

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

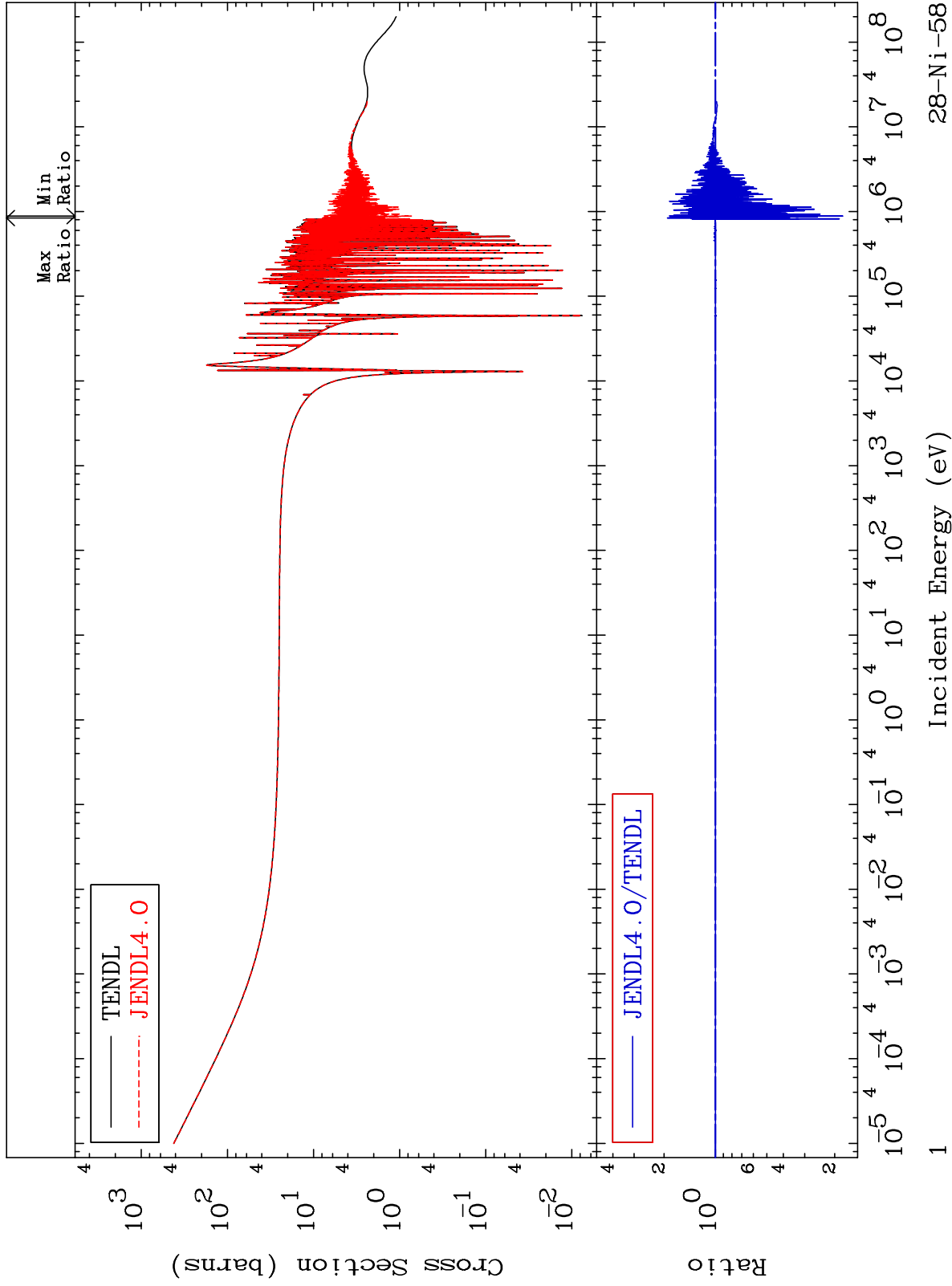
MAT 2825

Total

28-Ni-58

Cross Section

-82.05 To 91.02 %



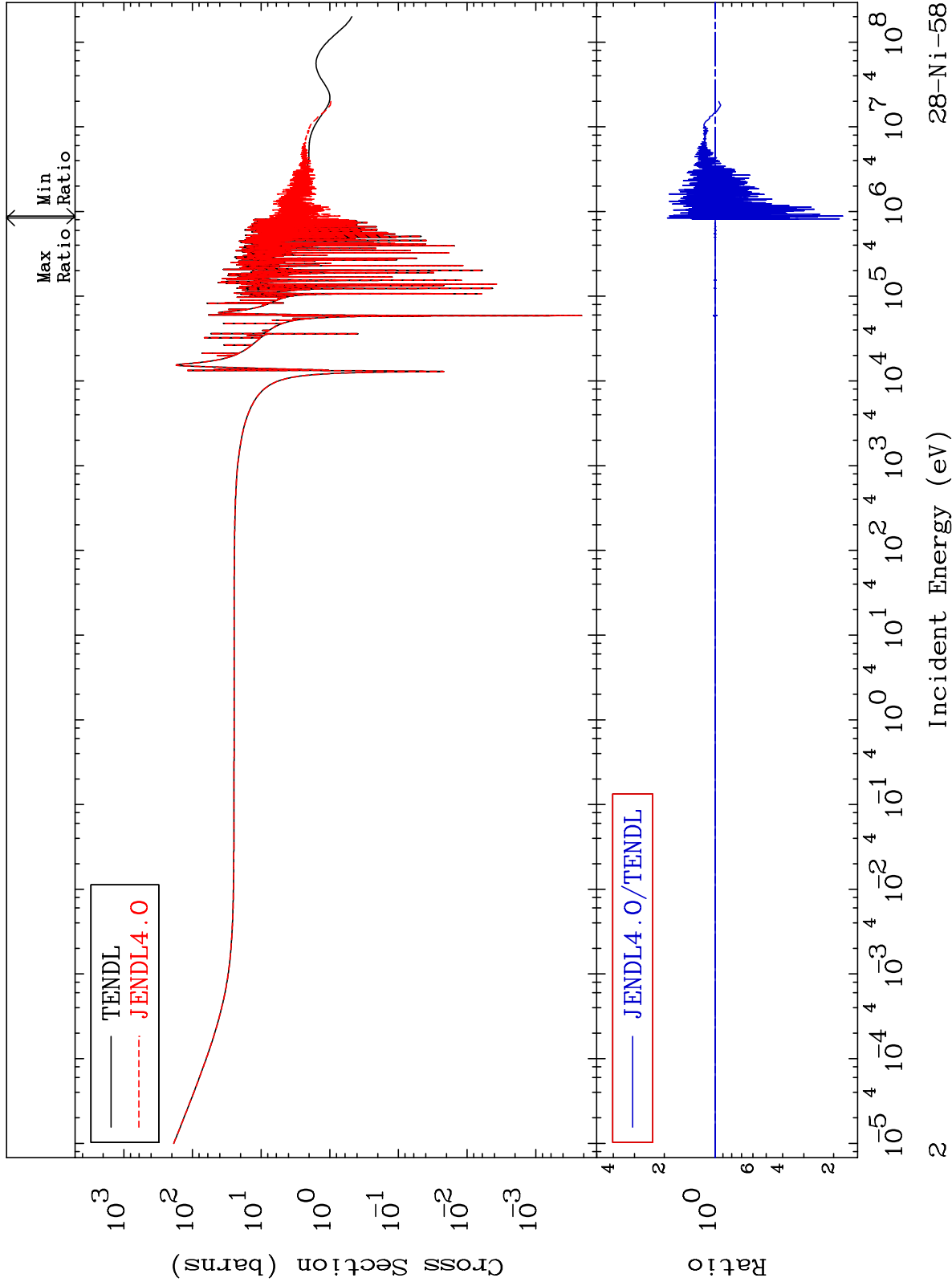
Incident Energy (eV)

28-Ni-58

MAT 2825

Elastic
Cross Section

28-Ni-58
-82.29 To 91.24 %



28-Ni-58

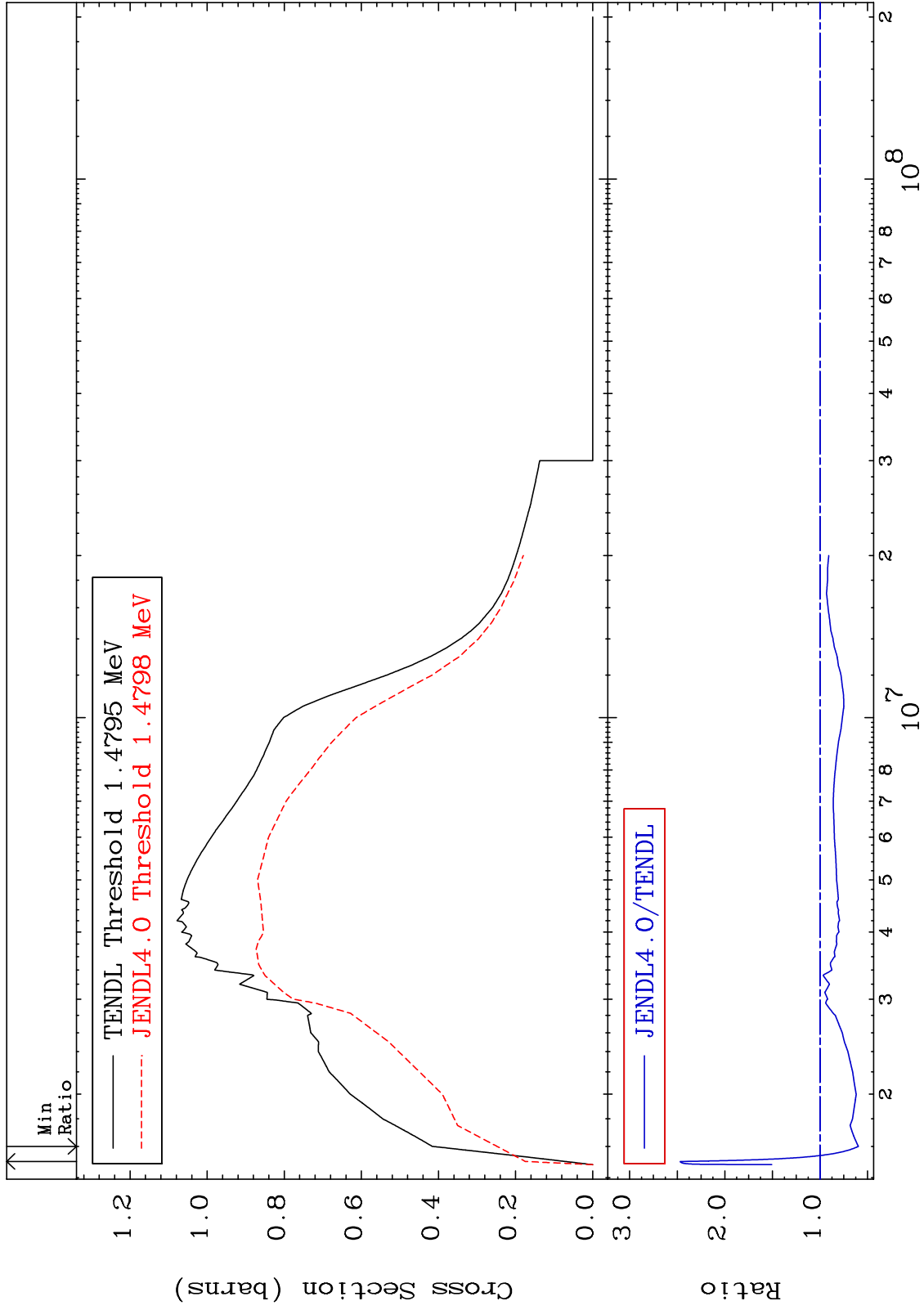
Incident Energy (eV)

2

MAT 2825

Inelastic
Cross Section

28-Ni-58
-40.32 To 147.1 %



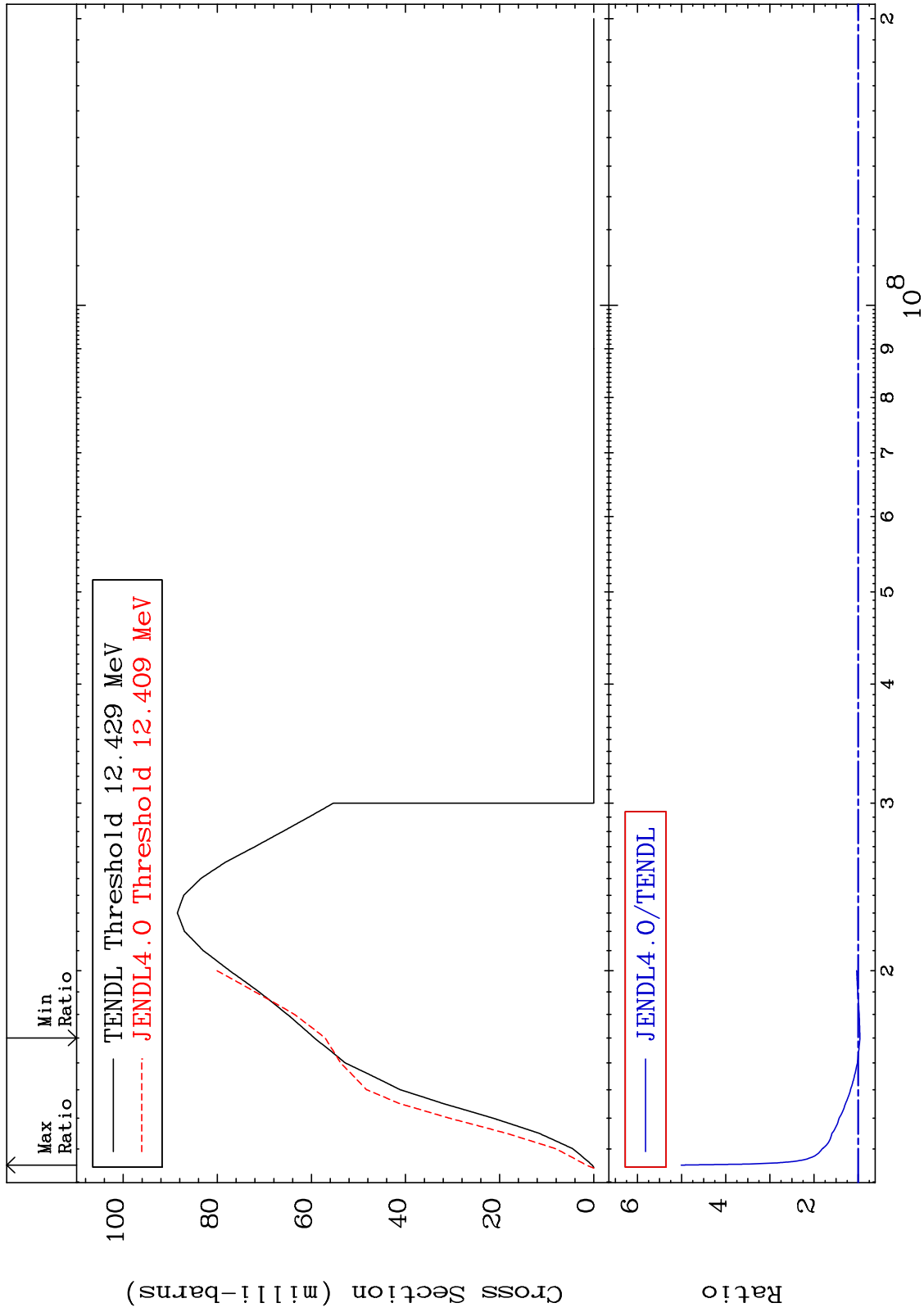
MAT 2825

(n,2n)

28-Ni-58

Cross Section

-3.848 To 401.1 %



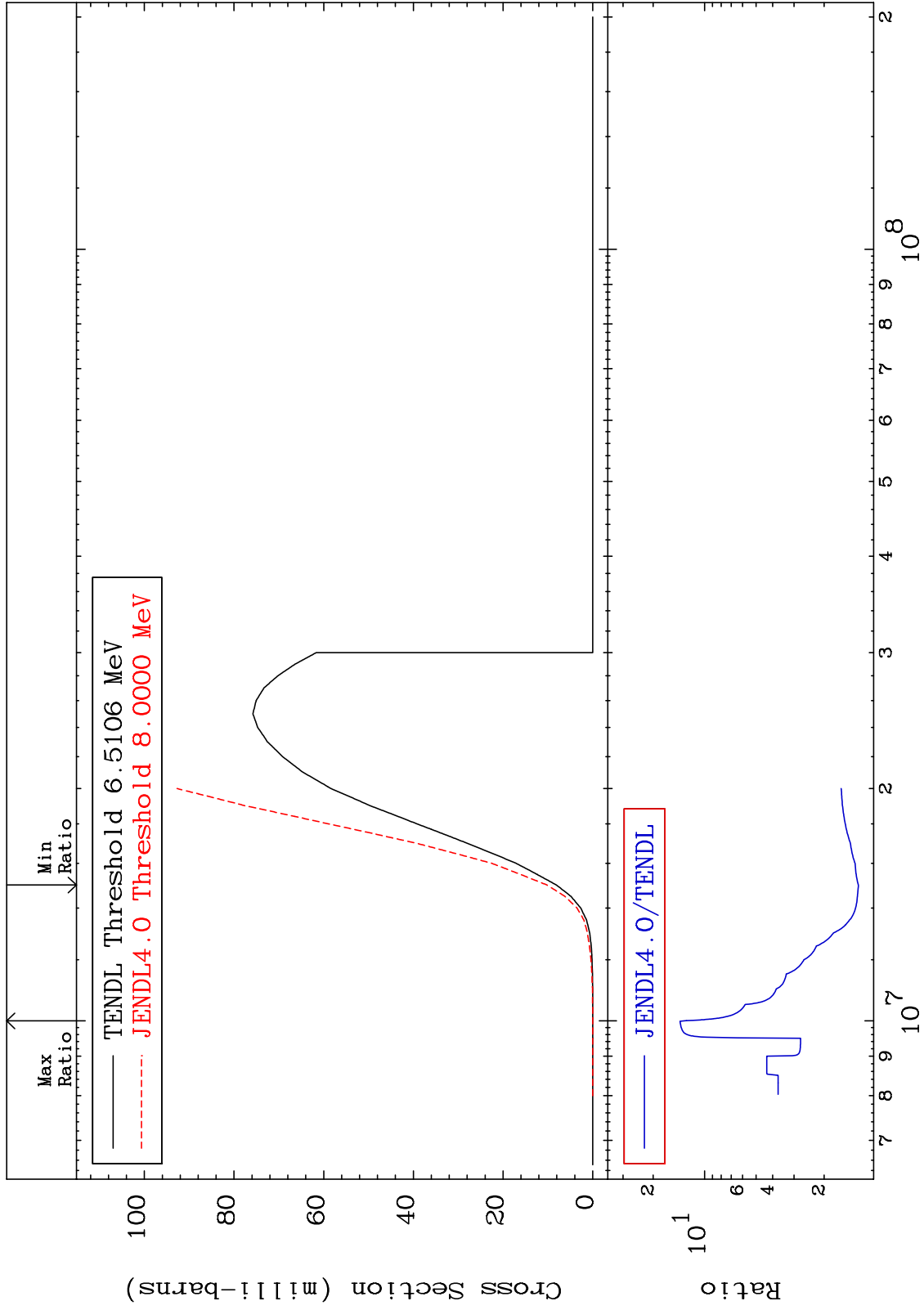
MAT 2825

(n,n') α

28-Ni-58

Cross Section

26.01 To 1293. %



5

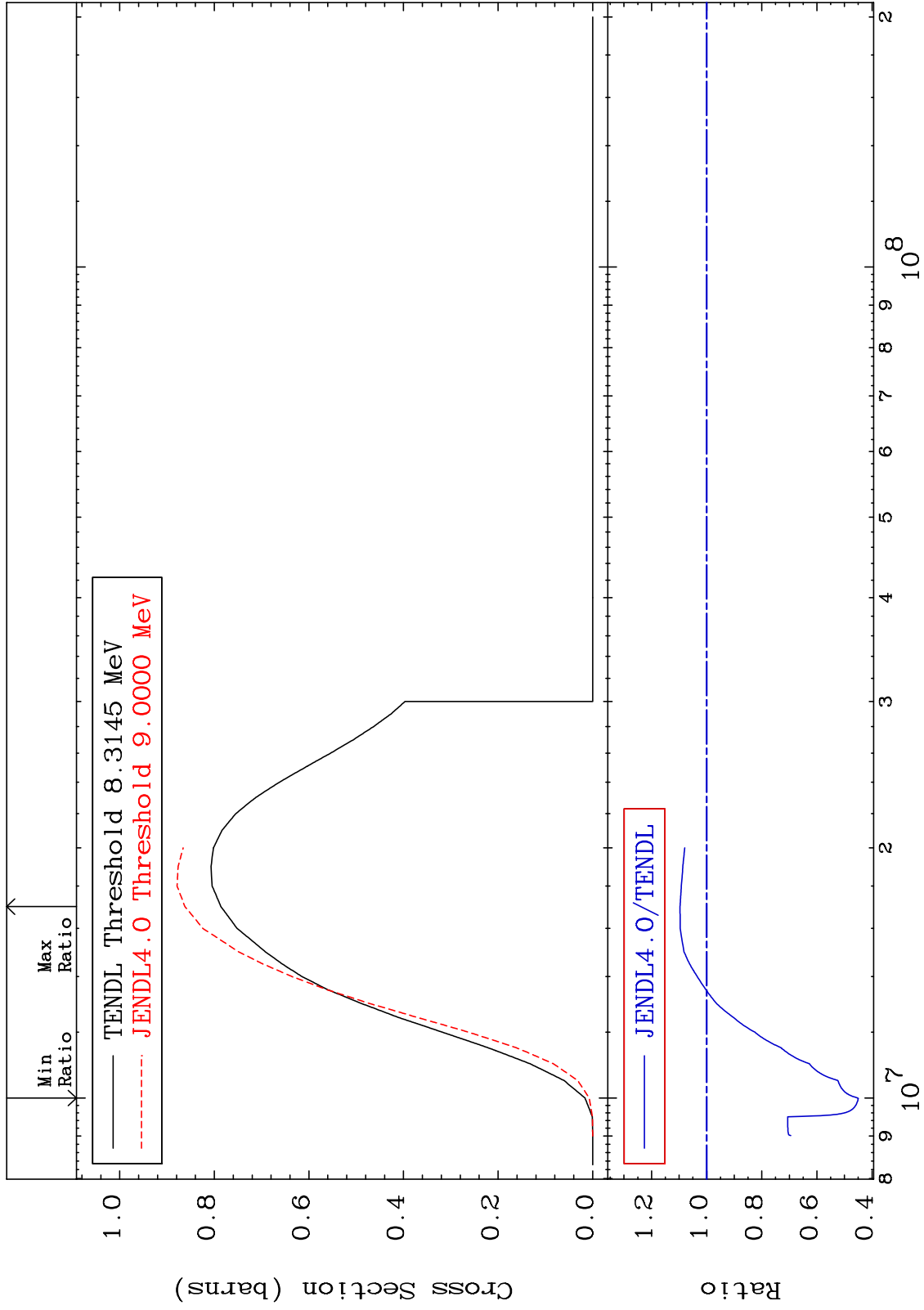
28-Ni-58

28-Ni-58

MAT 2825

(n,n') p
Cross Section

28-Ni-58
-55.06 To 9.674 %



28-Ni-58

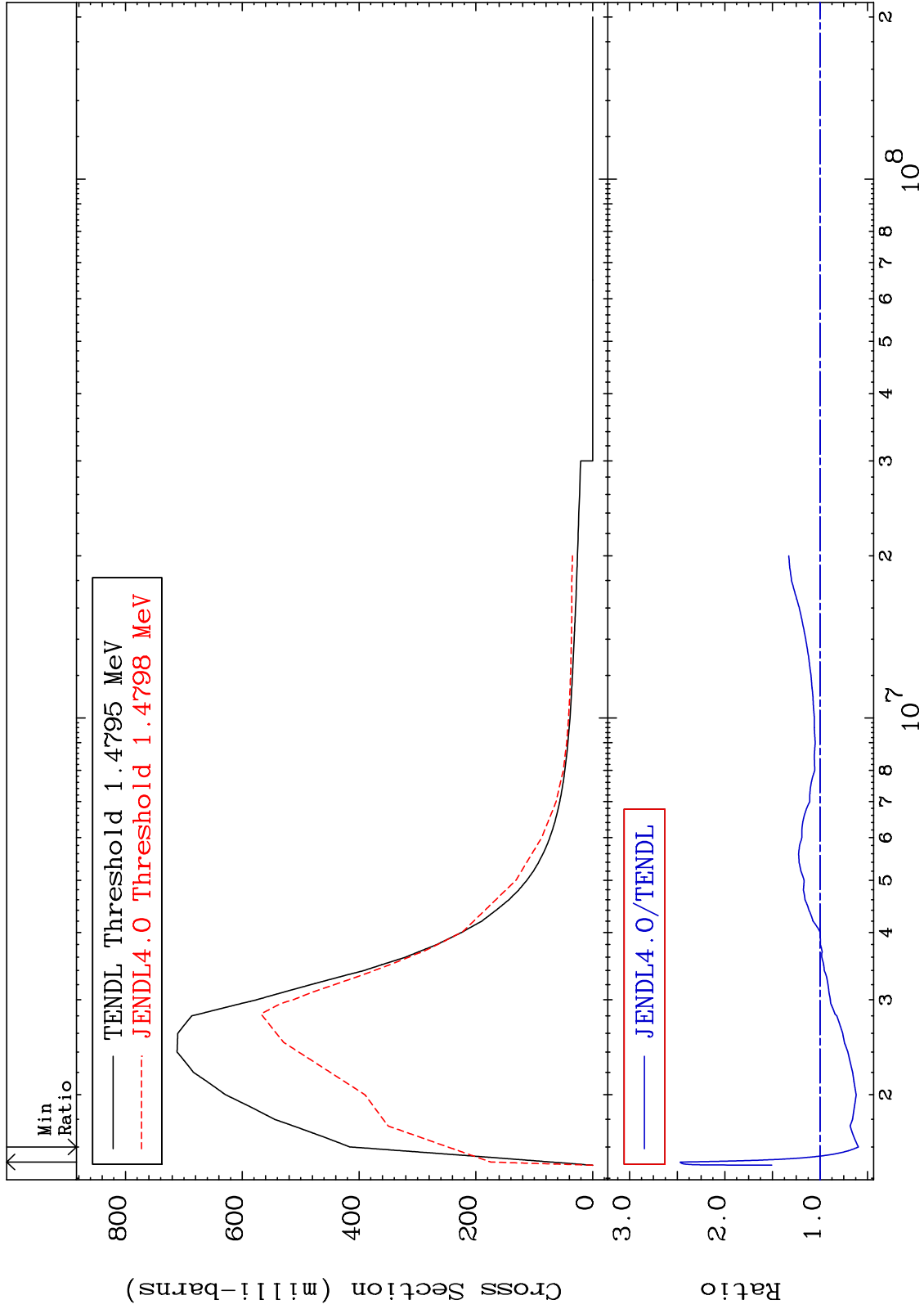
Incident Energy (eV)

6

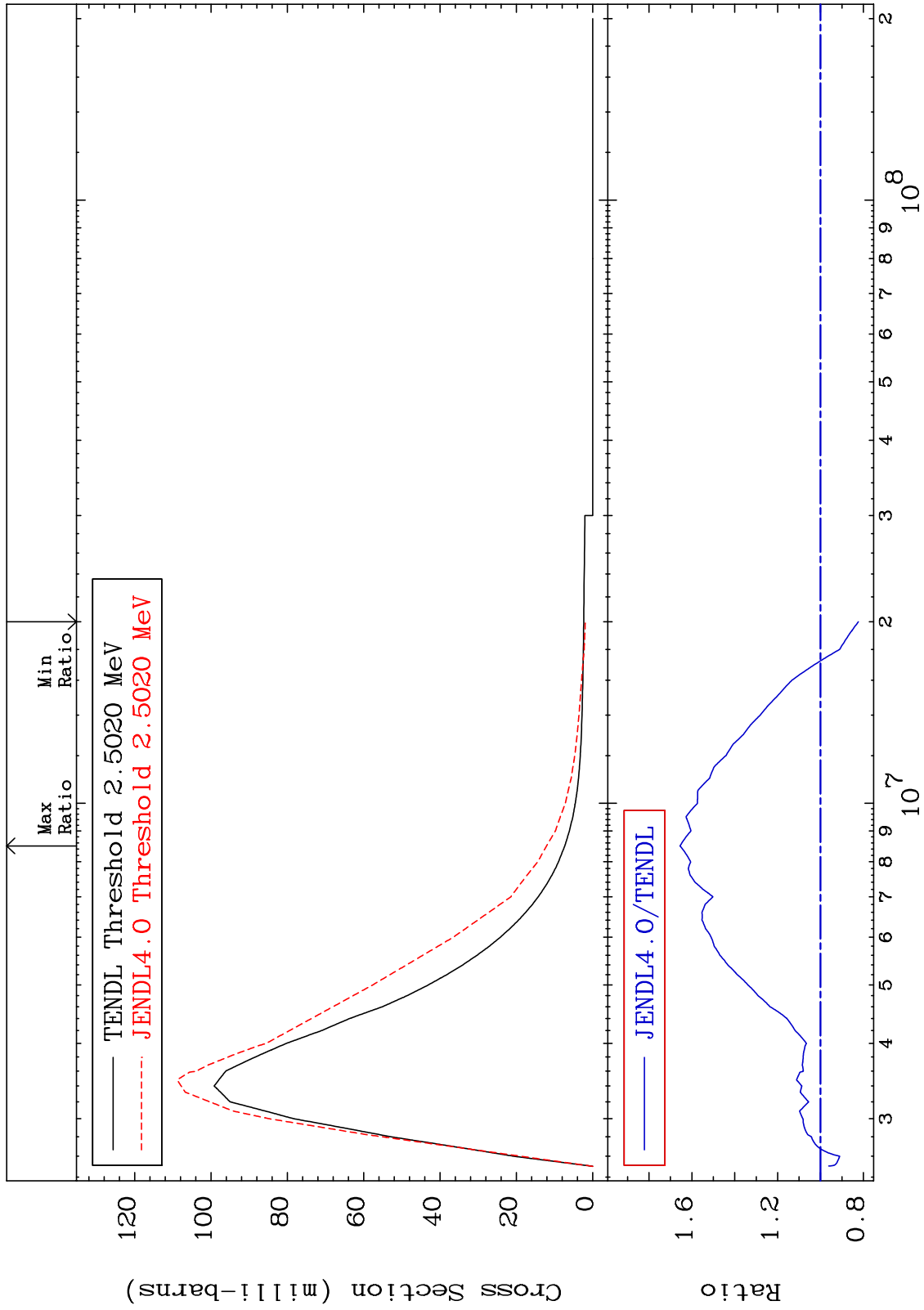
MAT 2825

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

28-Ni-58
-40.32 To 147.1 %



MAT 2825 MT= 52 (n,n') Level Cross Section -17.67 To 65.52 % 28-Ni-58

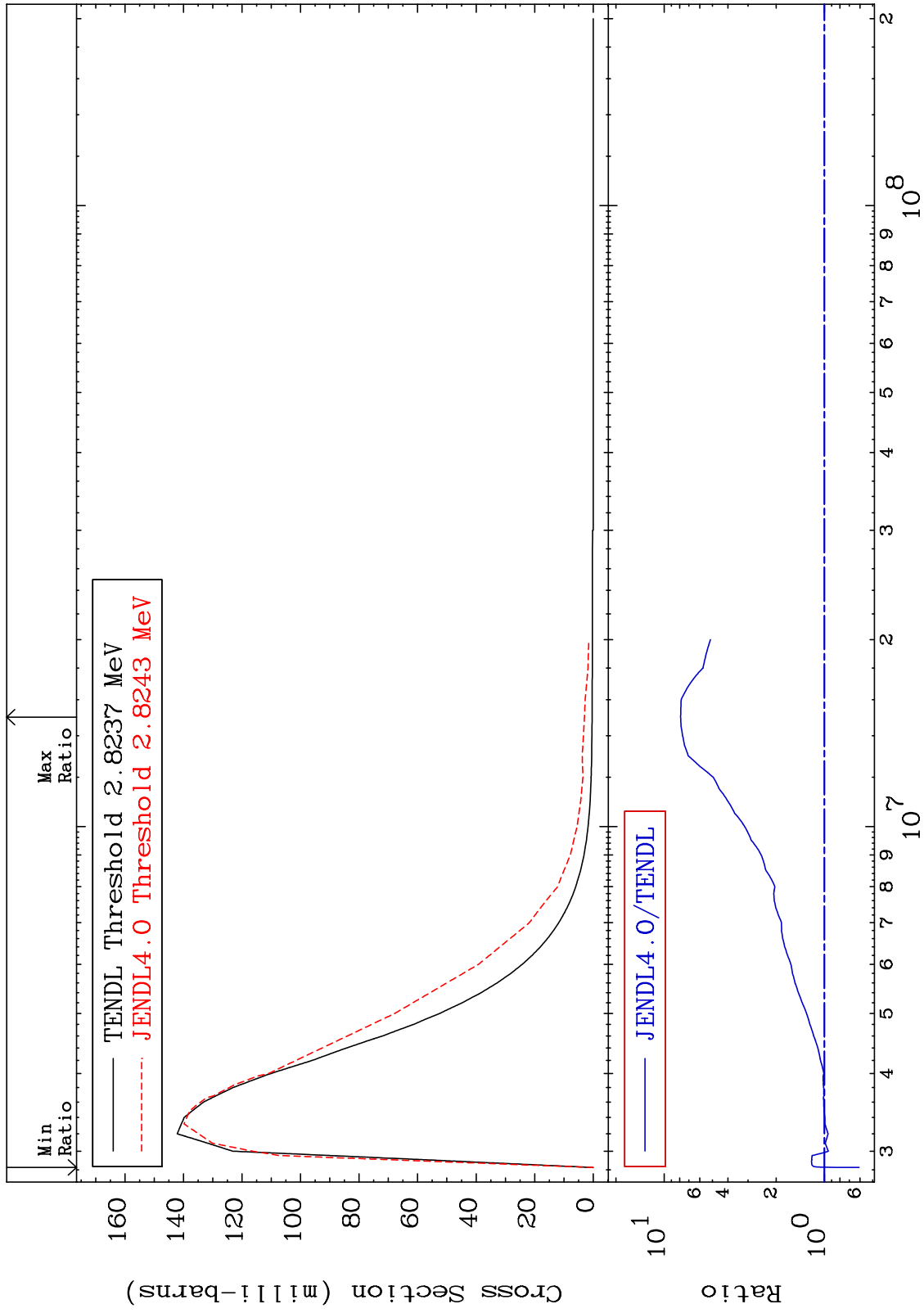


8 Incident Energy (eV) 28-Ni-58

MAT 2825

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

28-Ni-58
-39.34 To 688.8 %



9

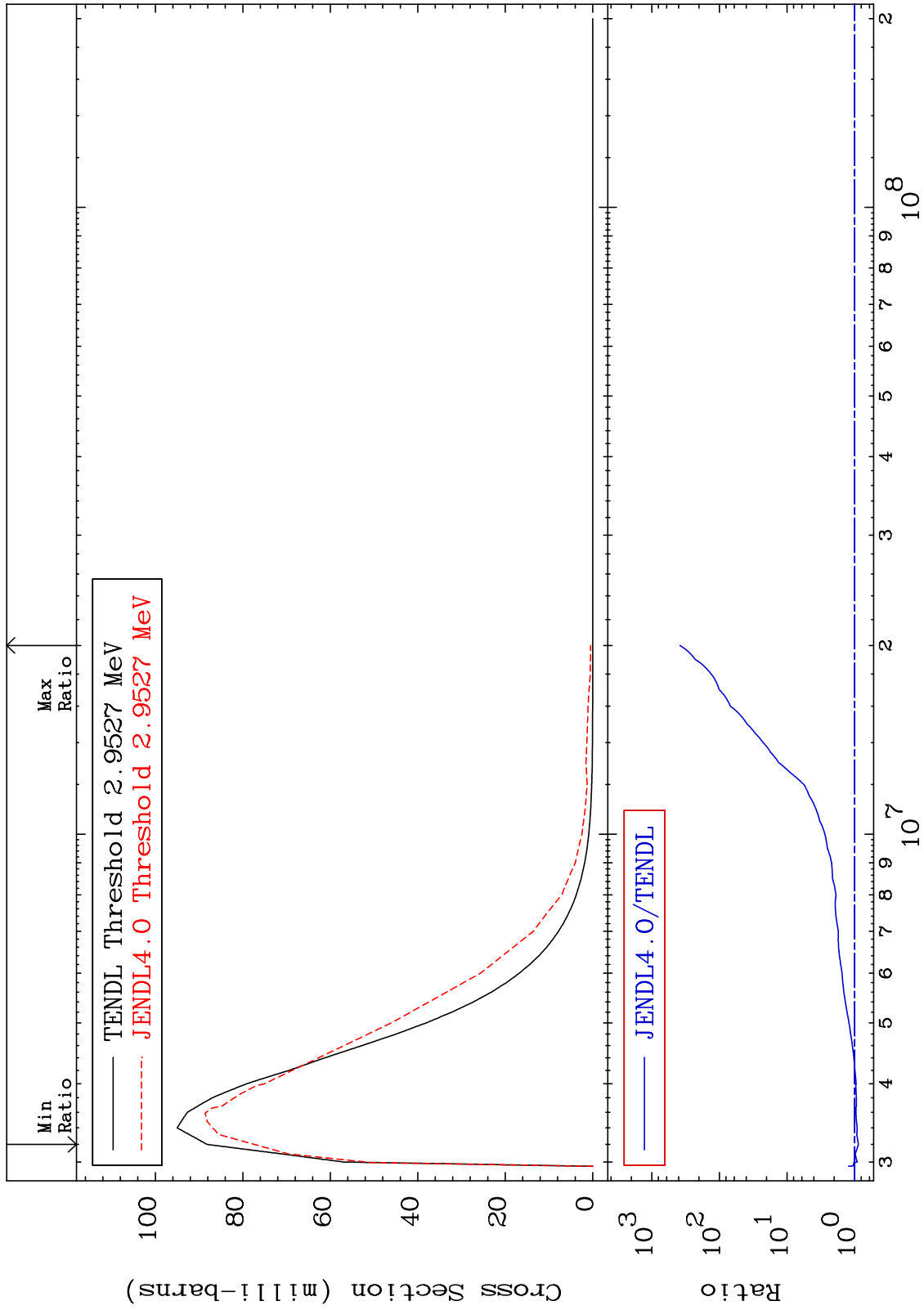
Incident Energy (eV)

28-Ni-58

MAT 2825

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

28-Ni-58
-12.29 To 9999. %

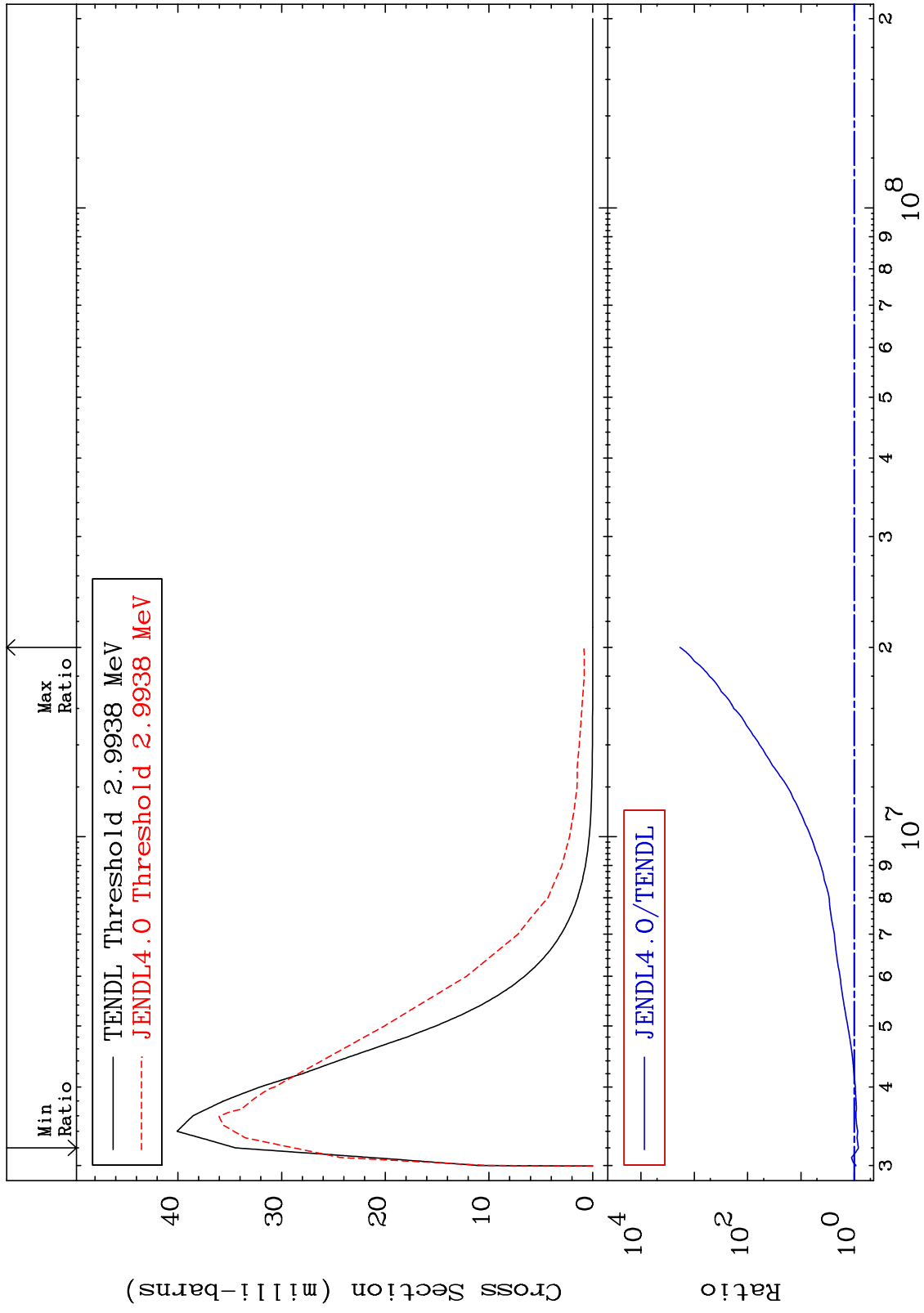


10

Incident Energy (eV)

28-Ni-58

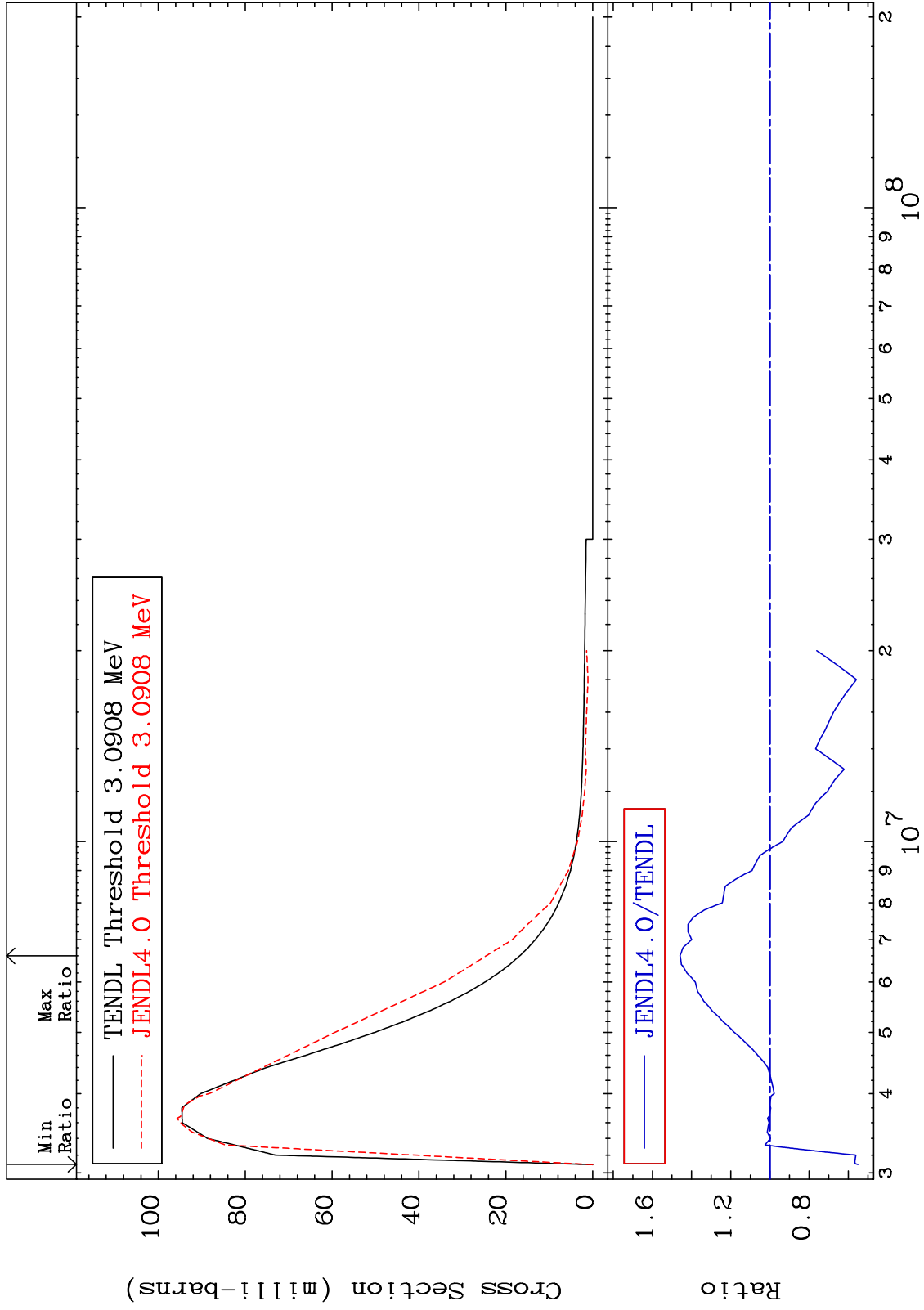
MAT 2825 MT= 55 (n,n') Level 28-Ni-58
 Cross Section -16.37 To 9999. %



MAT 2825

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

28-Ni-58
-45.17 To 45.89 %



12

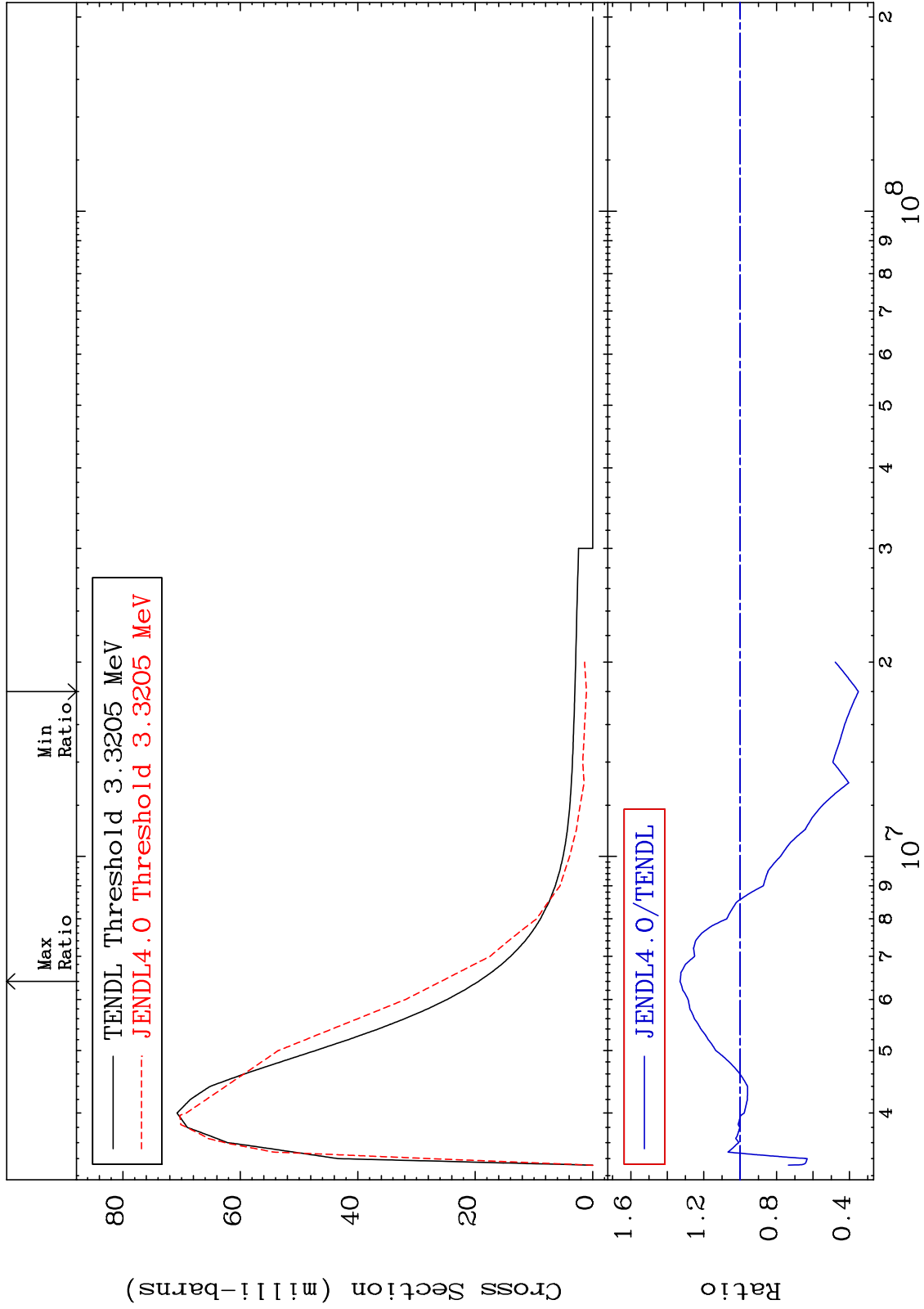
Incident Energy (eV)

28-Ni-58

MAT 2825

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

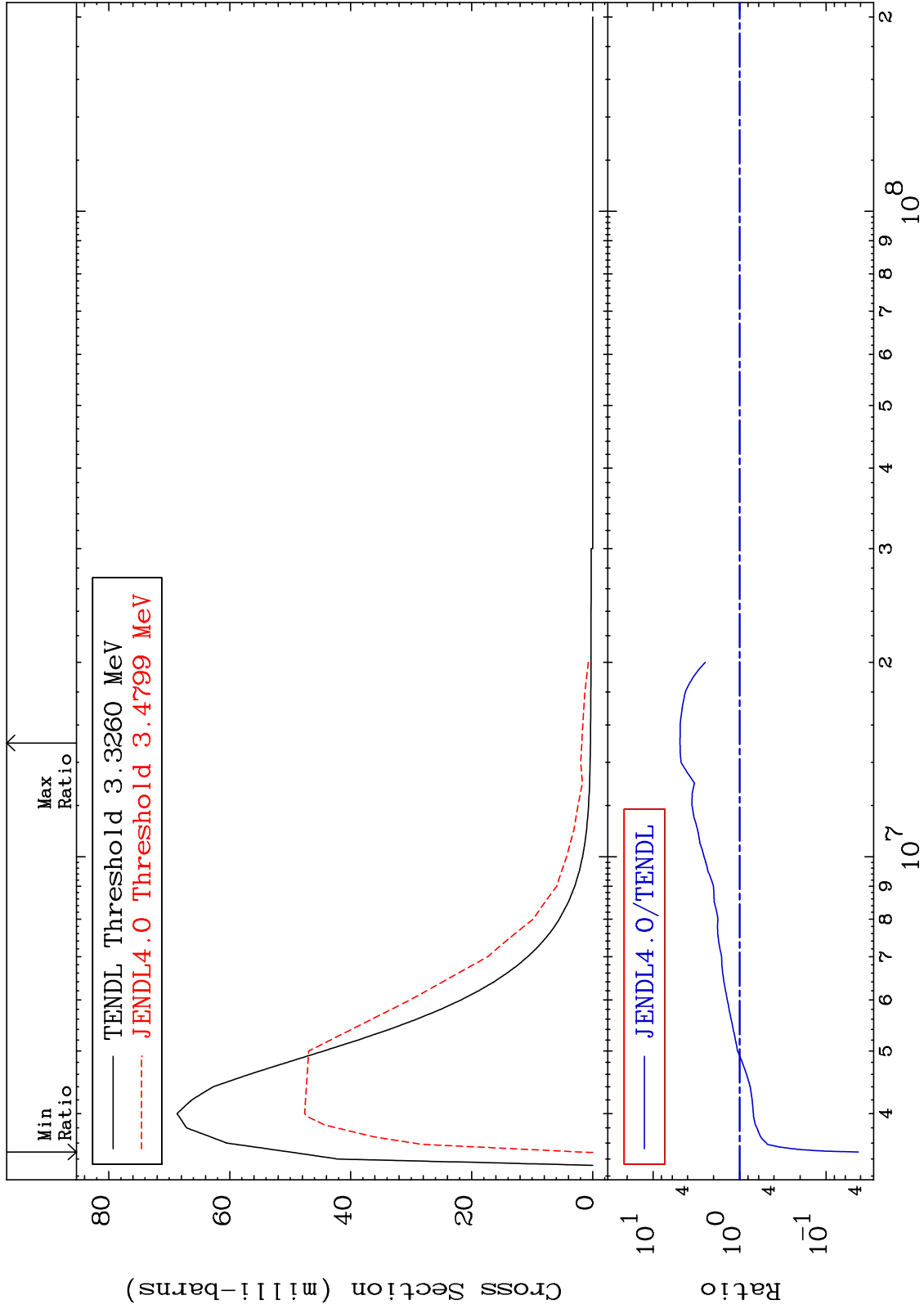
28-Ni-58
-64.91 To 33.01 %



MAT 2825

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

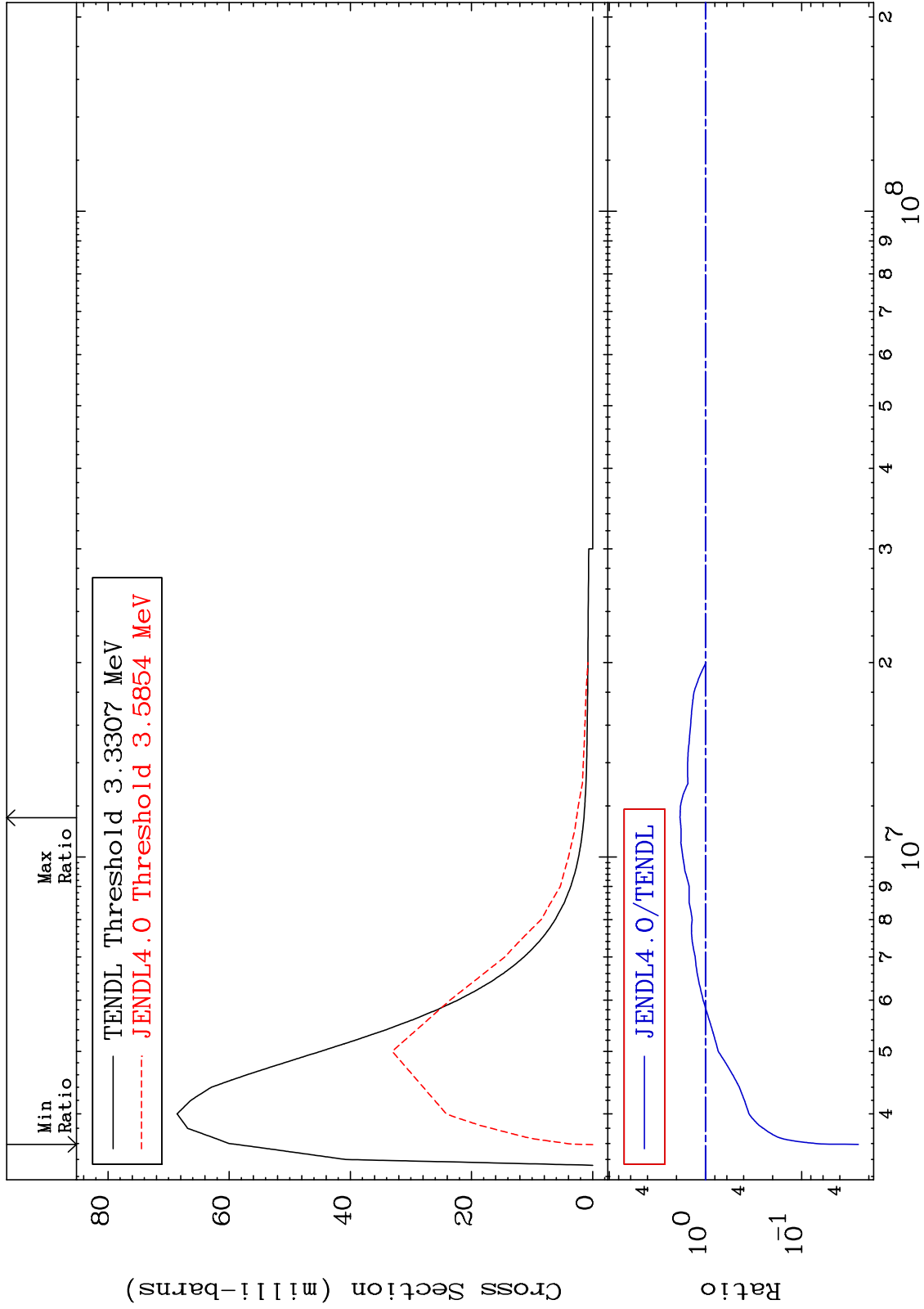
28-Ni-58
-95.77 To 388.8 %



MAT 2825

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

28-Ni-58
-97.43 To 83.73 %



15

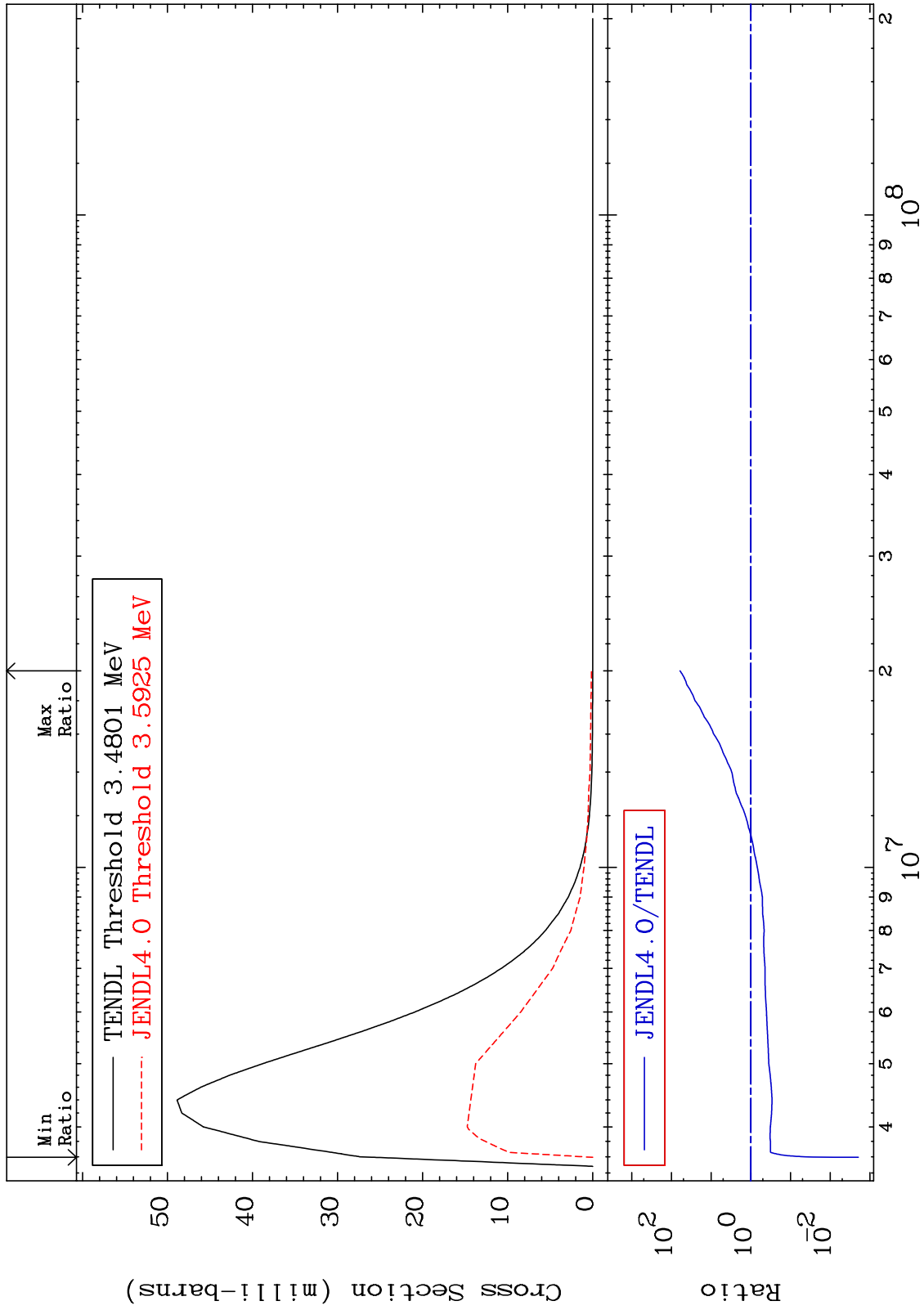
Incident Energy (eV)

28-Ni-58

MAT 2825

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

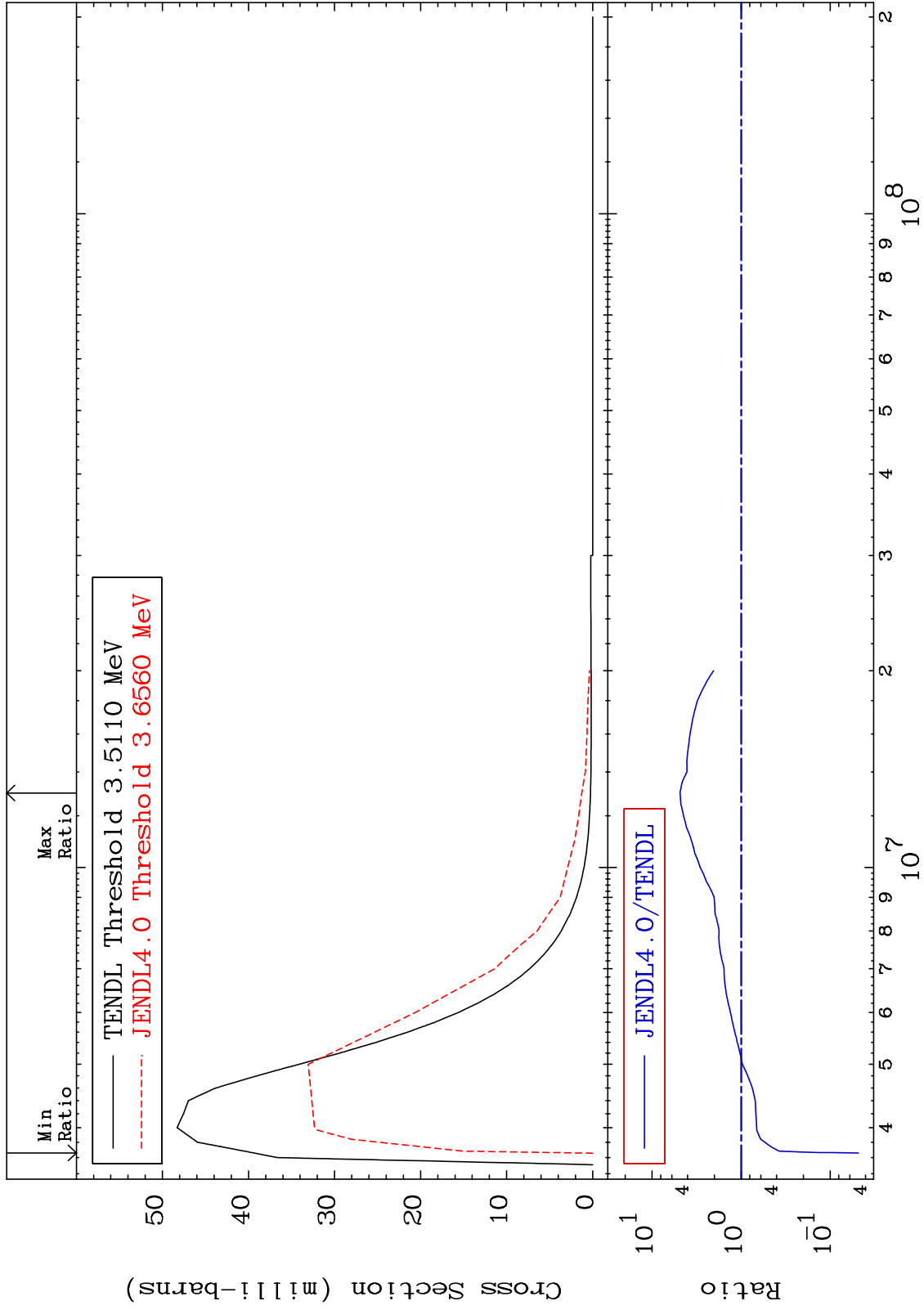
28-Ni-58
-99.80 To 5989. %



MAT 2825

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

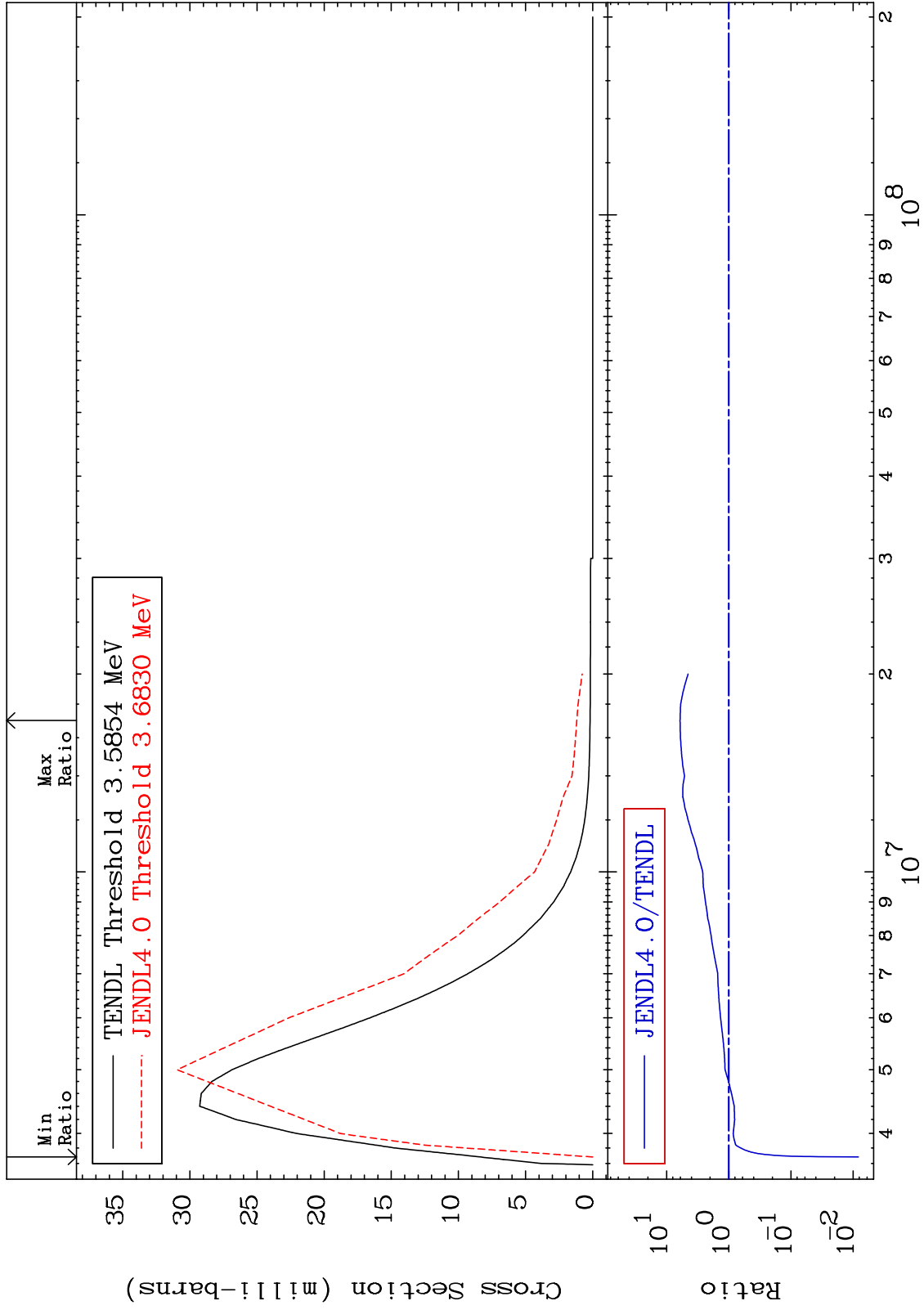
28-Ni-58
-95.18 To 385.6 %



MAT 2825

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

28-Ni-58
-99.17 To 510.1 %



18

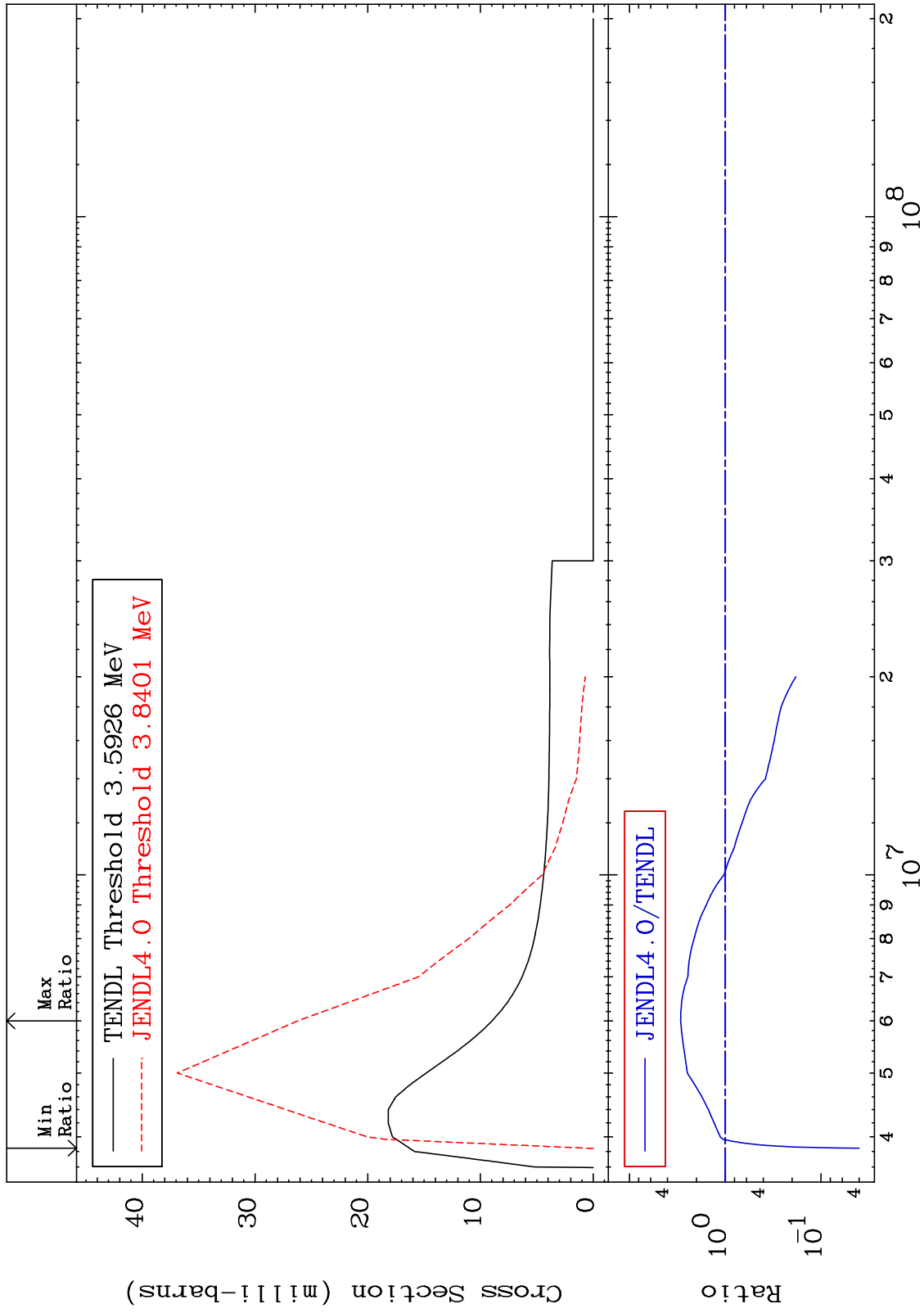
Incident Energy (eV)

28-Ni-58

MAT 2825

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

28-Ni-58
-96.00 To 192.2 %



19

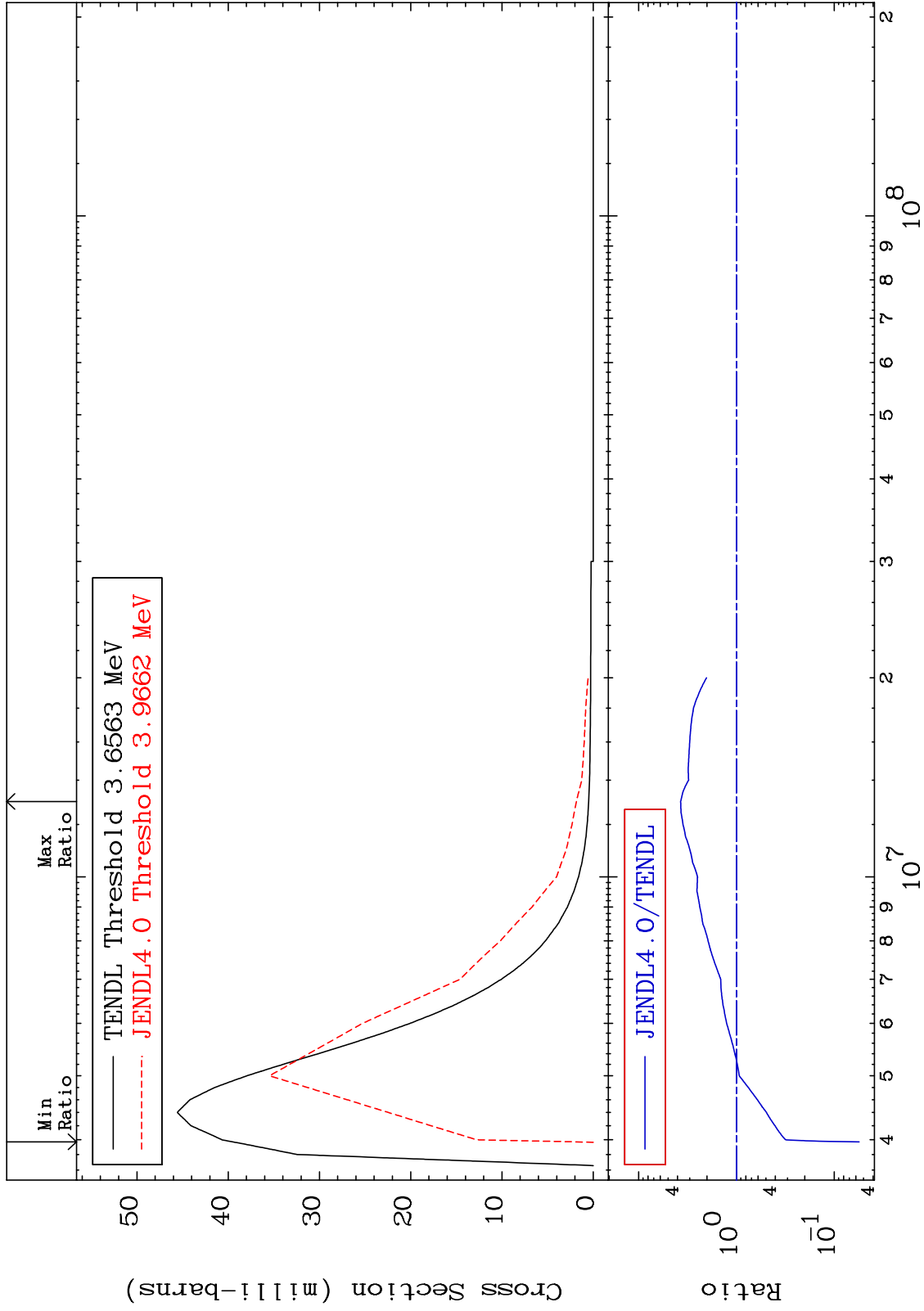
Incident Energy (eV)

28-Ni-58

MAT 2825

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

28-Ni-58
-94.45 To 271.9 %



20

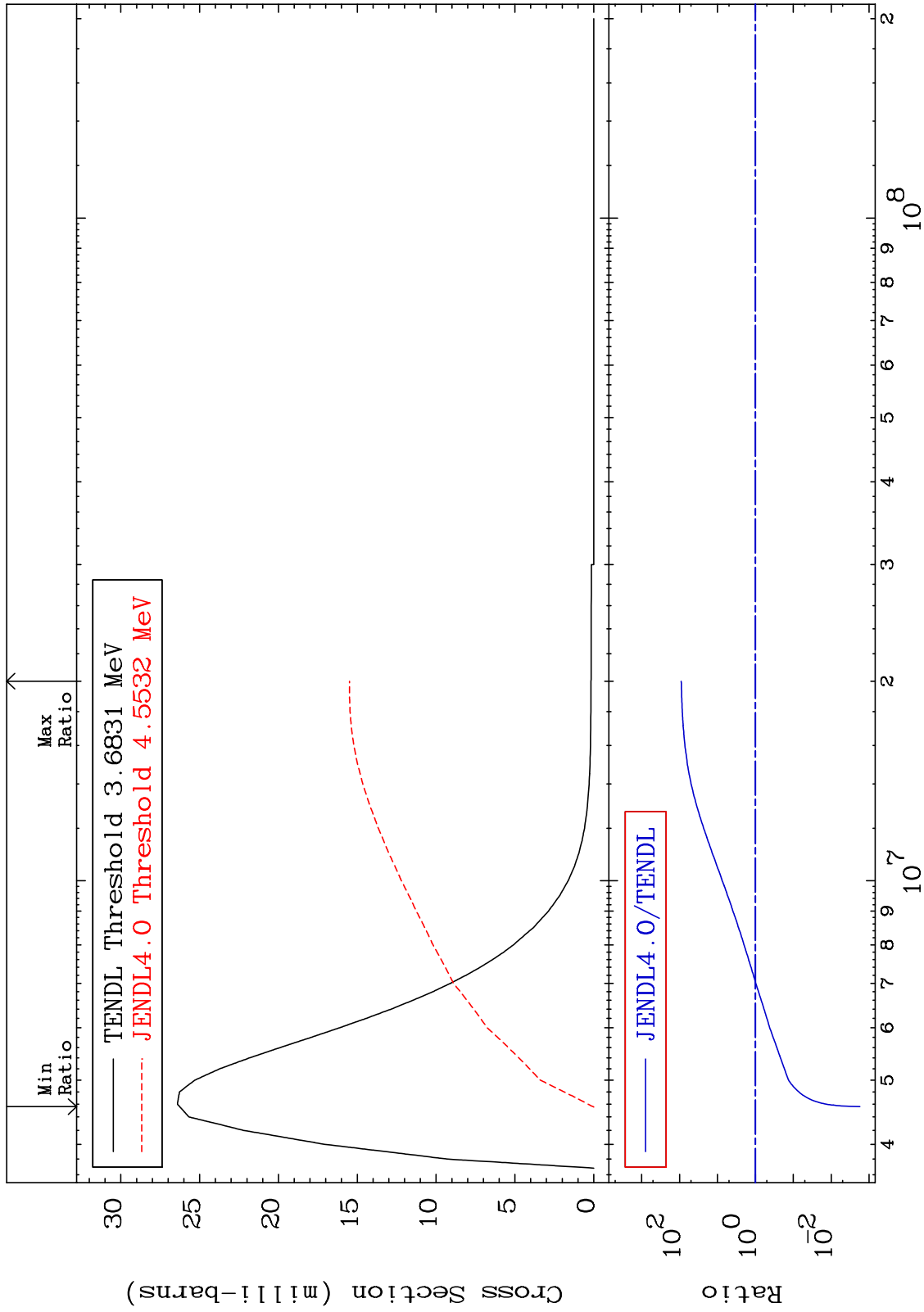
Incident Energy (eV)

28-Ni-58

MAT 2825

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

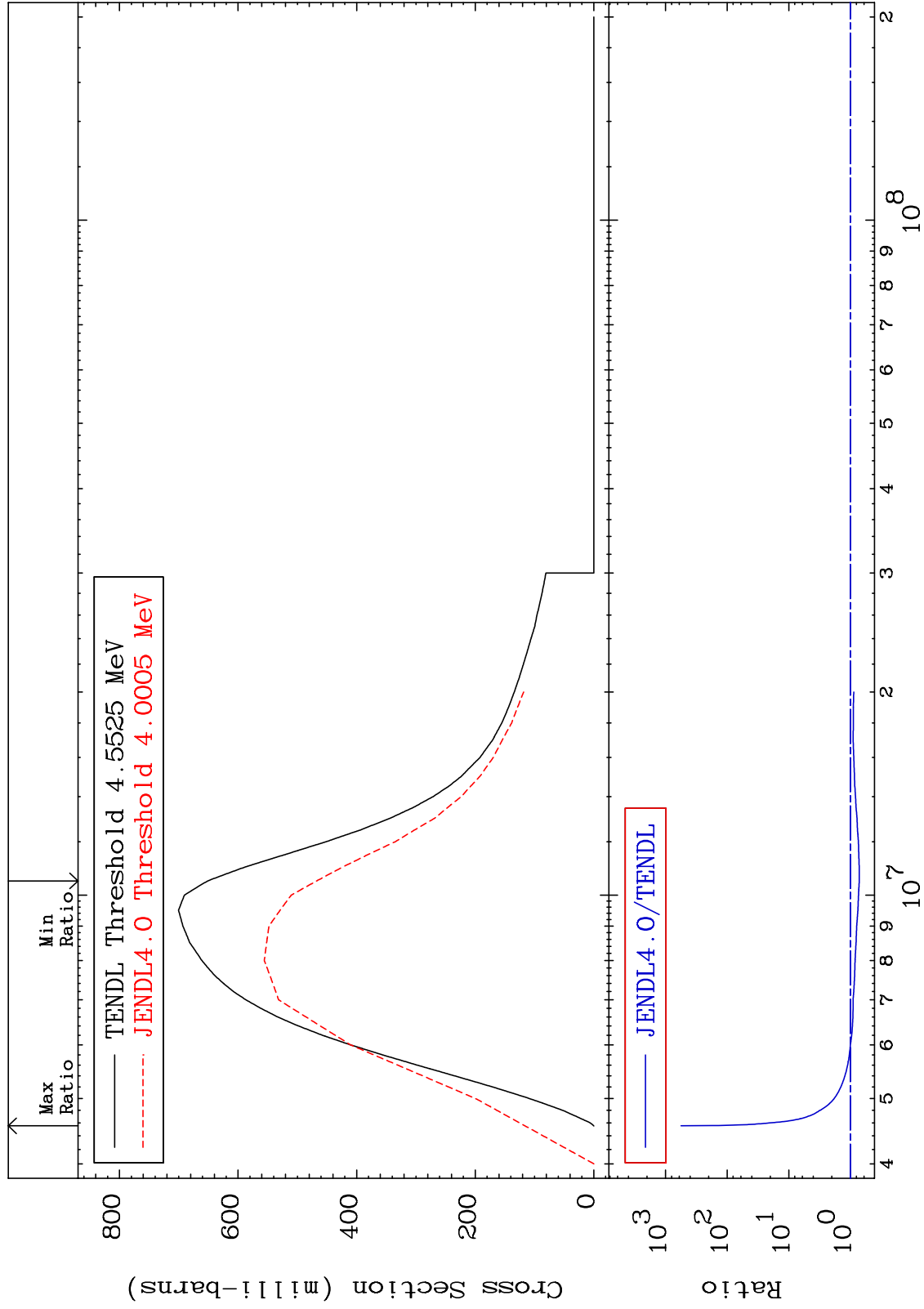
28-Ni-58
-99.83 To 8946. %



MAT 2825

(n,n') Continuum
Cross Section

28-Ni-58
-28.25 To 9999. %



22

Incident Energy (eV)

28-Ni-58

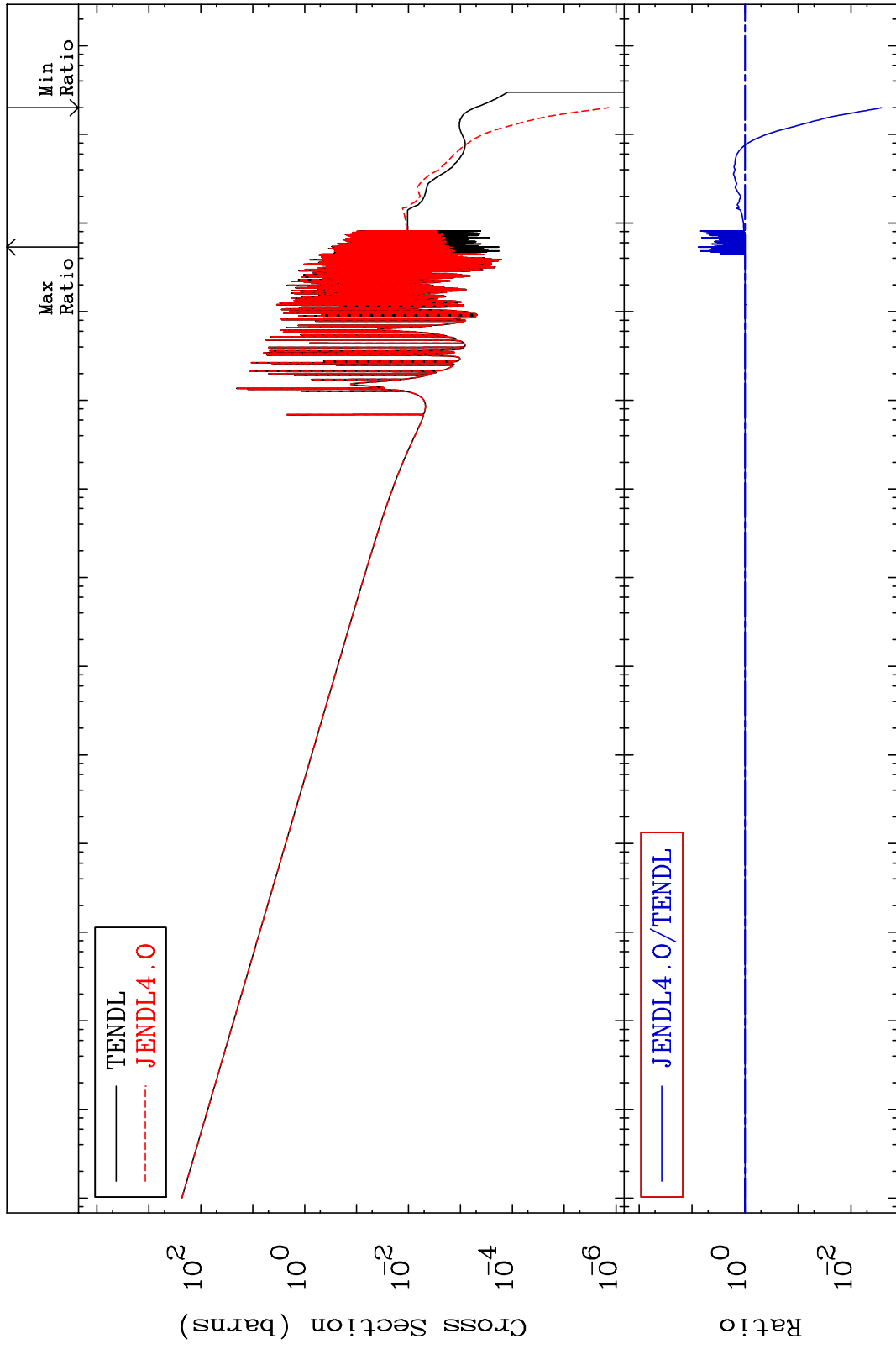
MAT 2825

(n, γ)

28-Ni-58

Cross Section

-99.73 To 662.8 %



Incident Energy (eV)

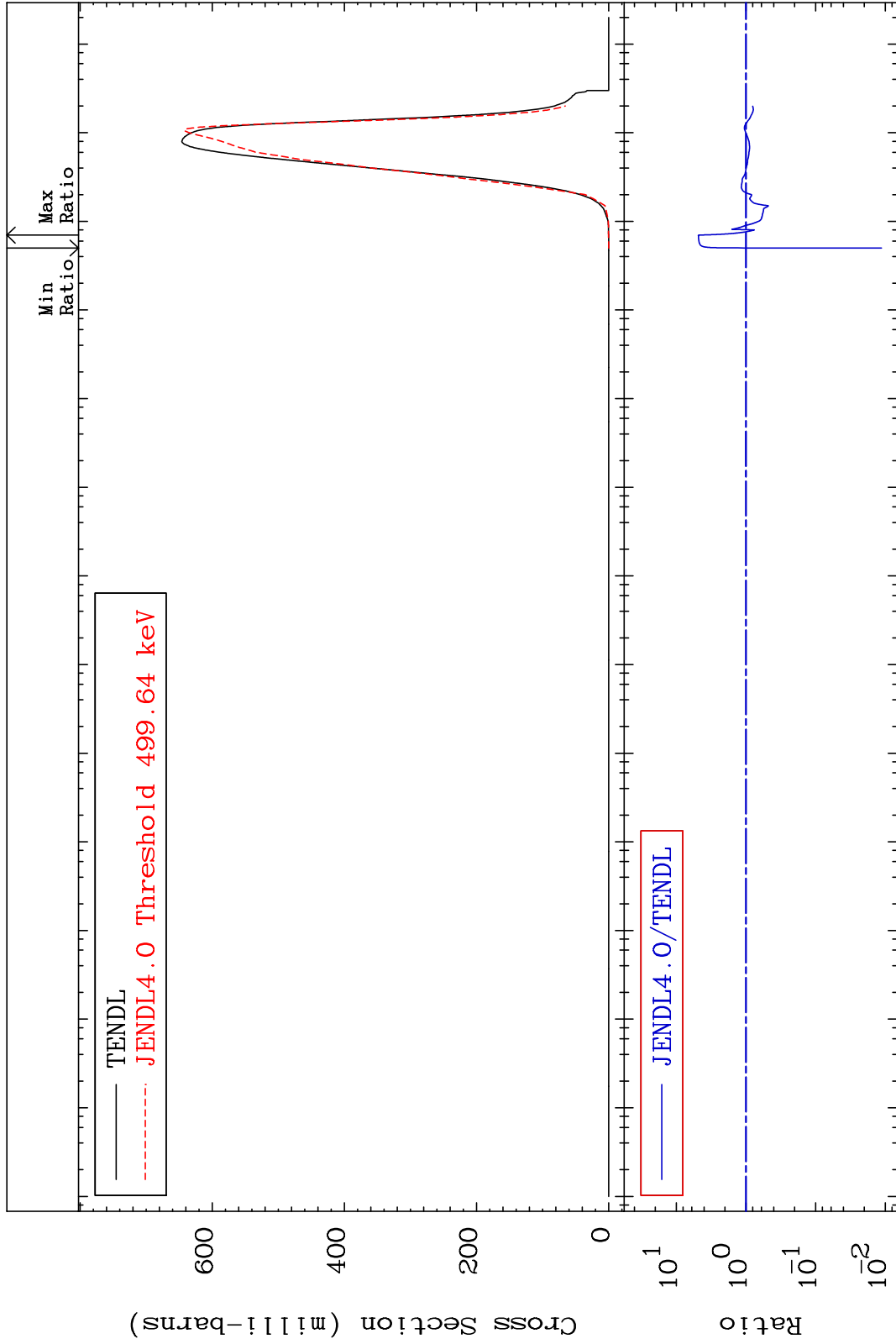
MAT 2825

(n,p)

28-Ni-58

Cross Section

-98.87 To 382.3 %



Incident Energy (eV)

24

28-Ni-58

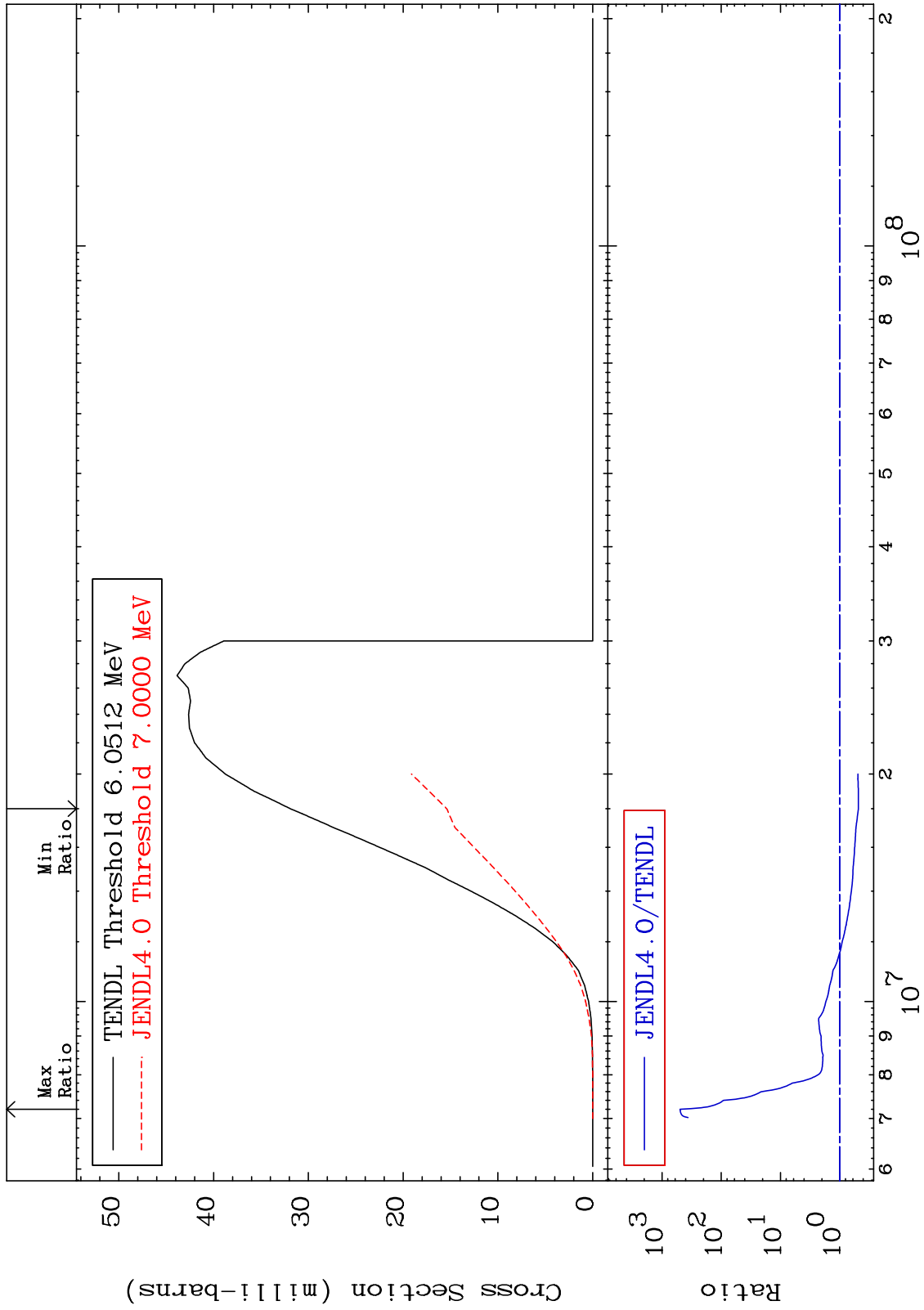
MAT 2825

(n,d)

28-Ni-58

Cross Section

-51.73 To 9999. %



25

28-Ni-58

28-Ni-58

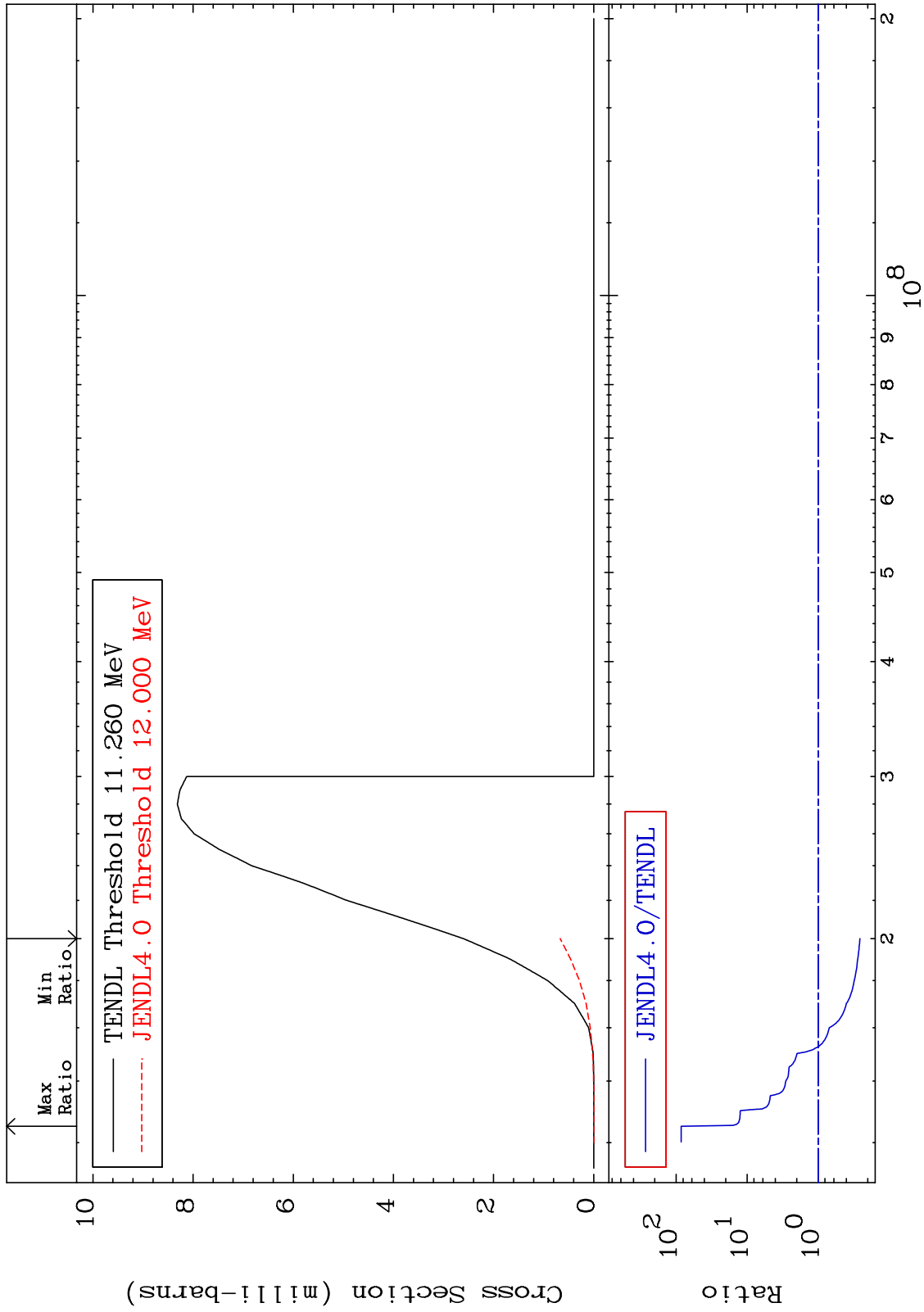
MAT 2825

(n, t)

28-Ni-58

Cross Section

-74.23 To 8383. %



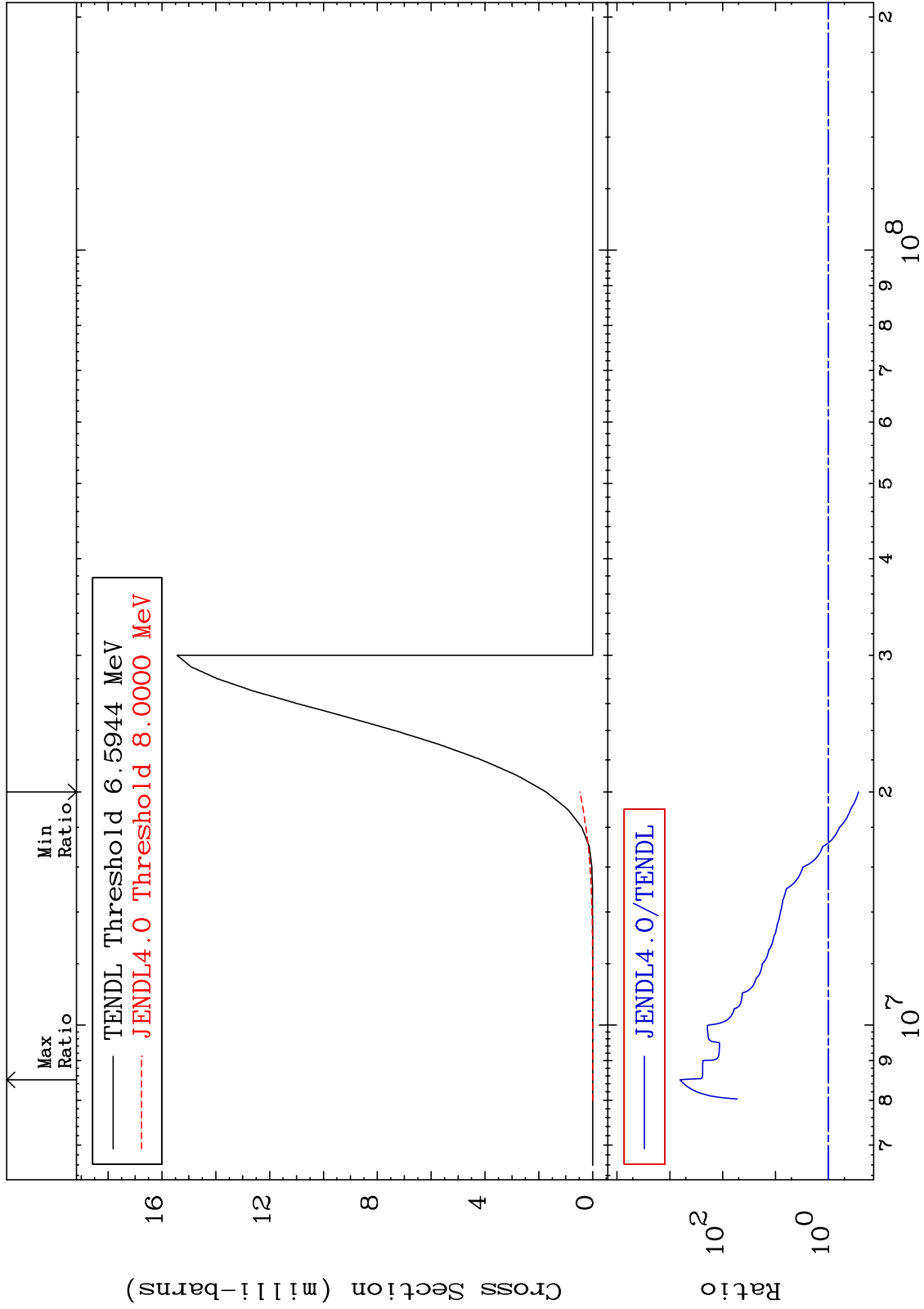
MAT 2825

(n, He-3)

28-Ni-58

Cross Section

-72.86 To 9999. %



27

Incident Energy (eV)

28-Ni-58

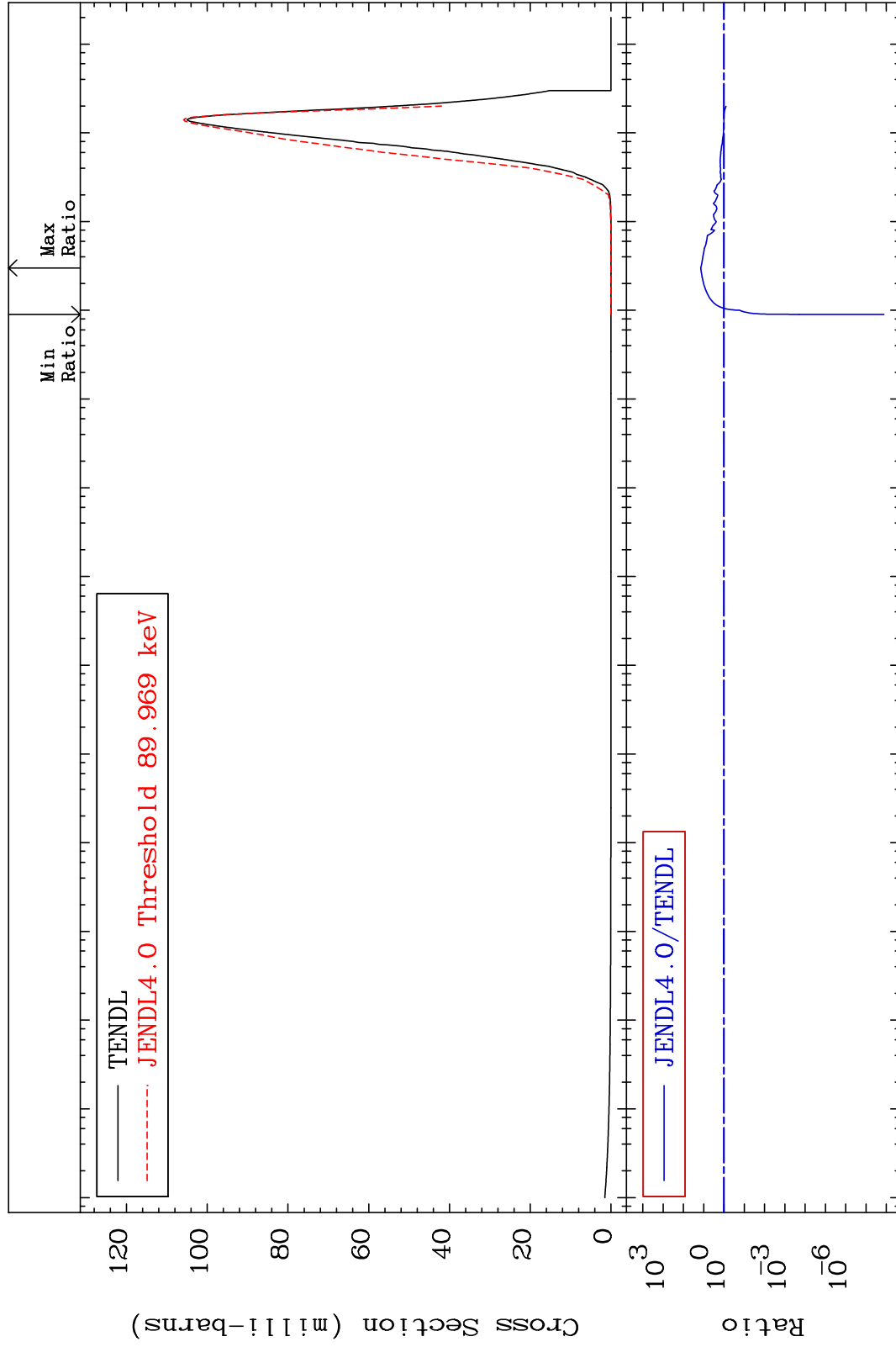
MAT 2825

(n, α)

28-Ni-58

Cross Section

-100.0 To 1308. %



28

Incident Energy (eV)

28-Ni-58

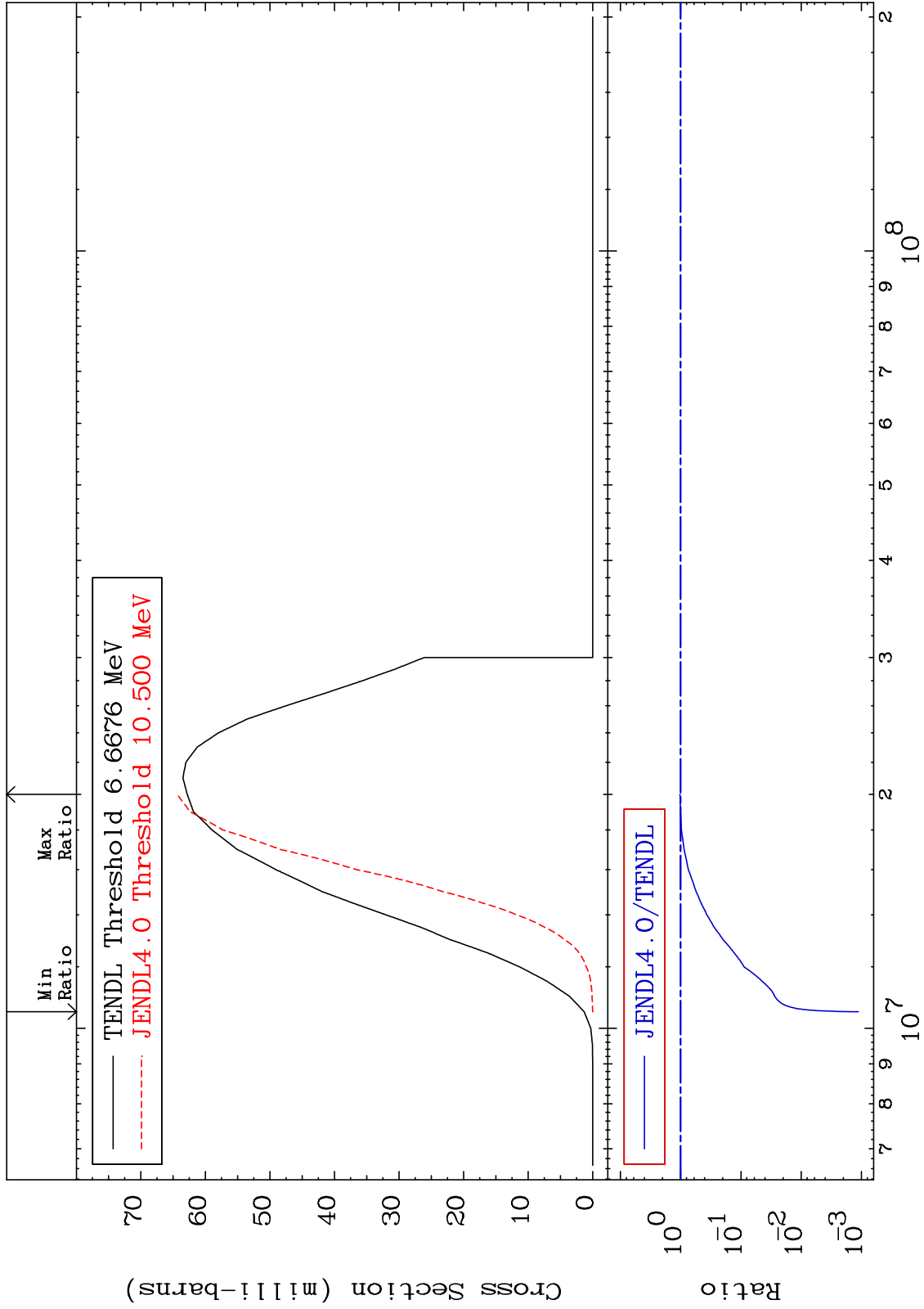
MAT 2825

(n,2p)

28-Ni-58

Cross Section

-99.89 To 2.506 %



29

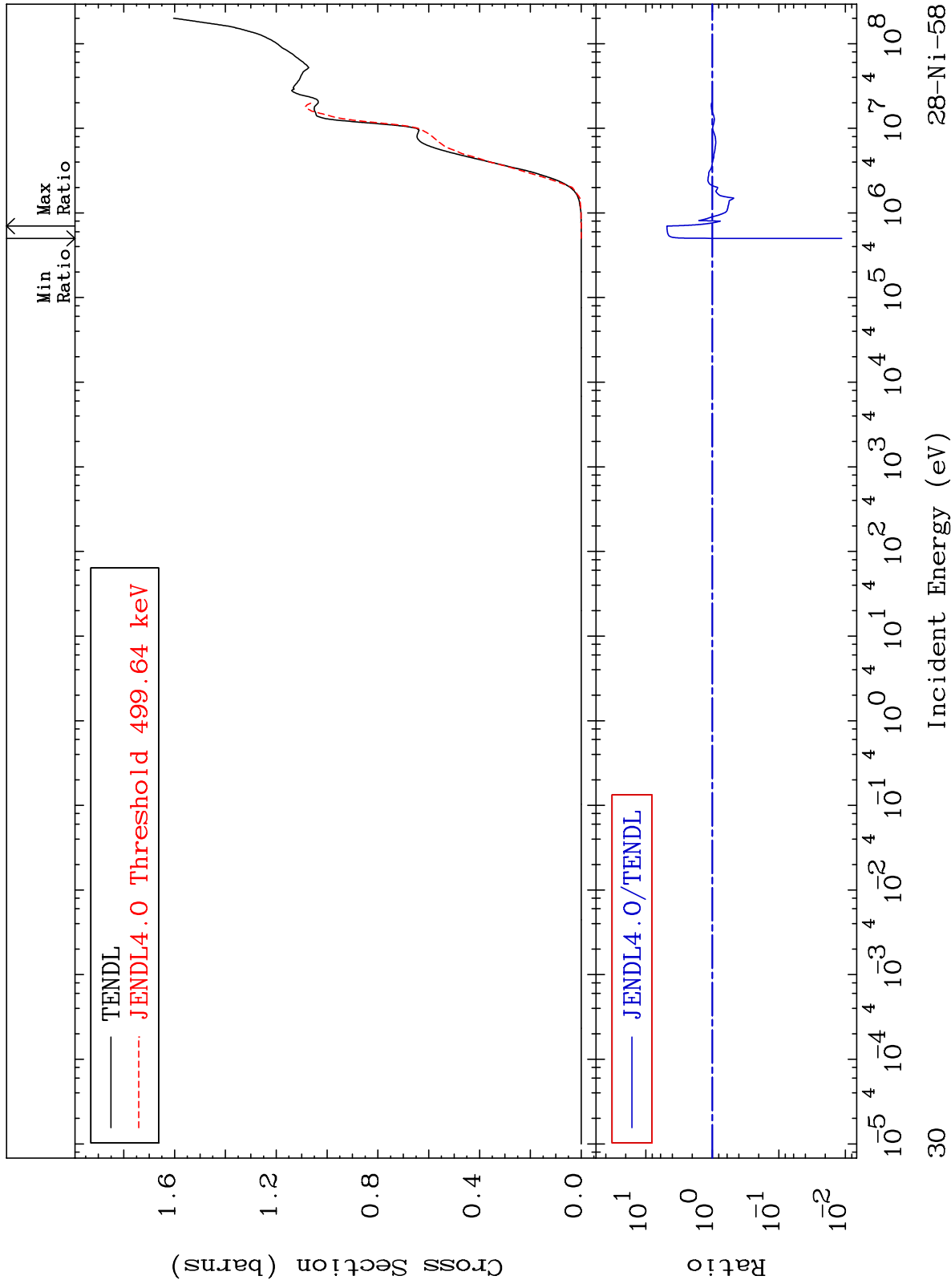
Incident Energy (eV)

28-Ni-58

MAT 2825

Hydrogen Production
Cross Section

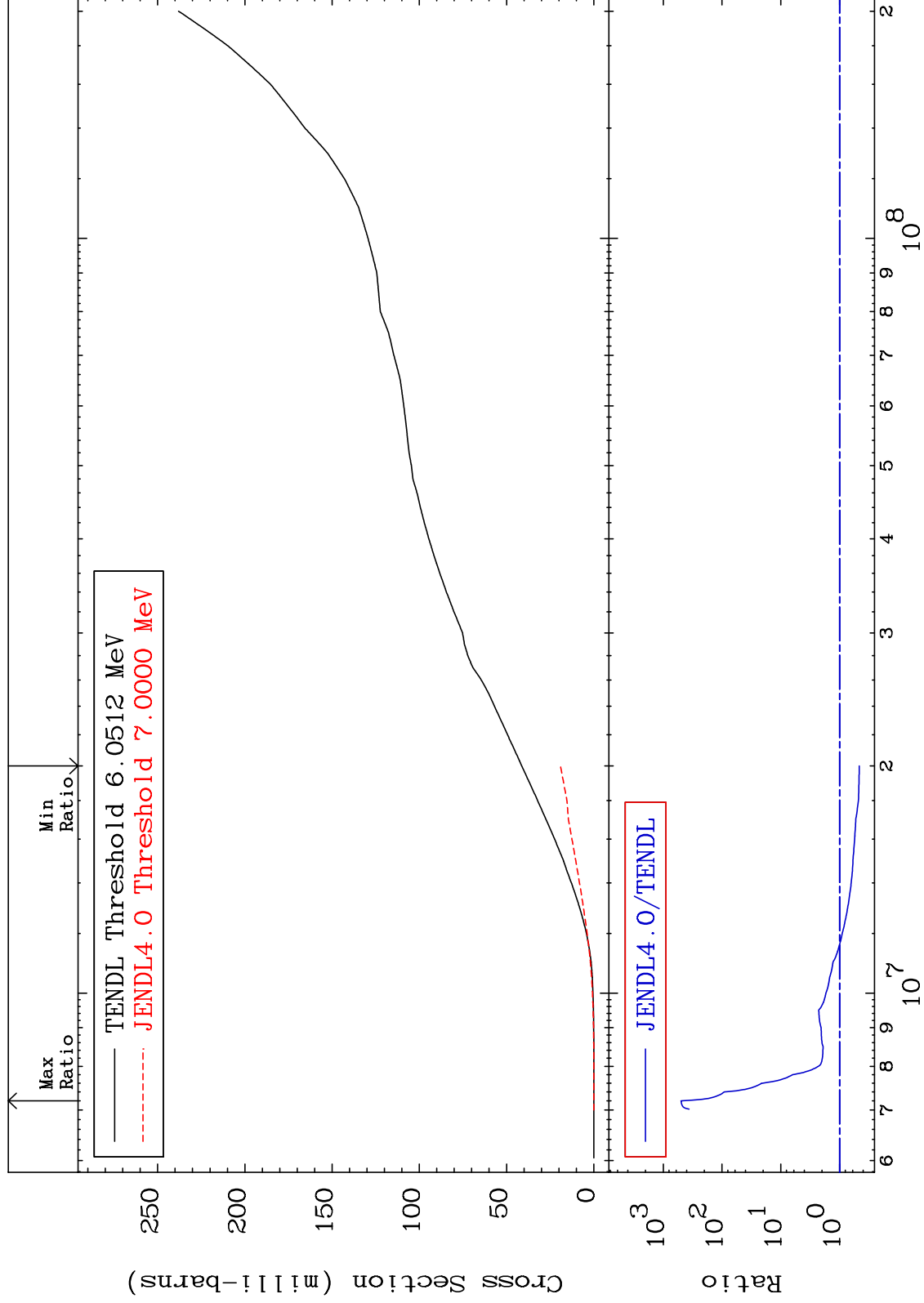
28-Ni-58
-98.87 To 382.3 %



MAT 2825

Deuterium Production
Cross Section

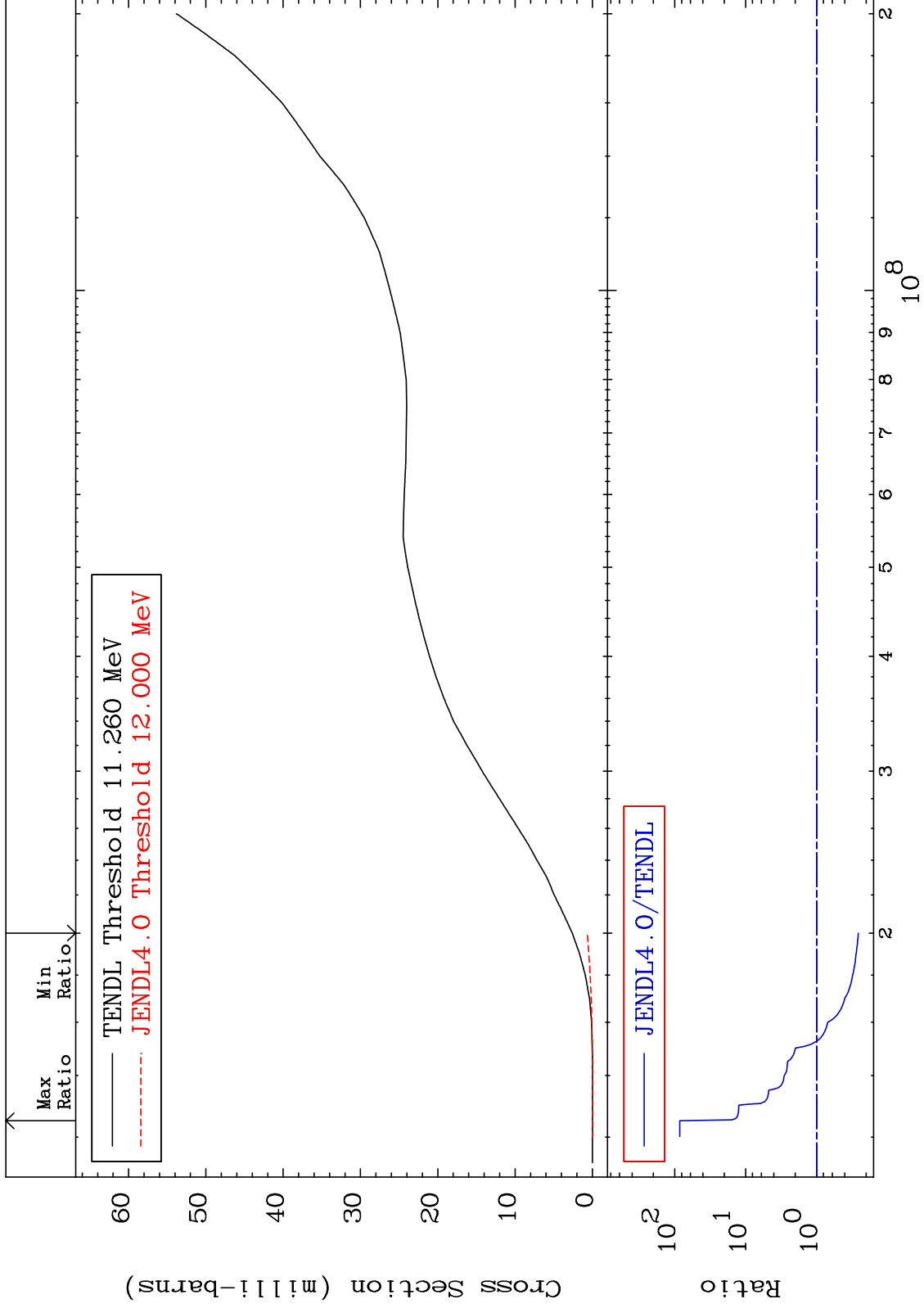
28-Ni-58
-53.63 To 9999. %



MAT 2825

Tritium Production
Cross Section

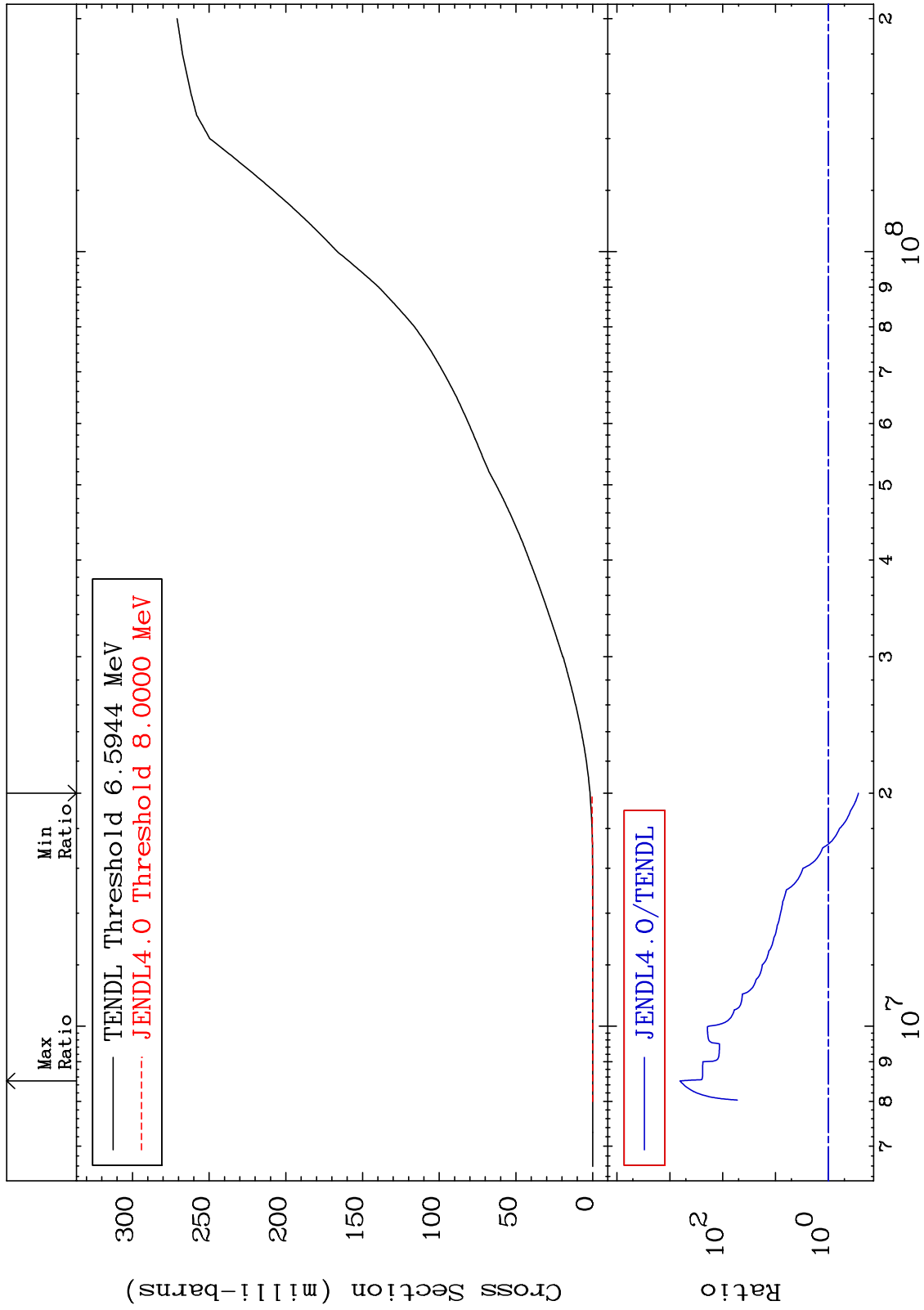
28-Ni-58
-74.23 To 8383. %



MAT 2825

He-3 Production
Cross Section

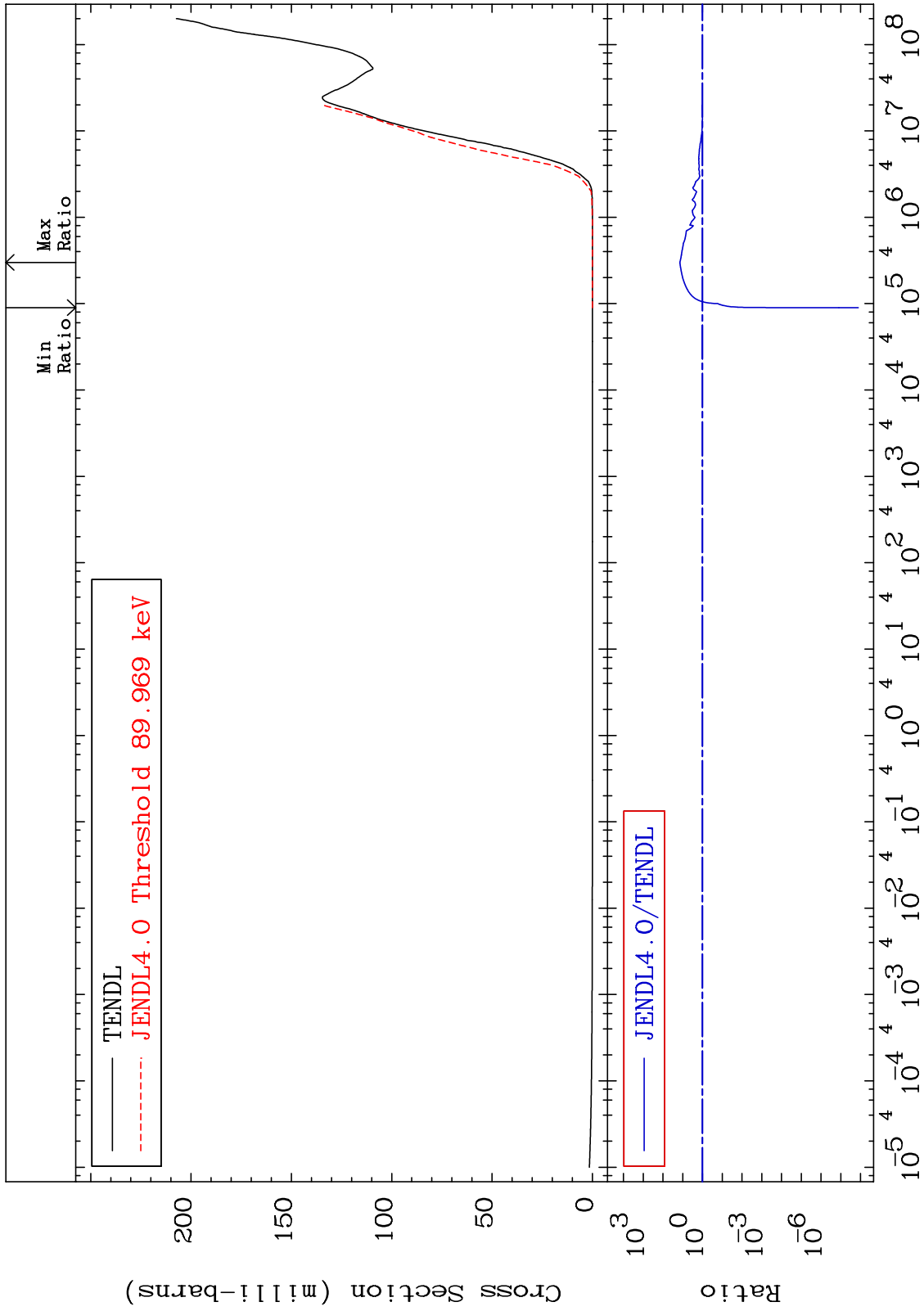
28-Ni-58
-72.86 To 9999. %



MAT 2825

He-4 Production
Cross Section

28-Ni-58
-100.0 To 1308. %



34

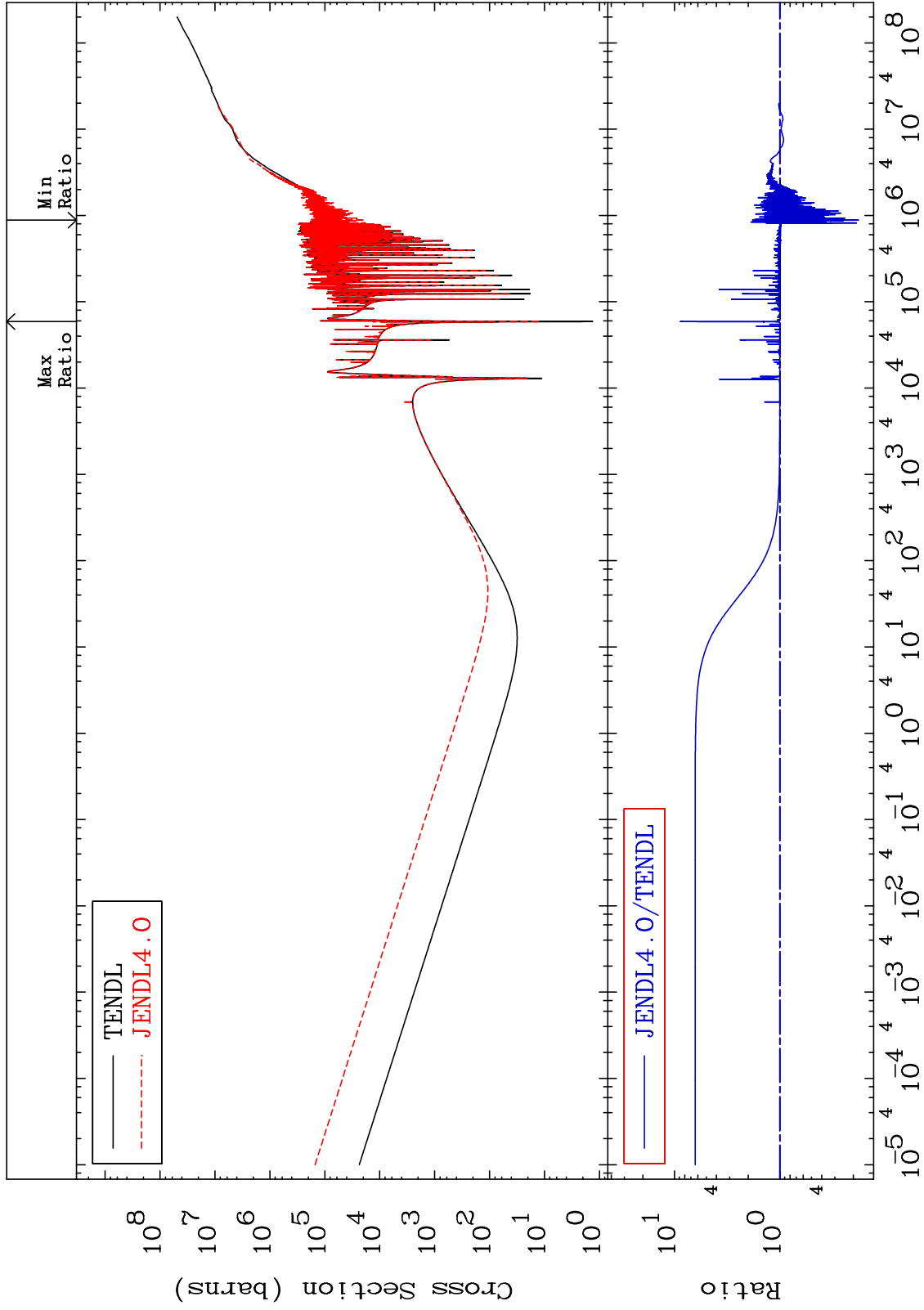
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma total (eV-barns)
Cross Section

28-Ni-58
-82.05 To 787.2 %



35

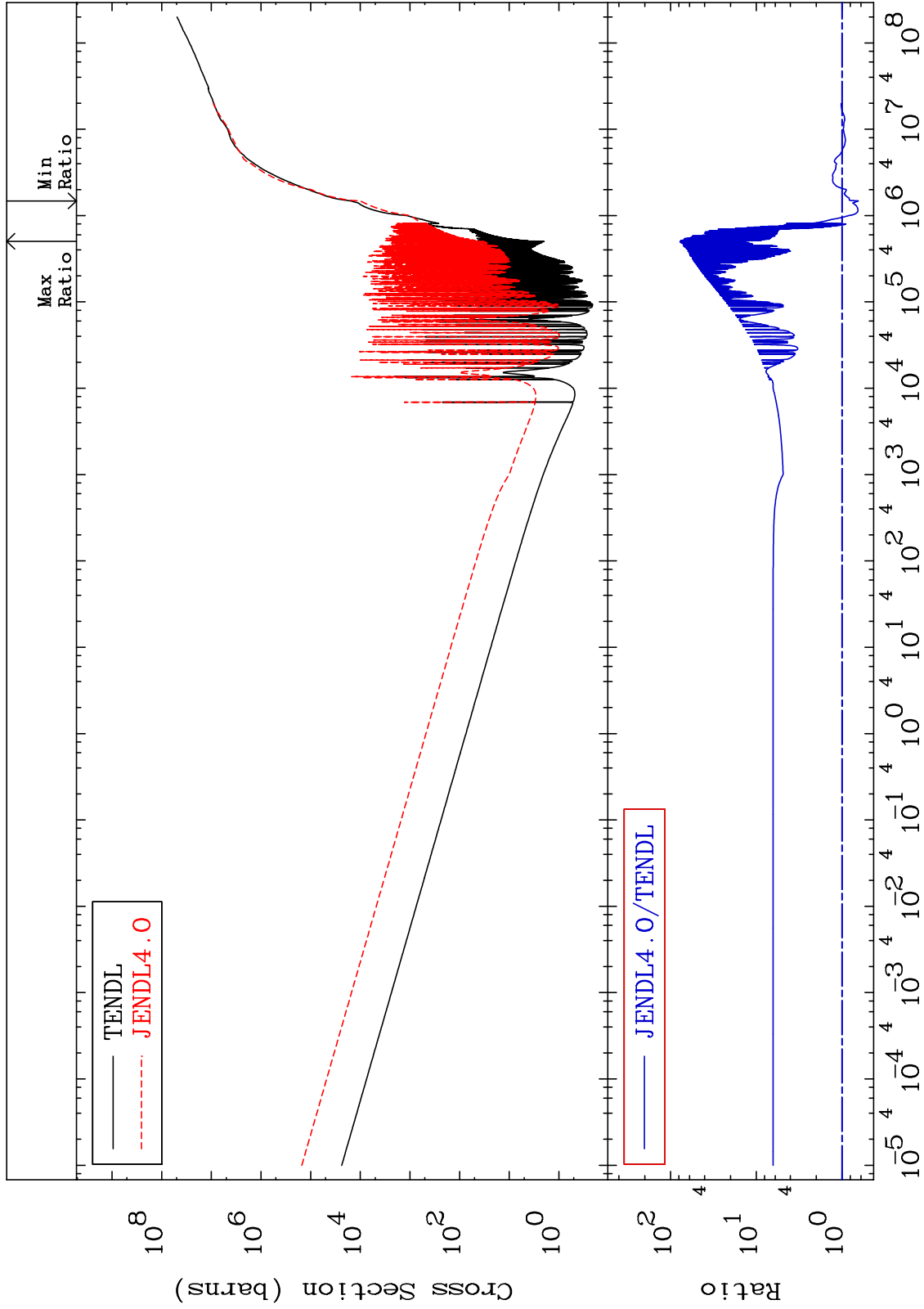
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-58
-35.61 To 7660. %



37

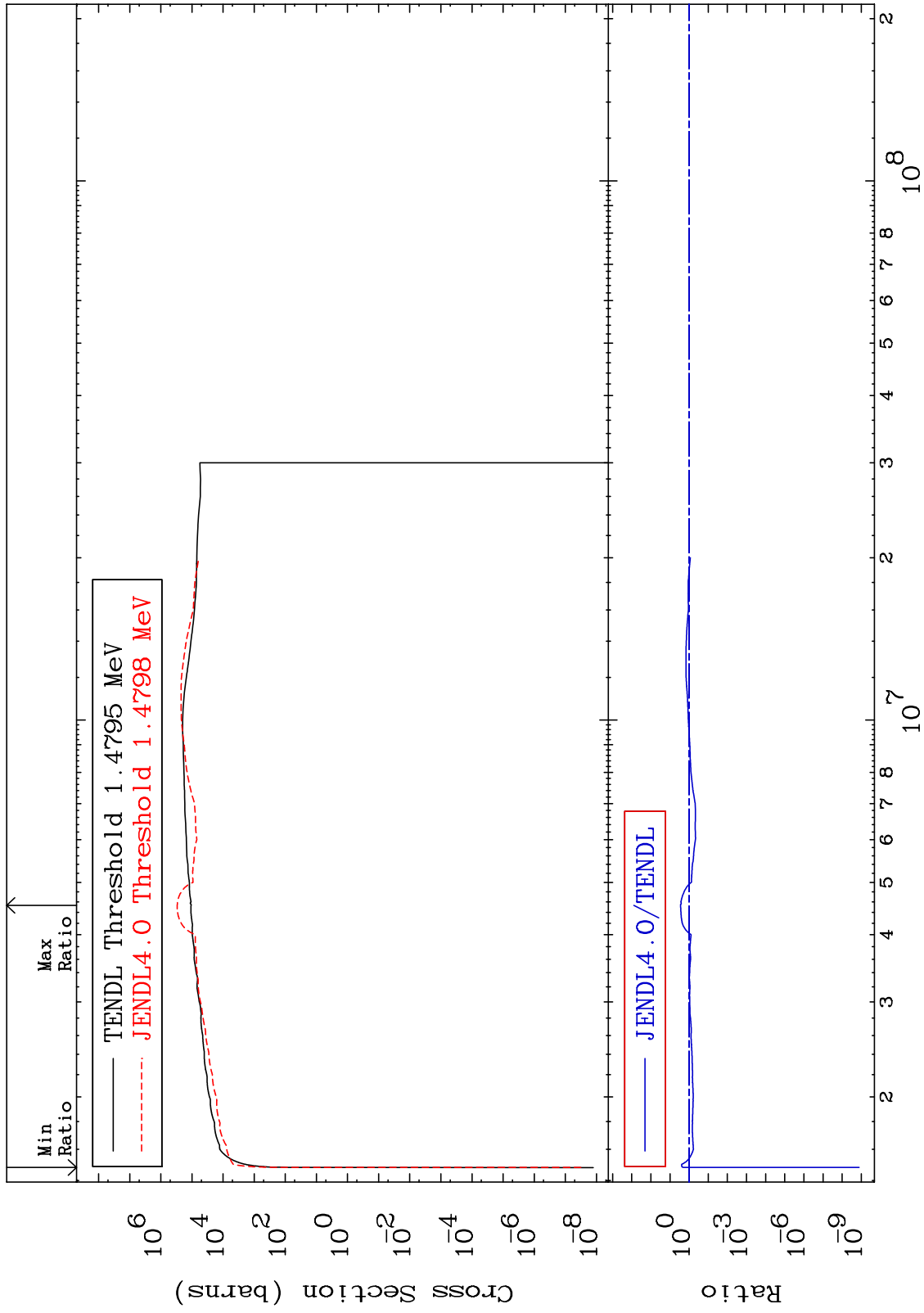
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma inelastic (mt51-91)
Cross Section

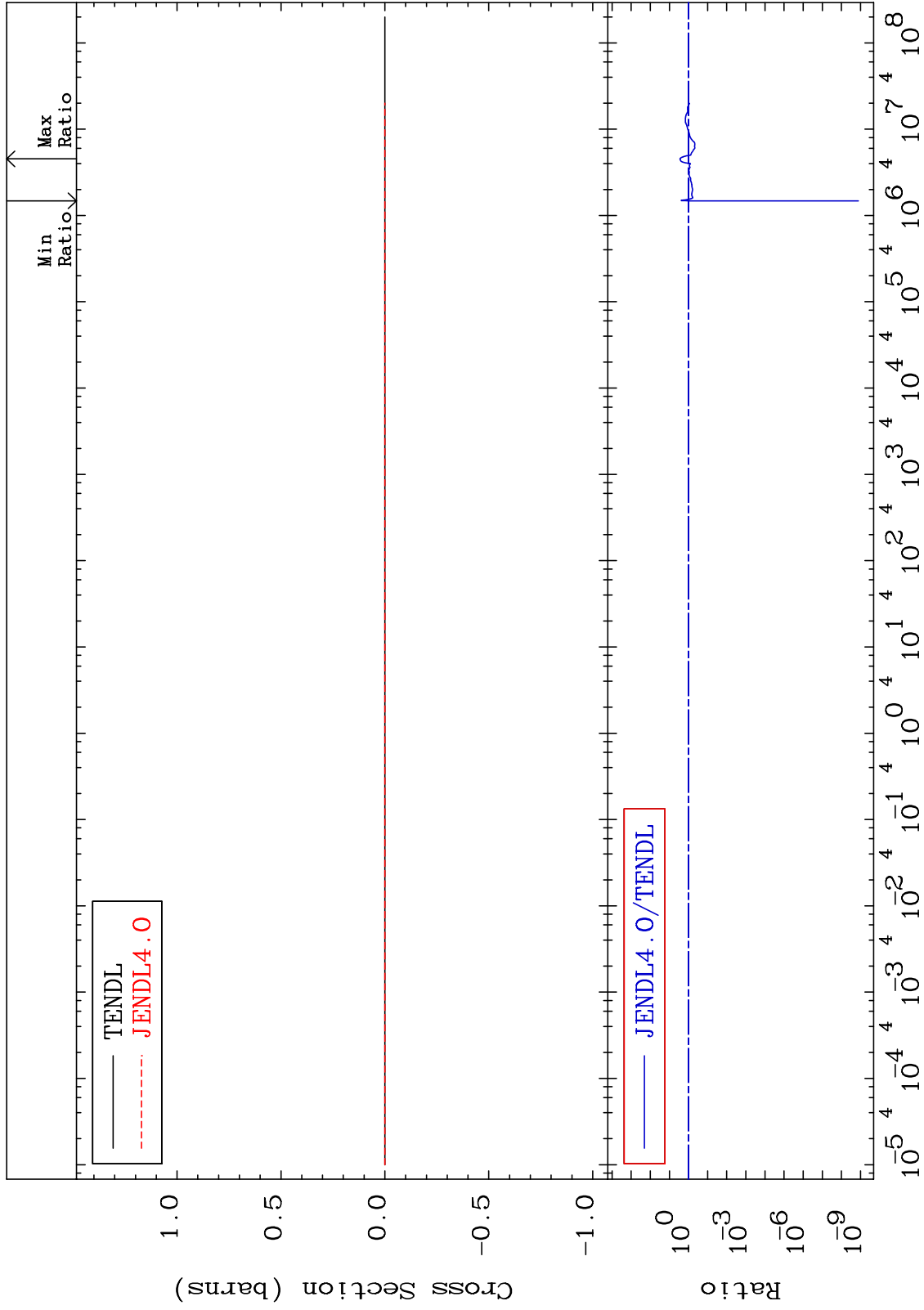
28-Ni-58
-100.0 To 178.1 %



MAT 2825

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

28-Ni-58
-100.0 To 178.1 %



39

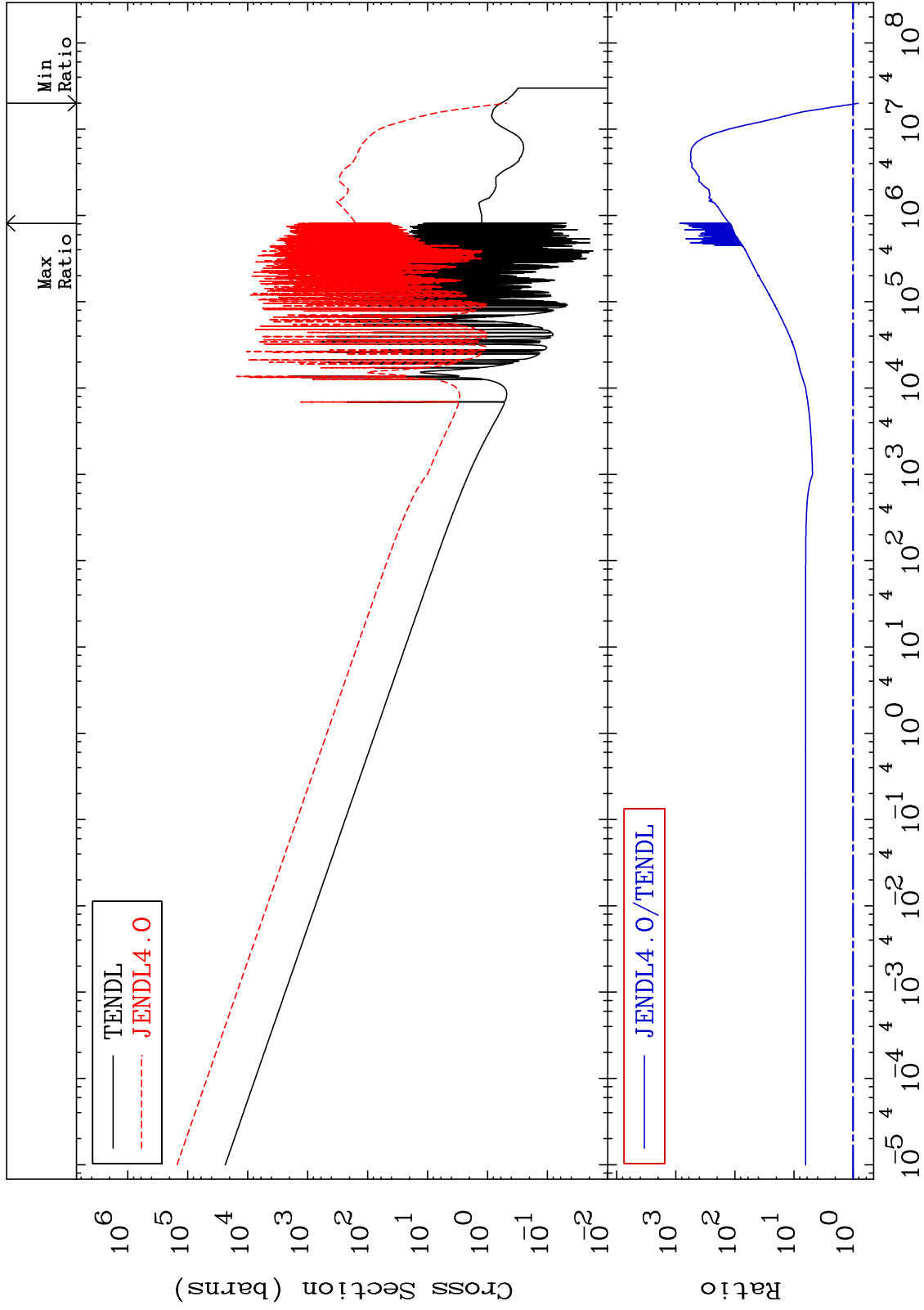
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma capture (mt102)
Cross Section

28-Ni-58
-18.64 To 9999. %



40

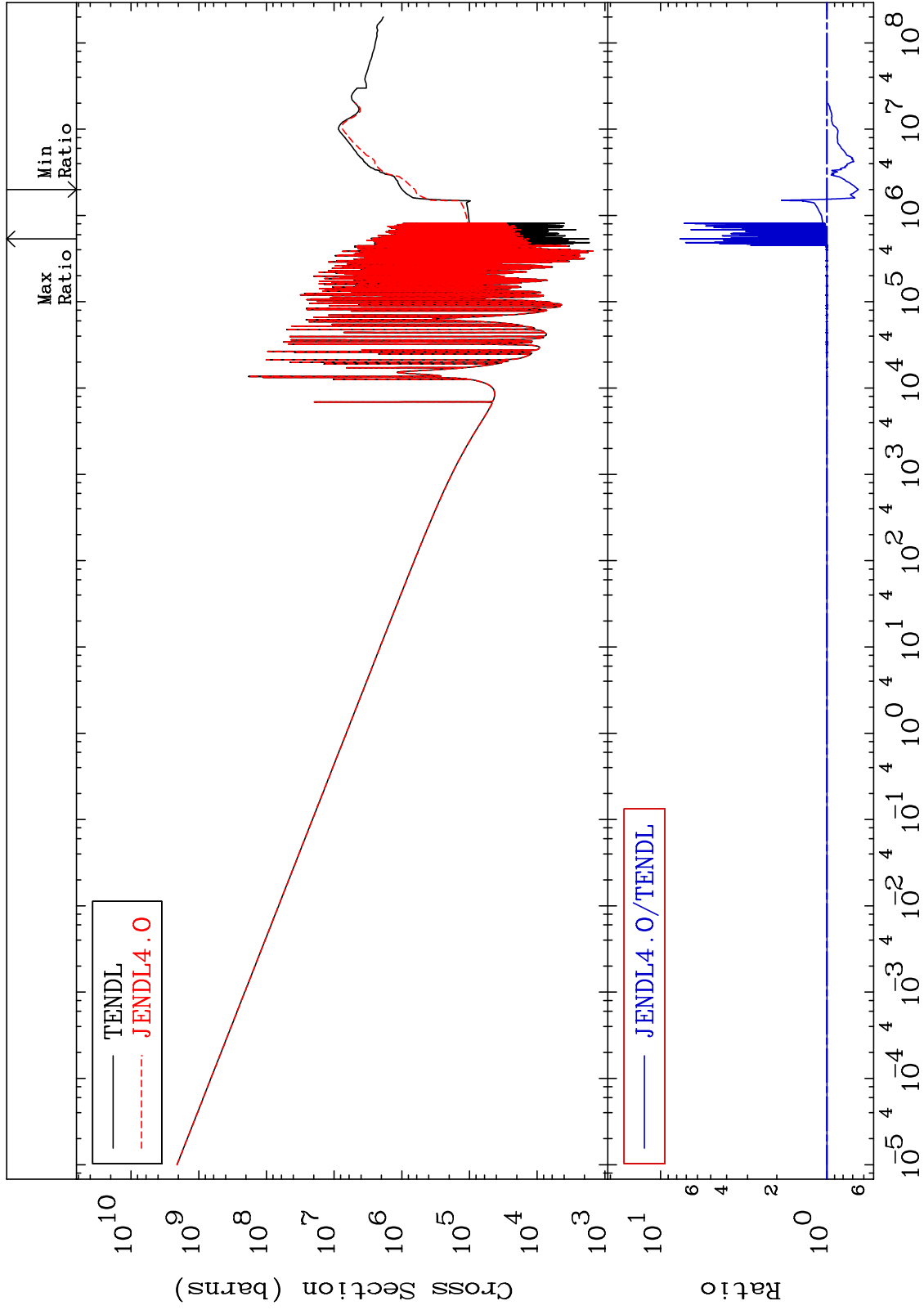
Incident Energy (eV)

28-Ni-58

MAT 2825

Total photon (eV-barns)
Cross Section

28-Ni-58
-35.35 To 663.4 %



41

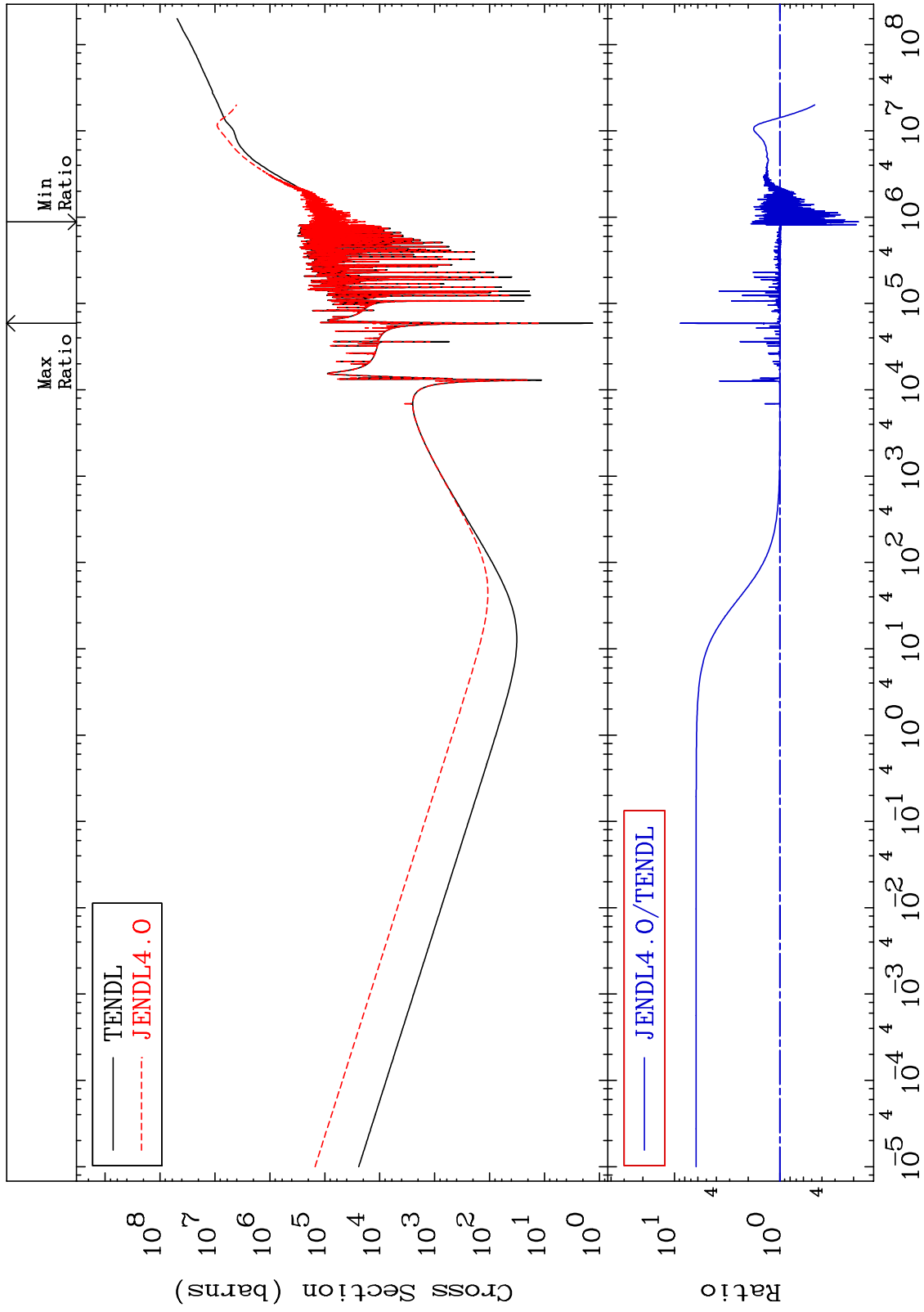
Incident Energy (eV)

28-Ni-58

MAT 2825

Total kinematic kerma (high limit)
Cross Section

28-Ni-58
-82.00 To 786.6 %



42

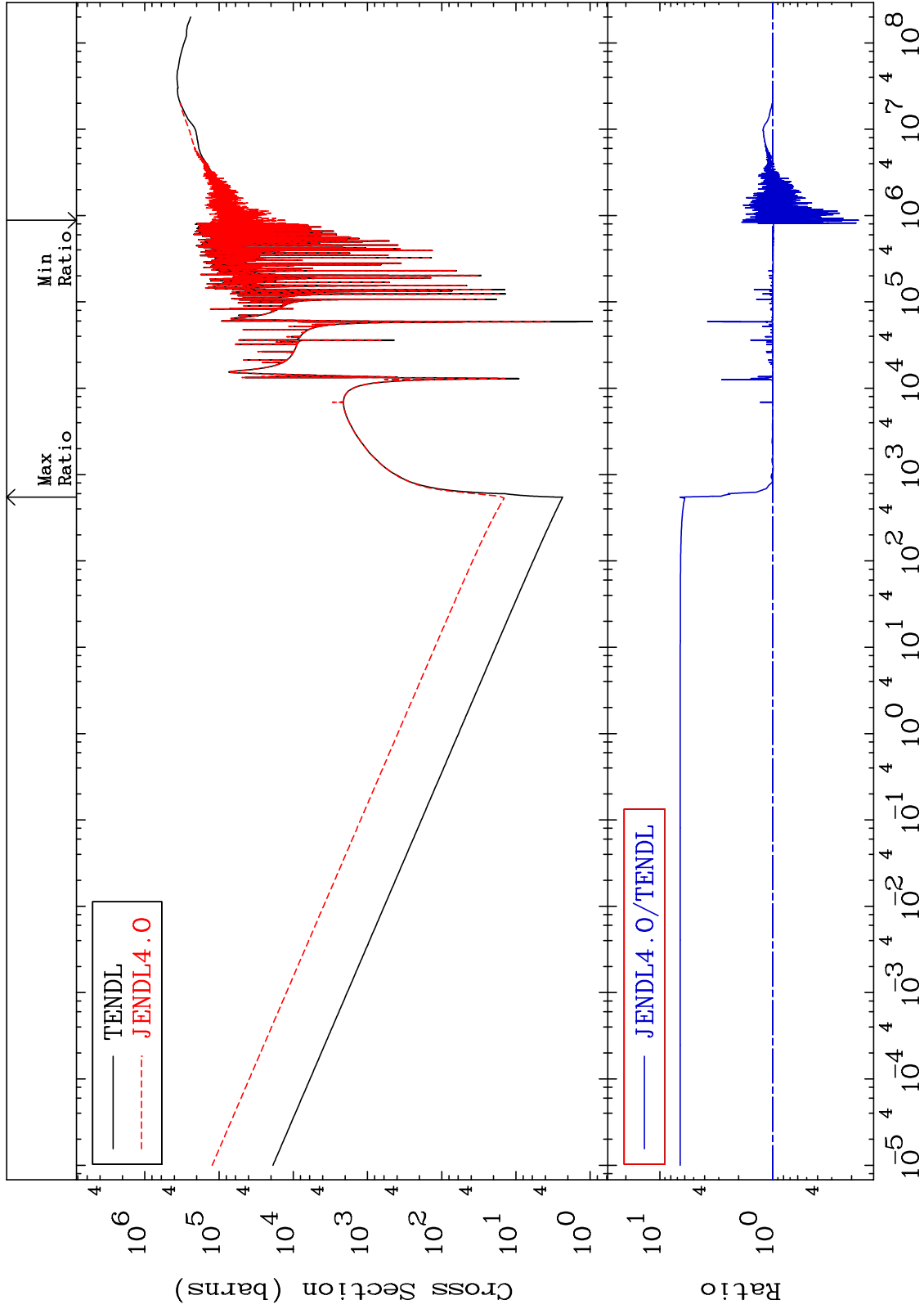
Incident Energy (eV)

28-Ni-58

MAT 2825

Dpa total (eV-barns)
Cross Section

28-Ni-58
-82.62 To 561.9 %



43

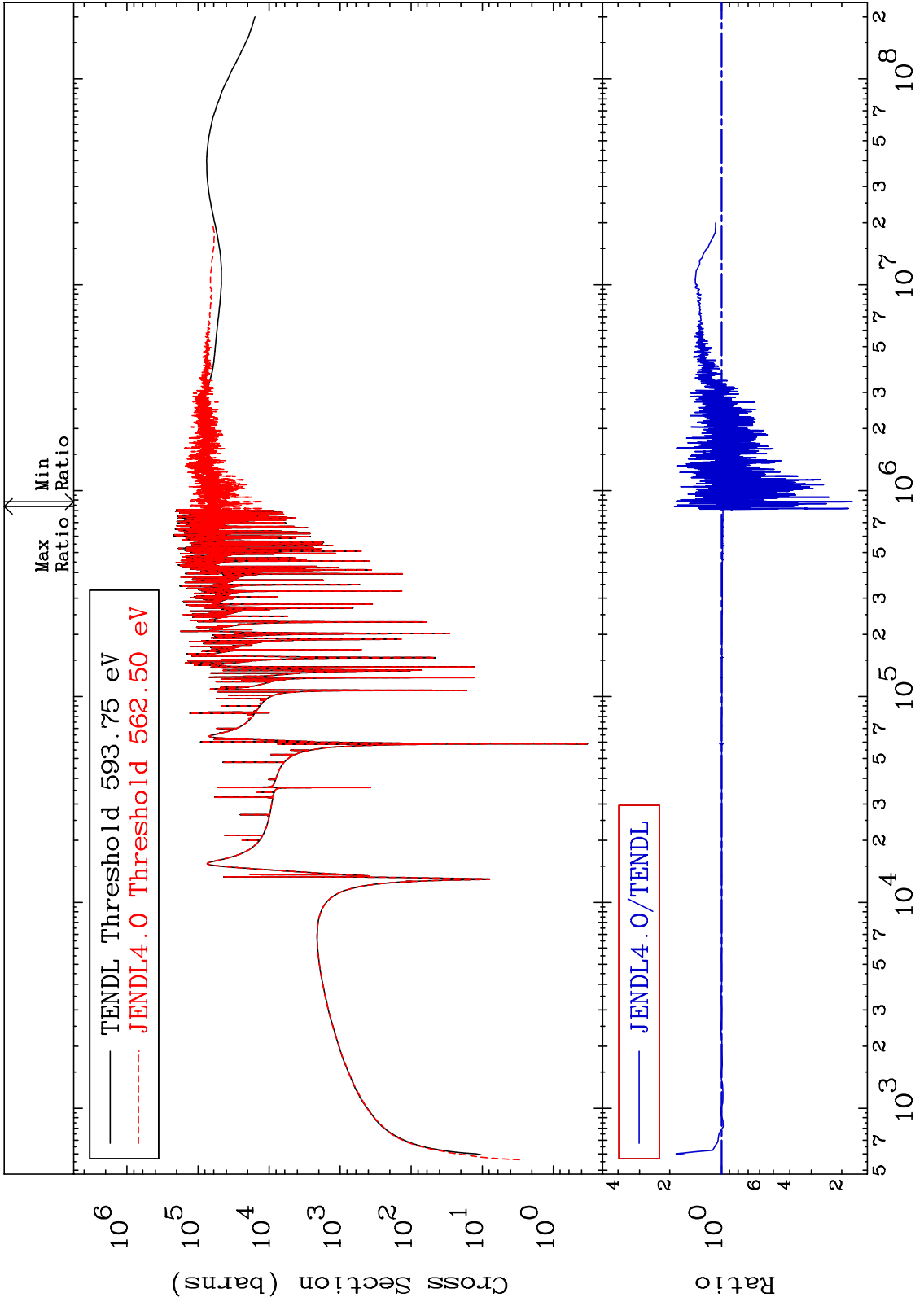
Incident Energy (eV)

28-Ni-58

MAT 2825

Dpa elastic (mt2)
Cross Section

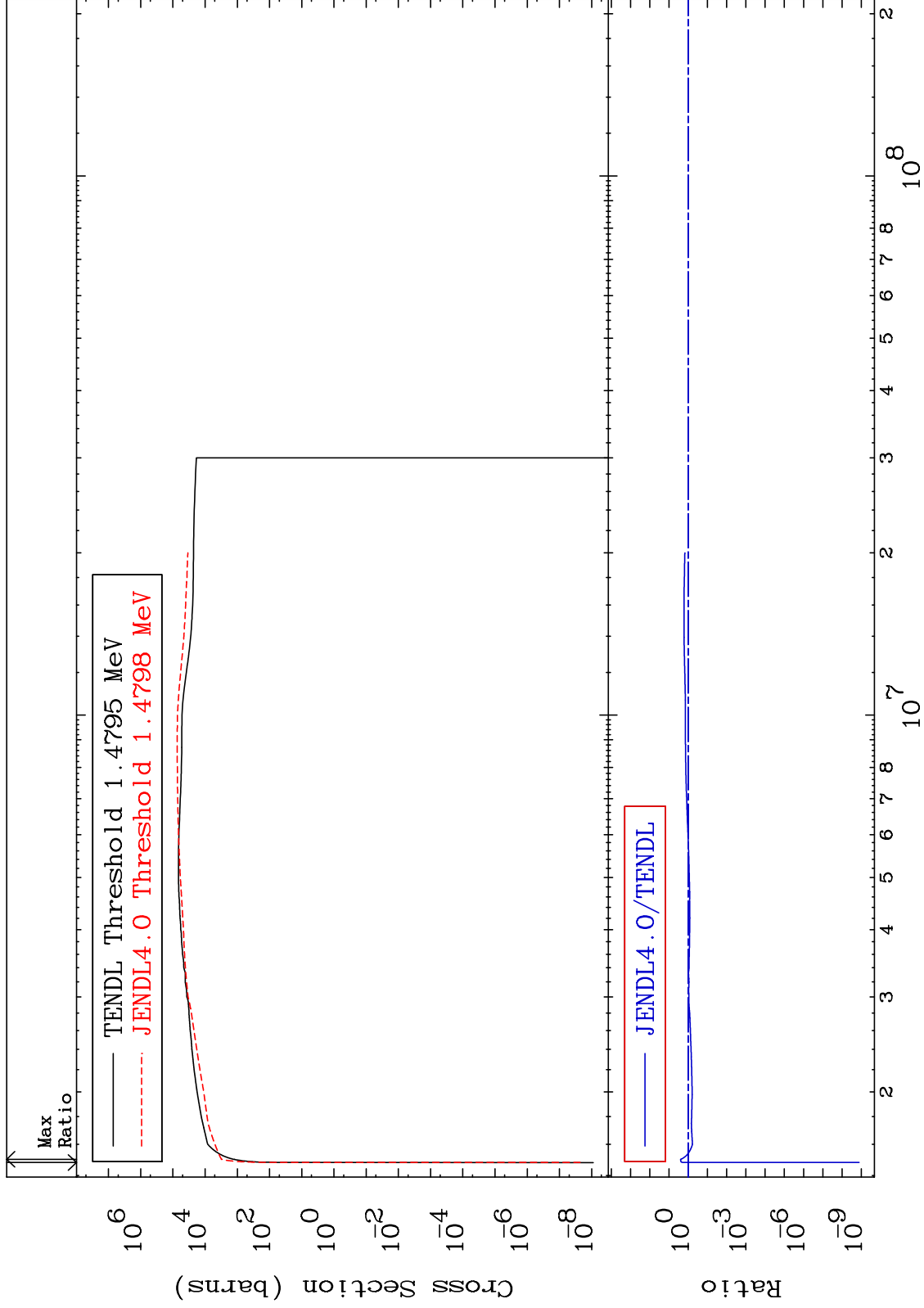
28-Ni-58
-82.64 To 87.68 %



MAT 2825

Dpa inelastic (mt51-91)
Cross Section

28-Ni-58
-100.0 To 147.1 %



45

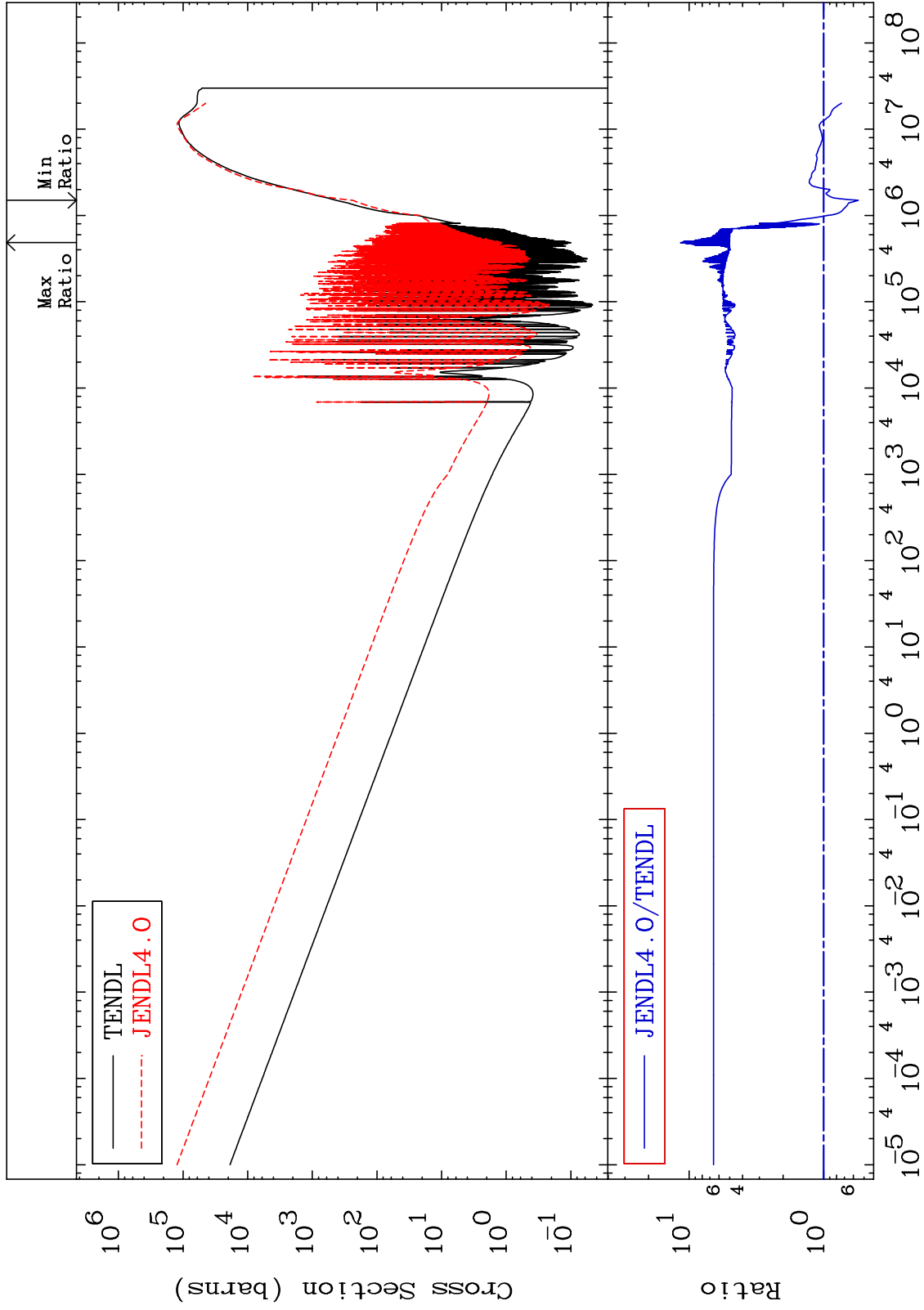
28-Ni-58

28-Ni-58

MAT 2825

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-58
-44.90 To 1068. %



46

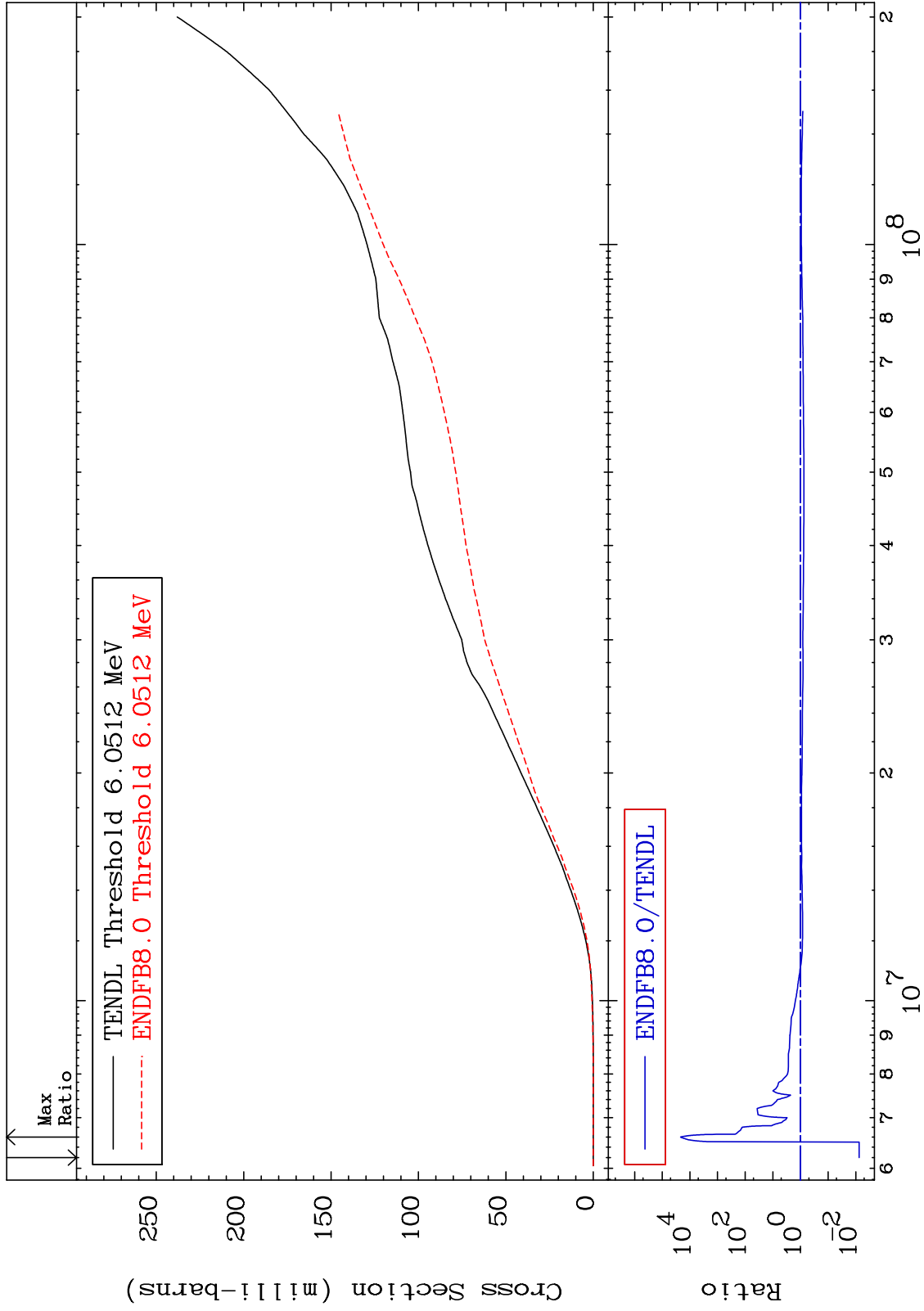
Incident Energy (eV)

28-Ni-58

MAT 2825

Deuterium Production
Cross Section

28-Ni-58
-99.25 To 9999. %



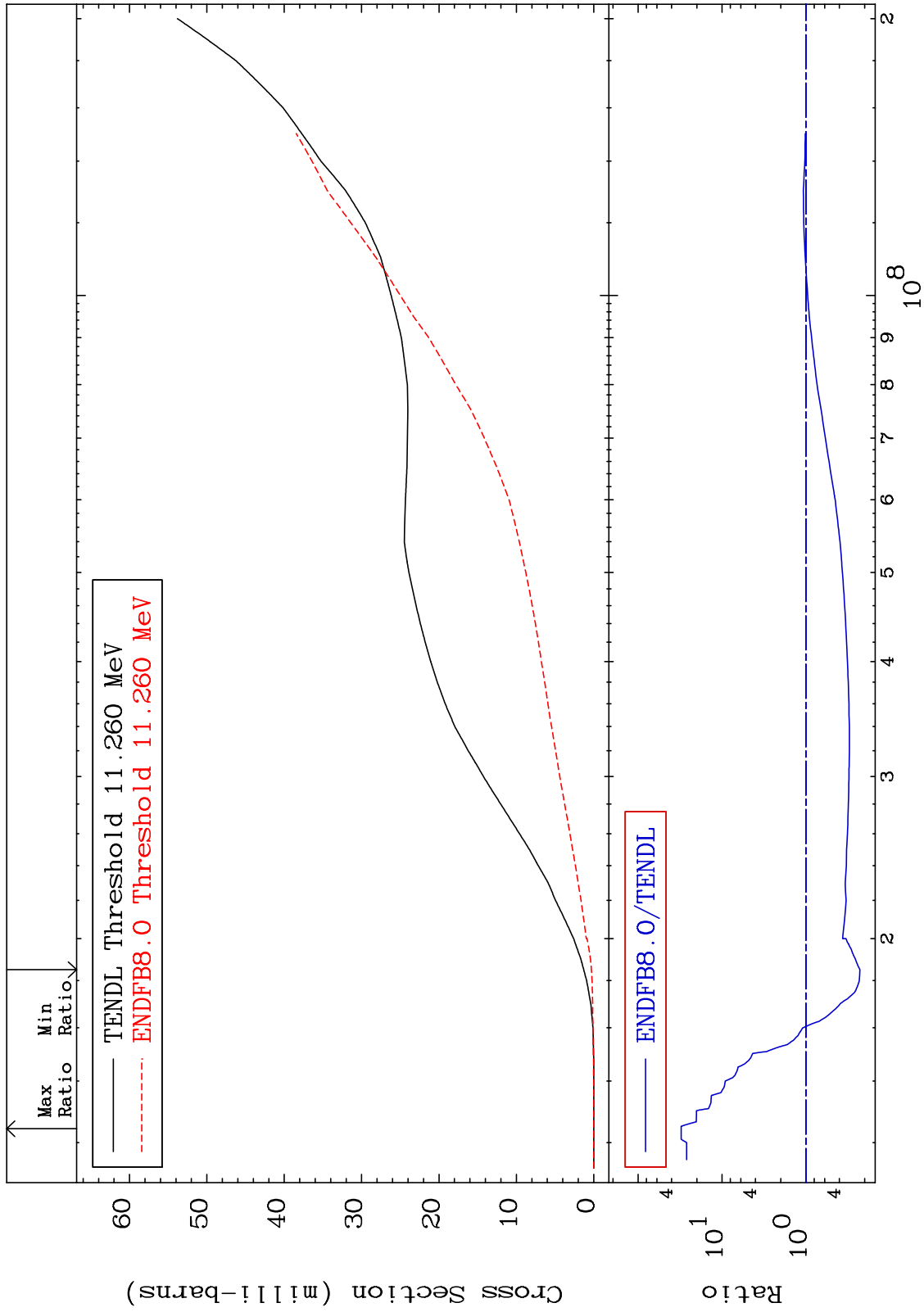
47

28-Ni-58

MAT 2825

Tritium Production
Cross Section

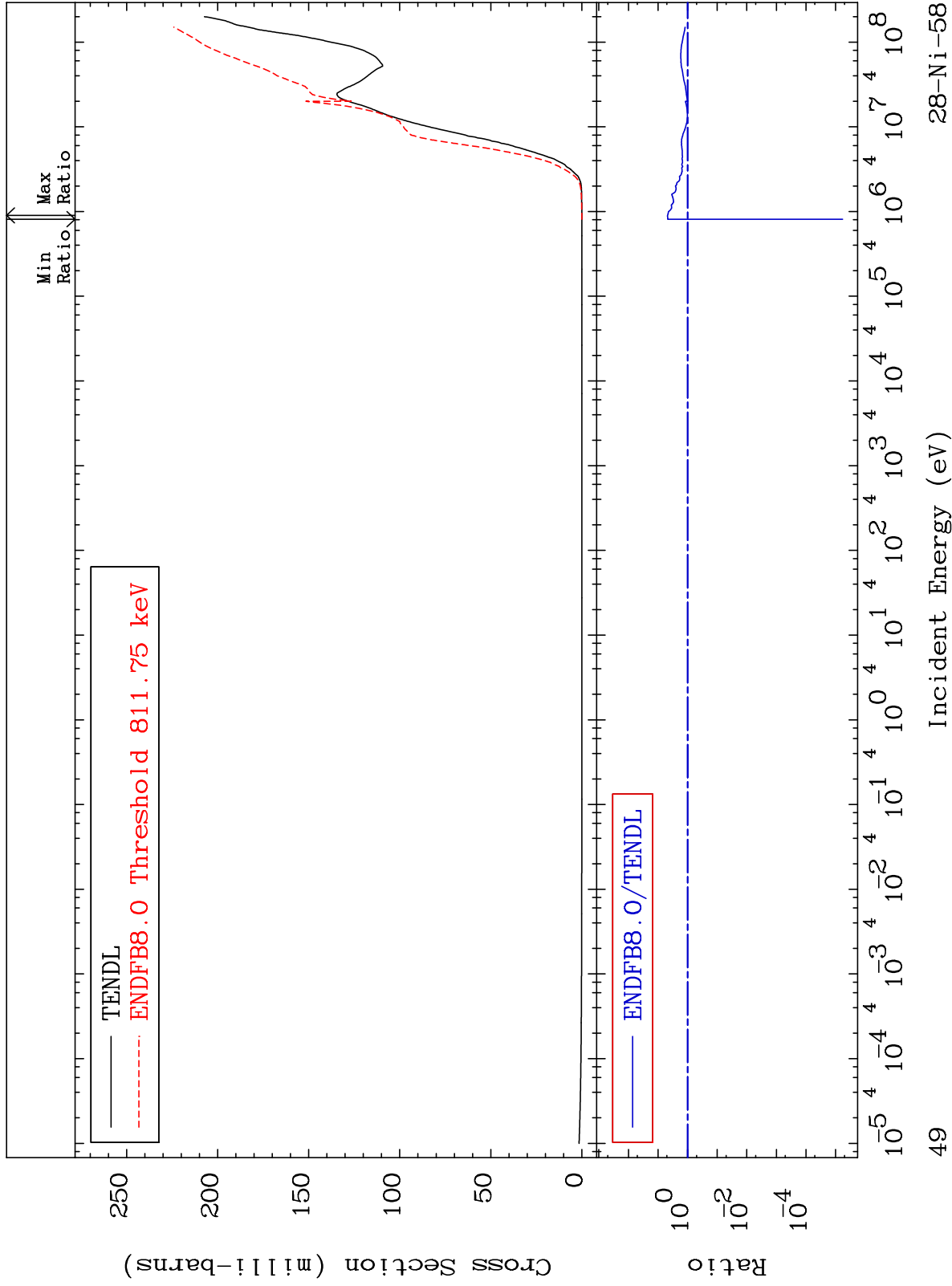
28-Ni-58
-77.24 To 2971. %



MAT 2825

He-4 Production
Cross Section

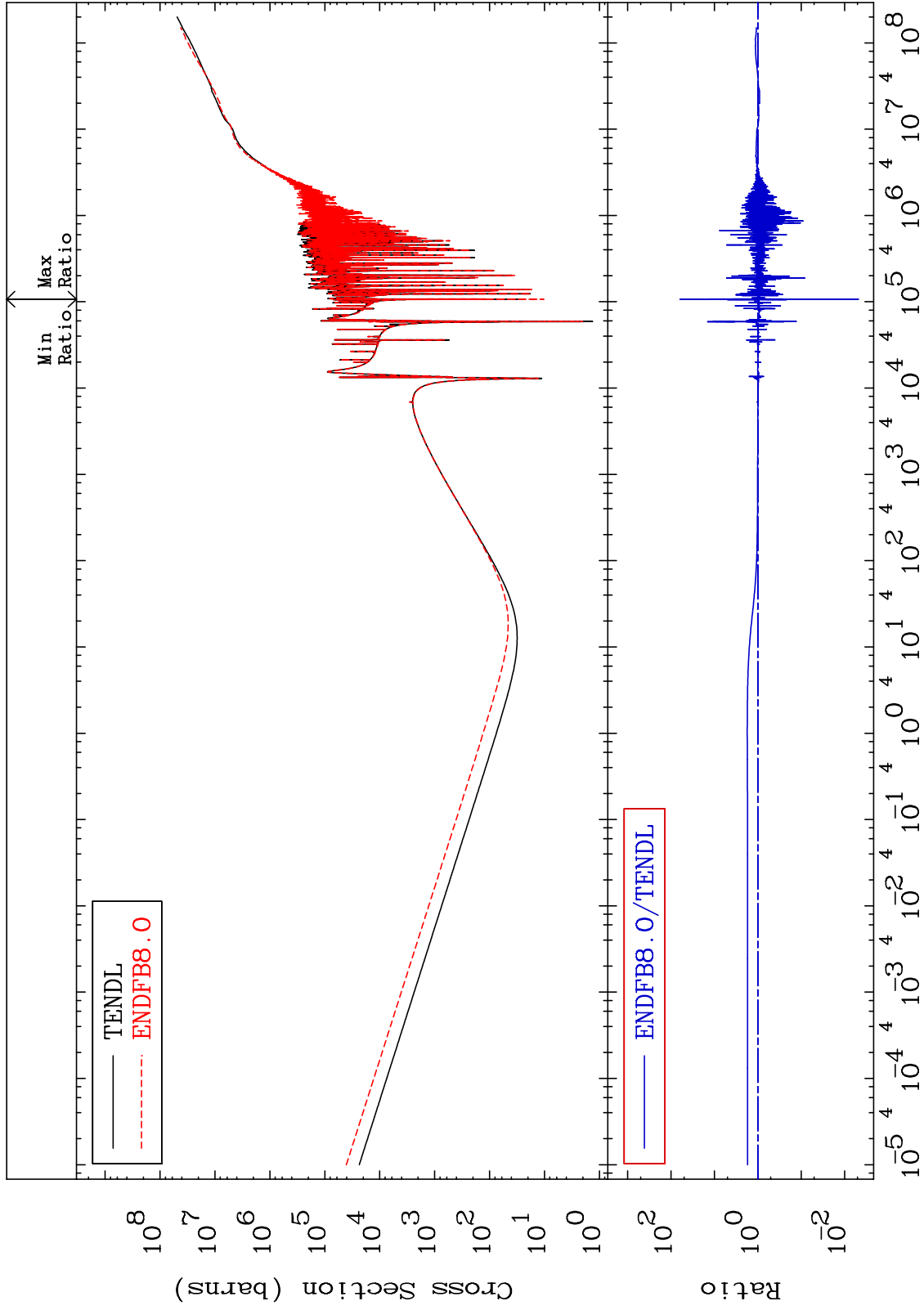
28-Ni-58
-100.0 To 376.0 %



MAT 2825

Kerma total (eV-barns)
Cross Section

28-Ni-58
-99.52 To 6073. %



50

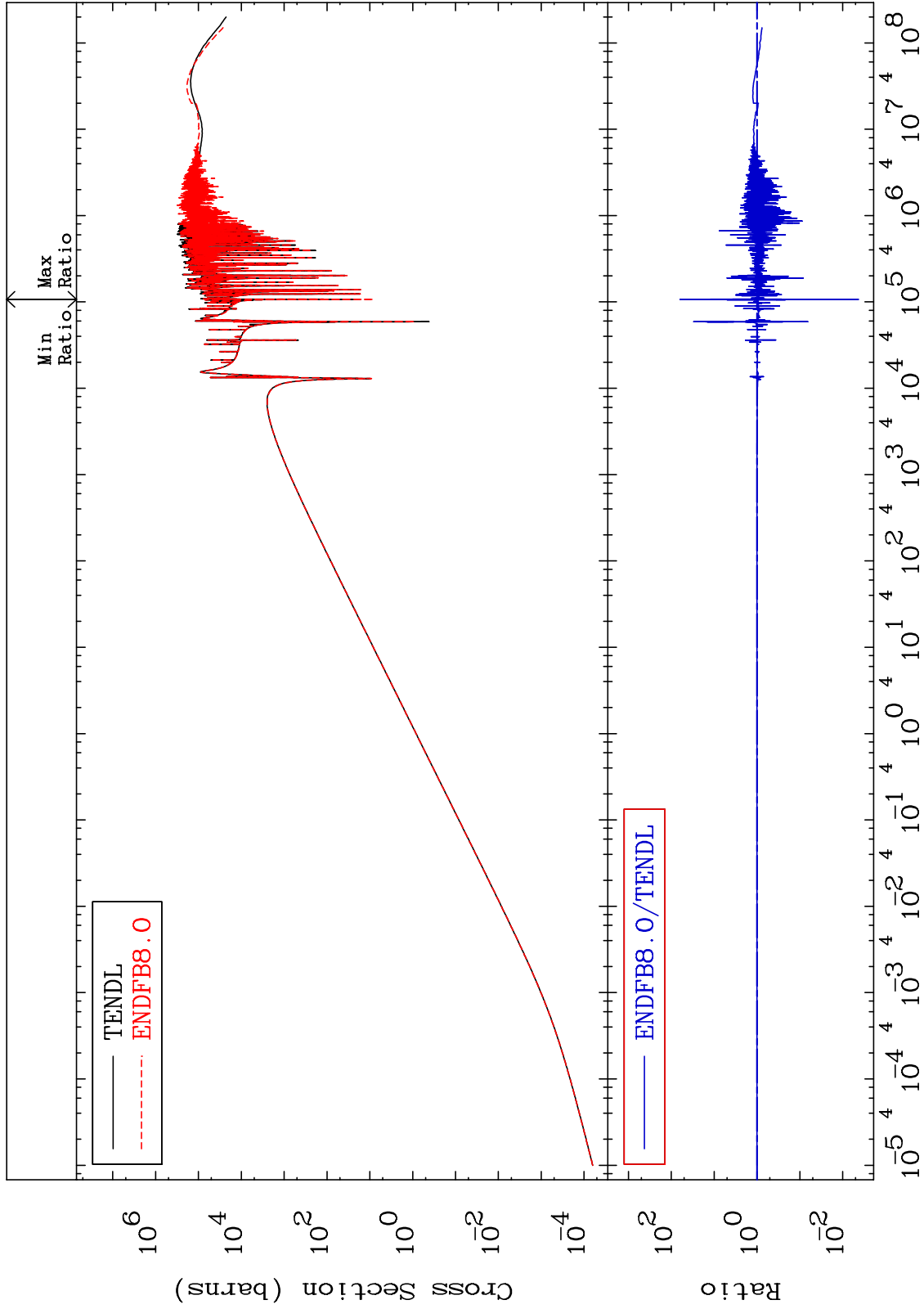
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma elastic
Cross Section

28-Ni-58
-99.57 To 6157. %



51

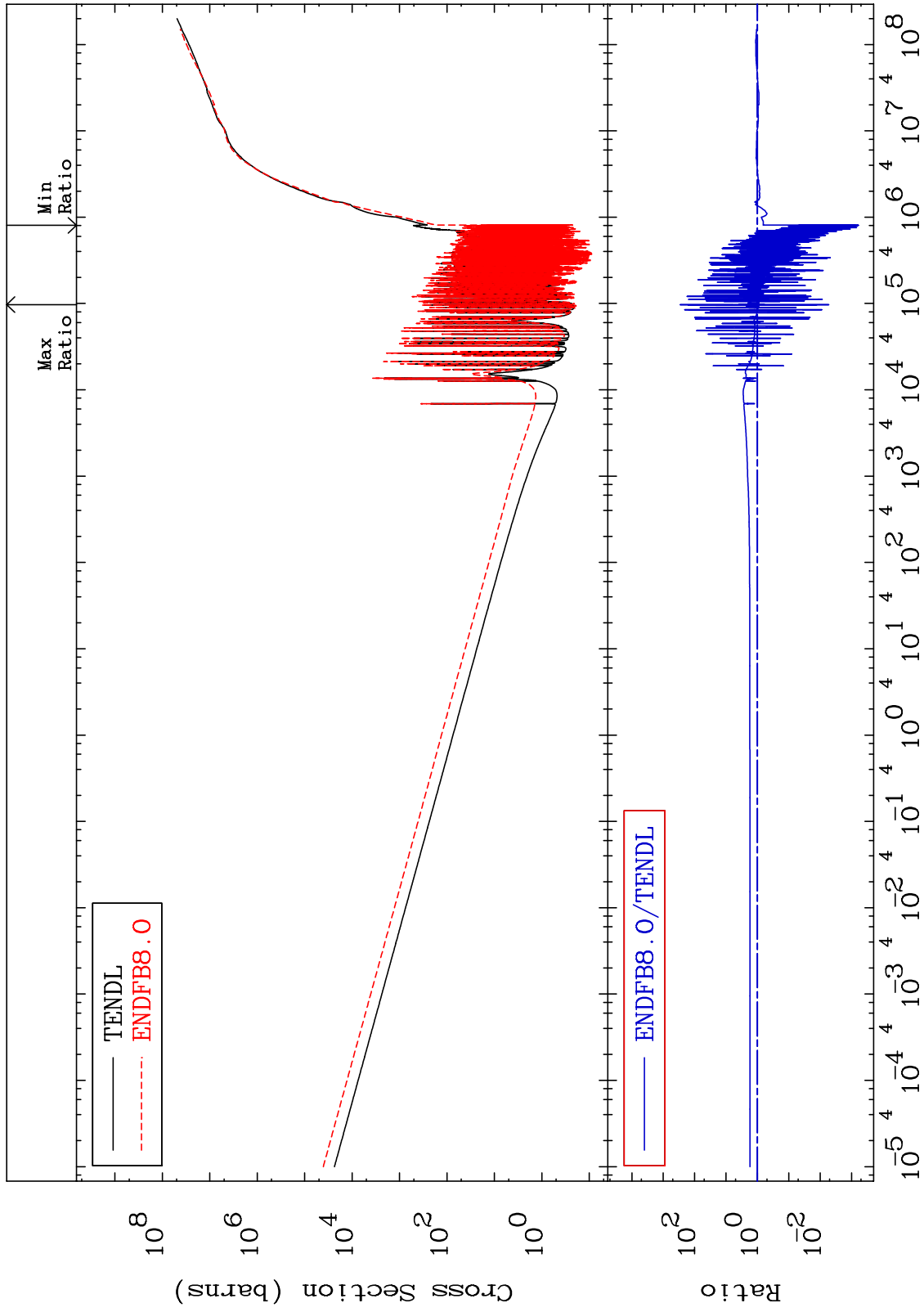
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-58
-99.94 To 9999. %



52

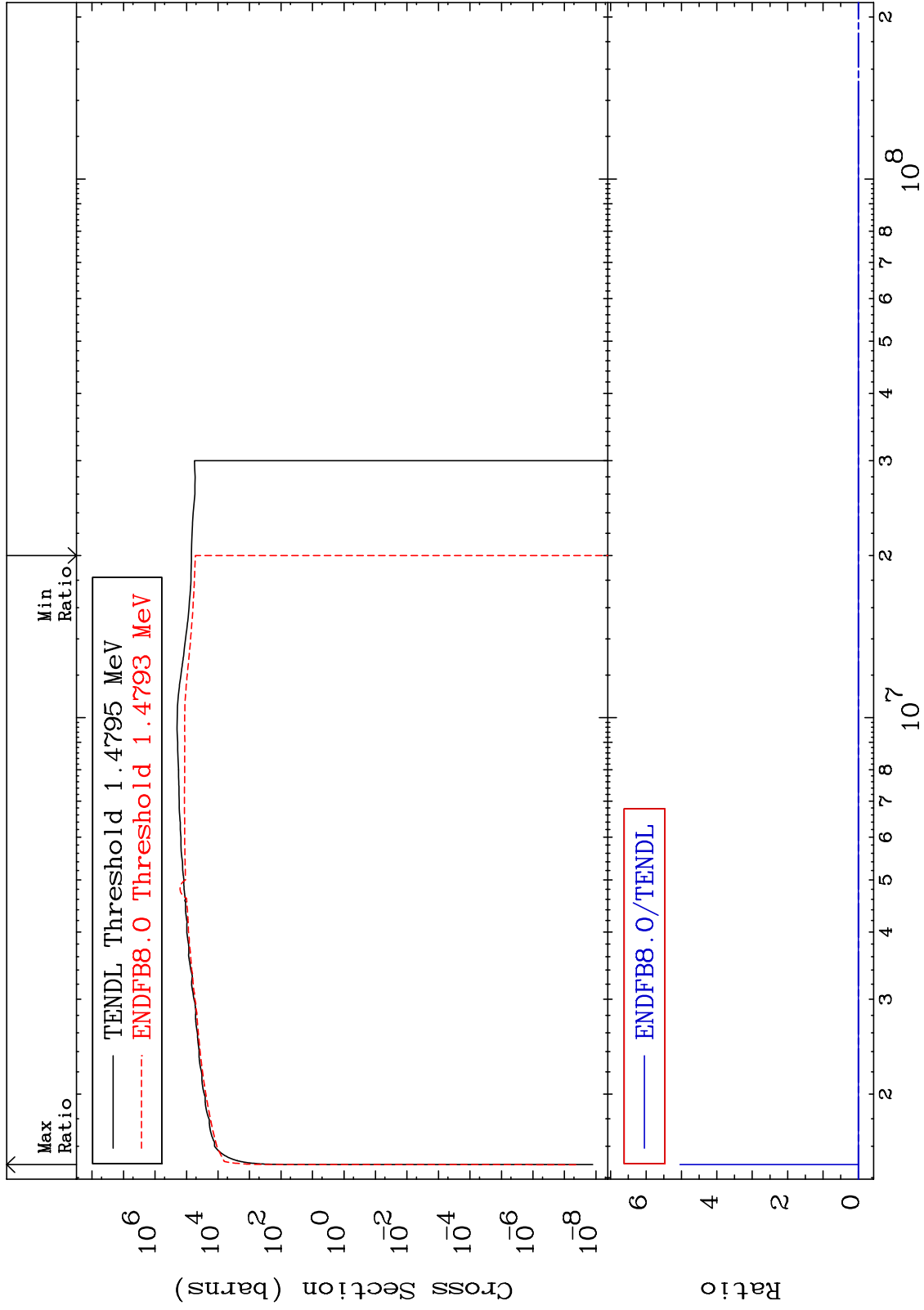
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma inelastic (mt51-91)
Cross Section

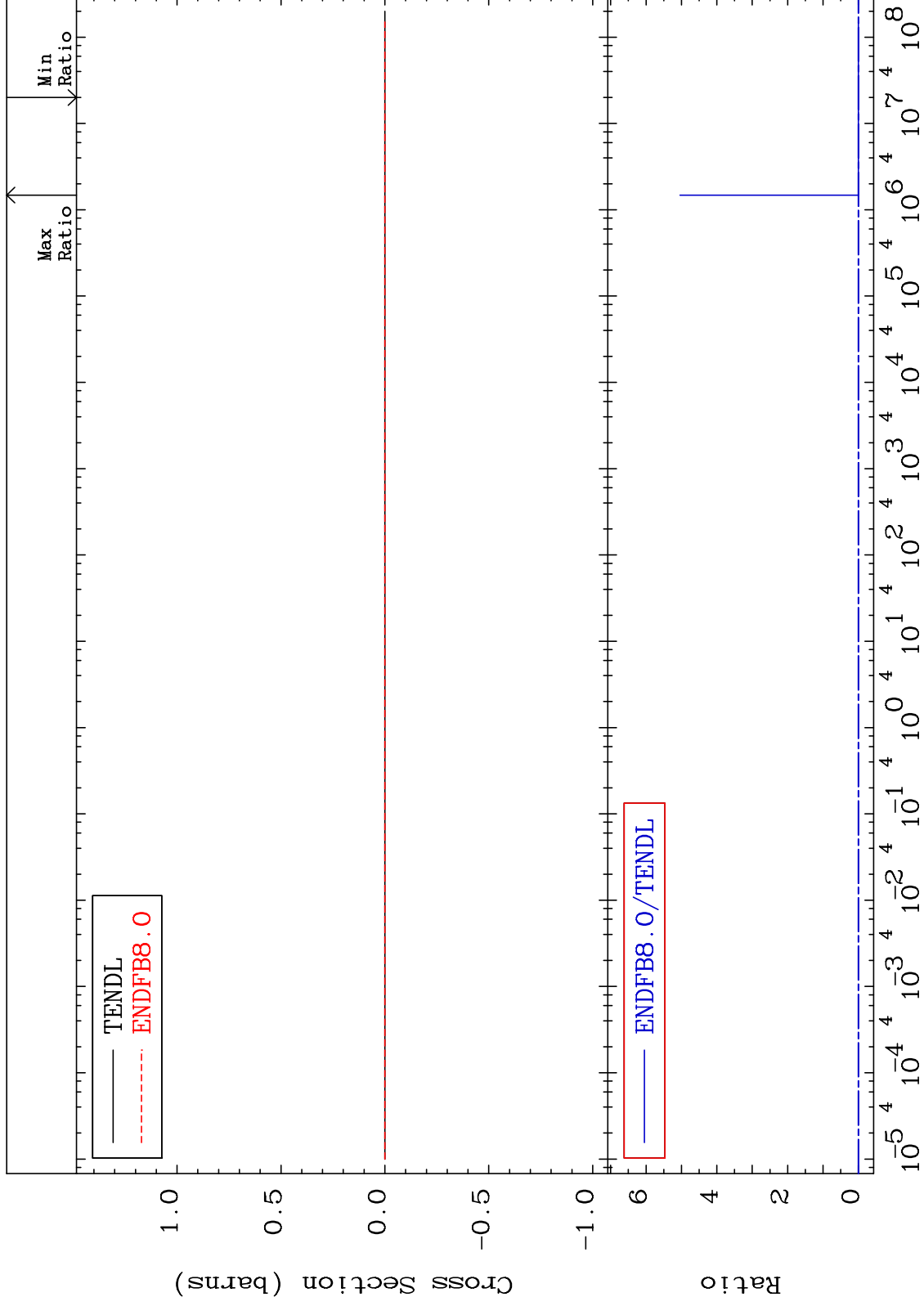
28-Ni-58
-100.0 To 9999. %



MAT 2825

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

28-Ni-58
-100.0 To 9999. %



54

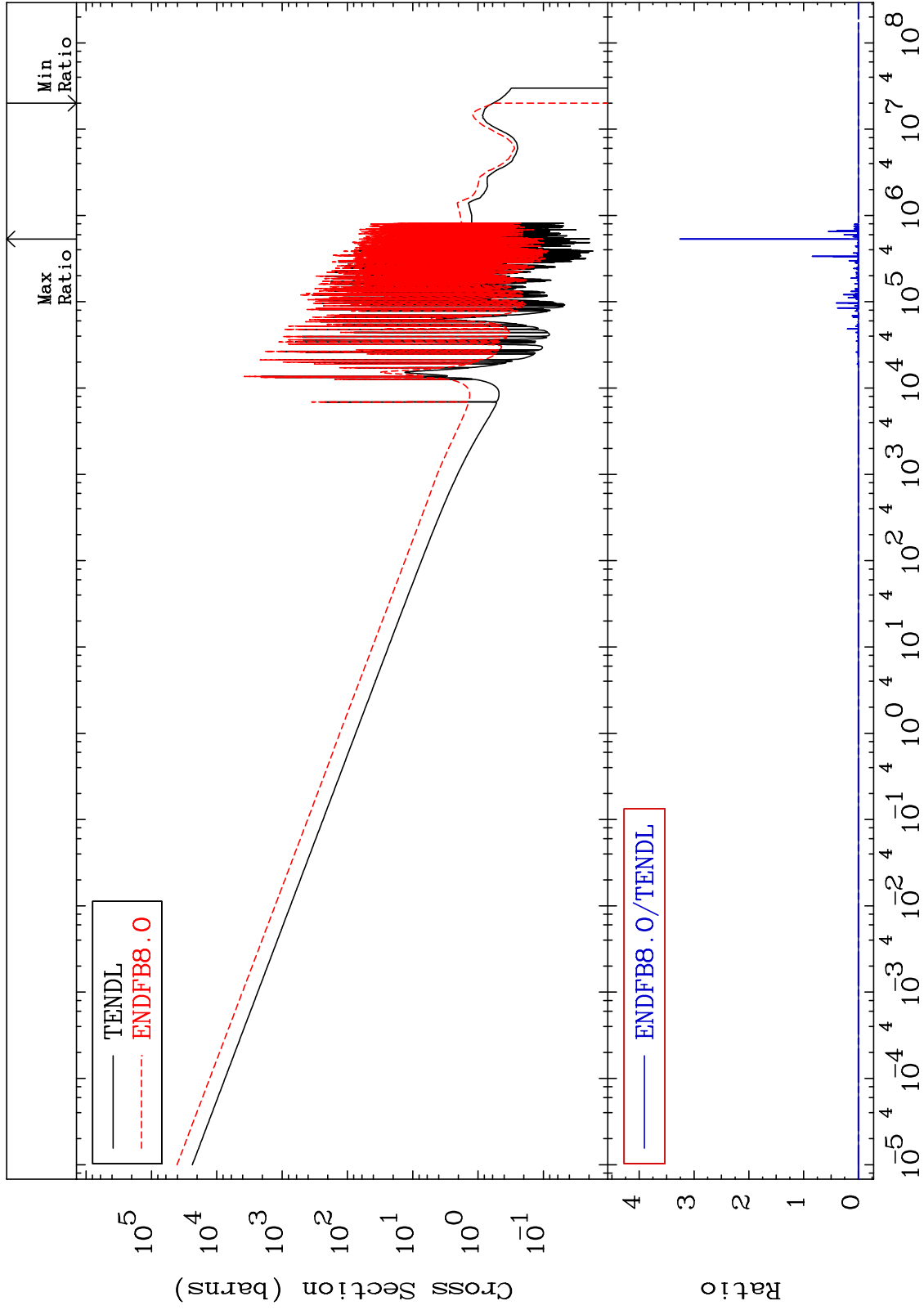
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma capture (mt102)
Cross Section

28-Ni-58
-100.0 To 9999. %



55

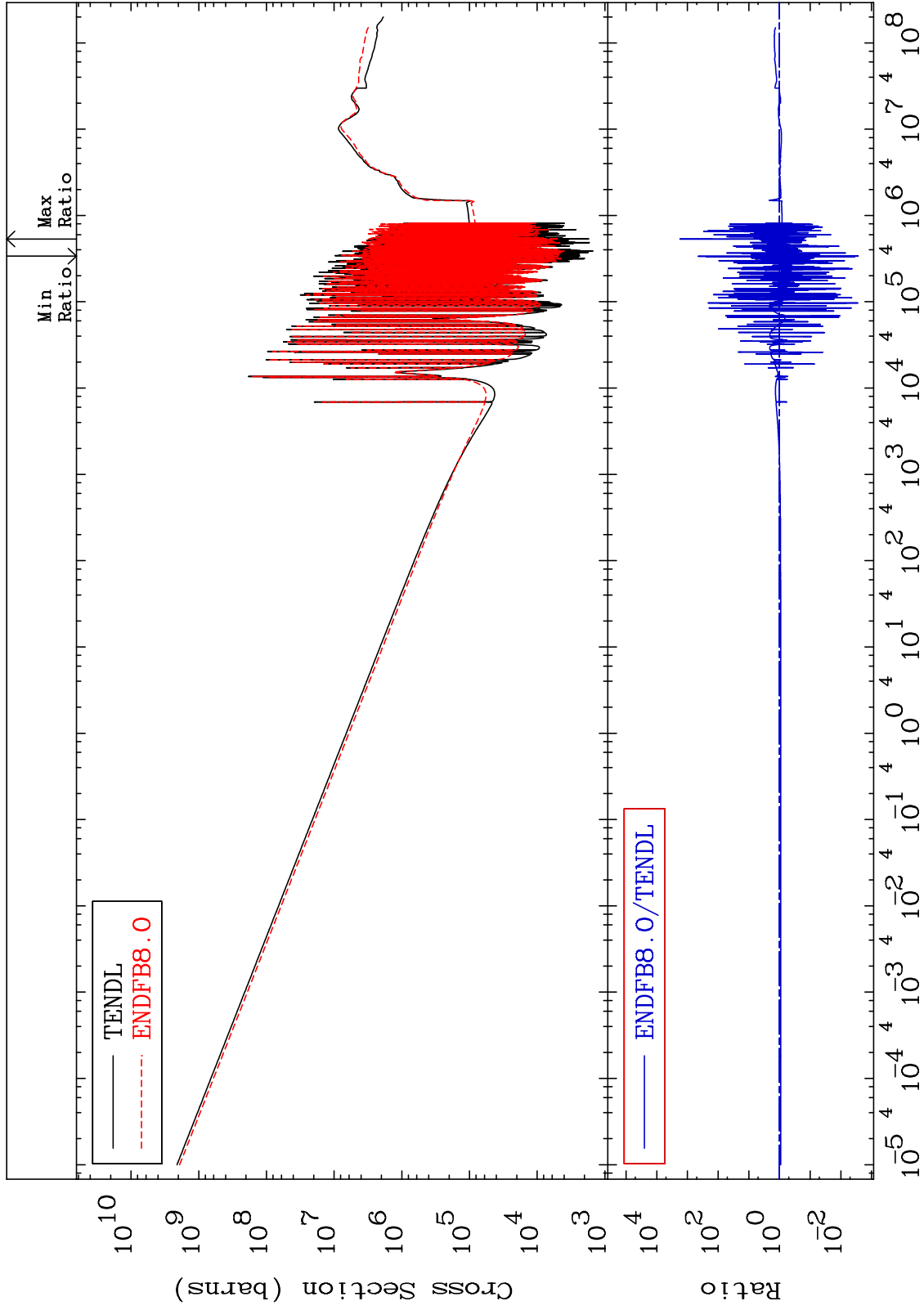
Incident Energy (eV)

28-Ni-58

MAT 2825

Total photon (eV-barns)
Cross Section

28-Ni-58
-99.73 To 9999. %



56

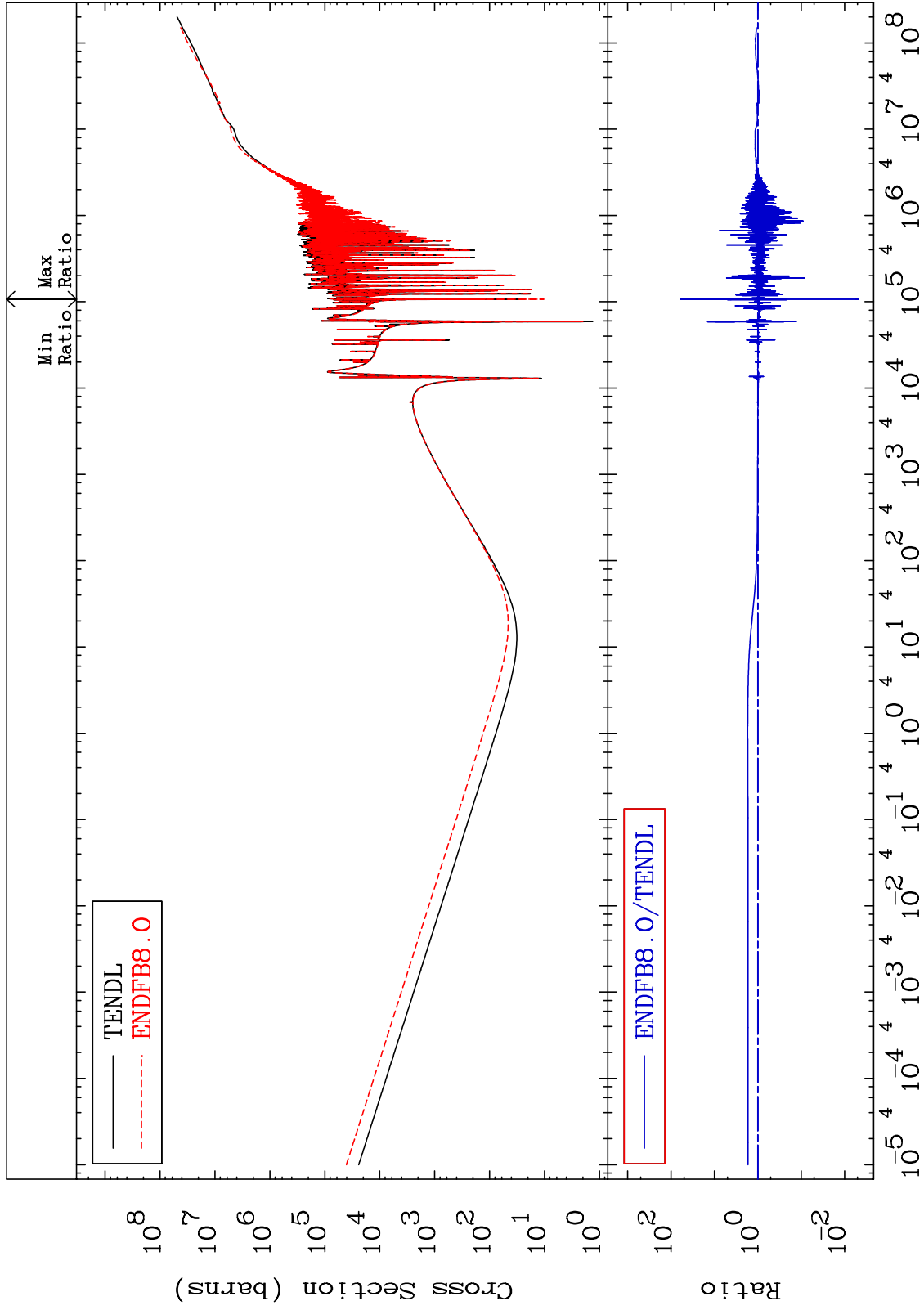
Incident Energy (eV)

28-Ni-58

MAT 2825

Total kinematic kerma (high limit)
Cross Section

28-Ni-58
-99.52 To 6073. %



57

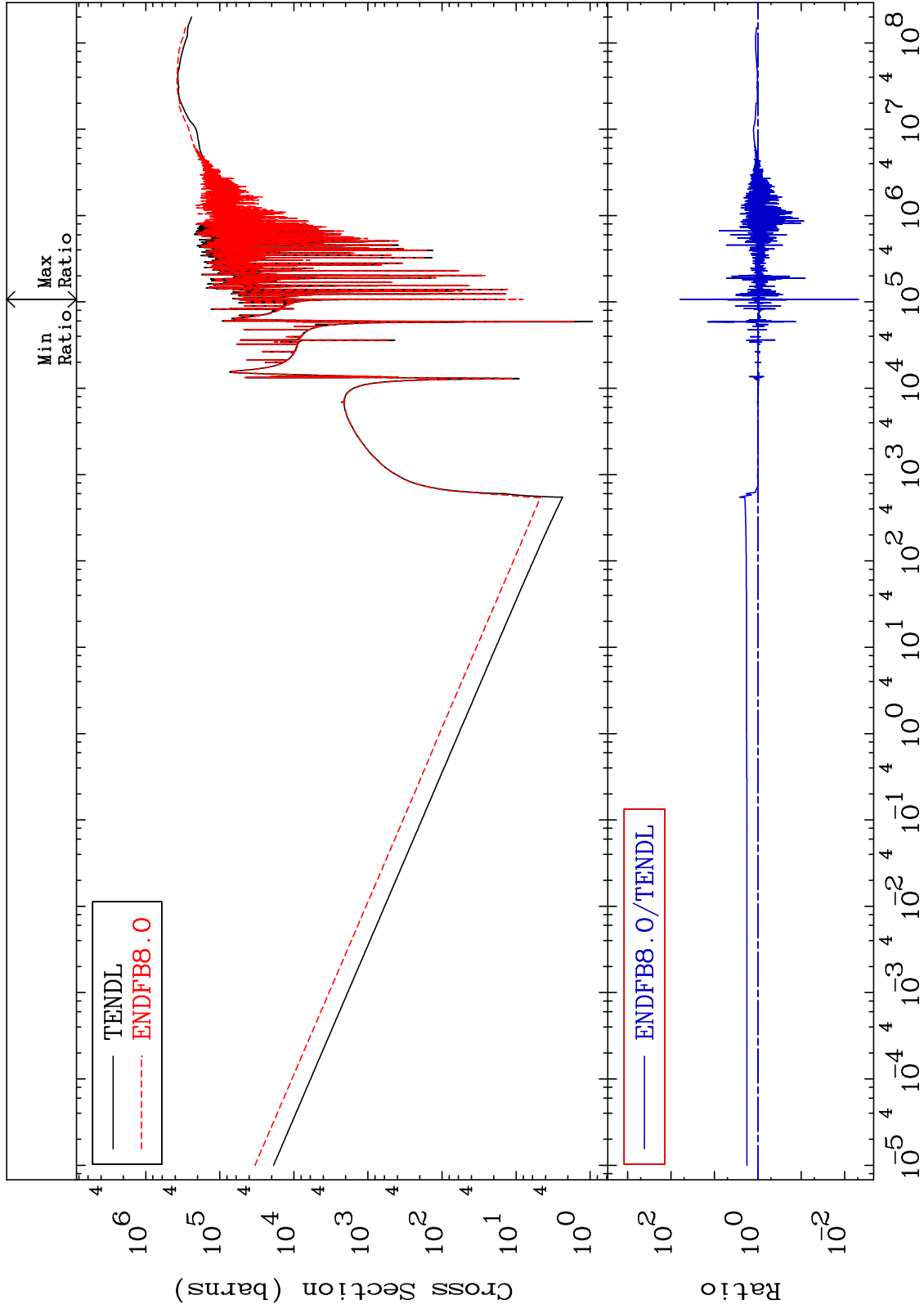
Incident Energy (eV)

28-Ni-58

MAT 2825

Dpa total (eV-barns)
Cross Section

28-Ni-58
-99.52 To 6097. %



58

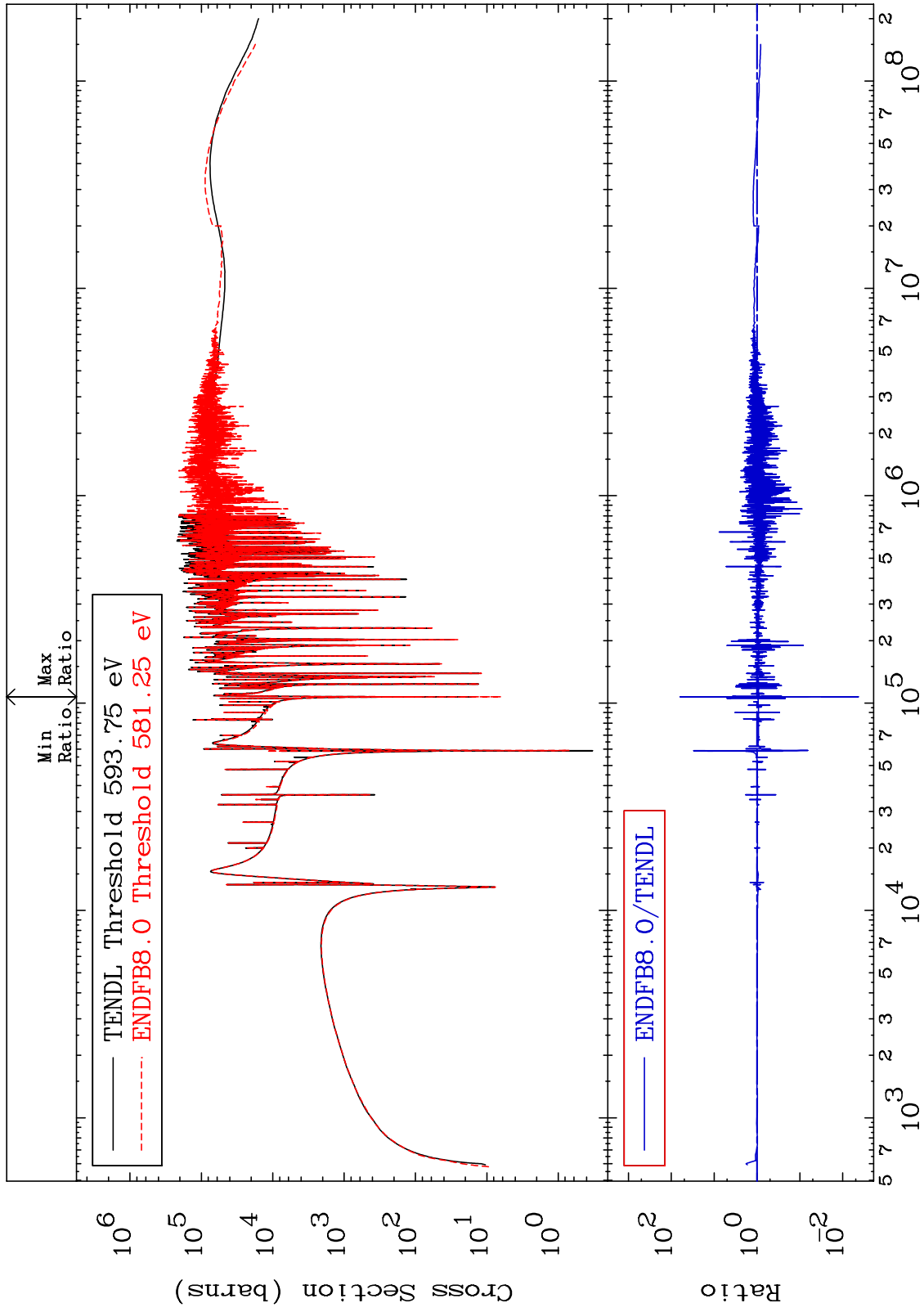
Incident Energy (eV)

28-Ni-58

MAT 2825

Dpa elastic (mt2)
Cross Section

28-Ni-58
-99.57 To 6169. %



59

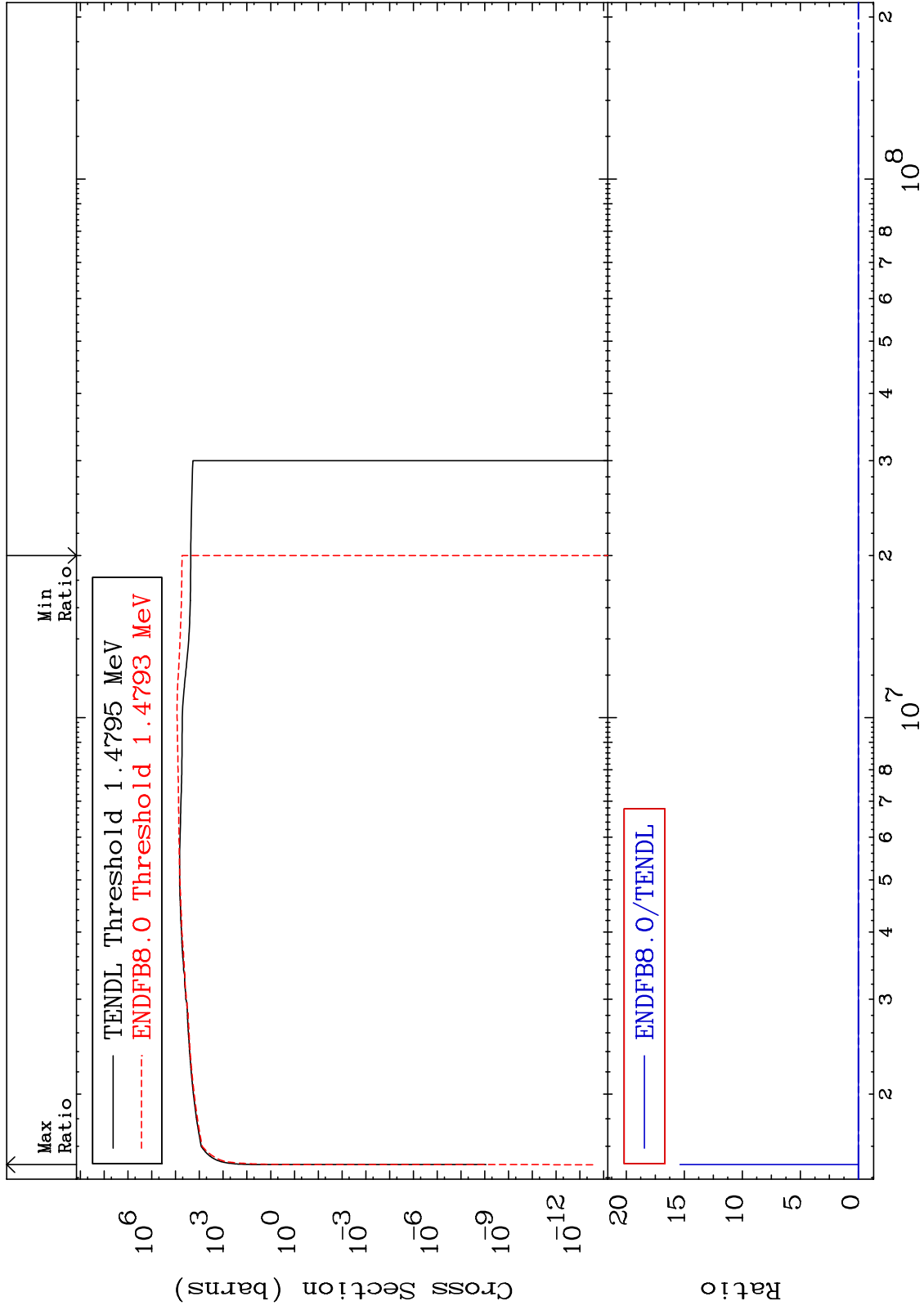
Incident Energy (eV)

28-Ni-58

MAT 2825

Dpa inelastic (mt51-91)
Cross Section

28-Ni-58
-100.0 To 9999. %



60

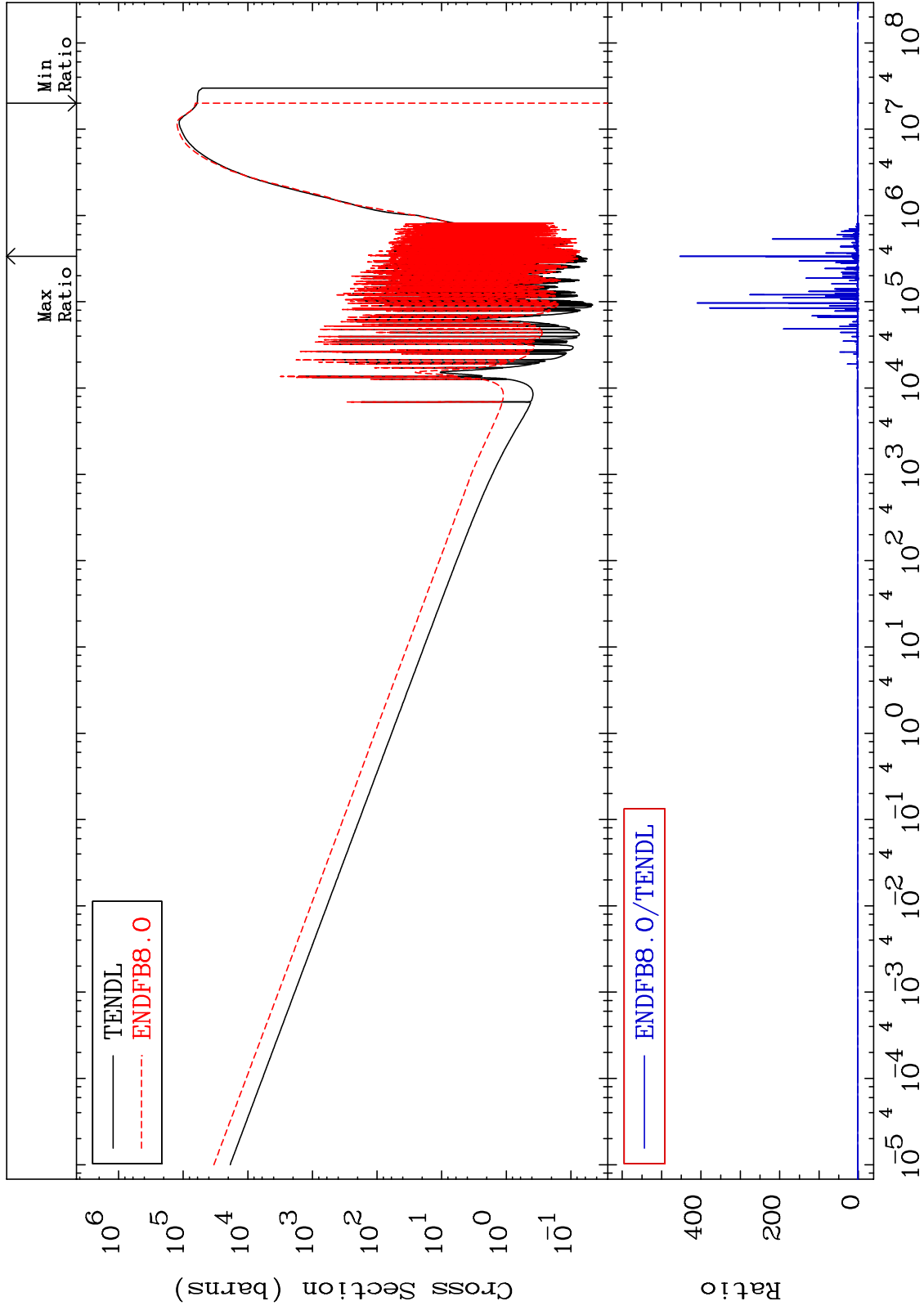
28-Ni-58

Incident Energy (eV)

MAT 2825

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-58
-100.0 To 9999. %



61

Incident Energy (eV)

28-Ni-58