

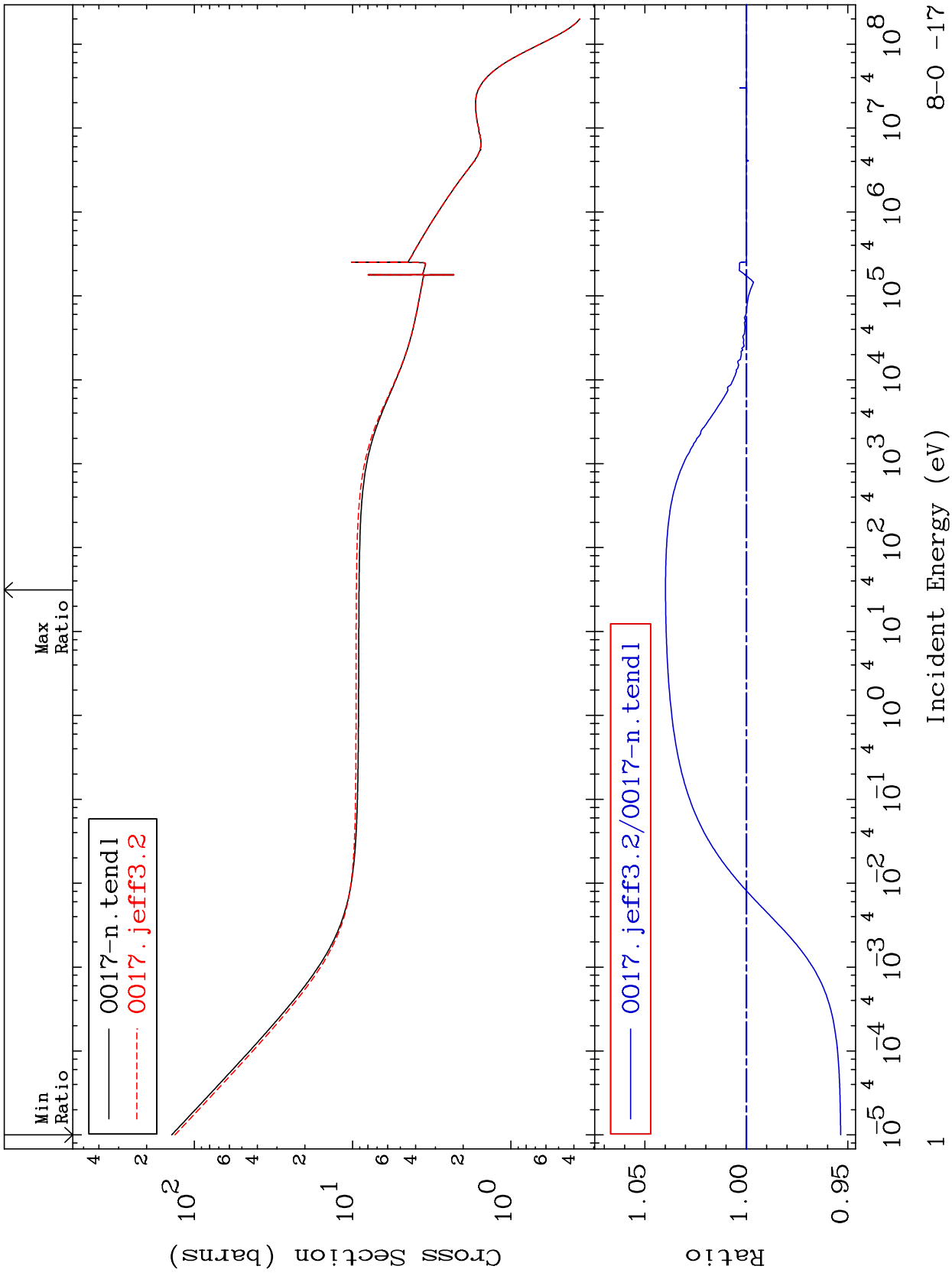
MAT 828

Total

8-0 -17

Cross Section

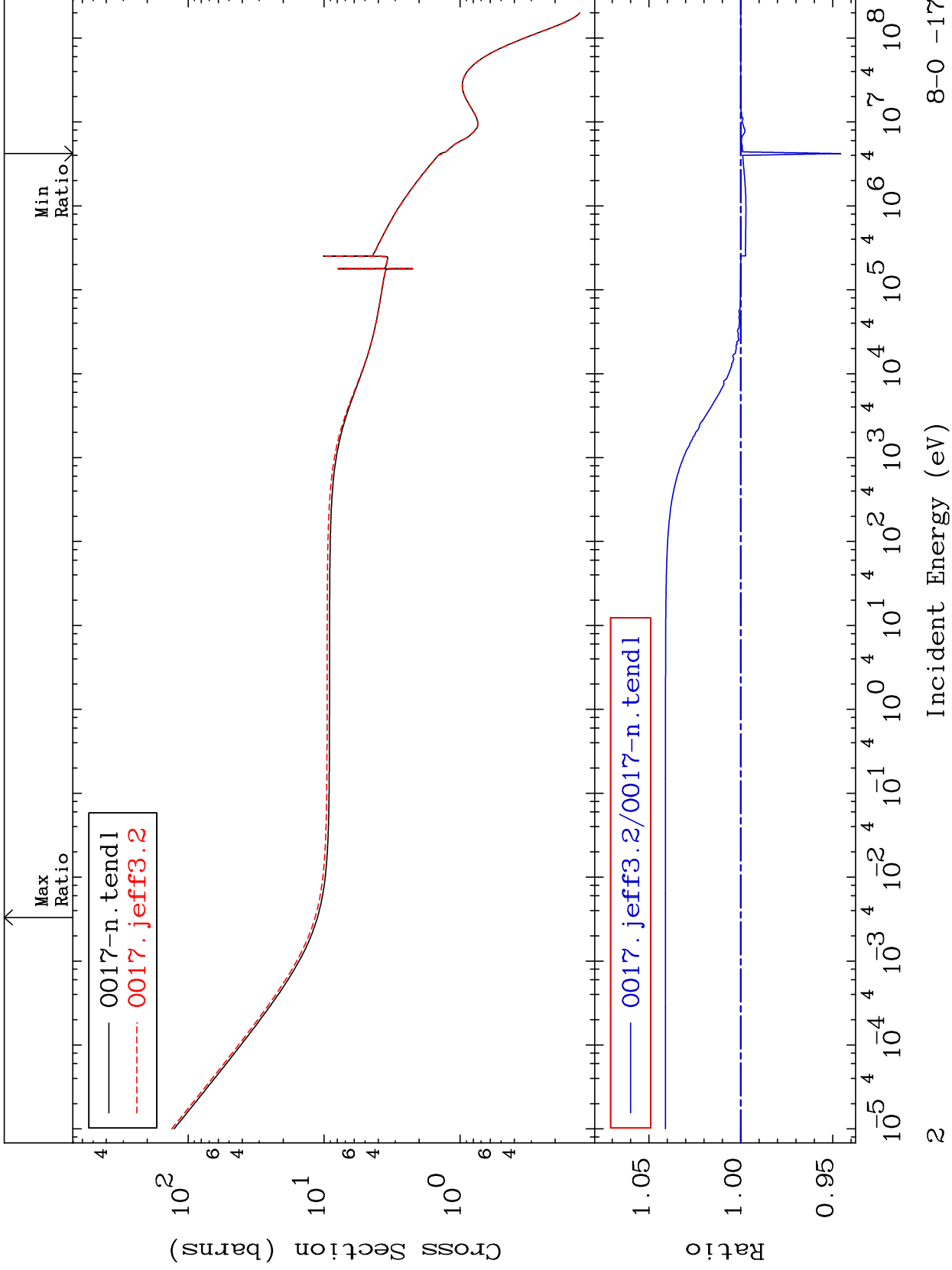
-4.647 To 3.983 %



MAT 828

Elastic
Cross Section

8-0 -17
-5.436 To 4.096 %



8-0 -17

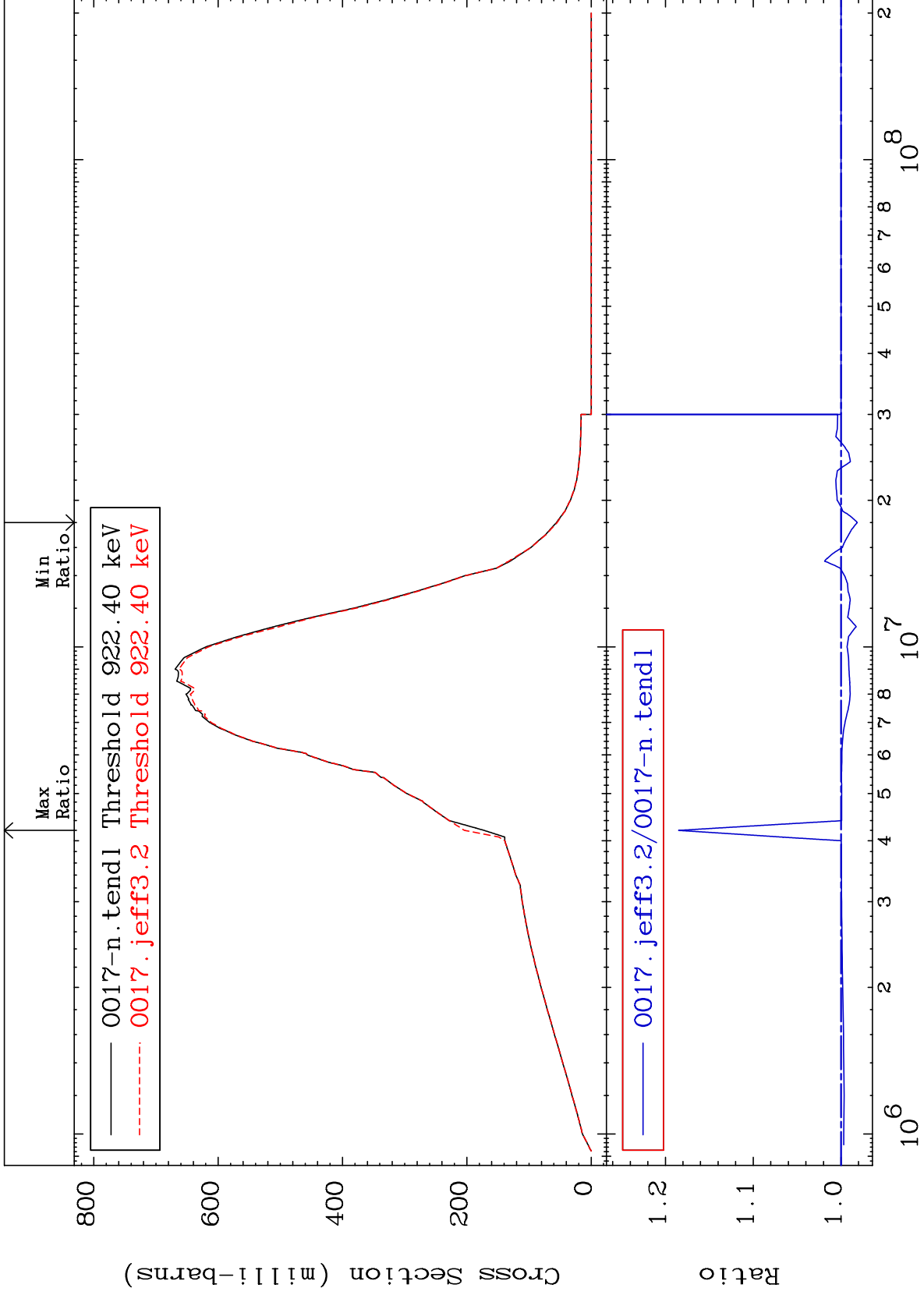
Incident Energy (eV)

2

MAT 828

Inelastic
Cross Section

8-0 -17
-1.848 To 18.49 %

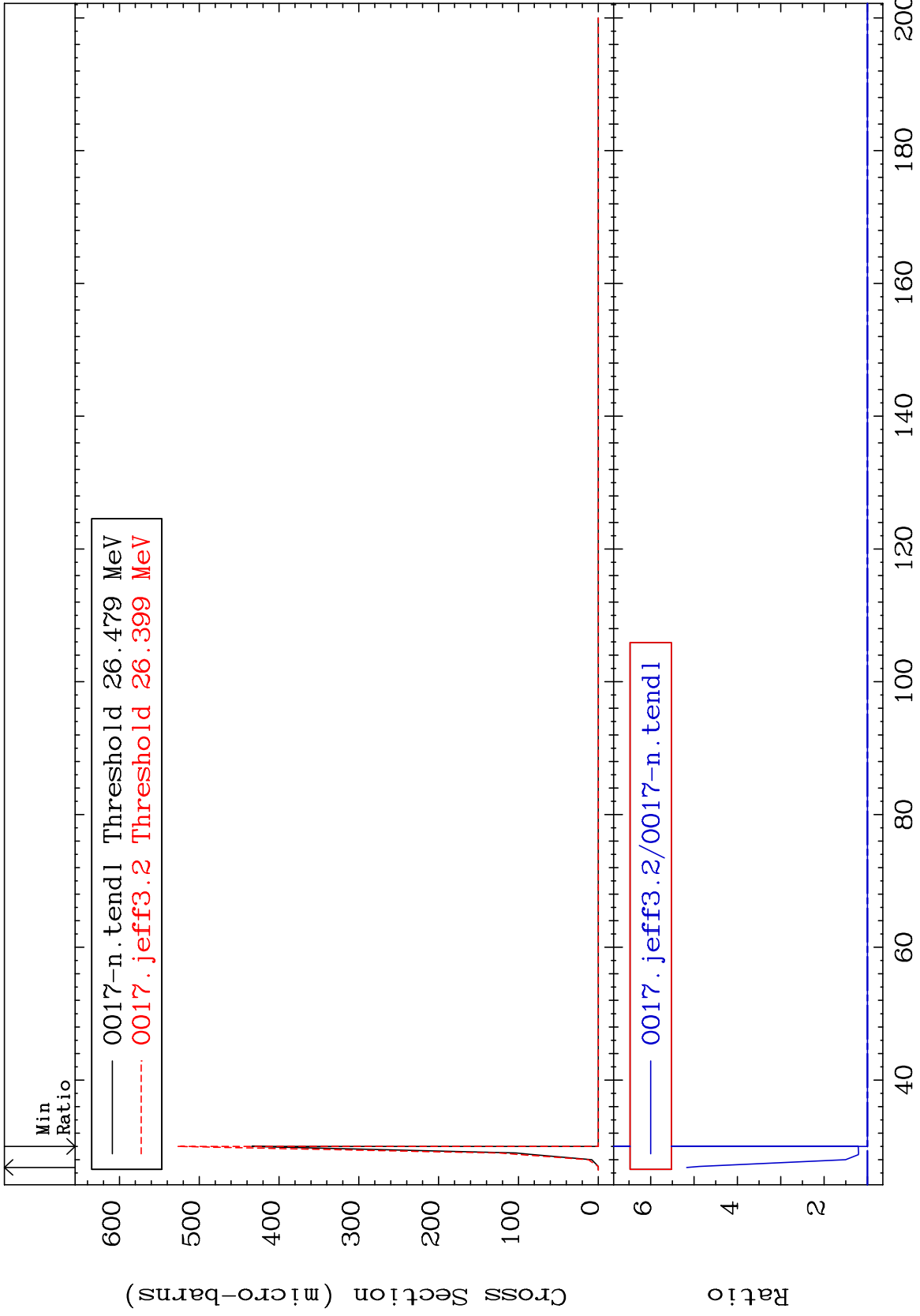


8-0 -17

MAT 828

(n,2n) d
Cross Section

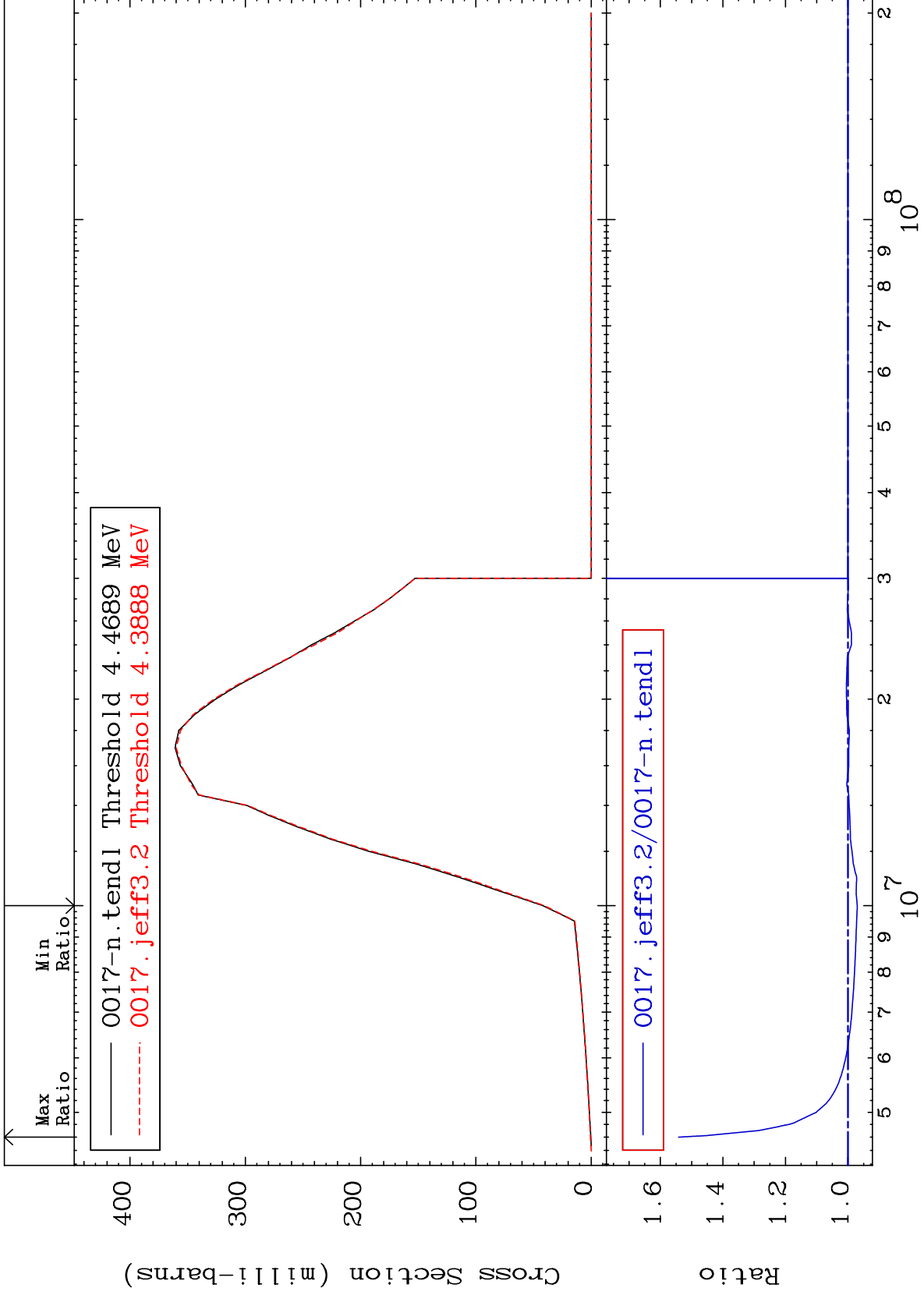
0.000 To 416.9 %
8-0 -17



MAT 828

(n,2n)
Cross Section

8-0 -17
-2.970 To 54.16 %



5

Incident Energy (eV)

8-0 -17

MAT 828

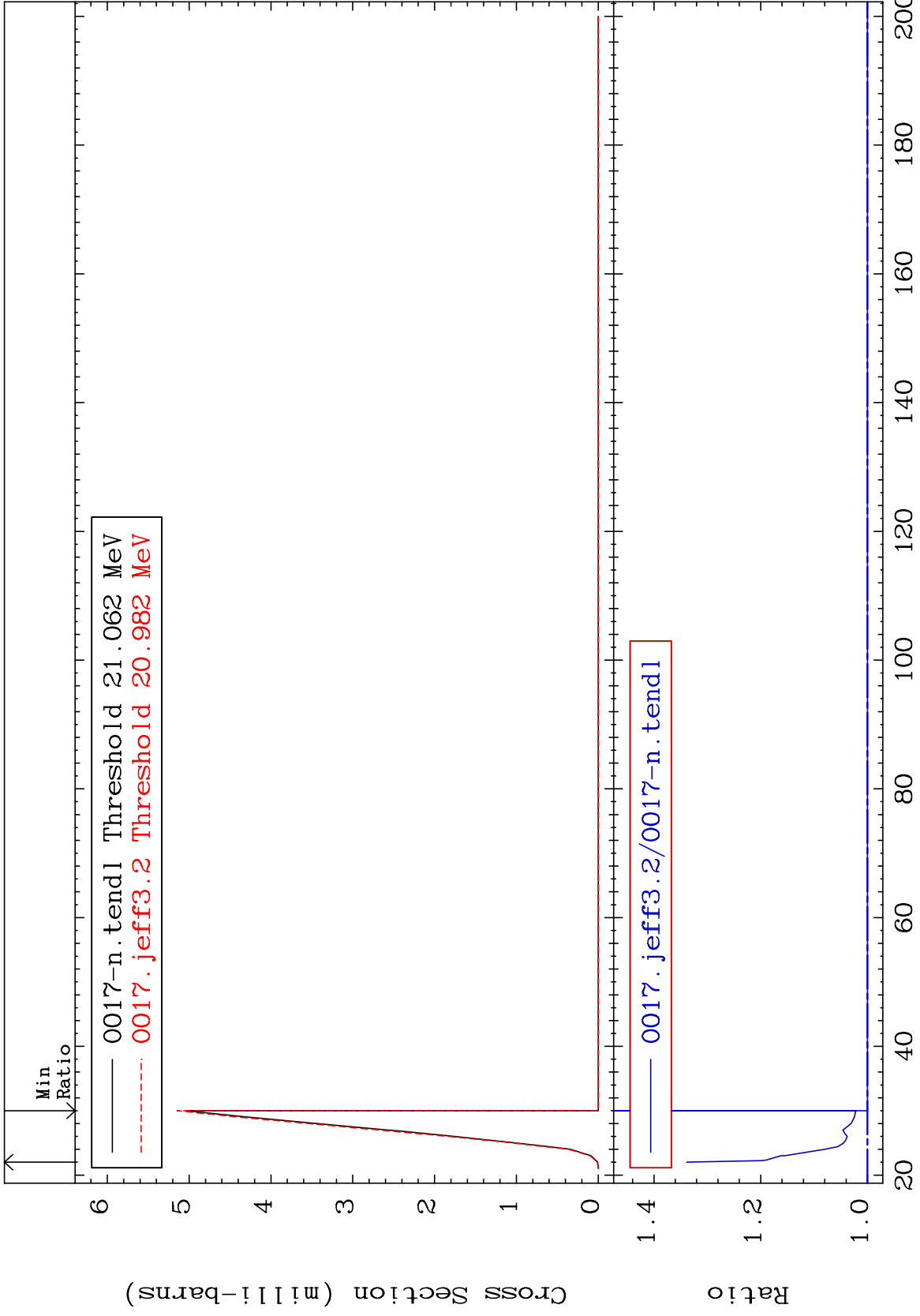
(n,3n)

8-0 -17

Cross Section

0.000

To 33.86 %



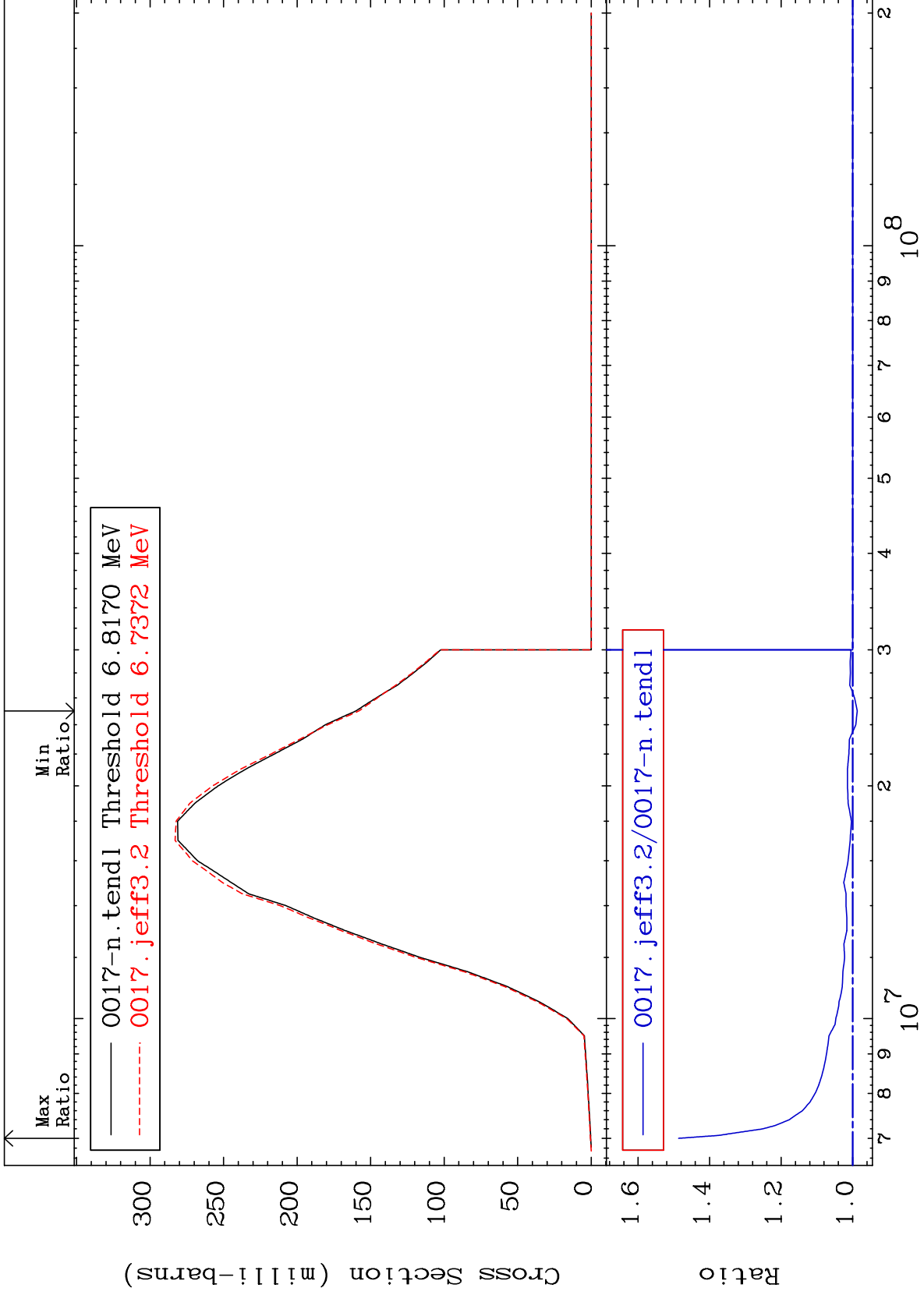
8-0 -17

6

MAT 828

(n,n') α
Cross Section

8-0 -17
-1.286 To 48.67 %



7

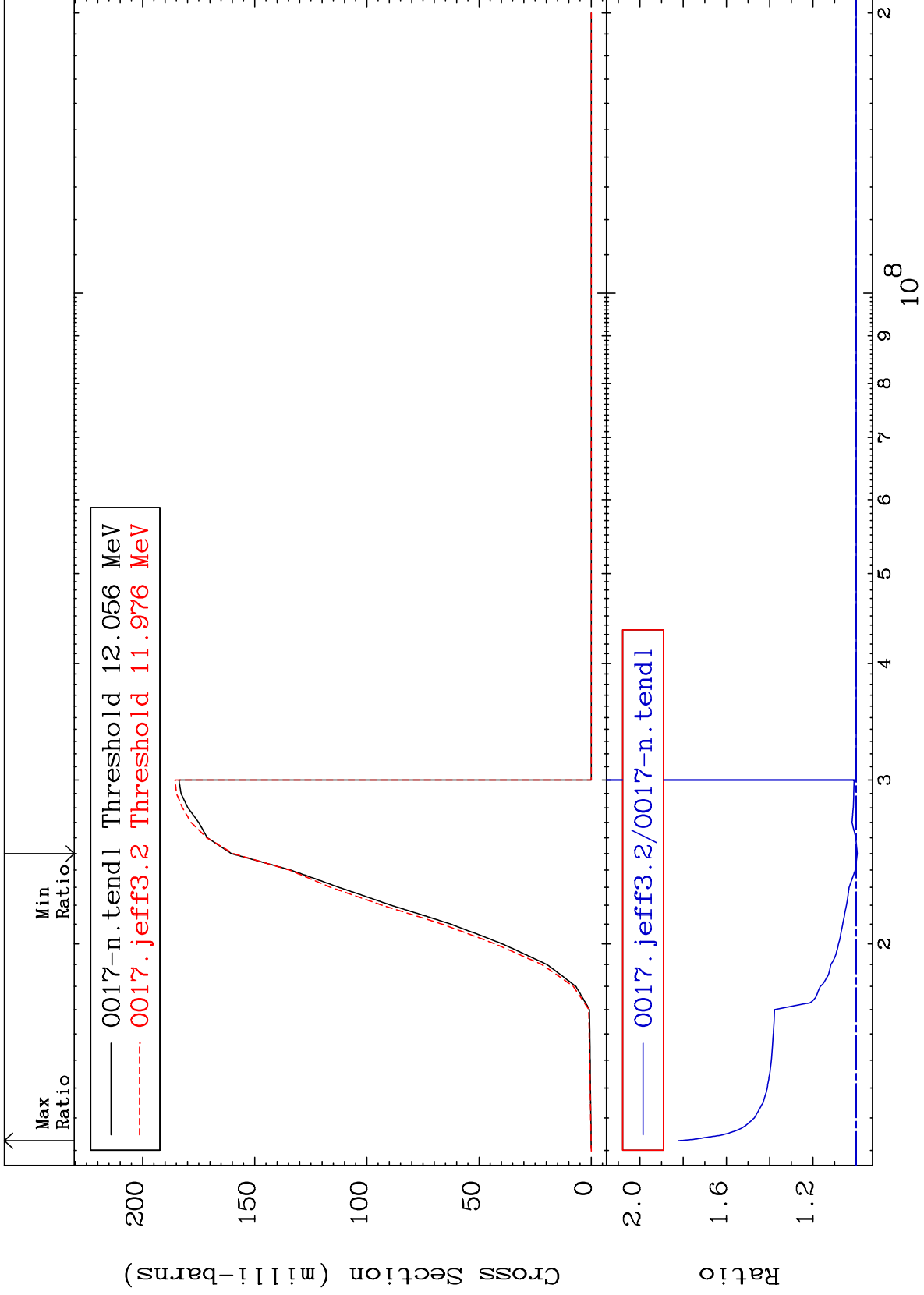
Incident Energy (eV)

8-0 -17

MAT 828

(n,2n) α
Cross Section

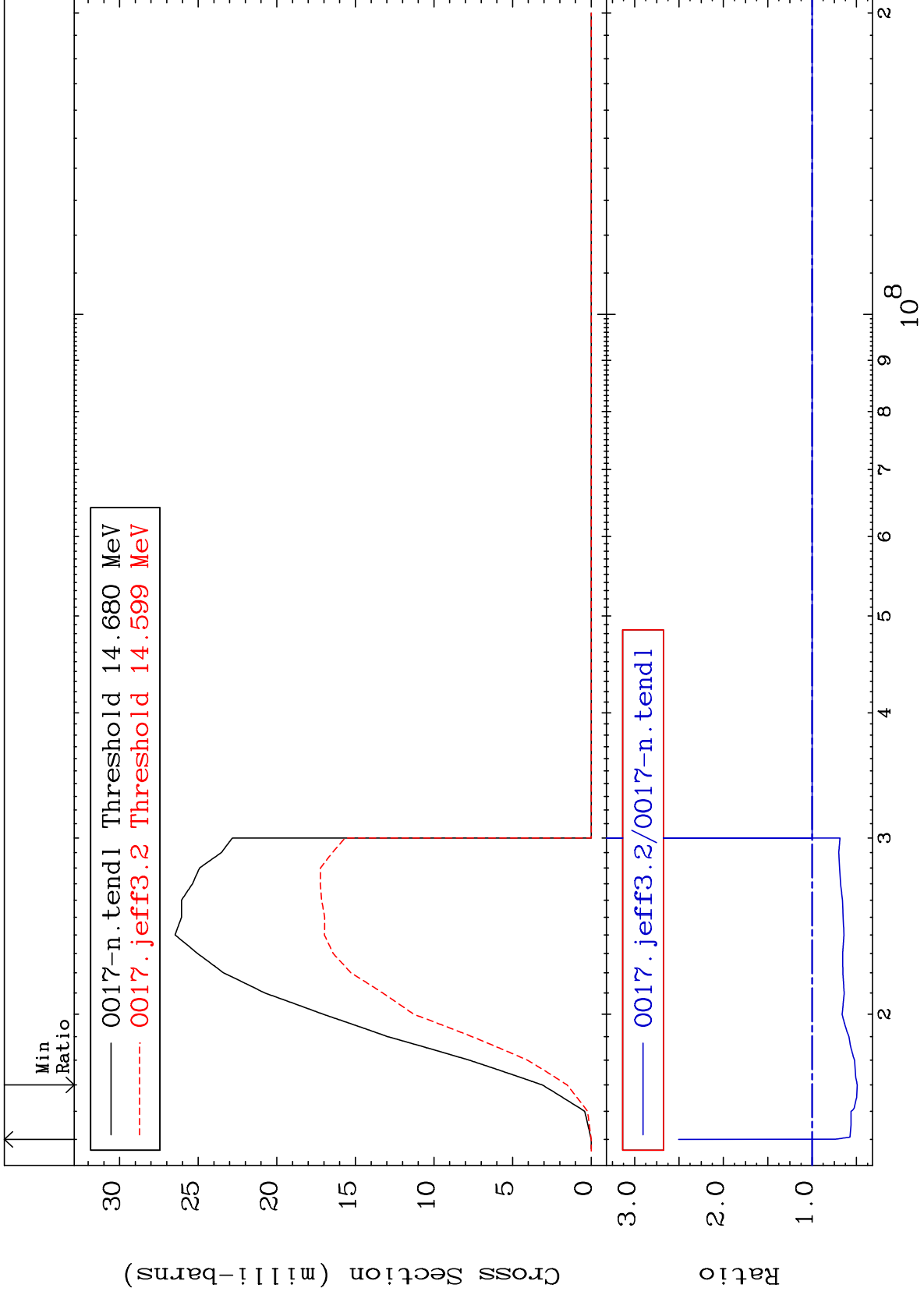
8-0 -17
-0.494 To 82.06 %



MAT 828

(n,n') p
Cross Section

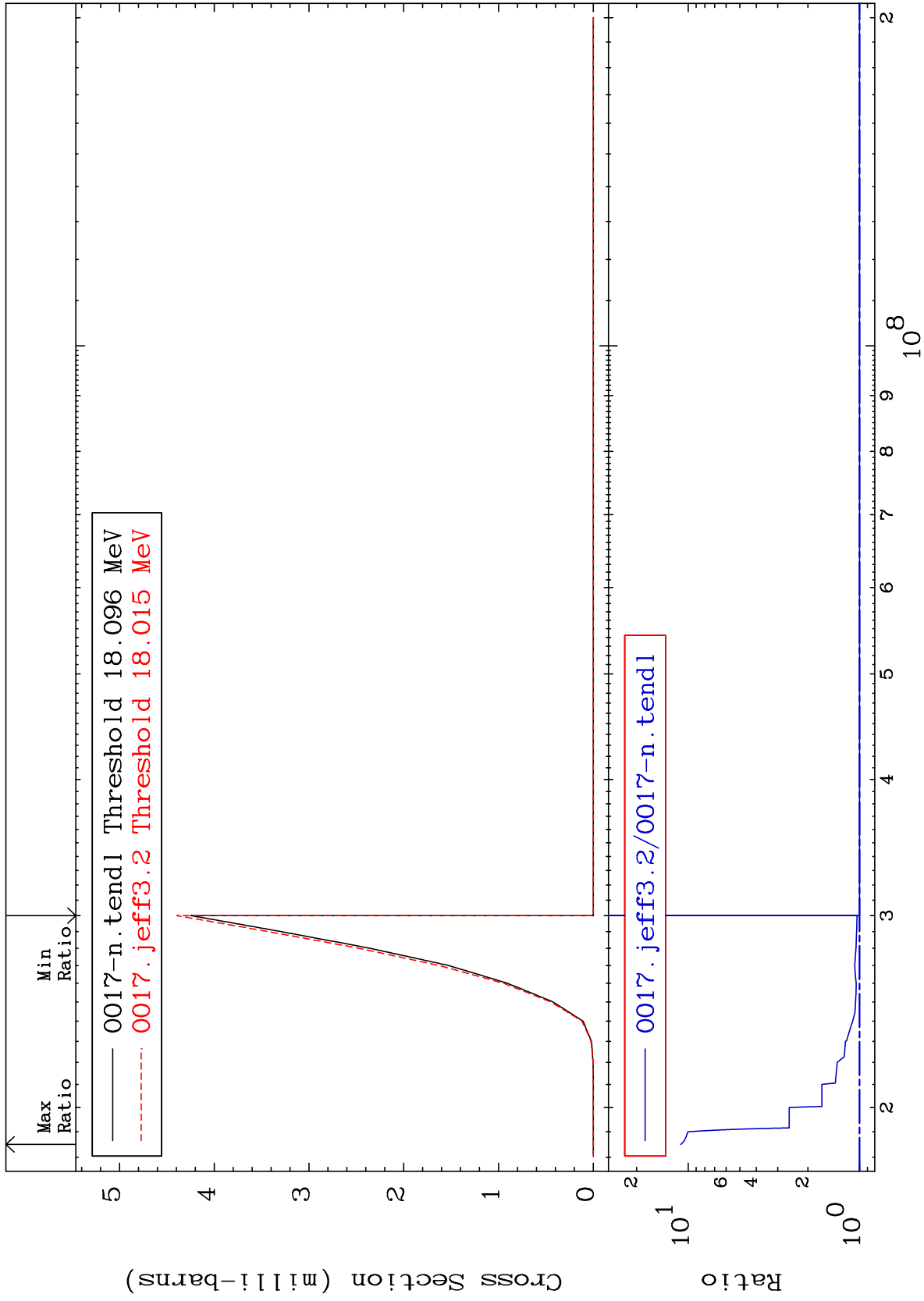
8-0 -17
-50.87 To 150.4 %



MAT 828

(n,n') 2α
Cross Section

8-0 -17
0.000 To 1005. %



10

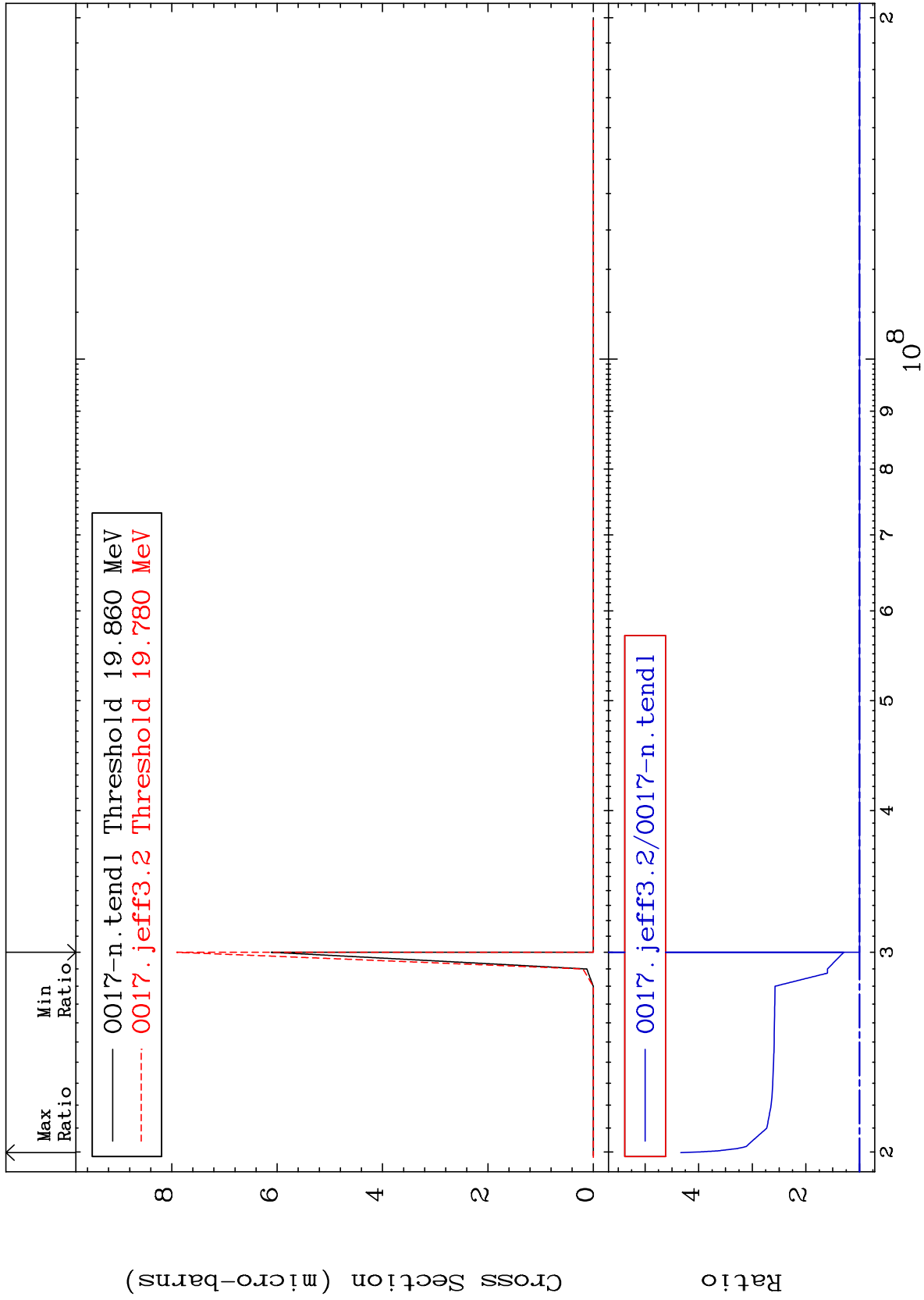
Incident Energy (eV)

8-0 -17

MAT 828

(n,2n) 2α
Cross Section

8-0 -17
0.000 To 333.4 %



11

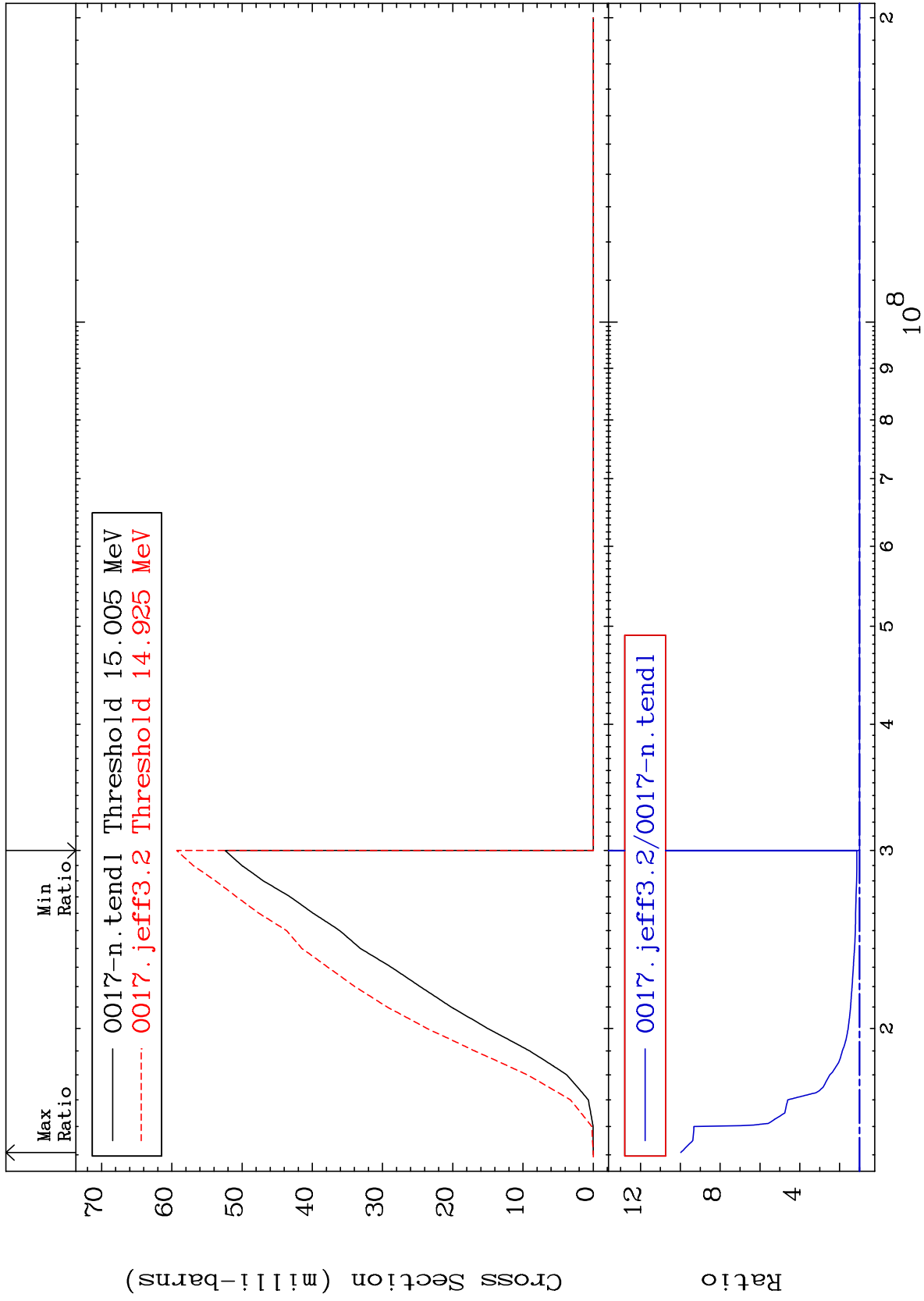
Incident Energy (eV)

8-0 -17

MAT 828

(n,n') d
Cross Section

8-0 -17
0.000 To 897.6 %



12

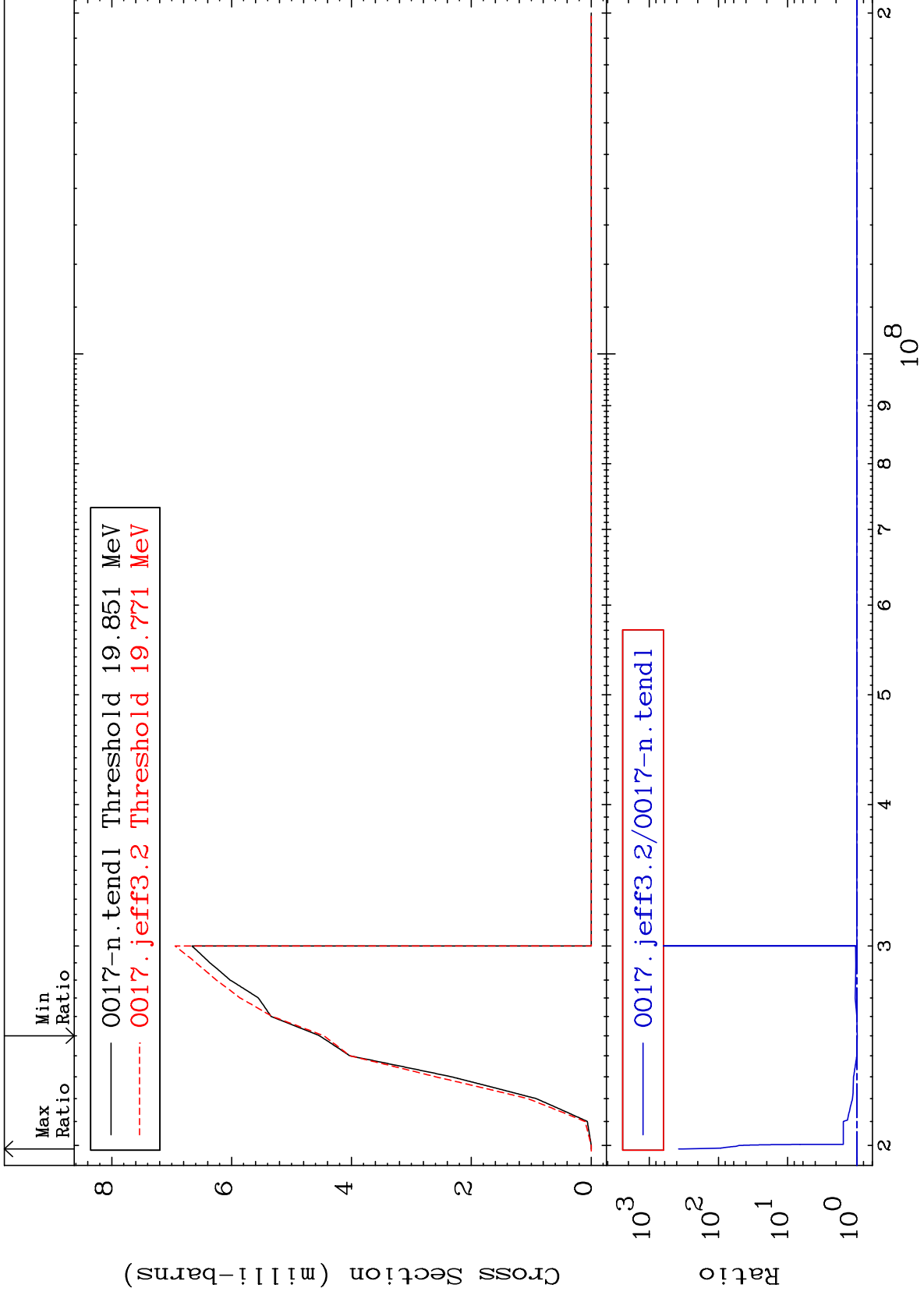
Incident Energy (eV)

8-0 -17

MAT 828

(n,n') t
Cross Section

8-0 -17
-1.554 To 9999. %



13

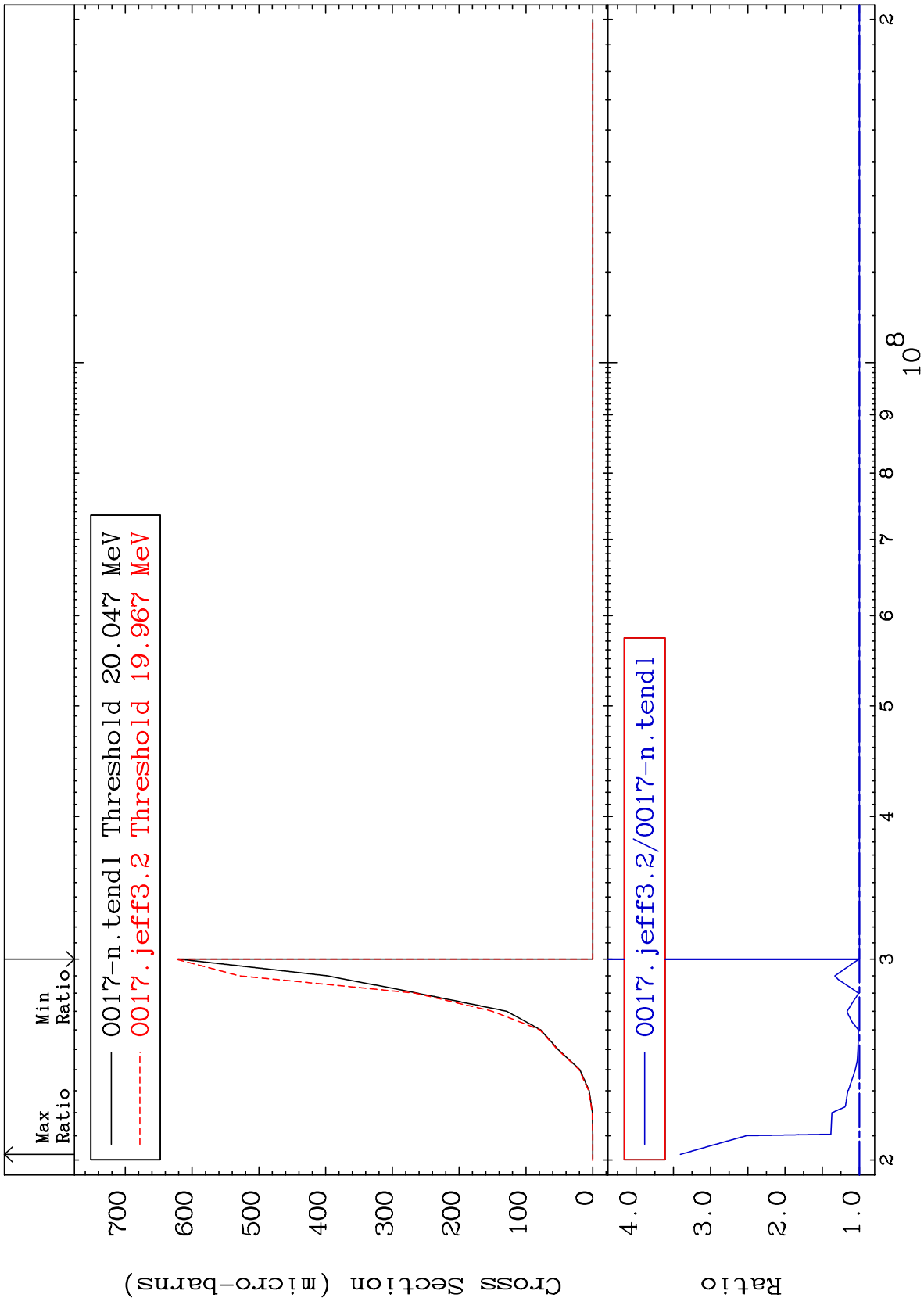
Incident Energy (eV)

8-0 -17

MAT 828

(n,n') He-3
Cross Section

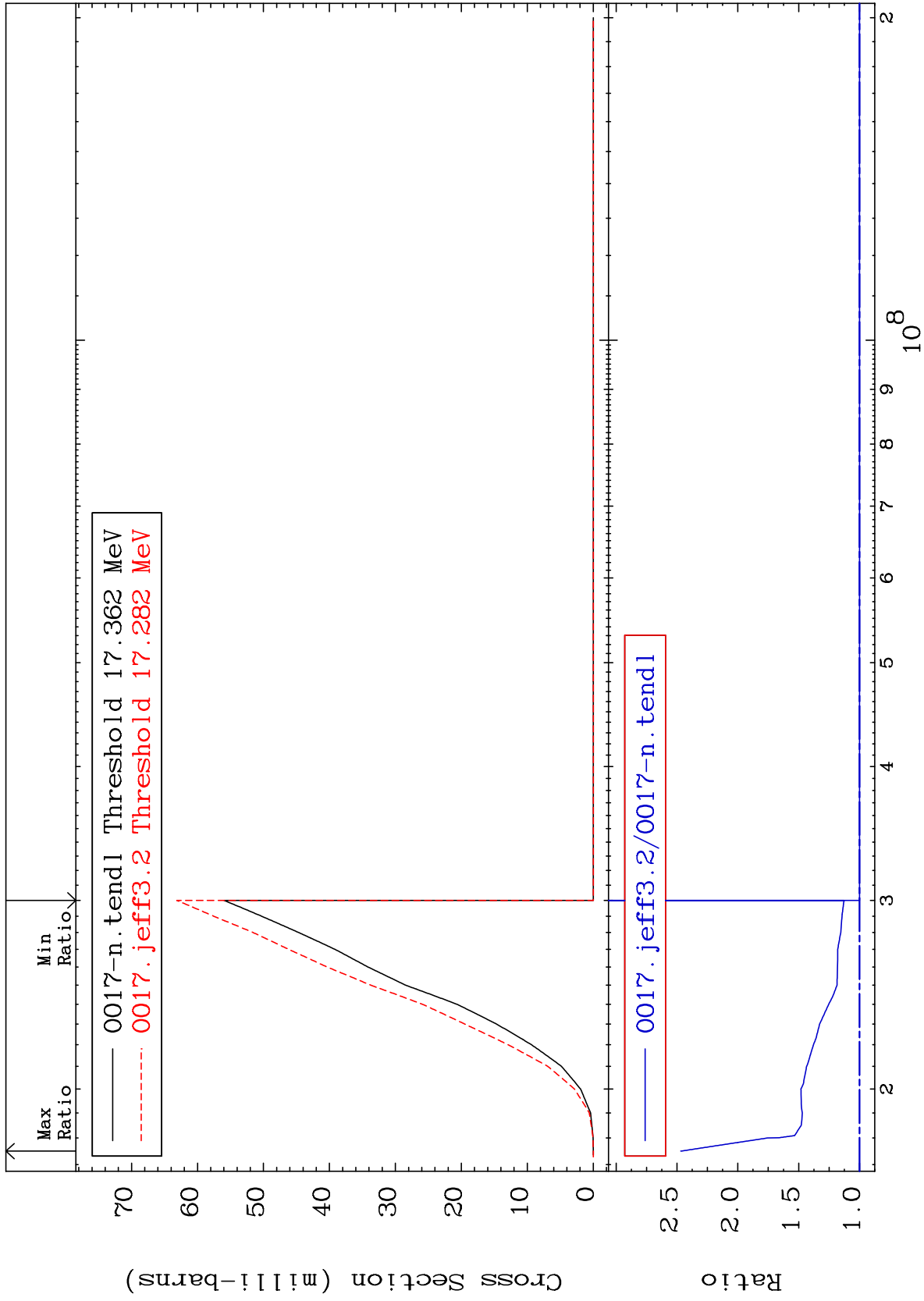
8-0 -17
0.000 To 240.6 %



MAT 828

(n,2n) p
Cross Section

8-0 -17
0.000 To 146.9 %



15

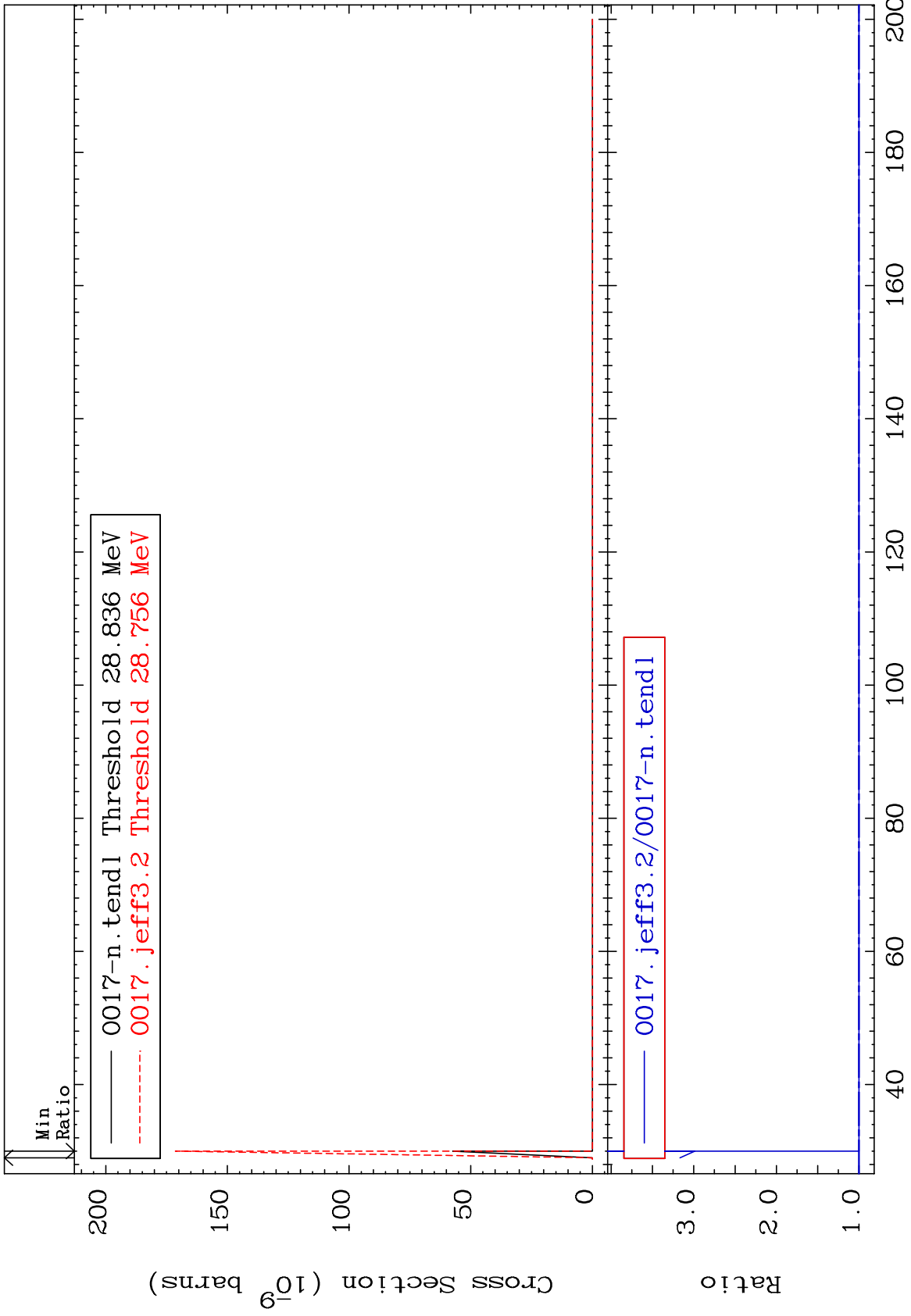
Incident Energy (eV)

8-0 -17

MAT 828

(n,3n) p
Cross Section

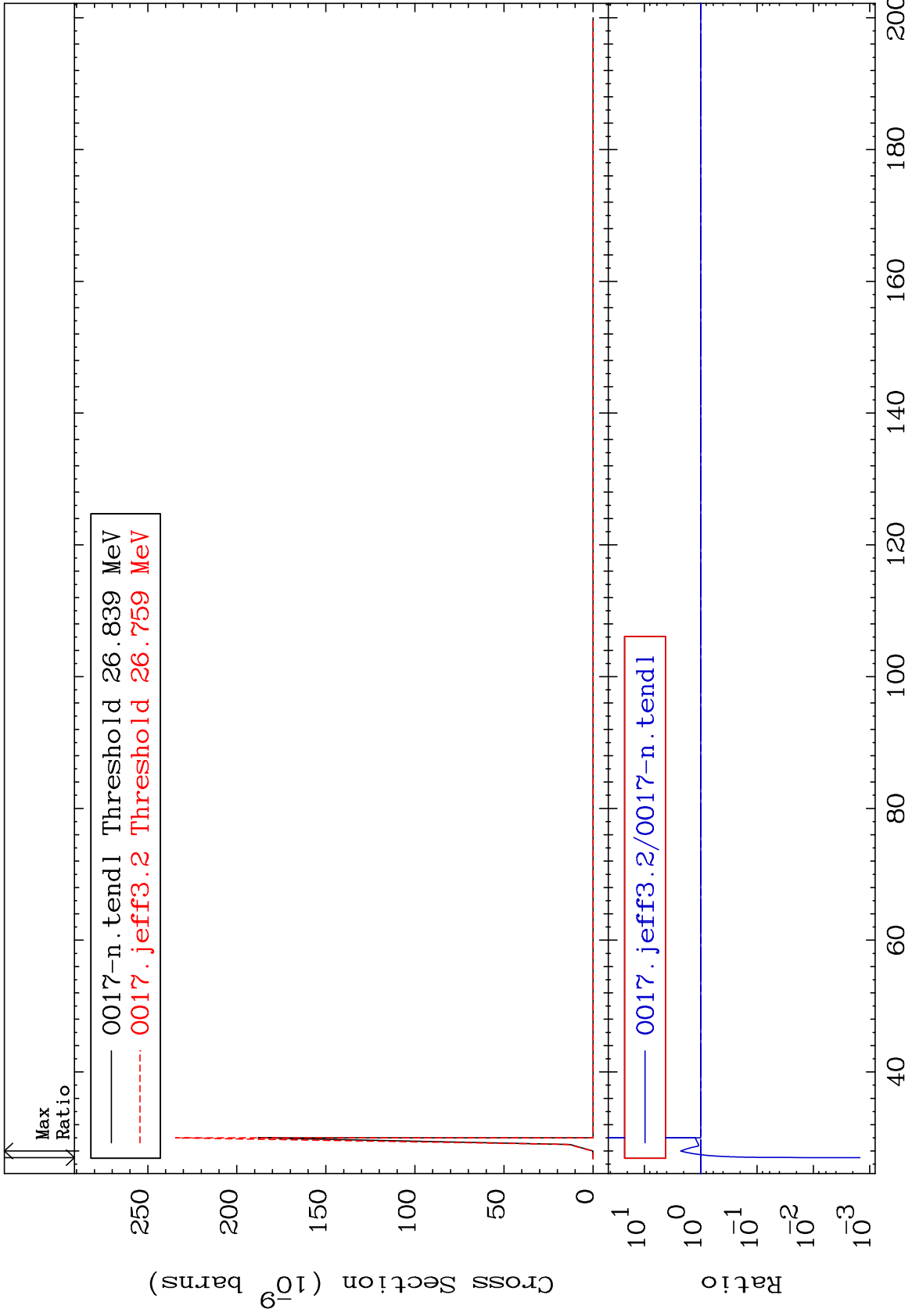
8-0 -17
0.000 To 216.7 %

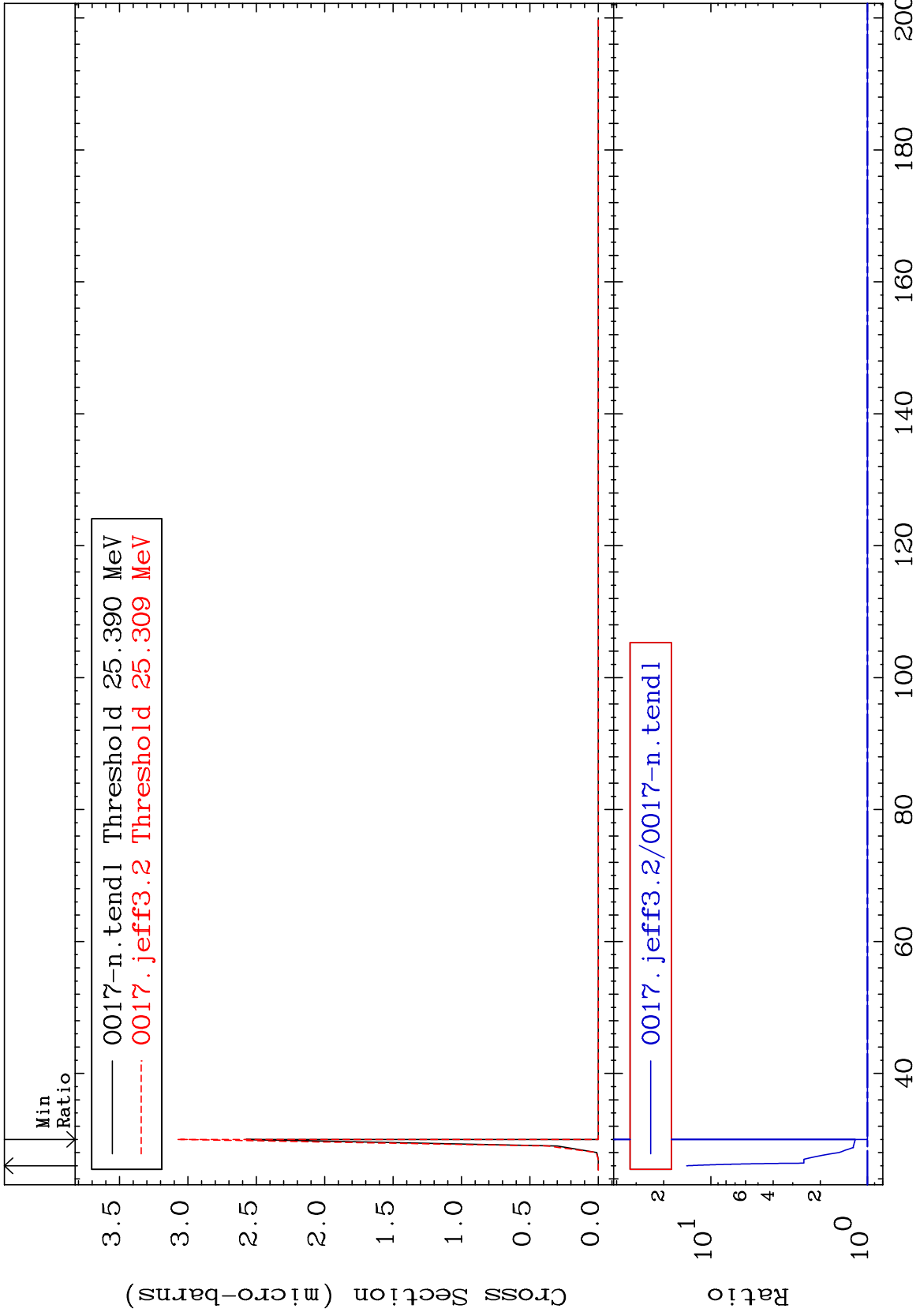


MAT 828

(n,2n) p
Cross Section

8-0 -17
-99.85 To 125.8 %

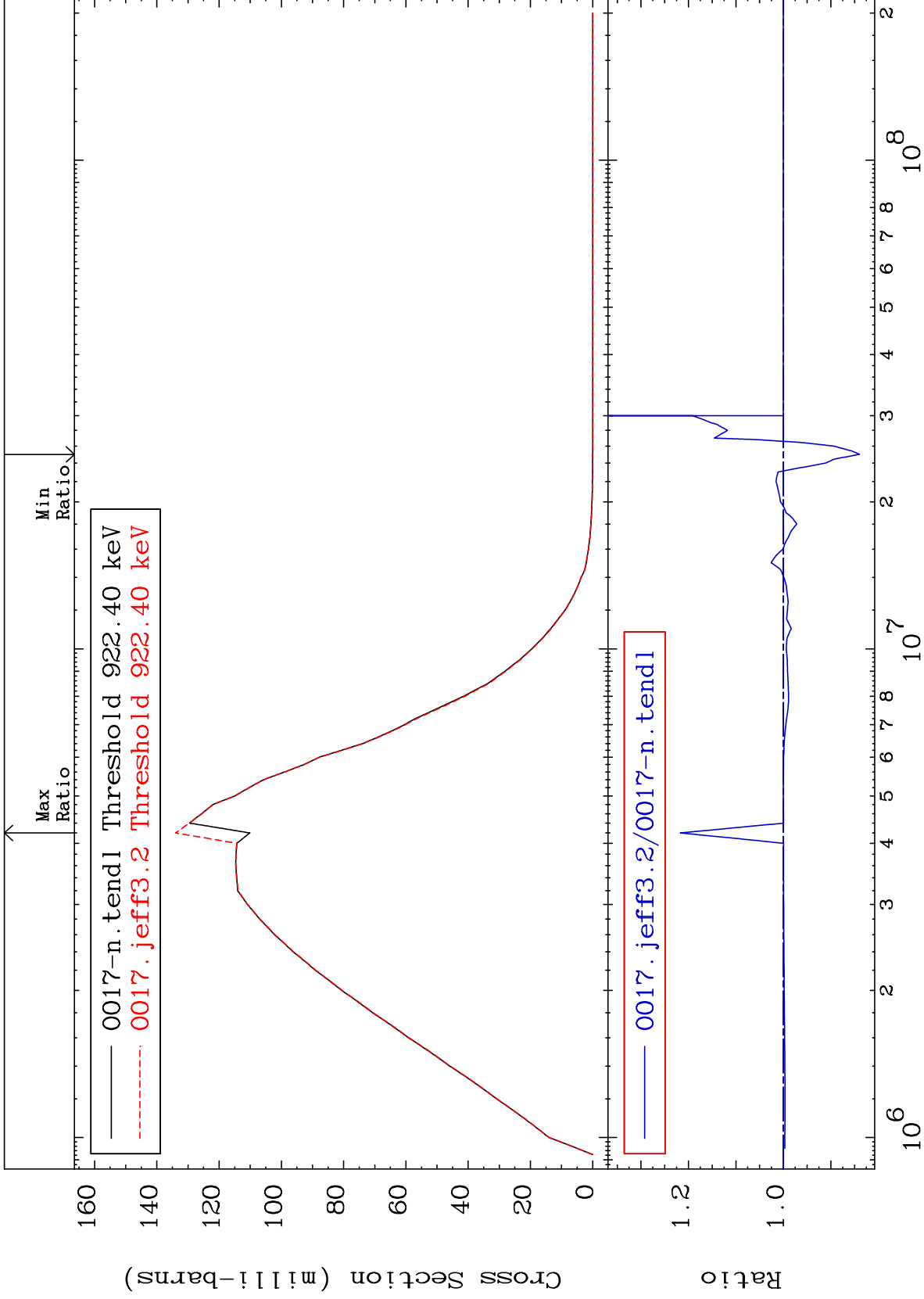




MAT 828

870.7 keV (n,n') Level
Cross Section

8-0 -17
-16.03 To 21.70 %



19

Incident Energy (eV)

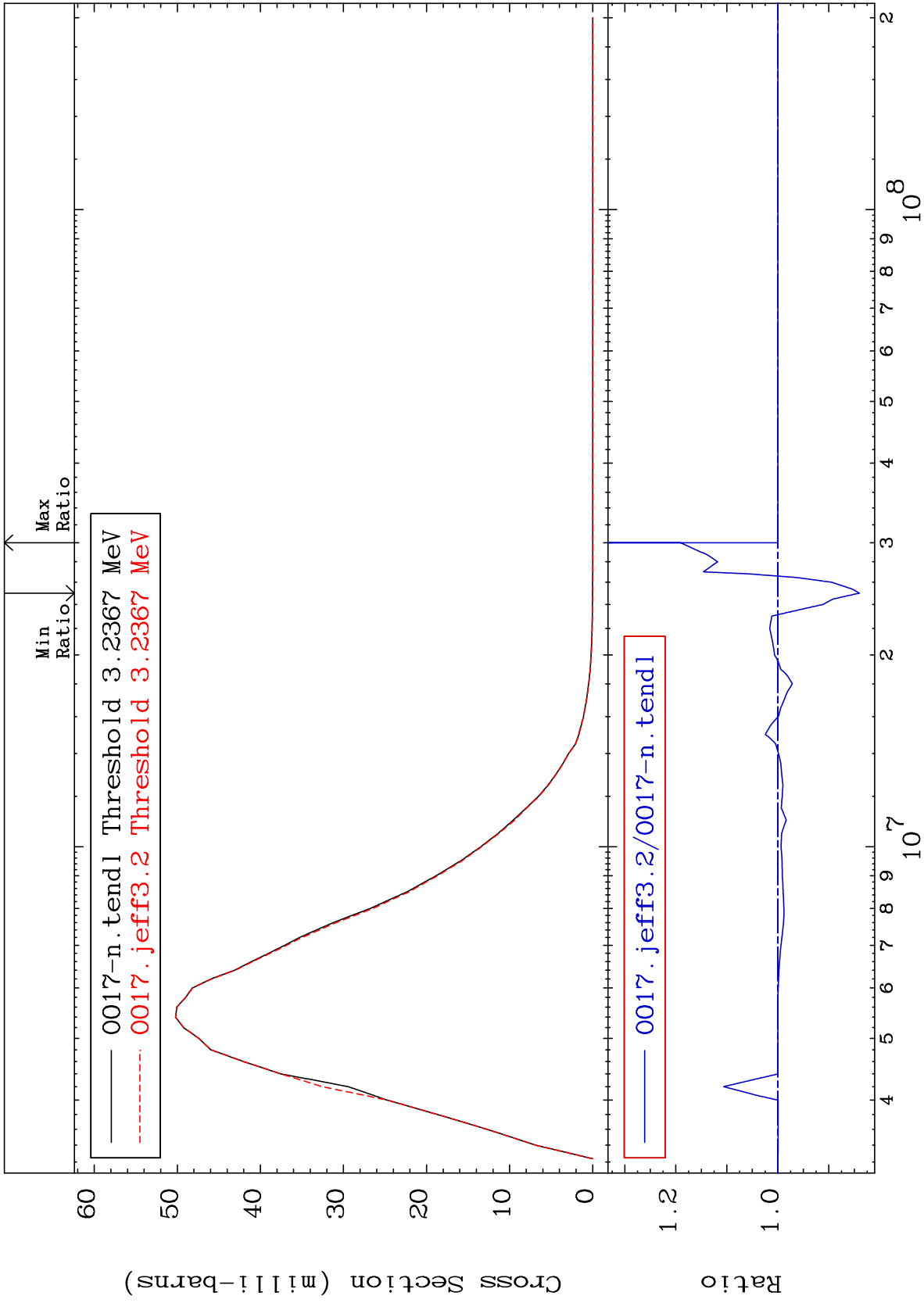
8-0 -17

MAT 828

3.055 MeV (n,n') Level

8-0 -17

-16.00 To 19.11 %



20

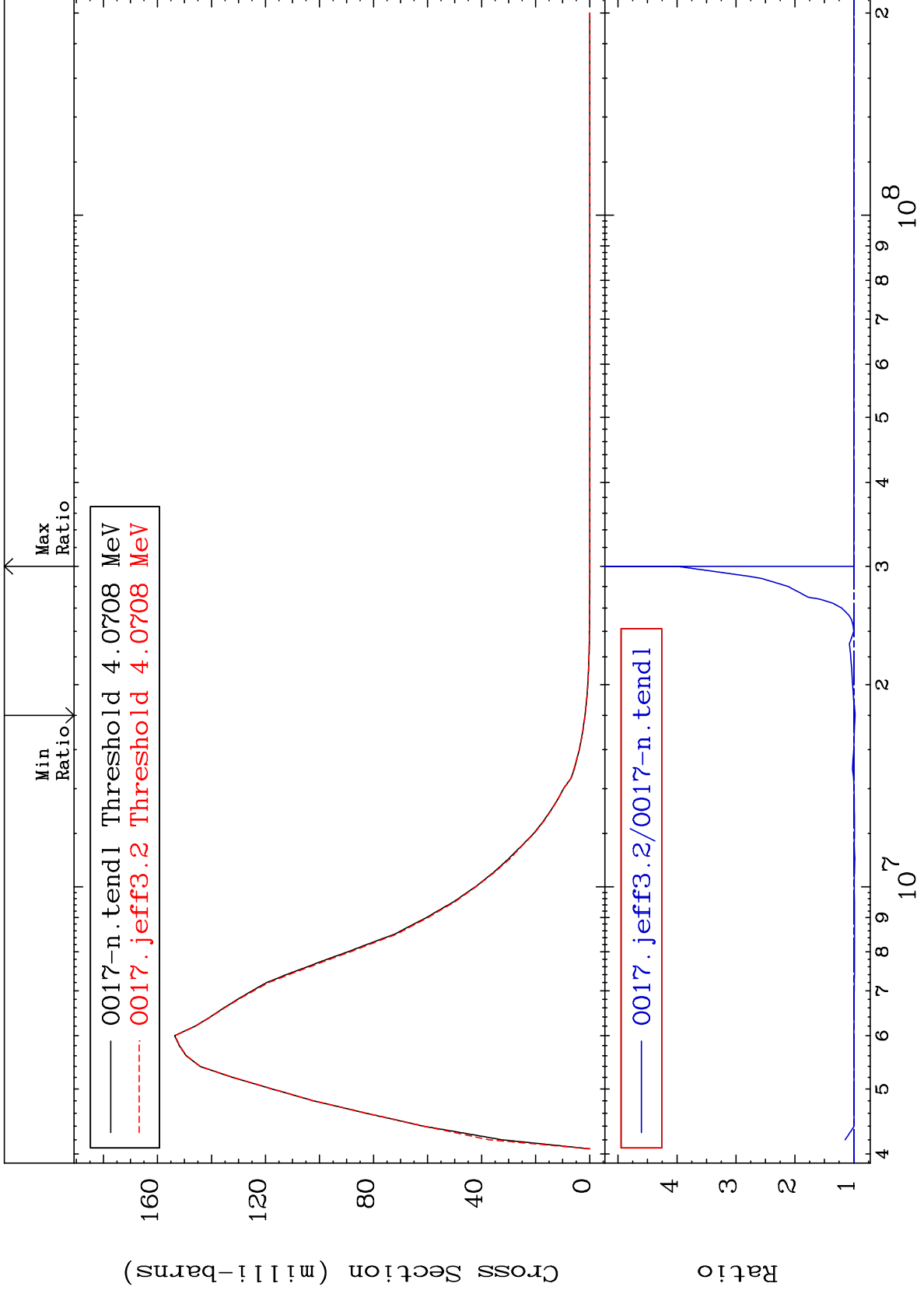
Incident Energy (eV)

8-0 -17

MAT 828

3.843 MeV (n,n') Level
Cross Section

8-0 -17
-2.044 To 300.1 %



21

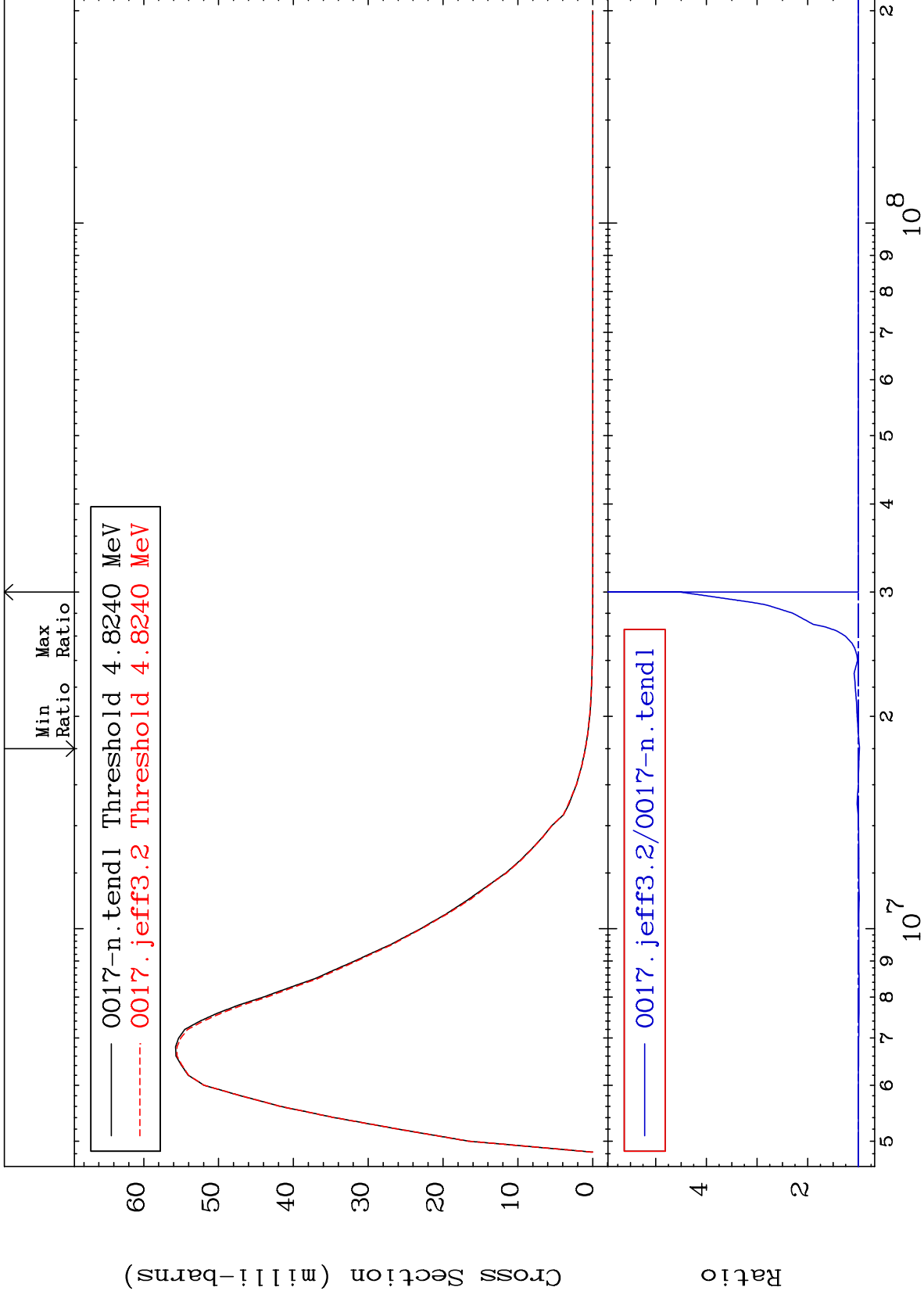
Incident Energy (eV)

8-0 -17

MAT 828

4.554 MeV (n,n') Level
Cross Section

8-0 -17
-2.007 To 351.4 %



22

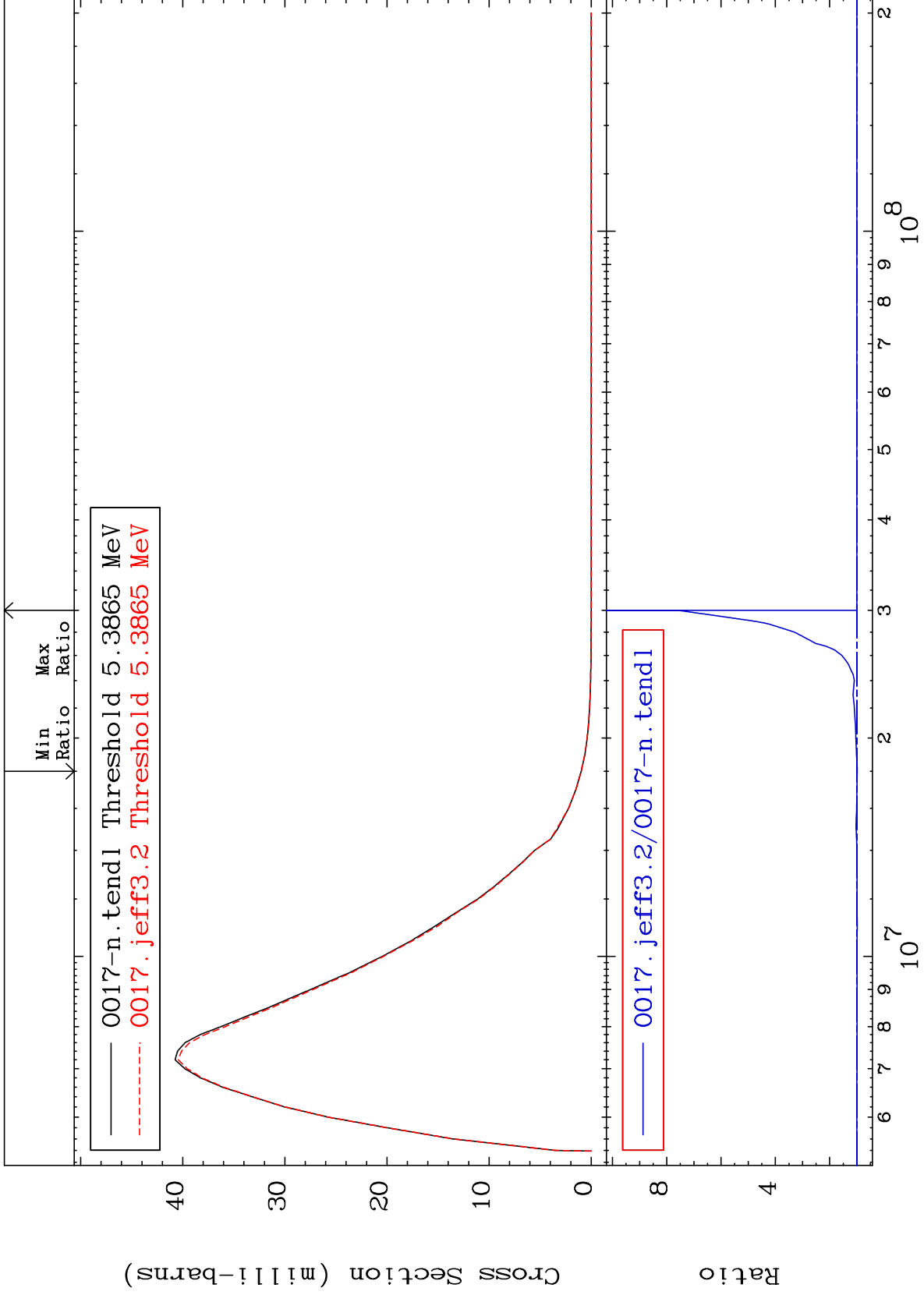
Incident Energy (eV)

8-0 -17

MAT 828

5.085 MeV (n,n') Level
Cross Section

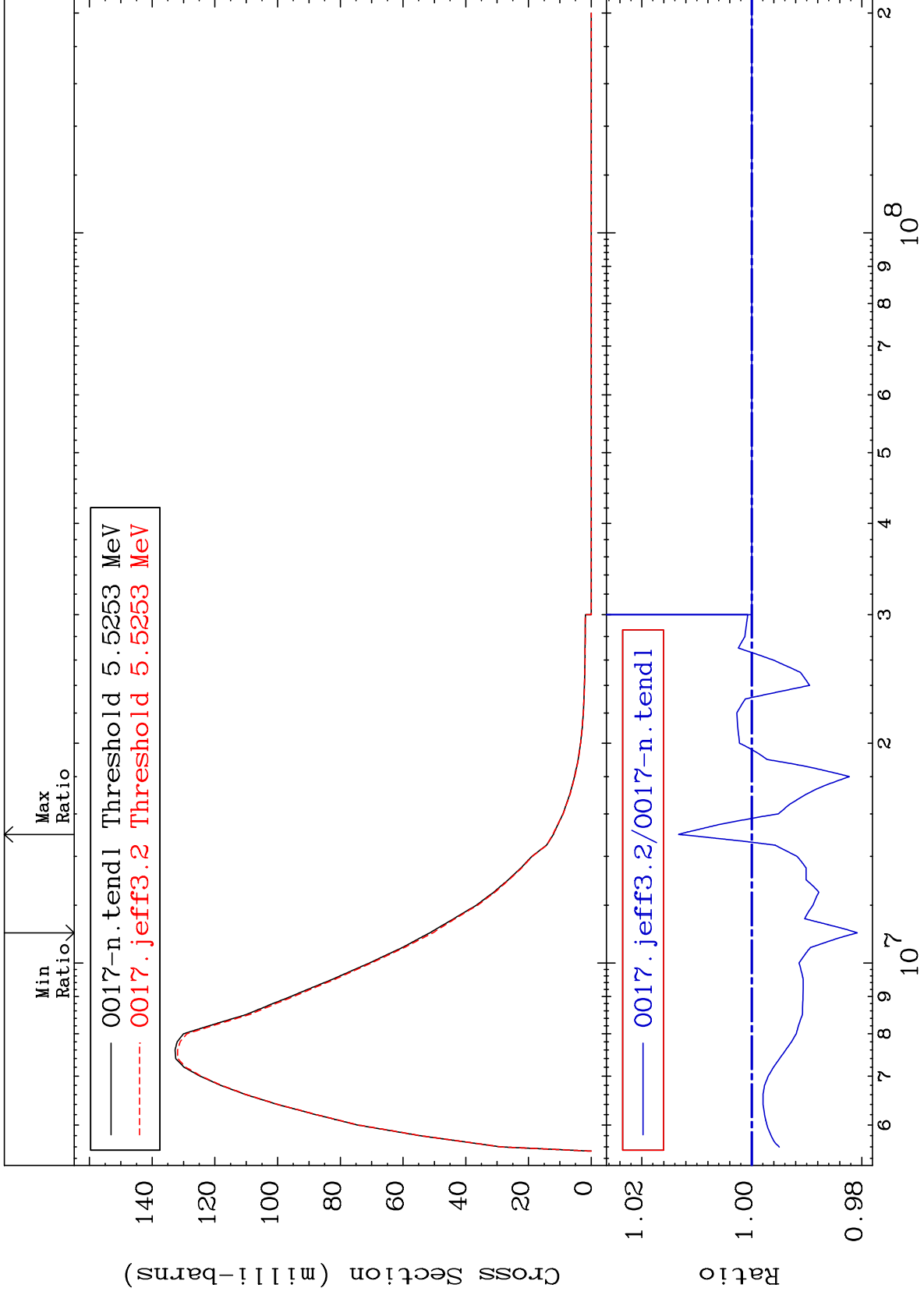
8-0 -17
-1.687 To 656.3 %



MAT 828

5.216 MeV (n,n') Level
Cross Section

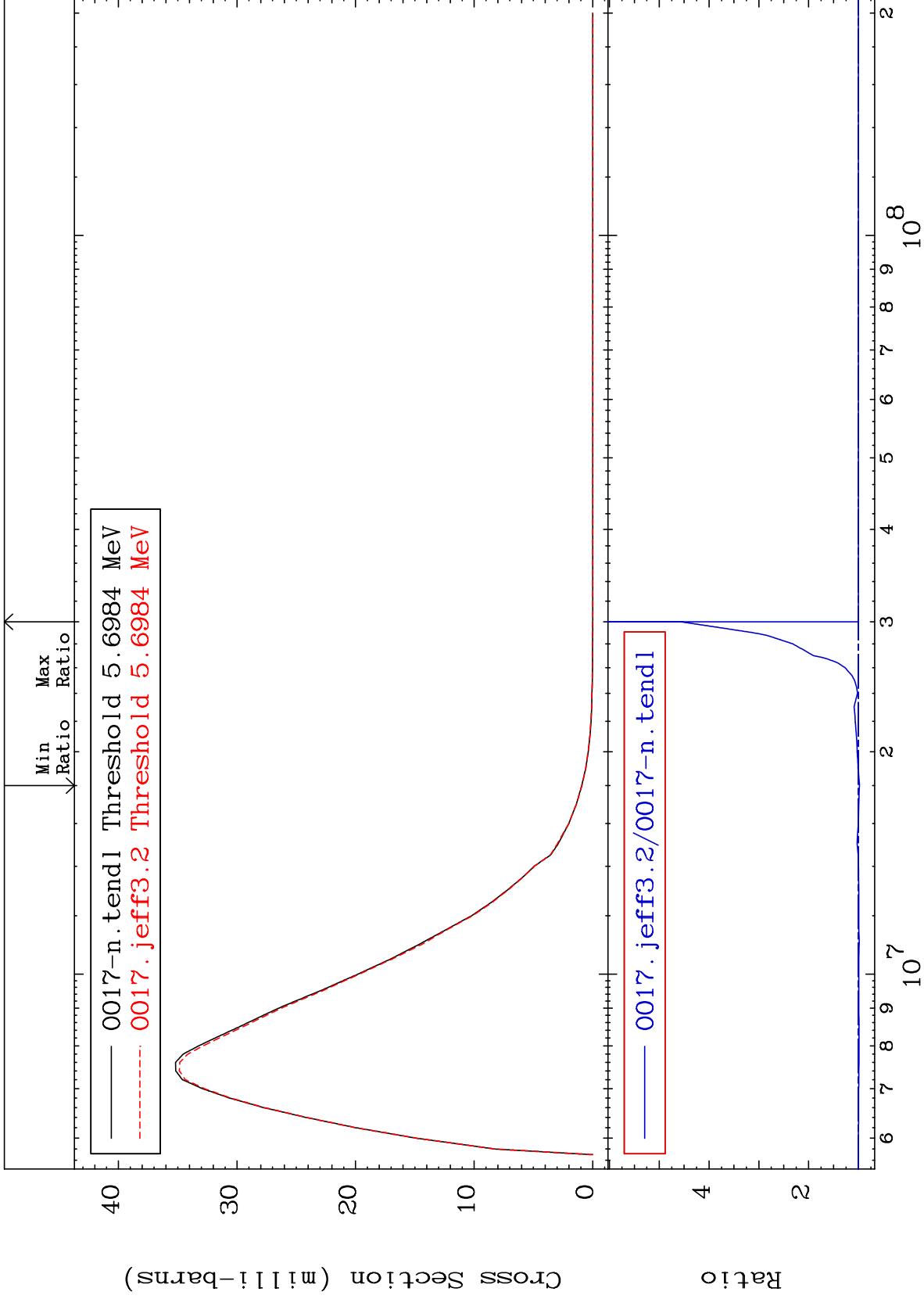
8-0 -17
-1.918 To 1.331 %



MAT 828

5.379 MeV (n,n') Level
Cross Section

8-0 -17
-2.006 To 357.7 %



25

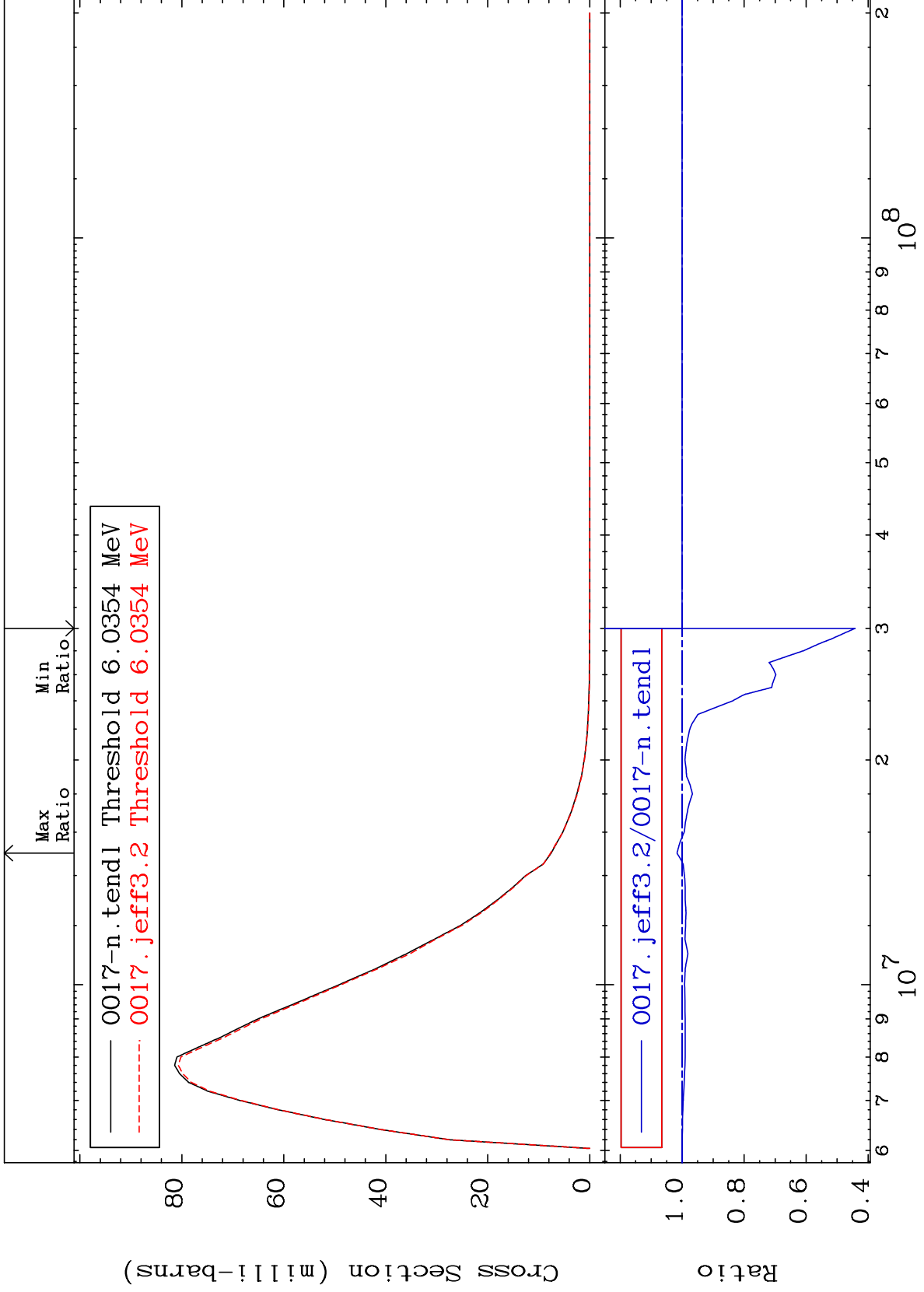
Incident Energy (eV)

8-0 -17

MAT 828

5.697 MeV (n,n') Level
Cross Section

8-0 -17
-55.79 To 1.688 %



26

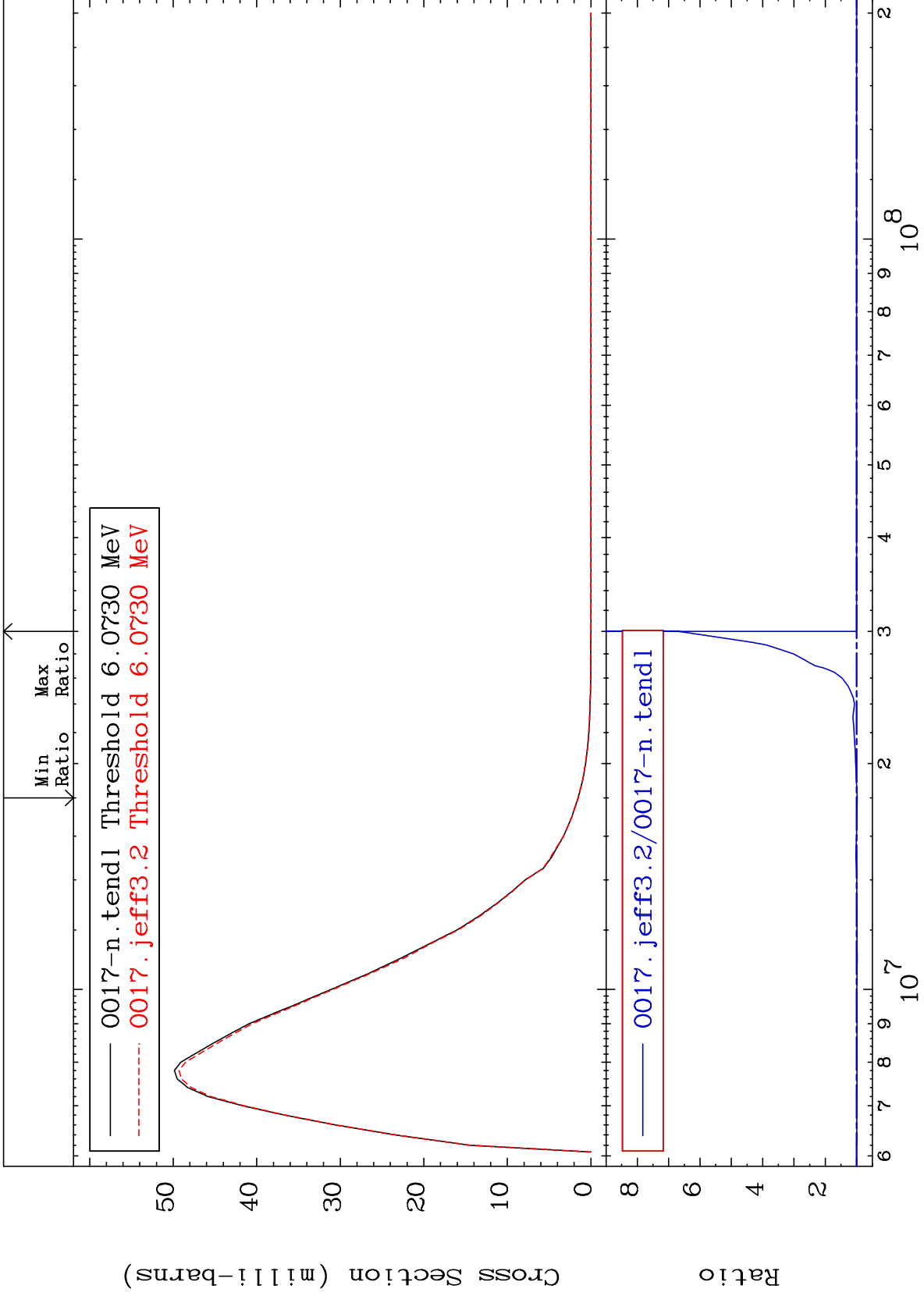
Incident Energy (eV)

8-0 -17

MAT 828

5.733 MeV (n,n') Level
Cross Section

8-0 -17
-1.736 To 568.8 %



27

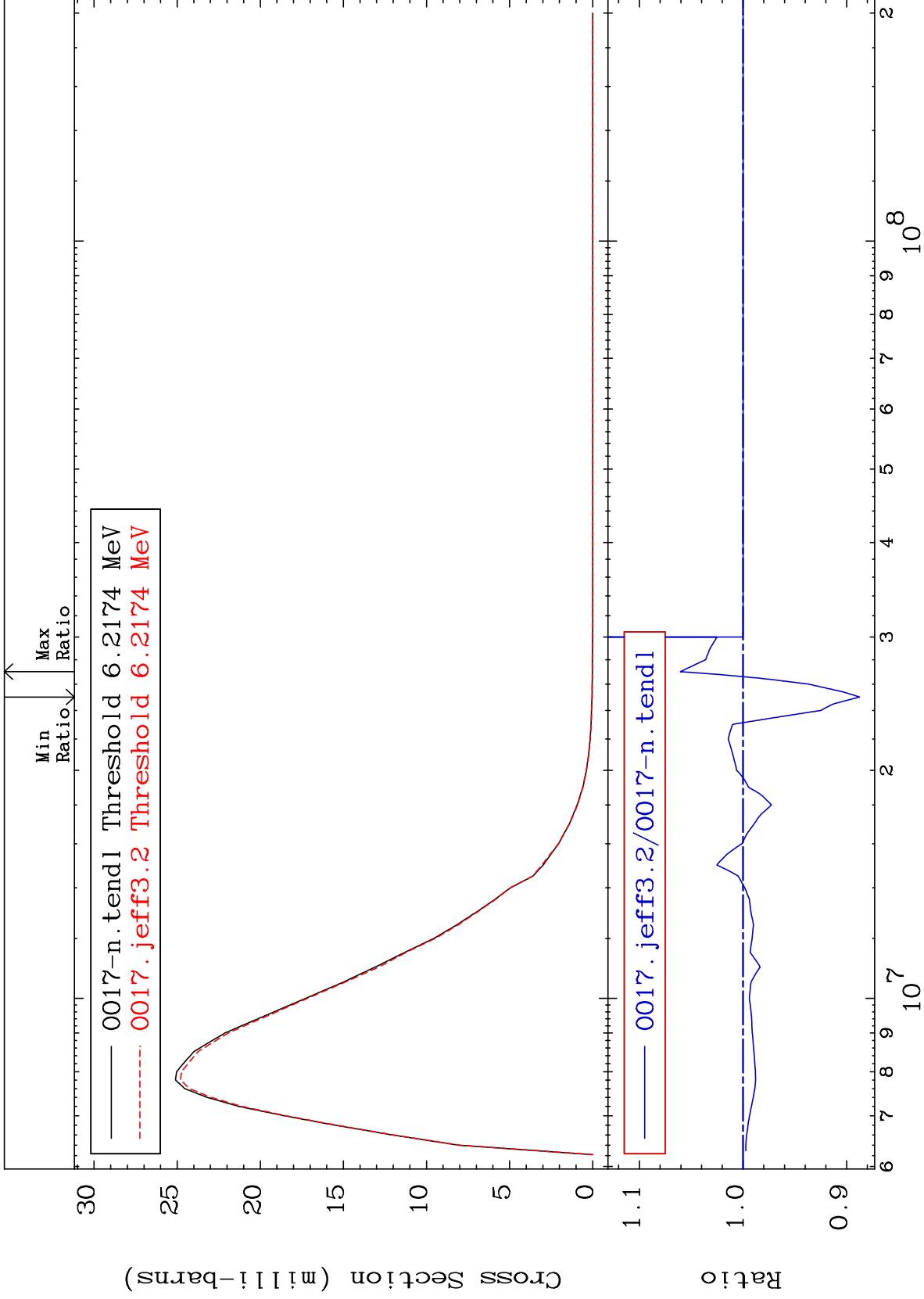
Incident Energy (eV)

8-0 -17

MAT 828

5.869 MeV (n,n') Level
Cross Section

8-0 -17
-11.23 To 6.047 %



28

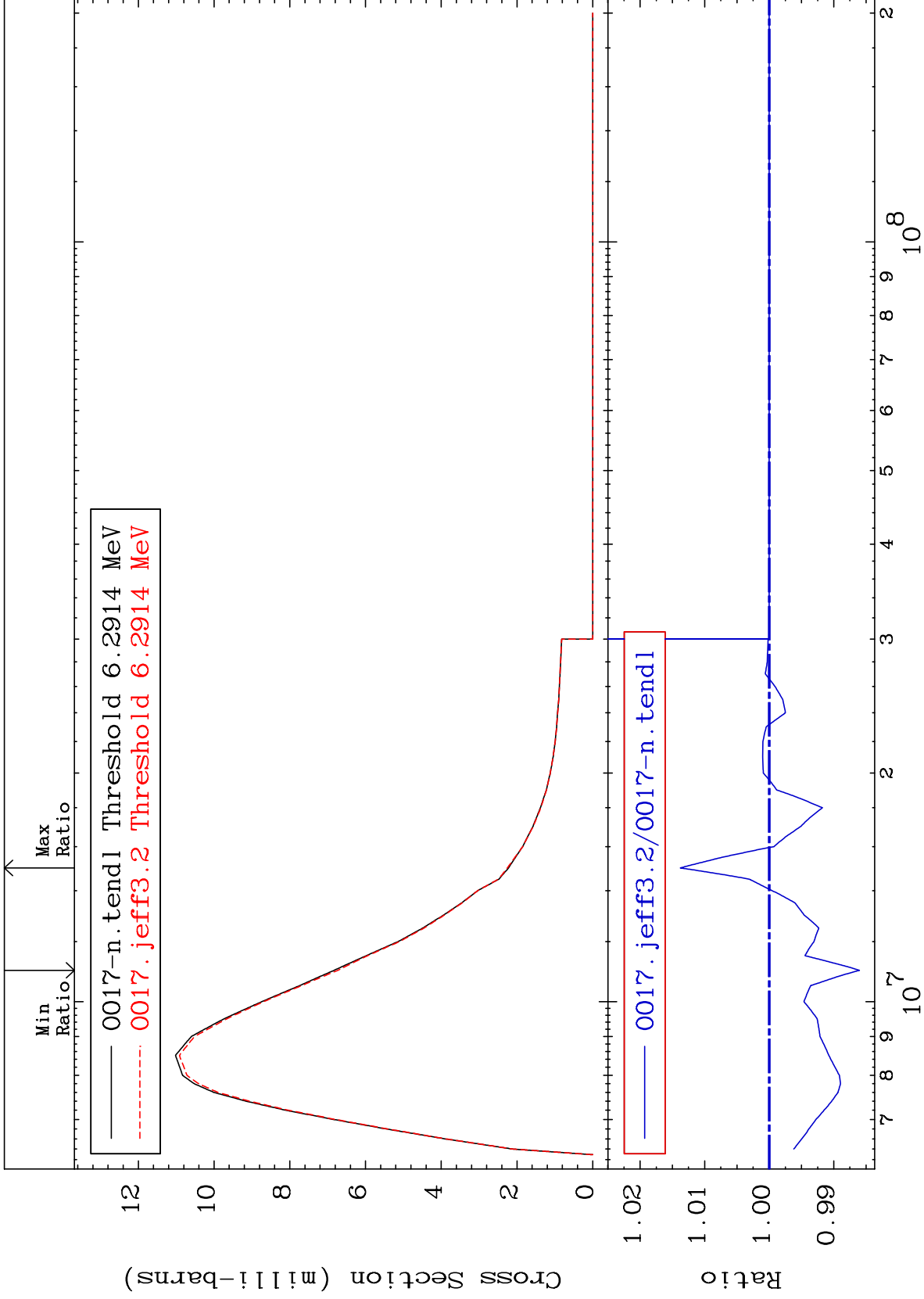
Incident Energy (eV)

8-0 -17

MAT 828

5.939 MeV (n,n') Level
Cross Section

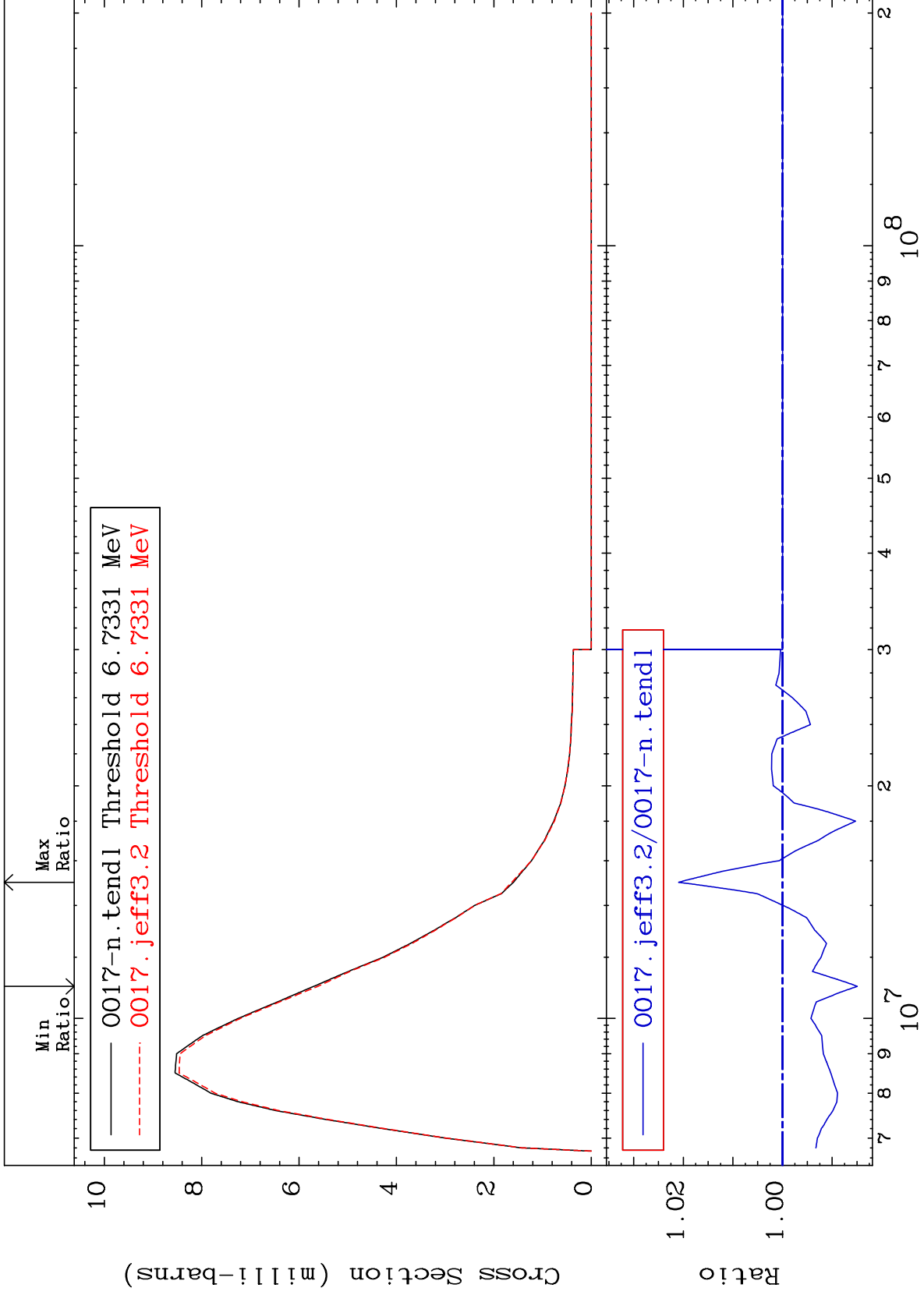
8-0 -17
-1.397 To 1.377 %



MAT 828

6.356 MeV (n,n') Level
Cross Section

8-0 -17
-1.506 To 2.094 %



30

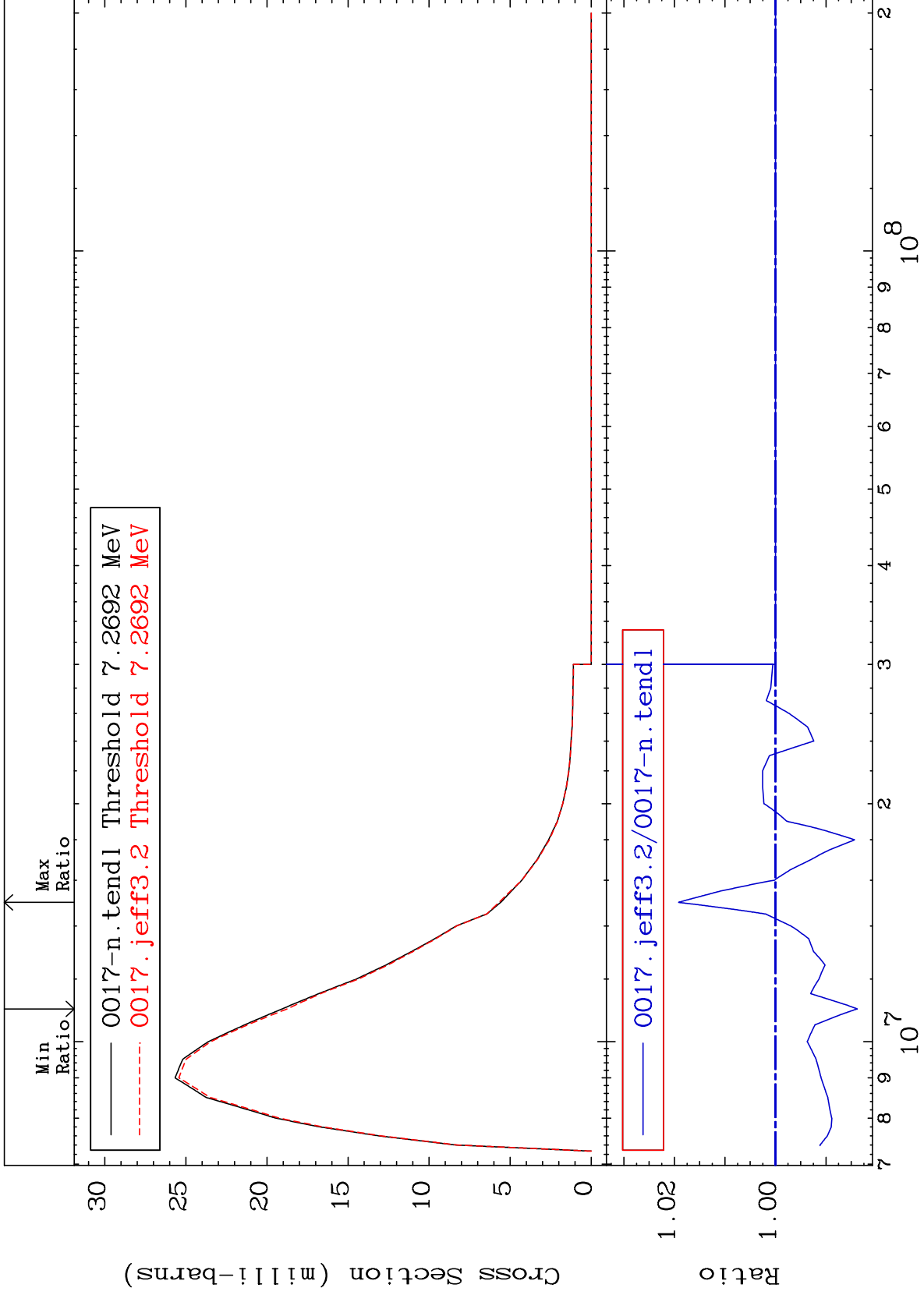
Incident Energy (eV)

8-0 -17

MAT 828

6.862 MeV (n,n') Level
Cross Section

8-0 -17
-1.619 To 1.916 %



31

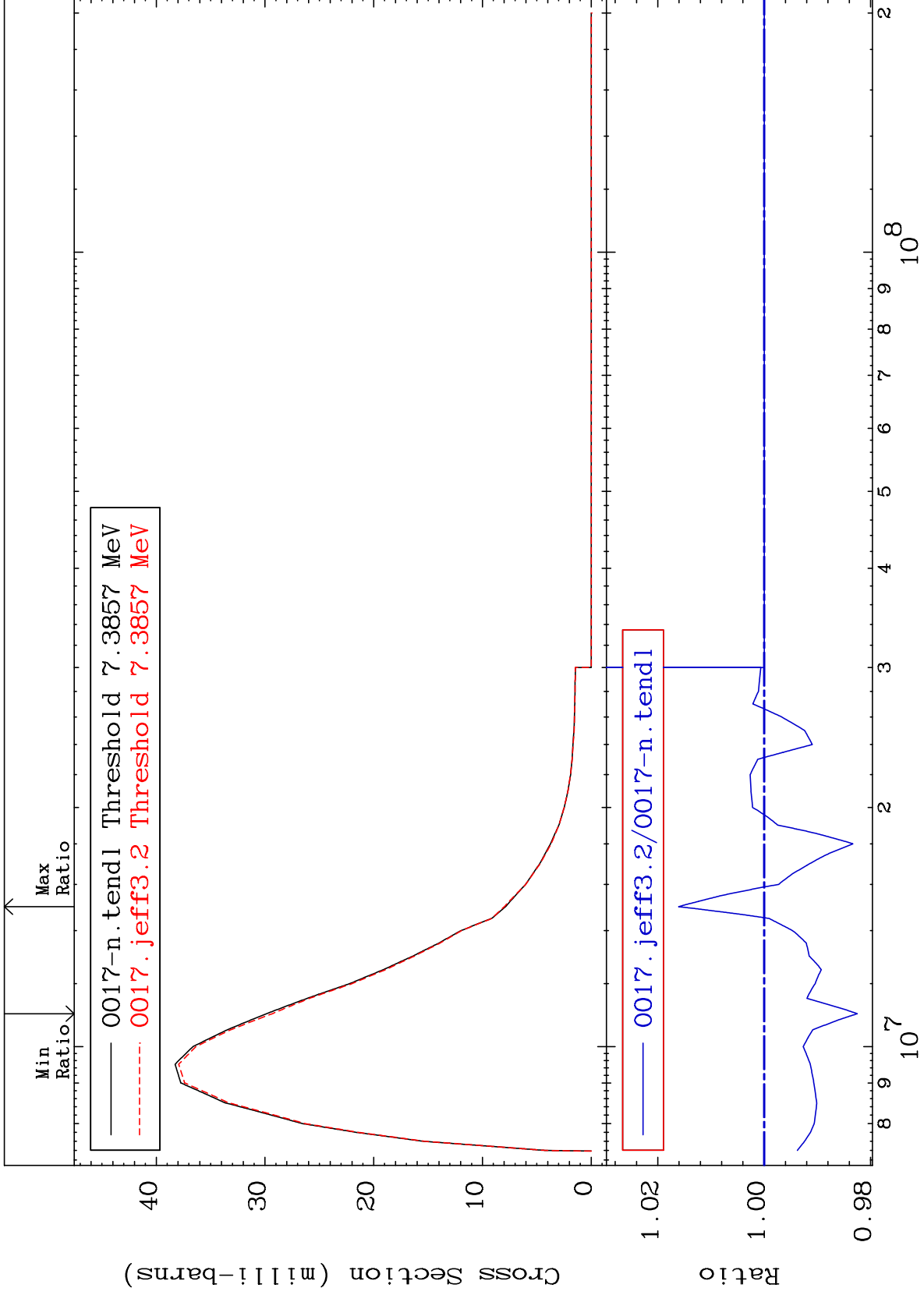
Incident Energy (eV)

8-0 -17

MAT 828

6.972 MeV (n,n') Level
Cross Section

8-0 -17
-1.750 To 1.608 %



32

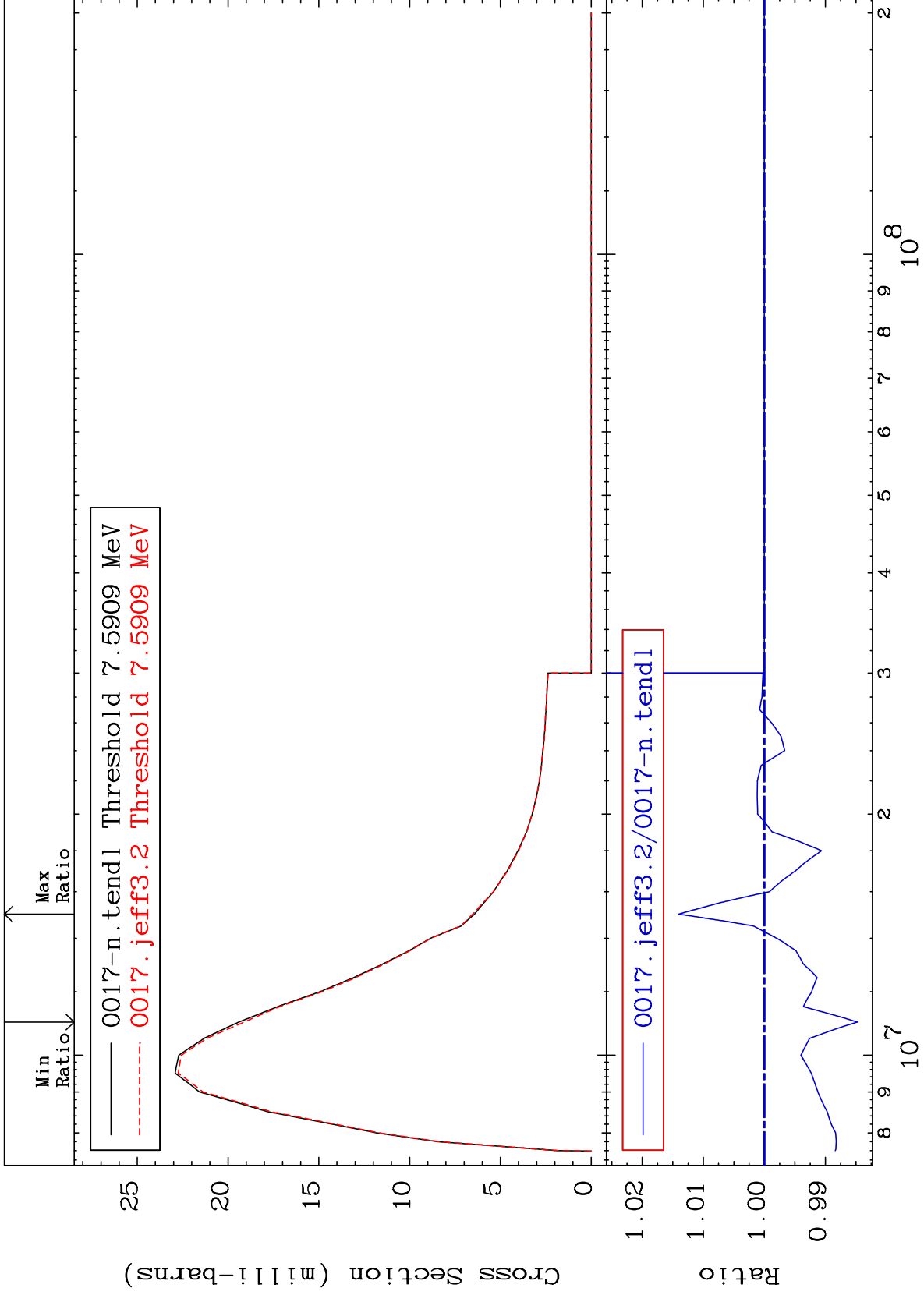
Incident Energy (eV)

8-0 -17

MAT 828

7.166 MeV (n,n') Level
Cross Section

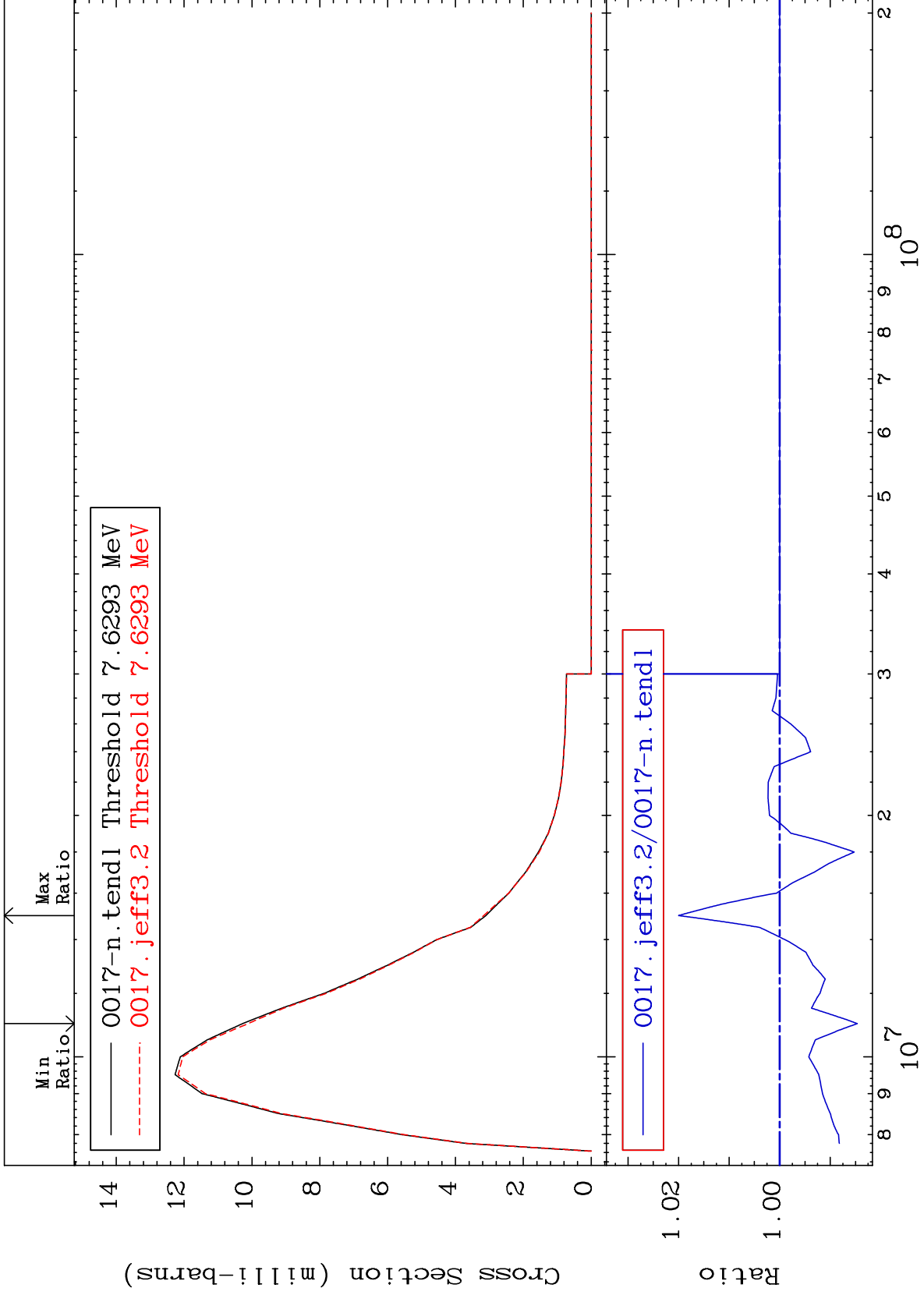
8-0 -17
-1.521 To 1.405 %



MAT 828

7.202 MeV (n,n') Level
Cross Section

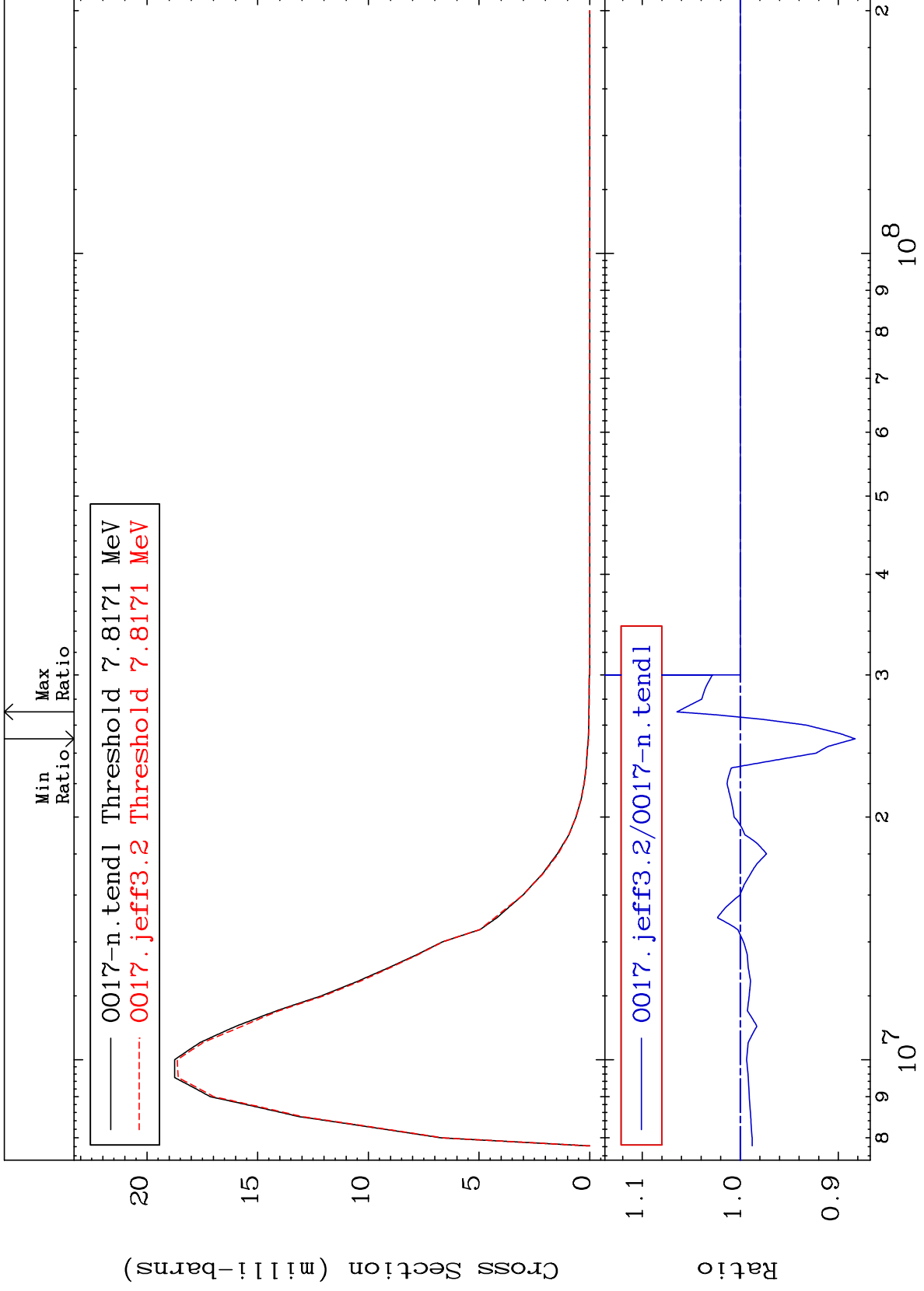
8-0 -17
-1.535 To 1.999 %



MAT 828

7.379 MeV (n,n') Level
Cross Section

8-0 -17
-11.71 To 6.467 %



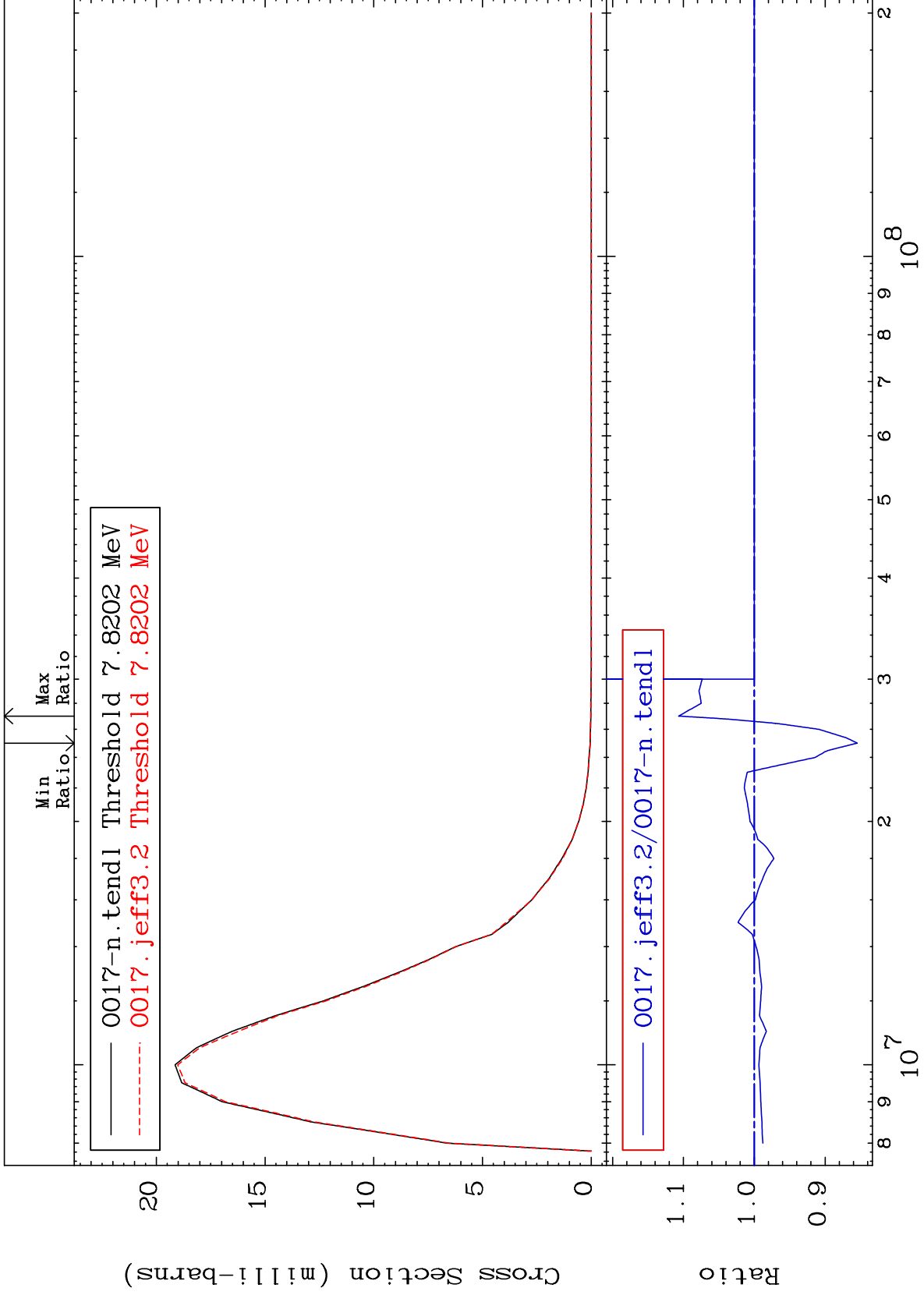
35

8-0 -17

MAT 828

7.382 MeV (n,n') Level
Cross Section

8-0 -17
-14.53 To 10.68 %



36

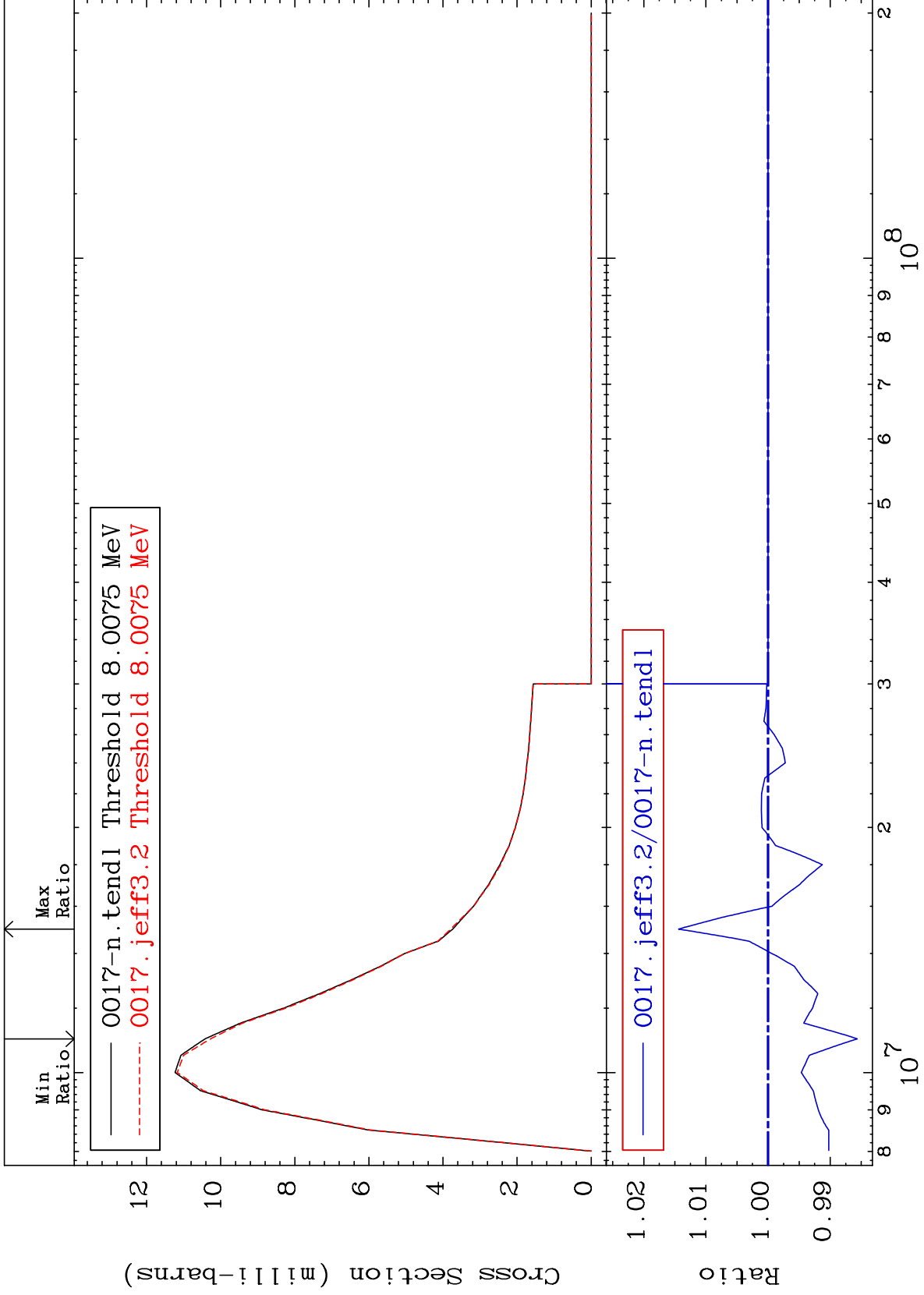
Incident Energy (eV)

8-0 -17

MAT 828

7.559 MeV (n,n') Level
Cross Section

8-0 -17
-1.435 To 1.439 %



37

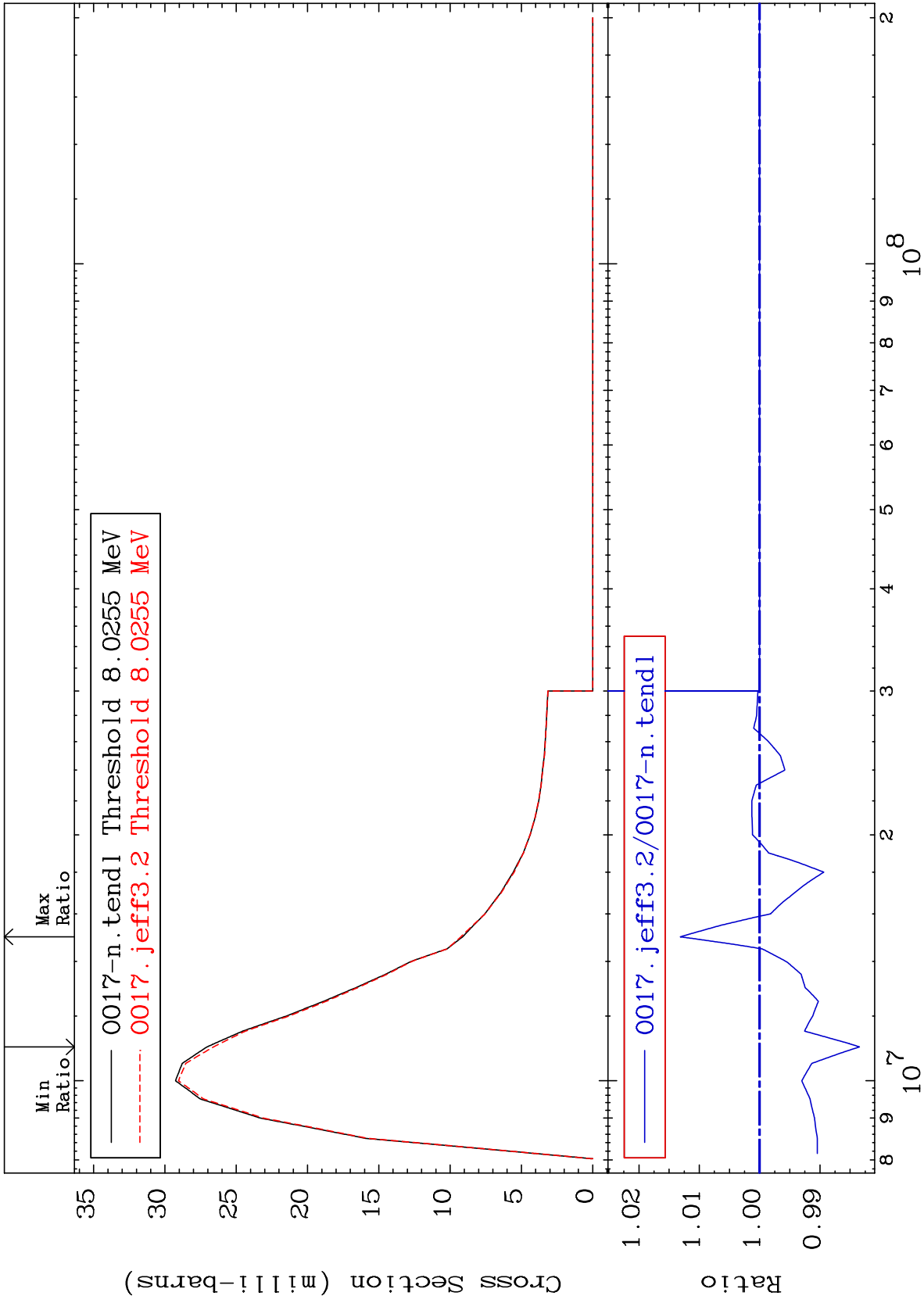
Incident Energy (eV)

8-0 -17

MAT 828

7.576 MeV (n,n') Level
Cross Section

8-0 -17
-1.655 To 1.314 %



38

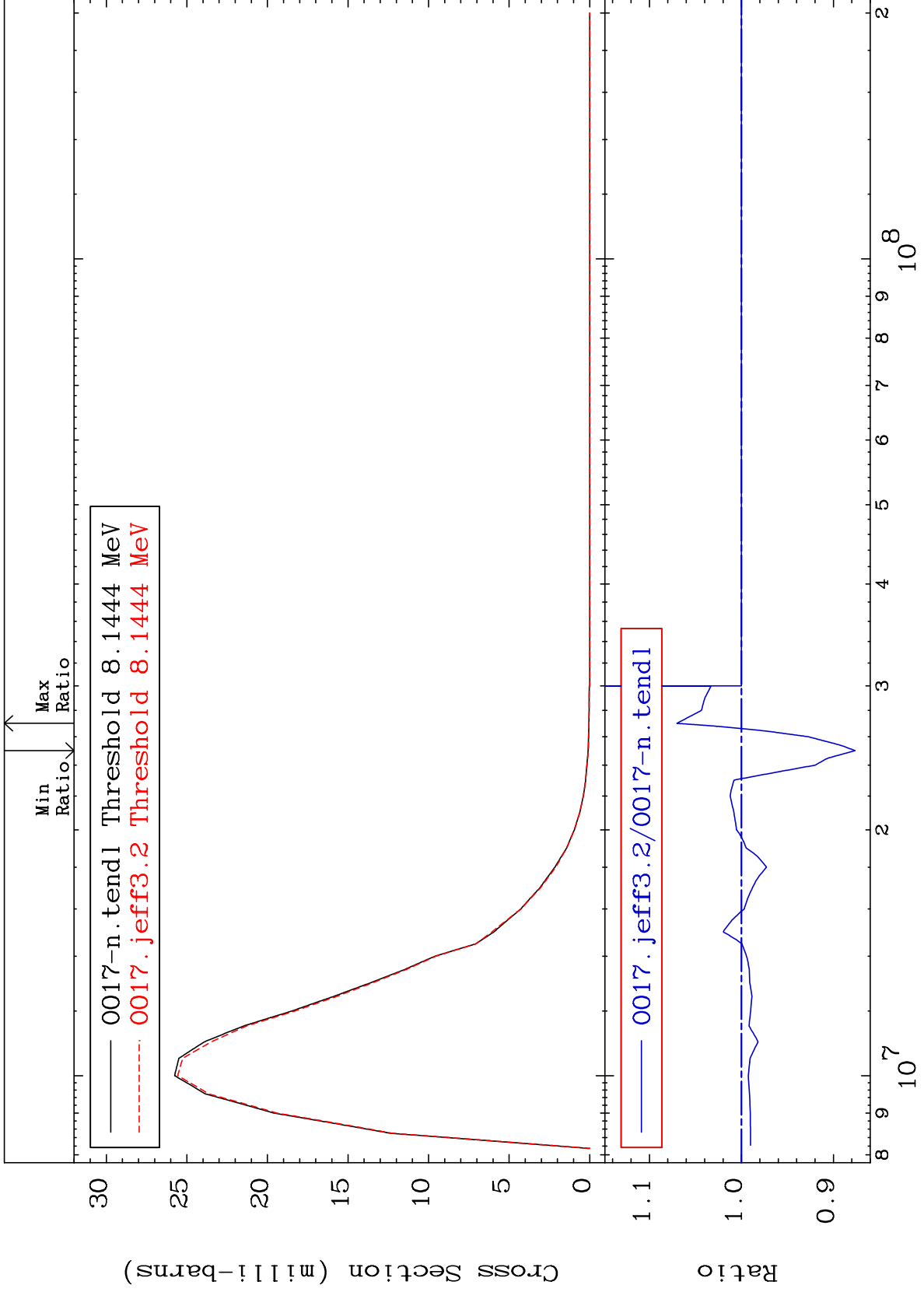
Incident Energy (eV)

8-0 -17

MAT 828

7.688 MeV (n,n') Level
Cross Section

8-0 -17
-12.35 To 7.014 %



39

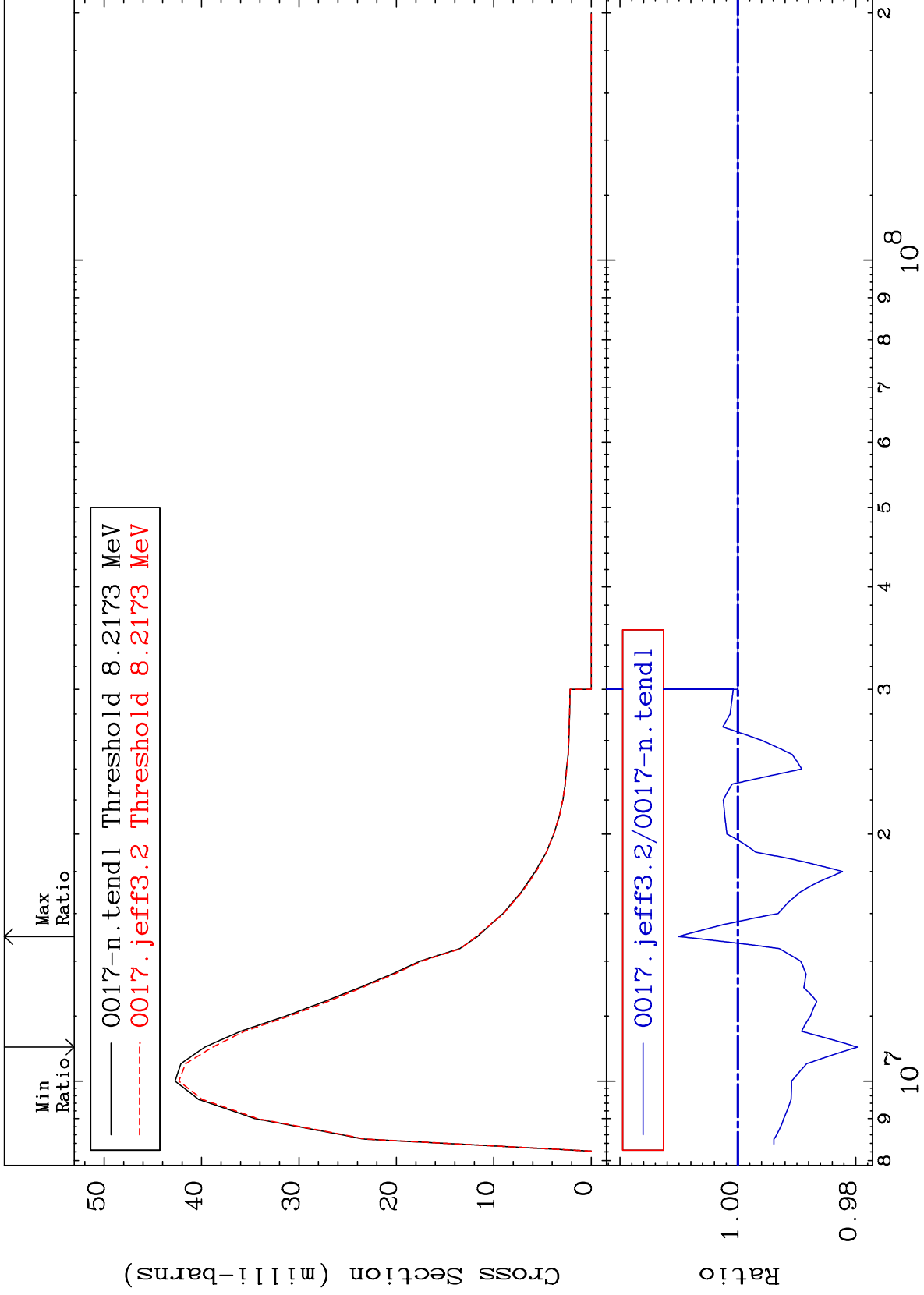
Incident Energy (eV)

8-0 -17

MAT 828

7.757 MeV (n,n') Level
Cross Section

8-0 -17
-2.024 To 1.006 %



40

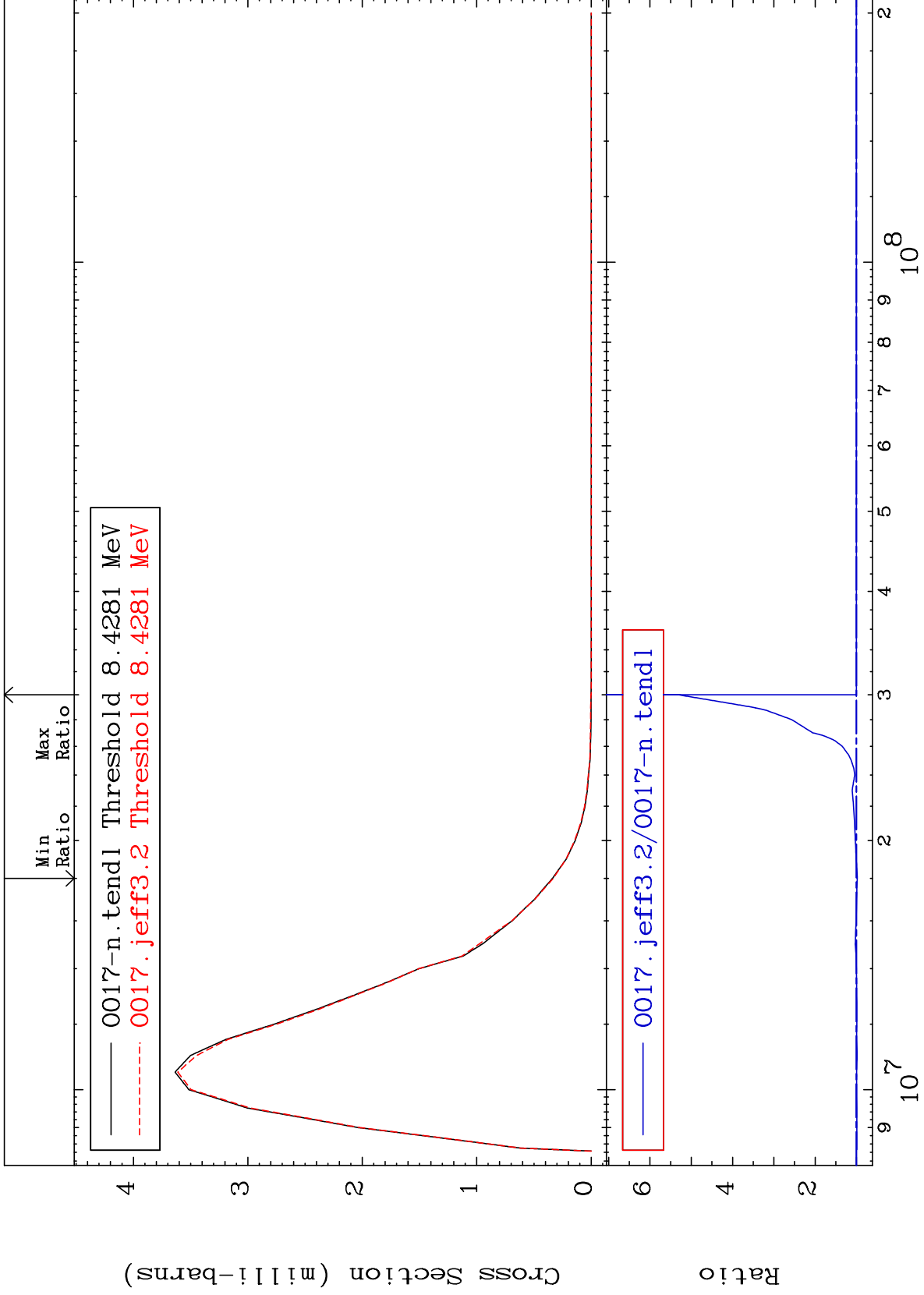
Incident Energy (eV)

8-0 -17

MAT 828

7.956 MeV (n,n') Level
Cross Section

8-0 -17
-1.976 To 430.6 %



41

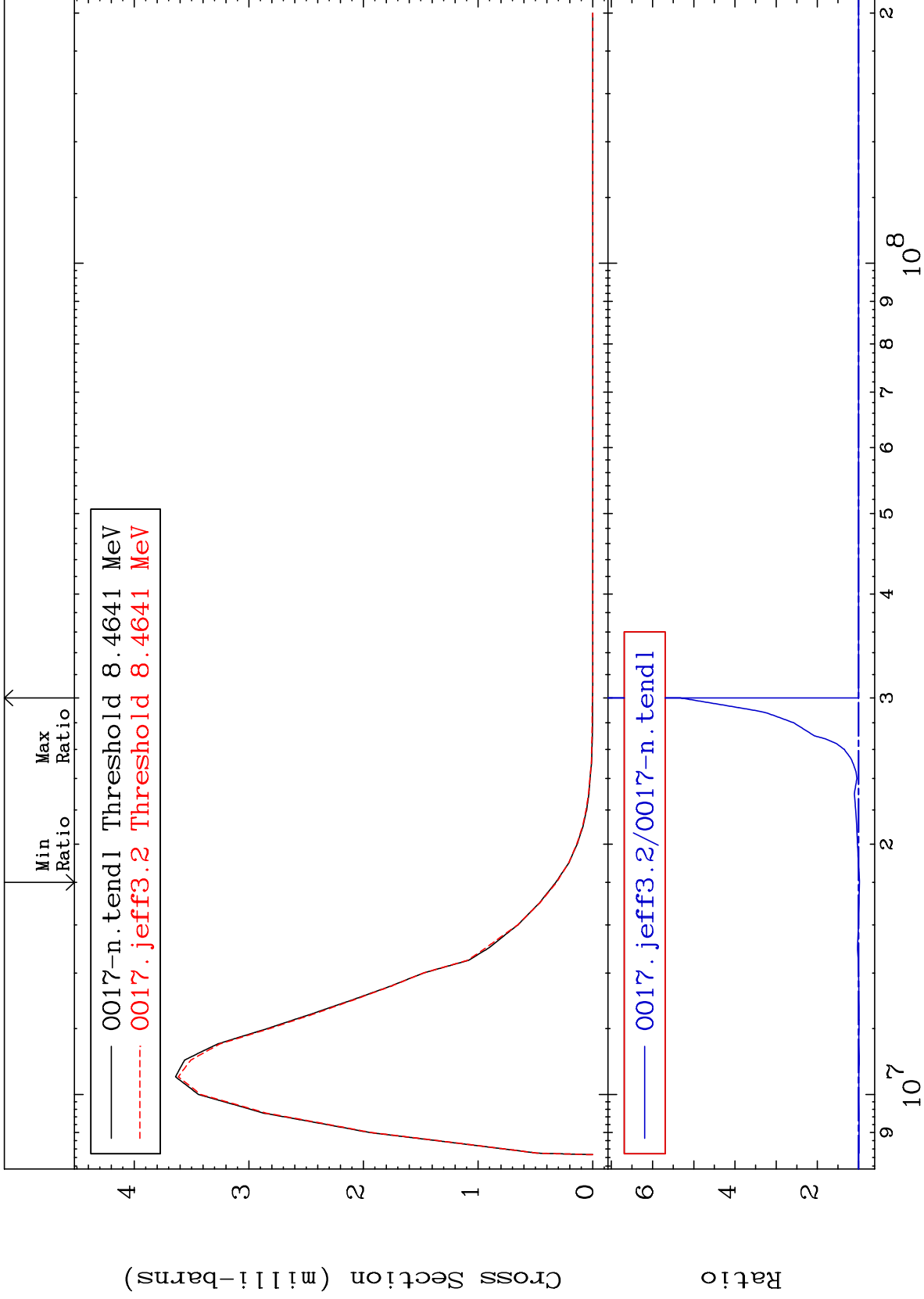
Incident Energy (eV)

8-0 -17

MAT 828

7.990 MeV (n,n') Level
Cross Section

8-0 -17
-1.981 To 432.5 %



42

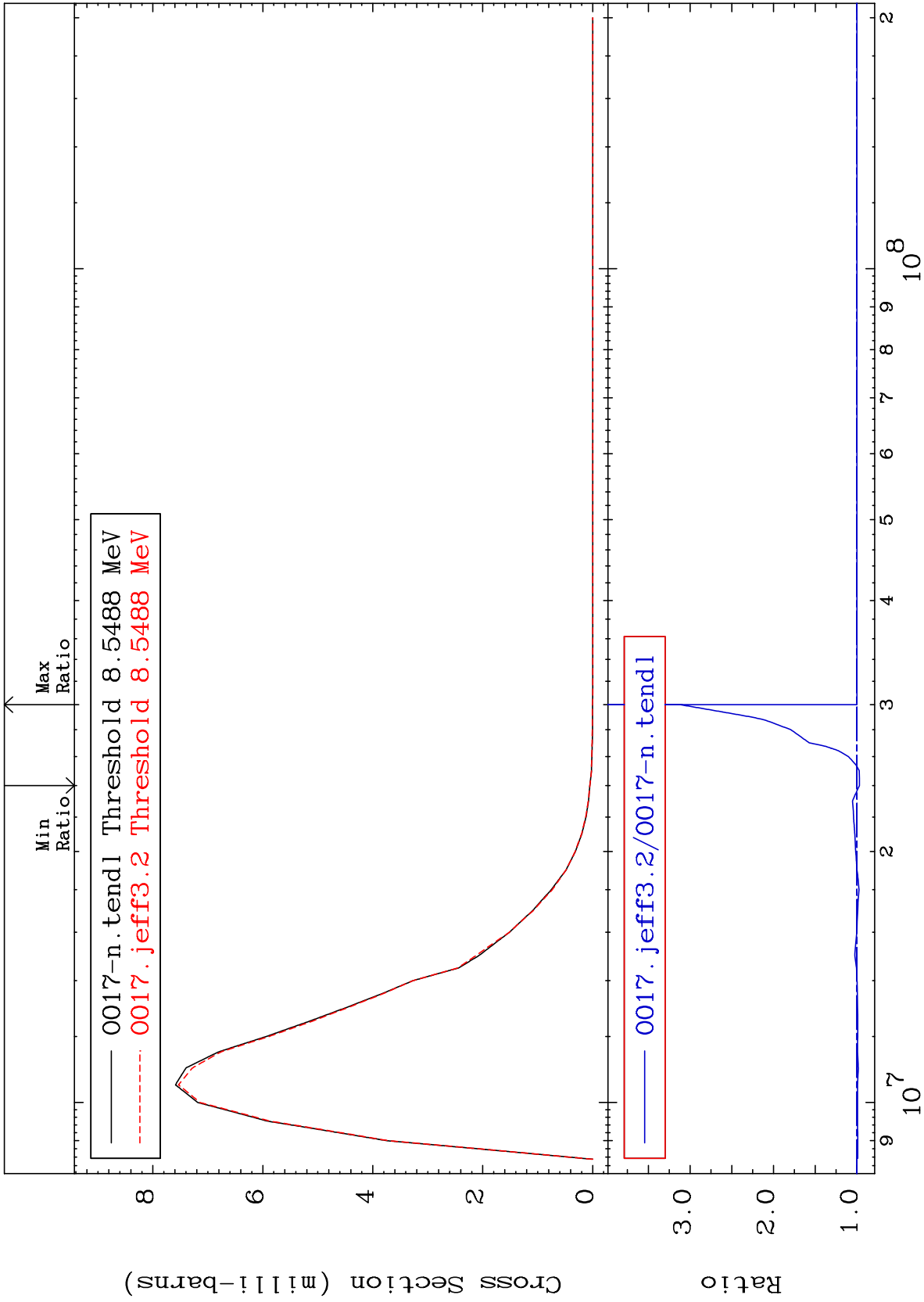
Incident Energy (eV)

8-0 -17

MAT 828

8.070 MeV (n,n') Level
Cross Section

8-0 -17
-2.929 To 211.6 %



43

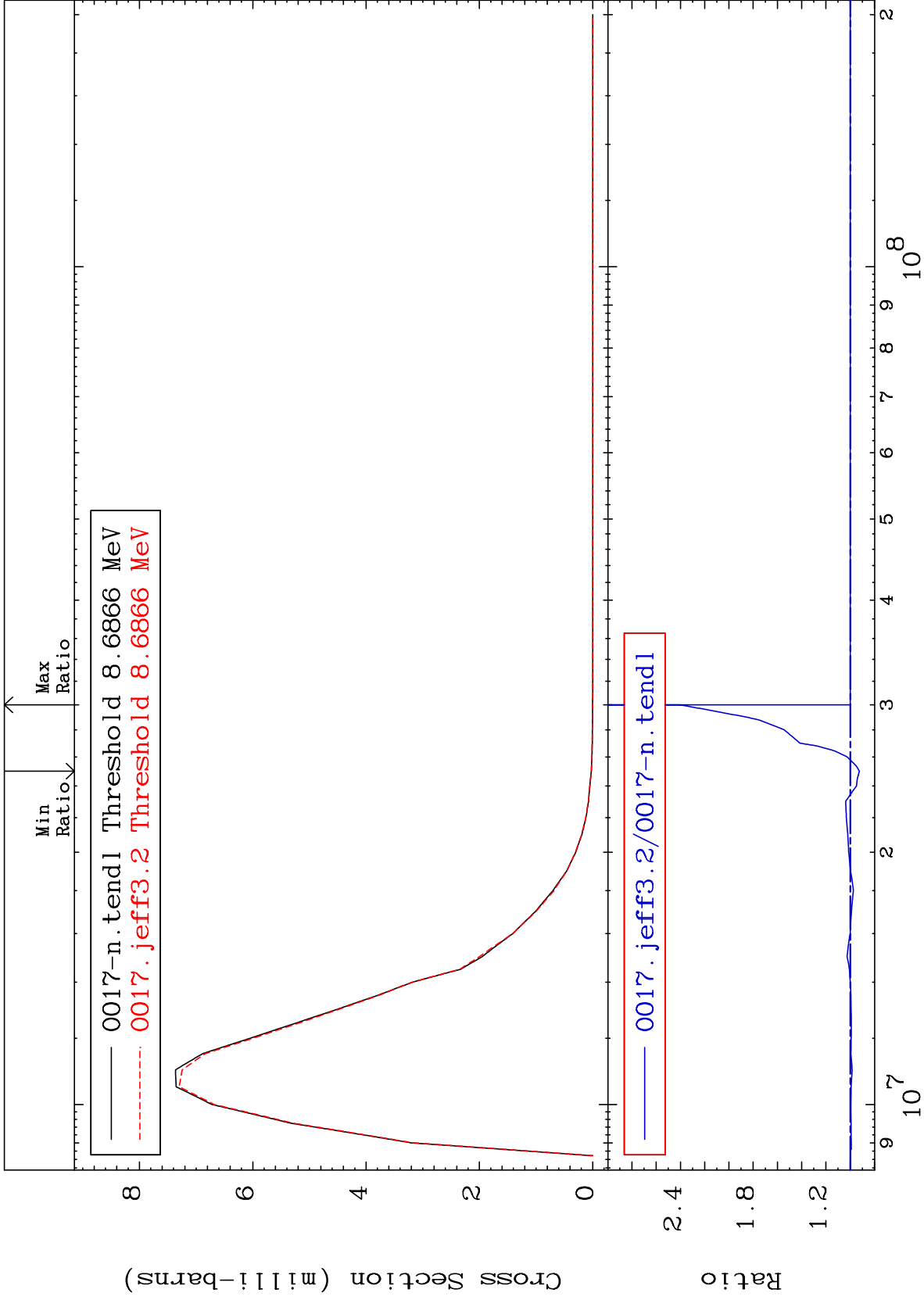
Incident Energy (eV)

8-0 -17

MAT 828

8.200 MeV (n,n') Level
Cross Section

8-0 -17
-7.638 To 140.1 %



44

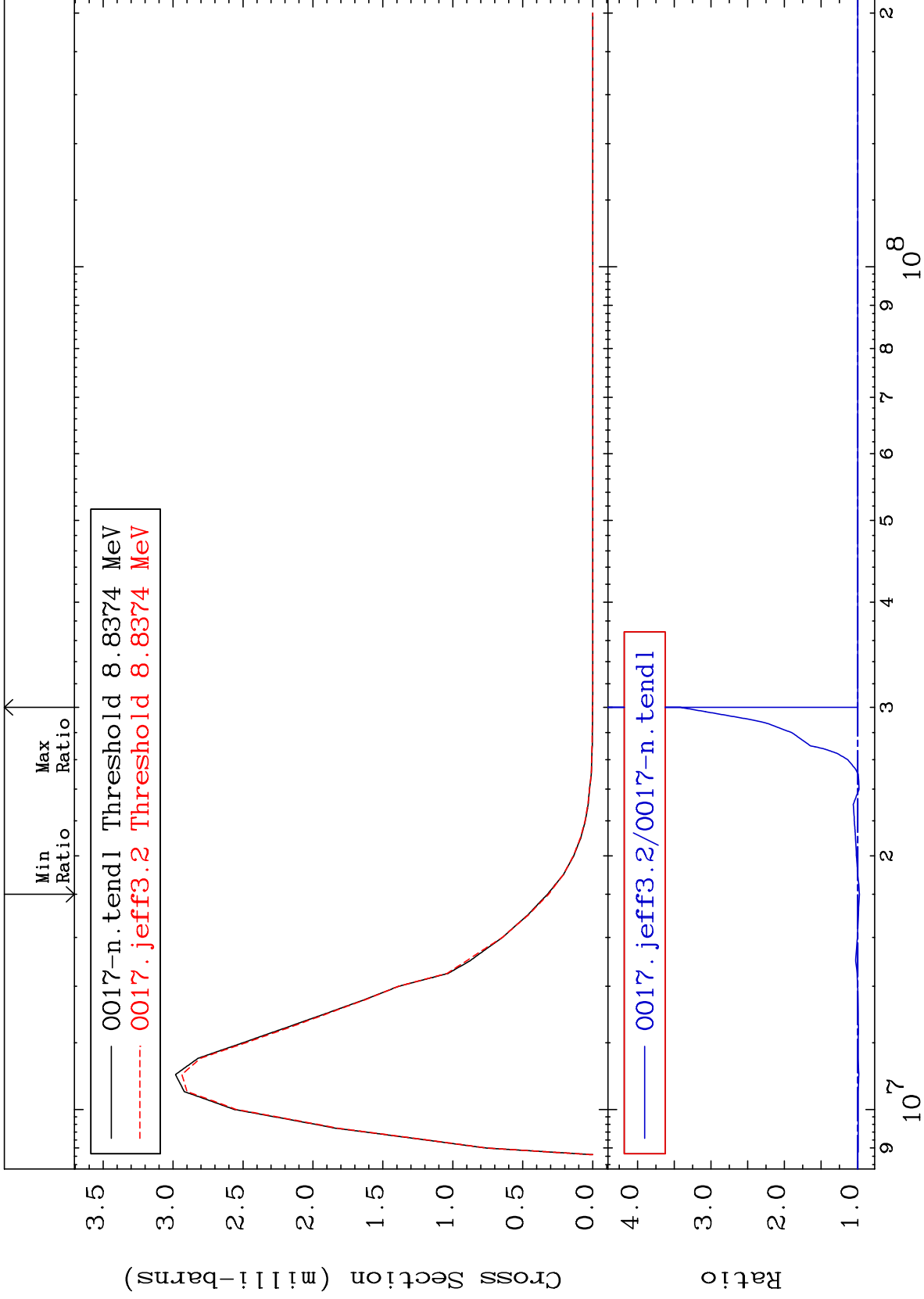
Incident Energy (eV)

8-0 -17

MAT 828

8.342 MeV (n,n') Level
Cross Section

8-0 -17
-2.406 To 241.7 %



45

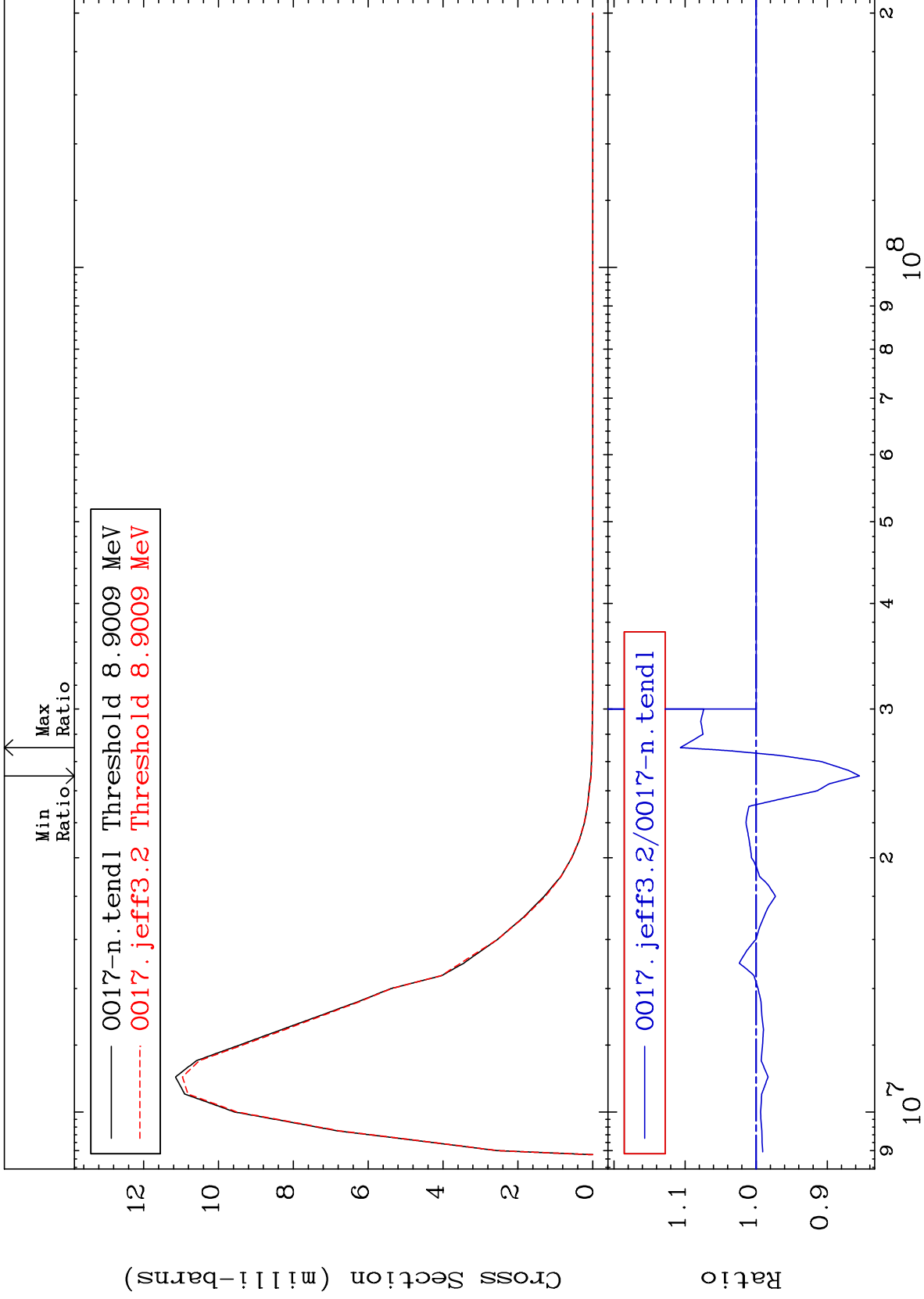
Incident Energy (eV)

8-0 -17

MAT 828

8.402 MeV (n,n') Level
Cross Section

8-0 -17
-14.52 To 10.66 %



46

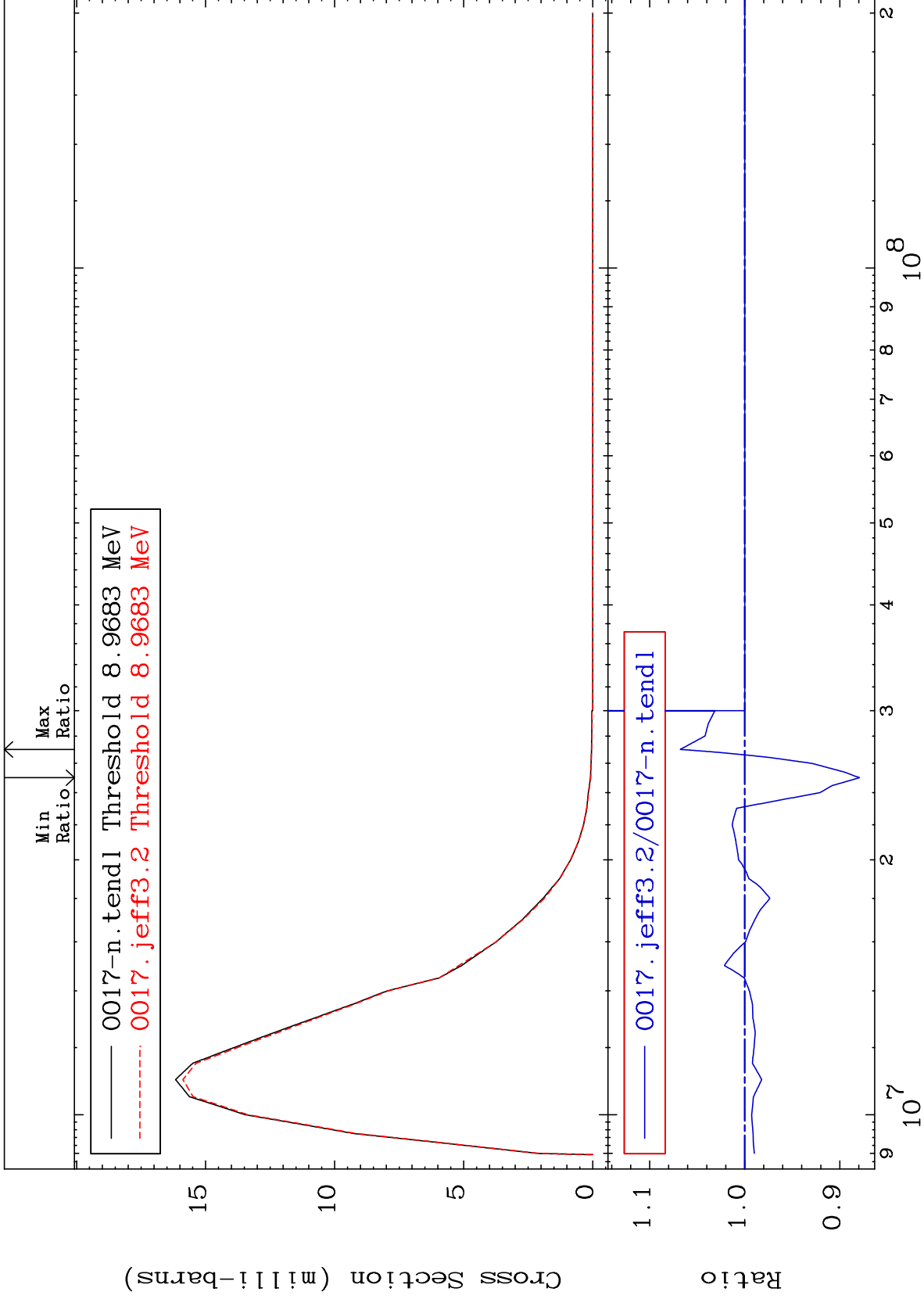
Incident Energy (eV)

8-0 -17

MAT 828

8.466 MeV (n,n') Level
Cross Section

8-0 -17
-12.07 To 6.770 %



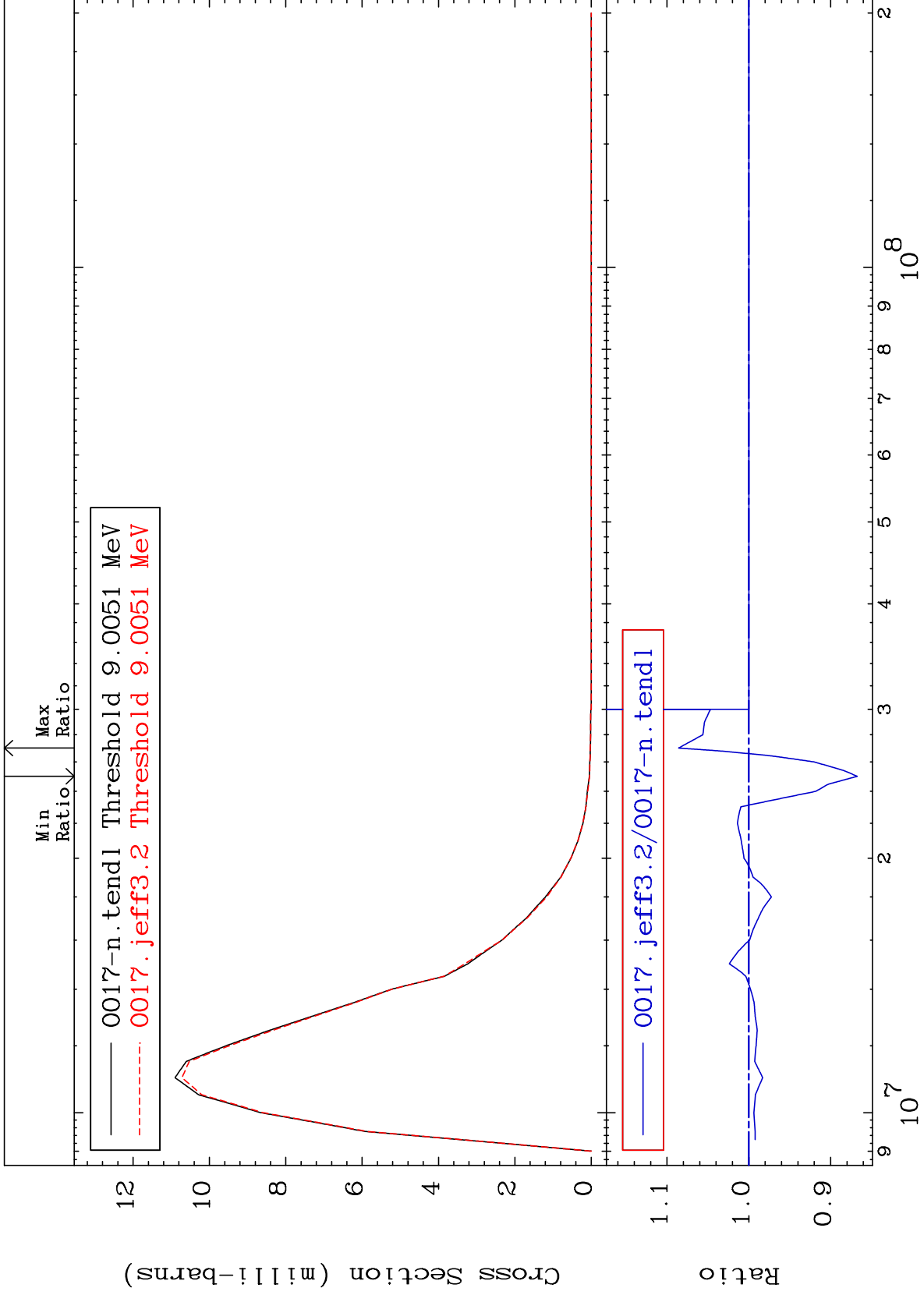
47

8-0 -17

MAT 828

8.501 MeV (n,n') Level
Cross Section

8-0 -17
-13.26 To 8.580 %



48

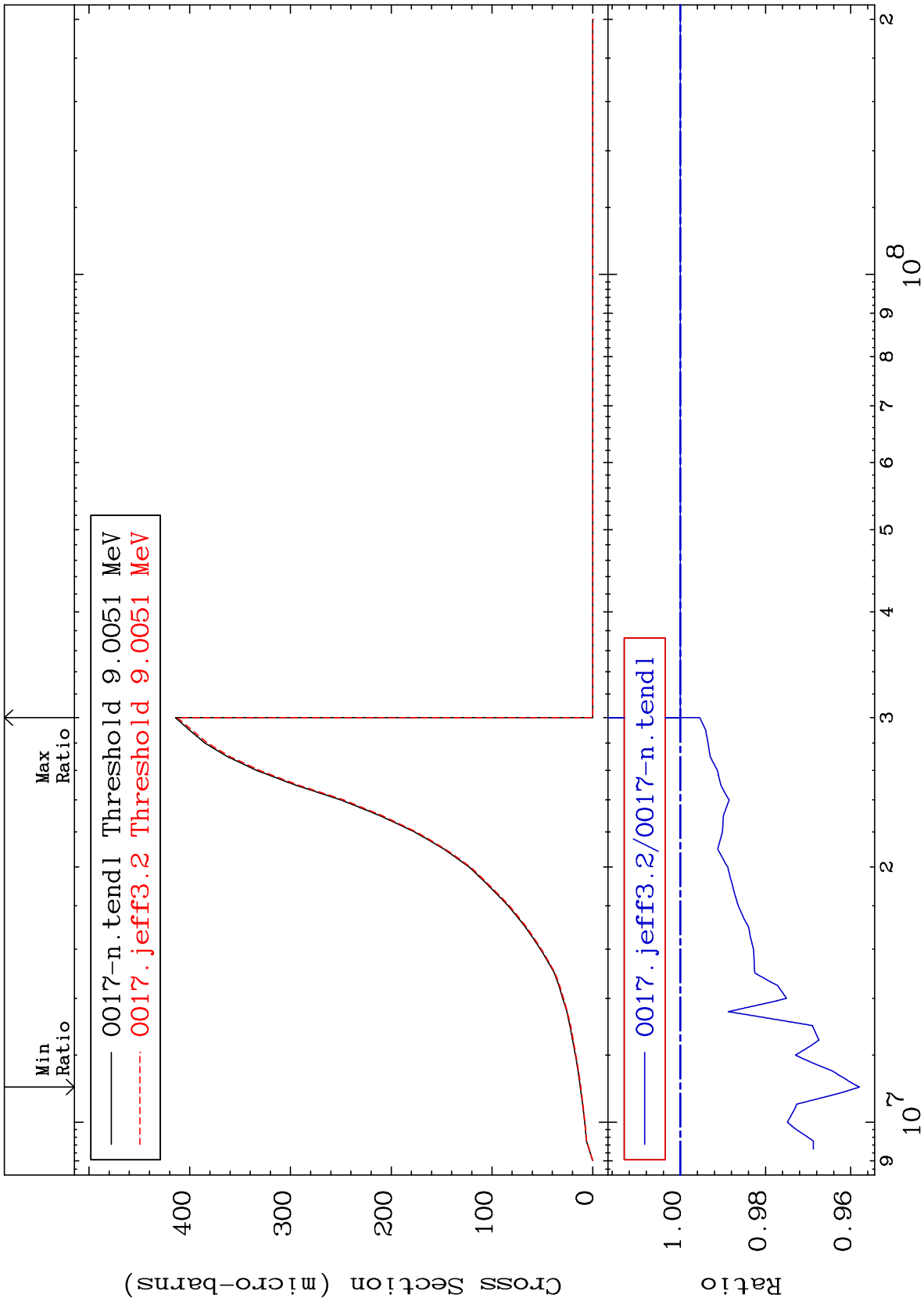
Incident Energy (eV)

8-0 -17

MAT 828

(n, n') Continuum
Cross Section

8-0 -17
-4.204 To 0.000 %



49

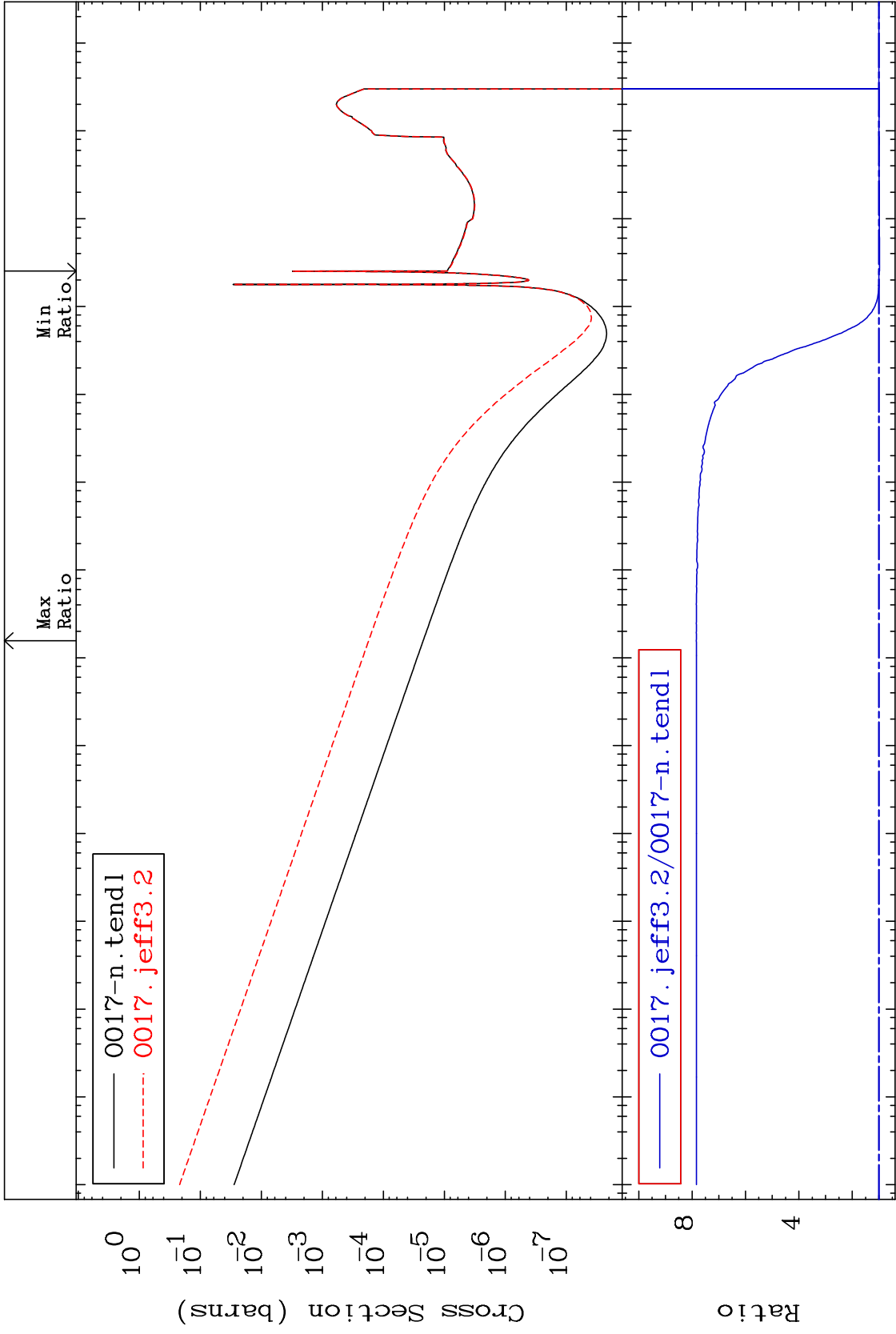
Incident Energy (eV)

8-0 -17

MAT 828

(n, γ)
Cross Section

8-0 -17
-2.213 To 684.5 %



50

8-0 -17

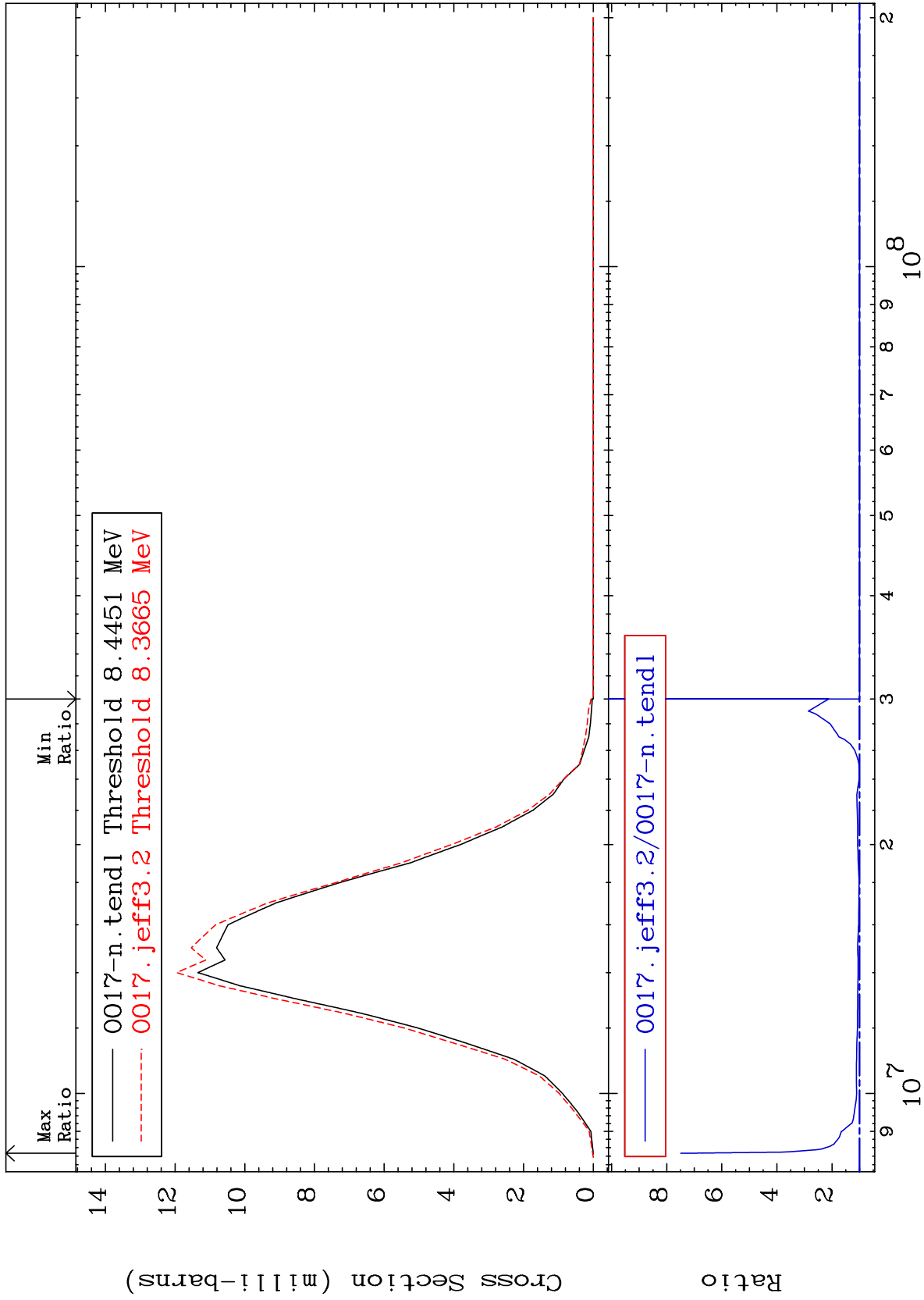
MAT 828

(n,p)

8-0 -17

Cross Section

0.000 To 649.0 %



51

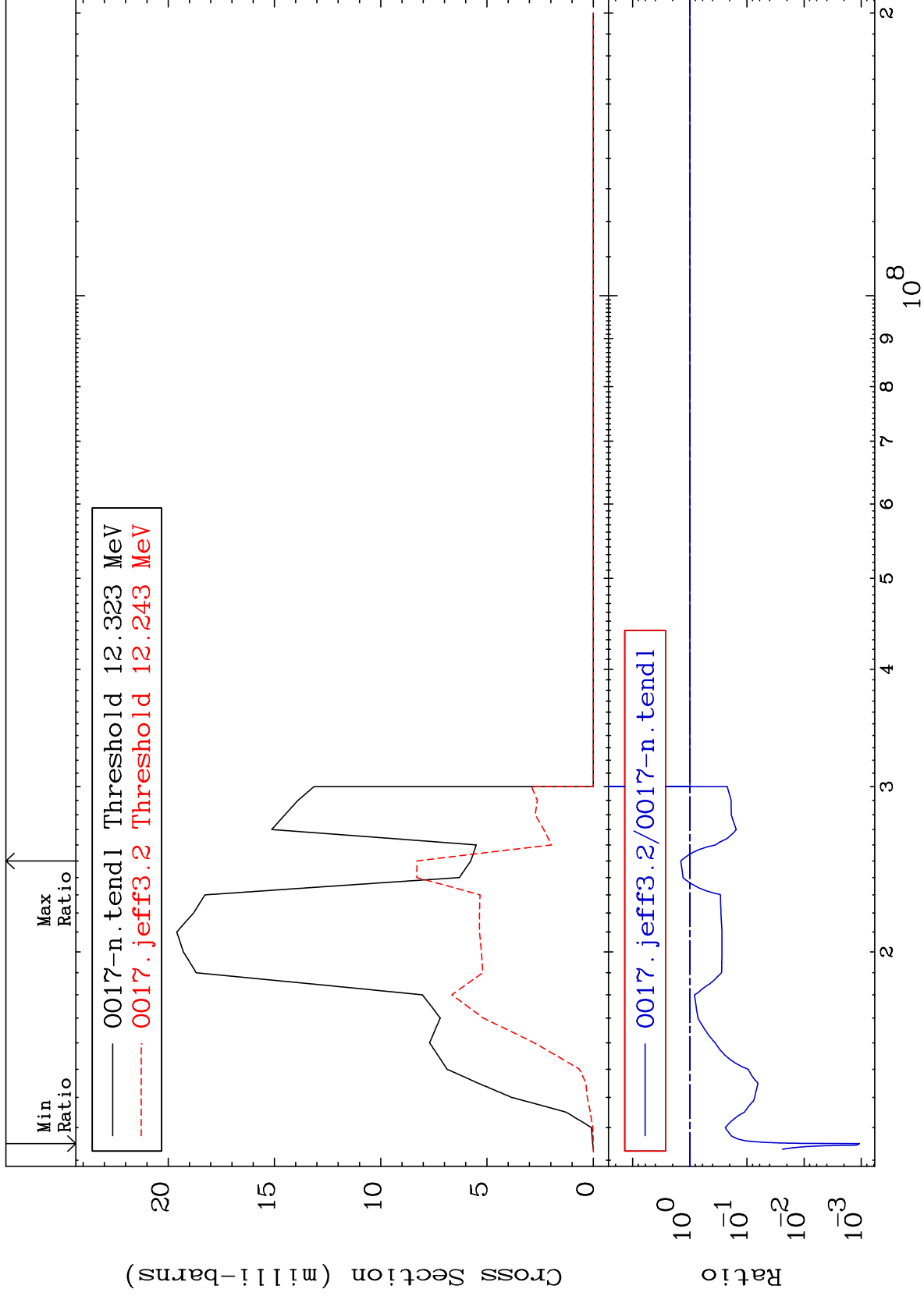
Incident Energy (eV)

8-0 -17

MAT 828

(n, d)
Cross Section

8-0 -17
-99.89 To 43.92 %



52

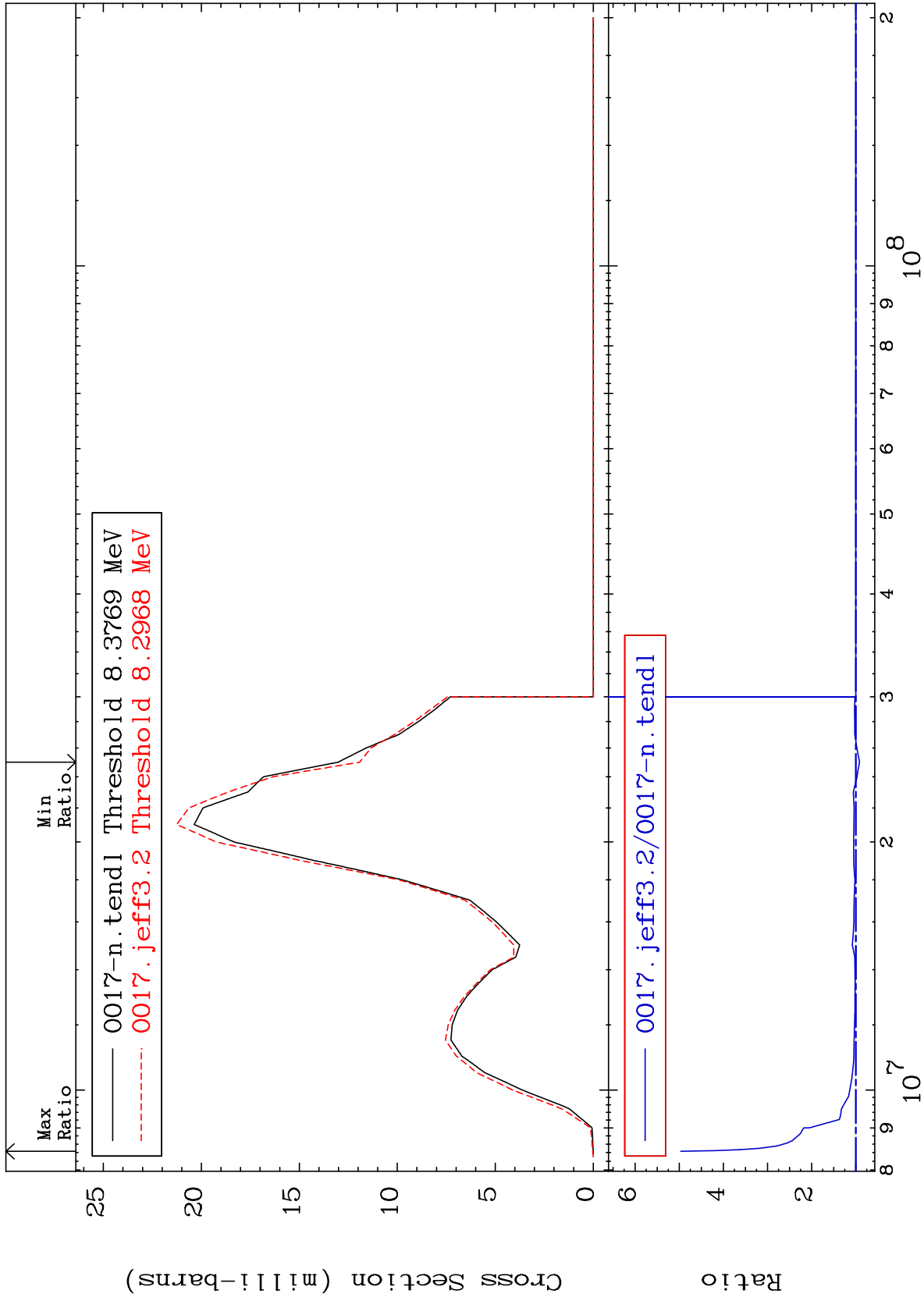
Incident Energy (eV)

8-0 -17

MAT 828

(n, t)
Cross Section

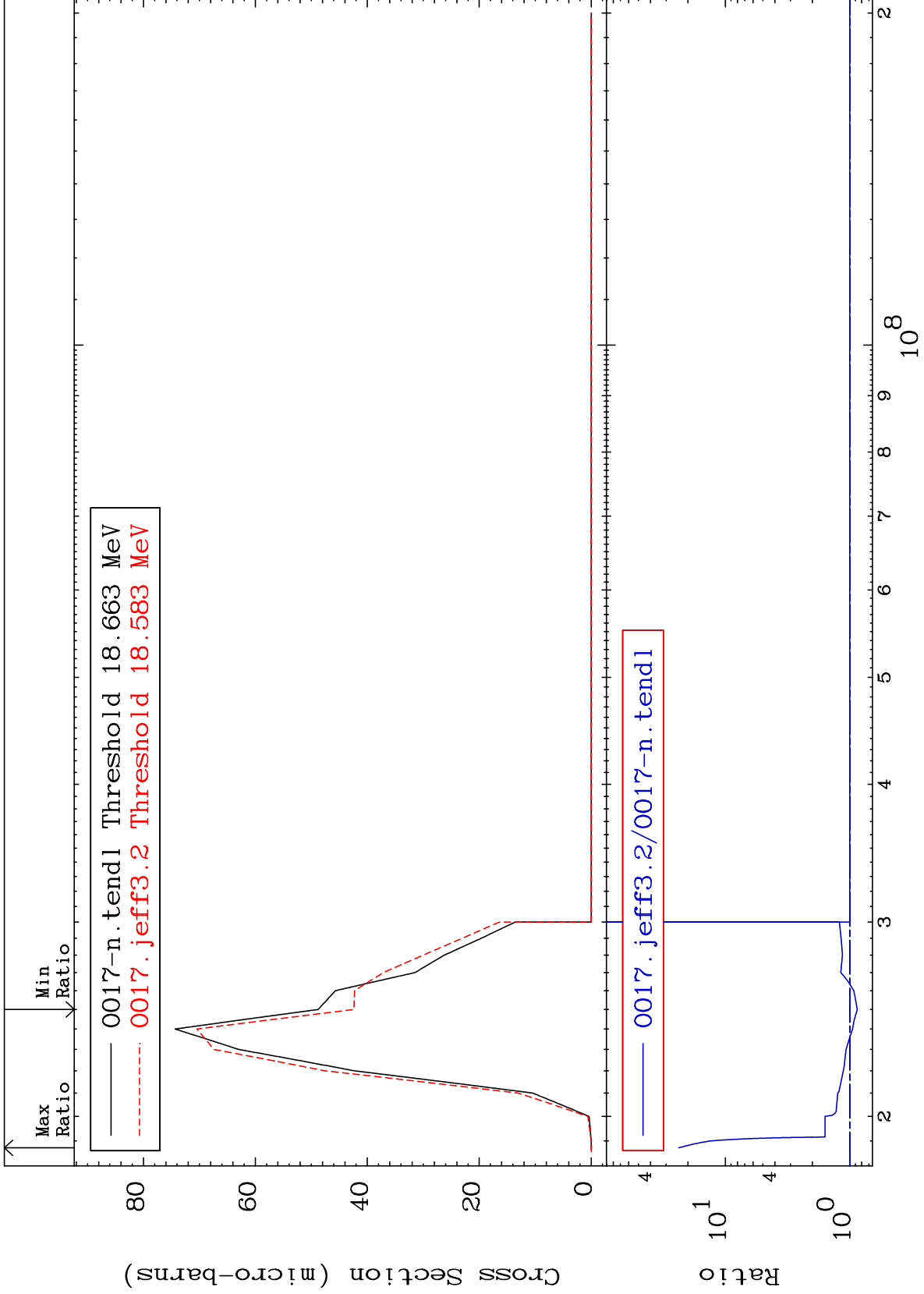
8-0 -17
-8.456 To 396.6 %



53

Incident Energy (eV)

8-0 -17



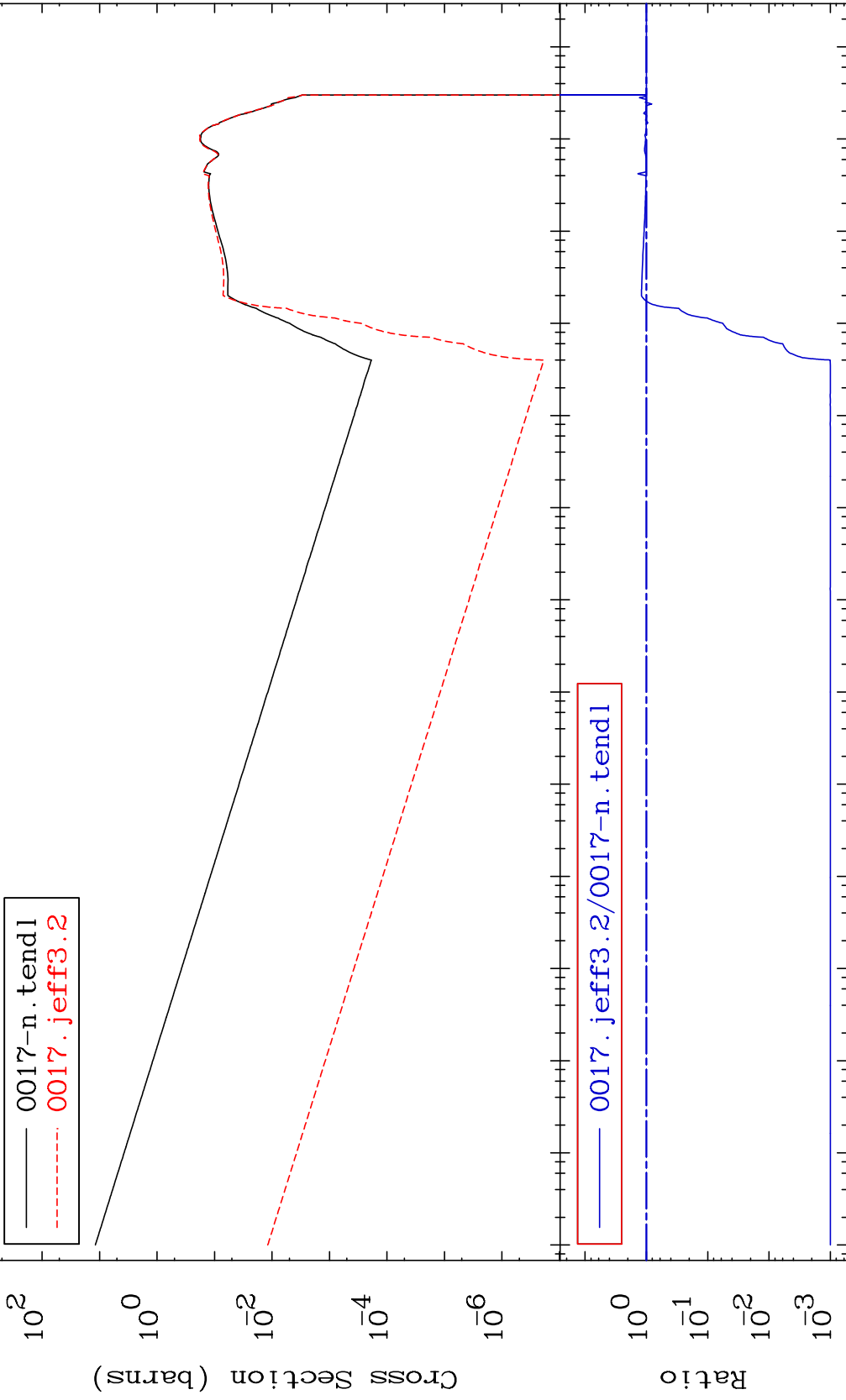
MAT 828

(n, α)

Cross Section

-99.90 To 37.24 %

8-0 -17



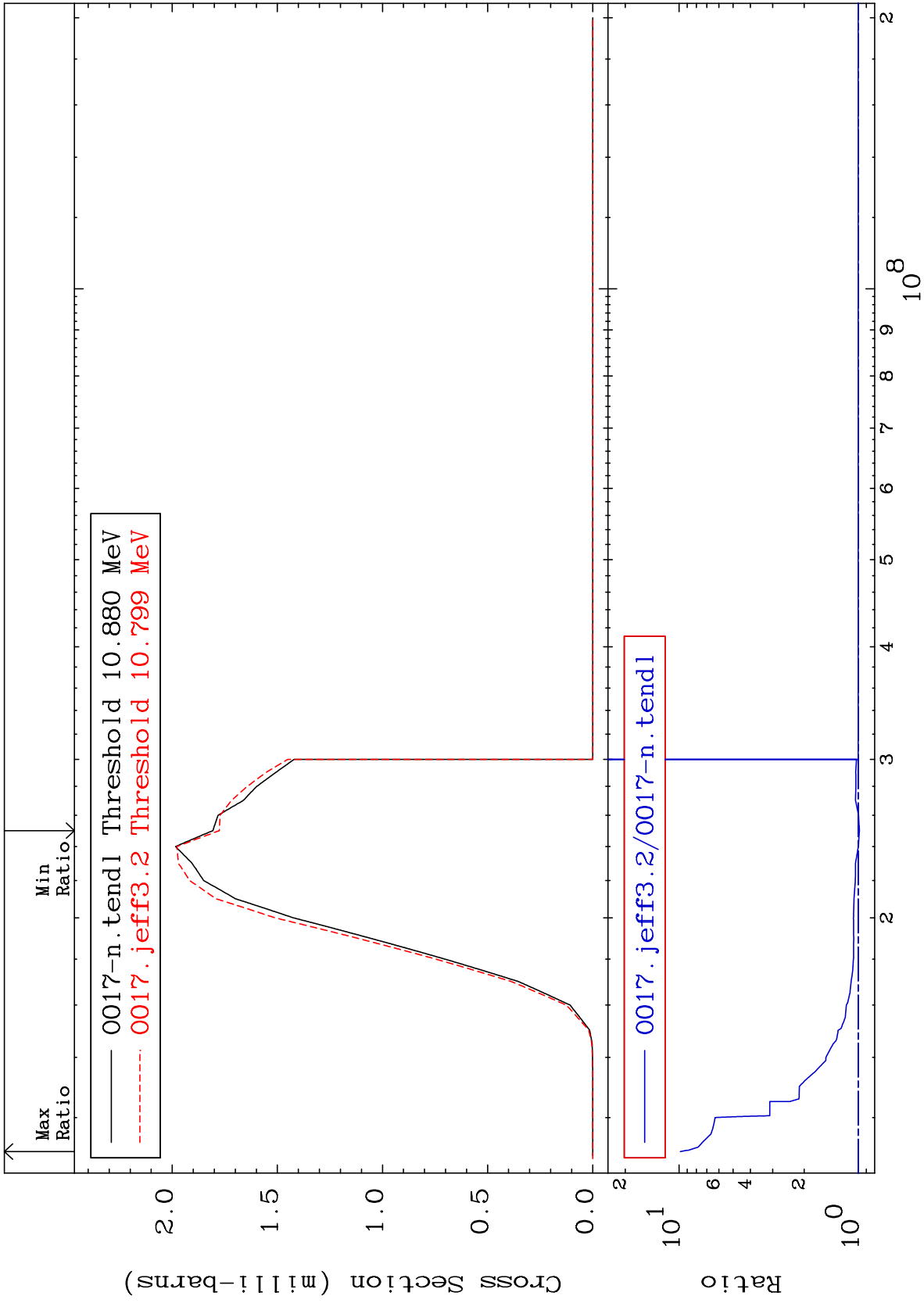
— 0017-n.tendl
- - - 0017.jeff3.2

— 0017.jeff3.2/0017-n.tendl

Incident Energy (eV)

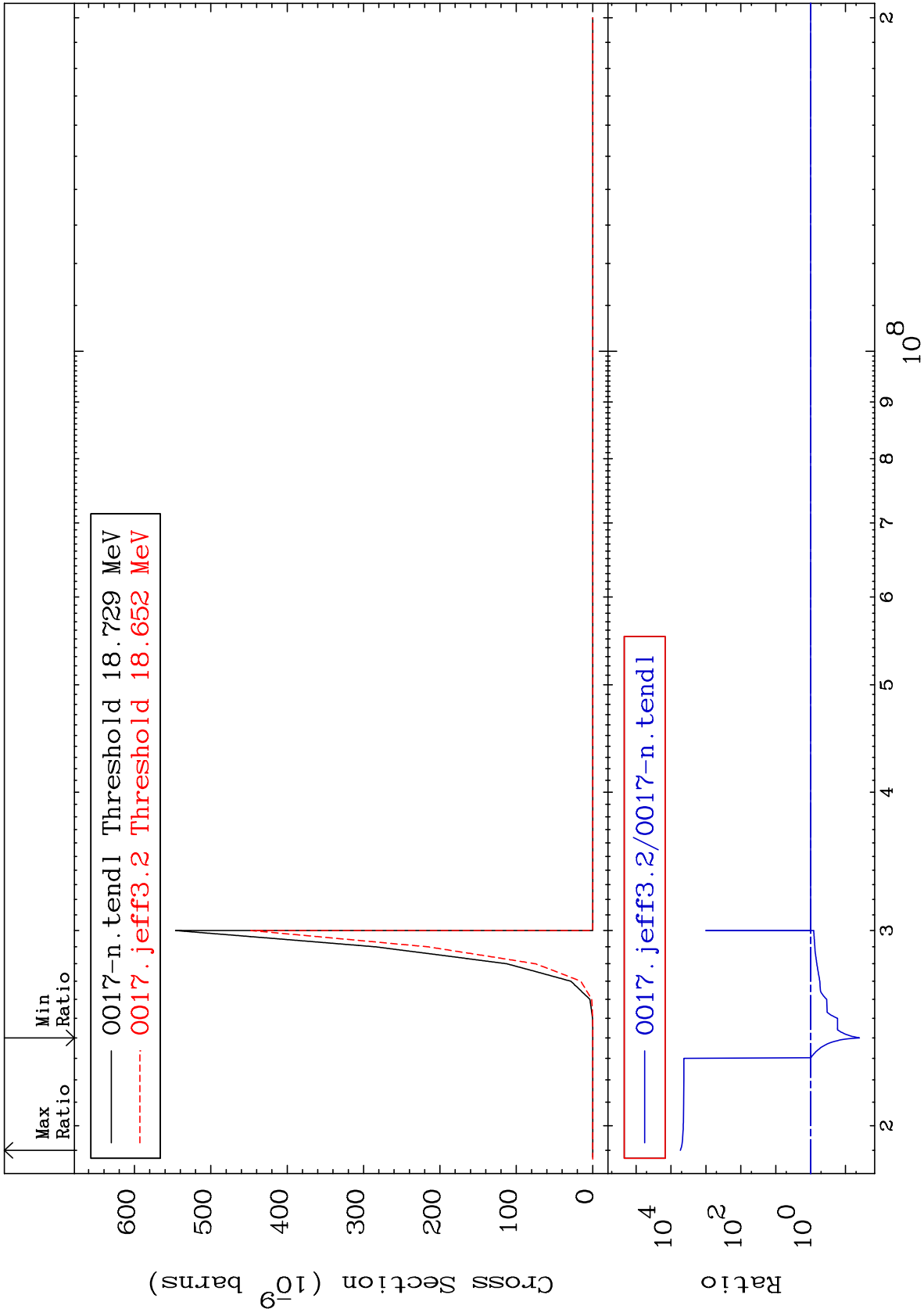
8-0 -17

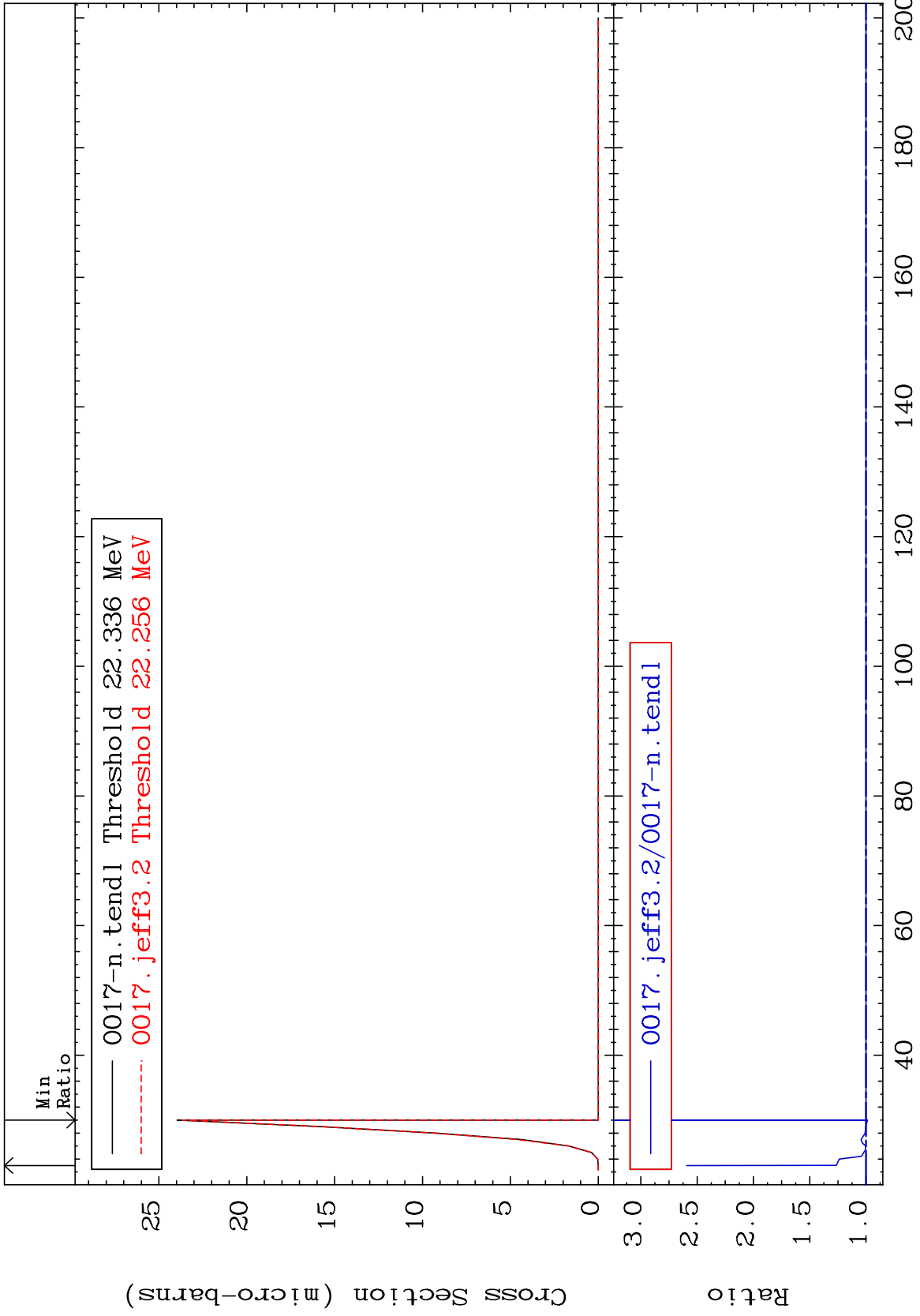
55



Cross Section

-96.00 To 9999. %

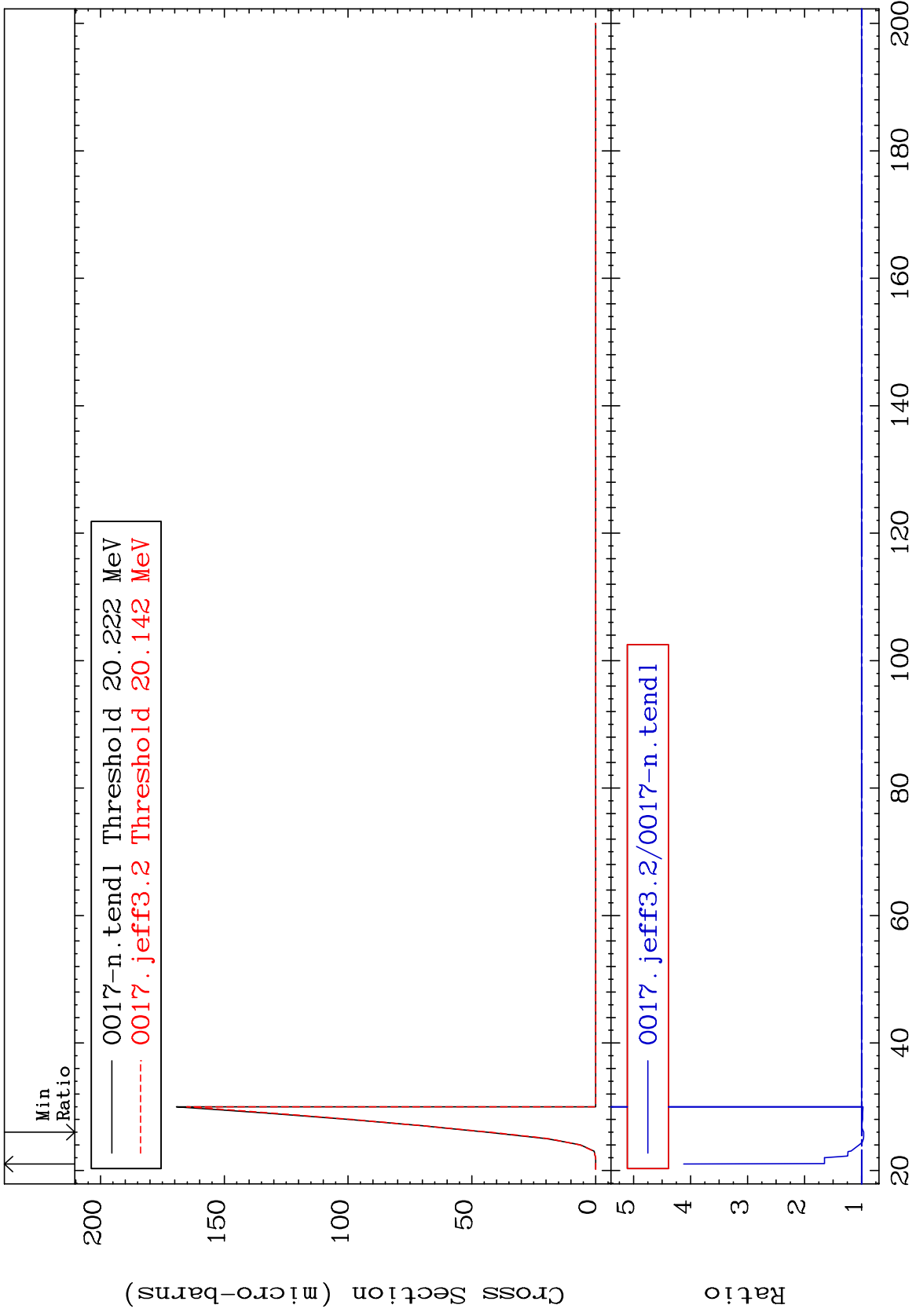




MAT 828

(n,p) α
Cross Section

8-0 -17
-3.509 To 312.2 %



59

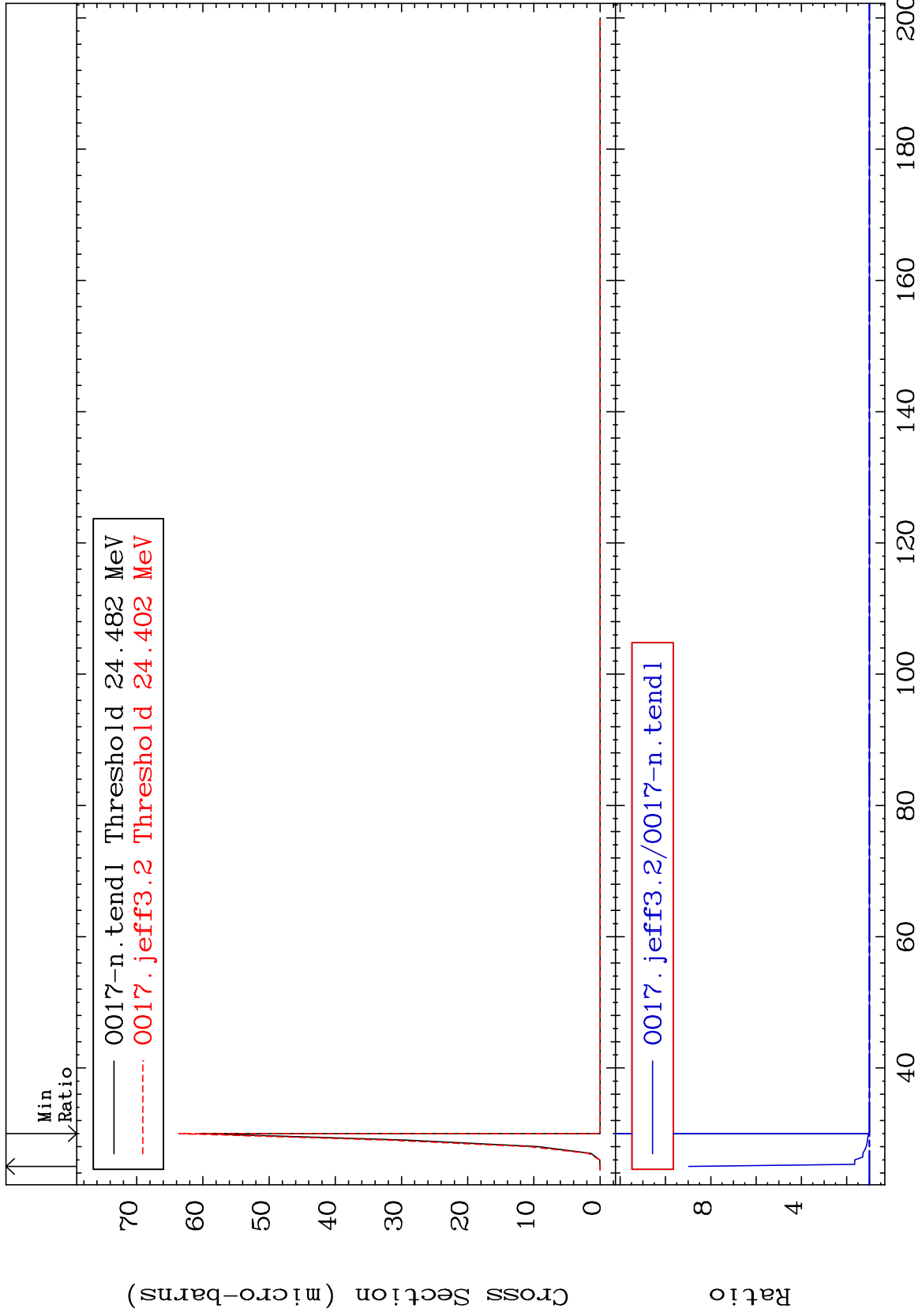
Incident Energy (MeV)

8-0 -17

MAT 828

(n,p) d
Cross Section

0.000 To 798.0 %
8-0 -17



Incident Energy (MeV)

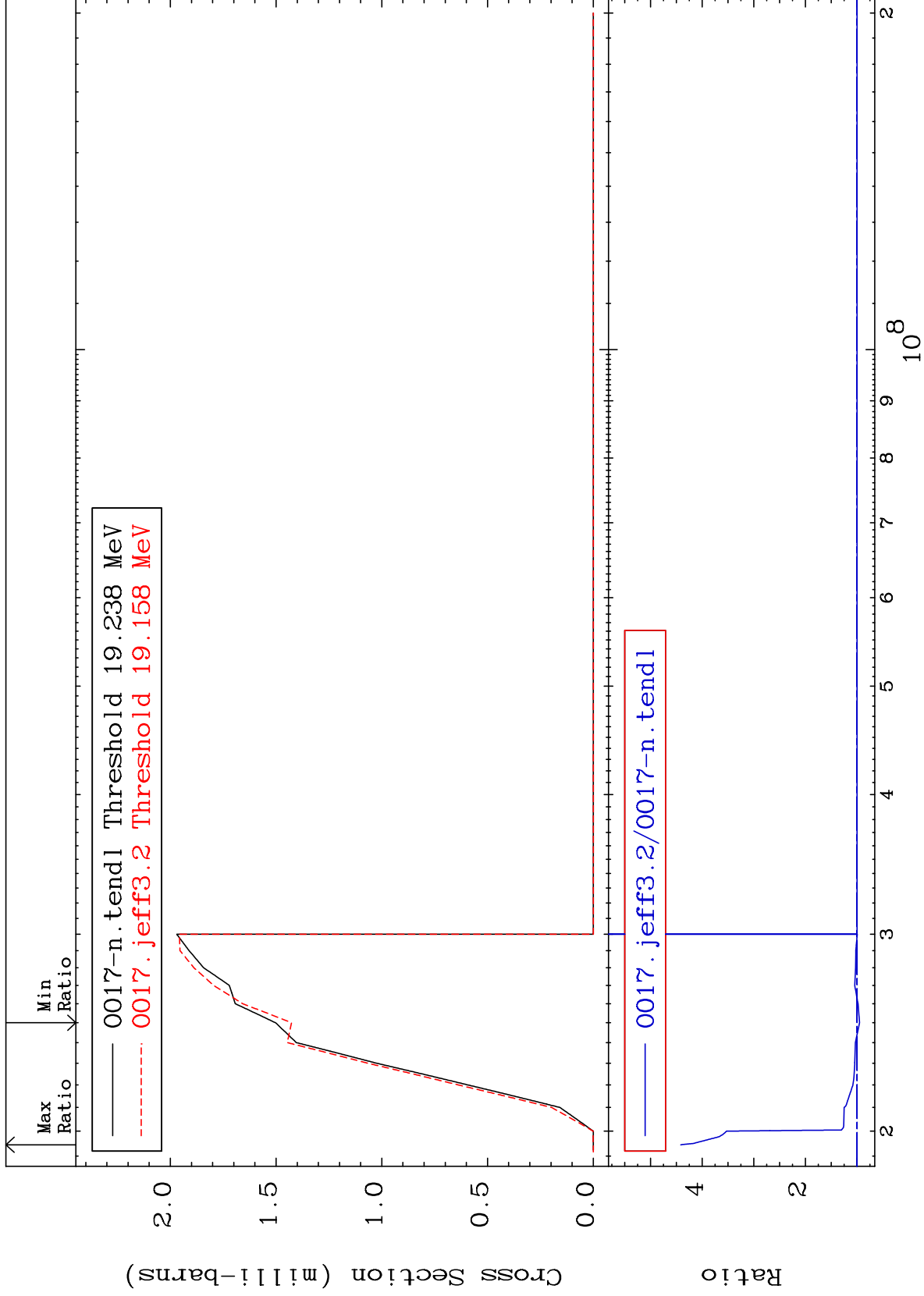
8-0 -17

60

MAT 828

(n,p) t
Cross Section

8-0 -17
-5.037 To 341.3 %



61

Incident Energy (eV)

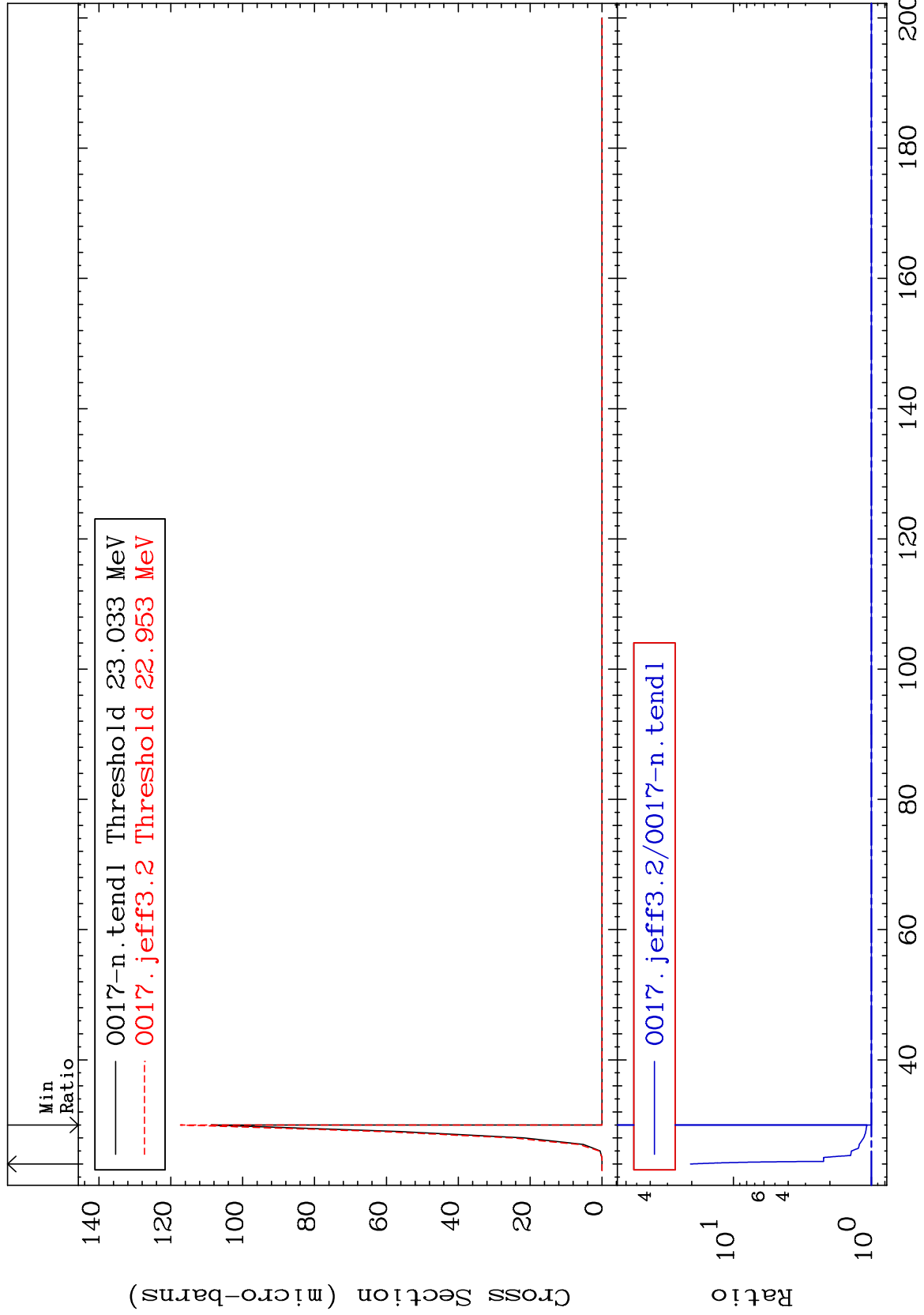
8-0 -17

MAT 828

(n,d) α
Cross Section

8-0 -17

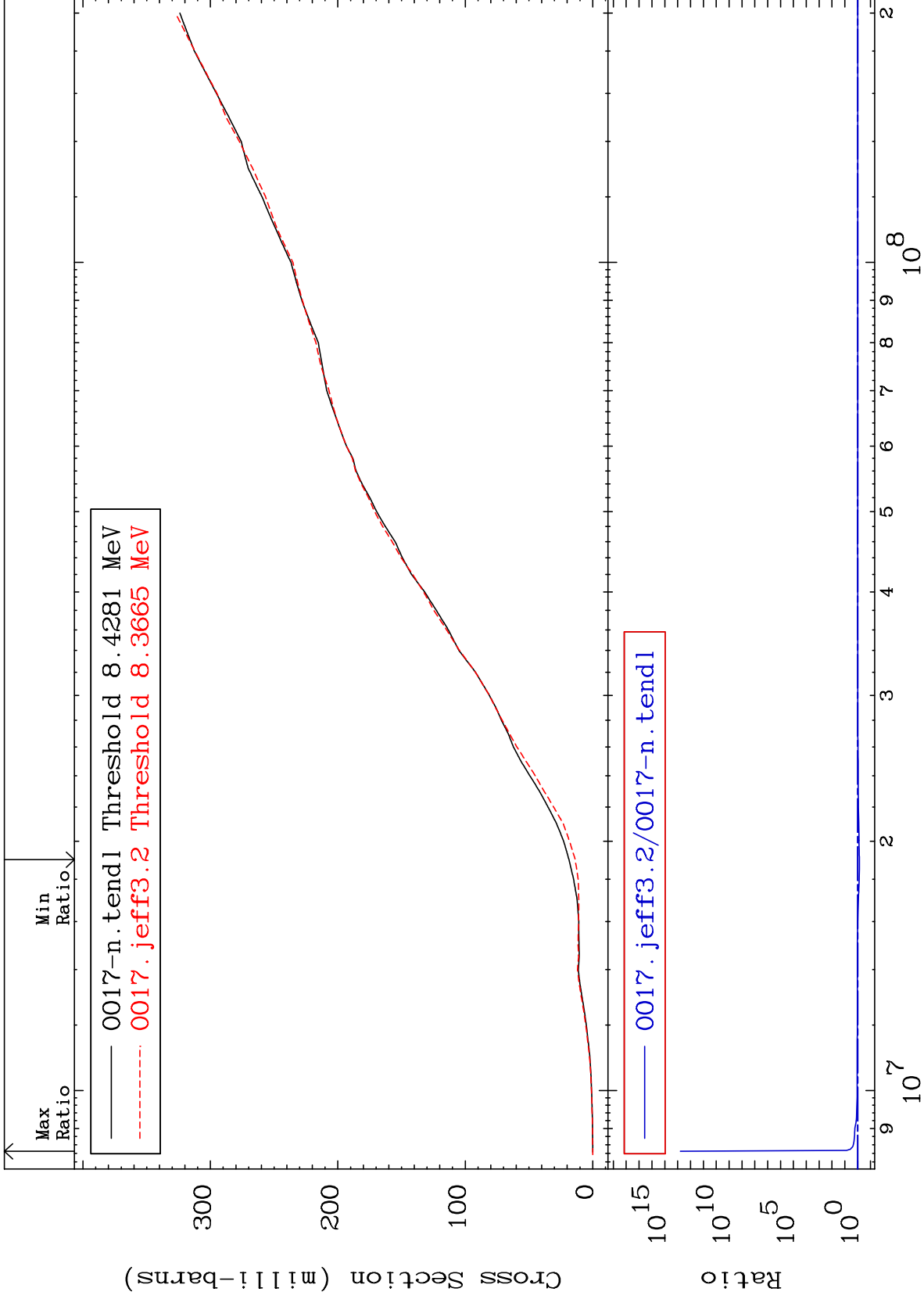
0.000 To 1943. %

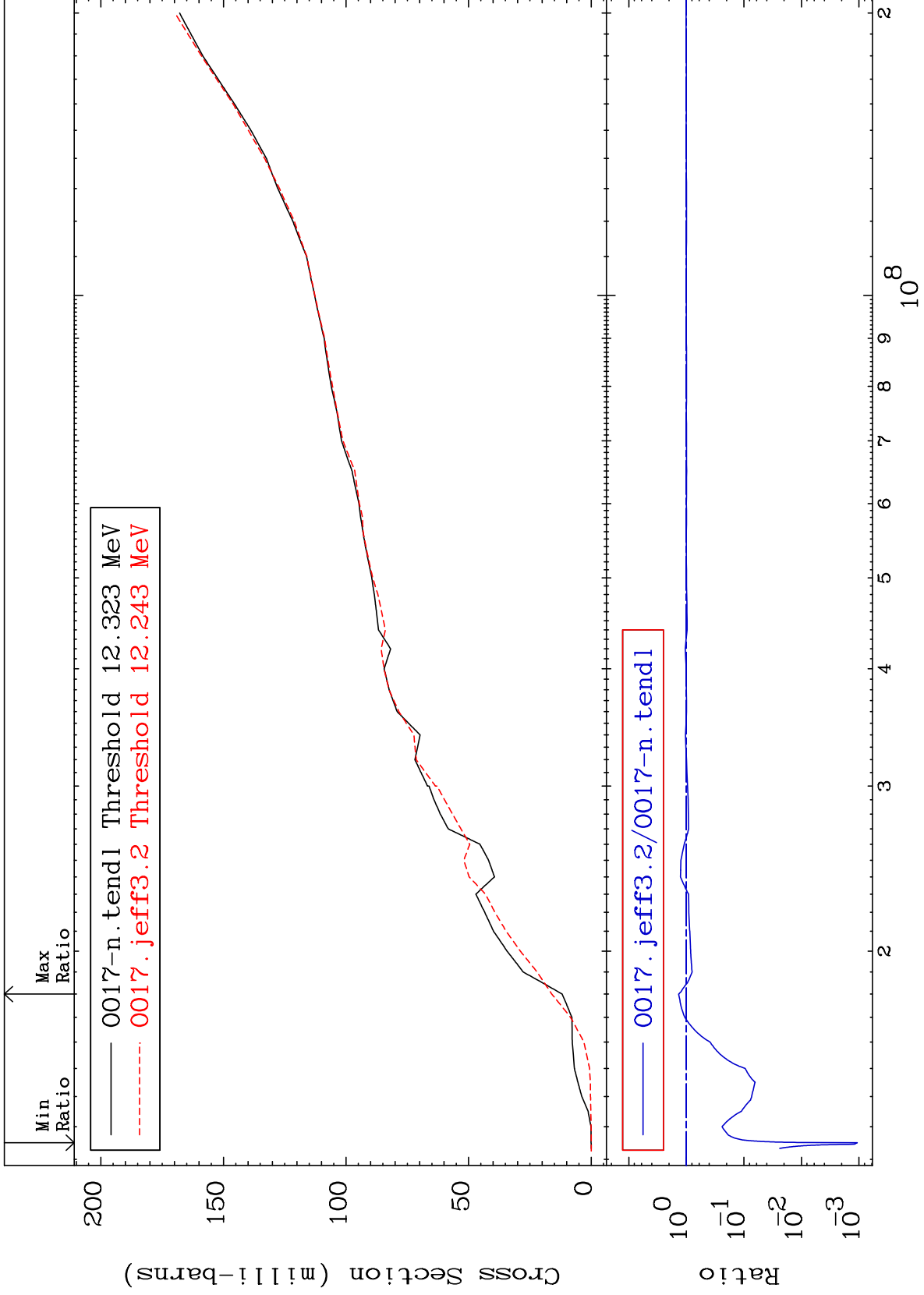


62

Incident Energy (MeV)

8-0 -17

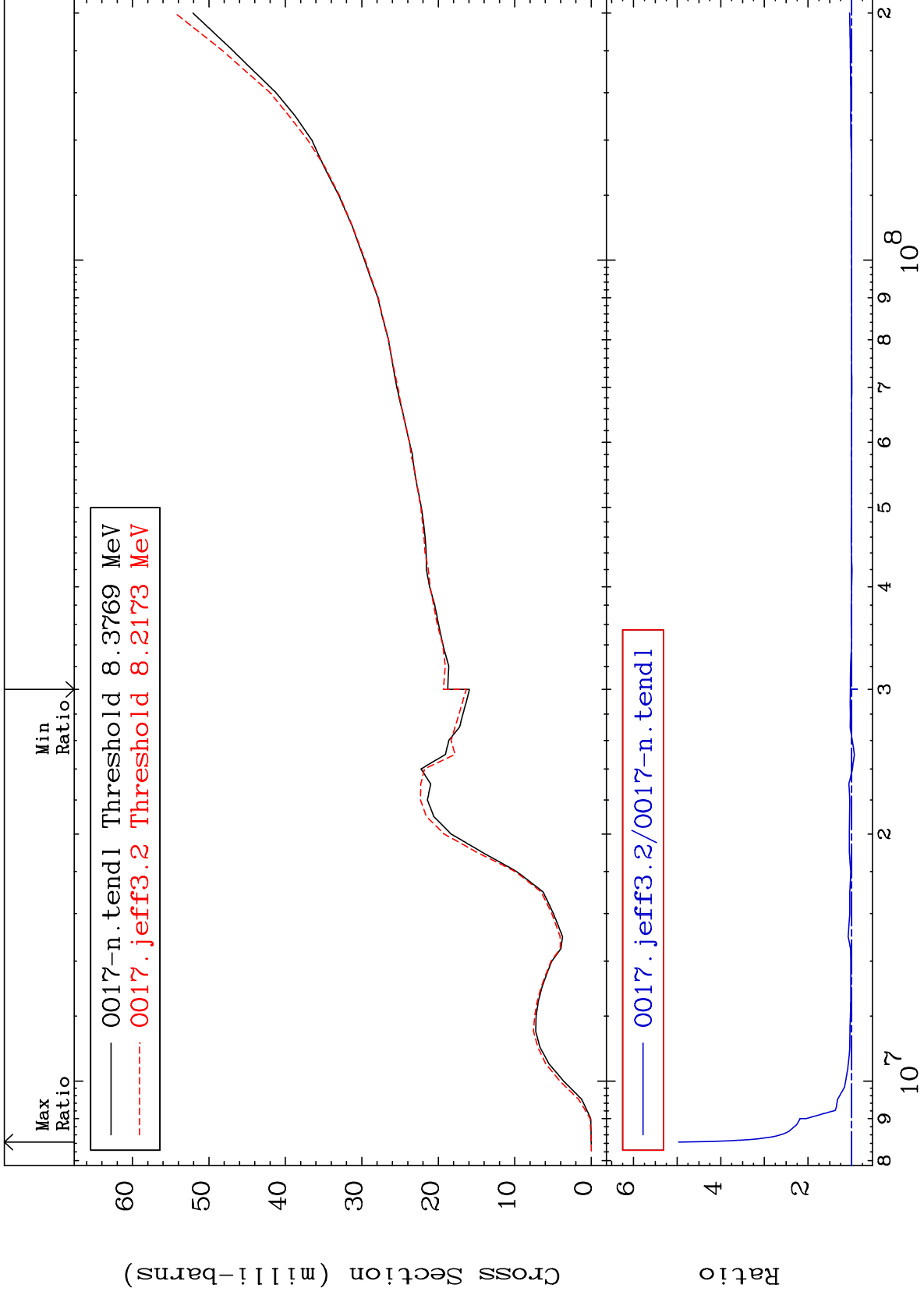




MAT 828

Tritium Production
Cross Section

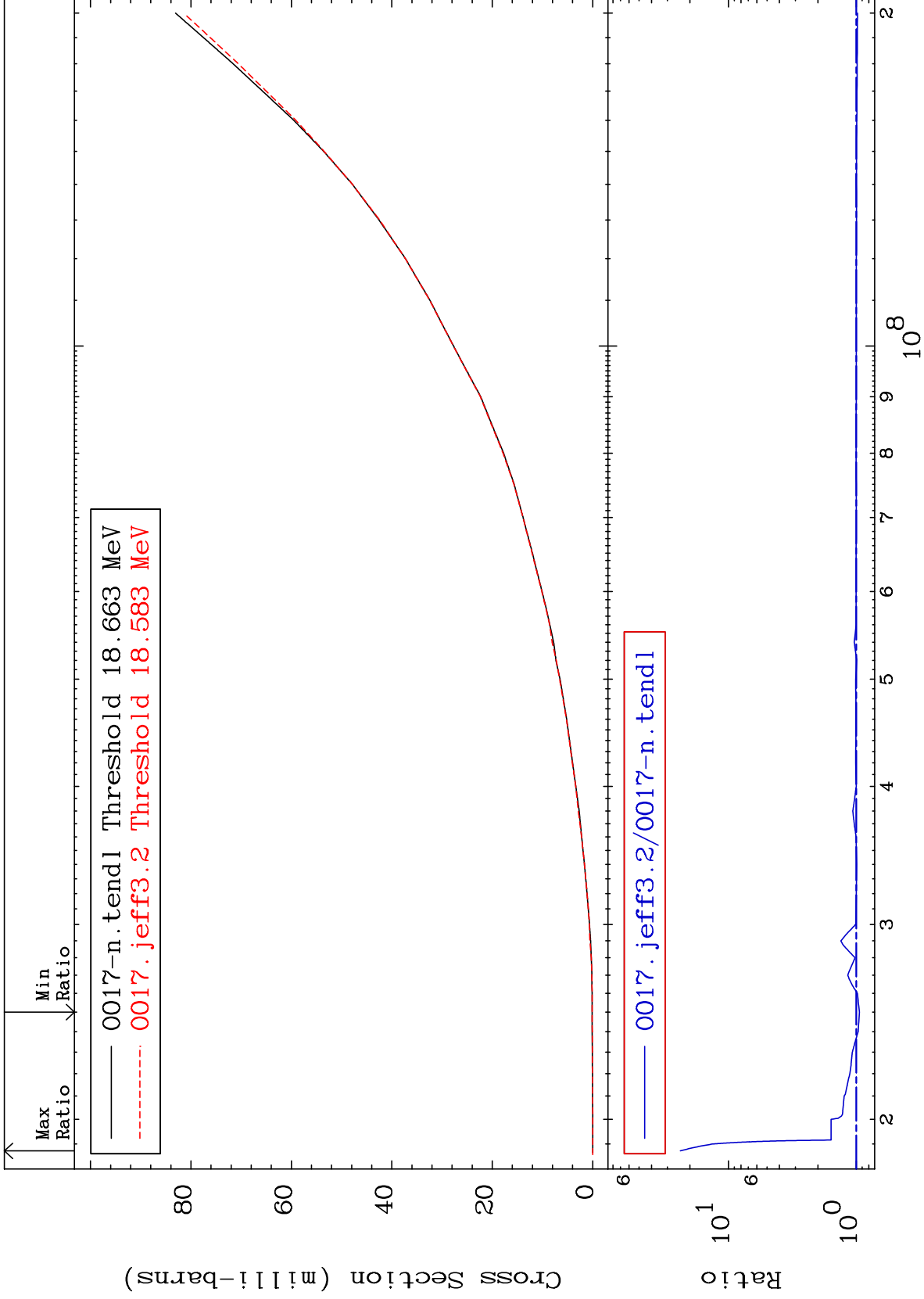
8-0 -17
-12.99 To 396.6 %



65

Incident Energy (eV)

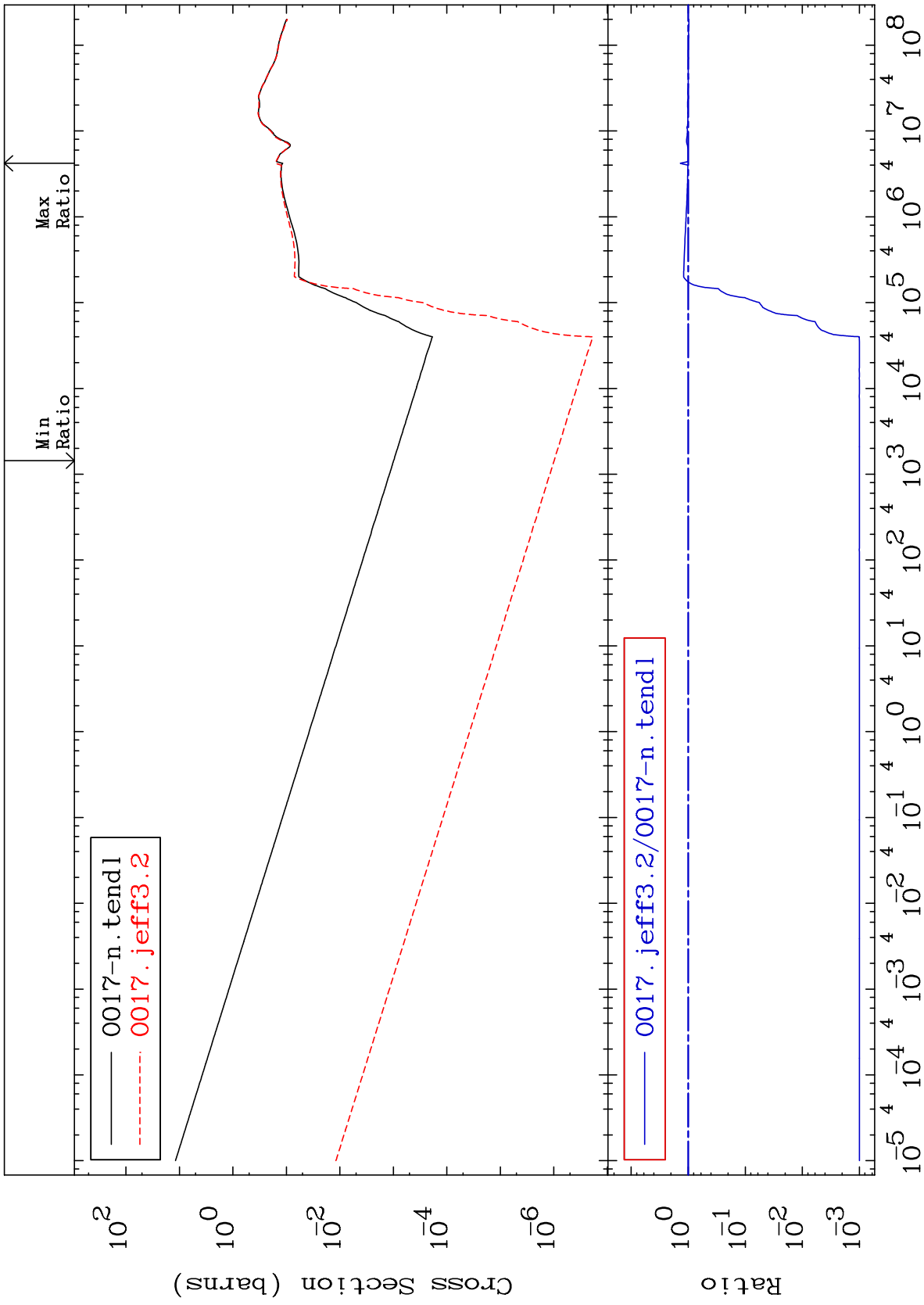
8-0 -17



MAT 828

He-4 Production Cross Section

8-0 -17
-99.90 To 37.24 %



67

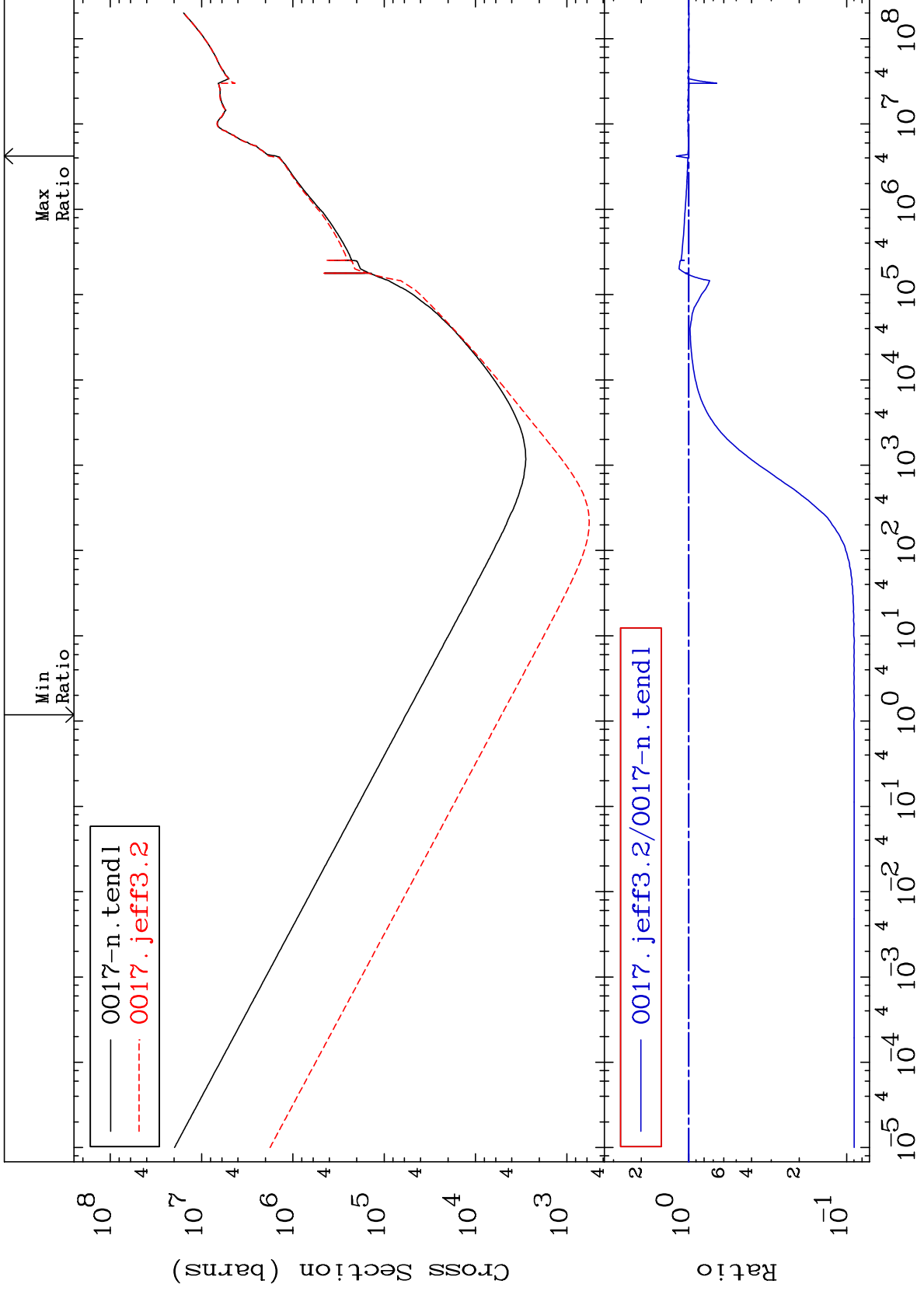
Incident Energy (eV)

8-0 -17

MAT 828

Kerma total (eV-barns)
Cross Section

8-0 -17
-91.06 To 19.83 %



68

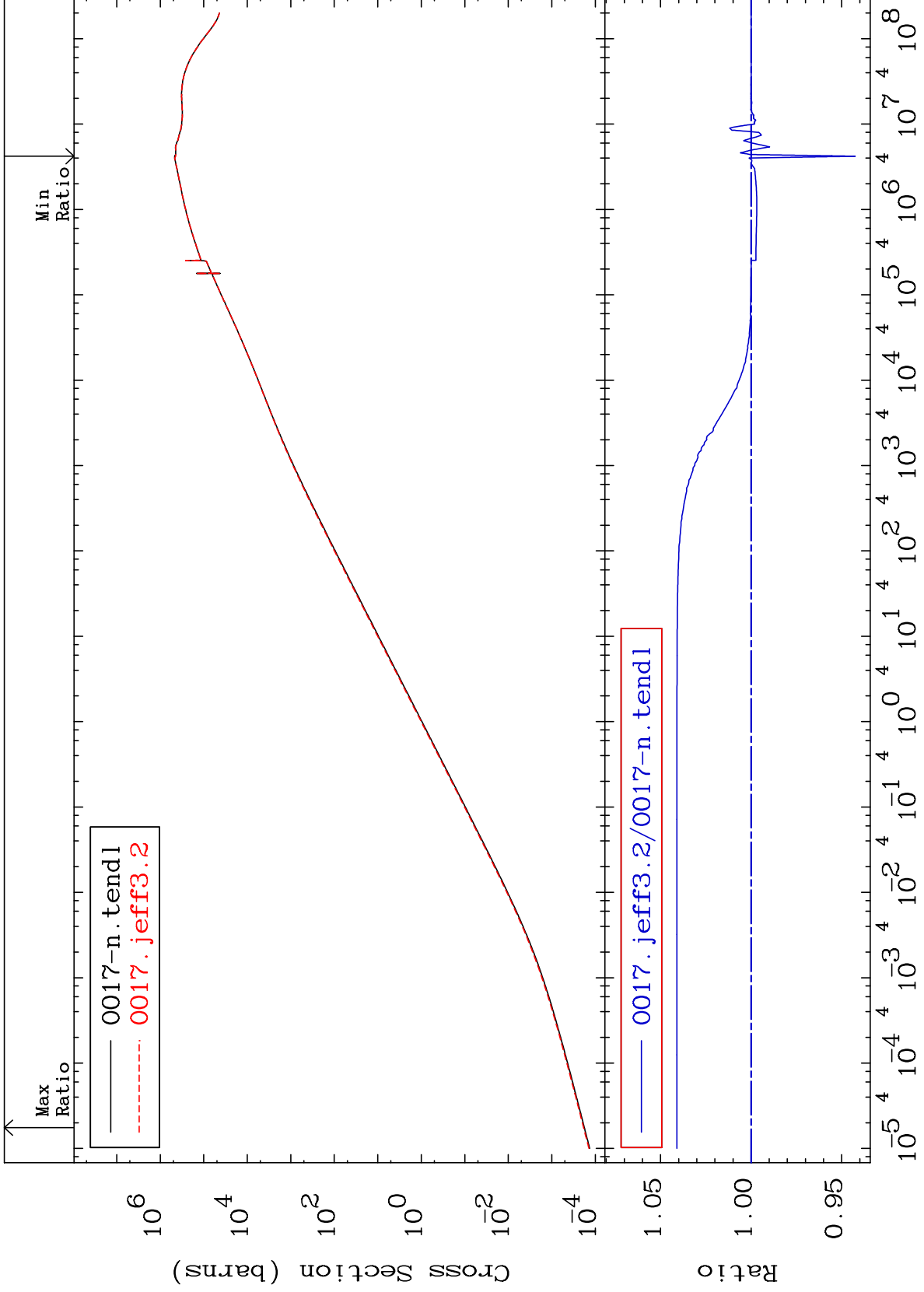
Incident Energy (eV)

8-0 -17

MAT 828

Kerma elastic
Cross Section

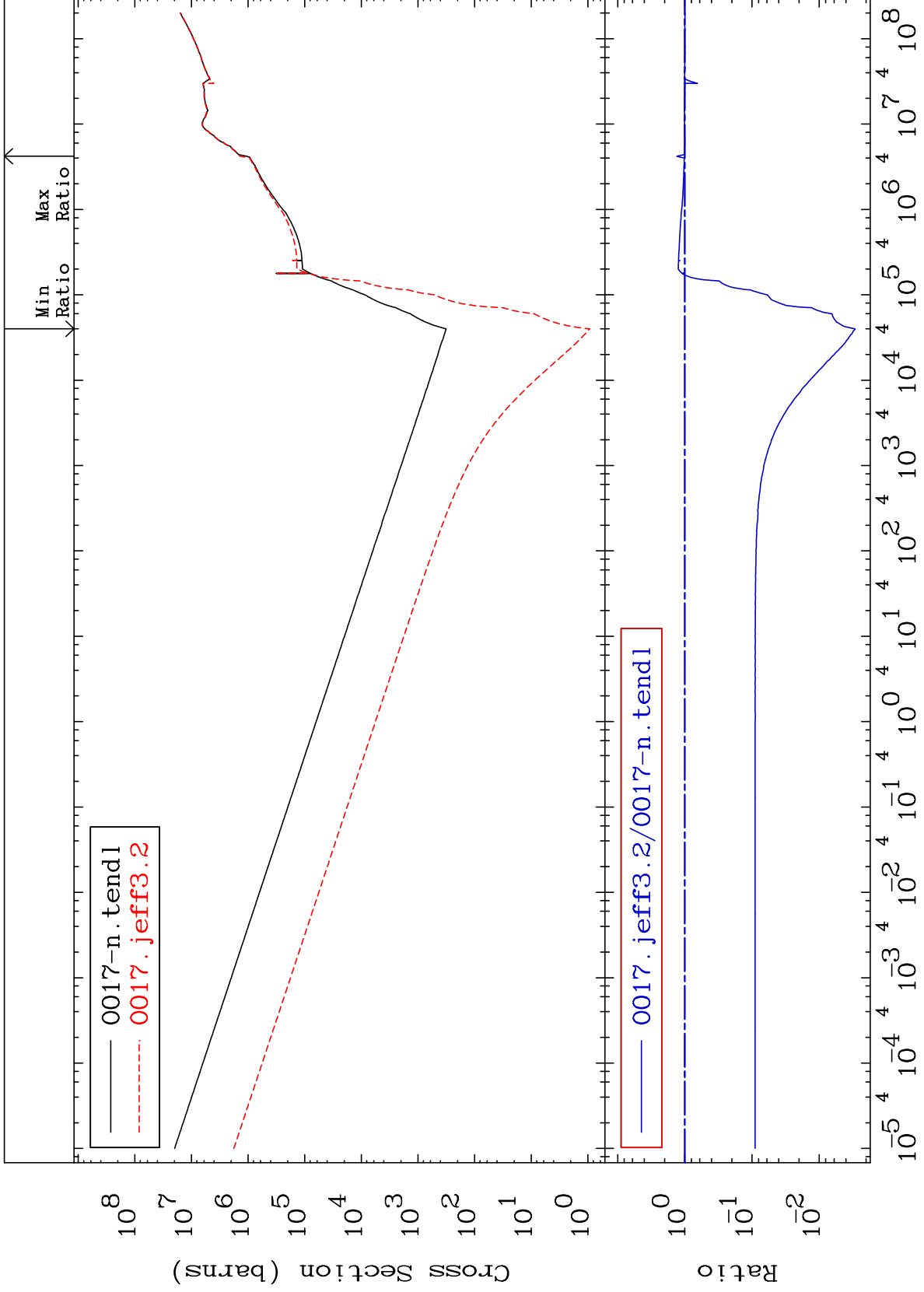
8-0 -17
-5.740 To 4.096 %



MAT 828

Kerma non-elastic (all but mt2)
Cross Section

8-0 -17
-99.71 To 31.14 %



70

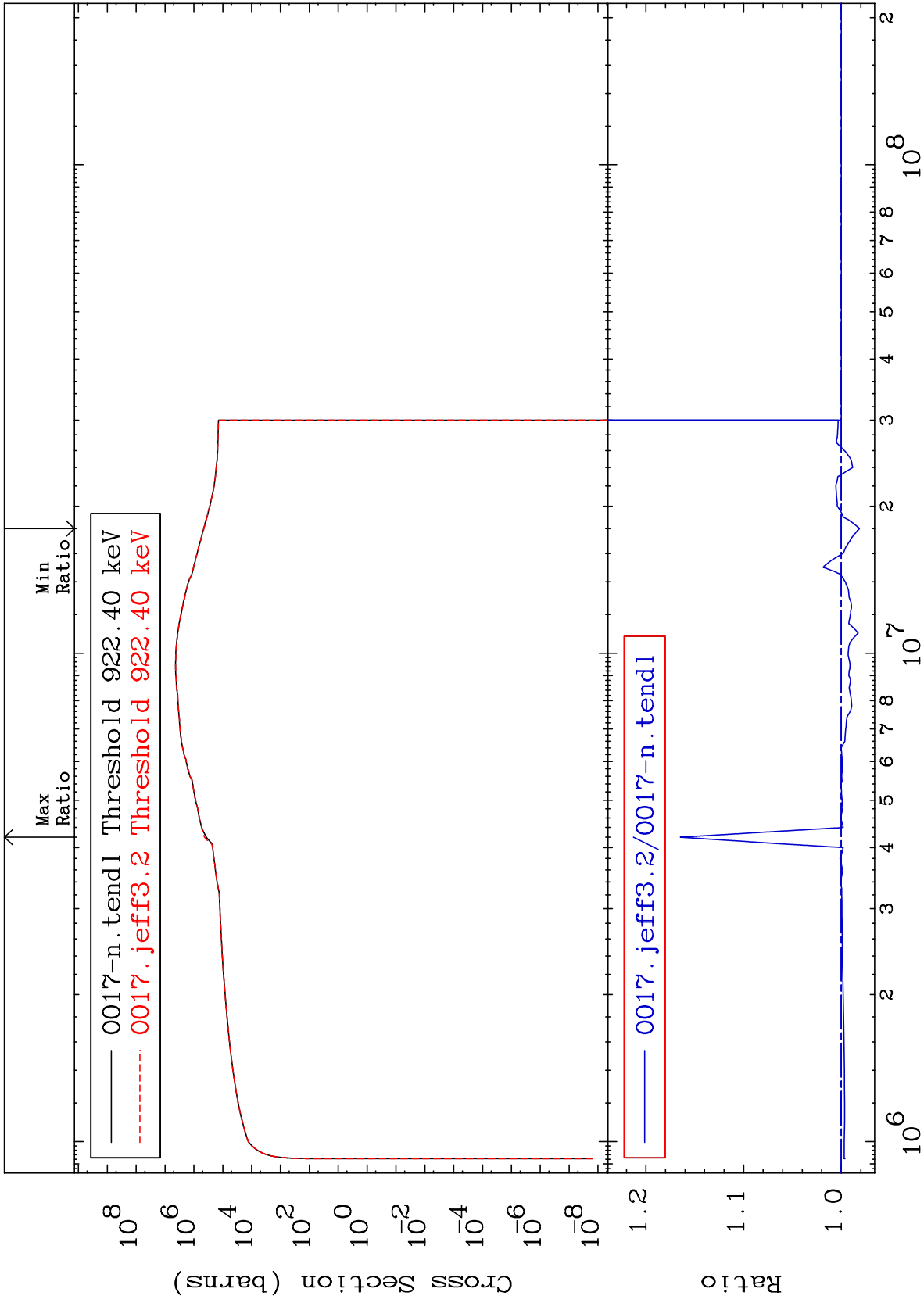
Incident Energy (eV)

8-0 -17

MAT 828

Kerma inelastic (mt51-91)
Cross Section

8-0 -17
-1.858 To 16.48 %



71

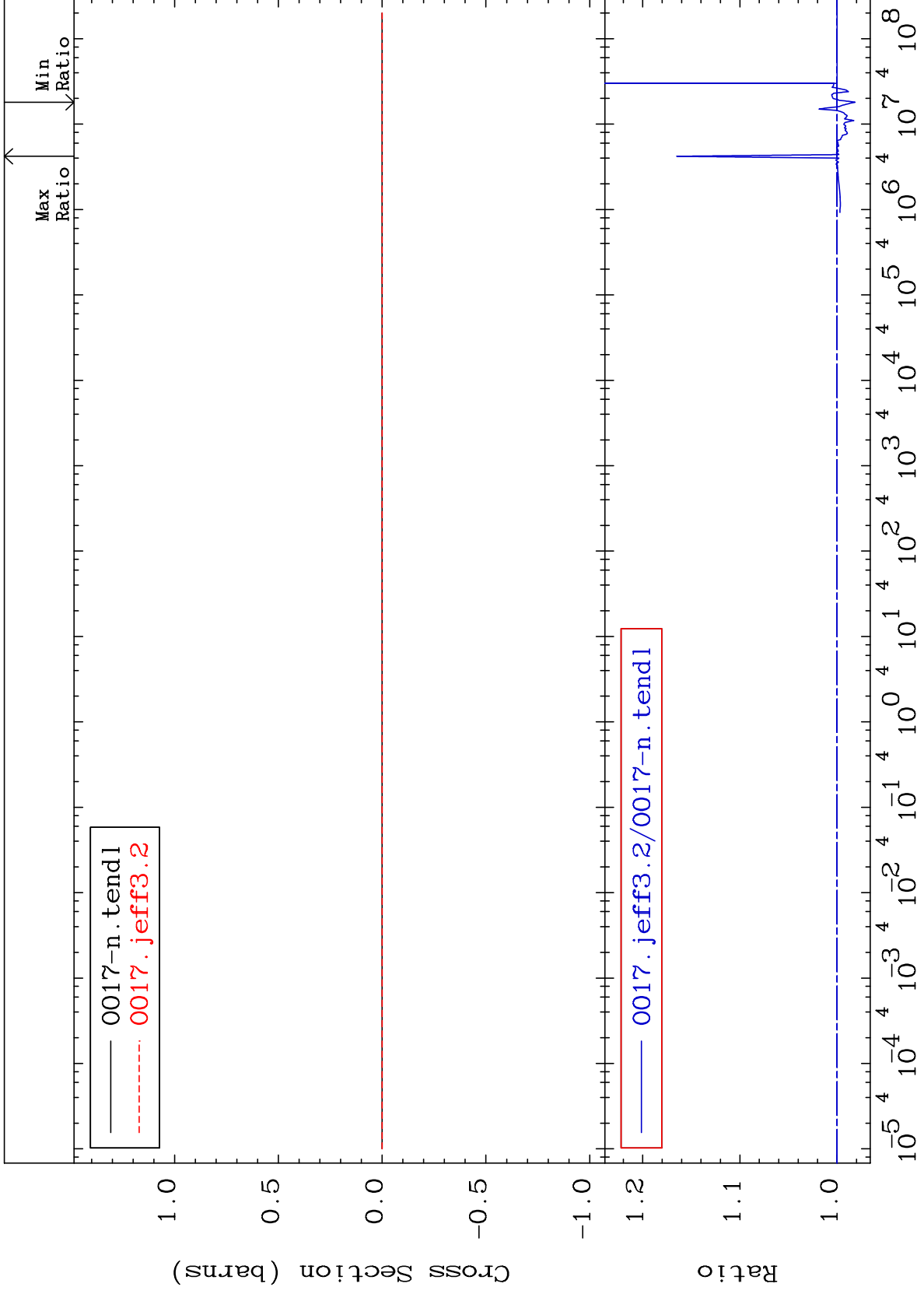
Incident Energy (eV)

8-0 -17

MAT 828

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

8-0 -17
-1.858 To 16.48 %



72

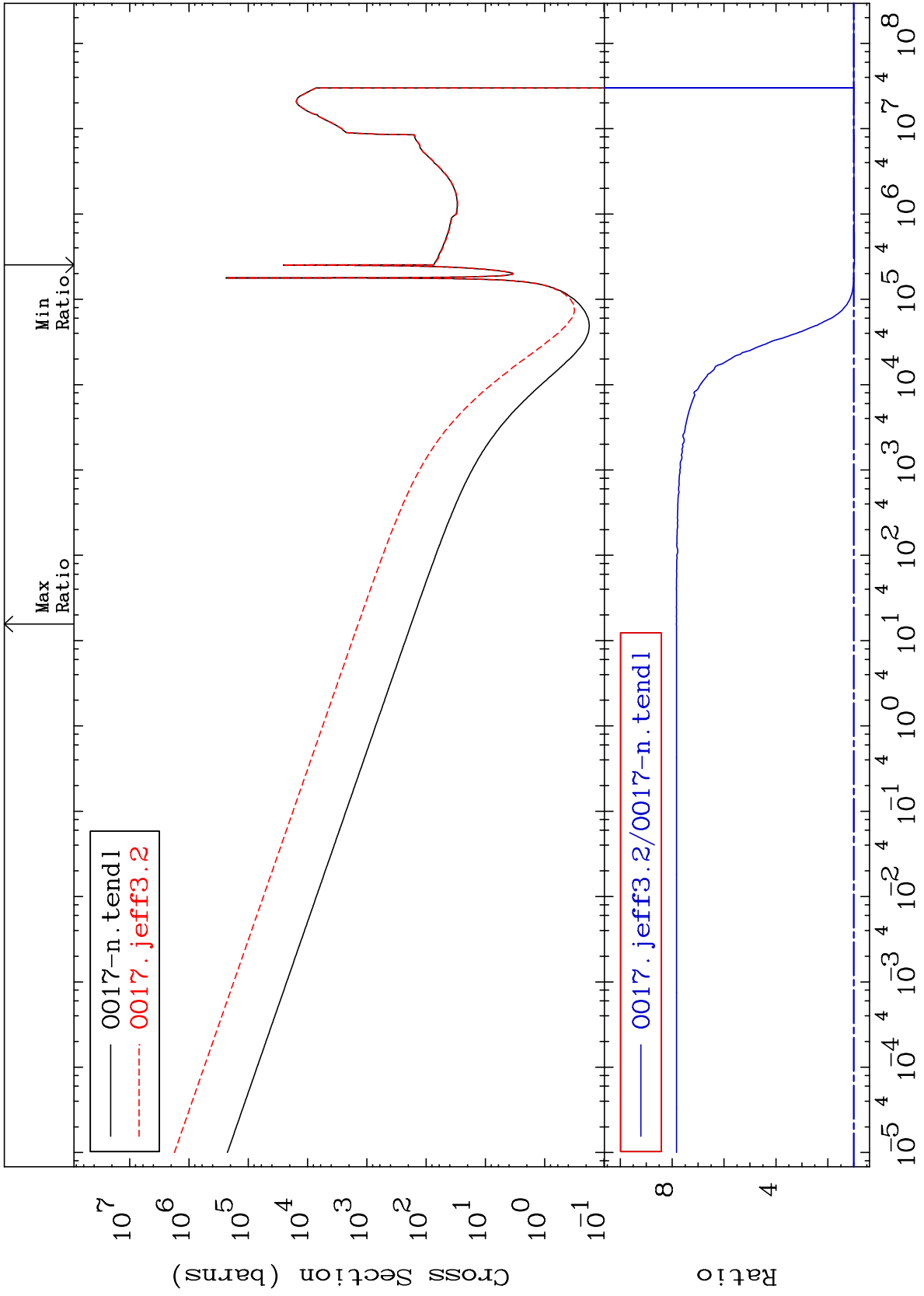
Incident Energy (eV)

8-0 -17

MAT 828

Kerma capture (mt102)
Cross Section

8-0 -17
-2.290 To 683.8 %



73

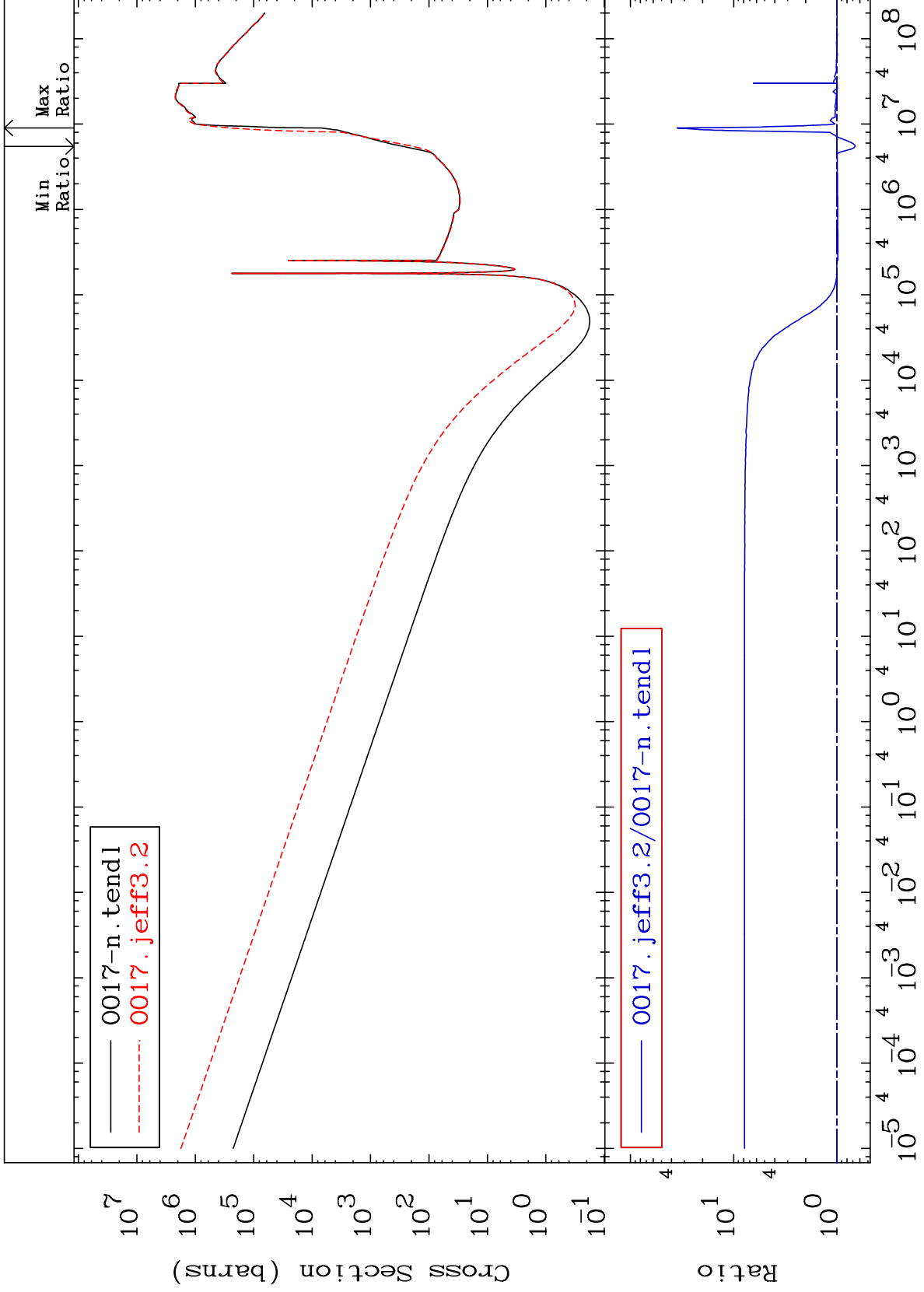
Incident Energy (eV)

8-0 -17

MAT 828

Total photon (eV-barns)
Cross Section

8-0 -17
-33.37 To 3441. %



74

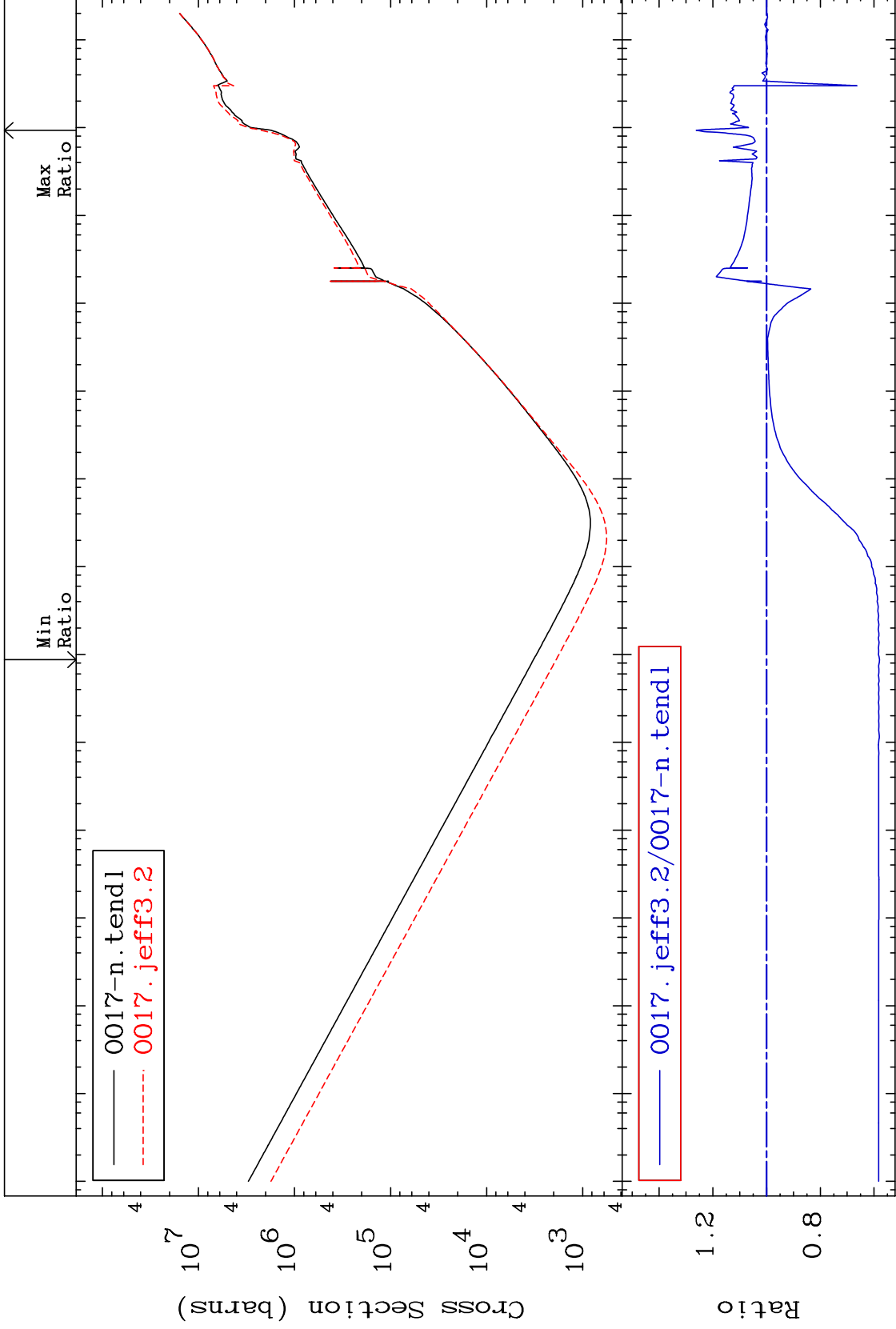
Incident Energy (eV)

8-0 -17

MAT 828

Total kinematic kerma (high limit)
Cross Section

8-0 -17
-42.04 To 26.17 %



75

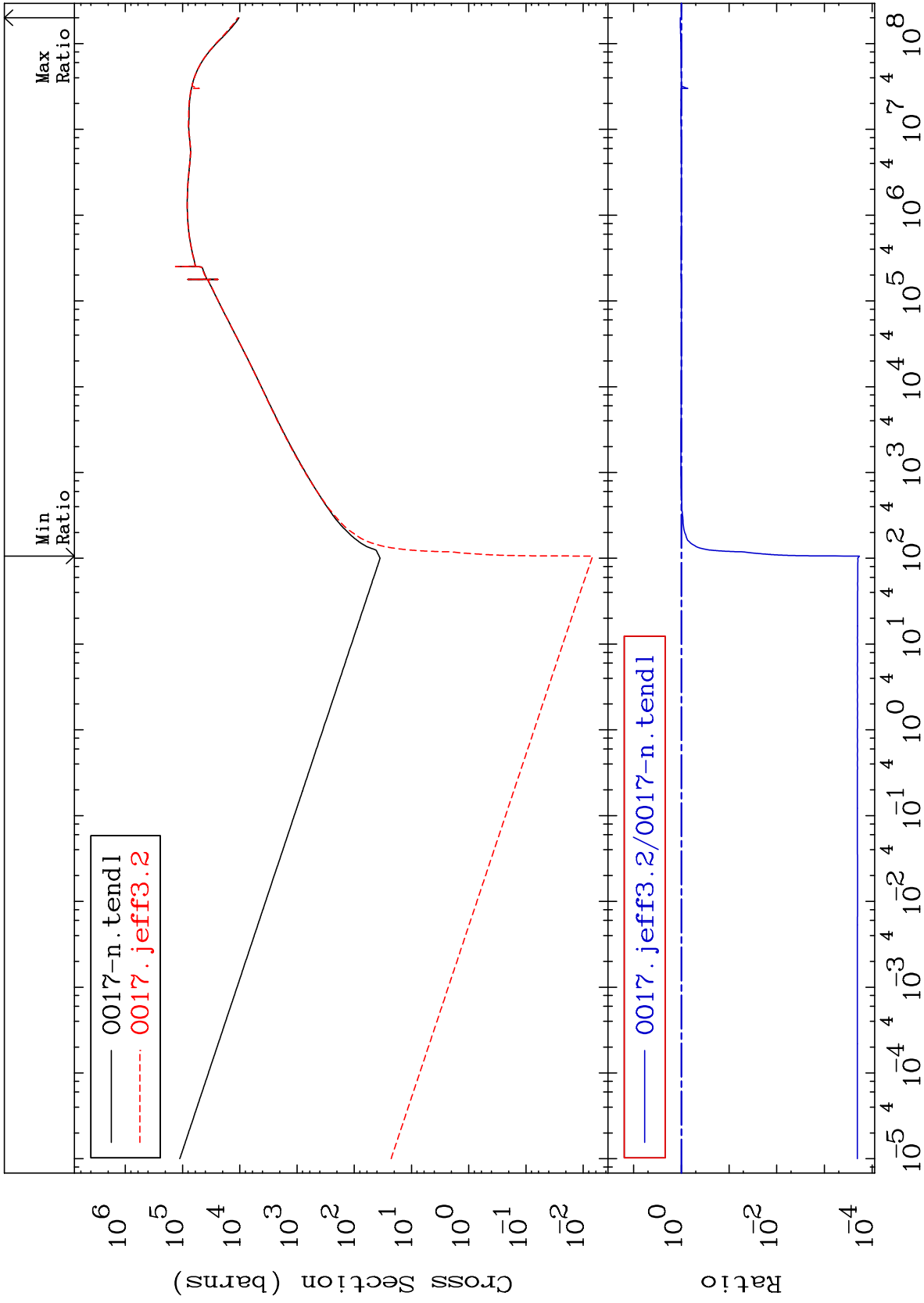
Incident Energy (eV)

8-0 -17

MAT 828

Dpa total (eV-barns)
Cross Section

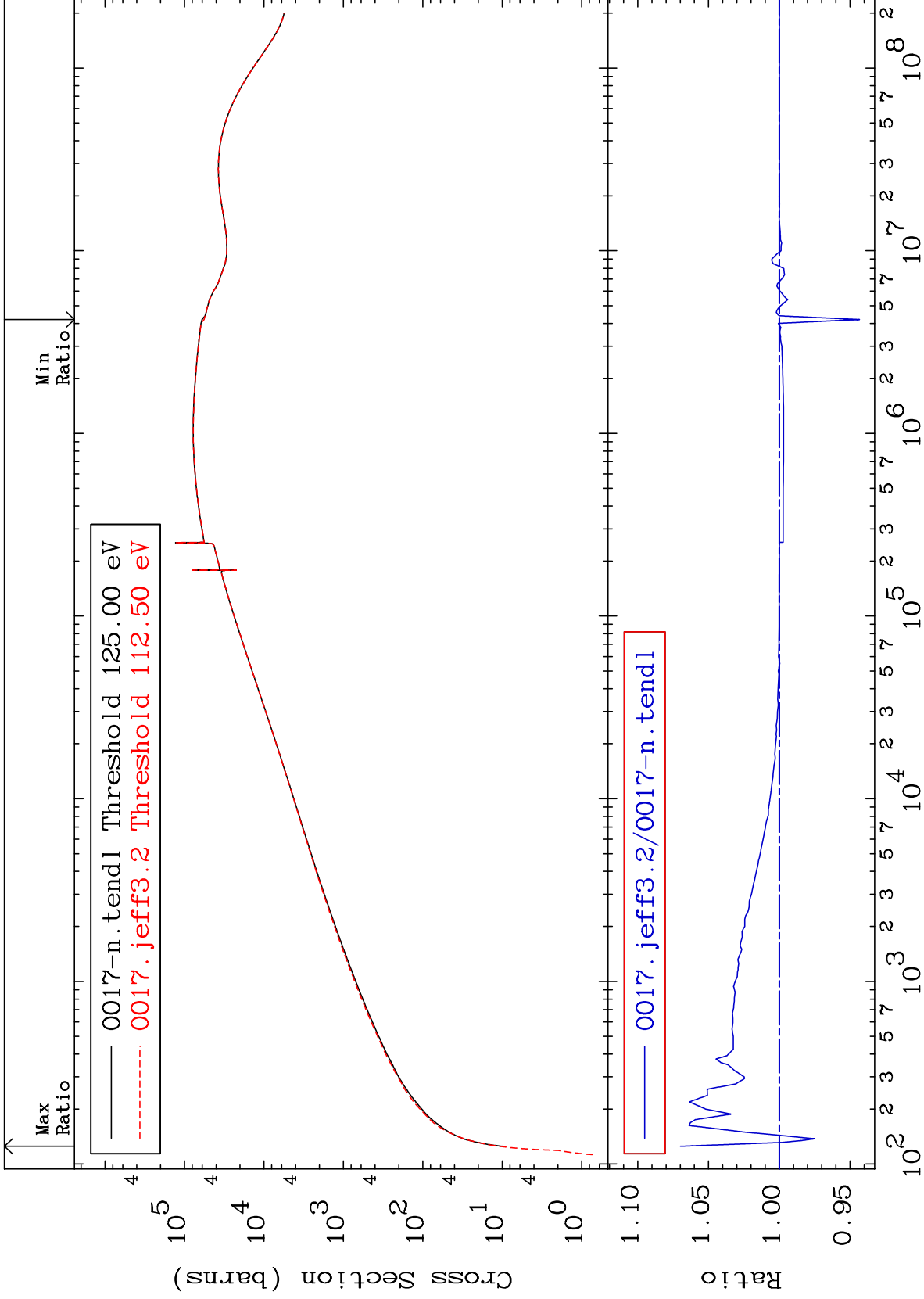
8-0 -17
-99.98 To 4.704 %



76

Incident Energy (eV)

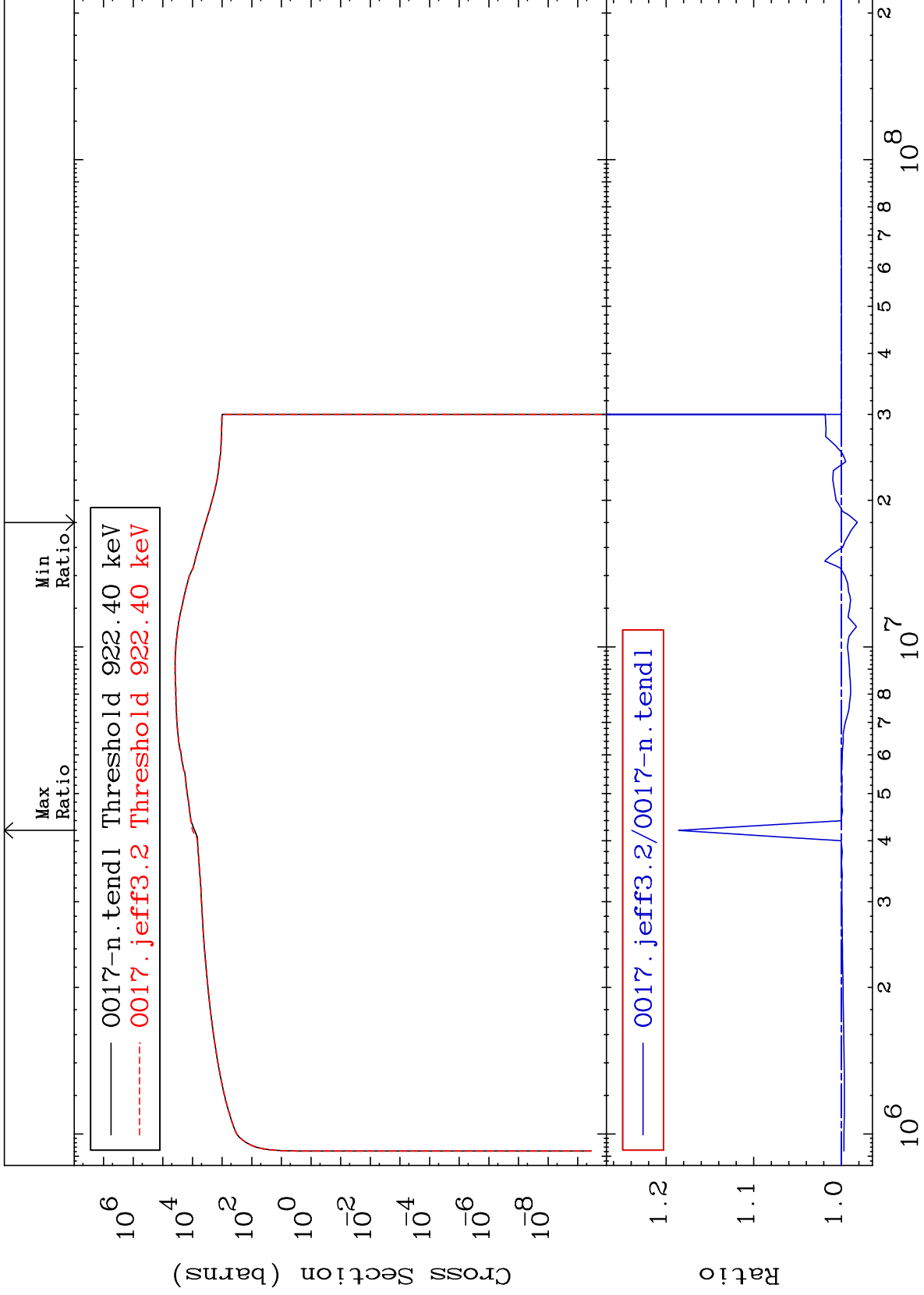
8-0 -17



MAT 828

Dpa inelastic (mt51-91)
Cross Section

8-0 -17
-1.812 To 18.57 %



78

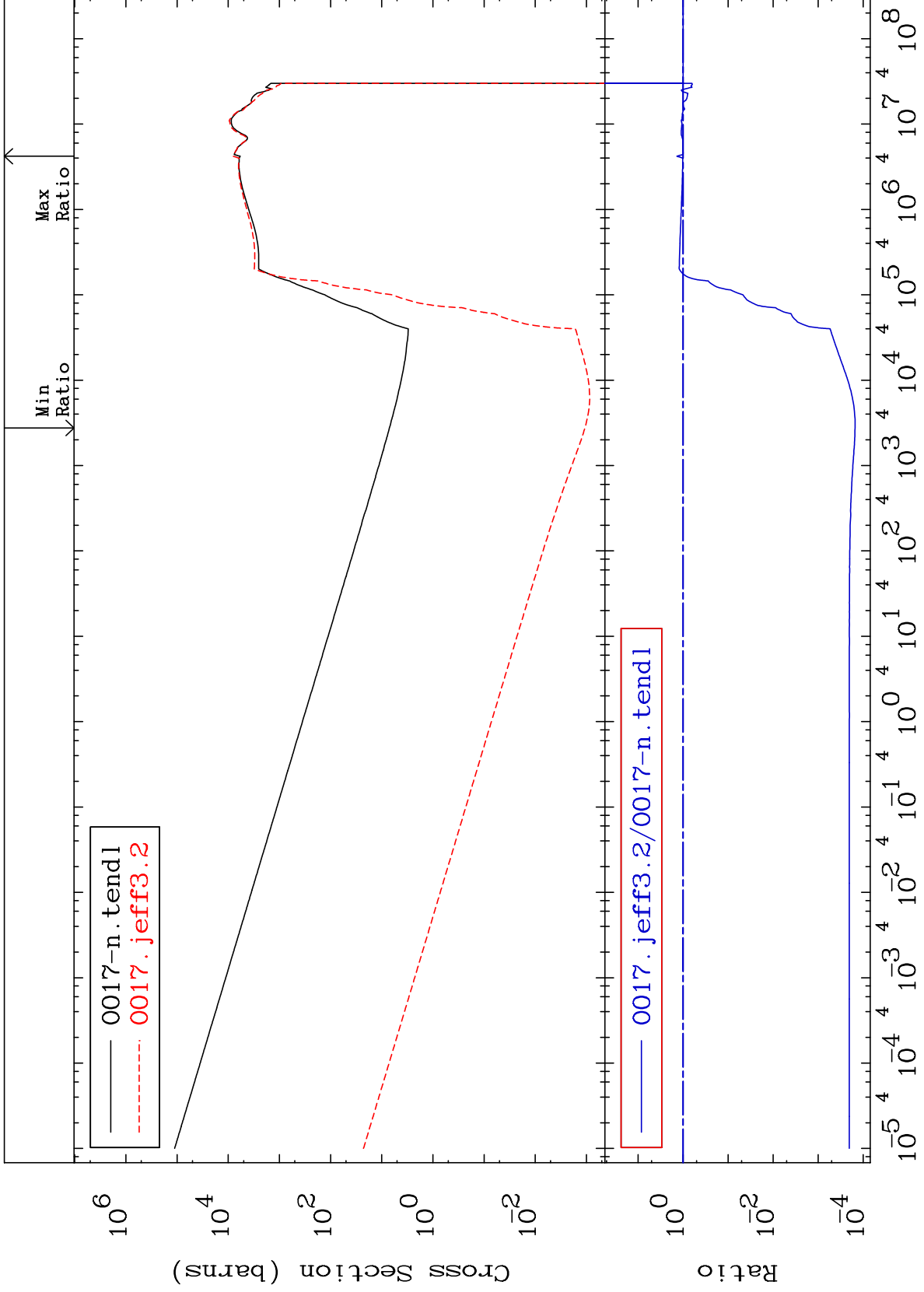
Incident Energy (eV)

8-0 -17

MAT 828

Dpa disappearance (mt102 -120)
Cross Section

8-0 -17
-99.98 To 36.61 %



79

Incident Energy (eV)

8-0 -17