

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

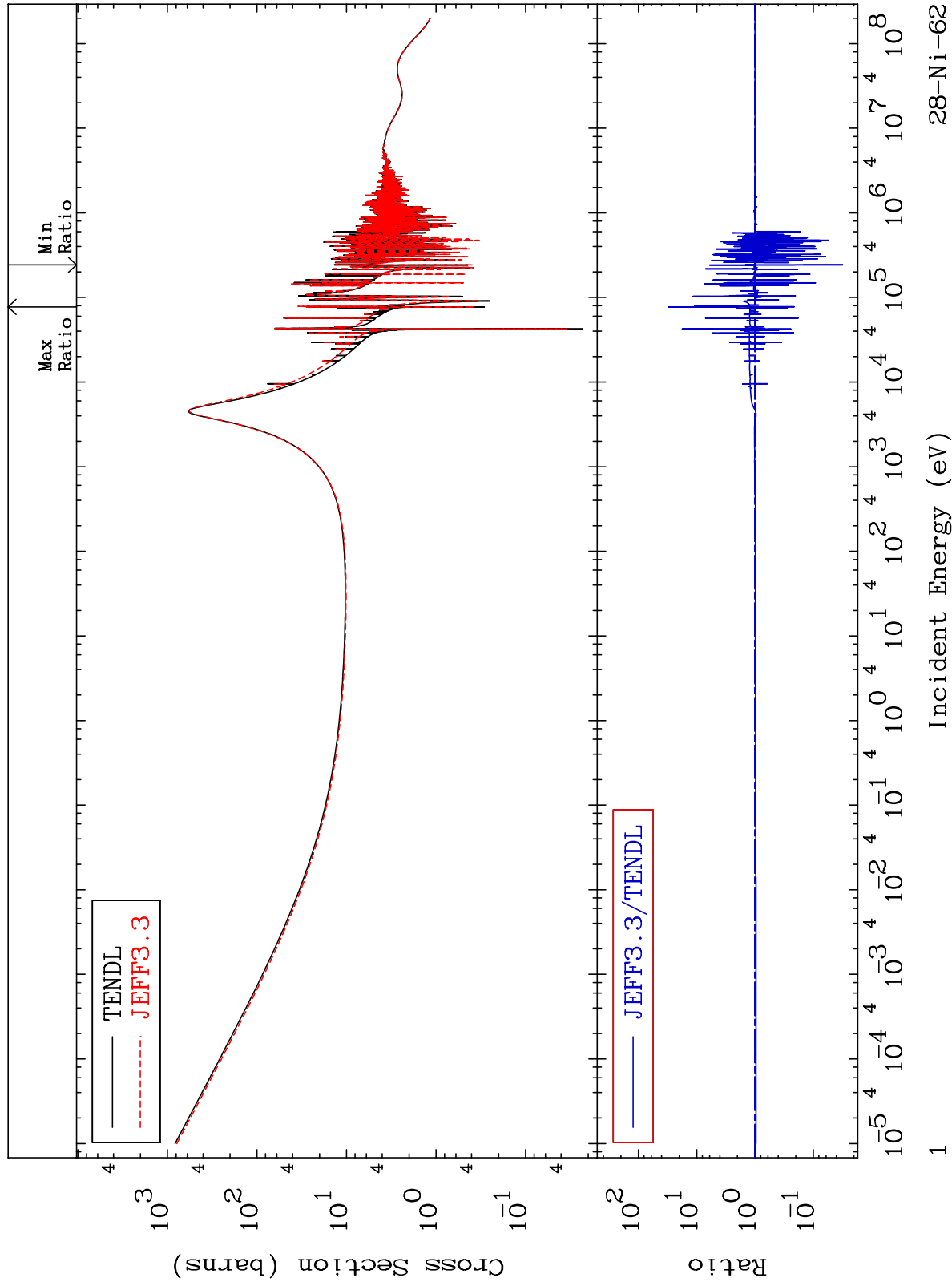
MAT 2837

Total

Cross Section

28-Ni-62

-96.90 To 3009. %



Incident Energy (eV)

28-Ni-62

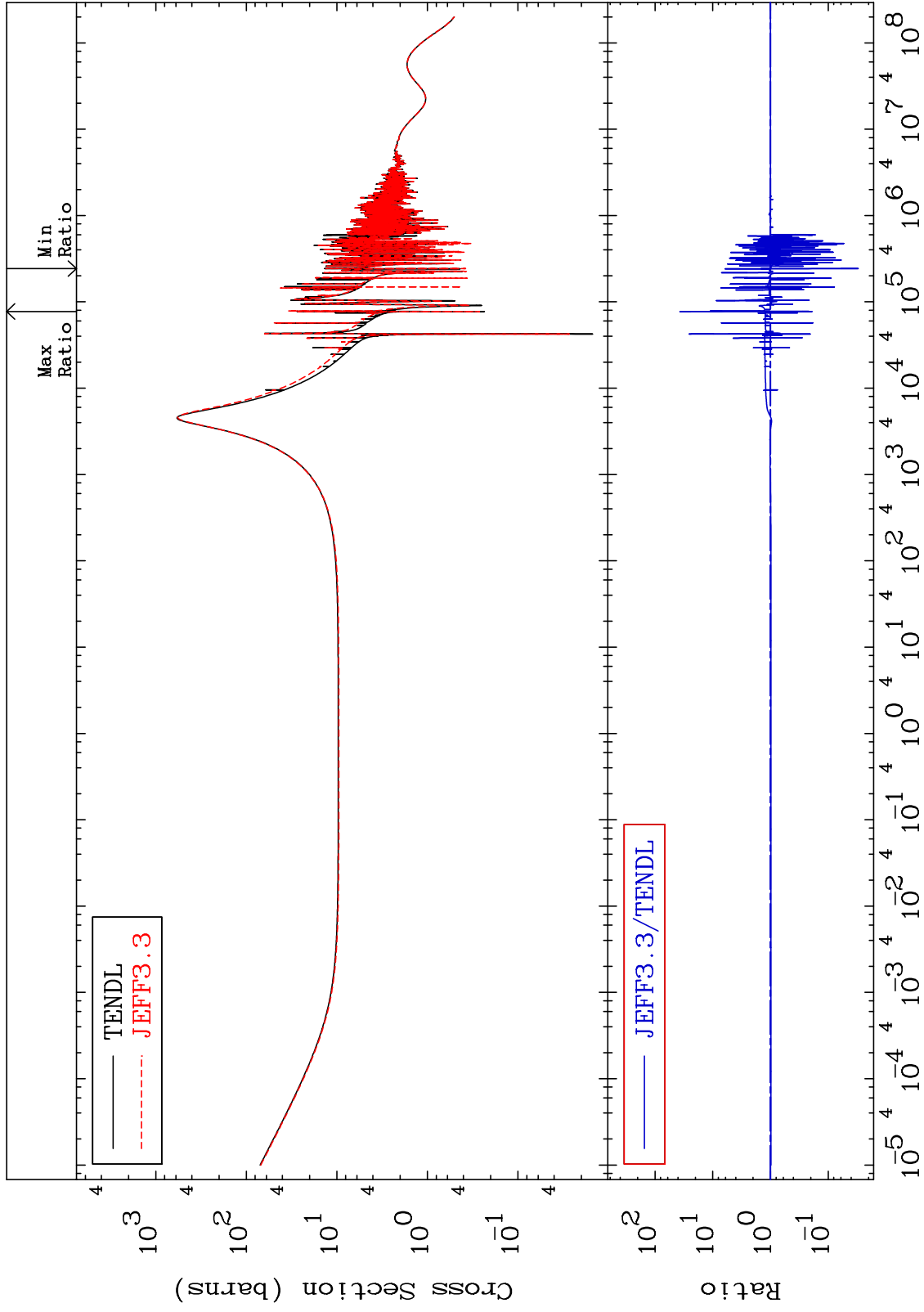
MAT 2837

Elastic

Cross Section

28-Ni-62

-97.01 To 3589. %



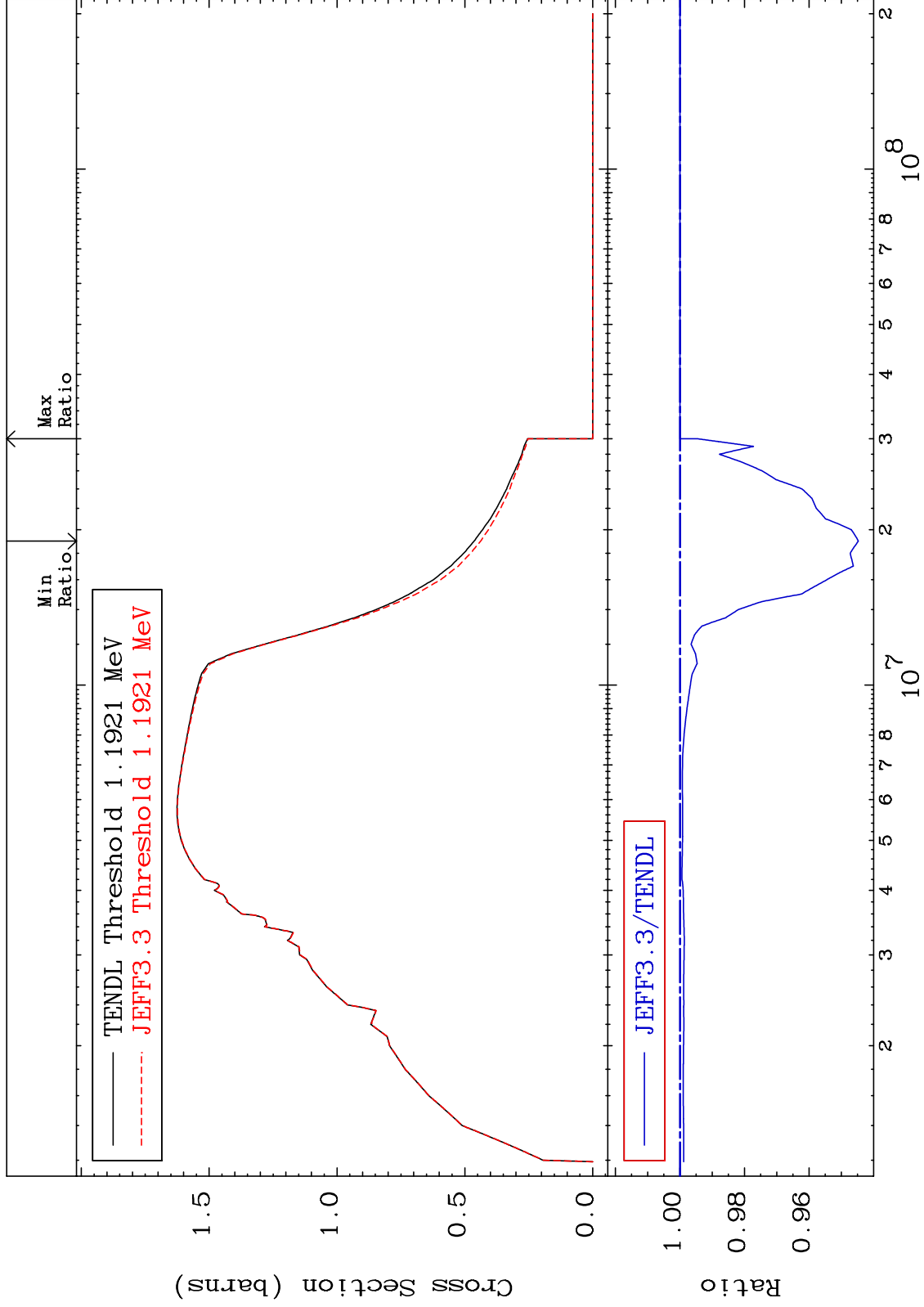
MAT 2837

Inelastic

28-Ni-62

Cross Section

-5.527 To 0.000 %



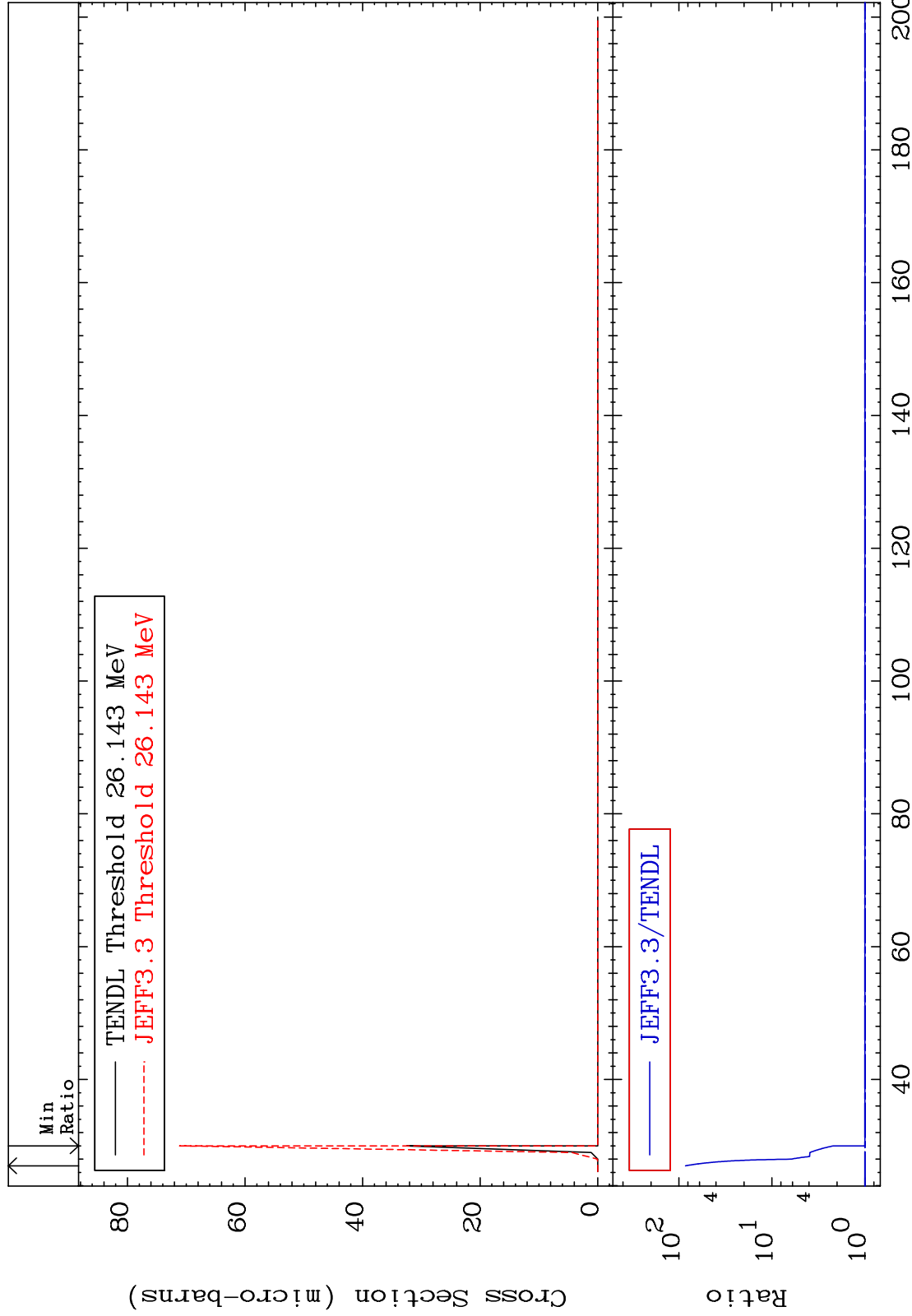
MAT 2837

(n,2n) d

28-Ni-62

Cross Section

0.000 To 8399. %



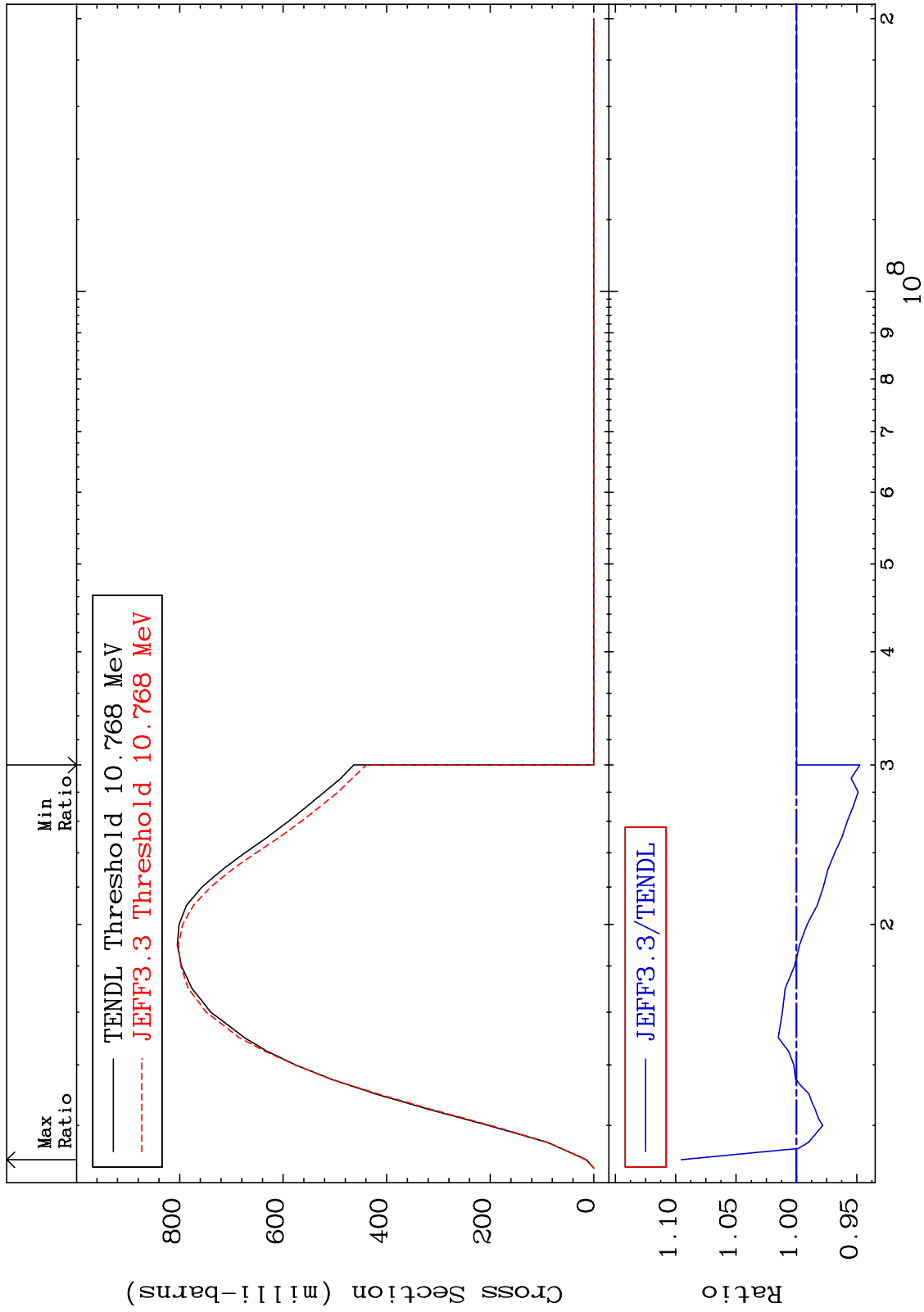
MAT 2837

(n,2n)

28-Ni-62

Cross Section

-5.255 To 9.545 %



28-Ni-62

5

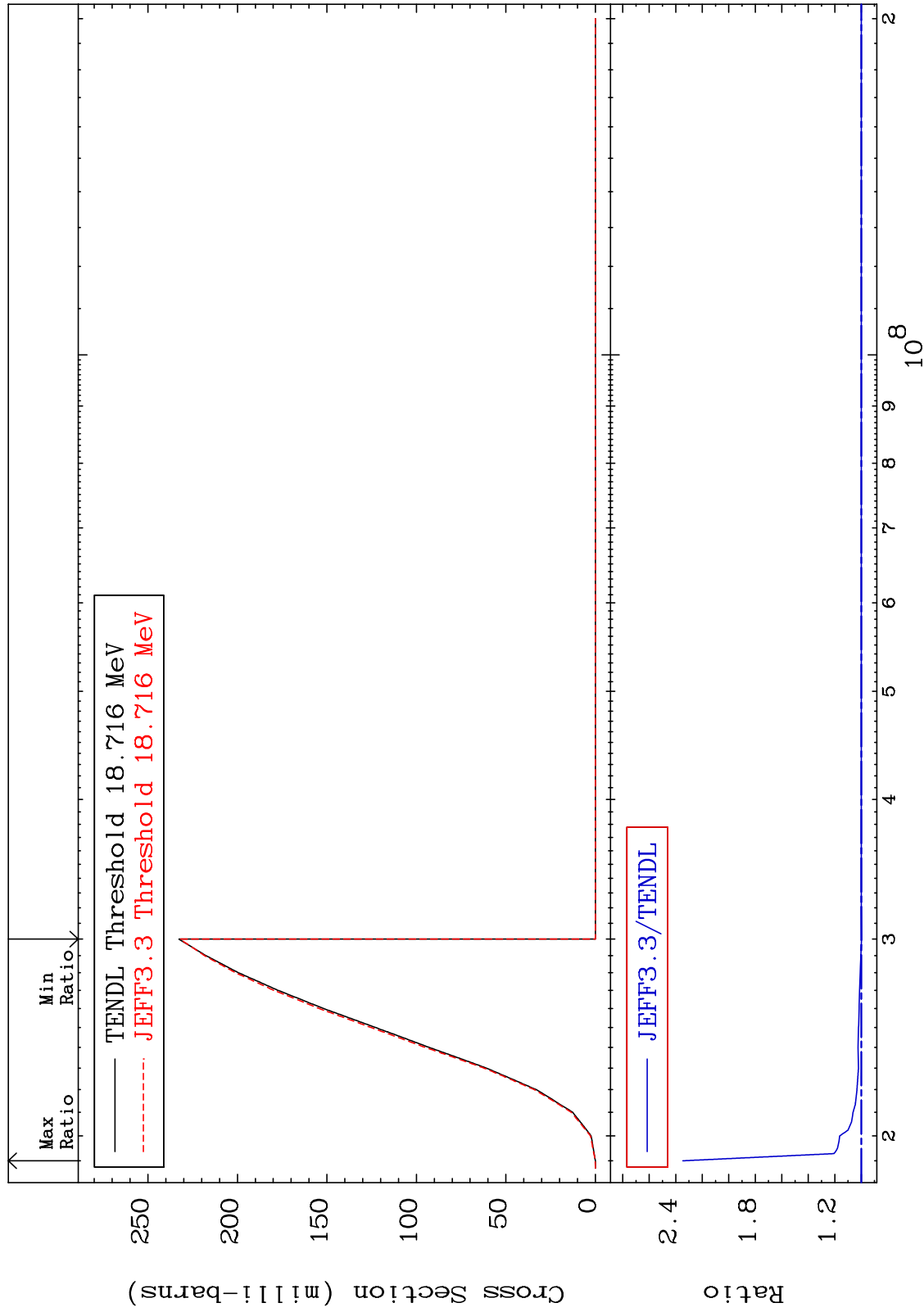
MAT 2837

(n,3n)

28-Ni-62

Cross Section

-0.234 To 134.6 %

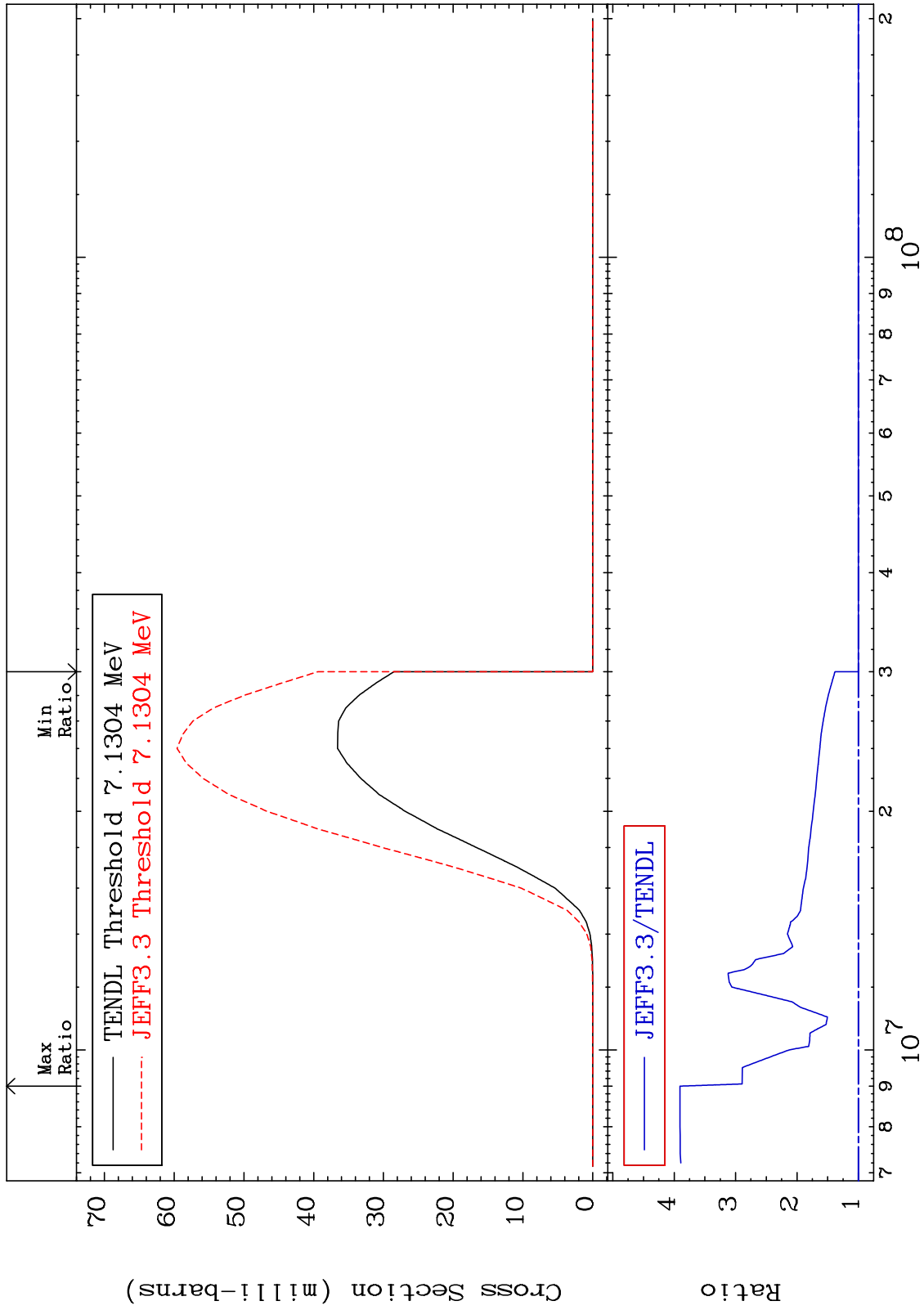


6

Incident Energy (eV)

28-Ni-62

MAT 2837 $(n, n') \alpha$ Cross Section 28-Ni-62 To 290.5 %



7 8 9 7 8 9 10 8 28-Ni-62

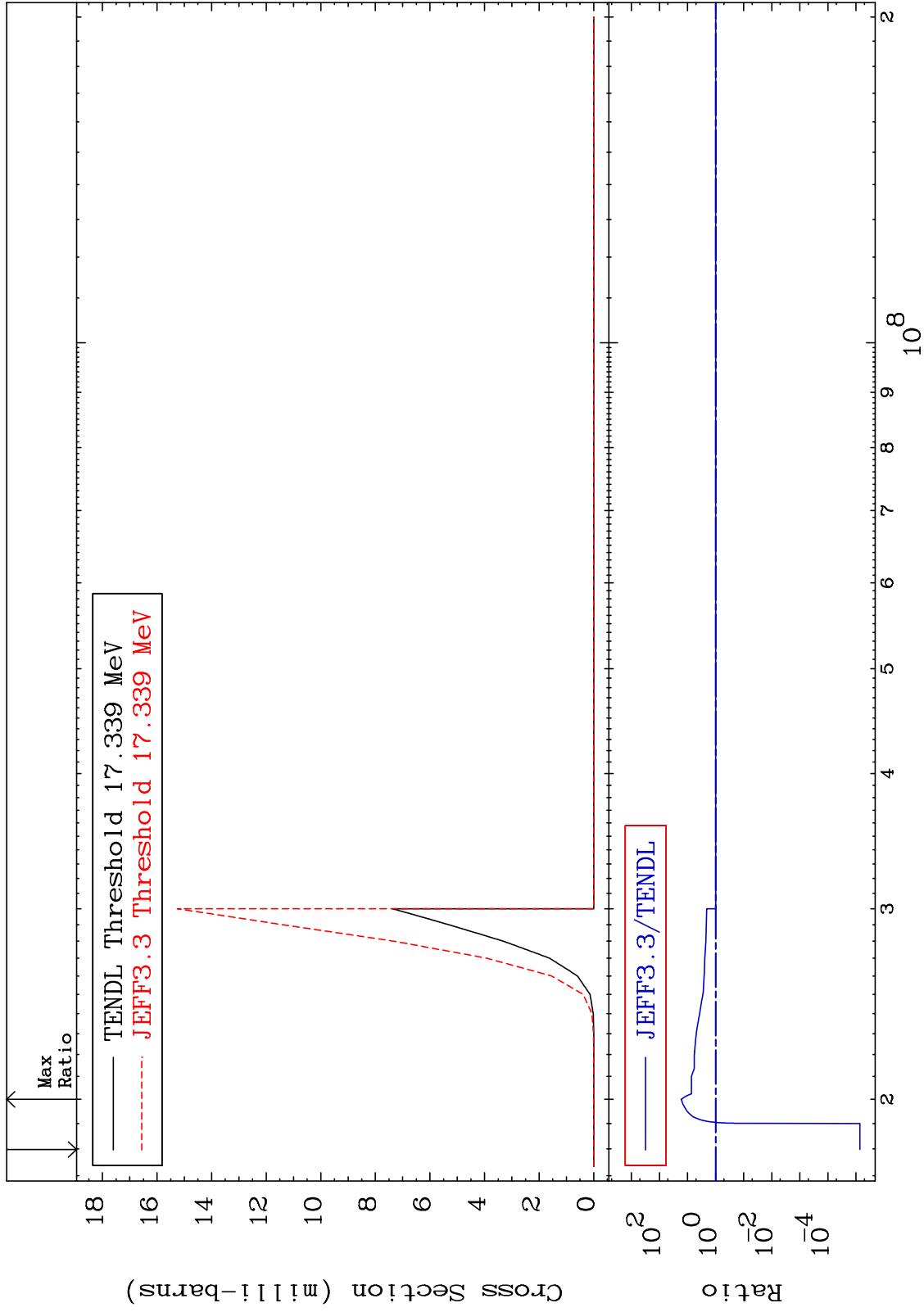
MAT 2837

(n,2n) α

28-Ni-62

Cross Section

-100.0 To 1576. %



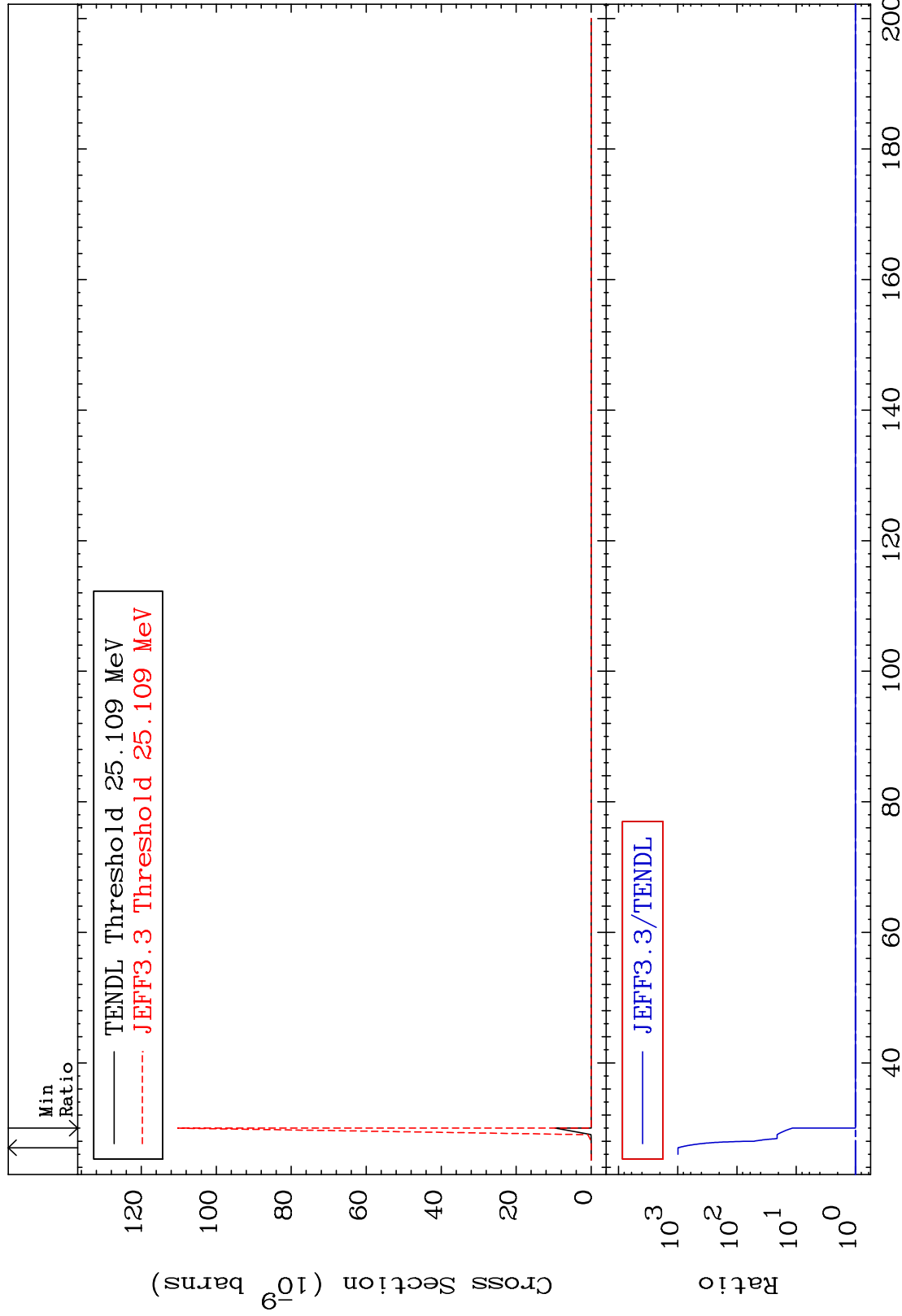
MAT 2837

(n,3n) α

28-Ni-62

Cross Section

0.000 To 9999. %



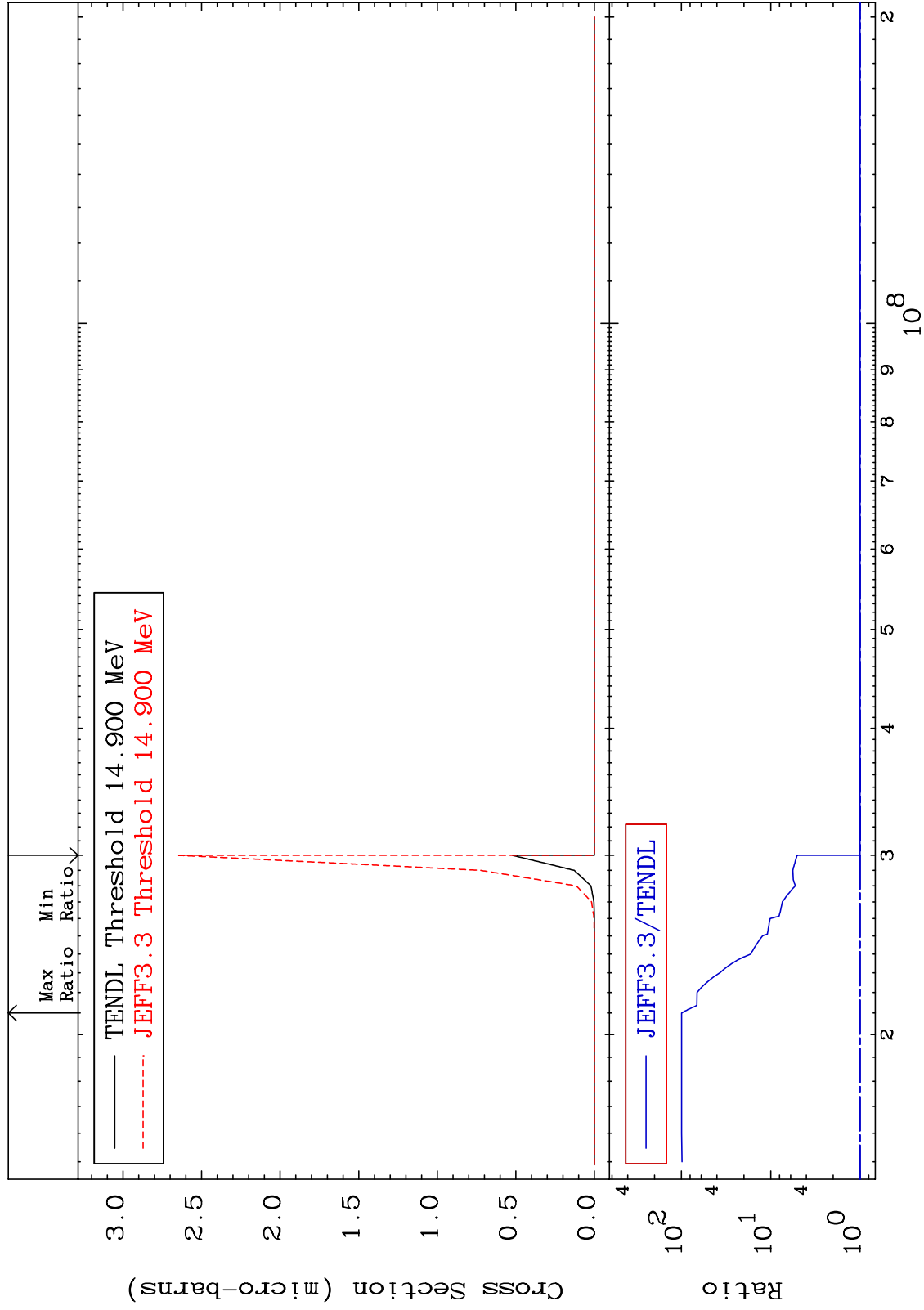
MAT 2837

(n,n') 2α

28-Ni-62

Cross Section

0.000 To 9854. %



28-Ni-62

Incident Energy (eV)

11

MAT 2837

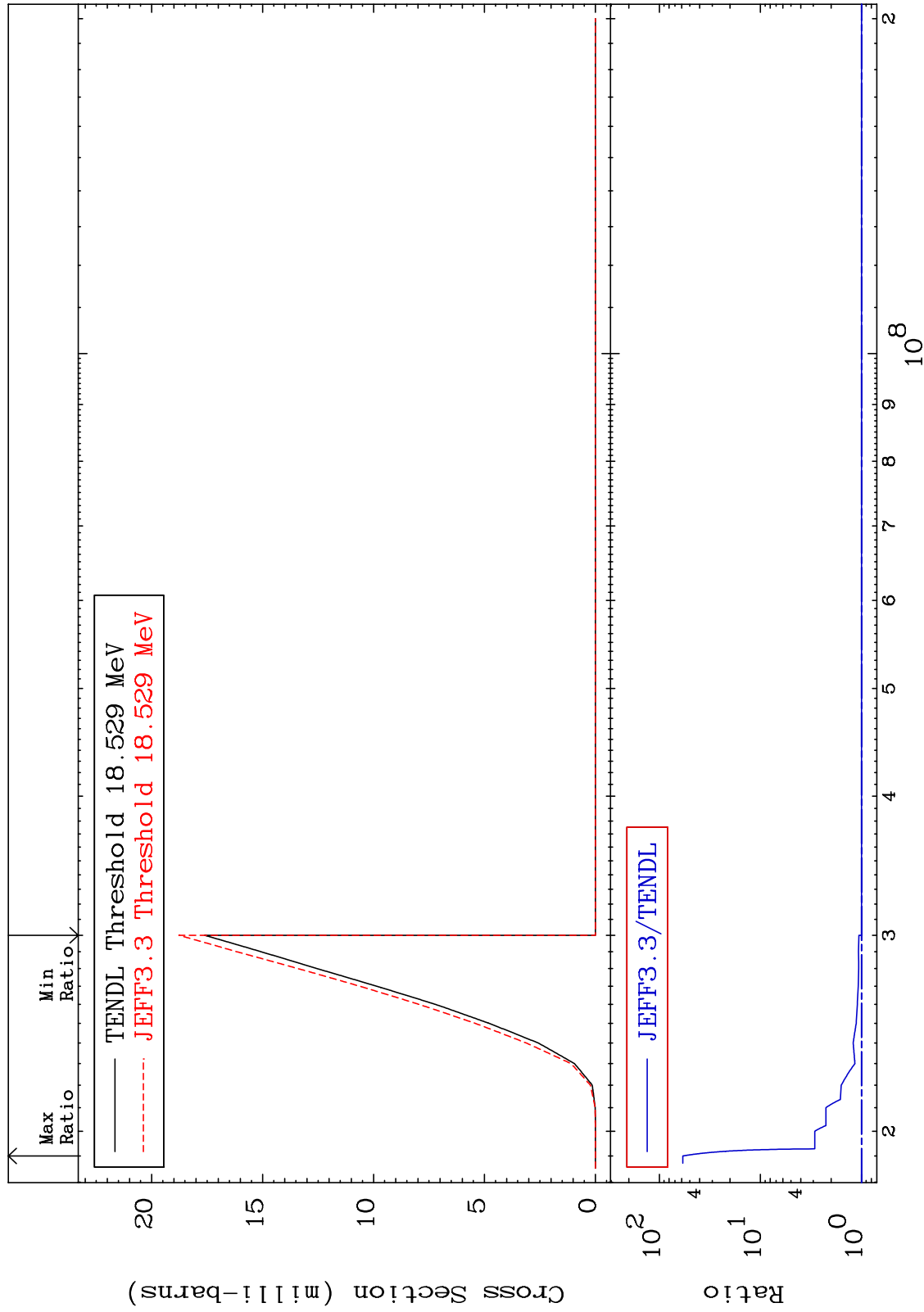
(n,n') d

28-Ni-62

Cross Section

0.000

To 5749. %



12

Incident Energy (eV)

28-Ni-62

MAT 2837

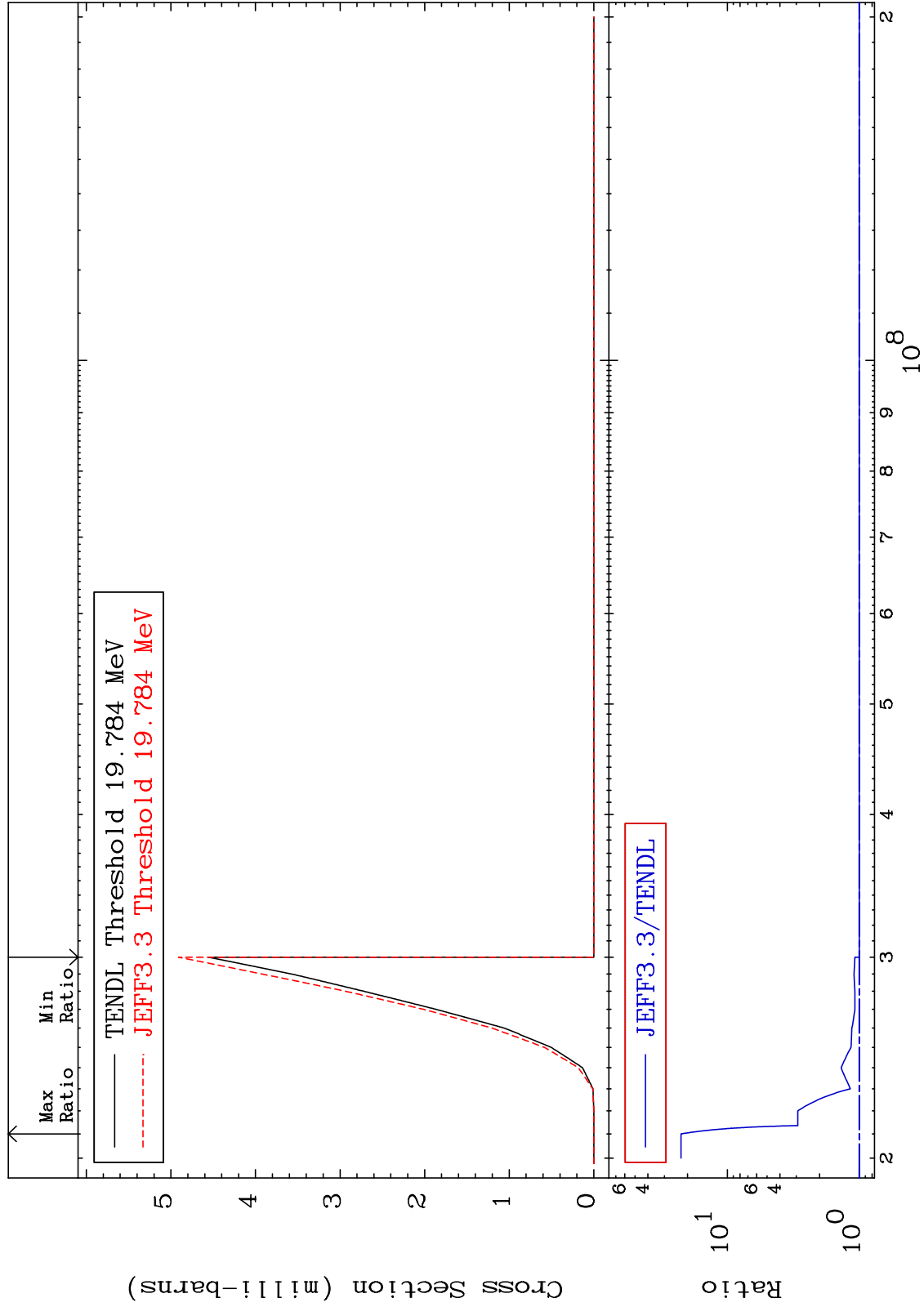
(n,n') t

28-Ni-62

Cross Section

0.000

To 2143. %



28-Ni-62

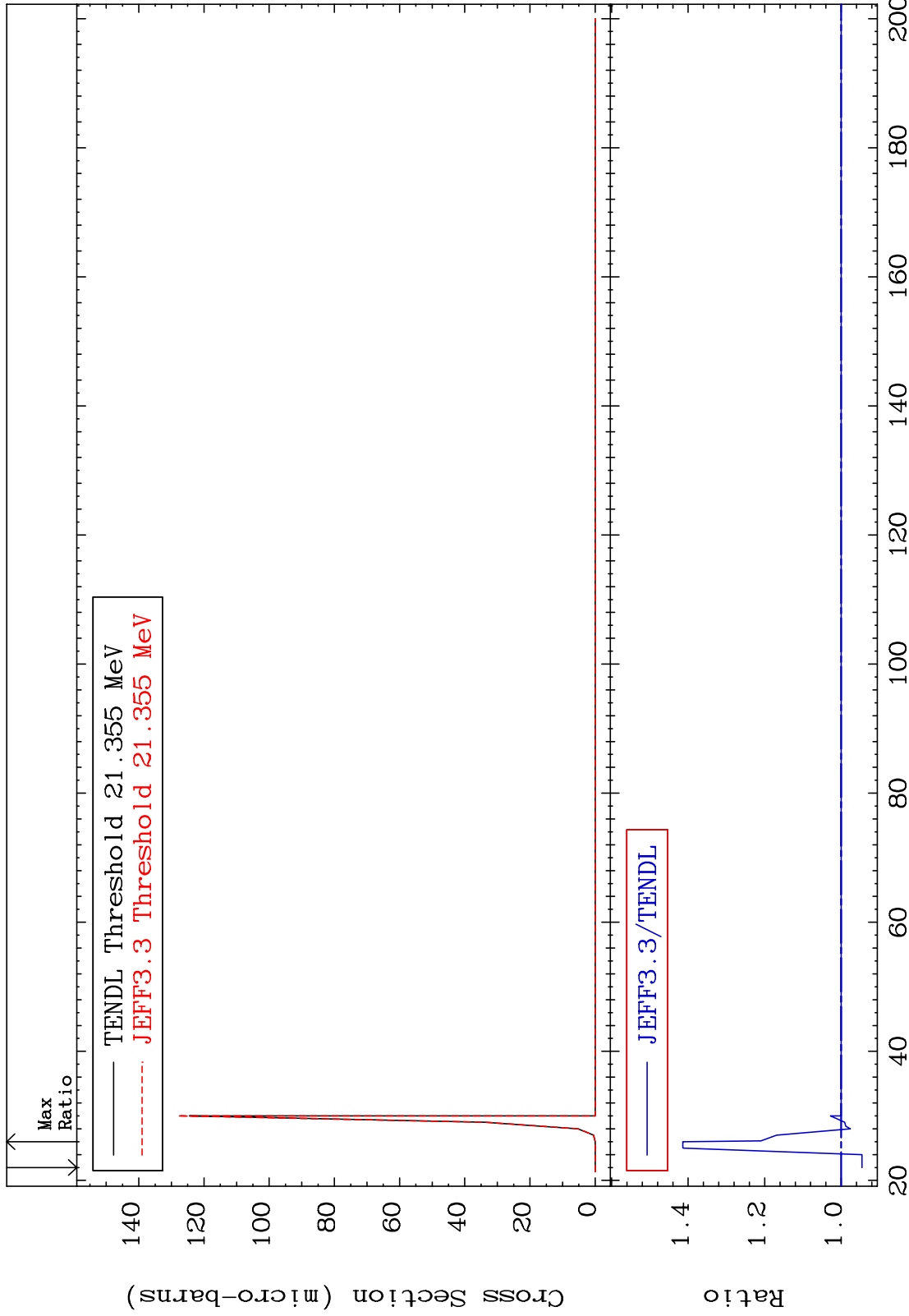
Incident Energy (eV)

13

MAT 2837

(n,n') He-3
Cross Section

28-Ni-62
-5.439 To 41.38 %

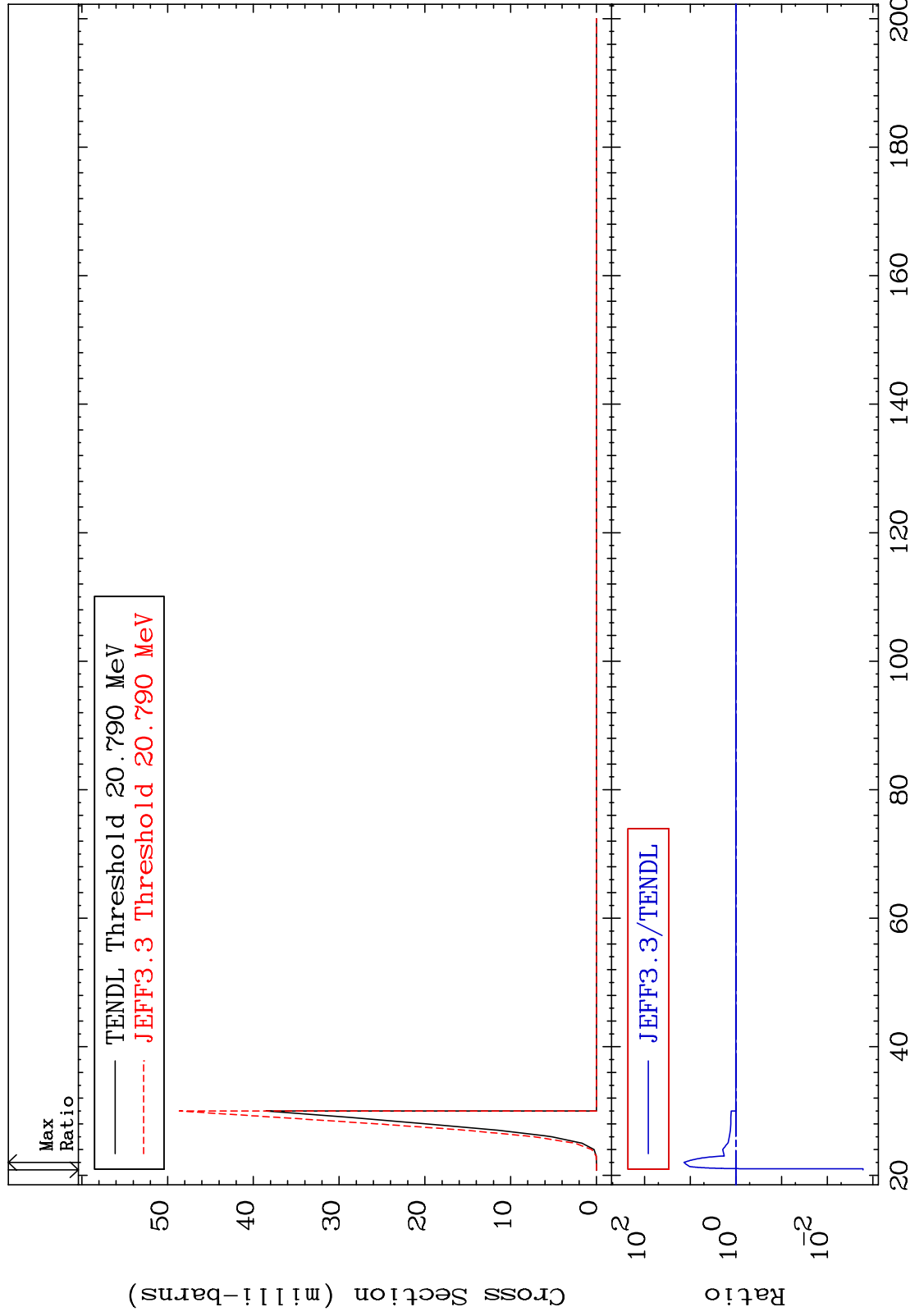


Incident Energy (MeV) 28-Ni-62

MAT 2837

(n,2n) p
Cross Section

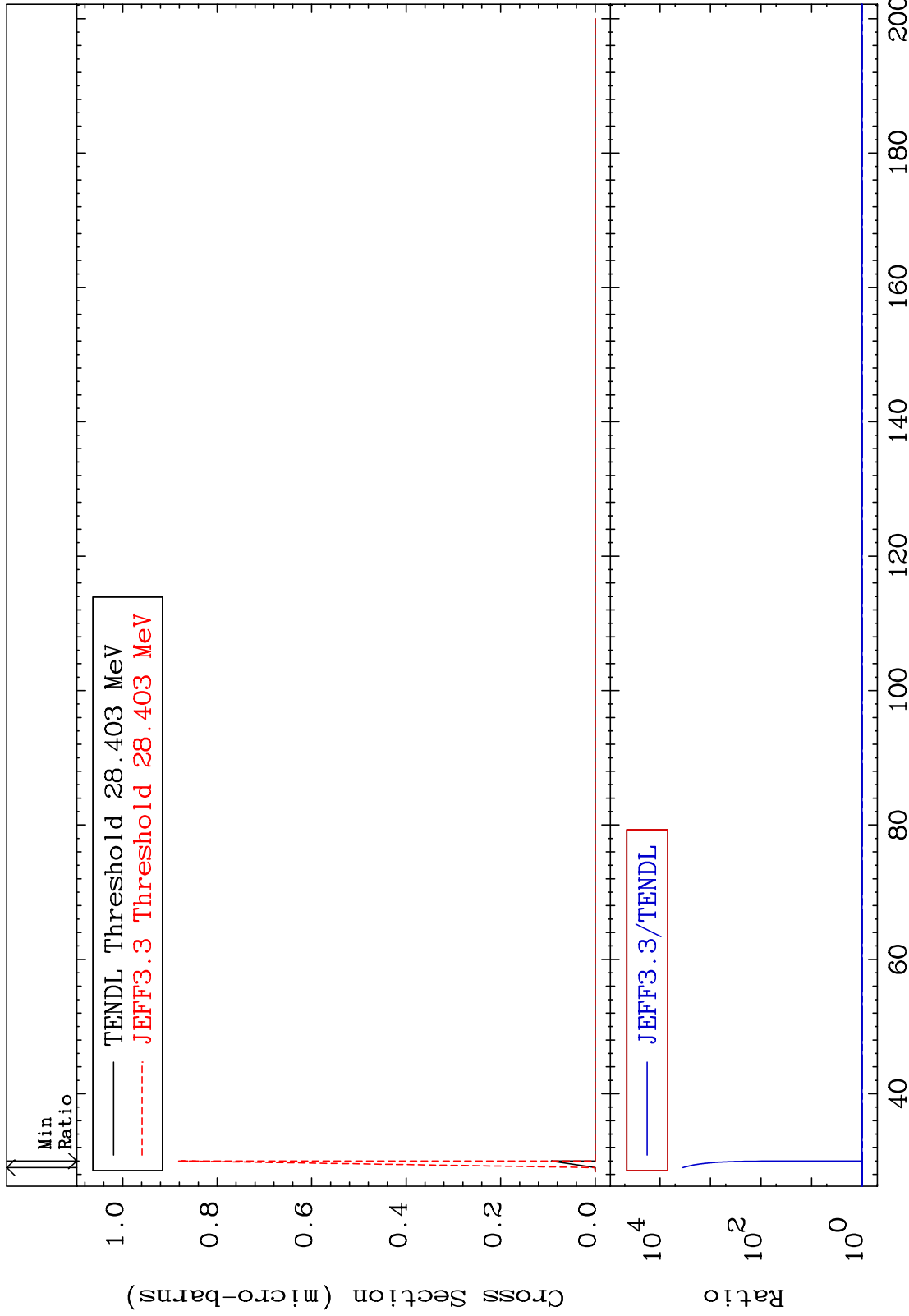
28-Ni-62
-99.84 To 1267. %



MAT 2837

(n,3n) p
Cross Section

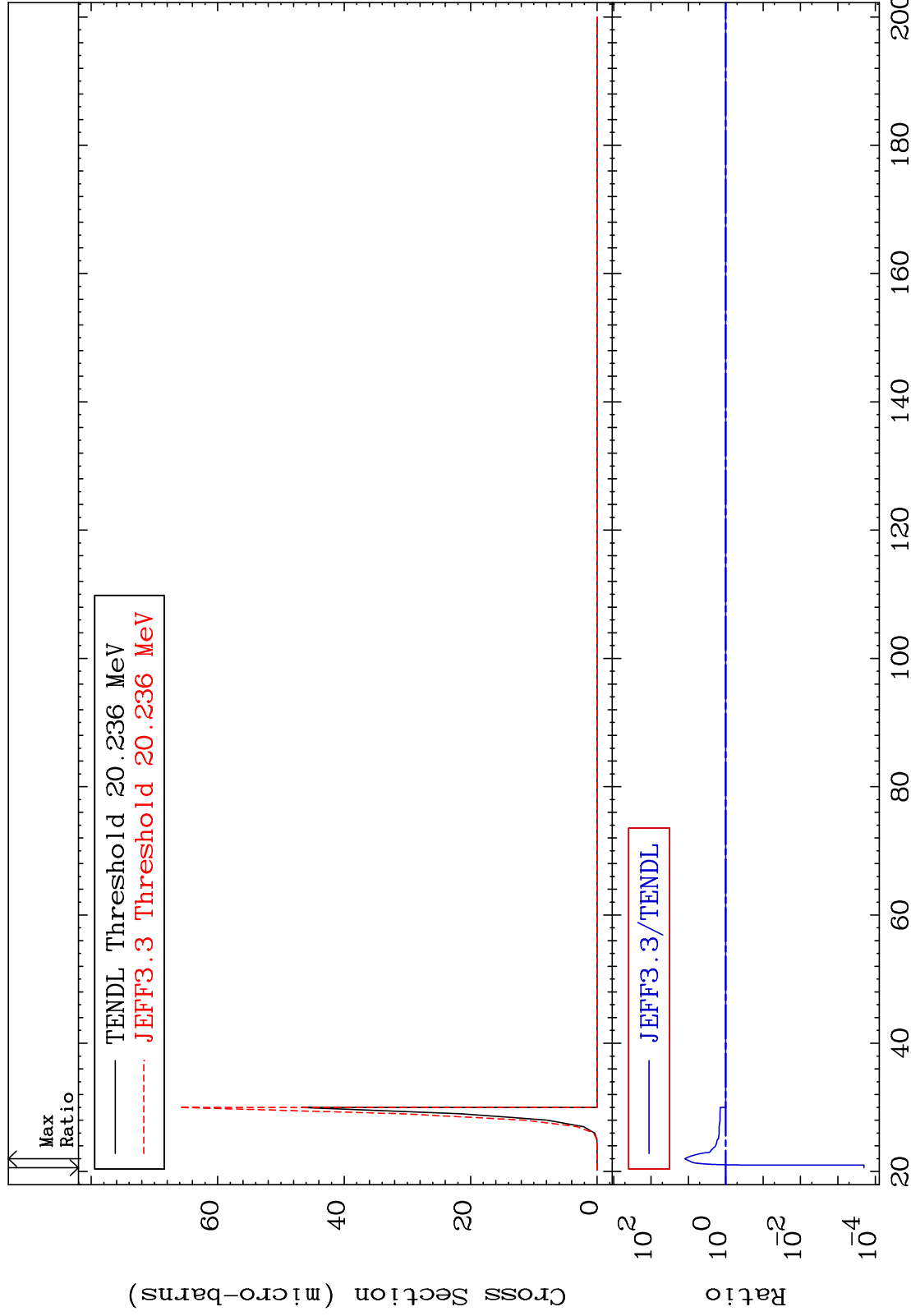
28-Ni-62
0.000 To 9999. %



MAT 2837

(n,2n) p
Cross Section

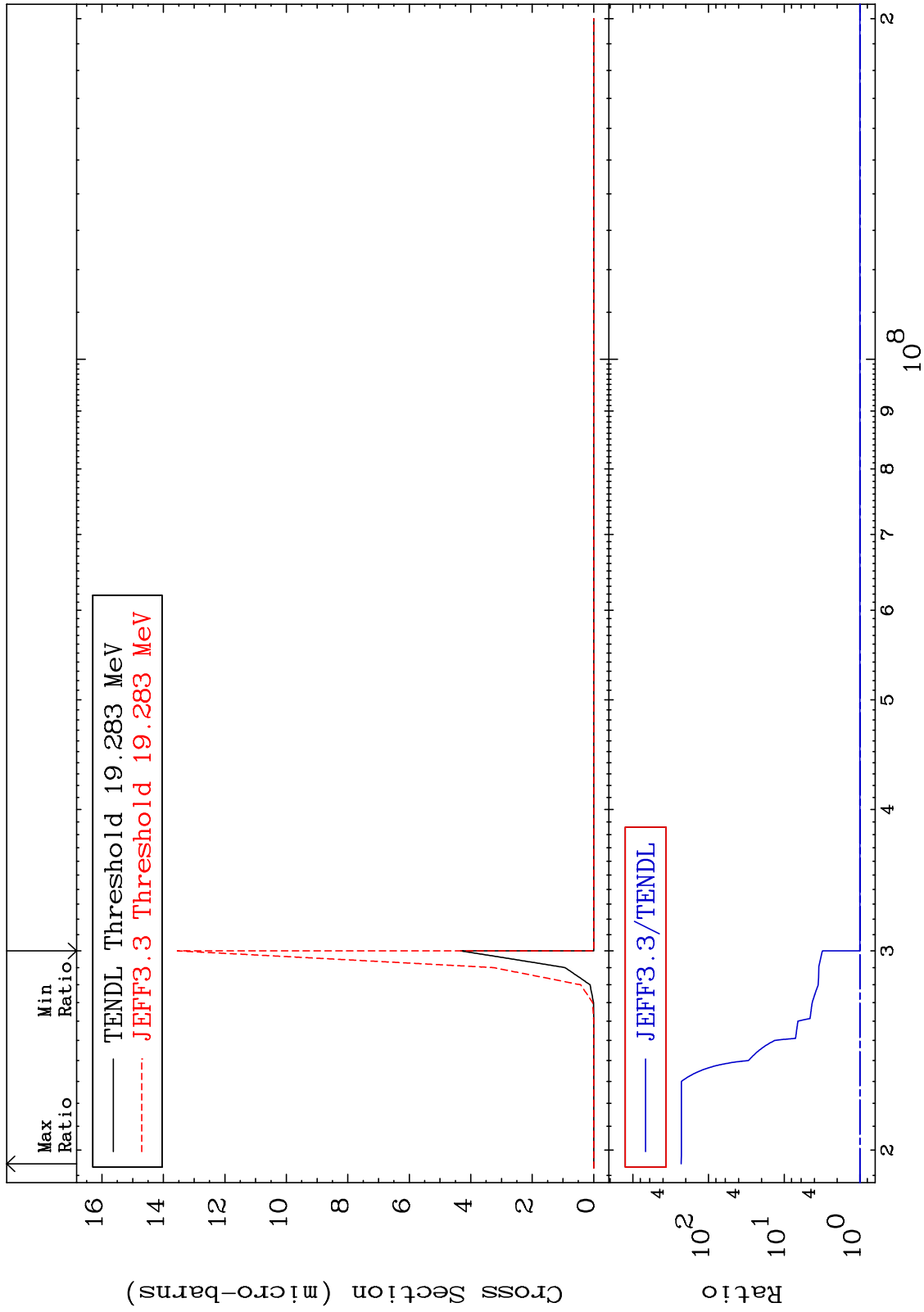
28-Ni-62
-99.98 To 1149. %



MAT 2837

(n,n') p α
Cross Section

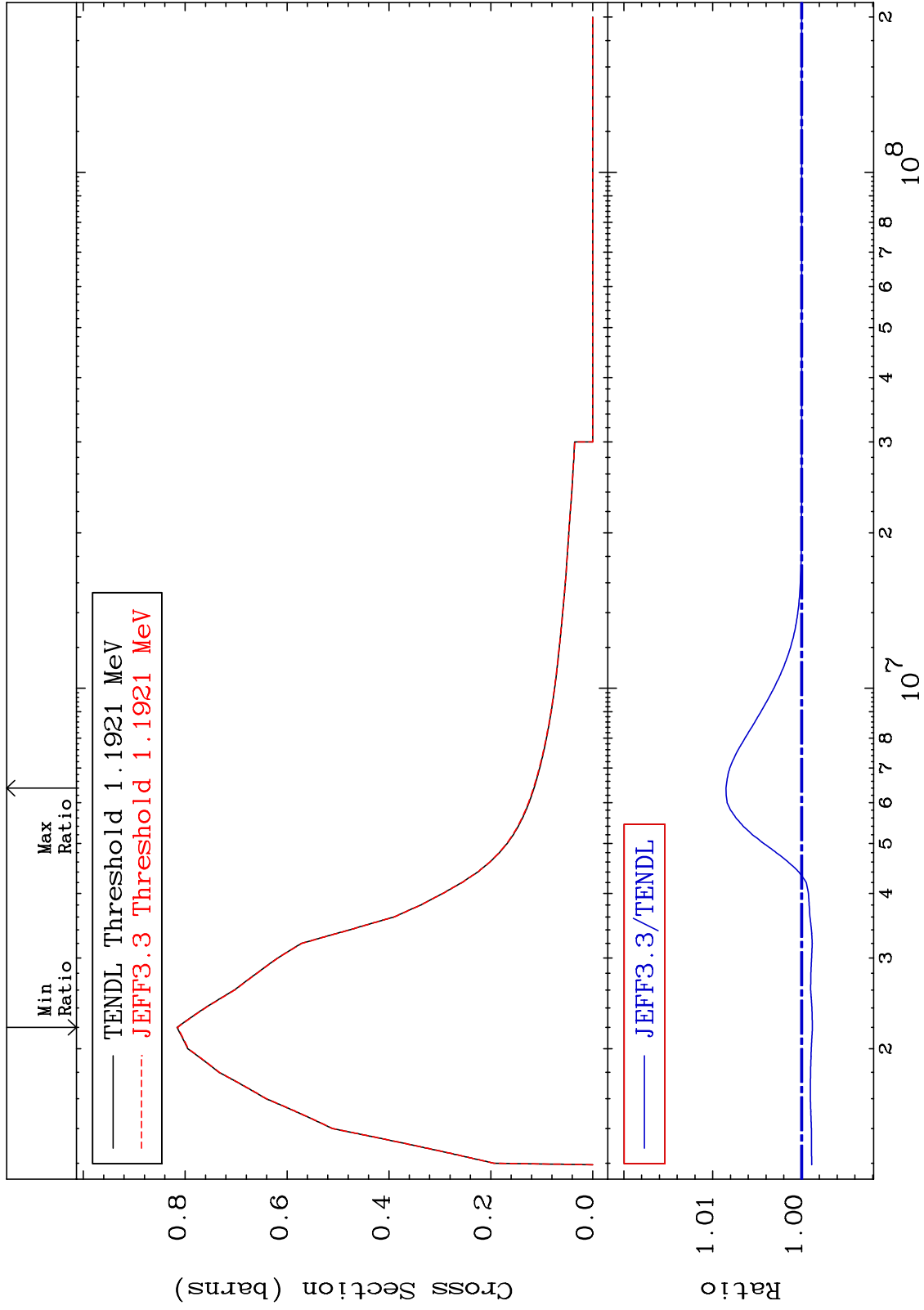
28-Ni-62
0.000 To 9999. %



MAT 2837

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

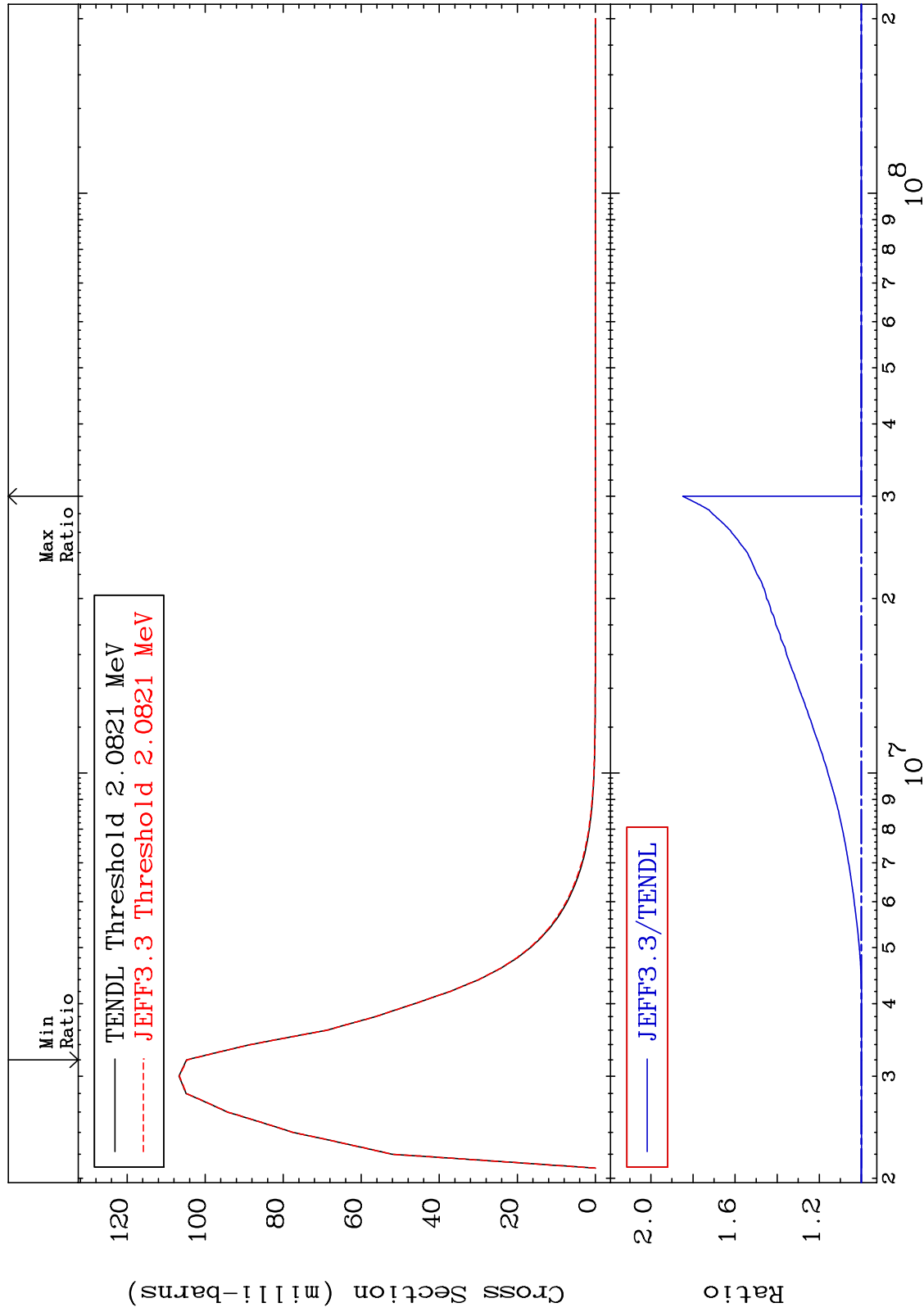
28-Ni-62
-0.122 To 0.850 %



MAT 2837

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

28-Ni-62
-0.105 To 84.81 %



20

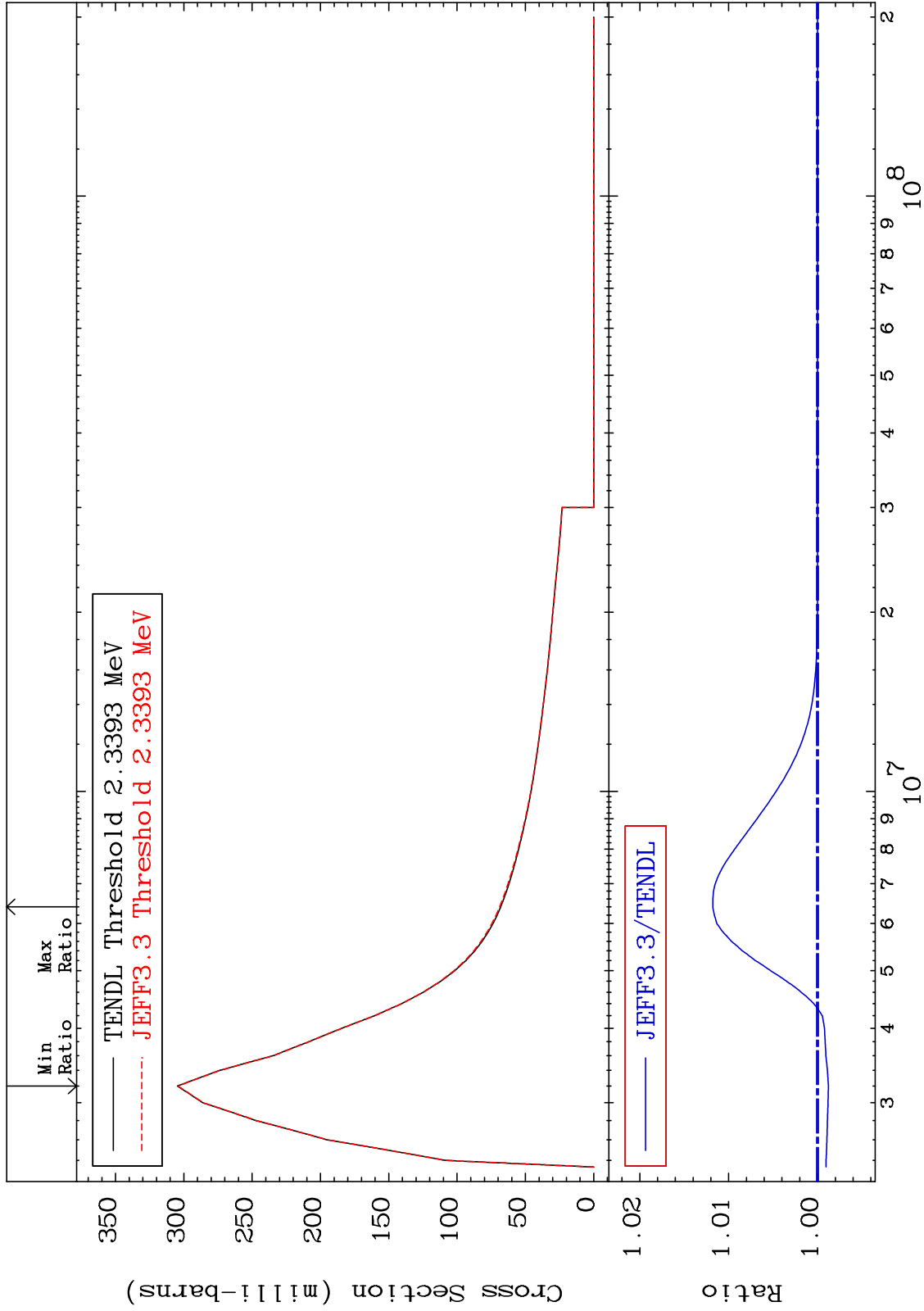
28-Ni-62

28-Ni-62

MAT 2837

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

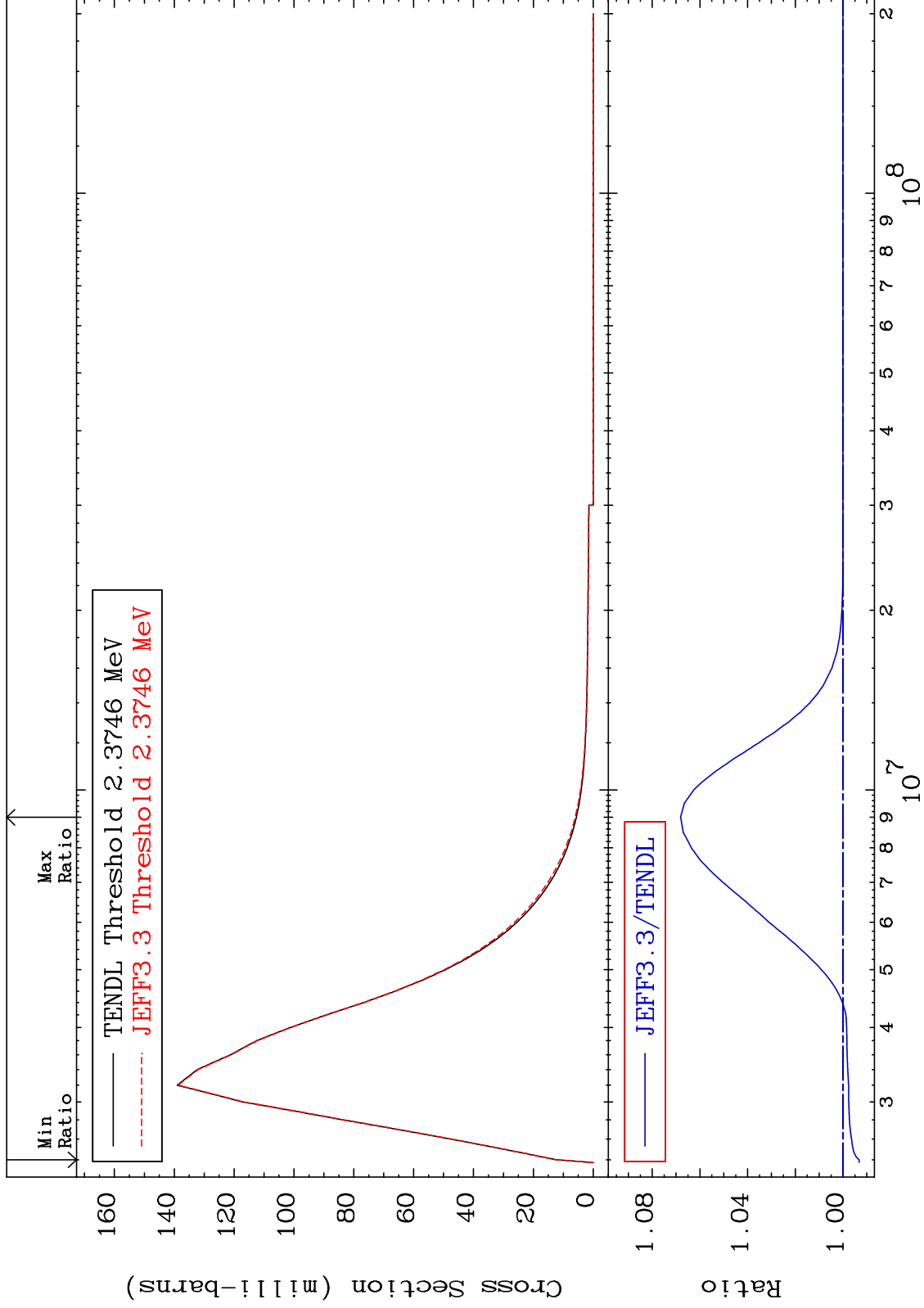
28-Ni-62
-0.122 To 1.179 %



MAT 2837

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

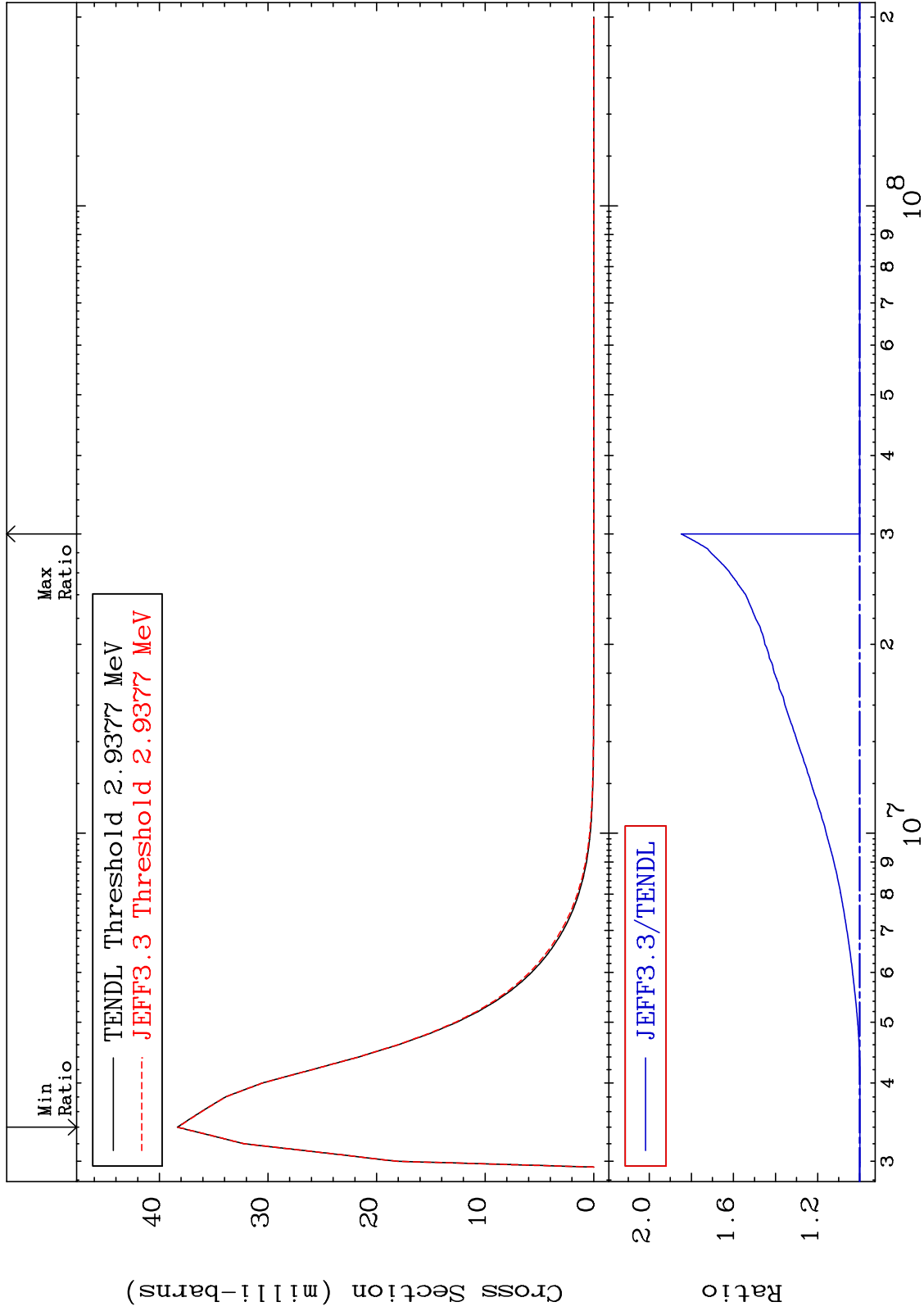
28-Ni-62
-0.678 To 6.809 %



MAT 2837

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

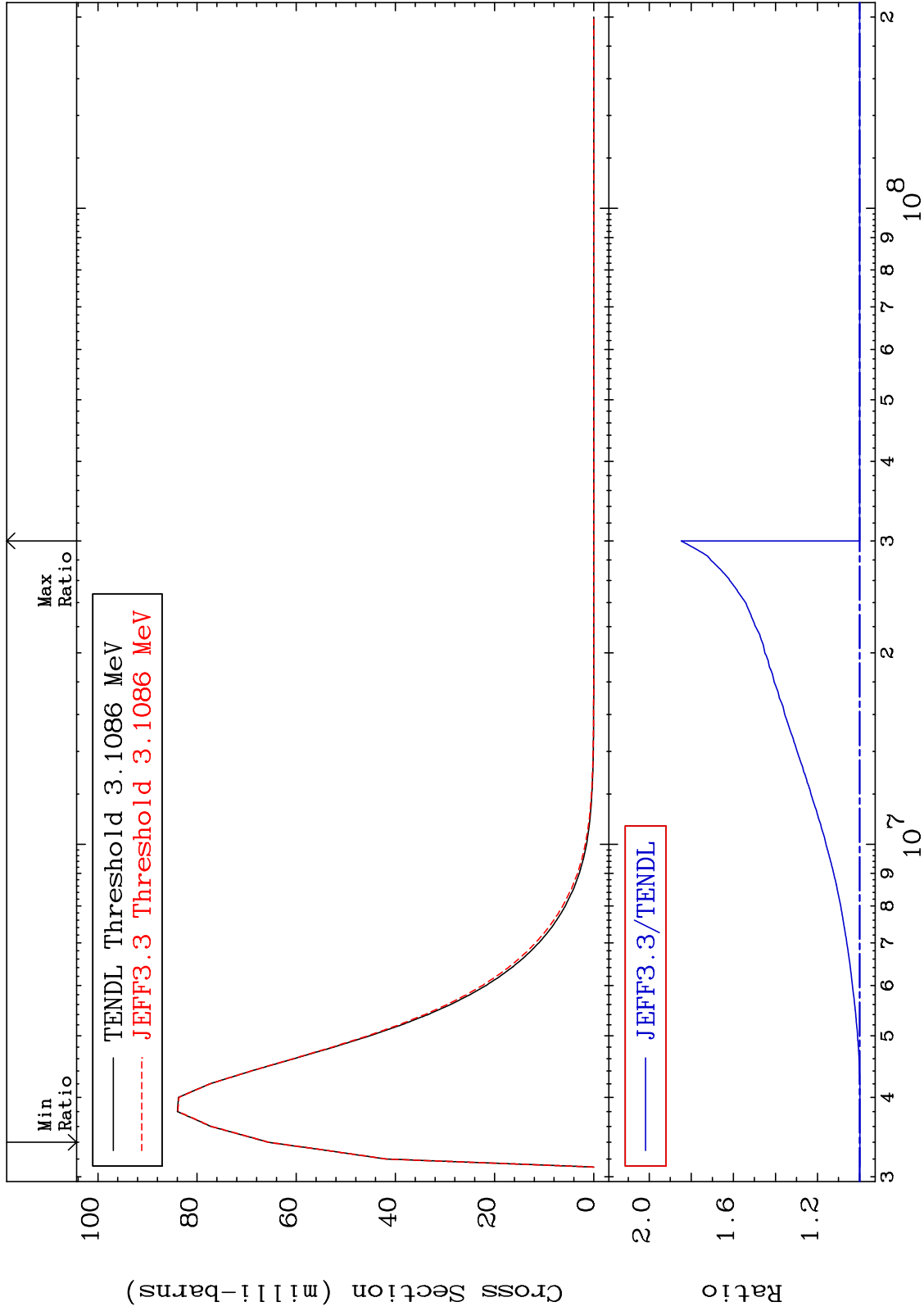
28-Ni-62
-0.098 To 84.82 %



MAT 2837

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

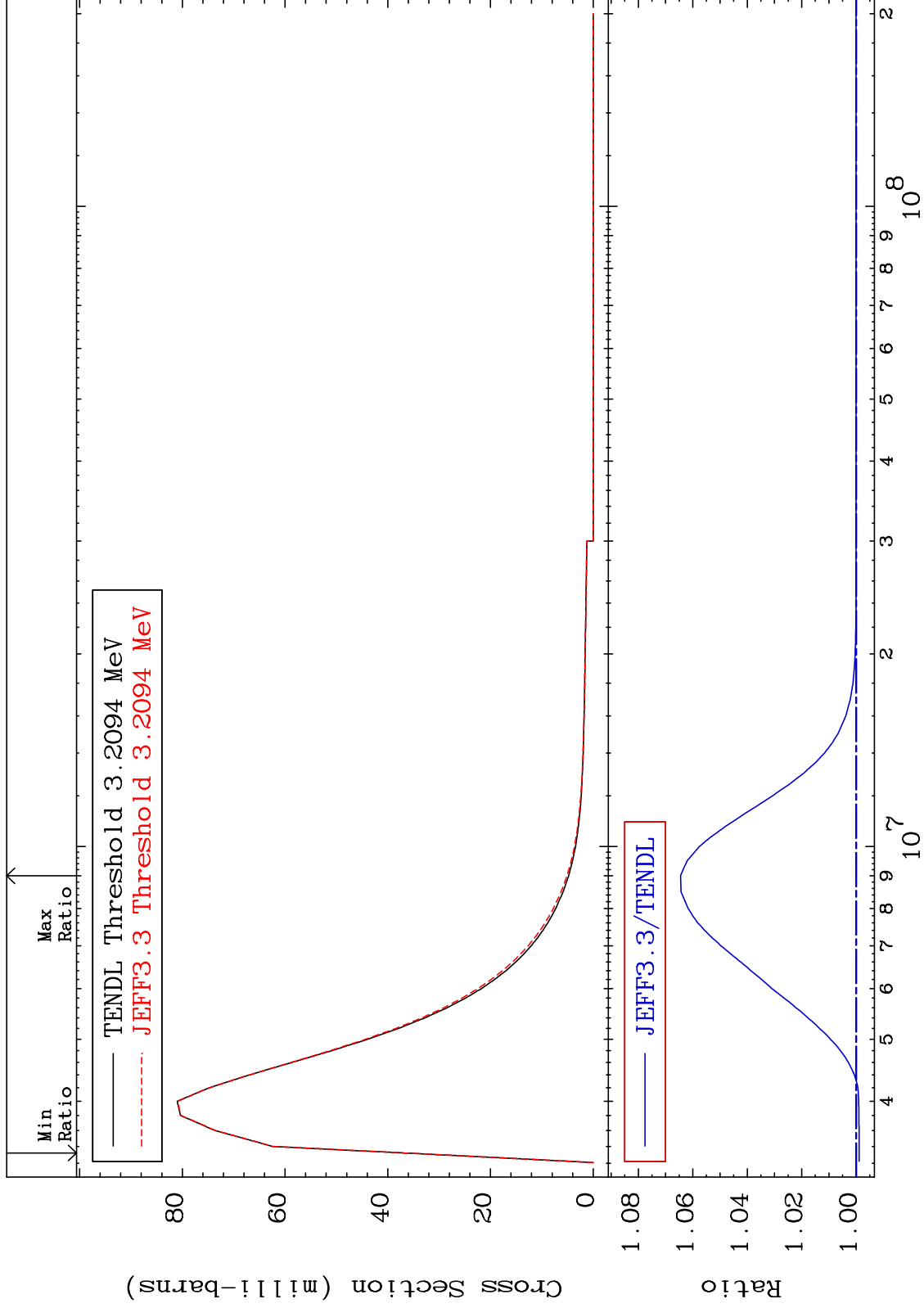
28-Ni-62
-0.155 To 84.79 %



MAT 2837

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

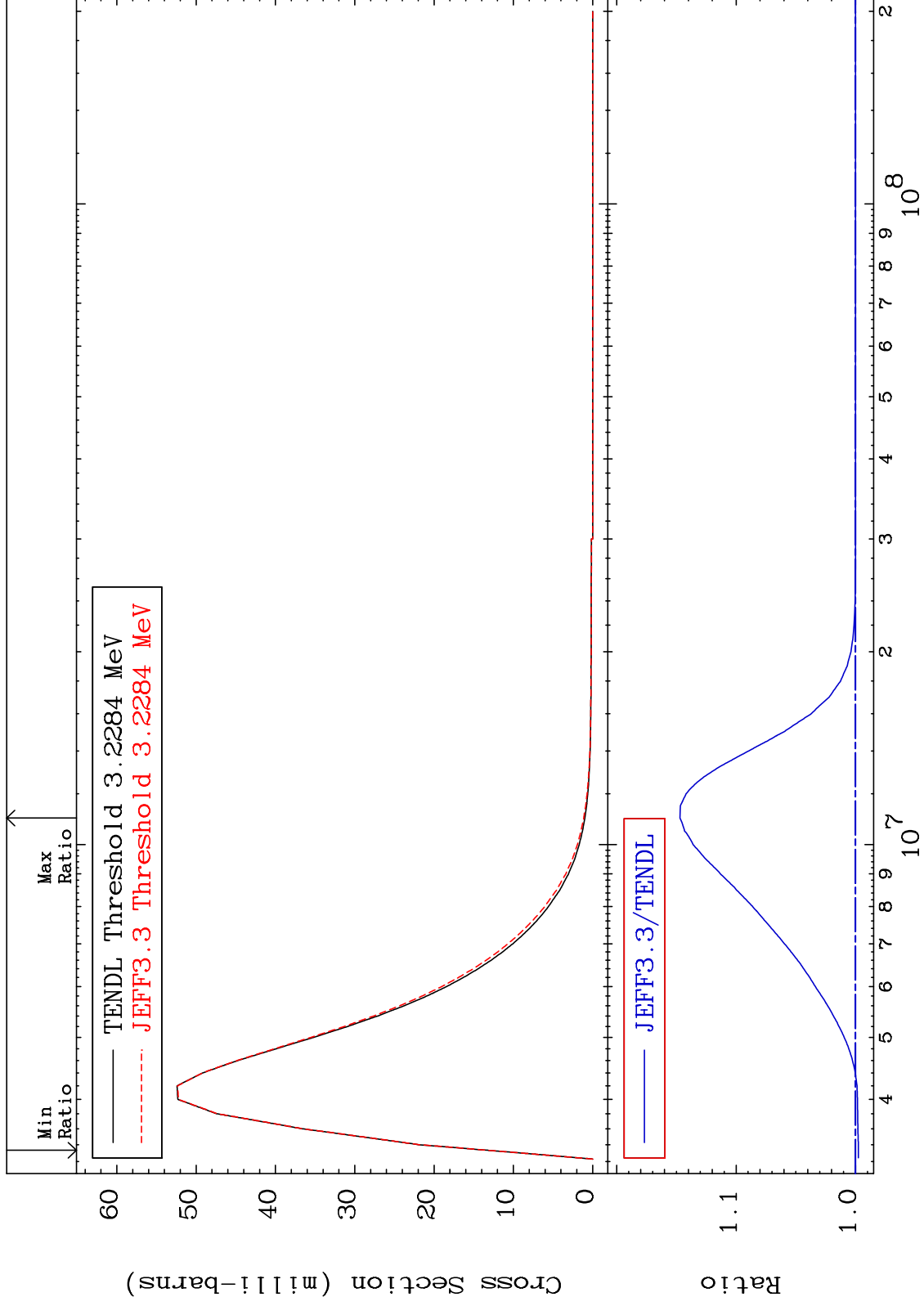
28-Ni-62
-0.112 To 6.448 %



MAT 2837

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

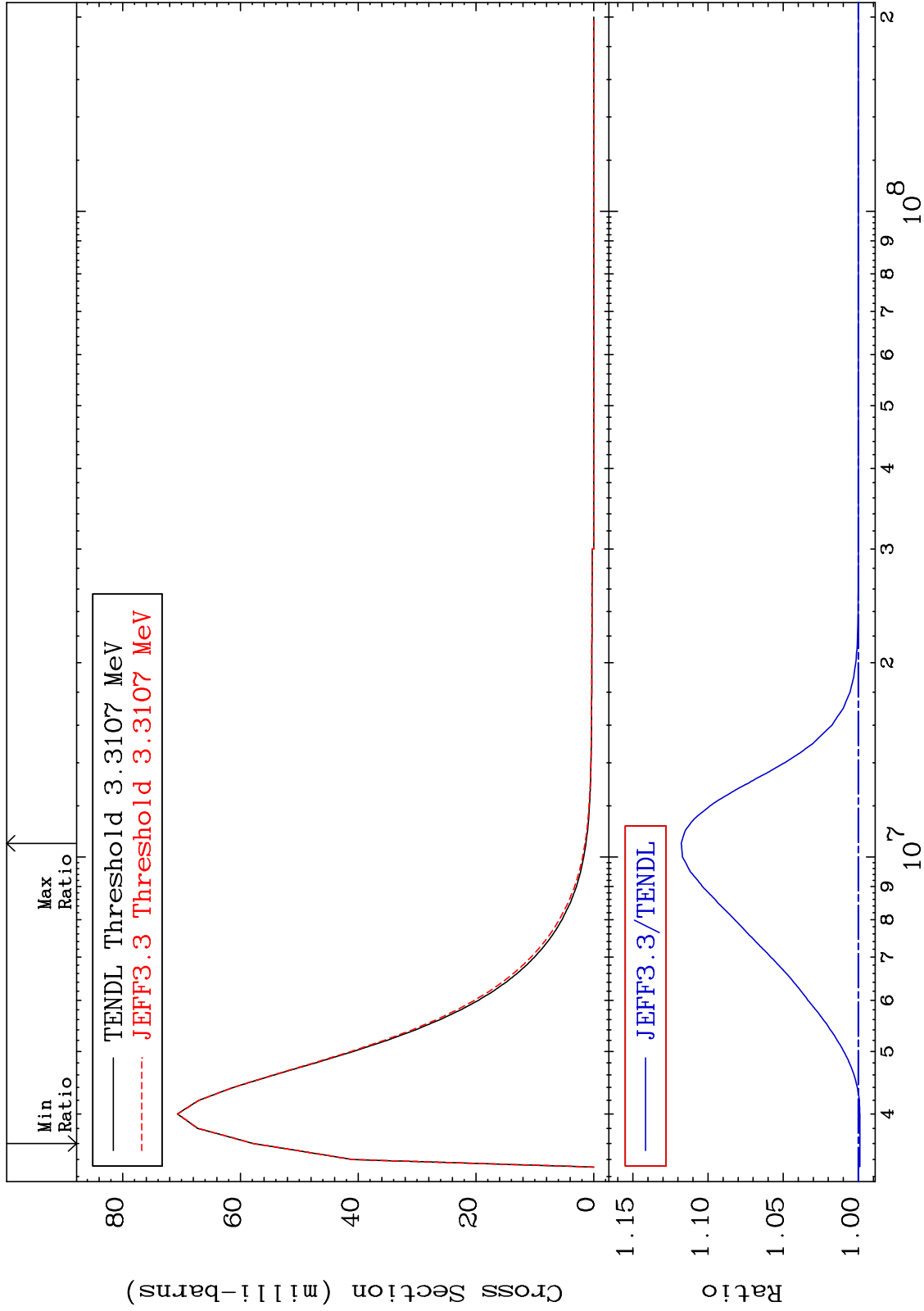
28-Ni-62
-0.243 To 14.70 %



MAT 2837

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

28-Ni-62
-0.104 To 11.78 %



27

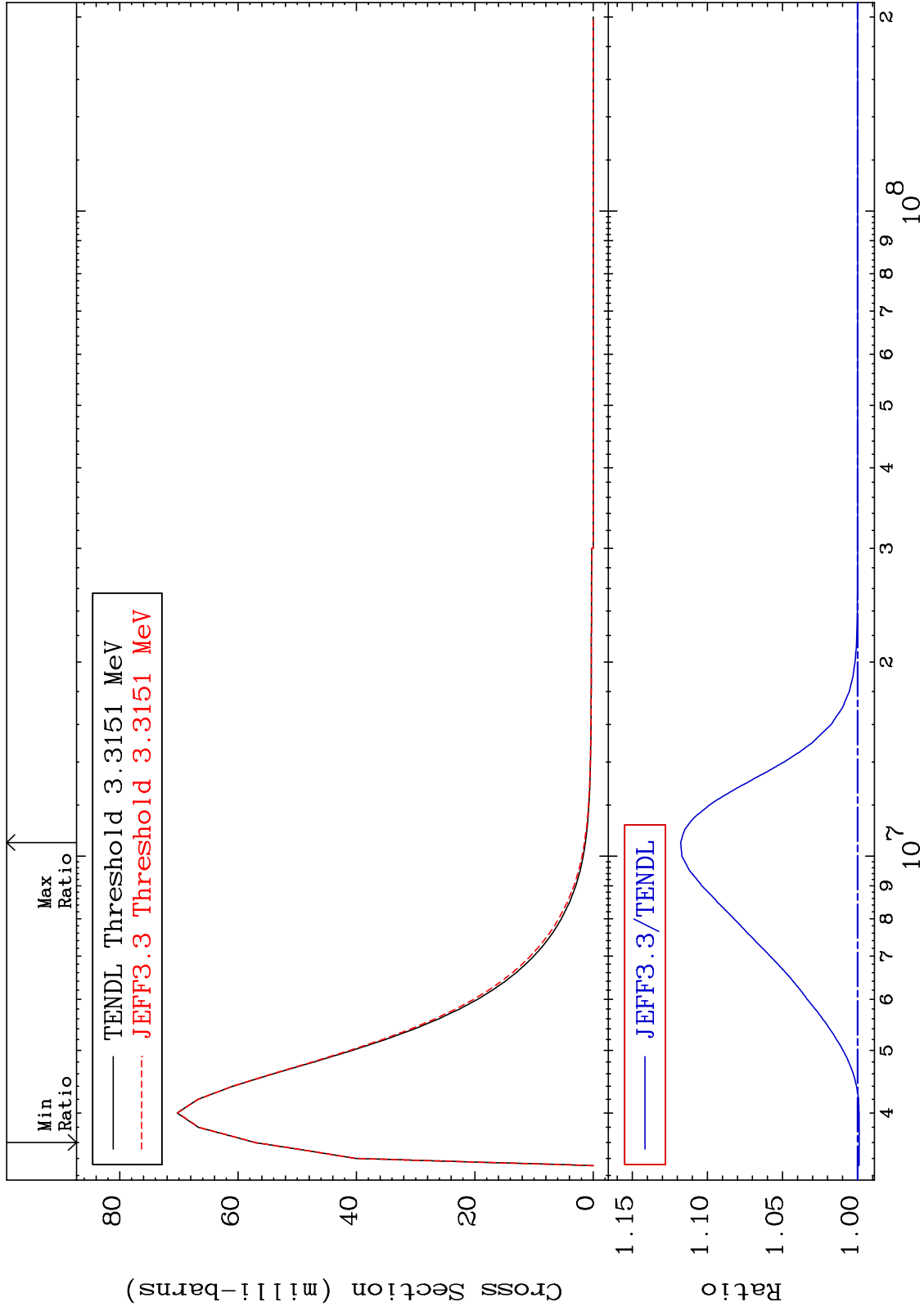
Incident Energy (eV)

28-Ni-62

MAT 2837

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

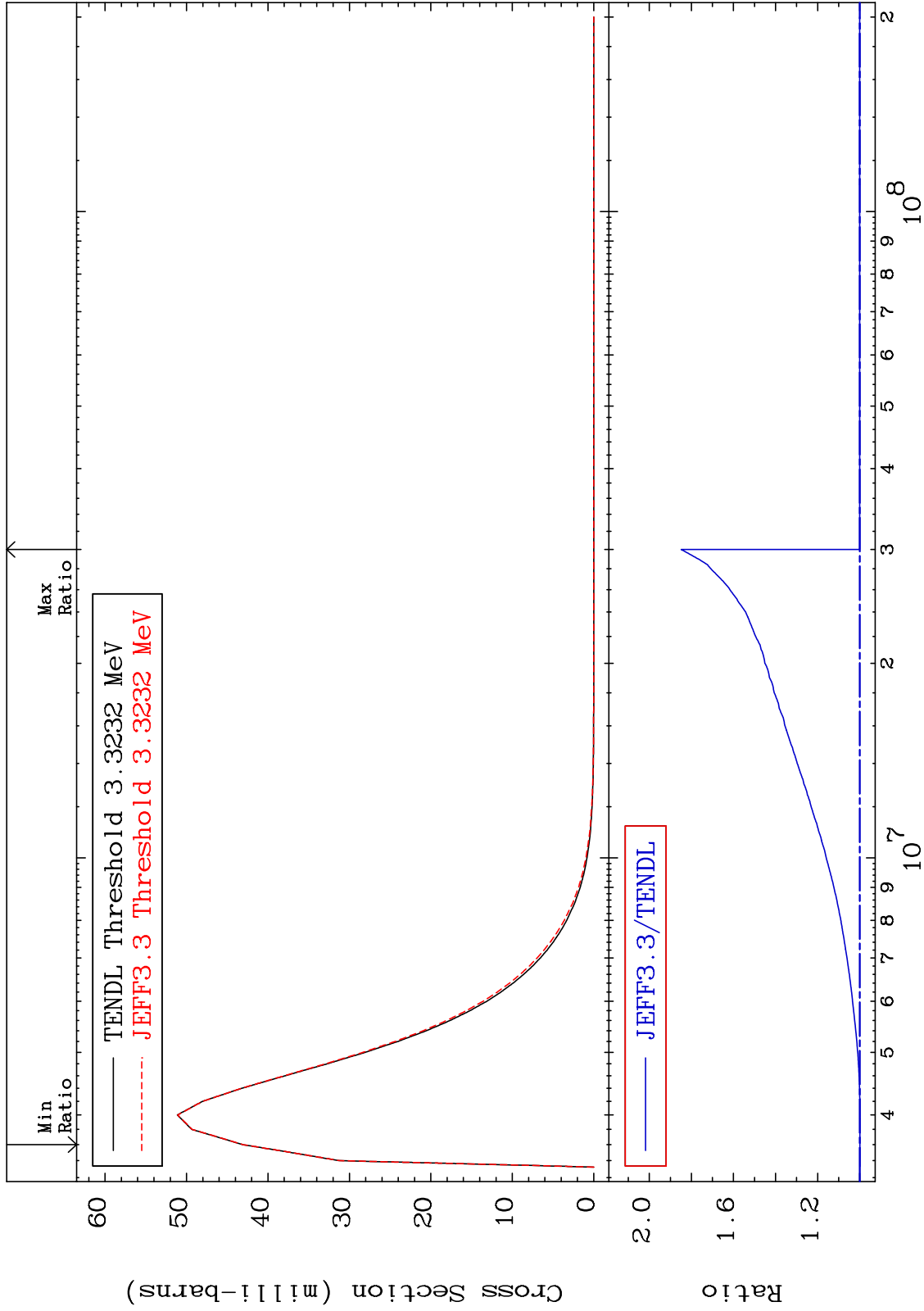
28-Ni-62
-0.104 To 11.78 %



MAT 2837

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

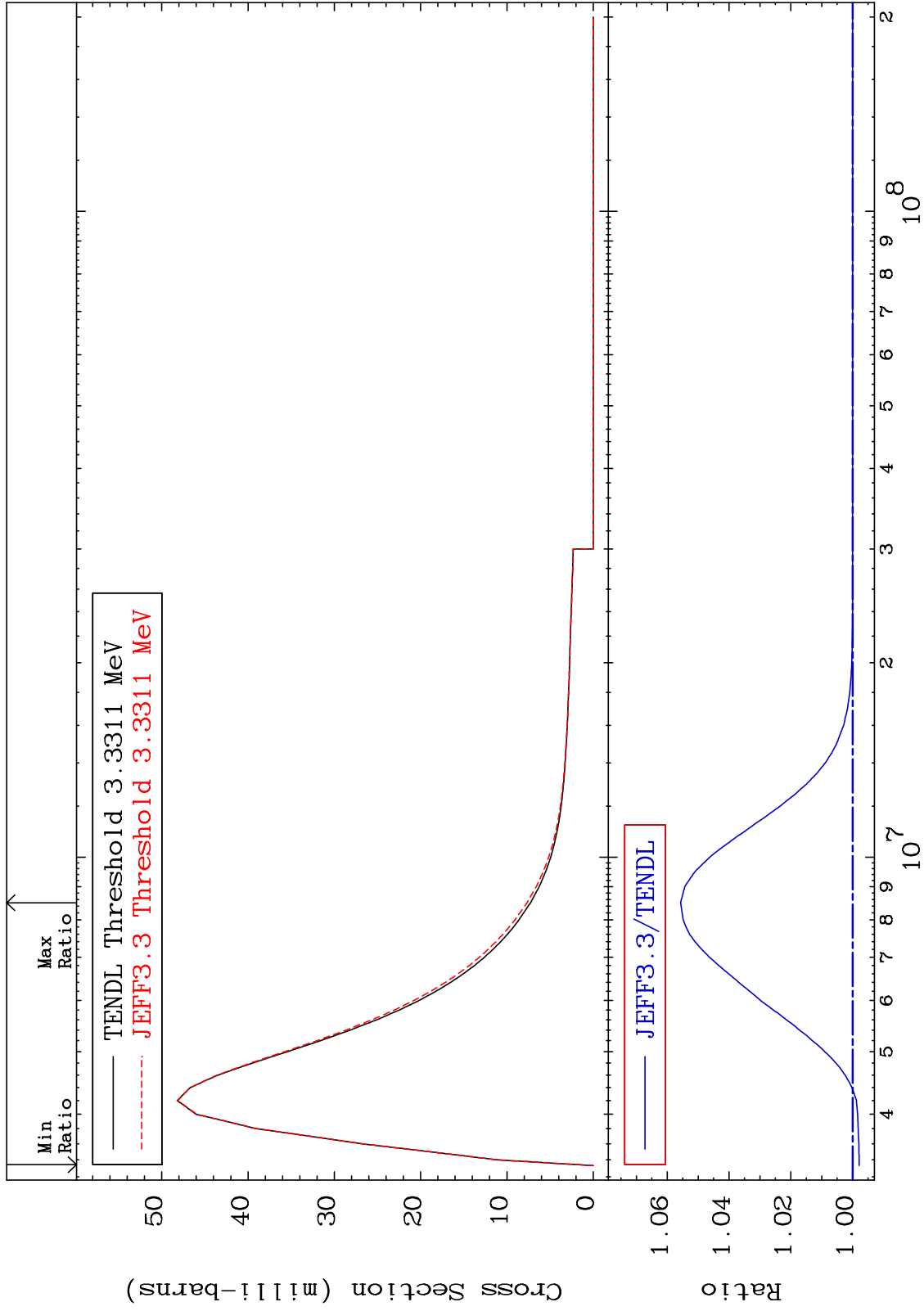
28-Ni-62
-0.084 To 84.83 %



MAT 2837

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

28-Ni-62
-0.212 To 5.568 %



30

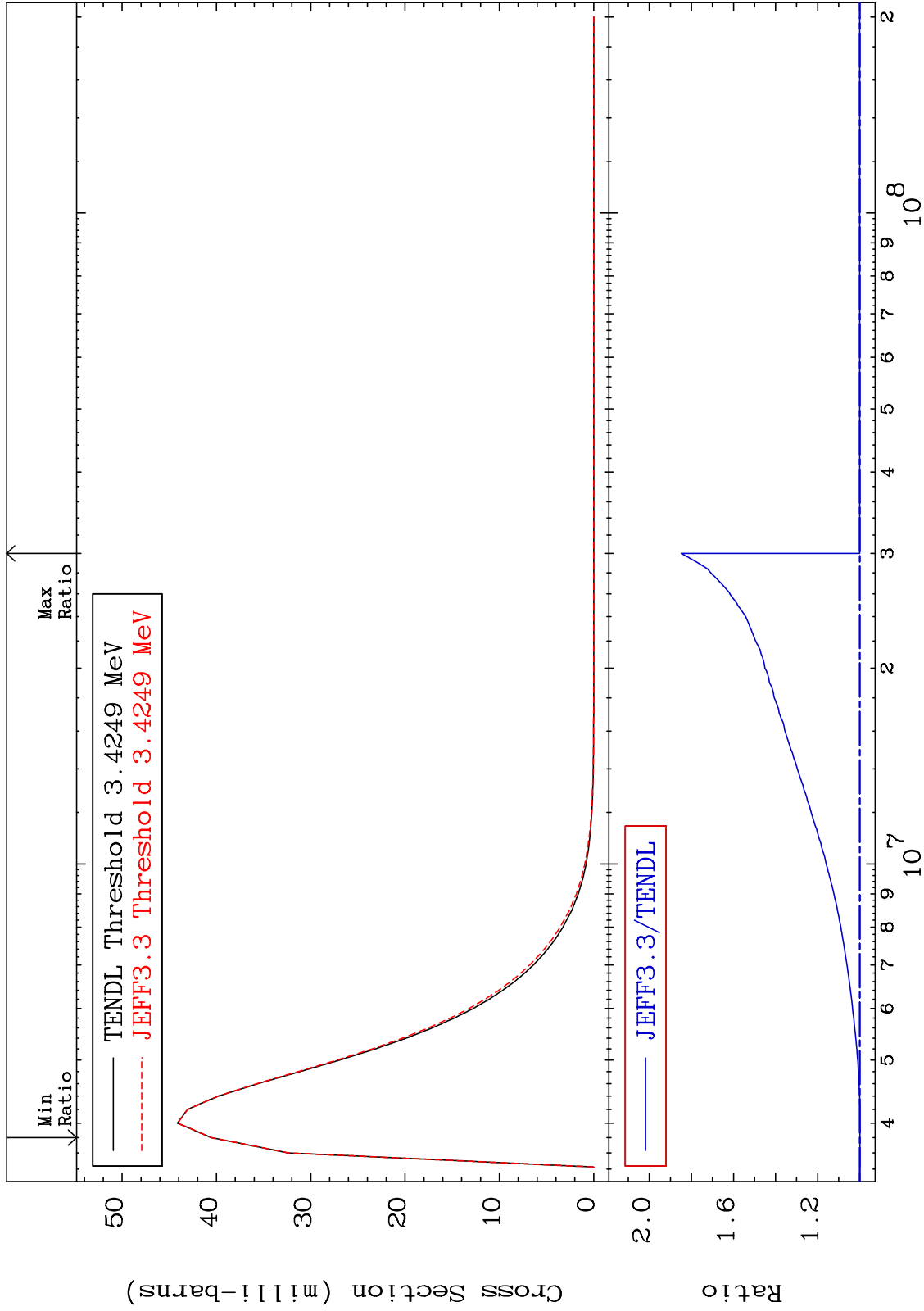
Incident Energy (eV)

28-Ni-62

MAT 2837

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

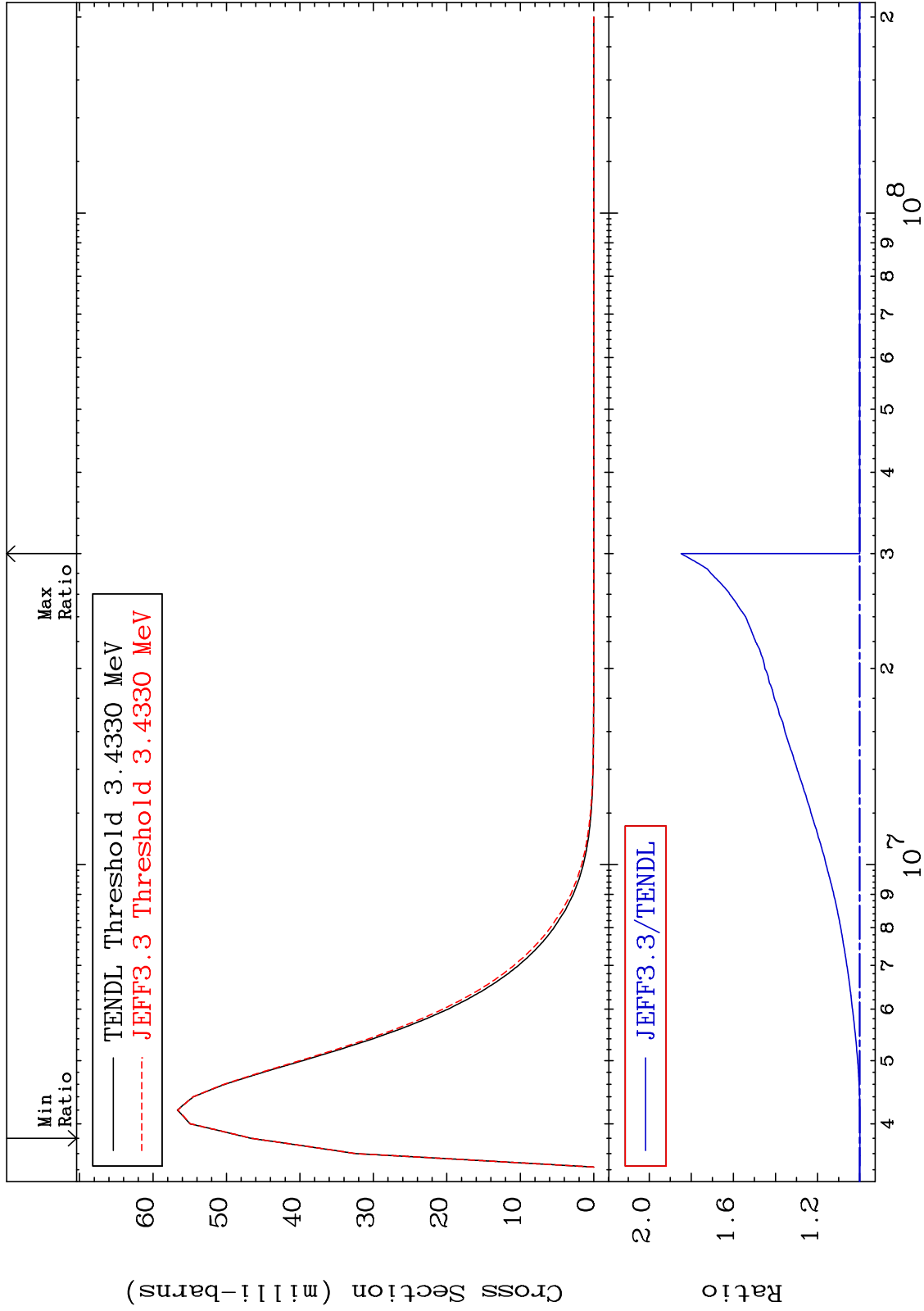
28-Ni-62
-0.080 To 84.83 %



MAT 2837

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

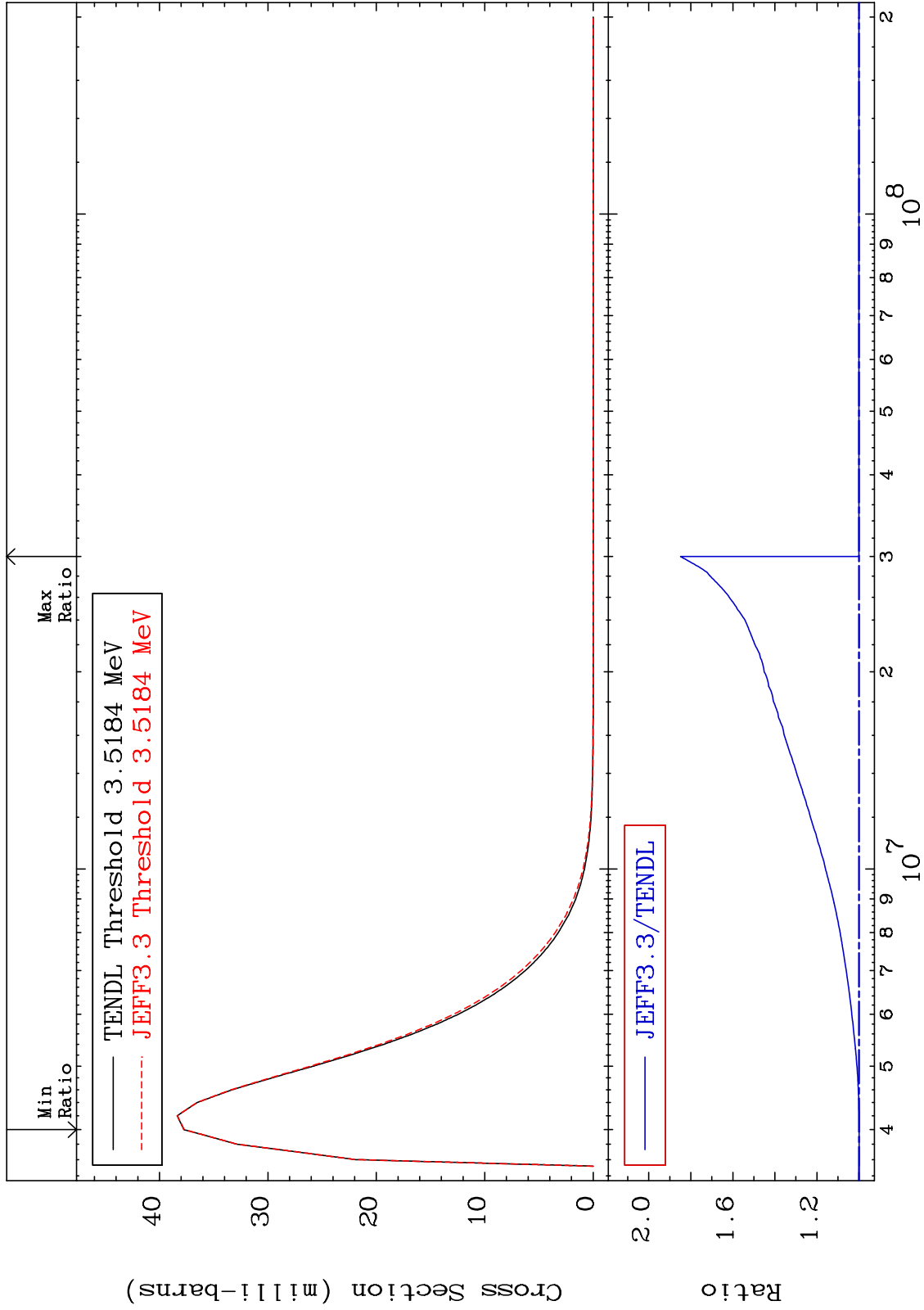
28-Ni-62
-0.125 To 84.79 %



MAT 2837

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

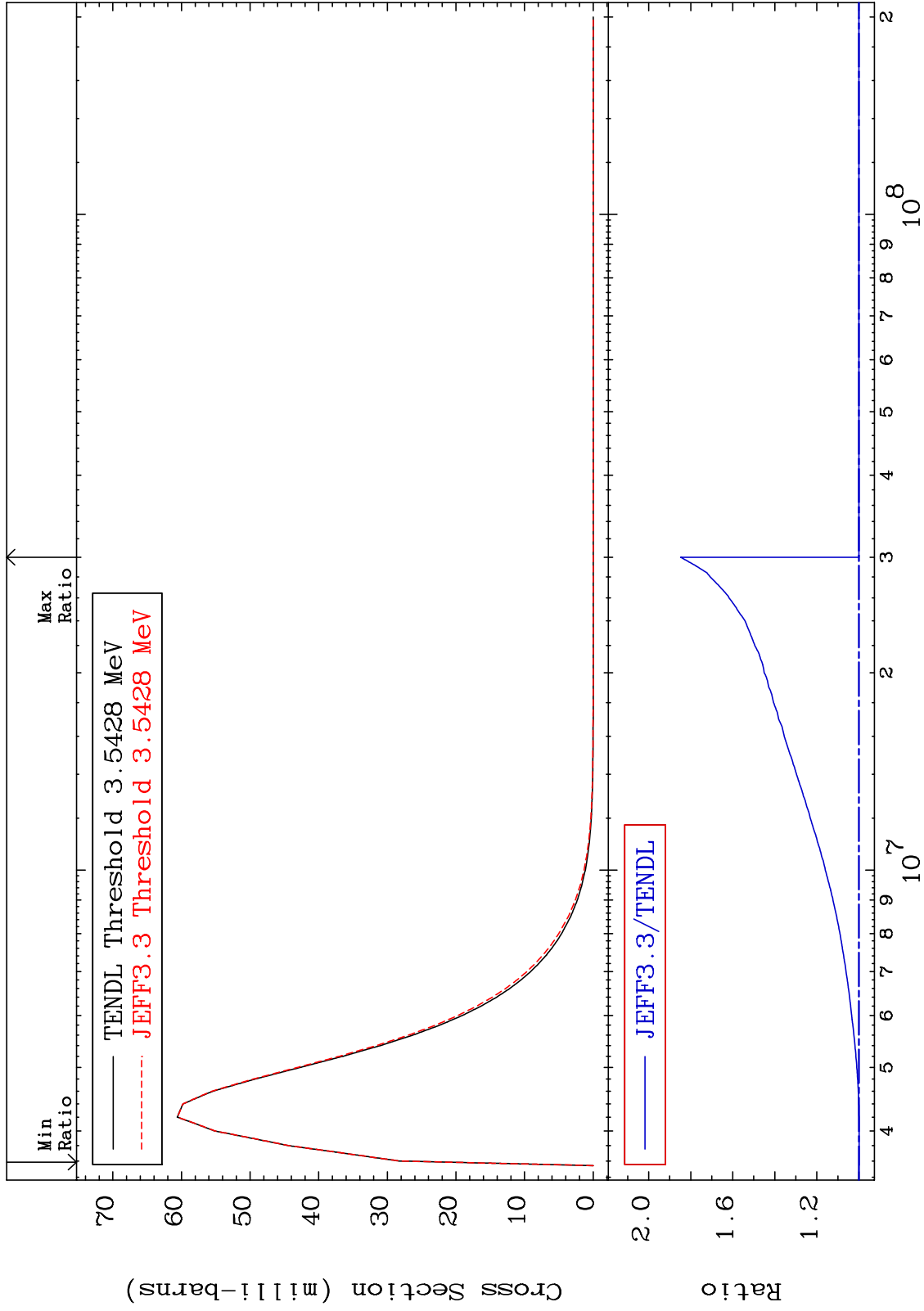
28-Ni-62
-0.078 To 84.83 %



MAT 2837

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

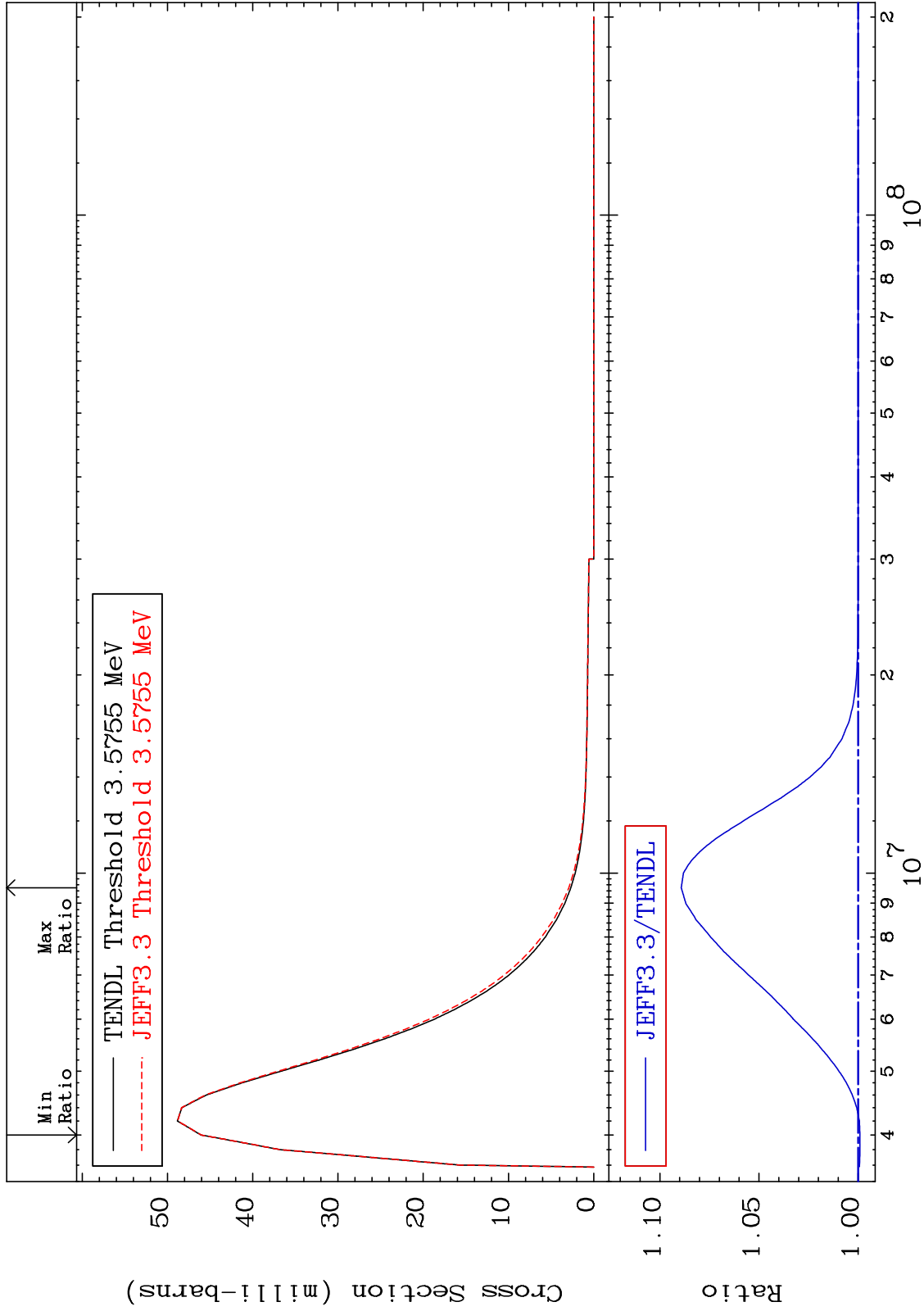
28-Ni-62
-0.144 To 84.81 %



MAT 2837

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

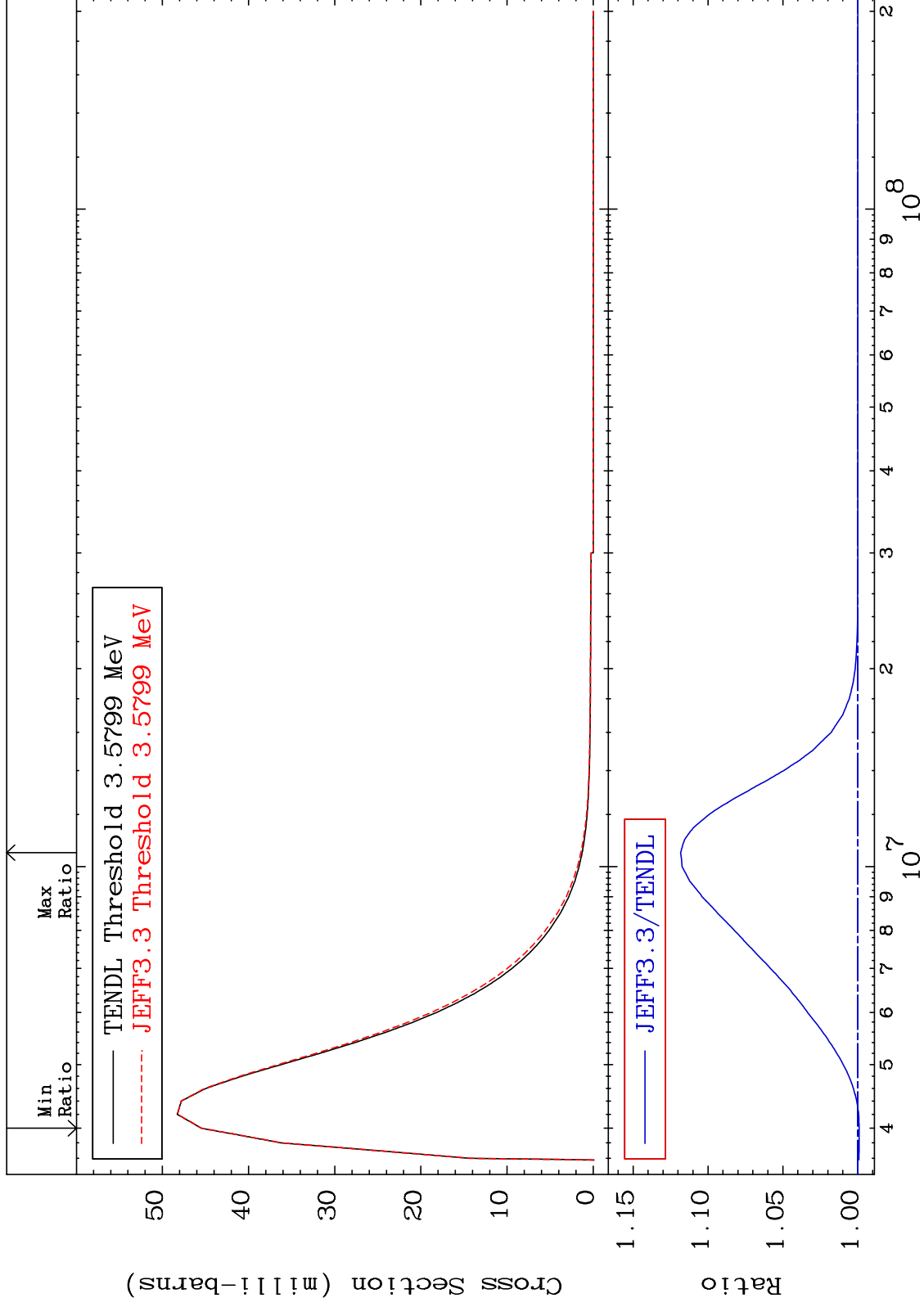
28-Ni-62
-0.094 To 8.923 %



MAT 2837

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

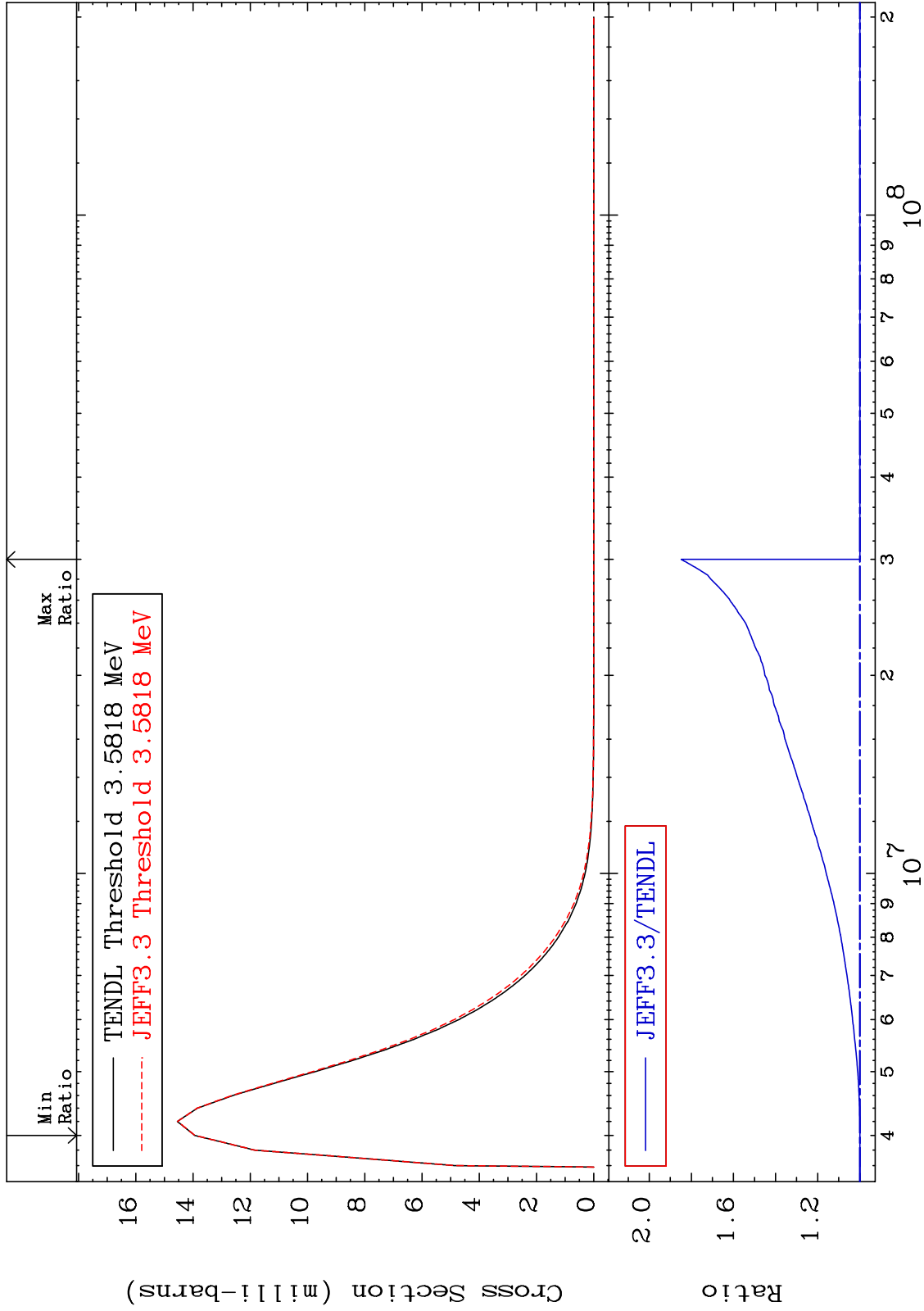
28-Ni-62
-0.094 To 11.83 %



MAT 2837

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

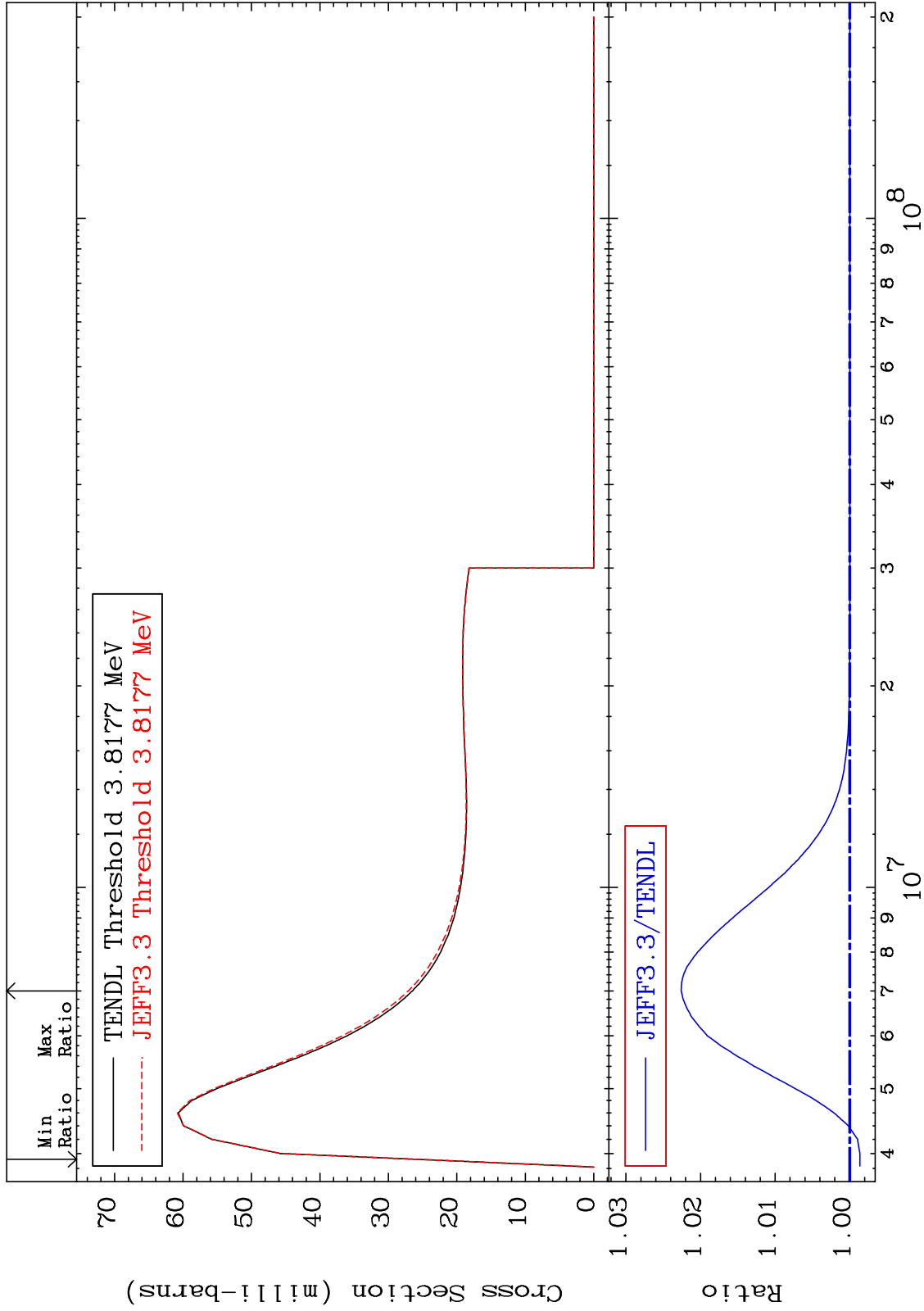
28-Ni-62
-0.072 To 84.82 %



MAT 2837

MT= 70 (n,n') Level
Cross Section

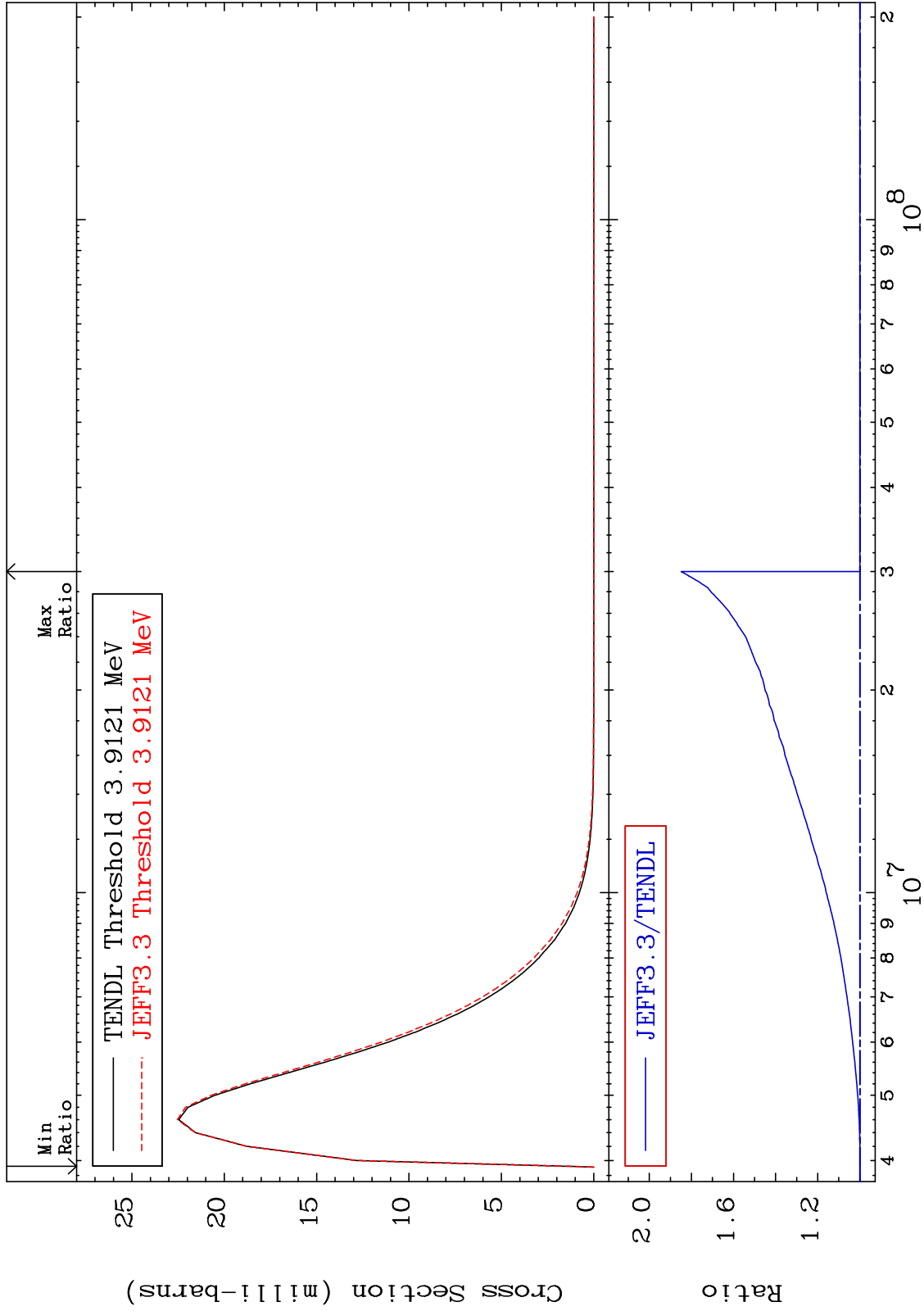
28-Ni-62
-0.137 To 2.259 %



MAT 2837

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

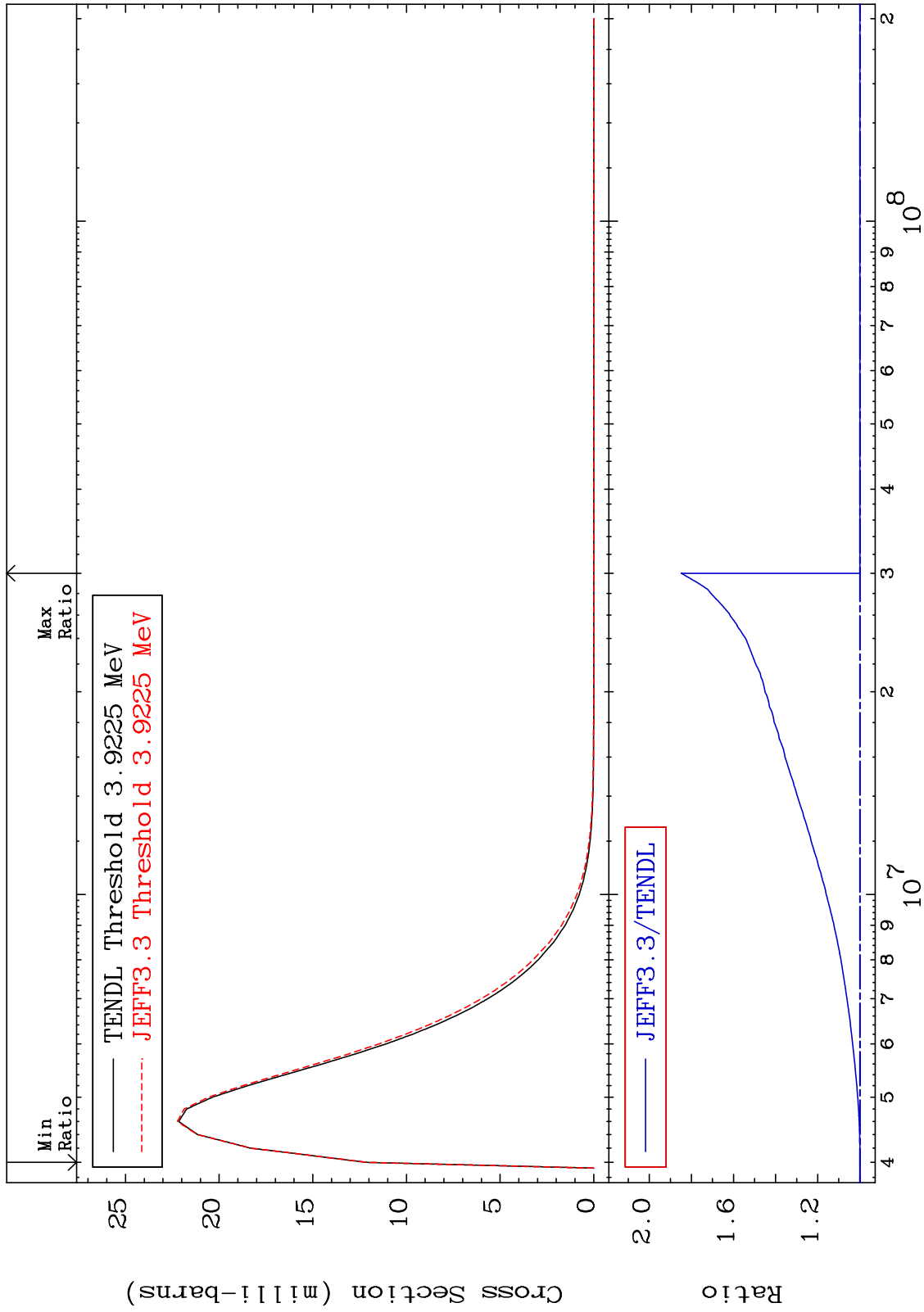
28-Ni-62
-0.061 To 84.84 %



MAT 2837

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

28-Ni-62
-0.059 To 84.84 %



40

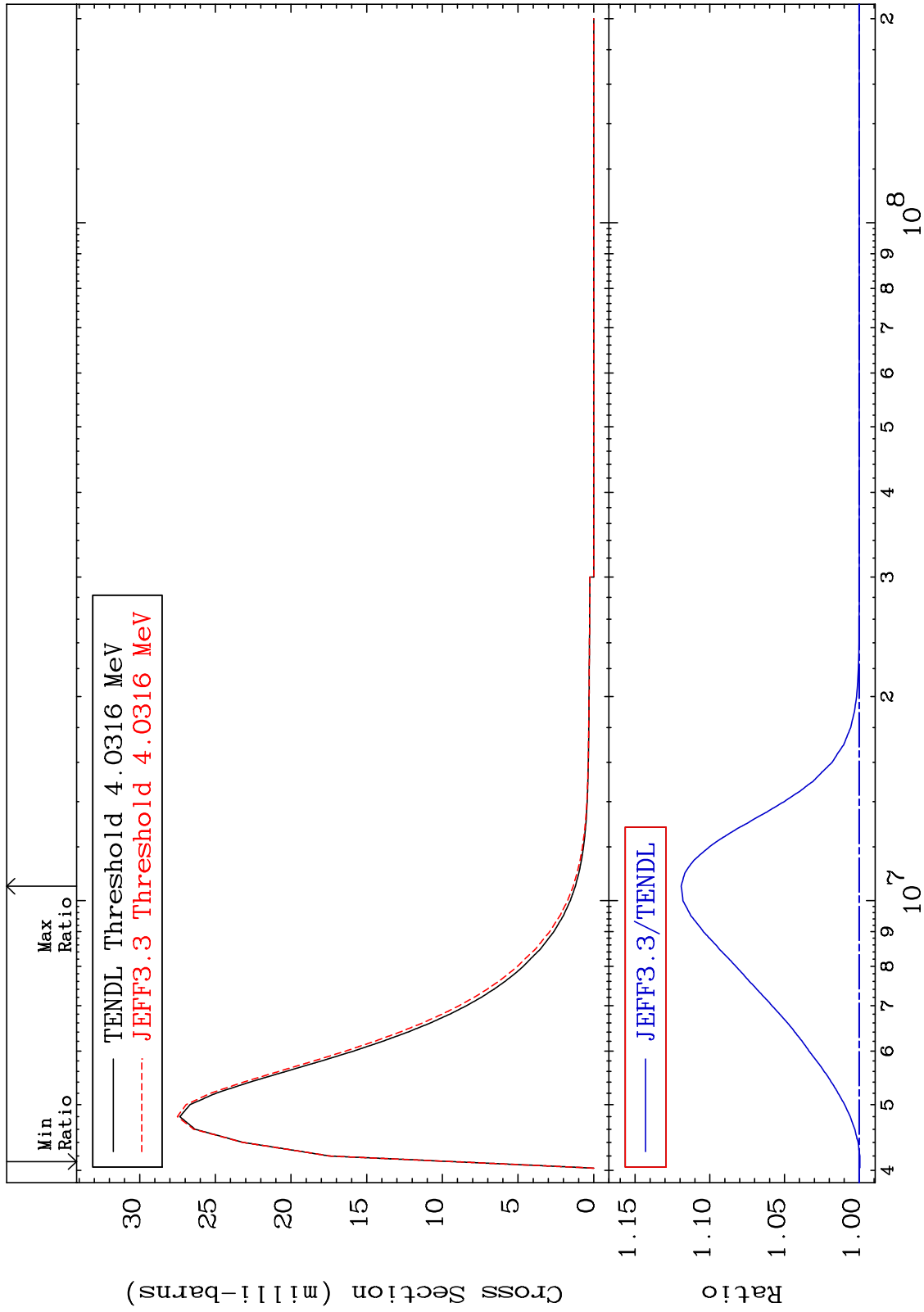
Incident Energy (eV)

28-Ni-62

MAT 2837

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

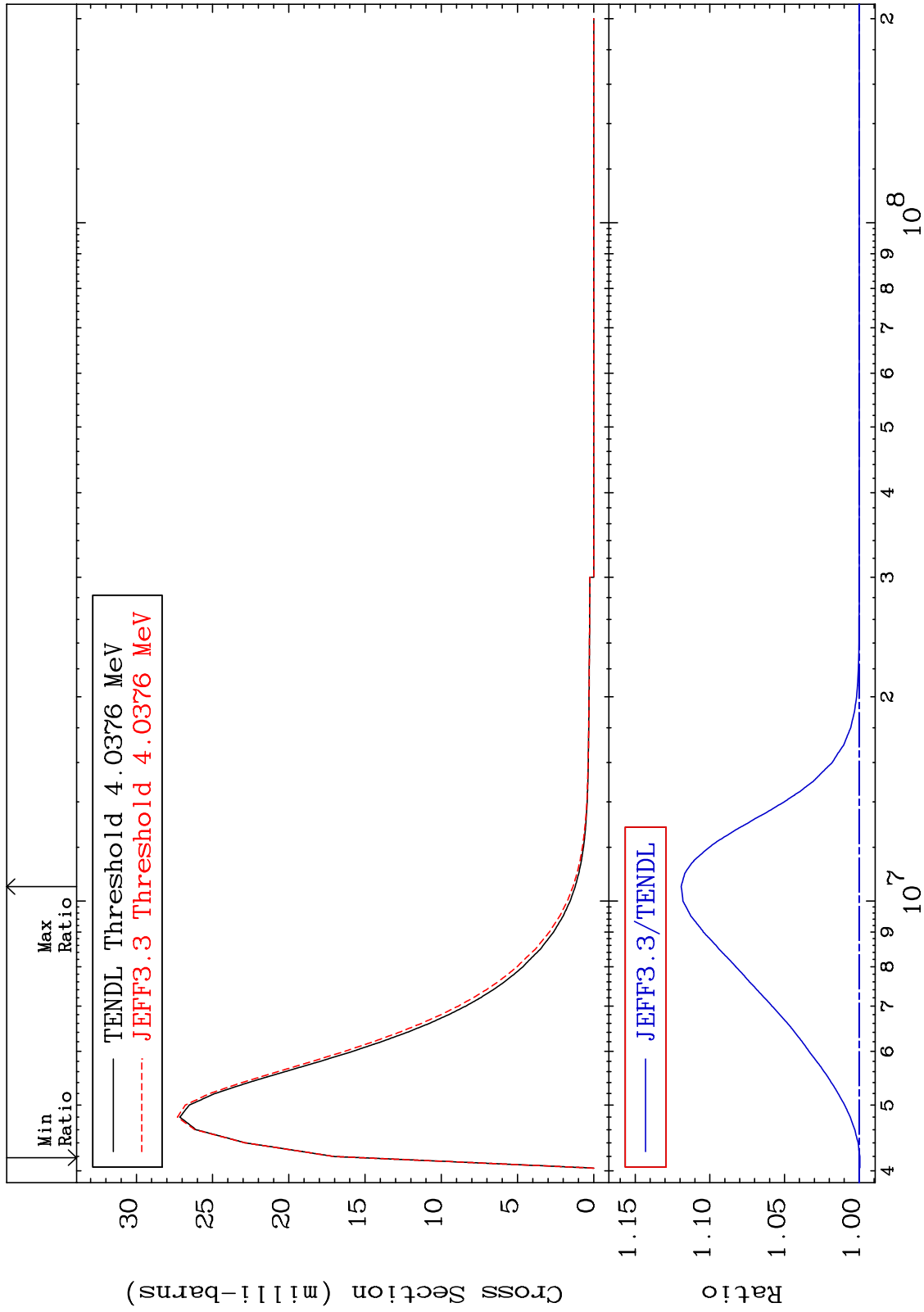
28-Ni-62
-0.051 To 11.92 %



MAT 2837

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

28-Ni-62
-0.051 To 11.92 %



42

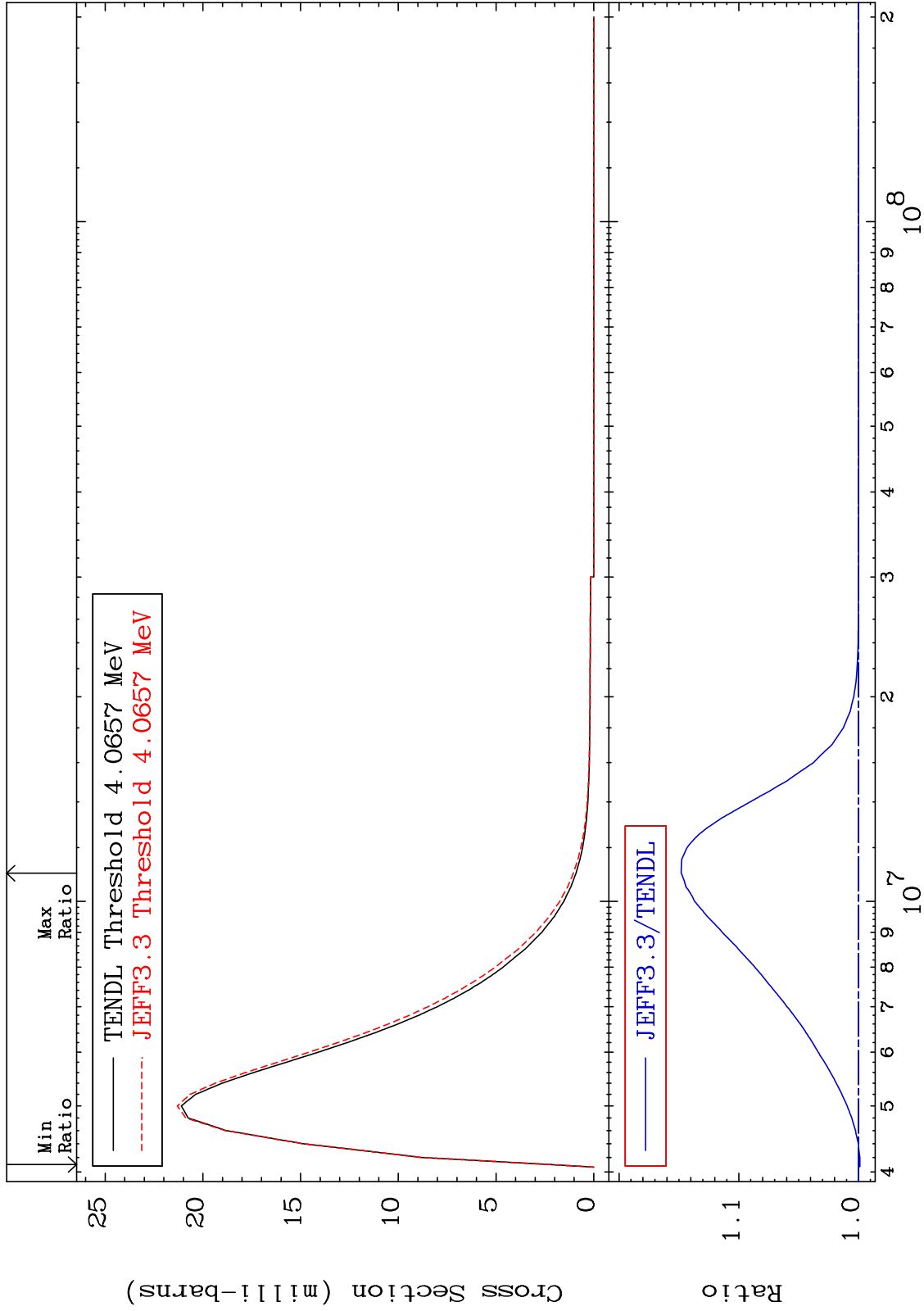
Incident Energy (eV)

28-Ni-62

MAT 2837

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

28-Ni-62
-0.120 To 14.81 %



43

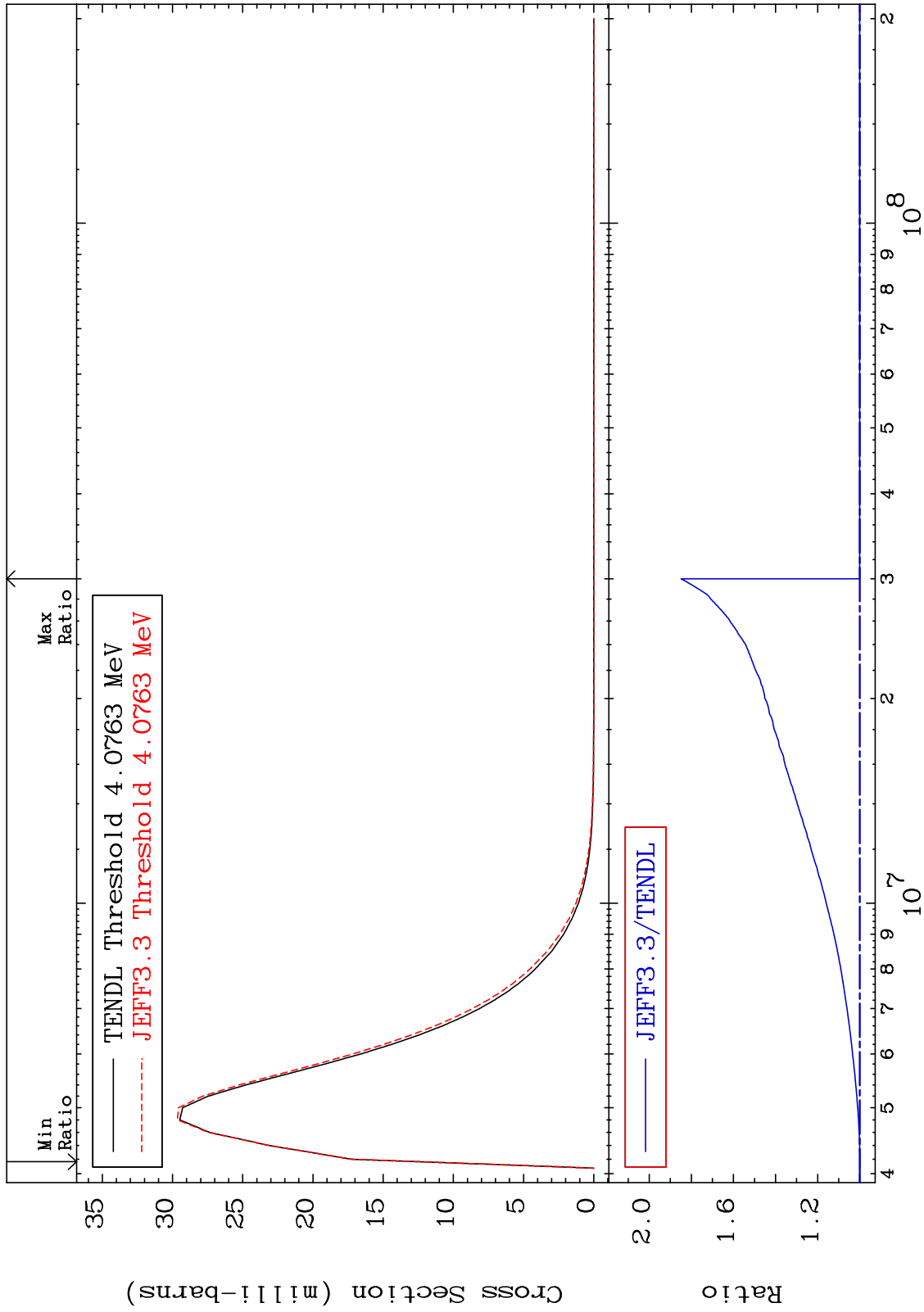
Incident Energy (eV)

28-Ni-62

MAT 2837

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

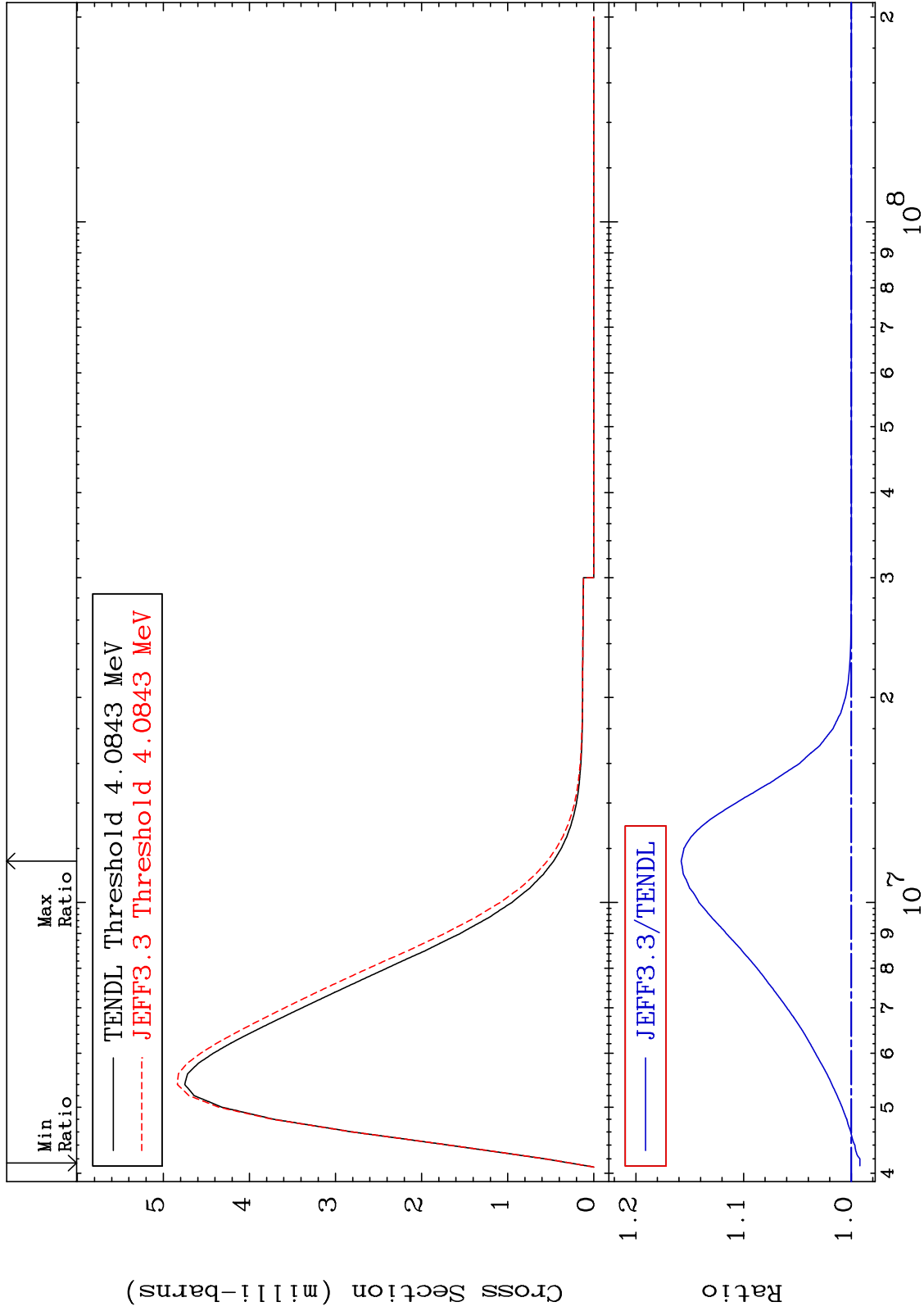
28-Ni-62
-0.081 To 84.82 %



MAT 2837

MT= 77 (n,n') Level
Cross Section

28-Ni-62
-0.801 To 15.79 %



45

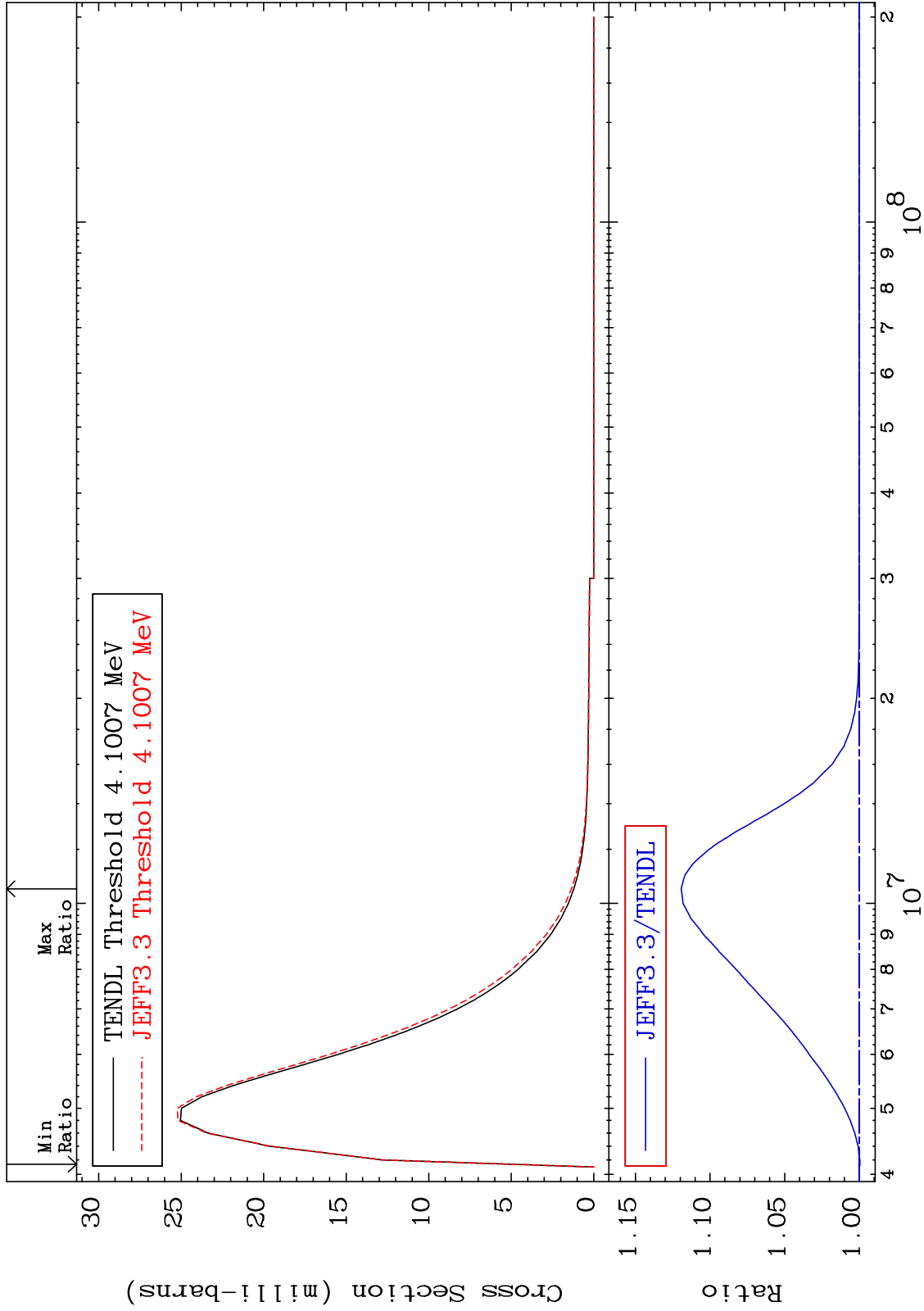
28-Ni-62

28-Ni-62

MAT 2837

MT= 78 (n,n') Level
Cross Section

28-Ni-62
-0.045 To 11.93 %



46

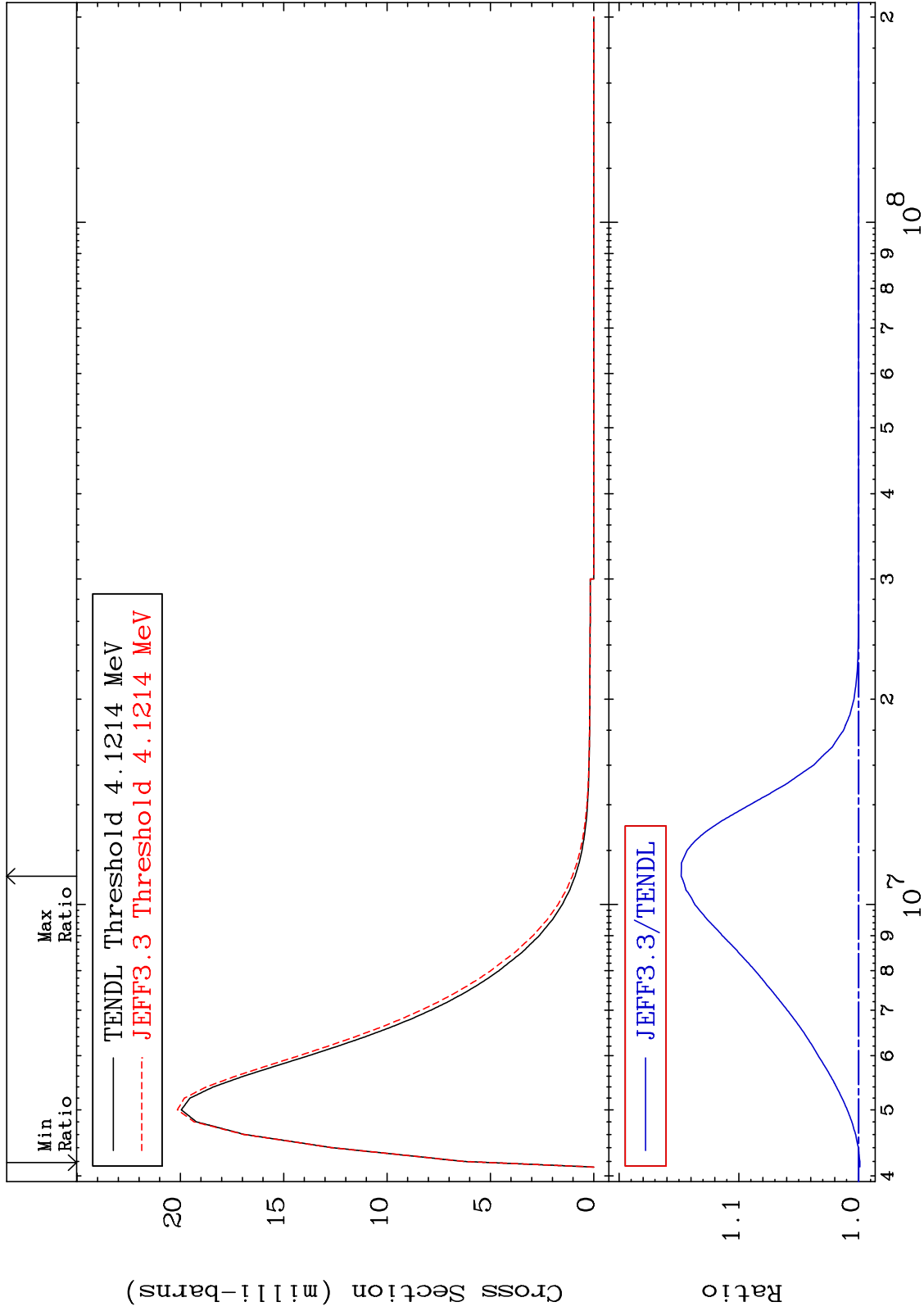
28-Ni-62

28-Ni-62

MAT 2837

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

28-Ni-62
-0.110 To 14.81 %



47

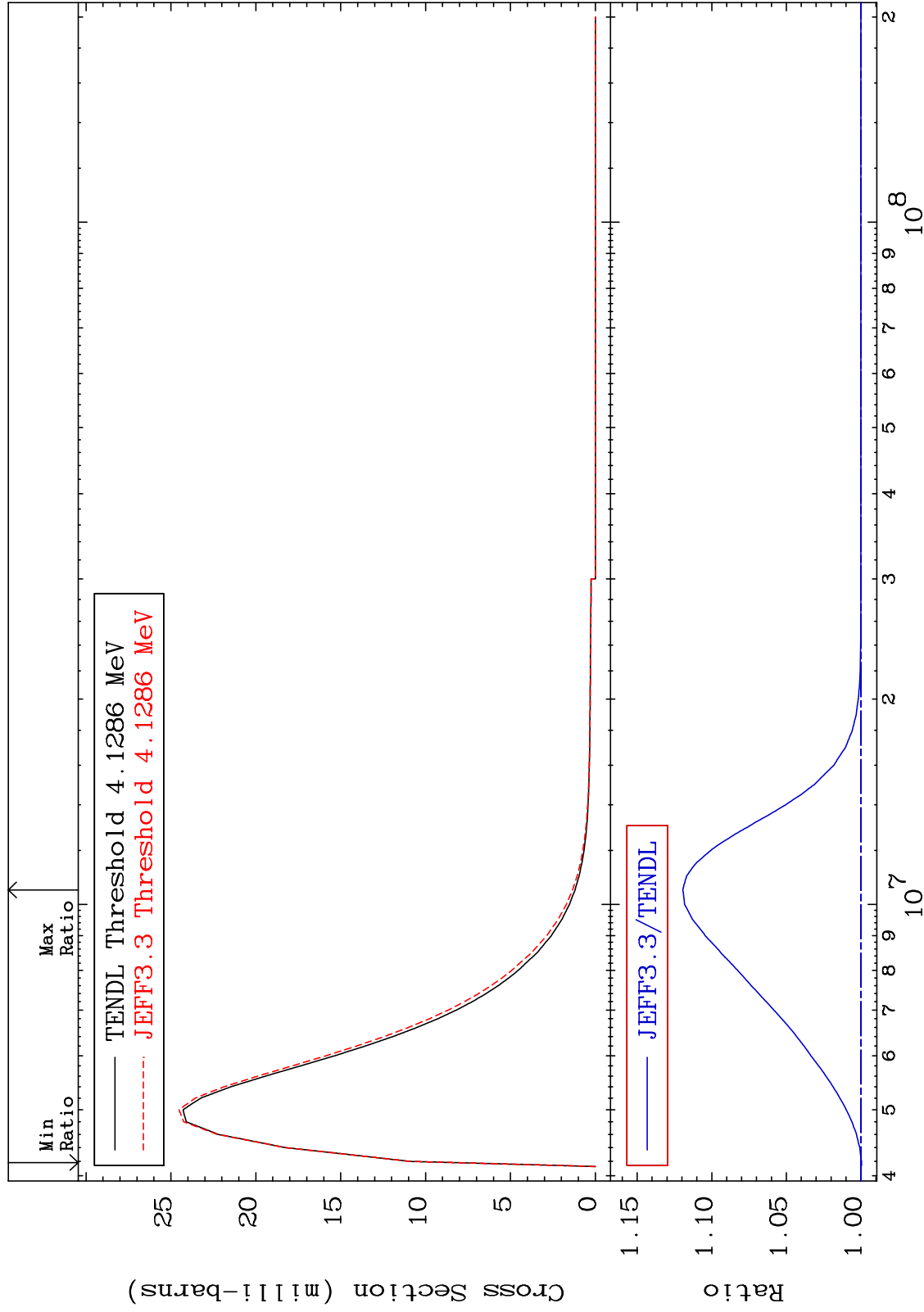
Incident Energy (eV)

28-Ni-62

MAT 2837

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

28-Ni-62
-0.042 To 11.94 %



48

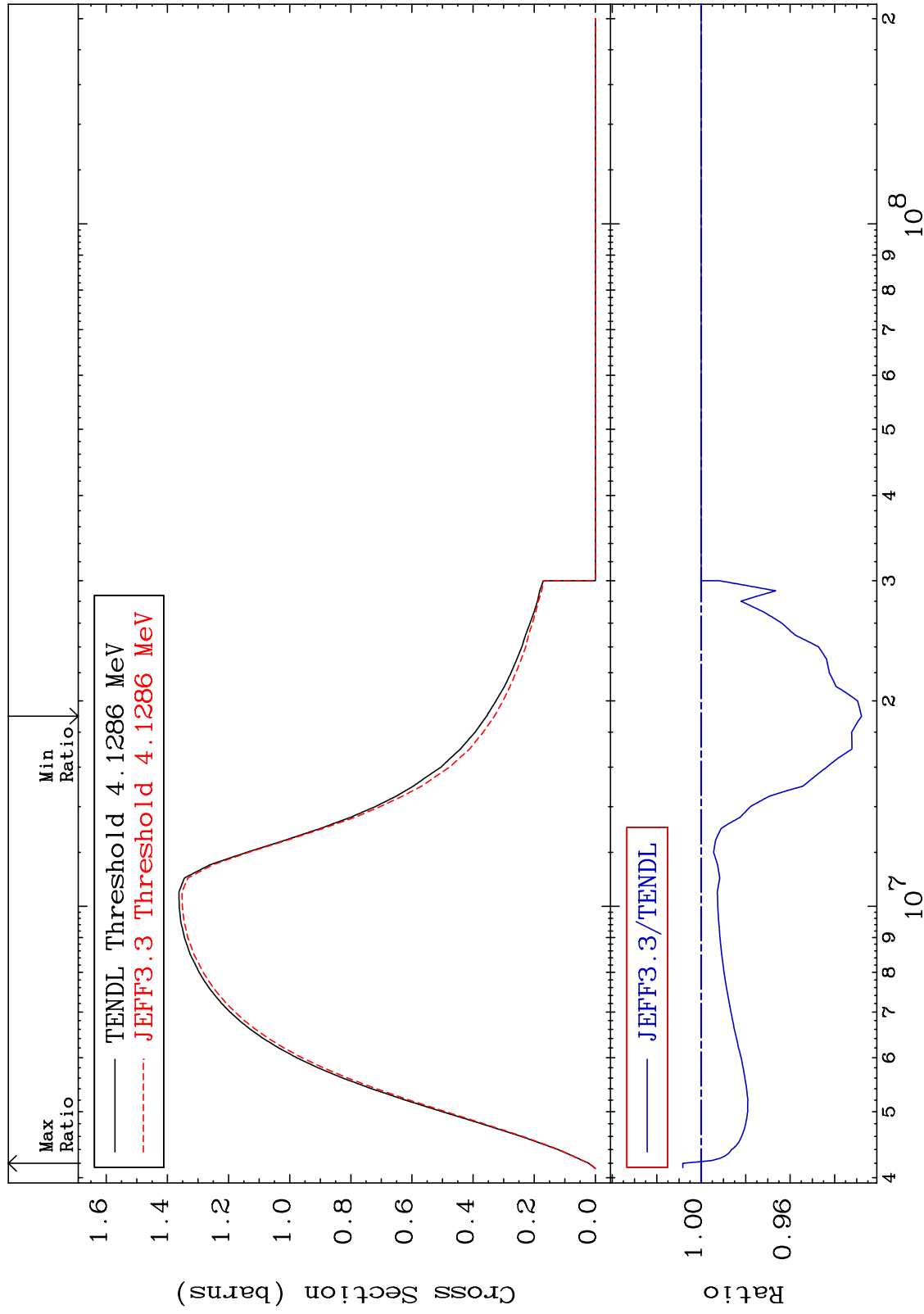
Incident Energy (eV)

28-Ni-62

MAT 2837

(n,n') Continuum
Cross Section

28-Ni-62
-7.216 To 0.825 %



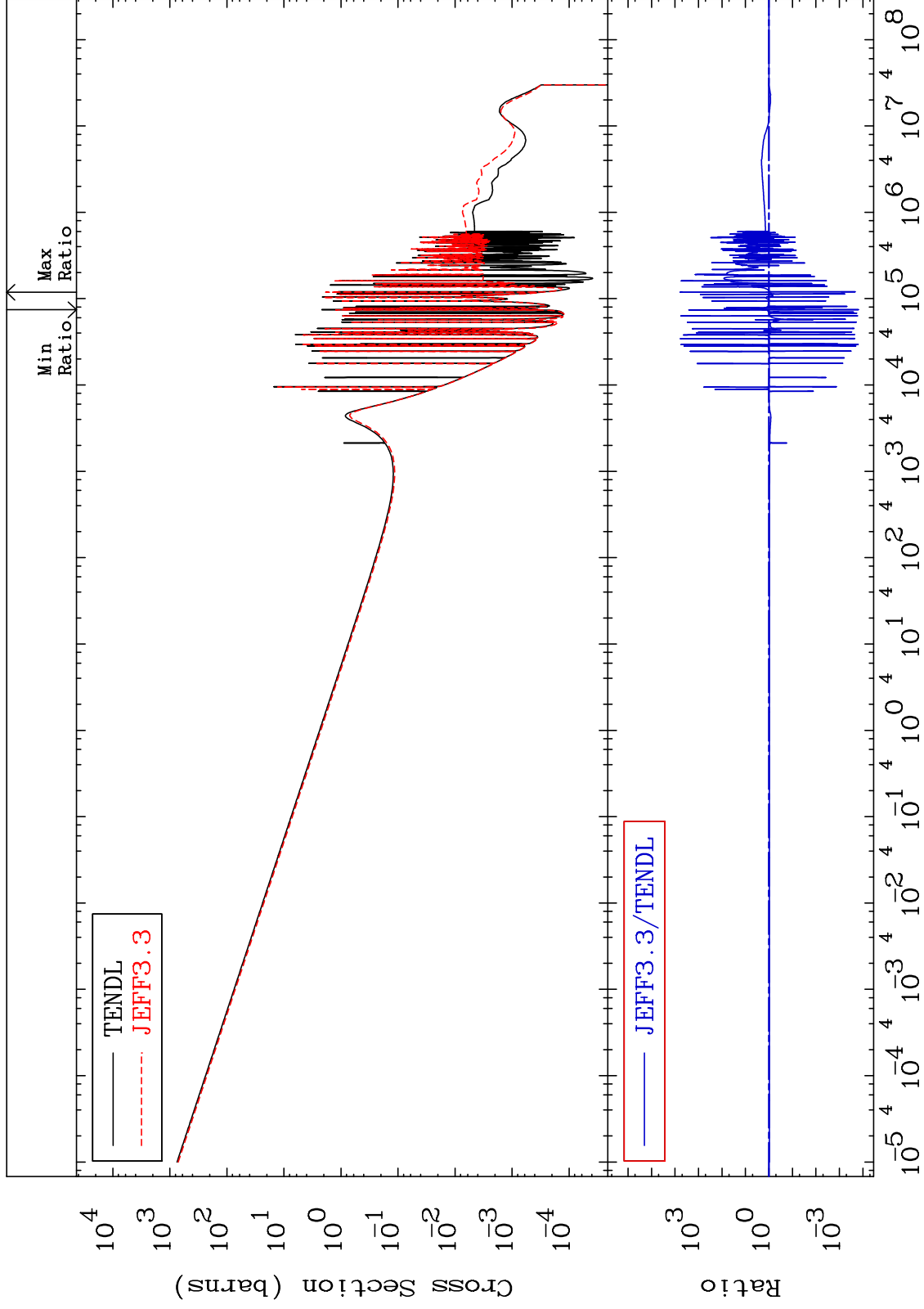
MAT 2837

(n, γ)

28-Ni-62

Cross Section

-99.98 To 9999. %



50

Incident Energy (eV)

28-Ni-62

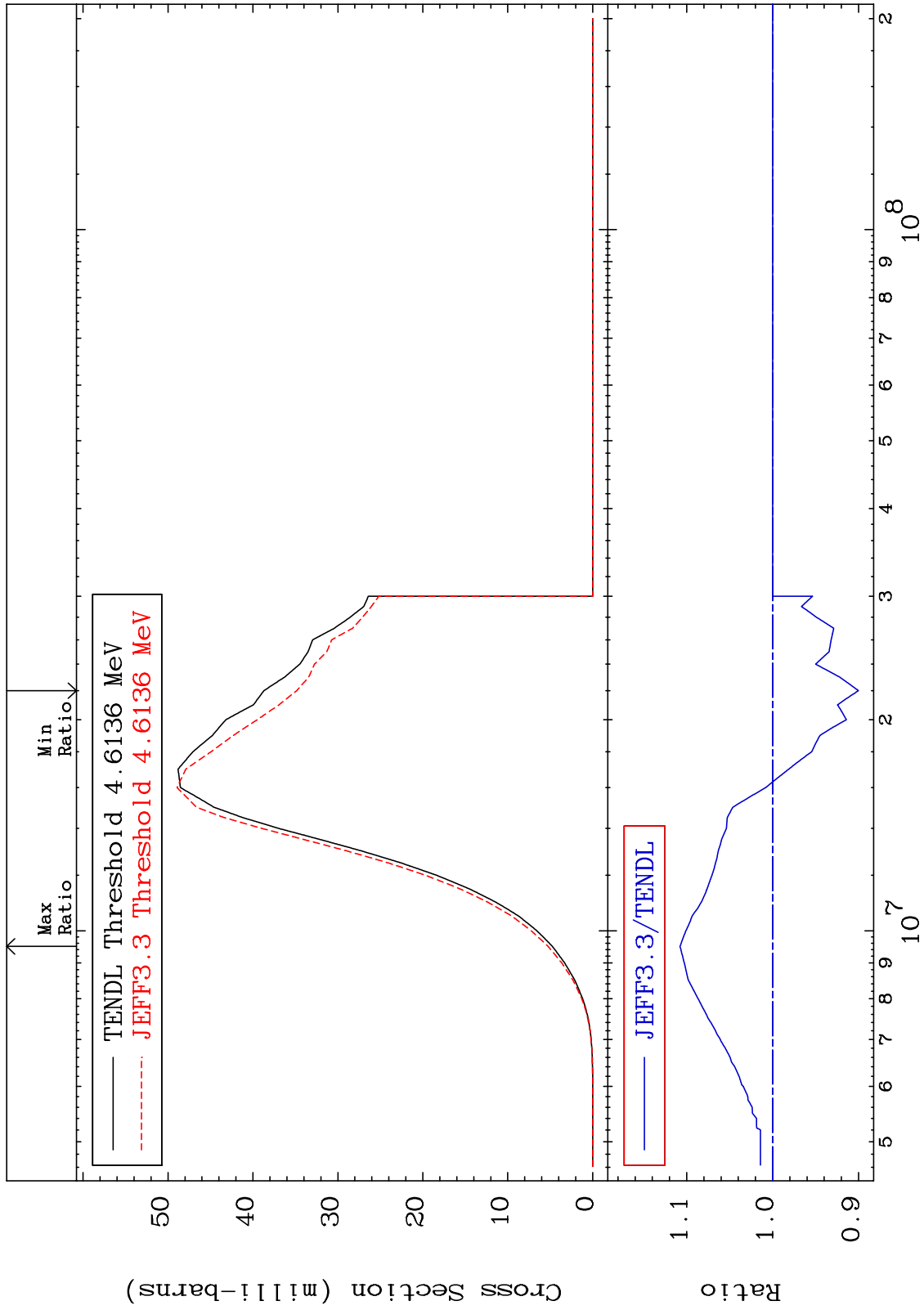
MAT 2837

(n,p)

²⁸Ni-62

Cross Section

-9.978 To 10.78 %



51

Incident Energy (eV)

²⁸Ni-62

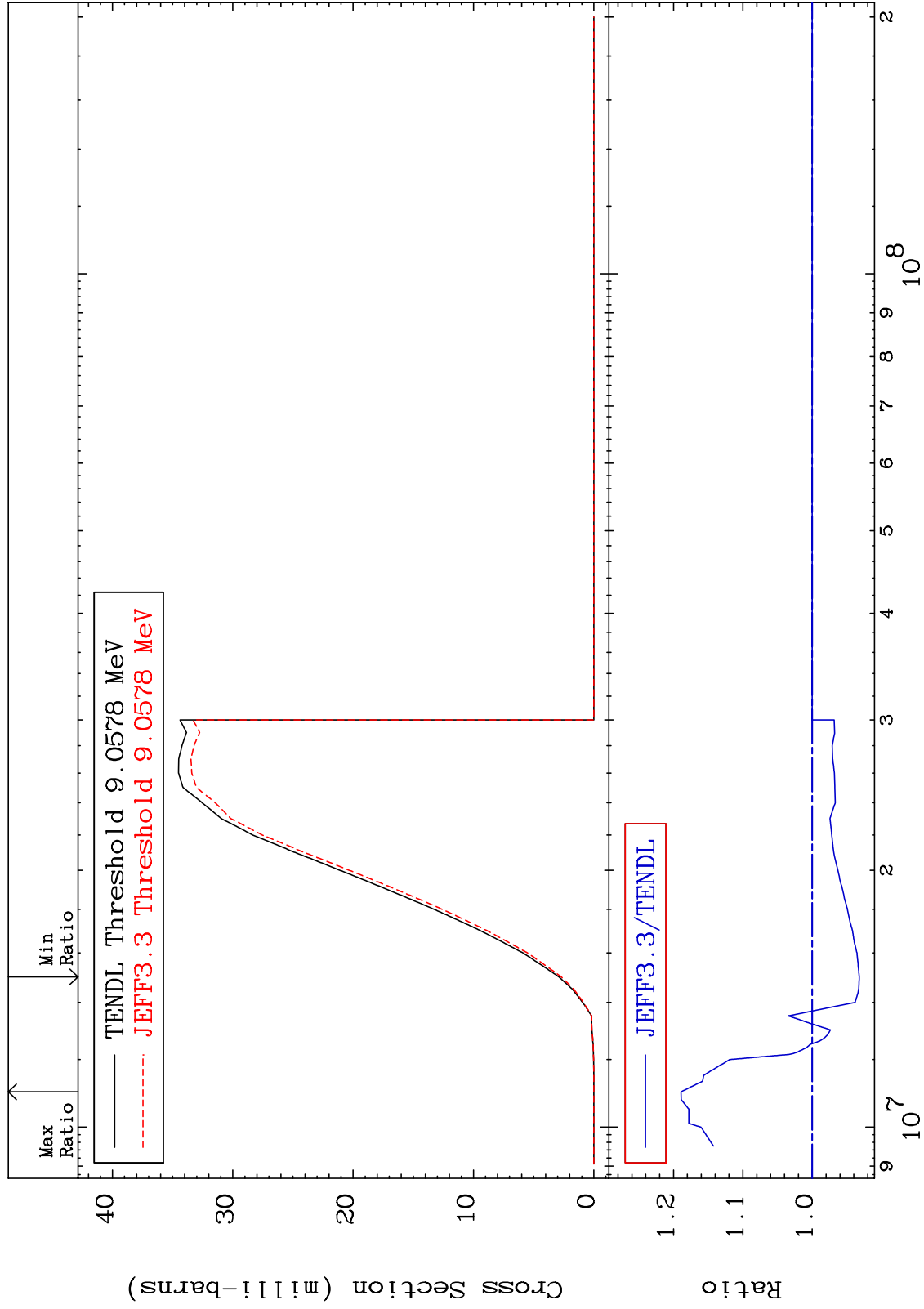
MAT 2837

(n, d)

28-Ni-62

Cross Section

-6.783 To 18.91 %



52

Incident Energy (eV)

28-Ni-62

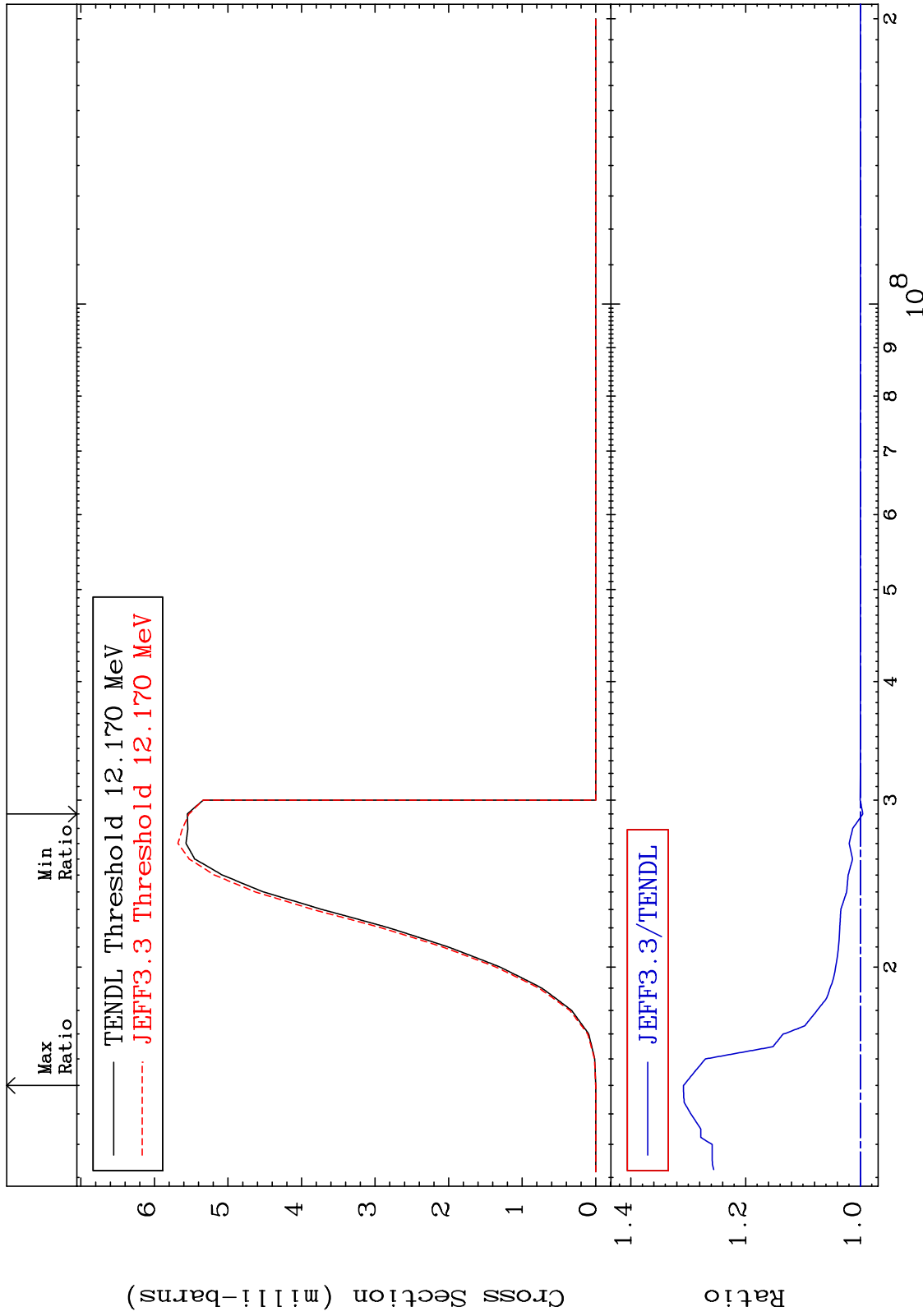
MAT 2837

(n, t)

28-Ni-62

Cross Section

-0.427 To 30.83 %



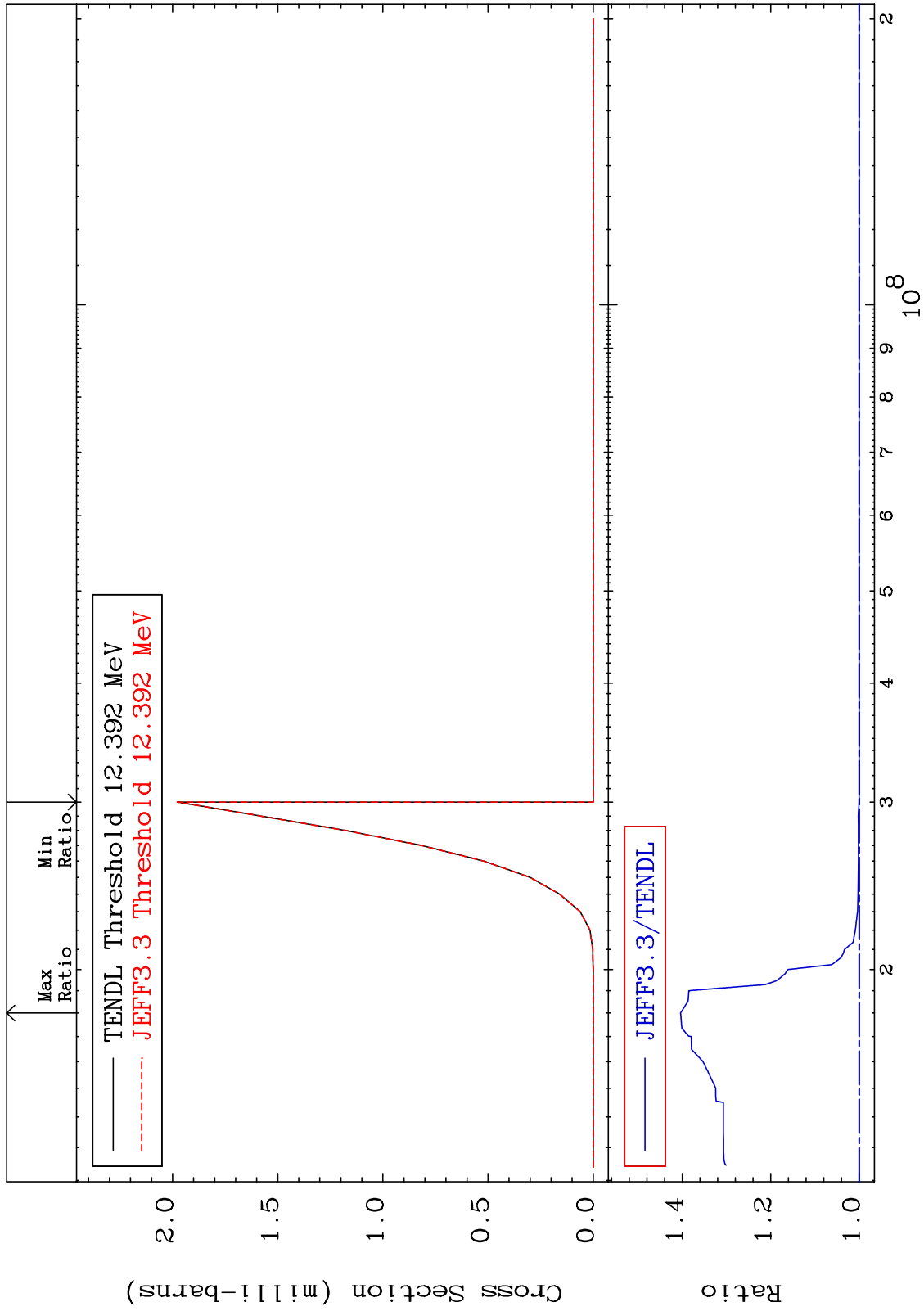
MAT 2837

(n, He-3)

28-Ni-62

Cross Section

0.000 To 40.39 %



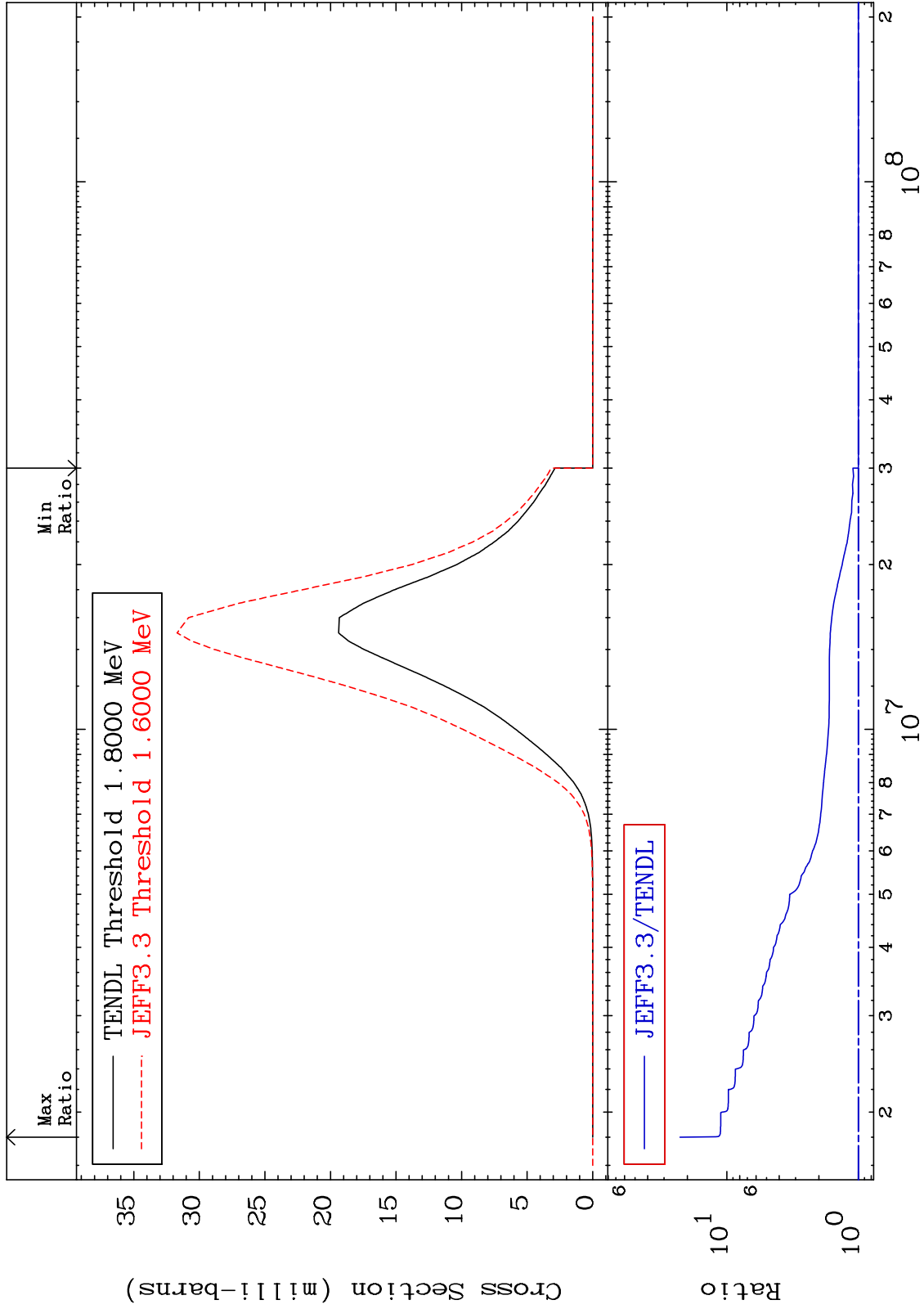
MAT 2837

(n, α)

28-Ni-62

0.000 To 2171. %

Cross Section



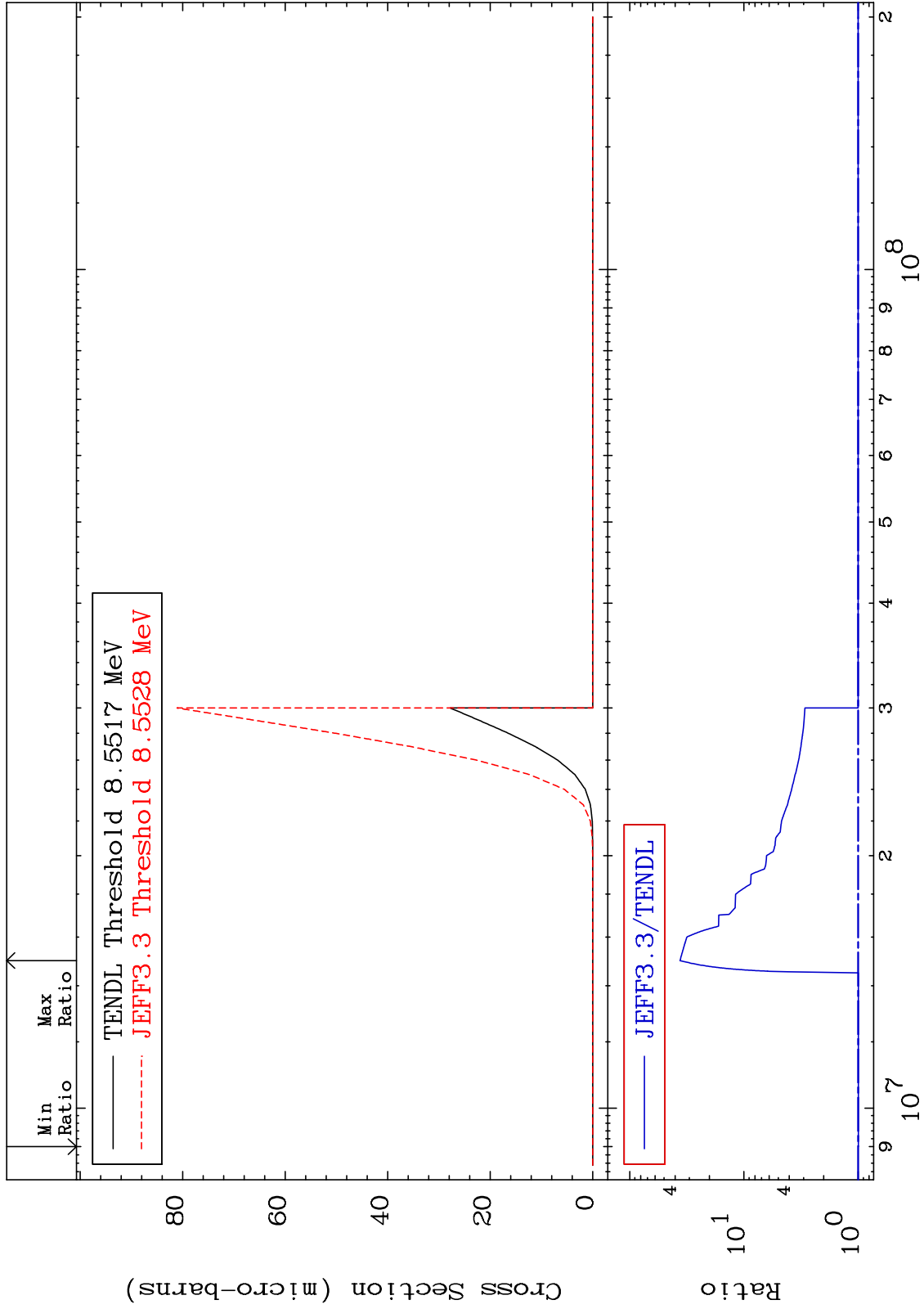
MAT 2837

(n,2α)

28-Ni-62

Cross Section

-0.699 To 3524. %



56

Incident Energy (eV)

28-Ni-62

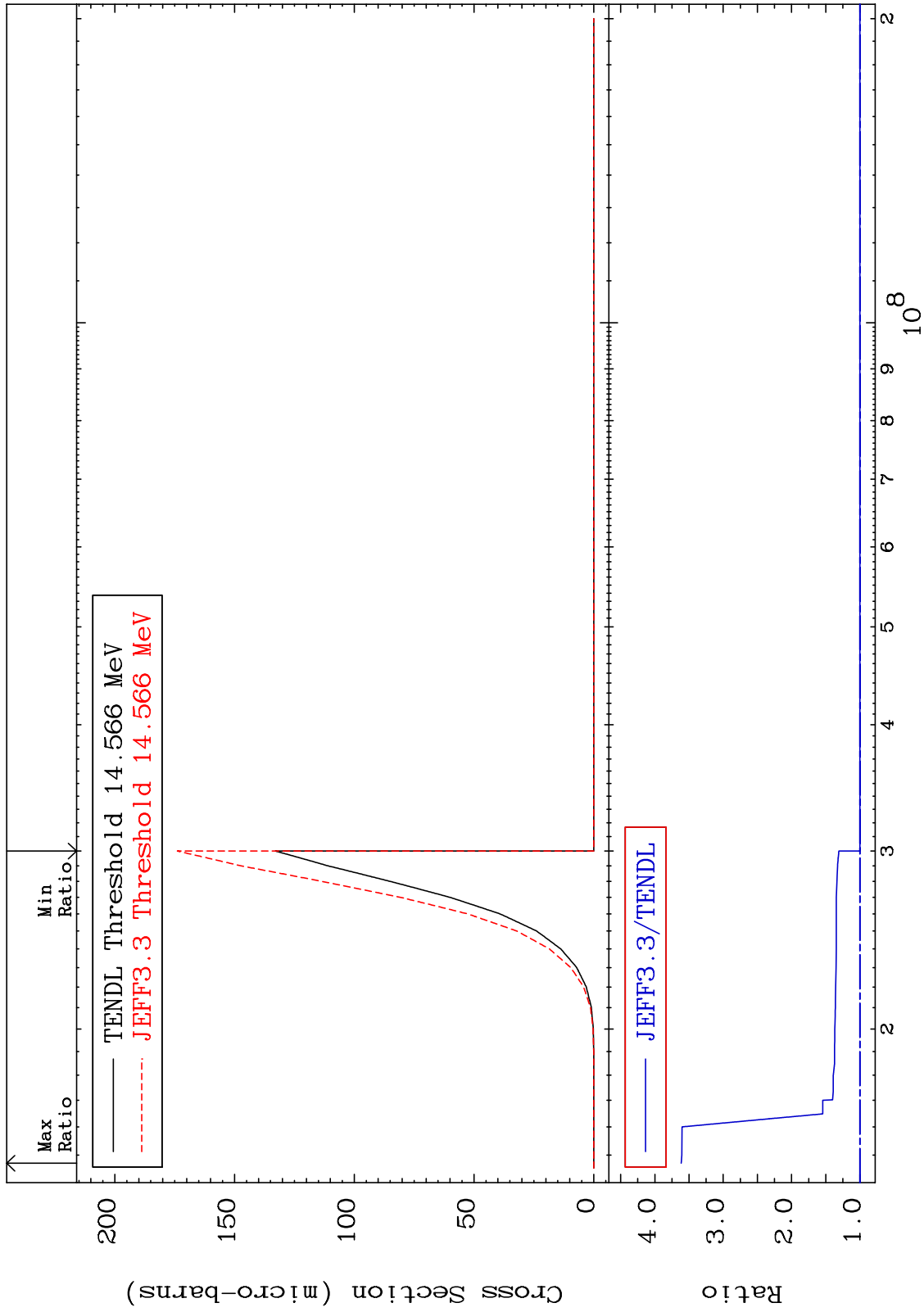
MAT 2837

(n,2p)

28-Ni-62

Cross Section

0.000 To 261.4 %



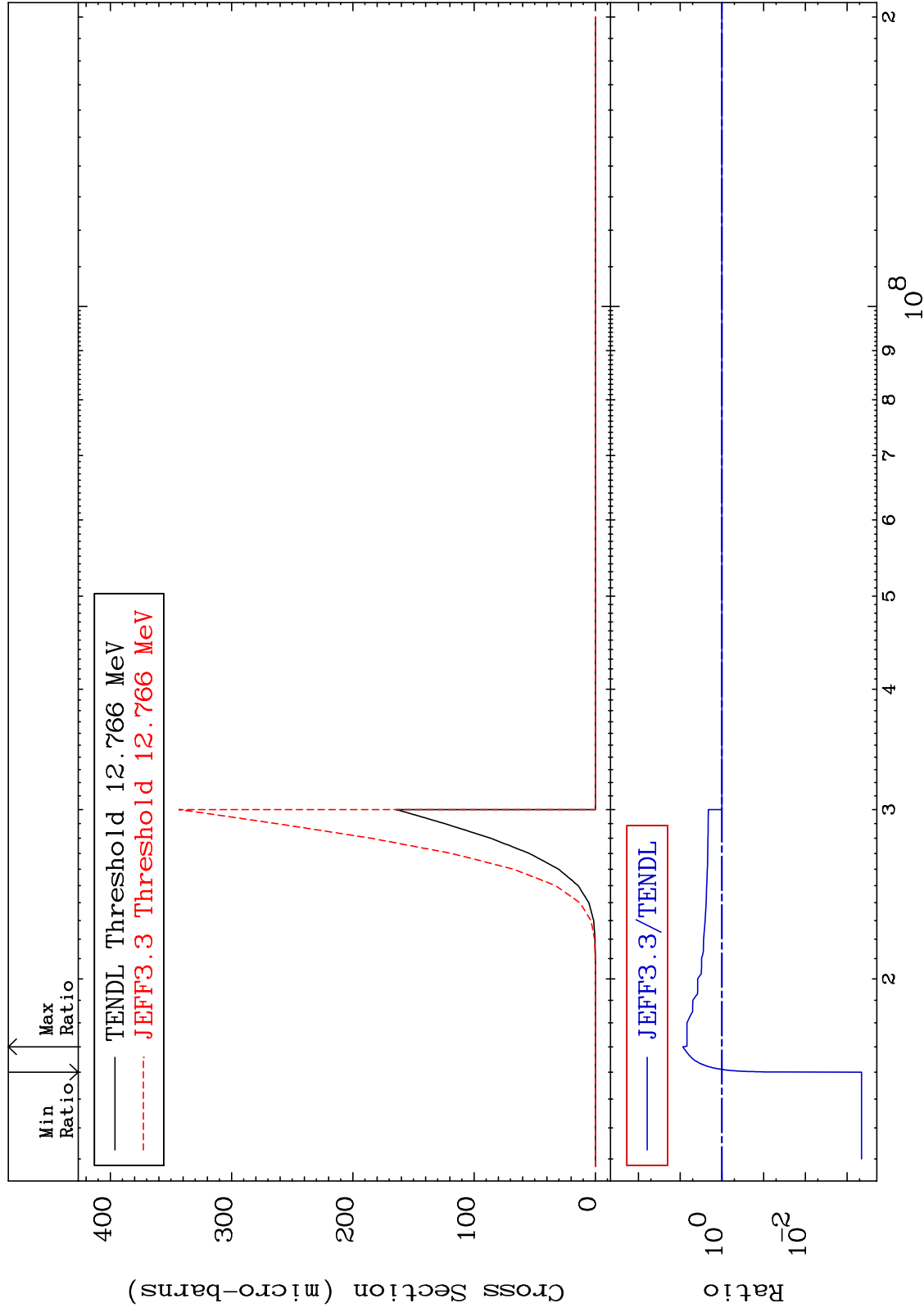
MAT 2837

(n,p) α

28-Ni-62

Cross Section

-99.96 To 757.9 %



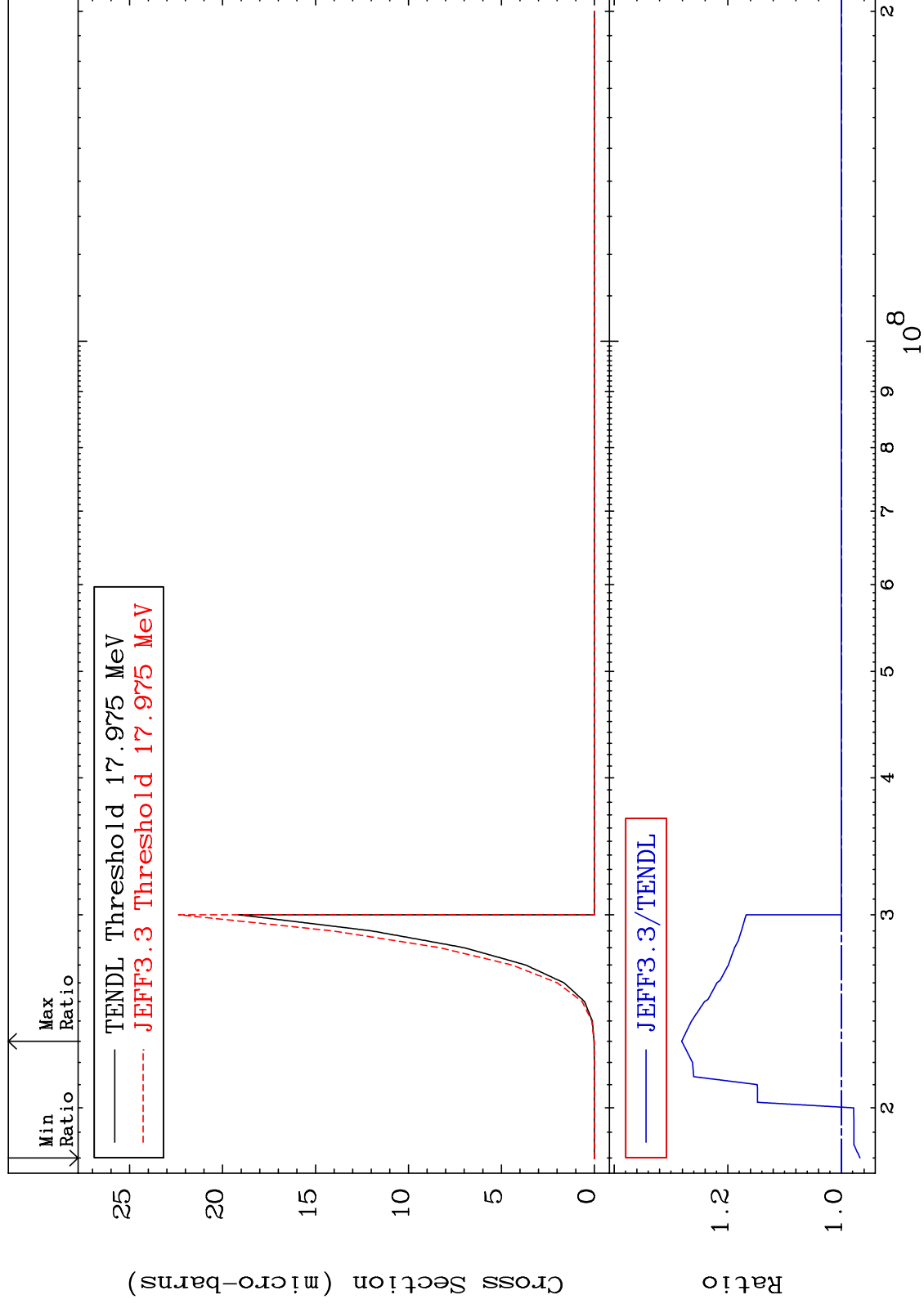
MAT 2837

(n,p) d

28-Ni-62

Cross Section

-3.296 To 28.12 %



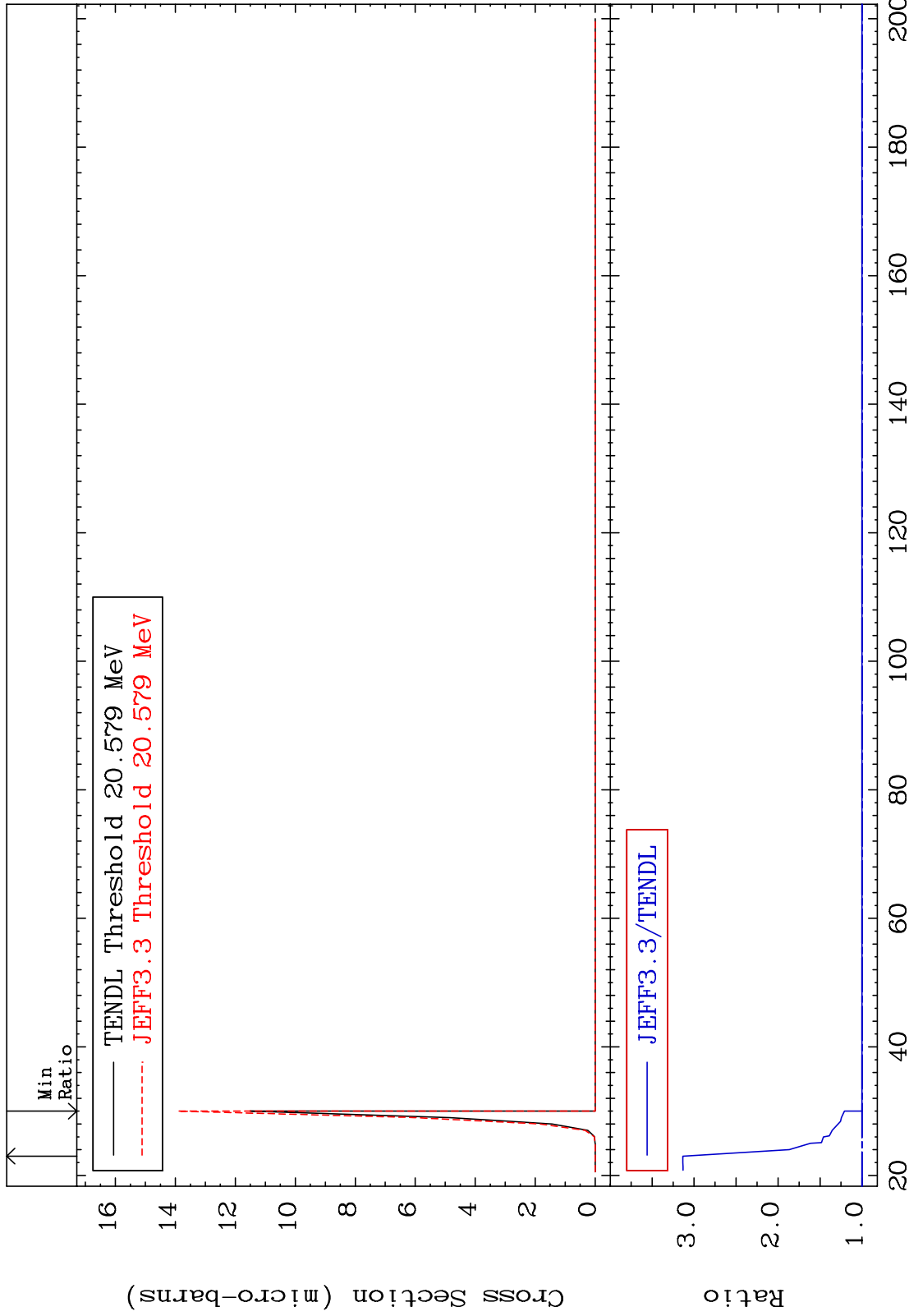
MAT 2837

(n,p) t

28-Ni-62

Cross Section

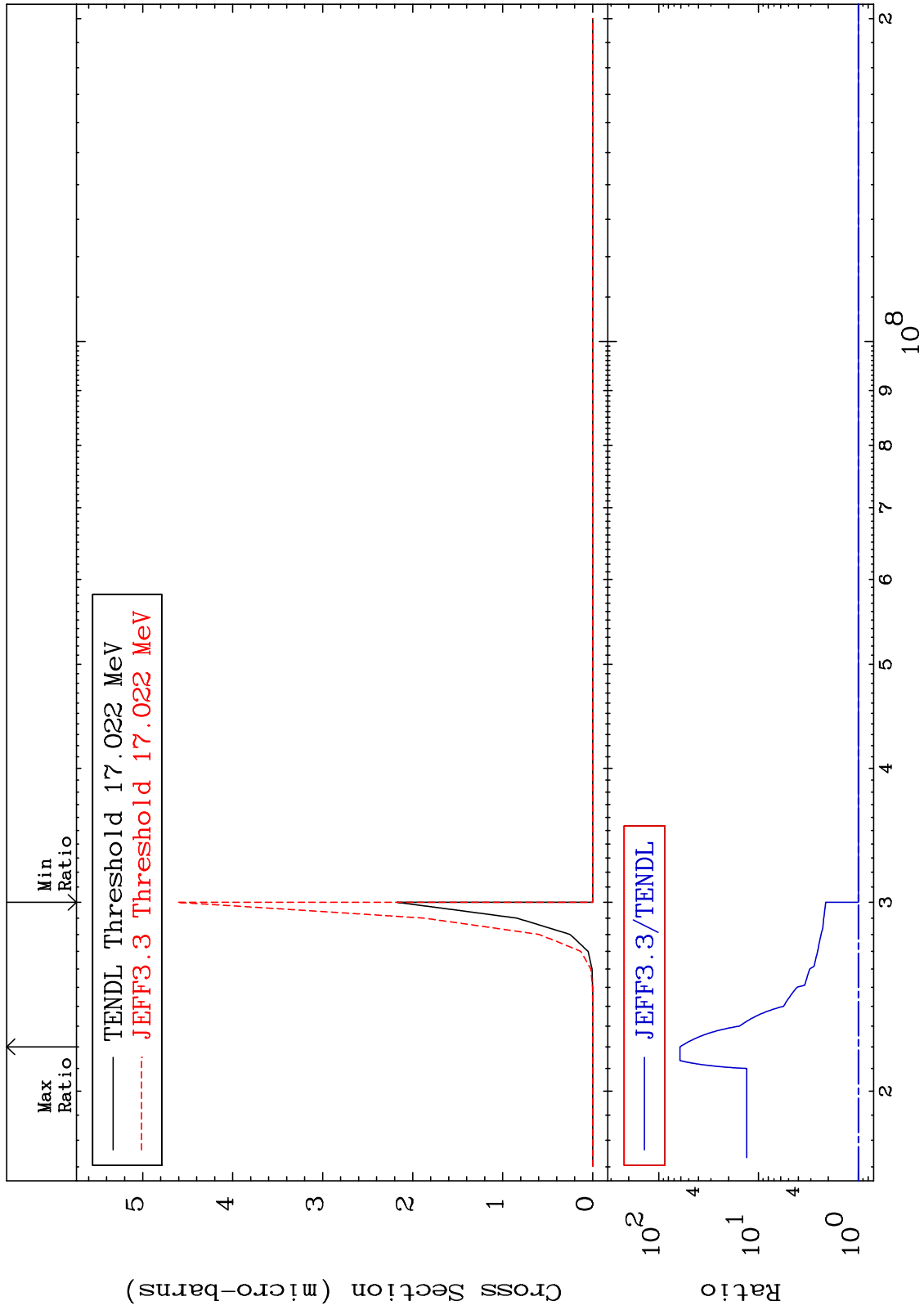
0.000 To 213.3 %



Incident Energy (MeV)

28-Ni-62

MAT 2837 (n,d) α Cross Section 28-Ni-62 To 6016. %



Max Ratio ←

Min Ratio →

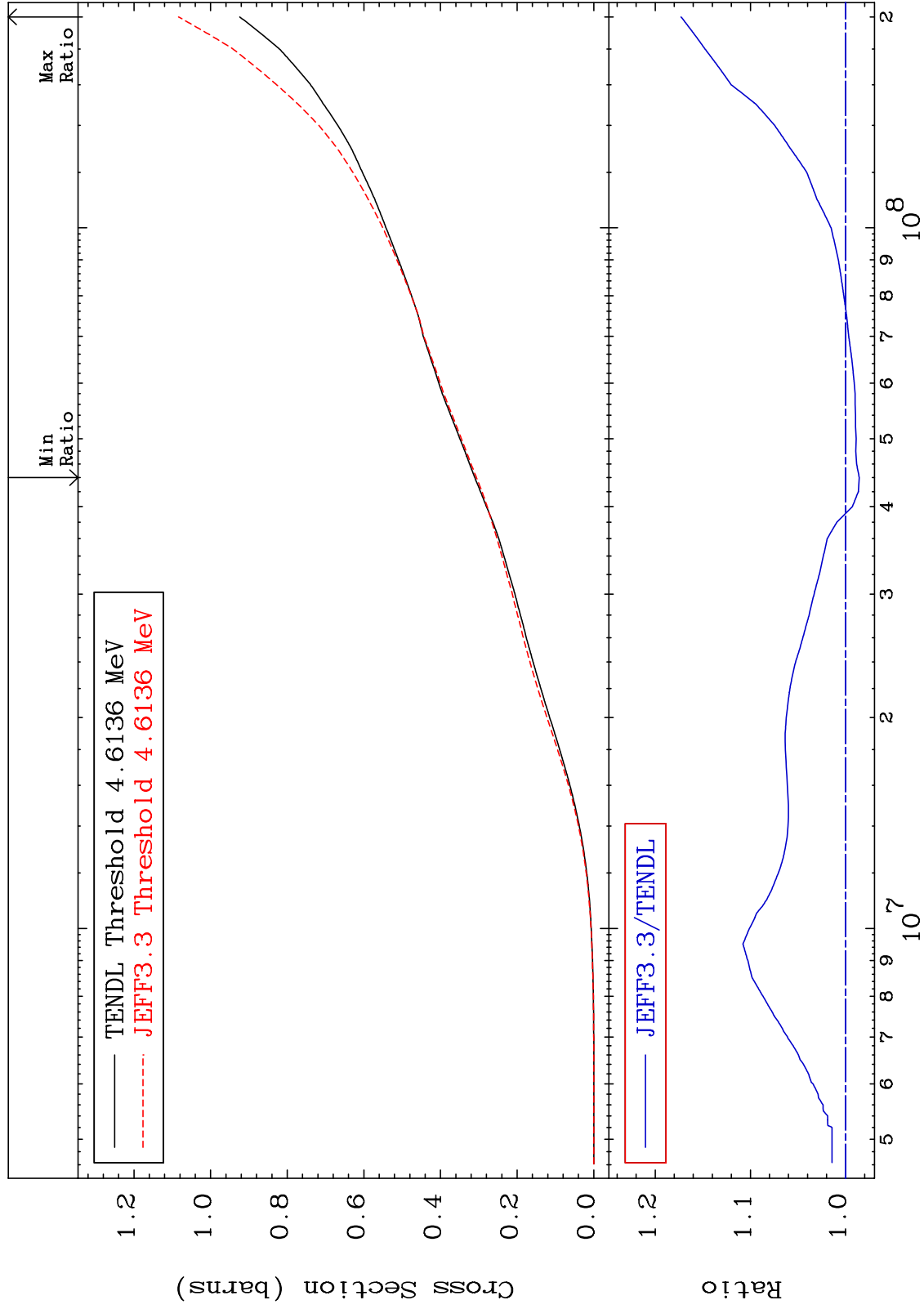
— TENDL Threshold 17.022 MeV
 - - - JEFF3.3 Threshold 17.022 MeV

JEFF3.3/TENDL

MAT 2837

Hydrogen Production
Cross Section

28-Ni-62
-1.437 To 17.28 %



62

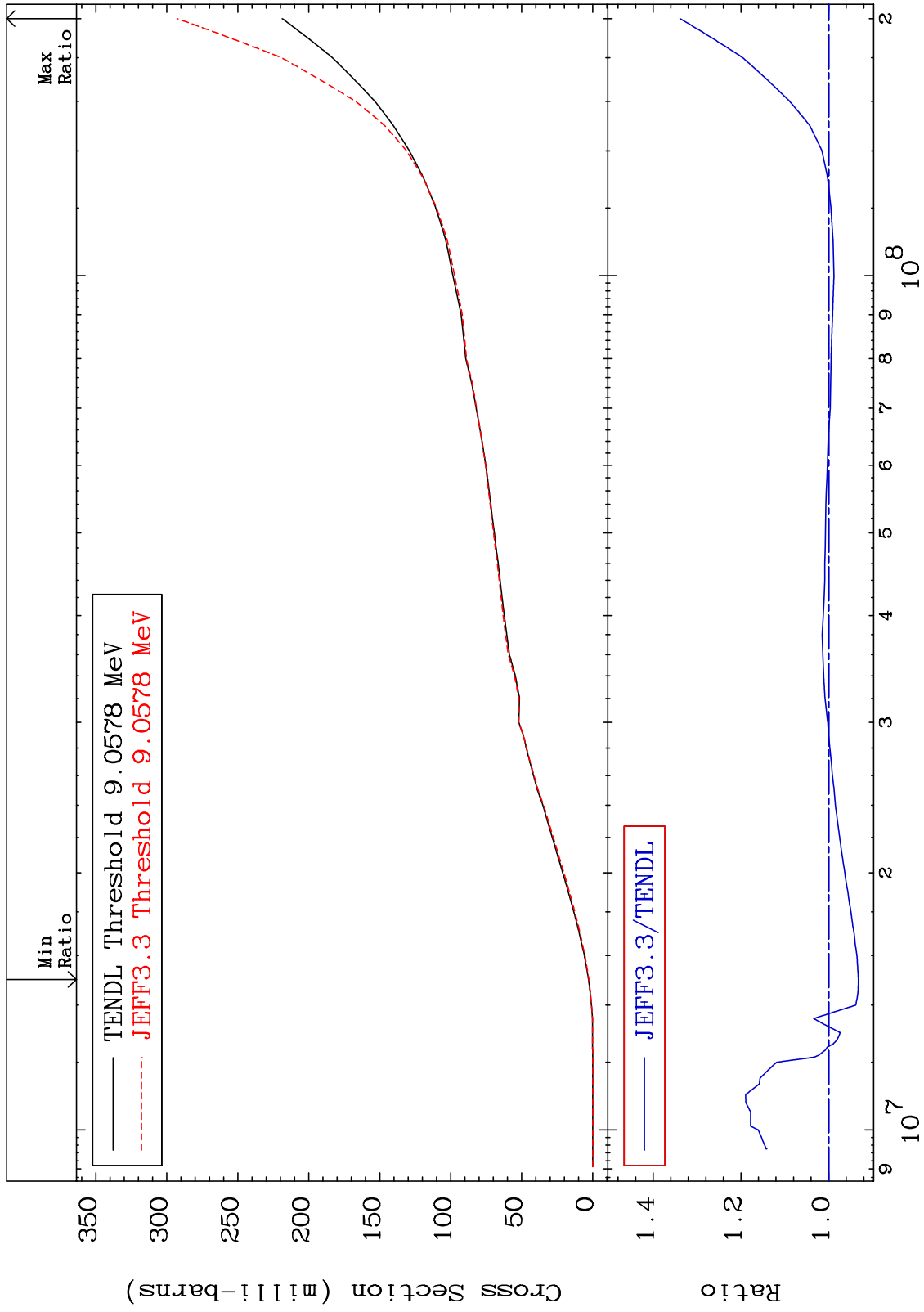
Incident Energy (eV)

28-Ni-62

MAT 2837

Deuterium Production
Cross Section

28-Ni-62
-6.783 To 33.88 %



63

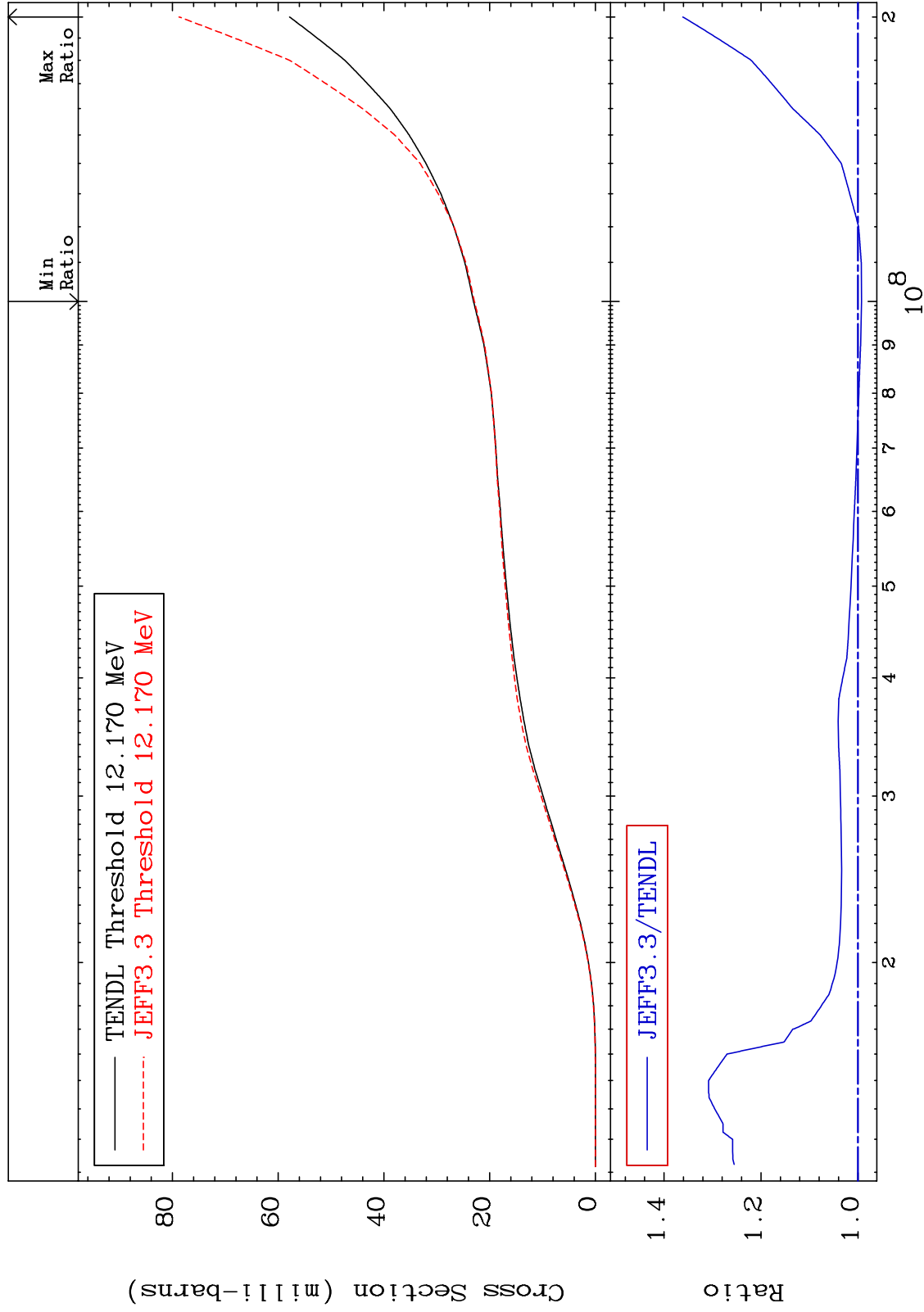
Incident Energy (eV)

28-Ni-62

MAT 2837

Tritium Production
Cross Section

28-Ni-62
-0.748 To 36.11 %



64

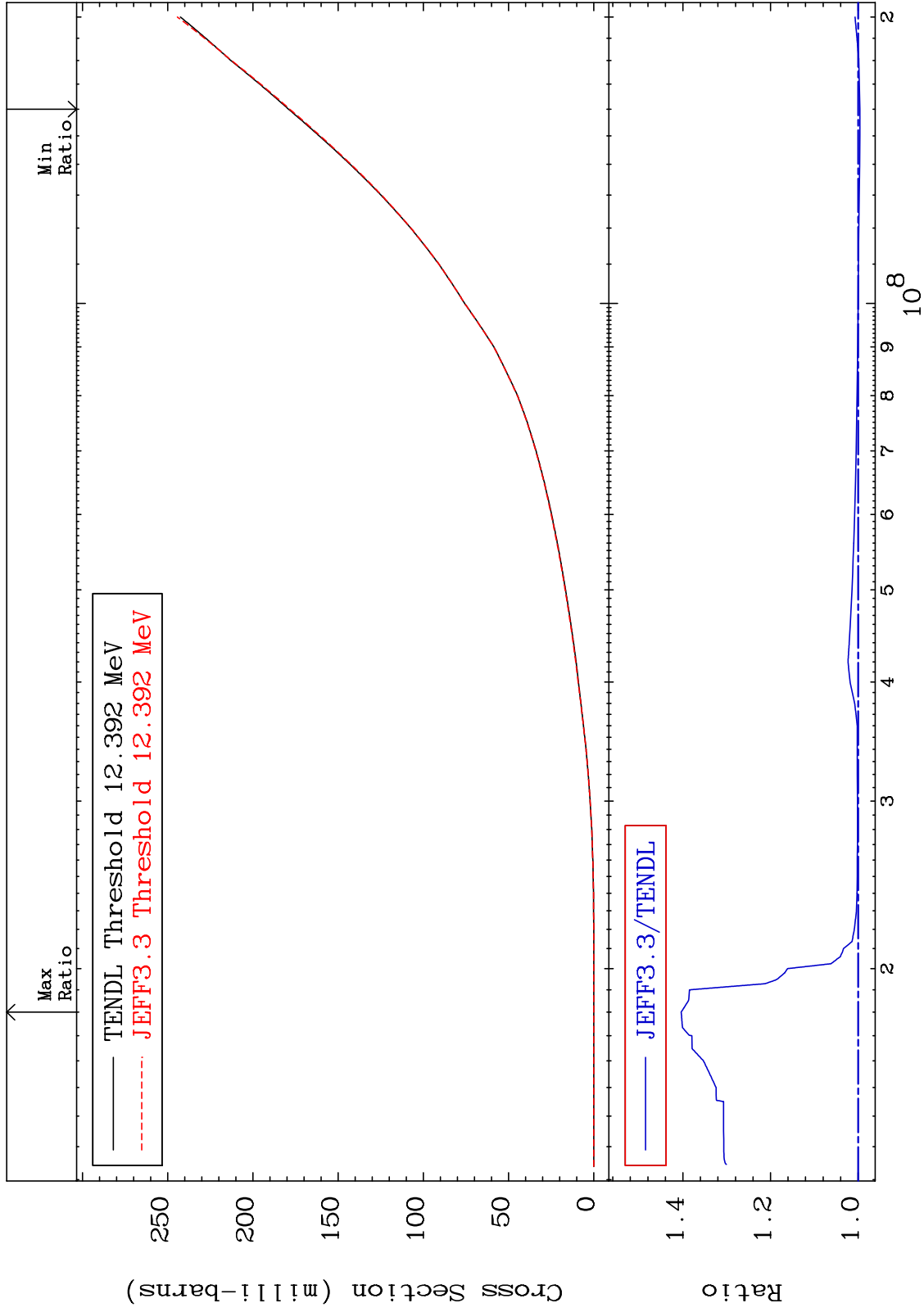
Incident Energy (eV)

28-Ni-62

MAT 2837

He-3 Production
Cross Section

28-Ni-62
-0.406 To 40.39 %



65

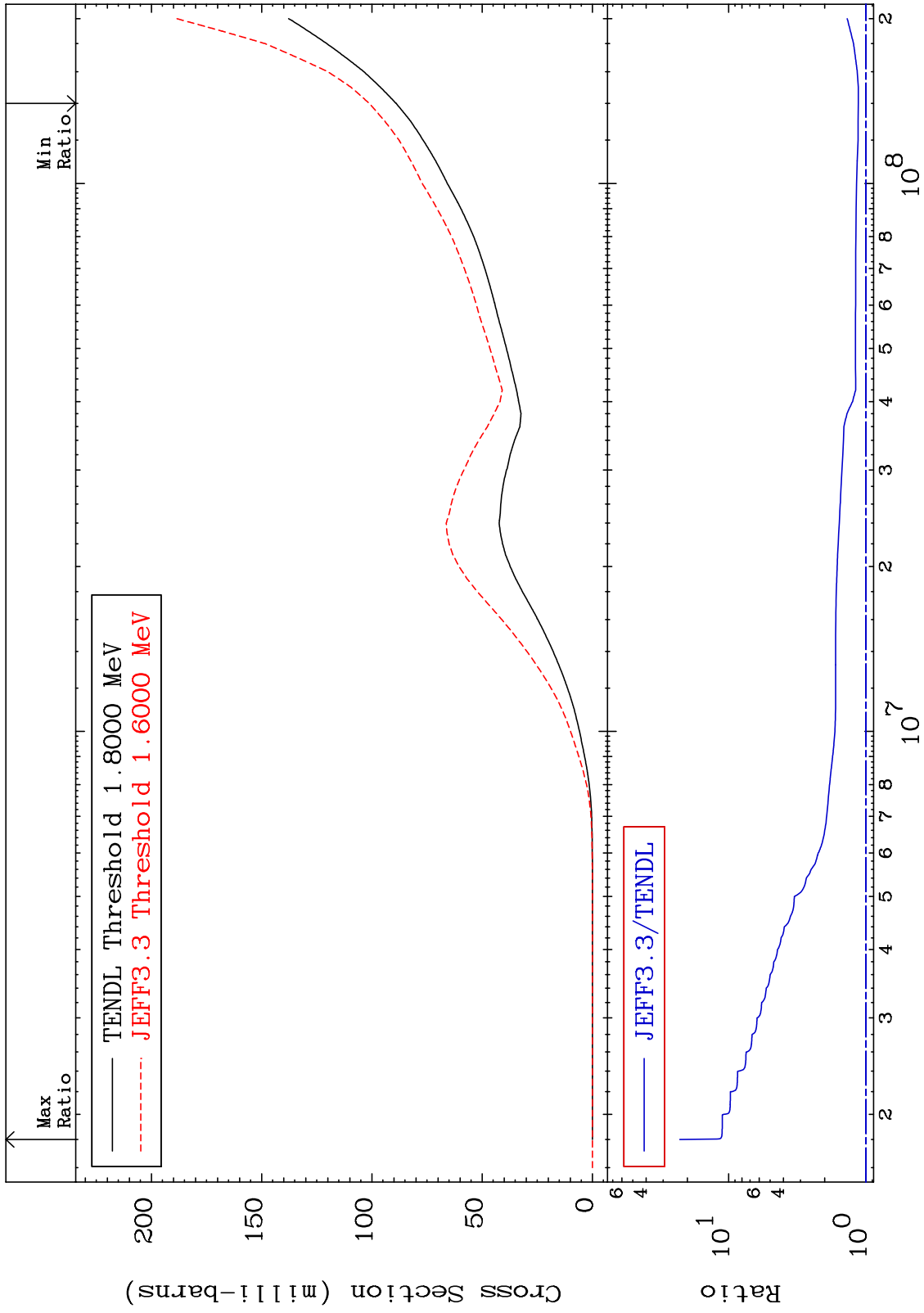
Incident Energy (eV)

28-Ni-62

MAT 2837

He-4 Production
Cross Section

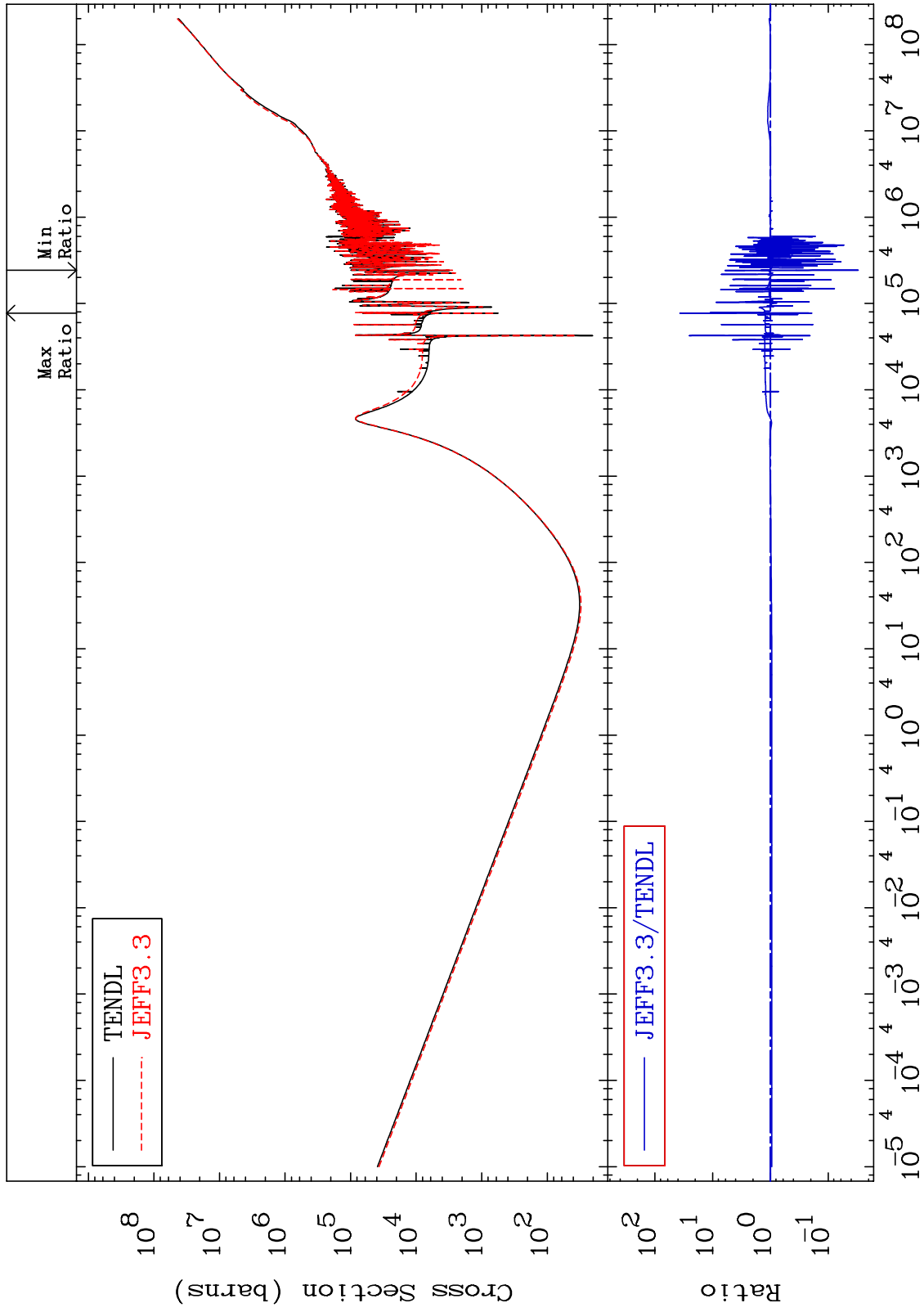
28-Ni-62
13.68 To 2171. %



MAT 2837

Kerma total (eV-barns)
Cross Section

28-Ni-62
-97.01 To 3575. %



67

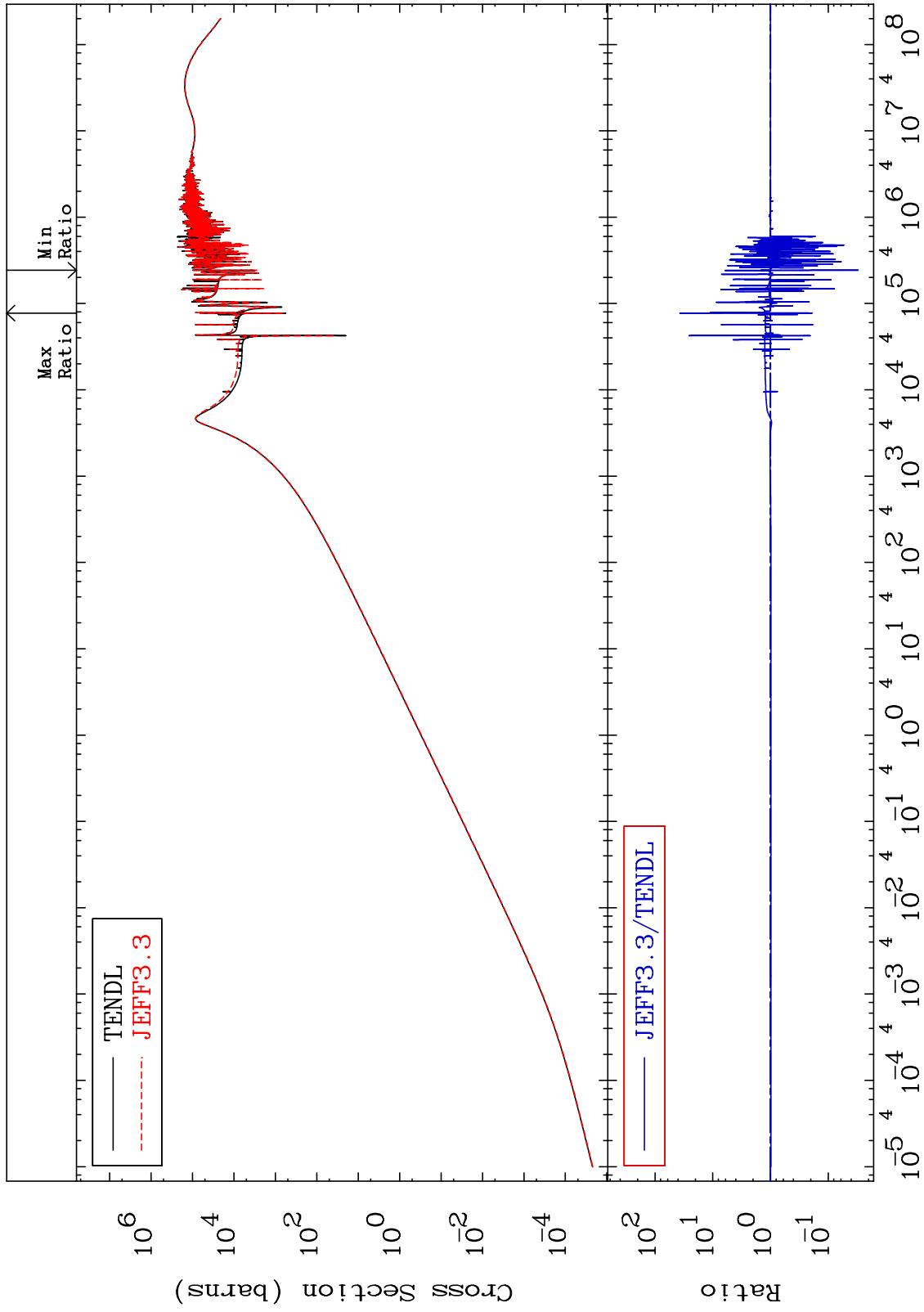
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.01 To 3589. %



68

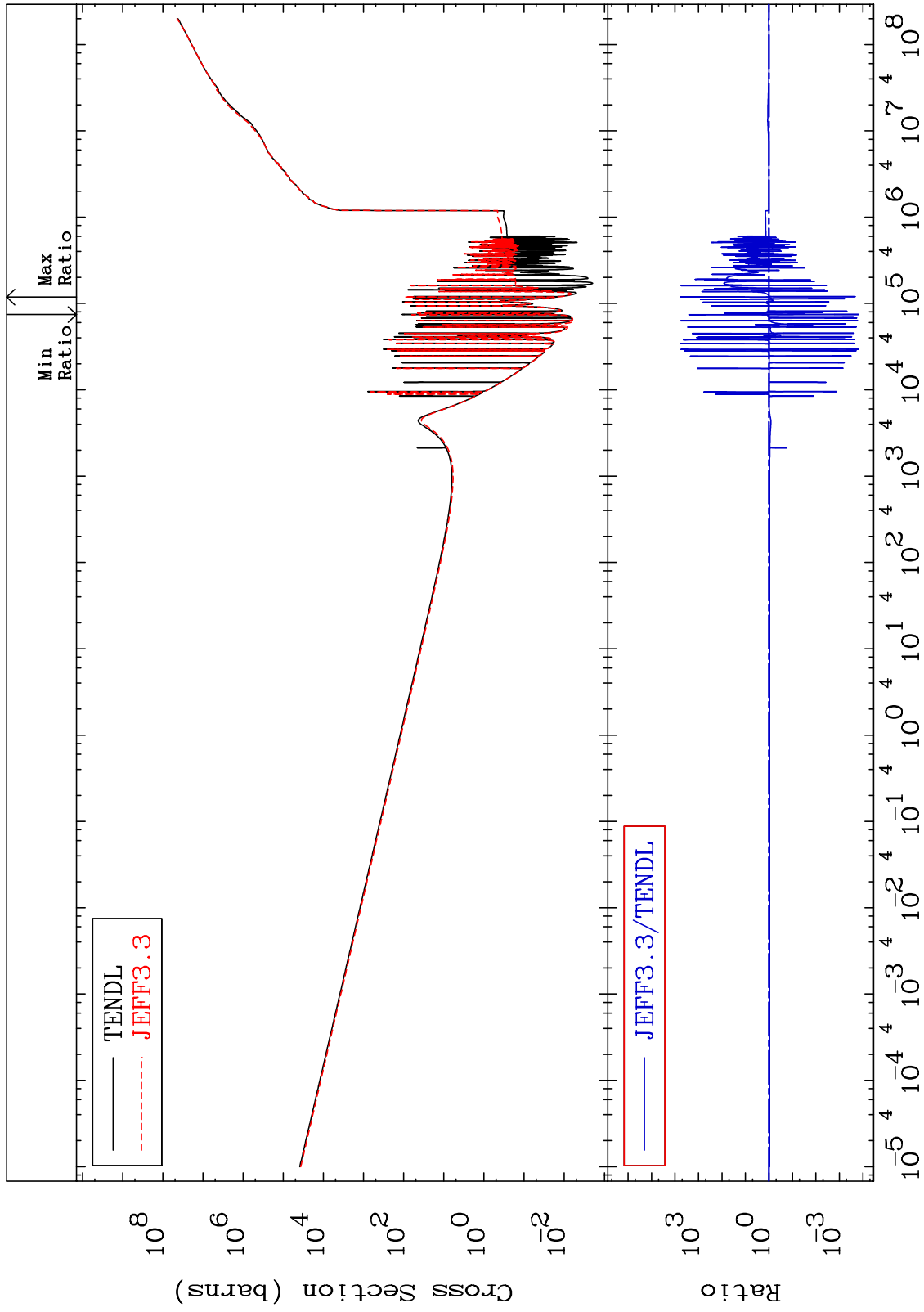
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma non-elastic (all but mt2)
Cross Section

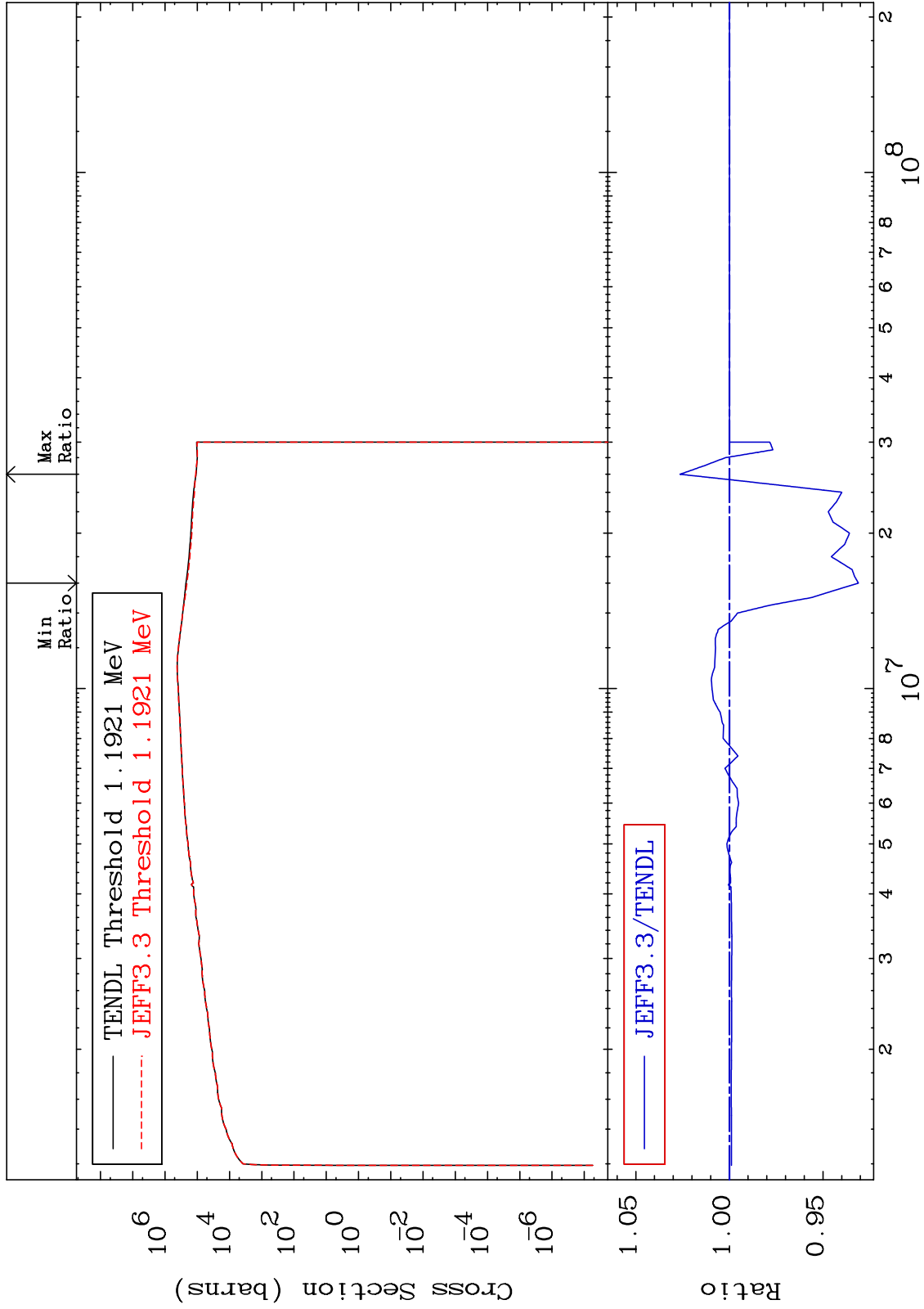
28-Ni-62
-99.98 To 9999. %



MAT 2837

Kerma inelastic (mt51-91)
Cross Section

28-Ni-62
-6.892 To 2.637 %



70

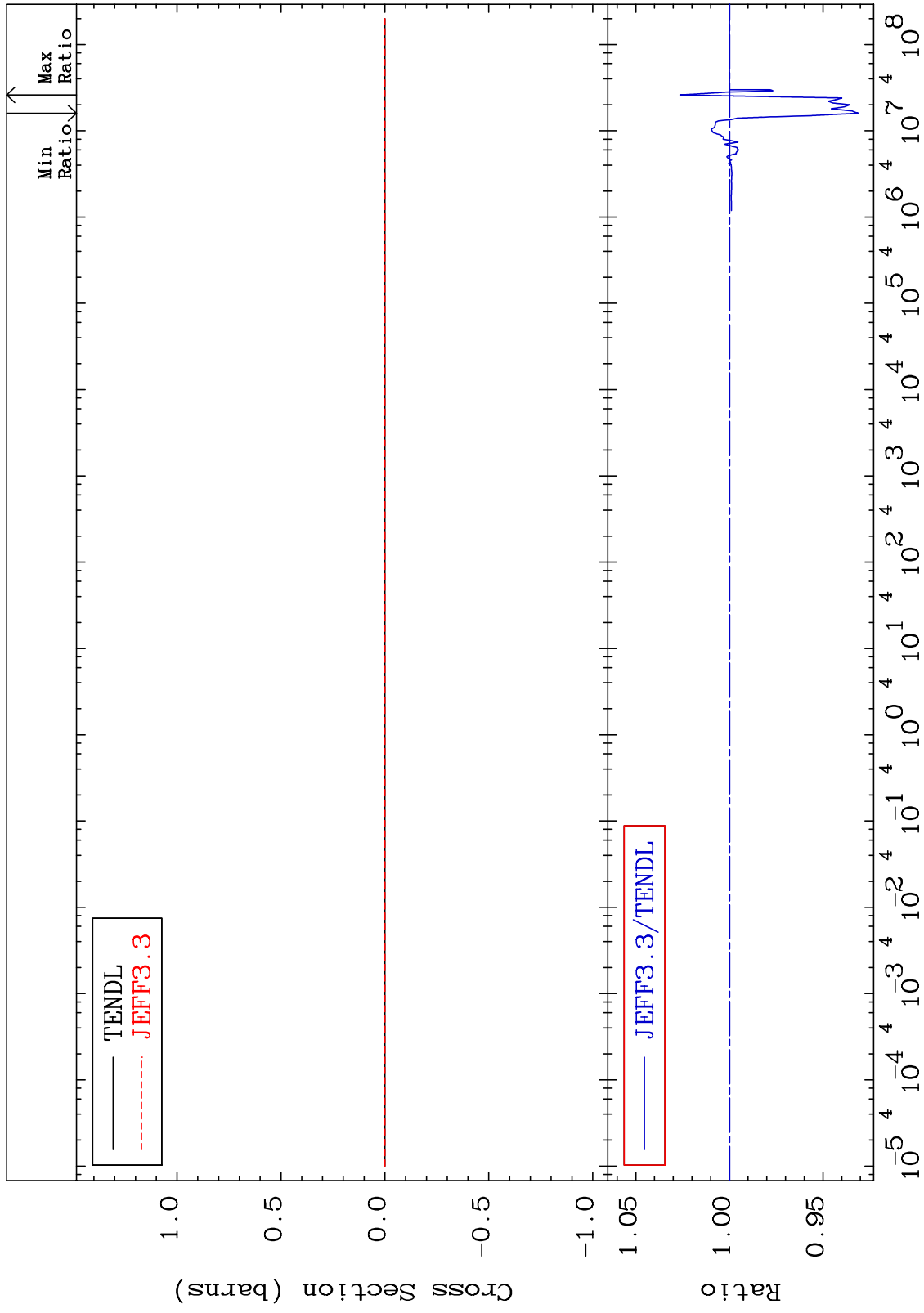
Incident Energy (eV)

28-Ni-62

MAT 2837

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

28-Ni-62
-6.892 To 2.637 %



71

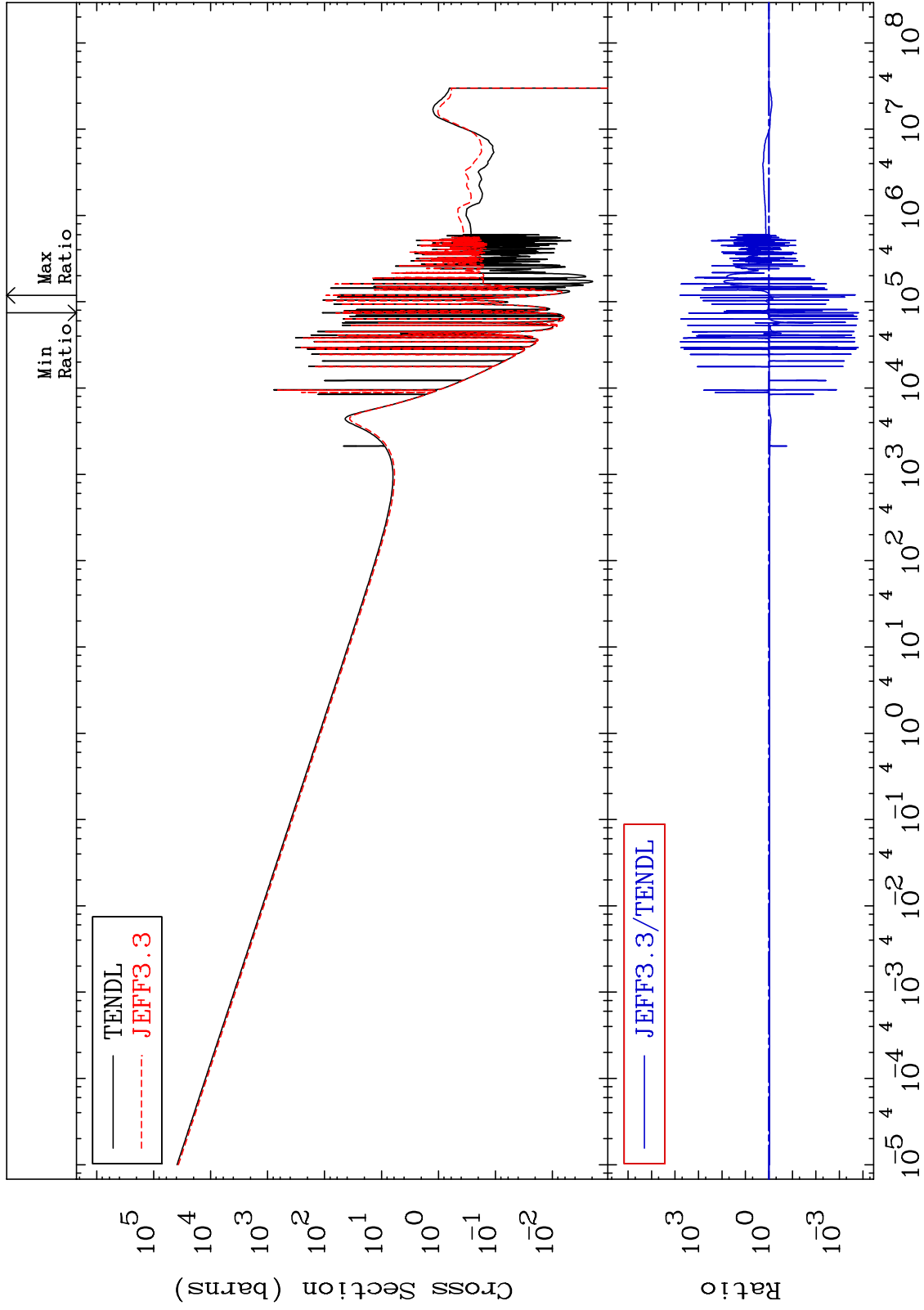
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma capture (mt102)
Cross Section

28-Ni-62
-99.98 To 9999. %



72

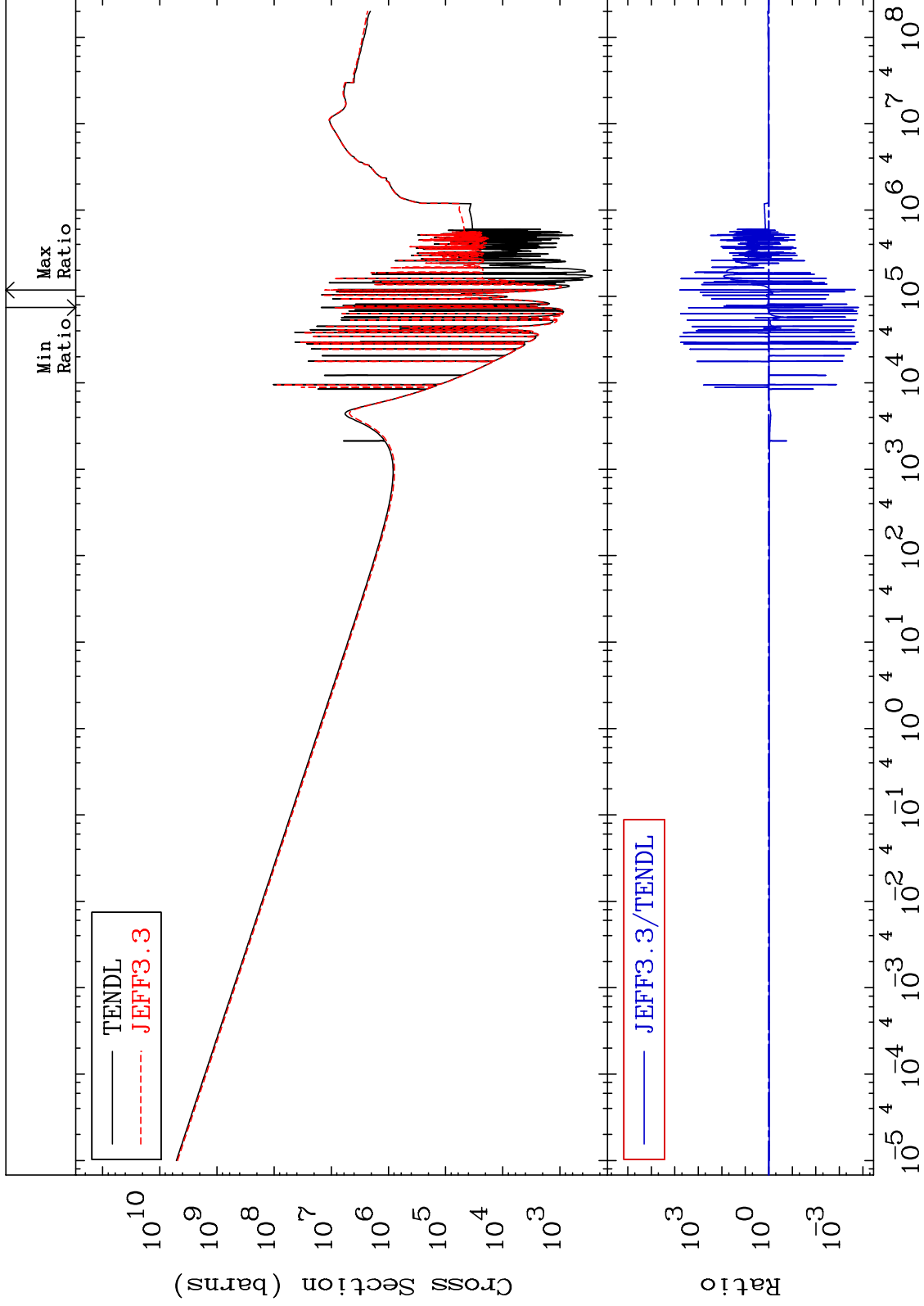
Incident Energy (eV)

28-Ni-62

MAT 2837

Total photon (eV-barns)
Cross Section

28-Ni-62
-99.98 To 9999. %



73

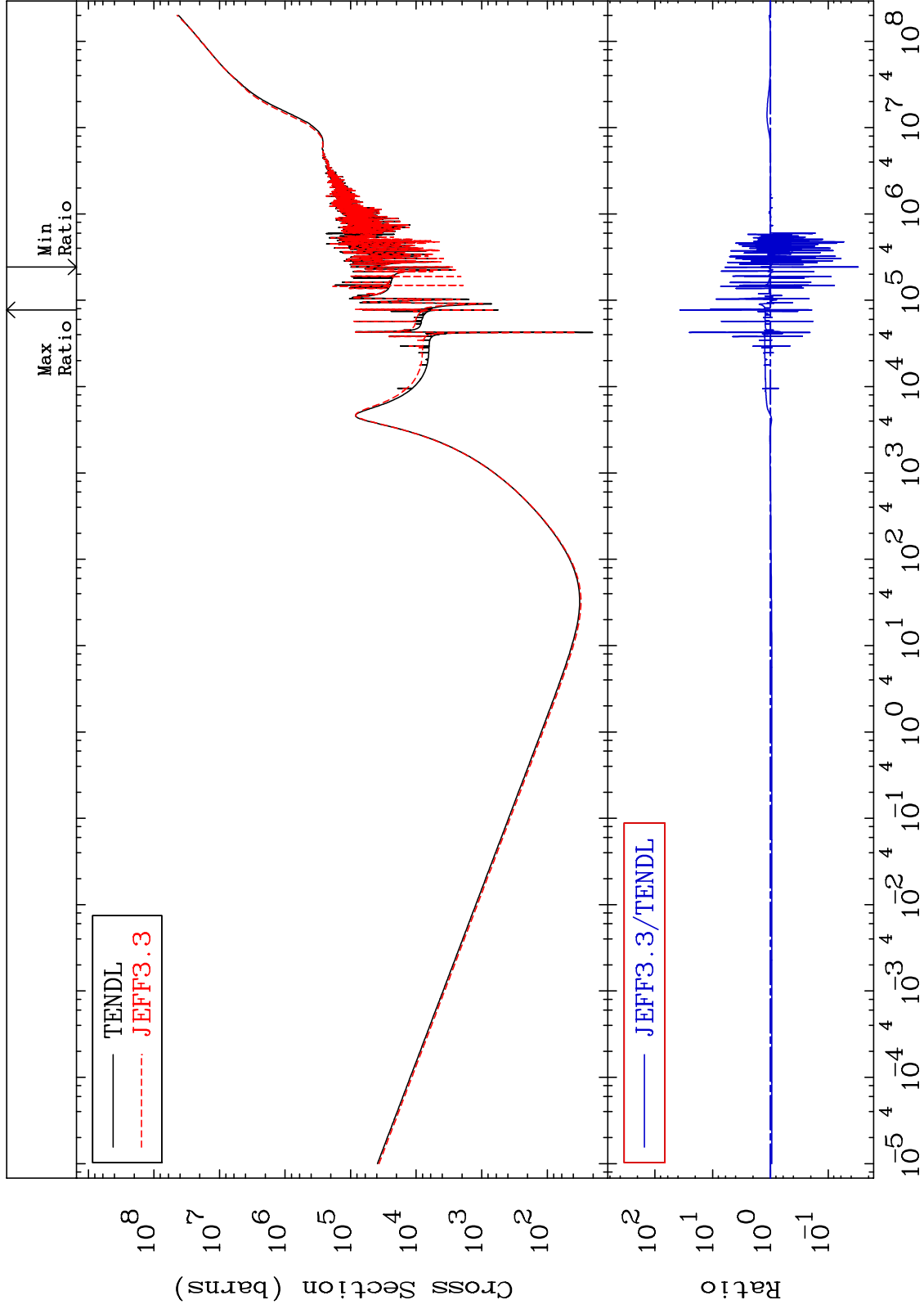
Incident Energy (eV)

28-Ni-62

MAT 2837

Total kinematic kerma (high limit)
Cross Section

28-Ni-62
-97.01 To 3575. %



74

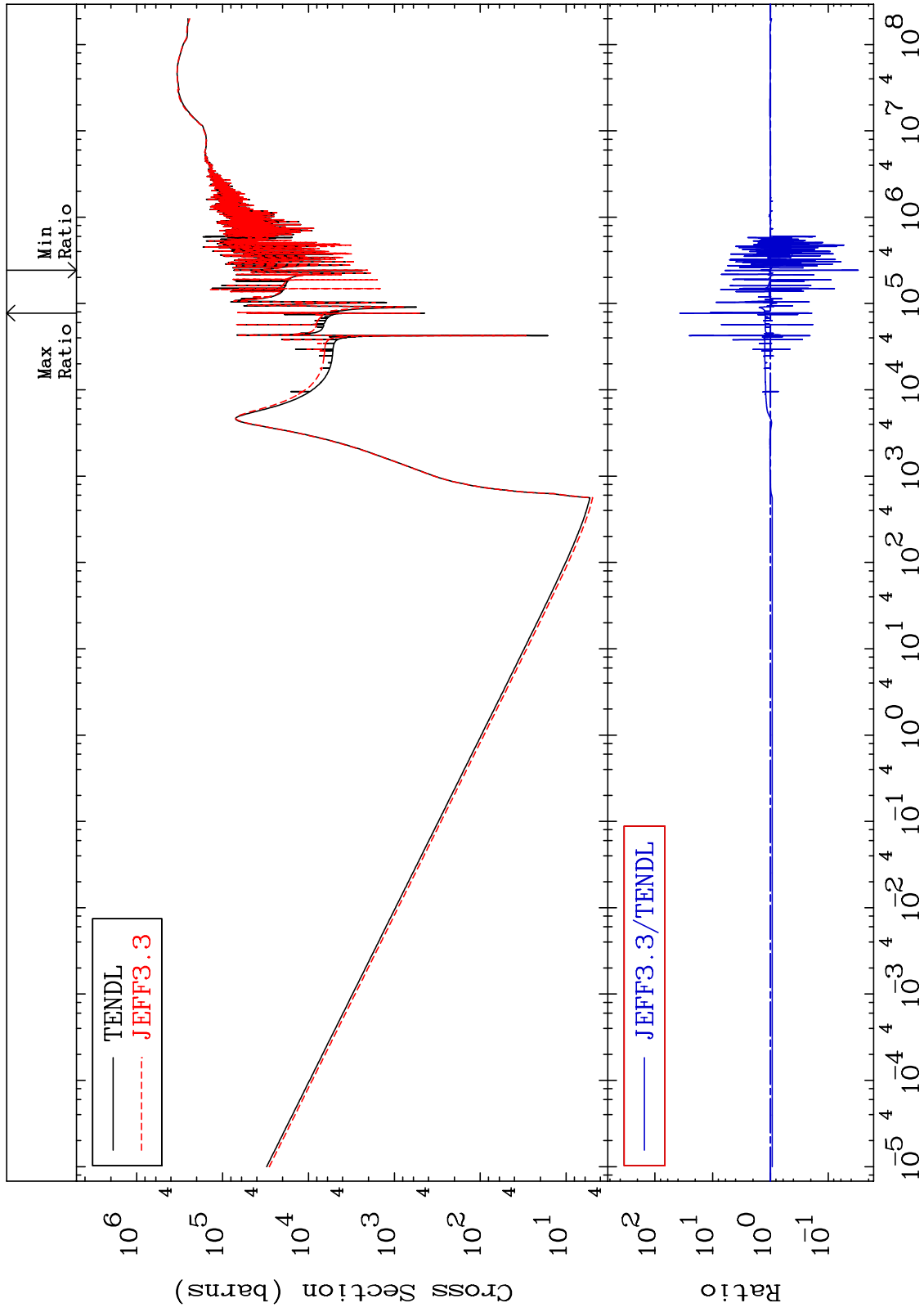
Incident Energy (eV)

28-Ni-62

MAT 2837

Dpa total (eV-barns)
Cross Section

28-Ni-62
-97.01 To 3575. %



75

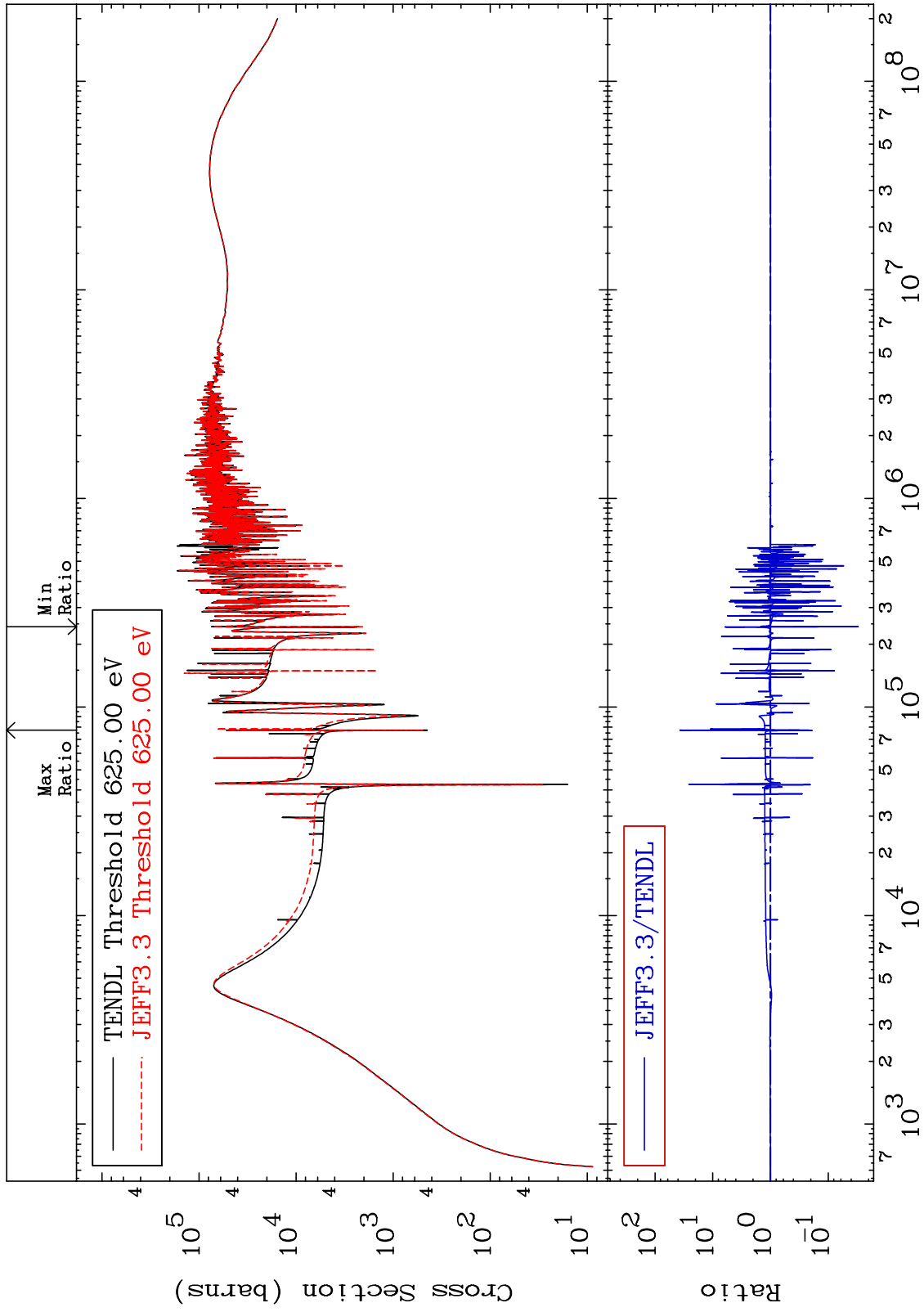
Incident Energy (eV)

28-Ni-62

MAT 2837

Dpa elastic (mt2)
Cross Section

28-Ni-62
-97.01 To 3589. %



76

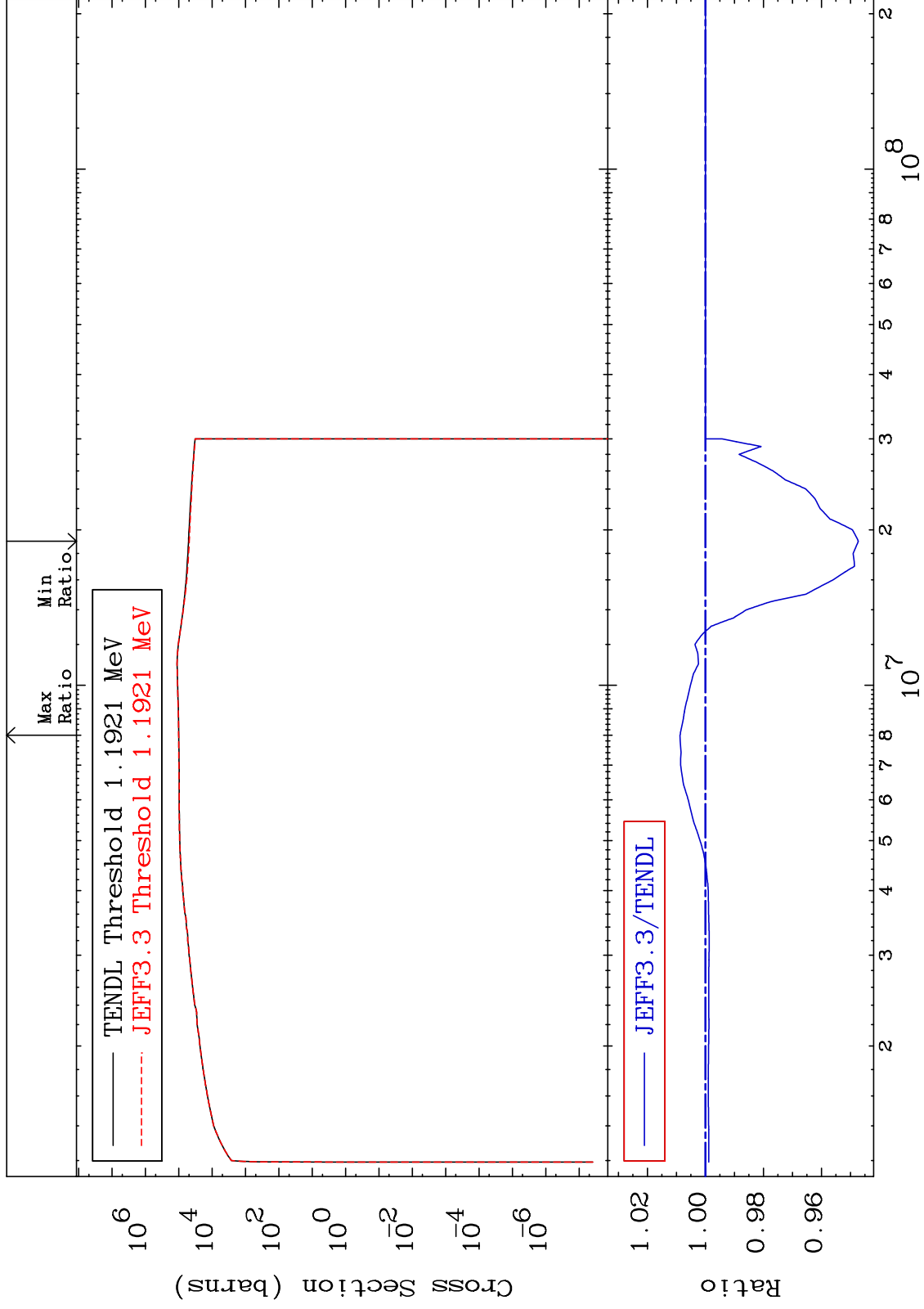
Incident Energy (eV)

28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)
Cross Section

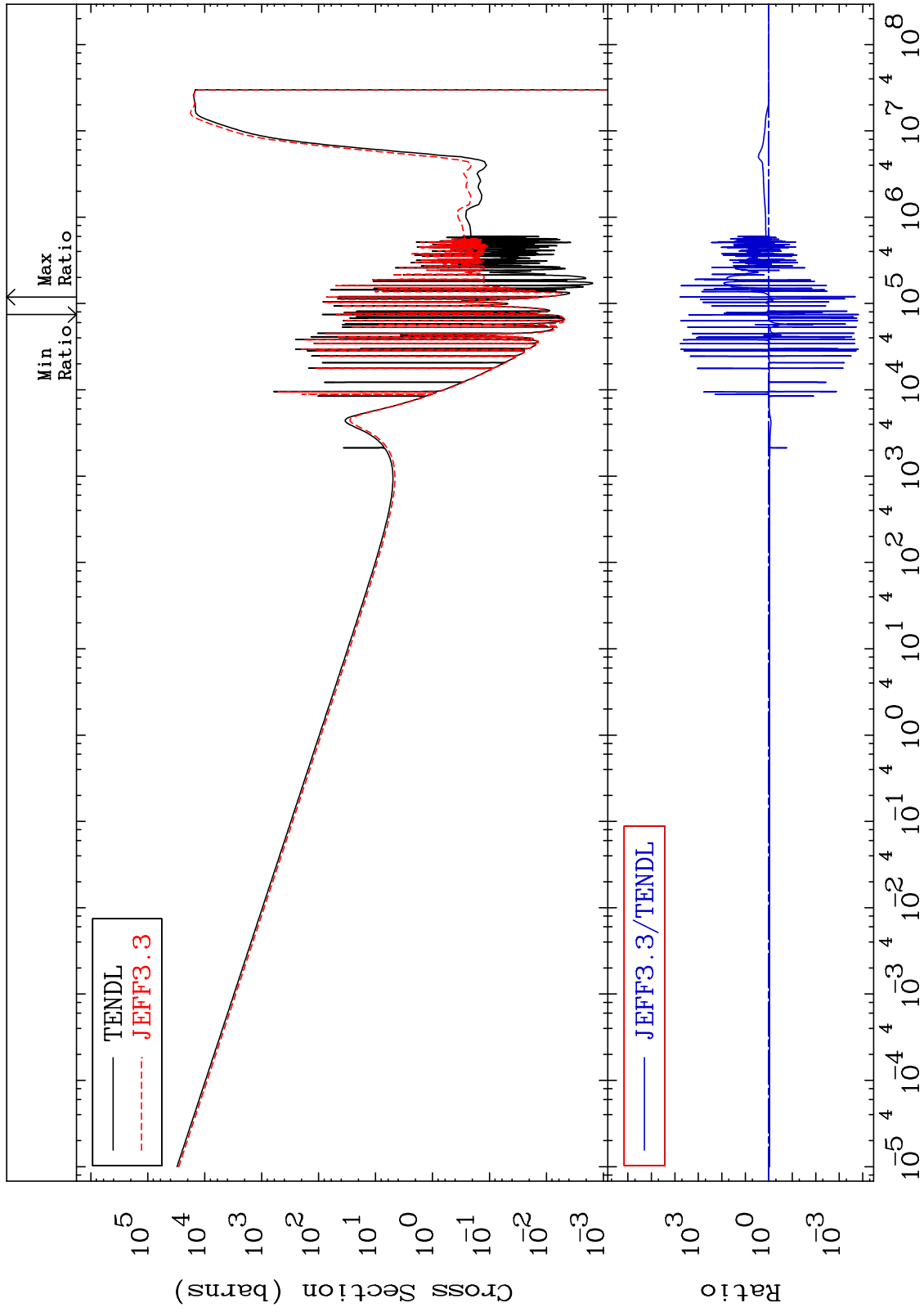
28-Ni-62
-5.274 To 0.875 %



MAT 2837

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-62
-99.98 To 9999. %



78

Incident Energy (eV)

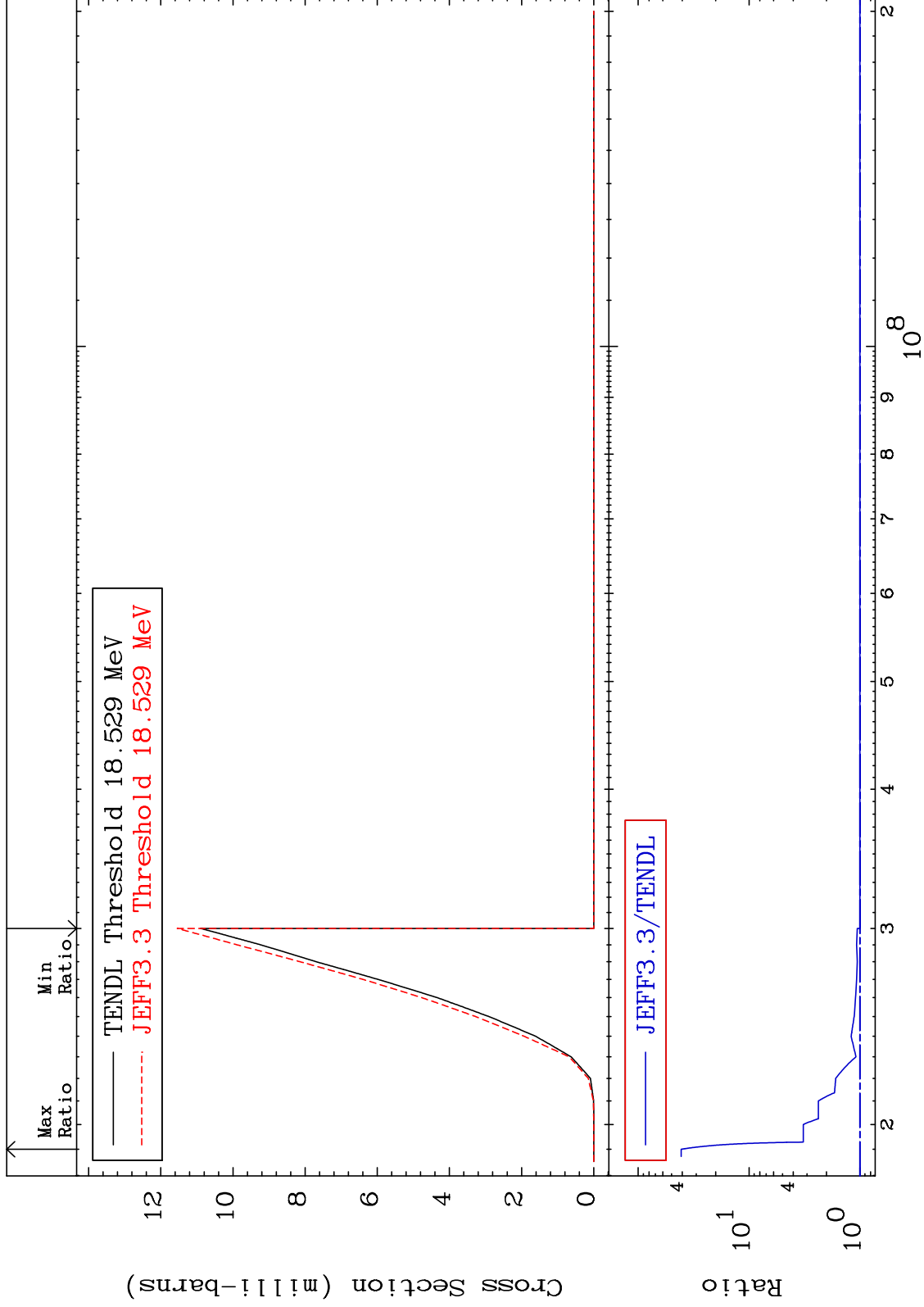
28-Ni-62

MAT 2837

(n, n') d:27-Co-60g

28-Ni-62

Radionuclide Production Cross Section 0.000 To 3991. %



79

Incident Energy (eV)

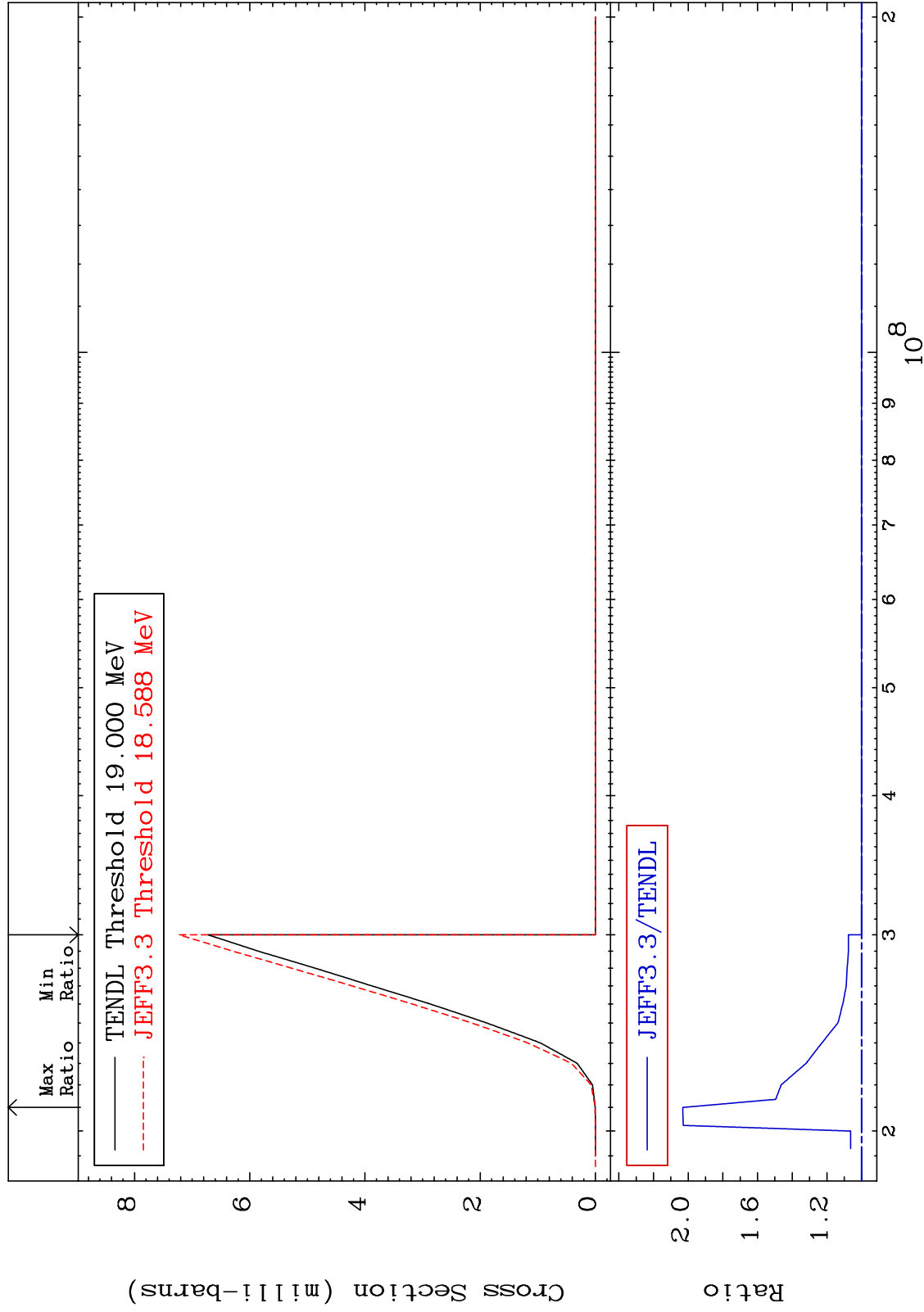
28-Ni-62

MAT 2837

(n, n') d:27-Co-60m1

28-Ni-62

Radionuclide Production Cross Section 0.000 To 103.1 %

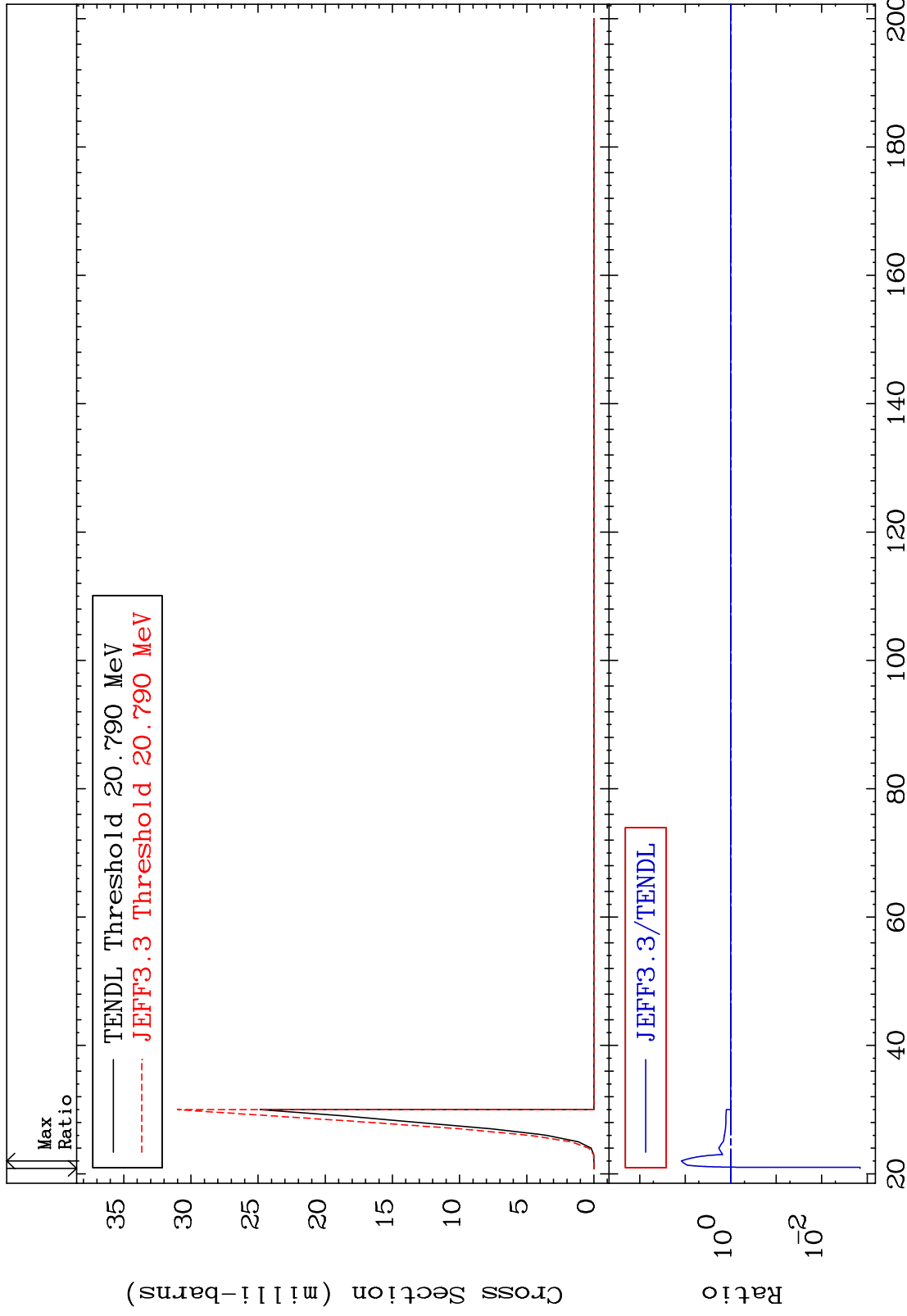


MAT 2837

(n,2n) p:27-Co-60g

28-Ni-62

Radionuclide Production Cross Section -99.86 To 1113. %



81

Incident Energy (MeV)

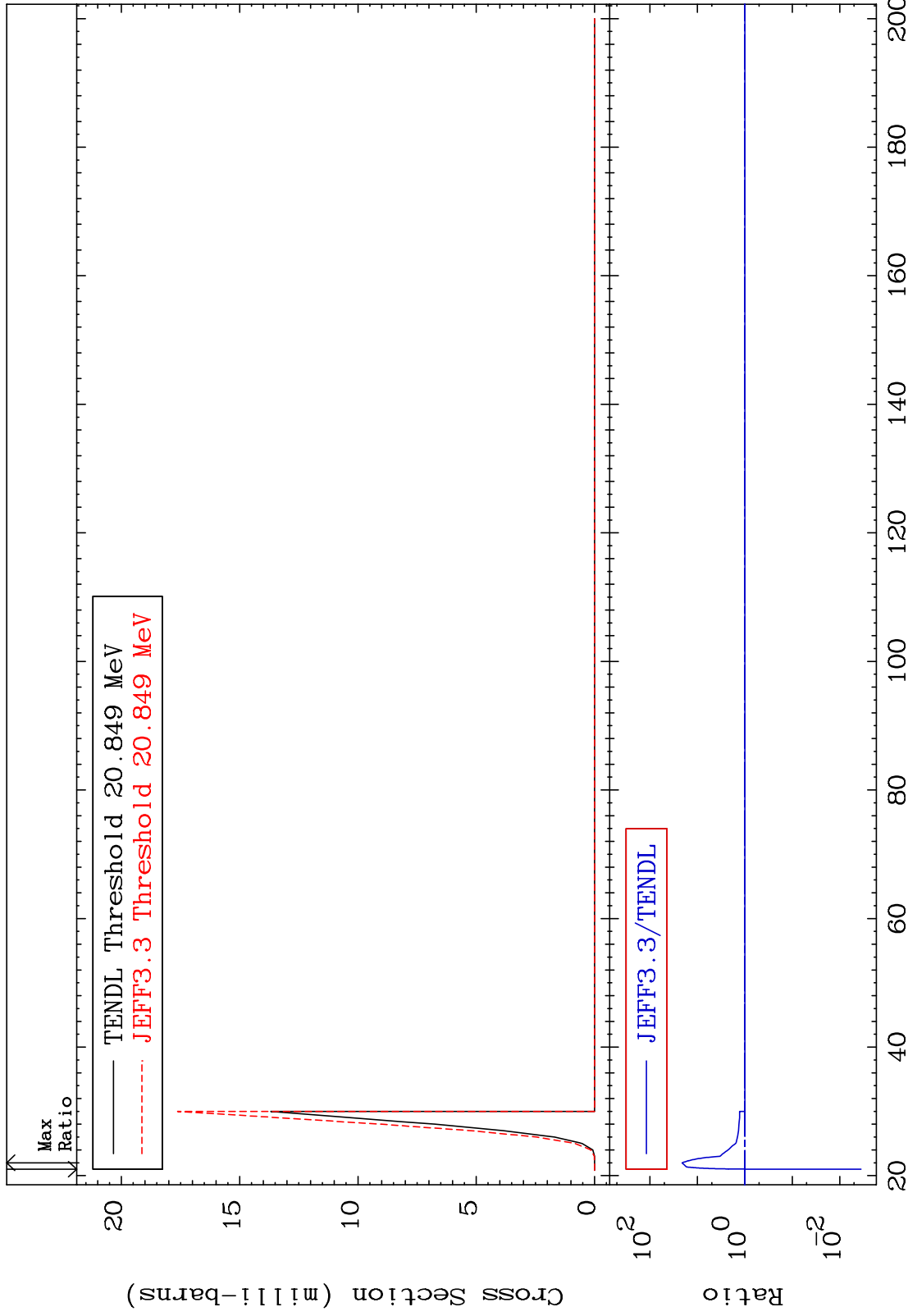
28-Ni-62

MAT 2837

(n,2n) p:27-Co-60m1

28-Ni-62

Radionuclide Production Cross Section -99.64 To 2002. %



82

Incident Energy (MeV)

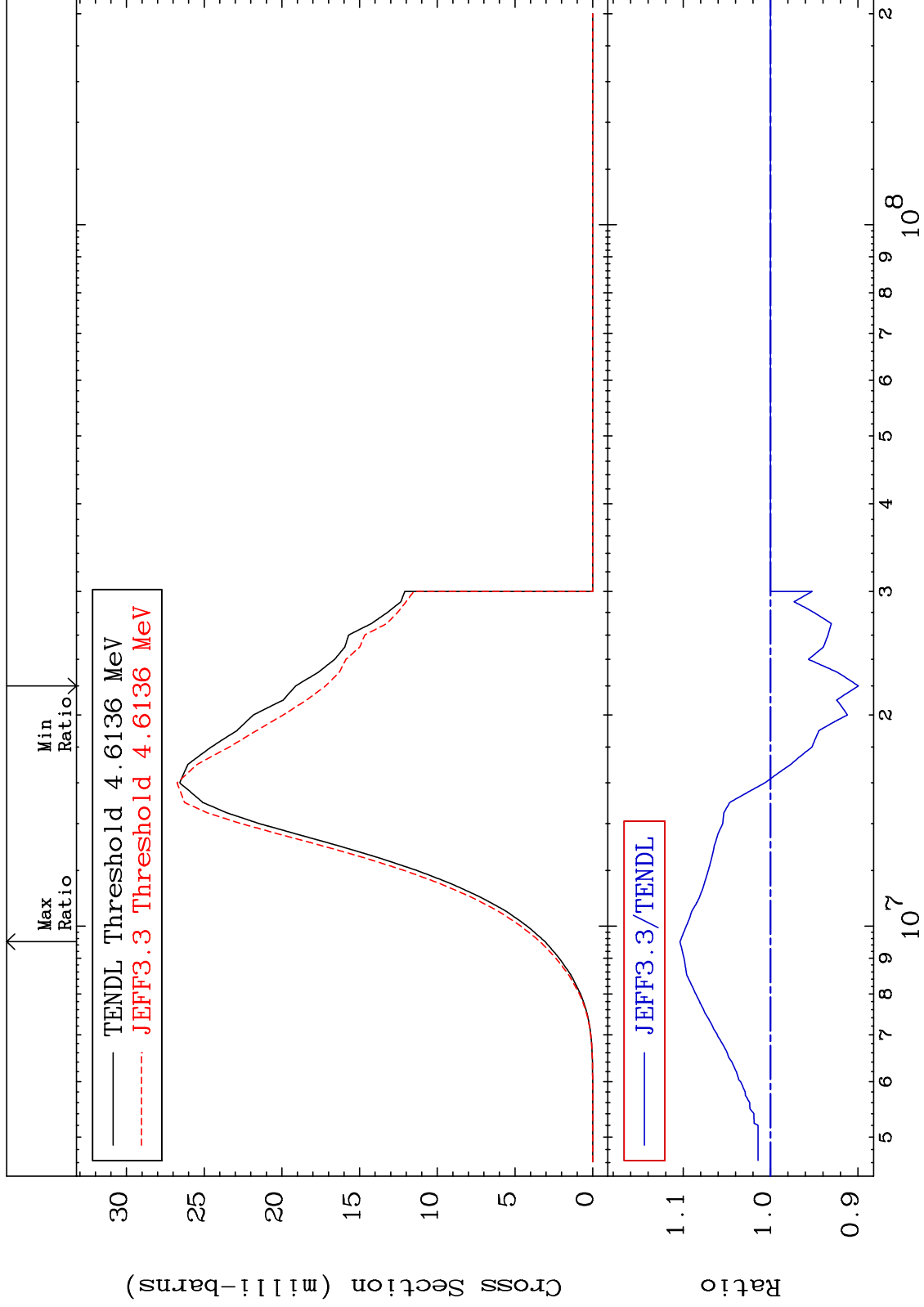
28-Ni-62

MAT 2837

(n,p):27-Co-62g

28-Ni-62

Radionuclide Production Cross Section -10.06 To 10.36 %



83

Incident Energy (eV)

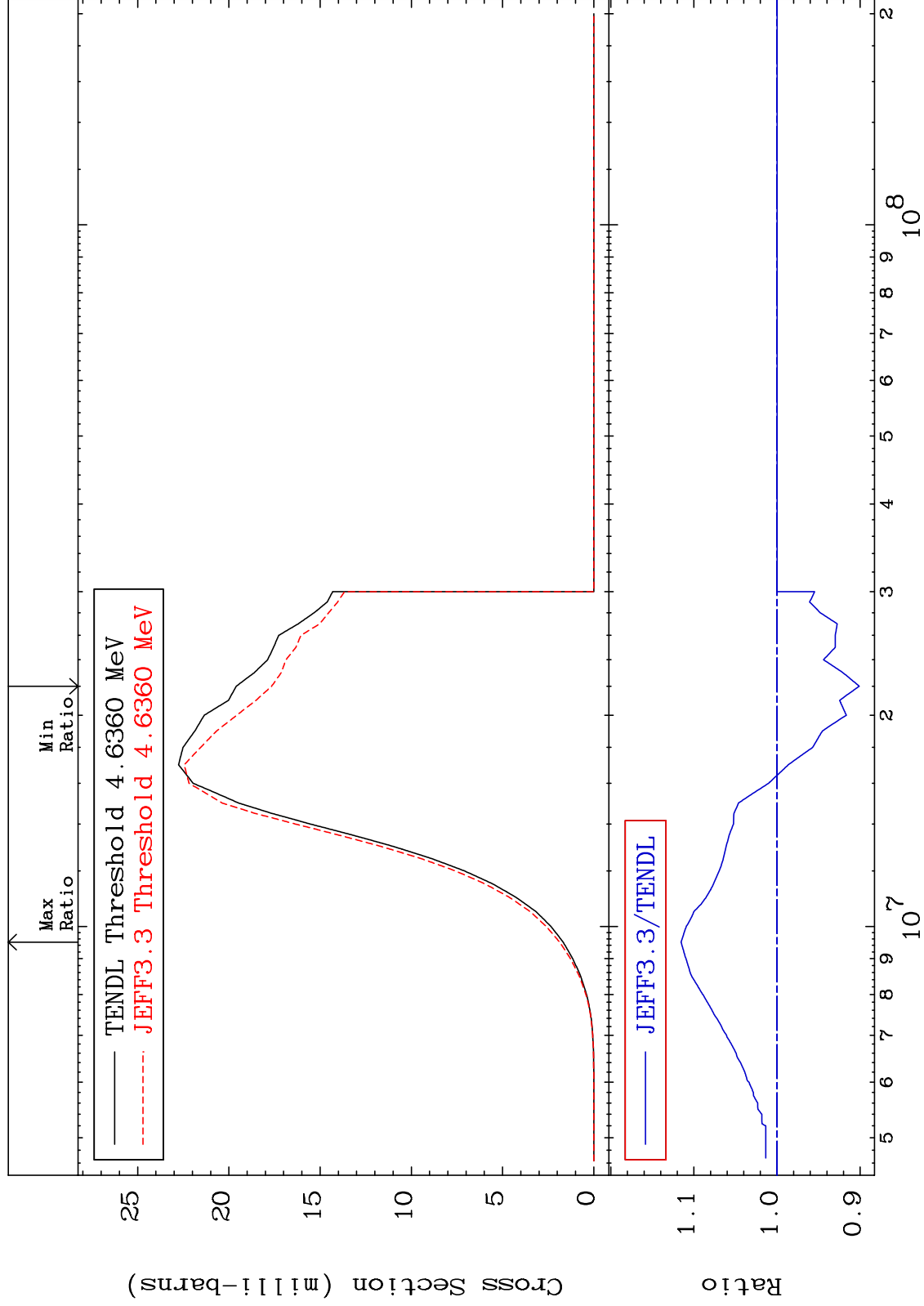
28-Ni-62

MAT 2837

(n,p):27-Co-62m1

28-Ni-62

Radionuclide Production Cross Section -9.898 To 11.55 %

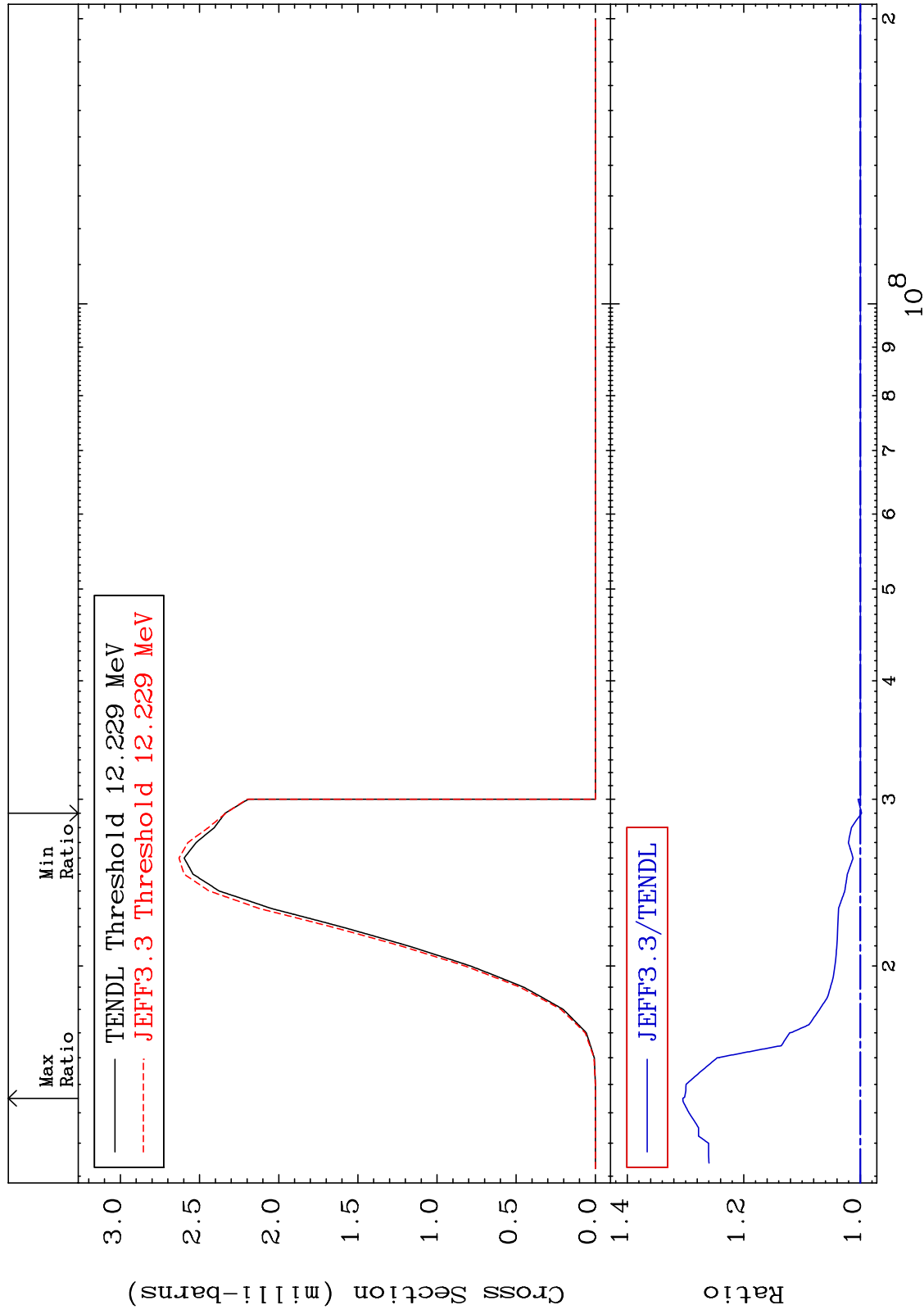


MAT 2837

(n, t): 27-Co-60m1

28-Ni-62

Radionuclide Production Cross Section -0.210 To 30.47 %

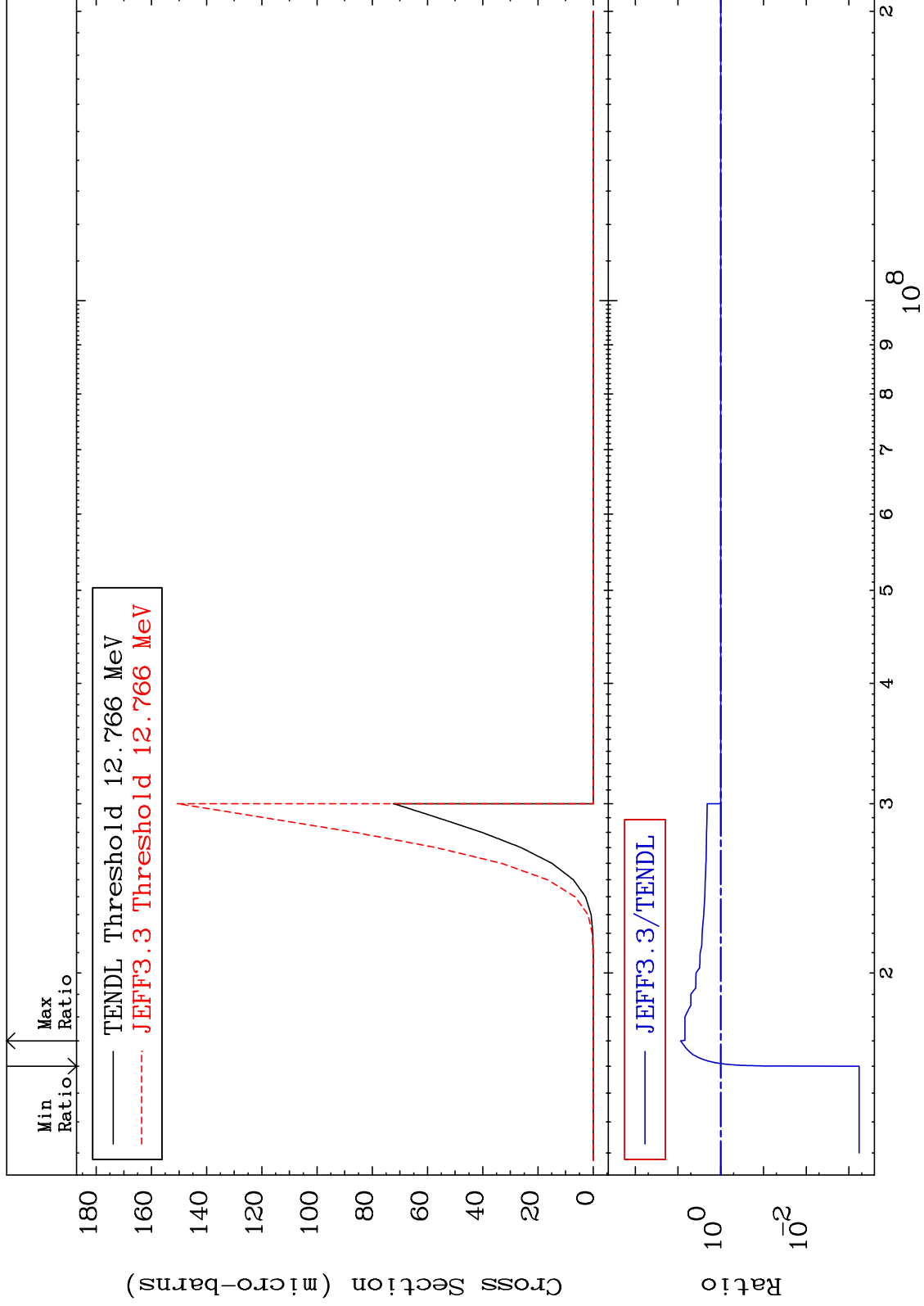


MAT 2837

(n, p) α :25-Mn-58g

28-Ni-62

Radionuclide Production Cross Section -99.94 To 770.1 %



87

Incident Energy (eV)

28-Ni-62

MAT 2837

(n, p) α :25-Mn-58m1

28-Ni-62

Radionuclide Production Cross Section 0.000 To 749.7 %

