

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

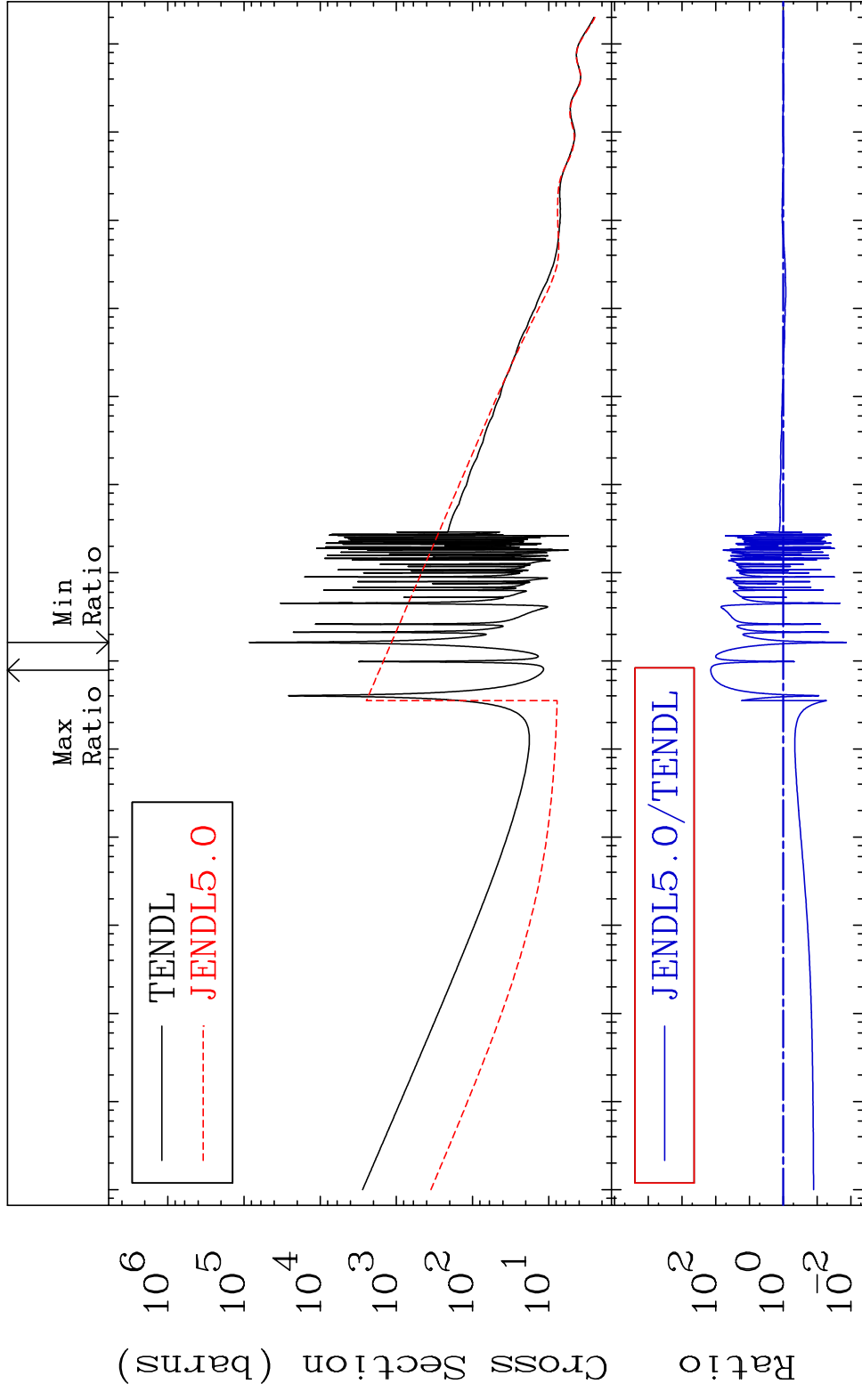
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7019

Total
Cross Section -98.64 To 9999. %

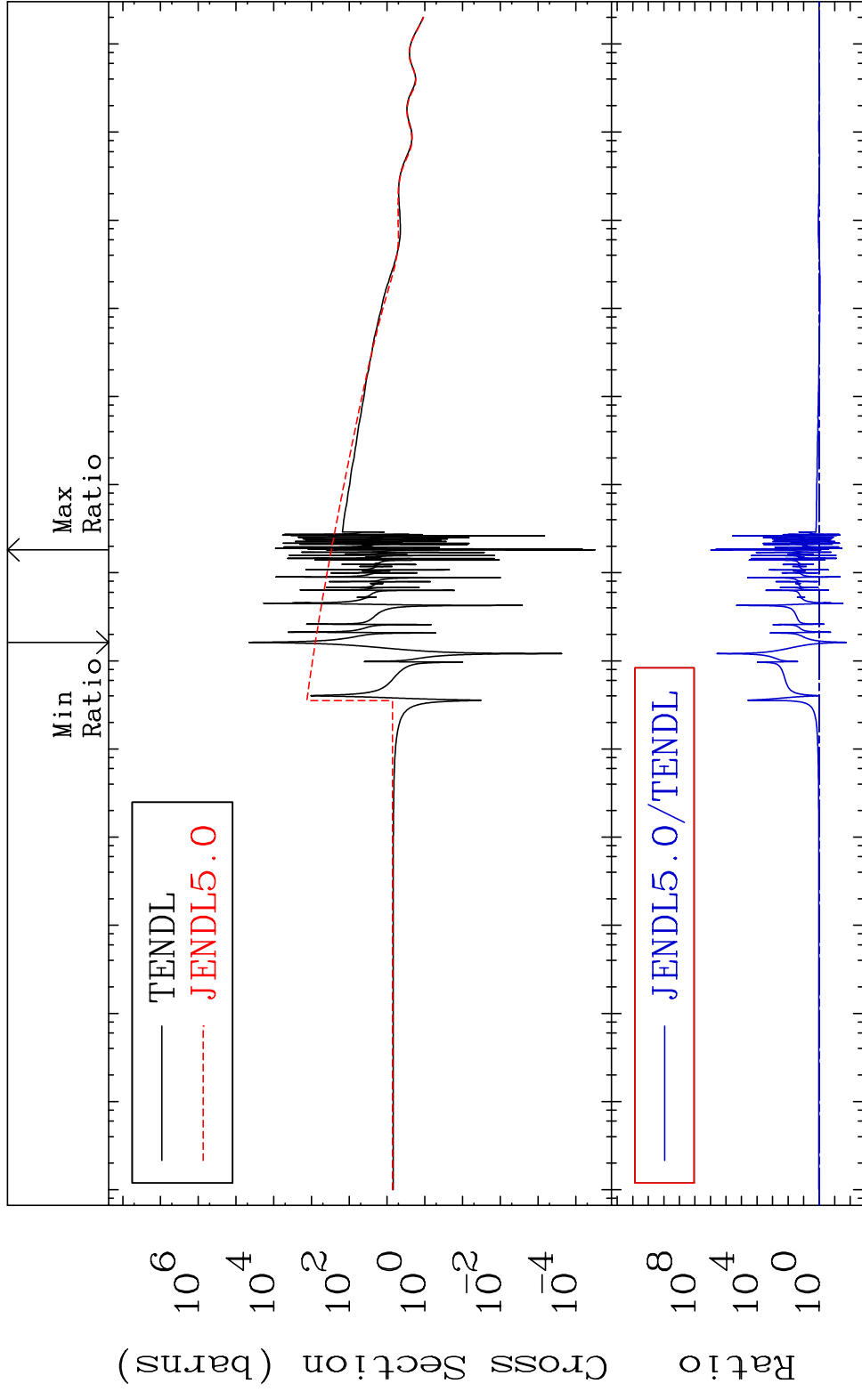
70-Yb-166



MAT 7019

Elastic Cross Section -98.22 To 9999. %

70-Yb-166

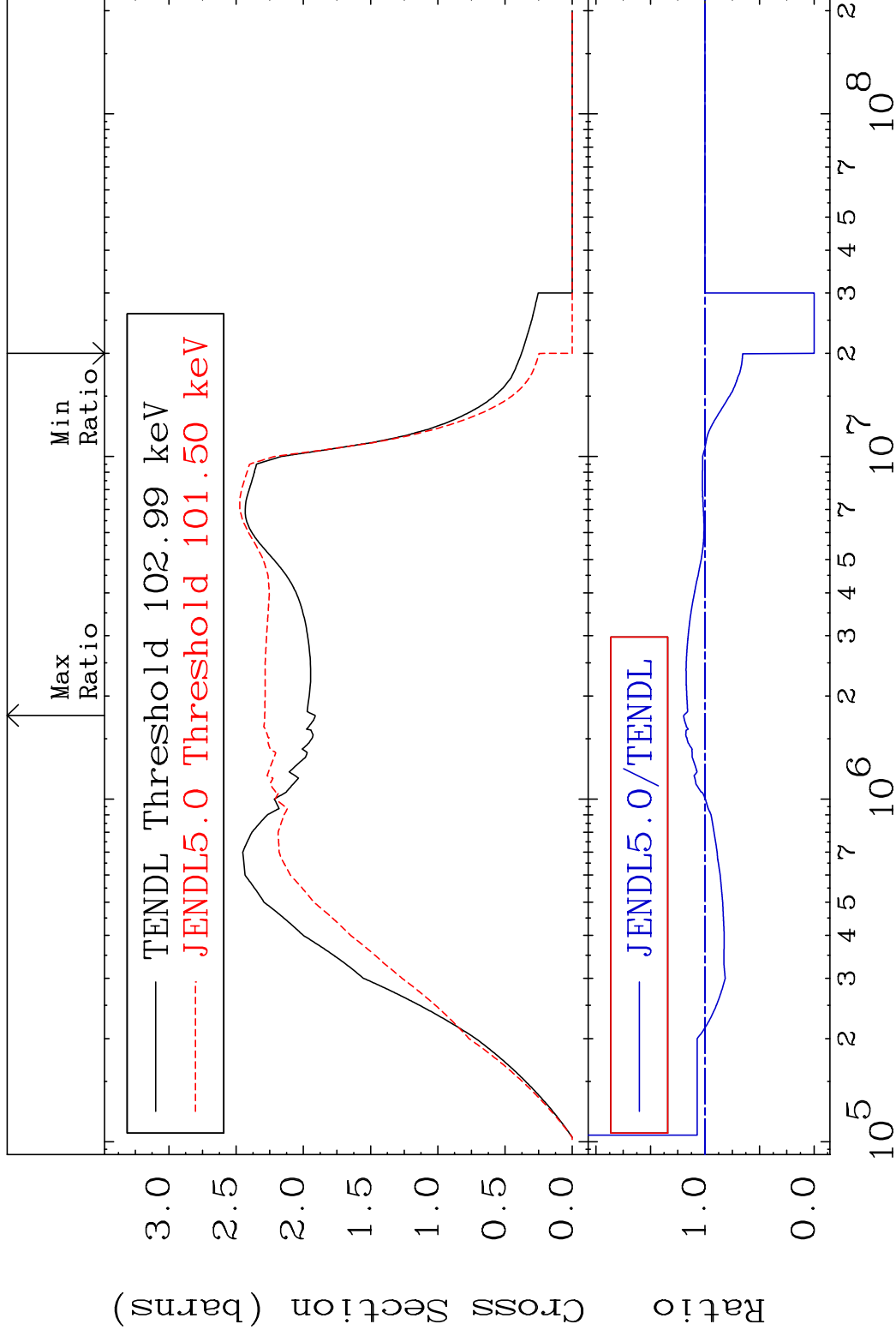


MAT 7019

Inelastic

70-Yb-166

Cross Section -100.0 To 19.61 %



3

Incident Energy (eV)

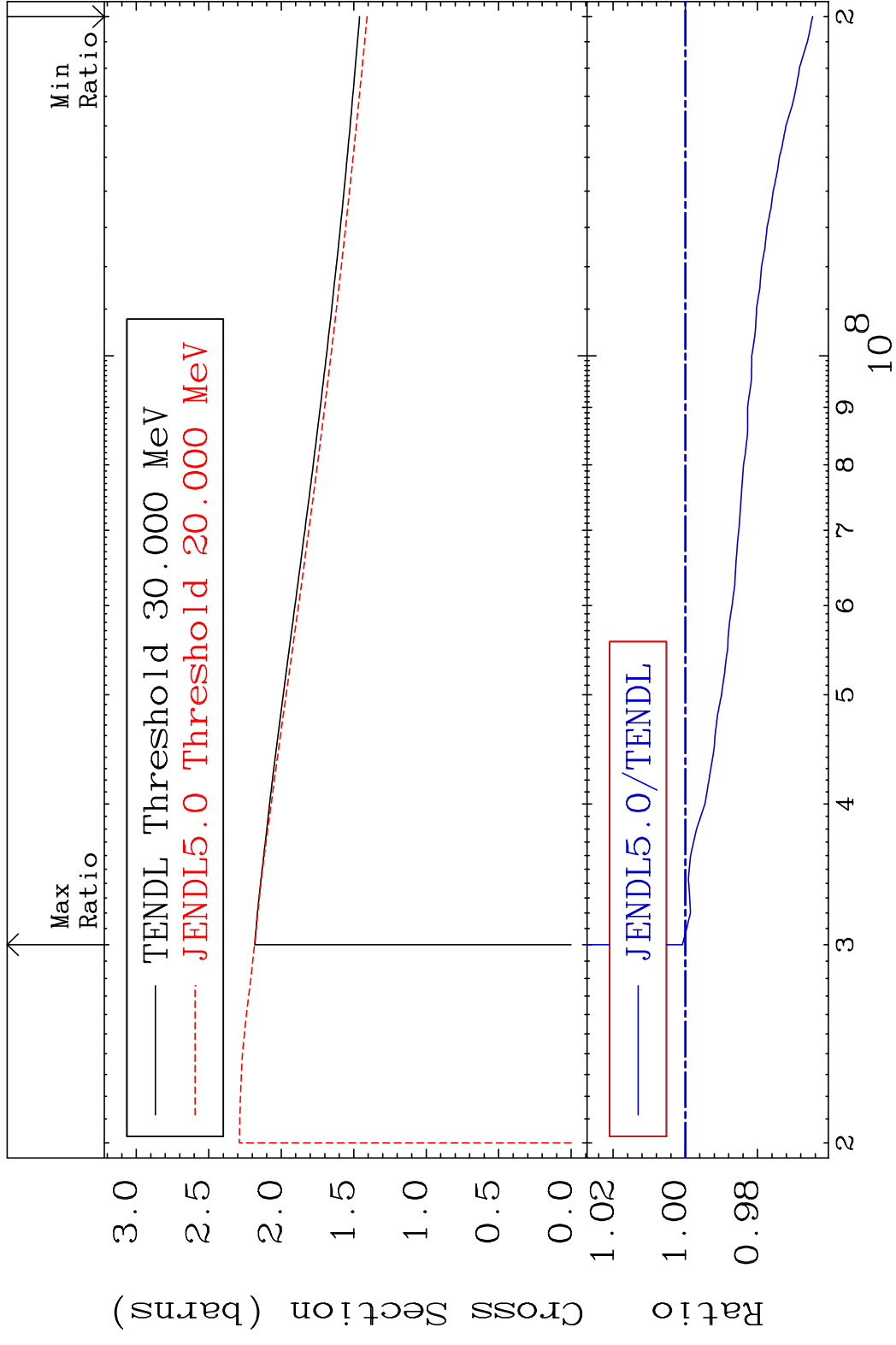
70-Yb-166

MAT 7019

(n, remainder)

70-Yb-166

Cross Section -3.526 To 0.083 %



4

Incident Energy (eV)

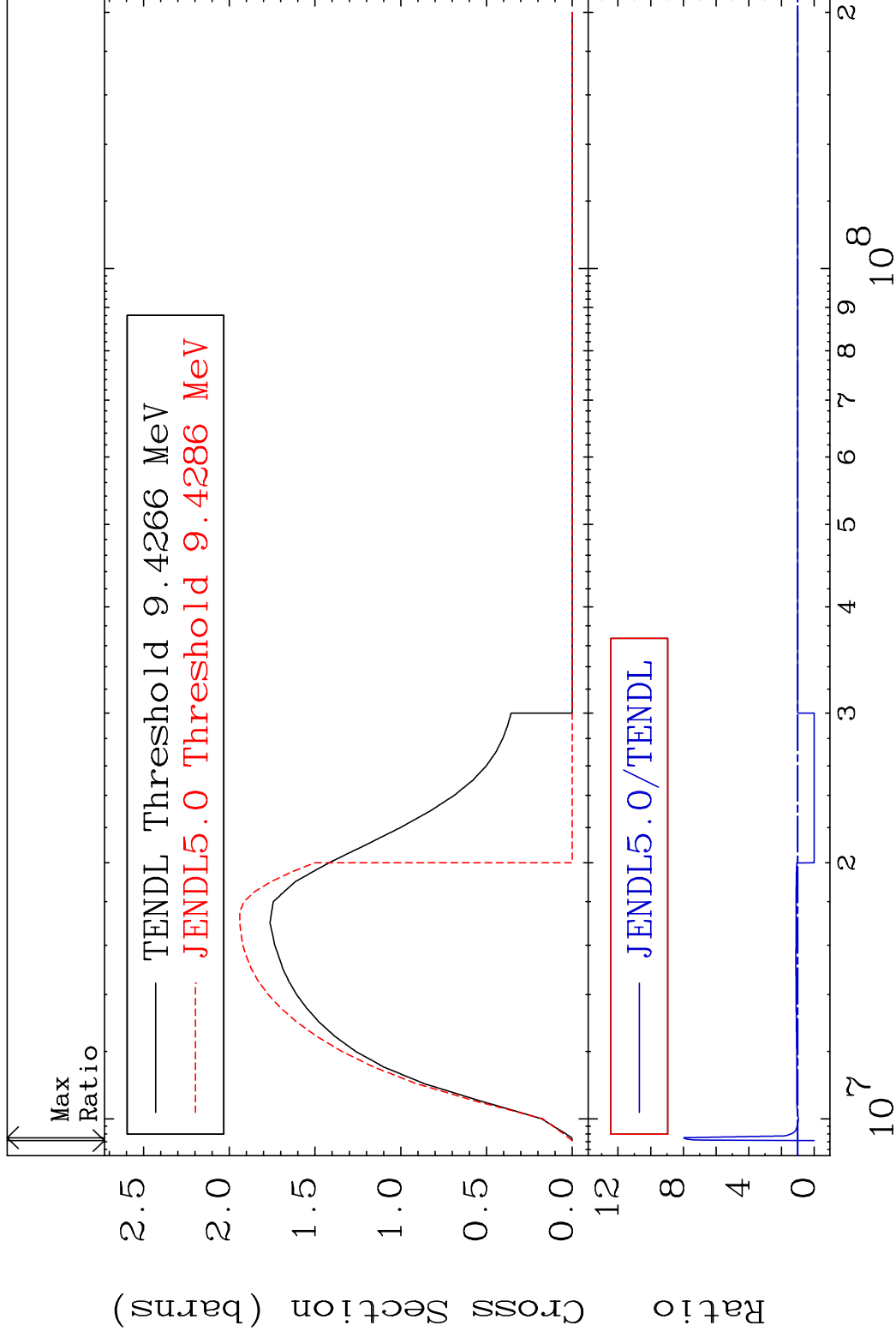
70-Yb-166

MAT 7019

(n,2n)

70-Yb-166

Cross Section -100.0 To 698.2 %



5

Incident Energy (eV)

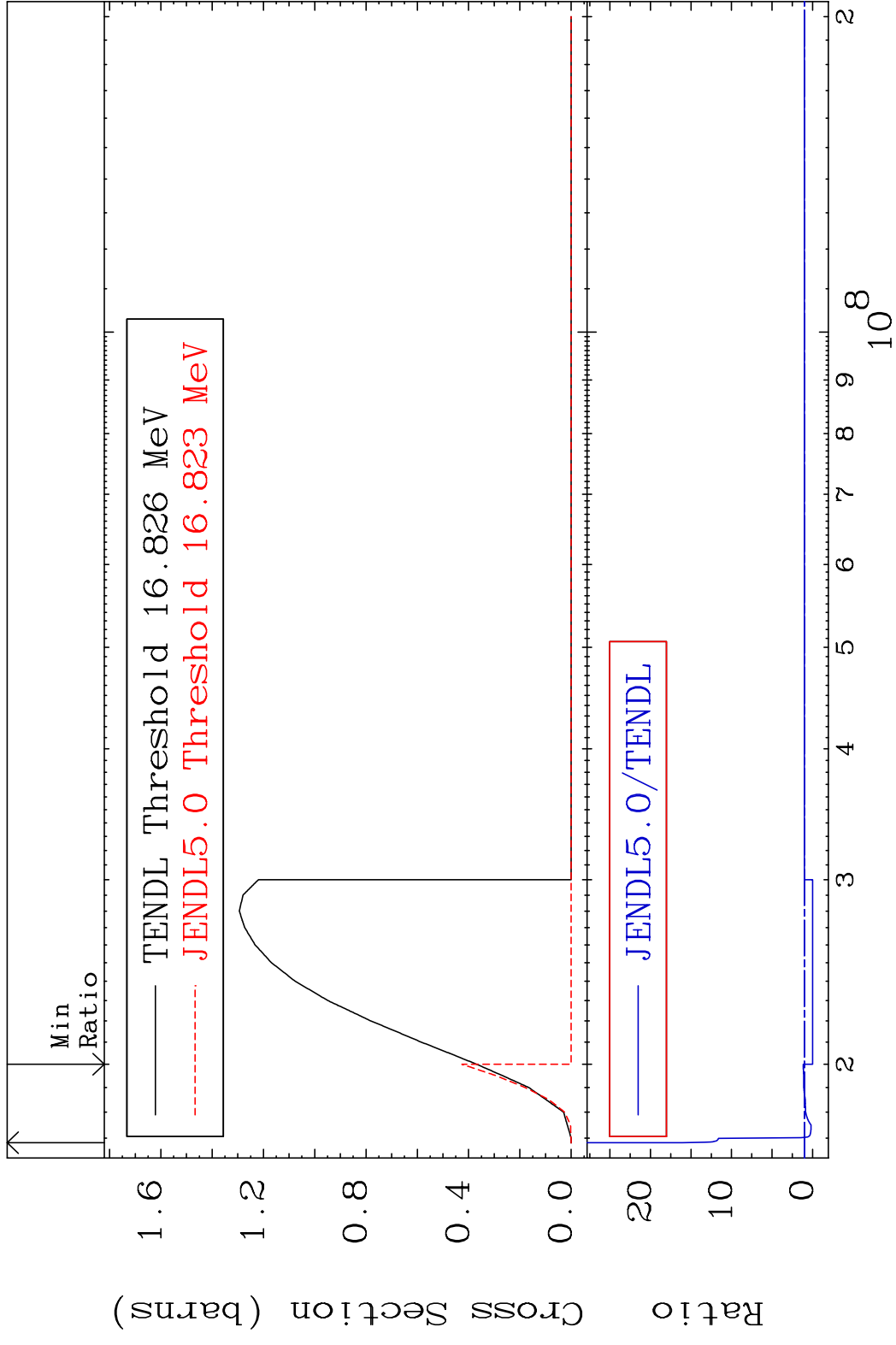
70-Yb-166

MAT 7019

(n,3n)

70-Yb-166

Cross Section -100.0 To 1507. %



6

Incident Energy (eV)

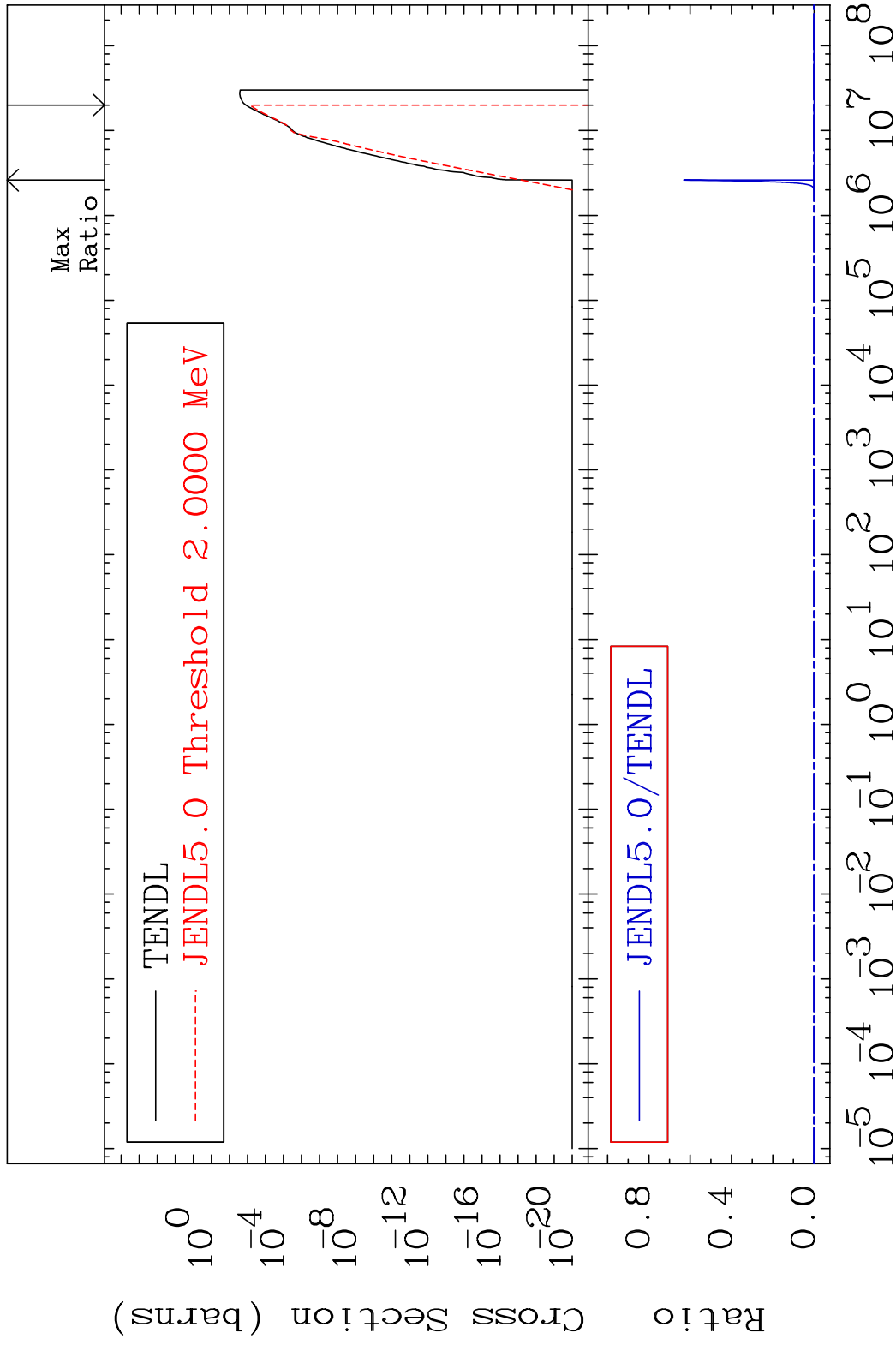
70-Yb-166

MAT 7019

(n, n') α

70-Yb-166

Cross Section -100.0 To 9999. %

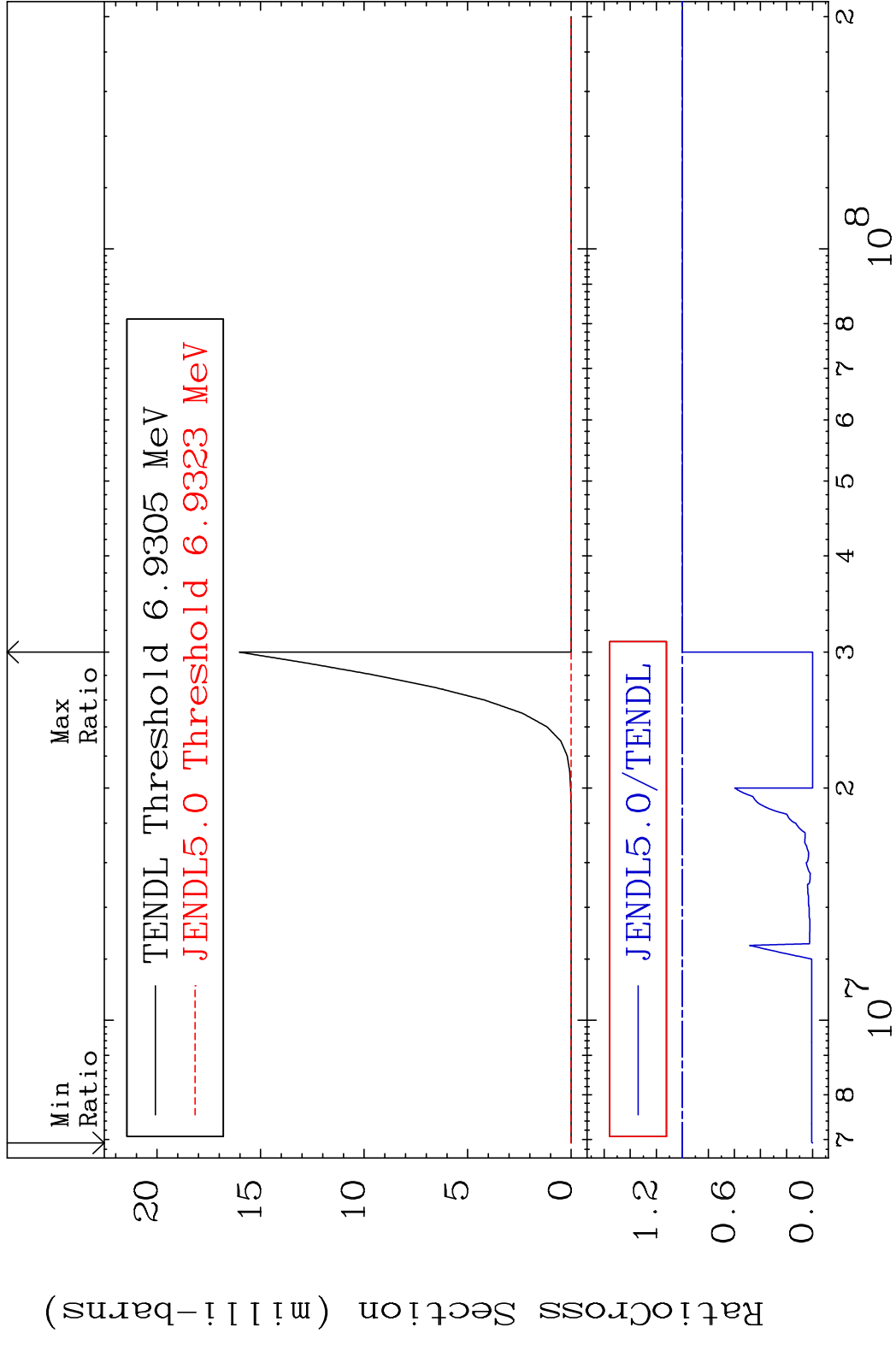


7

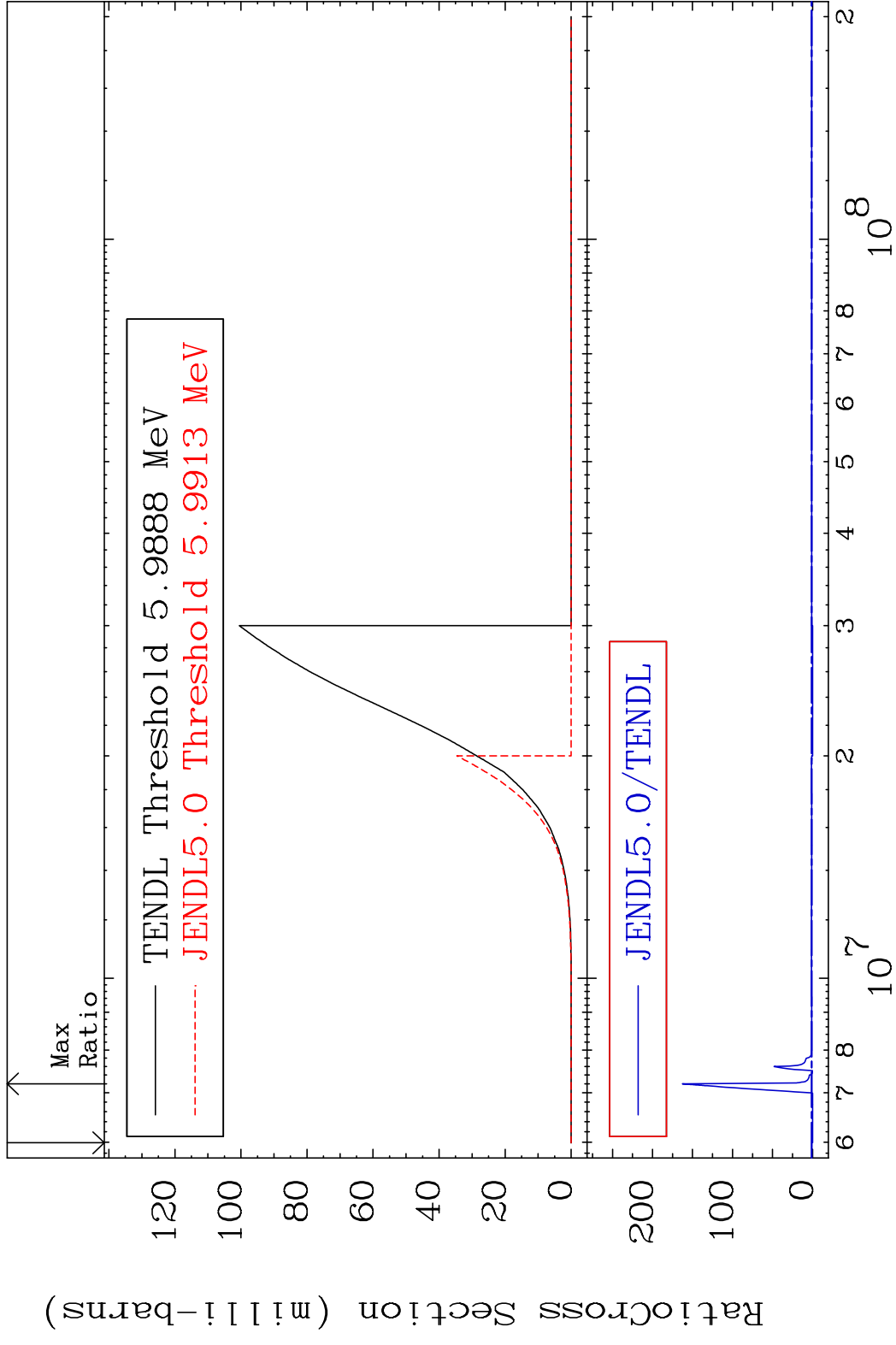
Incident Energy (eV)

70-Yb-166

MAT 7019 (n,2n) α 70-Yb-166
 Cross Section -100.0 To 0.000 %



MAT 7019 (n, n') p 70-Yb-166
 Cross Section -100.0 To 9999. %

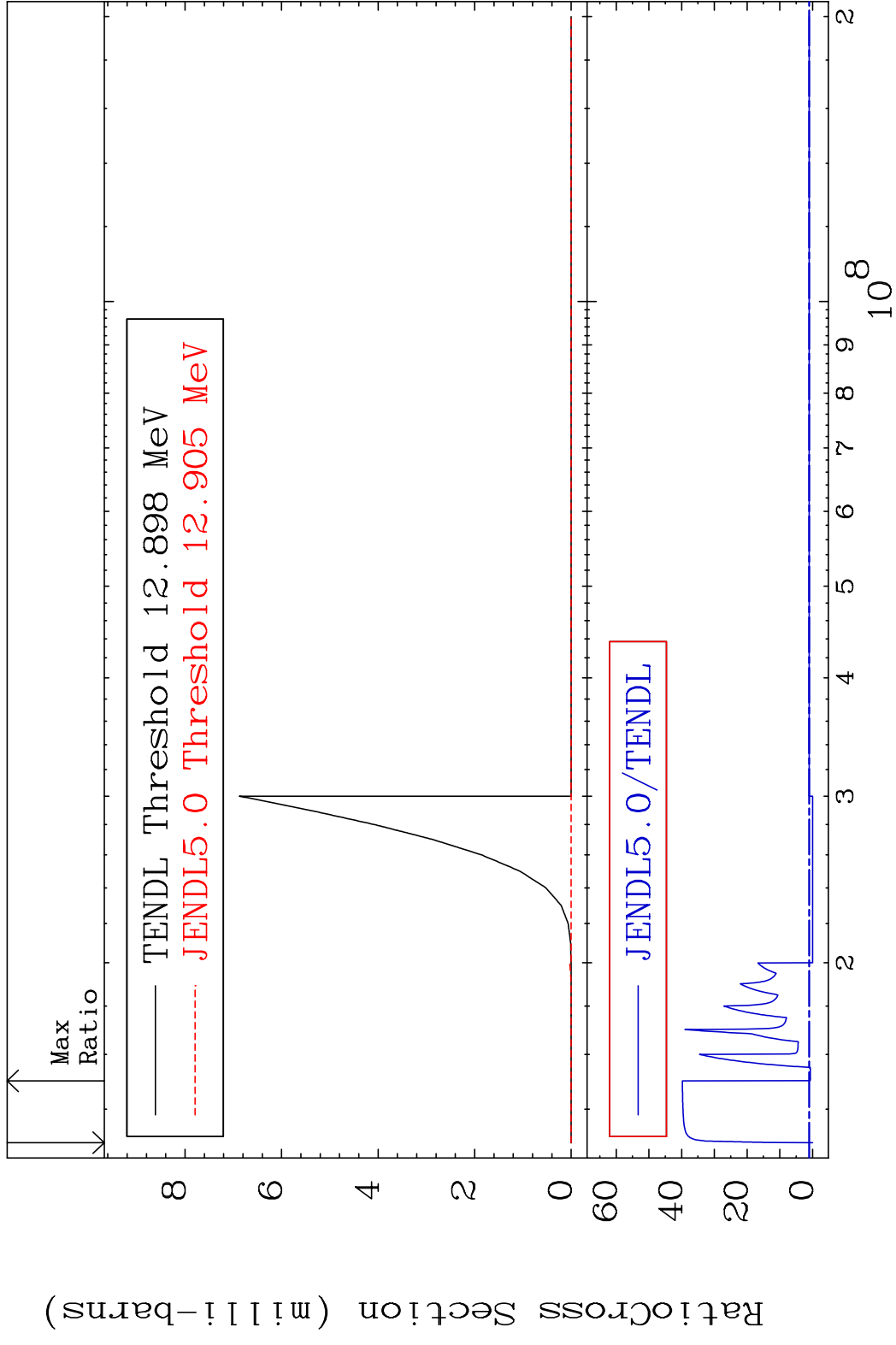


MAT 7019

(n, n') d

70-Yb-166

Cross Section -100.0 To 3878. %

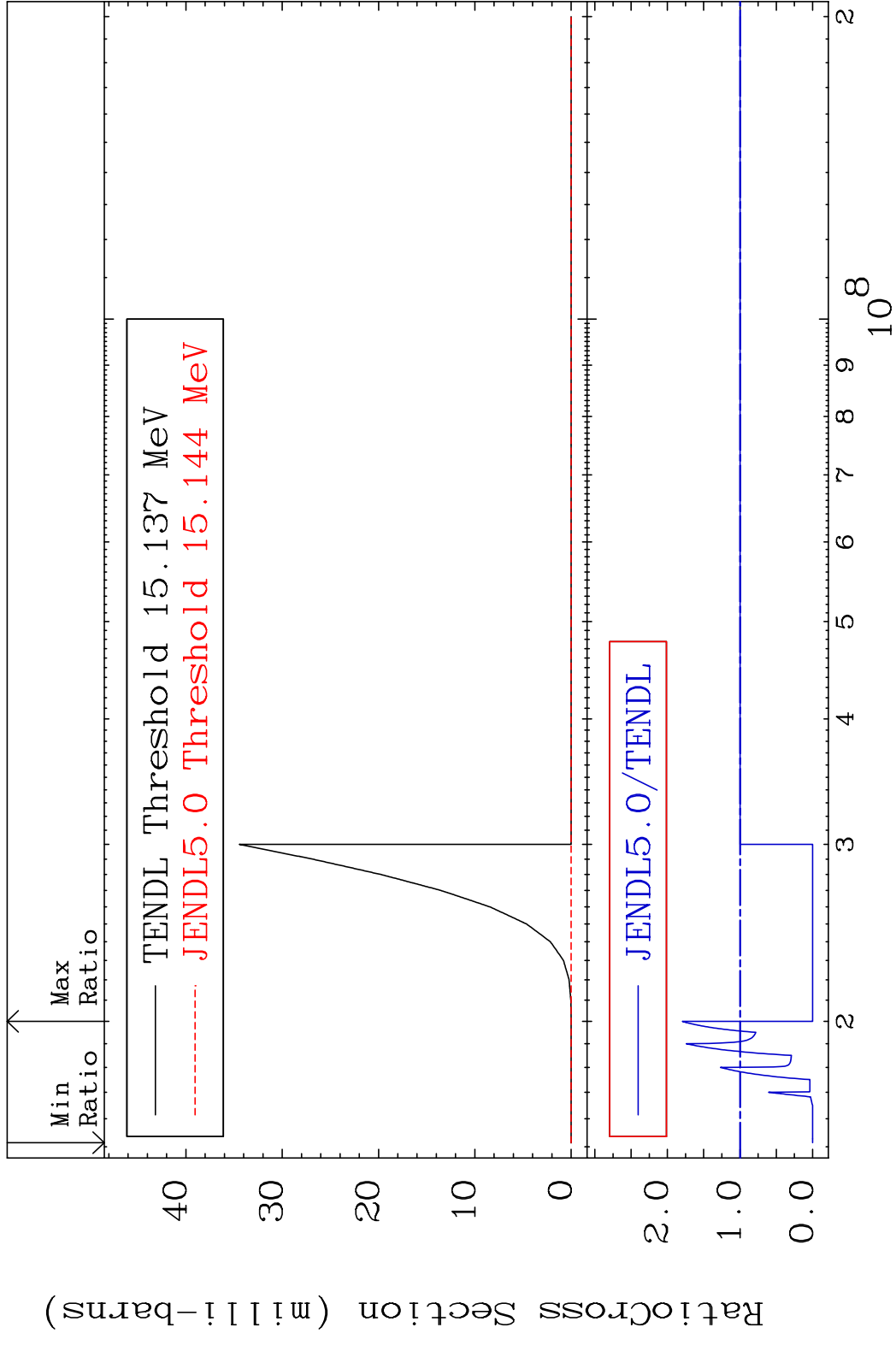


10

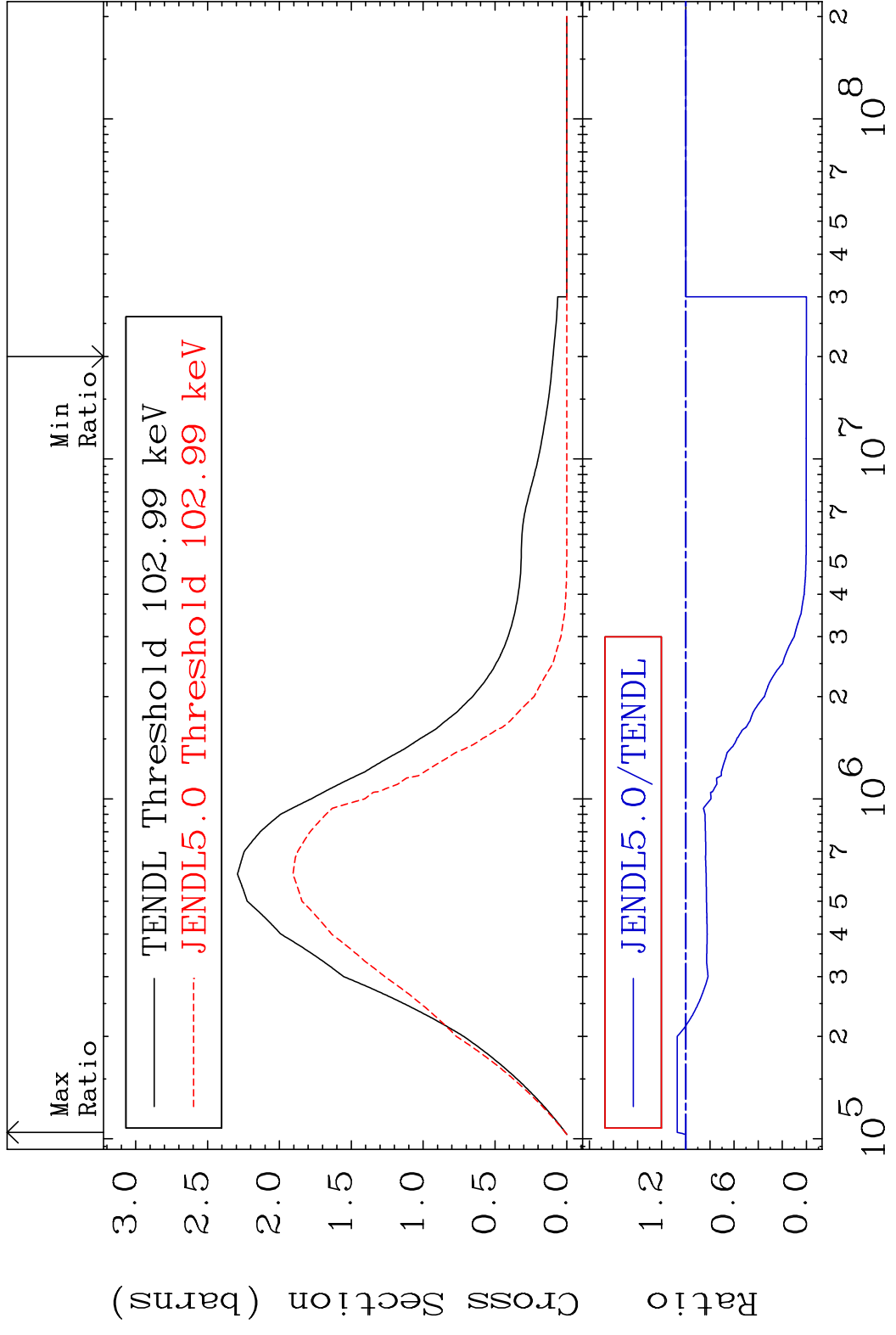
Incident Energy (eV)

70-Yb-166

MAT 7019 (n,2n) p 70-Yb-166
 Cross Section -100.0 To 79.40 %

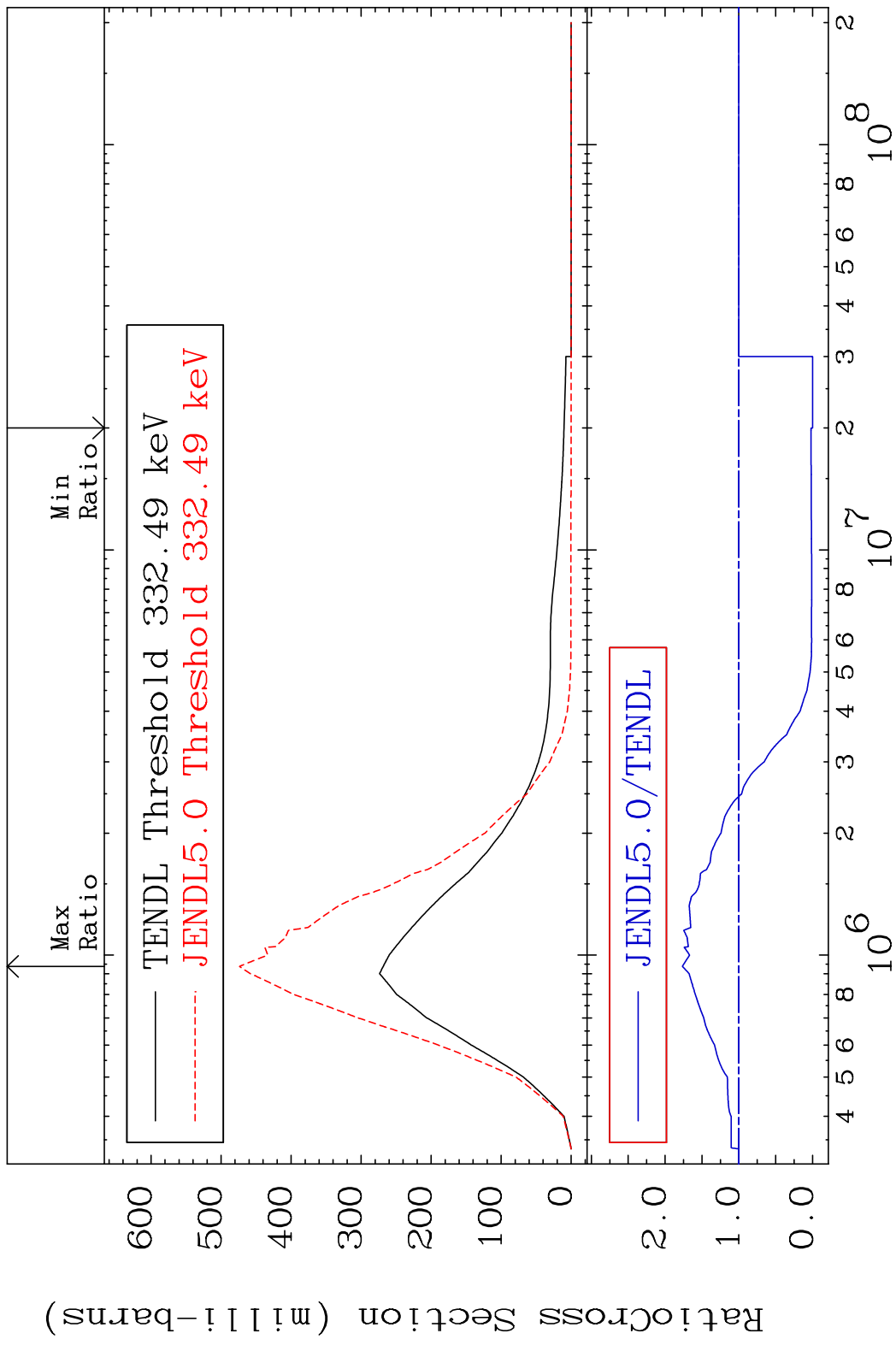


MAT 7019 MT= 51 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 7.156 %

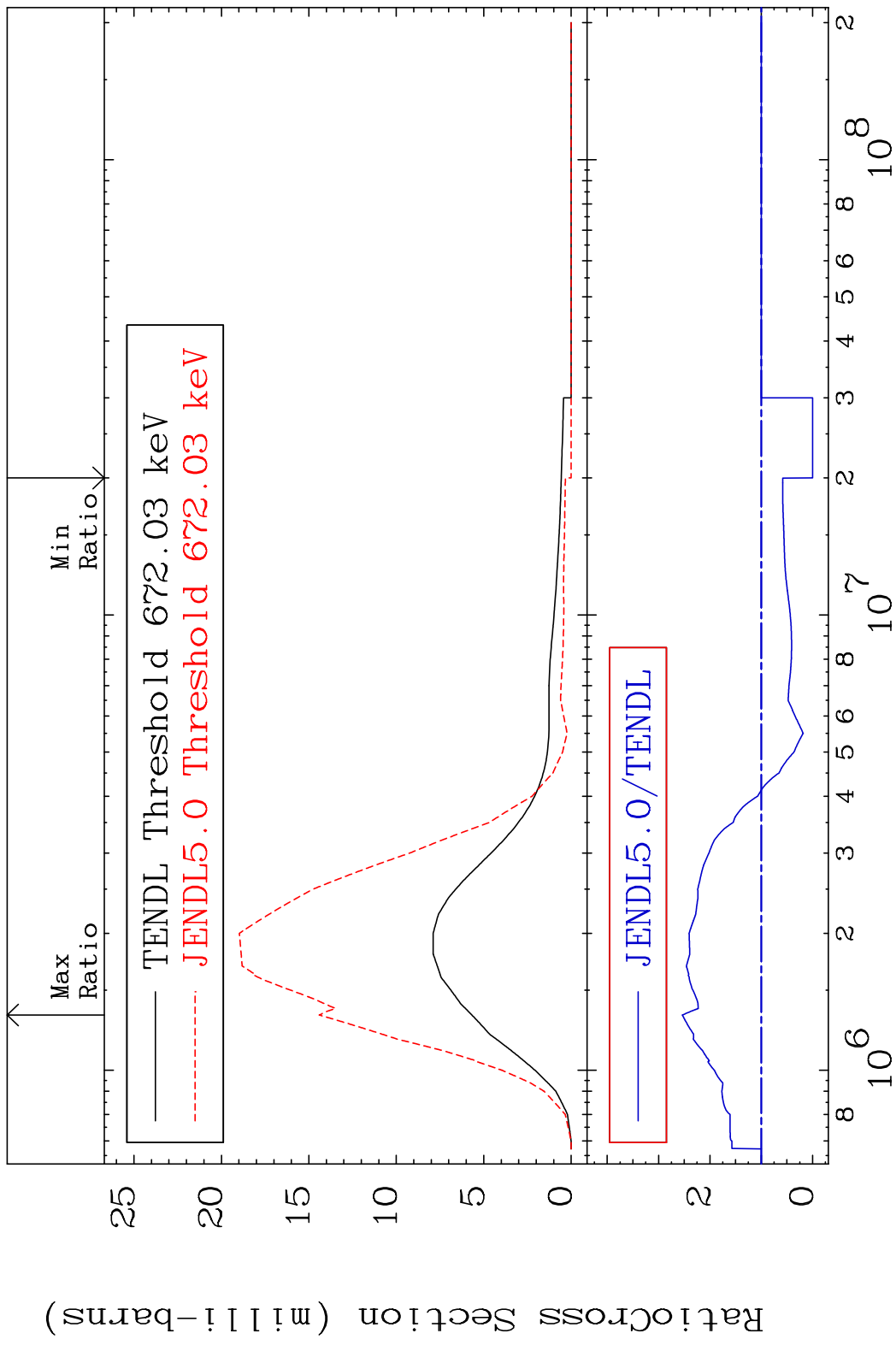


12 Incident Energy (eV) 70-Yb-166

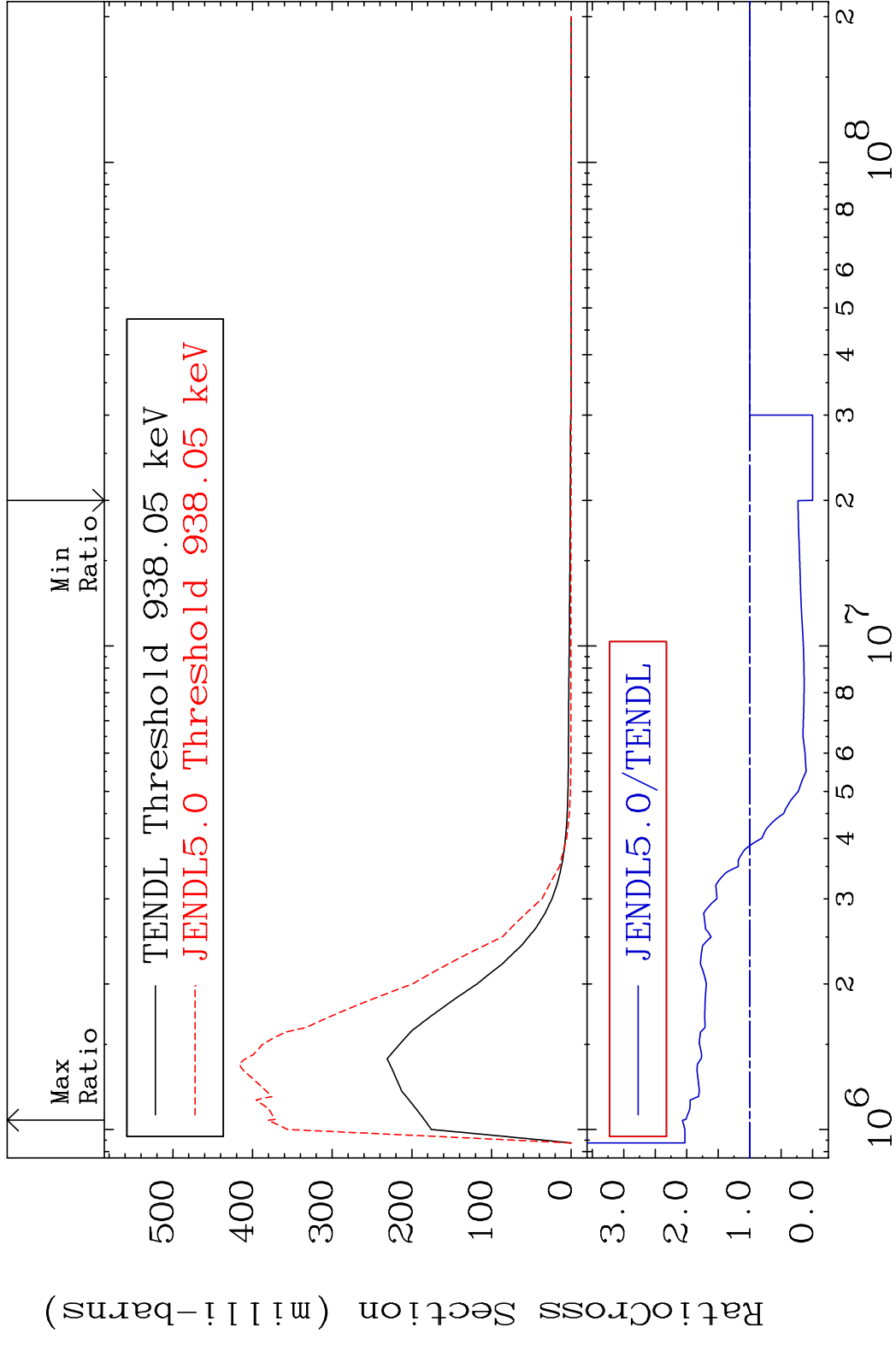
MAT 7019 MT= 52 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 76.56 %



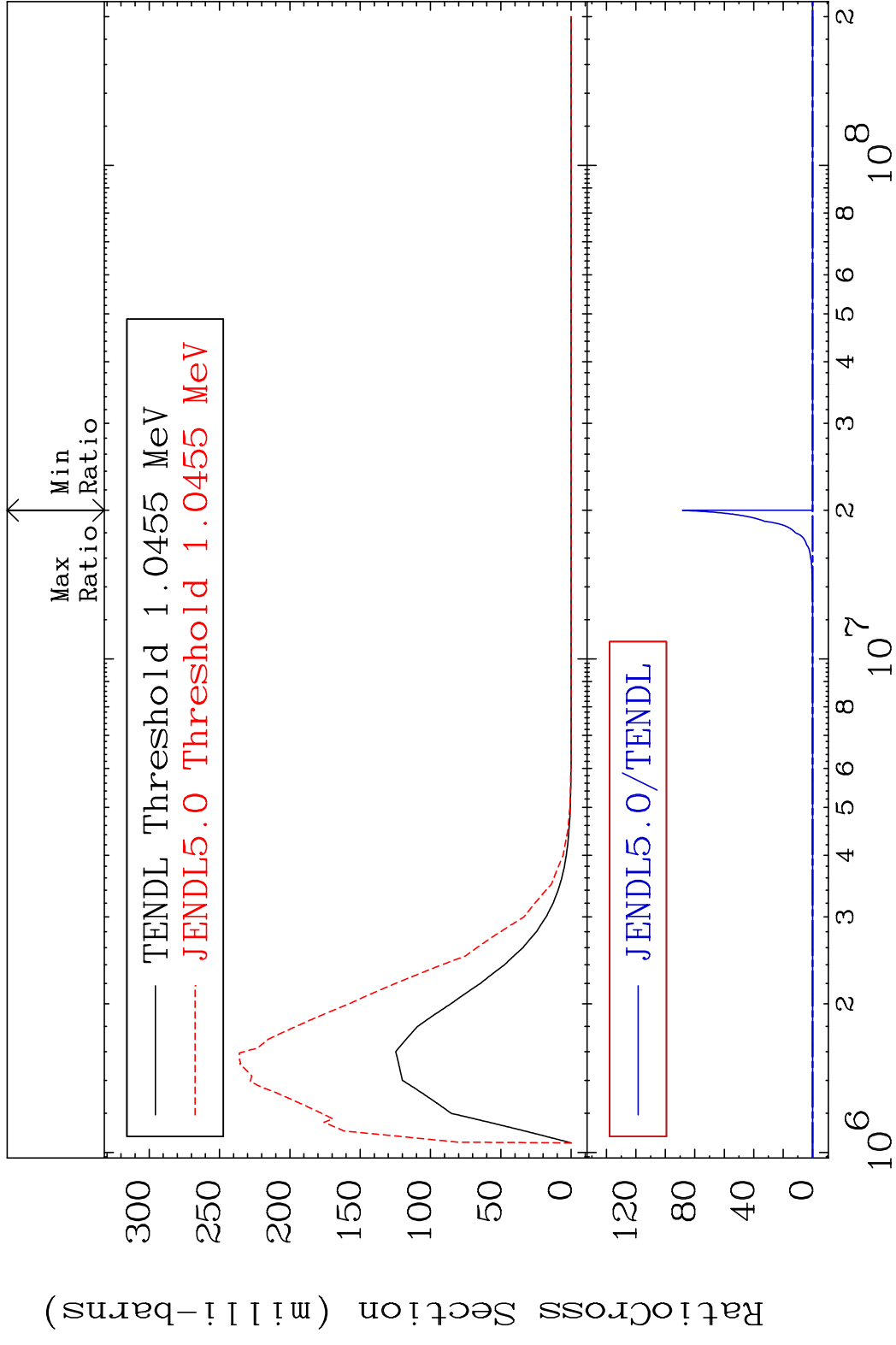
MAT 7019 MT= 53 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 153.7 %



MAT 7019 MT= 54 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 106.9 %

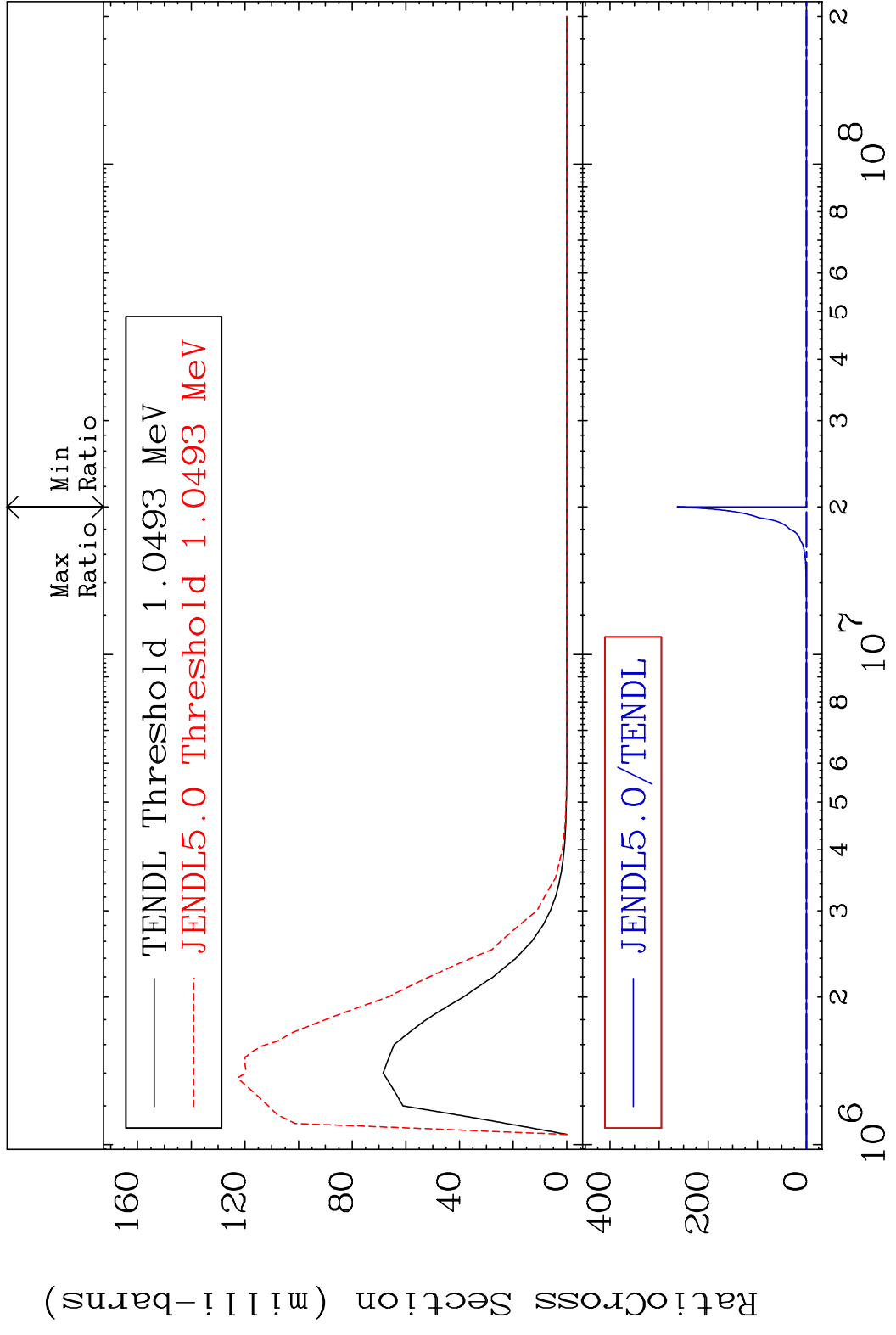


MAT 7019 MT= 55 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %



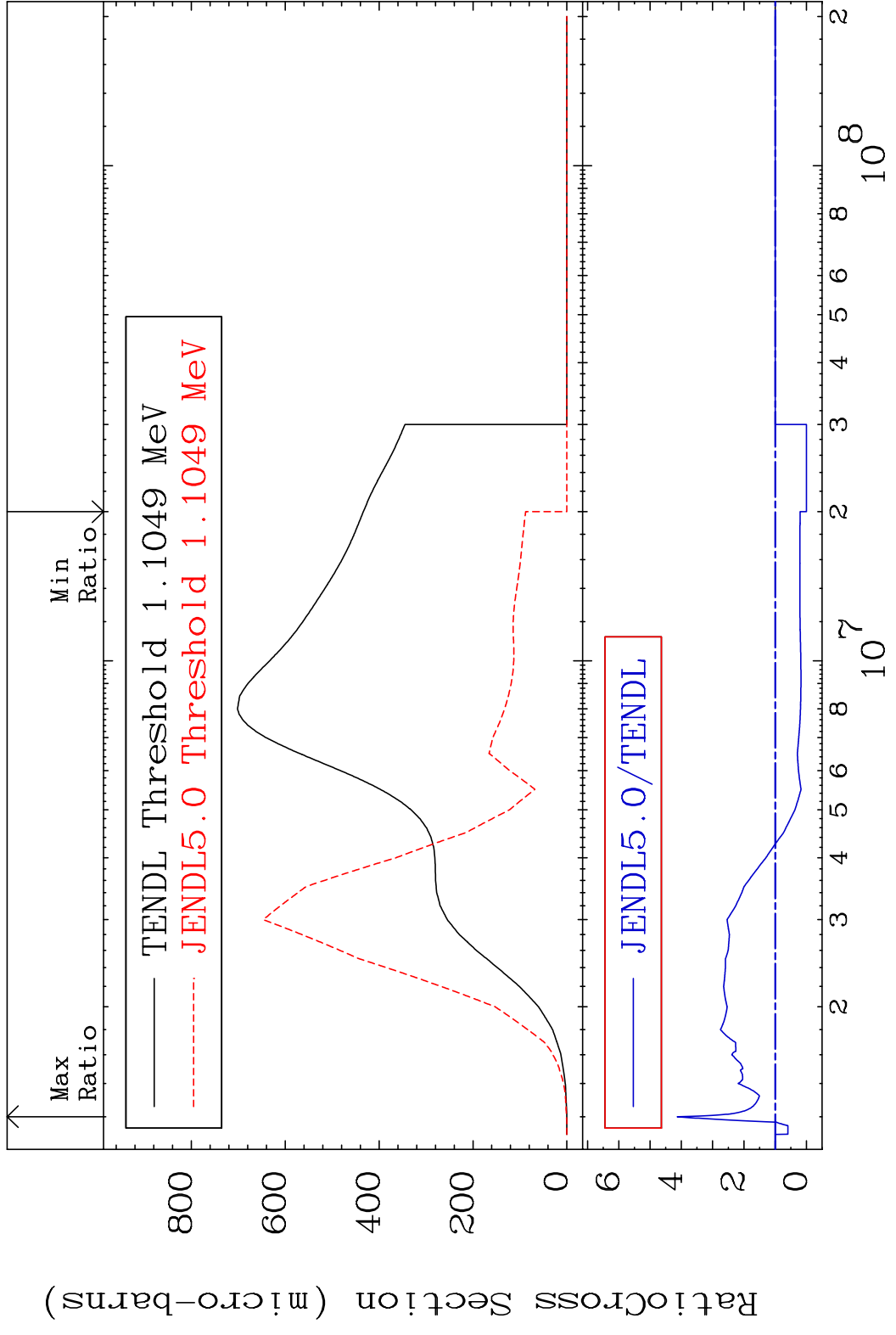
16 Incident Energy (eV) 70-Yb-166

MAT 7019 MT= 56 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %

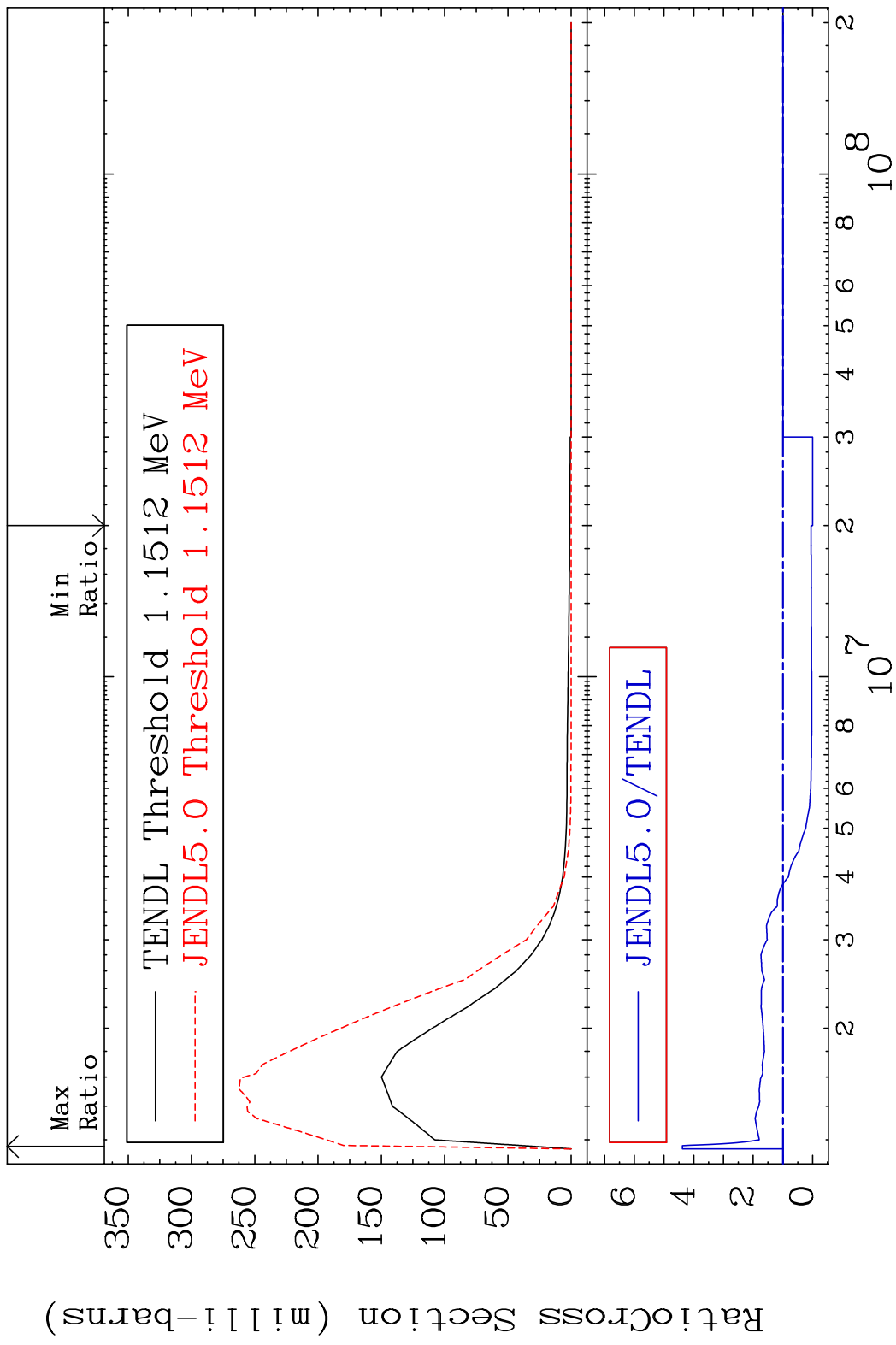


17 Incident Energy (eV) 70-Yb-166

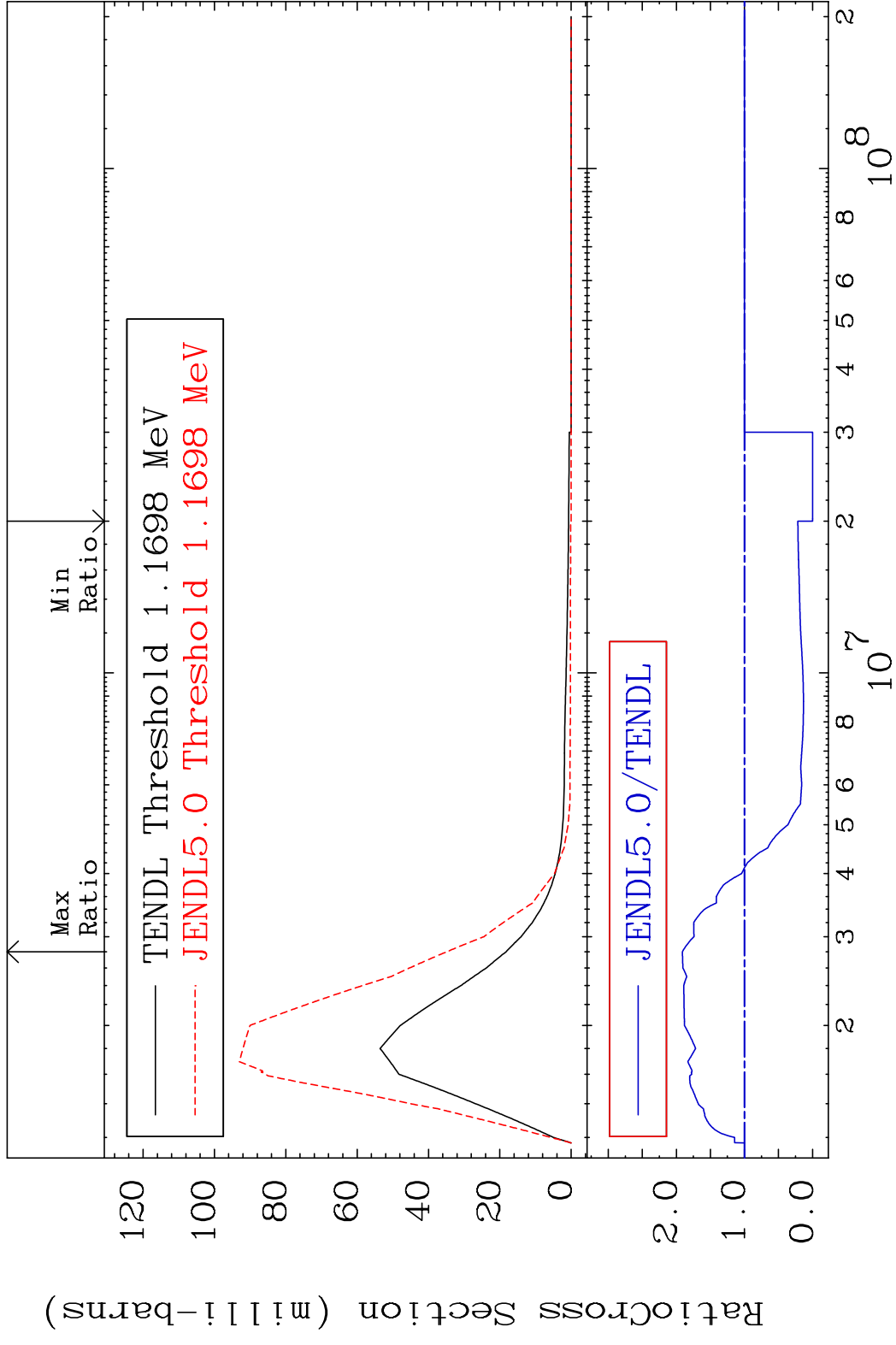
MAT 7019 MT= 57 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 313.4 %



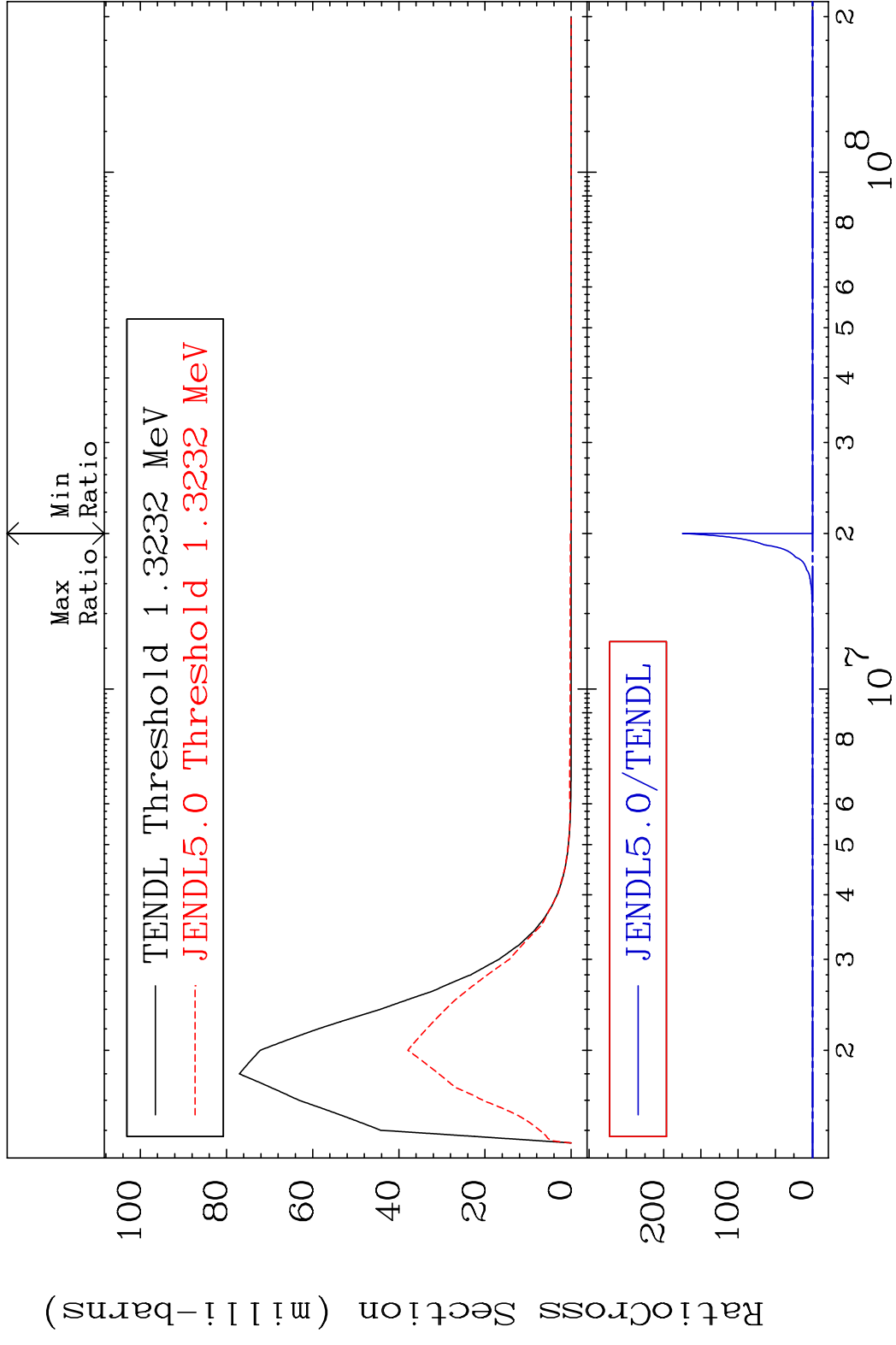
MAT 7019 MT= 58 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 338.2 %



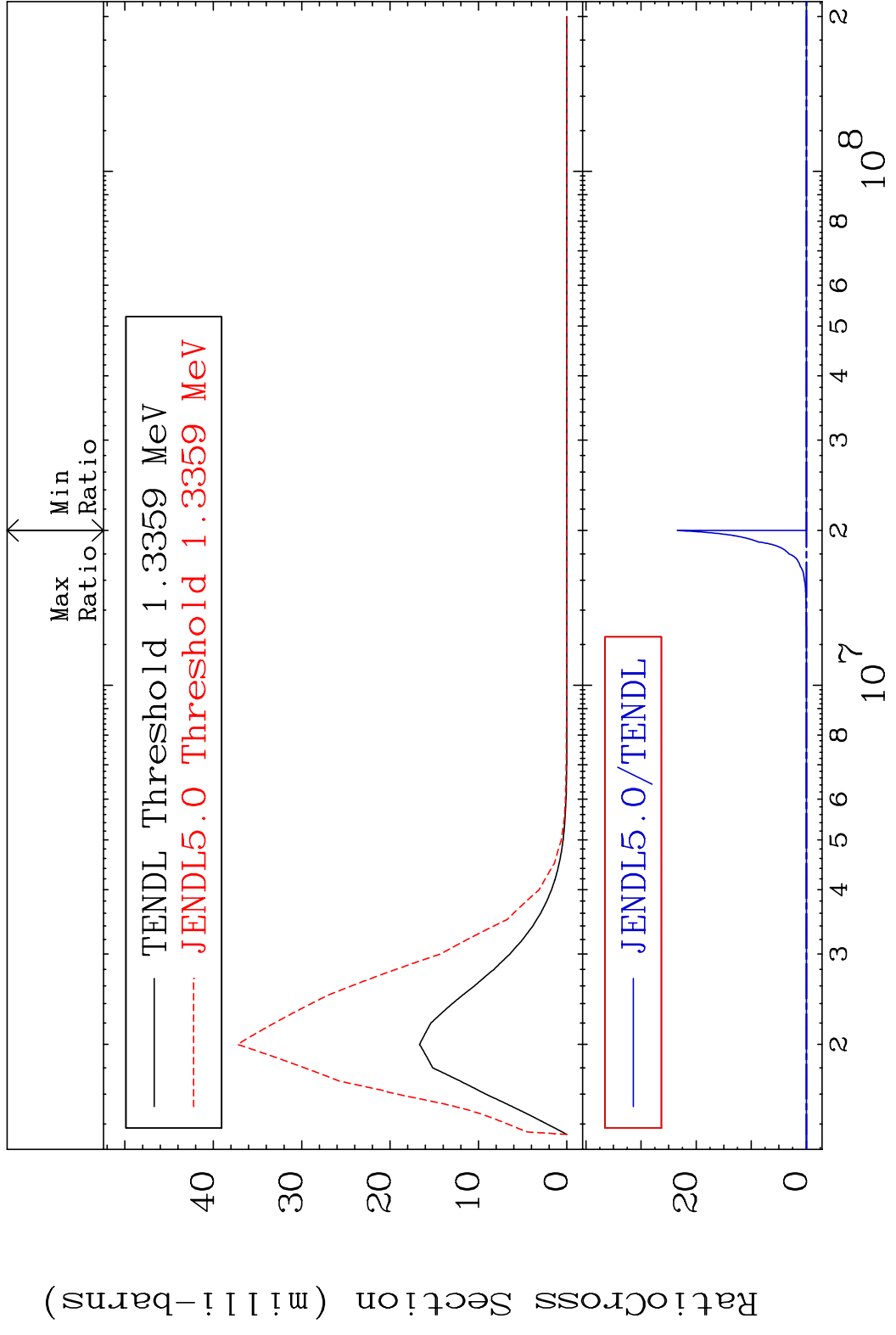
MAT 7019 MT= 59 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 91.18 %



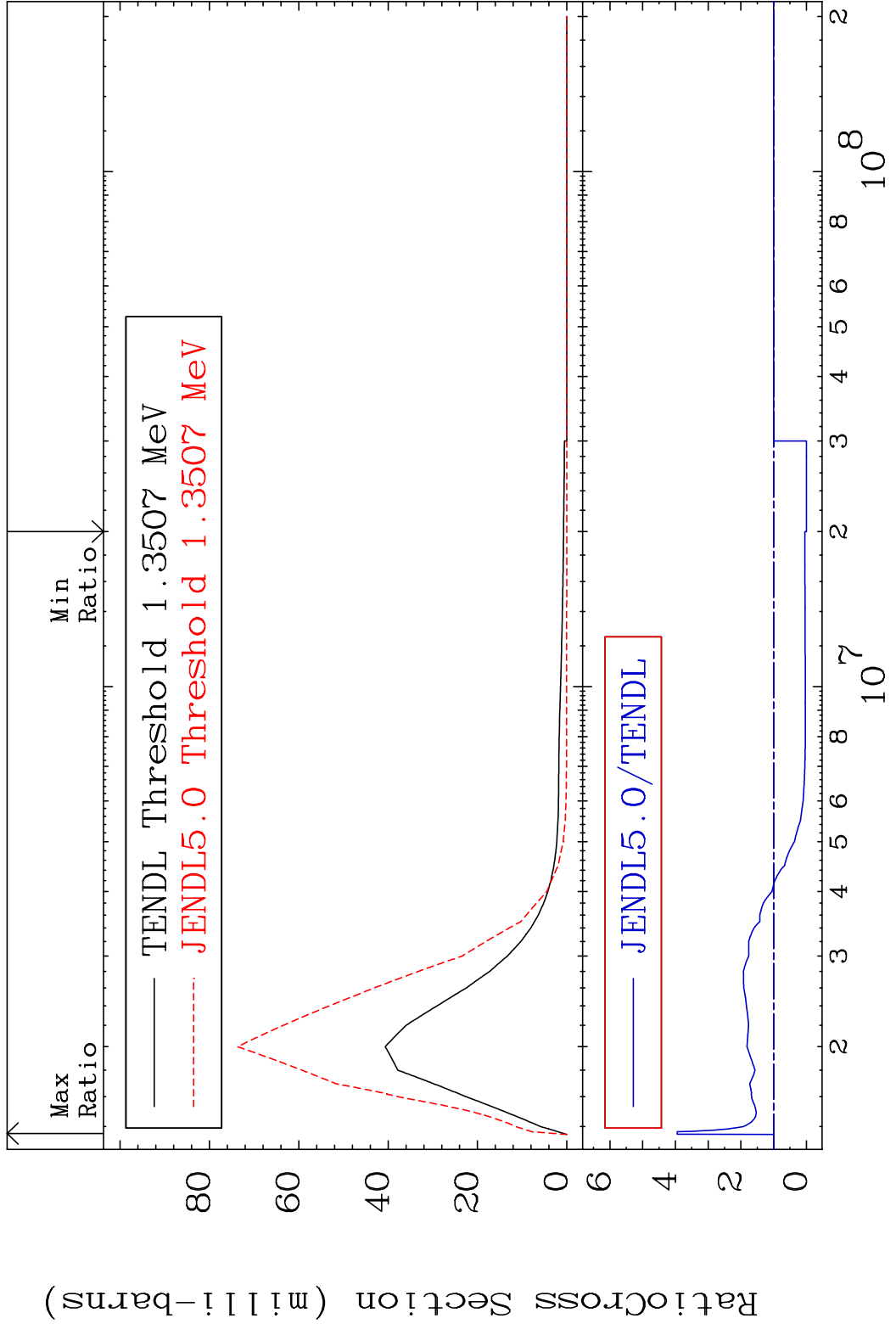
MAT 7019 MT= 60 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %



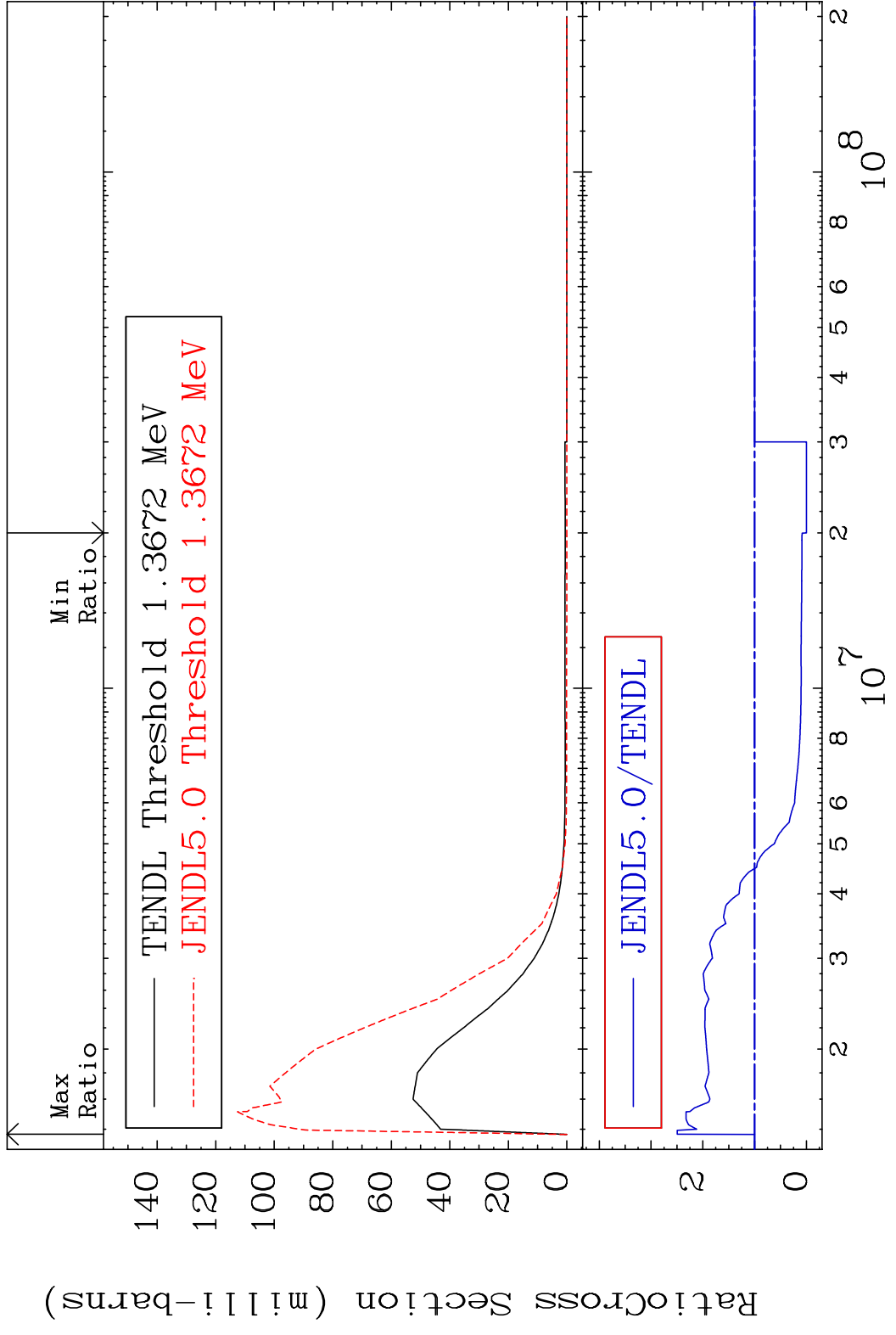
MAT 7019 MT= 61 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %



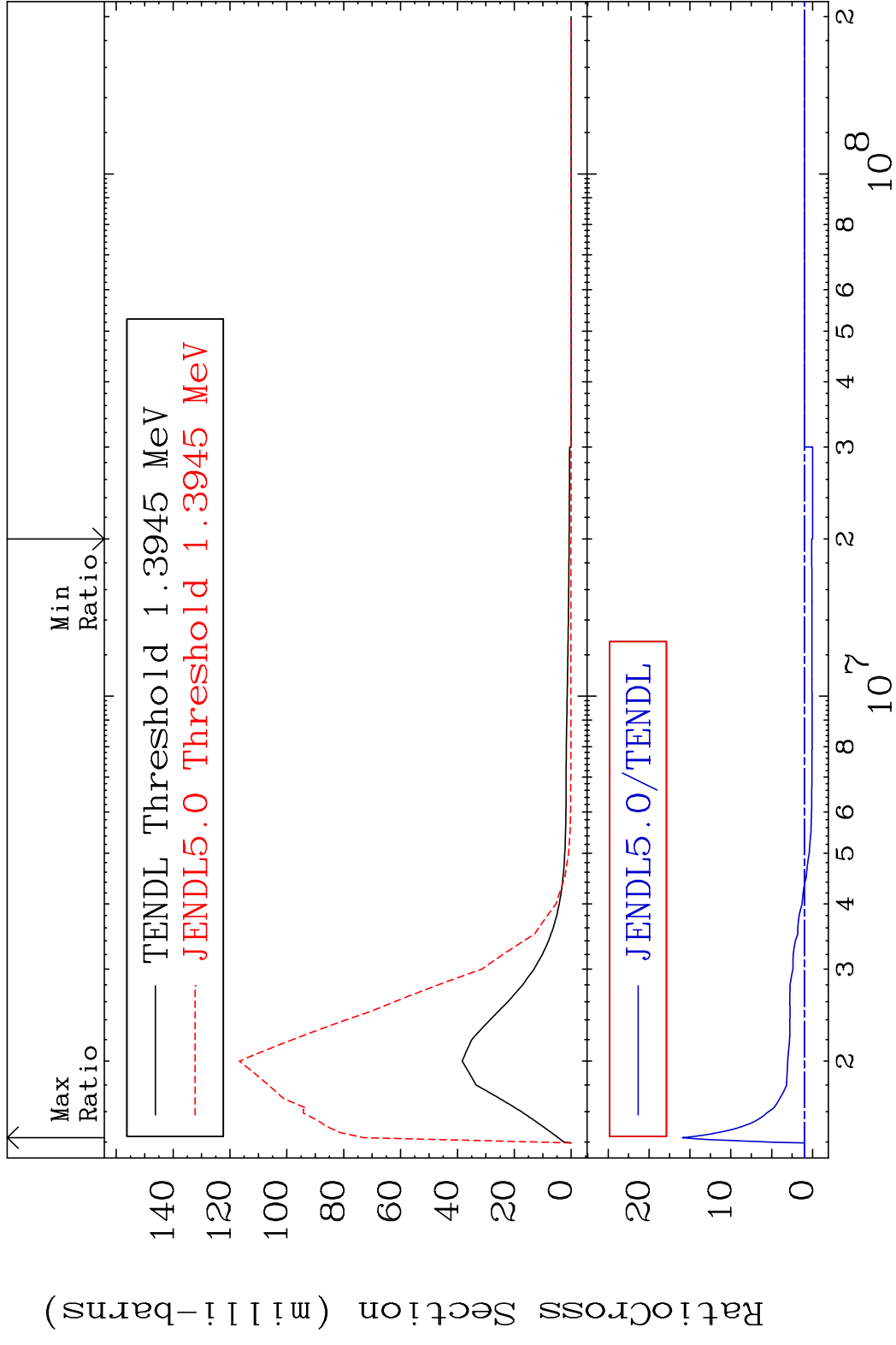
MAT 7019 MT= 62 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 294.5 %



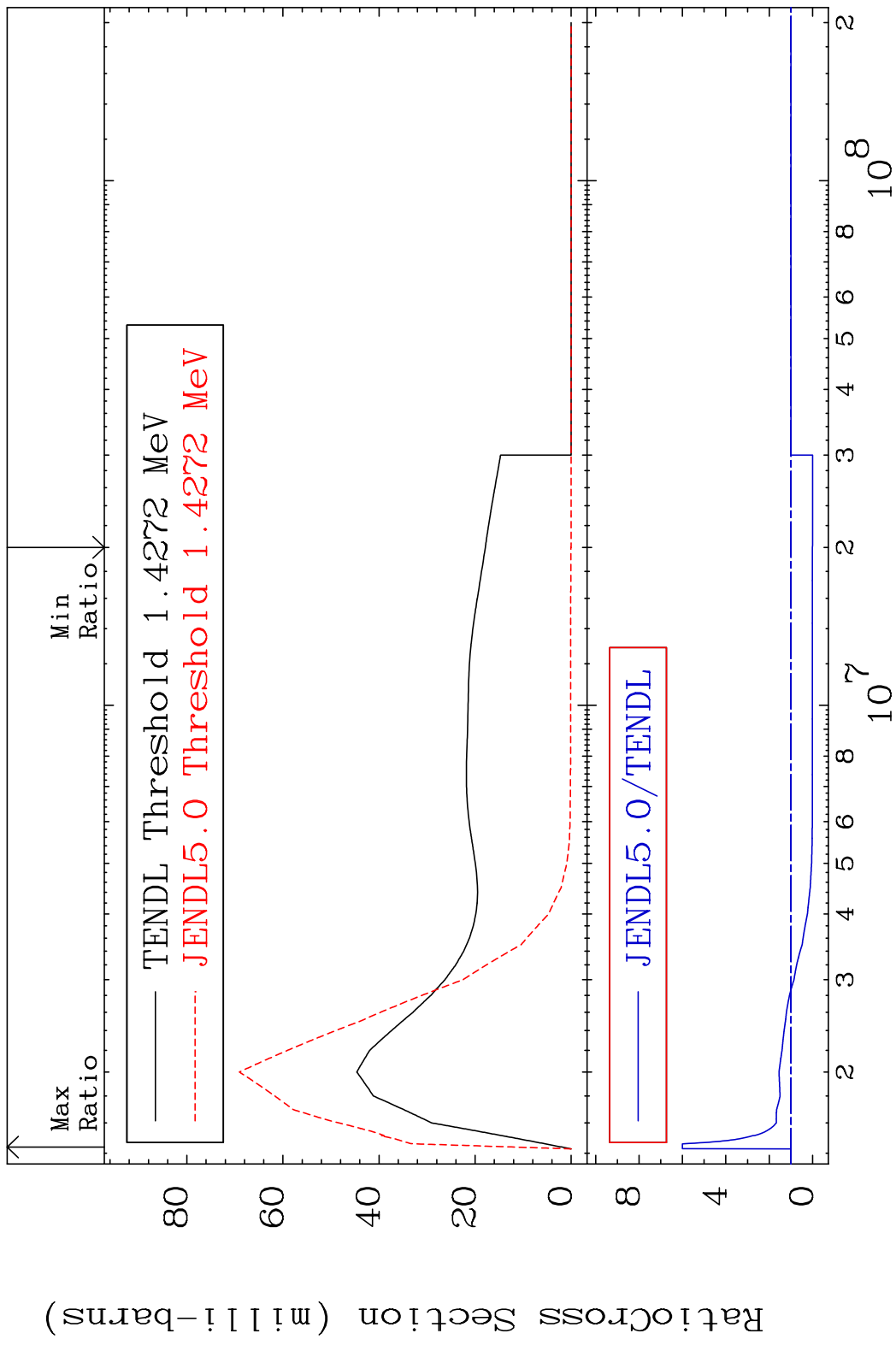
MAT 7019 MT= 63 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 149.6 %



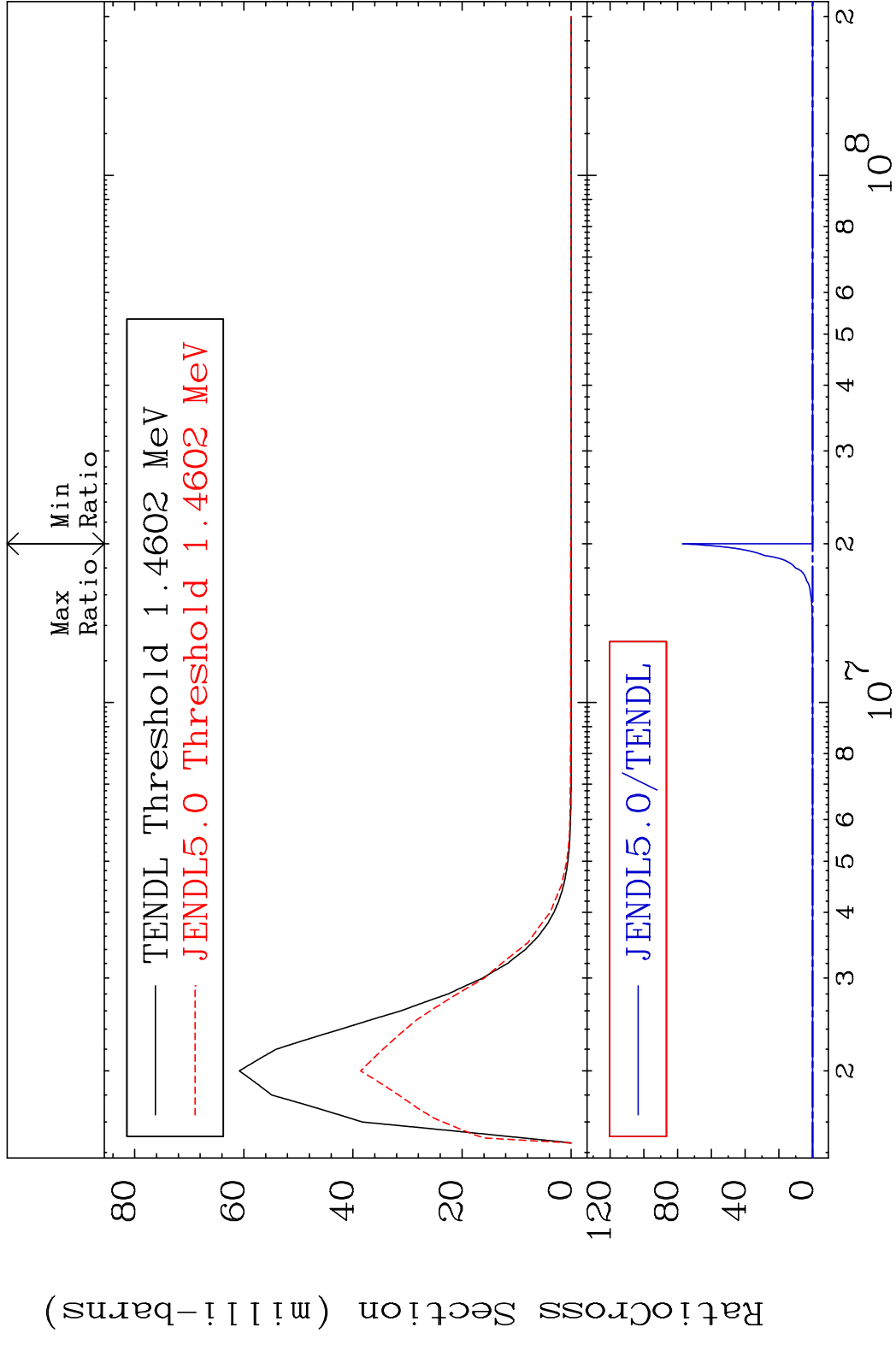
MAT 7019 MT= 64 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 1493. %



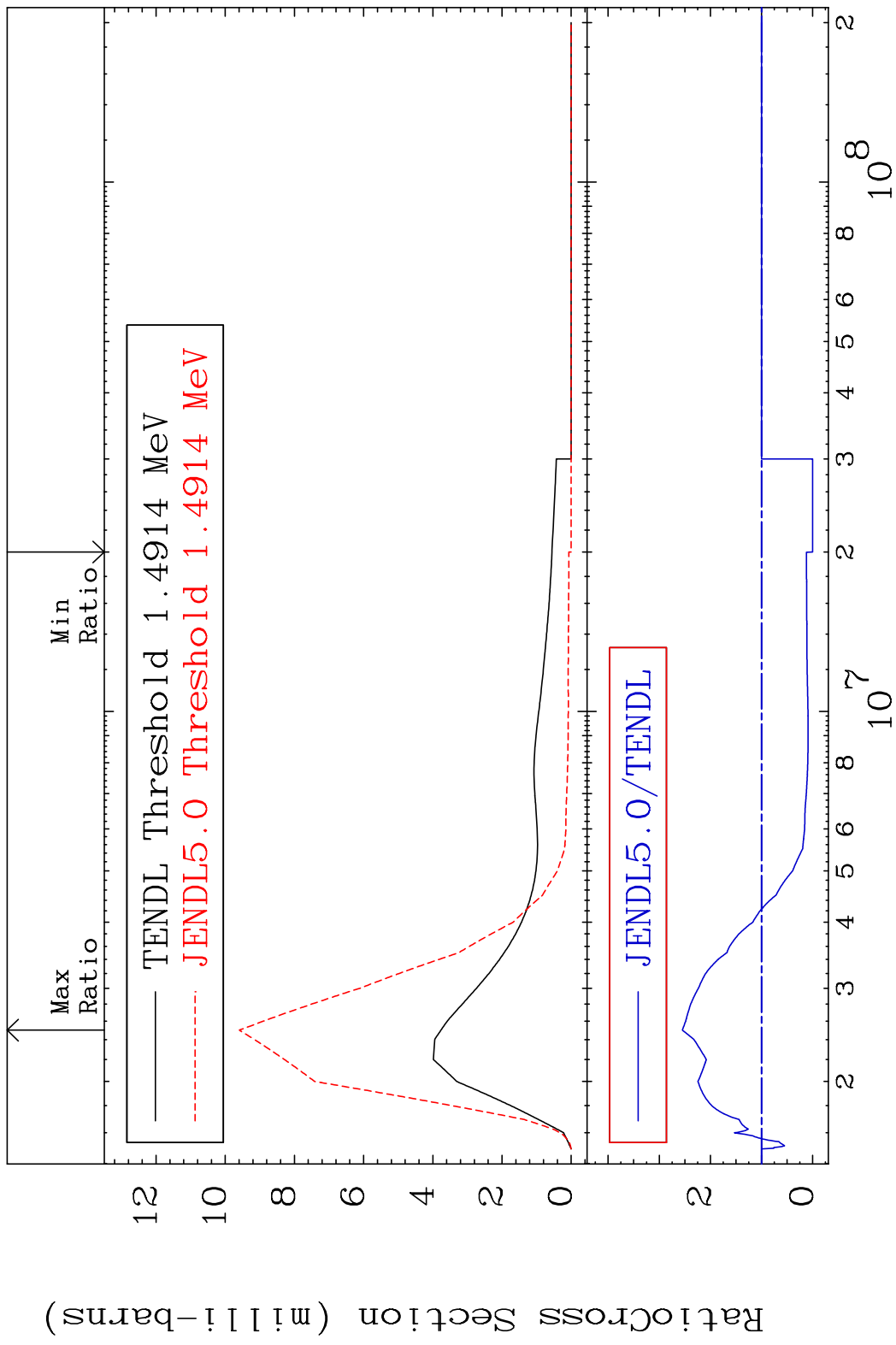
MAT 7019 MT= 65 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 500.4 %



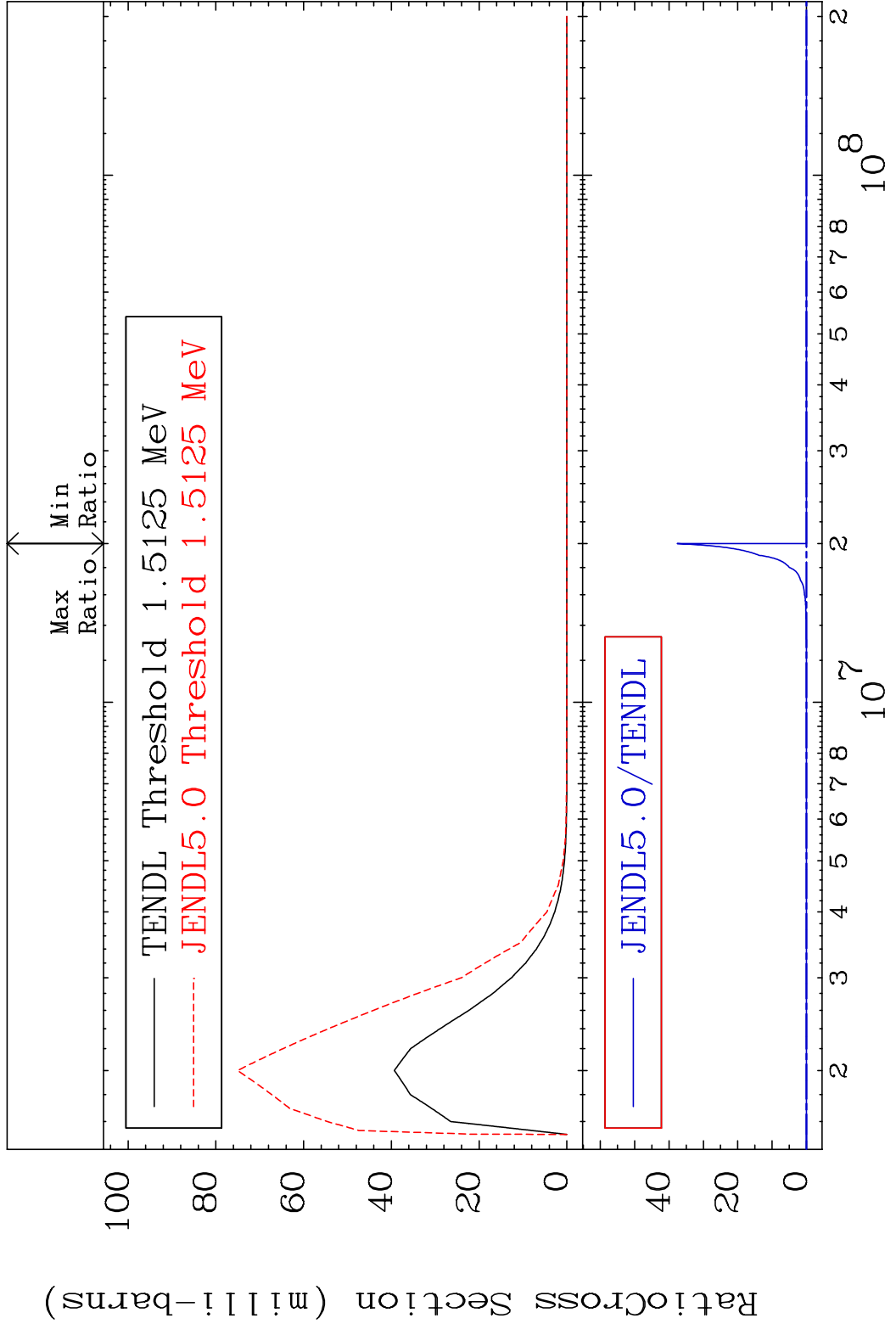
MAT 7019 MT= 66 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %



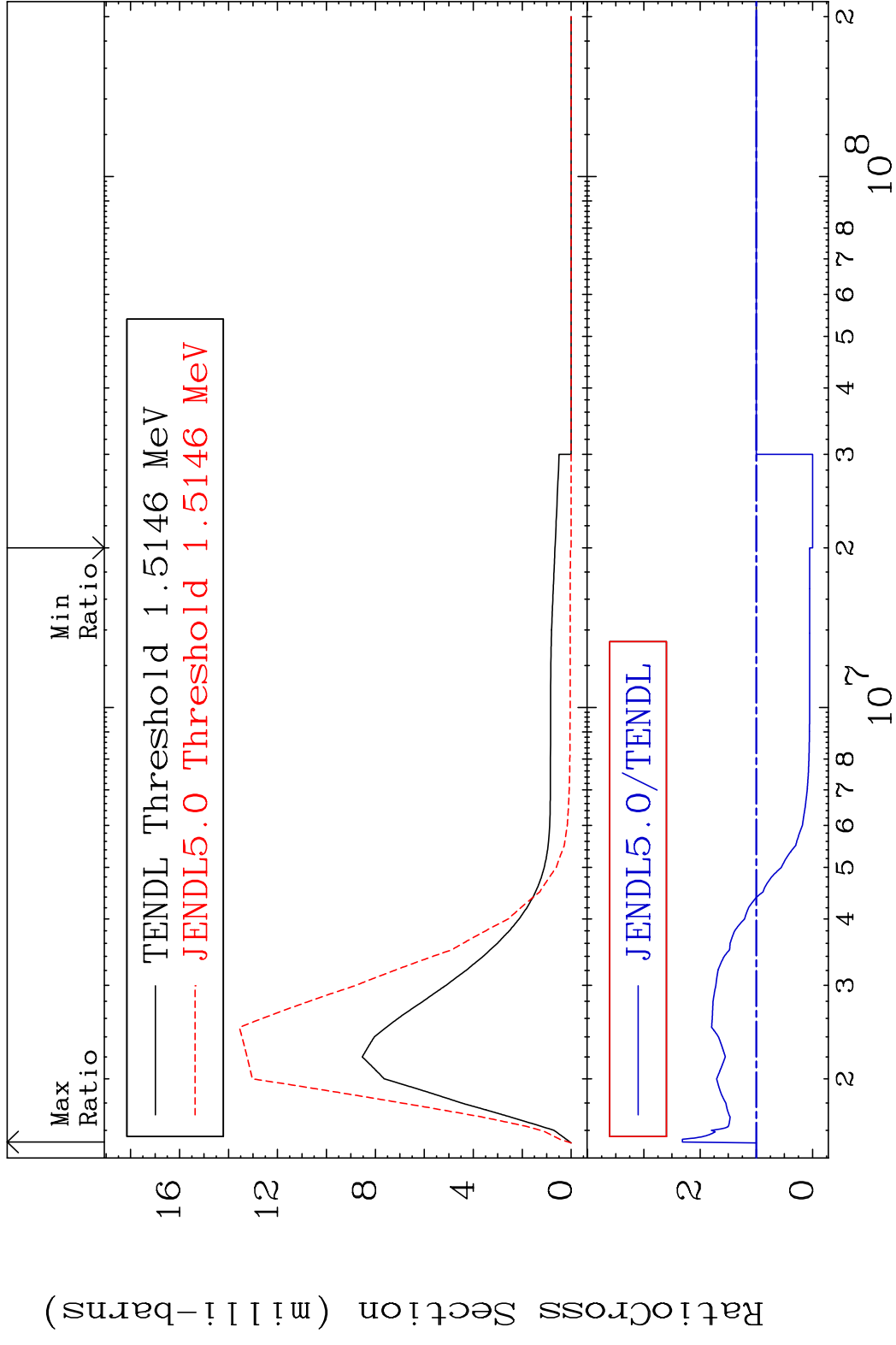
MAT 7019 MT= 67 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 154.8 %



MAT 7019 MT= 68 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %

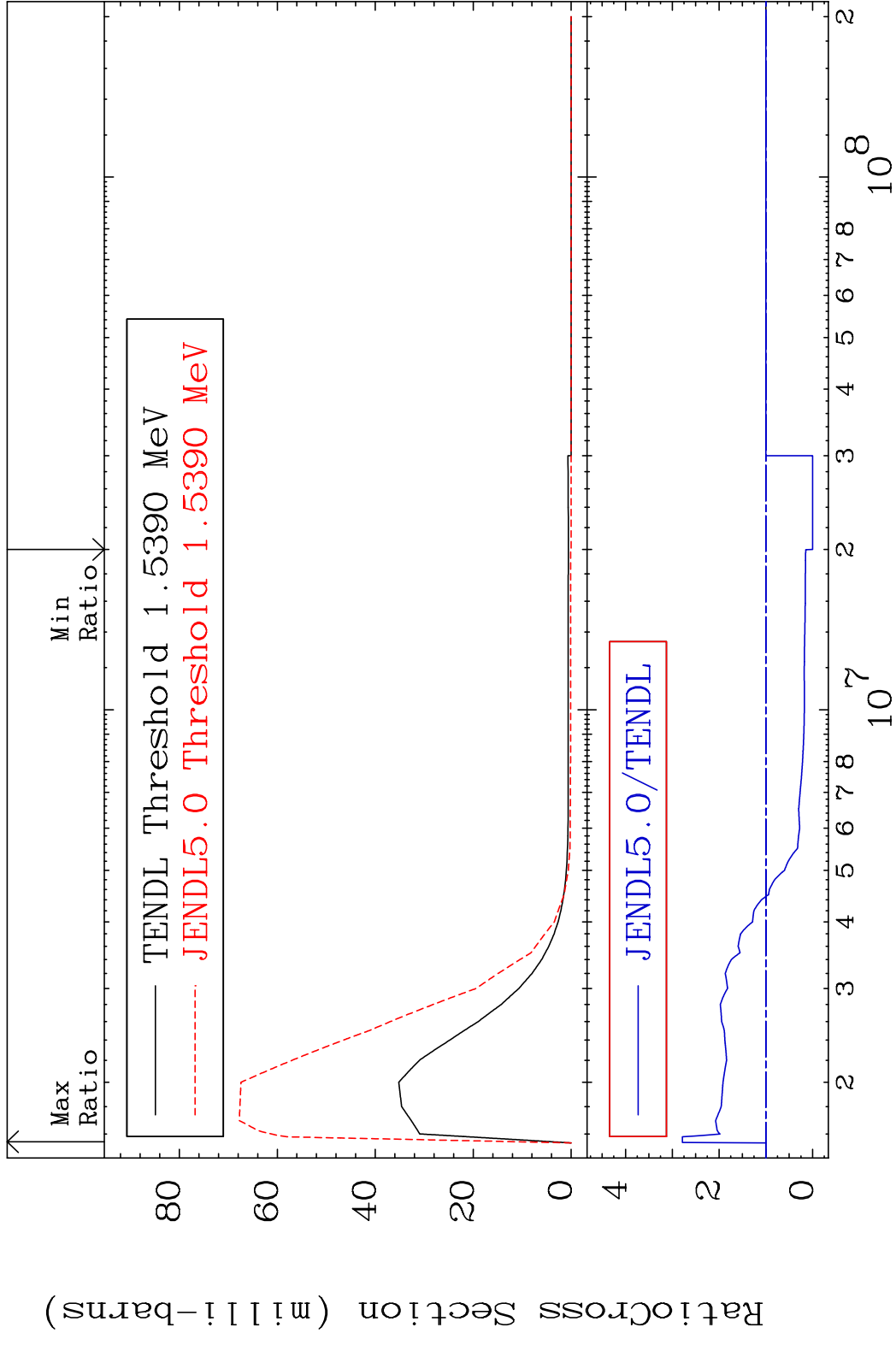


MAT 7019 MT= 69 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 131.5 %

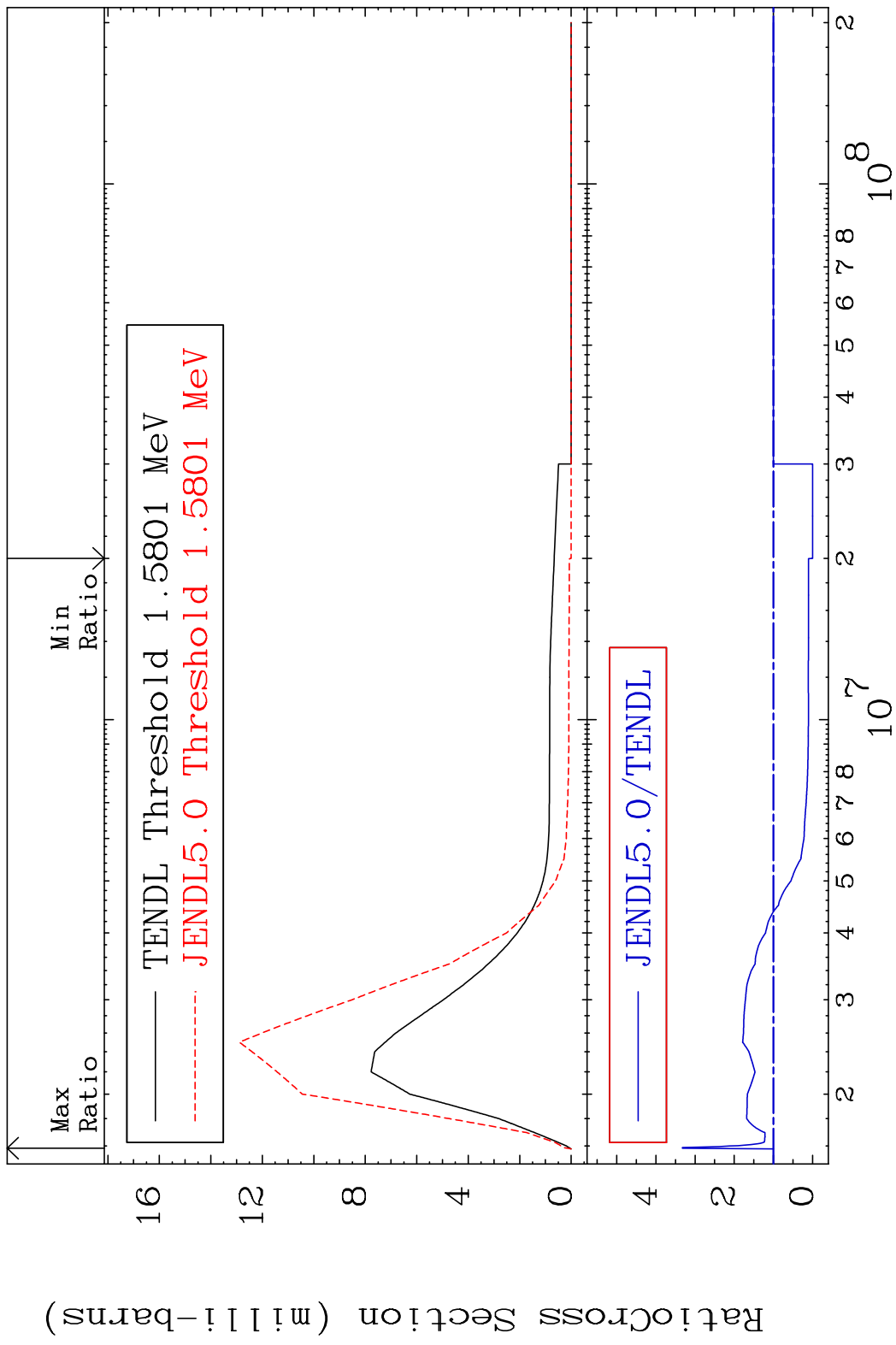


30 Incident Energy (eV) 70-Yb-166

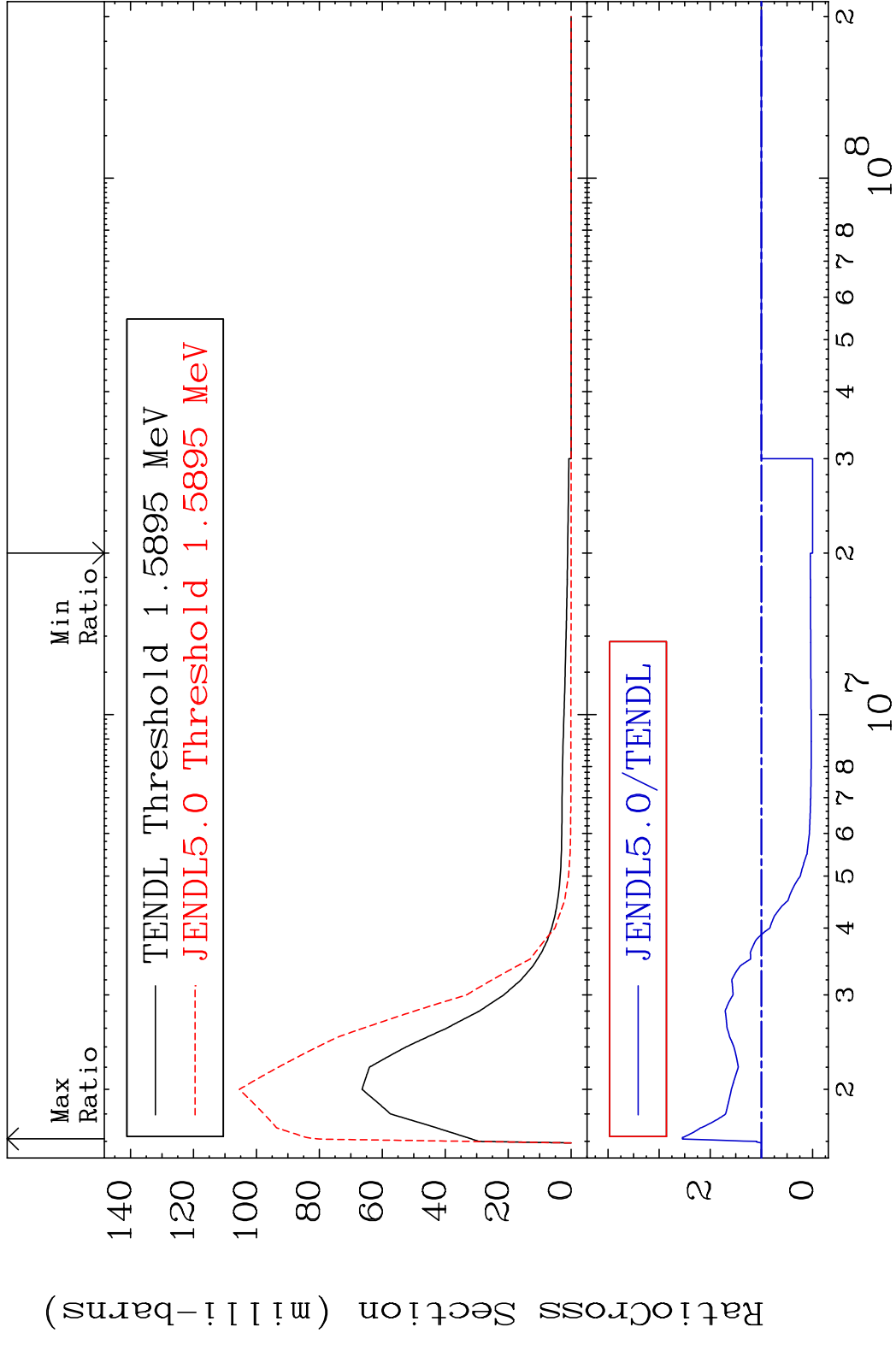
MAT 7019 MT= 70 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 178.4 %



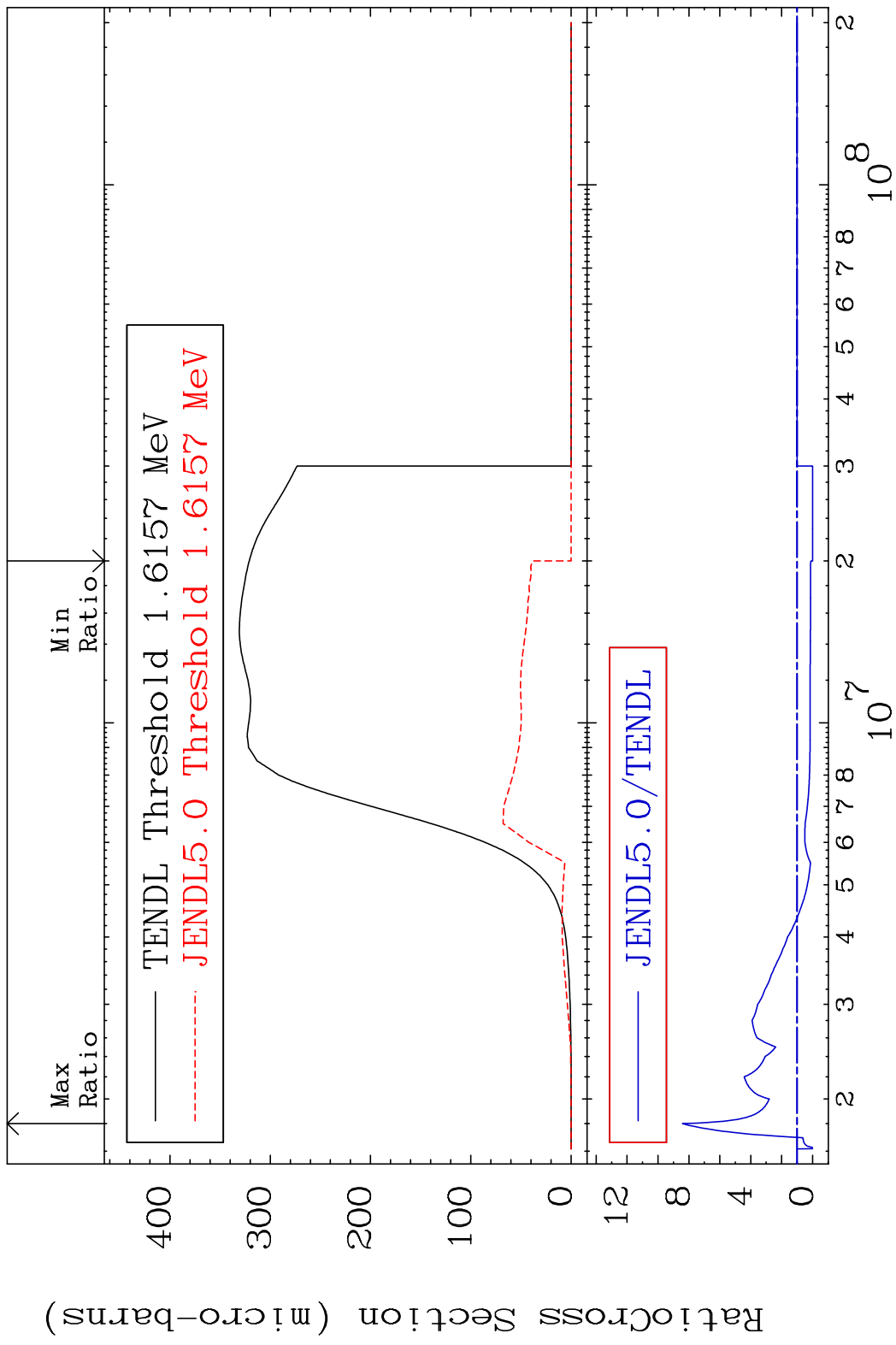
MAT 7019 MT= 71 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 232.4 %



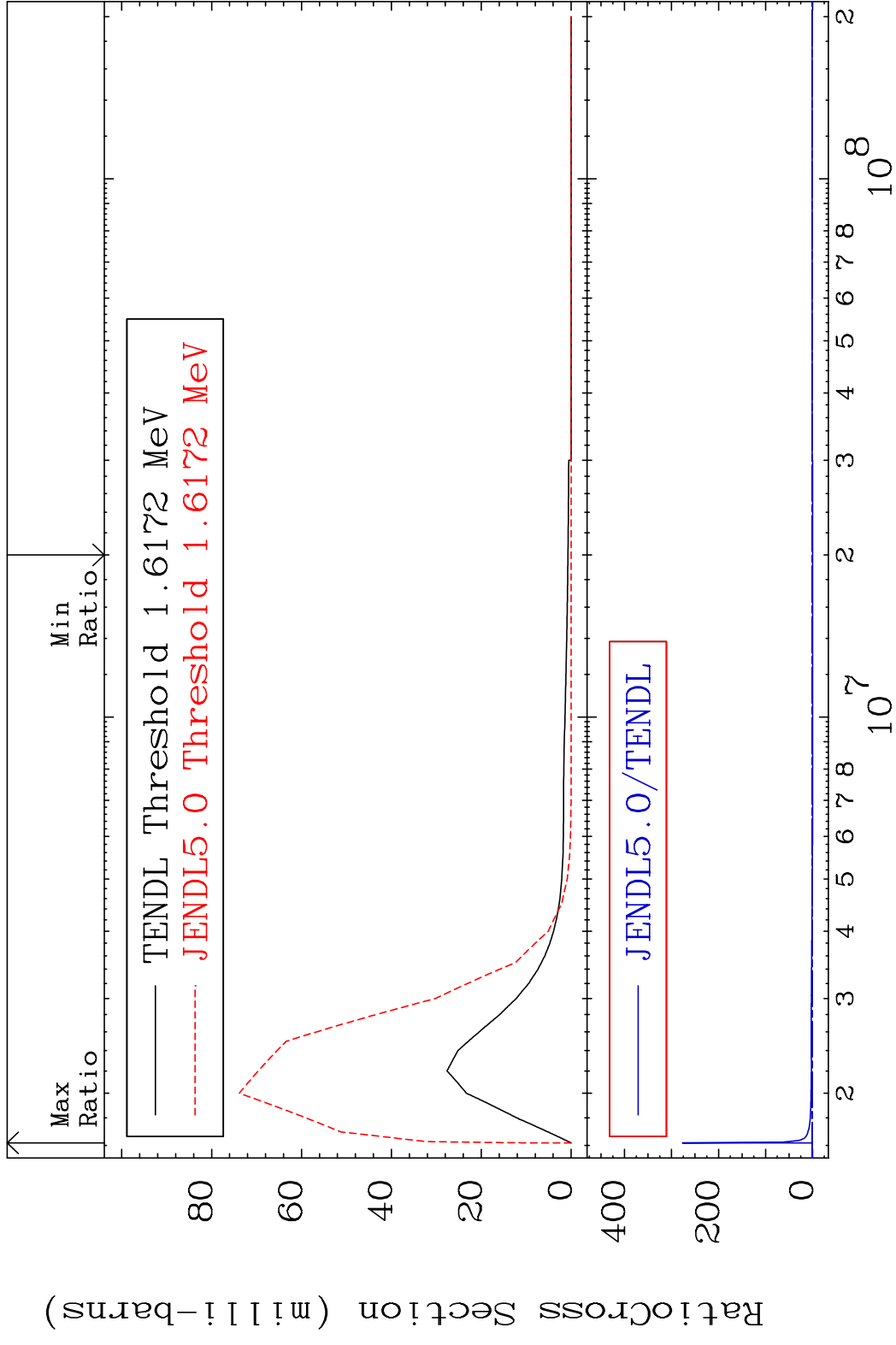
MAT 7019 MT= 72 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 154.5 %



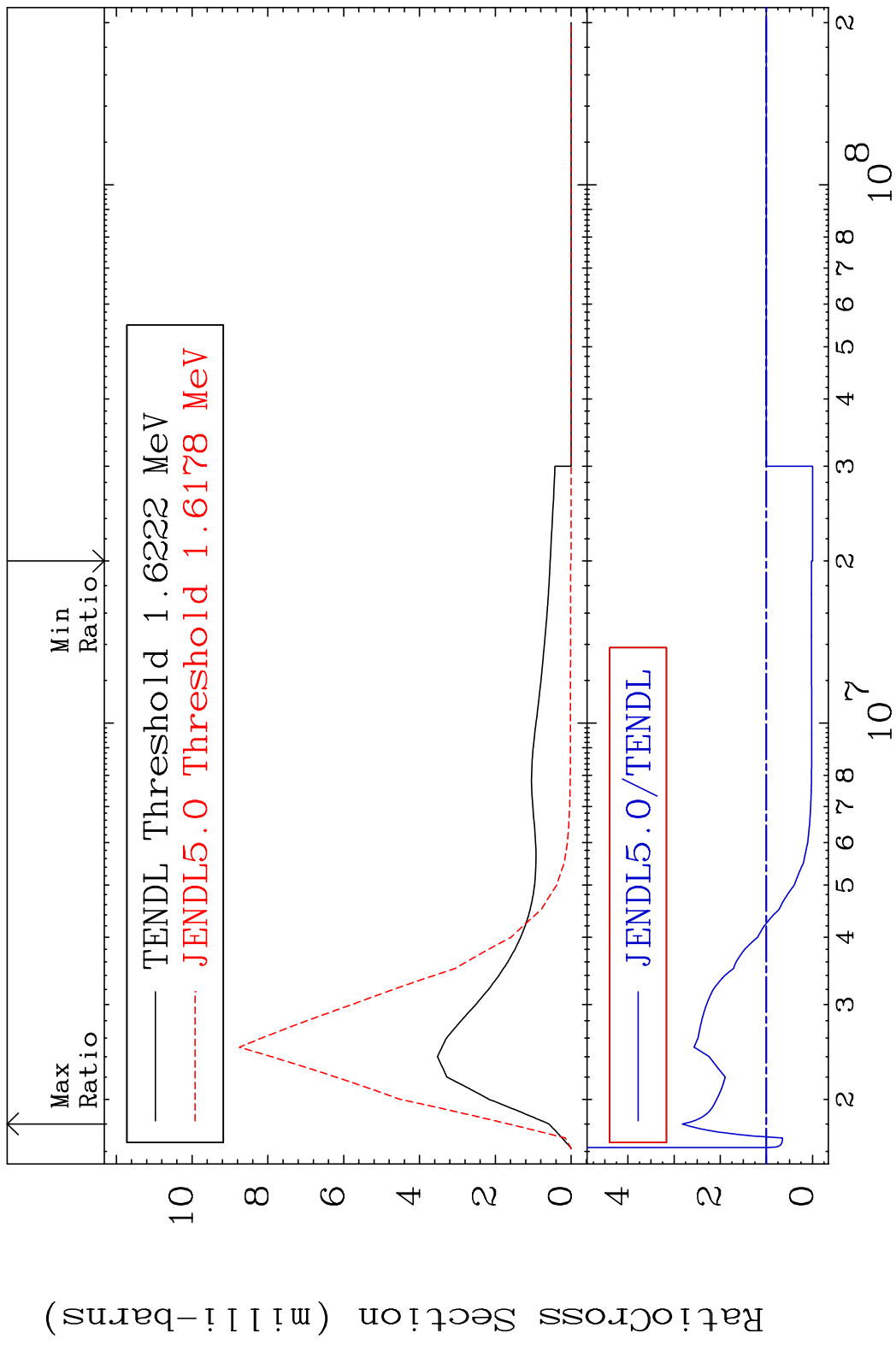
MAT 7019 MT= 73 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 742.3 %



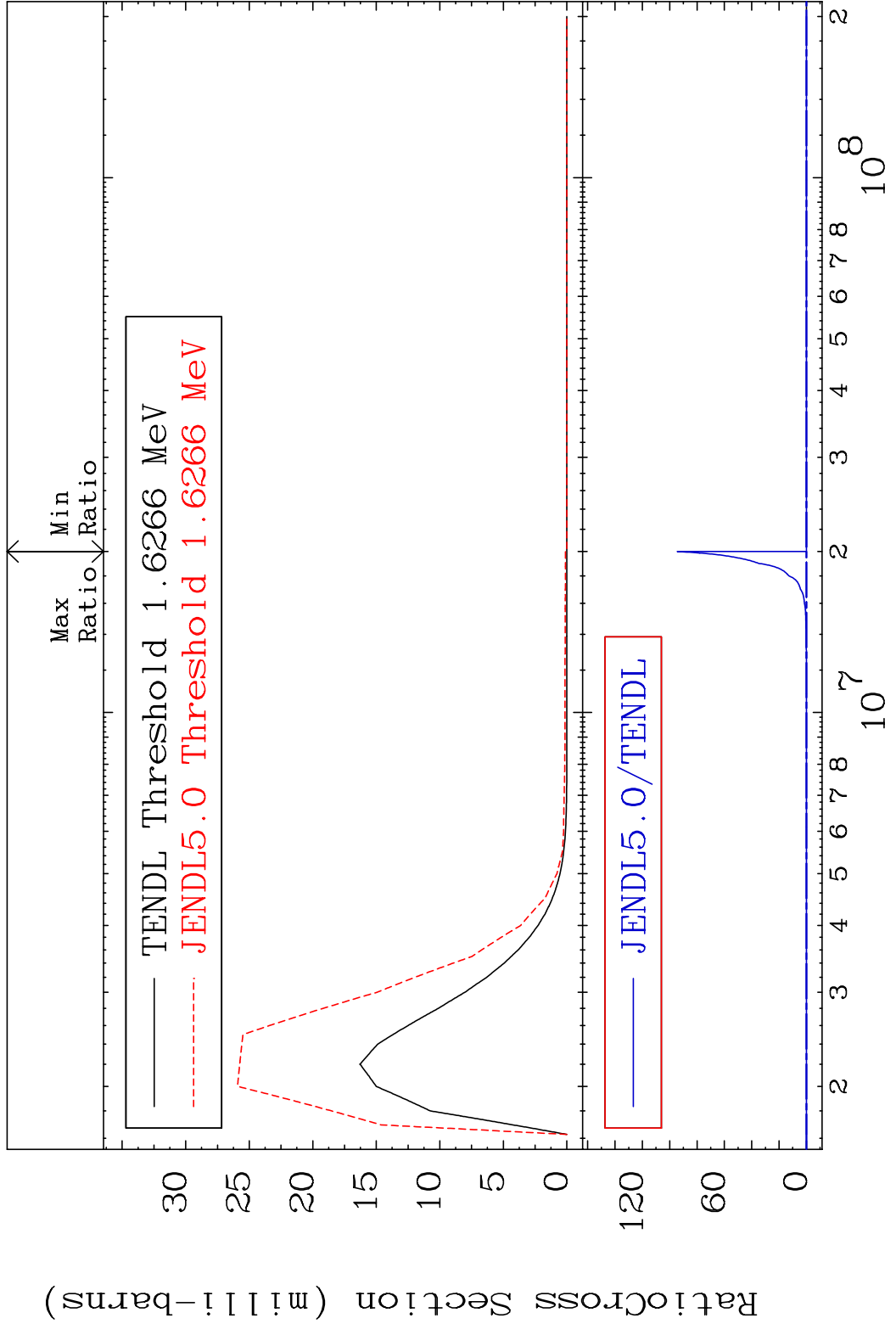
MAT 7019 MT= 74 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %



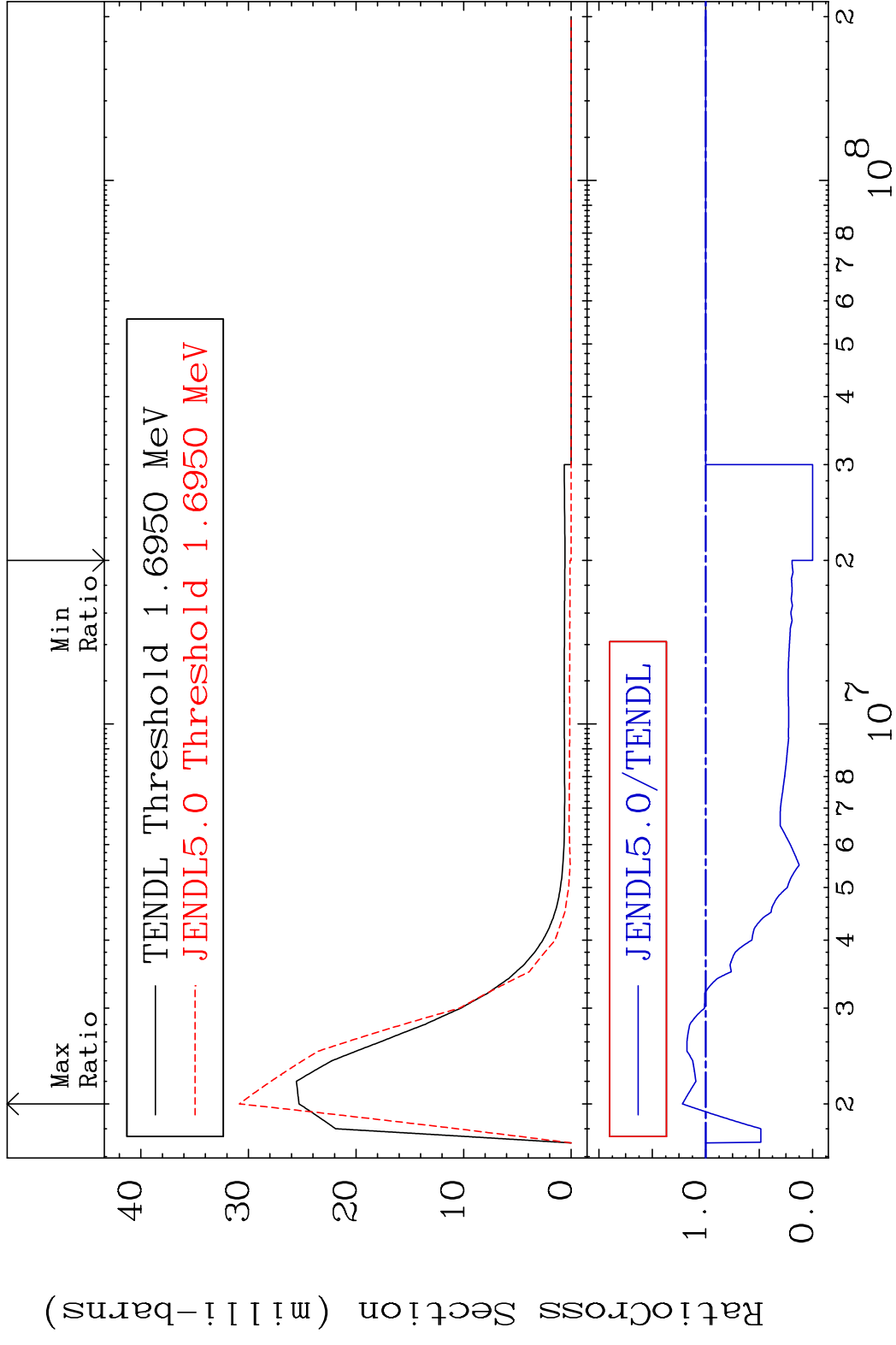
MAT 7019 MT= 75 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 182.1 %



MAT 7019 MT= 76 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 9999. %



MAT 7019 MT= 77 (n, n') Level 70-Yb-166
 Cross Section -100.0 To 21.92 %

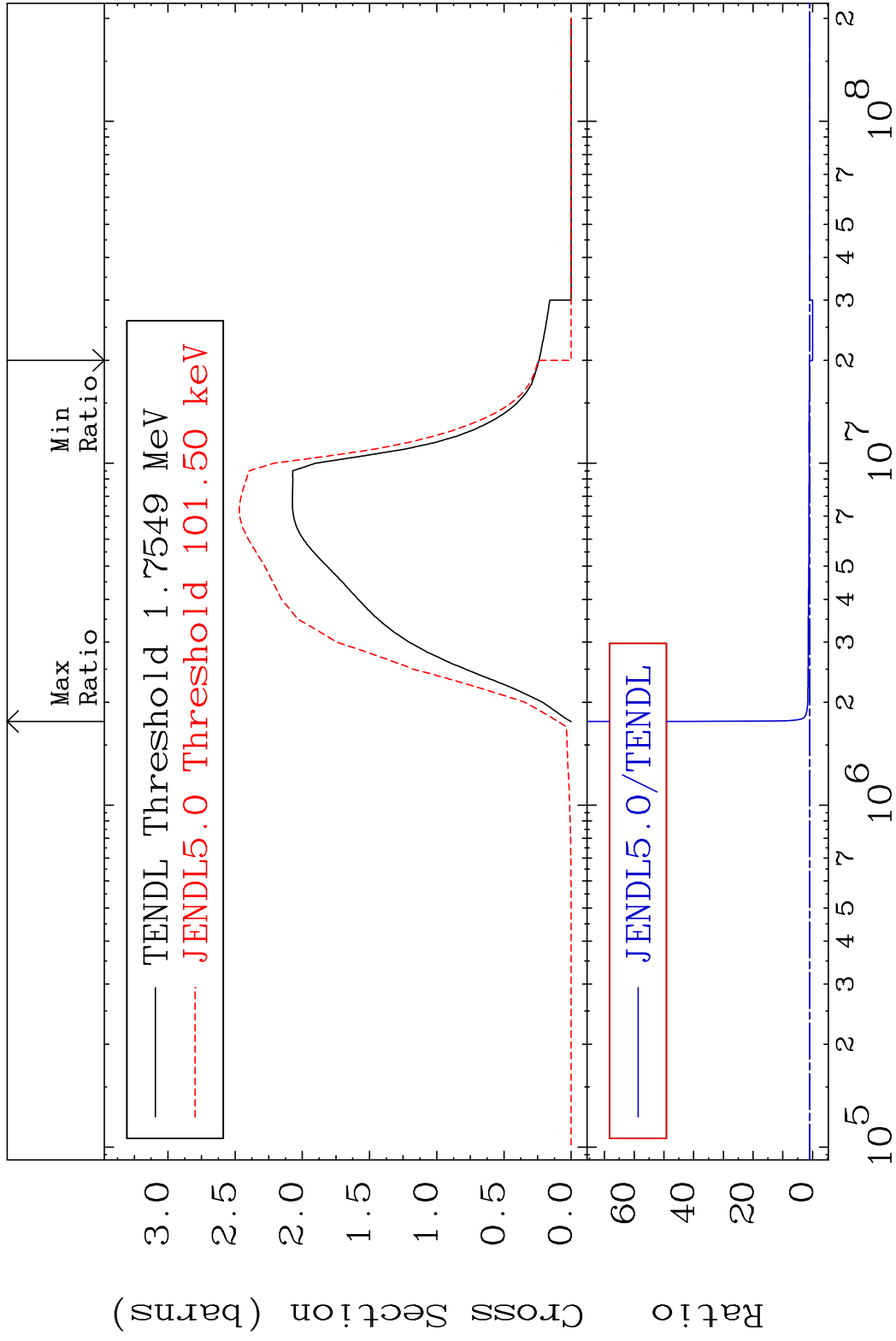


MAT 7019

(n, n') Continuum

70-Yb-166

Cross Section -100.0 To 4280. %



39

Incident Energy (eV)

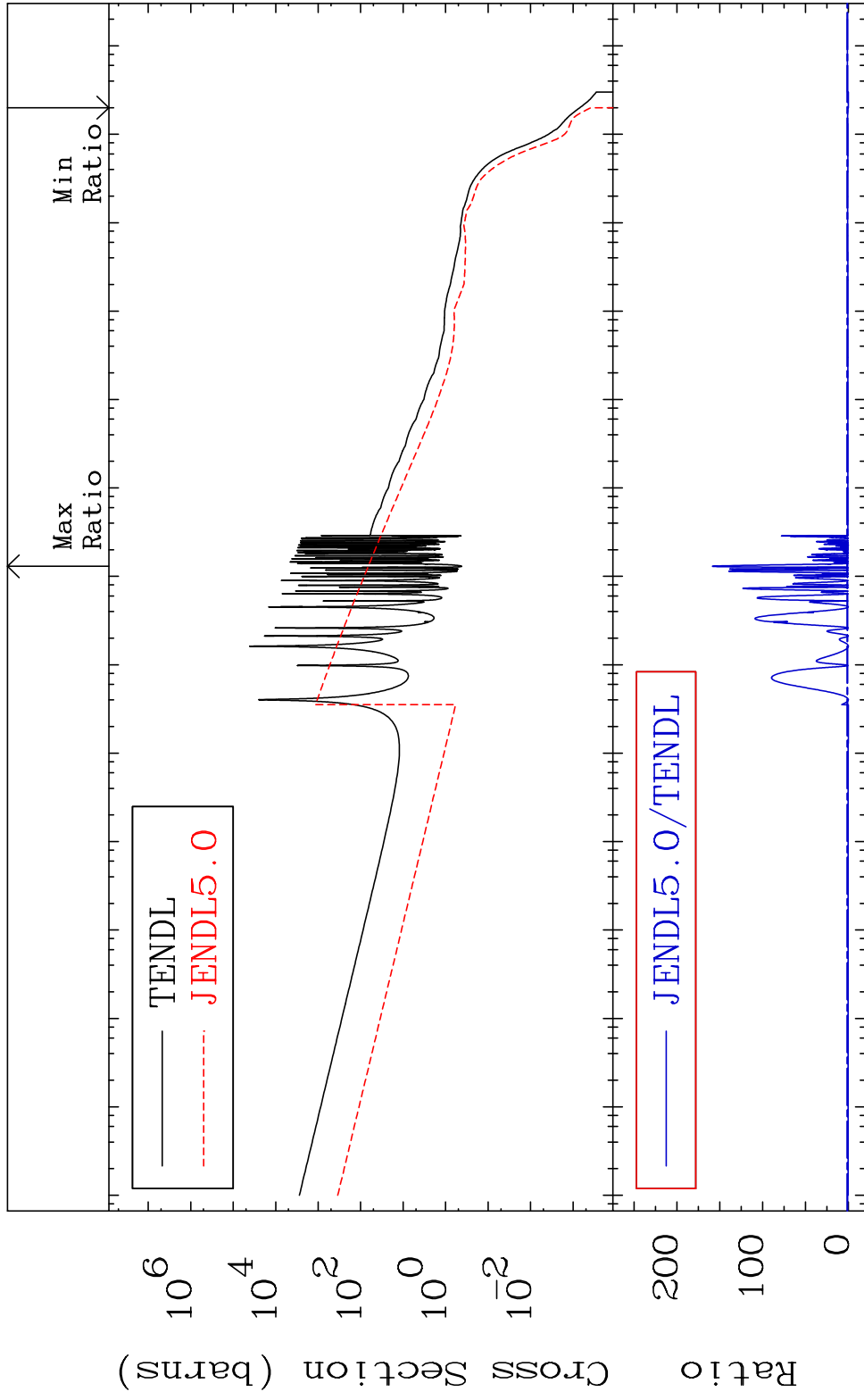
70-Yb-166

MAT 7019

(n, γ)

70-Yb-166

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

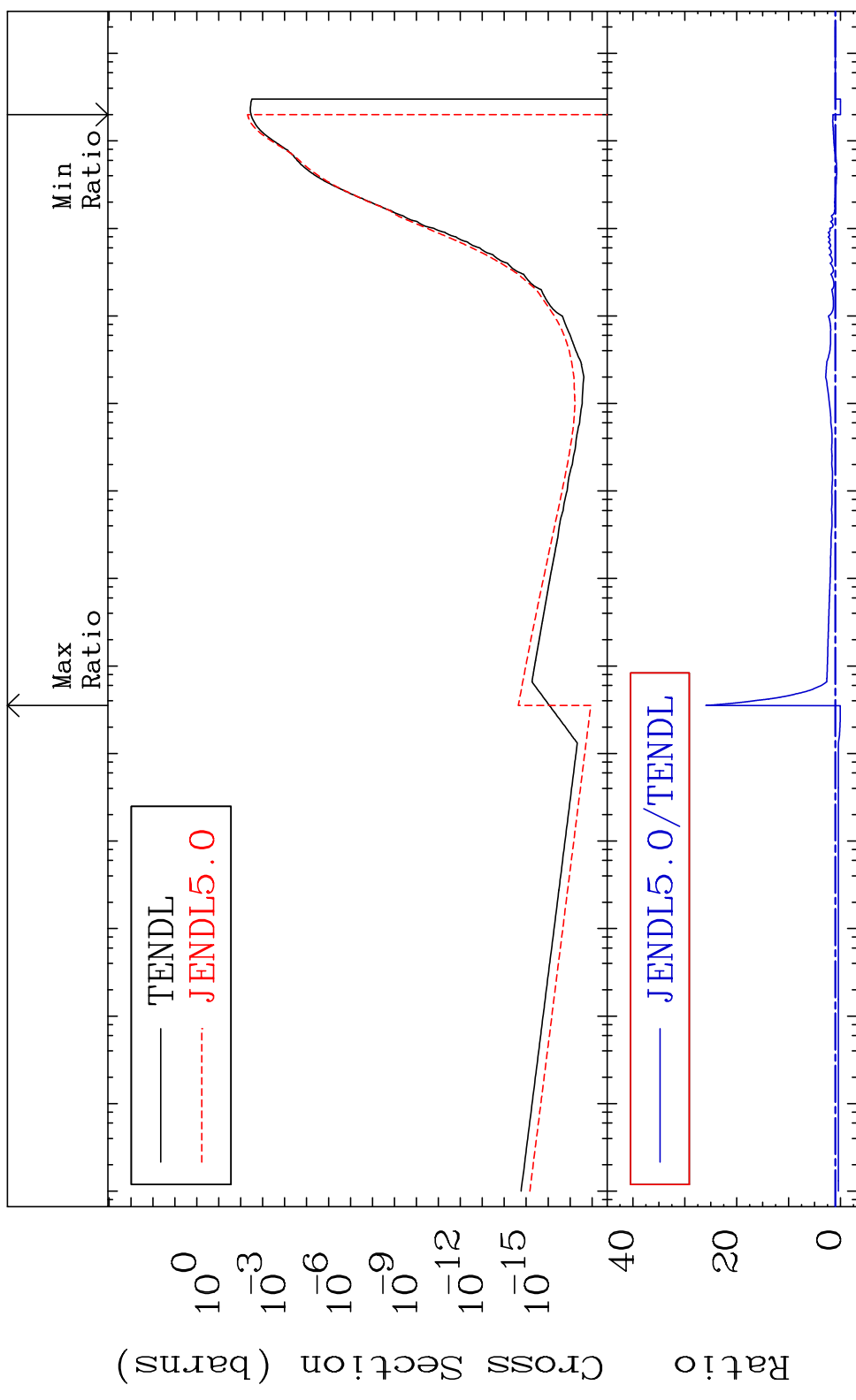
70-Yb-166

MAT 7019

(n, p)

70-Yb-166

Cross Section -100.0 To 2495. %

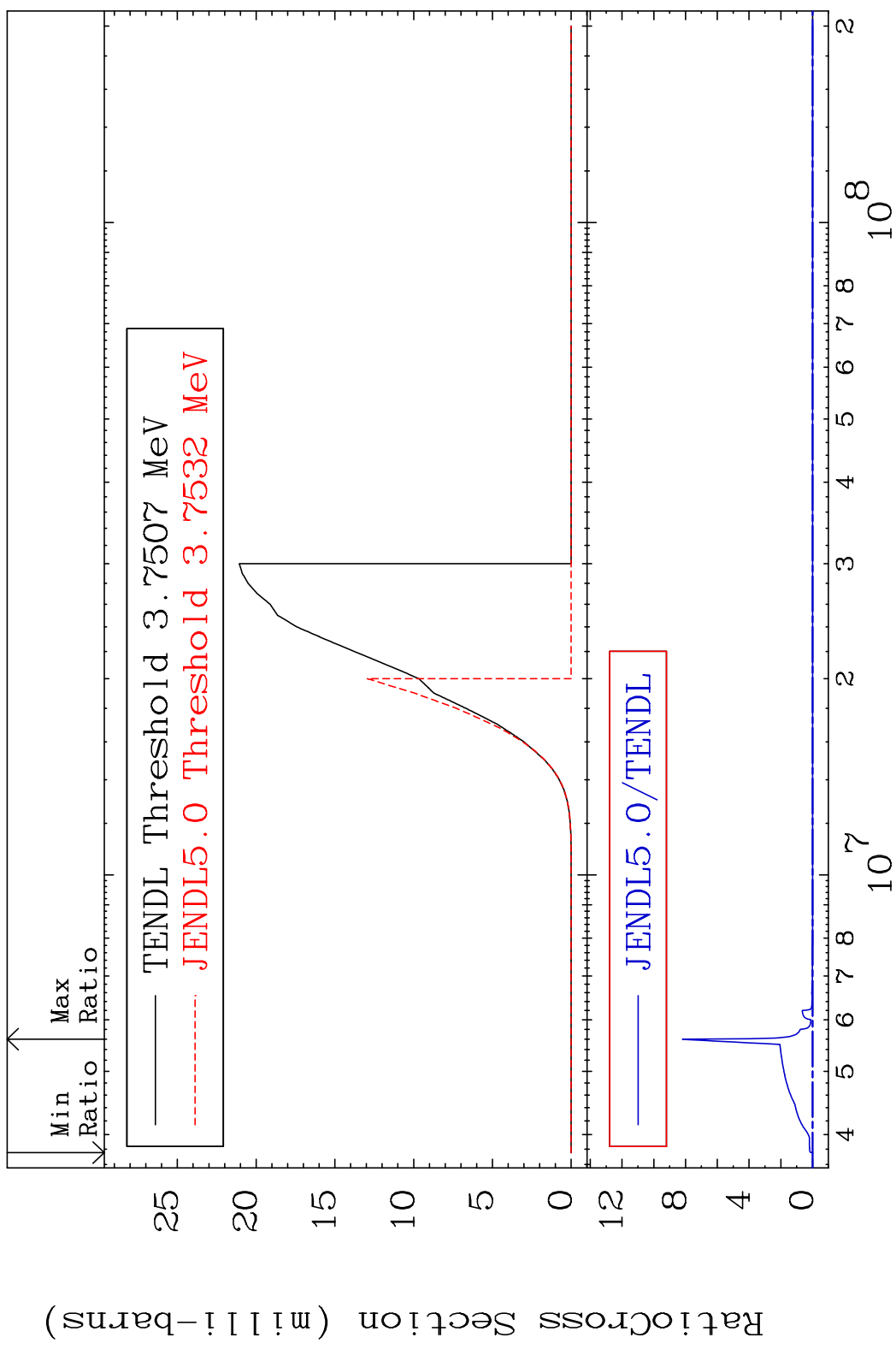


MAT 7019

(n,d)

70-Yb-166

Cross Section -100.0 To 9999. %

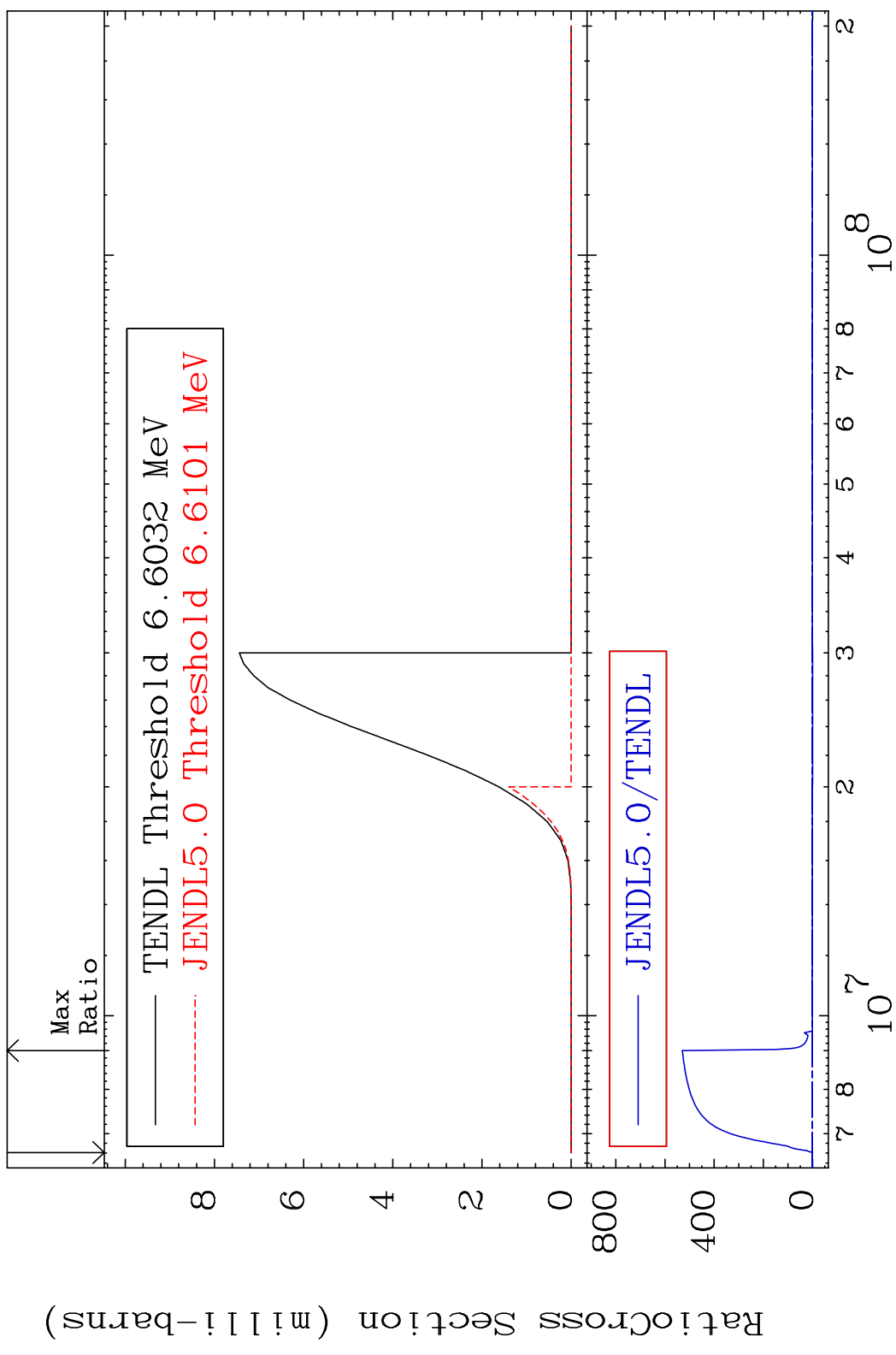


MAT 7019

(n, t)

70-Yb-166

Cross Section -100.0 To 9999. %

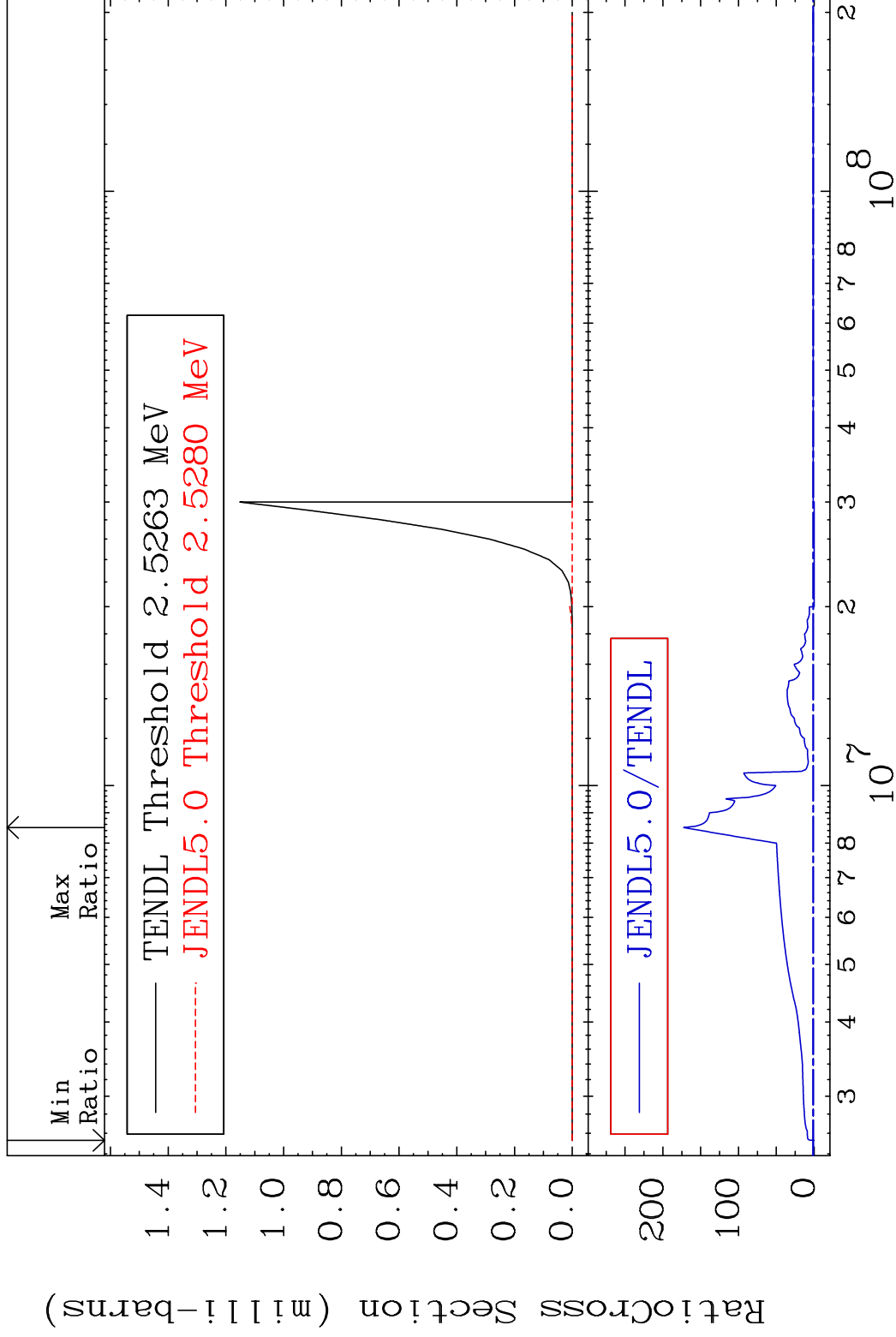


MAT 7019

(n, He-3)

70-Yb-166

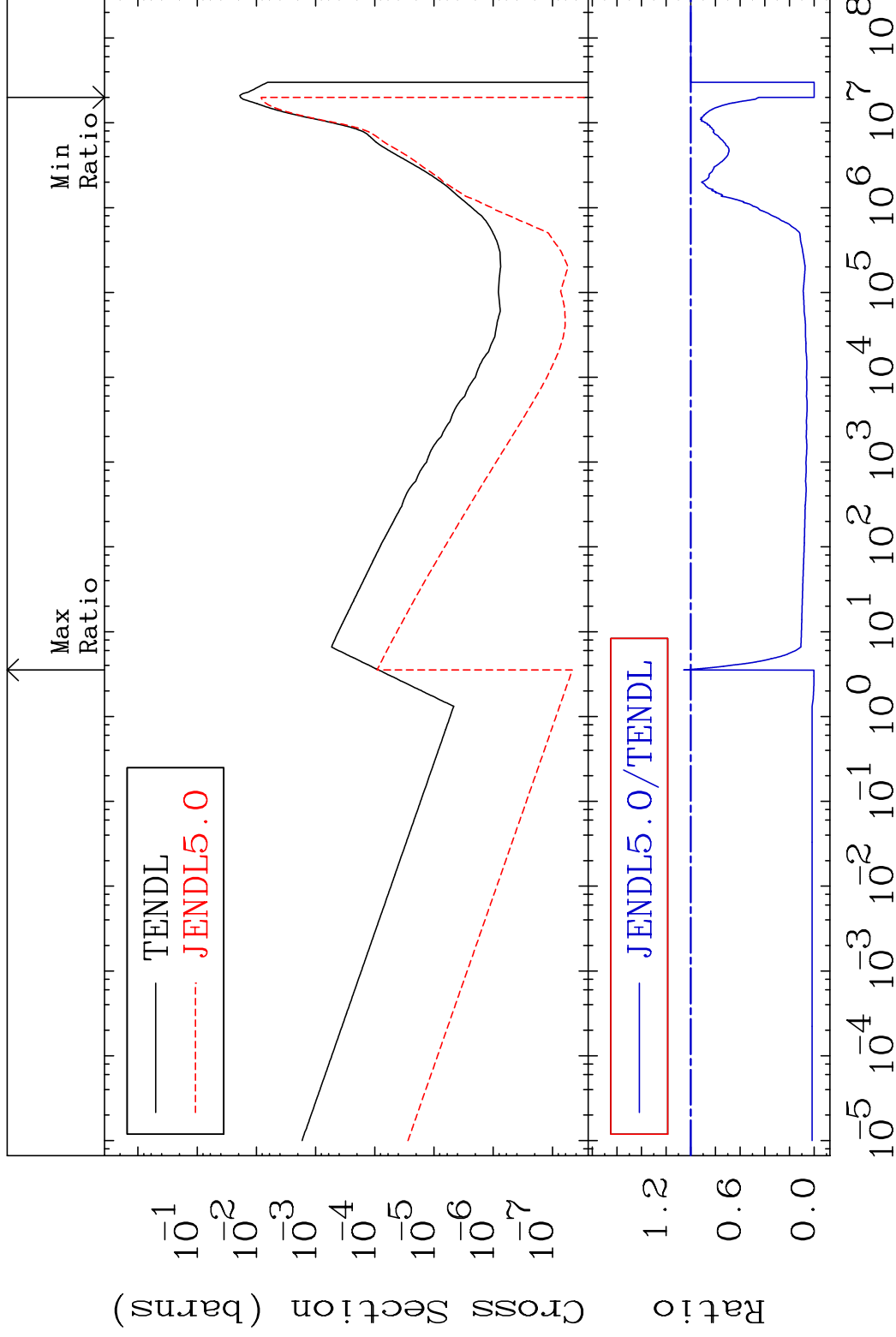
Cross Section -100.0 To 9999. %



MAT 7019

(n, α)
Cross Section -100.0 To 5.824 %

70-Yb-166

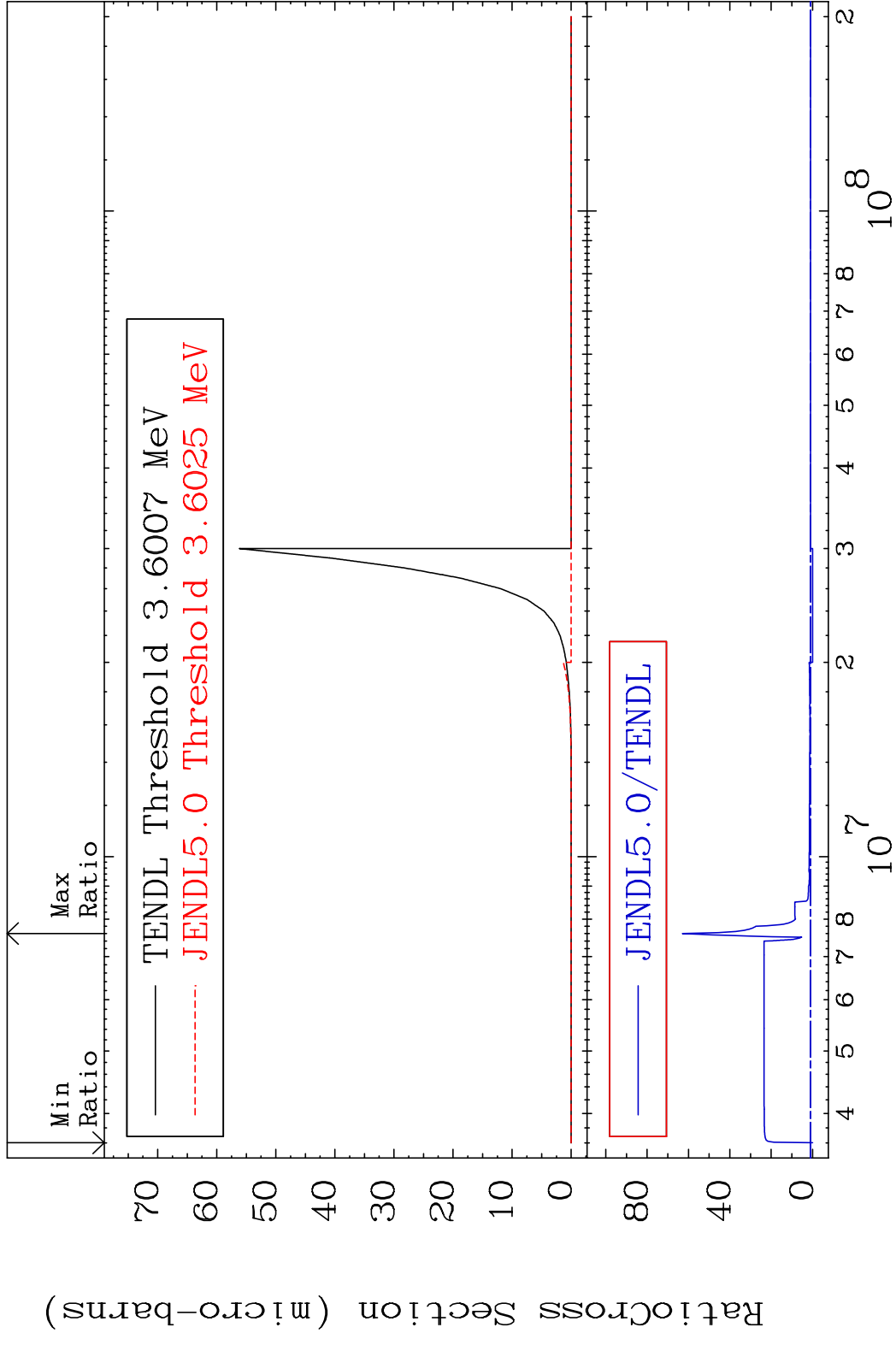


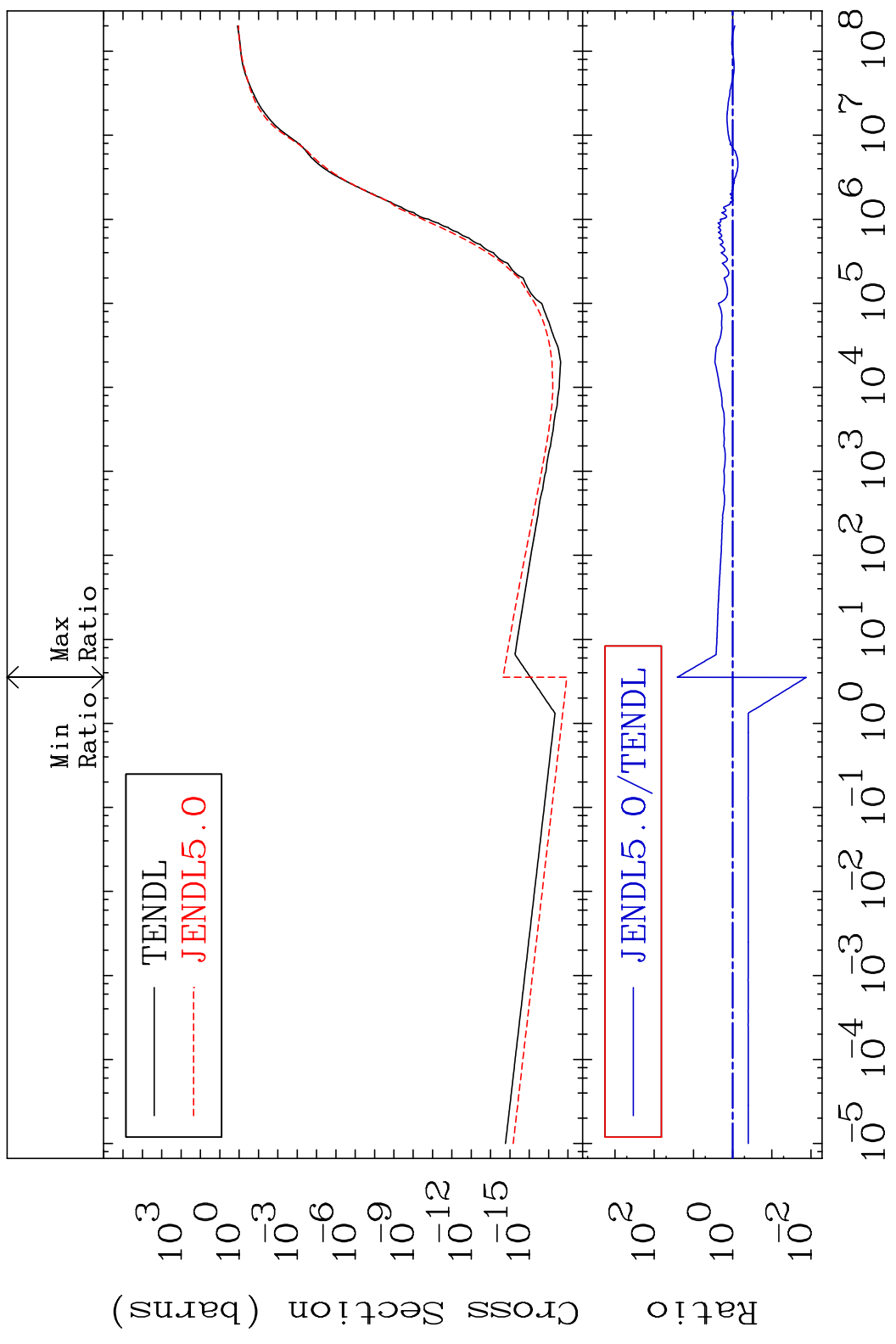
45

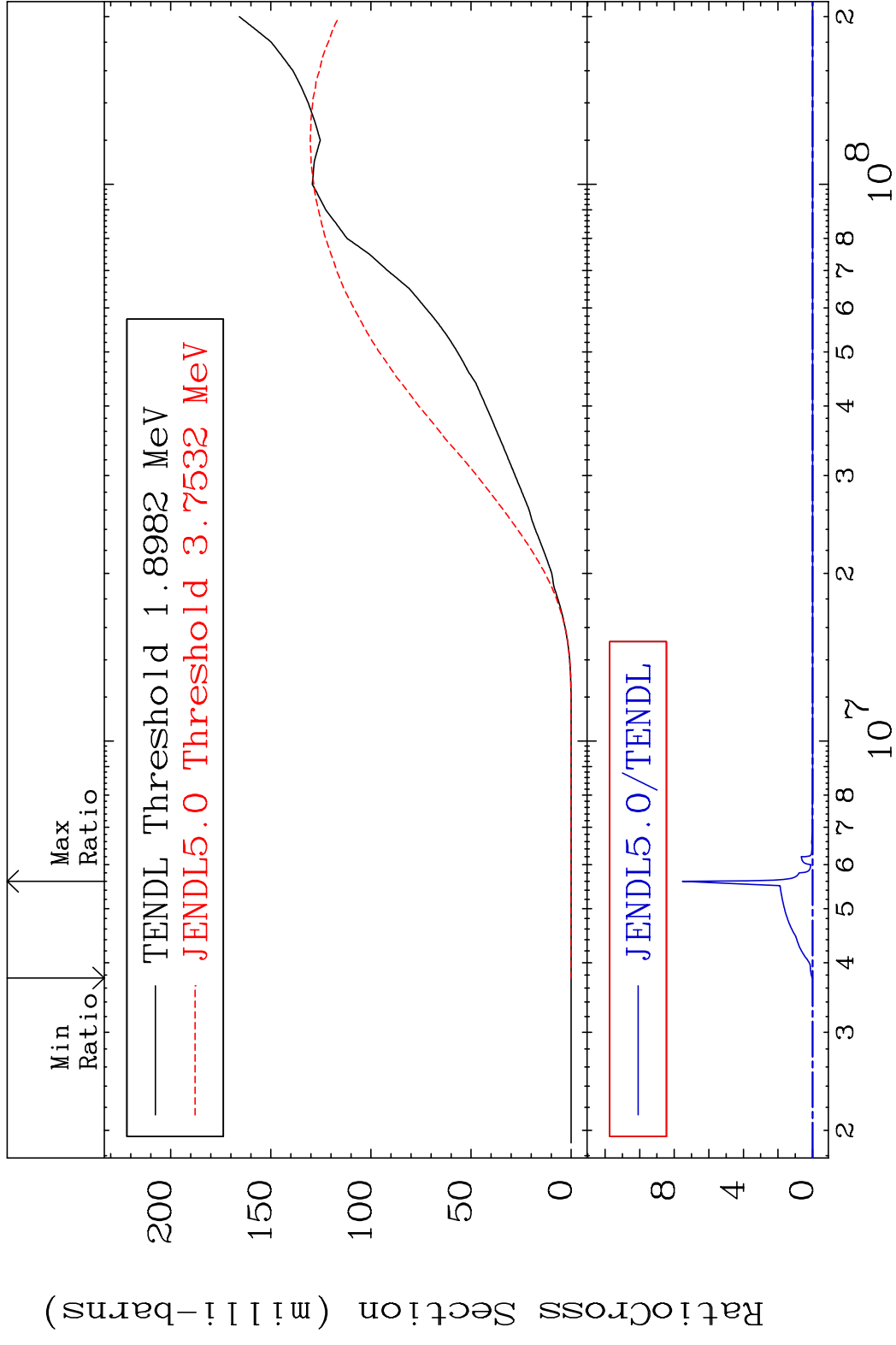
Incident Energy (eV)

70-Yb-166

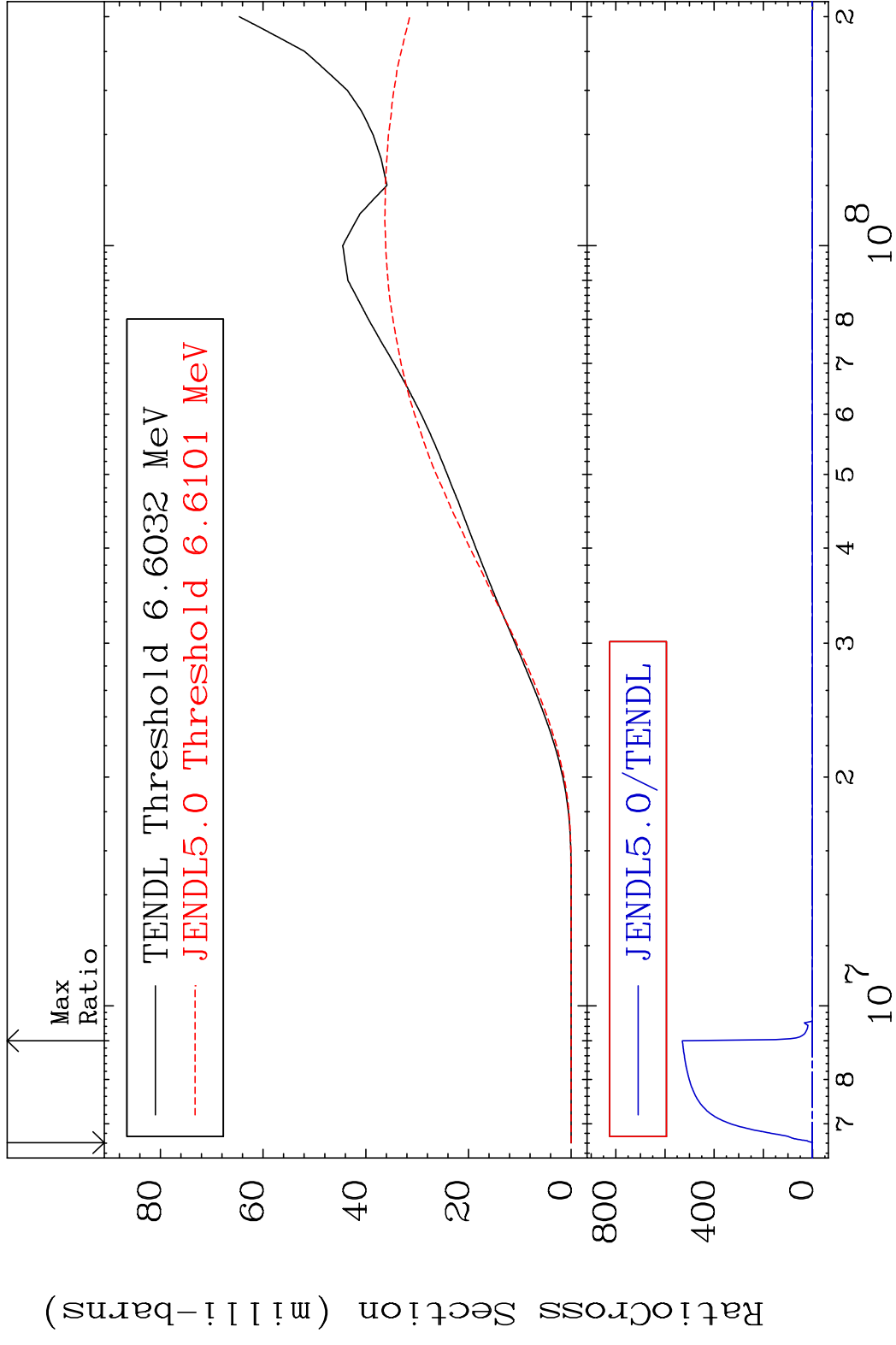
MAT 7019 (n,2p) 70-Yb-166
 Cross Section -100.0 To 6196. %







MAT 7019 Tritium Production 70-Yb-166
 Cross Section -100.0 To 9999. %

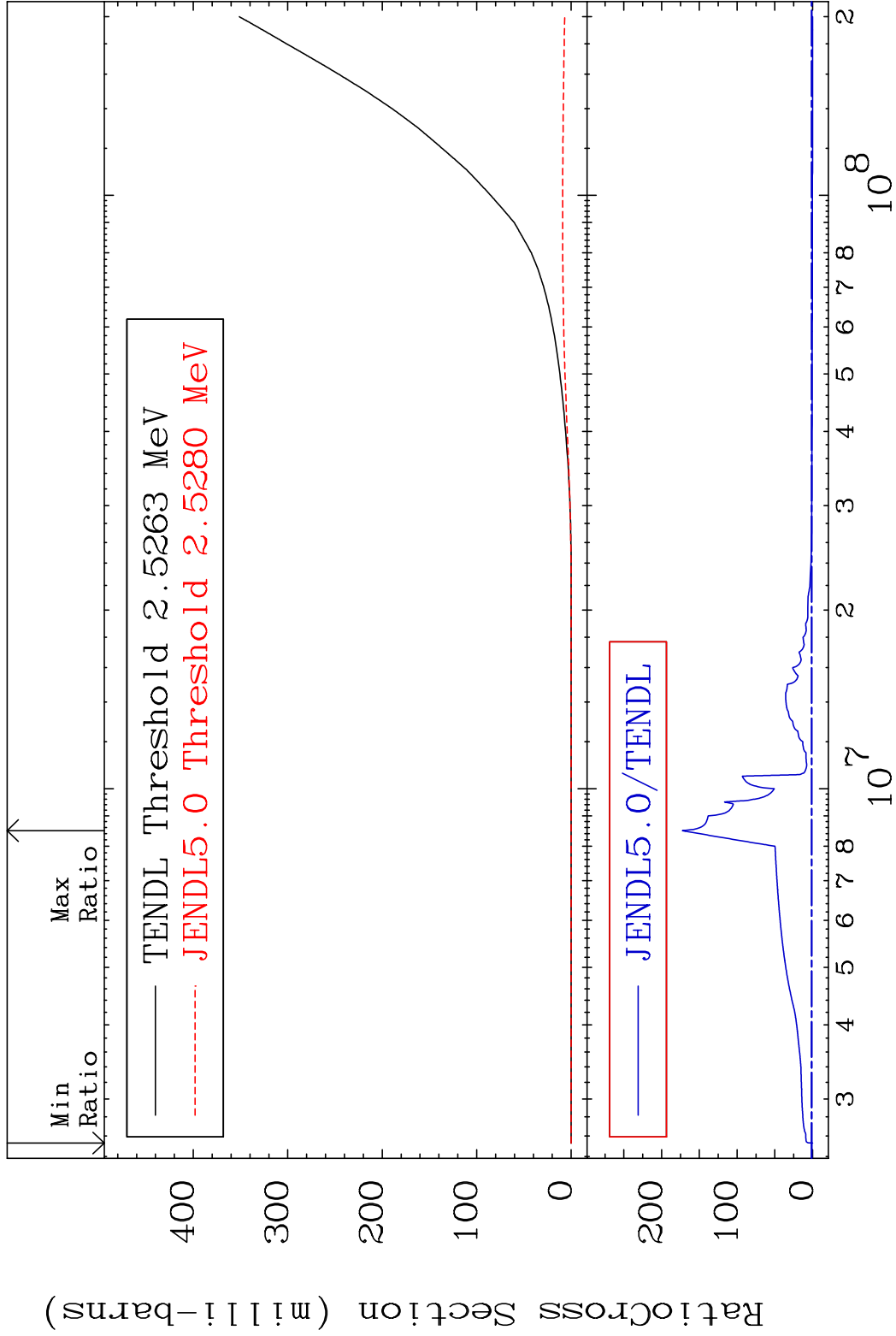


MAT 7019

He-3 Production

70-Yb-166

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

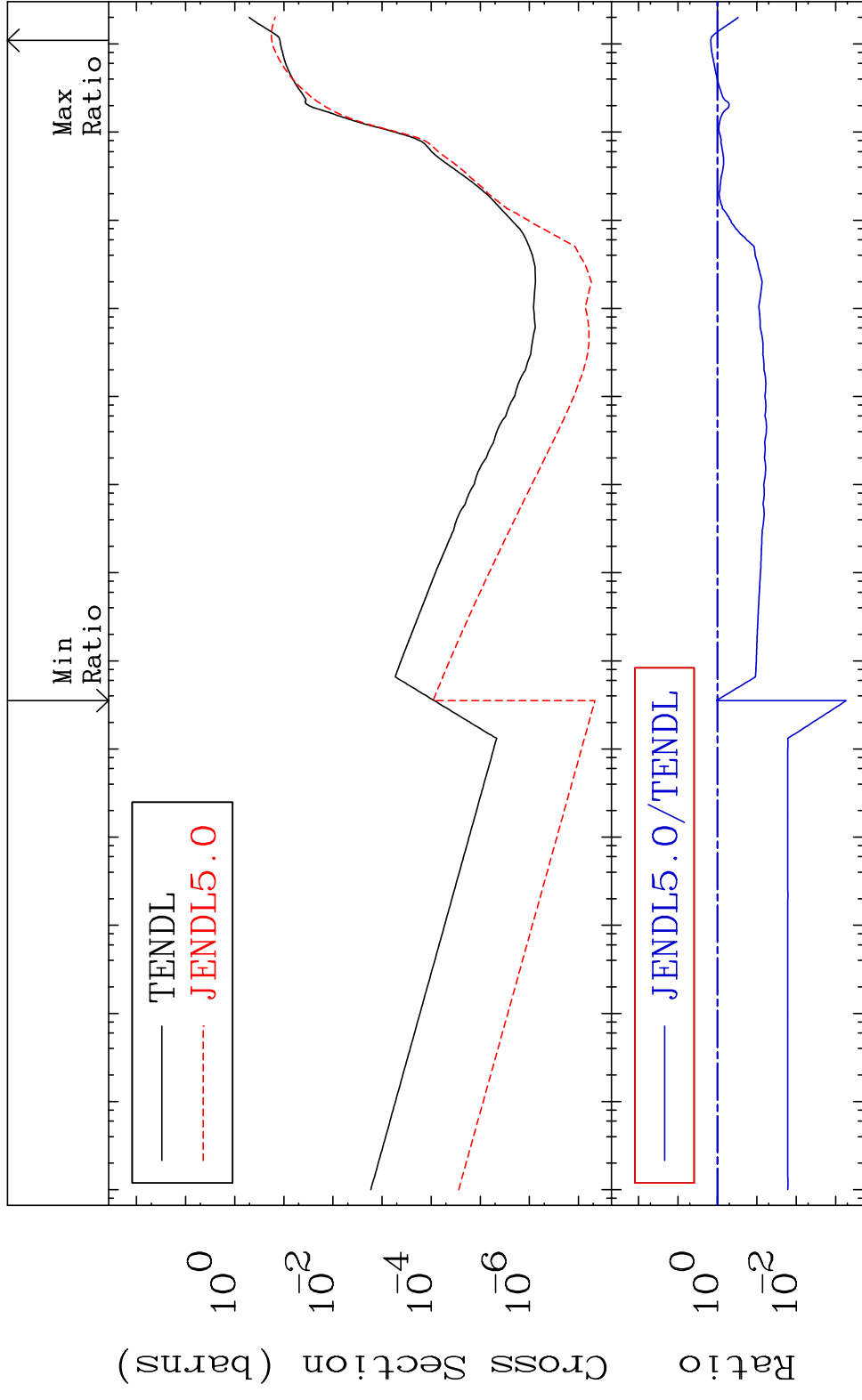
70-Yb-166

MAT 7019

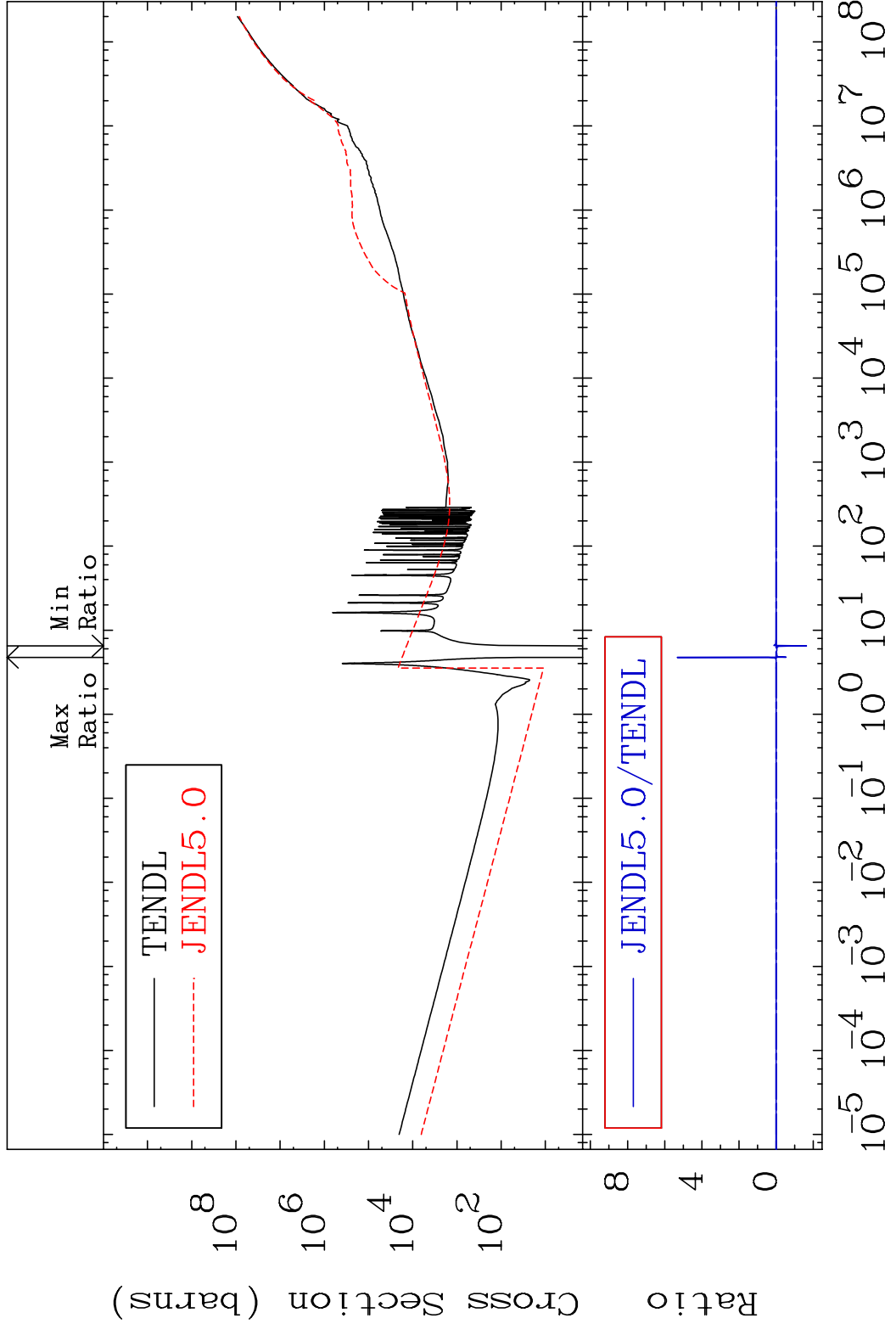
He-4 Production

70-Yb-166

Cross Section -99.95 To 47.25 %



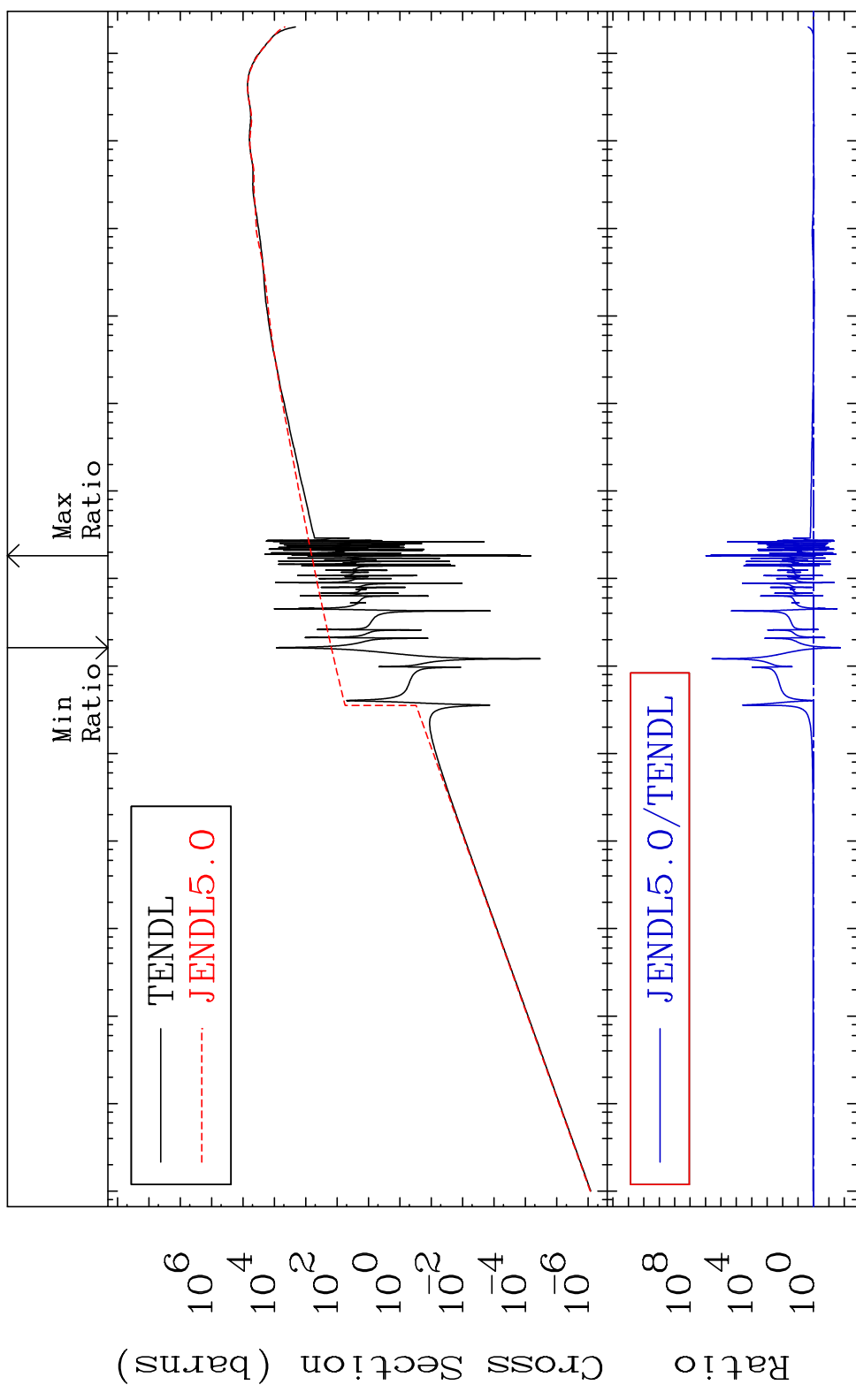
MAT 7019 Kerma total (eV-barns) 70-Yb-166
 Cross Section -9999. To 9999. %



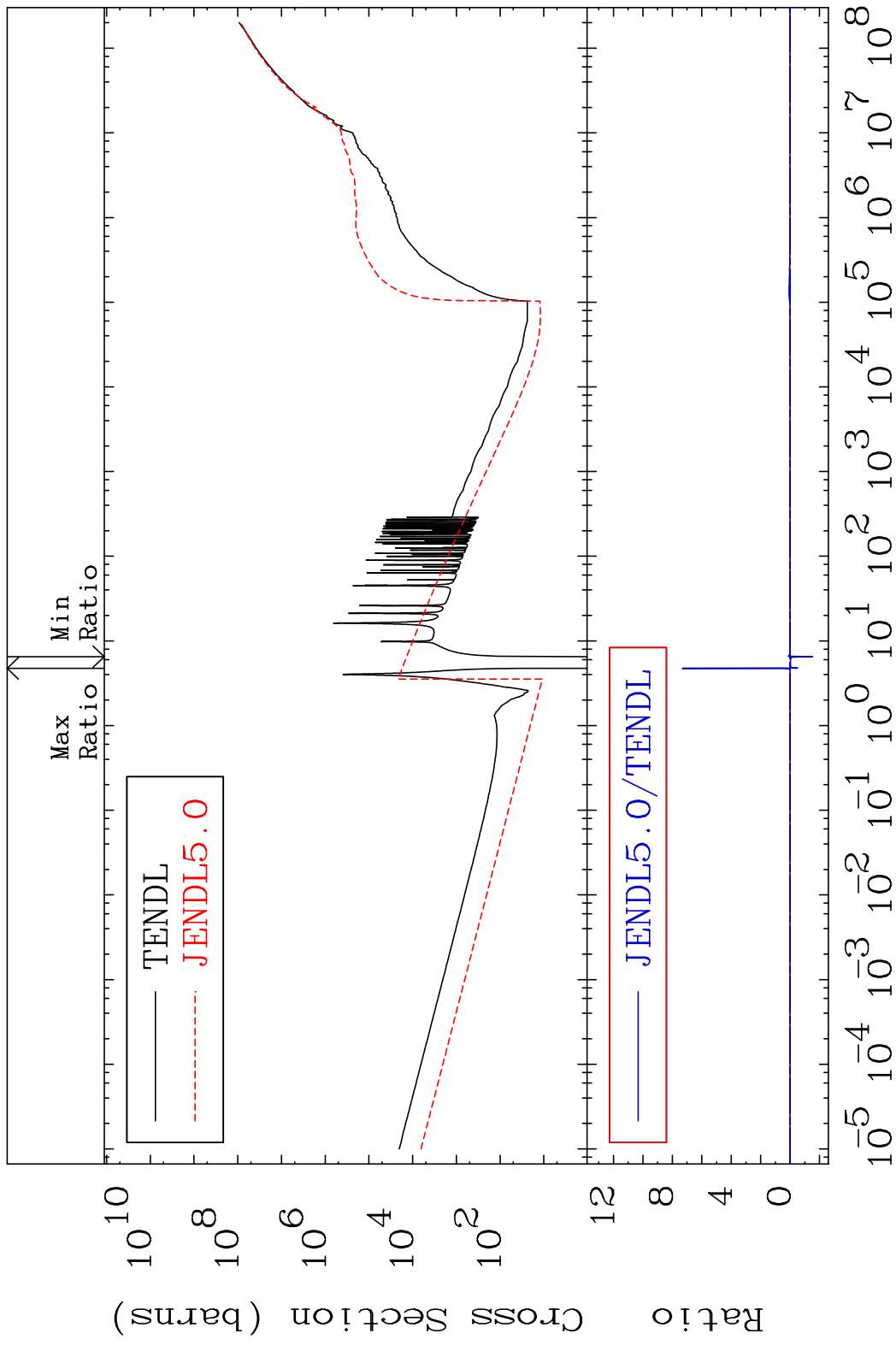
MAT 7019

Kerma elastic Cross Section -98.22 To 9999. %

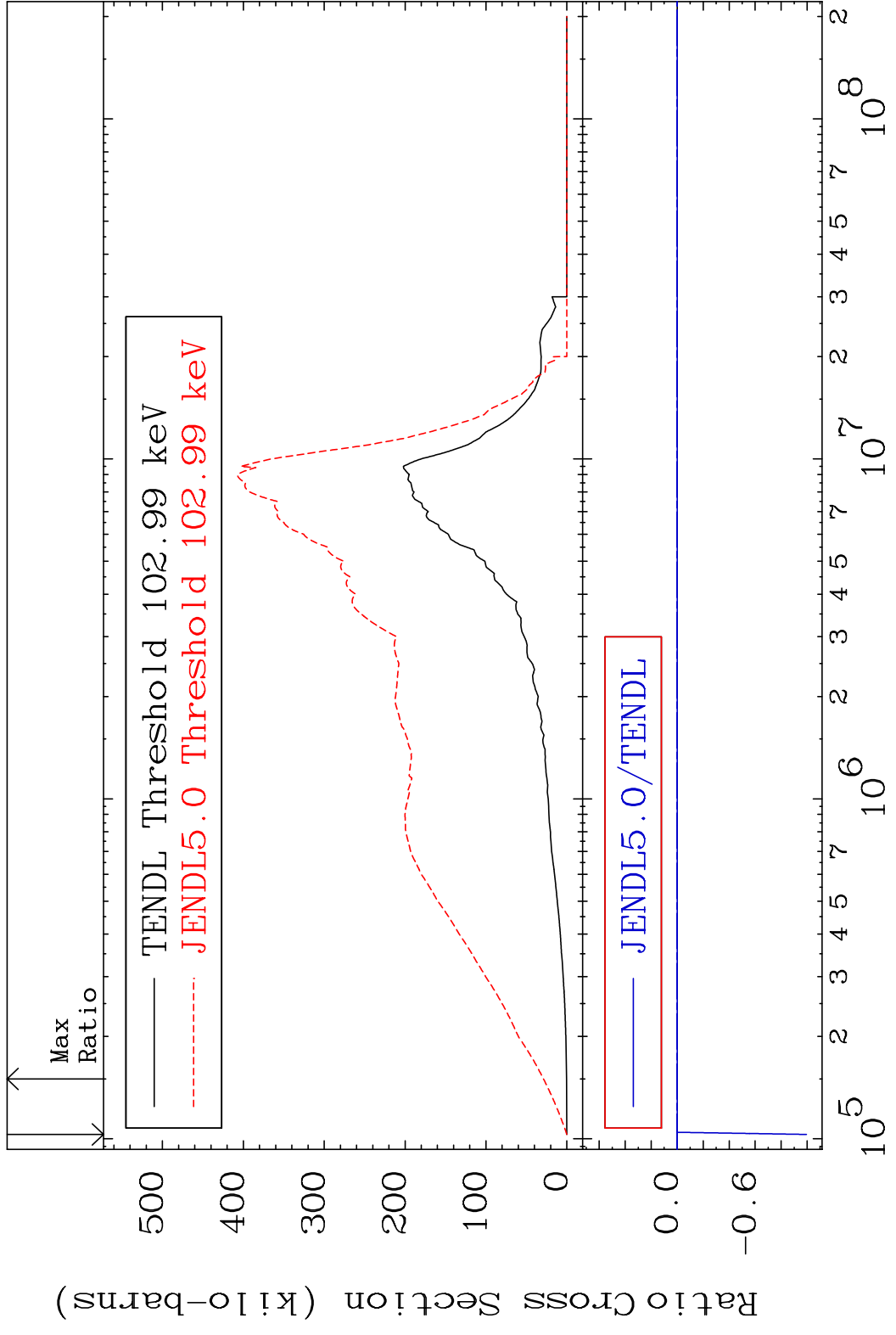
70-Yb-166



MAT 7019 Kerma non-elastic (all but mt2) 70-Yb-166
 Cross Section -9999. To 9999. %

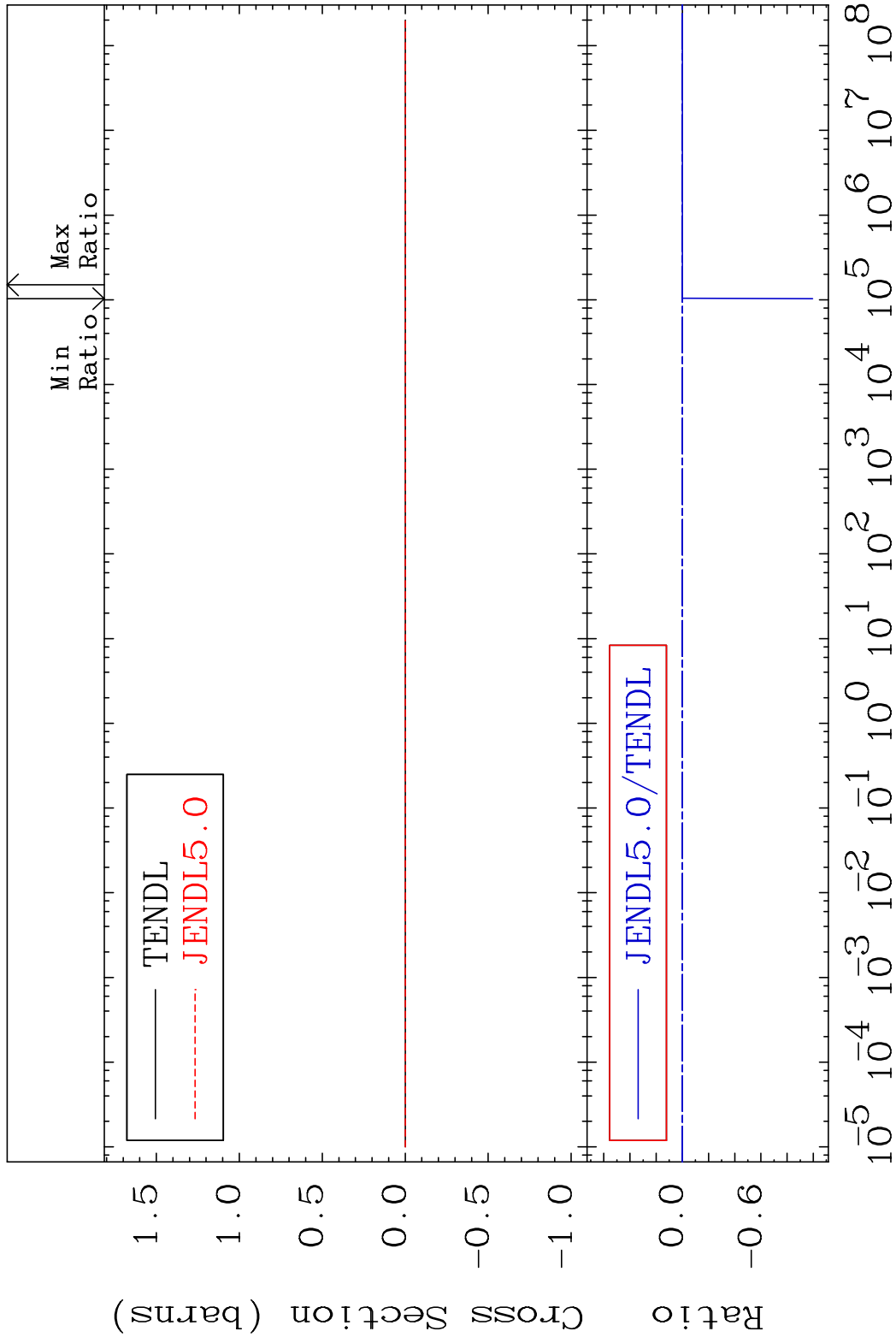


MAT 7019 Kerma inelastic (mt51-91) 70-Yb-166
Cross Section -9999. To 6919. %



55 Incident Energy (eV) 70-Yb-166

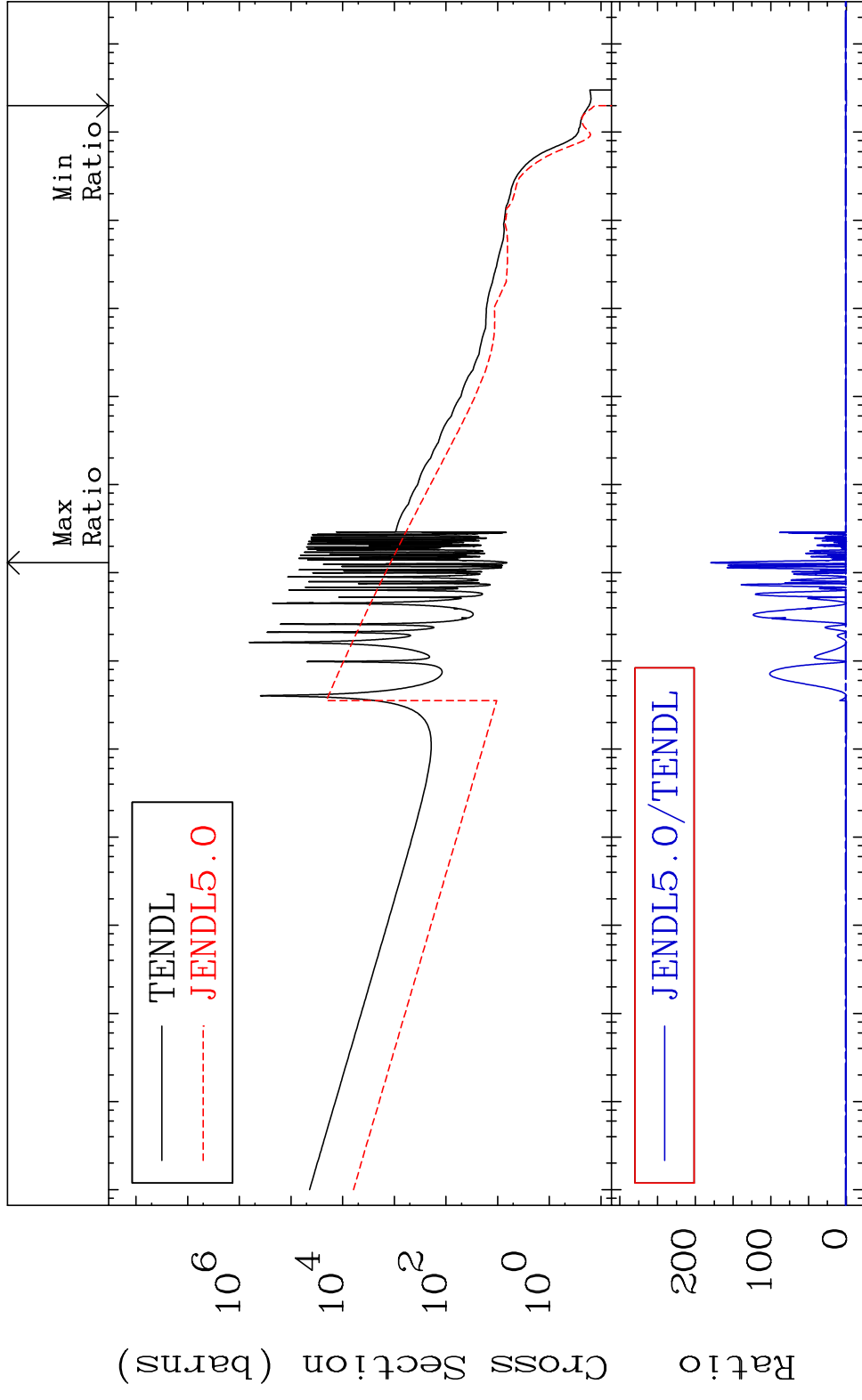
MAT 7019 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-166
 Cross Section -9999. To 6919. %



MAT 7019

Kerma capture (mt102) 70-Yb-166

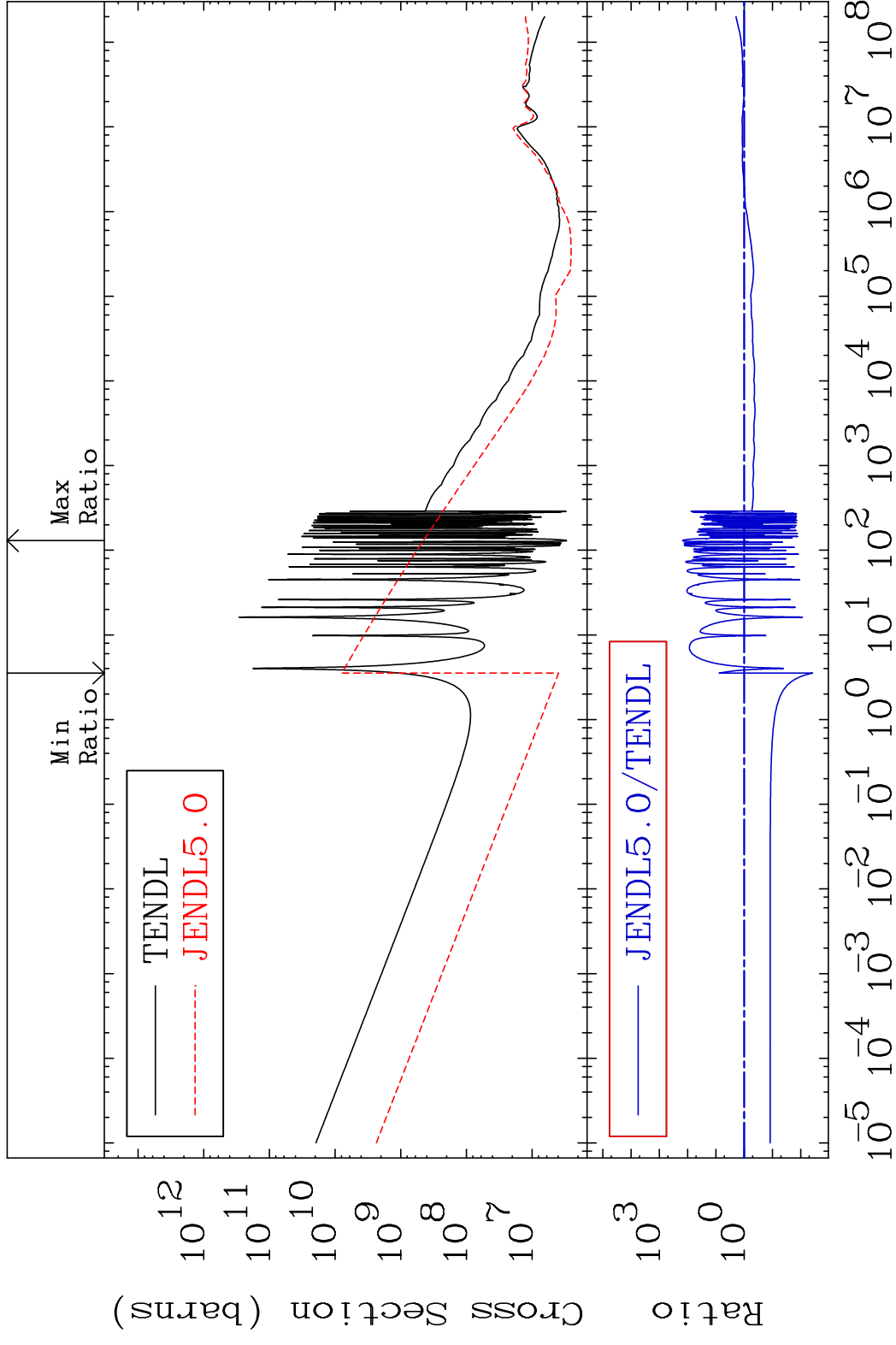
Cross Section -100.0 To 9999. %



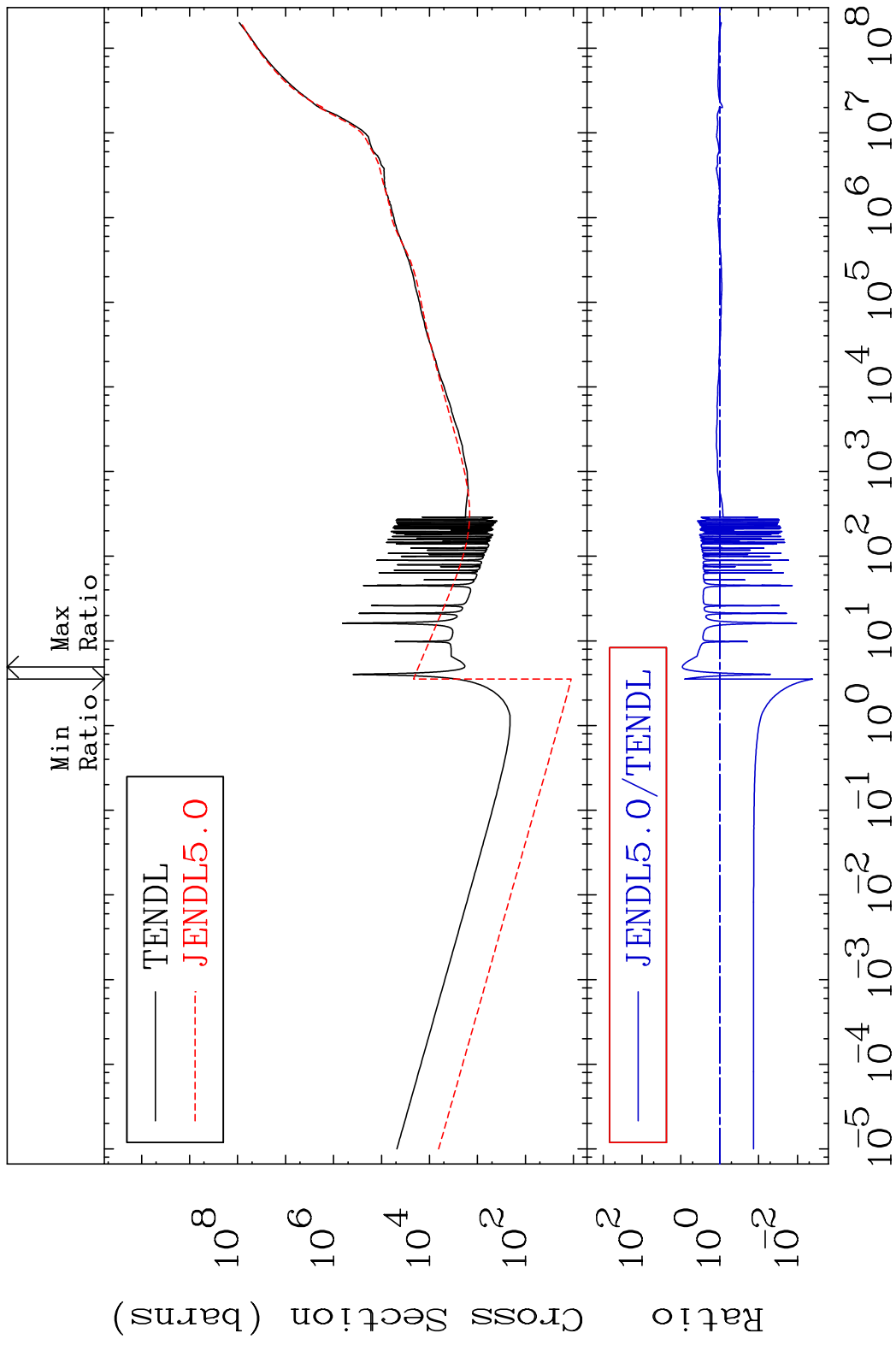
57

Incident Energy (eV) 70-Yb-166

MAT 7019 Total photon (eV-barns) 70-Yb-166
 Cross Section -99.62 To 9999. %



MAT 7019 Total kinematic kerma (high limit) 70-Yb-166
 Cross Section -99.59 To 816.5 %

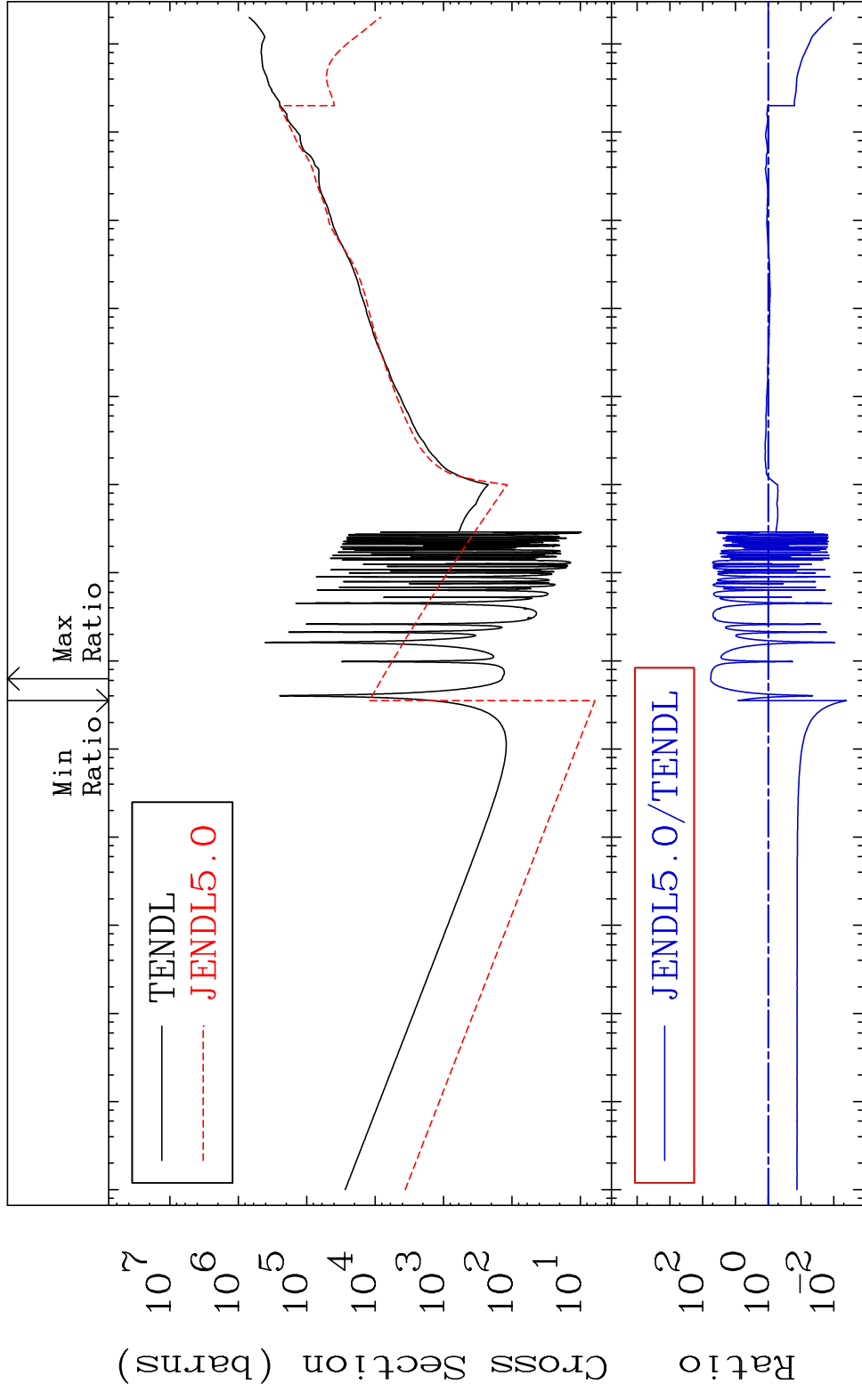


MAT 7019

Dpa total (eV-barns)

70-Yb-166

Cross Section -99.58 To 5625. %



60

Incident Energy (eV)

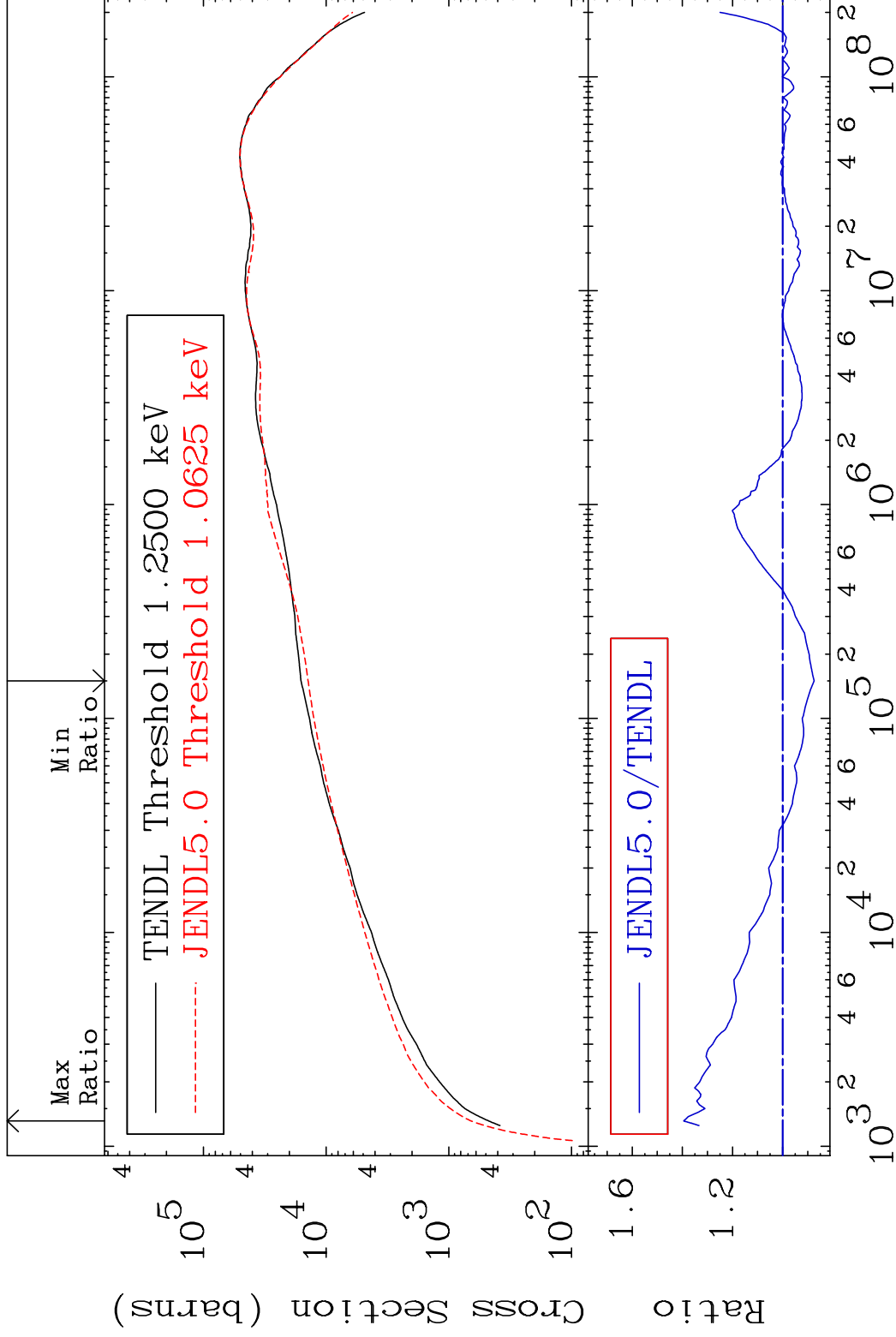
70-Yb-166

MAT 7019

Dpa elastic (mt2)

70-Yb-166

Cross Section -12.55 To 39.48 %



61

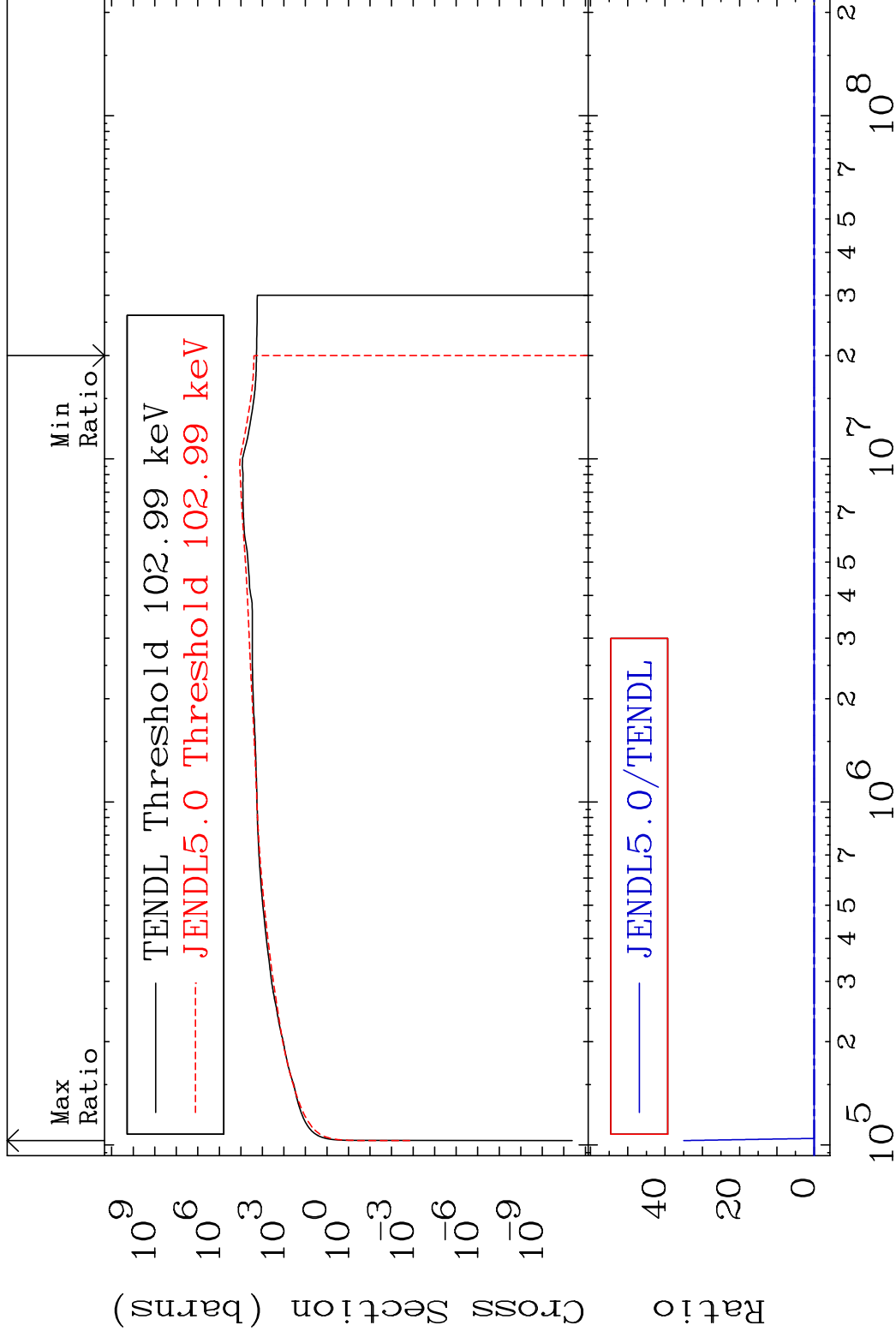
Incident Energy (eV)

70-Yb-166

MAT 7019

Dpa inelastic (mt51-91) 70-Yb-166

Cross Section -100.0 To 9999. %

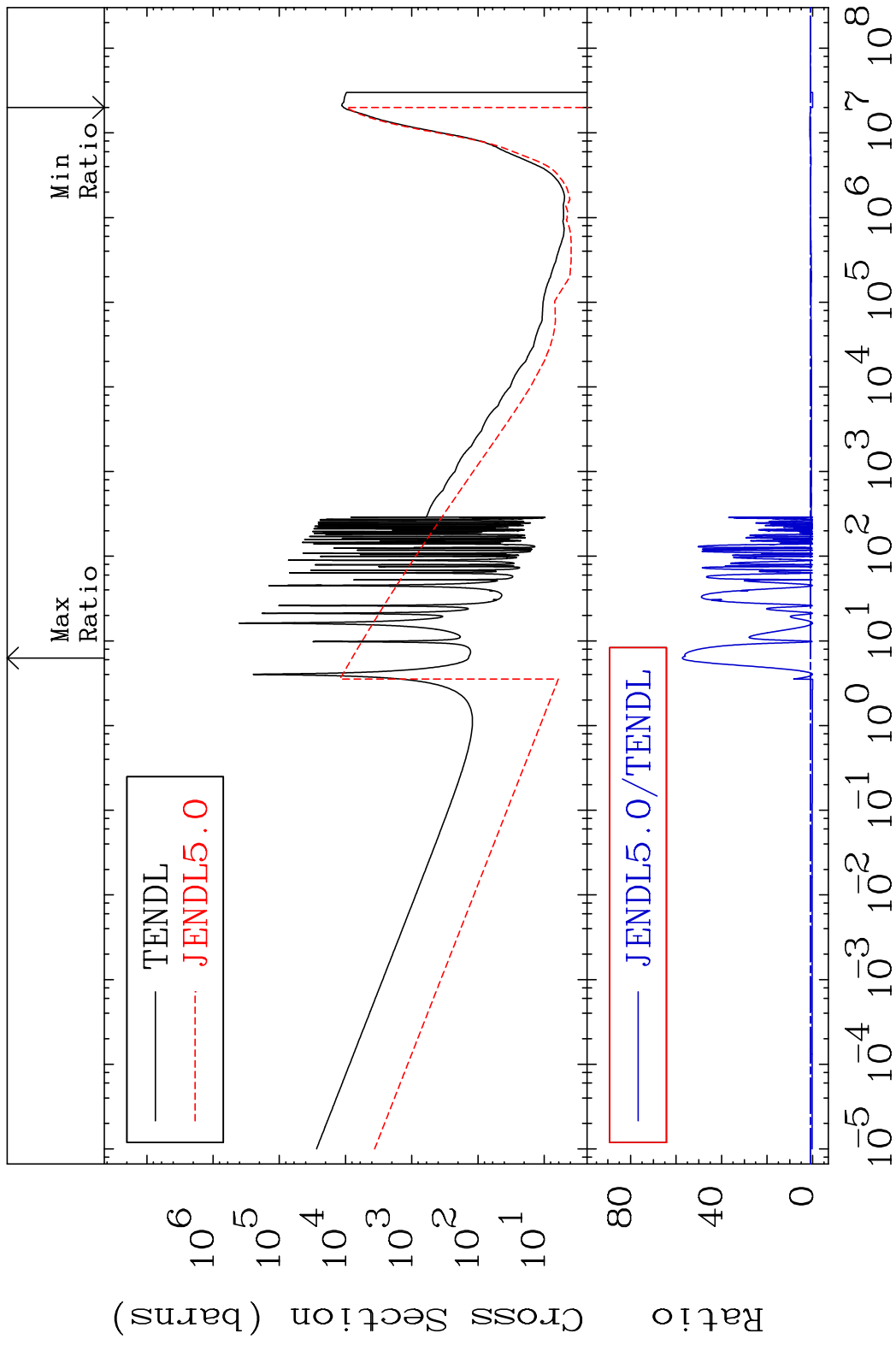


62

Incident Energy (eV)

70-Yb-166

MAT 7019 Dpa disappearance (mt102 -120) 70-Yb-166
 Cross Section -100.0 To 5625. %



63 Incident Energy (eV) 70-Yb-166

