

Program Complot
(Version 2021-1)

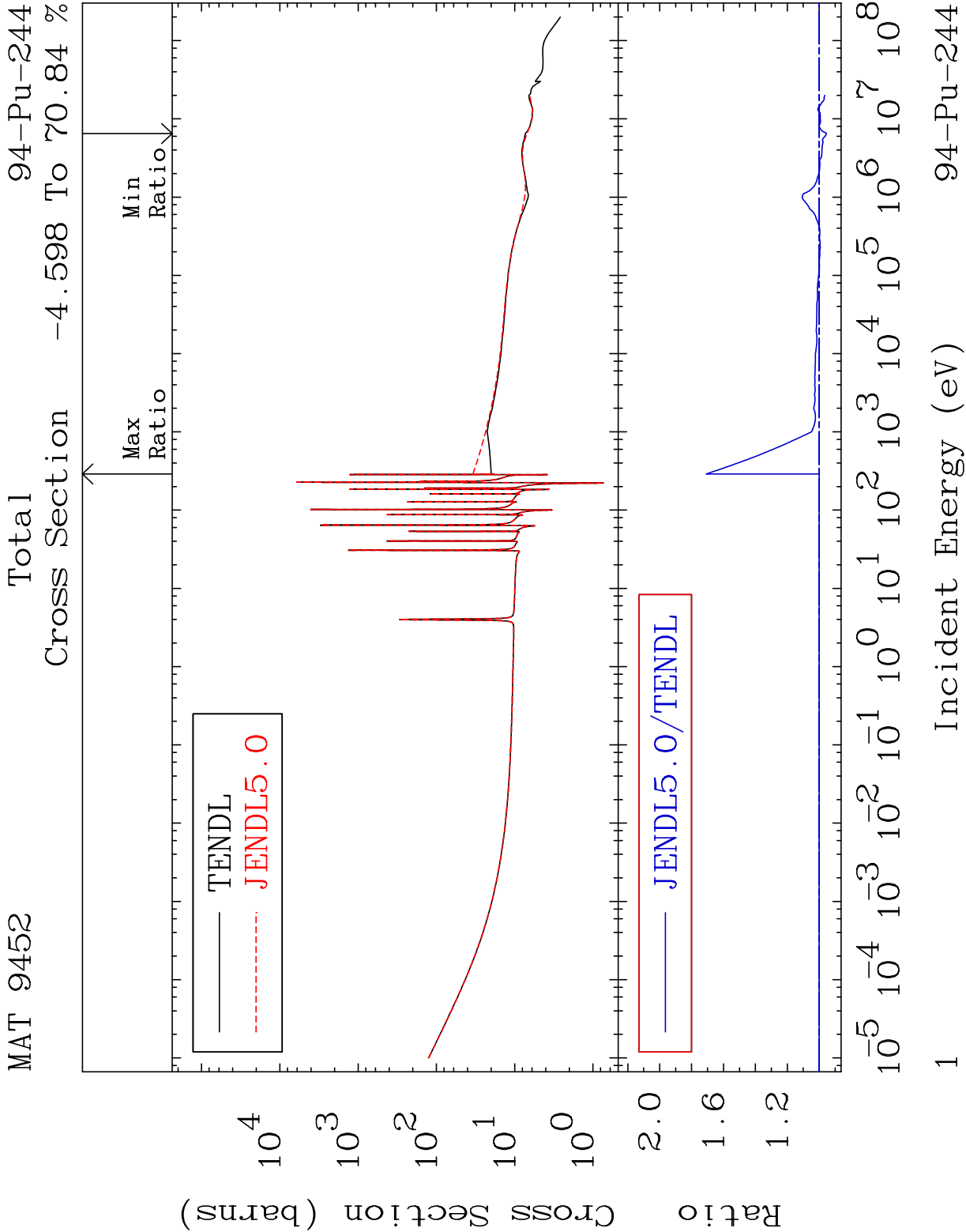
by

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Press Mouse Button to Start

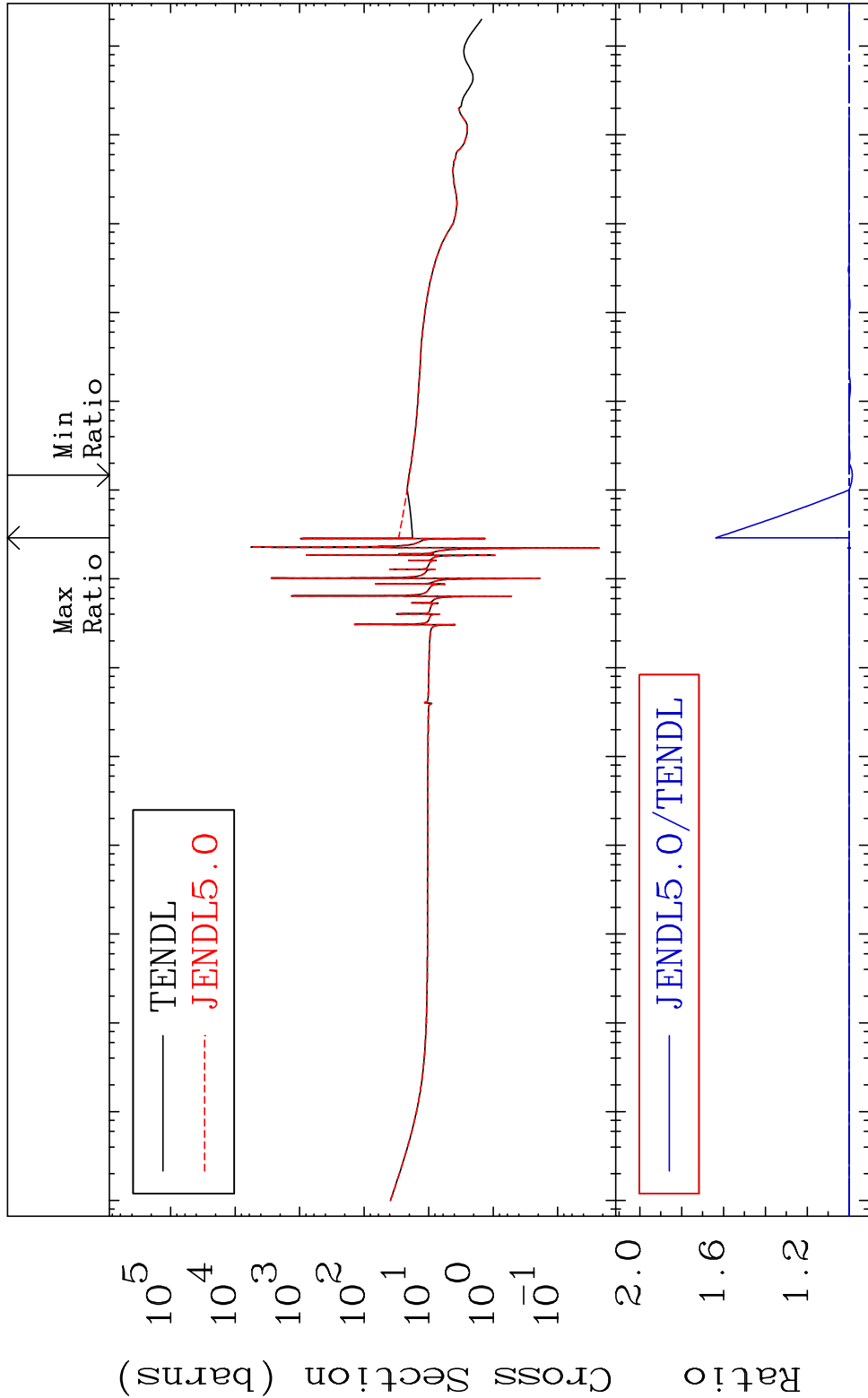


MAT 9452

Elastic

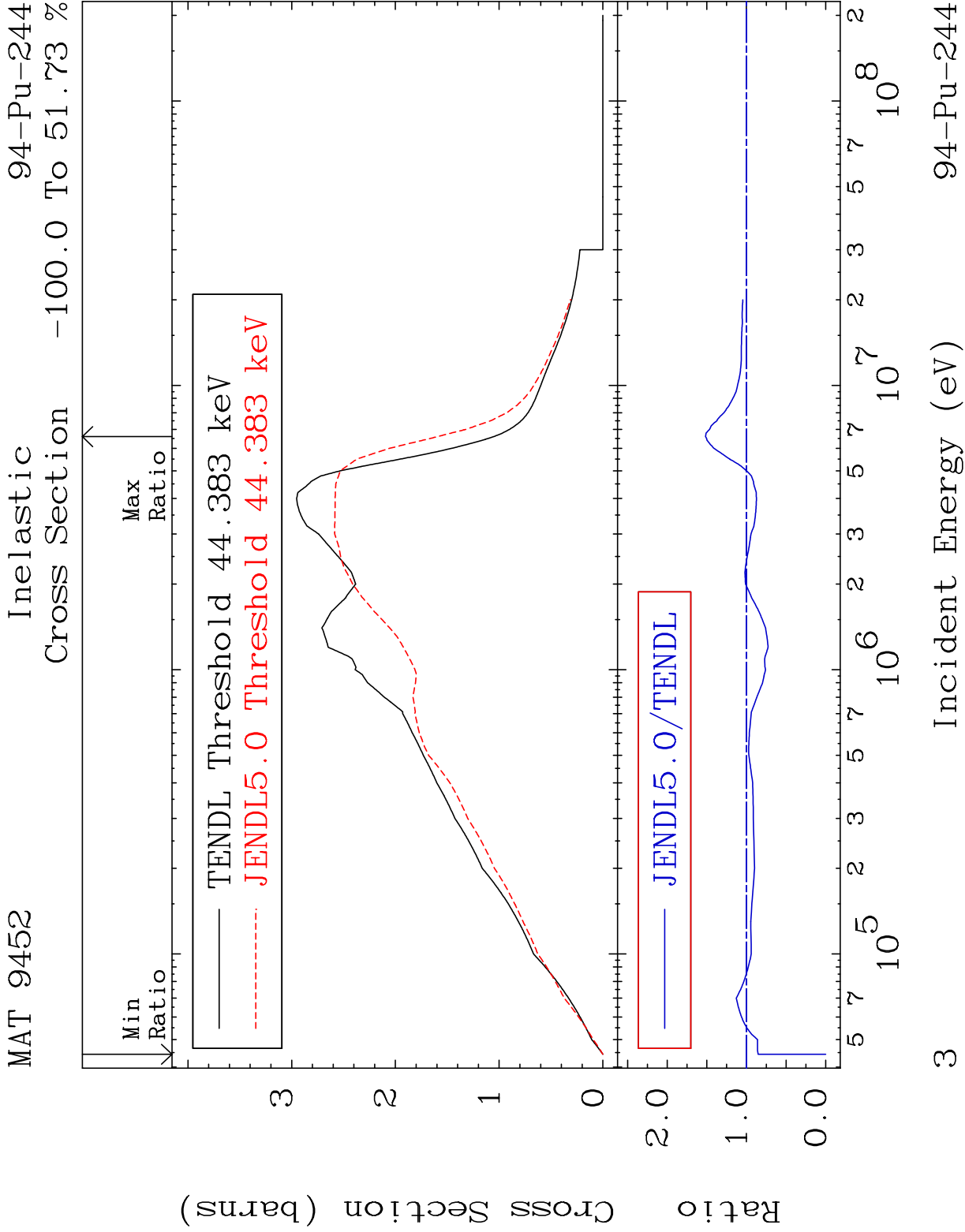
94-Pu-244

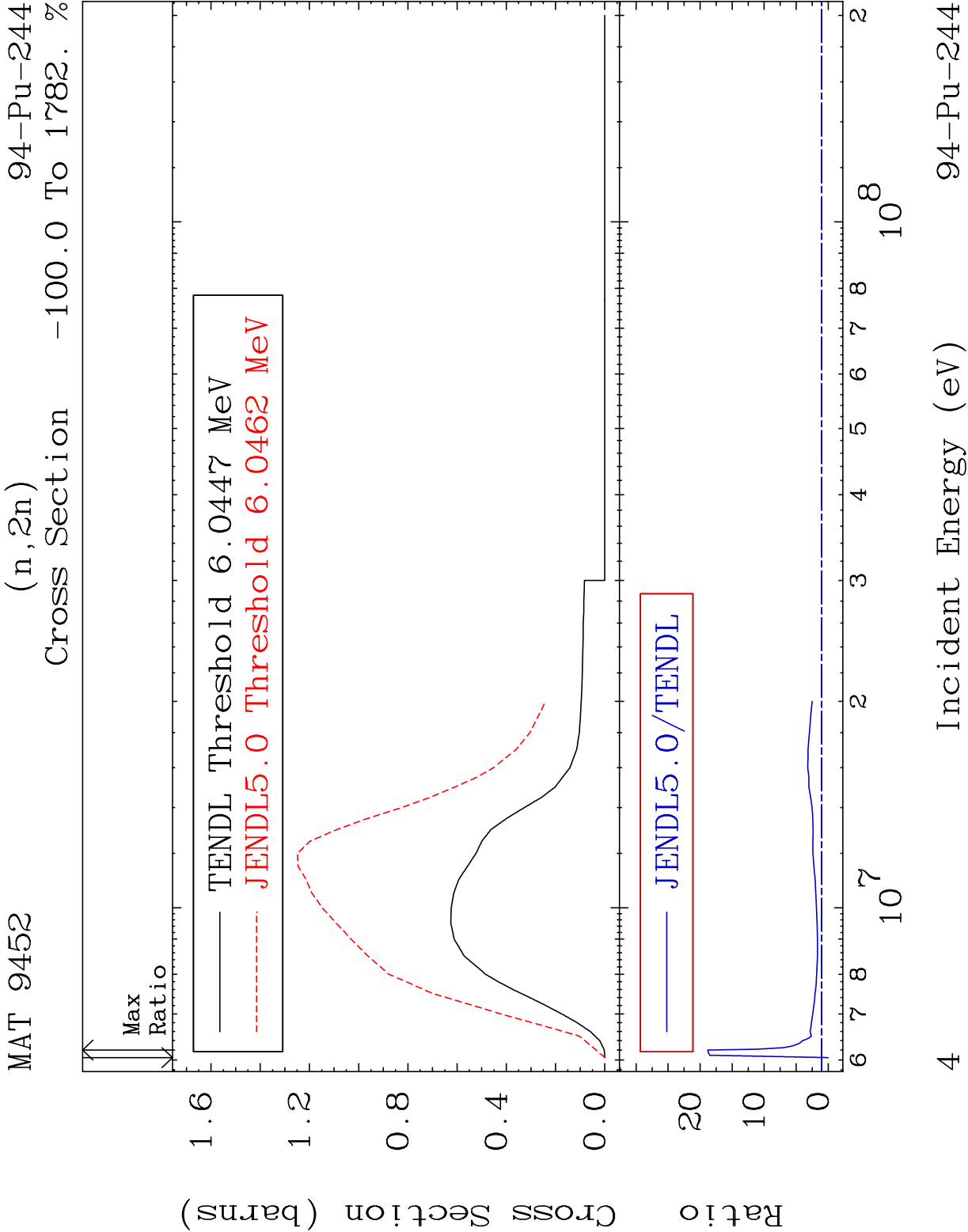
Cross Section -1.505 To 63.77 %



Incident Energy (eV)

94-Pu-244



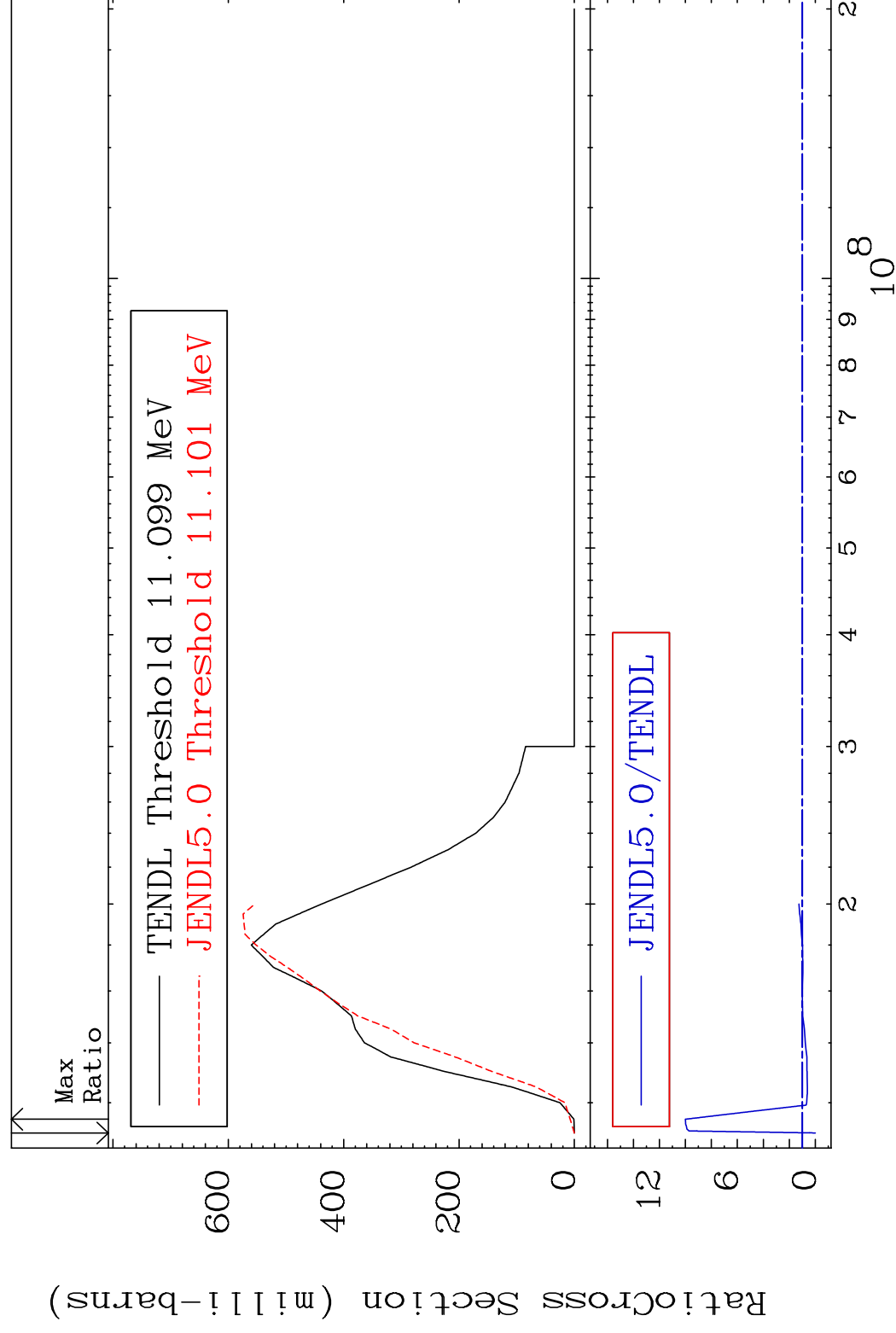


MAT 9452

$$(n, 3n)$$

94-Pu-244

Cross Section

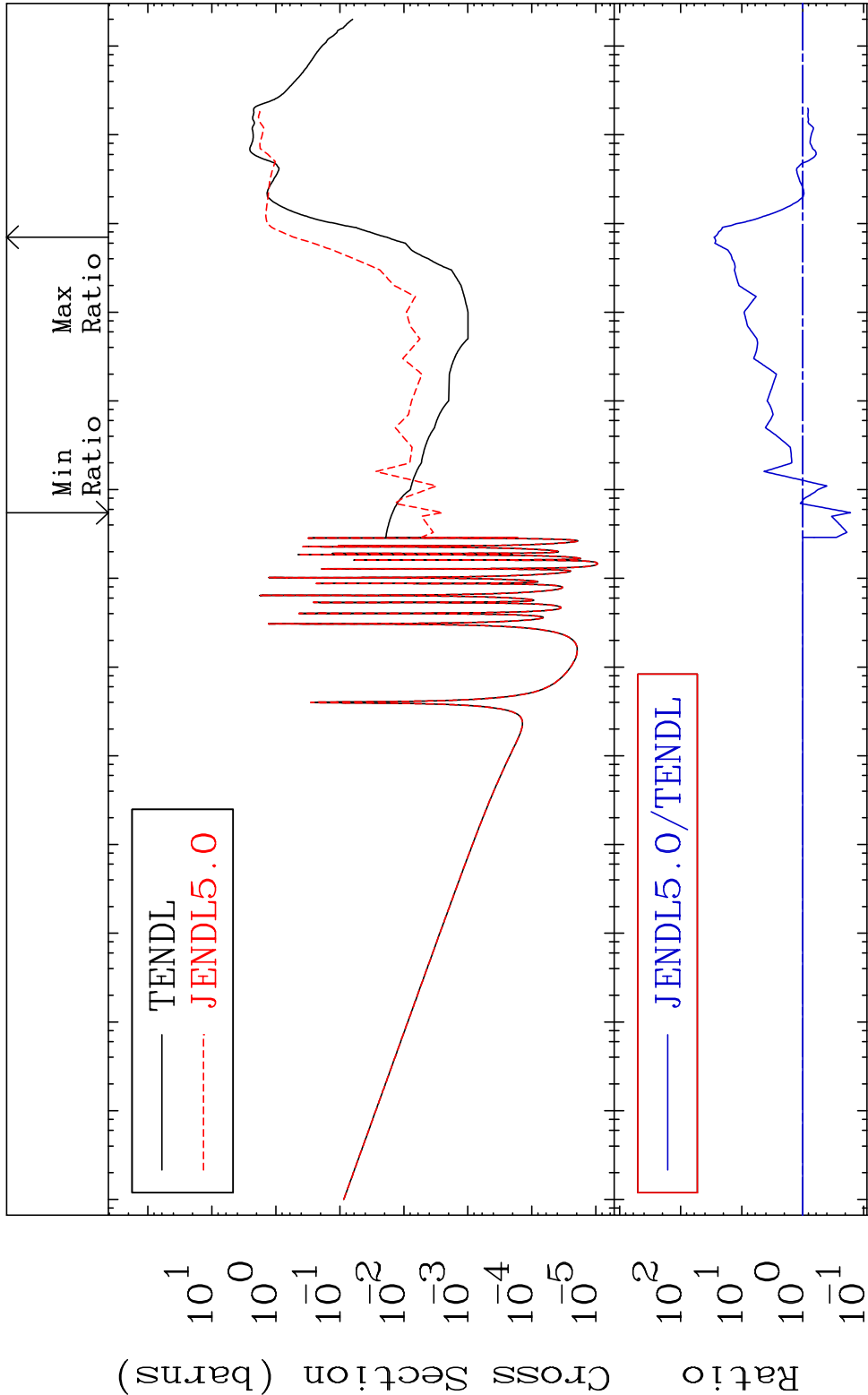


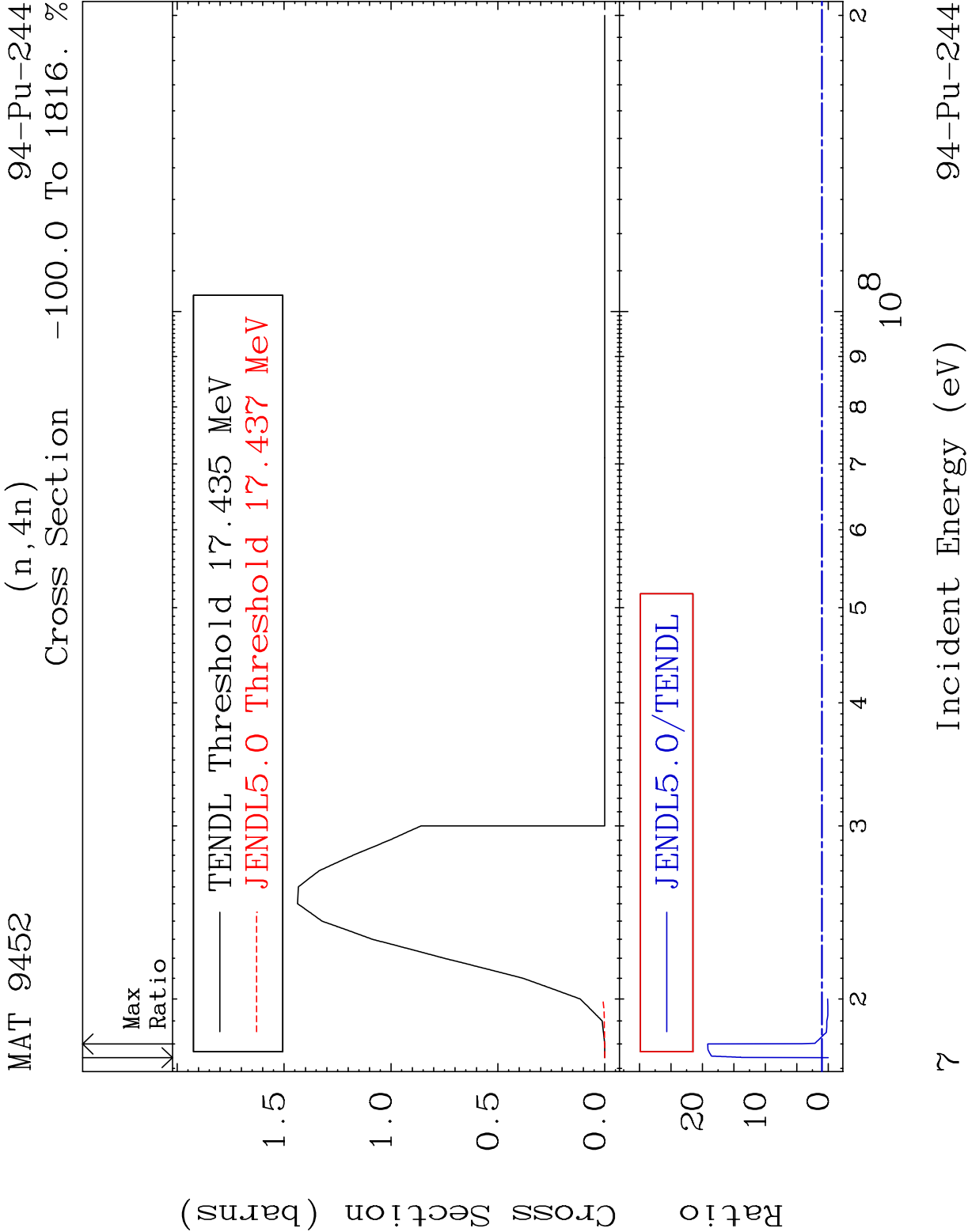
MAT 9452

Fission

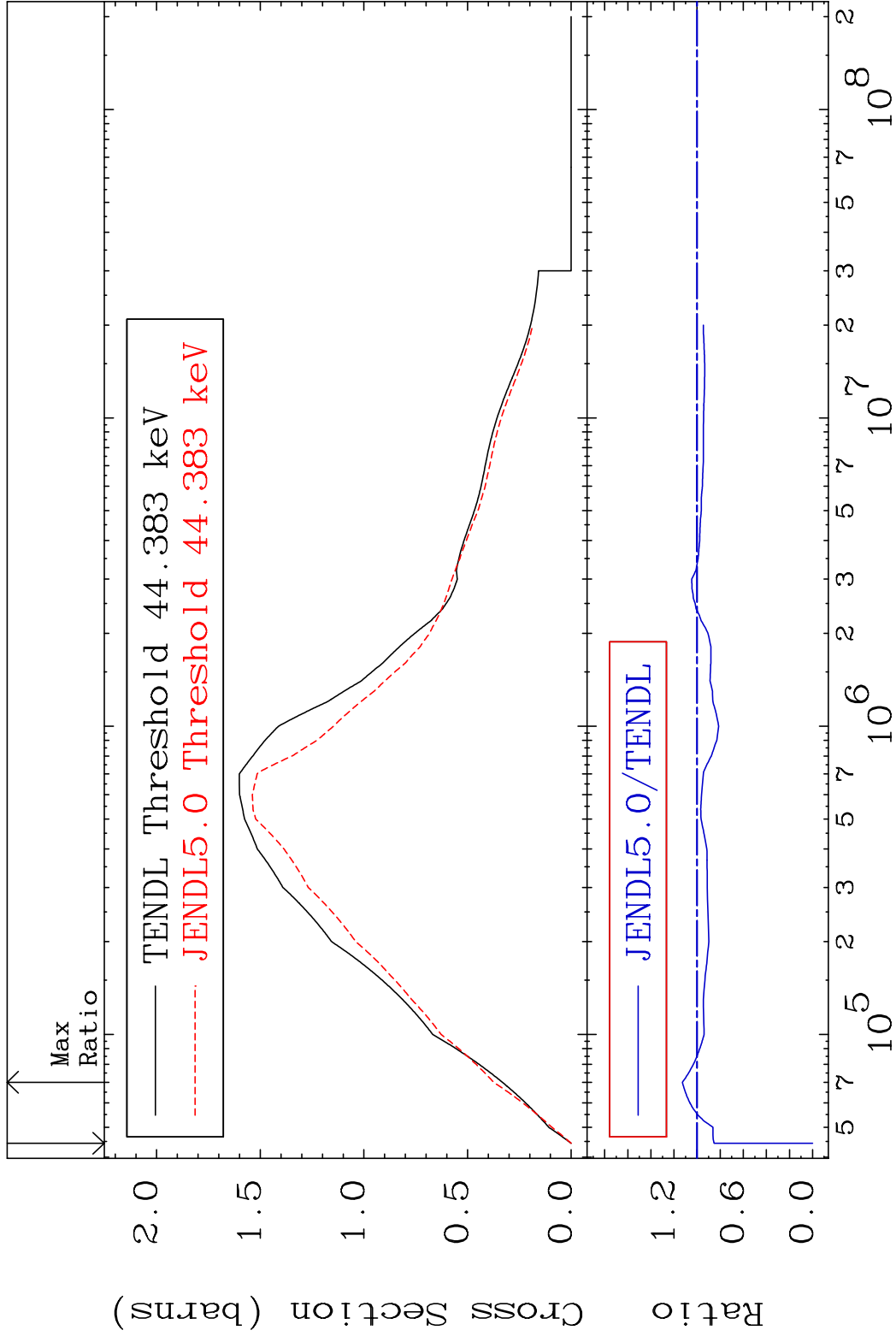
94-Pu-244

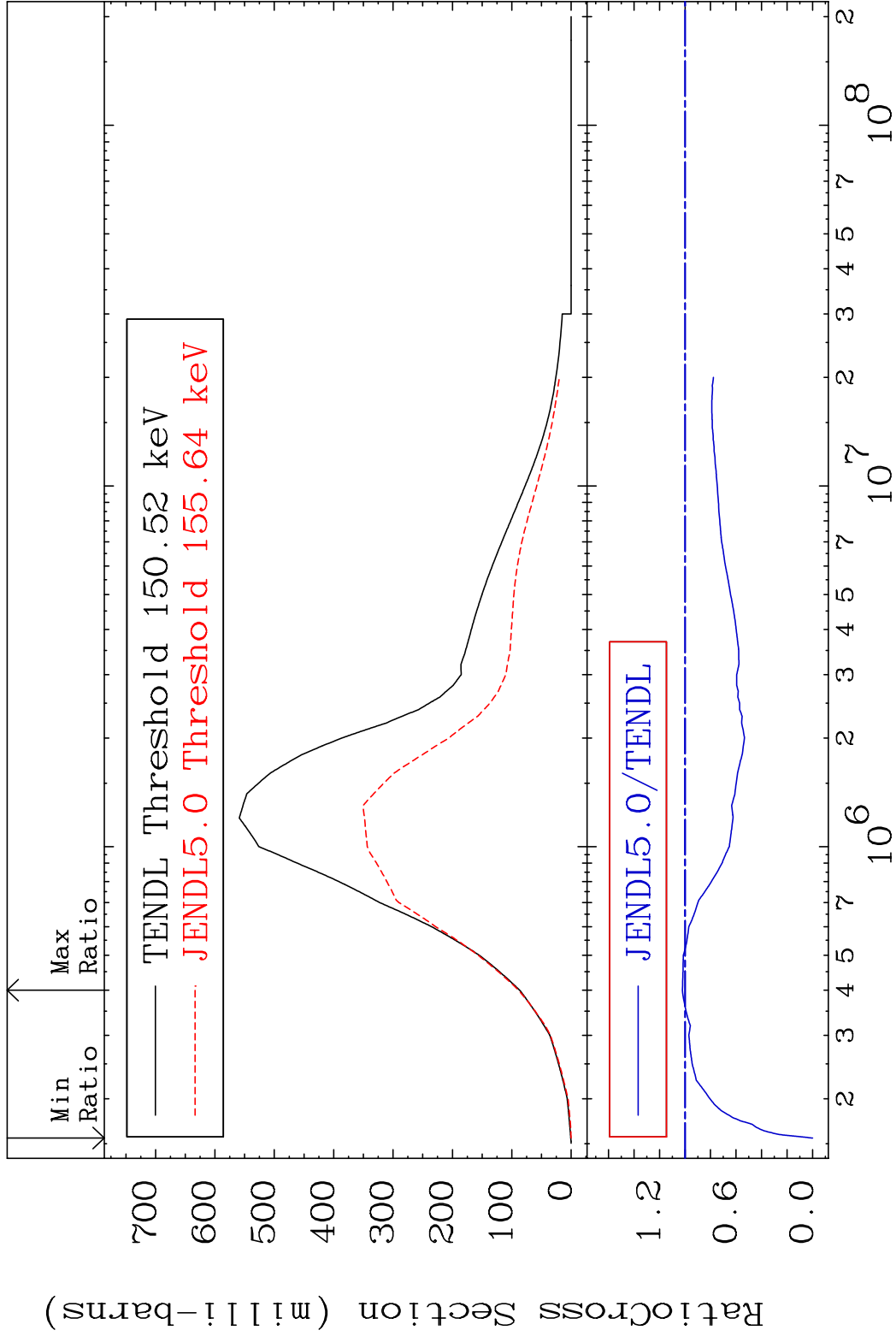
Cross Section -83.57 To 2742. %

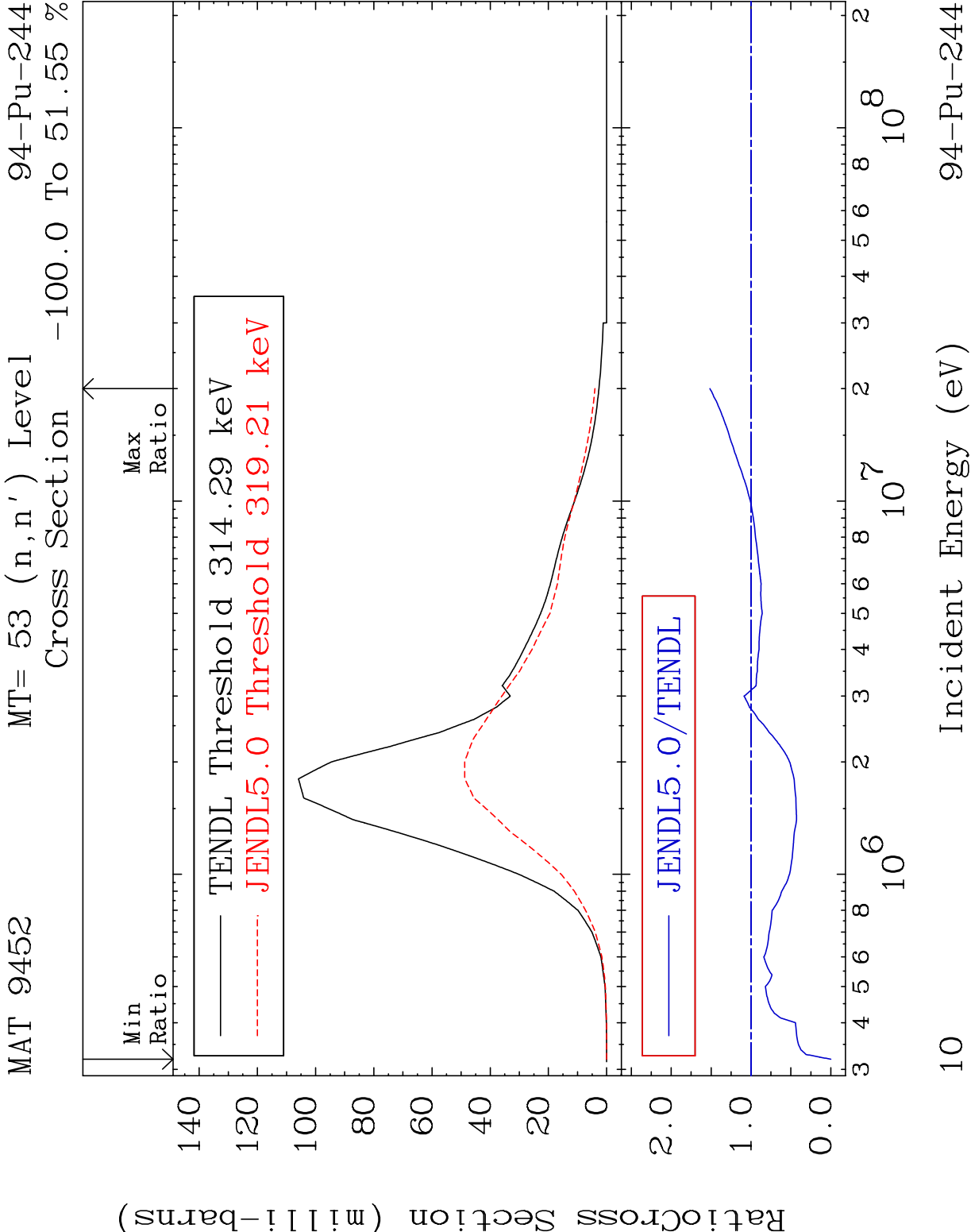




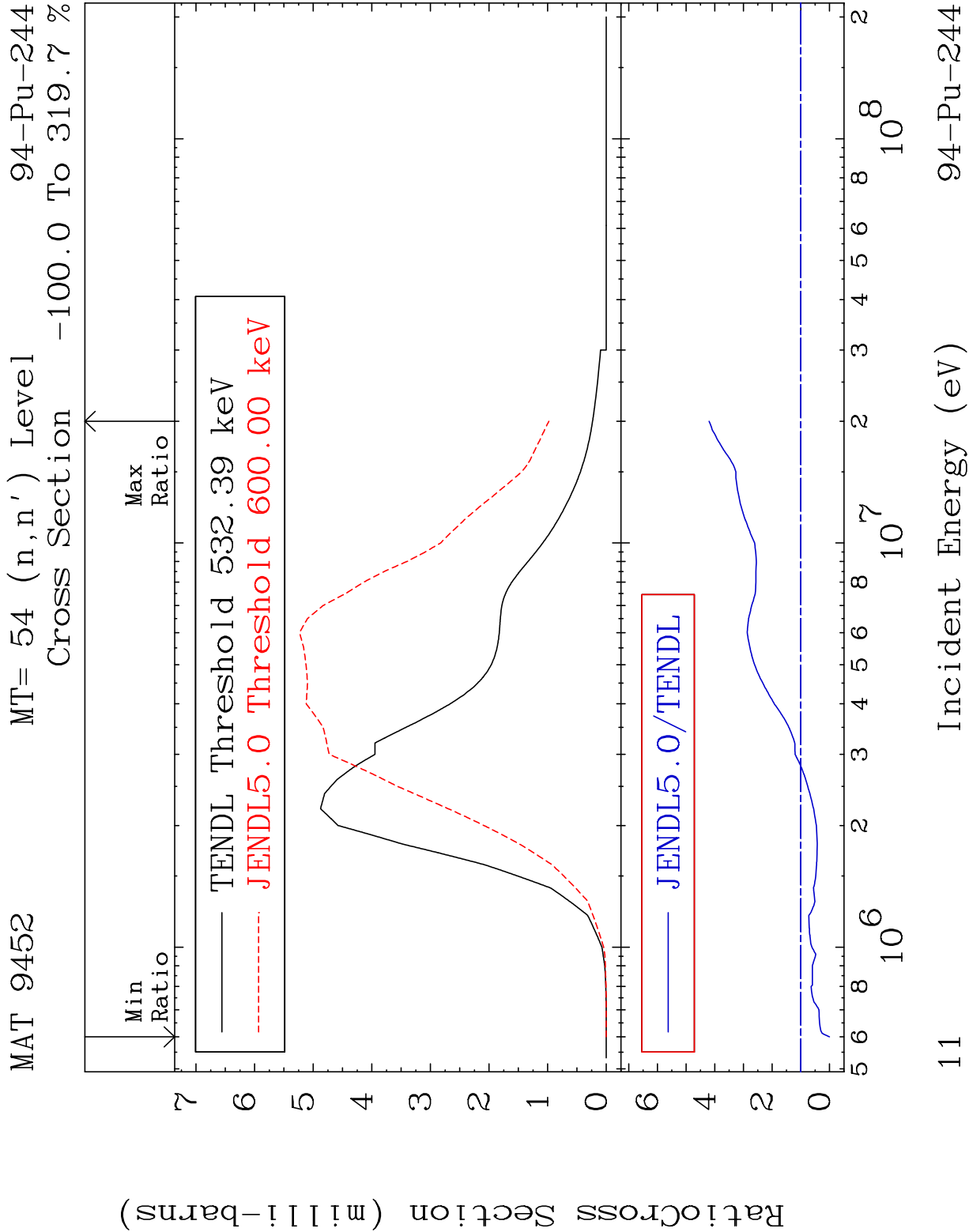
MAT 9452 MT= 51 (n,n') Level 94-Pu-244
Cross Section -100.0 To 12.77 %



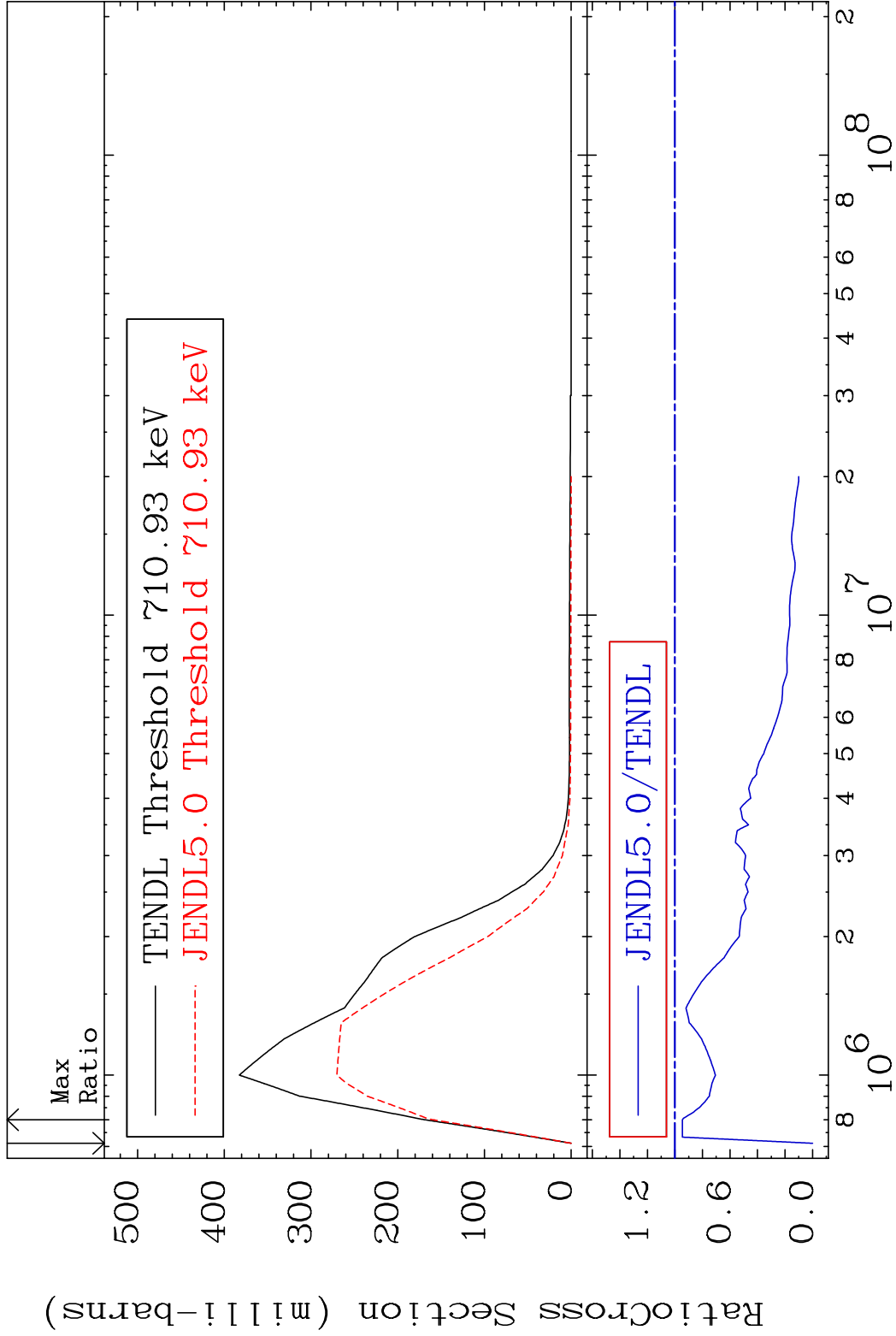




Ratio Cross Section (milli-barns)

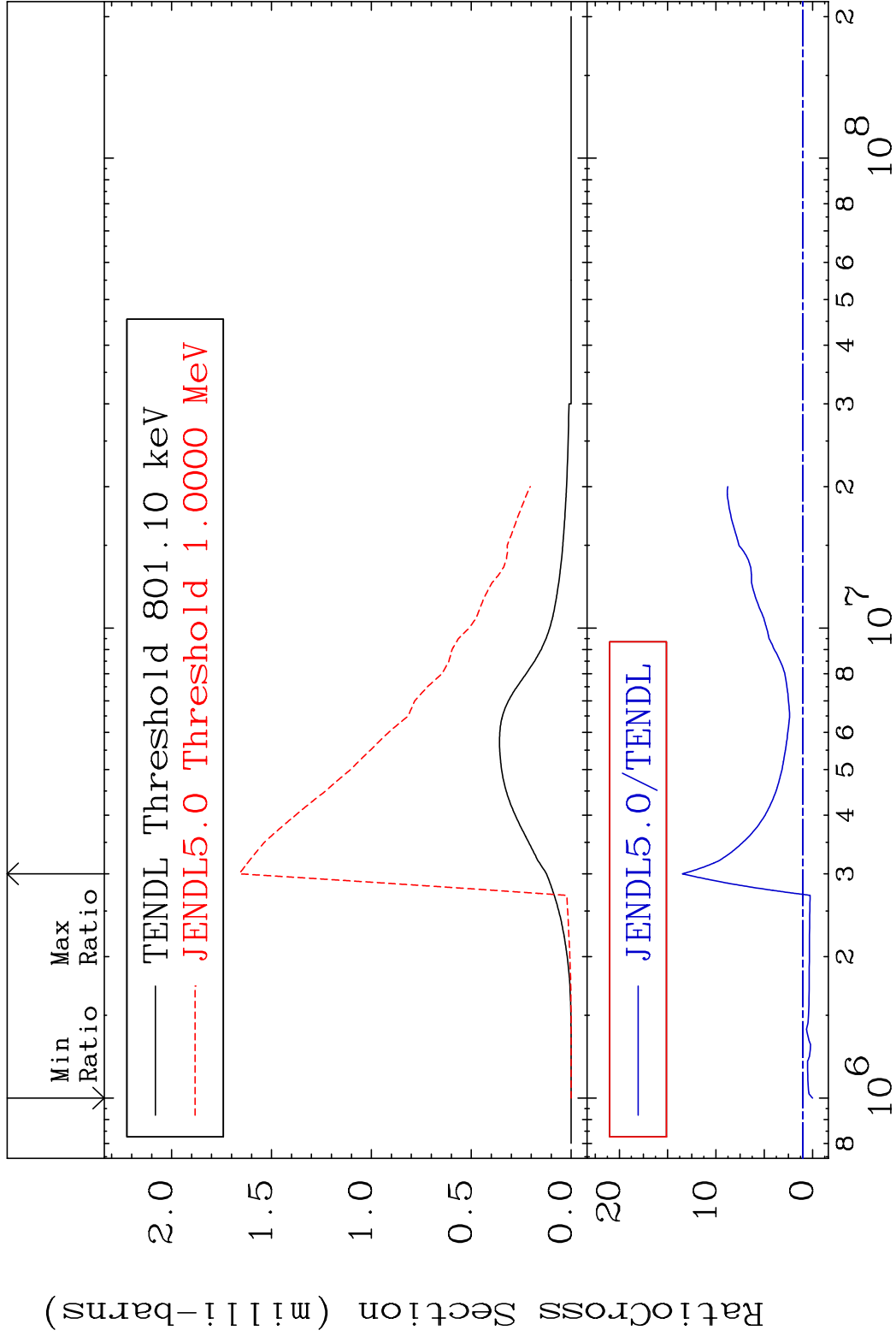


MAT 9452 MT= 55 (n,n') Level 94-Pu-244
Cross Section -100.0 To -5.385%



12 Incident Energy (eV) 94-Pu-244

MAT 9452 MT= 56 (n,n') Level 94-Pu-244
Cross Section -100.0 To 1248. %



13 Incident Energy (eV) 94-Pu-244

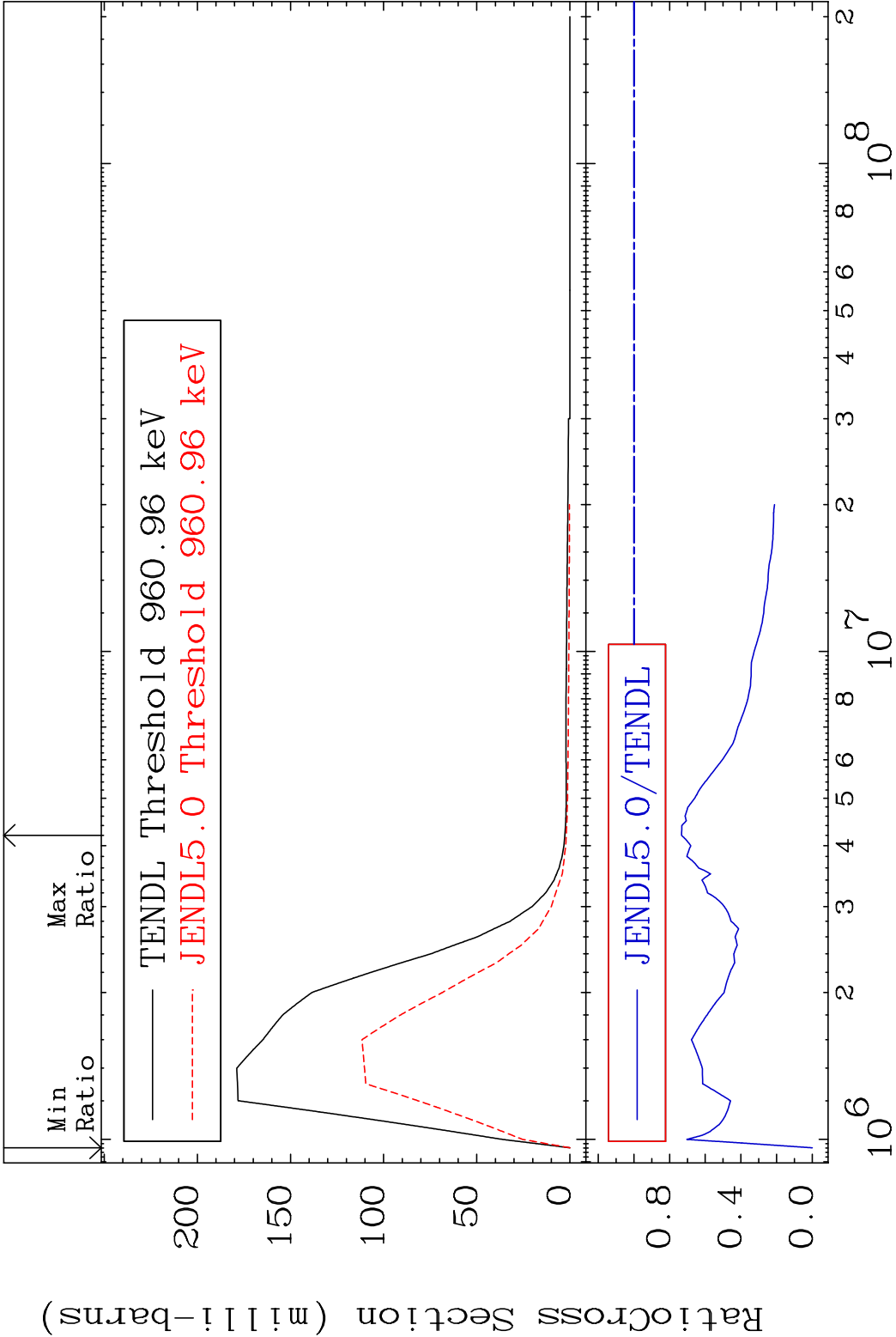
MAT 9452

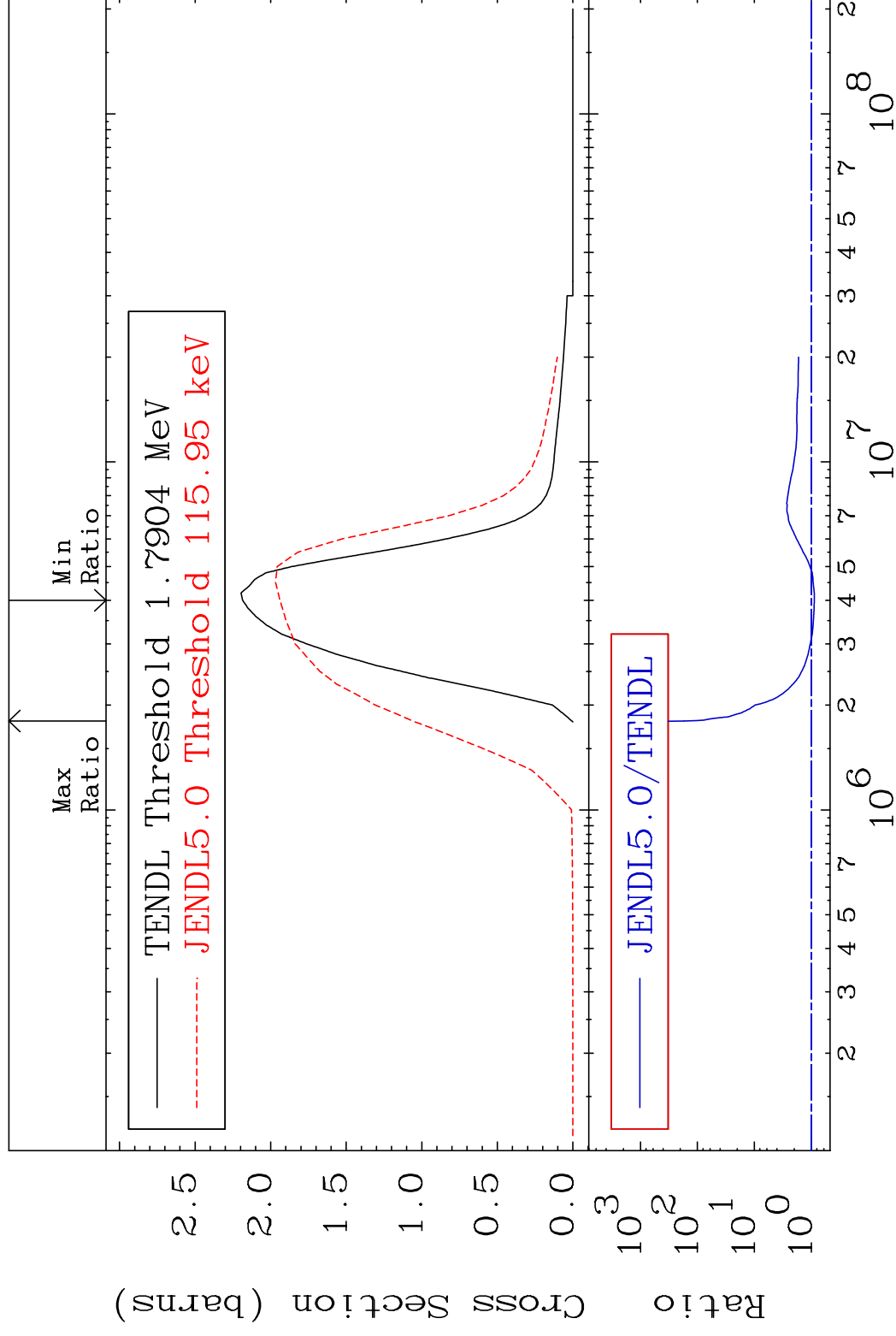
MT= 57 (n,n') Level

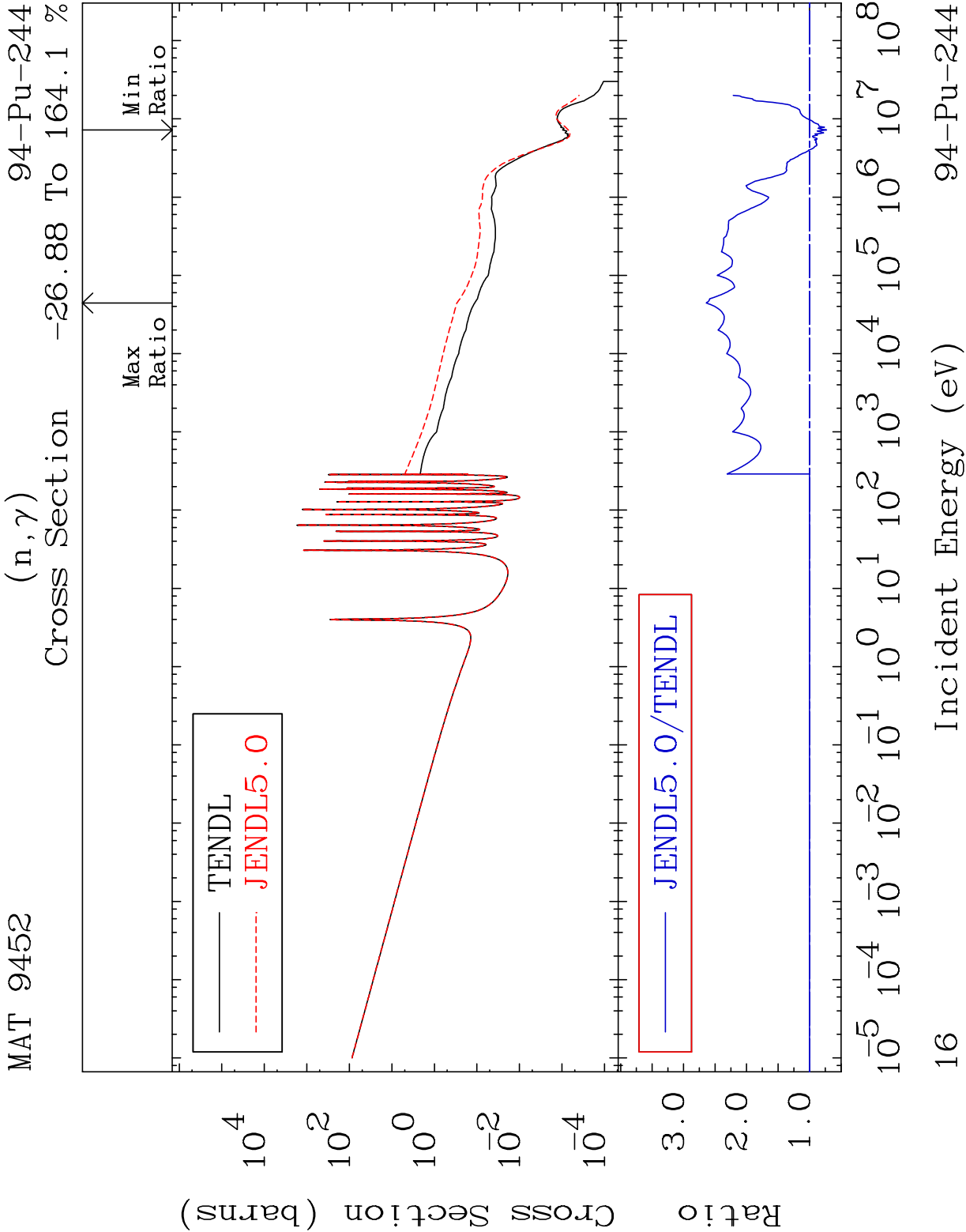
94-Pu-244

Cross Section

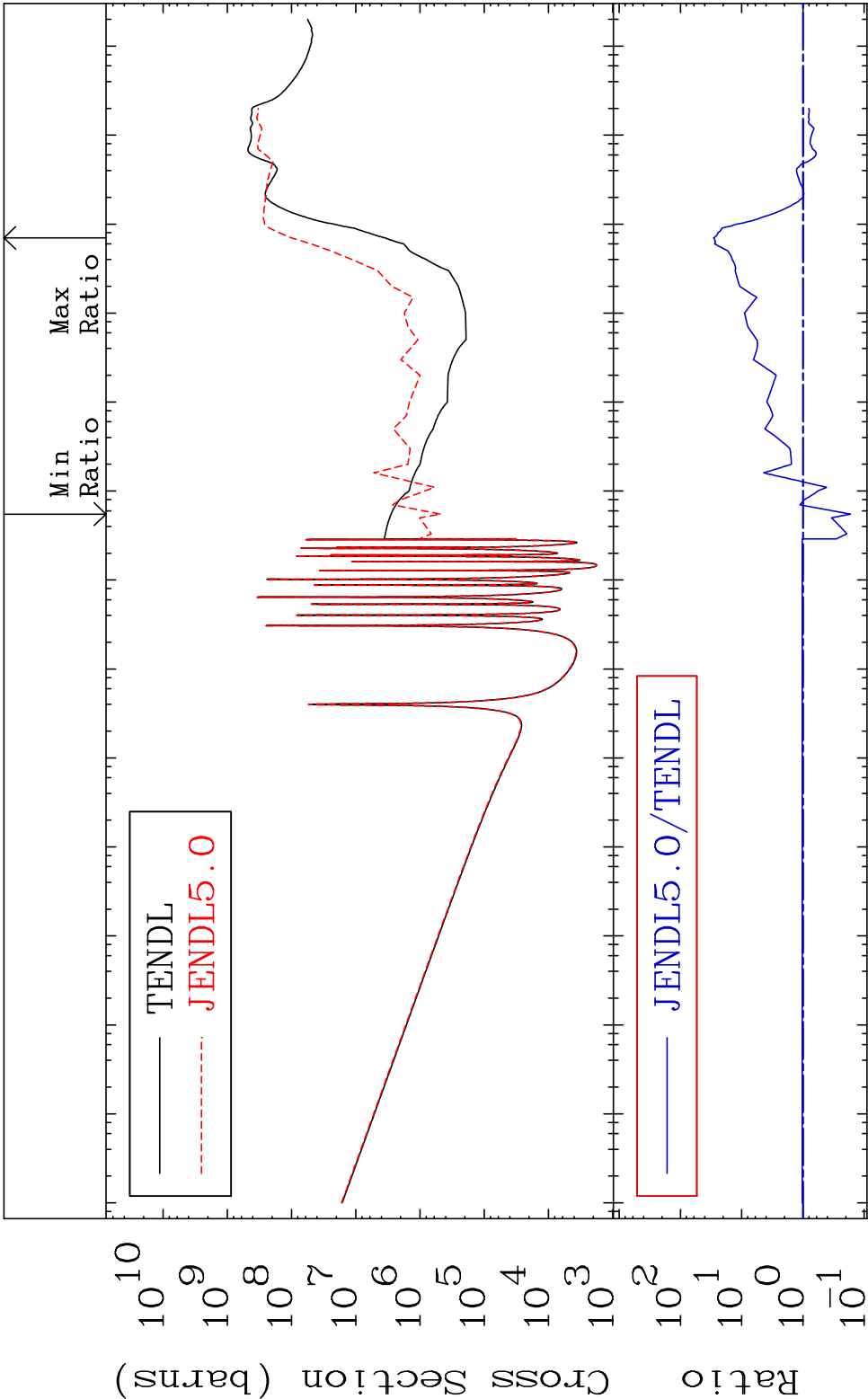
-100.0 To -26.70%

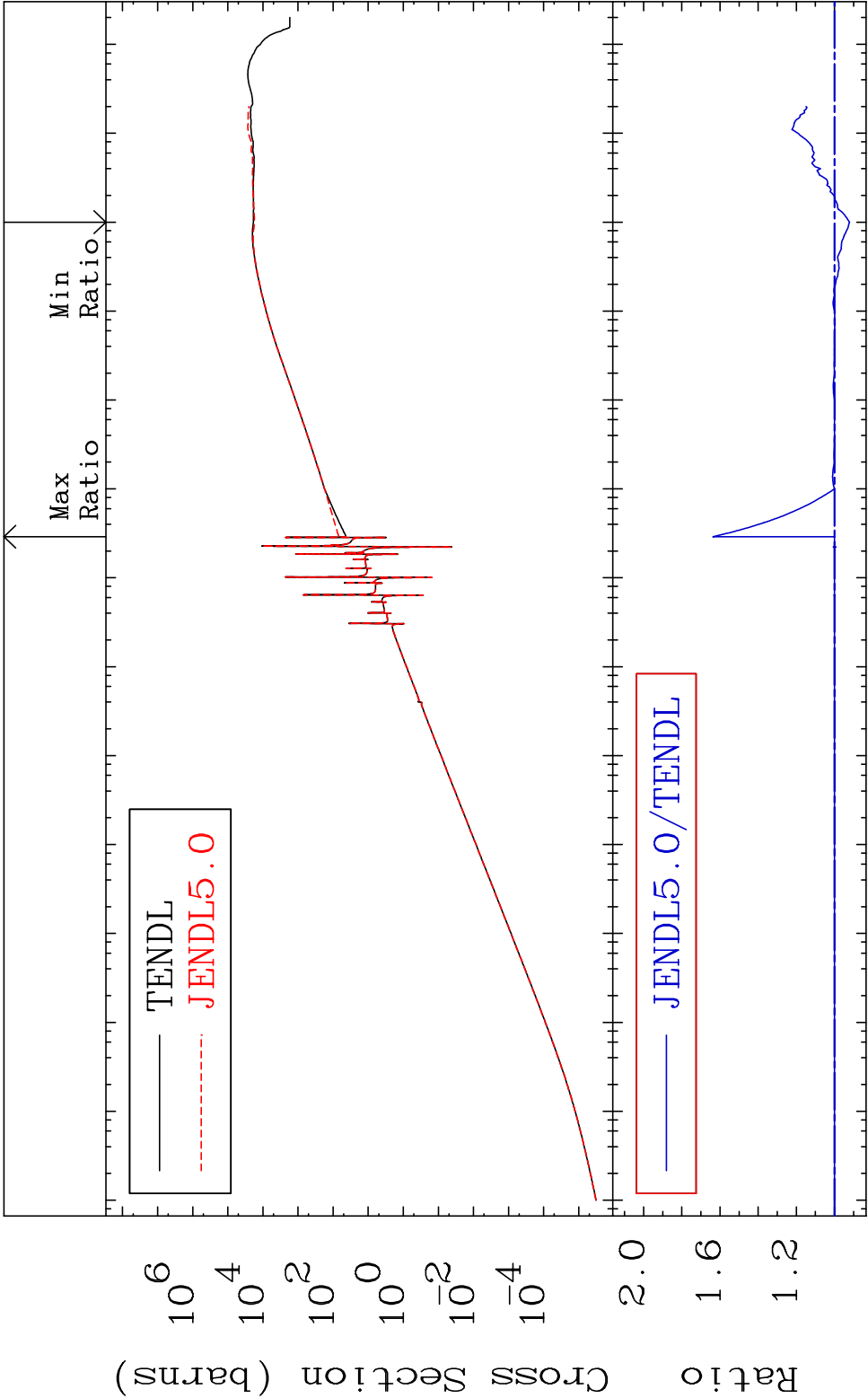


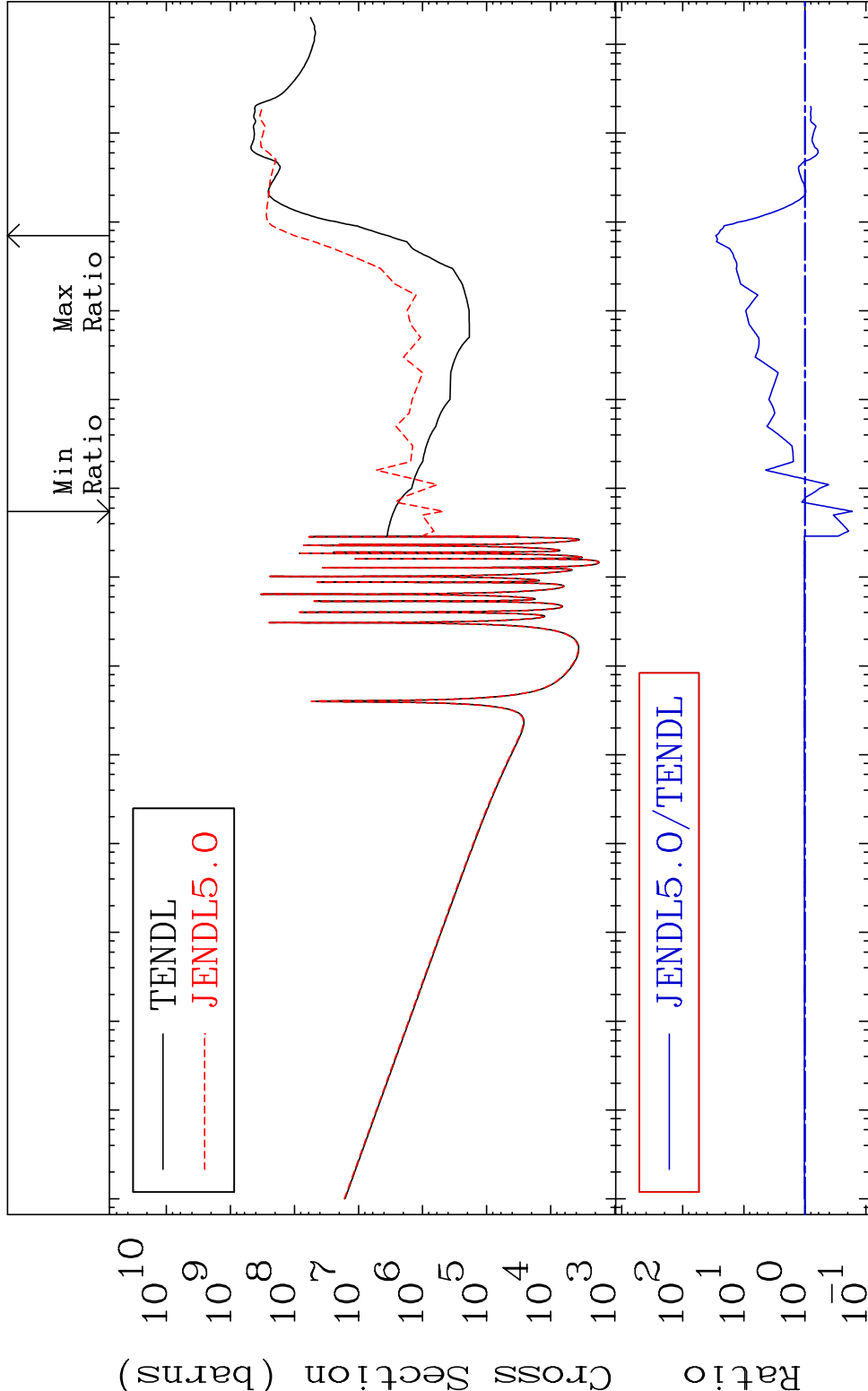


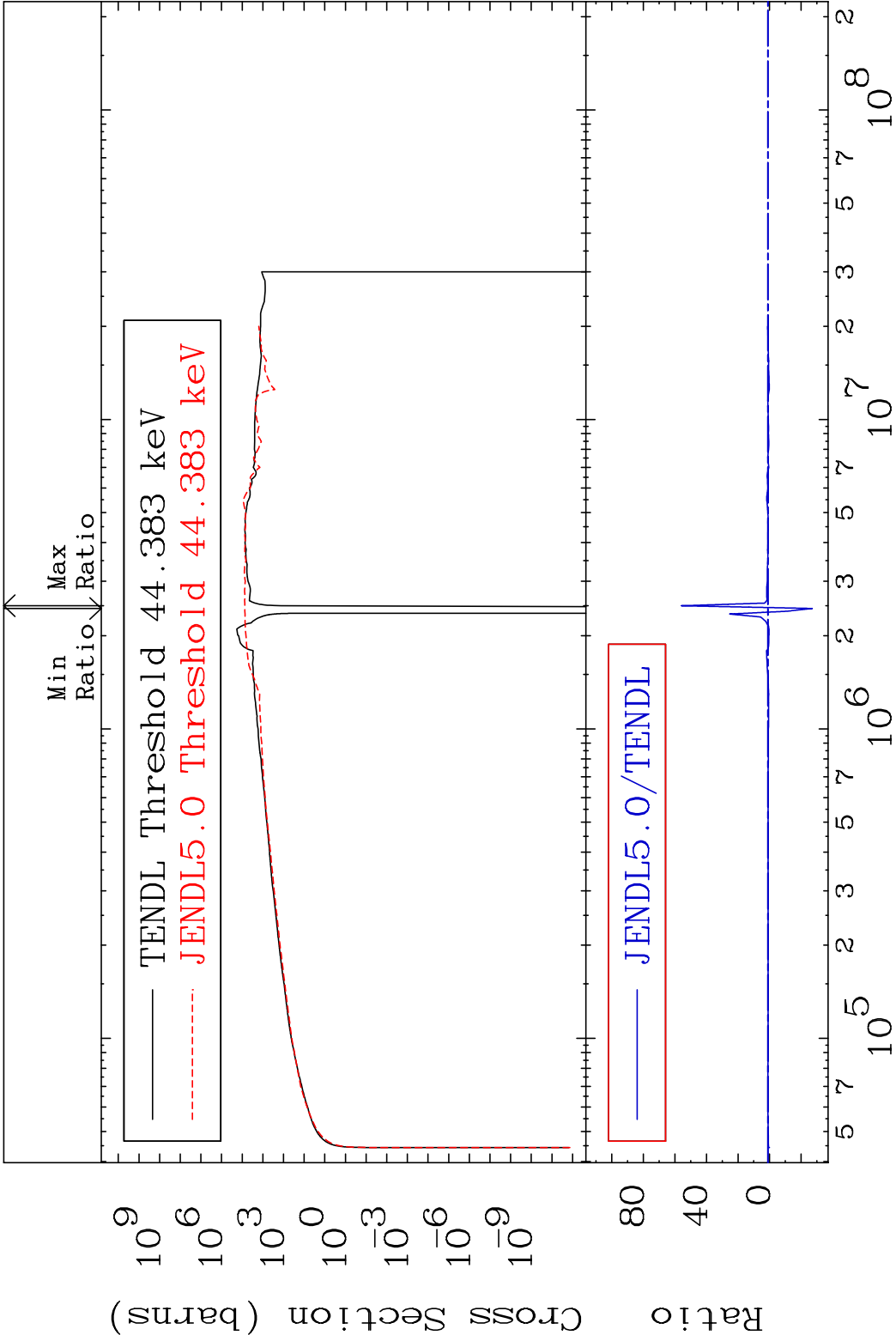


MAT 9452 Kerma total (eV-barns) 94-Pu-244
Cross Section -83.18 To 2780. %

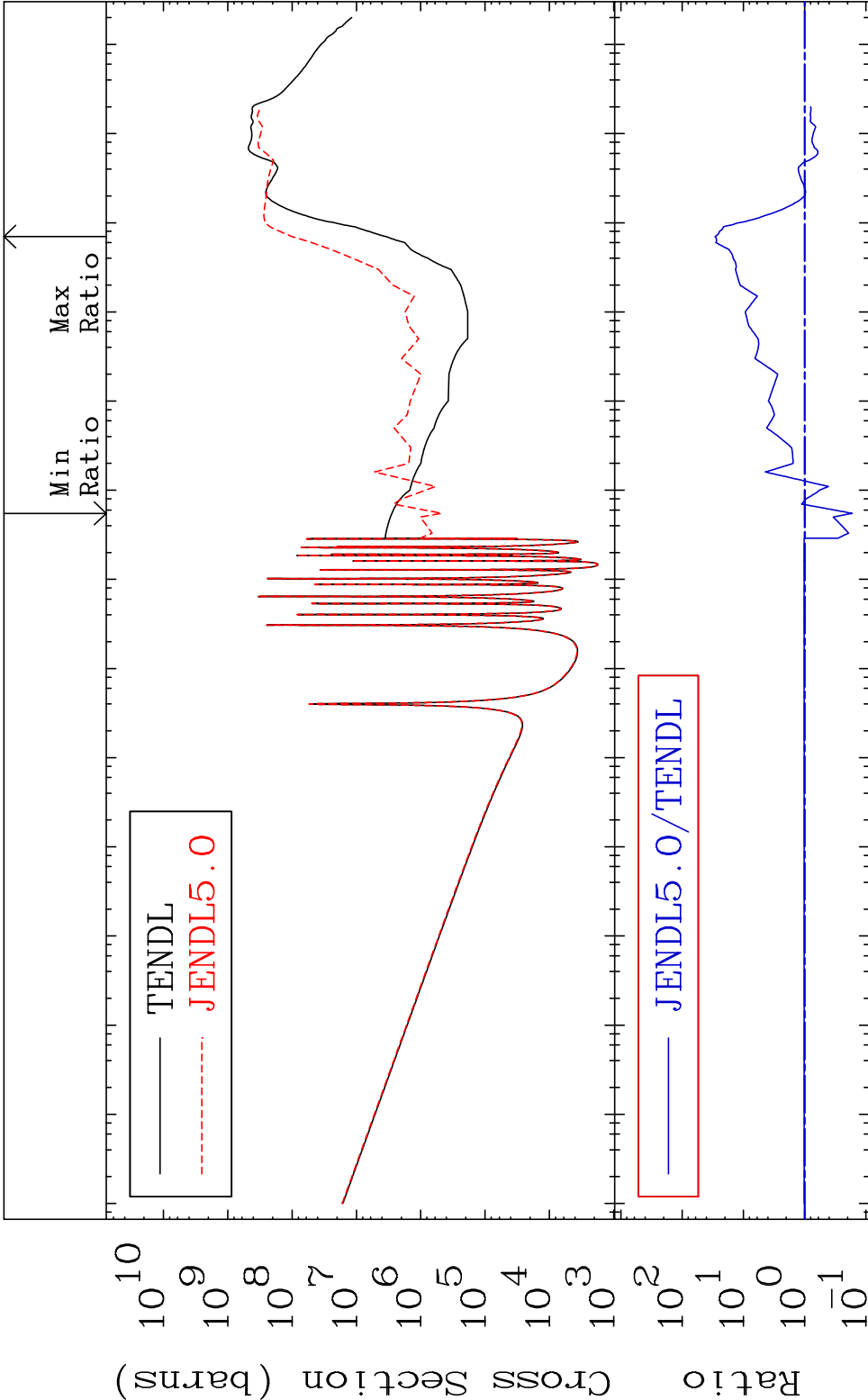




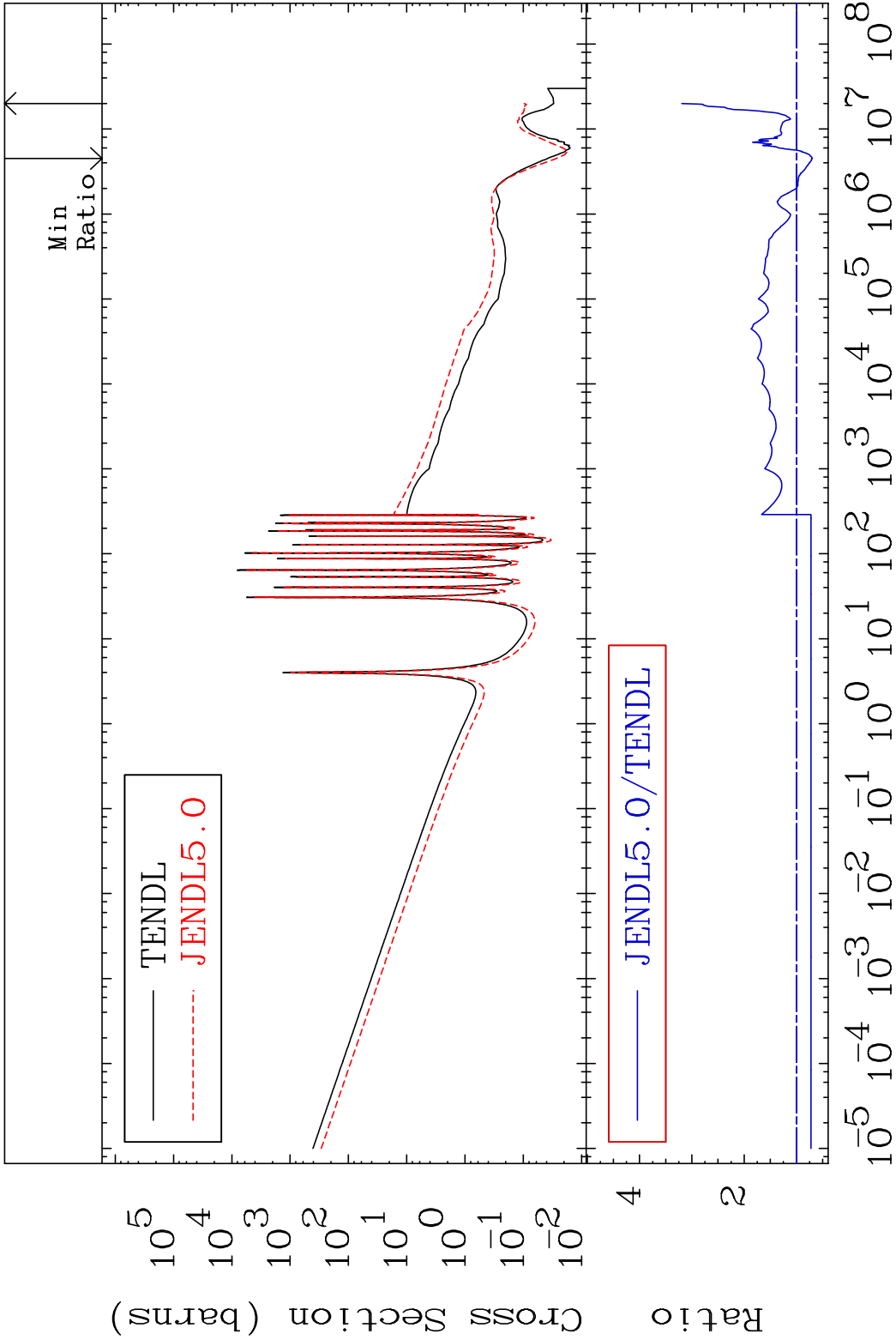




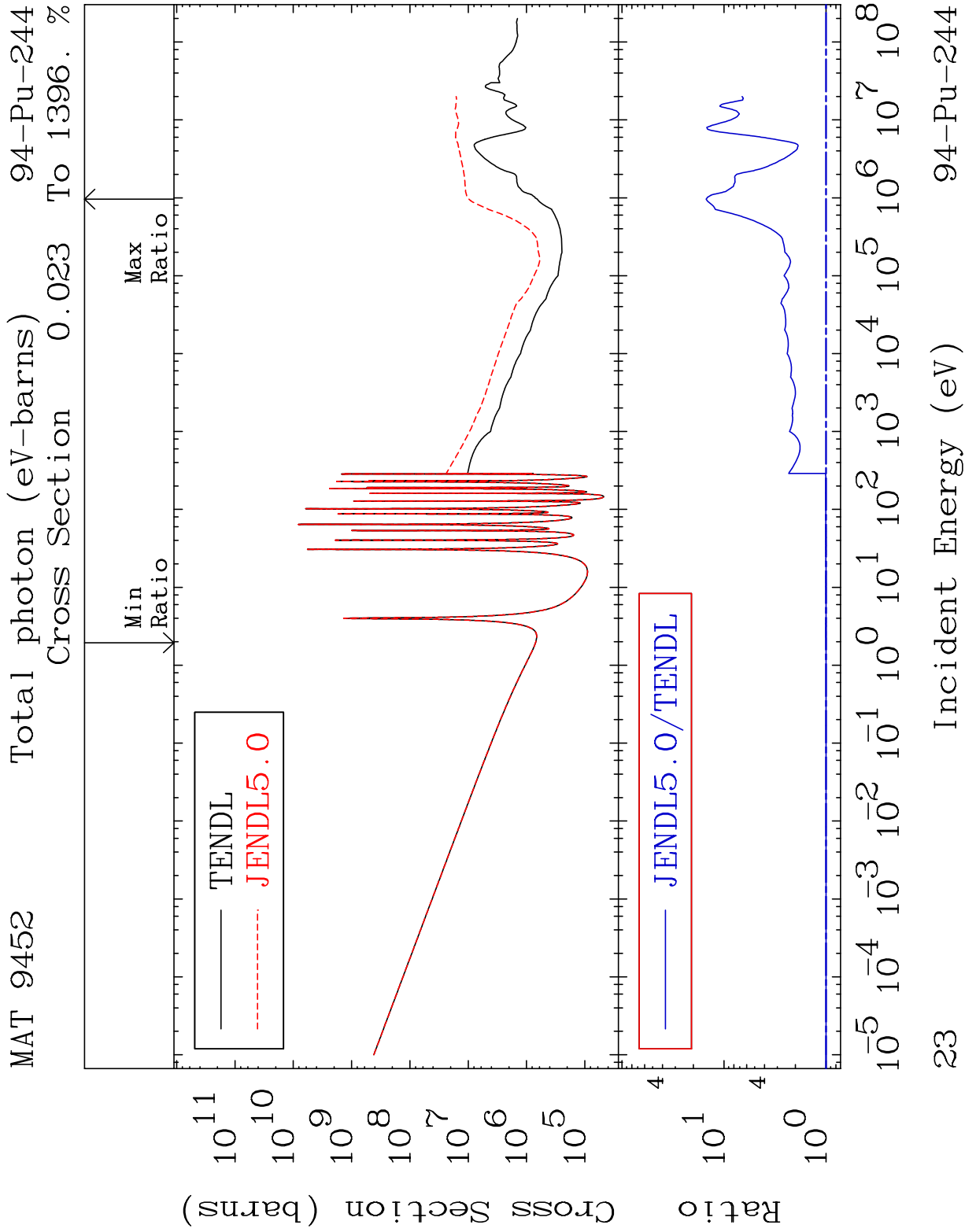
MAT 9452Kerma fission (mt18 or mt19-20-21-38)94-Pu-244
Cross Section -83.18 To 2804. %



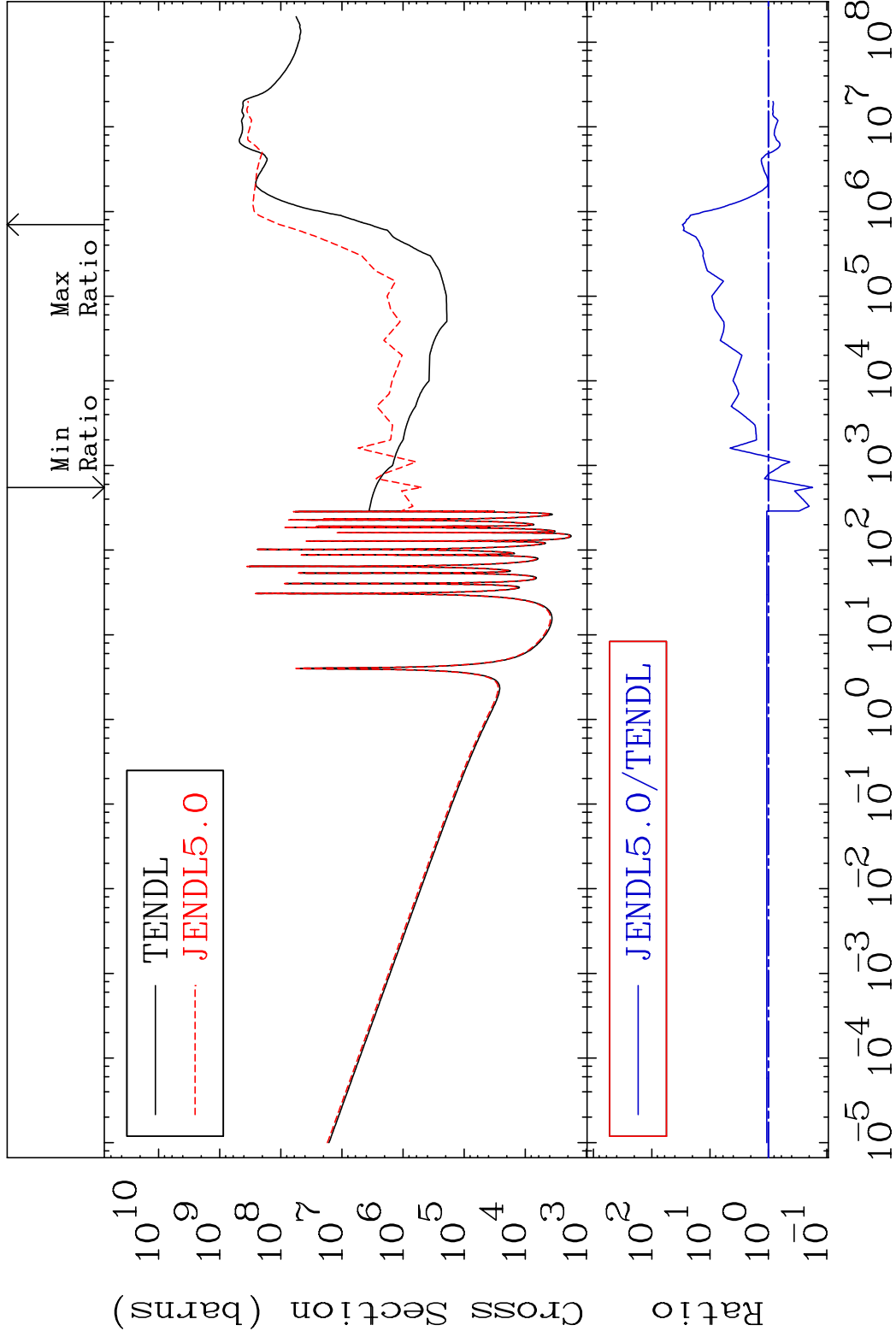
MAT 9452 Kerma capture (mt102) 94-Pu-244
Cross Section -30.28 To 219.4 %



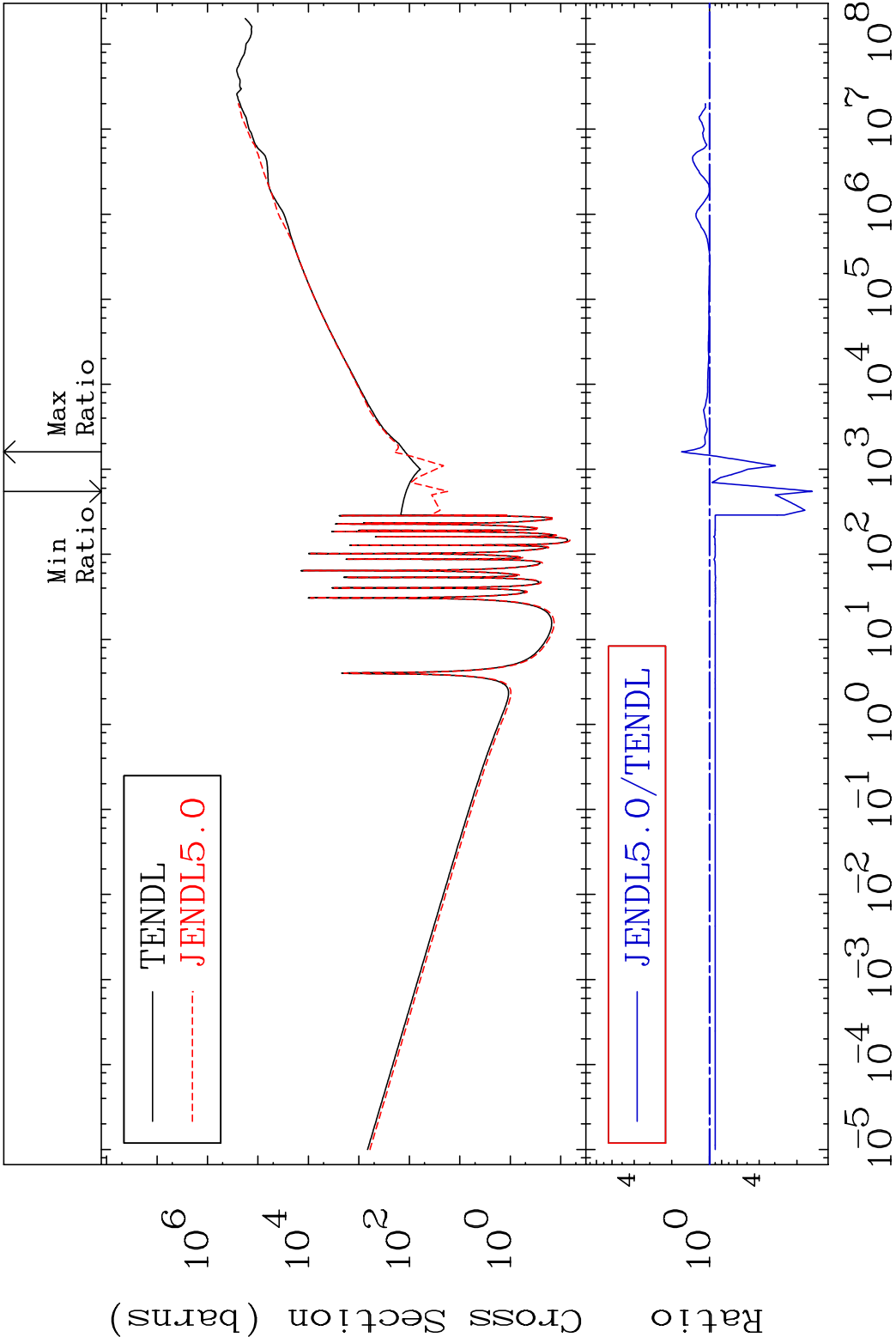
22 Incident Energy (eV) 94-Pu-244



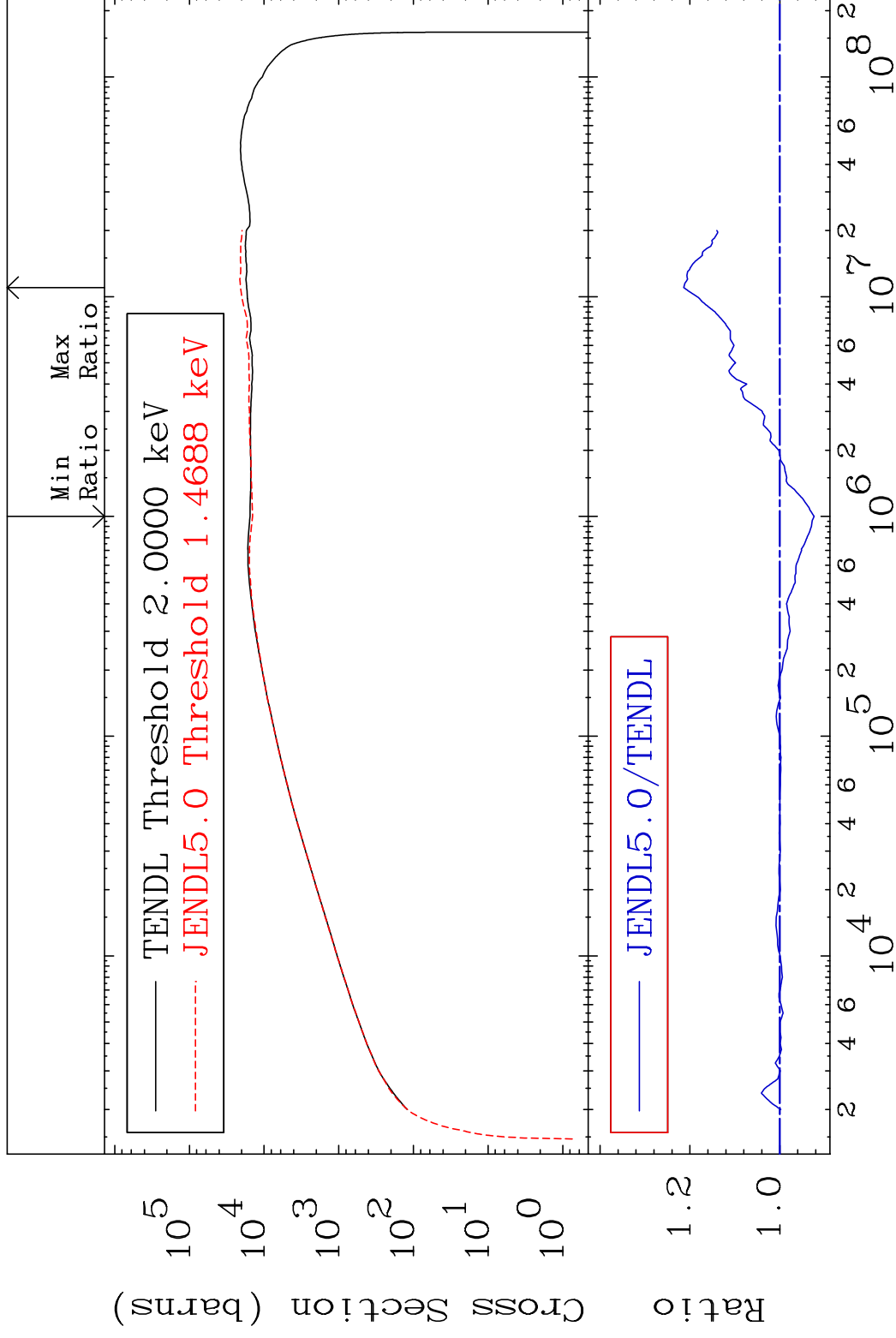
MAT 9452 Total kinematic kerma (high limit) 94-Pu-244
Cross Section -82.56 To 2886. %

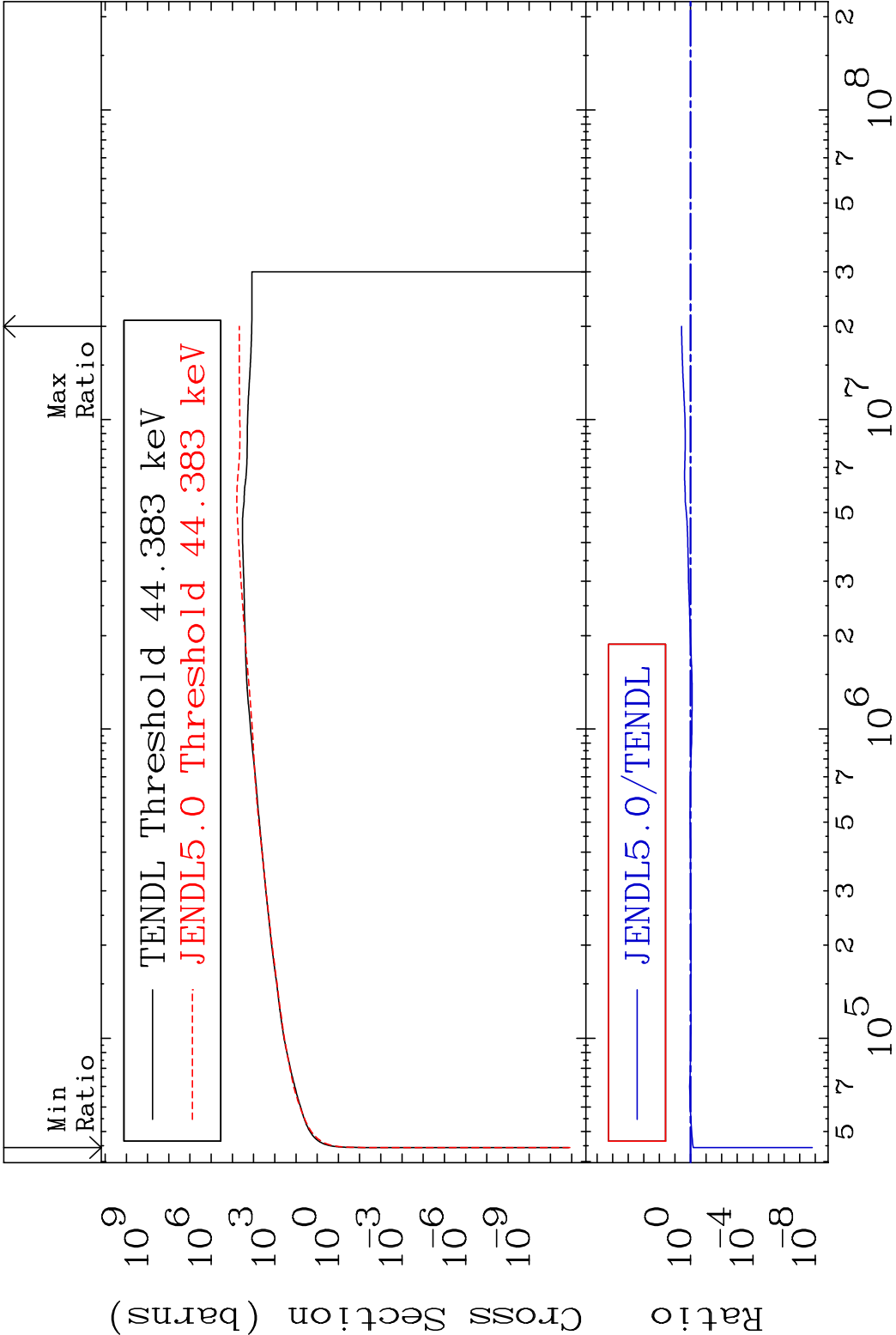


MAT 9452 Dpa total (eV-barns) 94-Pu-244
Cross Section -84.93 To 67.00 %

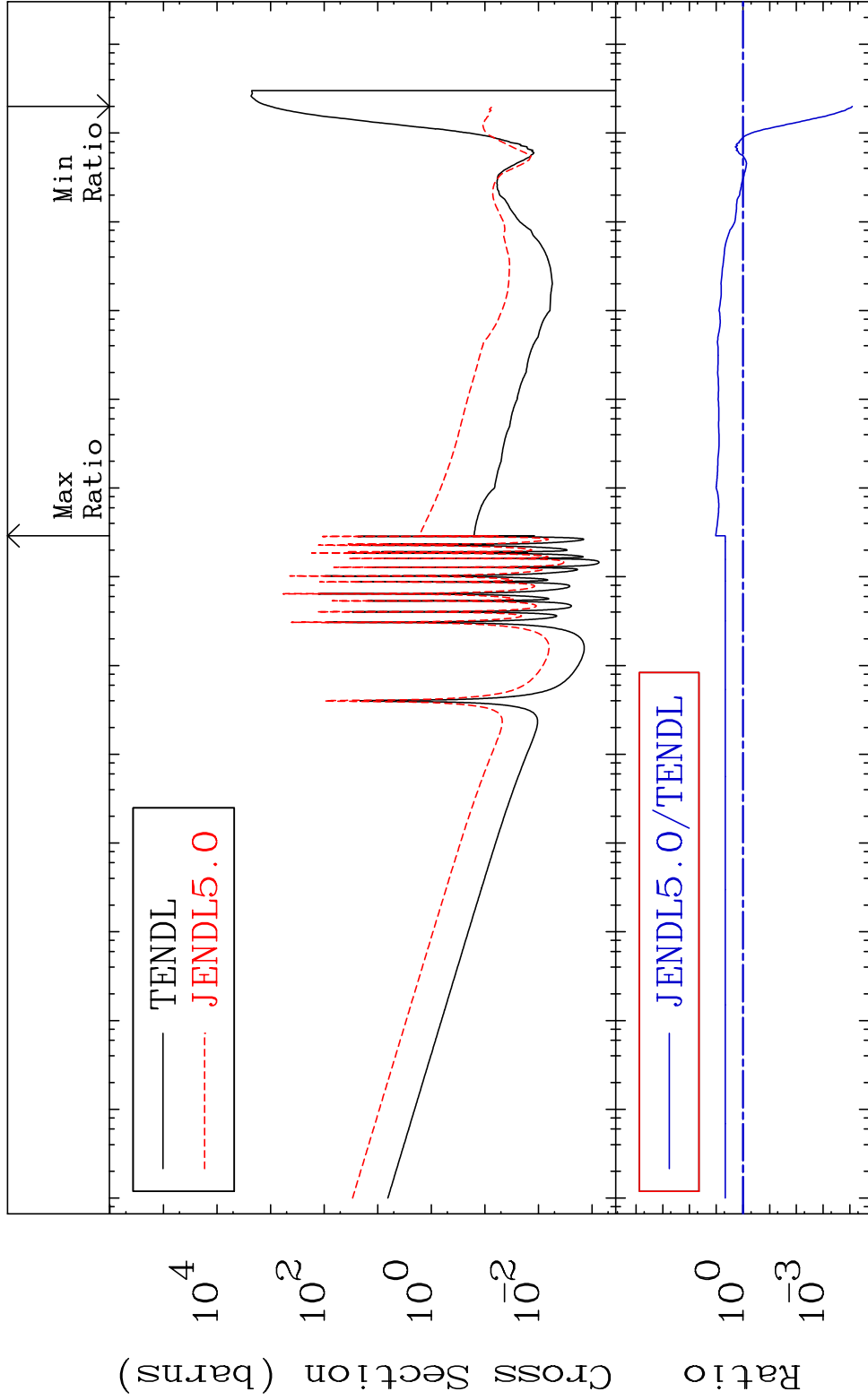


25 Incident Energy (eV) 94-Pu-244





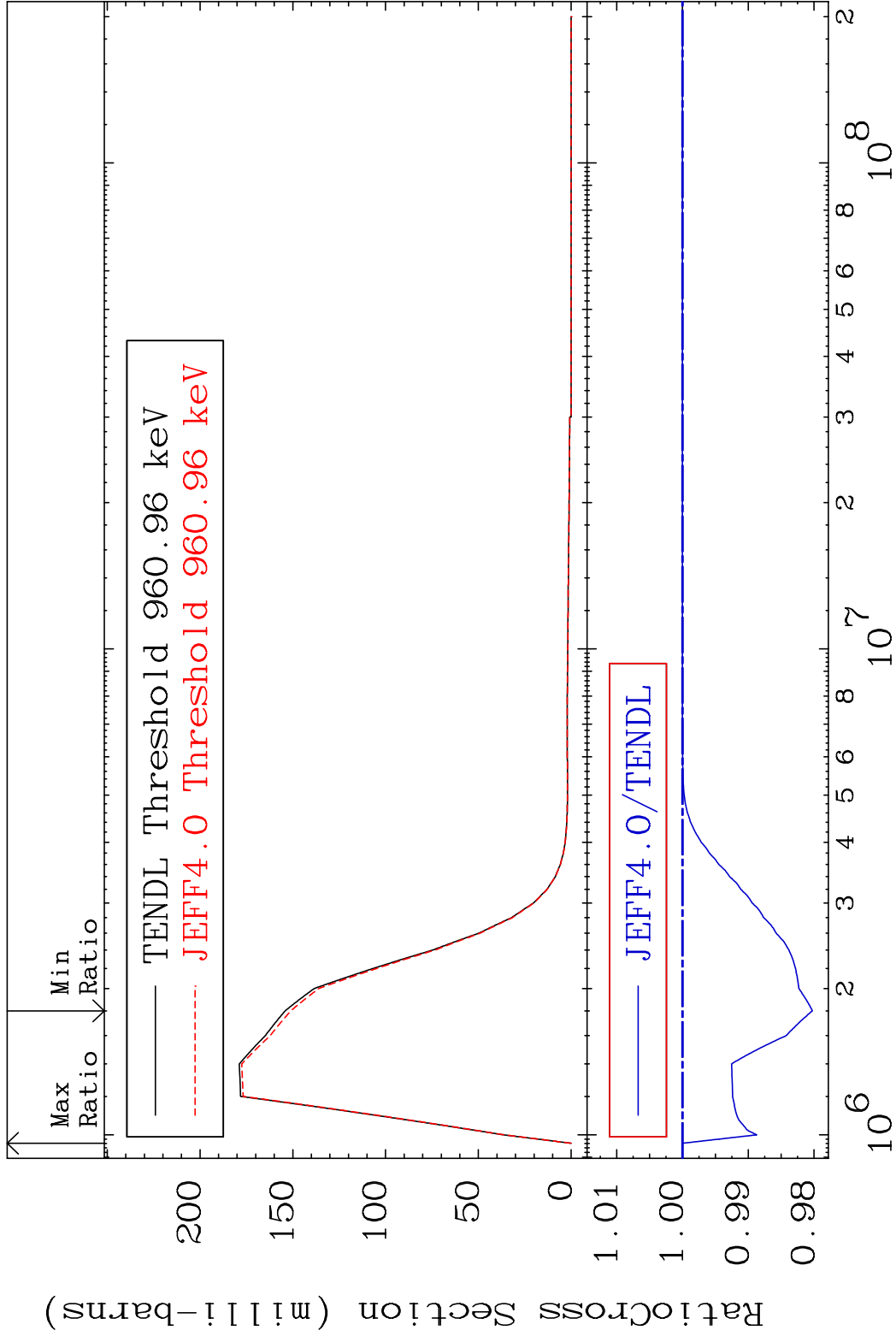
MAT 9452 Dpa disappearance (mt102 -120) 94-Pu-244
Cross Section -99.99 To 950.1 %



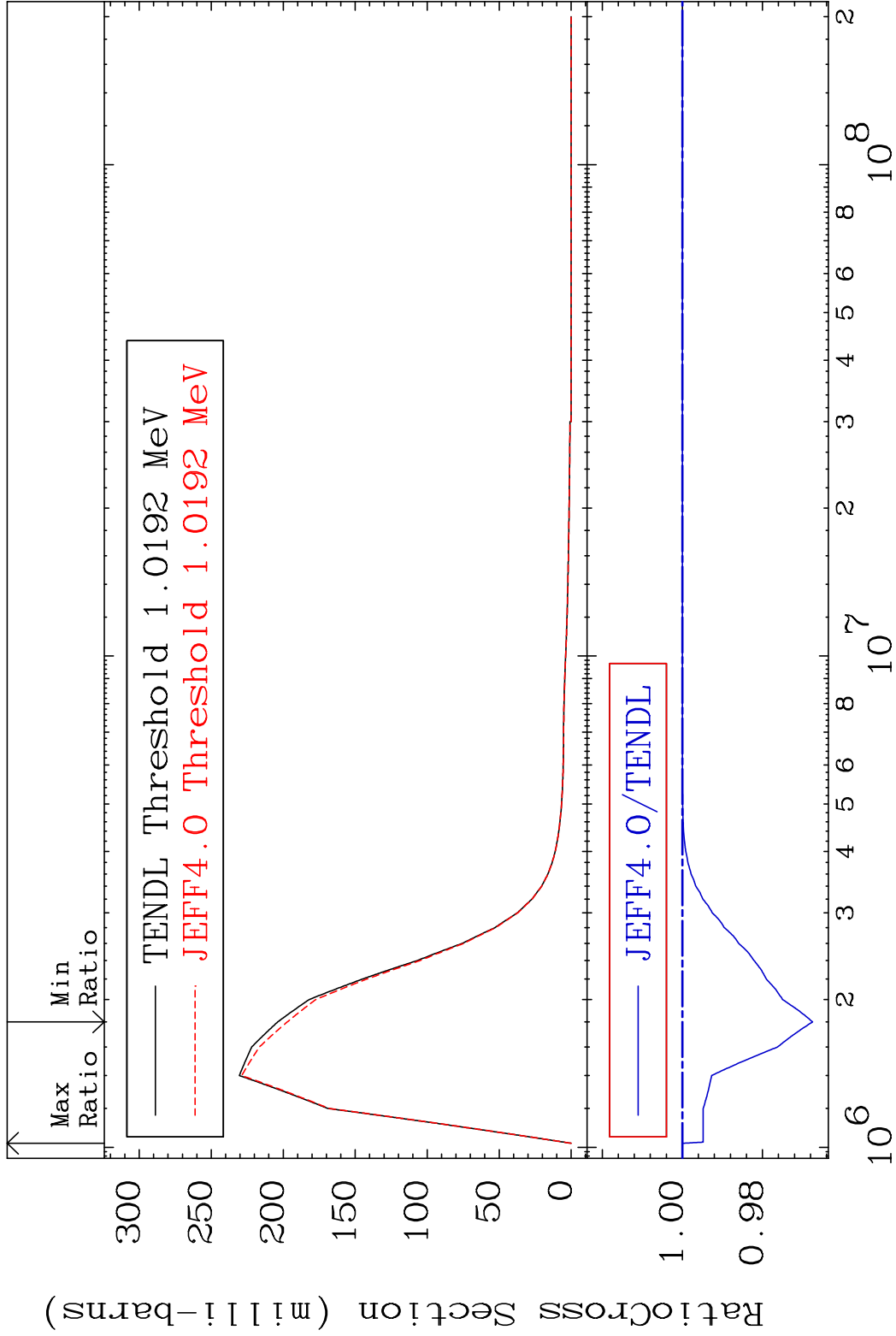
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

28 Incident Energy (eV) 94-Pu-244

MAT 9452 MT= 57 (n,n') Level 94-Pu-244
Cross Section -1.976 To 0.000 %



MAT 9452 MT= 58 (n,n') Level 94-Pu-244
Cross Section -3.251 To 0.000 %



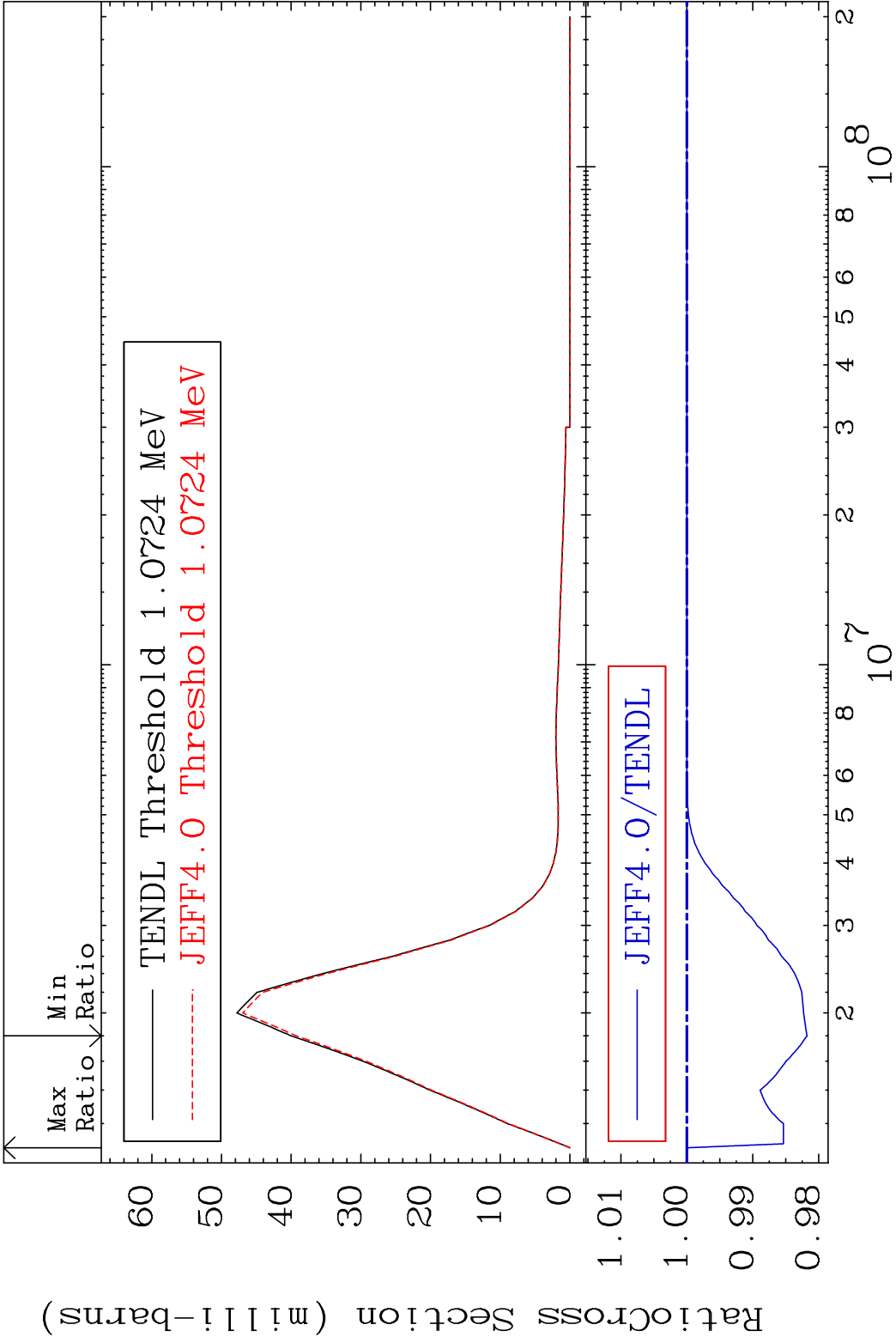
MAT 9452

MT= 59 (n,n') Level

94-Pu-244

Cross Section

-1.822 To 0.000 %



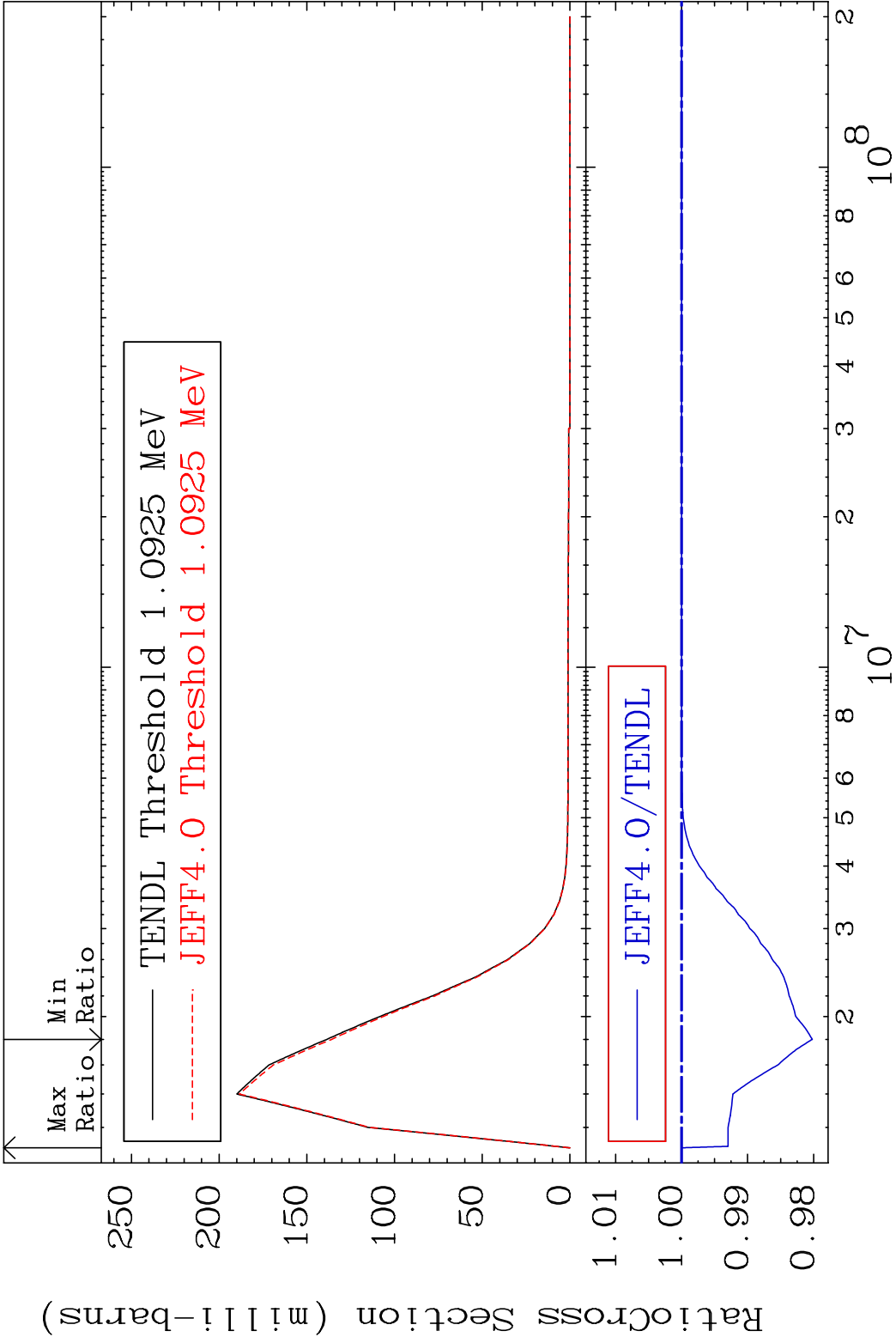
MAT 9452

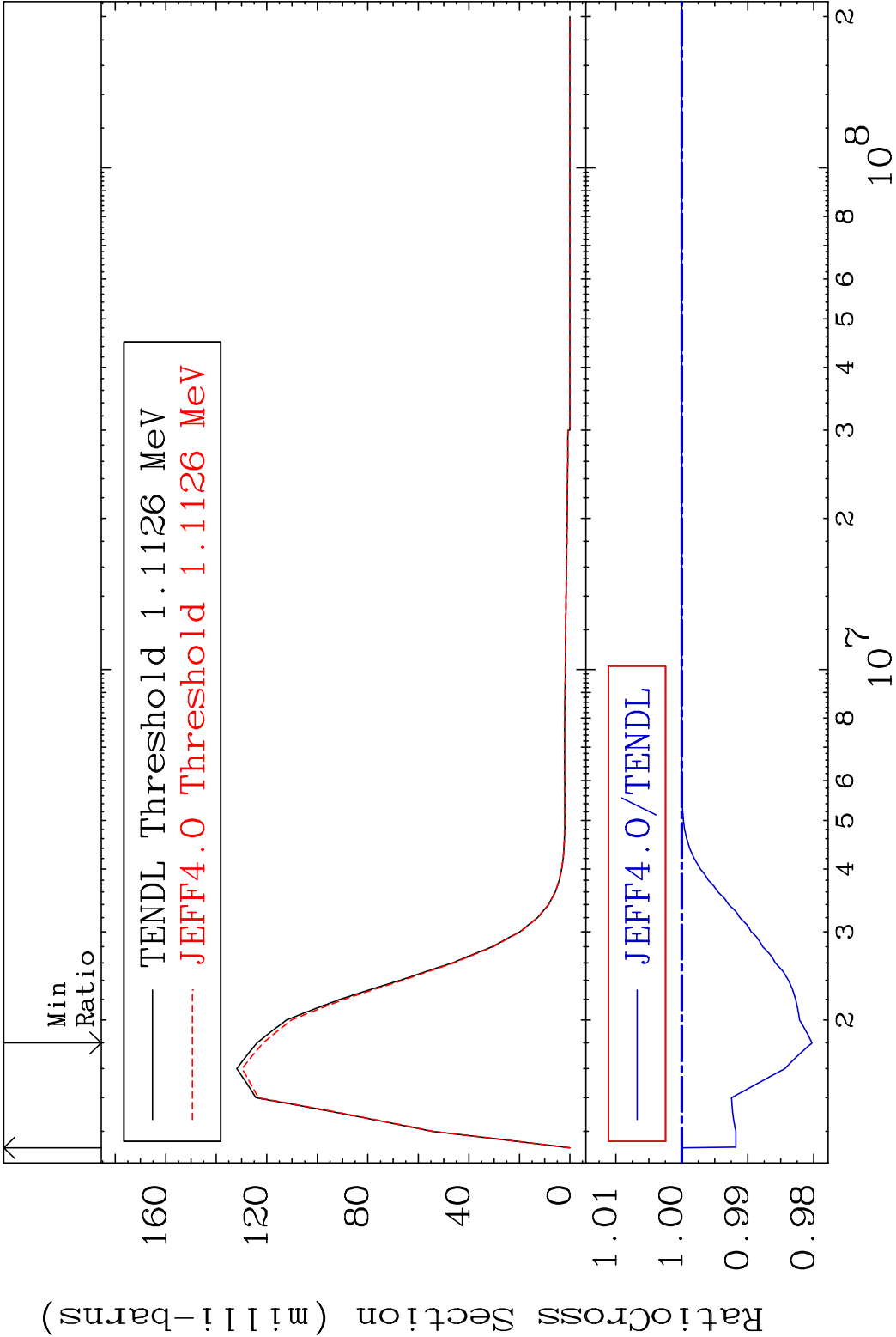
MT= 60 (n,n') Level

94-Pu-244

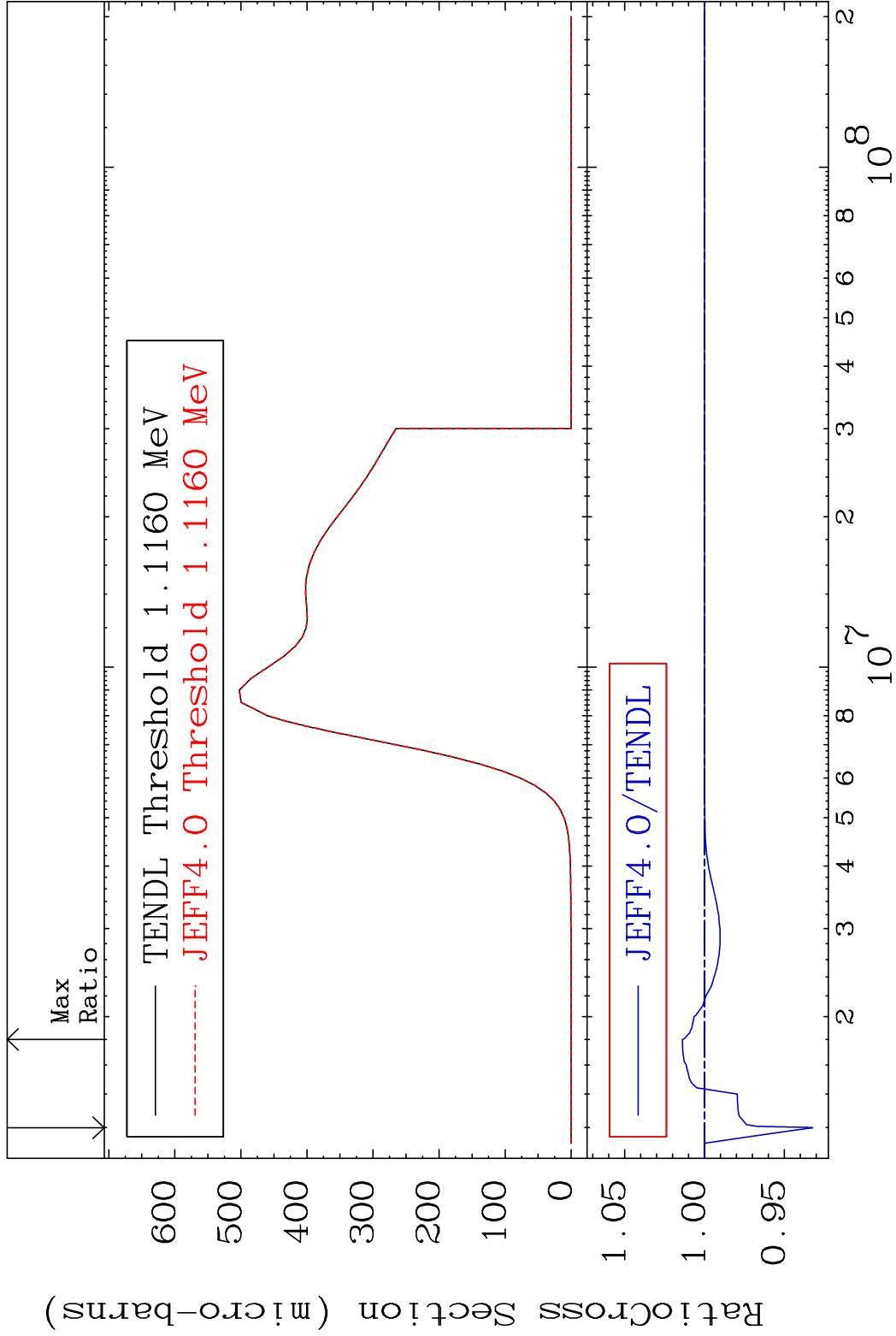
Cross Section

-1.979 To 0.000 %

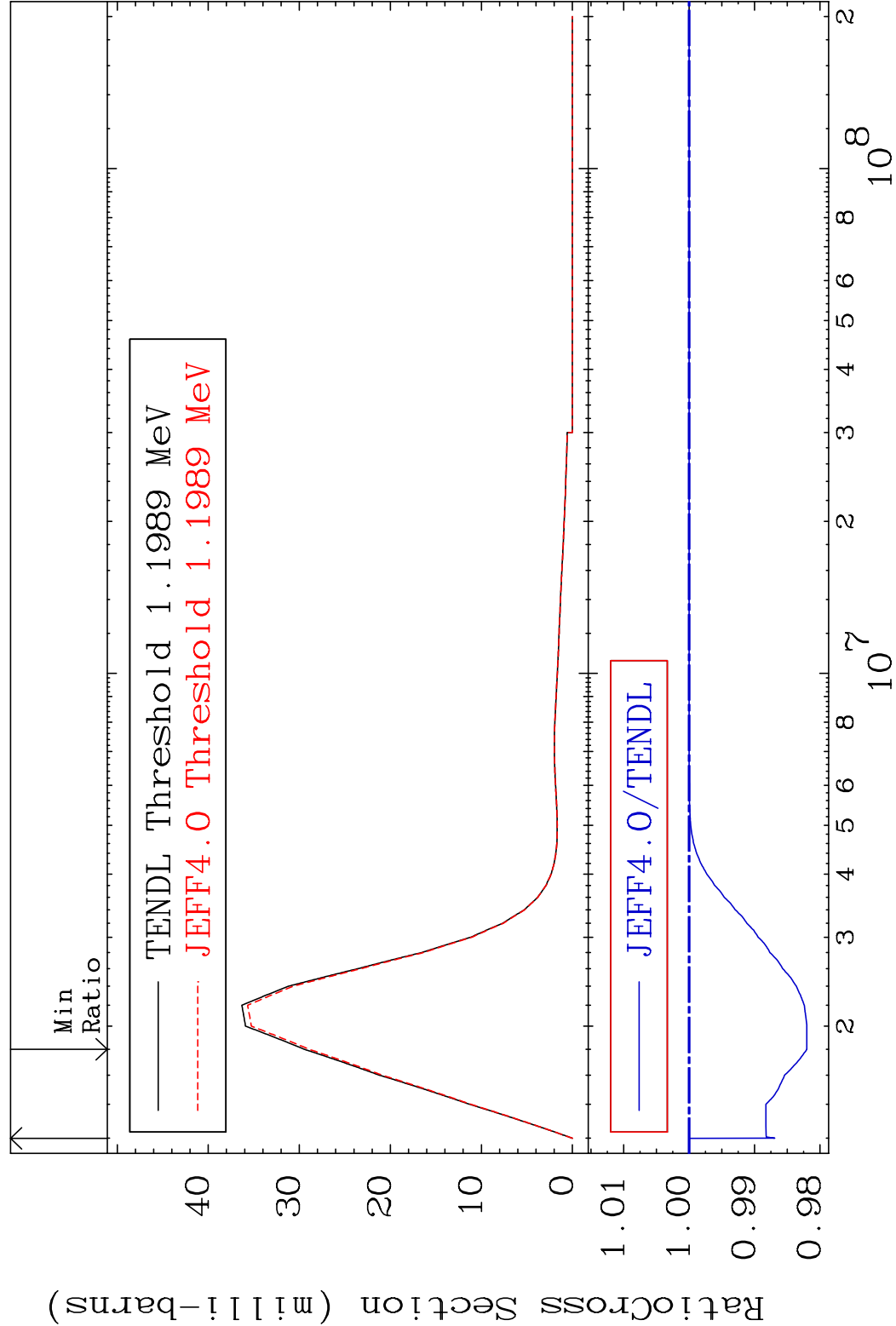




MAT 9452 MT= 62 (n,n') Level 94-Pu-244
Cross Section -6.768 To 1.392 %



MAT 9452 MT= 63 (n,n') Level 94-Pu-244
 Cross Section -1.799 To 0.000 %



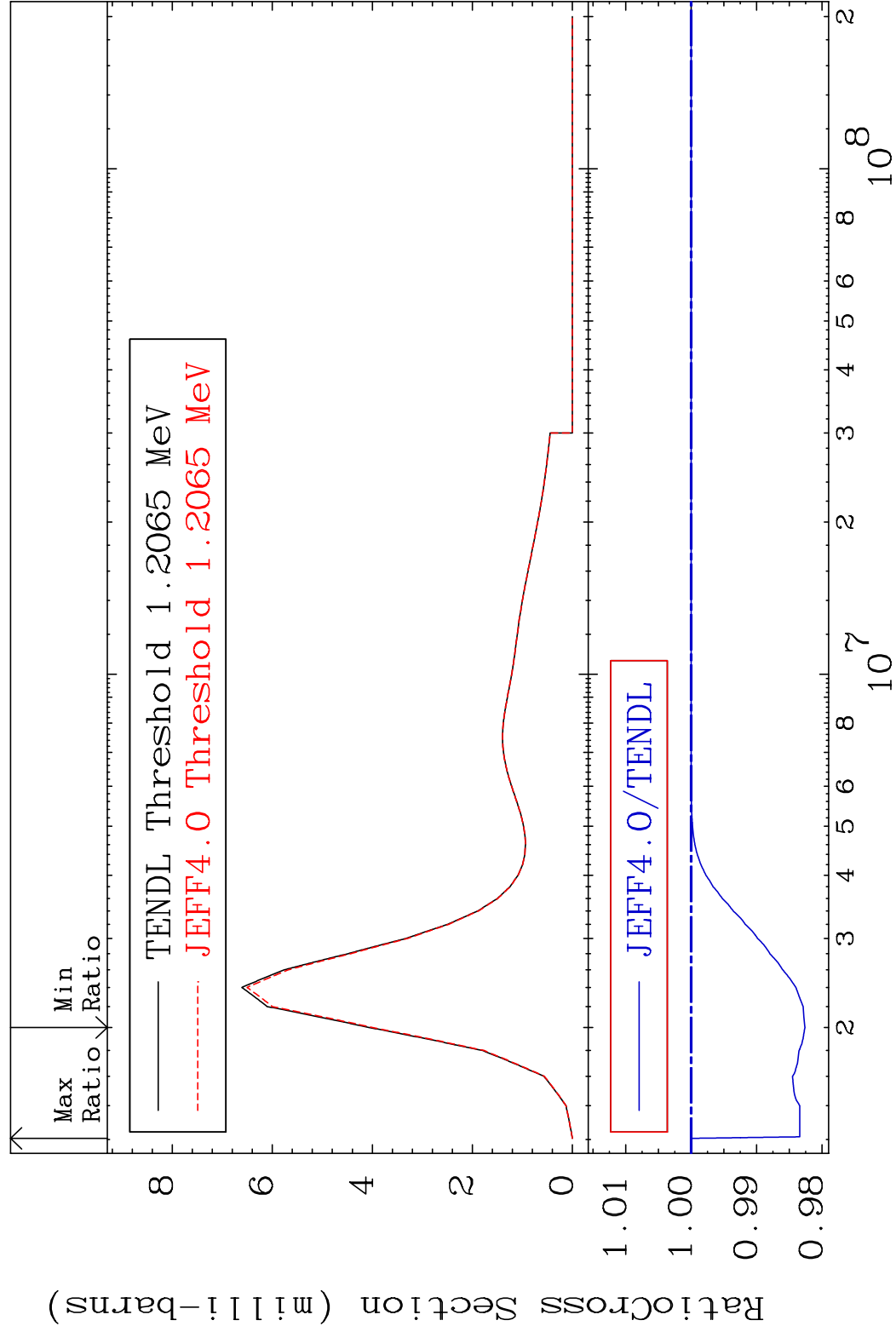
MAT 9452

MT= 64 (n,n') Level

94-Pu-244

Cross Section

-1.738 To 0.000 %



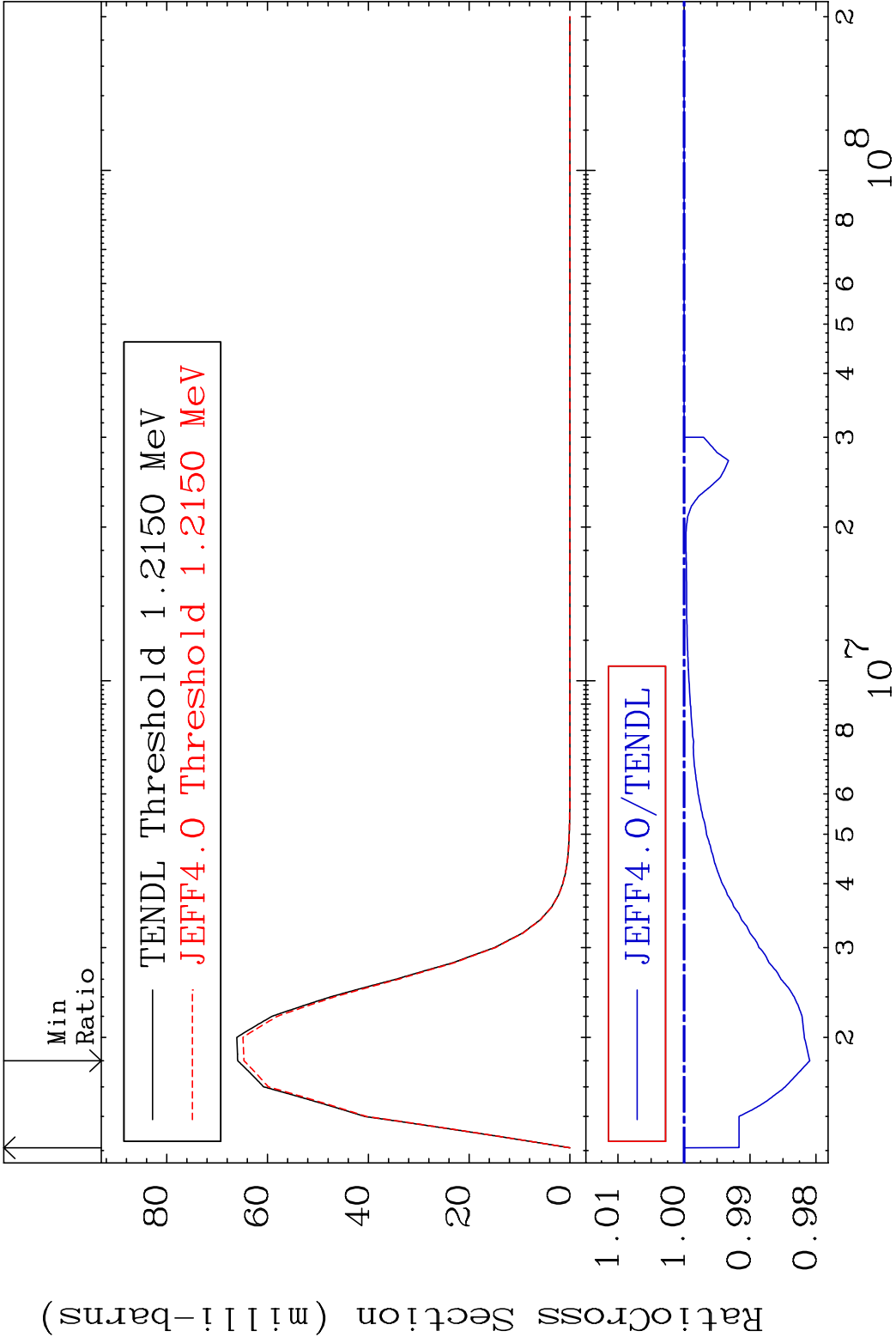
MAT 9452

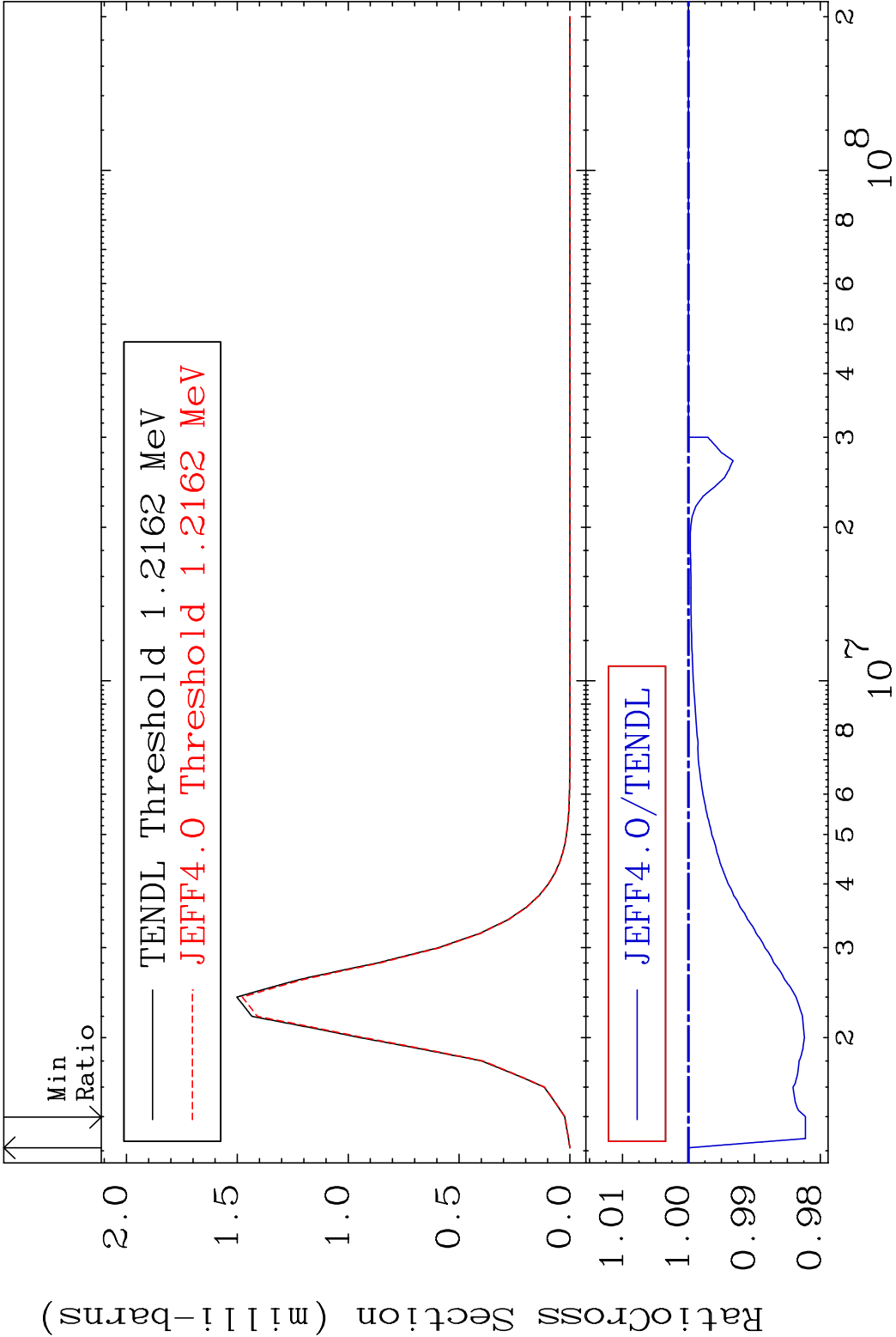
MT= 65 (n,n') Level

94-Pu-244

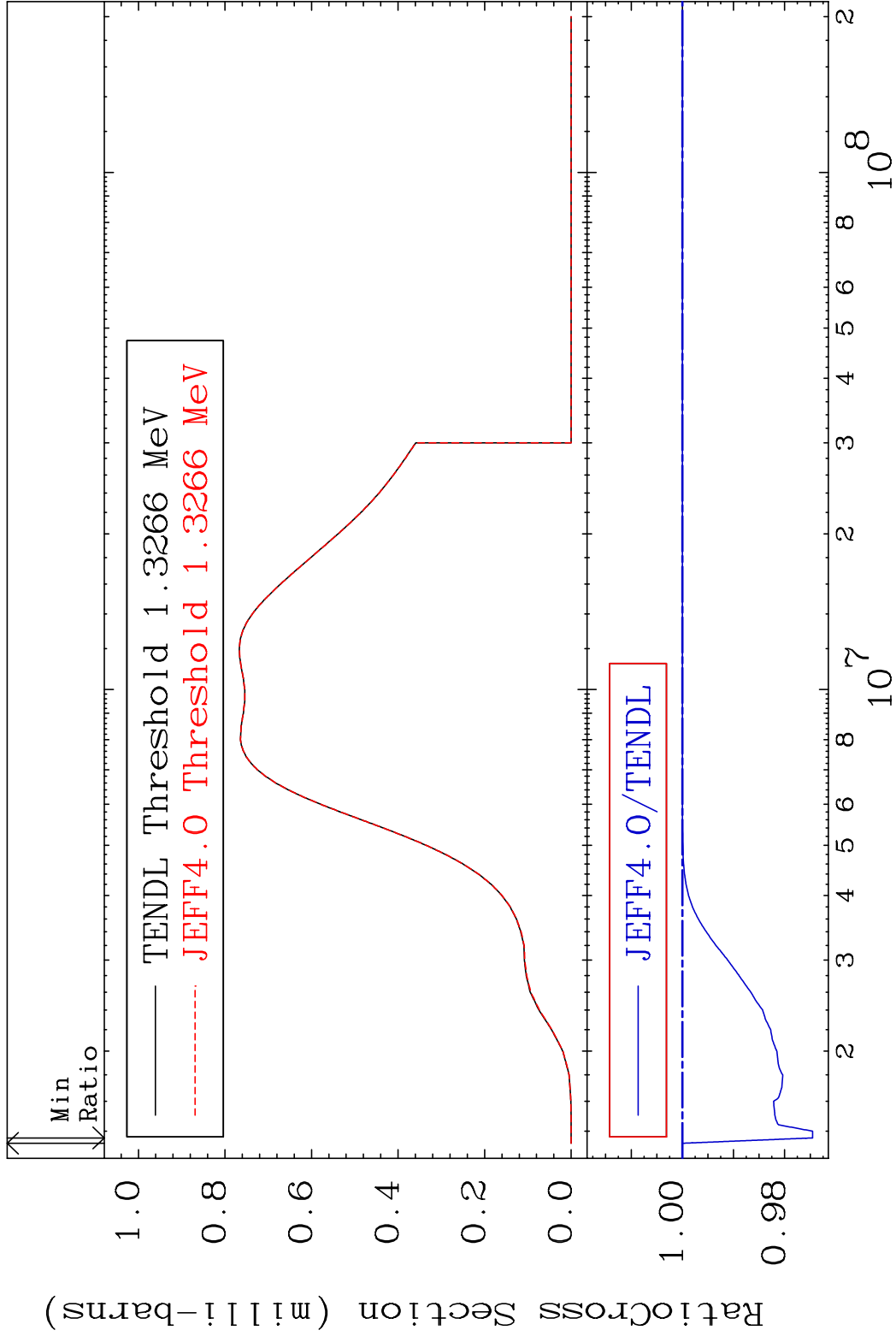
Cross Section

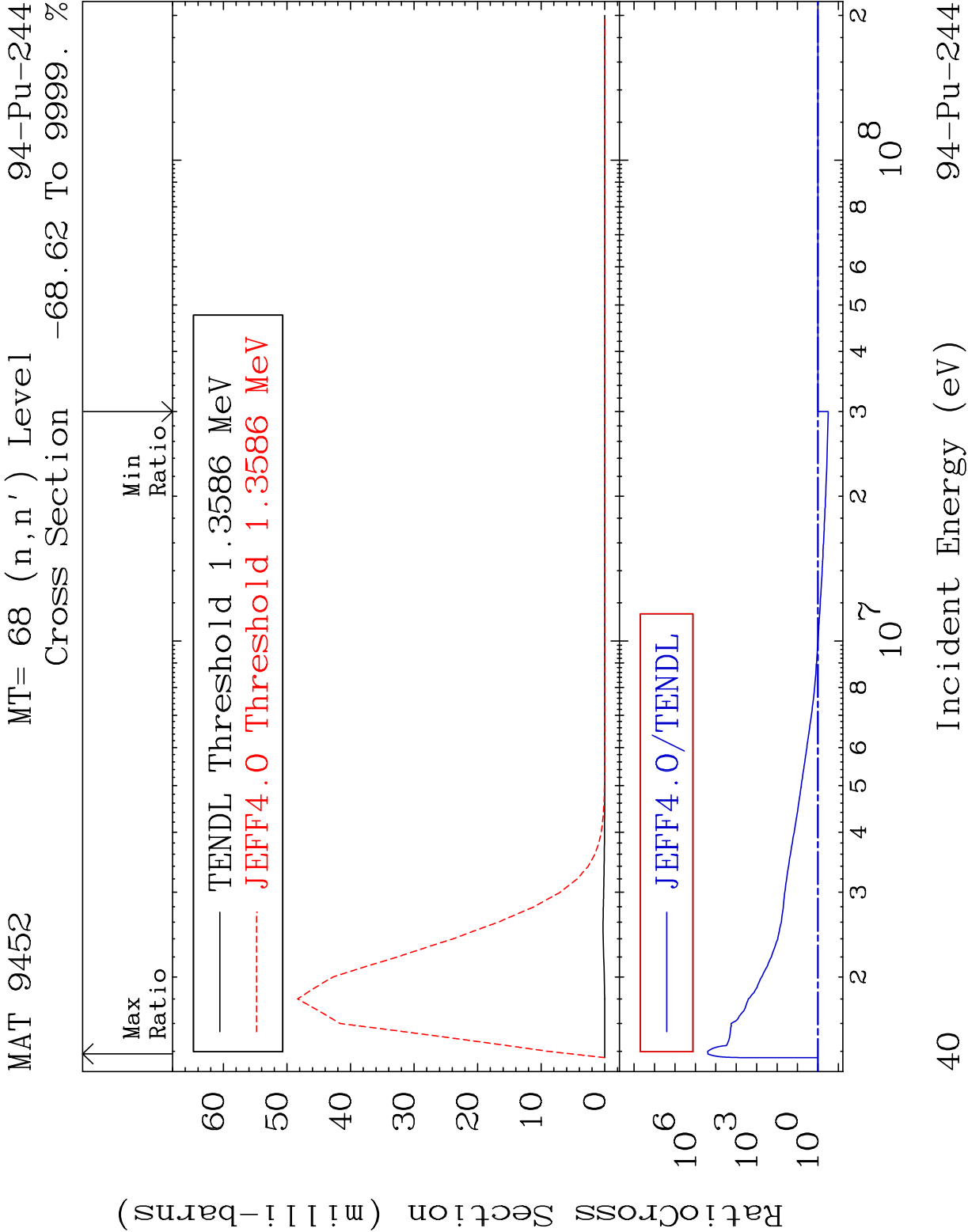
-1.906 To 0.000 %

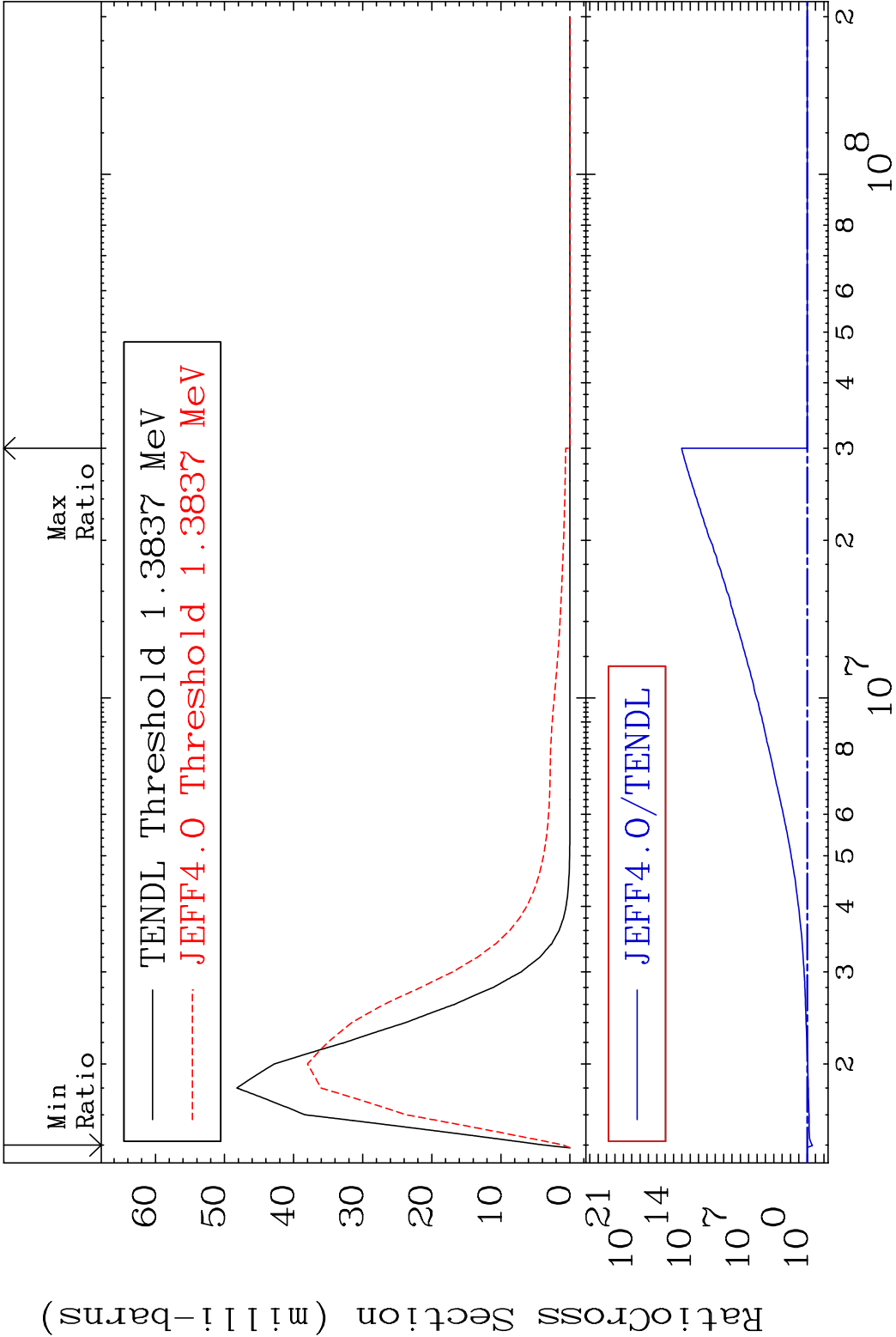




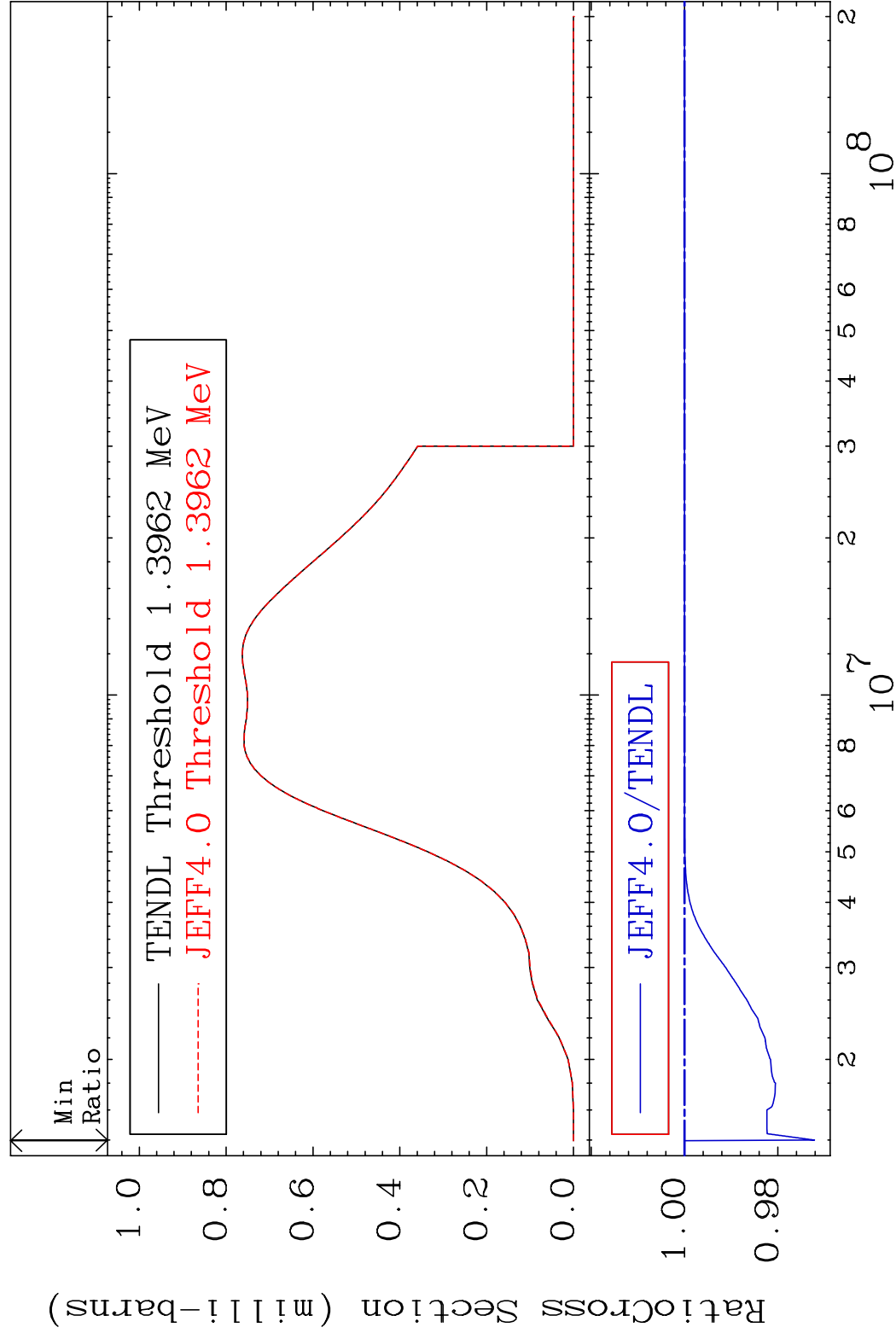
MAT 9452 MT= 67 (n,n') Level 94-Pu-244
Cross Section -2.546 To 0.000 %



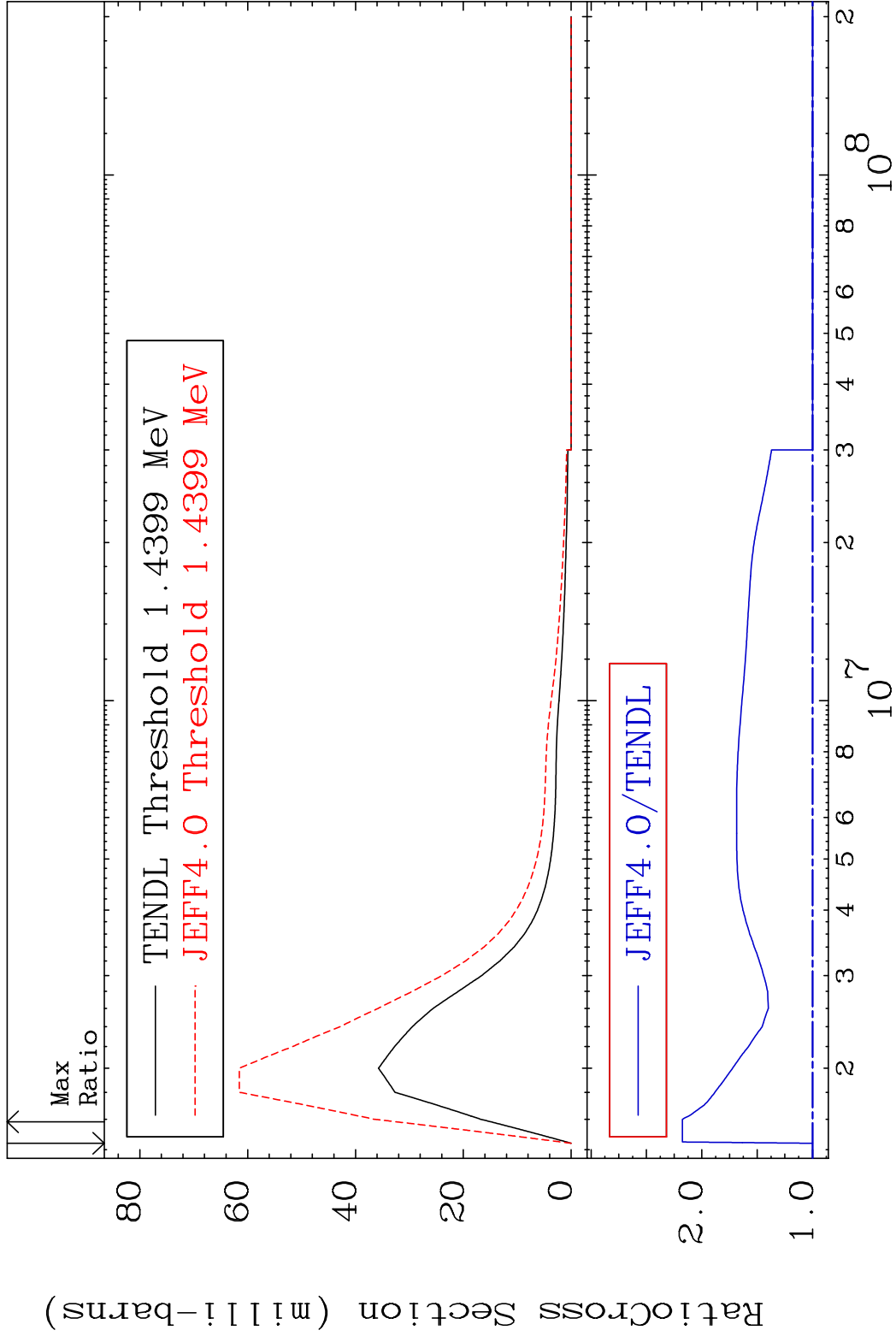




MAT 9452 MT= 70 (n,n') Level 94-Pu-244
Cross Section -2.784 To 0.000 %



MAT 9452 MT= 71 (n,n') Level 94-Pu-244
Cross Section 0.000 To 117.6 %



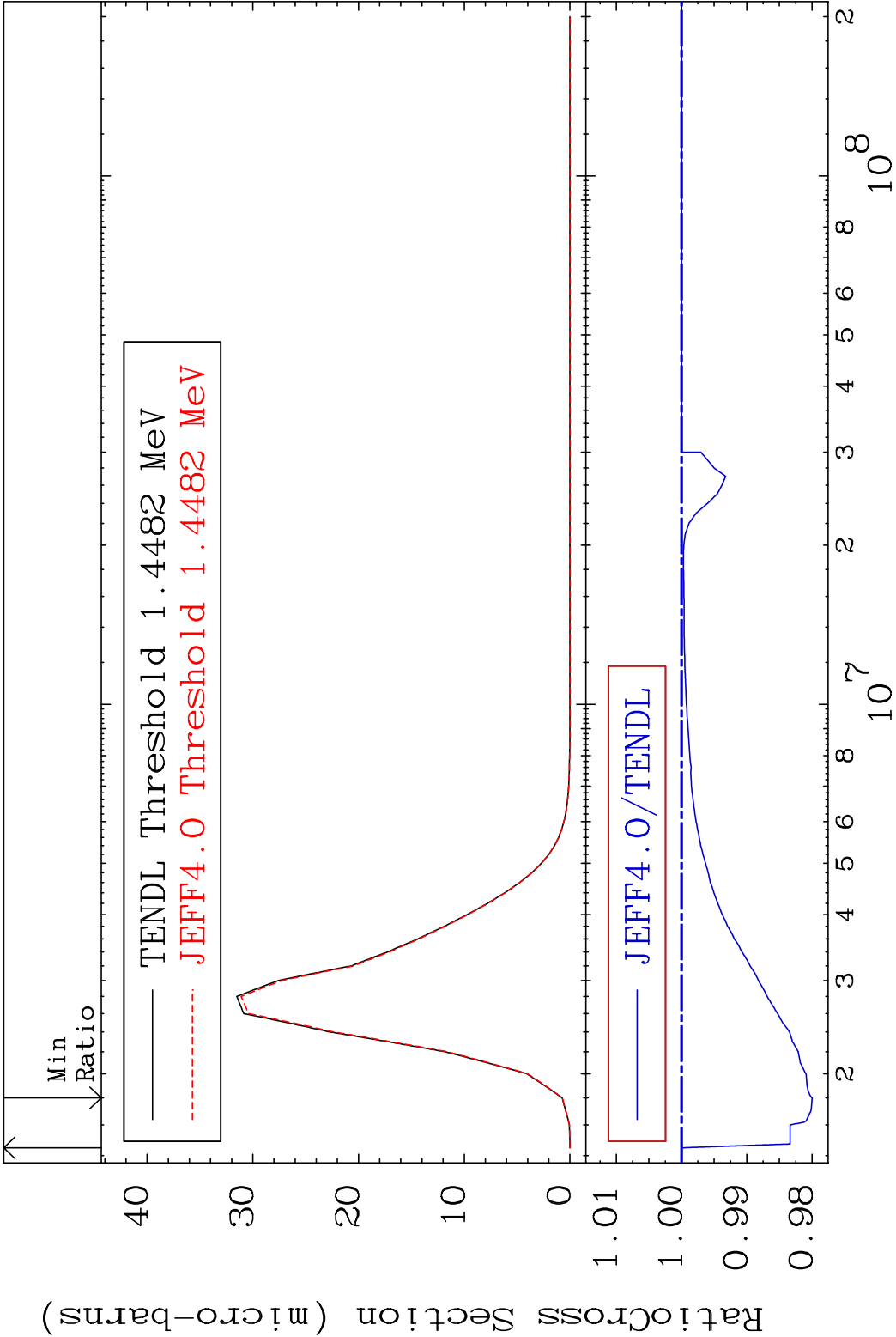
MAT 9452

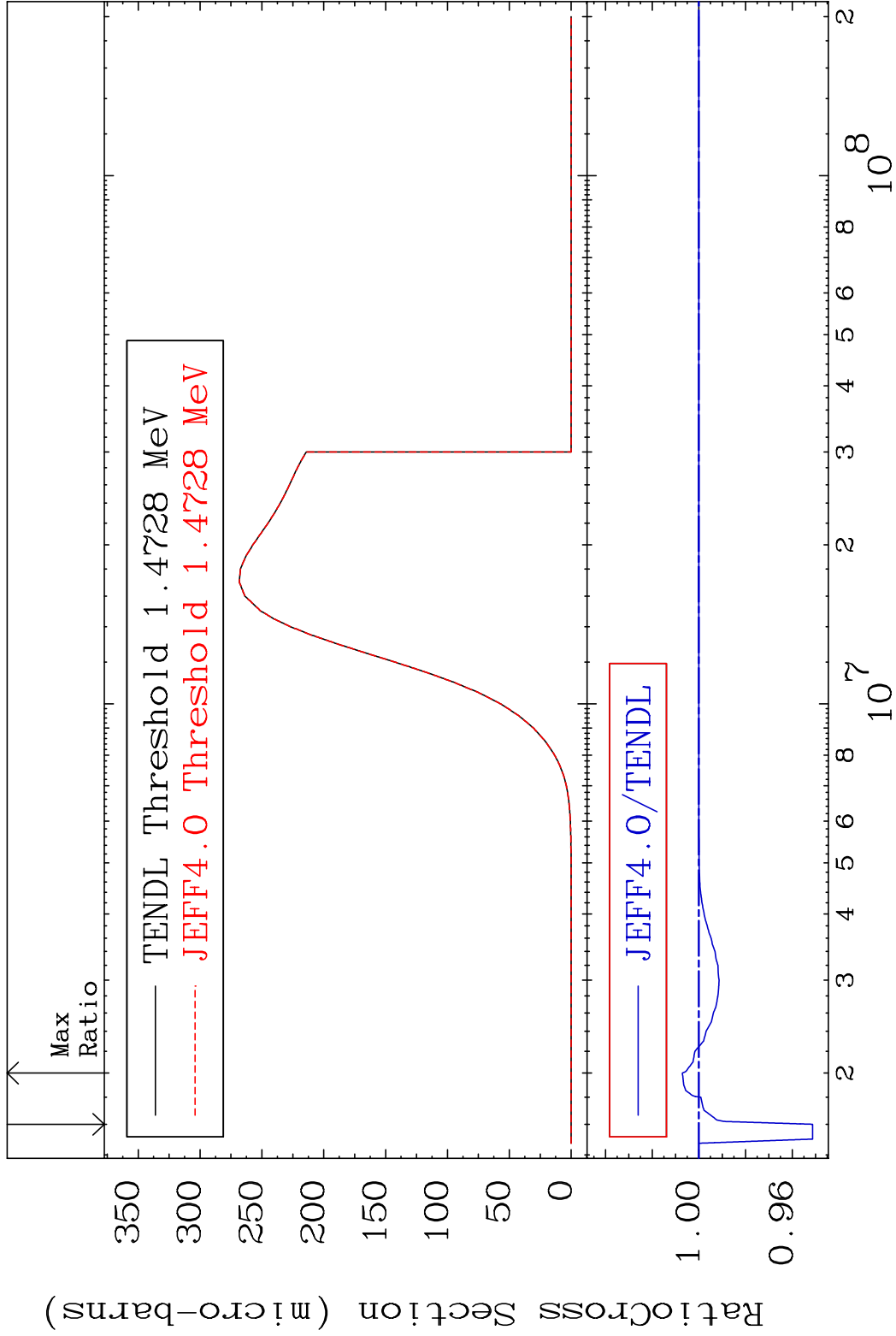
MT= 72 (n,n') Level

94-Pu-244

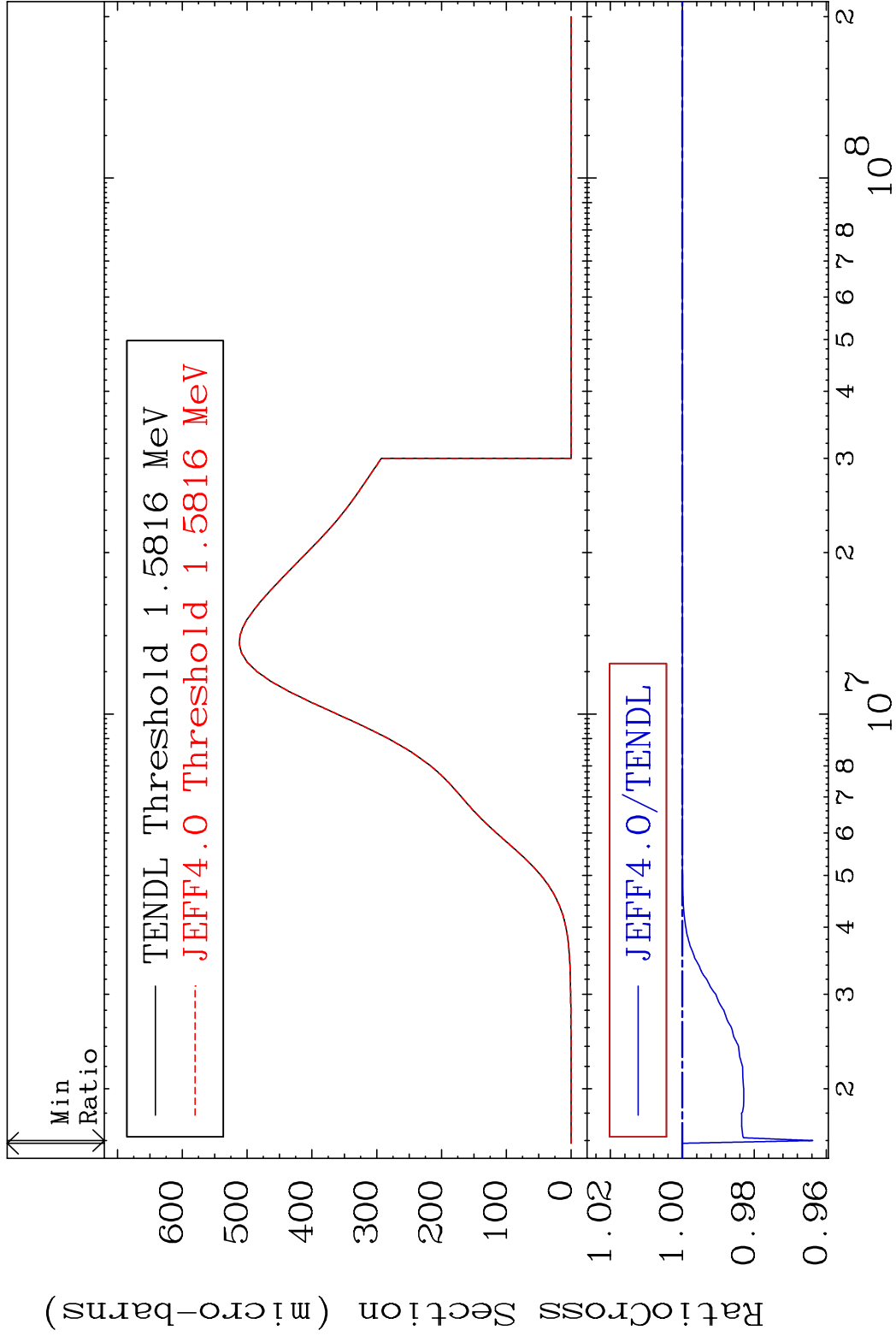
Cross Section

-2.003 To 0.000 %

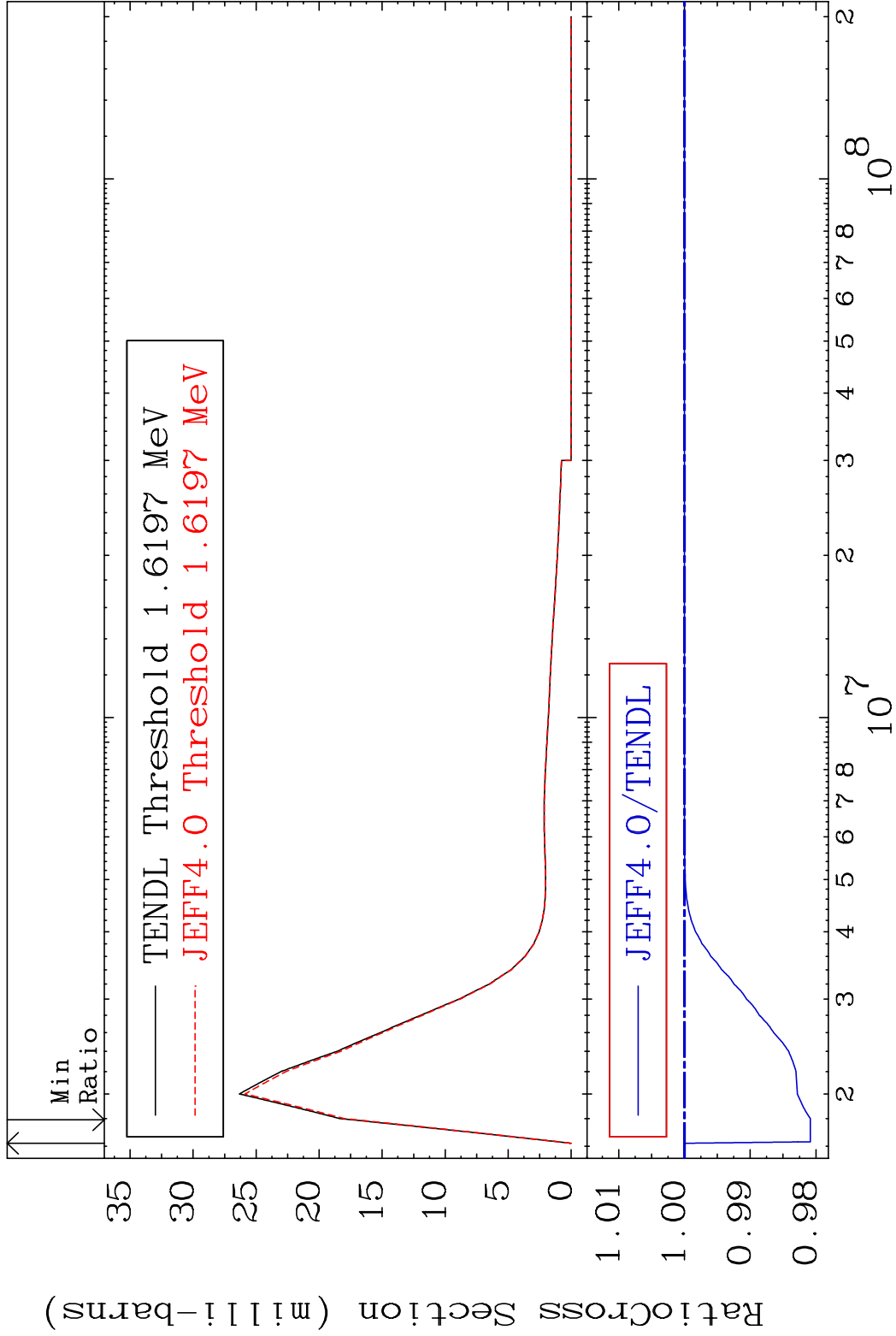




MAT 9452 MT= 74 (n,n') Level 94-Pu-244
Cross Section -3.621 To 0.000 %



MAT 9452 MT= 75 (n,n') Level 94-Pu-244
Cross Section -1.916 To 0.000 %



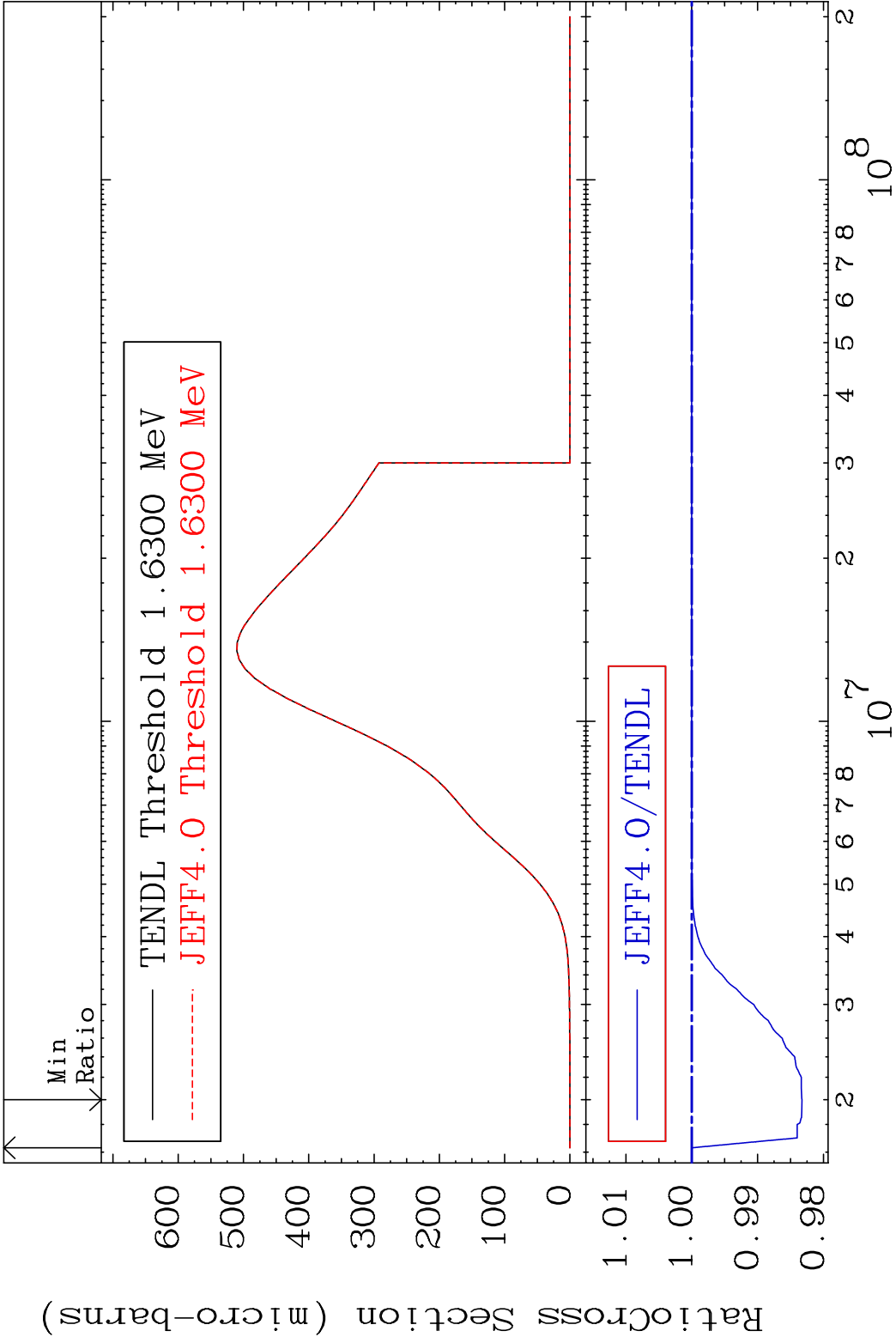
MAT 9452

MT= 76 (n,n') Level

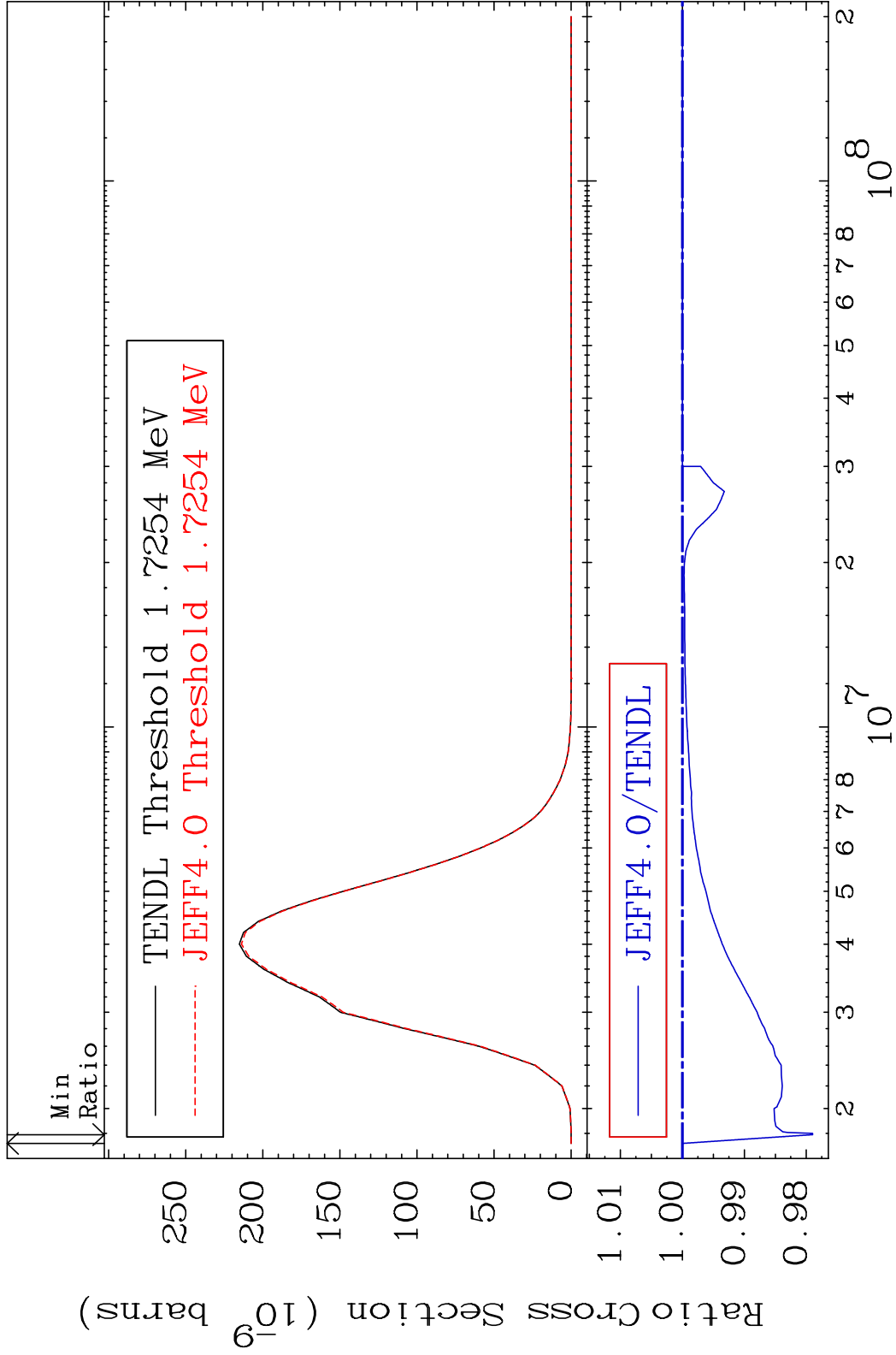
94-Pu-244

Cross Section

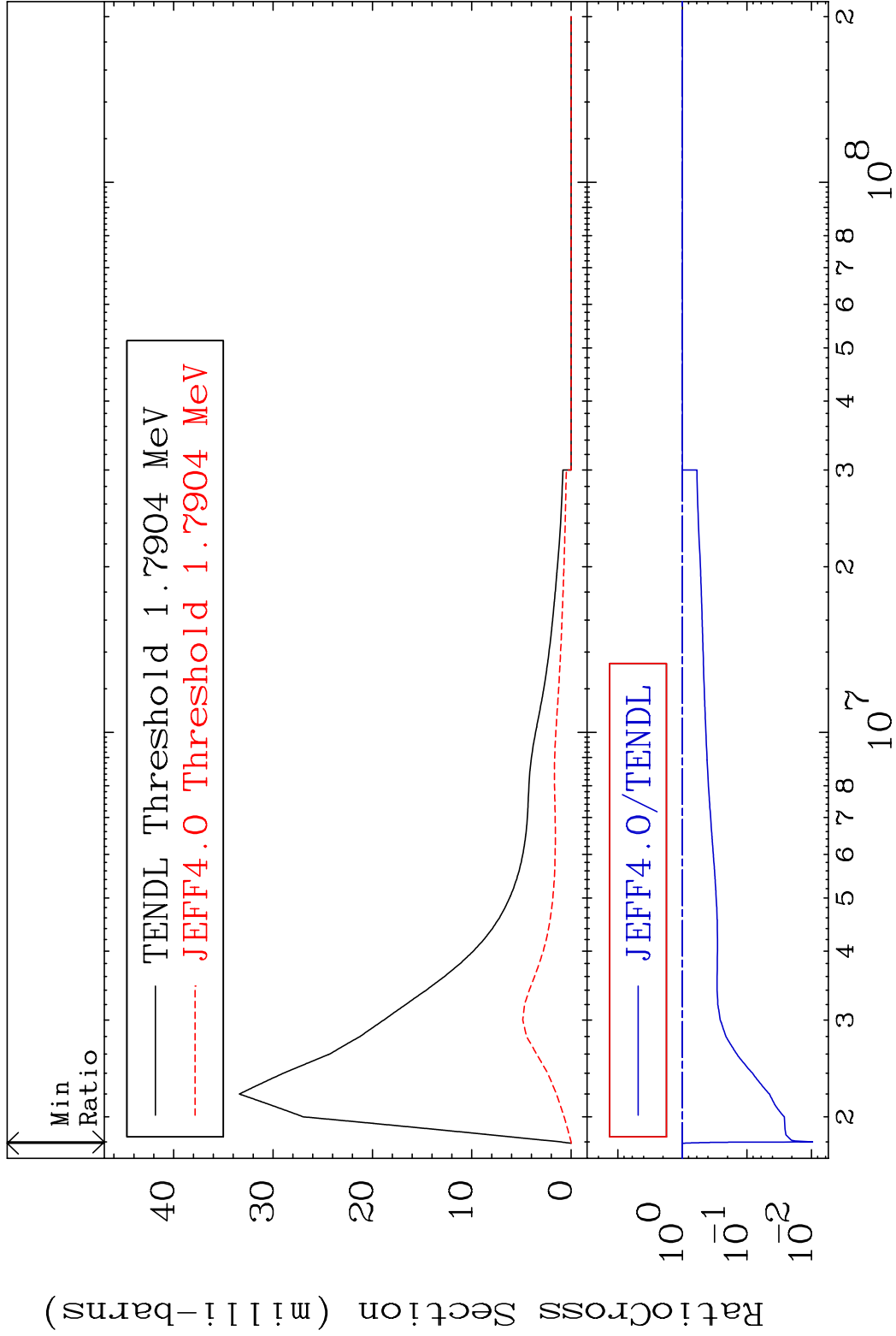
-1.673 To 0.000 %

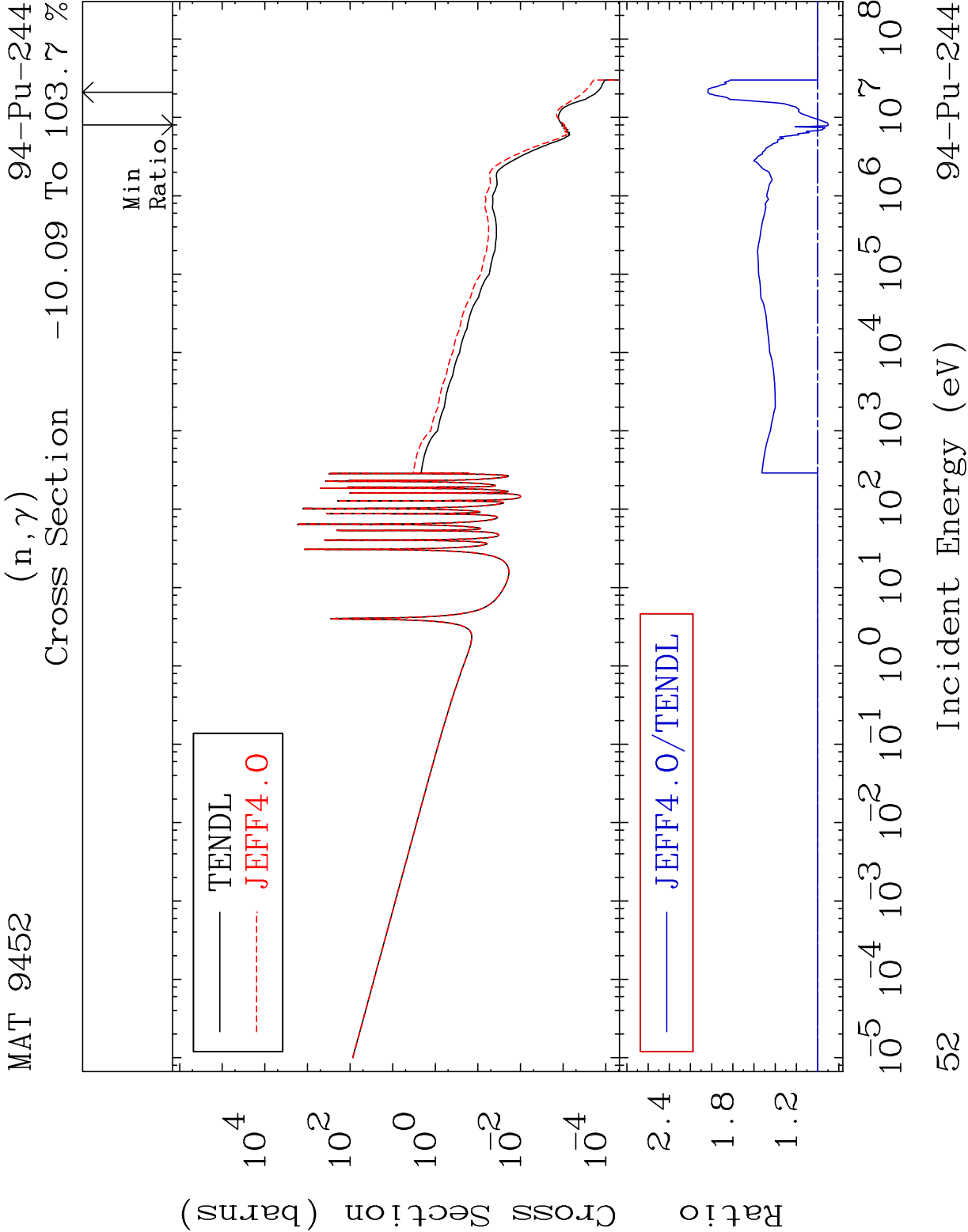


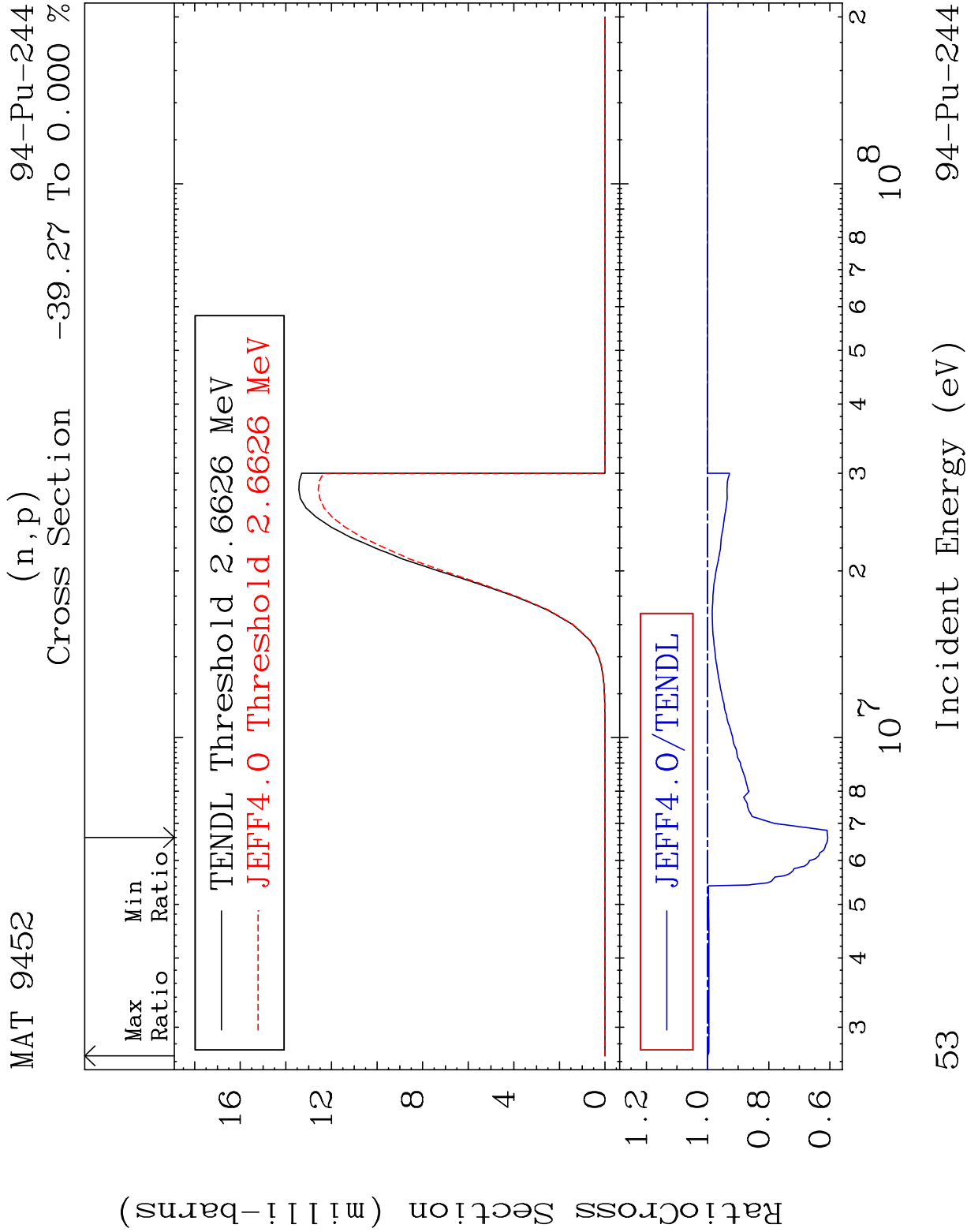
MAT 9452 MT= 77 (n,n') Level 94-Pu-244
Cross Section -2.101 To 0.000 %

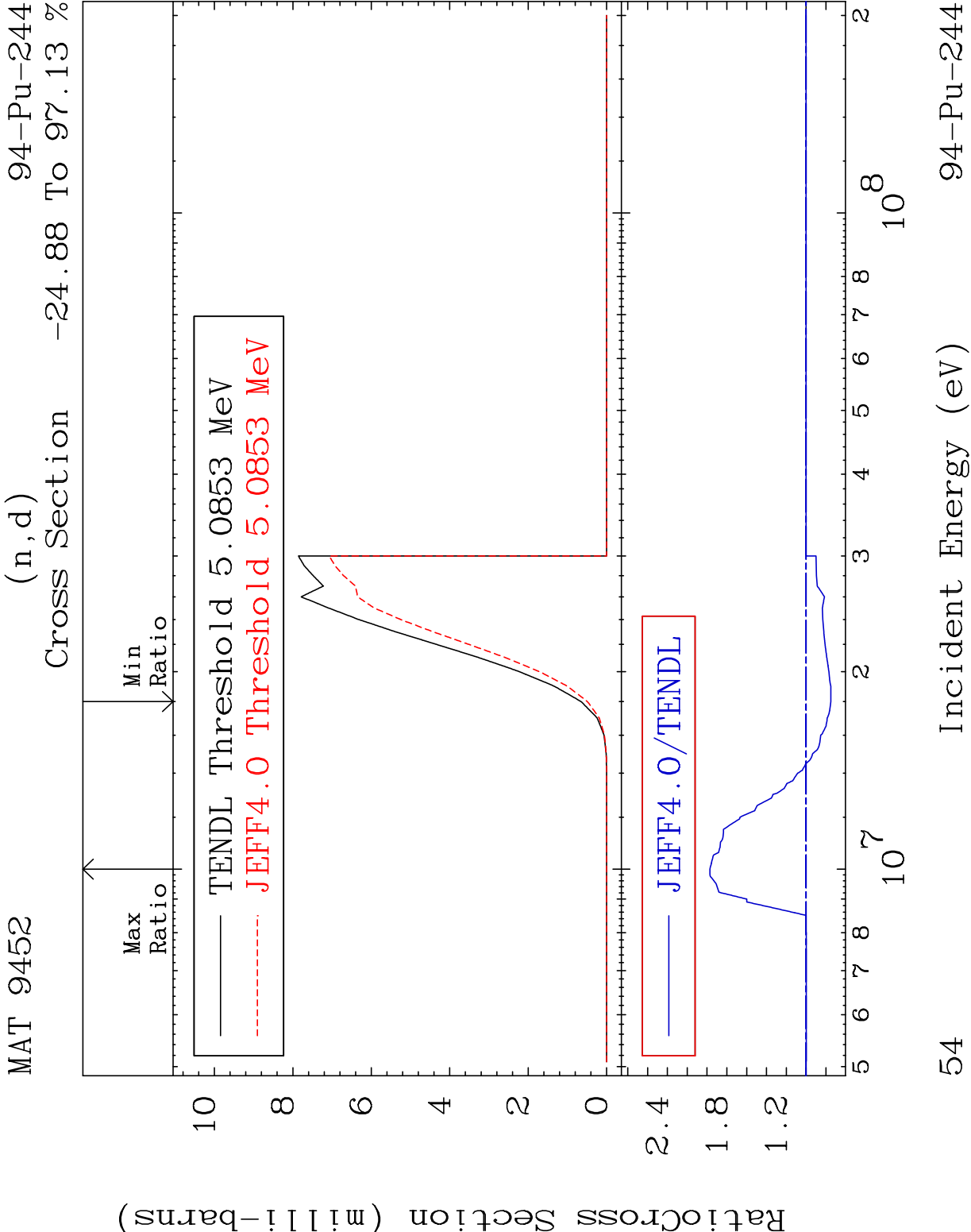


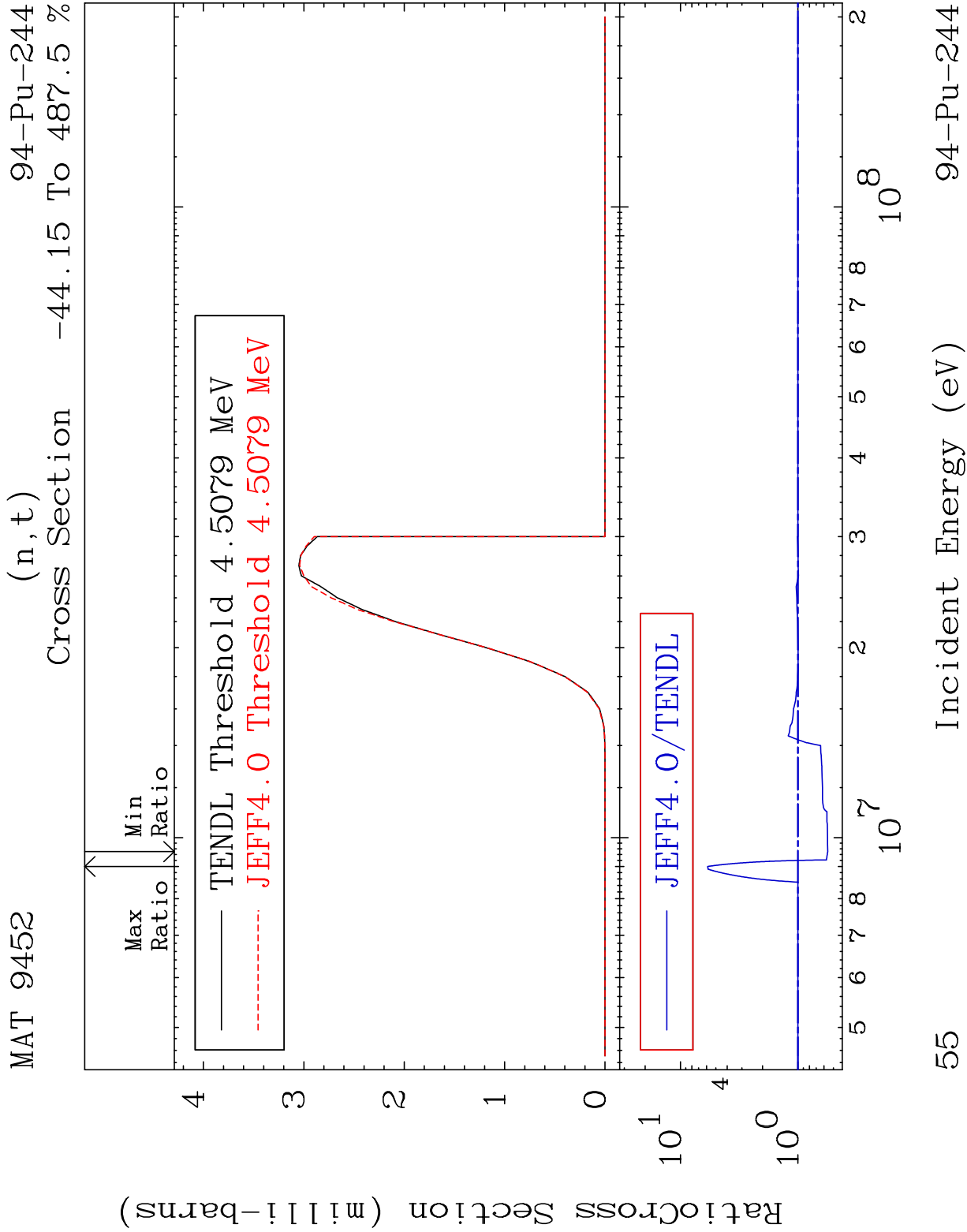
MAT 9452 MT= 78 (n,n') Level 94-Pu-244
Cross Section -99.04 To 0.000 %

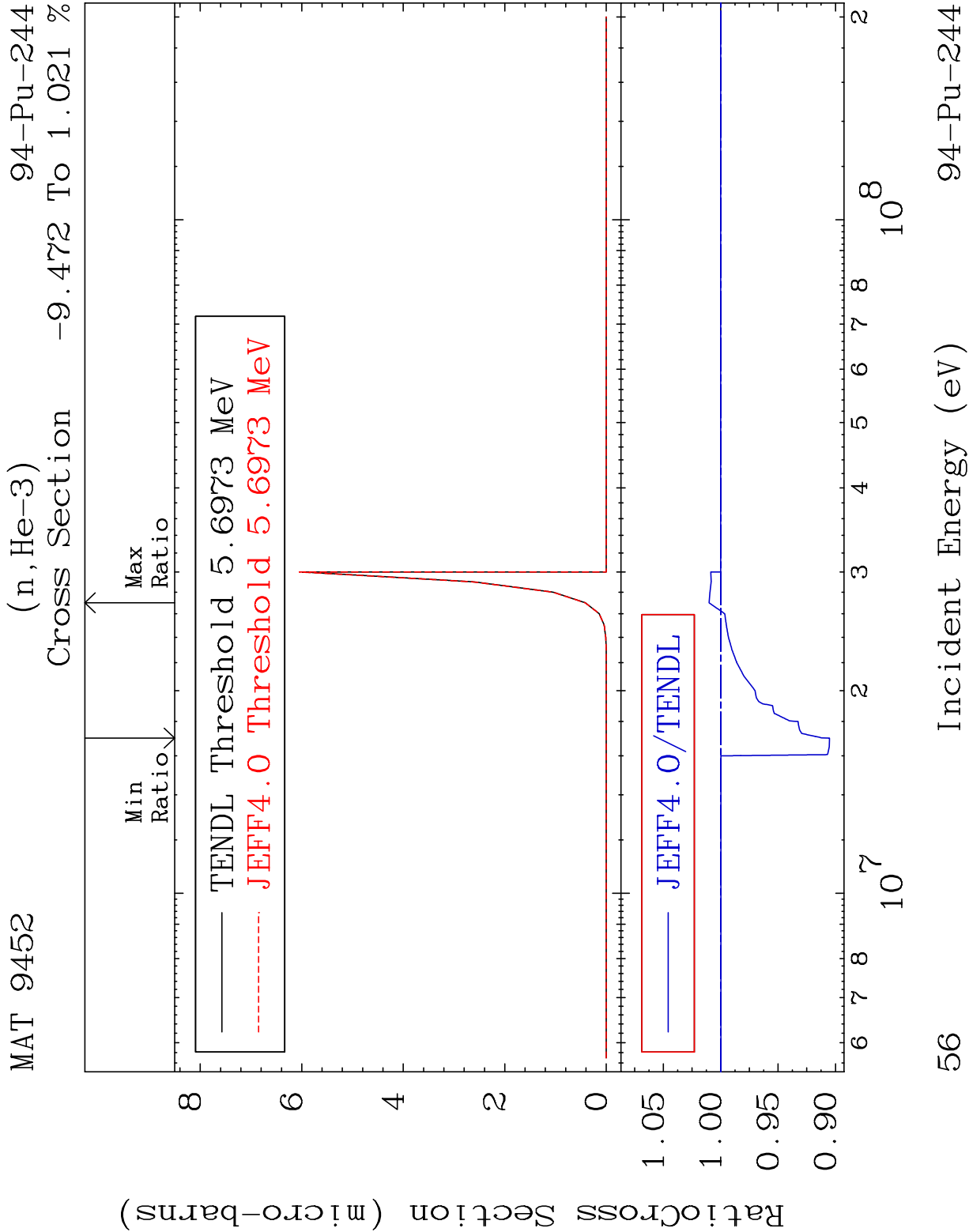


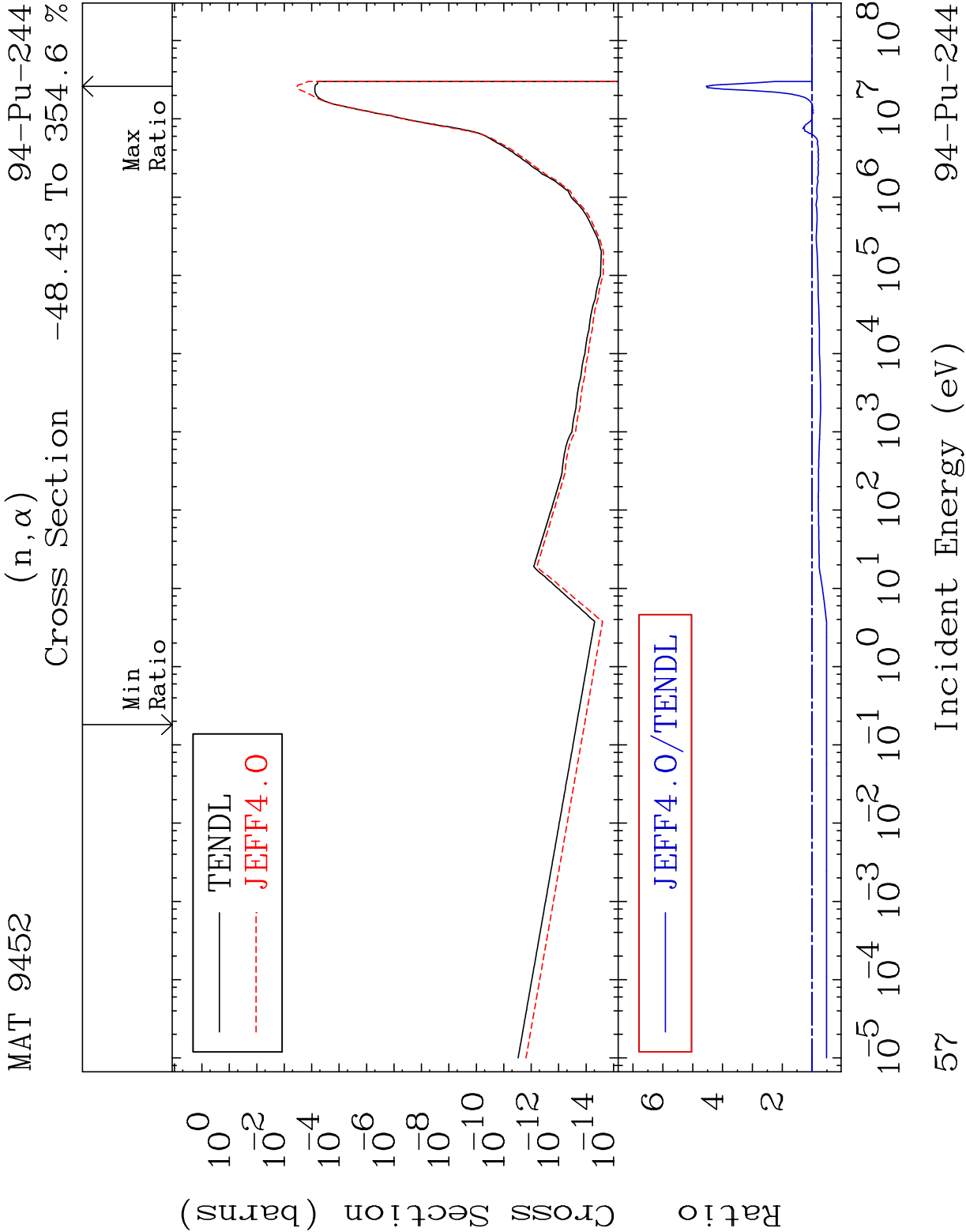


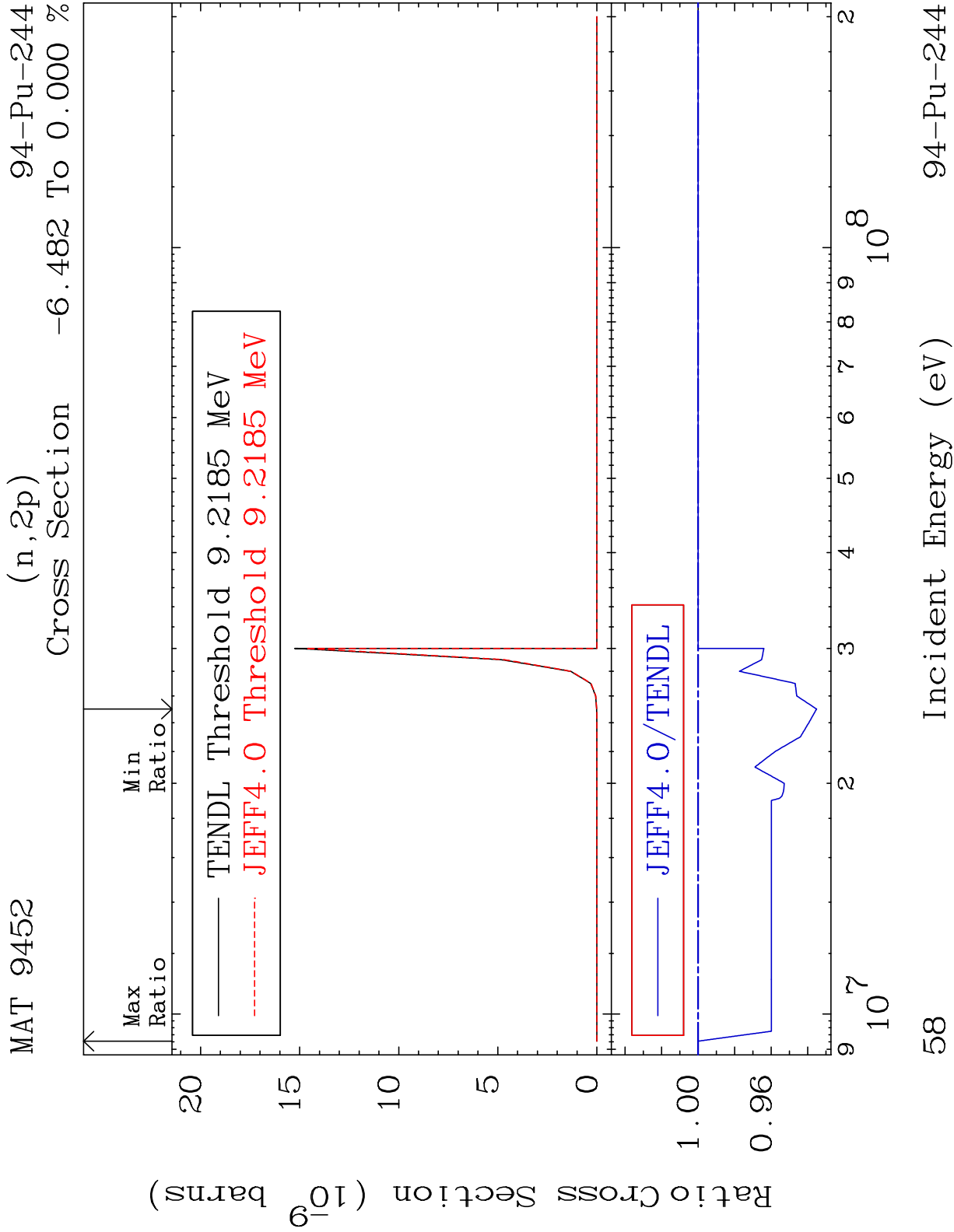


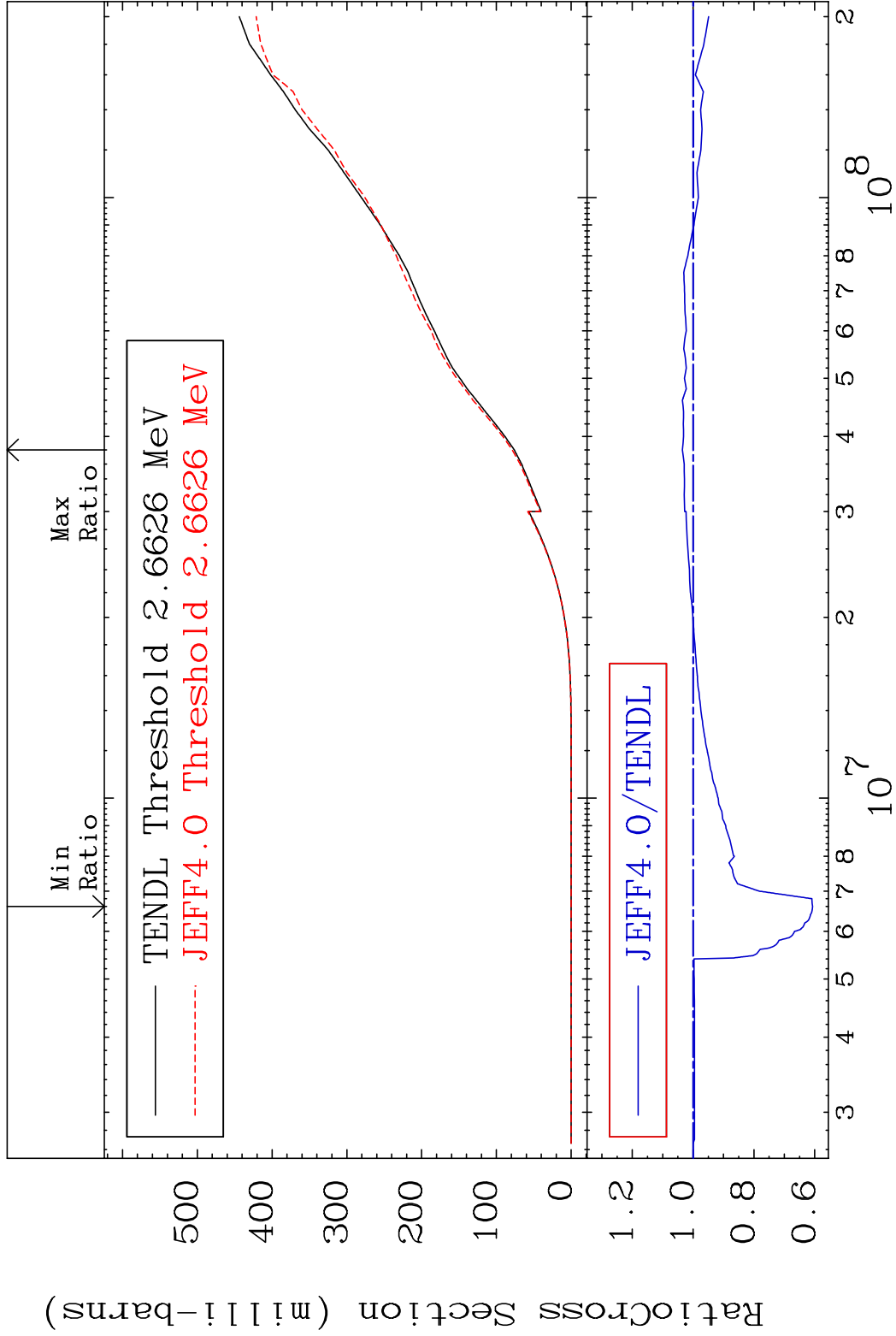










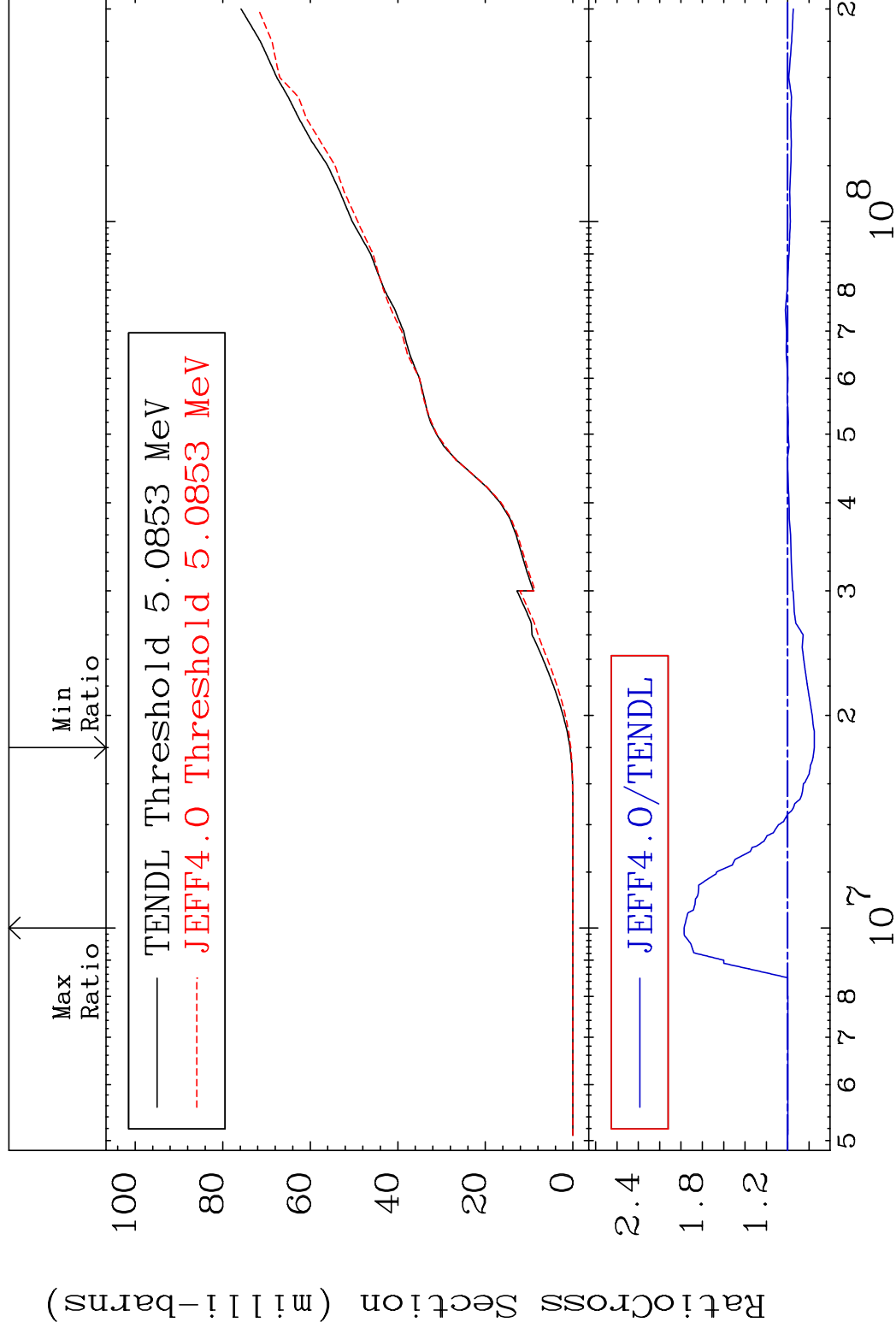


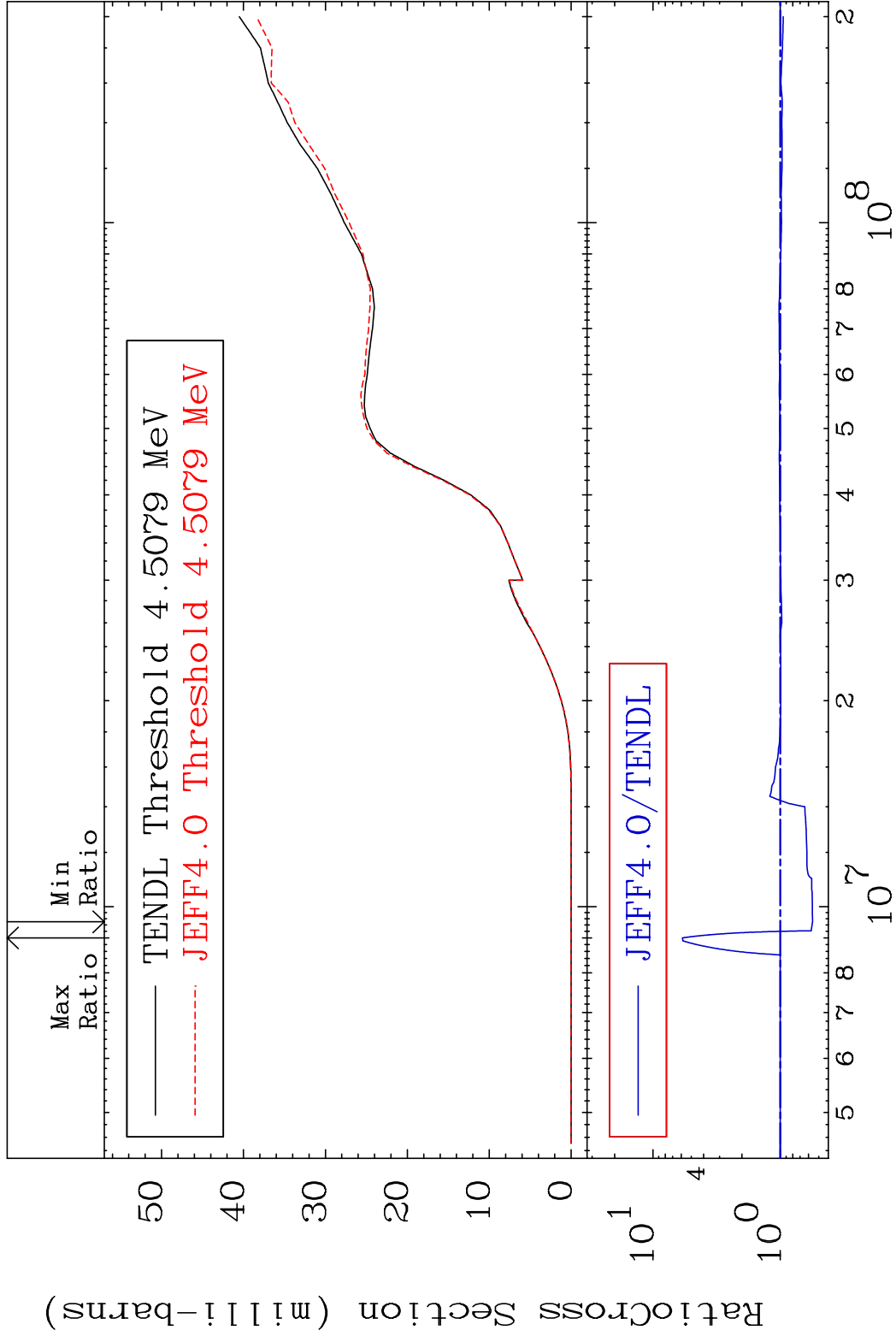
MAT 9452

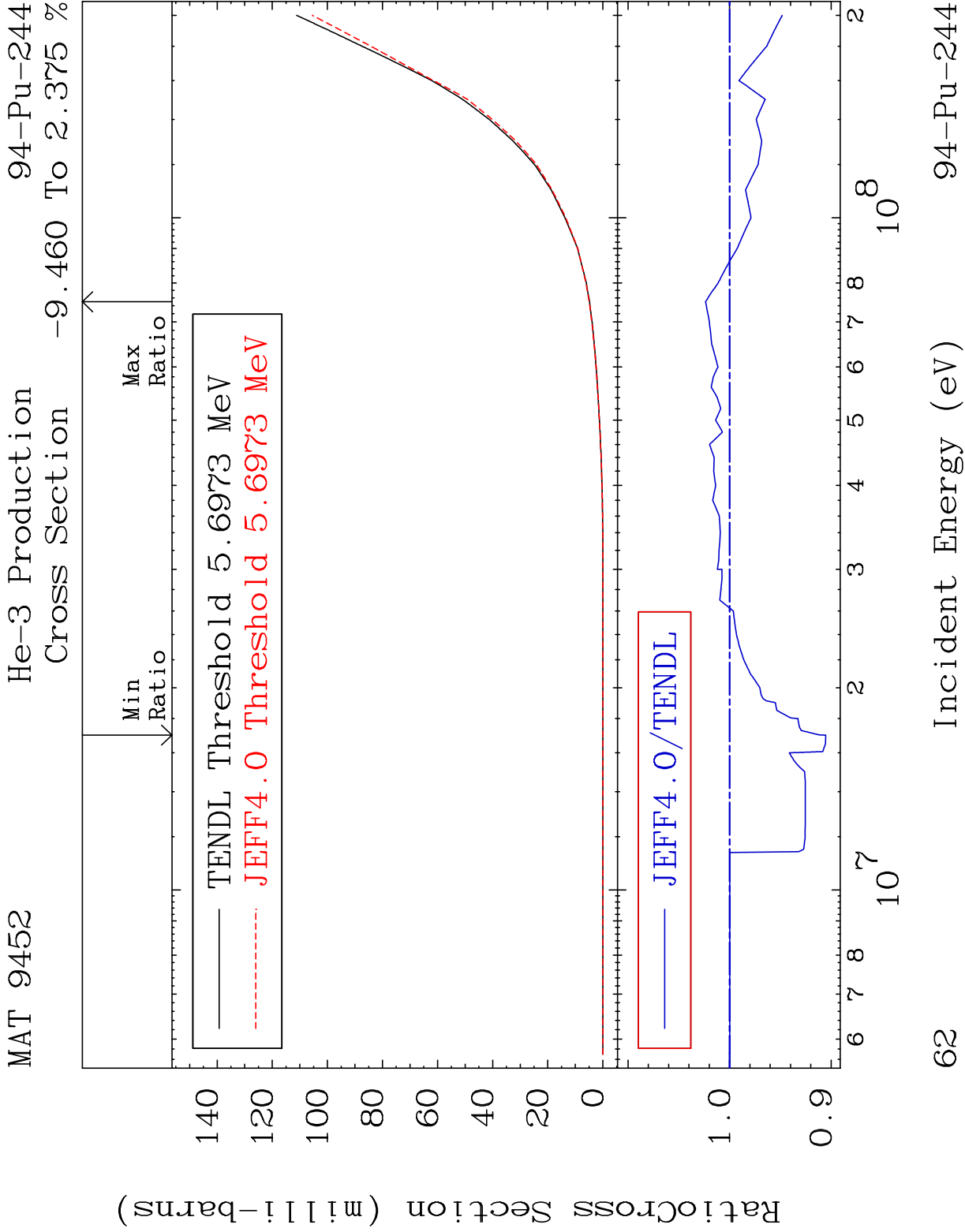
Deuterium Production

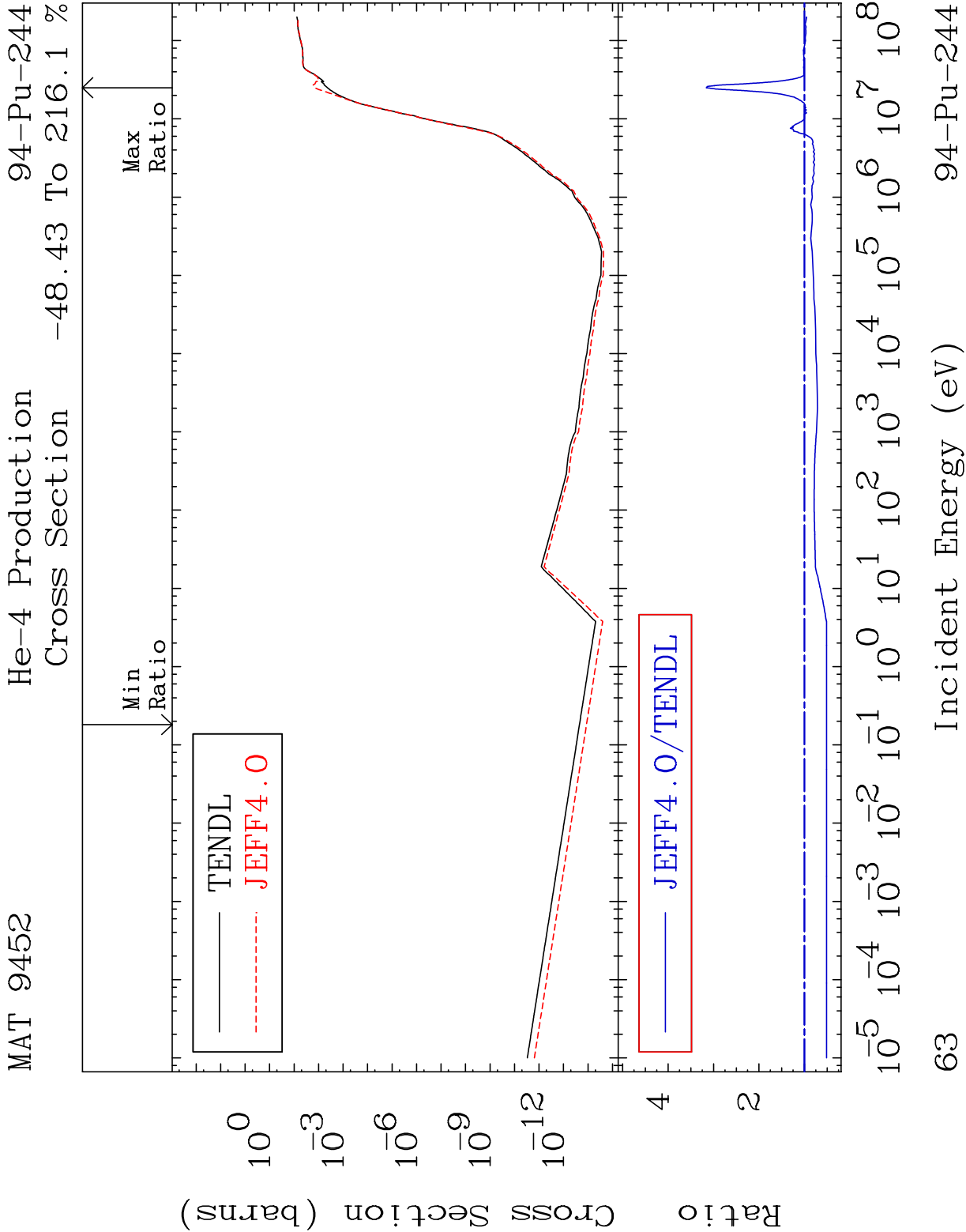
94-Pu-244

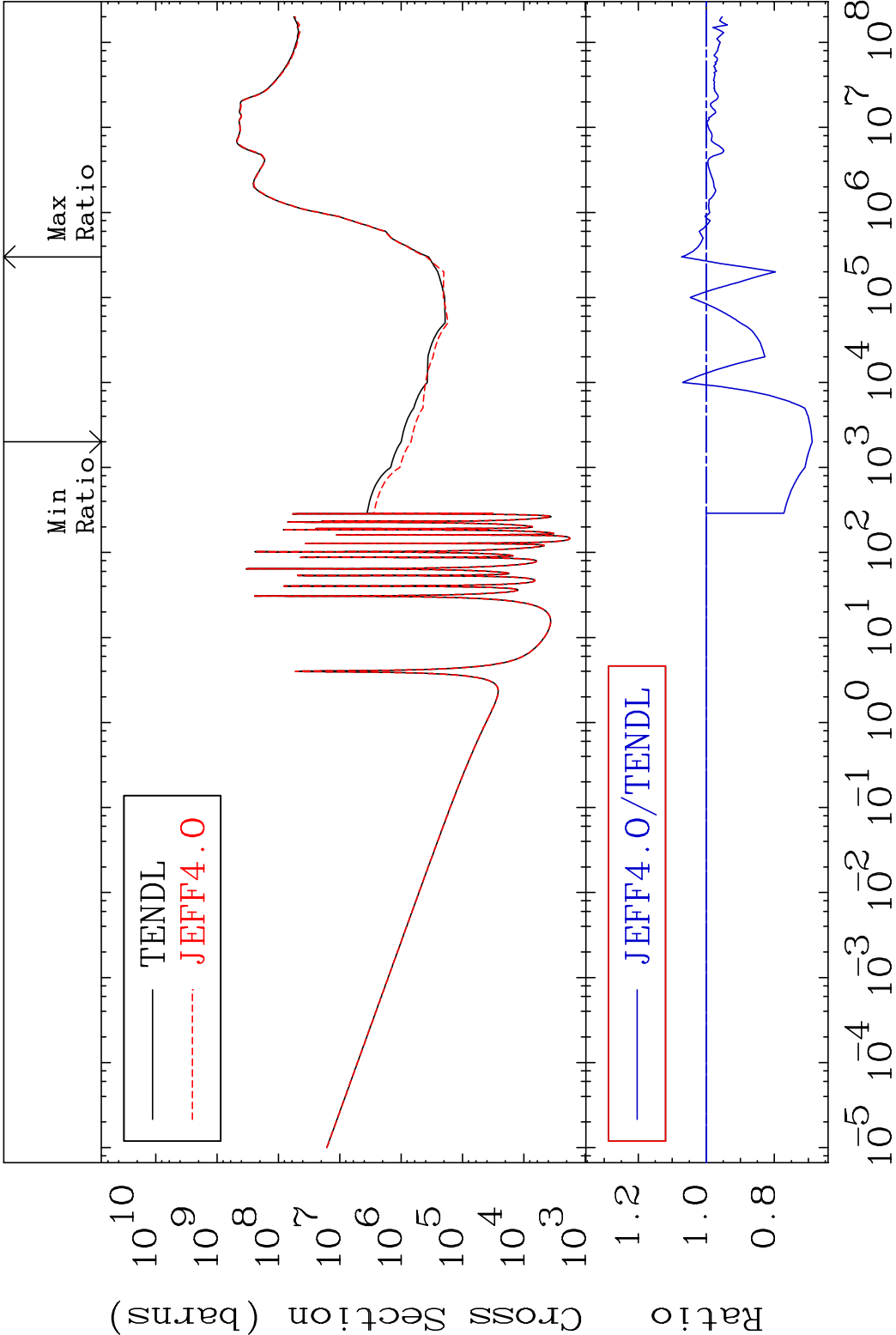
Cross Section -24.88 To 97.13 %









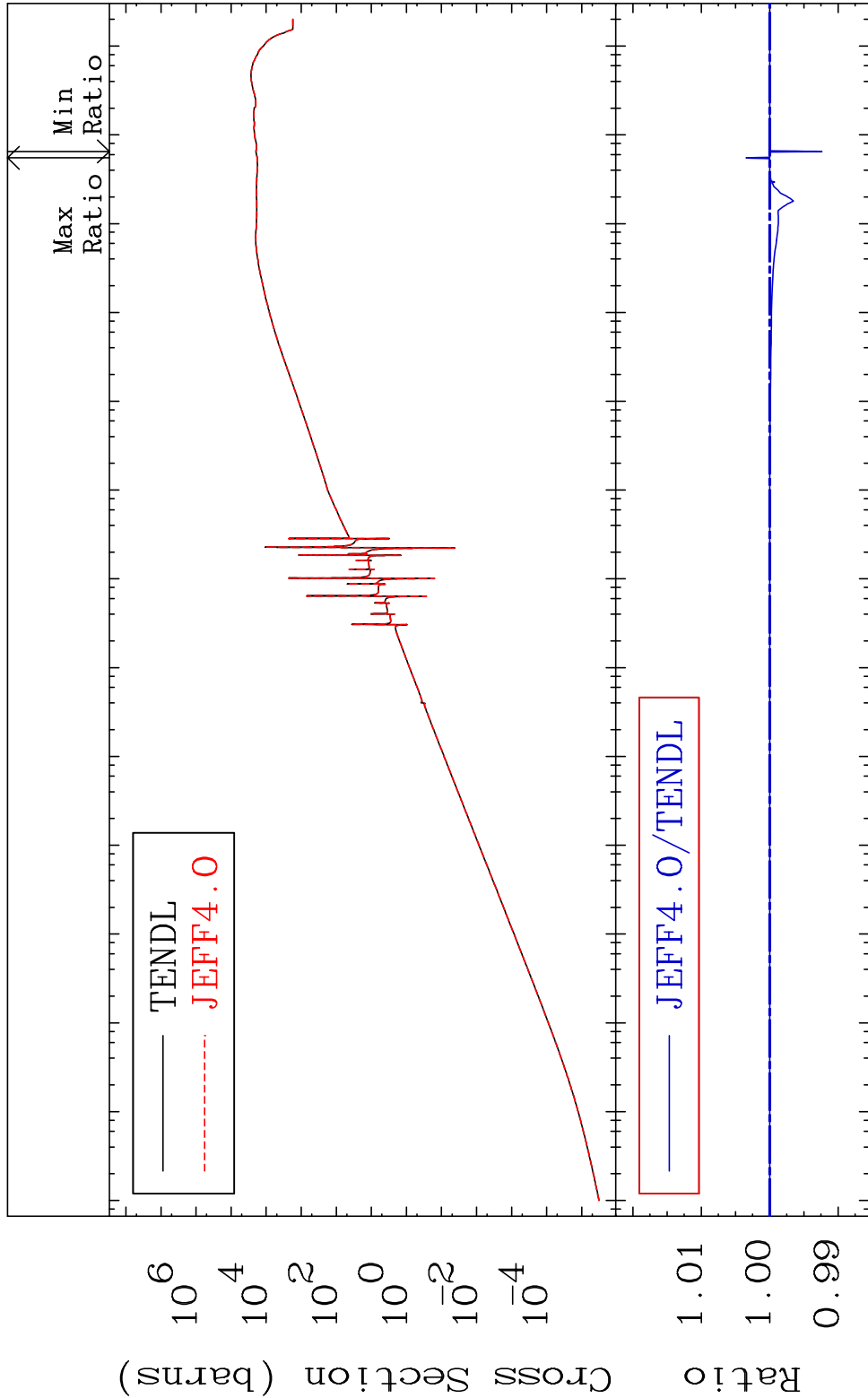


MAT 9452

Kerma elastic

94-Pu-244

Cross Section -0.761 To 0.345 %

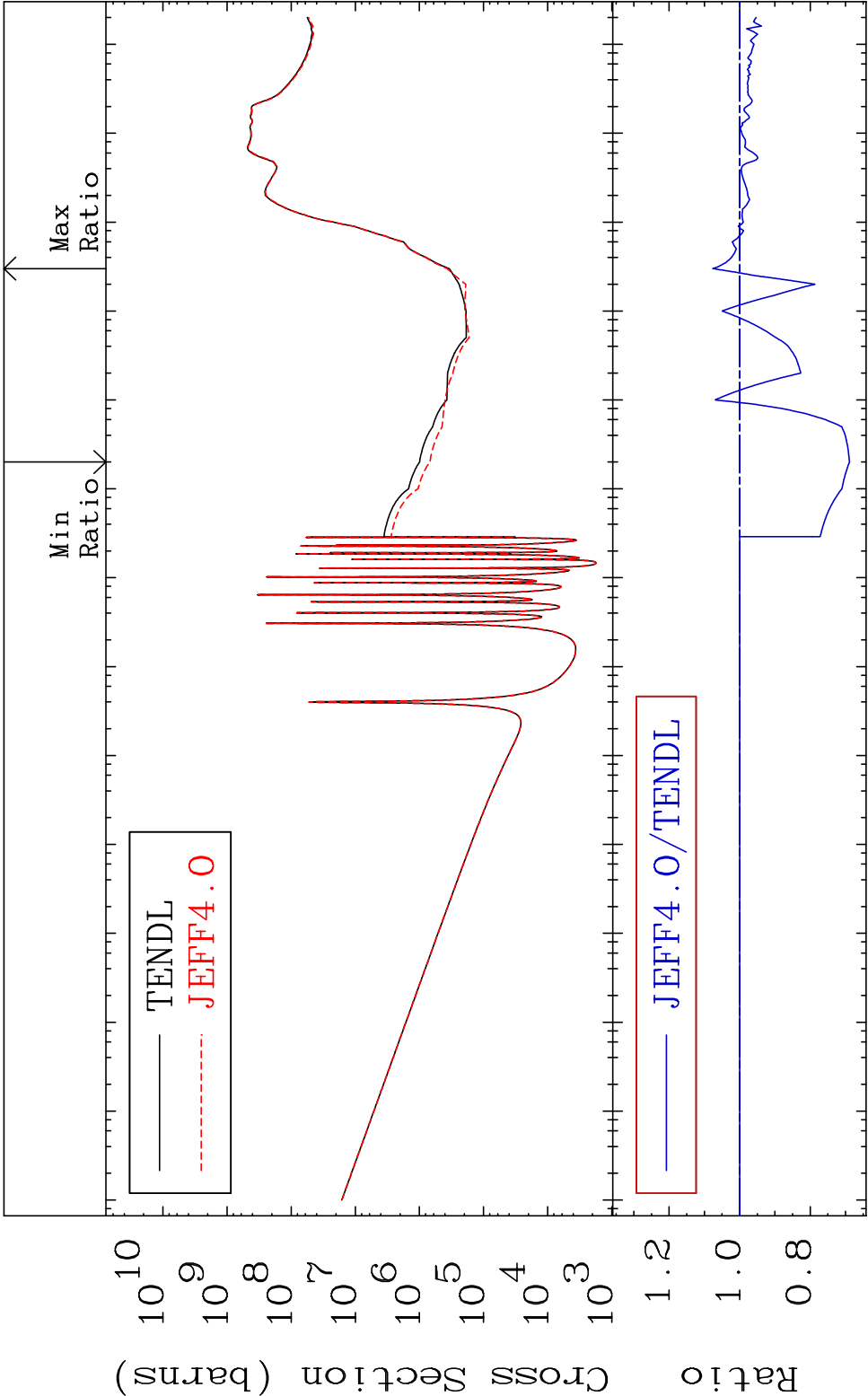


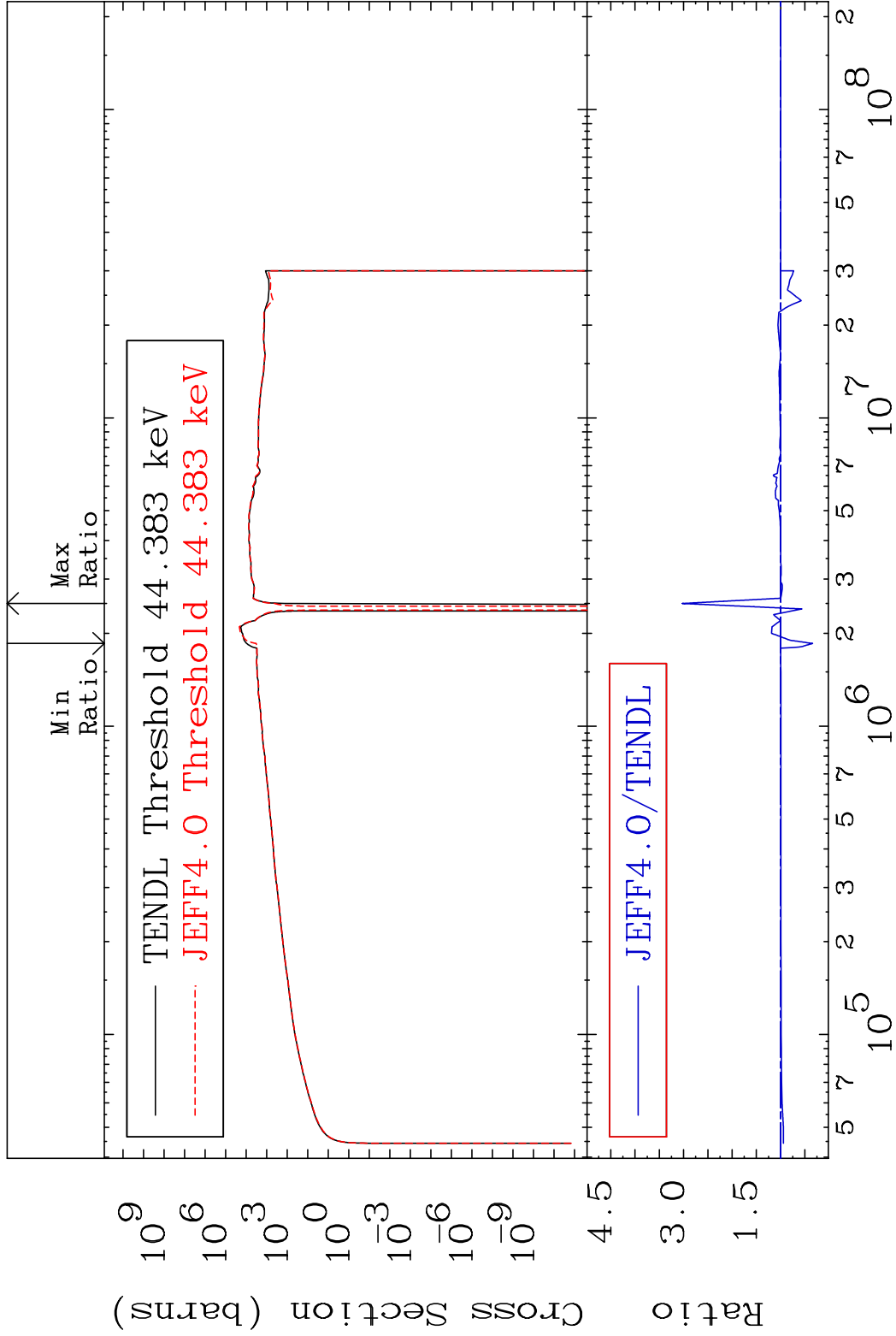
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

65

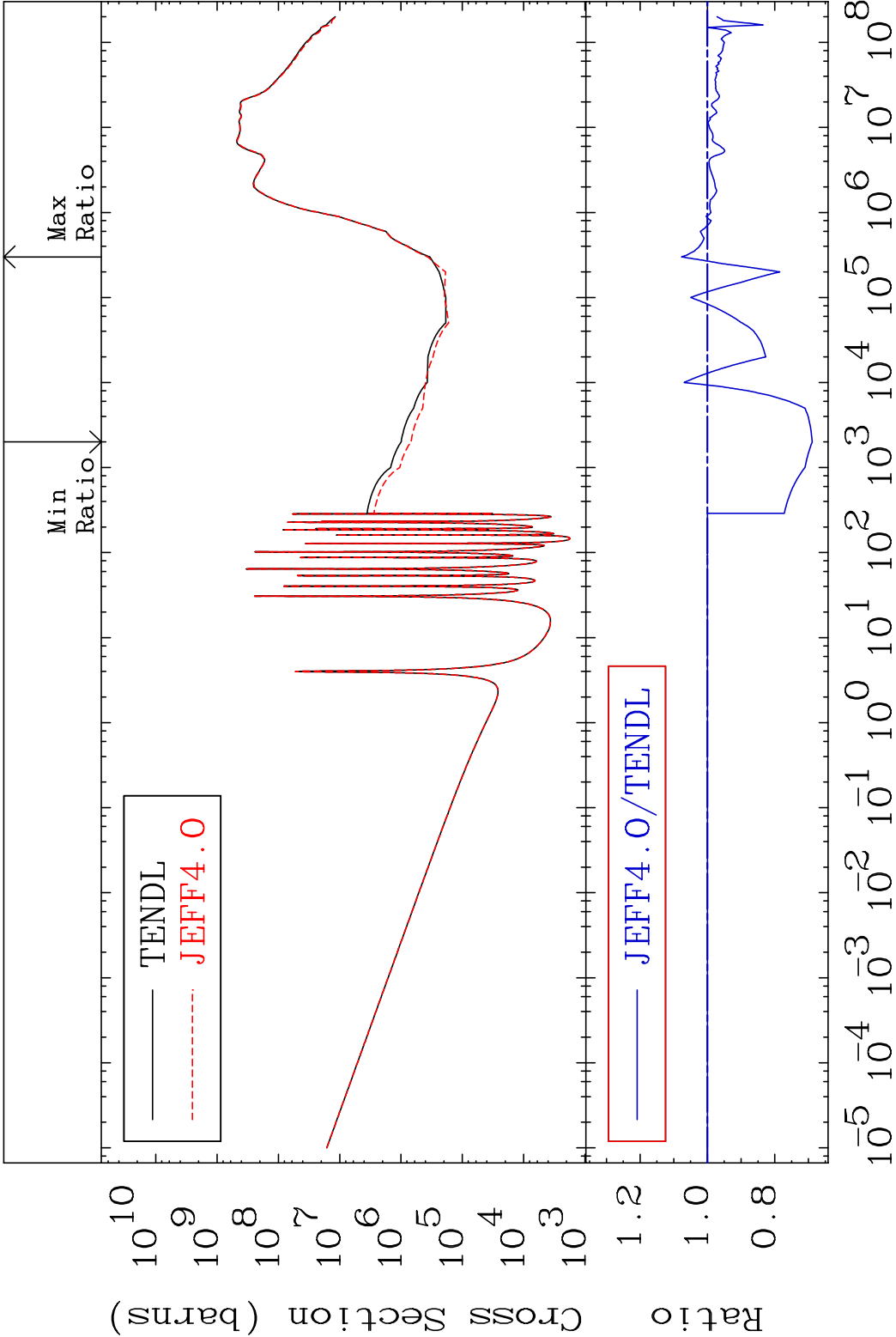
Incident Energy (eV)

94-Pu-244

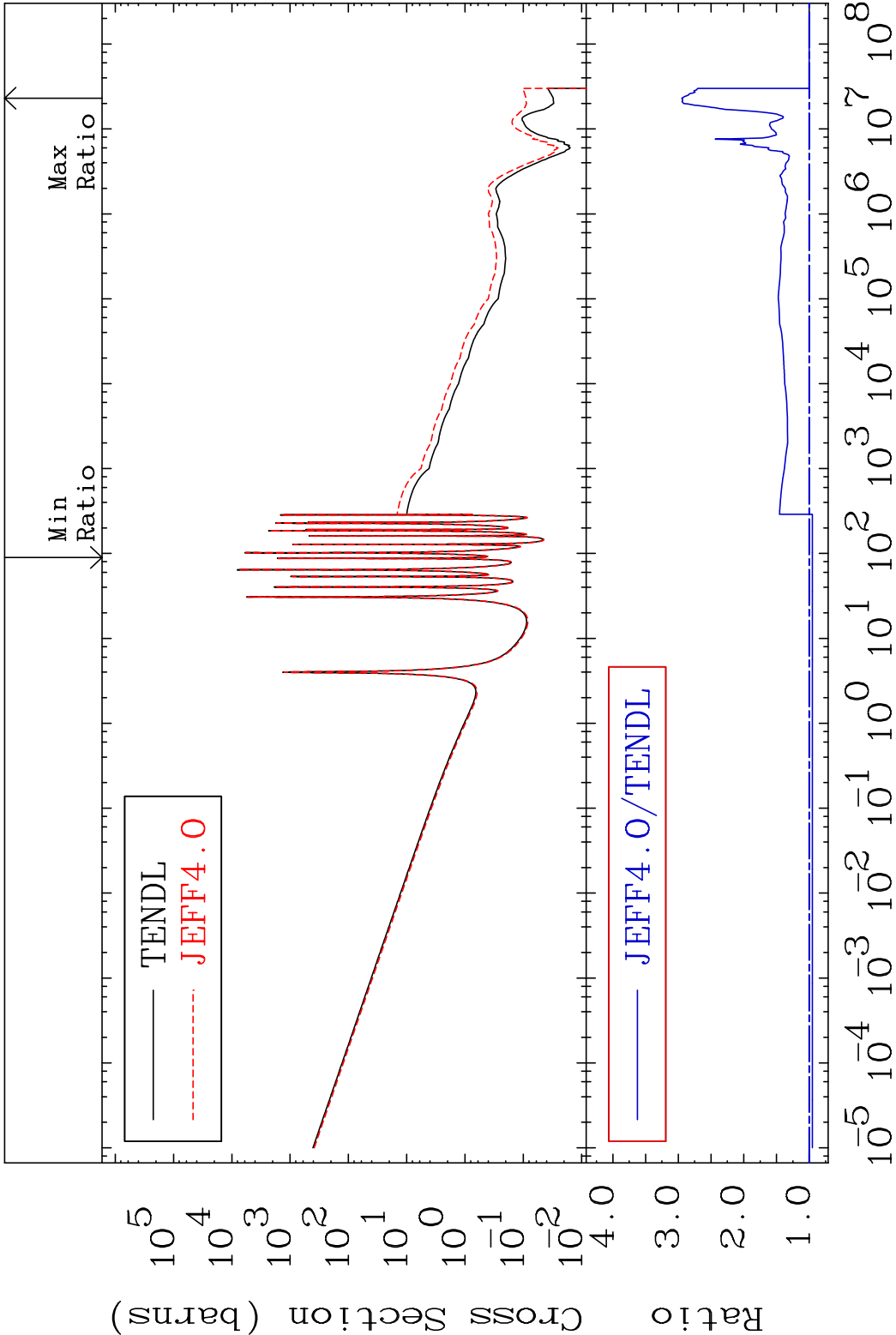




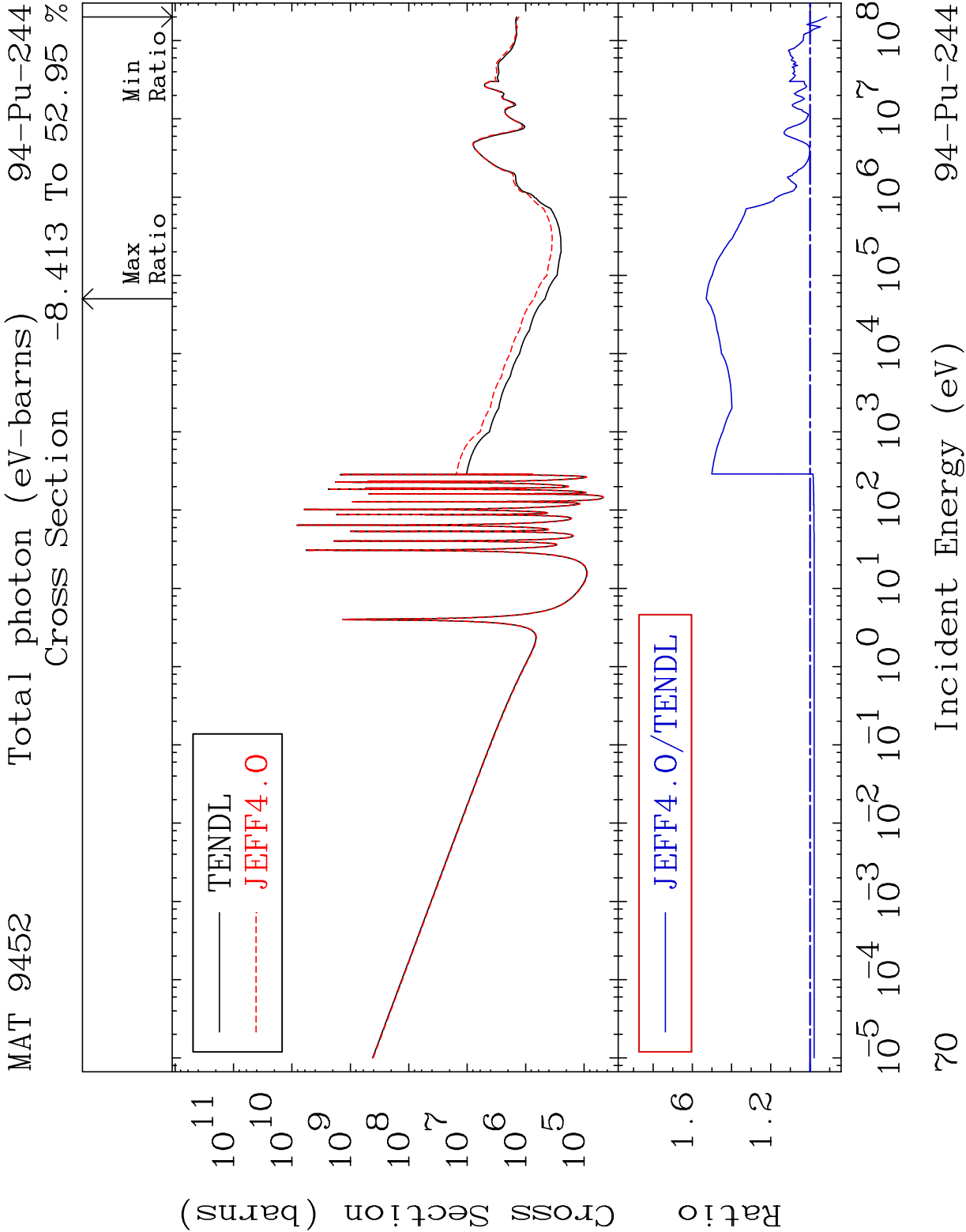
MAT 9452Kerma fission (mt18 or mt19-20-21-38)94-Pu-244
Cross Section -31.13 To 7.691 %



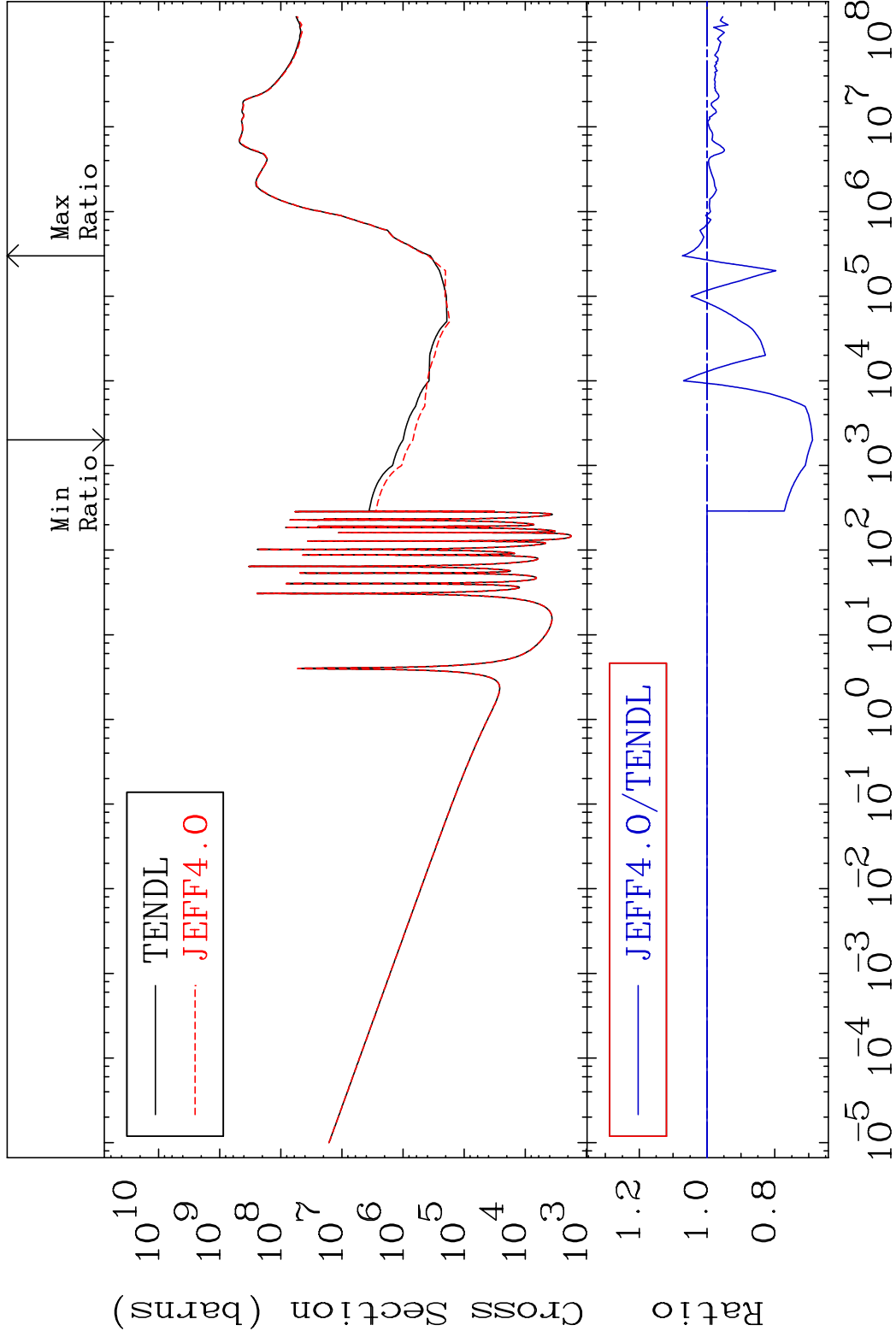
MAT 9452 Kerma capture (mt102) 94-Pu-244
Cross Section -4.746 To 194.8 %



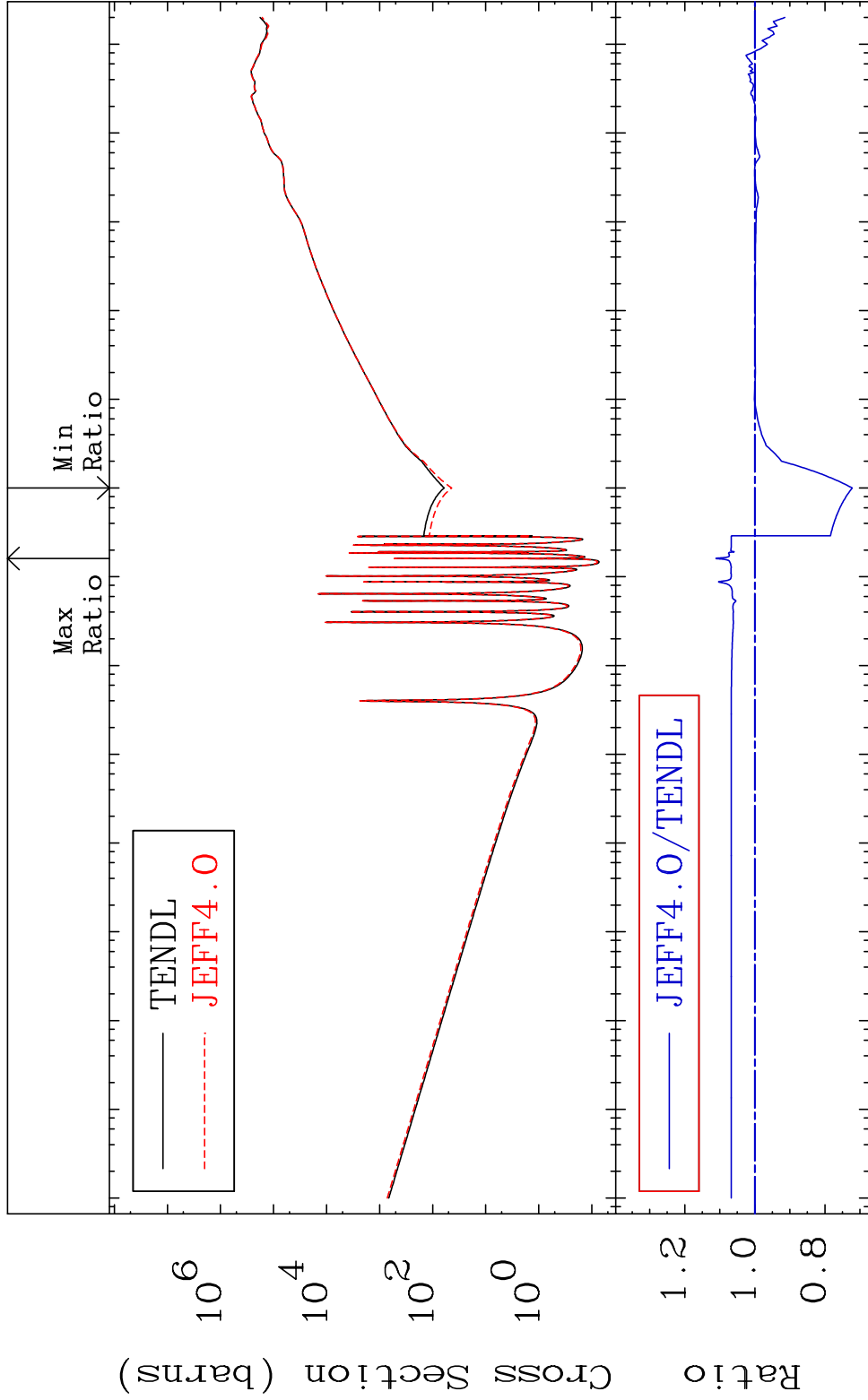
69 Incident Energy (eV) 94-Pu-244



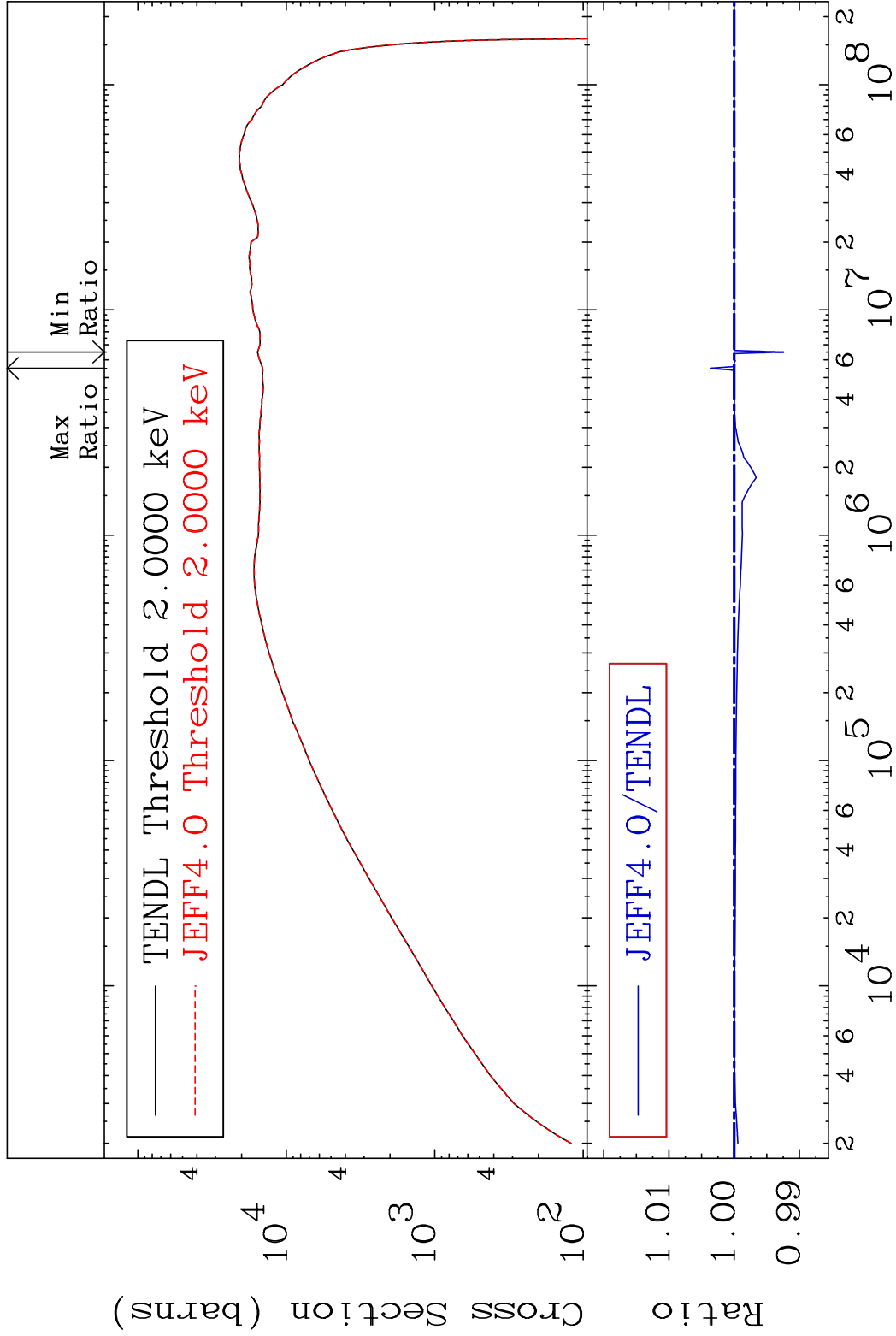
MAT 9452 Total kinematic kerma (high limit) 94-Pu-244
Cross Section -31.12 To 7.284 %

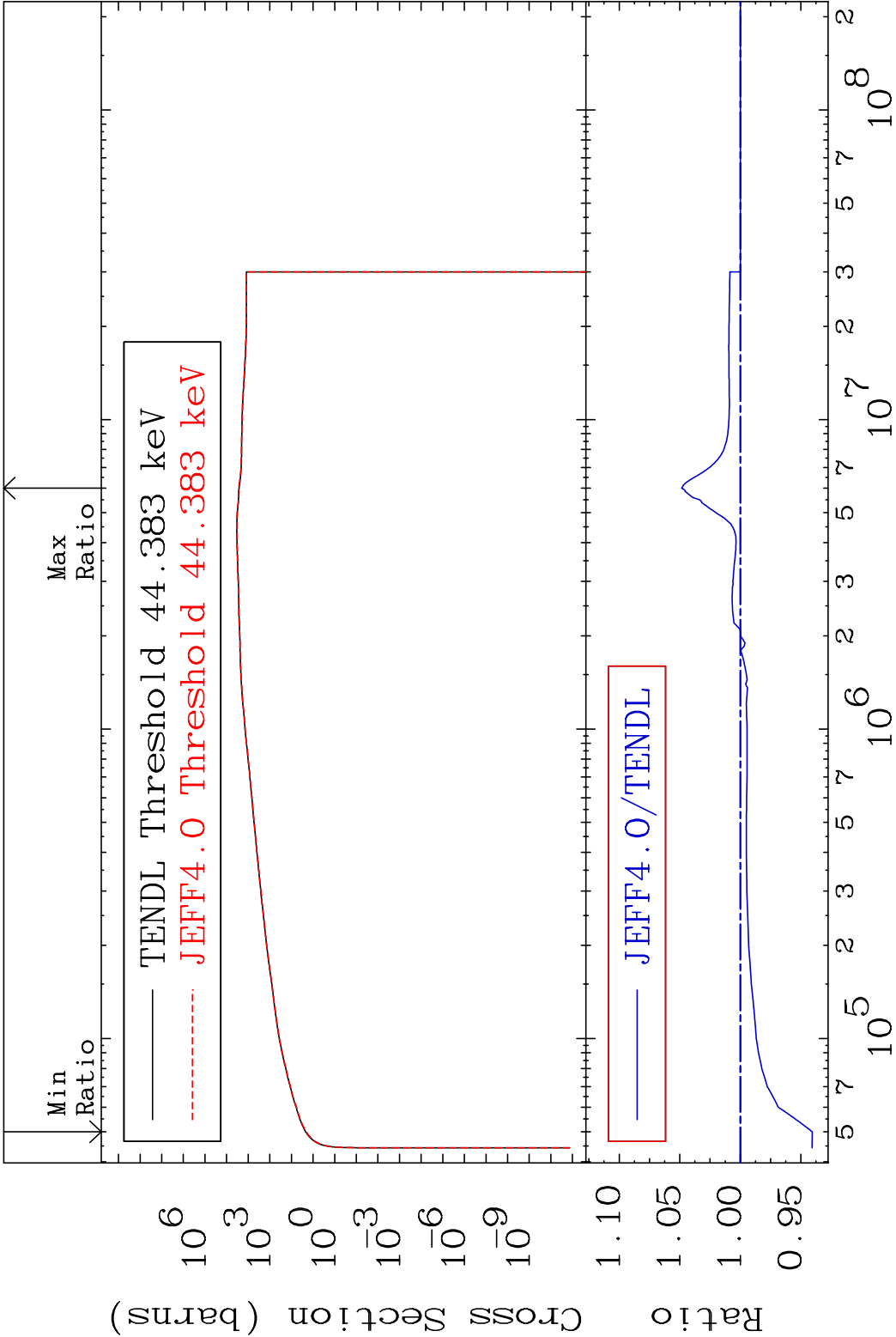


MAT 9452 Dpa total (eV-barns) 94-Pu-244
Cross Section -27.79 To 11.18 %

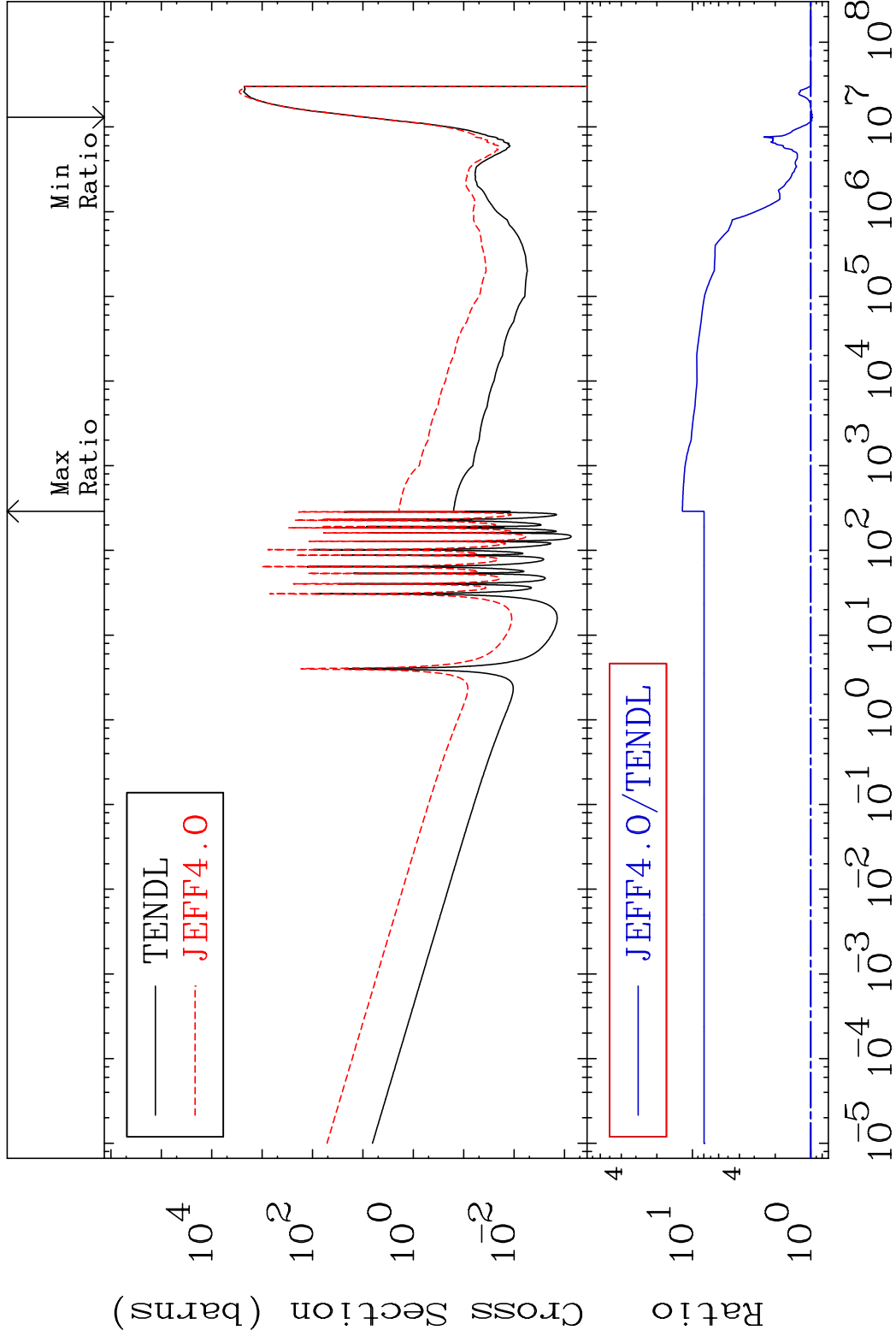


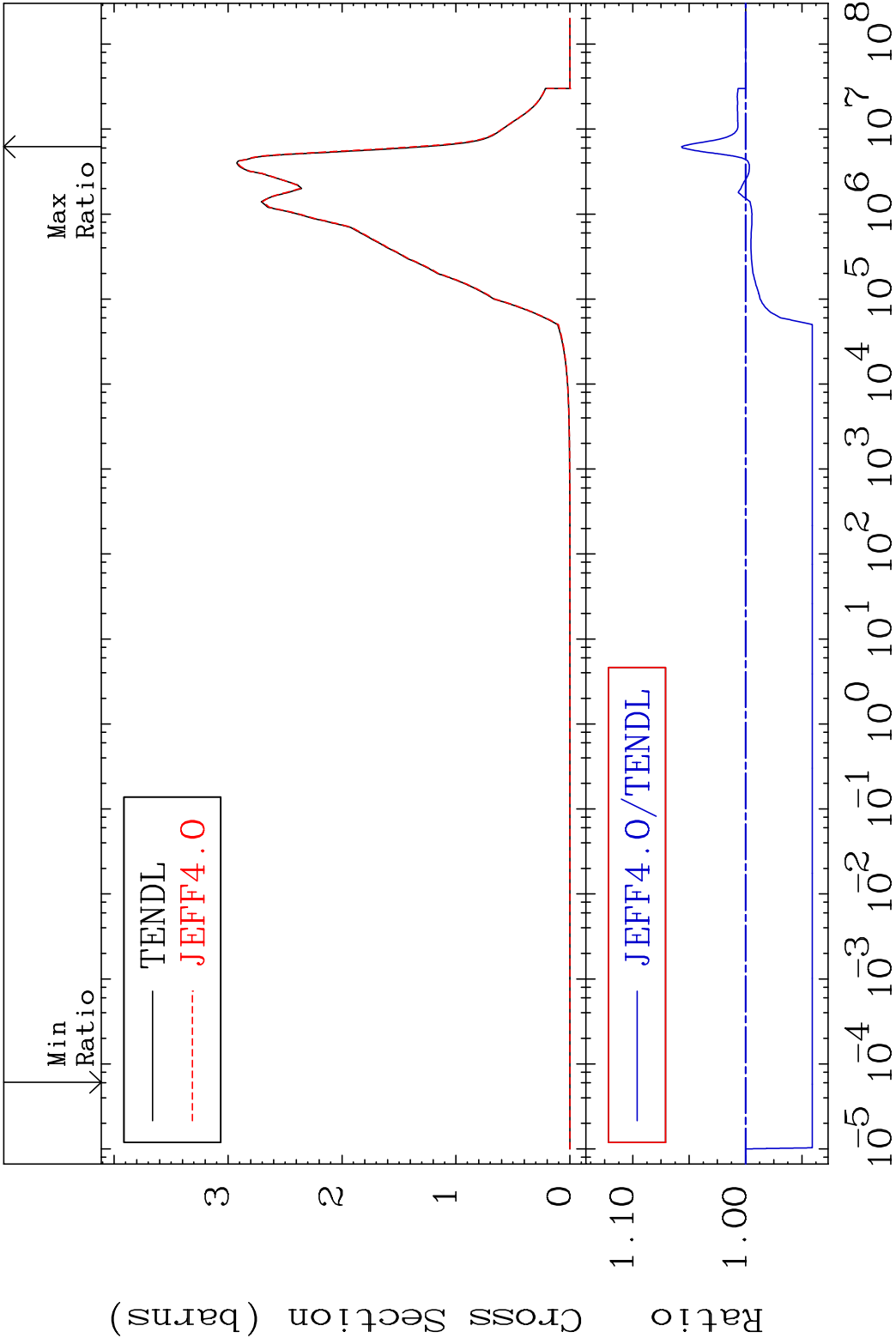
MAT 9452 Dpa elastic (mt2) 94-Pu-244
Cross Section -0.760 To 0.354 %

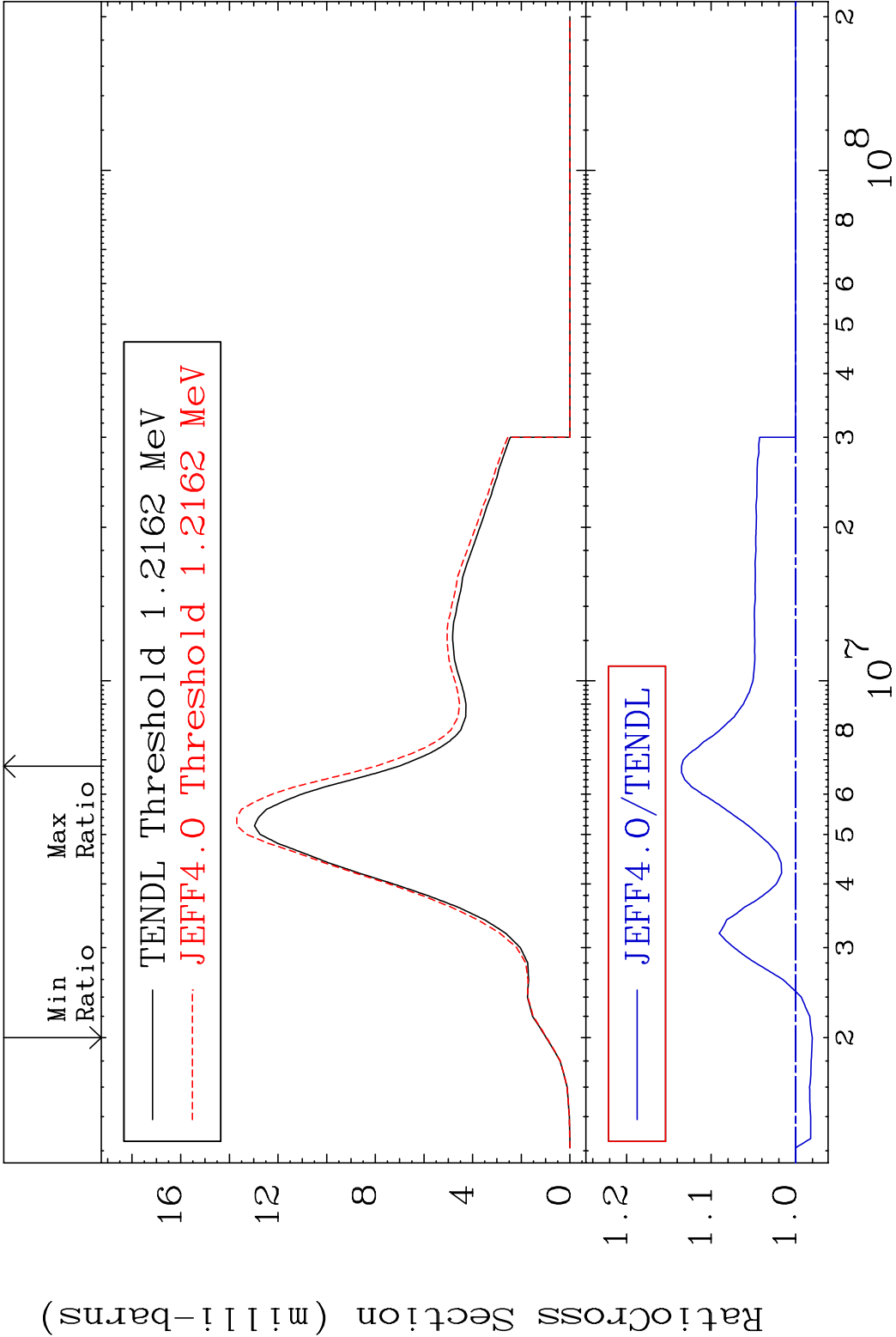


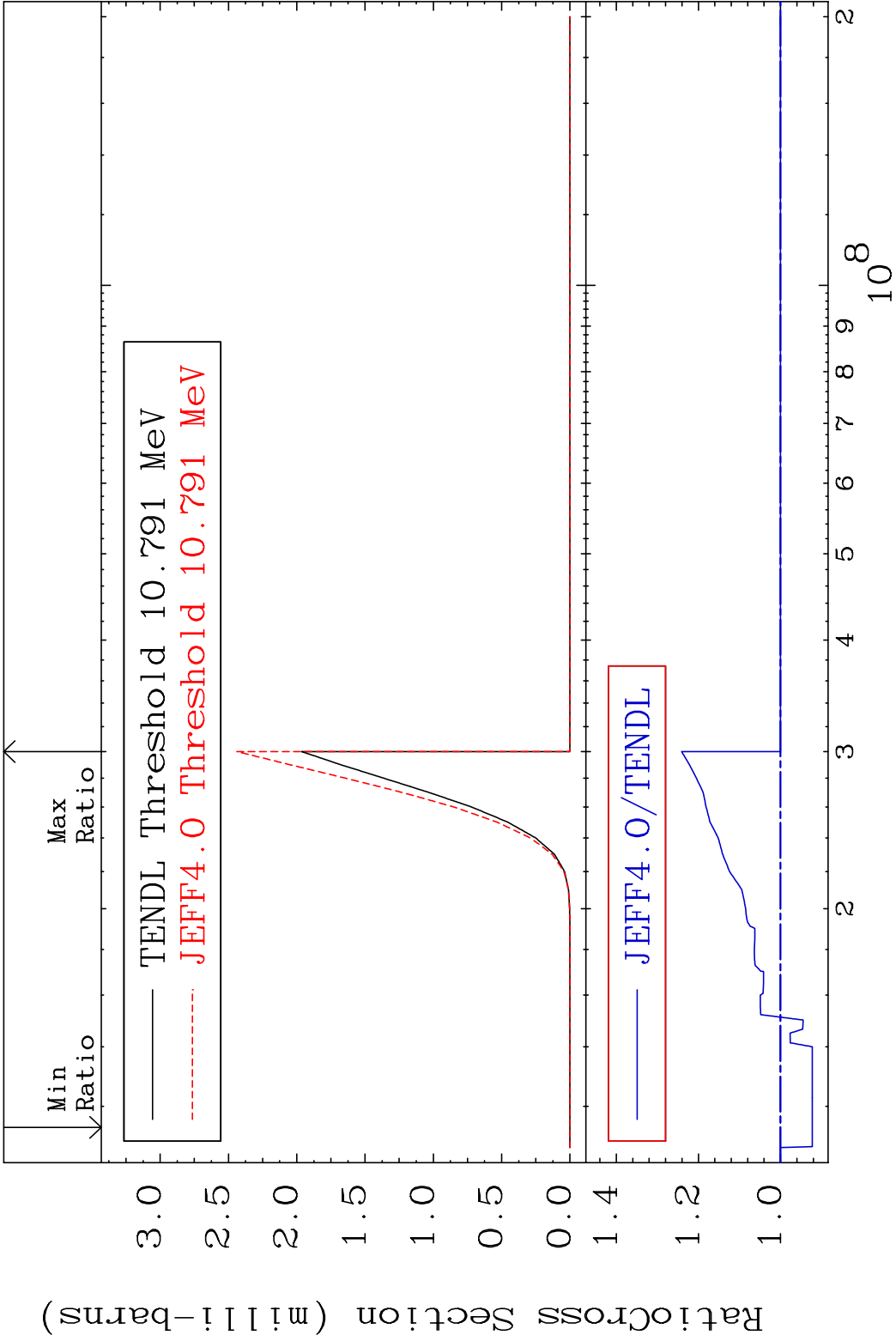


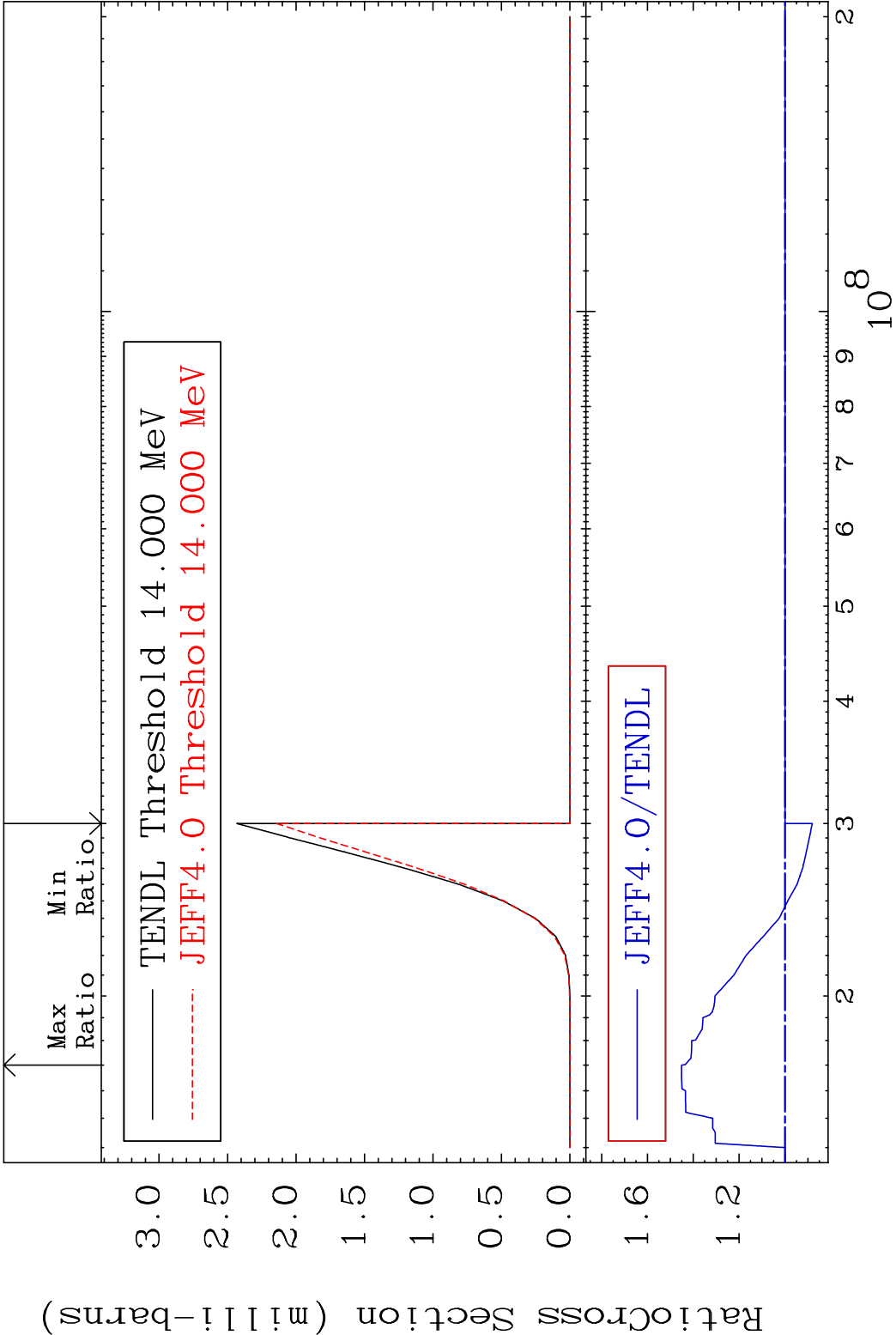
MAT 9452 Dpa disappearance (mt102 -120) 94-Pu-244
Cross Section -3.457 To 1117. %

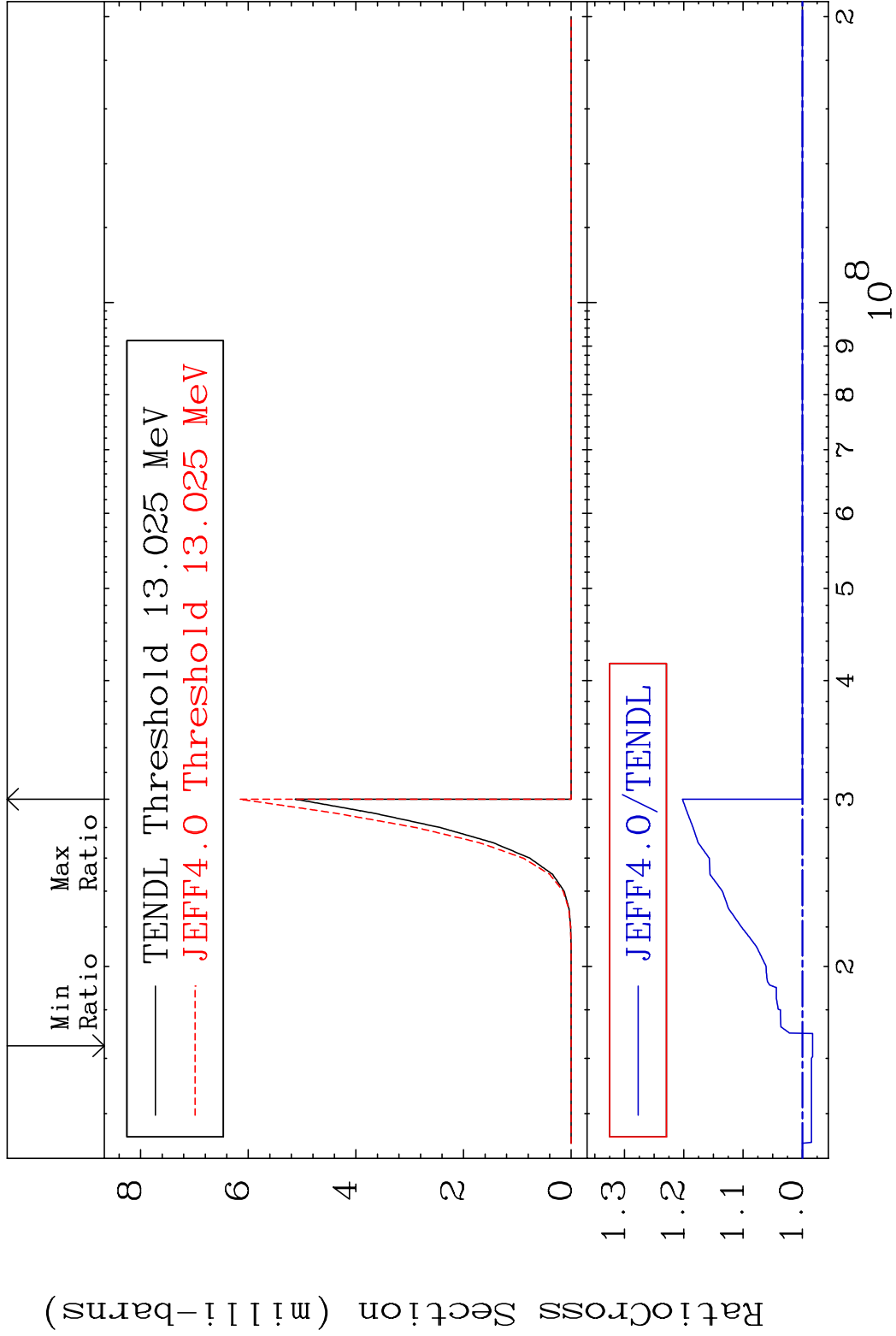


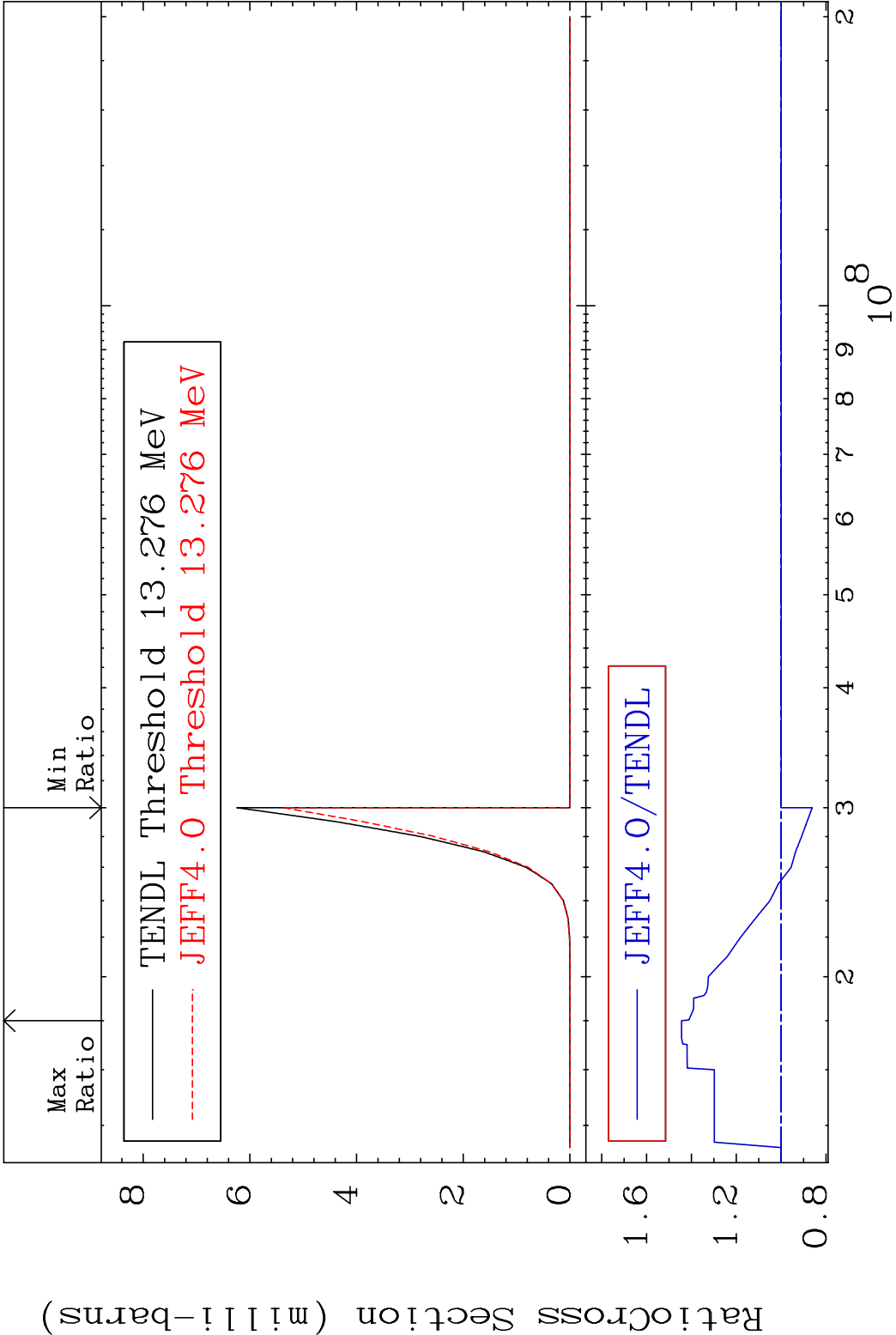


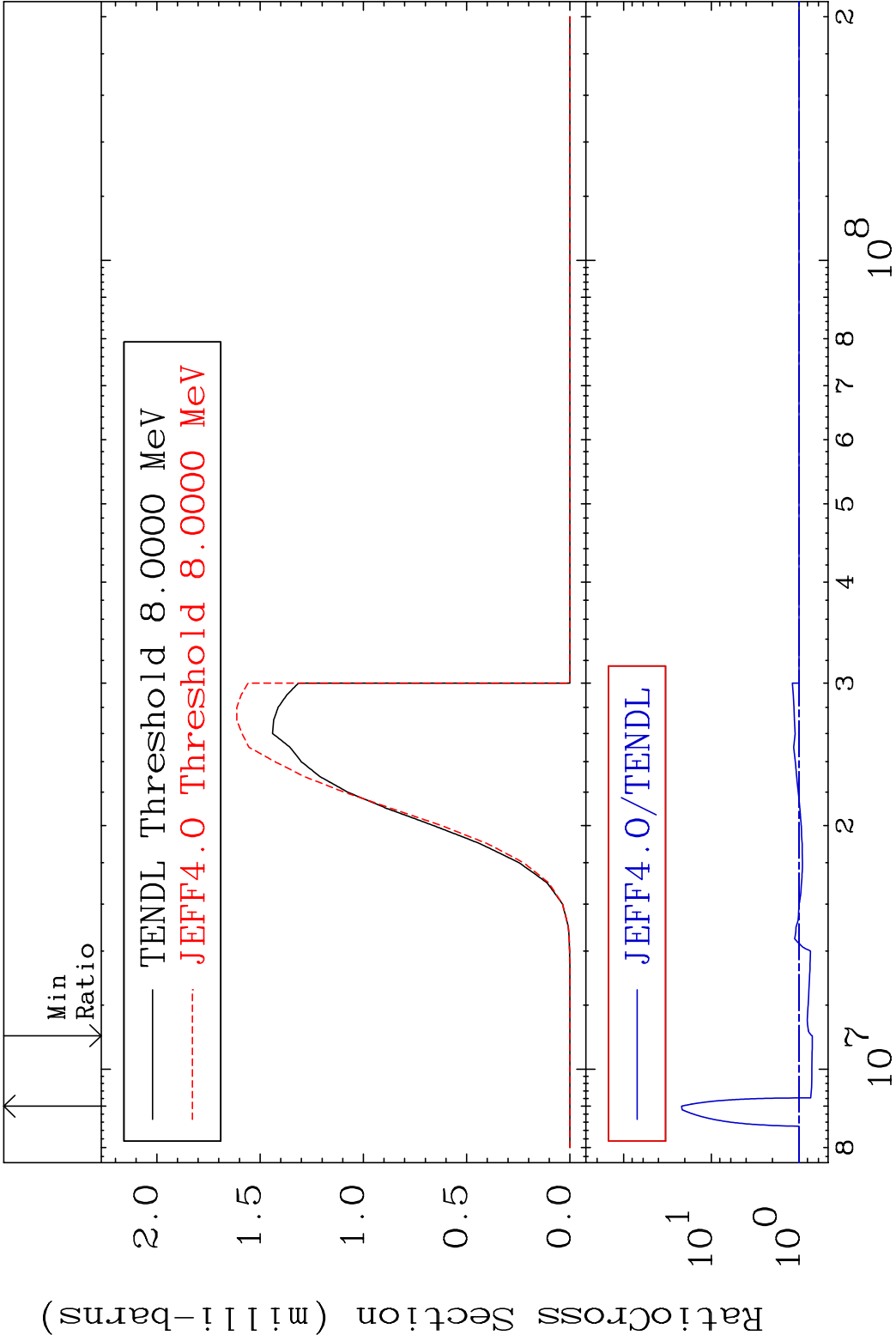












Radionuclide	Production Cross-Section	Yield	Decay
^{137}Cs	64.5 mb	74.02 %	β^- to ^{137}Ba

74.02%

74.02%

