

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

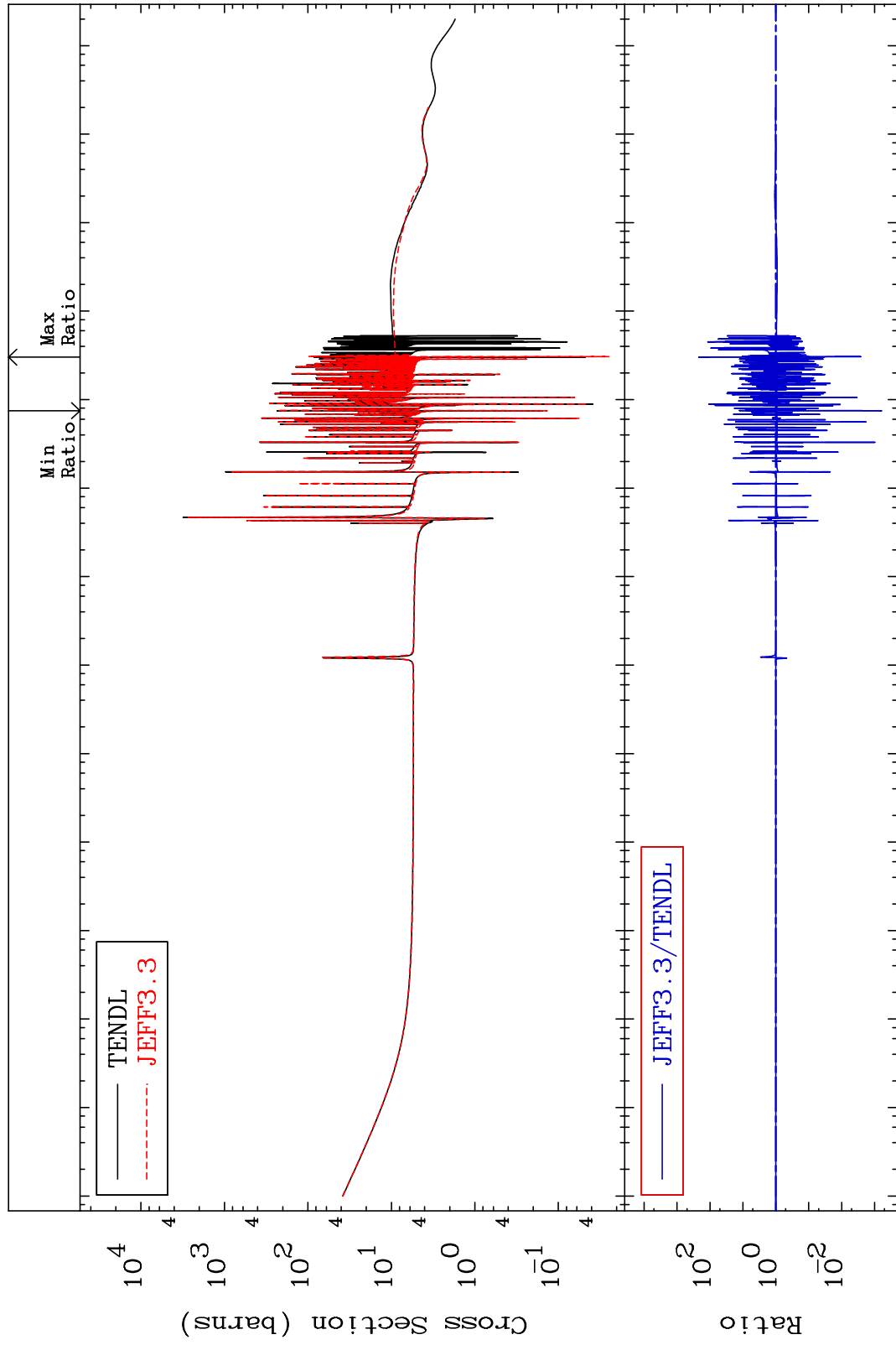
MAT 4243

Total

42-Mo-98

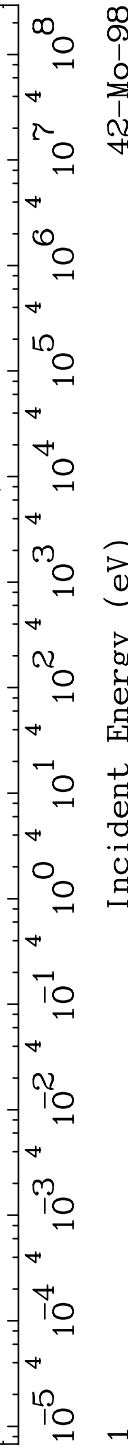
Cross Section

-99.94 To 9999. %



JEFF3.3/TENDL

Ratio

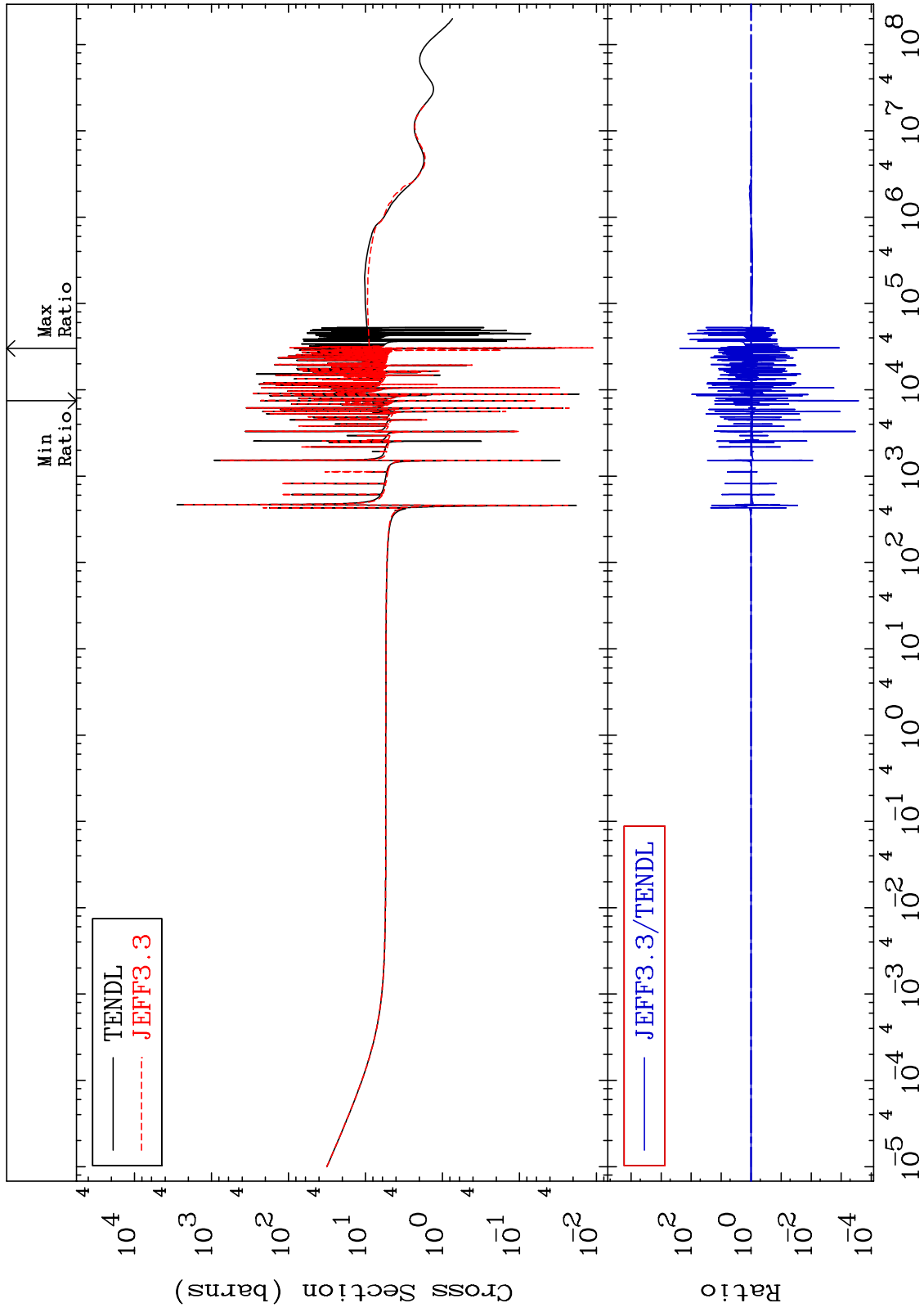


42-Mo-98

MAT 4243

Elastic
Cross Section

42-Mo-98
-99.97 To 9999. %



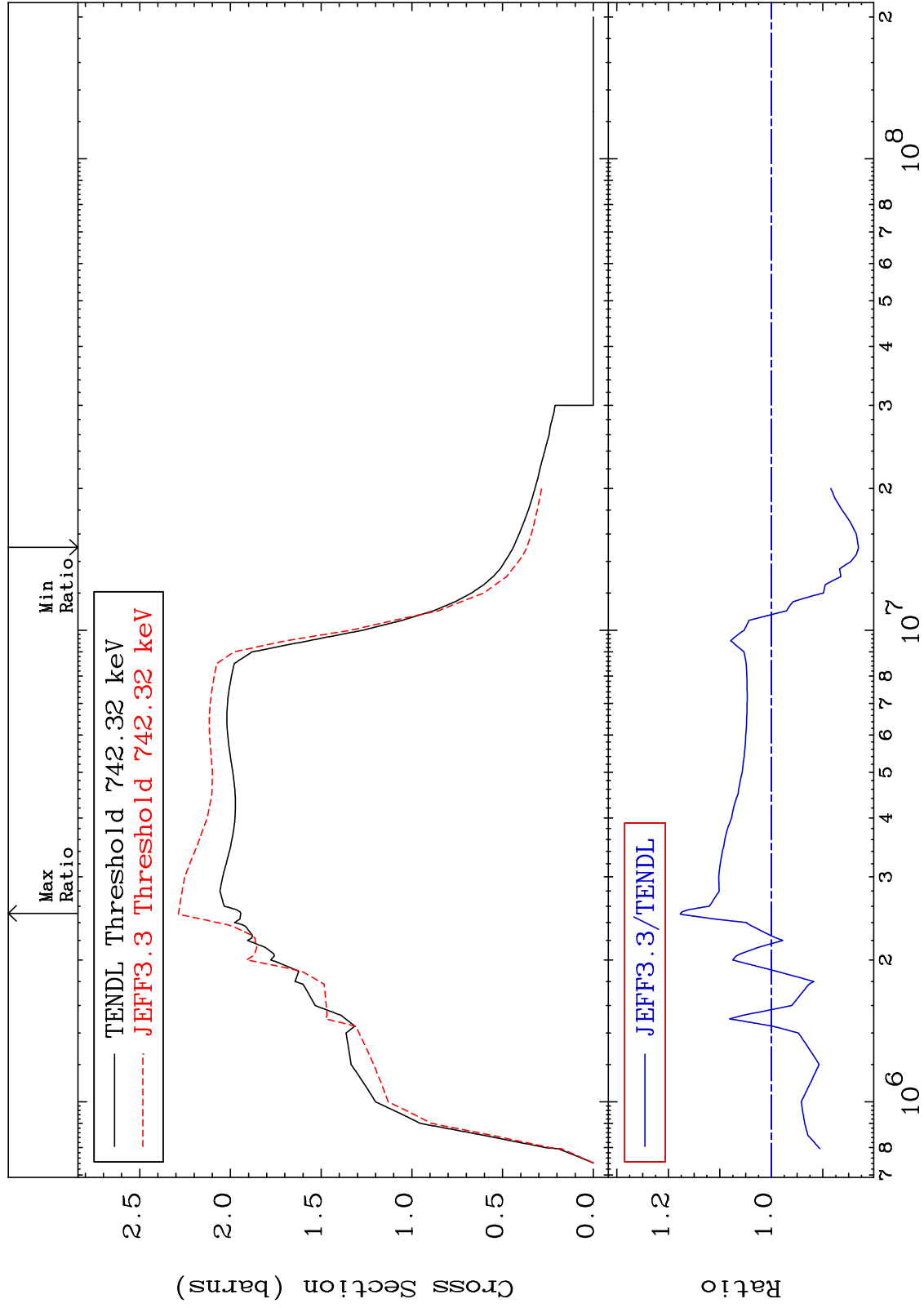
MAT 4243

Inelastic

42-Mo-98

Cross Section

-16.93 To 17.66 %



3

Incident Energy (eV)

42-Mo-98

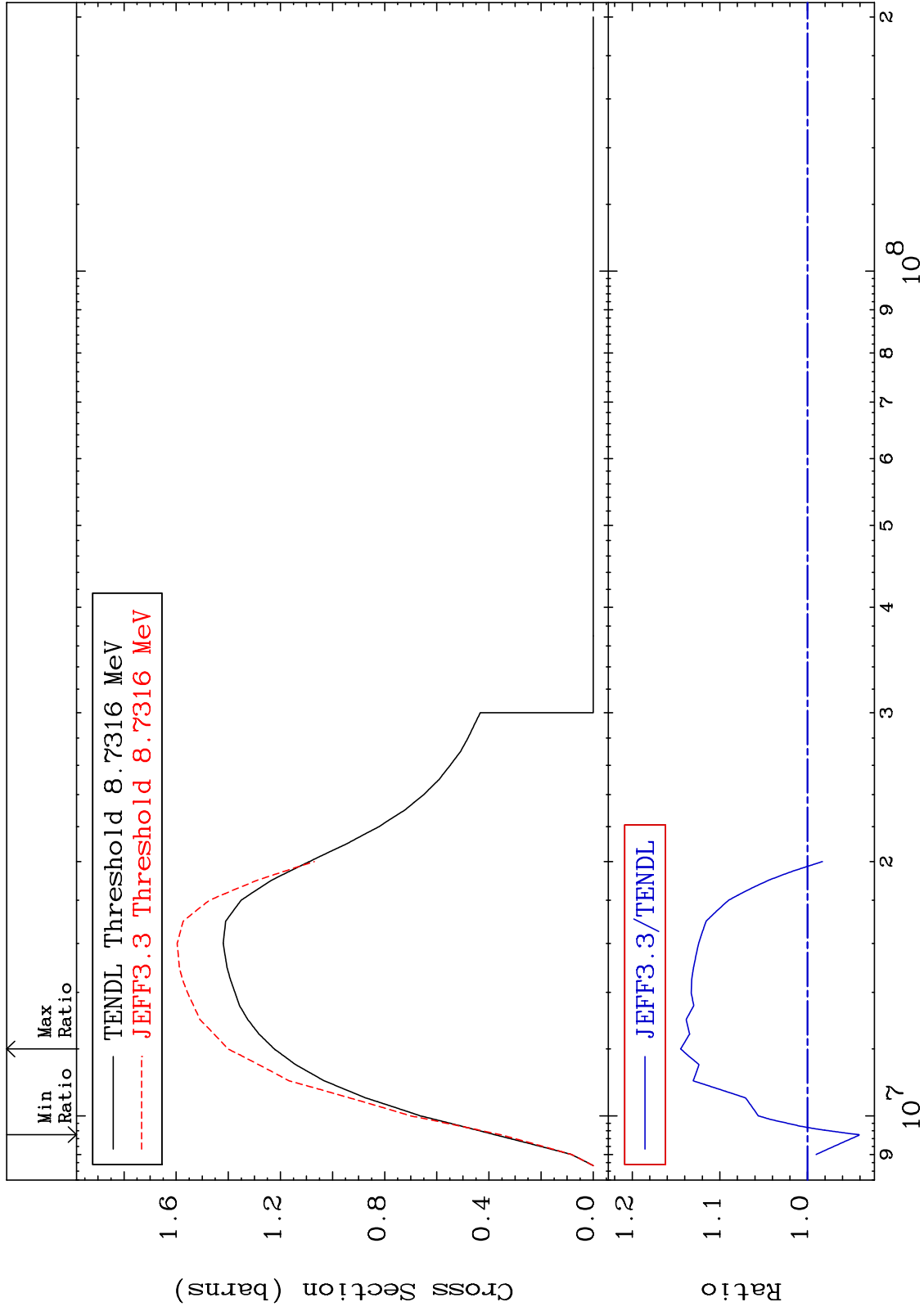
MAT 4243

(n,2n)

42-Mo-98

Cross Section

-5.903 To 14.48 %



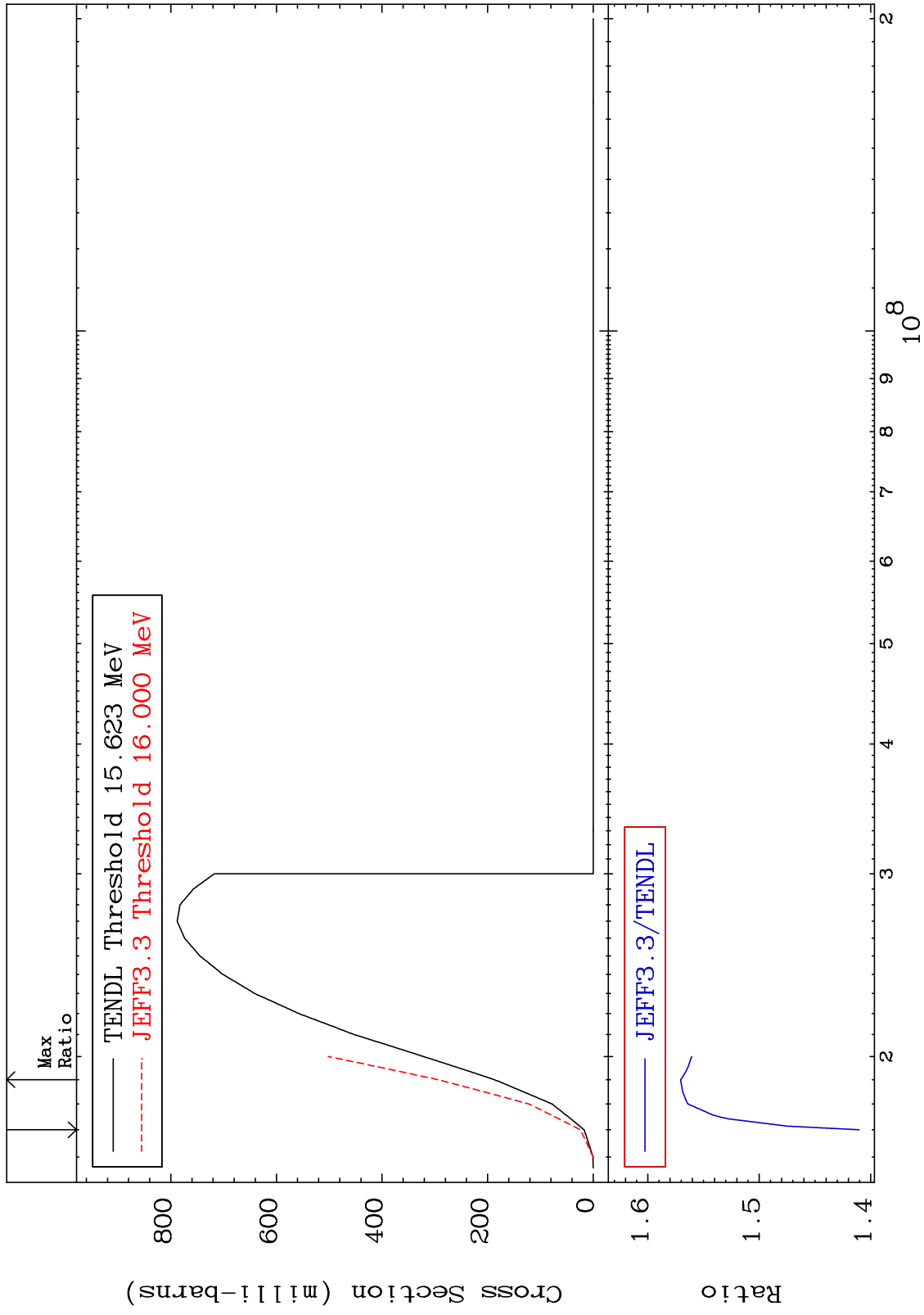
MAT 4243

(n, 3n)

42-Mo-98

Cross Section

41.03 To 57.05 %



5

Incident Energy (eV)

42-Mo-98

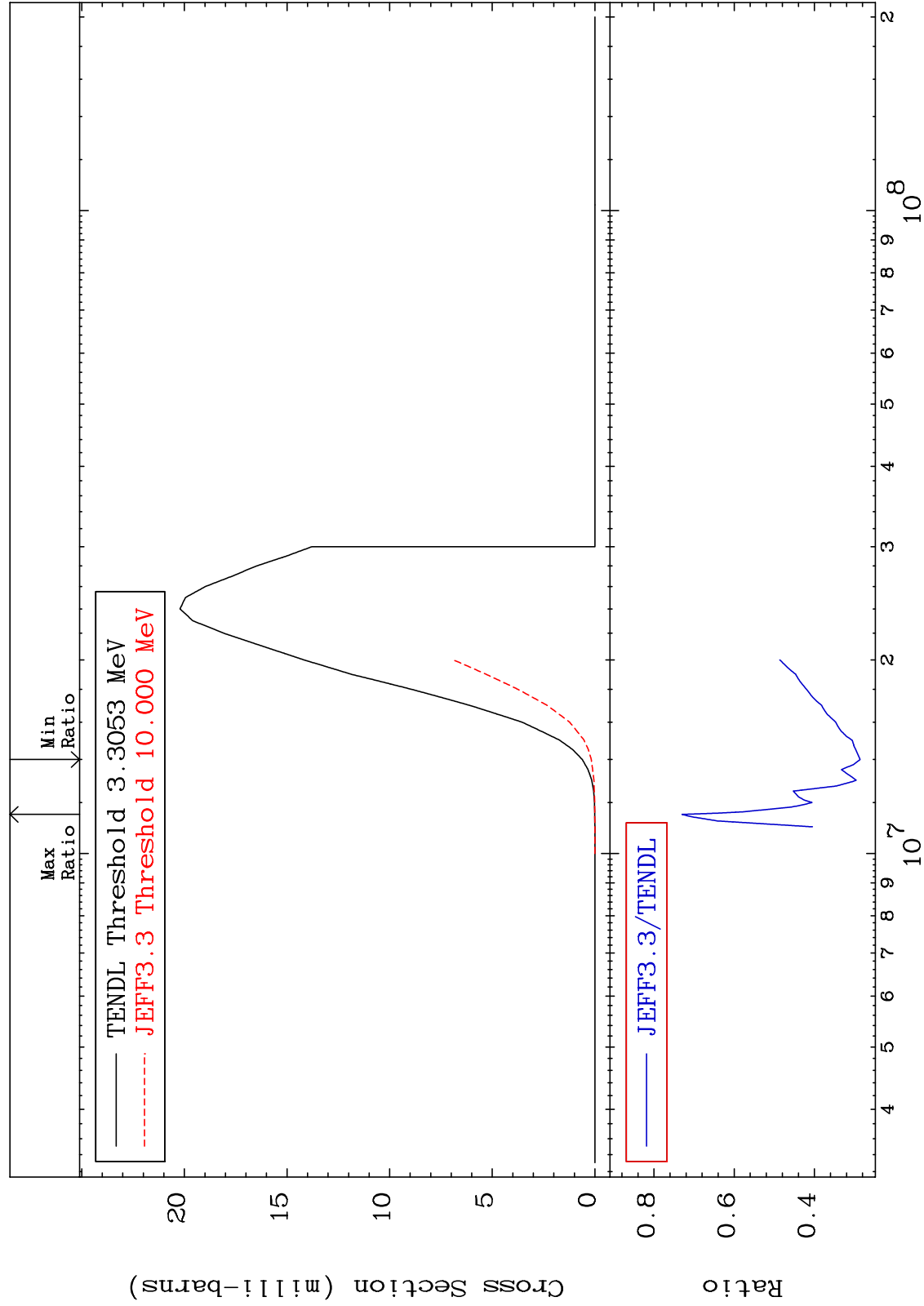
MAT 4243

(n, n') α

42-Mo-98

Cross Section

-71.40 To -27.01%



6

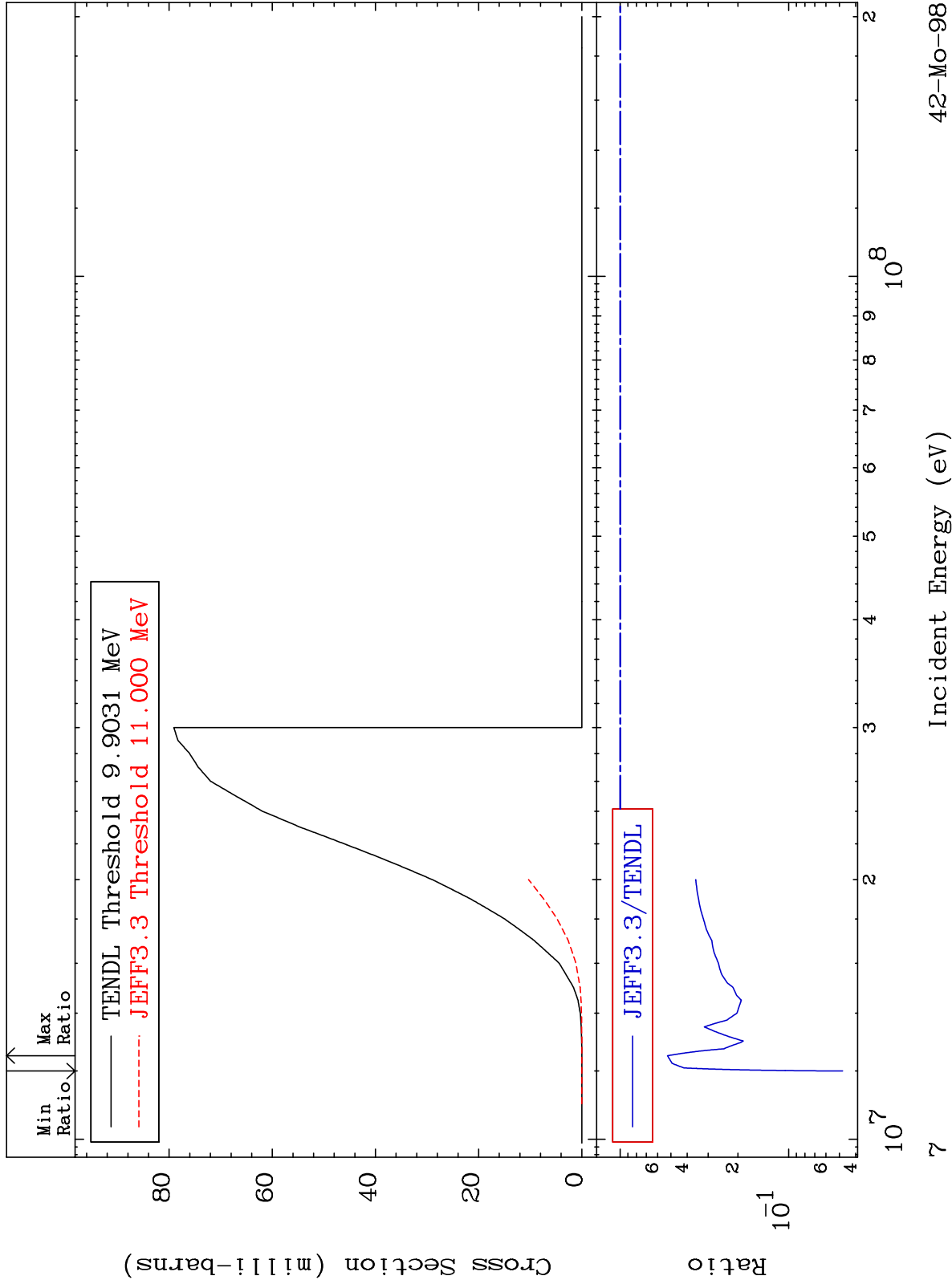
Incident Energy (eV)

42-Mo-98

MAT 4243

(n,n') p
Cross Section

42-Mo-98
-95.22 To -47.67%



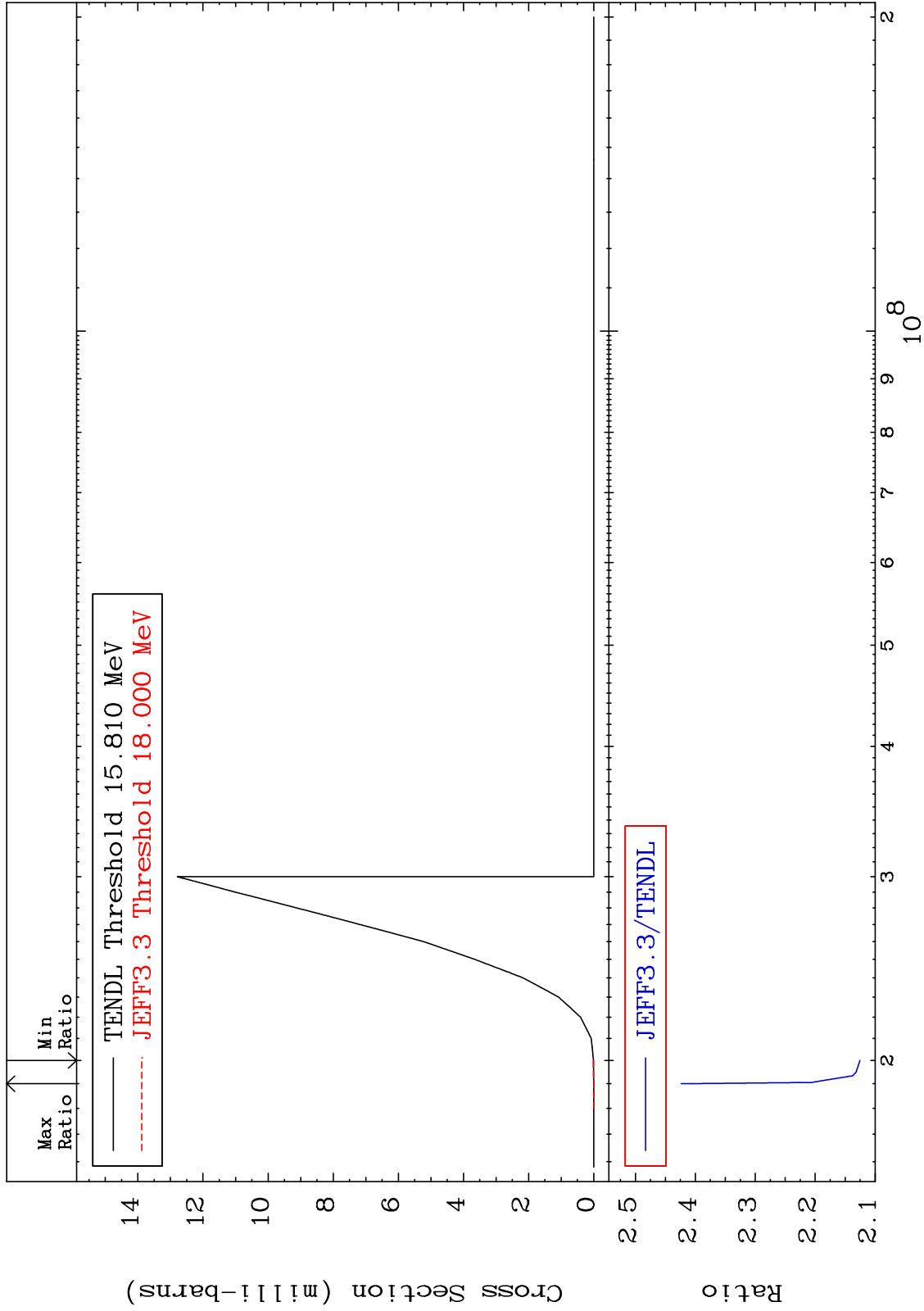
MAT 4243

(n, n') d

42-Mo-98

Cross Section

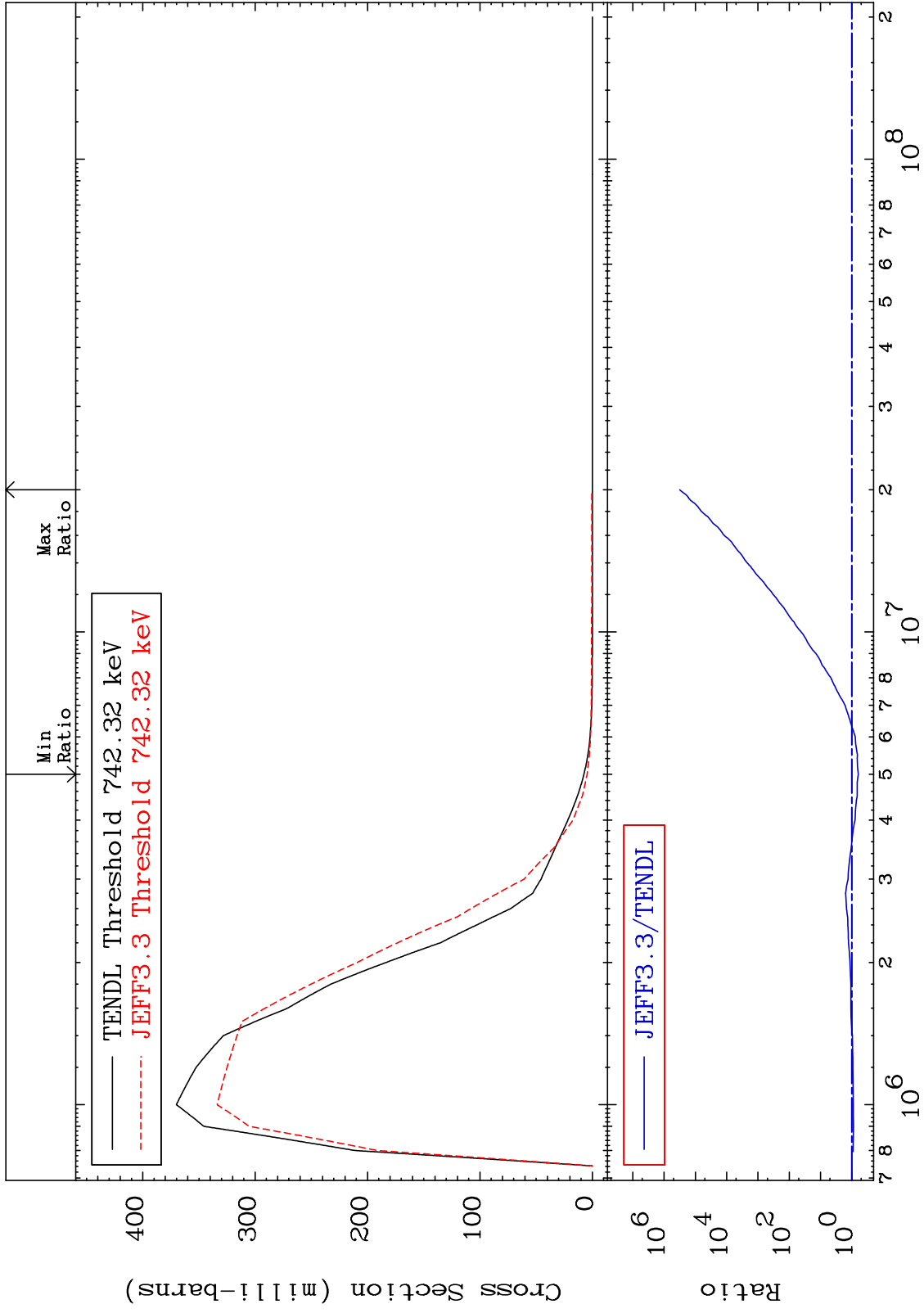
112.5 To 142.4 %



MAT 4243

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

42-Mo-98
-38.20 To 9999. %



9

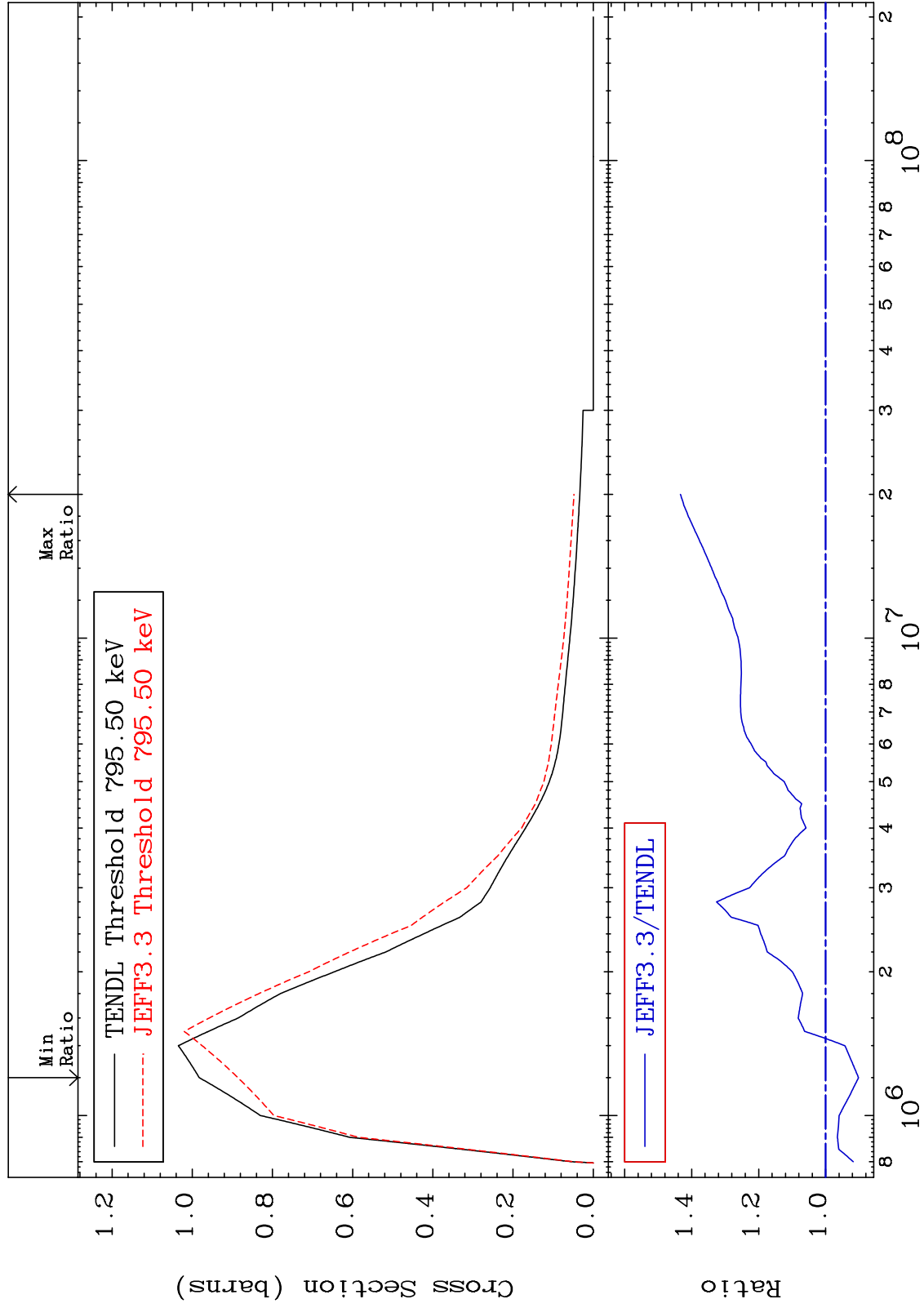
Incident Energy (eV)

42-Mo-98

MAT 4243

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

42-Mo-98
-9.808 To 43.34 %



10

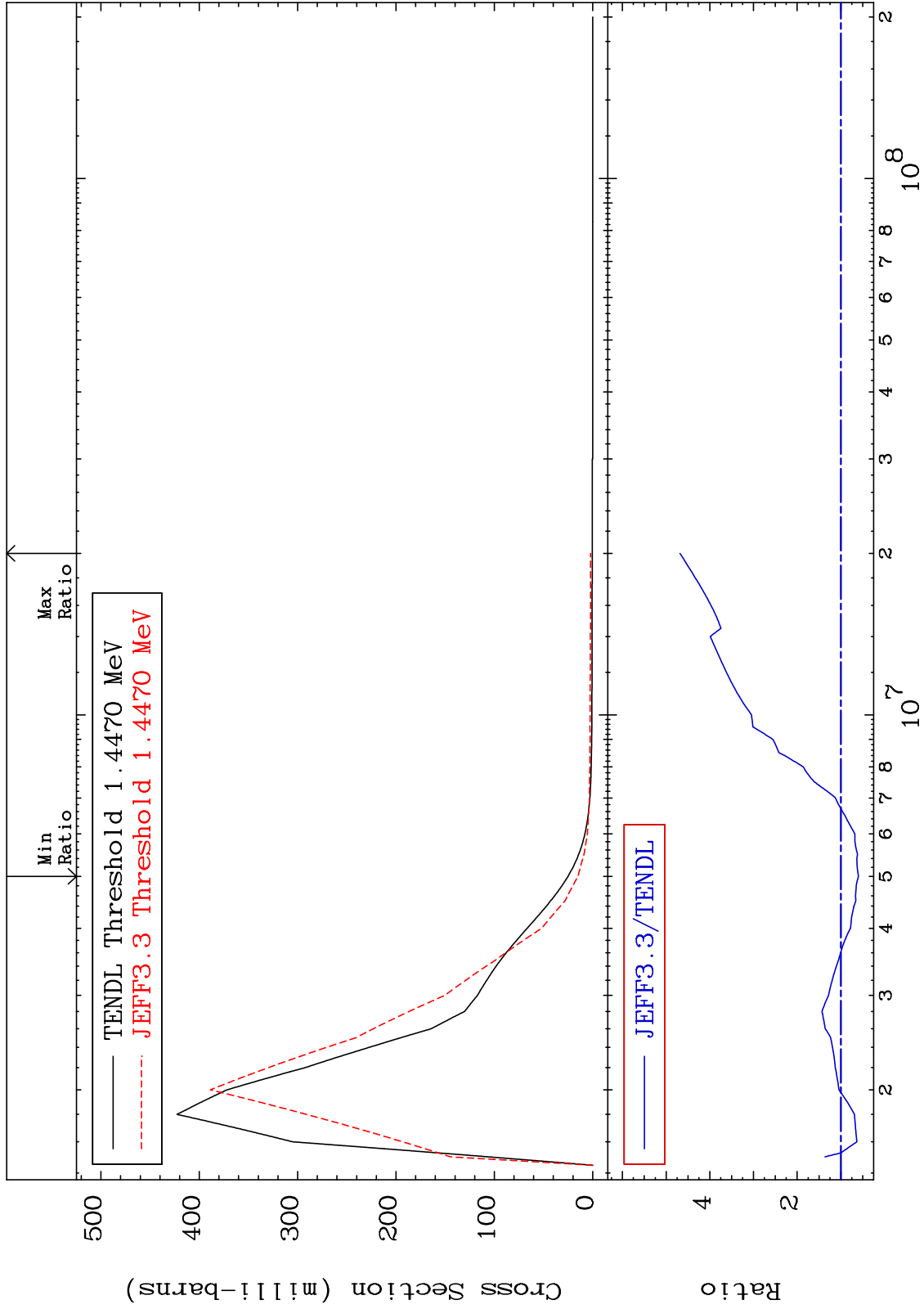
Incident Energy (eV)

42-Mo-98

MAT 4243

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

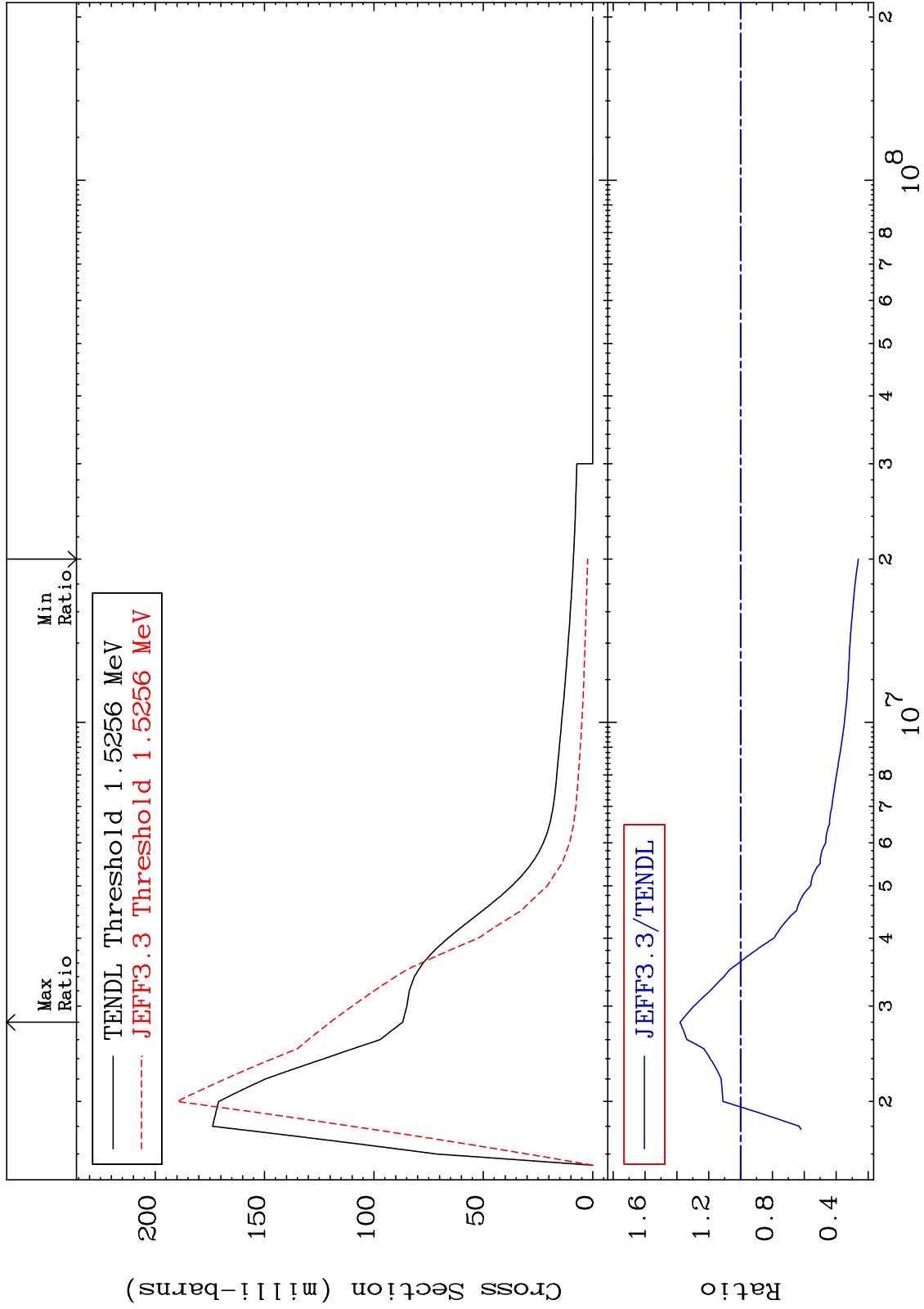
42-Mo-98
-40.20 To 368.2 %



MAT 4243

MT= 54 (n, n') Level
Cross Section

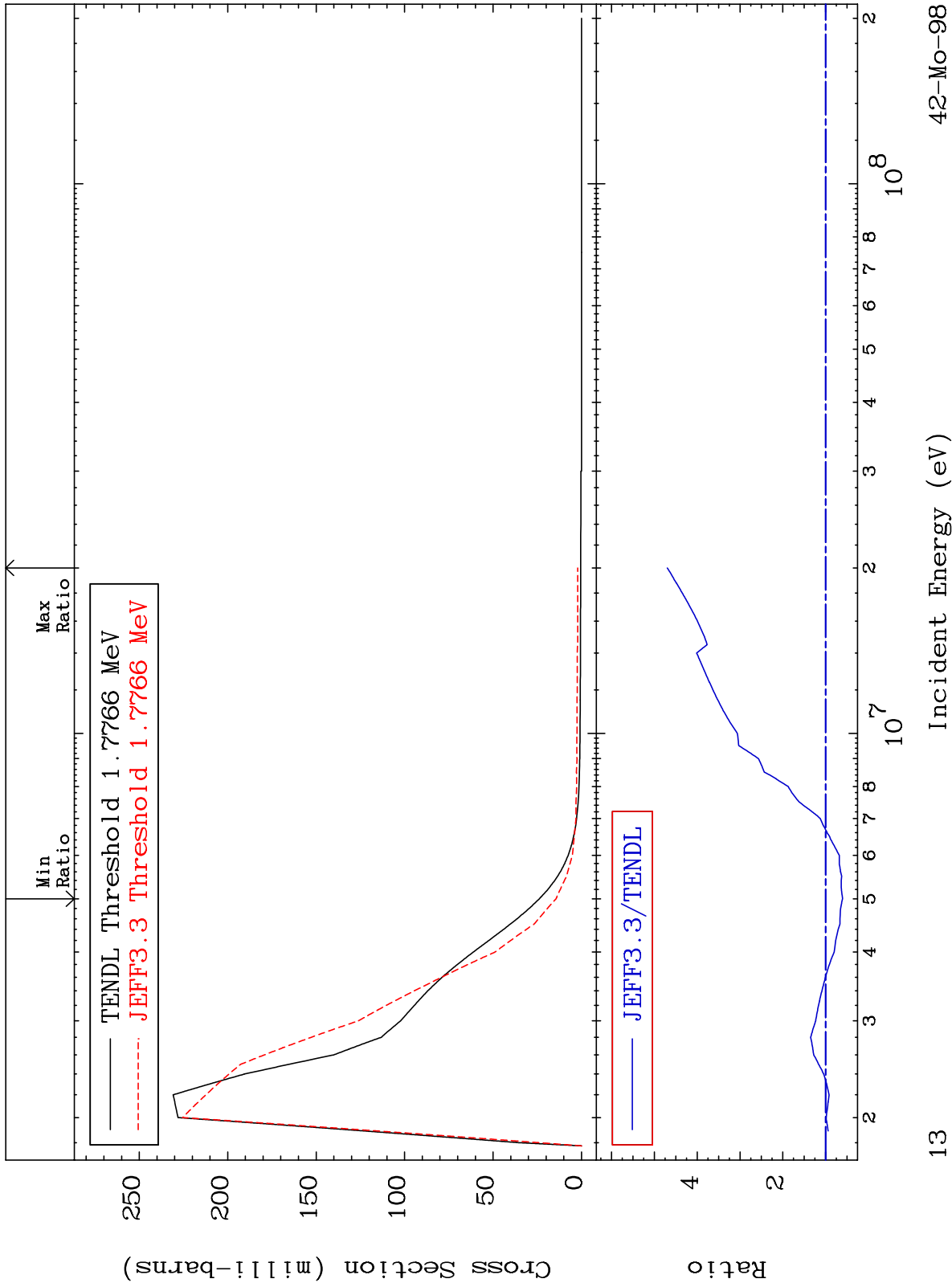
42-Mo-98
-73.93 To 38.08 %



MAT 4243

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

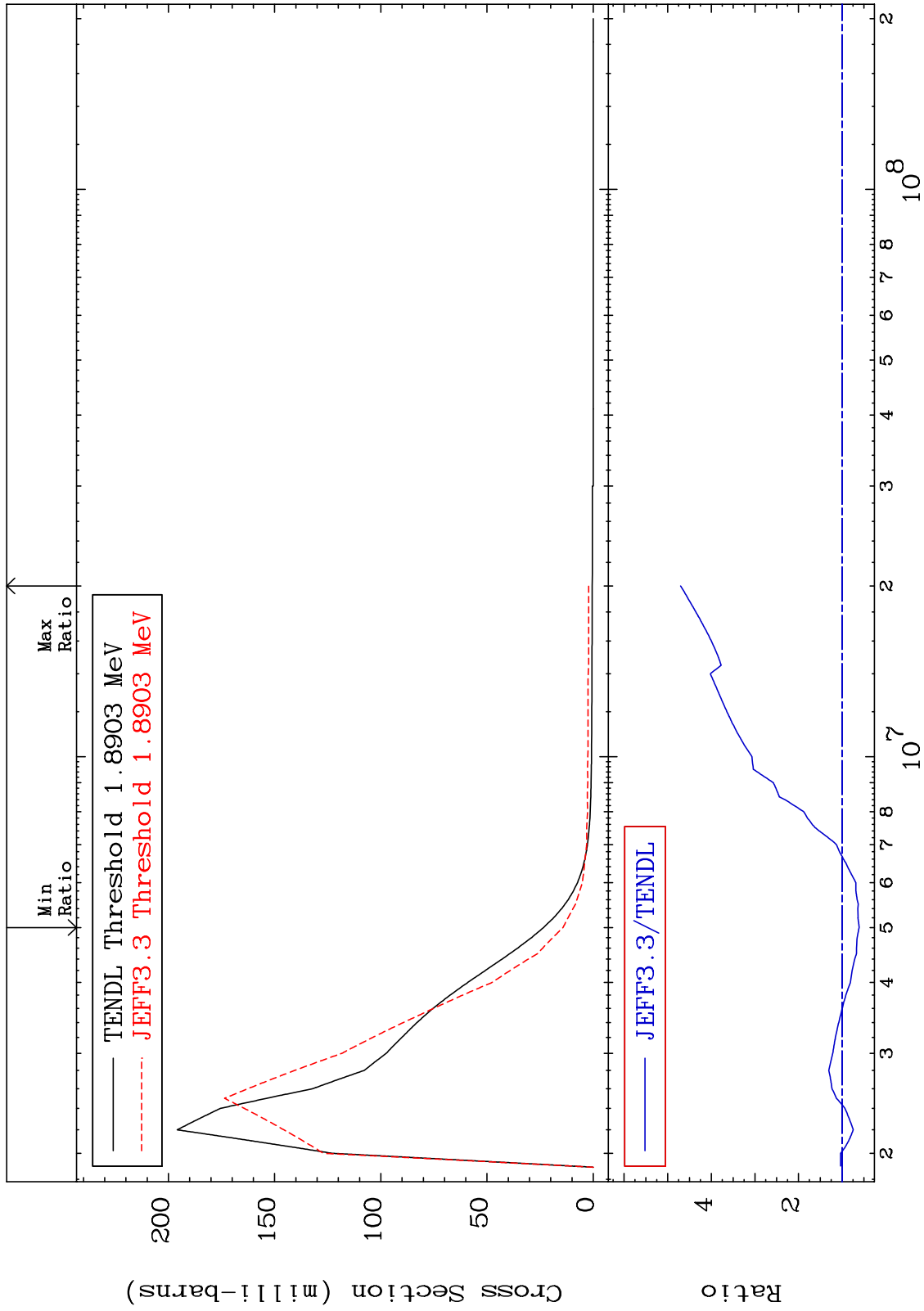
42-Mo-98
-39.46 To 369.7 %



MAT 4243

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

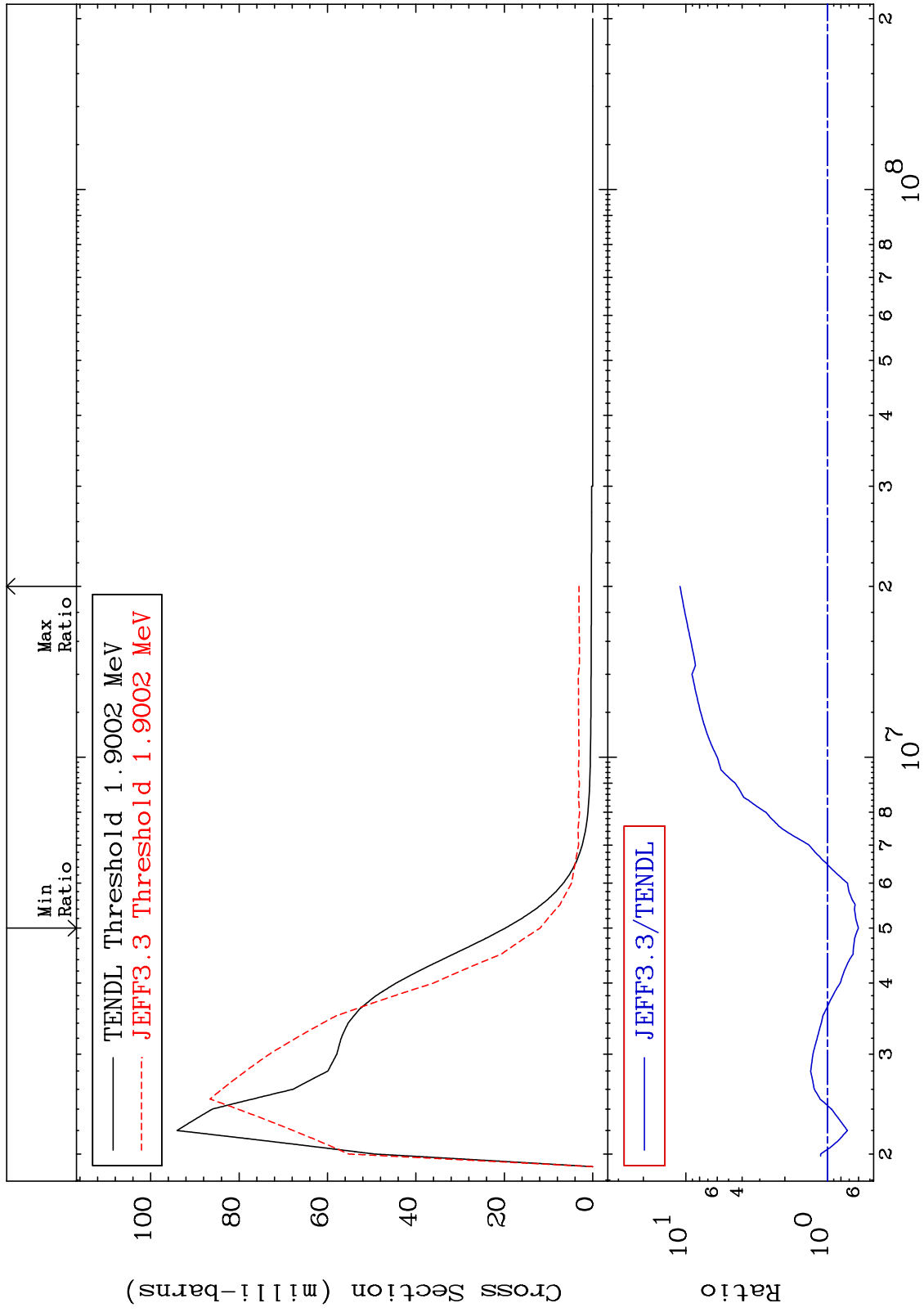
42-Mo-98
-39.19 To 370.4 %



MAT 4243

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

42-Mo-98
-39.74 To 1001. %



15

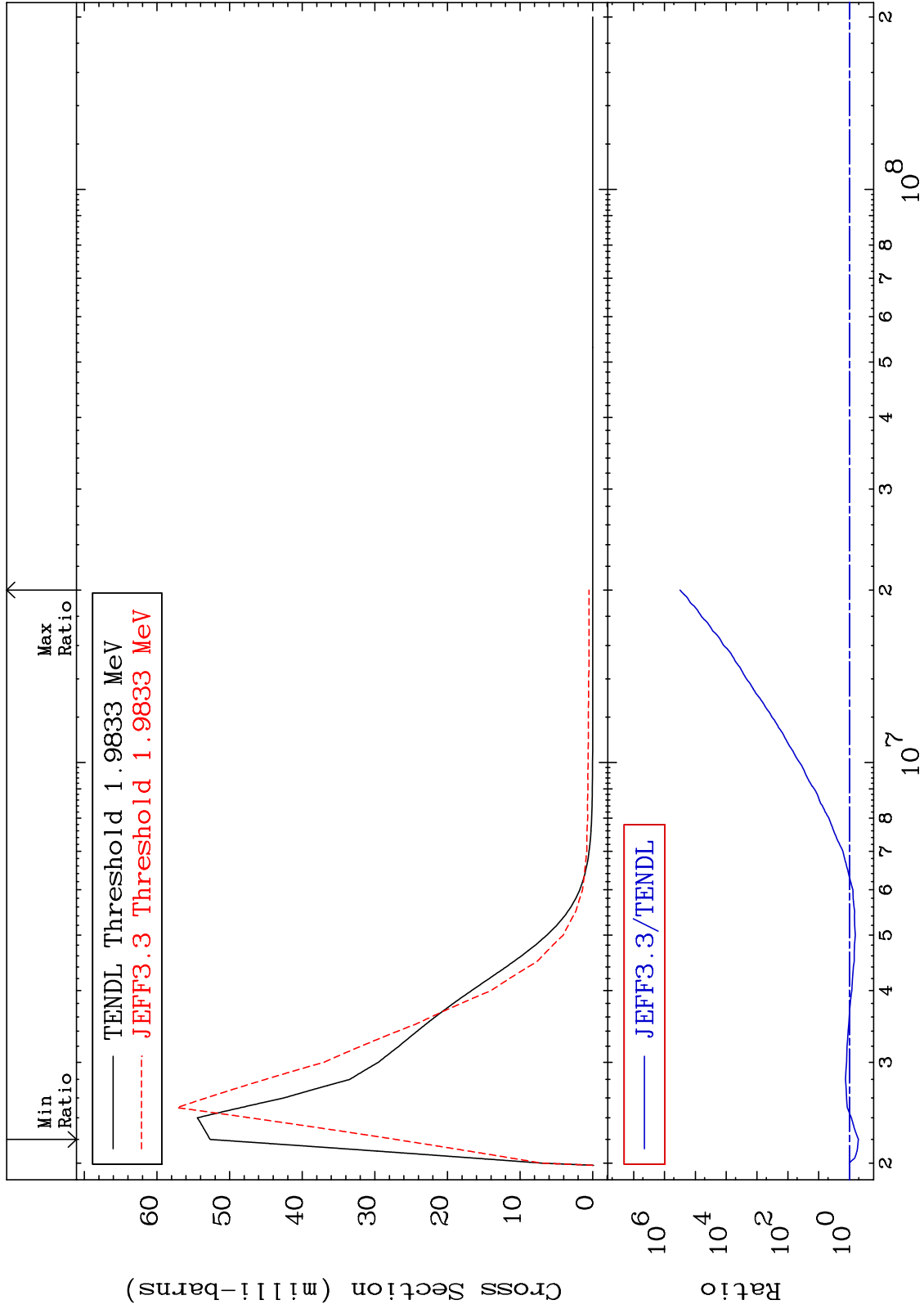
Incident Energy (eV)

42-Mo-98

MAT 4243

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

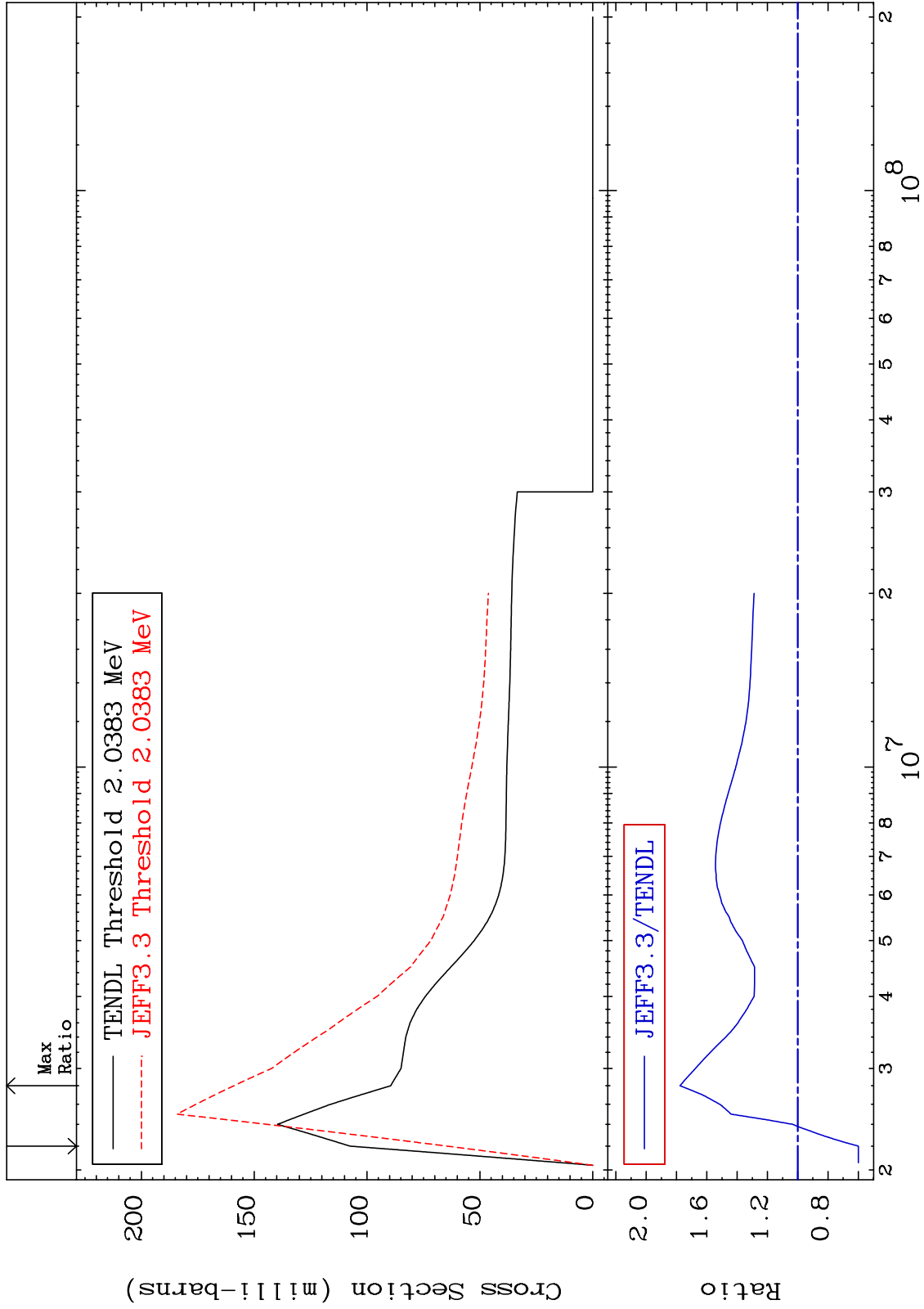
42-Mo-98
-48.52 To 9999. %



MAT 4243

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

42-Mo-98
-40.04 To 77.68 %



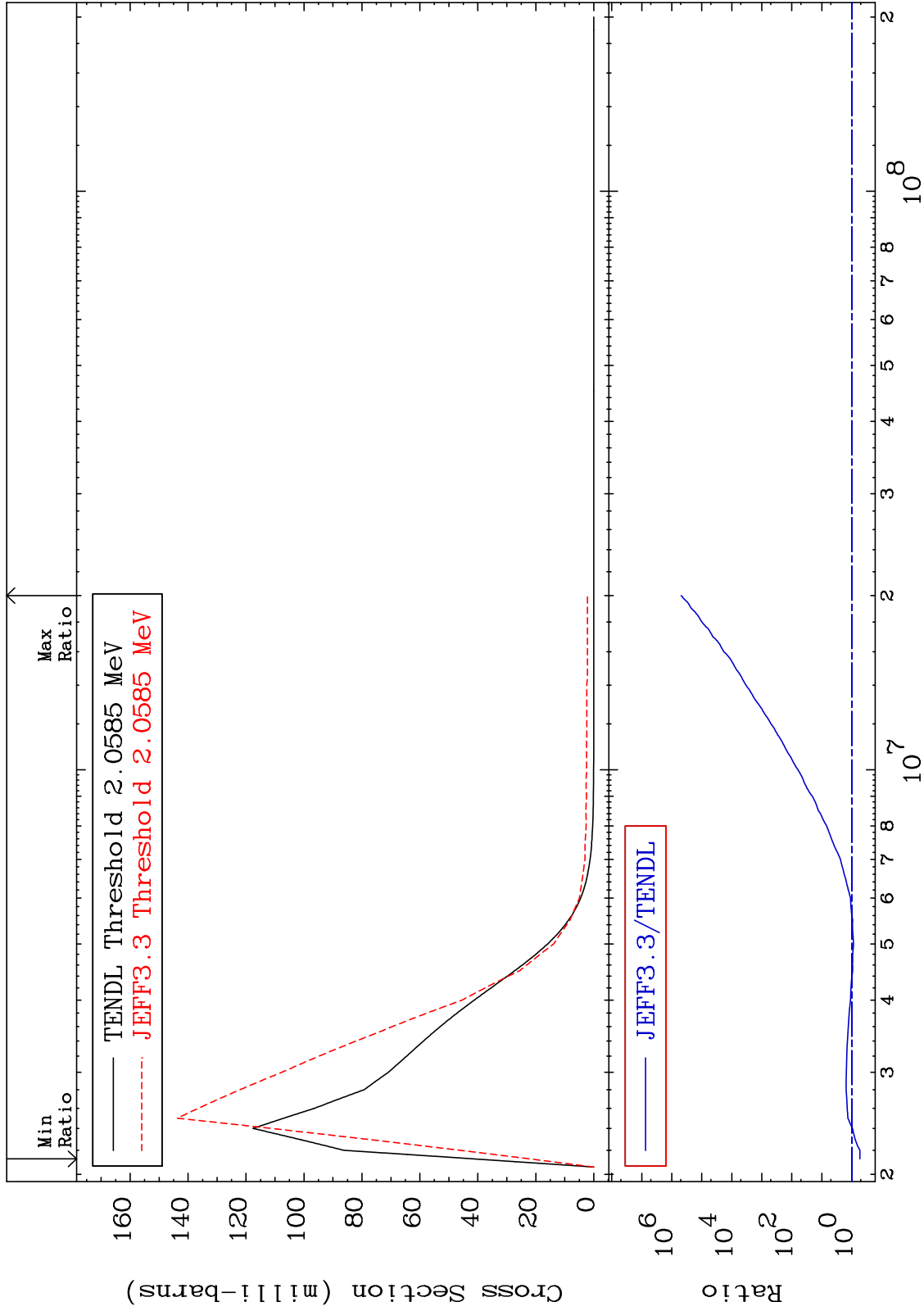
17

42-Mo-98

MAT 4243

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

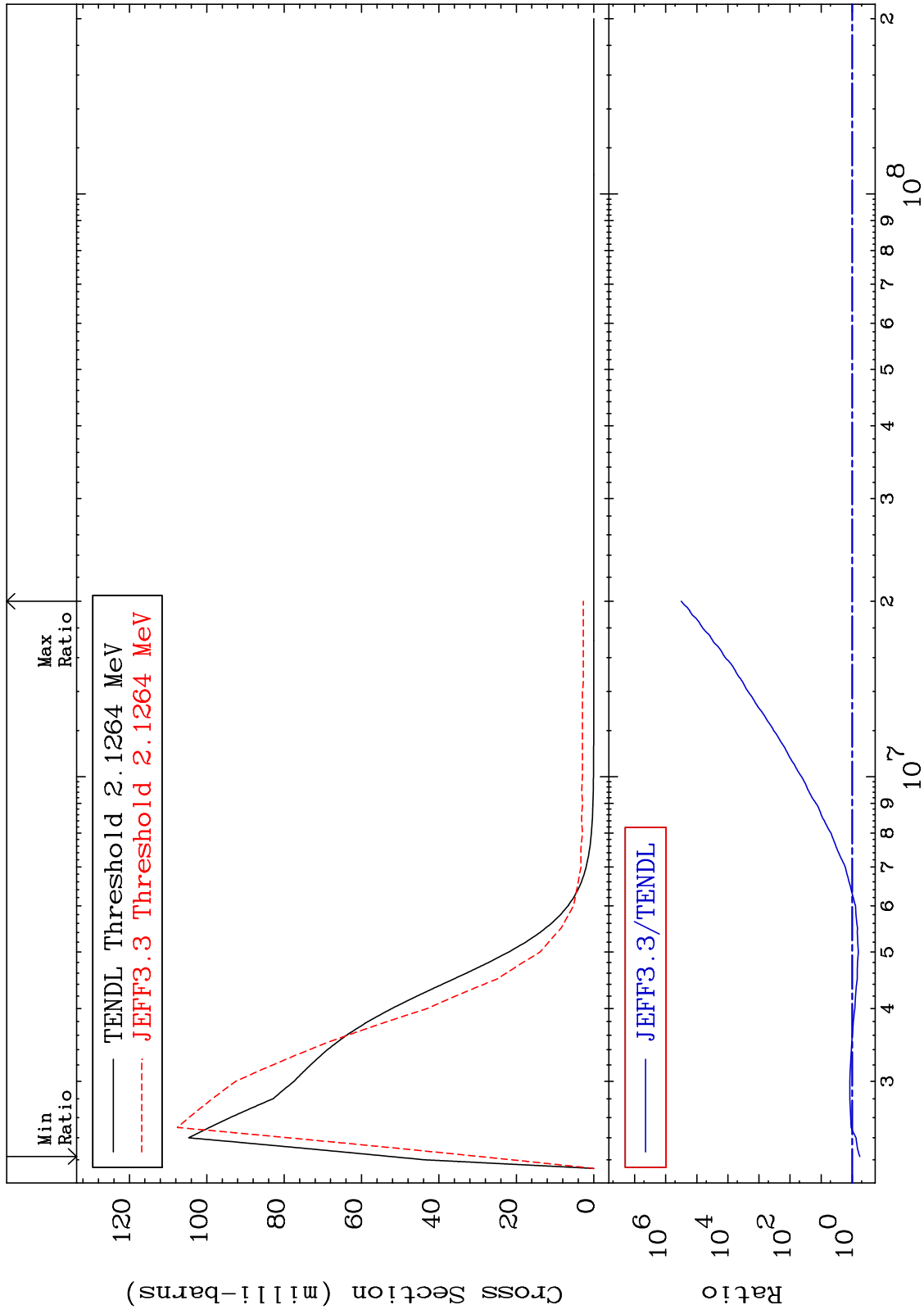
42-Mo-98
-46.58 To 9999. %



MAT 4243

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

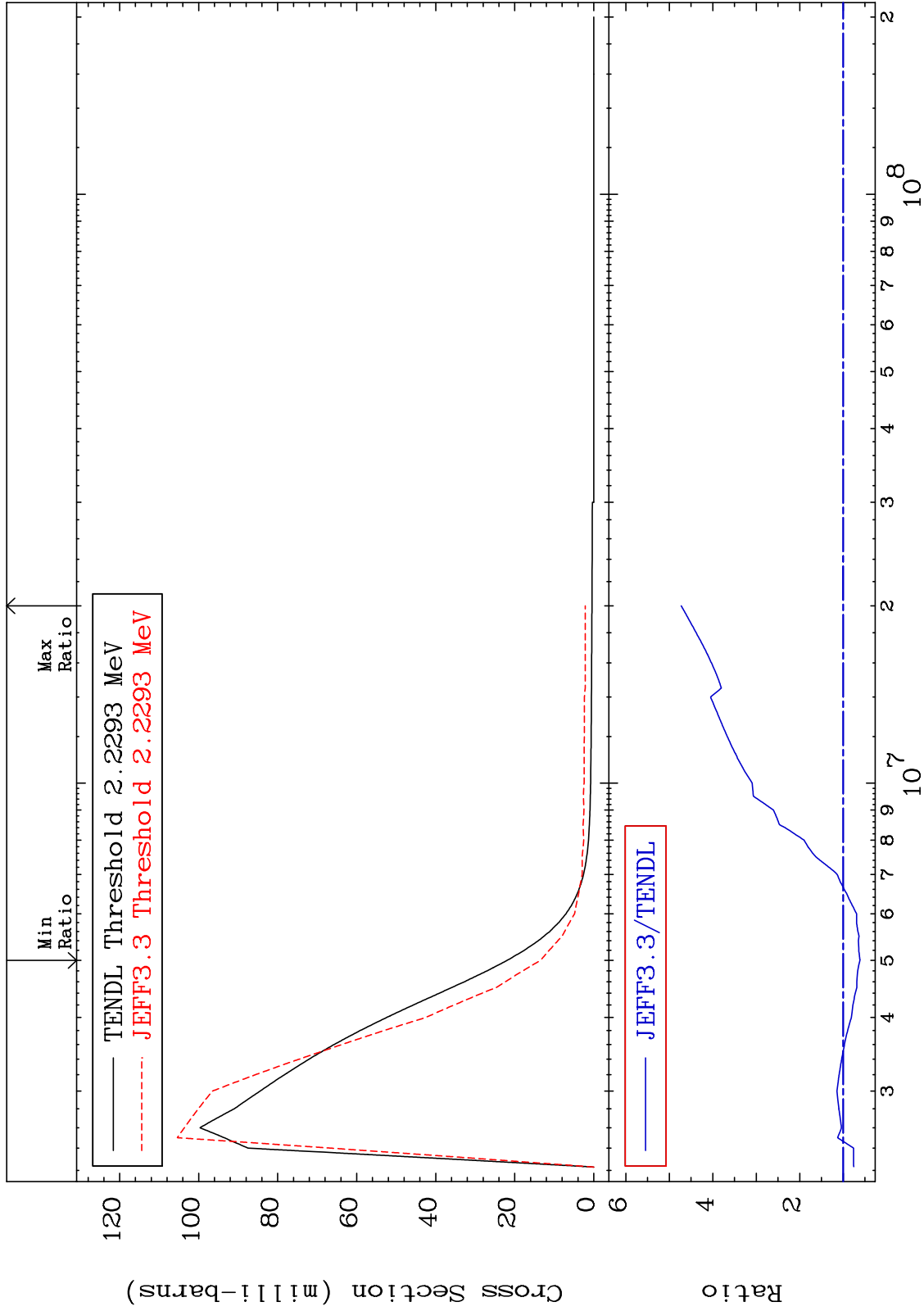
42-Mo-98
-43.68 To 9999. %



MAT 4243

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

42-Mo-98
-38.56 To 372.6 %



20

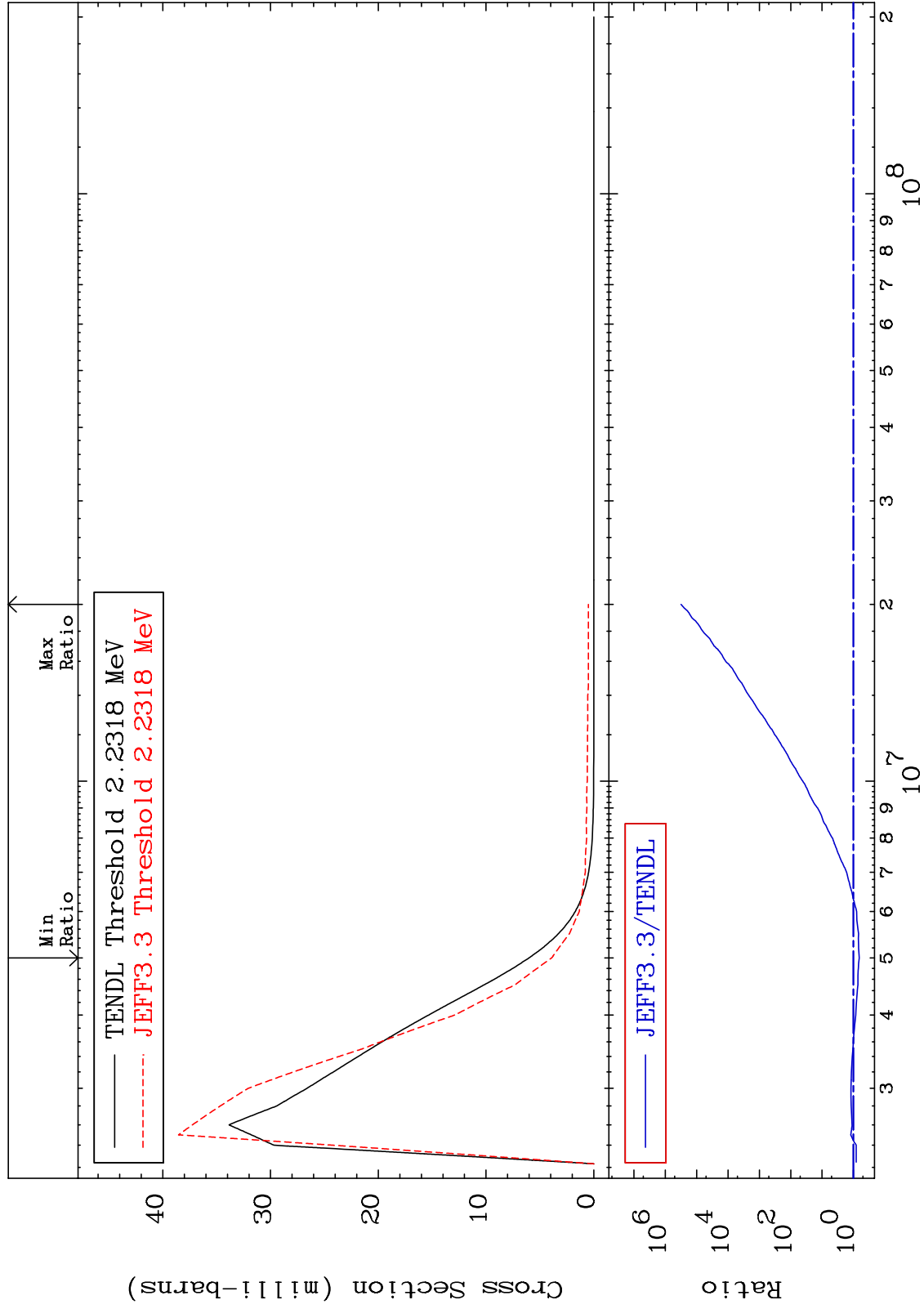
Incident Energy (eV)

42-Mo-98

MAT 4243

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

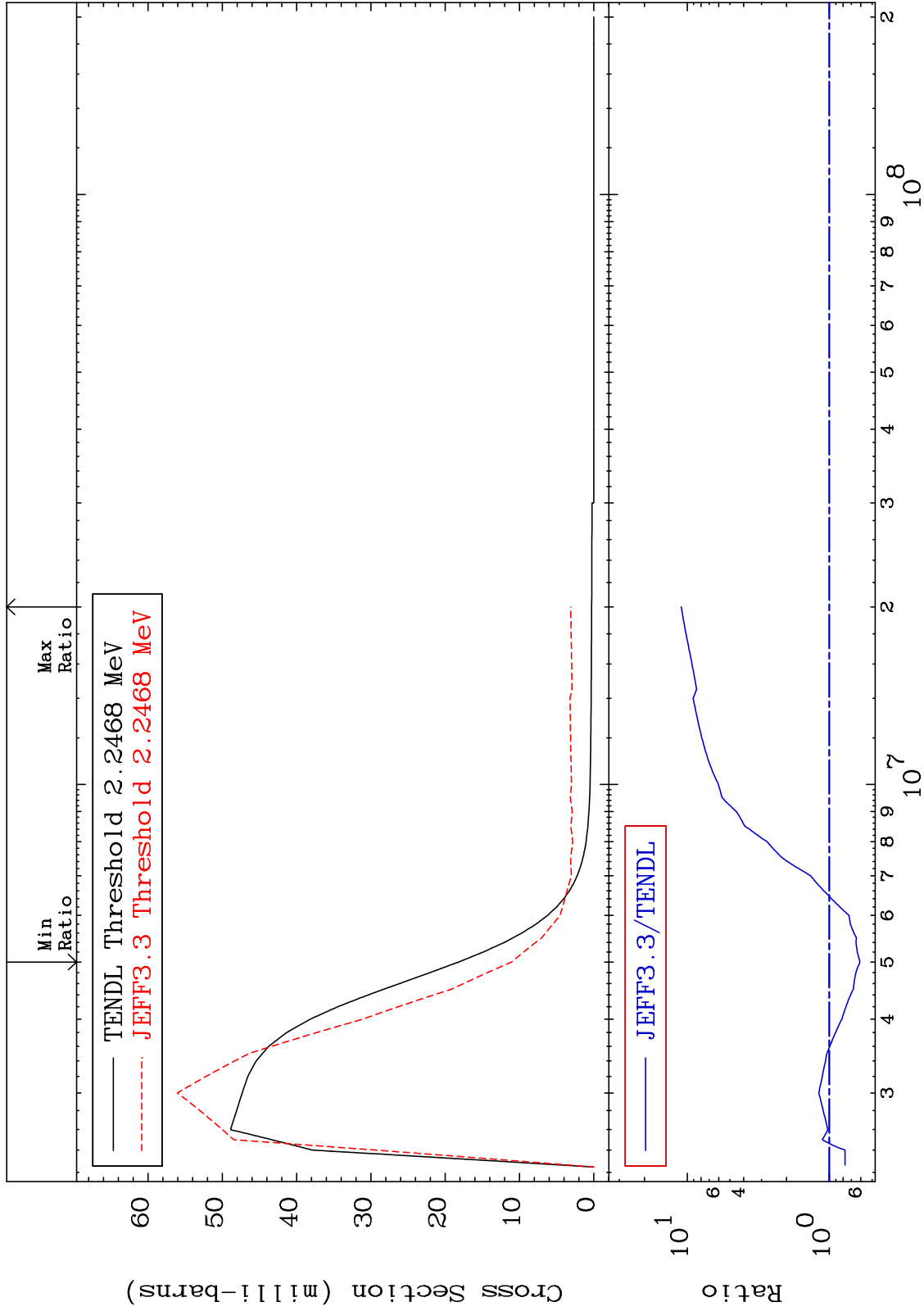
42-Mo-98
-34.94 To 9999. %



MAT 4243

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

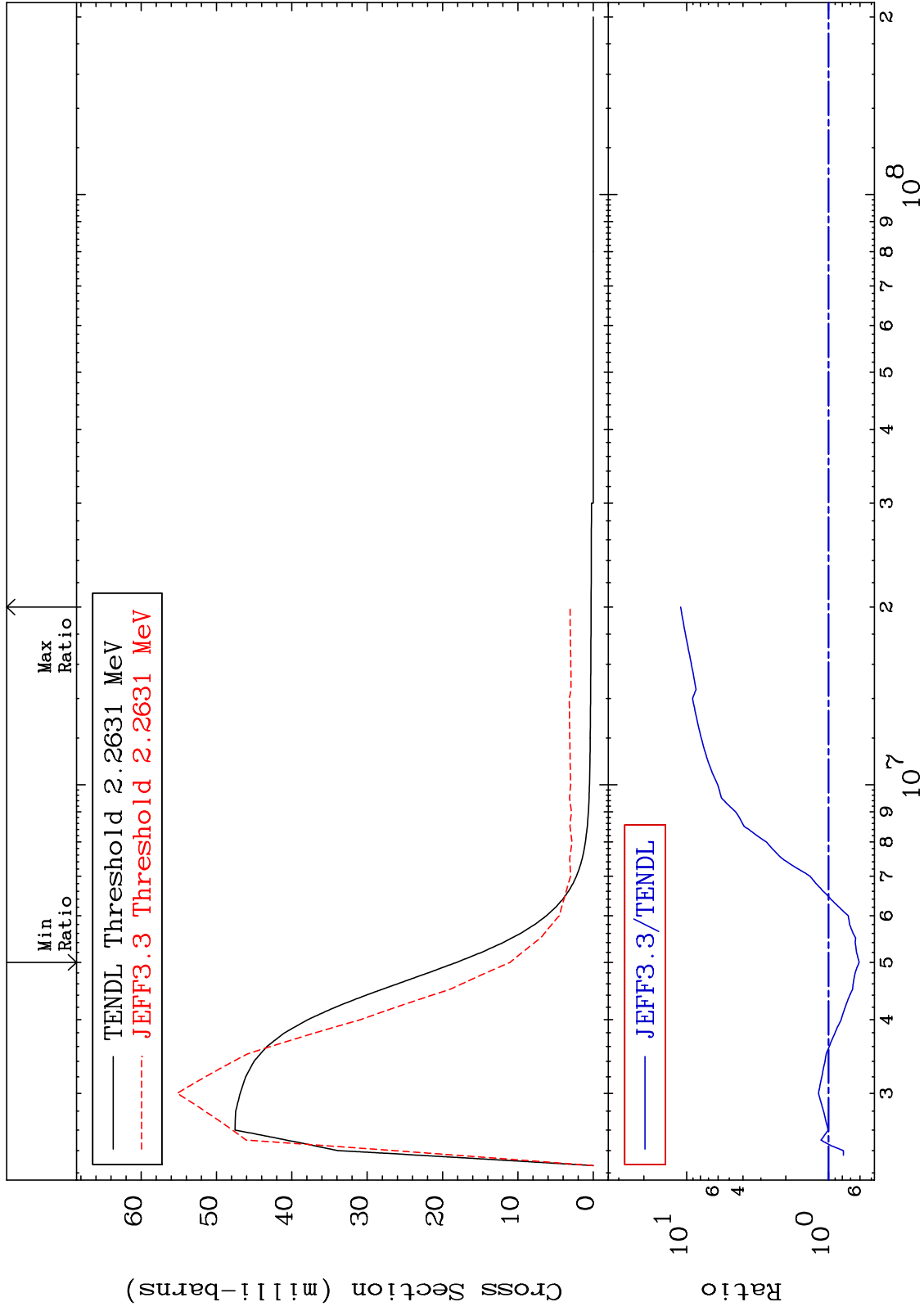
42-Mo-98
-39.15 To 1001. %



MAT 4243

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

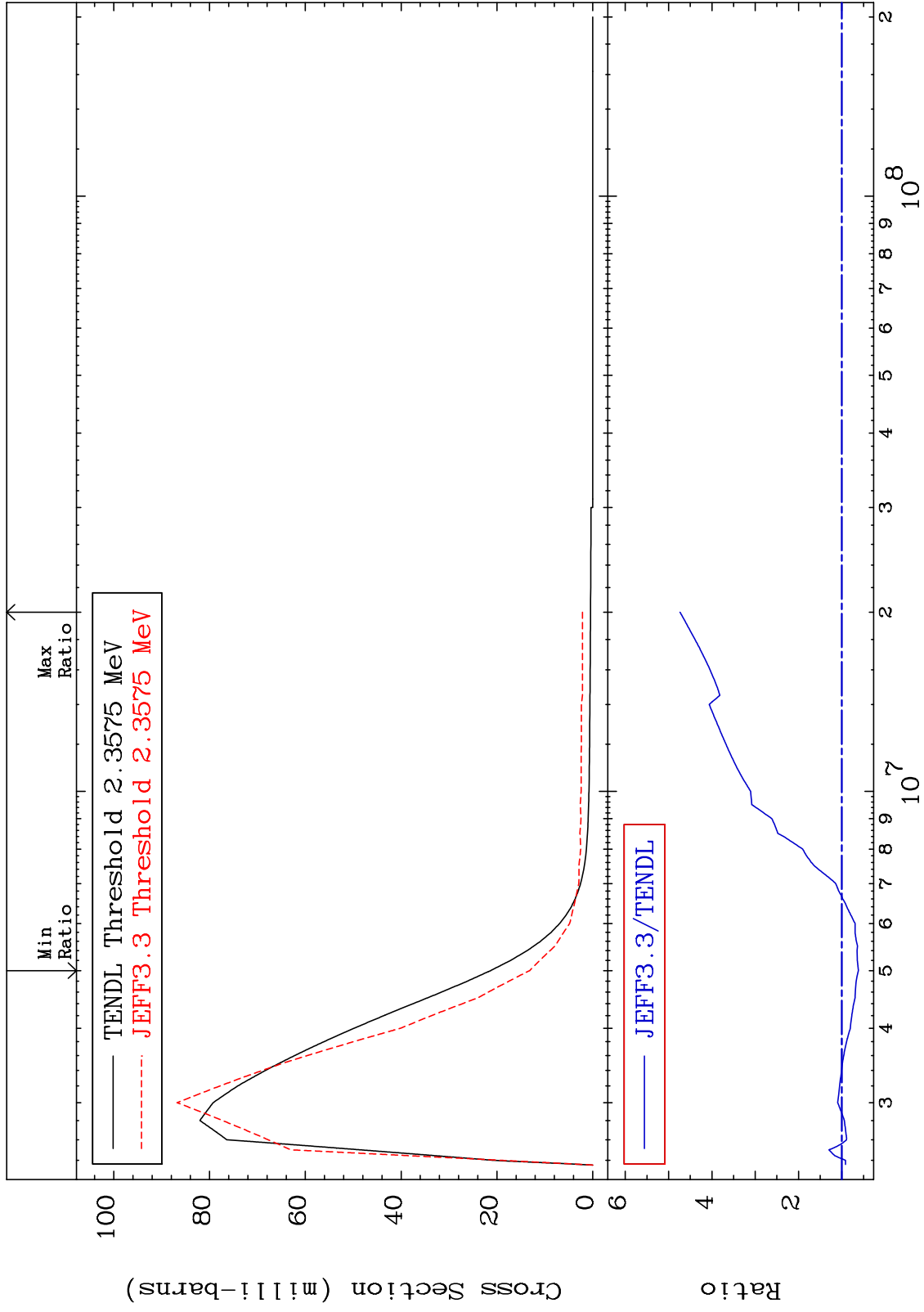
42-Mo-98
-39.11 To 1001. %



MAT 4243

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

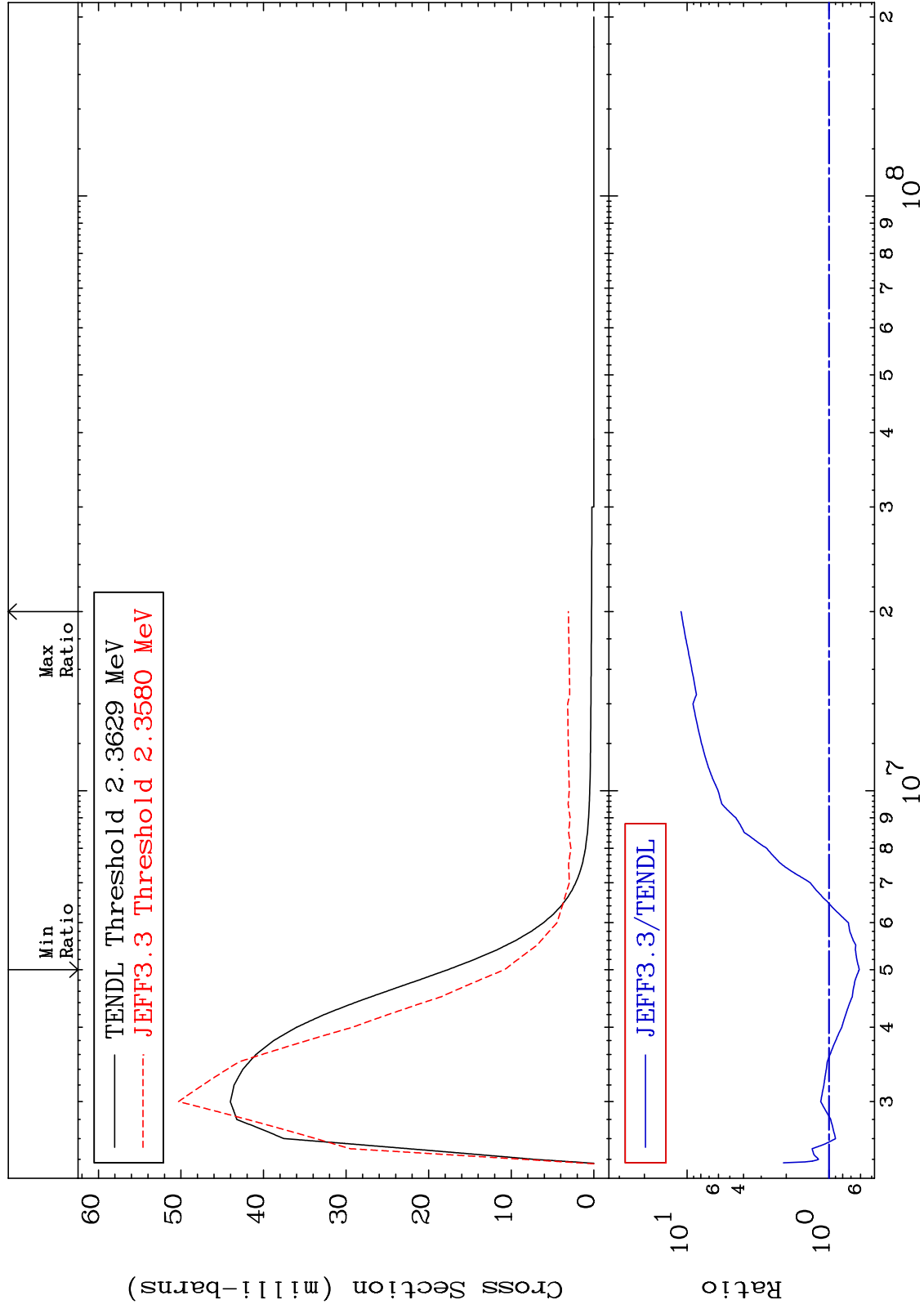
42-Mo-98
-38.22 To 373.7 %



MAT 4243

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

42-Mo-98
-38.83 To 1002. %



25

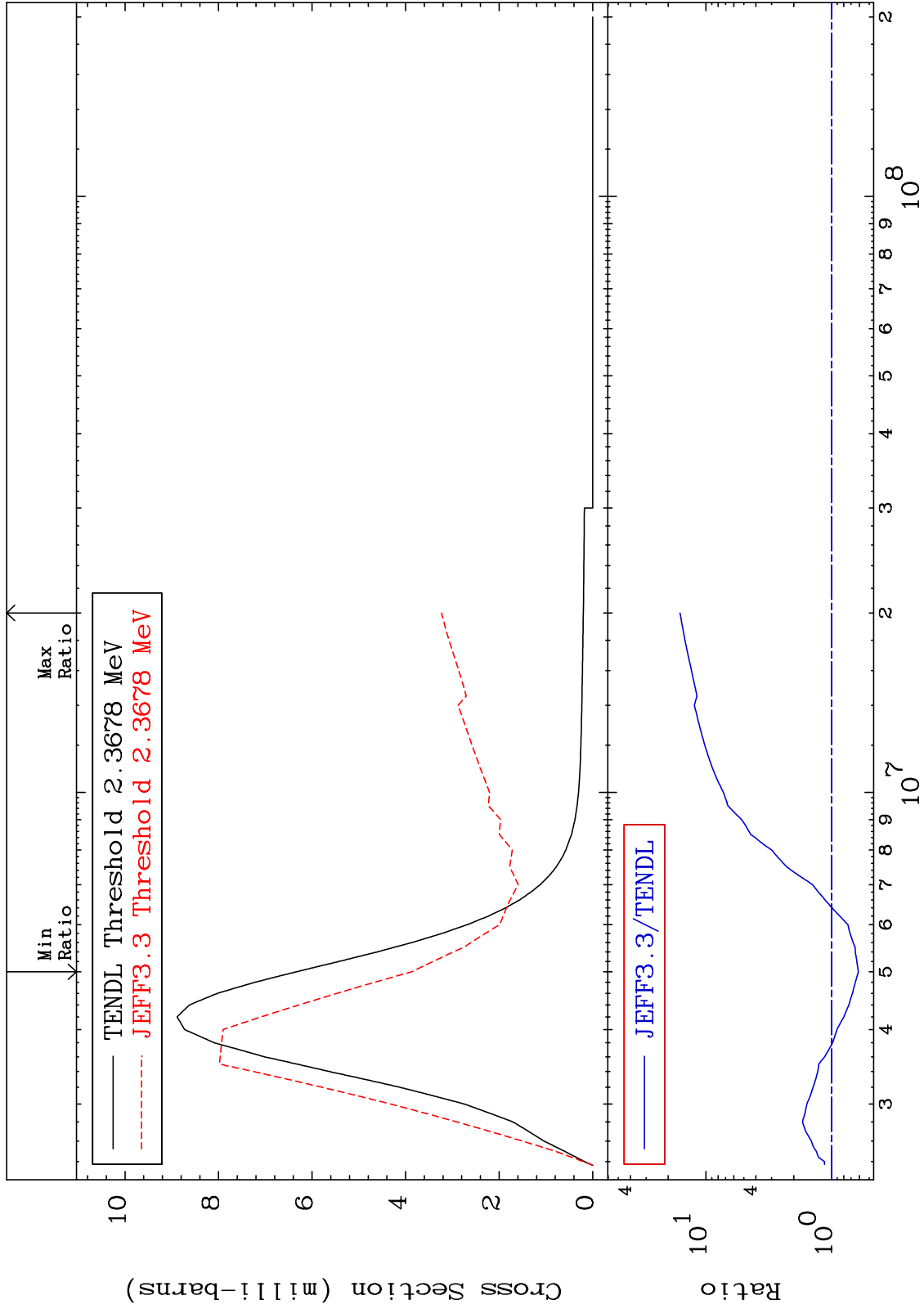
Incident Energy (eV)

42-Mo-98

MAT 4243

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

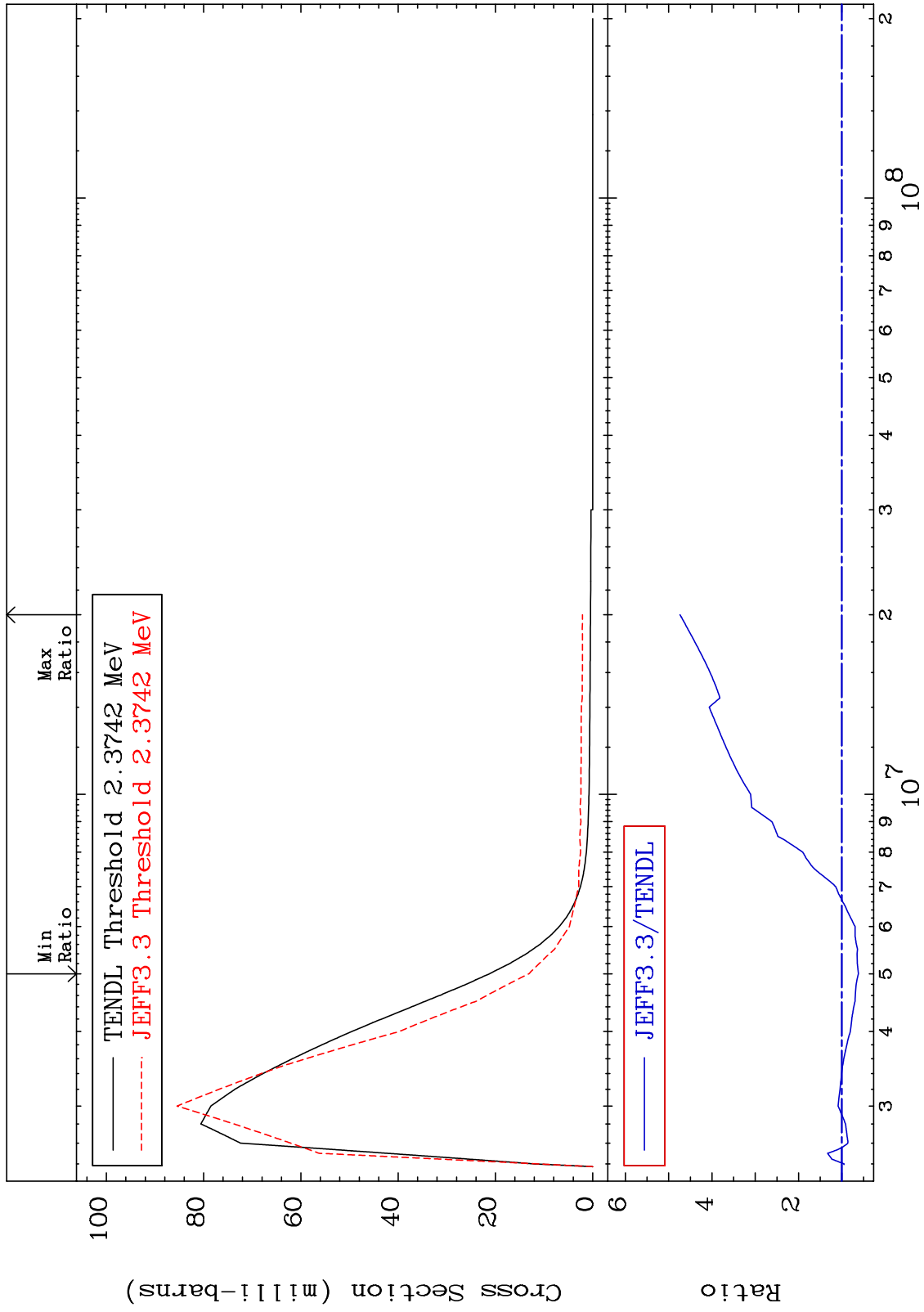
42-Mo-98
-38.90 To 1510. %



MAT 4243

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

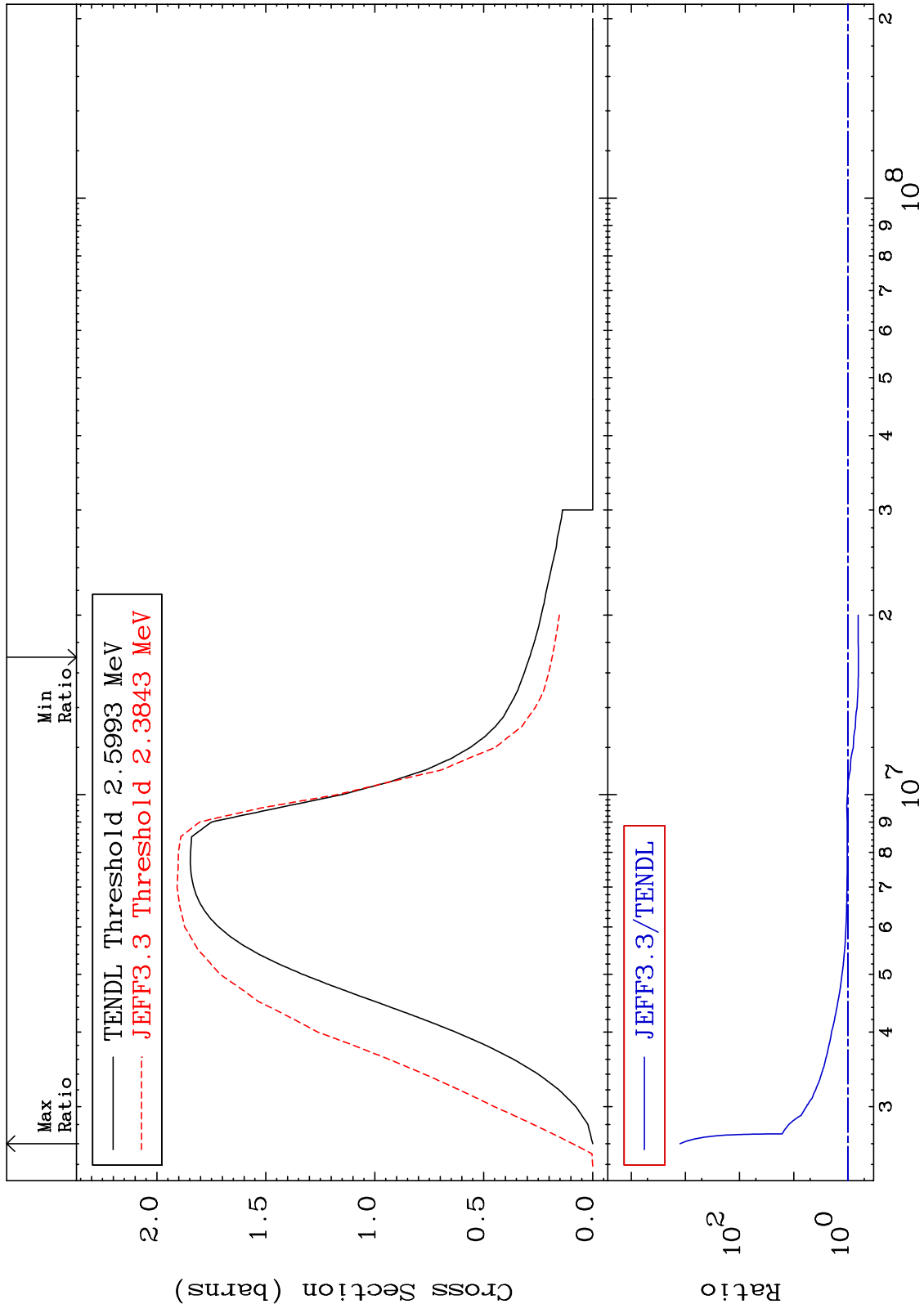
42-Mo-98
-38.17 To 373.8 %



MAT 4243

(n, n') Continuum
Cross Section

42-Mo-98
-35.88 To 9999. %



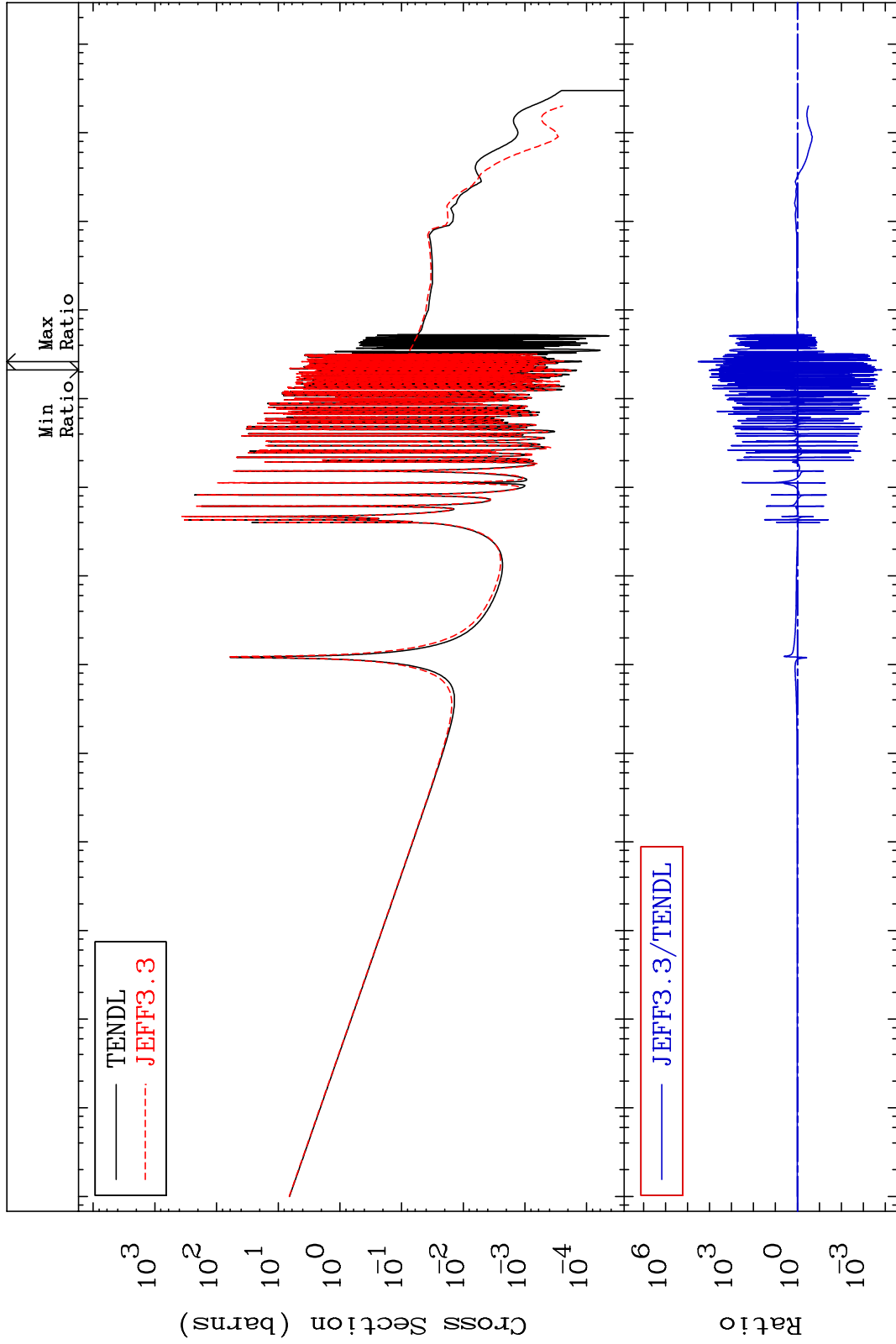
MAT 4243

(n, γ)

42-Mo-98

Cross Section

-99.99 To 9999. %



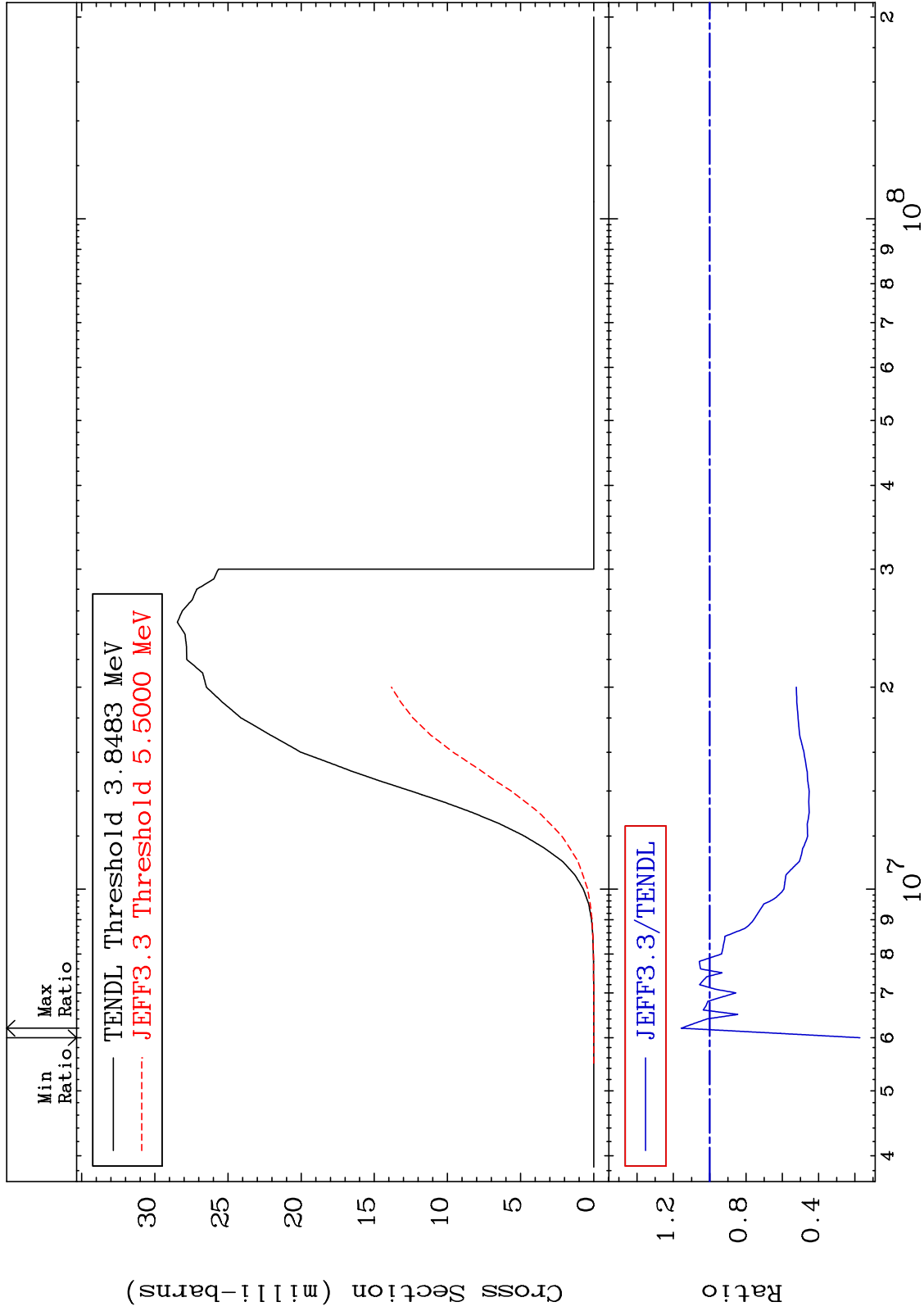
MAT 4243

(n, p)

42-Mo-98

Cross Section

-82.82 To 15.68 %



30

Incident Energy (eV)

42-Mo-98

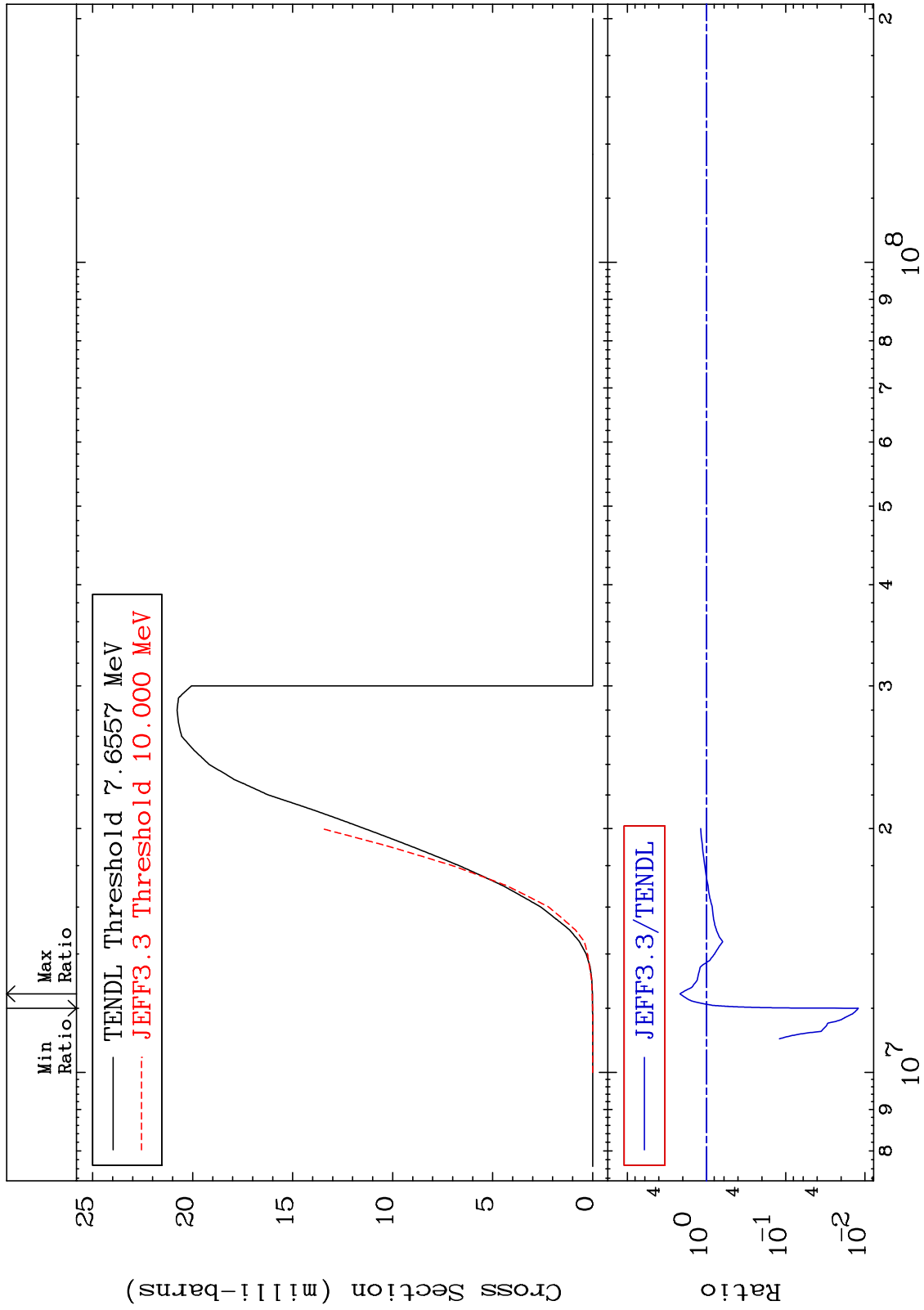
MAT 4243

(n, d)

42-Mo-98

Cross Section

-98.79 To 116.1 %



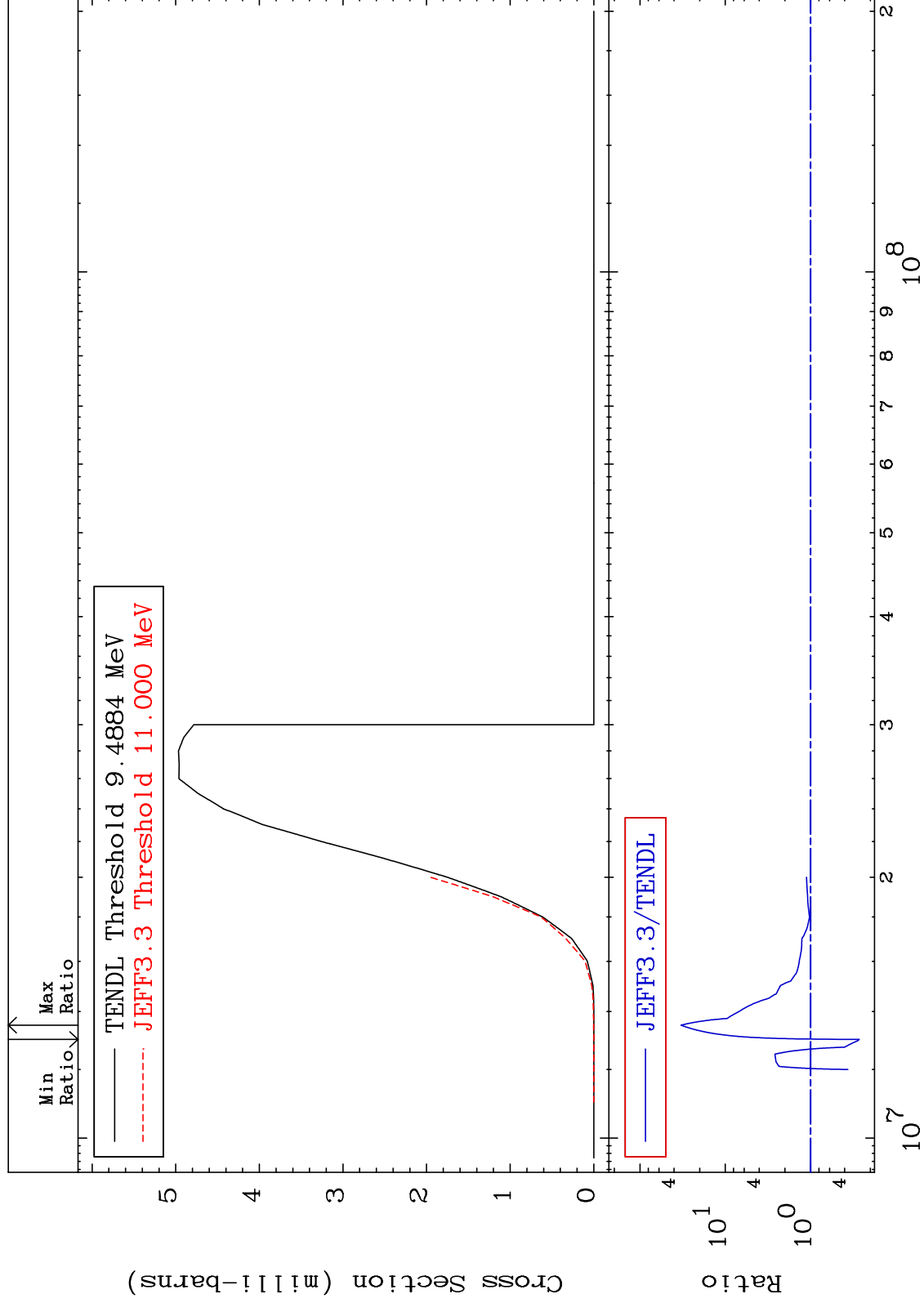
MAT 4243

(n, t)

42-Mo-98

Cross Section

-73.04 To 3200. %



42-Mo-98

32

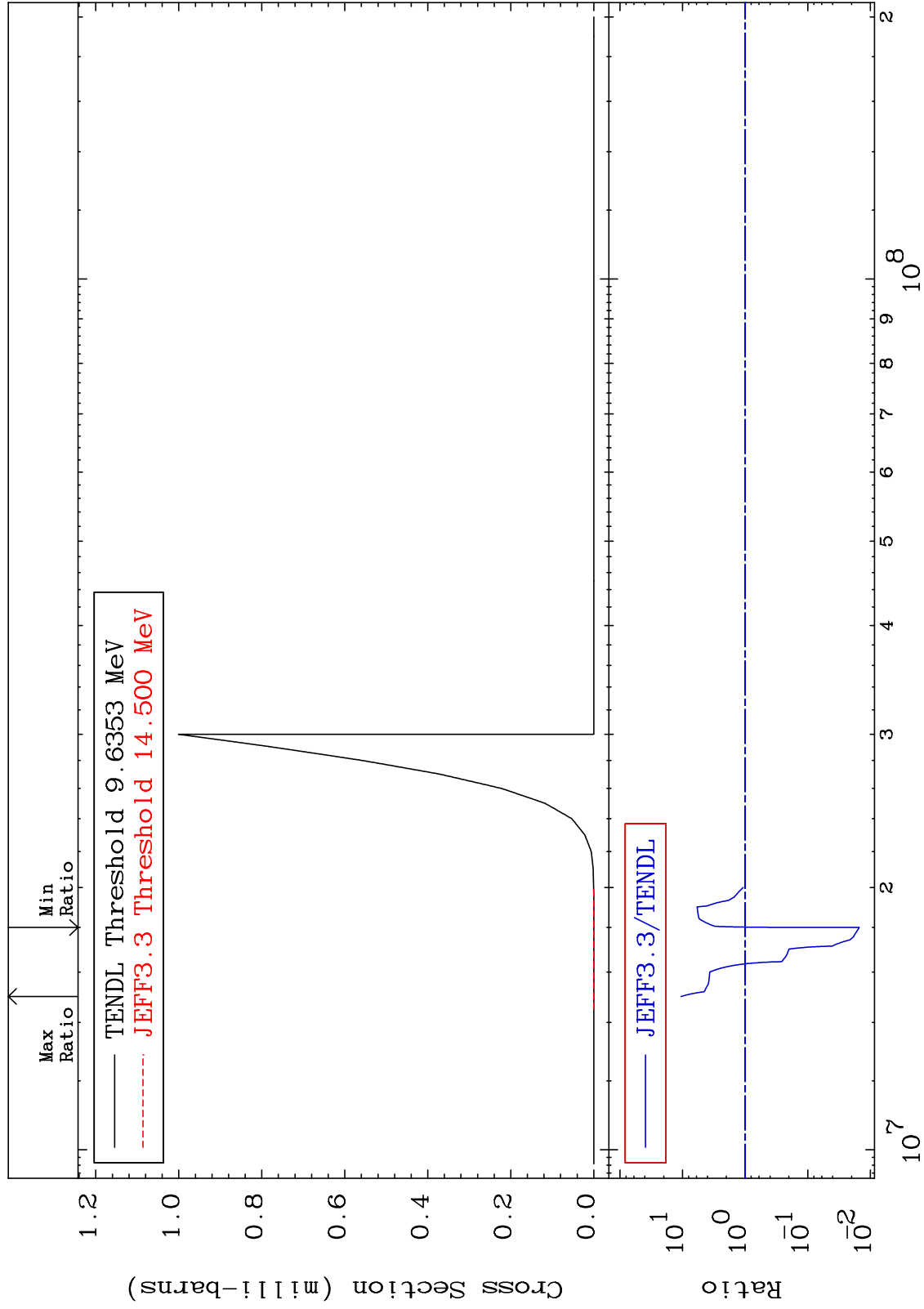
MAT 4243

(n, He-3)

42-Mo-98

Cross Section

-98.50 To 956.6 %



Incident Energy (eV)

42-Mo-98

33

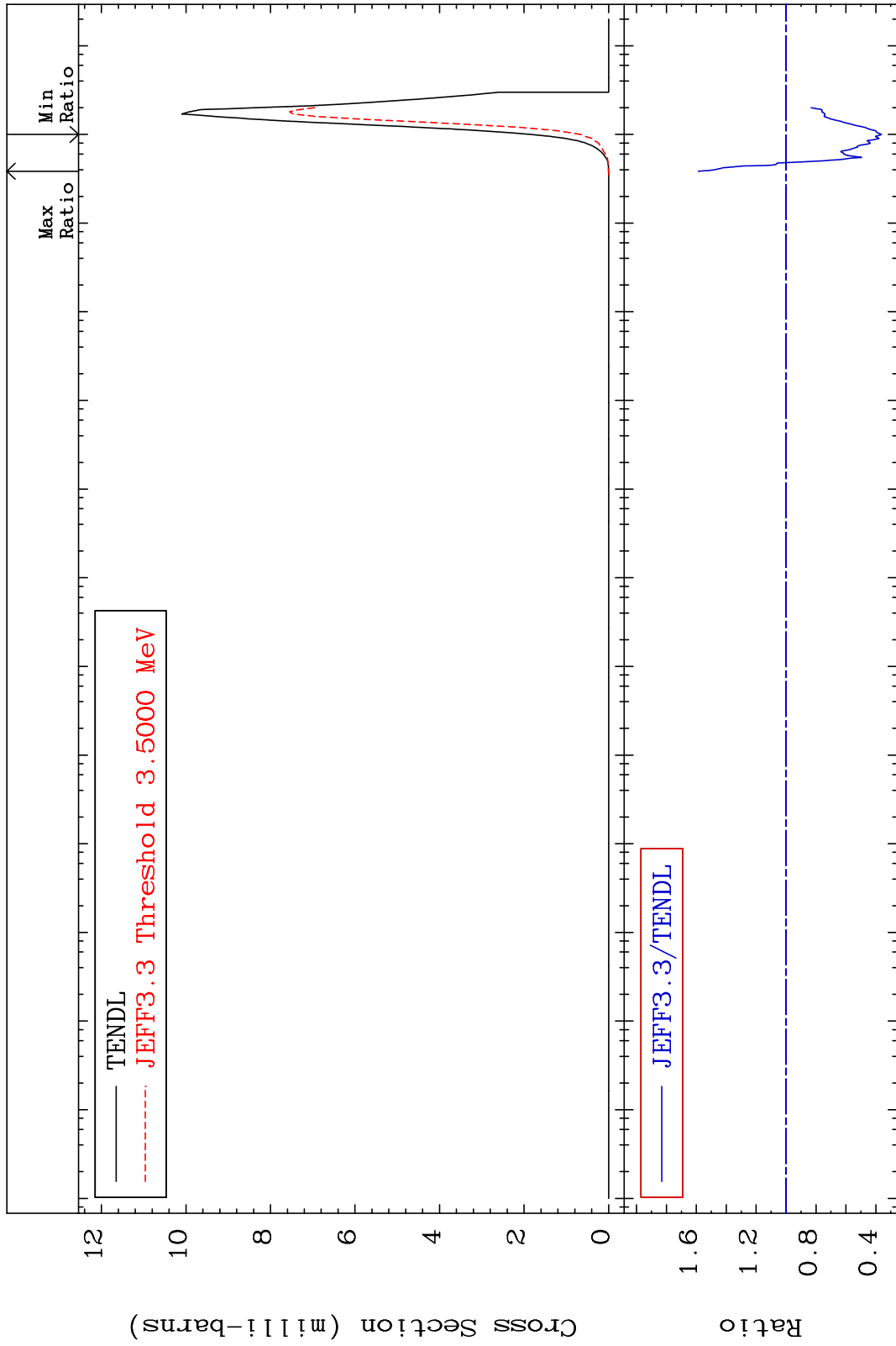
MAT 4243

(n, α)

42-Mo-98

Cross Section

-63.83 To 58.66 %



Incident Energy (eV)

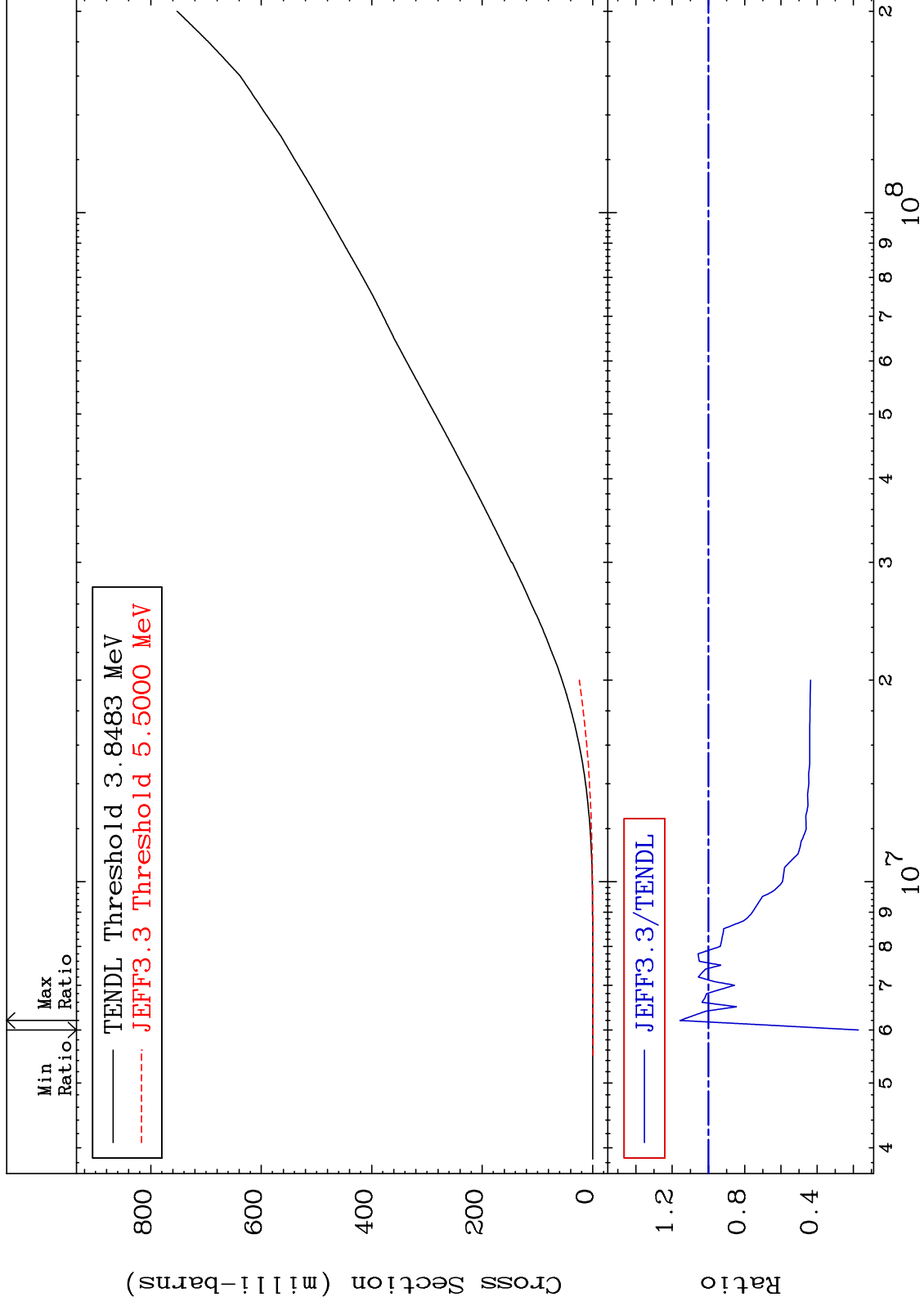
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

42-Mo-98

MAT 4243

Hydrogen Production Cross Section

42-Mo-98
-82.82 To 15.68 %



35

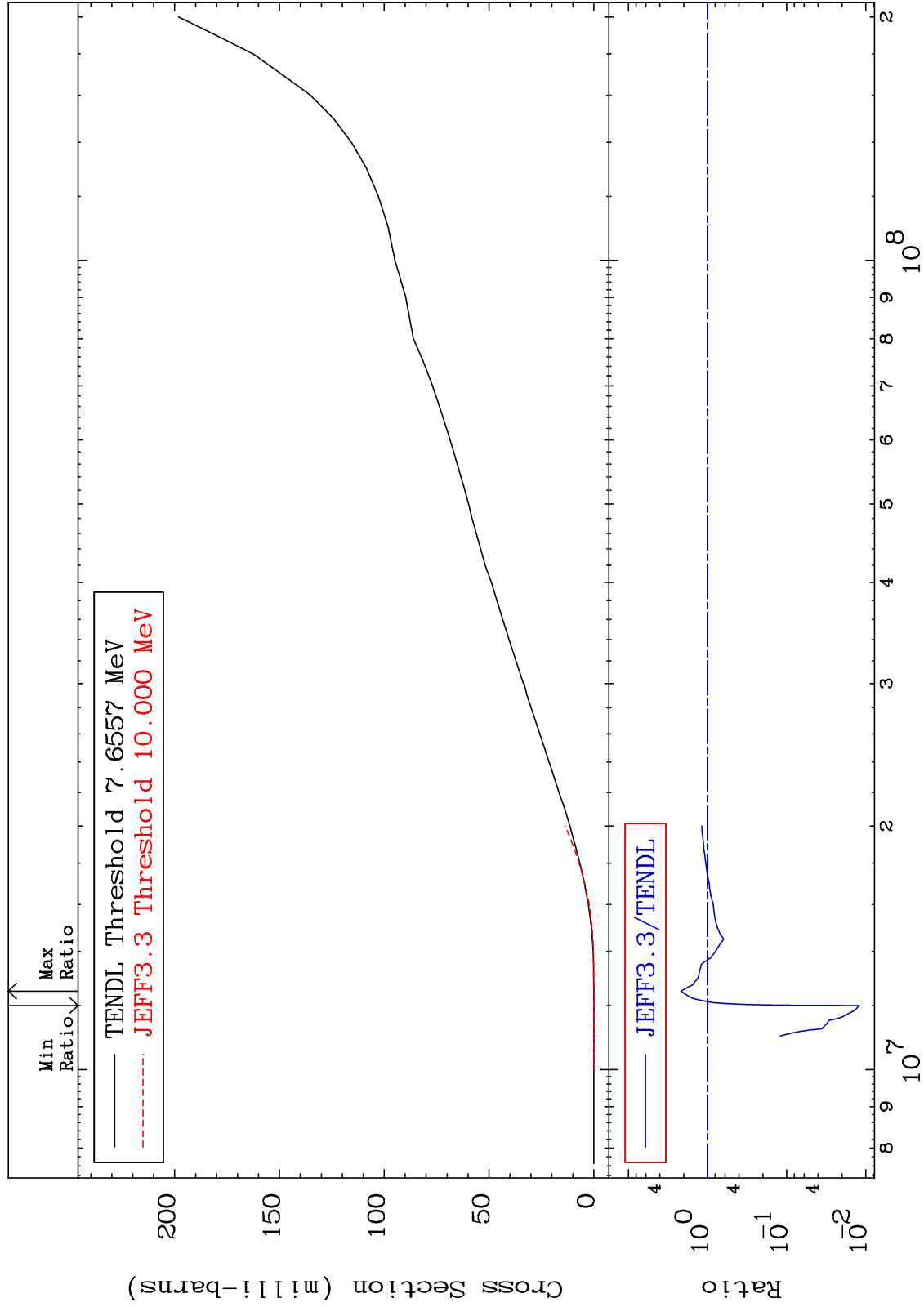
Incident Energy (eV)

42-Mo-98

MAT 4243

Deuterium Production
Cross Section

42-Mo-98
-98.79 To 116.1 %



36

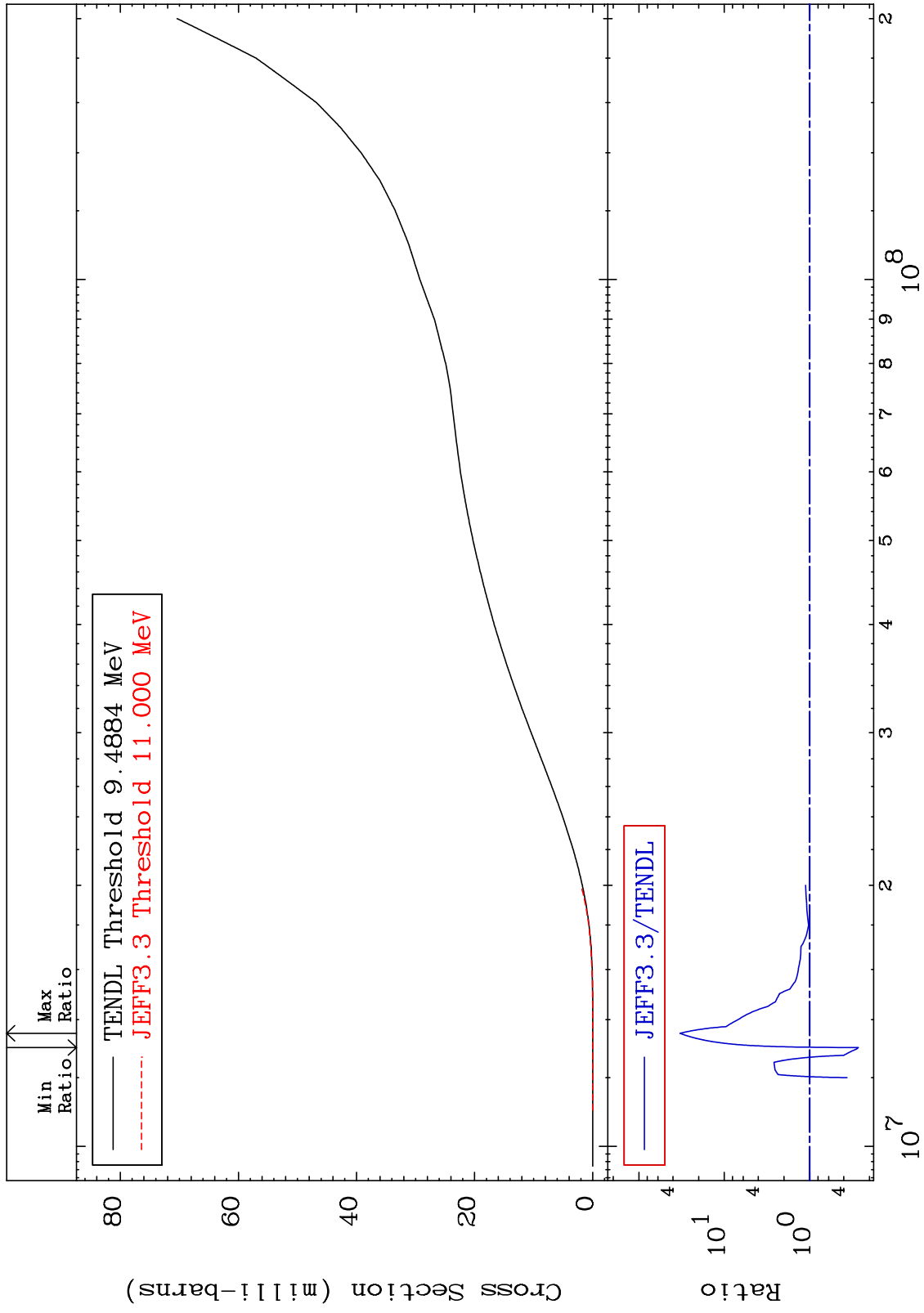
Incident Energy (eV)

42-Mo-98

MAT 4243

Tritium Production
Cross Section

42-Mo-98
-73.04 To 3200. %



37

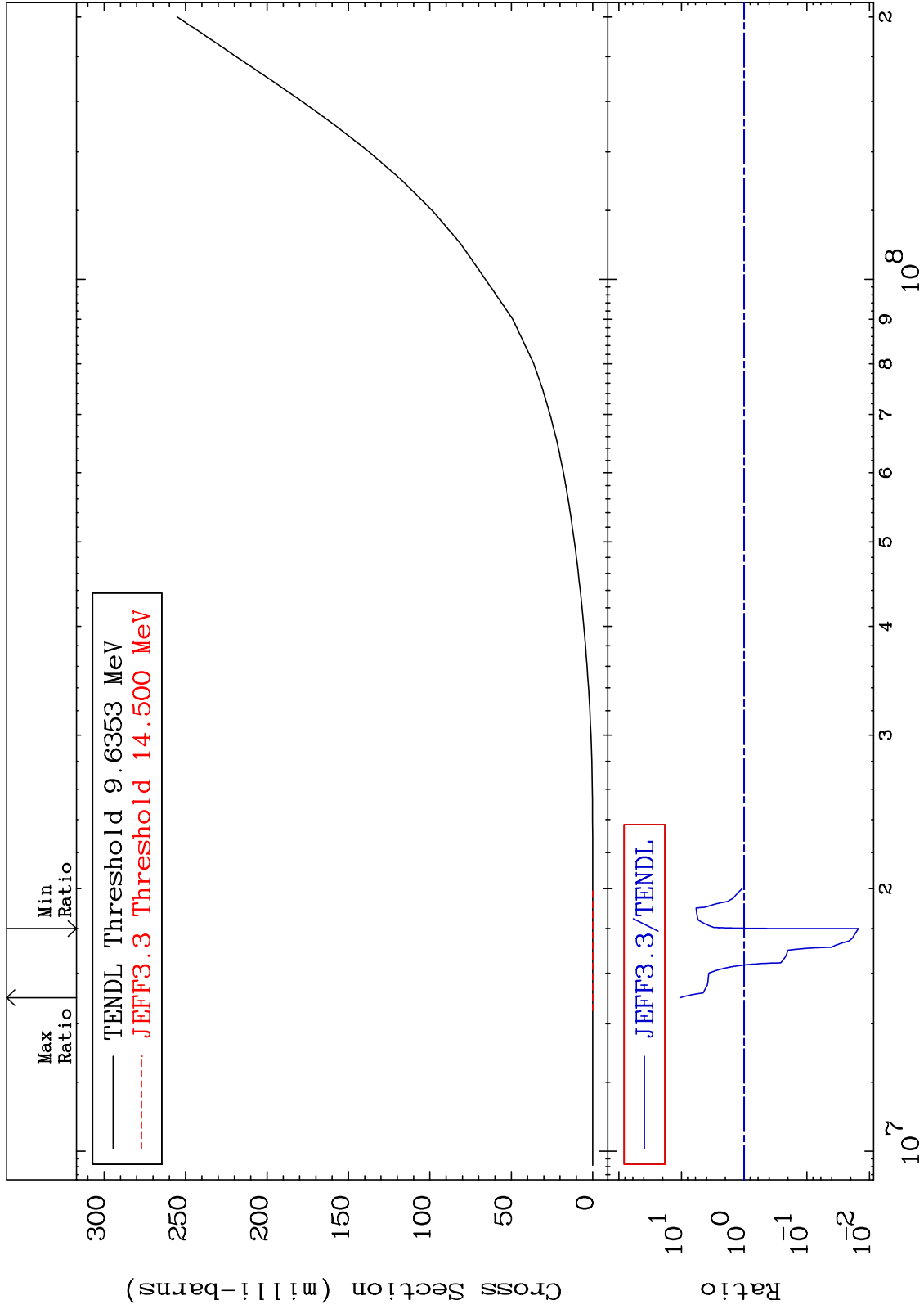
Incident Energy (eV)

42-Mo-98

MAT 4243

He-3 Production
Cross Section

42-Mo-98
-98.50 To 956.6 %



38

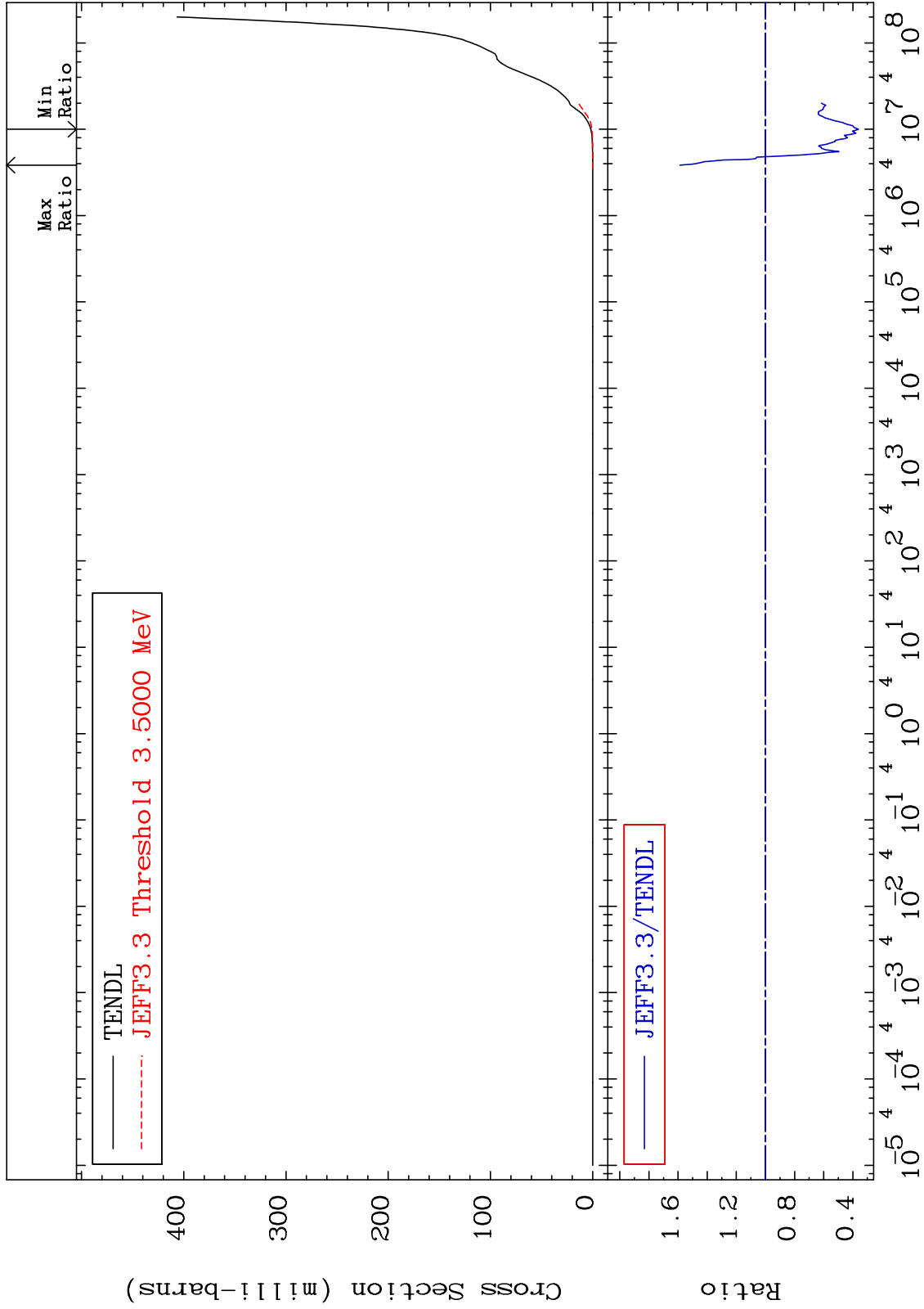
Incident Energy (eV)

42-Mo-98

MAT 4243

He-4 Production
Cross Section

42-Mo-98
-63.84 To 58.66 %



39

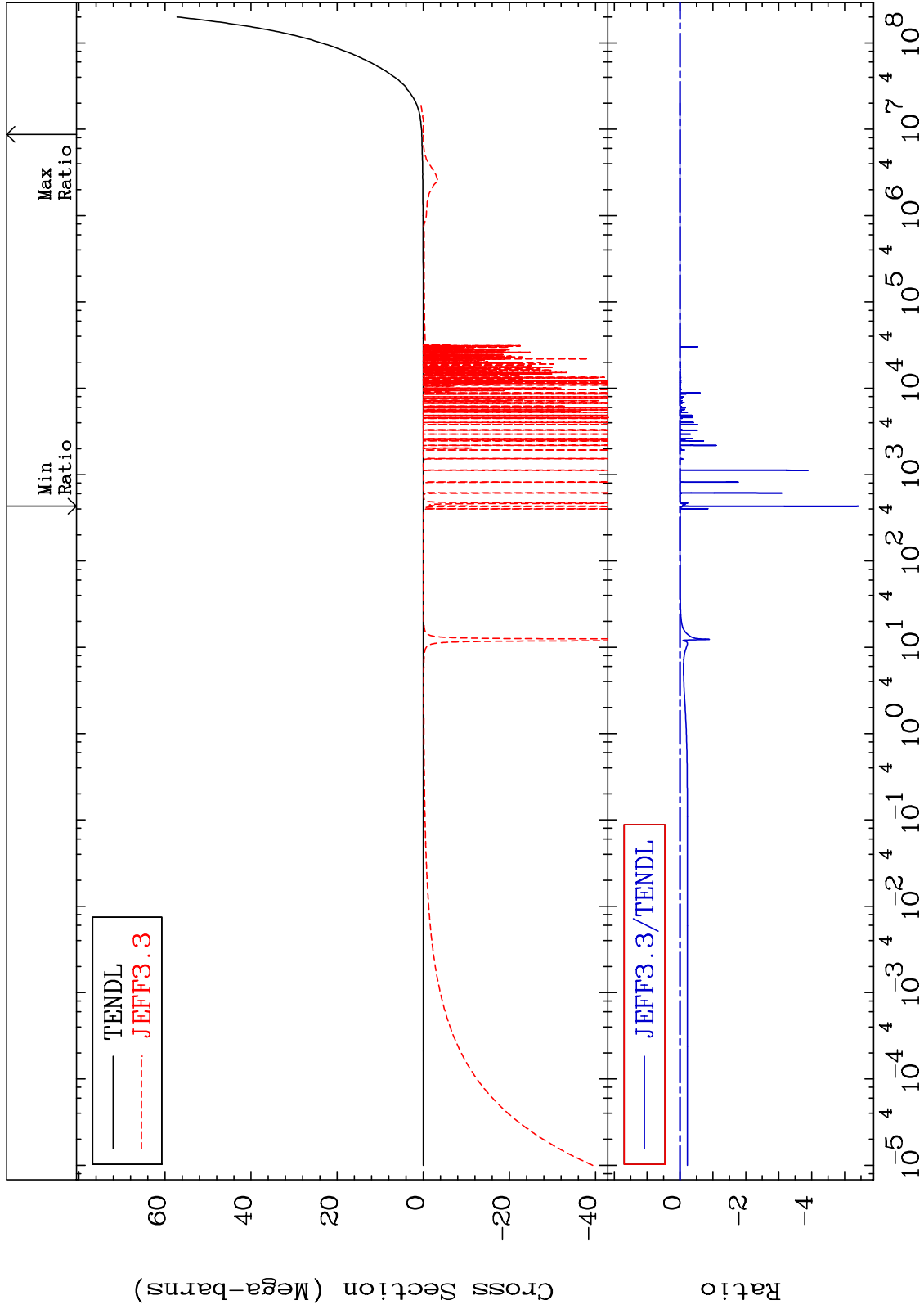
Incident Energy (eV)

42-Mo-98

MAT 4243

Kerma total (eV-barns)
Cross Section

42-Mo-98
-9999. To -24.45%



40

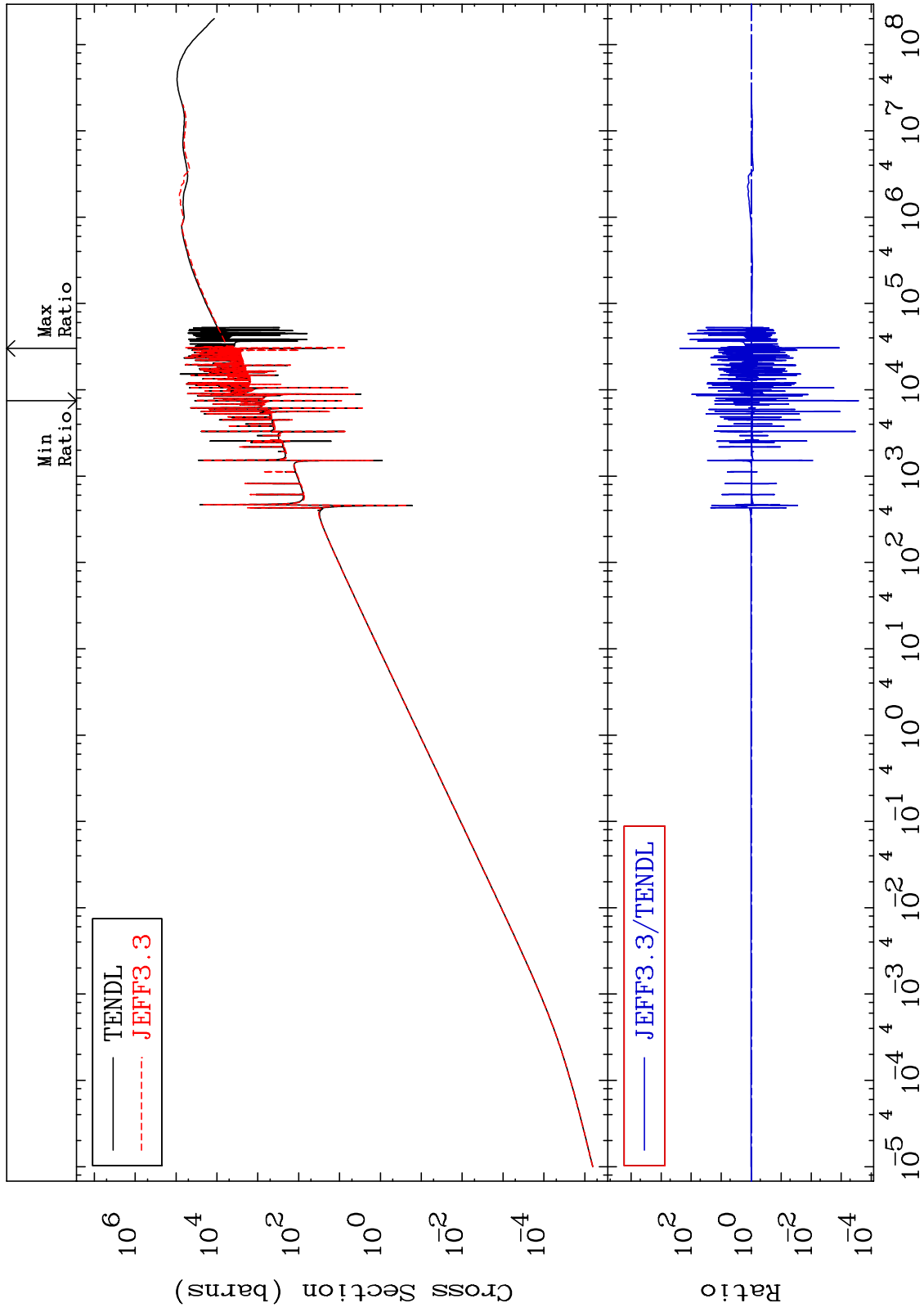
Incident Energy (eV)

42-Mo-98

MAT 4243

Kerma elastic
Cross Section

42-Mo-98
-99.97 To 9999. %



41

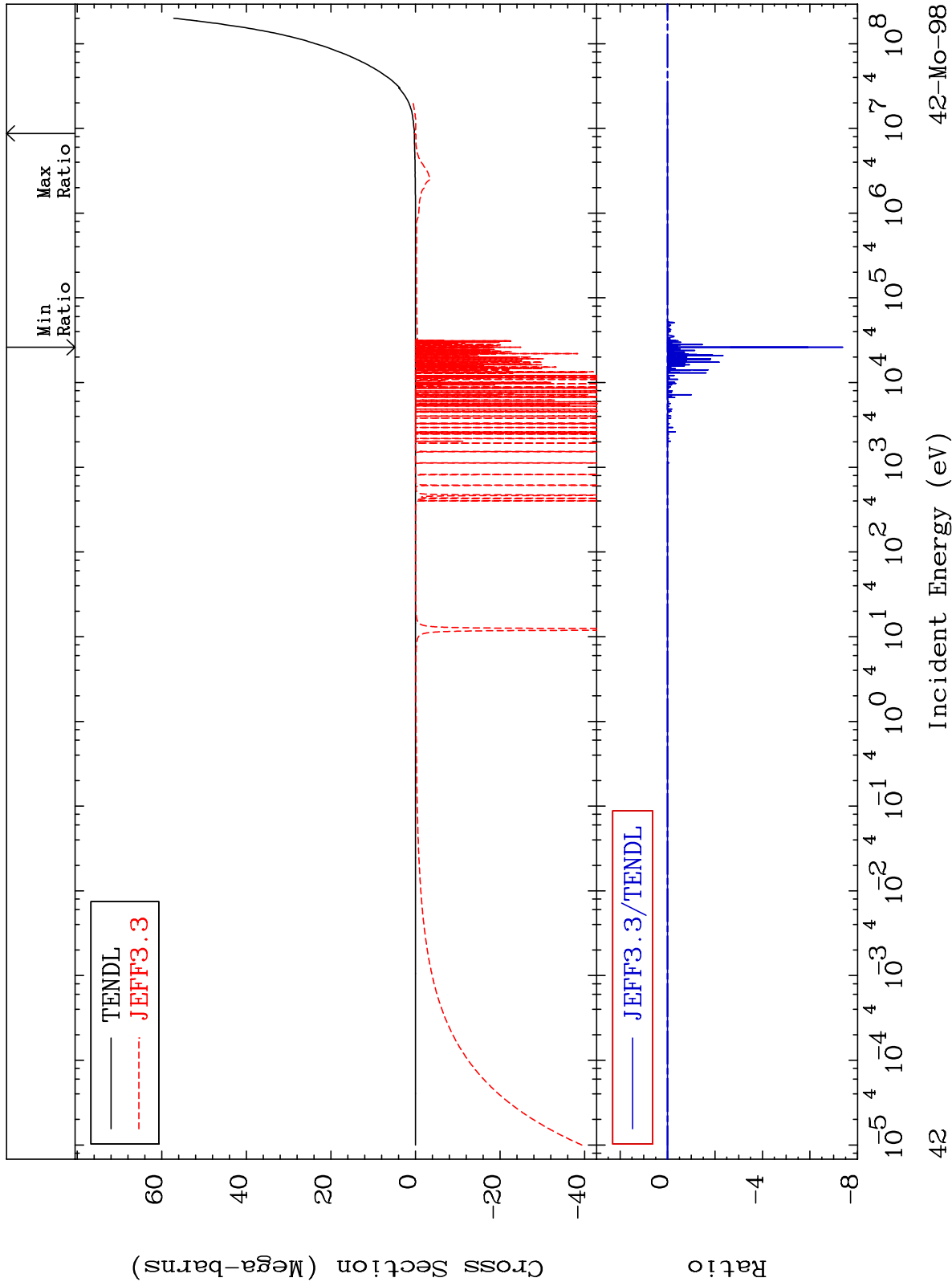
Incident Energy (eV)

42-Mo-98

MAT 4243

Kerma non-elastic (all but mt2)
Cross Section

42-Mo-98
-9999. To -28.87%



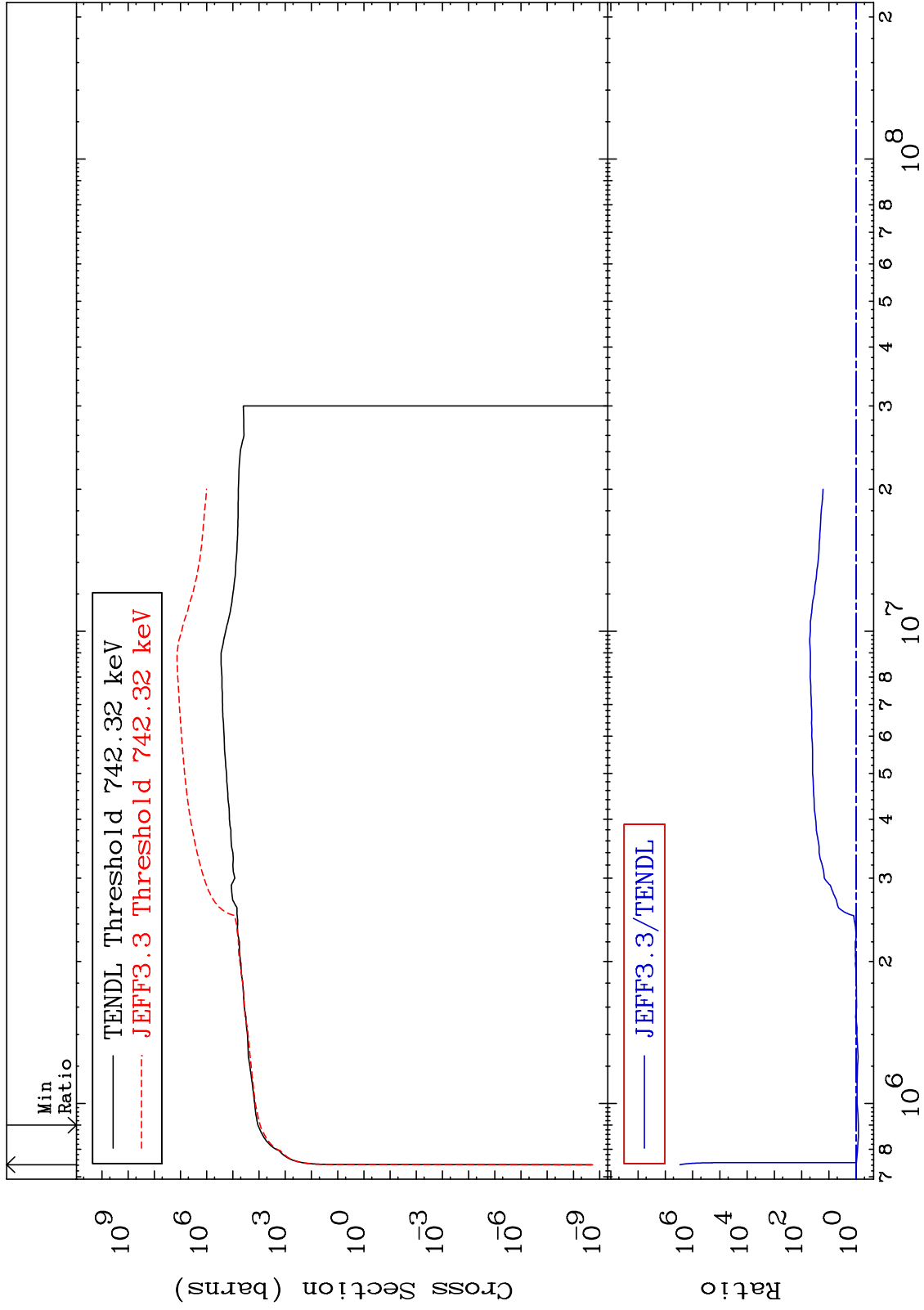
42-Mo-98

42

MAT 4243

Kerma inelastic (mt51-91)
Cross Section

42-Mo-98
-16.57 To 9999. %



43

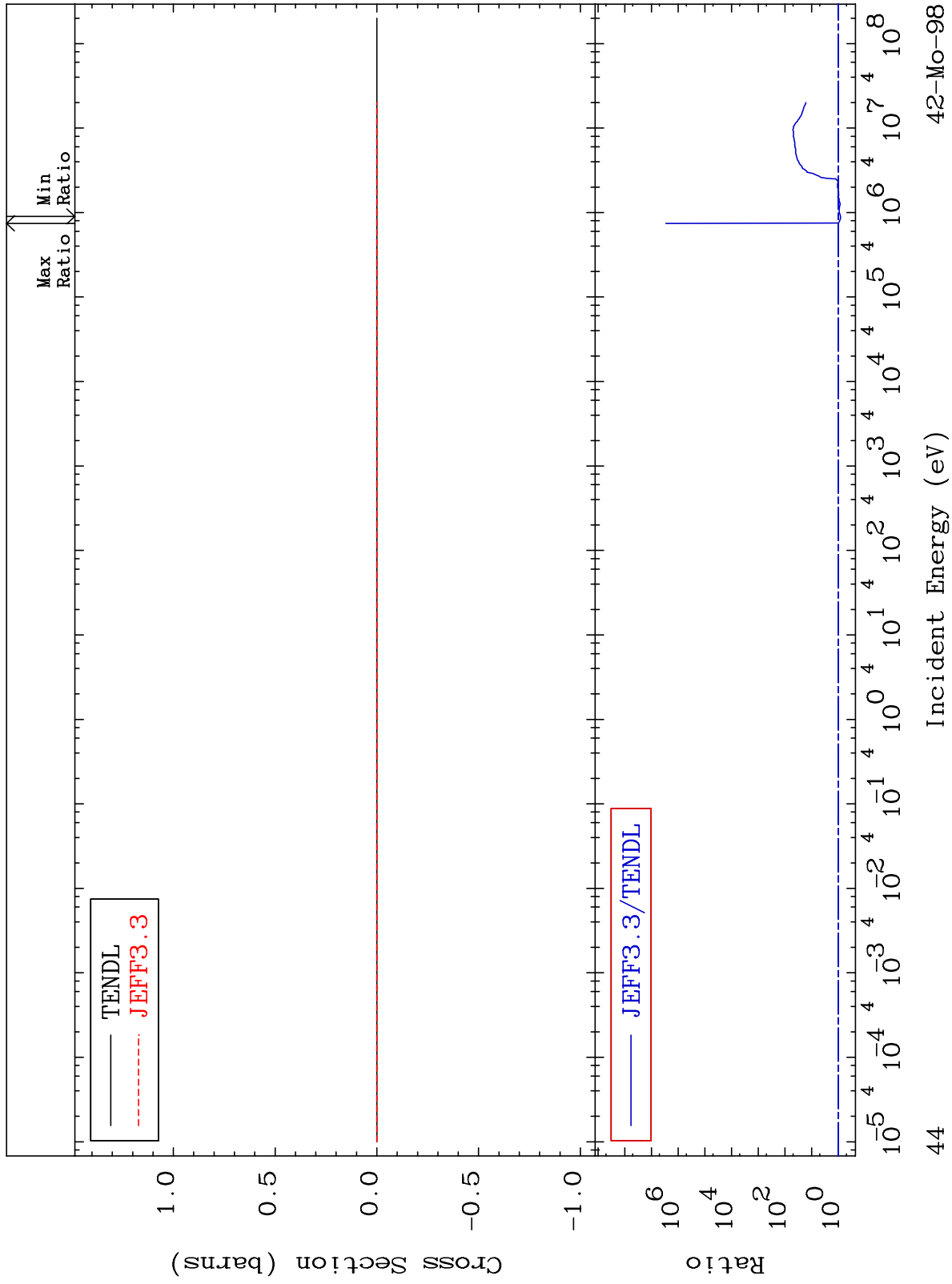
Incident Energy (eV)

42-Mo-98

MAT 4243

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

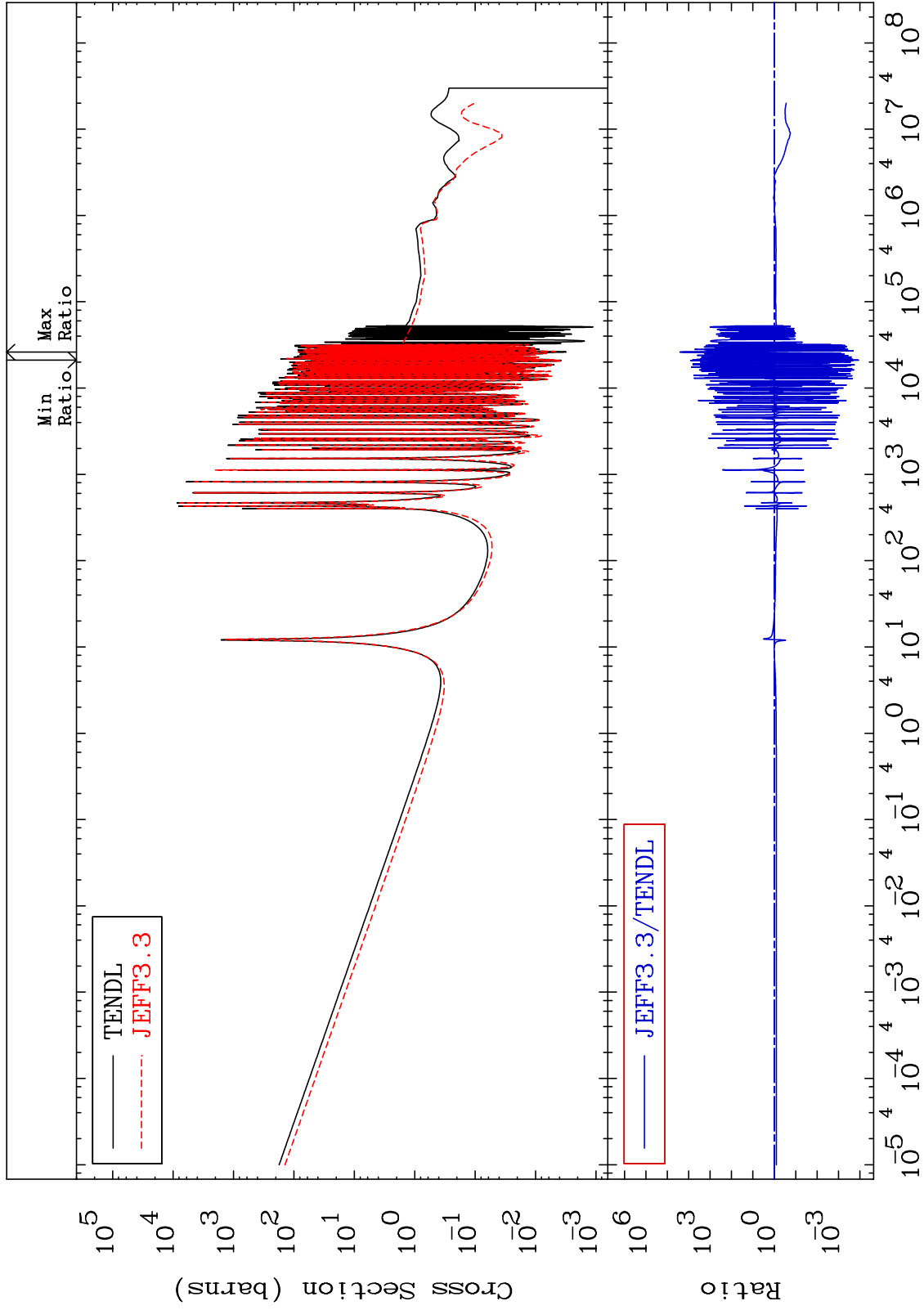
42-Mo-98
-16.57 To 9999. %



MAT 4243

Kerma capture (mt102)
Cross Section

42-Mo-98
-99.99 To 9999. %



45

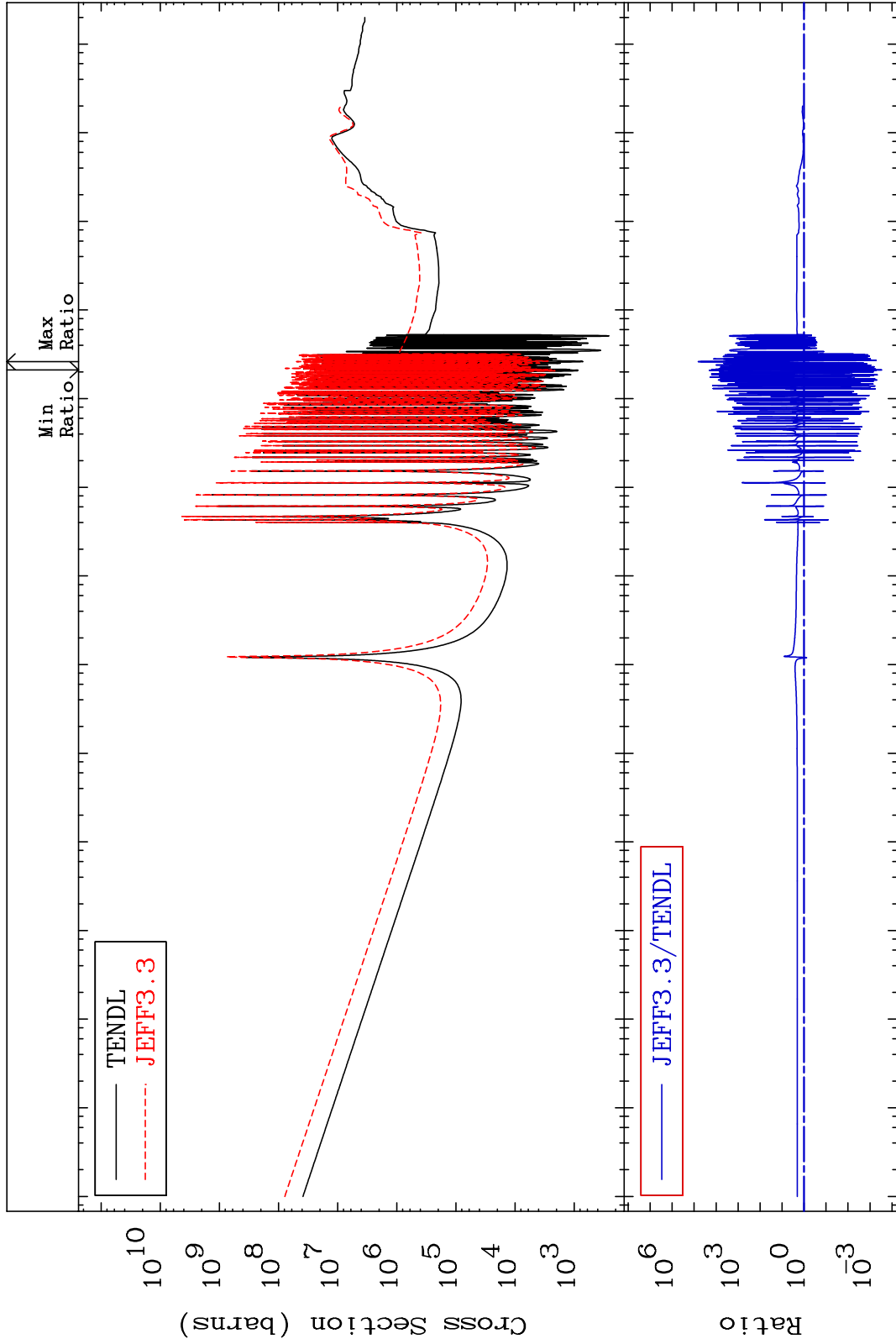
Incident Energy (eV)

42-Mo-98

MAT 4243

Total photon (eV-barns)
Cross Section

42-Mo-98
-99.97 To 9999. %



46

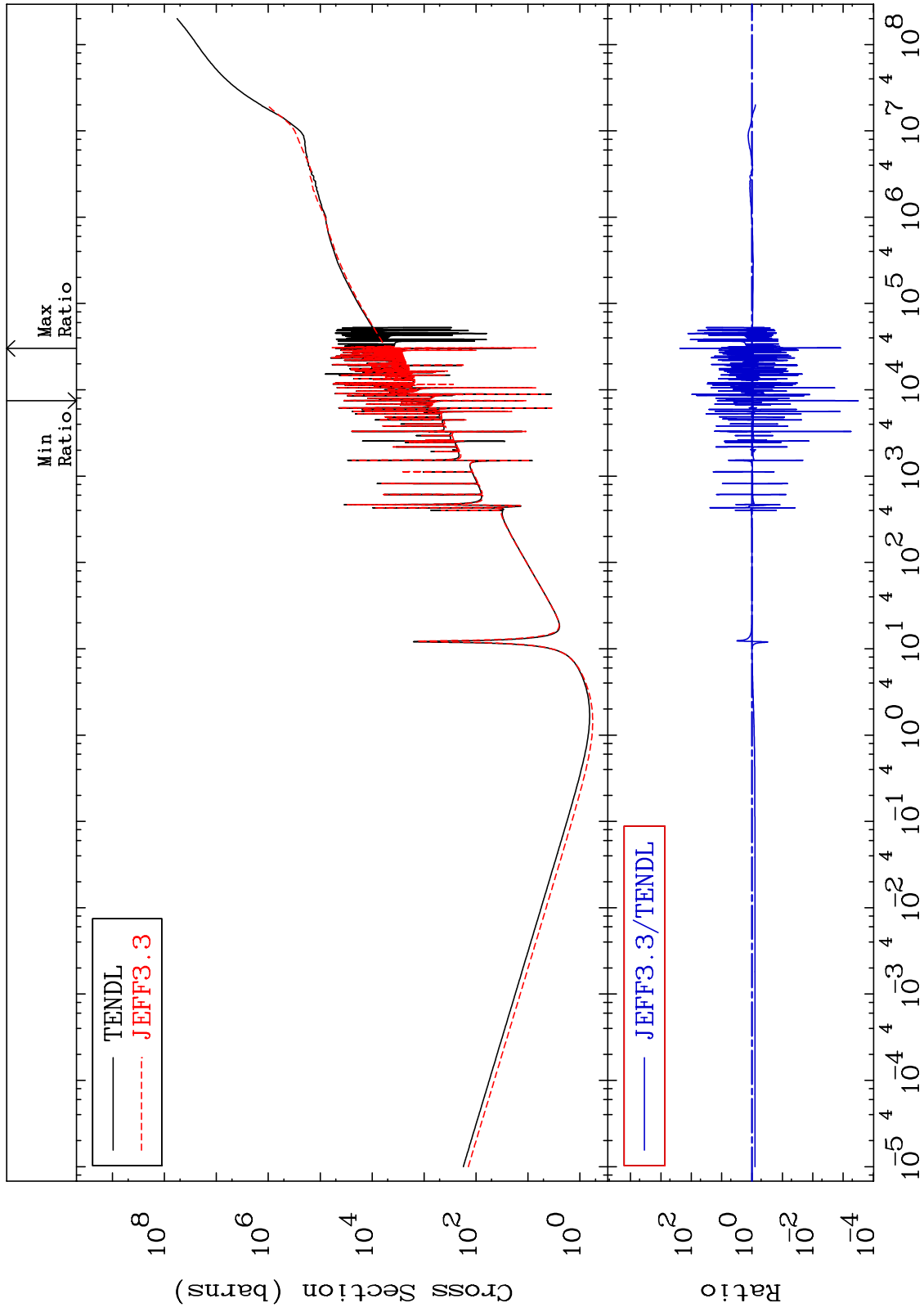
Incident Energy (eV)

42-Mo-98

MAT 4243

Total kinematic kerma (high limit)
Cross Section

42-Mo-98
-99.97 To 9999. %



47

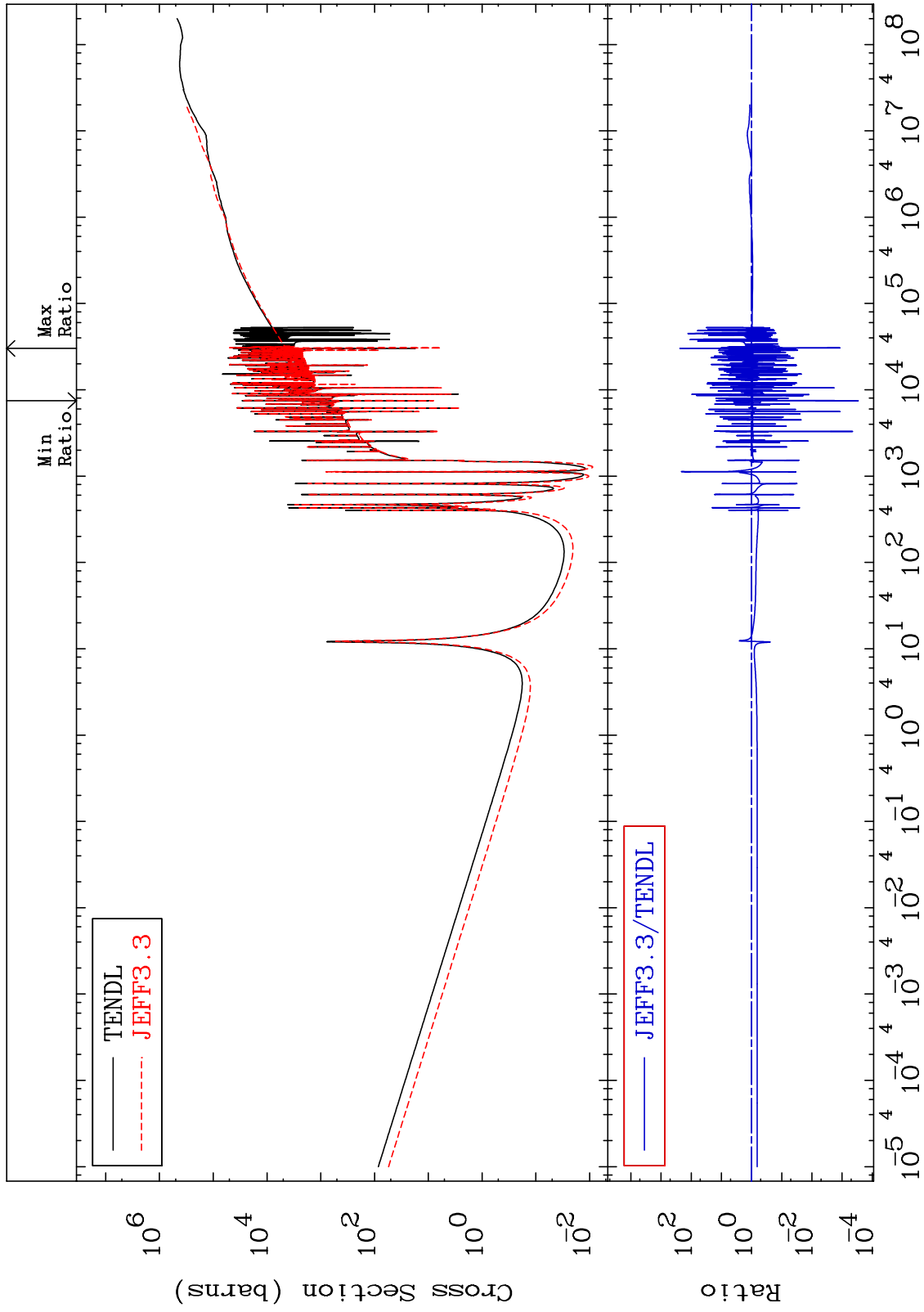
Incident Energy (eV)

42-Mo-98

MAT 4243

Dpa total (eV-barns)
Cross Section

42-Mo-98
-99.97 To 9999. %



48

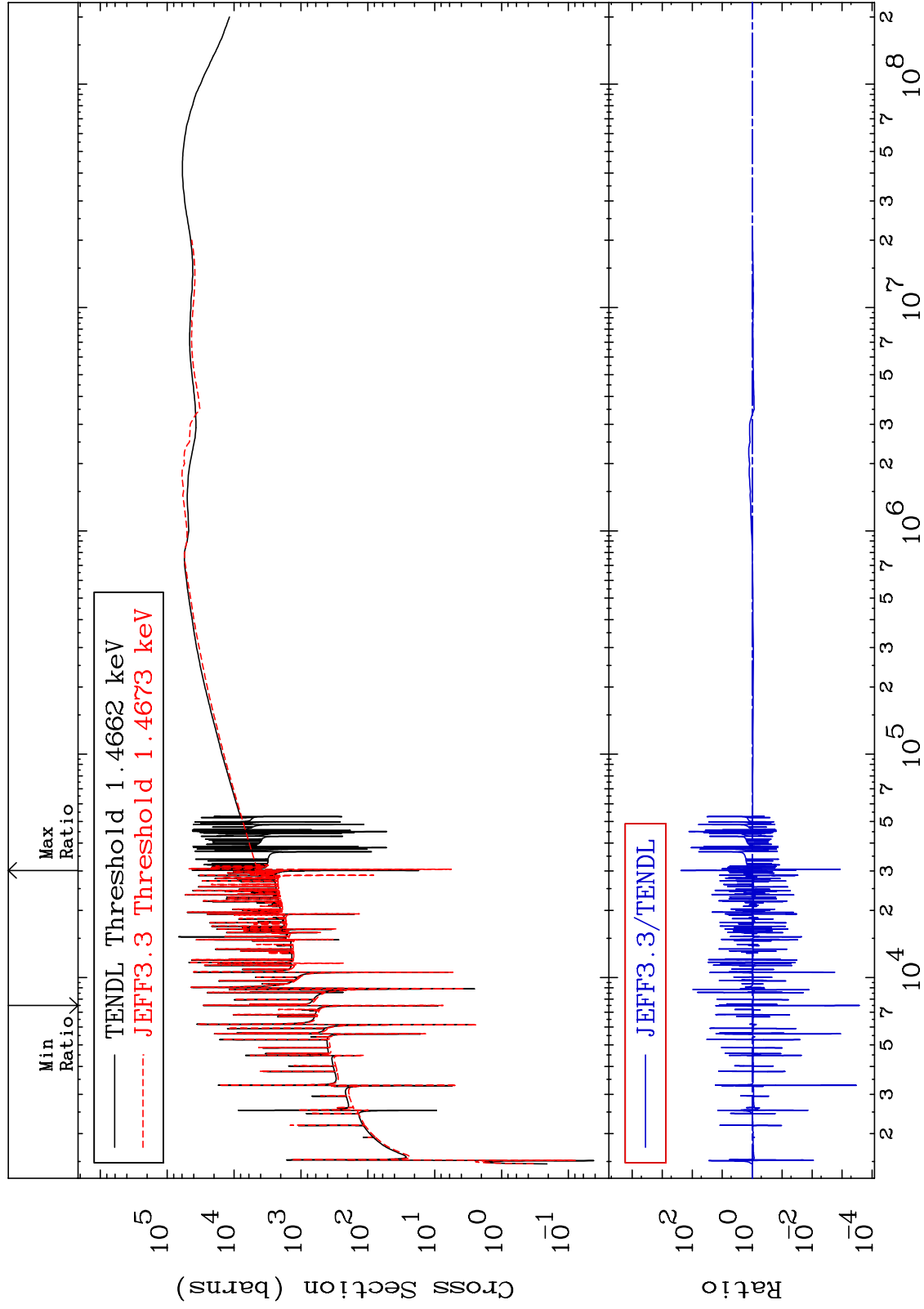
Incident Energy (eV)

42-Mo-98

MAT 4243

Dpa elastic (mt2)
Cross Section

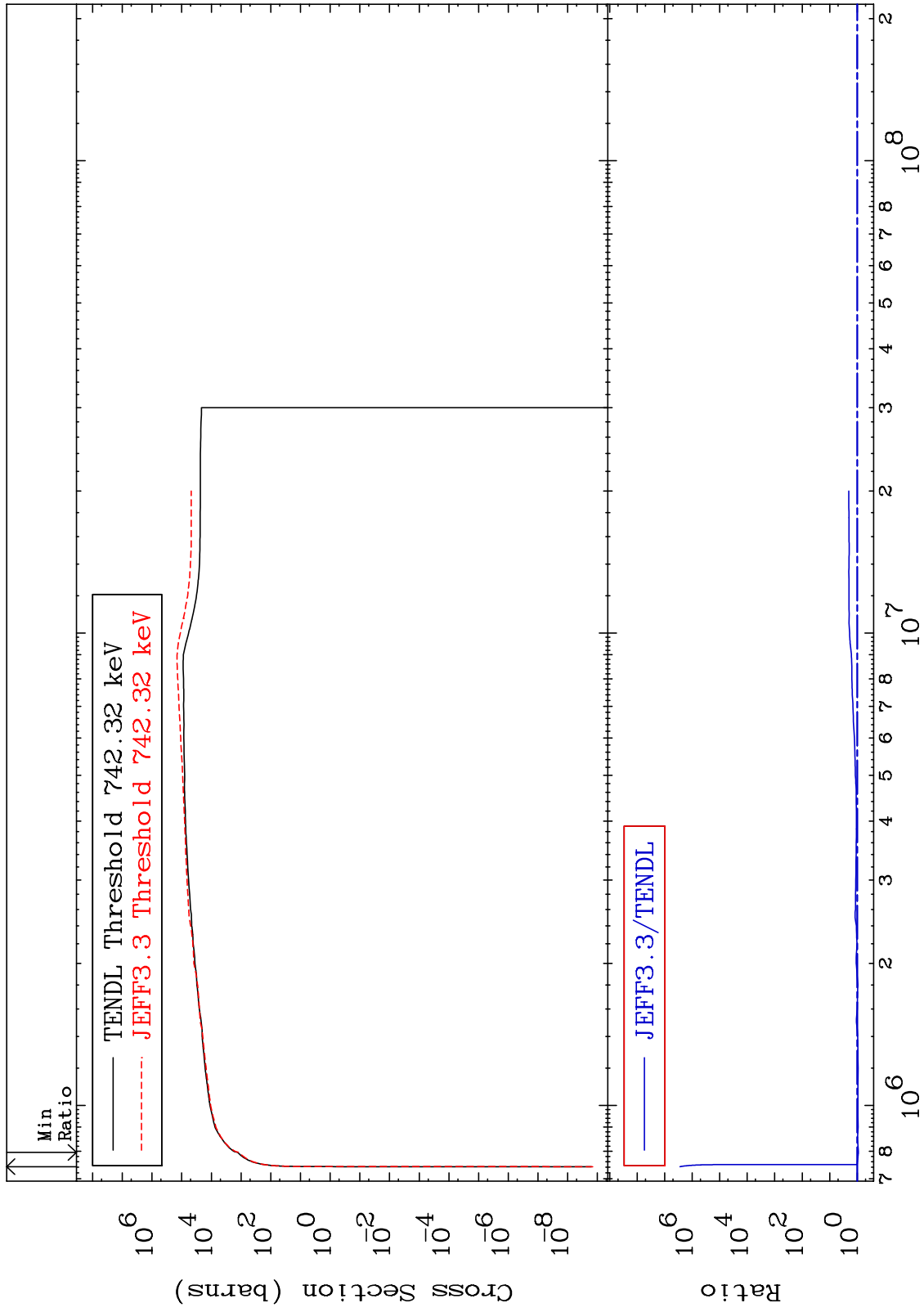
42-Mo-98
-99.97 To 9999. %



MAT 4243

Dpa inelastic (mt51-91)
Cross Section

42-Mo-98
-9.446 To 9999. %



50

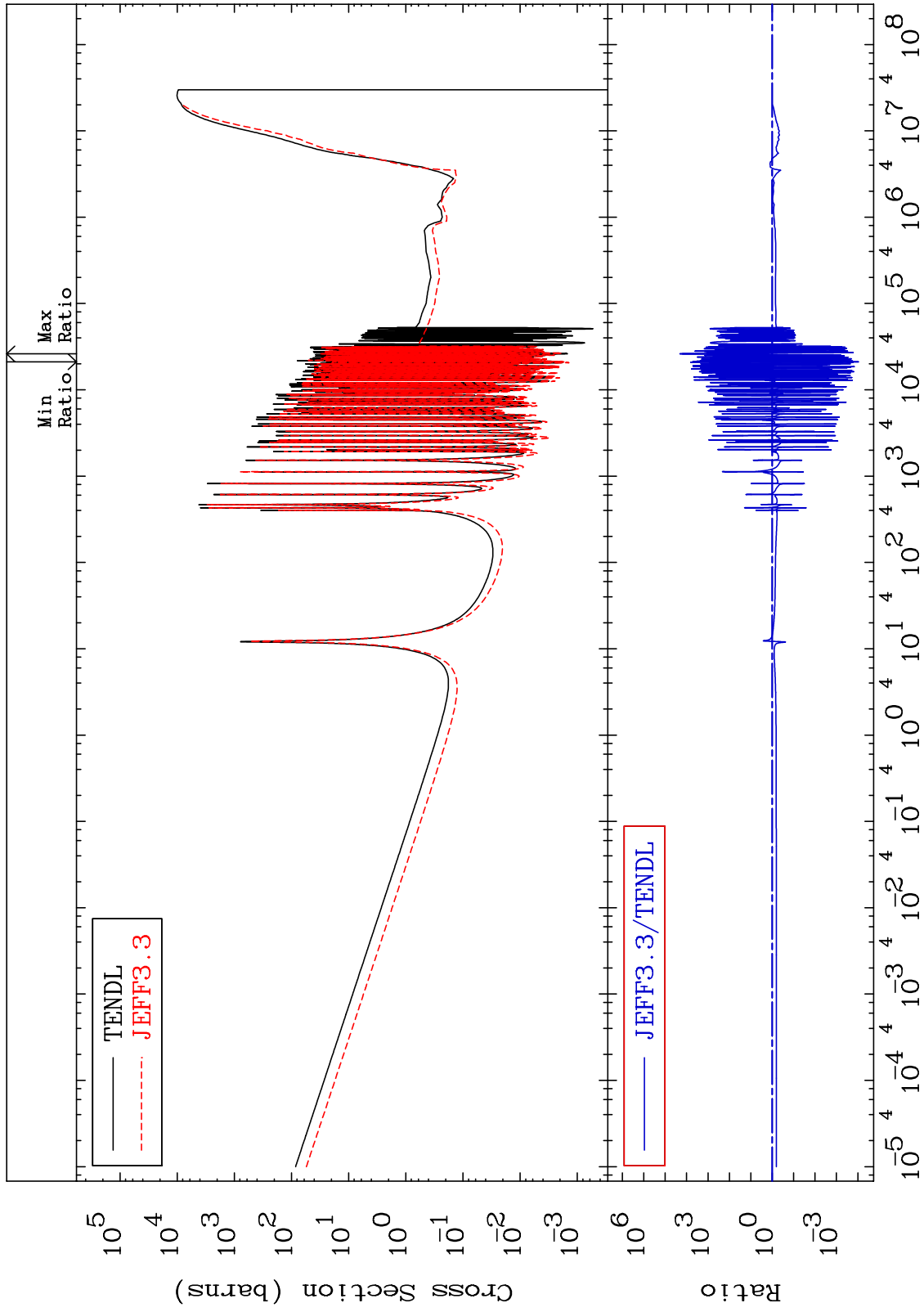
Incident Energy (eV)

42-Mo-98

MAT 4243

Dpa disappearance (mt102 -120)
Cross Section

42-Mo-98
-99.99 To 9999. %



51

Incident Energy (eV)

42-Mo-98