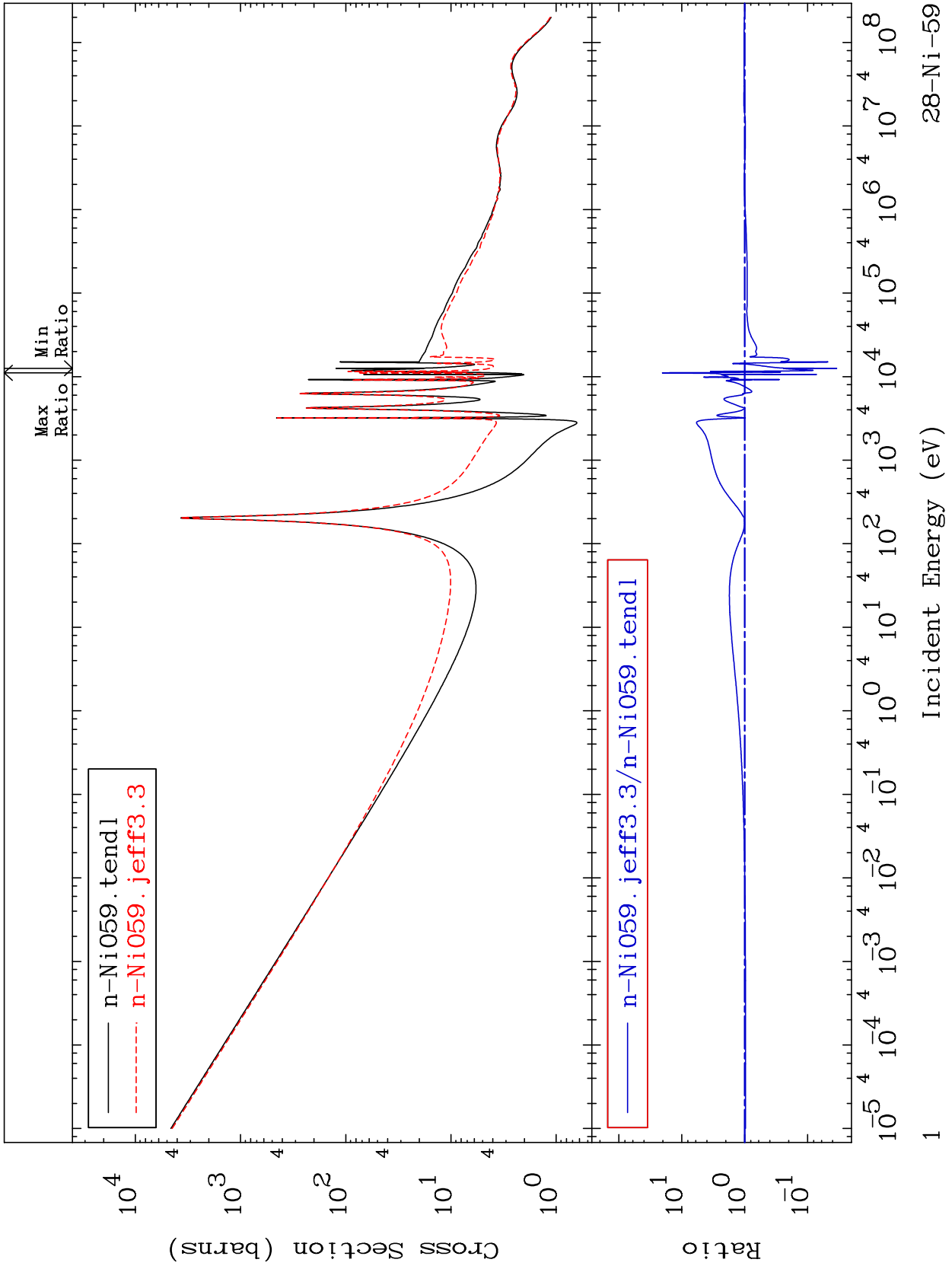


MAT 2828

Total
Cross Section

28-Ni-59
-96.54 To 1941. %

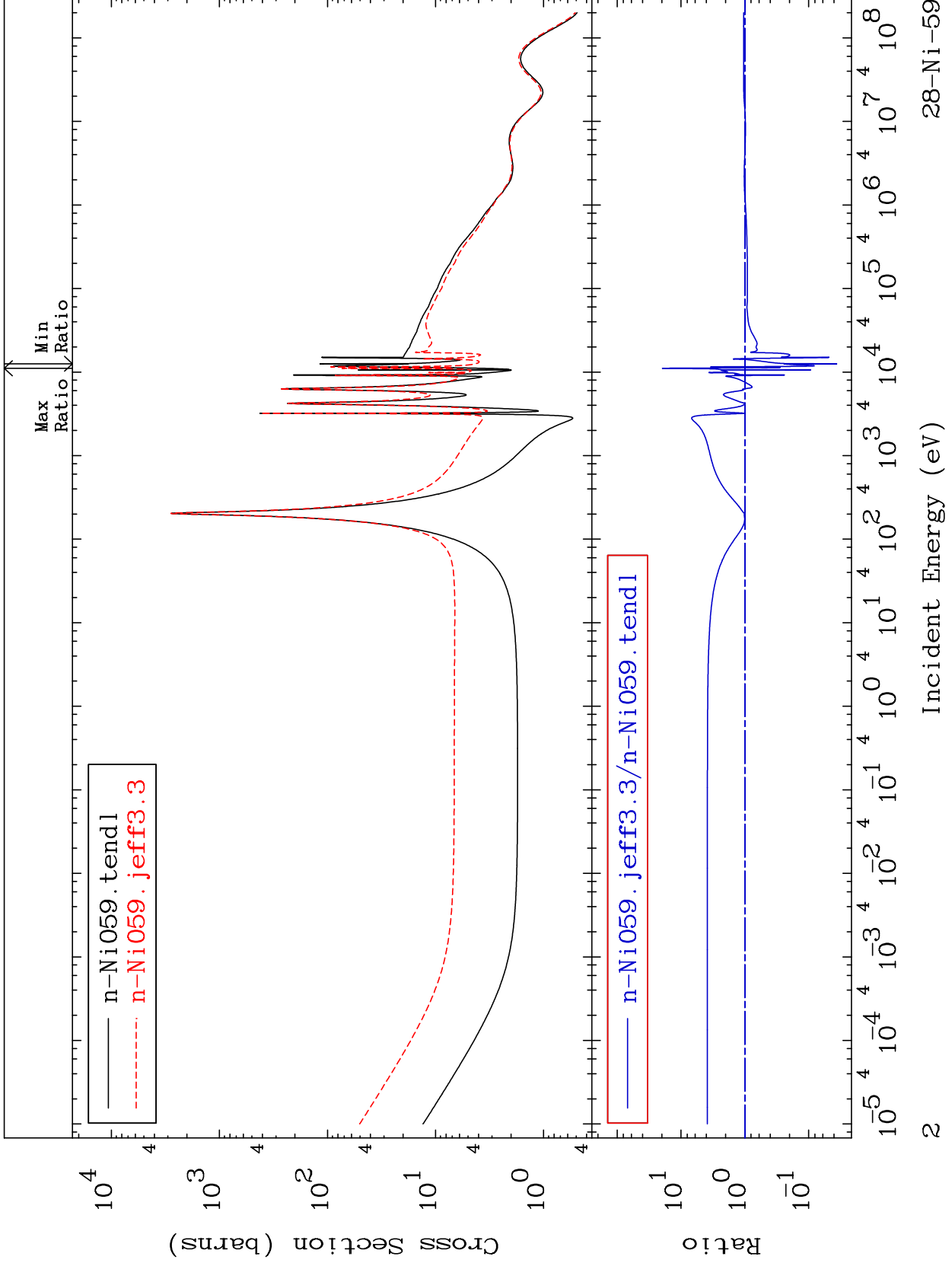


28-Ni-59

MAT 2828

Elastic
Cross Section

28-Ni-59
-96.35 To 1863. %



2

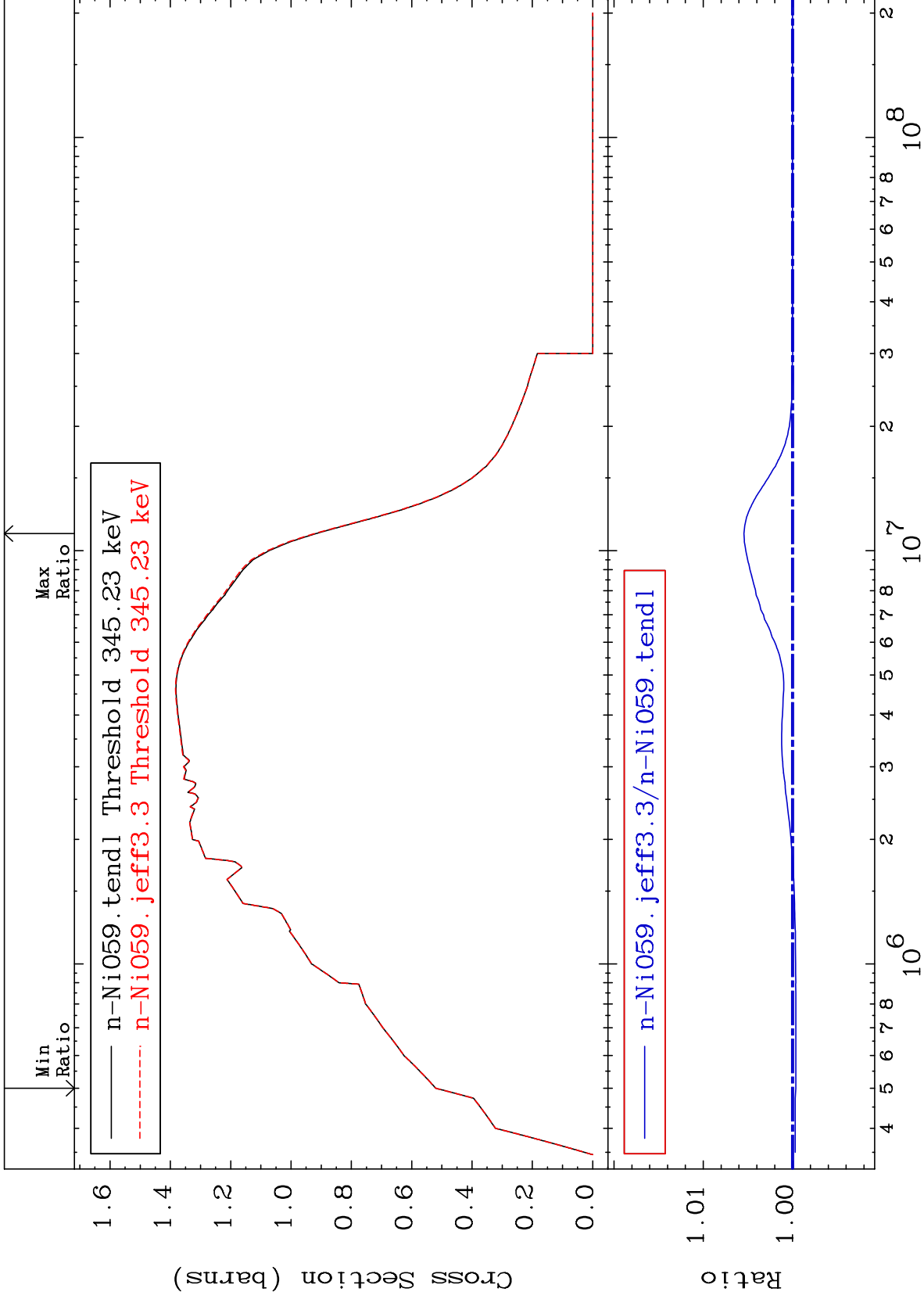
Incident Energy (eV)

28-Ni-59

MAT 2828

Inelastic
Cross Section

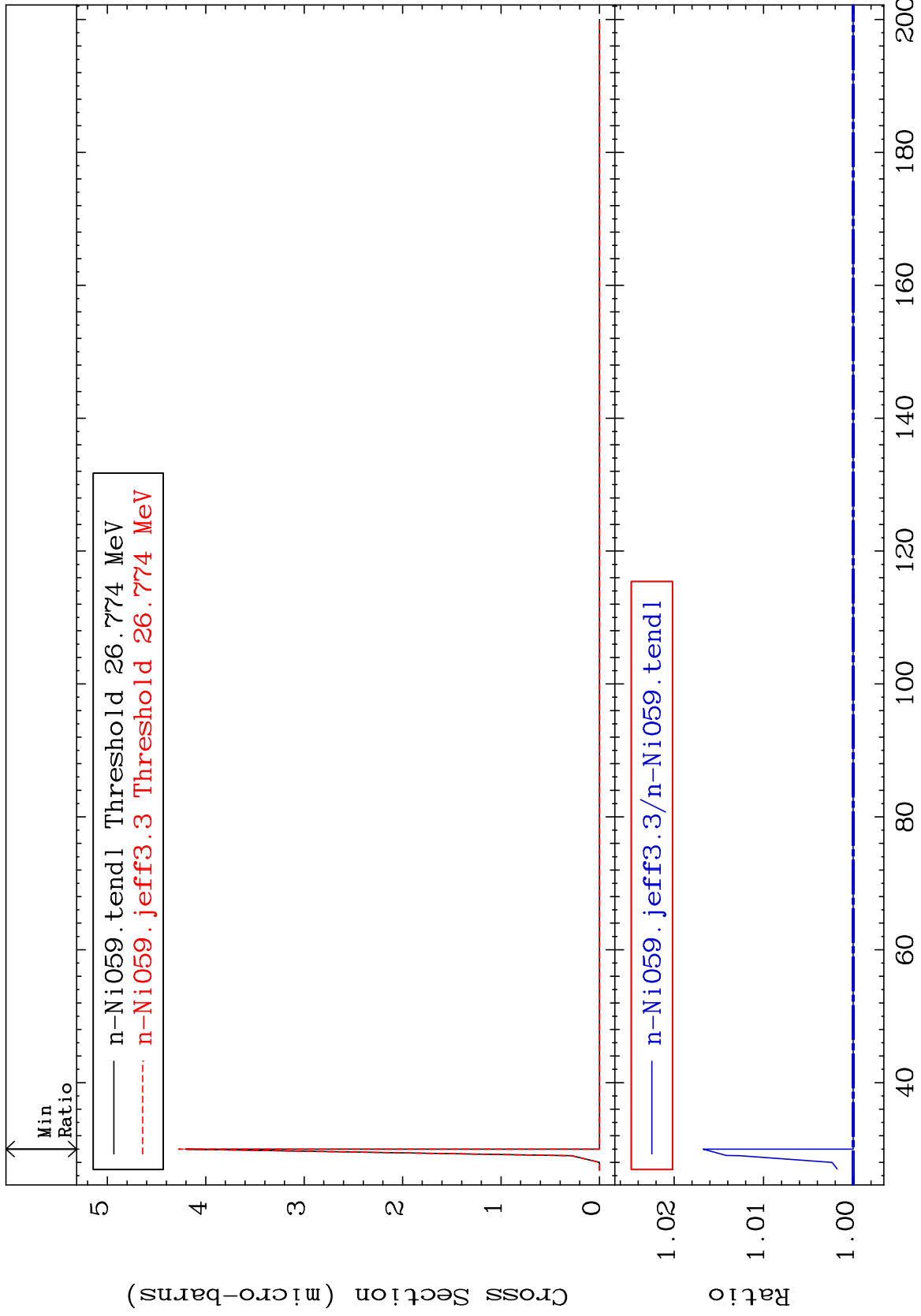
28-Ni-59
-0.036 To 0.545 %



MAT 2828

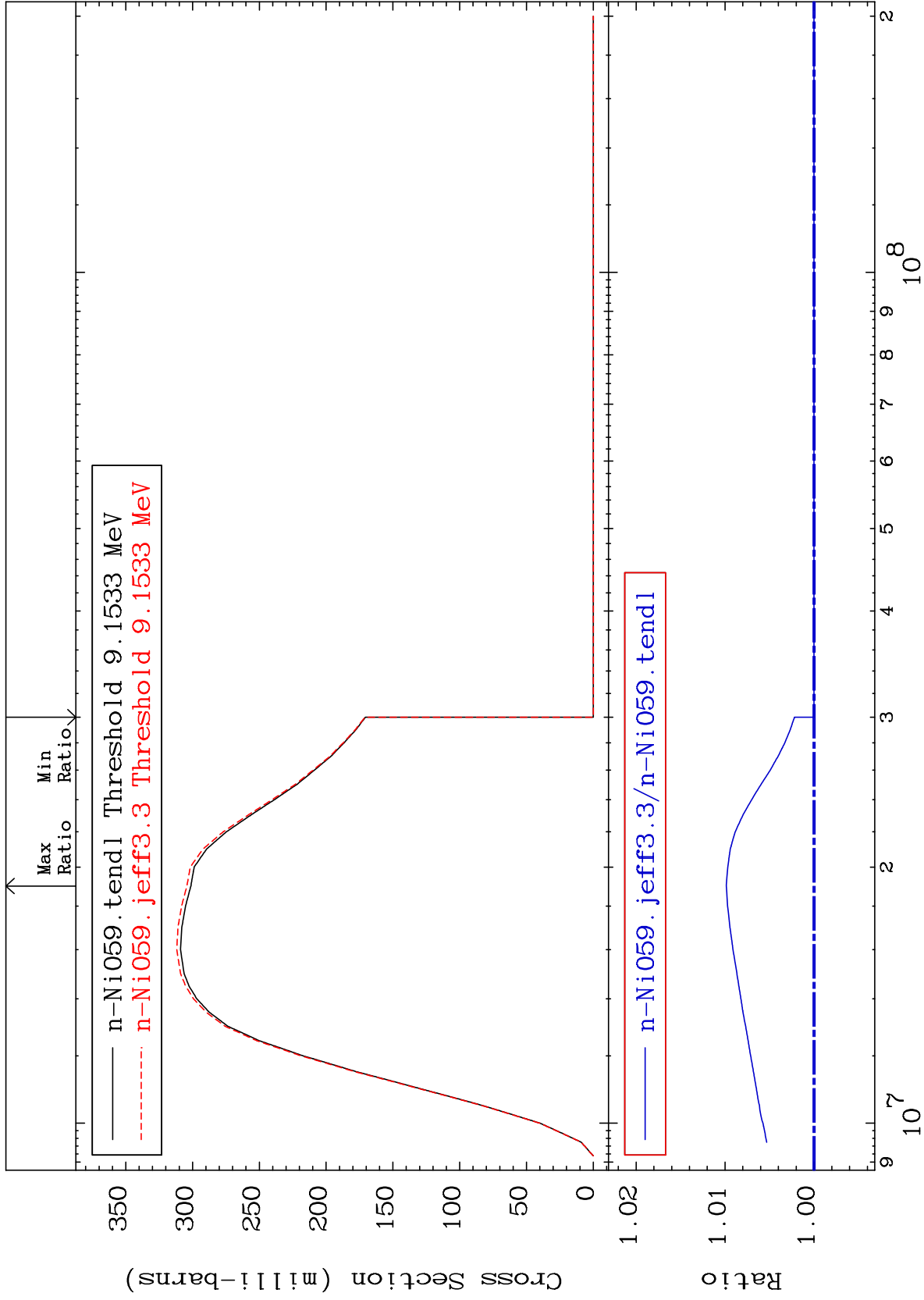
(n,2n) d
Cross Section

28-Ni-59
To 1.675 %
0.000



MAT 2828

(n,2n) Cross Section
28-Ni-59 To 0.986 %



28-Ni-59

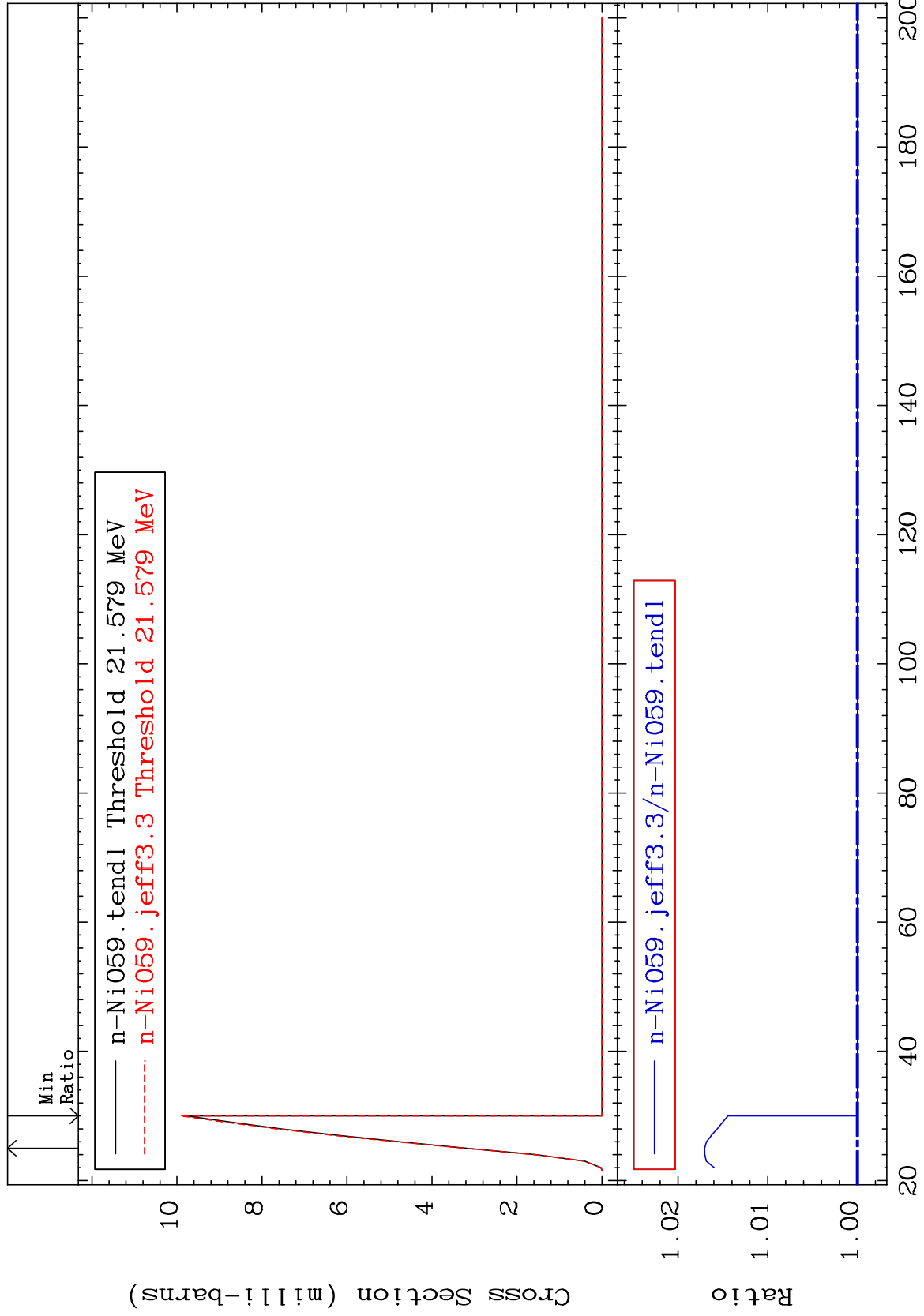
Incident Energy (eV)

5

MAT 2828

(n,3n)
Cross Section

28-Ni-59
To 1.706 %
0.000

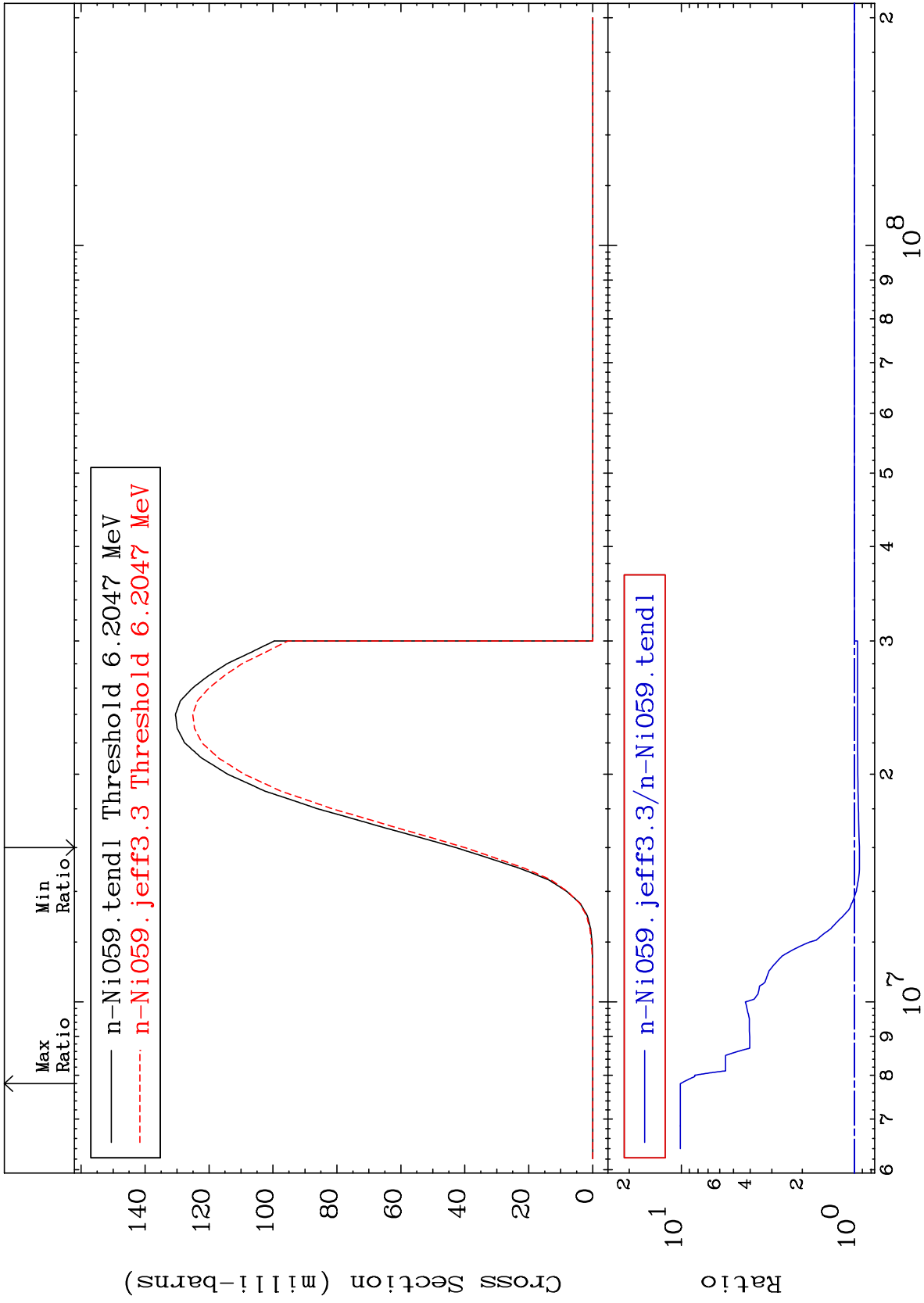


28-Ni-59

MAT 2828

(n,n') α
Cross Section

28-Ni-59
-6.549 To 913.0 %



7

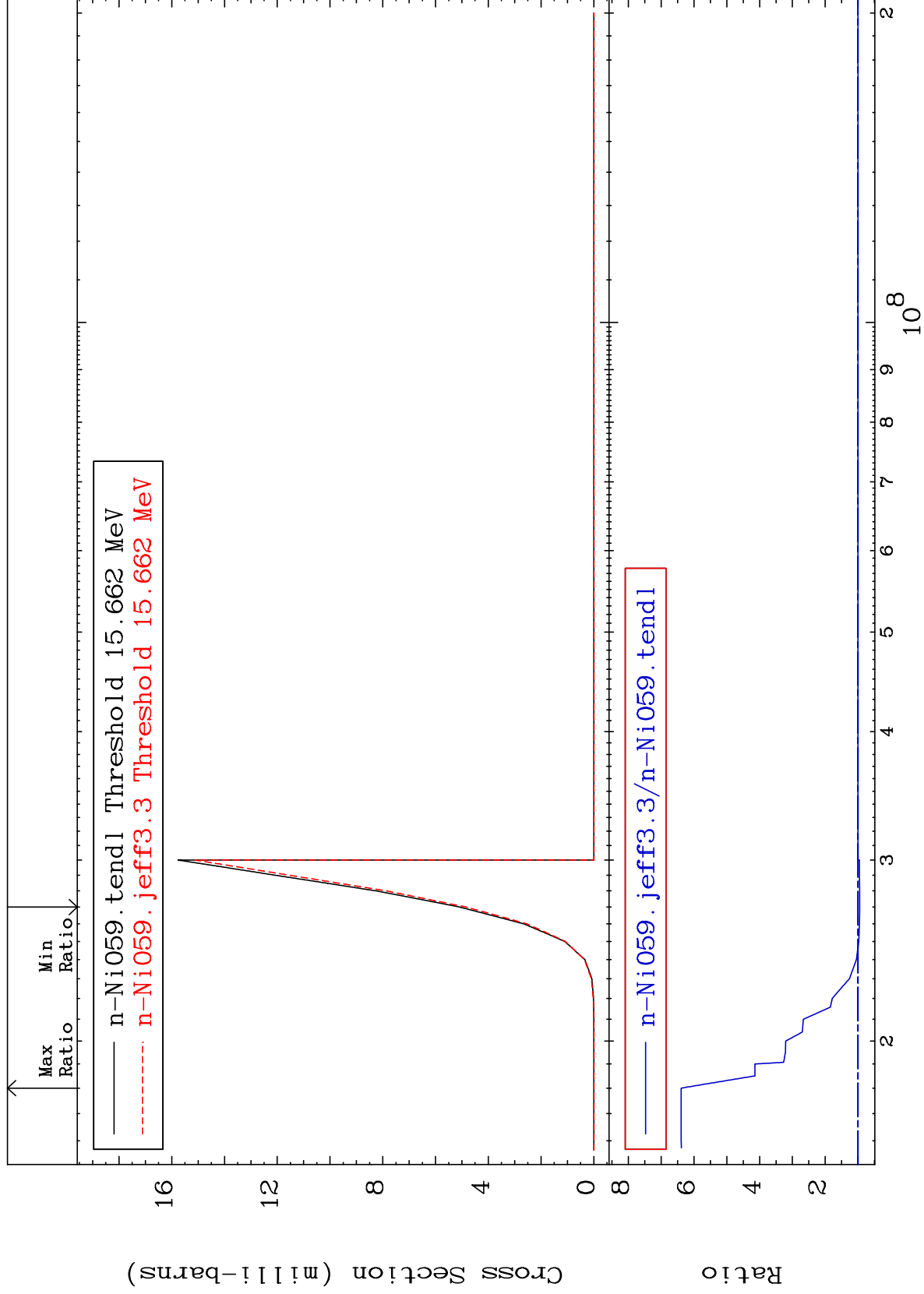
Incident Energy (eV)

28-Ni-59

MAT 2828

(n,2n) α
Cross Section

28-Ni-59
-4.922 To 539.0 %

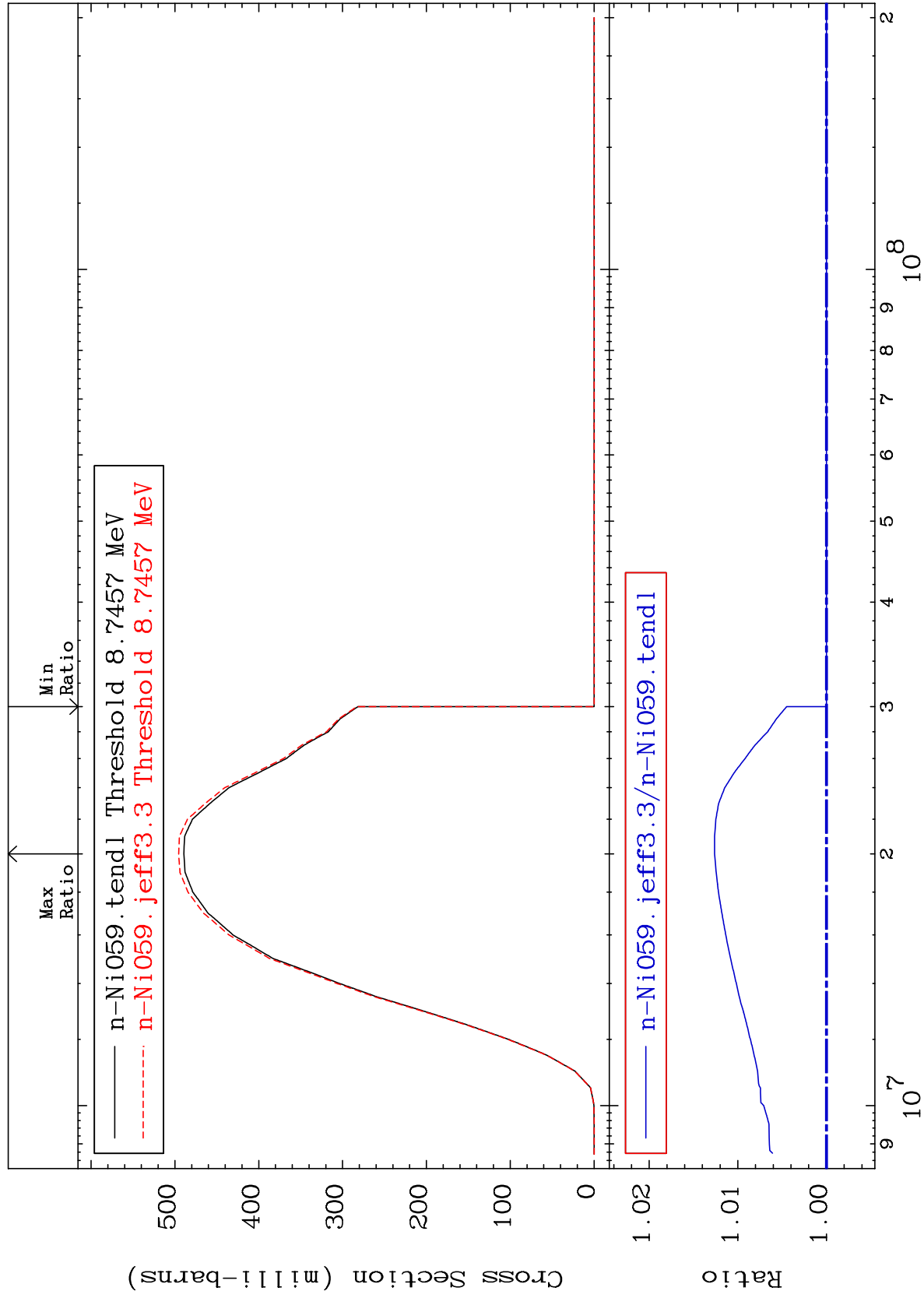


MAT 2828

28-Ni-59

(n,n') p

Cross Section To 1.262 %



28-Ni-59

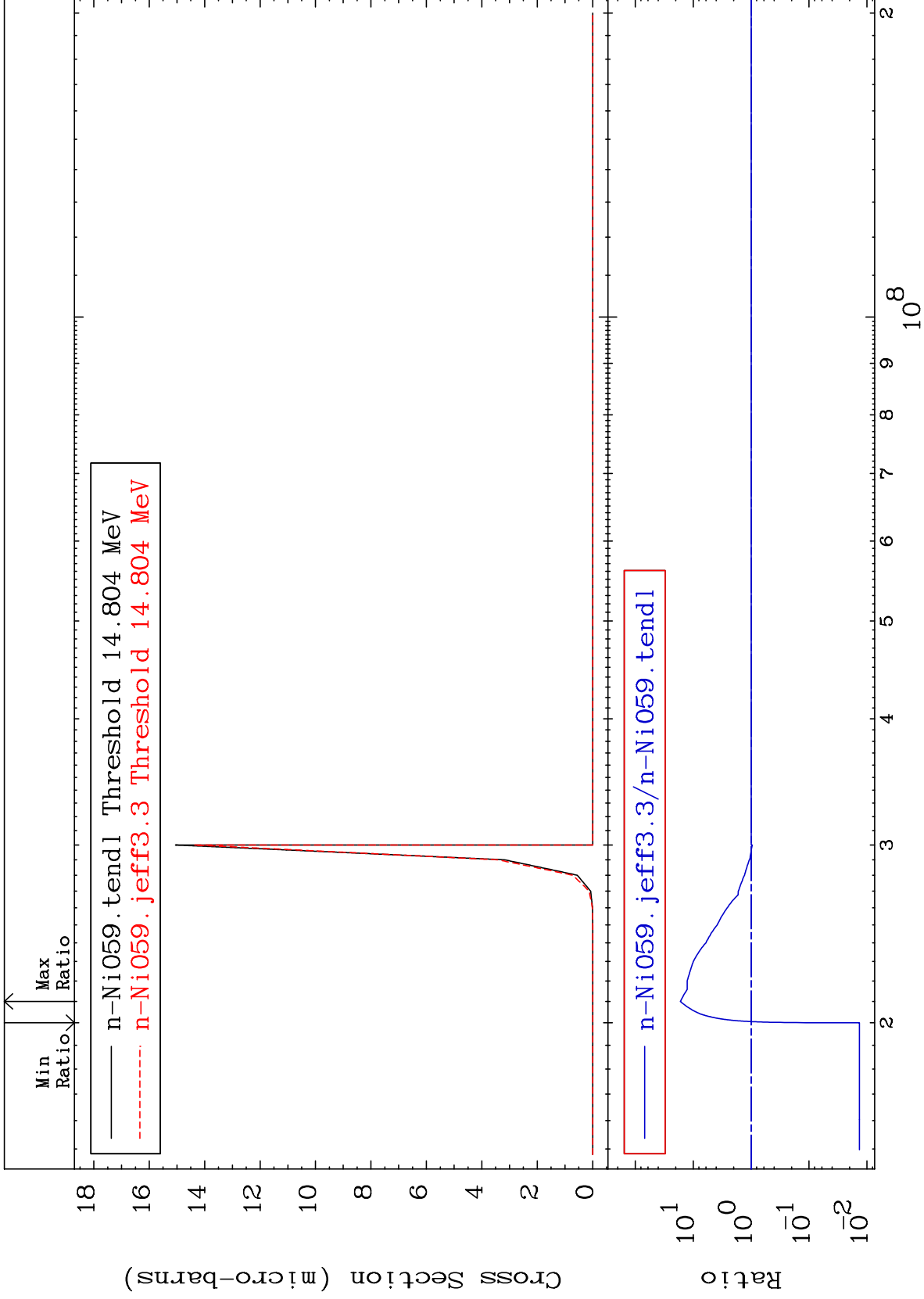
Incident Energy (eV)

9

MAT 2828

(n, n') 2α
Cross Section

28-Ni-59
-98.65 To 1564. %



10

Incident Energy (eV)

28-Ni-59

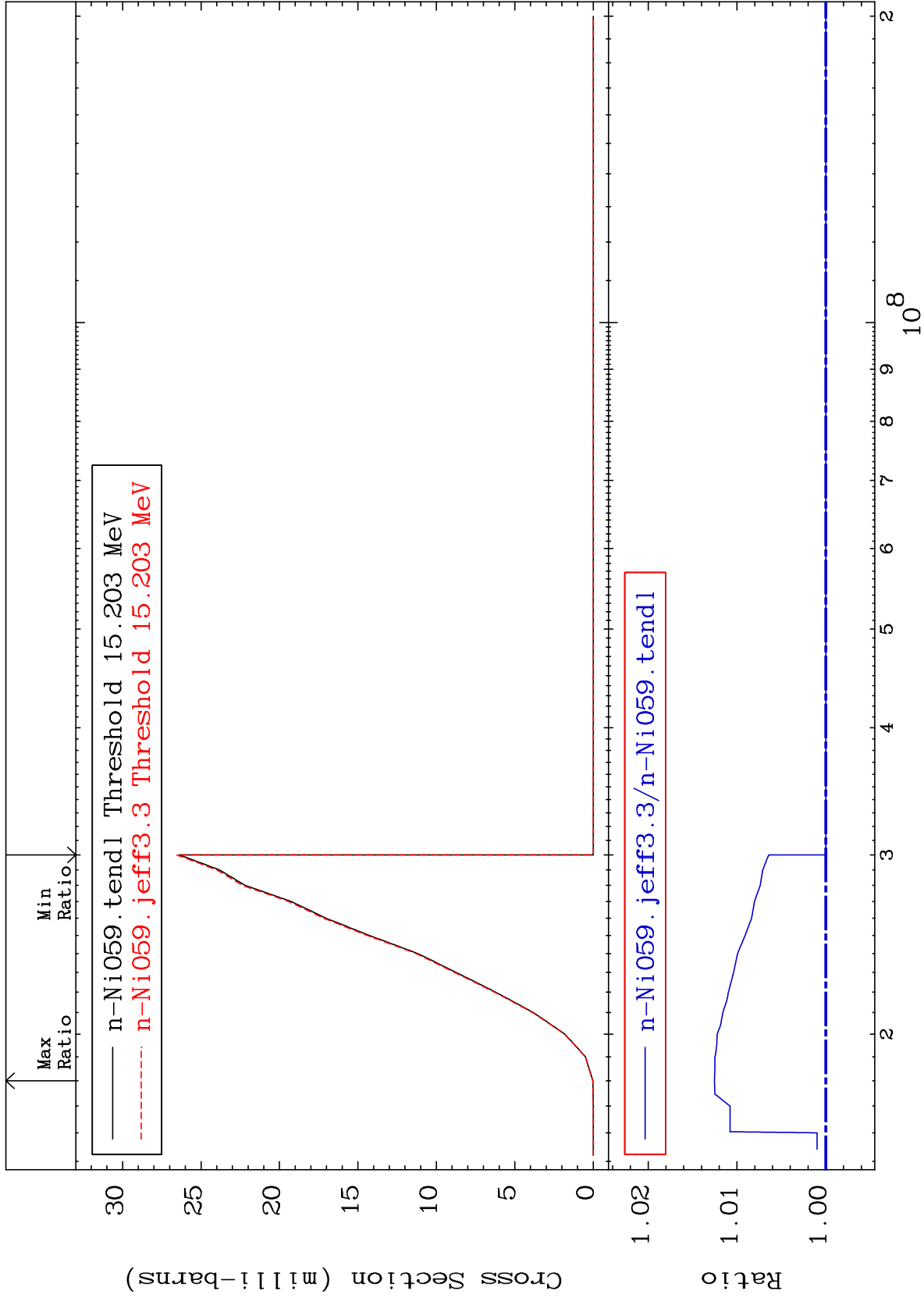
MAT 2828

(n,n') d

28-Ni-59

Cross Section

0.000 To 1.253 %



11

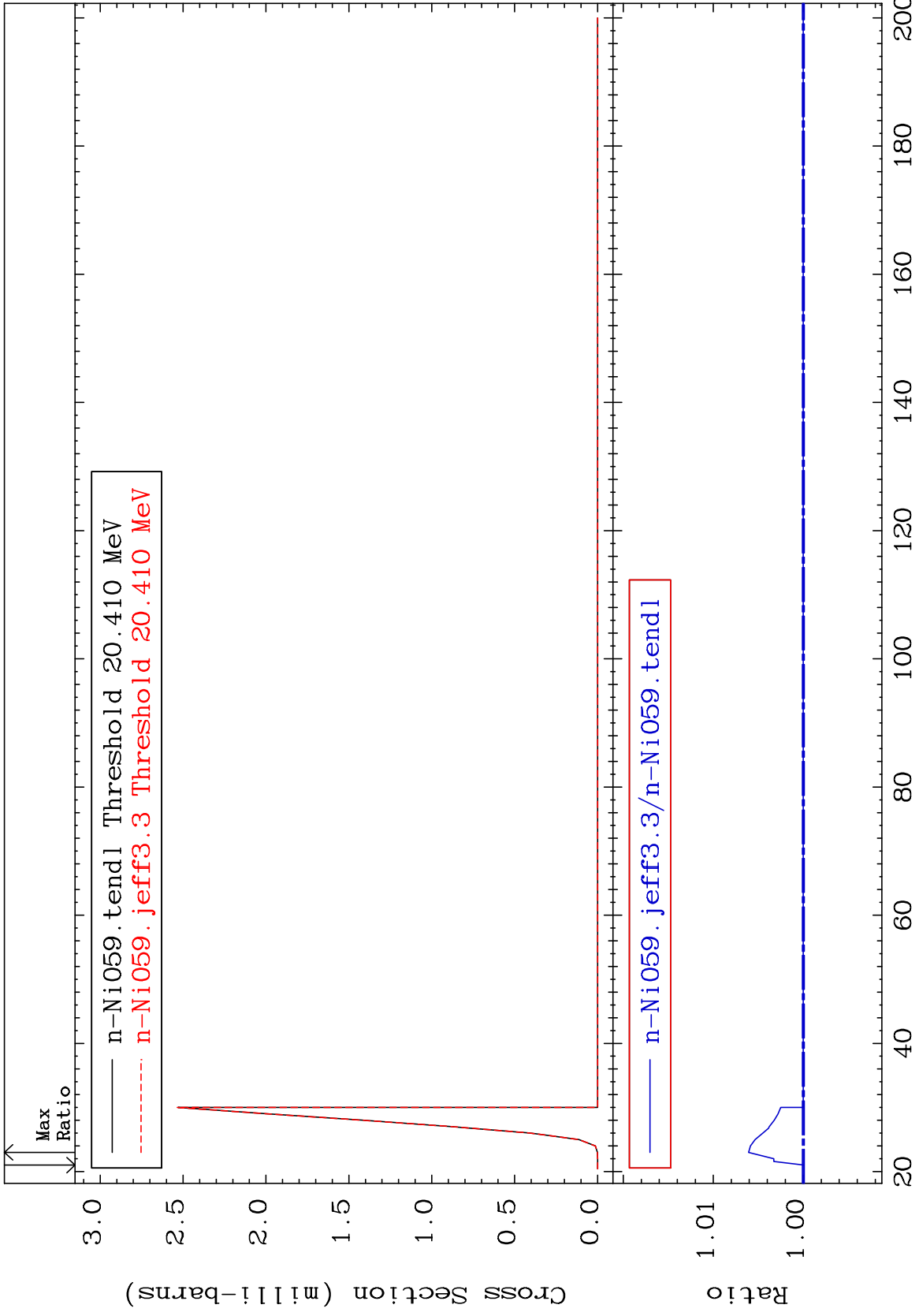
Incident Energy (eV)

28-Ni-59

MAT 2828

(n,n') t
Cross Section

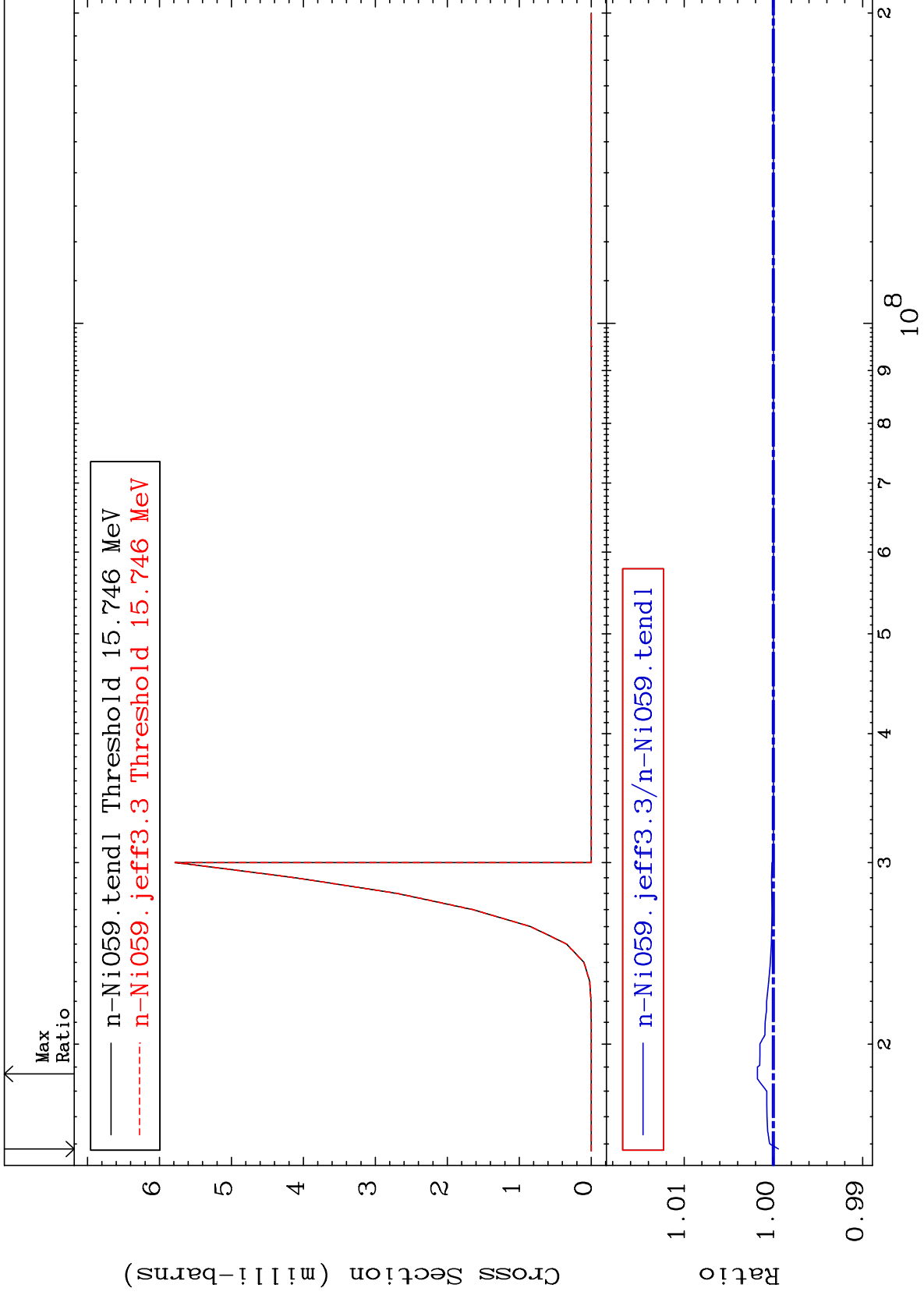
28-Ni-59
-0.007 To 0.608 %



MAT 2828

(n, n') He-3
Cross Section

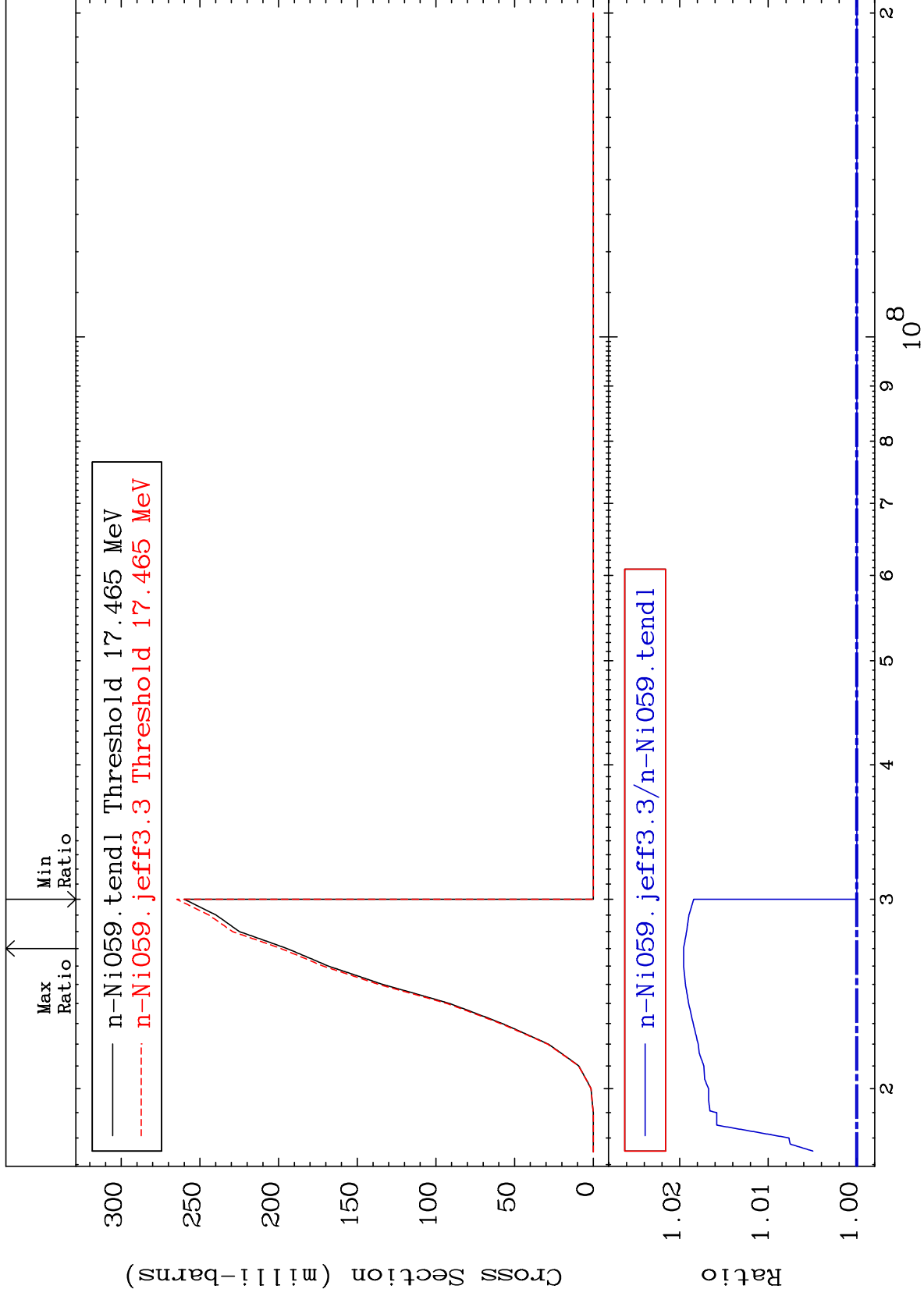
28-Ni-59
-0.057 To 0.179 %



MAT 2828

(n,2n) p
Cross Section

28-Ni-59
To 1.957 %
0.000



14

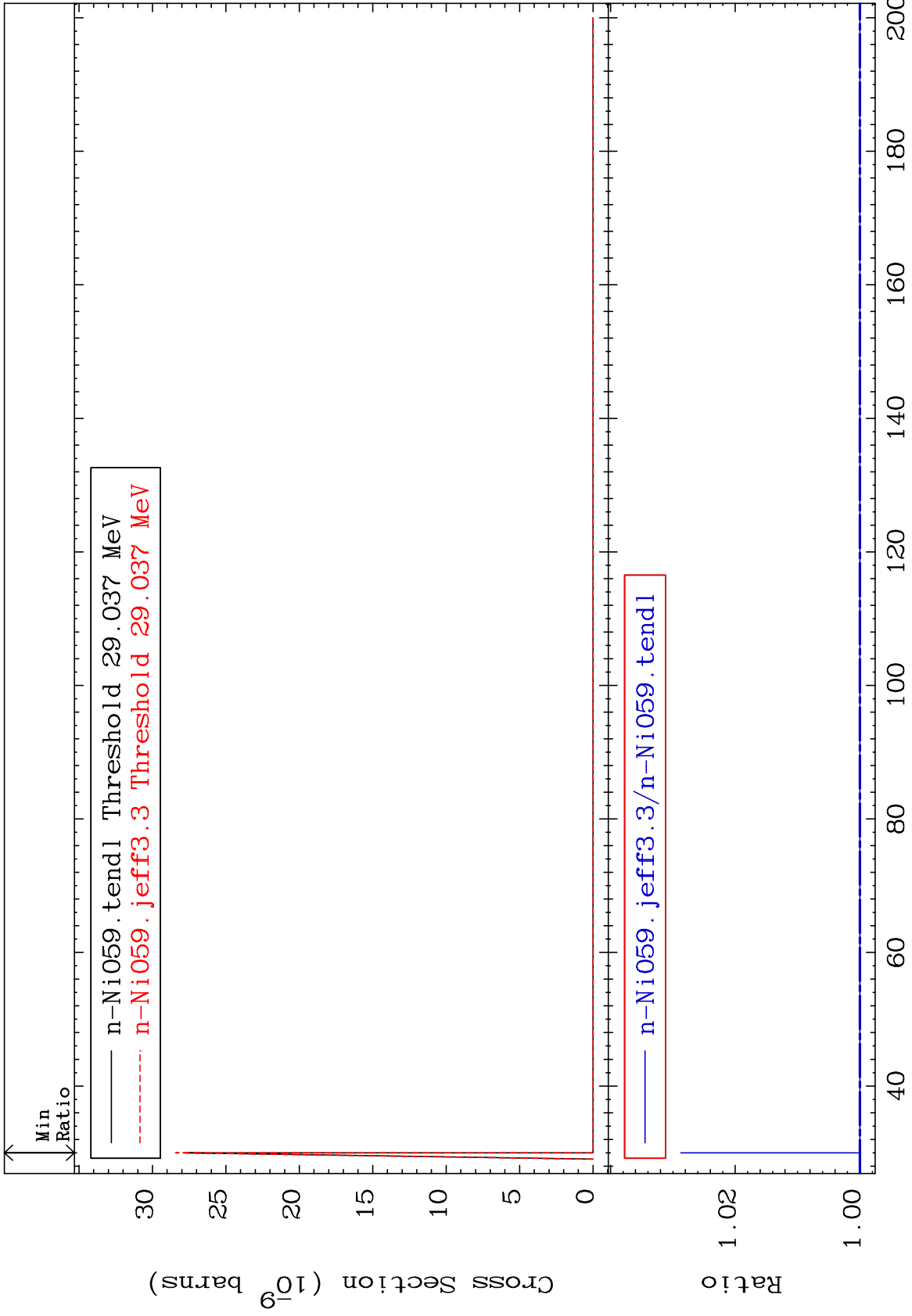
28-Ni-59

28-Ni-59

MAT 2828

(n,3n) p
Cross Section

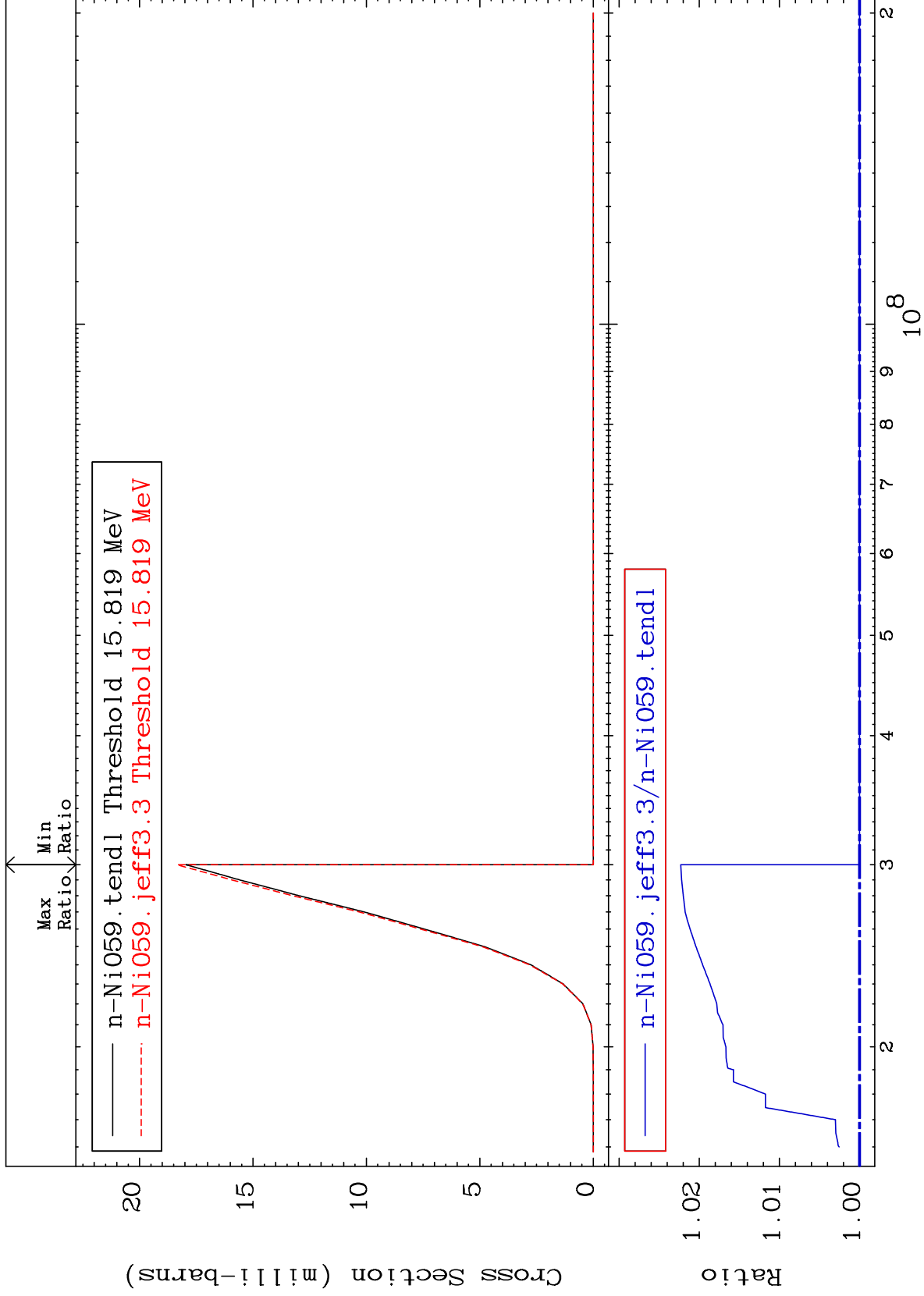
28-Ni-59
0.000 To 2.874 %



MAT 2828

(n,2n) p
Cross Section

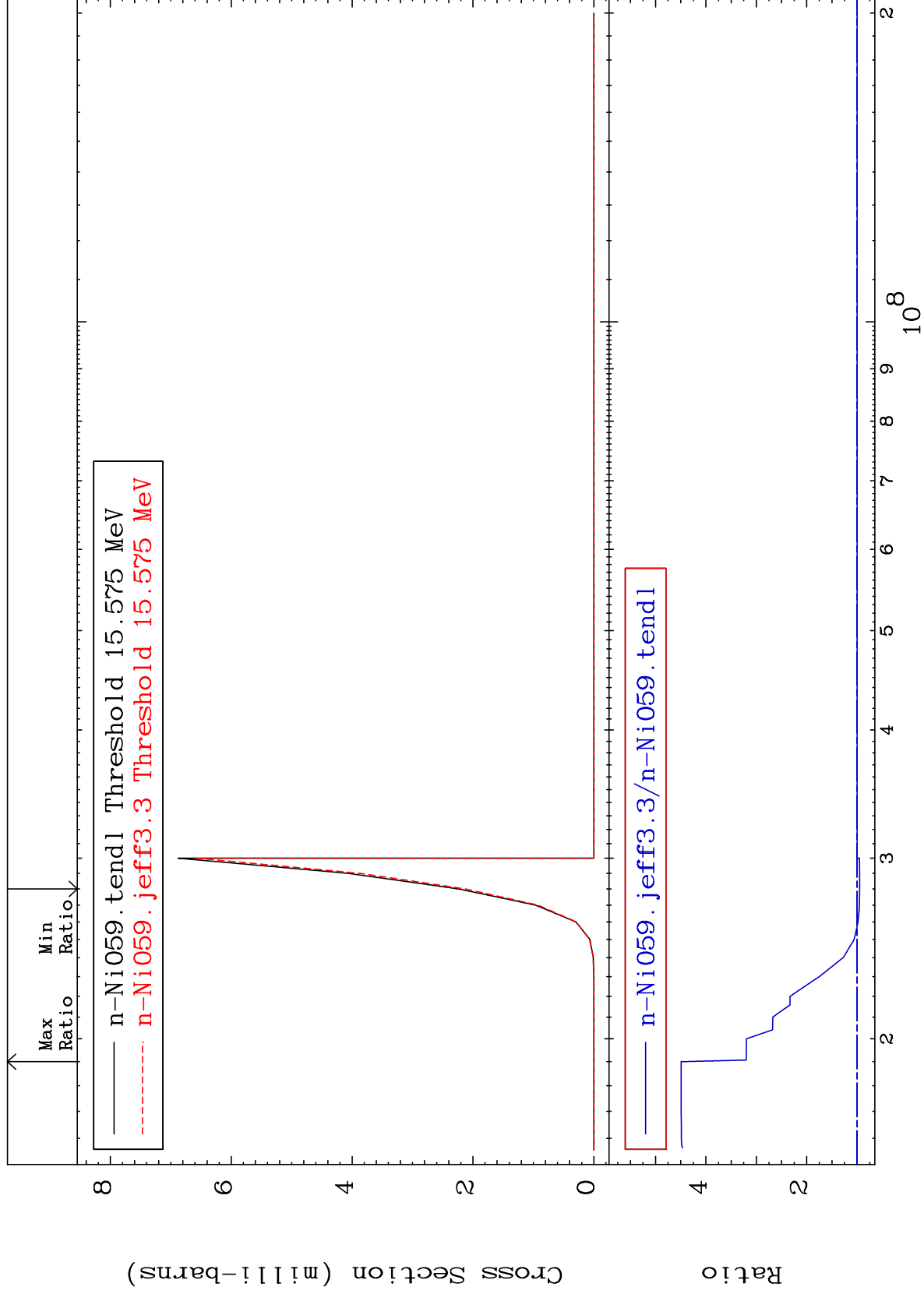
28-Ni-59
0.000 To 2.231 %



MAT 2828

(n,n') p α
Cross Section

28-Ni-59
-4.953 To 349.1 %



17

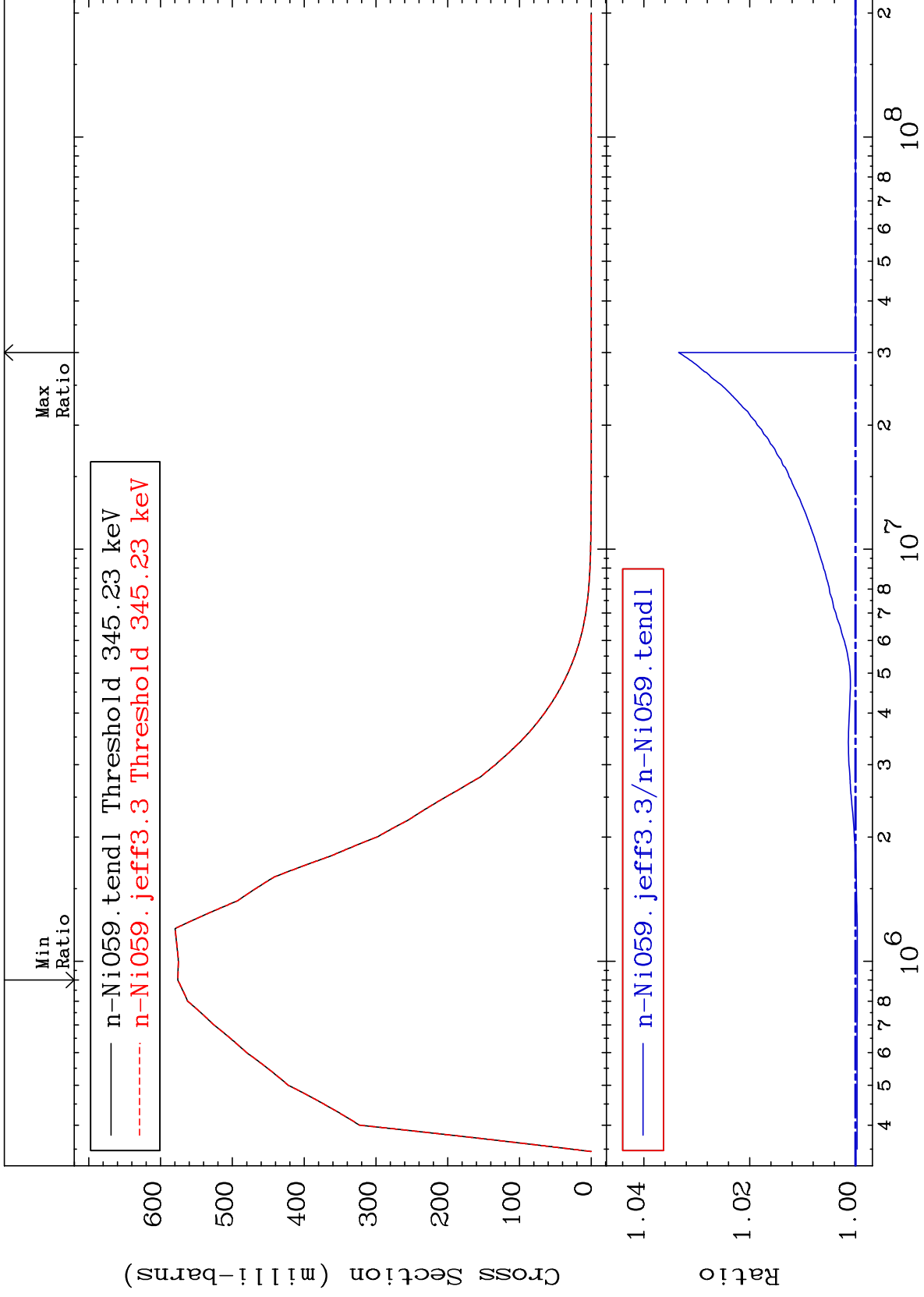
28-Ni-59

28-Ni-59

MAT 2828

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

28-Ni-59
-0.032 To 3.343 %



18

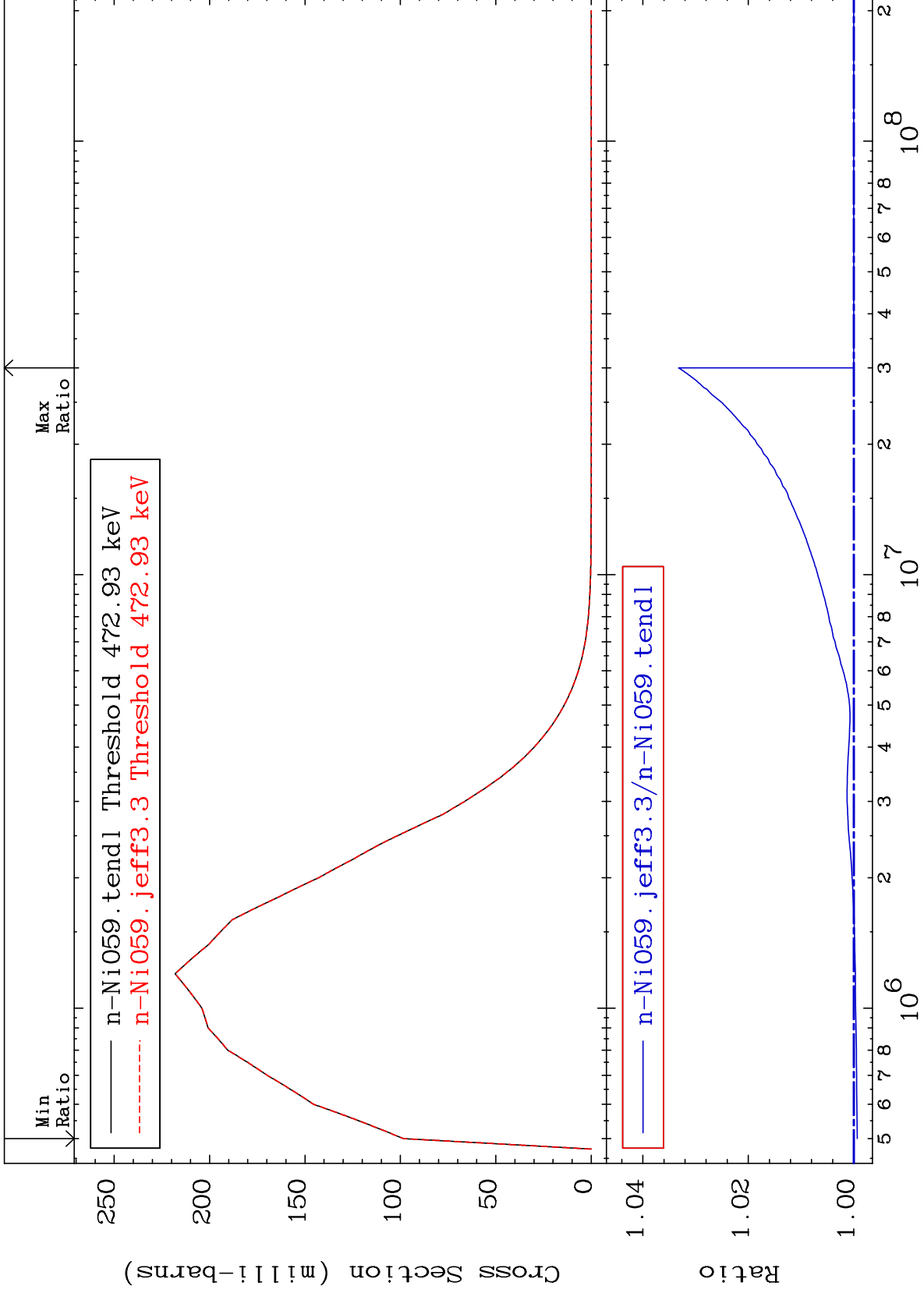
Incident Energy (eV)

28-Ni-59

MAT 2828

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

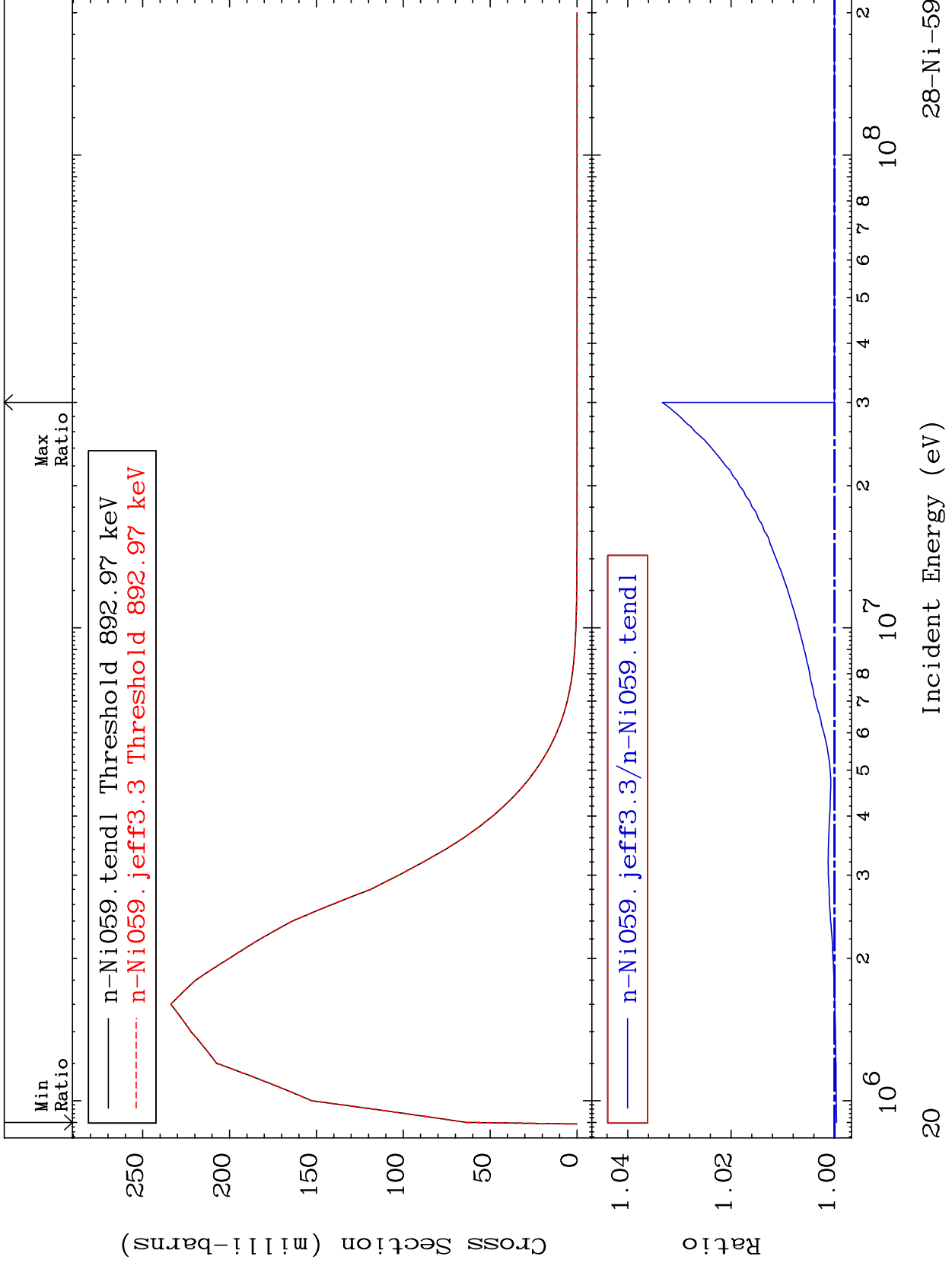
28-Ni-59
-0.067 To 3.322 %



MAT 2828

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

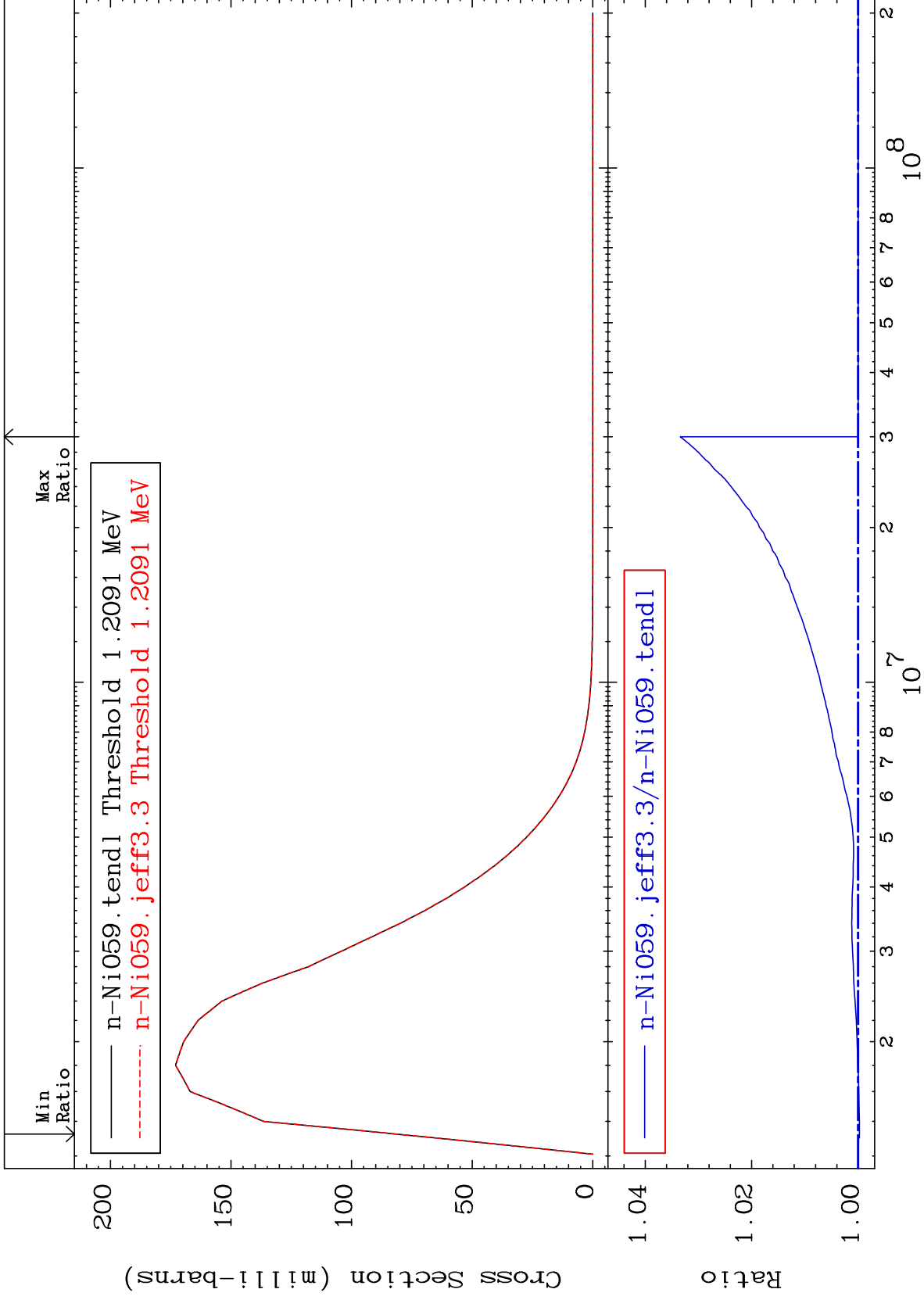
28-Ni-59
-0.042 To 3.331 %



MAT 2828

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

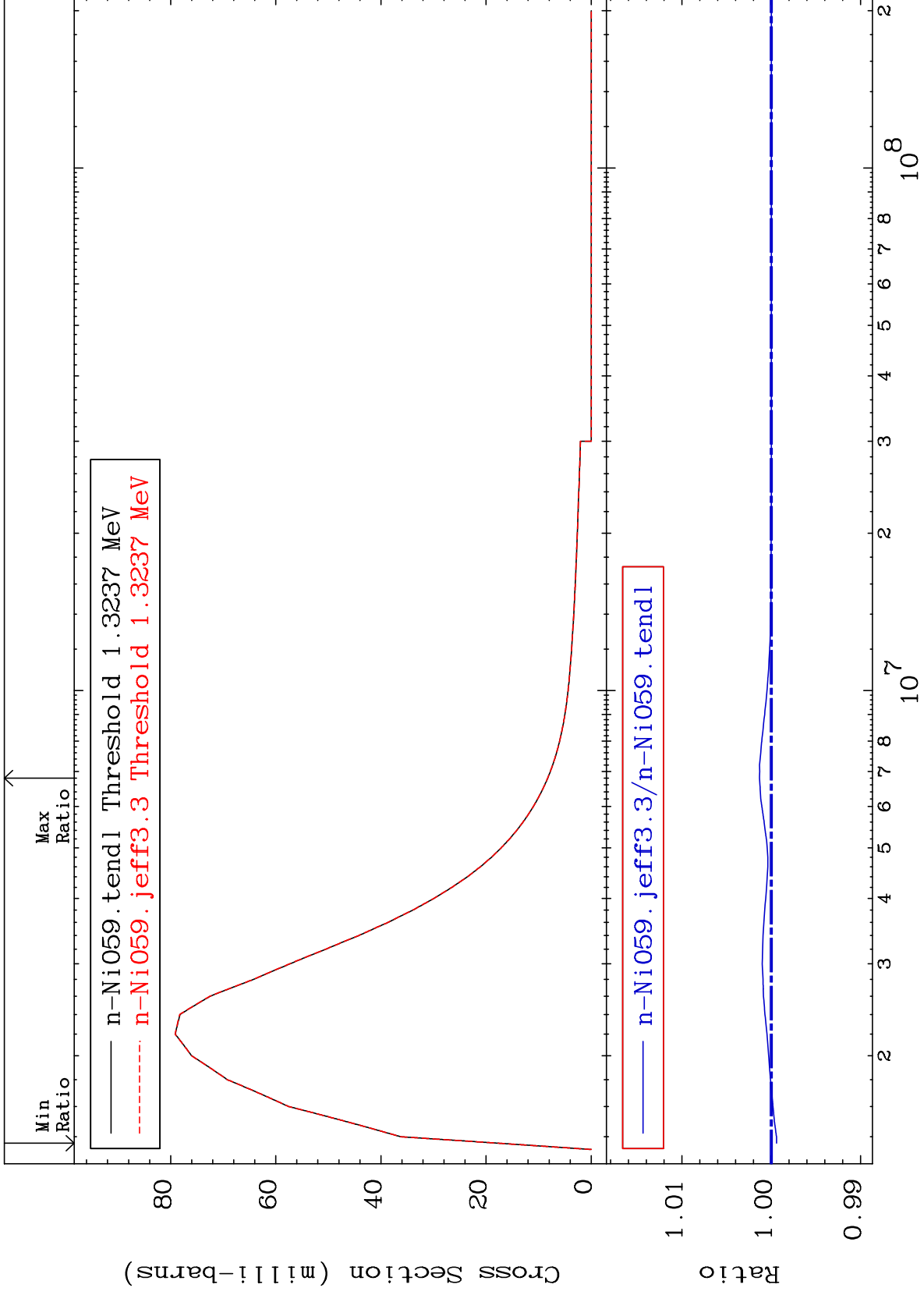
28-Ni-59
-0.025 To 3.341 %



MAT 2828

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

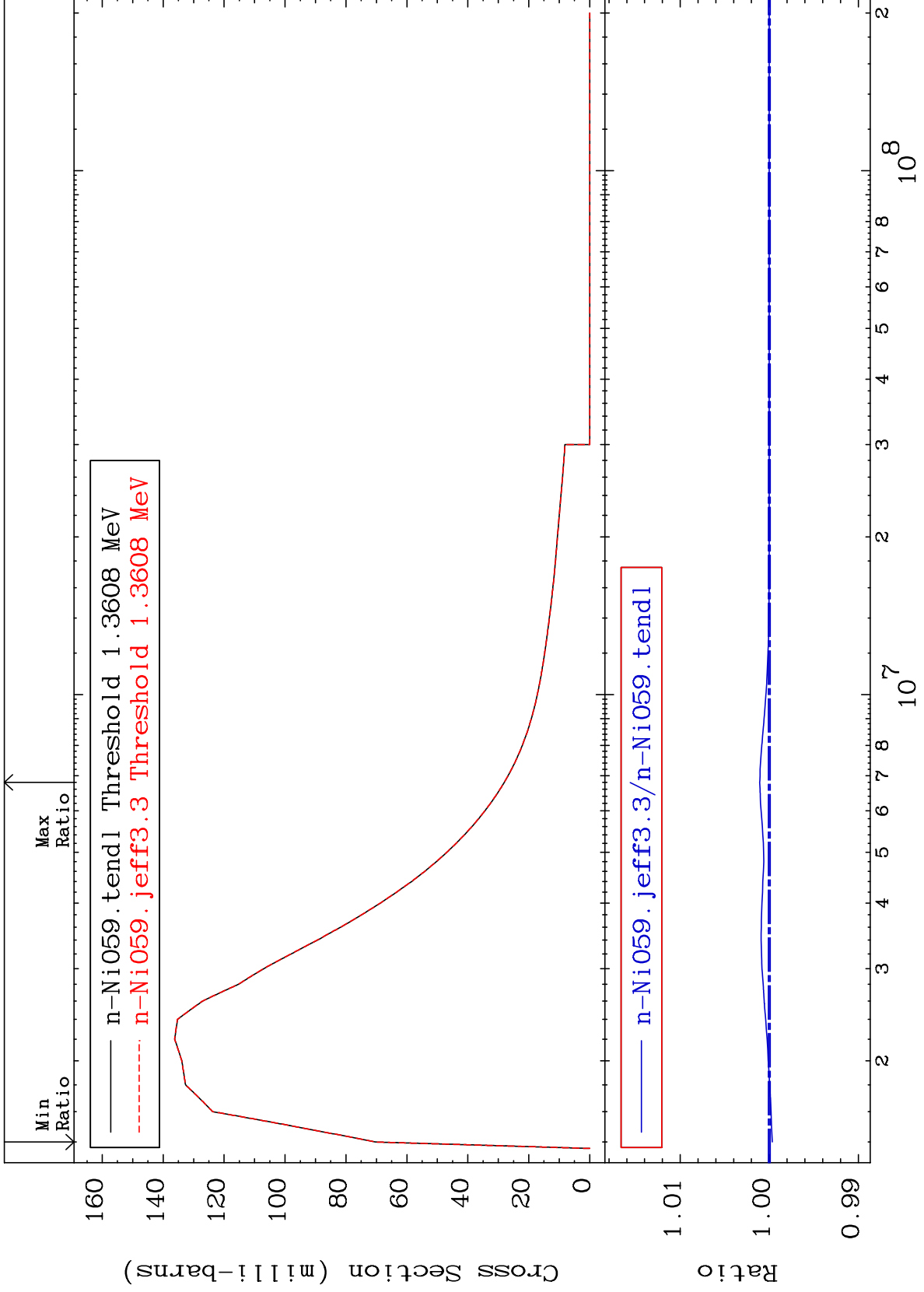
28-Ni-59
-0.059 To 0.133 %



MAT 2828

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

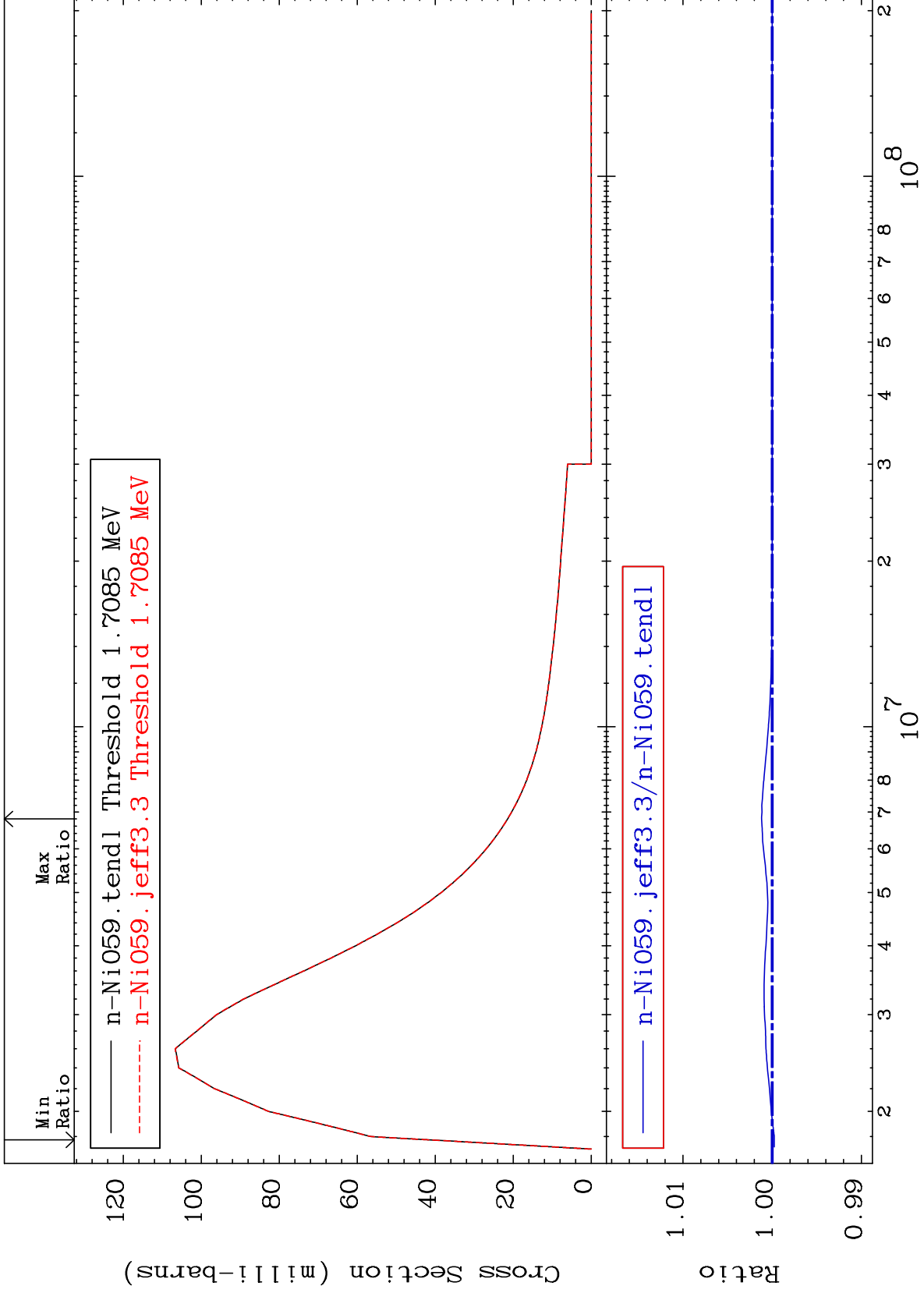
28-Ni-59
-0.034 To 0.107 %



MAT 2828

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

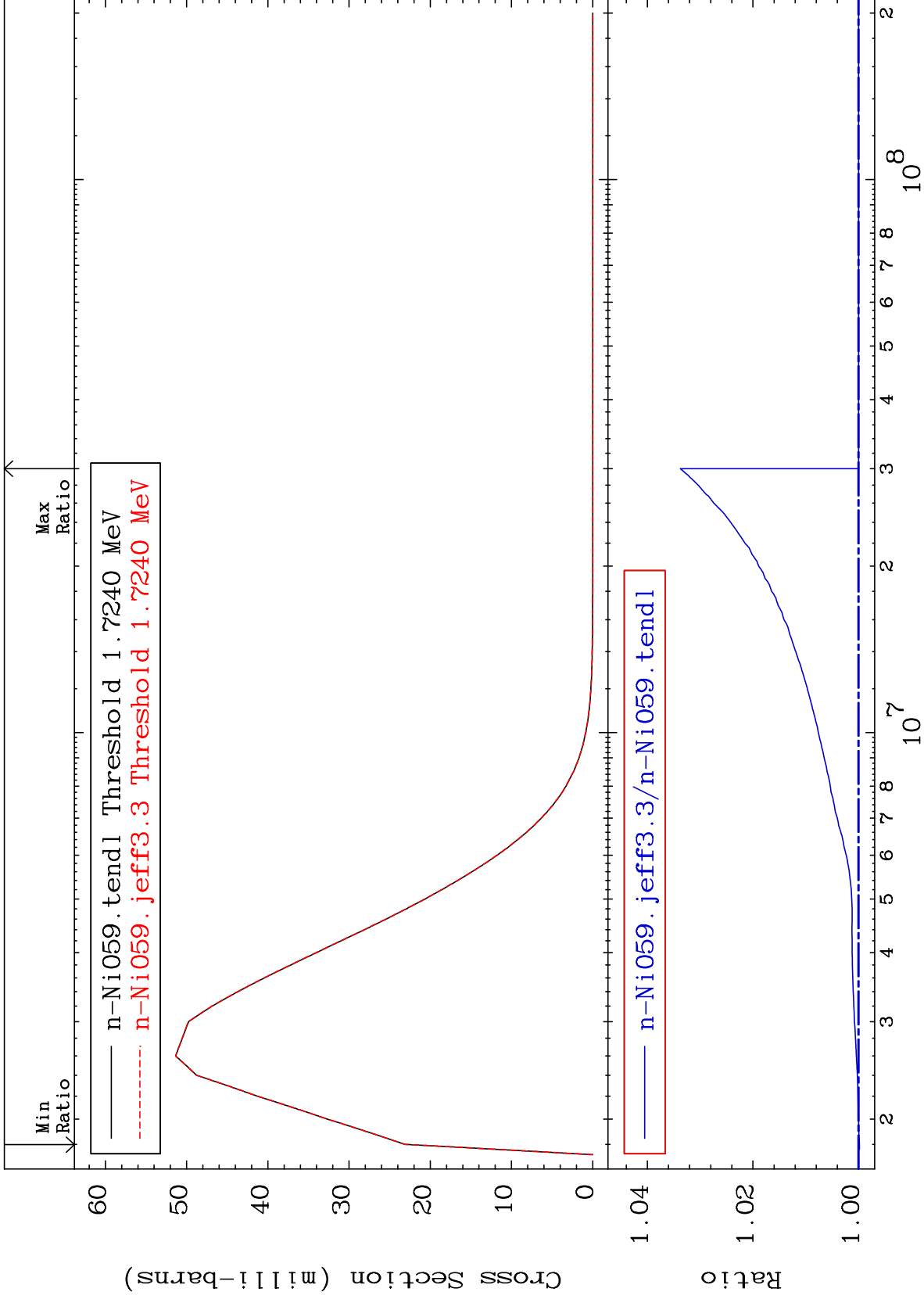
28-Ni-59
-0.024 To 0.119 %



MAT 2828

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

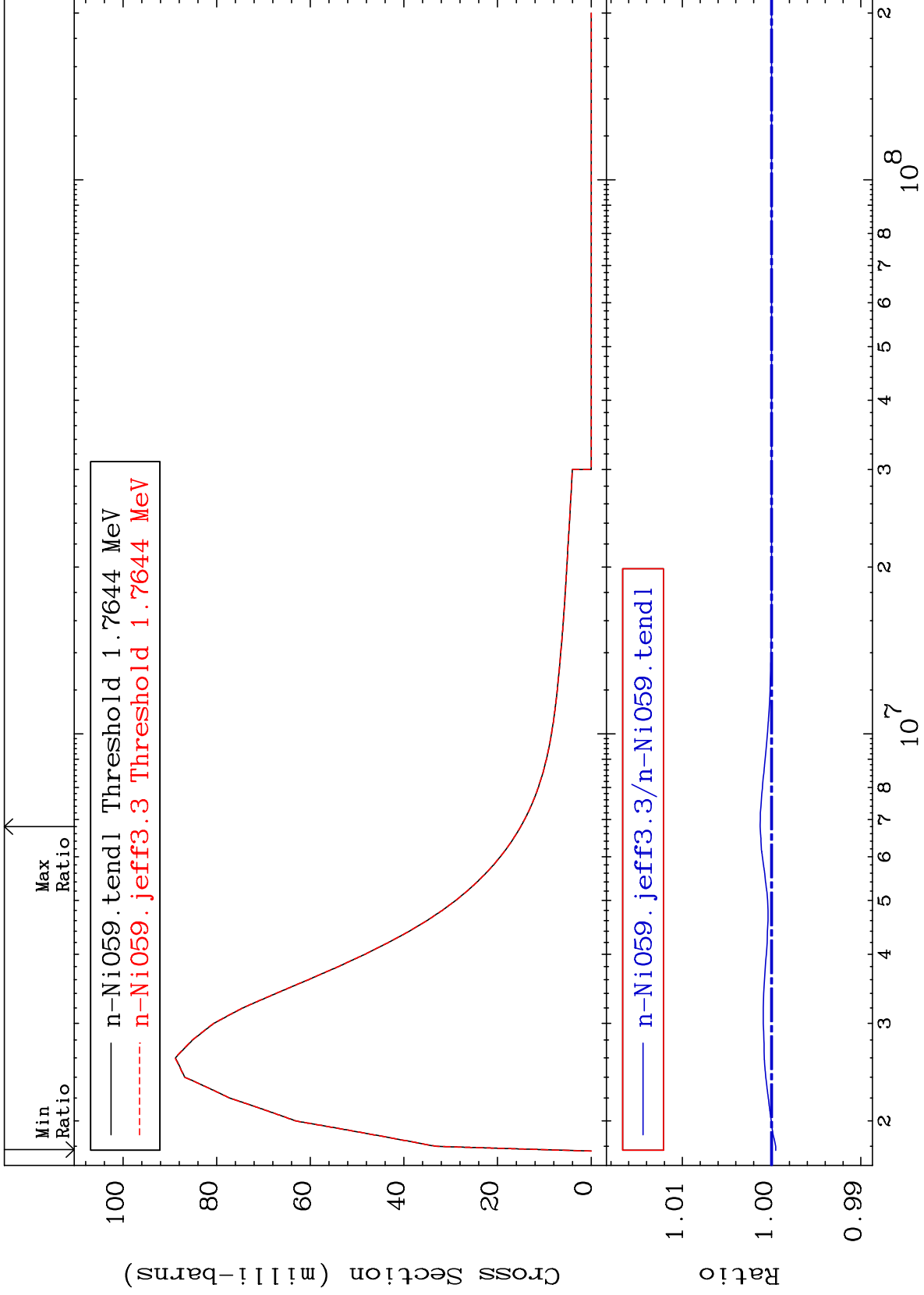
28-Ni-59
-0.017 To 3.375 %



MAT 2828

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

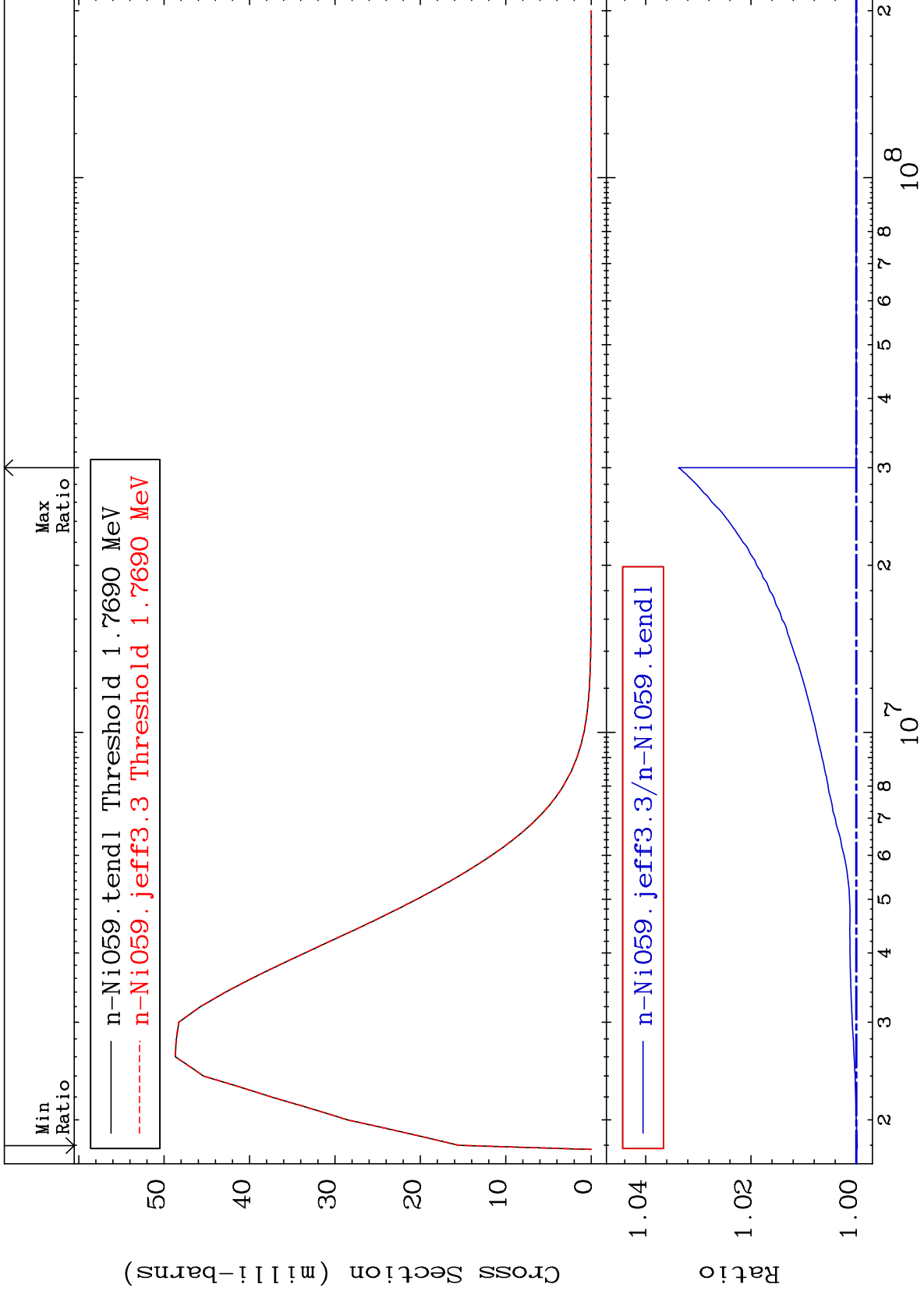
28-Ni-59
-0.047 To 0.128 %



MAT 2828

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

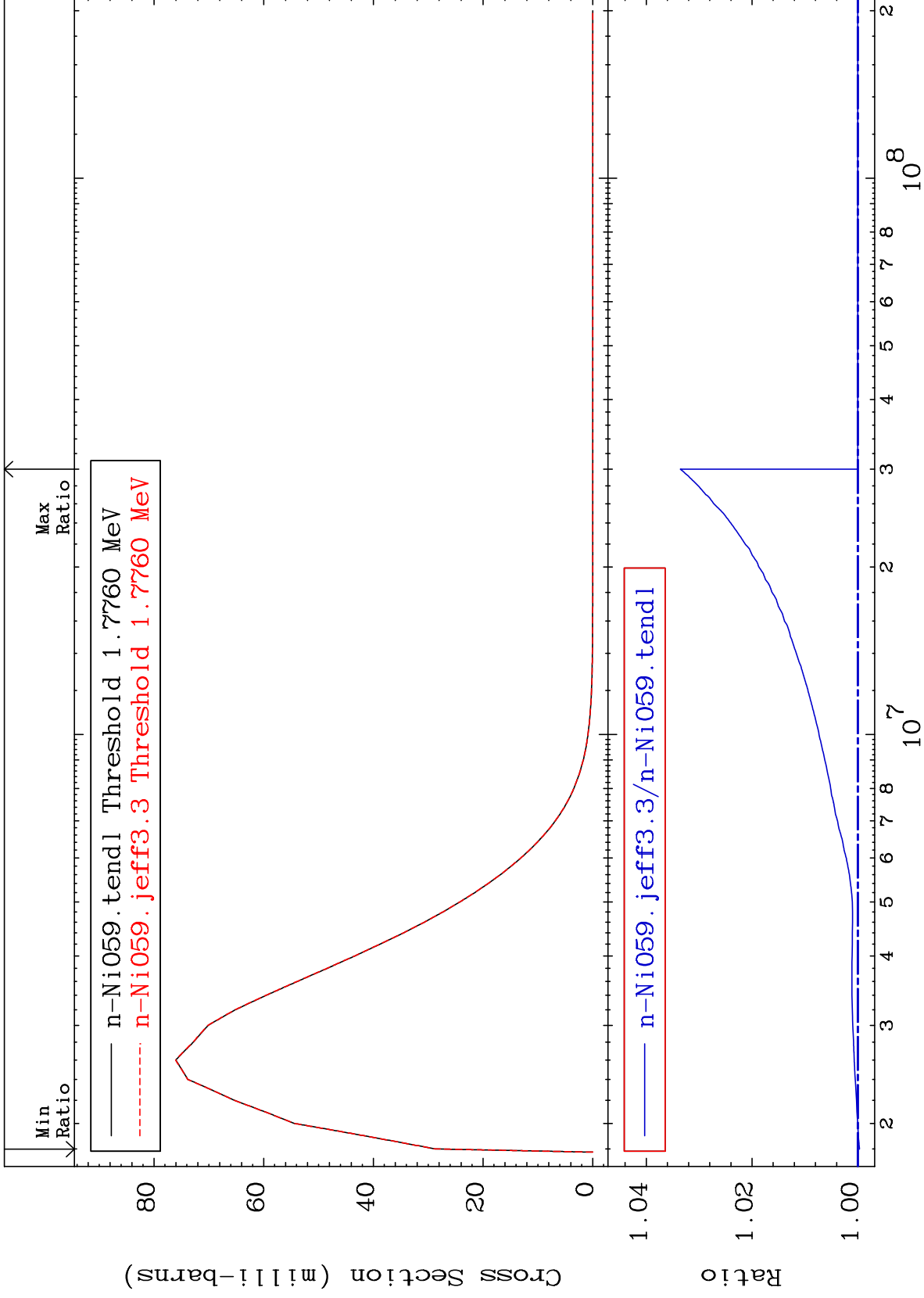
28-Ni-59
-0.018 To 3.374 %



MAT 2828

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

28-Ni-59
-0.031 To 3.356 %



28

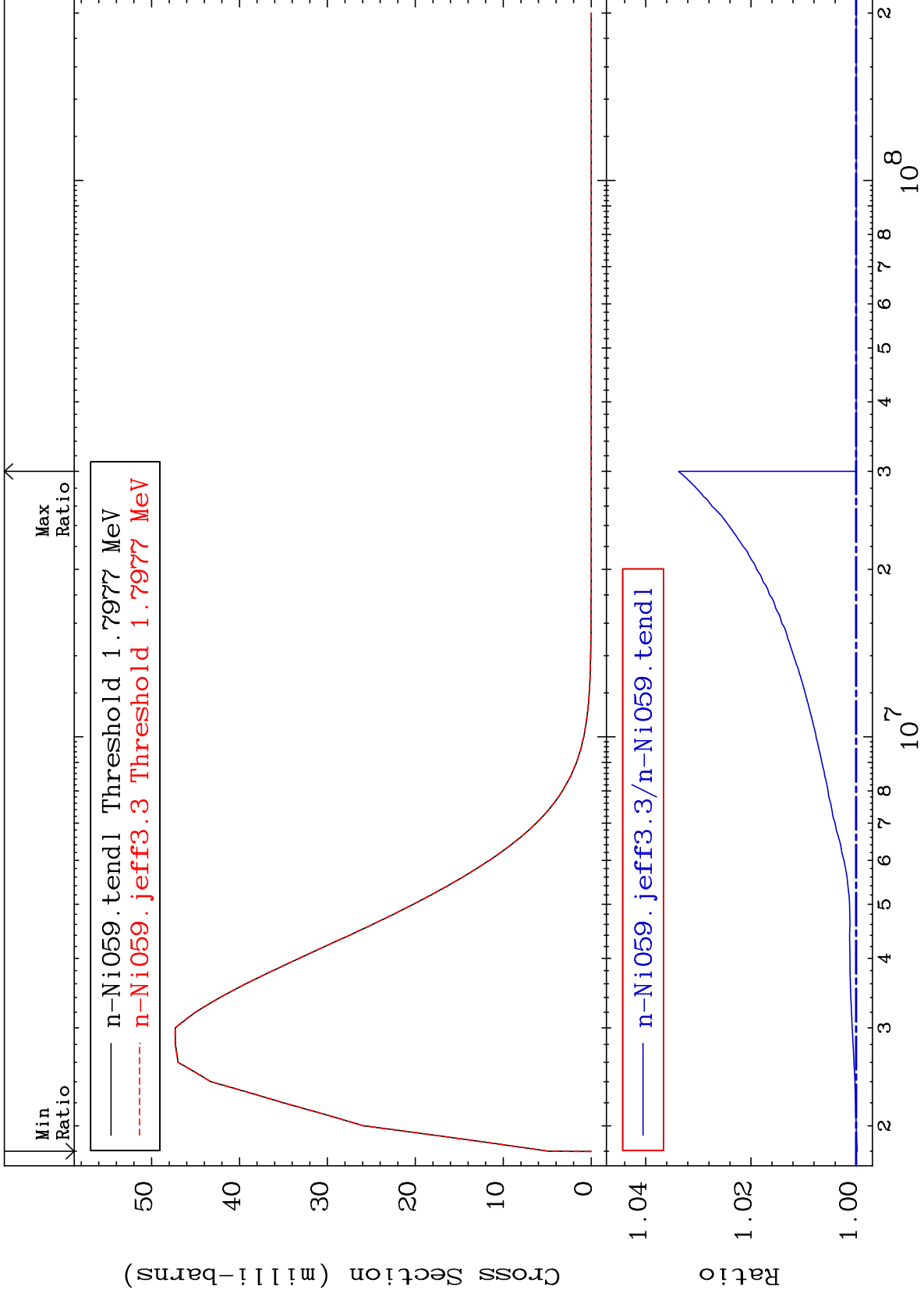
Incident Energy (eV)

28-Ni-59

MAT 2828

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

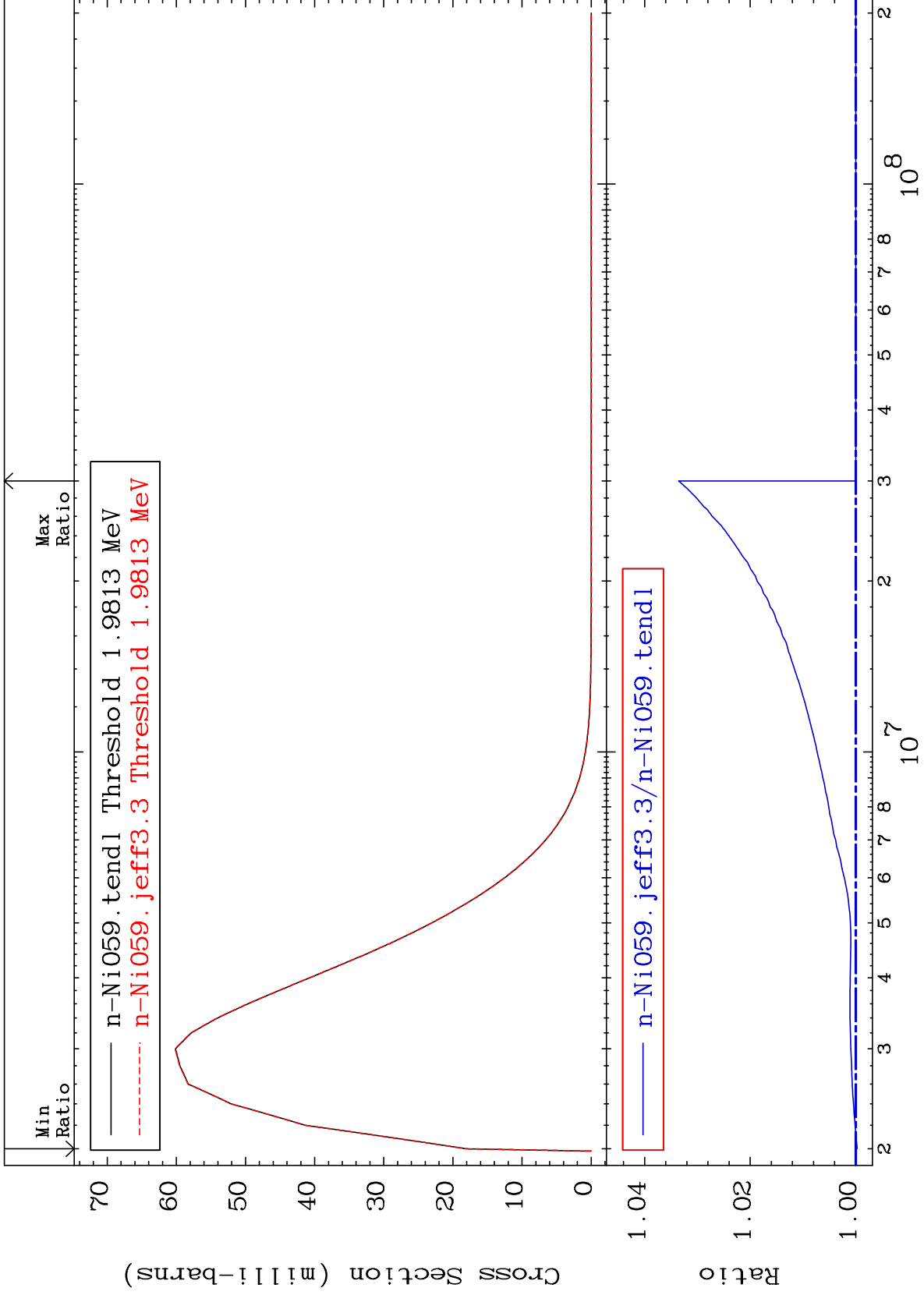
28-Ni-59
-0.021 To 3.374 %



MAT 2828

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

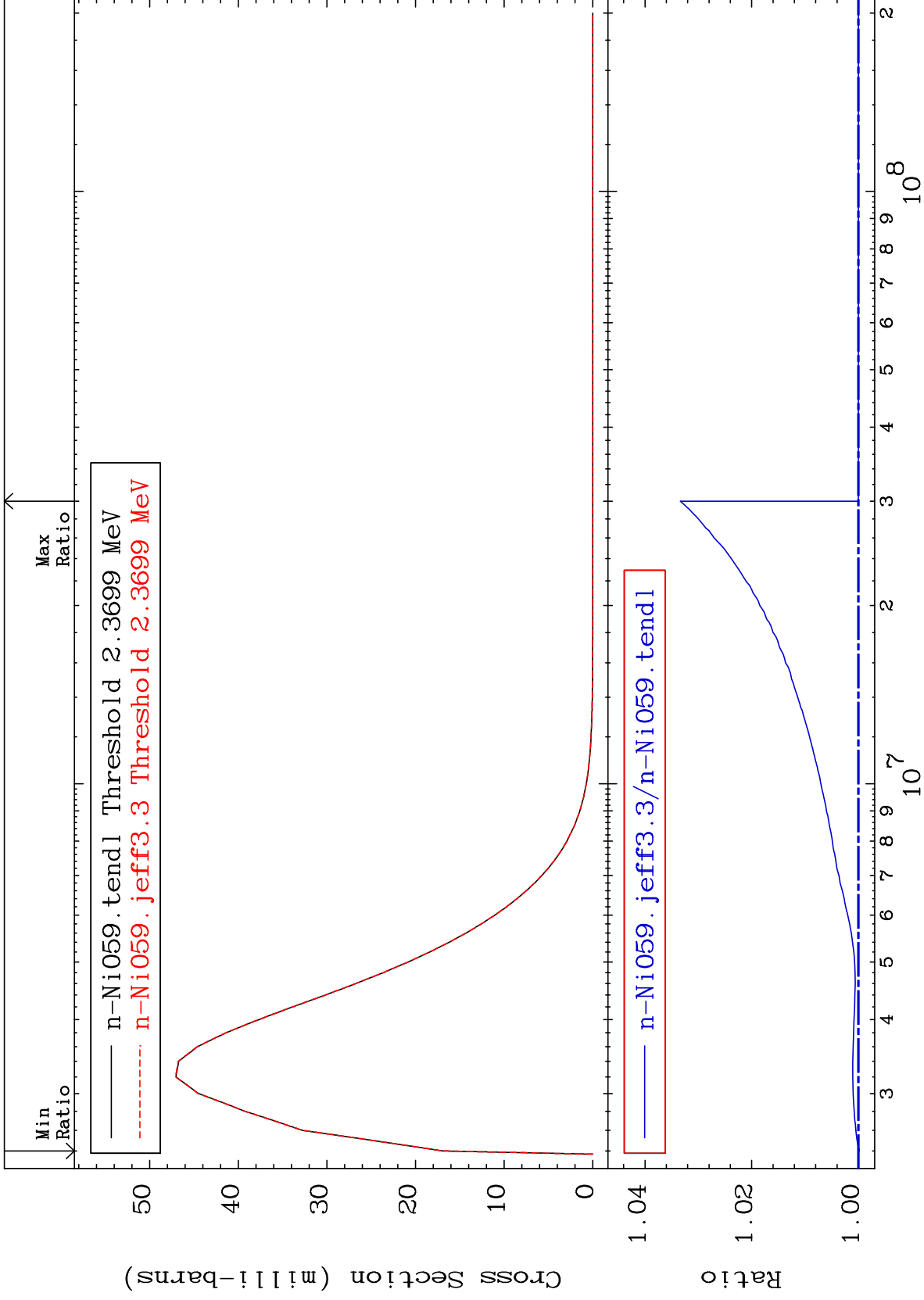
28-Ni-59
-0.028 To 3.355 %



MAT 2828

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

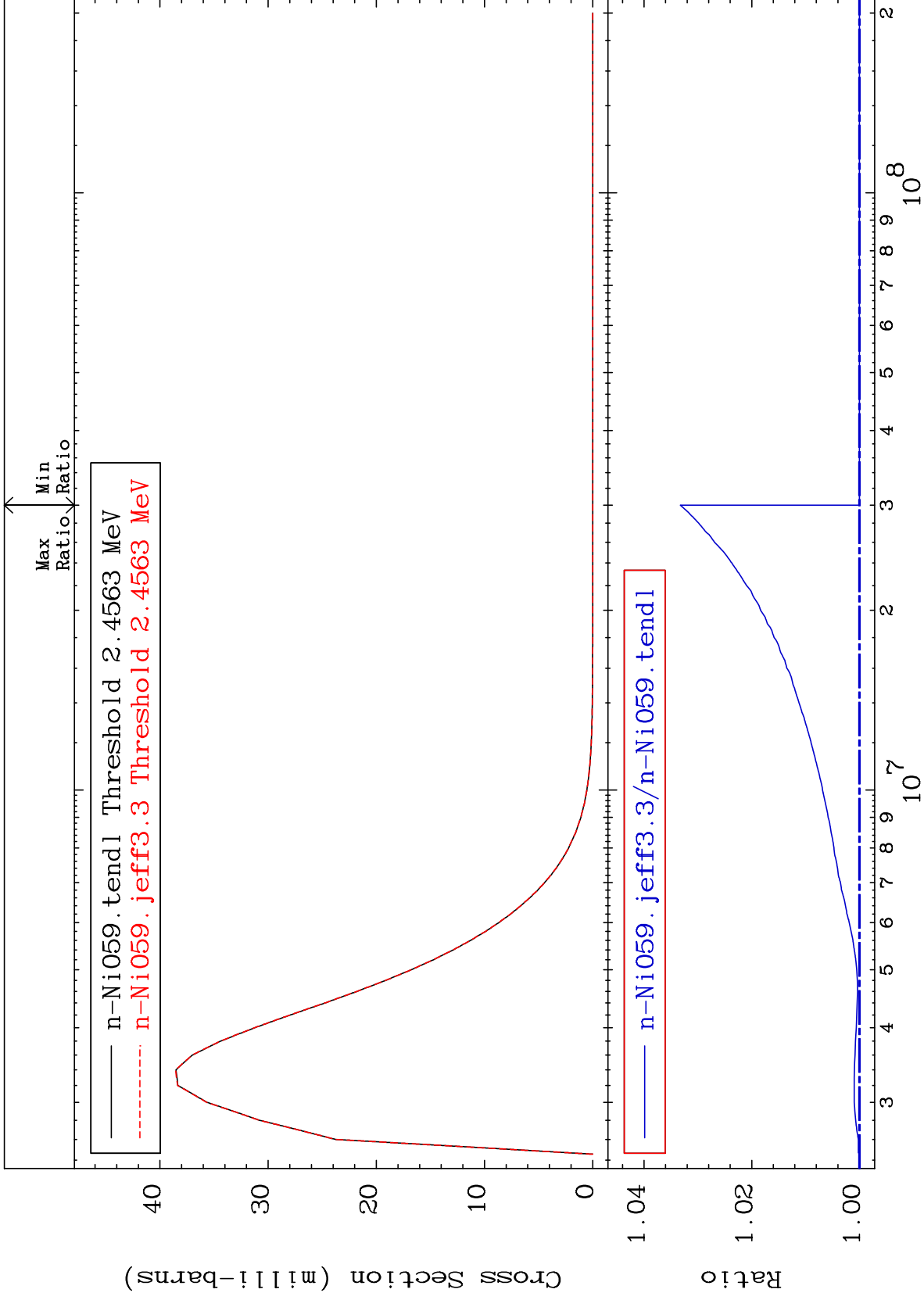
28-Ni-59
-0.020 To 3.337 %



MAT 2828

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

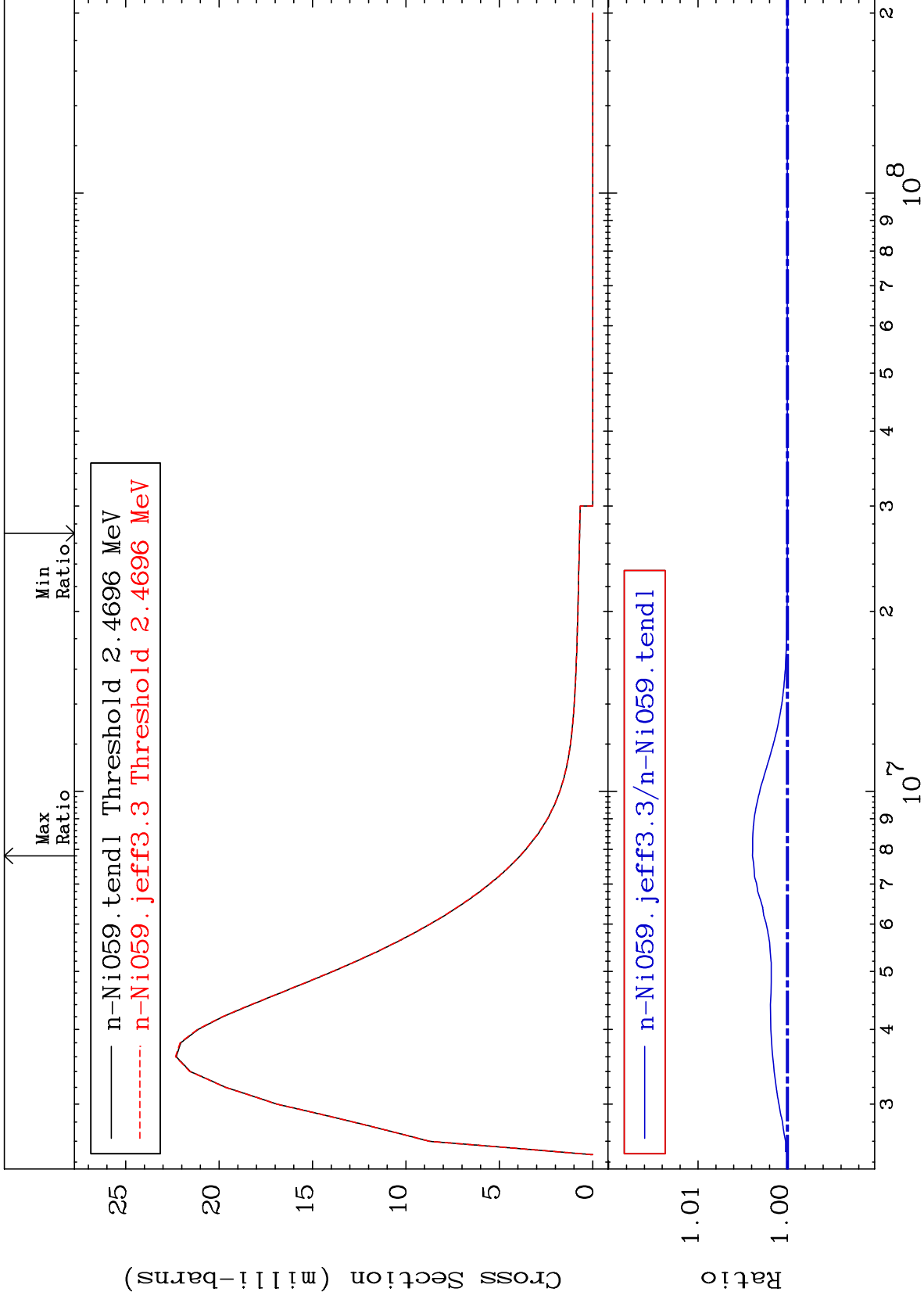
28-Ni-59
To 3.325 %



MAT 2828

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

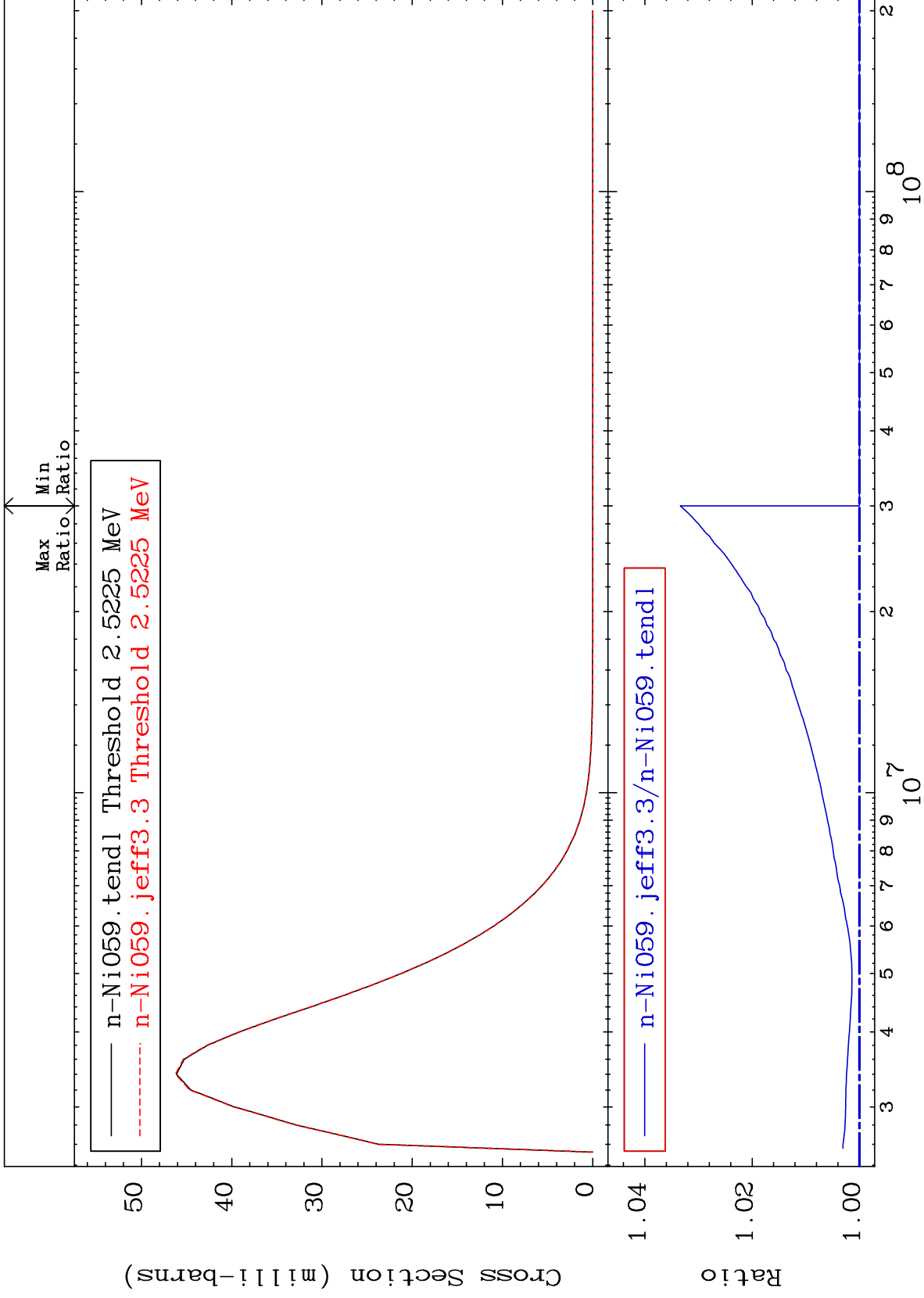
28-Ni-59
0.000 To 0.391 %



MAT 2828

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

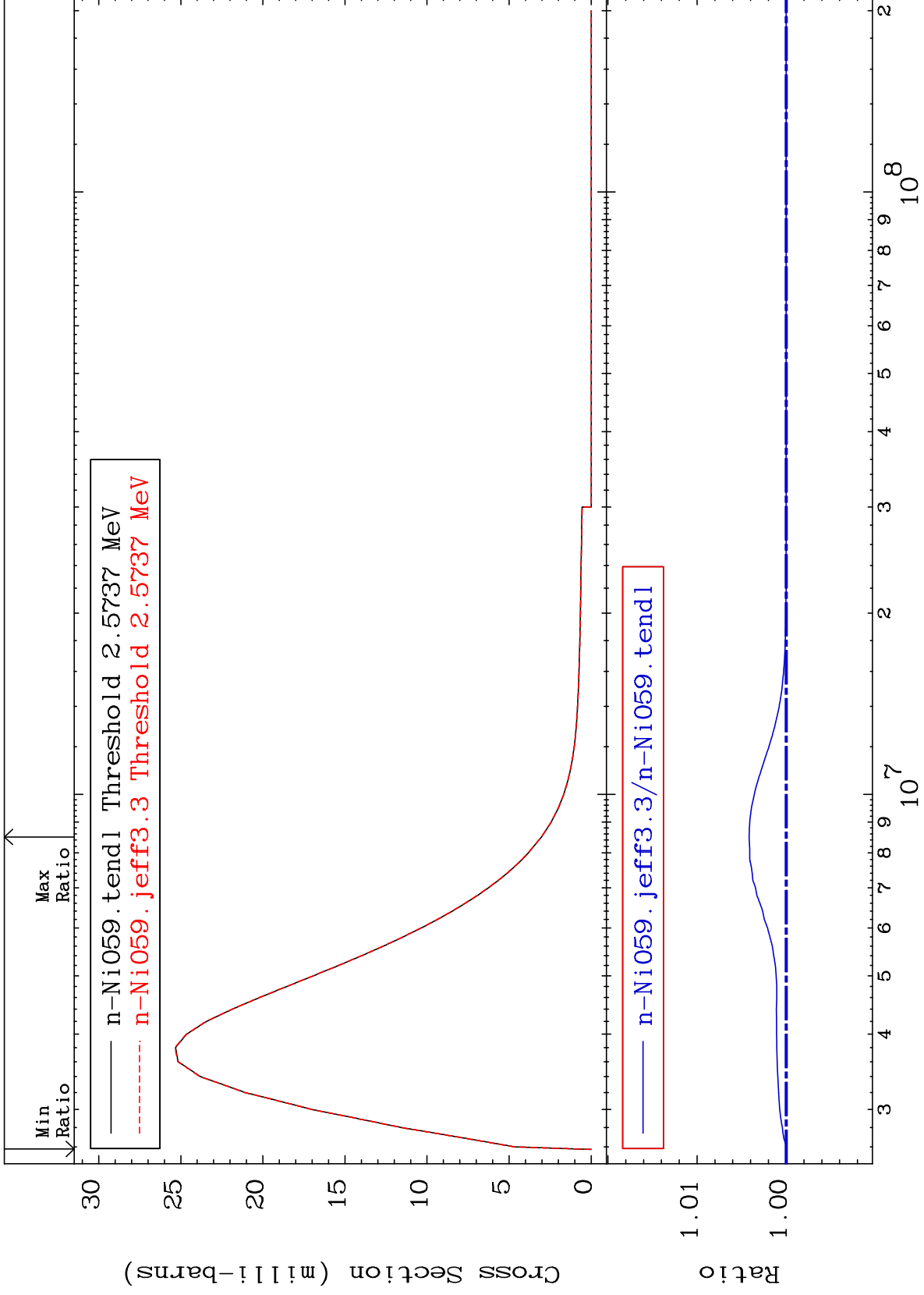
28-Ni-59
0.000 To 3.338 %



MAT 2828

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

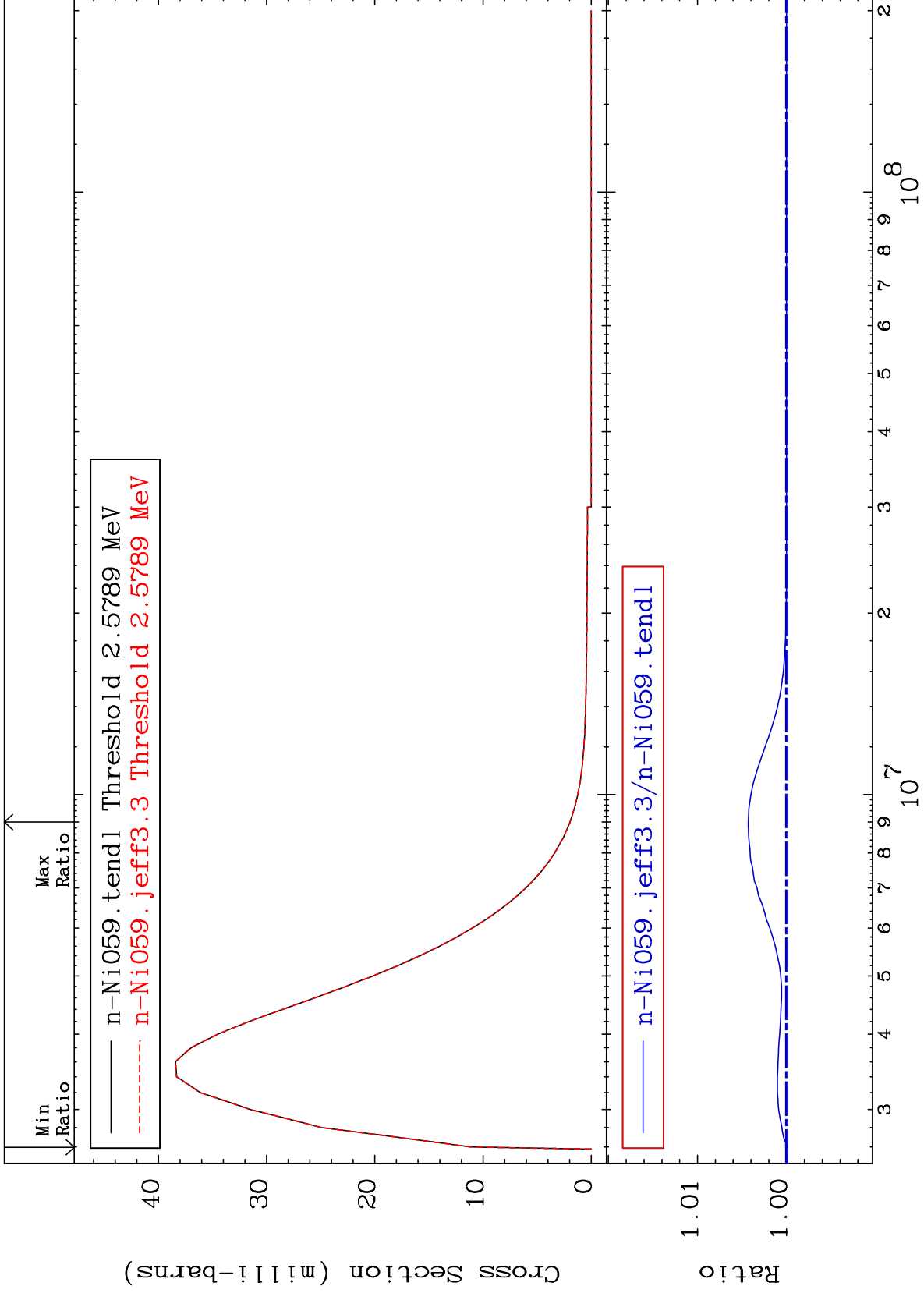
28-Ni-59
-0.007 To 0.416 %



MAT 2828

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

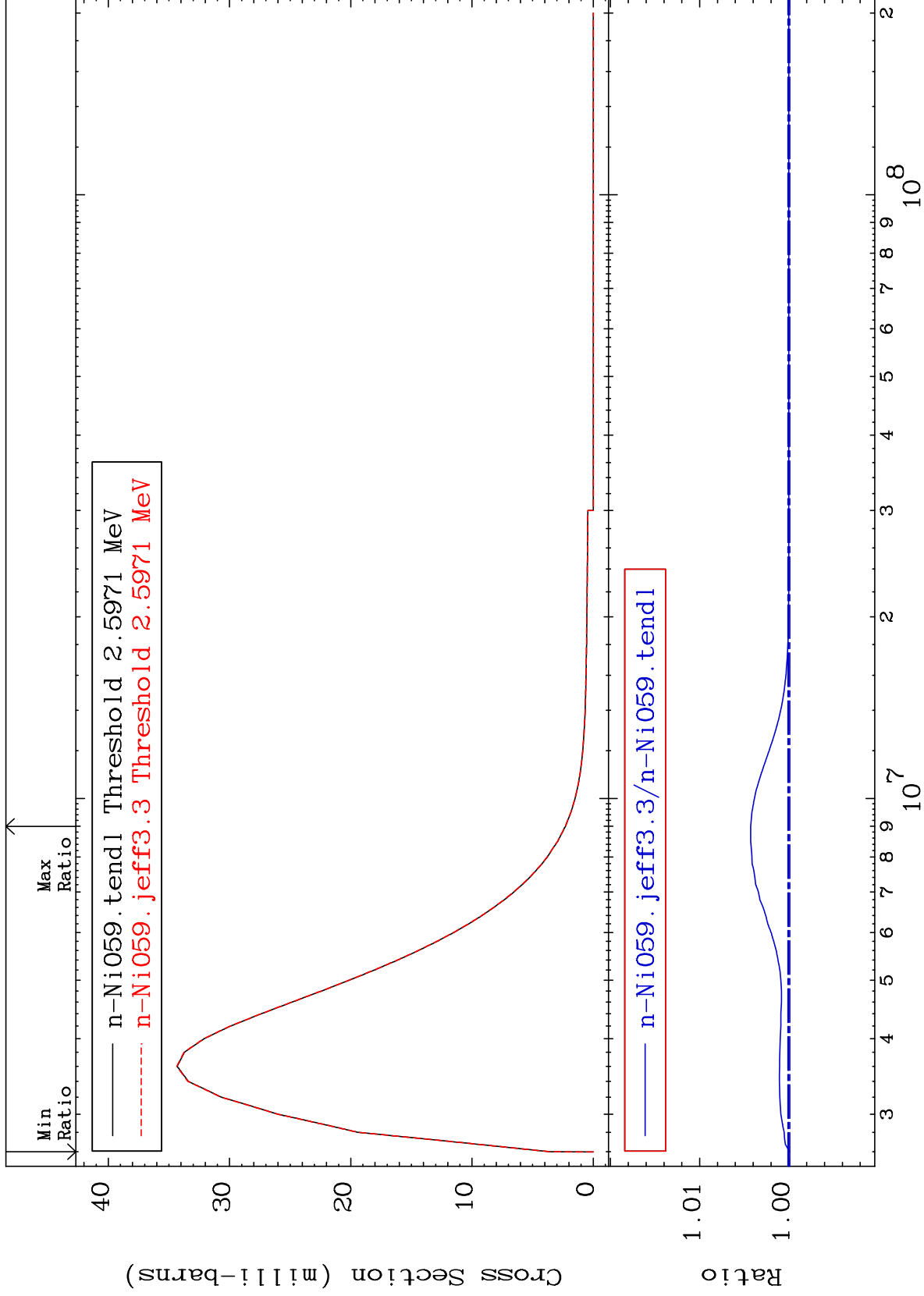
28-Ni-59
-0.012 To 0.431 %



MAT 2828

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

28-Ni-59
-0.008 To 0.427 %



37

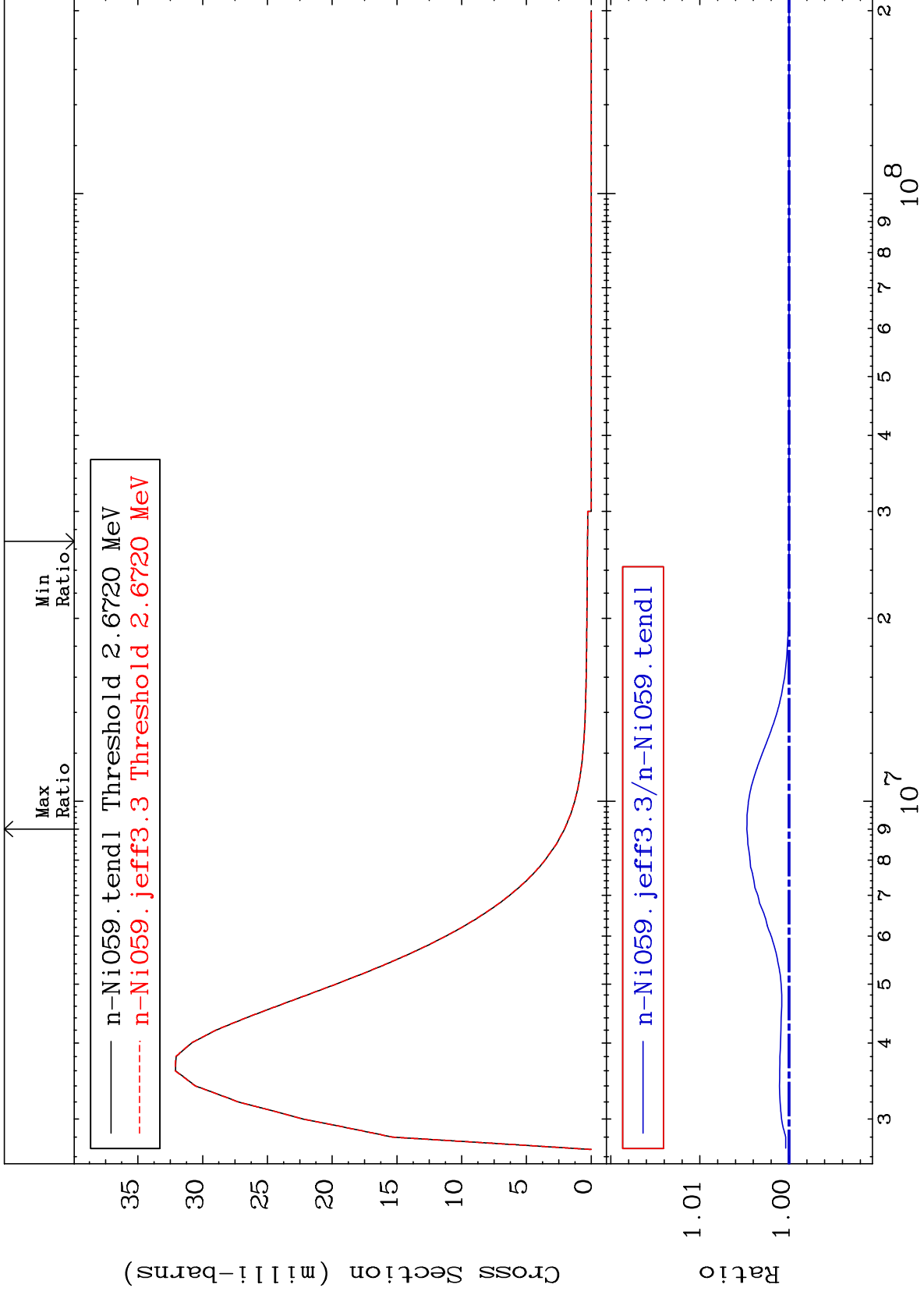
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
0.000 To 0.473 %



38

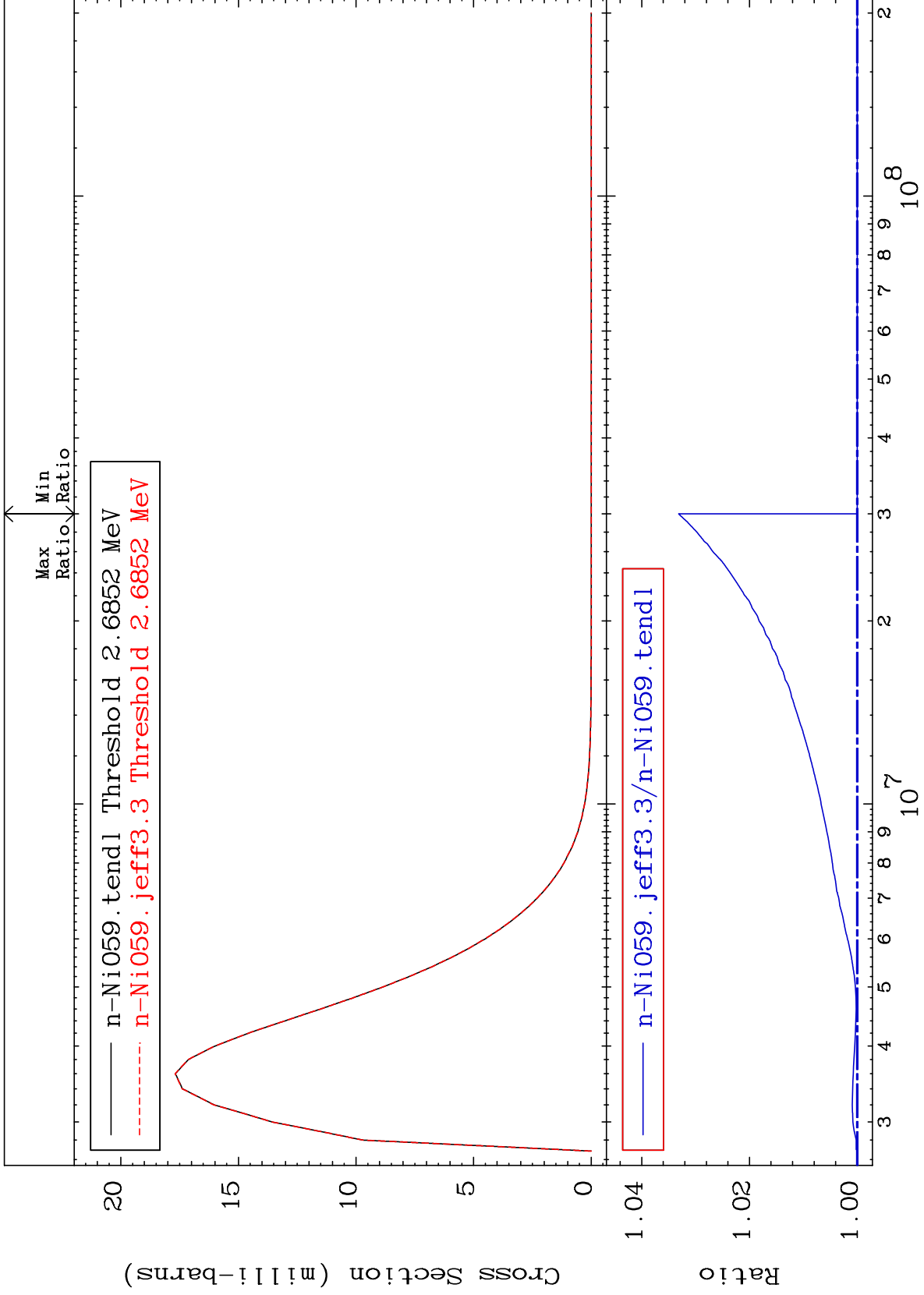
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
0.000 To 3.314 %



39

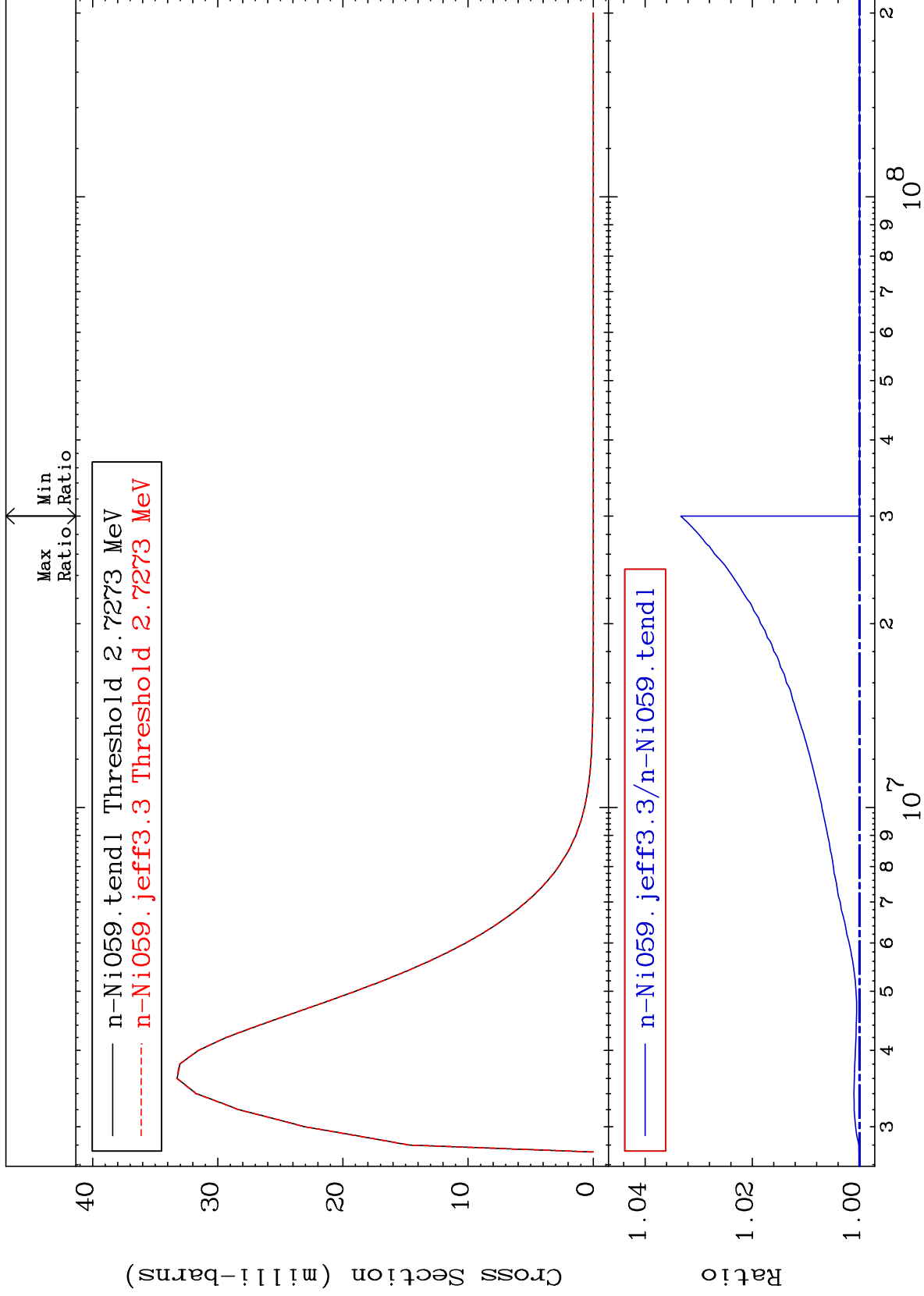
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
0.000 To 3.336 %



40

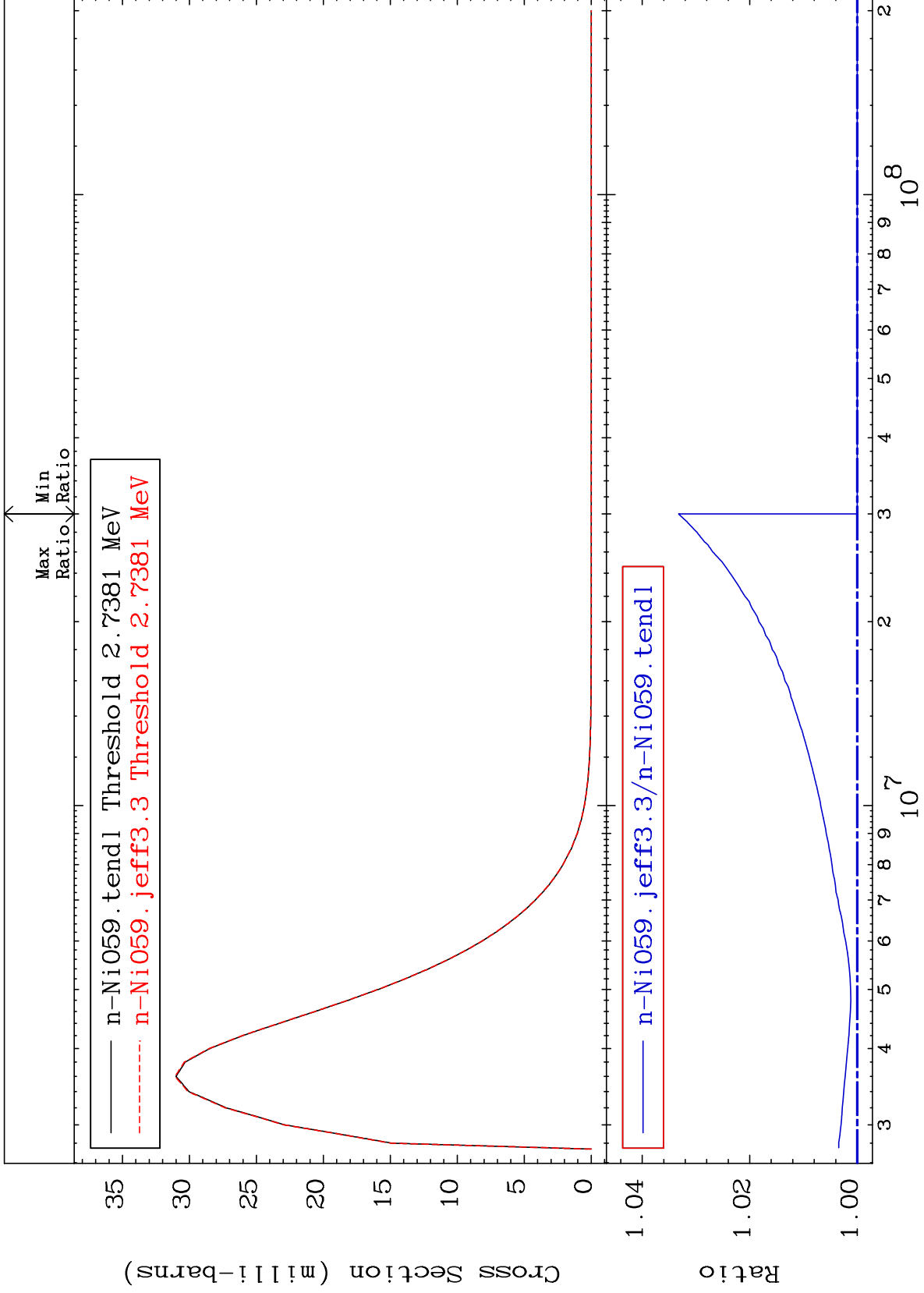
Incident Energy (eV)

28-Ni-59

MAT 2828

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

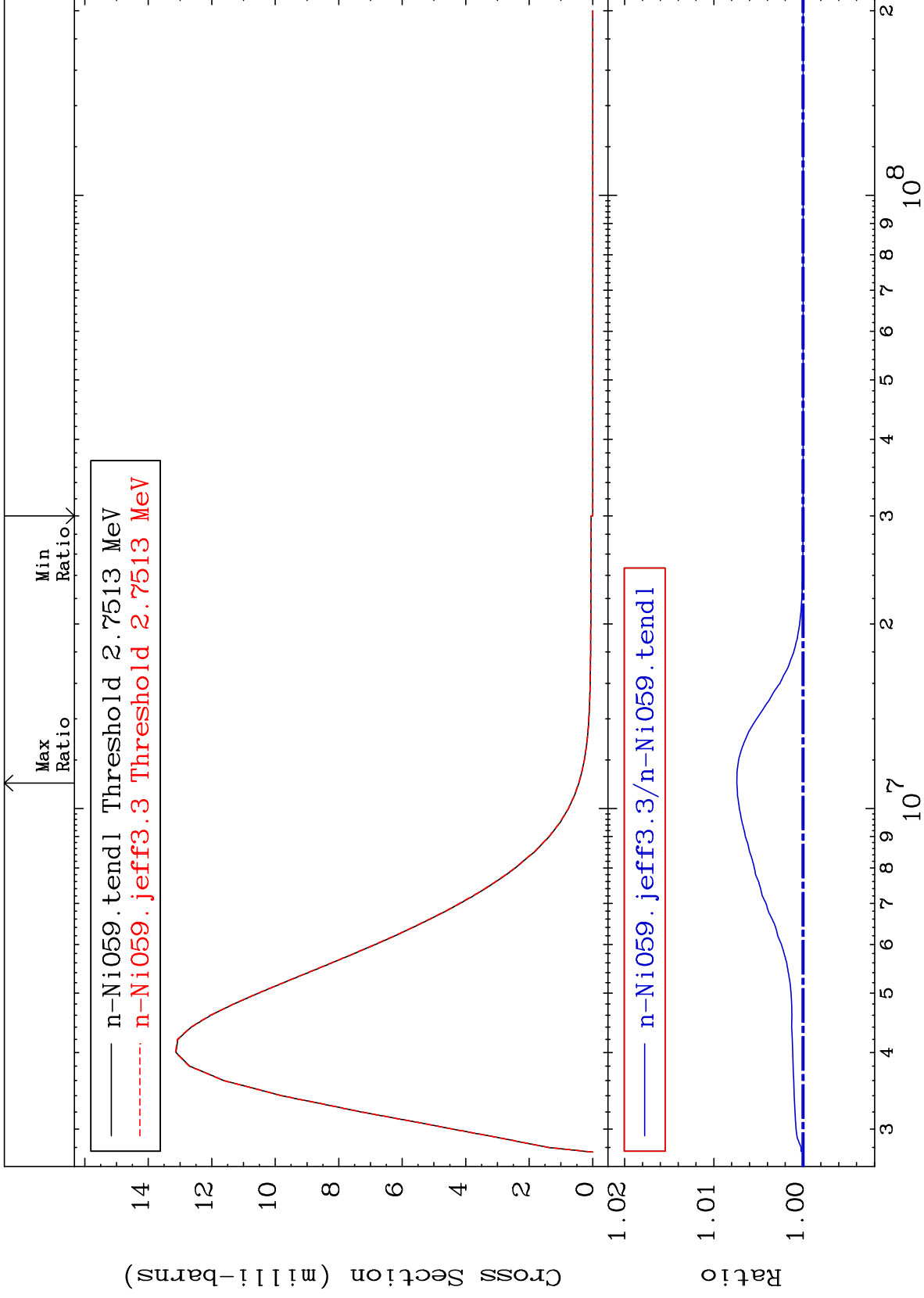
28-Ni-59
0.000 To 3.323 %



MAT 2828

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

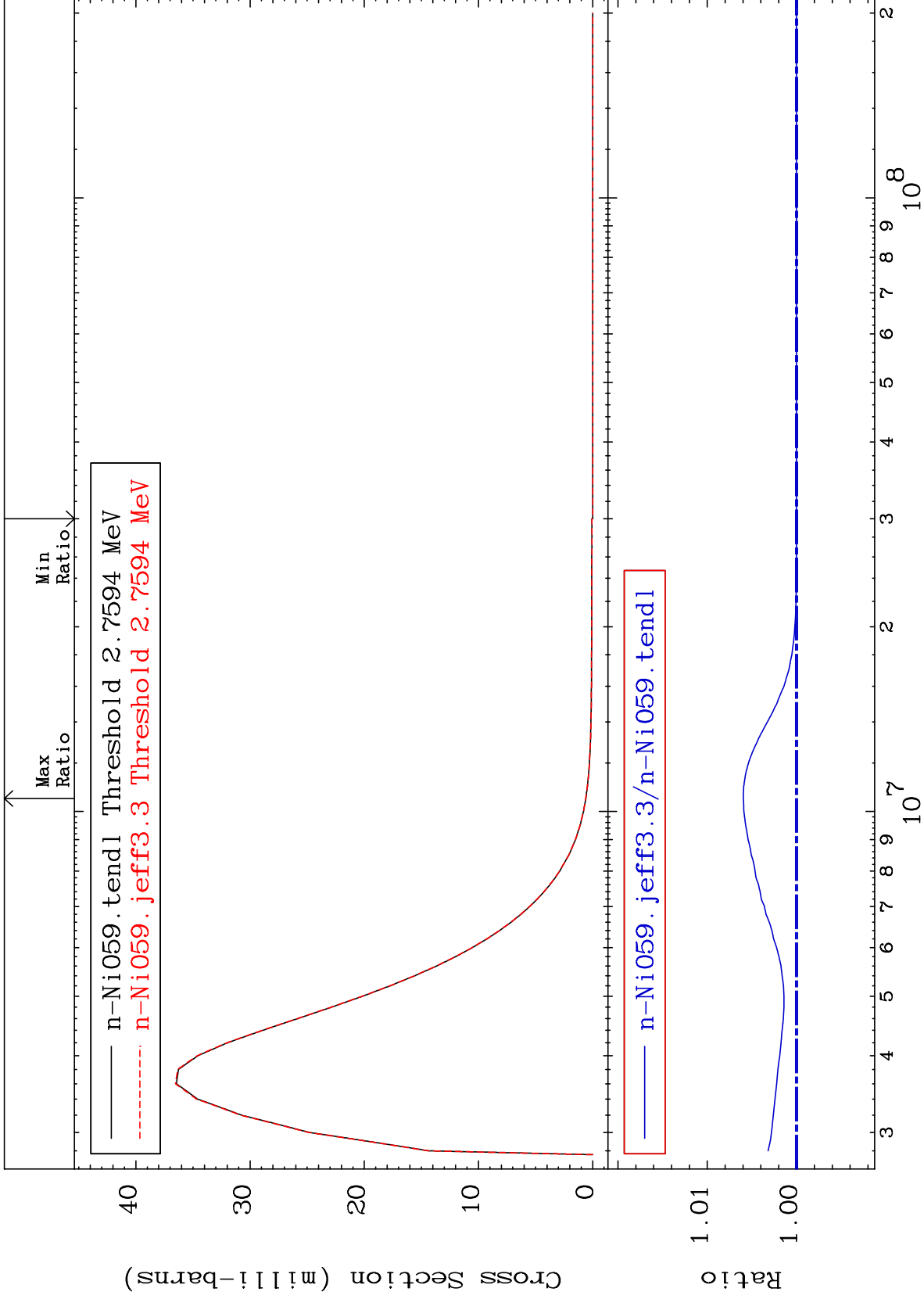
28-Ni-59
0.000 To 0.744 %



MAT 2828

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

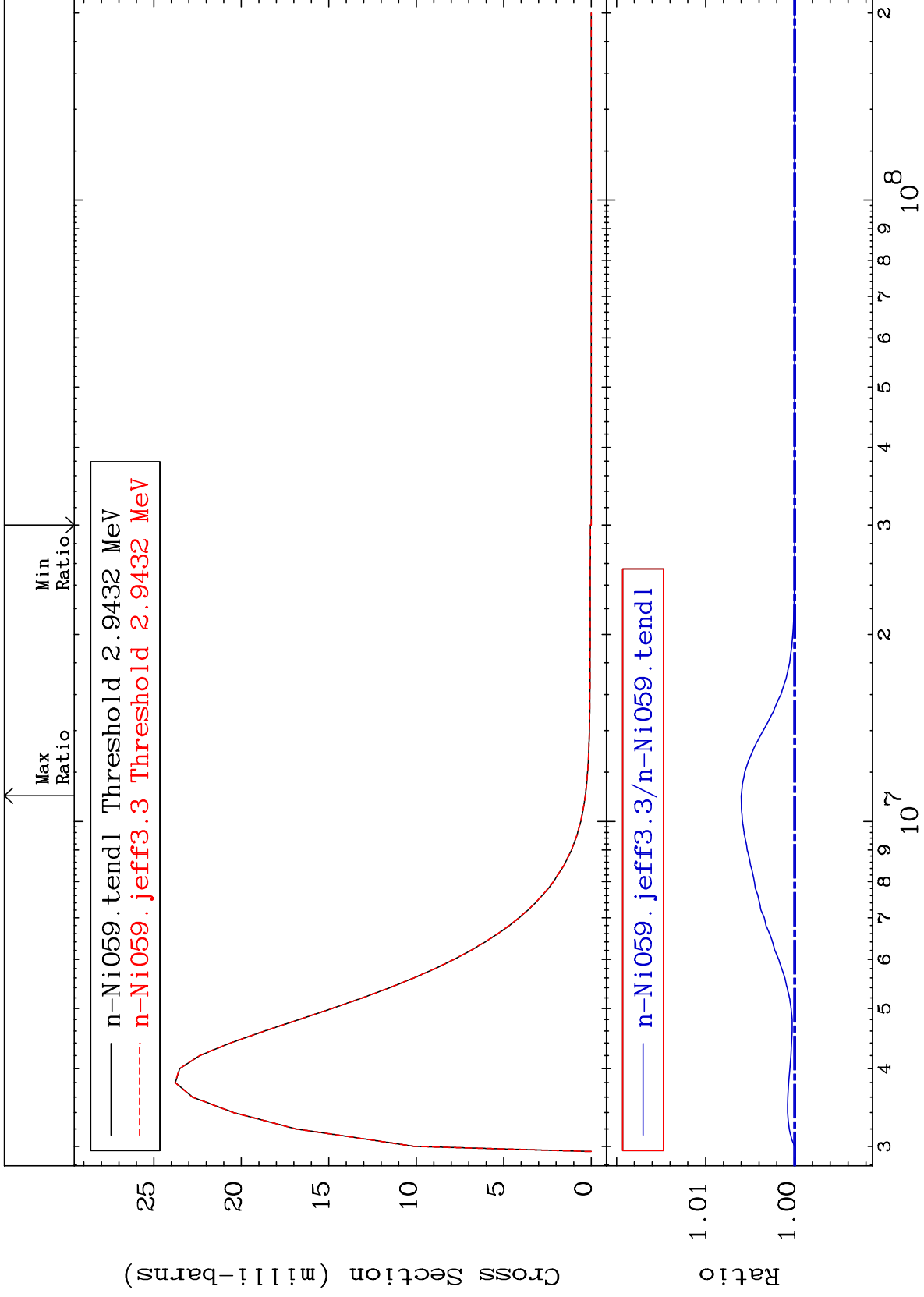
28-Ni-59
0.000 To 0.597 %



MAT 2828

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

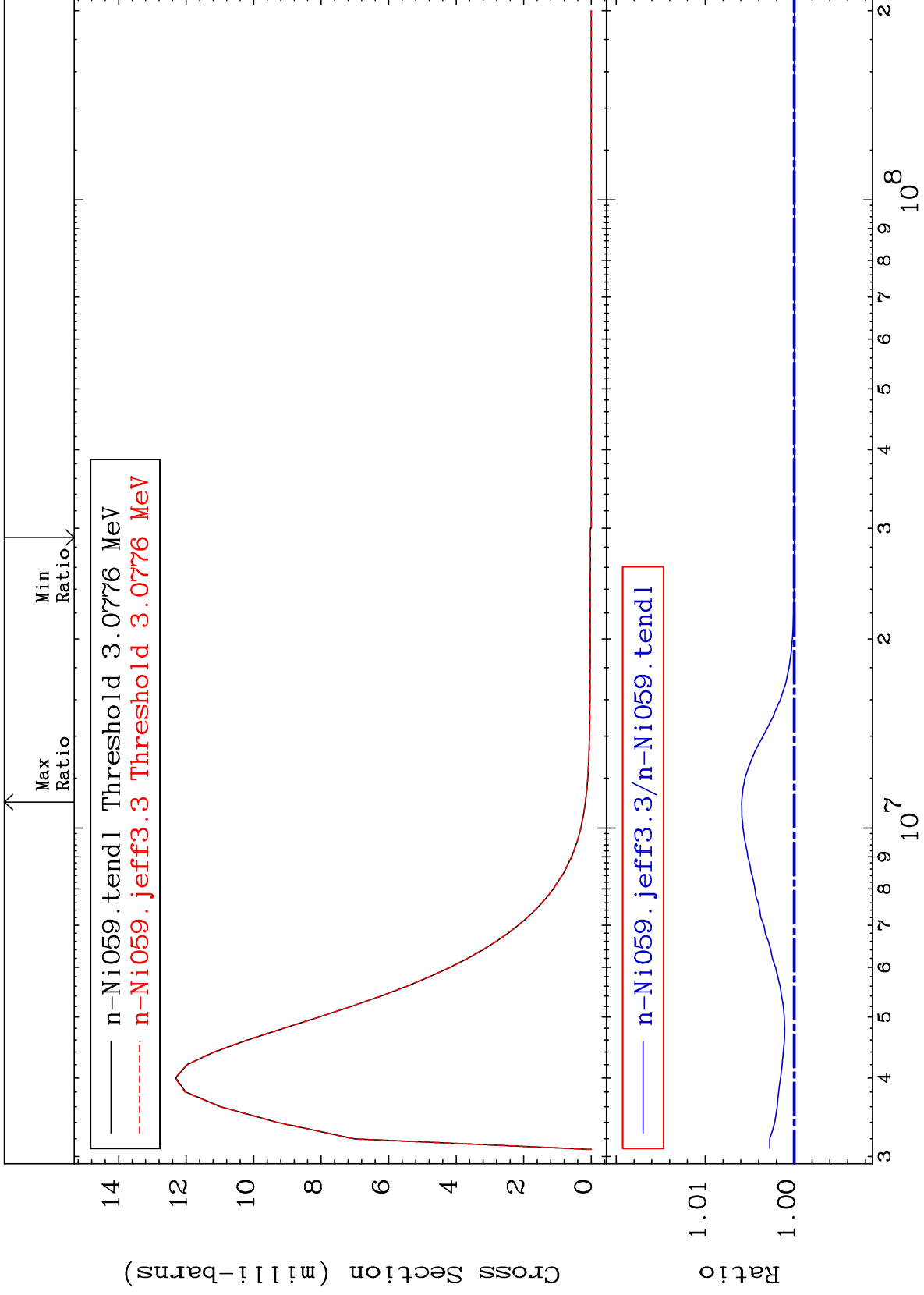
28-Ni-59
0.000 To 0.600 %



MAT 2828

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

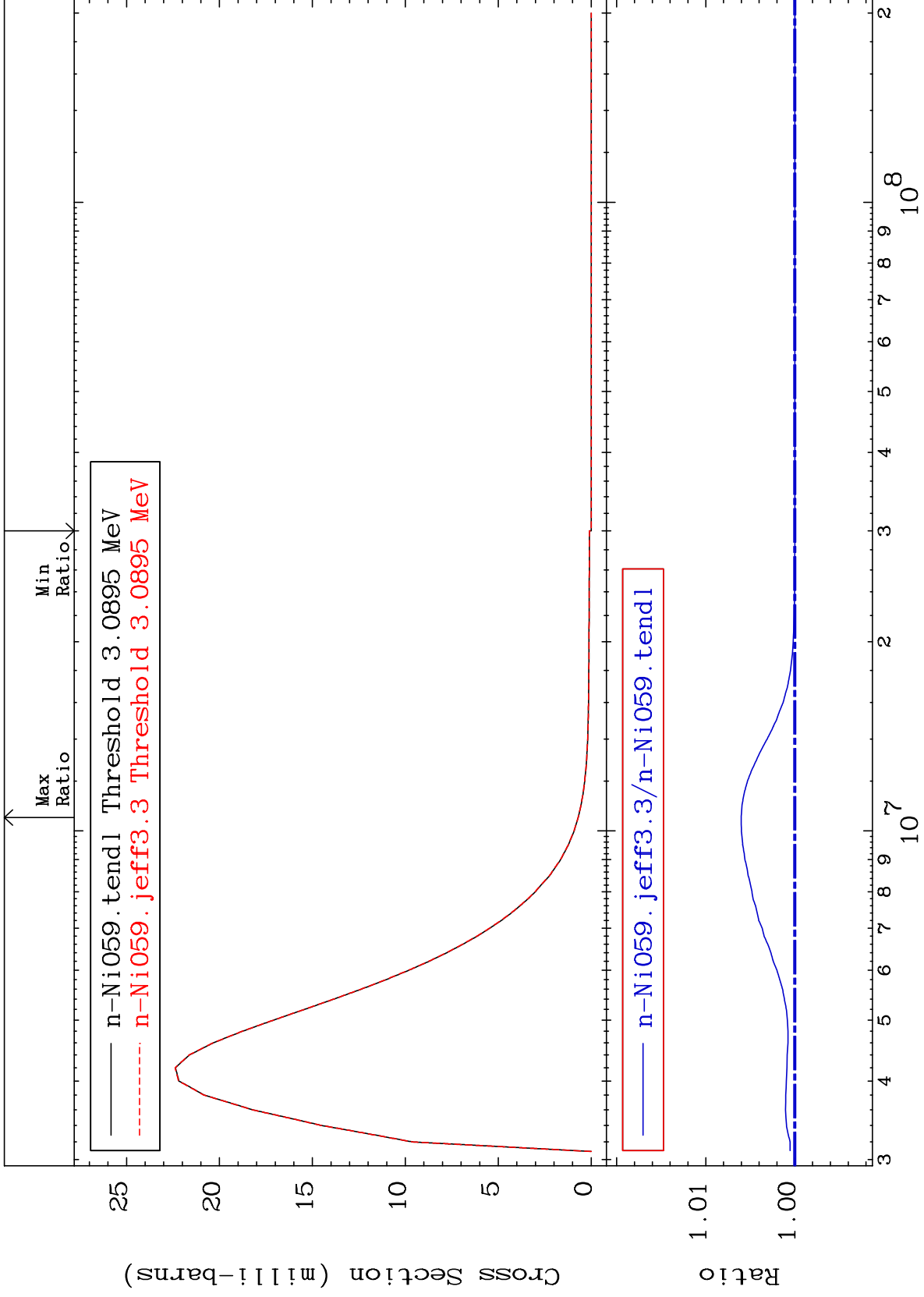
28-Ni-59
0.000 To 0.591 %



MAT 2828

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

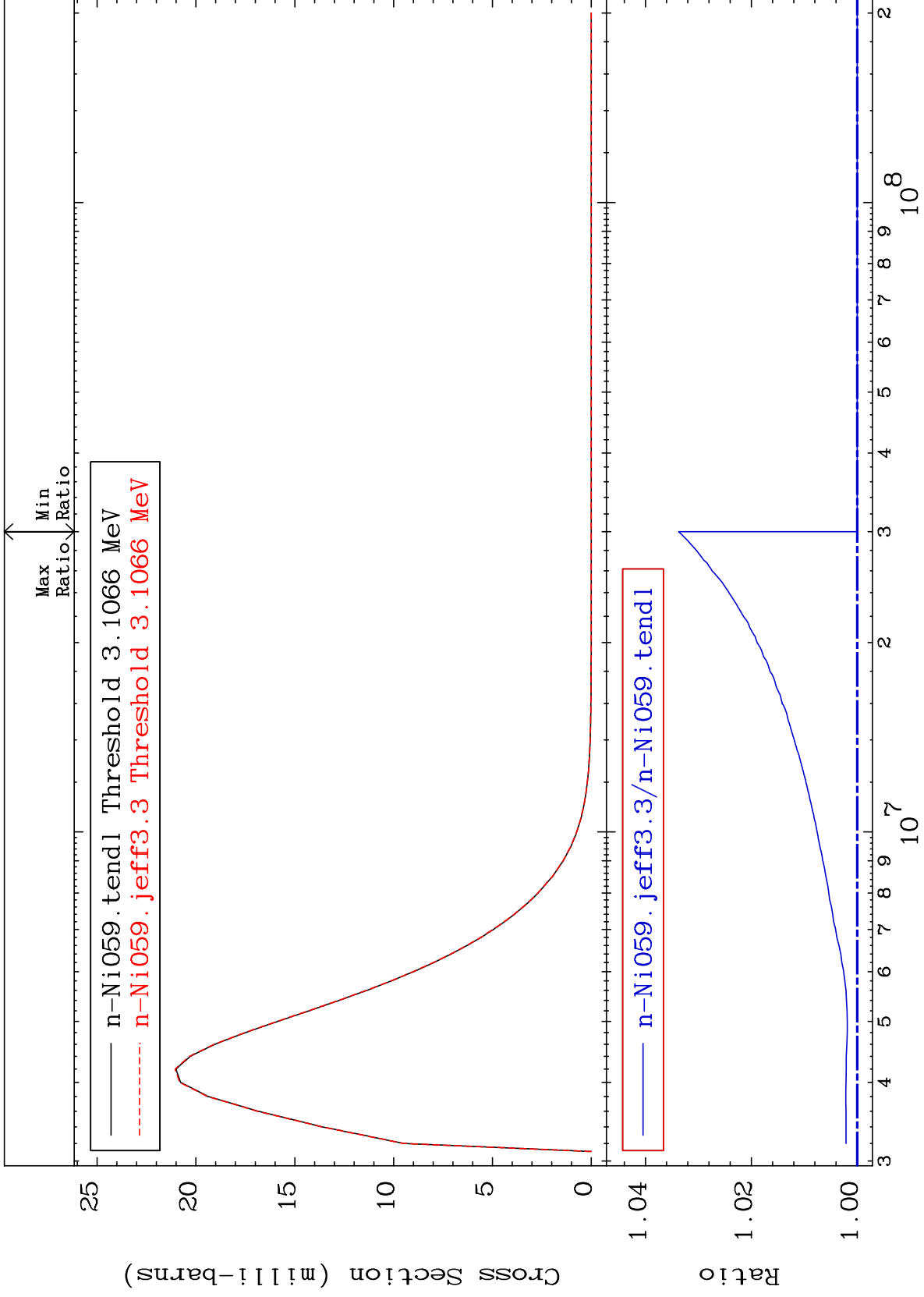
28-Ni-59
0.000 To 0.603 %



MAT 2828

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

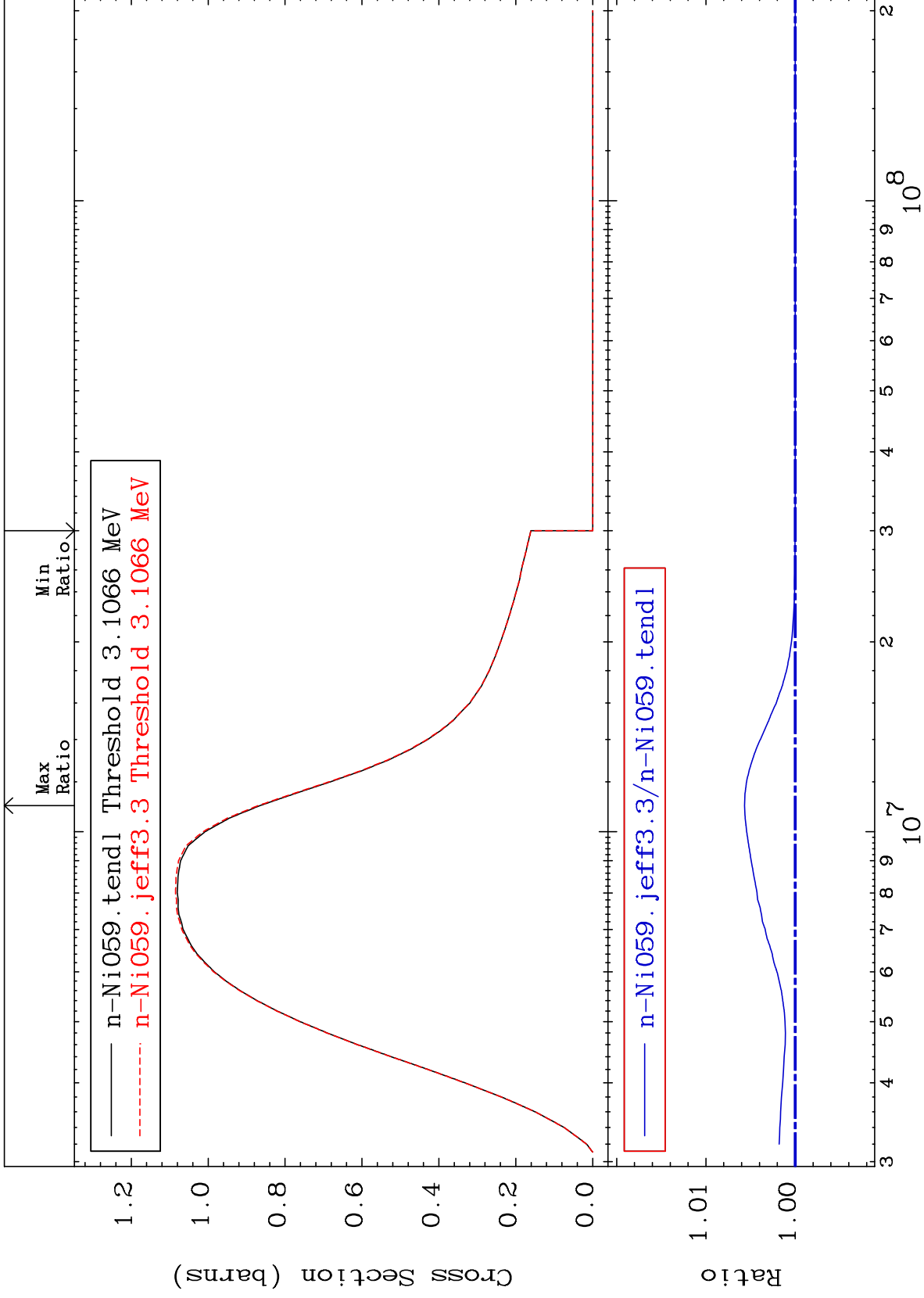
28-Ni-59
0.000 To 3.373 %



MAT 2828

(n,n') Continuum
Cross Section

28-Ni-59
0.000 To 0.568 %



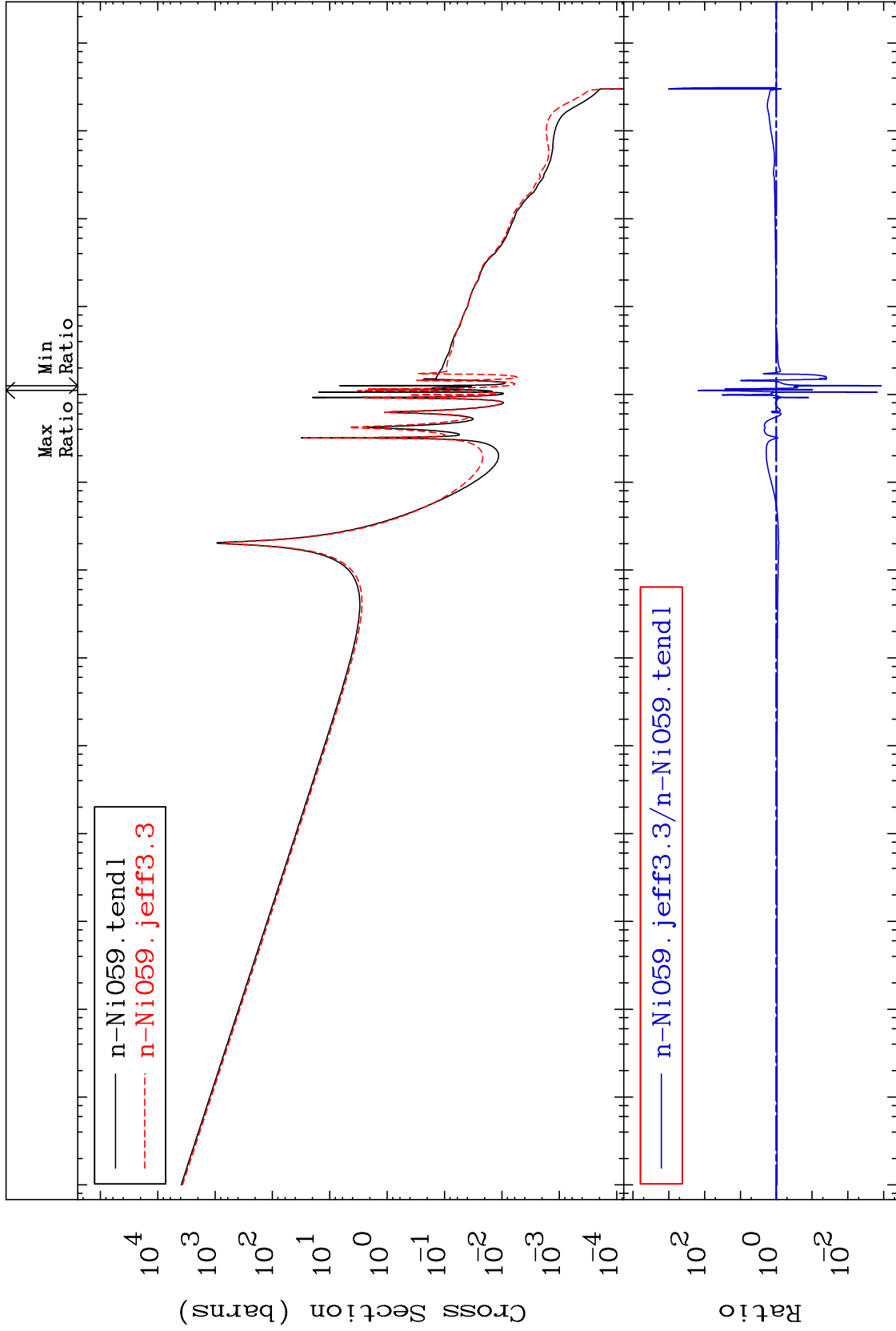
48

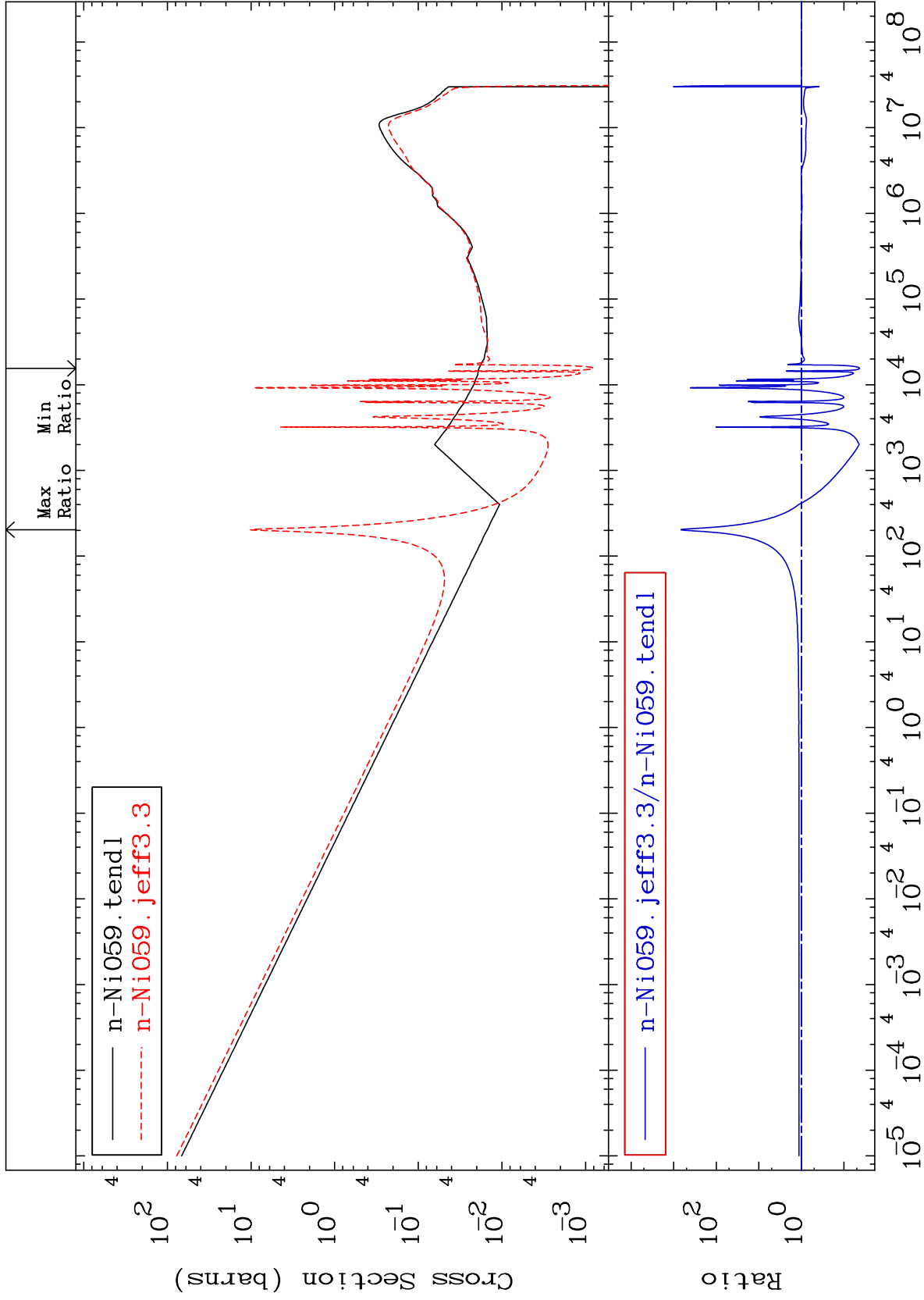
Incident Energy (eV)

28-Ni-59

Cross Section

-99.88 To 9999. %



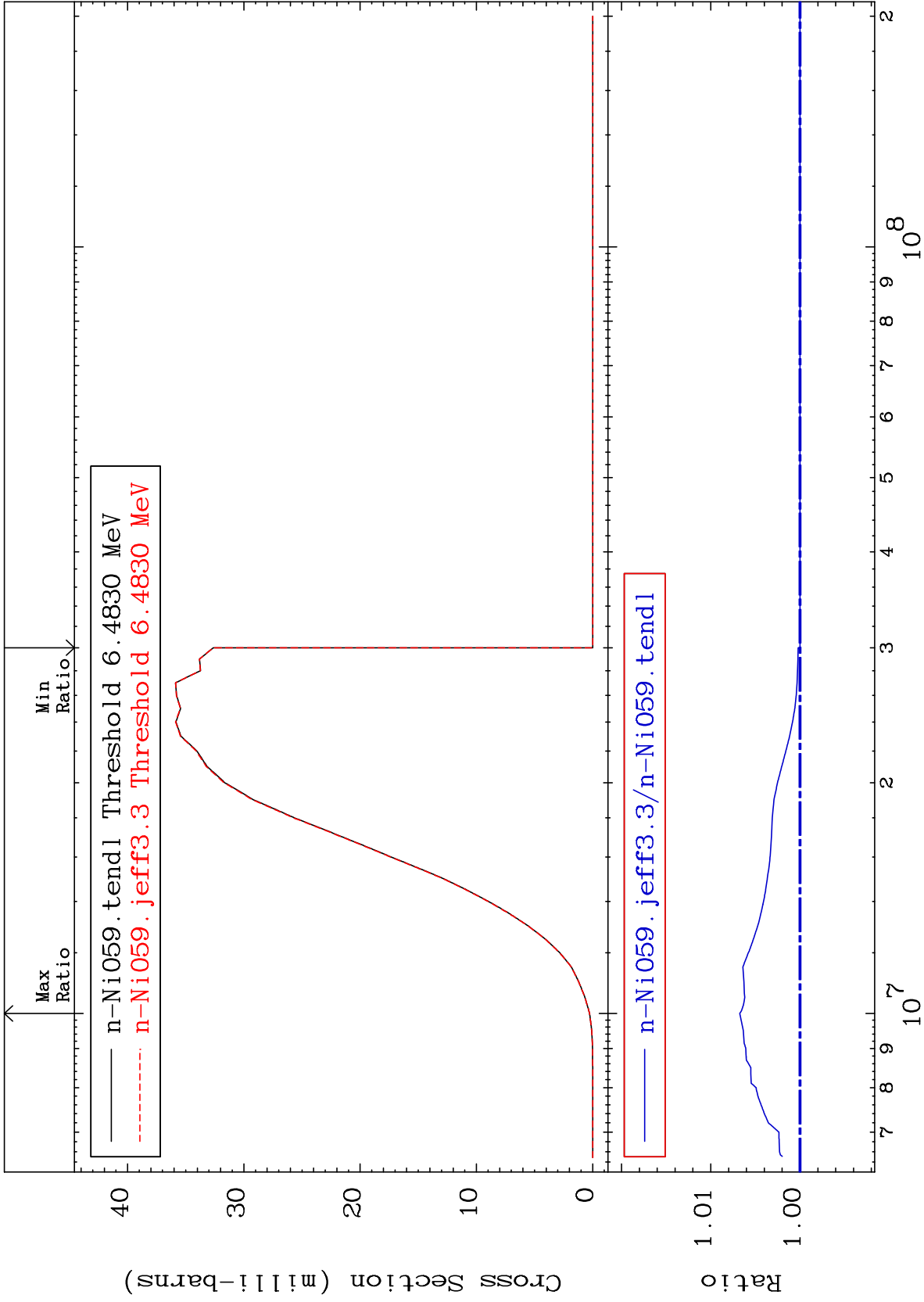


MAT 2828

28-Ni-59

0.000 To 0.675 %

(n, d)
Cross Section



51

Incident Energy (eV)

28-Ni-59

MAT 2828

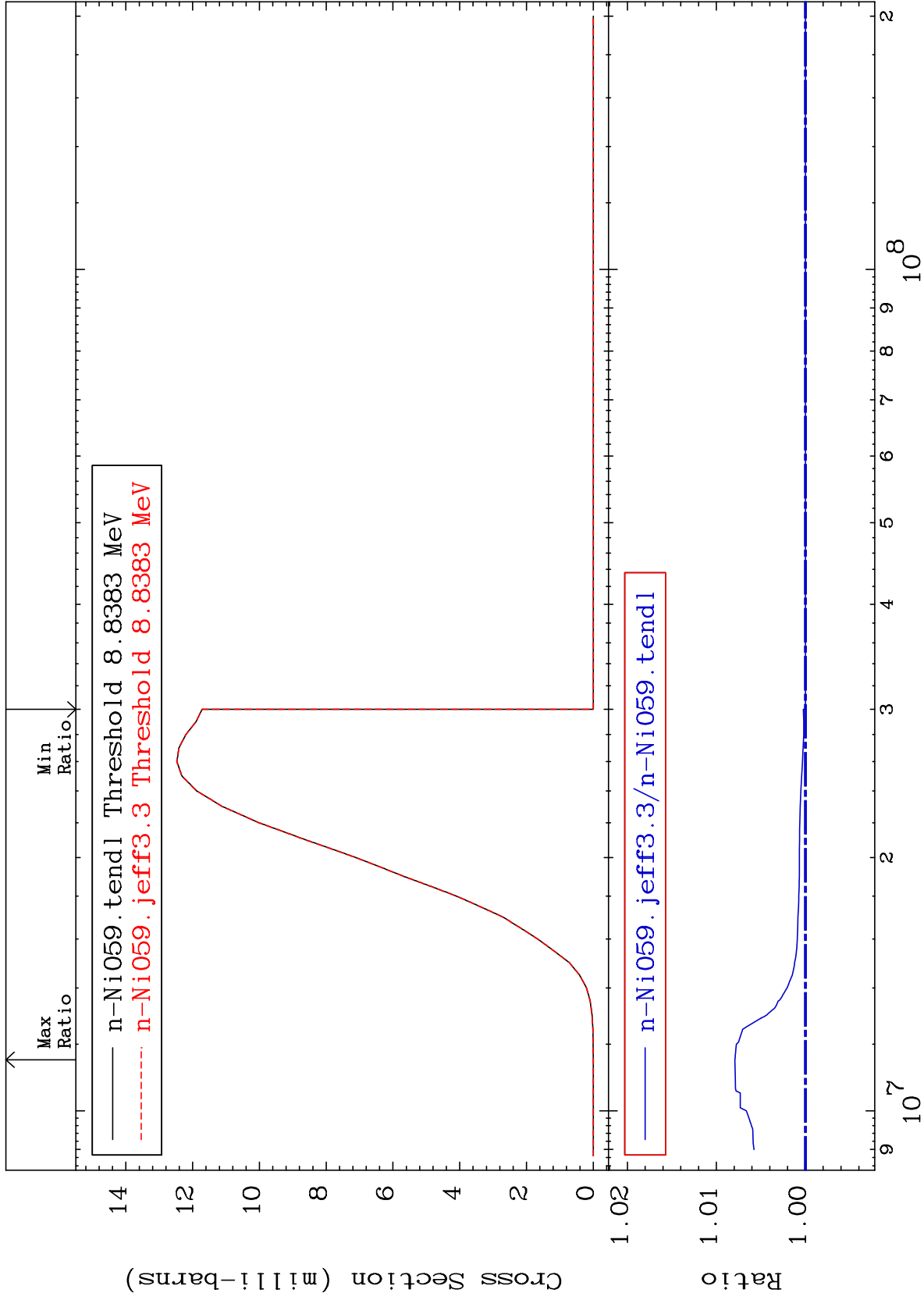
(n, t)

28-Ni-59

Cross Section

0.000

To 0.792 %



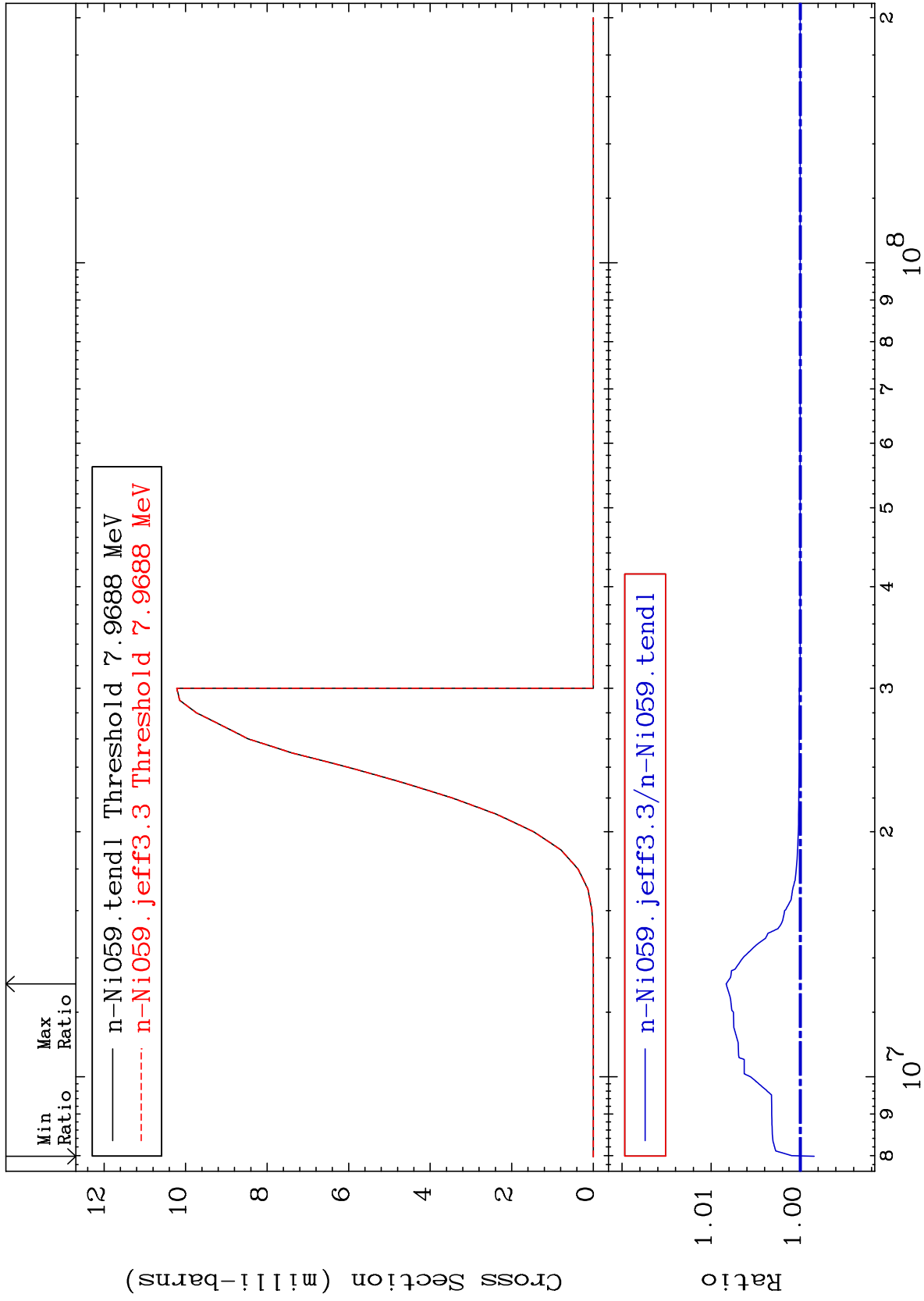
52

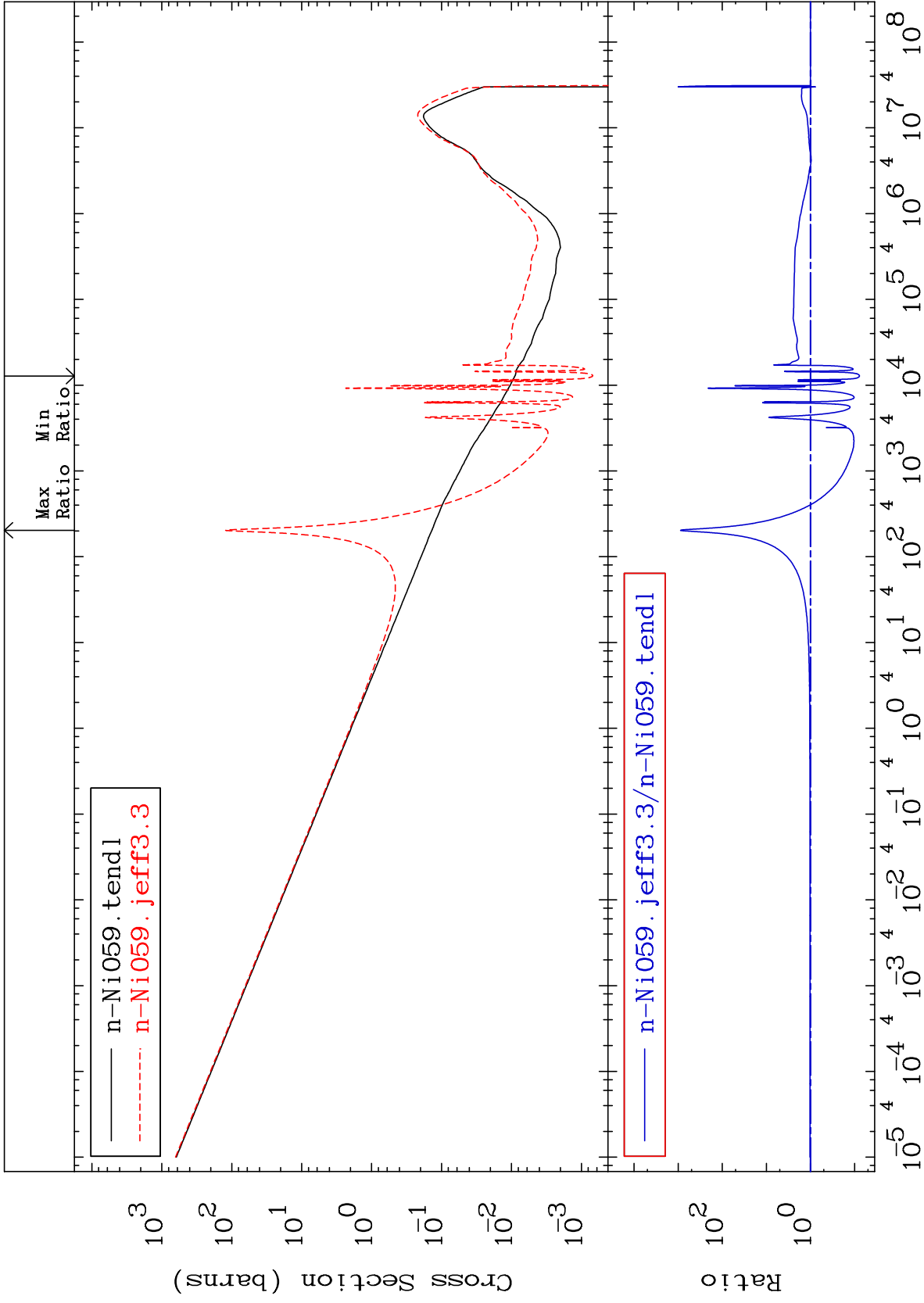
Incident Energy (eV)

28-Ni-59

Cross Section

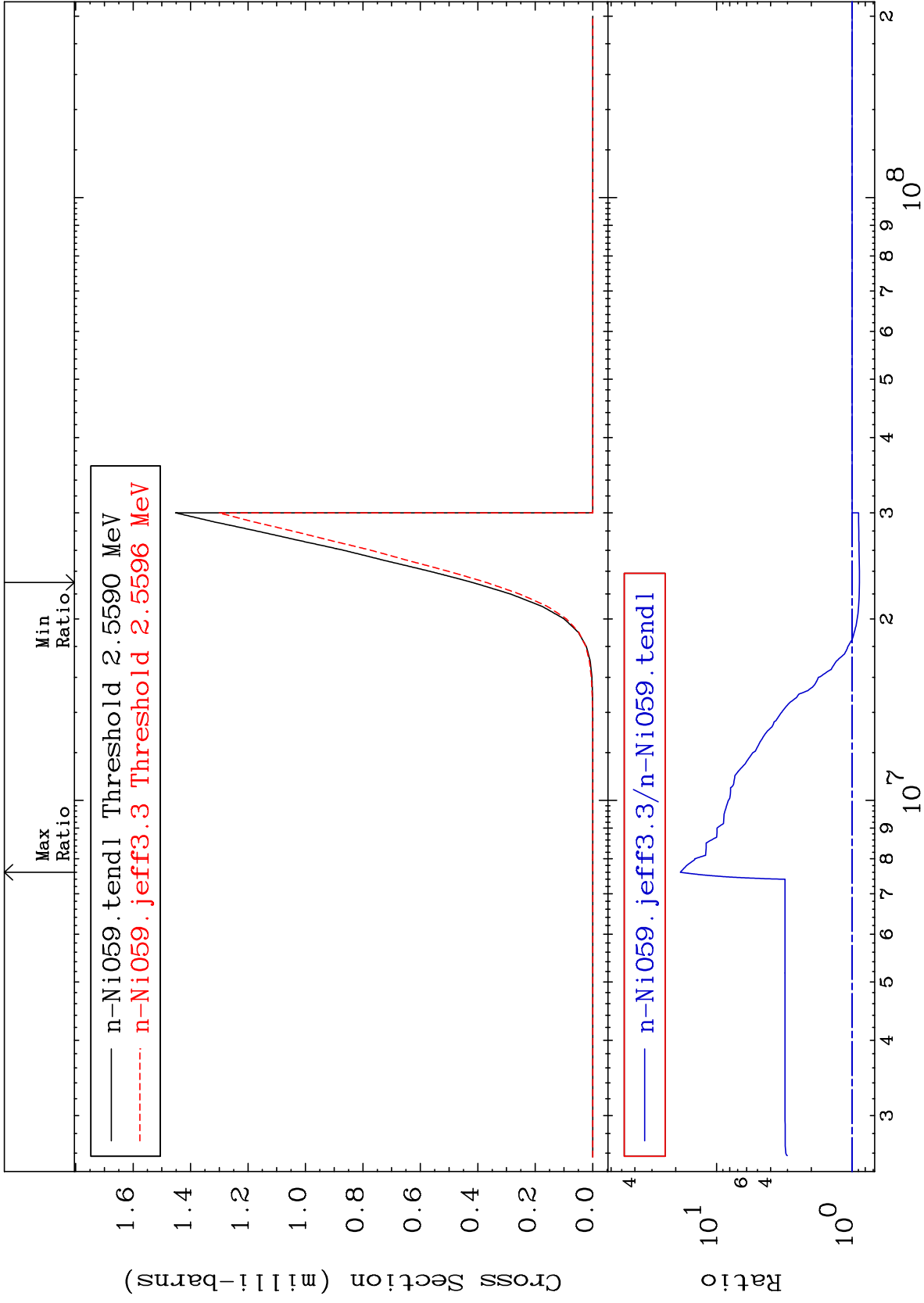
-0.156 To 0.832 %





Cross Section

-11.58 To 1749. %

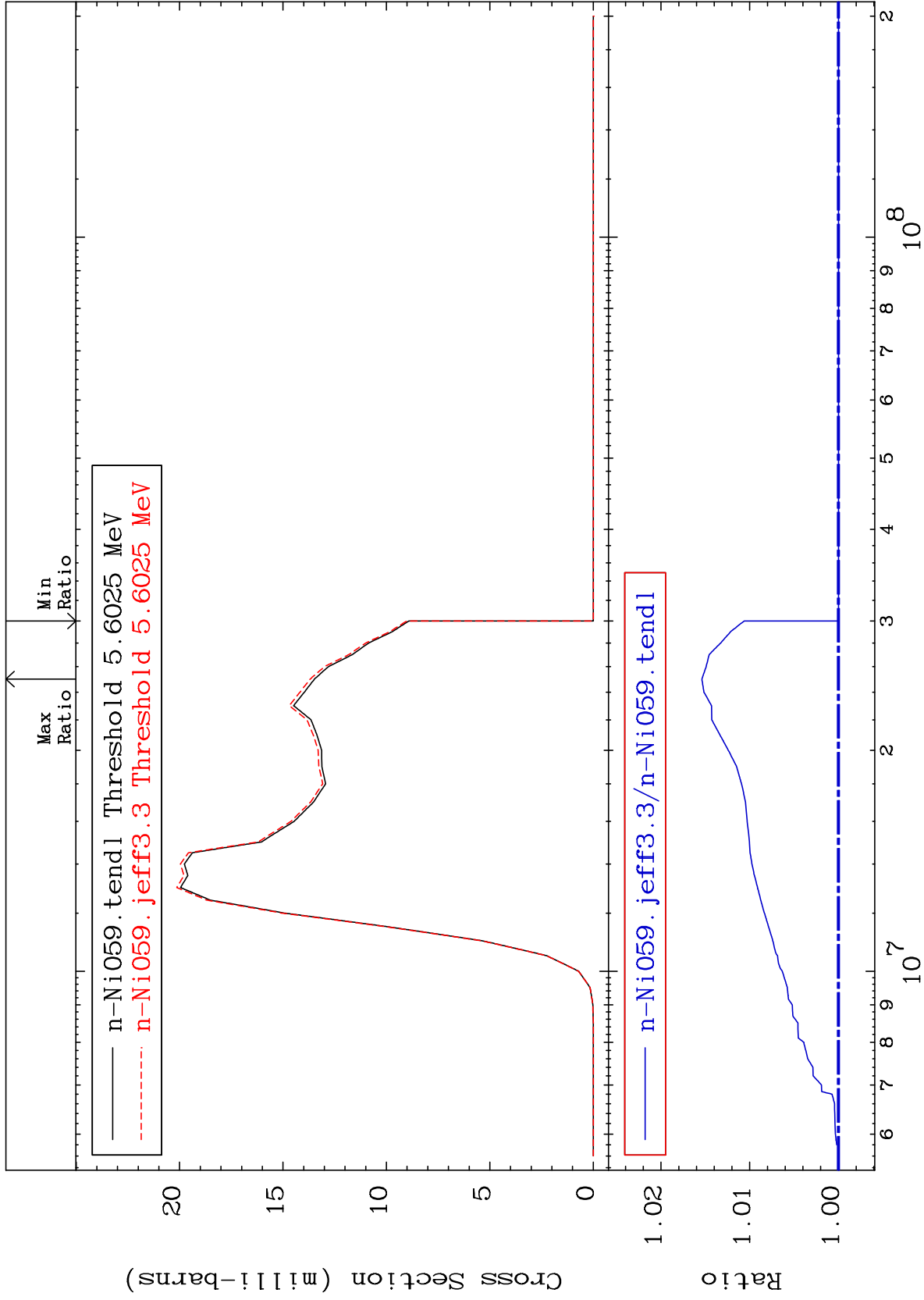


MAT 2828

28-Ni-59

(n,2p) To 1.539 %

Cross Section



56

Incident Energy (eV)

28-Ni-59

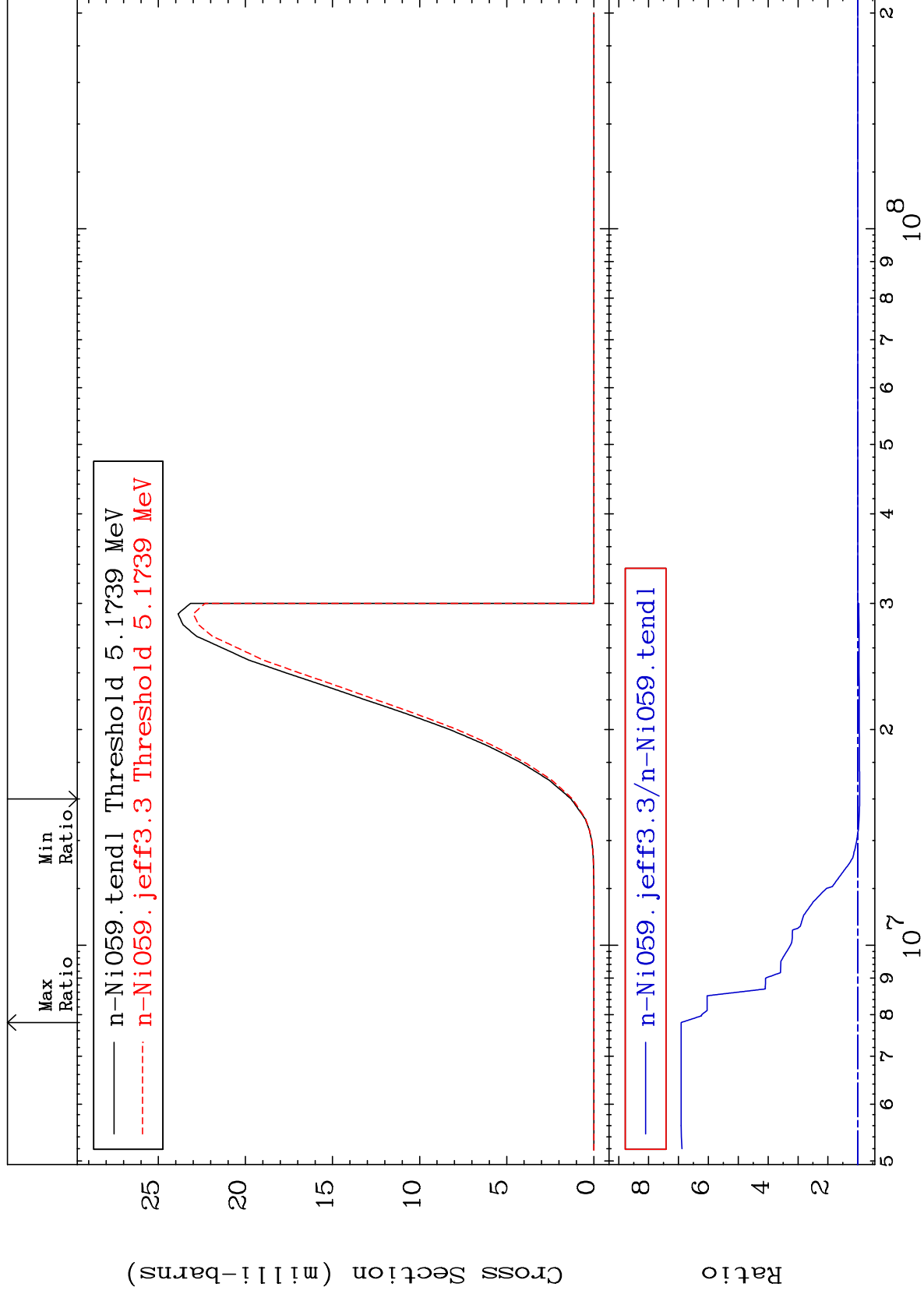
MAT 2828

(n, p) α

28-Ni-59

Cross Section

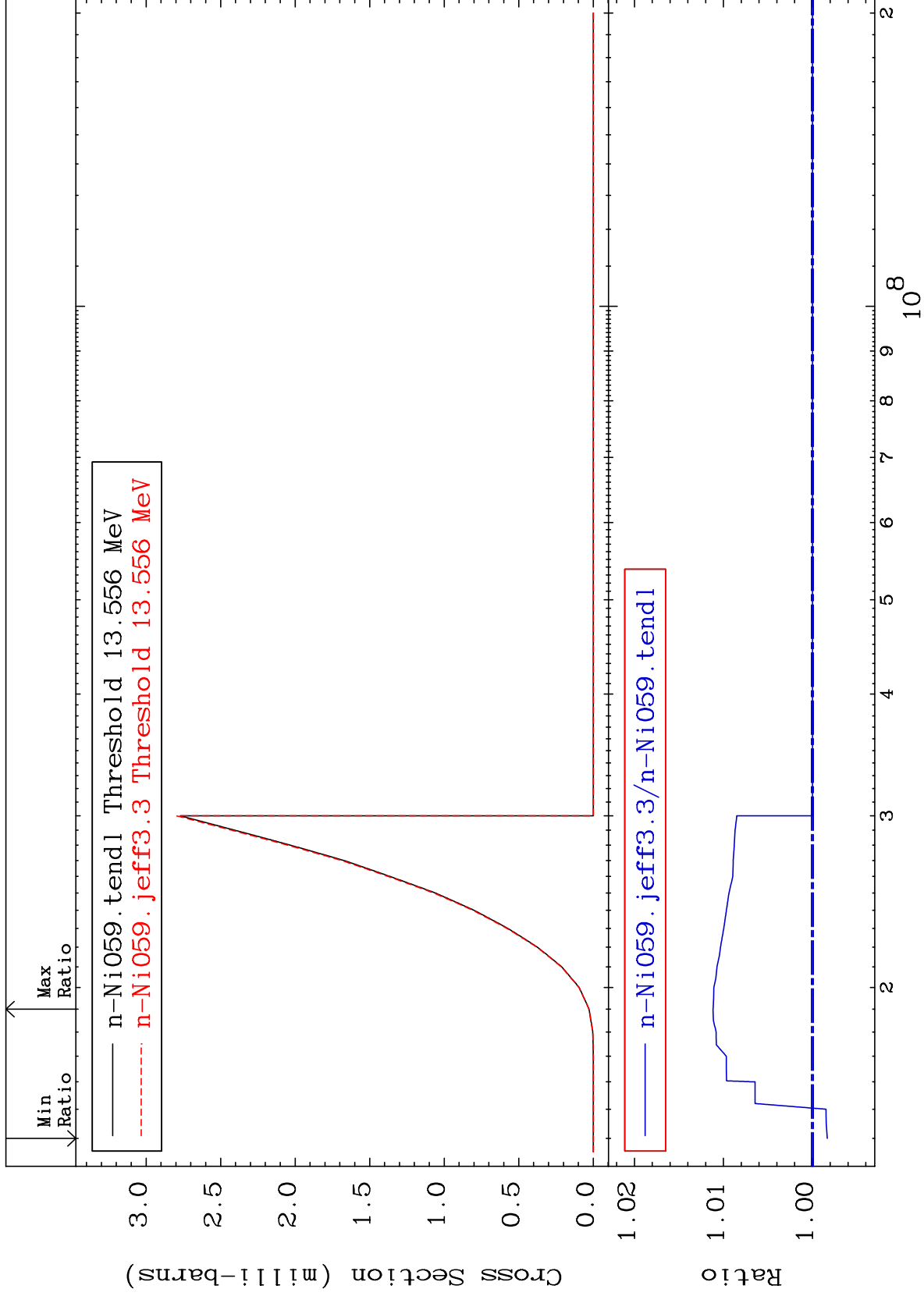
-6.183 To 591.0 %



57

Incident Energy (eV)

28-Ni-59



MAT 2828

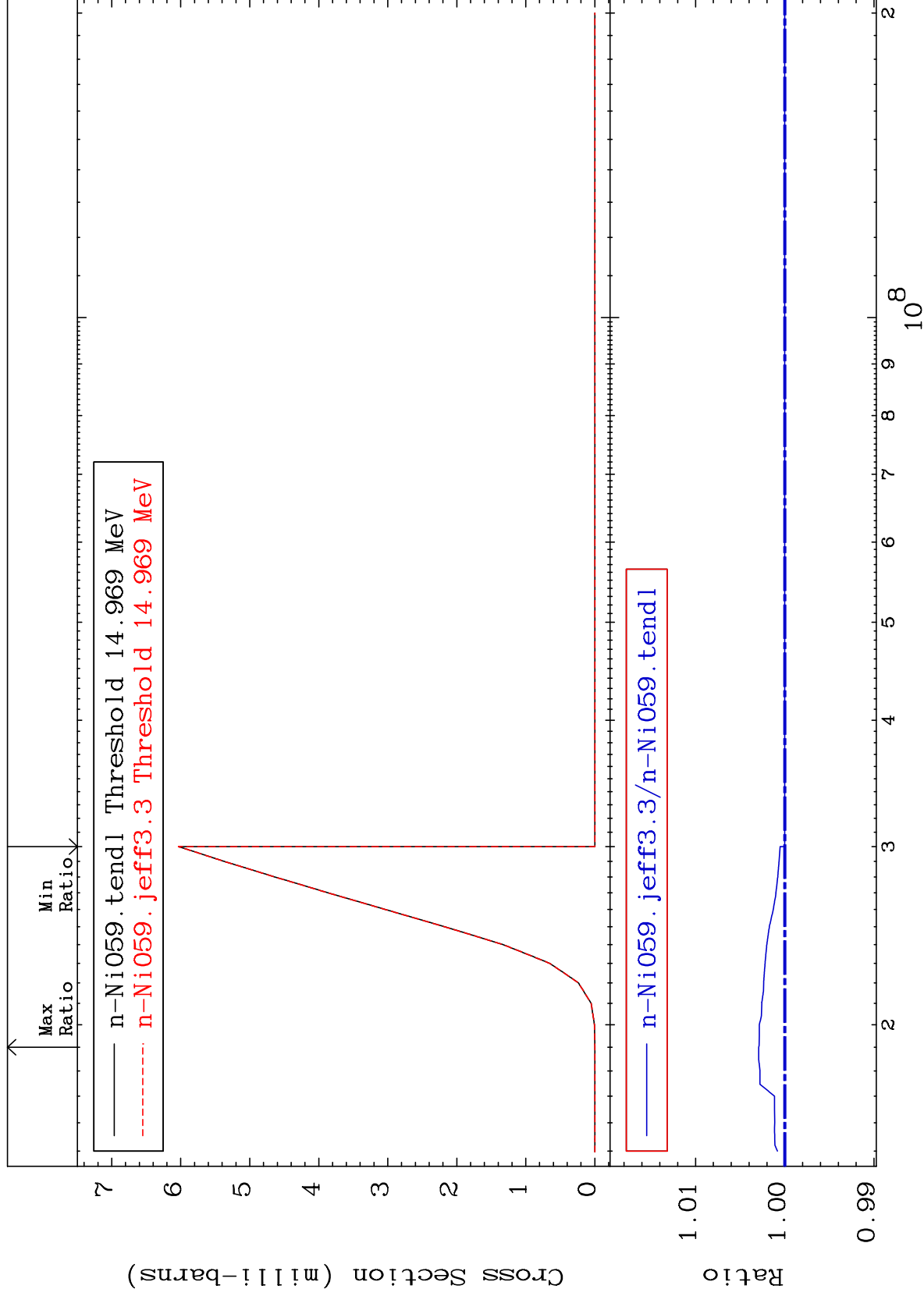
(n,p) t

28-Ni-59

Cross Section

0.000

To 0.292 %



59

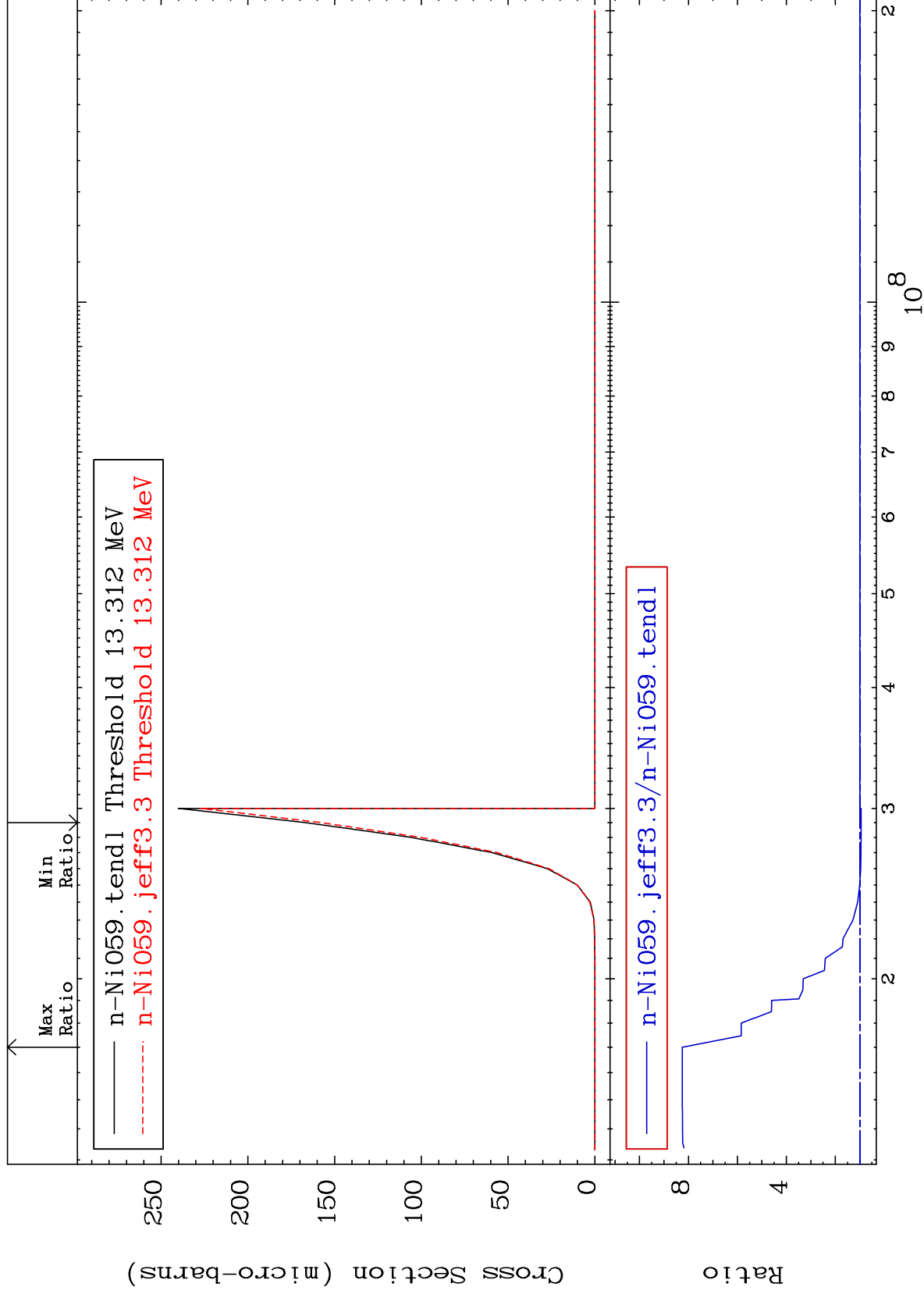
Incident Energy (eV)

28-Ni-59

MAT 2828

(n, d) α
Cross Section

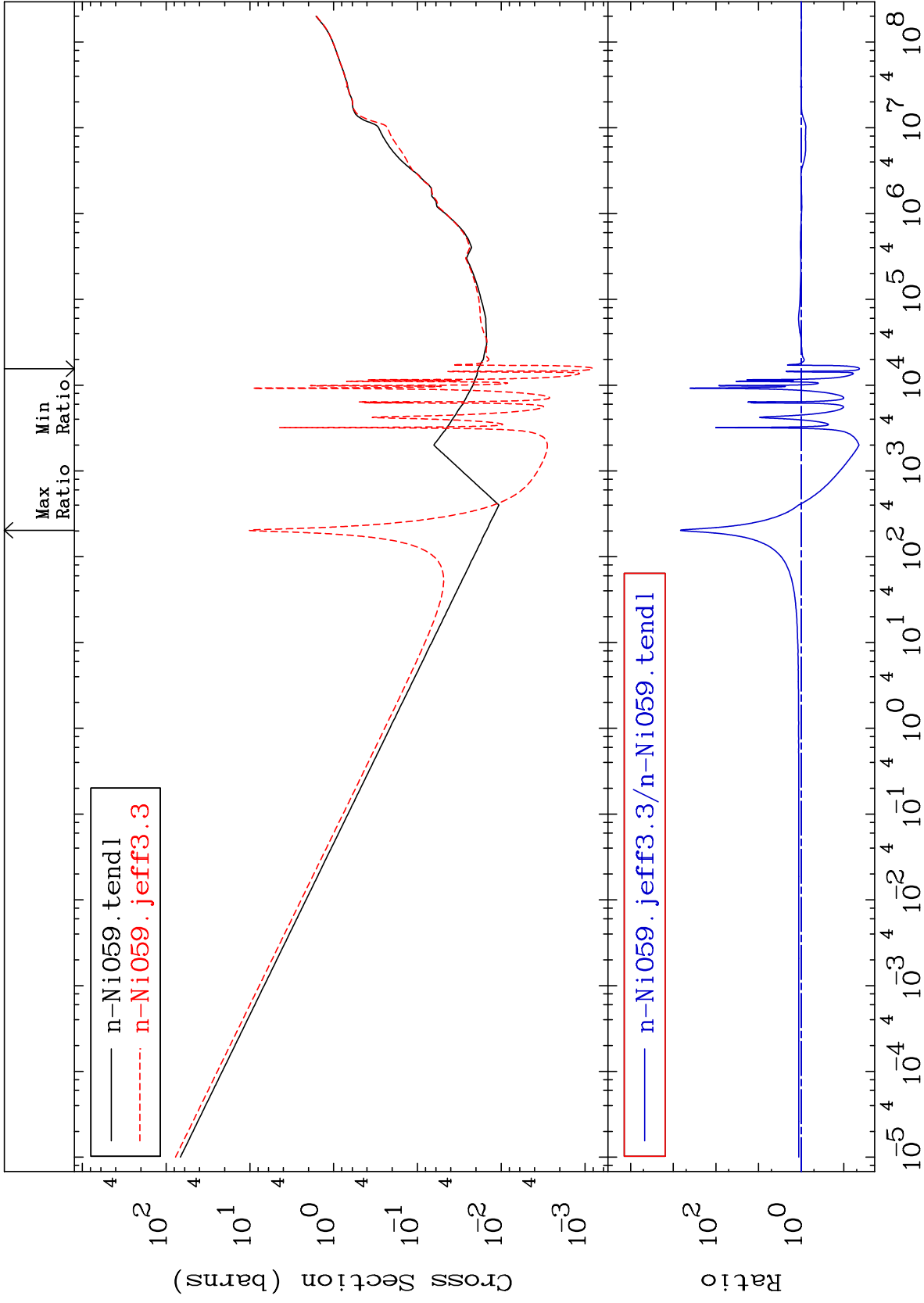
28-Ni-59
-5.419 To 725.0 %



60

28-Ni-59

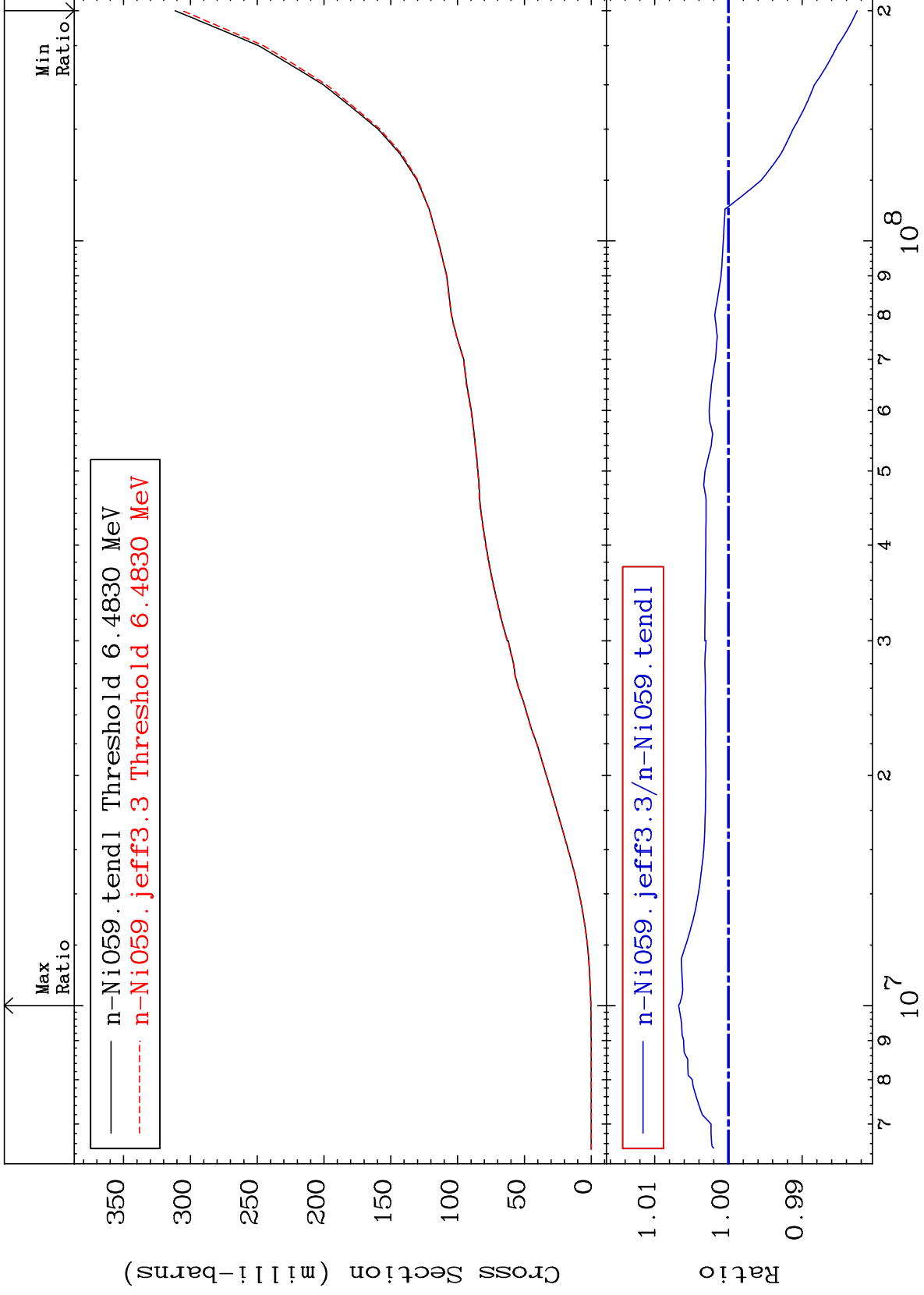
28-Ni-59



MAT 2828

Deuterium Production
Cross Section

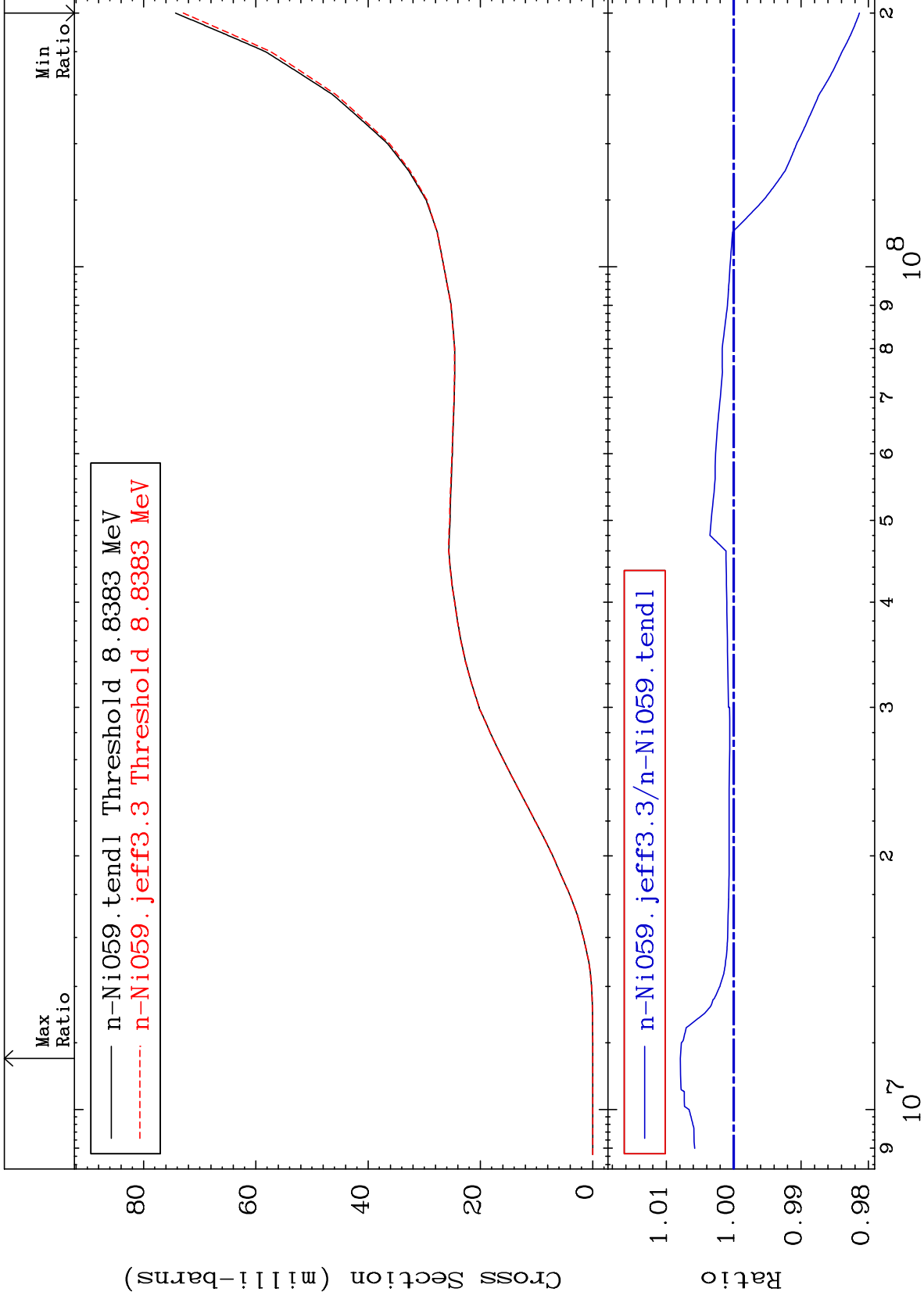
28-Ni-59
-1.746 To 0.675 %



MAT 2828

Tritium Production
Cross Section

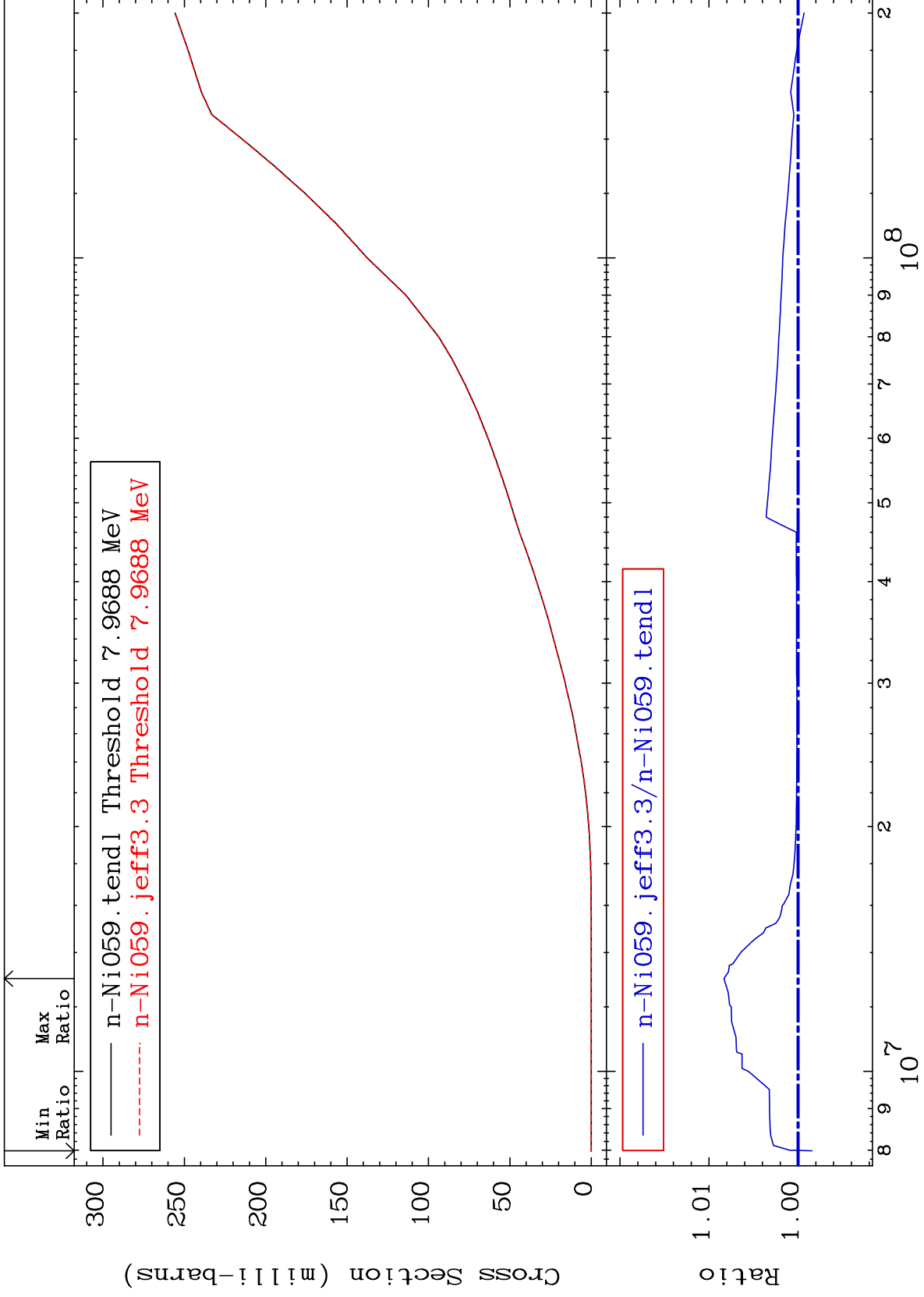
28-Ni-59
-1.866 To 0.792 %



MAT 2828

He-3 Production
Cross Section

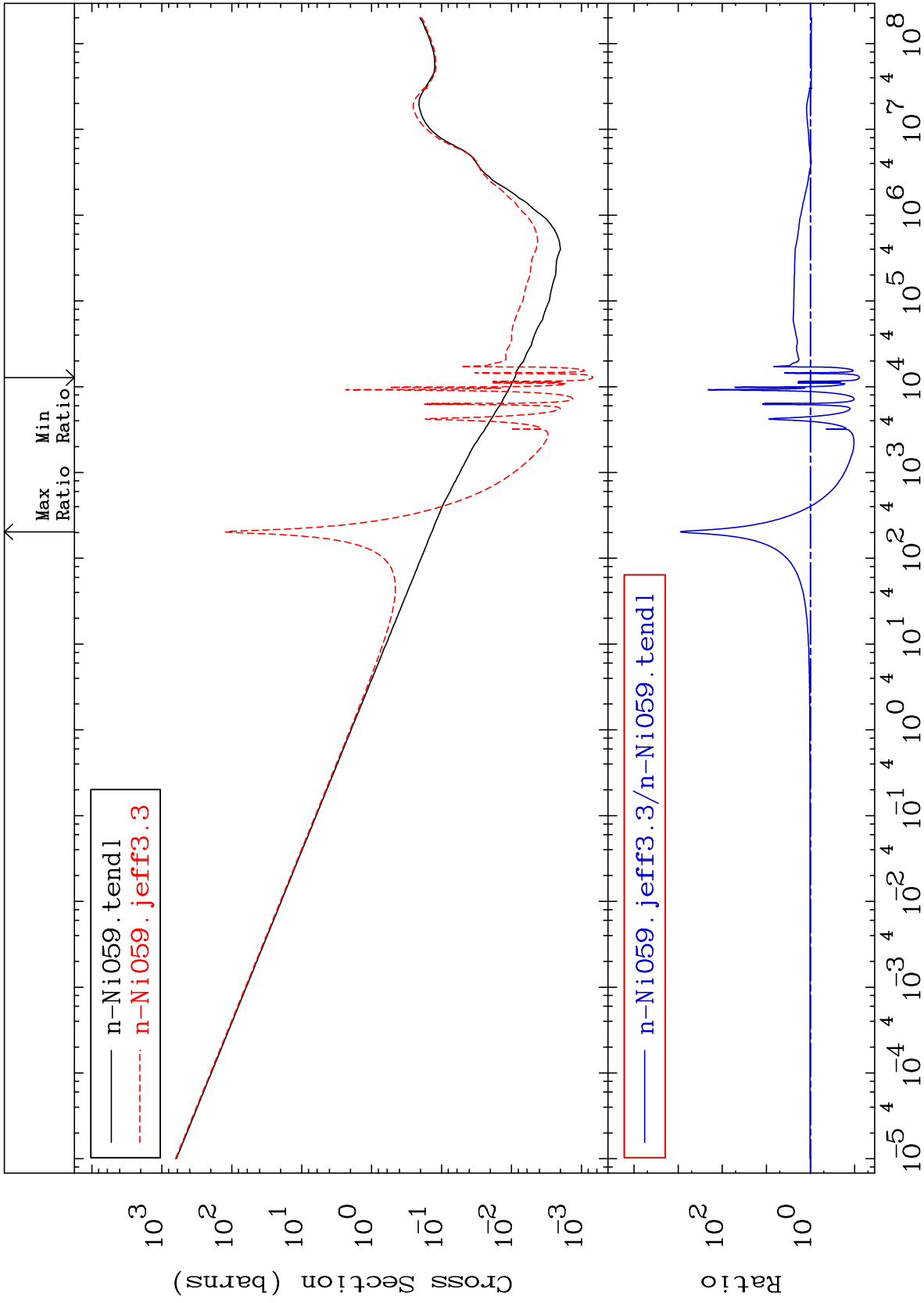
28-Ni-59
-0.156 To 0.832 %

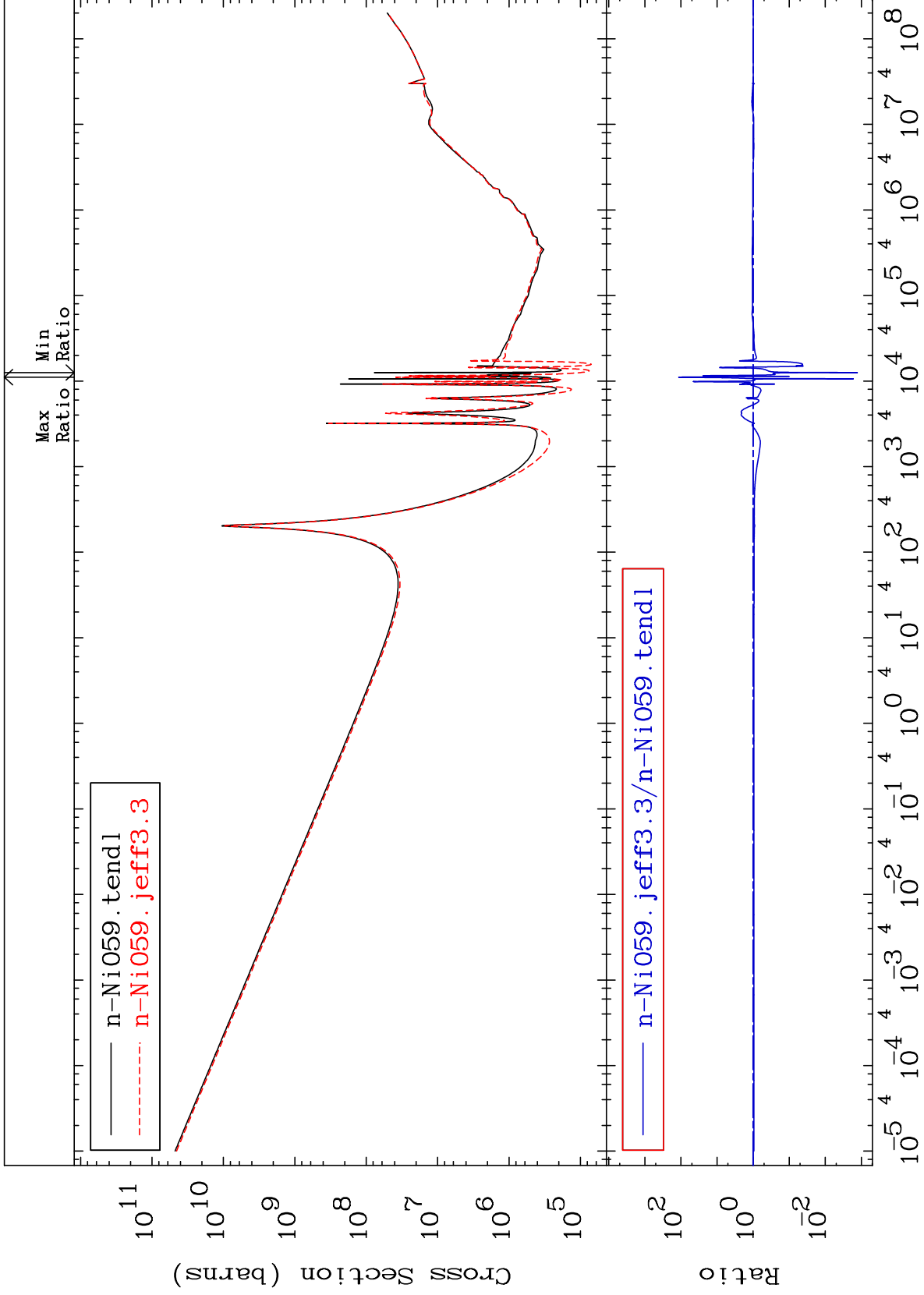


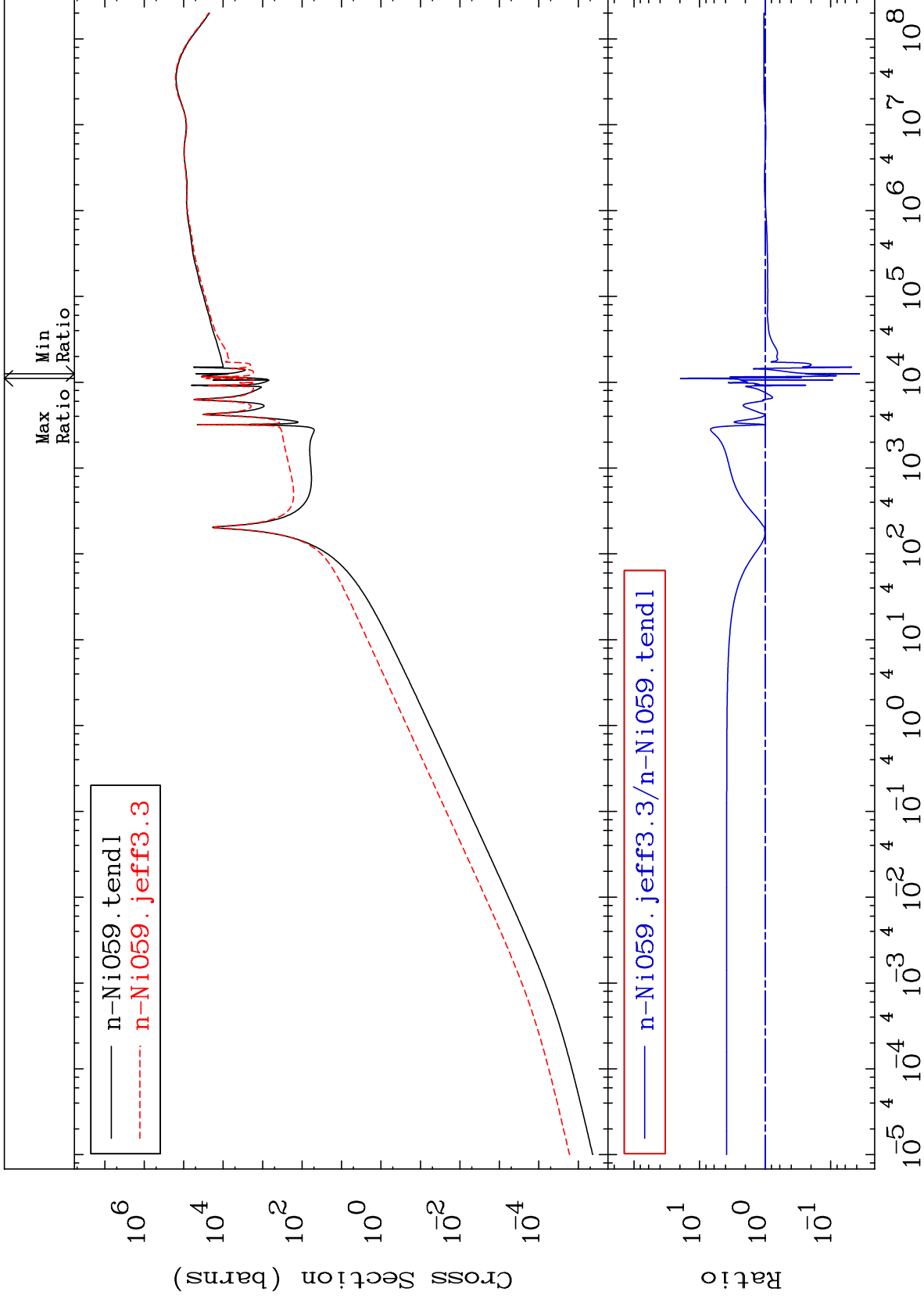
64

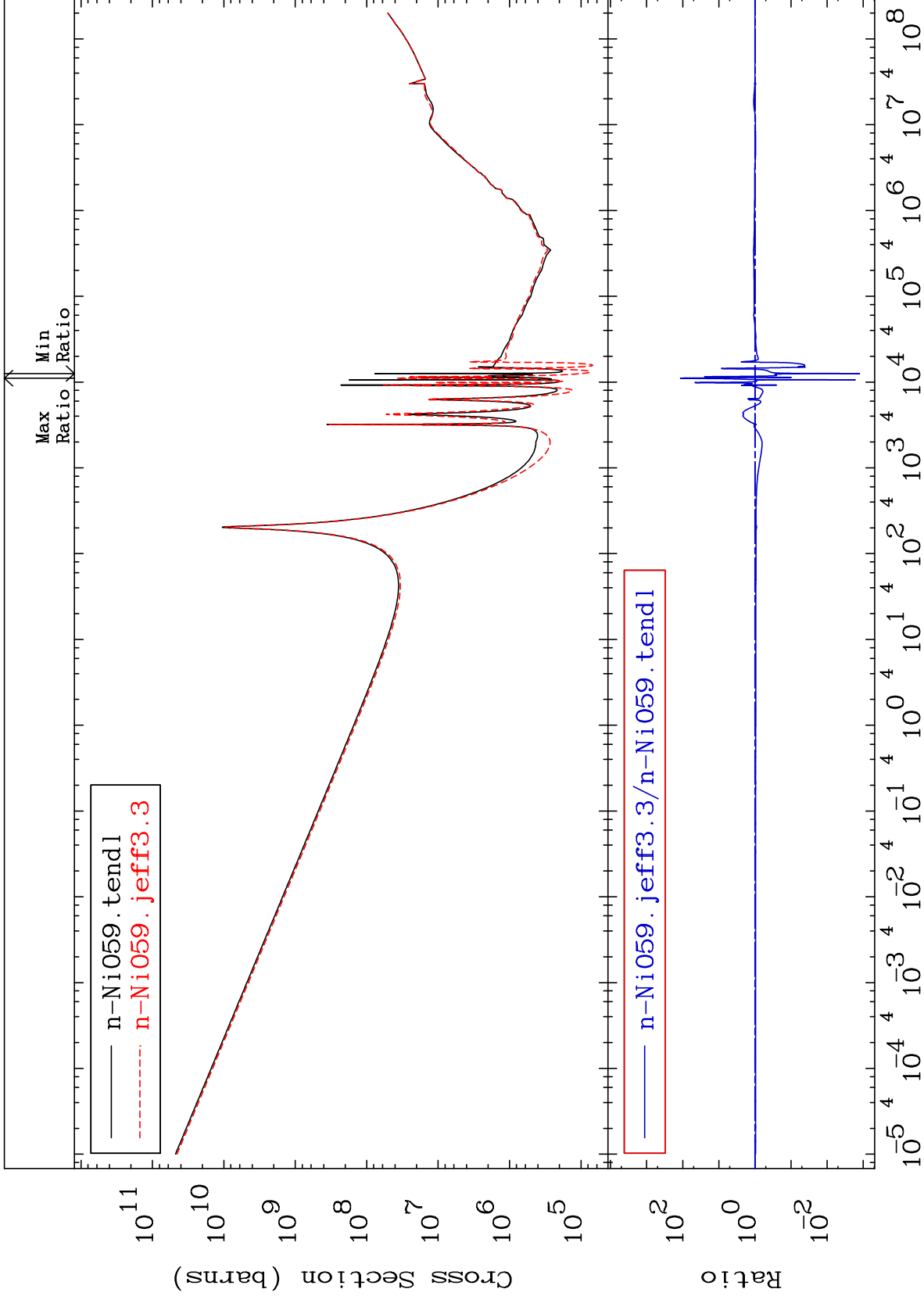
Incident Energy (eV)

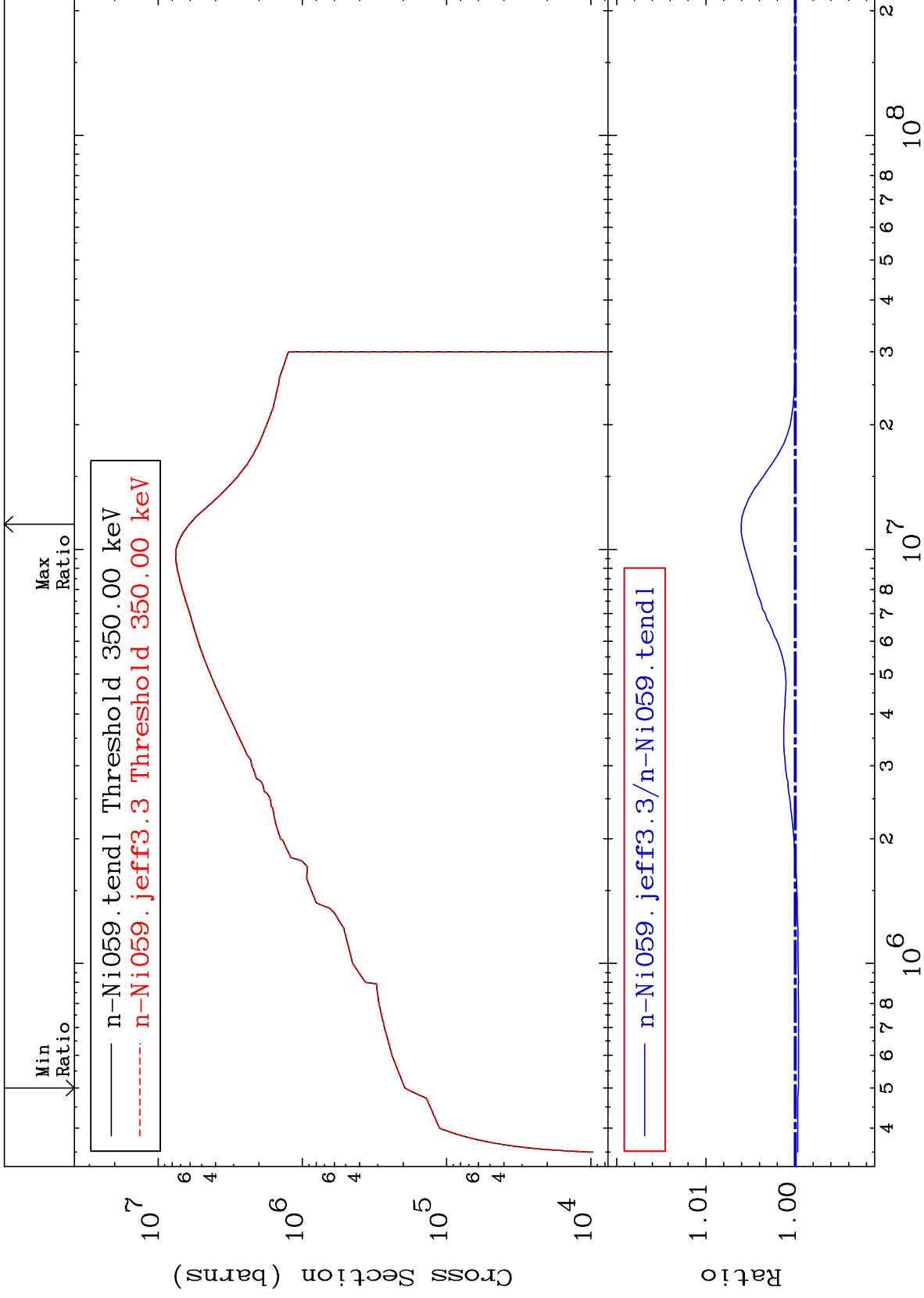
28-Ni-59

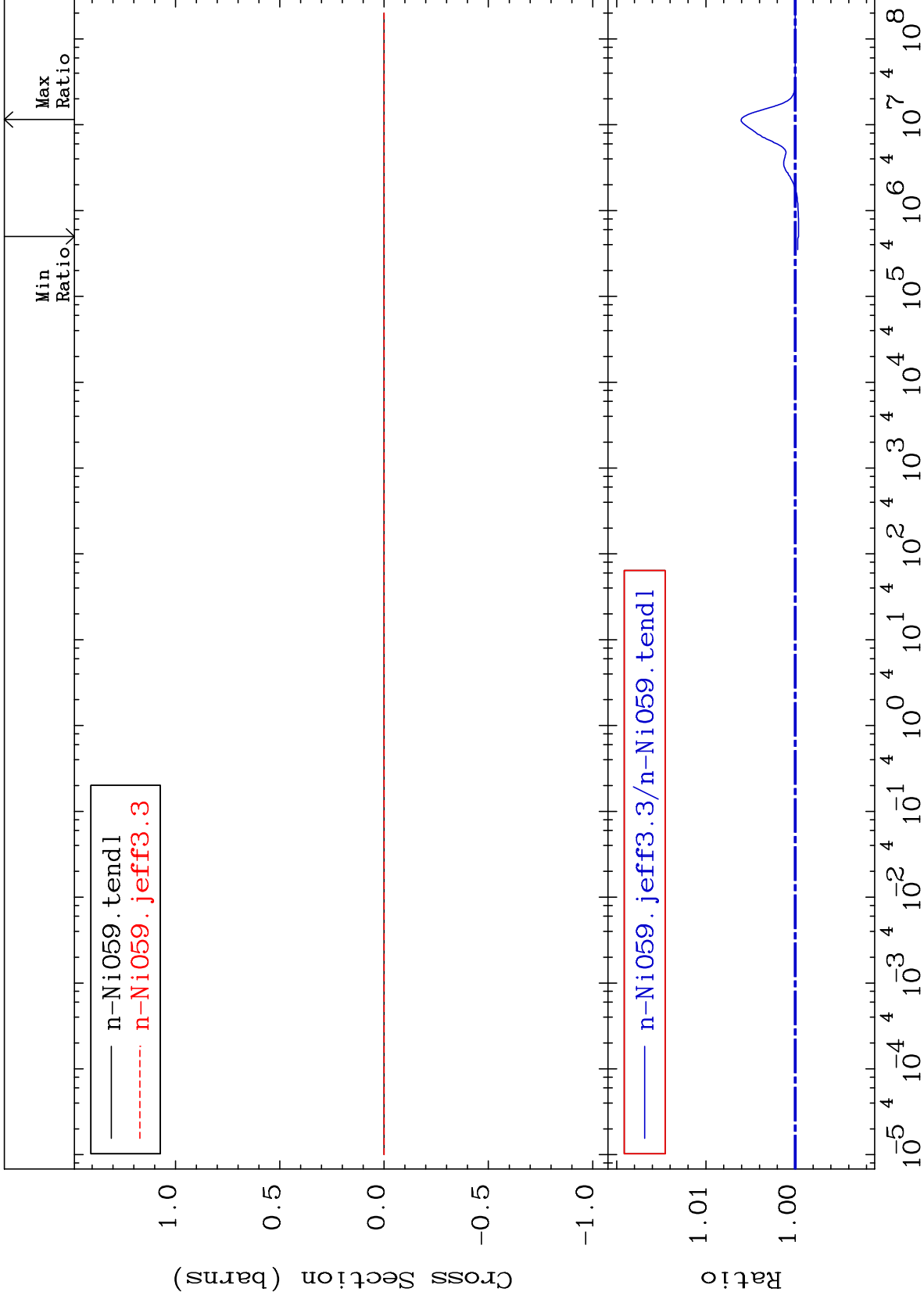


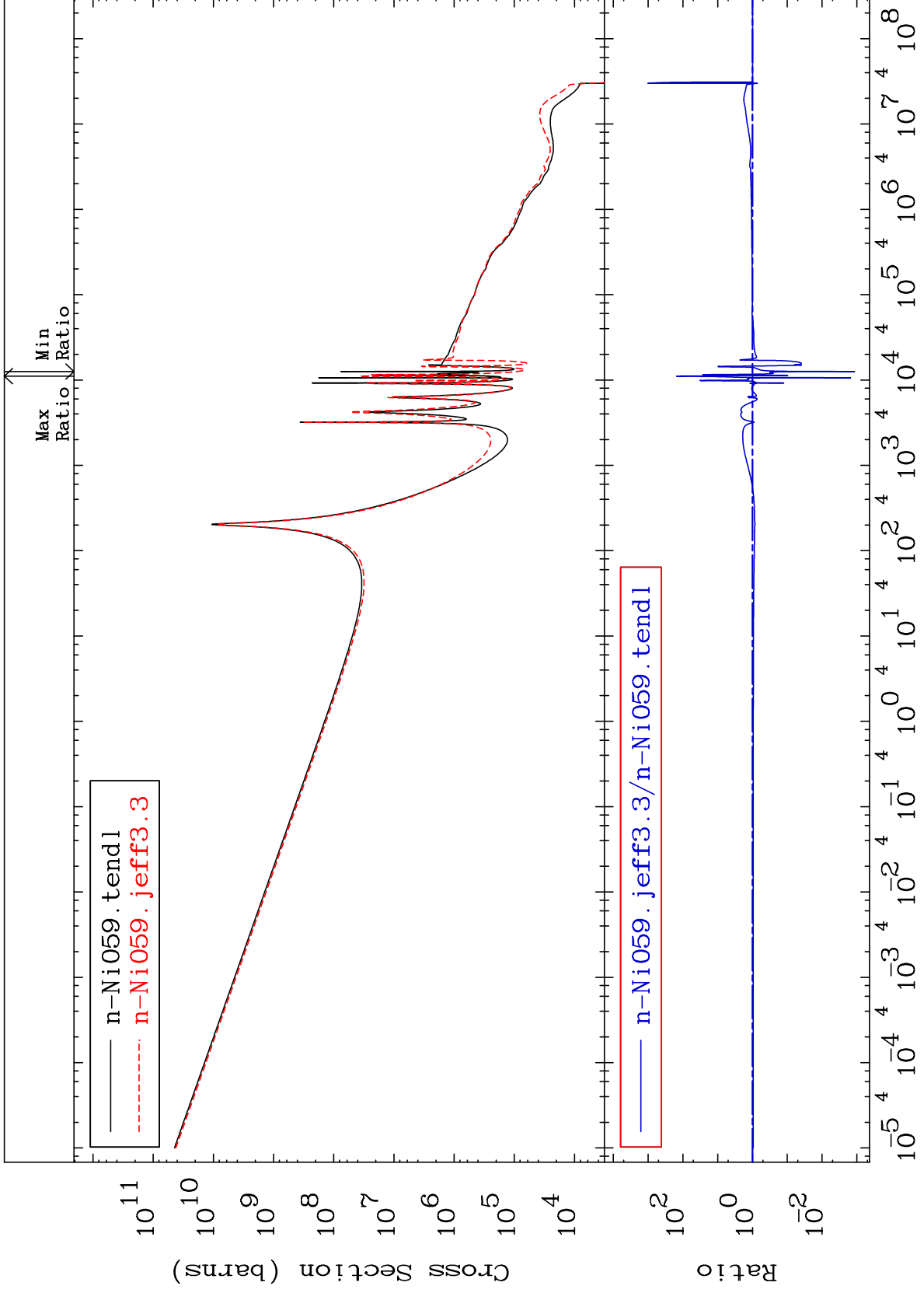


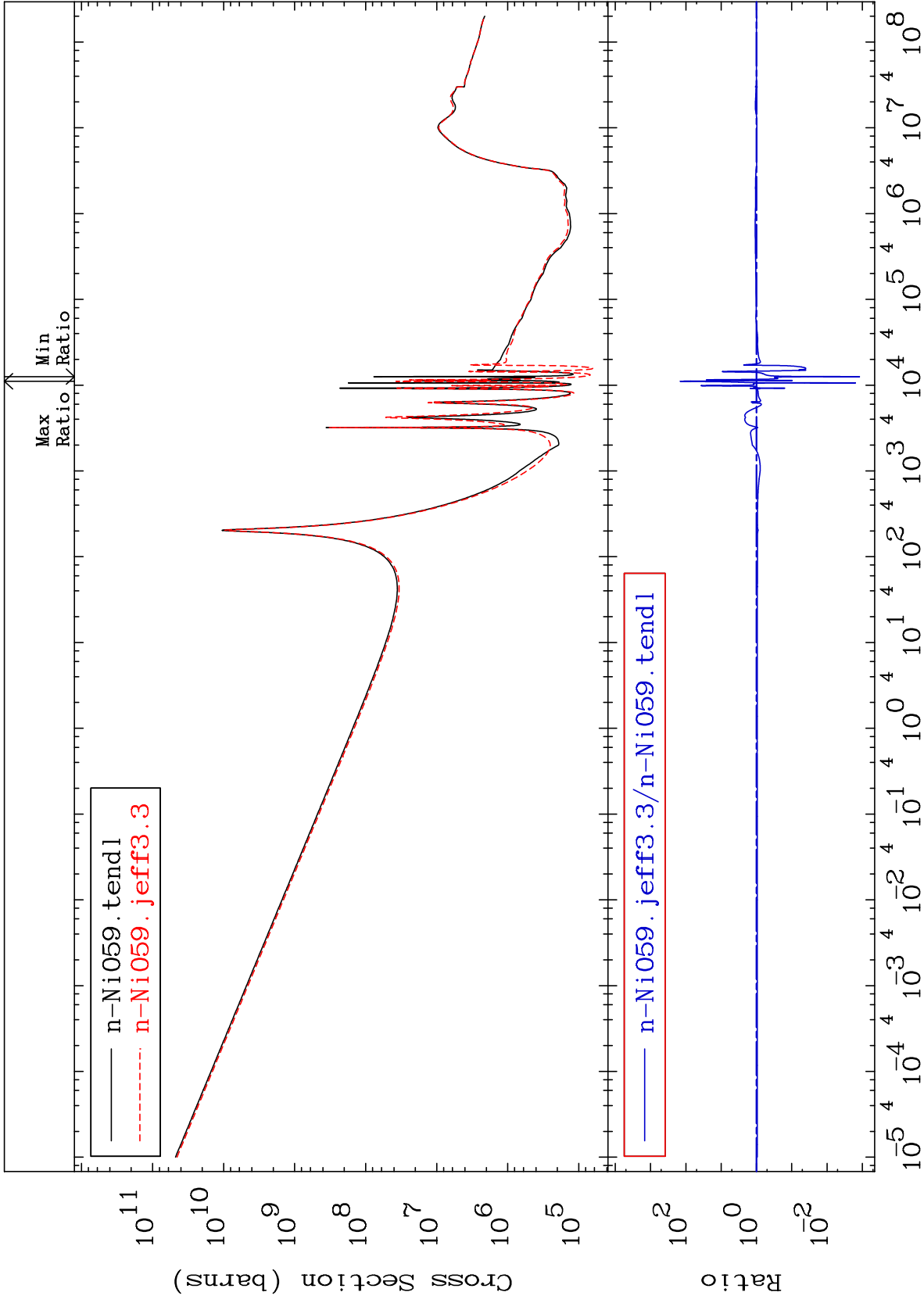


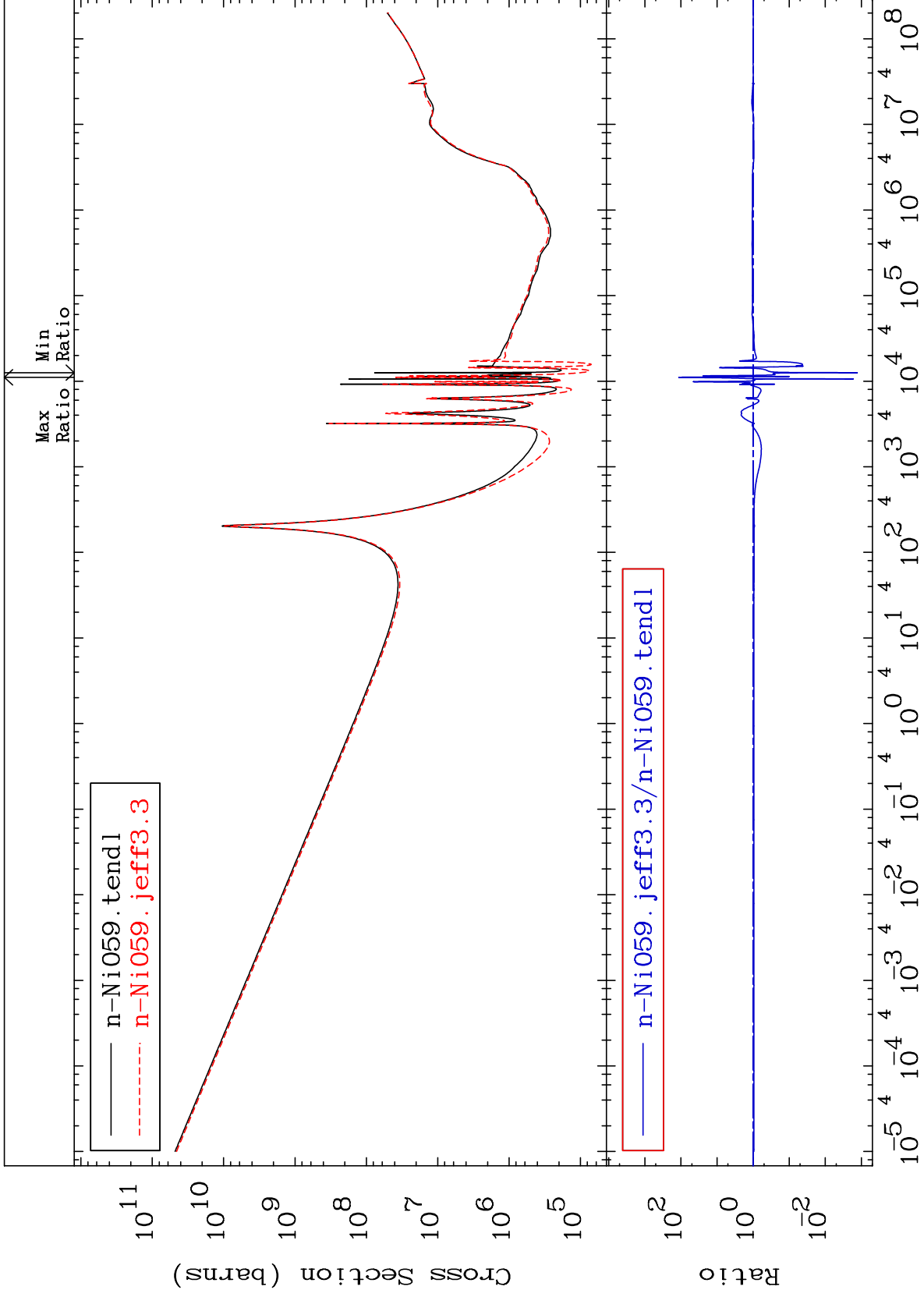


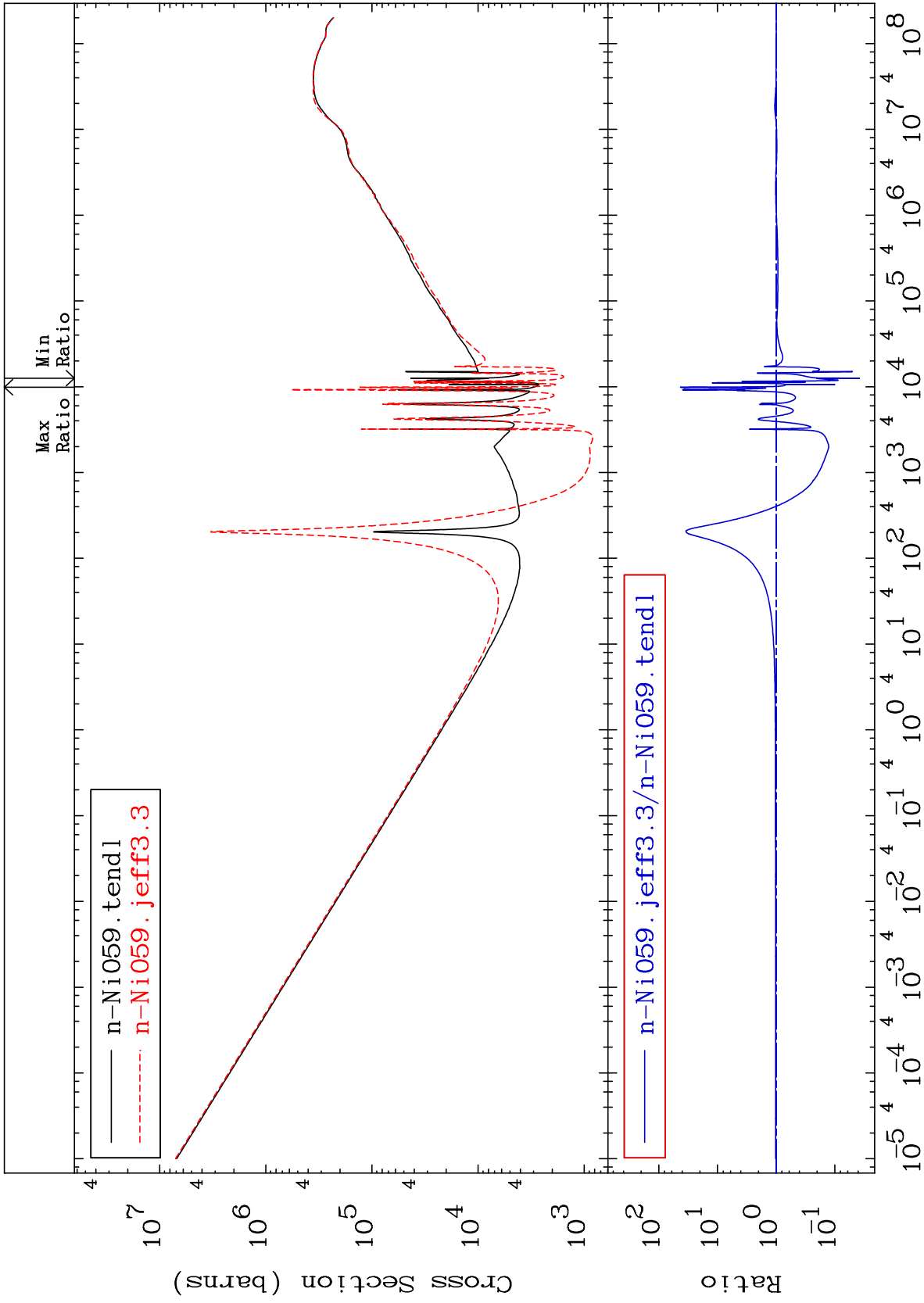


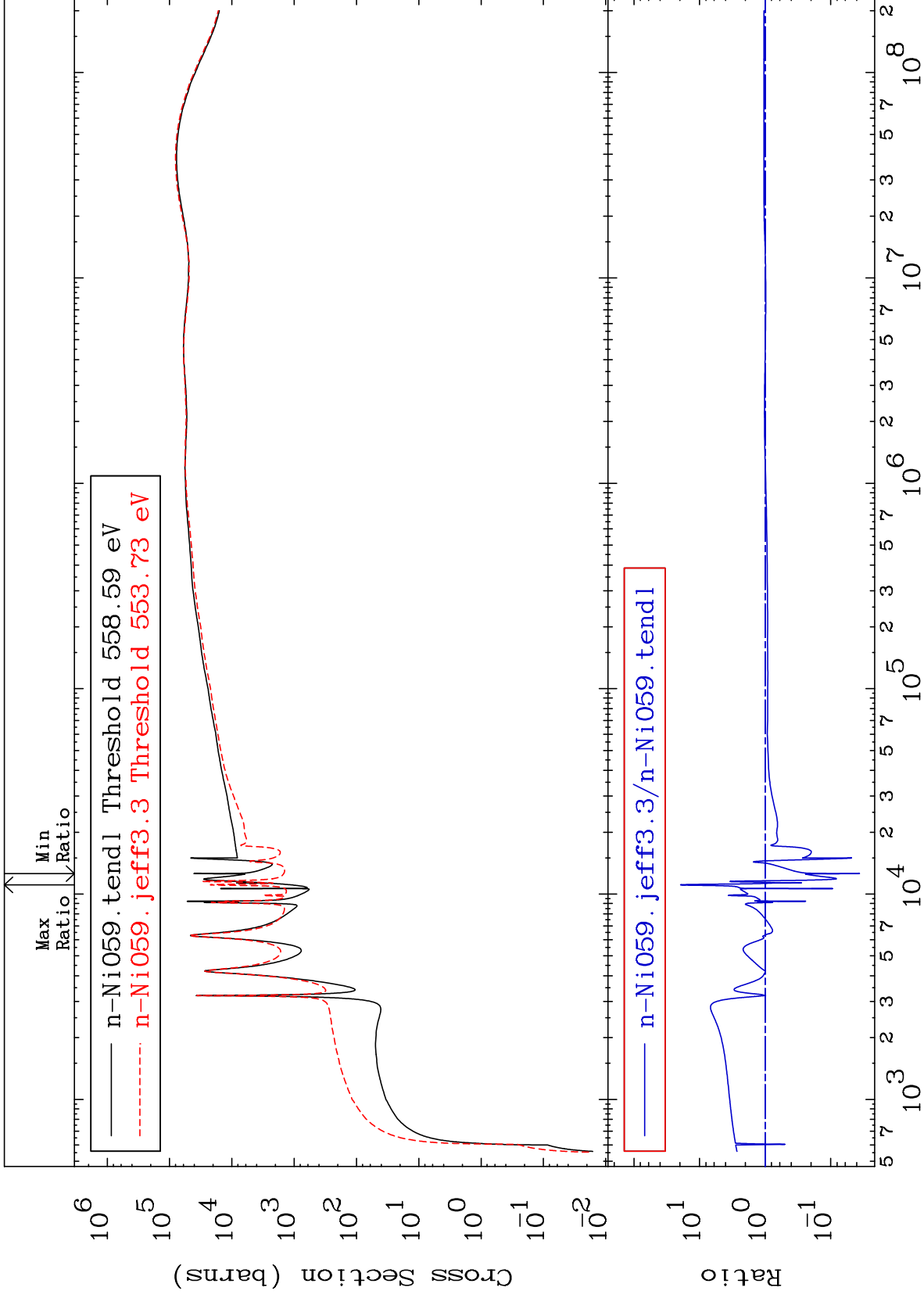








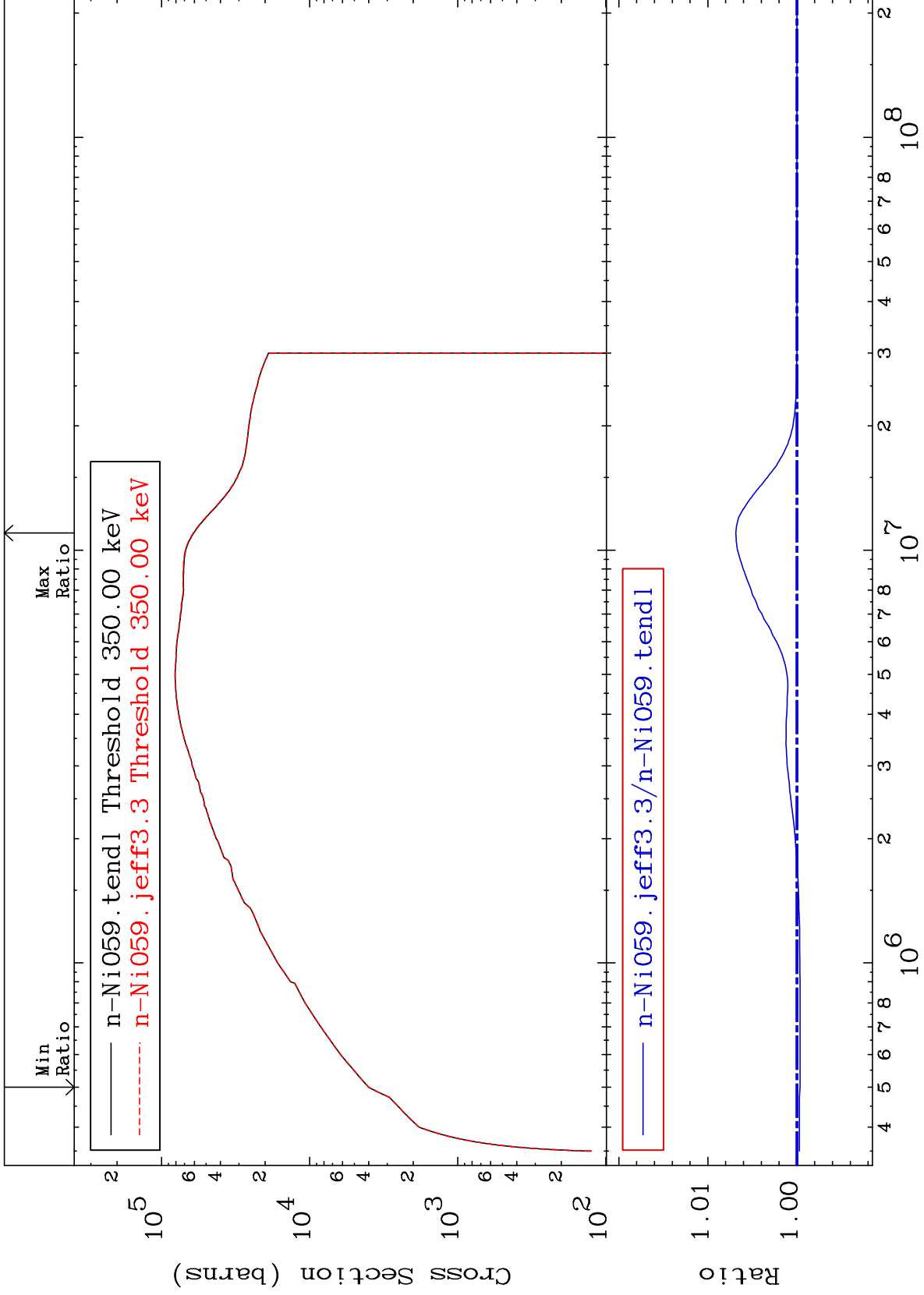




MAT 2828

Dpa inelastic (mt51-91)
Cross Section

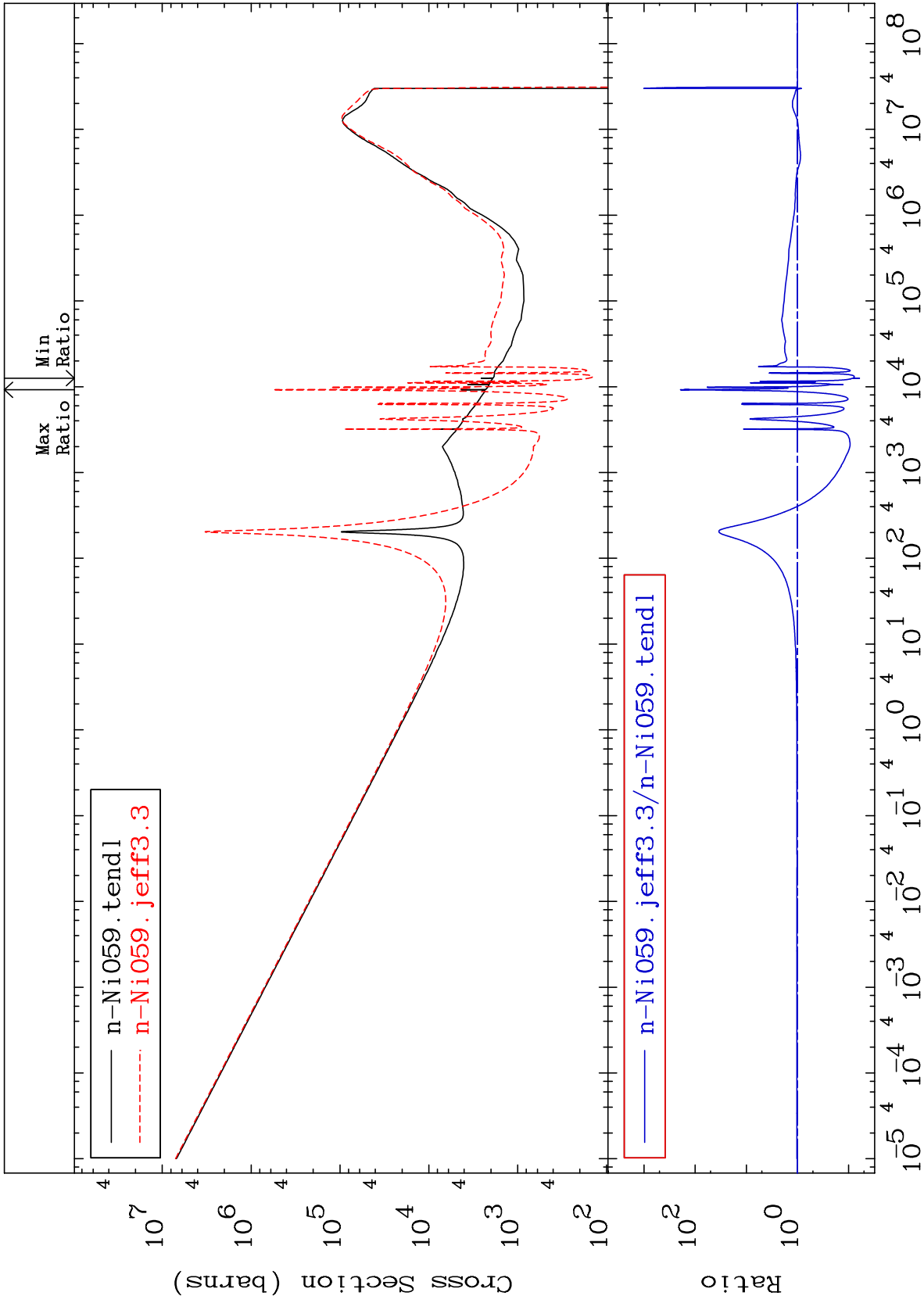
28-Ni-59
-0.035 To 0.686 %



76

Incident Energy (eV)

28-Ni-59

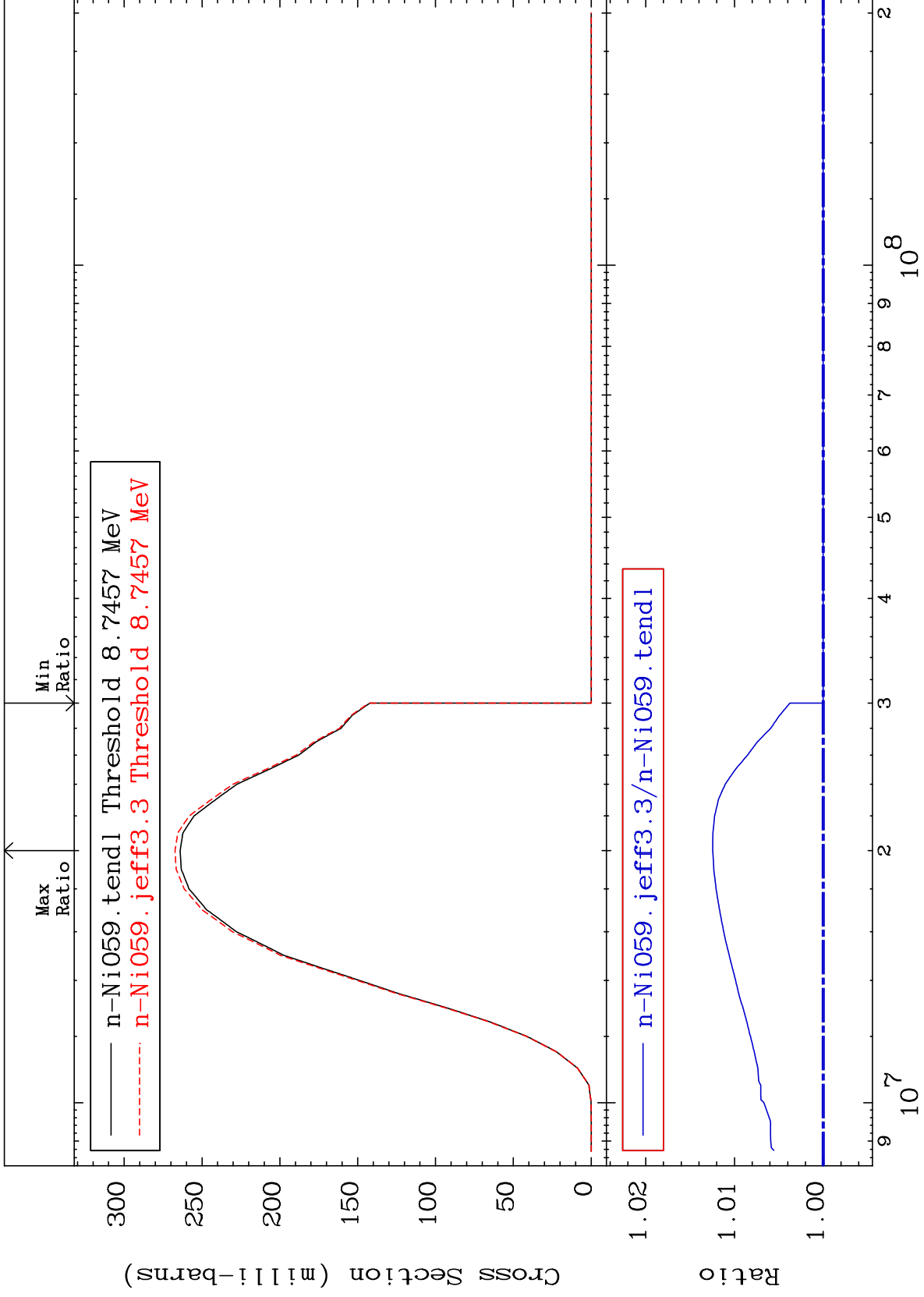


MAT 2828

(n, n') p:27-Co-58g

28-Ni-59

Radionuclide Production Cross Section 0.000 To 1.245 %

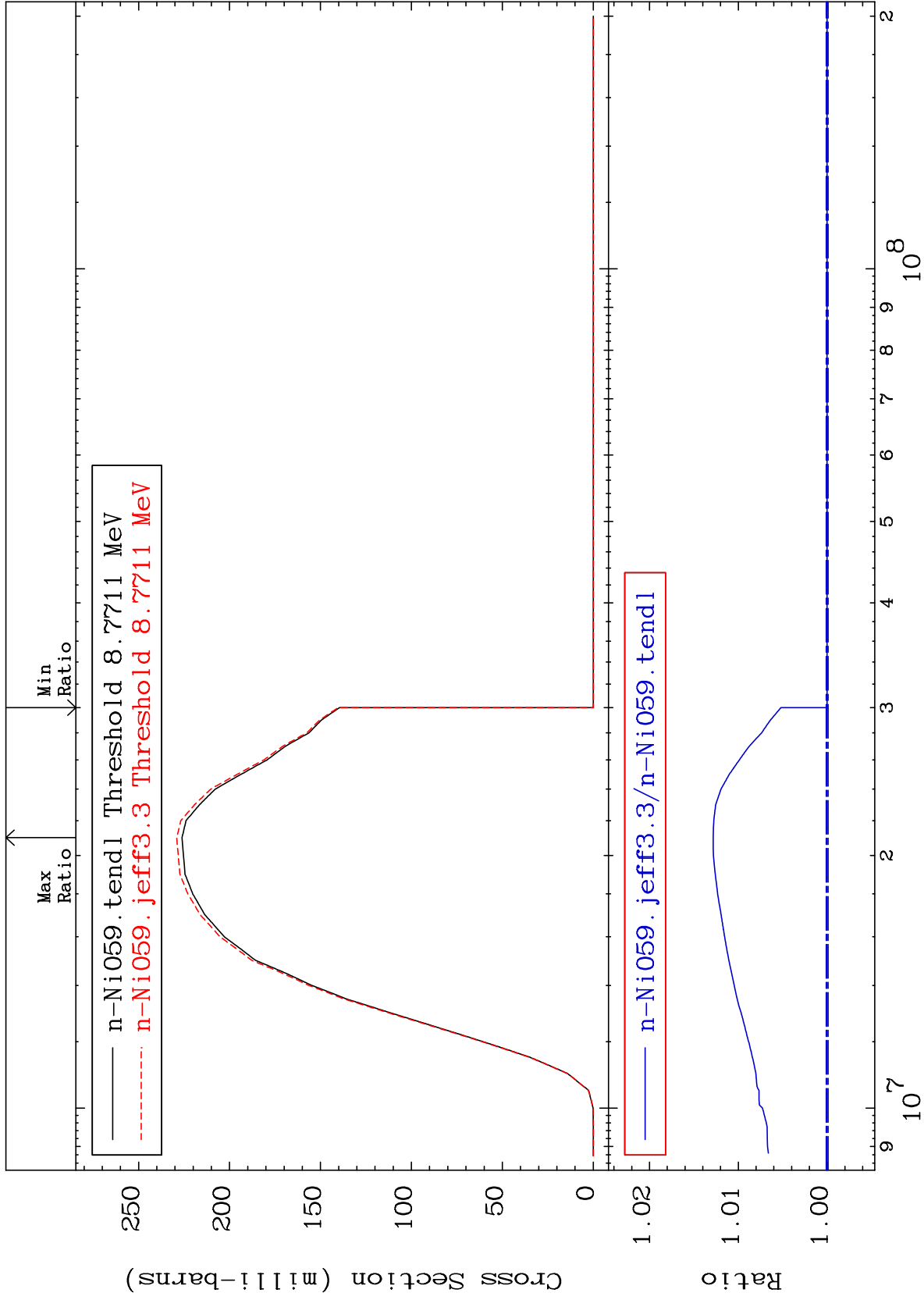


78

Incident Energy (eV)

28-Ni-59

Radionuclide Production Cross Section 0.000 To 1.284 %

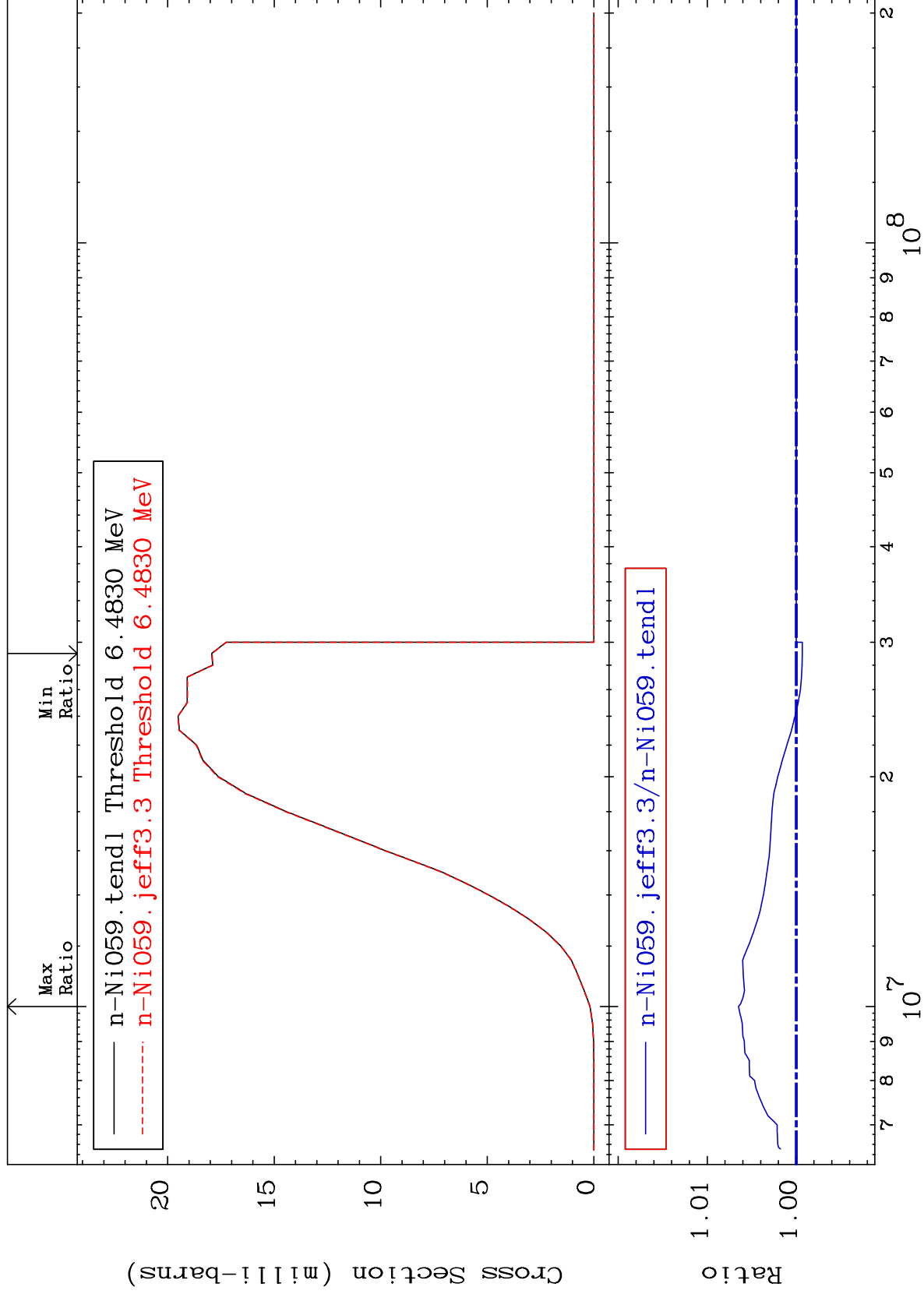


MAT 2828

(n, d):27-Co-58g

28-Ni-59

Radionuclide Production Cross Section -0.069 To 0.649 %



80

Incident Energy (eV)

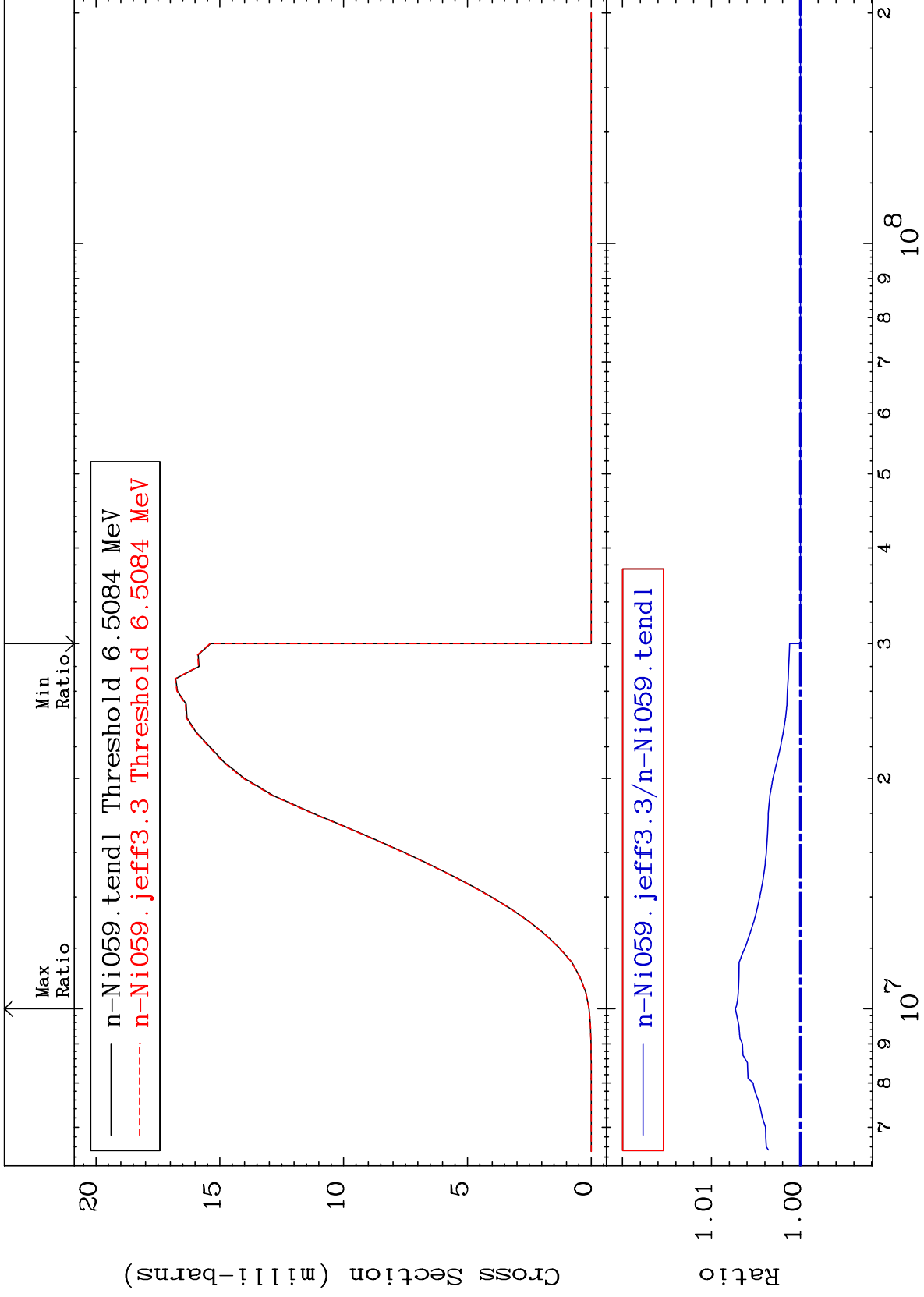
28-Ni-59

MAT 2828

(n, d):27-Co-58m1

28-Ni-59

Radionuclide Production Cross Section 0.000 To 0.730 %



81

Incident Energy (eV)

28-Ni-59