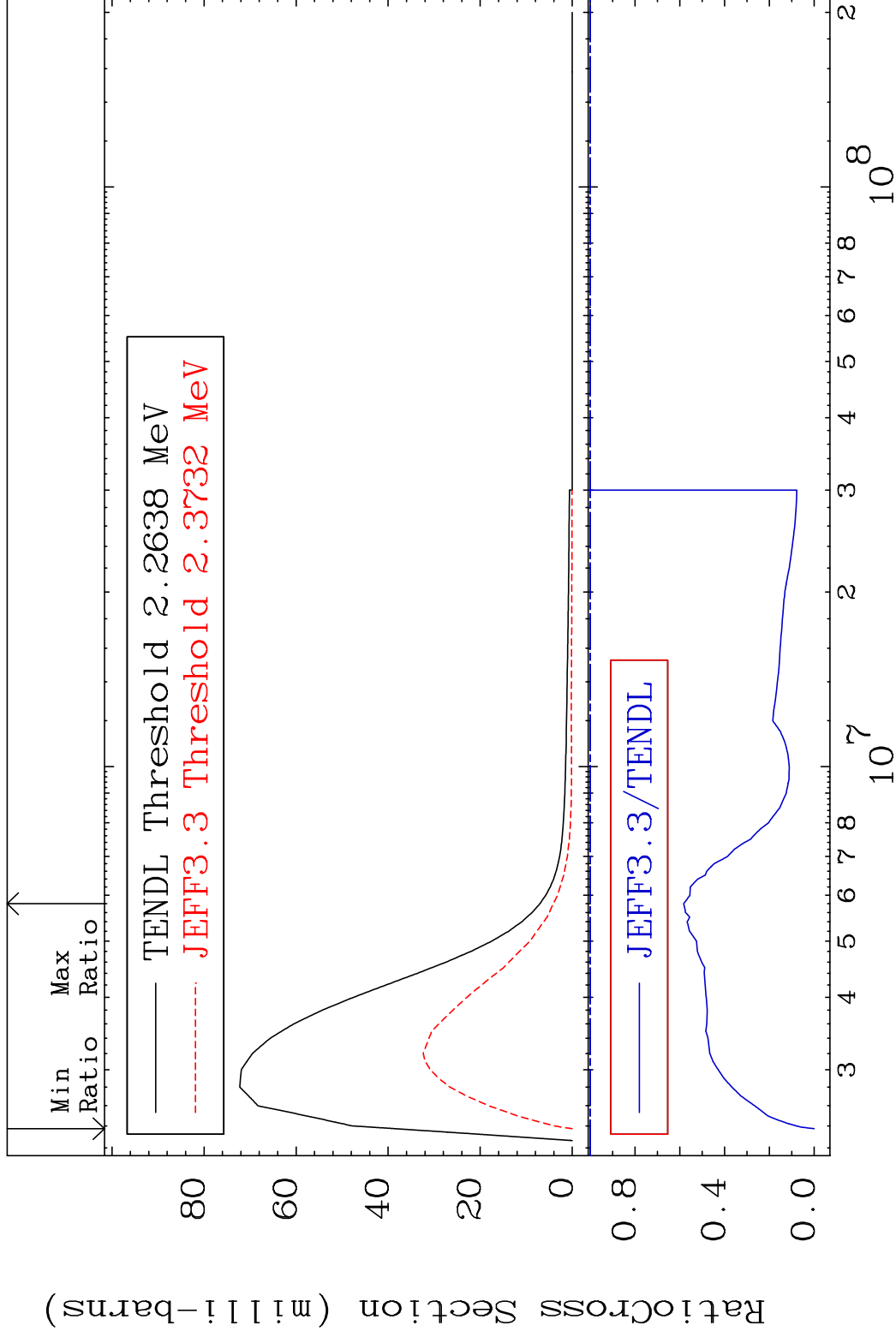


MAT 4637

MT= 69 (n,n') Level

46-Pd-106

Cross Section -100.0 To -41.72%

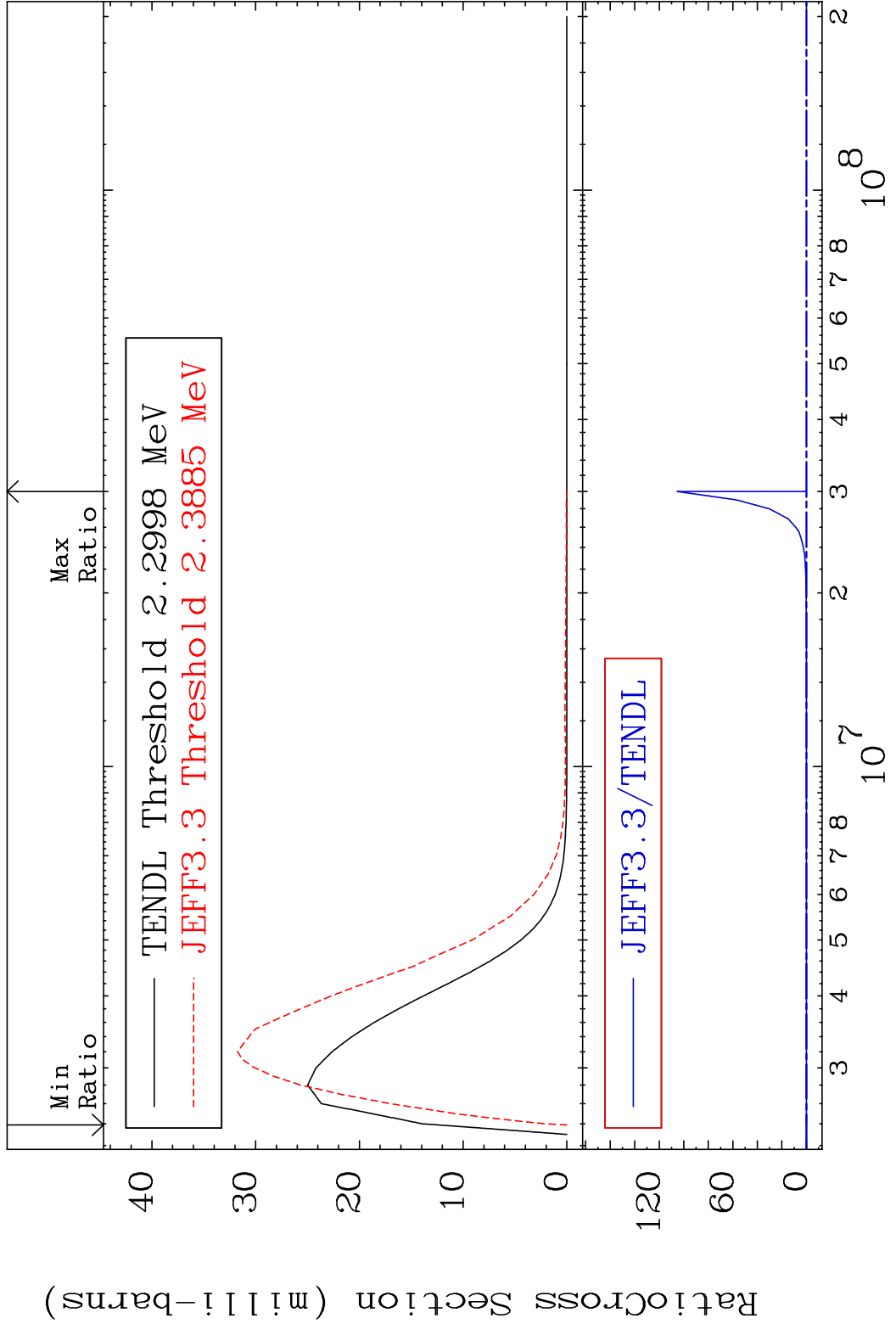


30

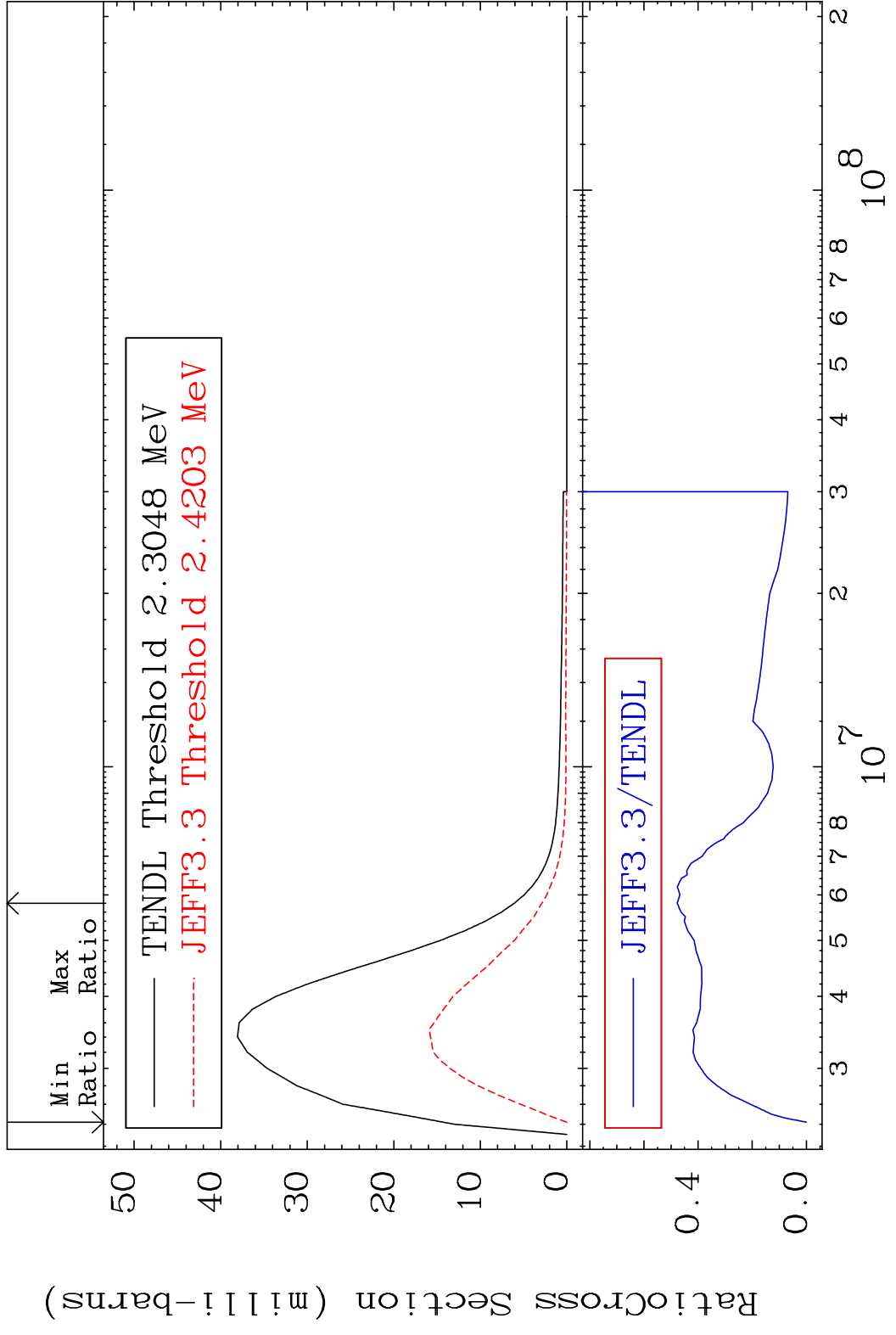
Incident Energy (eV)

46-Pd-106

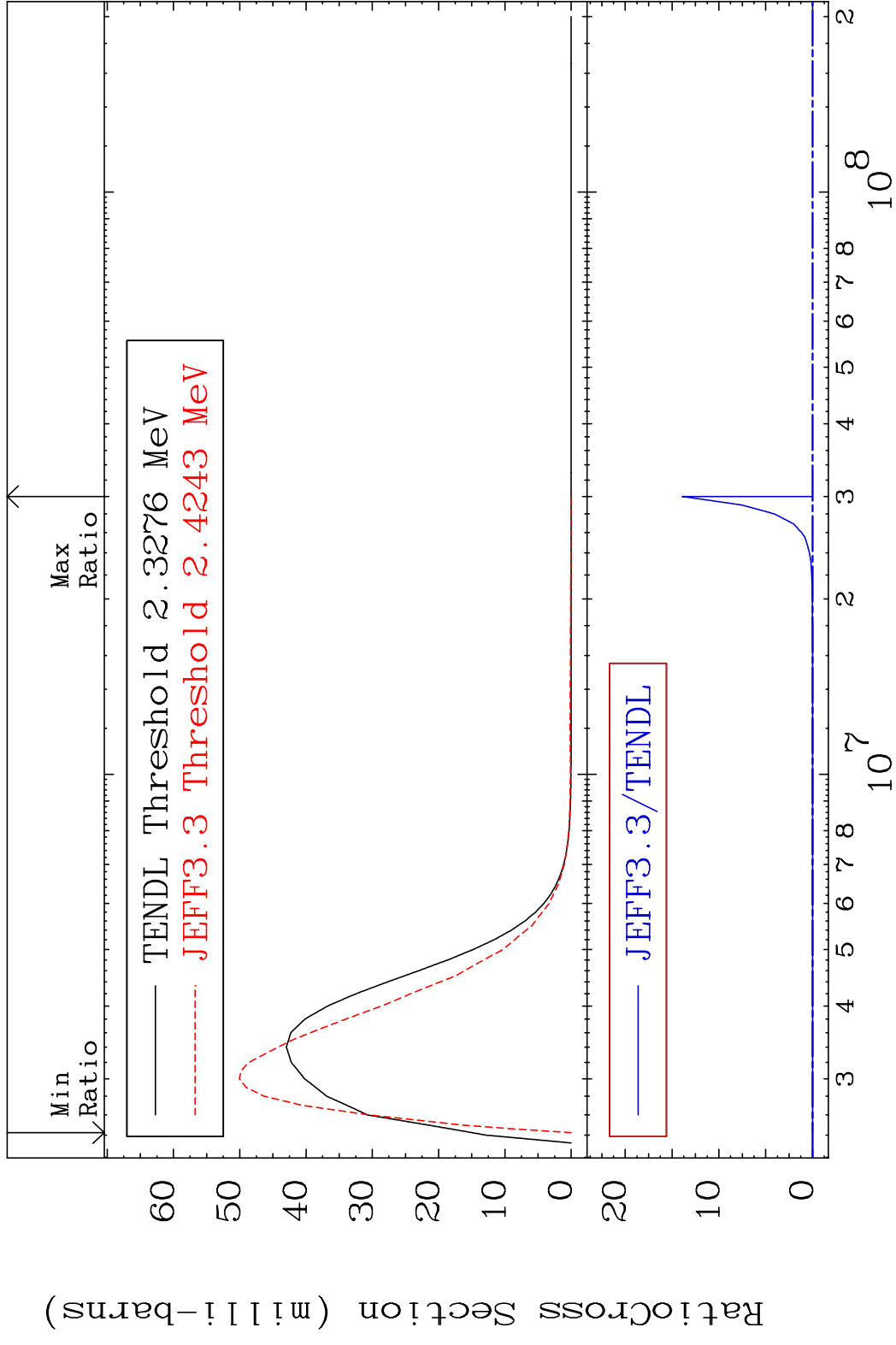
MAT 4637 MT= 70 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 9999. %



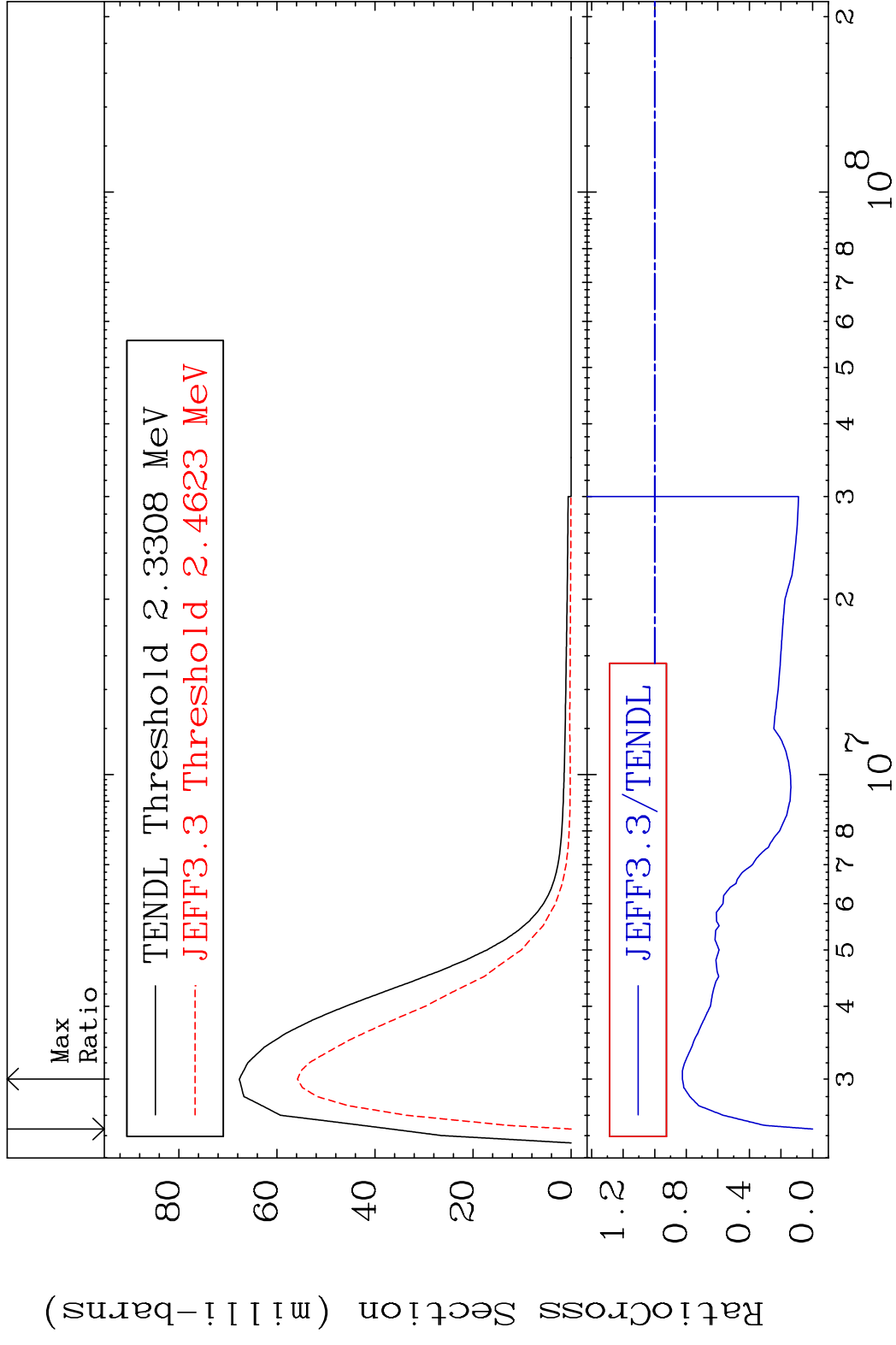
MAT 4637 MT= 71 (n,n') Level 46-Pd-106
 Cross Section -100.0 To -52.28%



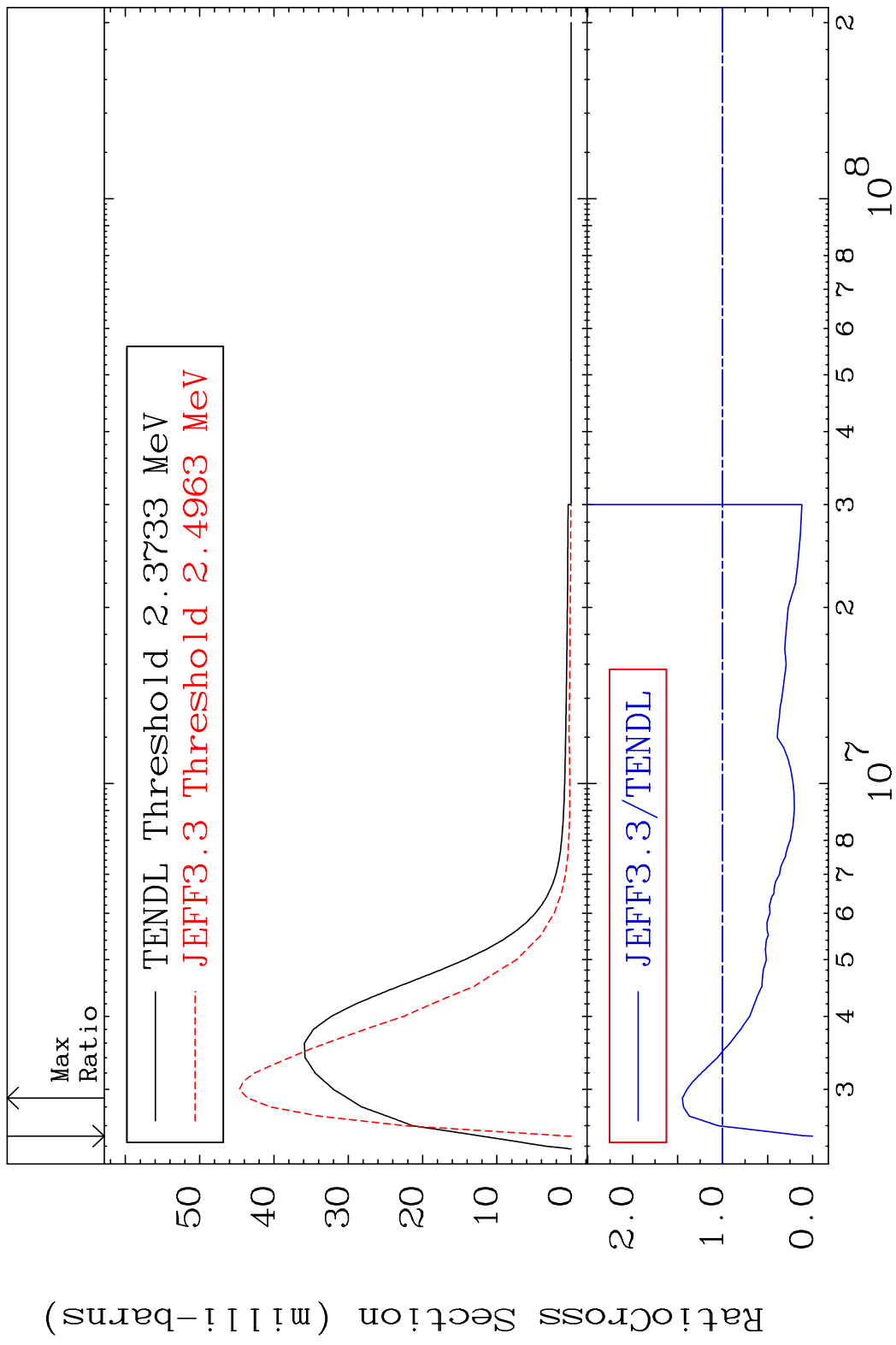
MAT 4637 MT= 72 (n, n') Level 46-Pd-106
 Cross Section -100.0 To 9999. %



MAT 4637 MT= 73 (n, n') Level 46-Pd-106
 Cross Section -100.0 To -17.53%



MAT 4637 MT= 74 (n,n') Level 46-Pd-106
 Cross Section -100.0 To 44.72 %



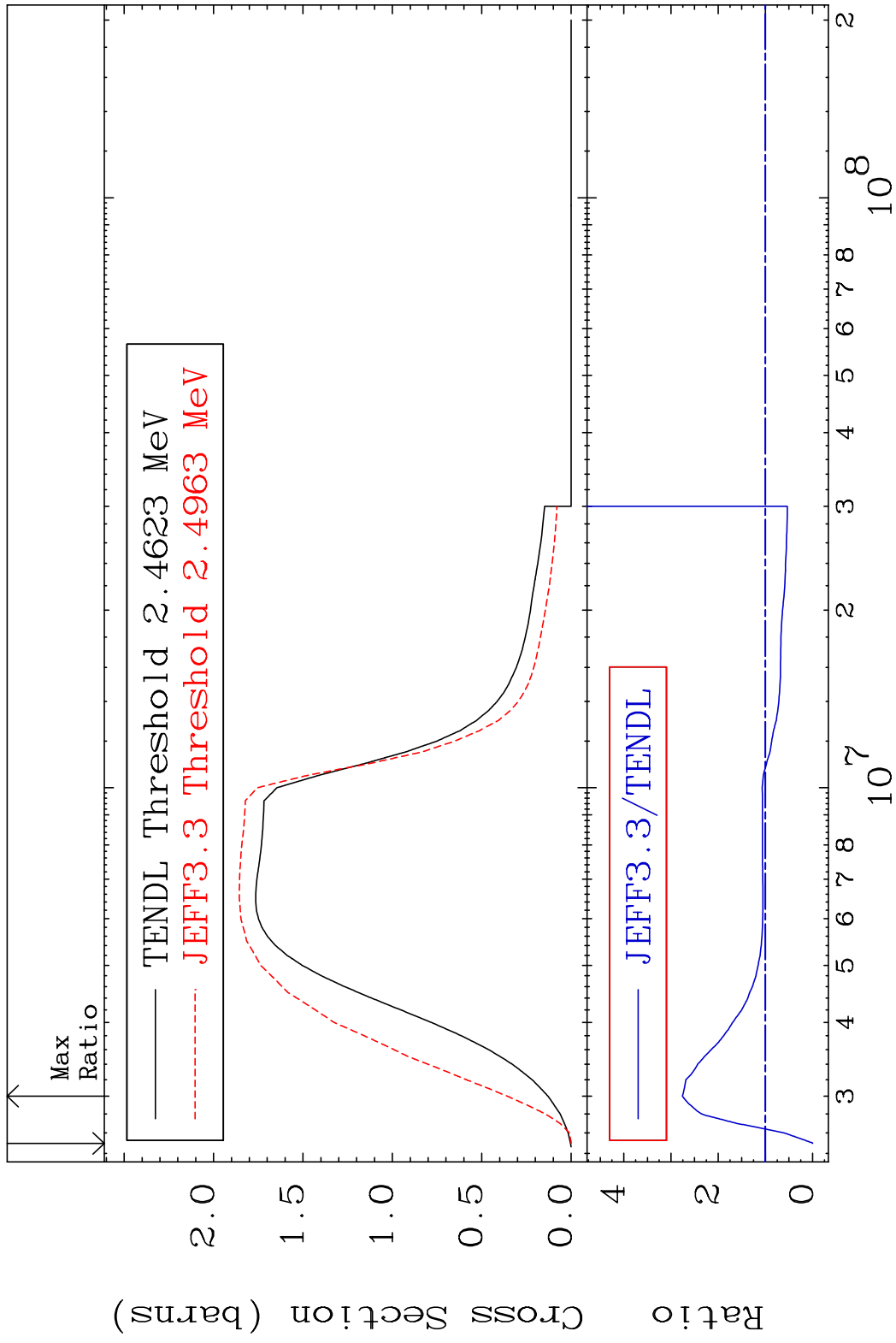
35 Incident Energy (eV) 46-Pd-106

MAT 4637

(n, n') Continuum

46-Pd-106

Cross Section -100.0 To 175.9 %



36

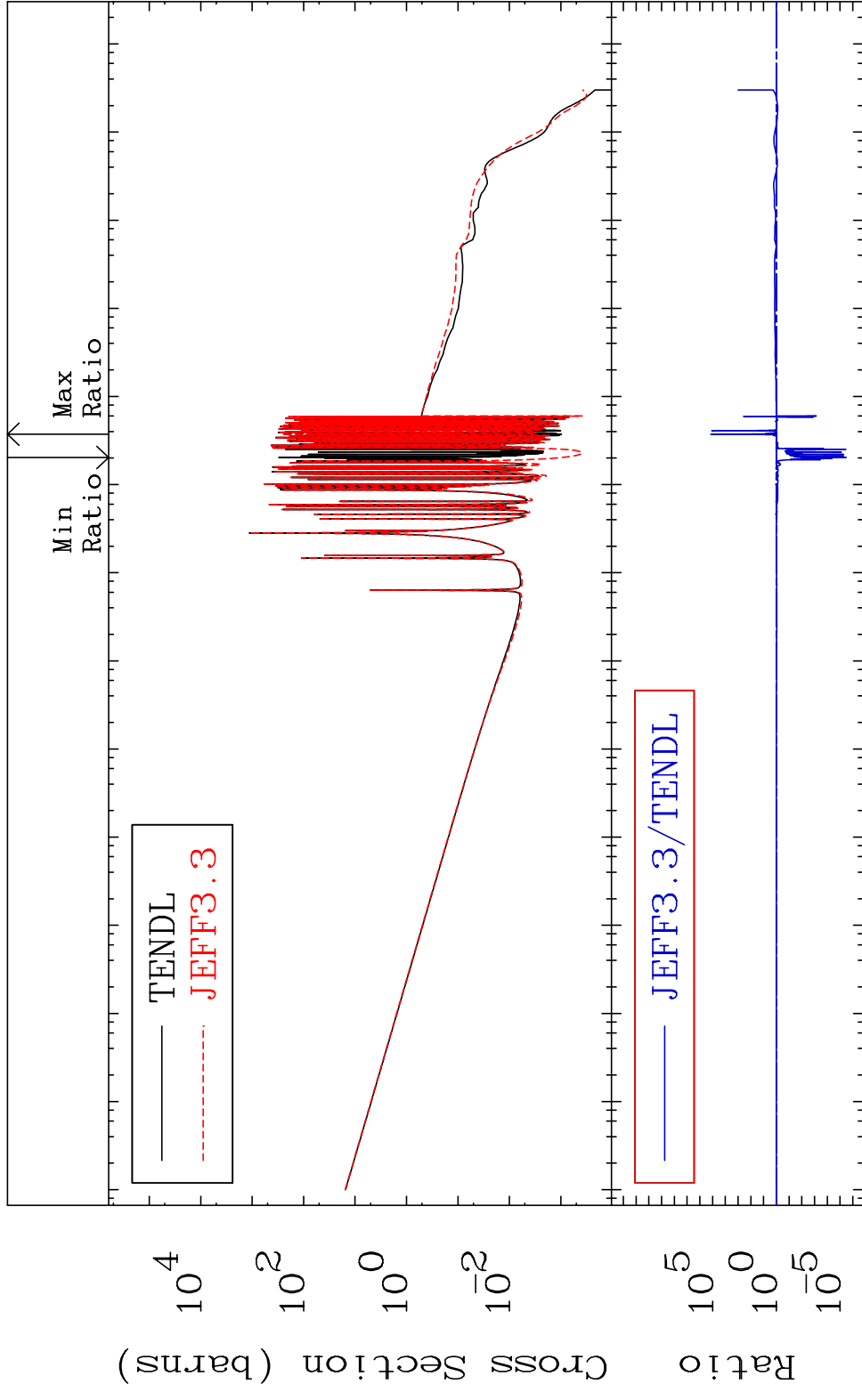
Incident Energy (eV)

46-Pd-106

MAT 4637

(n, γ)
Cross Section -100.0 To 9999. %

46-Pd-106



37

Incident Energy (eV)

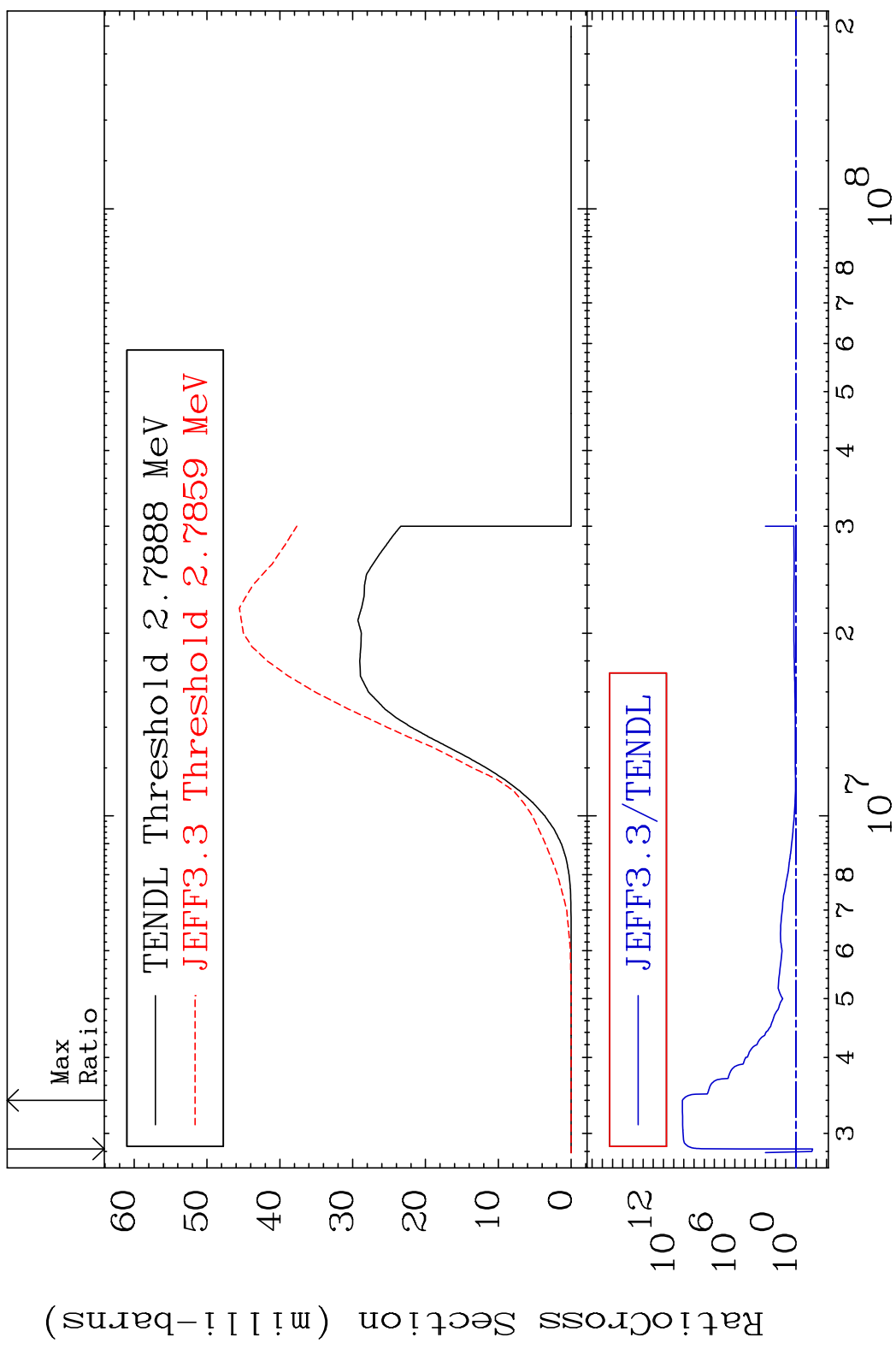
46-Pd-106

MAT 4637

(n,p)

46-Pd-106

Cross Section -97.67 To 9999. %

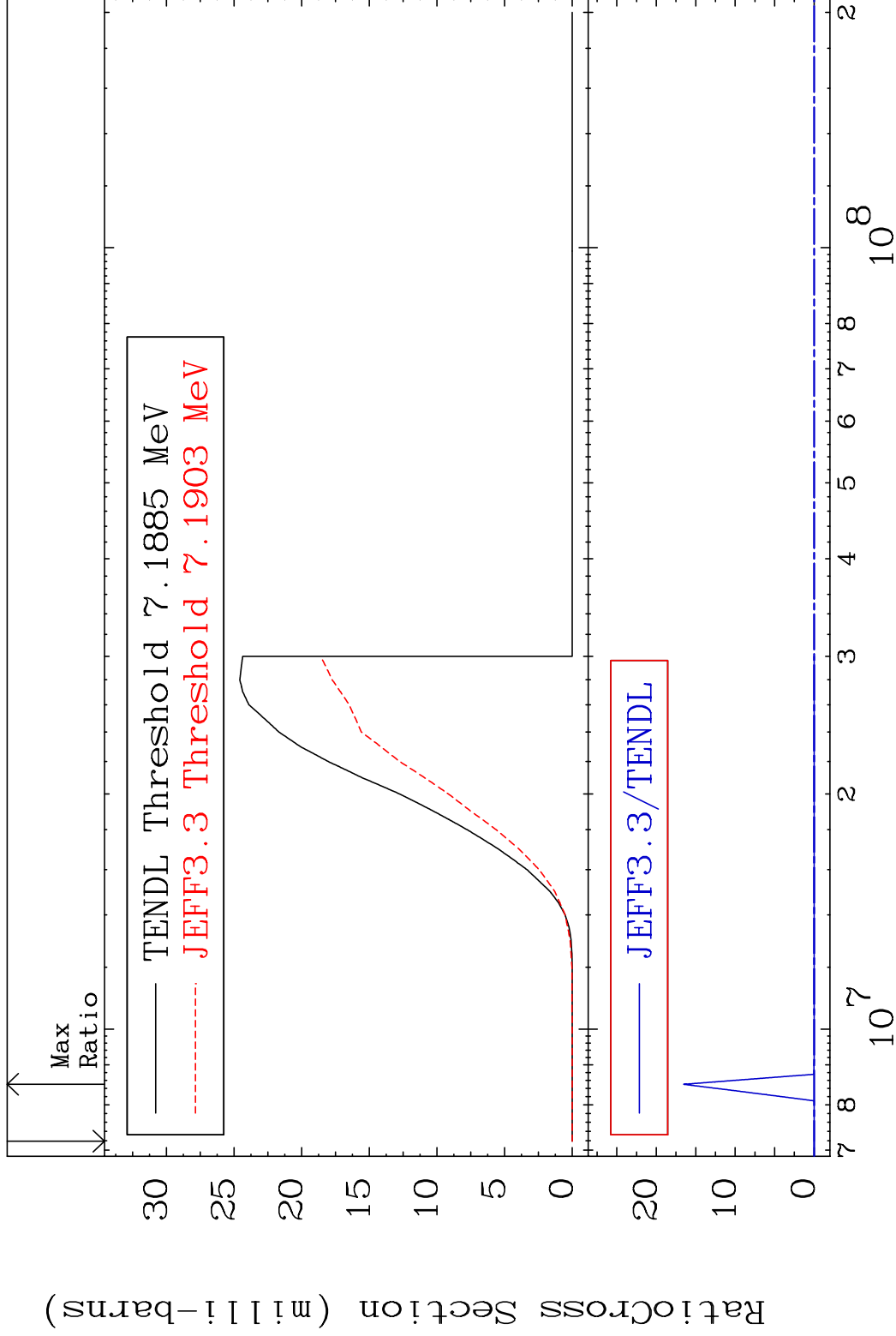


MAT 4637

(n,d)

46-Pd-106

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

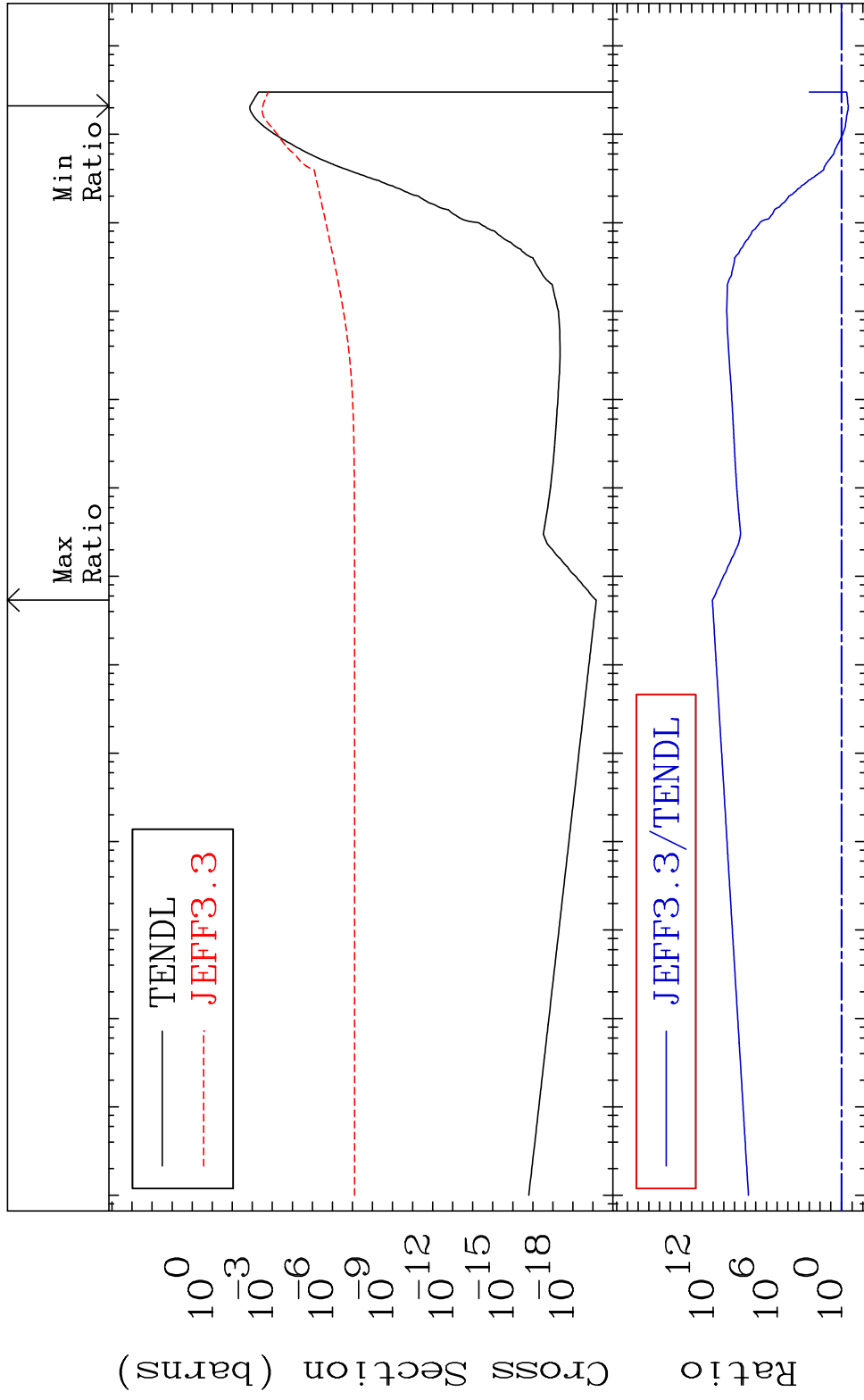
46-Pd-106

MAT 4637

(n, α)

46-Pd-106

Cross Section -76.95 To 9999. %



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

40

Incident Energy (eV)

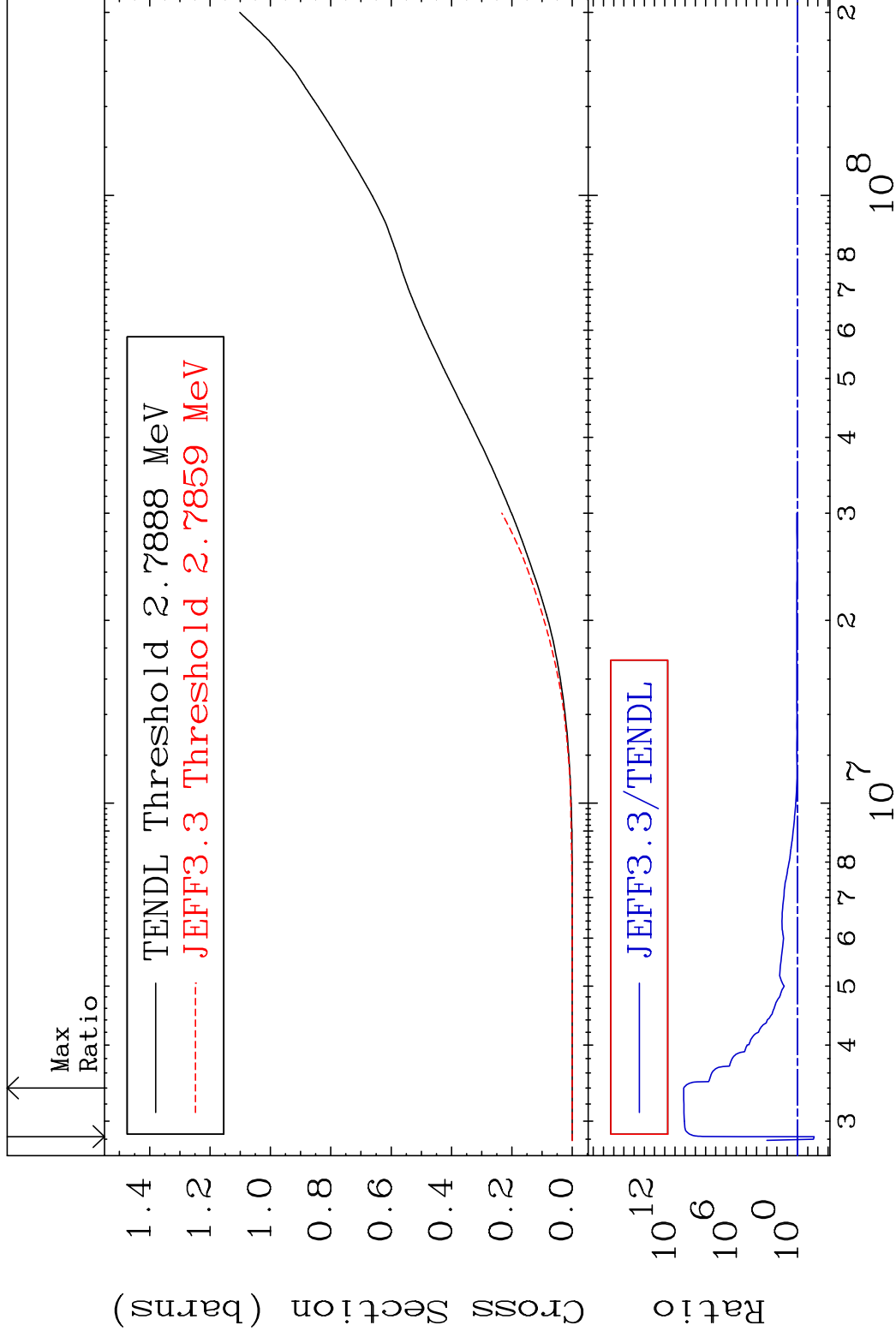
46-Pd-106

MAT 4637

Hydrogen Production

46-Pd-106

Cross Section -97.67 To 9999. %



41

Incident Energy (eV)

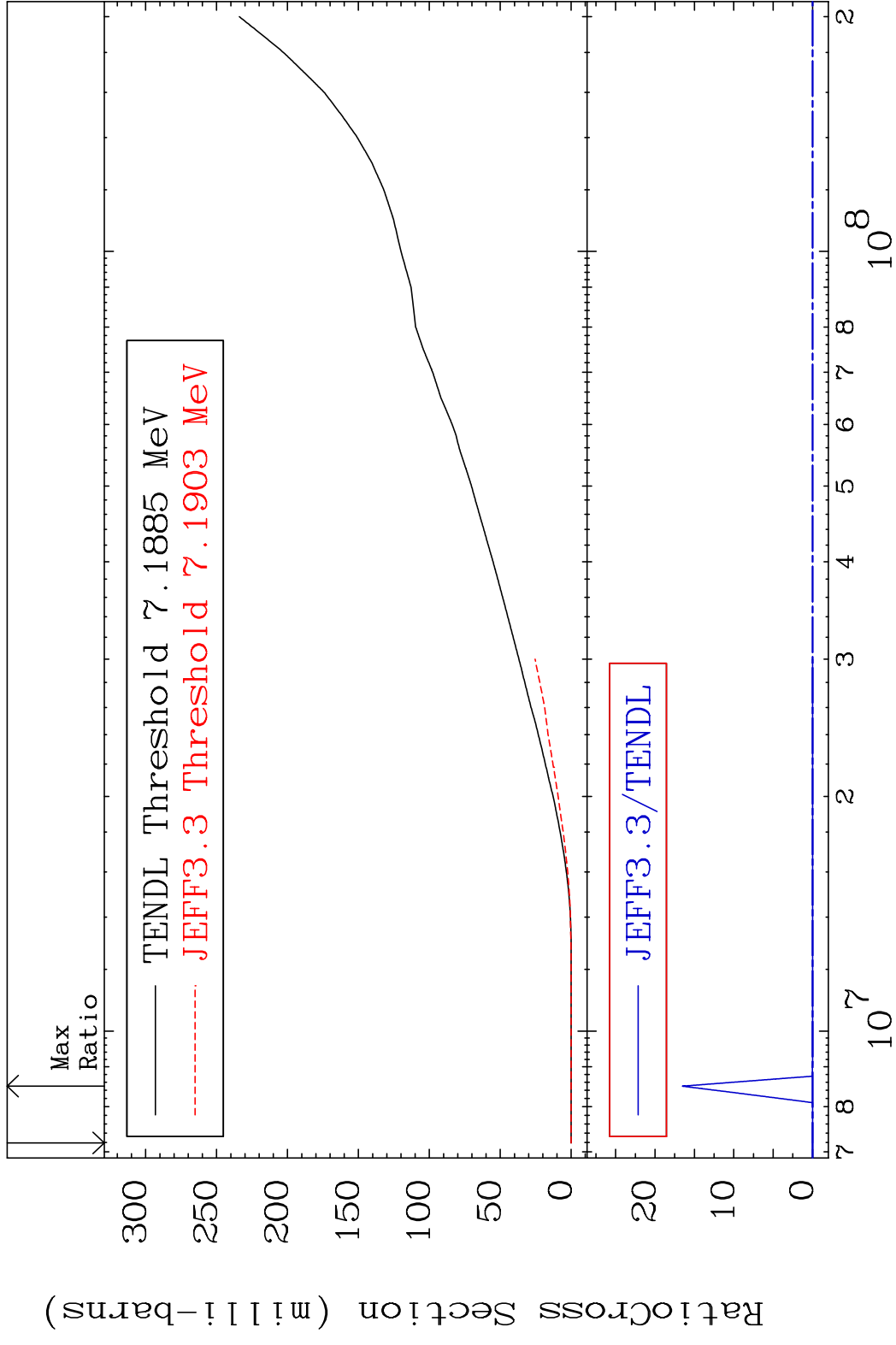
46-Pd-106

MAT 4637

Deuterium Production

46-Pd-106

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

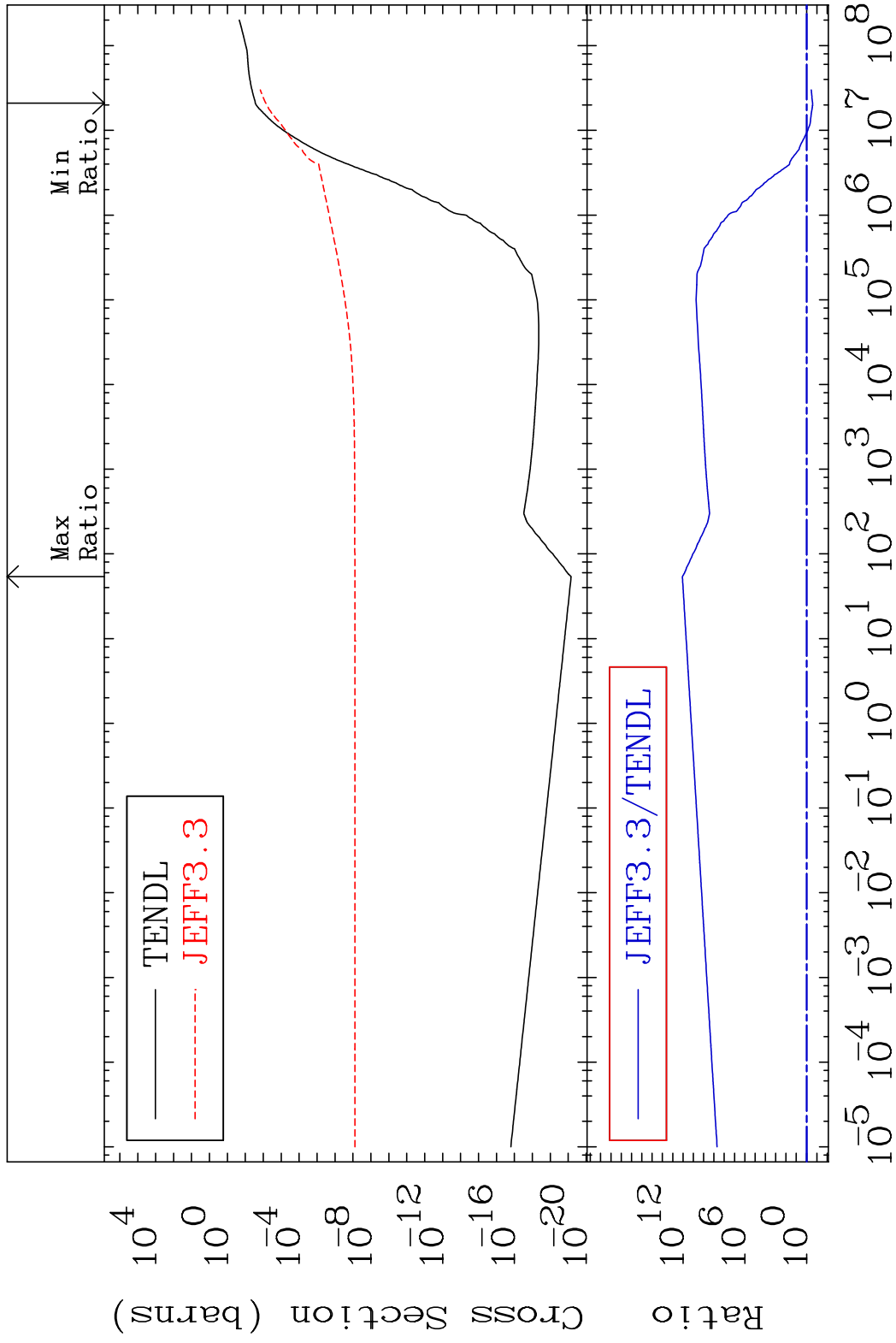
46-Pd-106

MAT 4637

He-4 Production

46-Pd-106

Cross Section -73.61 To 9999. %

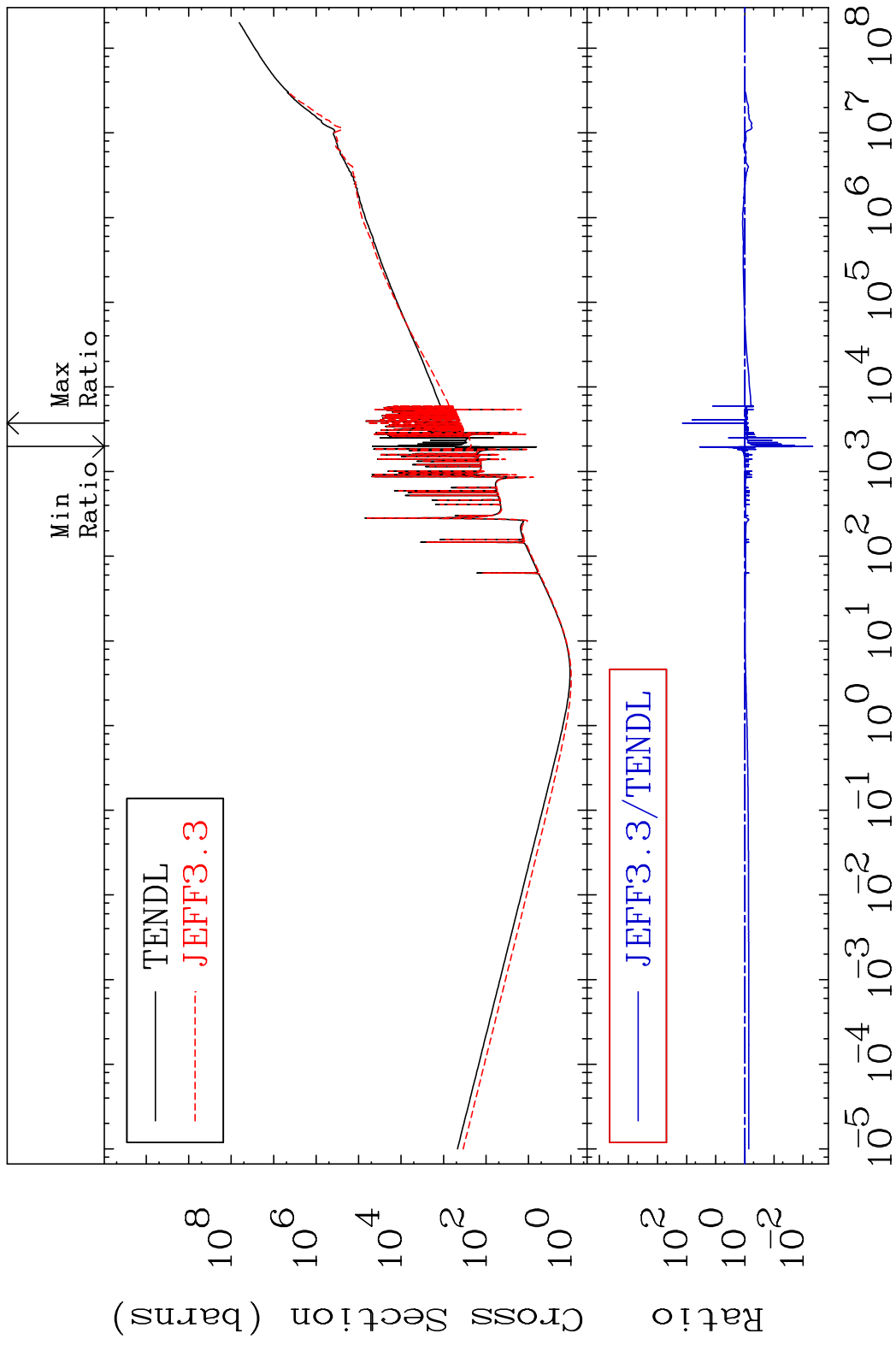


43

Incident Energy (eV)

46-Pd-106

MAT 4637 Kerma total (eV-barns) 46-Pd-106
 Cross Section -99.53 To 9999. %

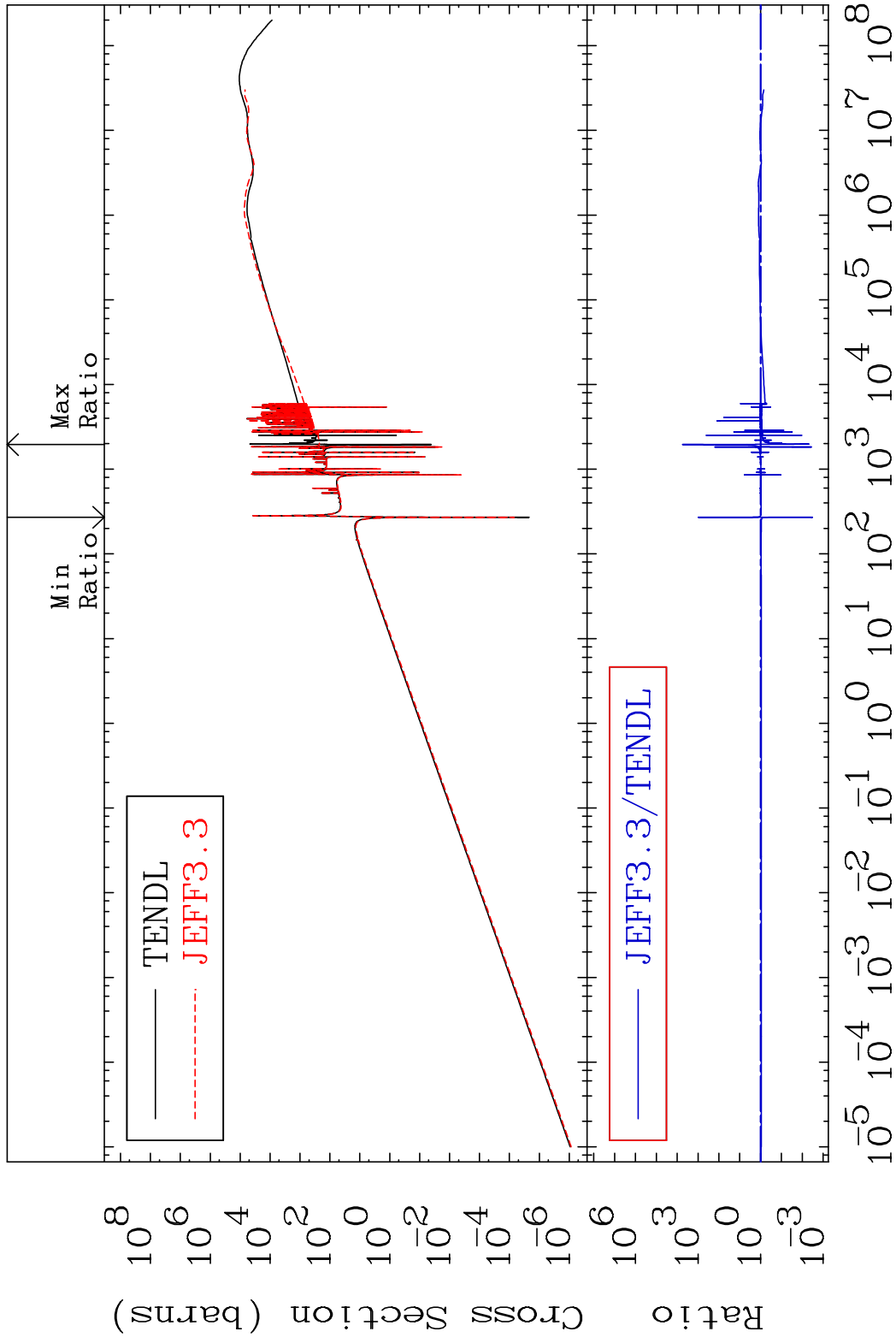


MAT 4637

Kerma elastic

46-Pd-106

Cross Section -99.68 To 9999. %

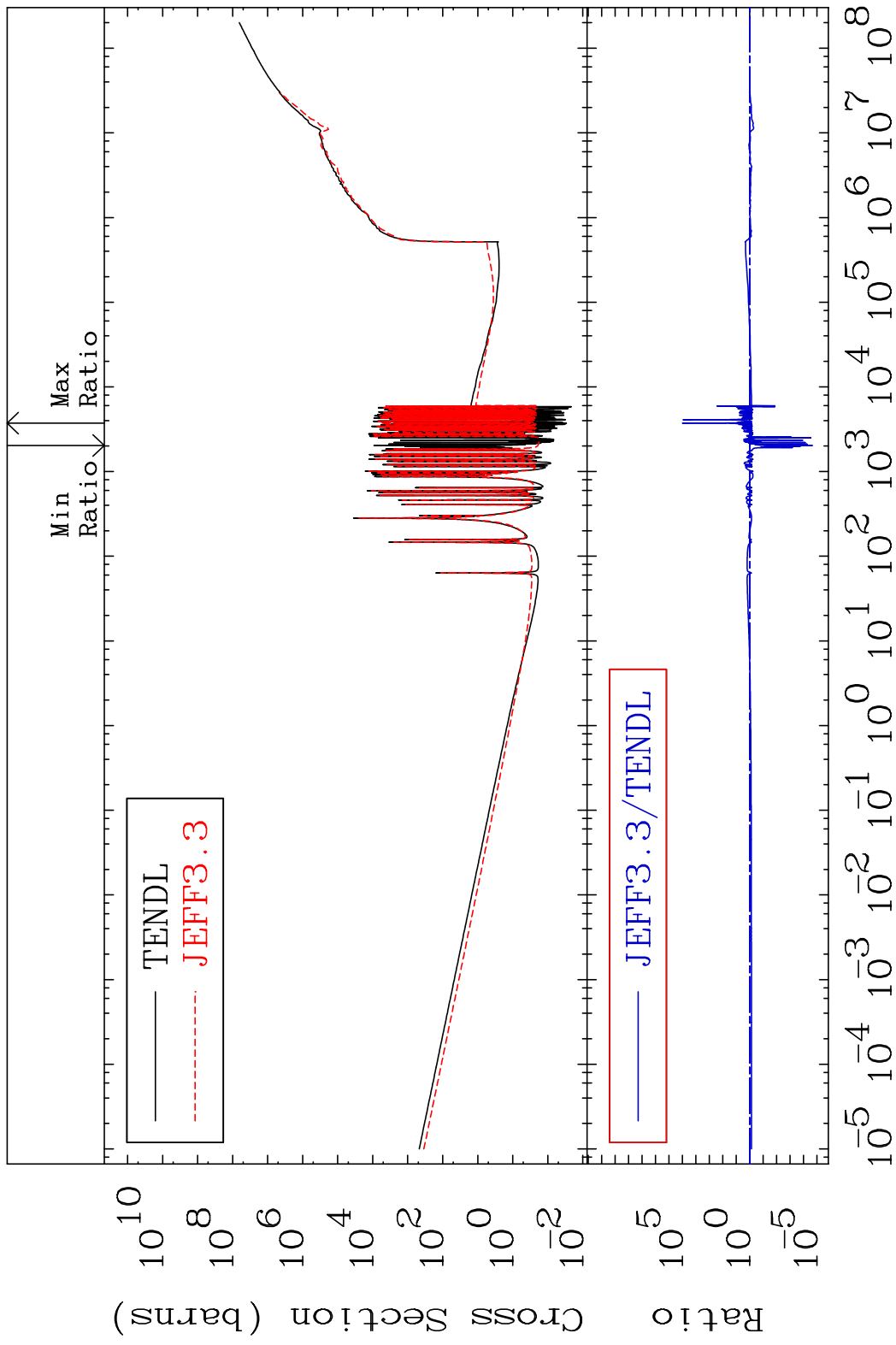


45

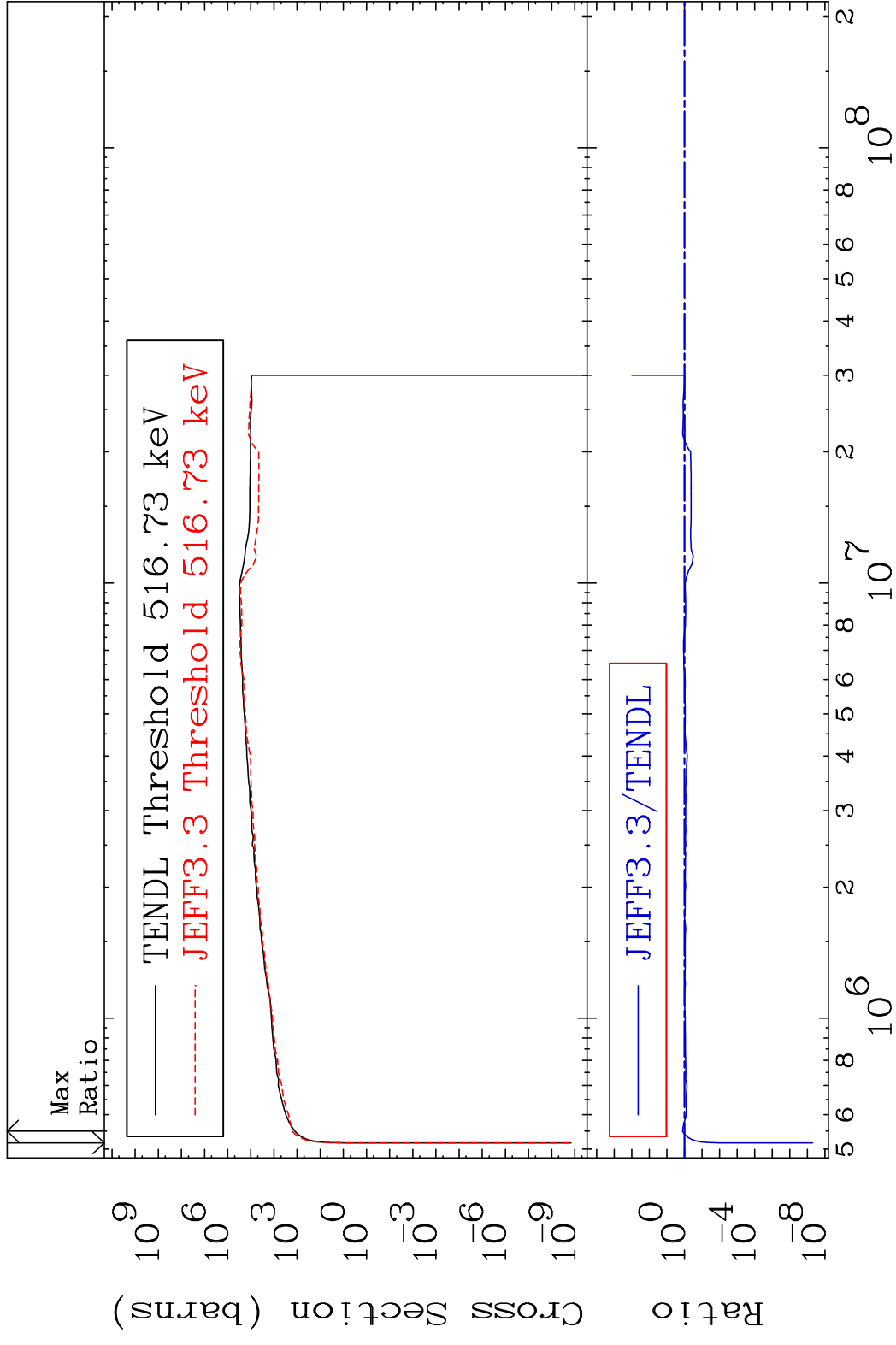
Incident Energy (eV)

46-Pd-106

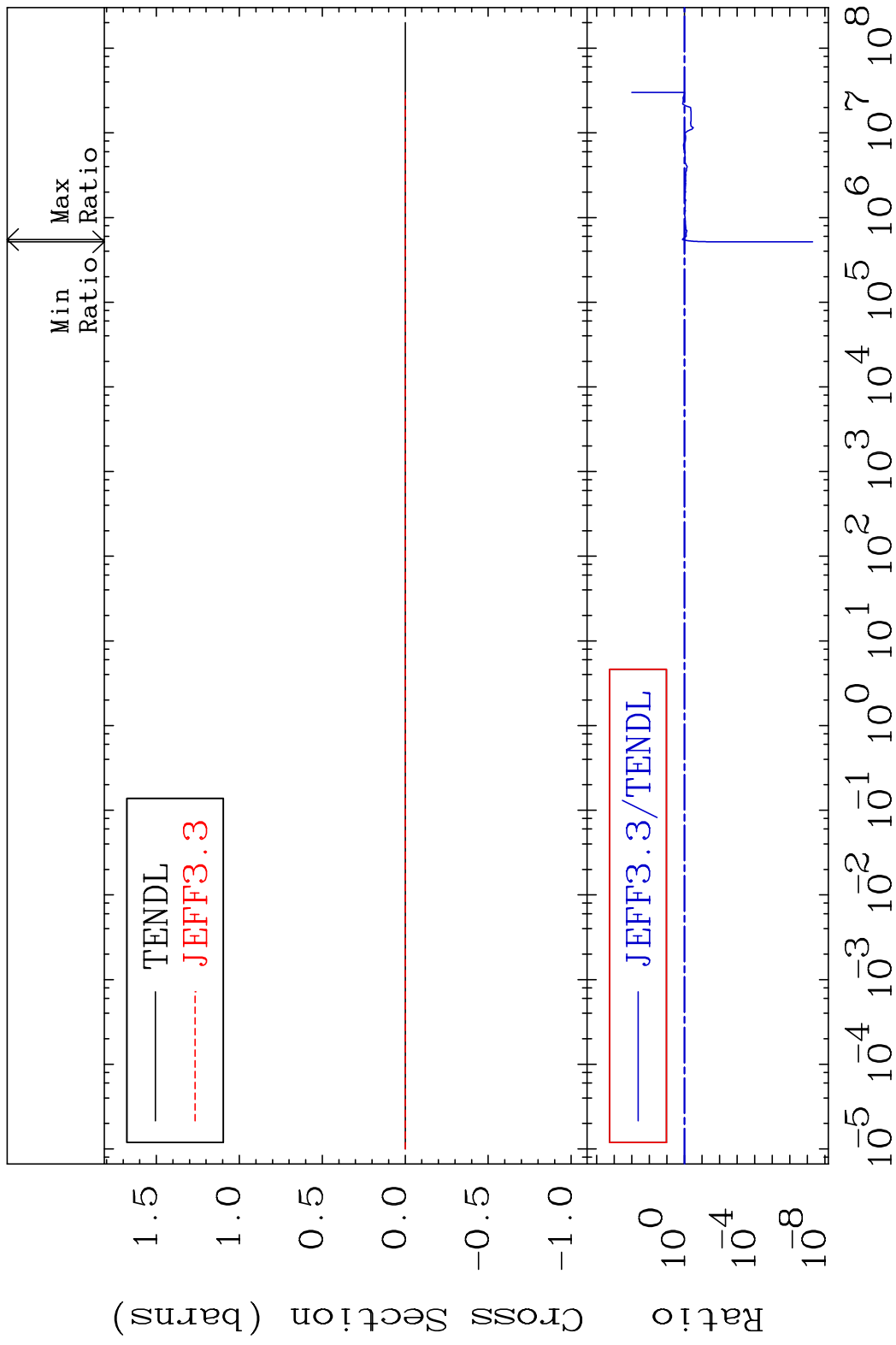
MAT 4637 Kerma non-elastic (all but mt2) 46-Pd-106
 Cross Section -100.0 To 9999. %



MAT 4637 Kerma inelastic (mt51-91) 46-Pd-106
 Cross Section -100.0 To 29.97 %

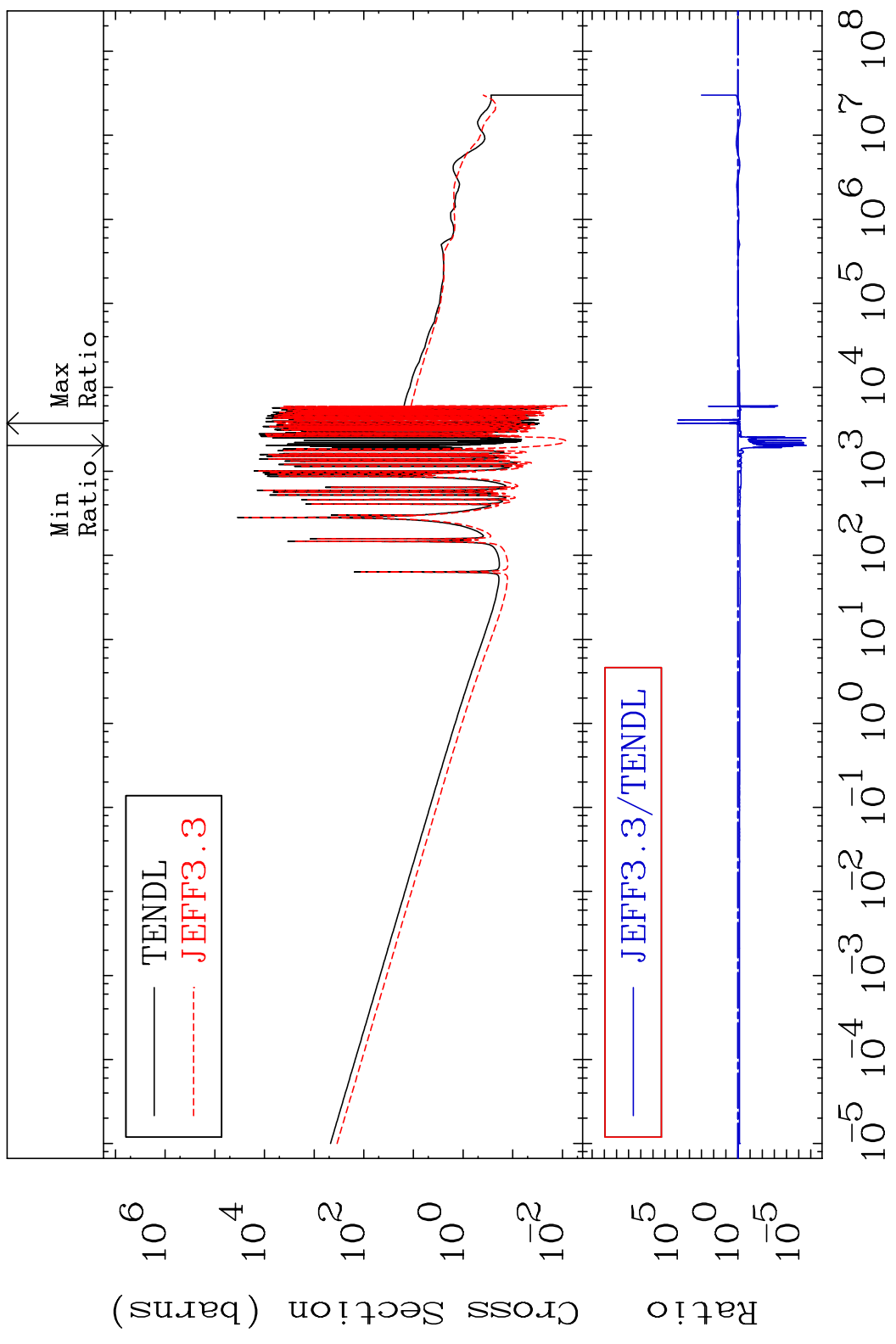


MAT 4637 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-106
 Cross Section -100.0 To 29.97 %



MAT 4637

Kerma capture (mt102) 46-Pd-106
Cross Section -100.0 To 9999. %



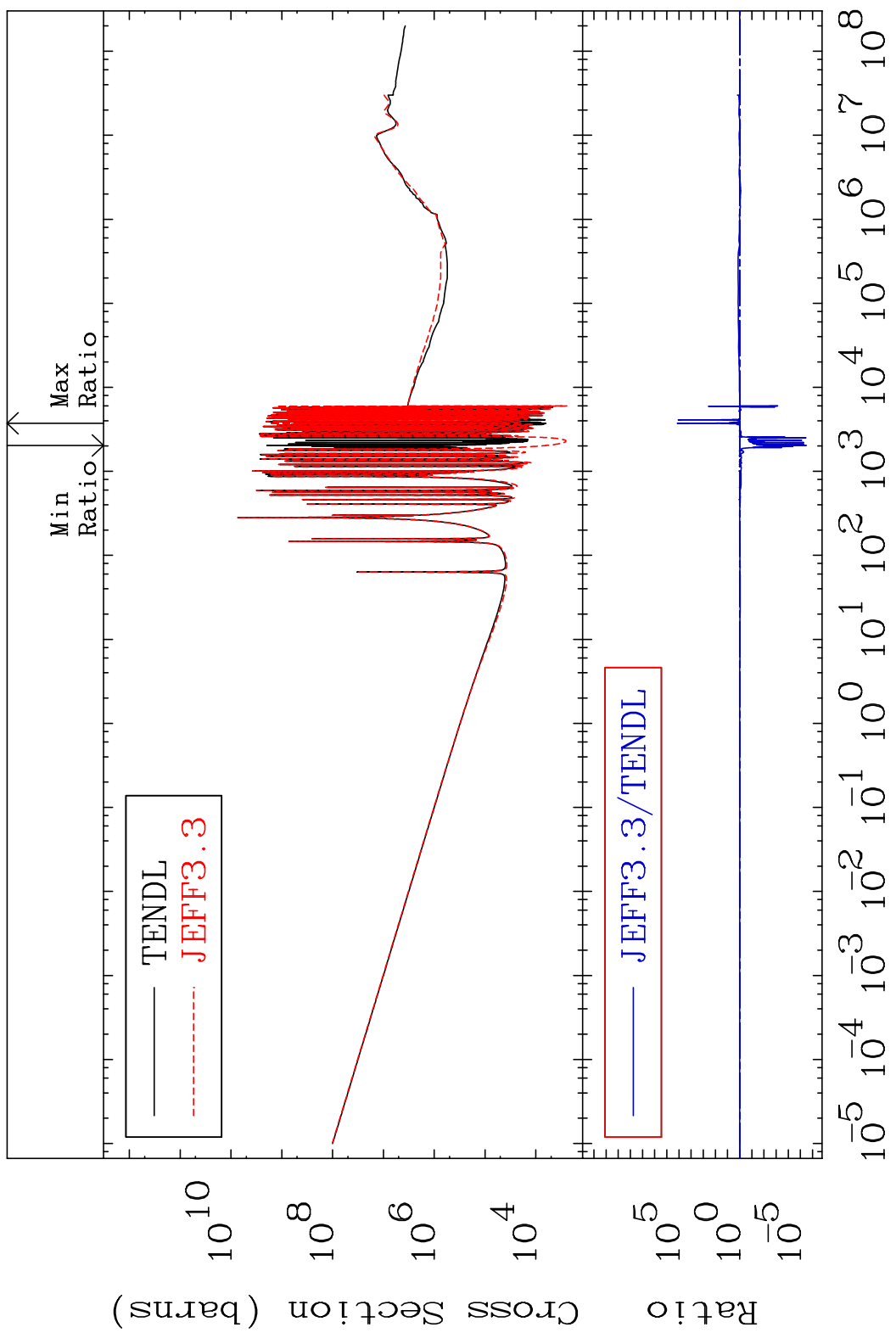
49

Incident Energy (eV)

46-Pd-106

MAT 4637

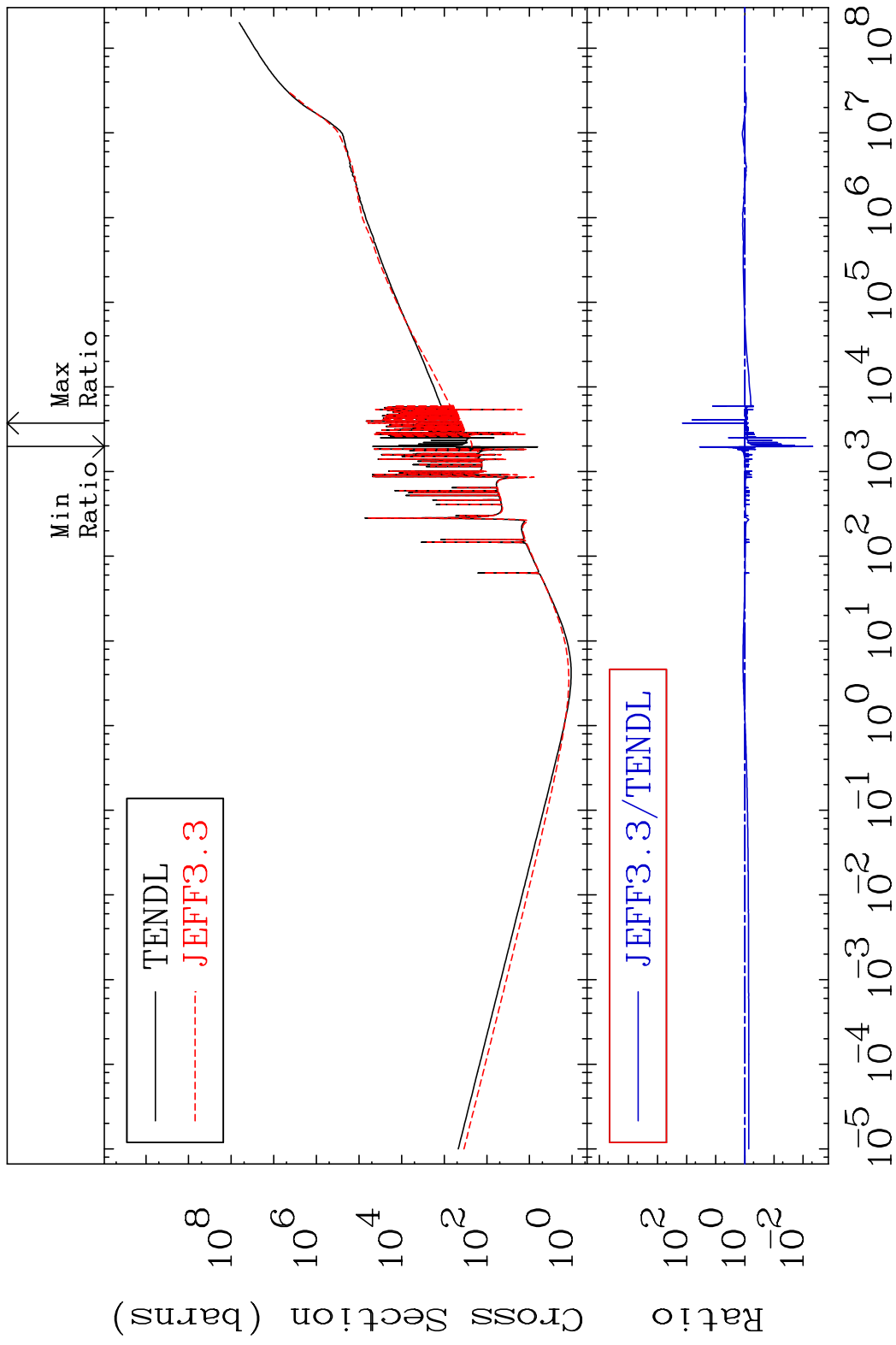
Total photon (eV-barns) 46-Pd-106
Cross Section -100.0 To 9999. %



50

Incident Energy (eV) 46-Pd-106

MAT 4637 Total kinematic kerma (high limit) 46-Pd-106
 Cross Section -99.53 To 9999. %

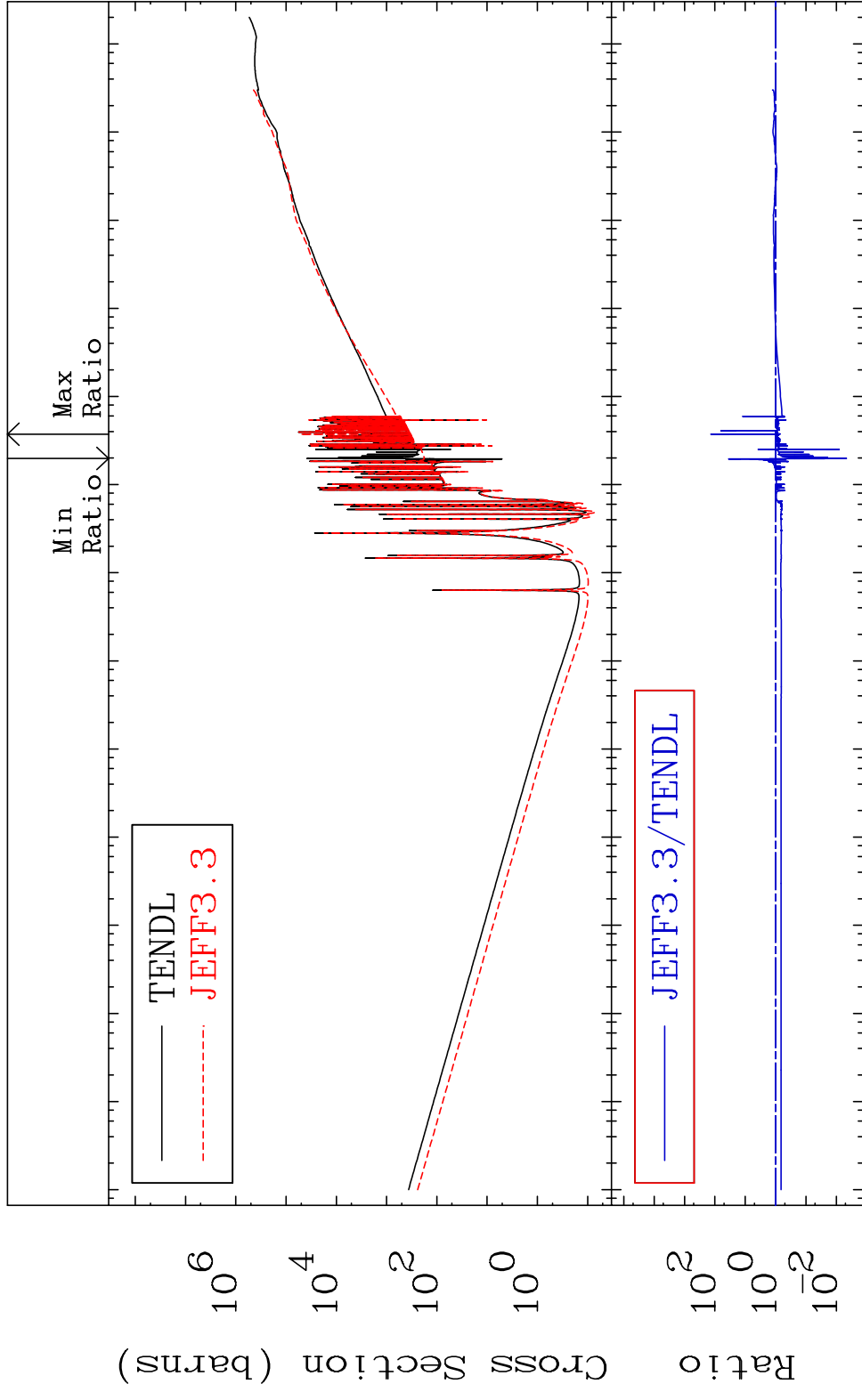


MAT 4637

Dpa total (eV-barns)

46-Pd-106

Cross Section -99.53 To 9999. %

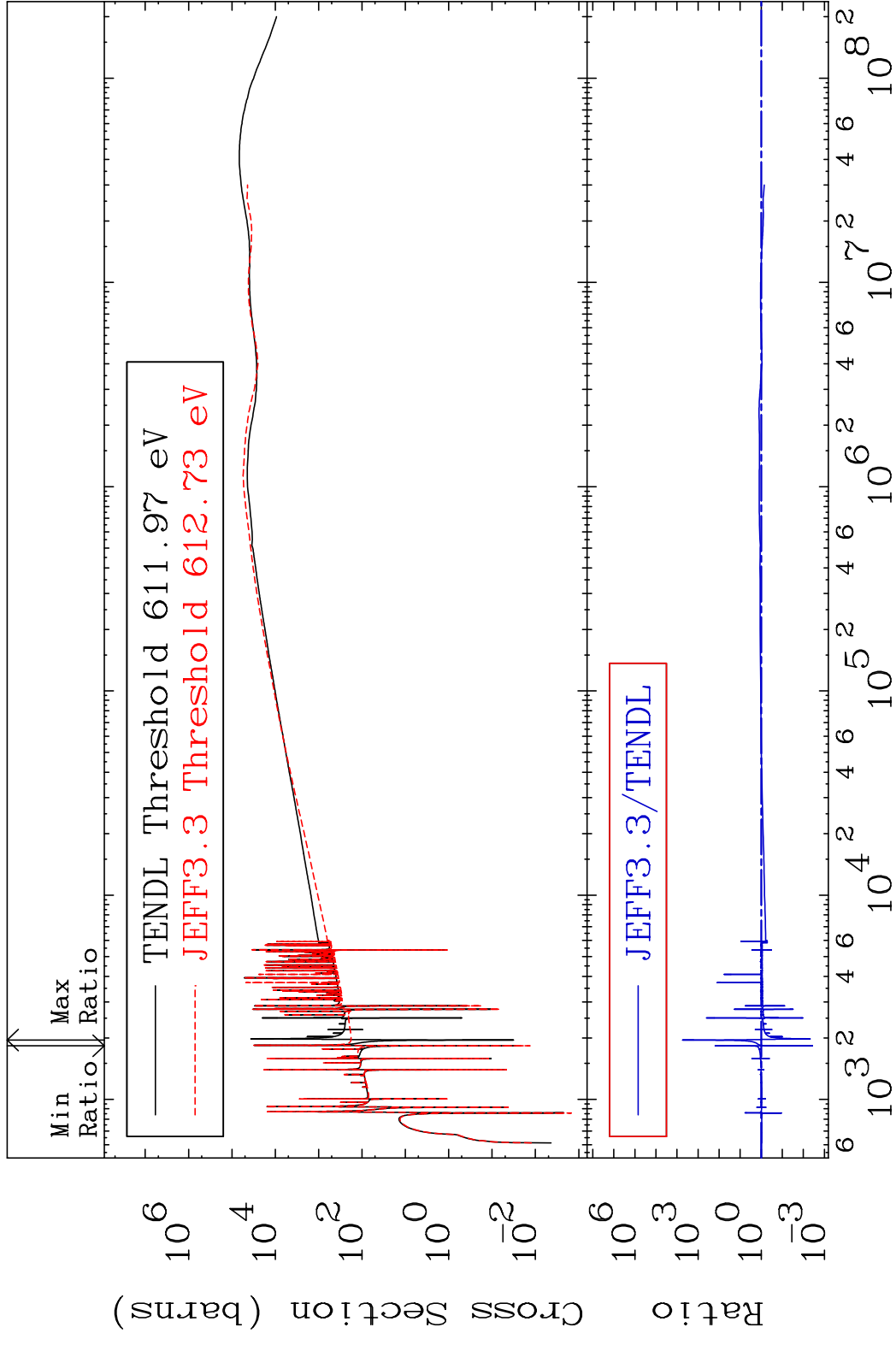


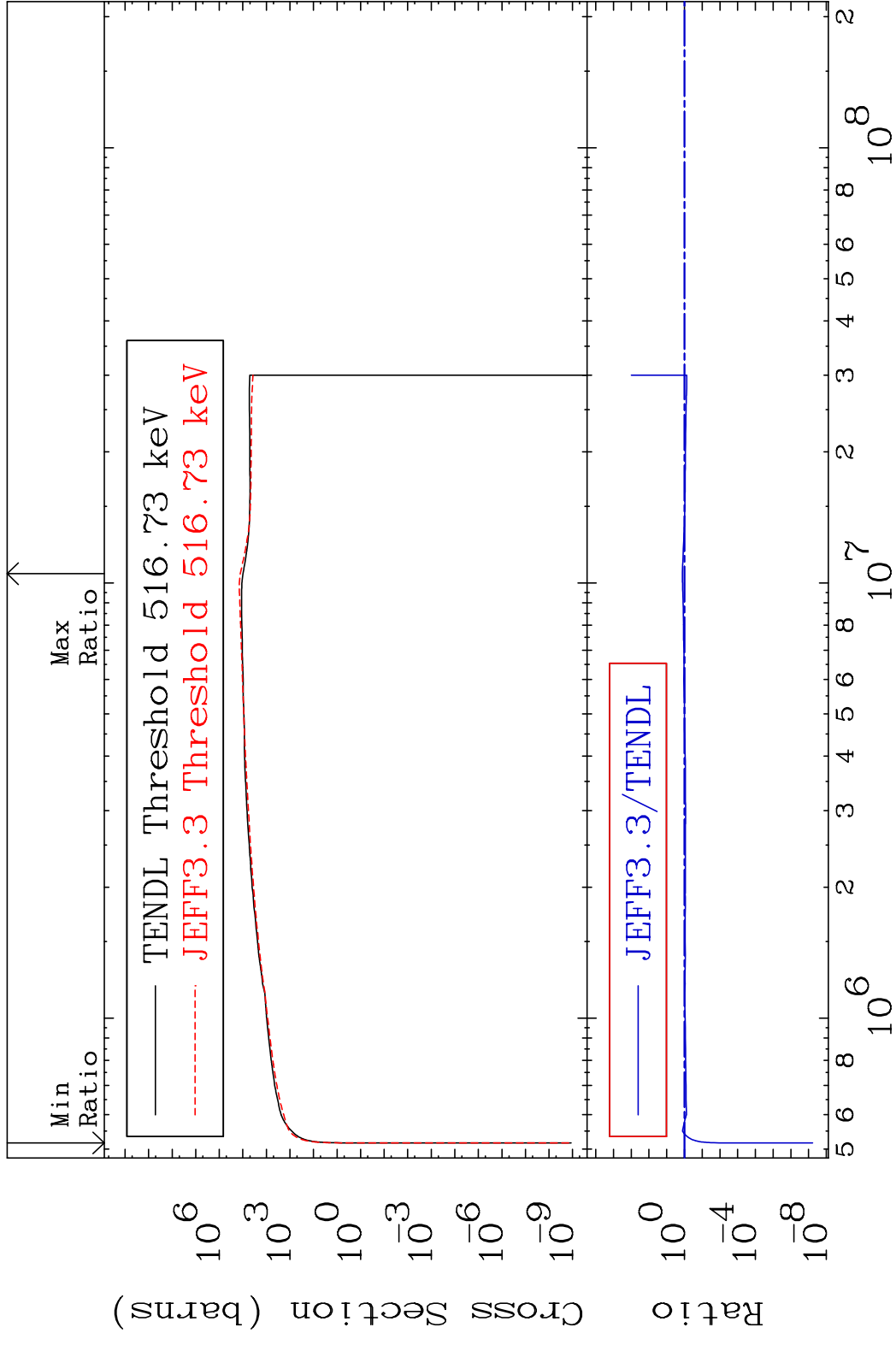
MAT 4637

Dpa elastic (mt2)

46-Pd-106

Cross Section -99.64 To 9999. %





MAT 4637 Dpa disappearance (mt102 -120) 46-Pd-106
 Cross Section -100.0 To 9999. %

