

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

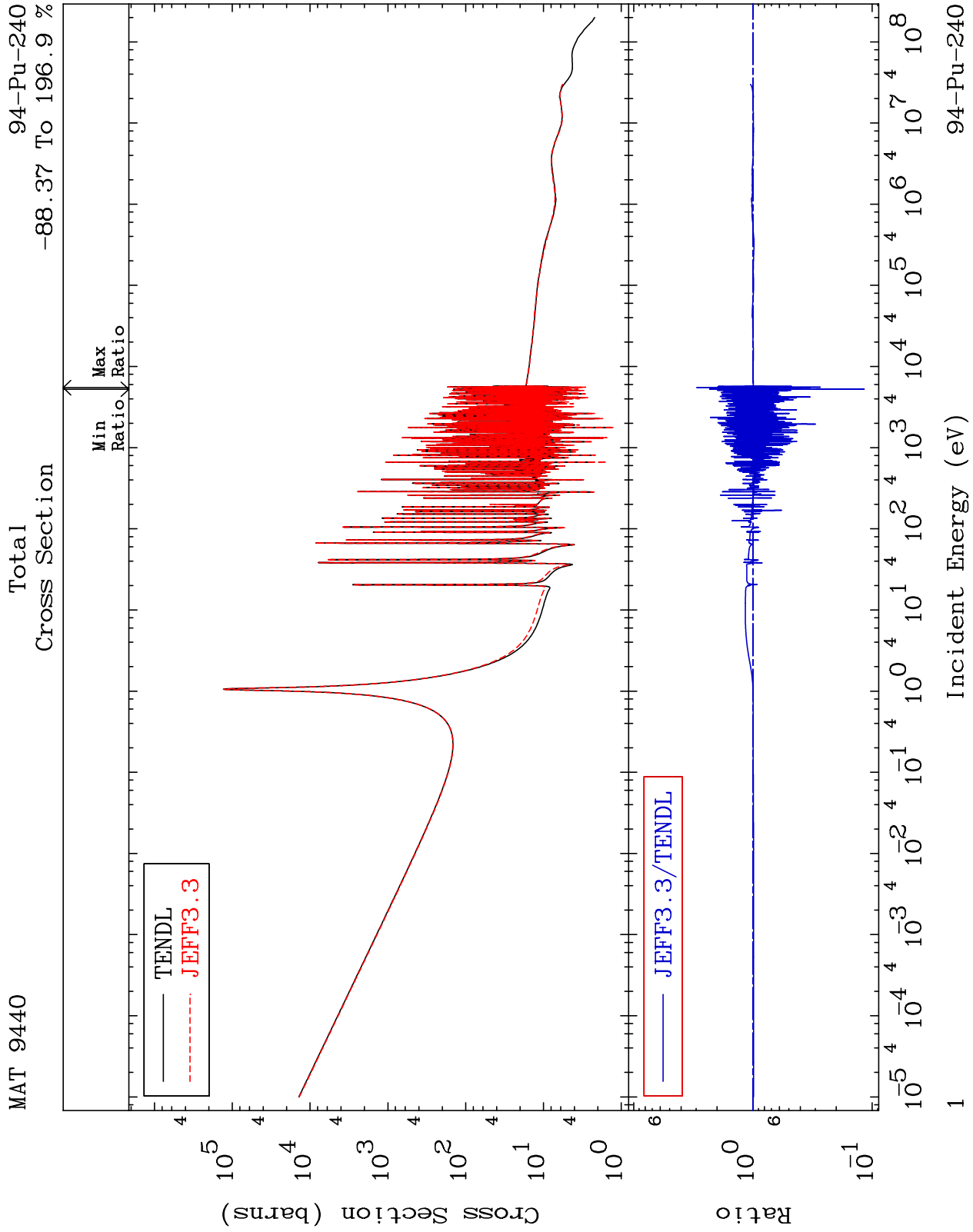
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Press Mouse Button to Start



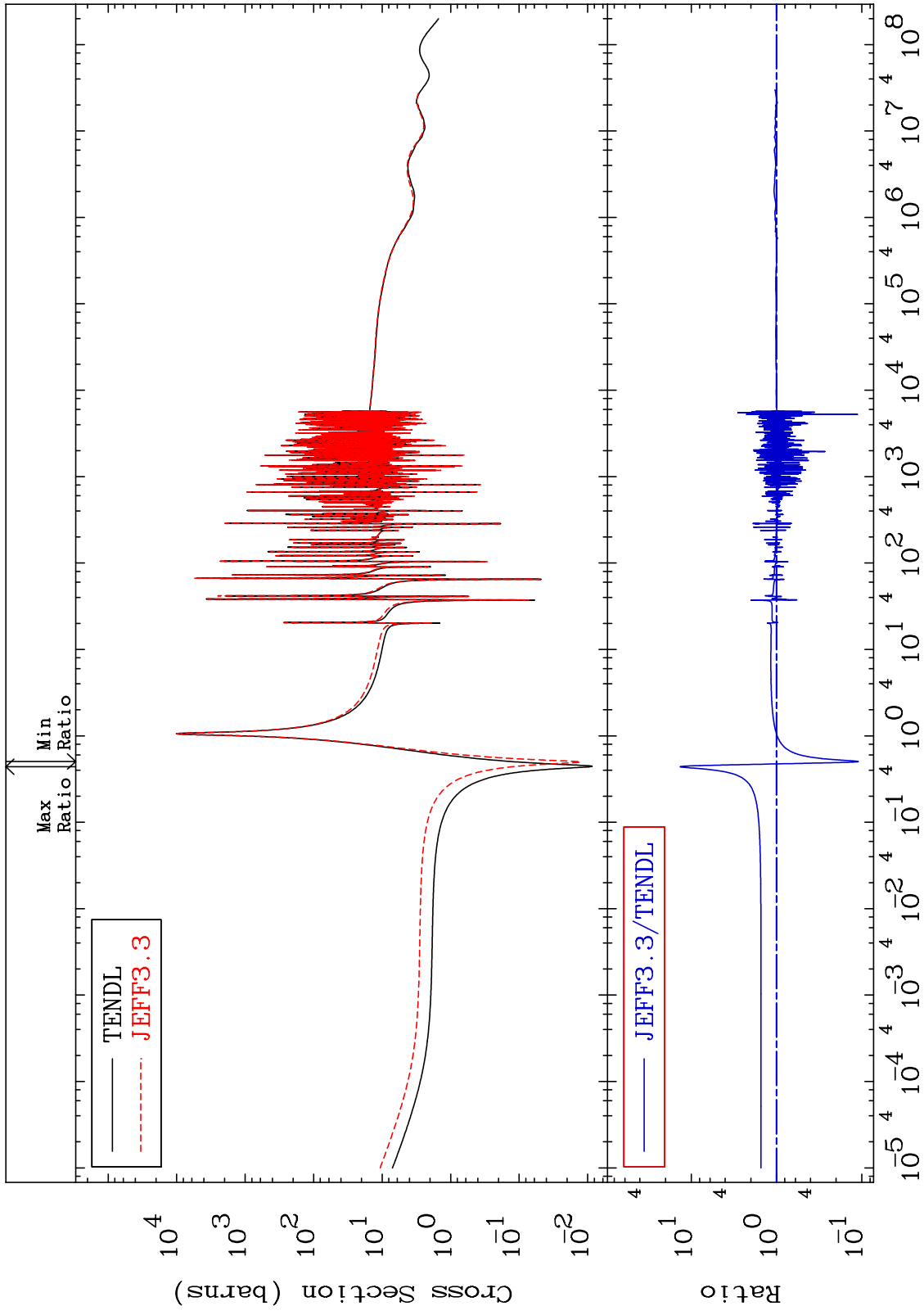
MAT 9440

Elastic

94-Pu-240

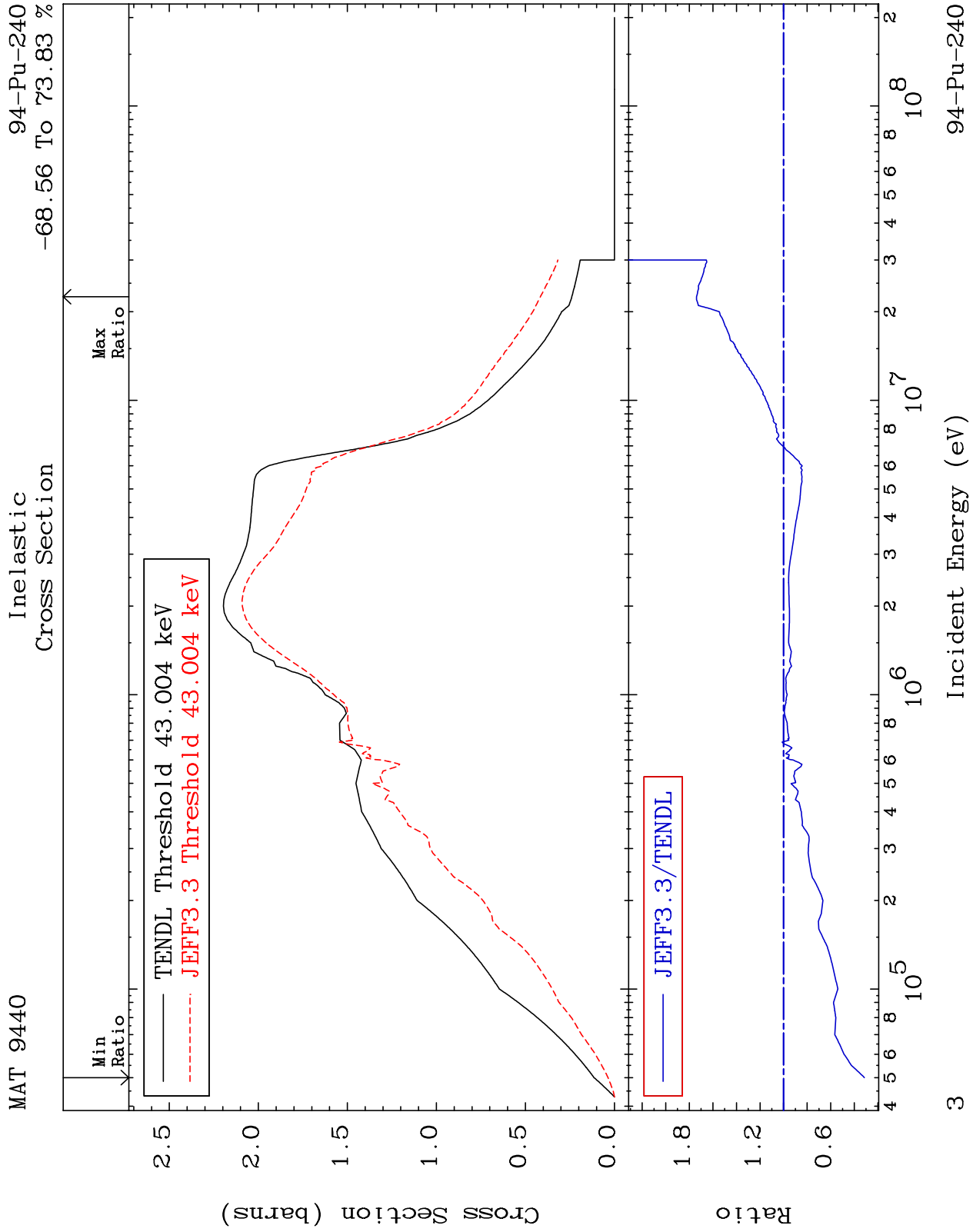
Cross Section

-89.03 To 1261. %

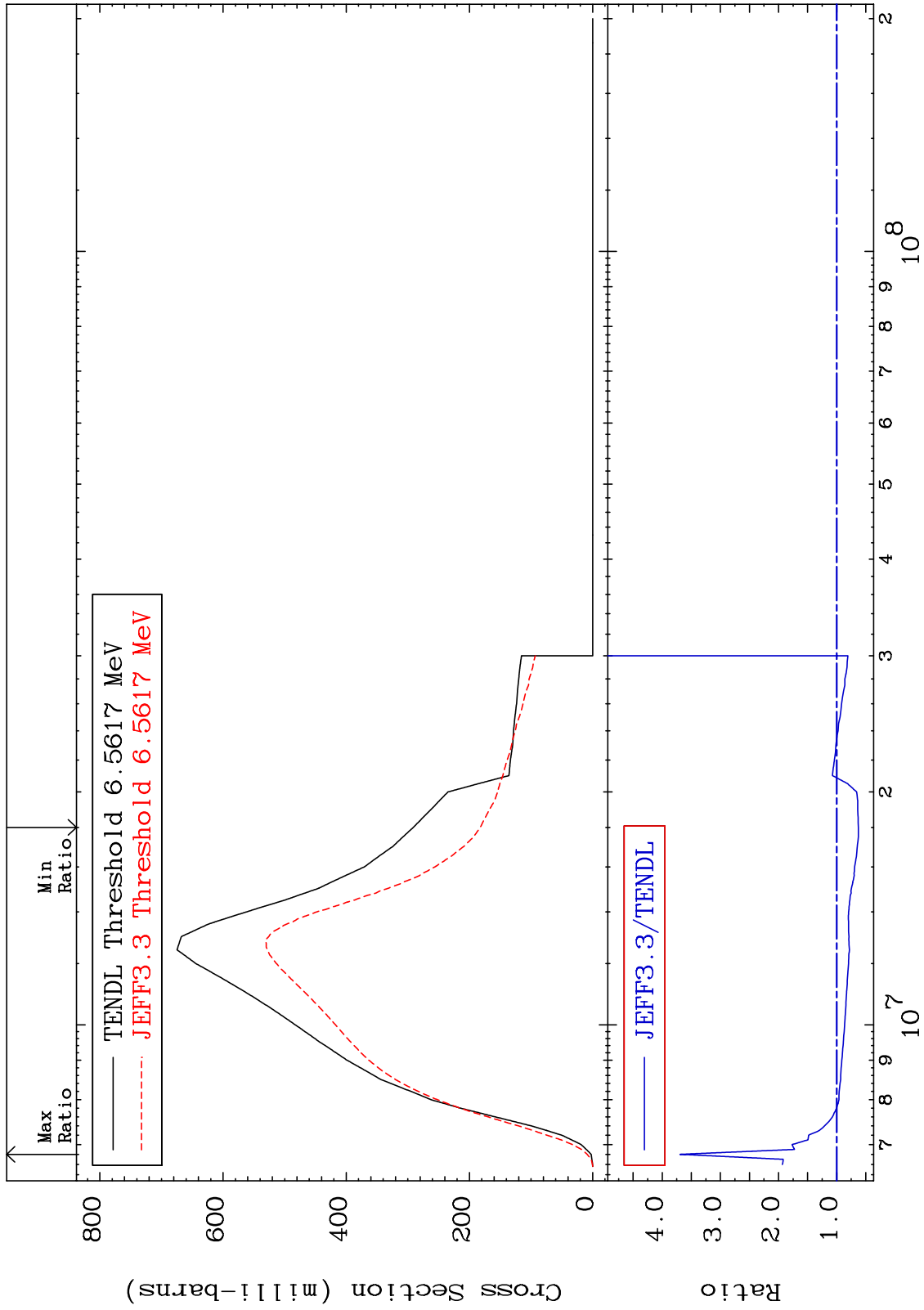


94-Pu-240

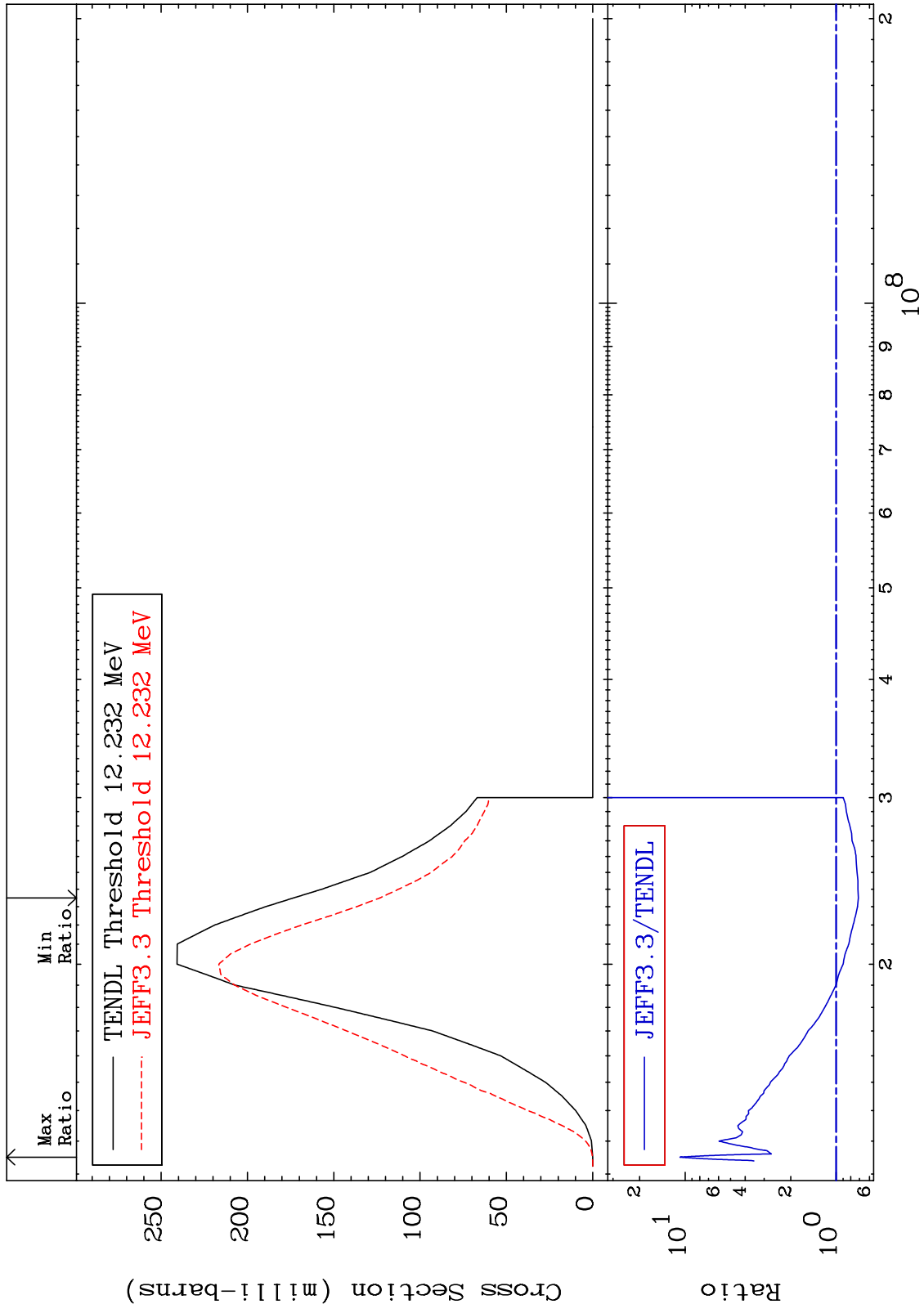
Incident Energy (eV)



MAT 9440 (n,2n) Cross Section 94-Pu-240 -37.30 To 269.4 %



MAT 9440 (n,3n) 94-Pu-240
 Cross Section -28.85 To 980.9 %



94-Pu-240 Incident Energy (eV)

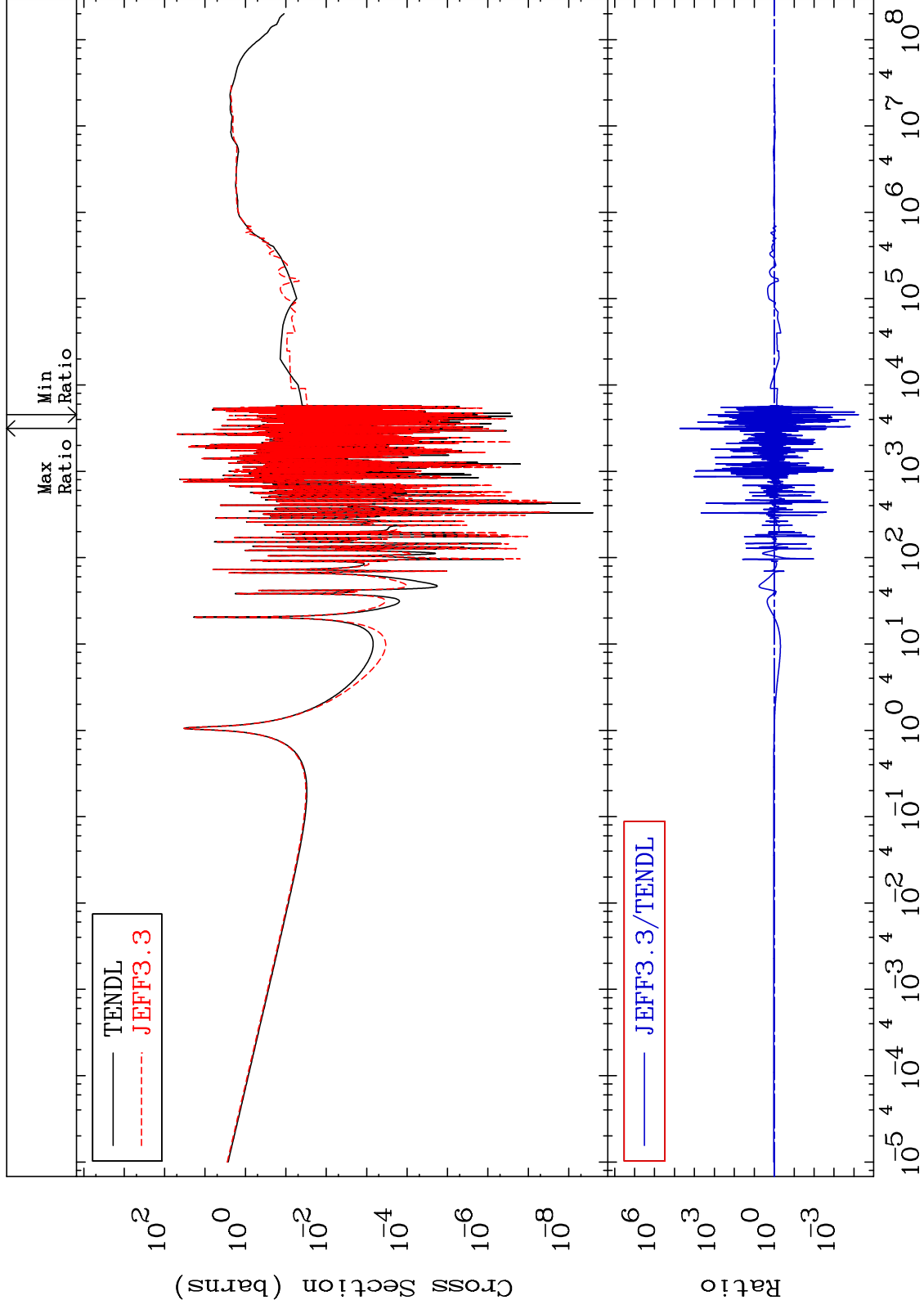
MAT 9440

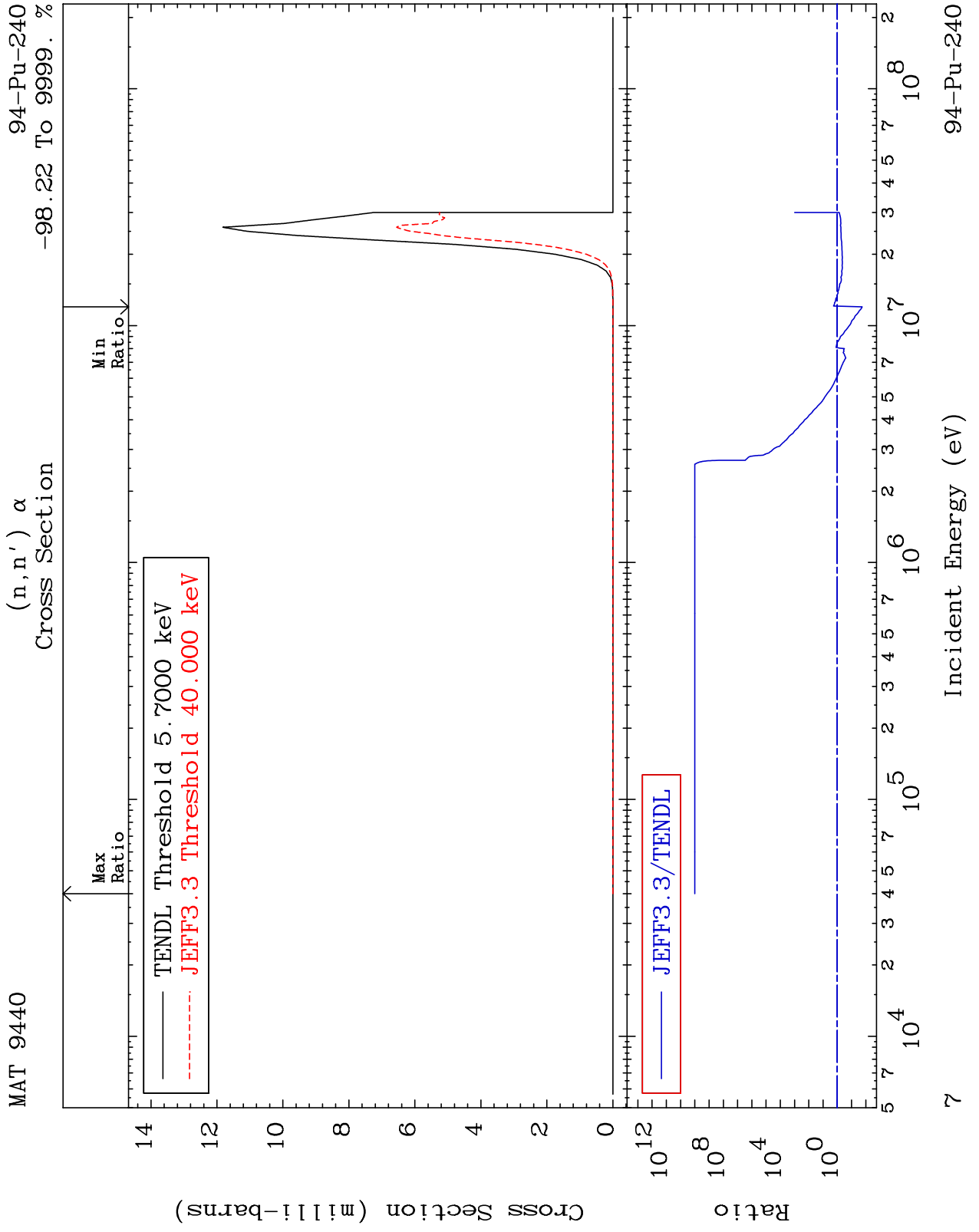
Fission

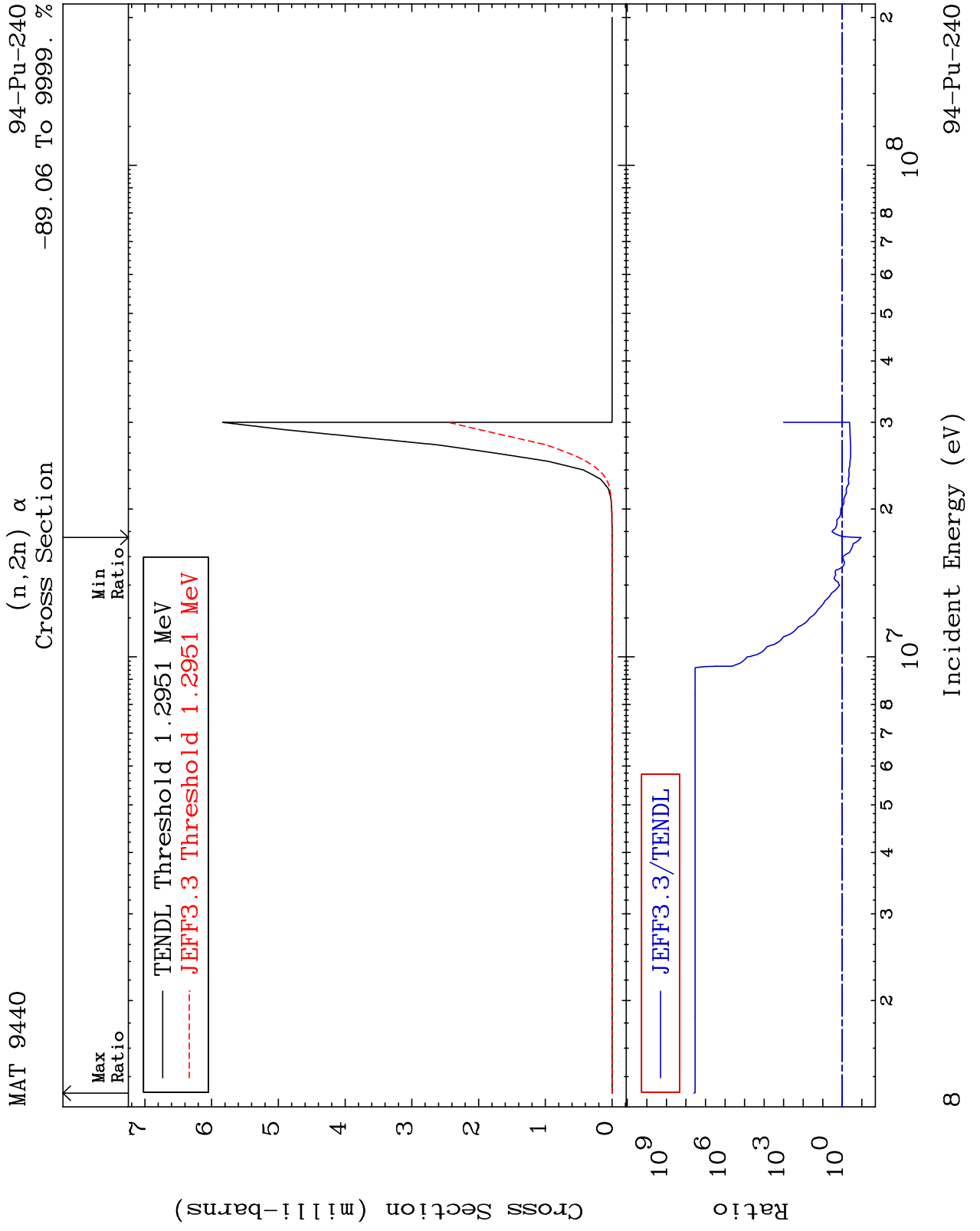
94-Pu-240

Cross Section

-99.99 To 9999. %







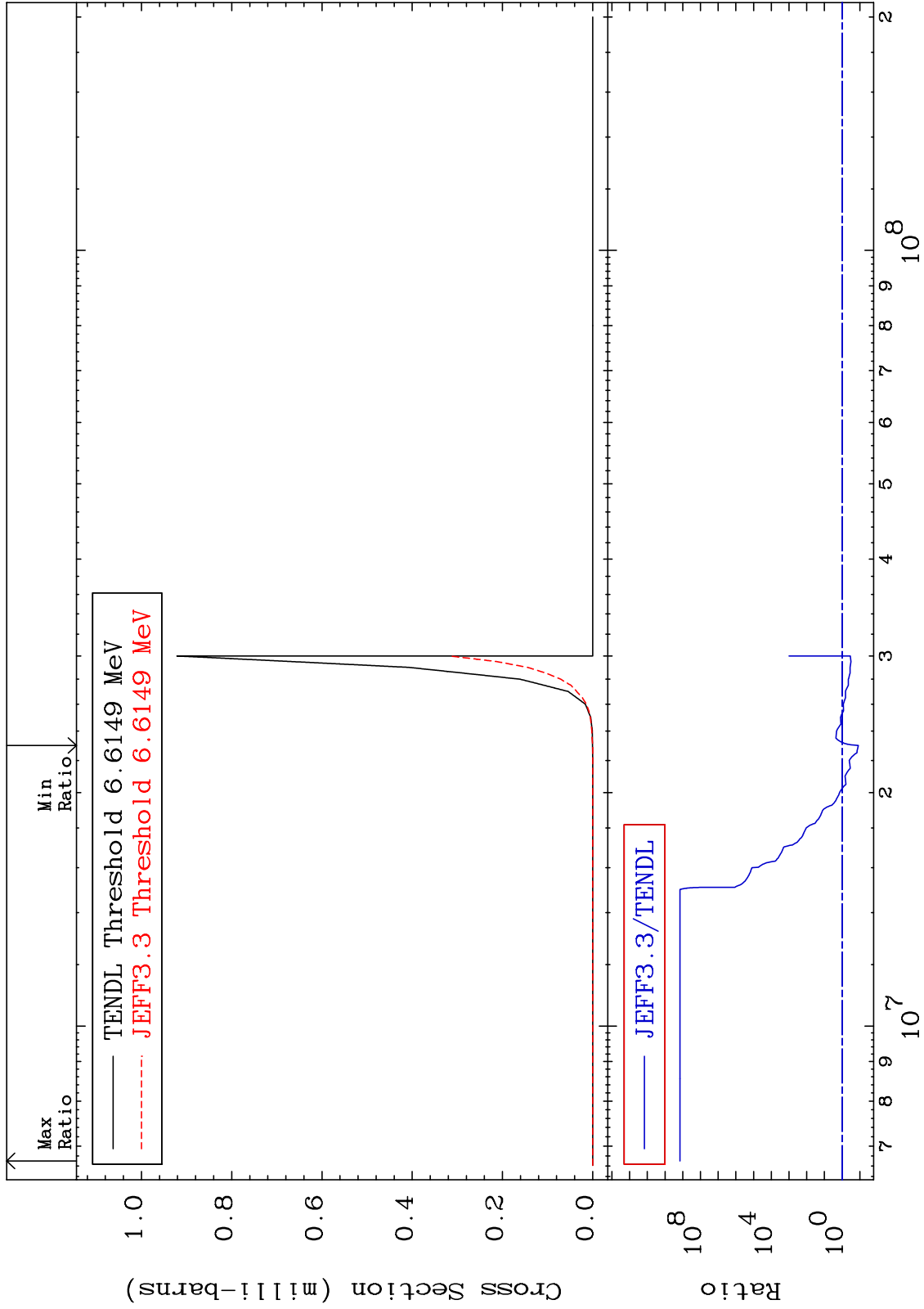
MAT 9440

(n,3n) α

94-Pu-240

Cross Section

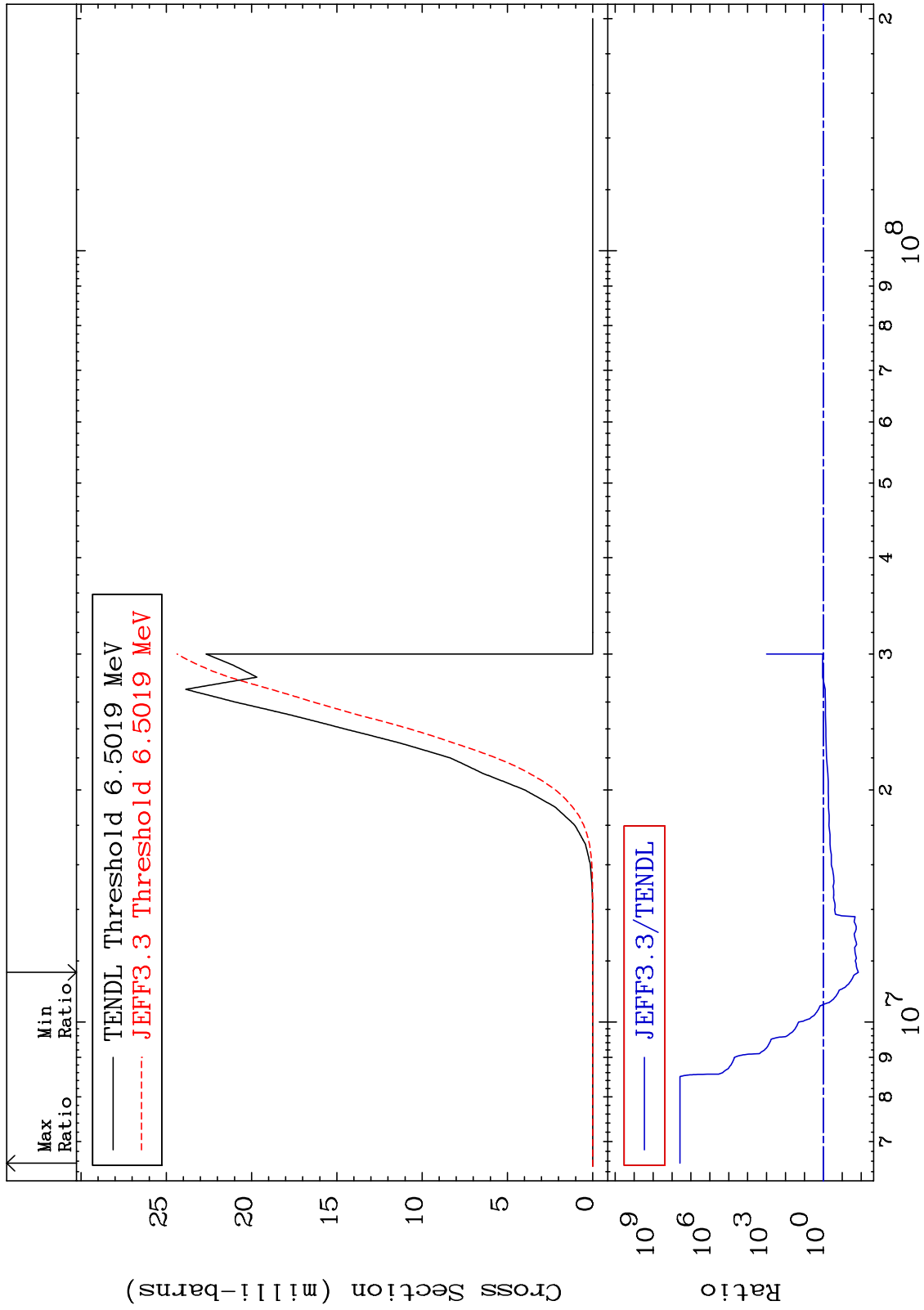
-87.94 To 9999. %



MAT 9440

(n,n') p
Cross Section

94-Pu-240
-98.61 To 9999. %



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Incident Energy (eV)

94-Pu-240

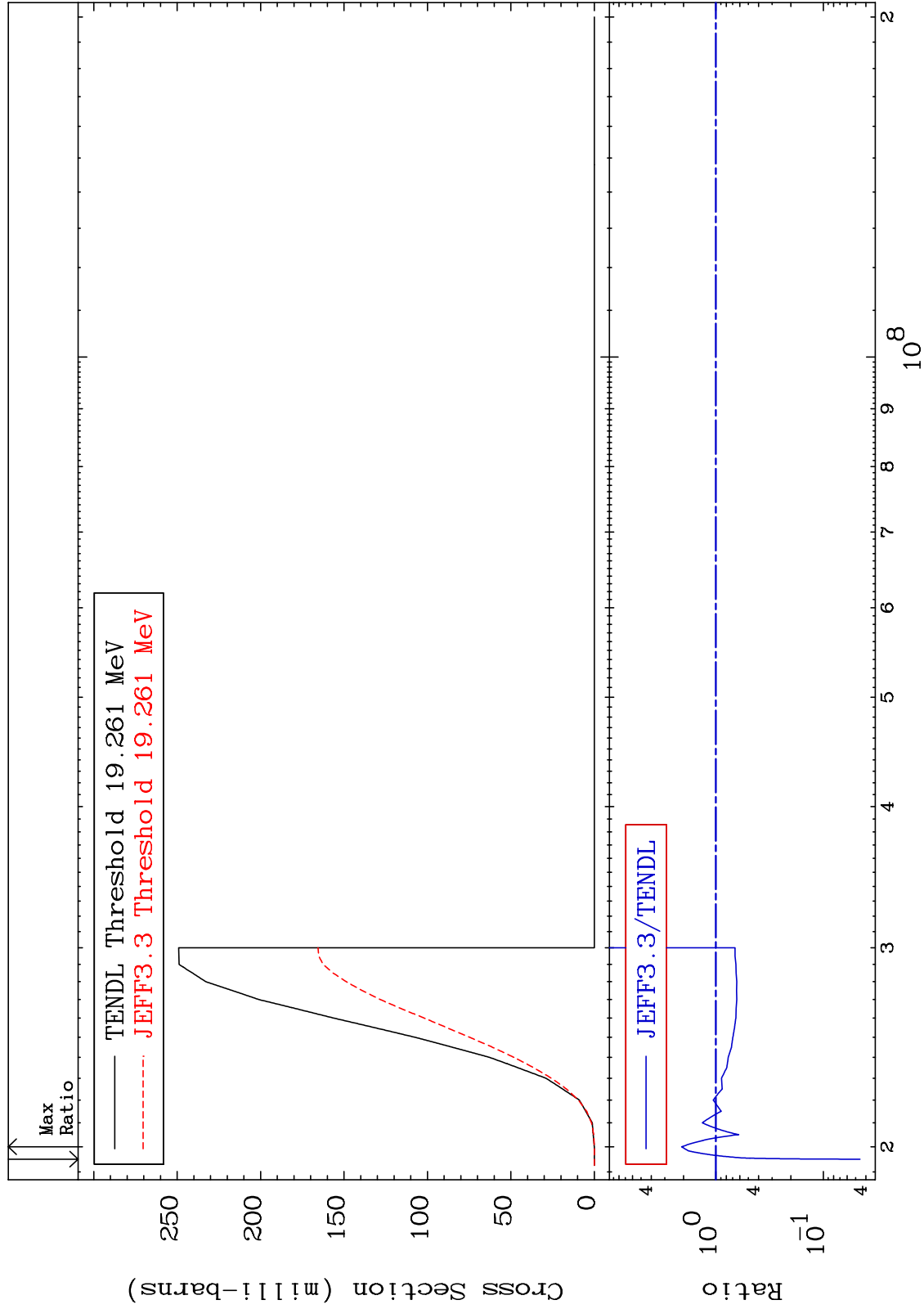
MAT 9440

(n, 4n)

94-Pu-240

Cross Section

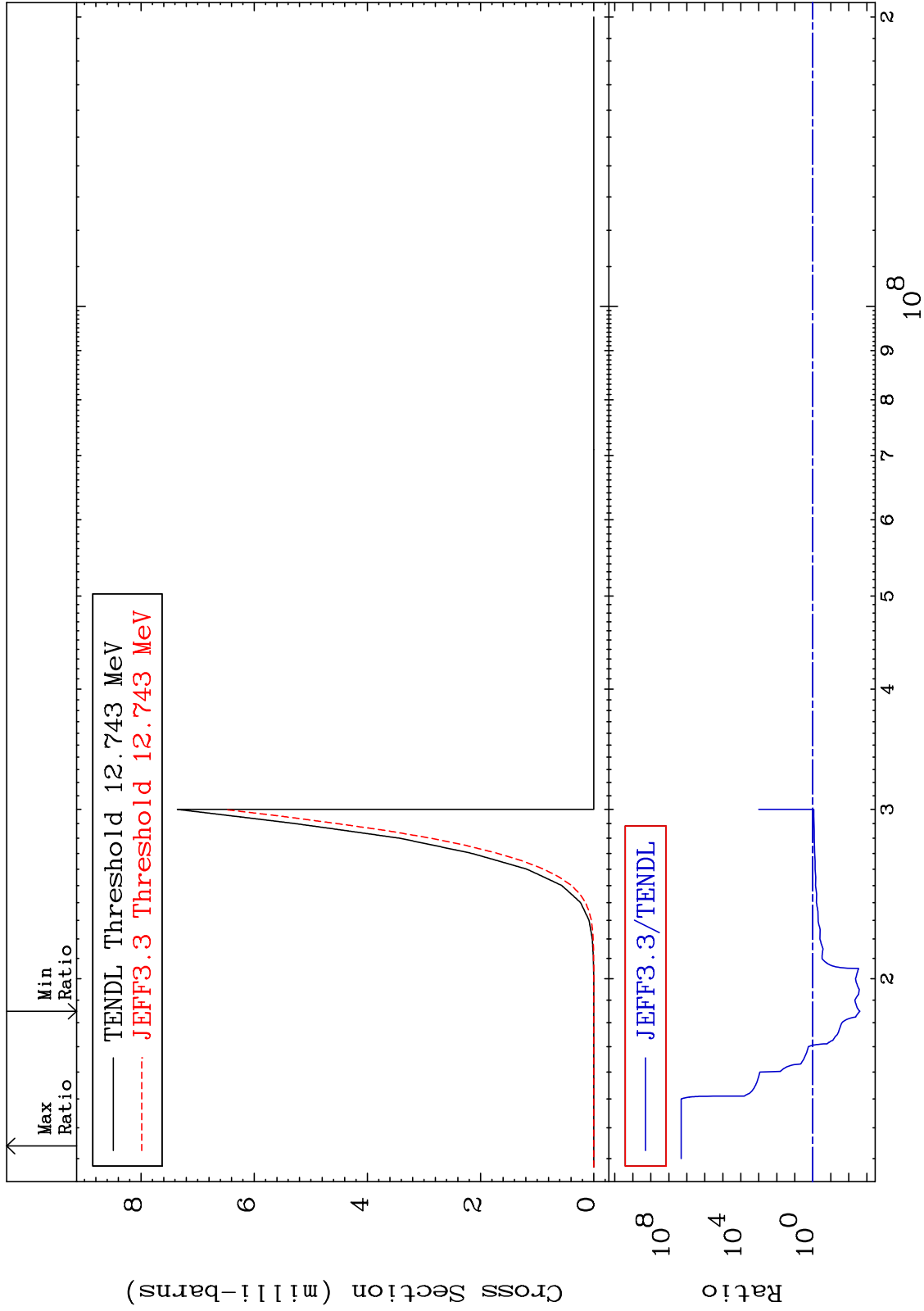
-95.46 To 108.6 %



MAT 9440

(n,2n) p
Cross Section

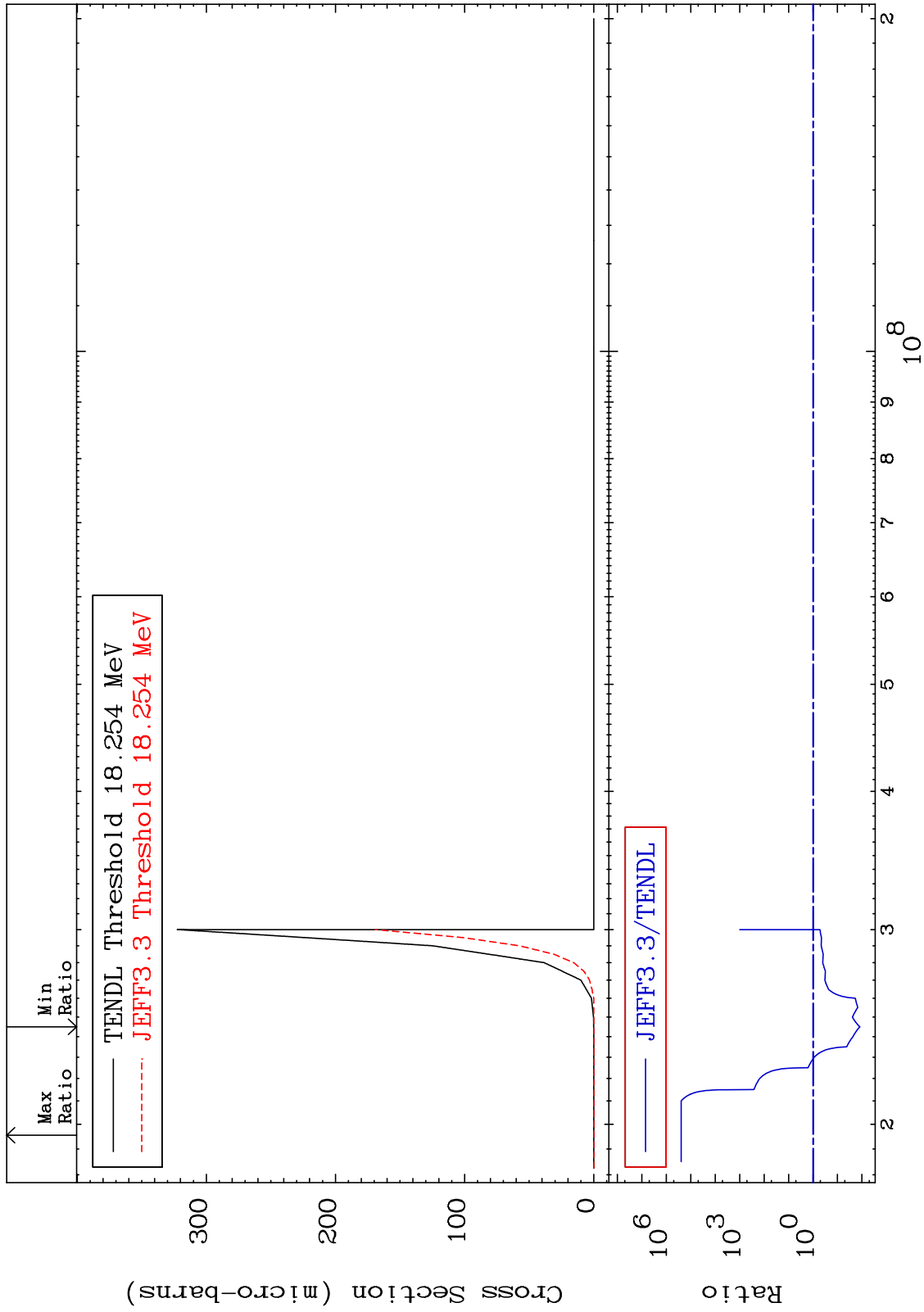
94-Pu-240
-99.76 To 9999. %

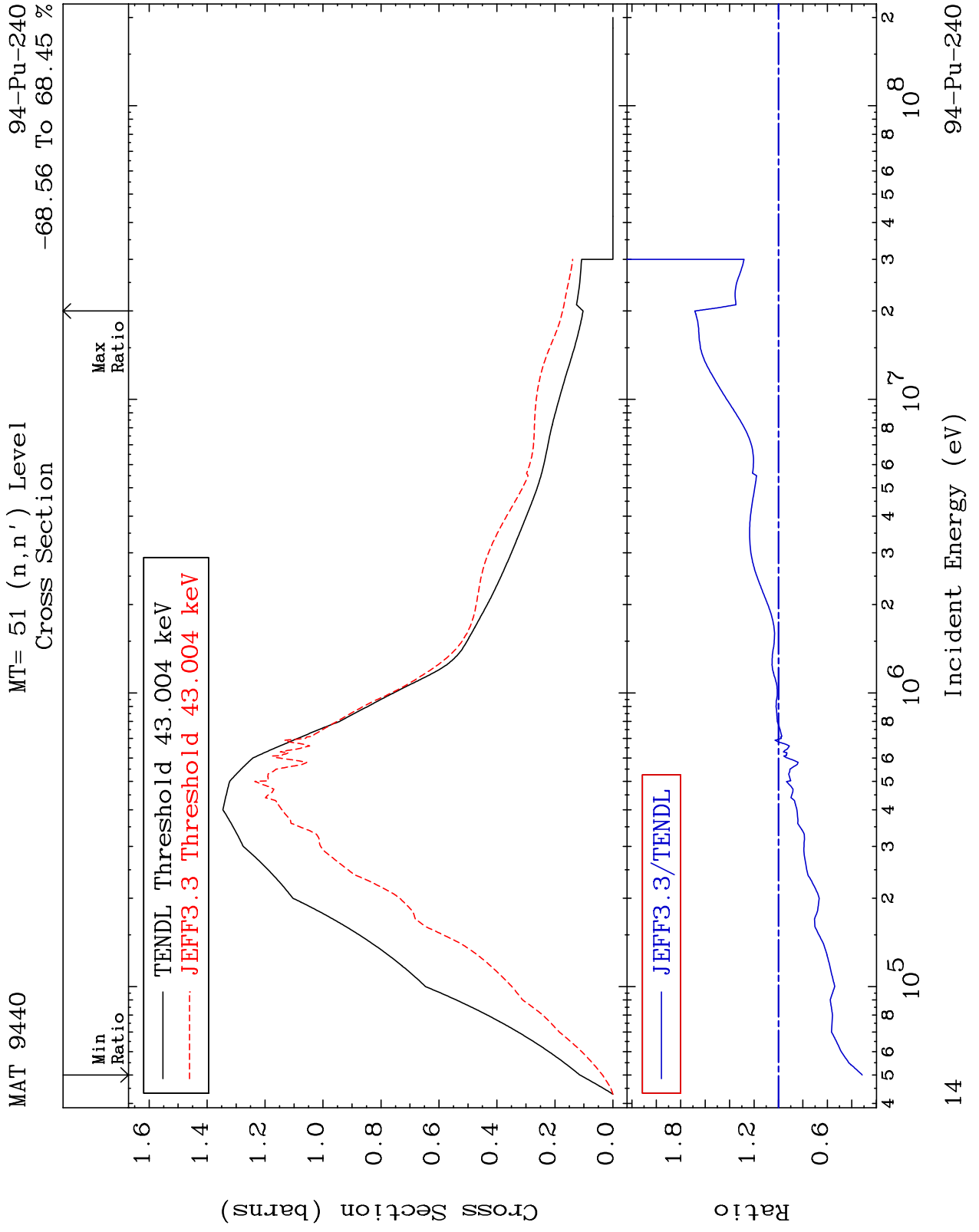


MAT 9440

(n,3n) p
Cross Section

94-Pu-240
-98.79 To 9999. %

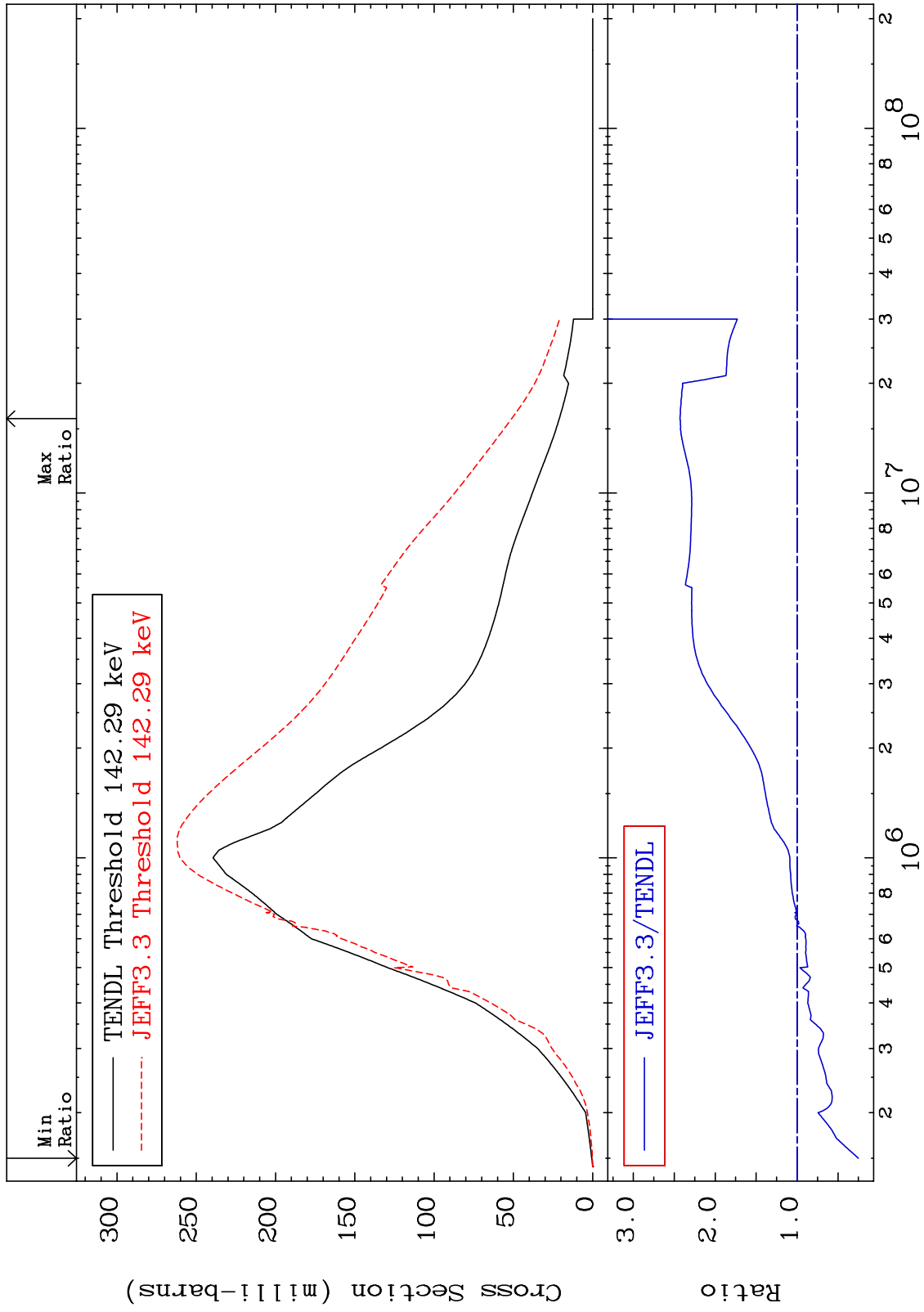




MAT 9440

MT= 52 (n,n') Level
Cross Section

94-Pu-240
-74.96 To 143.0 %



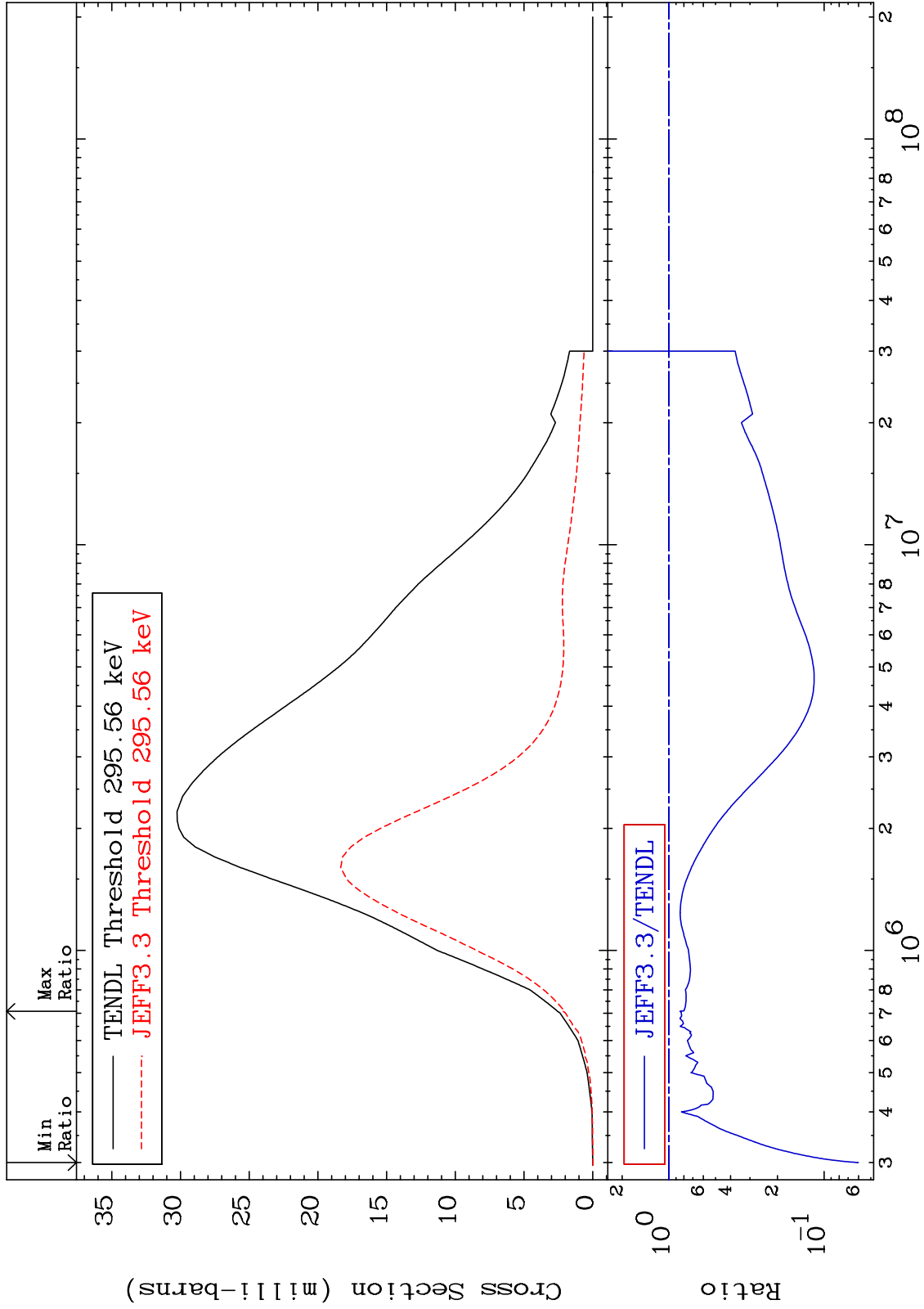
15

94-Pu-240

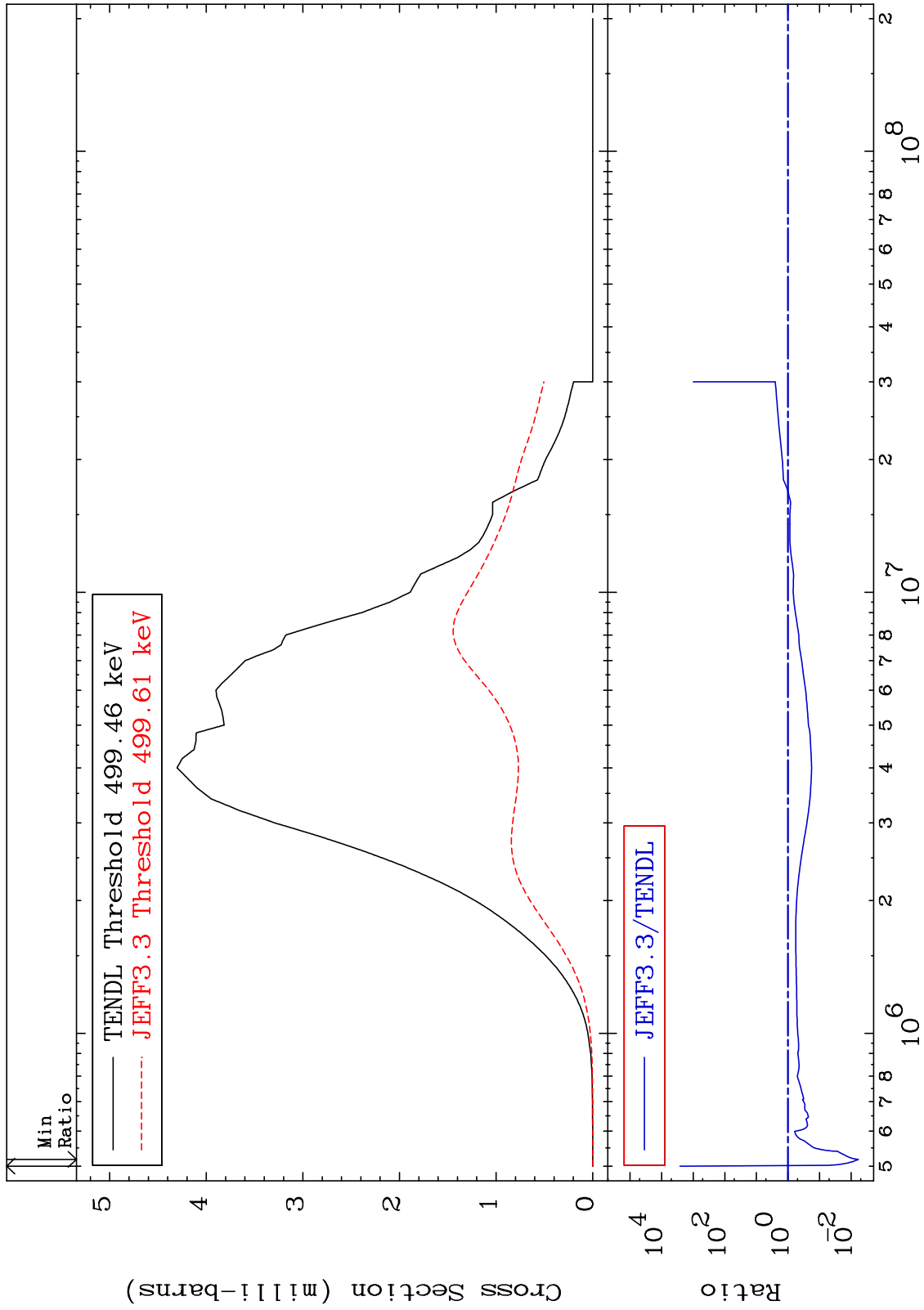
MAT 9440

MT= 53 (n,n') Level
Cross Section

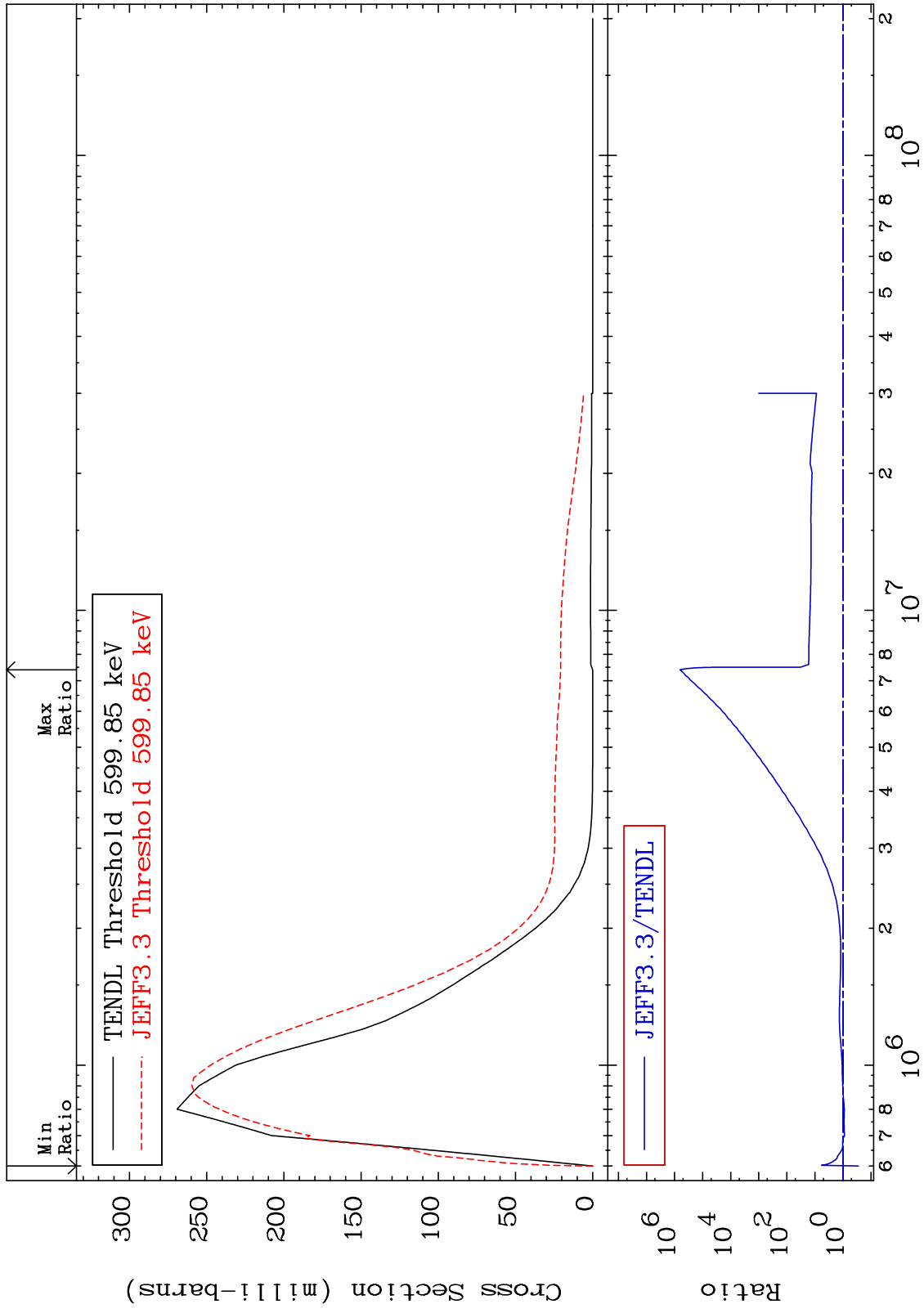
94-Pu-240
-93.99 To -15.28%



MAT 9440 MT= 54 (n,n') Level 94-Pu-240
Cross Section -99.41 To 9999. %

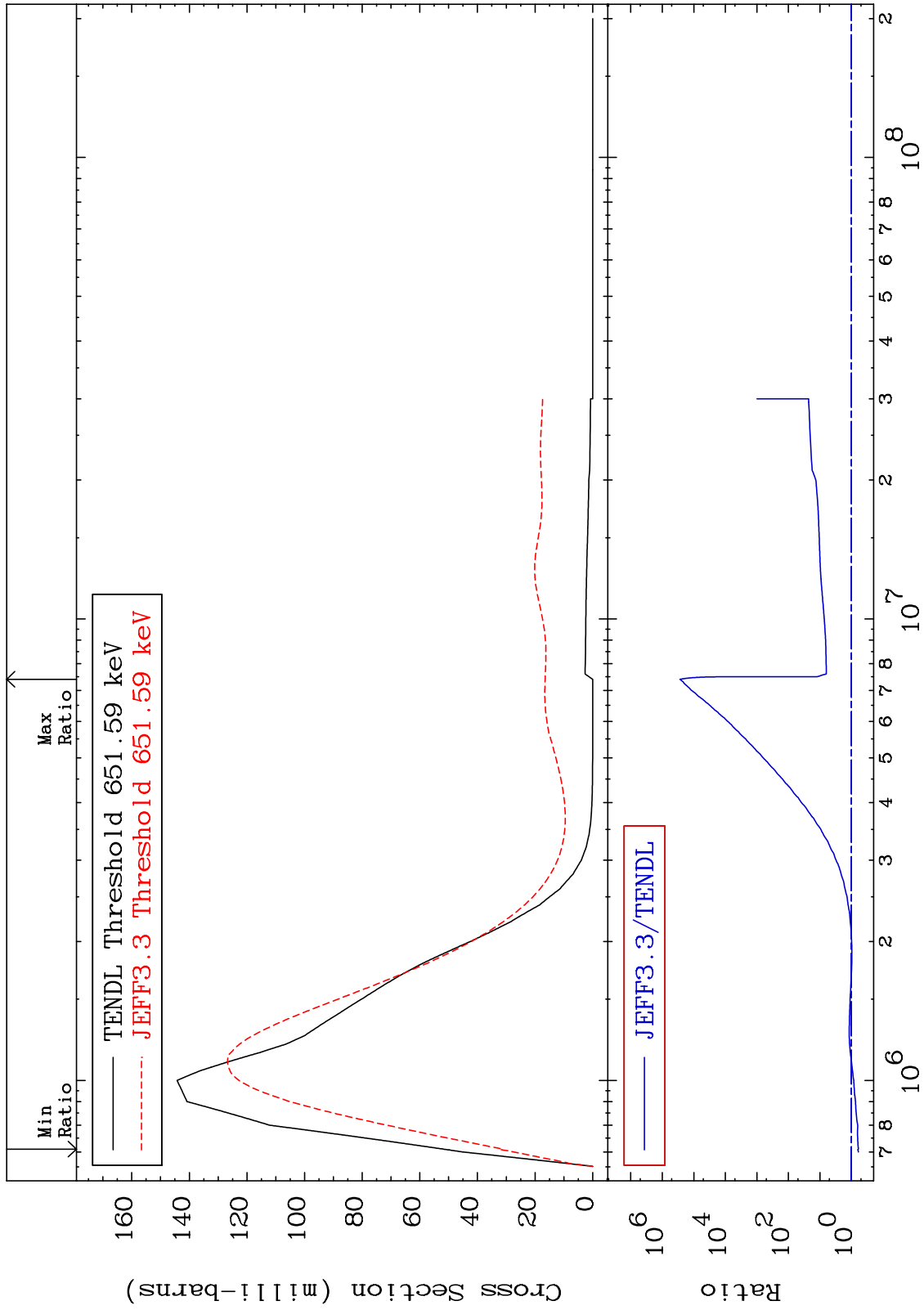


MAT 9440 MT= 55 (n,n') Level 94-Pu-240
 Cross Section -71.75 To 9999. %

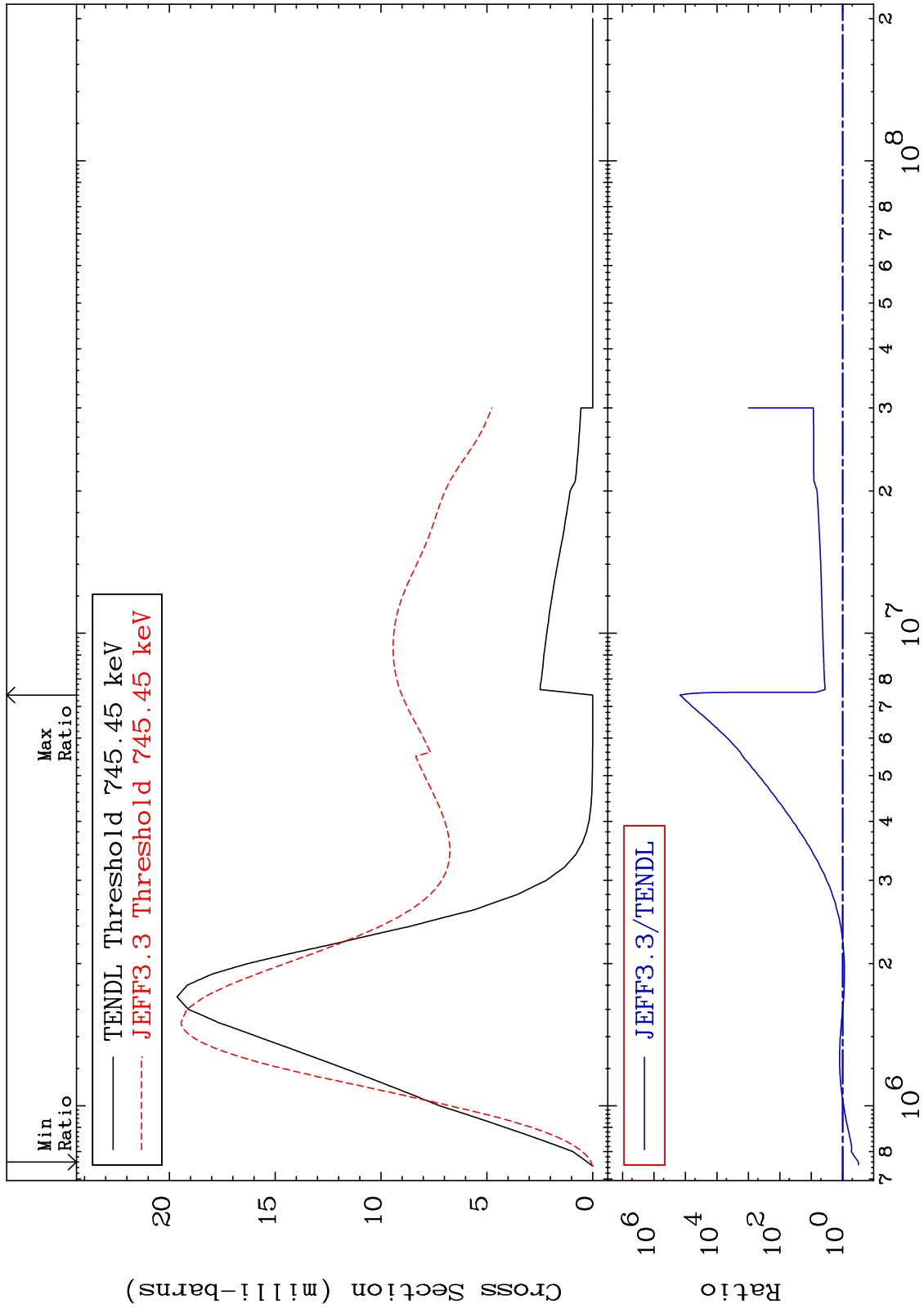


18 Incident Energy (eV) 94-Pu-240

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. %

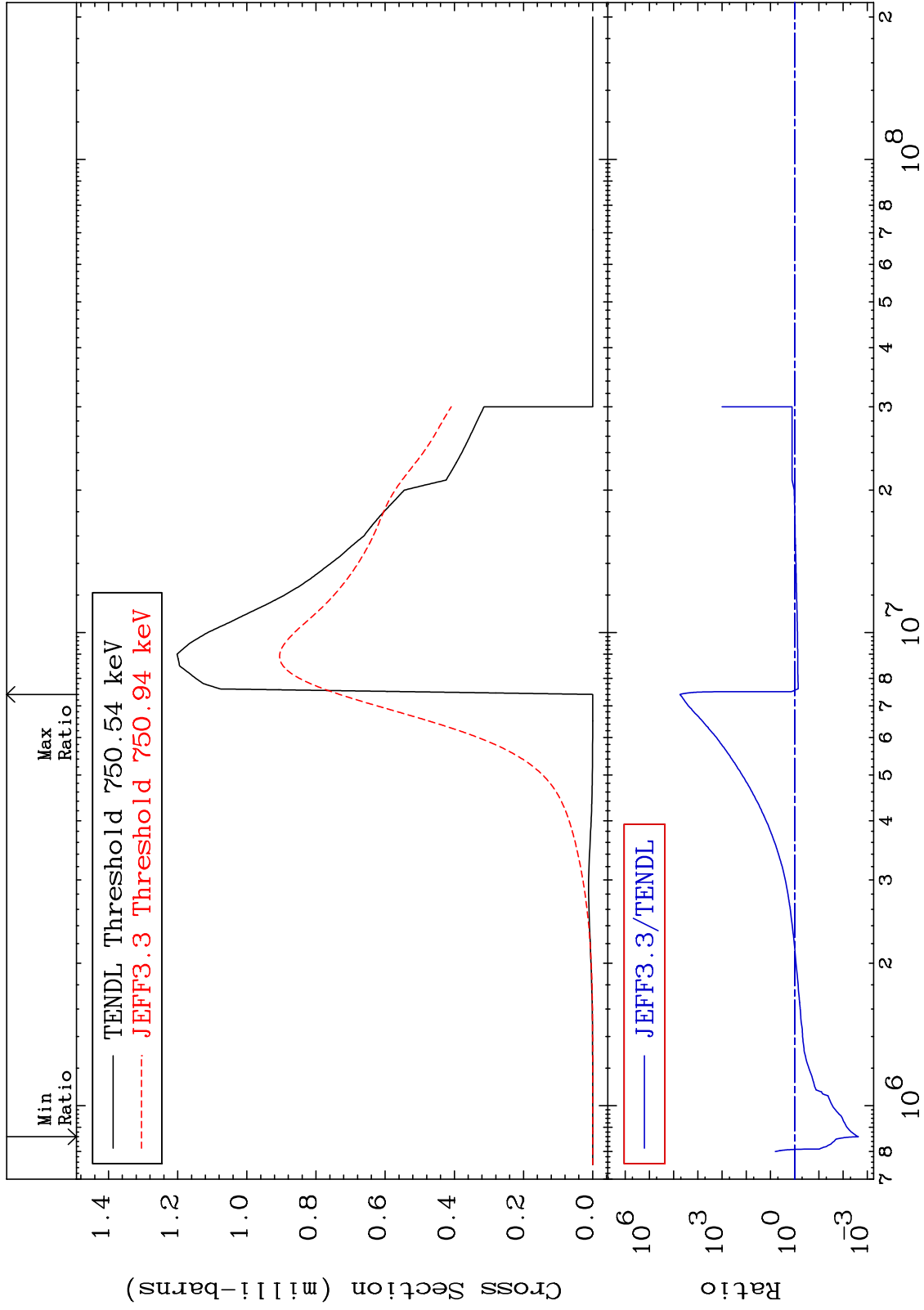


20 7 8 10⁶ 10⁷ 10⁸ 2

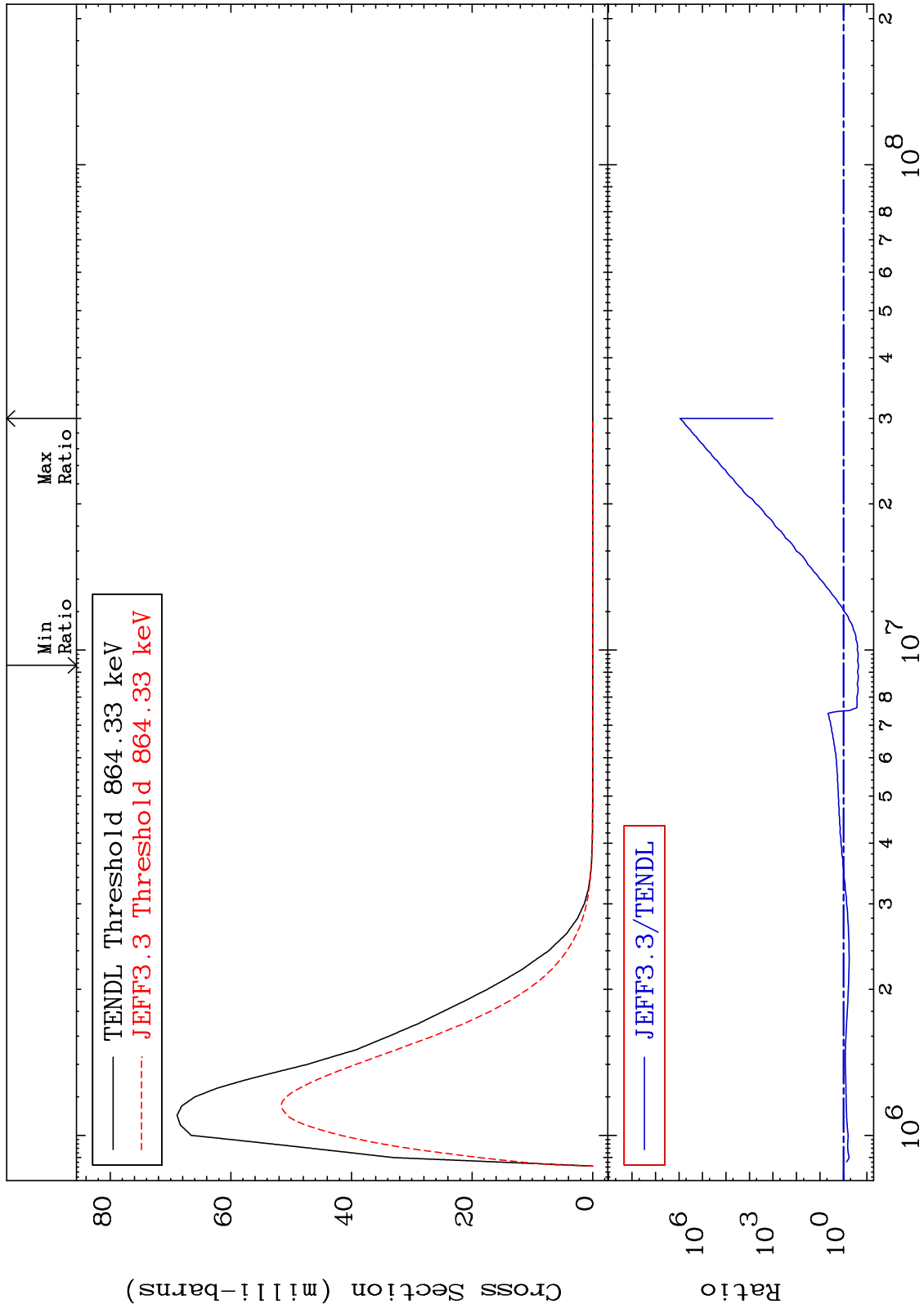
MAT 9440

MT= 58 (n,n') Level
Cross Section

94-Pu-240
-99.76 To 9999. %



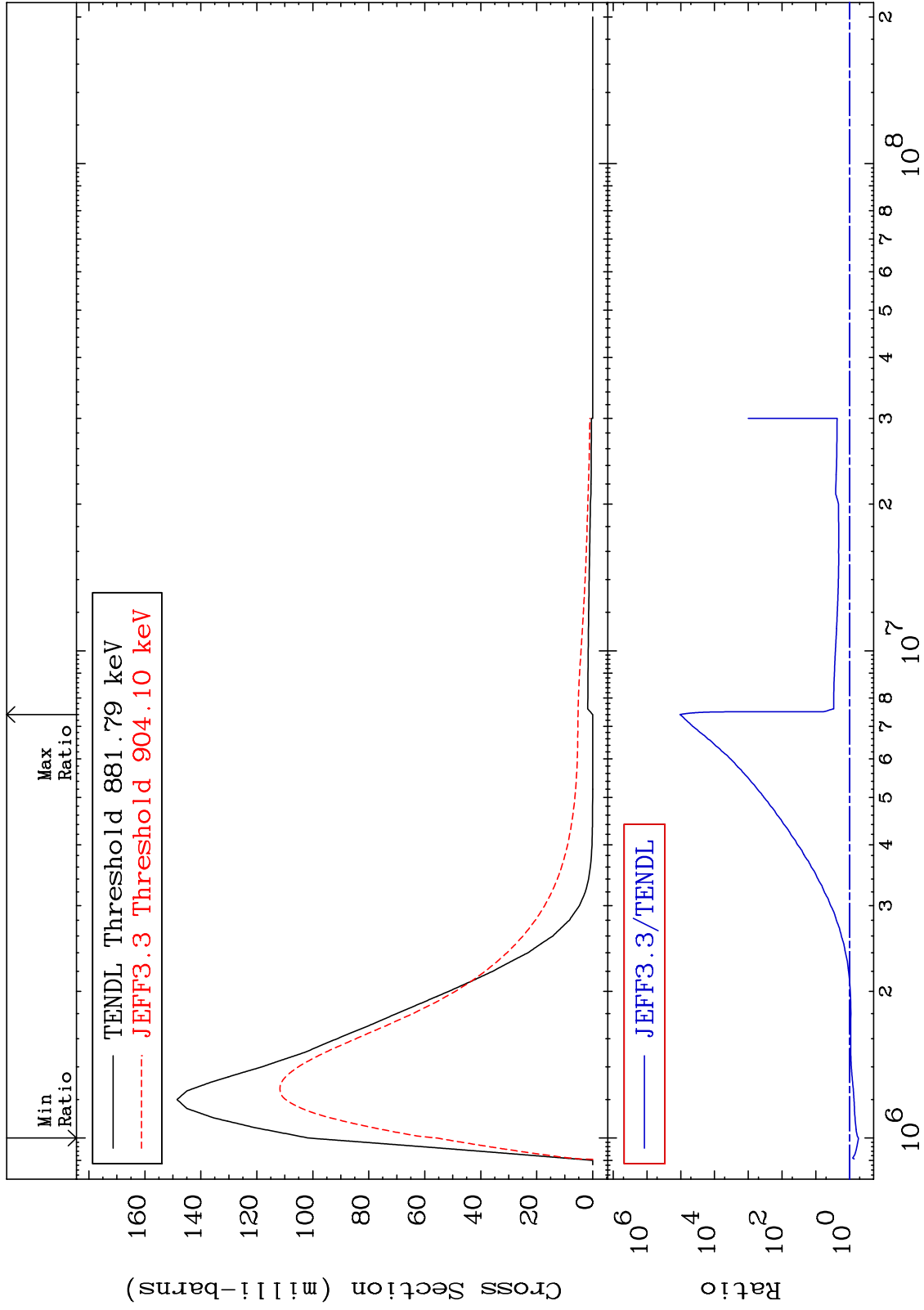
MAT 9440 MT= 59 (n,n') Level 94-Pu-240
 Cross Section -76.97 To 9999. %



MAT 9440

MT= 60 (n,n') Level
Cross Section

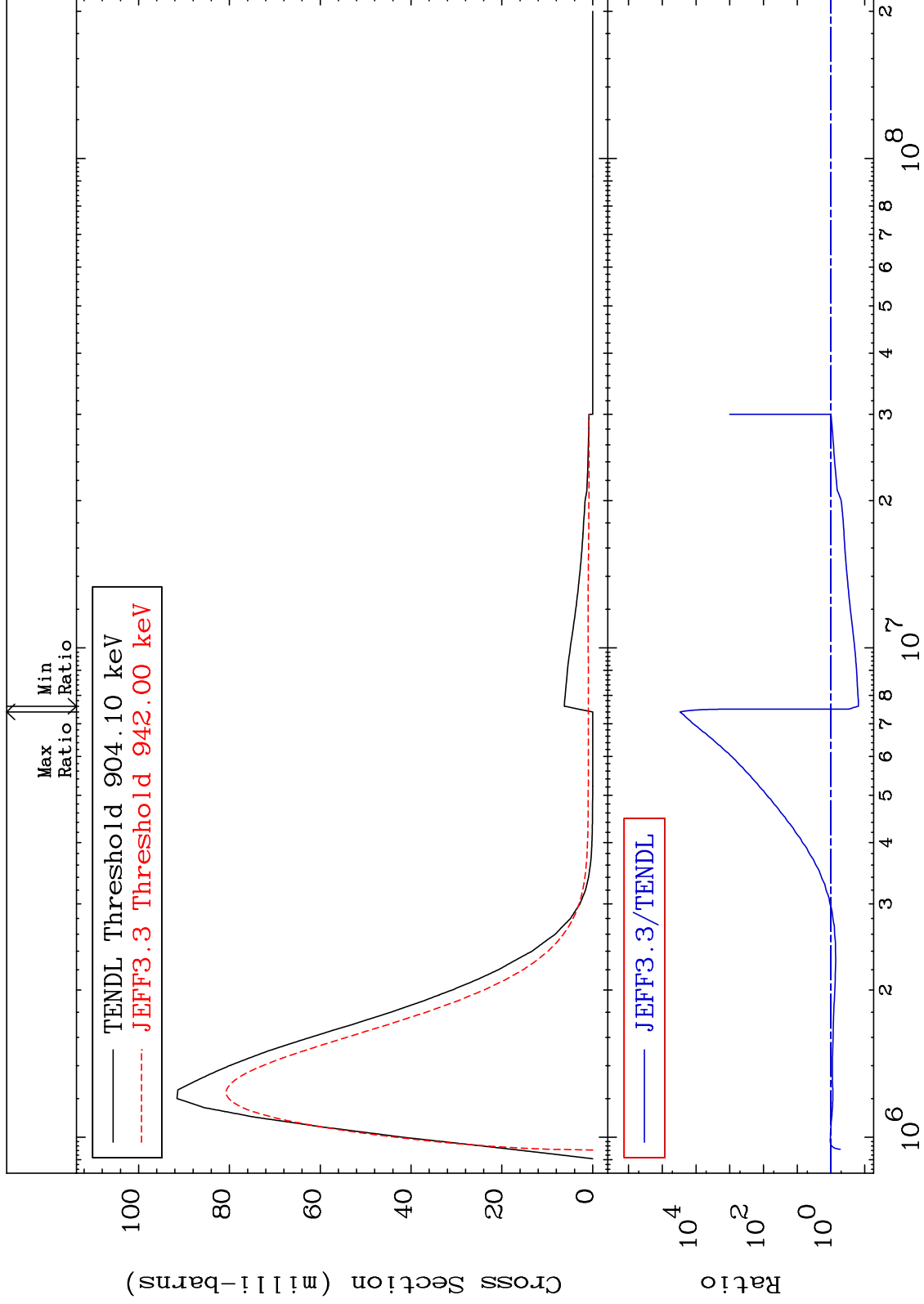
94-Pu-240
-45.17 To 9999. %



MAT 9440

MT= 61 (n,n') Level
Cross Section

94-Pu-240
-84.63 To 9999. %



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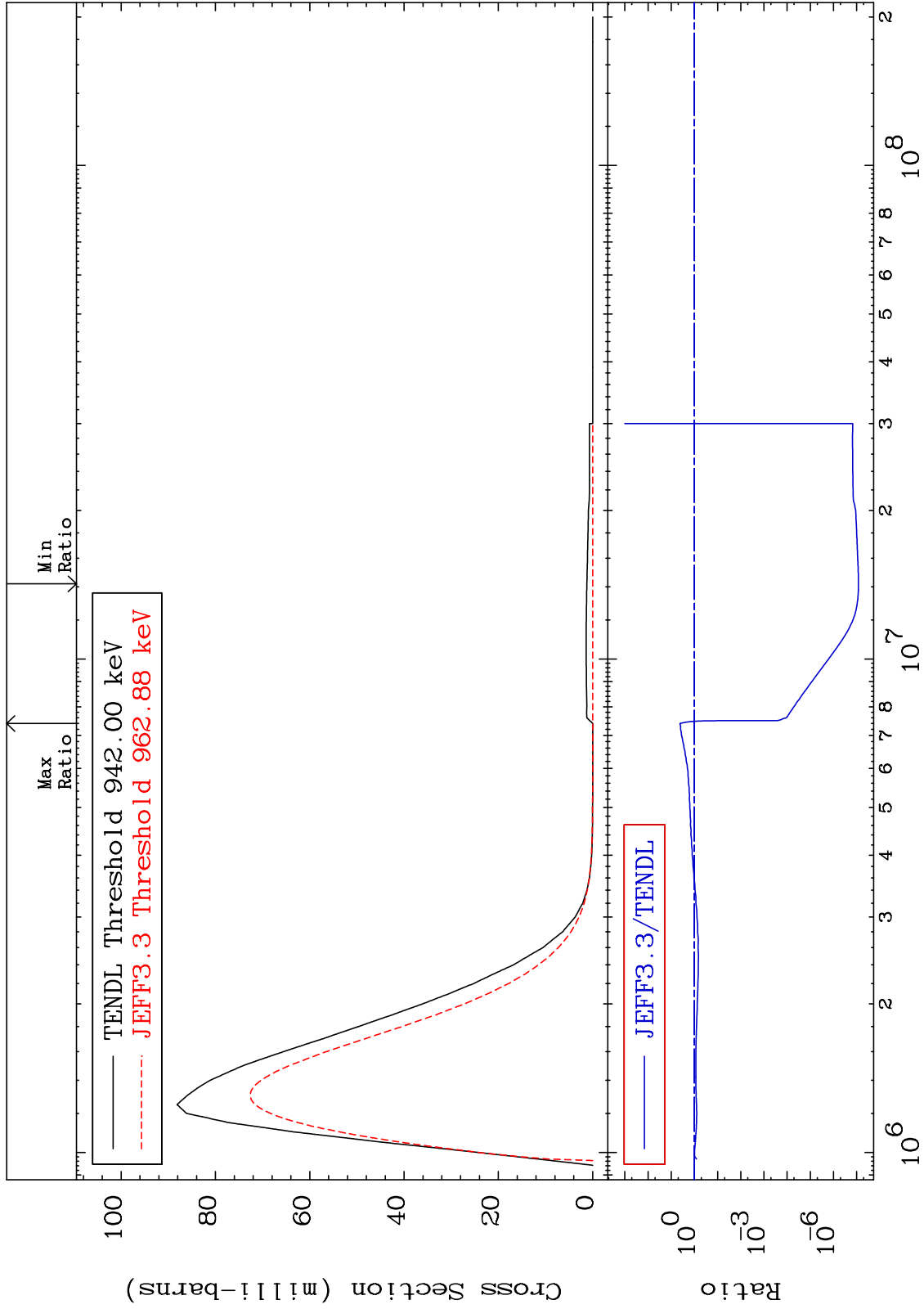
Incident Energy (eV)

94-Pu-240

MAT 9440

MT= 62 (n, n') Level
Cross Section

94-Pu-240
-100.0 To 317.2 %



25

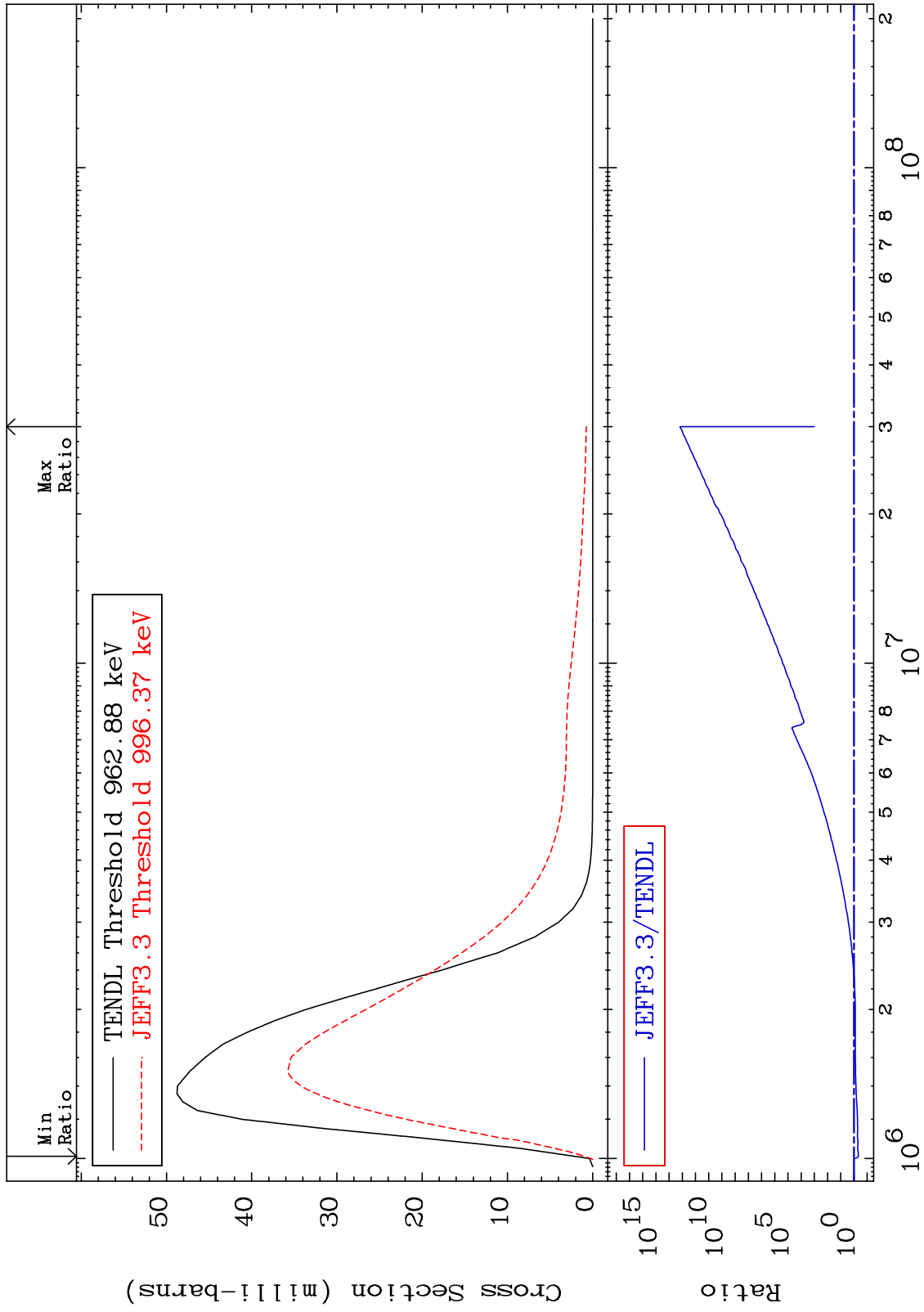
Incident Energy (eV)

94-Pu-240

MAT 9440

MT= 63 (n,n') Level
Cross Section

94-Pu-240
-54.31 To 9999. %

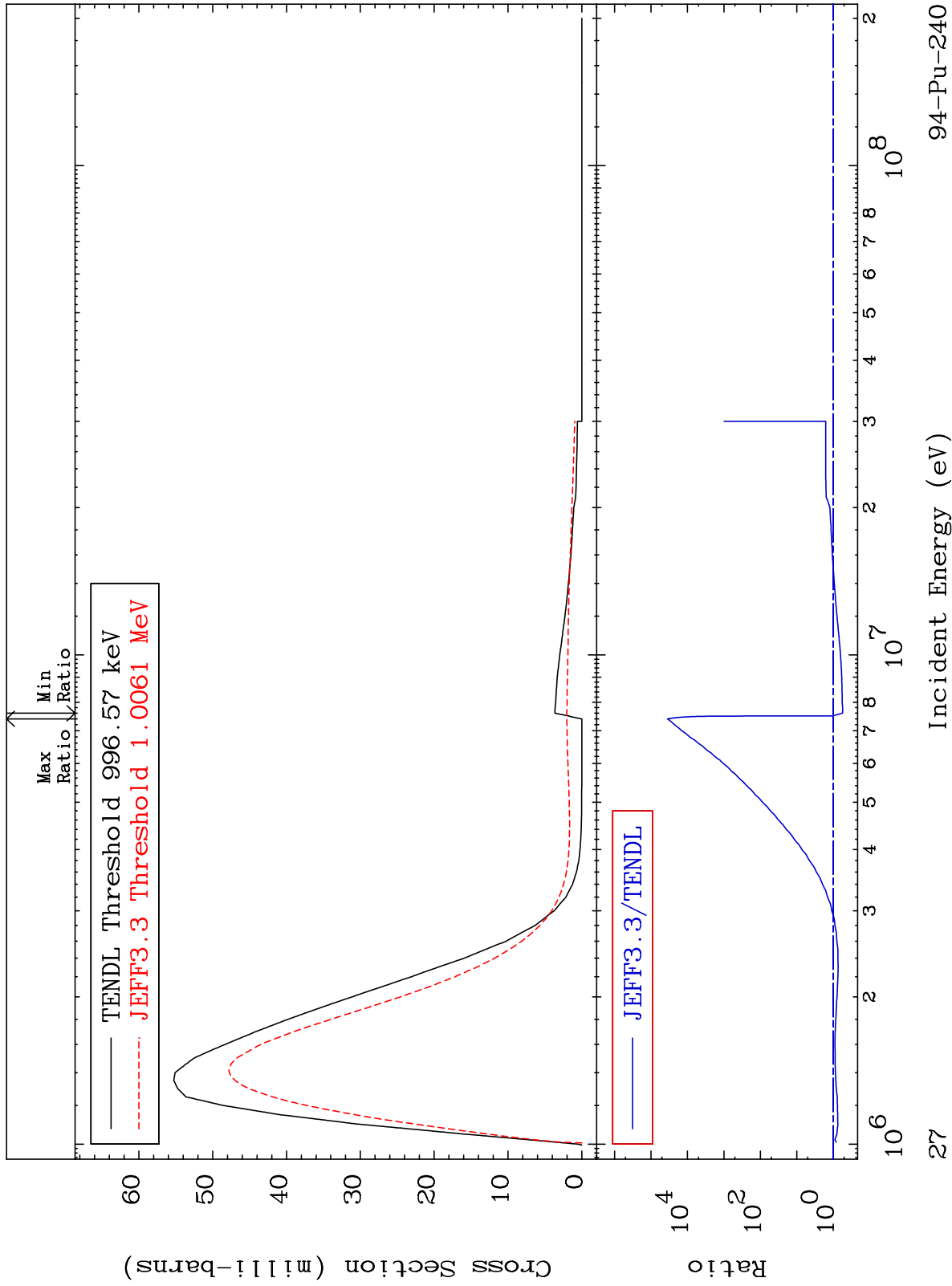


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Incident Energy (eV)

94-Pu-240

MAT 9440 MT= 64 (n,n') Level 94-Pu-240
 Cross Section -44.82 To 9999. %

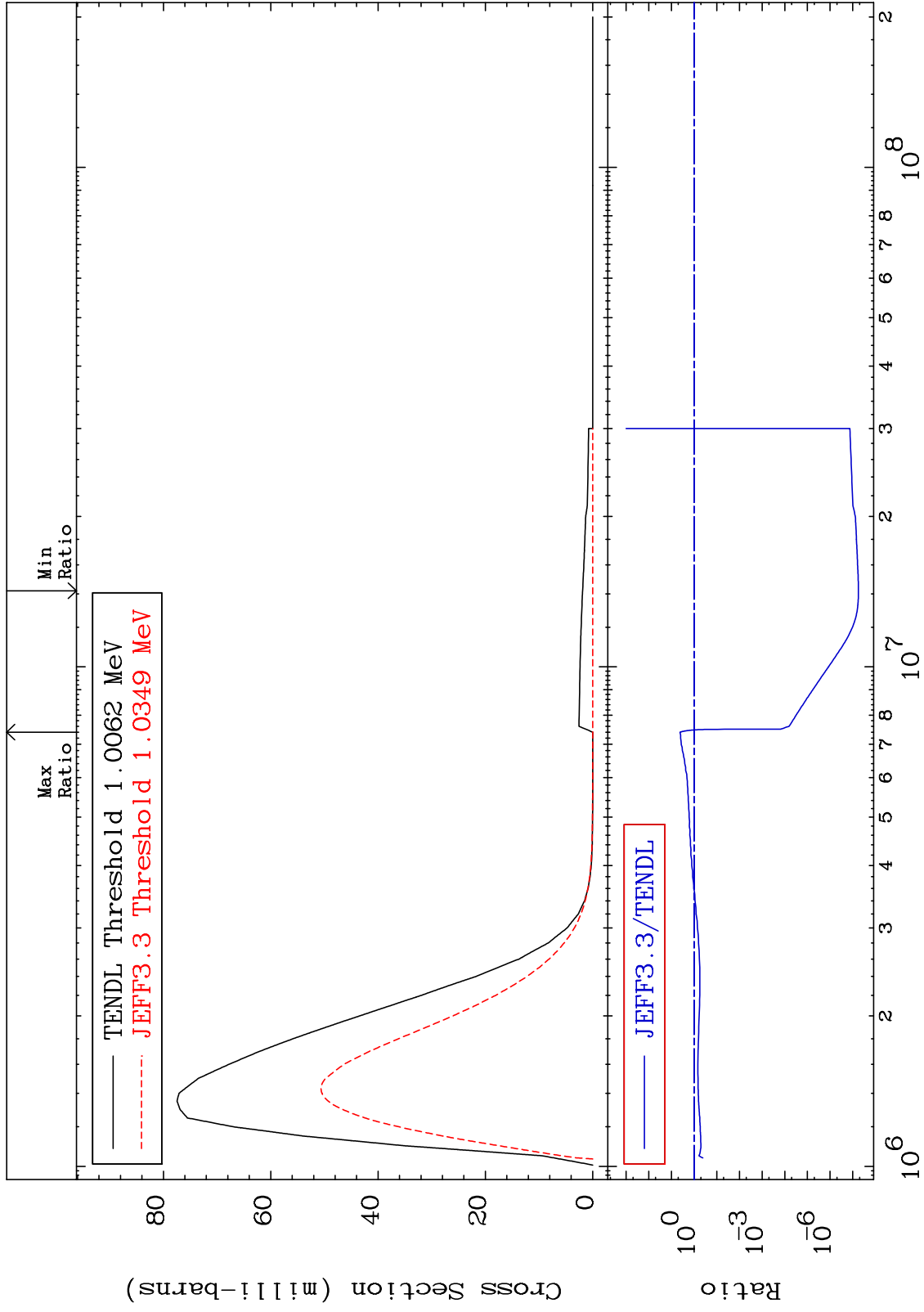


27 Incident Energy (eV) 94-Pu-240

MAT 9440

MT= 65 (n,n') Level
Cross Section

94-Pu-240
-100.0 To 319.2 %



28

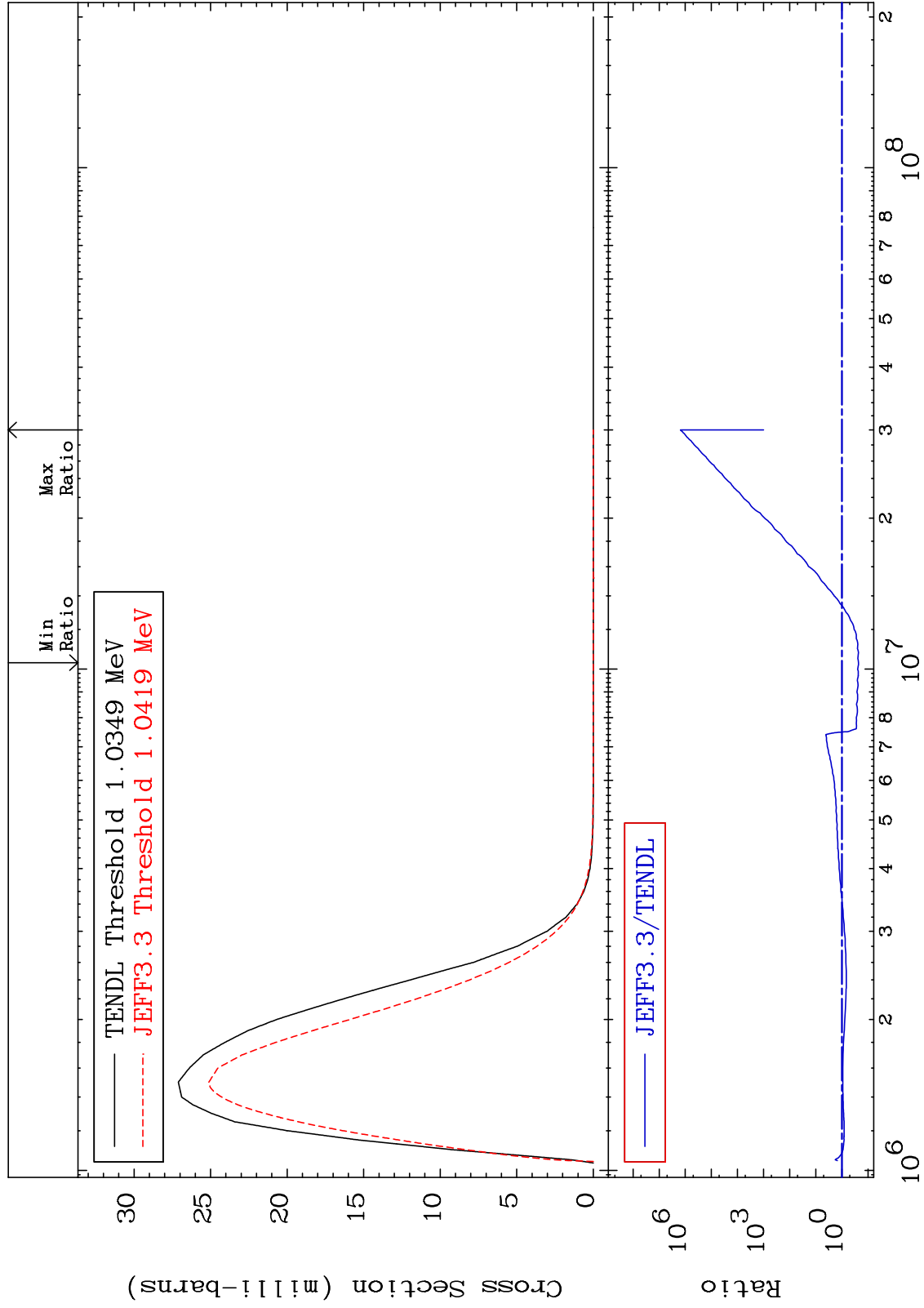
Incident Energy (eV)

94-Pu-240

MAT 9440

MT= 66 (n,n') Level
Cross Section

94-Pu-240
-76.96 To 9999. %

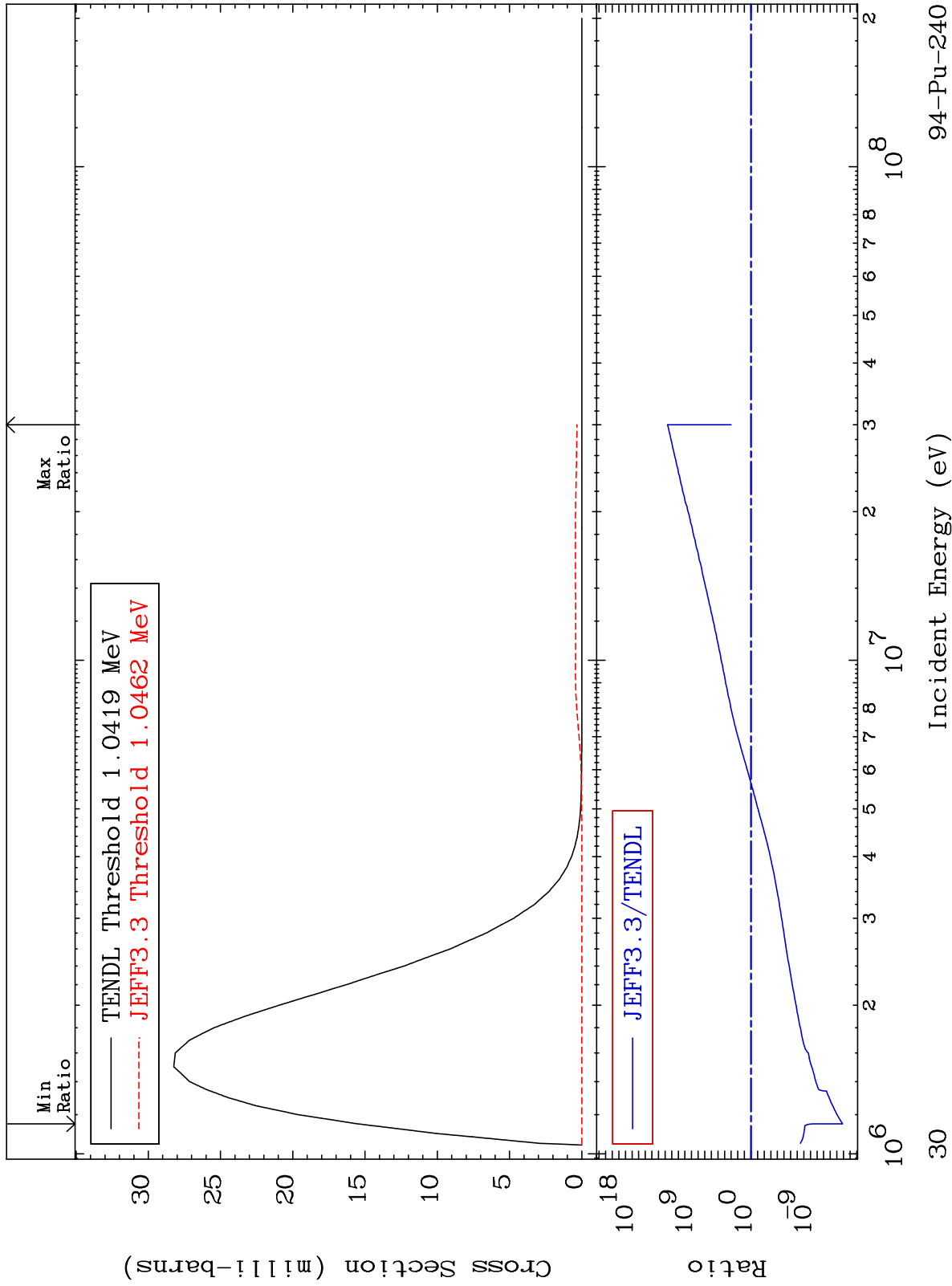


29

Incident Energy (eV)

94-Pu-240

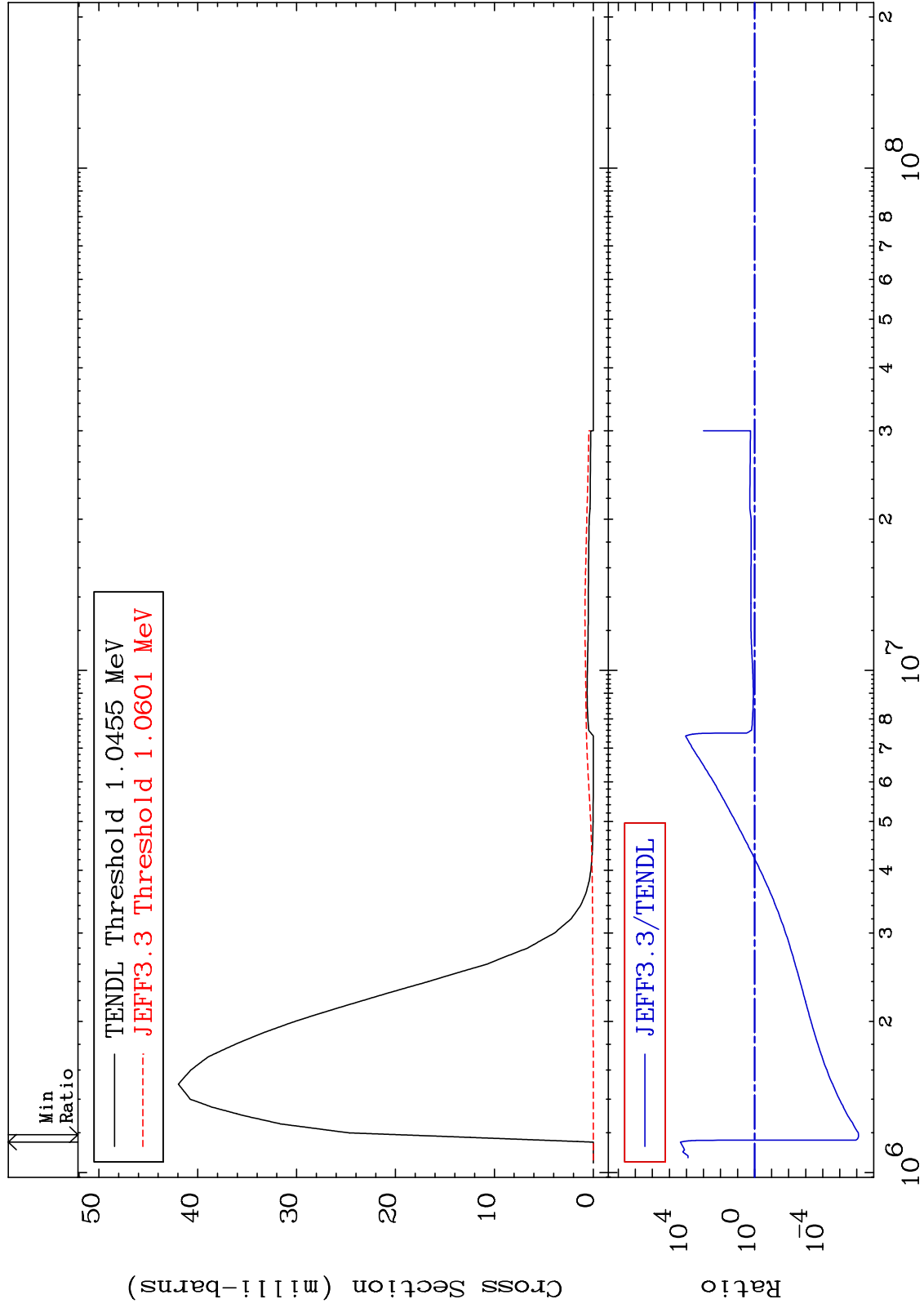
MAT 9440 MT= 67 (n,n') Level
Cross Section 94-Pu-240
-100.0 To 9999. %



MAT 9440

MT= 68 (n,n') Level
Cross Section

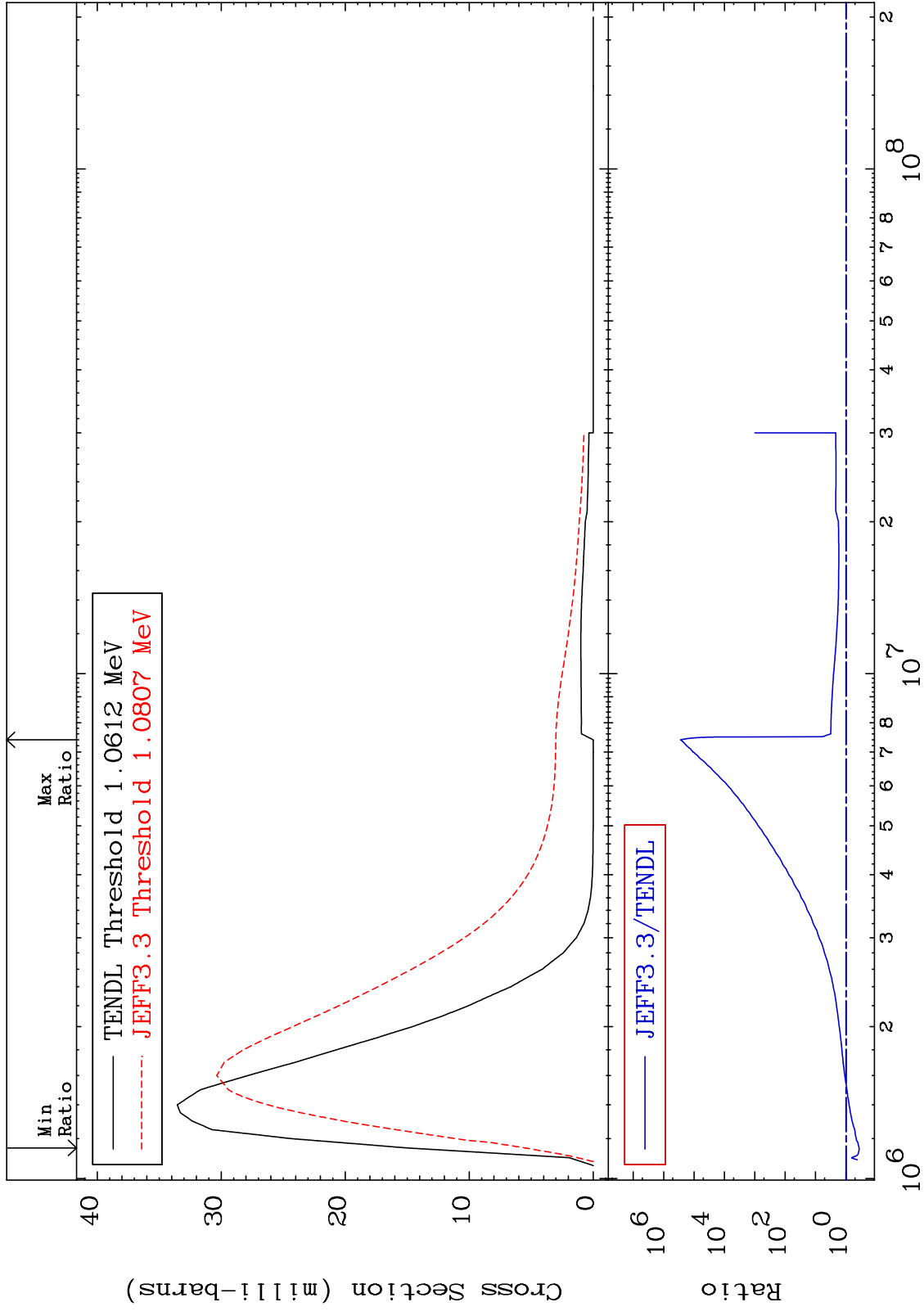
94-Pu-240
-100.0 To 9999. %



MAT 9440

MT= 69 (n,n') Level
Cross Section

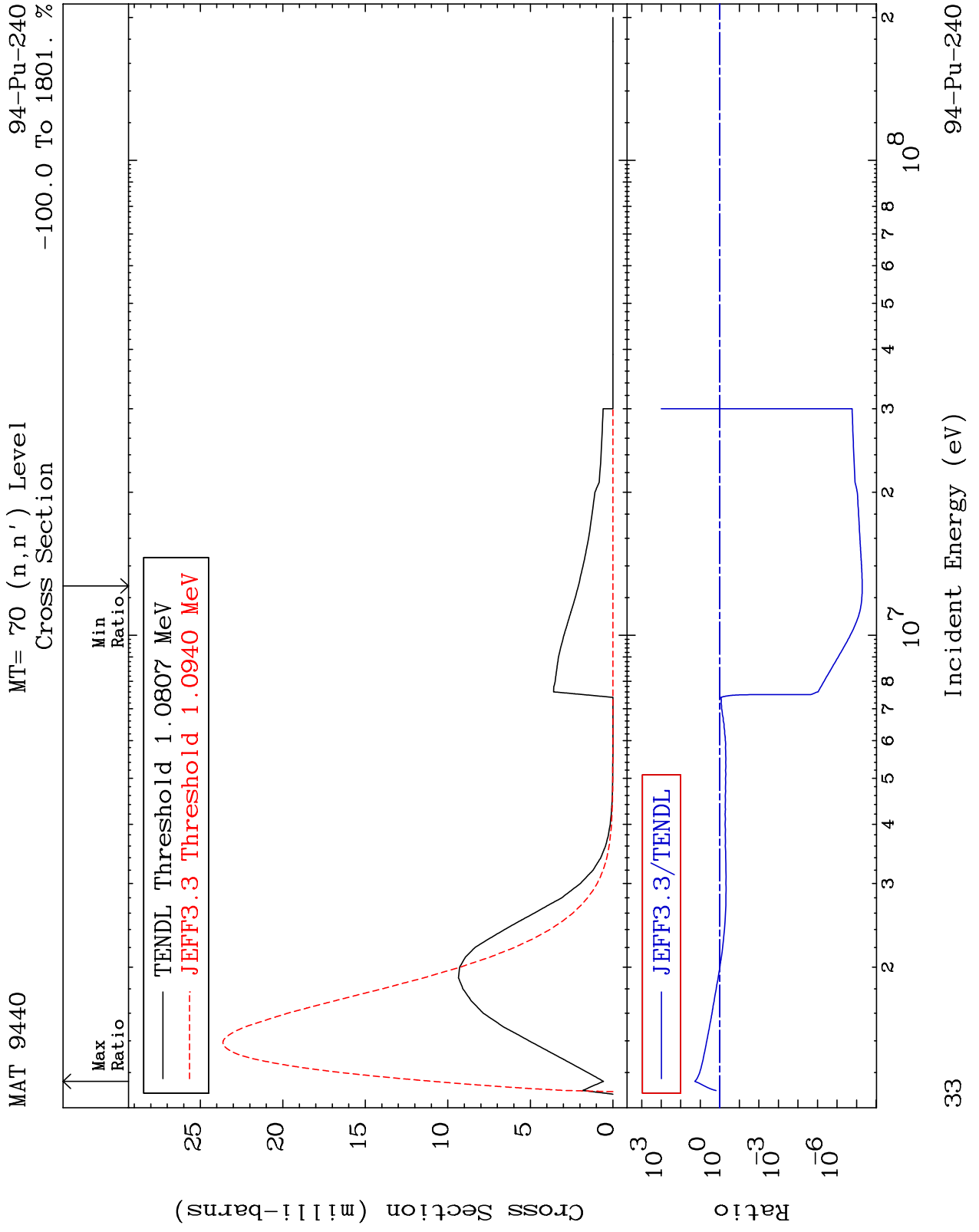
94-Pu-240
-63.35 To 9999. %

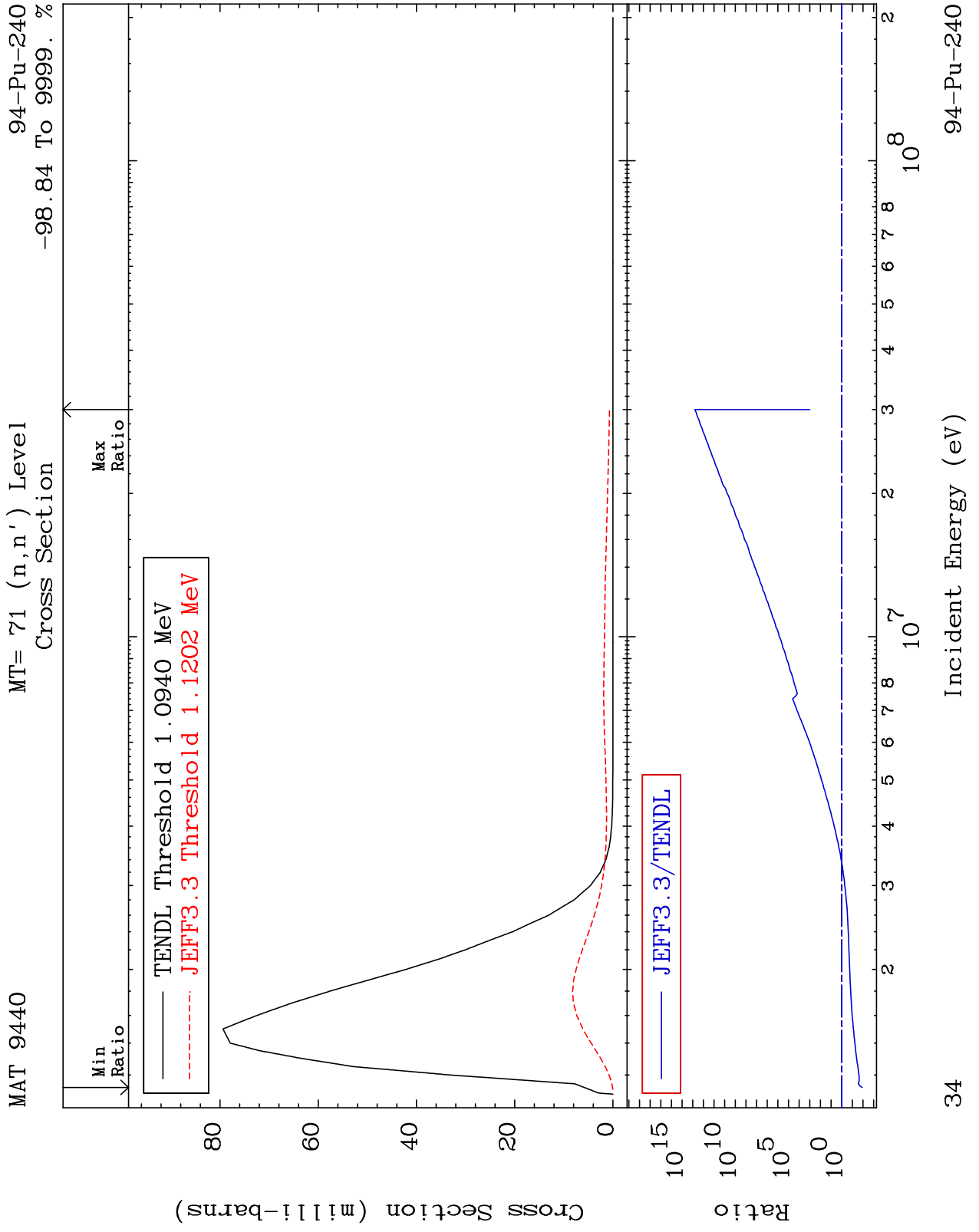


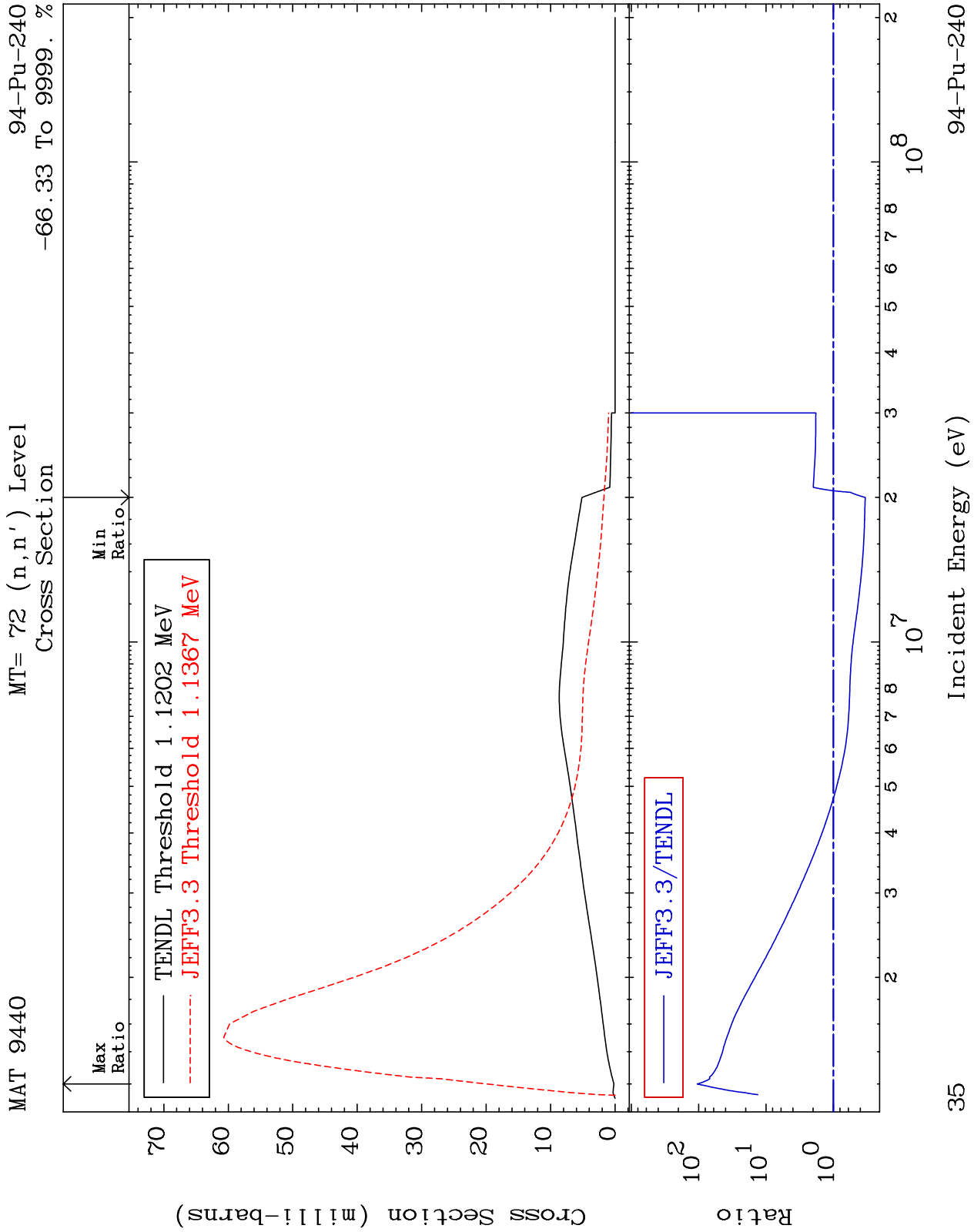
Incident Energy (eV)

94-Pu-240

32



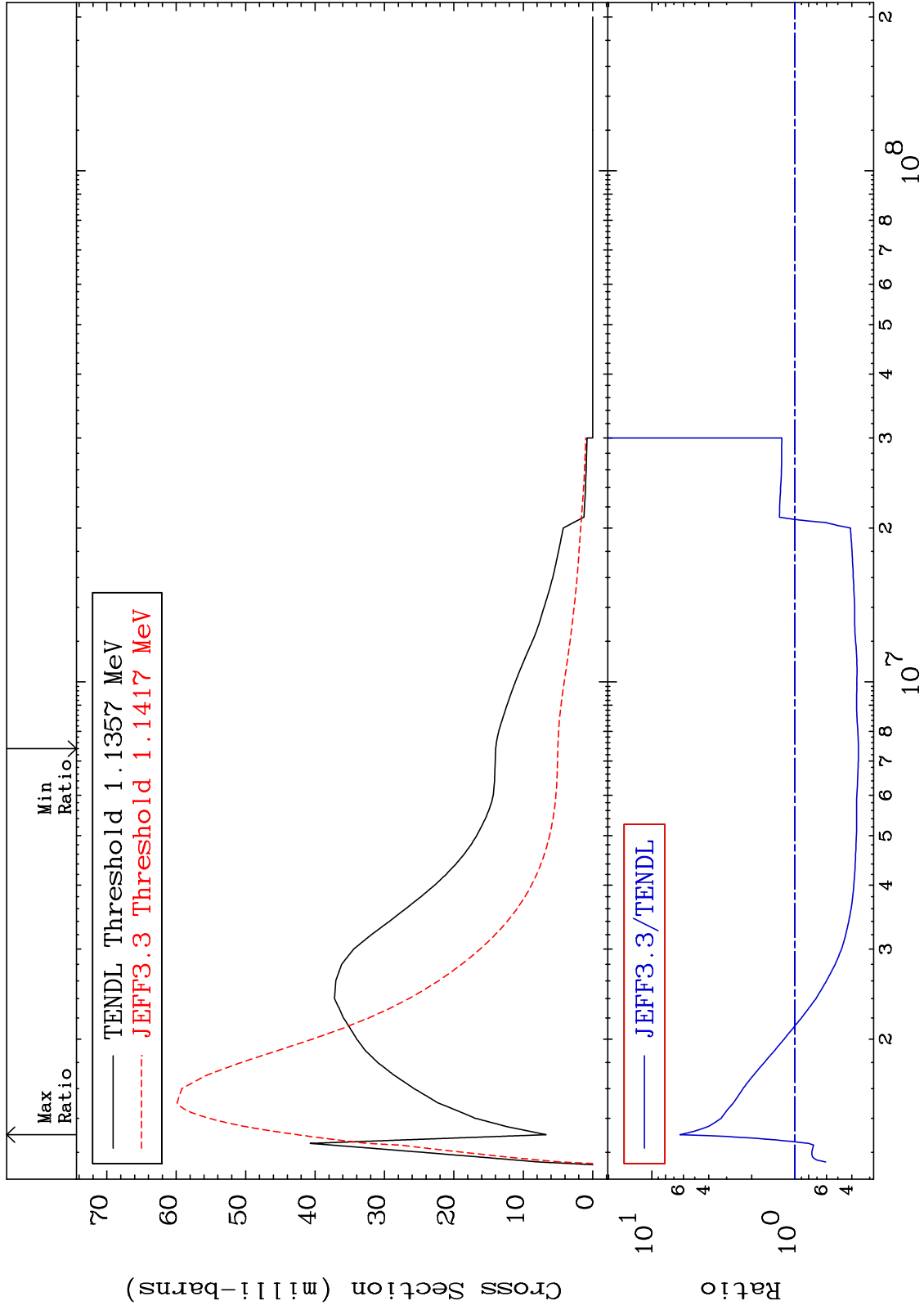


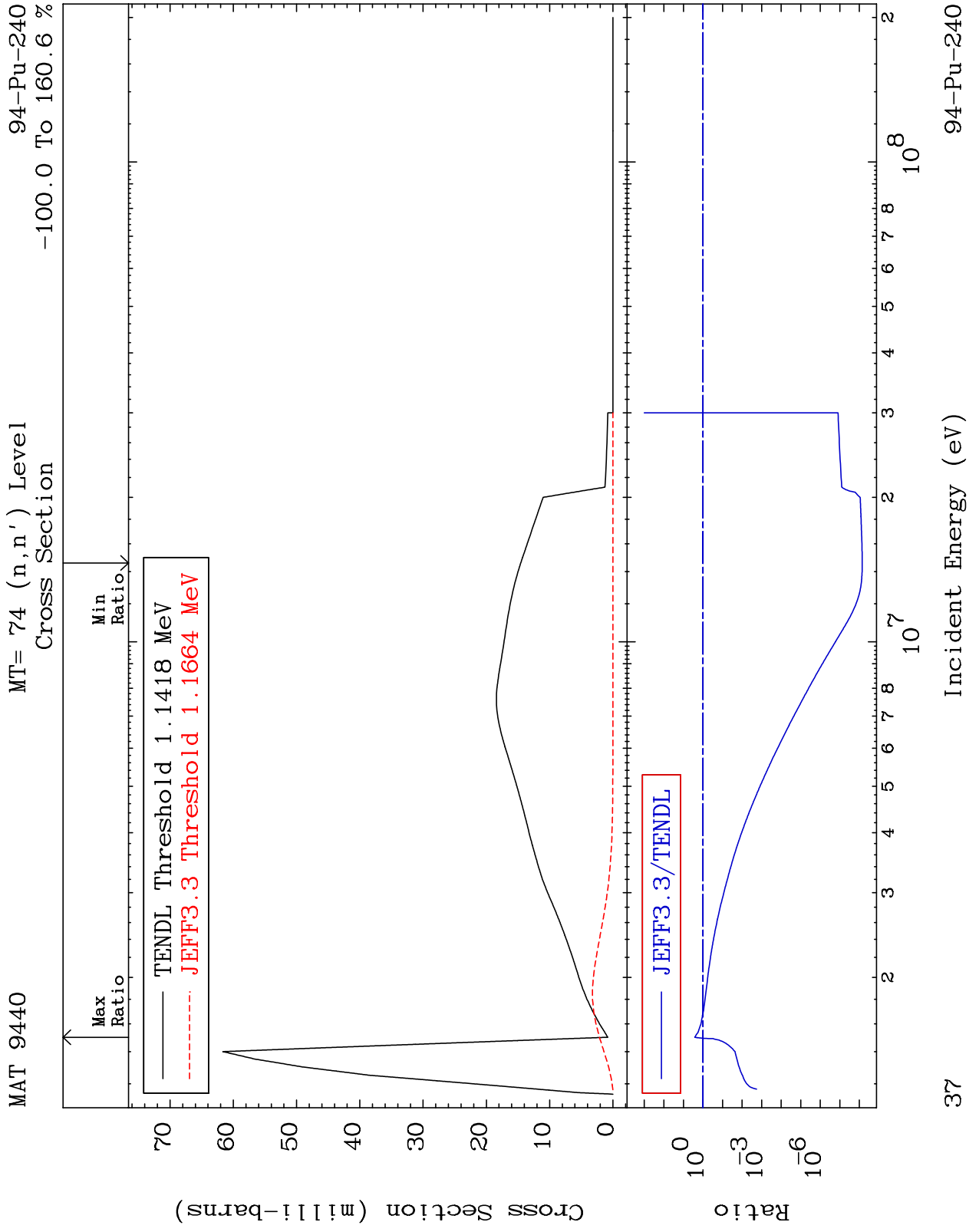


MAT 9440

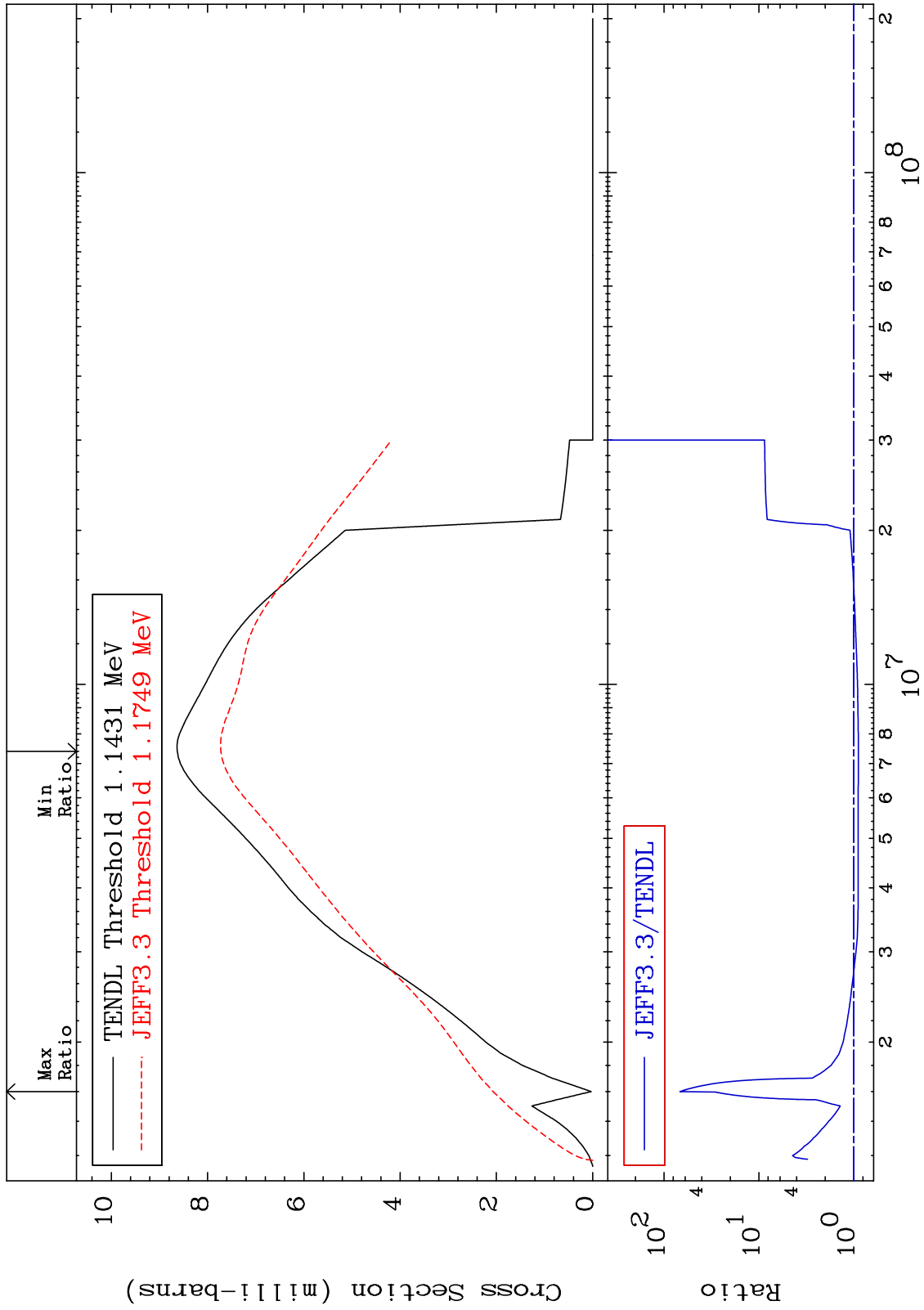
MT= 73 (n,n') Level
Cross Section

94-Pu-240
-64.05 To 534.3 %

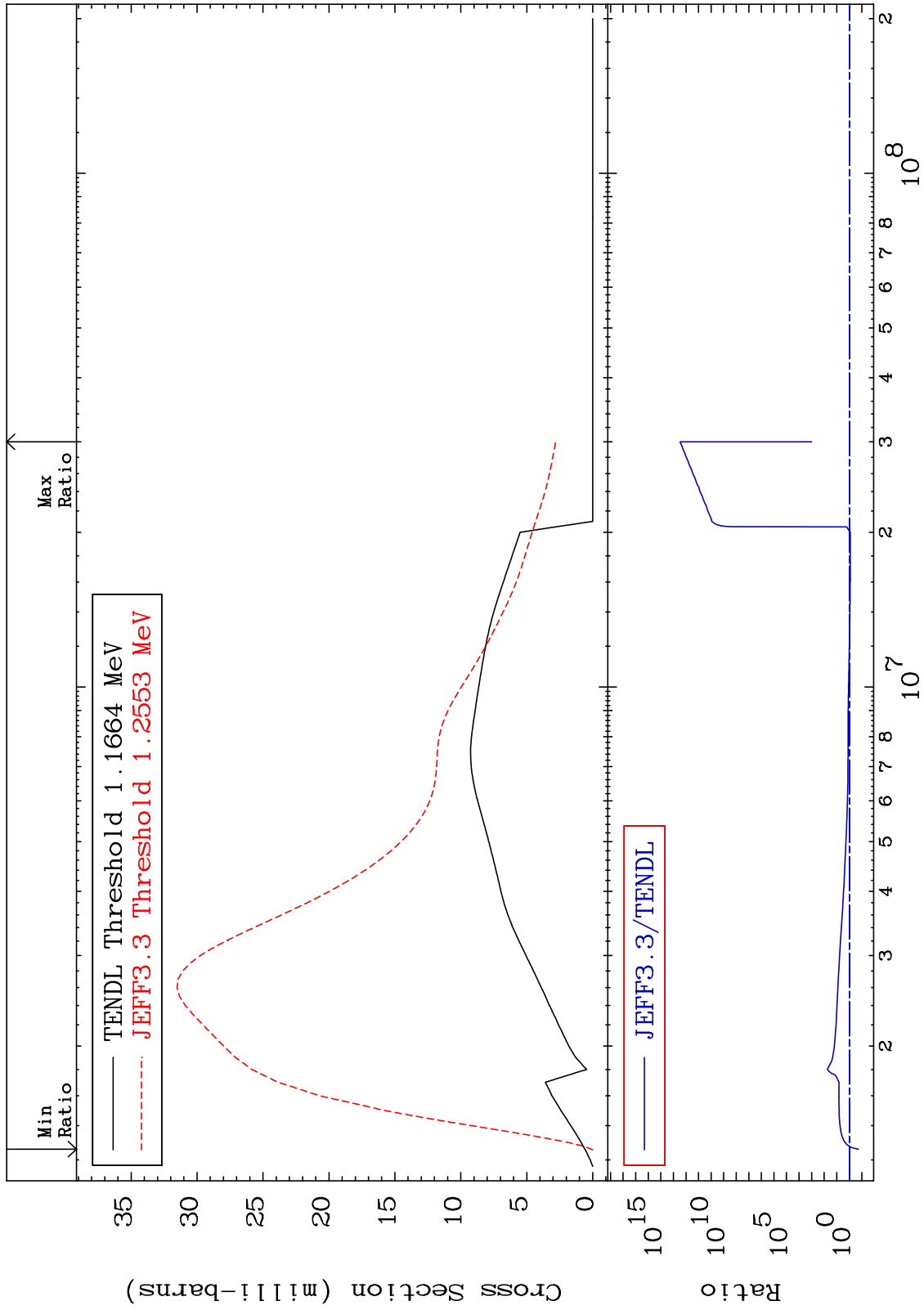




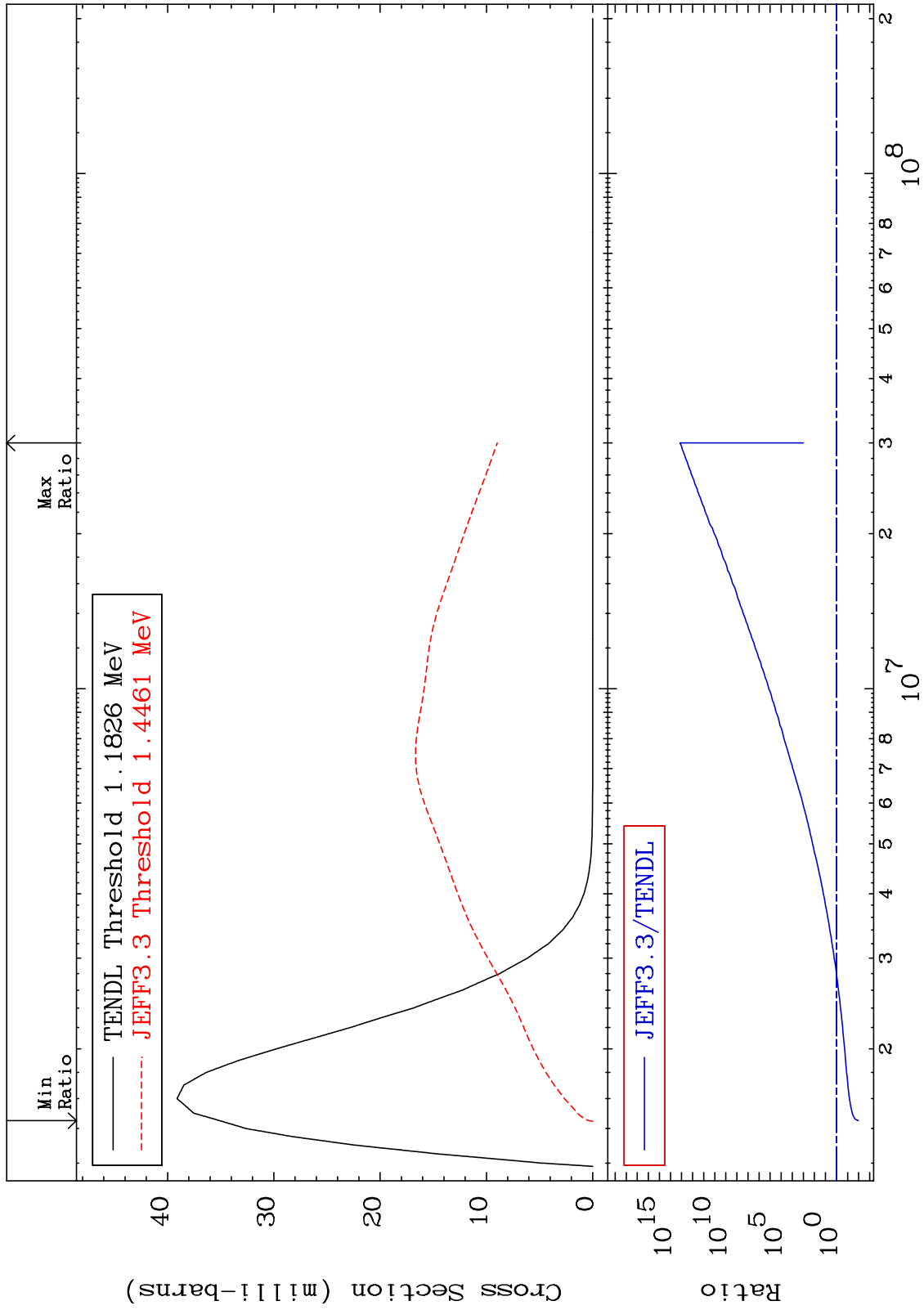
MAT 9440 MT= 75 (n,n') Level Cross Section 94-Pu-240
 -10.52 To 6693. %

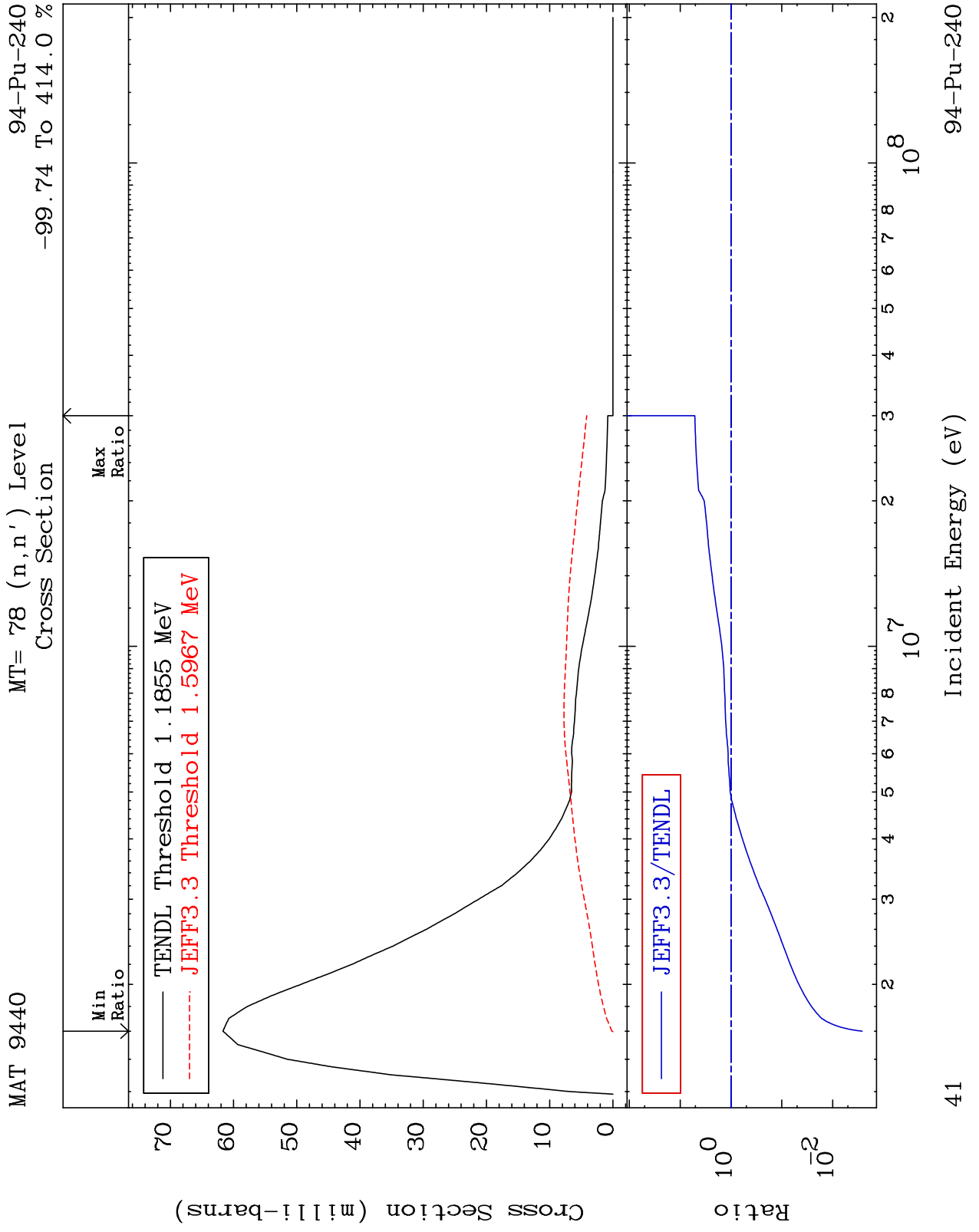


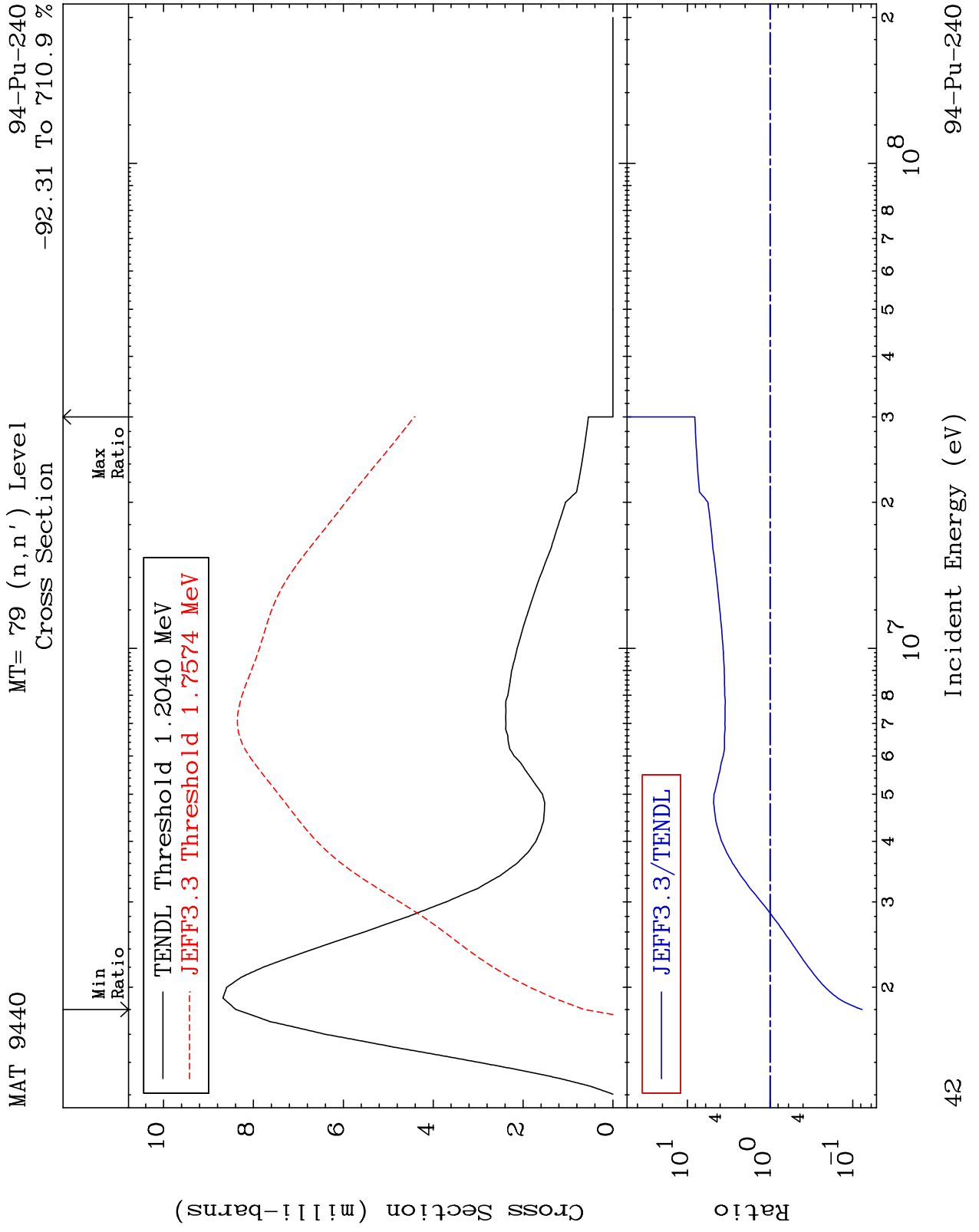
MAT 9440 MT= 76 (n,n') Level Cross Section 94-Pu-240
 -81.04 To 9999. %

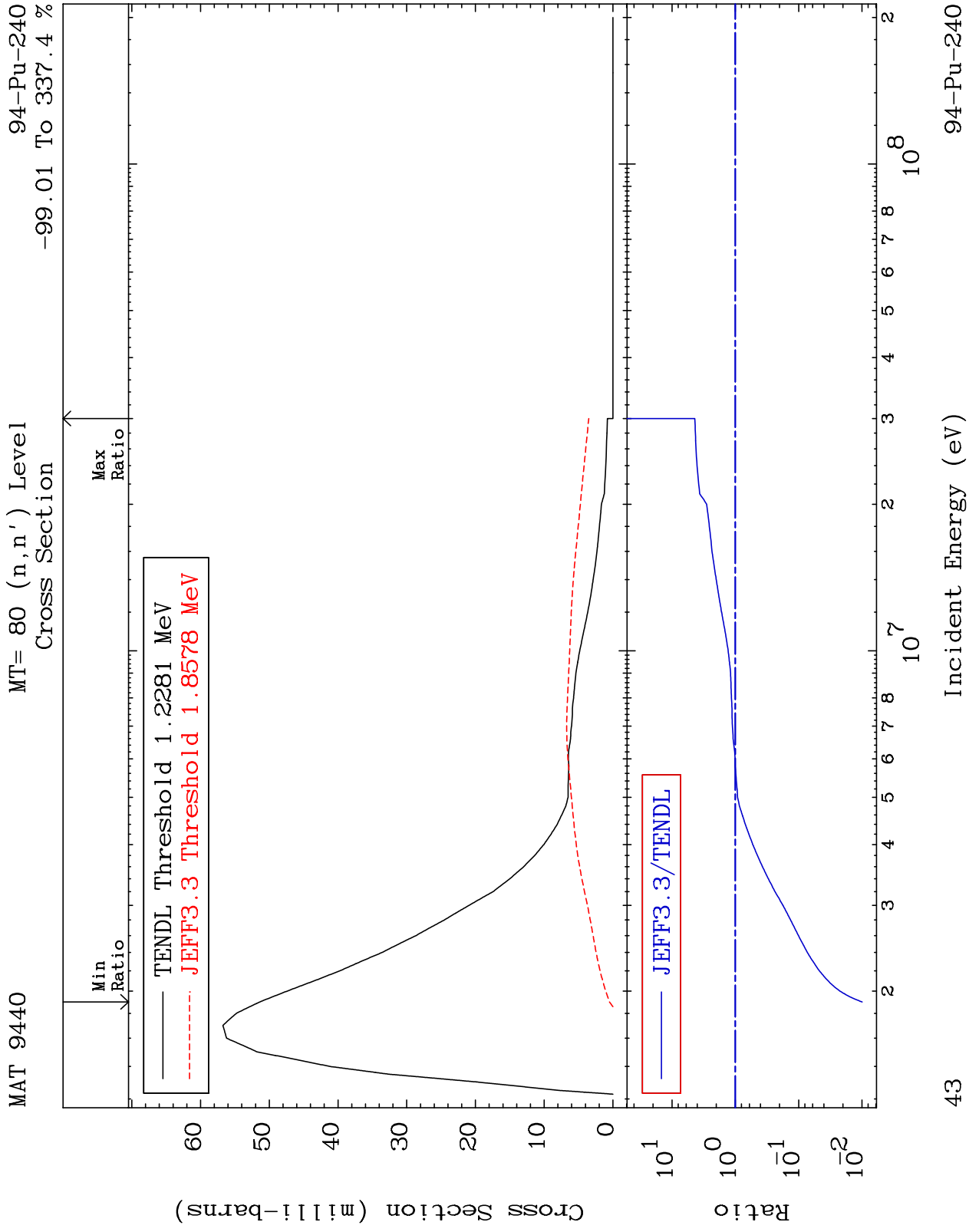


MAT 9440 MT= 77 (n,n') Level
Cross Section 94-Pu-240
-98.95 To 9999. %





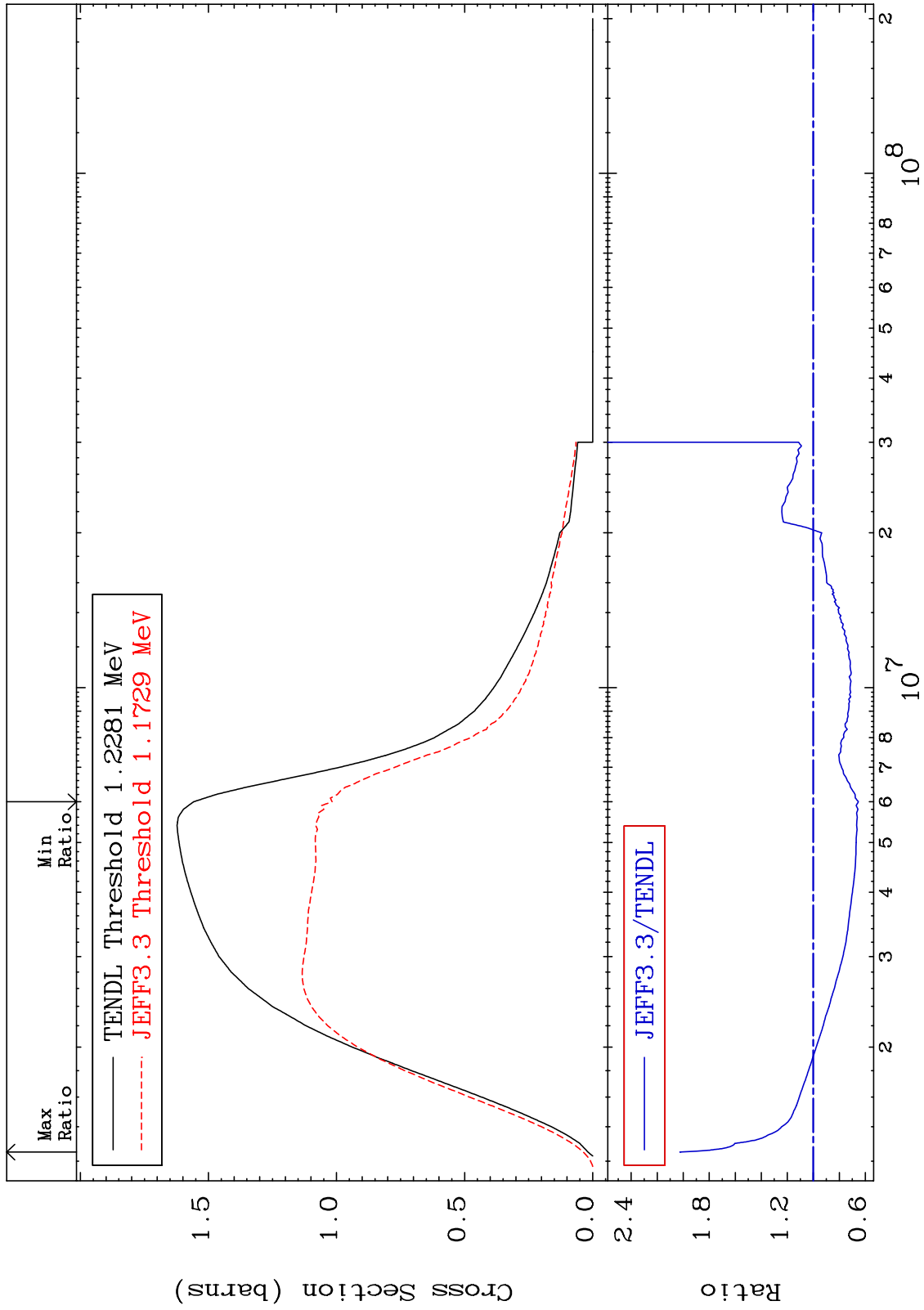




MAT 9440

(n, n') Continuum
Cross Section

94-Pu-240
-34.68 To 102.5 %



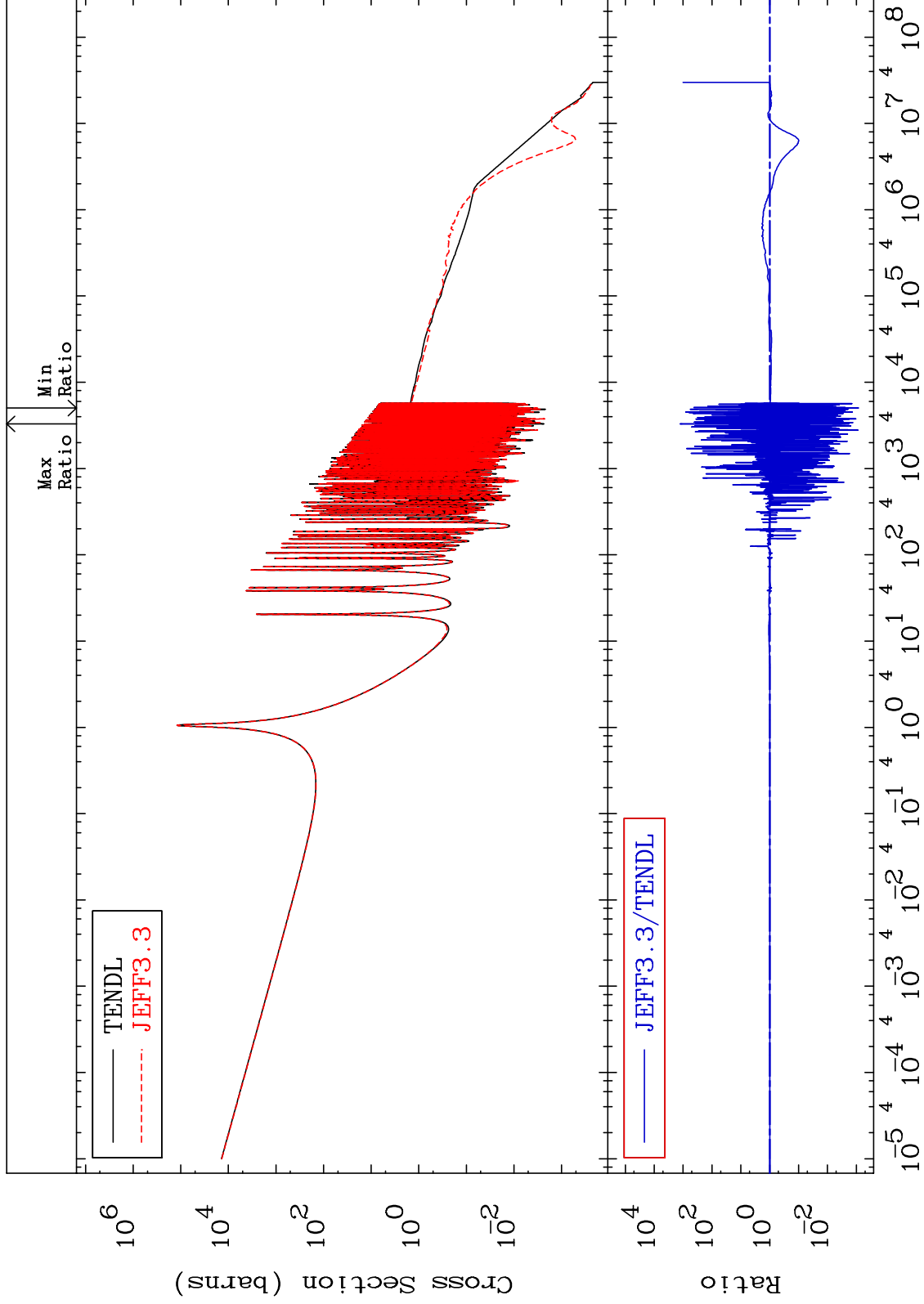
MAT 9440

(n, γ)

94-Pu-240

Cross Section

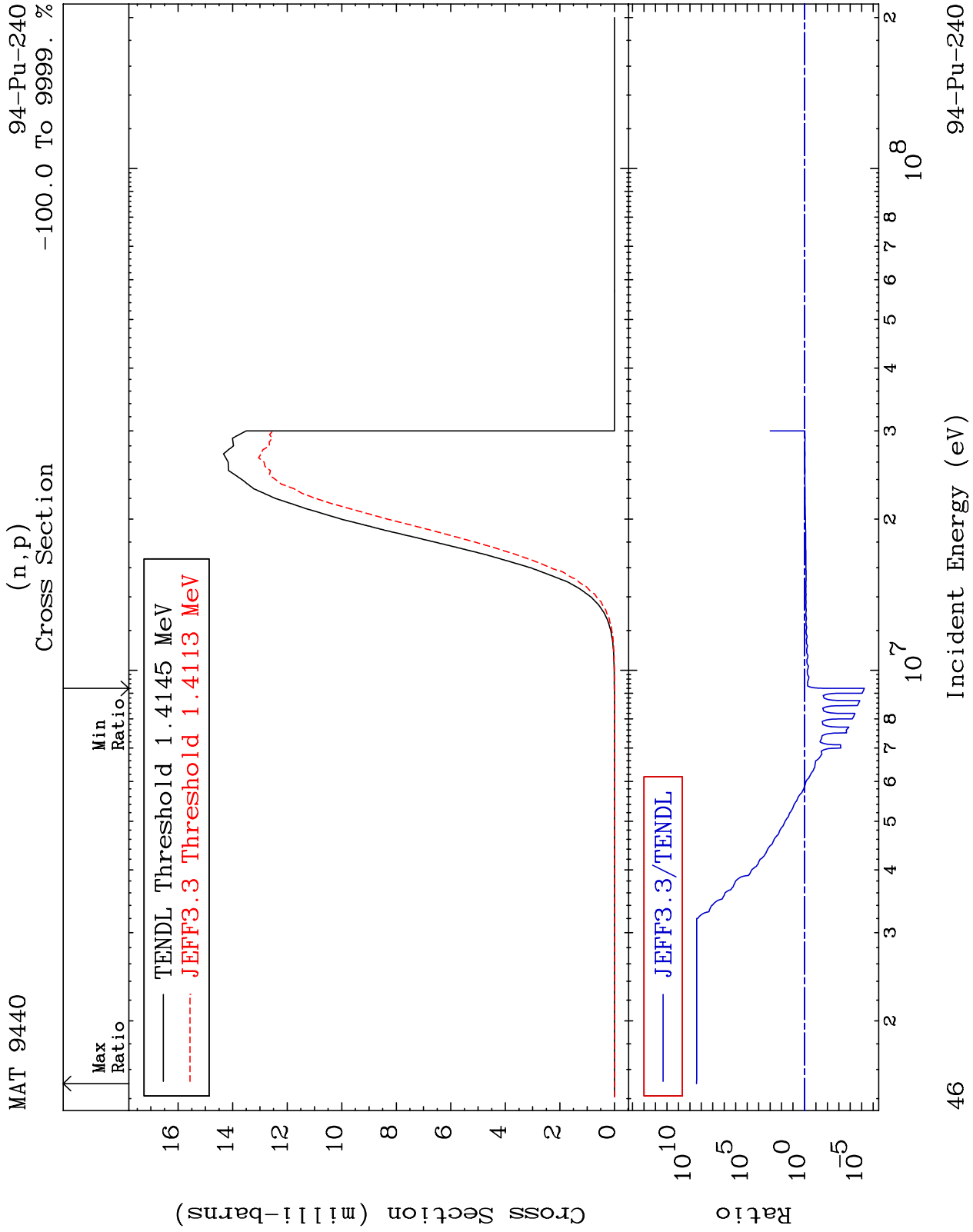
-99.92 To 9999. %



45

Incident Energy (eV)

94-Pu-240



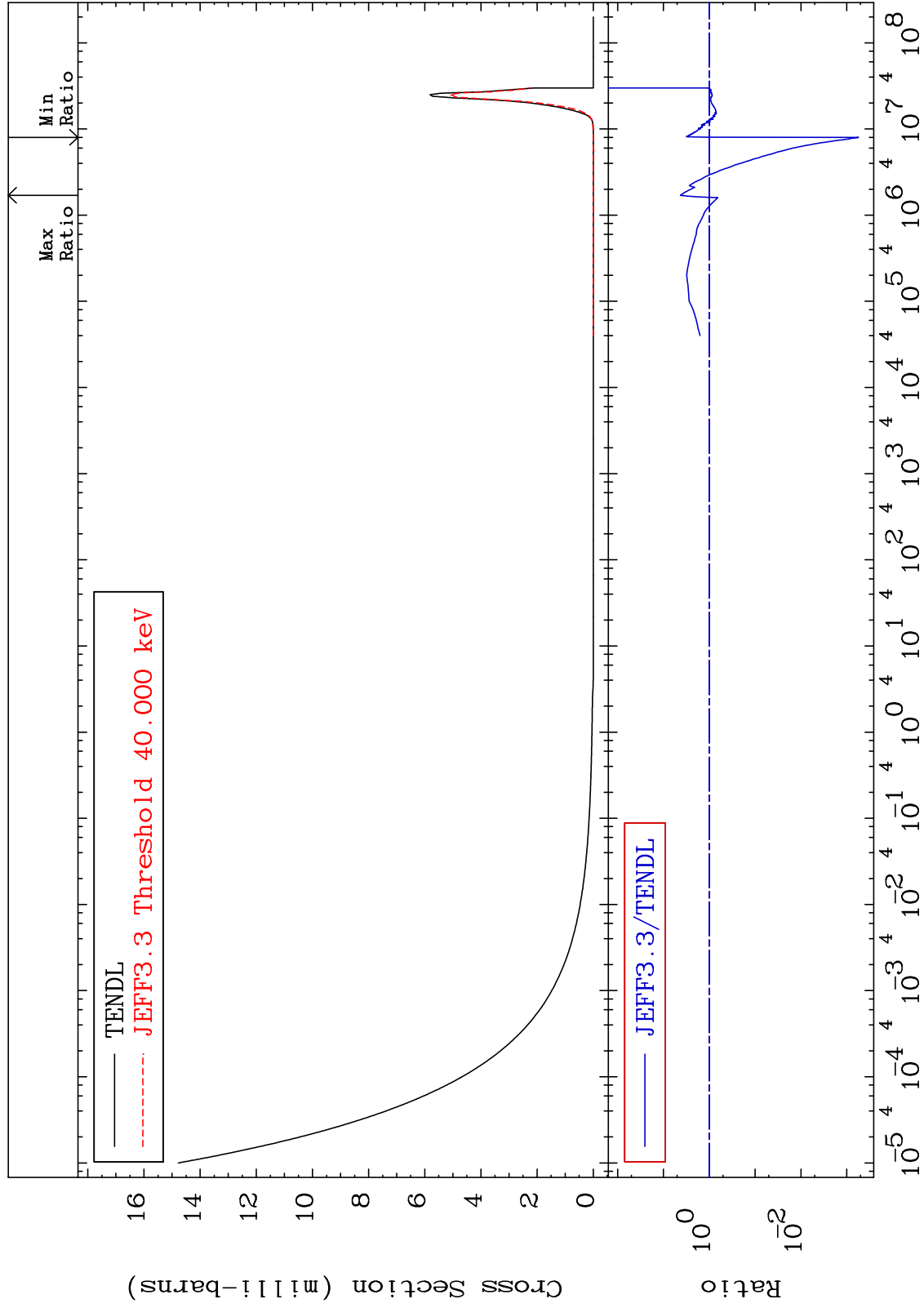
MAT 9440

(n, α)

94-Pu-240

Cross Section

-99.94 To 325.1 %



47

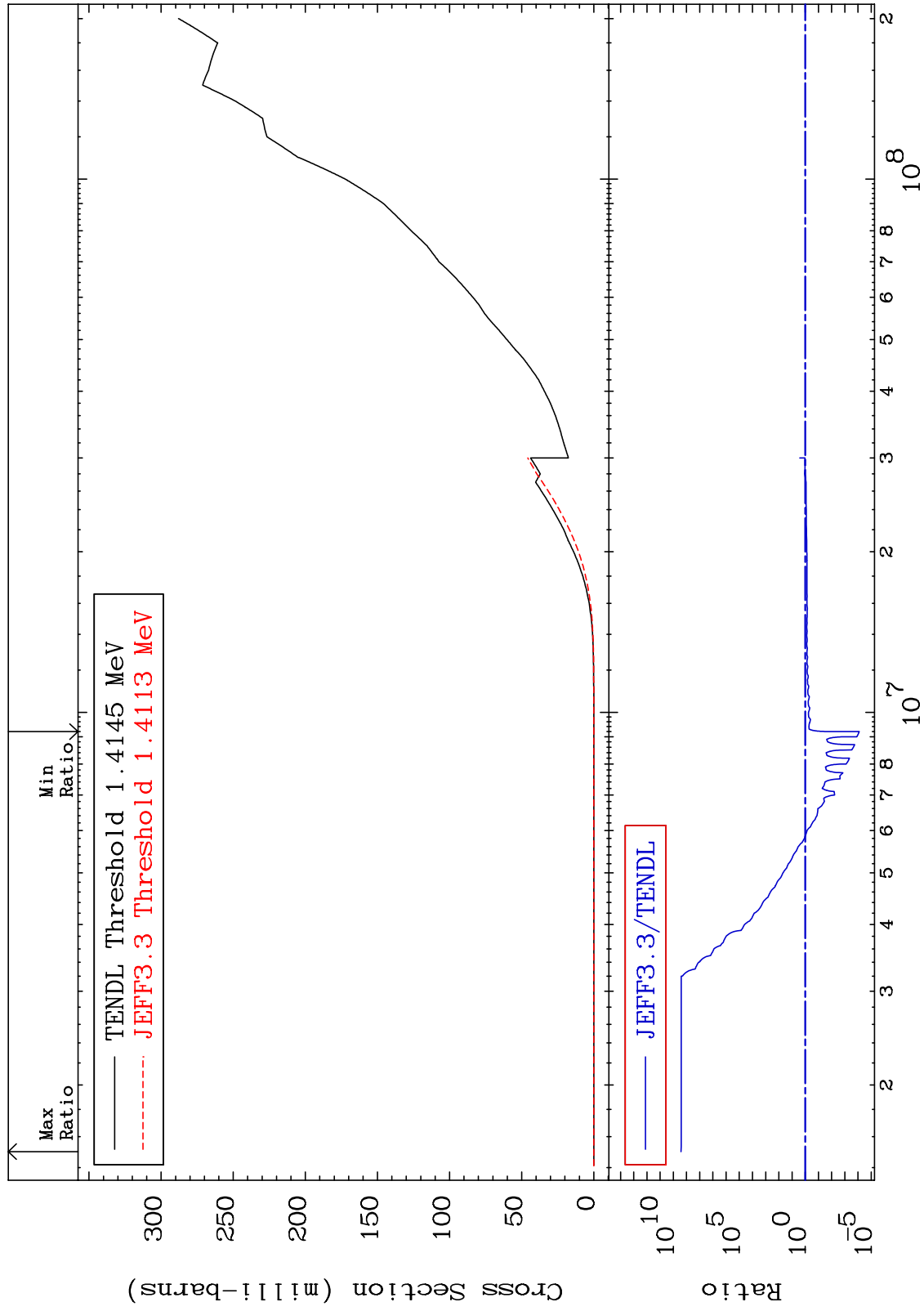
Incident Energy (eV)

94-Pu-240

MAT 9440

Hydrogen Production
Cross Section

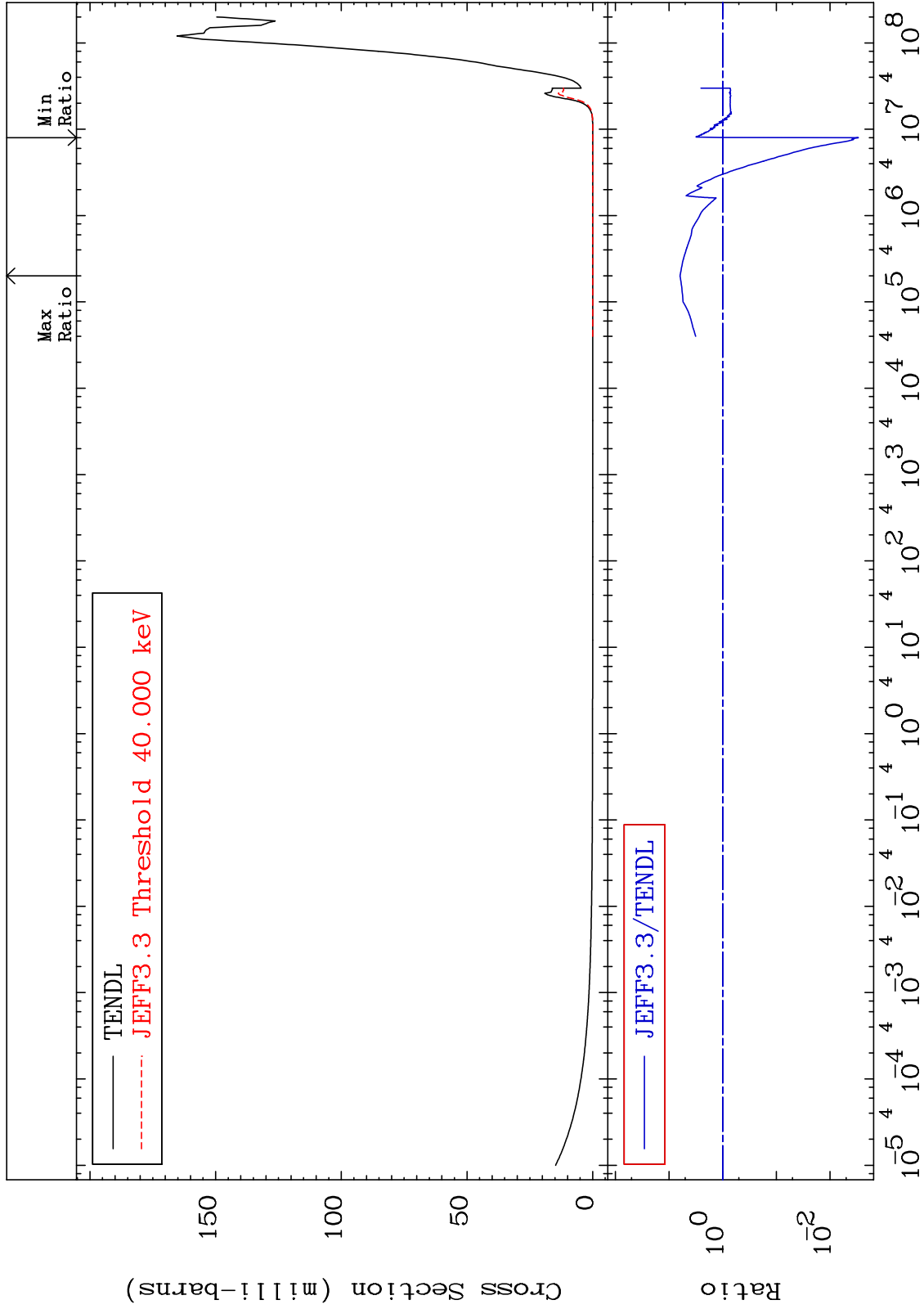
94-Pu-240
-99.99 To 9999. %



MAT 9440

He-4 Production
Cross Section

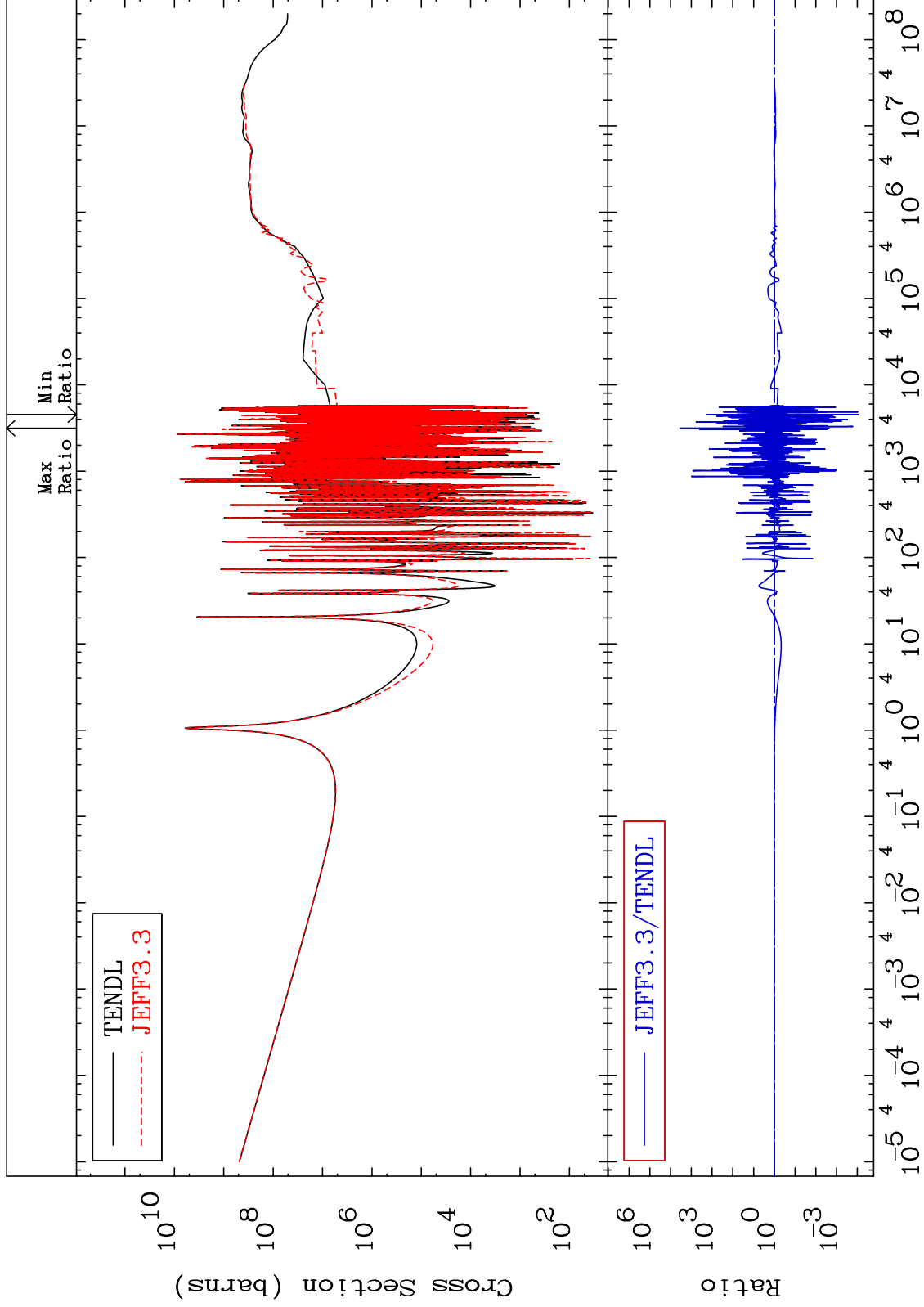
94-Pu-240
-99.70 To 524.3 %



MAT 9440

Kerma total (eV-barns)
Cross Section

94-Pu-240
-99.99 To 9999. %



50

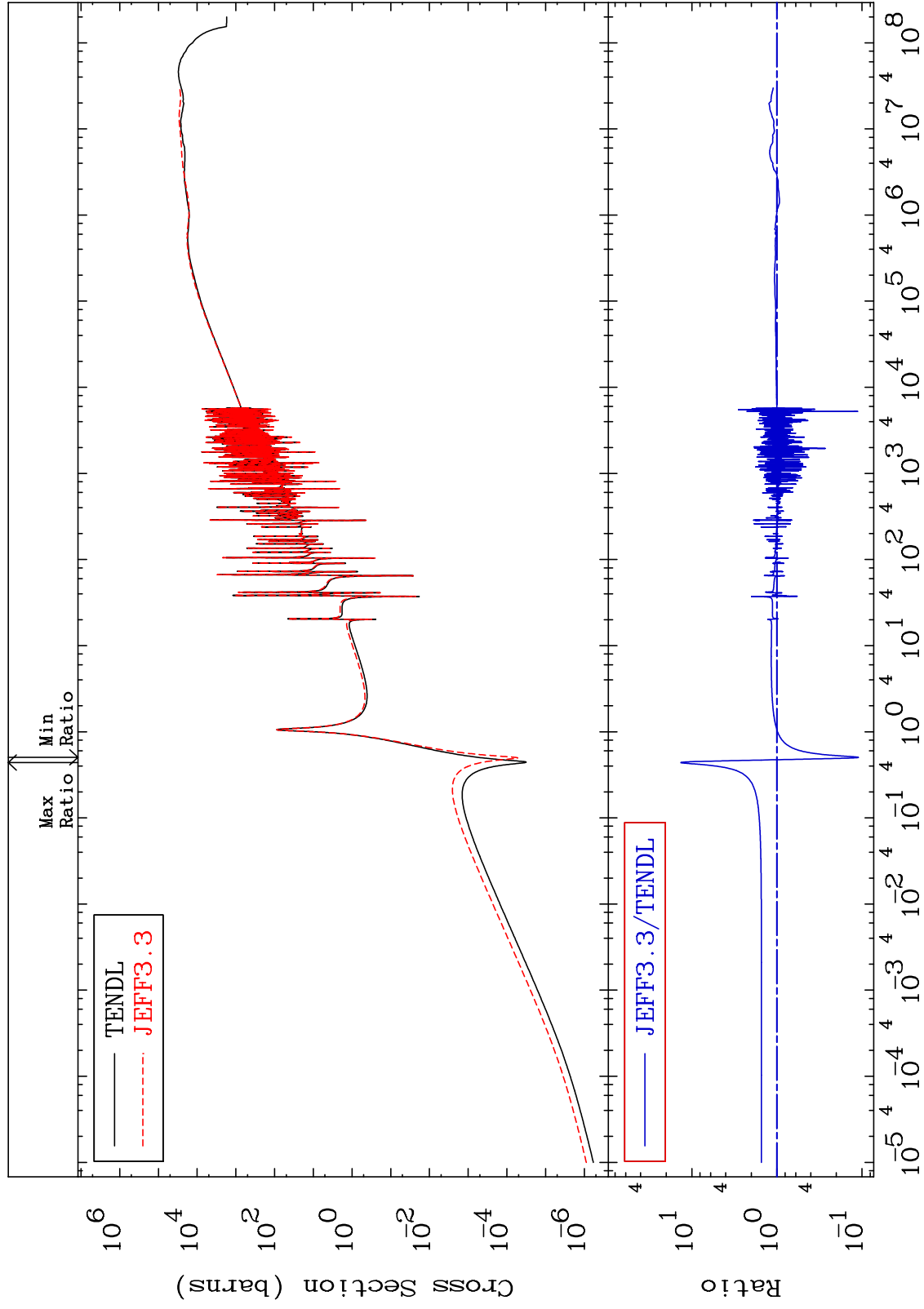
Incident Energy (eV)

94-Pu-240

MAT 9440

Kerma elastic
Cross Section

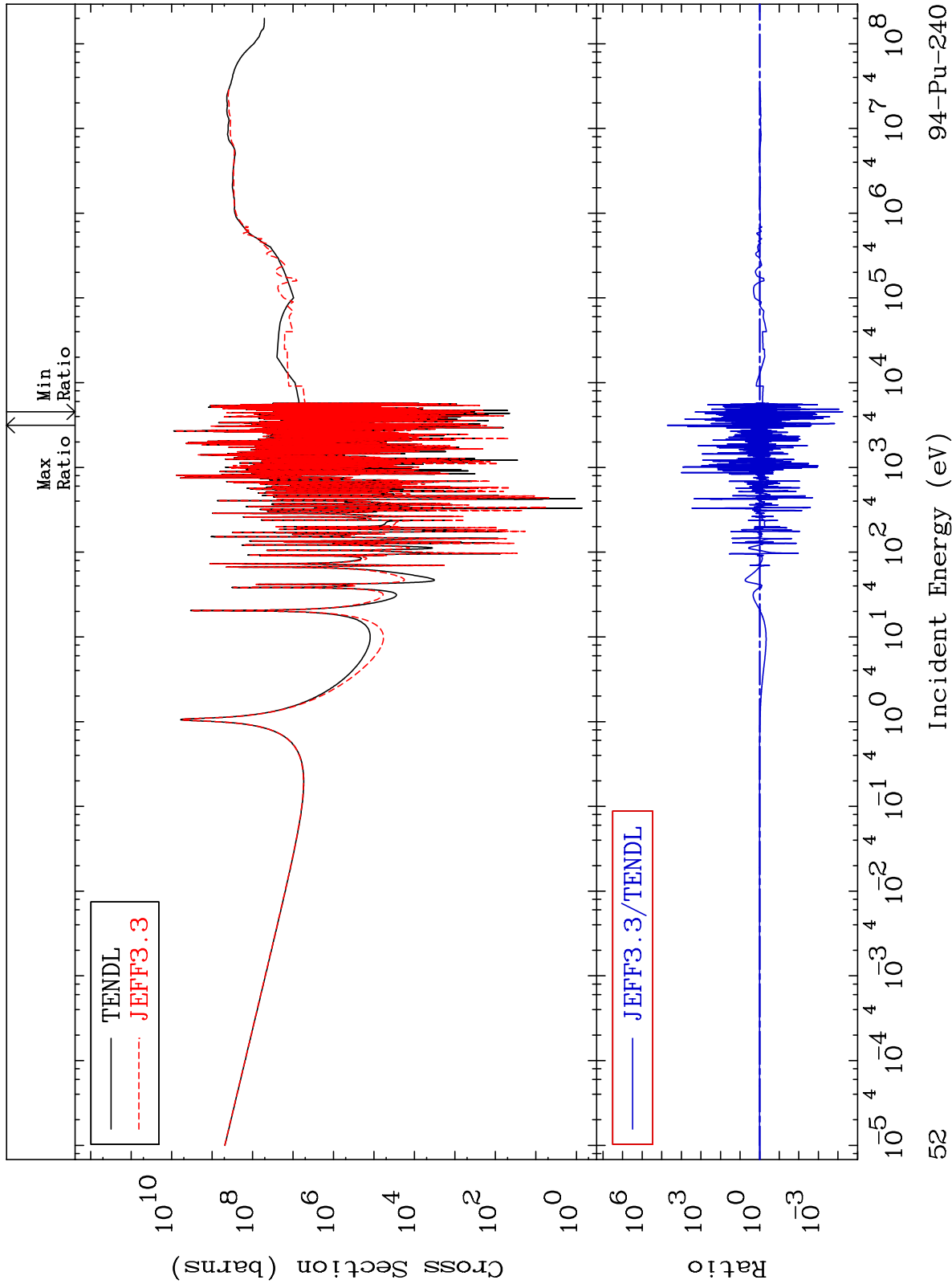
94-Pu-240
-89.03 To 1261. %



MAT 9440

Kerma non-elastic (all but mt2)
Cross Section

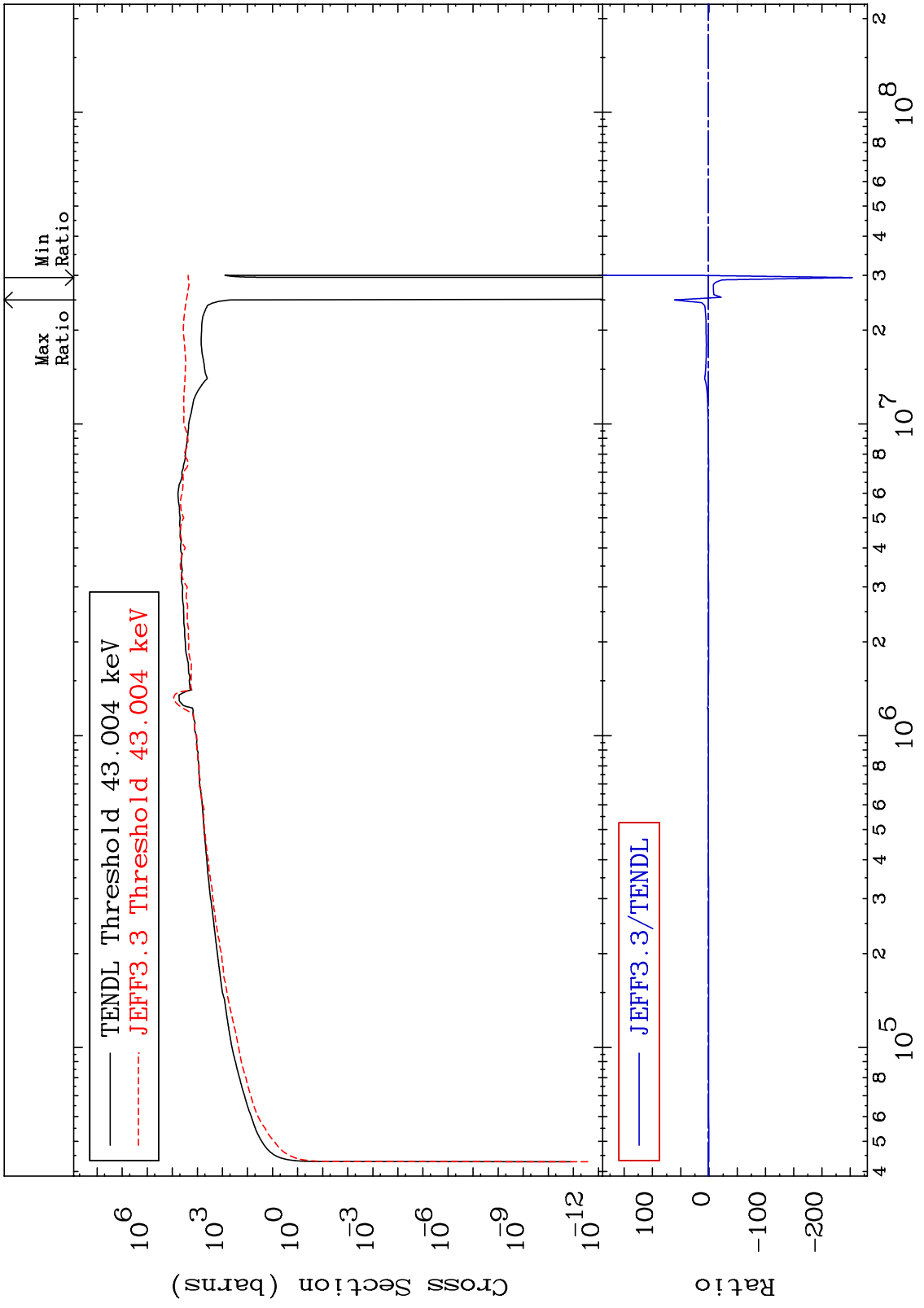
94-Pu-240
-99.99 To 9999. %



MAT 9440

Kerma inelastic (mt51-91)
Cross Section

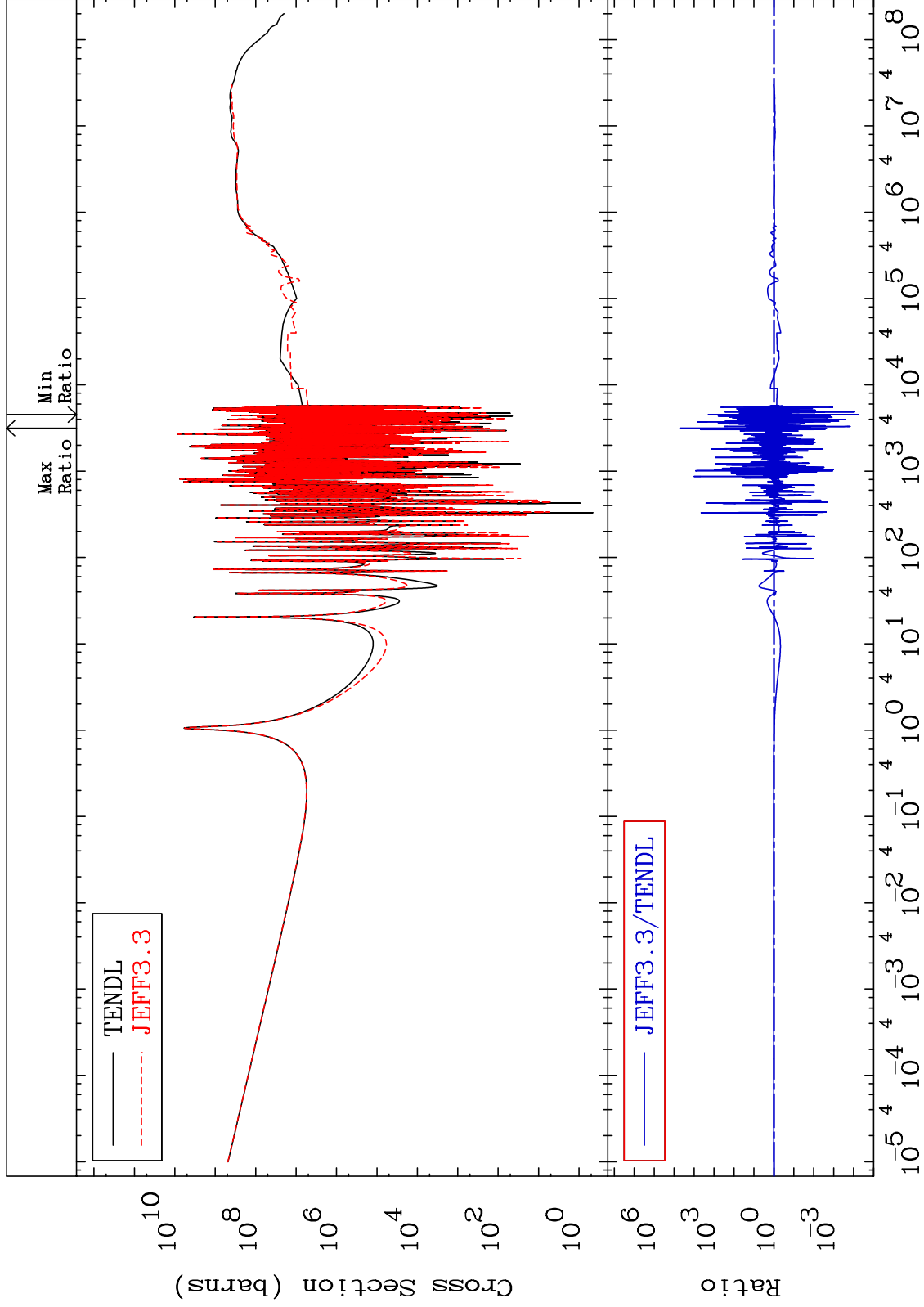
94-Pu-240
-9999. To 5987. %



MAT 9440

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

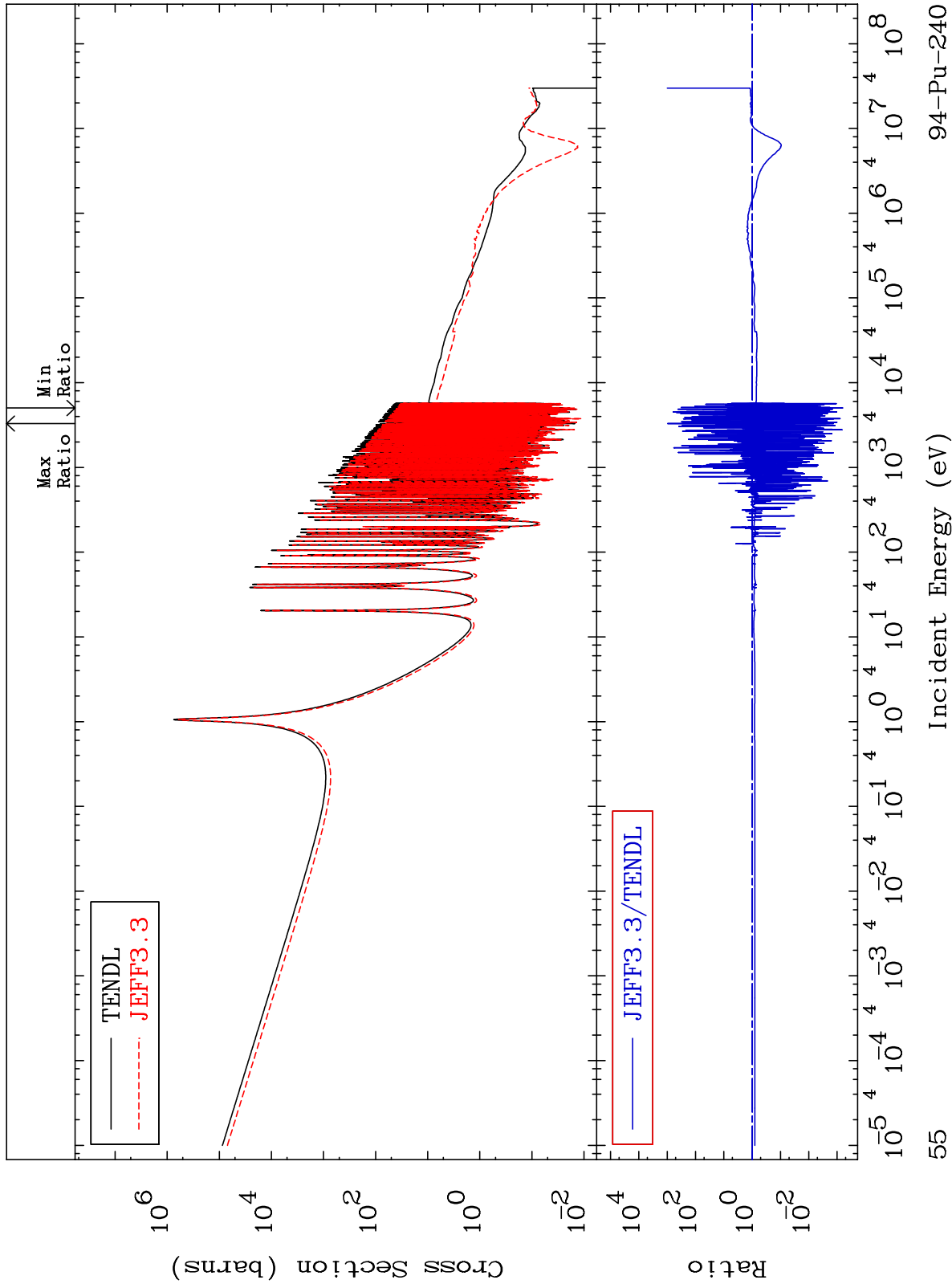
94-Pu-240
-99.99 To 9999. %

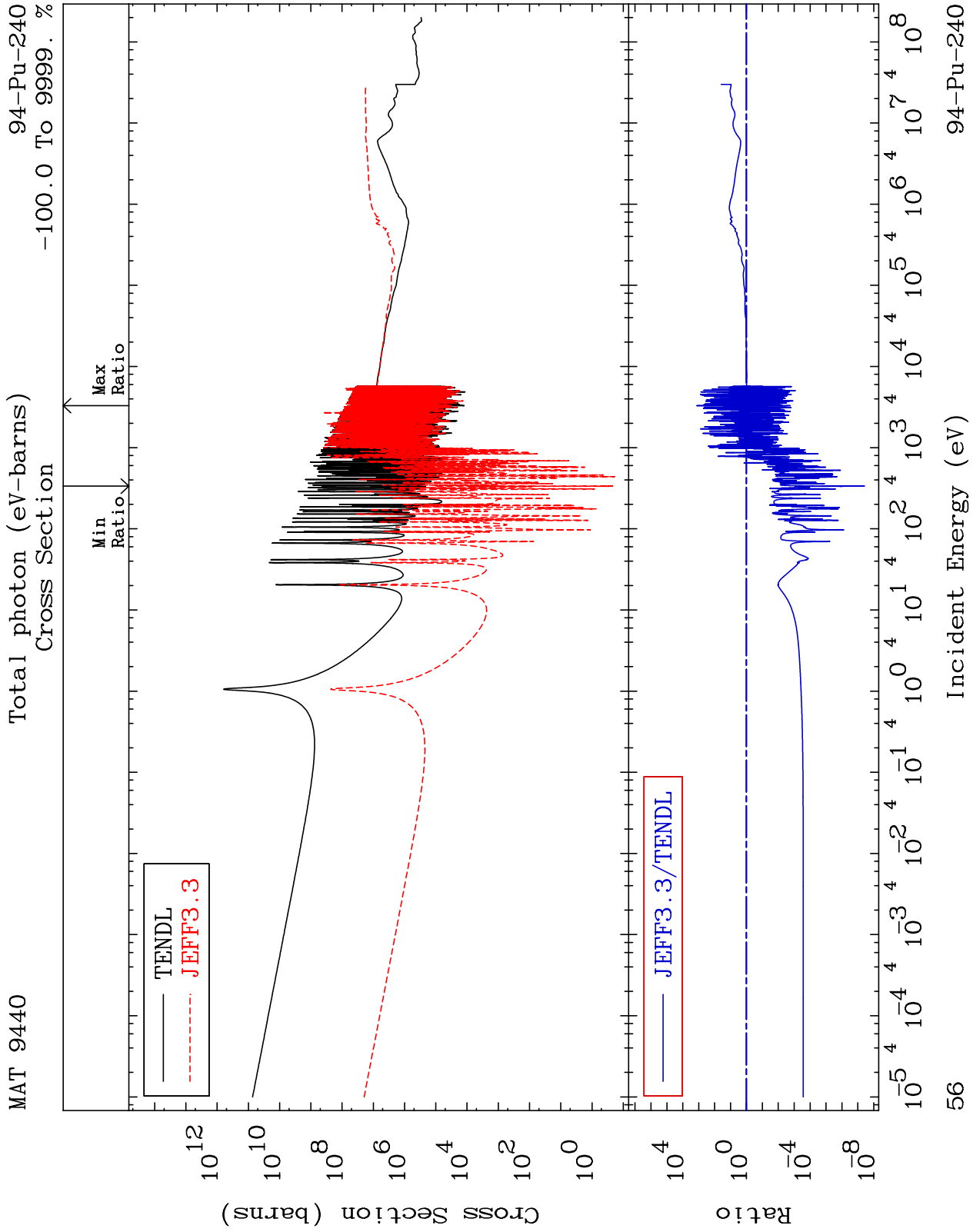


MAT 9440

Kerma capture (mt102)
Cross Section

94-Pu-240
-99.94 To 9999. %

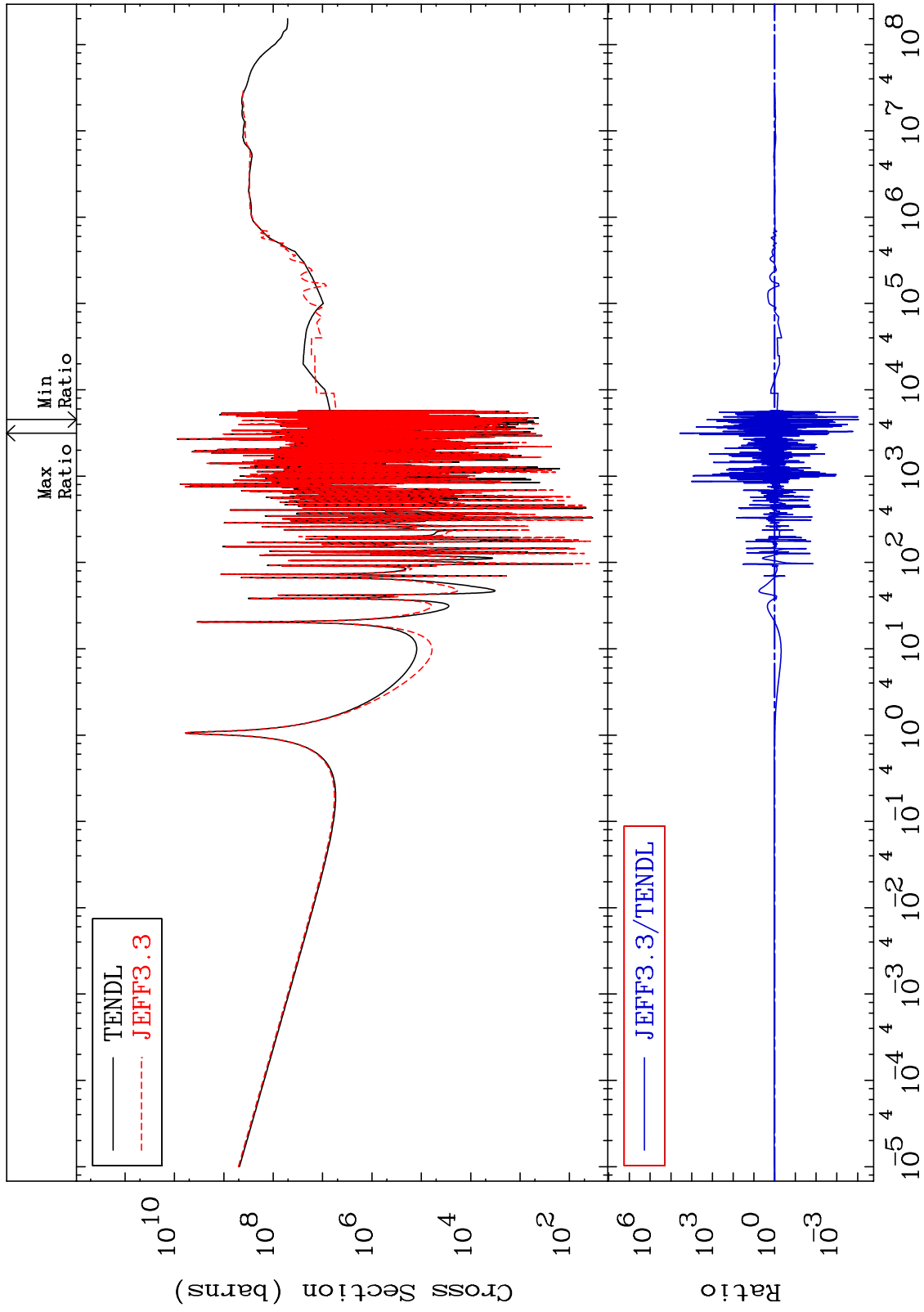




MAT 9440

Total kinematic kerma (high limit)
Cross Section

94-Pu-240
-99.99 To 9999. %



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Incident Energy (eV)

94-Pu-240

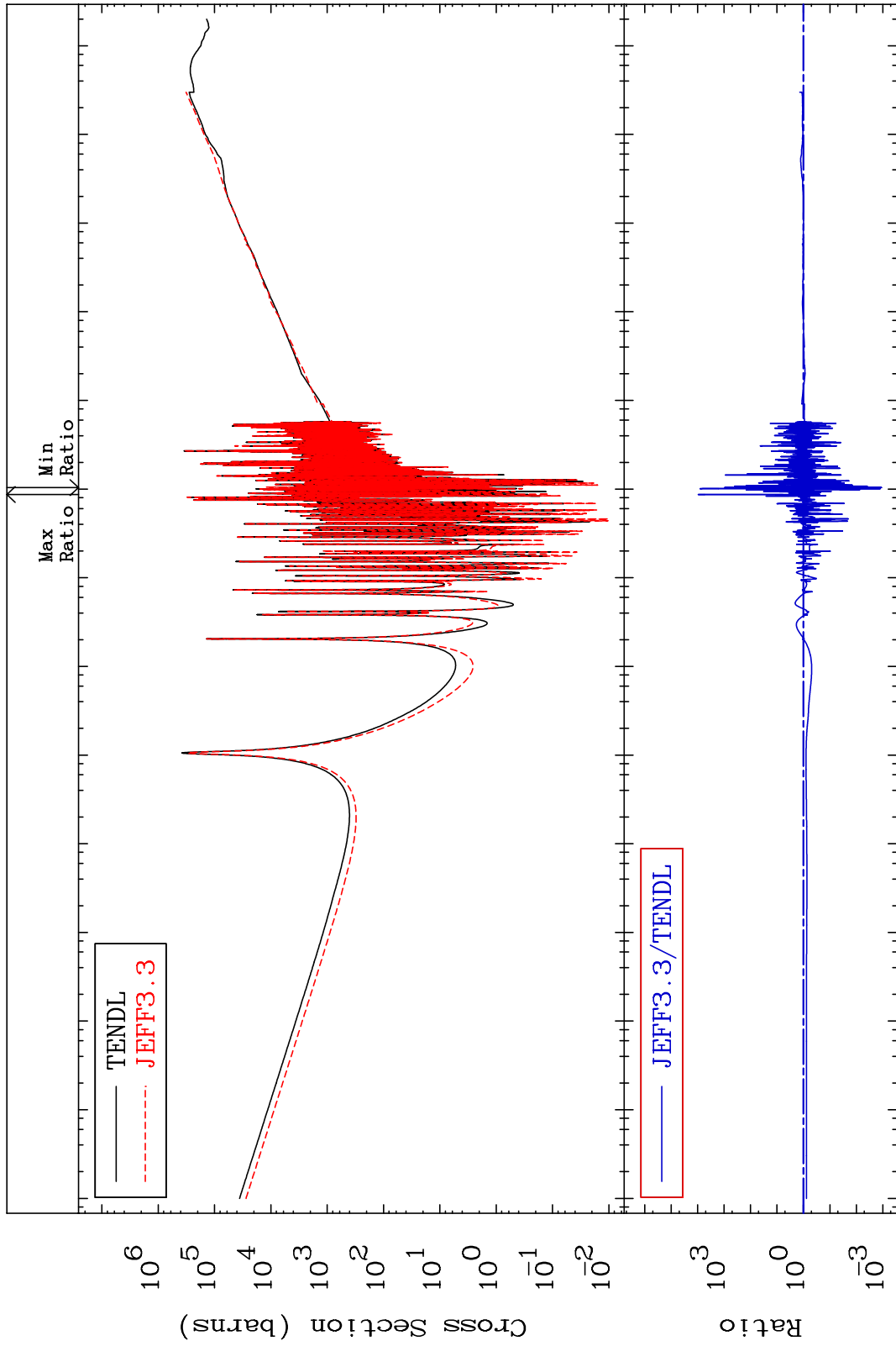
MAT 9440

Dpa total (eV-barns)

94-Pu-240

-99.89 To 9999. %

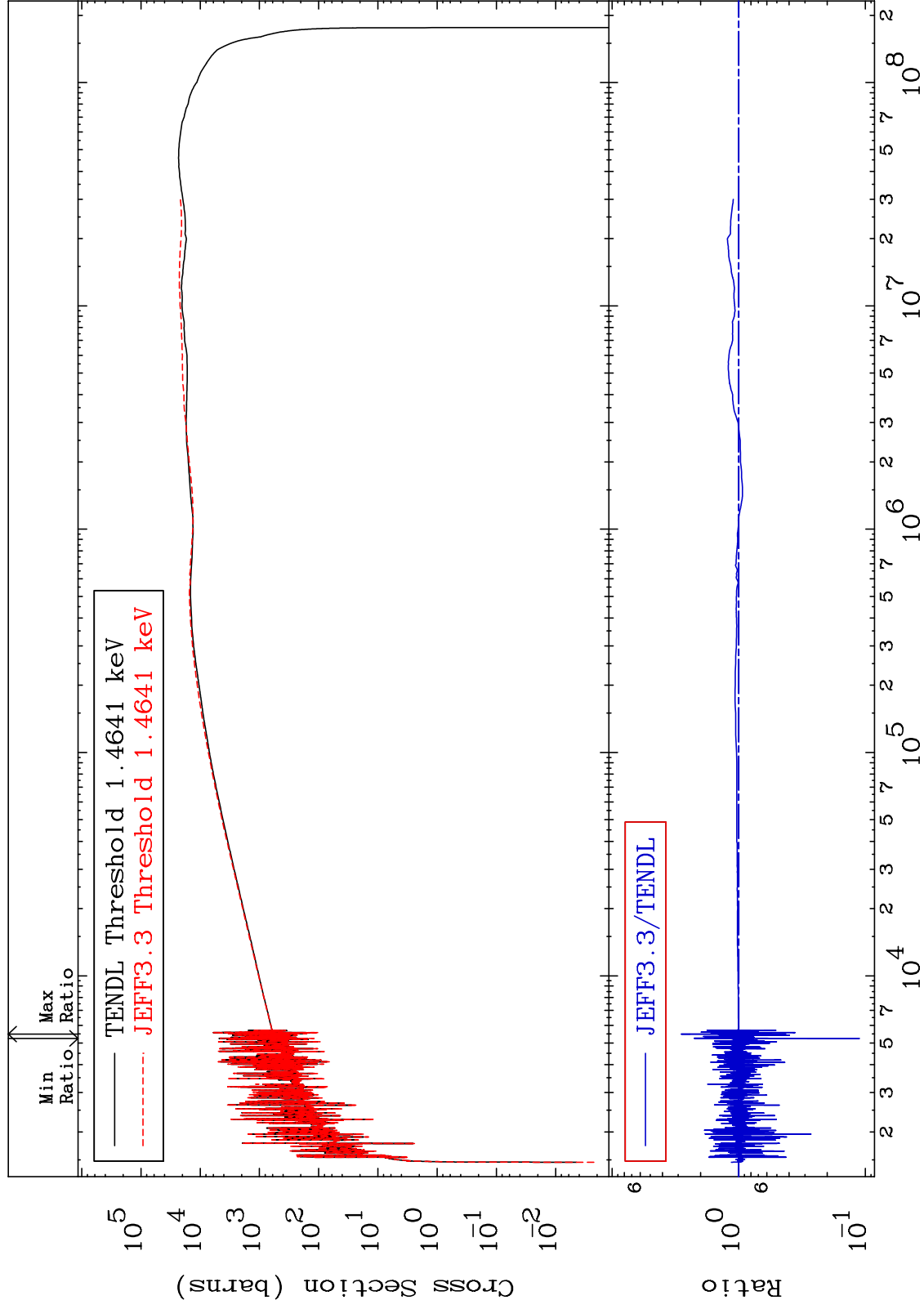
Cross Section



MAT 9440

Dpa elastic (mt2)
Cross Section

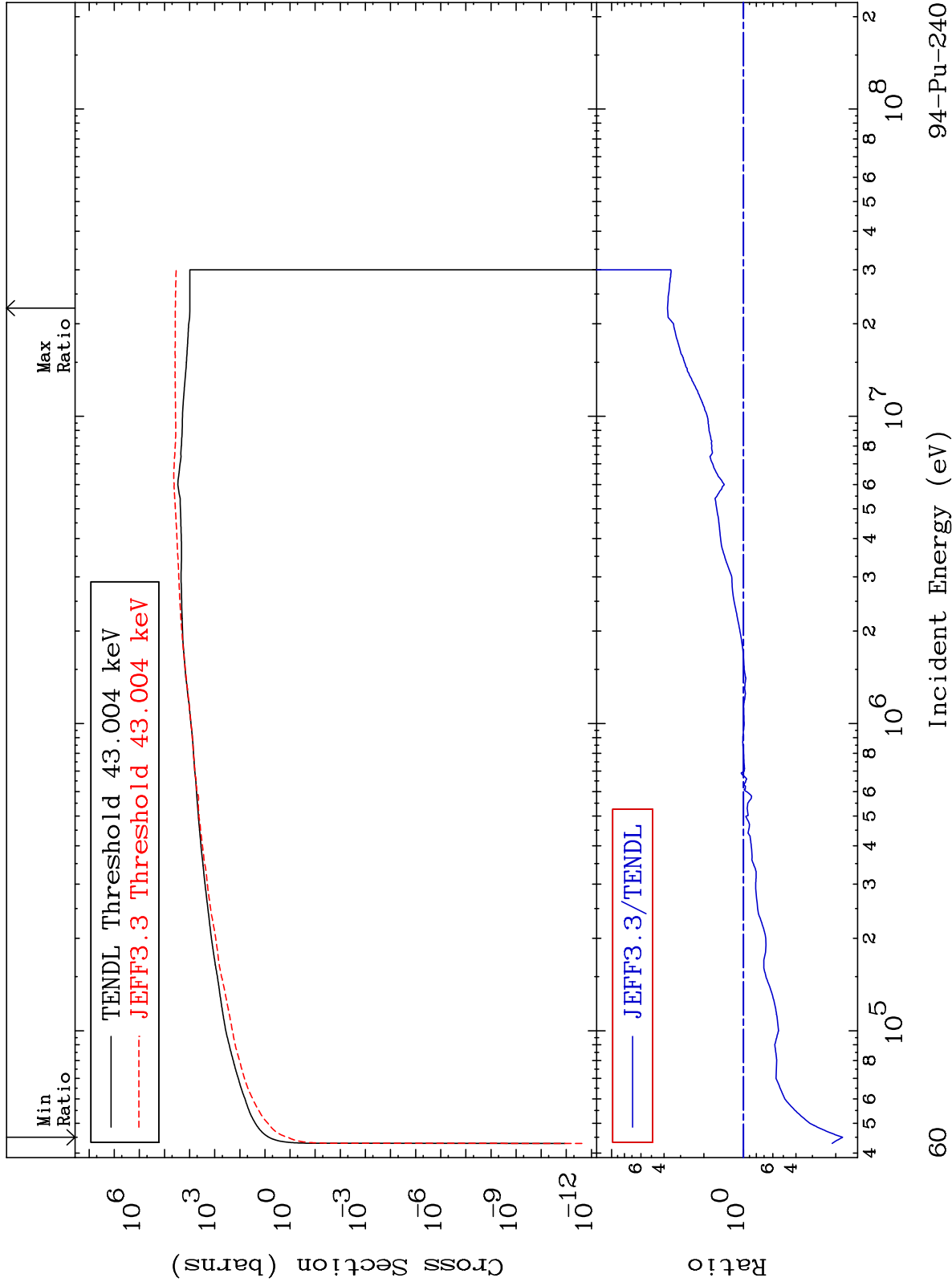
94-Pu-240
-88.84 To 185.1 %



MAT 9440

Dpa inelastic (mt51-91)
Cross Section

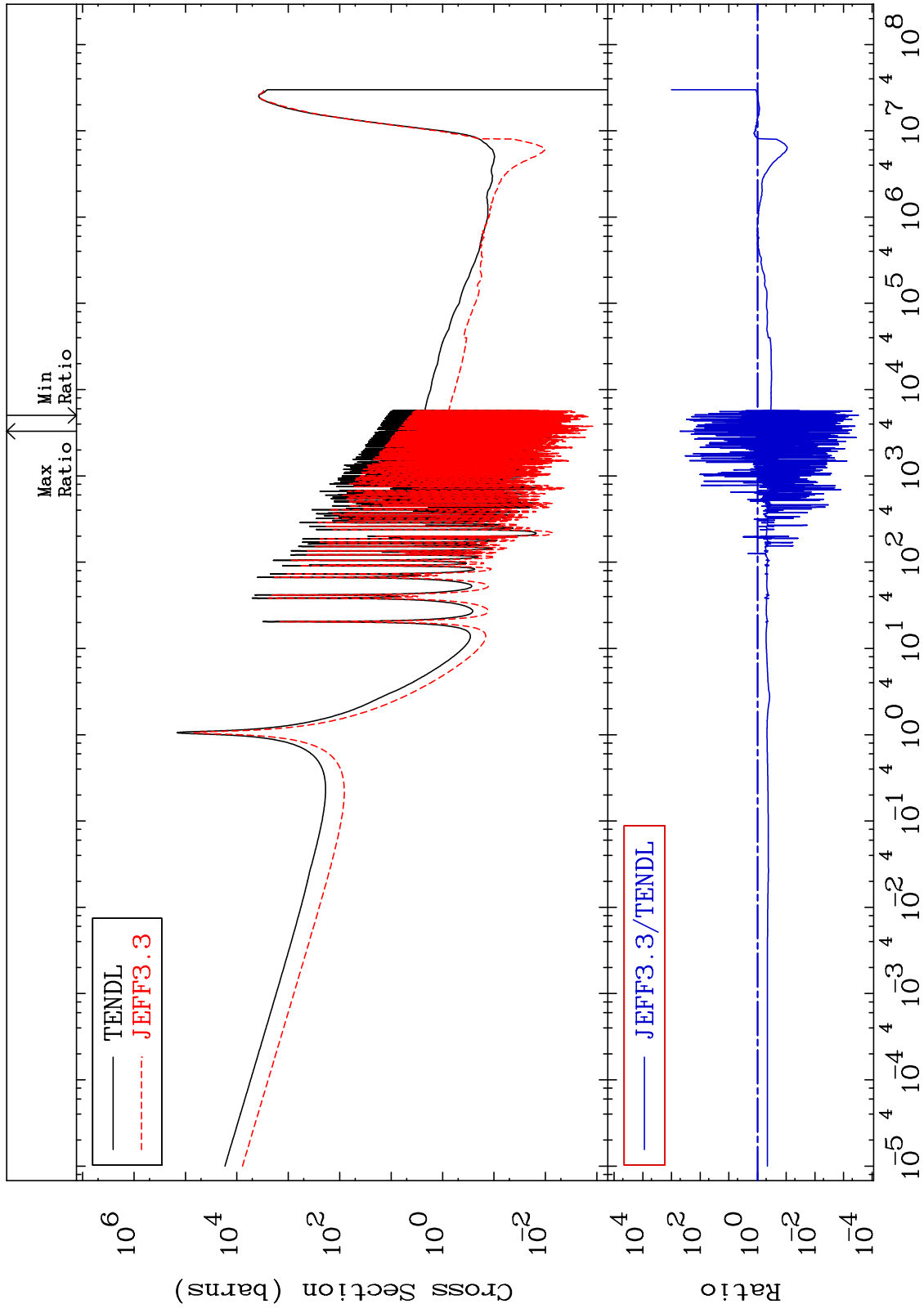
94-Pu-240
-82.28 To 276.7 %



MAT 9440

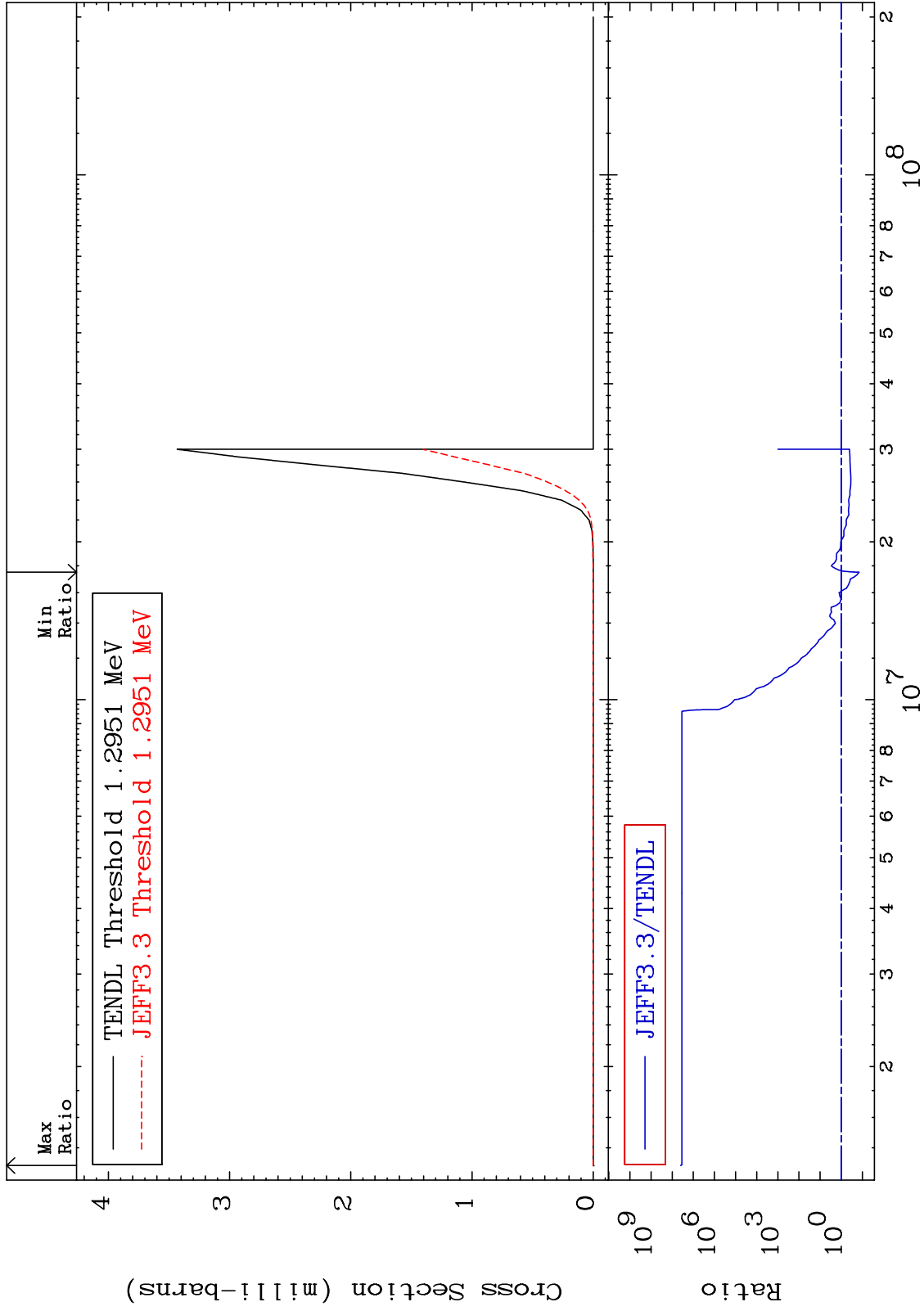
Dpa disappearance (mt102 -120)
Cross Section

94-Pu-240
-99.97 To 9999. %



MAT 9440

(n,2n) α :92-U -235g 94-Pu-240
Radionuclide Production Cross Section -85.80 To 9999. %



MAT 9440

(n,2n) α :92-U -235m1

94-Pu-240

Radionuclide Production Cross Section -93.93 To 9999. %

