

Program Complot
(Version 2021-1)

by

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U.S.A.

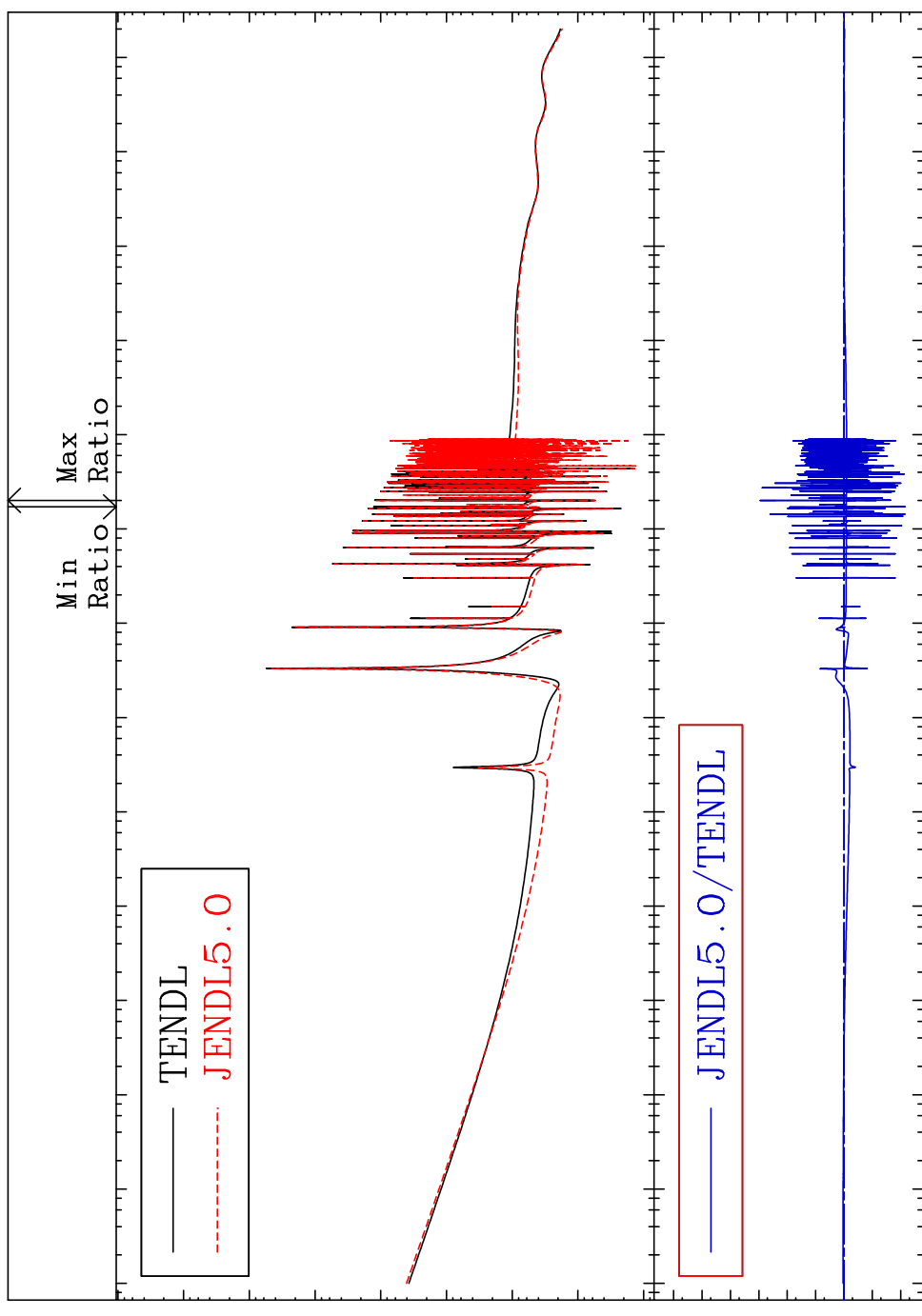
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4643

Total Cross Section -99.30 To 9999. %
46-Pd-108



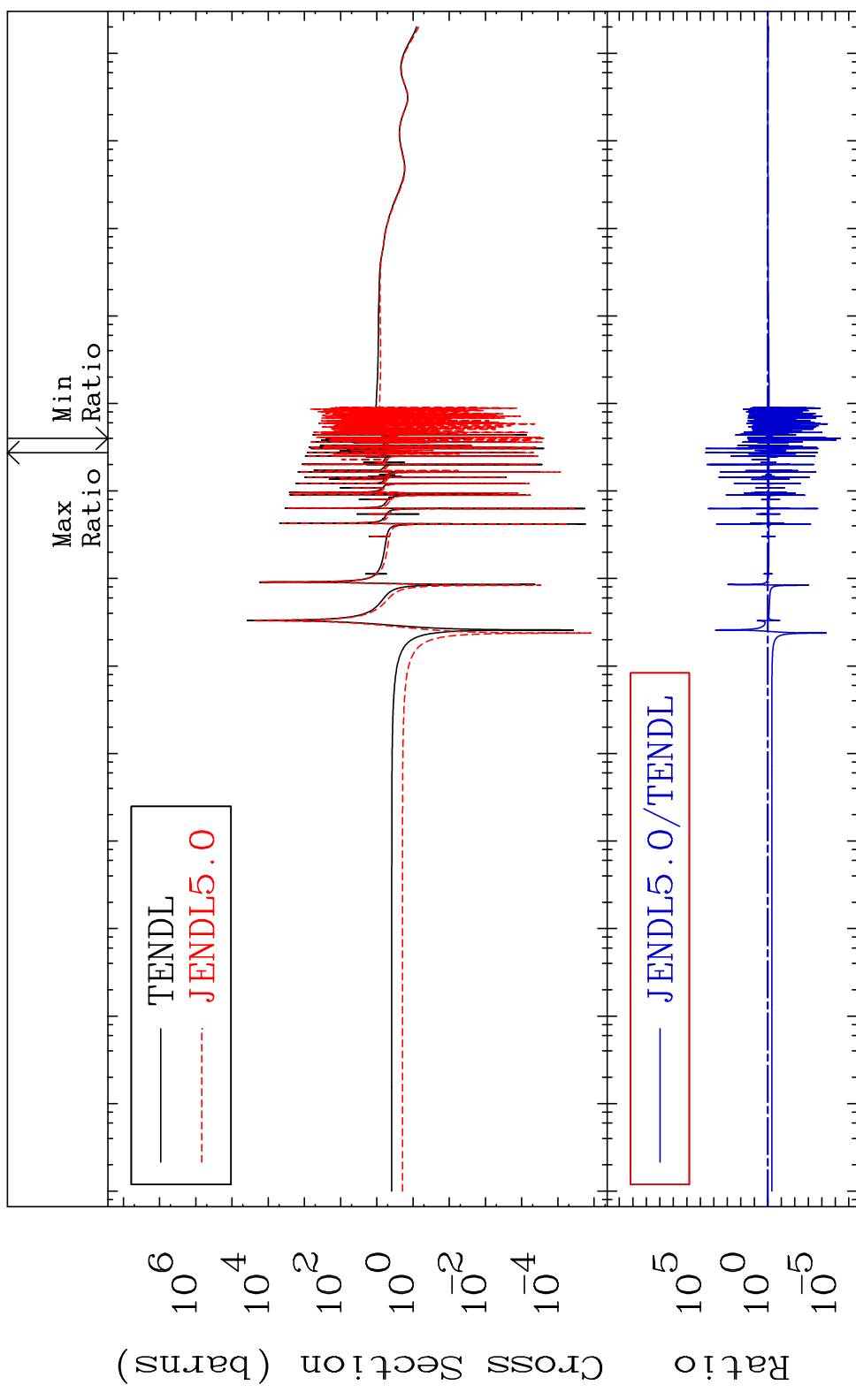
Cross Section (barns)
Ratio

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

1 Incident Energy (eV) 46-Pd-108

MAT 4643

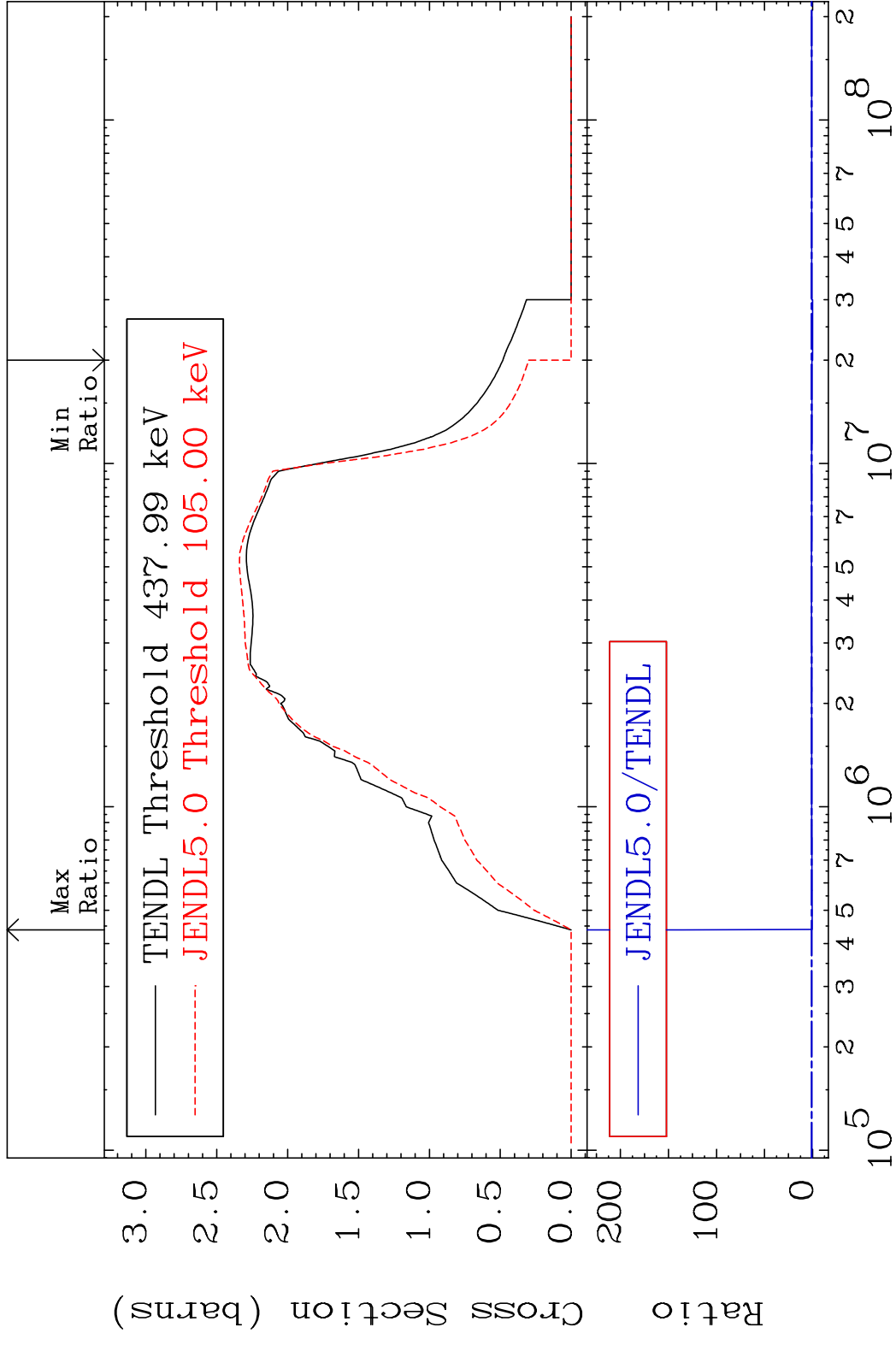
Elastic Cross Section -100.0 To 9999. %
46-Pd-108



Ratio
10⁵
10⁰
10⁻⁵
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

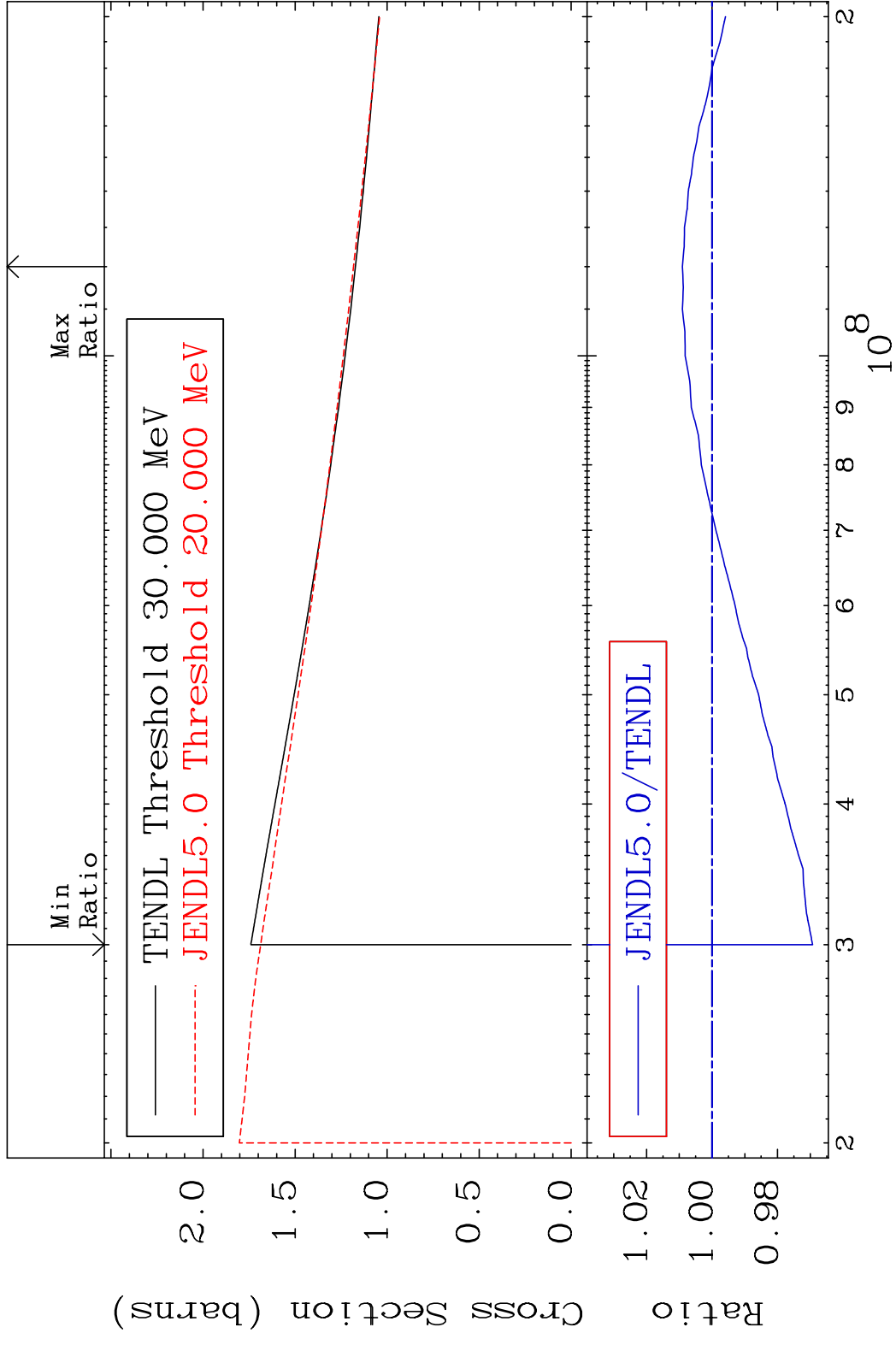
2 46-Pd-108

MAT 4643 Inelastic 46-Pd-108
 Cross Section -100.0 To 9999. %



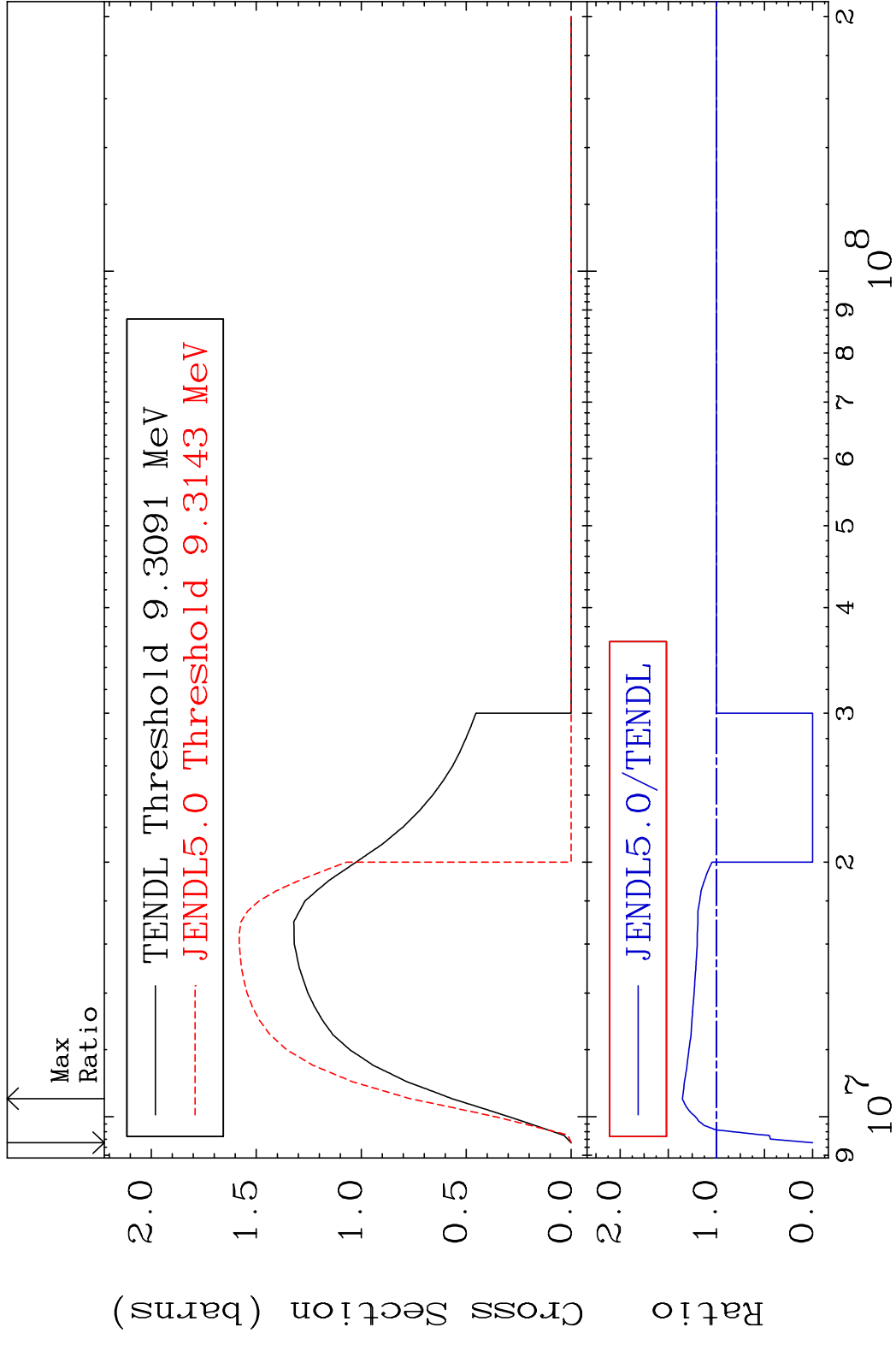
3 3 Incident Energy (eV) 46-Pd-108

MAT 4643 (n, remainder) 46-Pd-108
 Cross Section -3.069 To 0.906 %



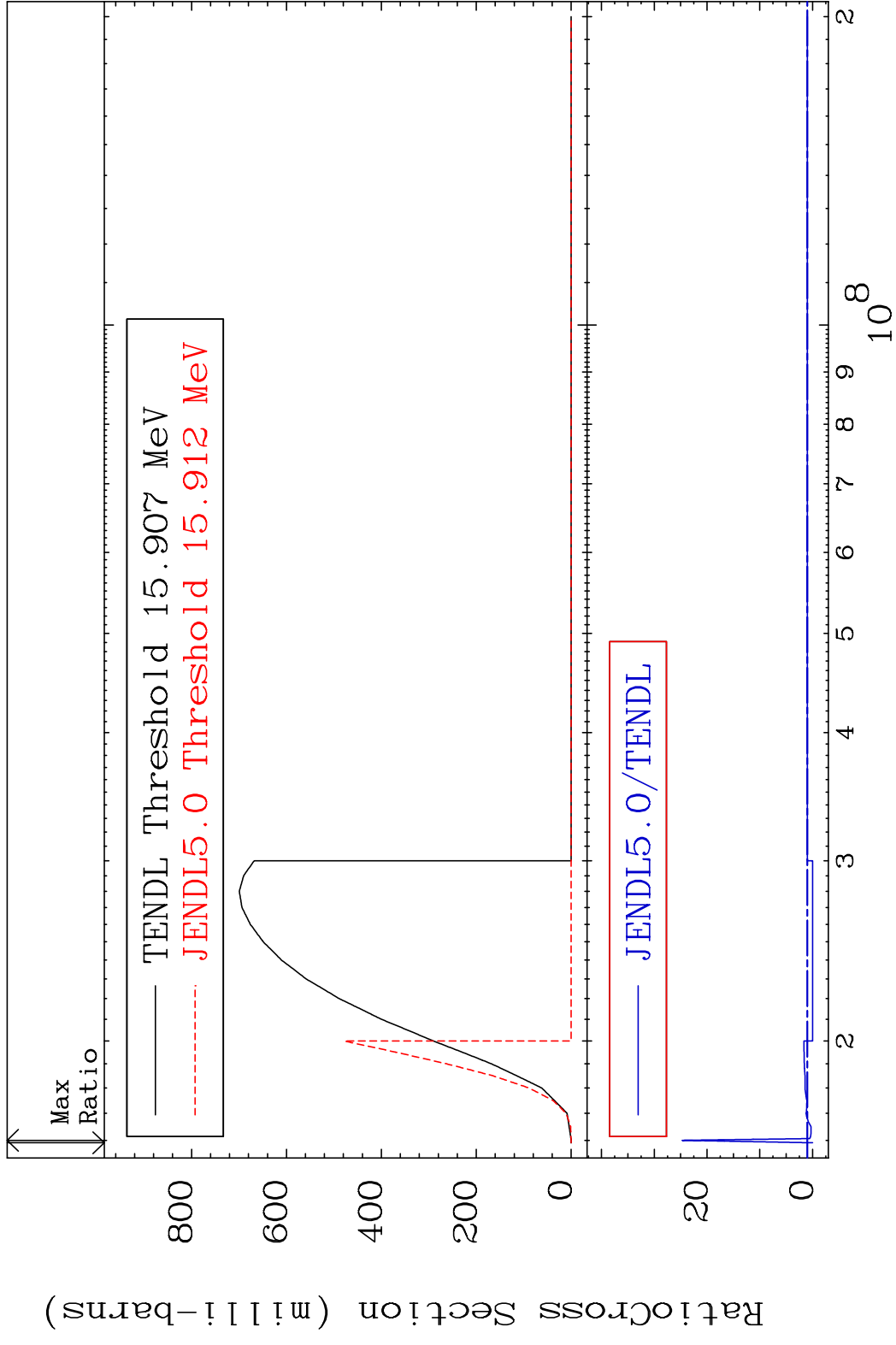
4 Incident Energy (eV) 46-Pd-108

MAT 4643 (n,2n) 46-Pd-108
 Cross Section -100.0 To 35.31 %



5 Incident Energy (eV) 46-Pd-108

MAT 4643 (n,3n) 46-Pd-108
 Cross Section -100.0 To 2368. %



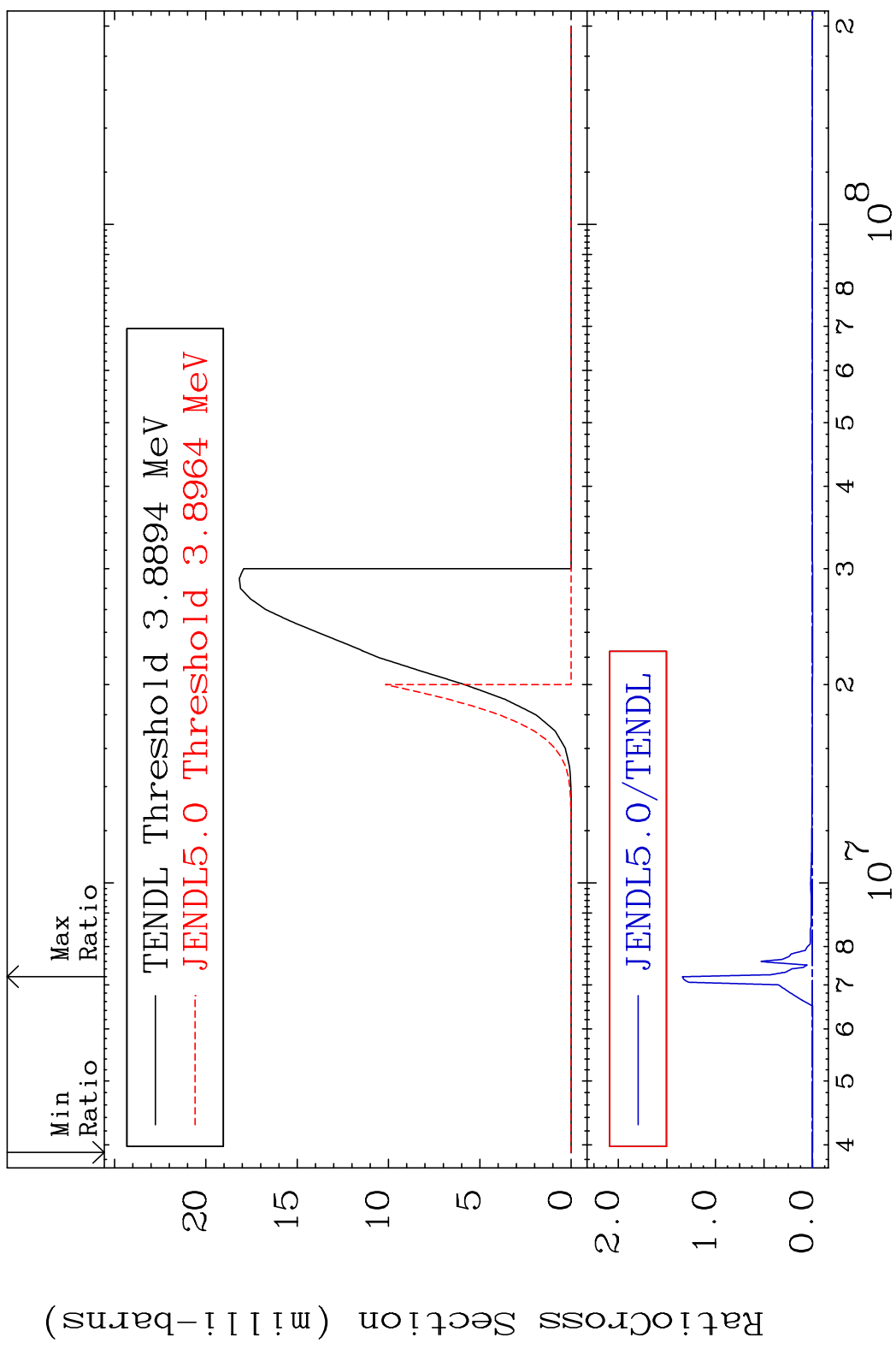
6 Incident Energy (eV) 46-Pd-108

MAT 4643

(n, n') α

46-Pd-108

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

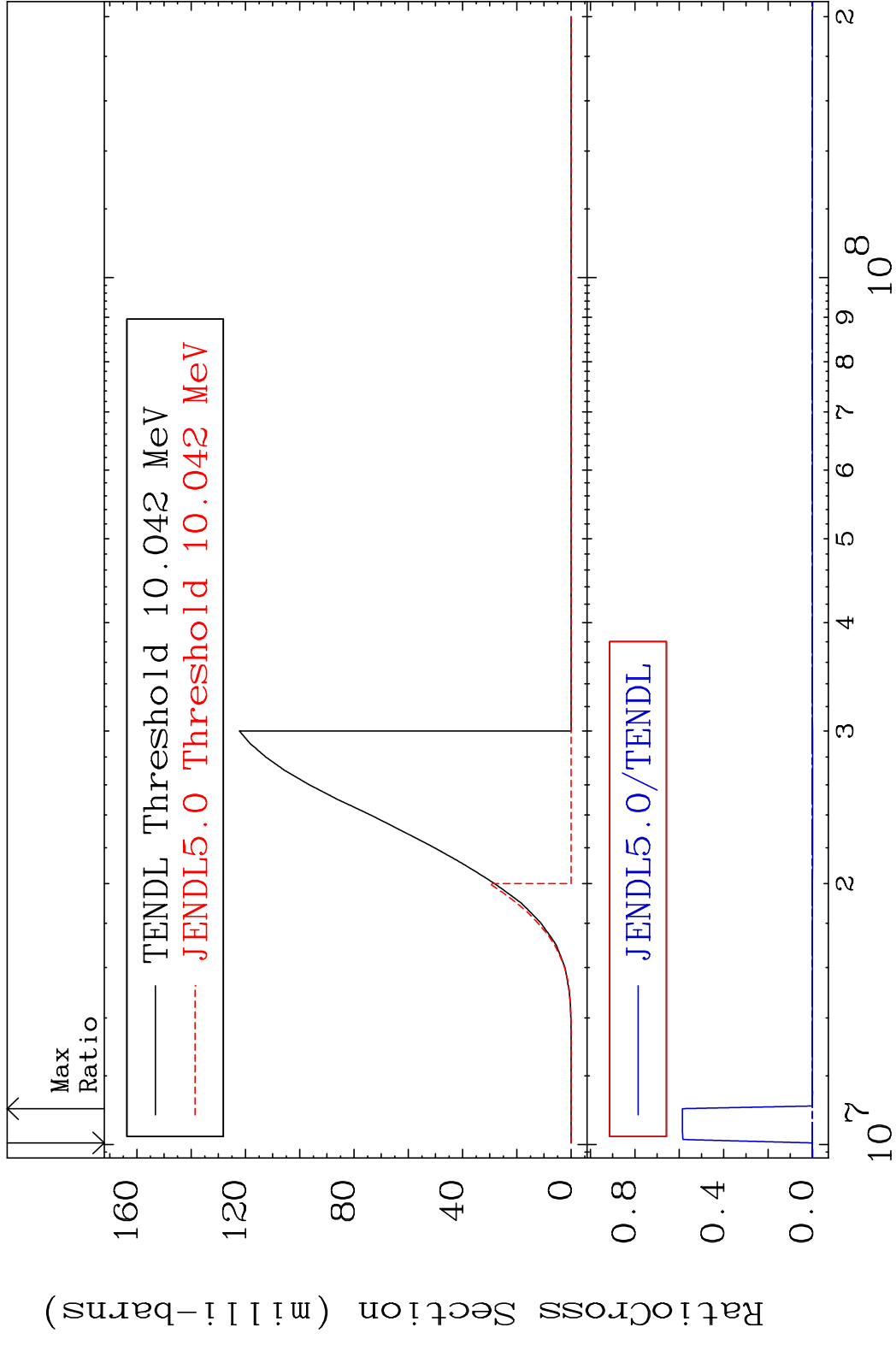
46-Pd-108

MAT 4643

(n, n') p

46-Pd-108

Cross Section -100.0 To 9999. %

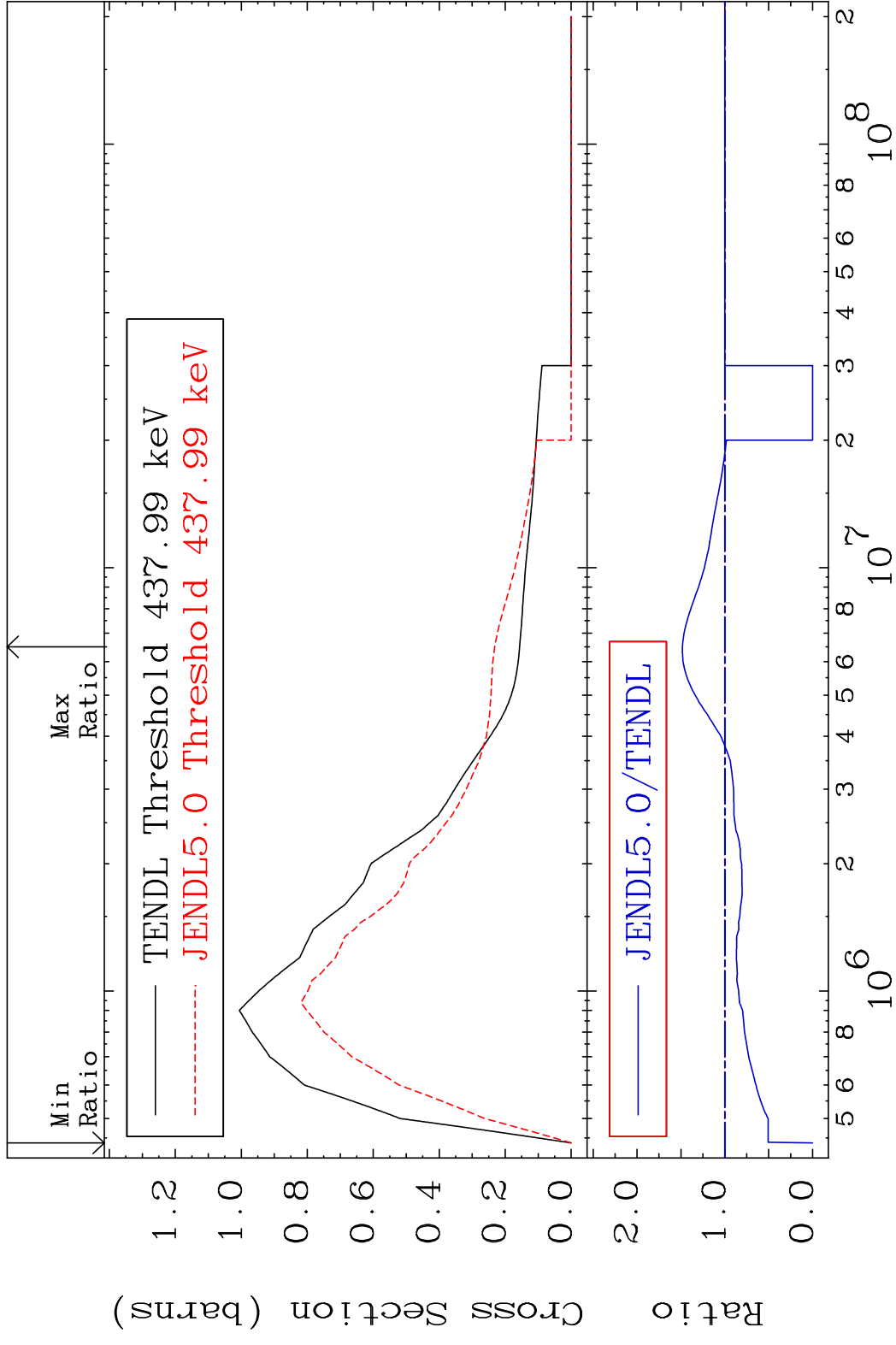


8

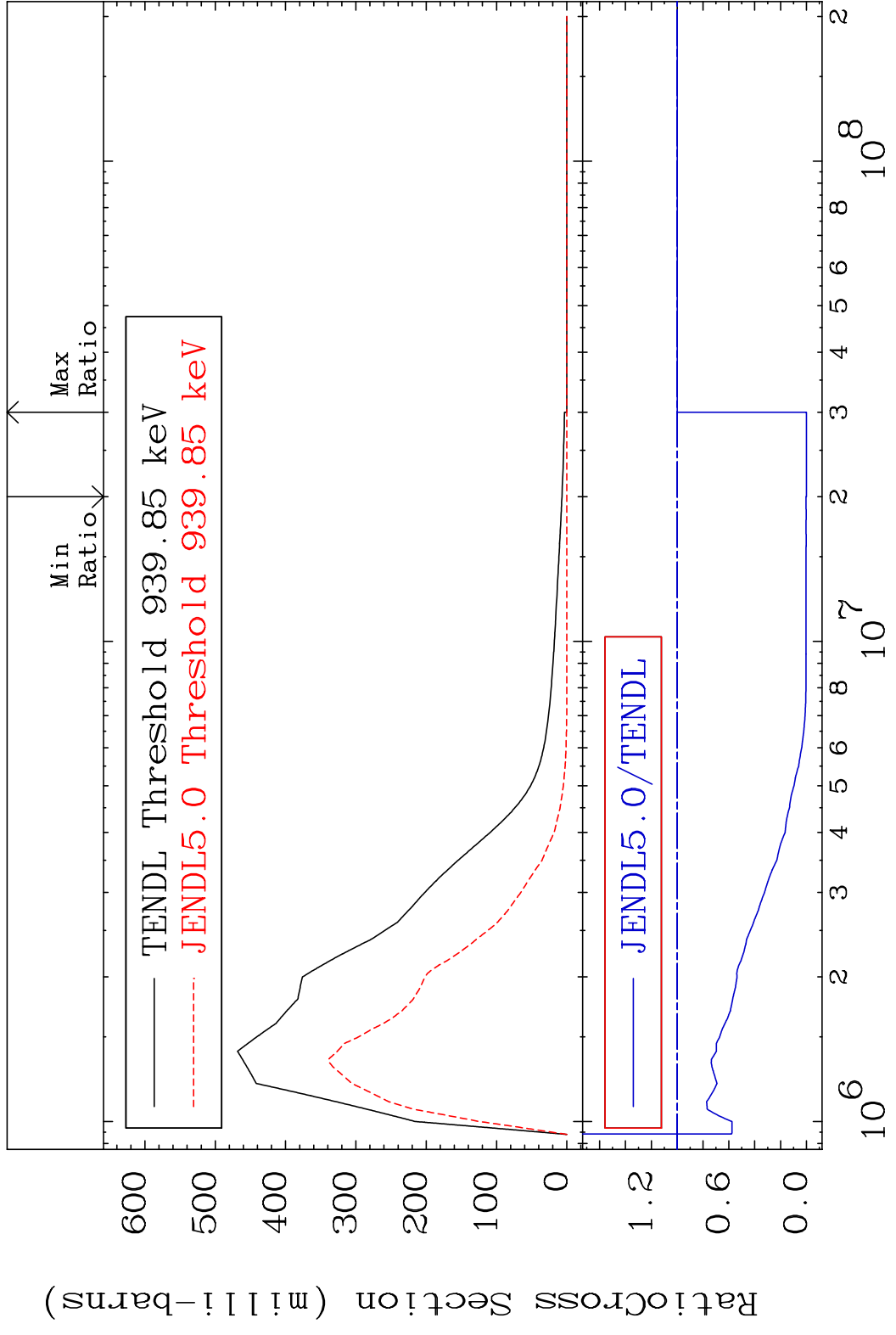
Incident Energy (eV)

46-Pd-108

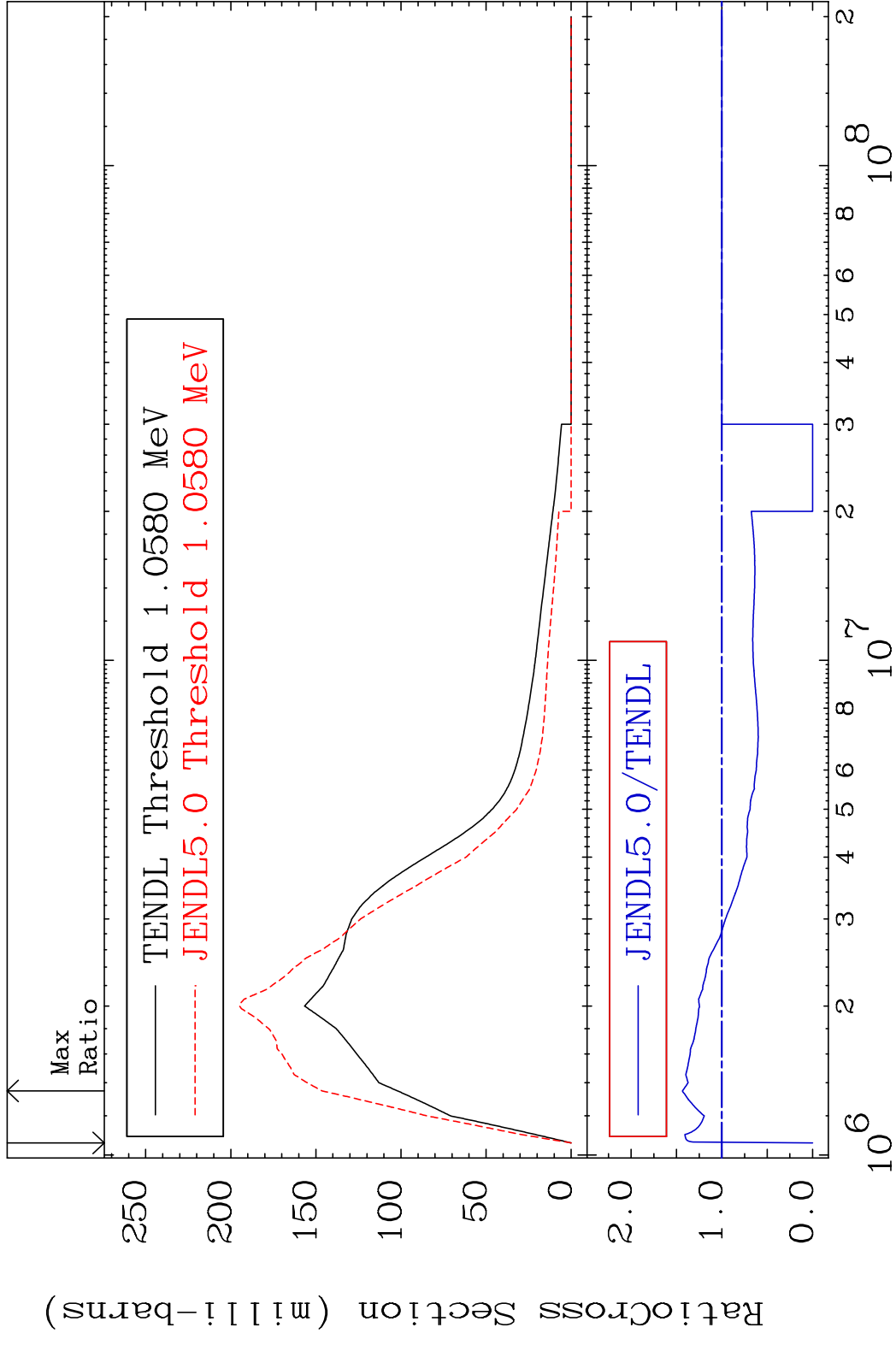
MAT 4643 MT= 51 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 48.40 %



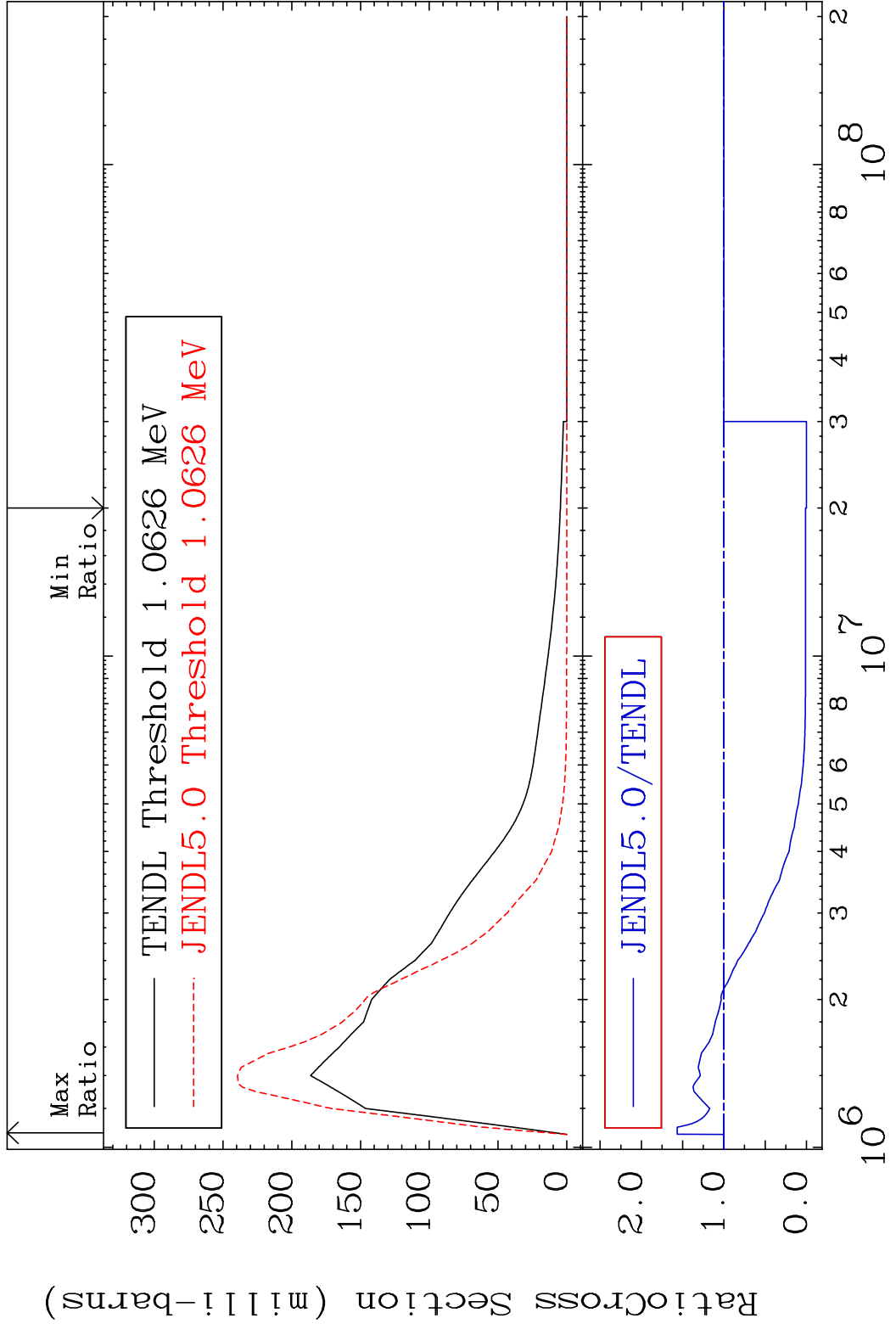
MAT 4643 MT= 52 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 0.000 %



MAT 4643 MT= 53 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 43.56 %

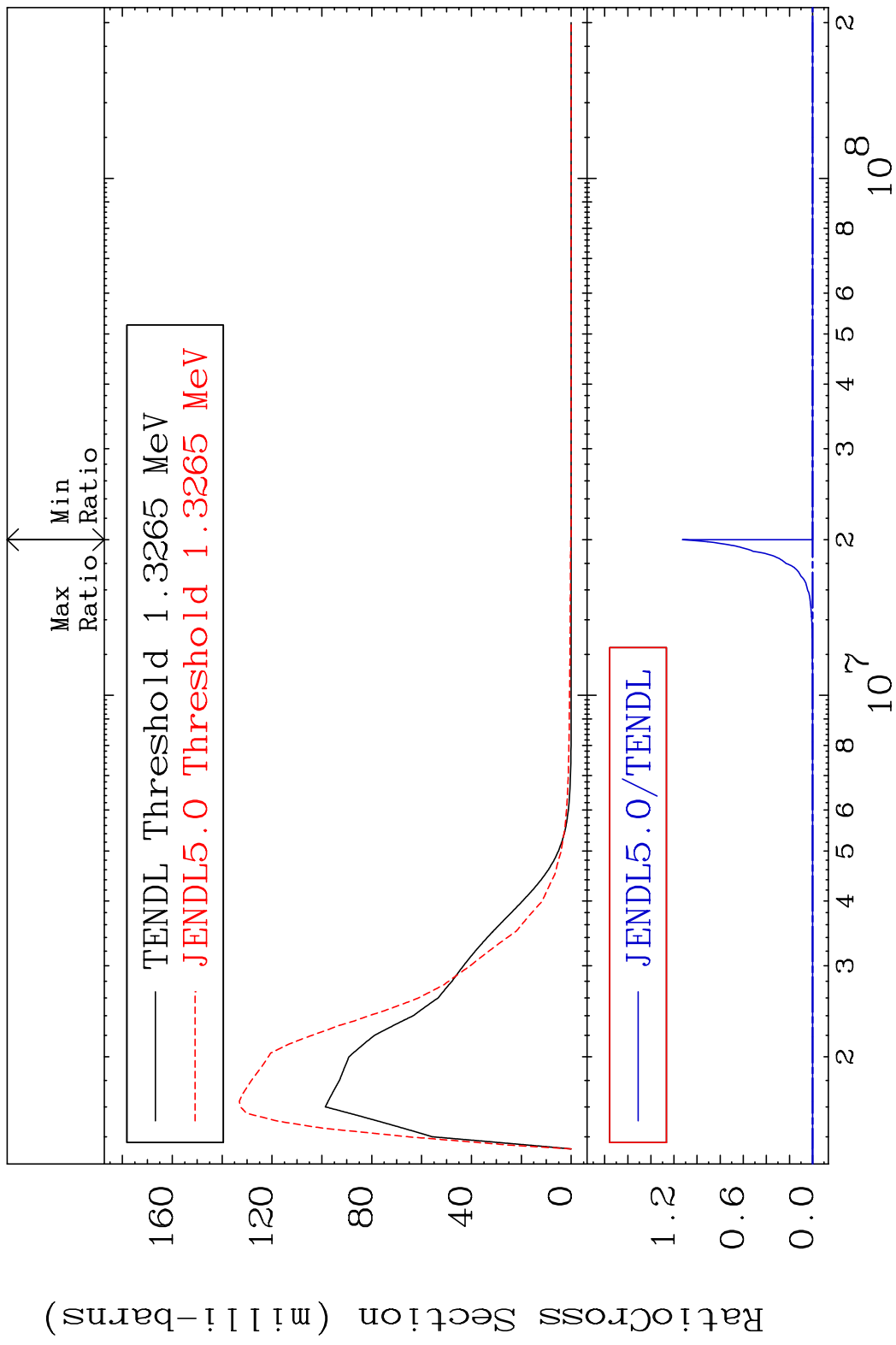


MAT 4643 MT= 54 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 56.61 %

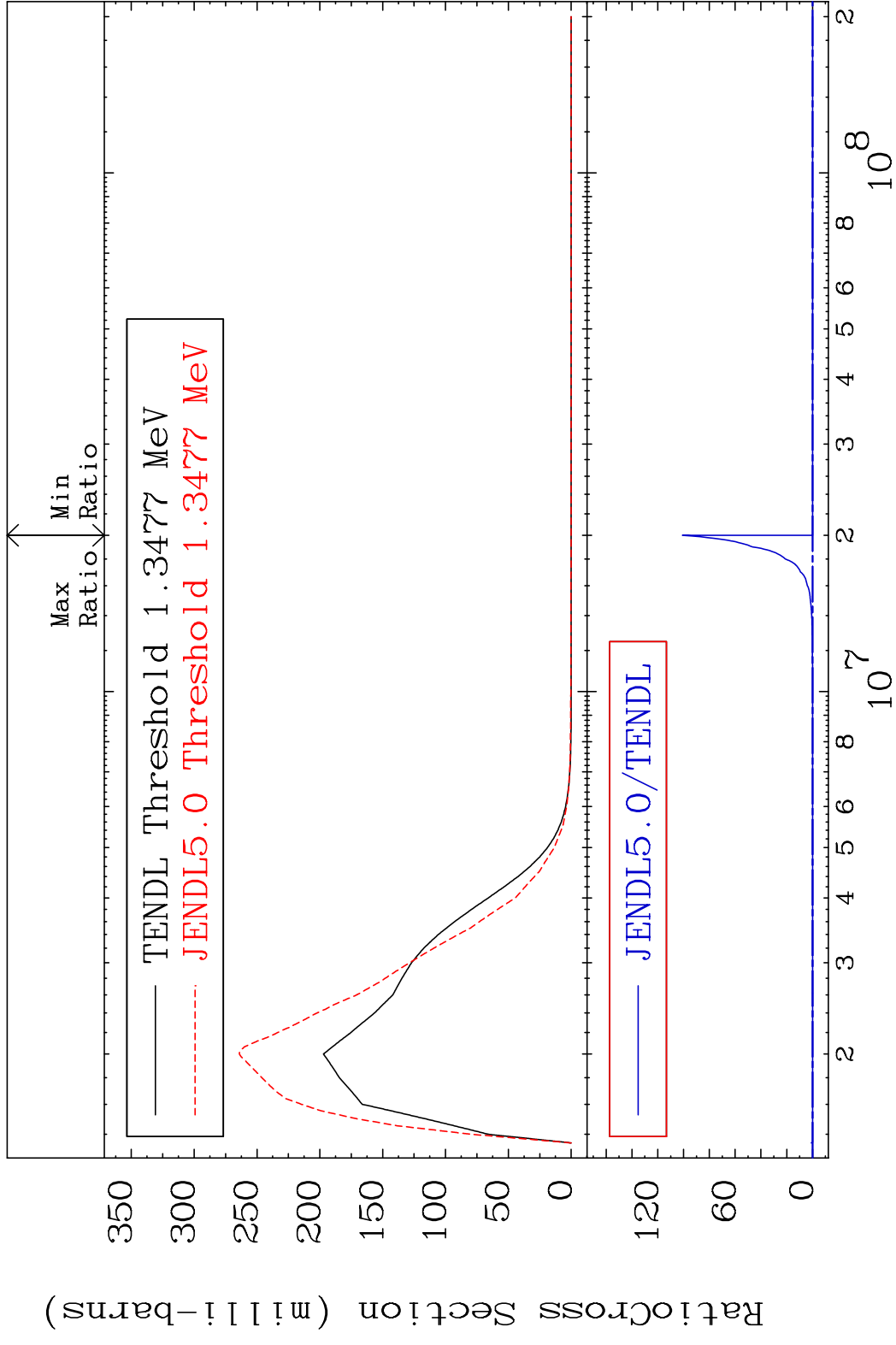


12 Incident Energy (eV) 46-Pd-108

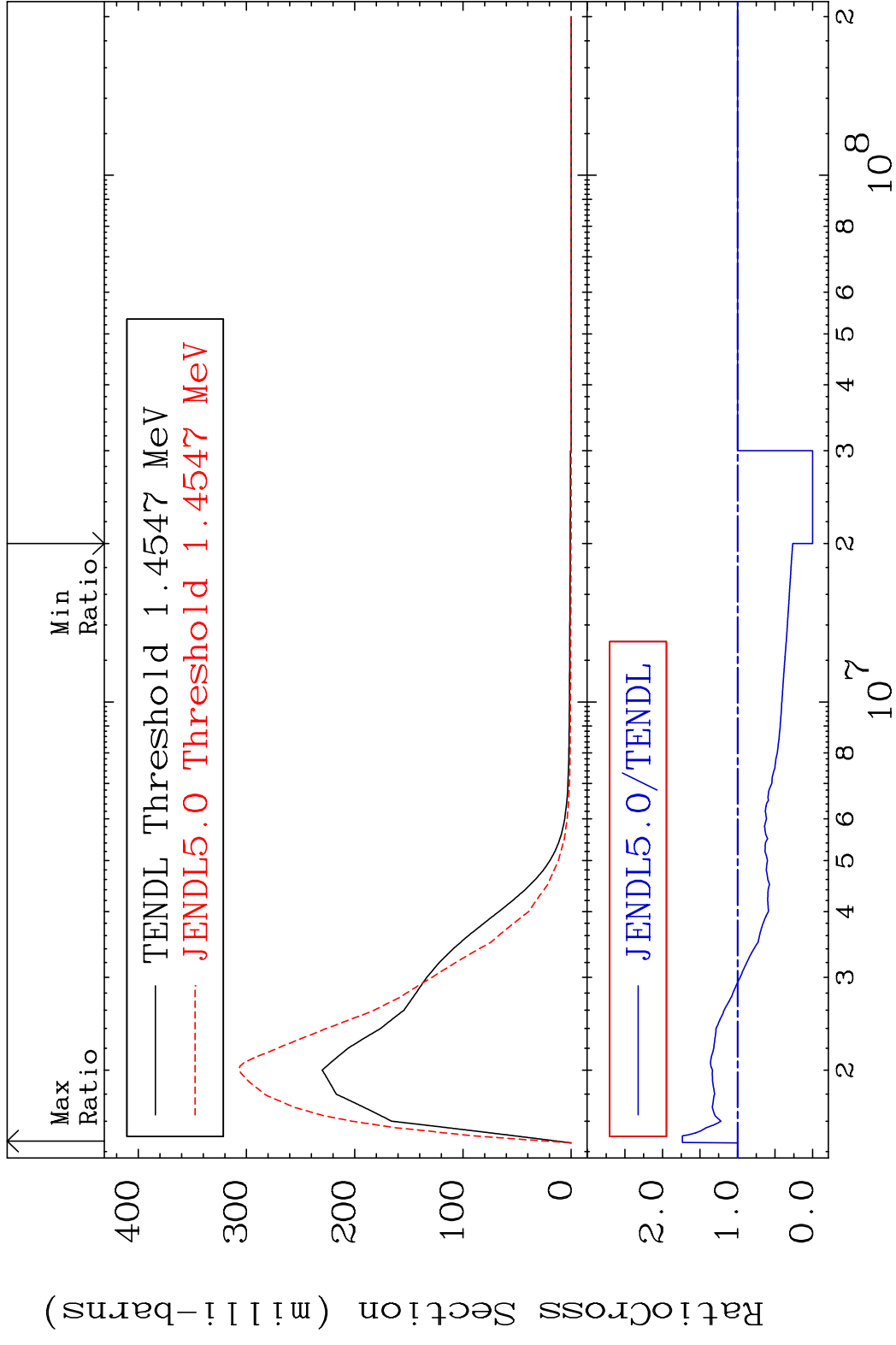
MAT 4643 MT= 55 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %



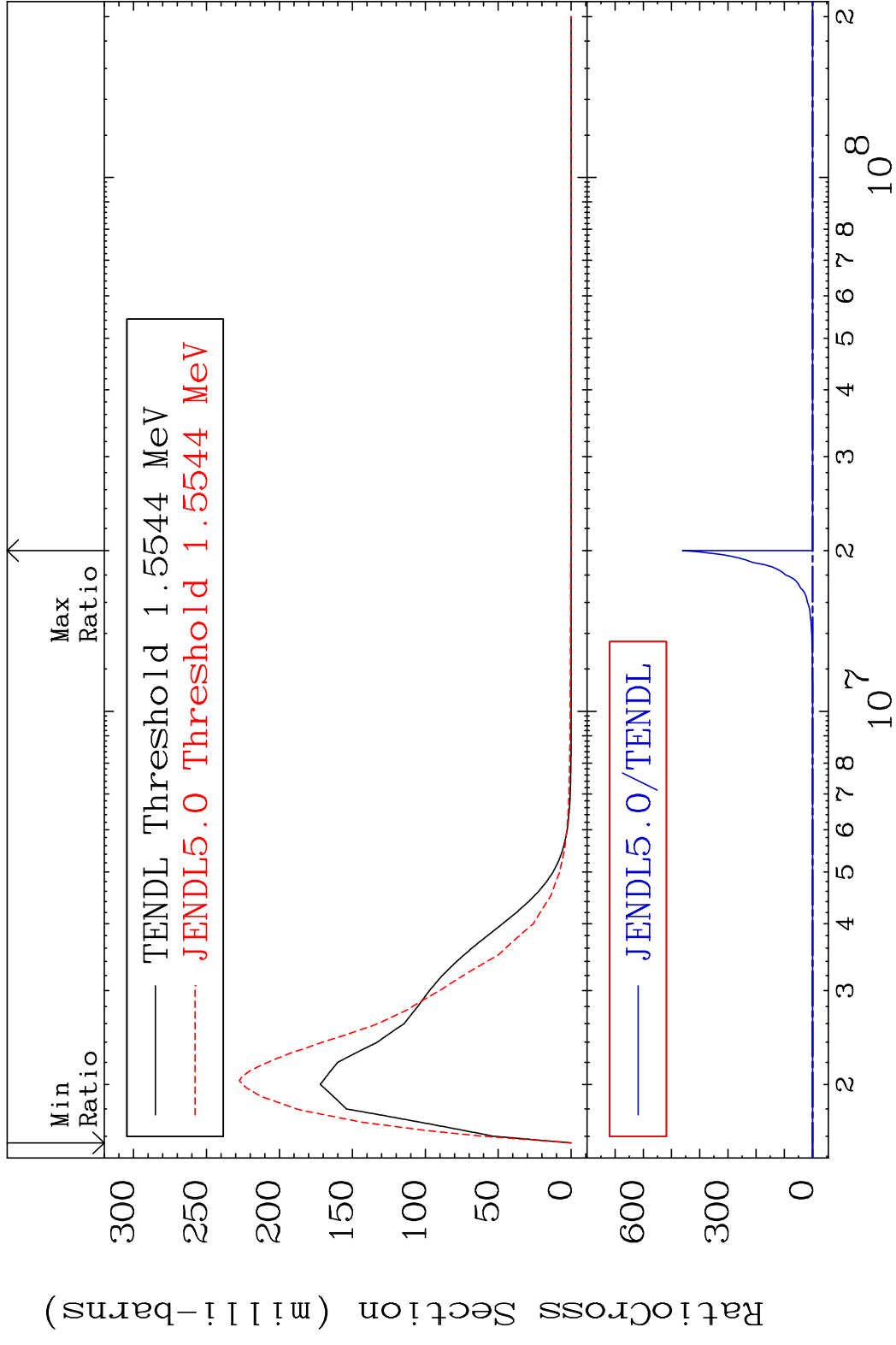
MAT 4643 MT= 56 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %



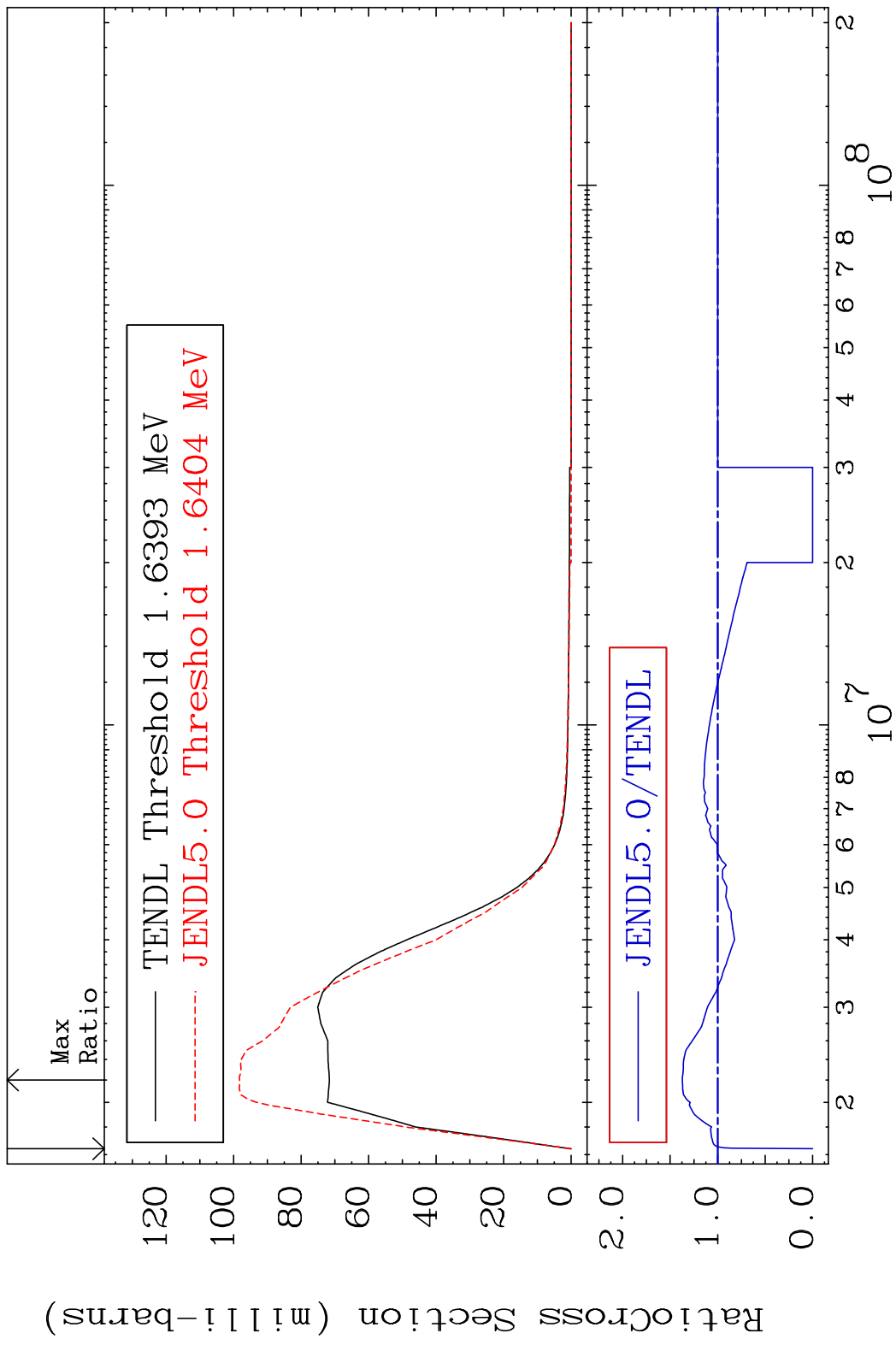
MAT 4643 MT= 57 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 73.48 %



MAT 4643 MT= 58 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %

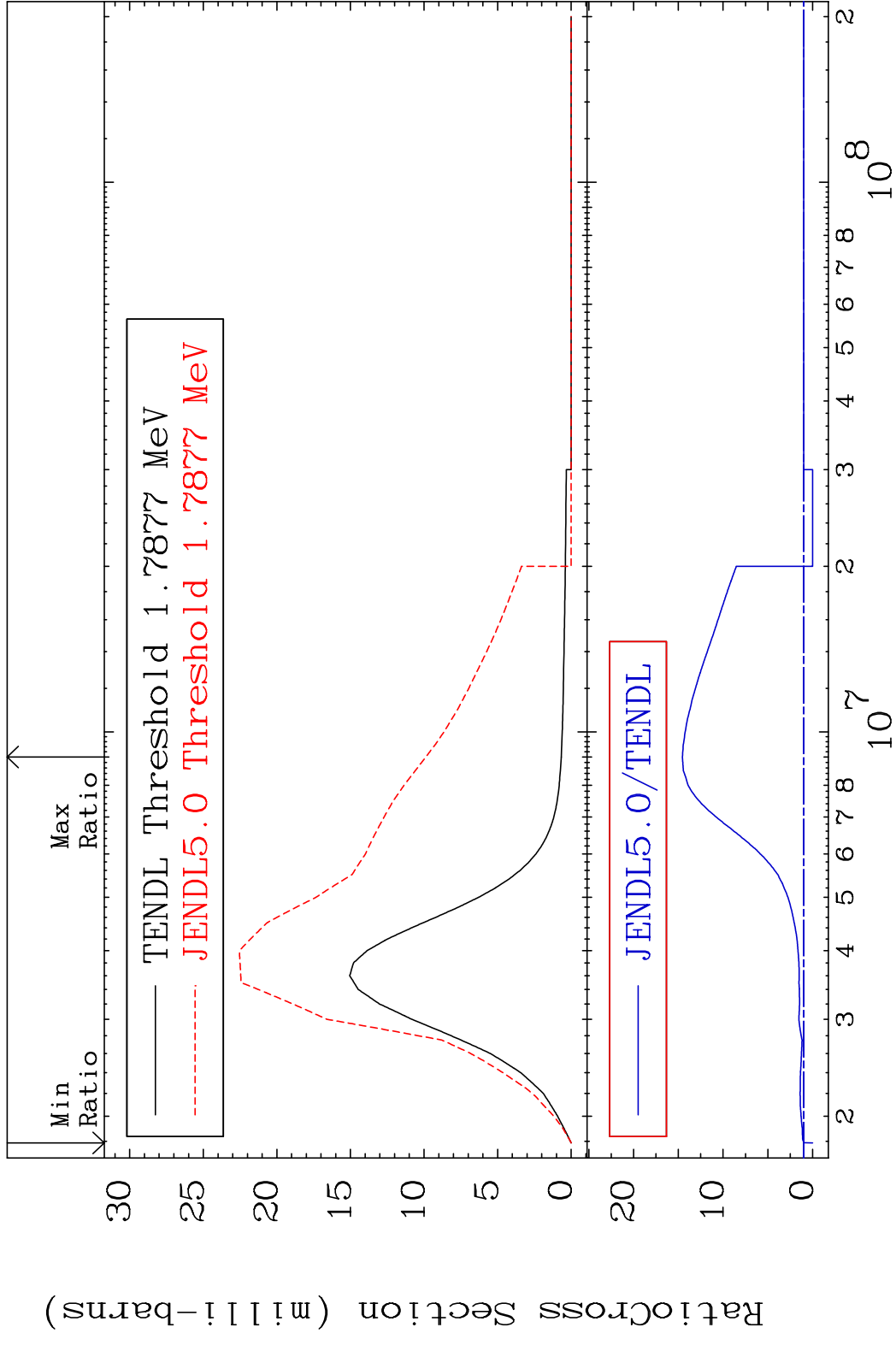


MAT 4643 MT= 59 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 37.17 %

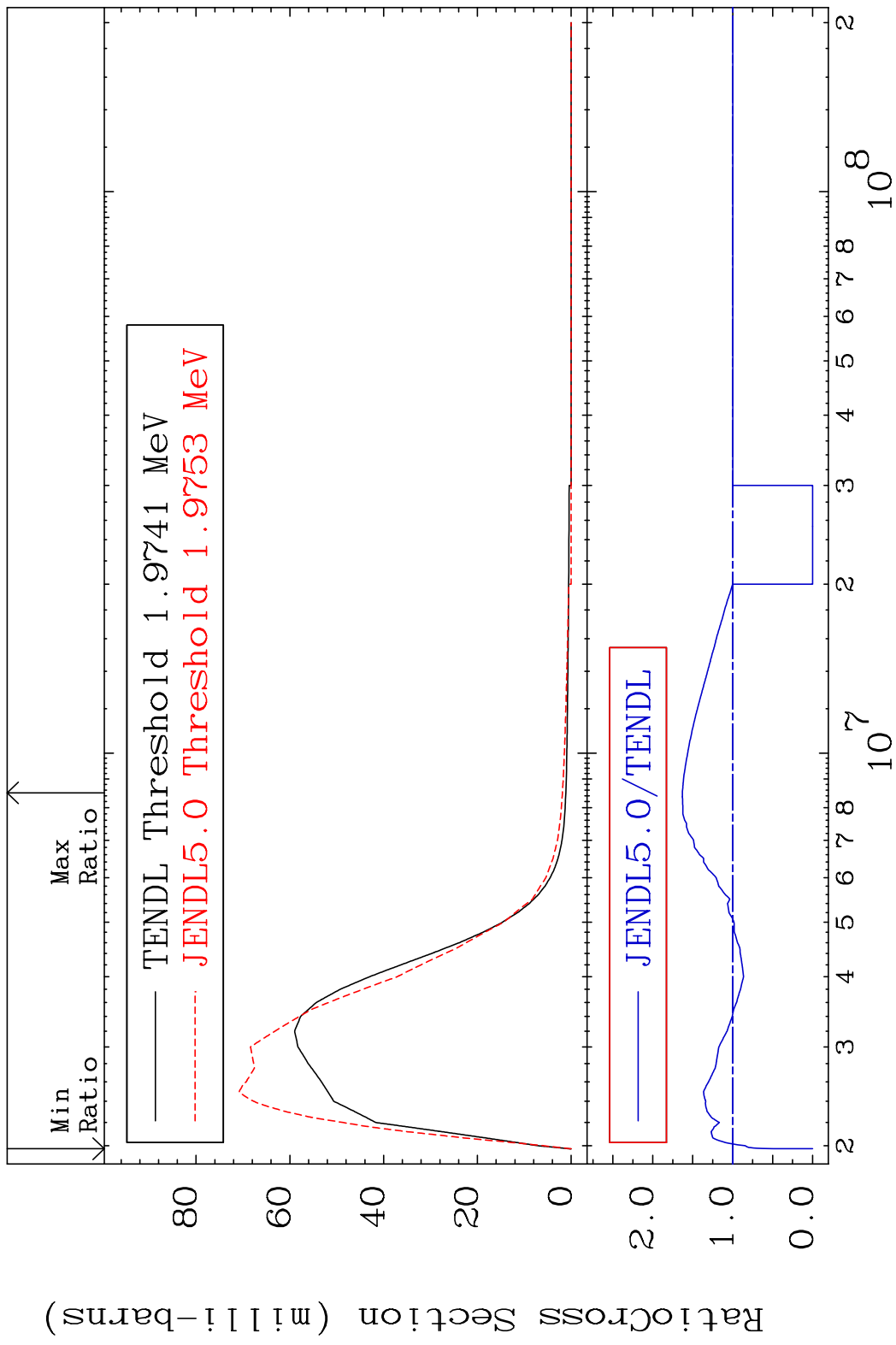


17 Incident Energy (eV) 46-Pd-108

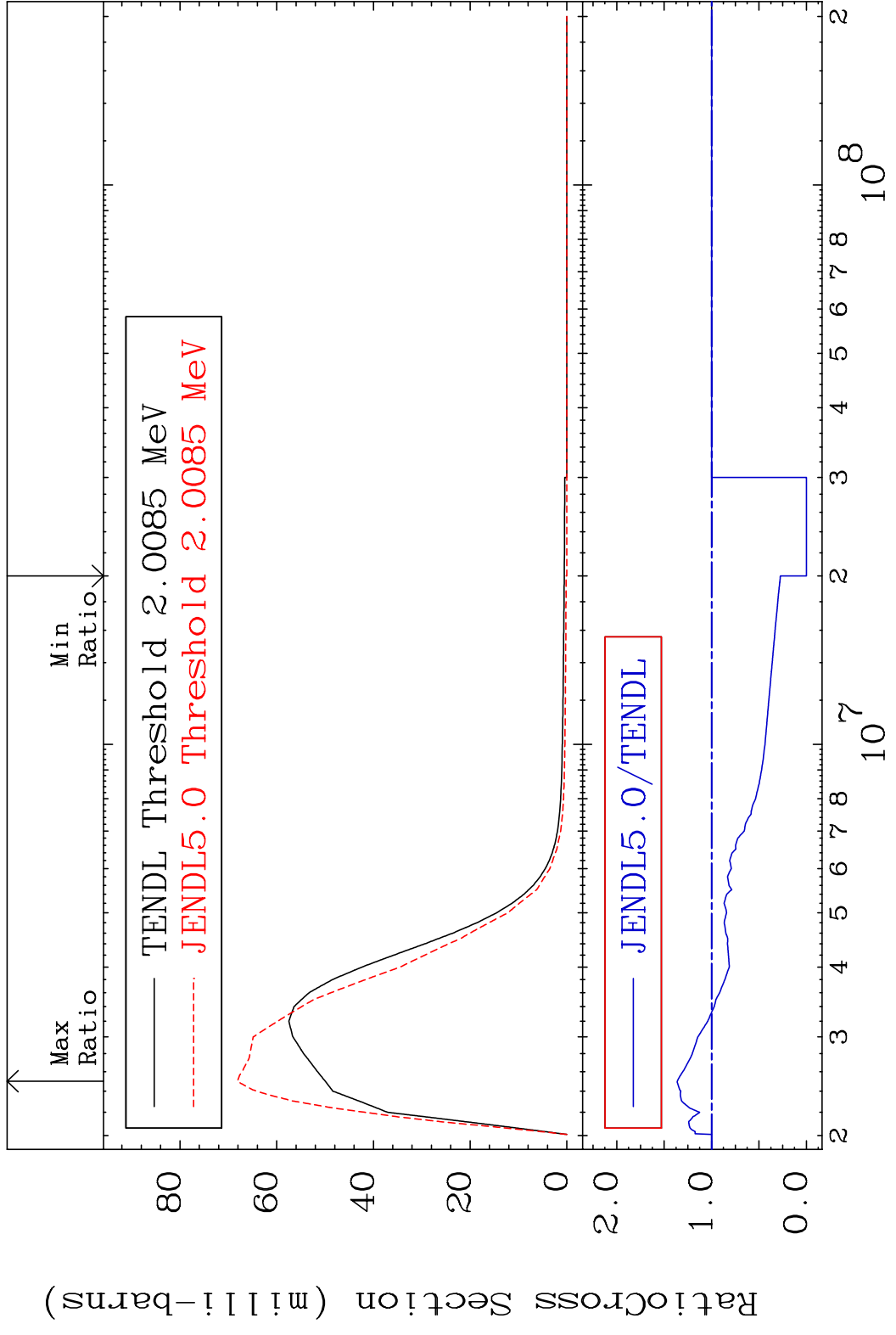
MAT 4643 MT= 60 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 1355. %



MAT 4643 MT= 61 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 63.00 %

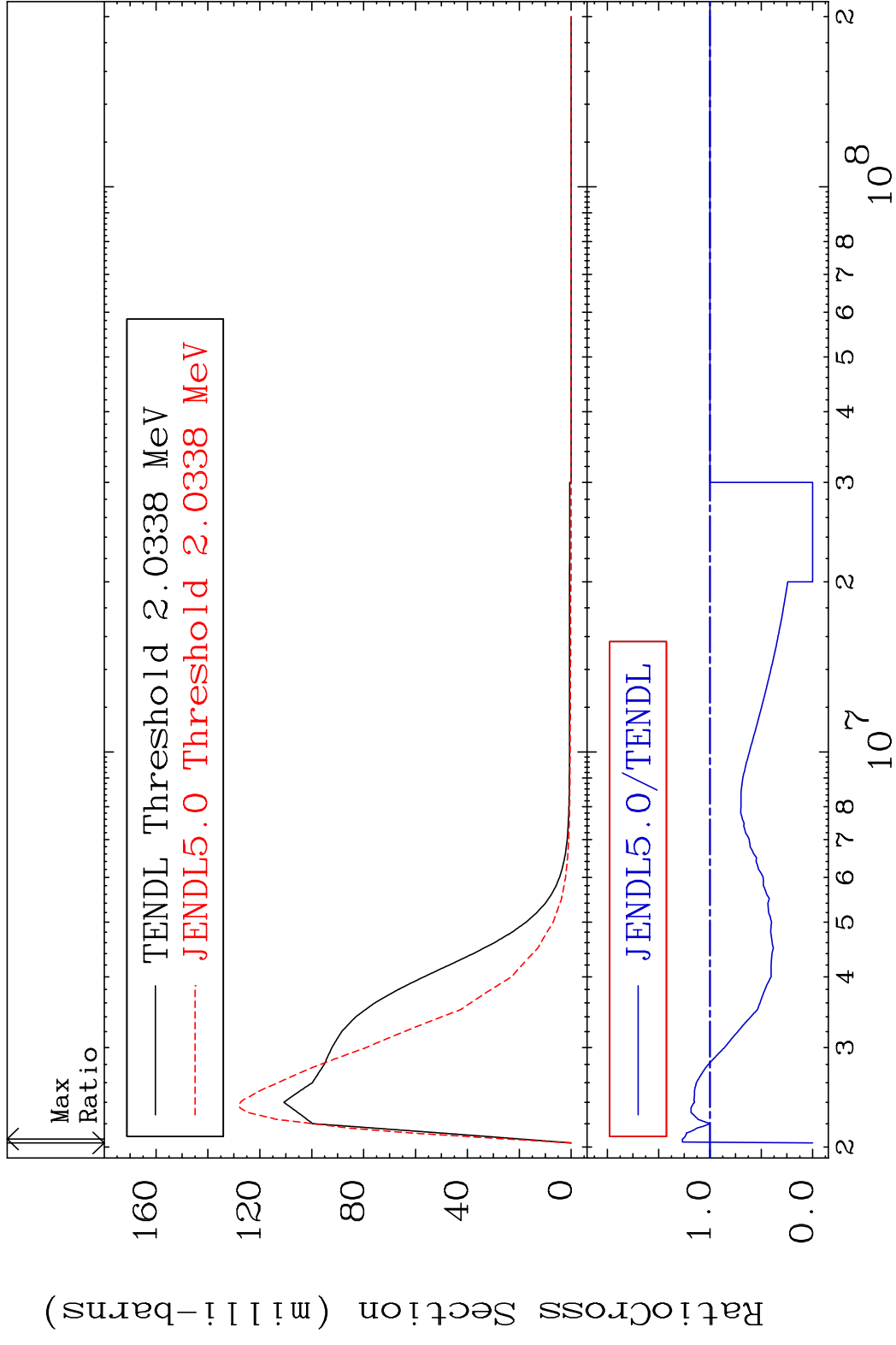


MAT 4643 MT= 62 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 36.27 %

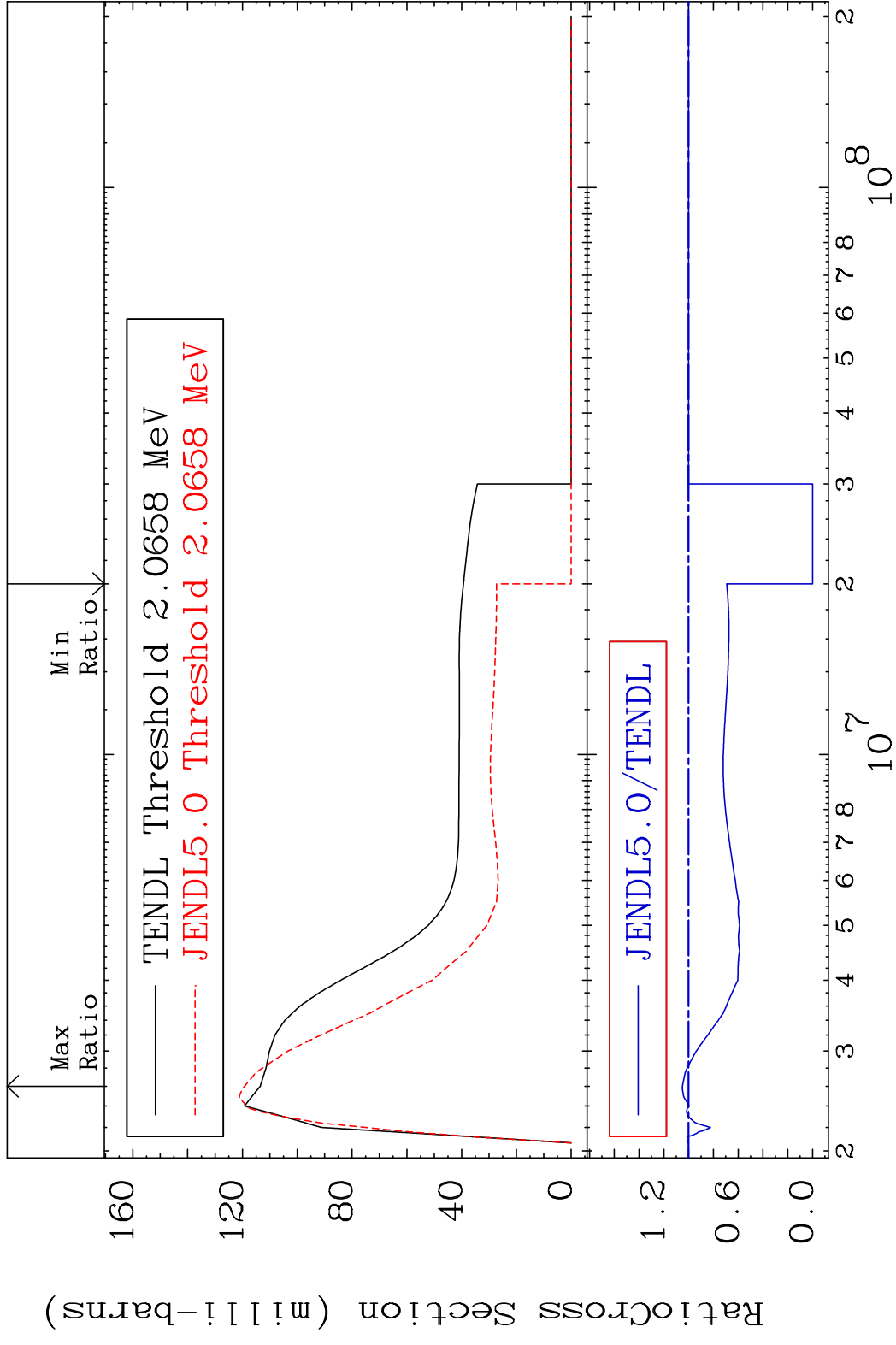


20 Incident Energy (eV) 46-Pd-108

MAT 4643 MT= 63 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 26.84 %

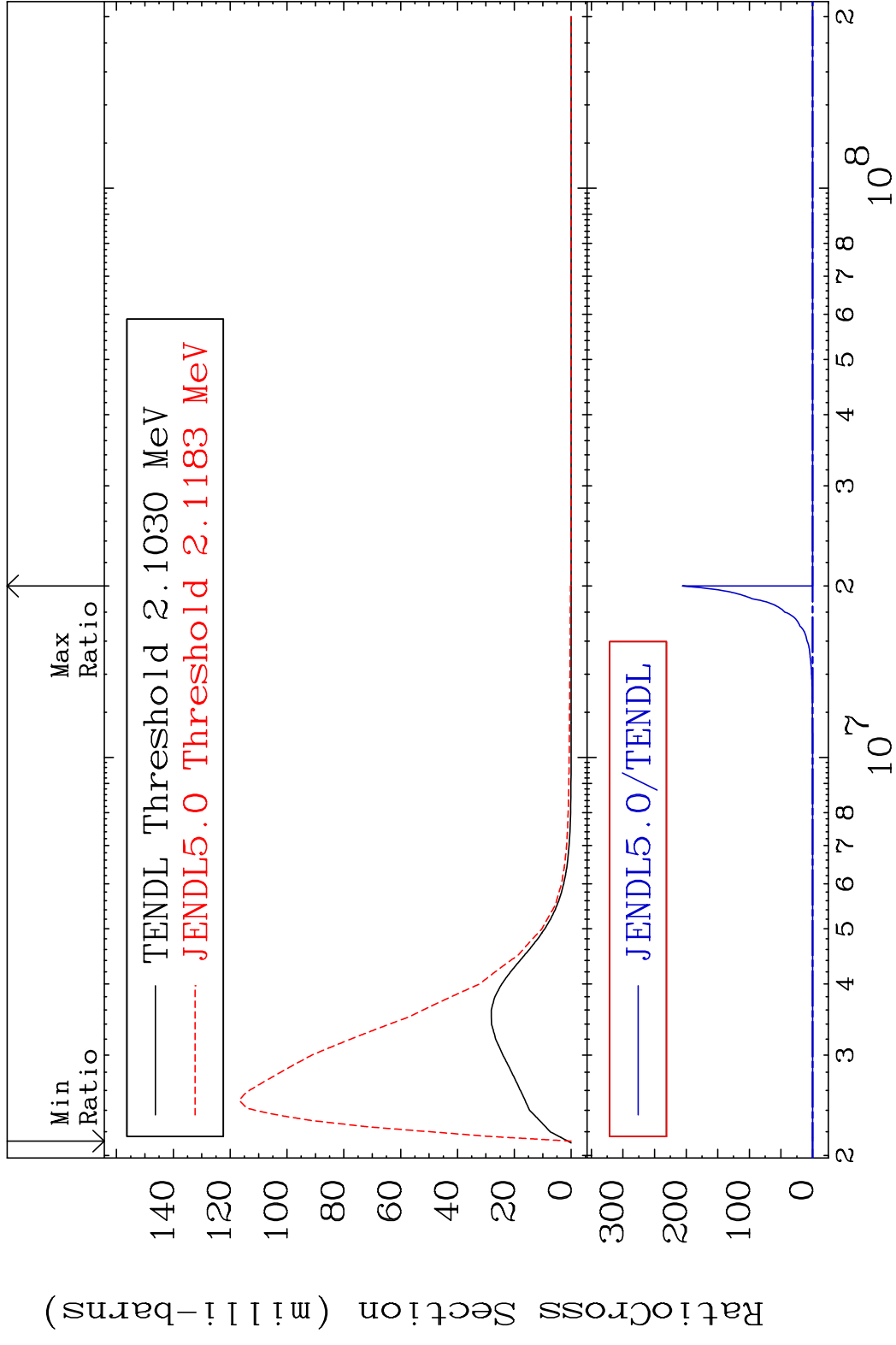


MAT 4643 MT= 64 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 5.055 %

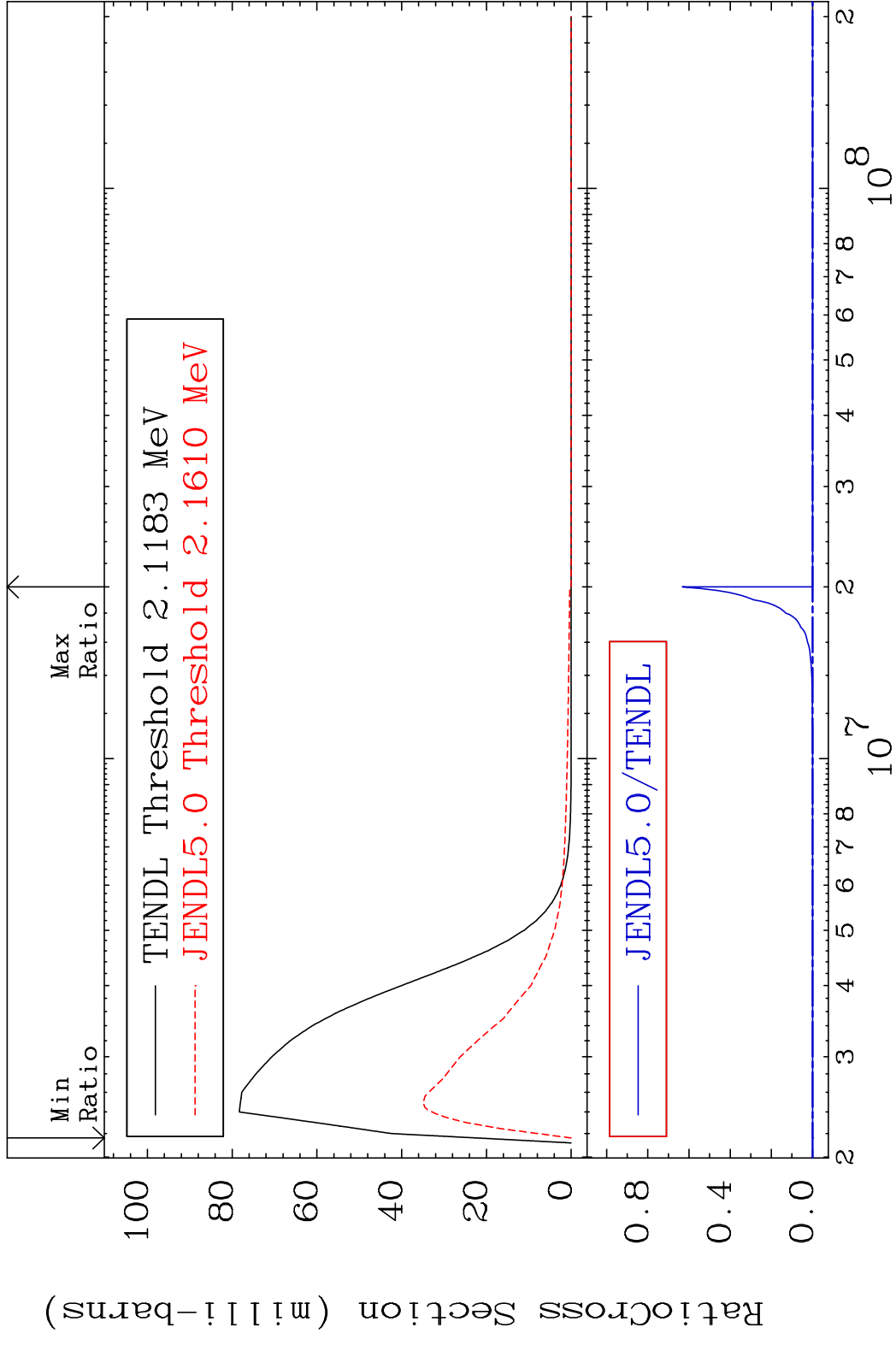


22 Incident Energy (eV) 46-Pd-108

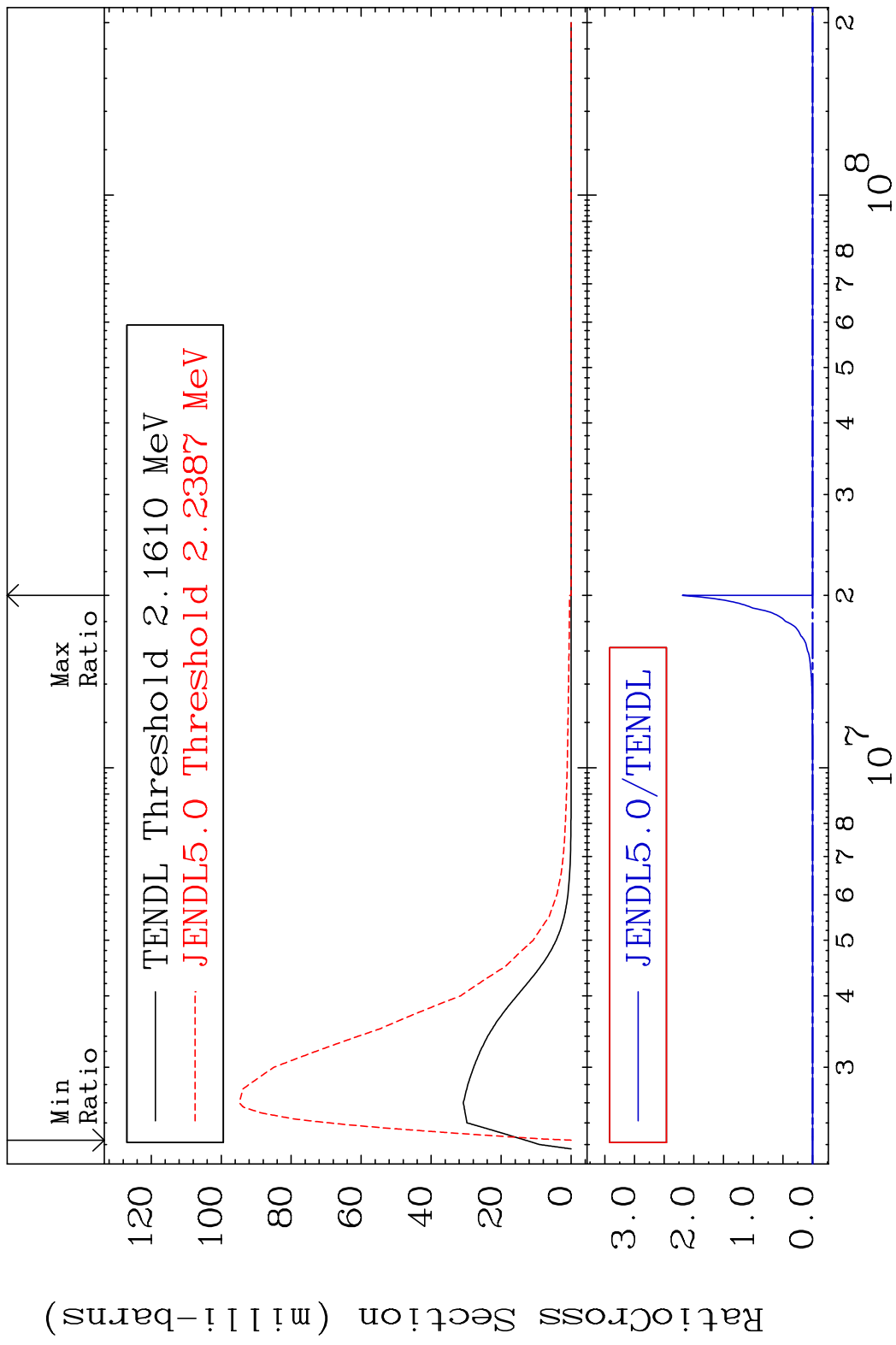
MAT 4643 MT= 65 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %



MAT 4643 MT= 66 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %

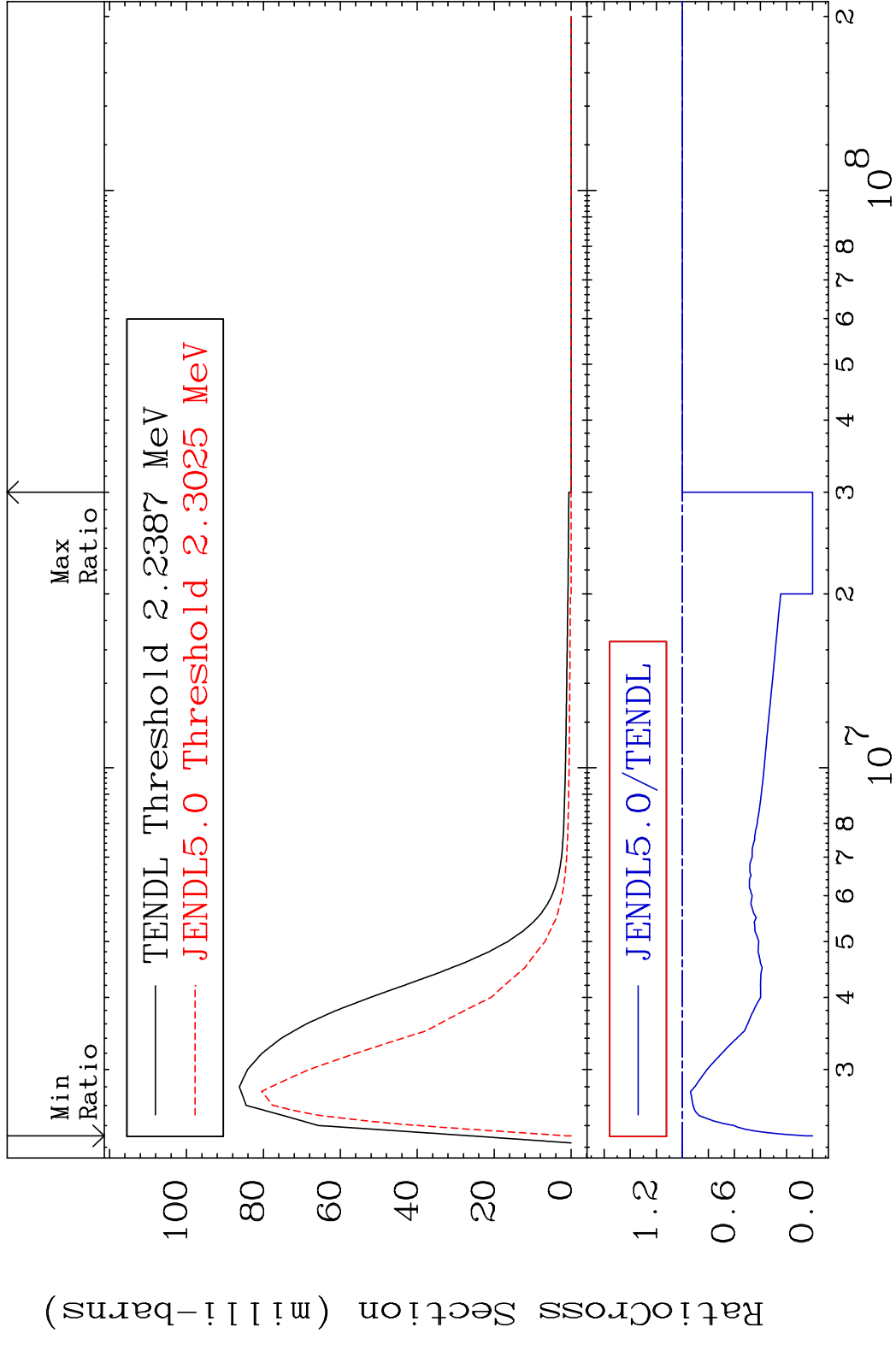


MAT 4643 MT= 67 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %

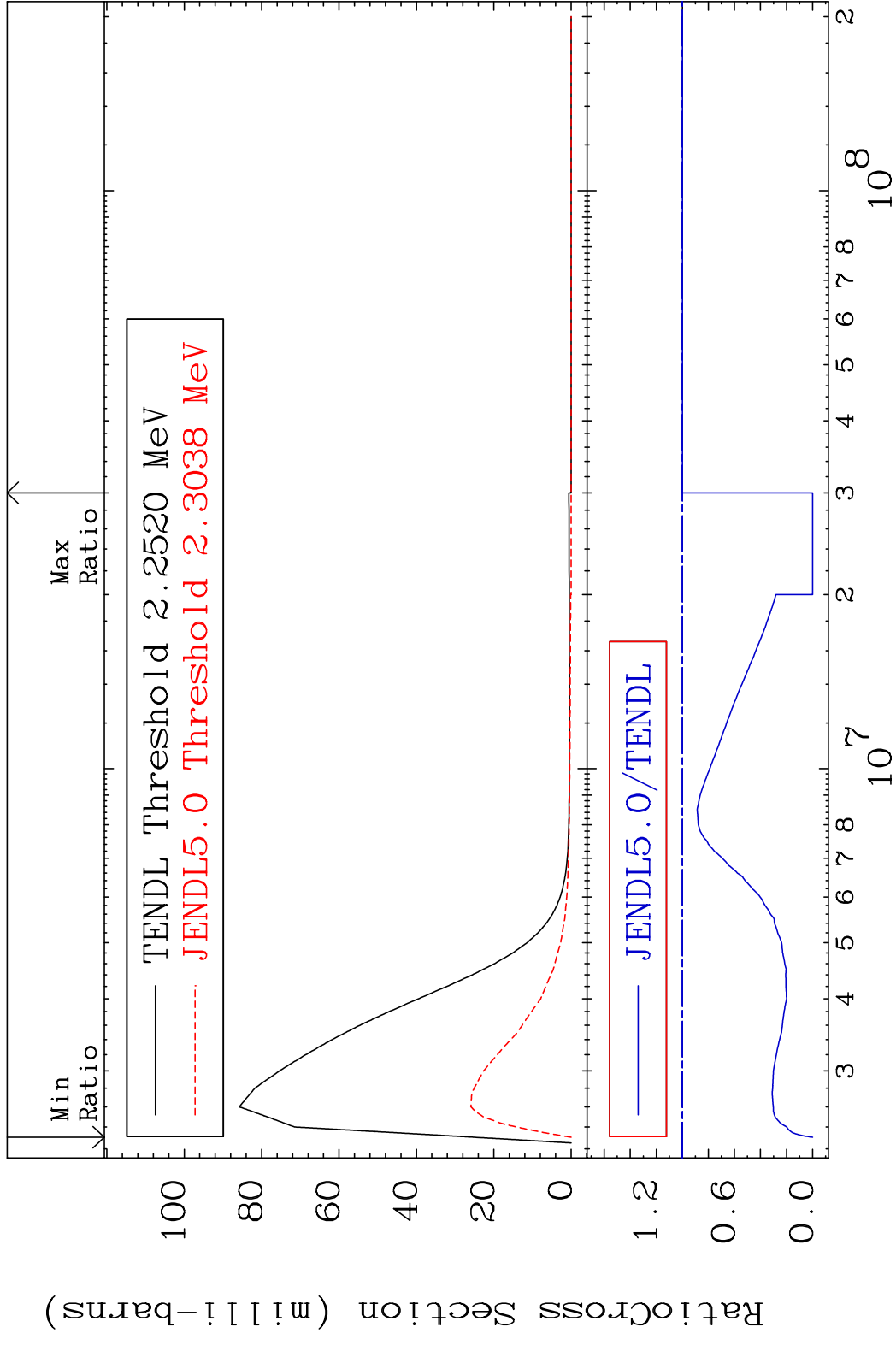


25 Incident Energy (eV) 46-Pd-108

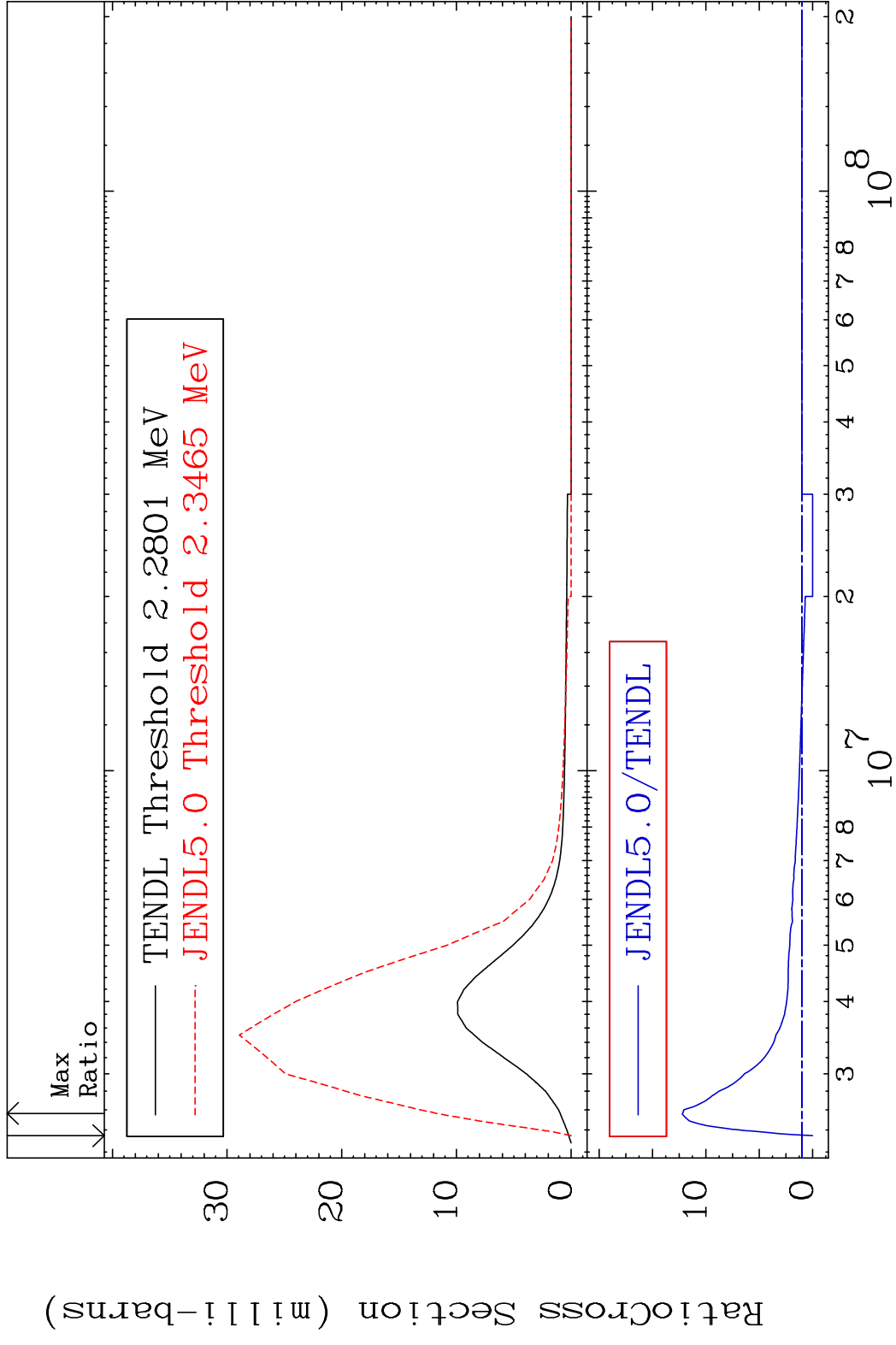
MAT 4643 MT= 68 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 0.000 %



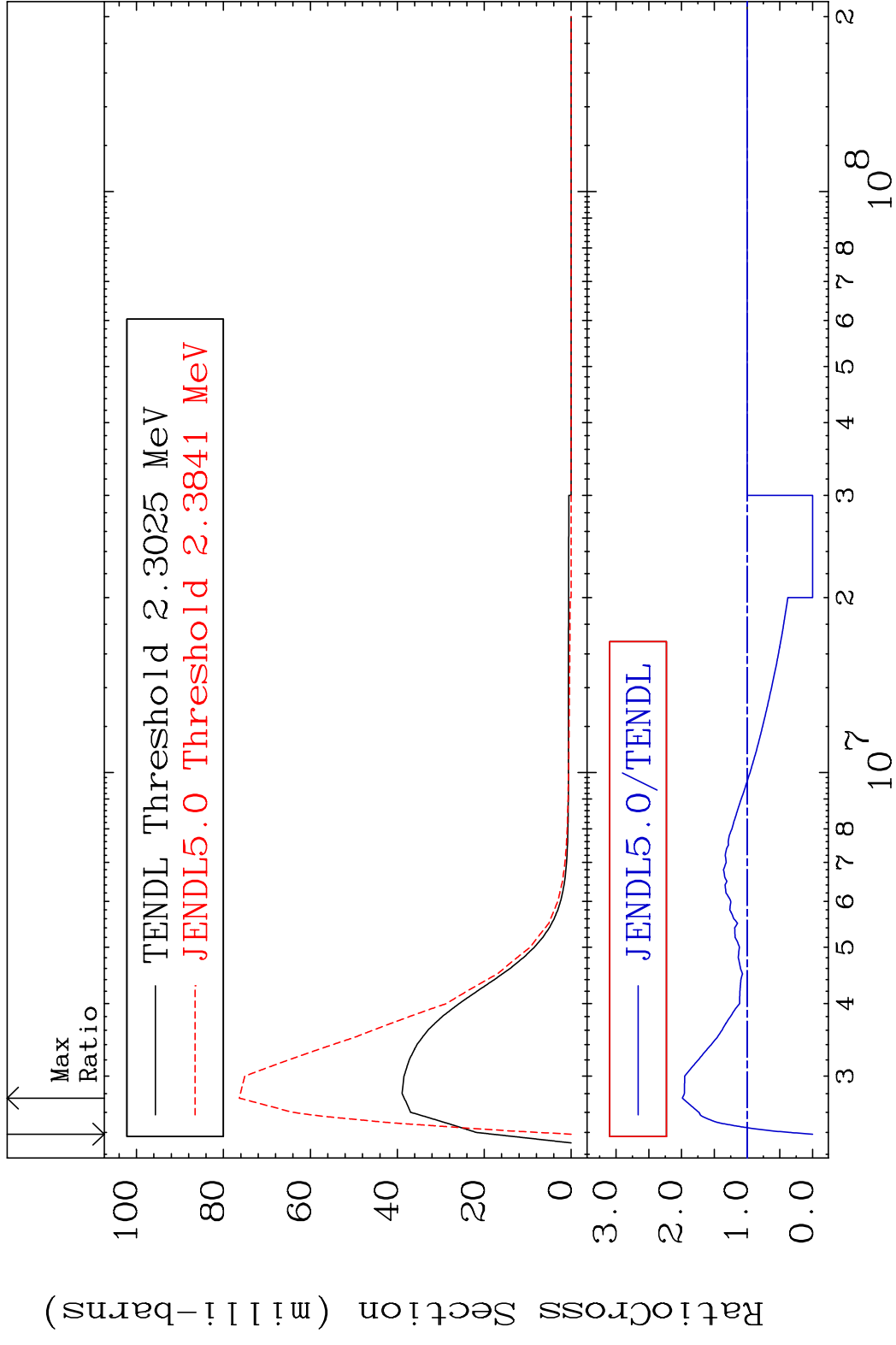
MAT 4643 MT= 69 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 0.000 %



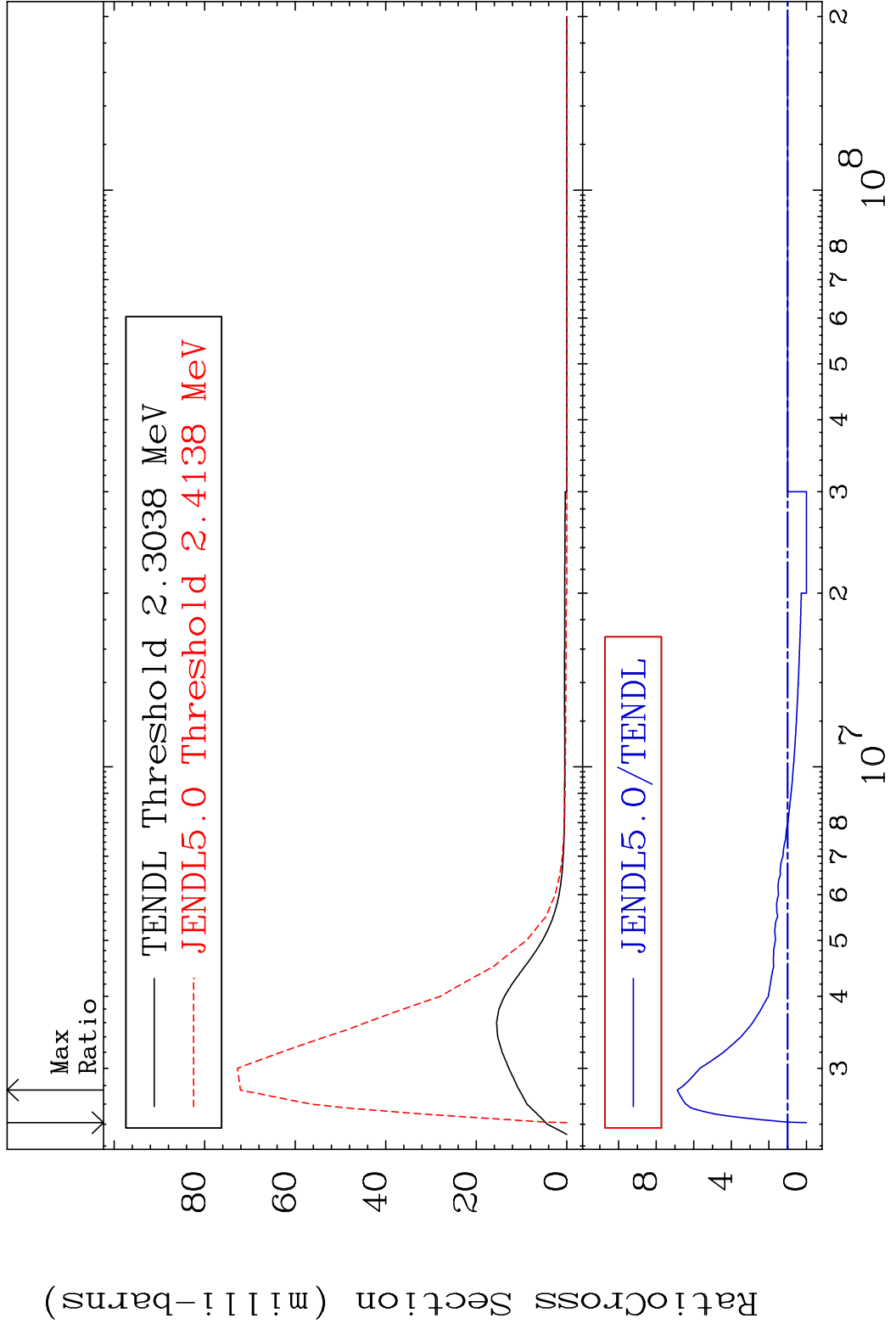
MAT 4643 MT= 70 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 1120. %



MAT 4643 MT= 71 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 98.81 %

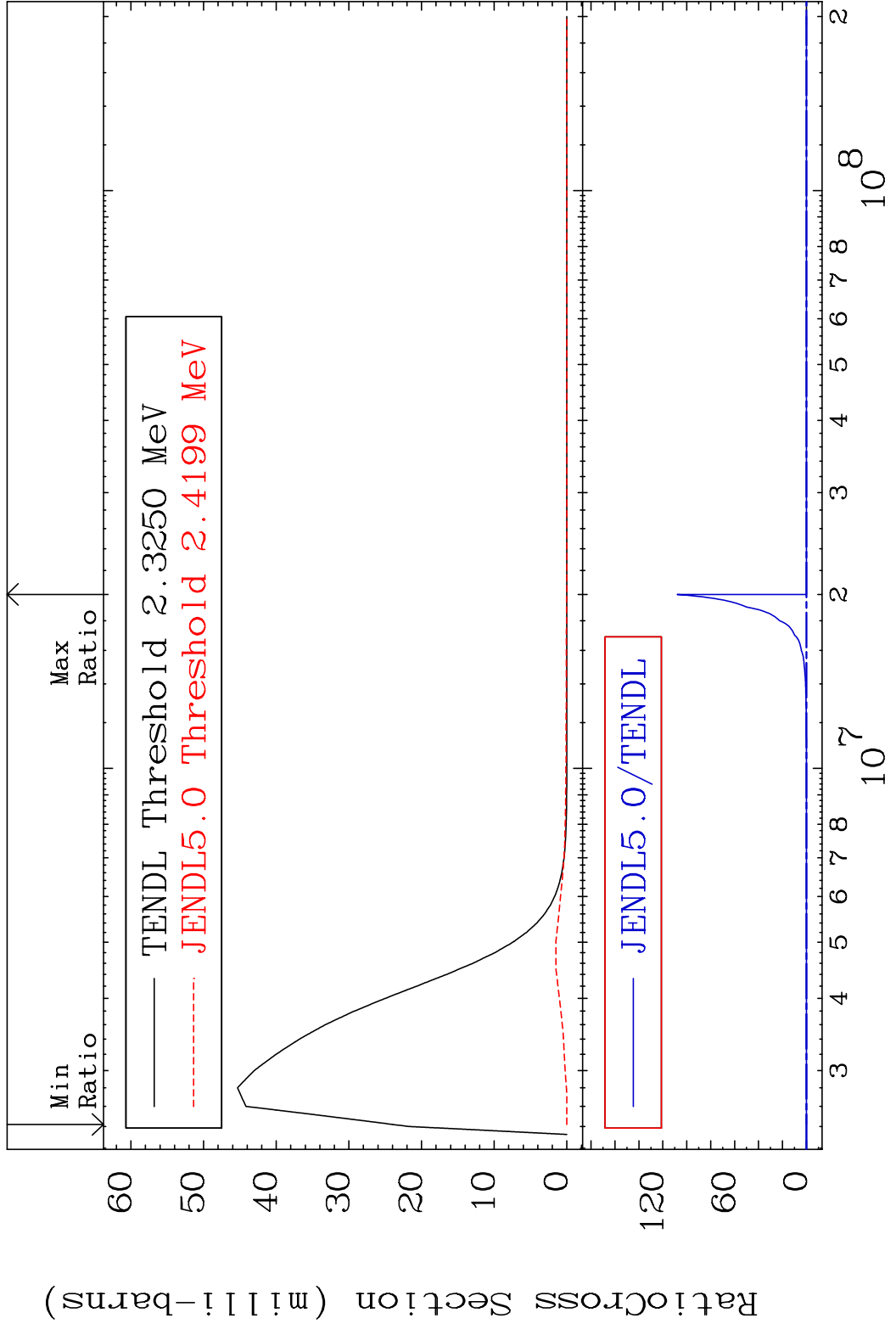


MAT 4643 MT= 72 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 587.9 %

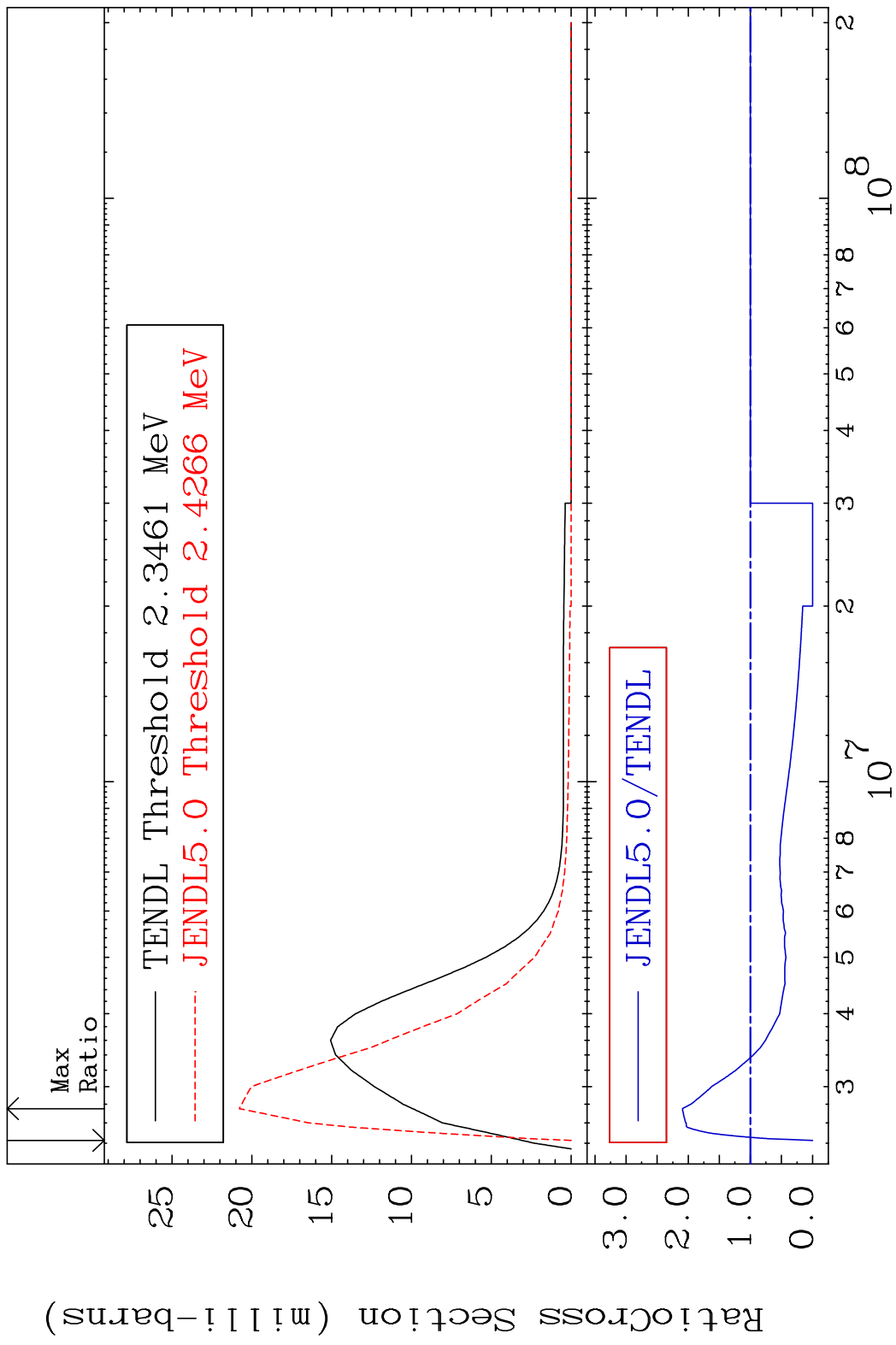


30 46-Pd-108

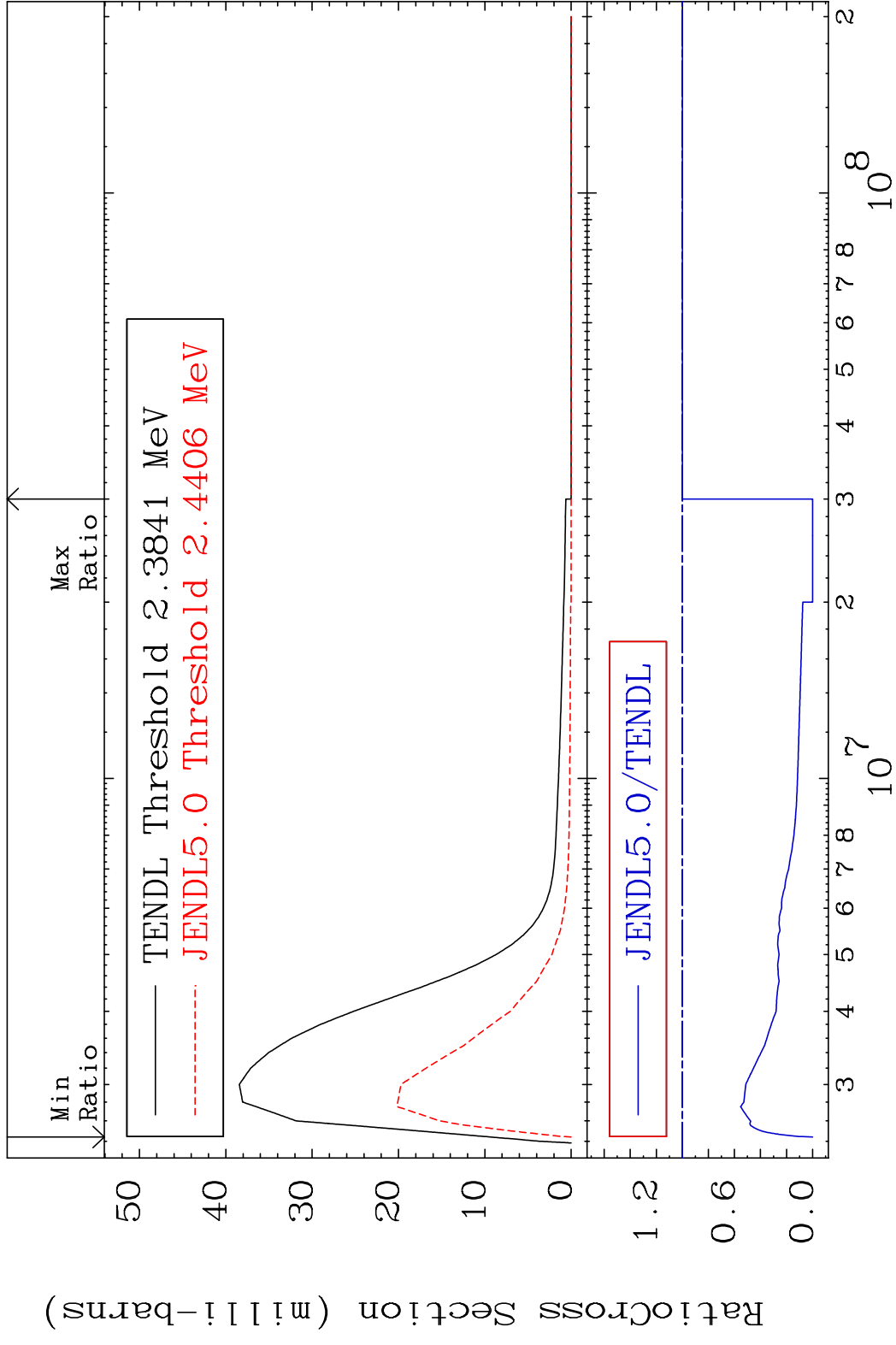
MAT 4643 MT= 73 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %



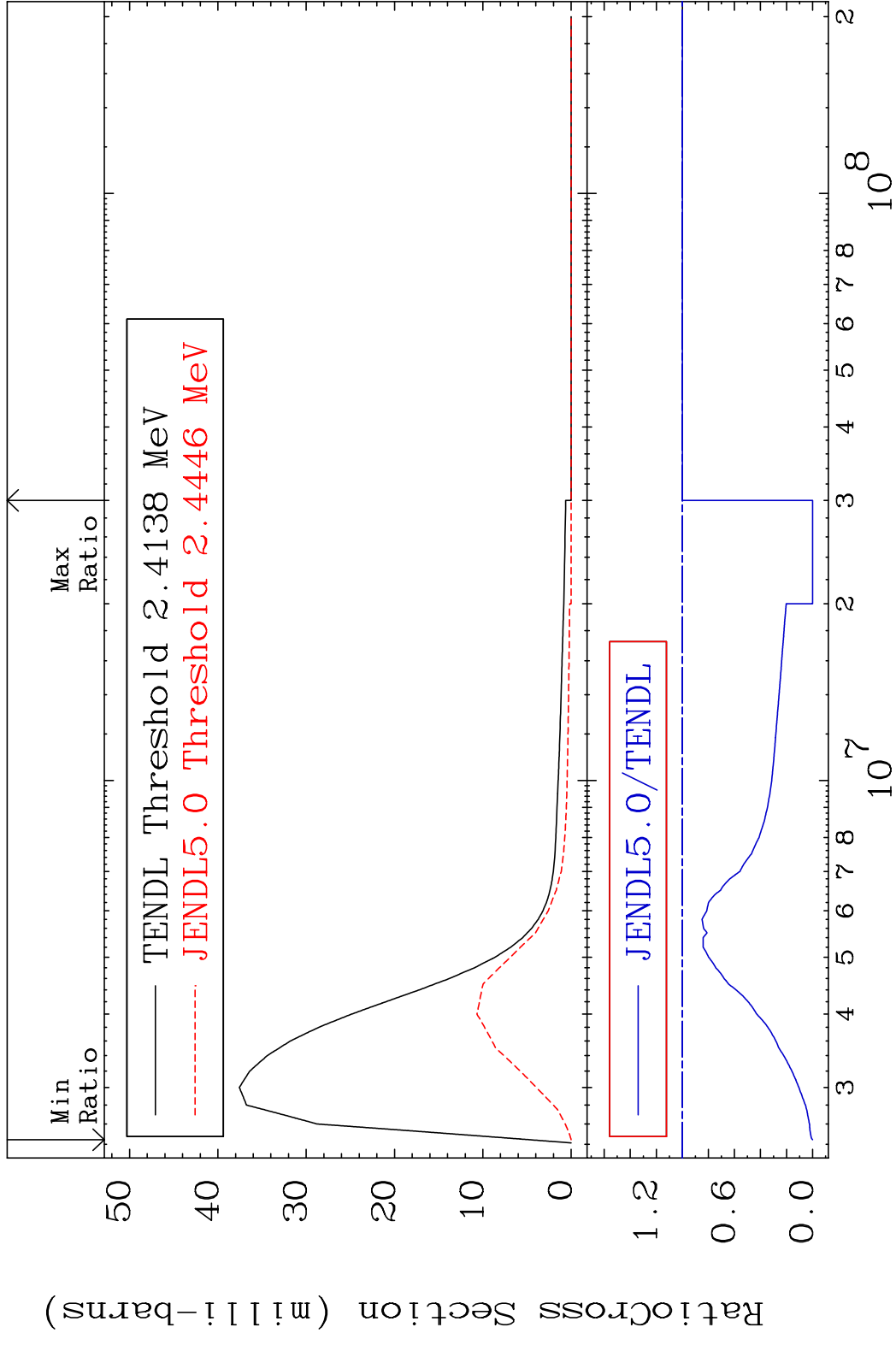
MAT 4643 MT= 74 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 109.5 %



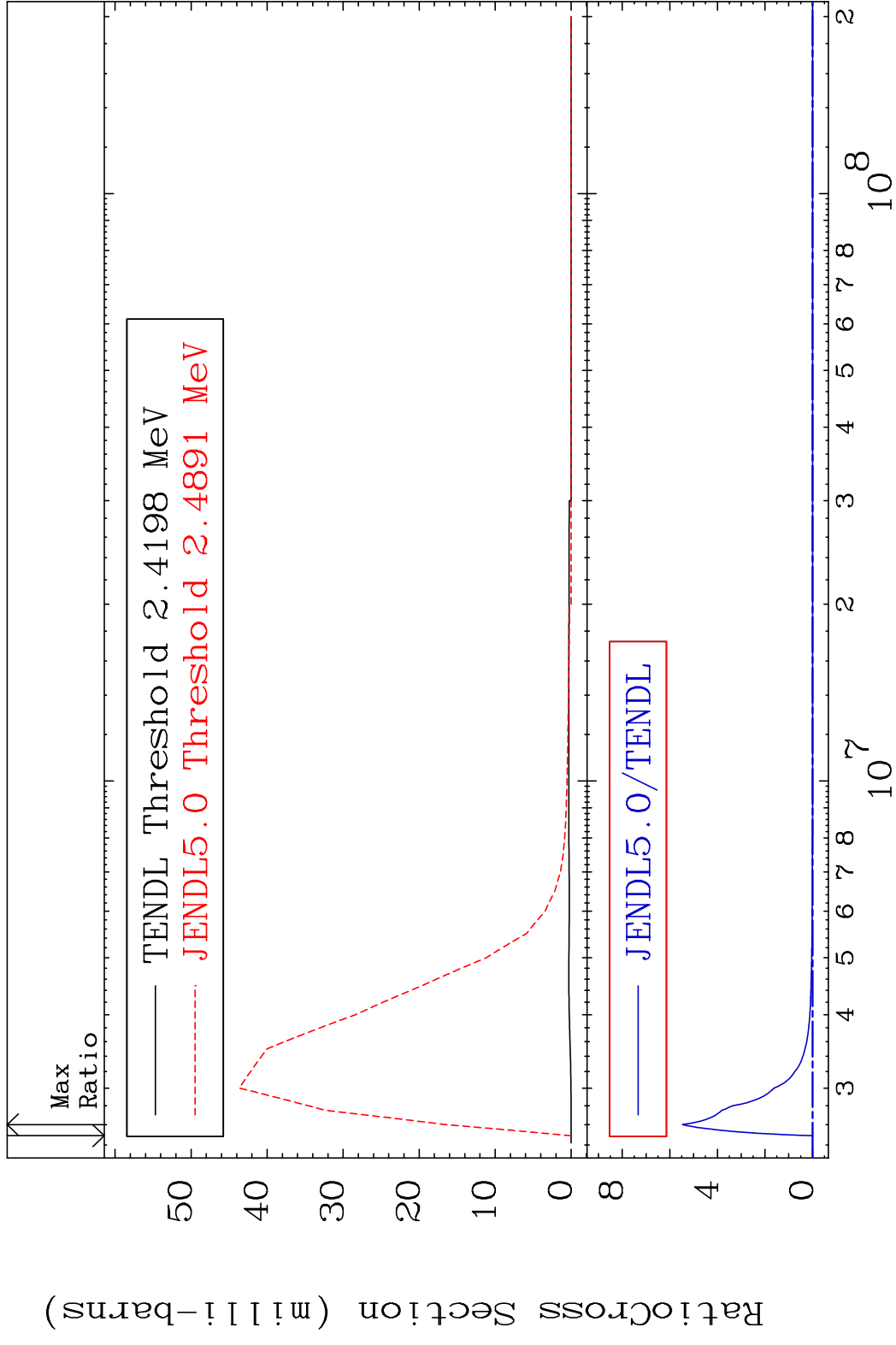
MAT 4643 MT= 75 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 0.000 %



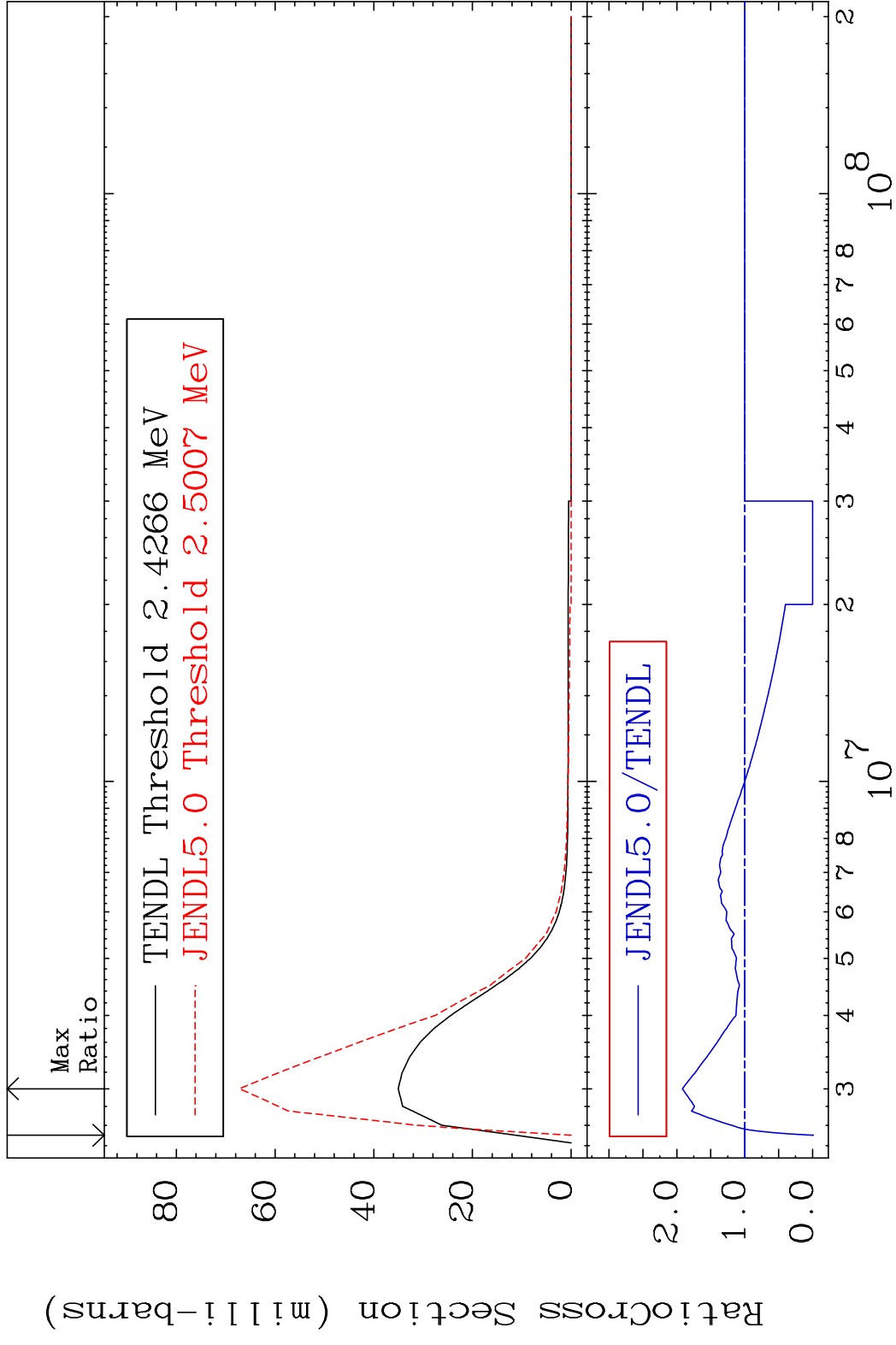
MAT 4643 MT= 76 (n, n') Level 46-Pd-108
 Cross Section -100.0 To 0.000 %



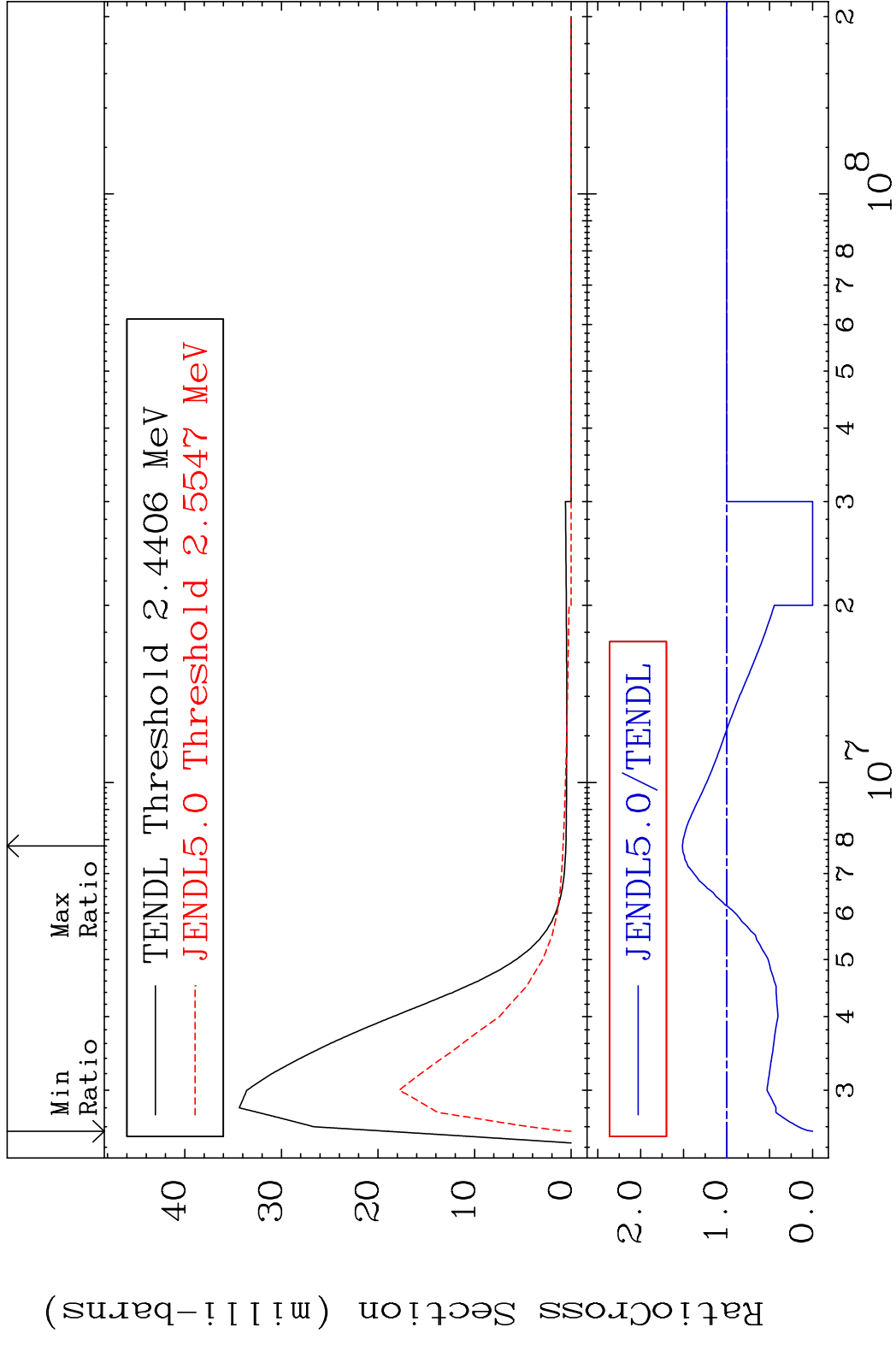
MAT 4643 MT= 77 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 9999. %



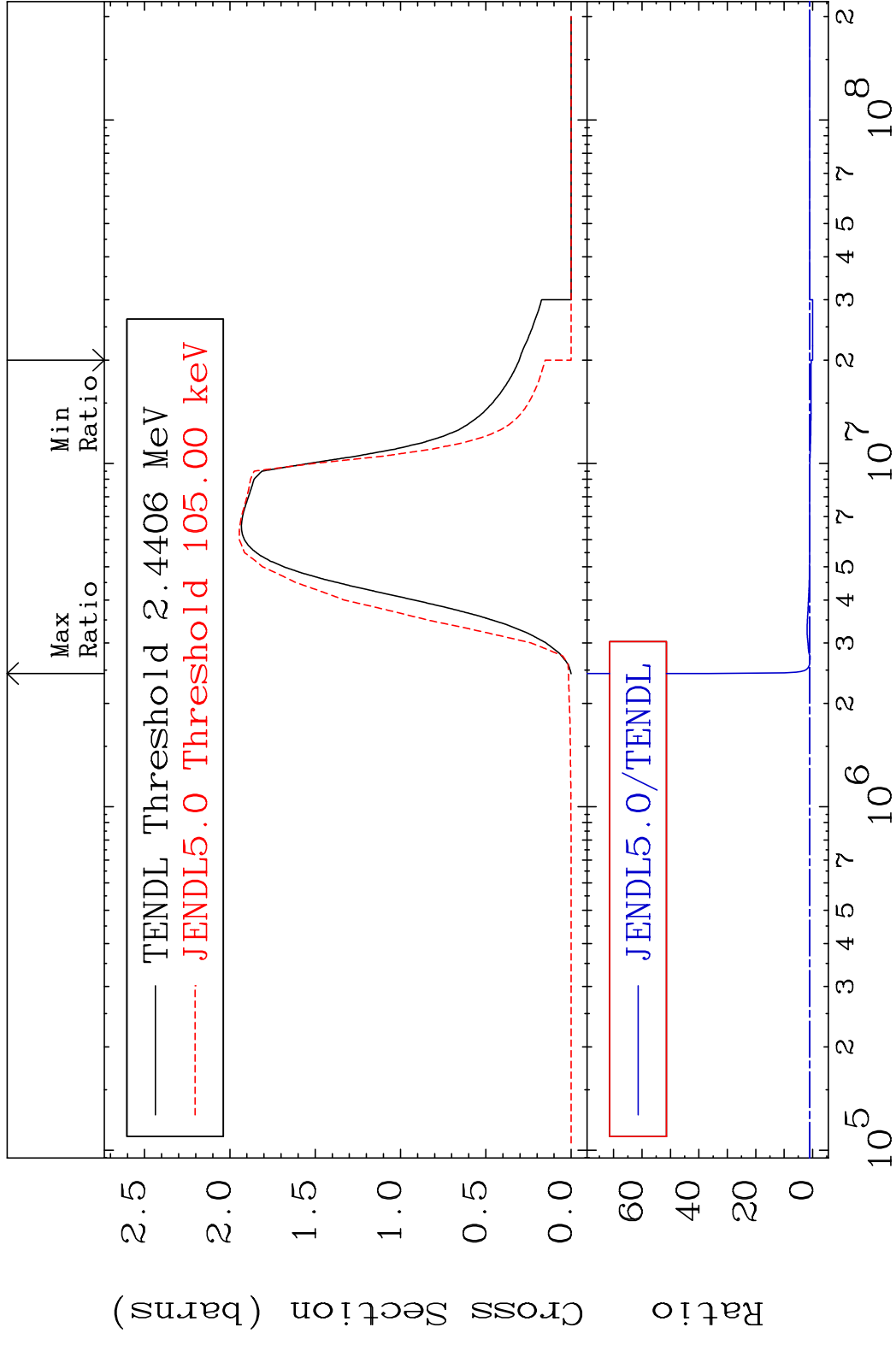
MAT 4643 MT= 78 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 91.82 %



MAT 4643 MT= 79 (n,n') Level 46-Pd-108
 Cross Section -100.0 To 51.49 %



MAT 4643 (n, n') Continuum 46-Pd-108
 Cross Section -100.0 To 4481. %

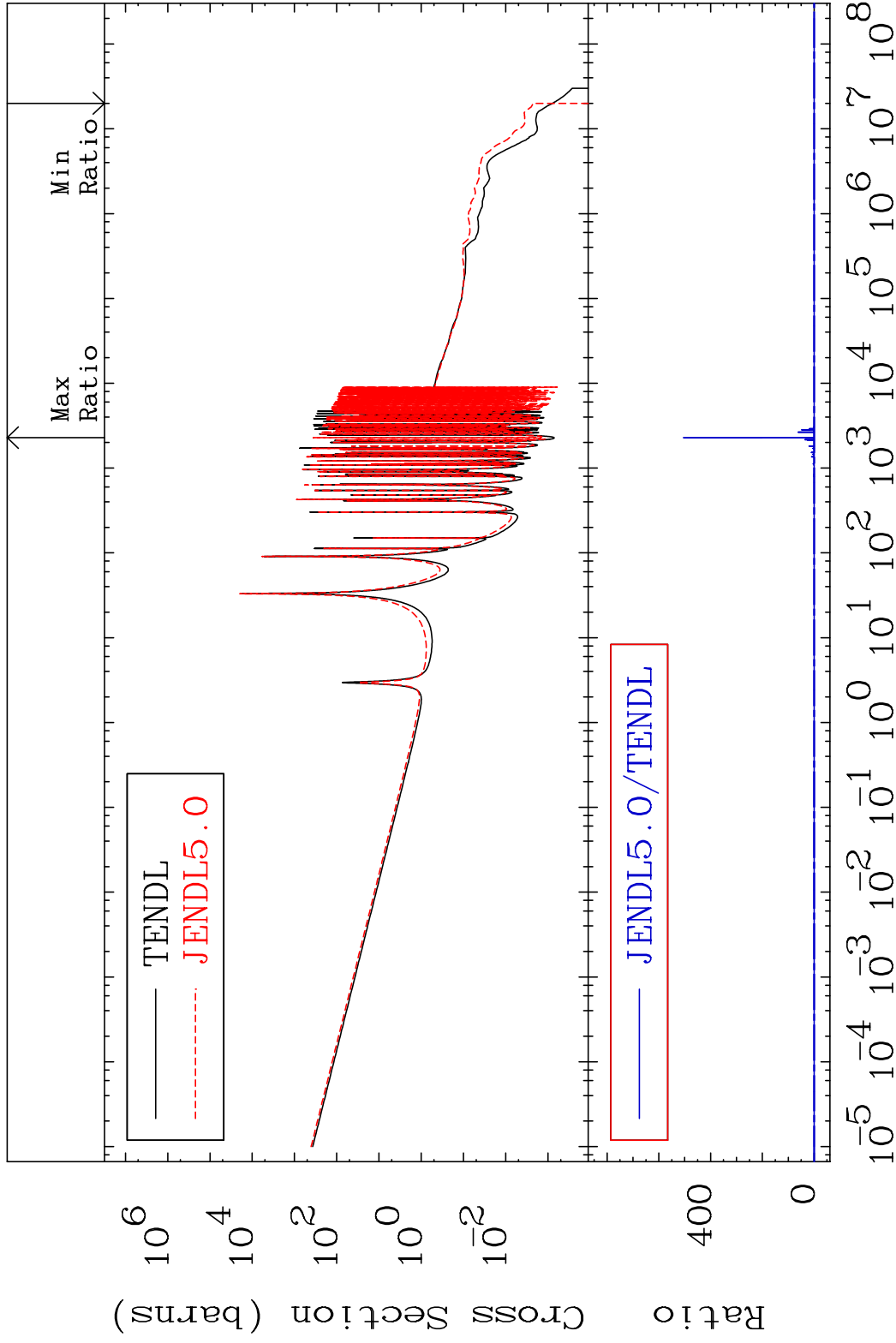


MAT 4643

(n, γ)

46-Pd-108

Cross Section -100.0 To 9999. %

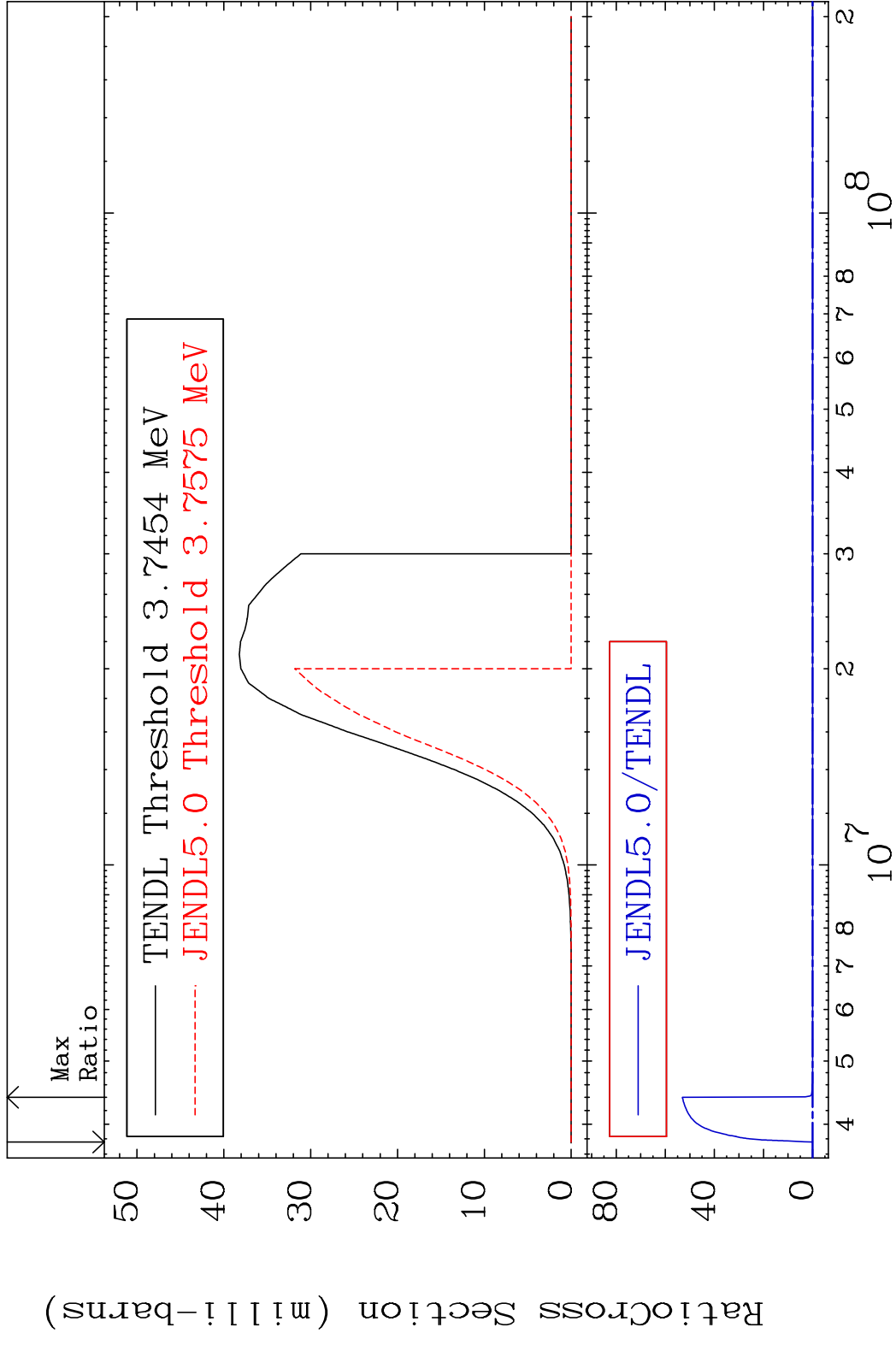


39

Incident Energy (eV)

46-Pd-108

MAT 4643 (n,p) 46-Pd-108
 Cross Section -100.0 To 9999. %



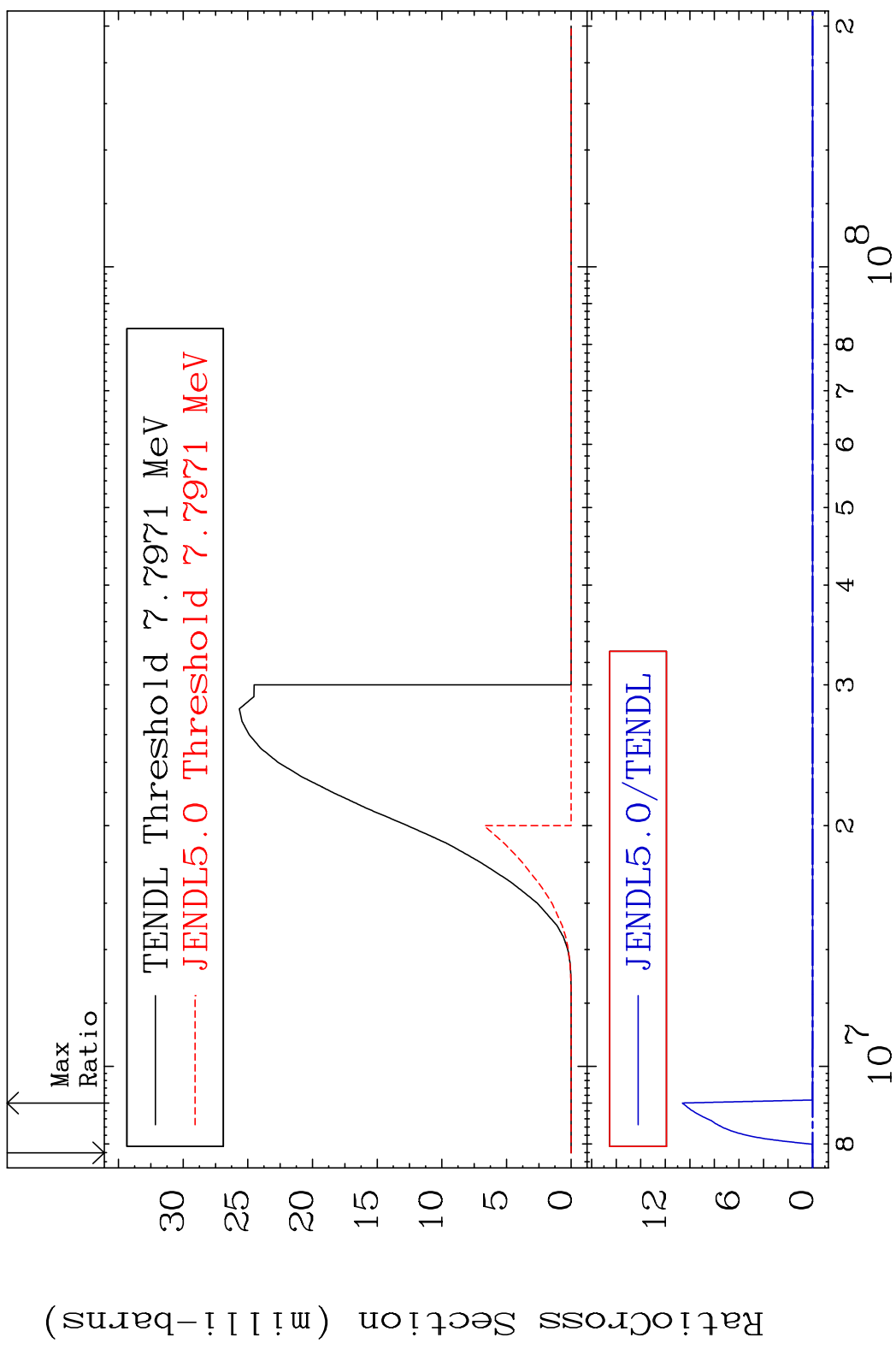
40 46-Pd-108

MAT 4643

(n,d)

46-Pd-108

Cross Section -100.0 To 9999. %

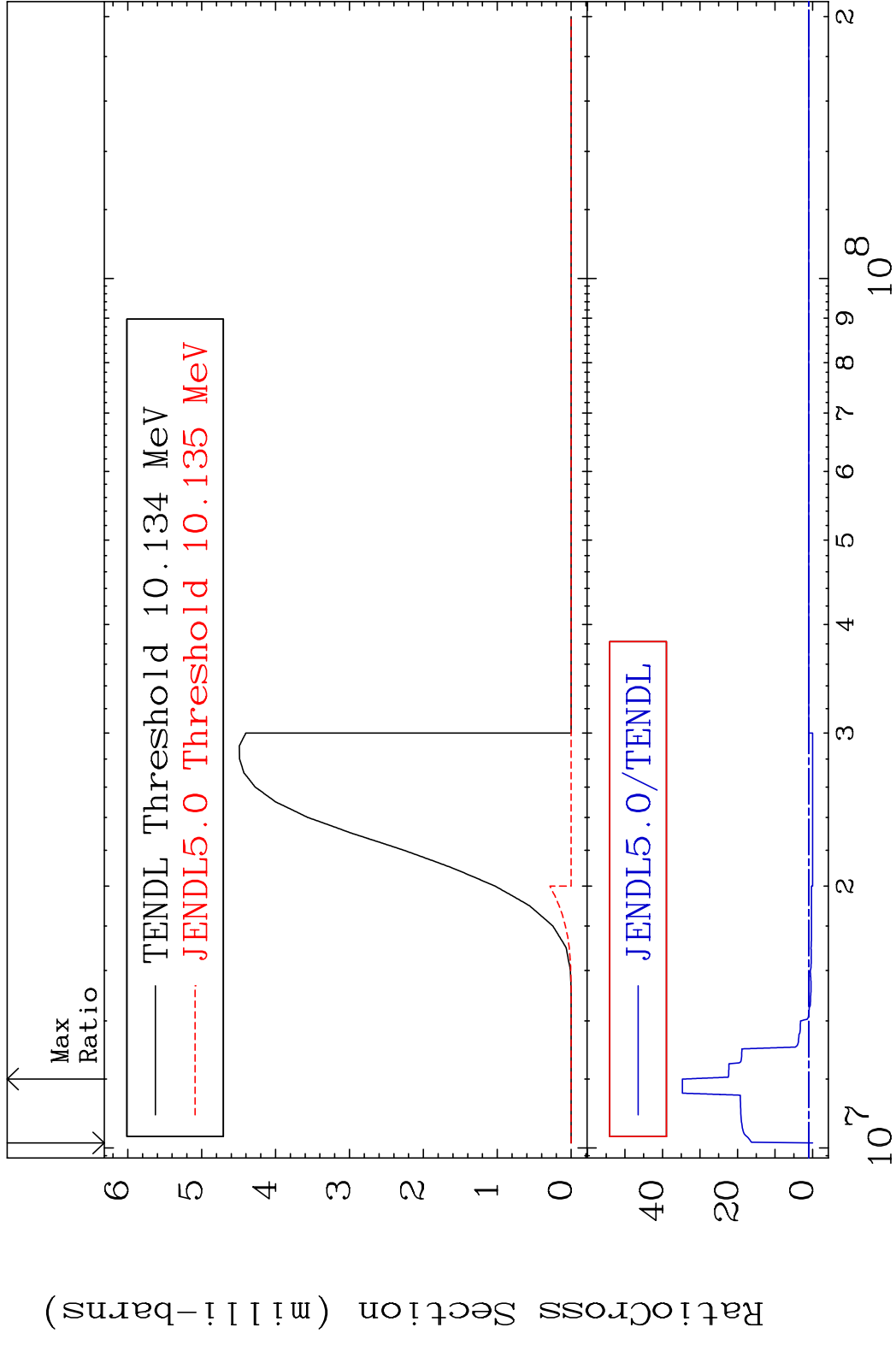


41

Incident Energy (eV)

46-Pd-108

MAT 4643 (n, t) 46-Pd-108
 Cross Section -100.0 To 3370. %



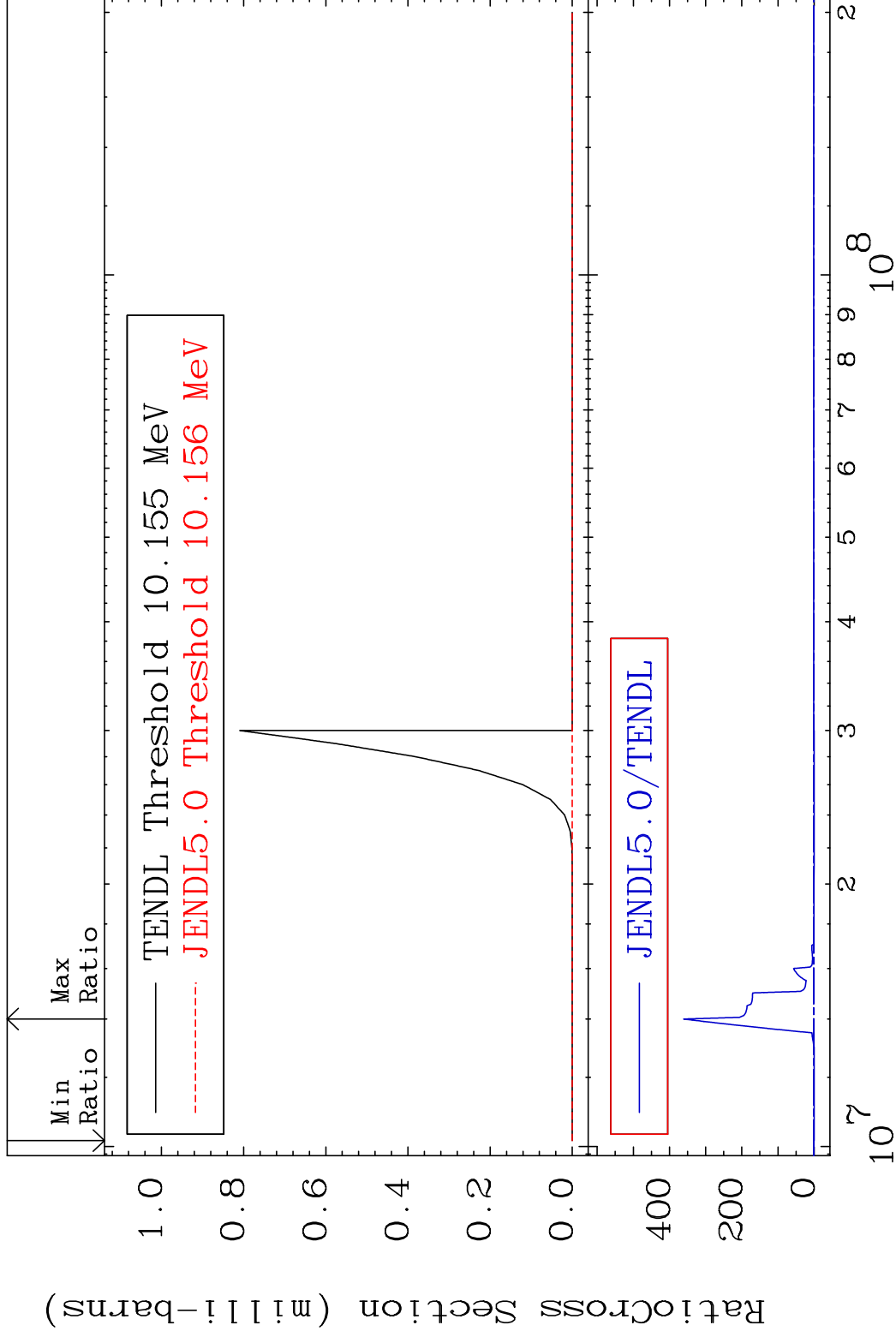
42 Incident Energy (eV) 46-Pd-108

MAT 4643

(n, He-3)

46-Pd-108

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

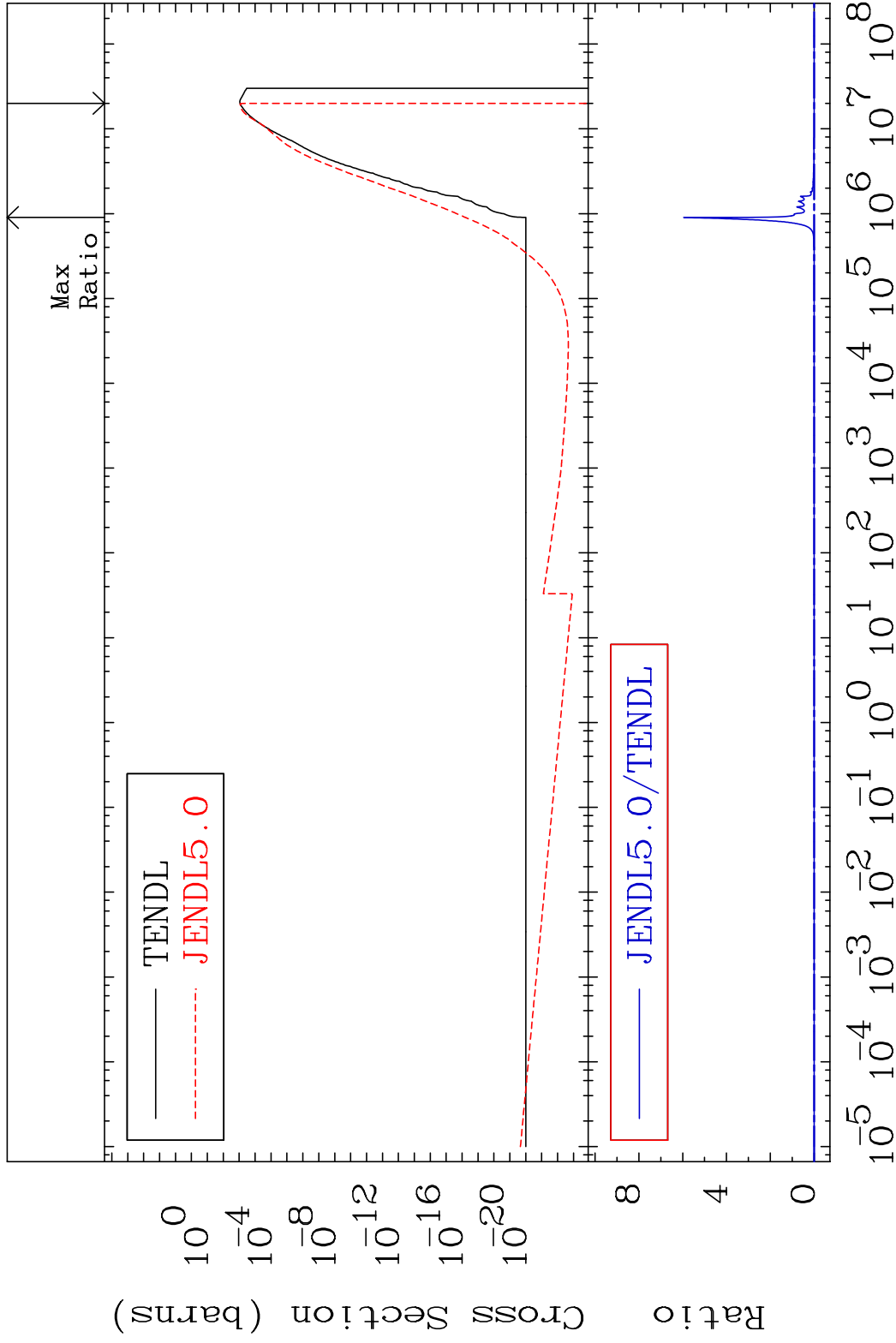
46-Pd-108

MAT 4643

(n, α)

46-Pd-108

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

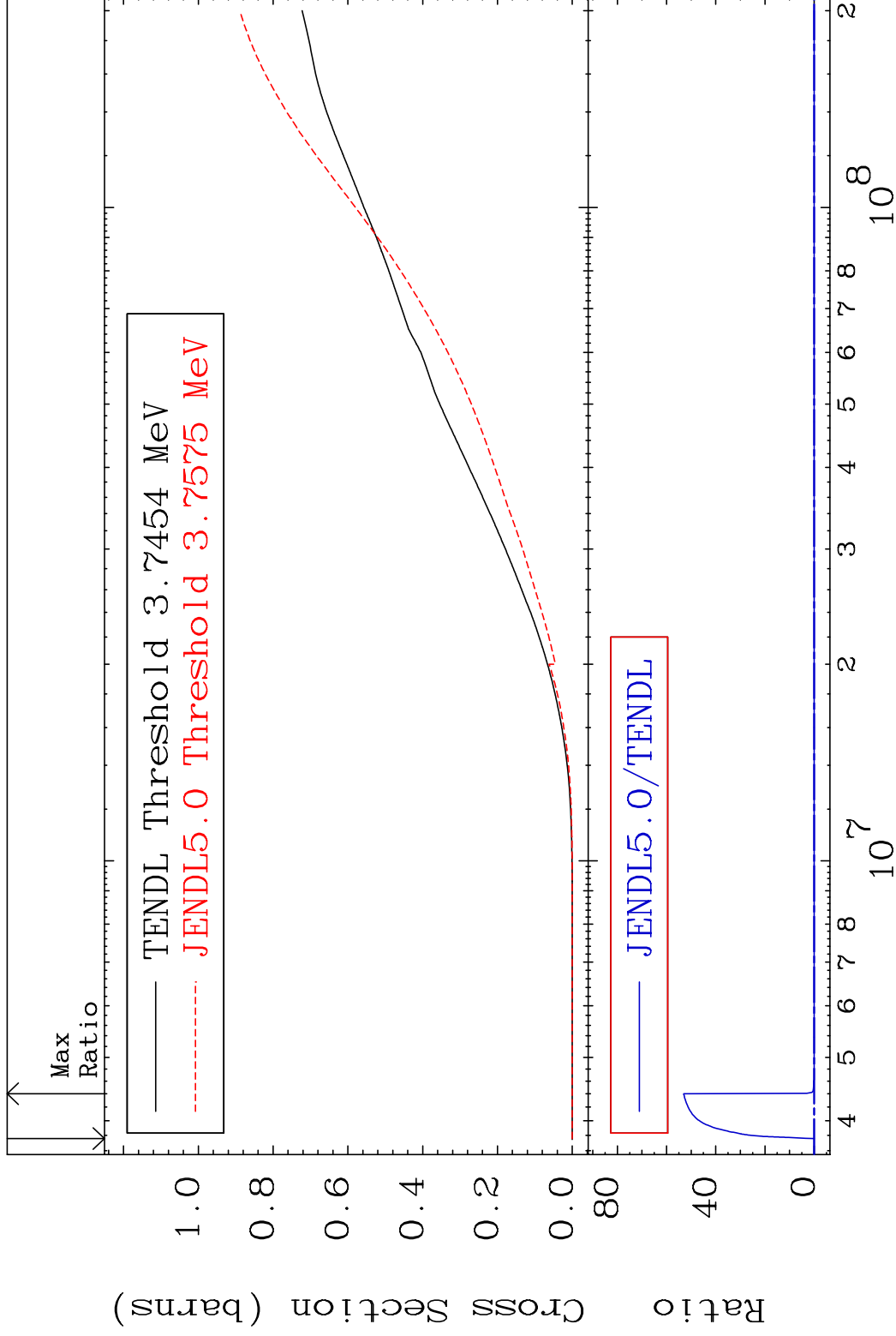
46-Pd-108

MAT 4643

Hydrogen Production

46-Pd-108

Cross Section -100.0 To 9999. %

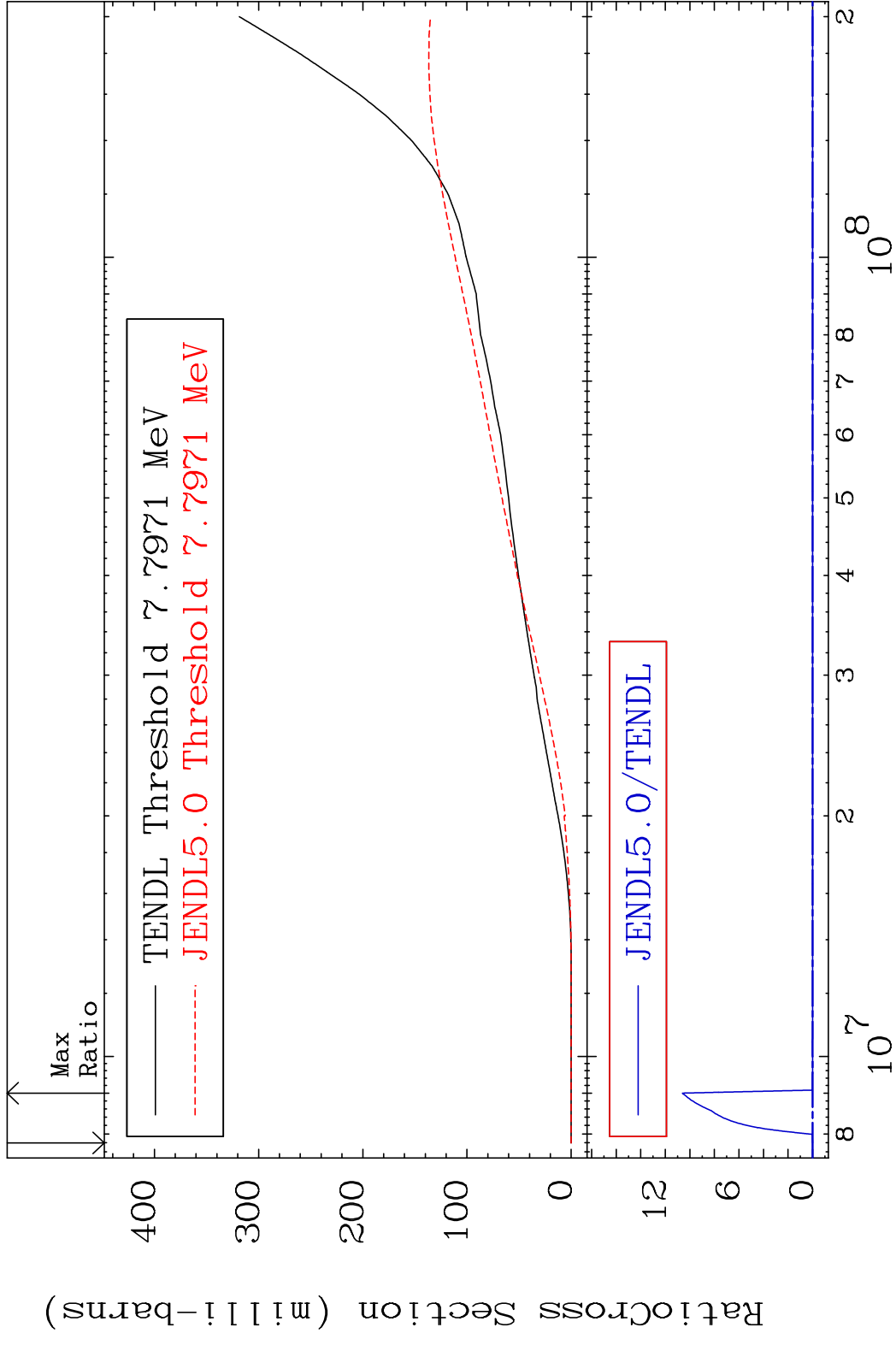


45

Incident Energy (eV)

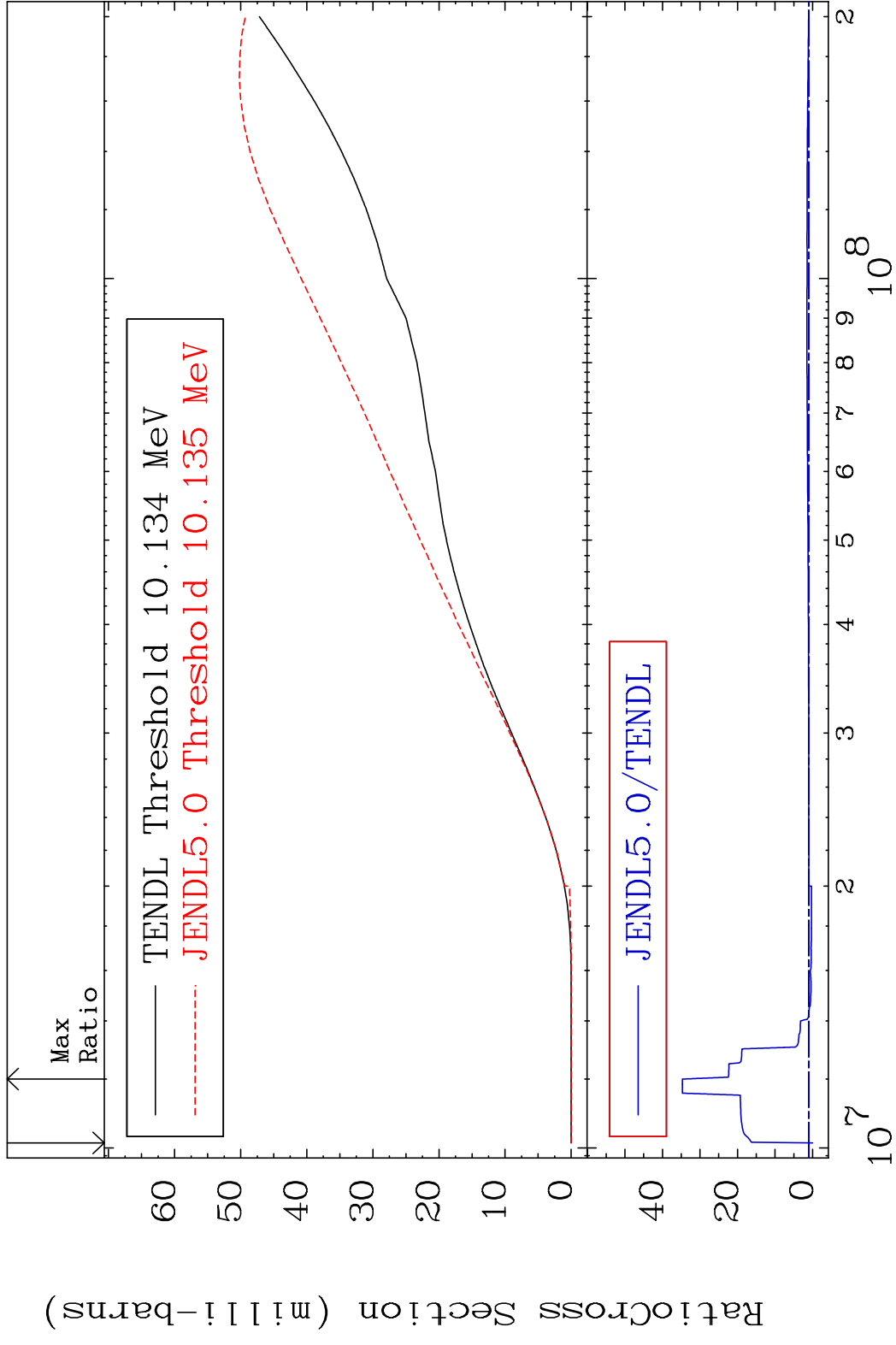
46-Pd-108

MAT 4643 Deuterium Production 46-Pd-108
 Cross Section -100.0 To 9999. %



46 46-Pd-108

MAT 4643 Tritium Production 46-Pd-108
 Cross Section -100.0 To 3370. %



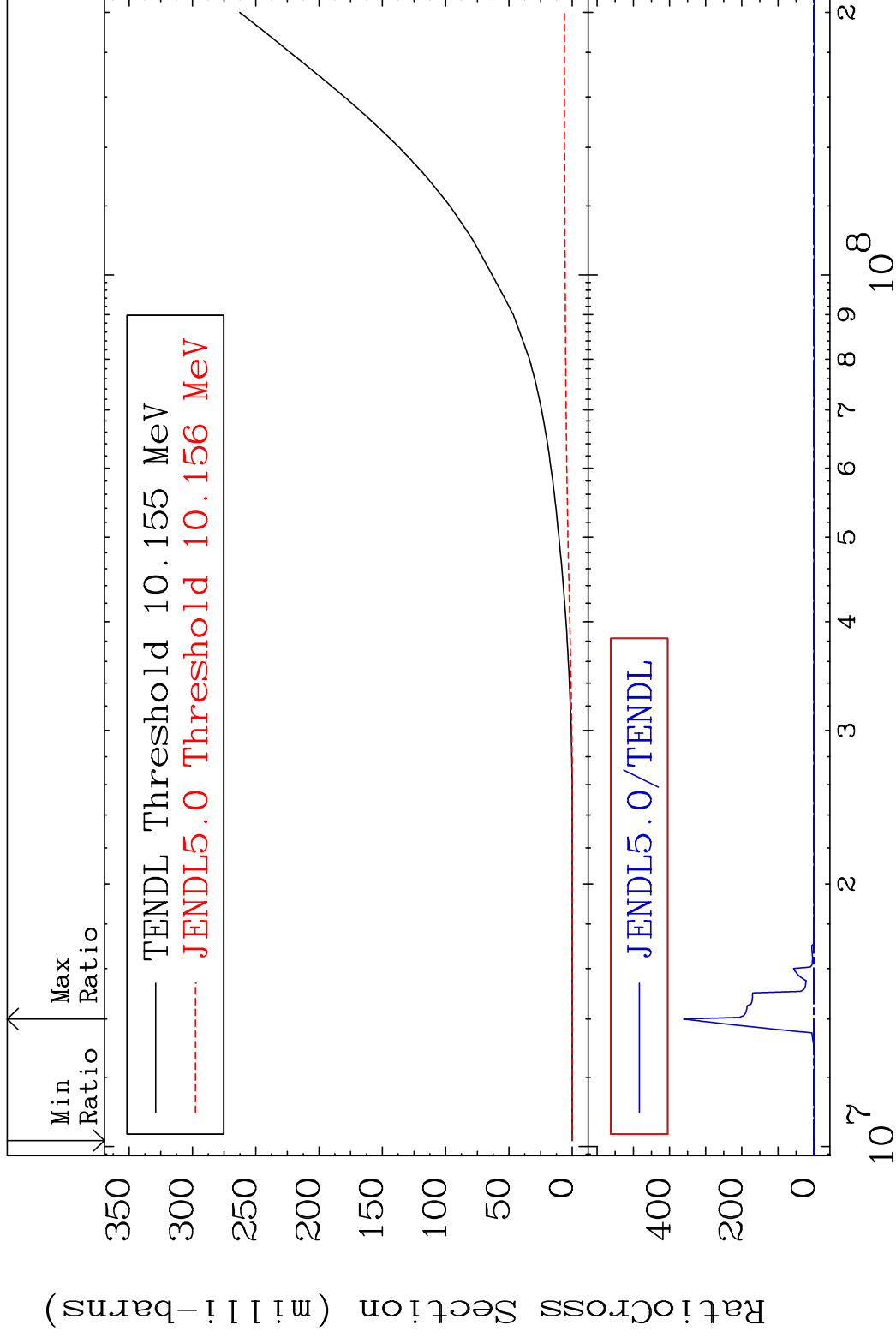
47 46-Pd-108

MAT 4643

He-3 Production

46-Pd-108

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

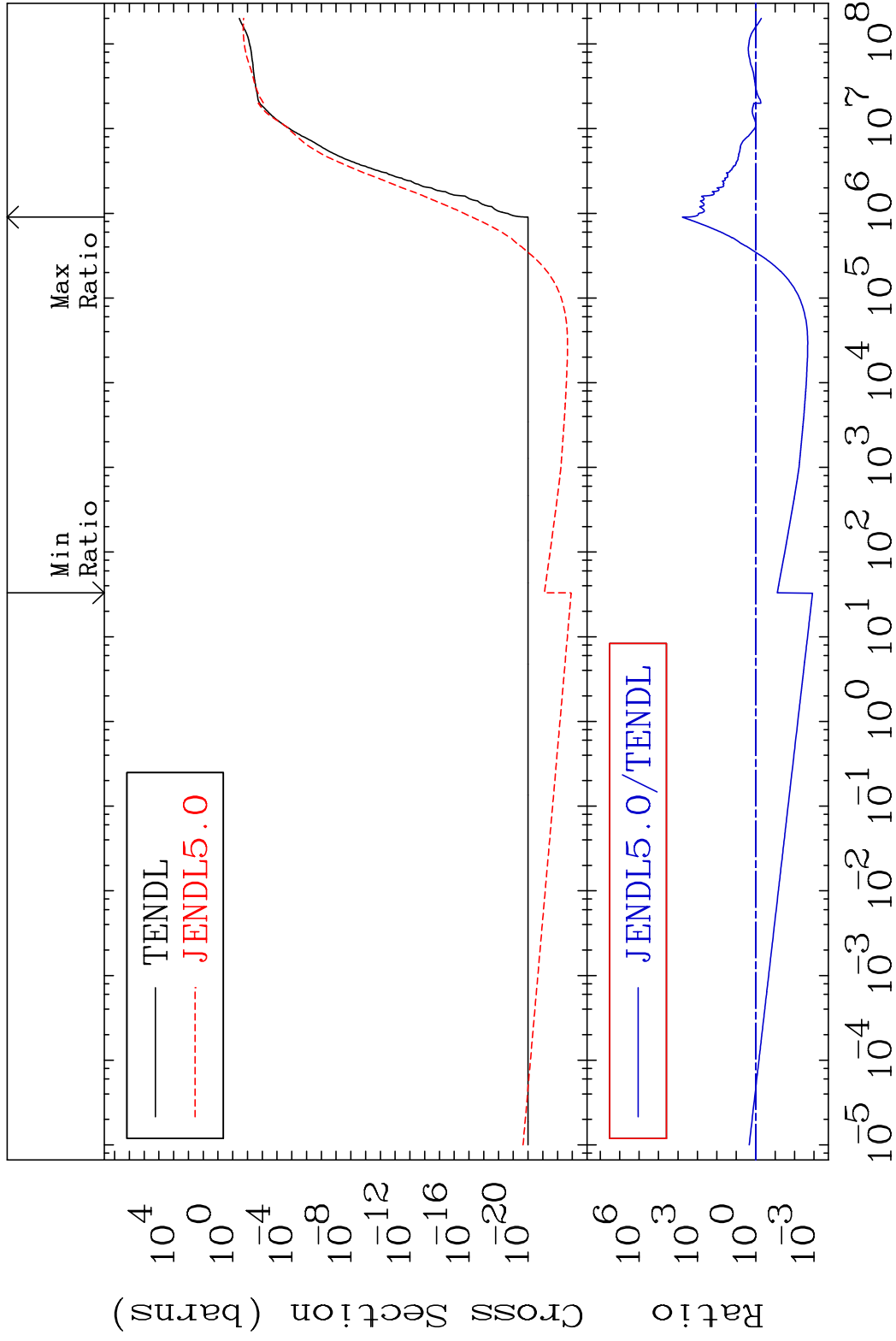
46-Pd-108

MAT 4643

He-4 Production

46-Pd-108

Cross Section -99.88 To 9999. %

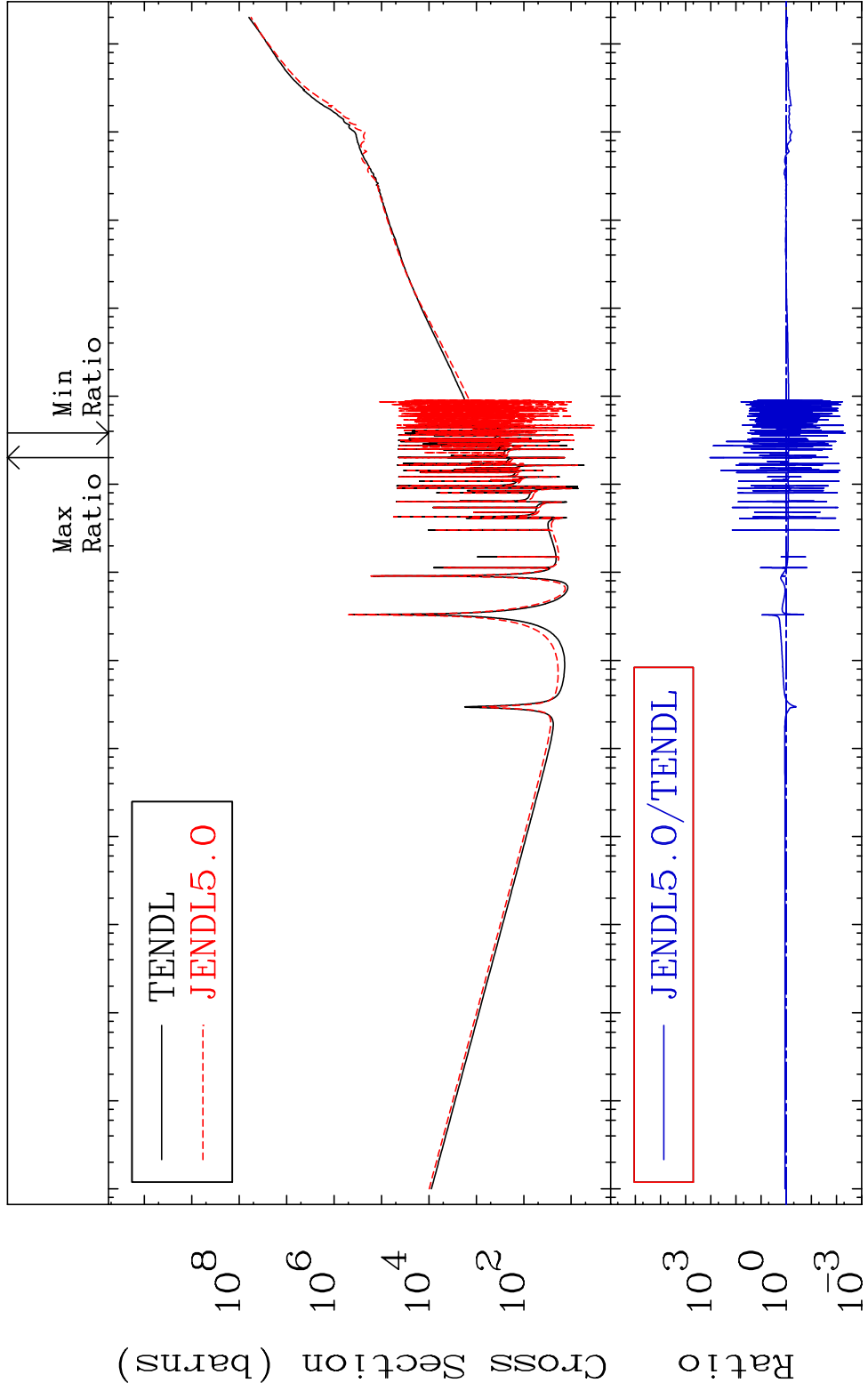


49

Incident Energy (eV)

46-Pd-108

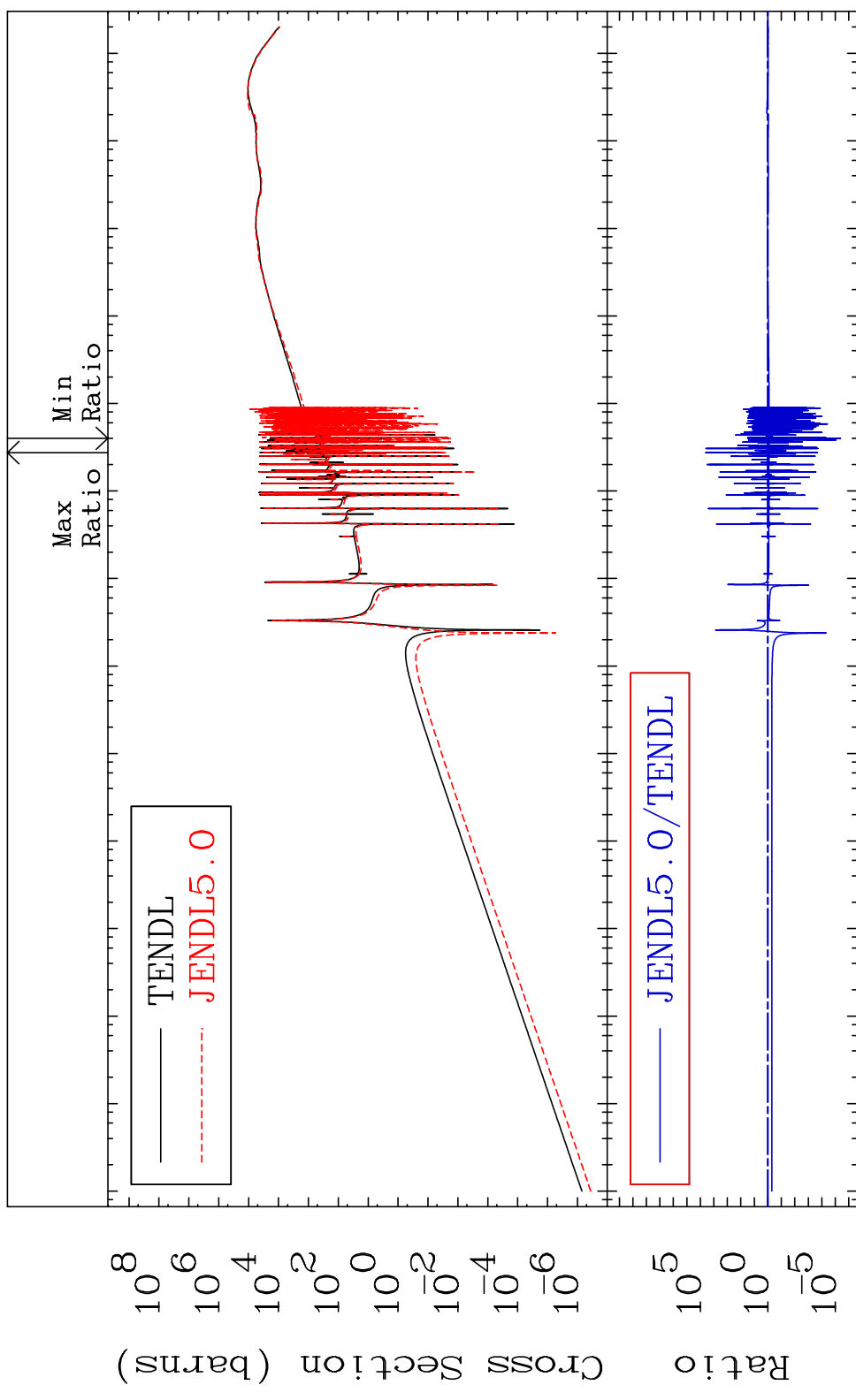
MAT 4643 Kerma total (eV-barns) 46-Pd-108
 Cross Section -99.55 To 9999. %



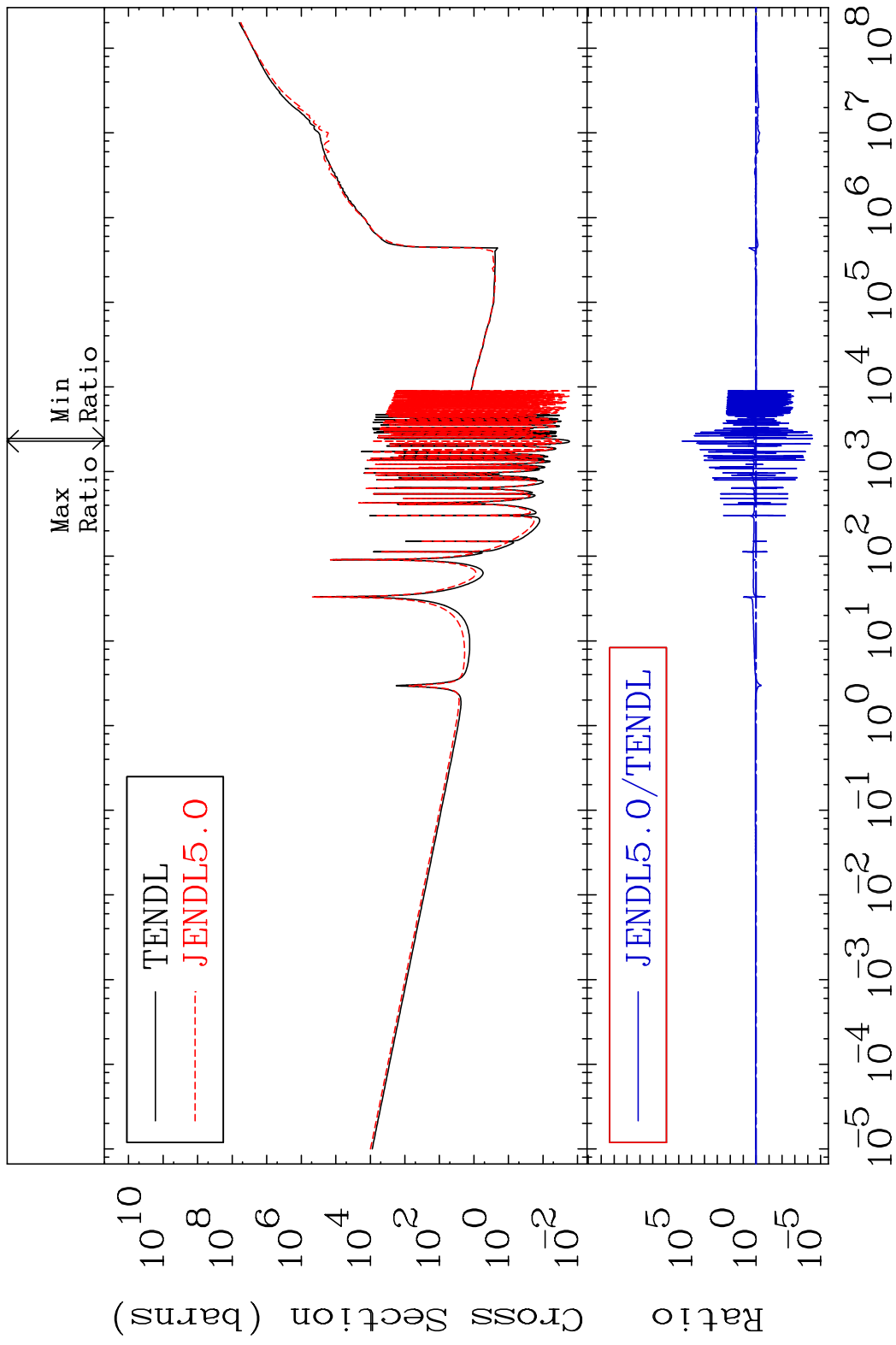
MAT 4643

Kerma elastic
Cross Section -100.0 To 9999. %

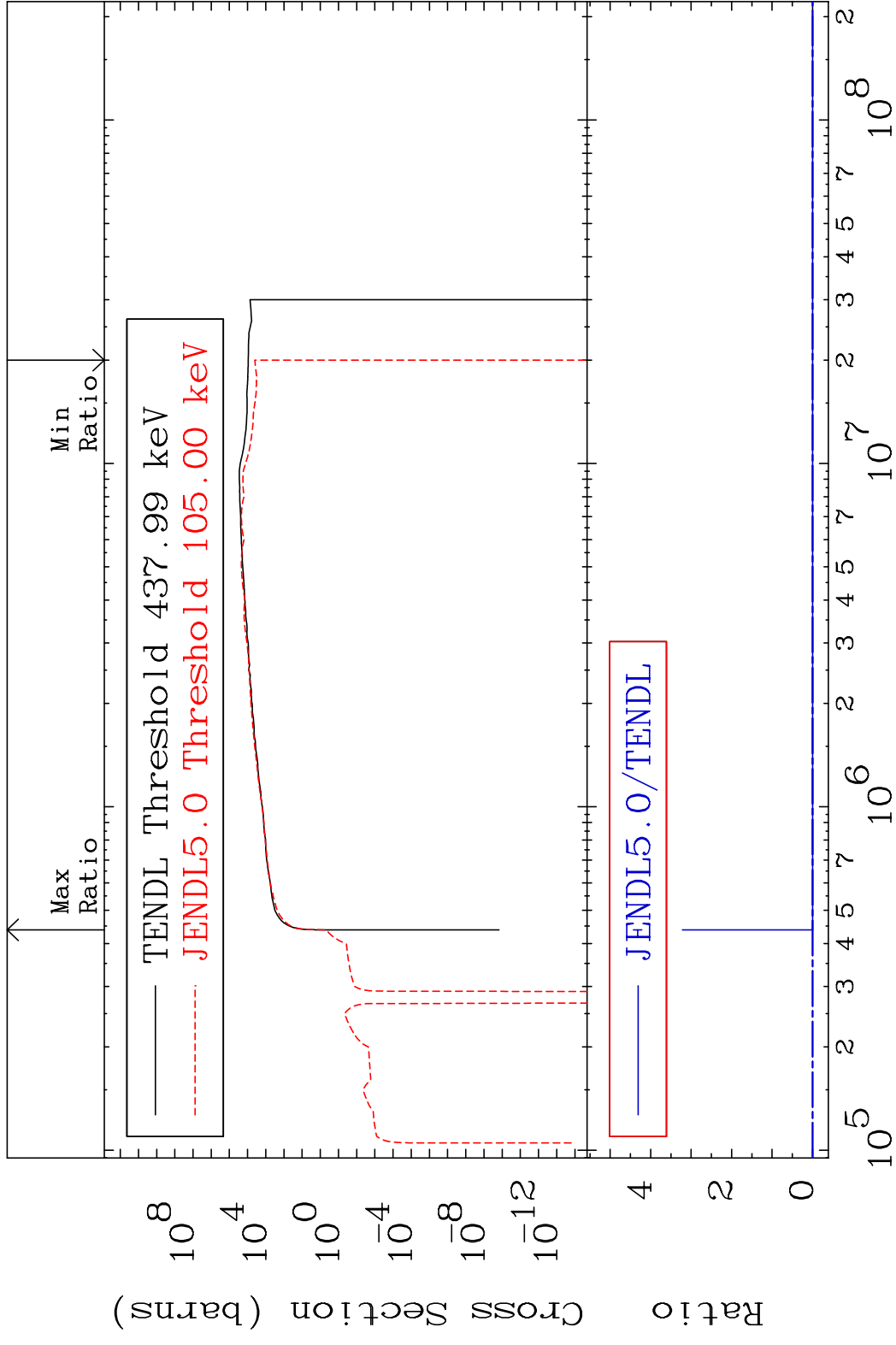
46-Pd-108



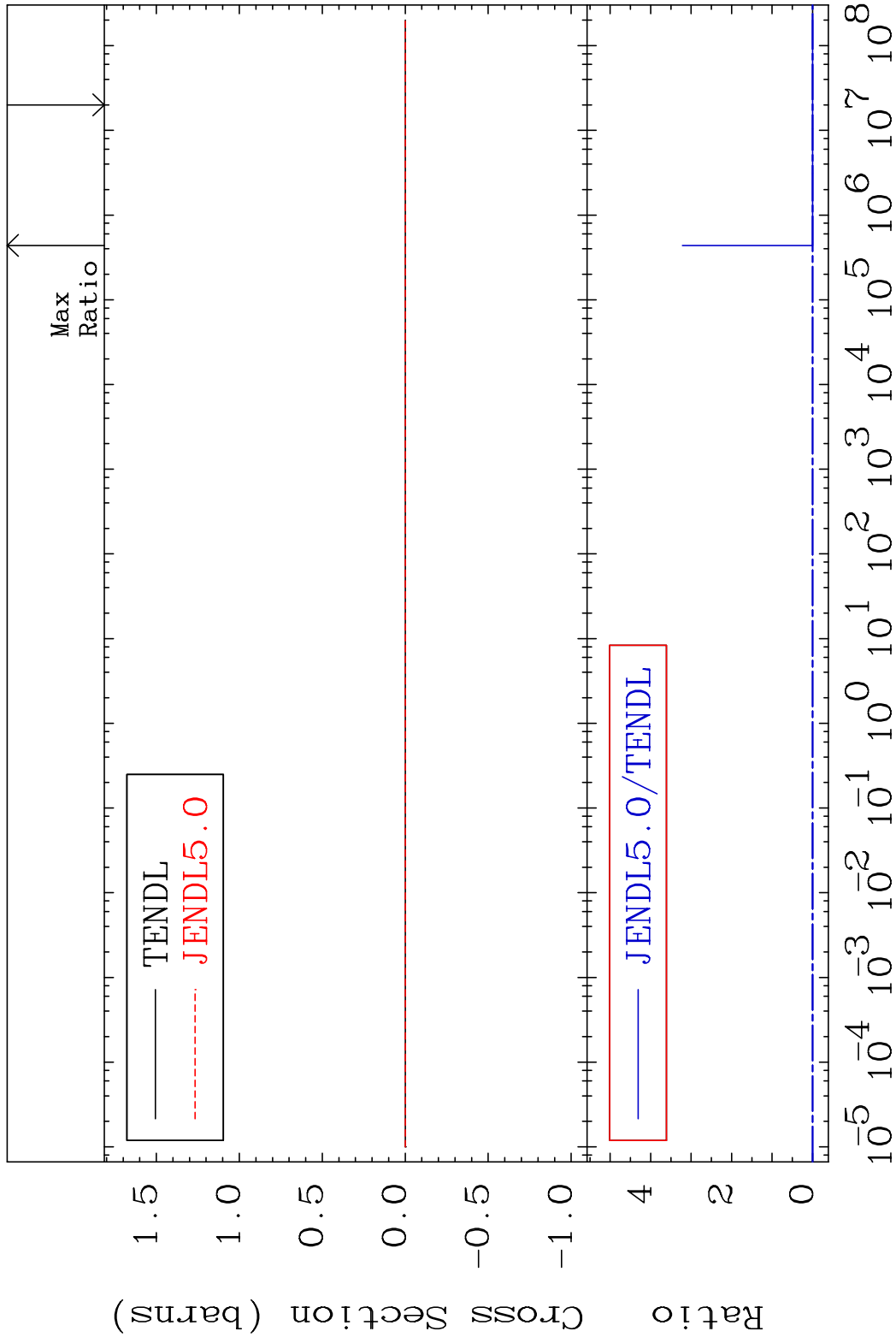
MAT 4643 Kerma non-elastic (all but mt2) 46-Pd-108
 Cross Section -100.0 To 9999. %



MAT 4643 Kerma inelastic (mt51-91) 46-Pd-108
 Cross Section -100.0 To 9999. %

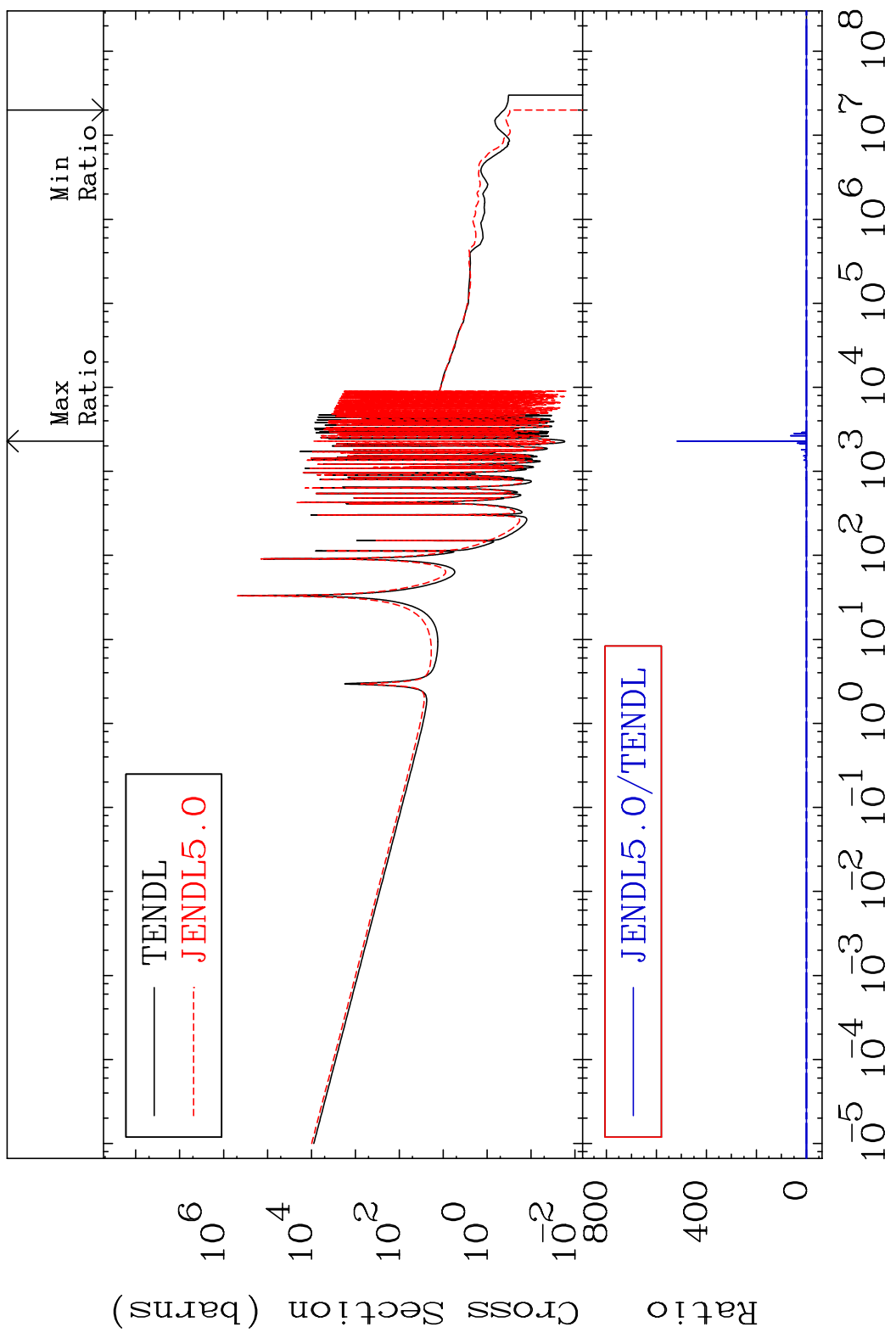


MAT 4643 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-108
 Cross Section -100.0 To 9999. %



MAT 4643

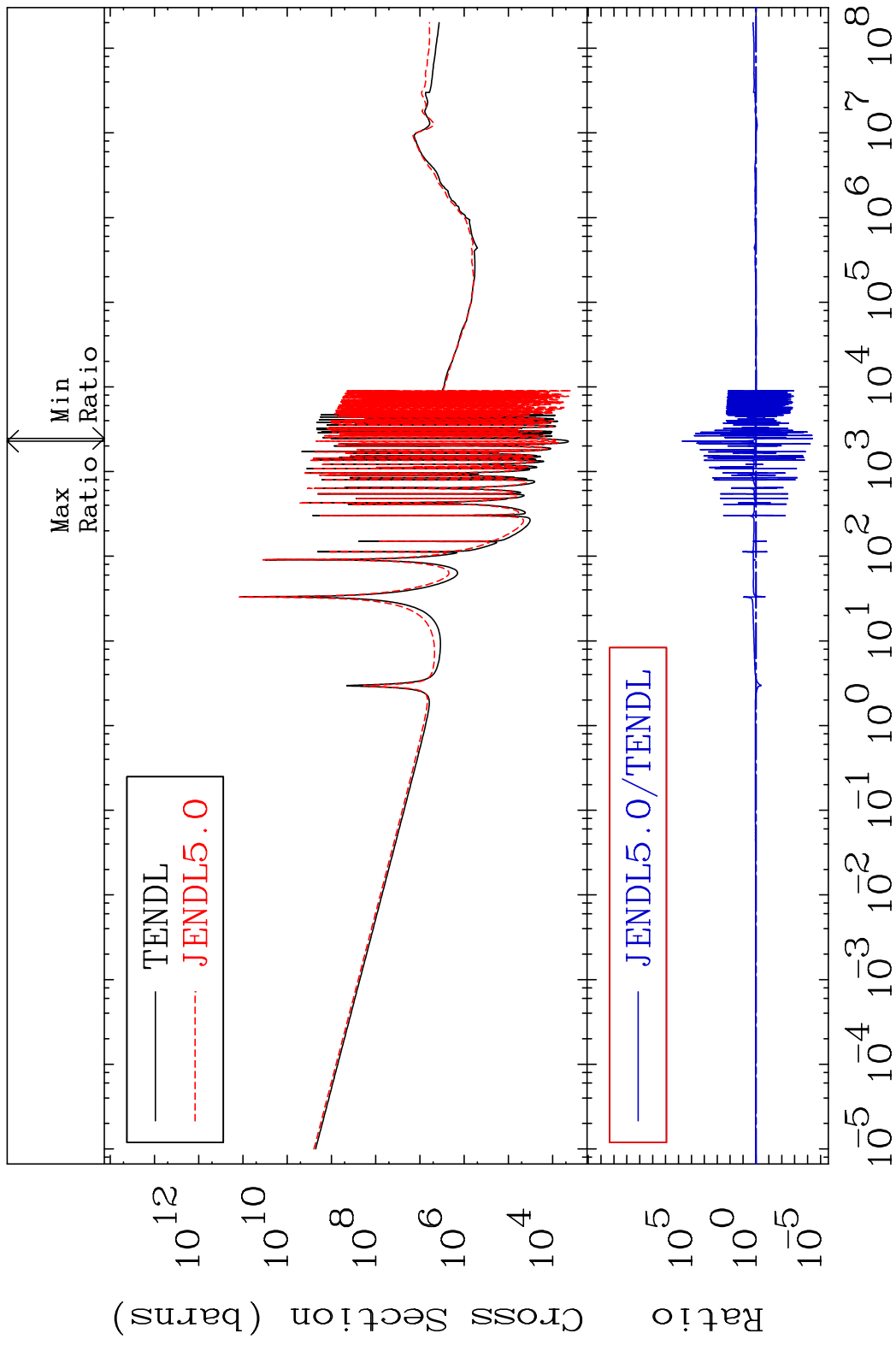
Kerma capture (mt102) 46-Pd-108
Cross Section -100.0 To 9999. %



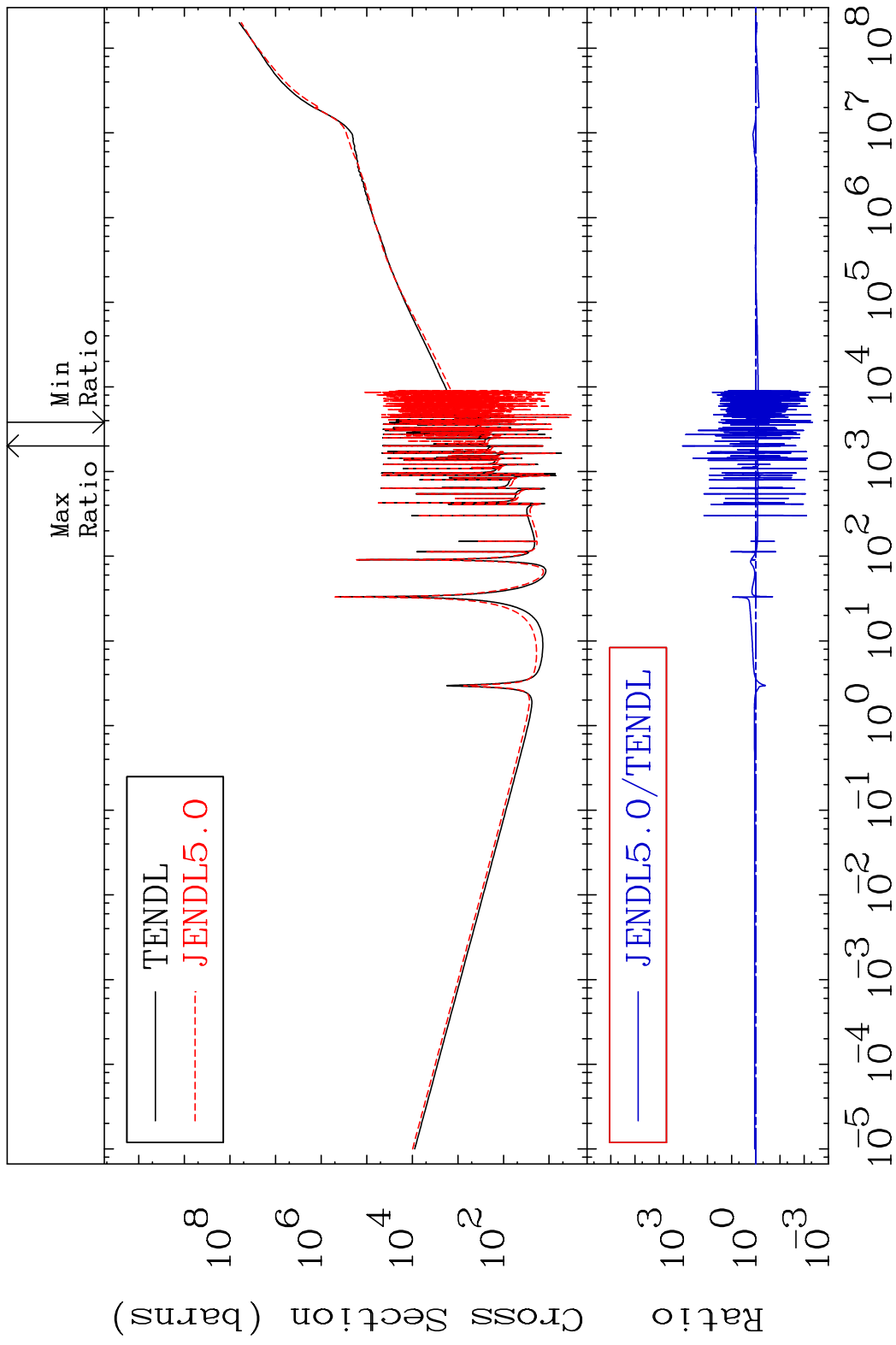
55

Incident Energy (eV) 46-Pd-108

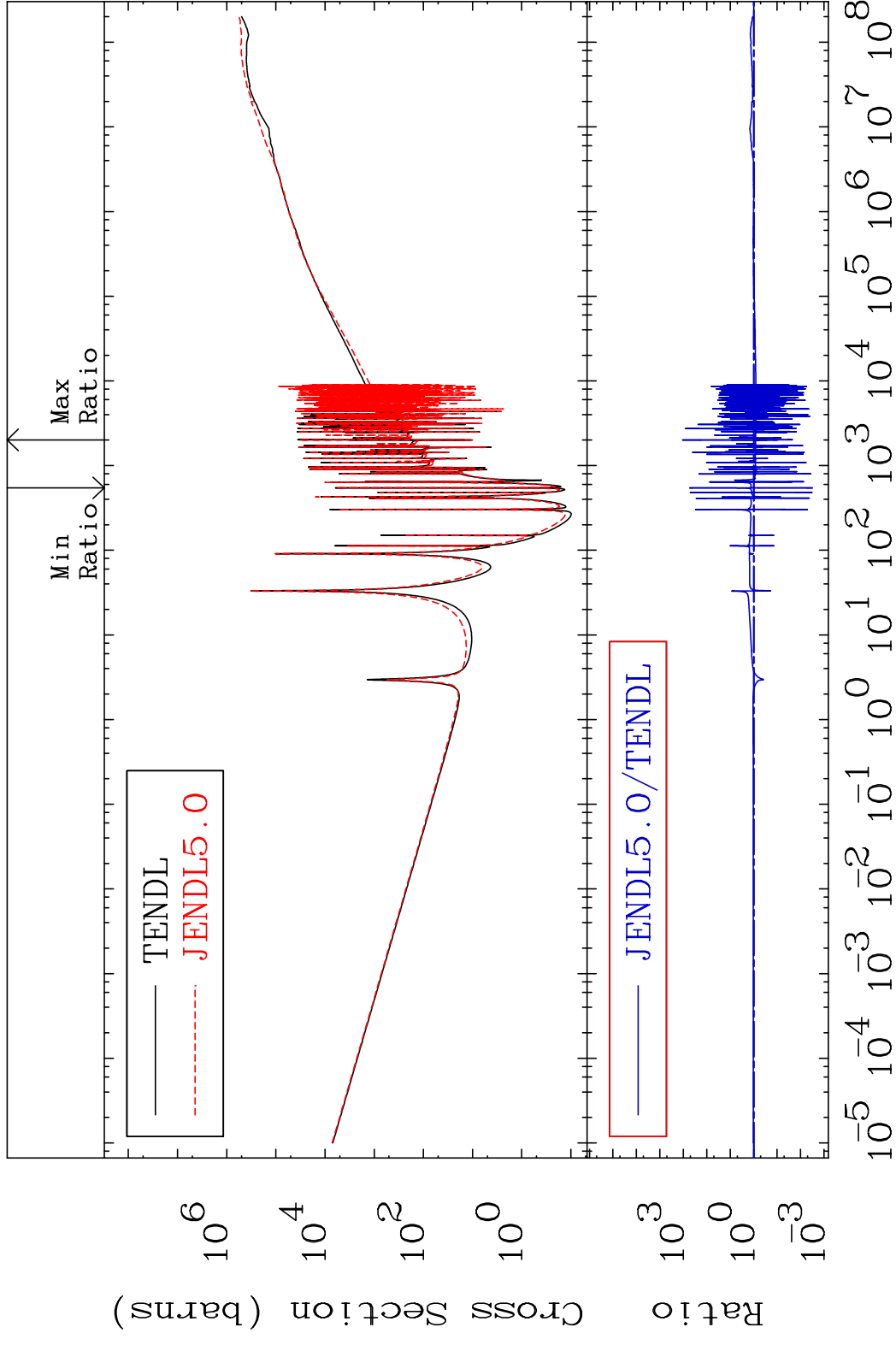
MAT 4643 Total photon (eV-barns) 46-Pd-108
 Cross Section -100.0 To 9999. %



MAT 4643 Total kinematic kerma (high limit) 46-Pd-108
 Cross Section -99.55 To 9999. %



MAT 4643 Dpa total (eV-barns) 46-Pd-108
 Cross Section -99.69 To 9999. %

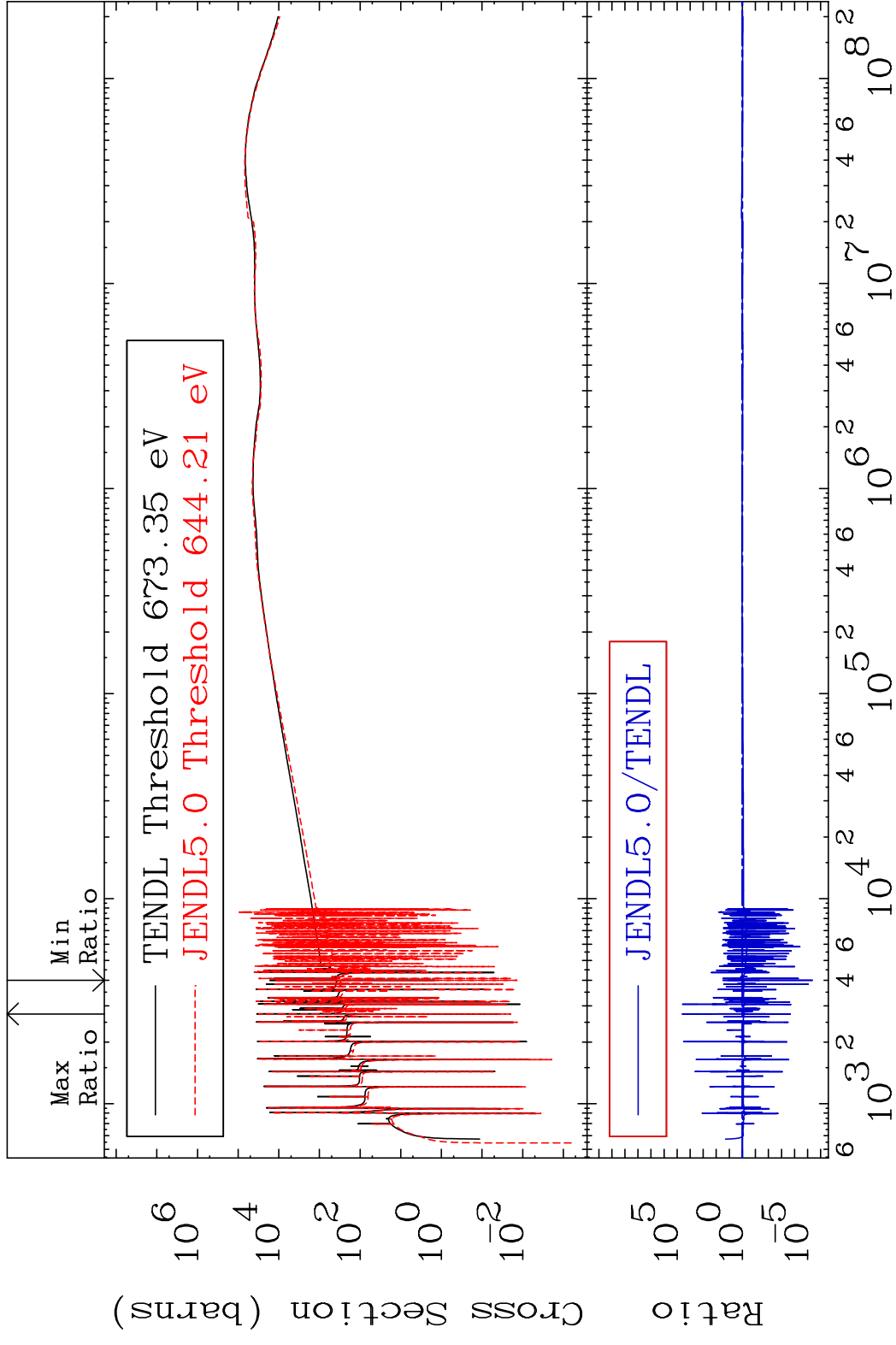


MAT 4643

Dpa elastic (mt2)

46-Pd-108

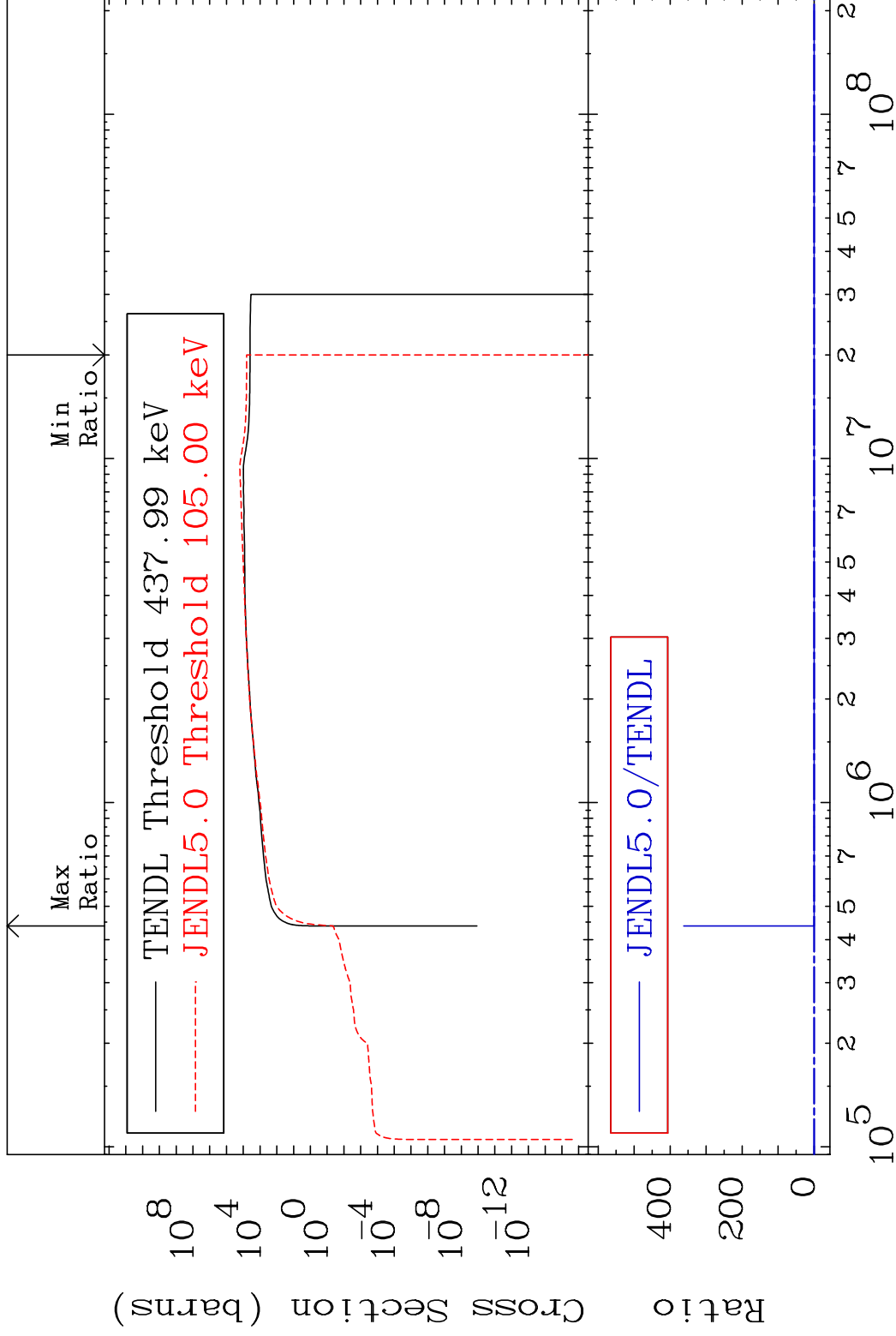
Cross Section -100.0 To 9999. %



MAT 4643

Dpa inelastic (mt51-91) 46-Pd-108

Cross Section -100.0 To 9999. %

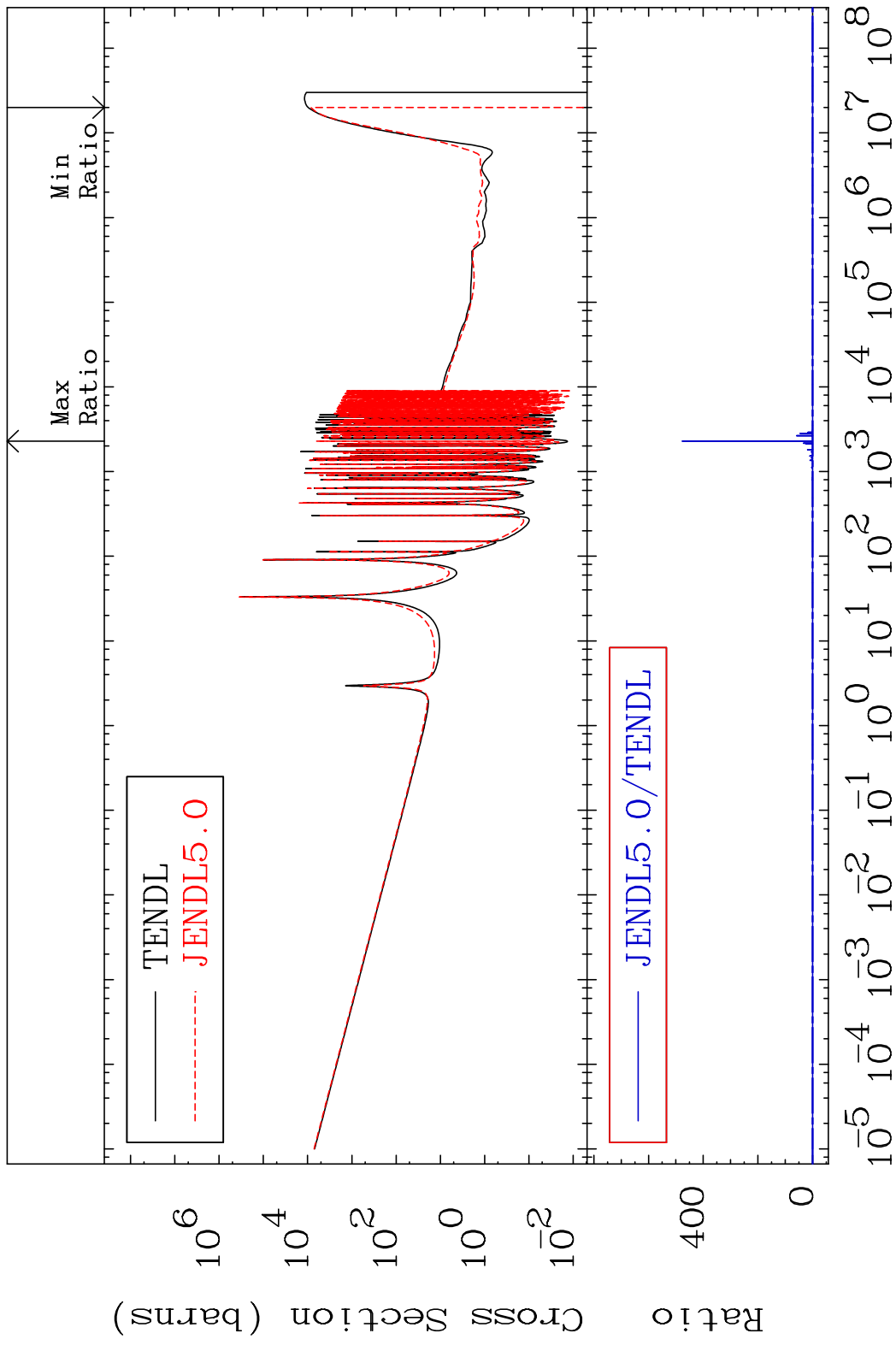


60

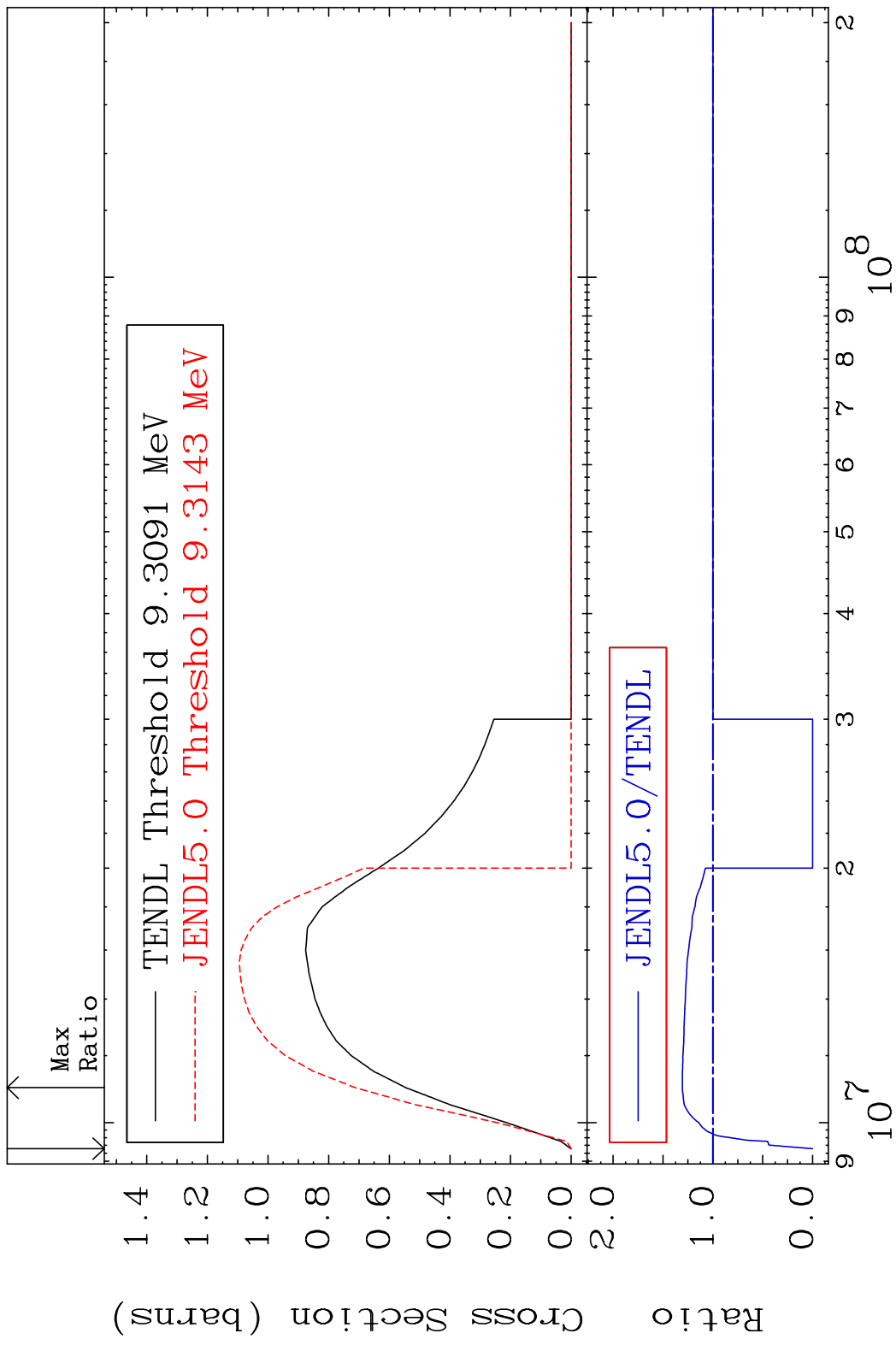
Incident Energy (eV)

46-Pd-108

MAT 4643 Dpa disappearance (mt102 -120) 46-Pd-108
 Cross Section -100.0 To 9999. %

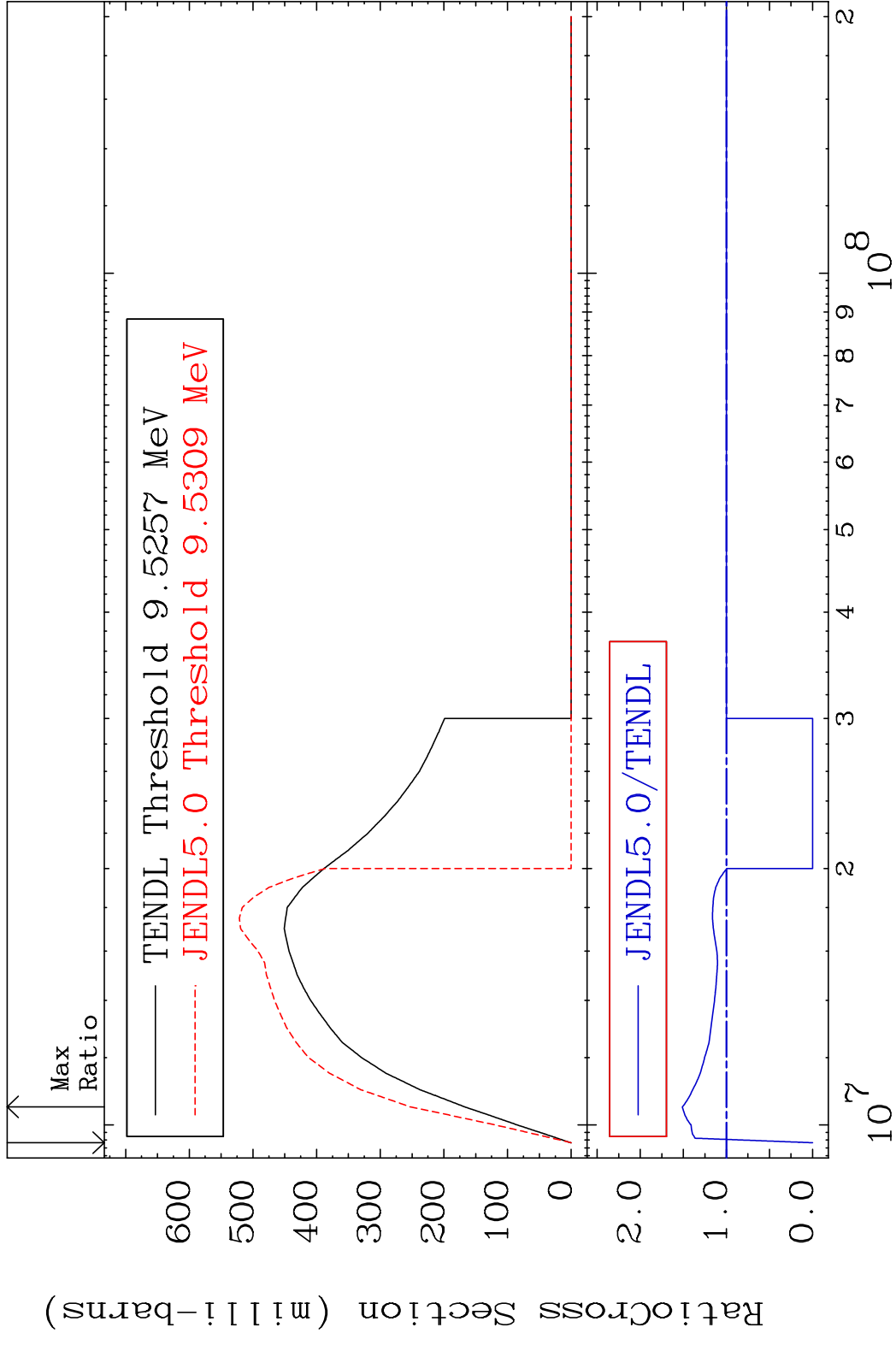


MAT 4643 (n,2n):46-Pd-107g 46-Pd-108
 Radionuclide Production Cross Section 30.58 %



62 Incident Energy (eV) 46-Pd-108

MAT 4643 (n, 2n) : 46-Pd-107m2 46-Pd-108
 Radionuclide Production Cross Section Ratio 51.14 %



63 Incident Energy (eV) 46-Pd-108

MAT 4643 (n, p) : 45-Rh-108 46-Pd-108
 Radionuclide Production Cross Section (%)

