

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

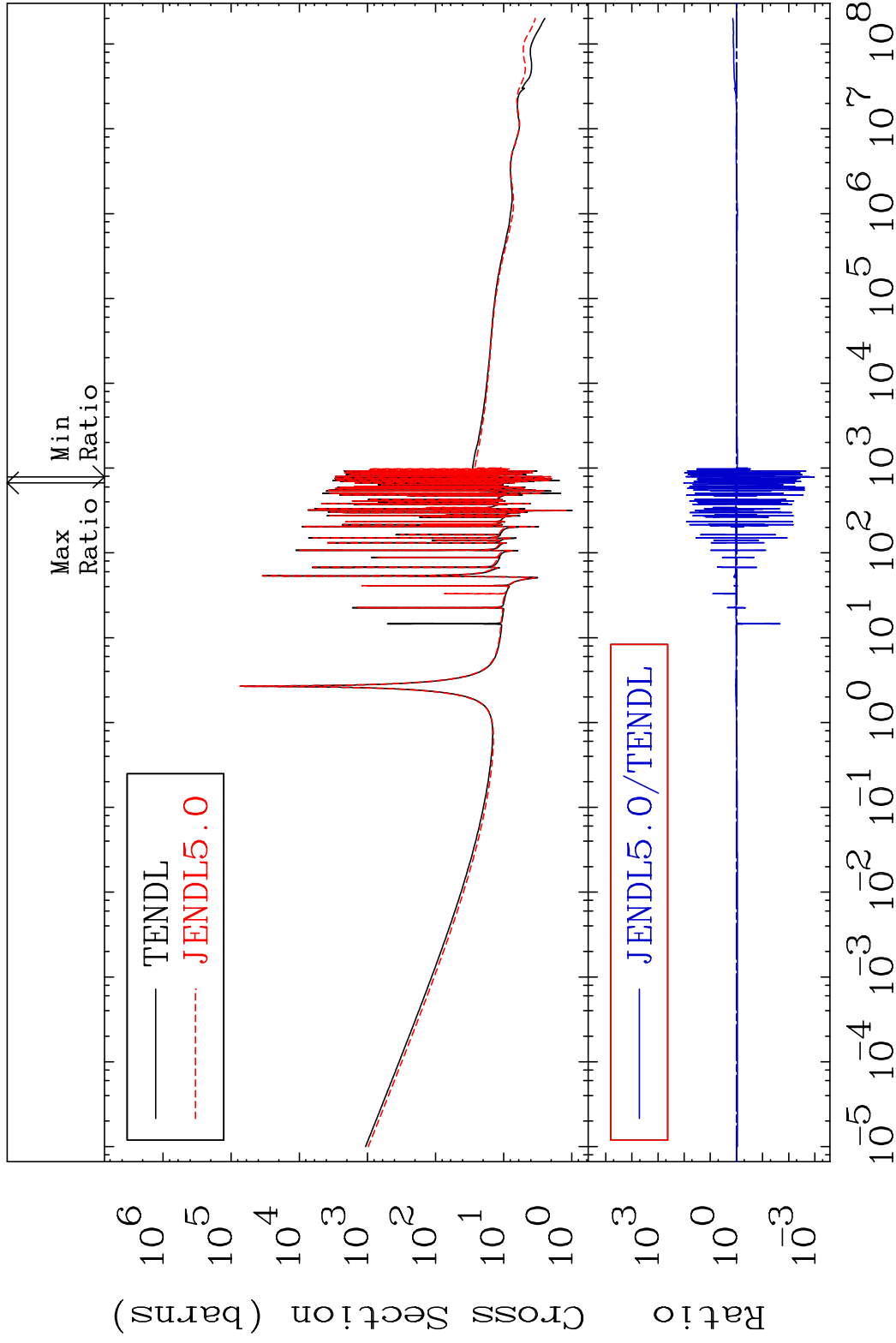
Press Mouse Button to Start

MAT 9446

Total

94-Pu-242

Cross Section -99.89 To 9999. %



1

Incident Energy (eV)

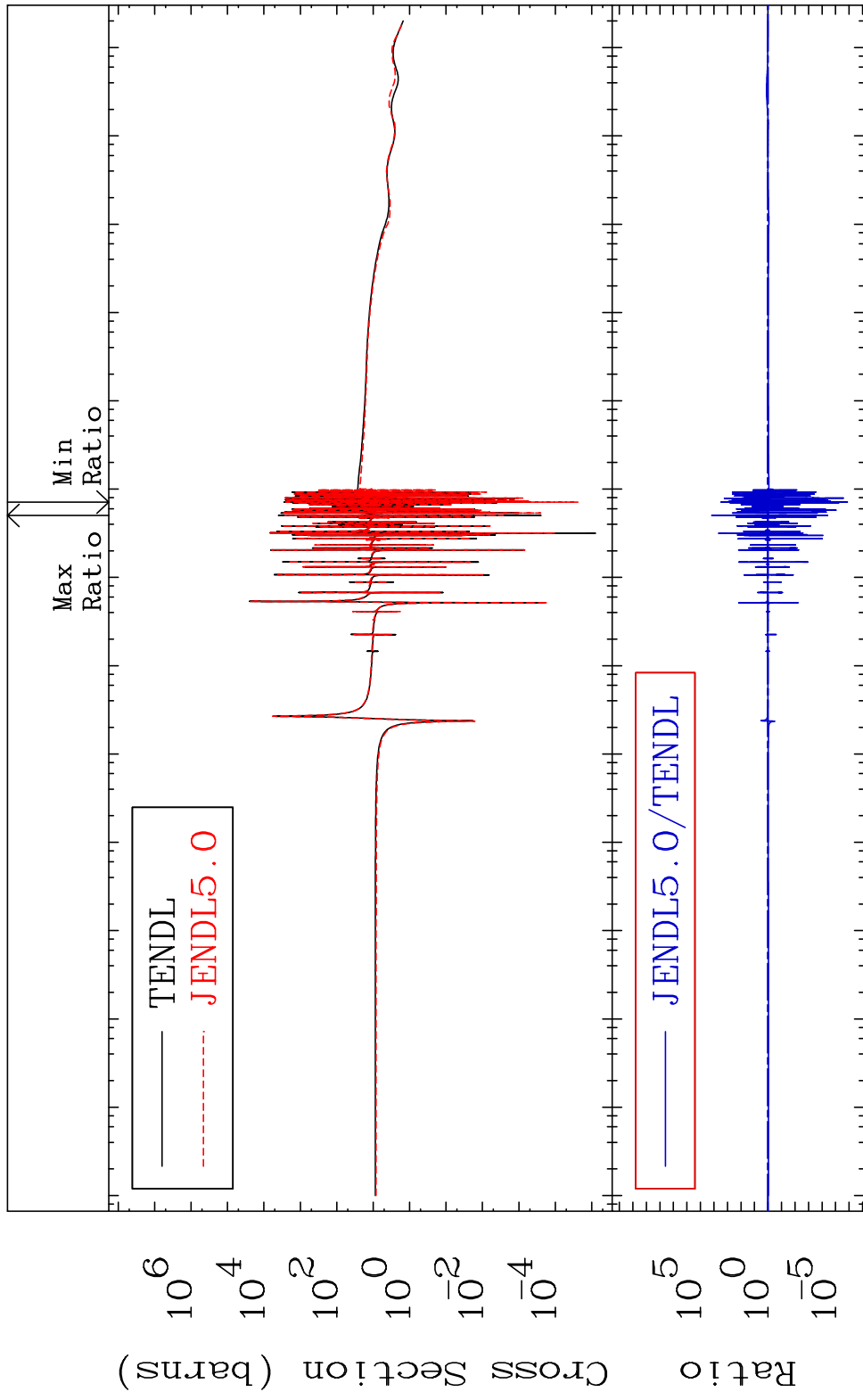
94-Pu-242

MAT 9446

Elastic

94-Pu-242

Cross Section -100.0 To 9999. %

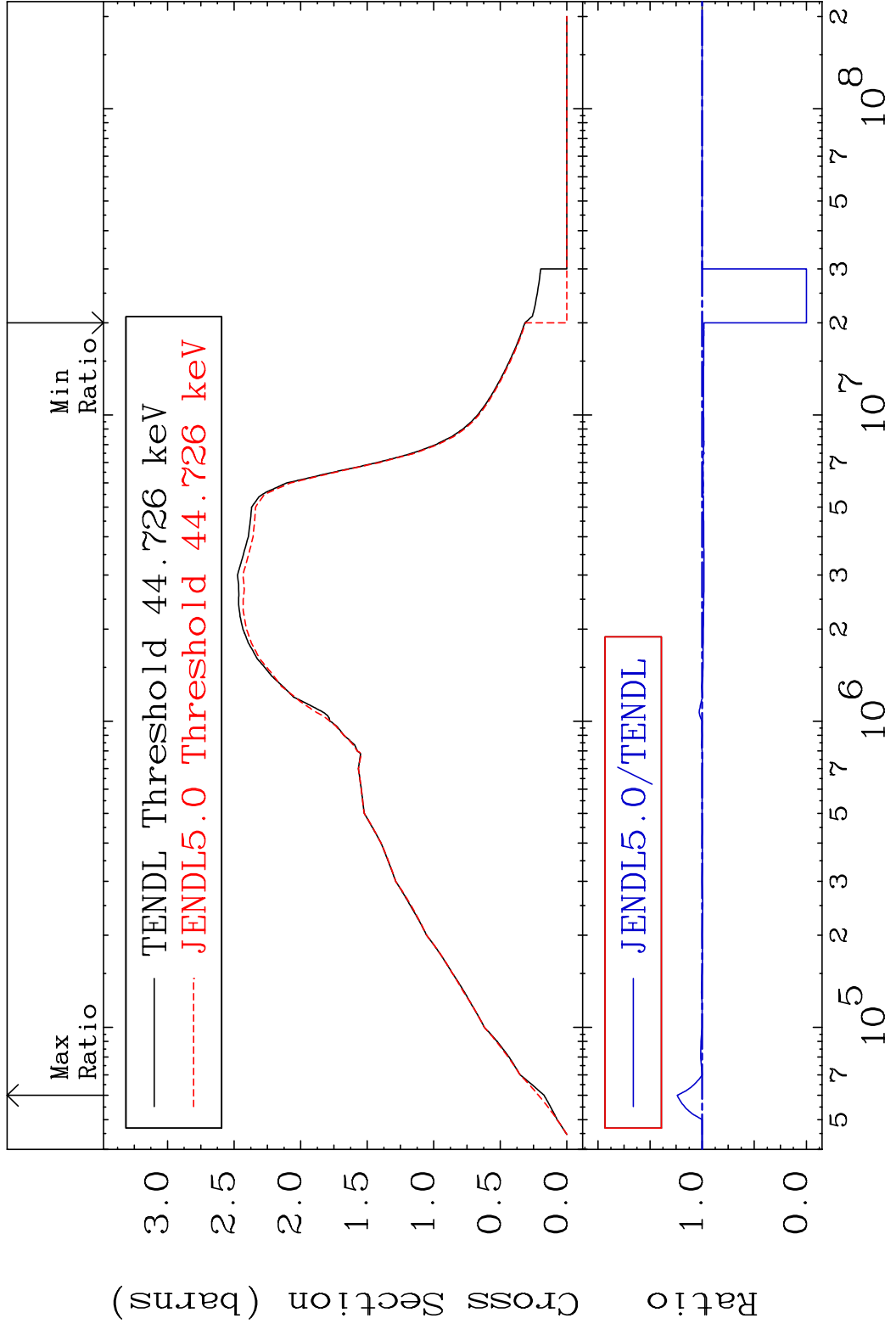


2

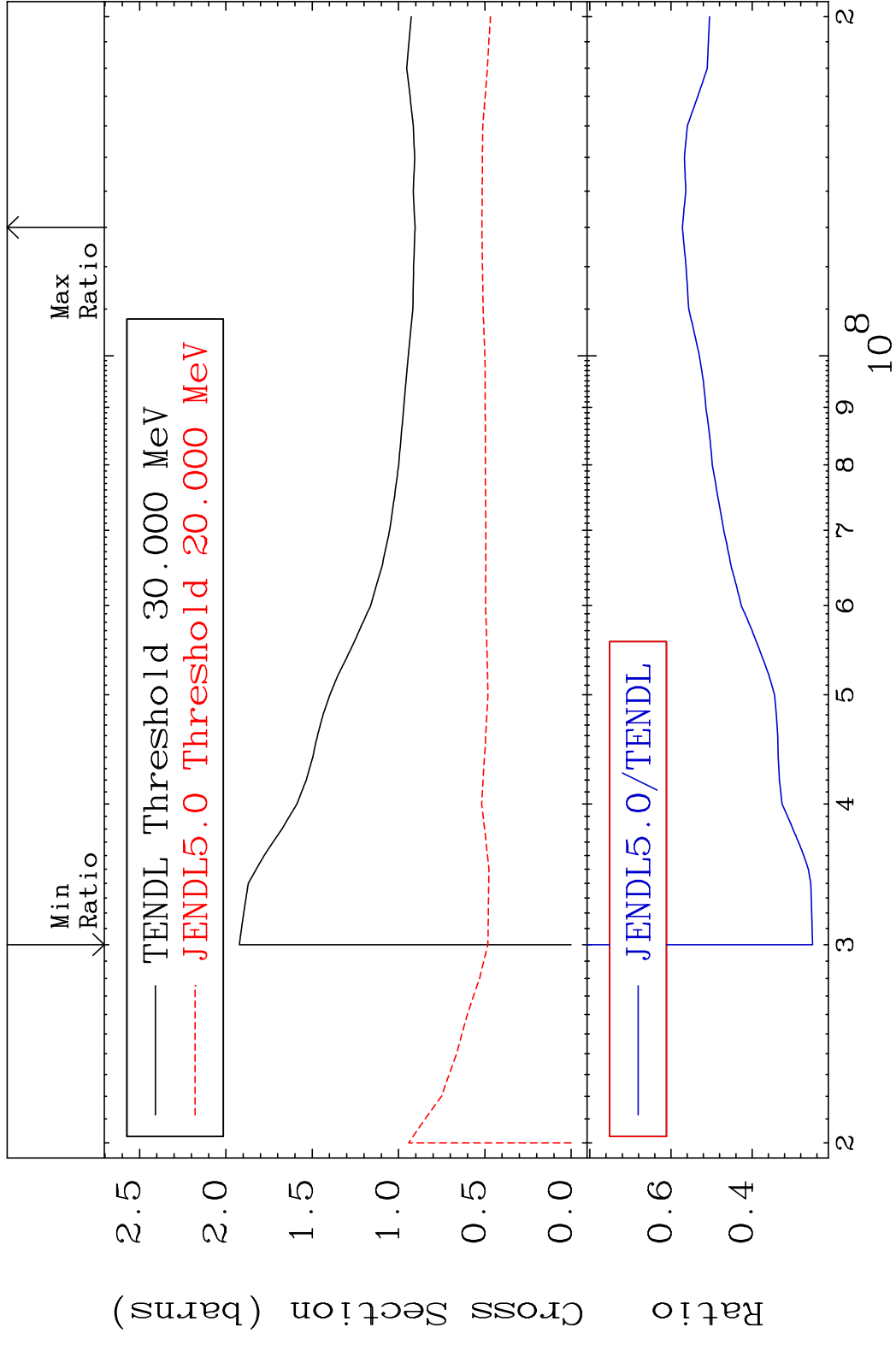
Incident Energy (eV)

94-Pu-242

MAT 9446 Inelastic 94-Pu-242
 Cross Section -100.0 To 23.96 %



MAT 9446 (n, remainder) 94-Pu-242
 Cross Section -74.91 To -42.80%



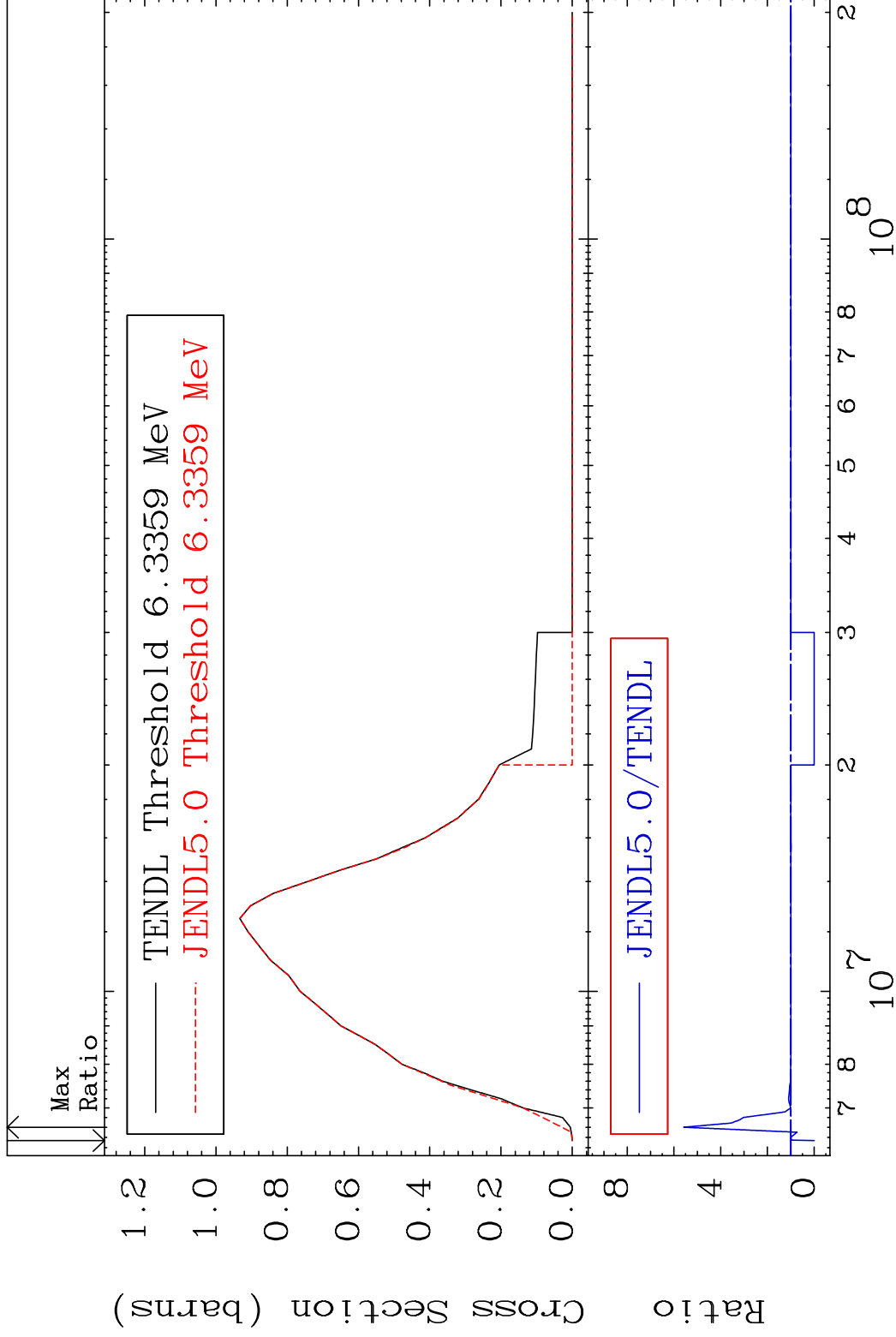
4 Incident Energy (eV) 94-Pu-242

MAT 9446

(n,2n)

94-Pu-242

Cross Section -100.0 To 458.4 %

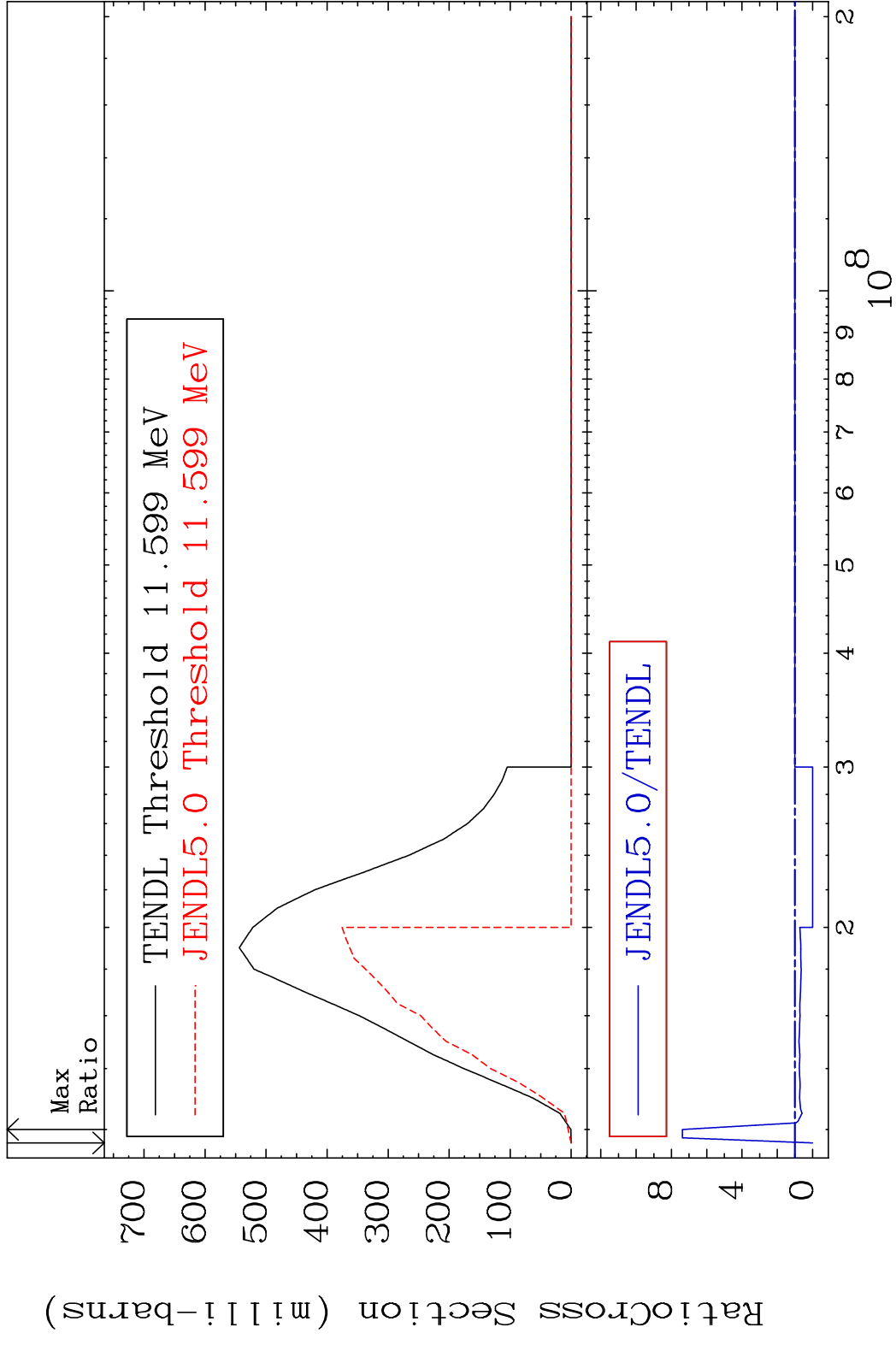


5

Incident Energy (eV)

94-Pu-242

MAT 9446 (n,3n) 94-Pu-242
 Cross Section -100.0 To 638.0 %

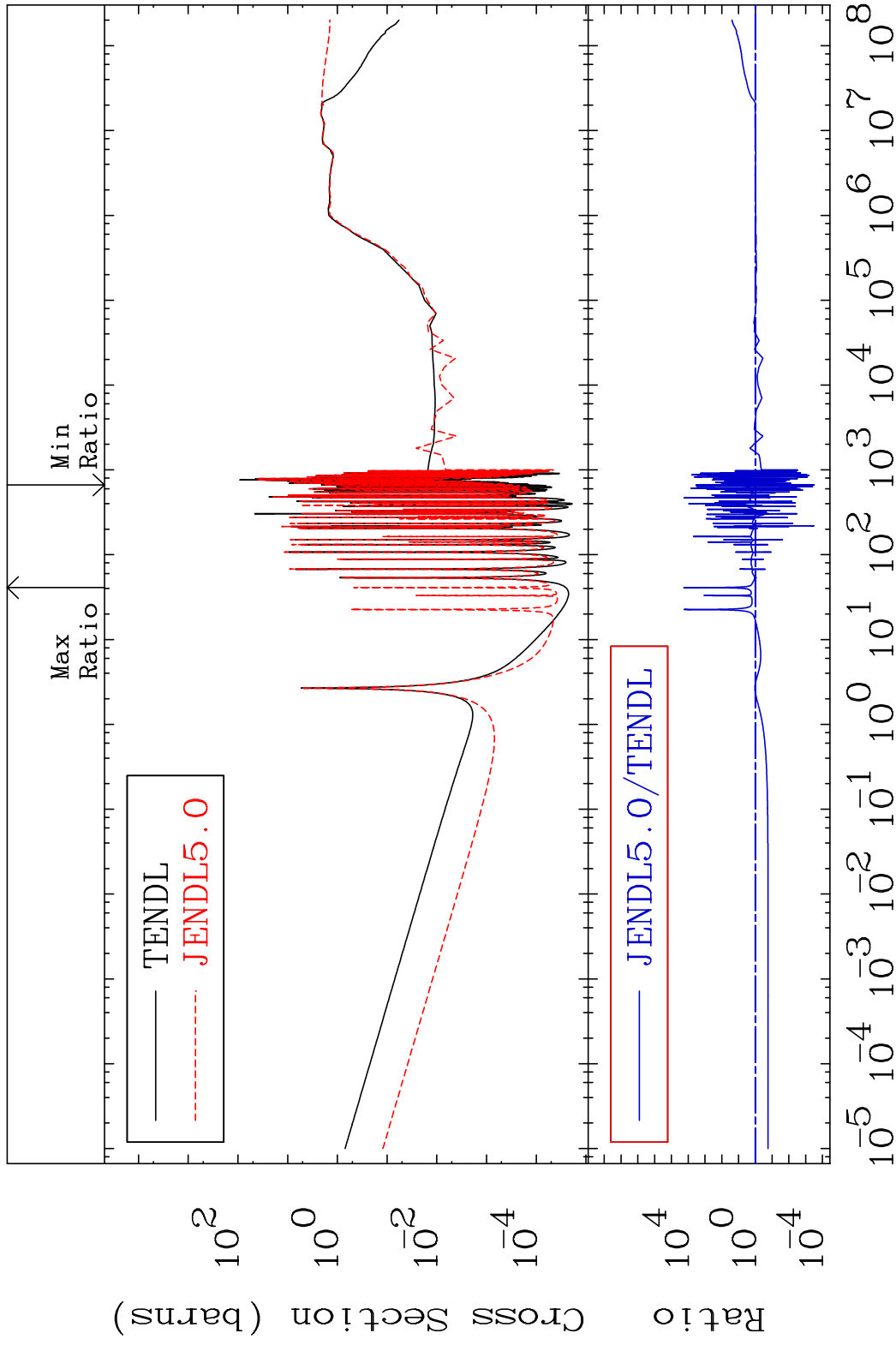


MAT 9446

Fission

94-Pu-242

Cross Section -99.97 To 9999. %



7

Incident Energy (eV)

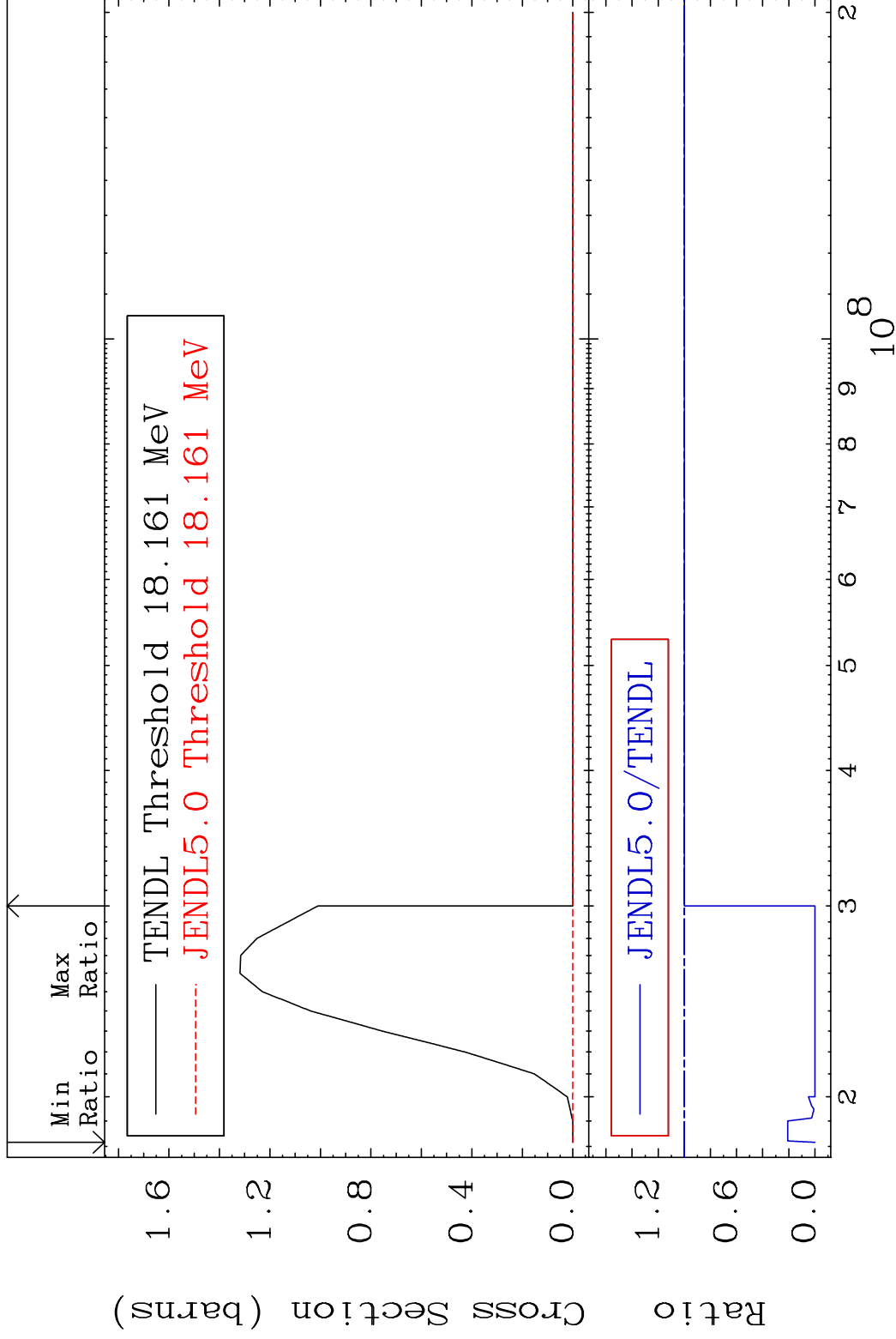
94-Pu-242

MAT 9446

(n, 4n)

94-Pu-242

Cross Section -100.0 To 0.000 %

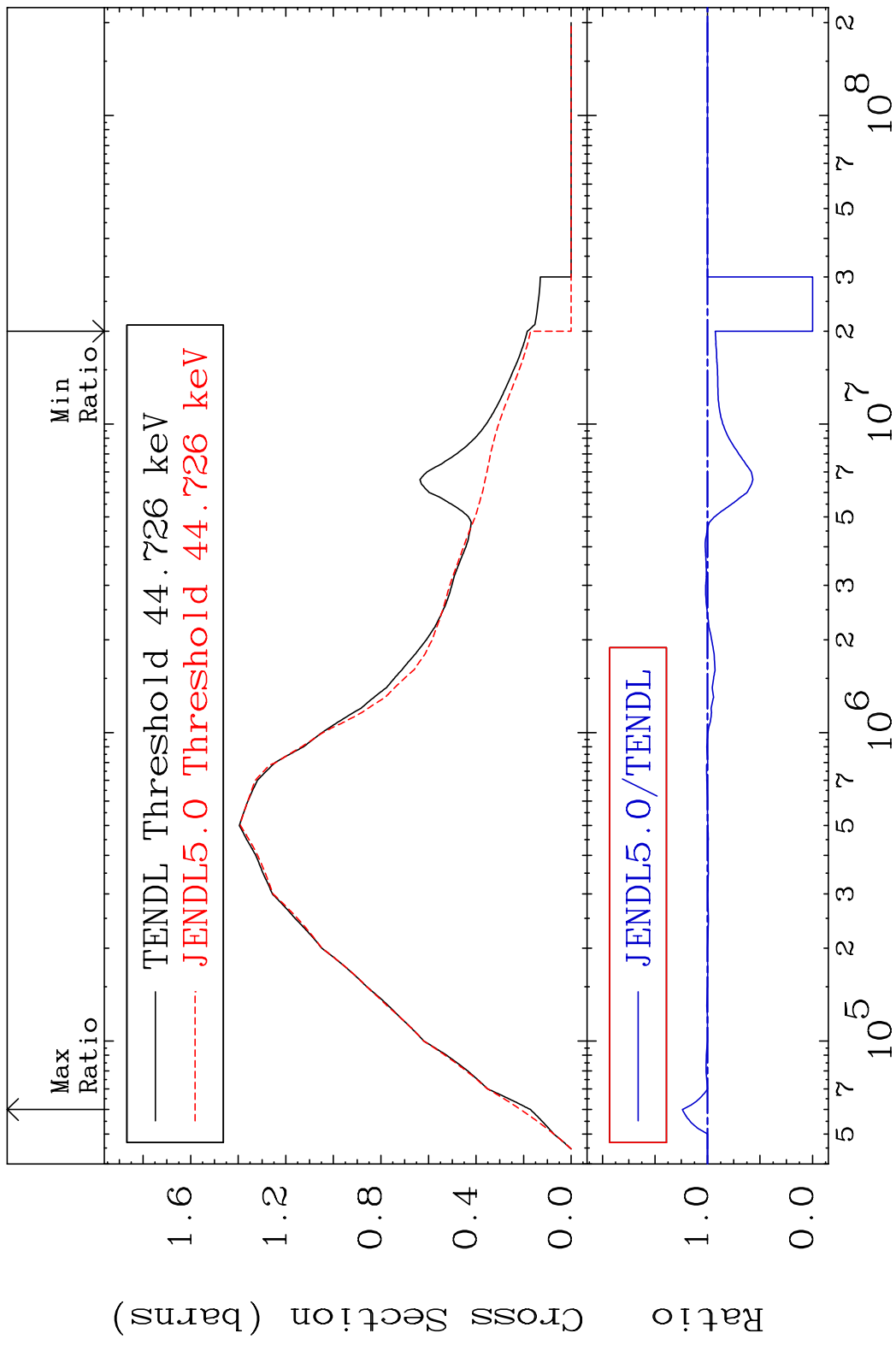


8

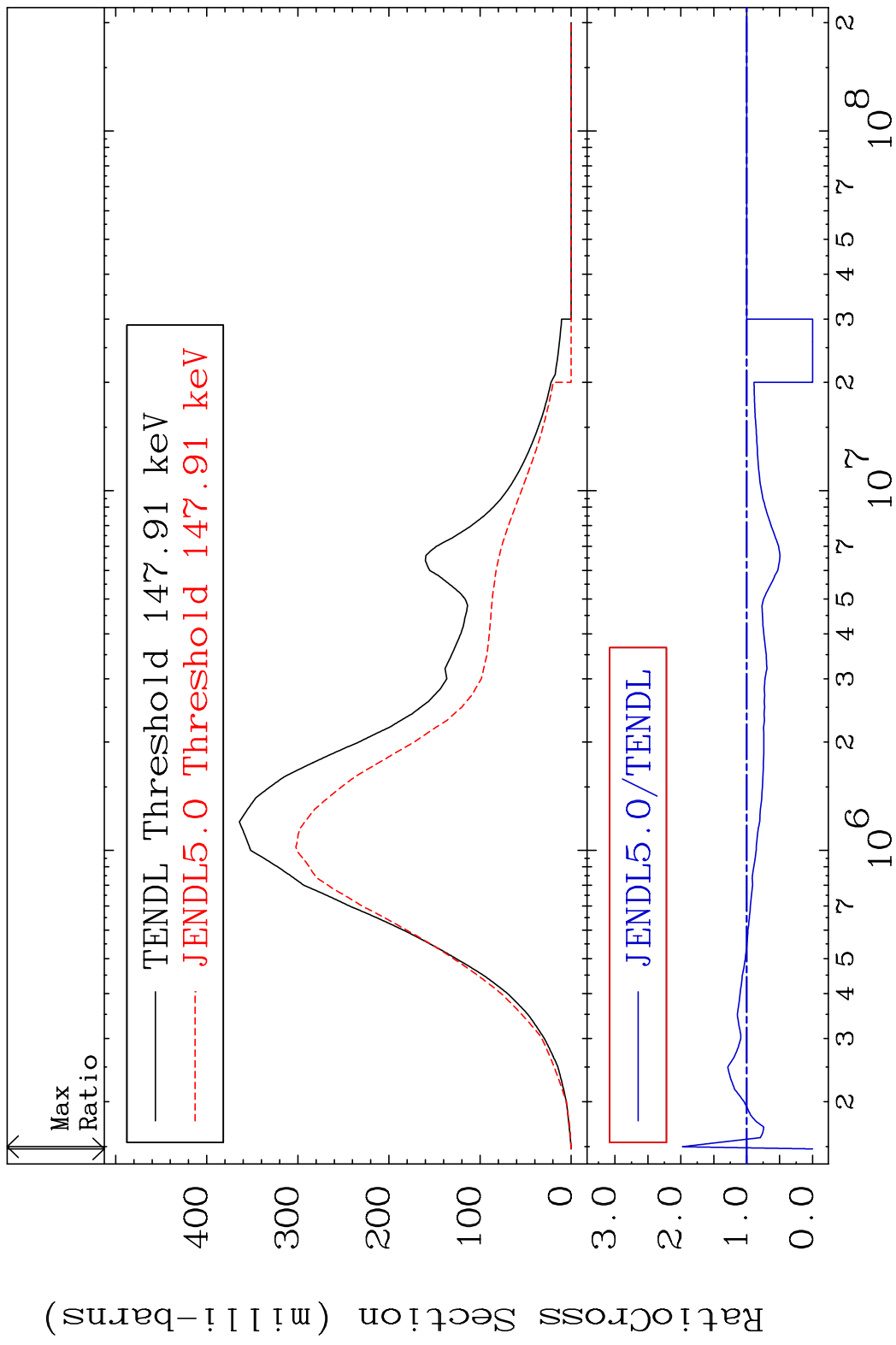
Incident Energy (eV)

94-Pu-242

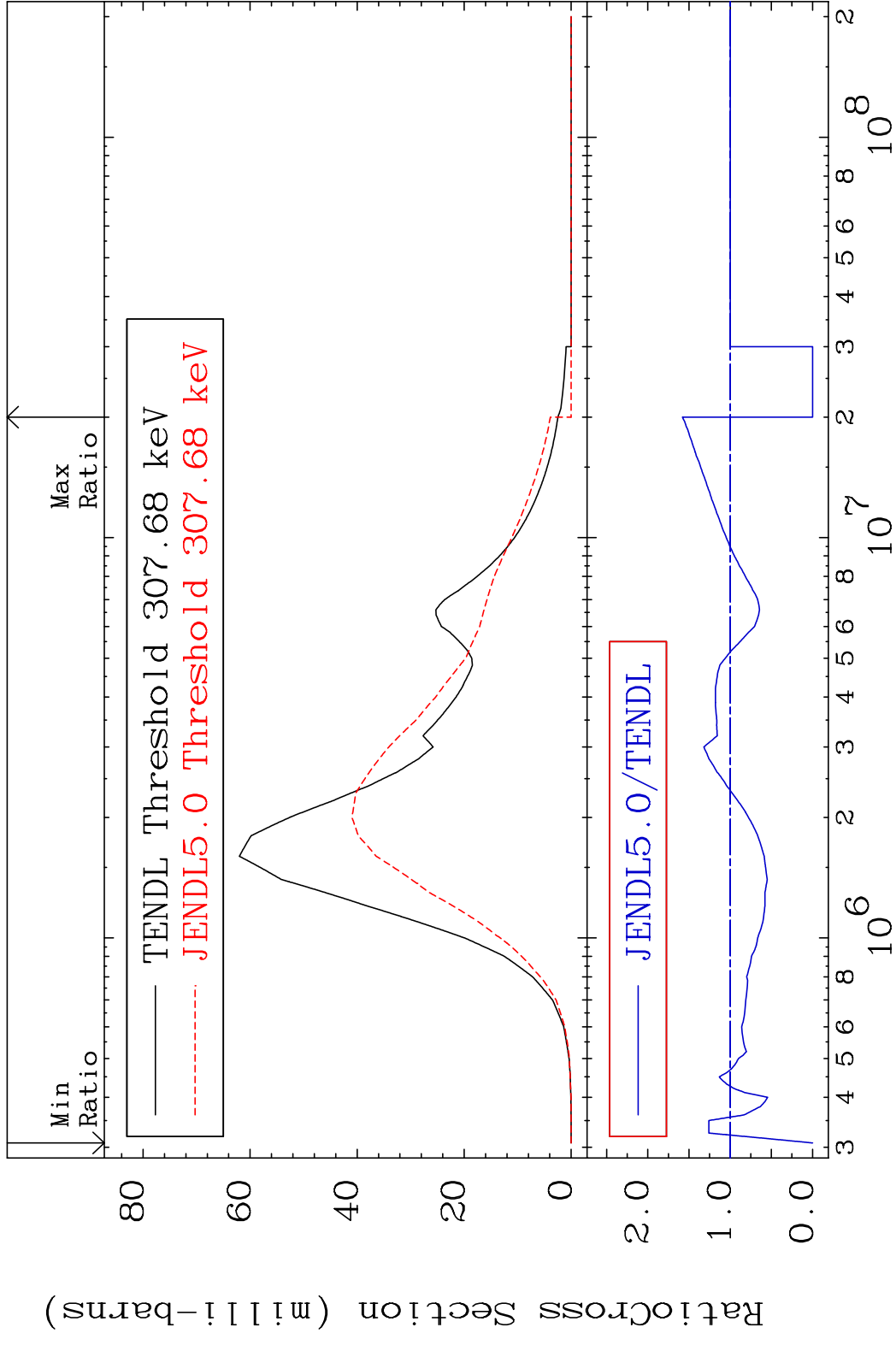
MAT 9446 MT= 51 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 23.96 %



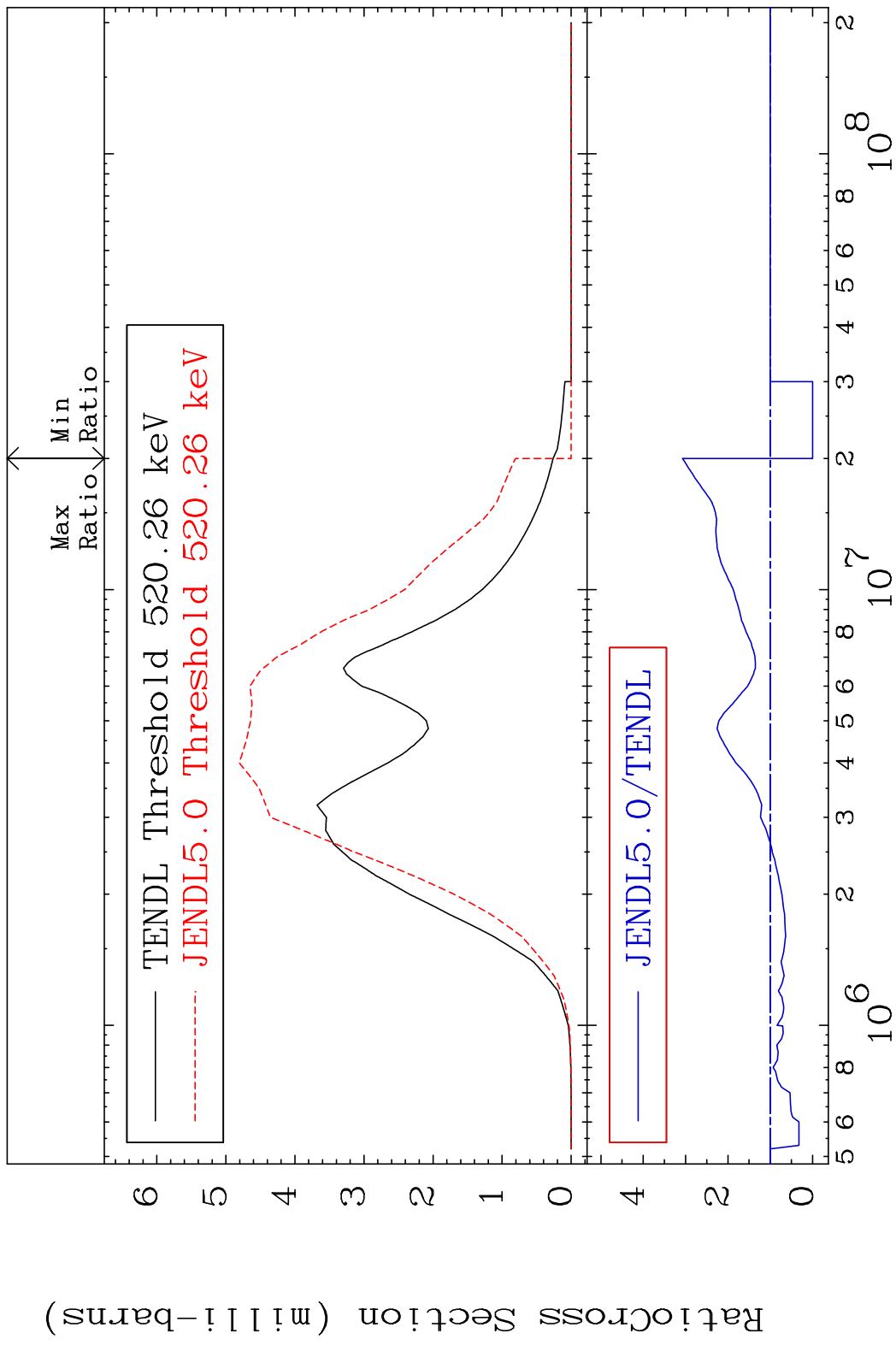
MAT 9446 MT= 52 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 97.72 %



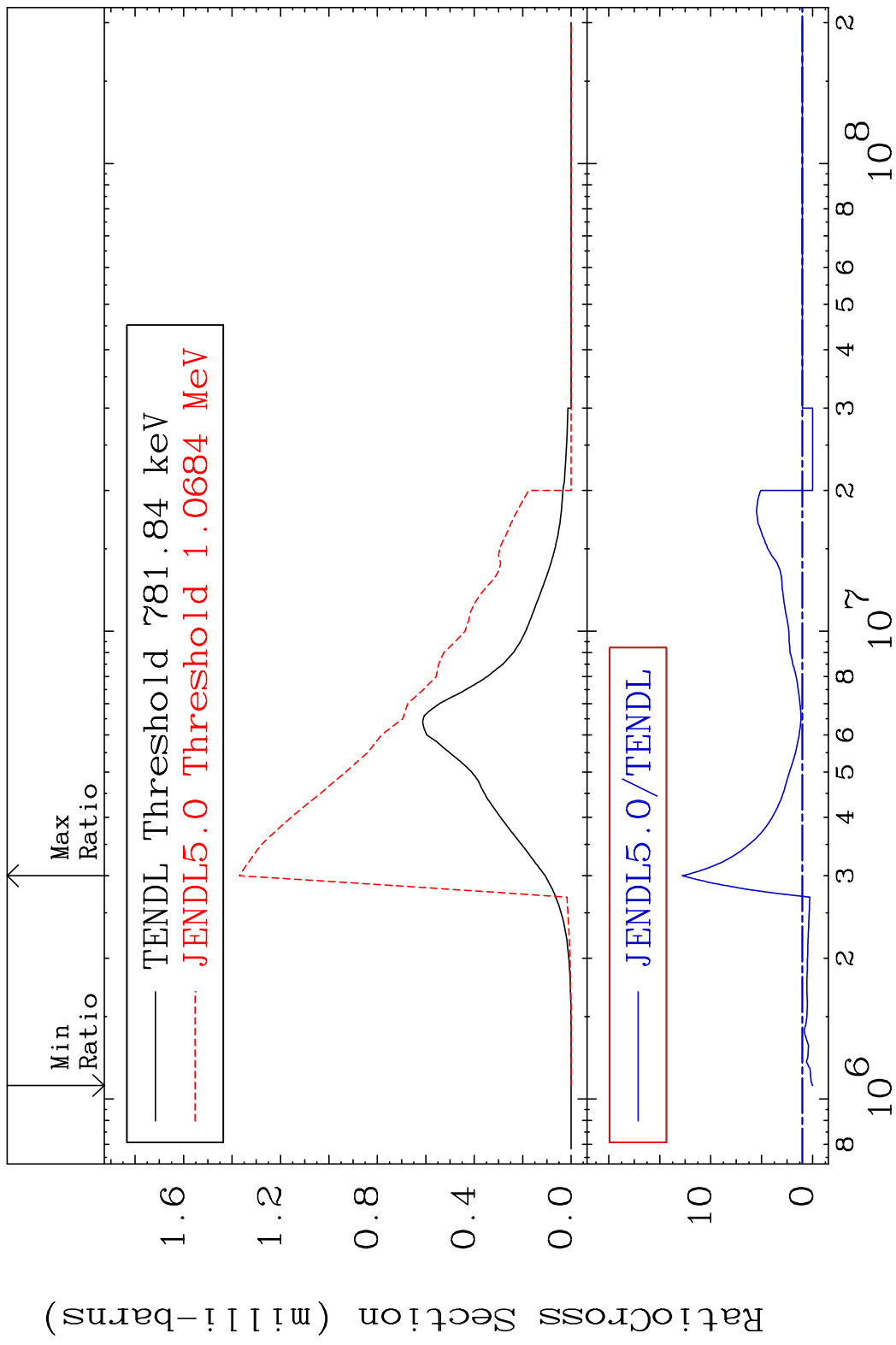
MAT 9446 MT= 53 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 58.05 %



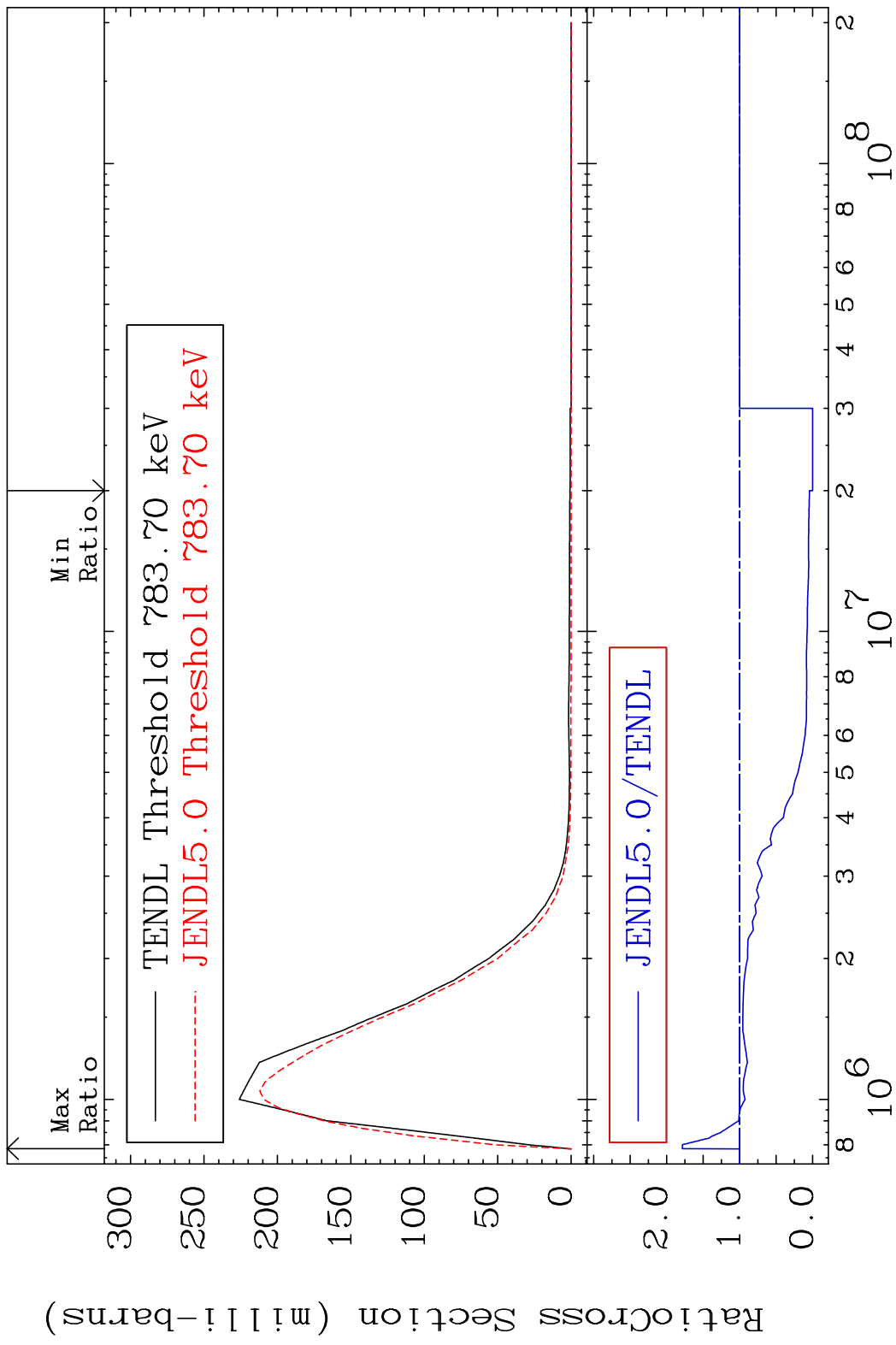
MAT 9446 MT= 54 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 207.6 %



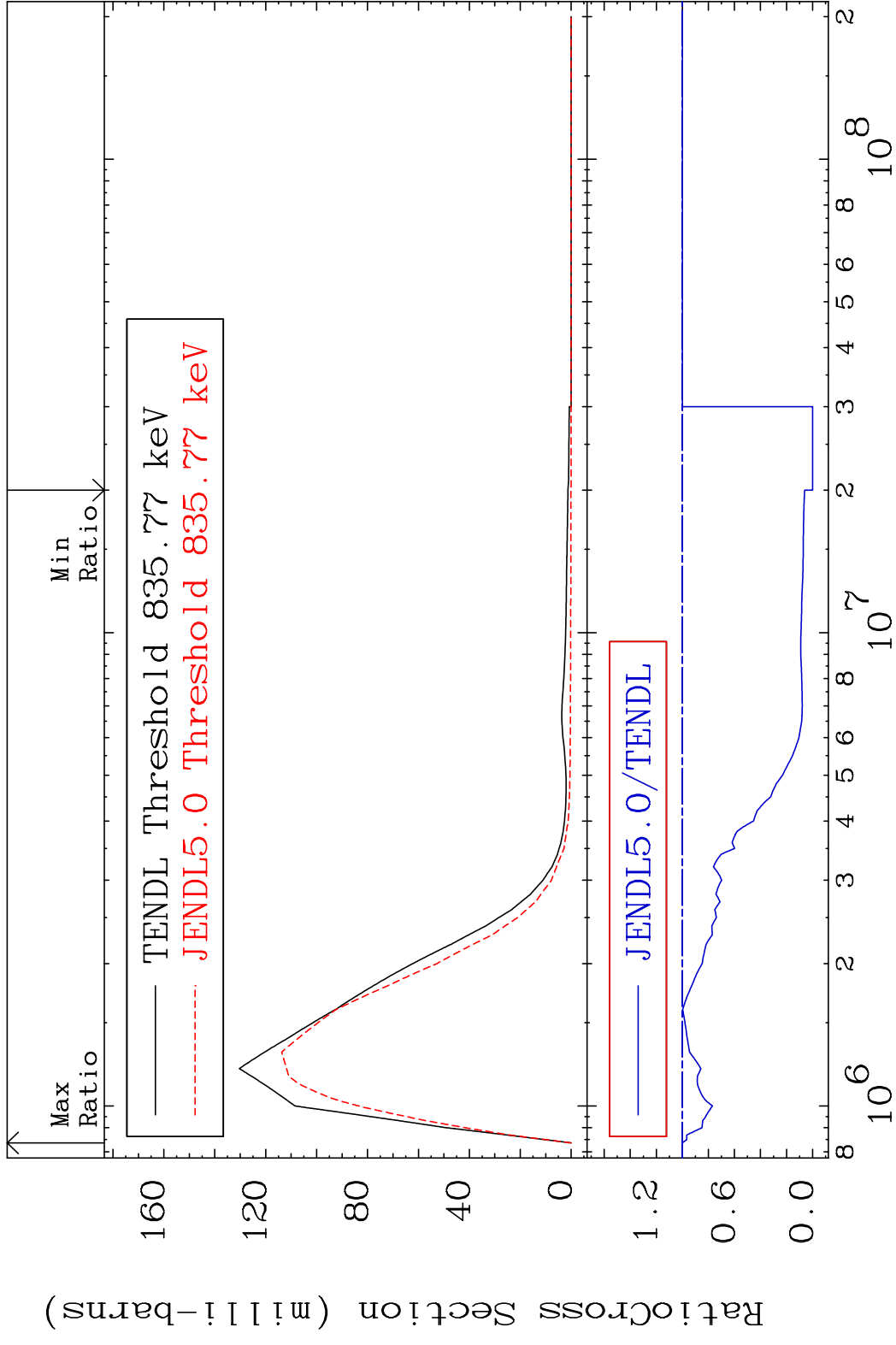
MAT 9446 MT= 55 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 1178. %



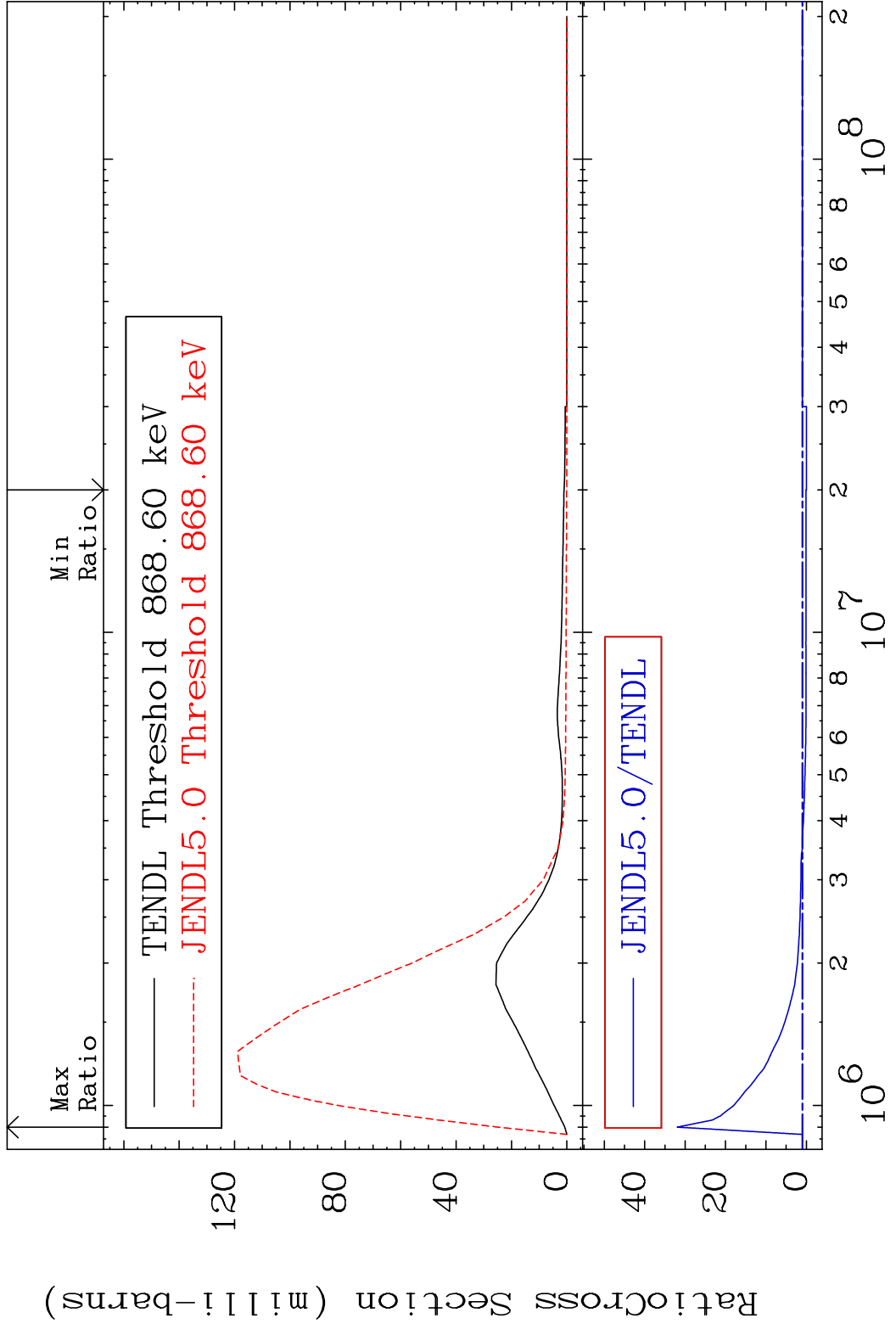
MAT 9446 MT= 56 (n,n') Level 94-Pu-242
 Cross Section -100.0 To 78.53 %



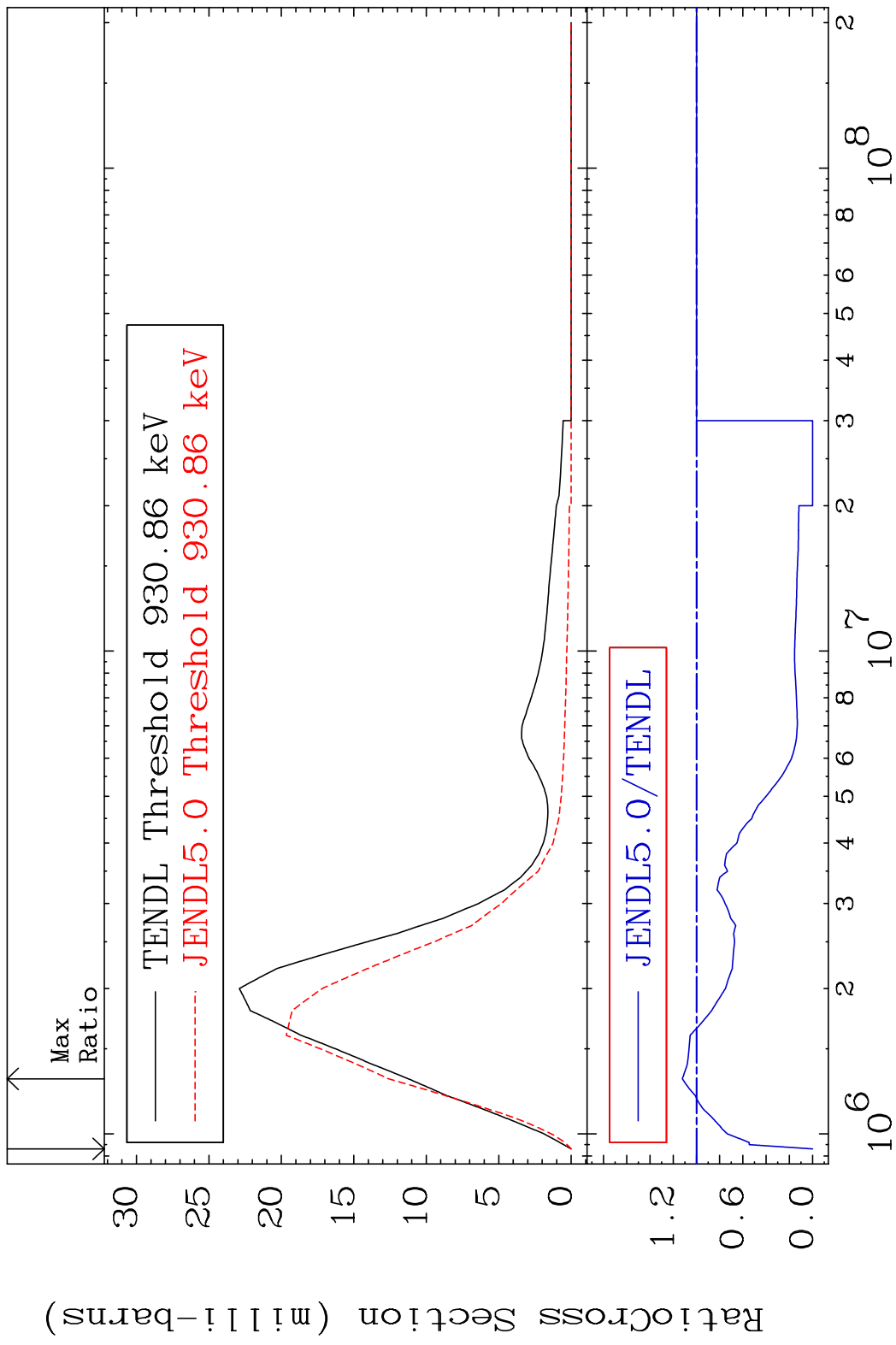
MAT 9446 MT= 57 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 0.000 %



MAT 9446 MT= 58 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 3096. %

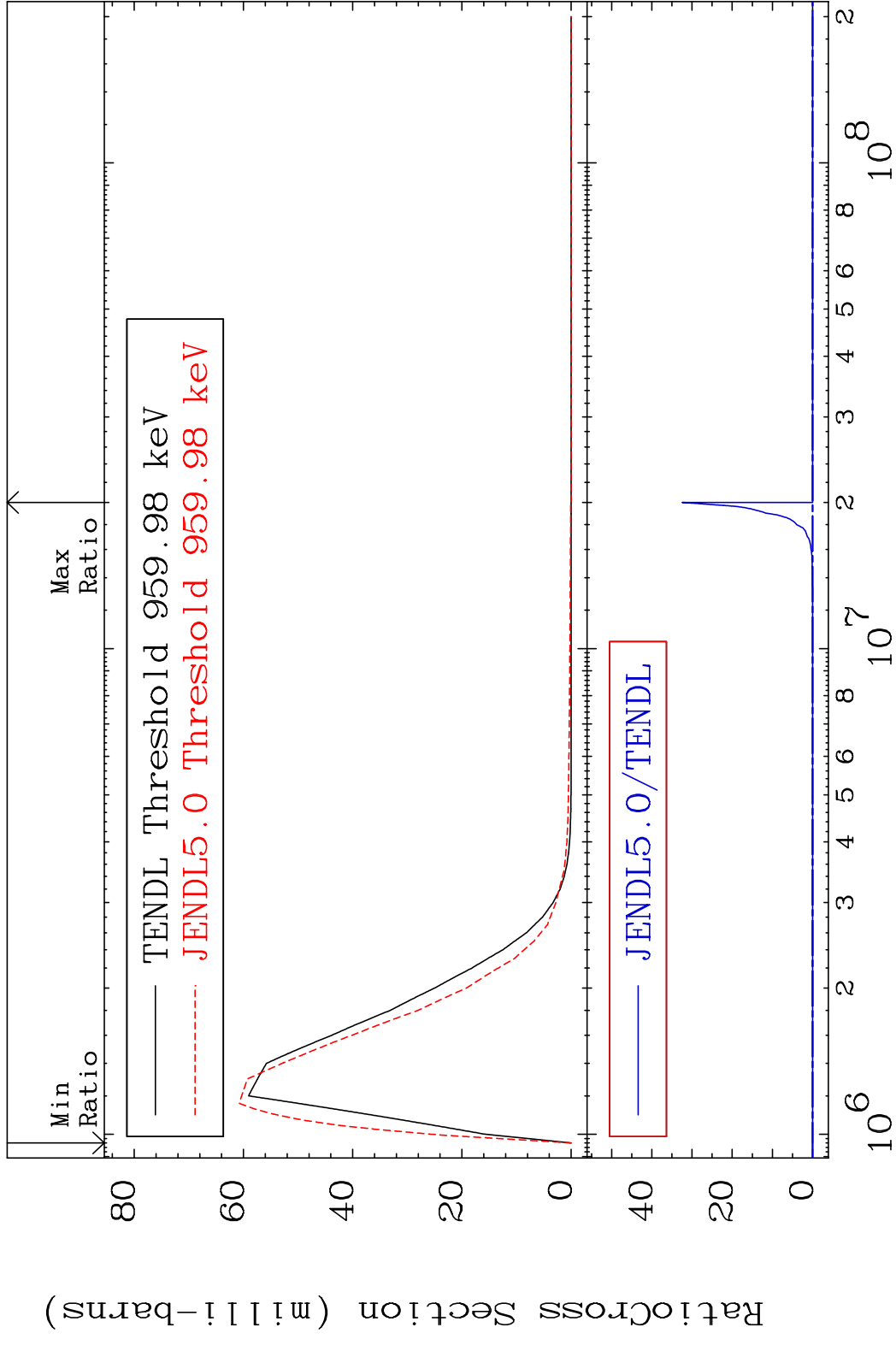


MAT 9446 MT= 59 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 12.13 %



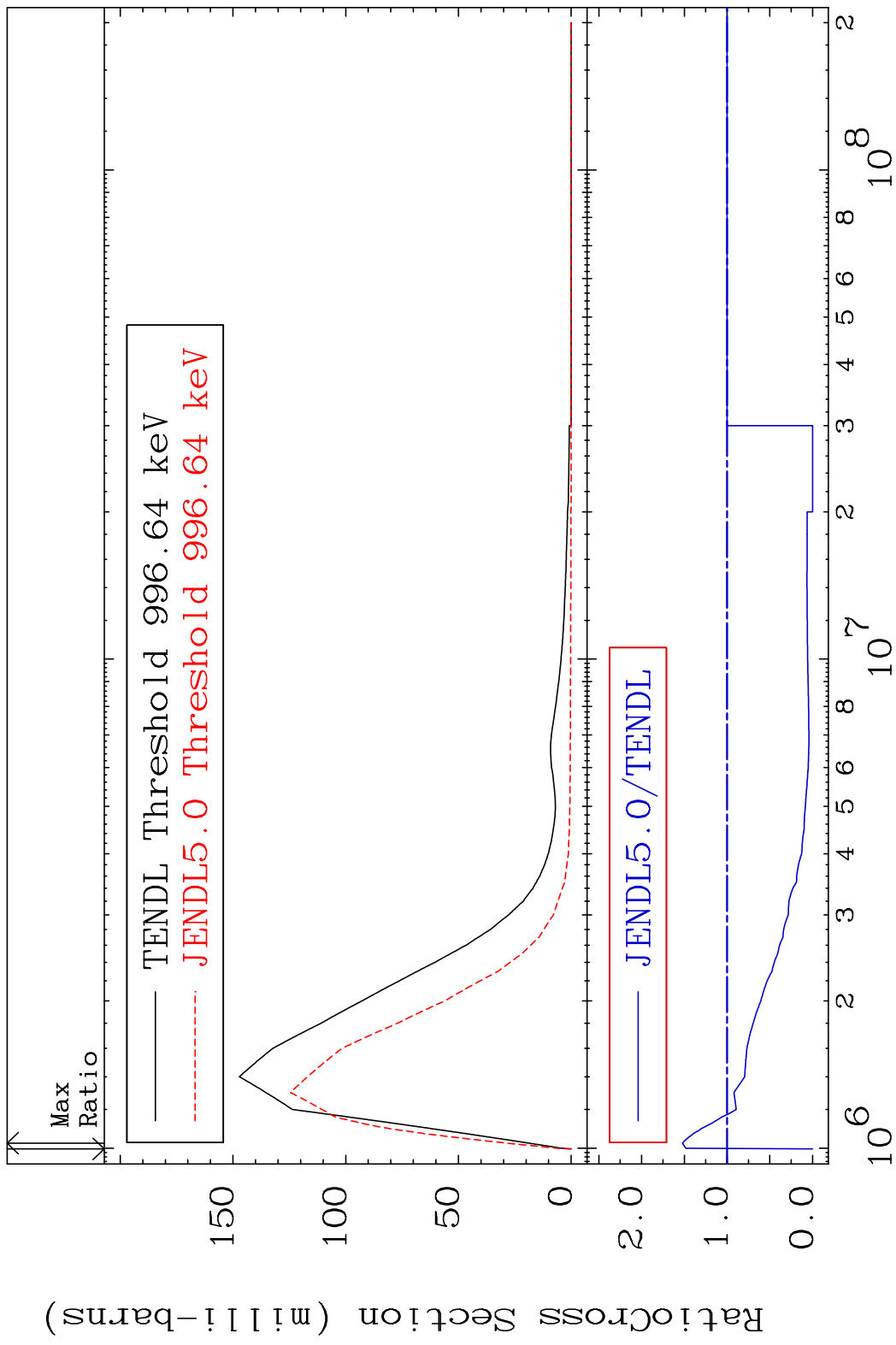
17 94-Pu-242

MAT 9446 MT= 60 (n, n') Level 94-Pu-242
Cross Section -100.0 To 9999. %

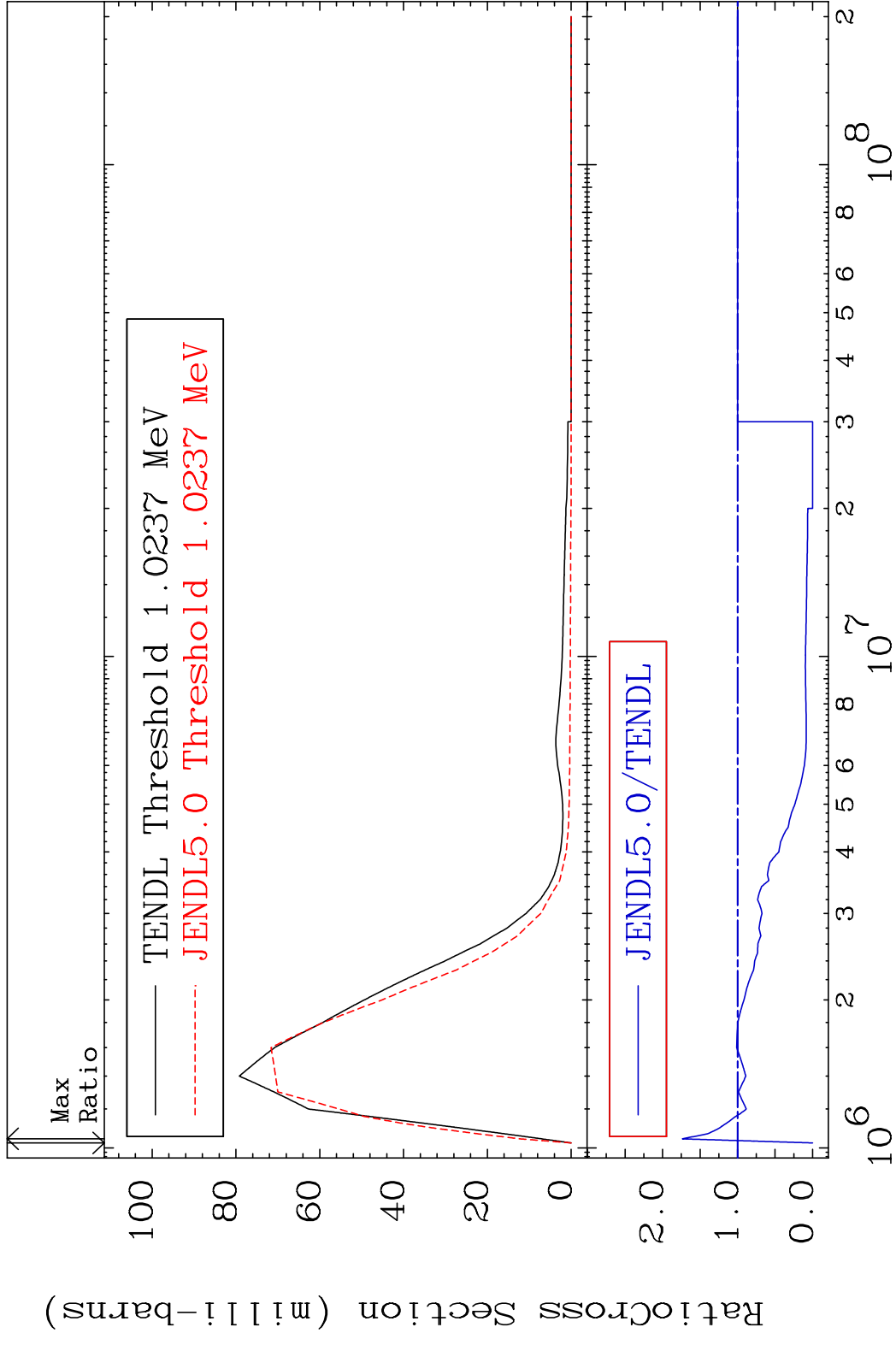


18 Incident Energy (eV) 94-Pu-242

MAT 9446 MT= 61 (n,n') Level 94-Pu-242
 Cross Section -100.0 To 52.32 %

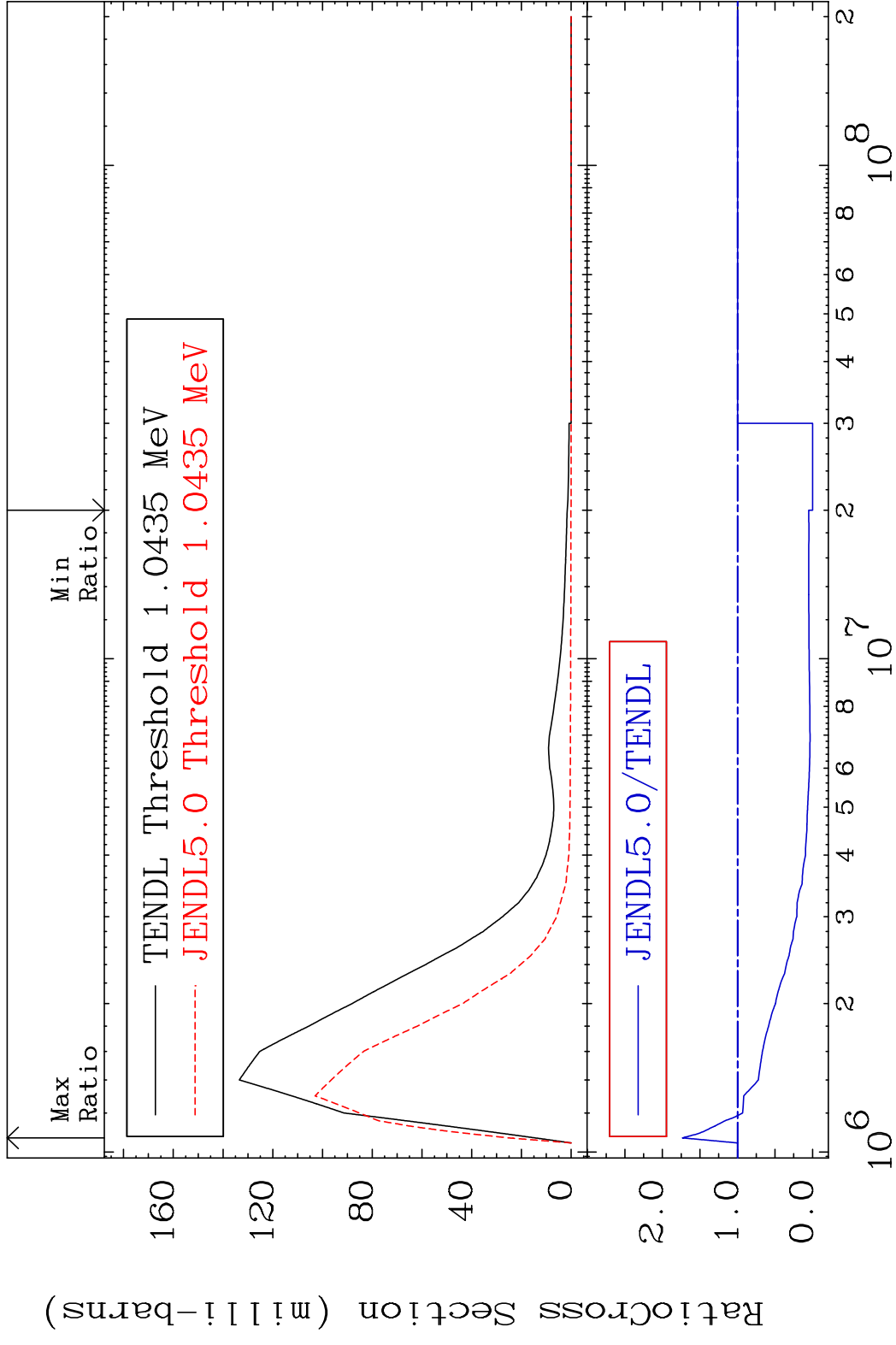


MAT 9446 MT= 62 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 73.62 %

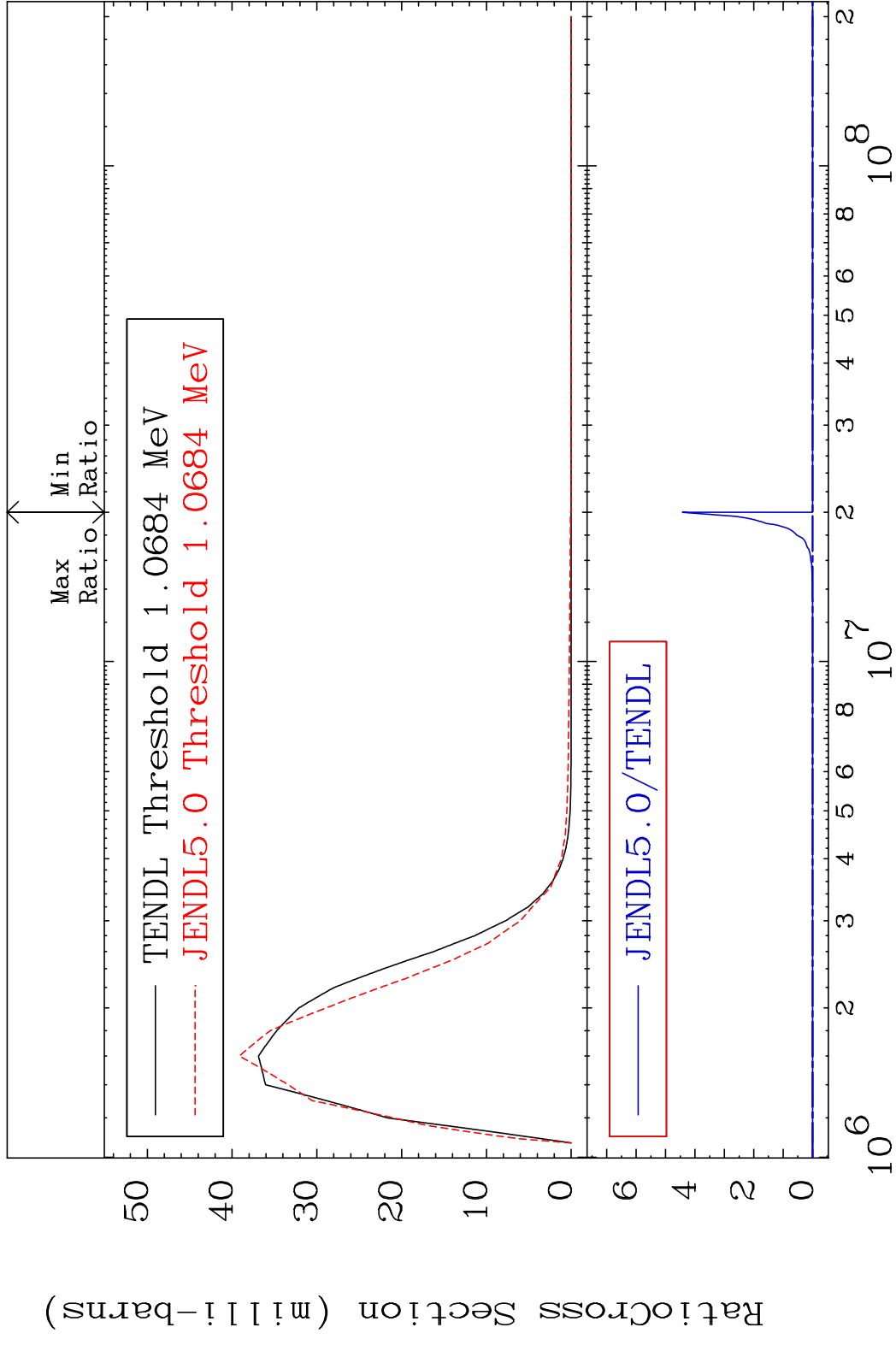


20 Incident Energy (eV) 94-Pu-242

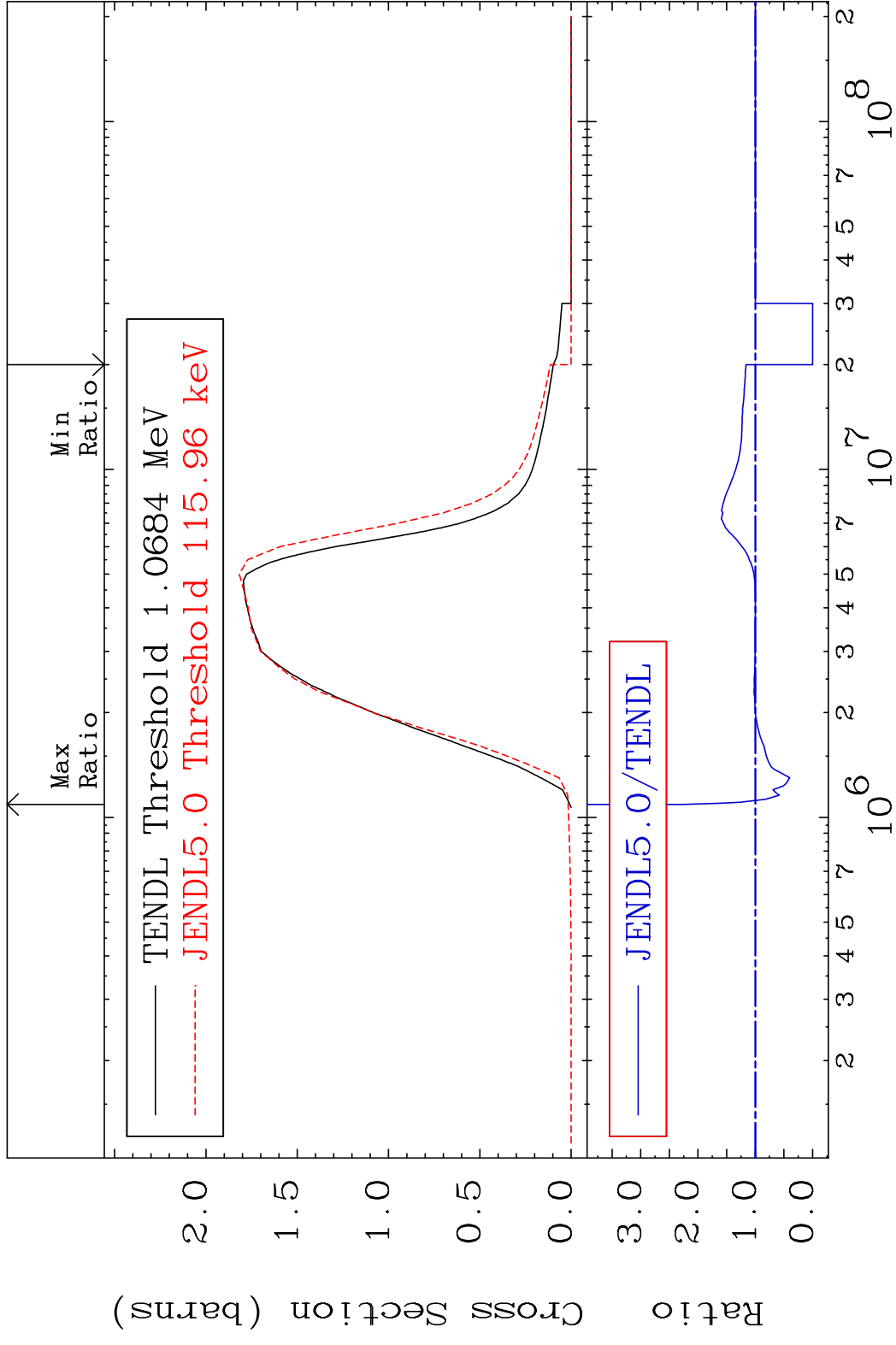
MAT 9446 MT= 63 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 73.46 %



MAT 9446 MT= 64 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 9999. %



MAT 9446 (n, n') Continuum 94-Pu-242
 Cross Section -100.0 To 127.3 %

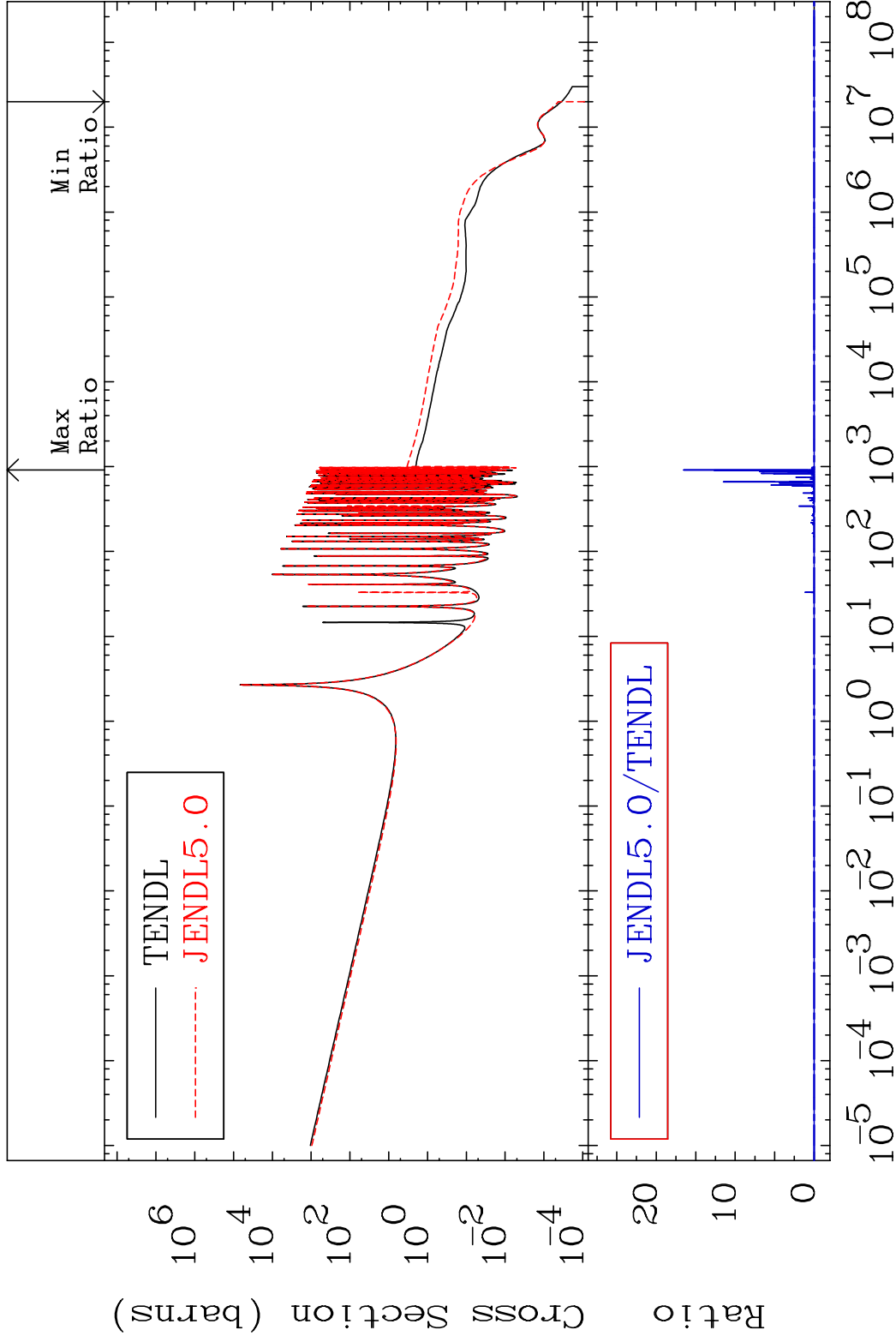


MAT 9446

(n, γ)

94-Pu-242

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

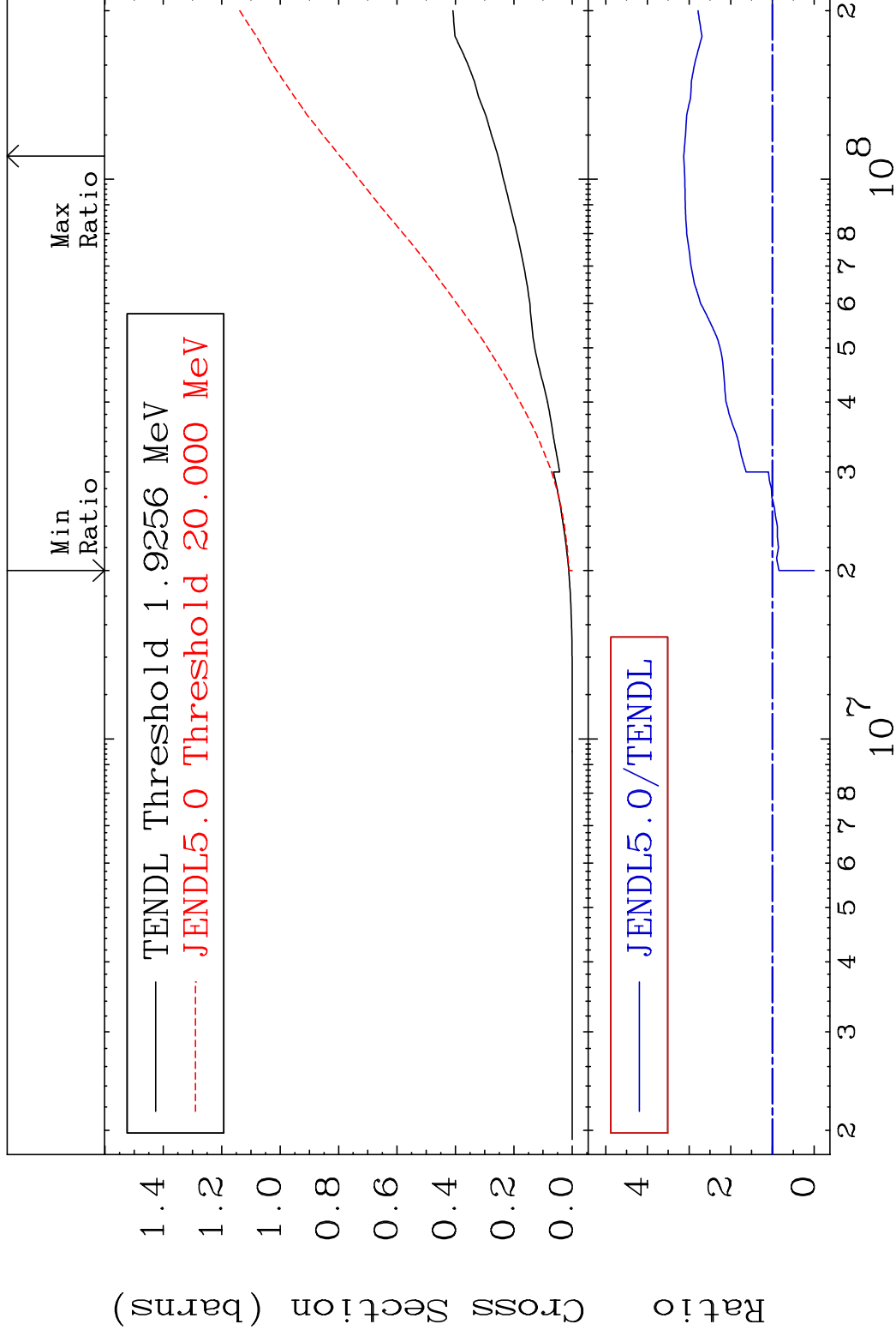
94-Pu-242

MAT 9446

Hydrogen Production

94-Pu-242

Cross Section -100.0 To 213.1 %



25

Incident Energy (eV)

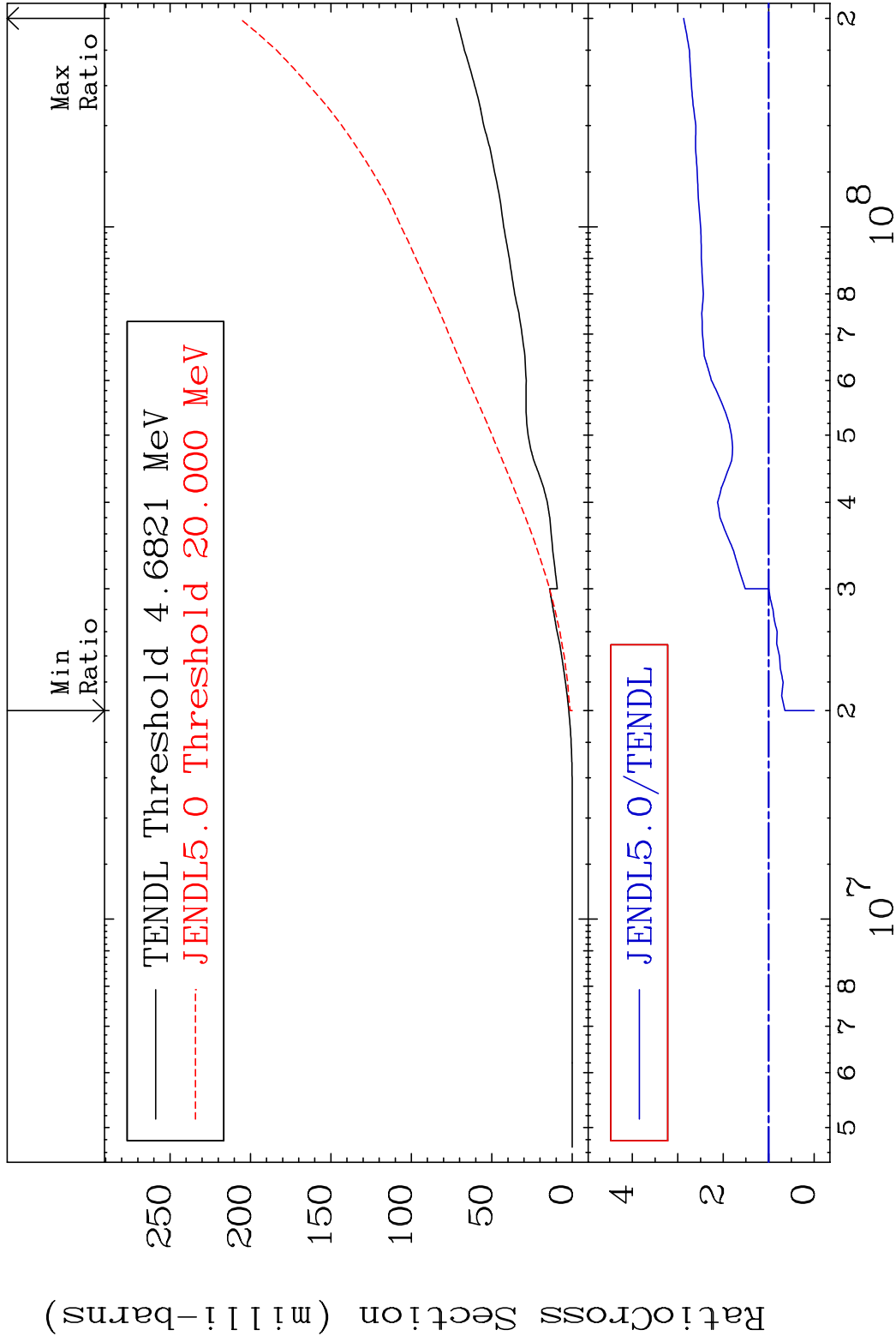
94-Pu-242

MAT 9446

Deuterium Production

94-Pu-242

Cross Section -100.0 To 187.1 %

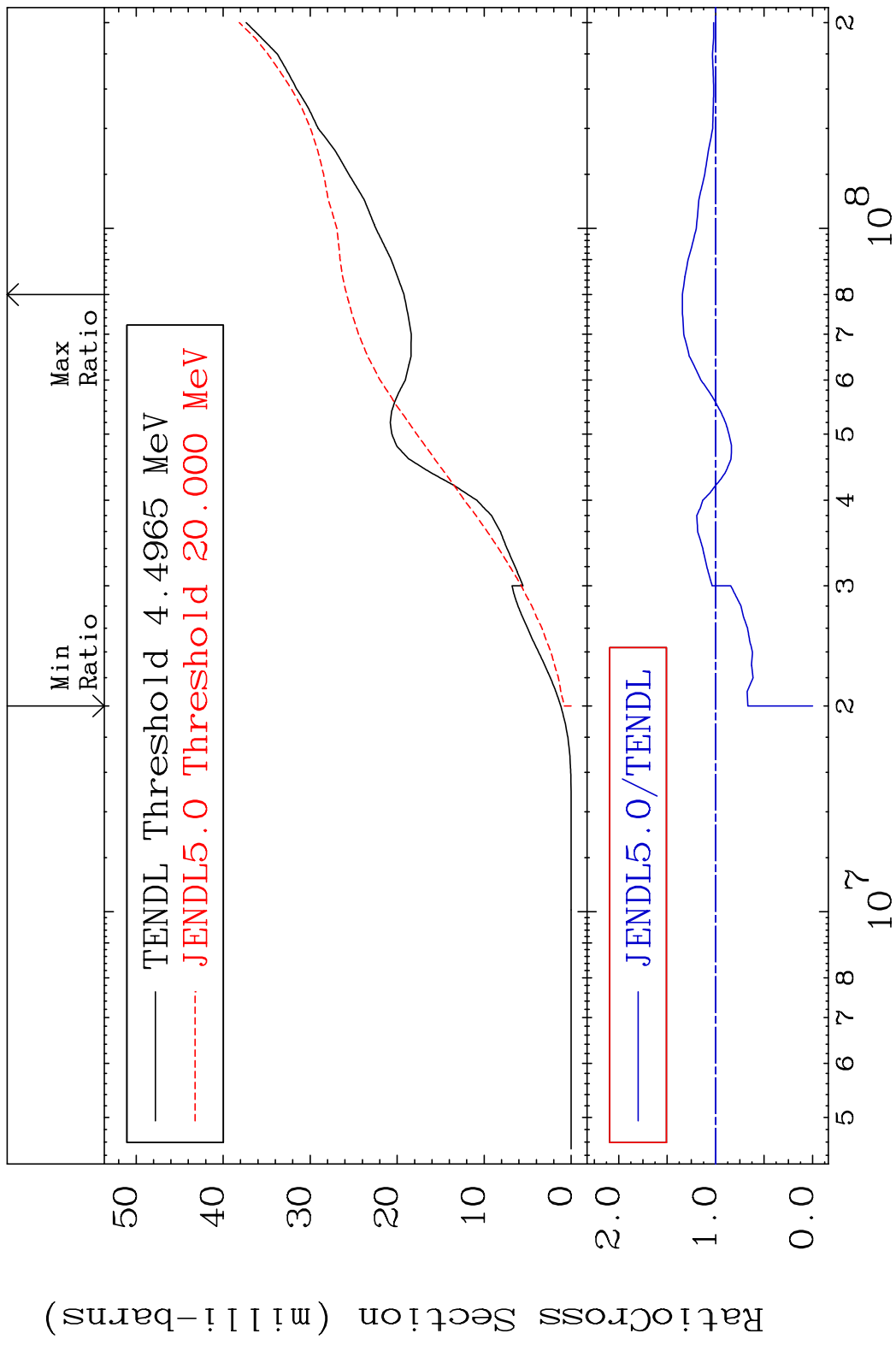


26

Incident Energy (eV)

94-Pu-242

MAT 9446 Tritium Production ⁹⁴Pu-242
 Cross Section -100.0 To 34.30 %



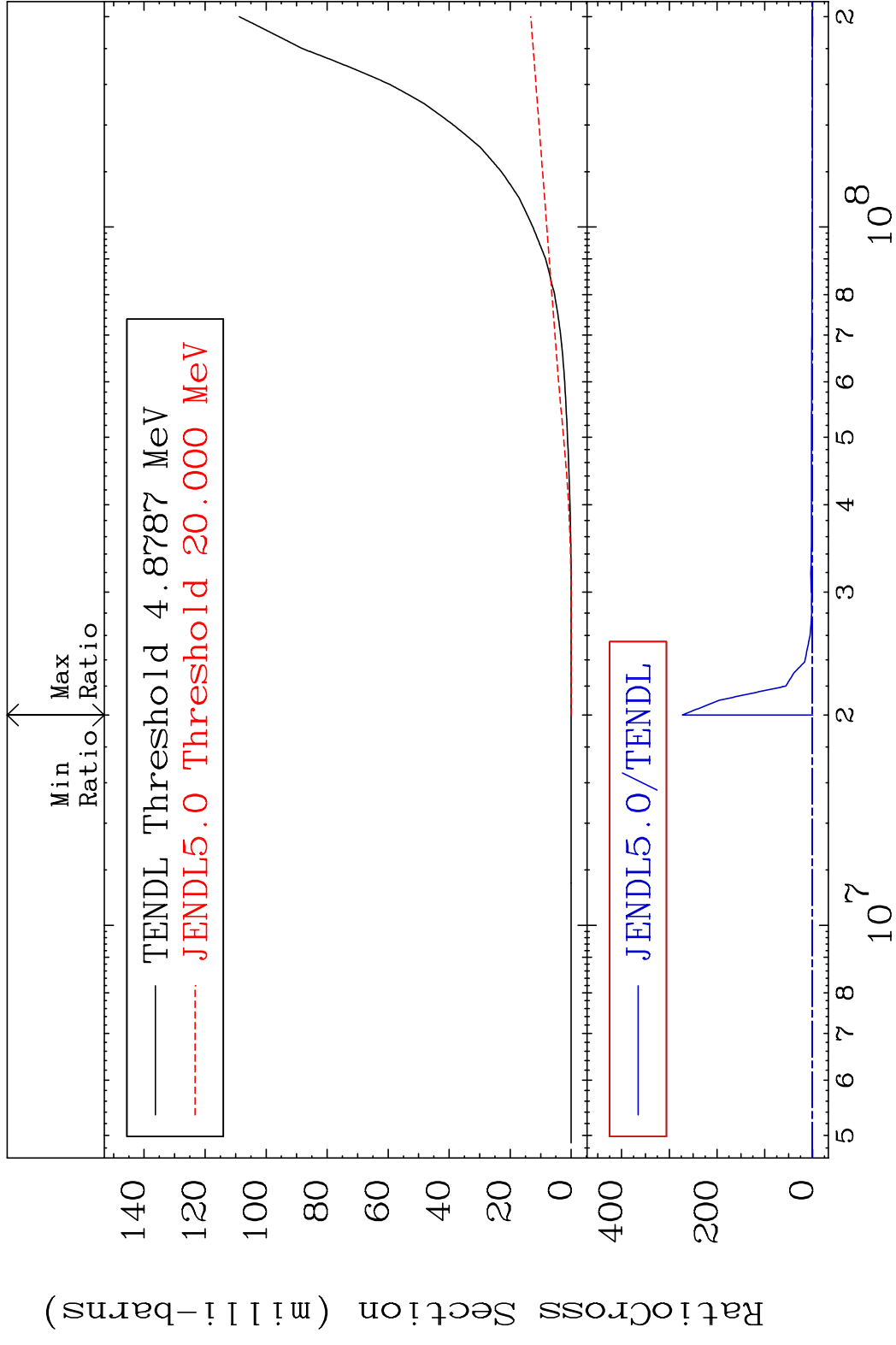
27 Incident Energy (eV) ⁹⁴Pu-242

MAT 9446

He-3 Production

94-Pu-242

Cross Section -100.0 To 9999. %

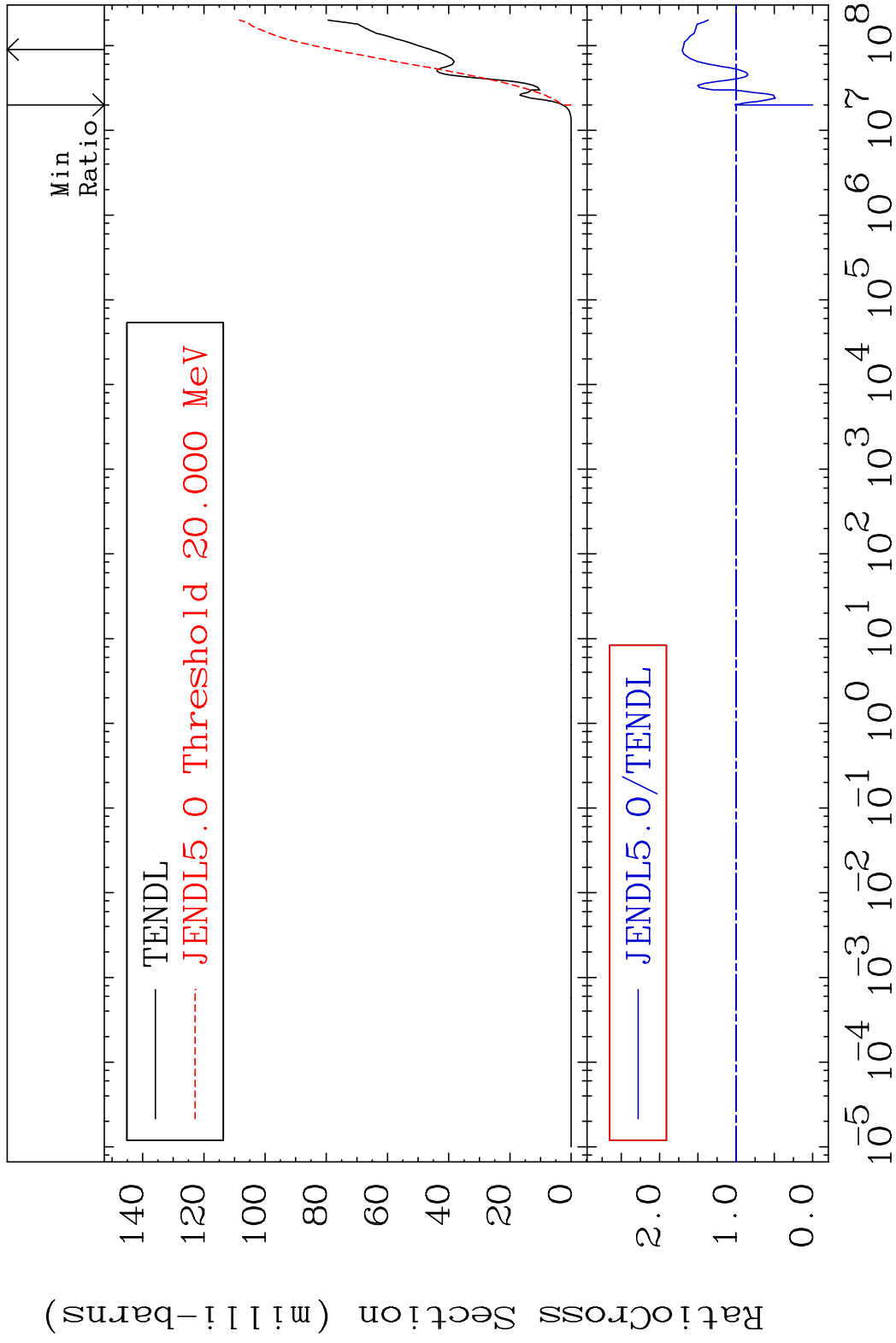


MAT 9446

He-4 Production

94-Pu-242

Cross Section -100.0 To 70.21 %



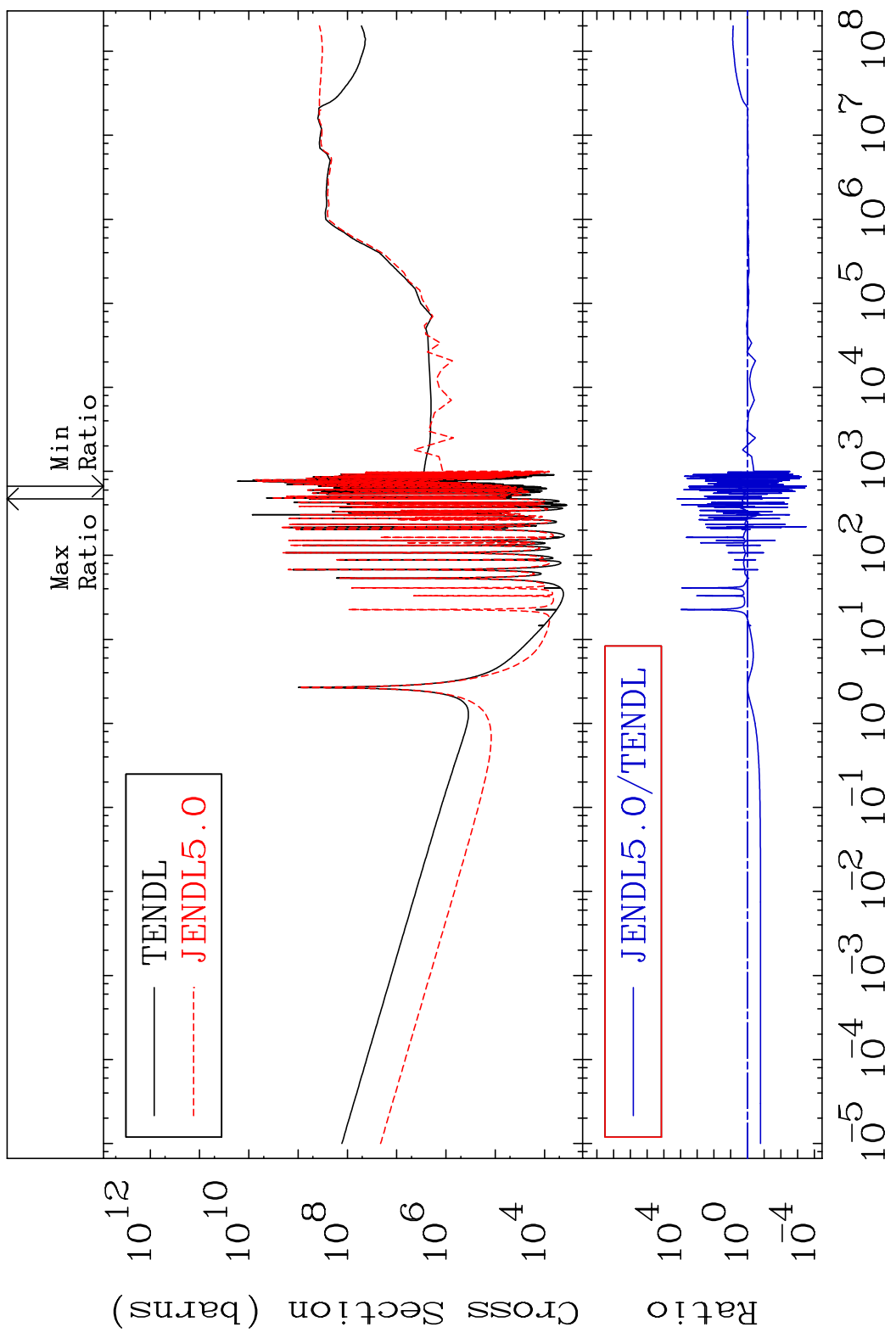
29

Incident Energy (eV)

94-Pu-242

MAT 9446

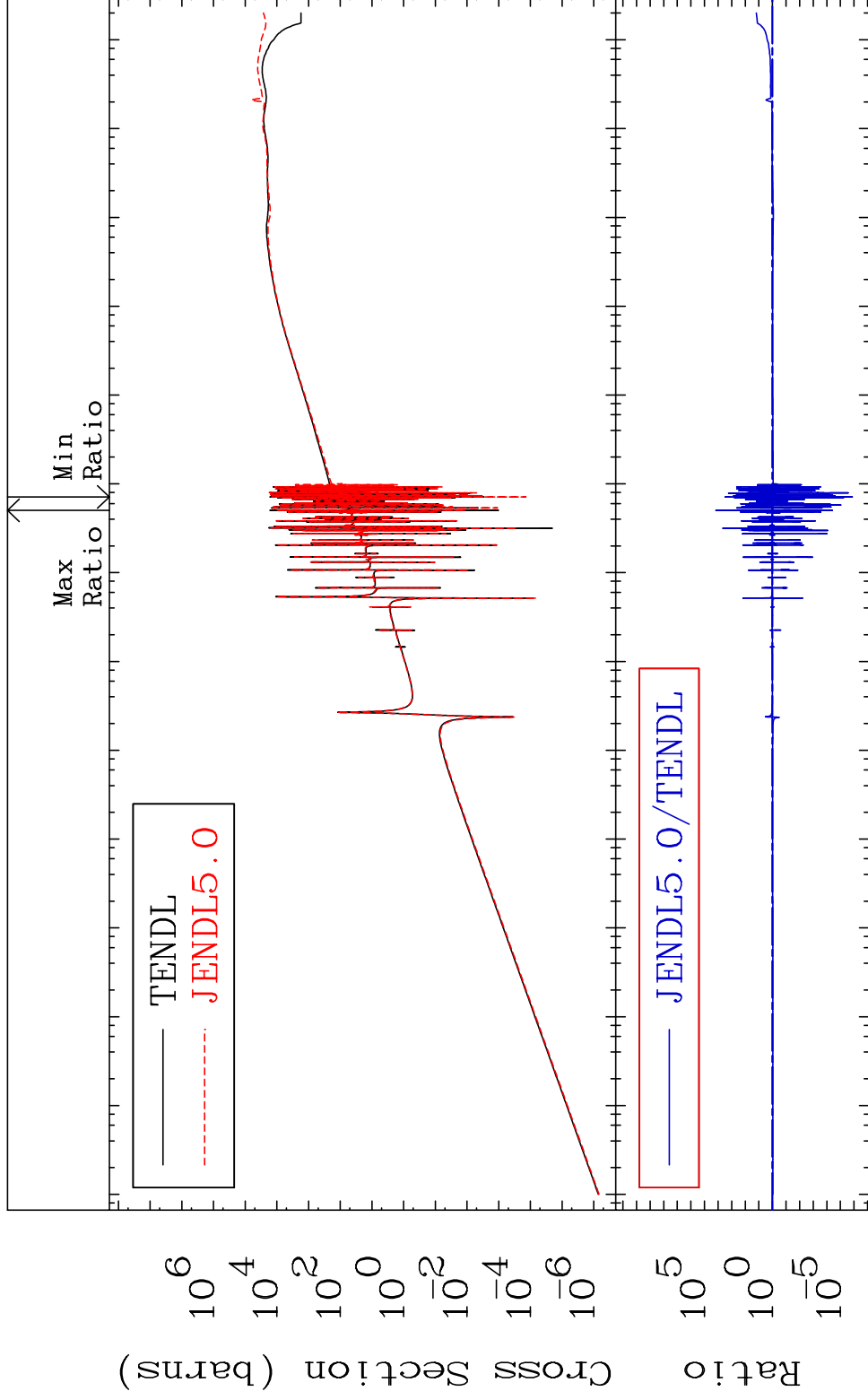
Kerma total (eV-barns) 94-Pu-242
Cross Section -99.97 To 9999. %



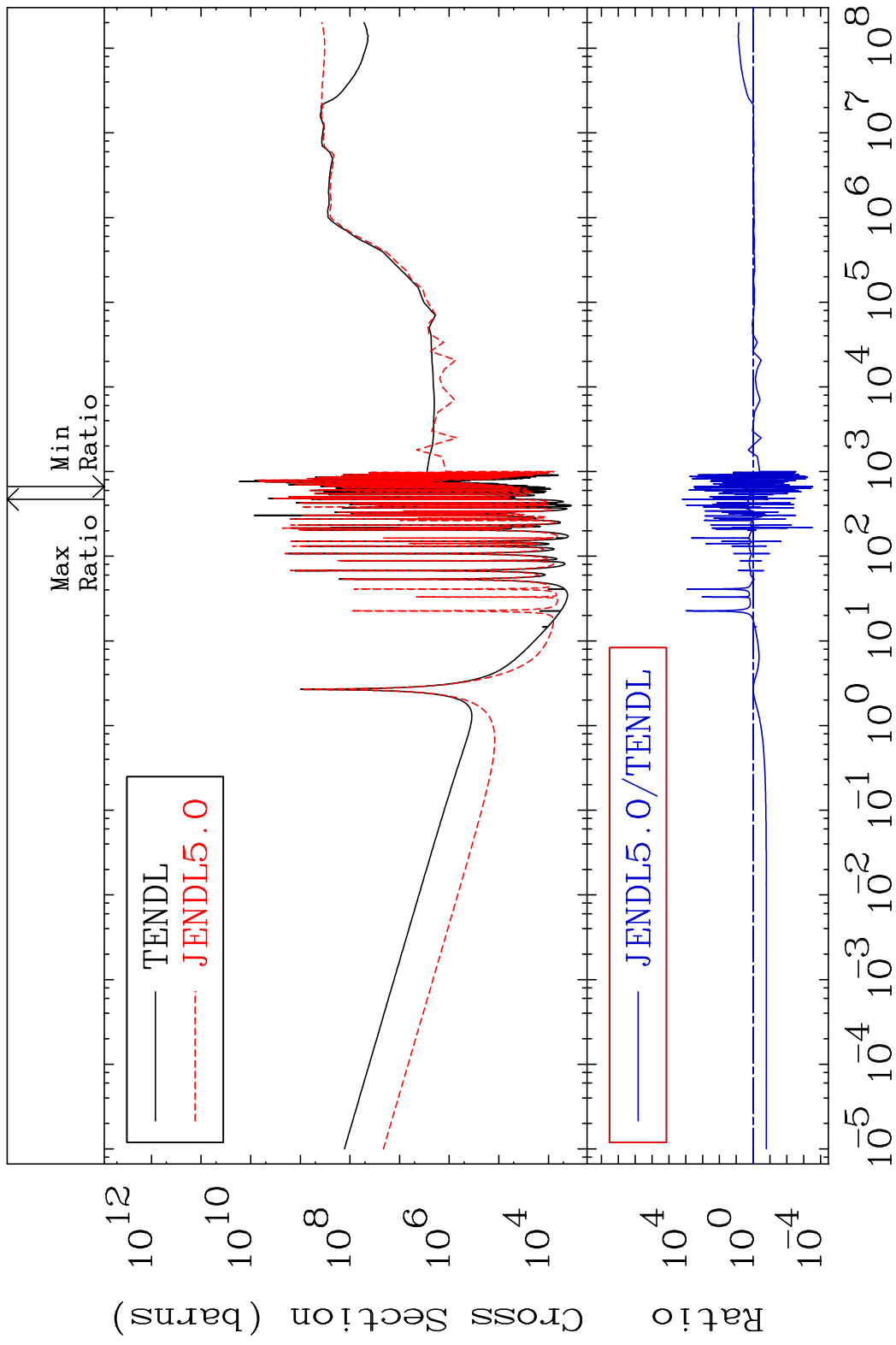
MAT 9446

Kerma elastic
Cross Section -100.0 To 9999. %

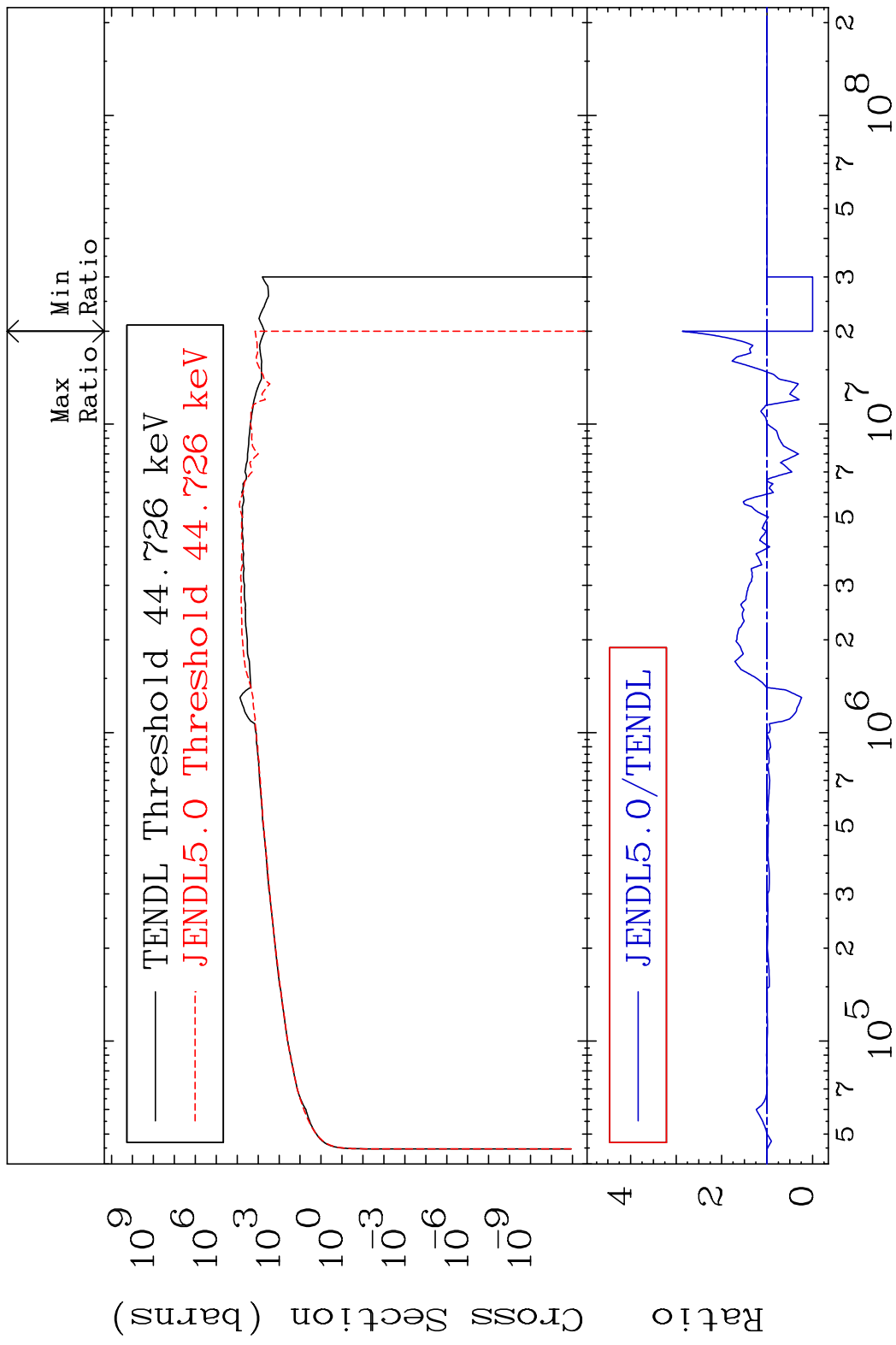
94-Pu-242



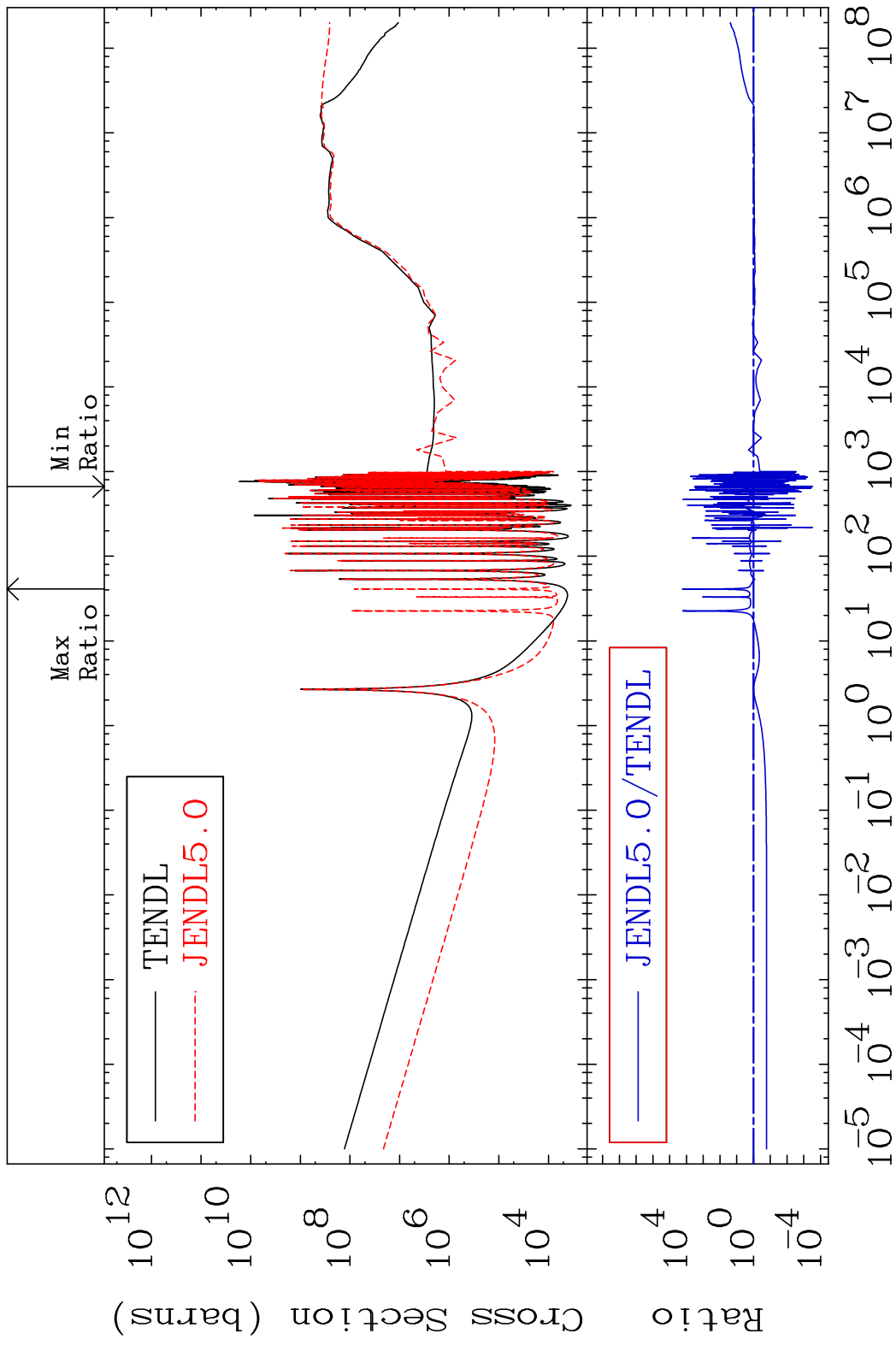
MAT 9446 Kerma non-elastic (all but mt2) 94-Pu-242
 Cross Section -99.97 To 9999. %



MAT 9446 Kerma inelastic (mt51-91) 94-Pu-242
 Cross Section -100.0 To 186.3 %

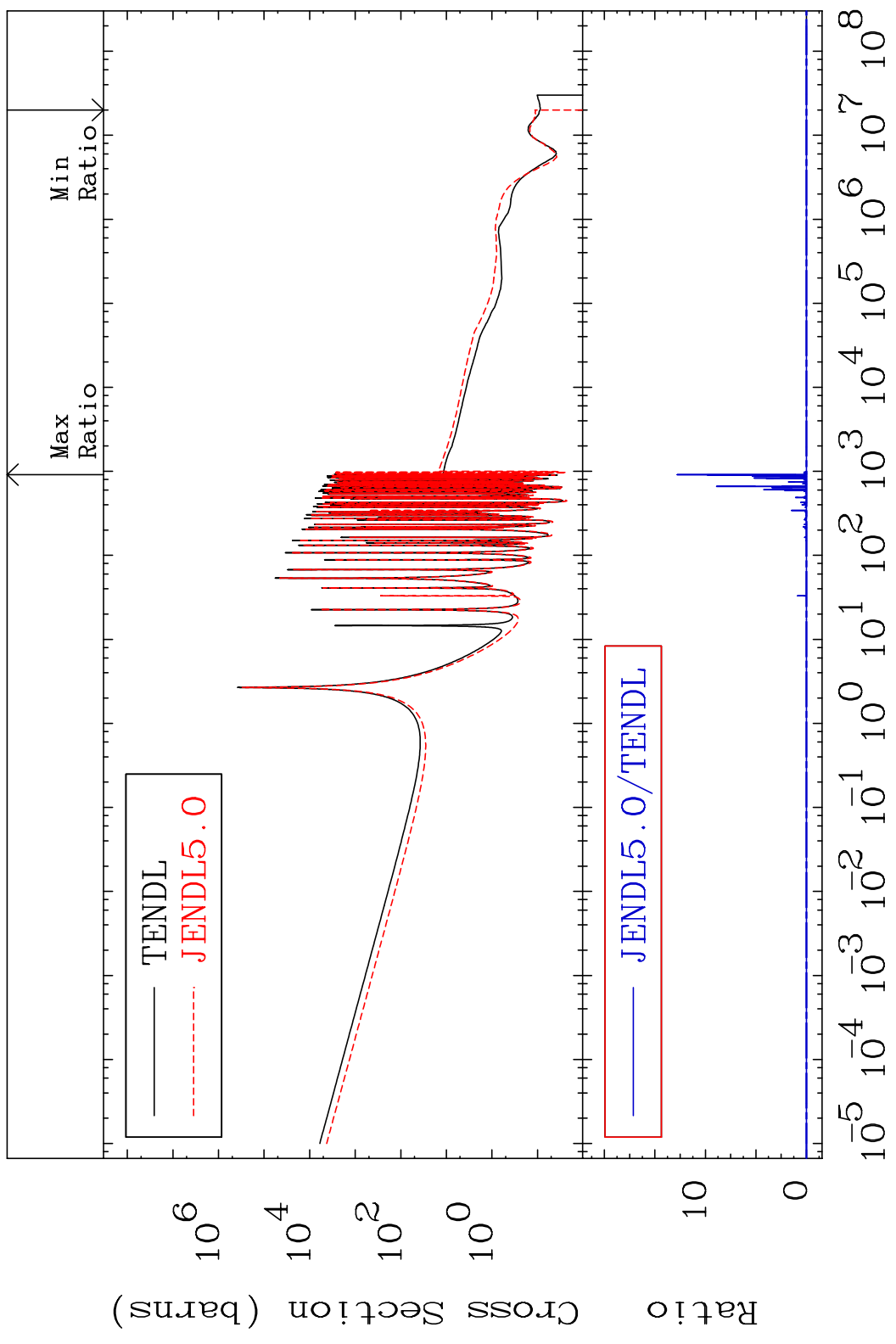


MAT 9446 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-242
 Cross Section -99.97 To 9999. %



MAT 9446

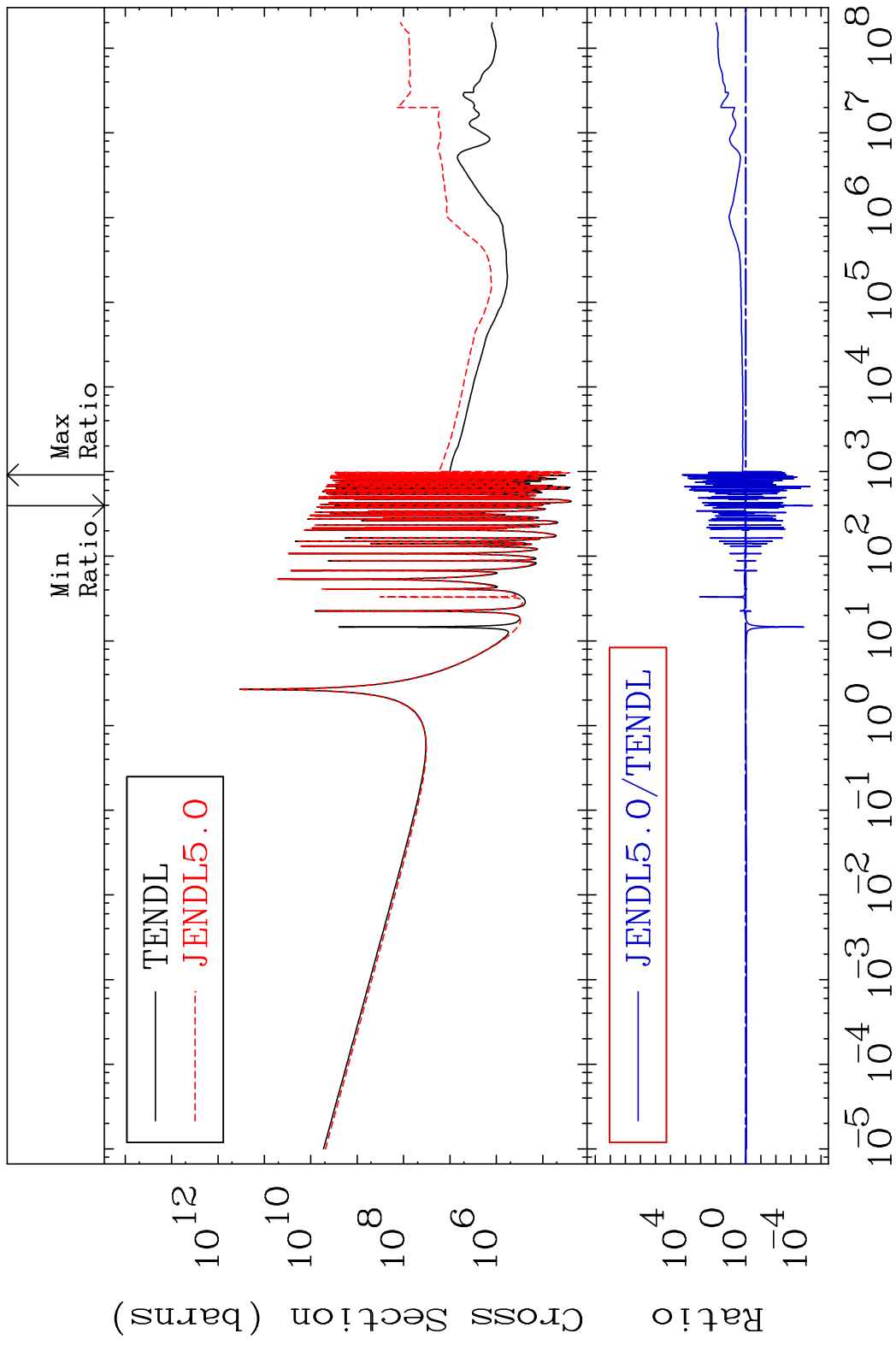
Kerma capture (mt102) 94-Pu-242
Cross Section -100.0 To 9999. %



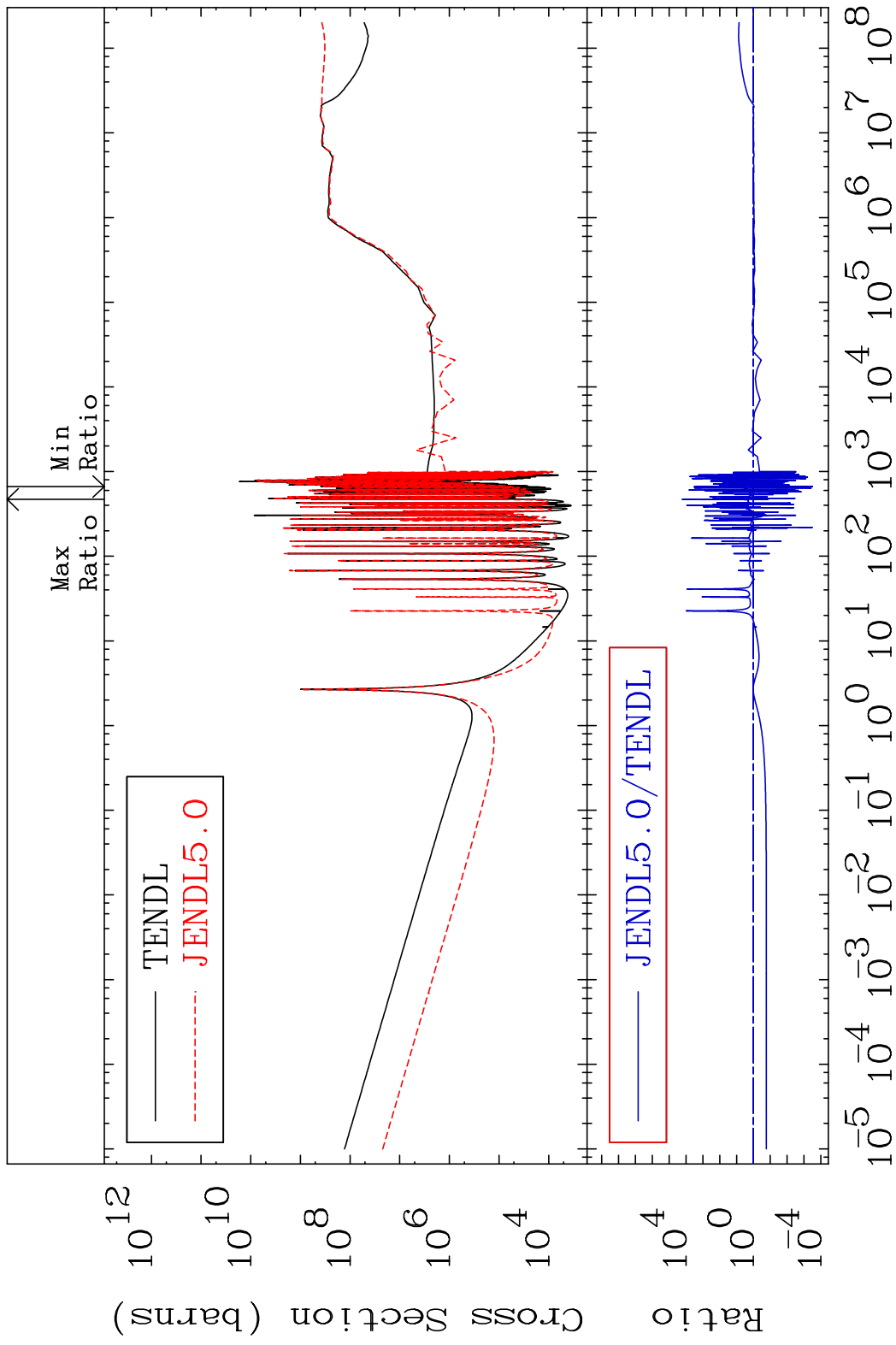
35

Incident Energy (eV) 94-Pu-242

MAT 9446 Total photon (eV-barns) 94-Pu-242
 Cross Section -100.0 To 9999. %



MAT 9446 Total kinematic kerma (high limit) 94-Pu-242
 Cross Section -99.97 To 9999. %

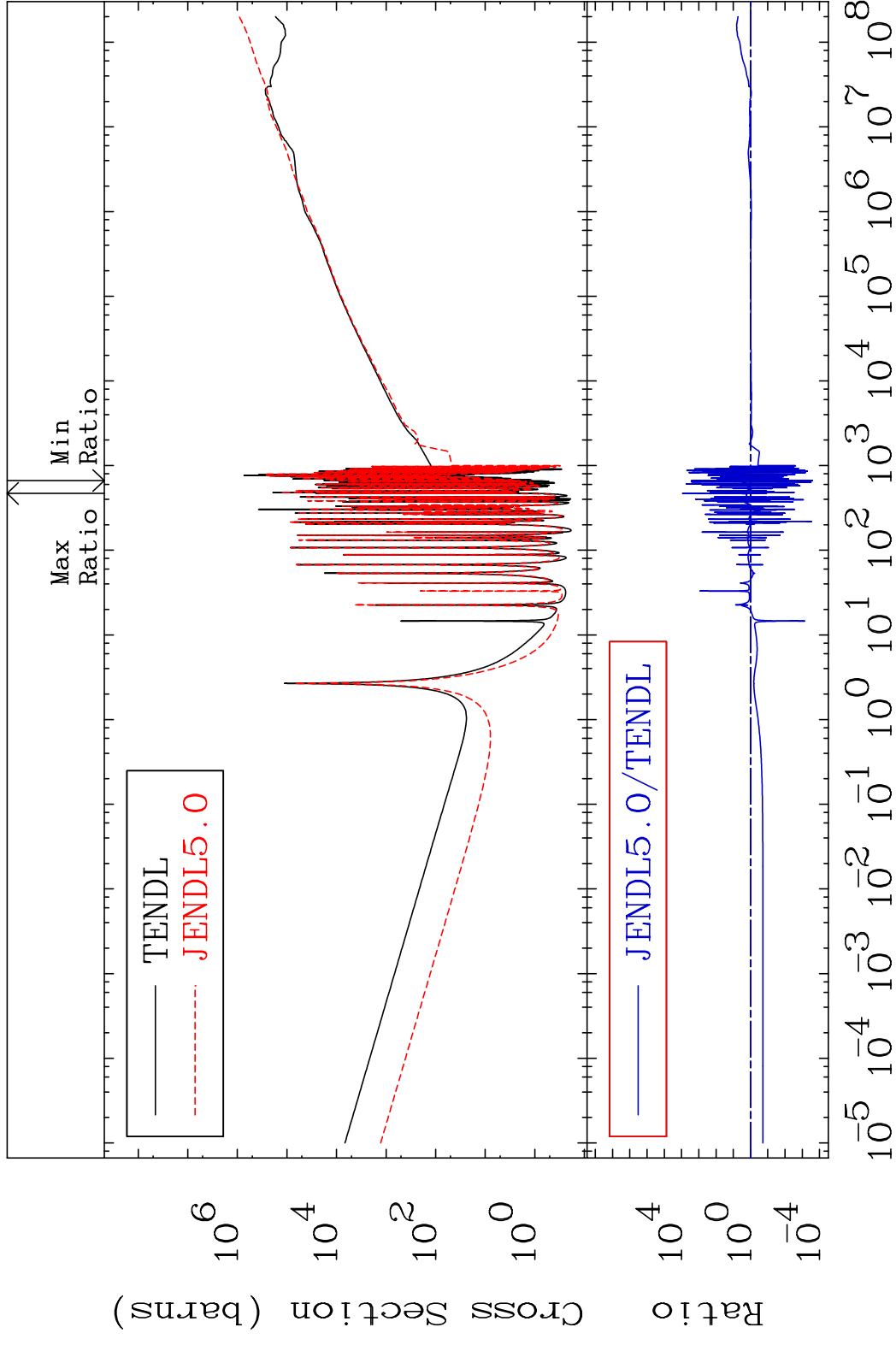


MAT 9446

Dpa total (eV-barns)

94-Pu-242

Cross Section -99.97 To 9999. %

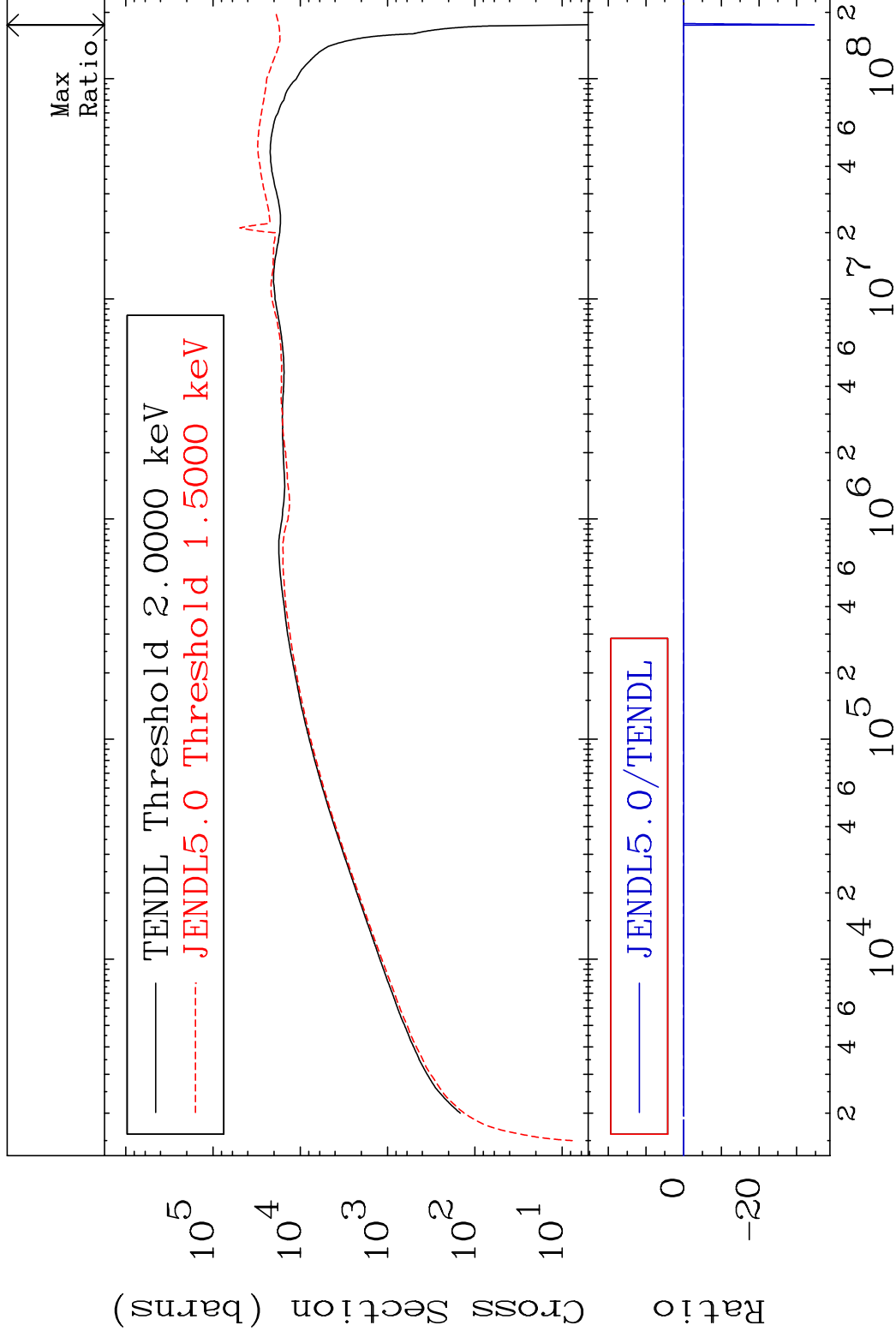


MAT 9446

Dpa elastic (mt2)

94-Pu-242

Cross Section -9999. To 9999. %

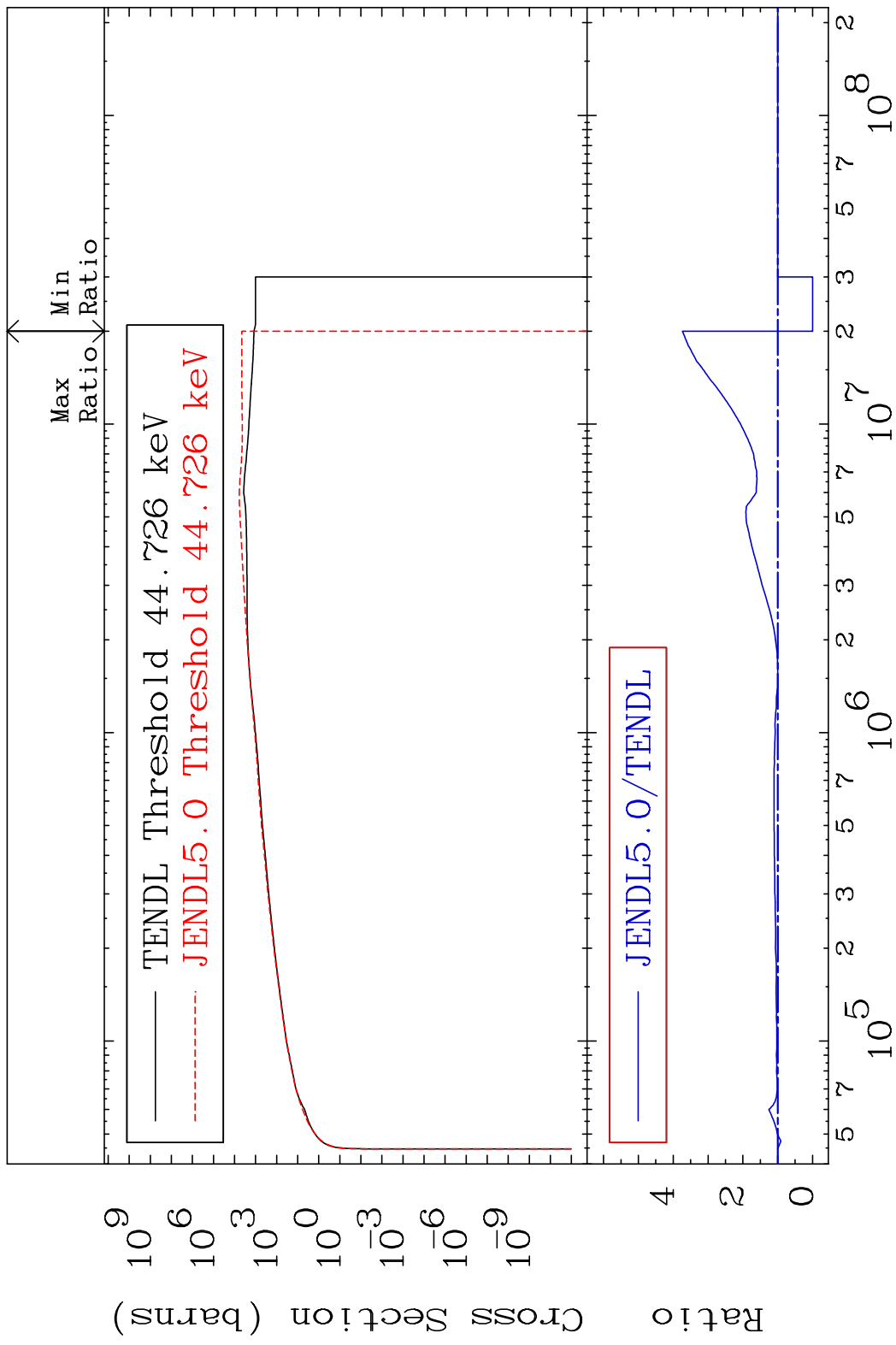


39

Incident Energy (eV)

94-Pu-242

MAT 9446 Dpa inelastic (mt51-91) 94-Pu-242
 Cross Section -100.0 To 273.8 %



40 Incident Energy (eV) 94-Pu-242

MAT 9446 Dpa disappearance (mt102 -120) 94-Pu-242
 Cross Section -100.0 To 9999. %

