

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

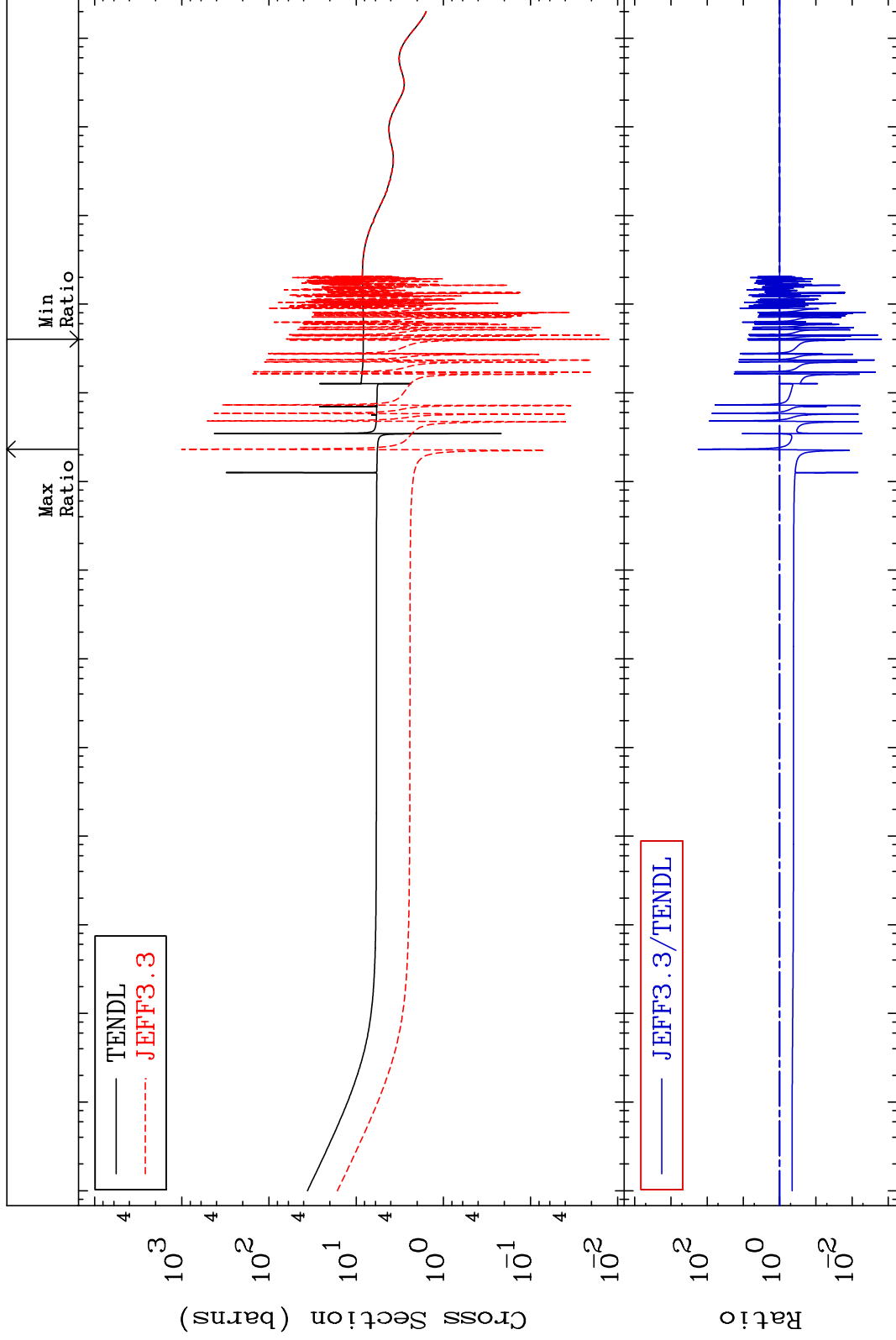
MAT 3843

Total

Cross Section

38-Sr-90

-99.85 To 9999. %



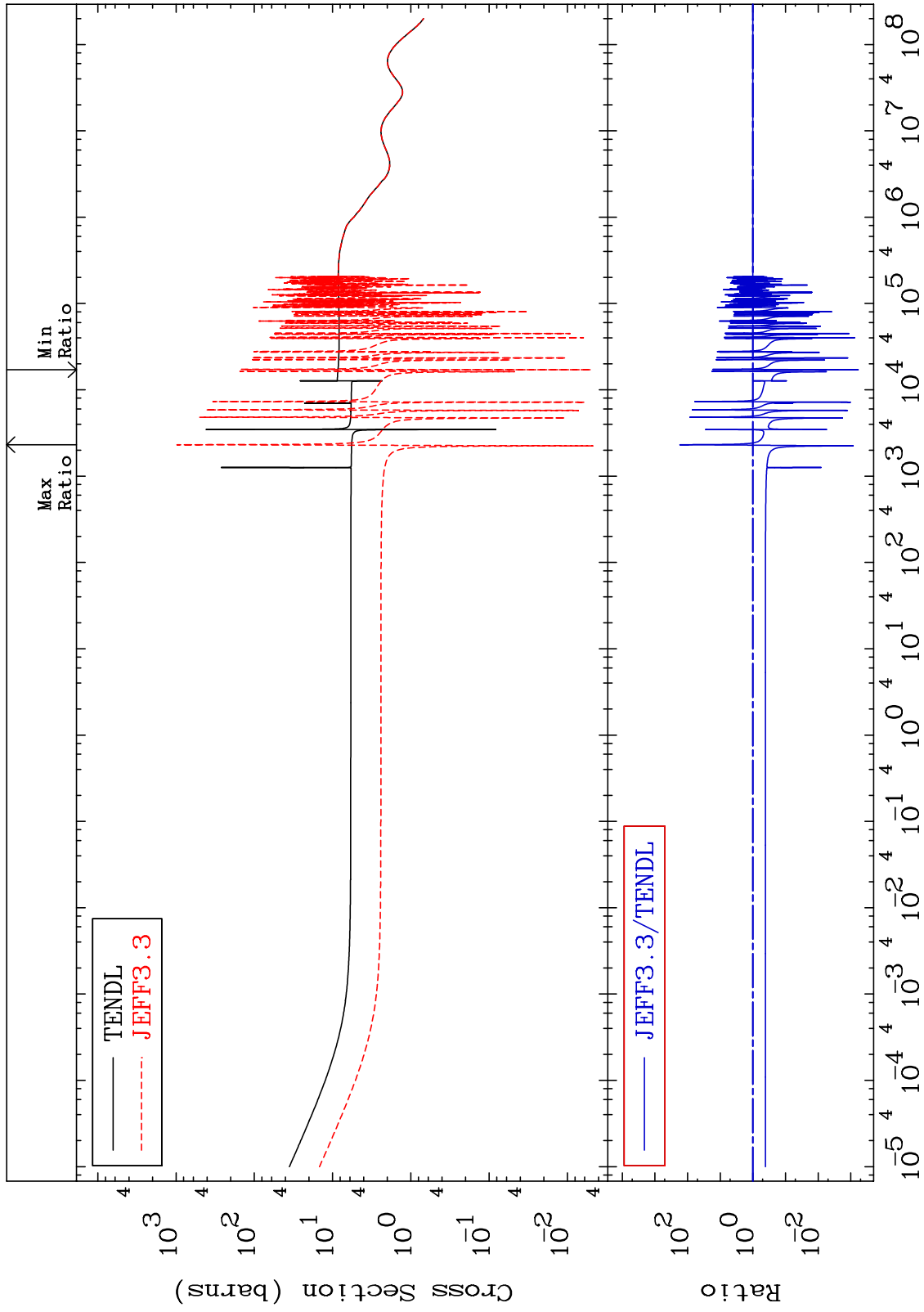
Incident Energy (eV)

38-Sr-90

MAT 3843

Elastic
Cross Section

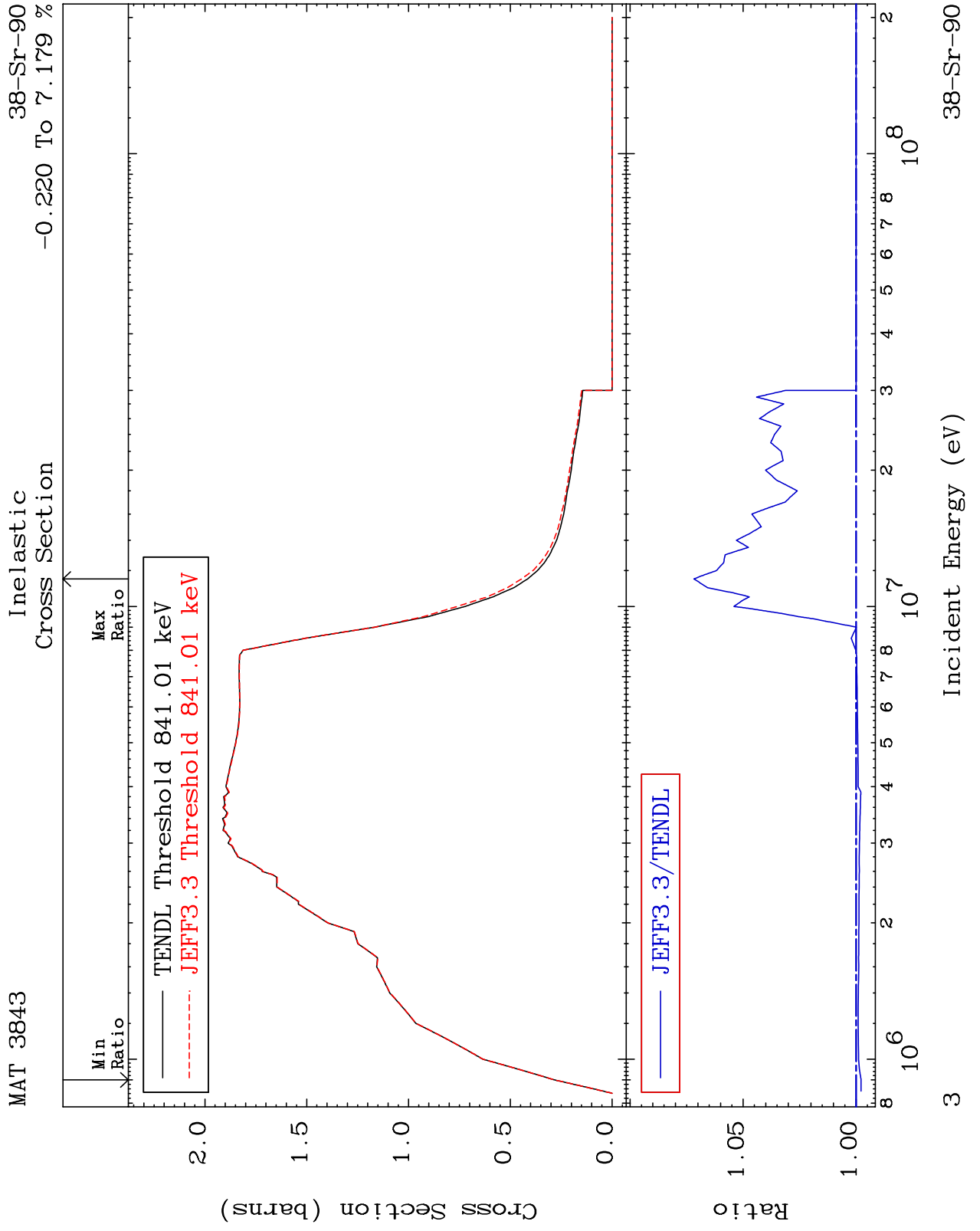
38-Sr-90
-99.94 To 9999. %



Incident Energy (eV)

38-Sr-90

2



MAT 3843

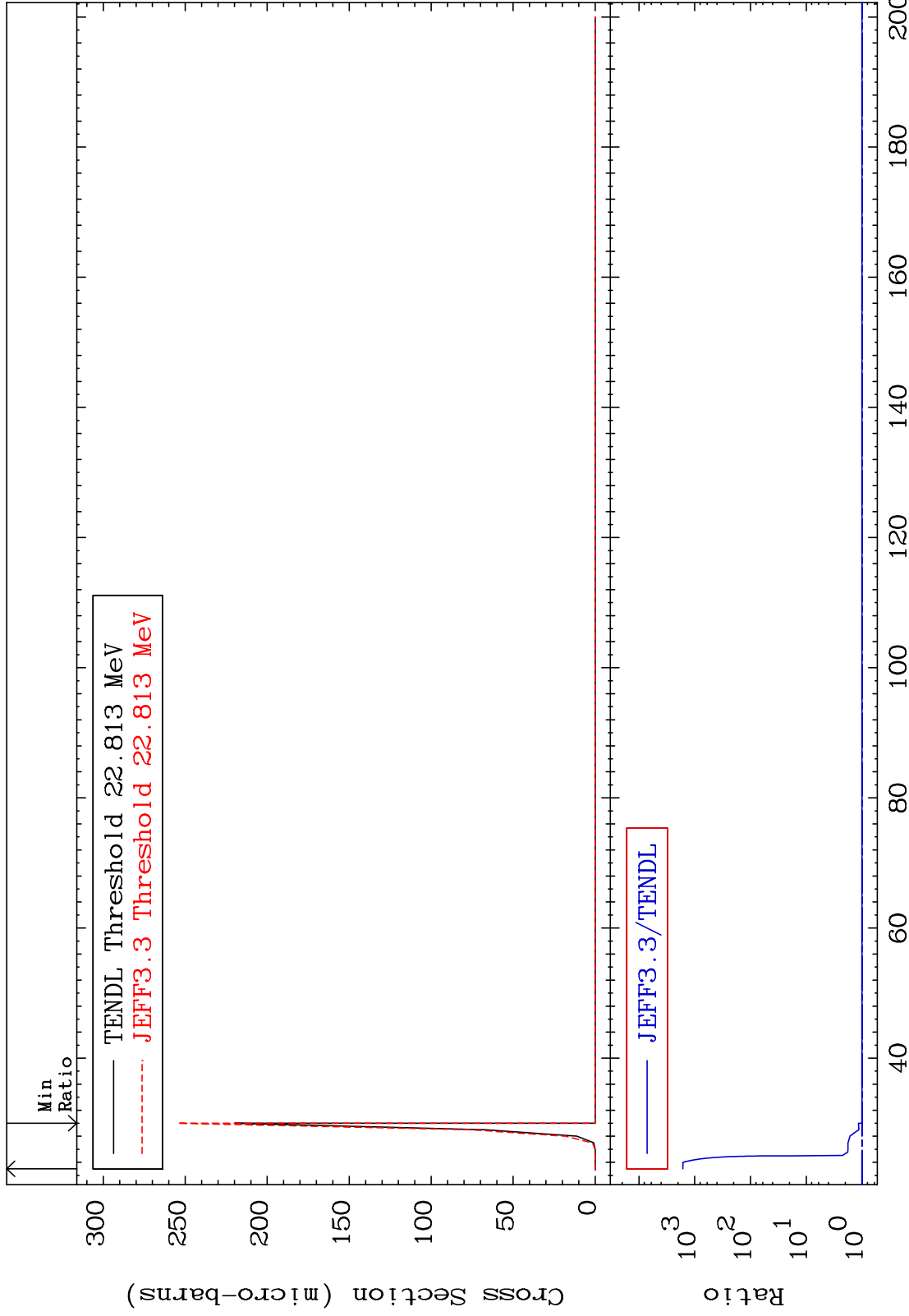
(n,2n) d

³⁸Sr-90

Cross Section

0.000

To 9999. %



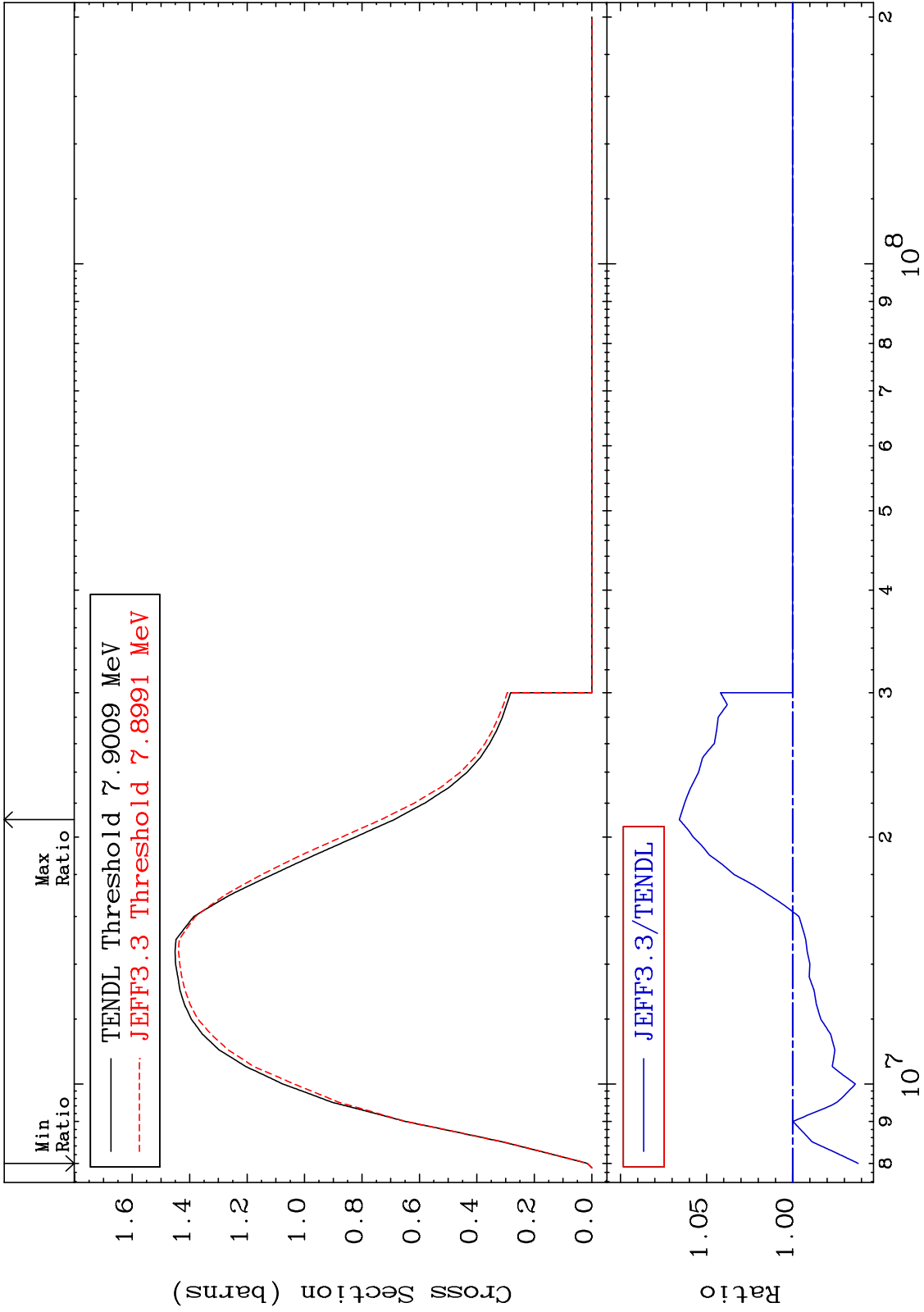
MAT 3843

(n,2n)

38-Sr-90

Cross Section

-3.808 To 6.580 %



5

Incident Energy (eV)

38-Sr-90

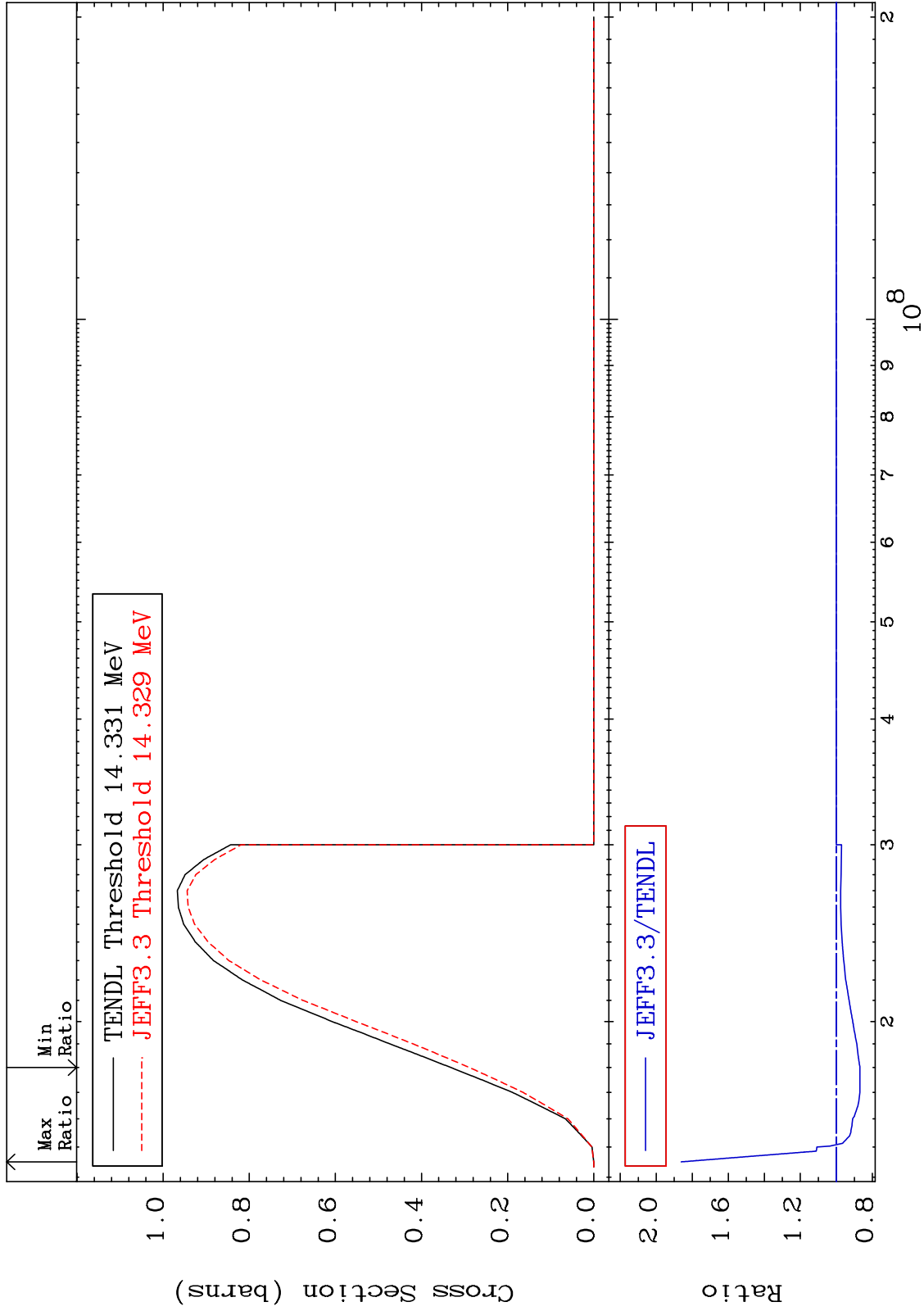
MAT 3843

(n, 3n)

38-Sr-90

Cross Section

-13.08 To 86.13 %



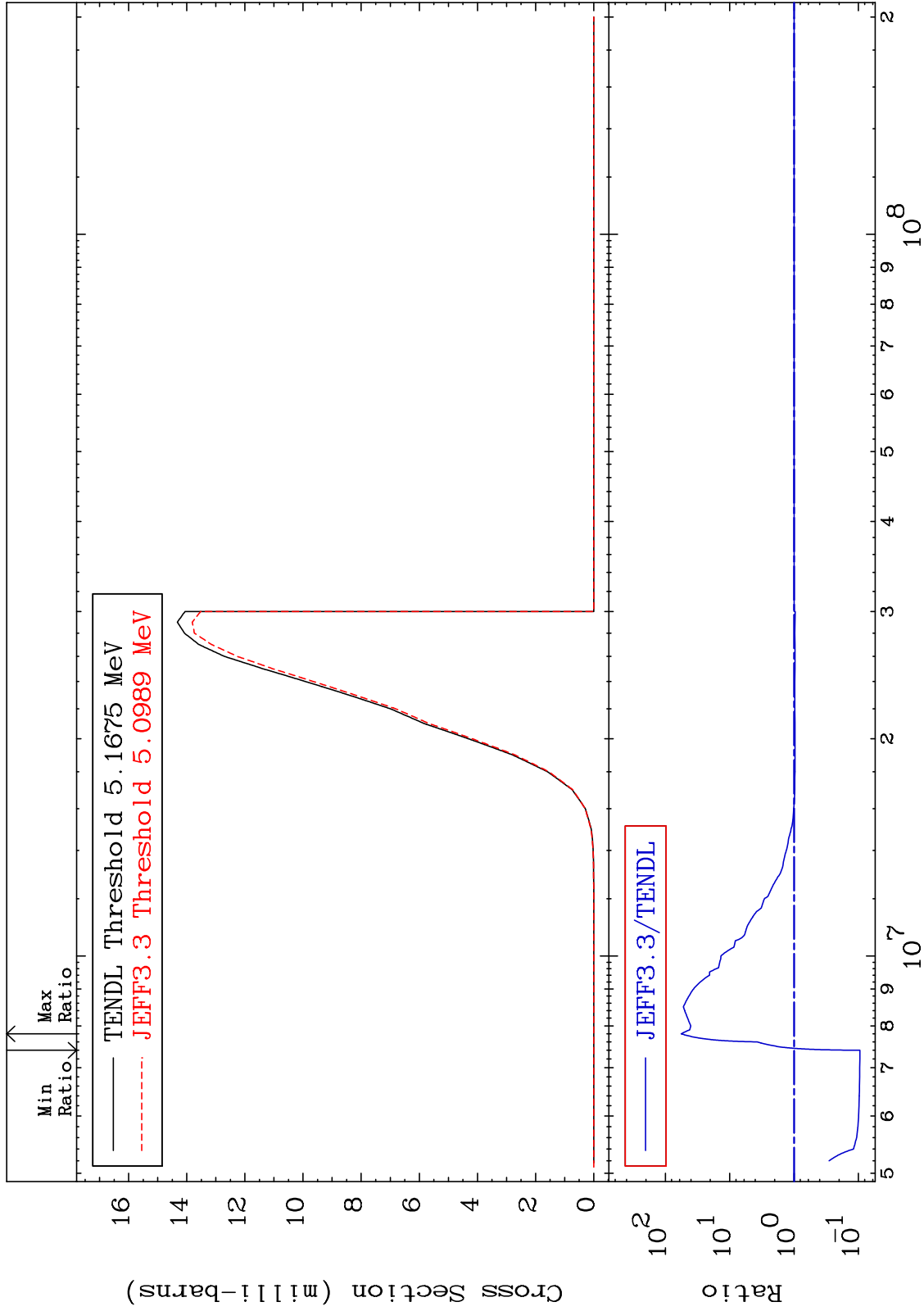
MAT 3843

$(n, n') \alpha$

38-Sr-90

Cross Section

-90.51 To 5562. %



7

Incident Energy (eV)

38-Sr-90

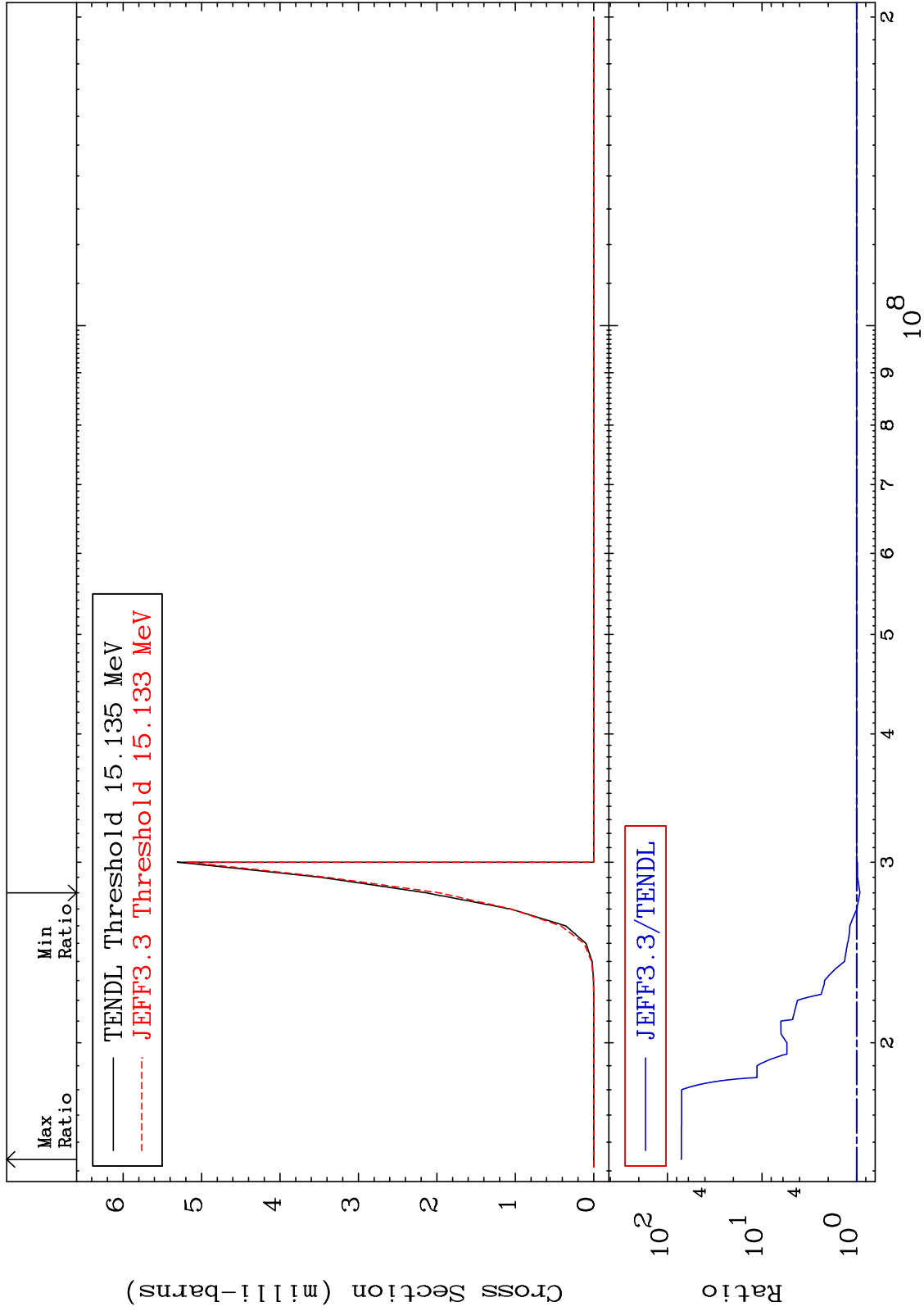
MAT 3843

(n,2n) α

38-Sr-90

Cross Section

-7.783 To 7029. %



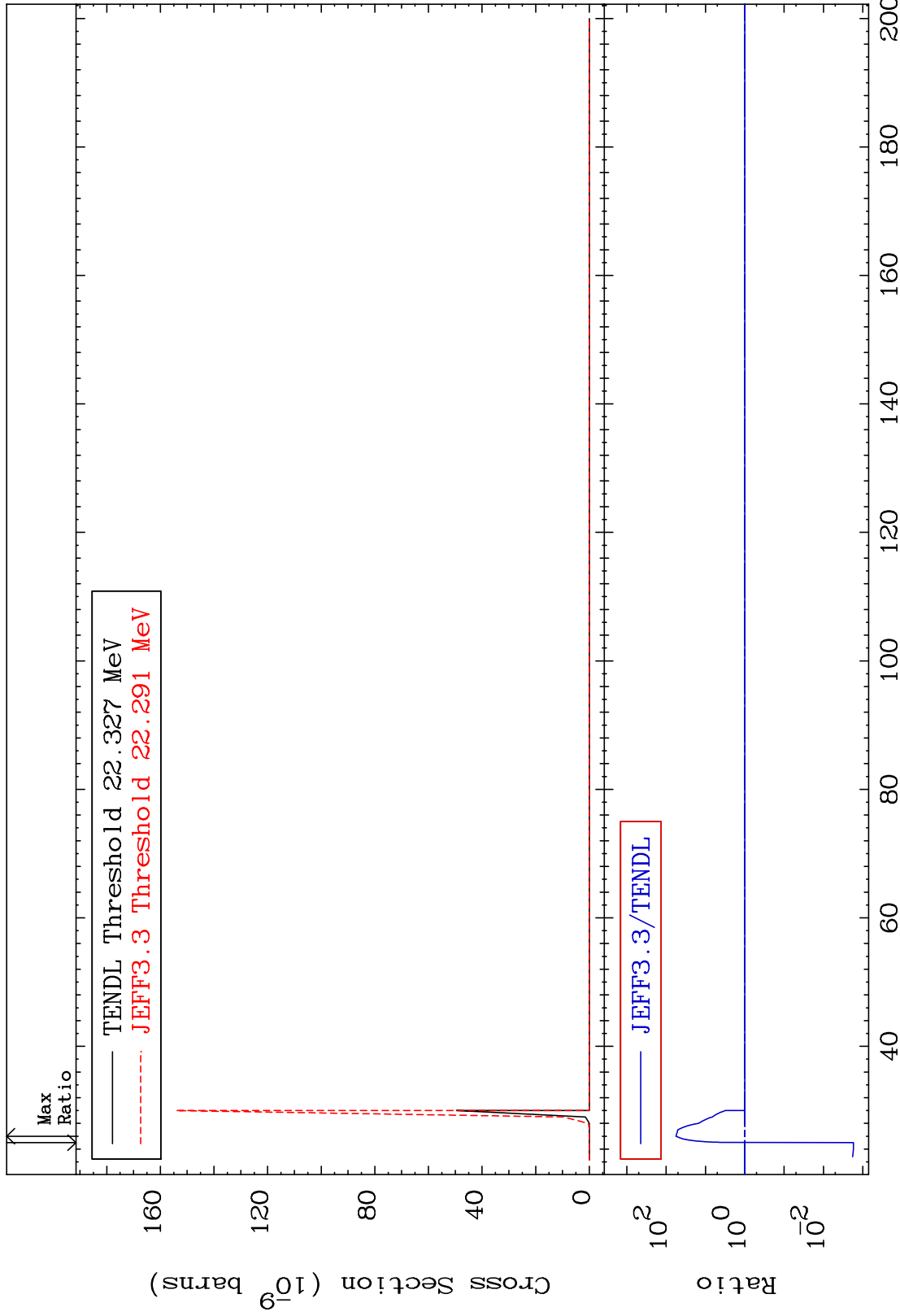
MAT 3843

(n,3n) α

38-Sr-90

Cross Section

-99.83 To 5475. %



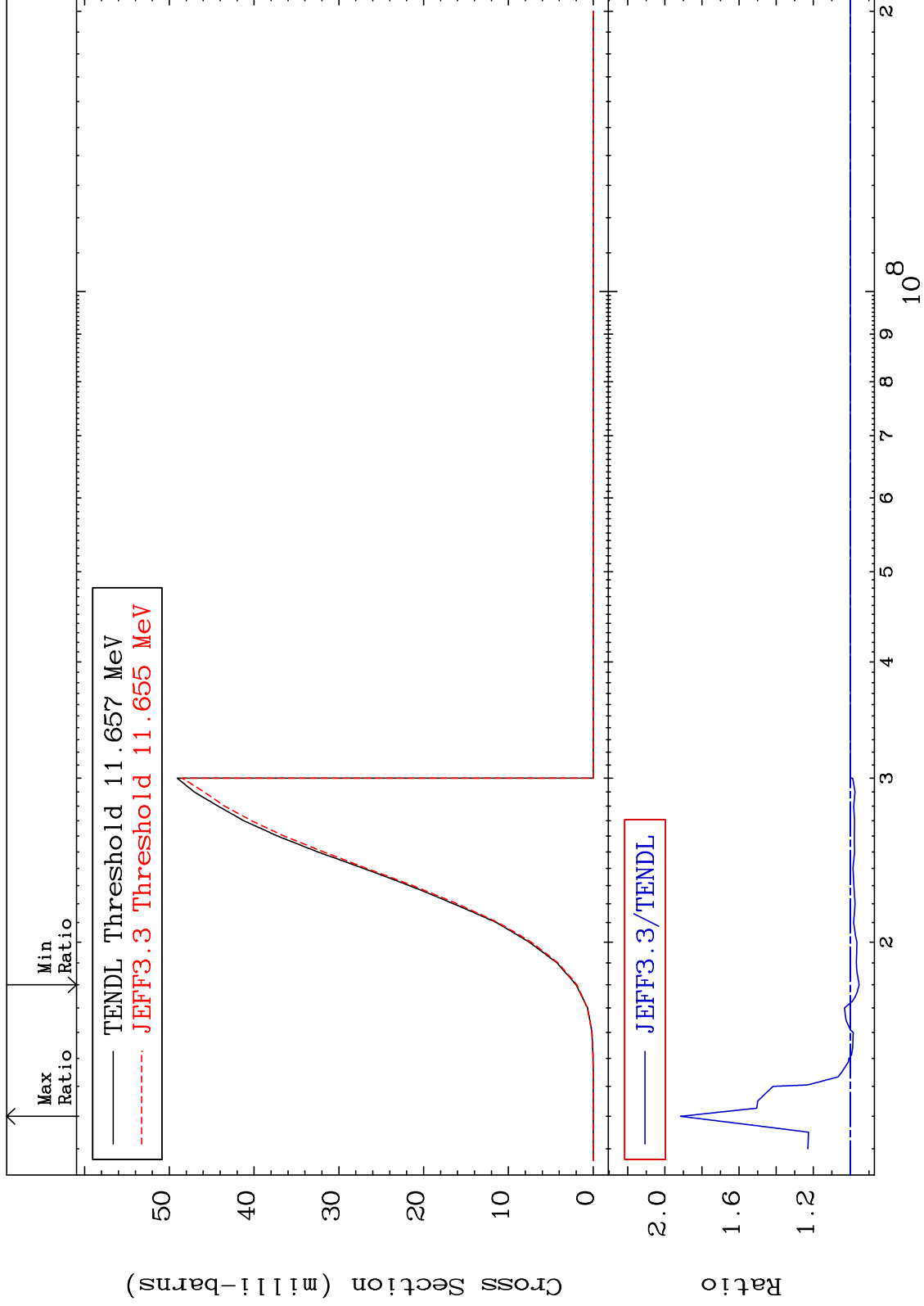
MAT 3843

(n,n') p

38-Sr-90

Cross Section

-4.691 To 91.52 %



10

Incident Energy (eV)

38-Sr-90

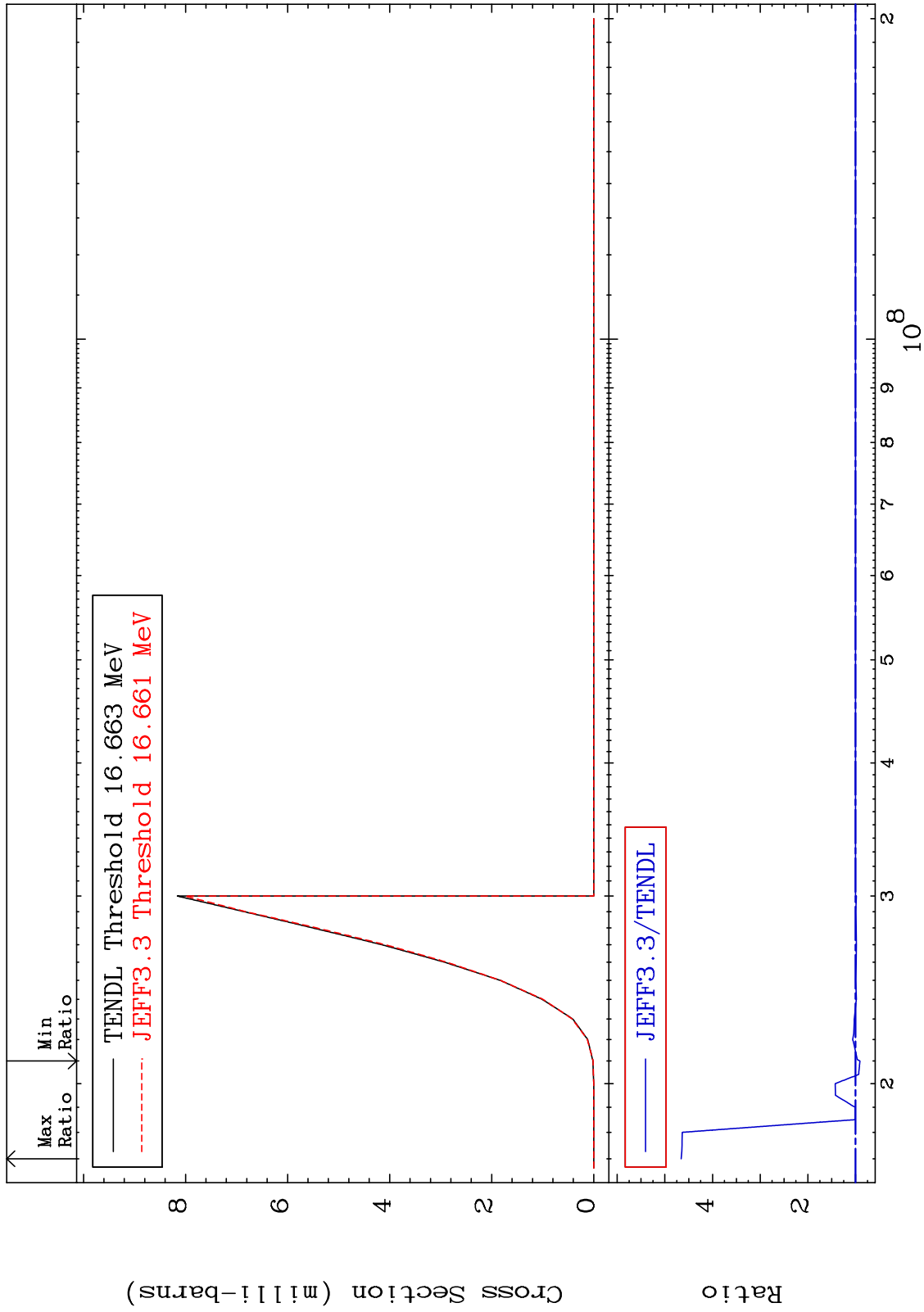
MAT 3843

(n, n') d

38-Sr-90

Cross Section

-9.197 To 365.7 %



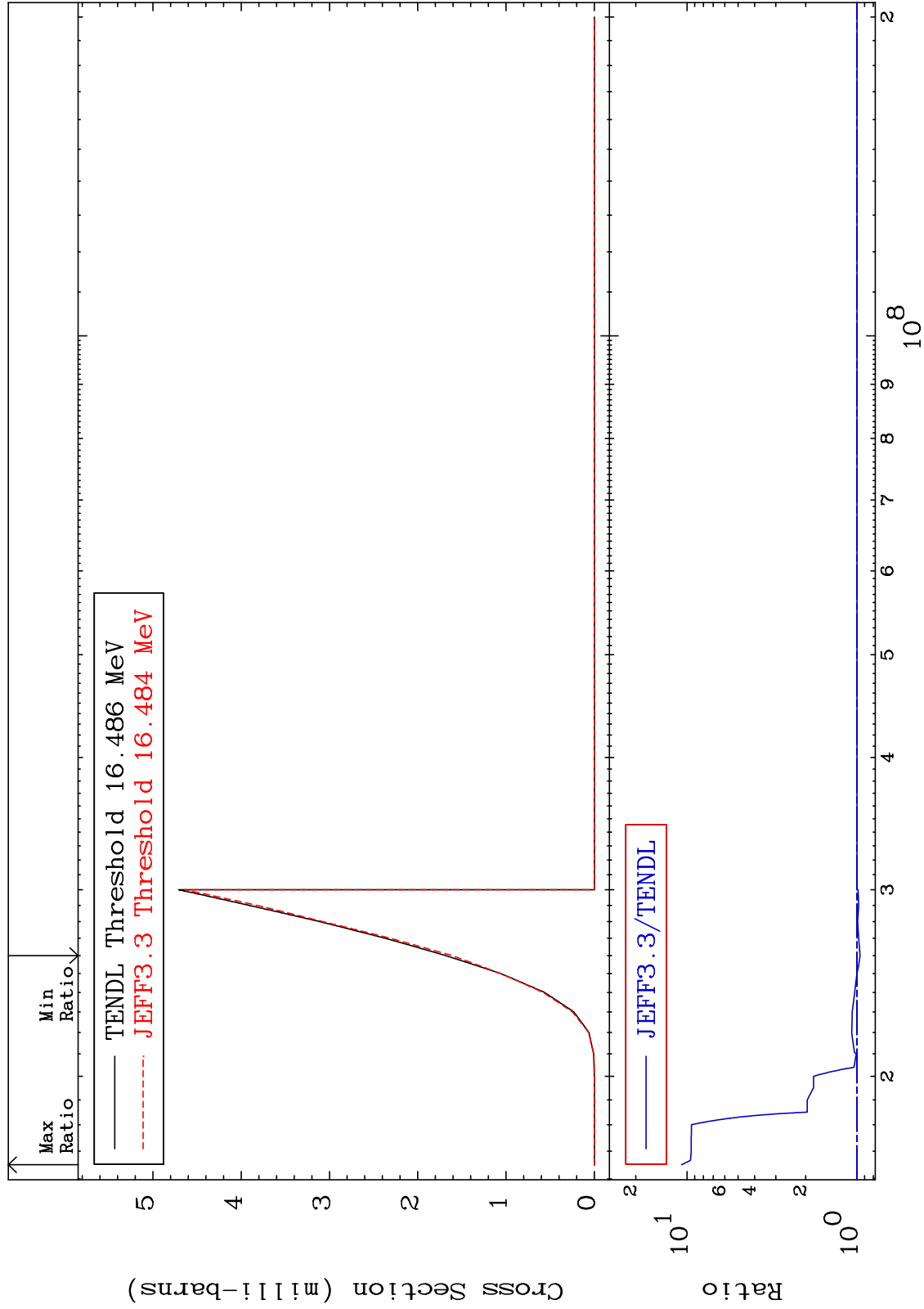
MAT 3843

(n,n') t

38-Sr-90

Cross Section

-4.229 To 974.8 %



12

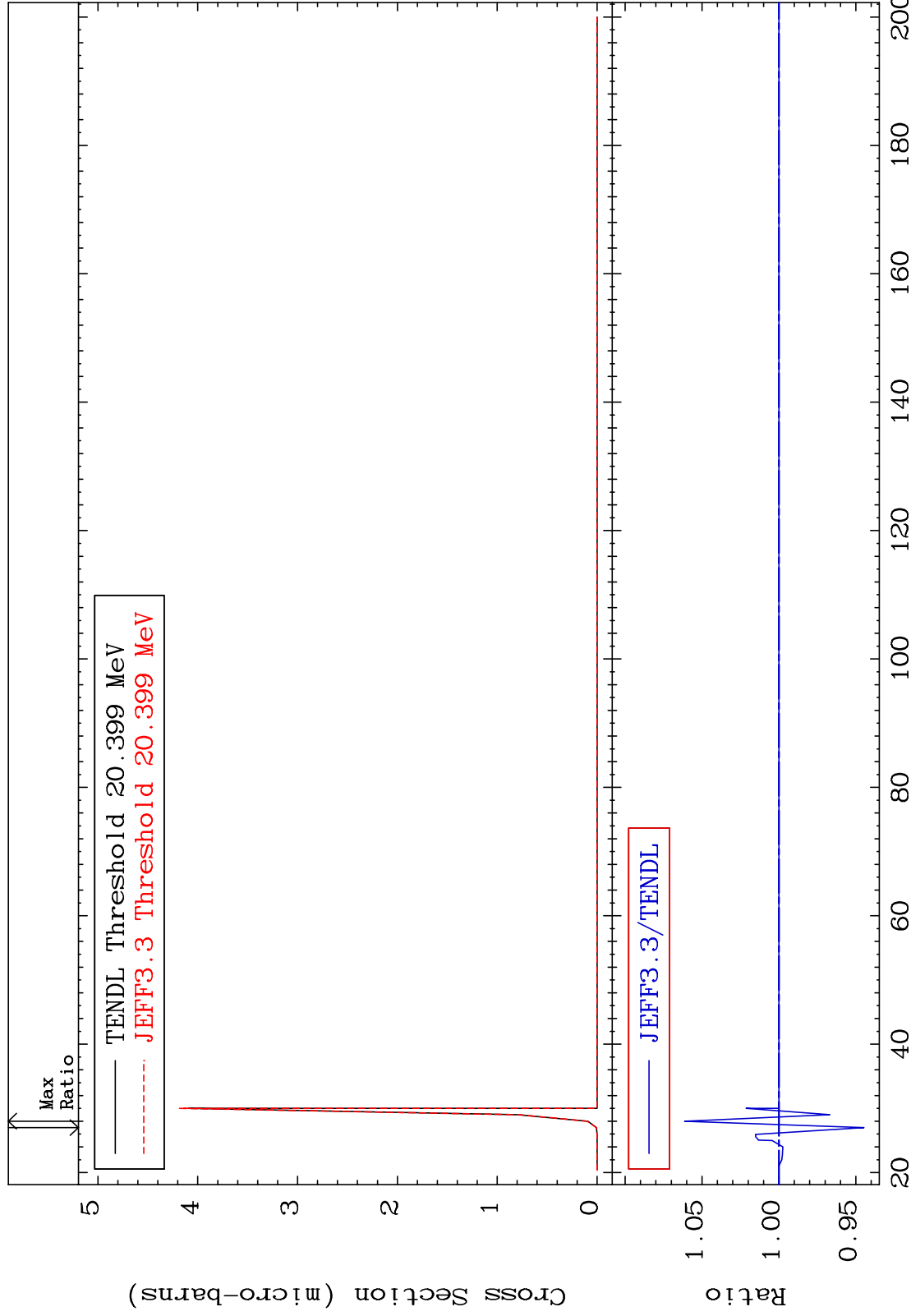
Incident Energy (eV)

38-Sr-90

MAT 3843

(n, n') He-3
Cross Section

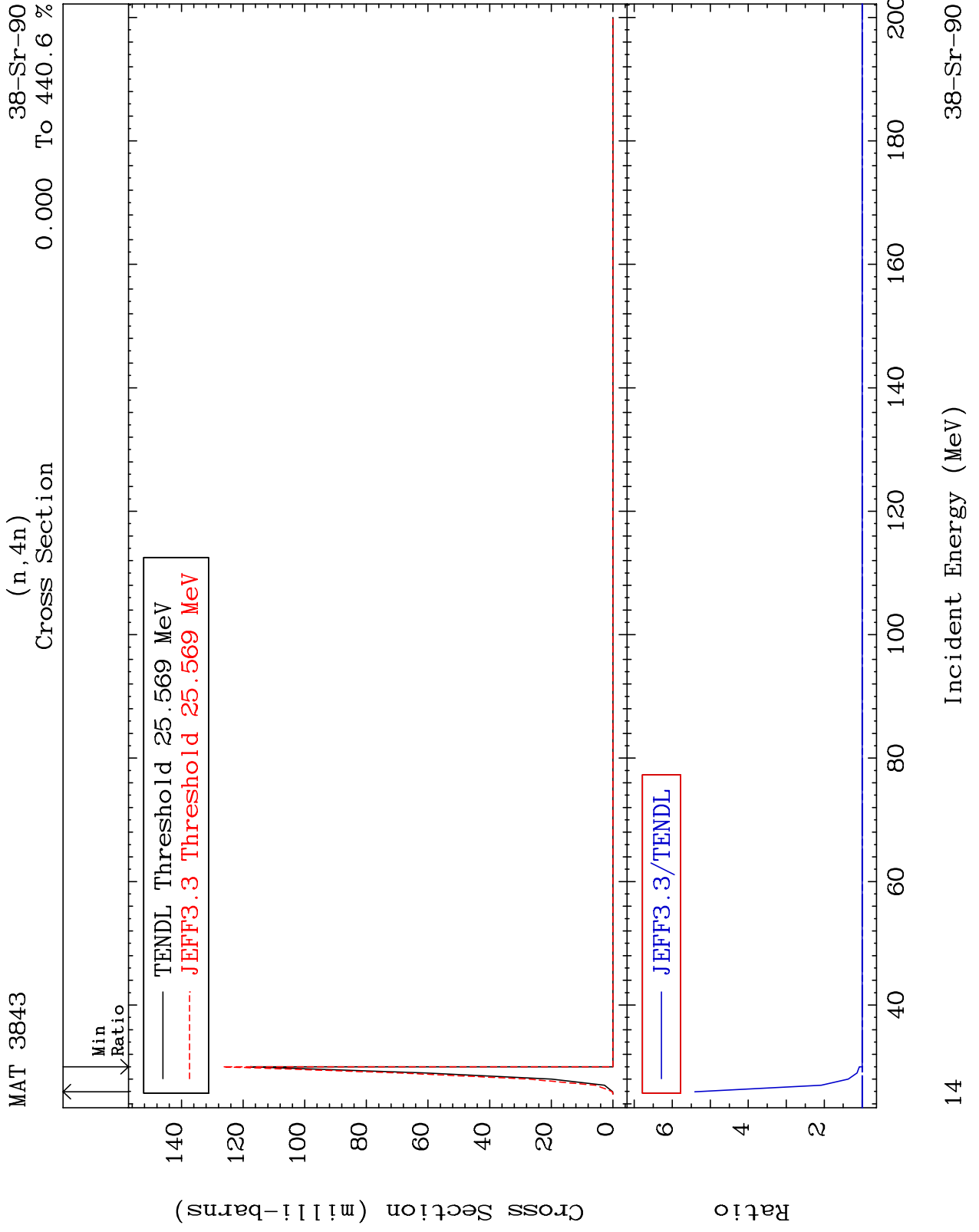
38-Sr-90
-5.531 To 6.121 %



38-Sr-90

Incident Energy (MeV)

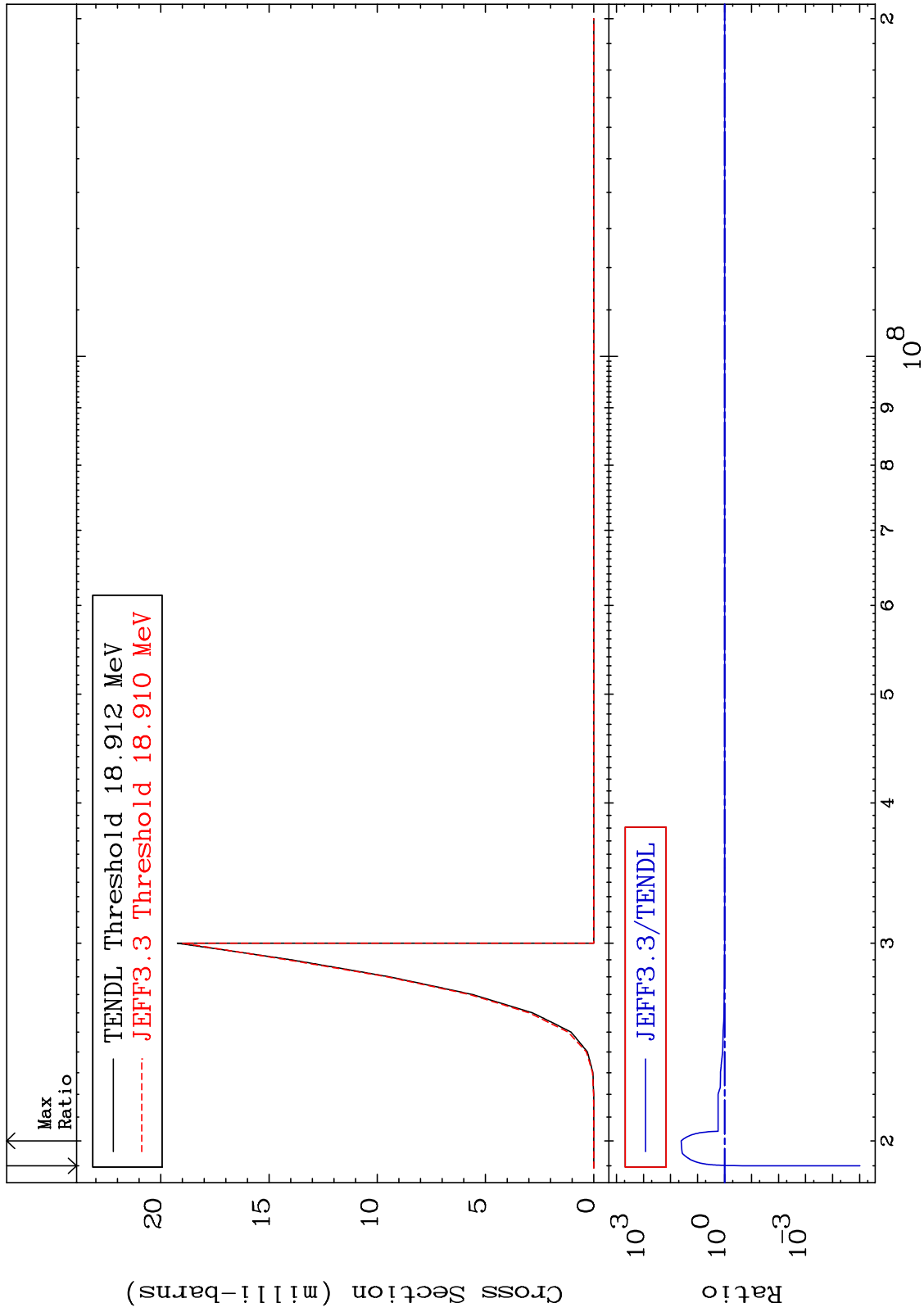
13



MAT 3843

(n,2n) p
Cross Section

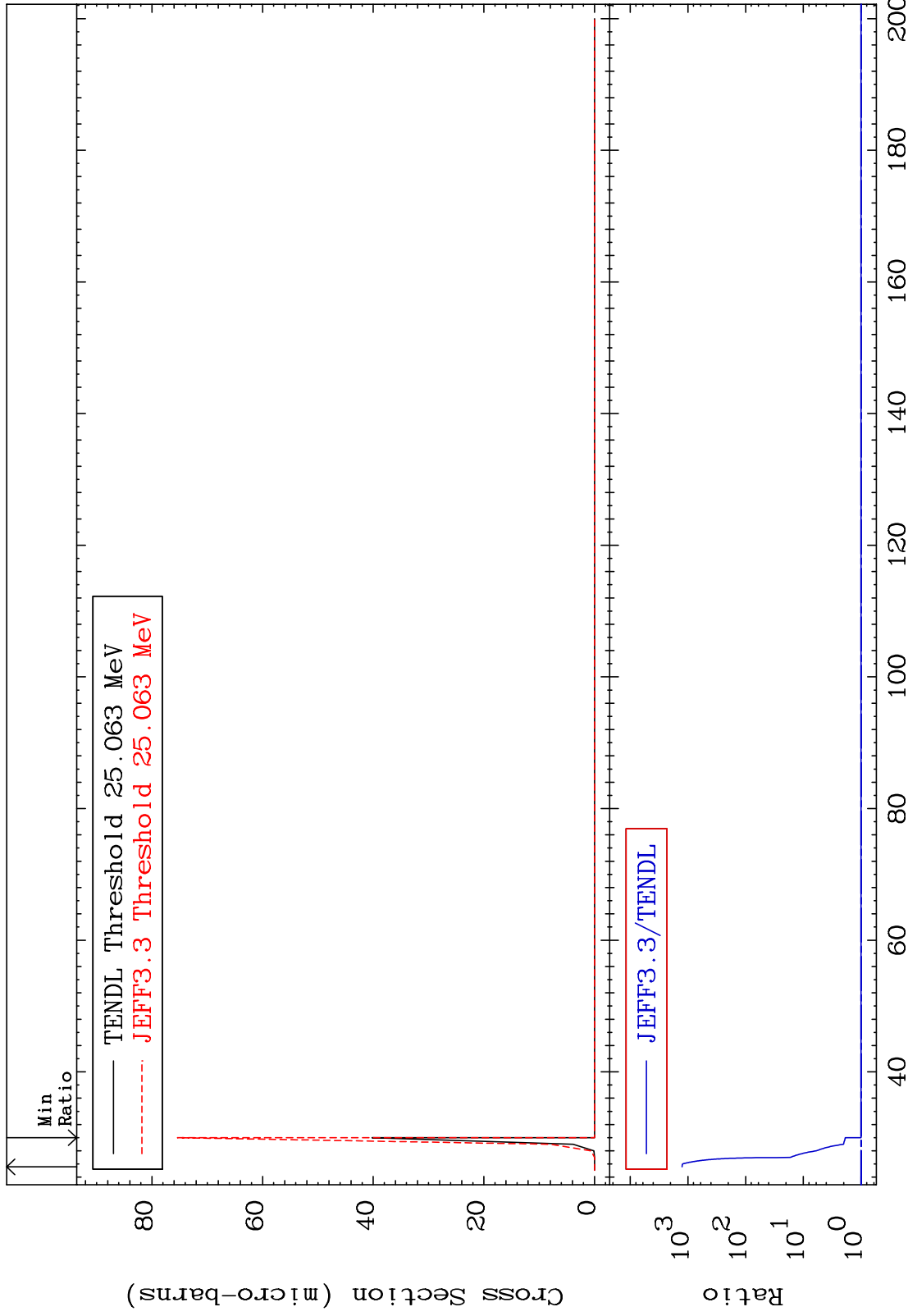
38-Sr-90
-100.0 To 3916. %



MAT 3843

(n,3n) p
Cross Section

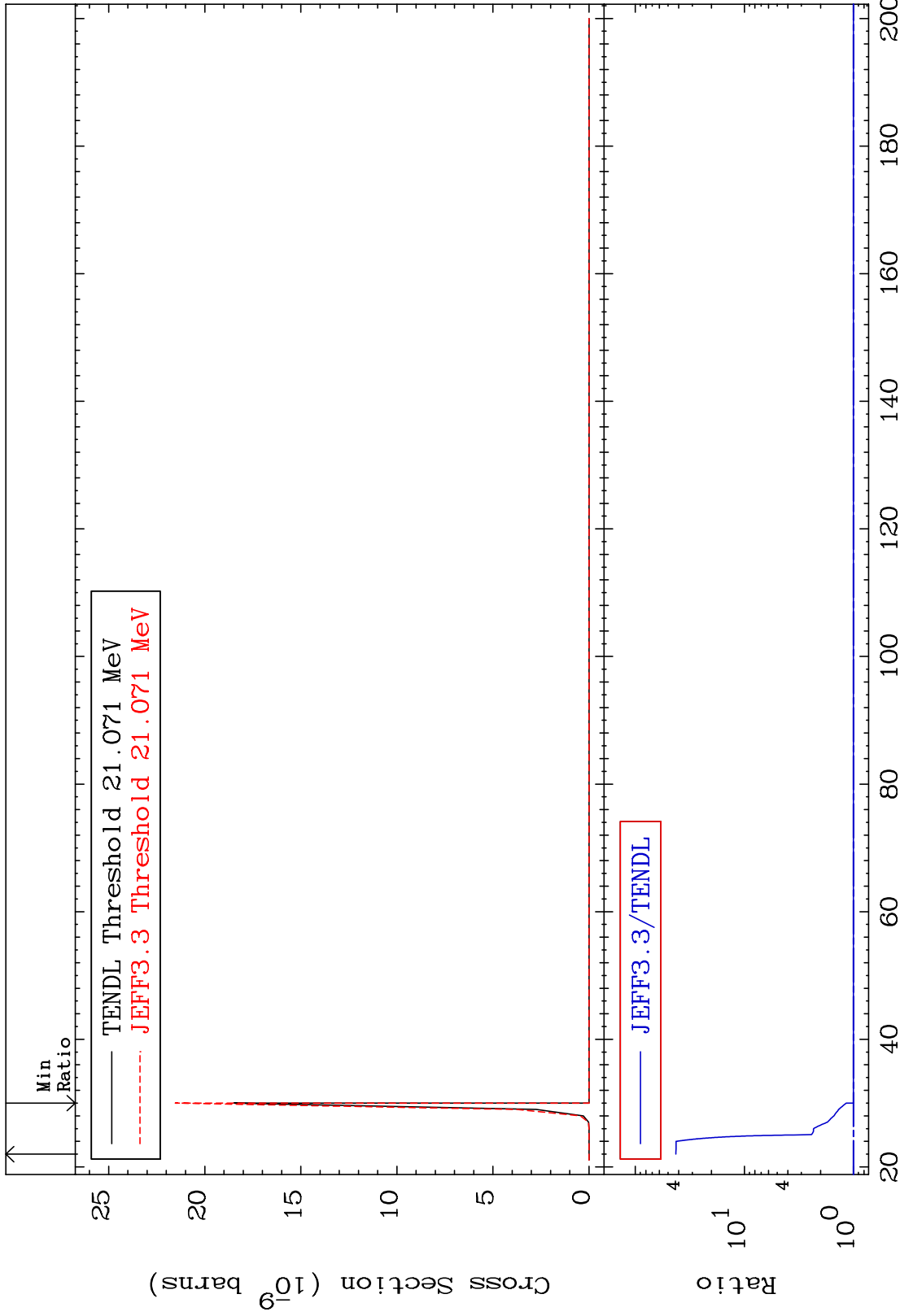
38-Sr-90
0.000 To 9999. %



MAT 3843

(n,2n) p
Cross Section

38-Sr-90
0.000 To 4137. %



17

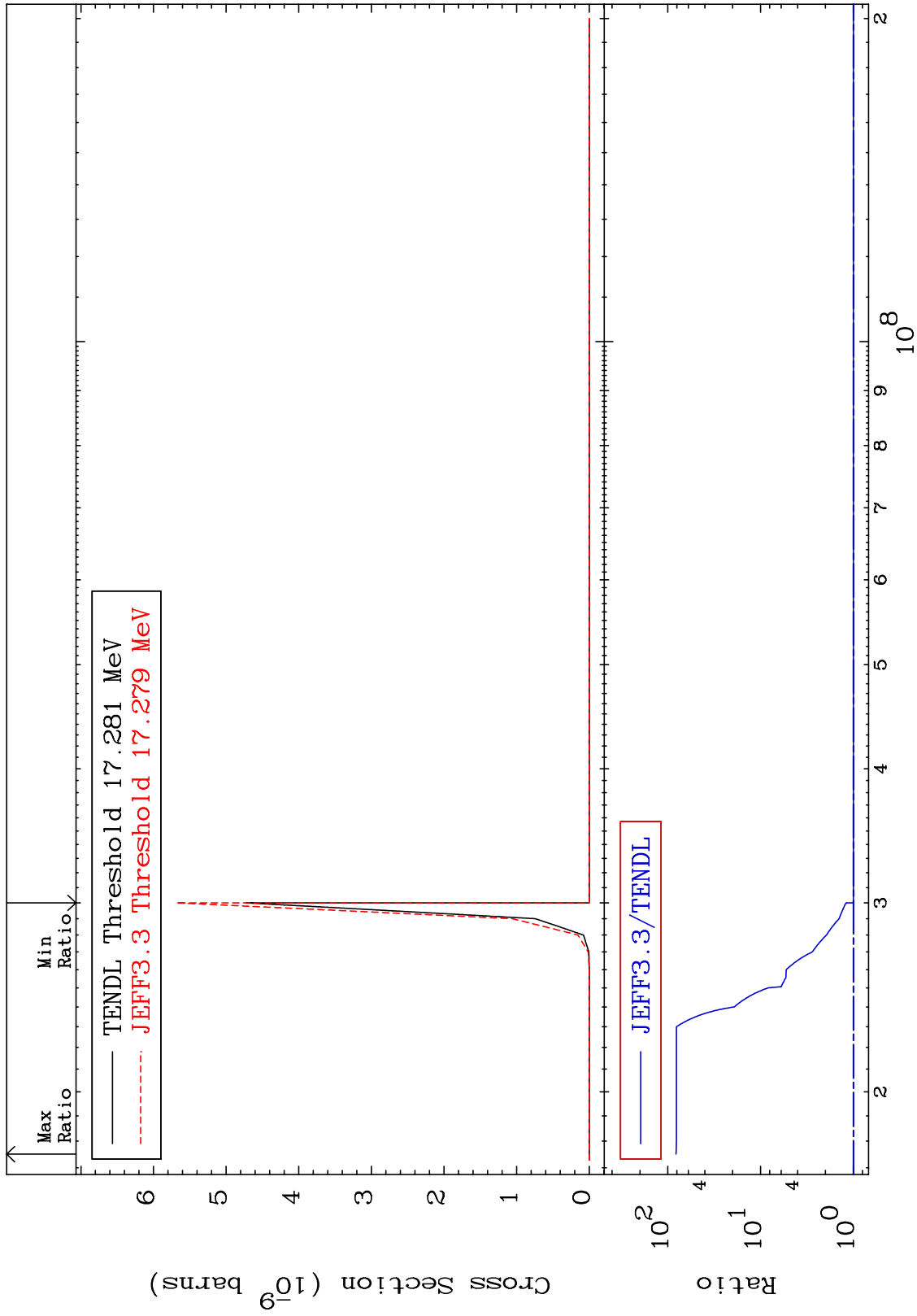
Incident Energy (MeV)

38-Sr-90

MAT 3843

(n,n') p α
Cross Section

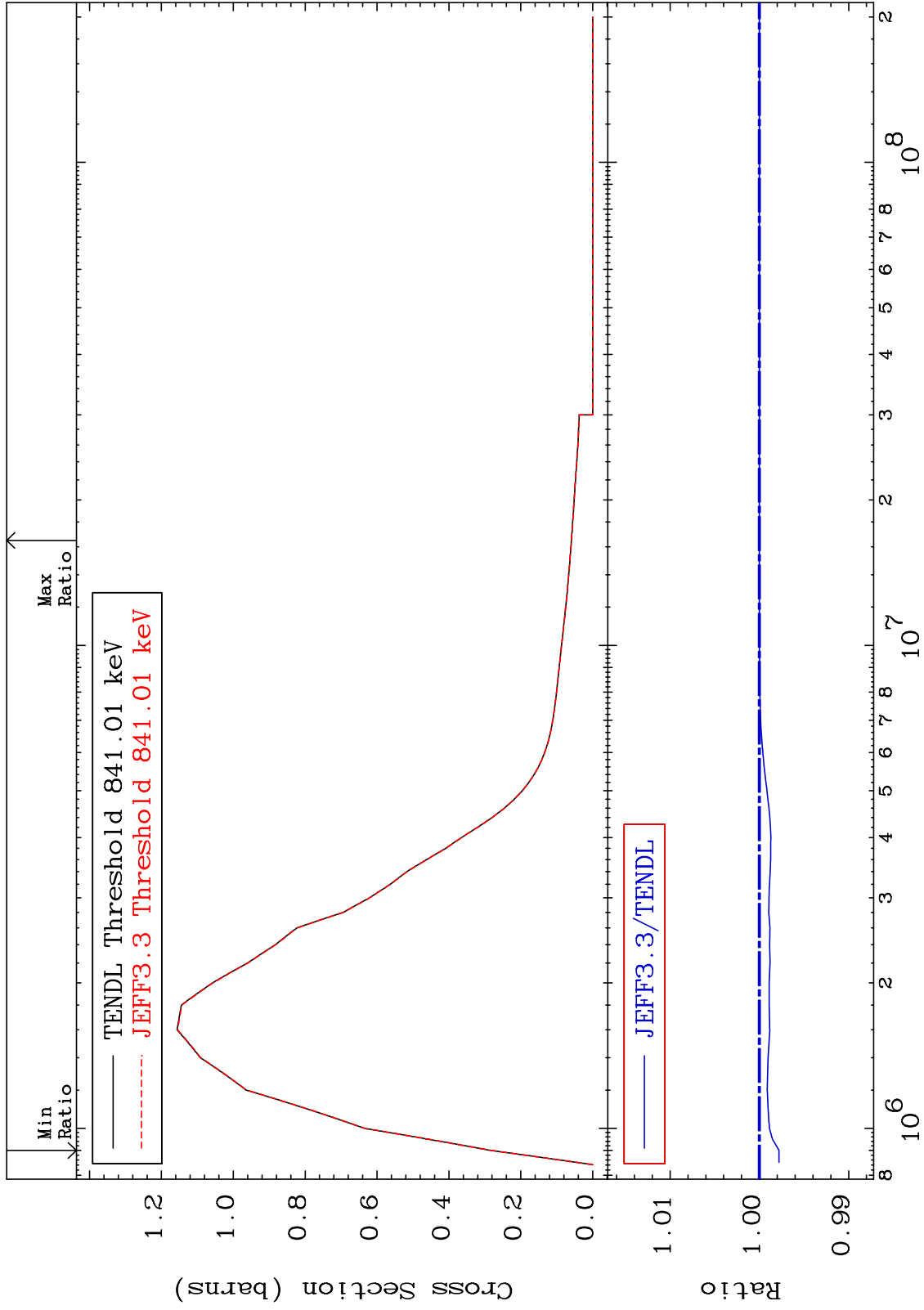
38-Sr-90
0.000 To 8054. %



MAT 3843

MT= 51 (n, n') Level
Cross Section

38-Sr-90
-0.220 To 0.000 %



19

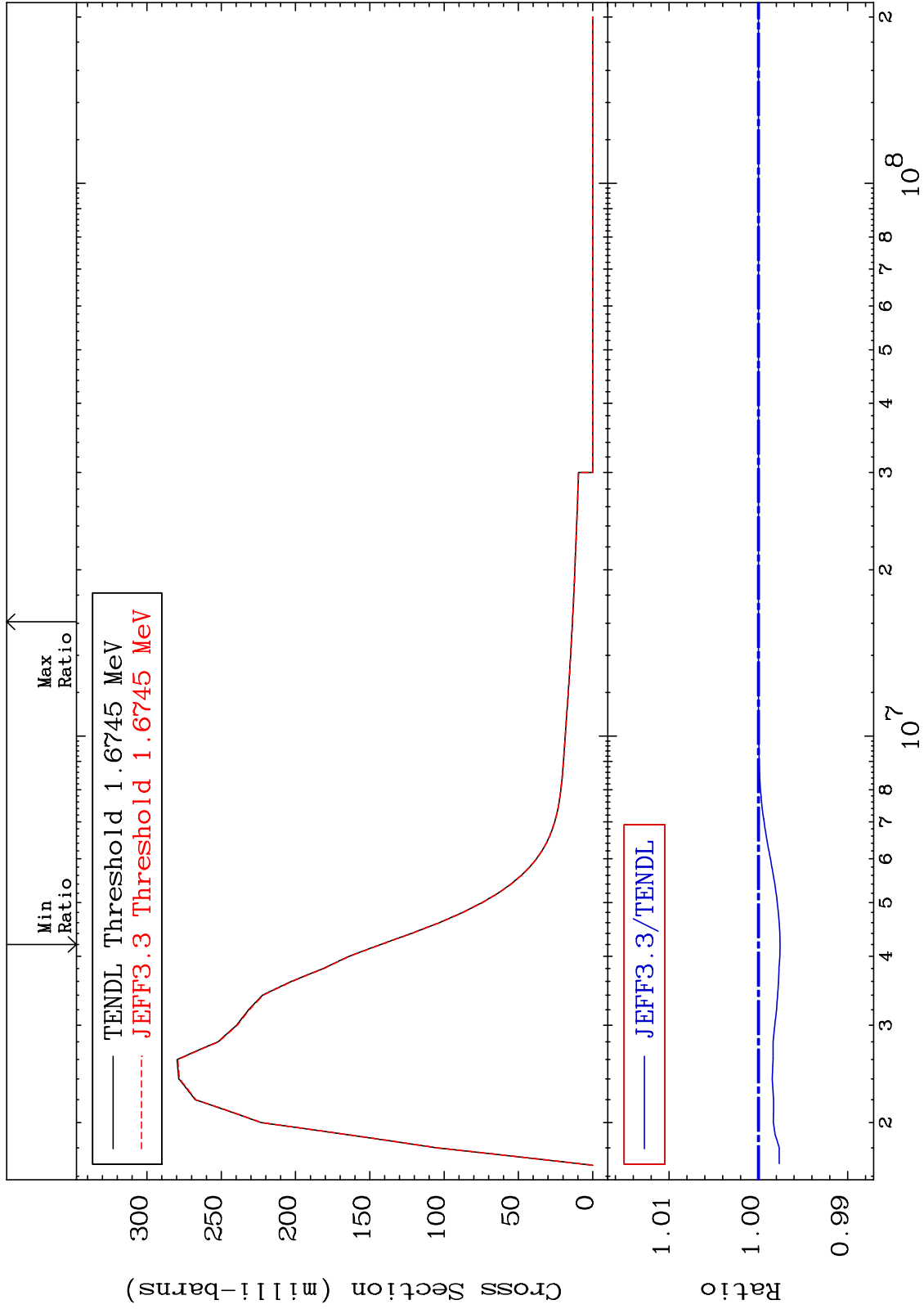
Incident Energy (eV)

38-Sr-90

MAT 3843

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

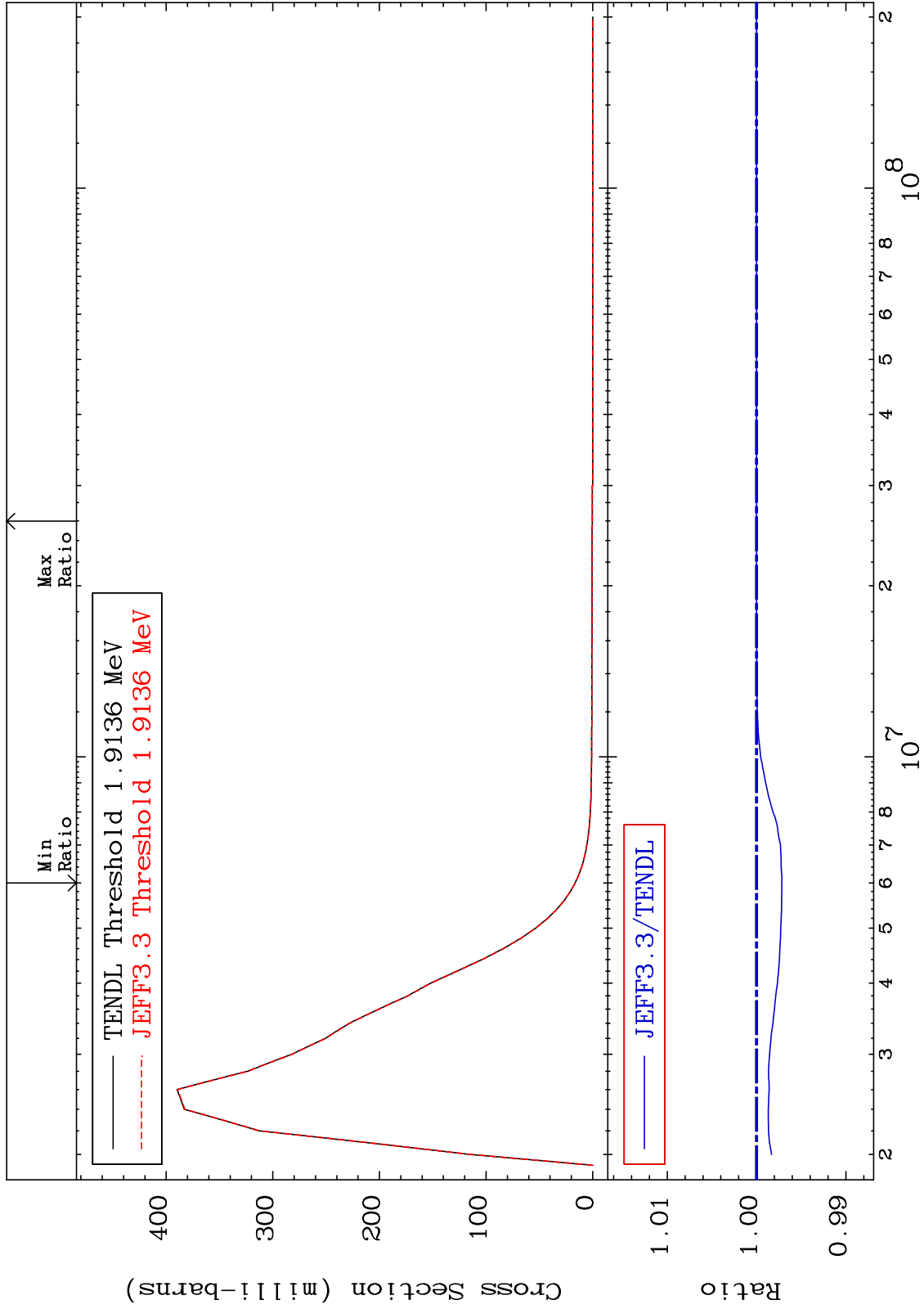
38-Sr-90
-0.243 To 0.000 %

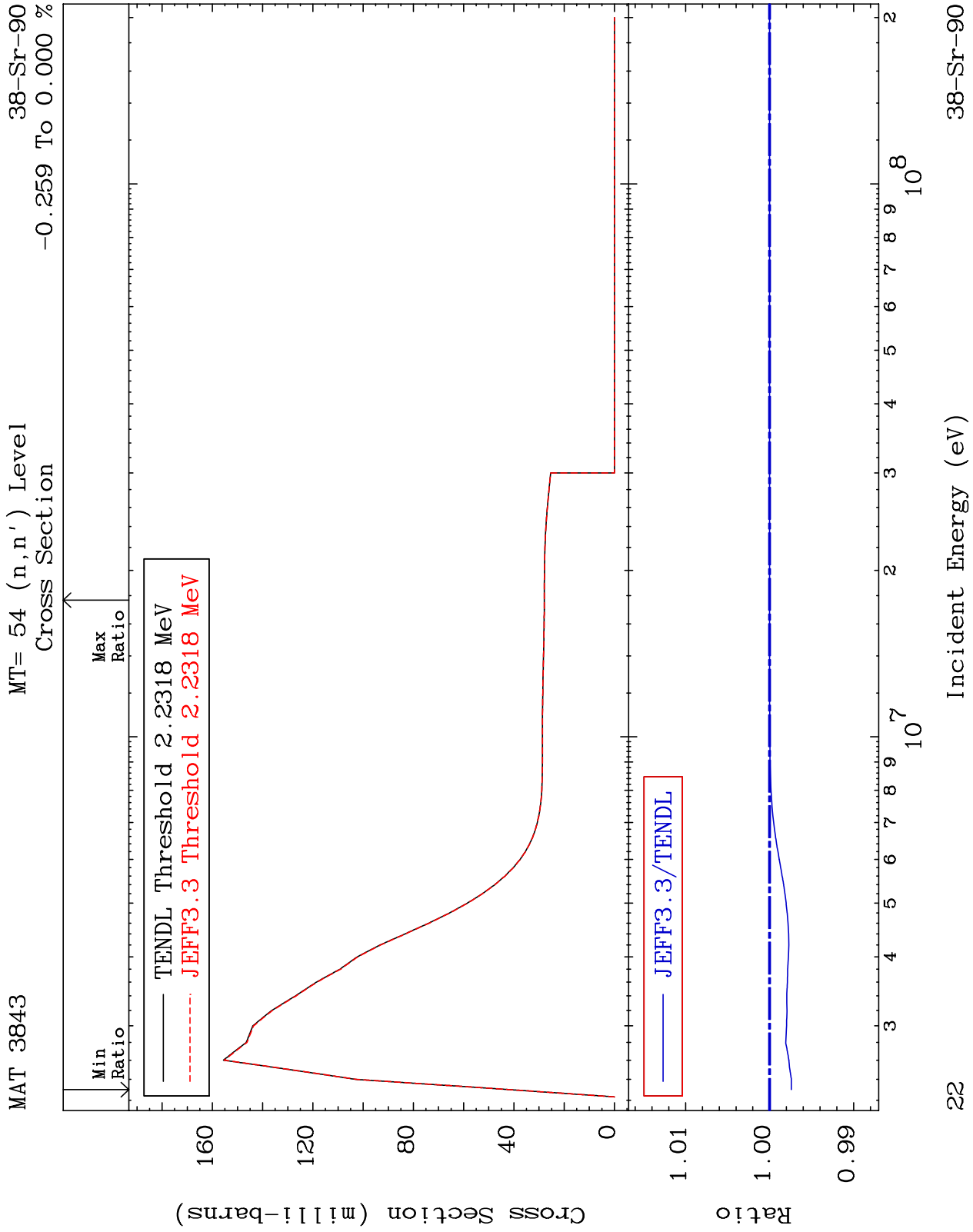


MAT 3843

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

38-Sr-90
-0.283 To 0.000 %

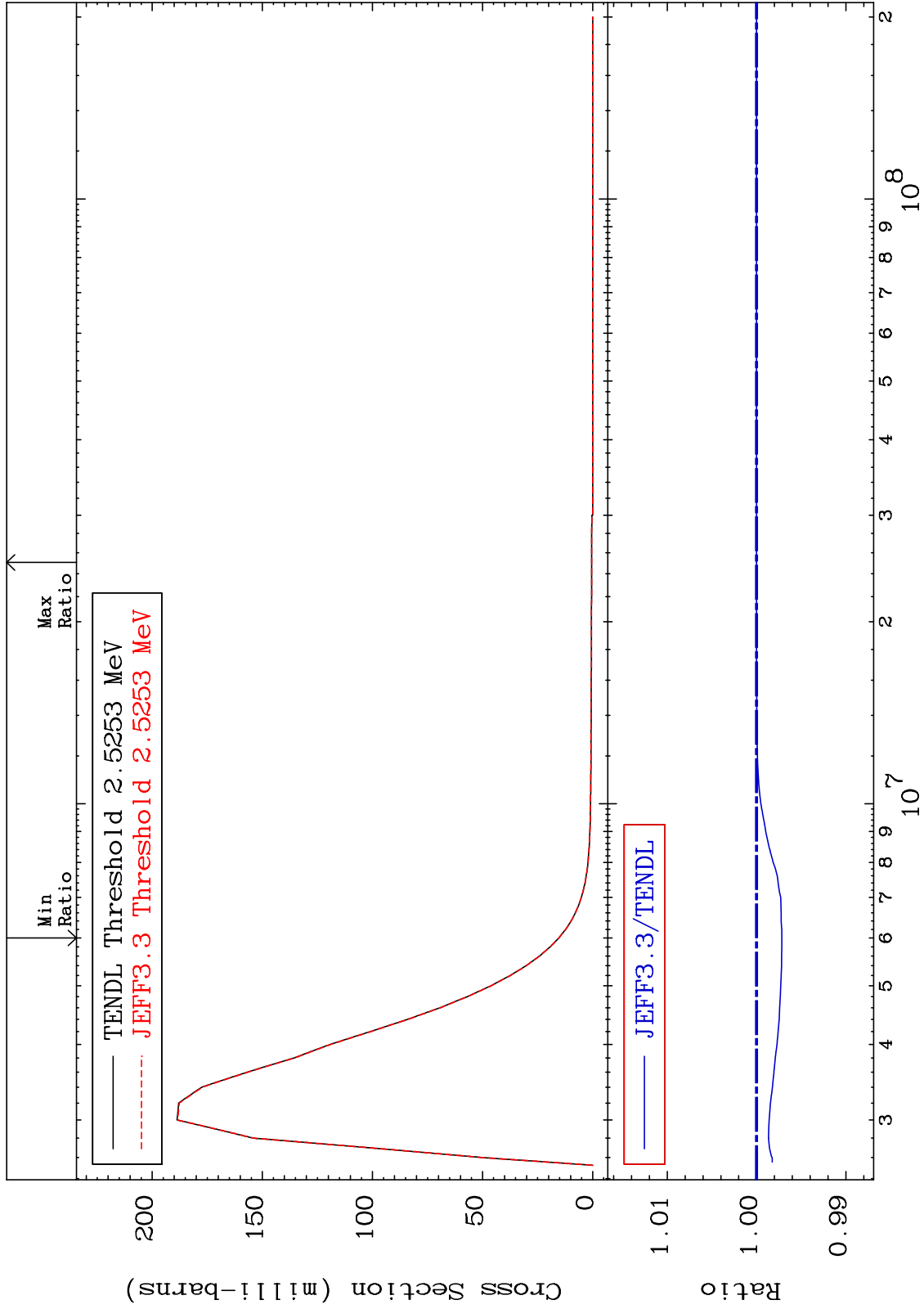




MAT 3843

MT= 55 (n, n') Level
Cross Section

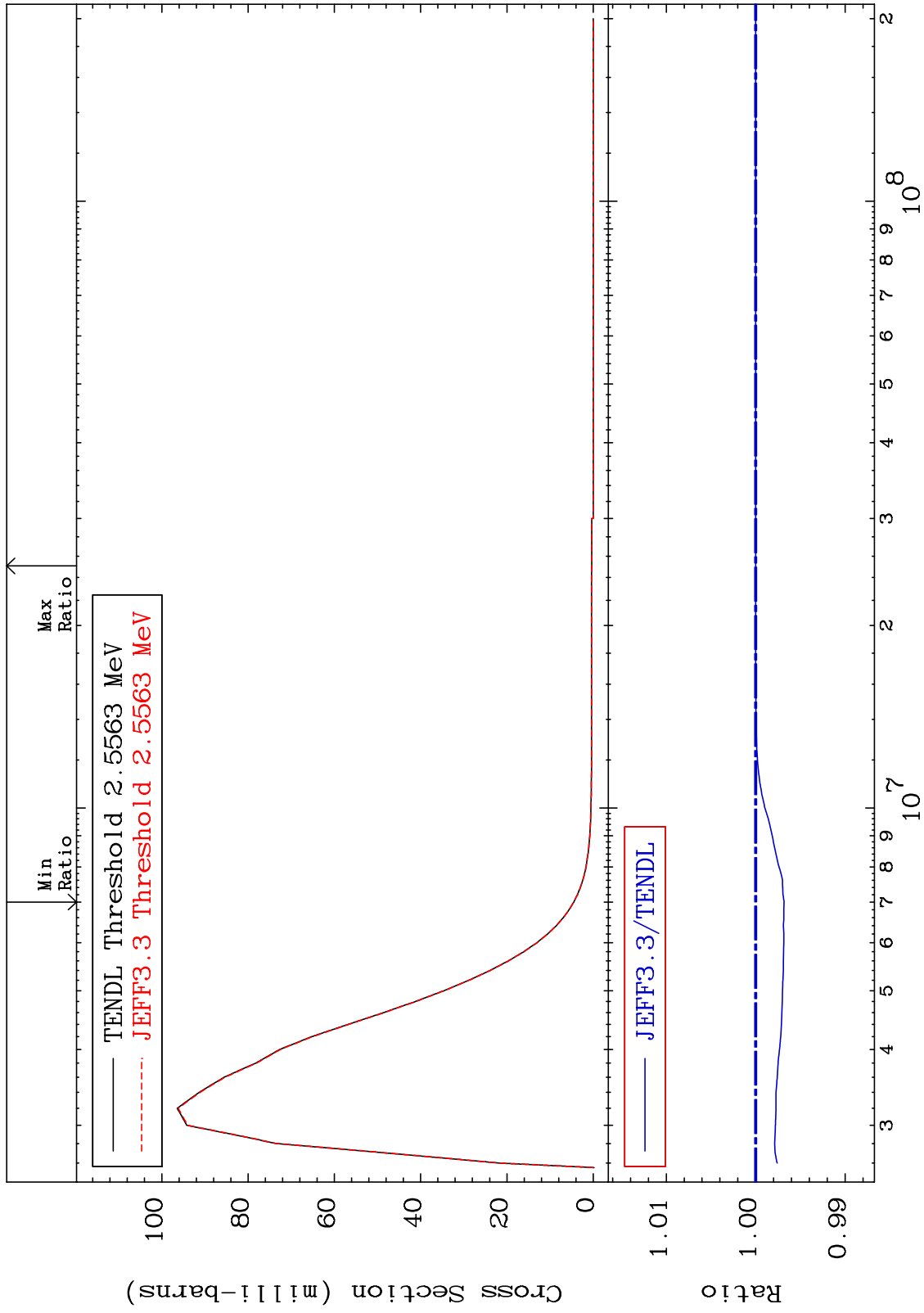
38-Sr-90
-0.283 To 0.000 %



MAT 3843

MT= 56 (n, n') Level
Cross Section

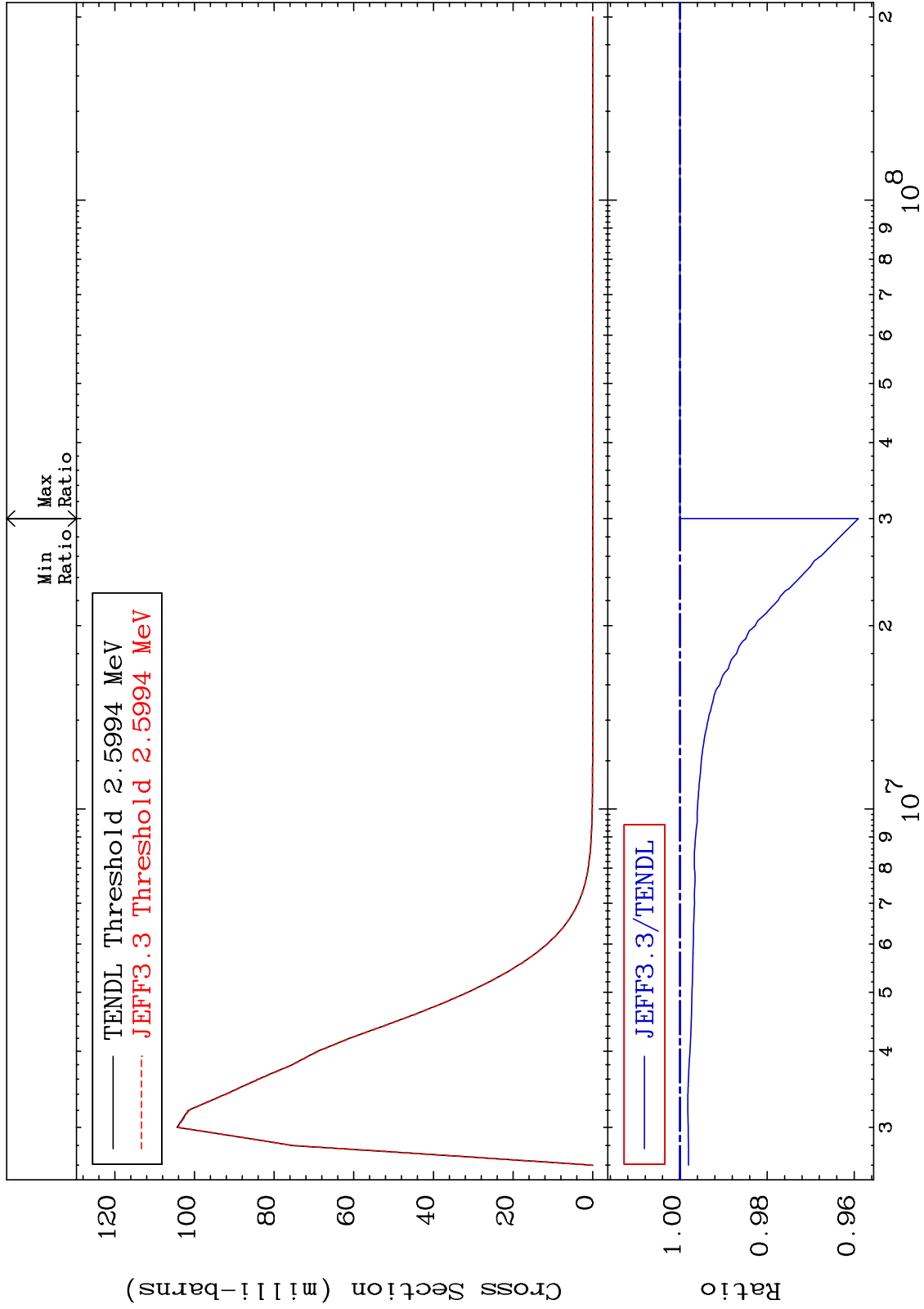
38-Sr-90
-0.318 To 0.000 %



MAT 3843

MT= 57 (n, n') Level
Cross Section

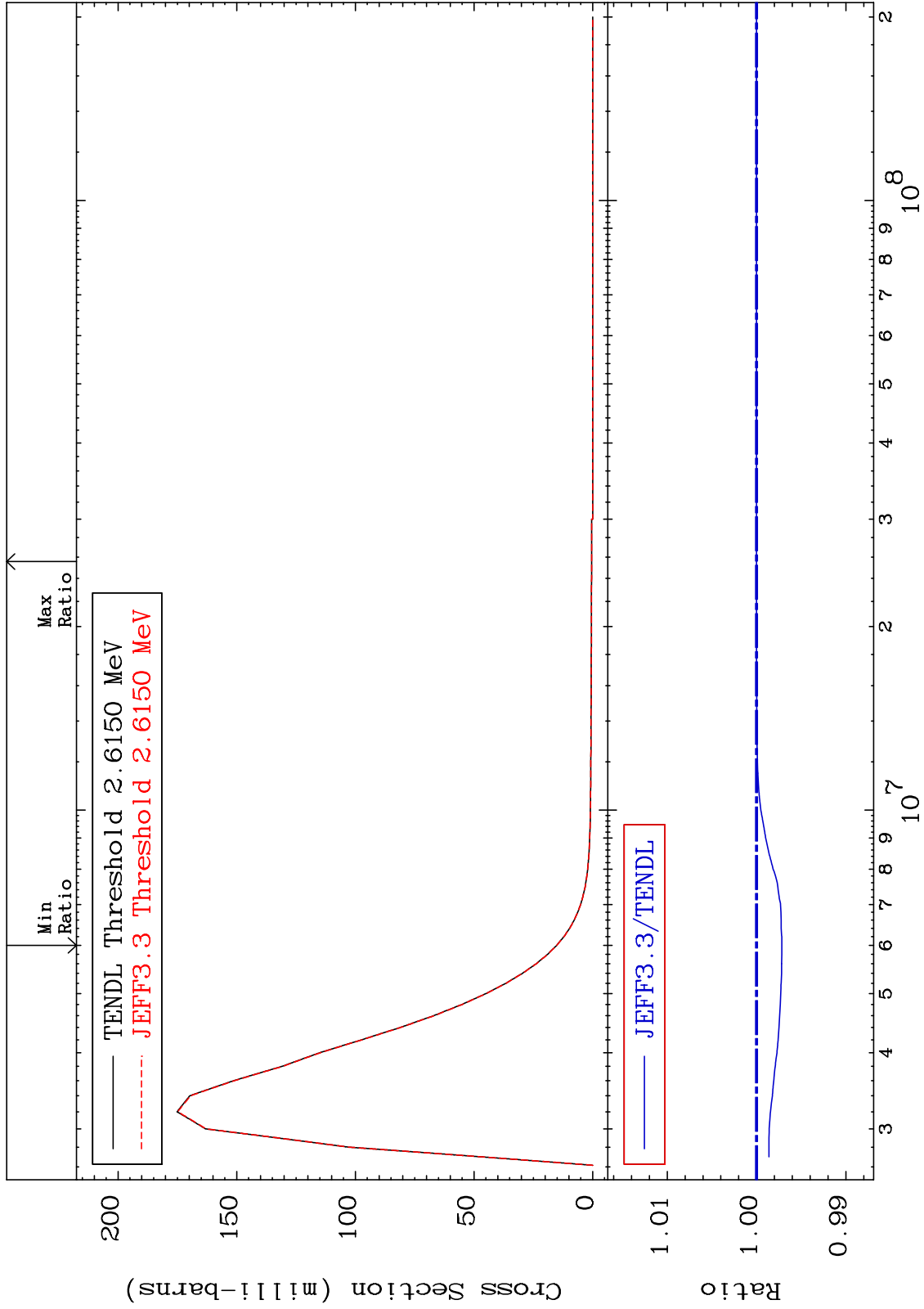
38-Sr-90
-4.095 To 0.000 %



MAT 3843

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

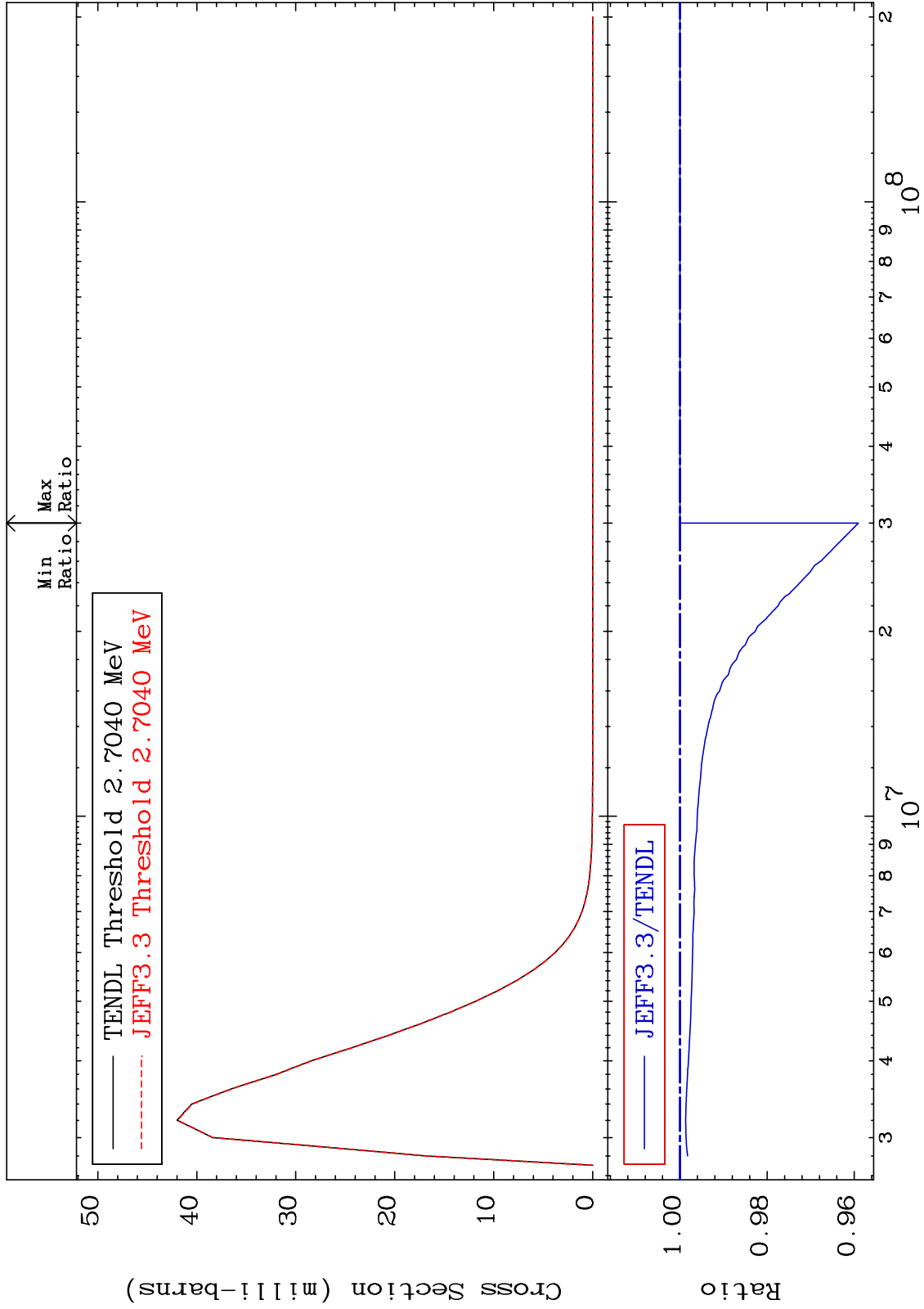
38-Sr-90
-0.283 To 0.000 %



MAT 3843

MT= 59 (n, n') Level
Cross Section

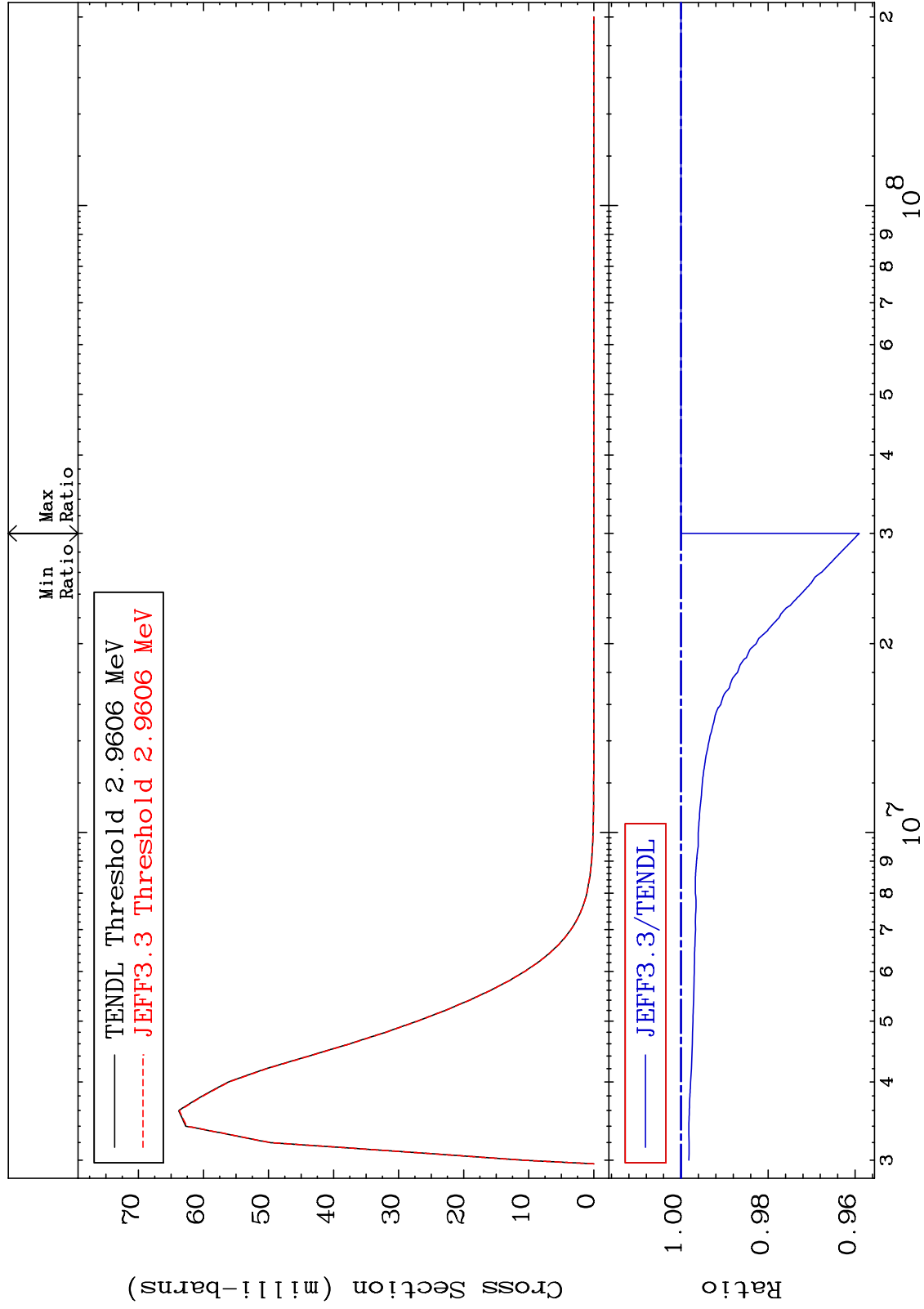
38-Sr-90
-4.095 To 0.000 %



MAT 3843

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

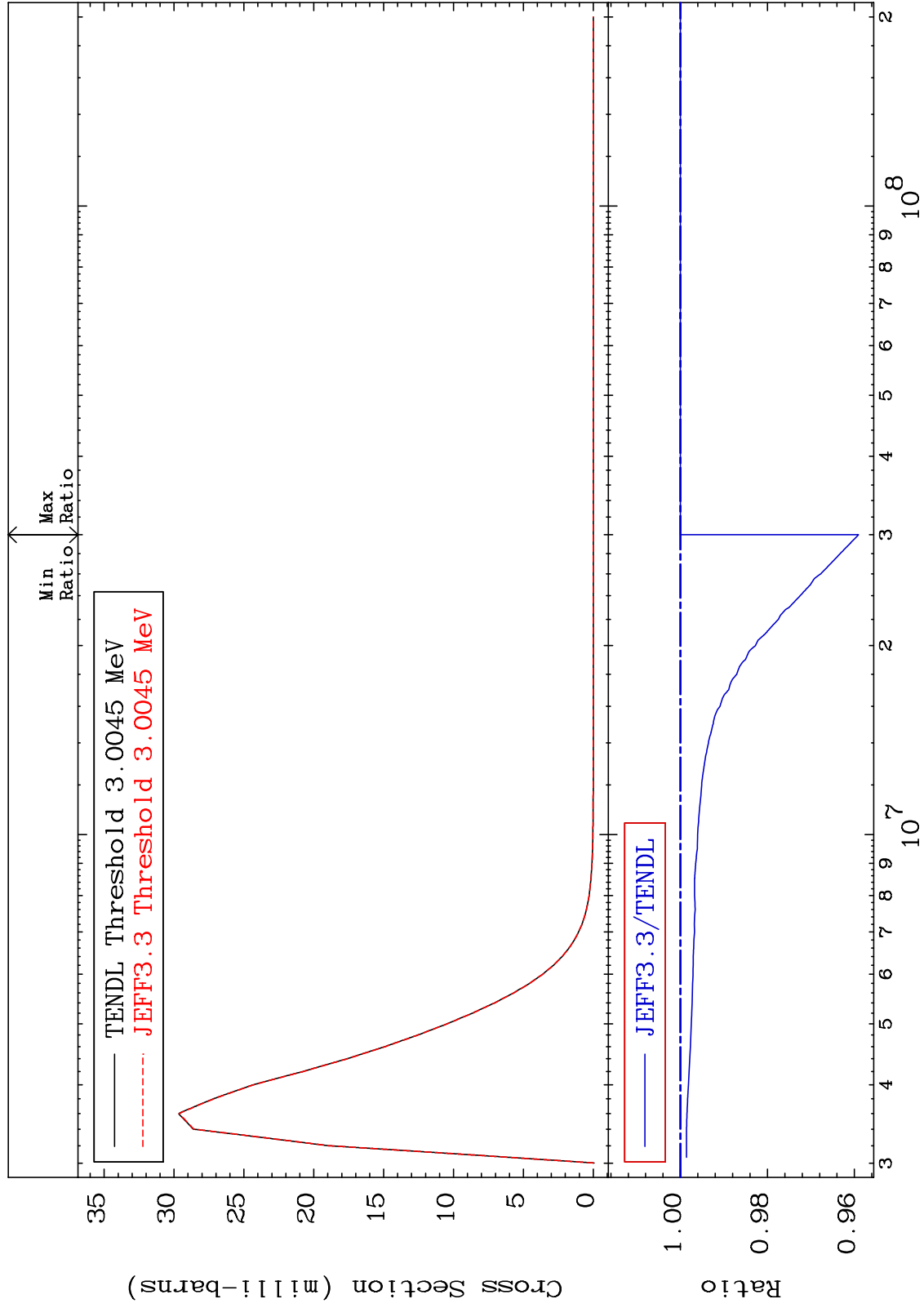
38-Sr-90
-4.095 To 0.000 %



MAT 3843

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

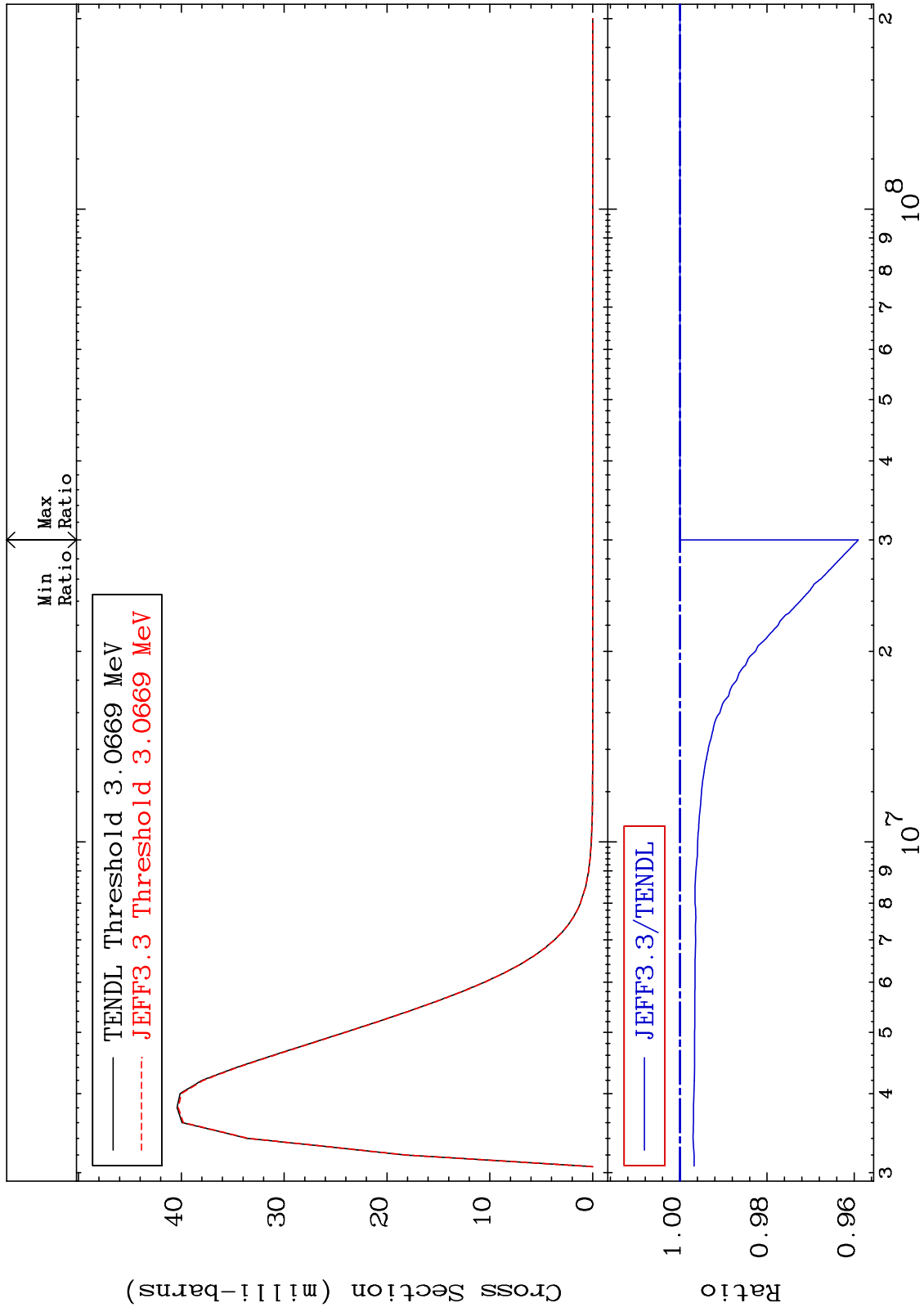
38-Sr-90
-4.094 To 0.000 %



MAT 3843

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

38-Sr-90
-4.099 To 0.000 %



30

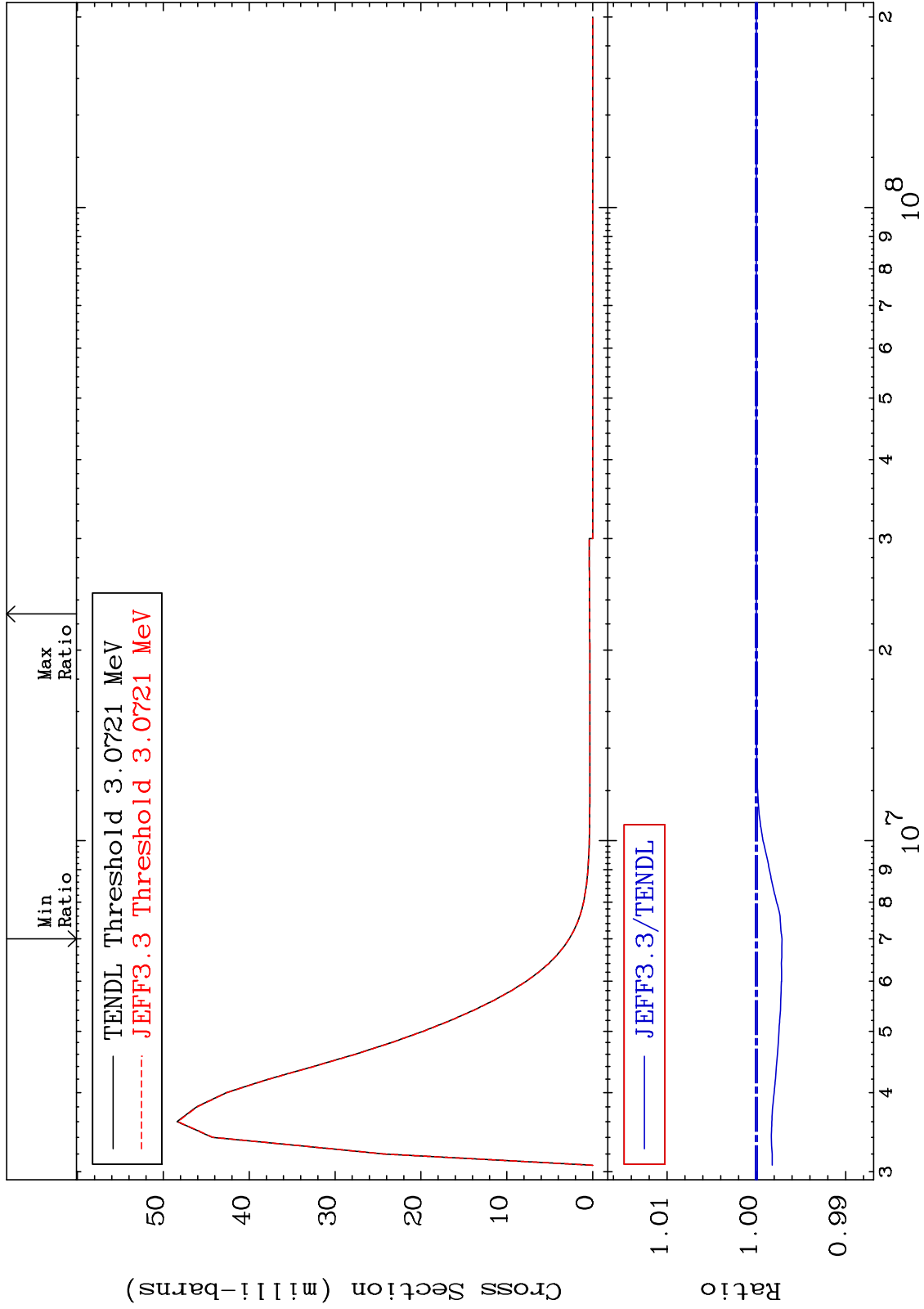
Incident Energy (eV)

38-Sr-90

MAT 3843

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

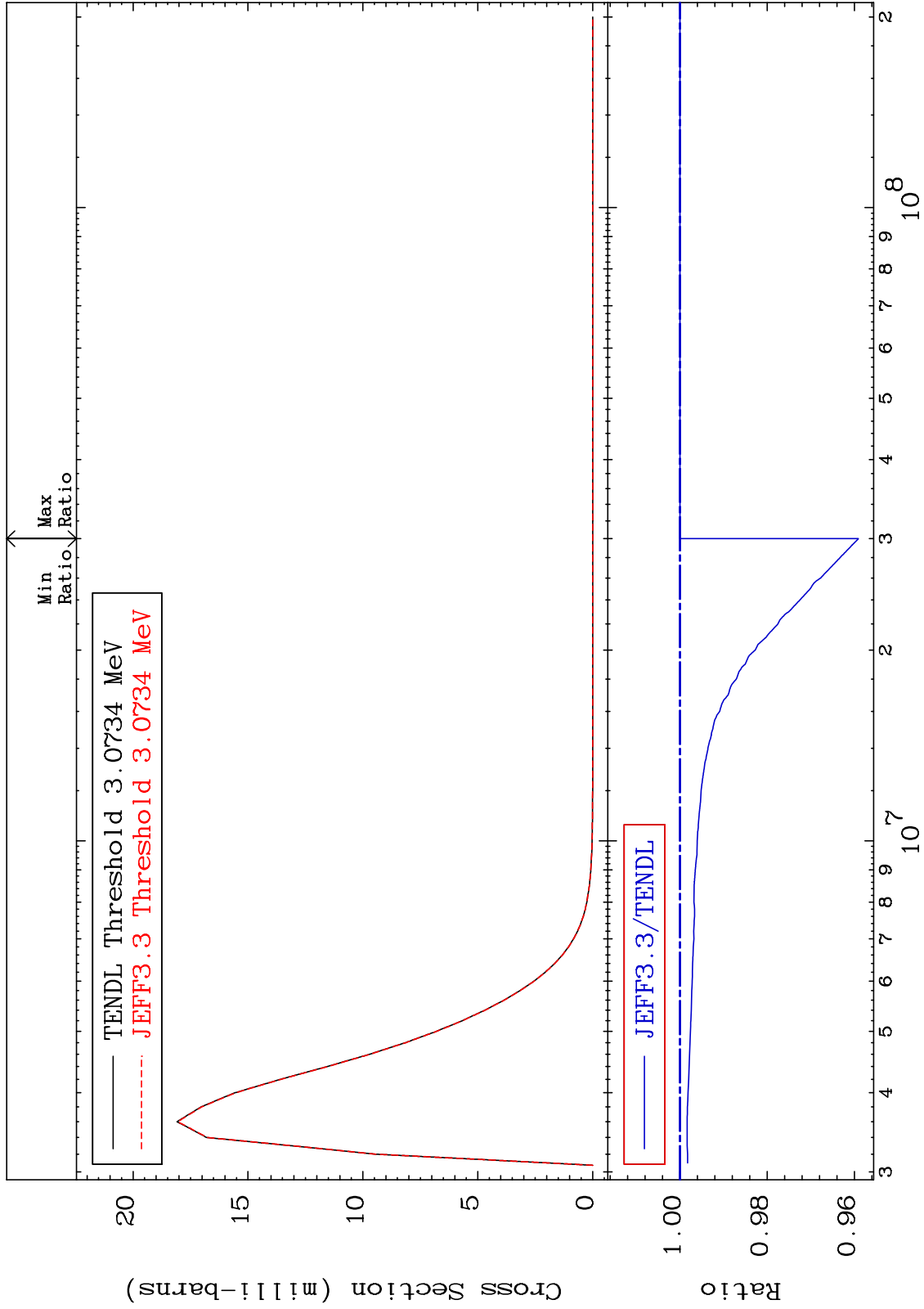
38-Sr-90
-0.287 To 0.000 %



MAT 3843

MT= 64 (n, n') Level
Cross Section

38-Sr-90
-4.091 To 0.000 %



32

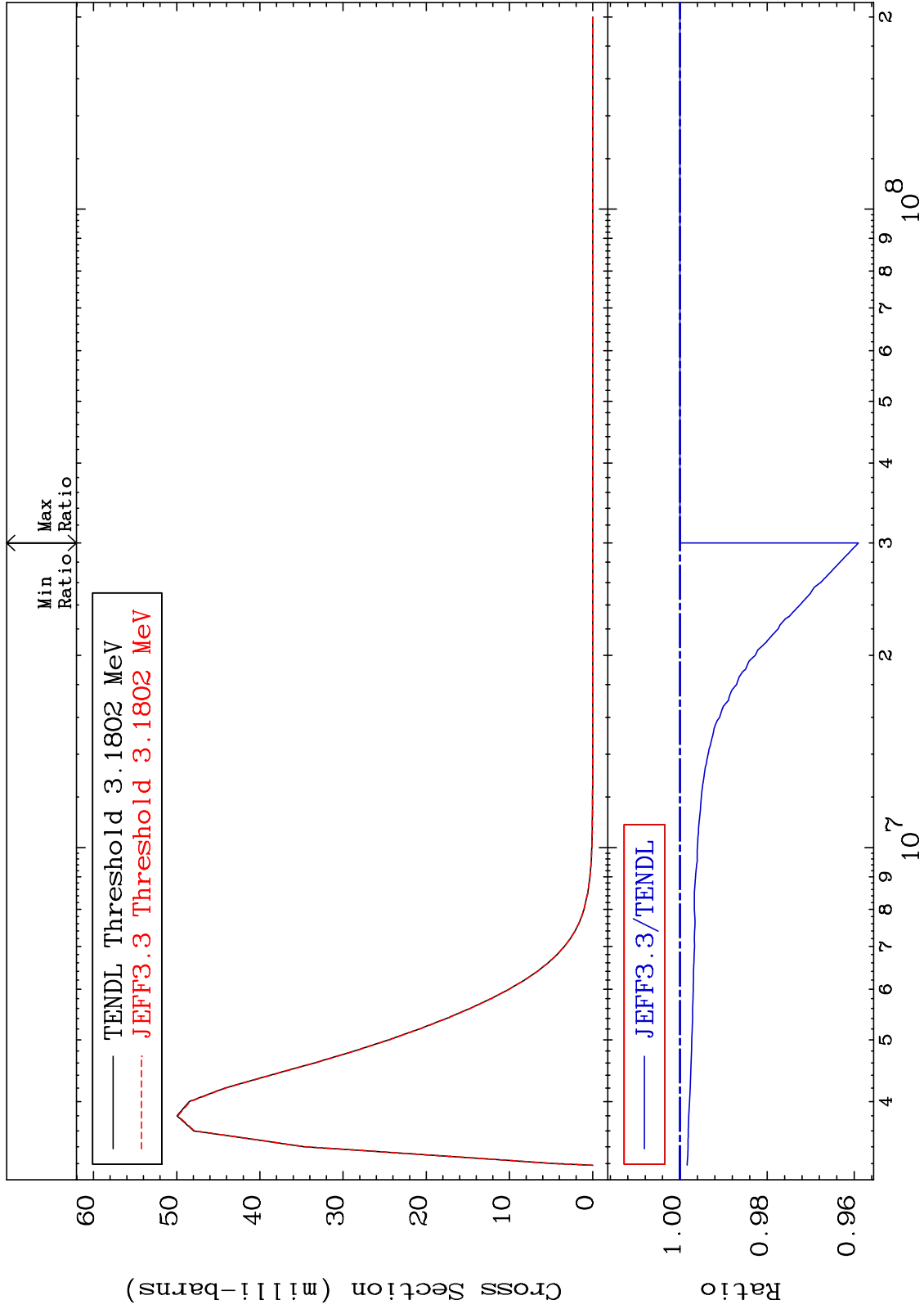
Incident Energy (eV)

38-Sr-90

MAT 3843

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

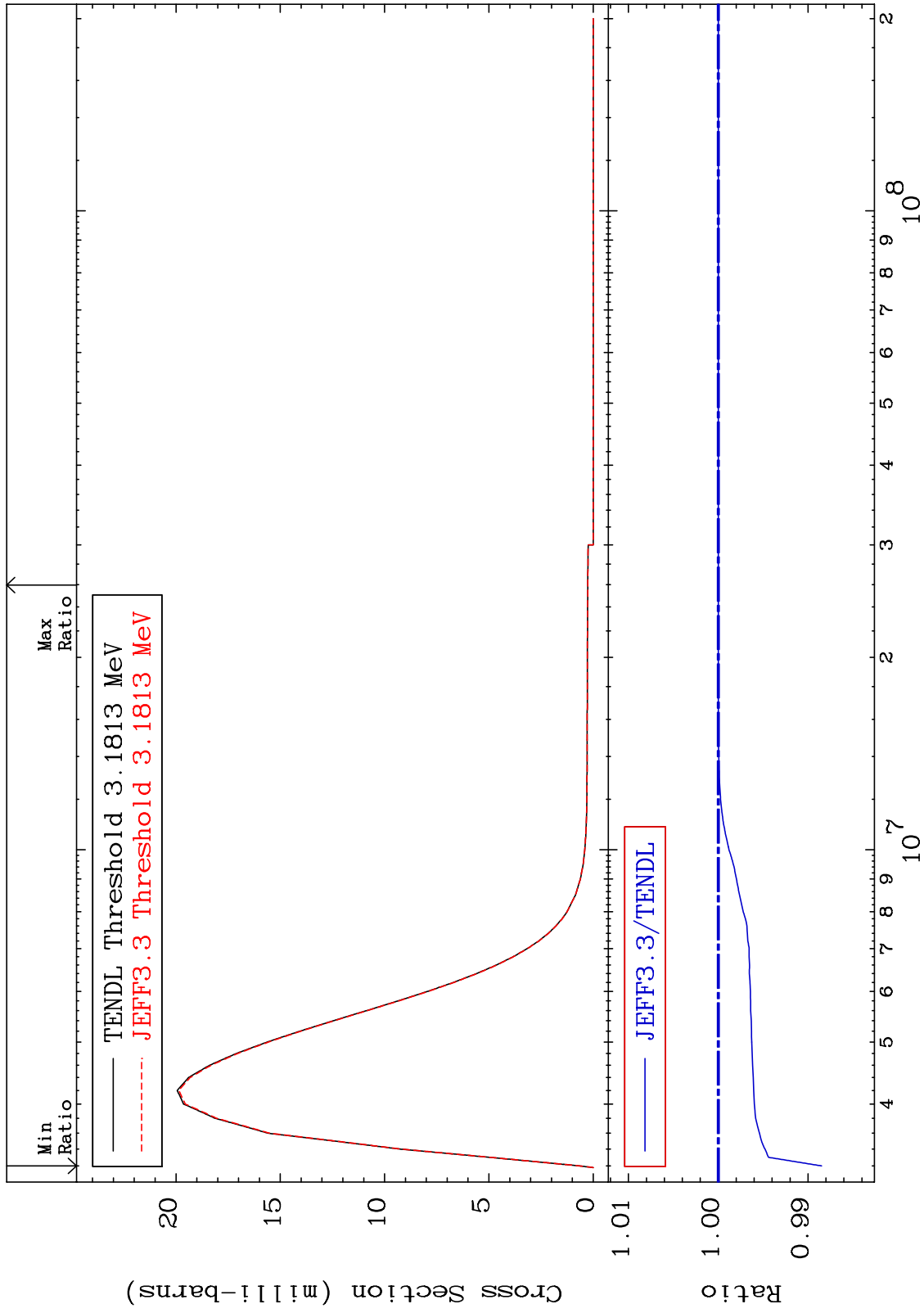
38-Sr-90
-4.095 To 0.000 %



MAT 3843

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

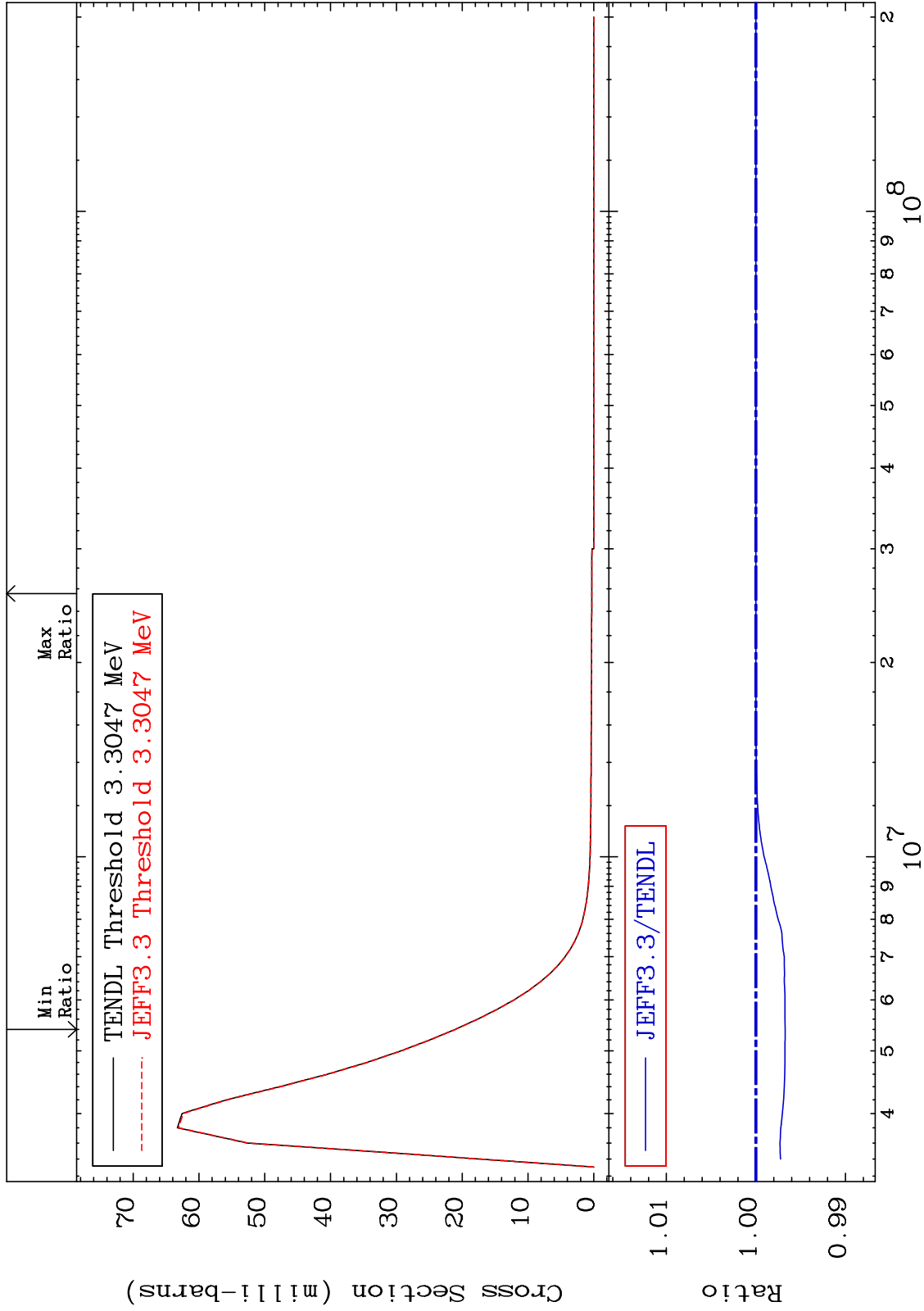
38-Sr-90
-1.151 To 0.000 %



MAT 3843

MT= 67 (n,n') Level
Cross Section

38-Sr-90
-0.328 To 0.000 %



35

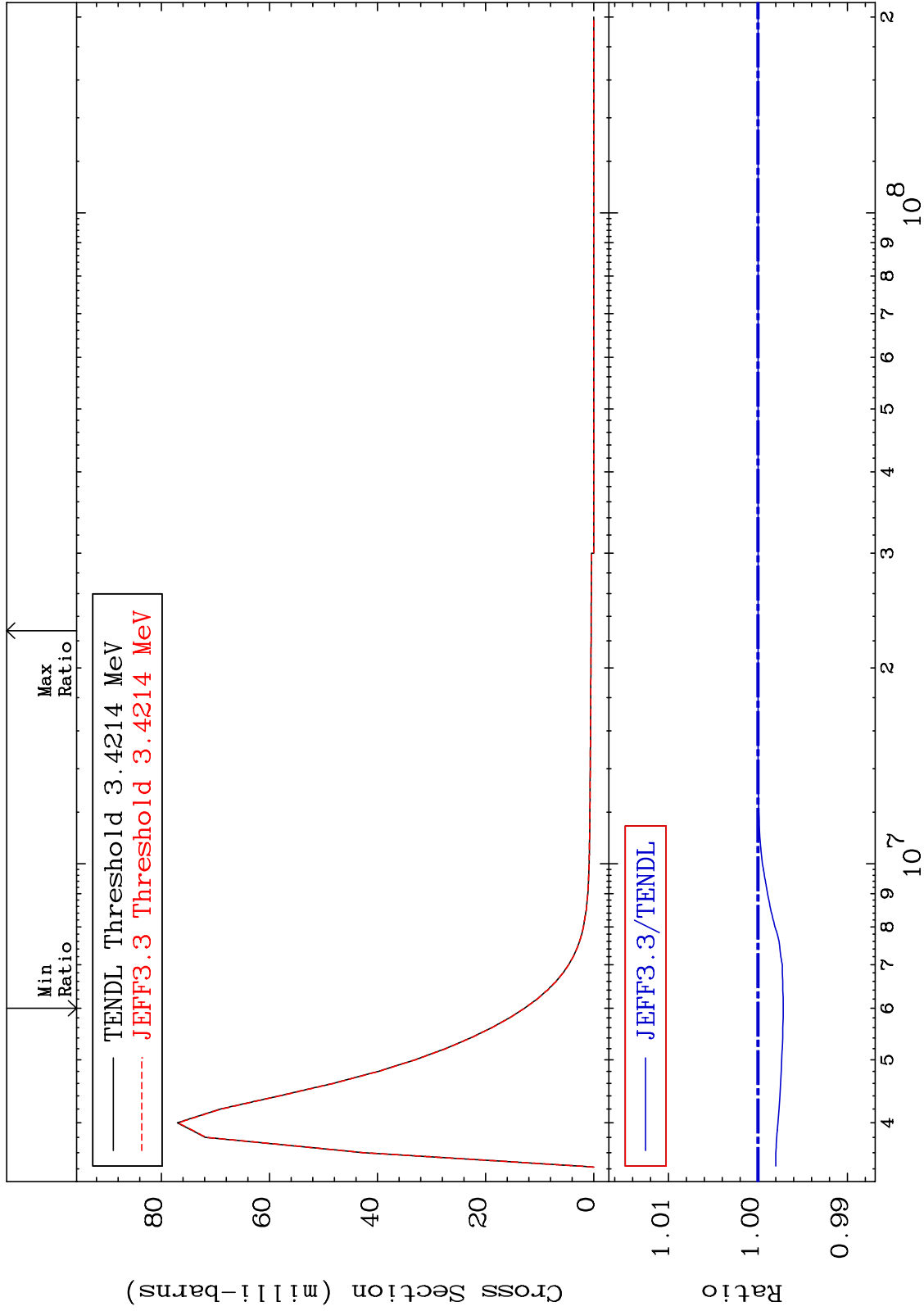
Incident Energy (eV)

38-Sr-90

MAT 3843

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

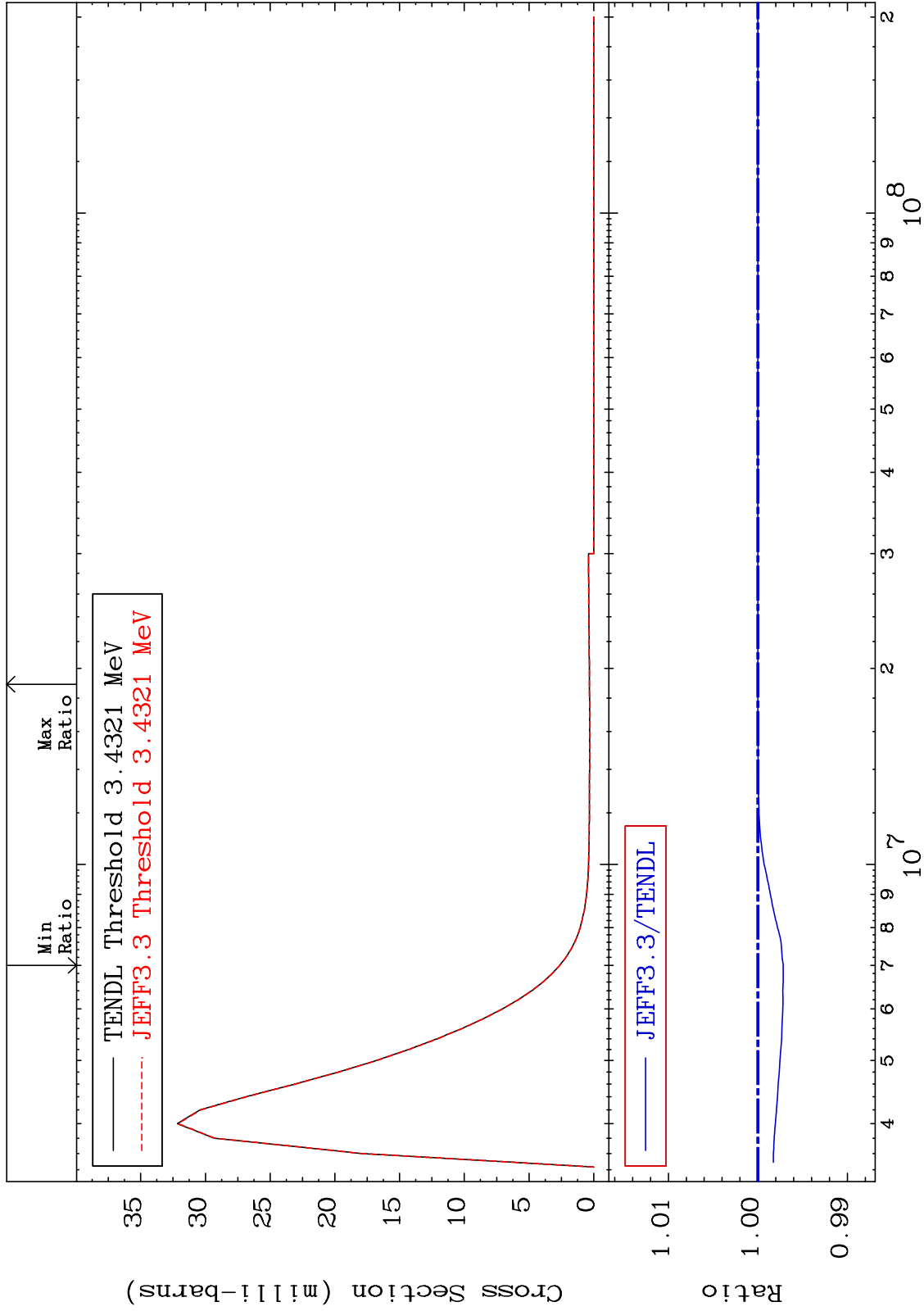
38-Sr-90
-0.282 To 0.000 %



MAT 3843

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

38-Sr-90
-0.284 To 0.000 %

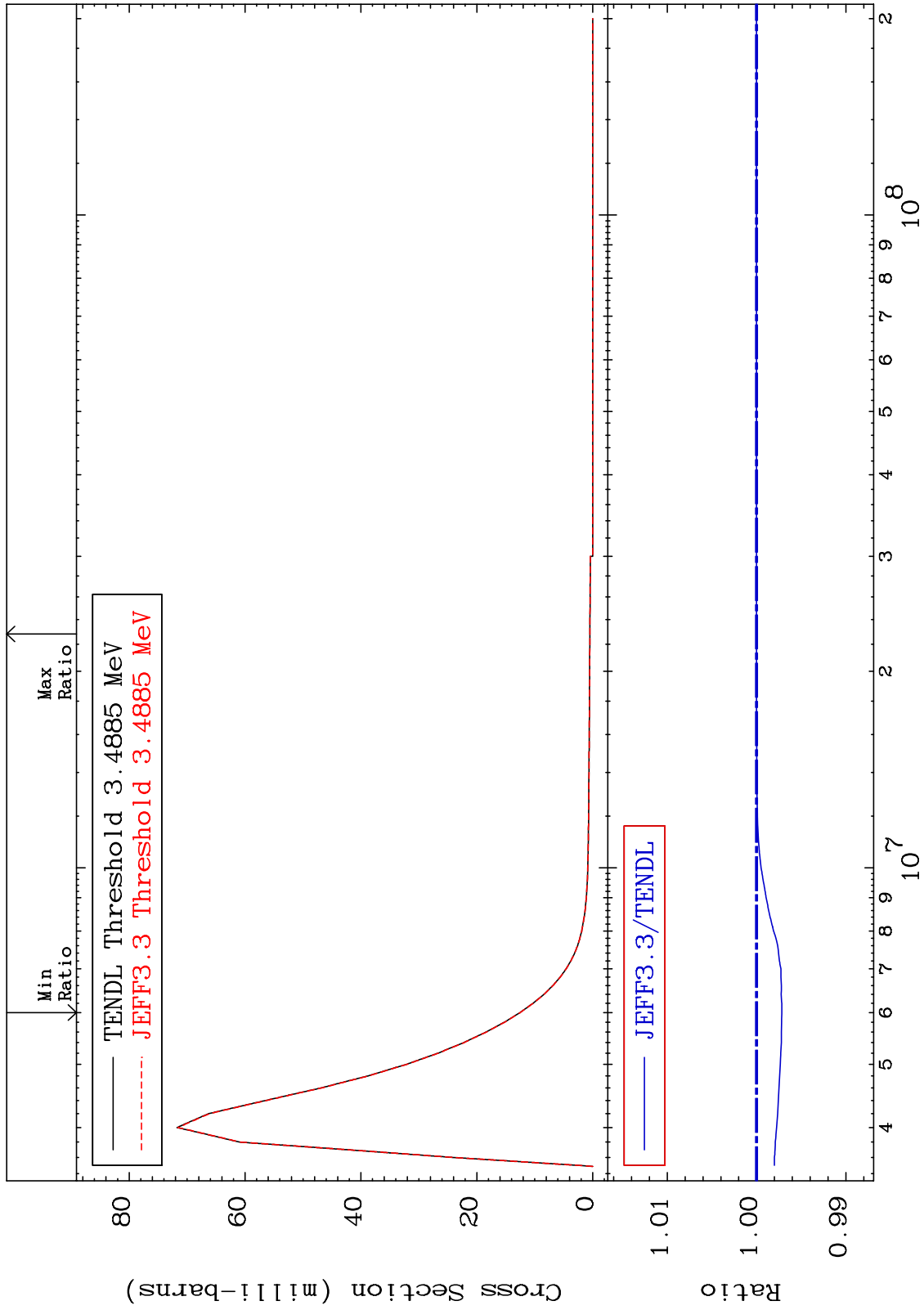


37

Incident Energy (eV)

38-Sr-90

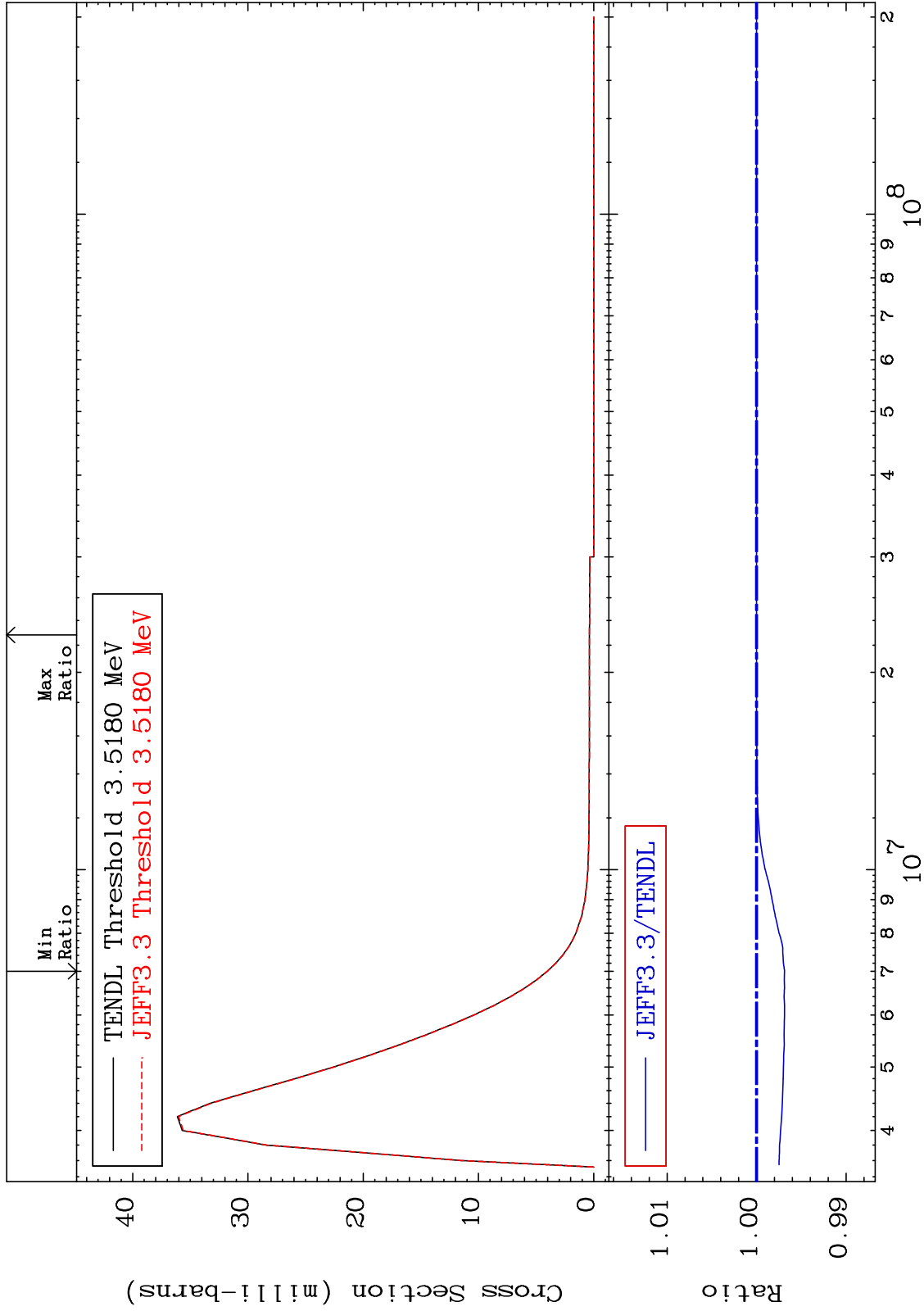
MAT 3843 MT= 70 (n,n') Level Cross Section 38-Sr-90 -0.283 To 0.000 %



MAT 3843

MT= 71 (n,n') Level
Cross Section

38-Sr-90
-0.313 To 0.000 %



39

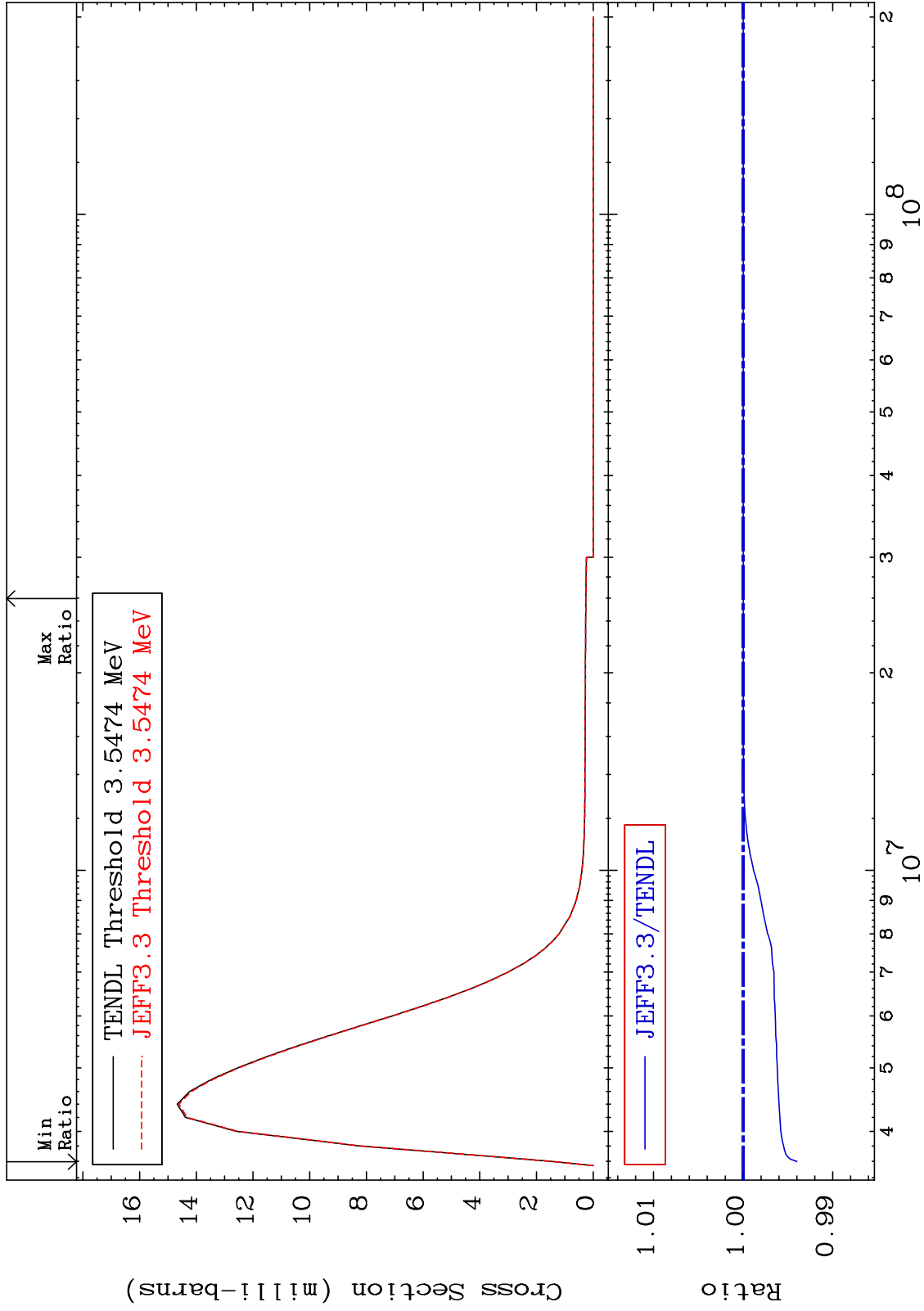
Incident Energy (eV)

38-Sr-90

MAT 3843

MT= 72 (n,n') Level
Cross Section

38-Sr-90
-0.598 To 0.000 %



40

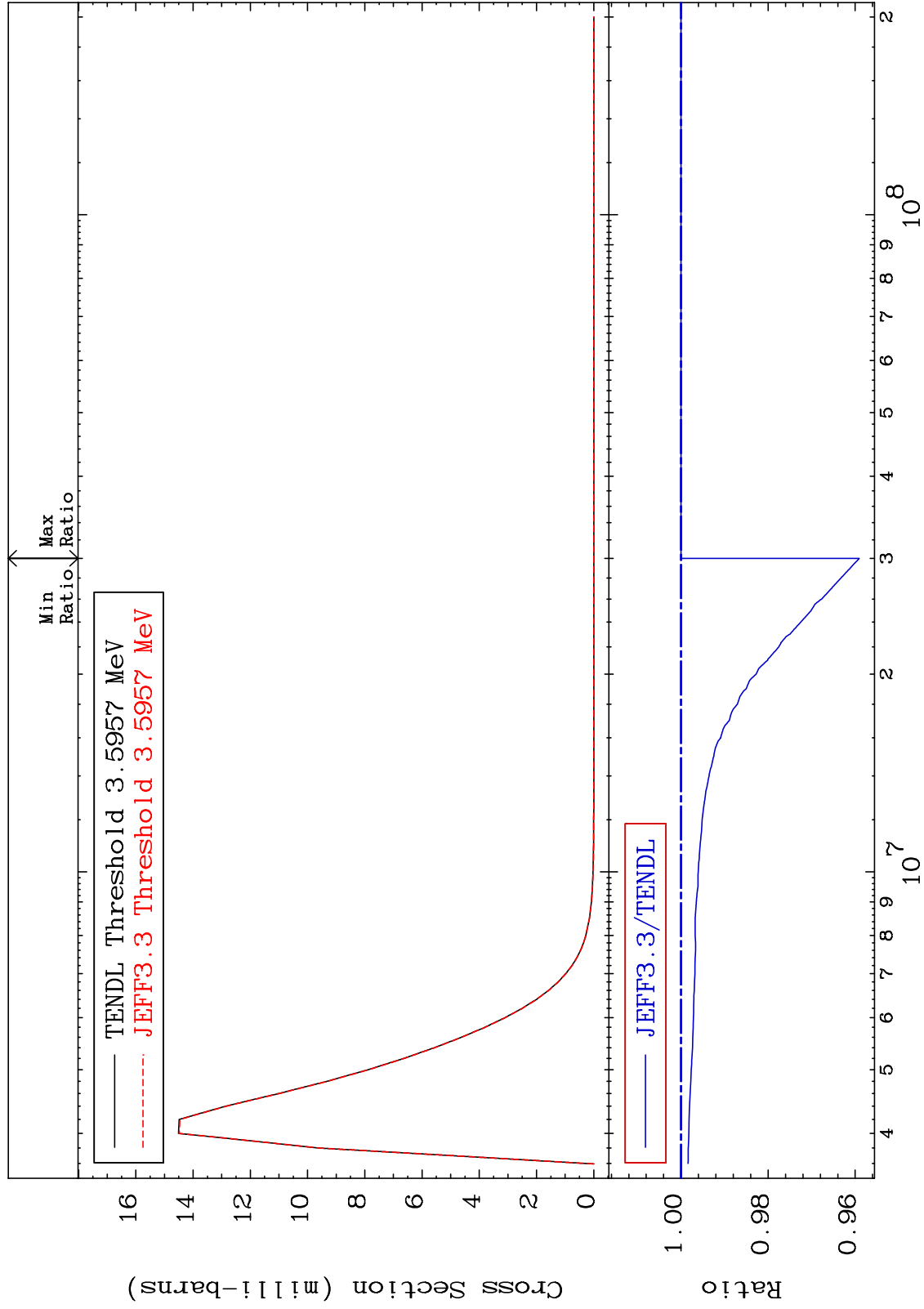
Incident Energy (eV)

38-Sr-90

MAT 3843

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

38-Sr-90
-4.094 To 0.000 %



41

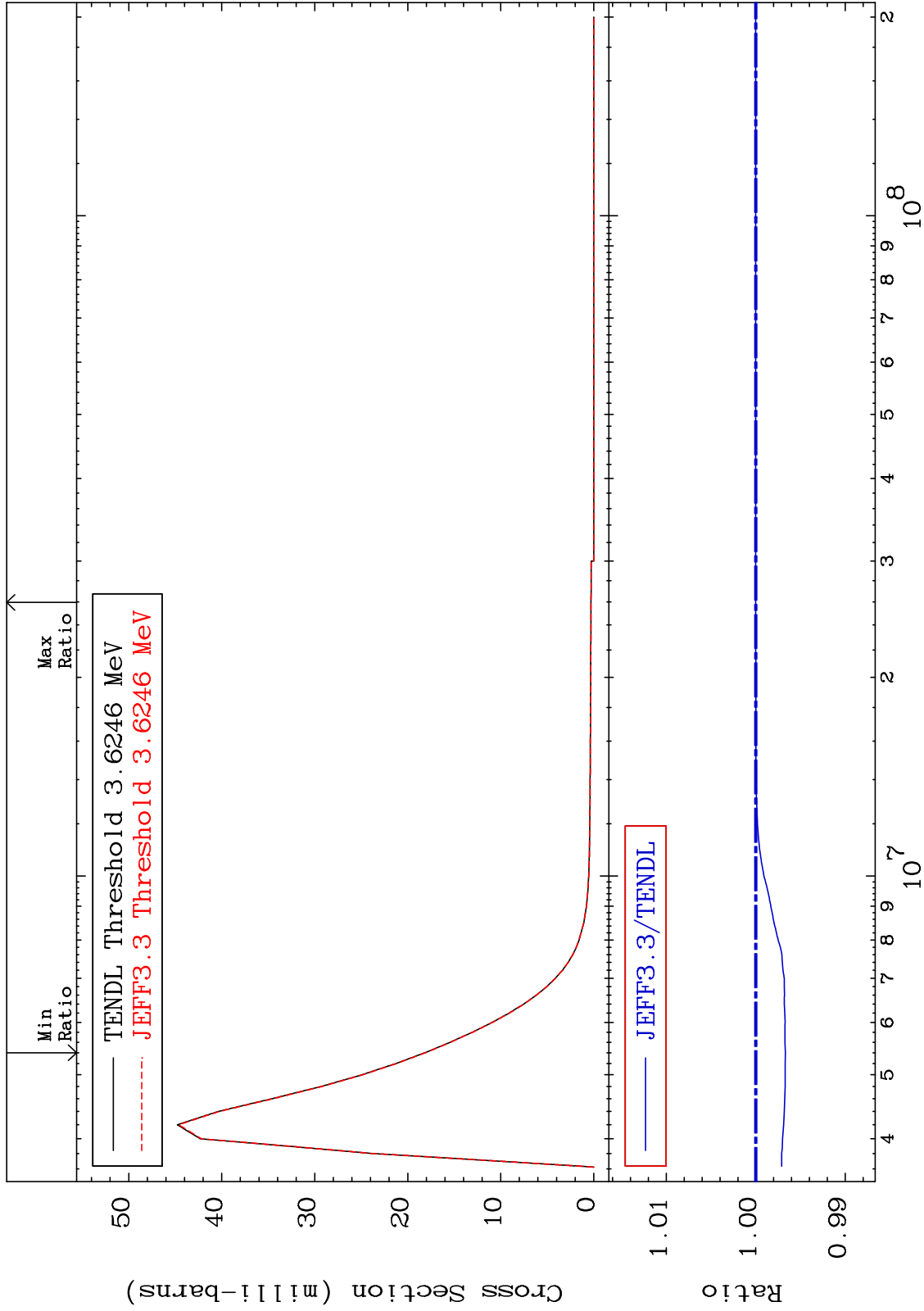
Incident Energy (eV)

38-Sr-90

MAT 3843

MT= 74 (n,n') Level
Cross Section

38-Sr-90
-0.331 To 0.000 %



42

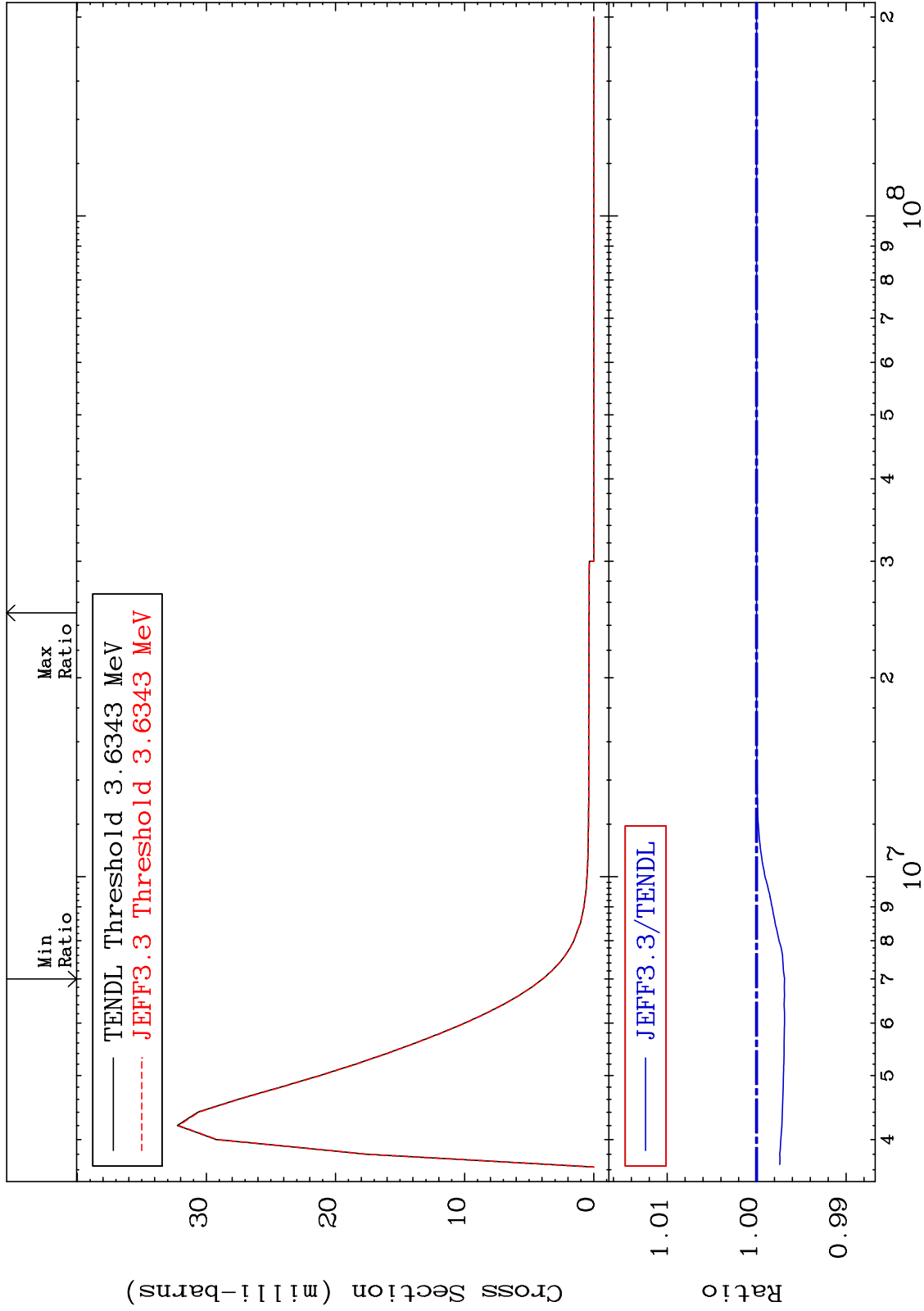
Incident Energy (eV)

38-Sr-90

MAT 3843

MT= 75 (n,n') Level
Cross Section

38-Sr-90
-0.312 To 0.000 %



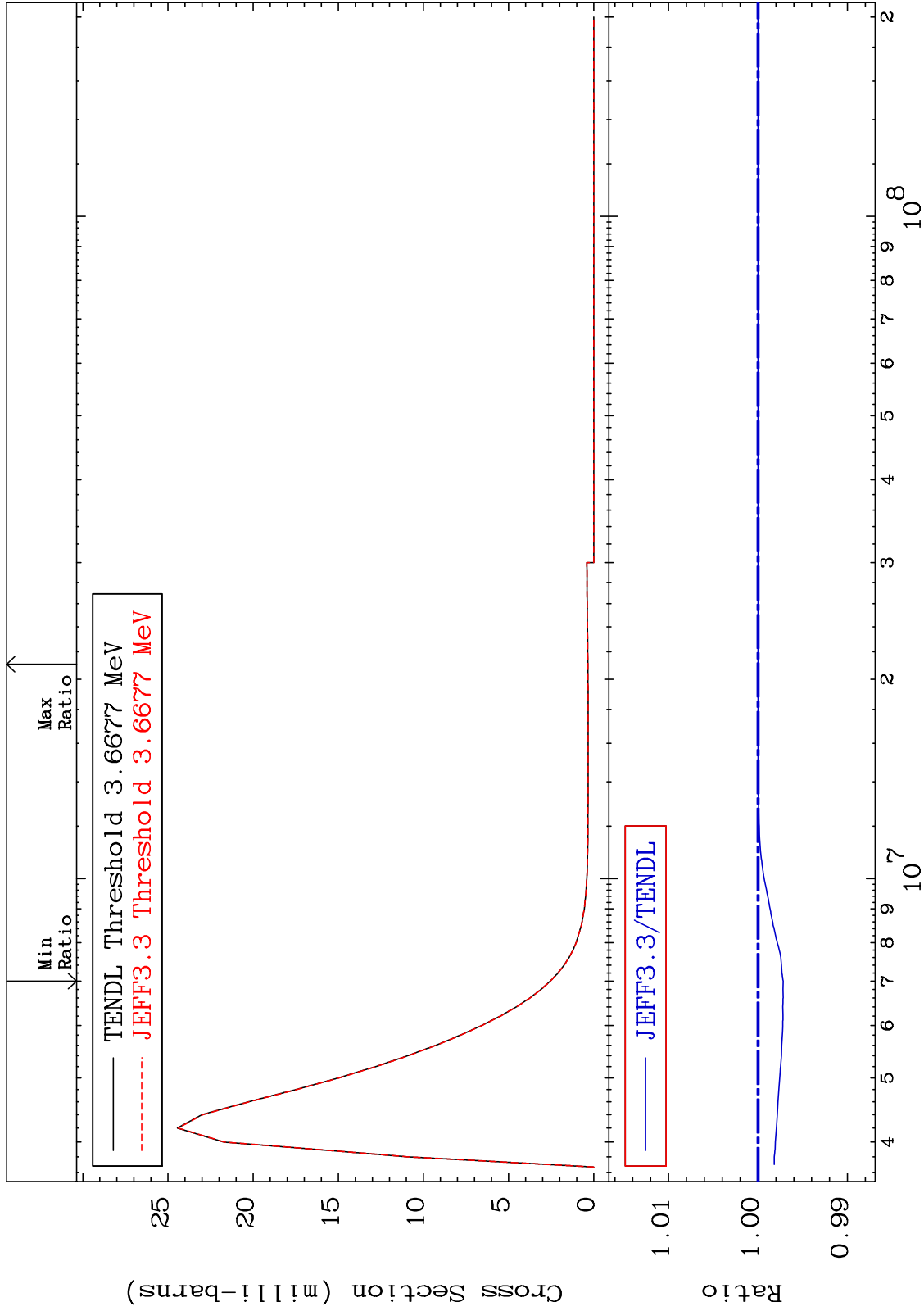
43

38-Sr-90

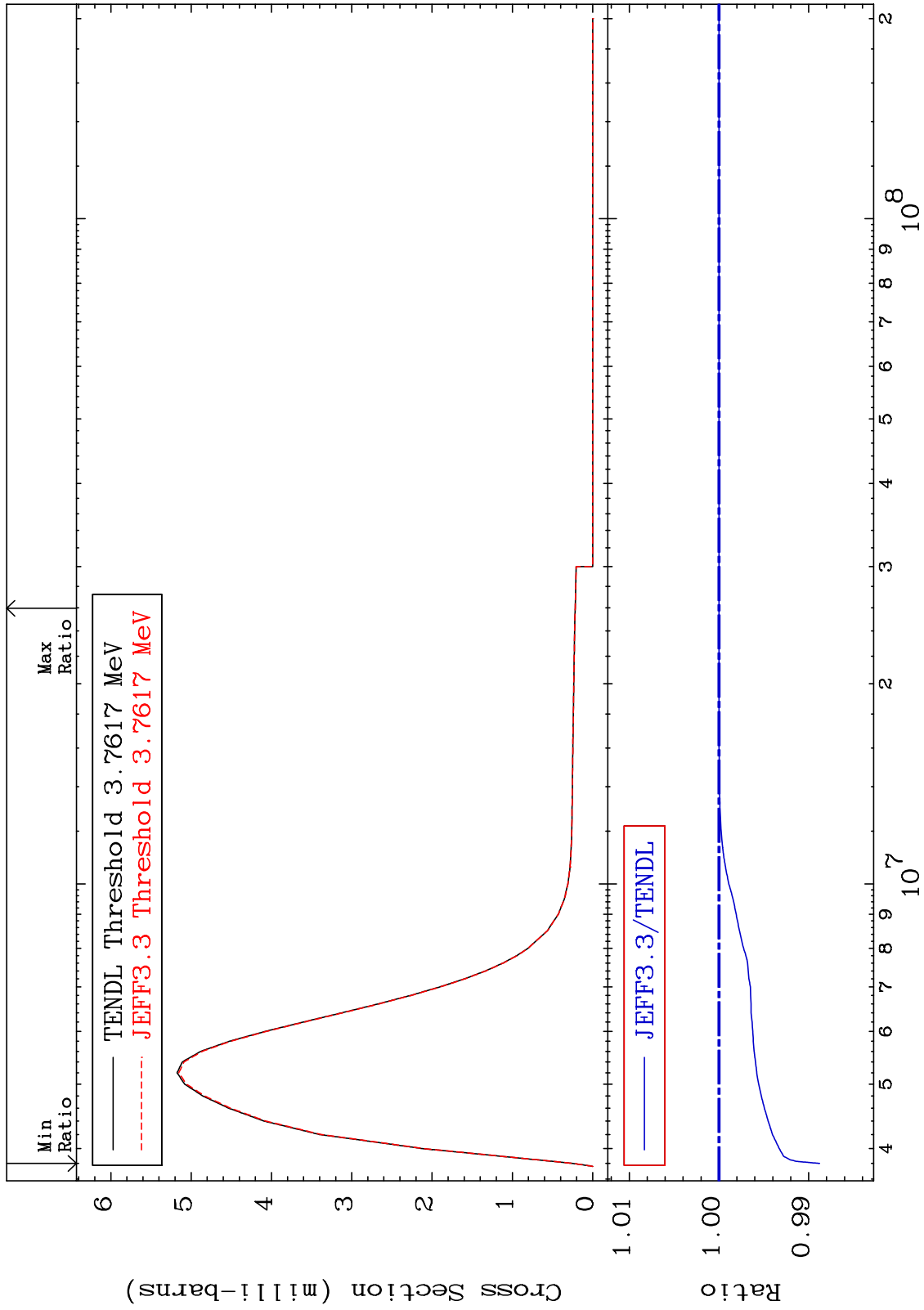
MAT 3843

MT= 76 (n,n') Level
Cross Section

38-Sr-90
-0.281 To 0.000 %

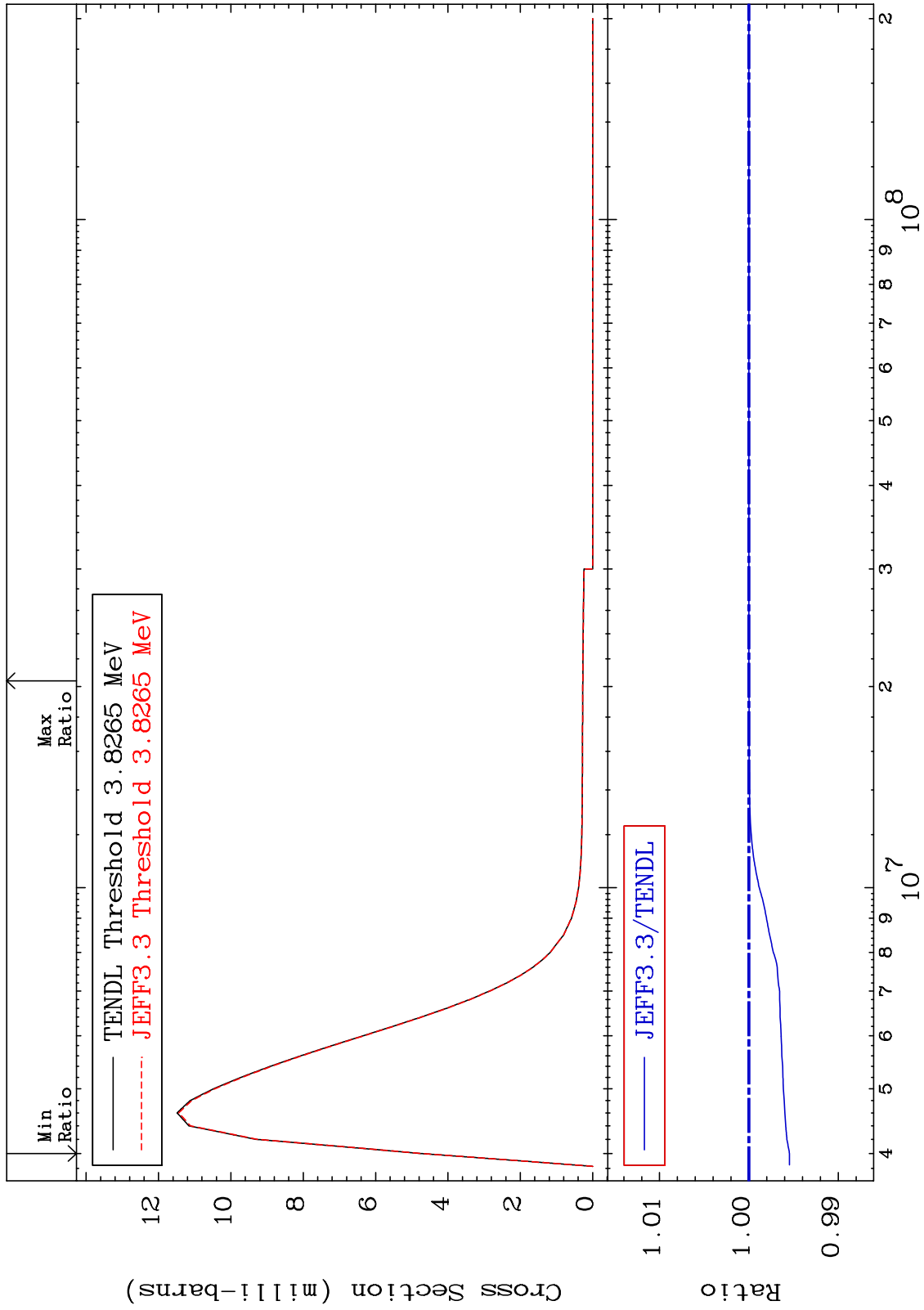


MAT 3843 MT= 77 (n,n') Level
Cross Section -1.120 To 0.000 % 38-Sr-90



45 38-Sr-90

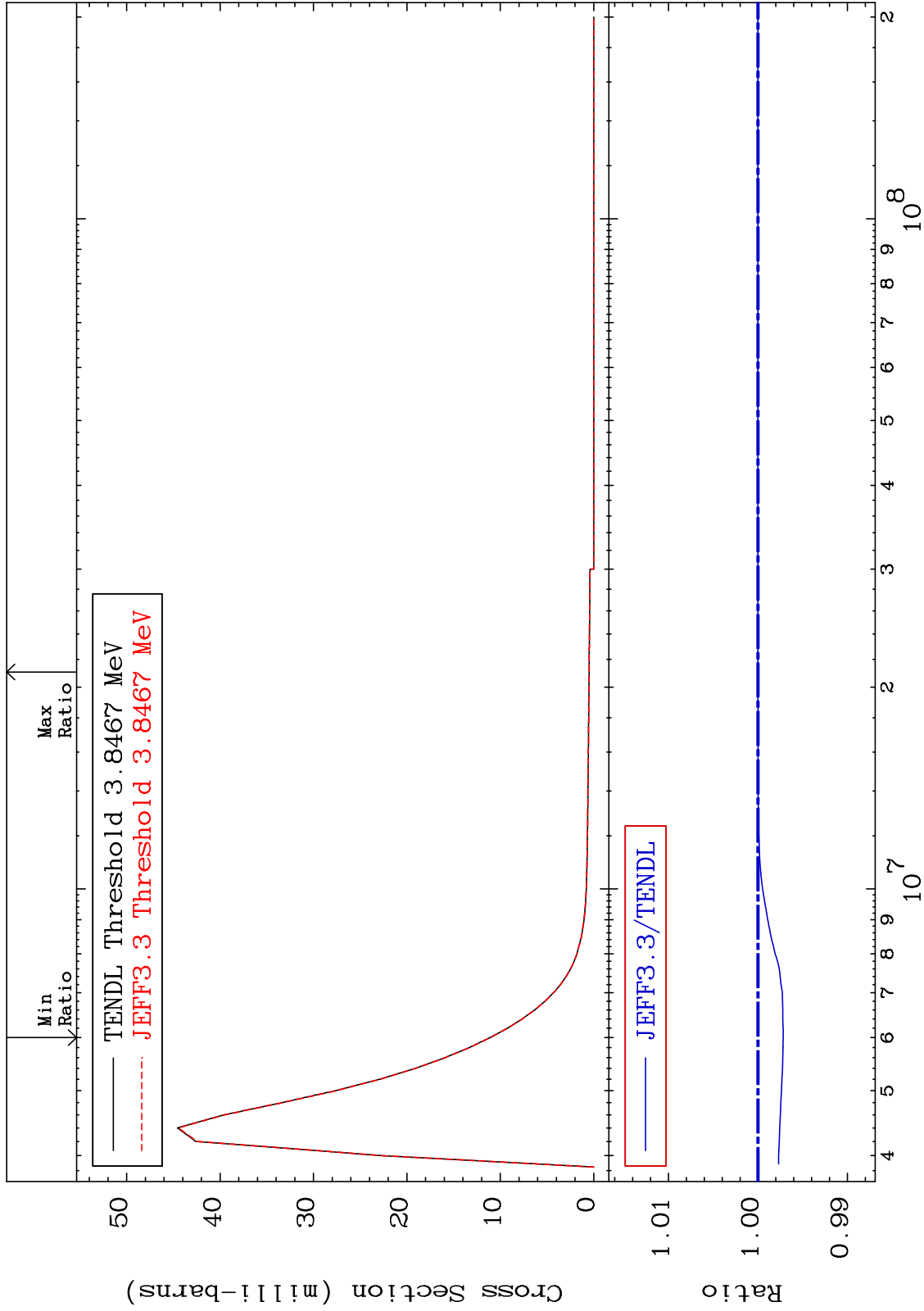
MAT 3843 MT= 78 (n,n') Level
Cross Section 38-Sr-90
-0.453 To 0.000 %



MAT 3843

MT= 79 (n,n') Level
Cross Section

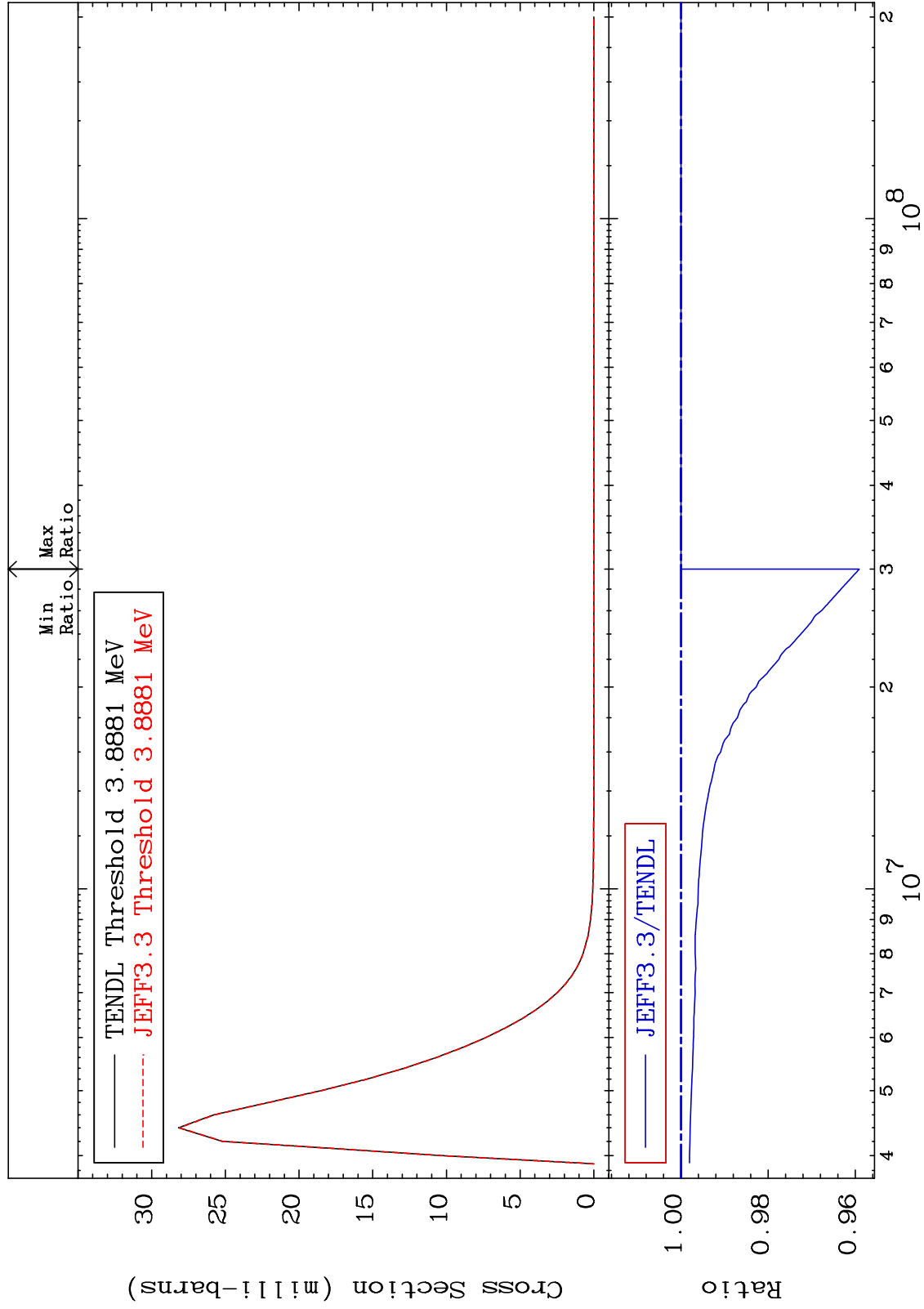
38-Sr-90
-0.282 To 0.000 %



MAT 3843

MT= 80 (n,n') Level
Cross Section

38-Sr-90
-4.093 To 0.000 %



48

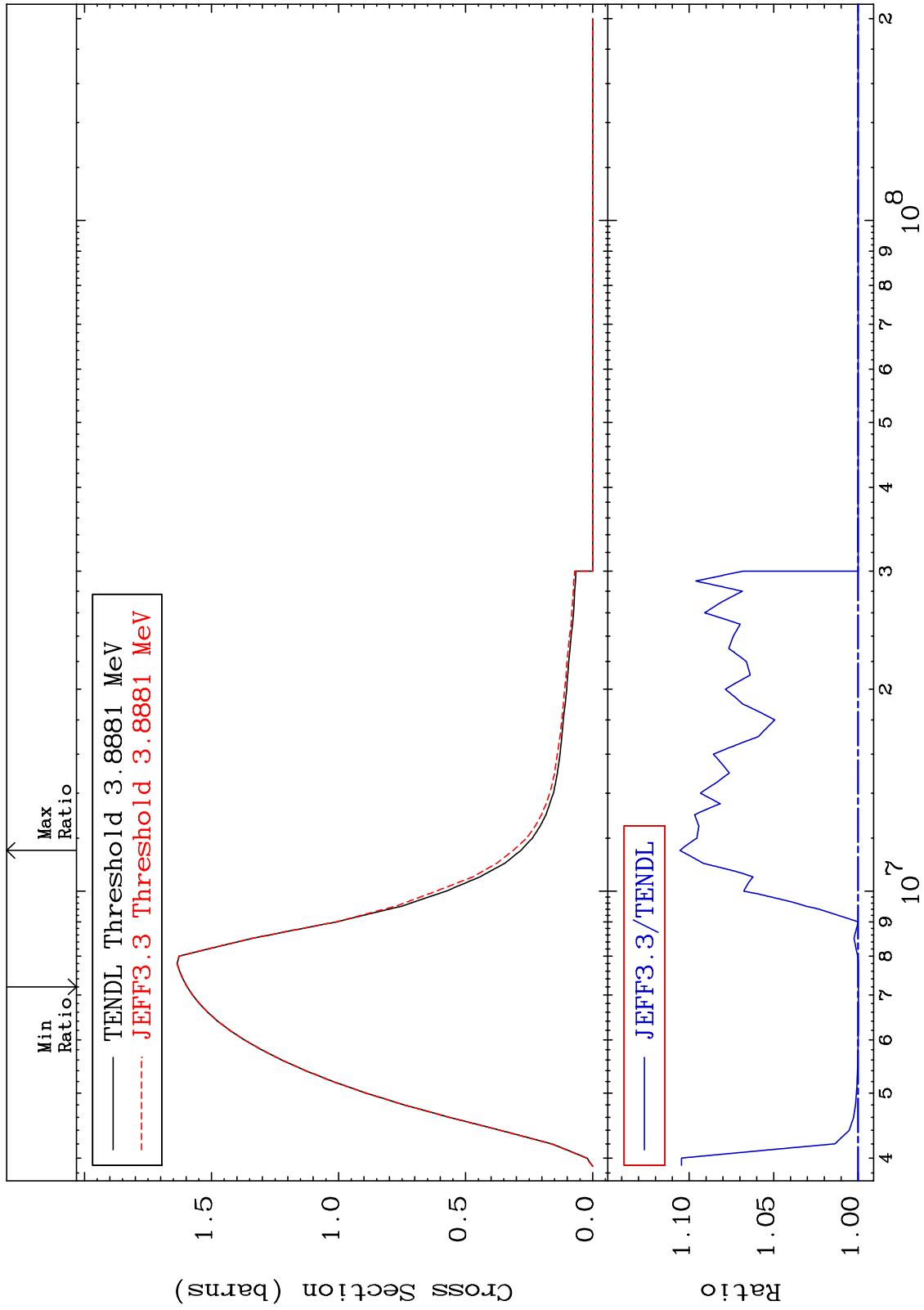
Incident Energy (eV)

38-Sr-90

MAT 3843

(n, n') Continuum
Cross Section

38-Sr-90
-0.020 To 10.54 %



49

Incident Energy (eV)

38-Sr-90

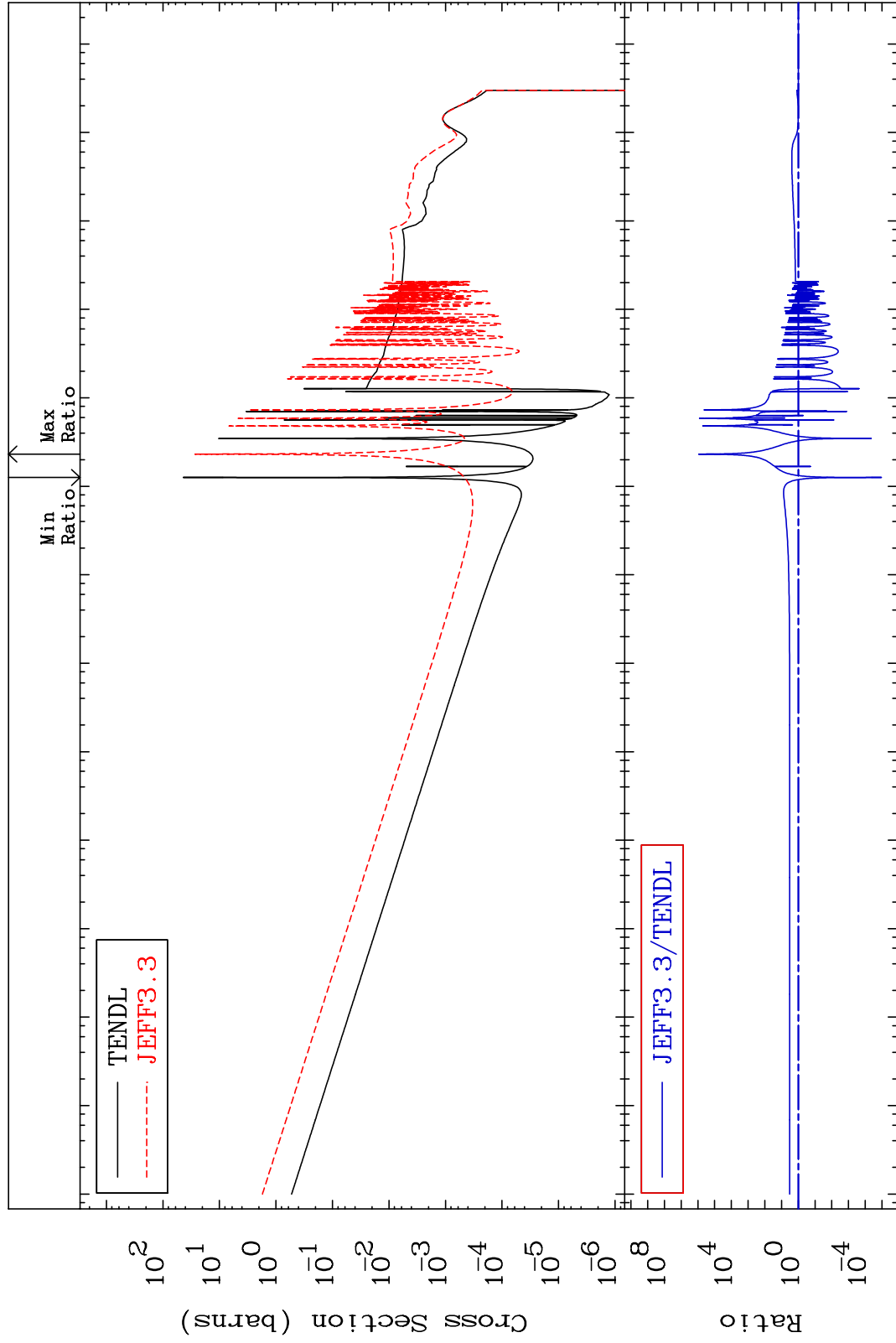
MAT 3843

(n, γ)

38-Sr-90

Cross Section

-100.0 To 9999. %



50

Incident Energy (eV)

38-Sr-90

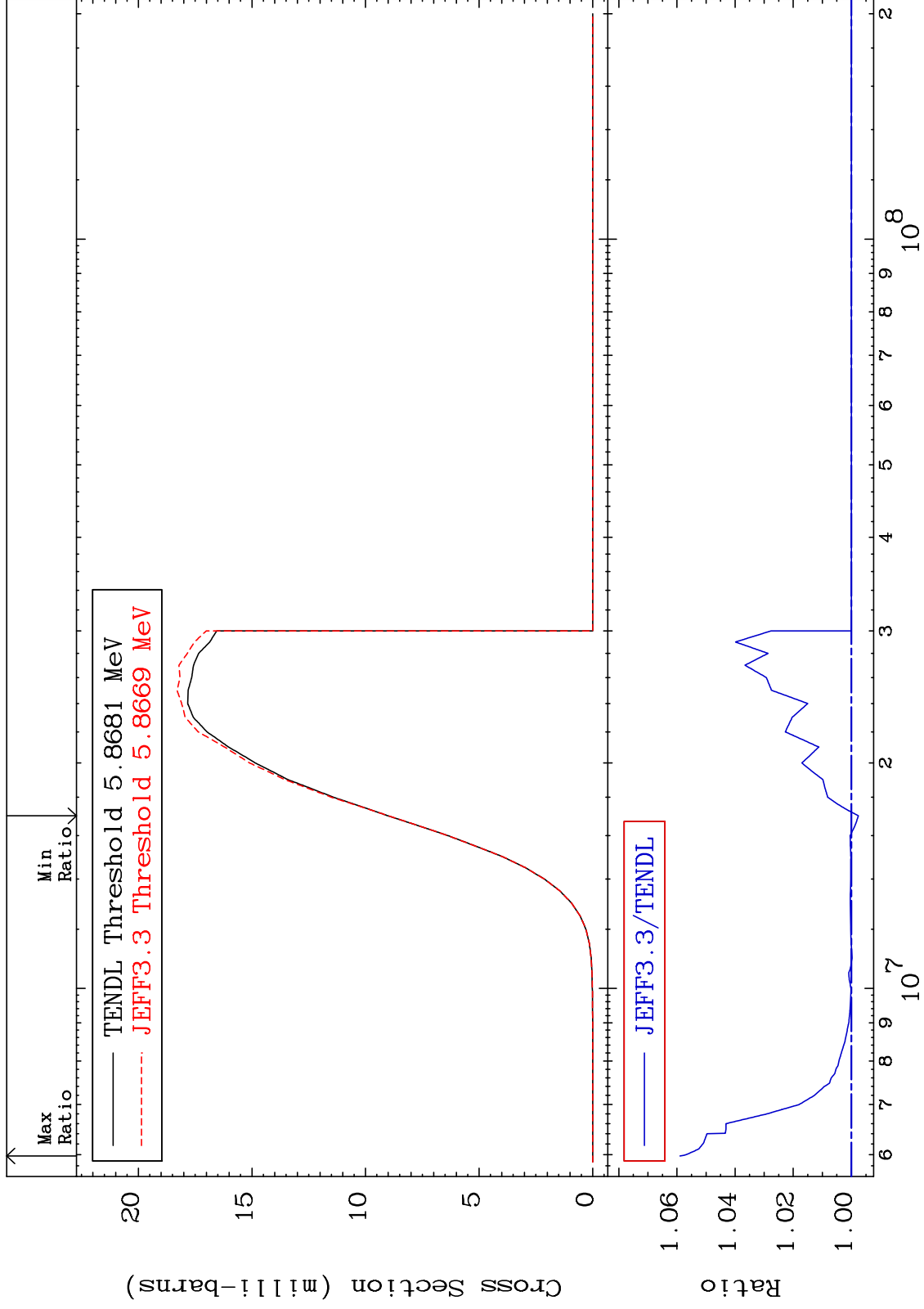
MAT 3843

(n,p)

38-Sr-90

Cross Section

-0.242 To 5.895 %



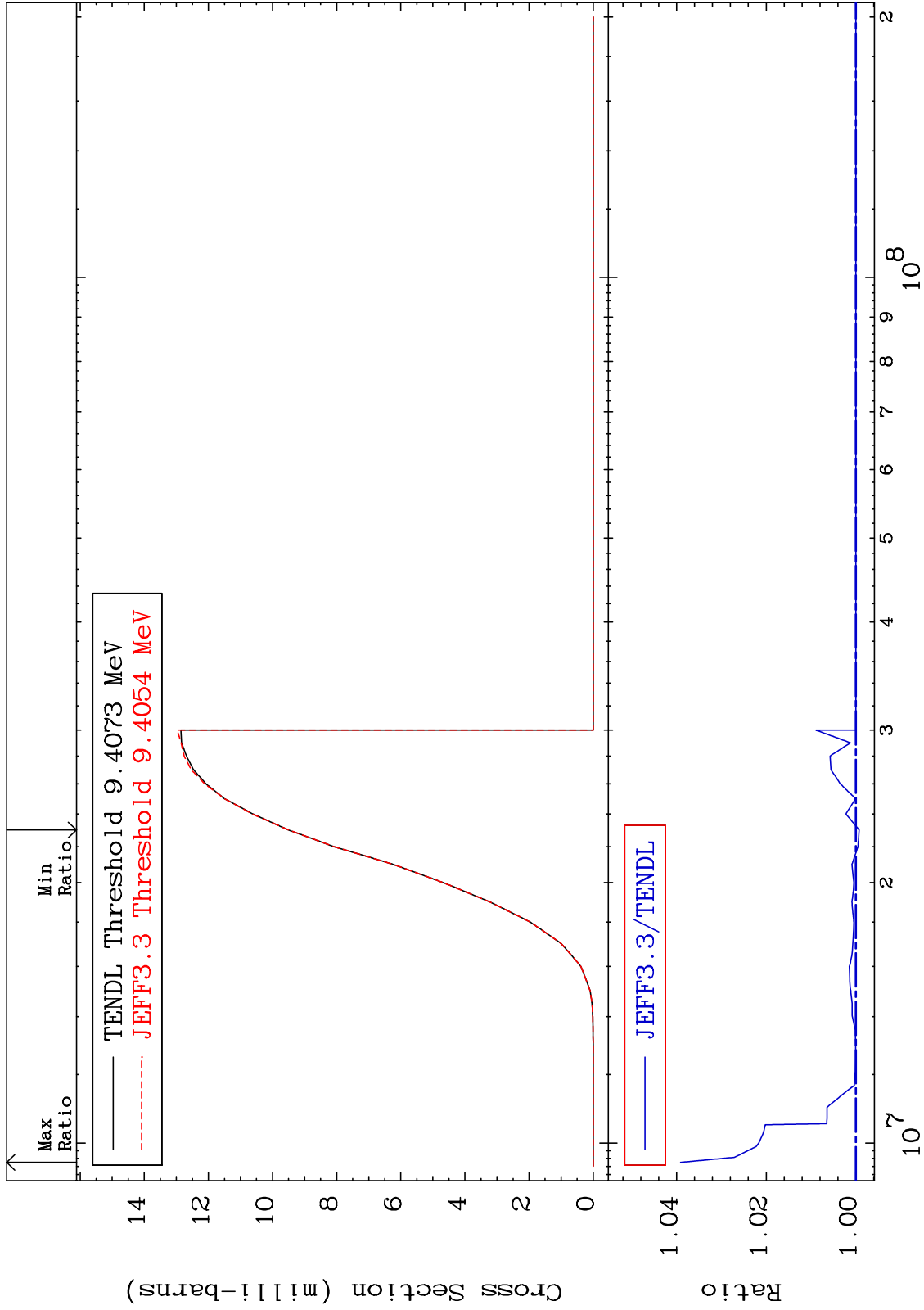
MAT 3843

(n, d)

38-Sr-90

Cross Section

-0.074 To 3.911 %



52

Incident Energy (eV)

38-Sr-90

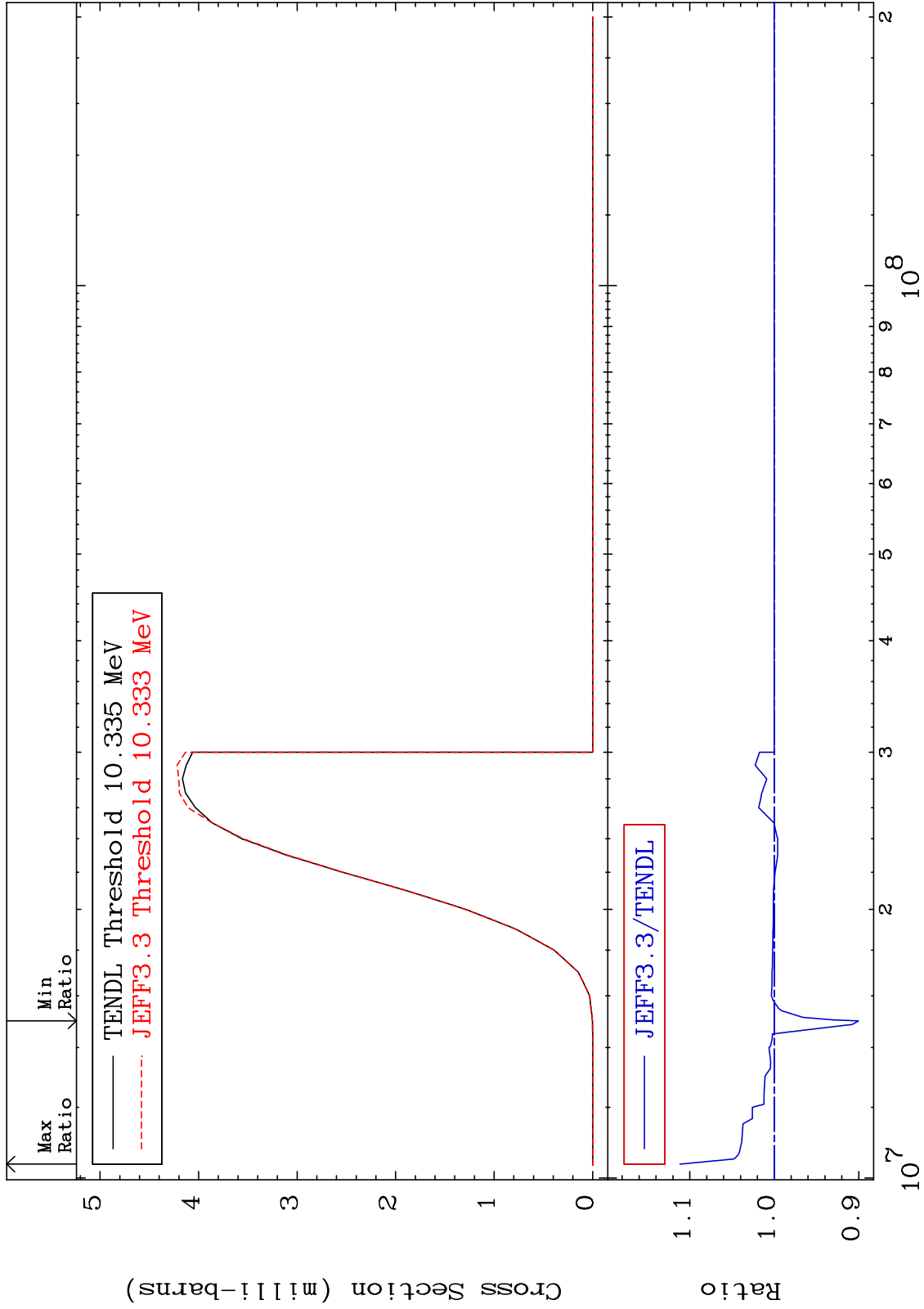
MAT 3843

(n, t)

³⁸Sr-90

Cross Section

-9.963 To 11.16 %



53

Incident Energy (eV)

³⁸Sr-90

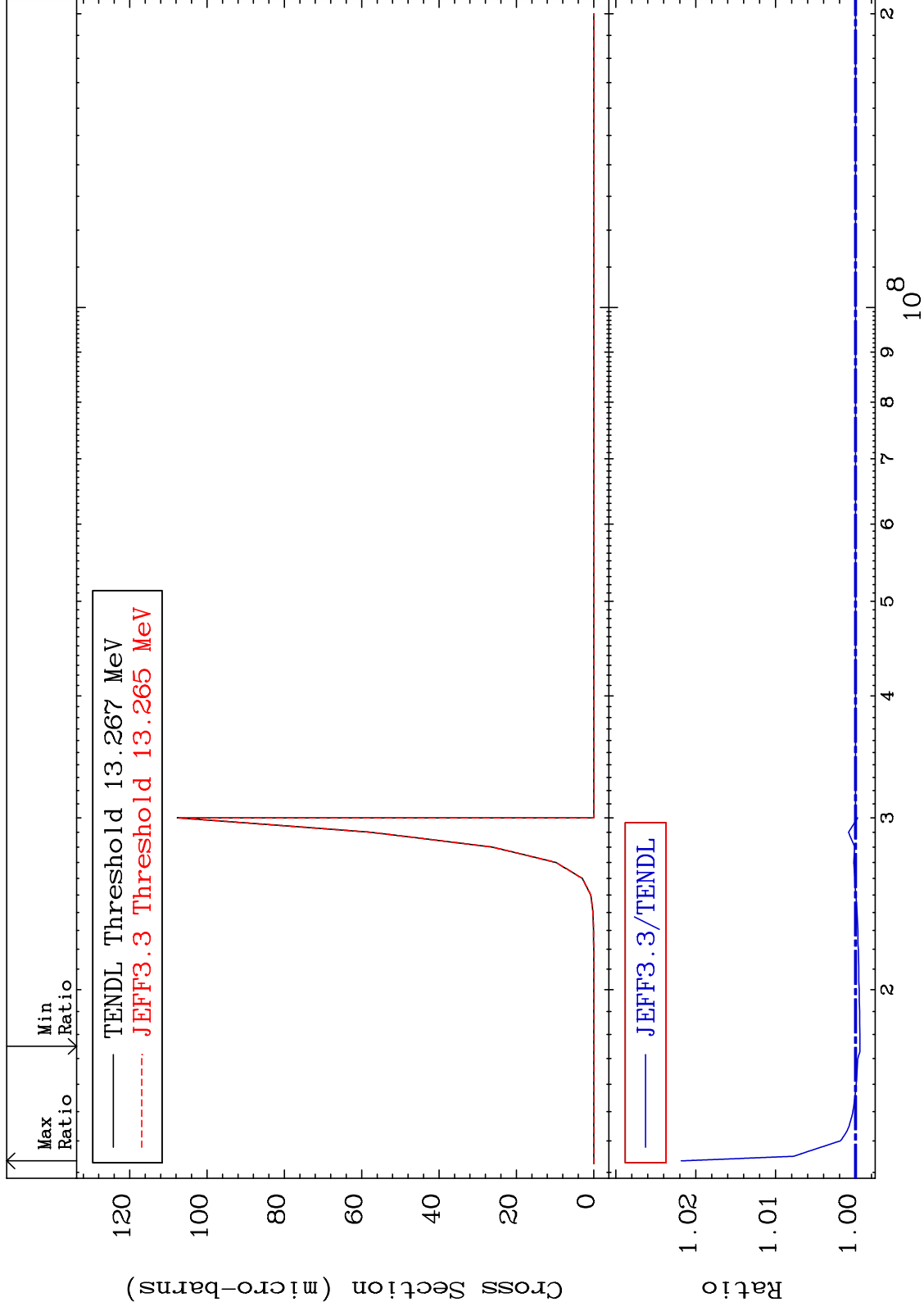
MAT 3843

(n, He-3)

38-Sr-90

Cross Section

-0.055 To 2.182 %



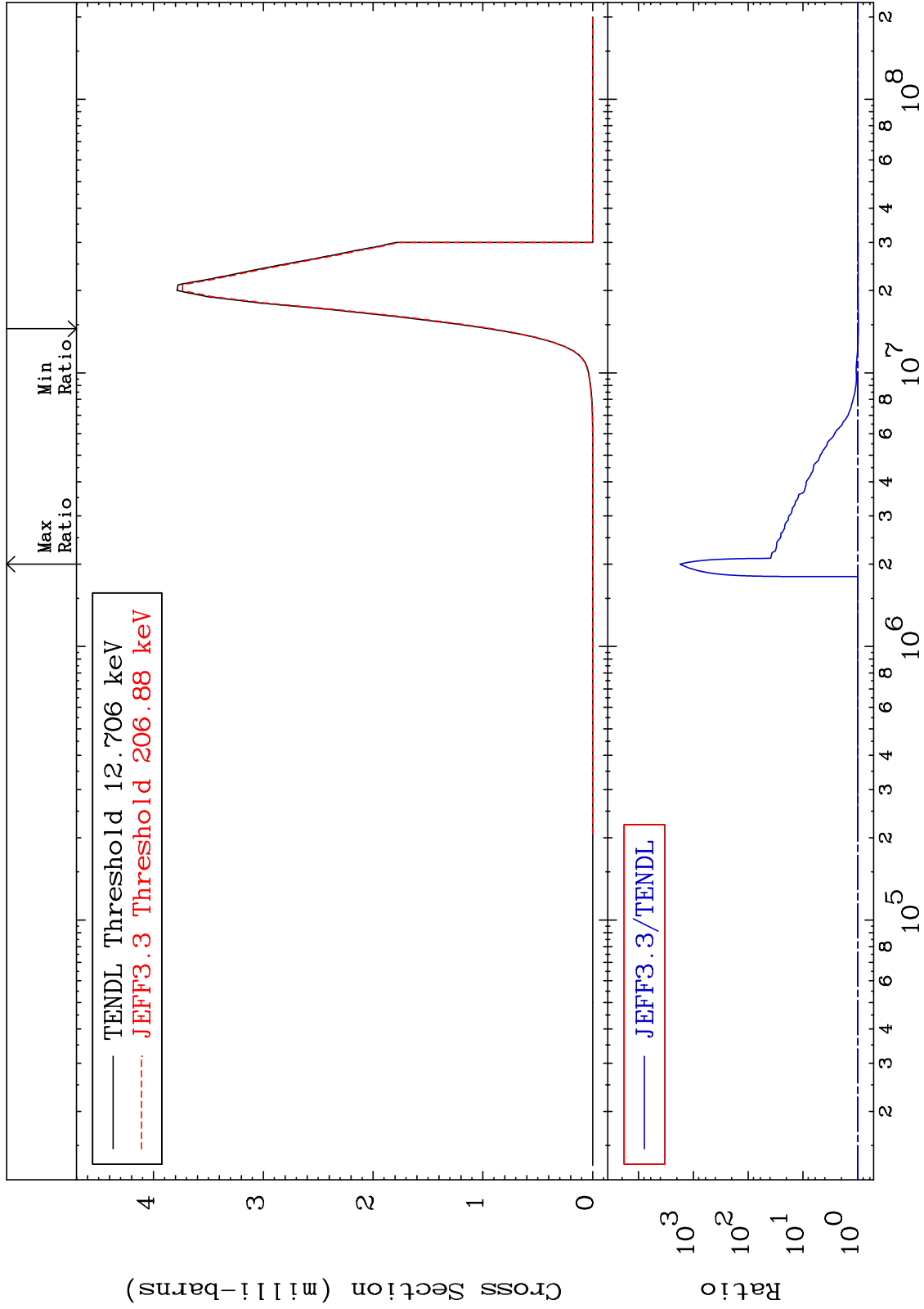
MAT 3843

(n, α)

38-Sr-90

Cross Section

-2.714 To 9999. %



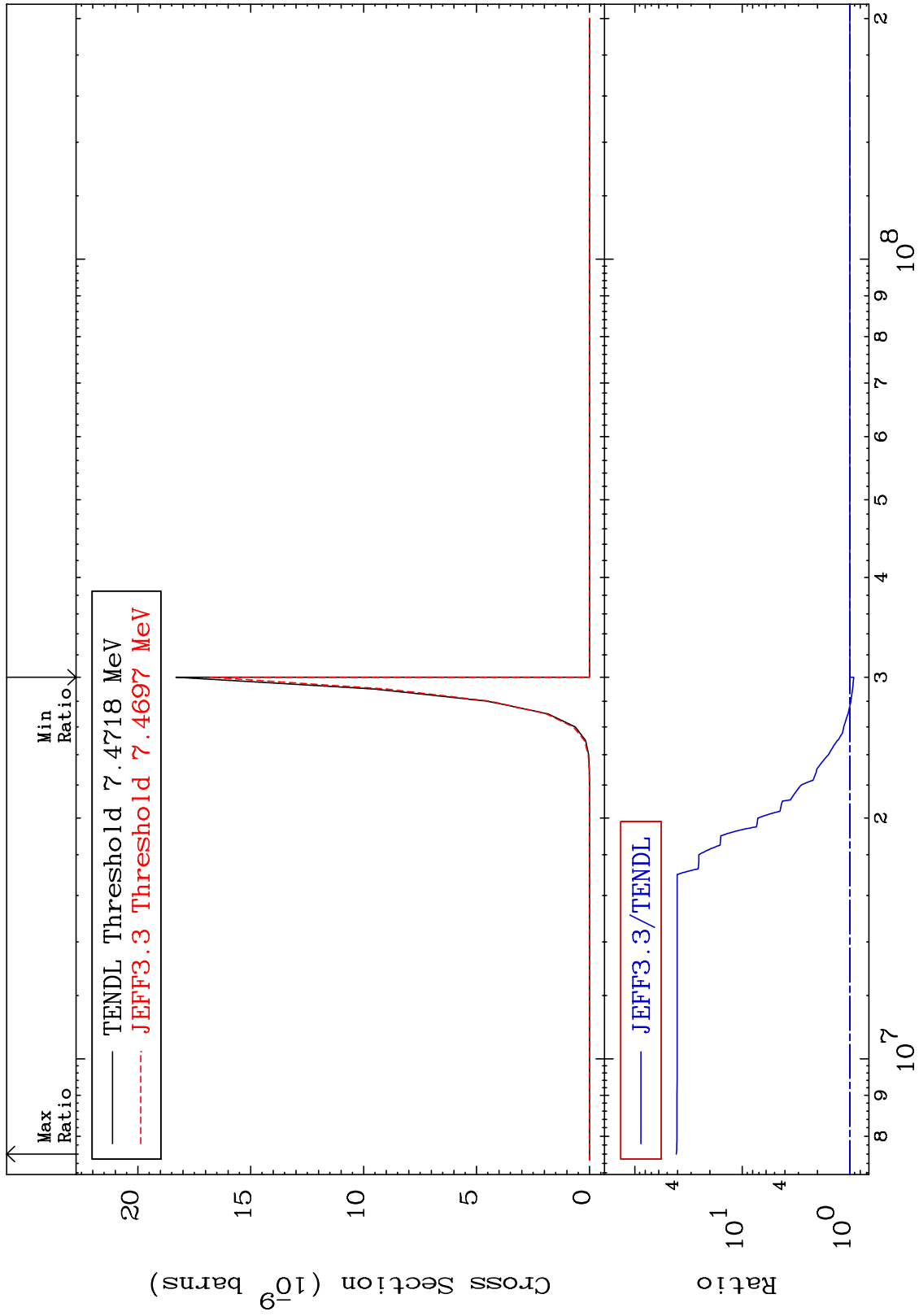
MAT 3843

(n,2α)

38-Sr-90

Cross Section

-8.196 To 4006. %



56

Incident Energy (eV)

38-Sr-90

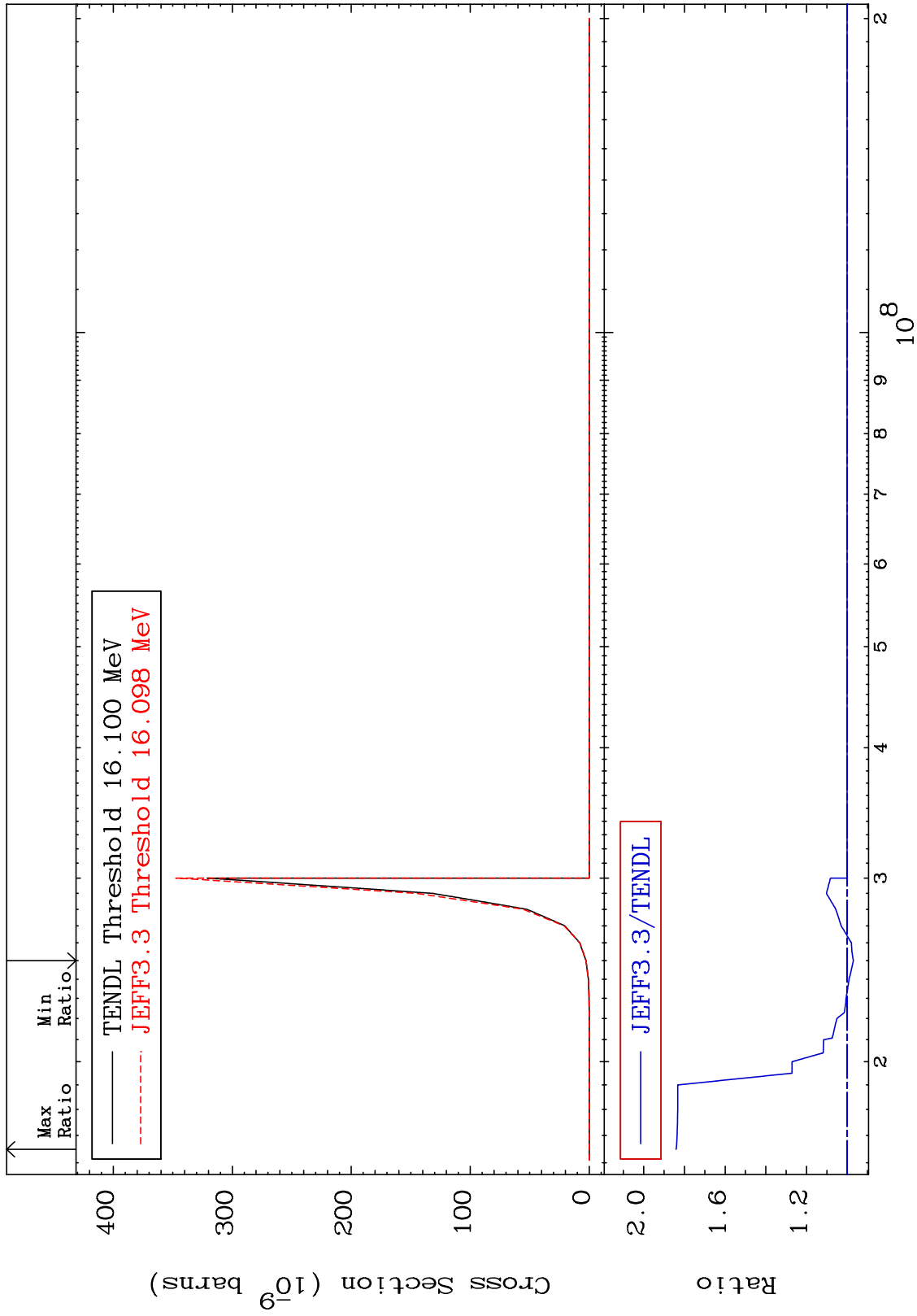
MAT 3843

(n,2p)

38-Sr-90

Cross Section

-3.067 To 84.11 %



57

Incident Energy (eV)

38-Sr-90

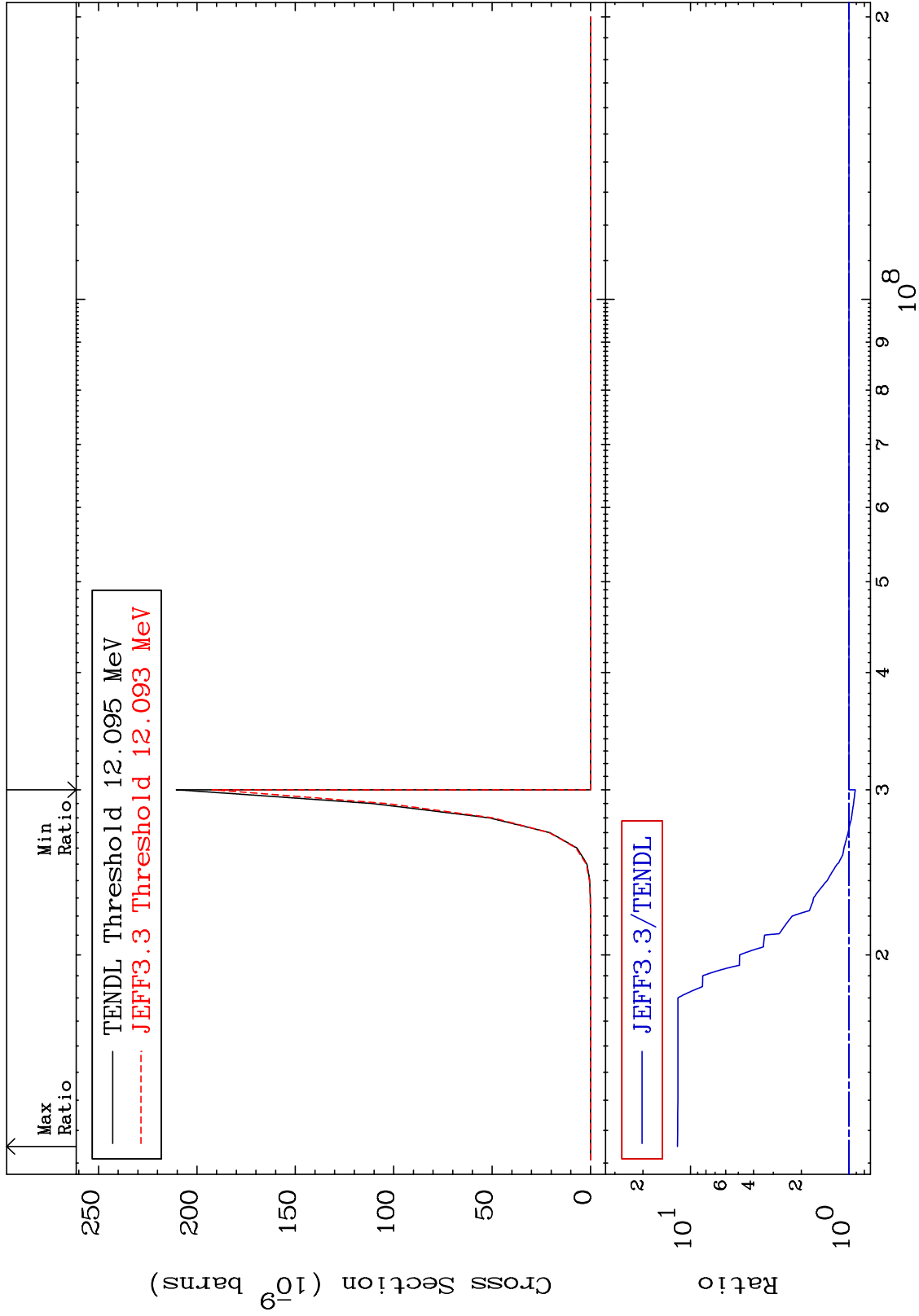
MAT 3843

(n,p) α

38-Sr-90

Cross Section

-8.759 To 1108. %



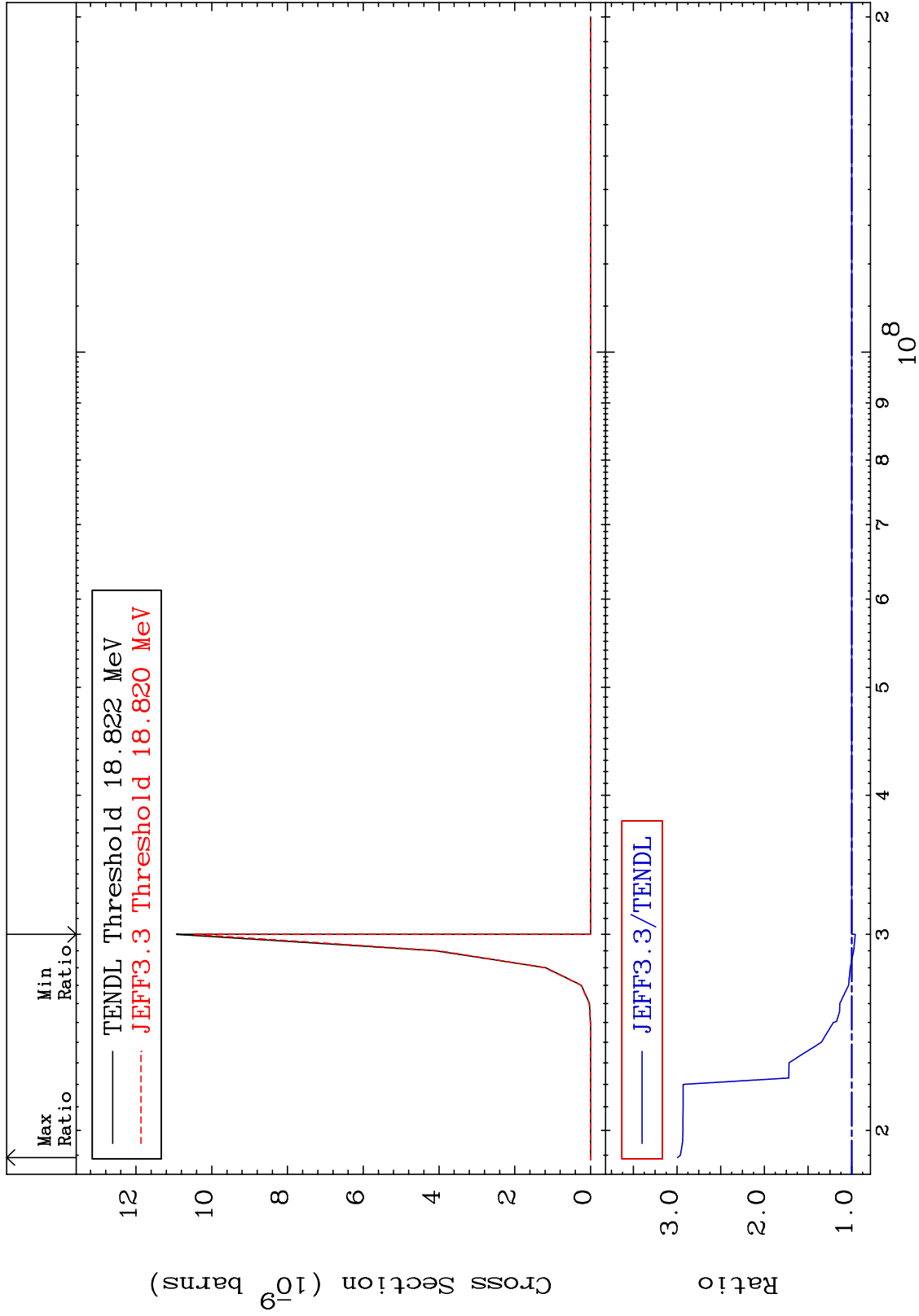
MAT 3843

(n,p) d

38-Sr-90

Cross Section

-3.984 To 199.4 %



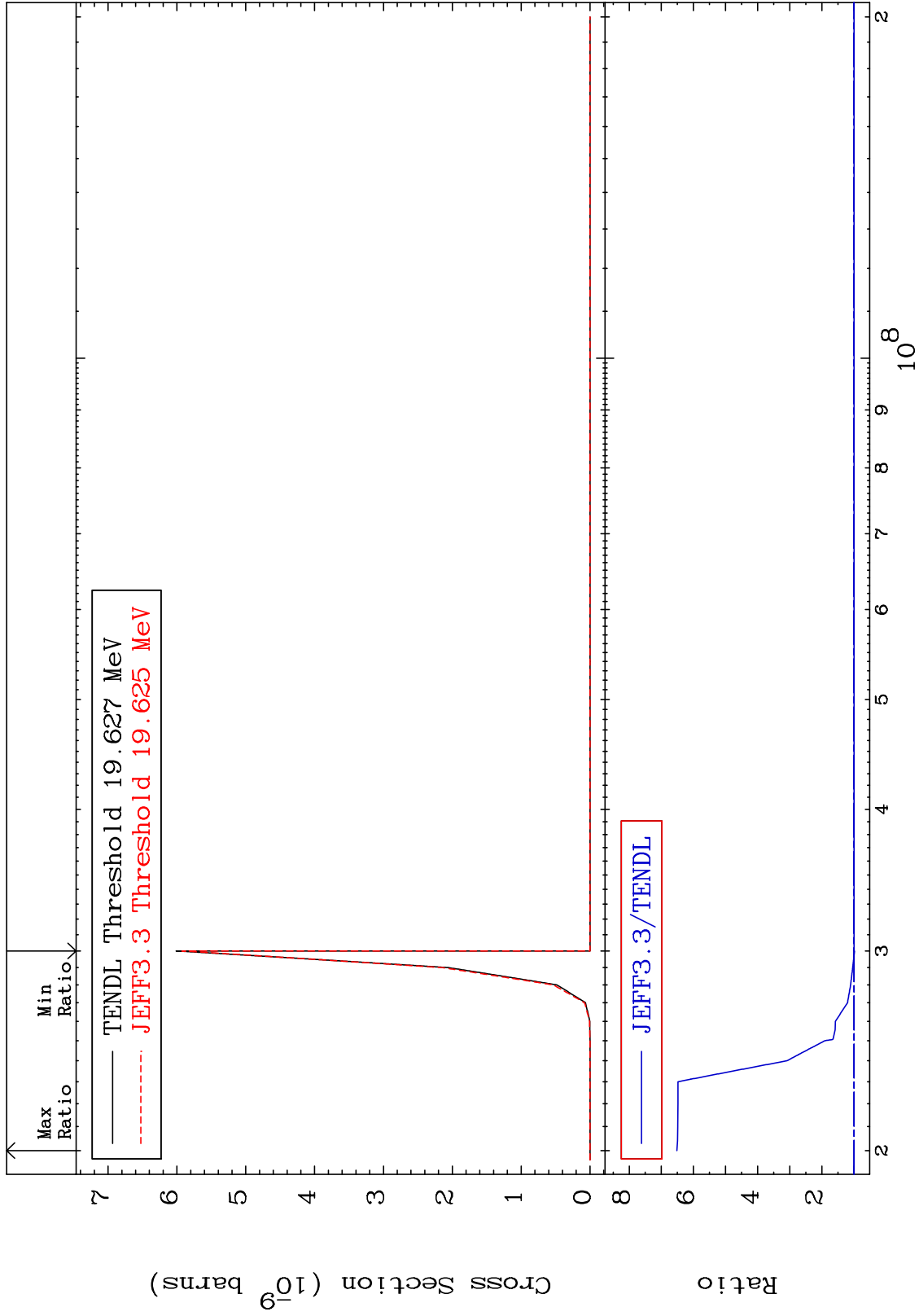
MAT 3843

(n,p) t

38-Sr-90

Cross Section

-1.412 To 551.4 %



60

Incident Energy (eV)

38-Sr-90

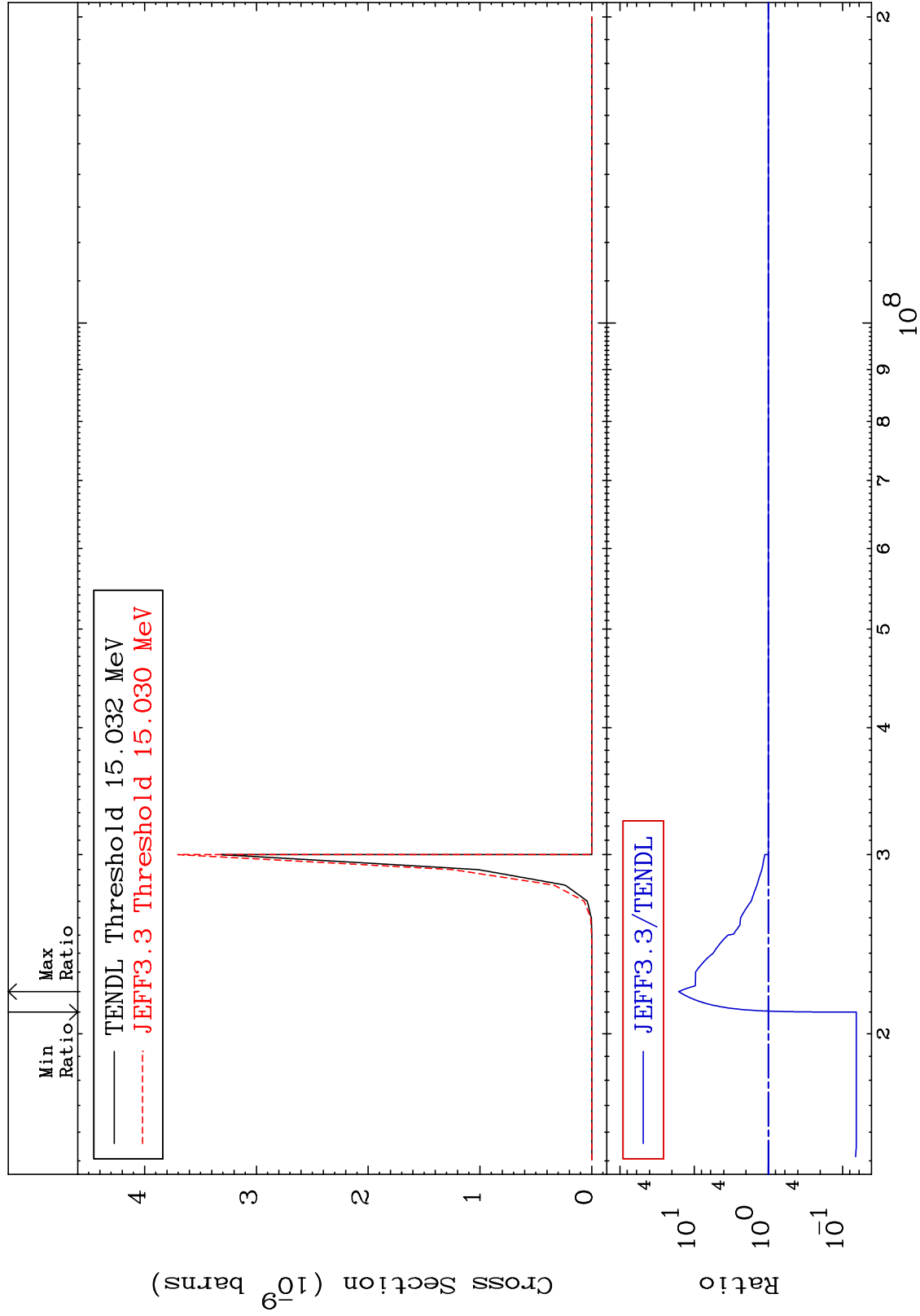
MAT 3843

(n,d) α

38-Sr-90

Cross Section

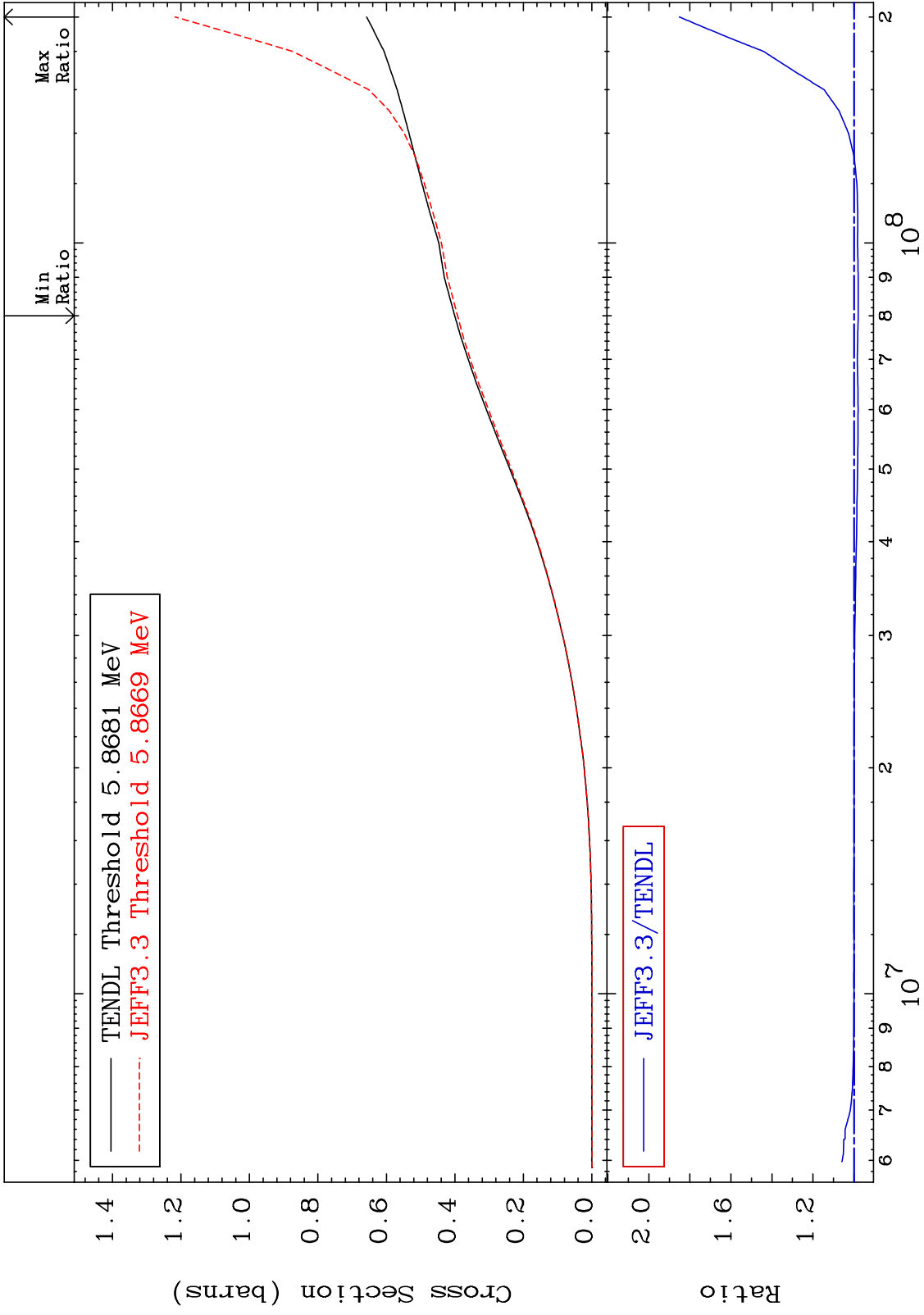
-93.47 To 1518. %



MAT 3843

Hydrogen Production
Cross Section

38-Sr-90
-2.079 To 85.13 %



62

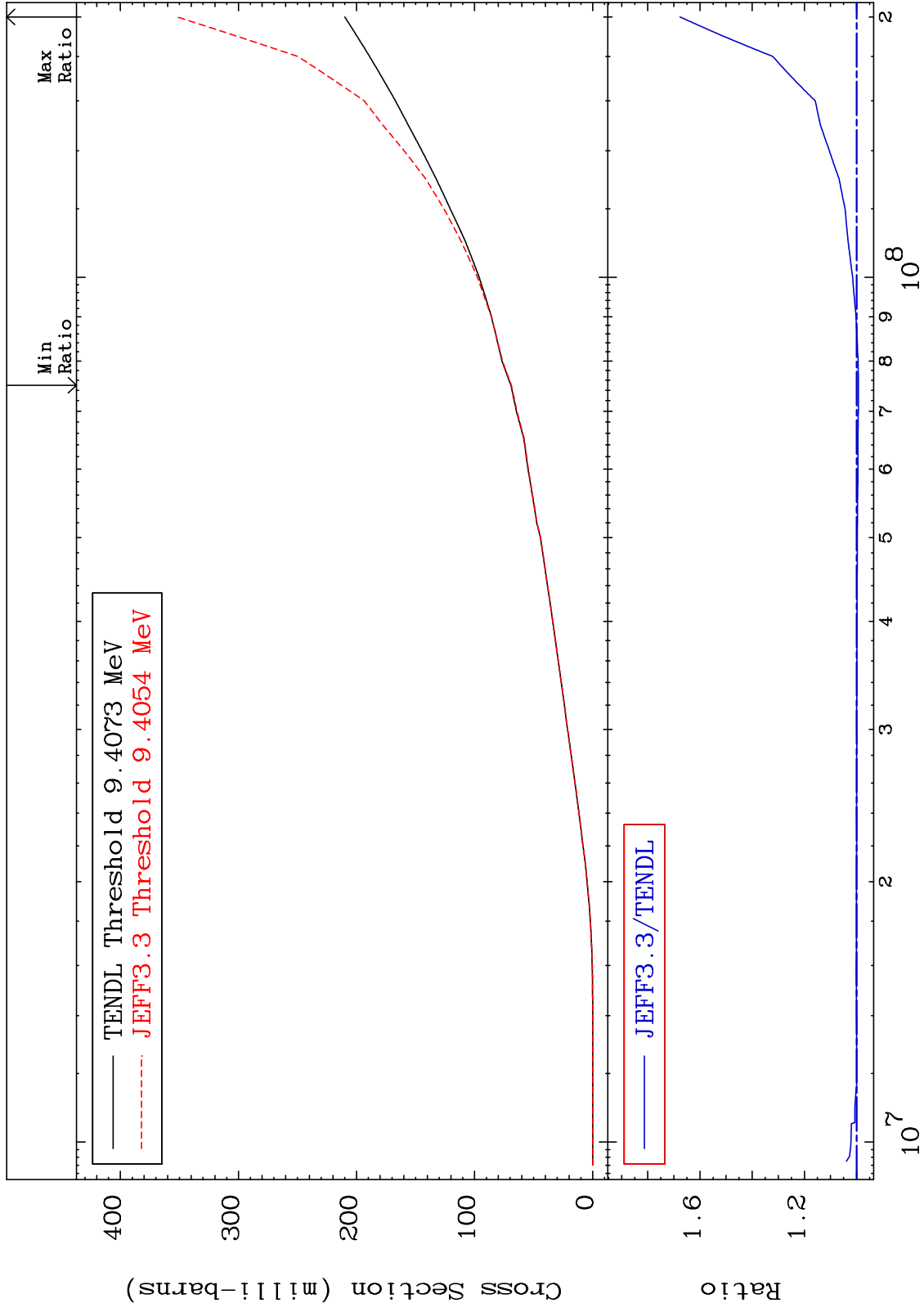
Incident Energy (eV)

38-Sr-90

MAT 3843

Deuterium Production
Cross Section

38-Sr-90
-0.687 To 67.64 %



63

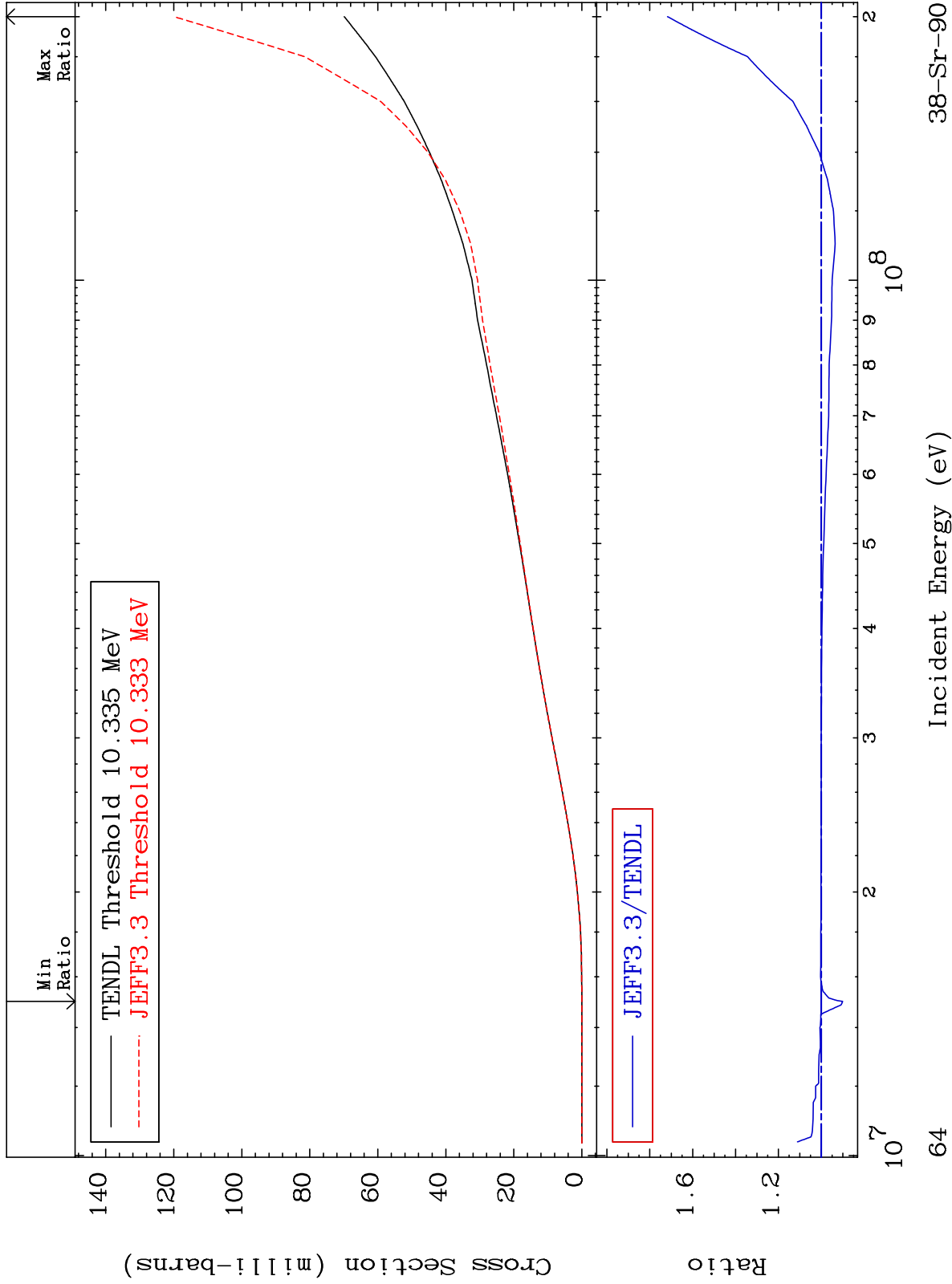
Incident Energy (eV)

38-Sr-90

MAT 3843

Tritium Production
Cross Section

$^{38}\text{Sr-90}$
-9.963 To 71.72 %



64

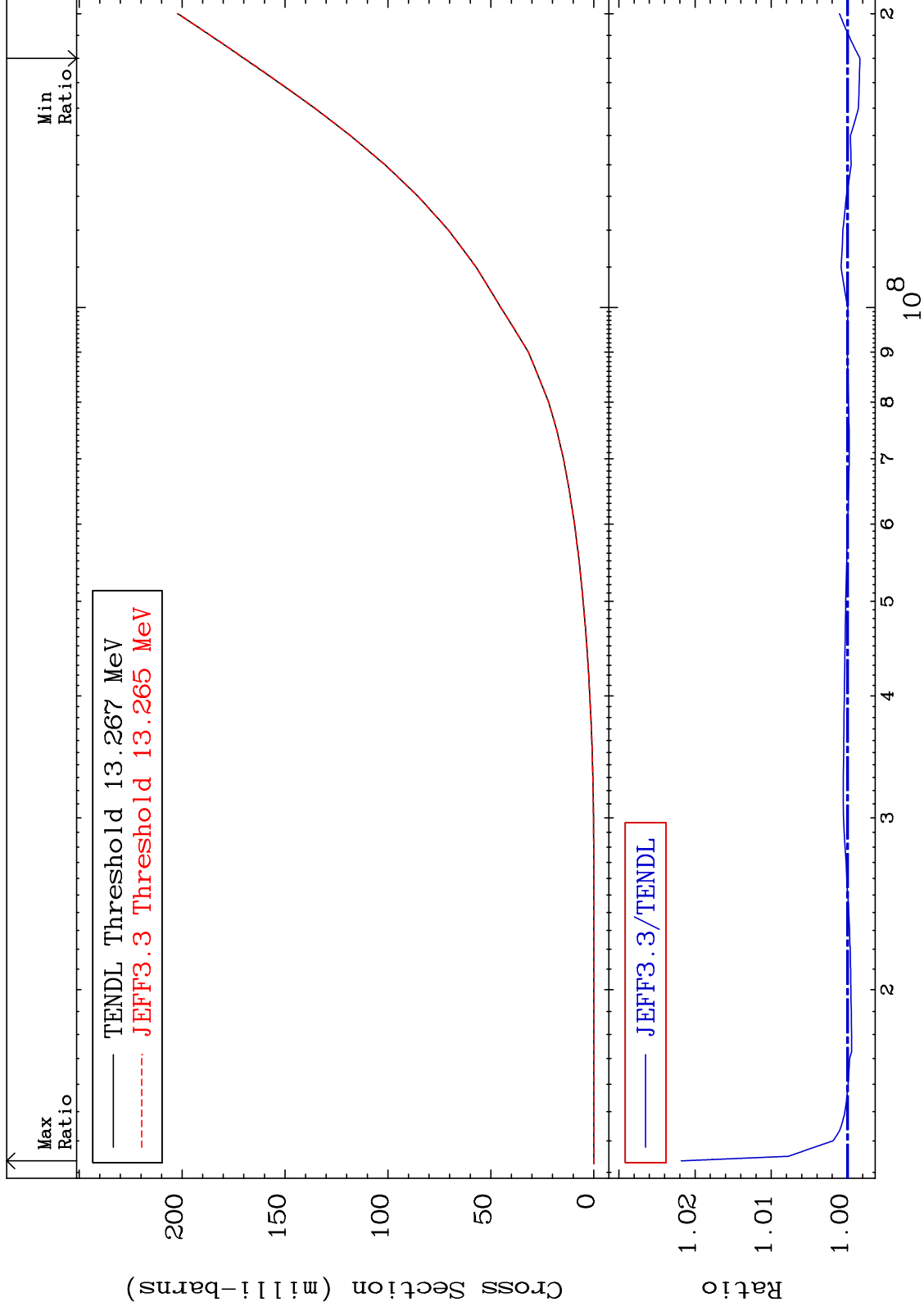
Incident Energy (eV)

$^{38}\text{Sr-90}$

MAT 3843

He-3 Production
Cross Section

38-Sr-90
-0.164 To 2.182 %



65

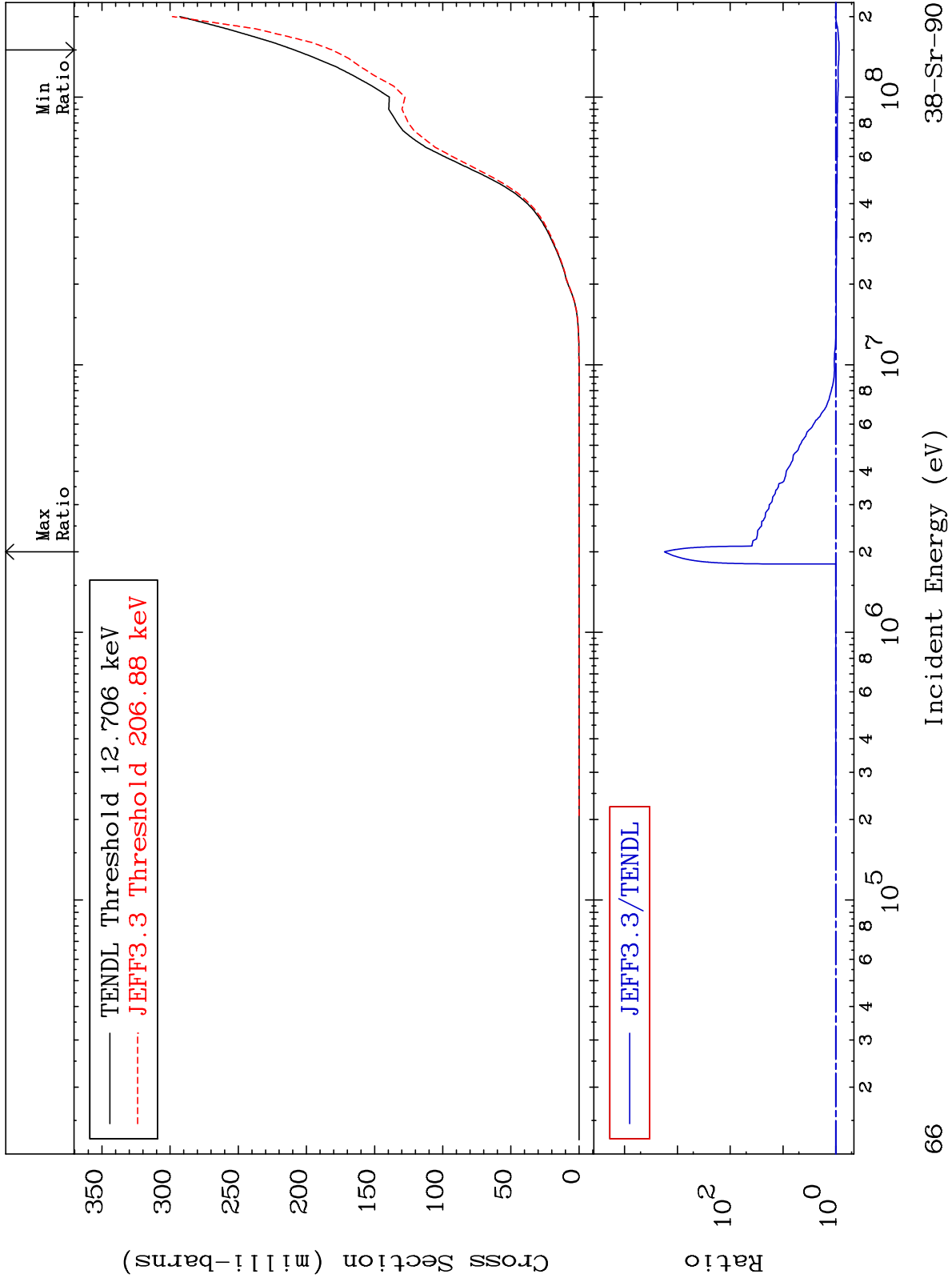
Incident Energy (eV)

38-Sr-90

MAT 3843

He-4 Production
Cross Section

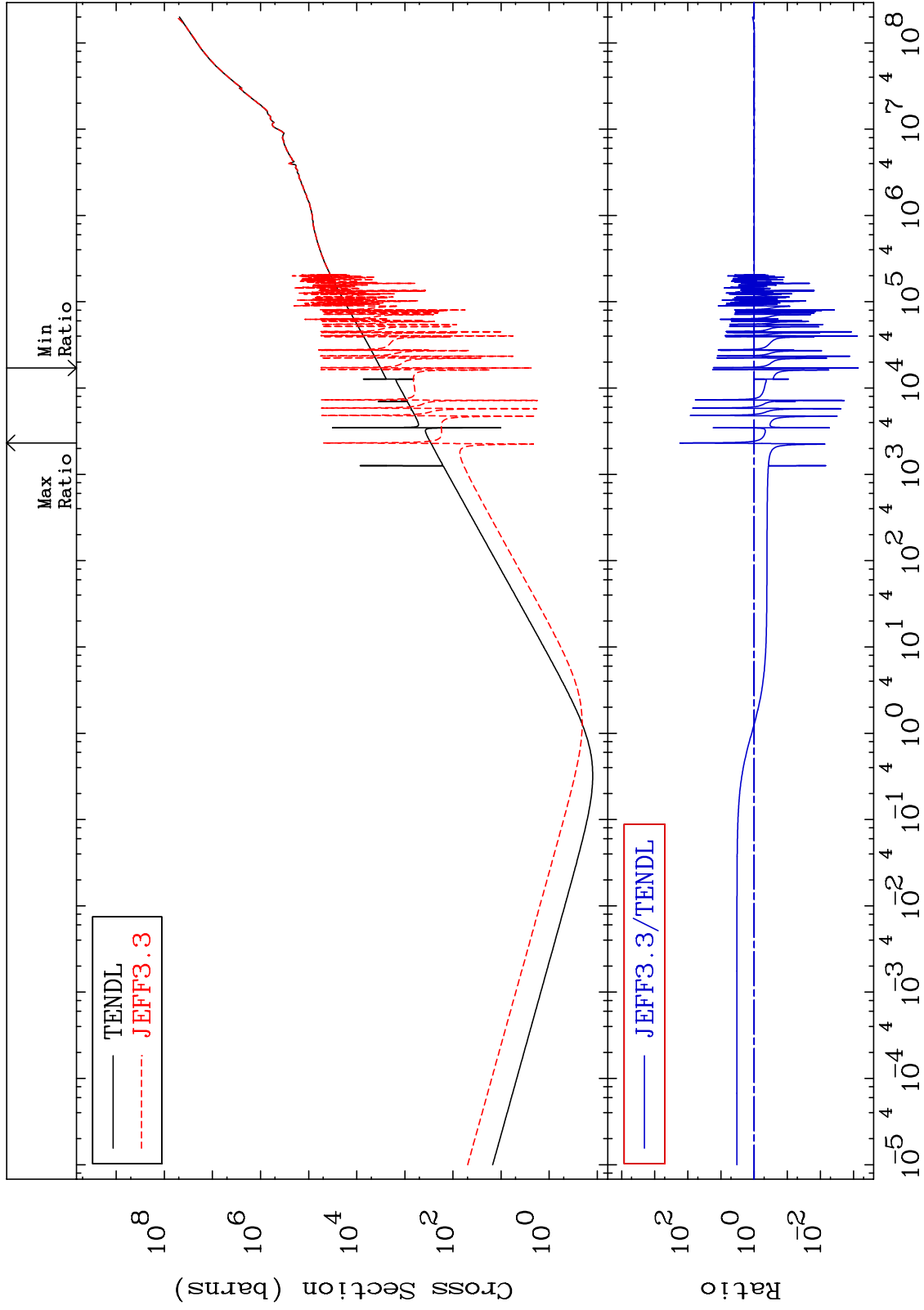
38-Sr-90
-13.21 To 9999. %



MAT 3843

Kerma total (eV-barns)
Cross Section

38-Sr-90
-99.93 To 9999. %



67

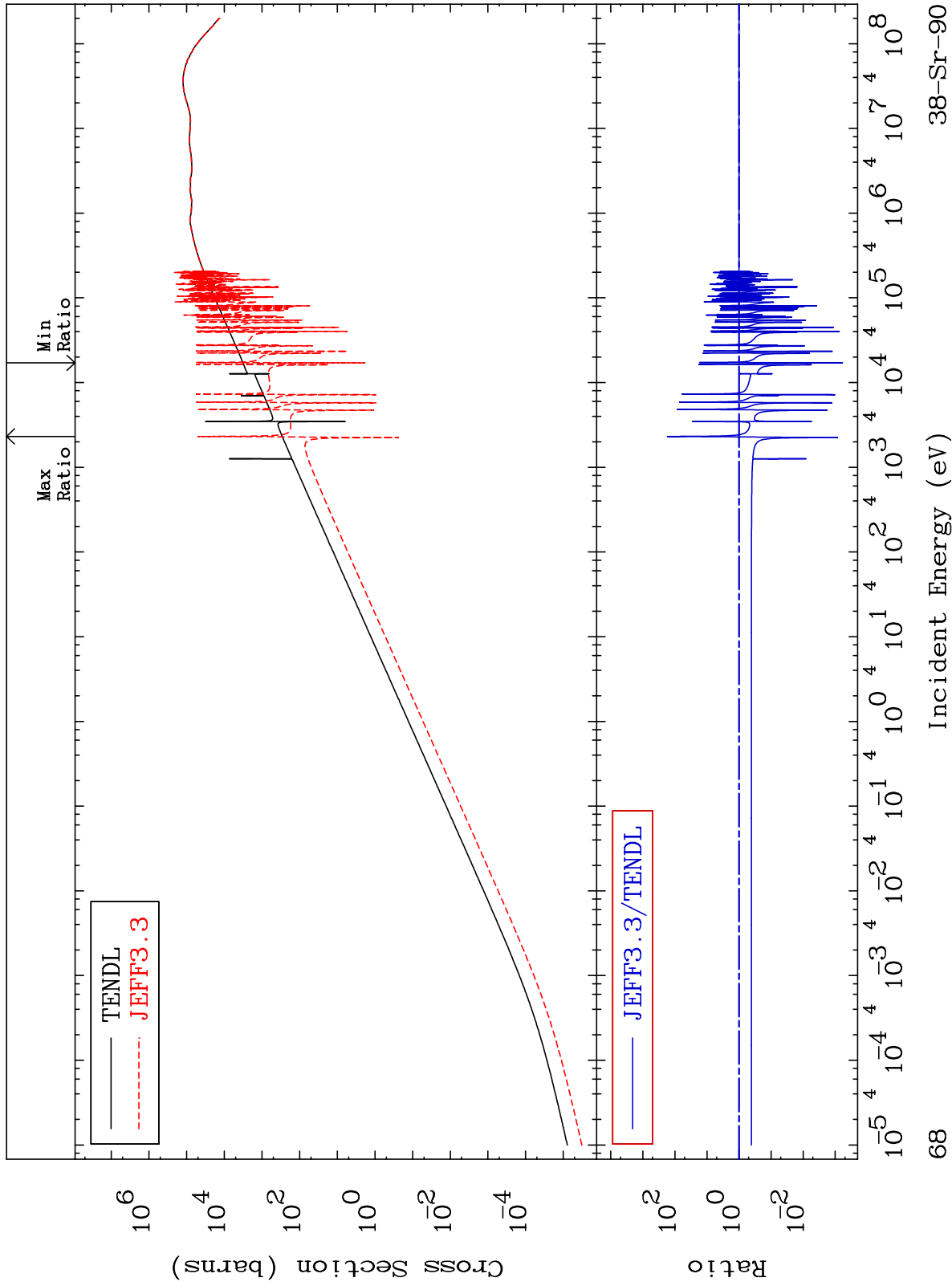
Incident Energy (eV)

38-Sr-90

MAT 3843

Kerma elastic
Cross Section

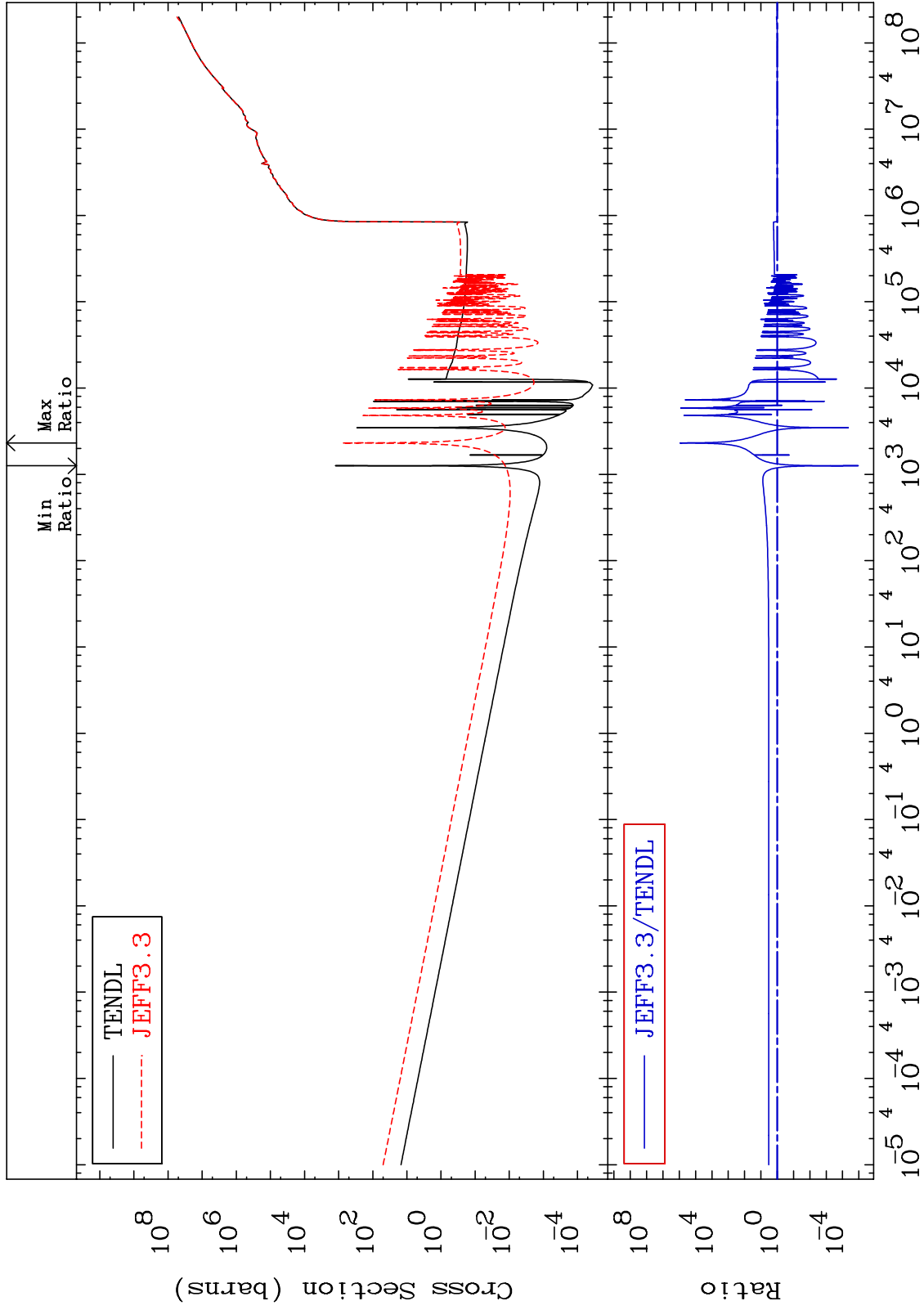
38-Sr-90
-99.94 To 9999. %



MAT 3843

Kerma non-elastic (all but mt2)
Cross Section

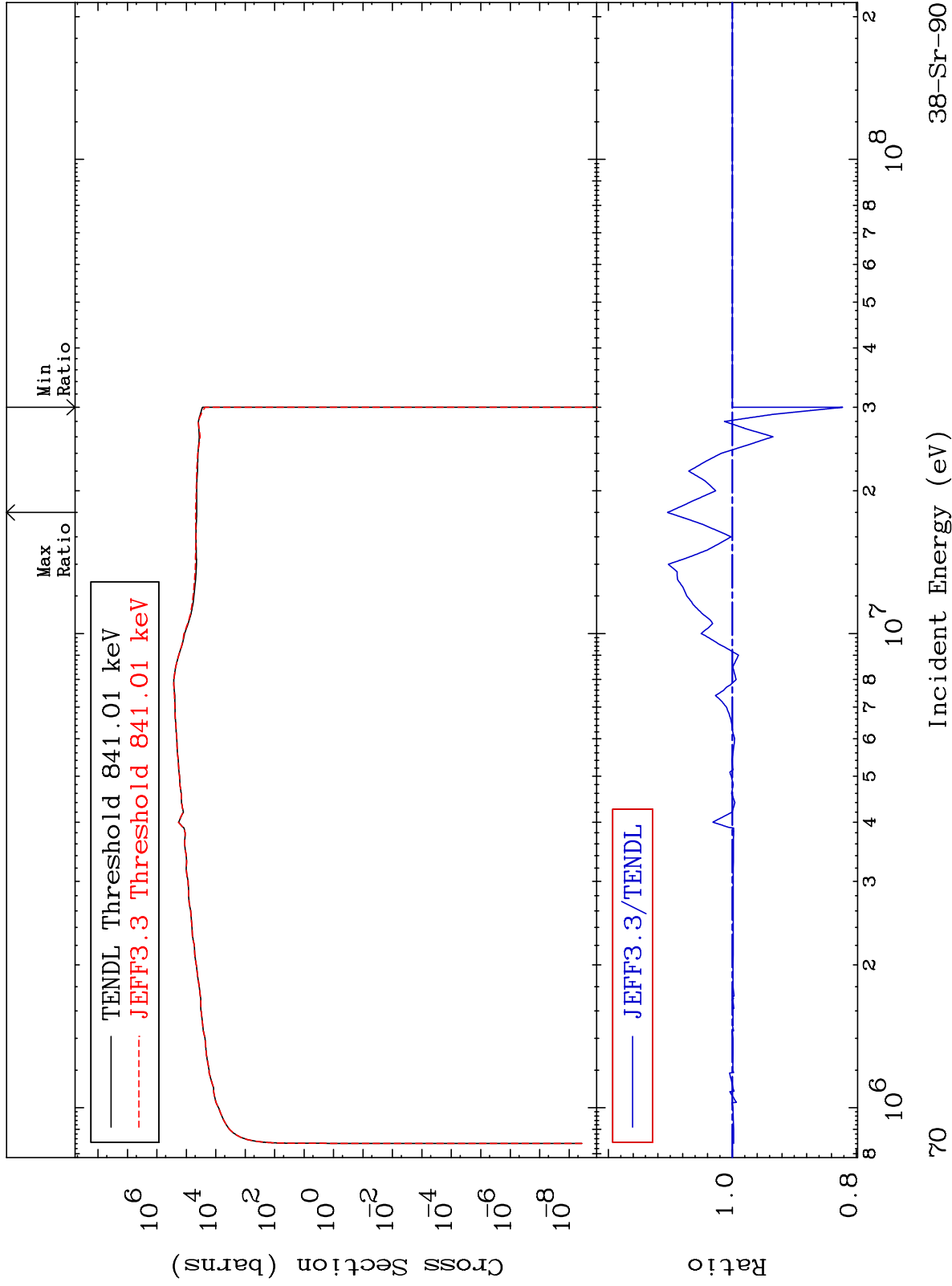
38-Sr-90
-100.0 To 9999. %



MAT 3843

Kerma inelastic (mt51-91)
Cross Section

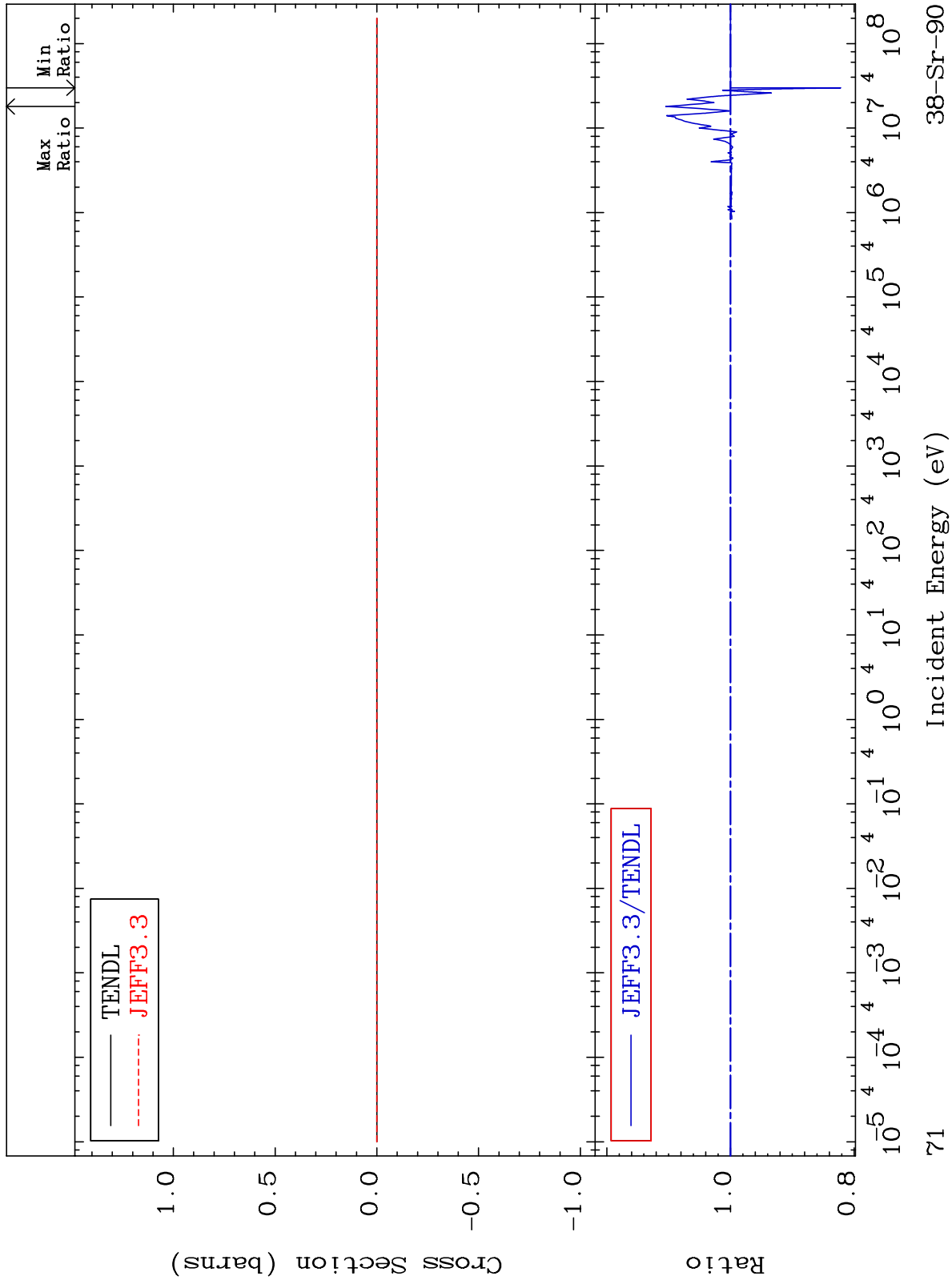
38-Sr-90
-17.80 To 10.45 %



MAT 3843

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

38-Sr-90
-17.80 To 10.45 %



71

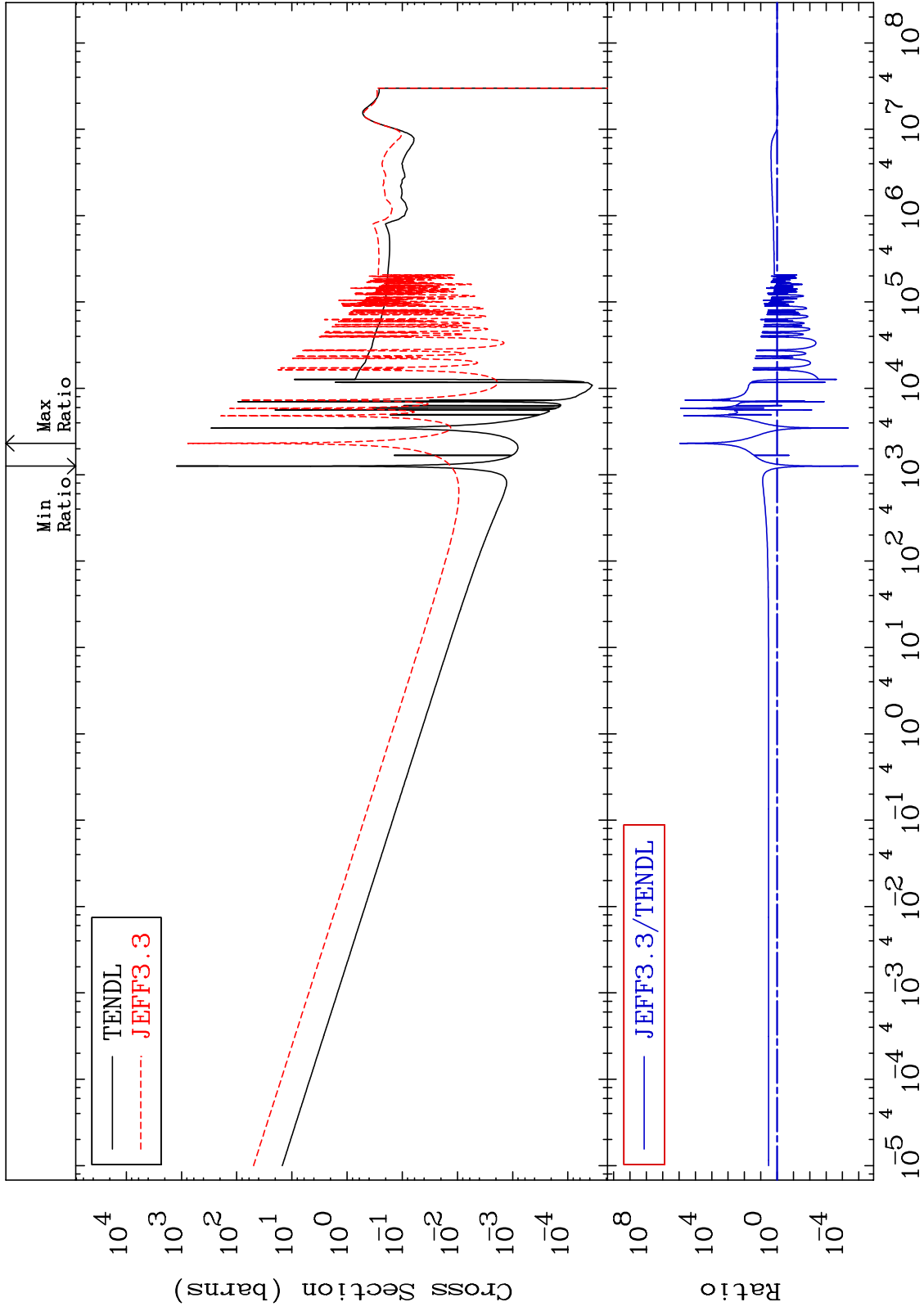
Incident Energy (eV)

38-Sr-90

MAT 3843

Kerma capture (mt102)
Cross Section

38-Sr-90
-100.0 To 9999. %



72

Incident Energy (eV)

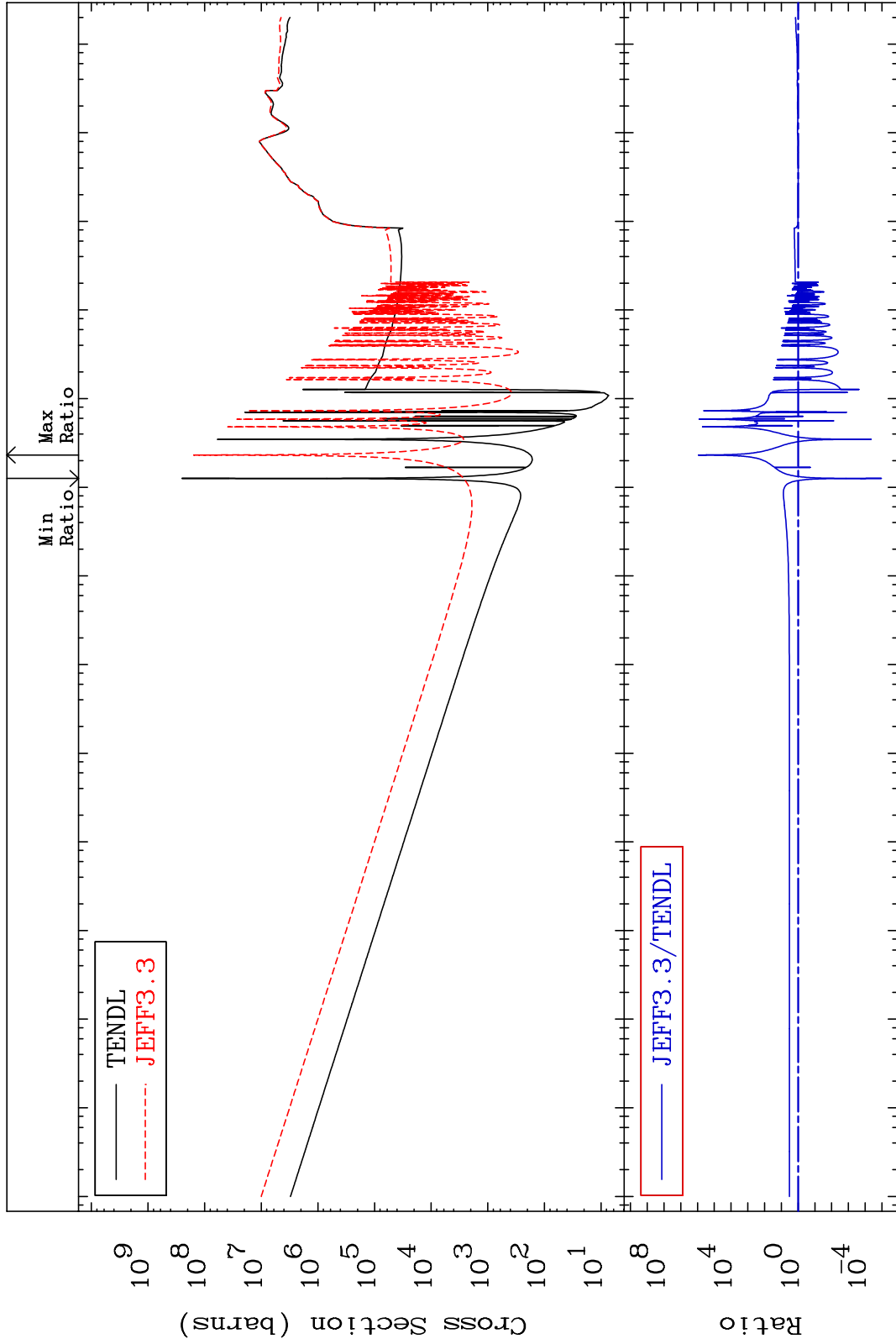
38-Sr-90

MAT 3843

Total photon (eV-barns)
Cross Section

38-Sr-90

-100.0 To 9999. %



Incident Energy (eV)

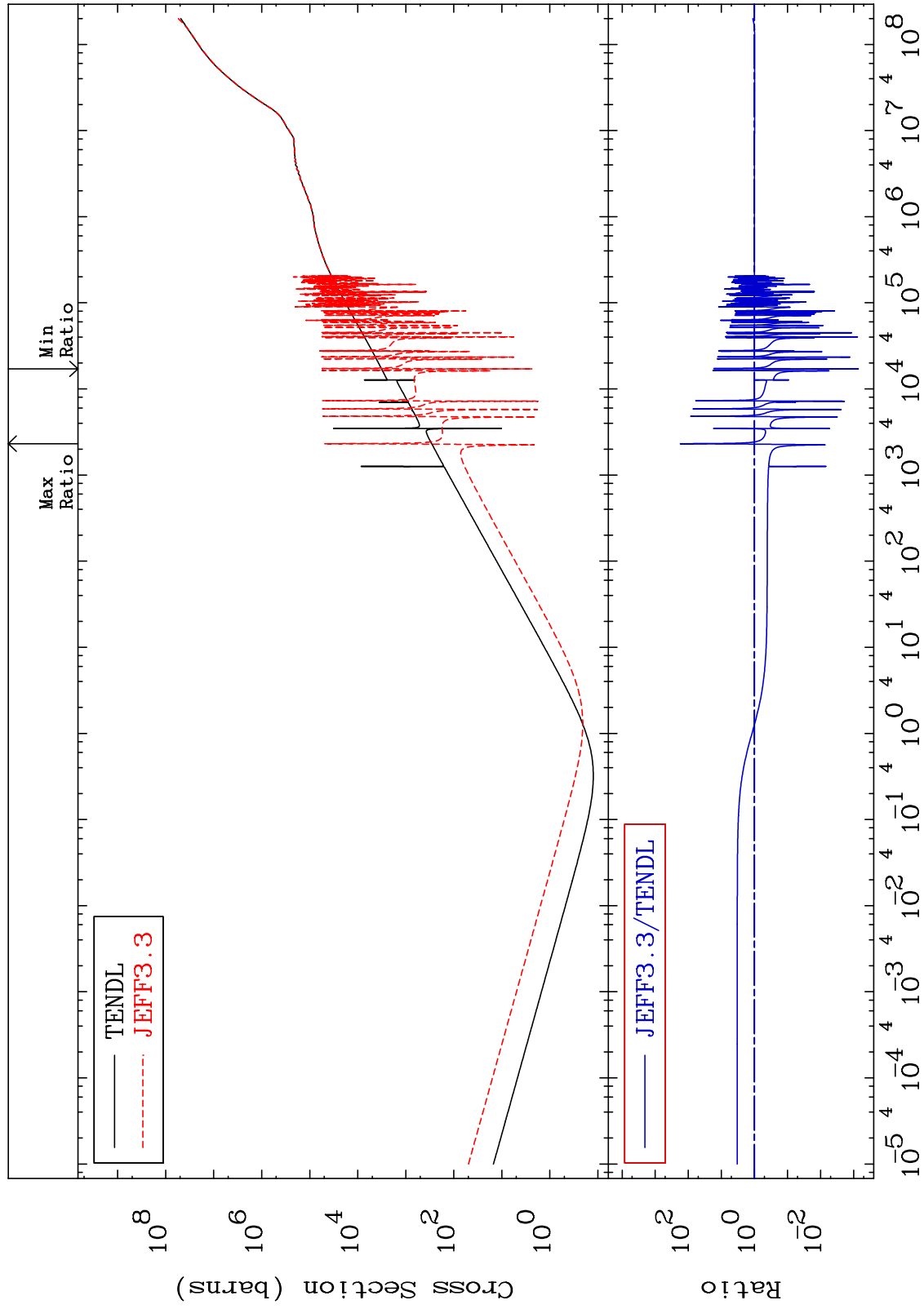
38-Sr-90

73

MAT 3843

Total kinematic kerma (high limit)
Cross Section

38-Sr-90
-99.93 To 9999. %



74

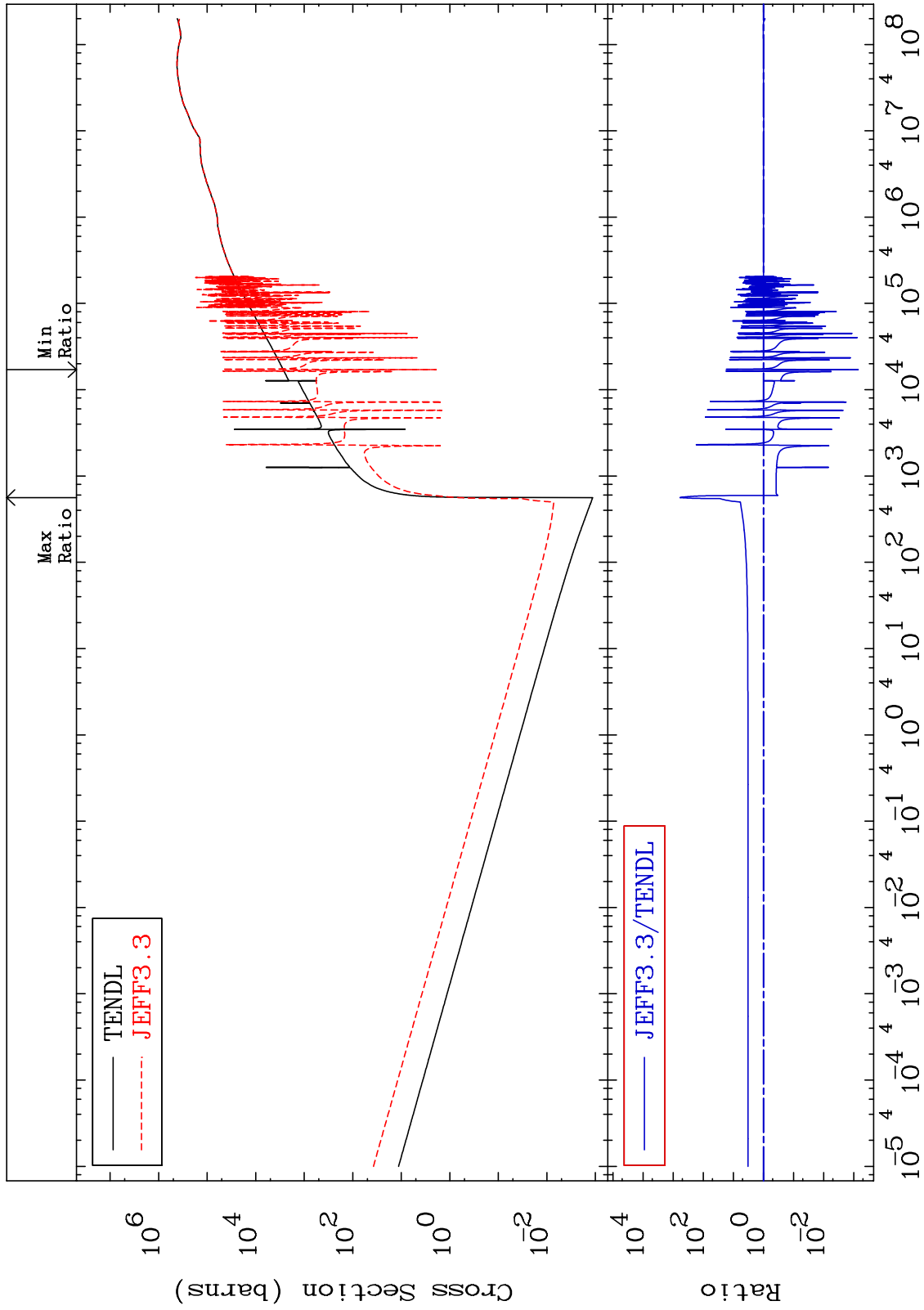
Incident Energy (eV)

38-Sr-90

MAT 3843

Dpa total (eV-barns)
Cross Section

38-Sr-90
-99.93 To 9999. %



75

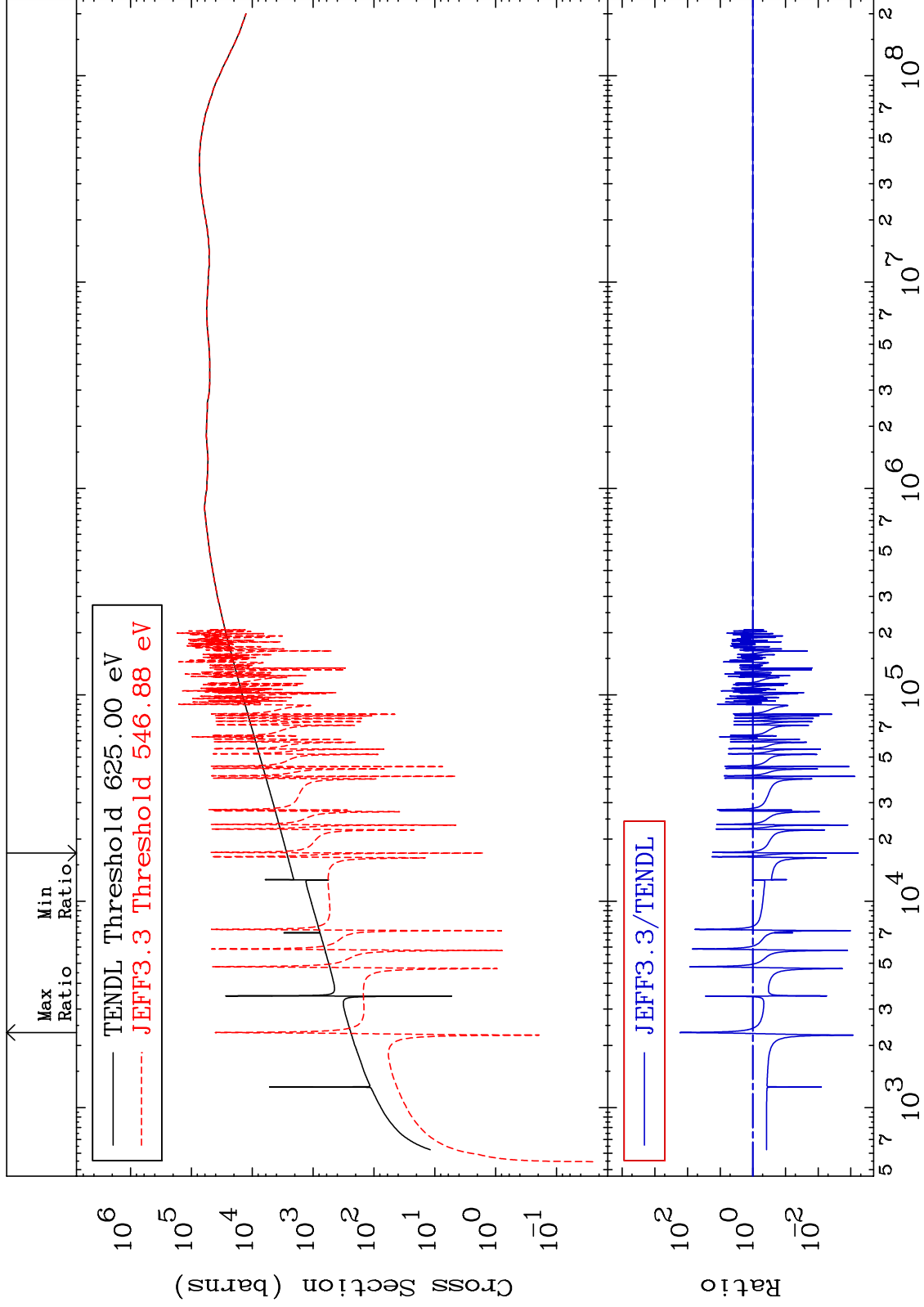
Incident Energy (eV)

38-Sr-90

MAT 3843

Dpa elastic (mt2)
Cross Section

38-Sr-90
-99.94 To 9999. %



76

Incident Energy (eV)

38-Sr-90

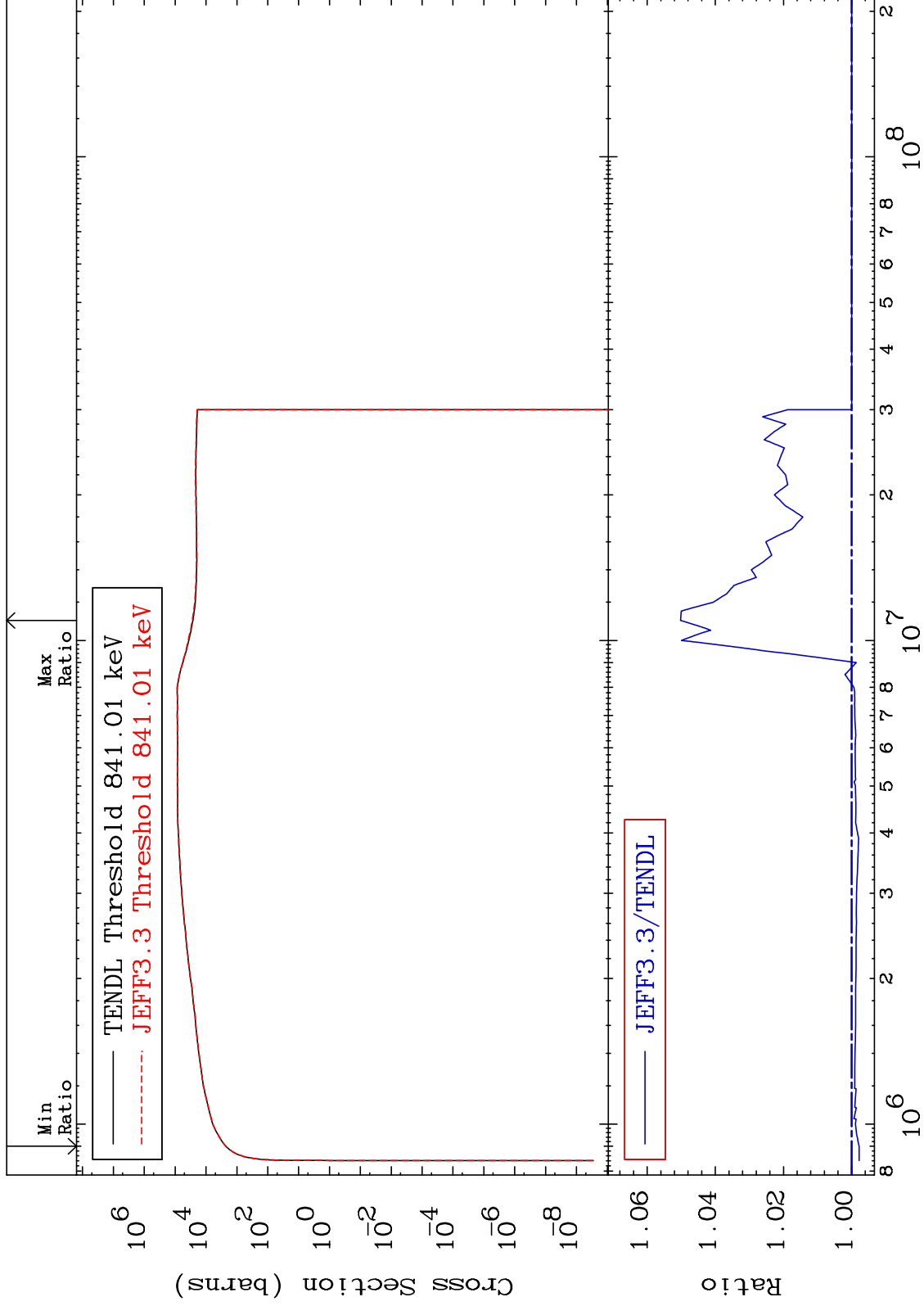
MAT 3843

Dpa inelastic (mt51-91)

38-Sr-90

Cross Section

-0.220 To 5.019 %



77

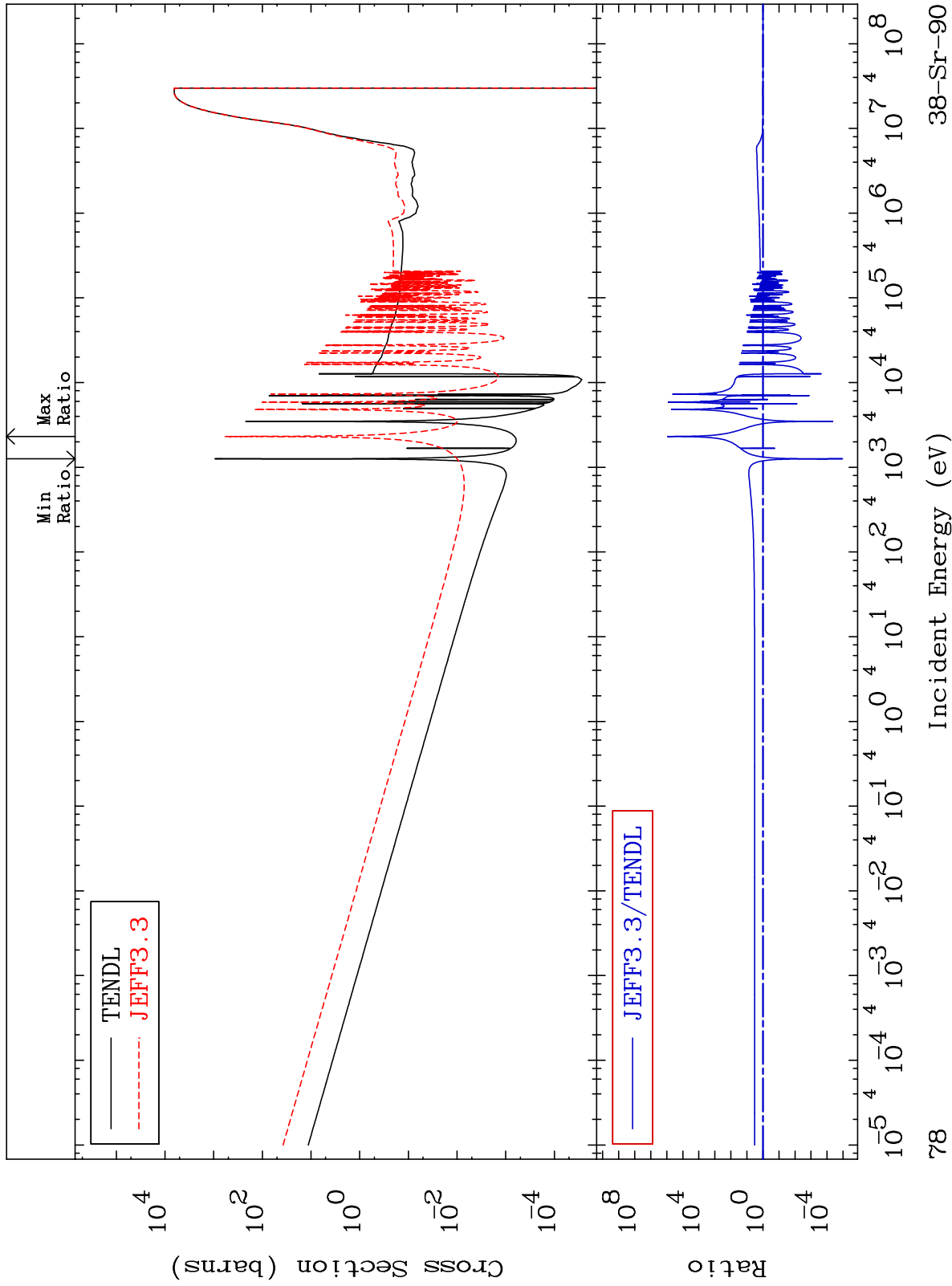
Incident Energy (eV)

38-Sr-90

MAT 3843

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-90
-100.0 To 9999. %



78

Incident Energy (eV)

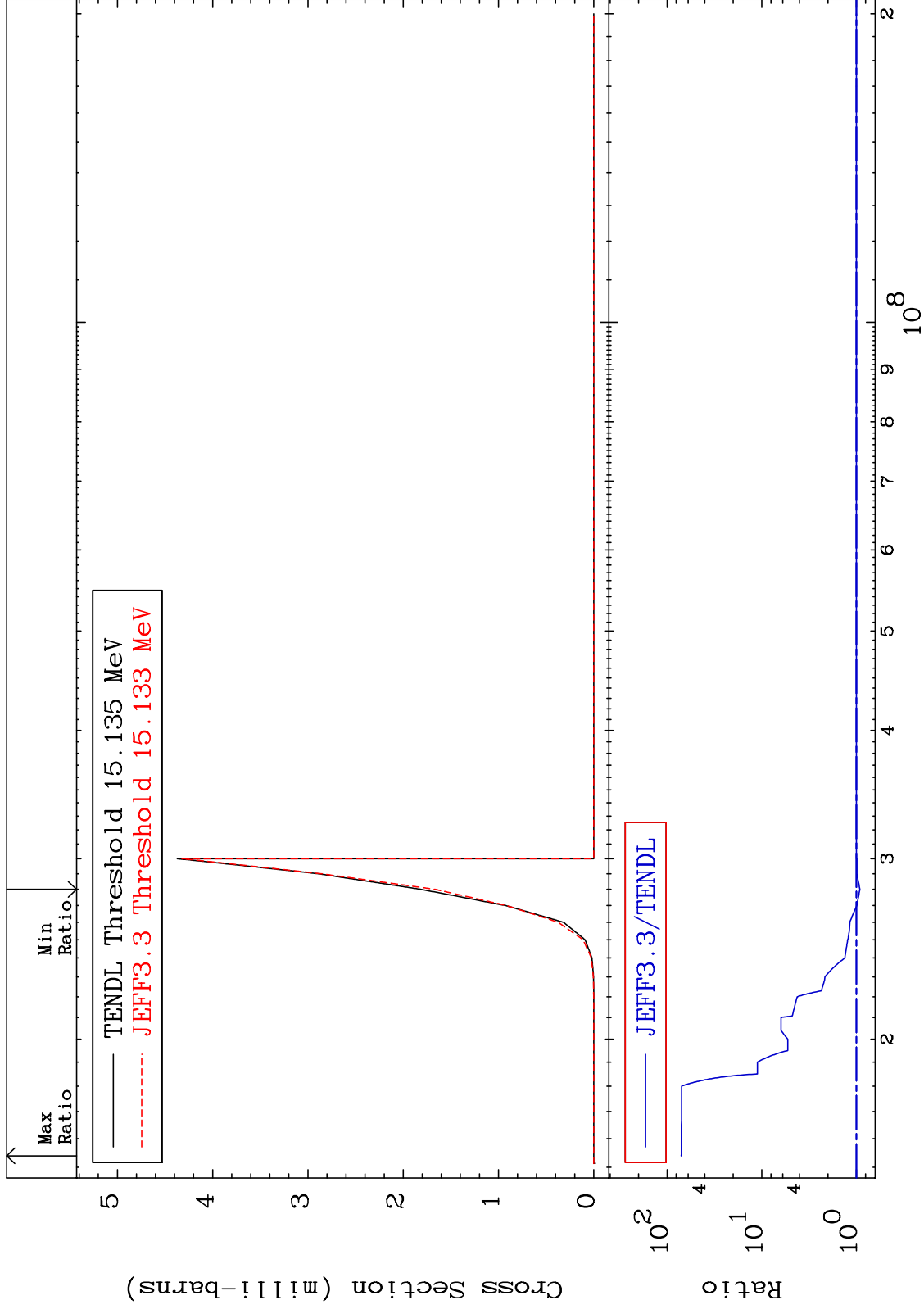
38-Sr-90

MAT 3843

(n,2n) α :36-Kr-85g

38-Sr-90

Radionuclide Production Cross Section -8.258 To 6986. %

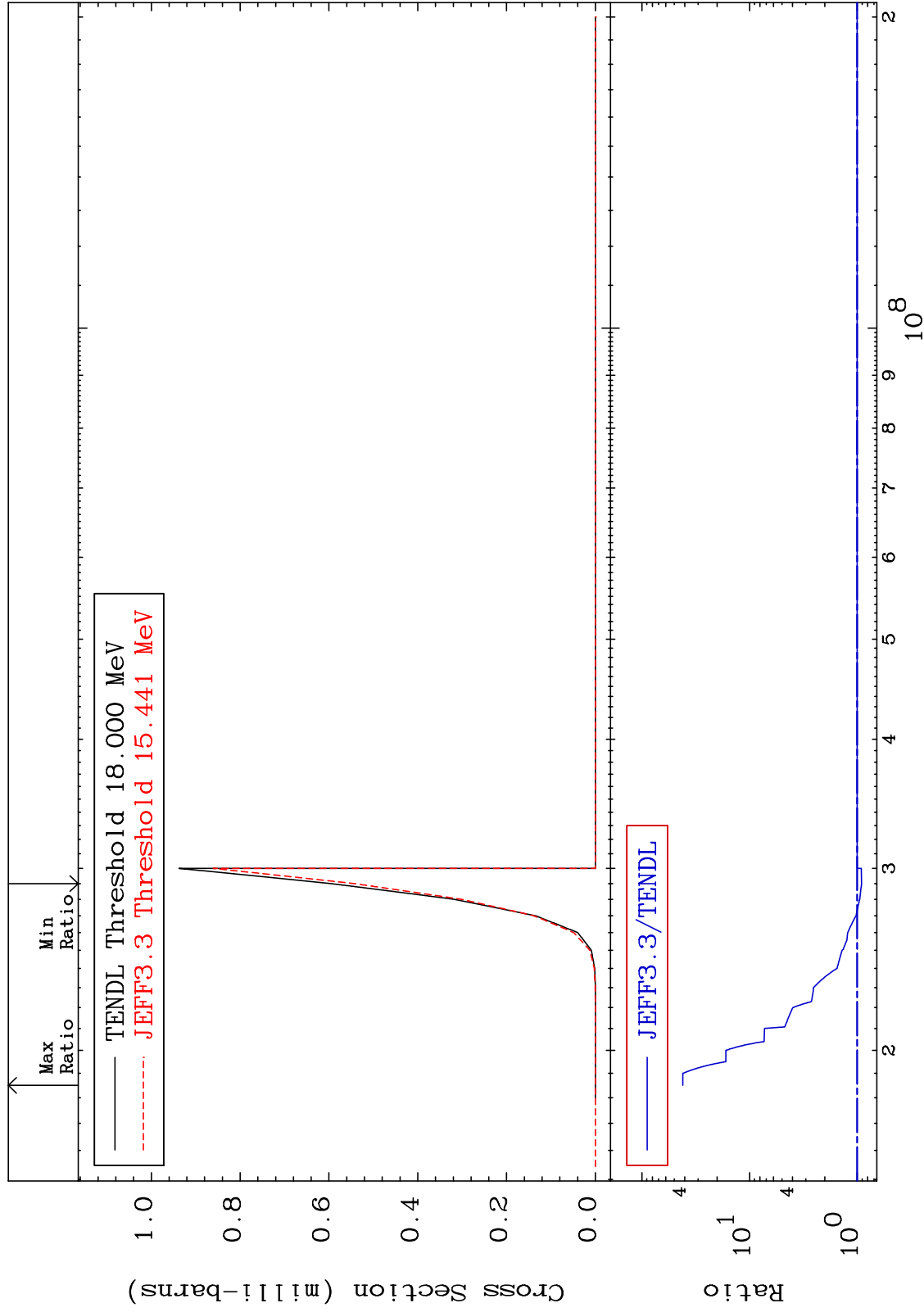


MAT 3843

(n,2n) α :36-Kr-85m1

38-Sr-90

Radionuclide Production Cross Section -8.842 To 4064. %



80

Incident Energy (eV)

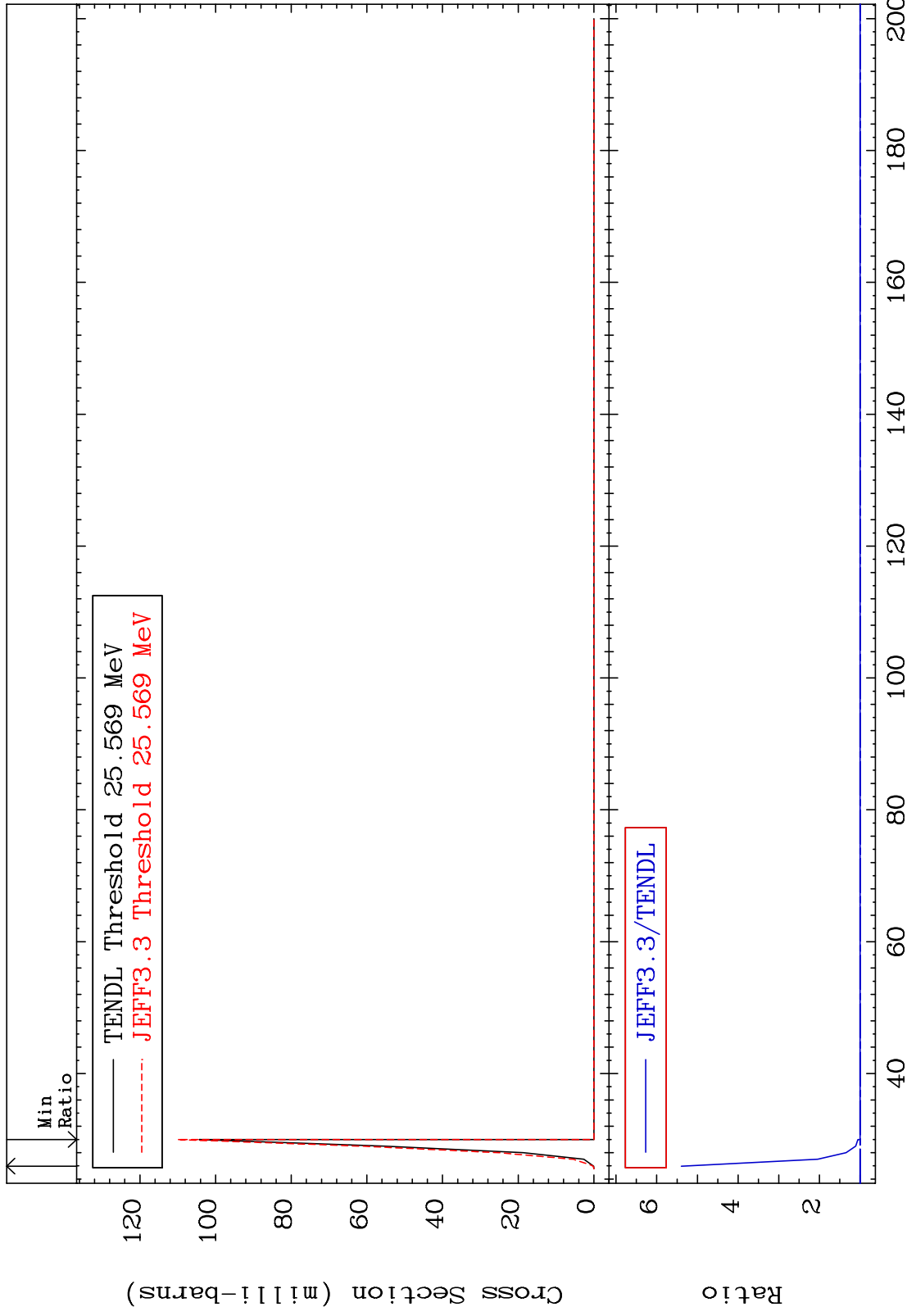
38-Sr-90

MAT 3843

(n,4n):38-Sr-87g

38-Sr-90

Radionuclide Production Cross Section 0.000 To 439.4 %

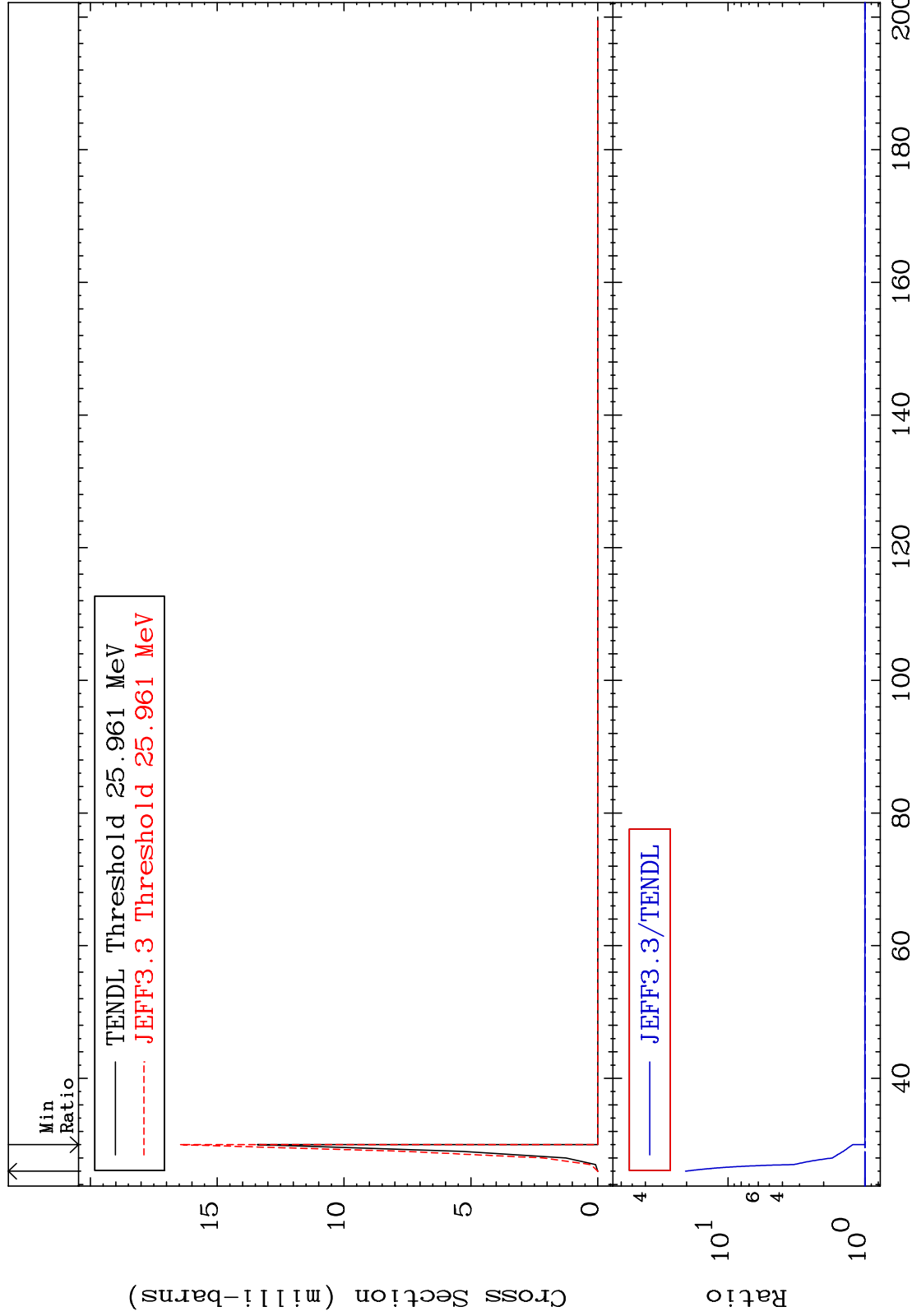


MAT 3843

(n,4n):38-Sr-87m1

38-Sr-90

Radionuclide Production Cross Section 0.000 To 1938. %



82

38-Sr-90

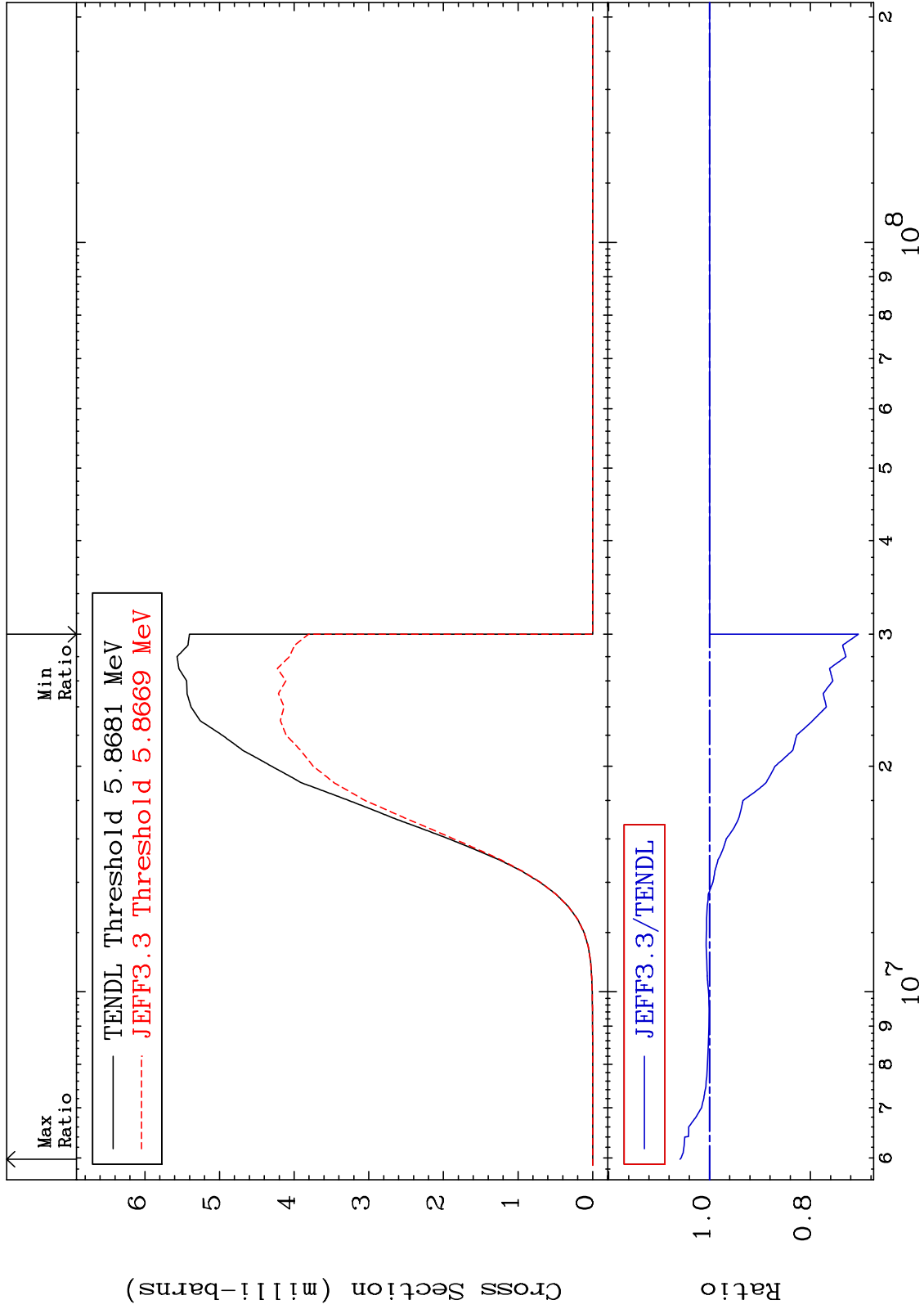
MAT 3843

(n, p) : 37-Rb-90g

38-Sr-90

Radionuclide Production Cross Section

-29.52 To 5.846 %

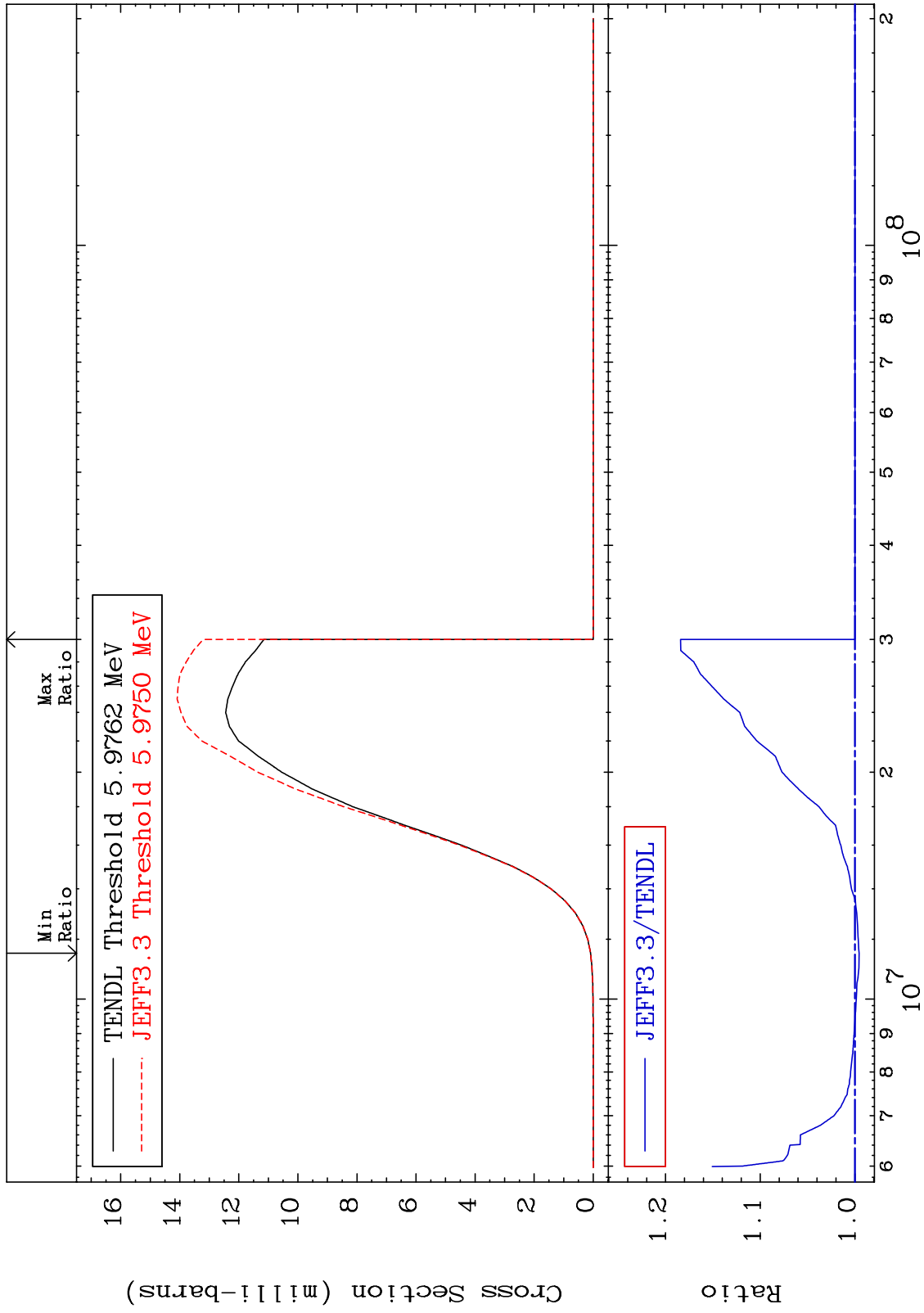


MAT 3843

(n, p): 37-Rb-90m1

38-Sr-90

Radionuclide Production Cross Section -0.455 To 18.41 %

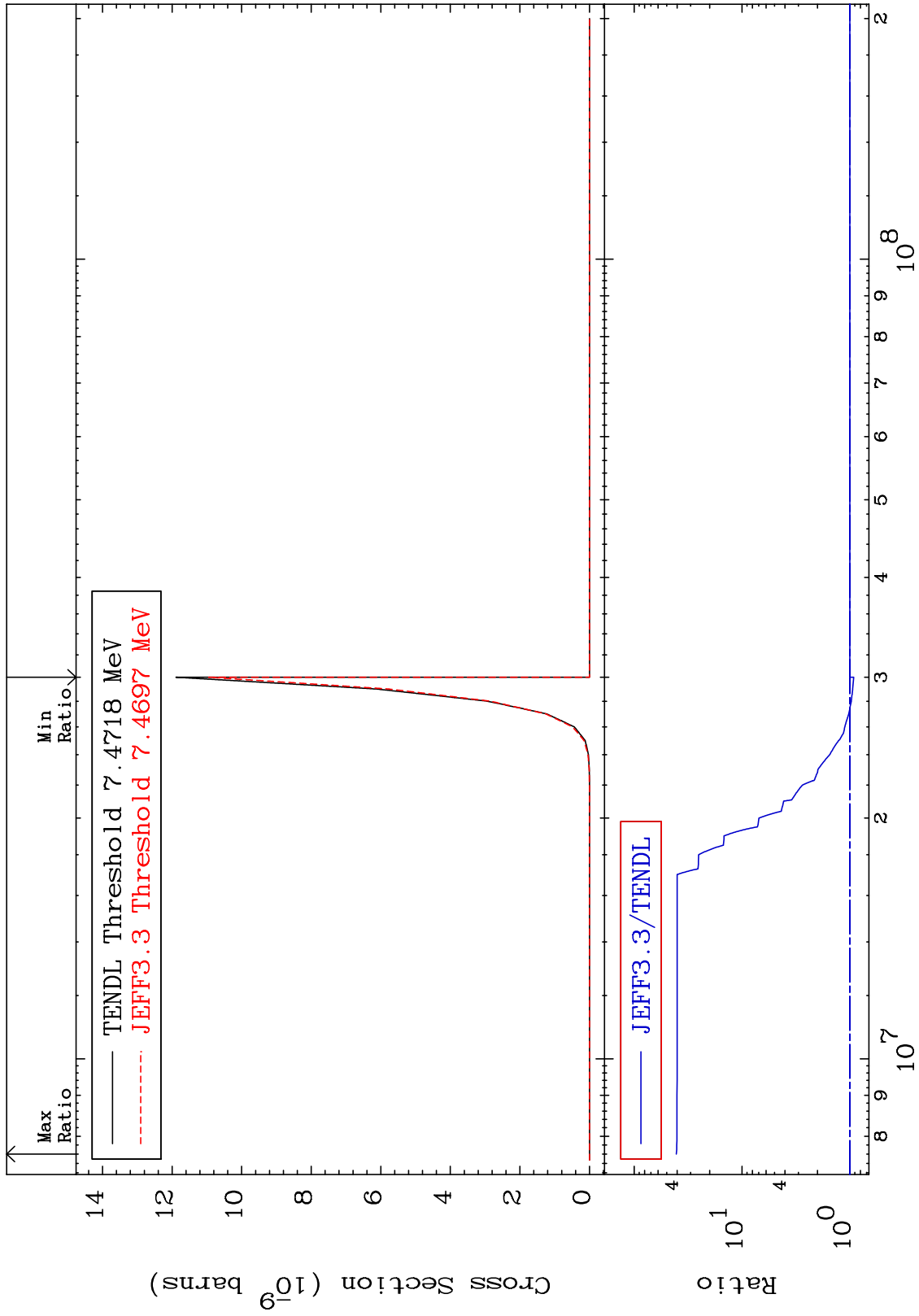


MAT 3843

(n,2α):34-Se-83g

38-Sr-90

Radionuclide Production Cross Section -7.900 To 3969. %



85

Incident Energy (eV)

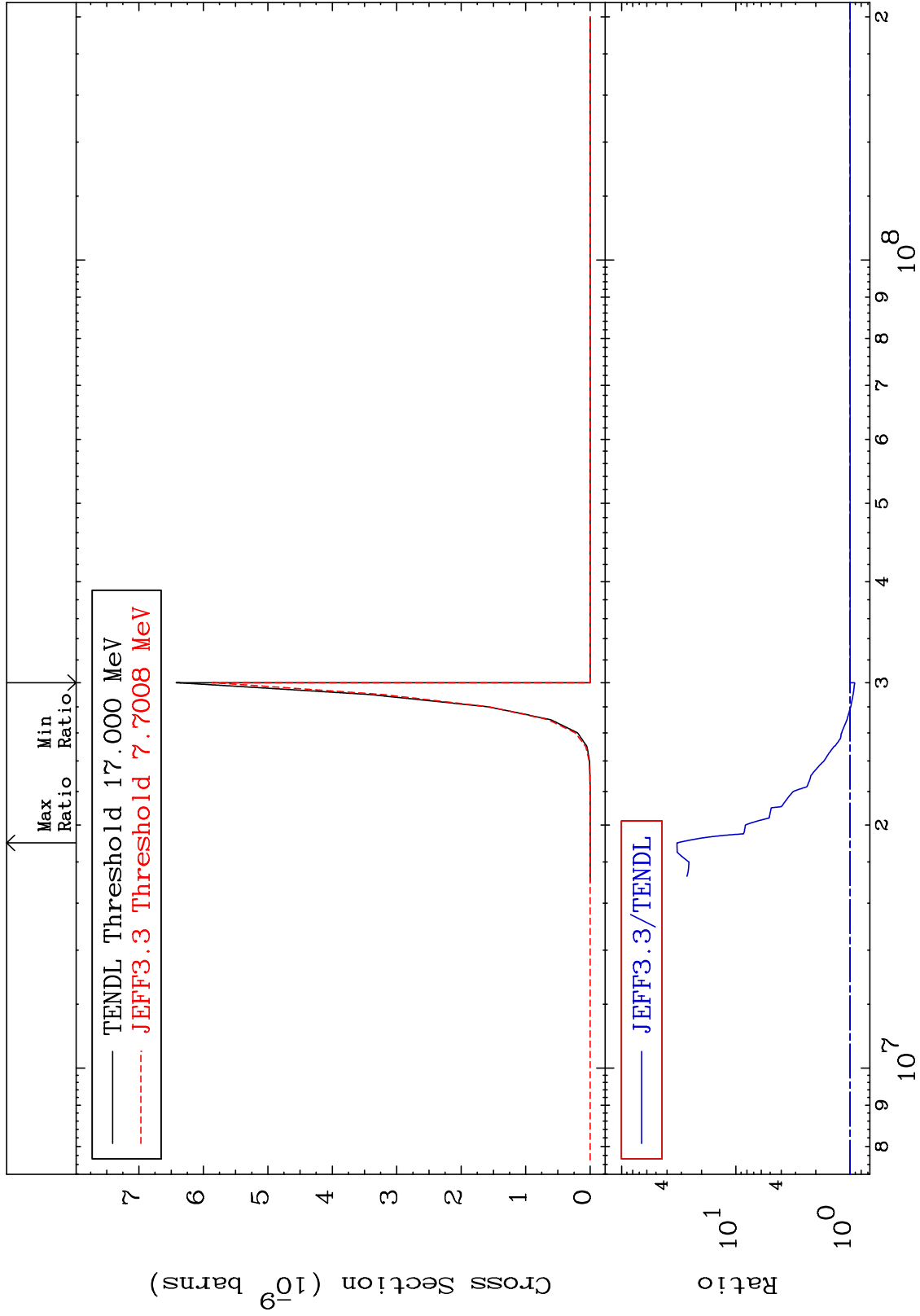
38-Sr-90

MAT 3843

(n,2α):34-Se-83m1

38-Sr-90

Radionuclide Production Cross Section -8.745 To 3168. %



86

38-Sr-90

38-Sr-90