

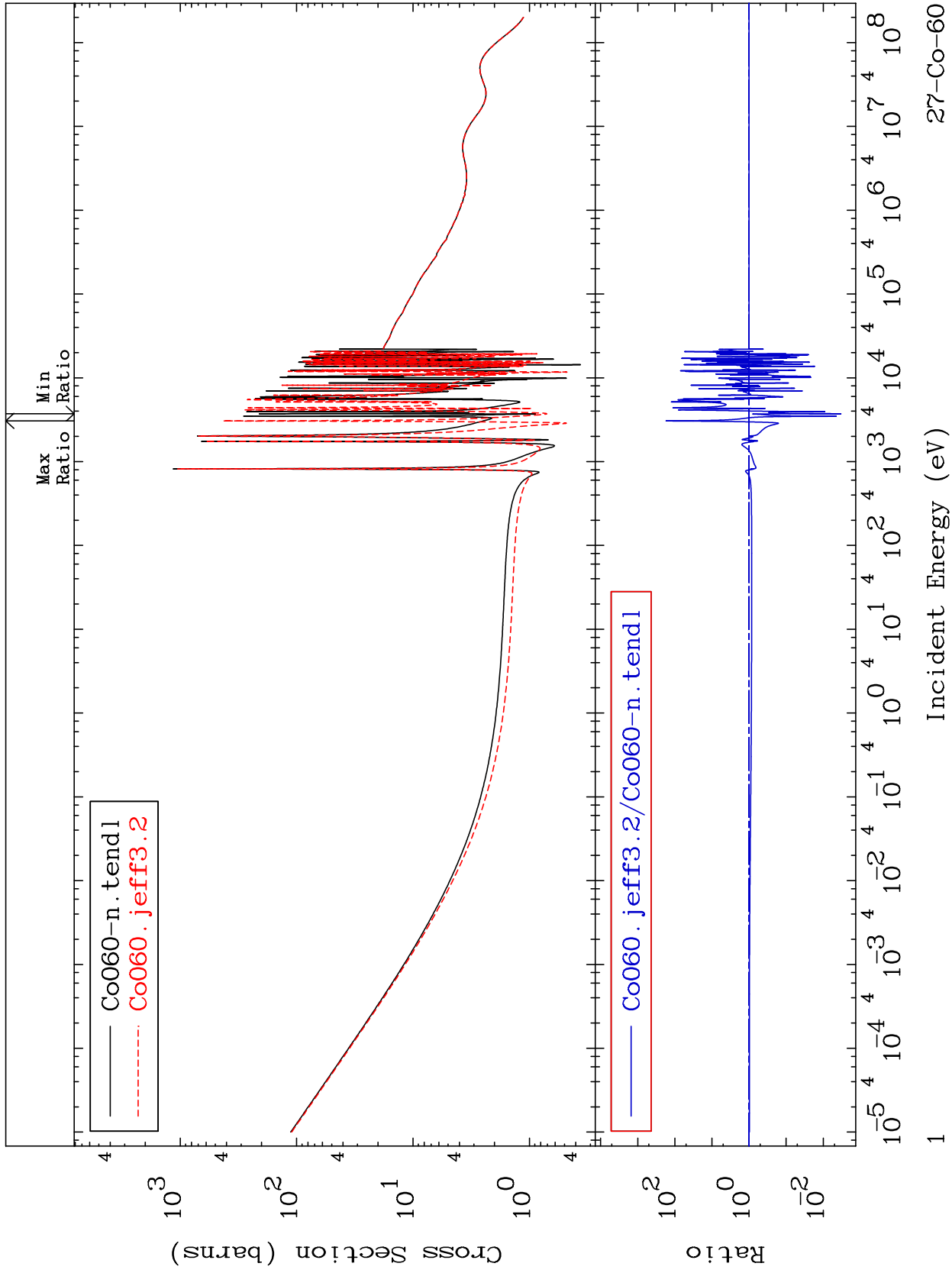
MAT 2728

Total

27-Co-60

Cross Section

-99.66 To 9999. %



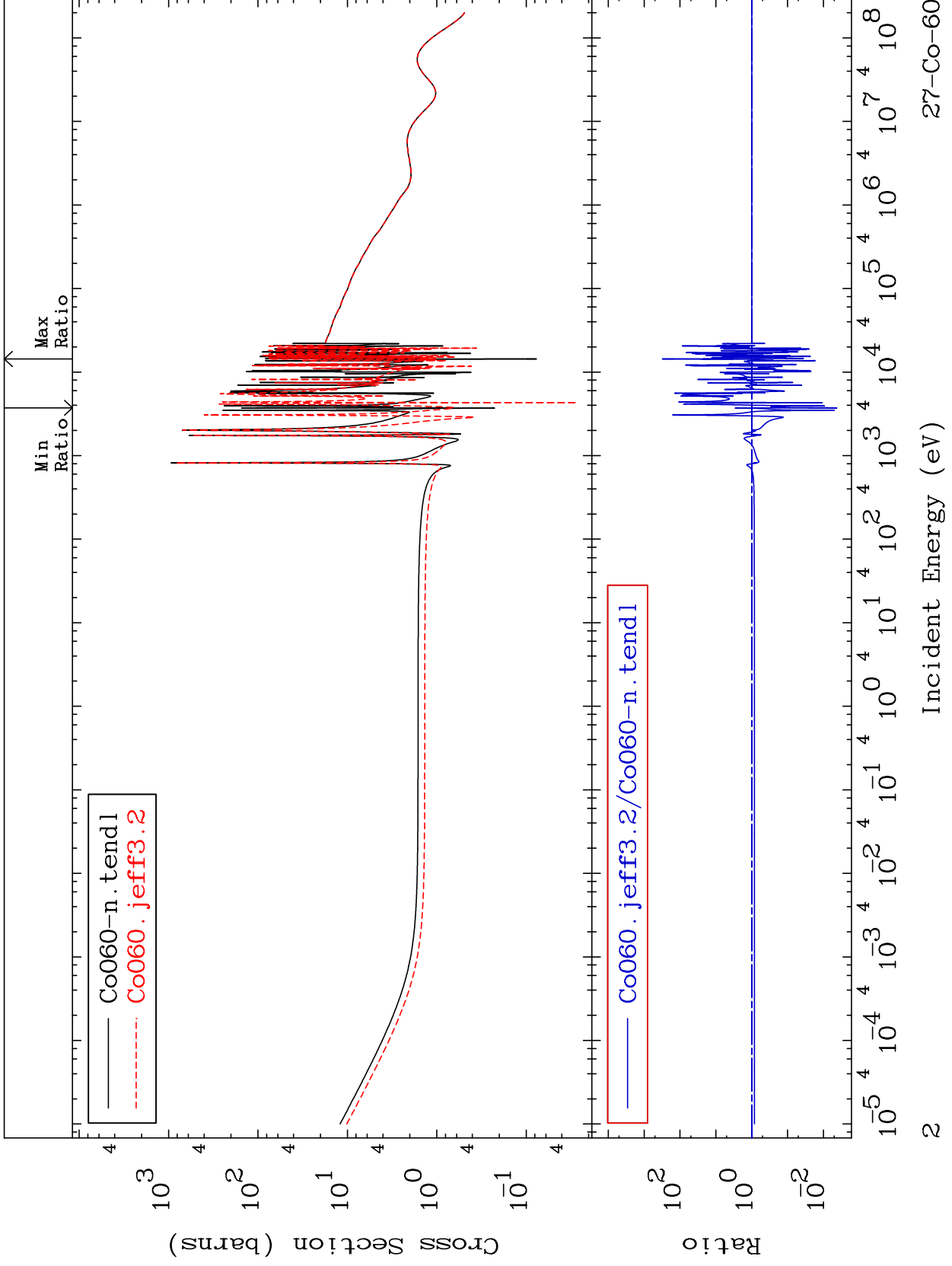
Incident Energy (eV)

27-Co-60

MAT 2728

Elastic
Cross Section

27-Co-60
-99.57 To 9999. %

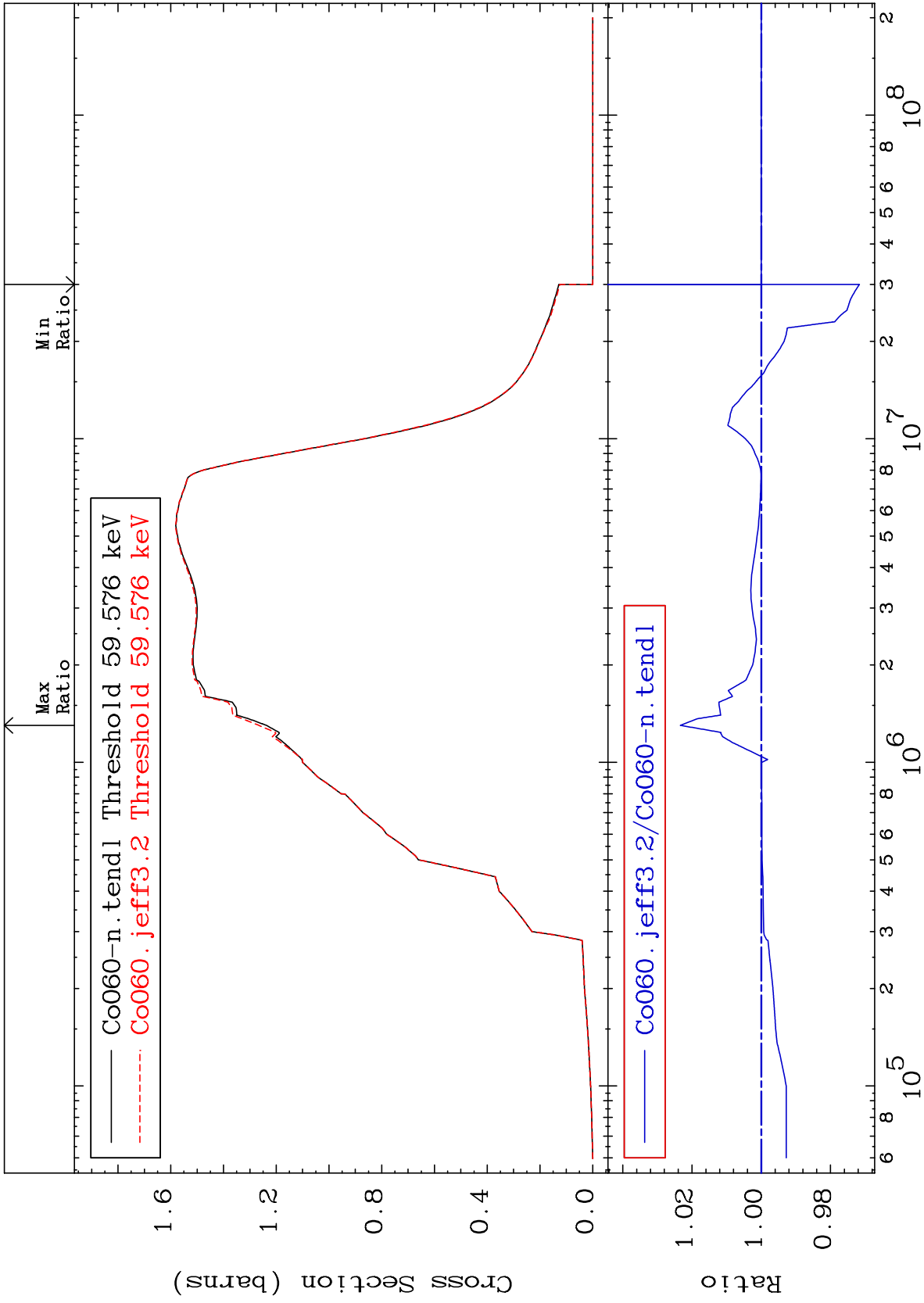


27-Co-60

MAT 2728

Inelastic
Cross Section

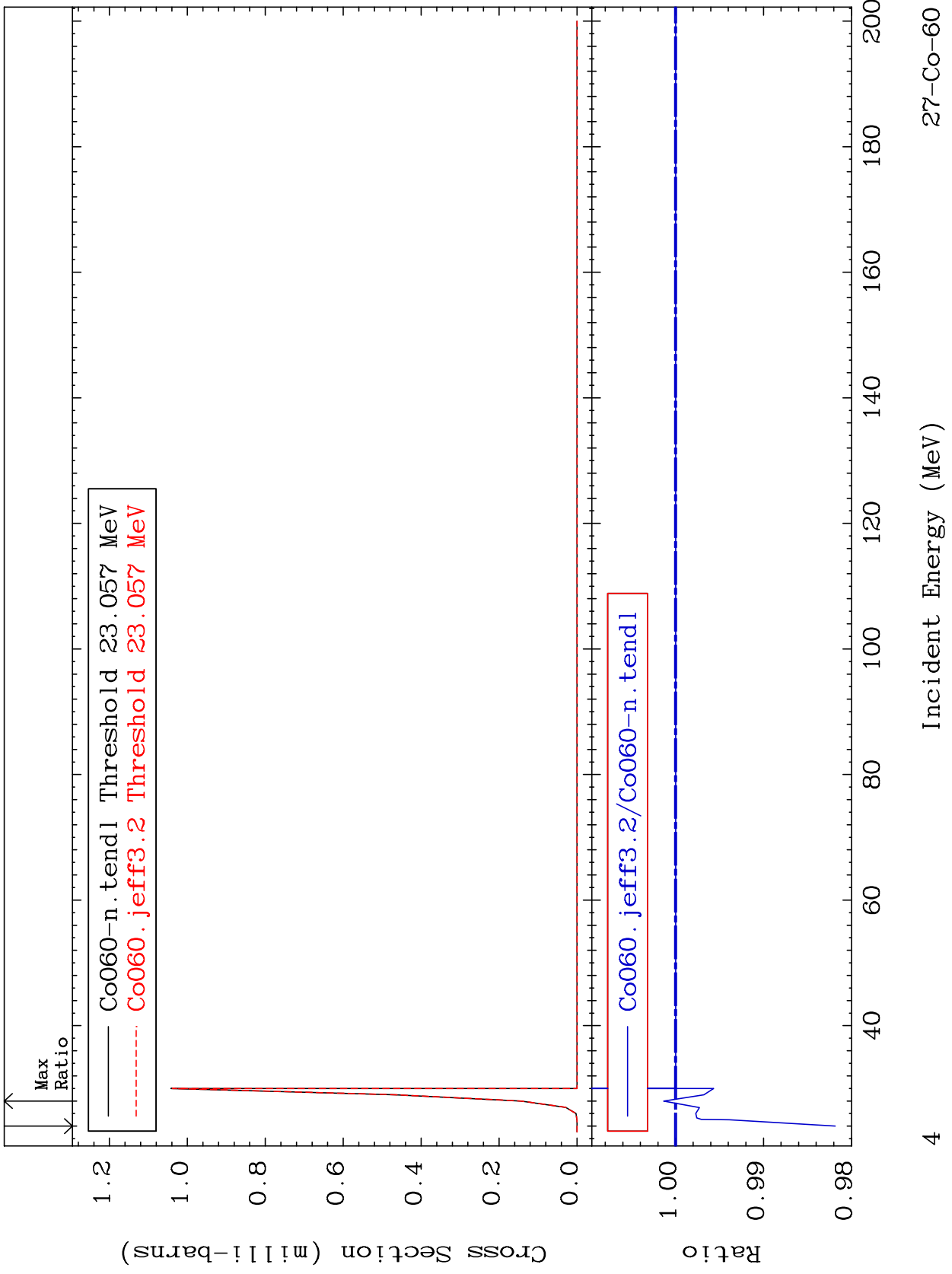
27-Co-60
-2.835 To 2.338 %



MAT 2728

(n,2n) d
Cross Section

27-Co-60
-1.816 To 0.135 %



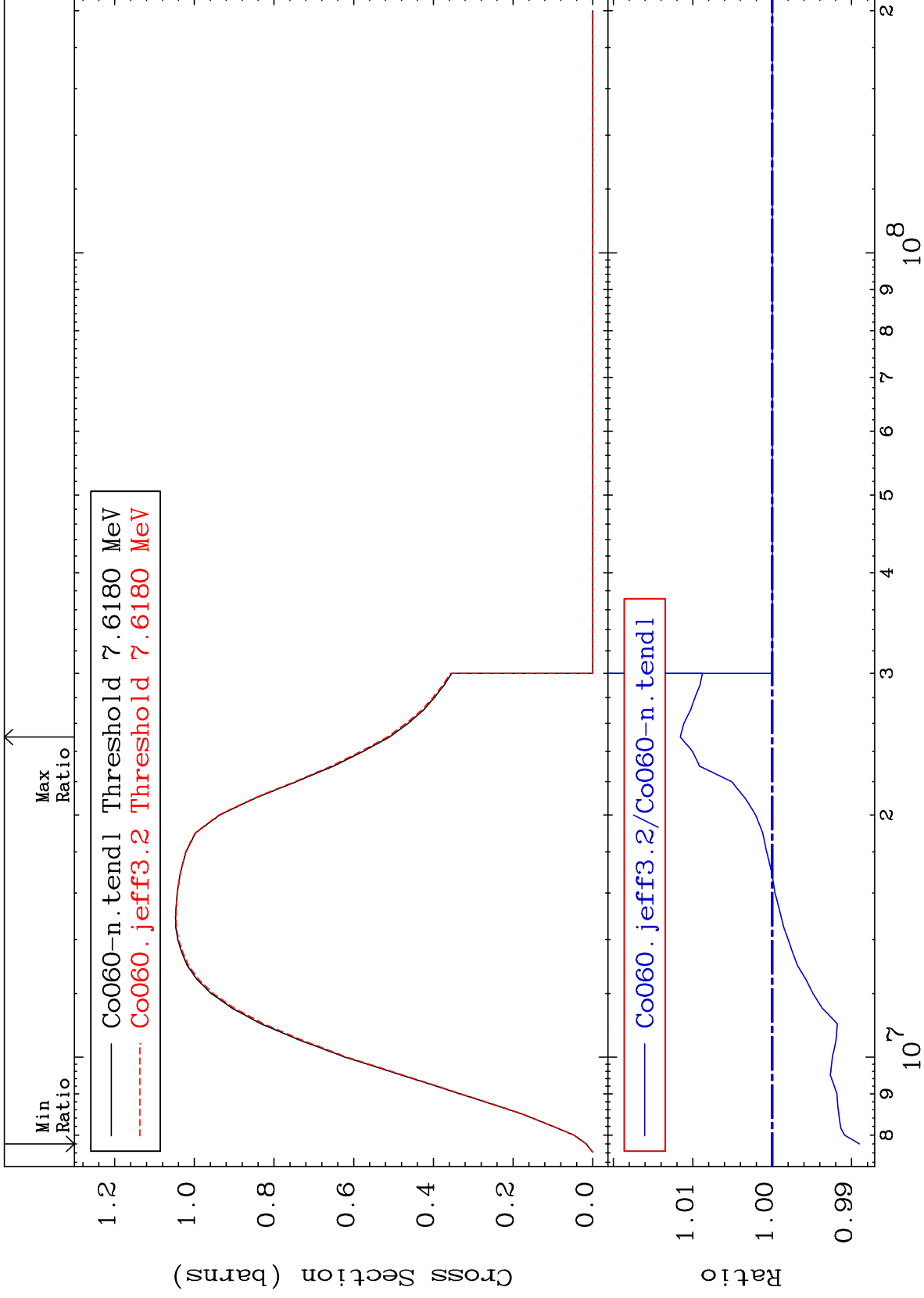
MAT 2728

(n,2n)

27-Co-60

Cross Section

-1.099 To 1.157 %



5

Incident Energy (eV)

27-Co-60

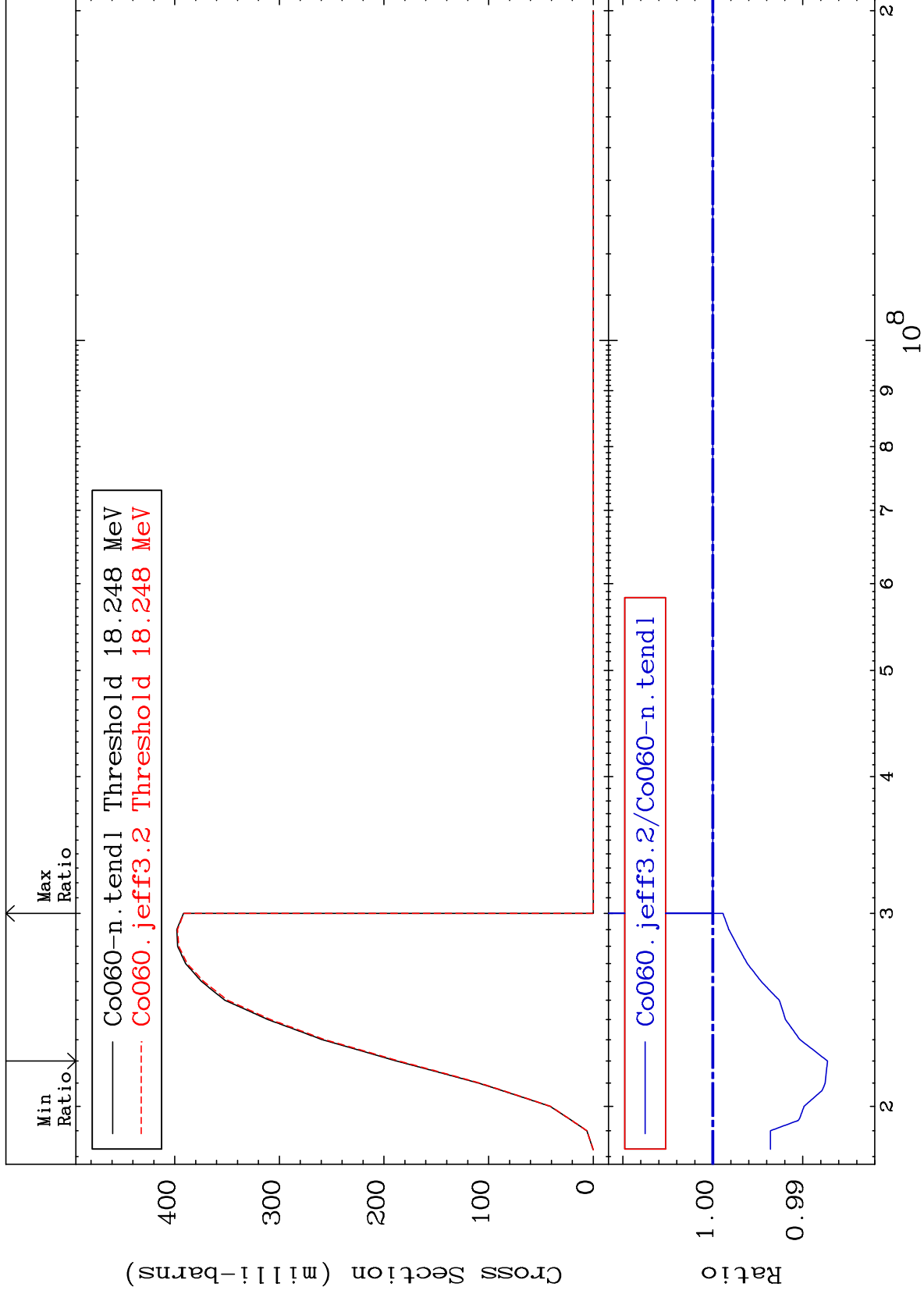
MAT 2728

(n,3n)

²⁷Co-60

Cross Section

-1.275 To 0.000 %



6

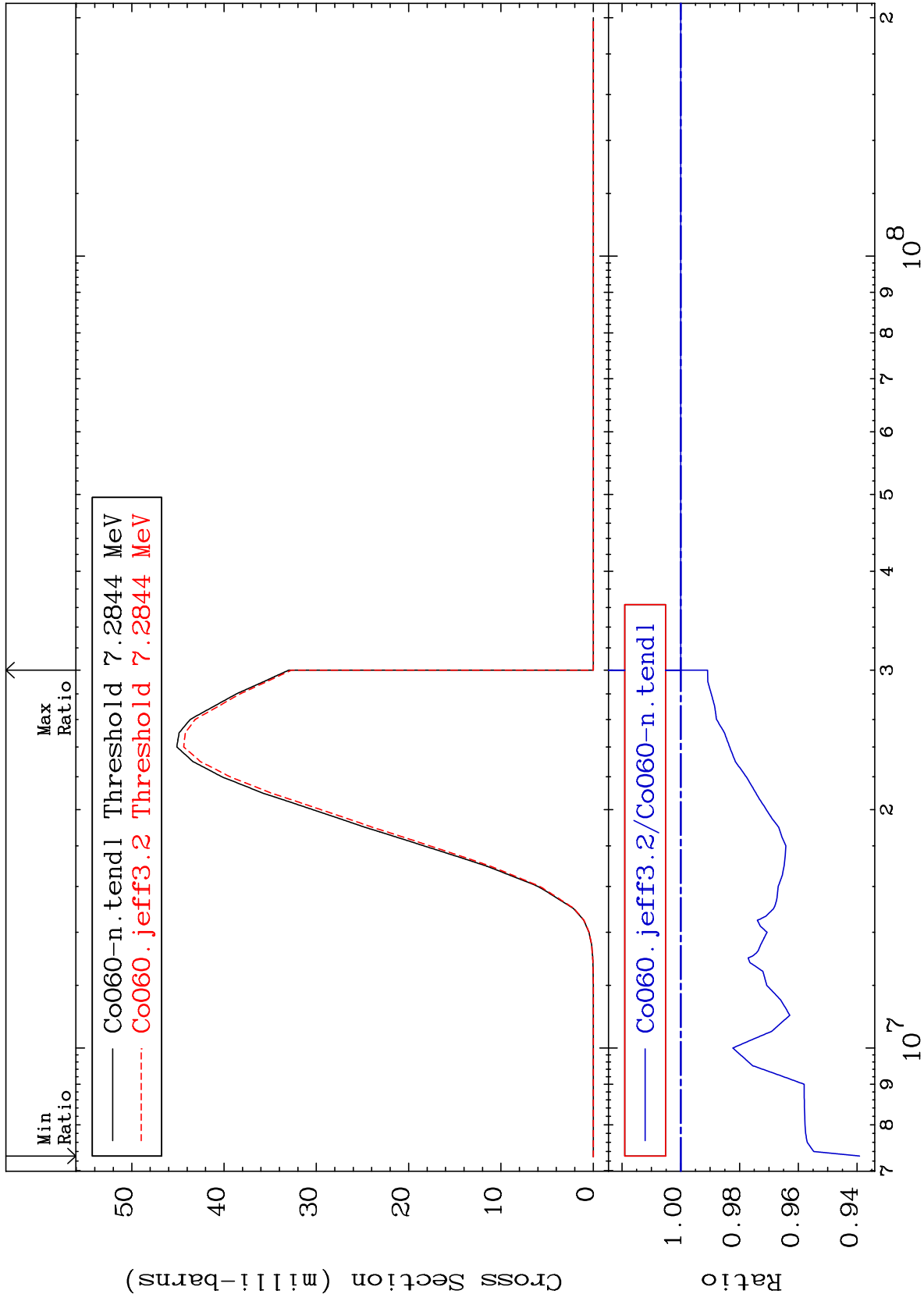
Incident Energy (eV)

²⁷Co-60

MAT 2728

(n,n') α
Cross Section

²⁷Co-60
-6.082 To 0.000 %



7

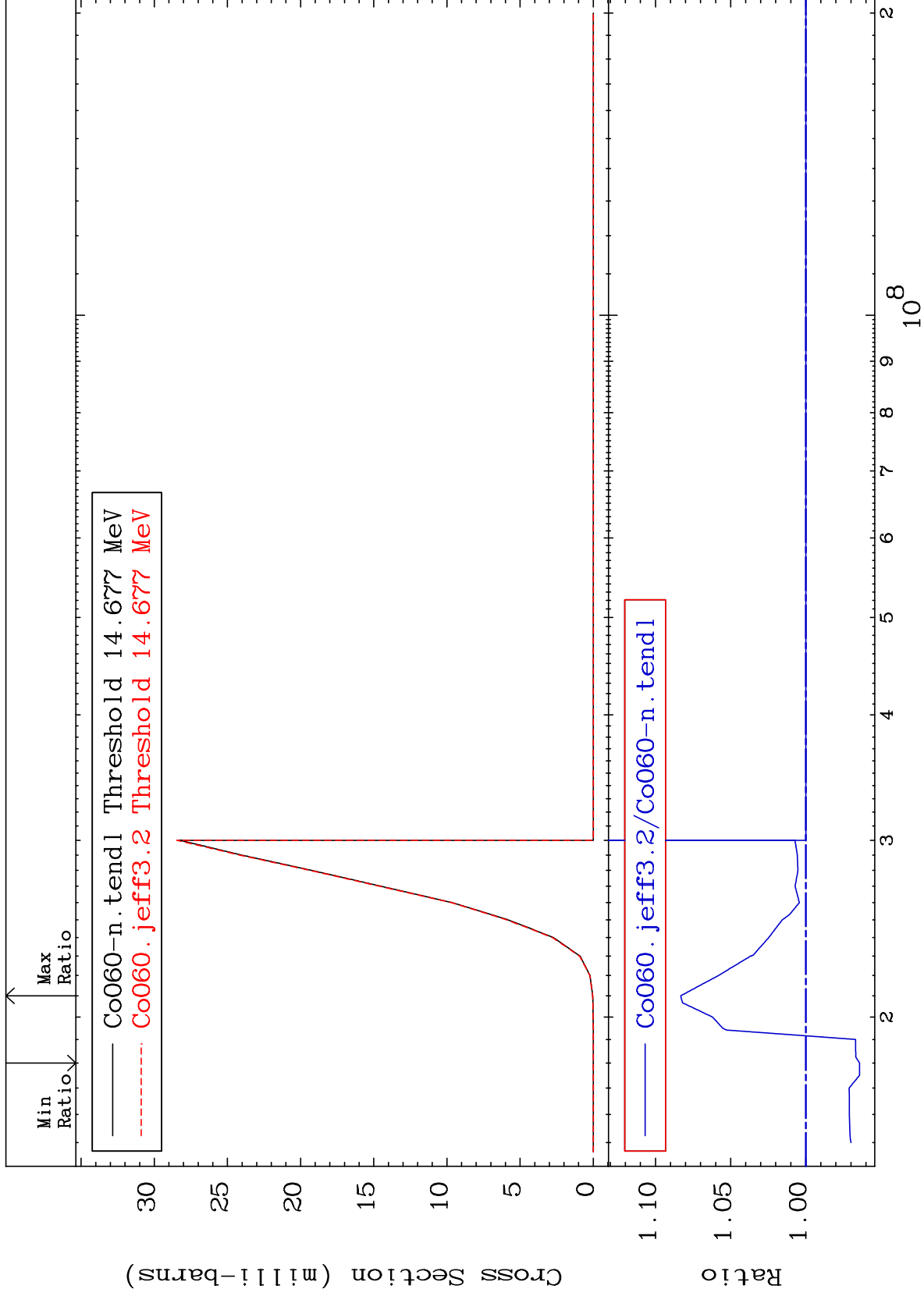
Incident Energy (eV)

²⁷Co-60

MAT 2728

(n,2n) α
Cross Section

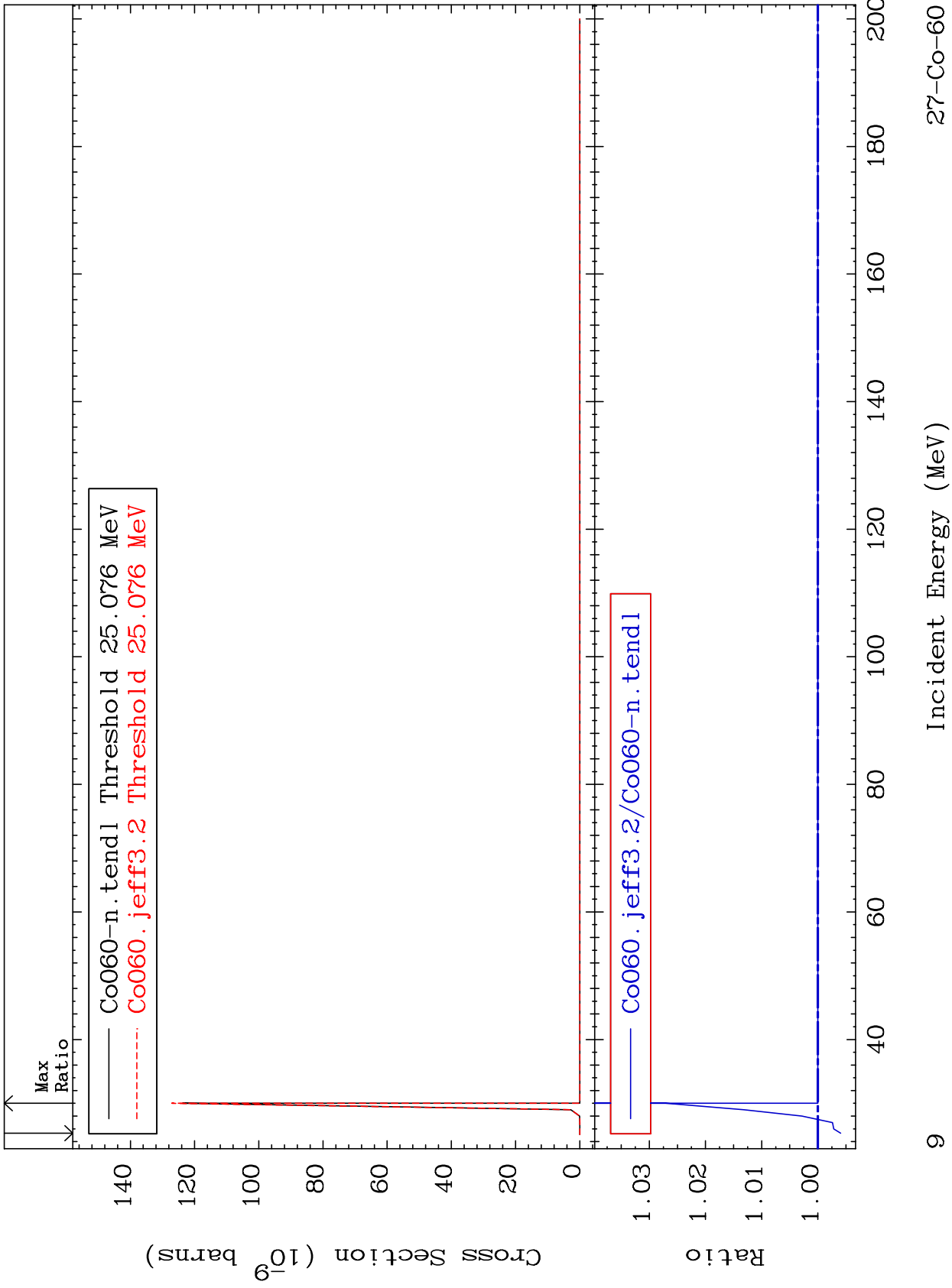
²⁷Co-60
-3.574 To 8.317 %



MAT 2728

(n,3n) α
Cross Section

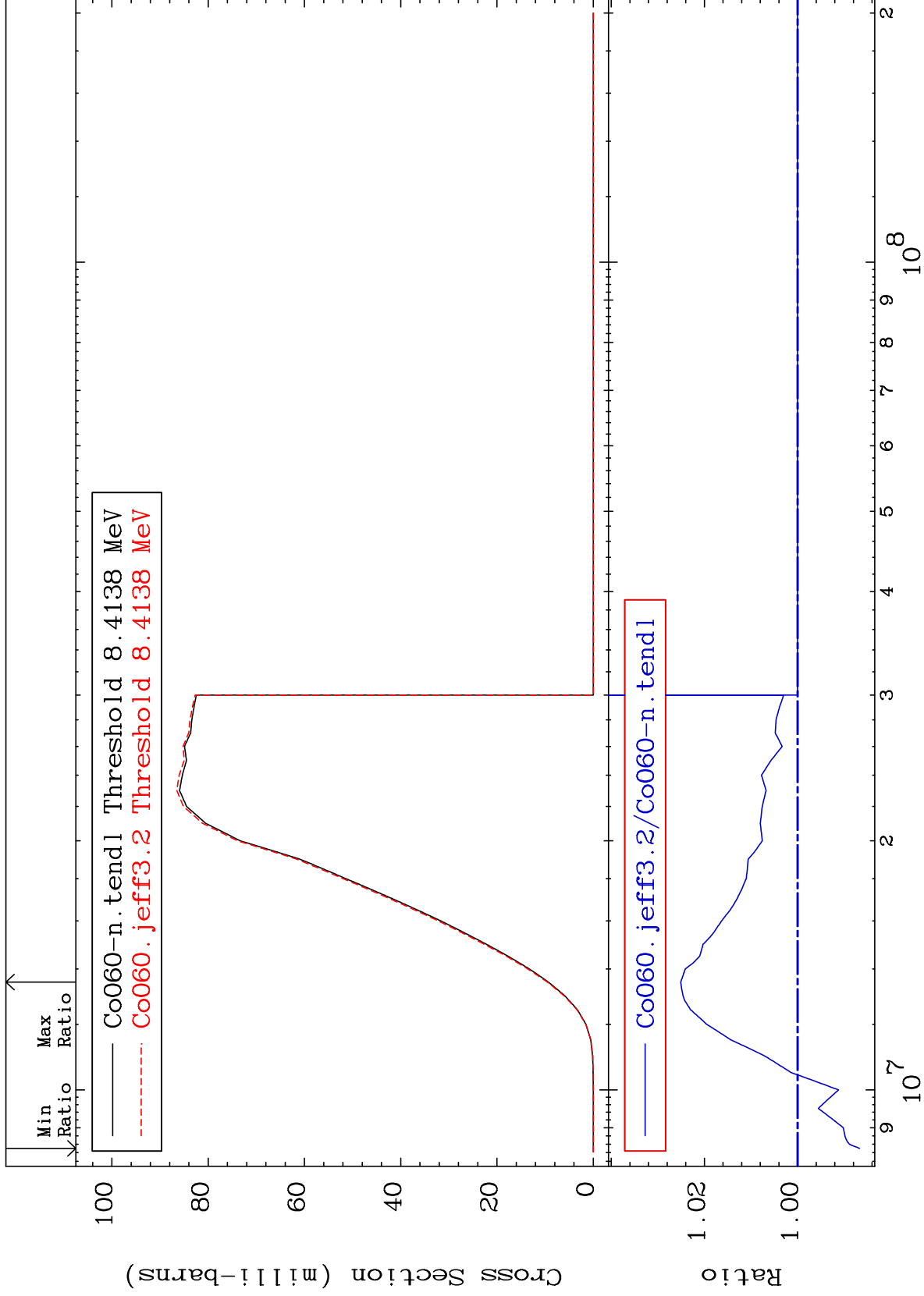
²⁷Co-60
-0.406 To 2.712 %



MAT 2728

(n, n') p
Cross Section

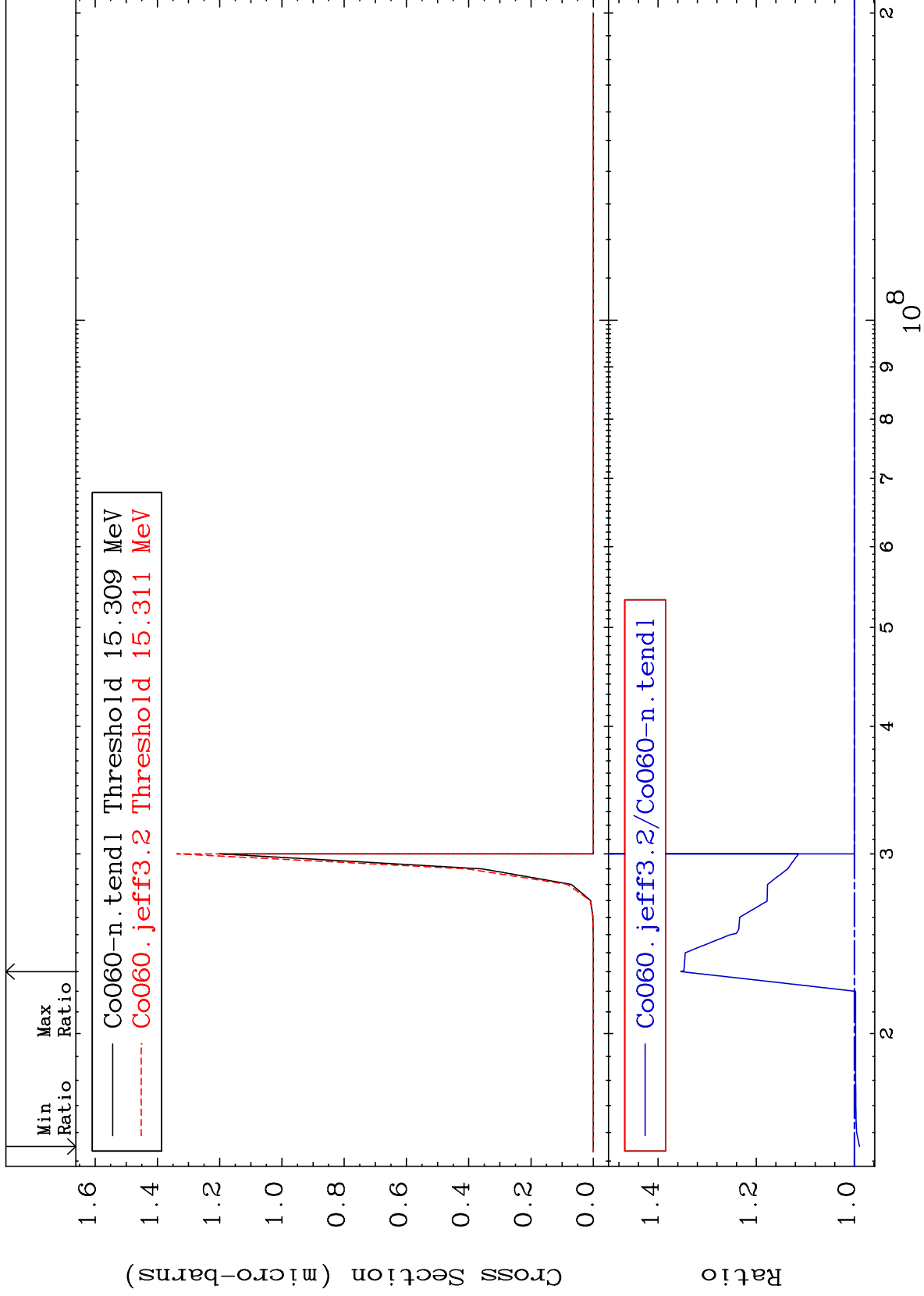
27-Co-60
-1.330 To 2.508 %



27-Co-60

Incident Energy (eV)

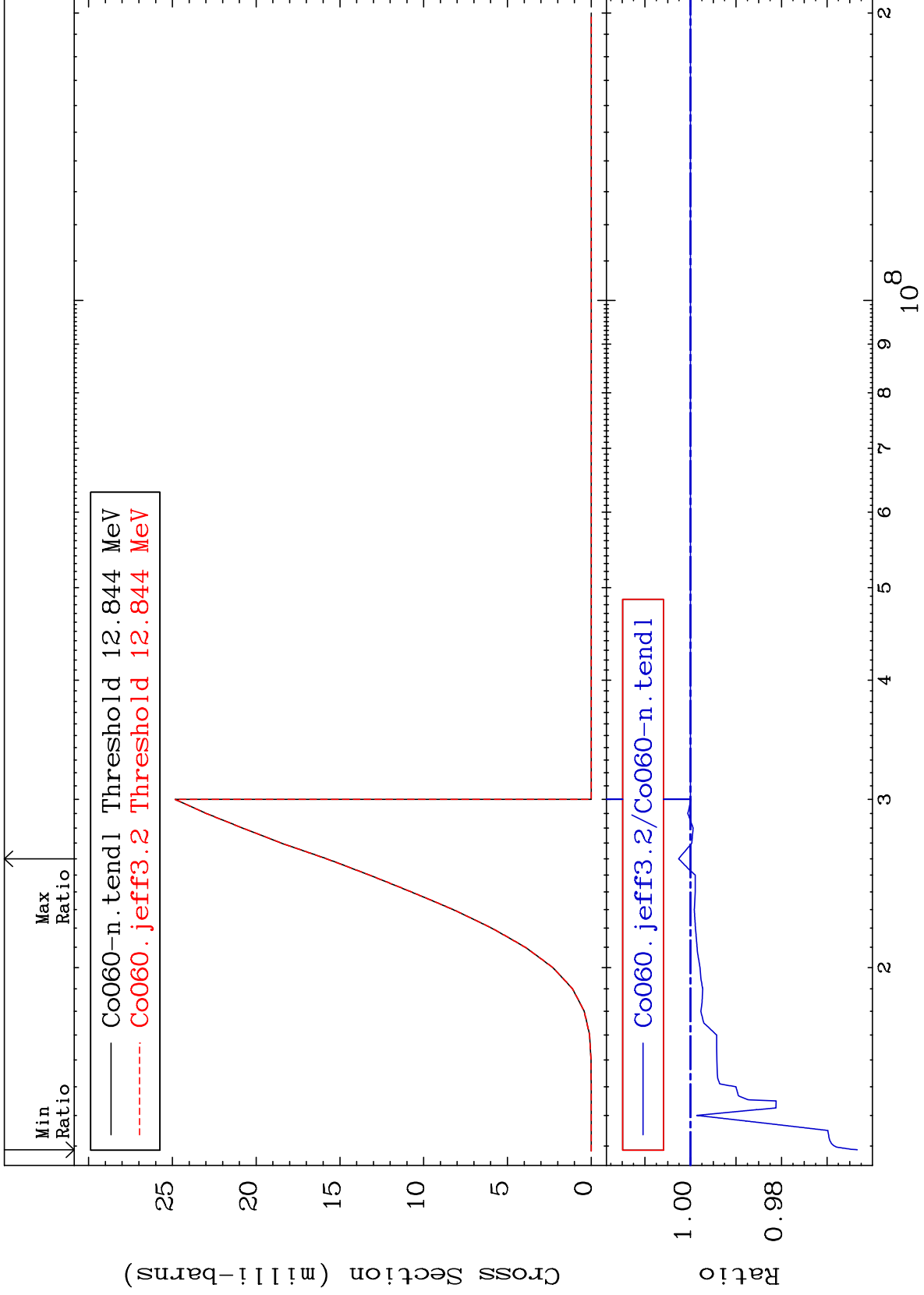
10



MAT 2728

(n,n') d
Cross Section

27-Co-60
-3.664 To 0.260 %



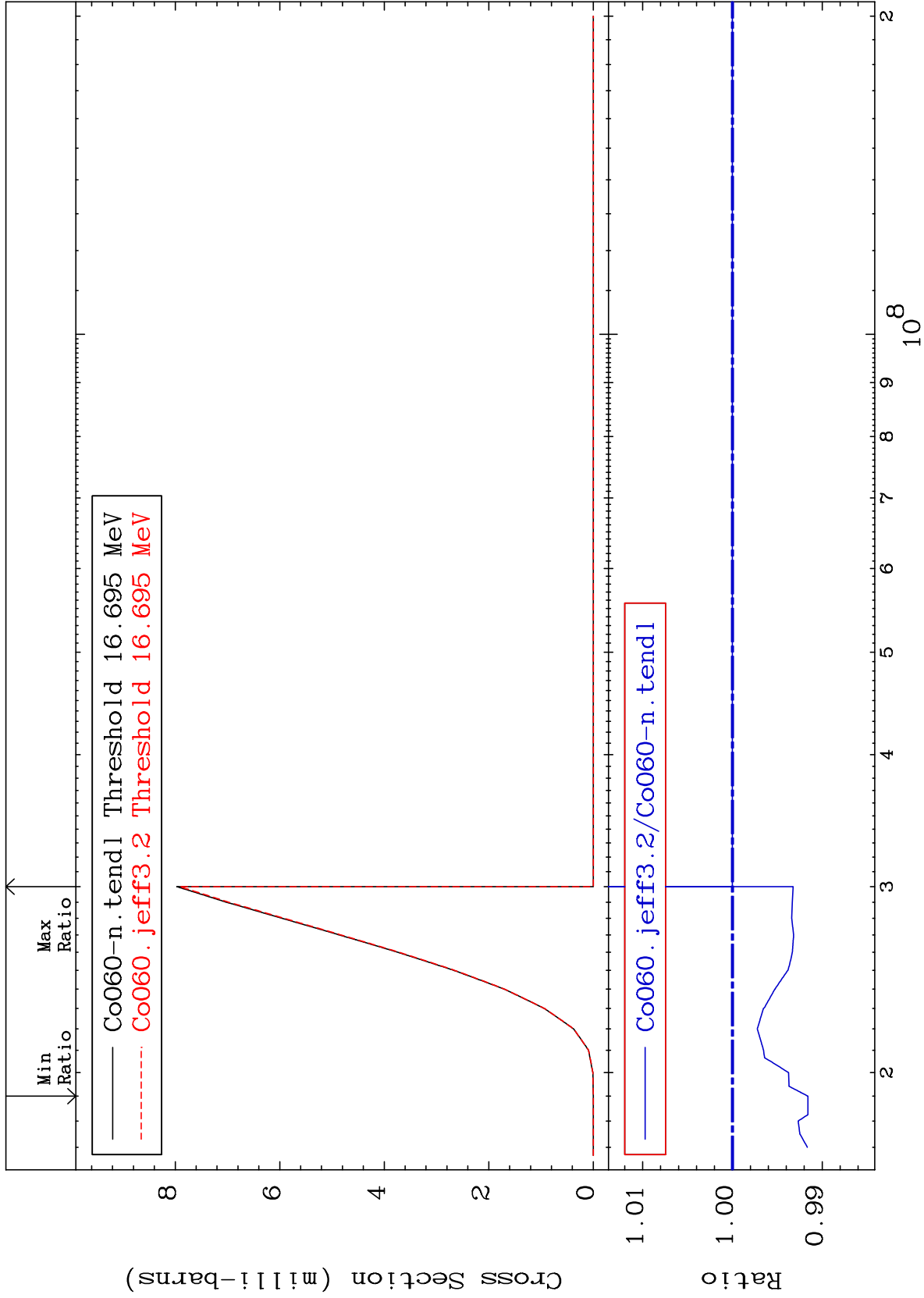
MAT 2728

(n,n') t

²⁷Co-60

Cross Section

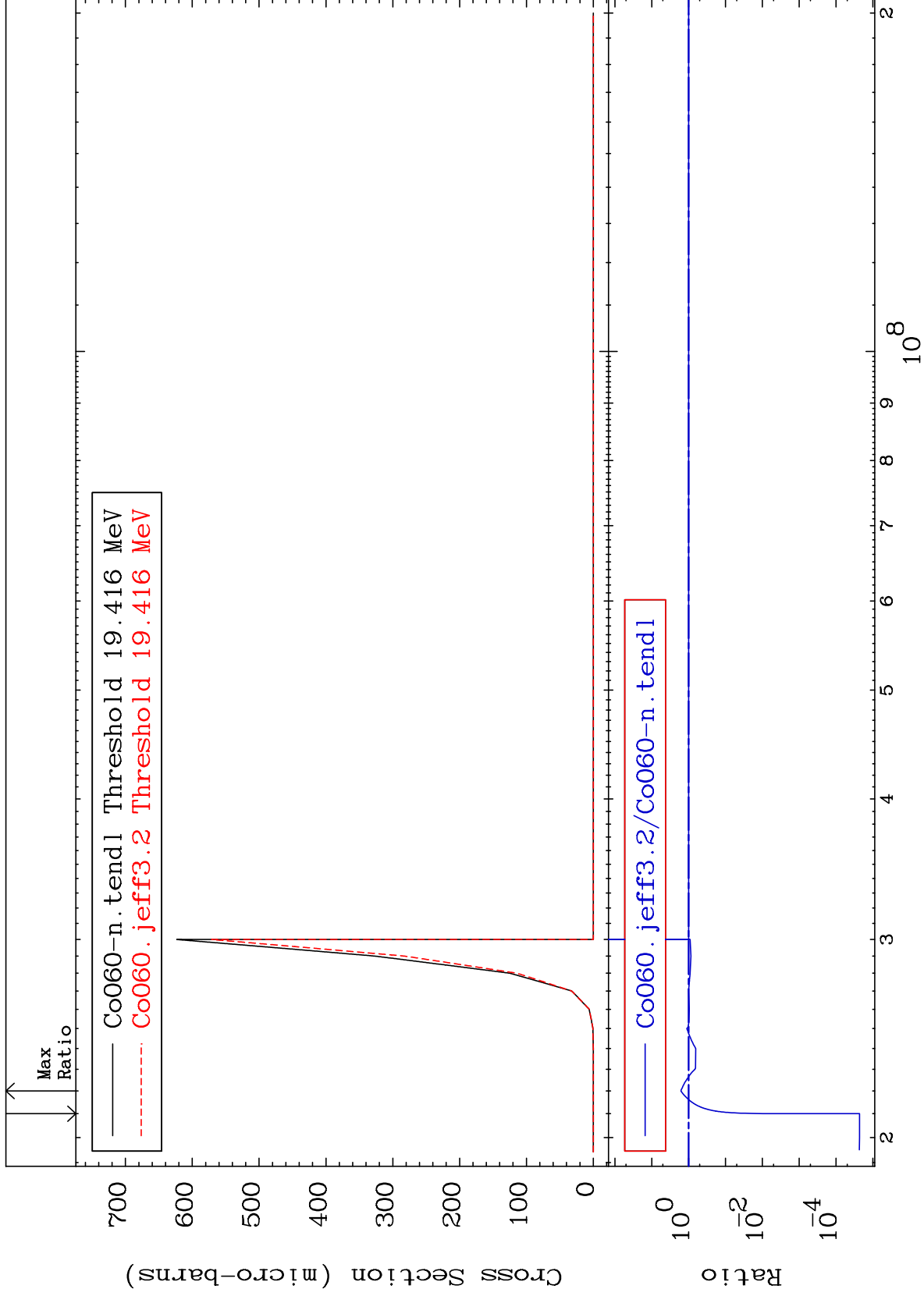
-0.841 To 0.000 %



MAT 2728

(n, n') He-3
Cross Section

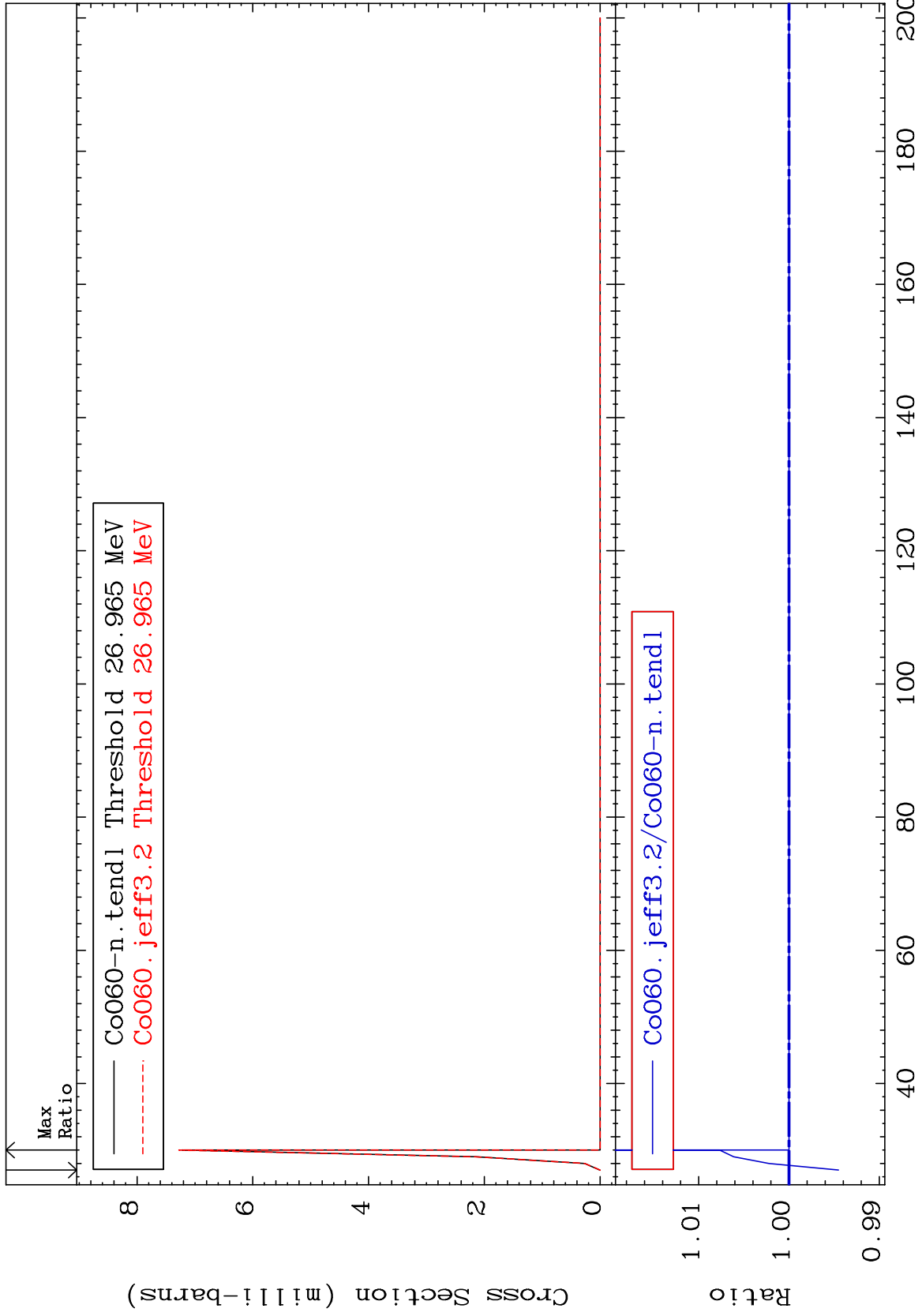
27-Co-60
-100.0 To 63.90 %



MAT 2728

(n,4n)
Cross Section

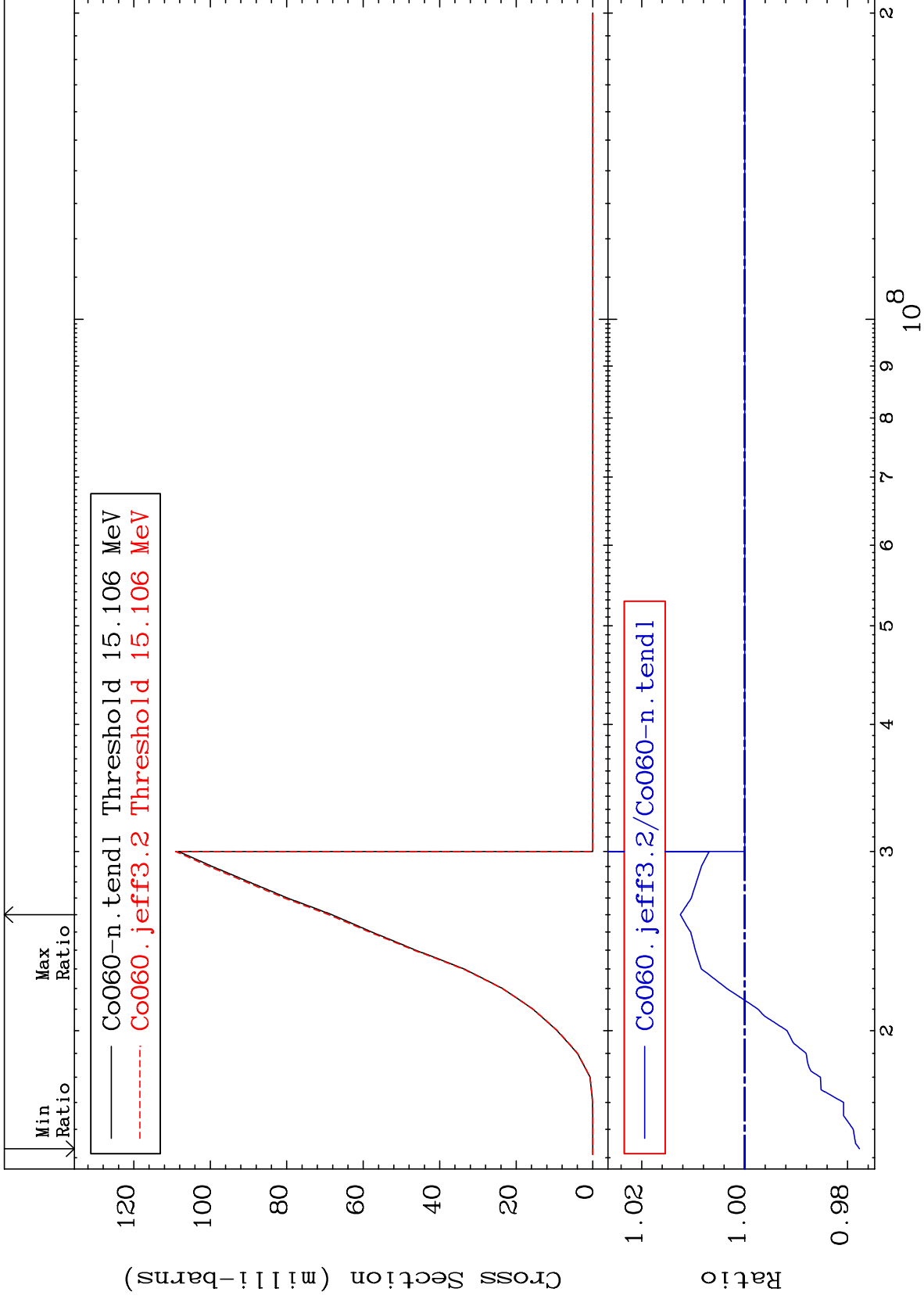
²⁷Co-60
-0.548 To 0.770 %



MAT 2728

(n,2n) p
Cross Section

²⁷Co-60
-2.230 To 1.249 %



16

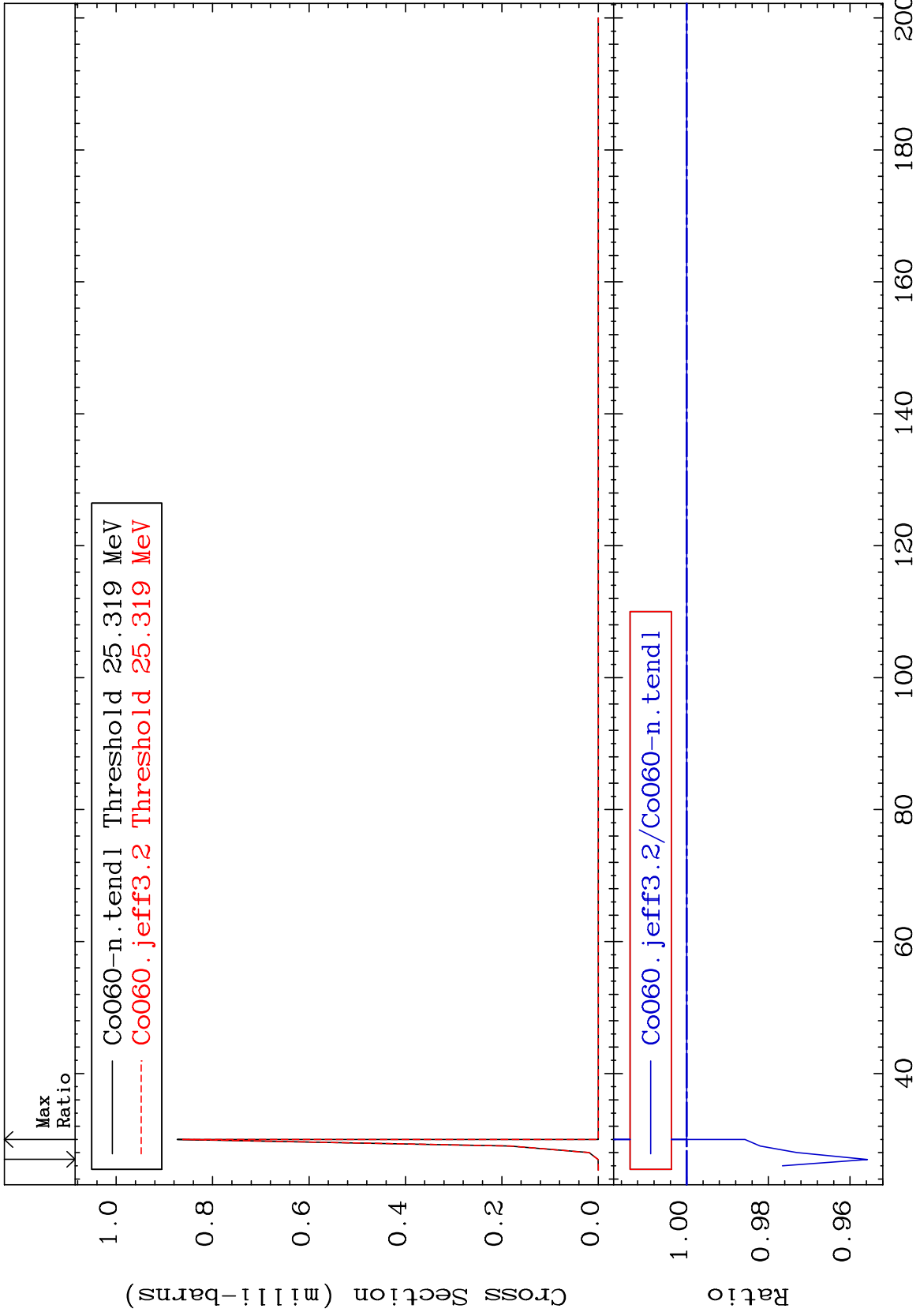
Incident Energy (eV)

²⁷Co-60

MAT 2728

(n,3n) p
Cross Section

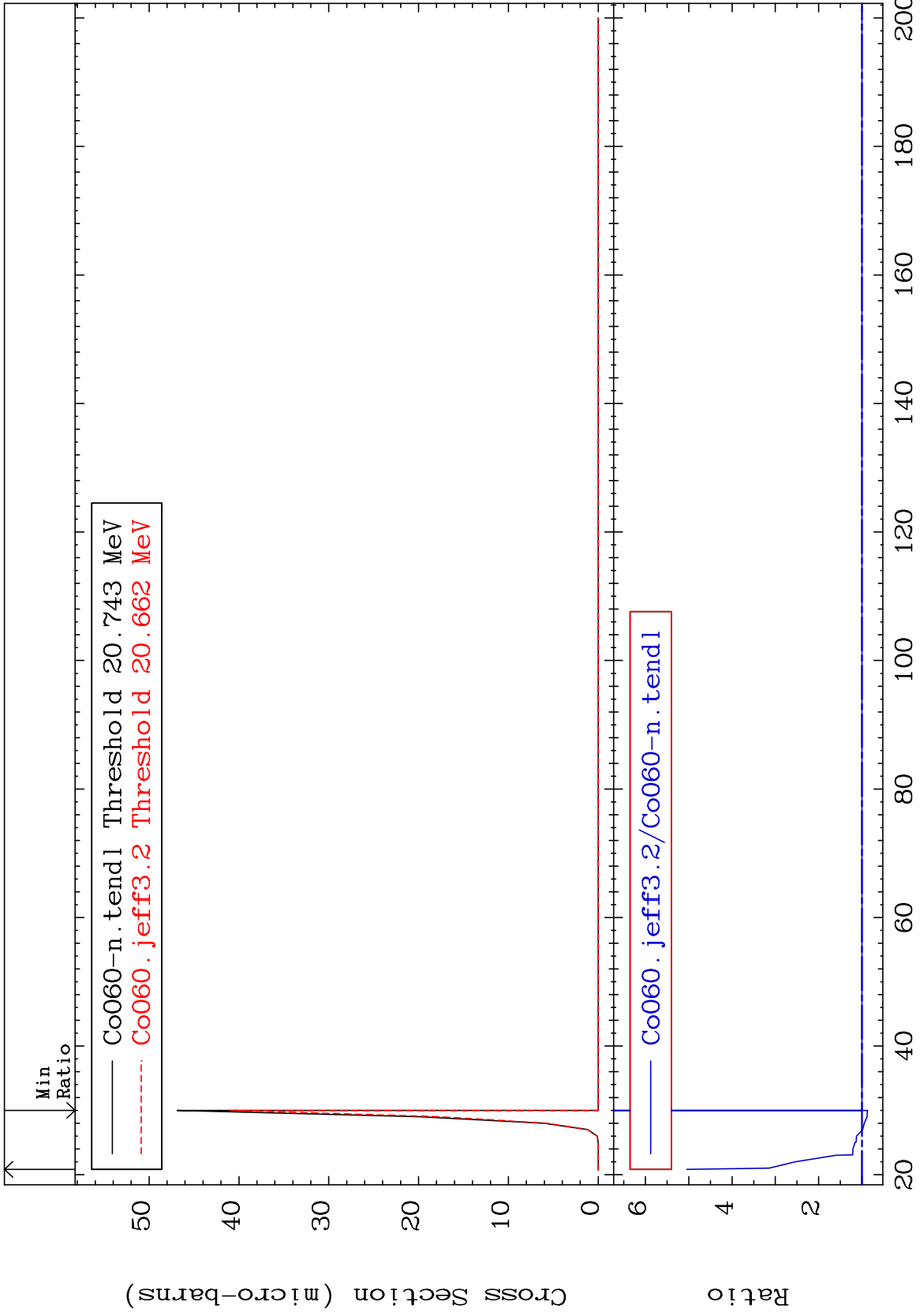
²⁷Co-60
-4.426 To 0.000 %



MAT 2728

(n,2n) p
Cross Section

²⁷Co-60
-12.65 To 404.8 %



18

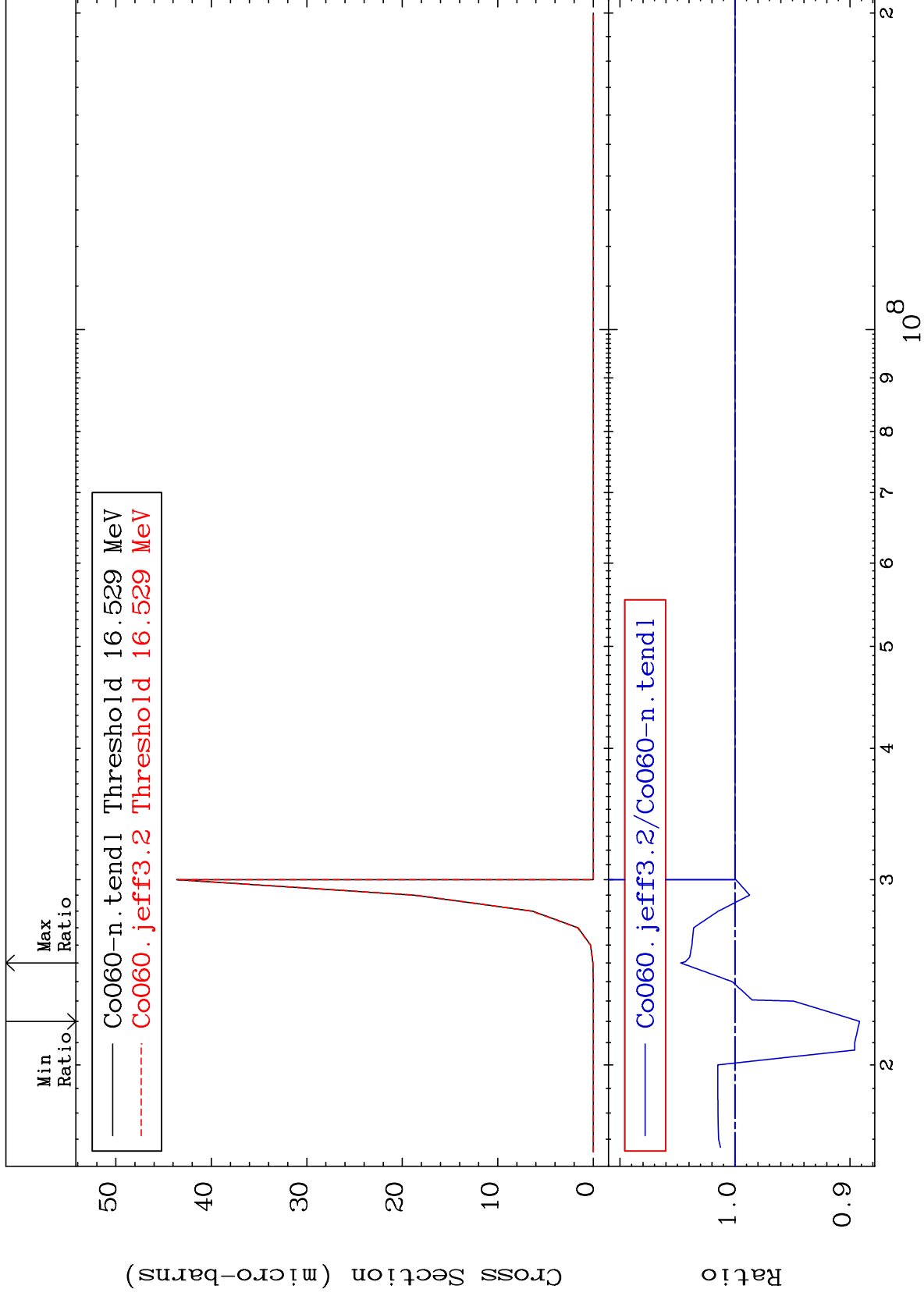
Incident Energy (MeV)

²⁷Co-60

MAT 2728

(n,n') p α
Cross Section

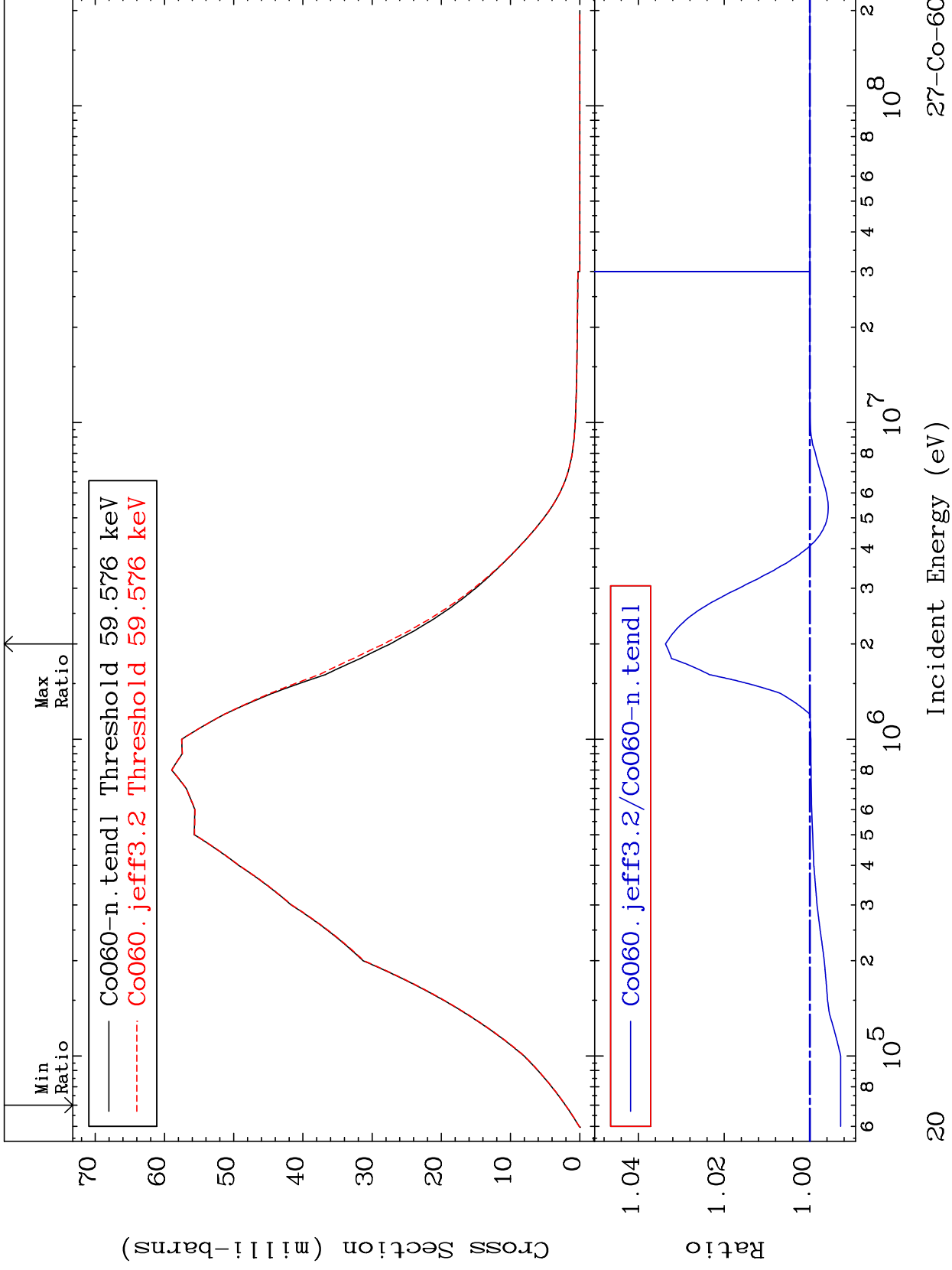
27-Co-60
-10.84 To 4.714 %



MAT 2728

58.59 keV (n,n') Level
Cross Section

27-Co-60
-0.720 To 3.368 %



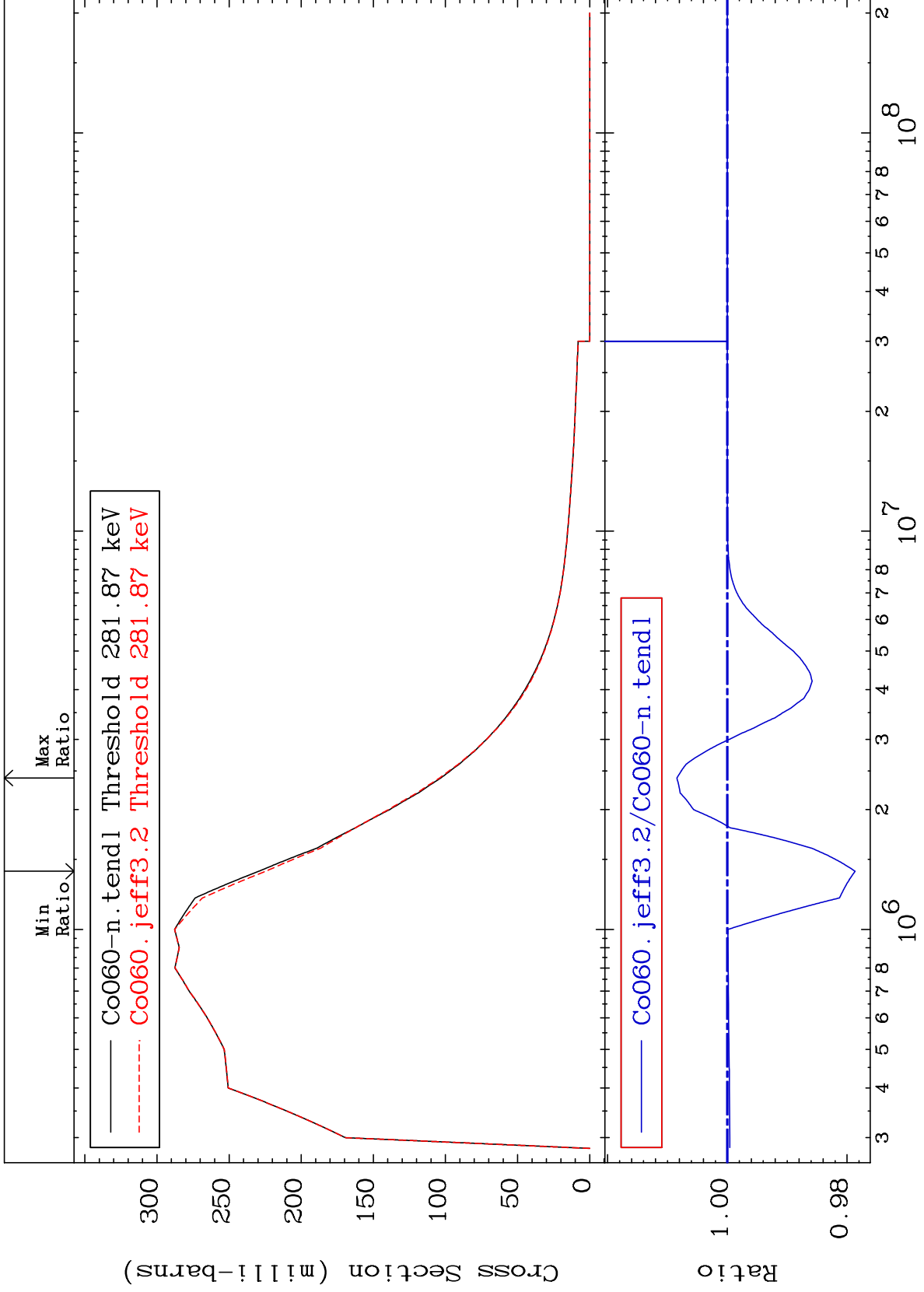
20

27-Co-60

MAT 2728

277.2 keV (n,n') Level
Cross Section

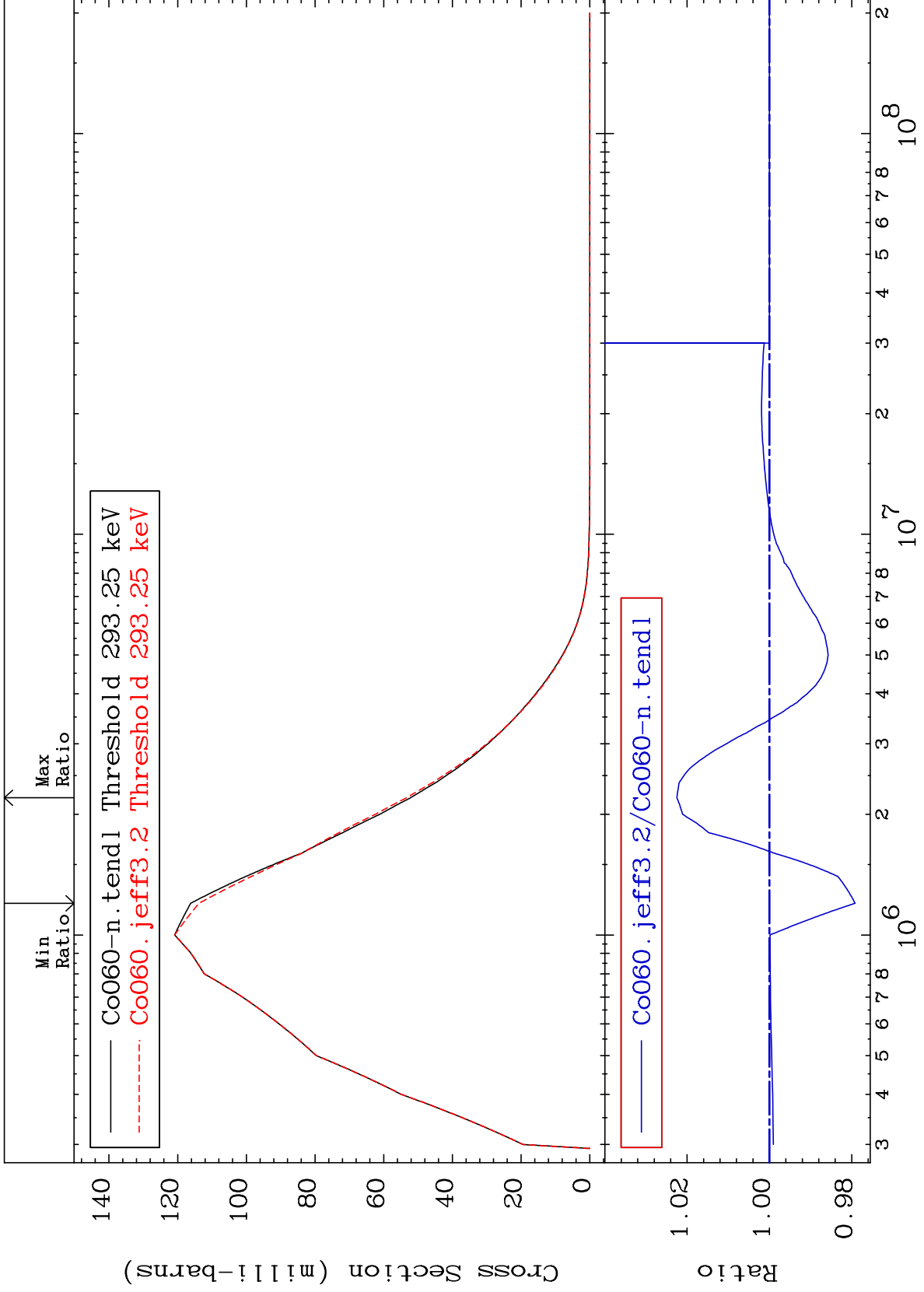
27-Co-60
-2.135 To 0.842 %



MAT 2728

288.4 keV (n,n') Level
Cross Section

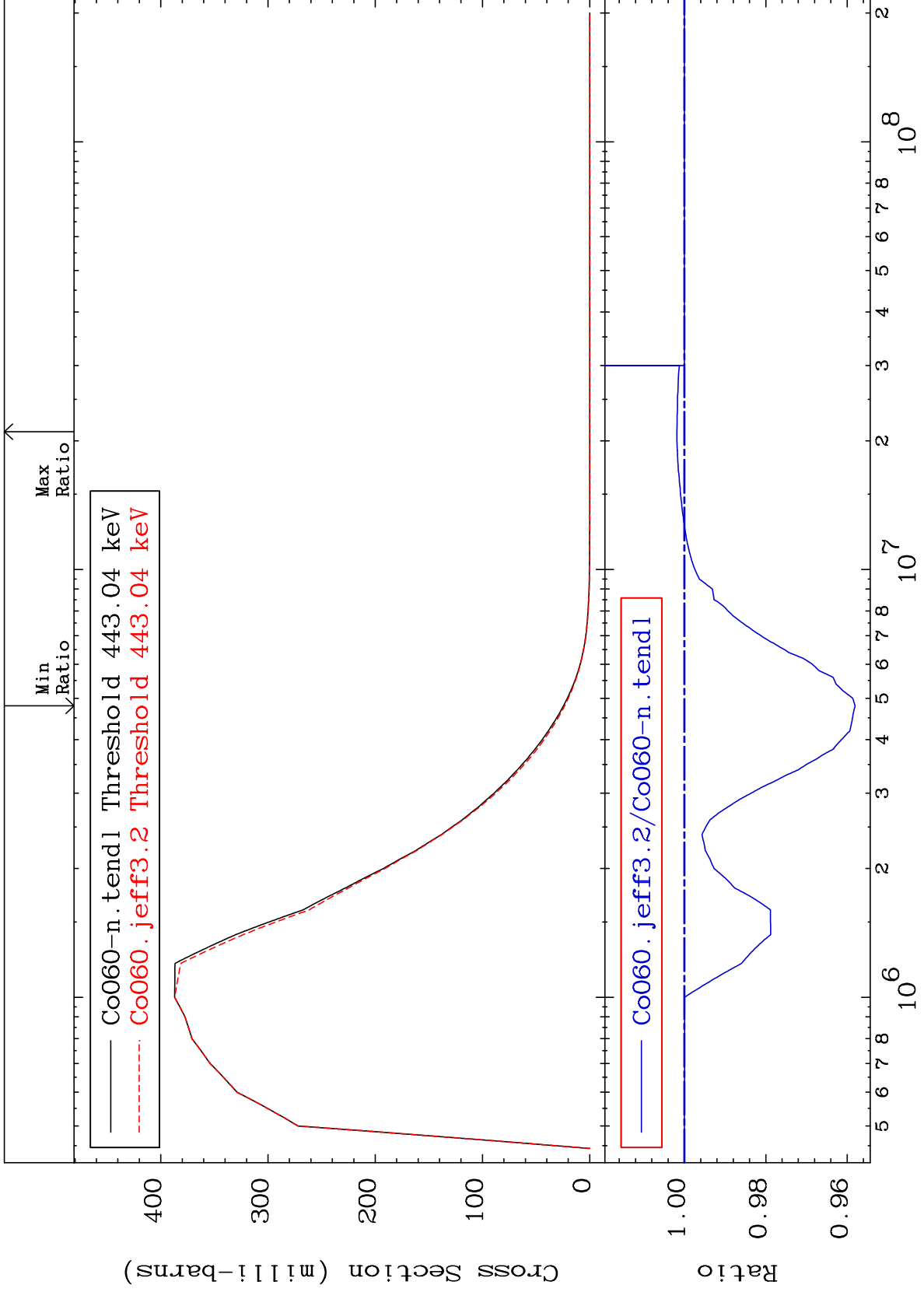
27-Co-60
-2.082 To 2.248 %



MAT 2728

435.7 keV (n,n') Level
Cross Section

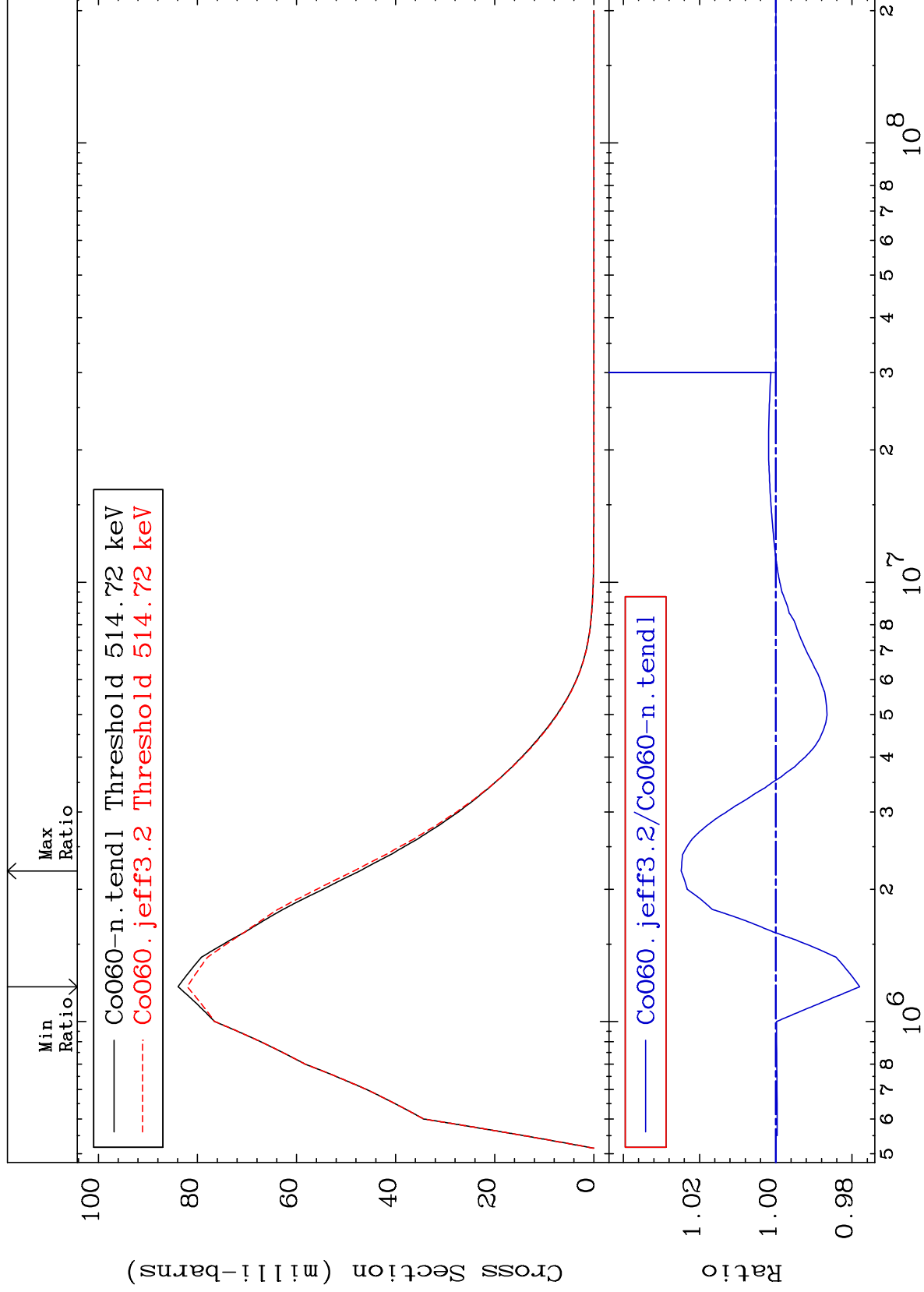
27-Co-60
-4.195 To 0.184 %



MAT 2728

506.2 keV (n,n') Level
Cross Section

27-Co-60
-2.200 To 2.483 %



24

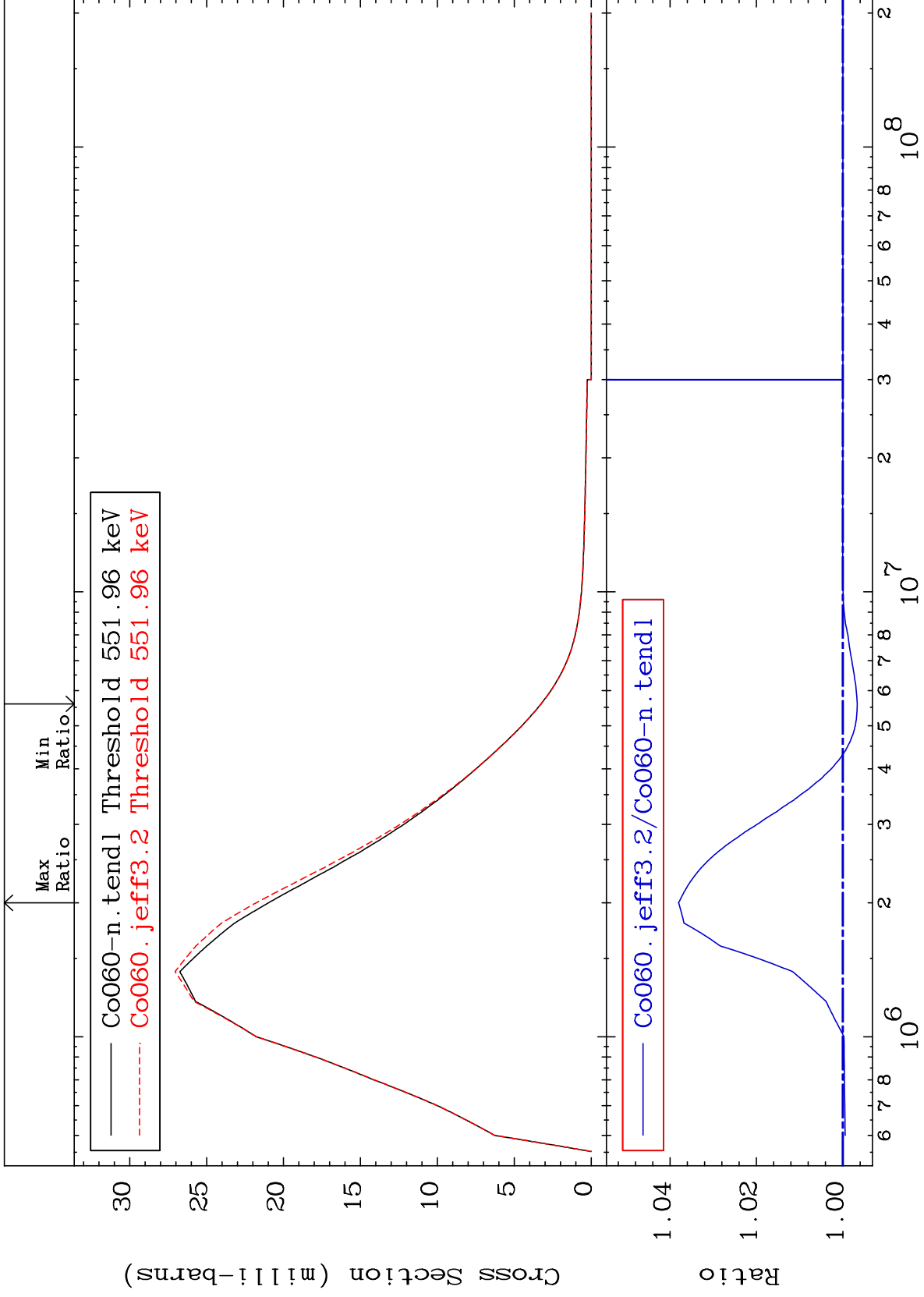
Incident Energy (eV)

27-Co-60

MAT 2728

542.8 keV (n,n') Level
Cross Section

27-Co-60
-0.335 To 3.801 %



25

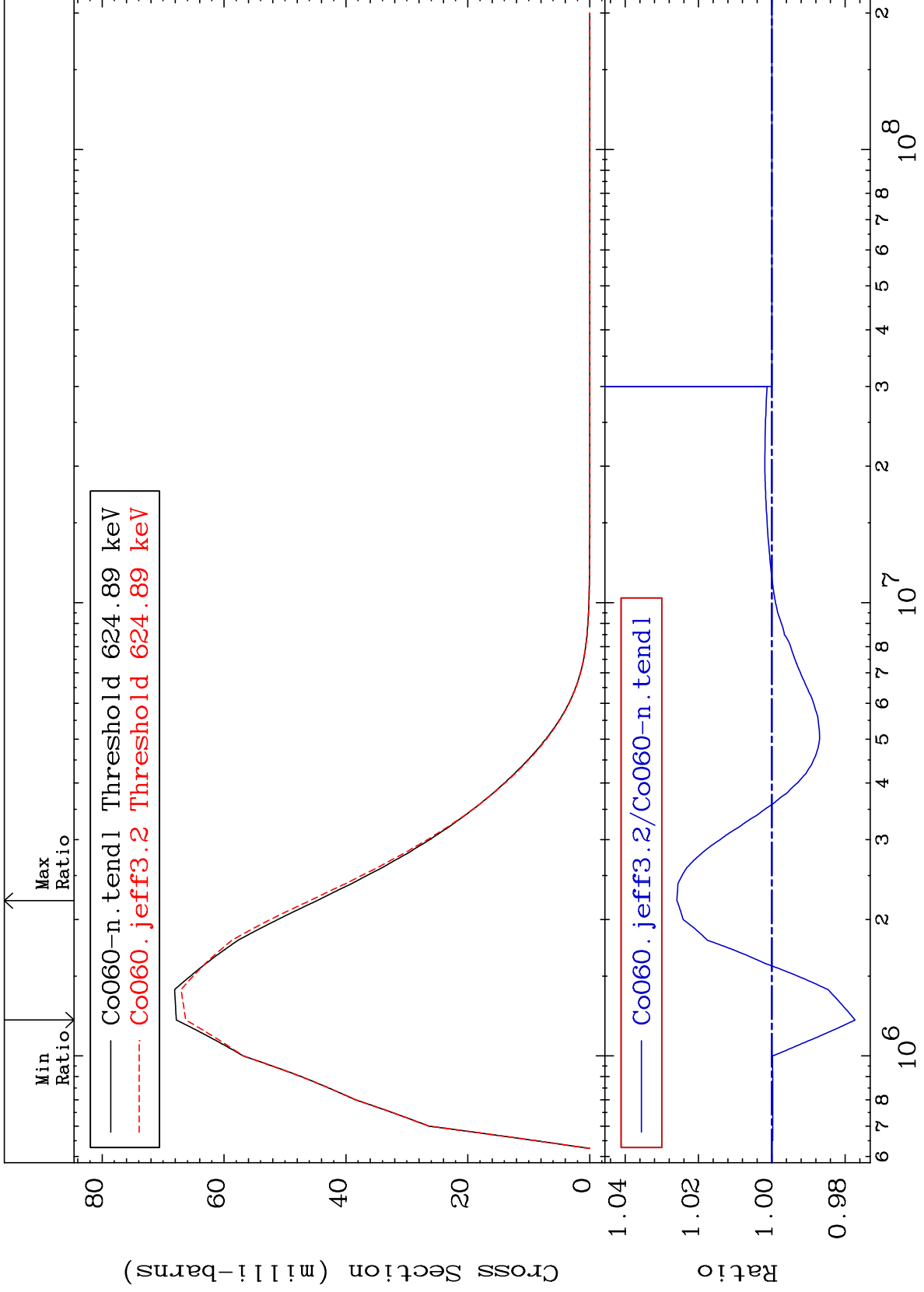
Incident Energy (eV)

27-Co-60

MAT 2728

614.6 keV (n,n') Level
Cross Section

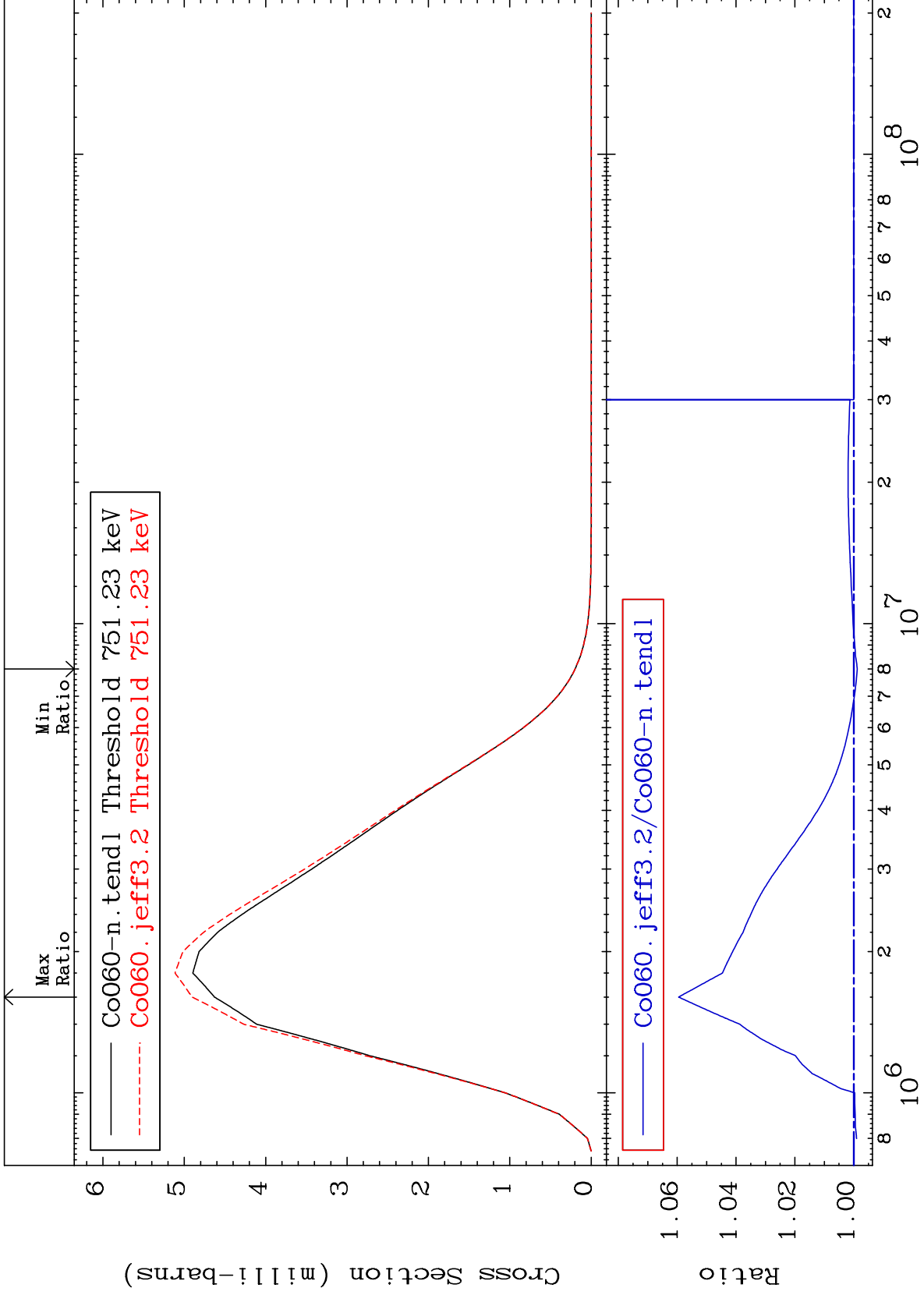
27-Co-60
-2.273 To 2.588 %



MAT 2728

738.8 keV (n,n') Level
Cross Section

27-Co-60
-0.119 To 5.951 %



27

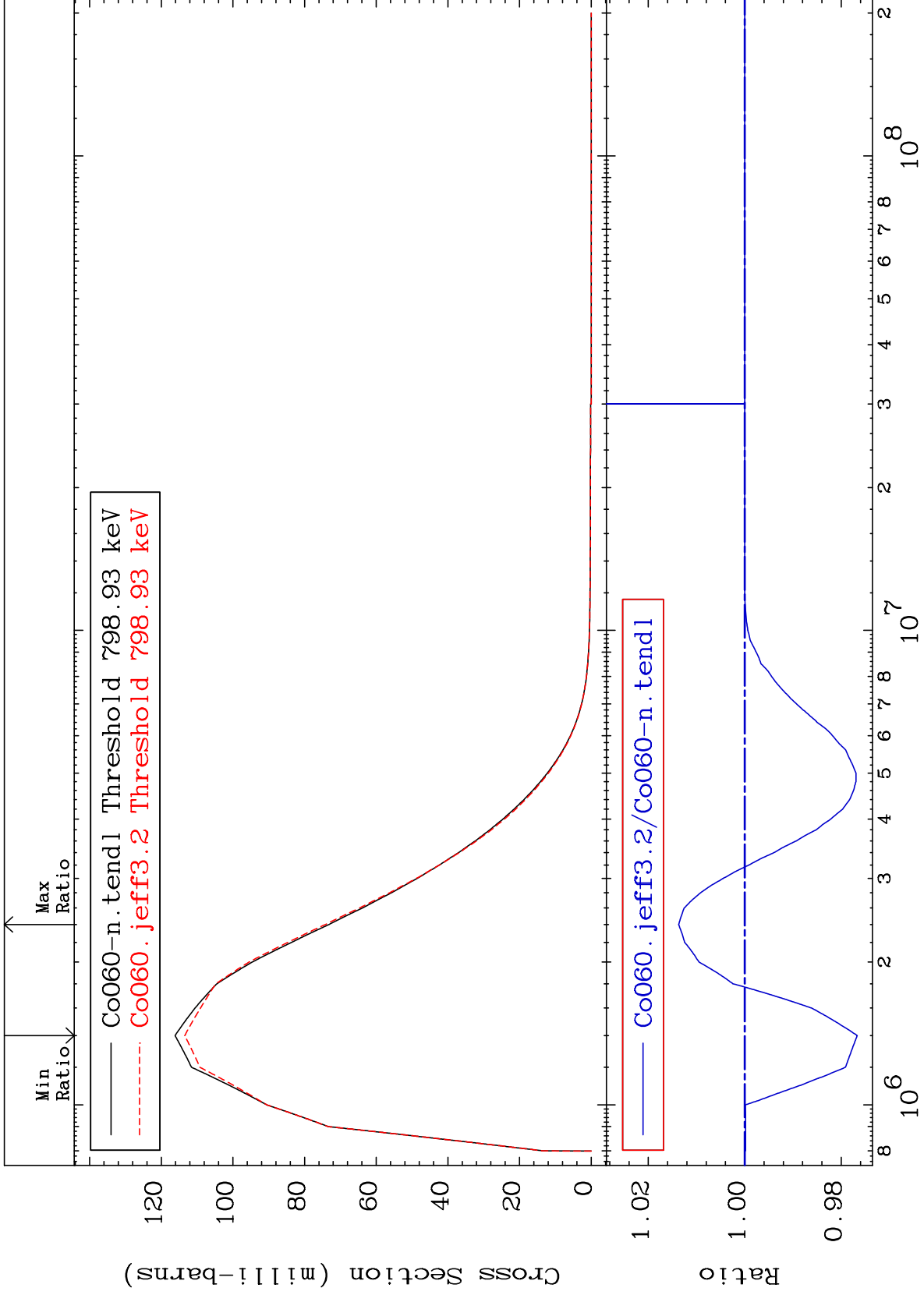
Incident Energy (eV)

27-Co-60

MAT 2728

785.7 keV (n,n') Level
Cross Section

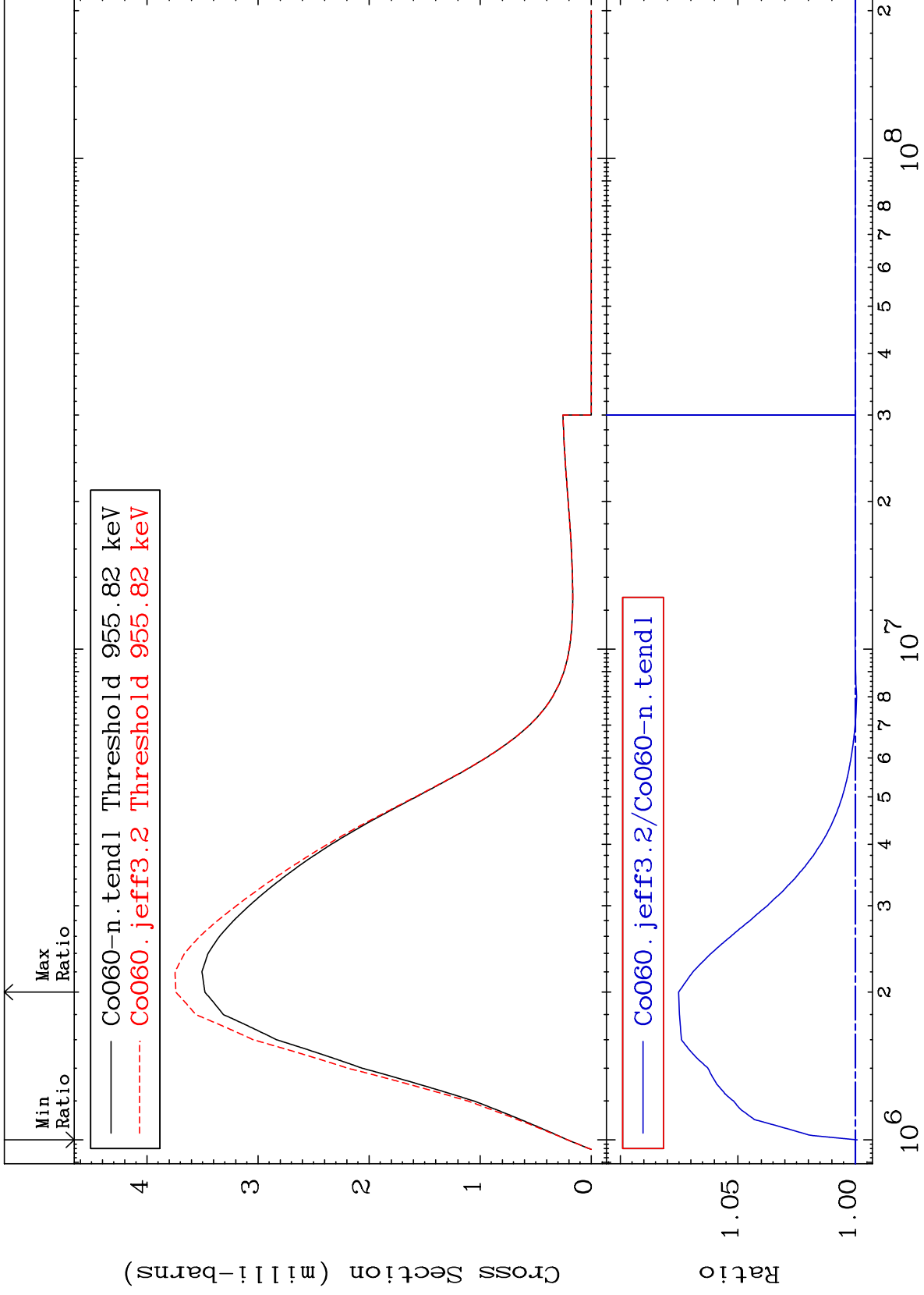
27-Co-60
-2.333 To 1.371 %



MAT 2728

940.0 keV (n,n') Level
Cross Section

27-Co-60
-0.080 To 7.519 %



29

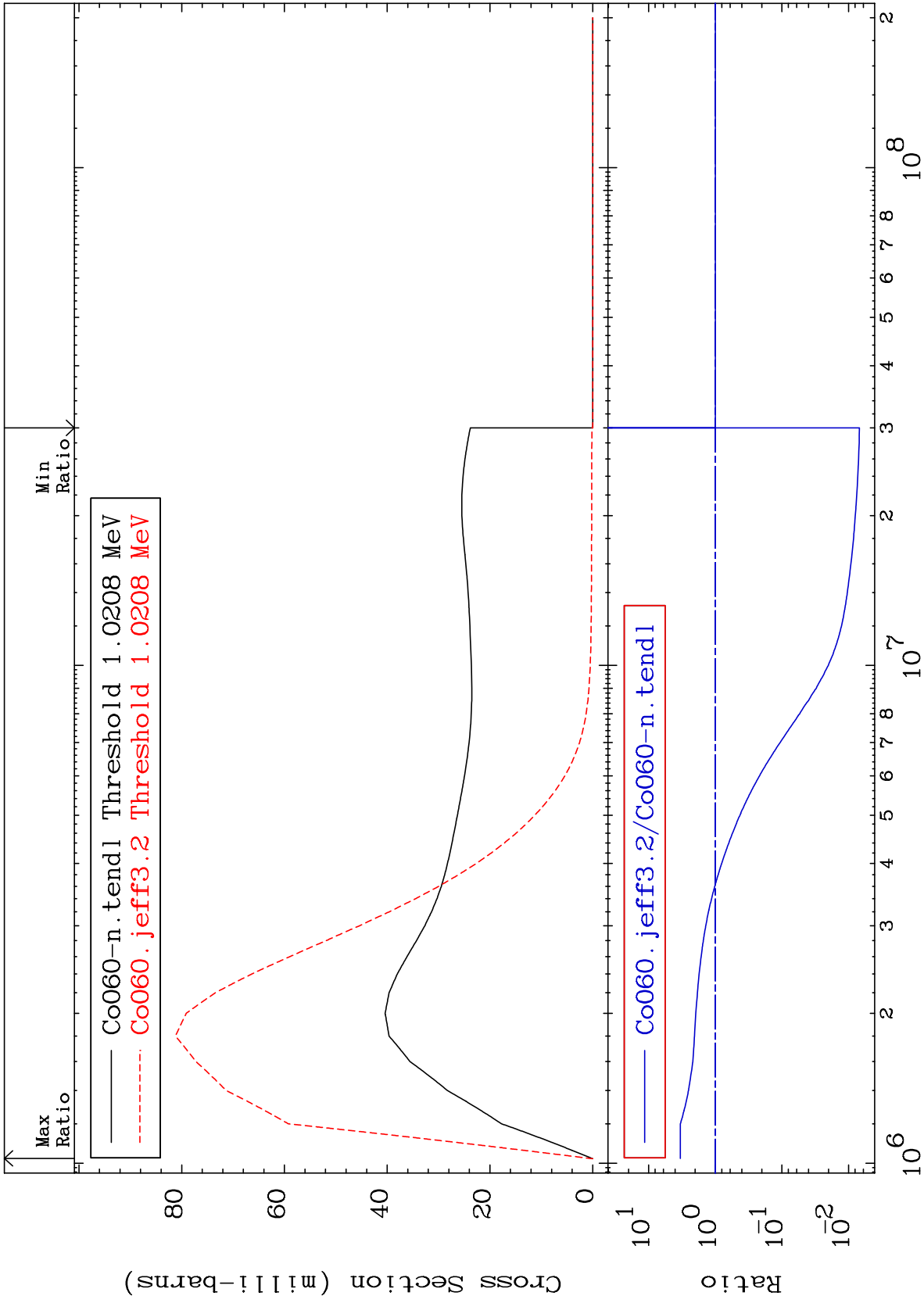
Incident Energy (eV)

27-Co-60

MAT 2728

1.004 MeV (n,n') Level
Cross Section

27-Co-60
-99.31 To 234.0 %



30

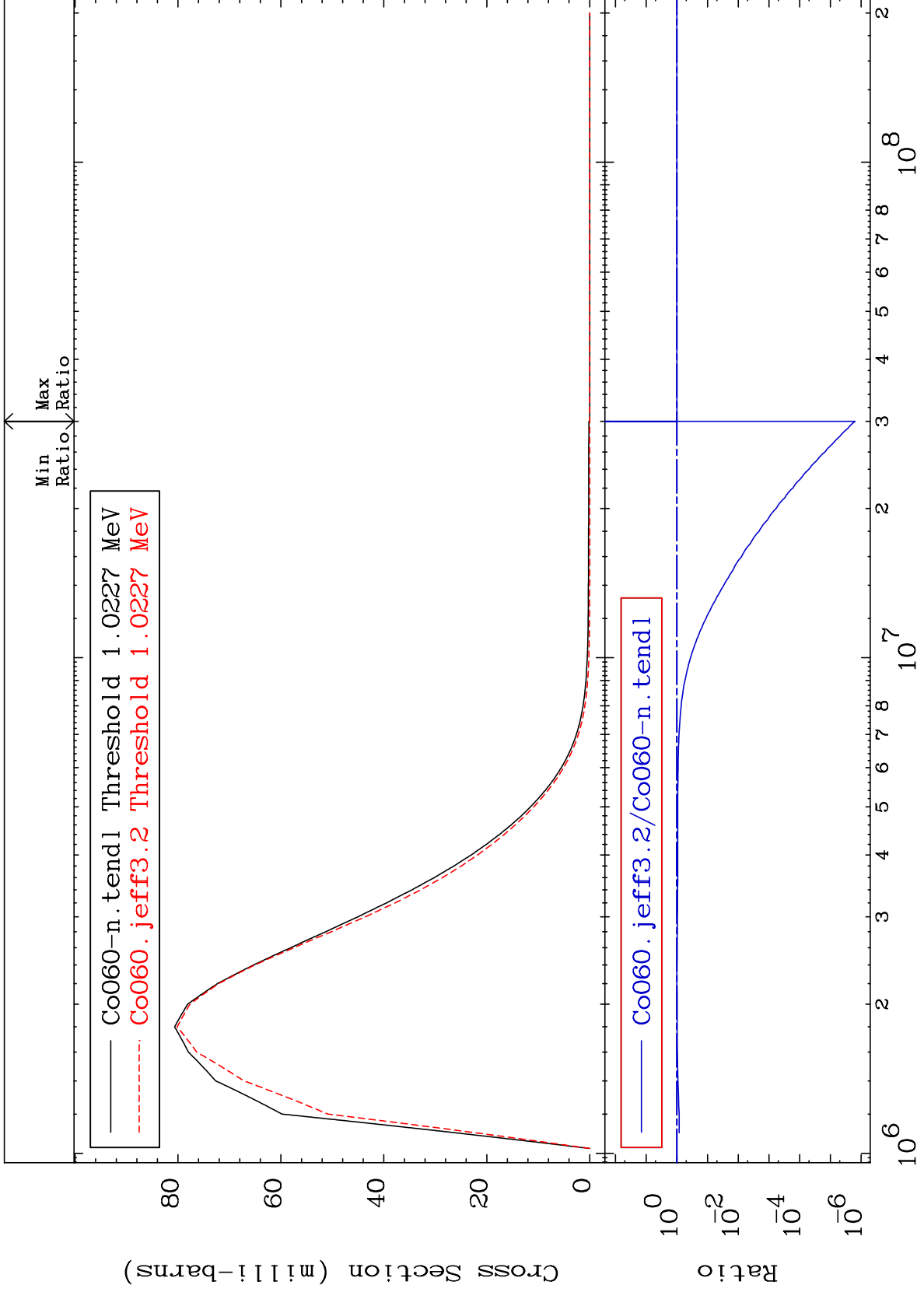
Incident Energy (eV)

27-Co-60

MAT 2728

1.006 MeV (n,n') Level
Cross Section

27-Co-60
-100.0 To 0.000 %



31

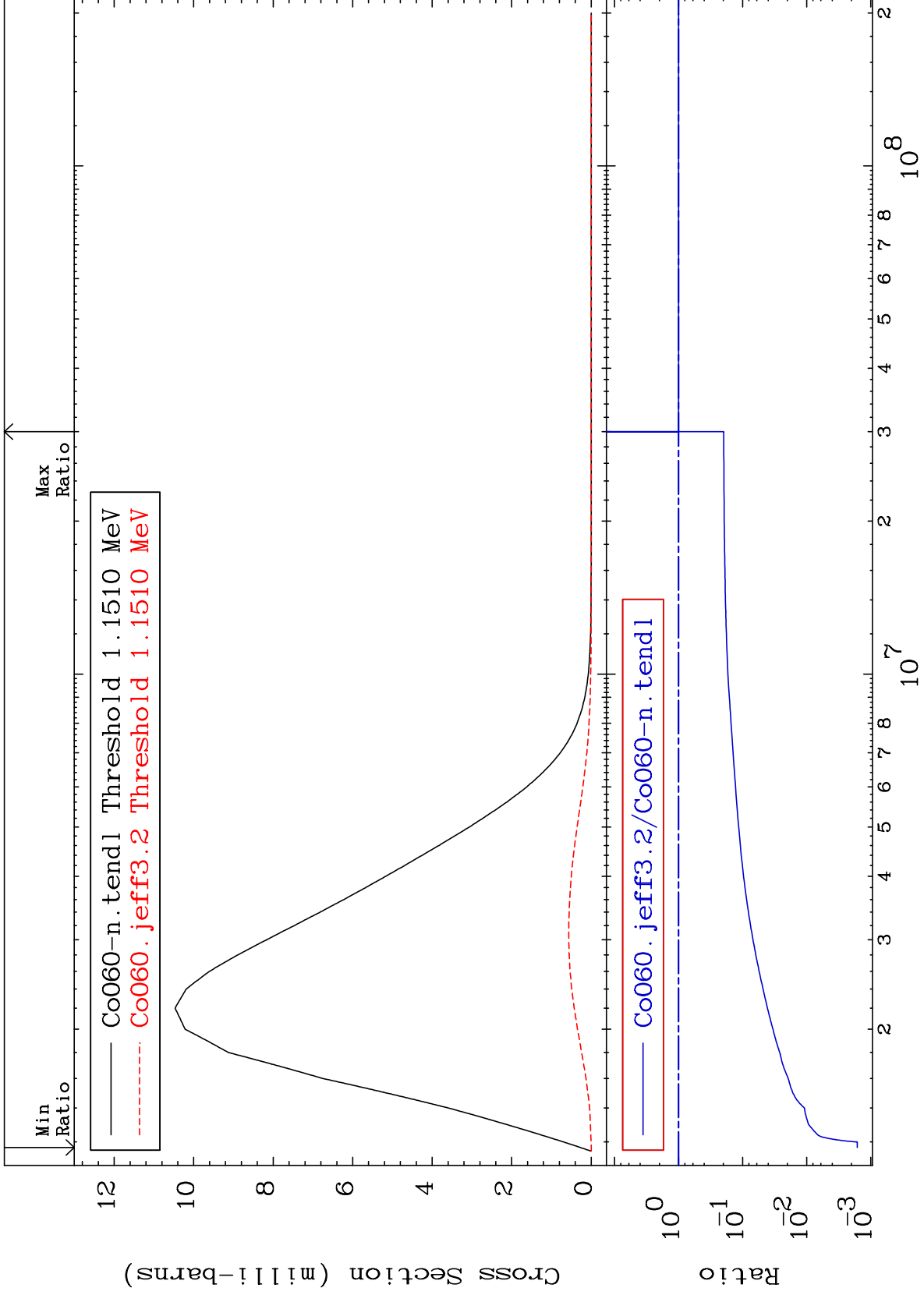
Incident Energy (eV)

27-Co-60

MAT 2728

1.132 MeV (n,n') Level
Cross Section

27-Co-60
-99.84 To 0.000 %



32

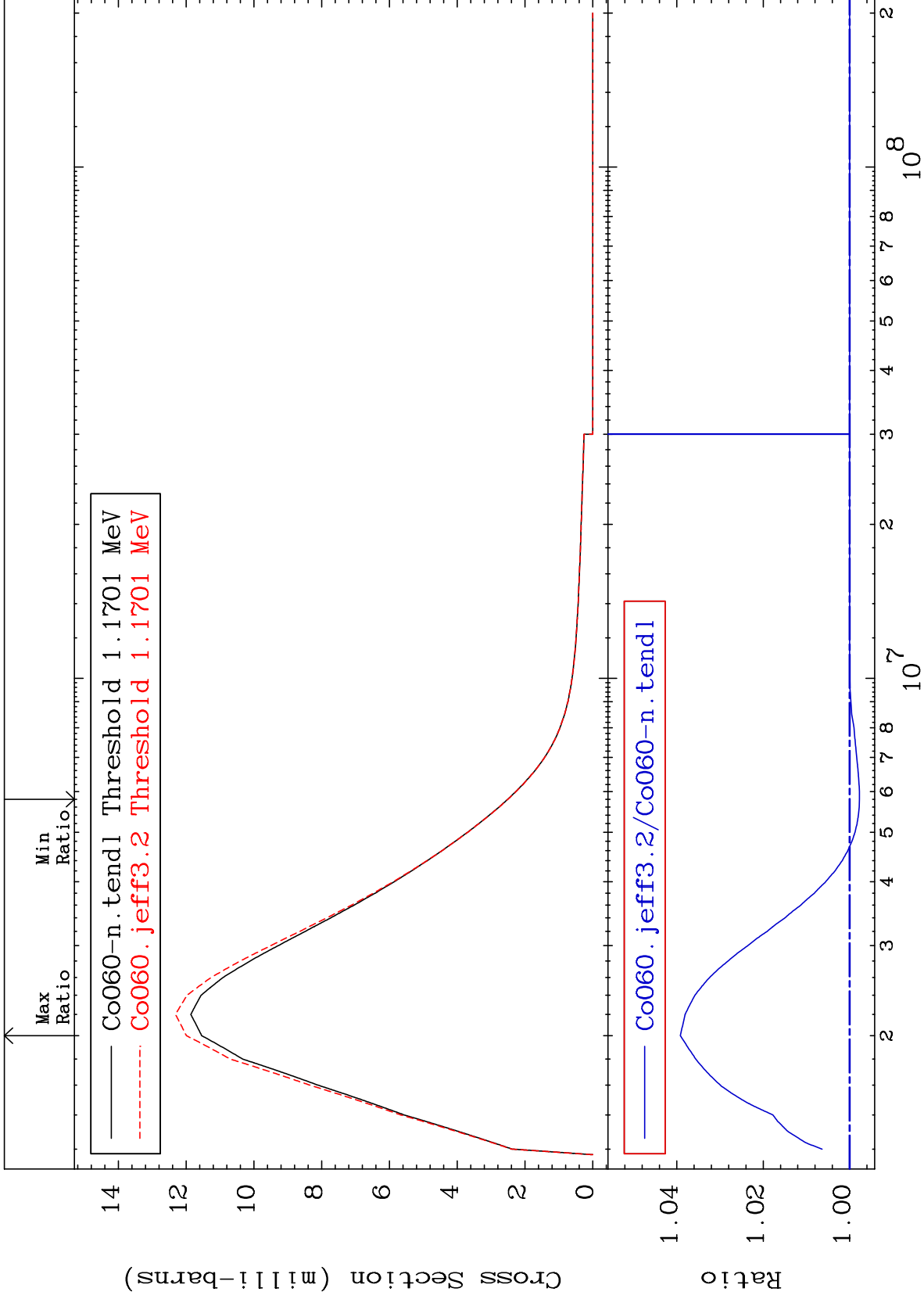
Incident Energy (eV)

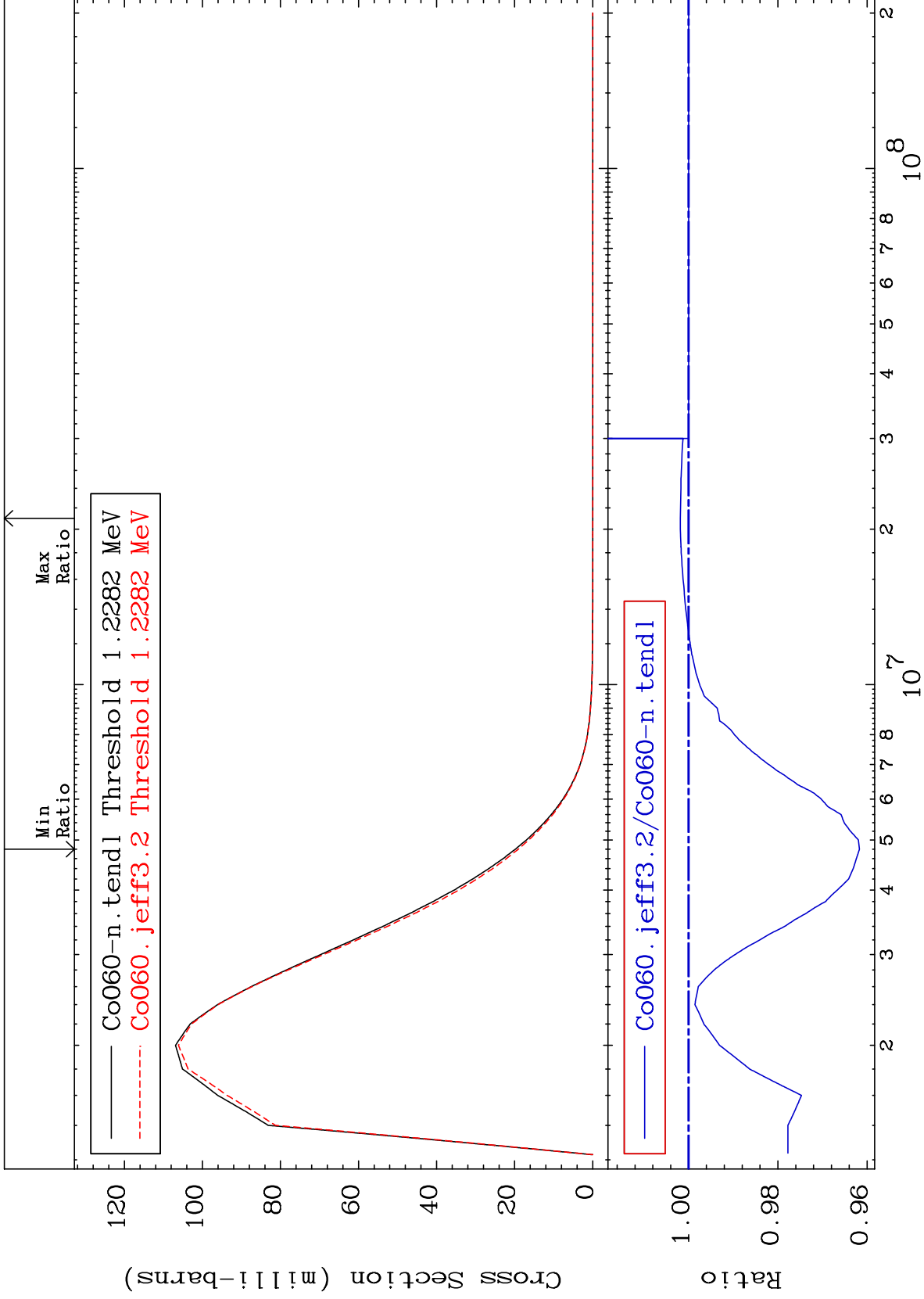
27-Co-60

MAT 2728

1.151 MeV (n,n') Level
Cross Section

27-Co-60
-0.226 To 3.917 %





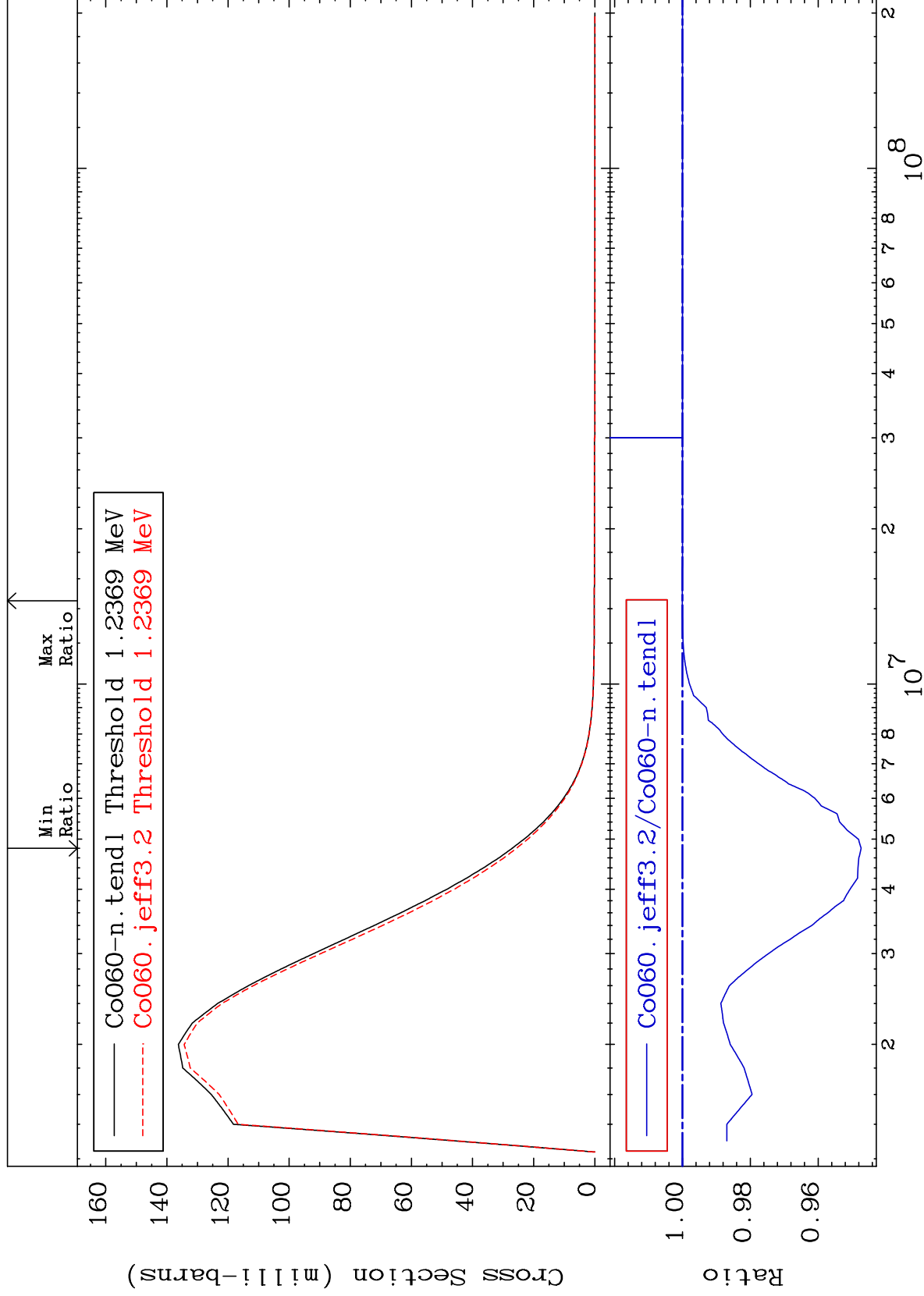
MAT 2728

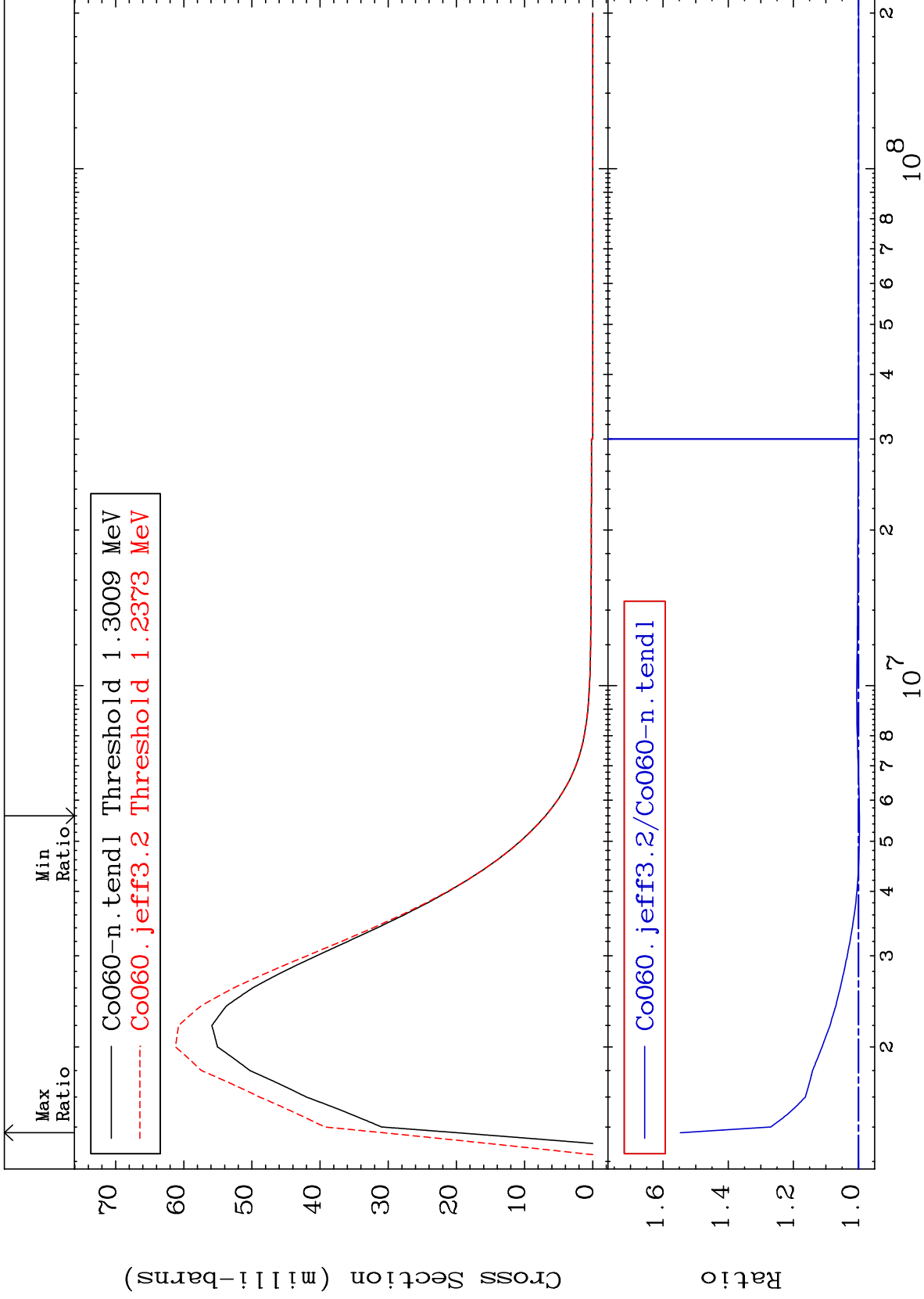
1.216 MeV (n,n') Level

²⁷Co-60

-5.267 To 0.003 %

Cross Section

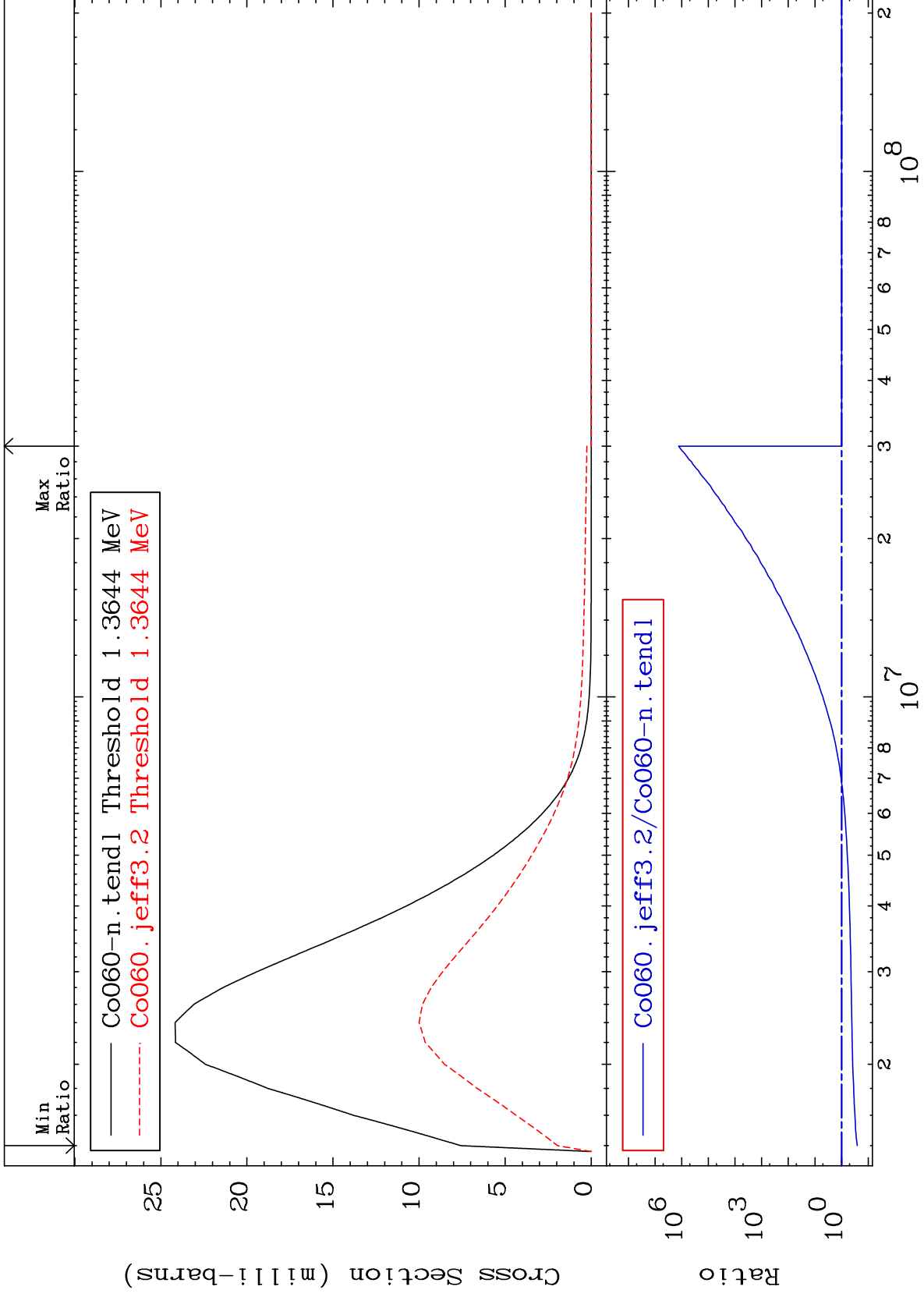


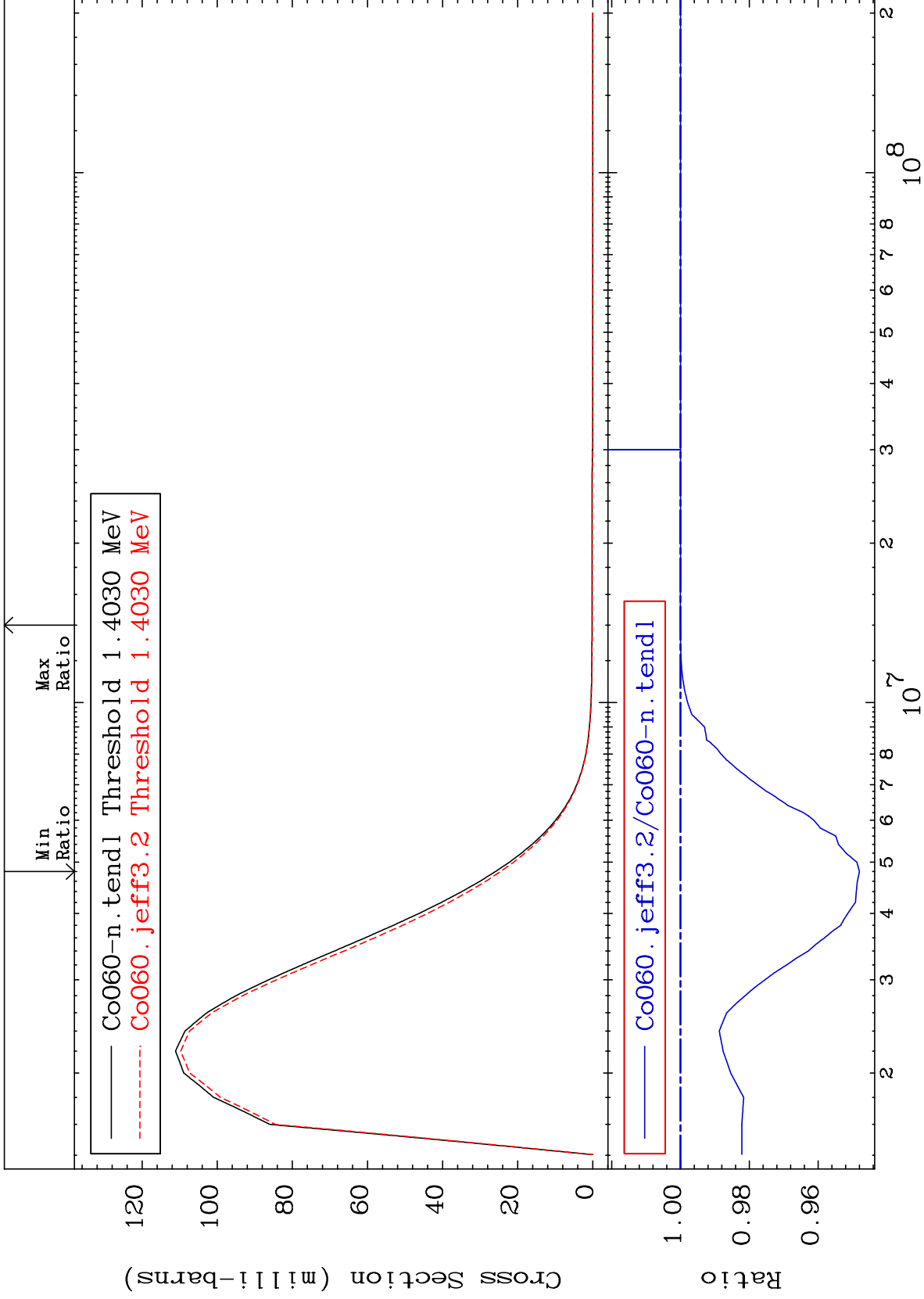


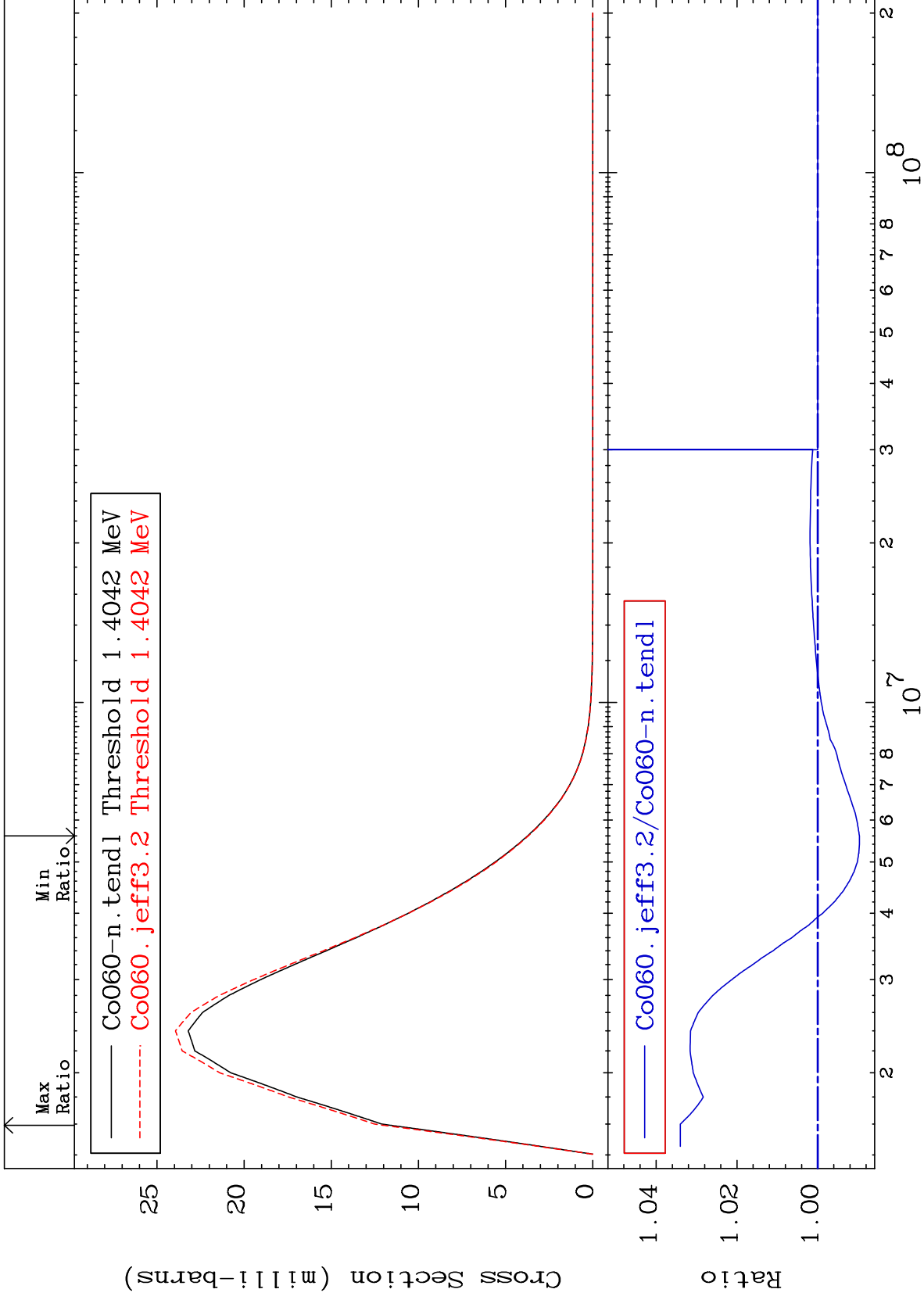
MAT 2728

1.342 MeV (n,n') Level
Cross Section

27-Co-60
-74.20 To 9999. %



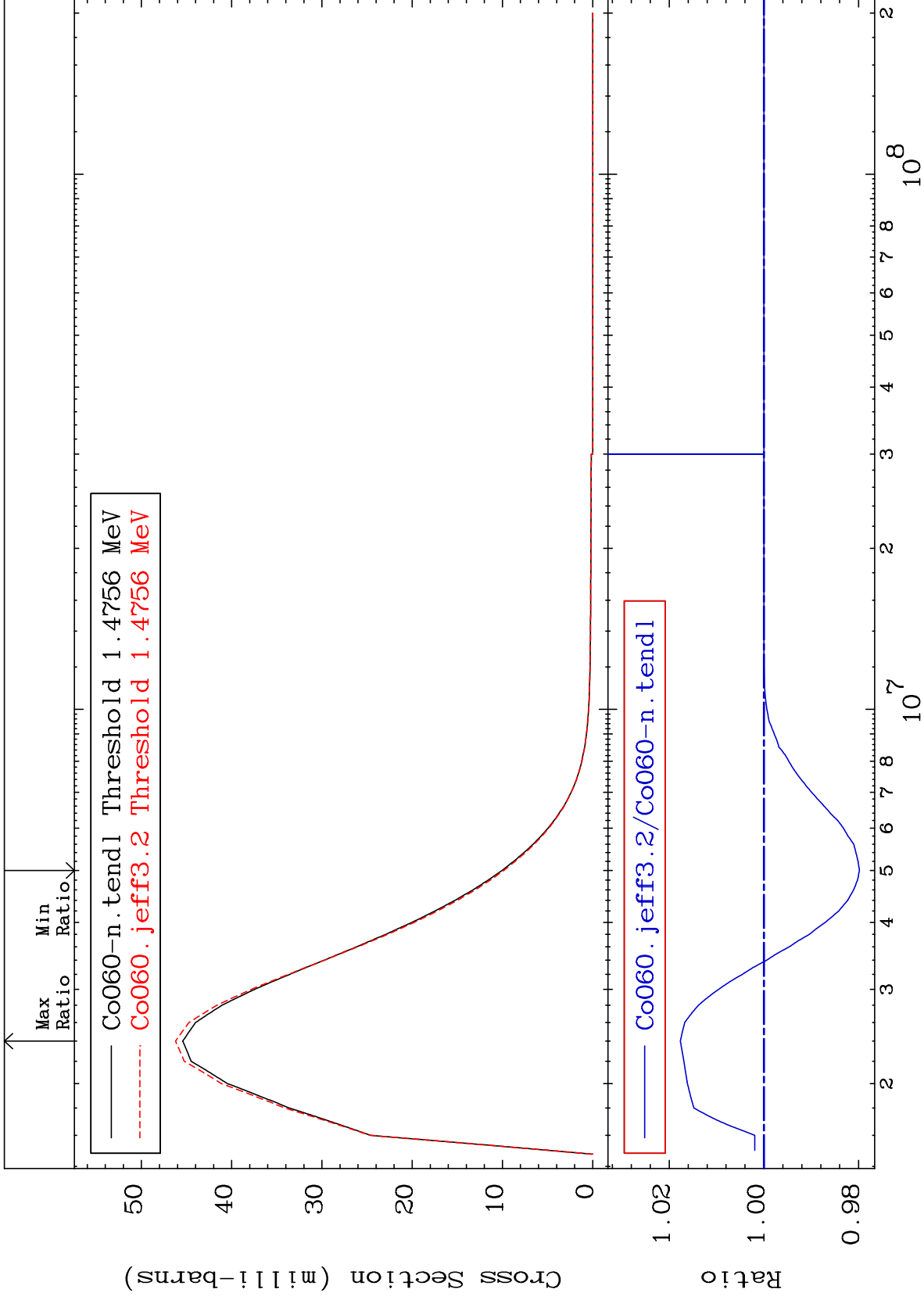




MAT 2728

1.451 MeV (n,n') Level
Cross Section

27-Co-60
-2.016 To 1.766 %



40

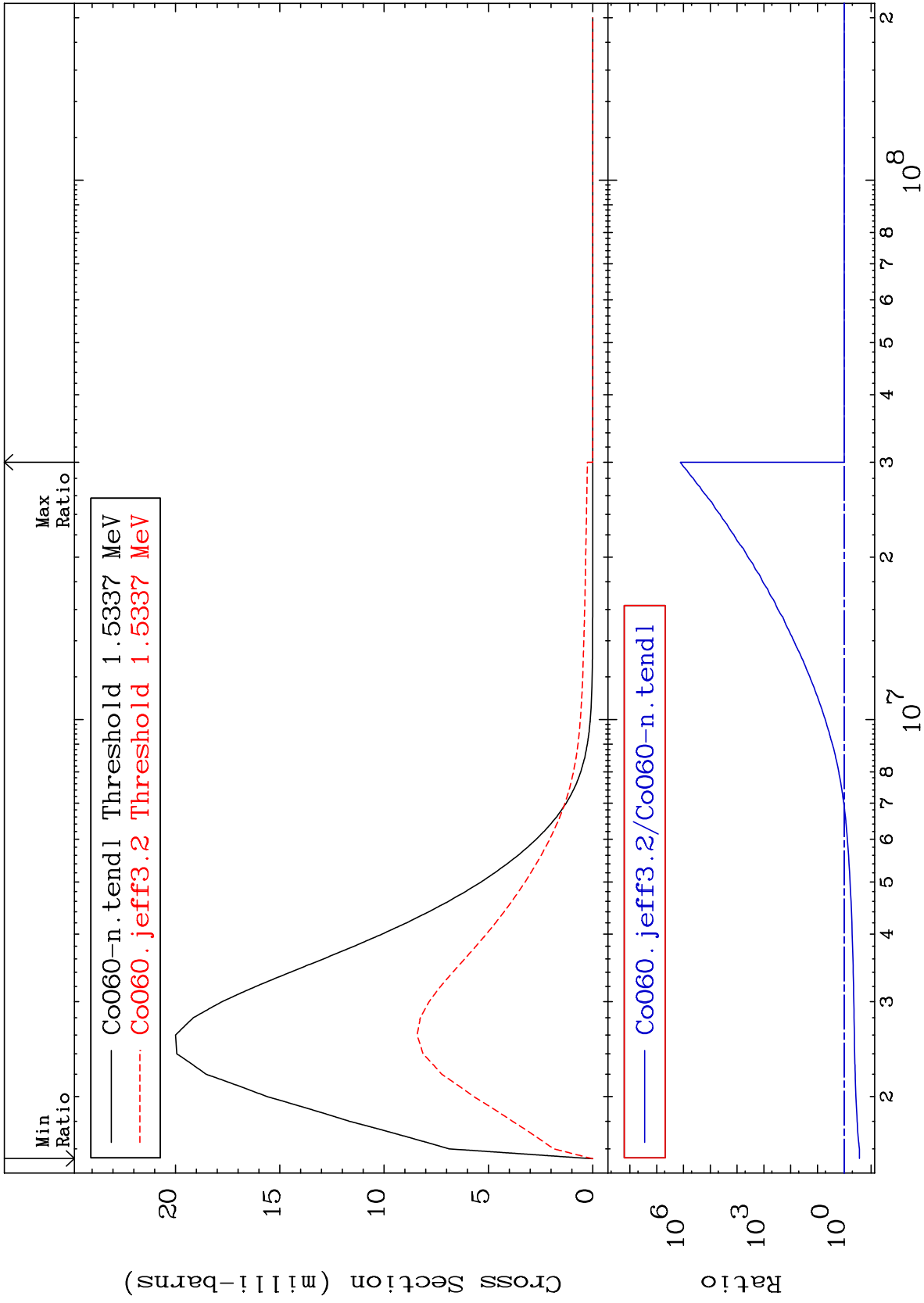
Incident Energy (eV)

27-Co-60

MAT 2728

1.508 MeV (n,n') Level
Cross Section

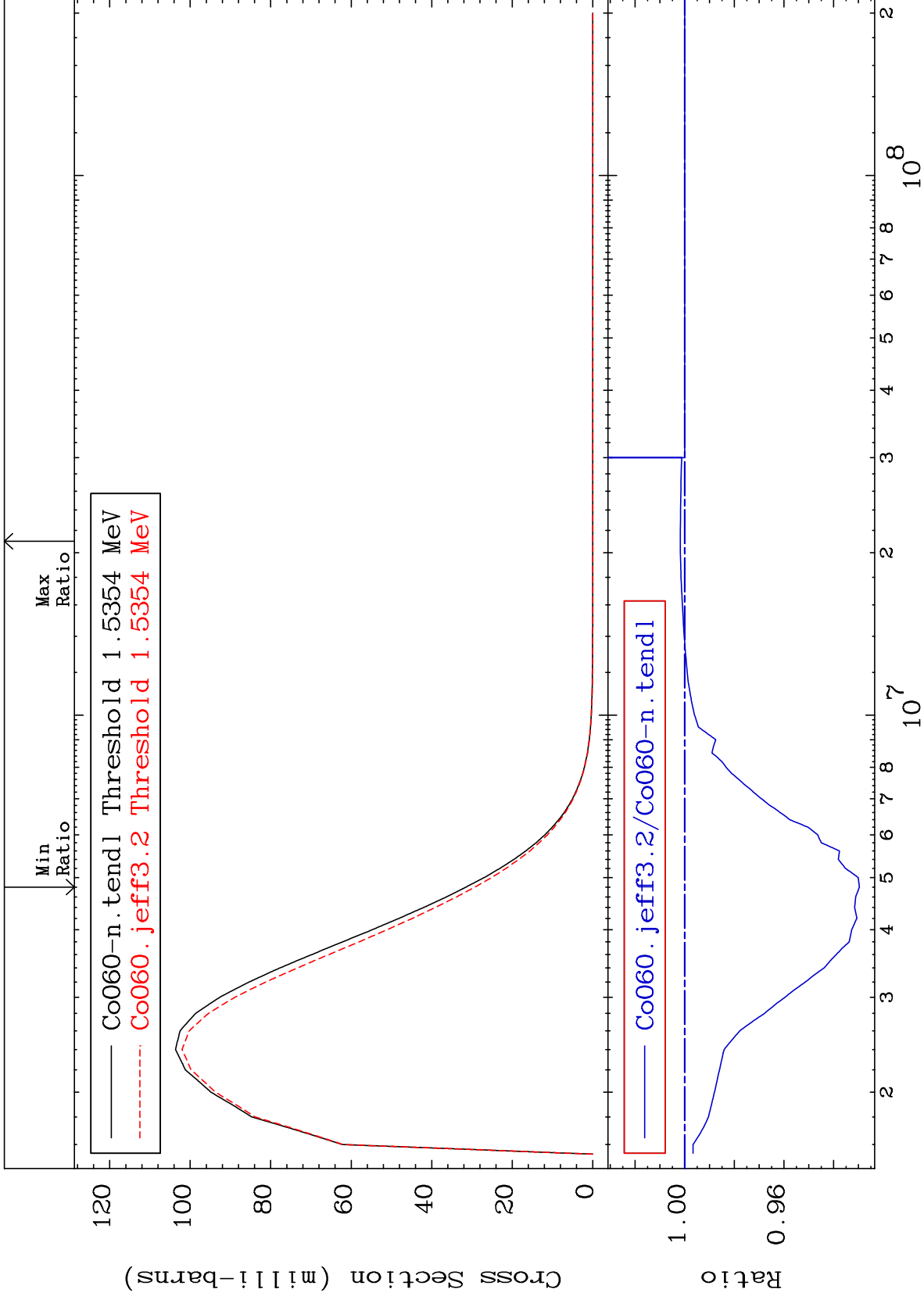
27-Co-60
-72.87 To 9999. %



MAT 2728

1.510 MeV (n,n') Level
Cross Section

27-Co-60
-7.038 To 0.177 %



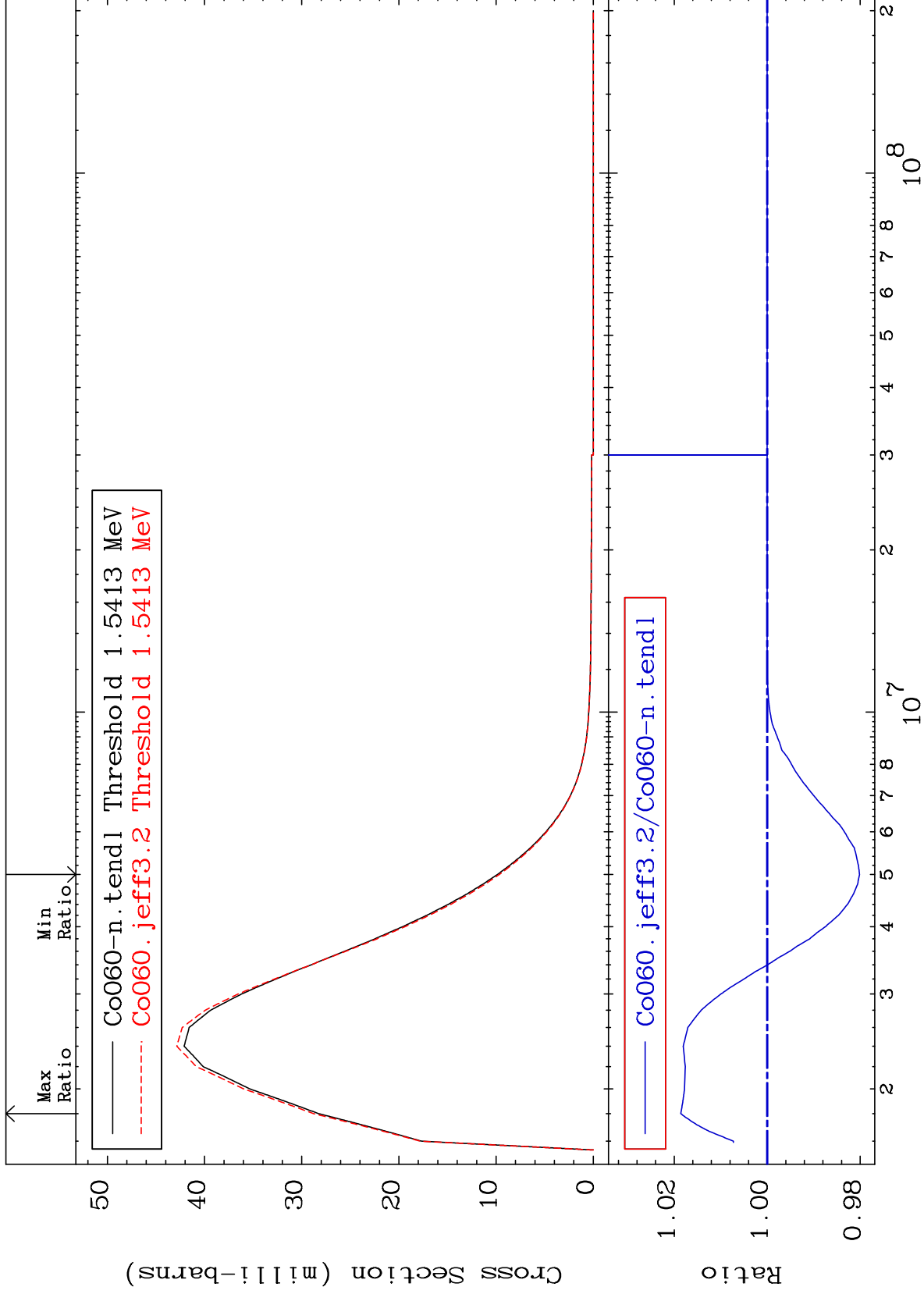
42

27-Co-60

MAT 2728

1.516 MeV (n,n') Level
Cross Section

27-Co-60
-1.986 To 1.859 %



43

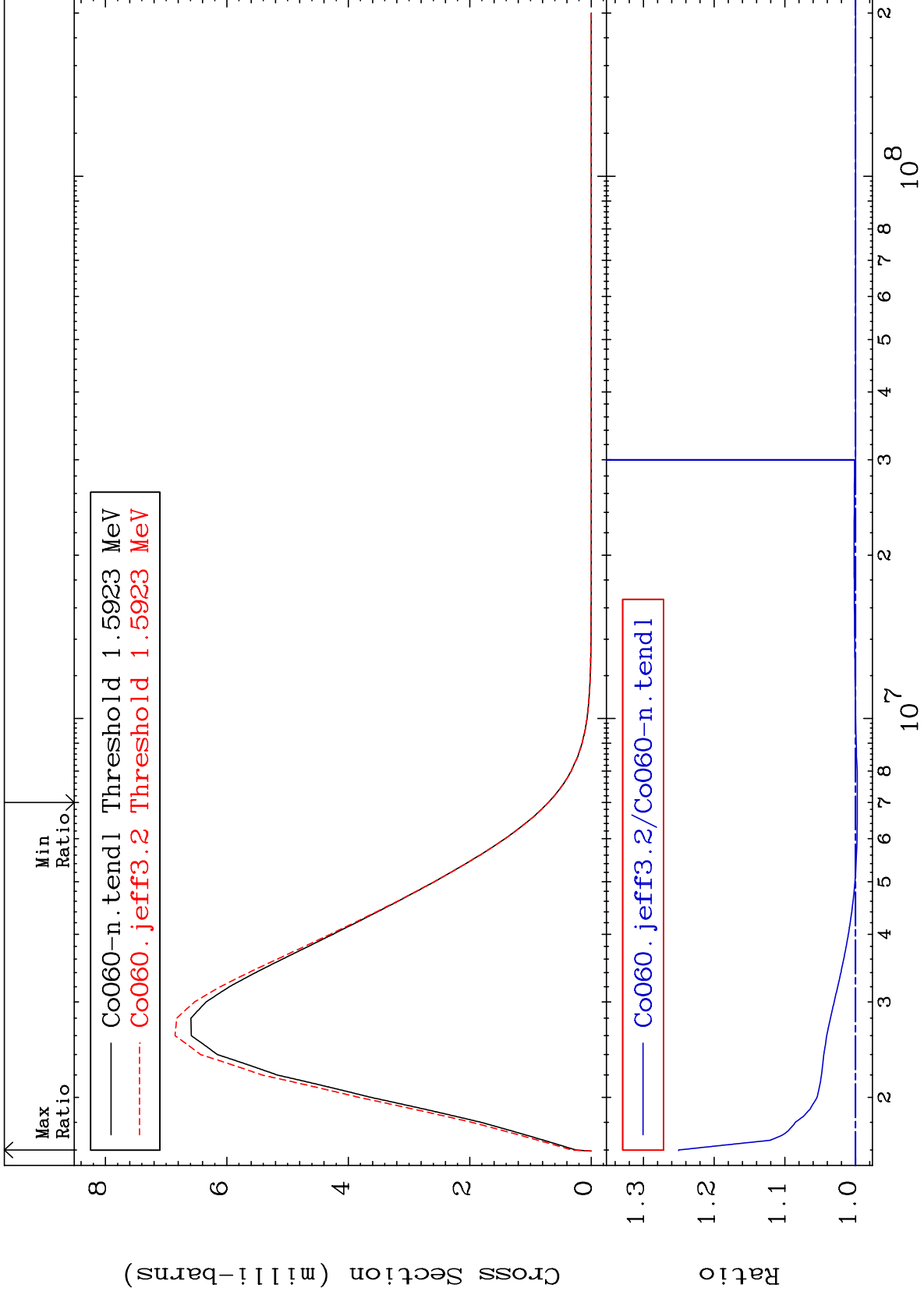
Incident Energy (eV)

27-Co-60

MAT 2728

1.566 MeV (n,n') Level
Cross Section

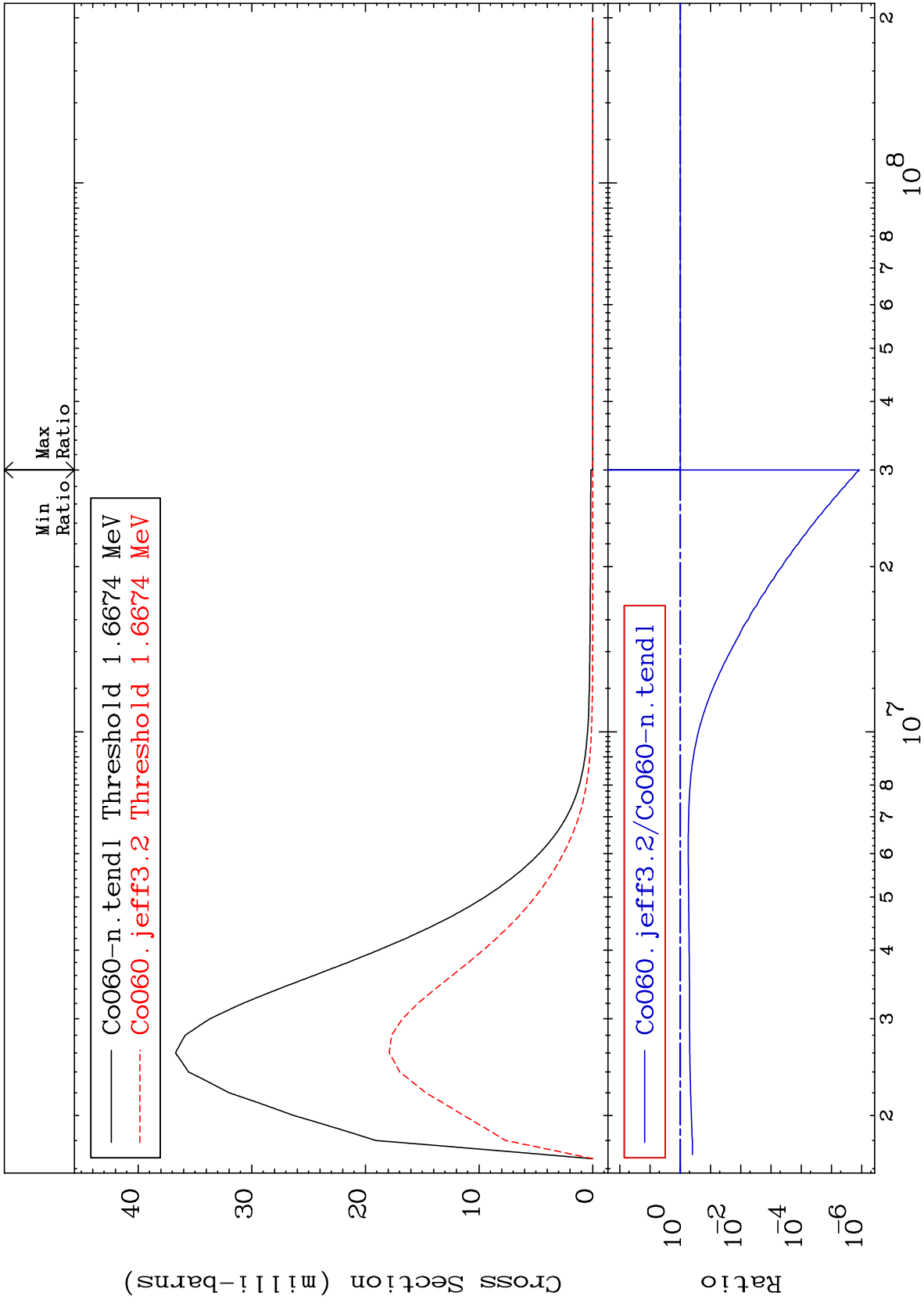
27-Co-60
-0.243 To 25.02 %



MAT 2728

1.640 MeV (n,n') Level
Cross Section

27-Co-60
-100.0 To 0.000 %



45

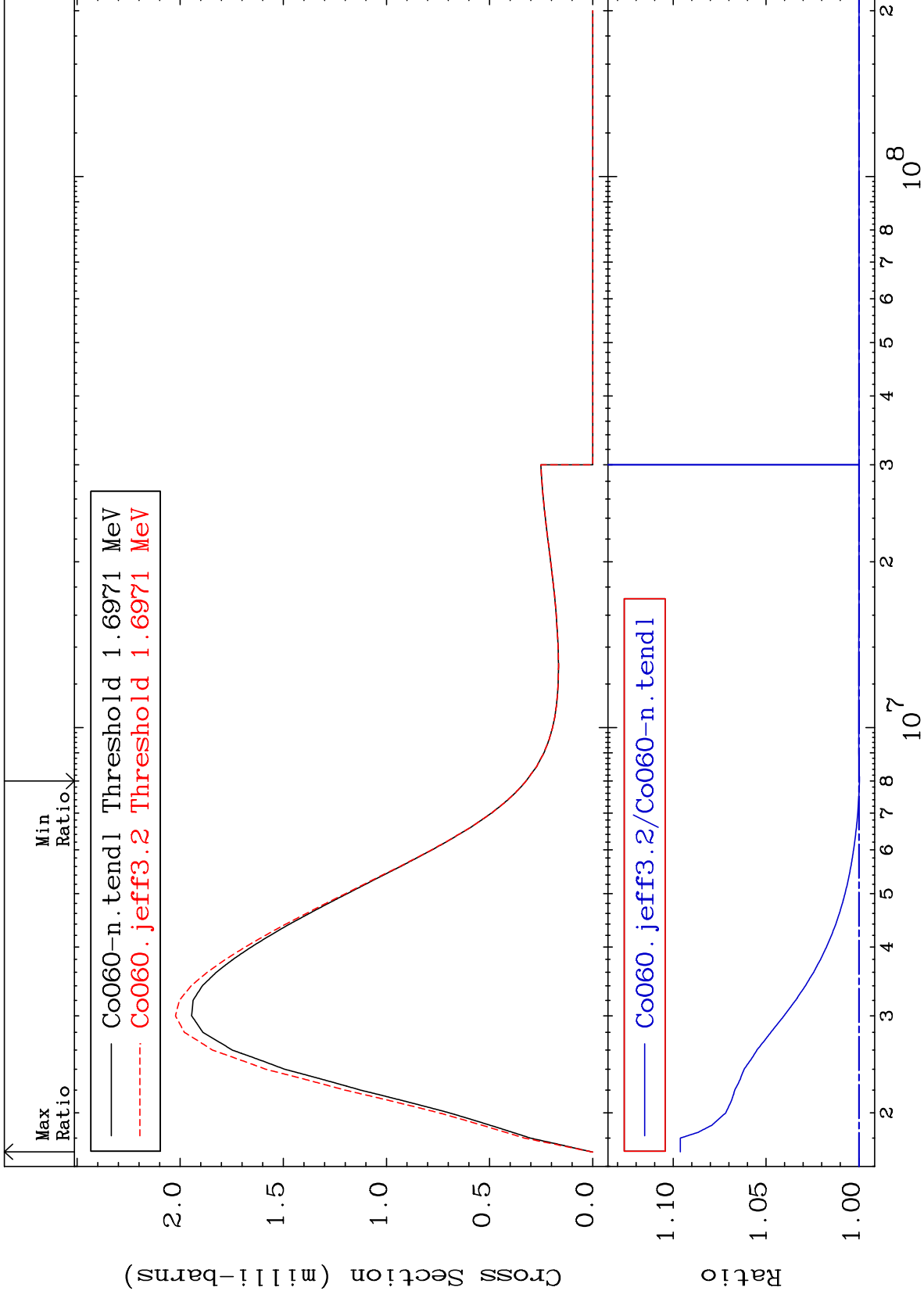
Incident Energy (eV)

27-Co-60

MAT 2728

1.669 MeV (n,n') Level
Cross Section

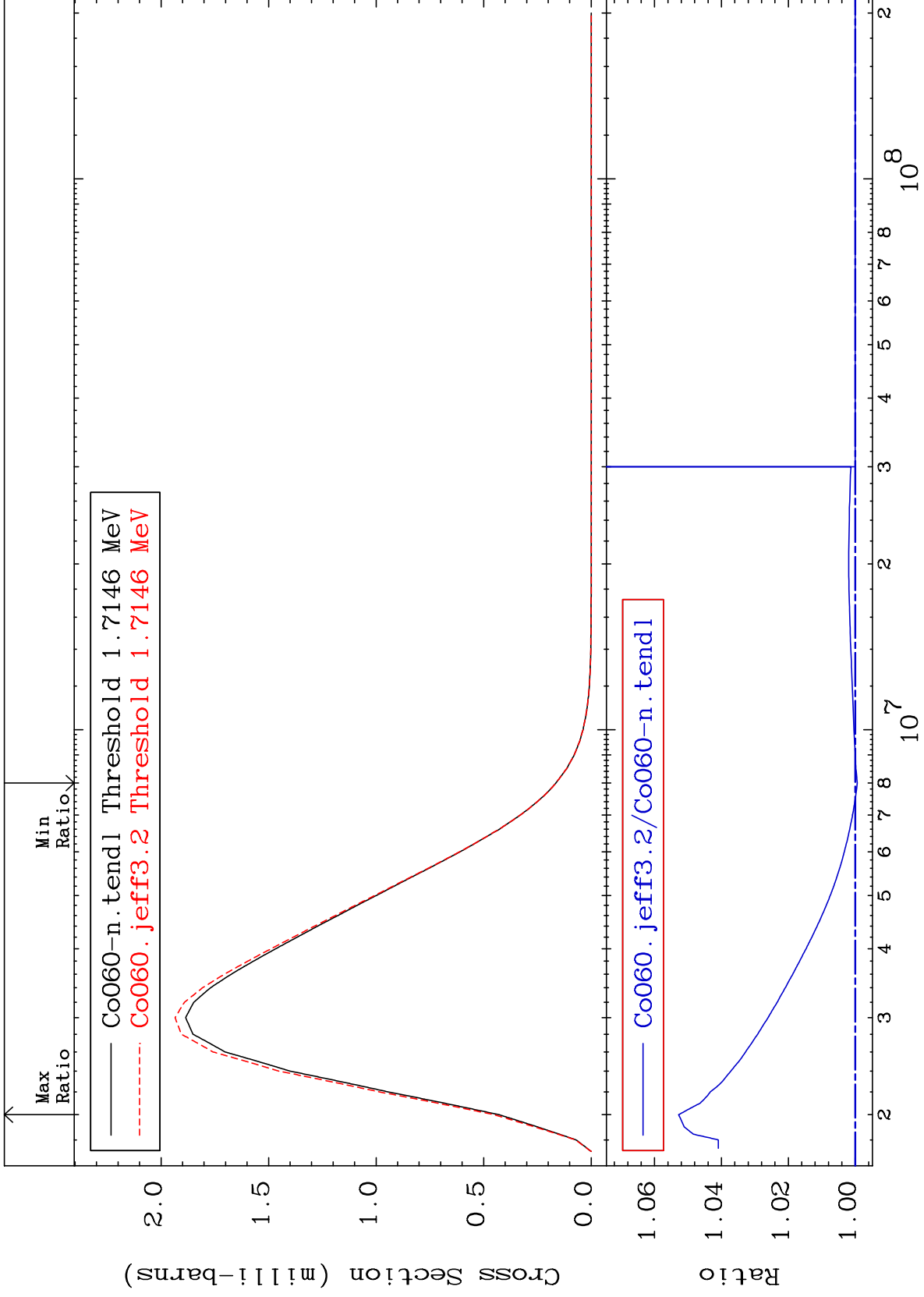
27-Co-60
-0.028 To 9.615 %



MAT 2728

1.686 MeV (n,n') Level
Cross Section

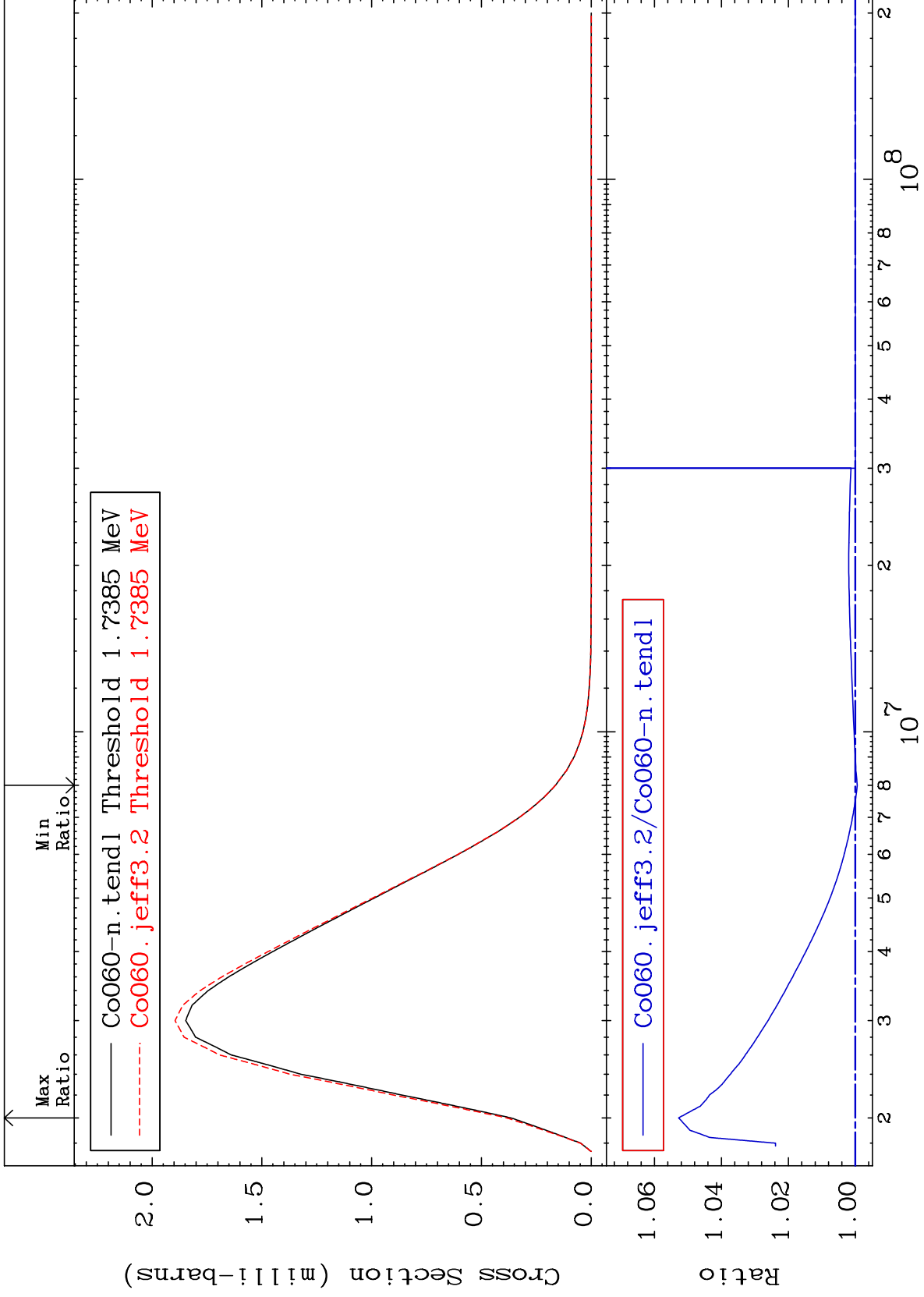
27-Co-60
-0.060 To 5.280 %

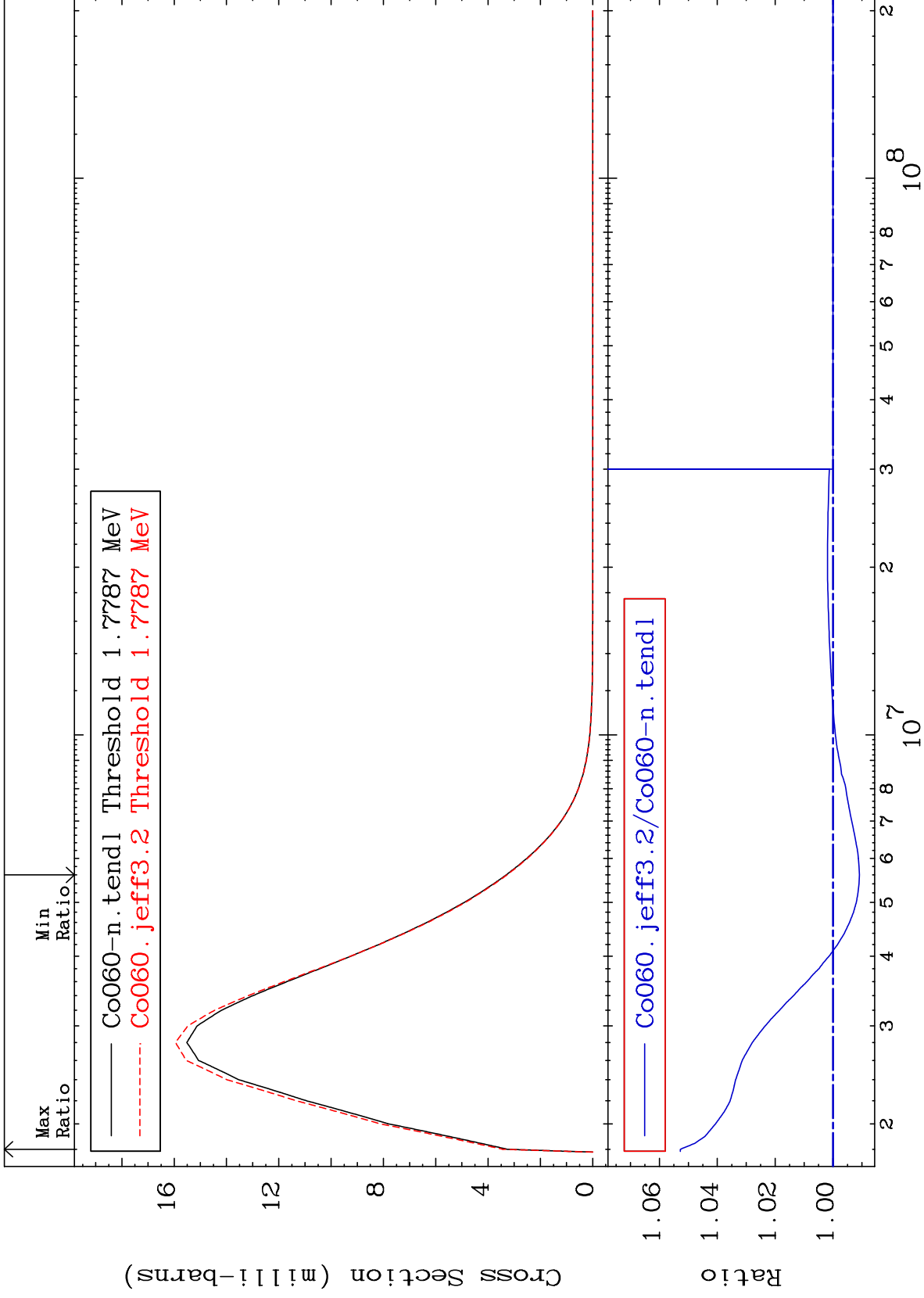


MAT 2728

1.710 MeV (n,n') Level
Cross Section

27-Co-60
-0.058 To 5.278 %

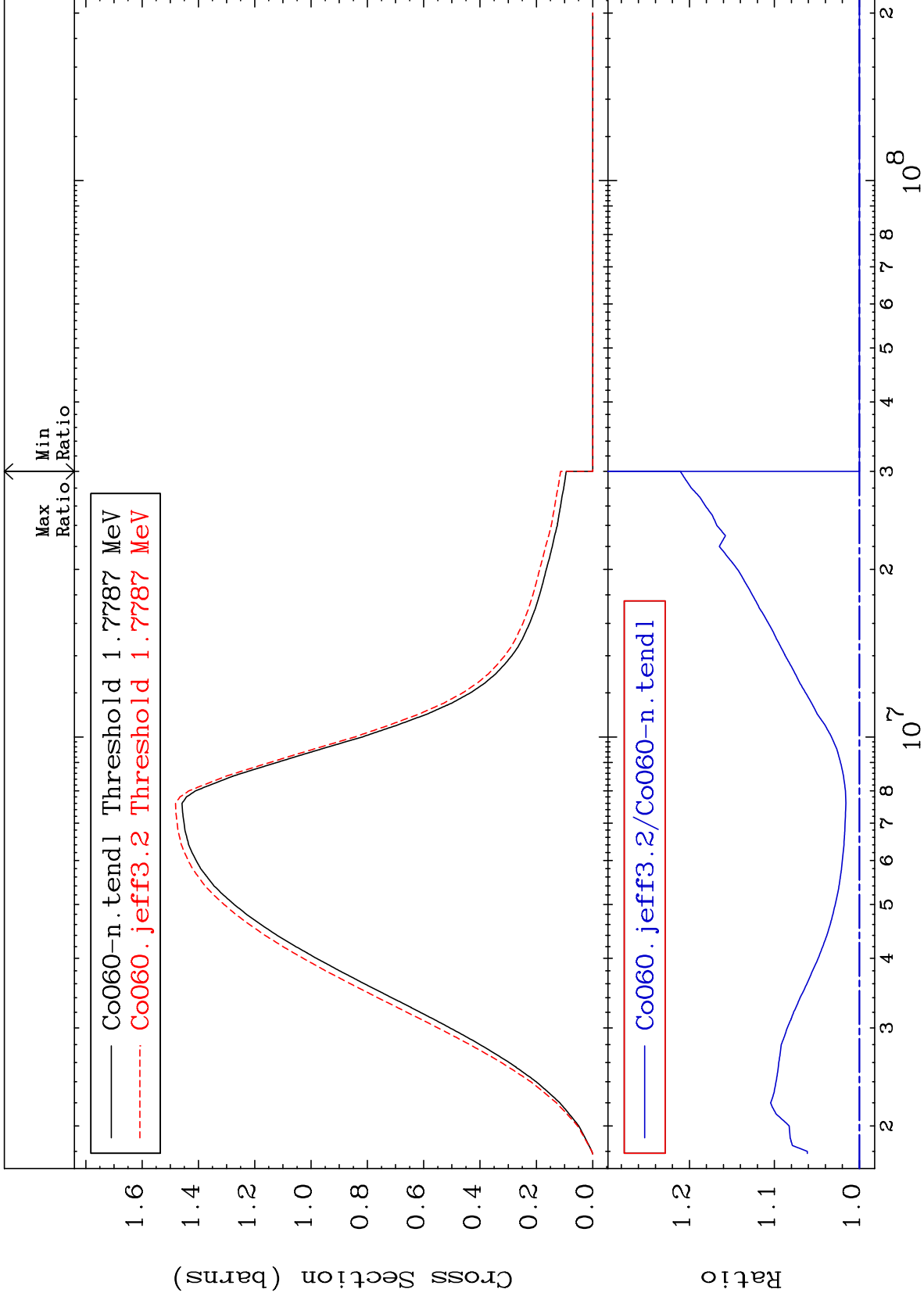


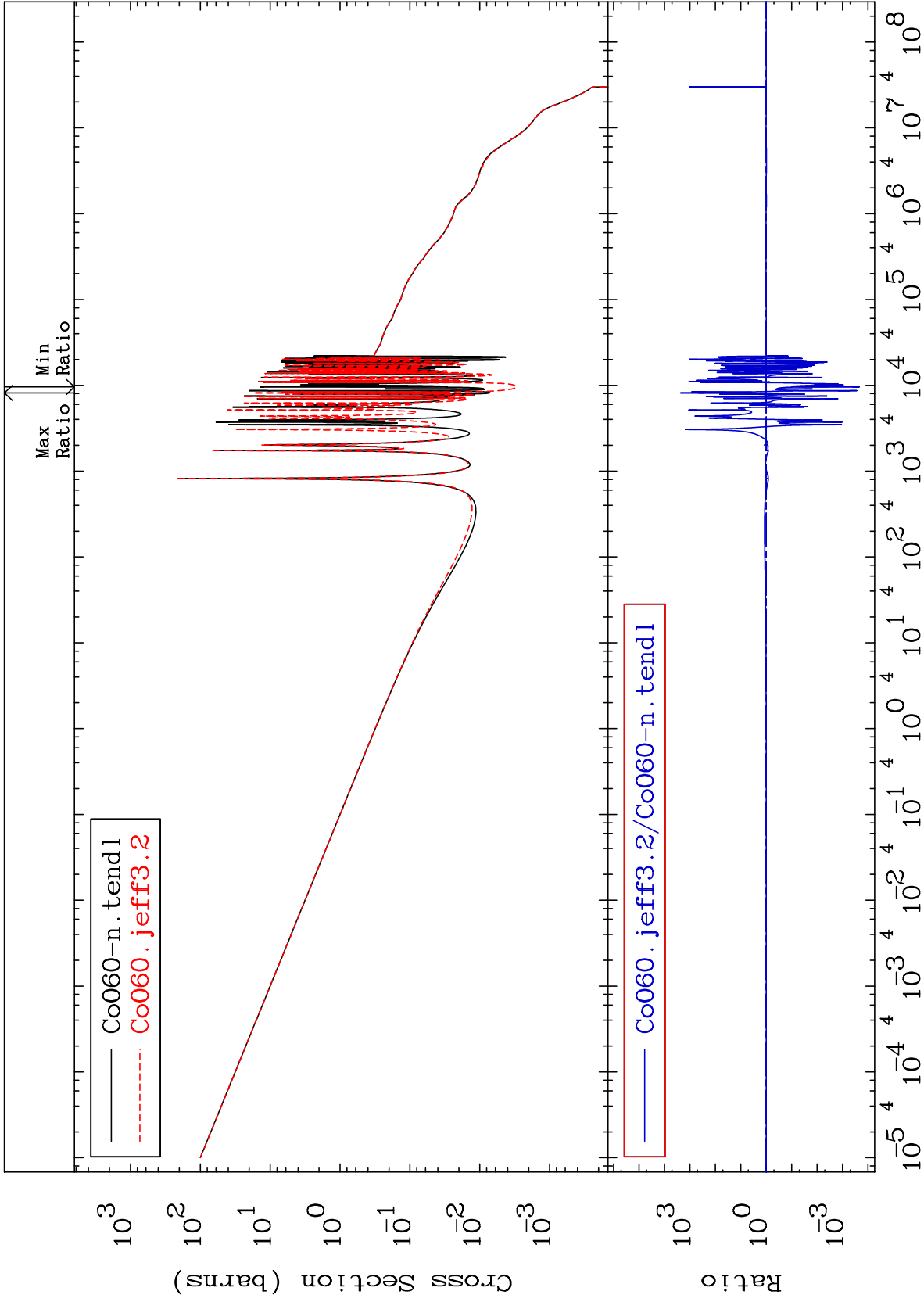


MAT 2728

(n, n') Continuum
Cross Section

27-Co-60
0.000 To 21.06 %





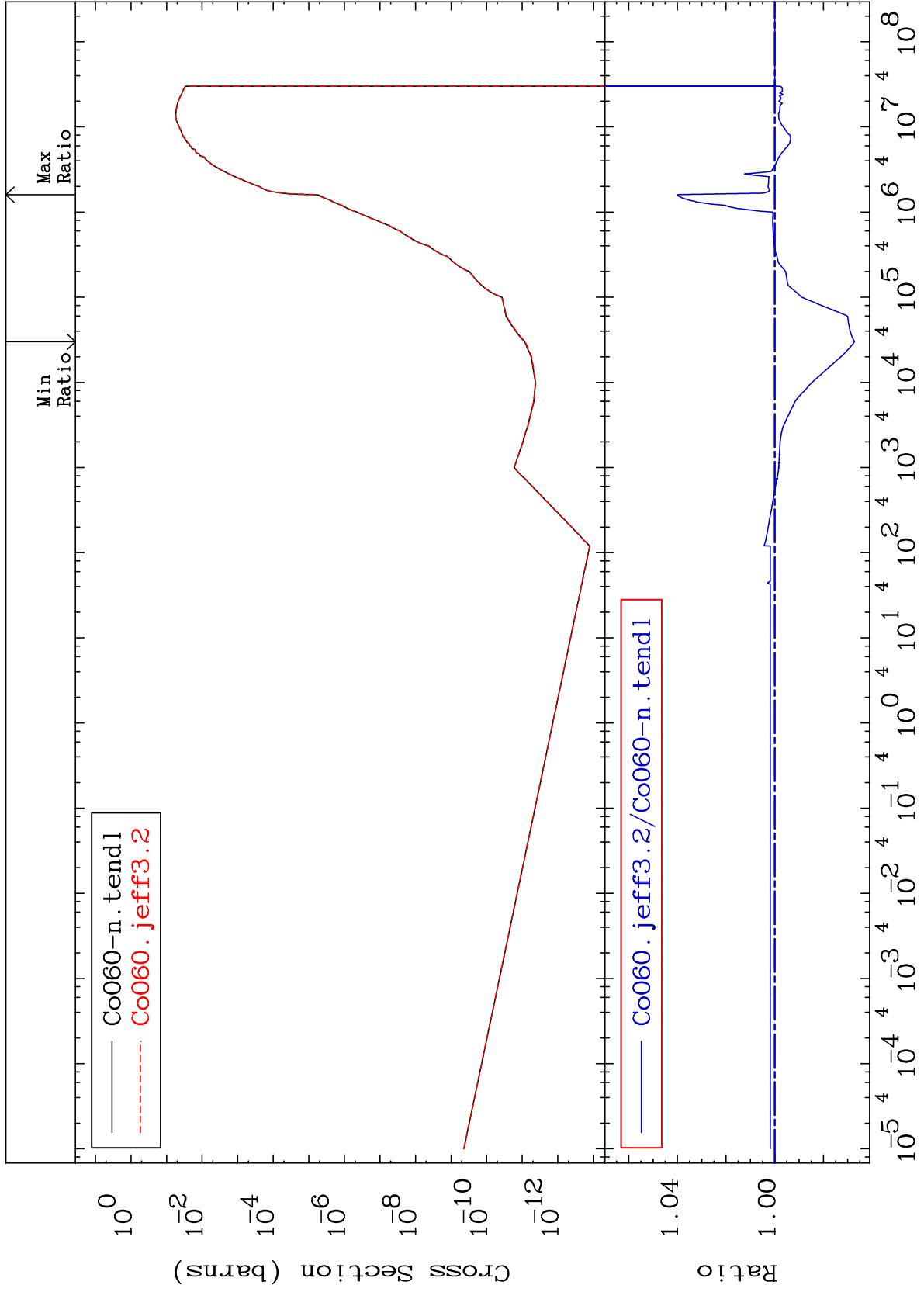
MAT 2728

(n,p)

27-Co-60

Cross Section

-3.277 To 4.025 %



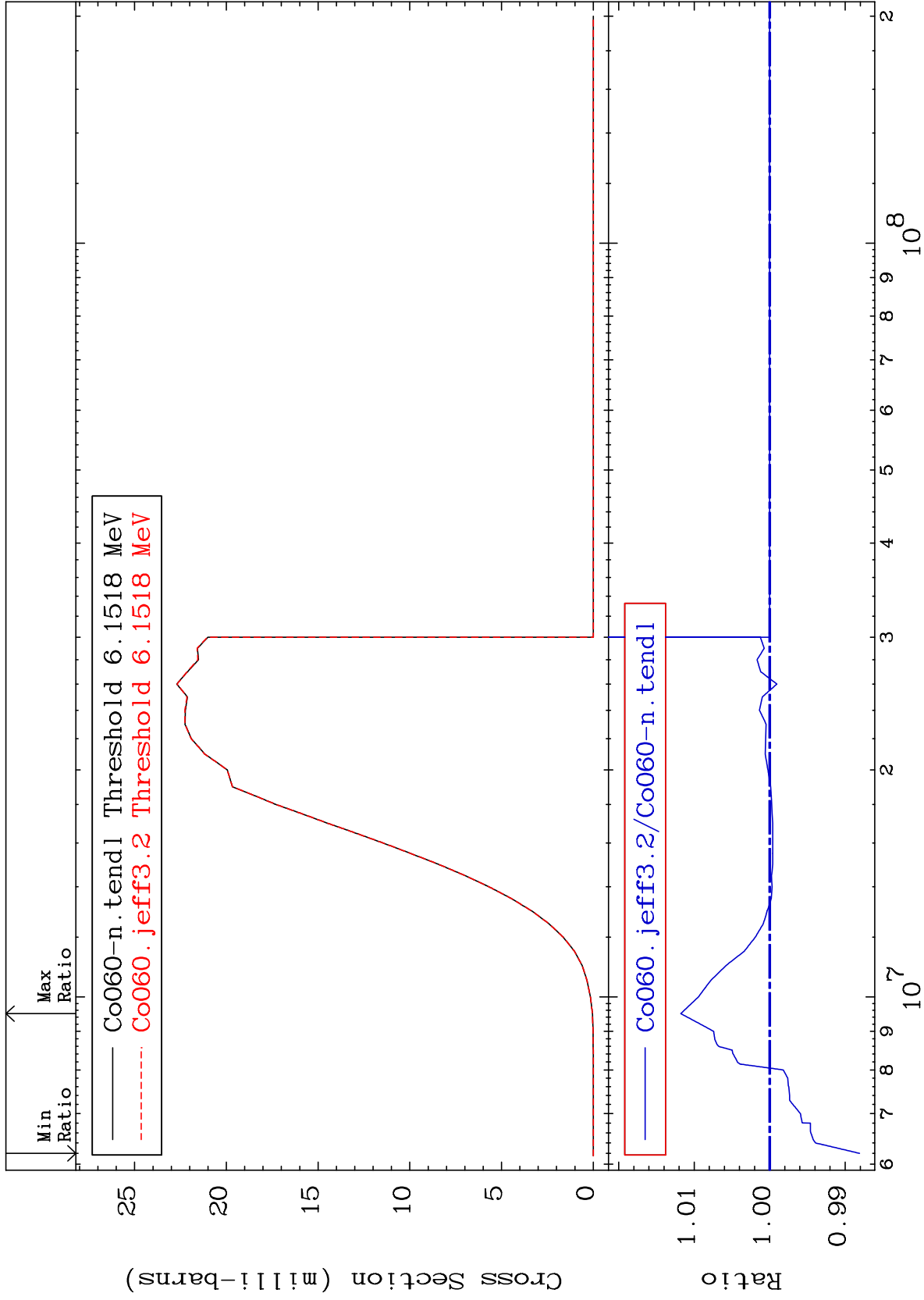
MAT 2728

(n, d)

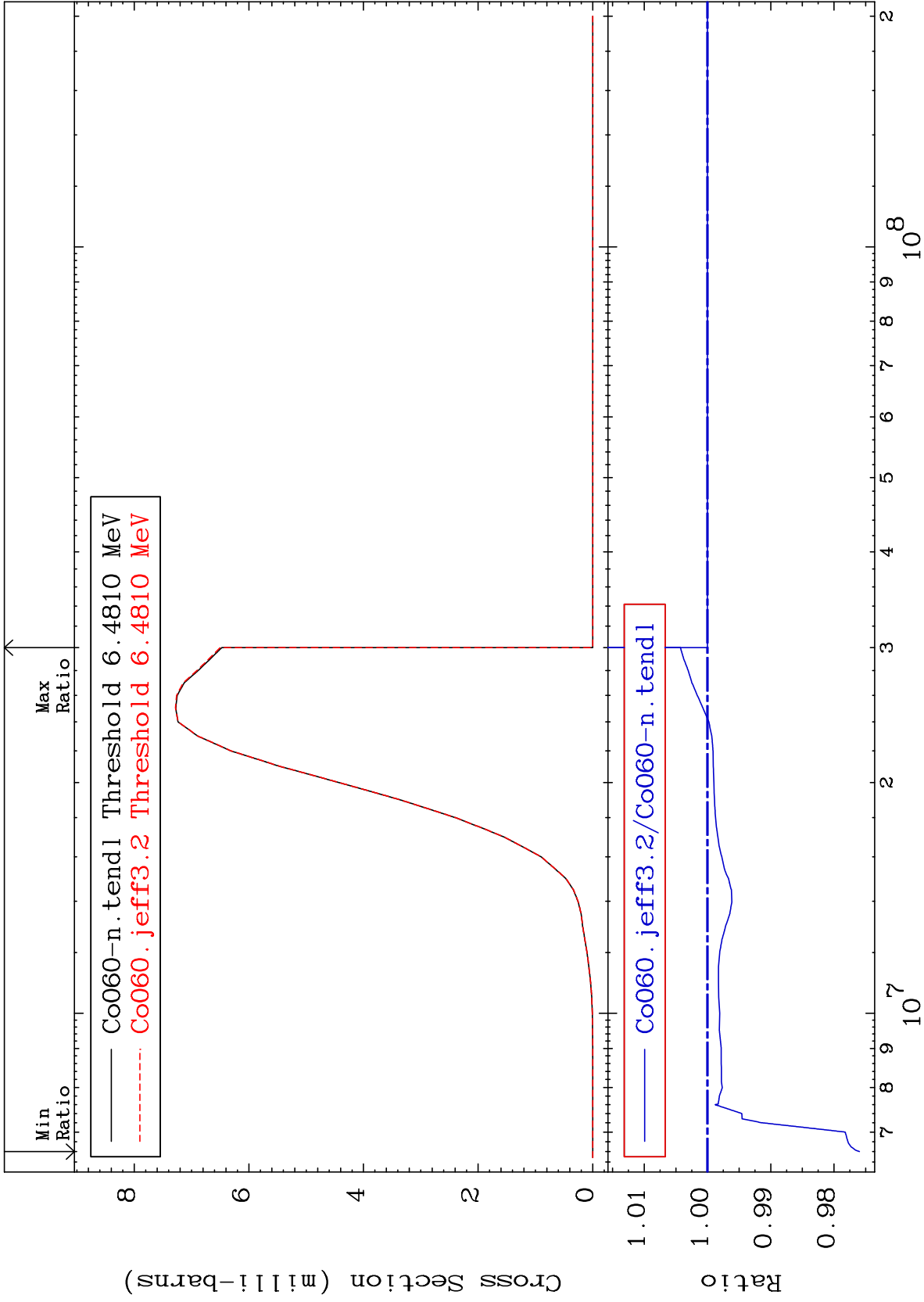
²⁷Co-60

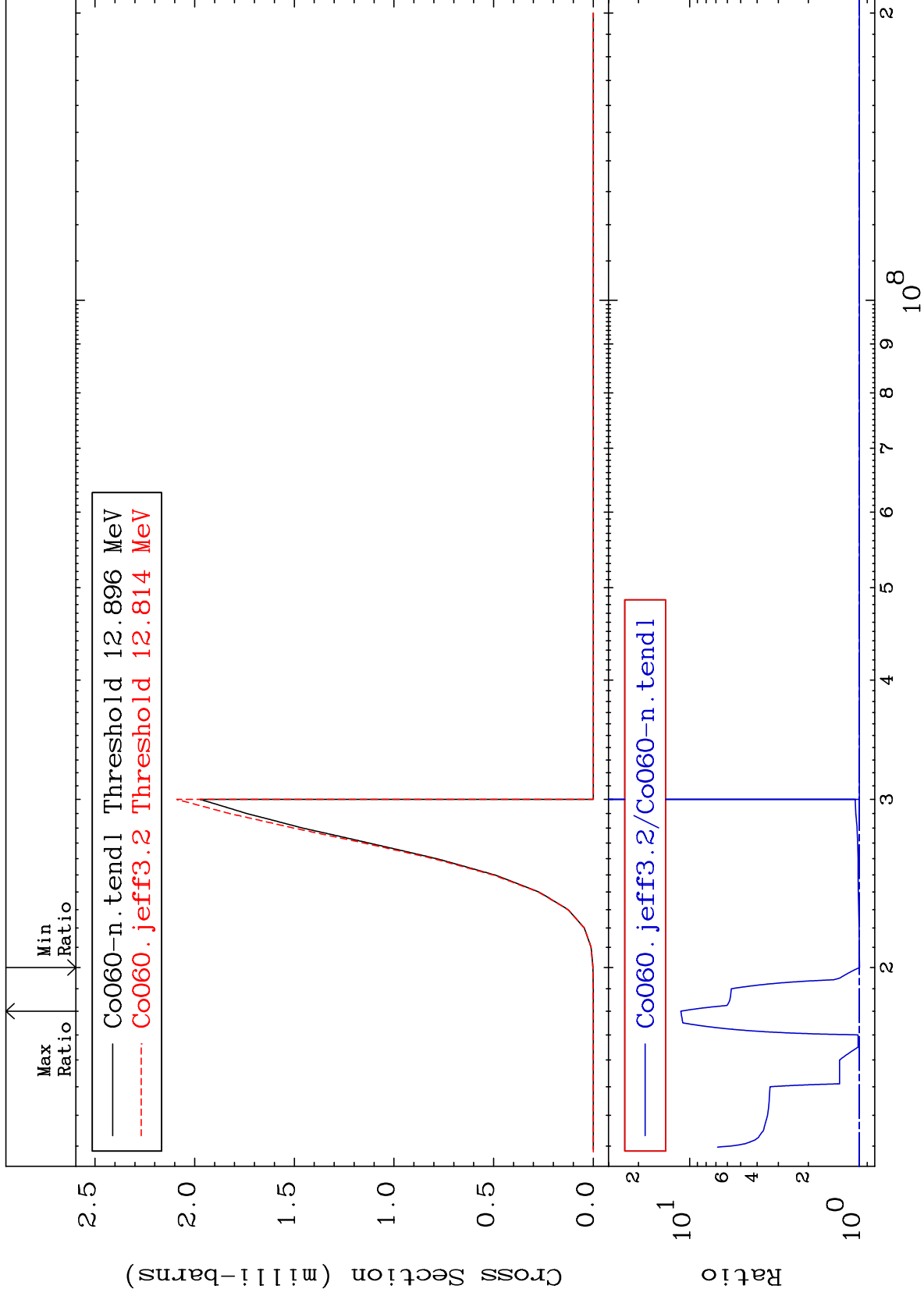
Cross Section

-1.190 To 1.178 %



(n, t)
Cross Section
-2.402 To 0.429 %





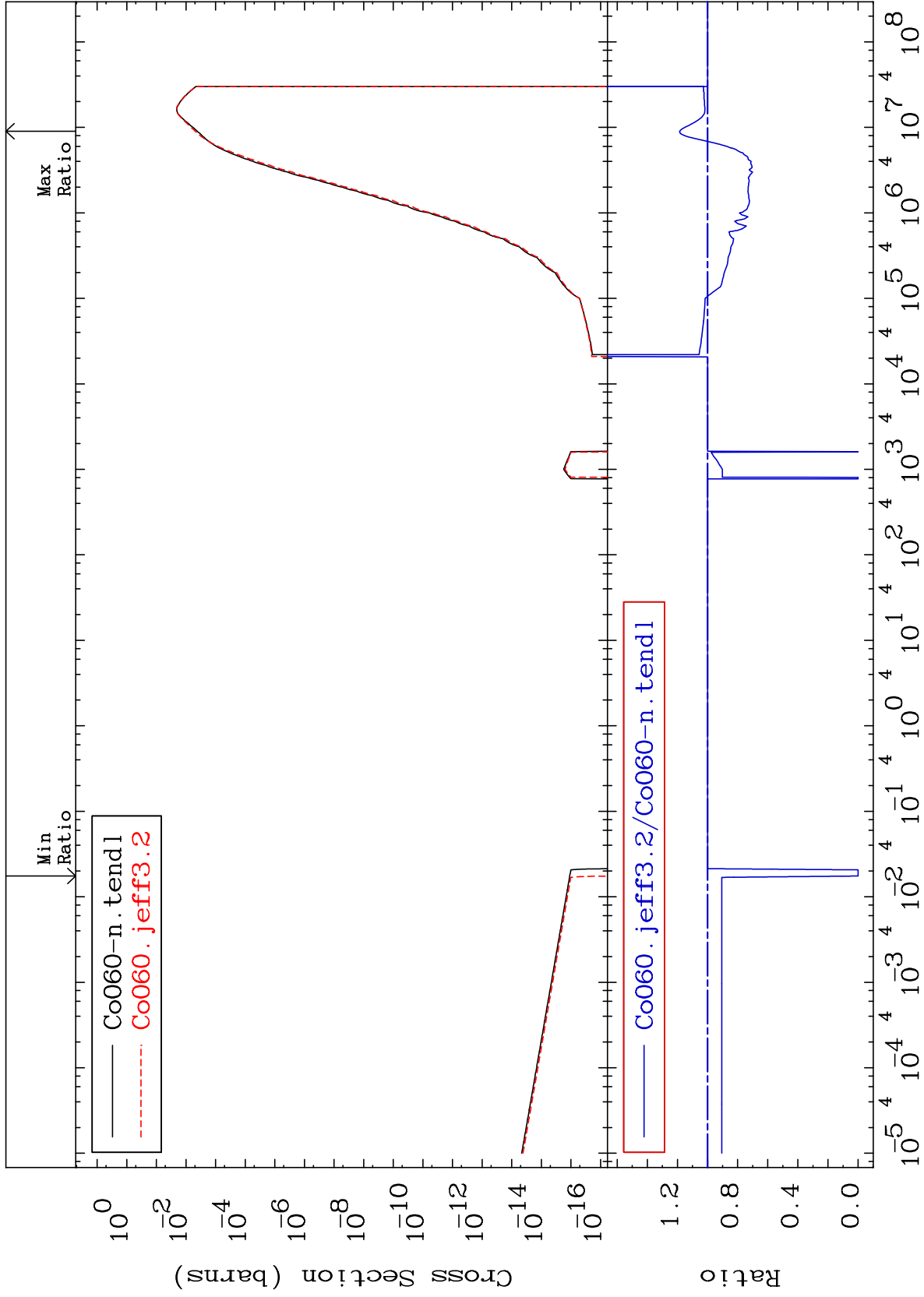
MAT 2728

(n, α)

27-Co-60

Cross Section

-100.0 To 18.55 %



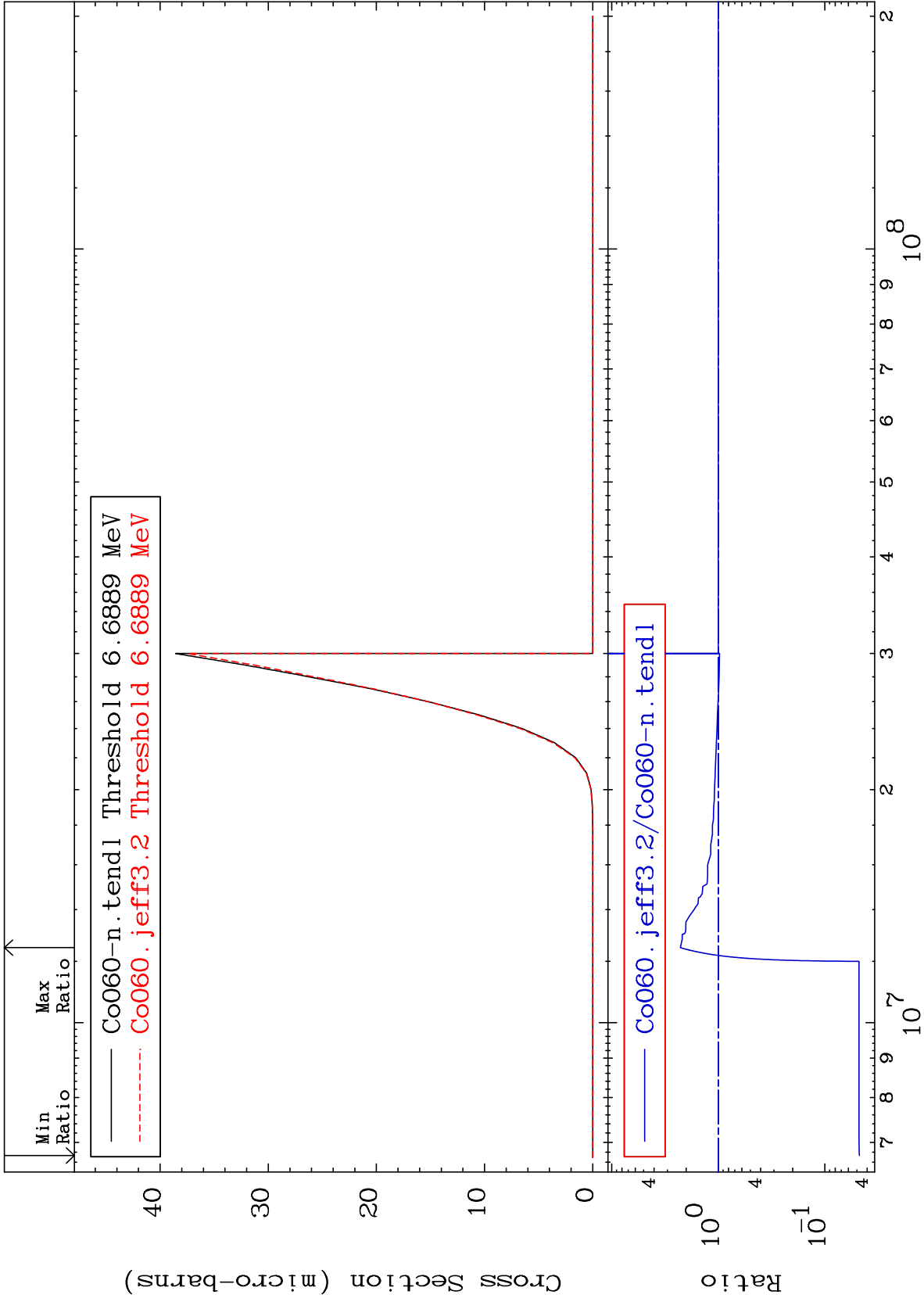
56

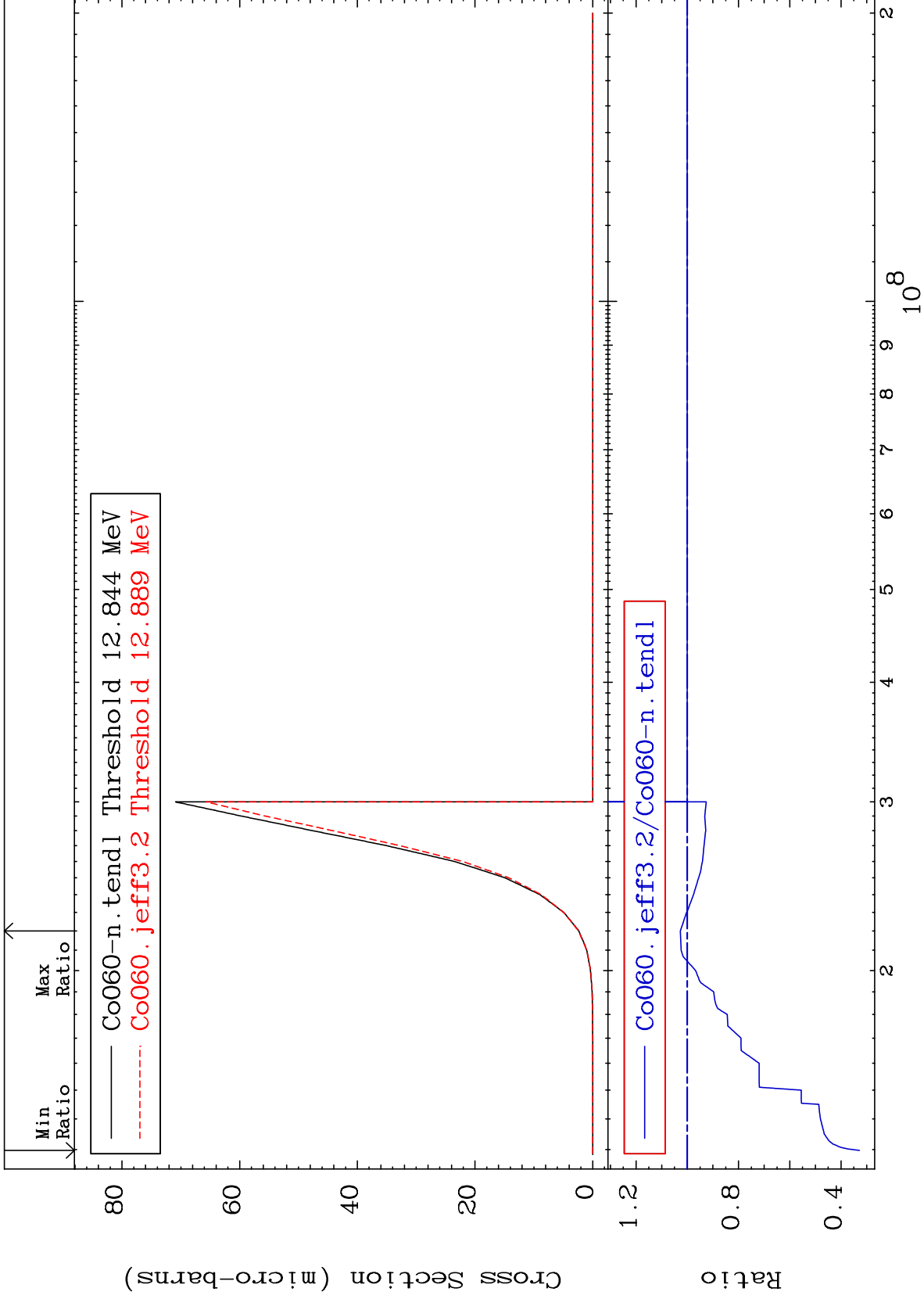
Incident Energy (eV)

27-Co-60

Cross Section

-95.26 To 126.5 %



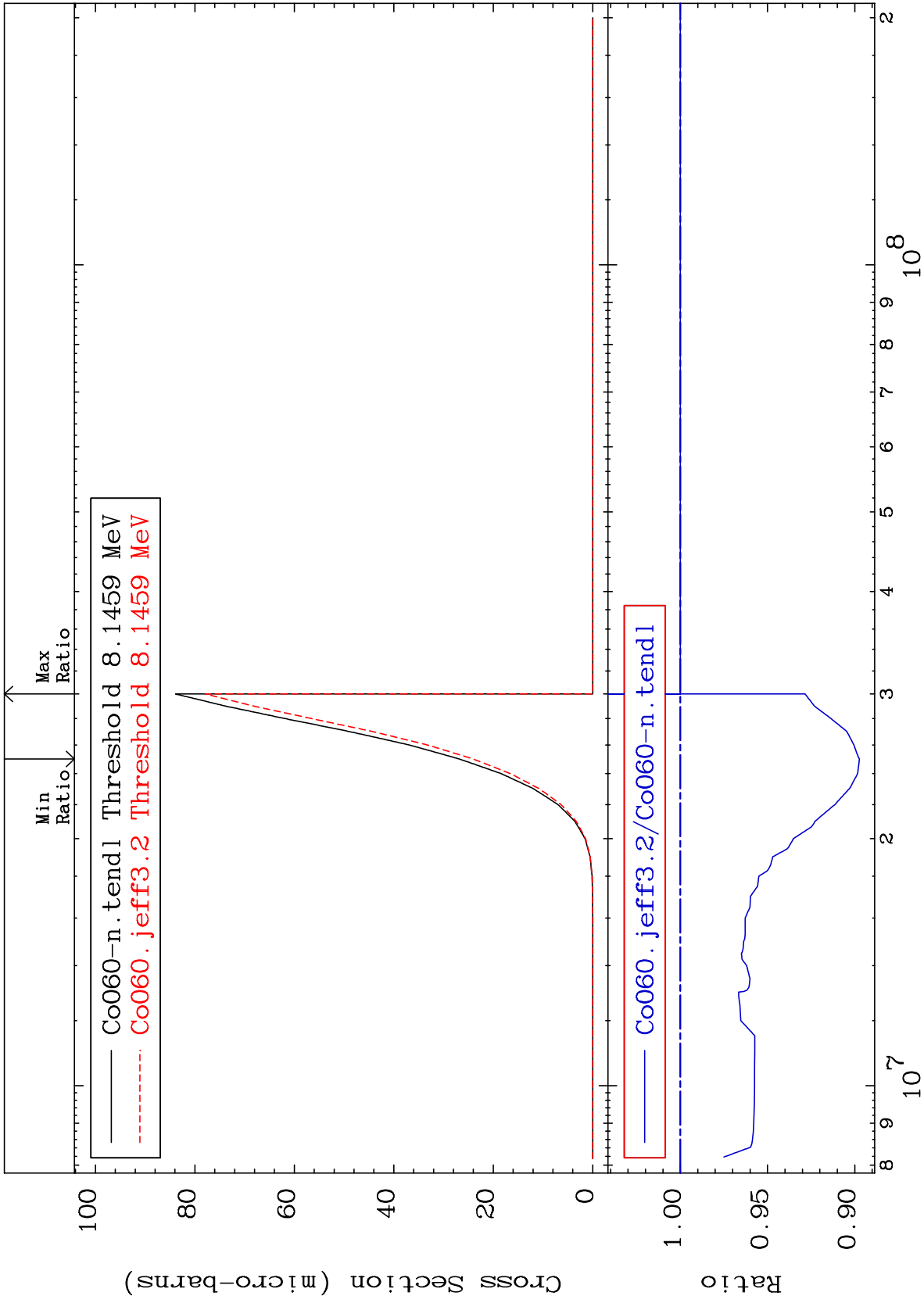


MAT 2728

$^{27}\text{Co-60}$

$(n, p) \alpha$
Cross Section

-10.27 To 0.000 %



59

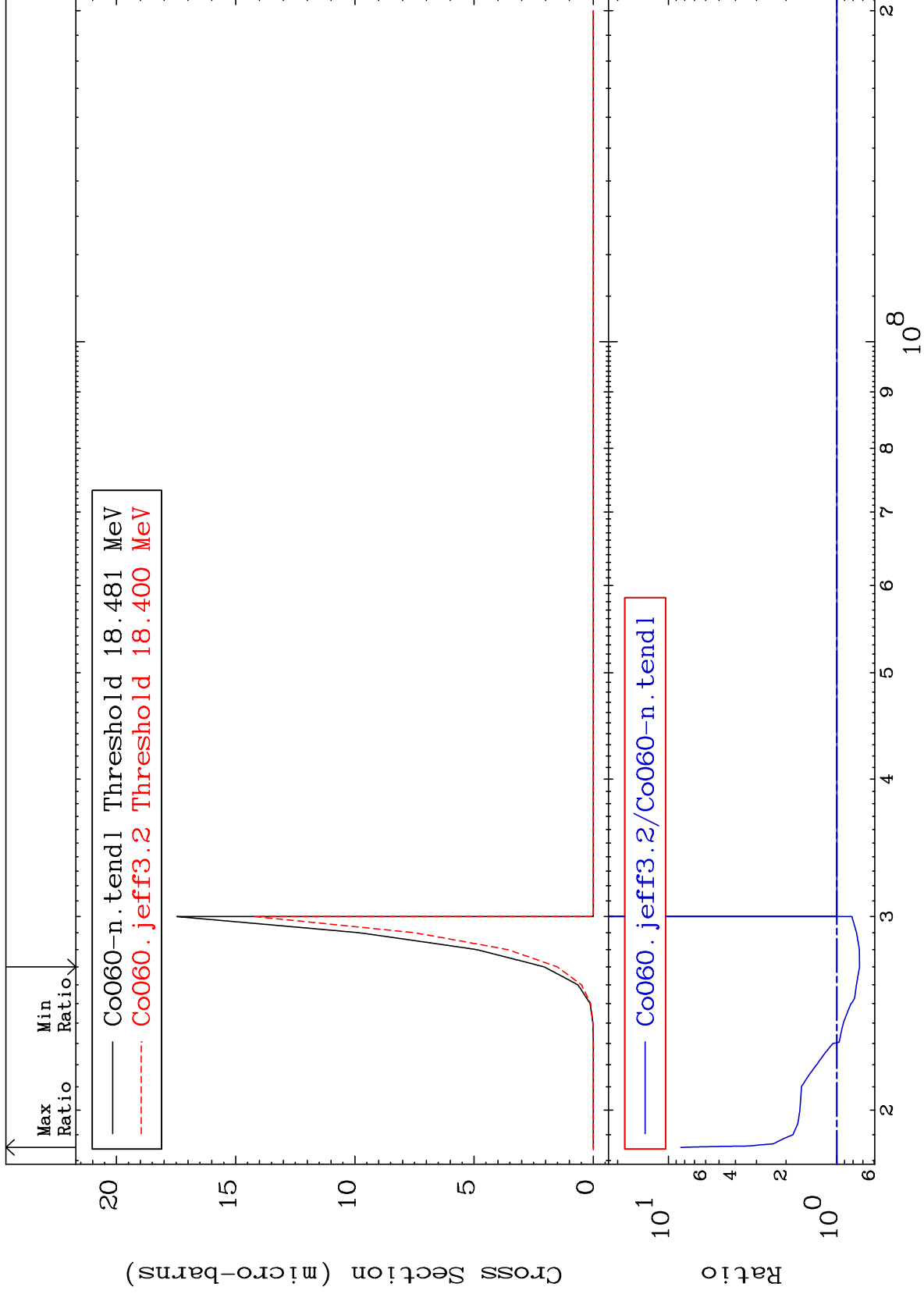
Incident Energy (eV)

$^{27}\text{Co-60}$

MAT 2728

(n,p) d
Cross Section

27-Co-60
-26.72 To 744.3 %



60

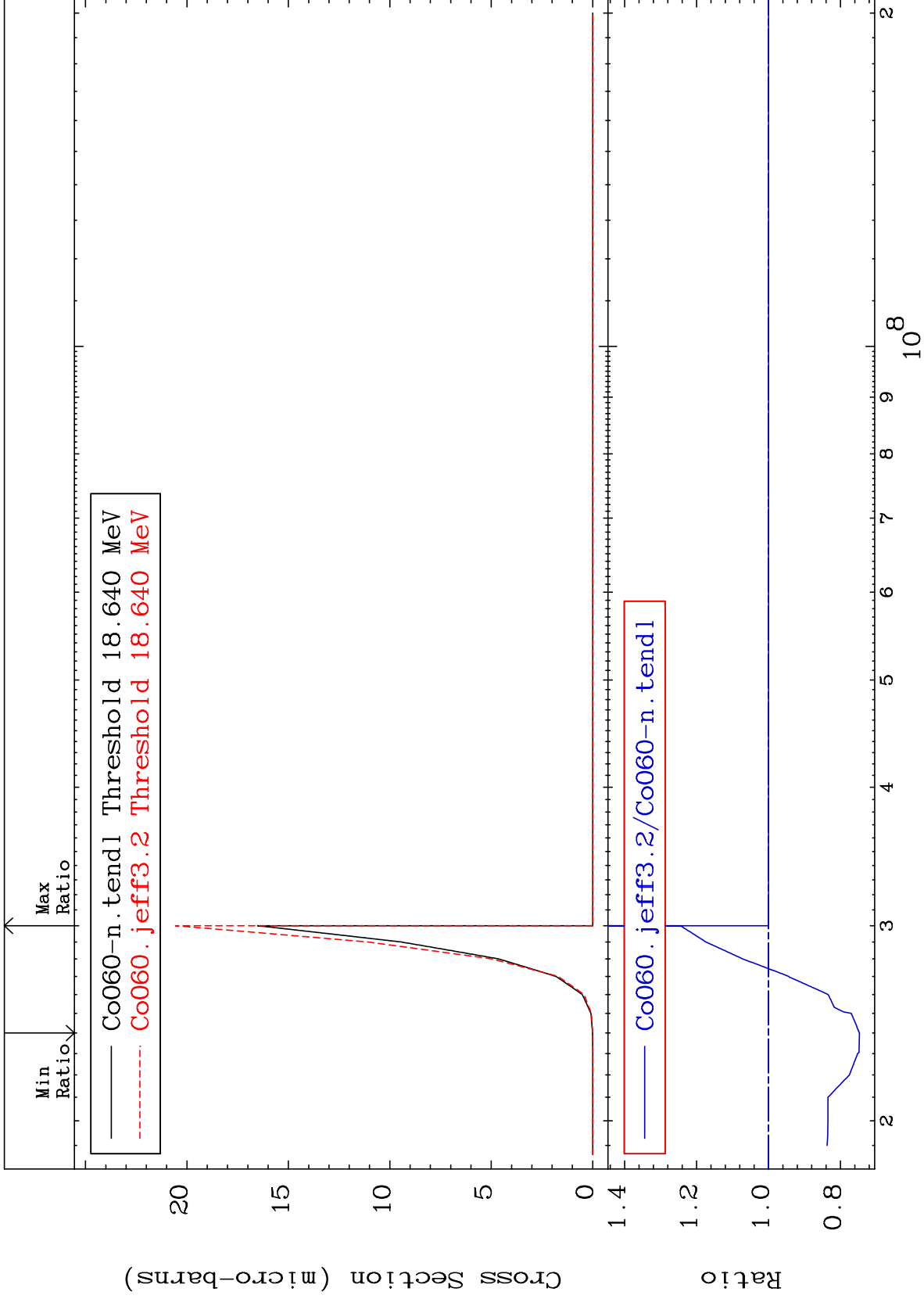
Incident Energy (eV)

27-Co-60

MAT 2728

(n,p) t
Cross Section

27-Co-60
-25.26 To 24.52 %



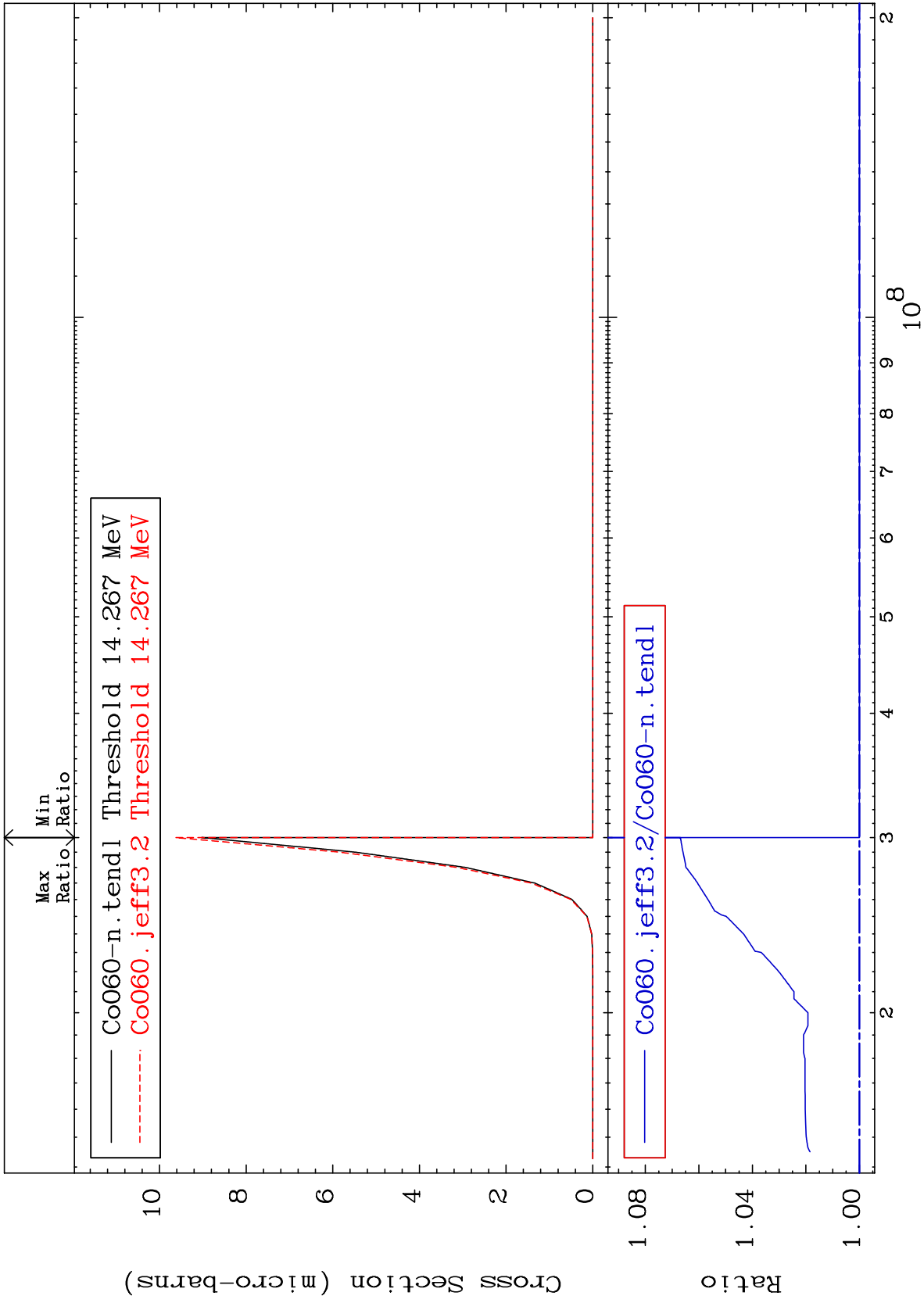
61

Incident Energy (eV)

27-Co-60

MAT 2728

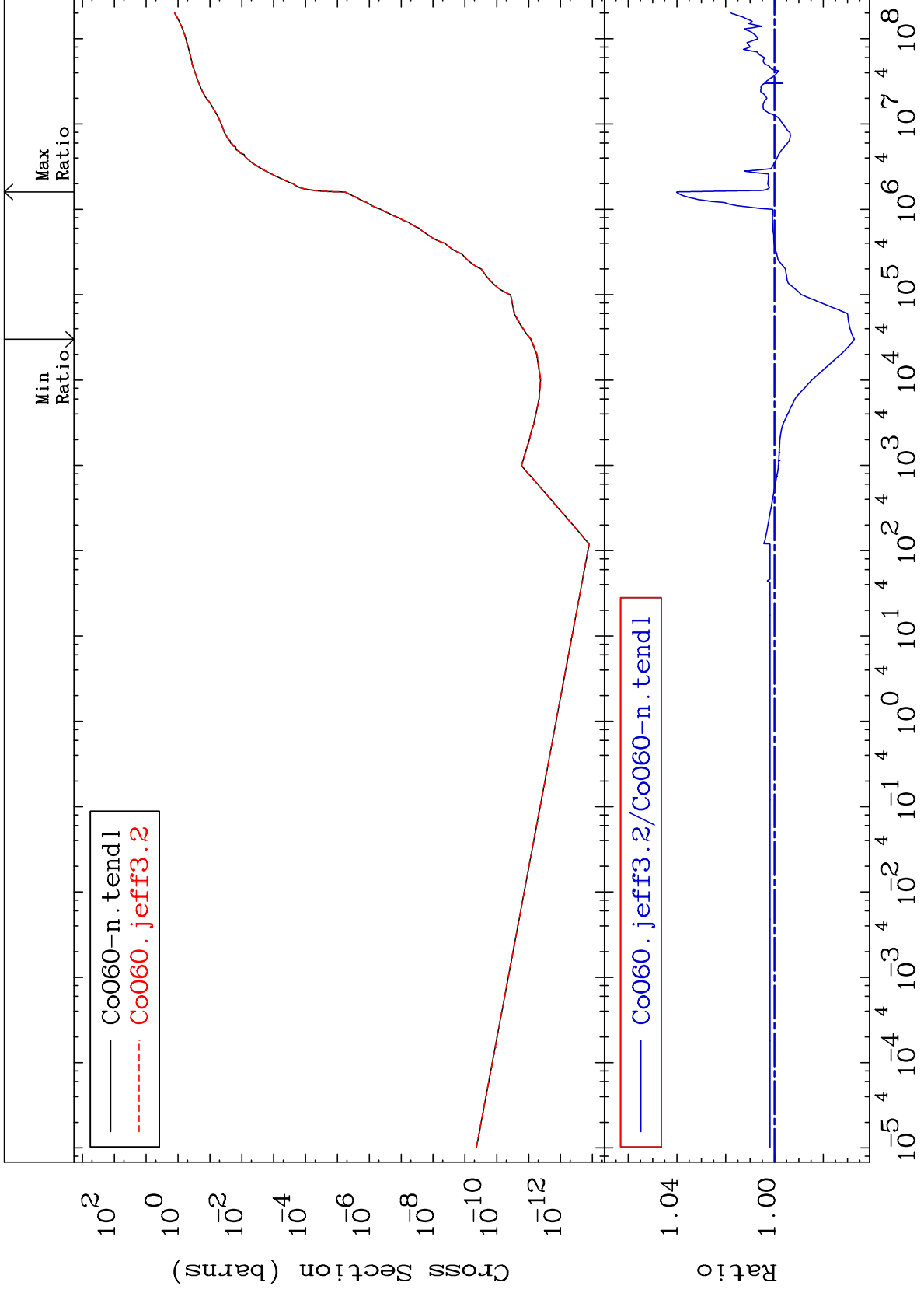
(n,d) α Cross Section
0.000 To 6.692 %
27-Co-60



MAT 2728

Hydrogen Production Cross Section

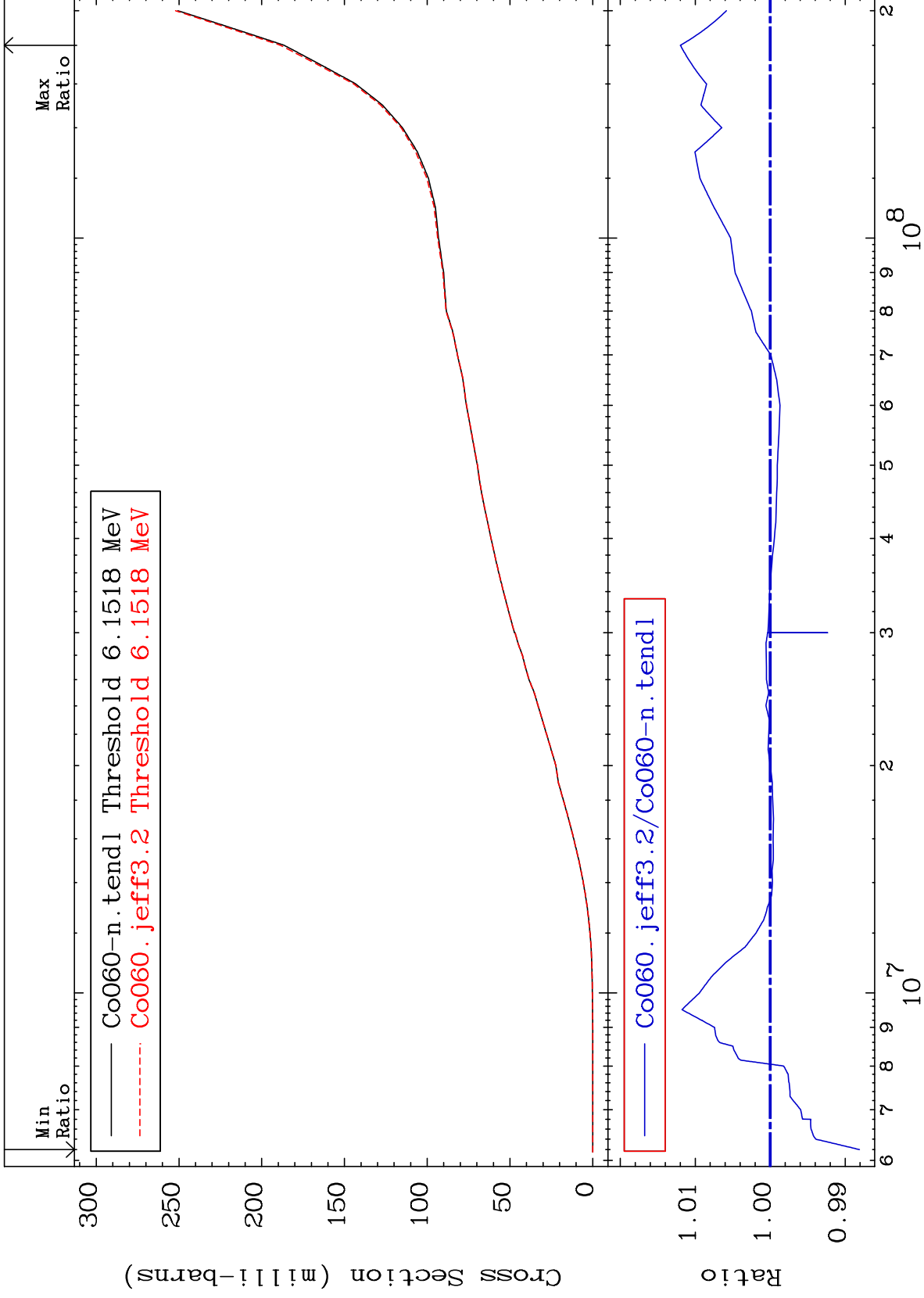
27-Co-60
-3.277 To 4.025 %



MAT 2728

Deuterium Production
Cross Section

27-Co-60
-1.190 To 1.199 %



64

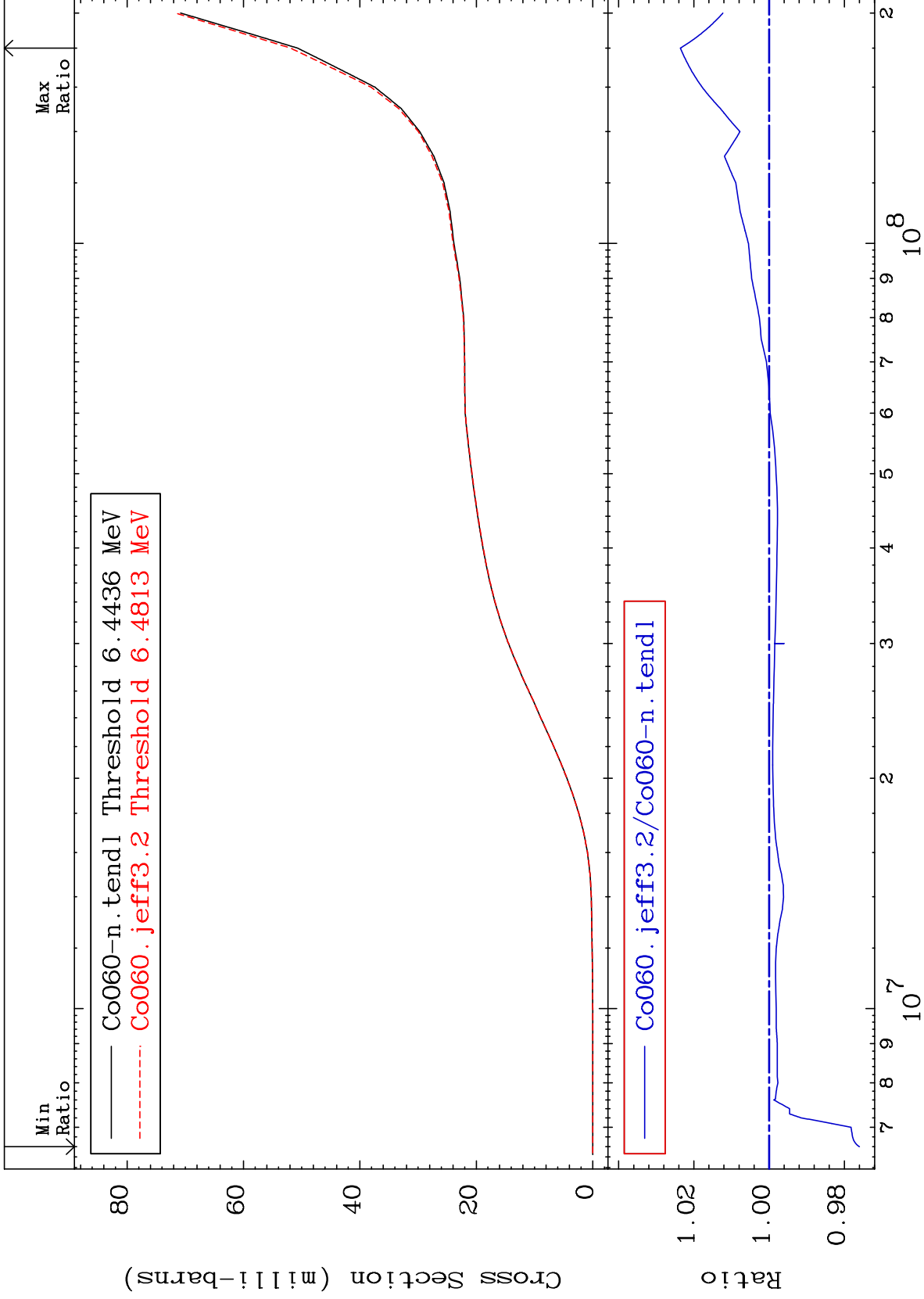
Incident Energy (eV)

27-Co-60

MAT 2728

Tritium Production
Cross Section

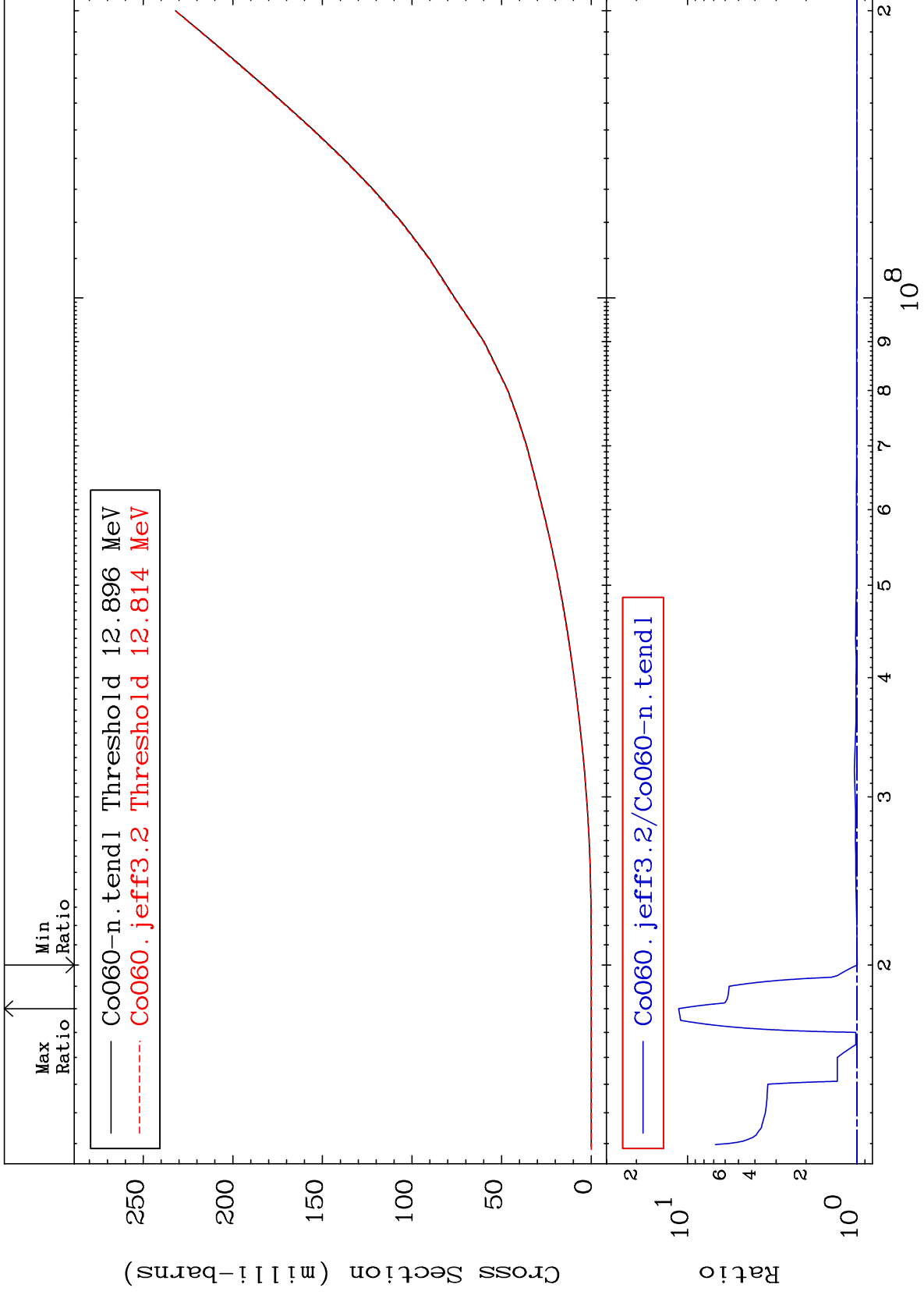
27-Co-60
-2.402 To 2.360 %



65

Incident Energy (eV)

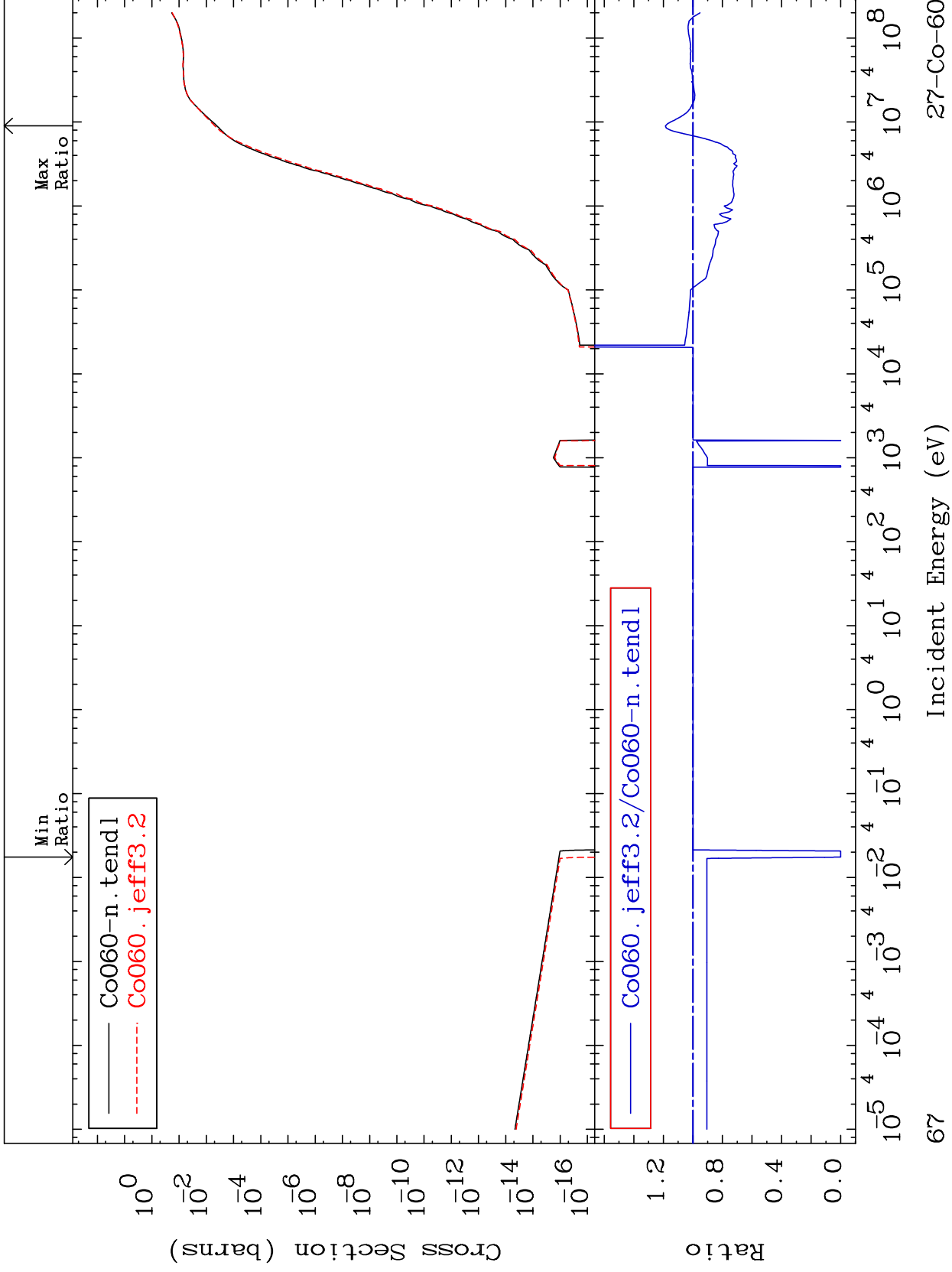
27-Co-60



MAT 2728

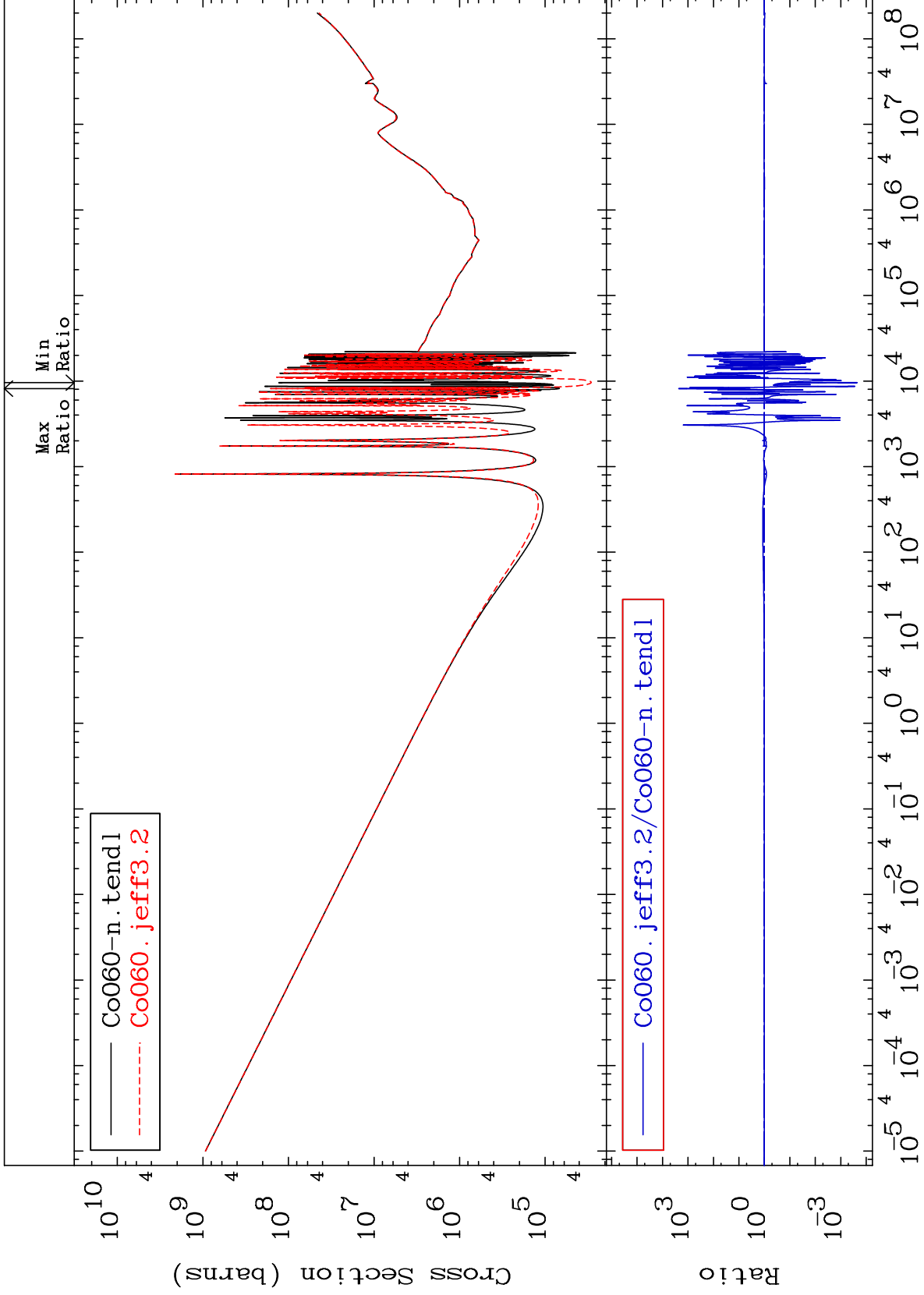
He-4 Production
Cross Section

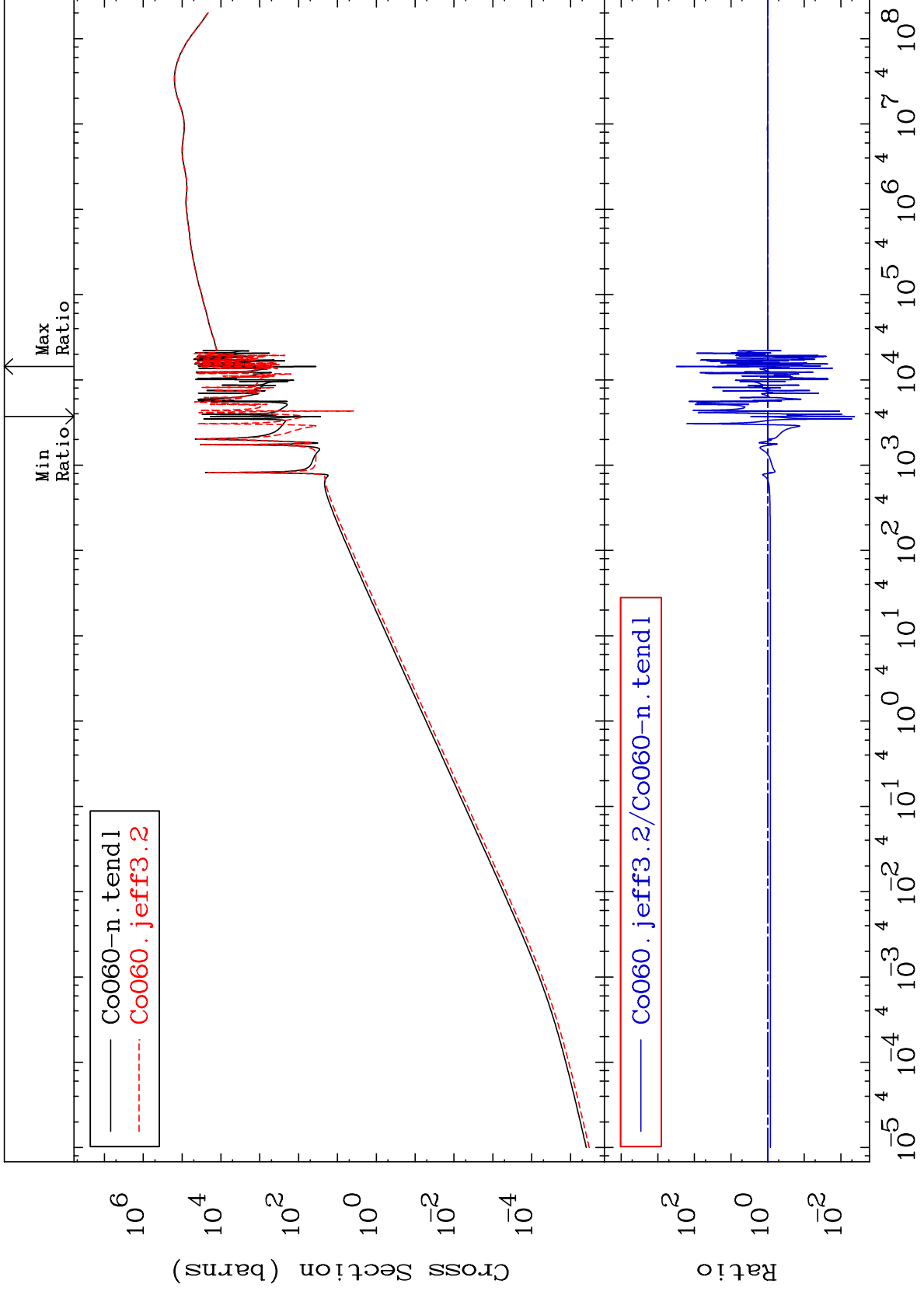
27-Co-60
-100.0 To 18.55 %

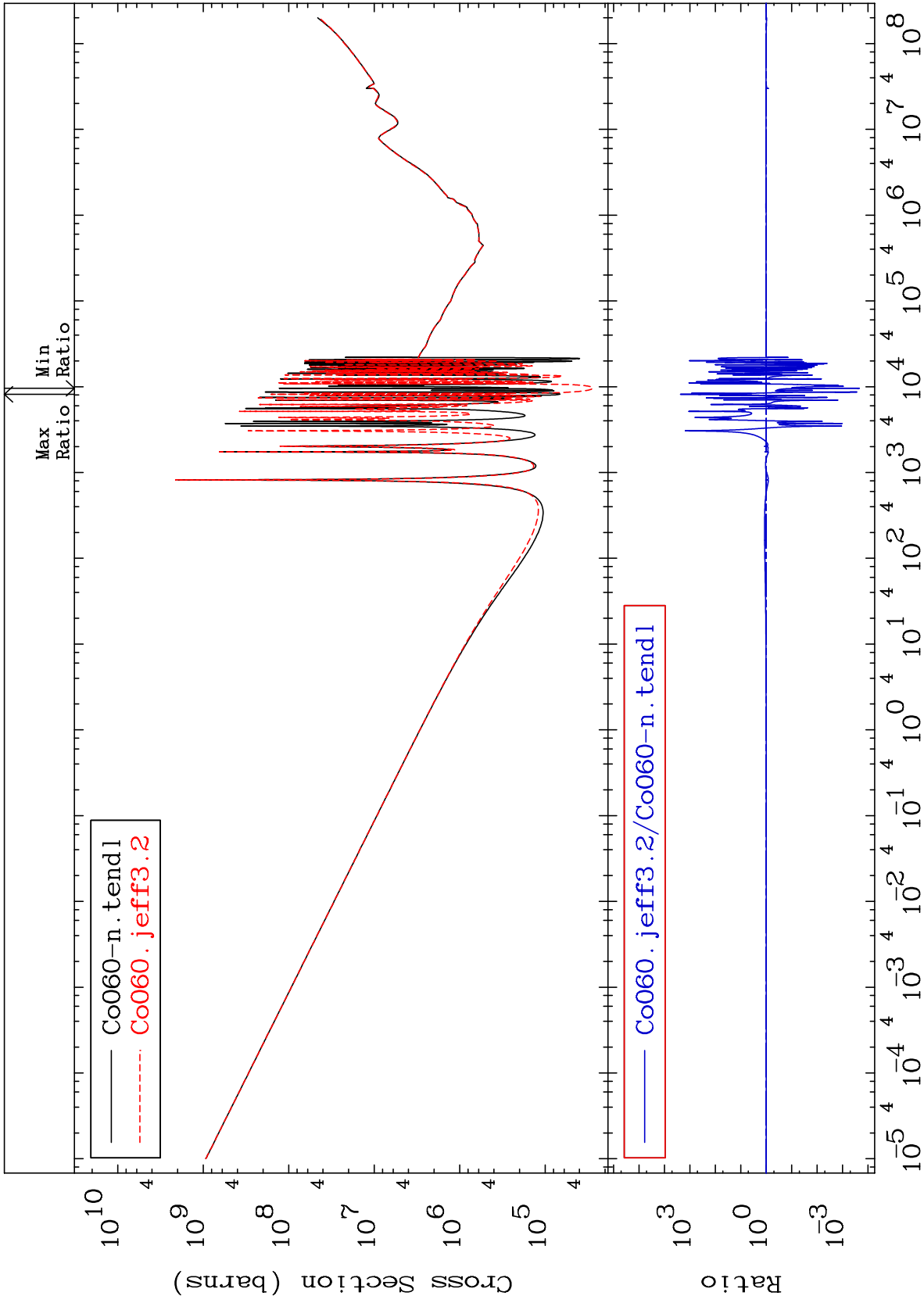


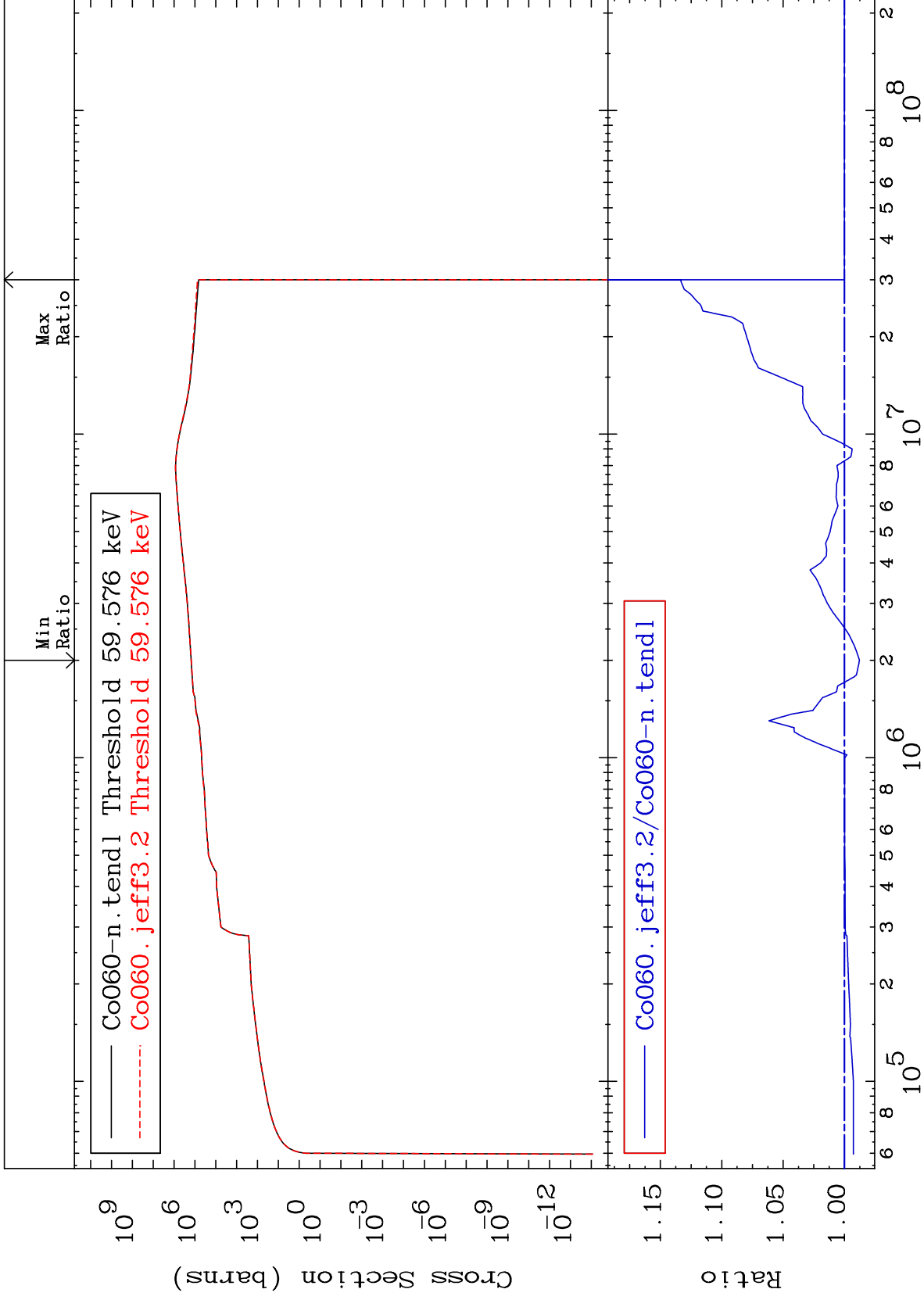
67

27-Co-60





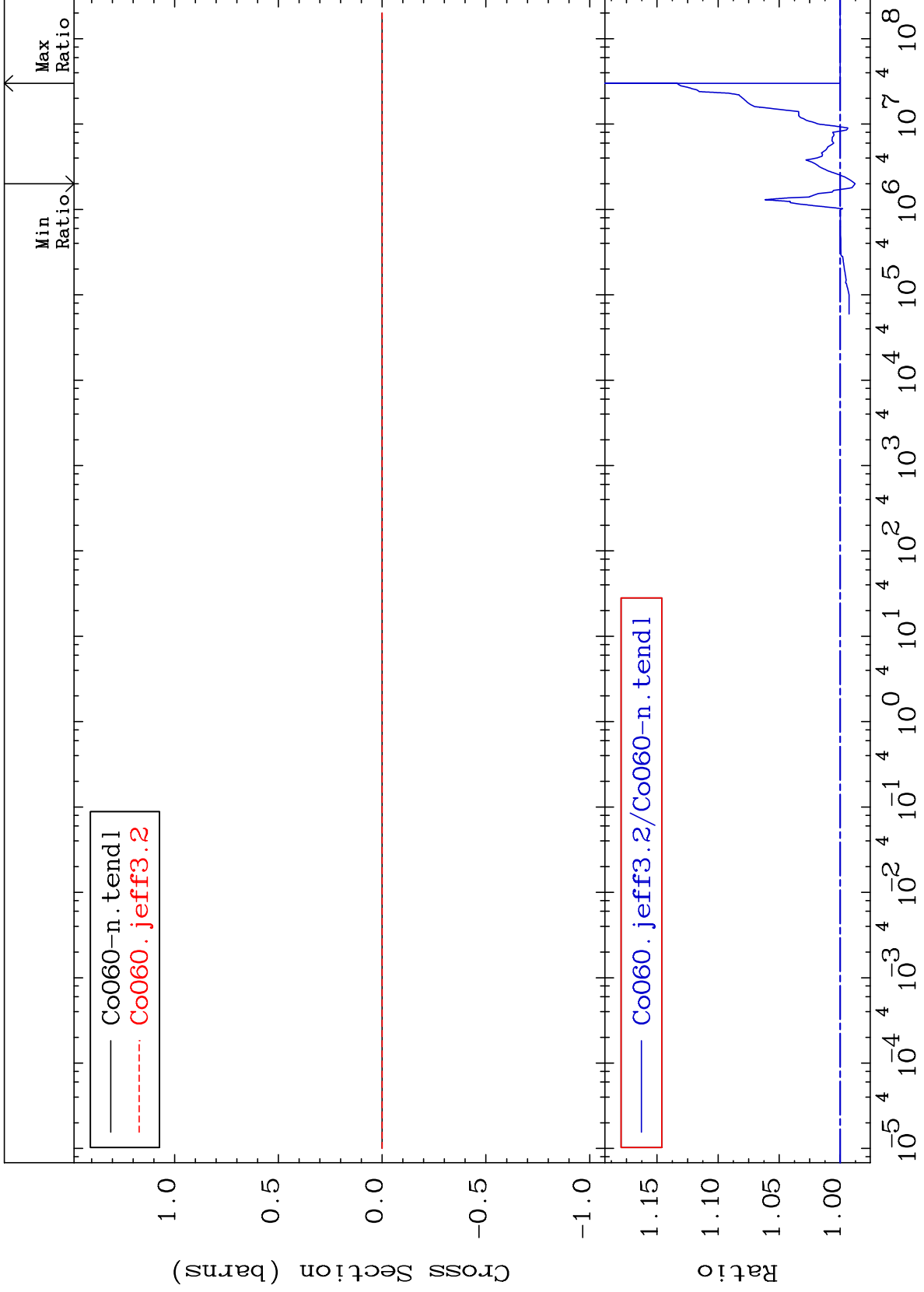




MAT 2728

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

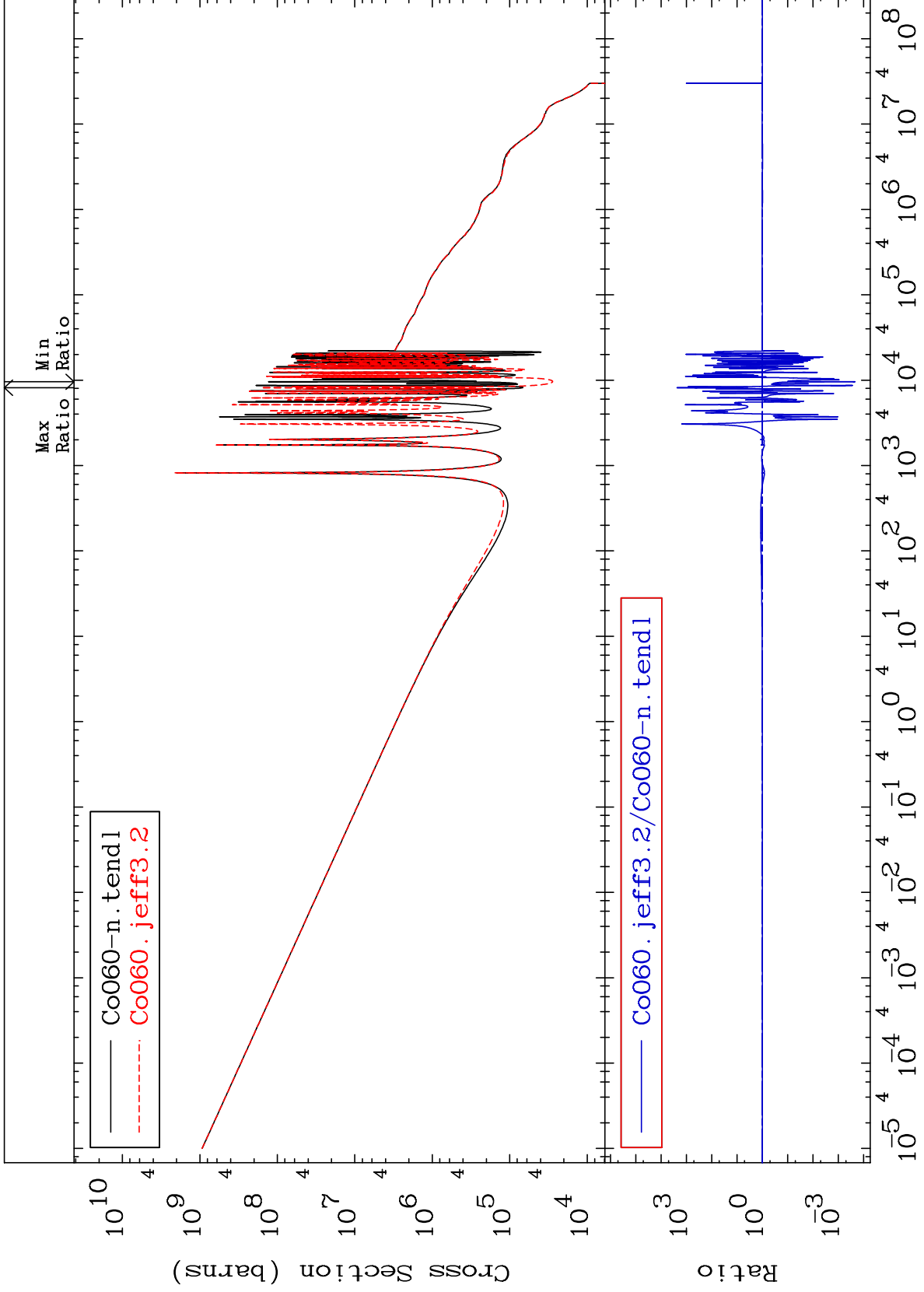
27-Co-60
-1.215 To 13.37 %



MAT 2728

Kerma capture (mt102)
Cross Section

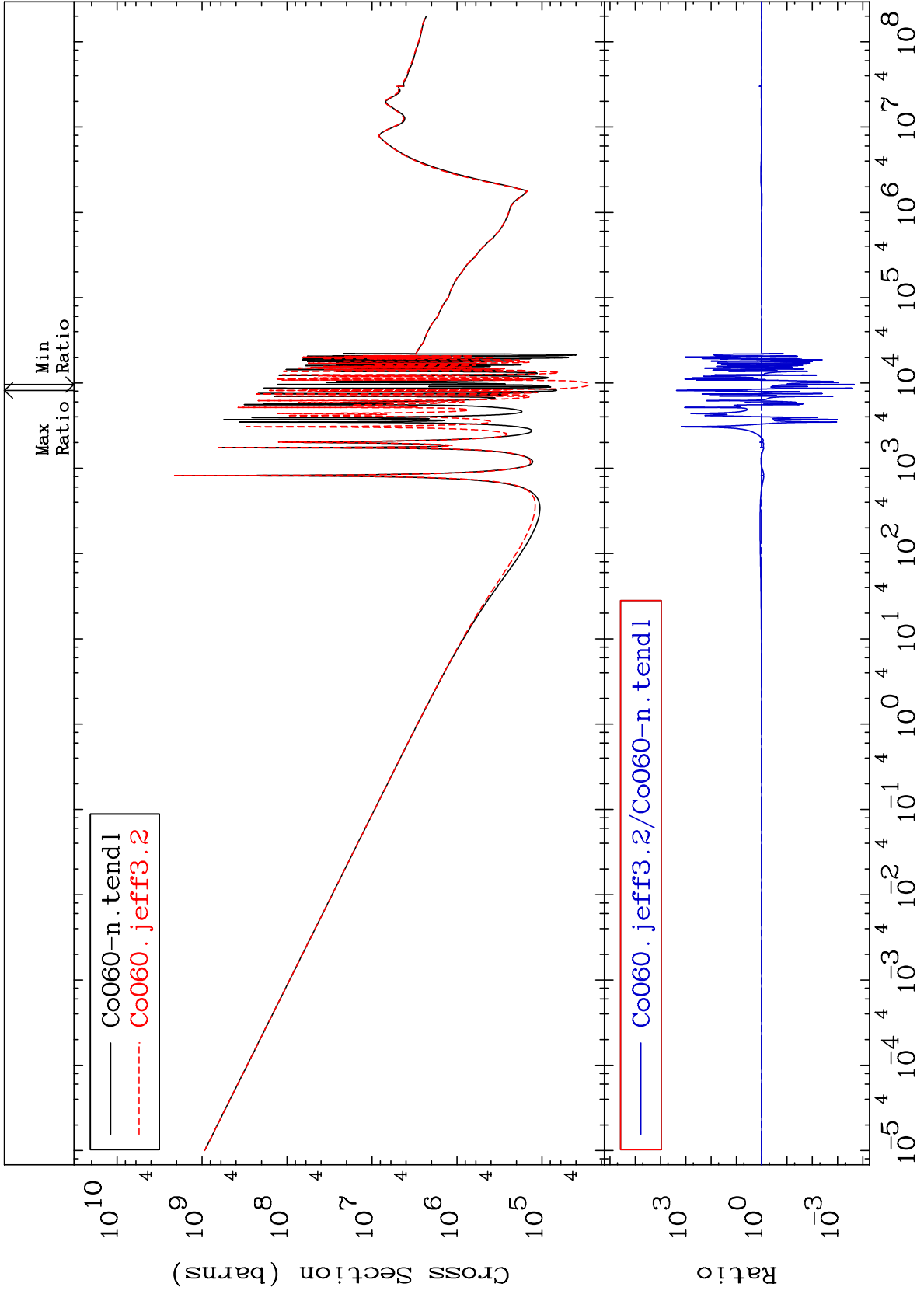
27-Co-60
-99.98 To 9999. %

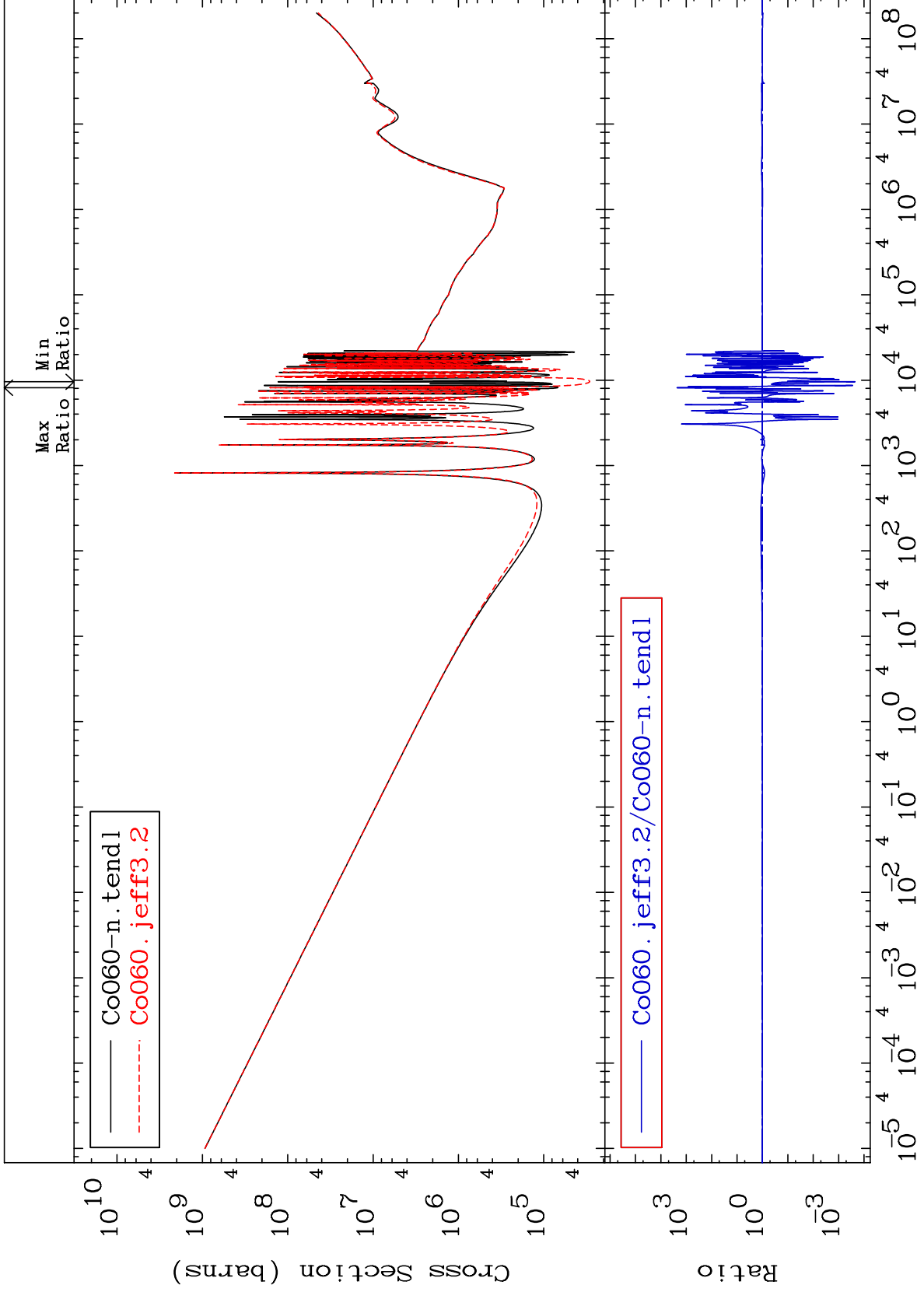


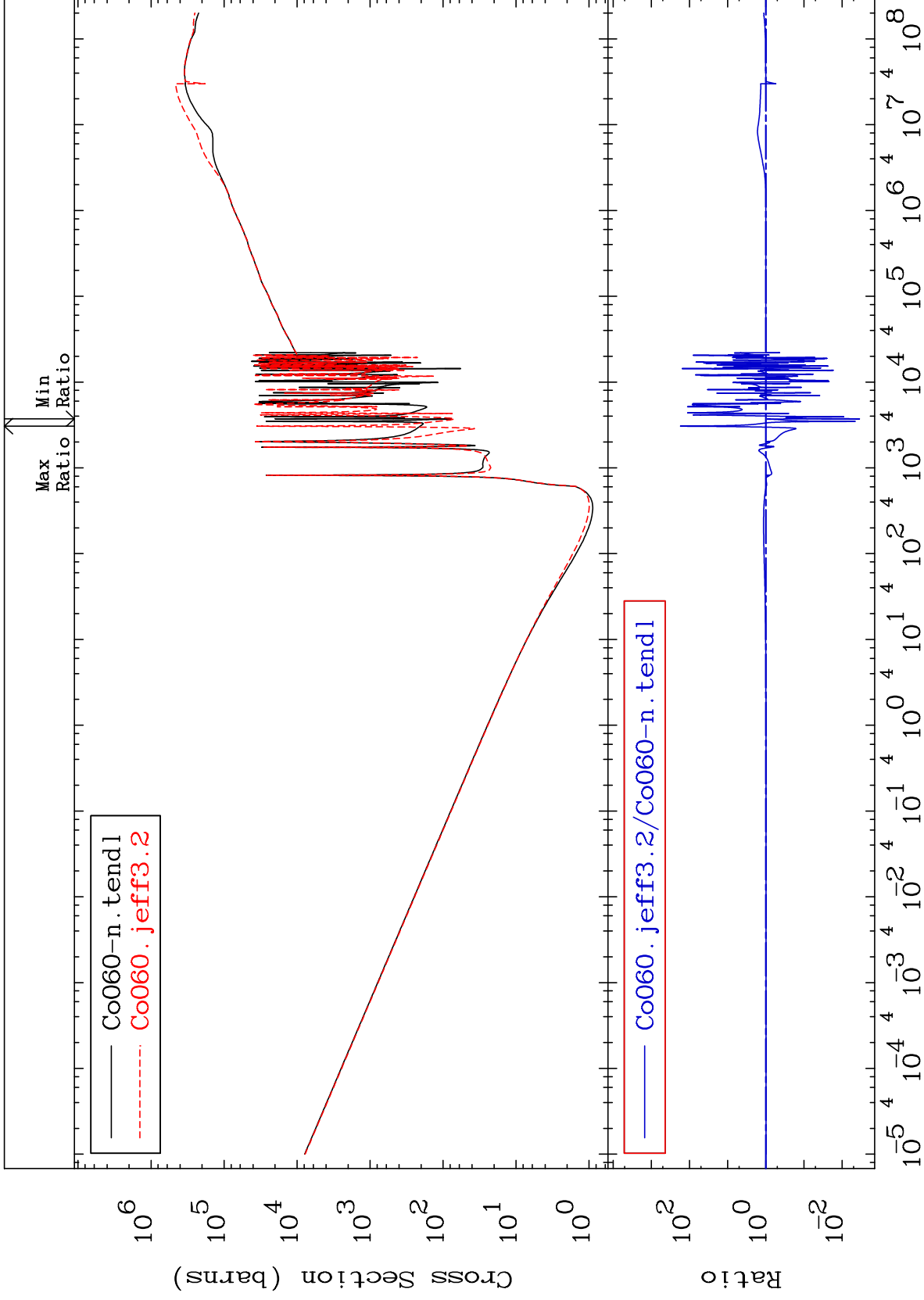
73

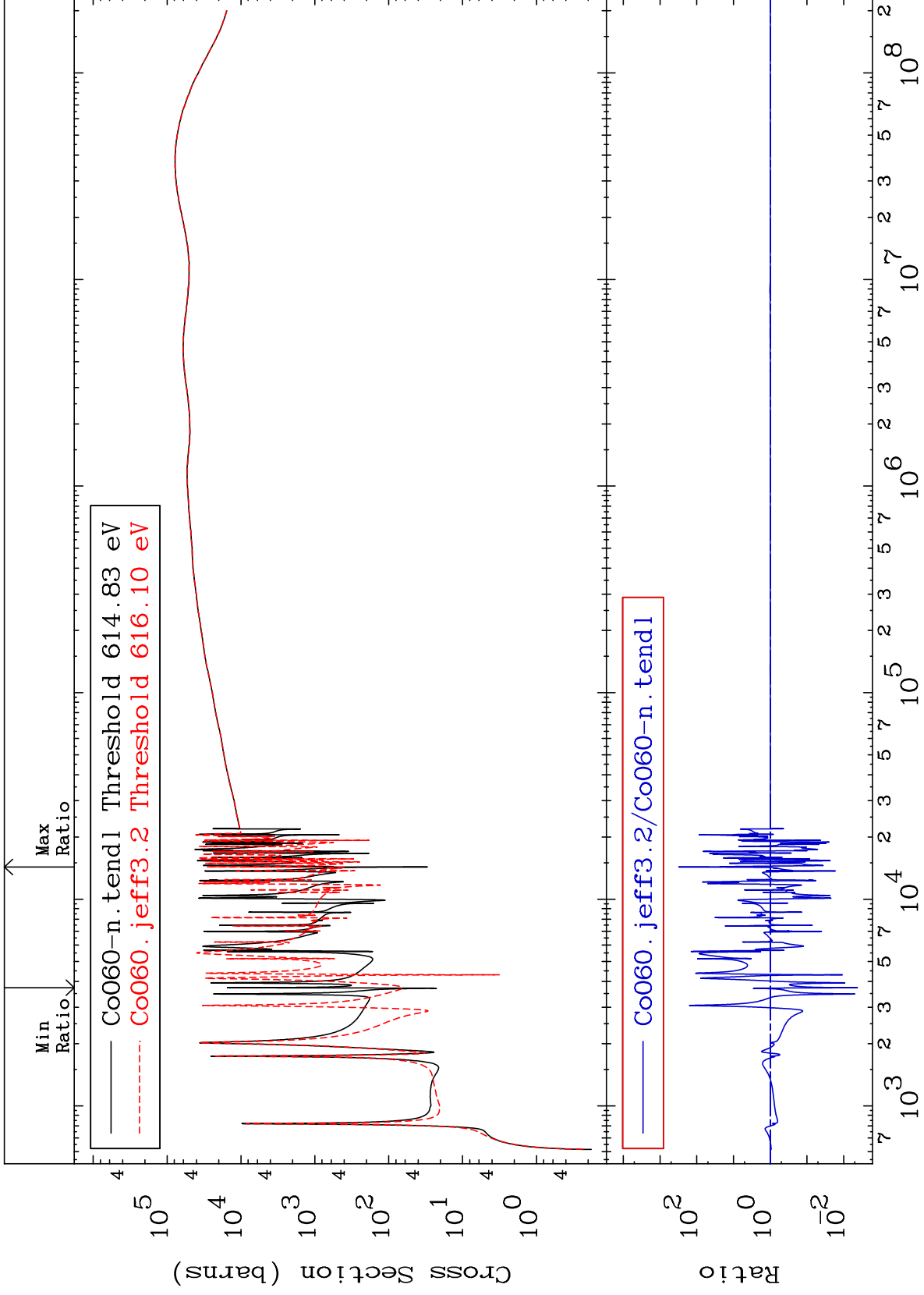
Incident Energy (eV)

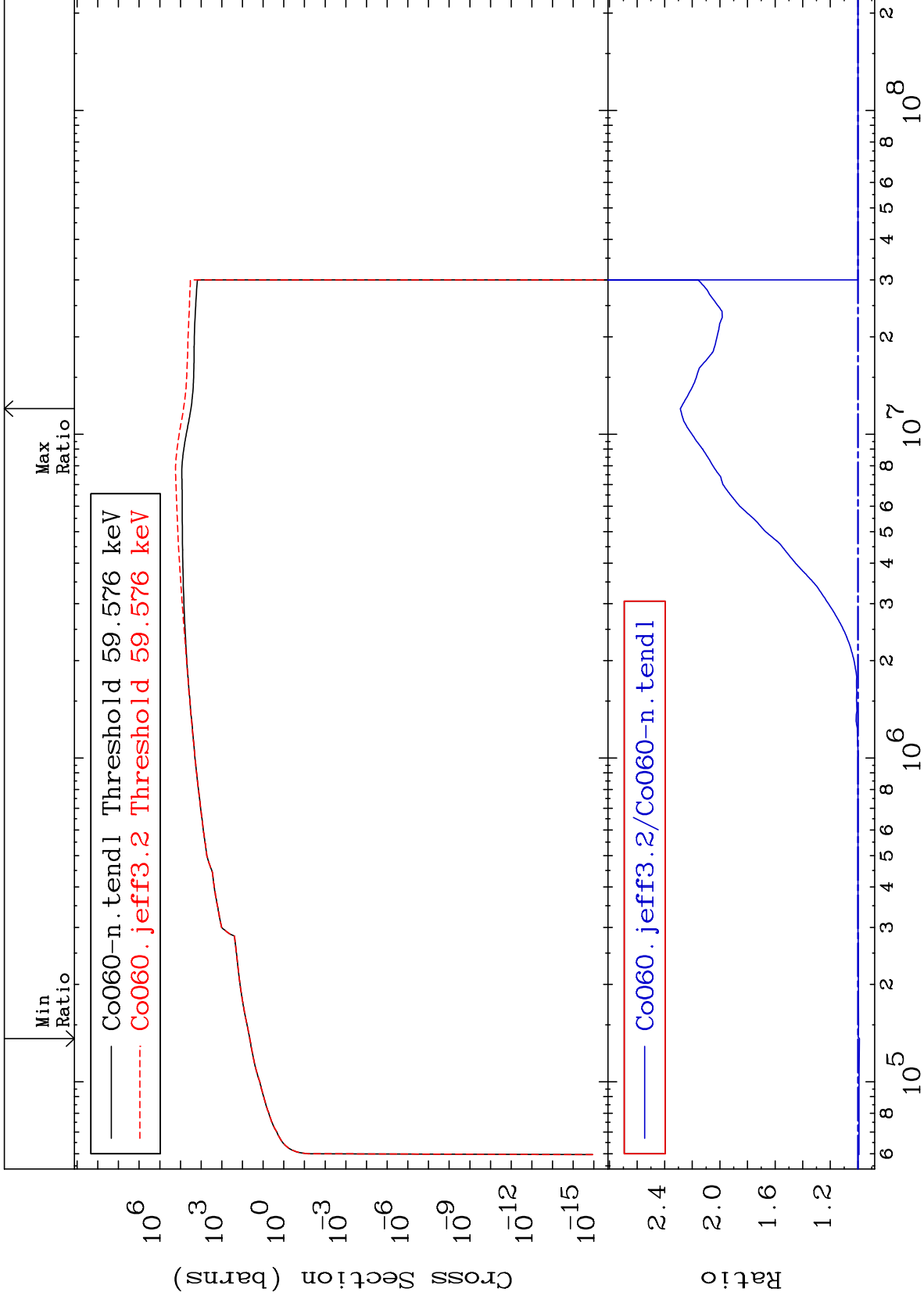
27-Co-60

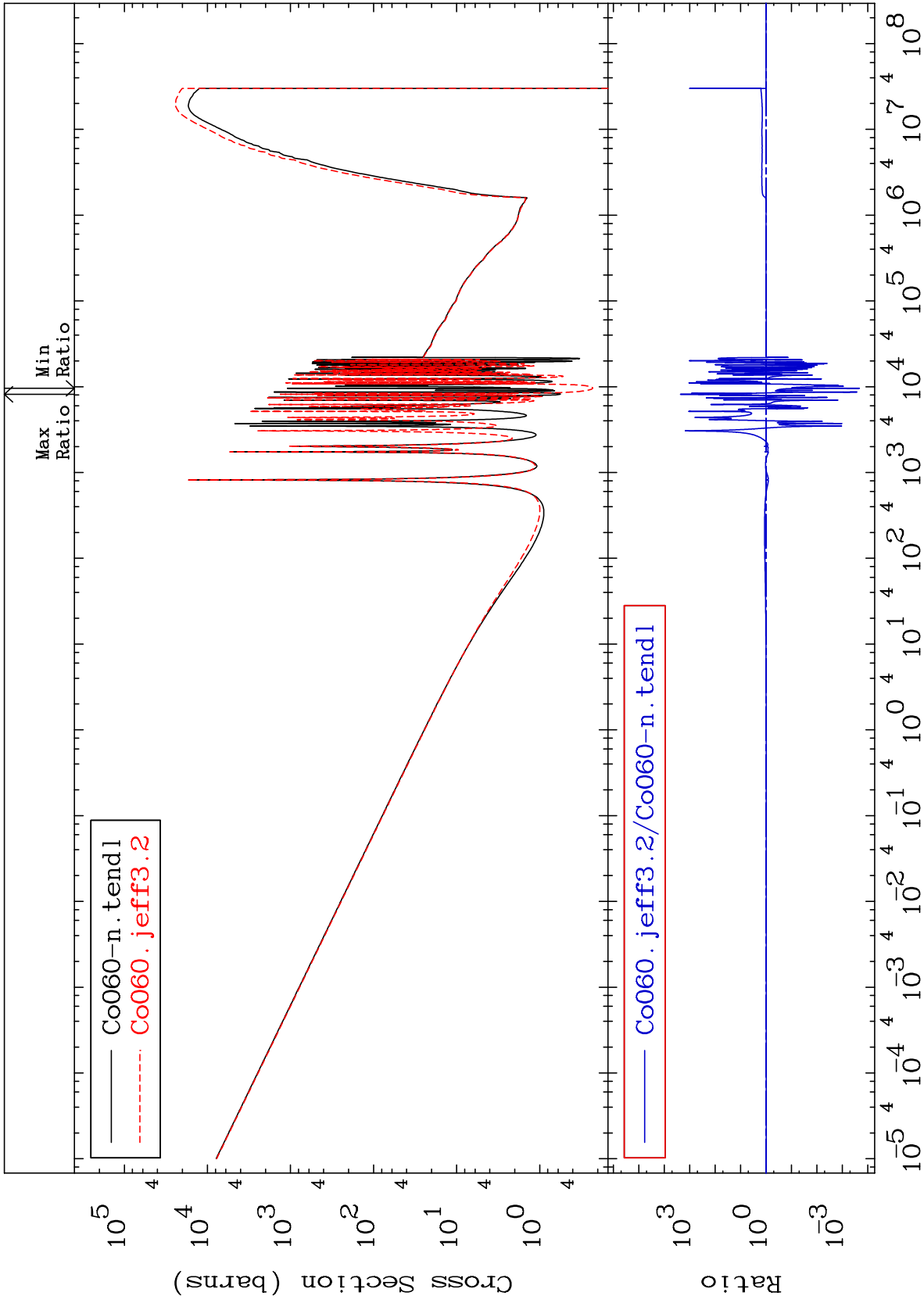








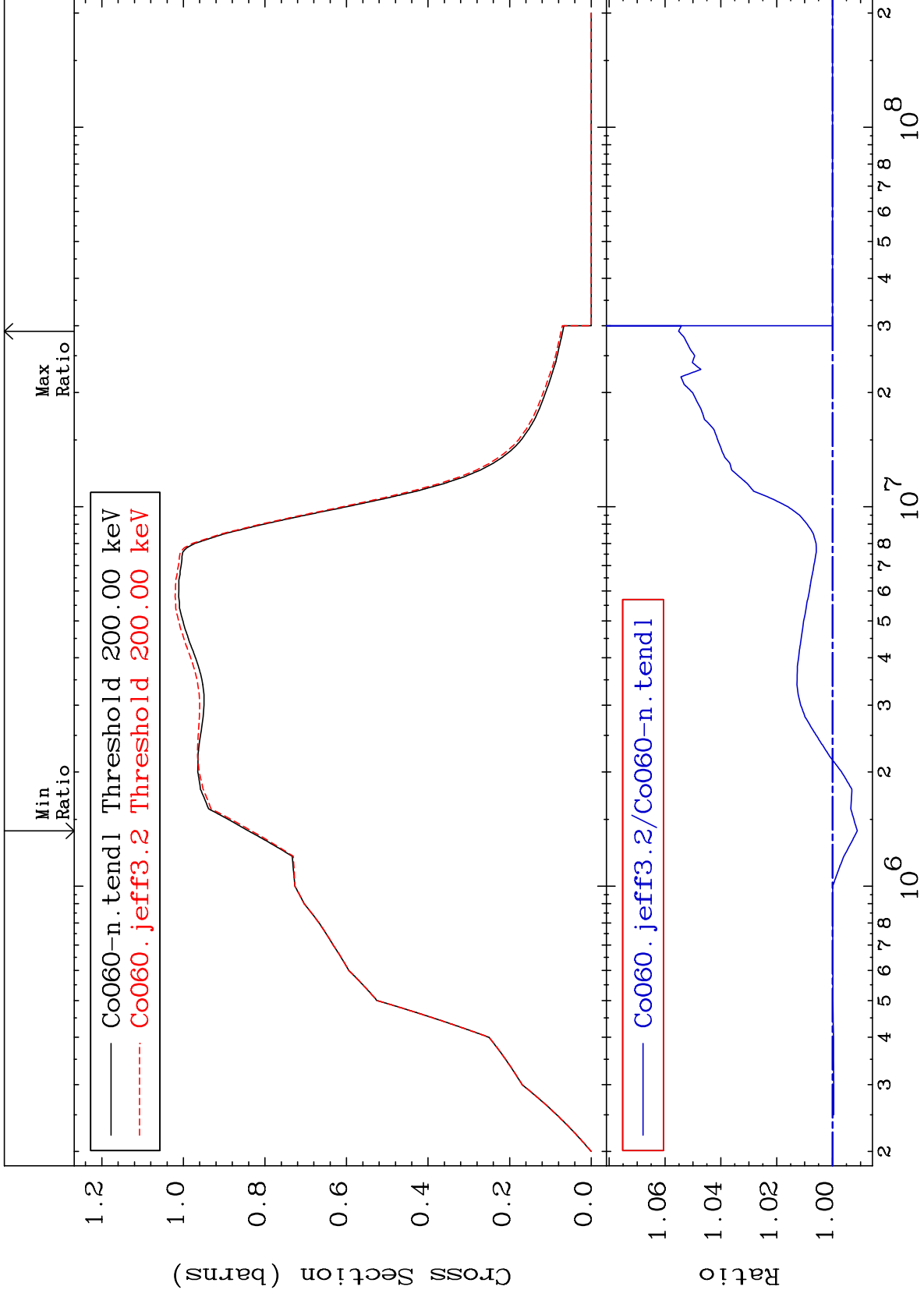




MAT 2728

Inelastic:27-Co-60
Radionuclide Production Cross Section -0.884 To 5.513 %

27-Co-60



80

Incident Energy (eV)

27-Co-60

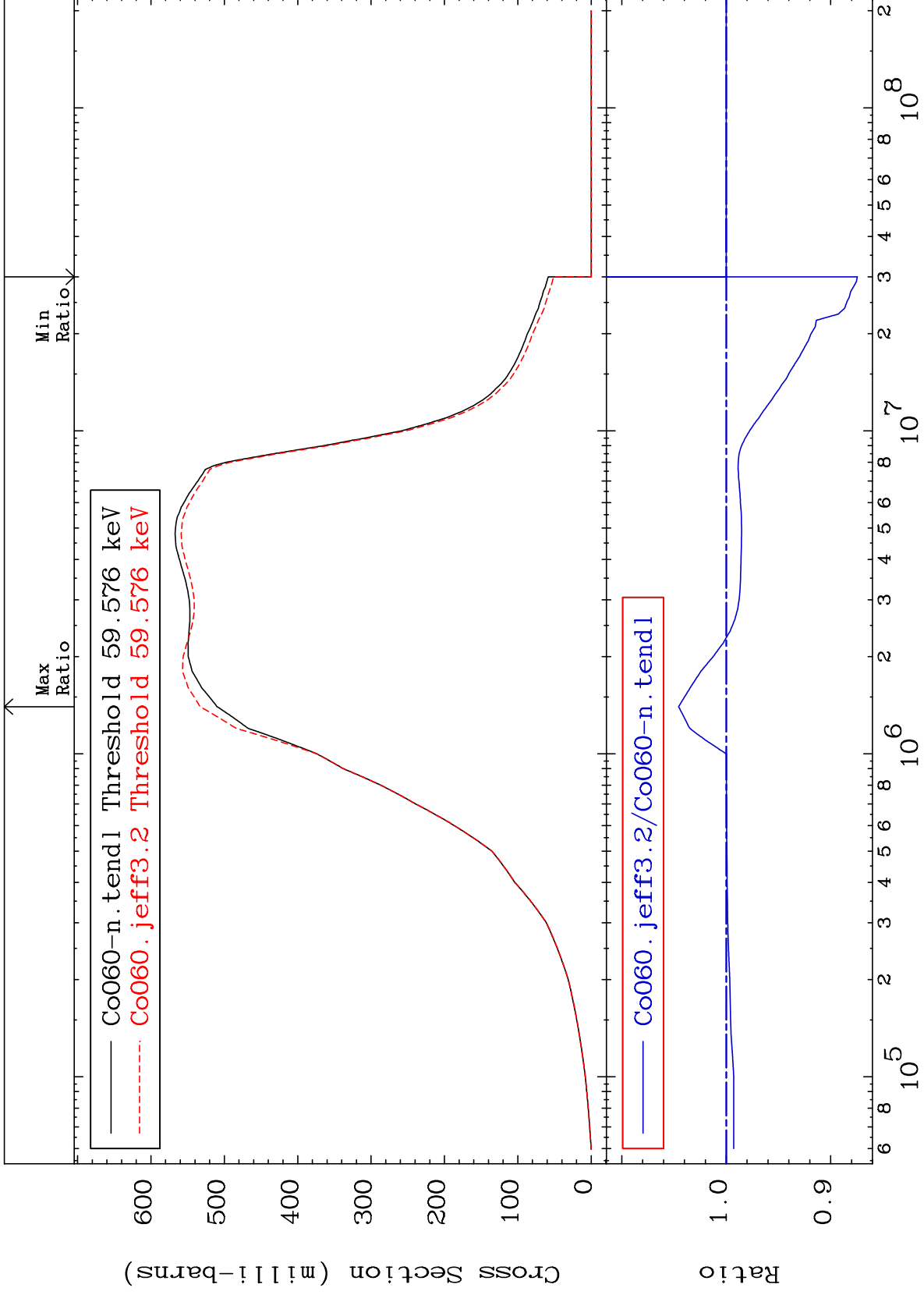
MAT 2728

Inelastic:27-Co-60m1

27-Co-60

Radionuclide Production Cross Section

-12.55 To 4.558 %



81

Incident Energy (eV)

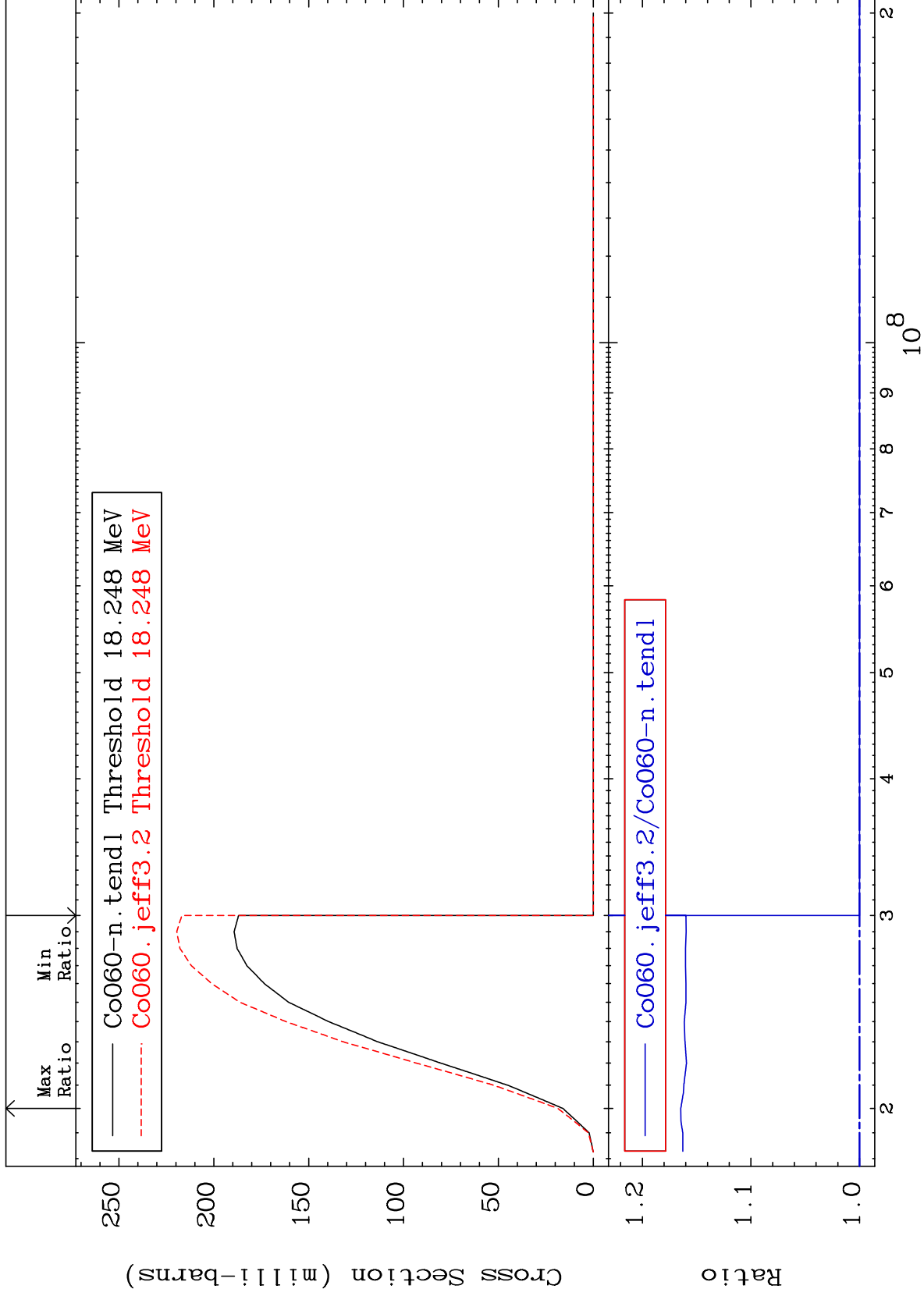
27-Co-60

MAT 2728

(n,3n):27-Co-58g

27-Co-60

Radionuclide Production Cross Section 0.000 To 16.46 %

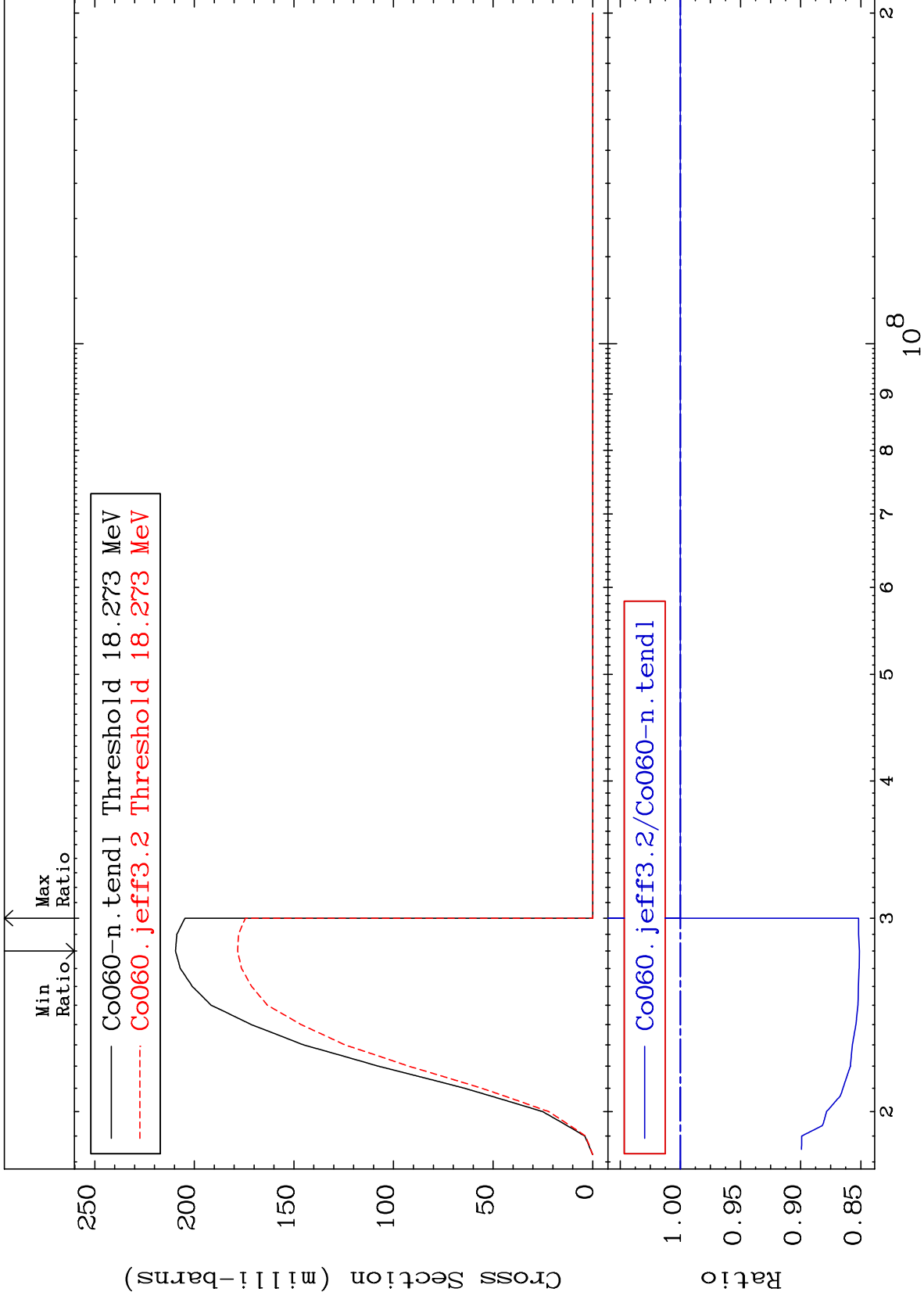


82

Incident Energy (eV)

27-Co-60

Radionuclide Production Cross Section -14.89 To 0.000 %

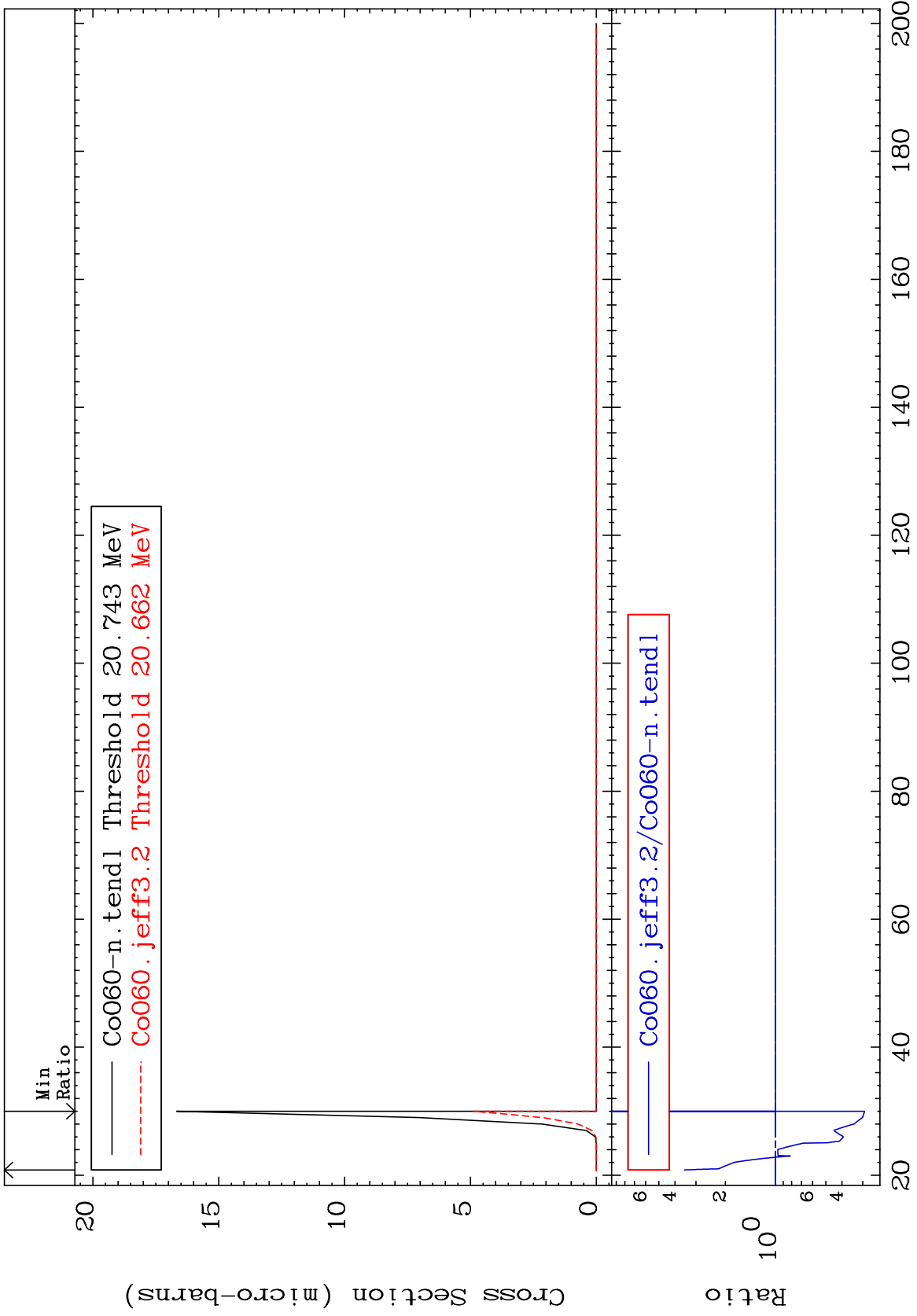


MAT 2728

(n,2n) p:25-Mn-58g

27-Co-60

Radionuclide Production Cross Section -70.75 To 251.3 %

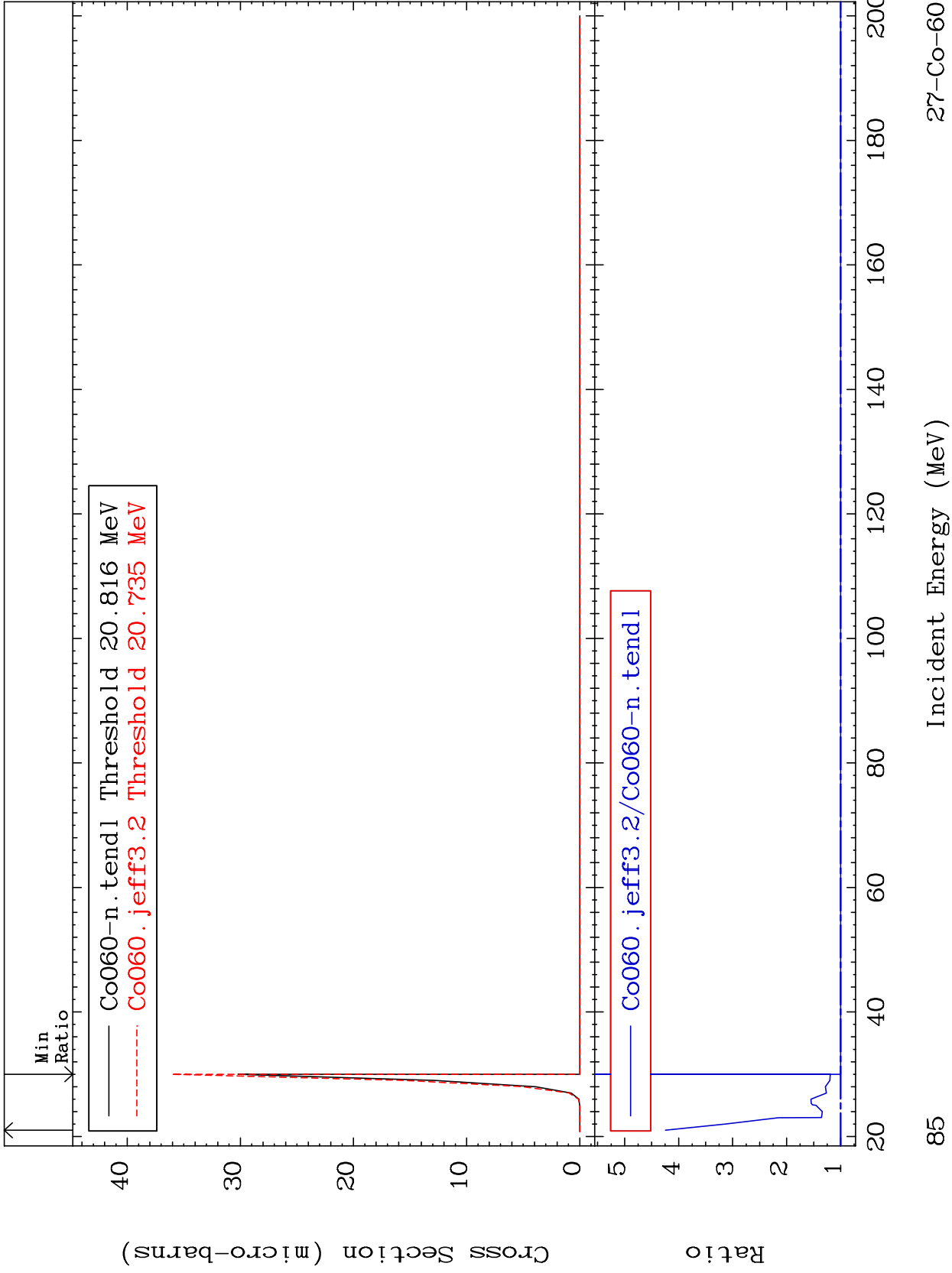


MAT 2728

(n,2n) p:25-Mn-58m1

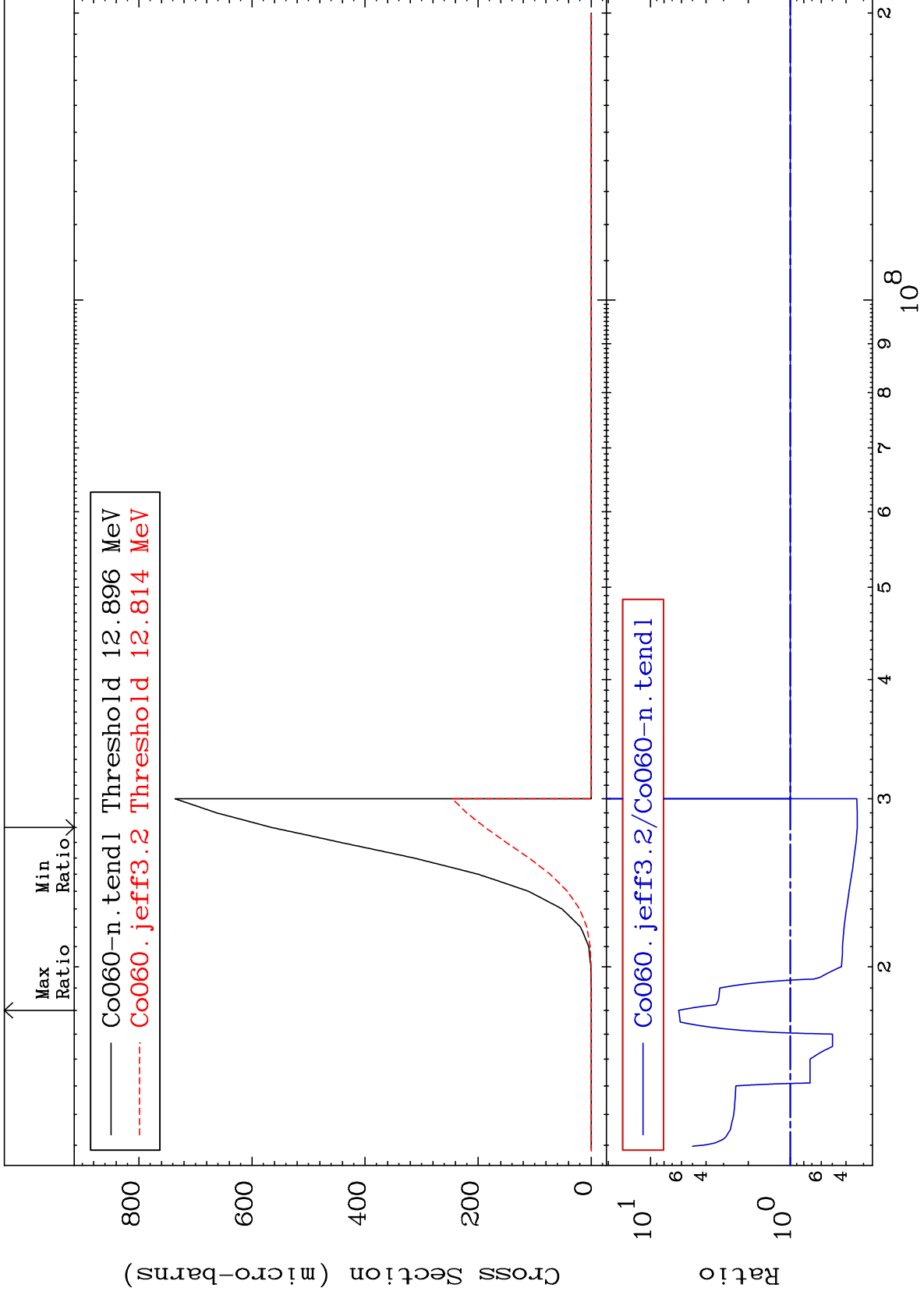
27-Co-60

Radionuclide Production Cross Section 0.000 To 324.3 %

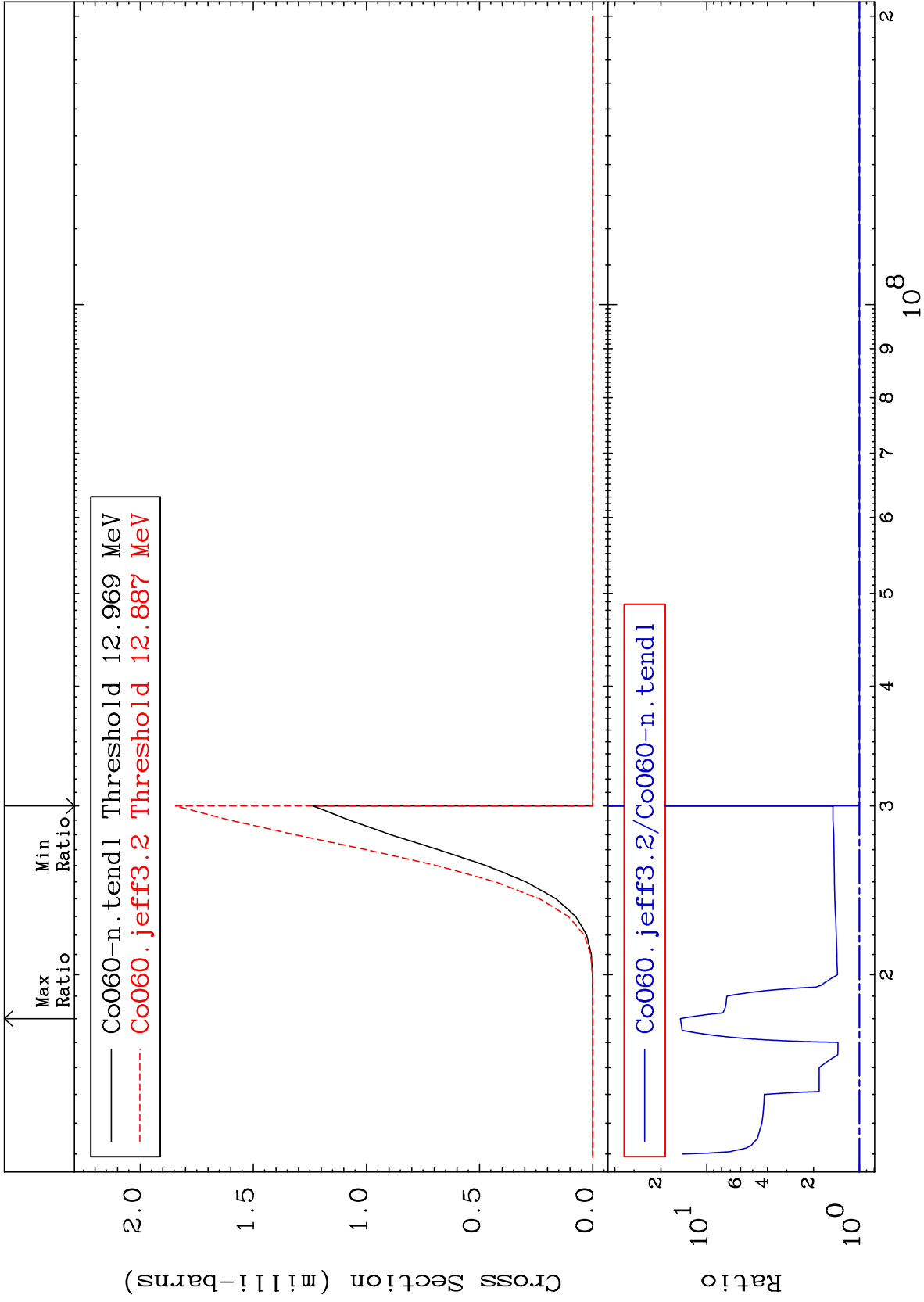


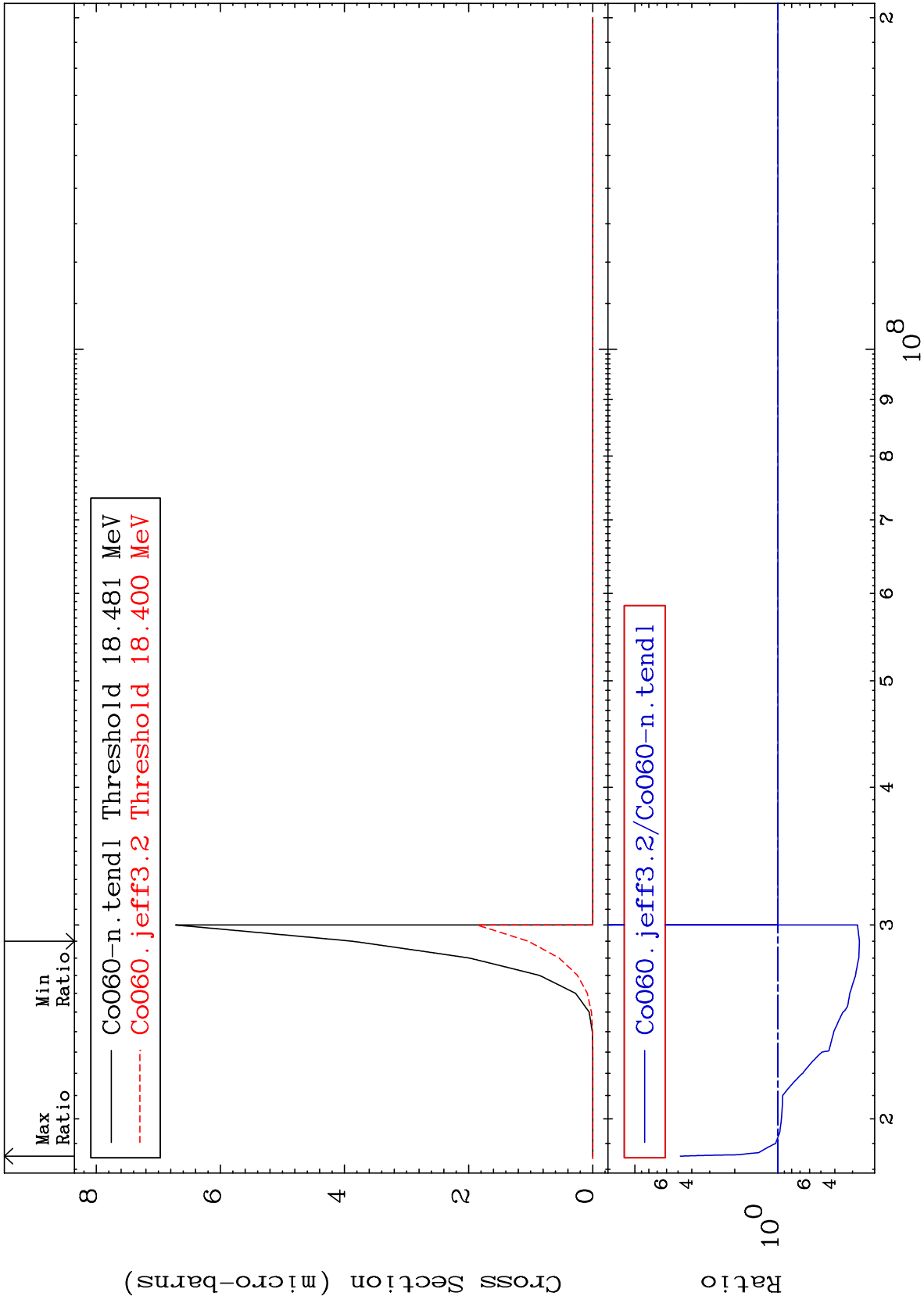
85

Radionuclide Production Cross Section -66.80 To 528.6 %



Radionuclide Production Cross Section 0.000 To 1390. %





Radionuclide Production Cross Section 0.000 To 307.2 %

