

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

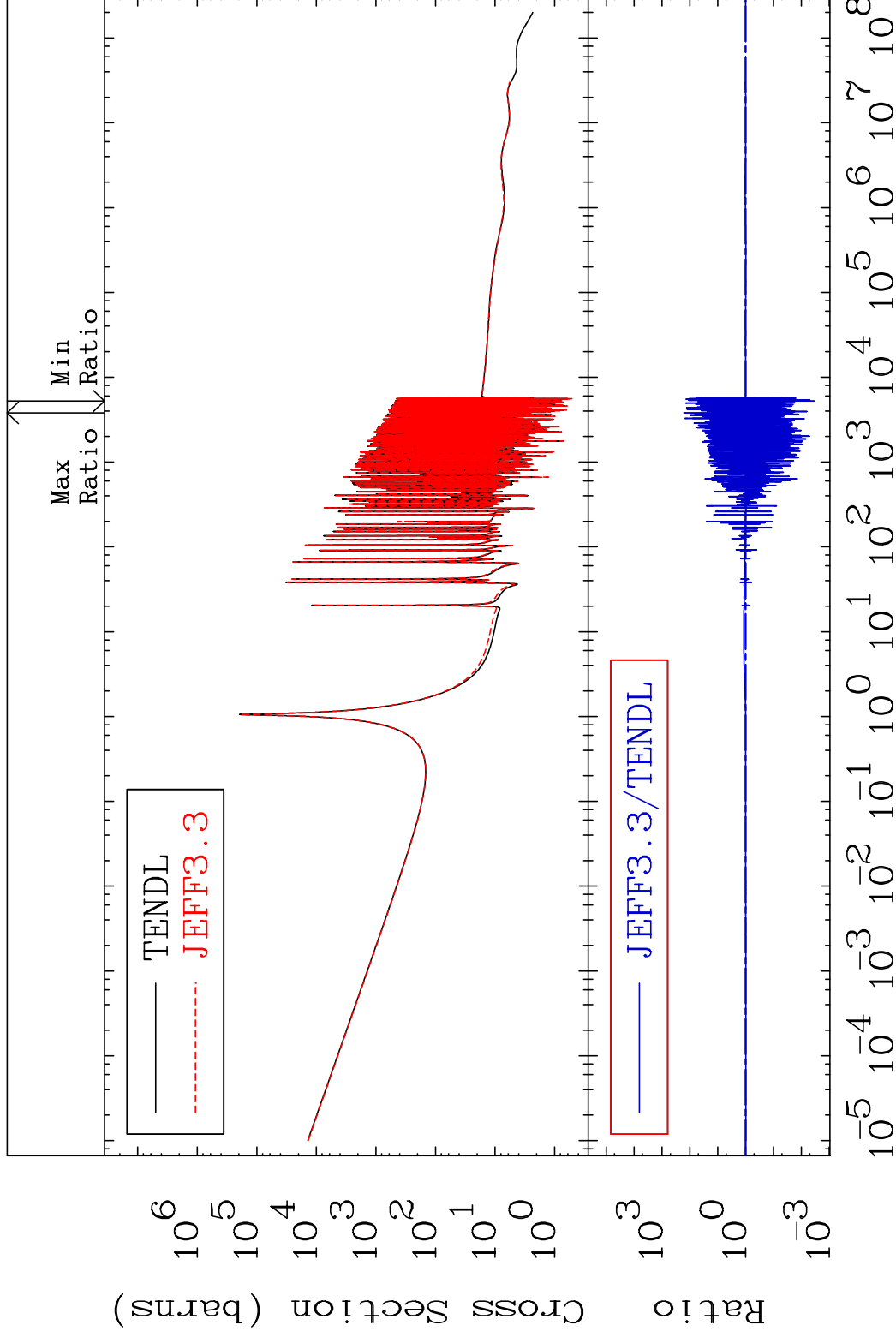
MAT 9440

Total

94-Pu-240

Cross Section

-99.65 To 9999. %



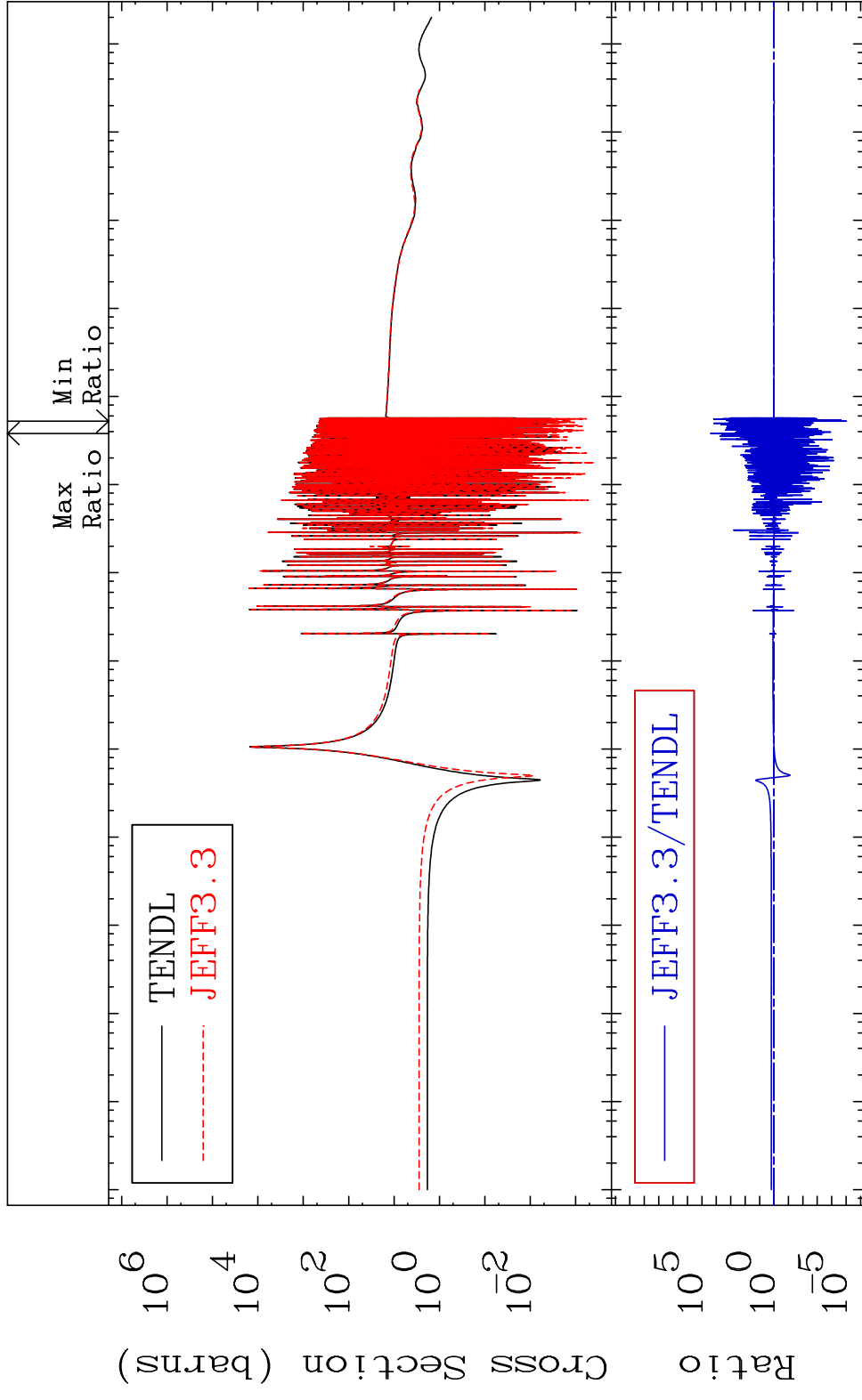
1

Incident Energy (eV)

94-Pu-240

MAT 9440

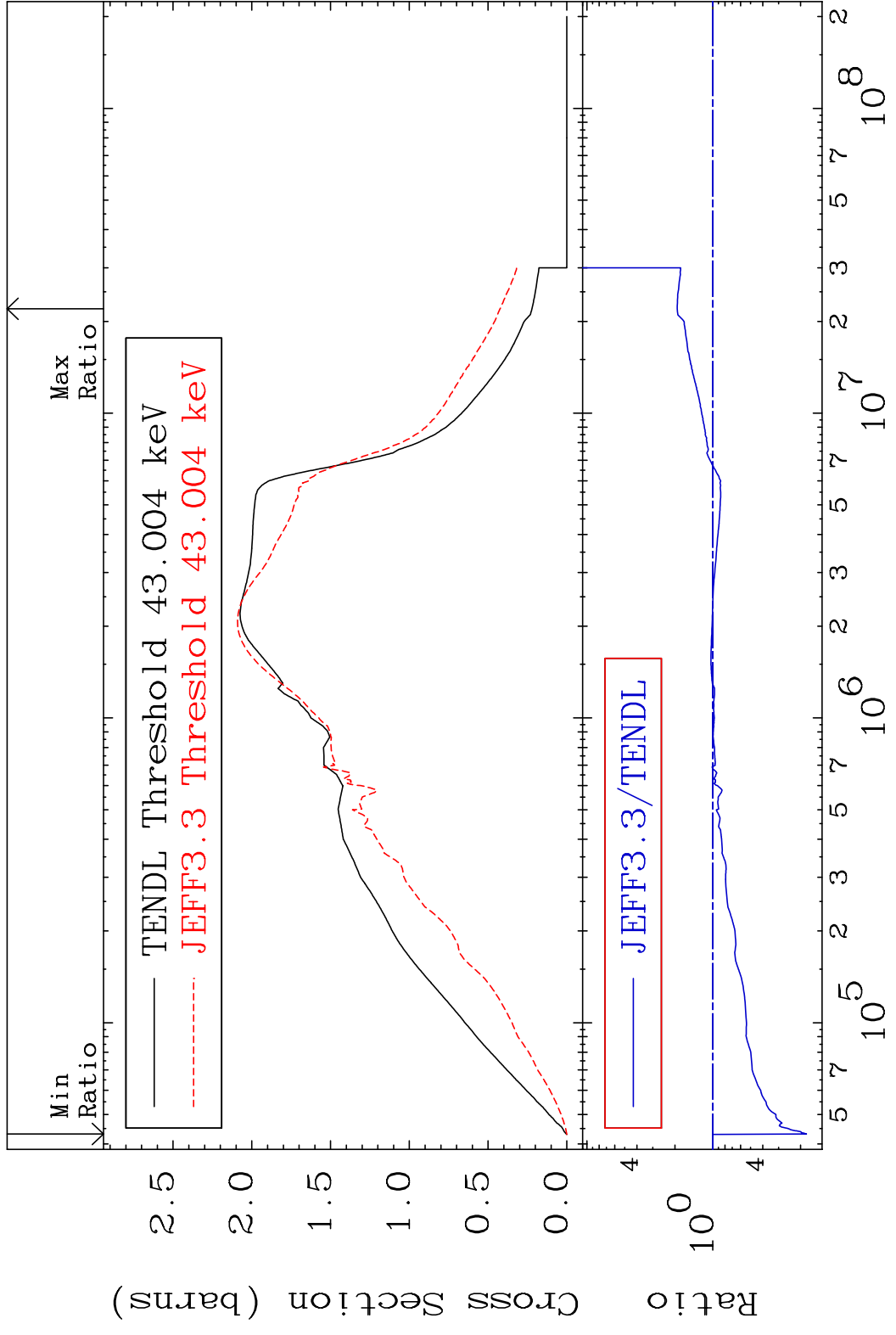
Elastic Cross Section -100.0 To 9999. %
94-Pu-240



2

Incident Energy (eV) 94-Pu-240

MAT 9440 Inelastic 94-Pu-240
 Cross Section -81.99 To 91.66 %



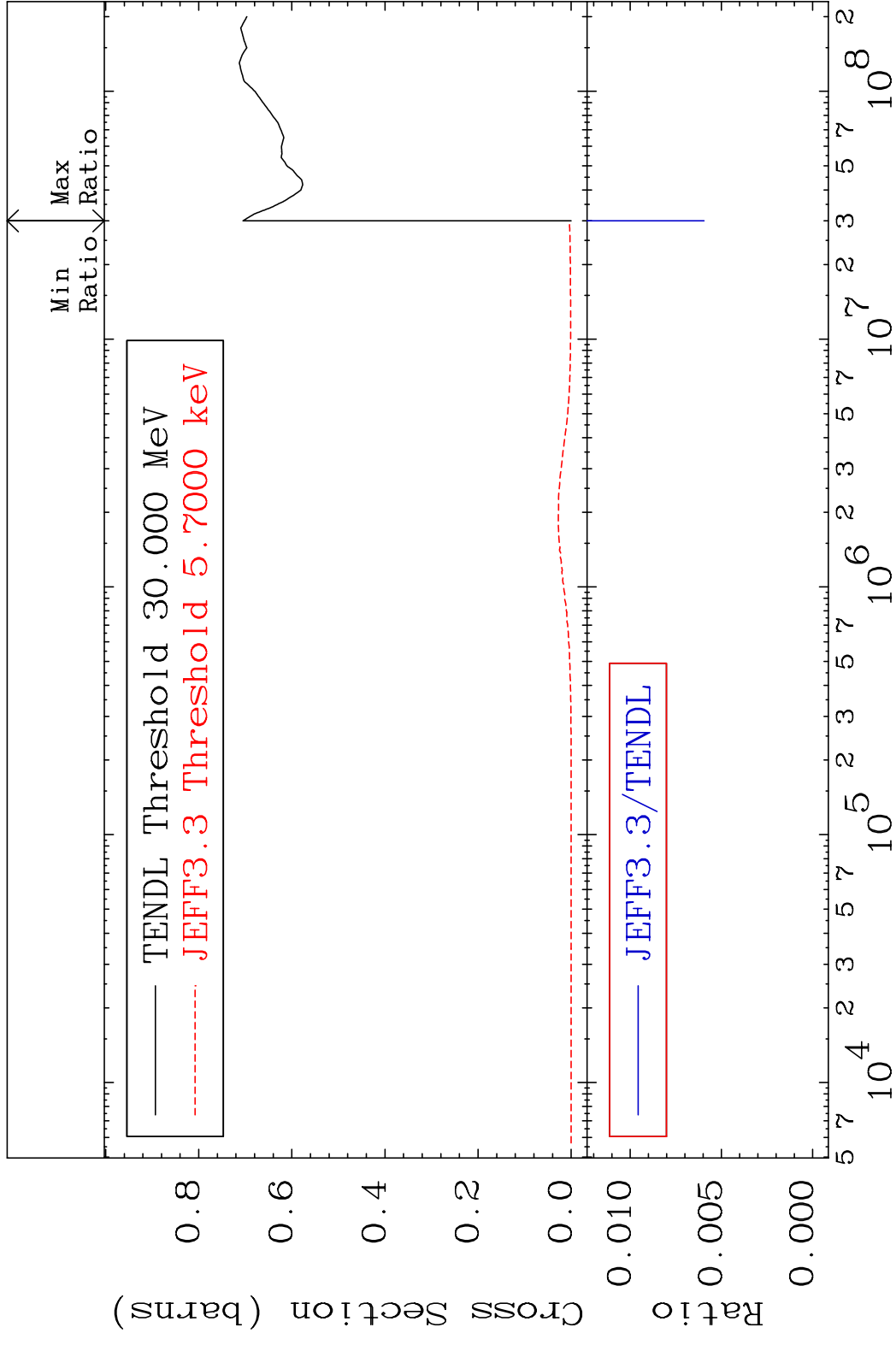
MAT 9440

(n, remainder)

94-Pu-240

Cross Section

-99.41 To -99.41%



4

Incident Energy (eV)

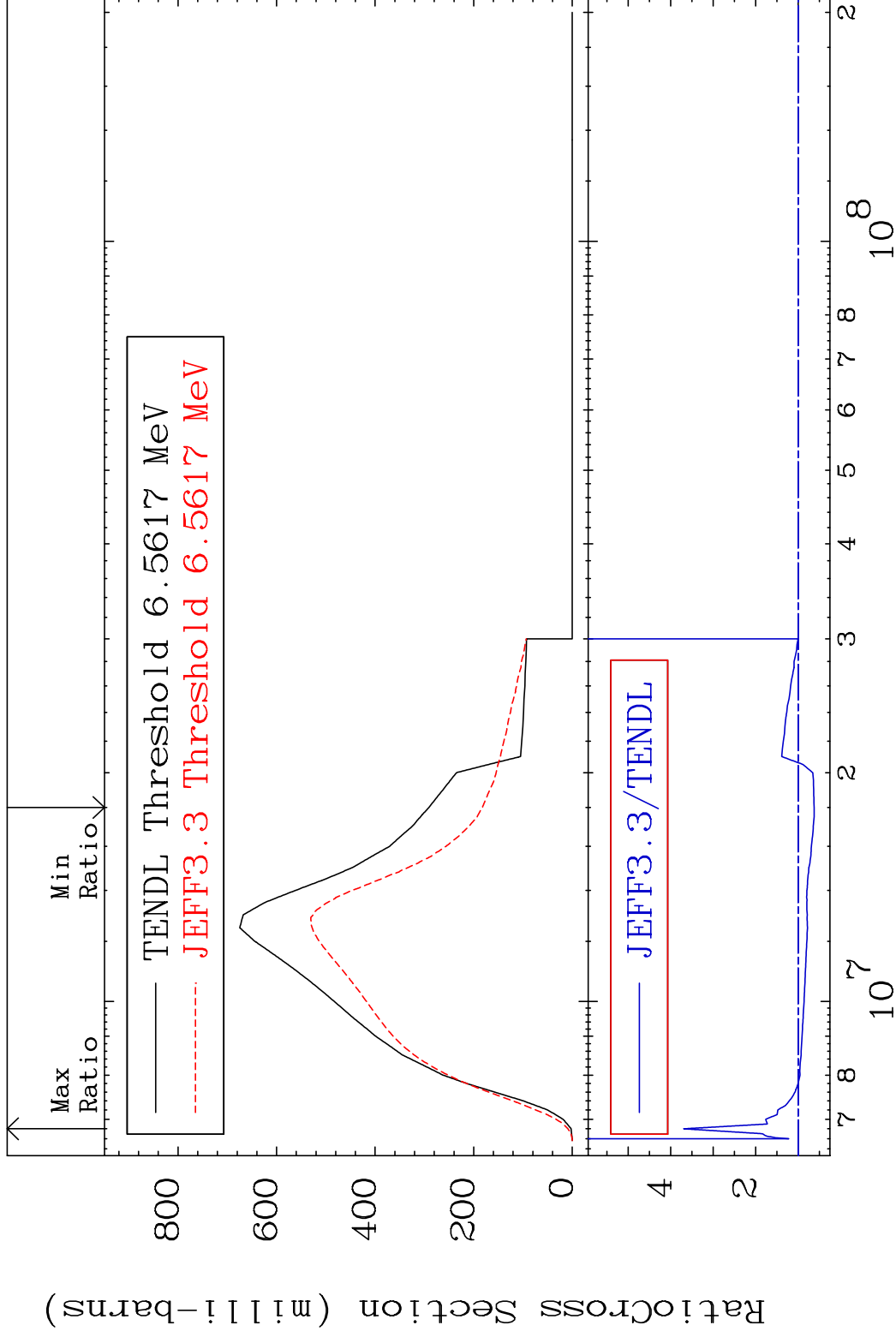
94-Pu-240

MAT 9440

(n,2n)

94-Pu-240

Cross Section -37.30 To 269.4 %

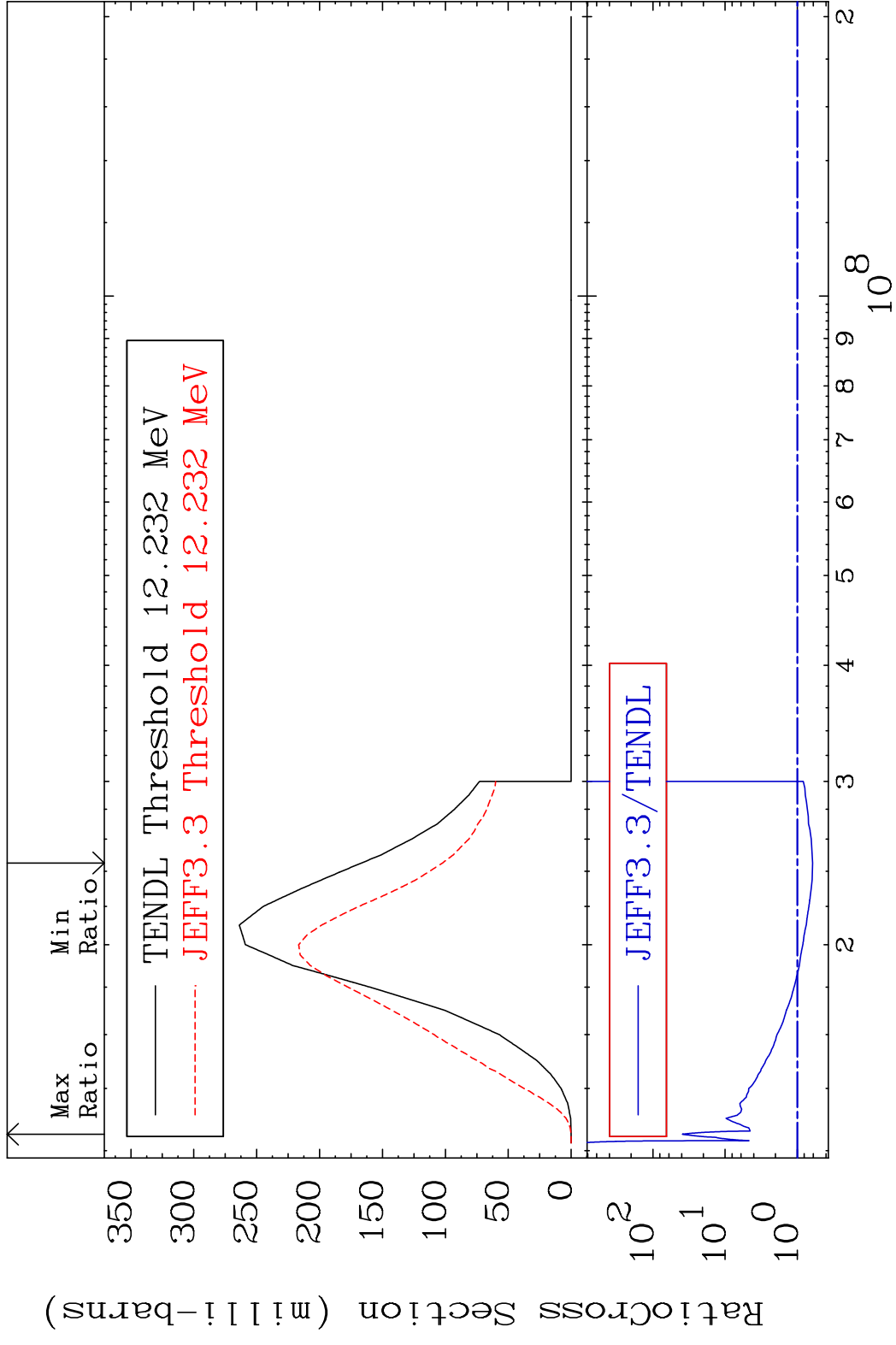


5

Incident Energy (eV)

94-Pu-240

MAT 9440 (n,3n) 94-Pu-240
 Cross Section -38.58 To 3810. %

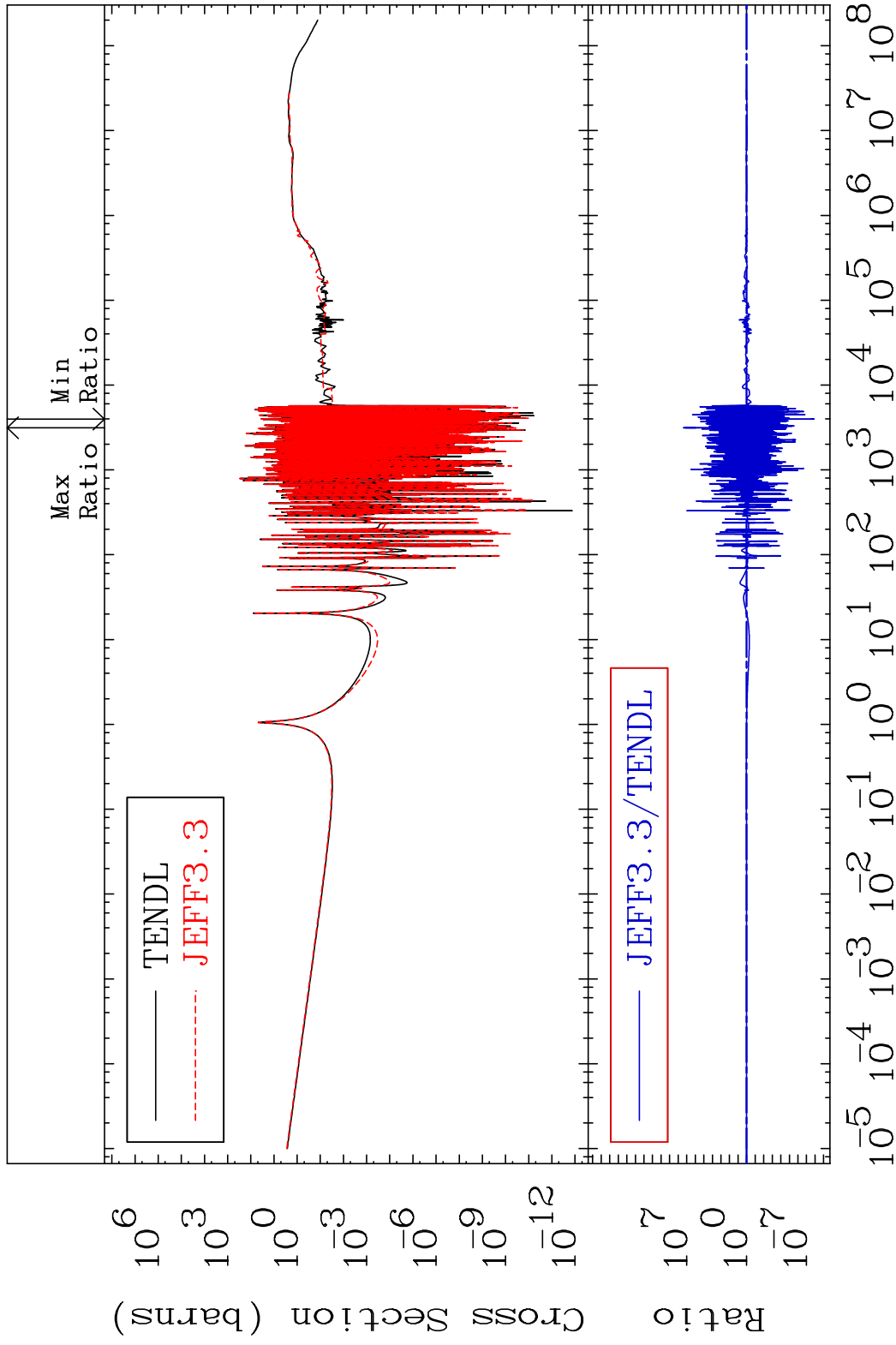


MAT 9440

Fission

94-Pu-240

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

94-Pu-240

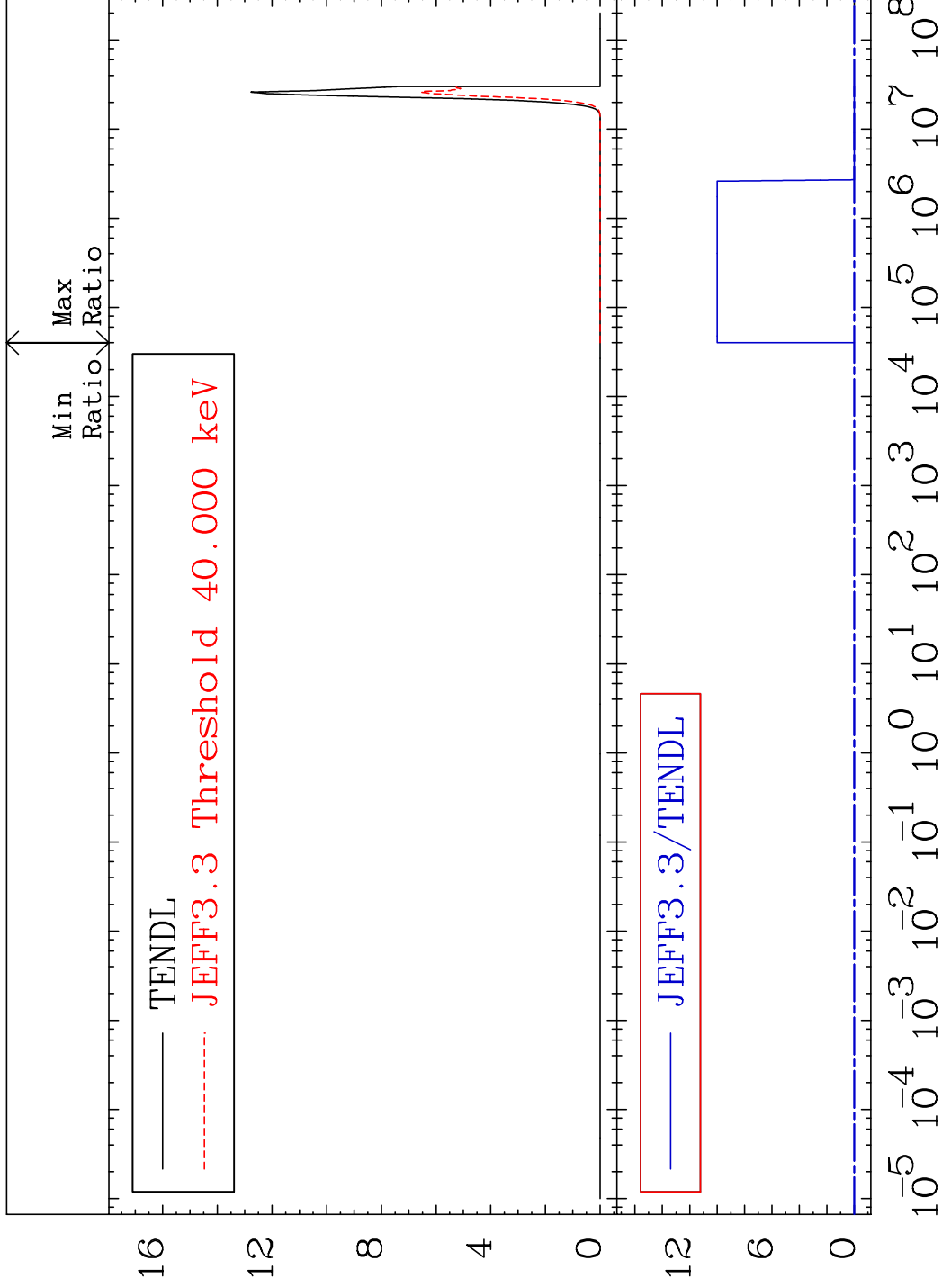
MAT 9440

(n, n') α

94-Pu-240

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)

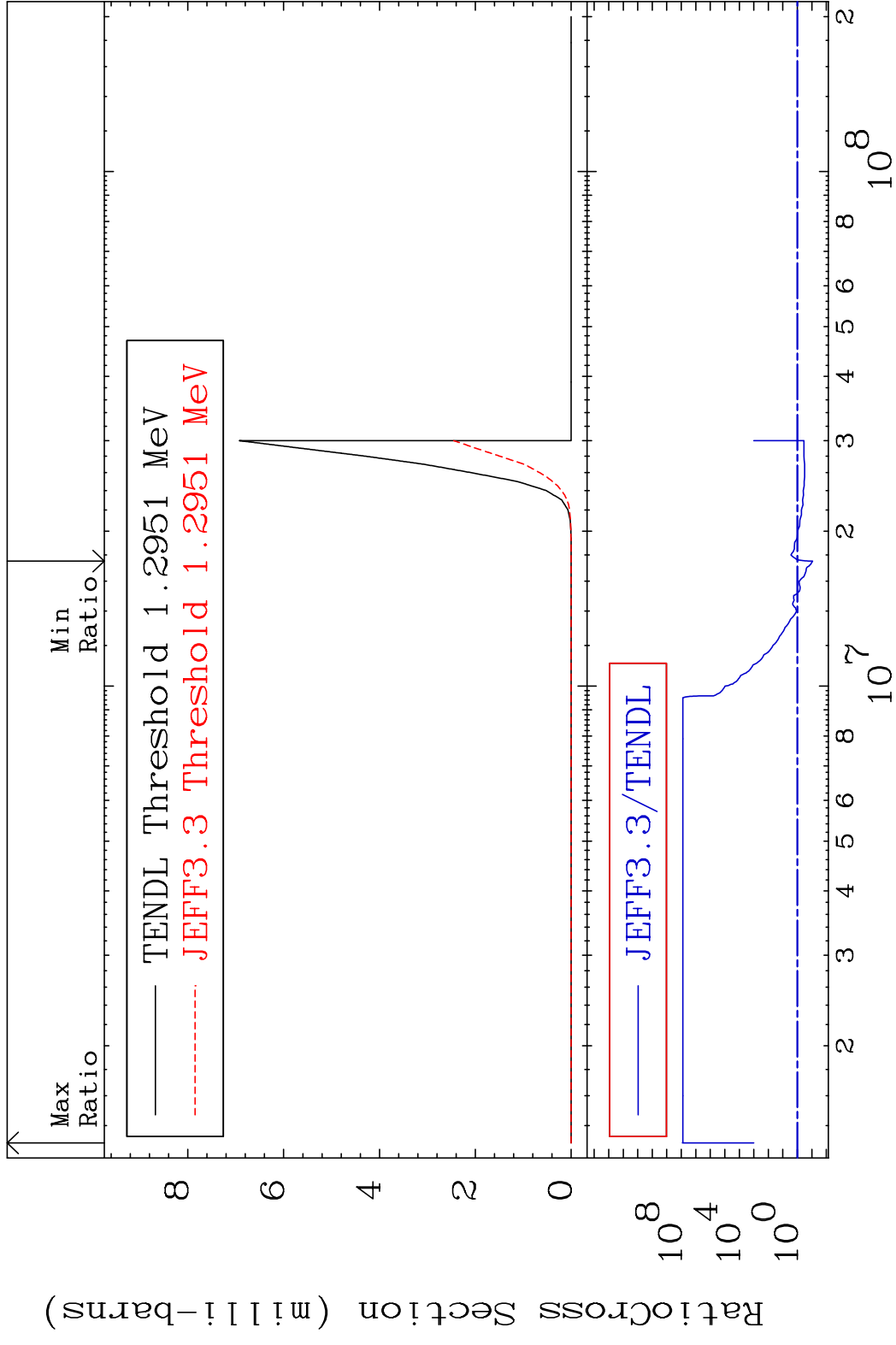


8

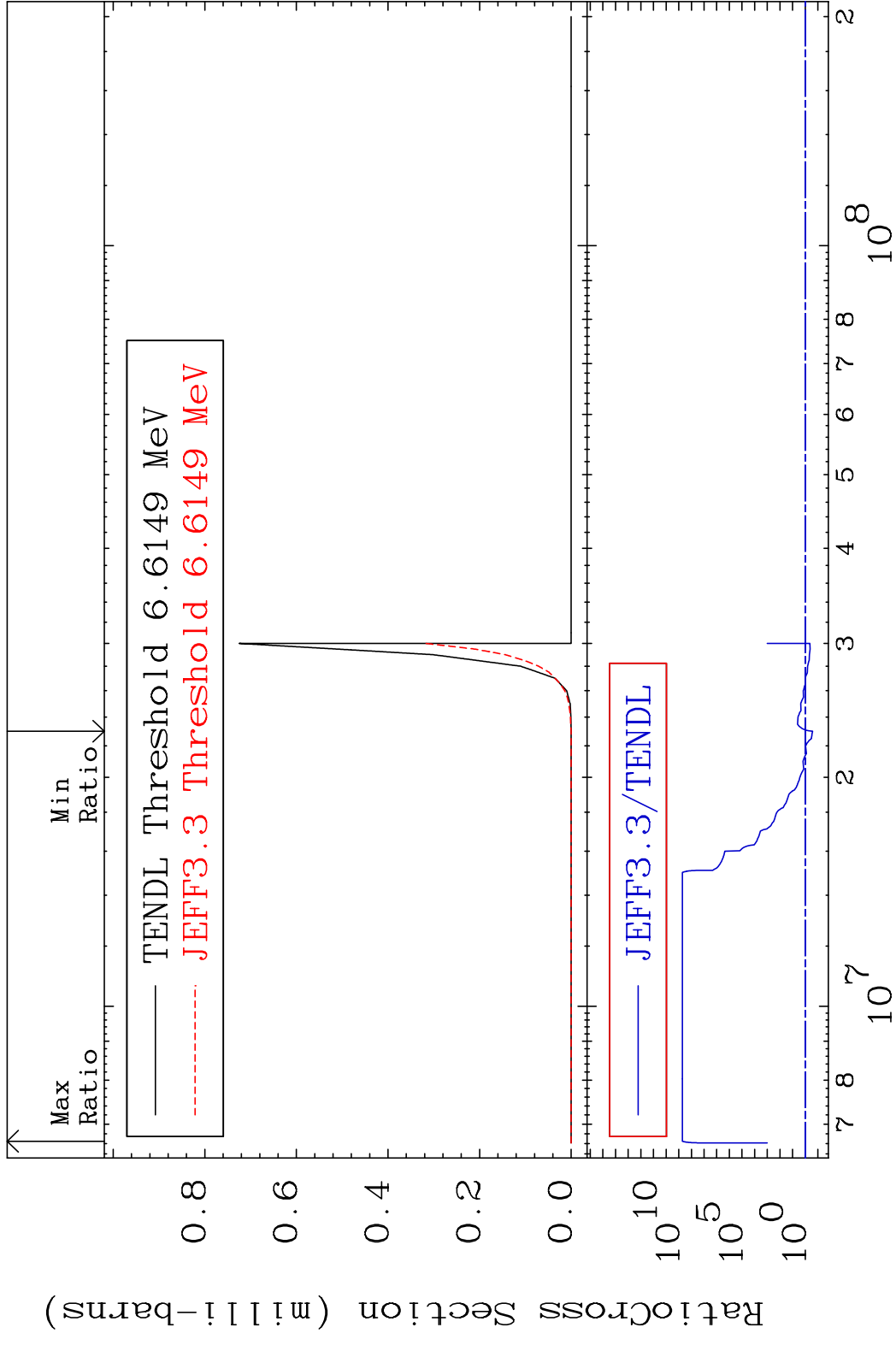
Incident Energy (eV)

94-Pu-240

MAT 9440 (n,2n) α 94-Pu-240
 Cross Section -91.04 To 9999. %

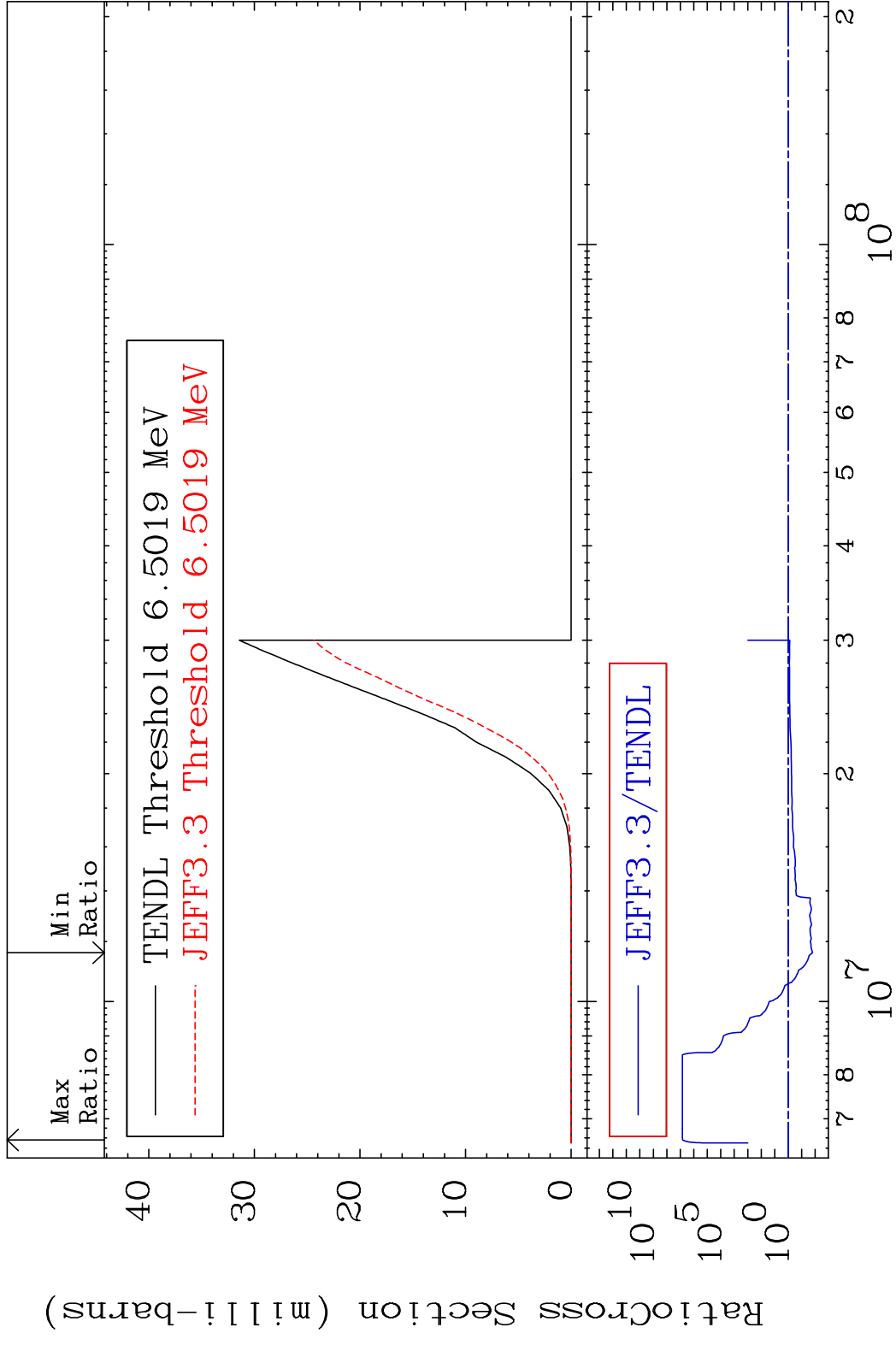


MAT 9440 (n,3n) α 94-Pu-240
 Cross Section -73.59 To 9999. %



10 Incident Energy (eV) 94-Pu-240

MAT 9440 (n, n') p 94-Pu-240
 Cross Section -98.44 To 9999. %

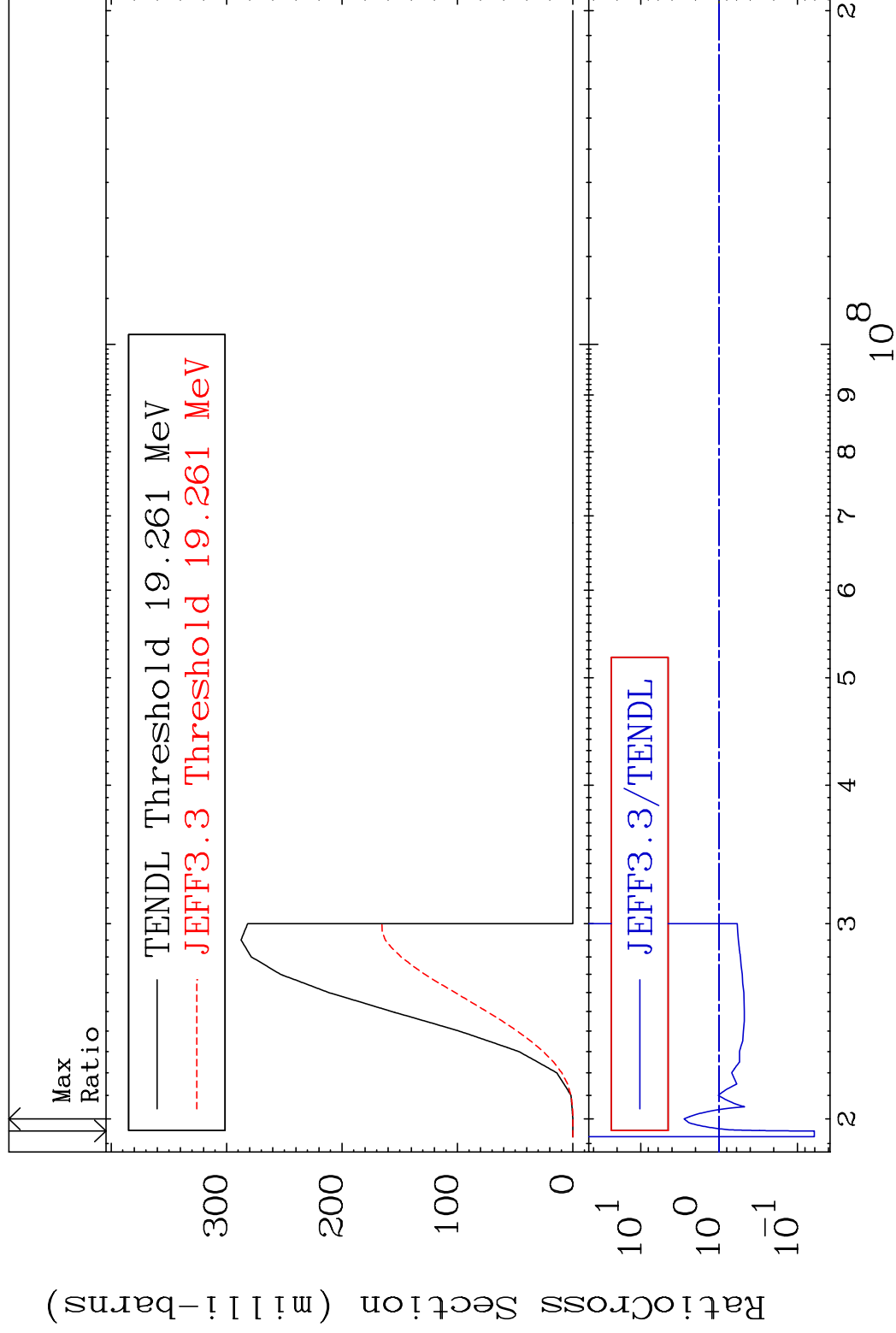


MAT 9440

(n, 4n)

94-Pu-240

Cross Section -93.91 To 179.8 %

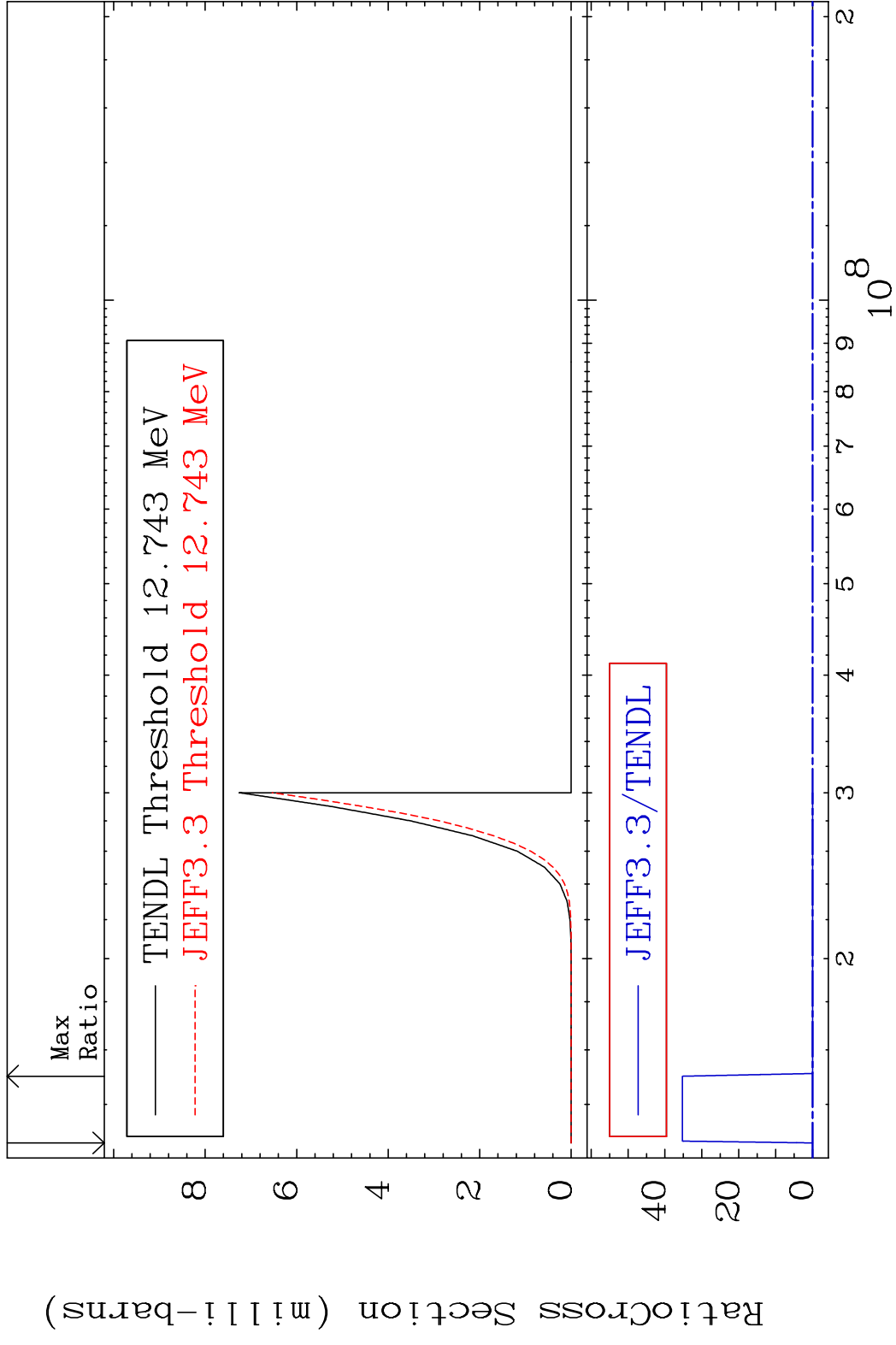


12

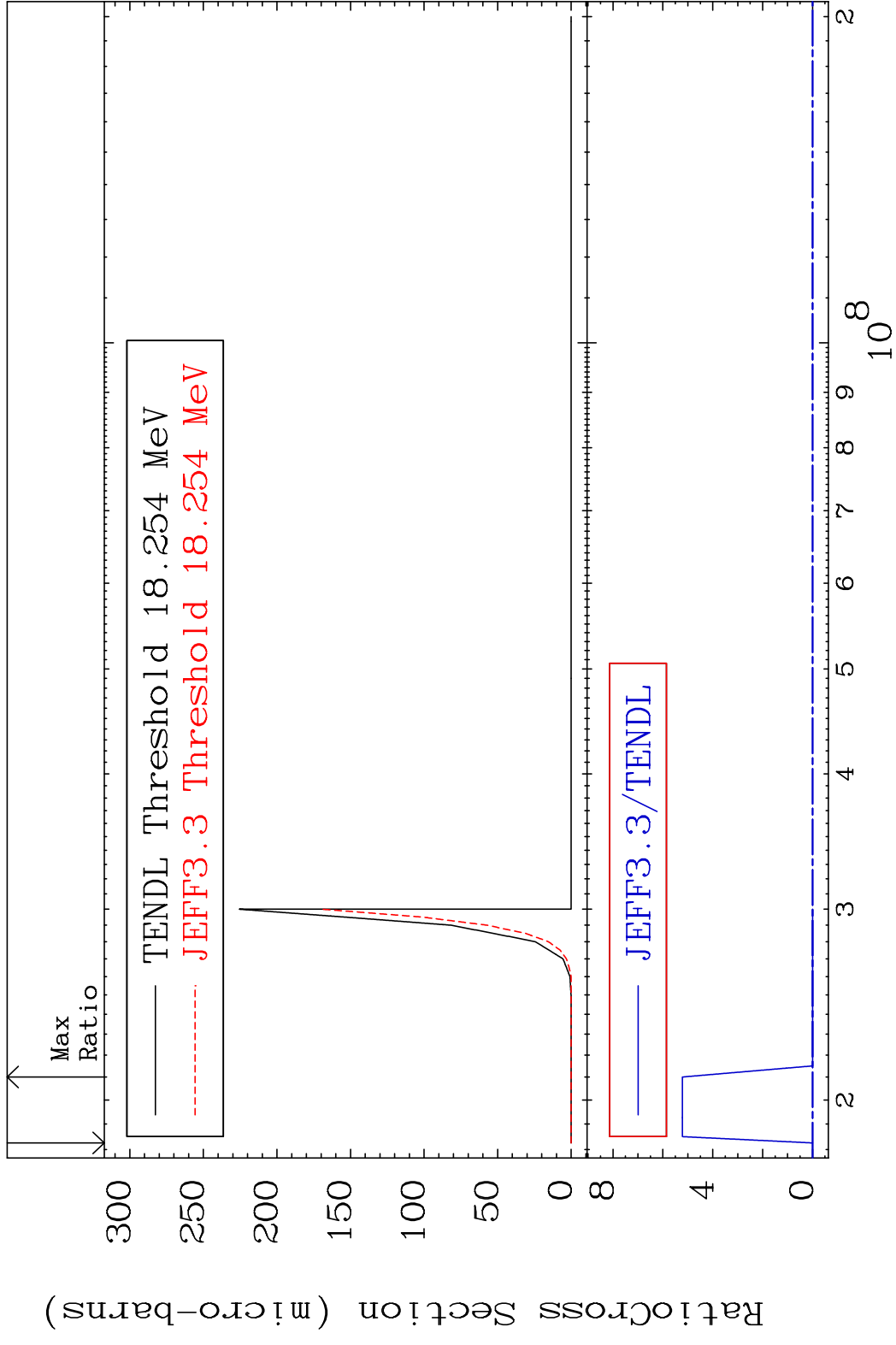
Incident Energy (eV)

94-Pu-240

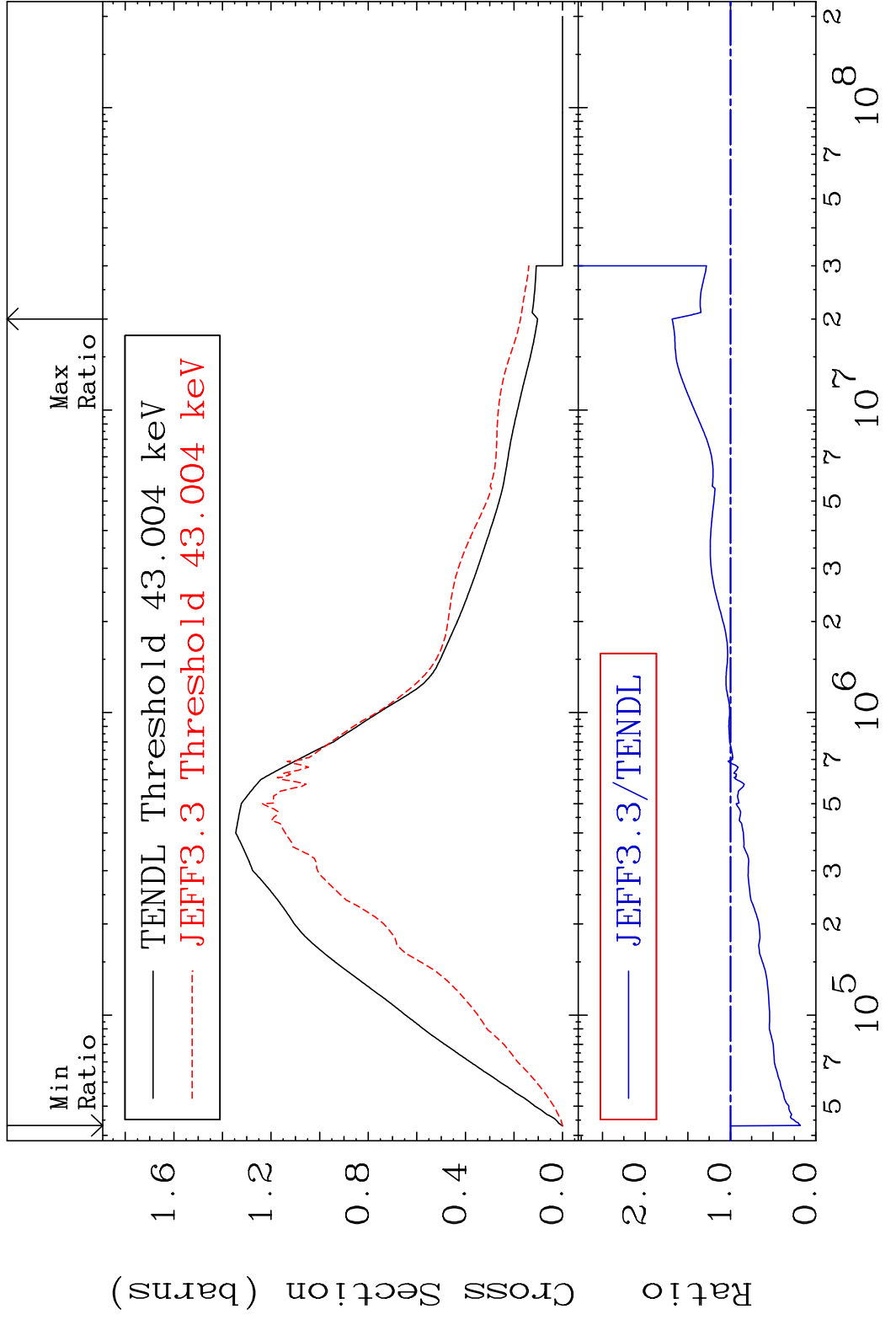
MAT 9440 (n,2n) p 94-Pu-240
 Cross Section -100.0 To 9999. %



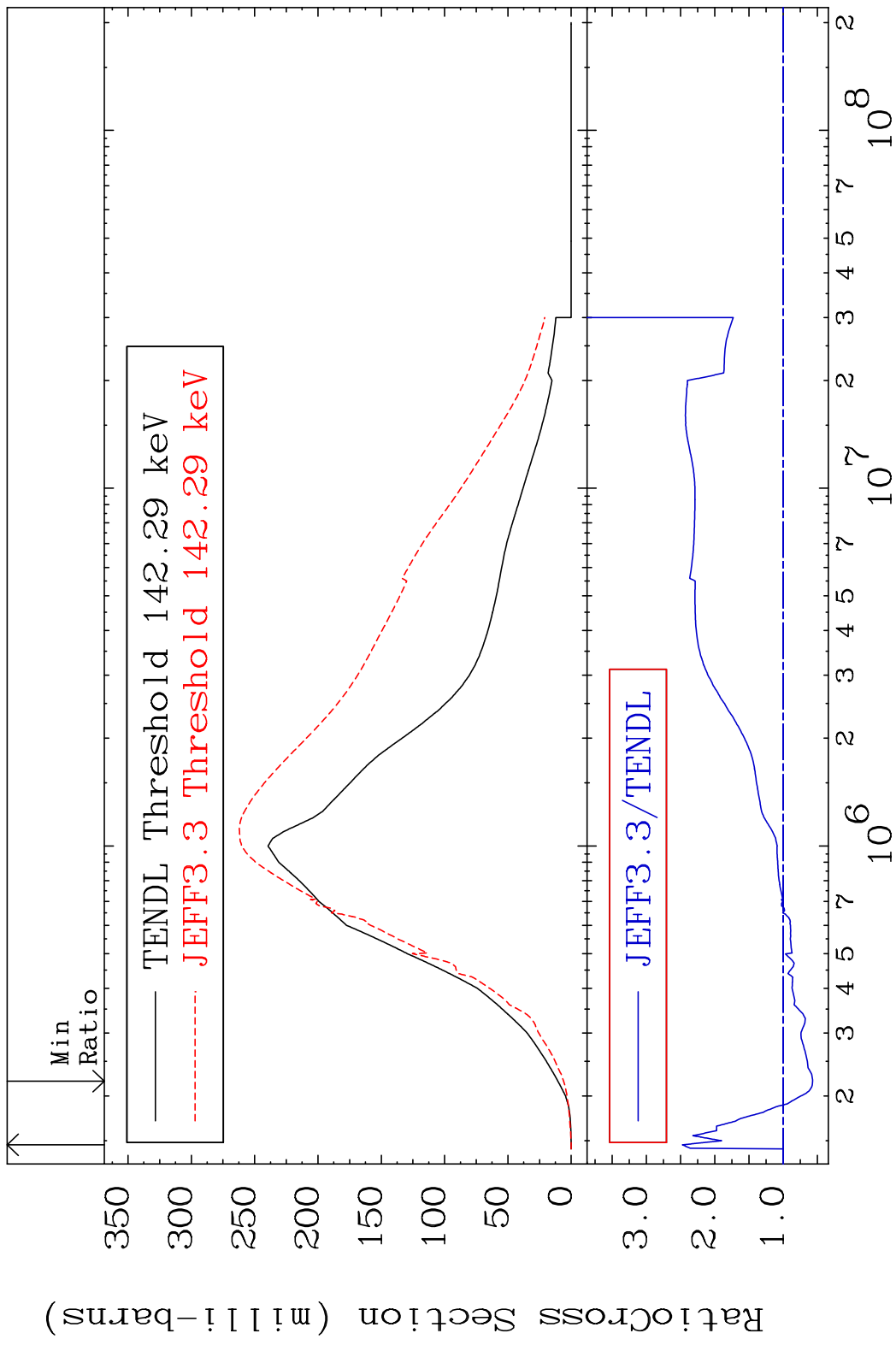
MAT 9440 (n,3n) p 94-Pu-240
 Cross Section -100.0 To 9999. %



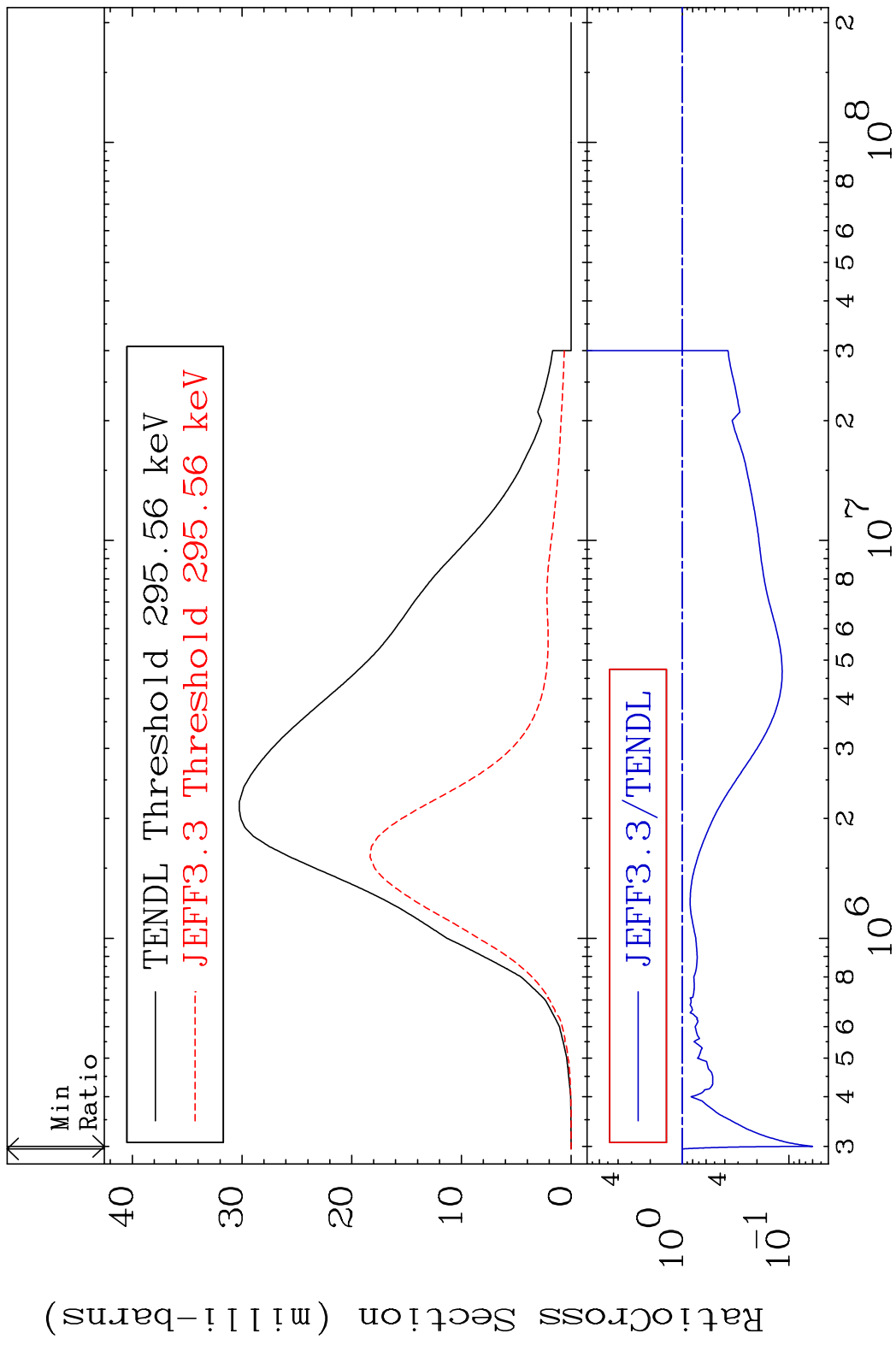
MAT 9440 MT= 51 (n, n') Level 94-Pu-240
 Cross Section -81.99 To 68.45 %



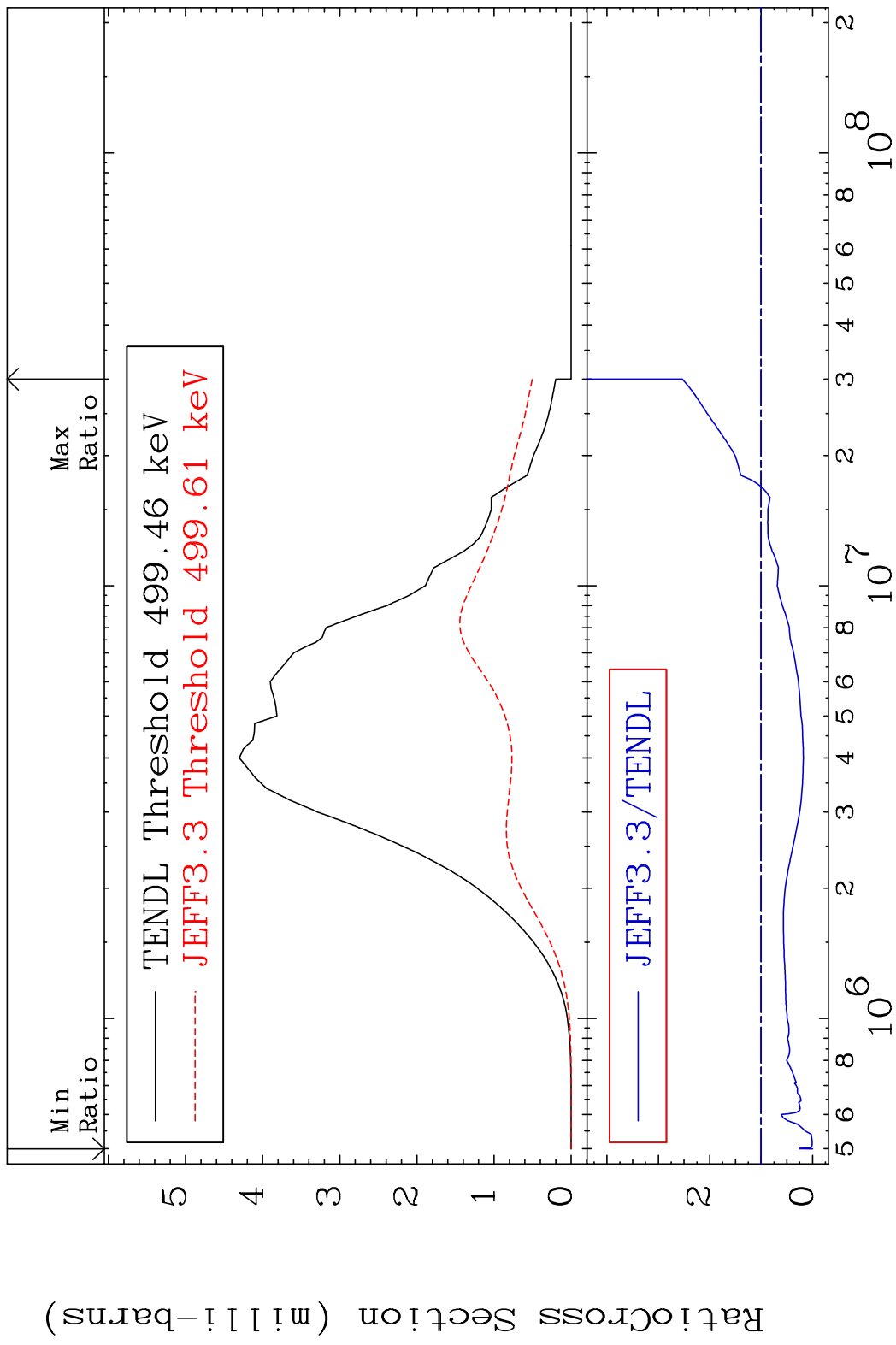
MAT 9440 MT= 52 (n, n') Level 94-Pu-240
 Cross Section -43.05 To 147.3 %



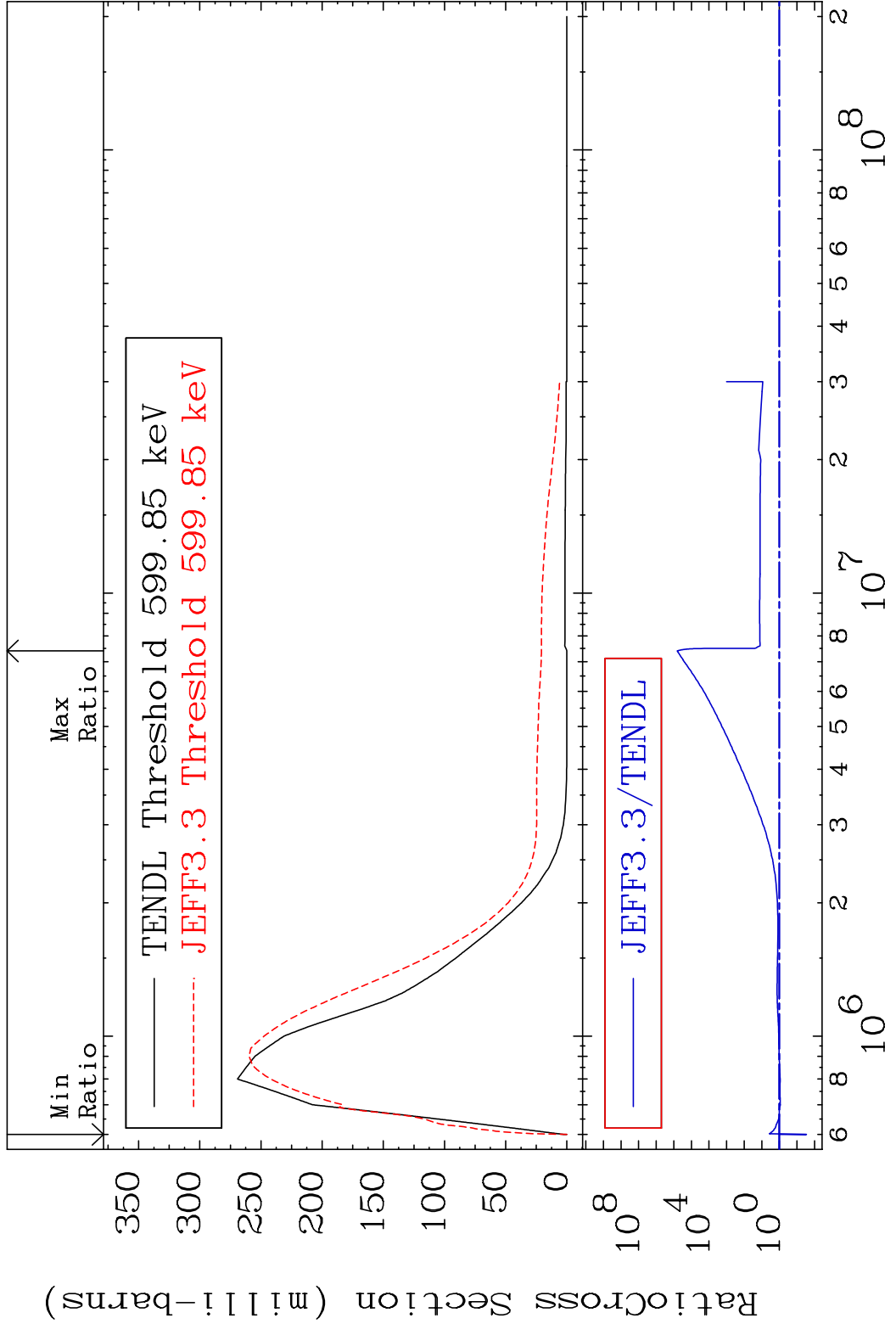
MAT 9440 MT= 53 (n, n') Level 94-Pu-240
 Cross Section -93.99 To 0.000 %



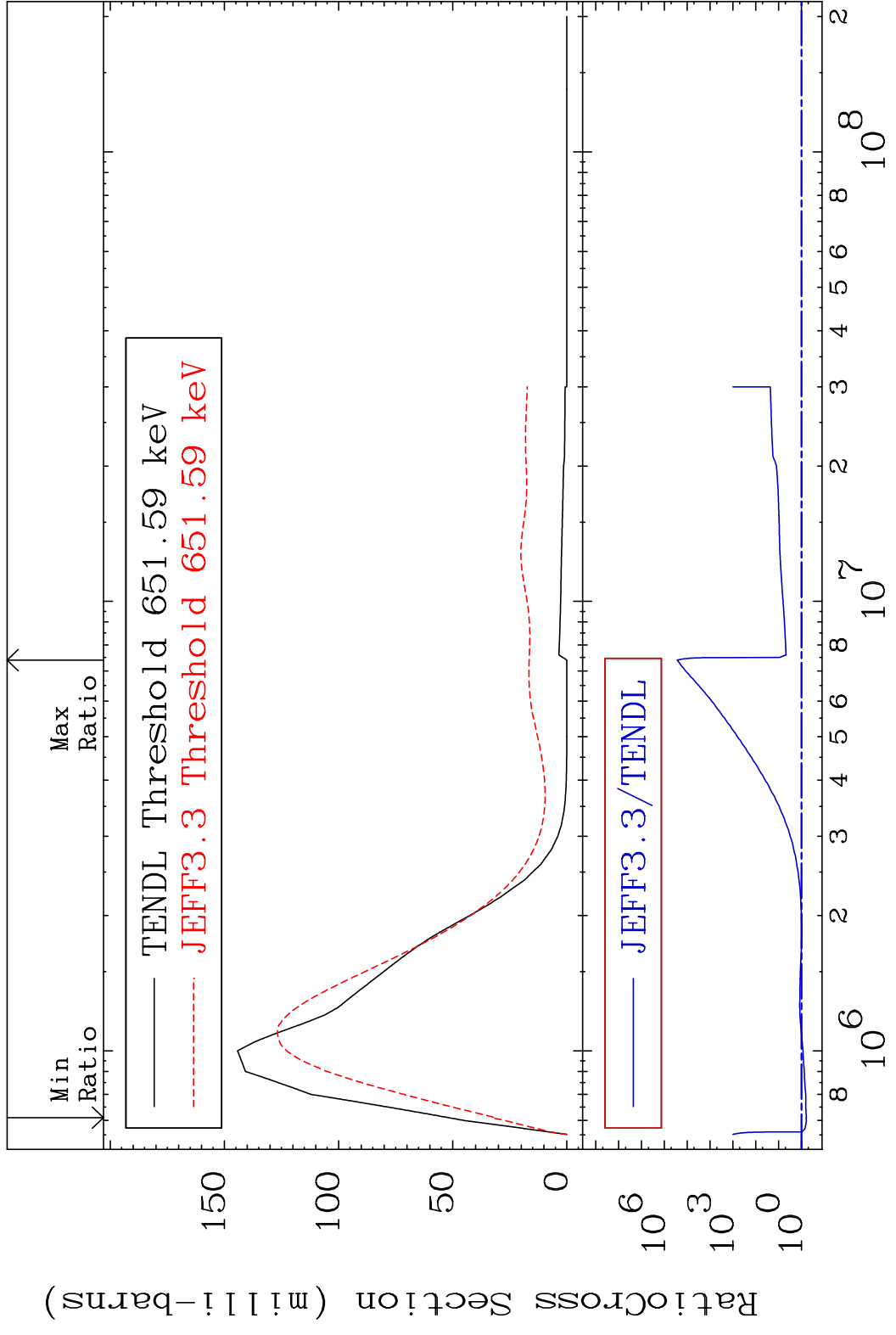
MAT 9440 MT= 54 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 153.3 %



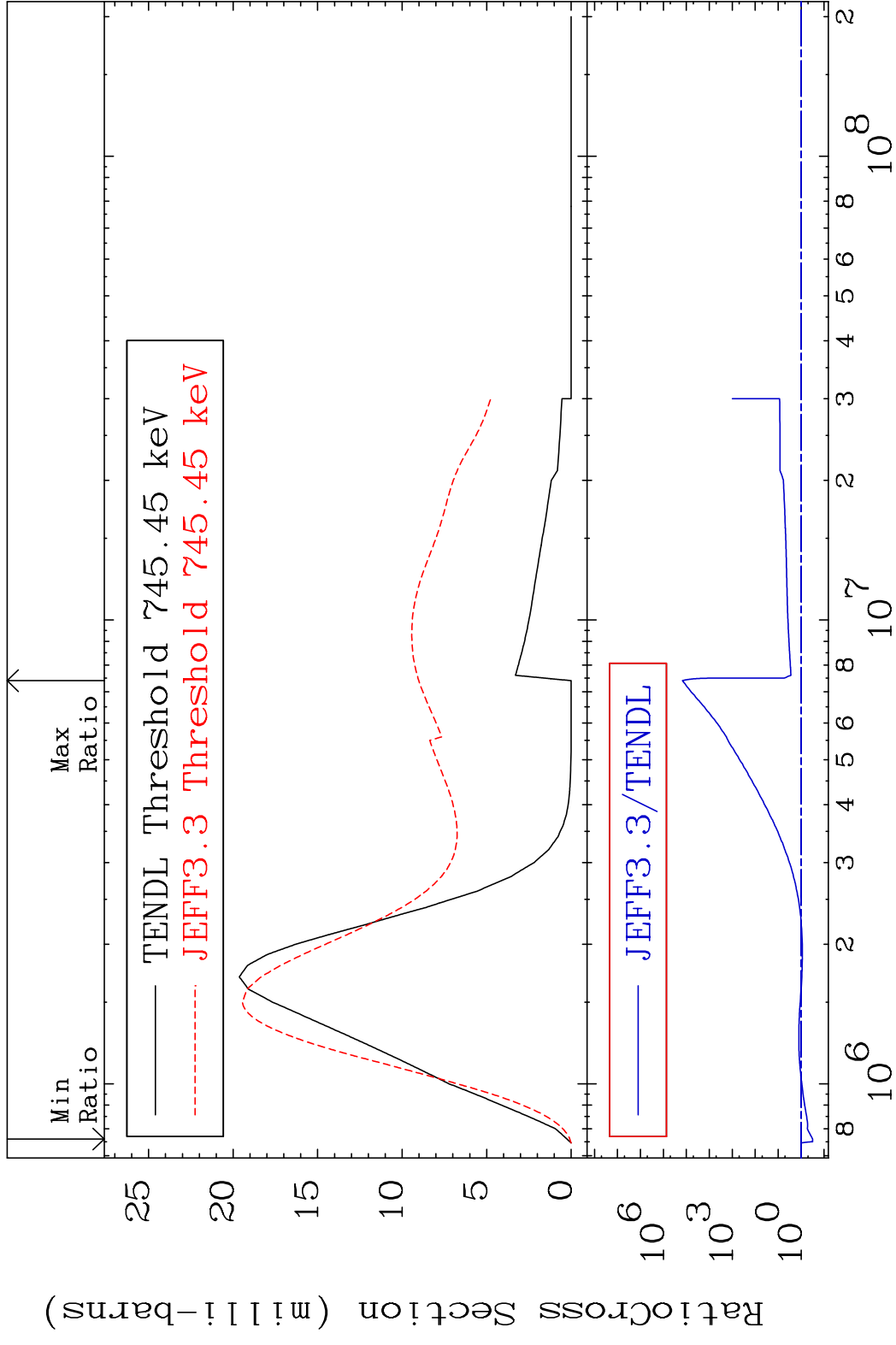
MAT 9440 MT= 55 (n, n') Level 94-Pu-240
 Cross Section -97.09 To 9999. %



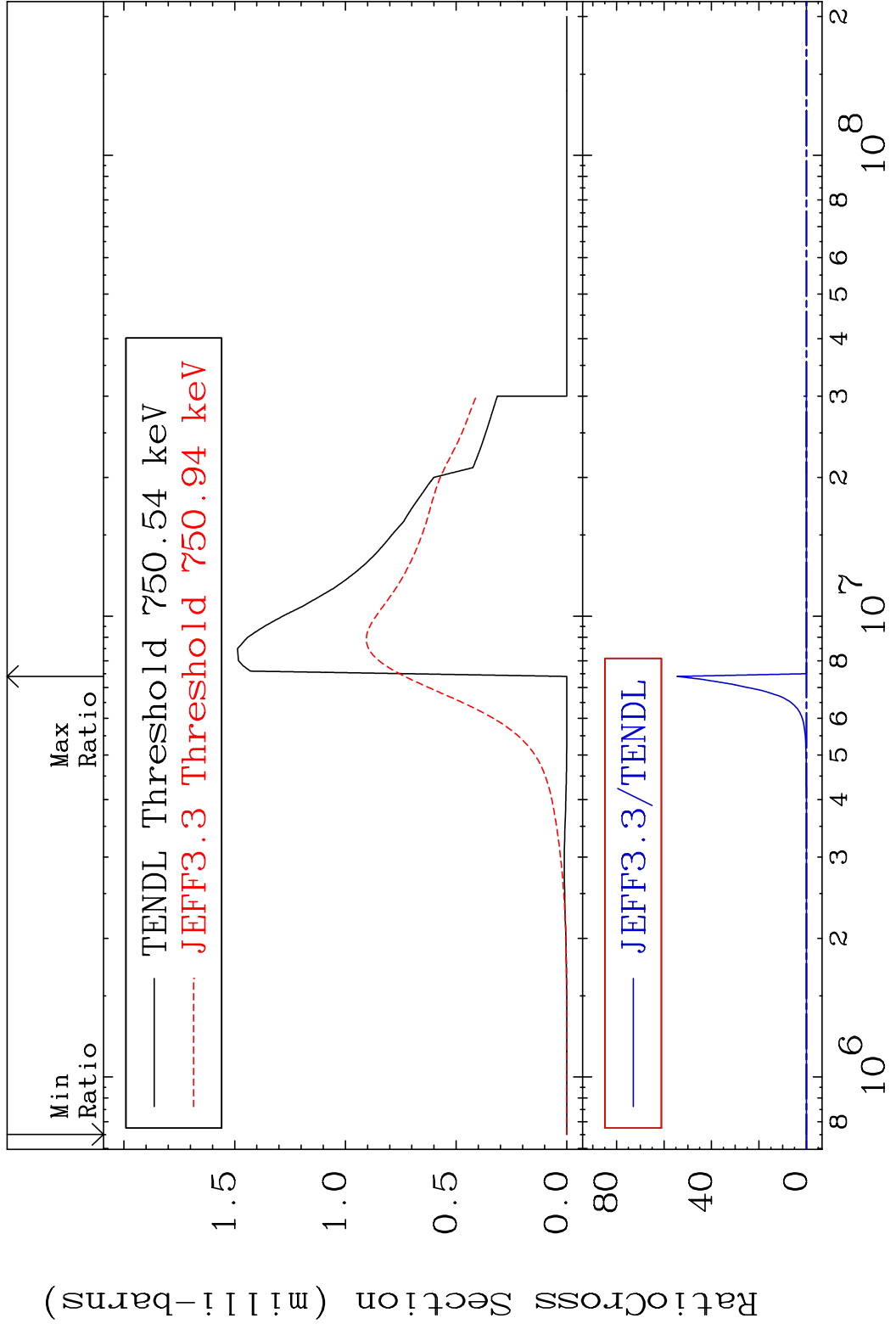
MAT 9440 MT= 56 (n, n') Level 94-Pu-240
 Cross Section -39.67 To 9999. %



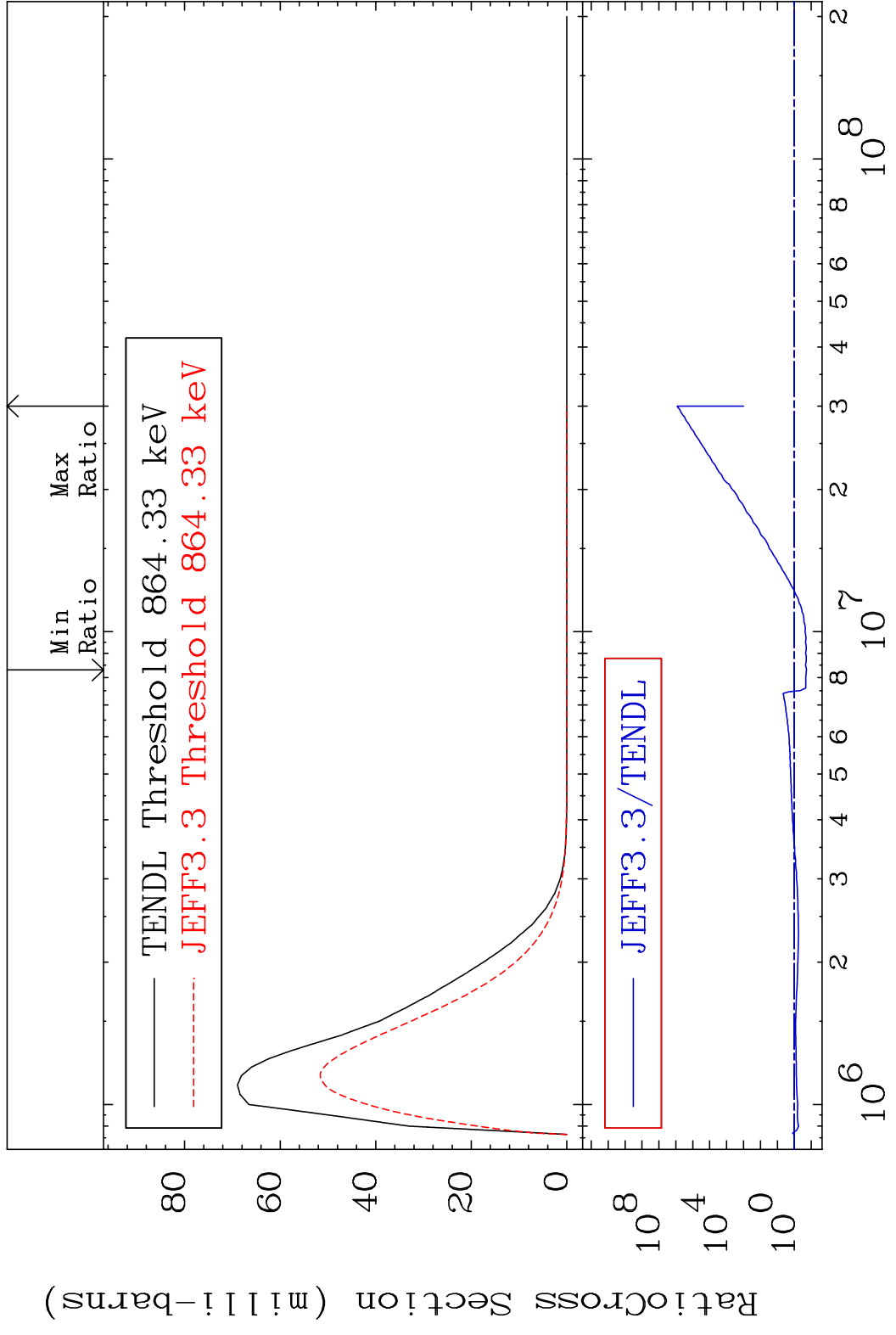
MAT 9440 MT= 57 (n, n') Level 94-Pu-240
 Cross Section -68.21 To 9999. %



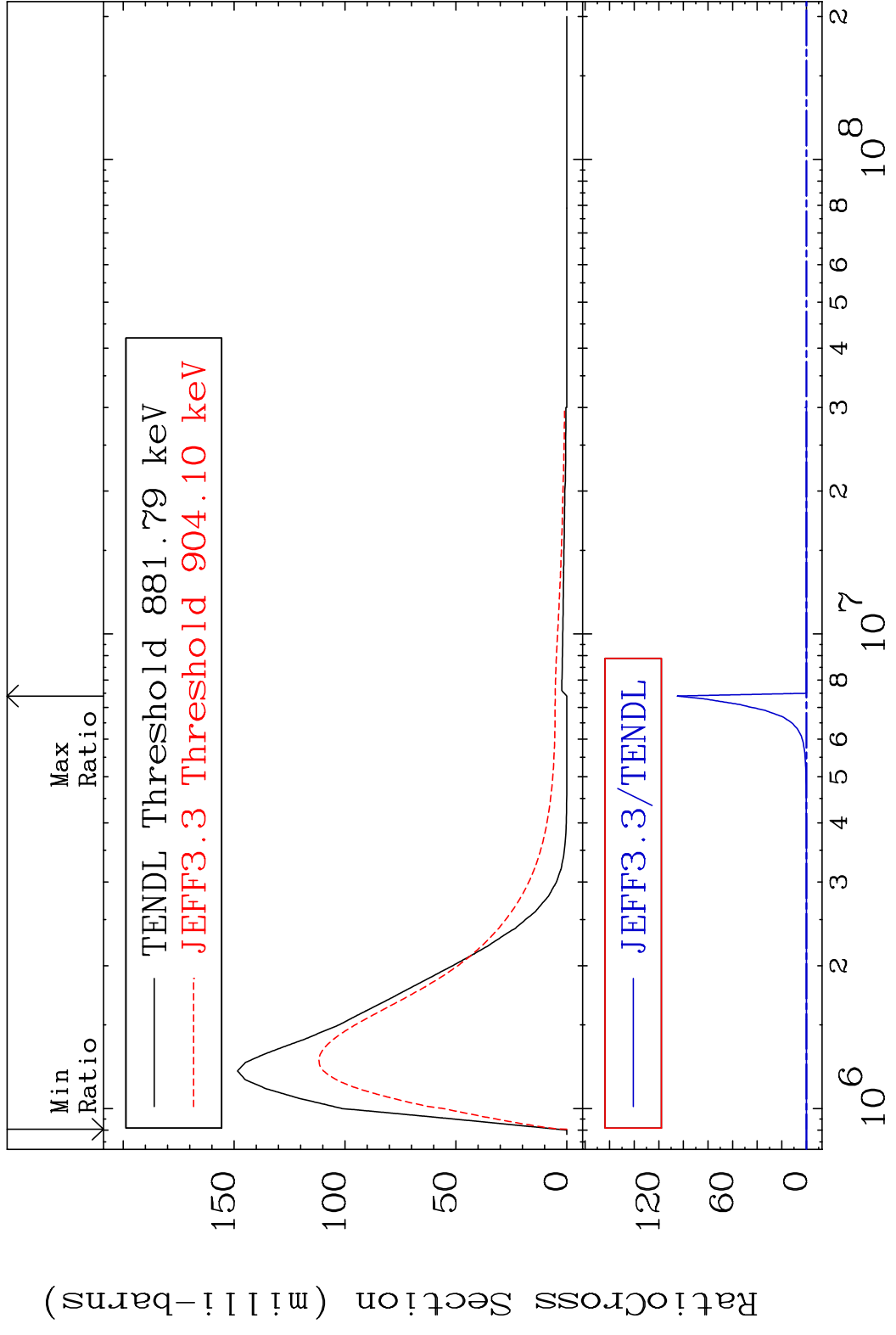
MAT 9440 MT= 58 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 MT= 59 (n, n') Level 94-Pu-240
 Cross Section -80.69 To 9999. %

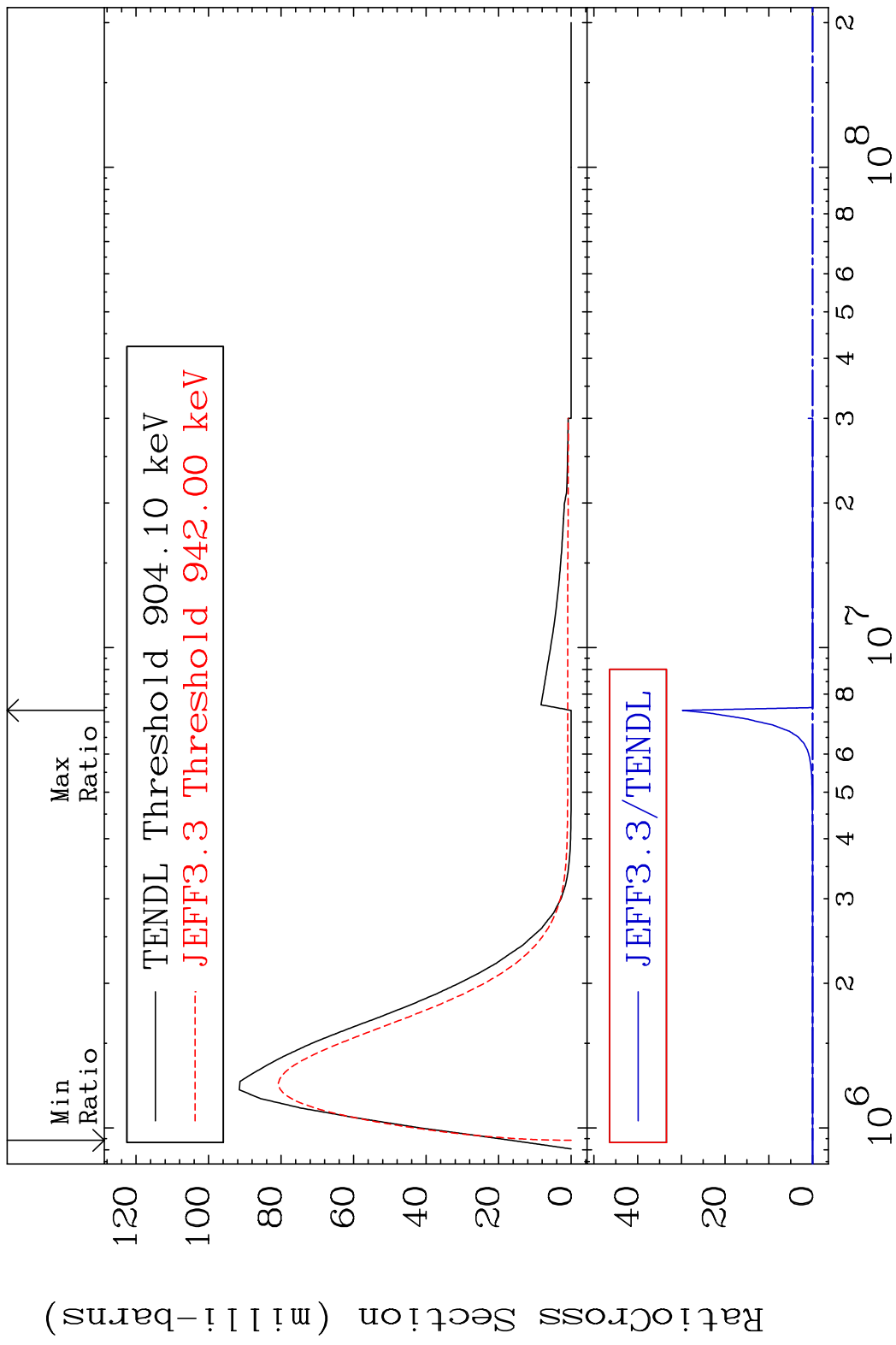


MAT 9440 MT= 60 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



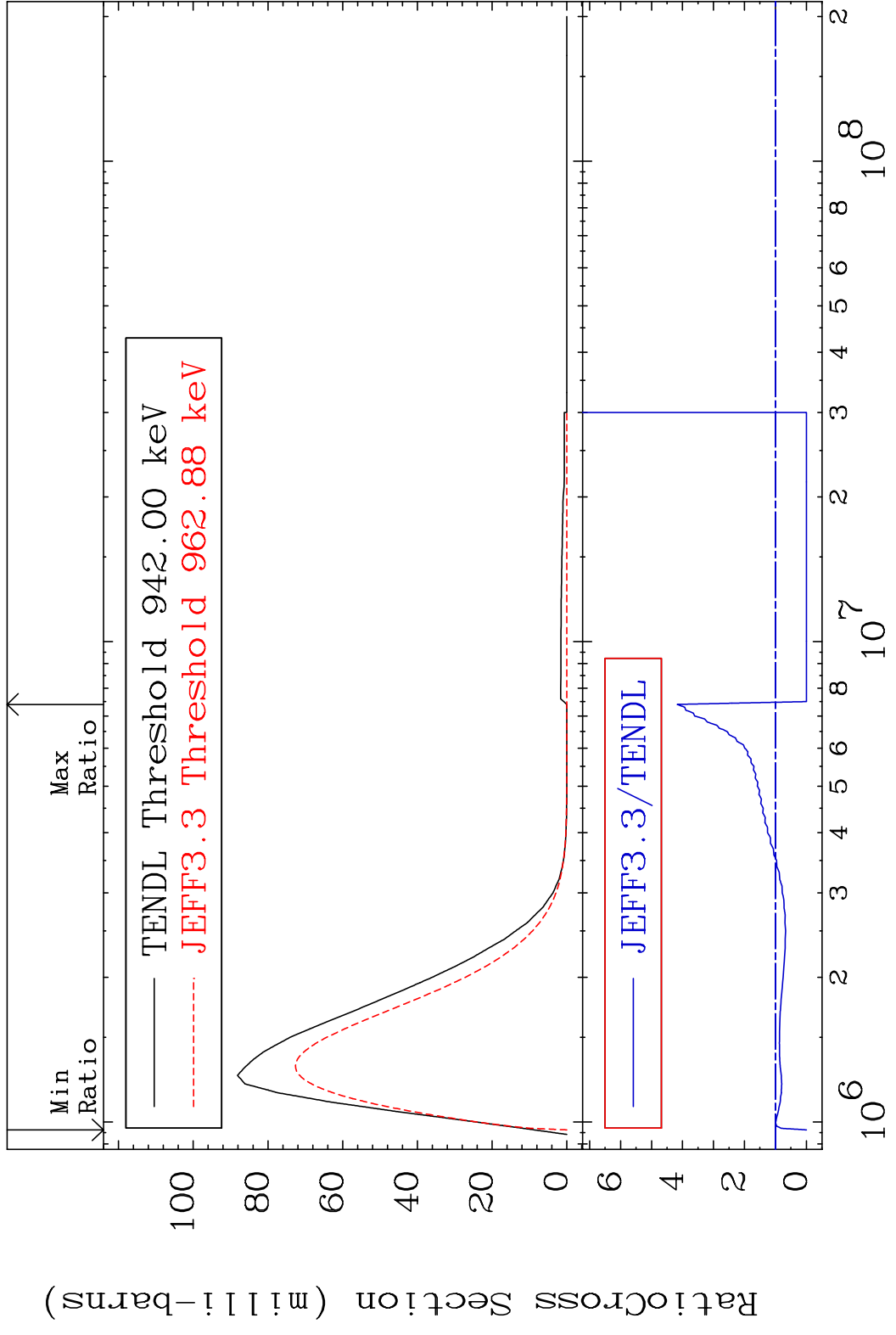
24 Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 61 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

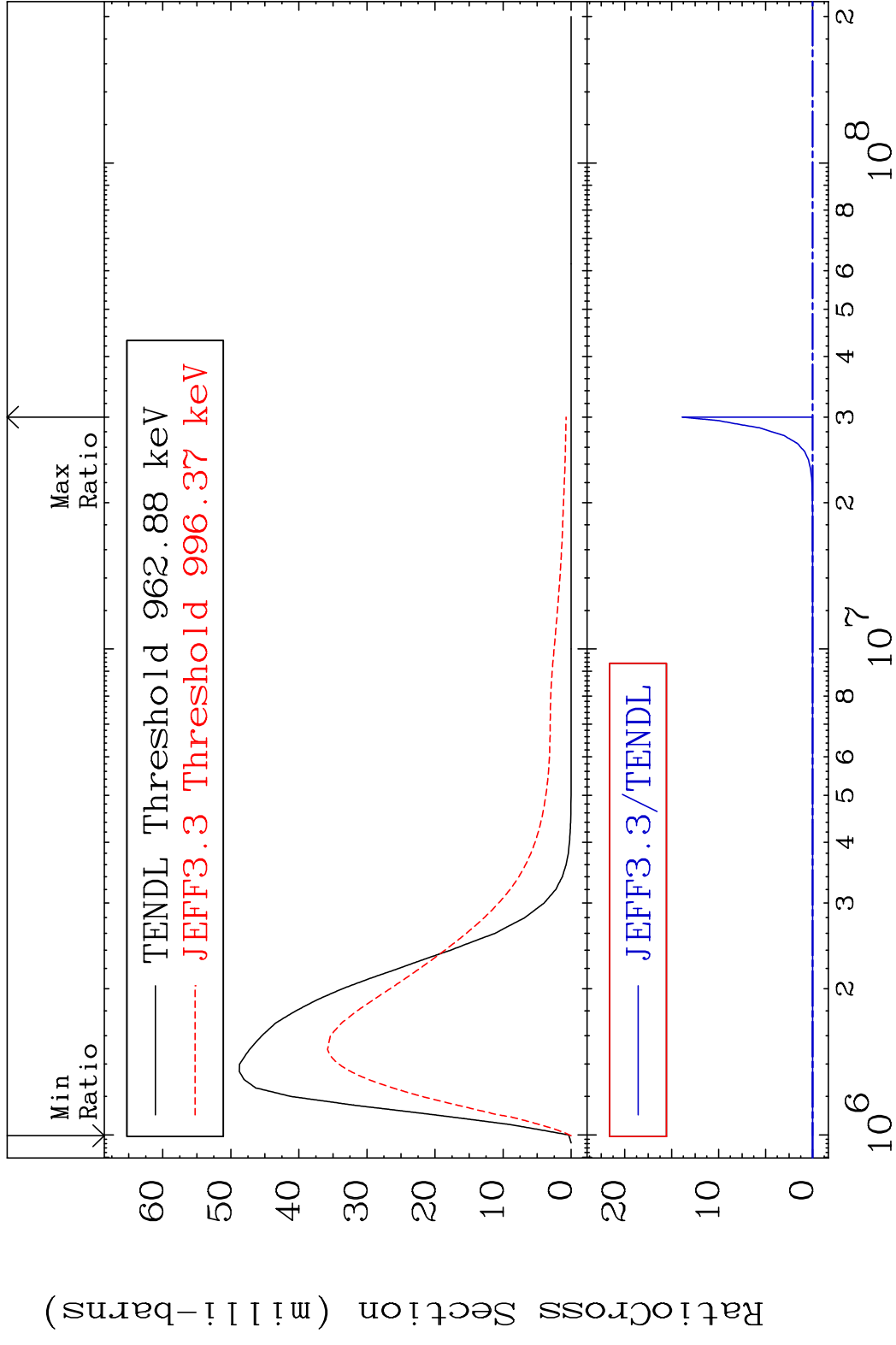


25 94-Pu-240

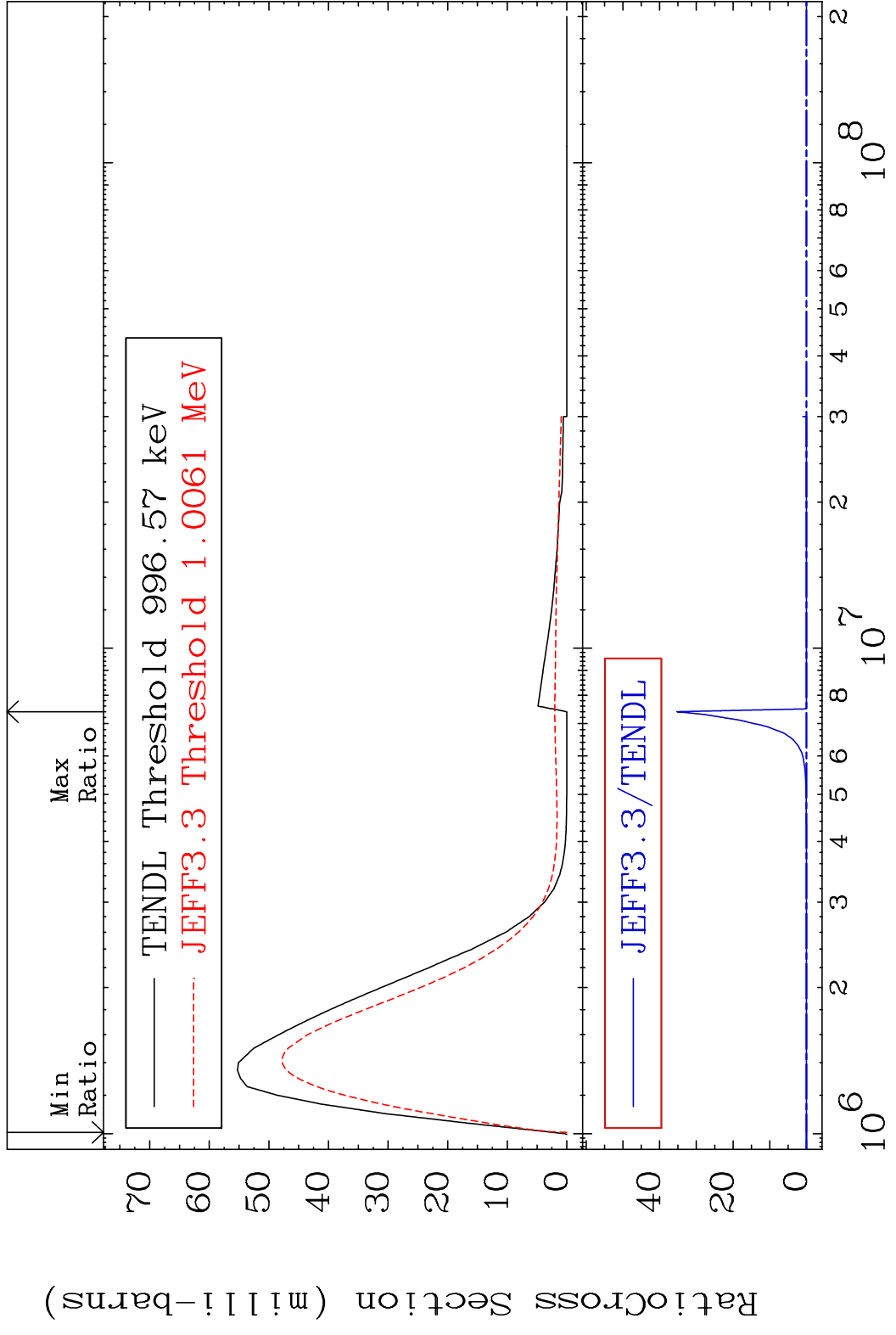
MAT 9440 MT= 62 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 317.2 %



MAT 9440 MT= 63 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

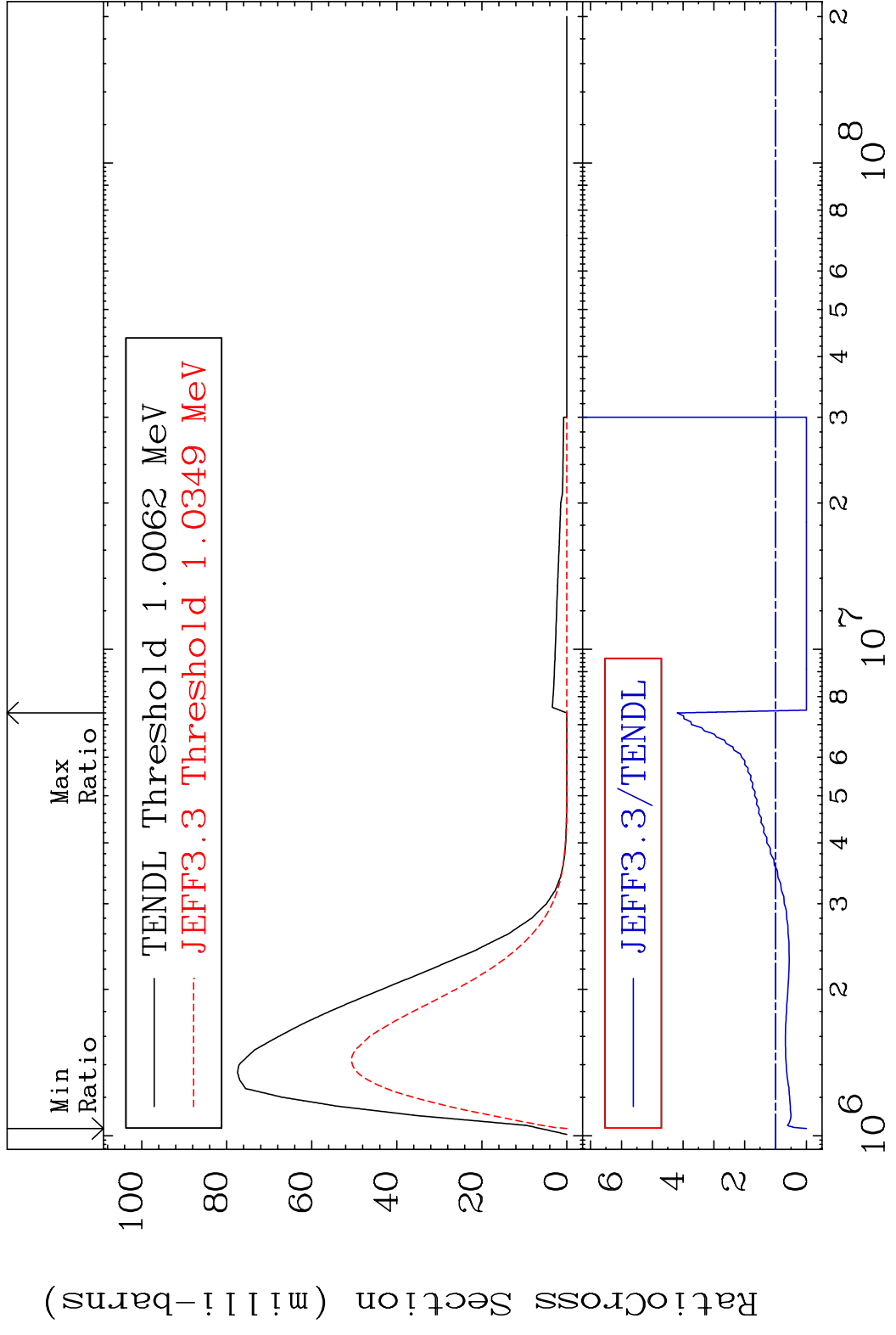


MAT 9440 MT= 64 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



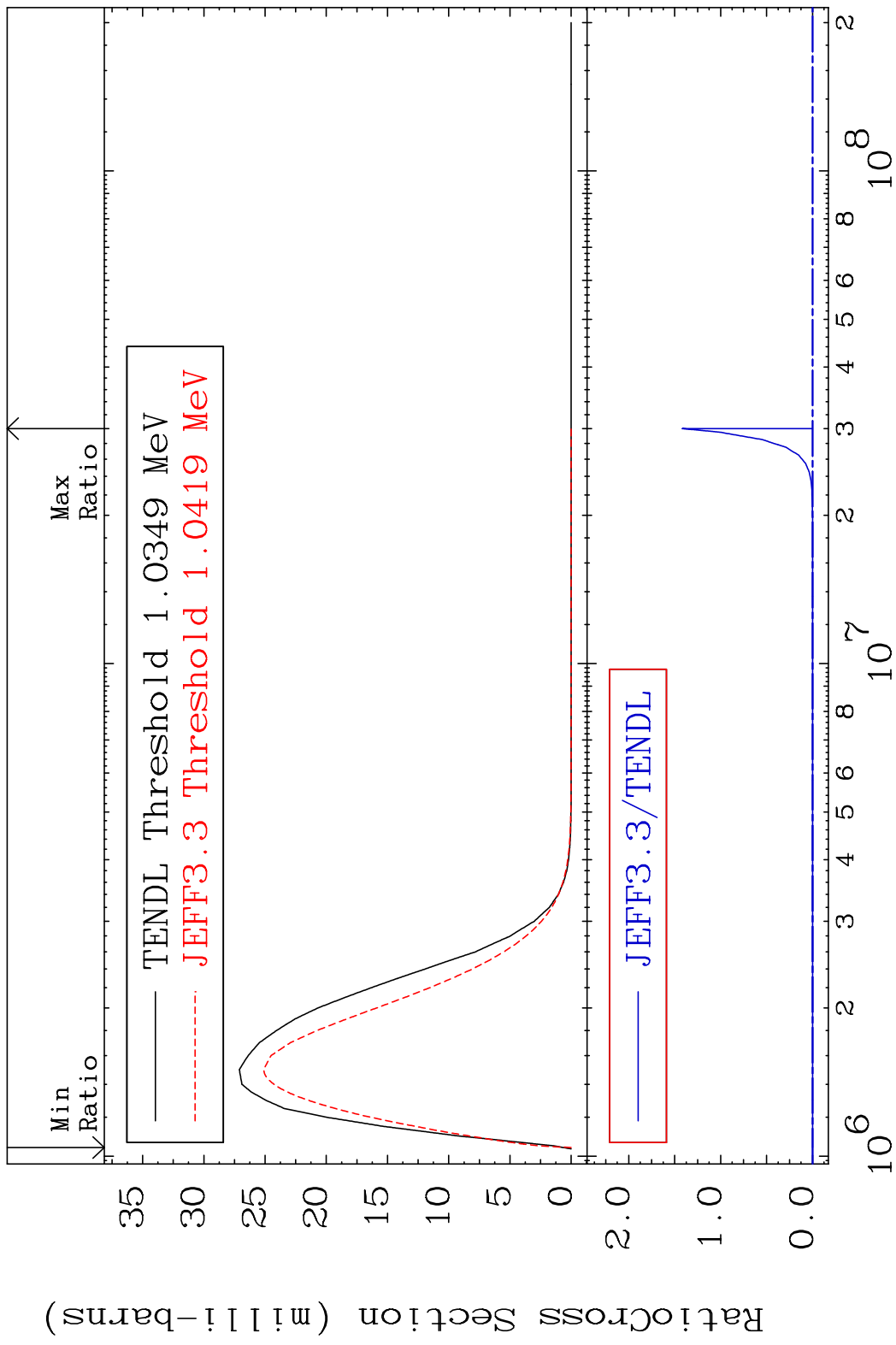
28 Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 65 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 319.2 %



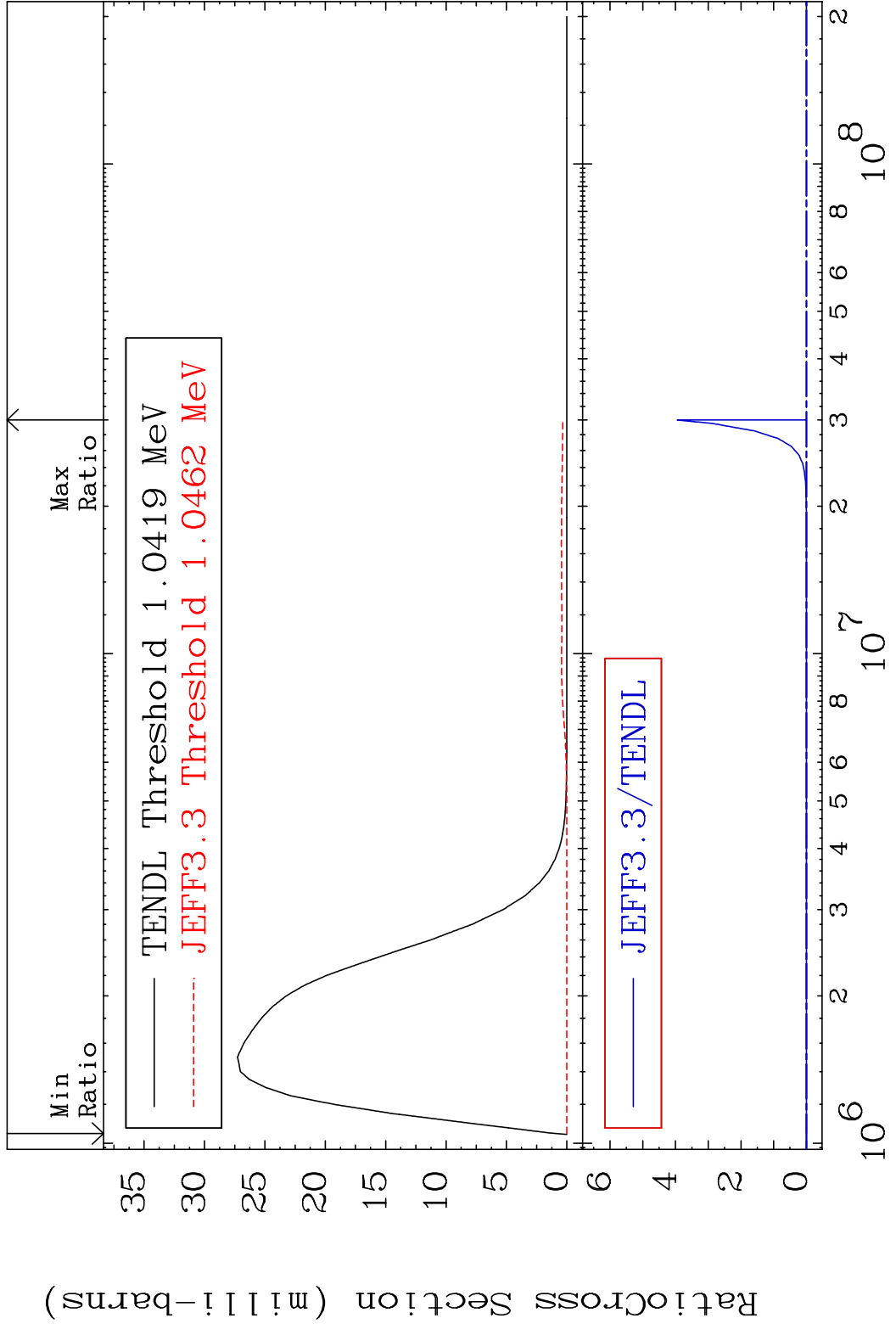
29 94-Pu-240

MAT 9440 MT= 66 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



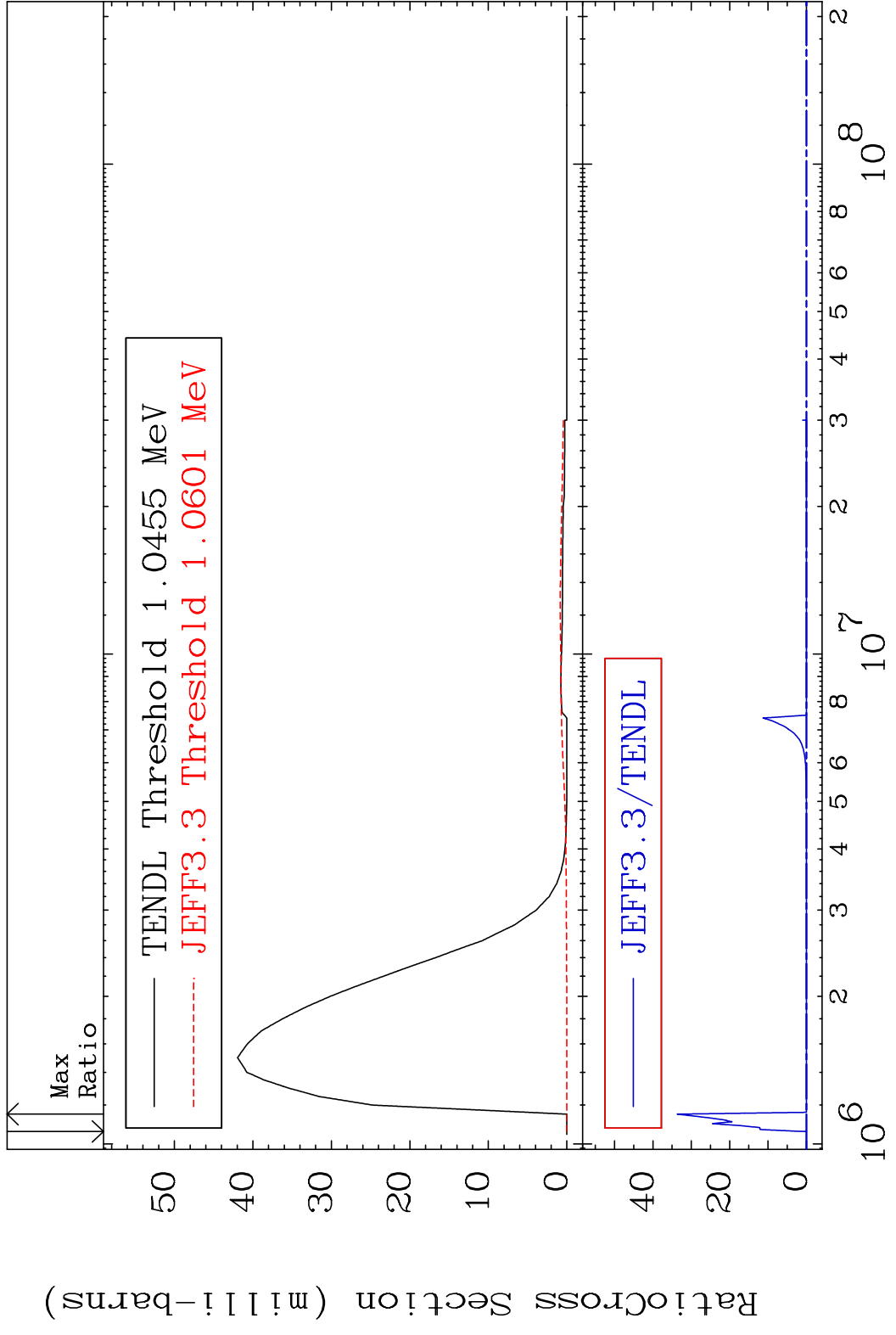
30 2 2 3 3 4 4 5 5 6 6 7 7 8 8 8 8 10⁶ 10⁷ 10⁸ 2

MAT 9440 MT= 67 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



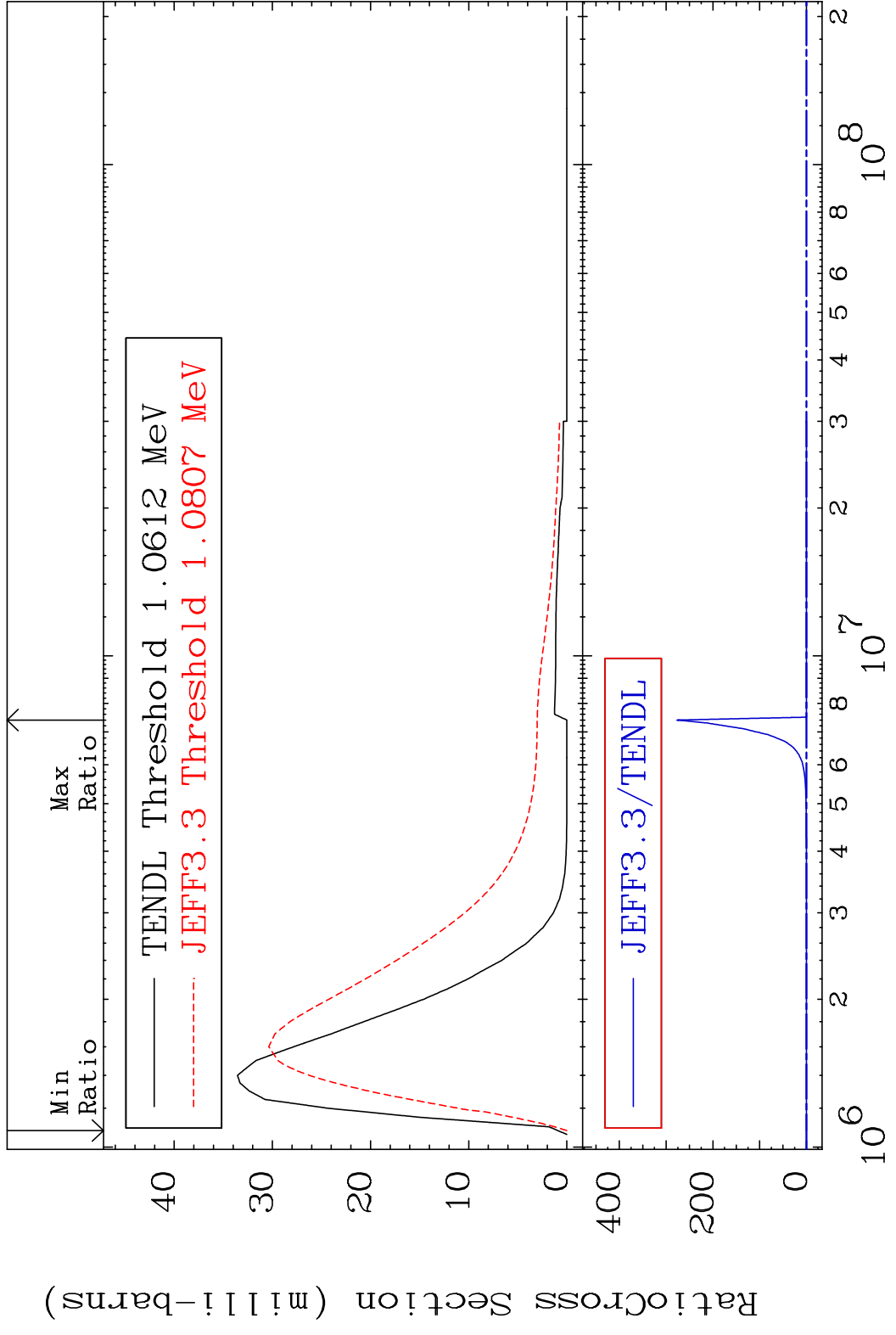
31 Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 68 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %

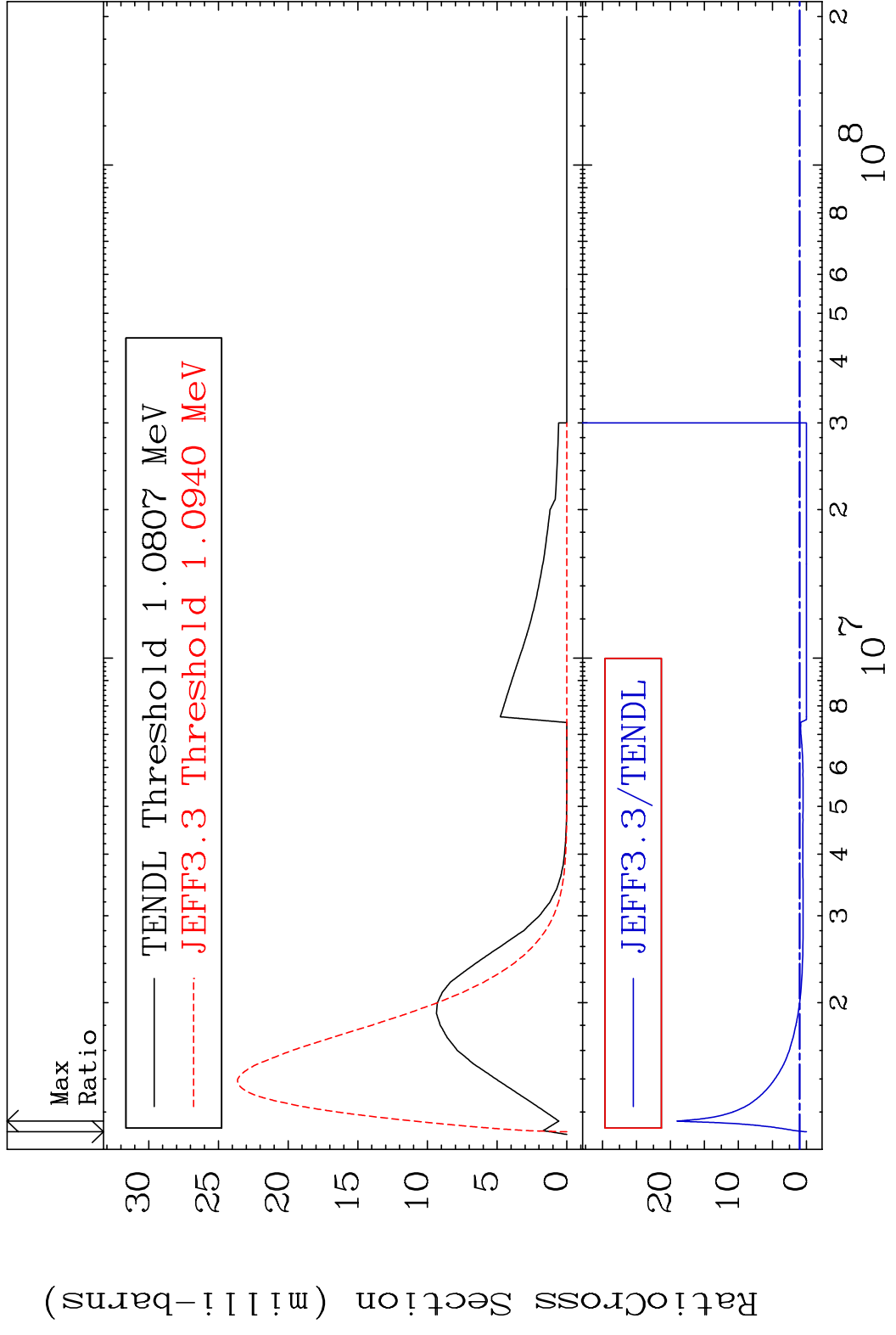


32 Incident Energy (eV) 94-Pu-240

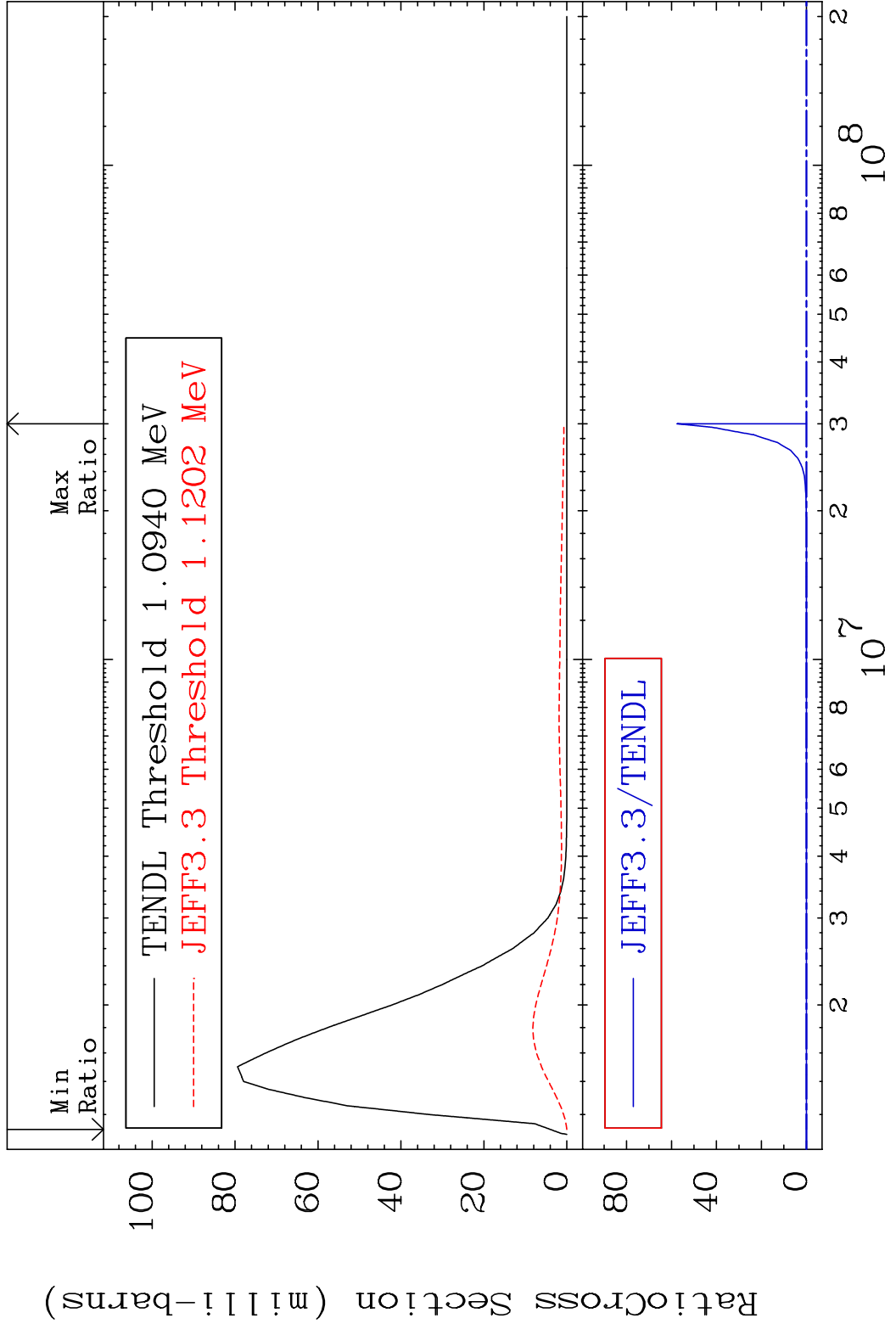
MAT 9440 MT= 69 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



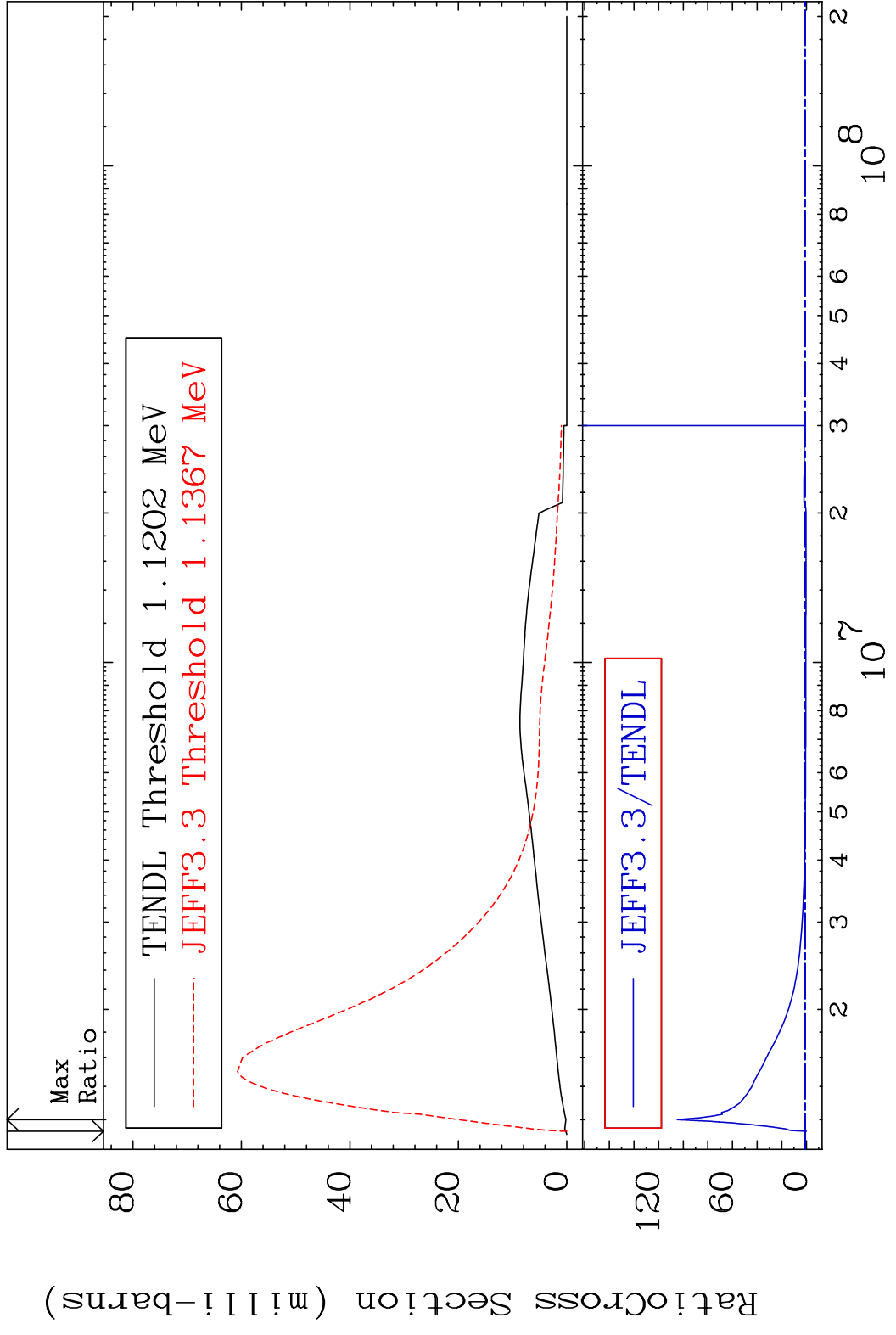
MAT 9440 MT= 70 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 1801. %



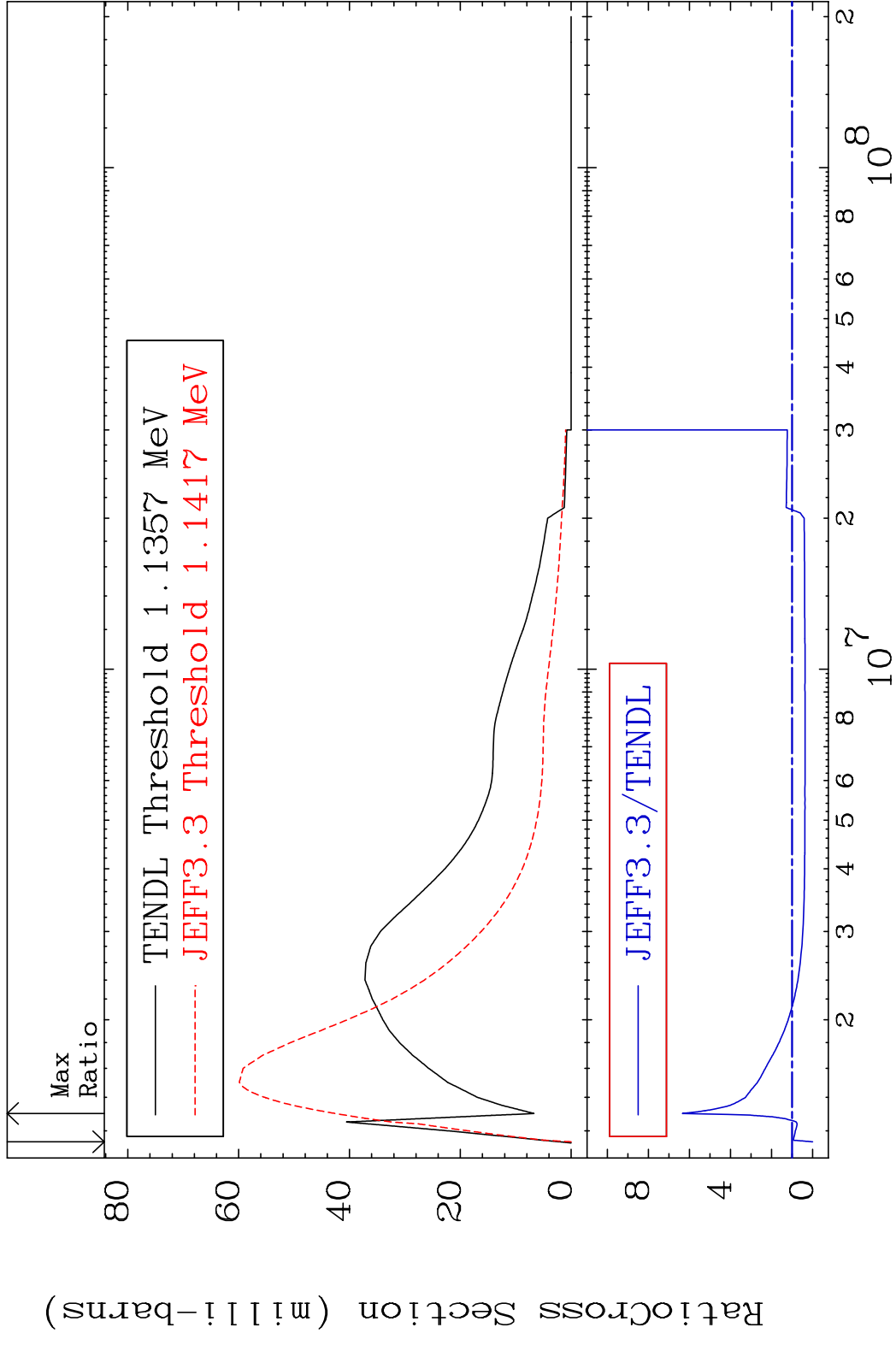
MAT 9440 MT= 71 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



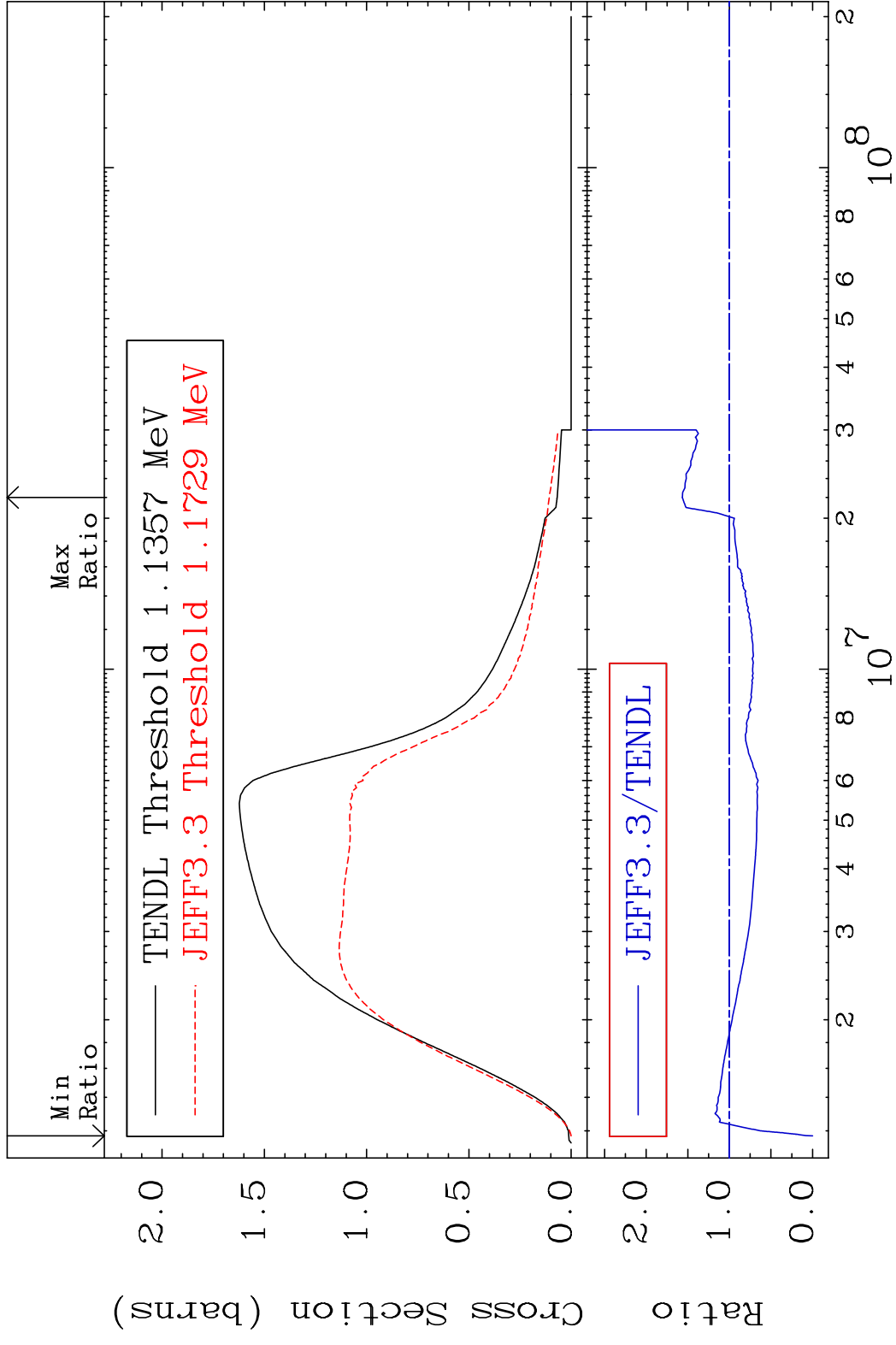
MAT 9440 MT= 72 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 MT= 73 (n, n') Level 94-Pu-240
 Cross Section -100.0 To 534.3 %



MAT 9440 (n, n') Continuum 94-Pu-240
 Cross Section -100.0 To 56.54 %

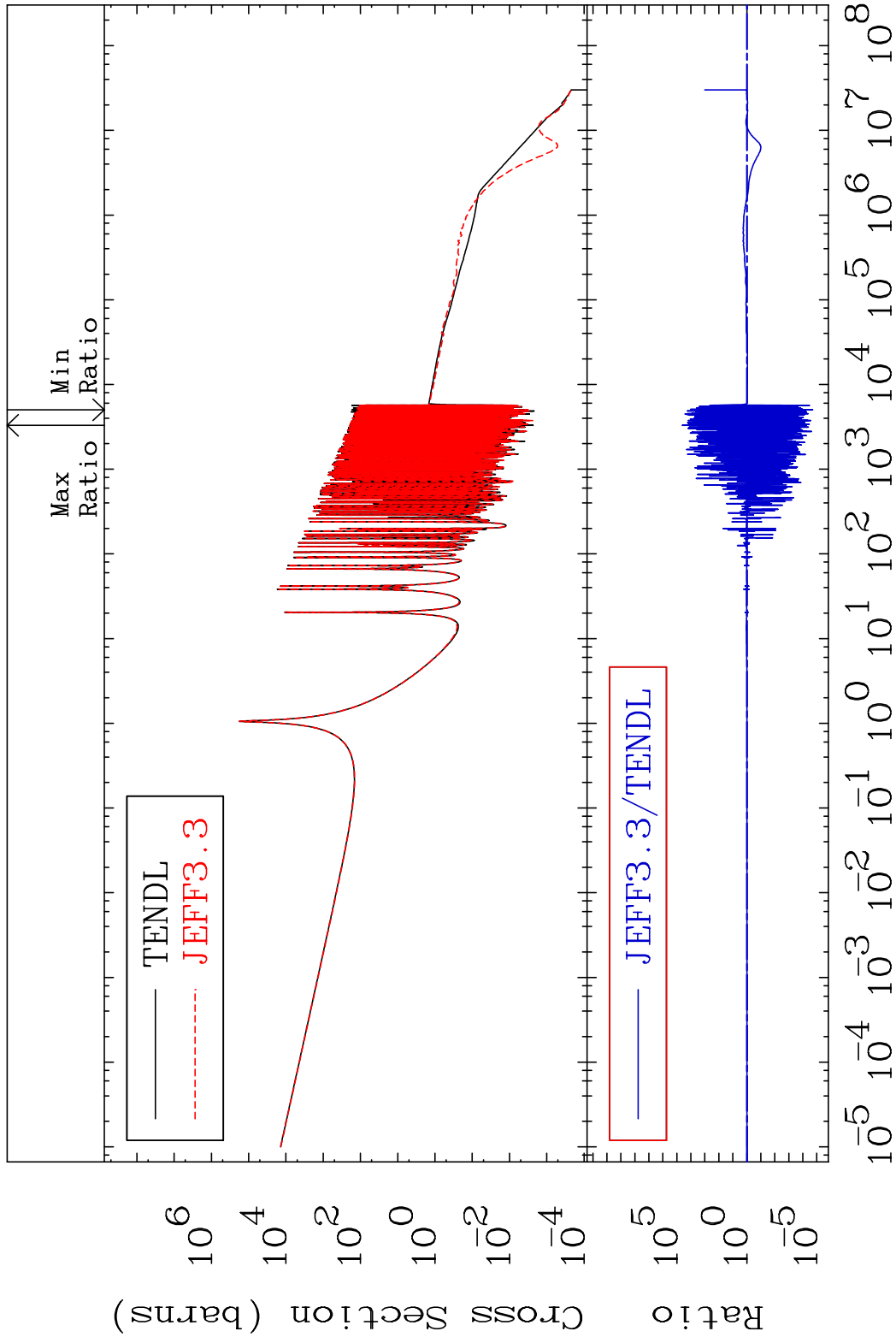


MAT 9440

(n, γ)

94-Pu-240

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

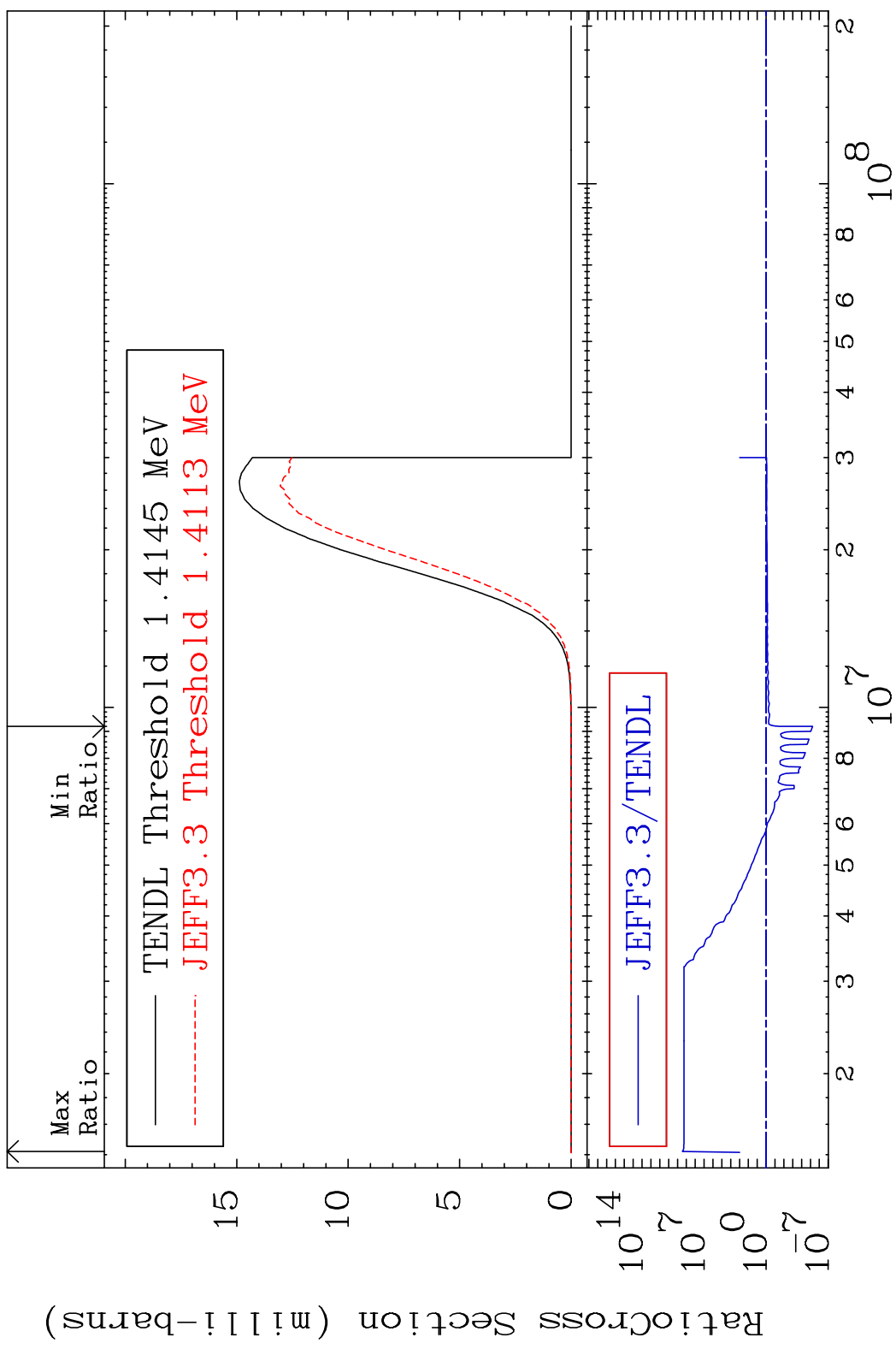
94-Pu-240

MAT 9440

(n, p)

94-Pu-240

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

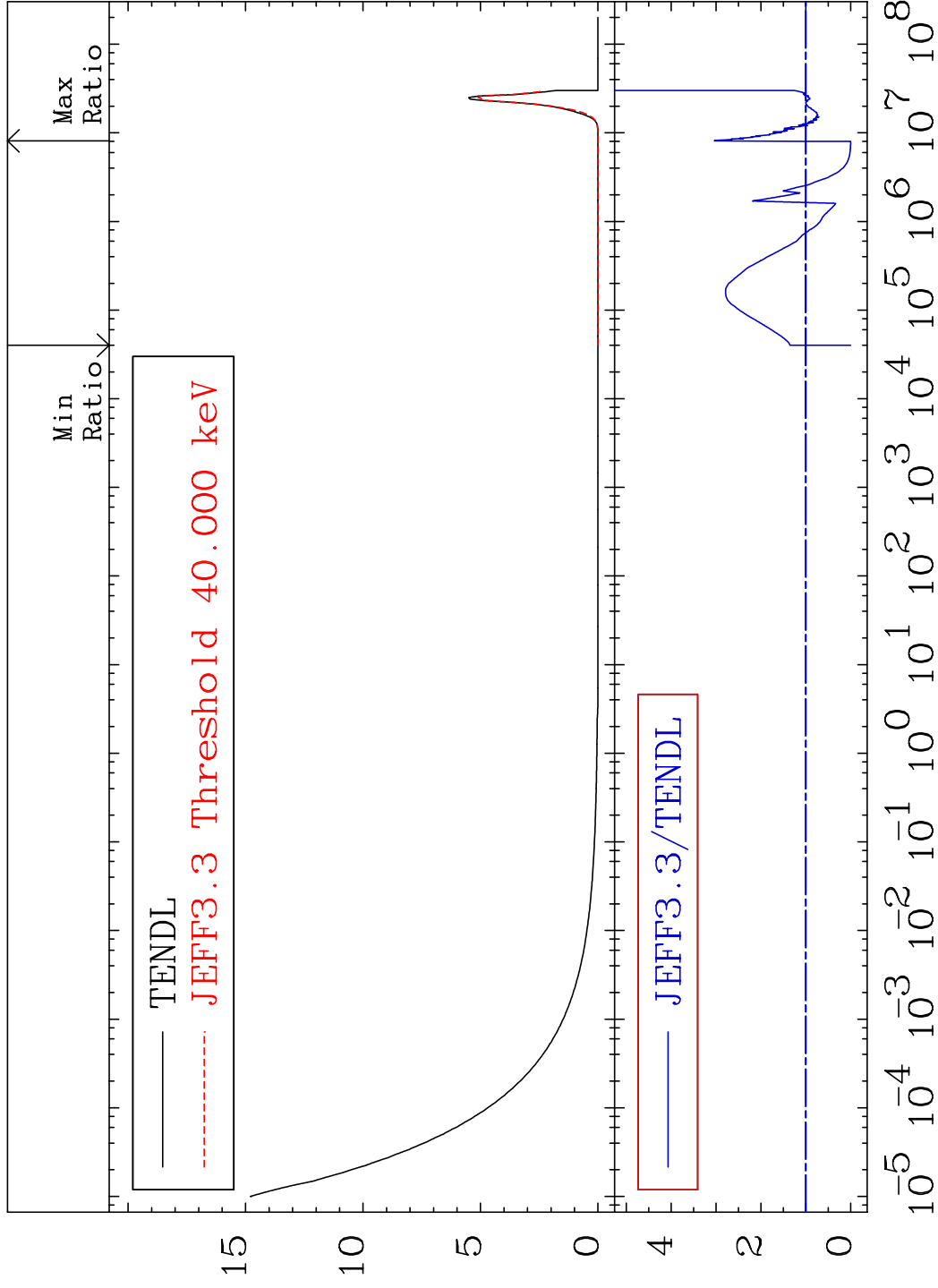
94-Pu-240

MAT 9440

(n, α)
Cross Section -100.0 To 203.8 %

94-Pu-240

RatioCross Section (milli-barns)



41

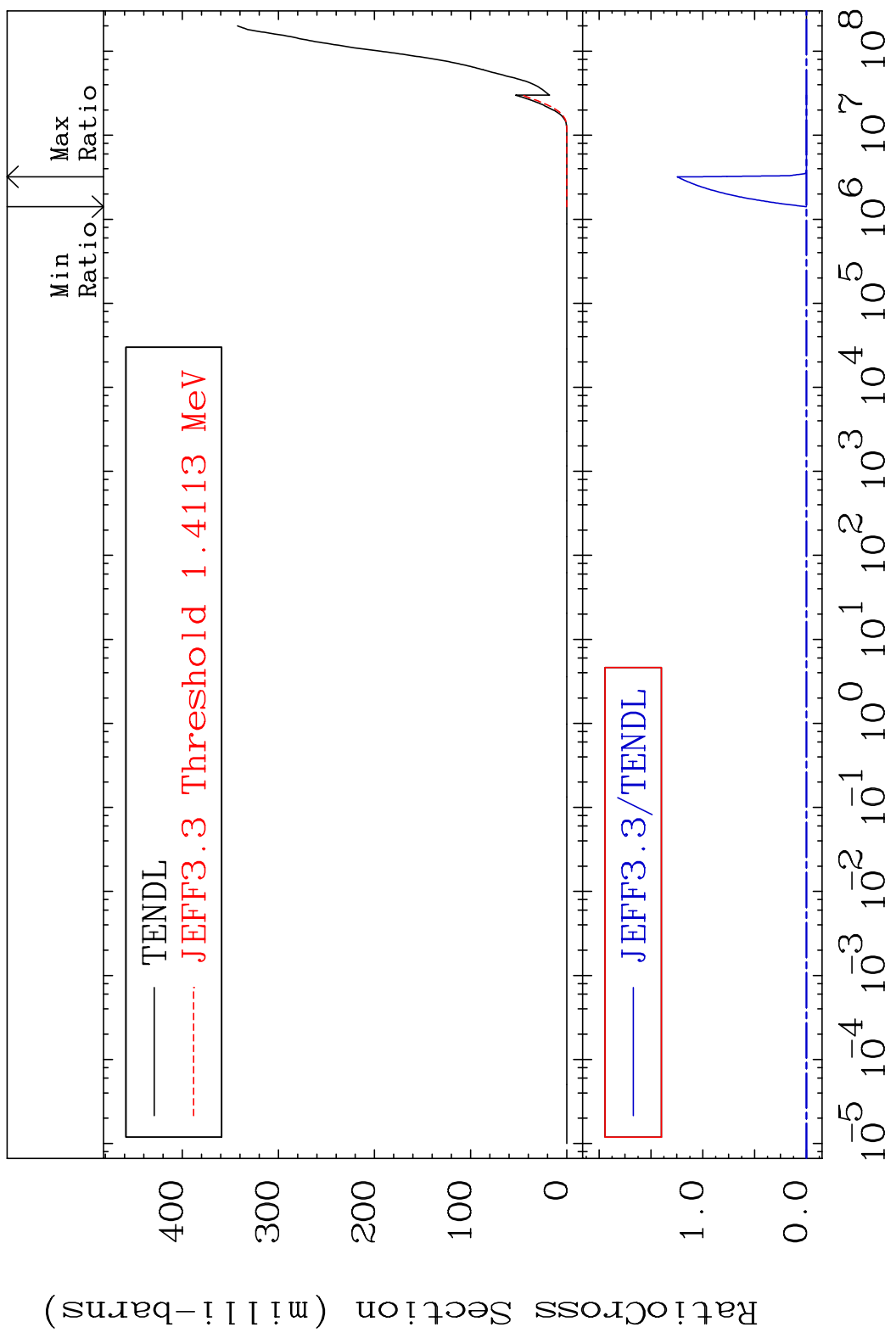
Incident Energy (eV)

94-Pu-240

MAT 9440

Hydrogen Production
Cross Section -100.0 To 9999. %

94-Pu-240

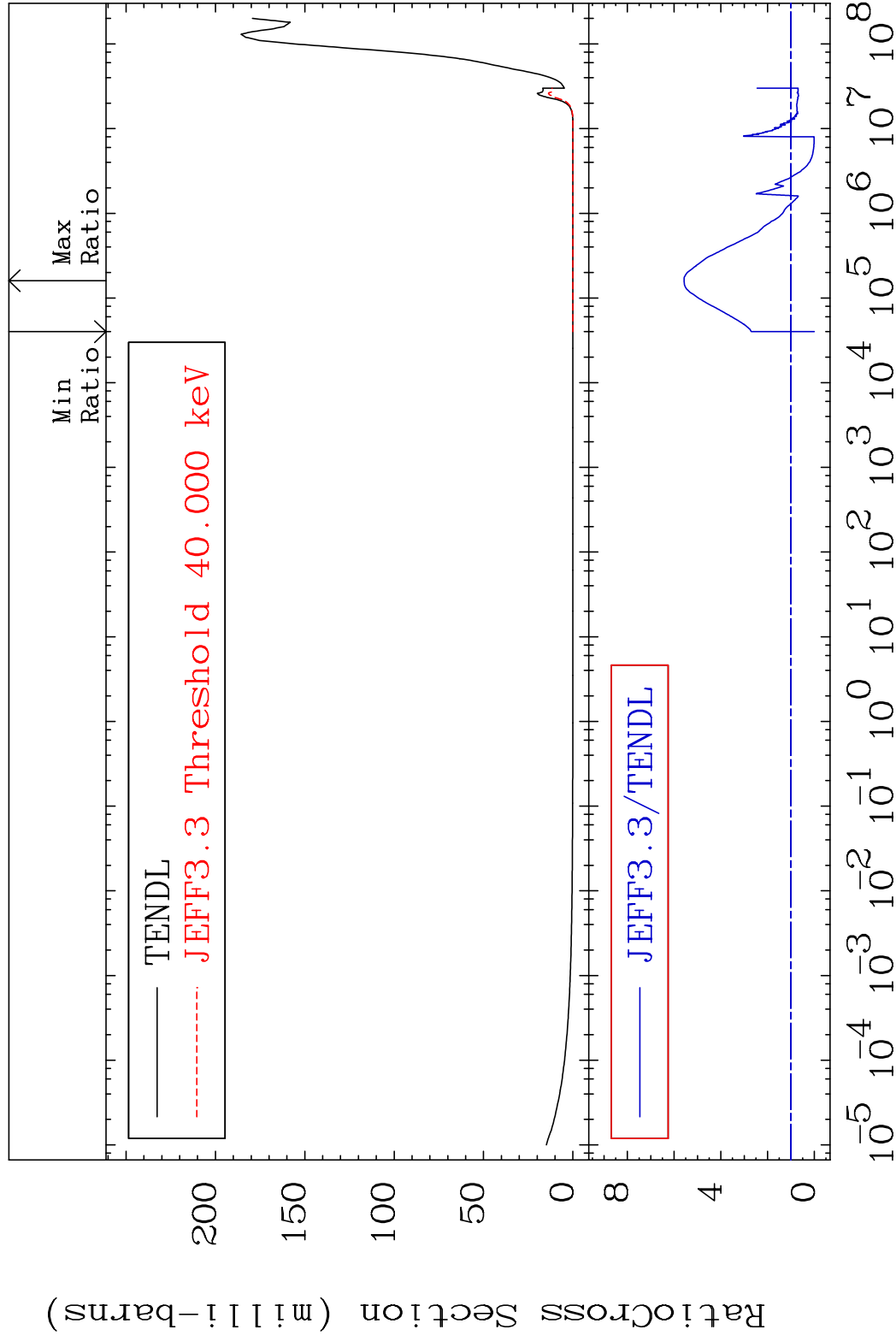


MAT 9440

He-4 Production

94-Pu-240

Cross Section -100.0 To 457.4 %



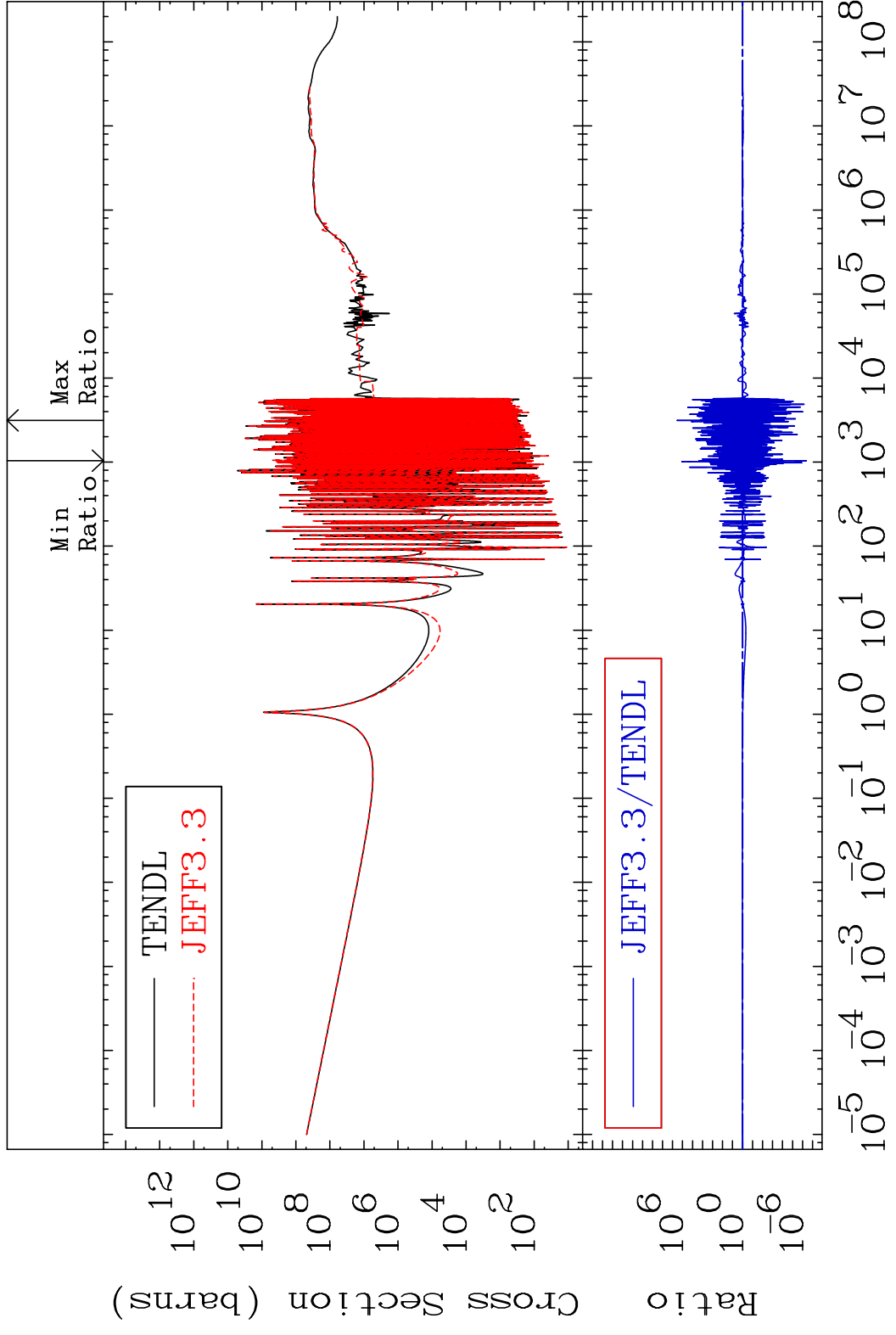
43

Incident Energy (eV)

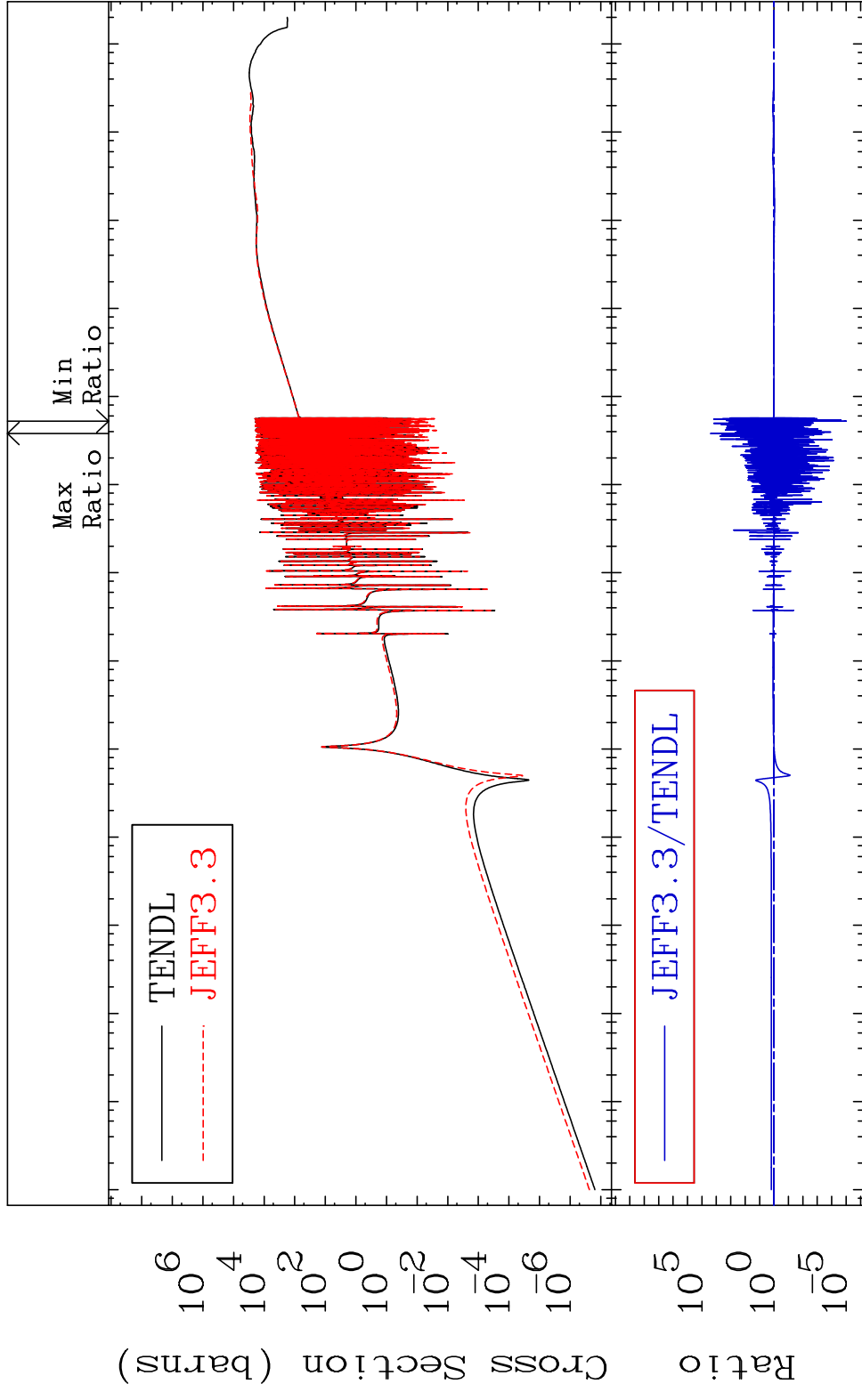
94-Pu-240

MAT 9440

Kerma total (eV-barns) 94-Pu-240
Cross Section -100.0 To 9999. %



MAT 9440 Kerma elastic 94-Pu-240
 Cross Section -100.0 To 9999. %



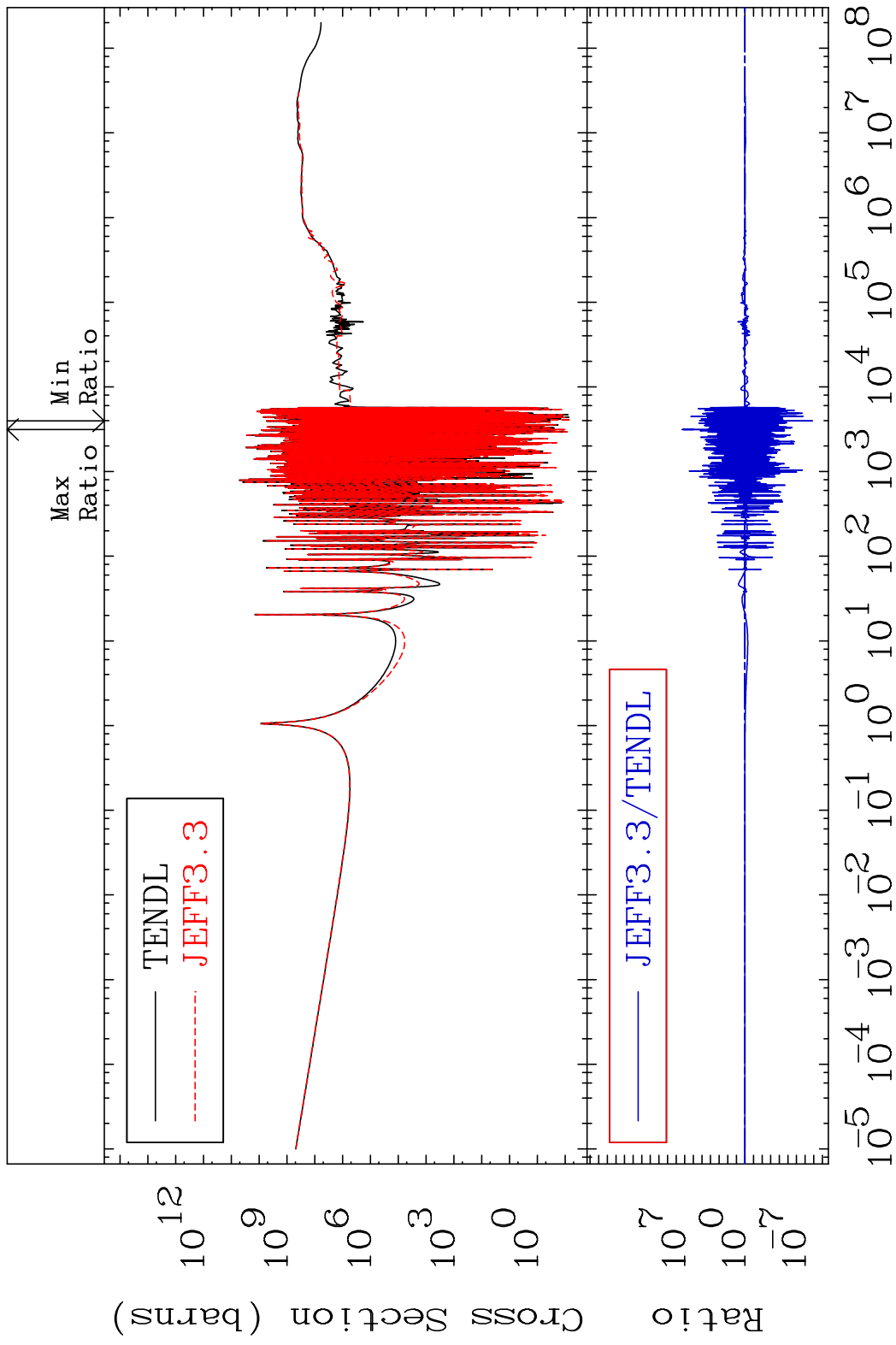
Ratio

10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶

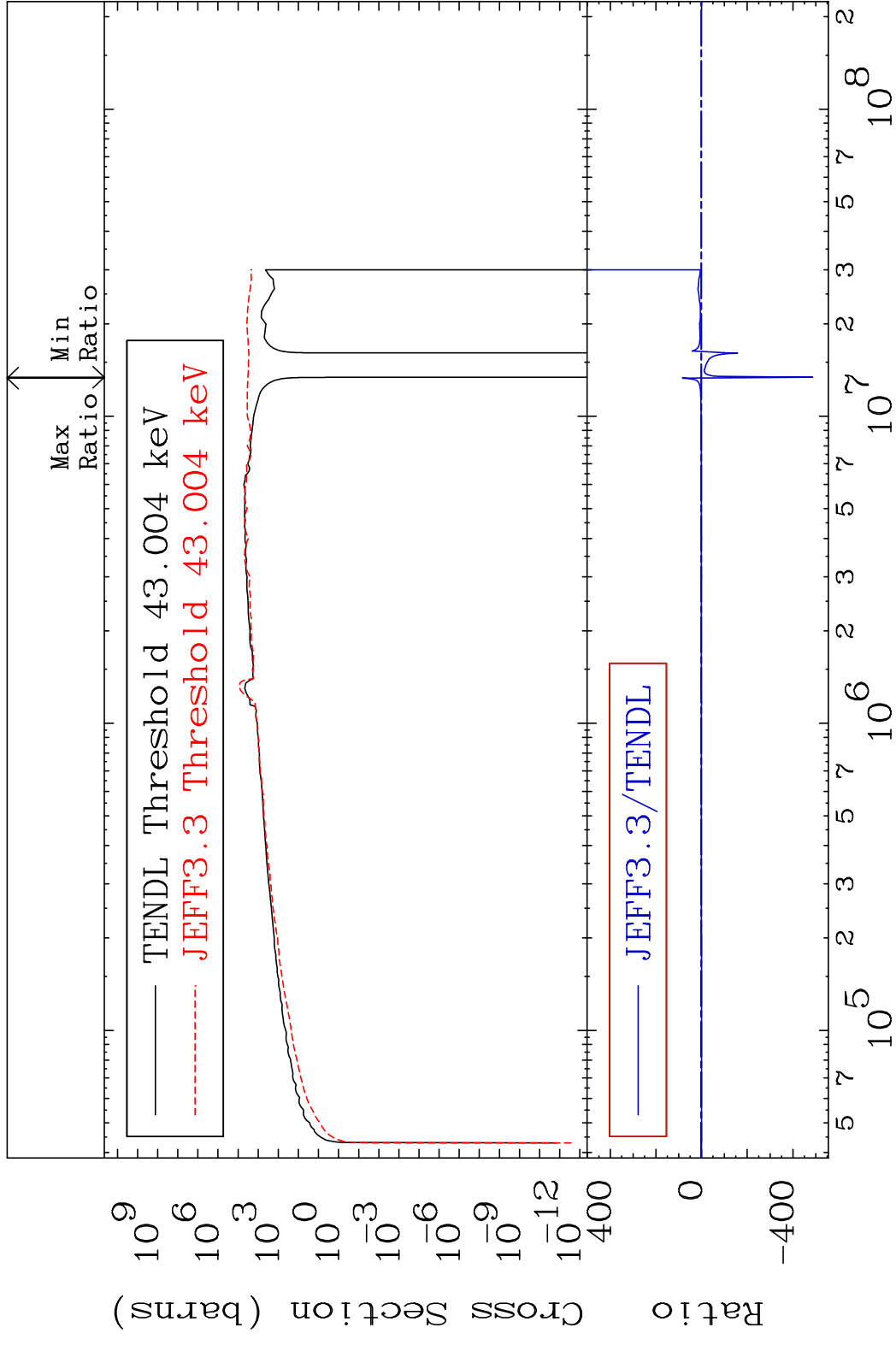
10⁵
10⁰
10⁻⁵

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

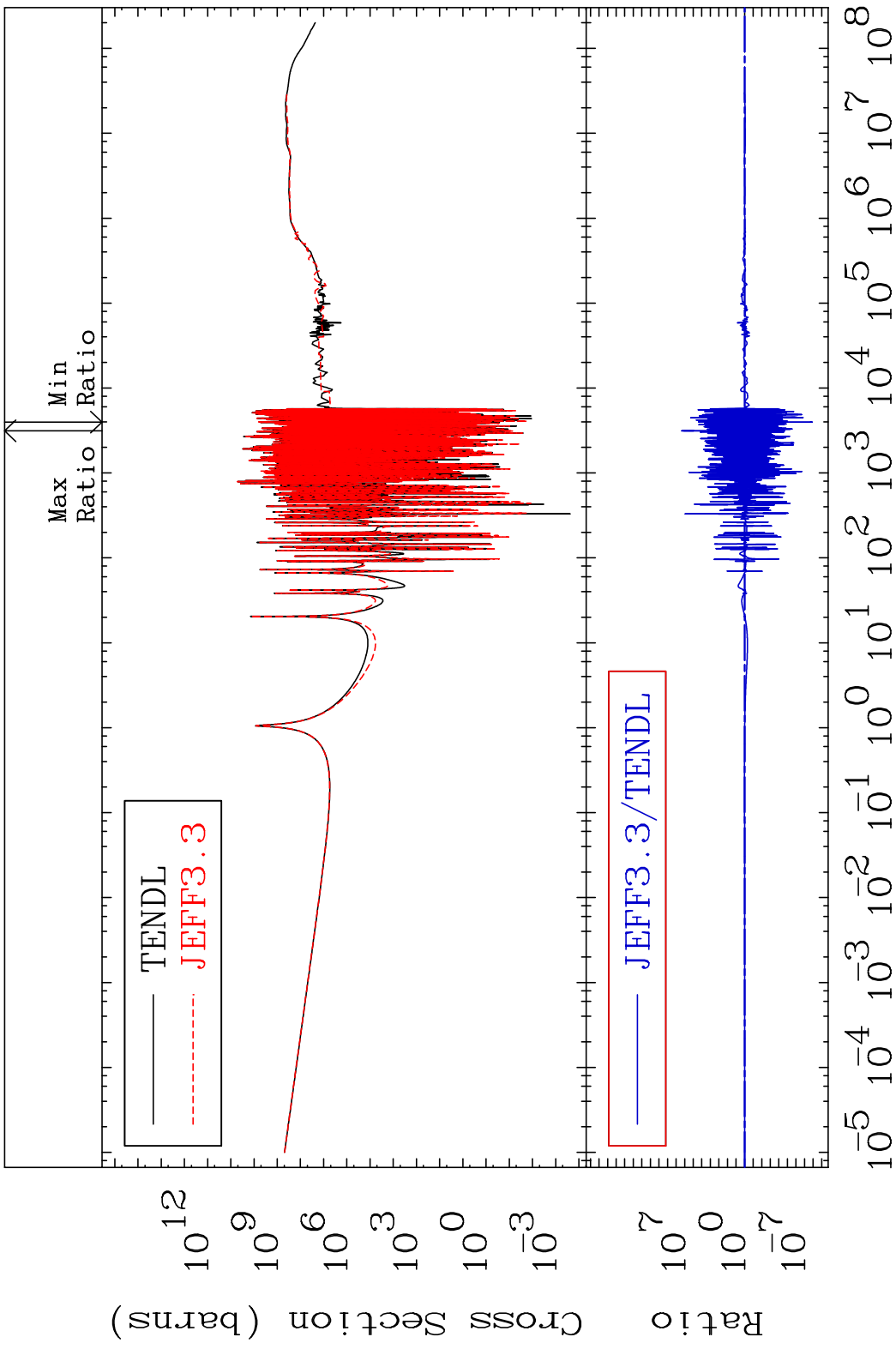
MAT 9440 Kerma non-elastic (all but mt2) 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 Kerma inelastic (mt51-91) 94-Pu-240
 Cross Section -9999. To 8326. %

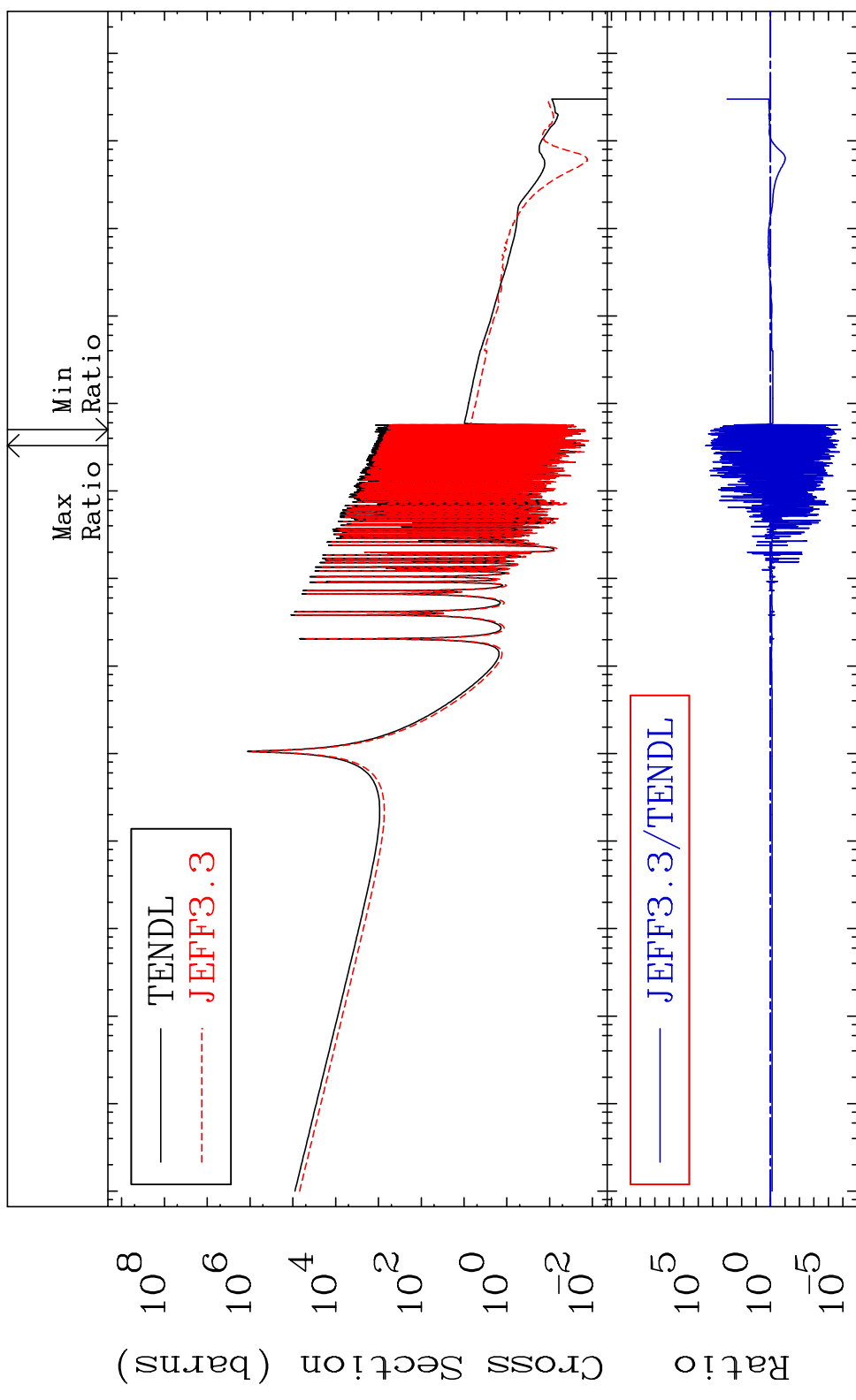


MAT 9440 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440

Kerma capture (mt102) 94-Pu-240
Cross Section -100.0 To 9999. %

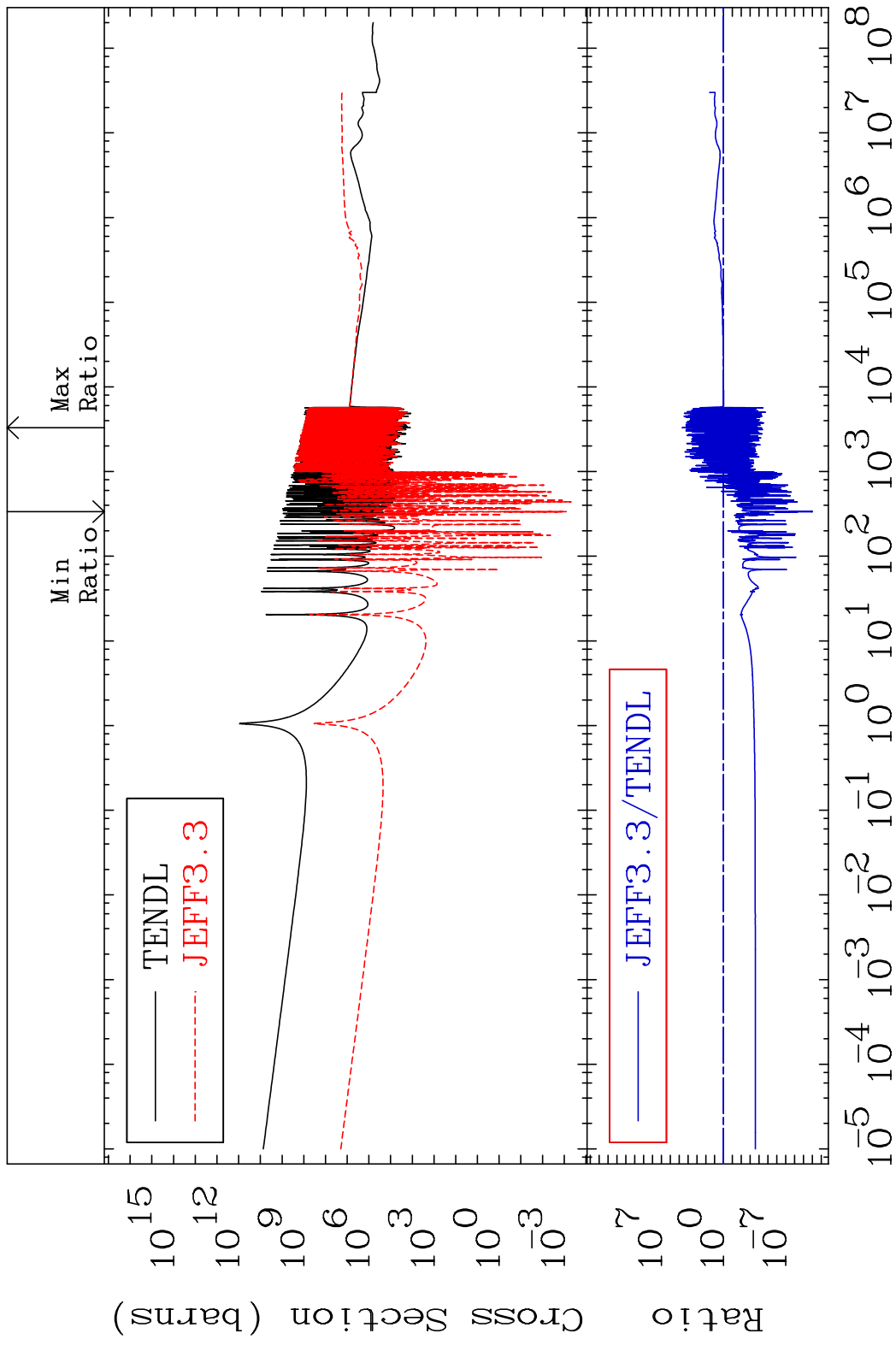


49

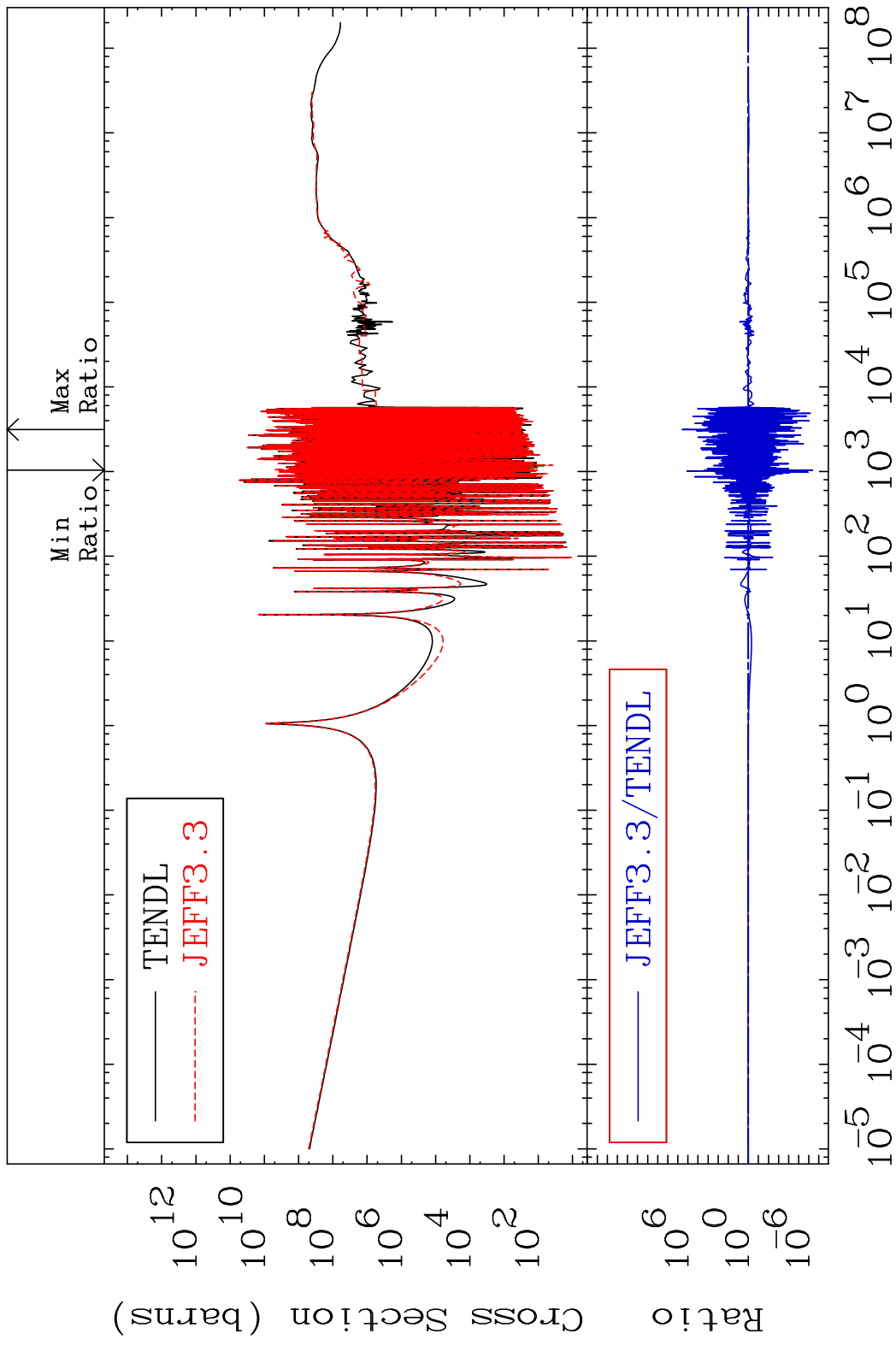
Incident Energy (eV)

94-Pu-240

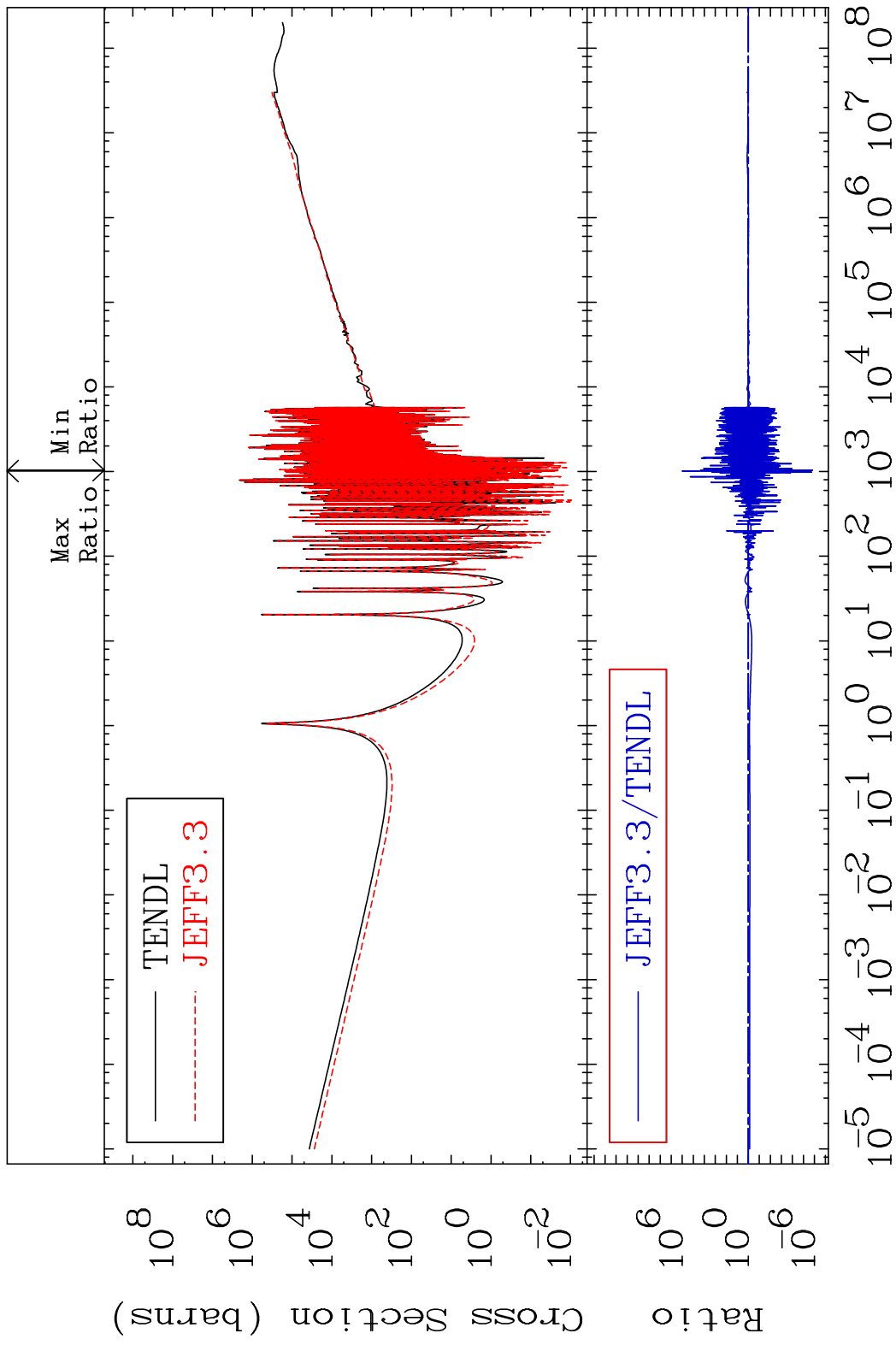
MAT 9440 Total photon (eV-barns) 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 Total kinematic kerma (high limit) 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 Dpa total (eV-barns) 94-Pu-240
 Cross Section -100.0 To 9999. %

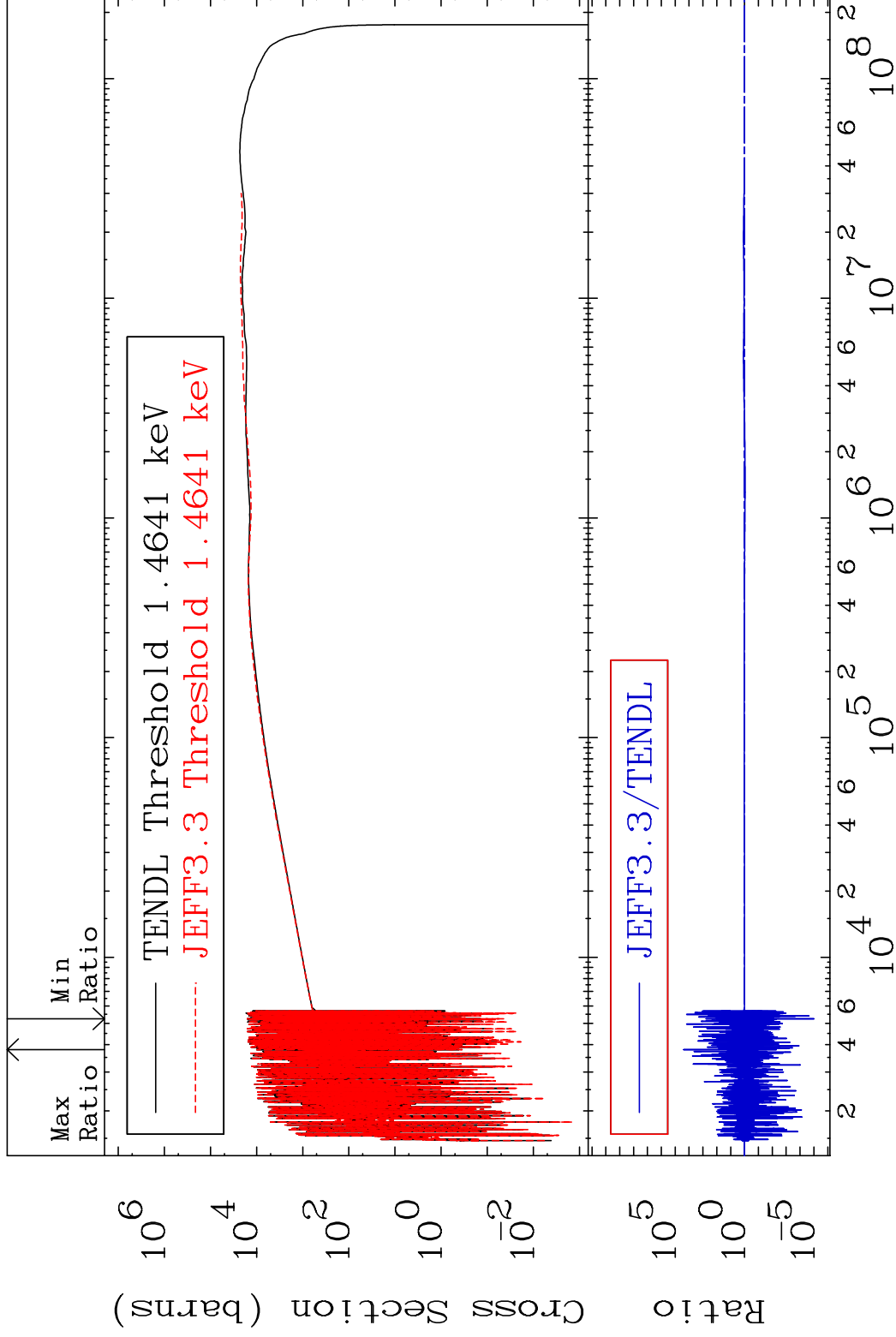


MAT 9440

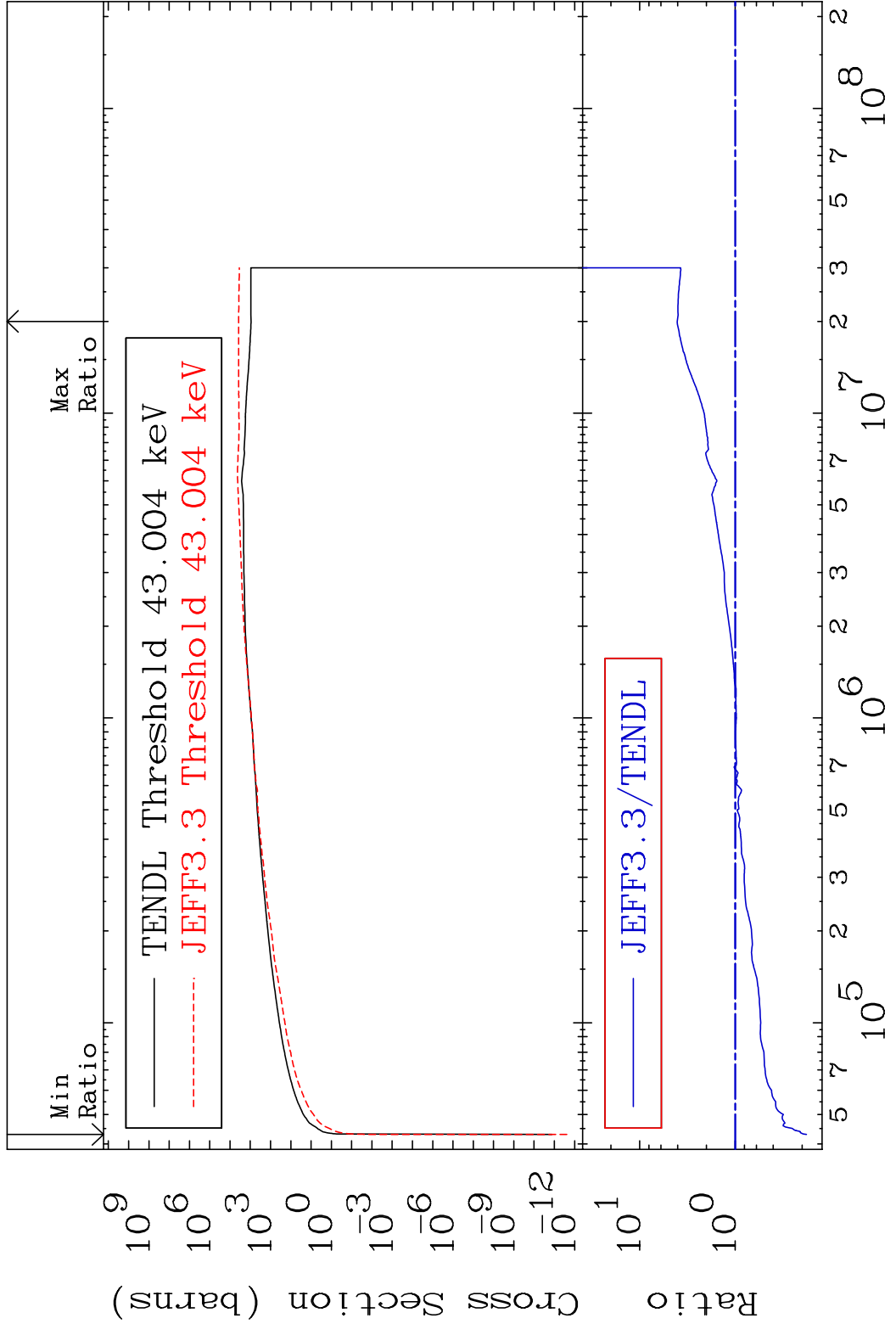
Dpa elastic (mt2)

94-Pu-240

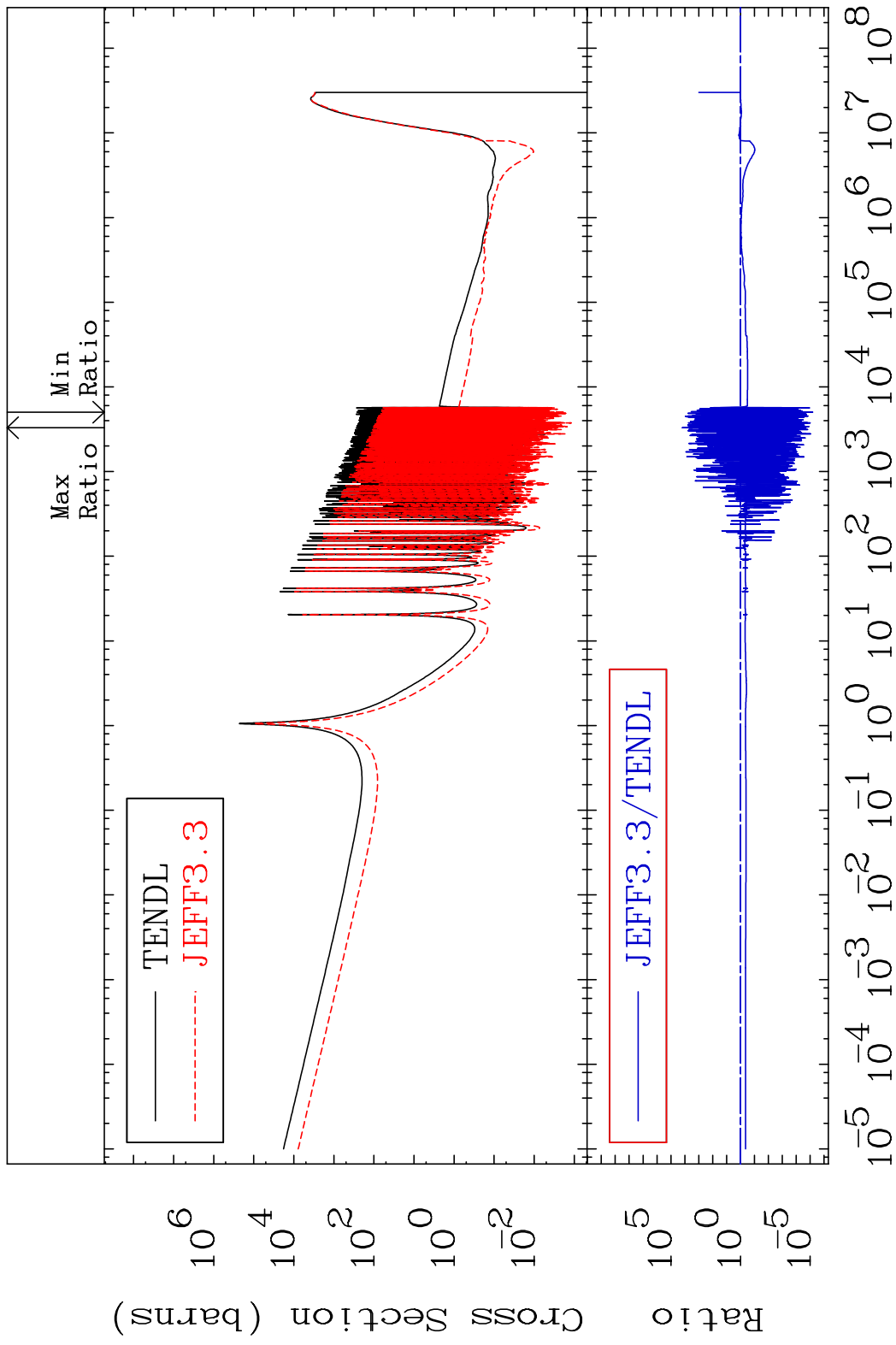
Cross Section -100.0 To 9999. %



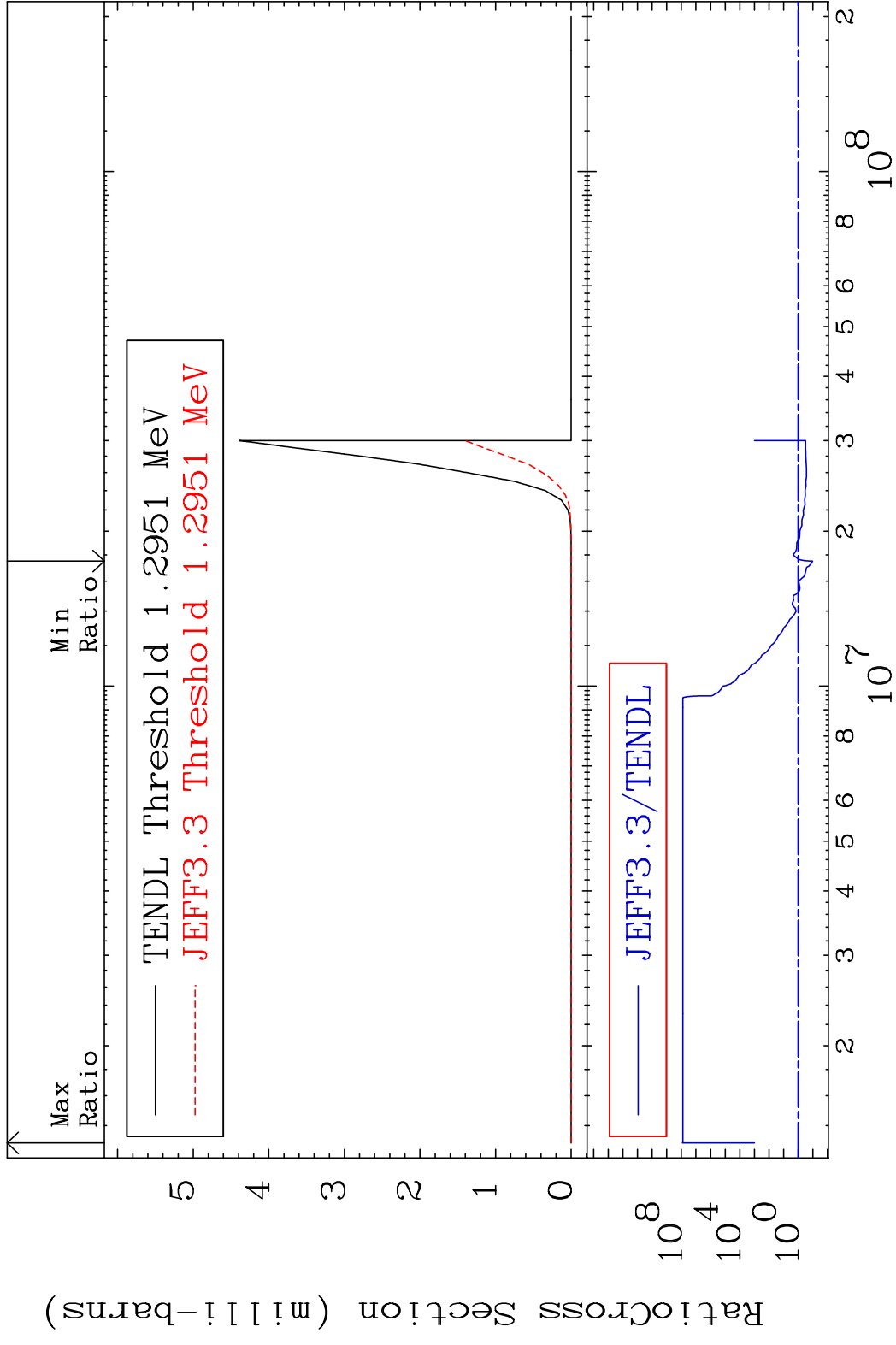
MAT 9440 Dpa inelastic (mt51-91) 94-Pu-240
 Cross Section -81.99 To 305.4 %



MAT 9440 Dpa disappearance (mt102 -120) 94-Pu-240
 Cross Section -100.0 To 9999. %



MAT 9440 (n,2n) α :92-U-235g 94-Pu-240
 Radionuclide Production Cross Section Efficiency 9999. %



MAT 9440 (n,2n) α :92-U -235m1 94-Pu-240
 Radionuclide Production Cross Section to 9999. %

