

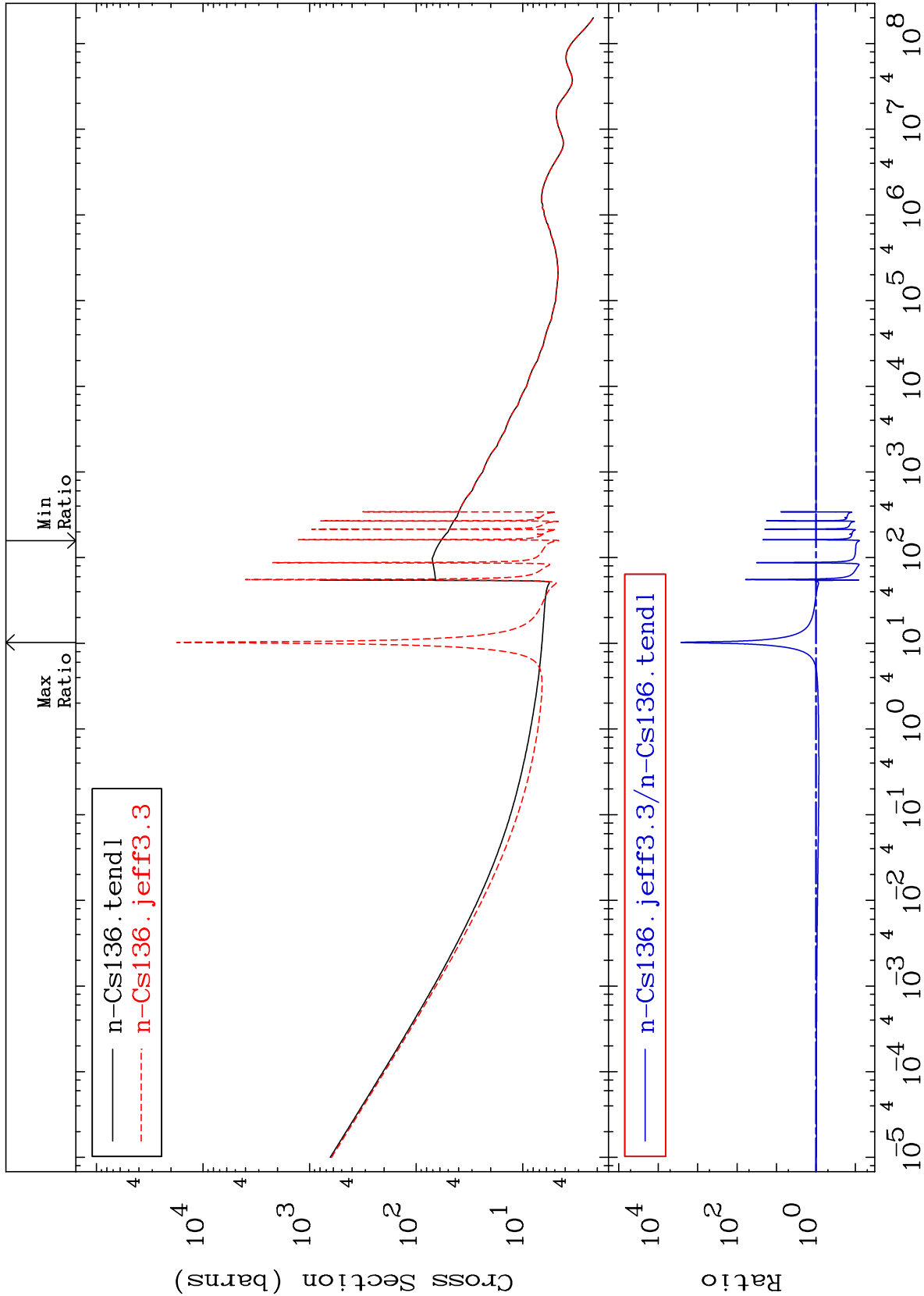
MAT 5534

55-Cs-136

-92.17 To 9999. %

Total

Cross Section

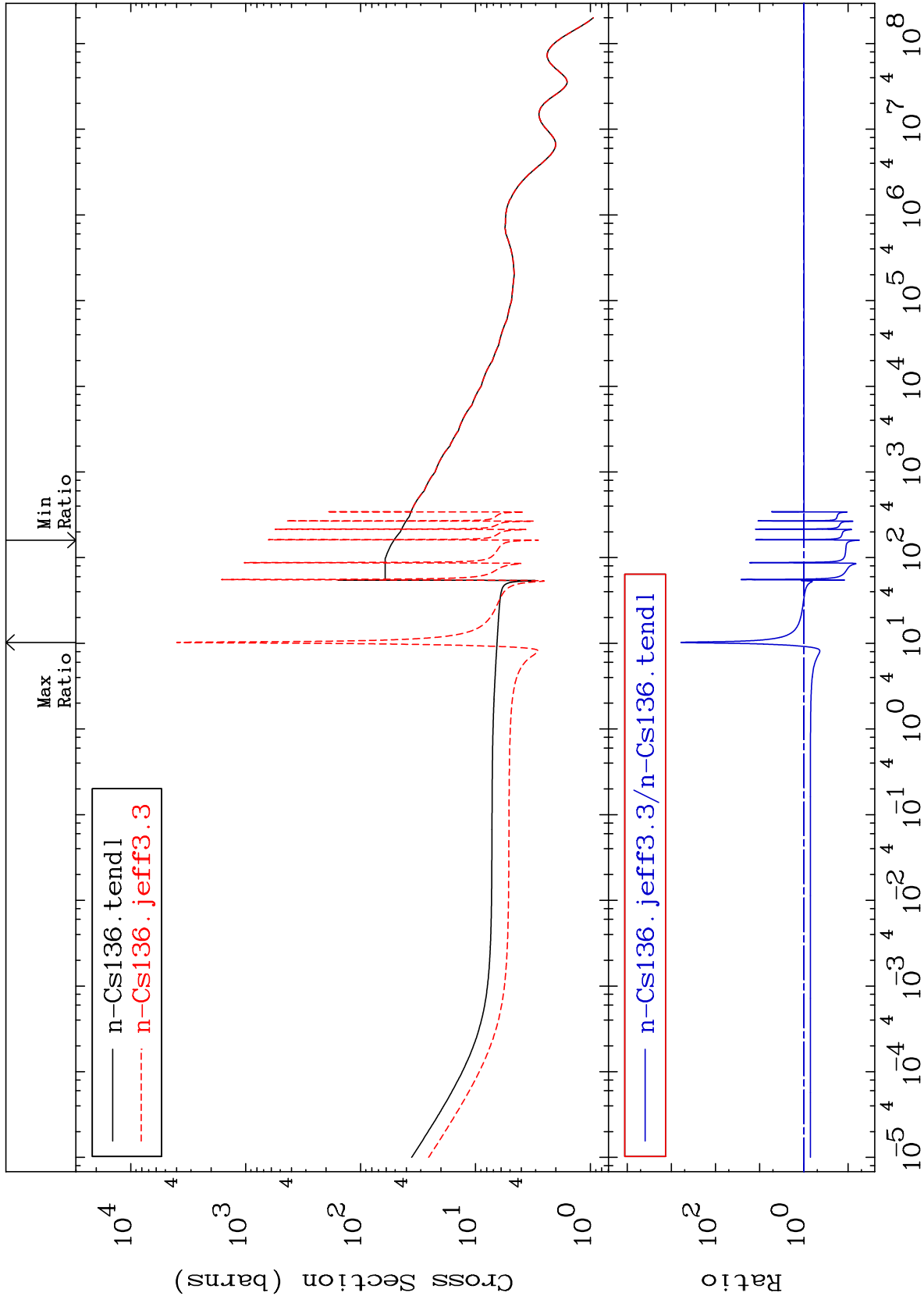


MAT 5534

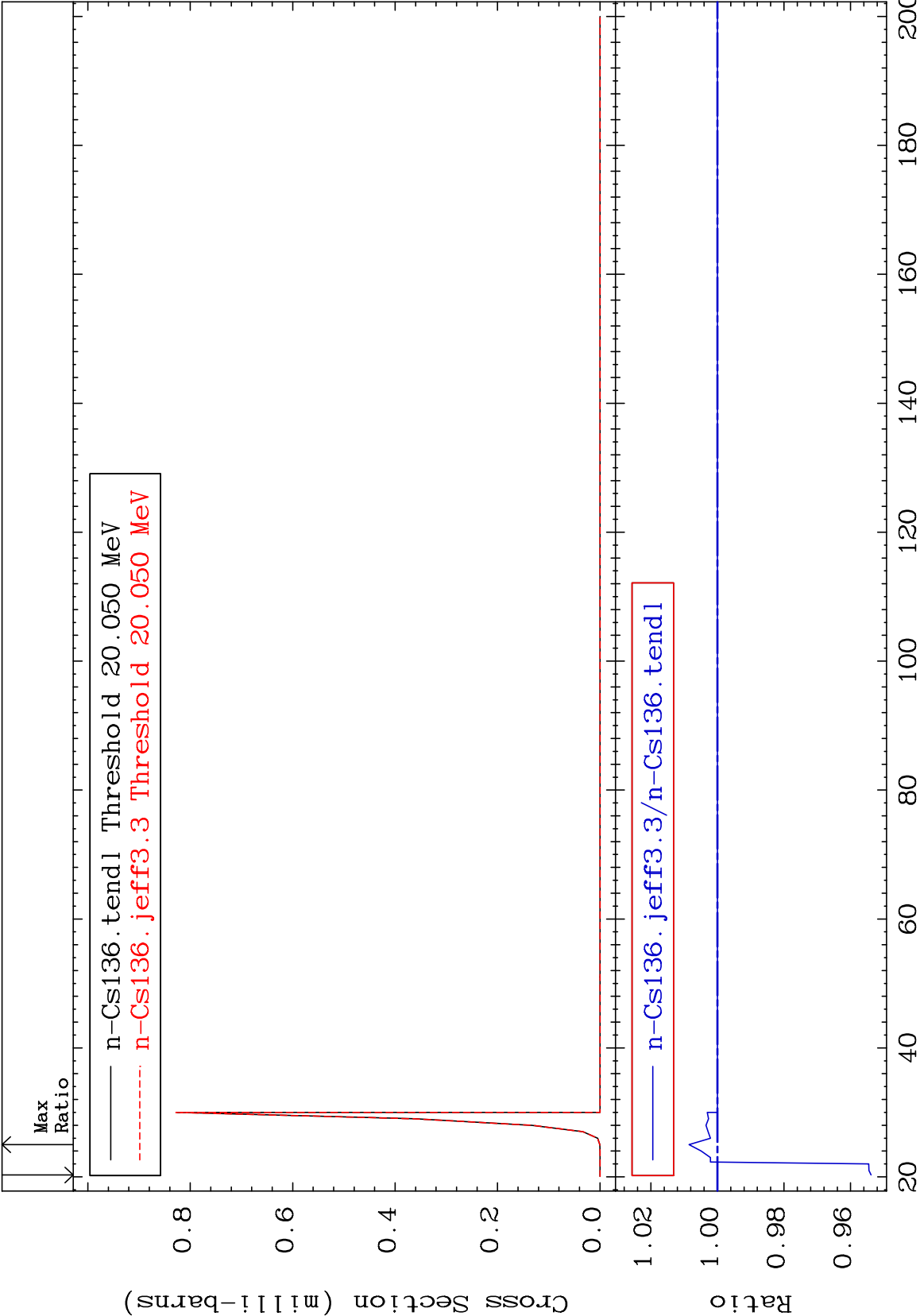
55-Cs-136

-94.50 To 9999. %

Elastic
Cross Section



55-Cs-136



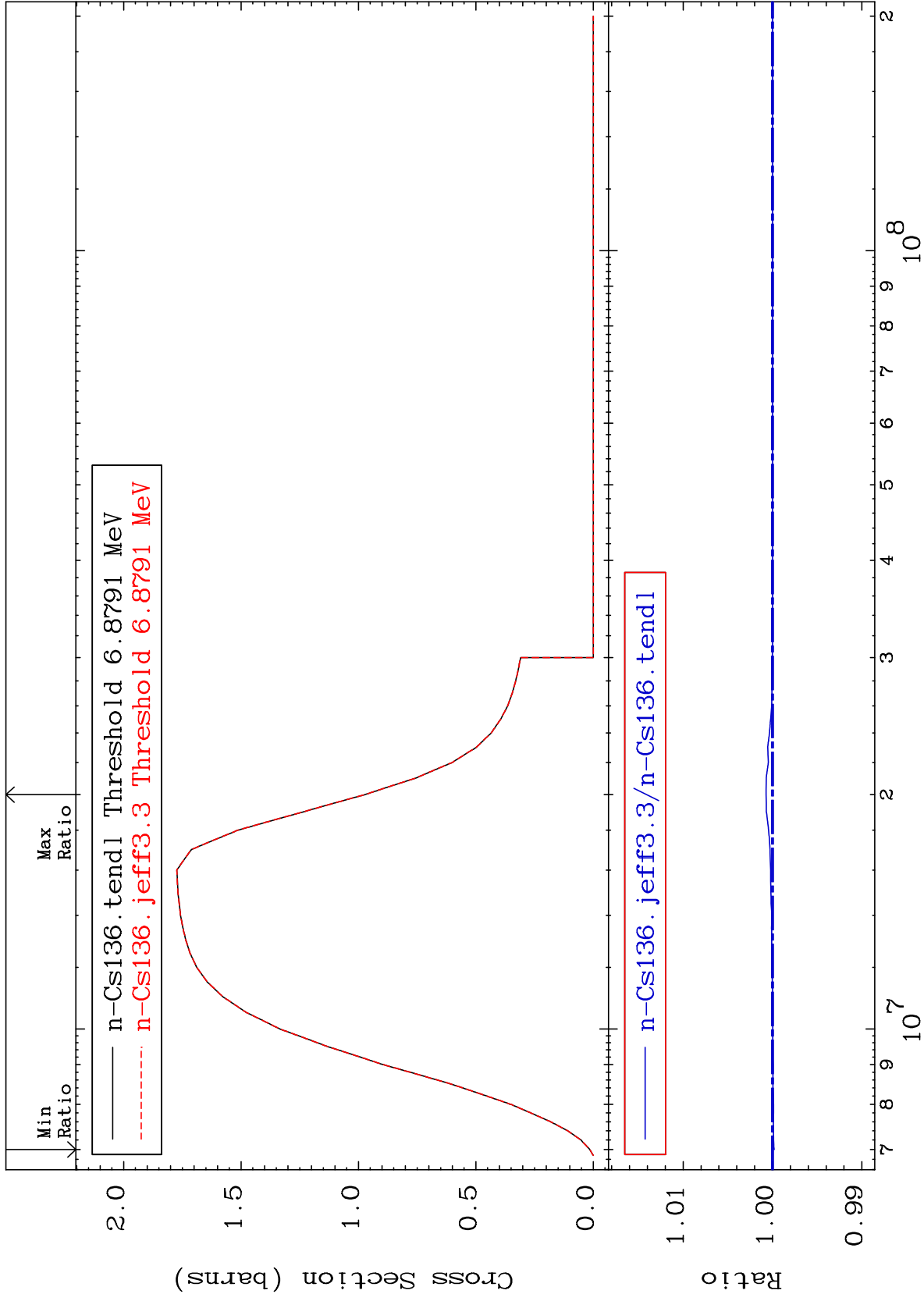
MAT 5534

(n,2n)

55-Cs-136

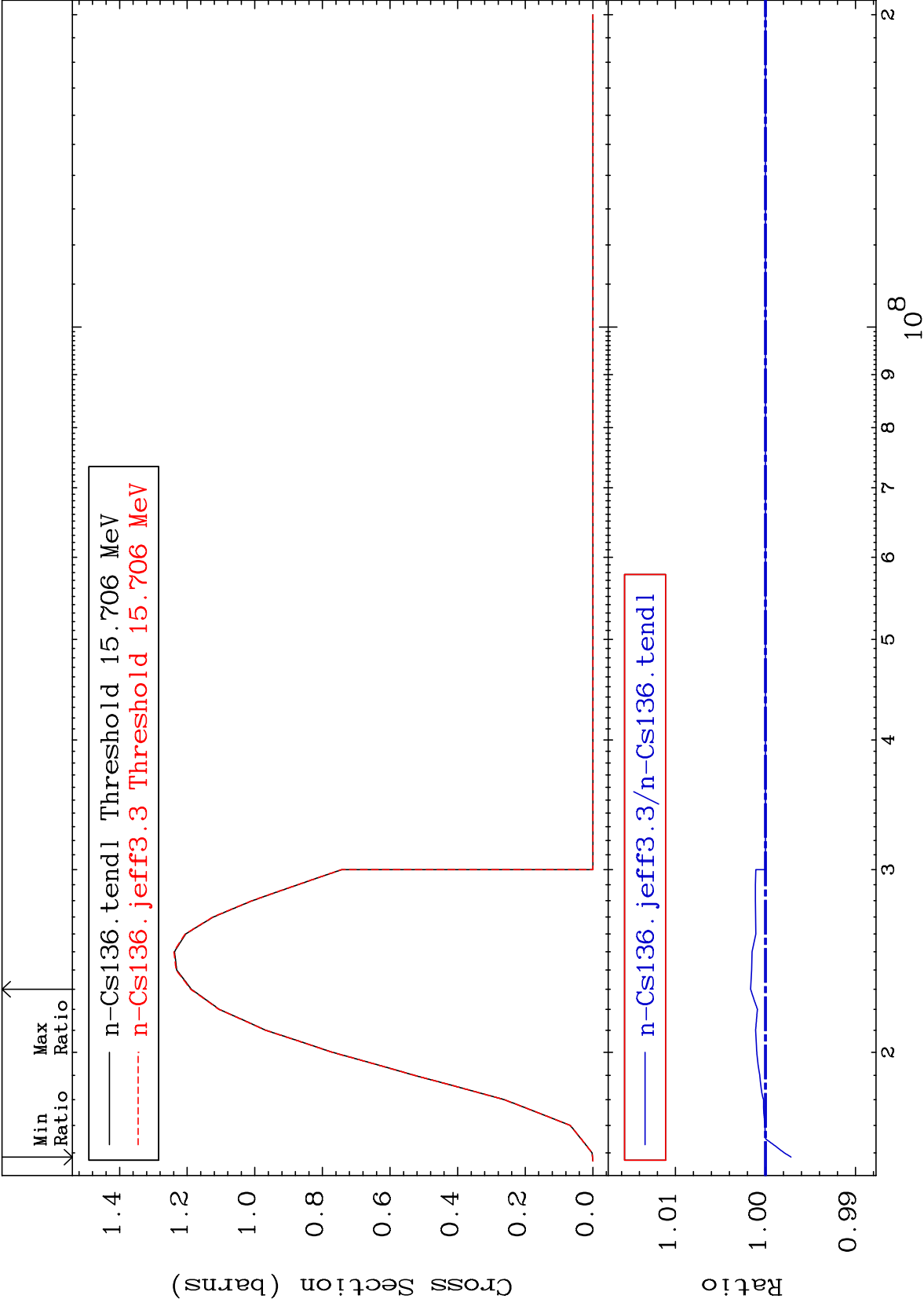
Cross Section

-0.018 To 0.071 %



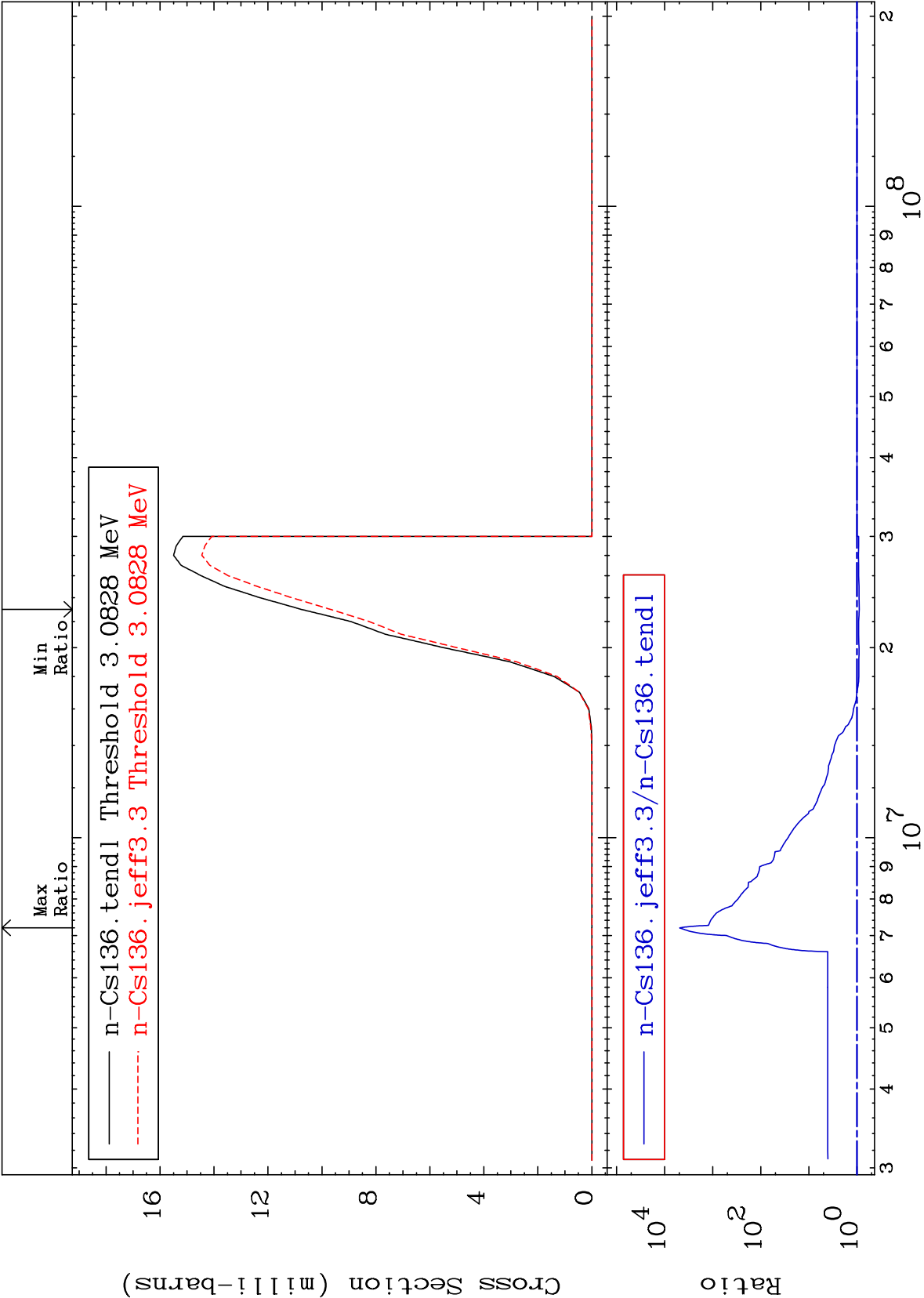
Cross Section

-0.284 To 0.165 %



MAT 5534

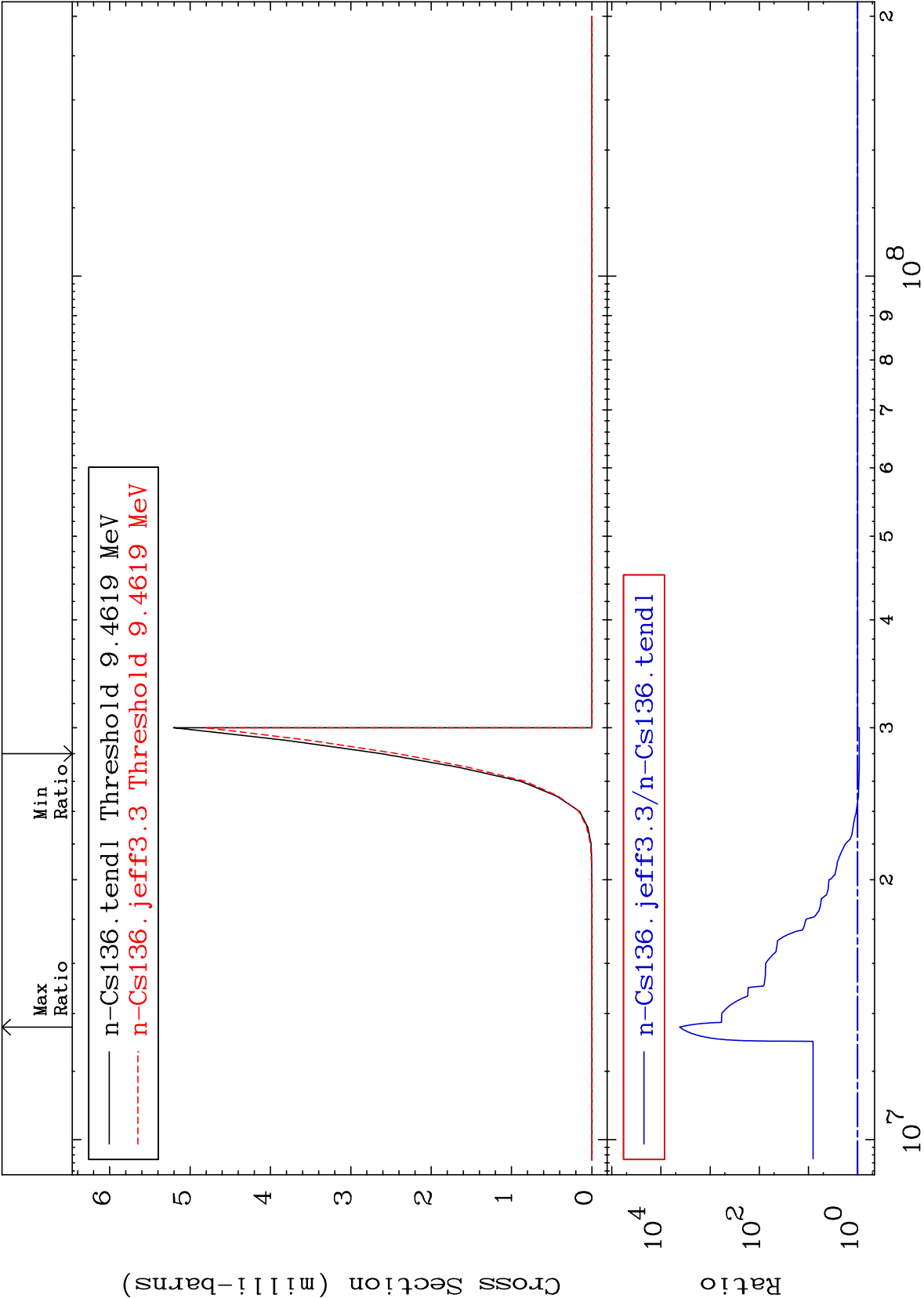
(n,n') α
Cross Section
55-Cs-136
-10.06 To 9999. %



MAT 5534

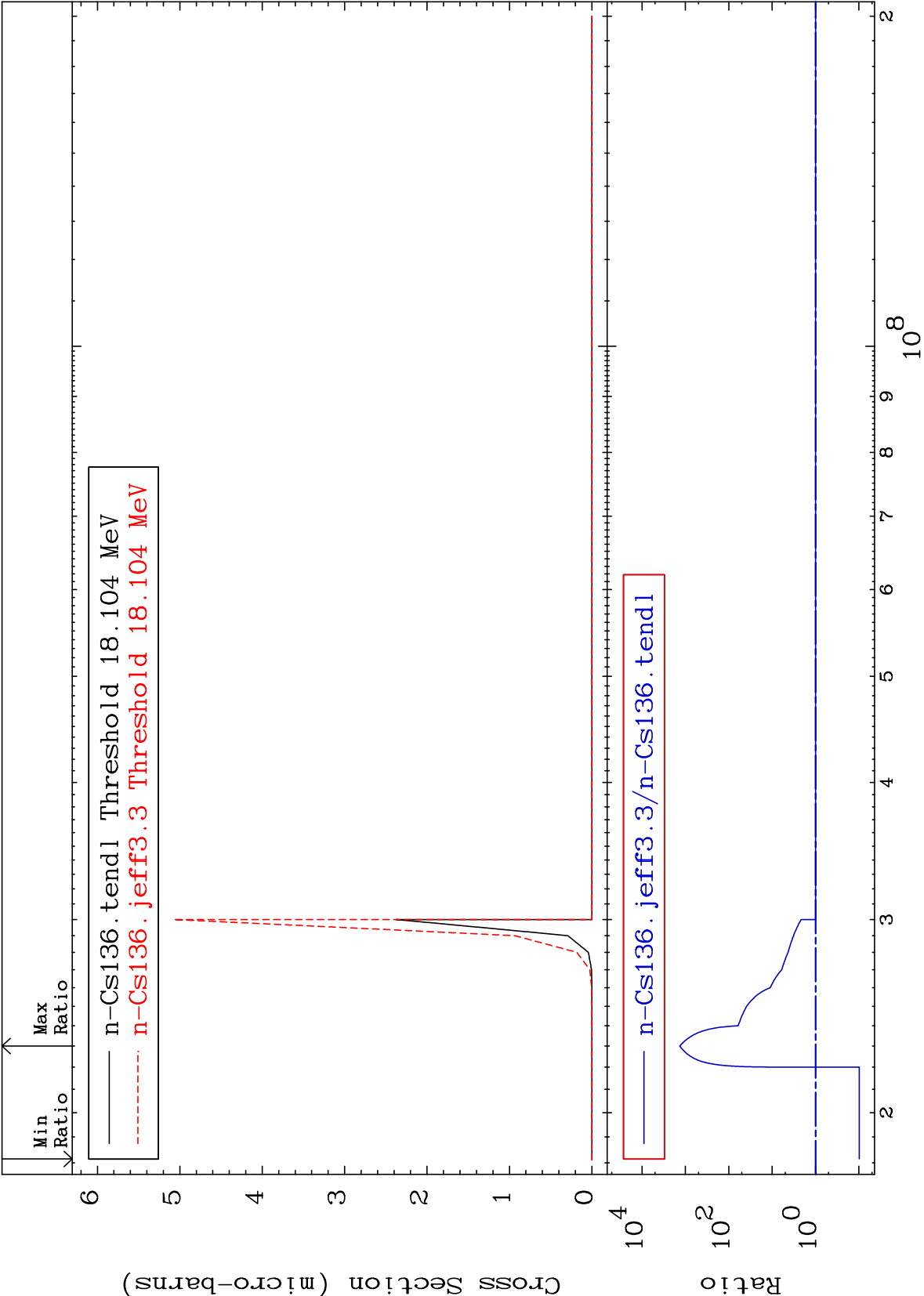
(n,2n) α
Cross Section

55-Cs-136
-7.690 To 9999. %



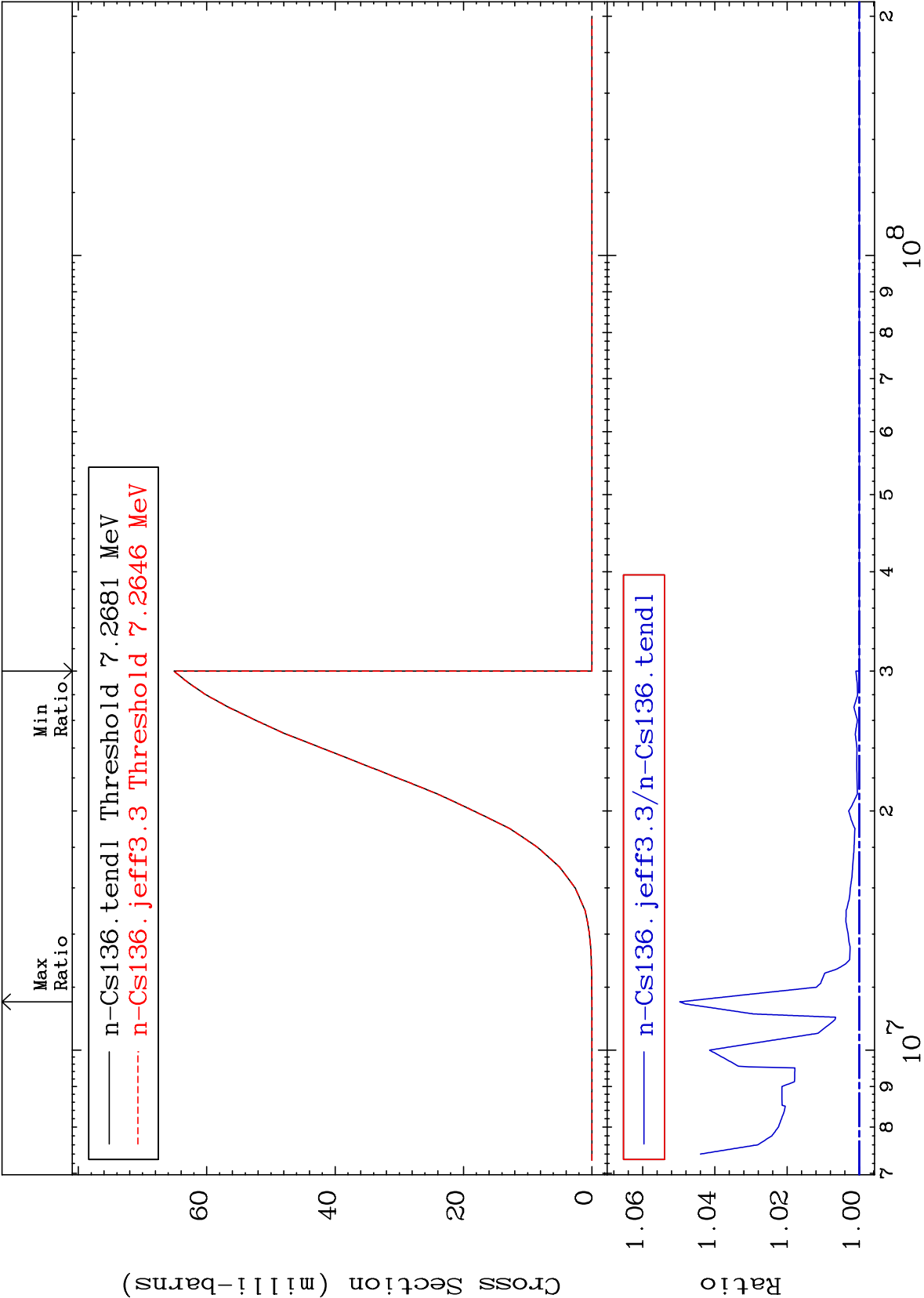
Incident Energy (eV)

55-Cs-136



MAT 5534

(n,n') p
Cross Section
55-Cs-136
0.000 To 4.974 %



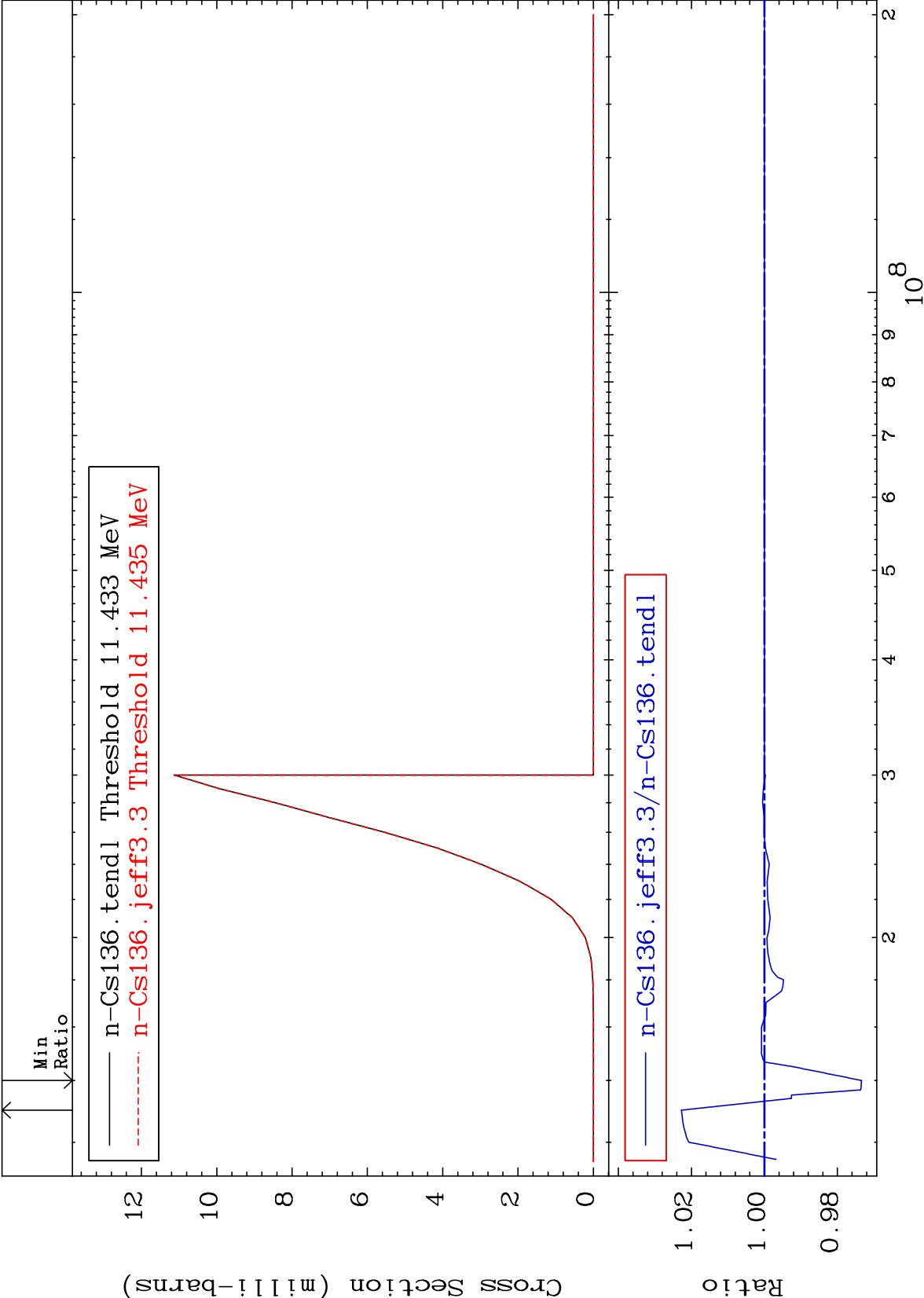
Incident Energy (eV)

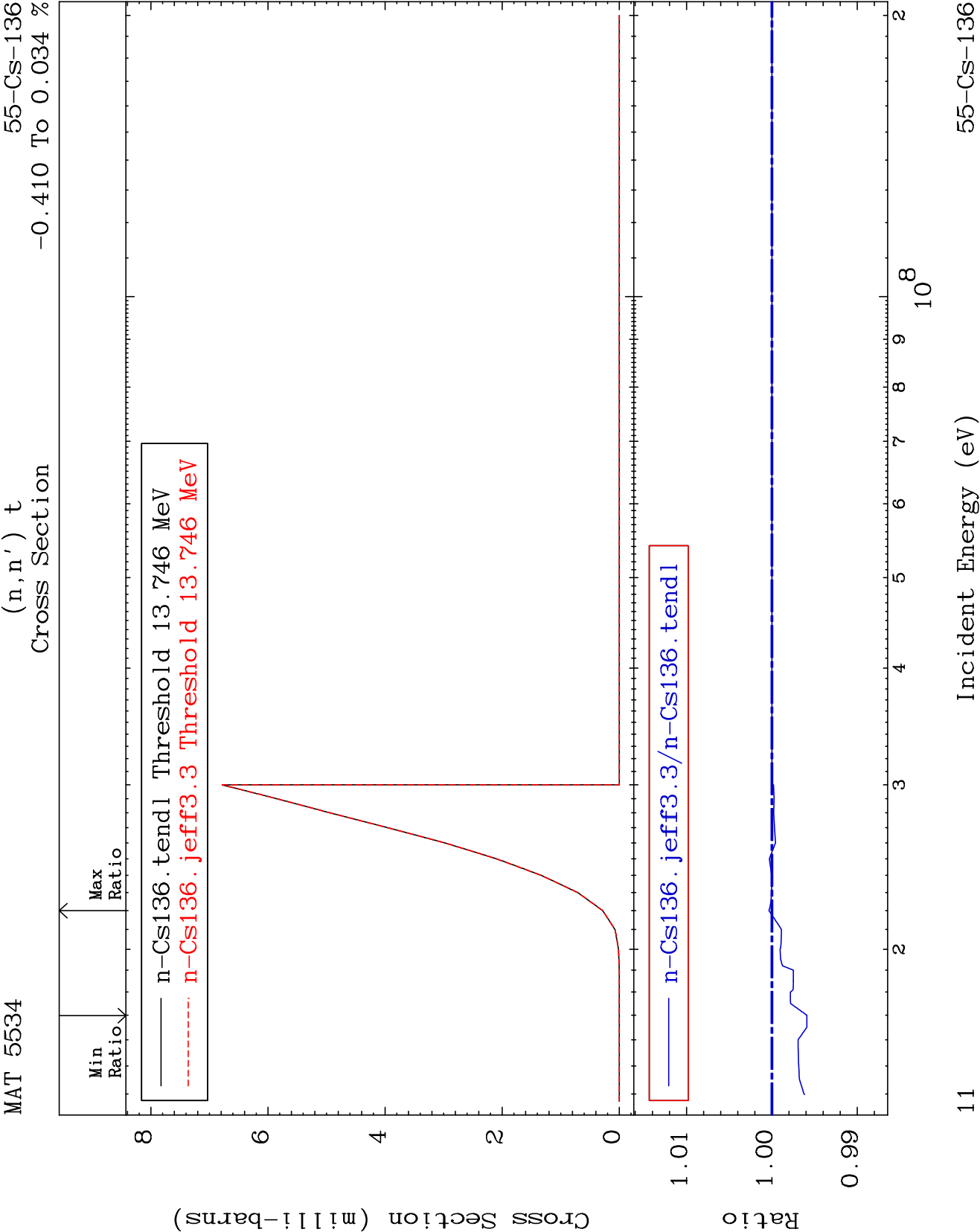
55-Cs-136

MAT 5534

(n,n') d
Cross Section

55-Cs-136
-2.658 To 2.272 %



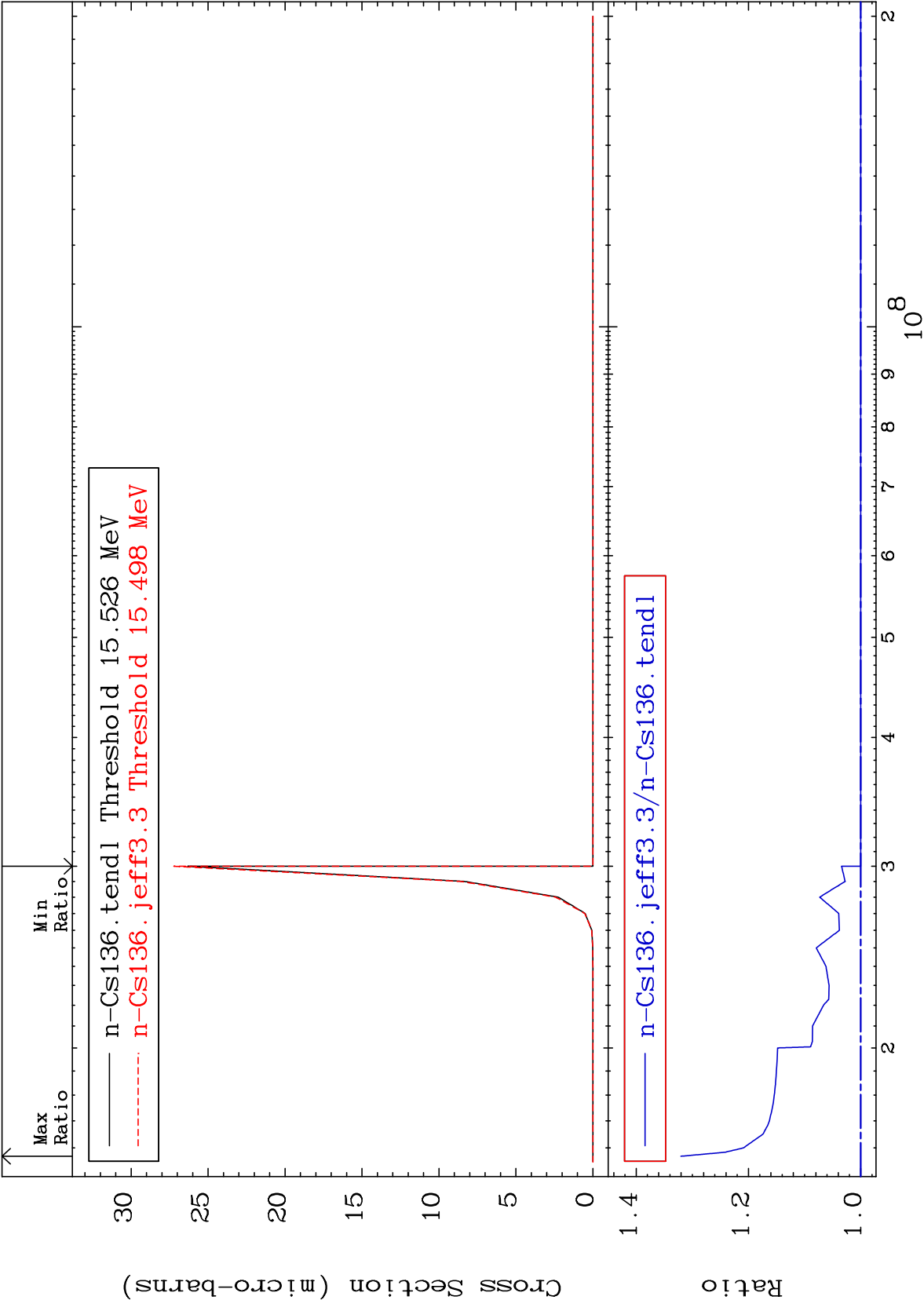


11

MAT 5534

(n,n') He-3
Cross Section

55-Cs-136
0.000 To 32.04 %



MAT 5534

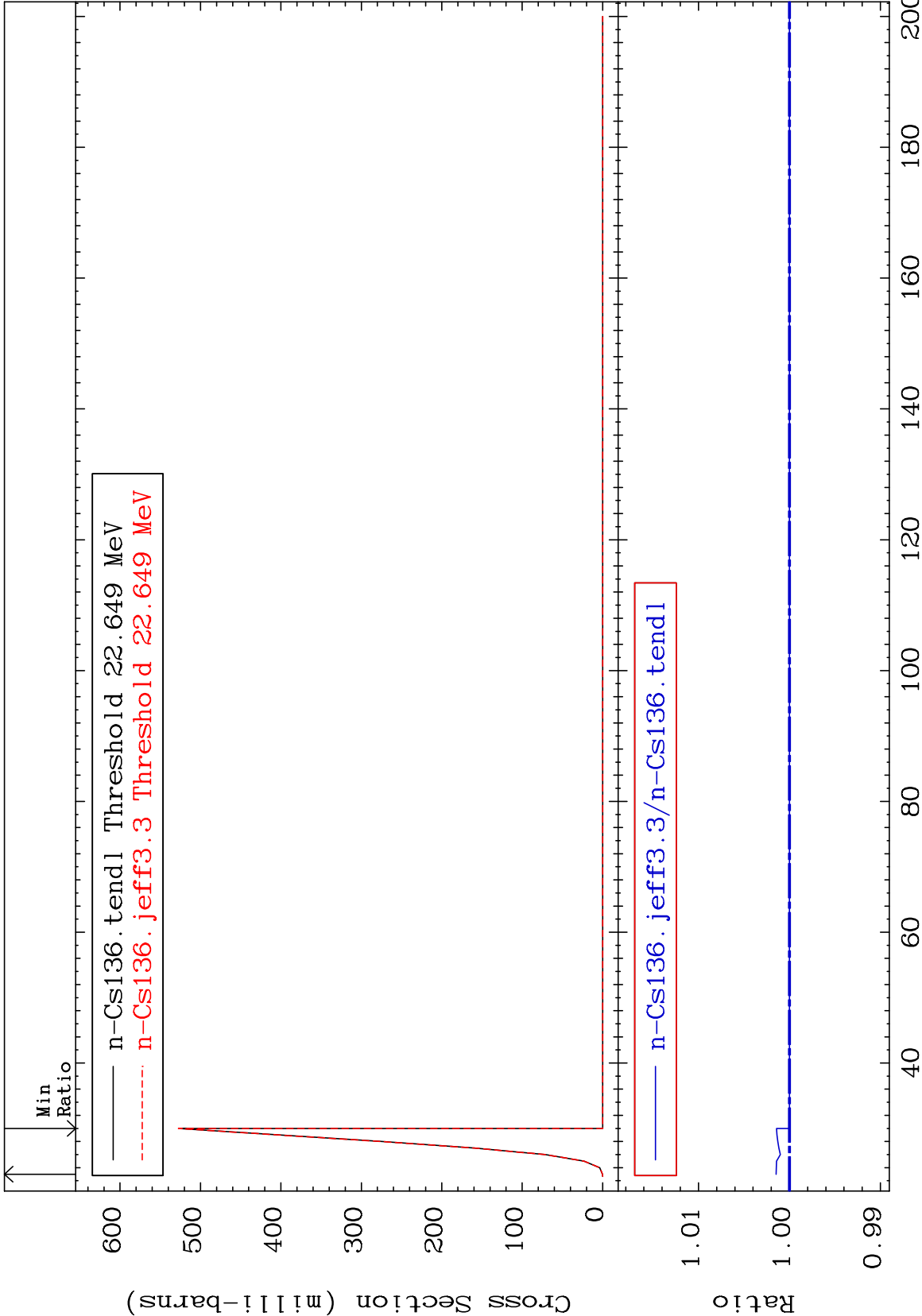
(n,4n)

55-Cs-136

Cross Section

0.000

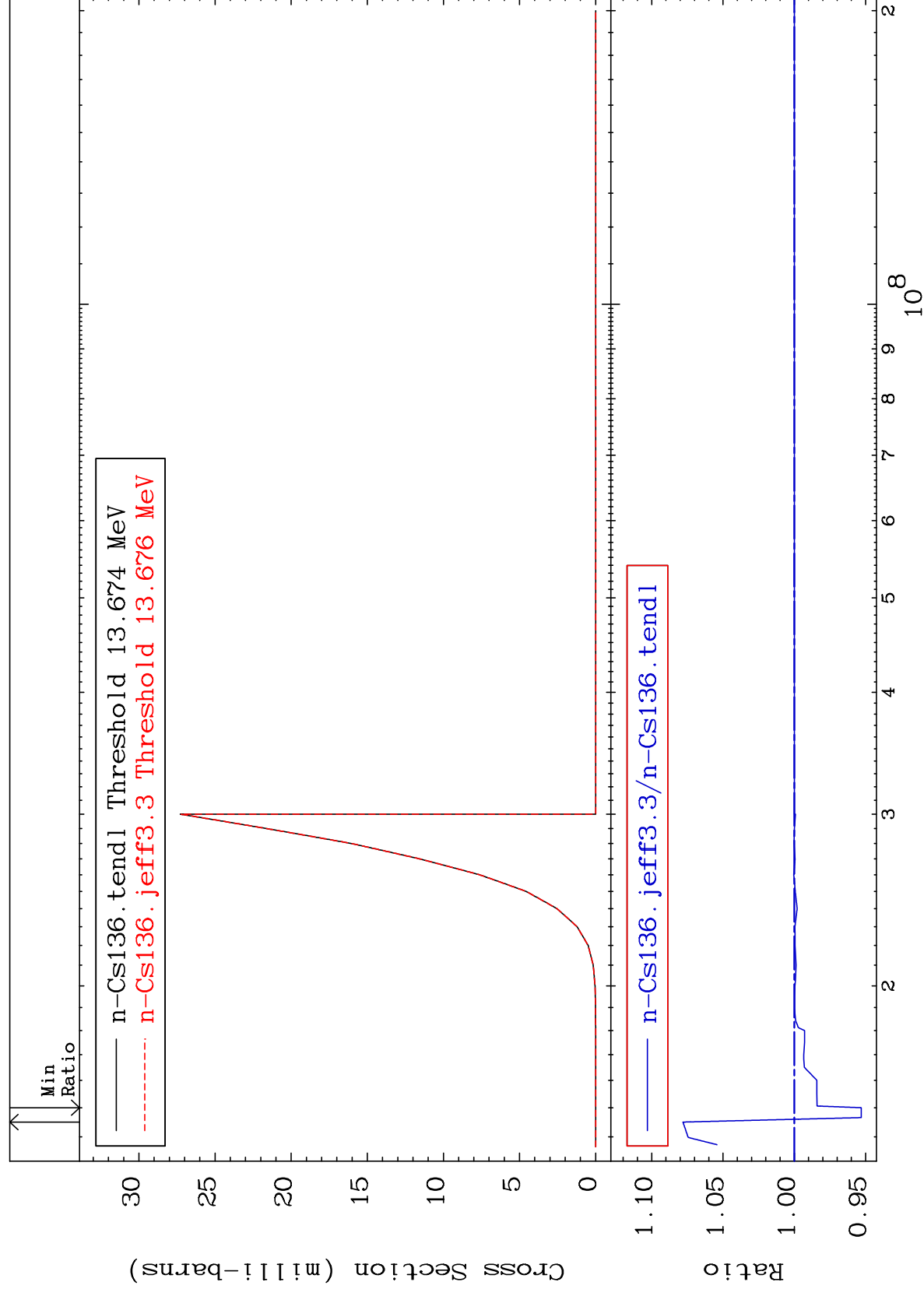
To 0.146 %



MAT 5534

(n, 2n) p
Cross Section

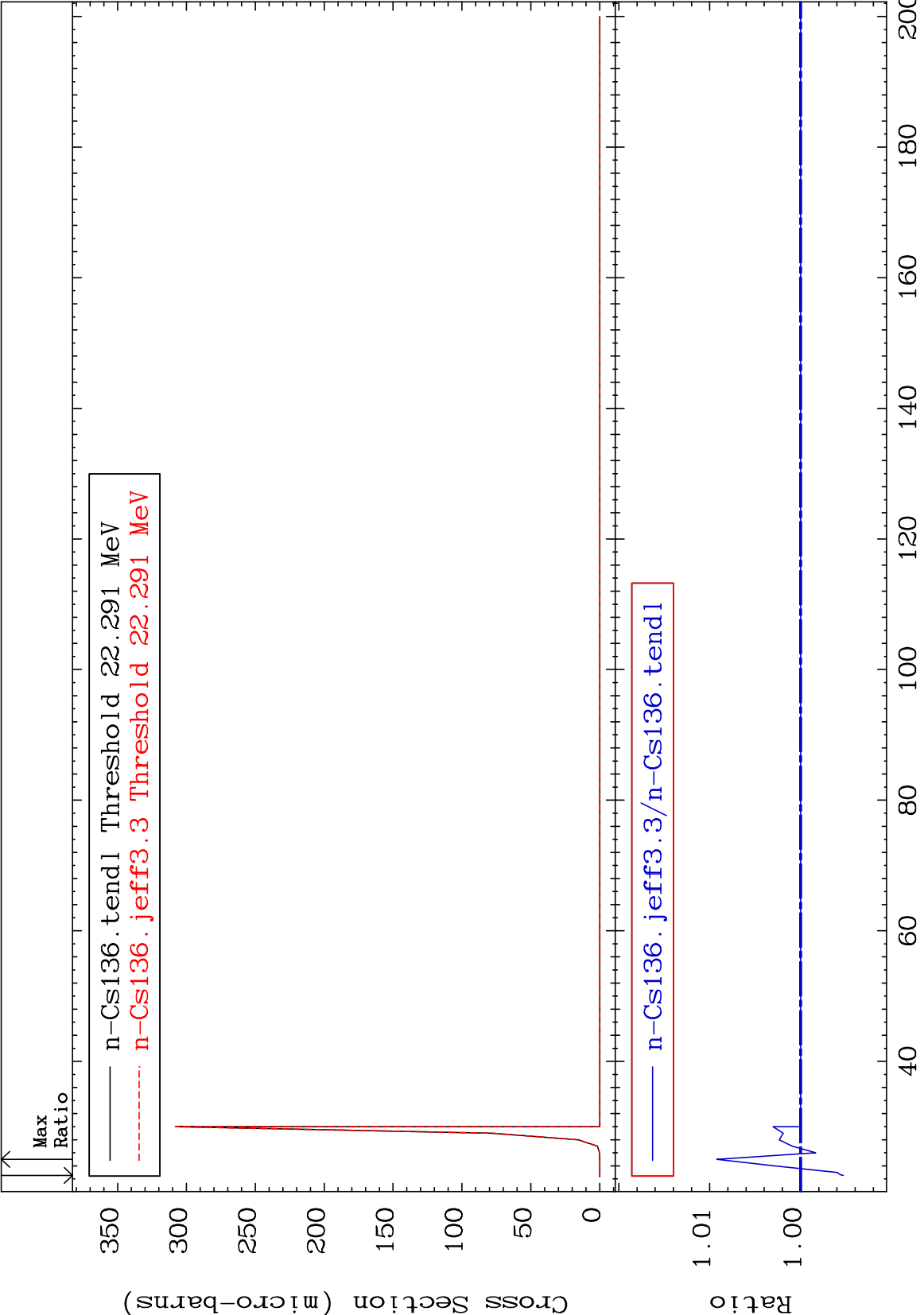
55-Cs-136
-4.693 To 7.810 %

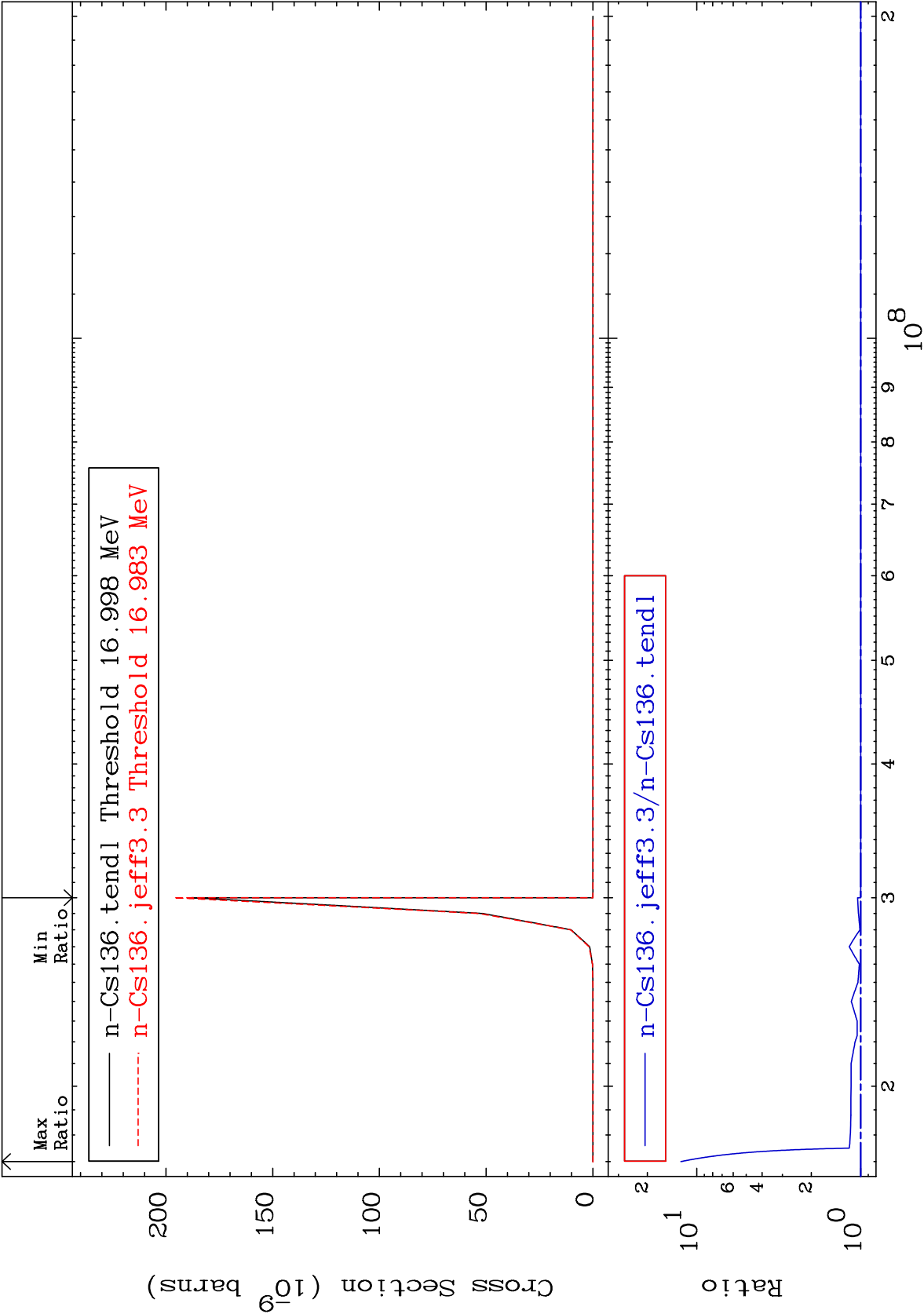


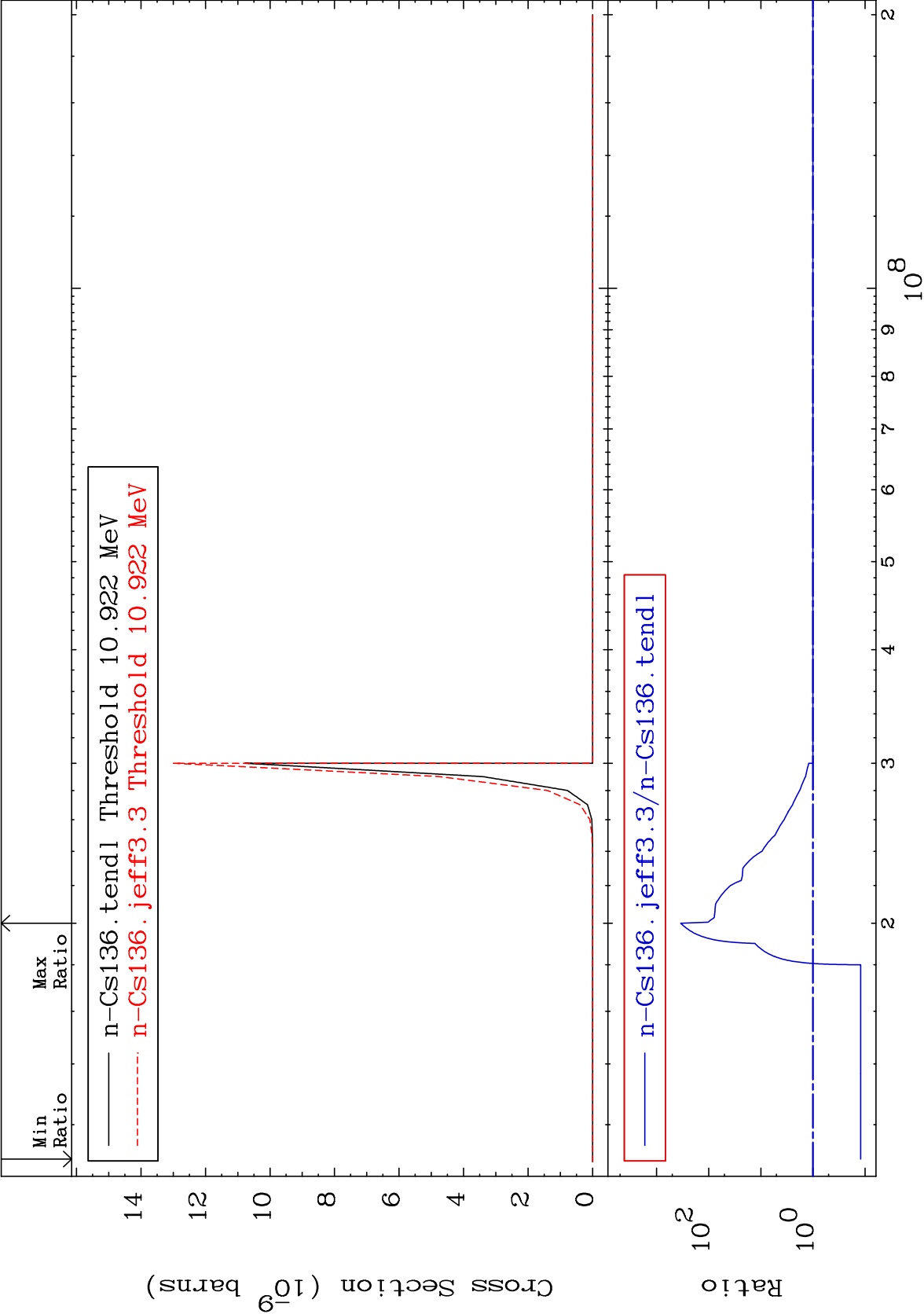
14

Incident Energy (eV)

55-CS-136







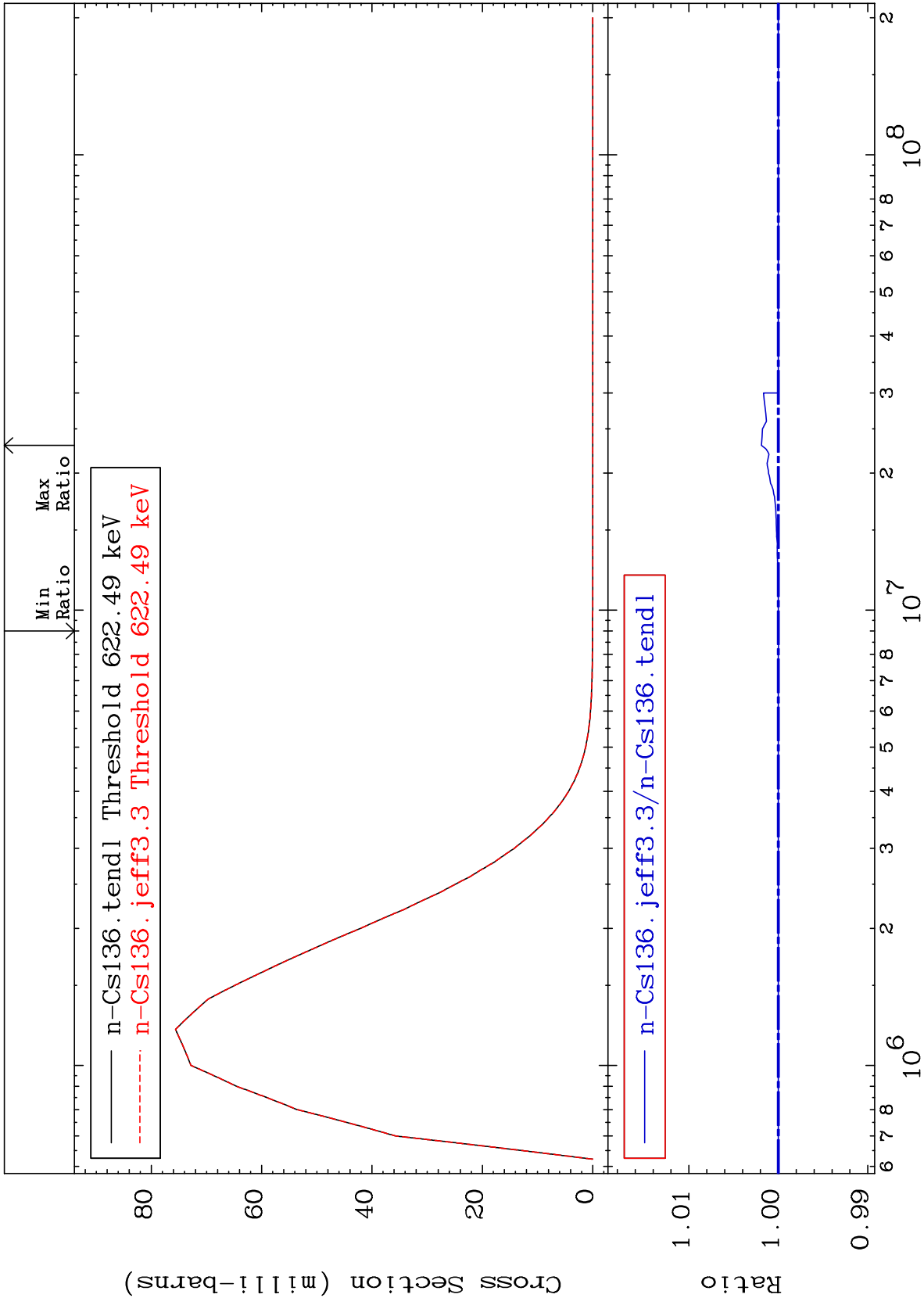
MAT 5534

MT= 51 (n,n') Level

55-Cs-136

-0.001 To 0.190 %

Cross Section



18

Incident Energy (eV)

55-Cs-136

MAT 5534

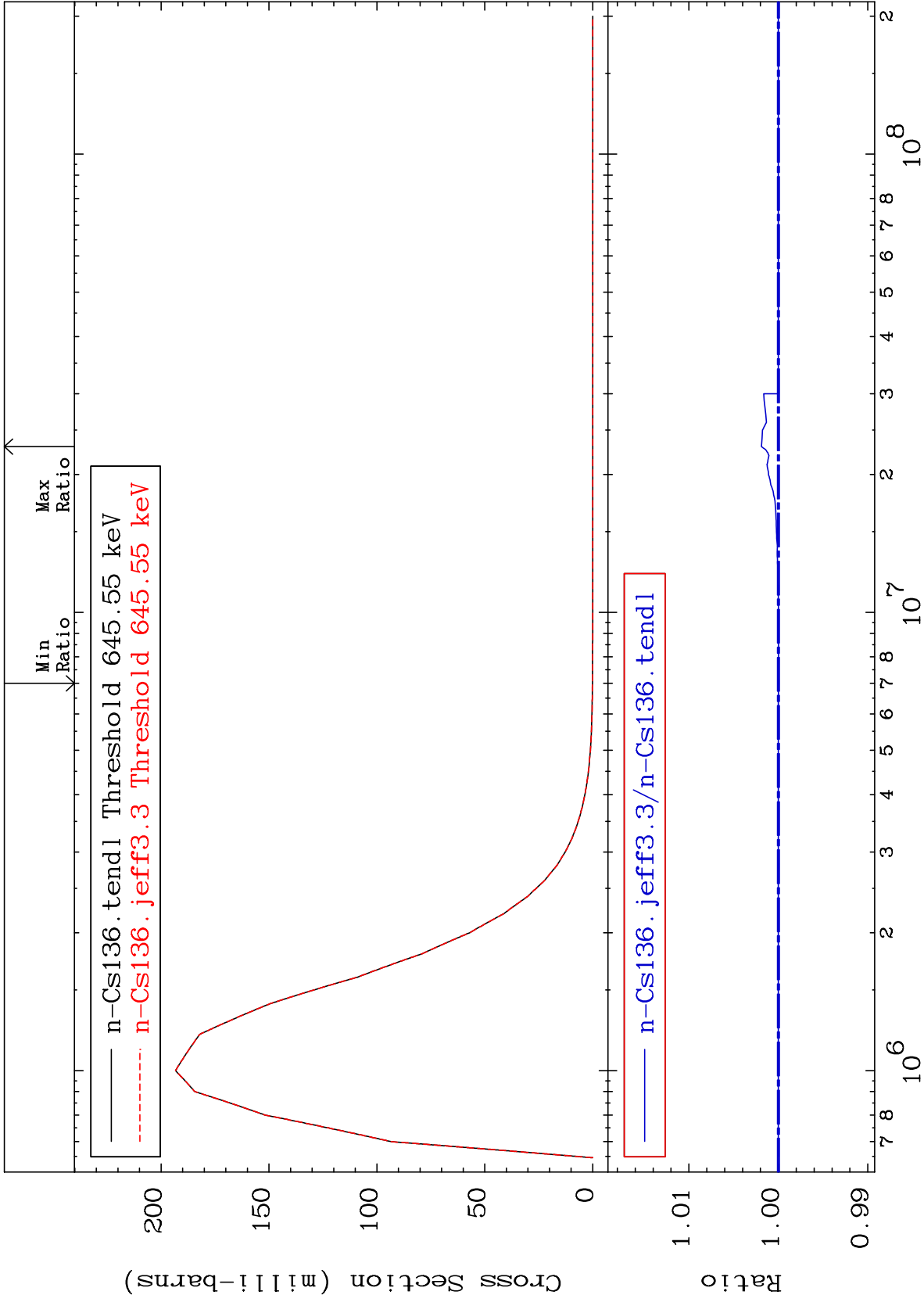
MT= 52 (n,n') Level

55-Cs-136

Cross Section

0.000

To 0.190 %

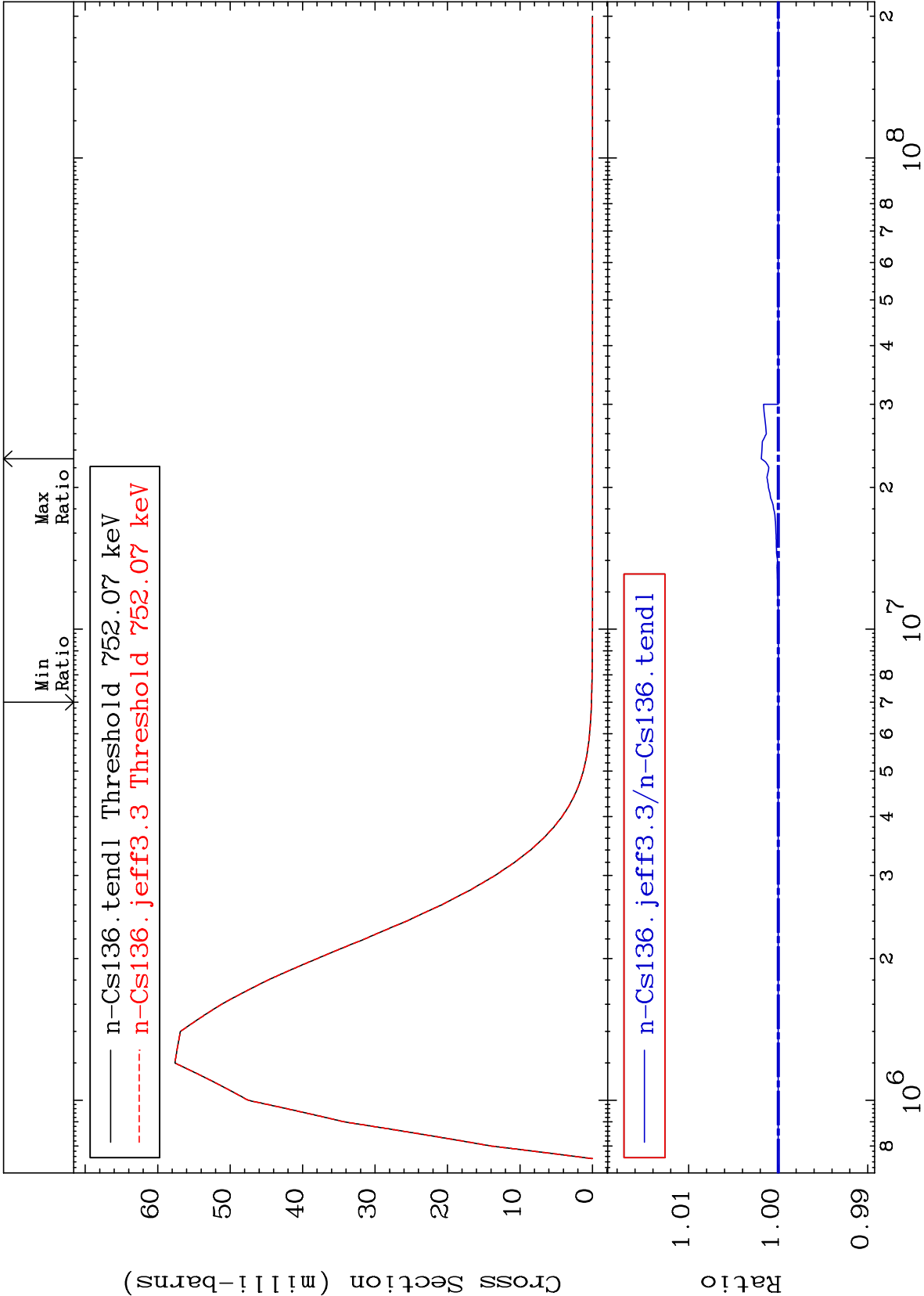


MAT 5534

MT= 56 (n,n') Level

55-Cs-136

0.000 To 0.190 %



20

Incident Energy (eV)

55-Cs-136

MAT 5534

MT= 57 (n,n') Level

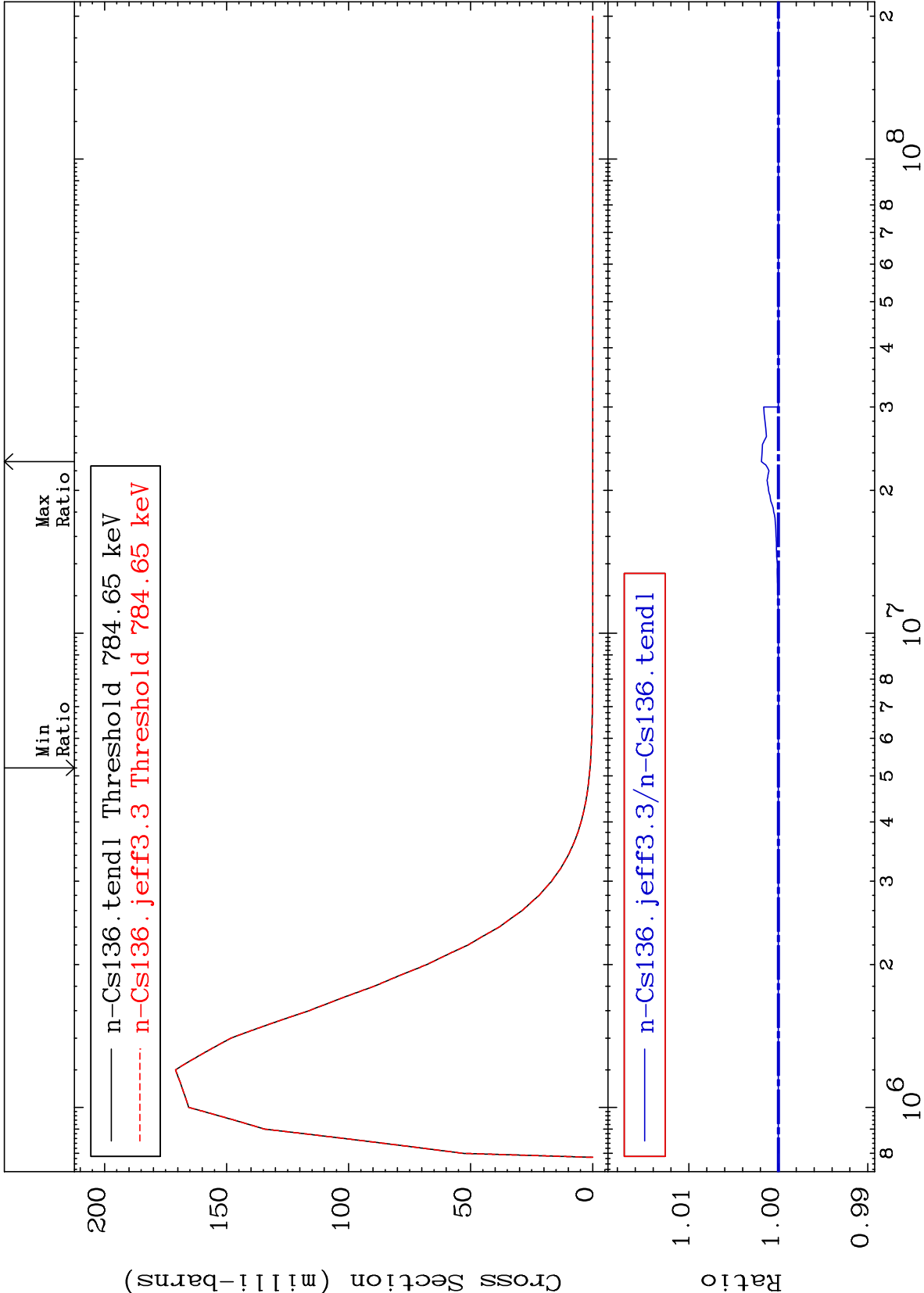
55-Cs-136

0.000

To

0.190 %

Cross Section



21

Incident Energy (eV)

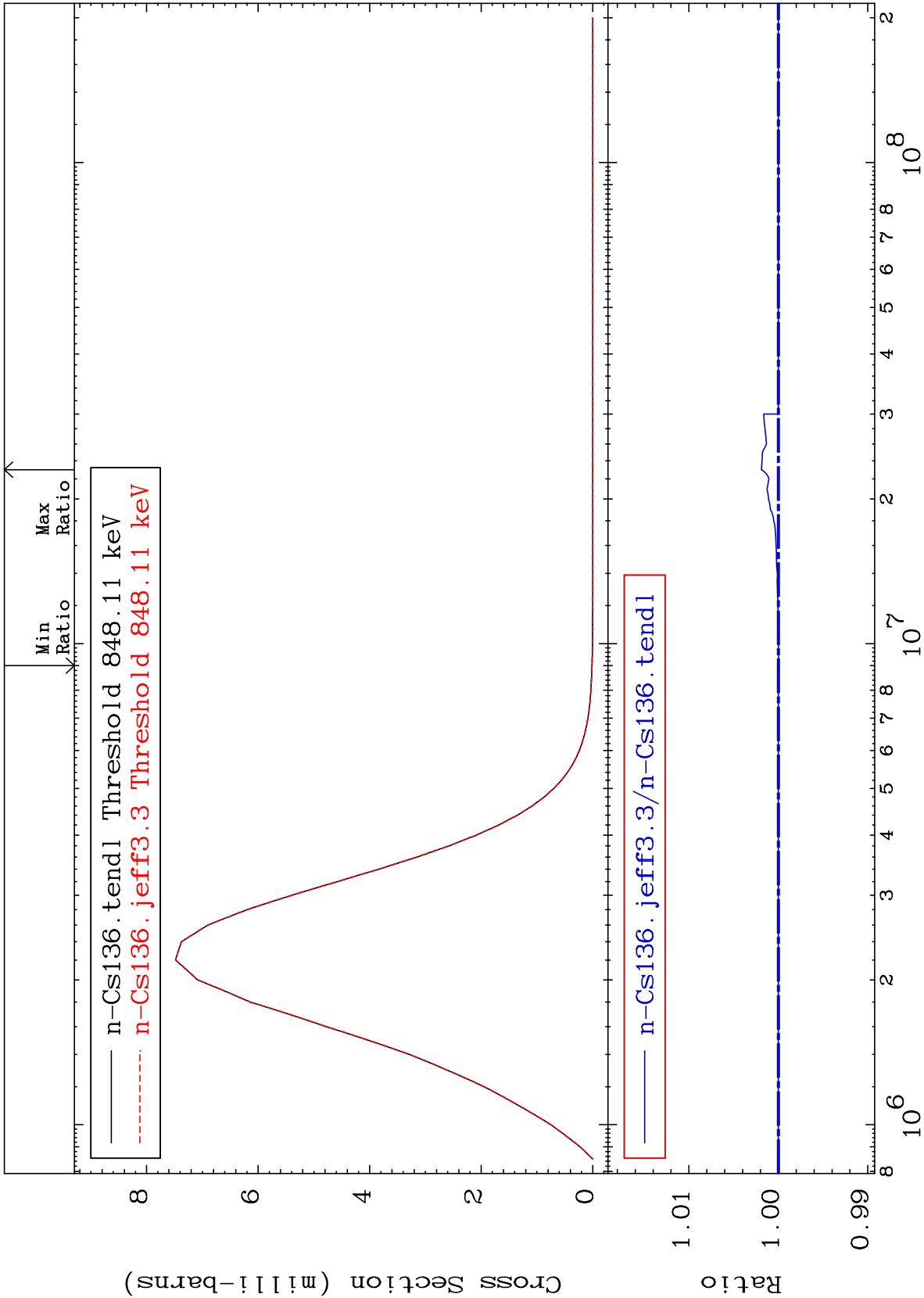
55-Cs-136

MAT 5534

MT= 58 (n,n') Level

55-Cs-136

0.000 To 0.190 %



22

Incident Energy (eV)

55-Cs-136

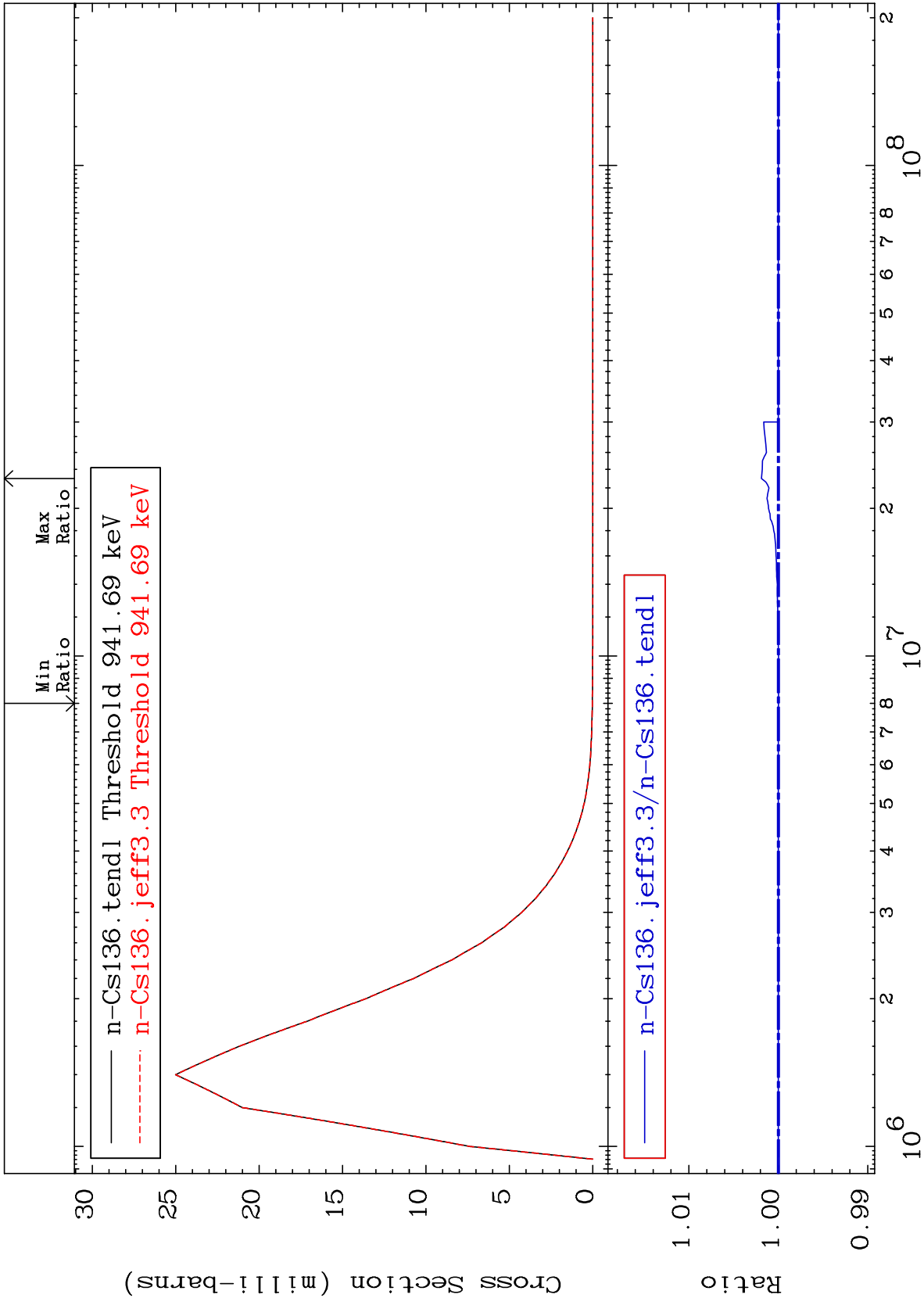
MAT 5534

MT= 60 (n,n') Level

55-Cs-136

0.000 To 0.190 %

Cross Section



Incident Energy (eV)

55-Cs-136

23

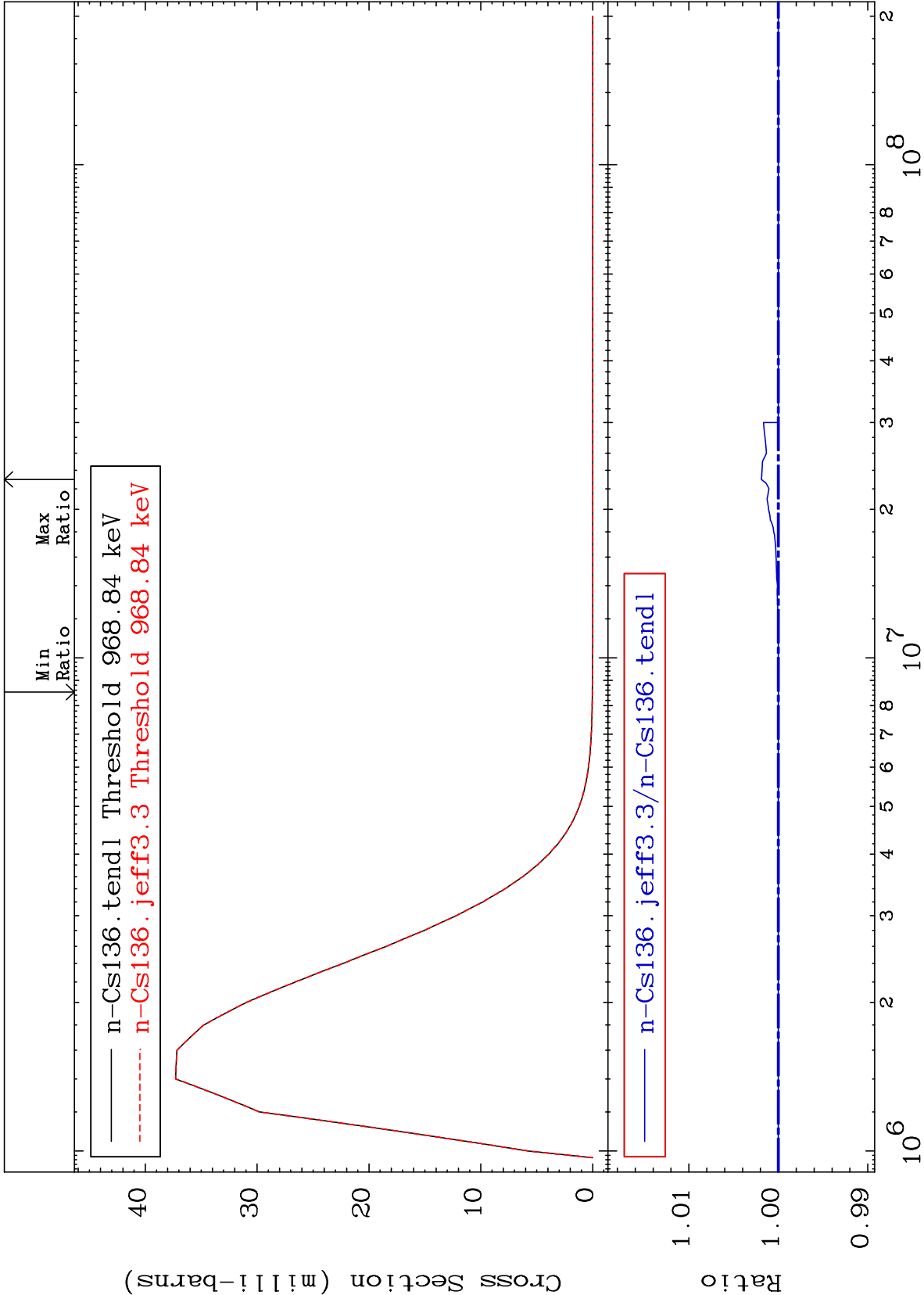
MAT 5534

MT= 61 (n,n') Level

55-Cs-136

-0.001 To 0.190 %

Cross Section



Incident Energy (eV)

55-Cs-136

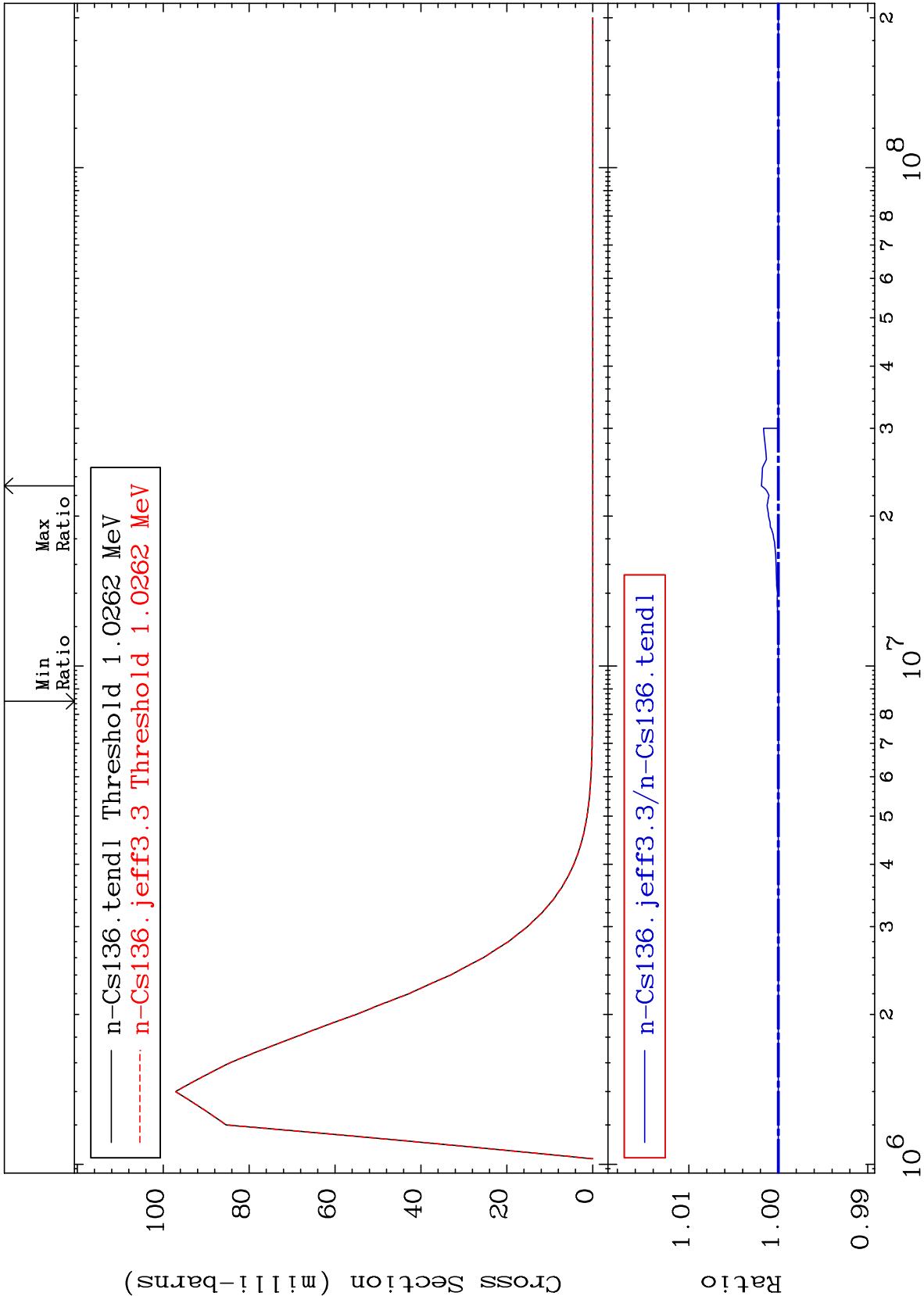
MAT 5534

MT= 62 (n,n') Level

55-Cs-136

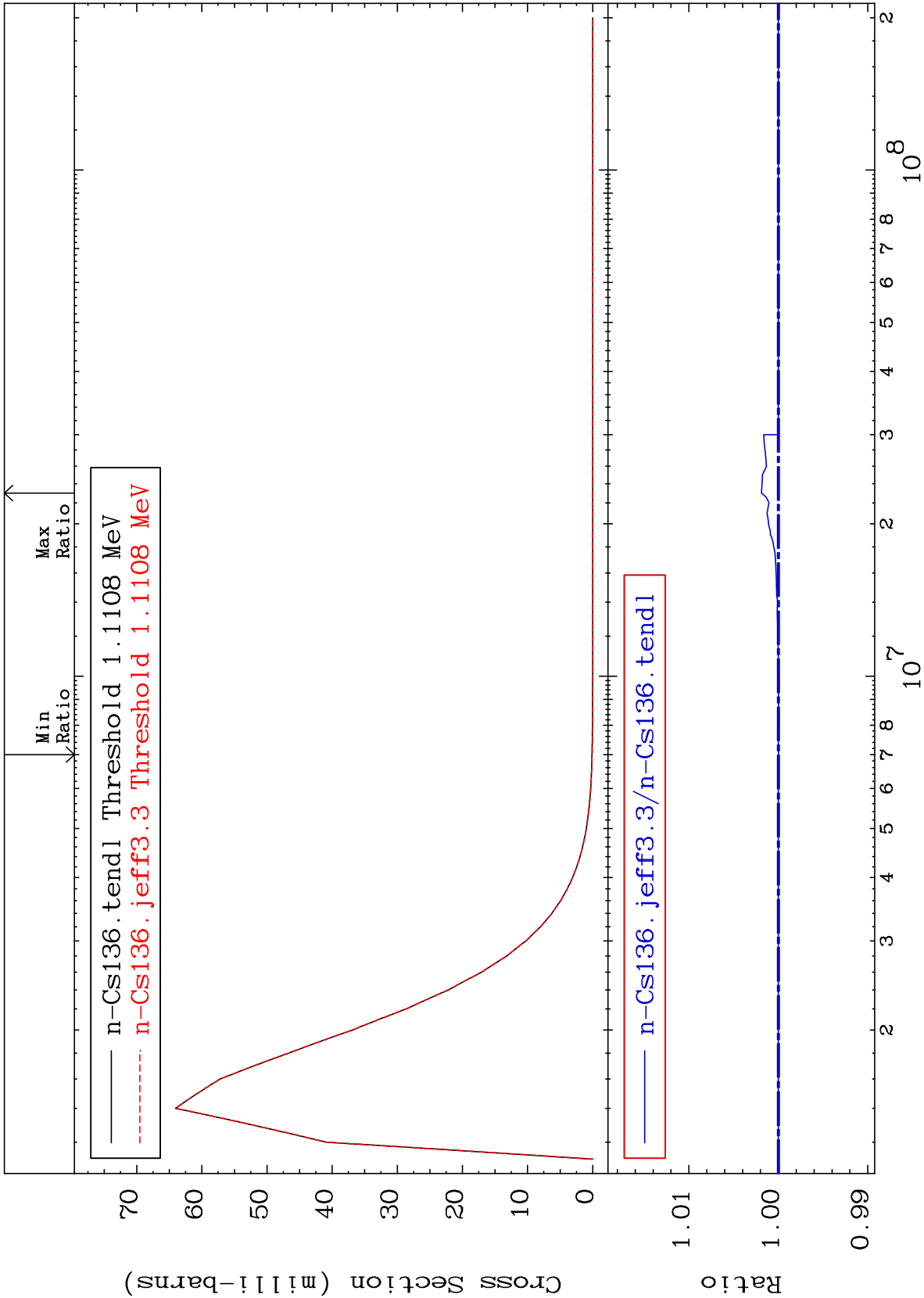
-0.001 To 0.190 %

Cross Section

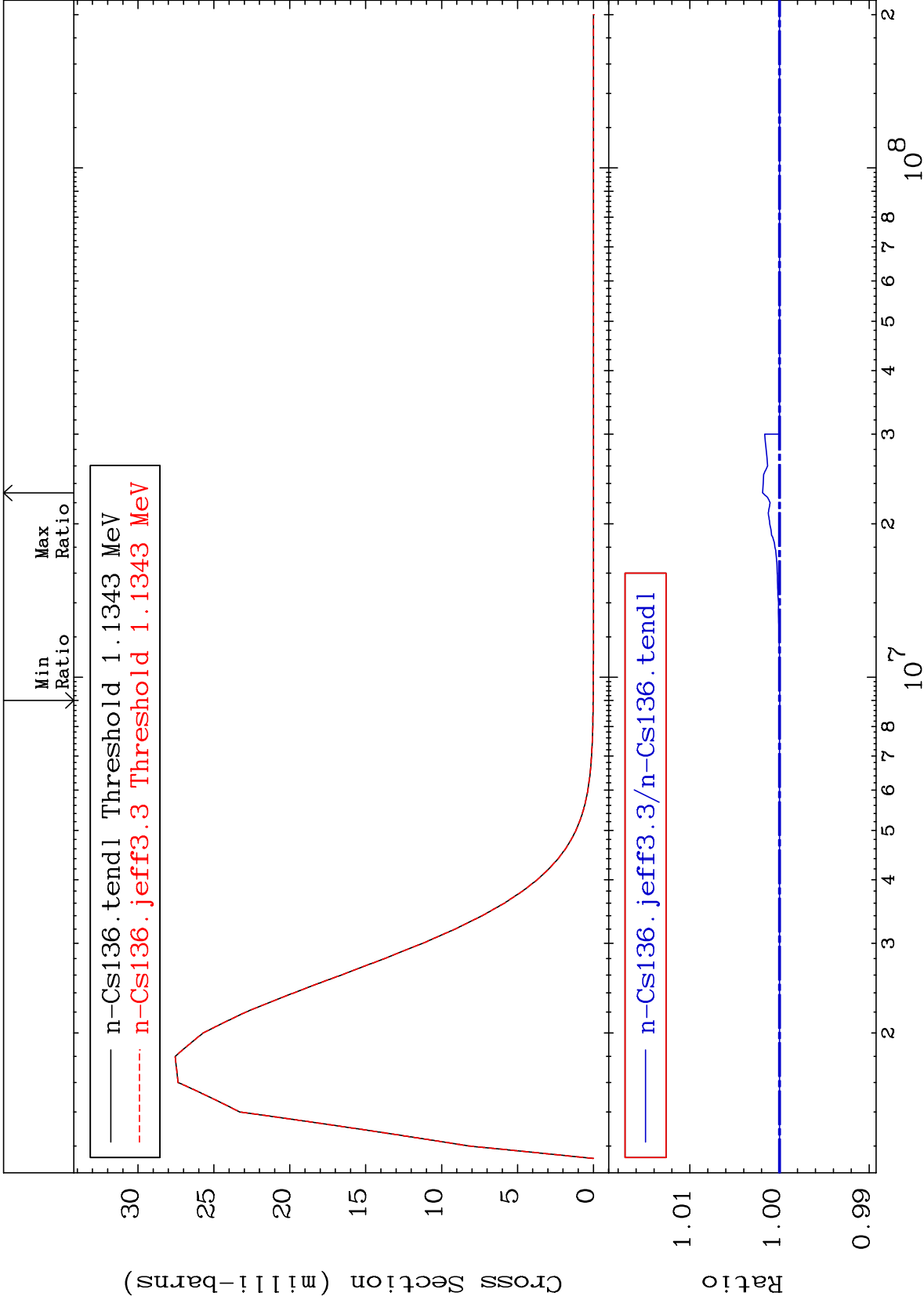


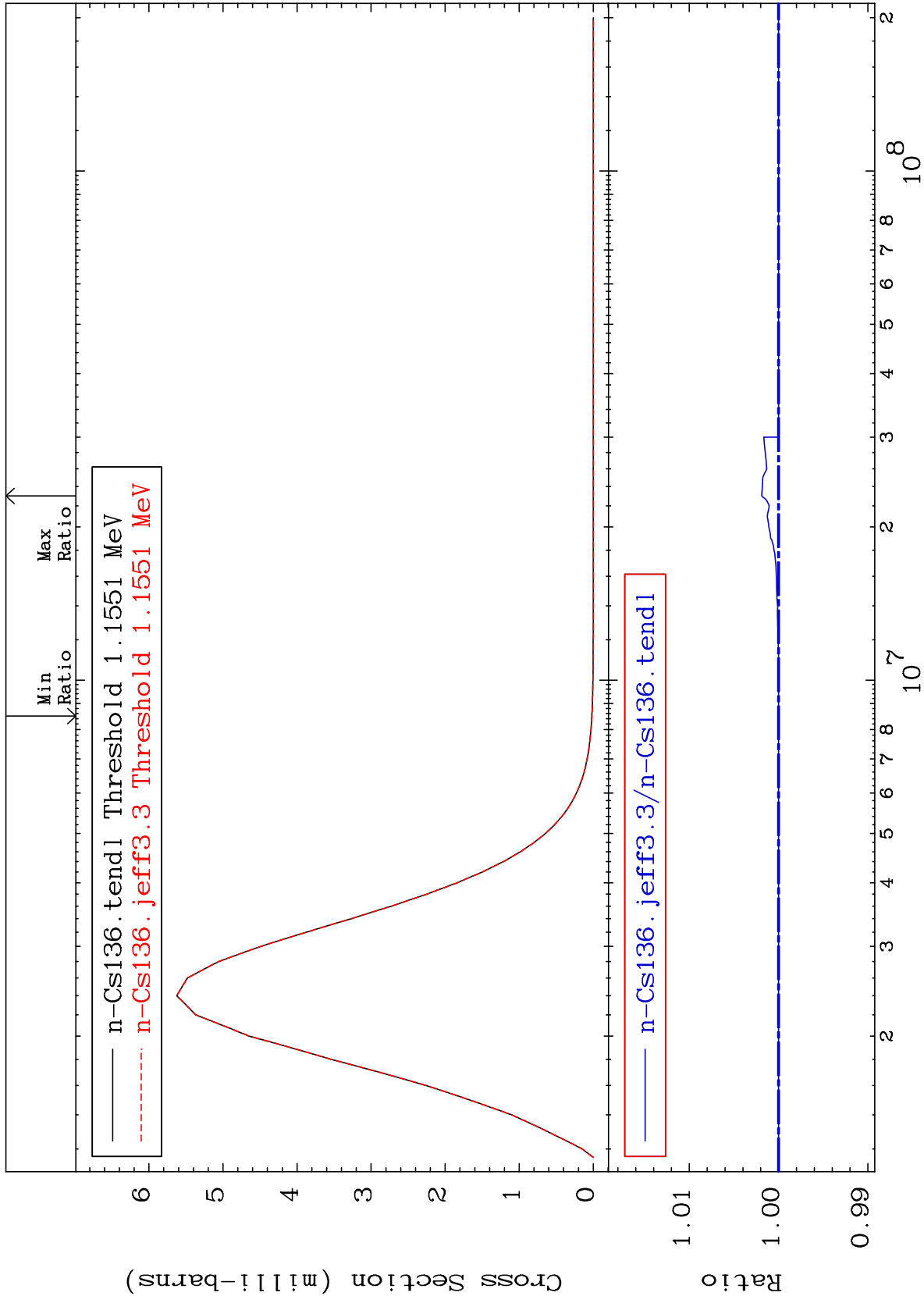
Incident Energy (eV)

55-Cs-136



-0.001 To 0.190 %





MAT 5534

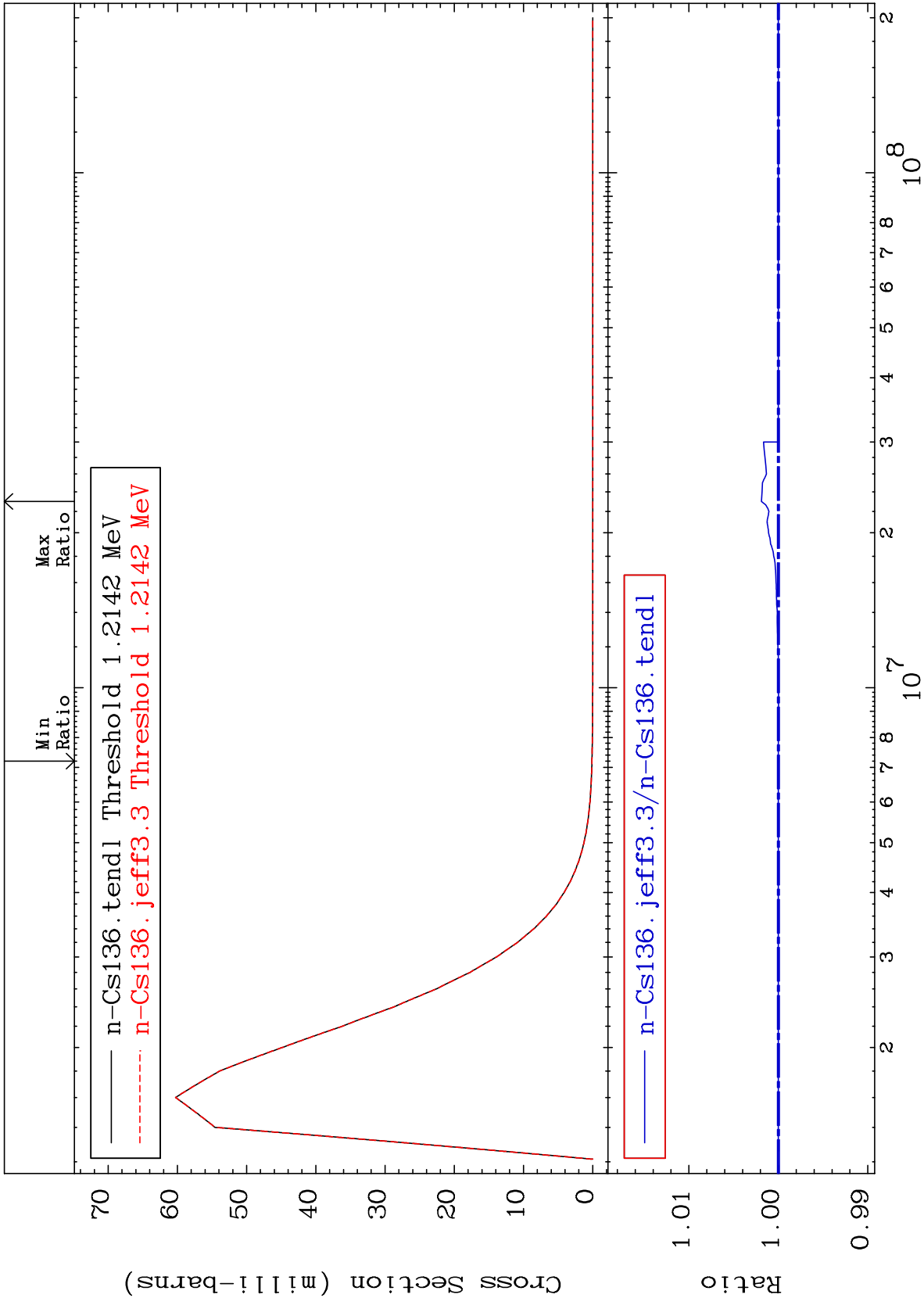
MT= 72 (n,n') Level

55-Cs-136

Cross Section

0.000

To 0.190 %



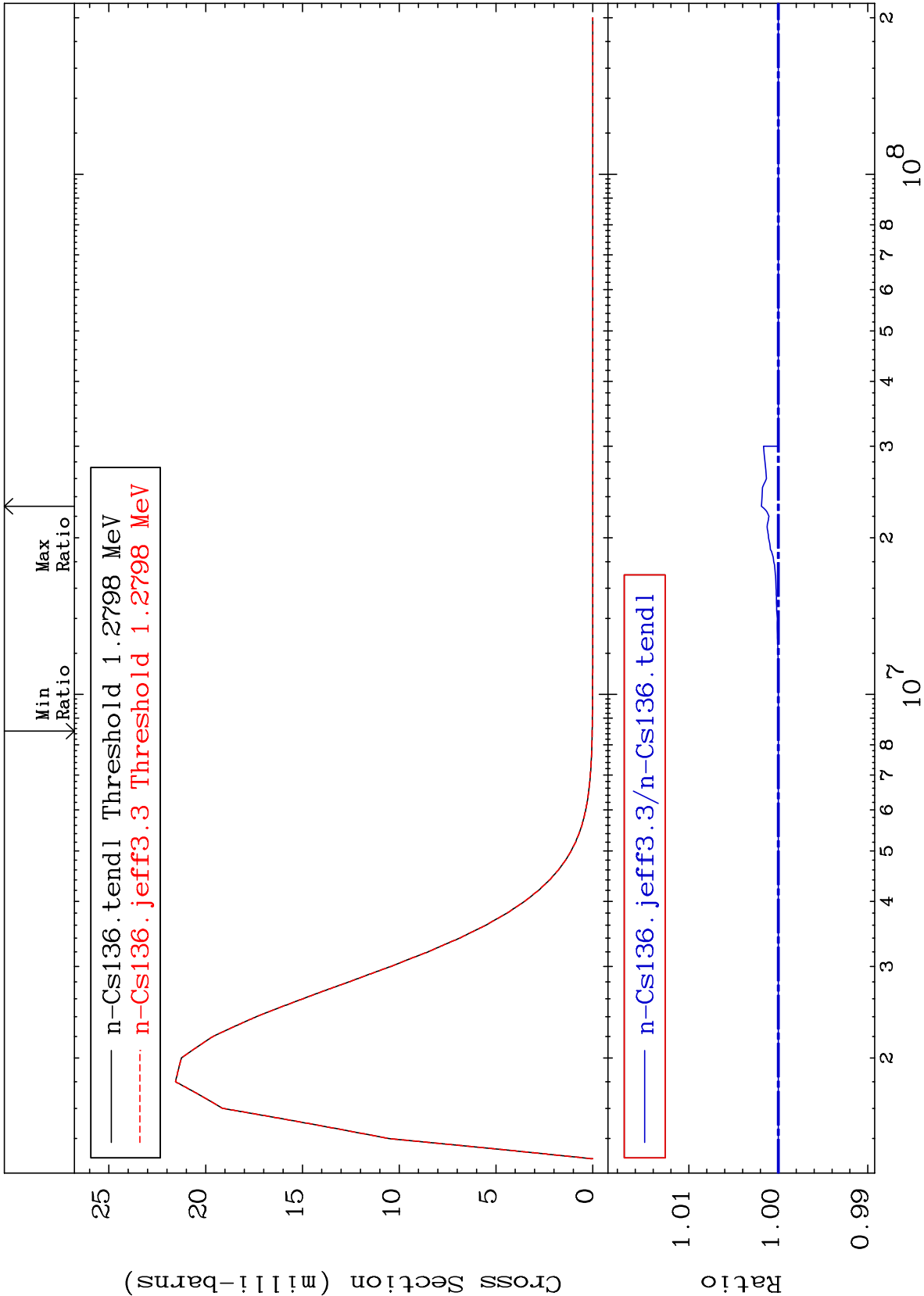
MAT 5534

MT= 74 (n,n') Level

55-Cs-136

-0.001 To 0.190 %

Cross Section



30

Incident Energy (eV)

55-Cs-136

MAT 5534

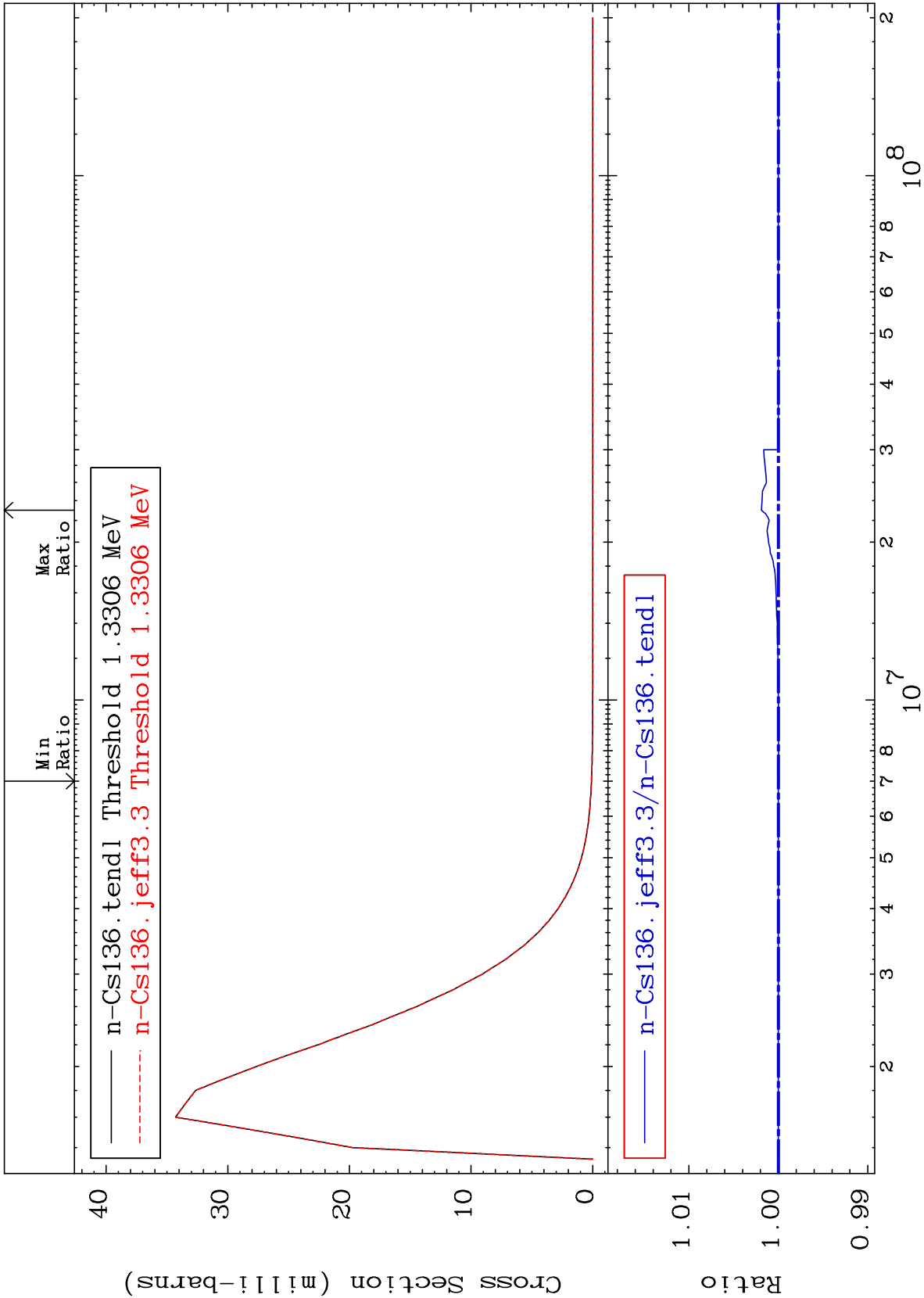
MT= 79 (n,n') Level

55-Cs-136

Cross Section

0.000

To 0.190 %



31

Incident Energy (eV)

55-Cs-136

MAT 5534

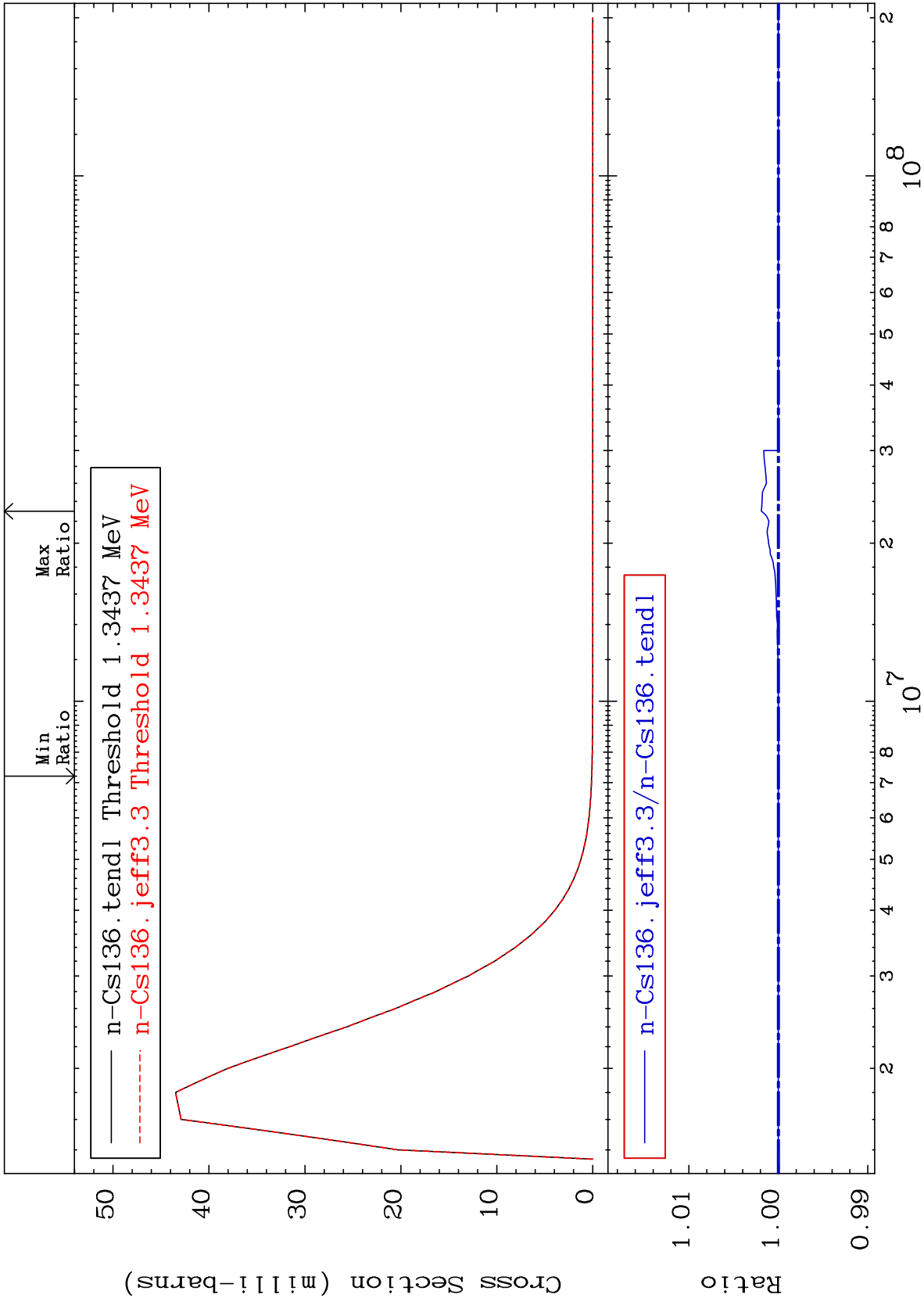
MT= 80 (n,n') Level

55-Cs-136

Cross Section

0.000

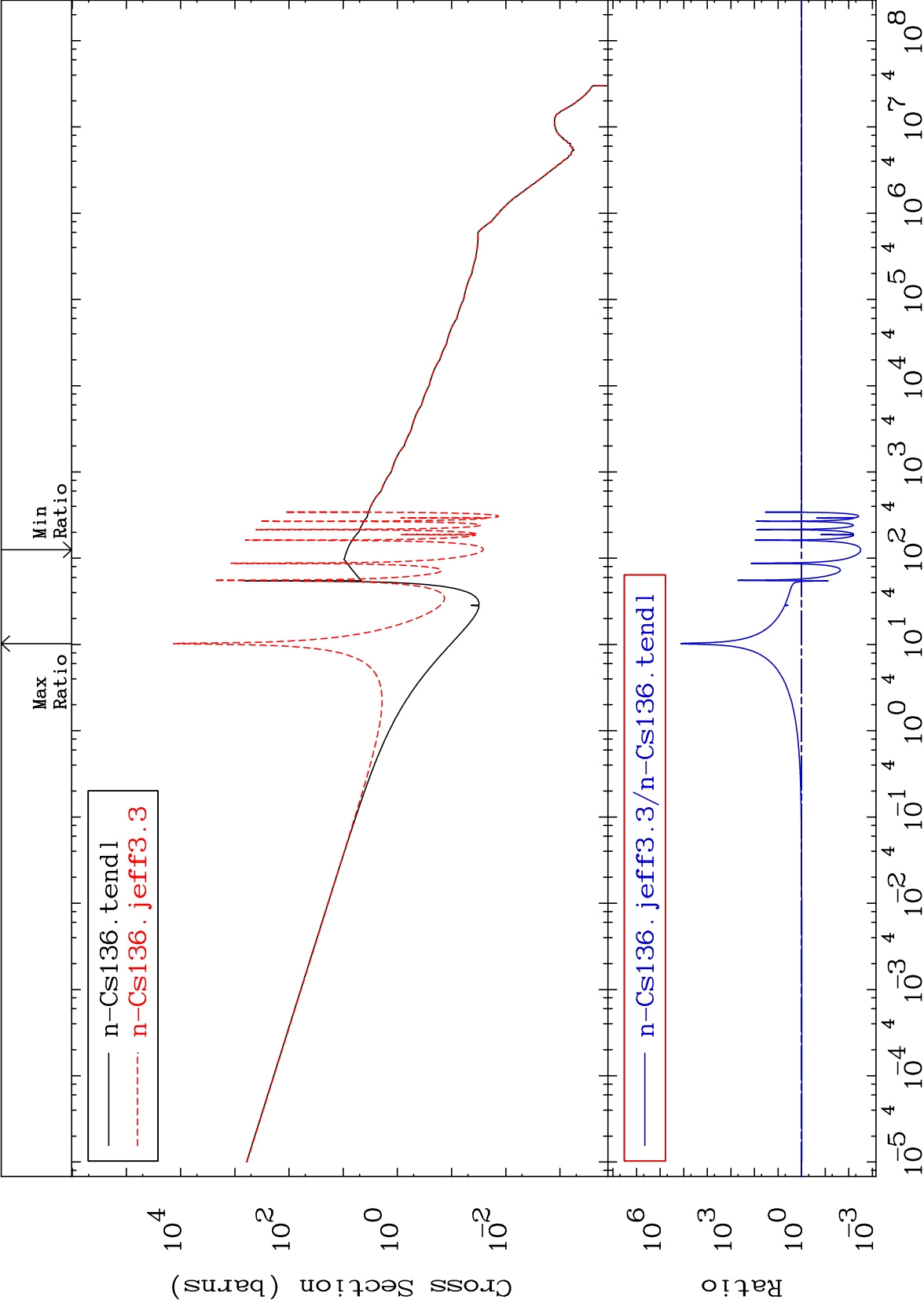
To 0.190 %



32

Incident Energy (eV)

55-Cs-136



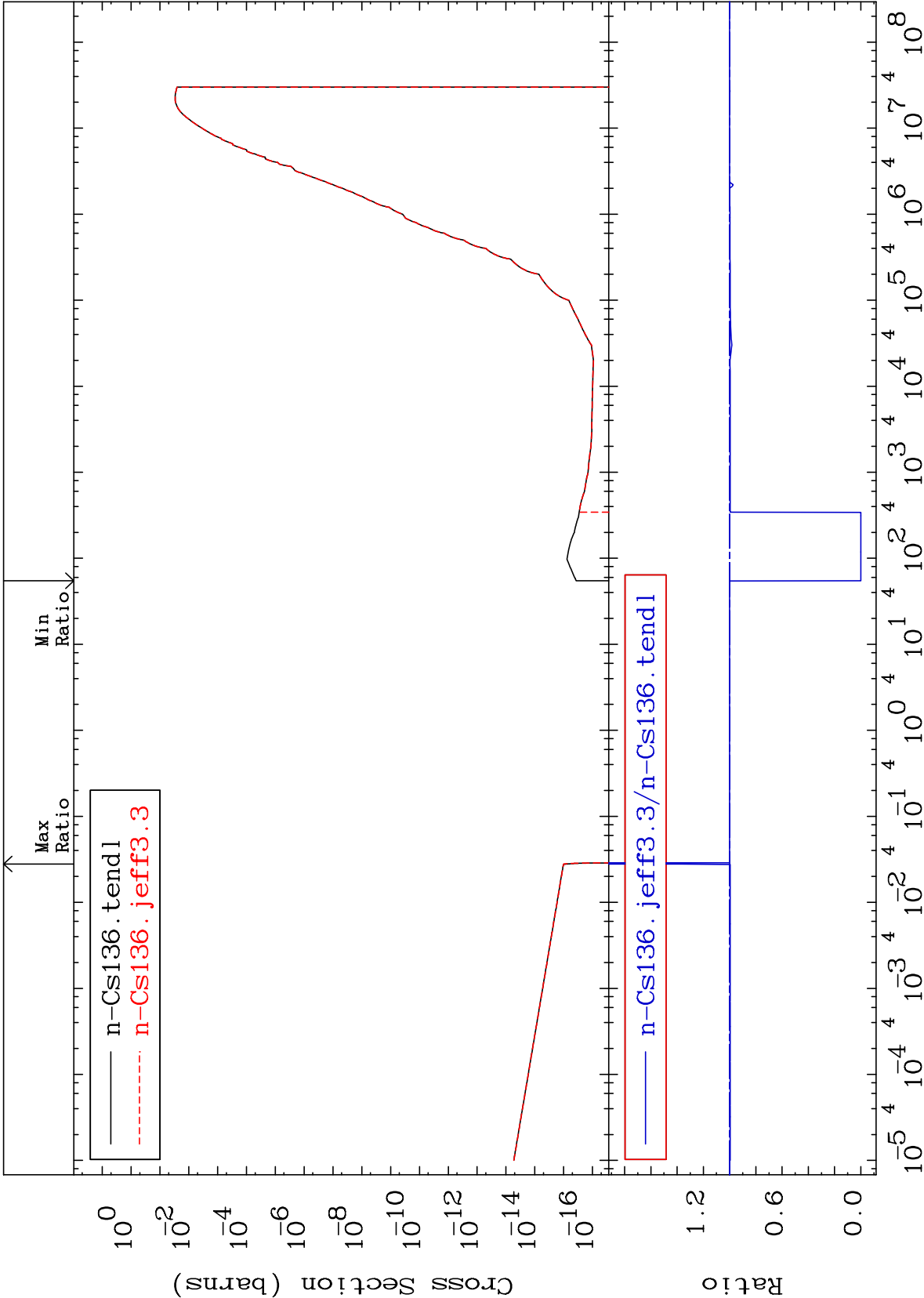
MAT 5534

(n,p)

55-Cs-136

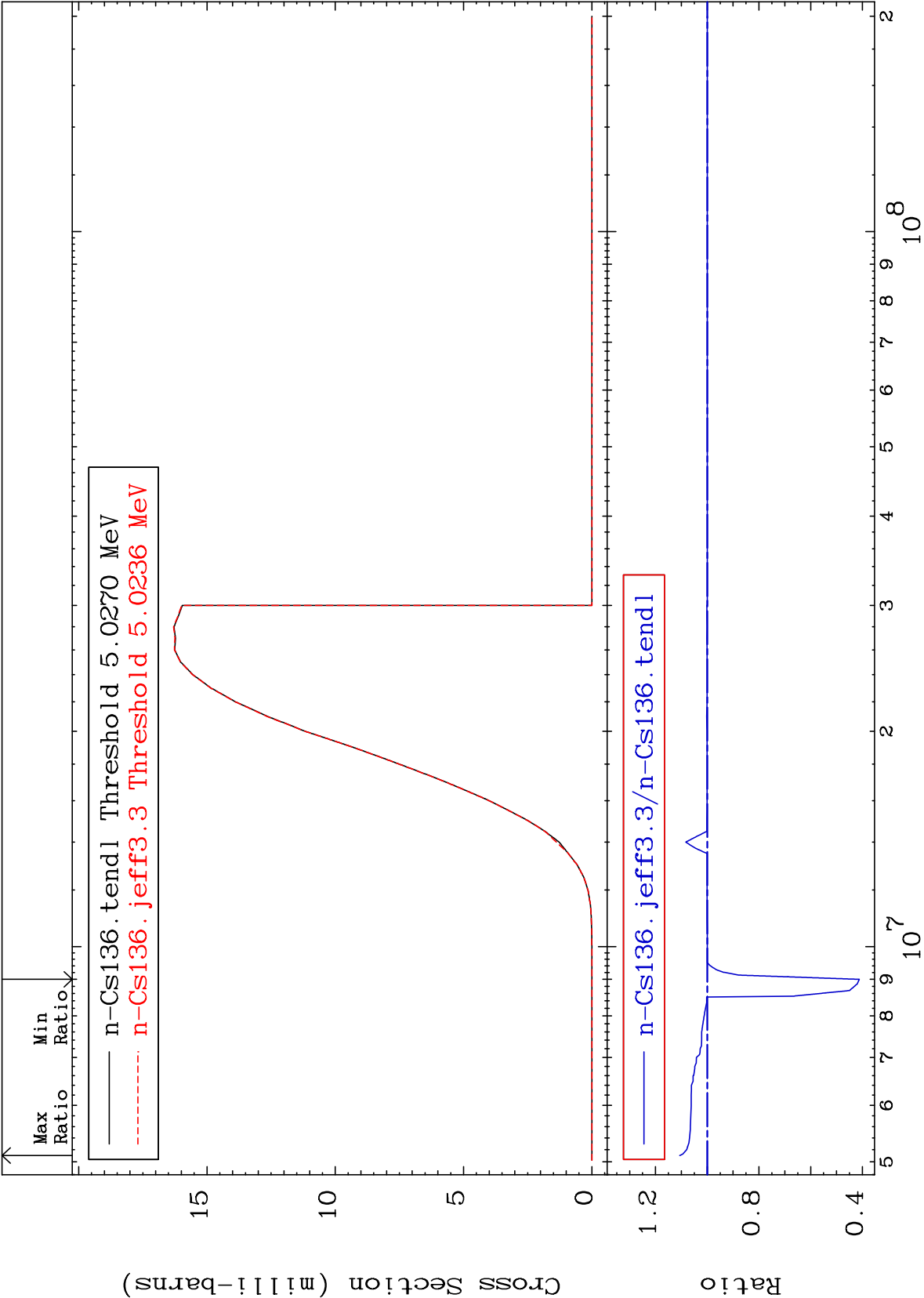
Cross Section

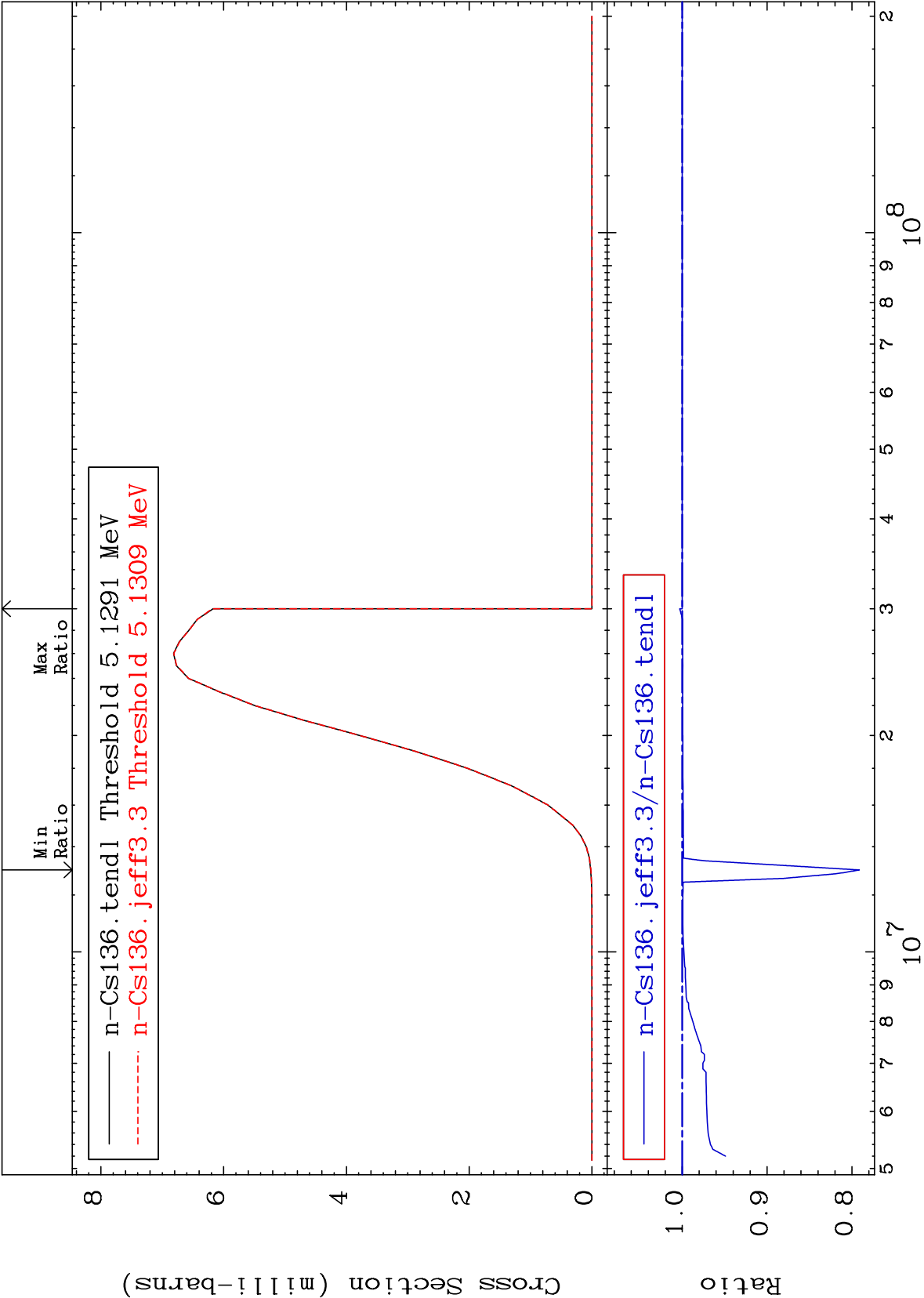
-100.0 To 36.81 %



Incident Energy (eV)

55-Cs-136





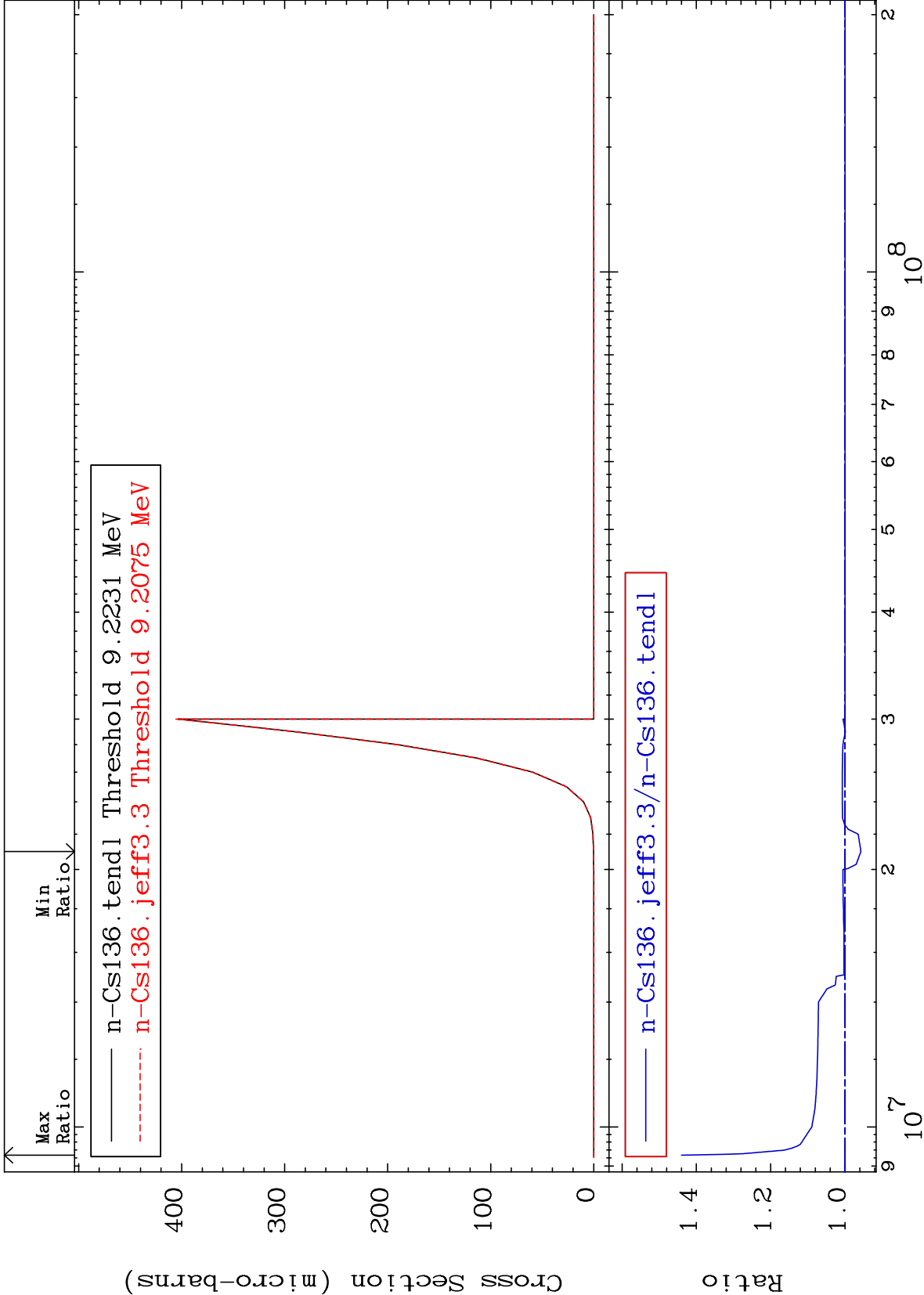
MAT 5534

(n,He-3)

55-Cs-136

Cross Section

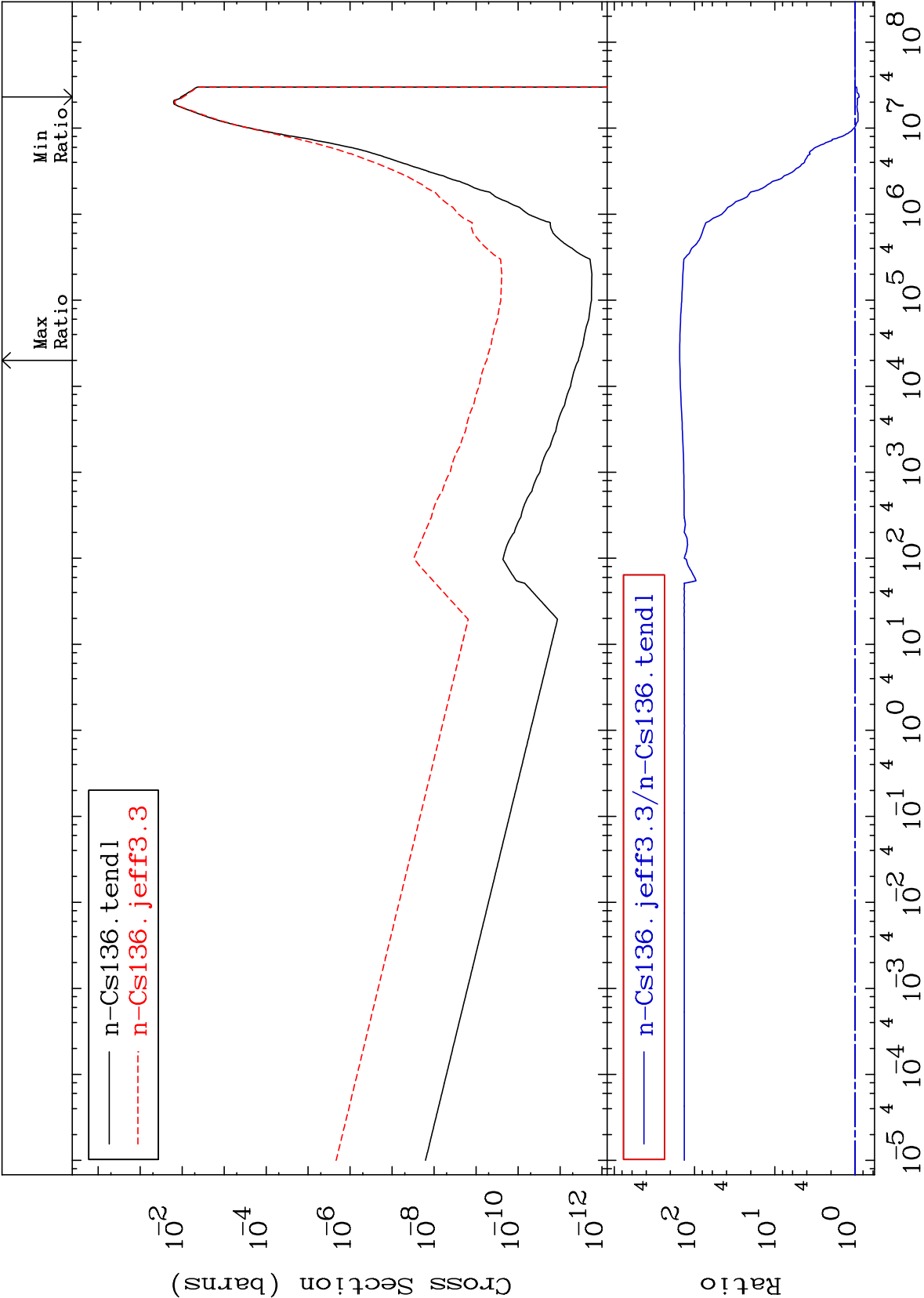
-4.277 To 44.00 %



Incident Energy (eV)

55-Cs-136

37



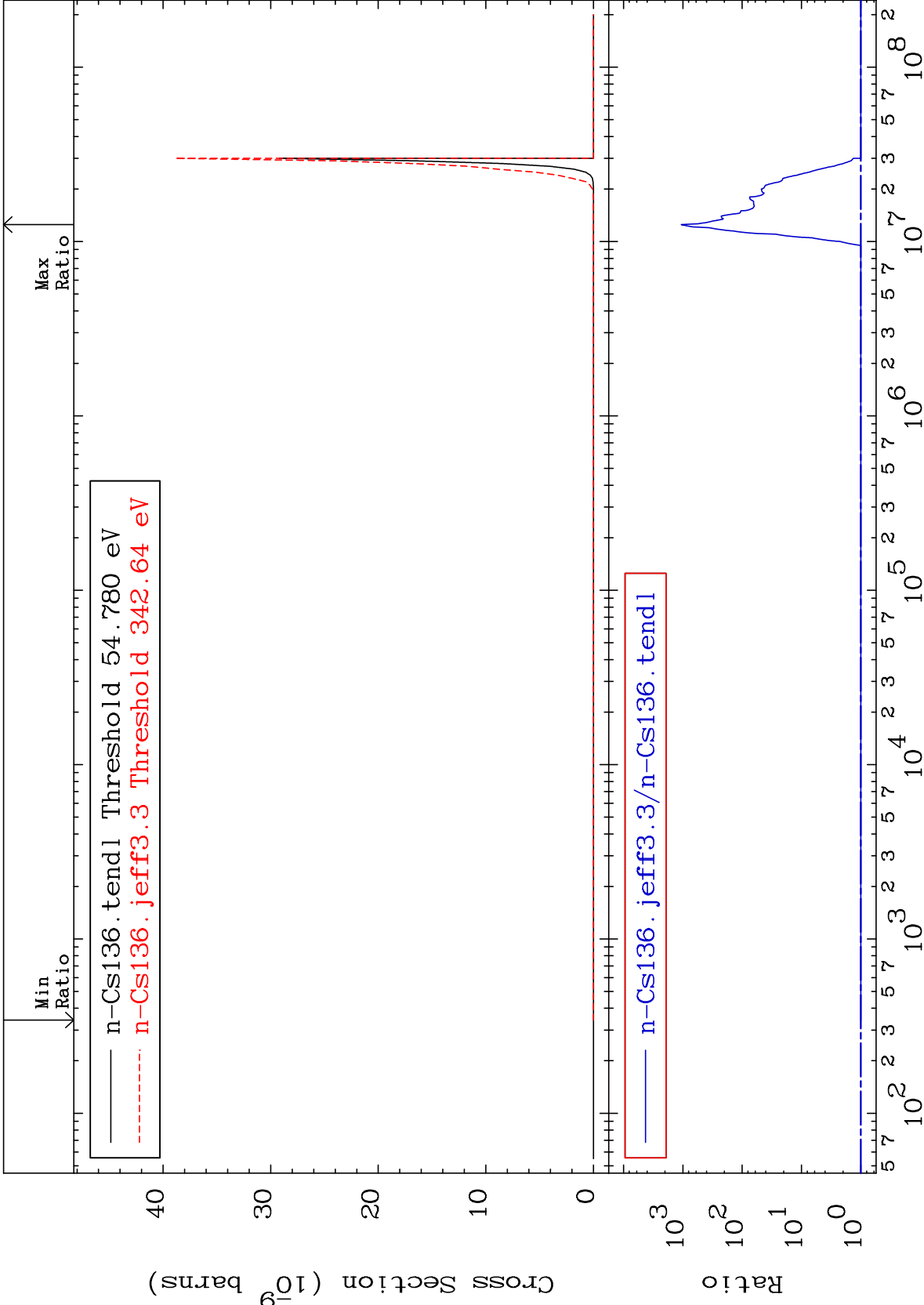
MAT 5534

(n,2α)

55-Cs-136

Cross Section

0.000 To 9999. %



MAT 5534

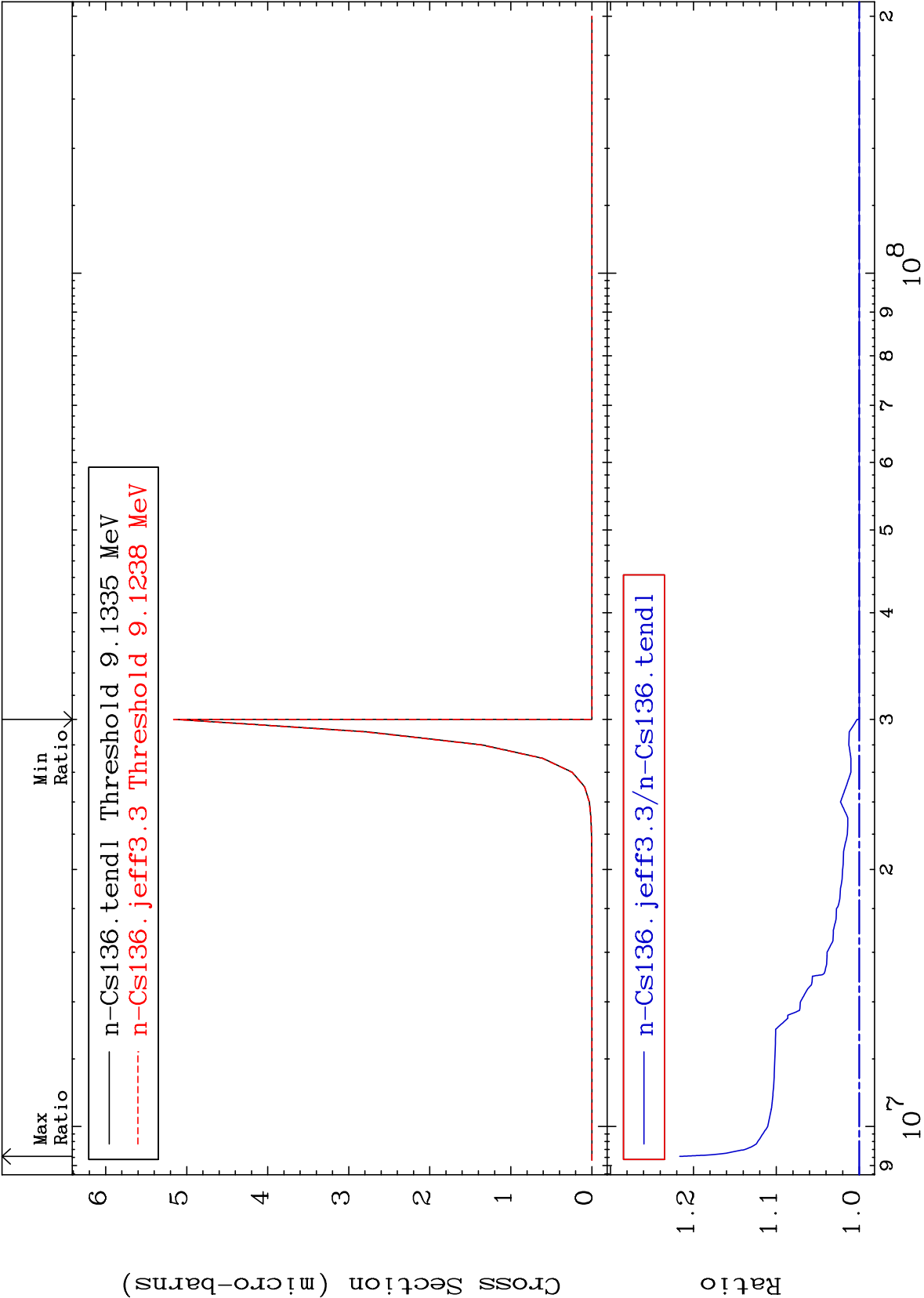
(n,2p)

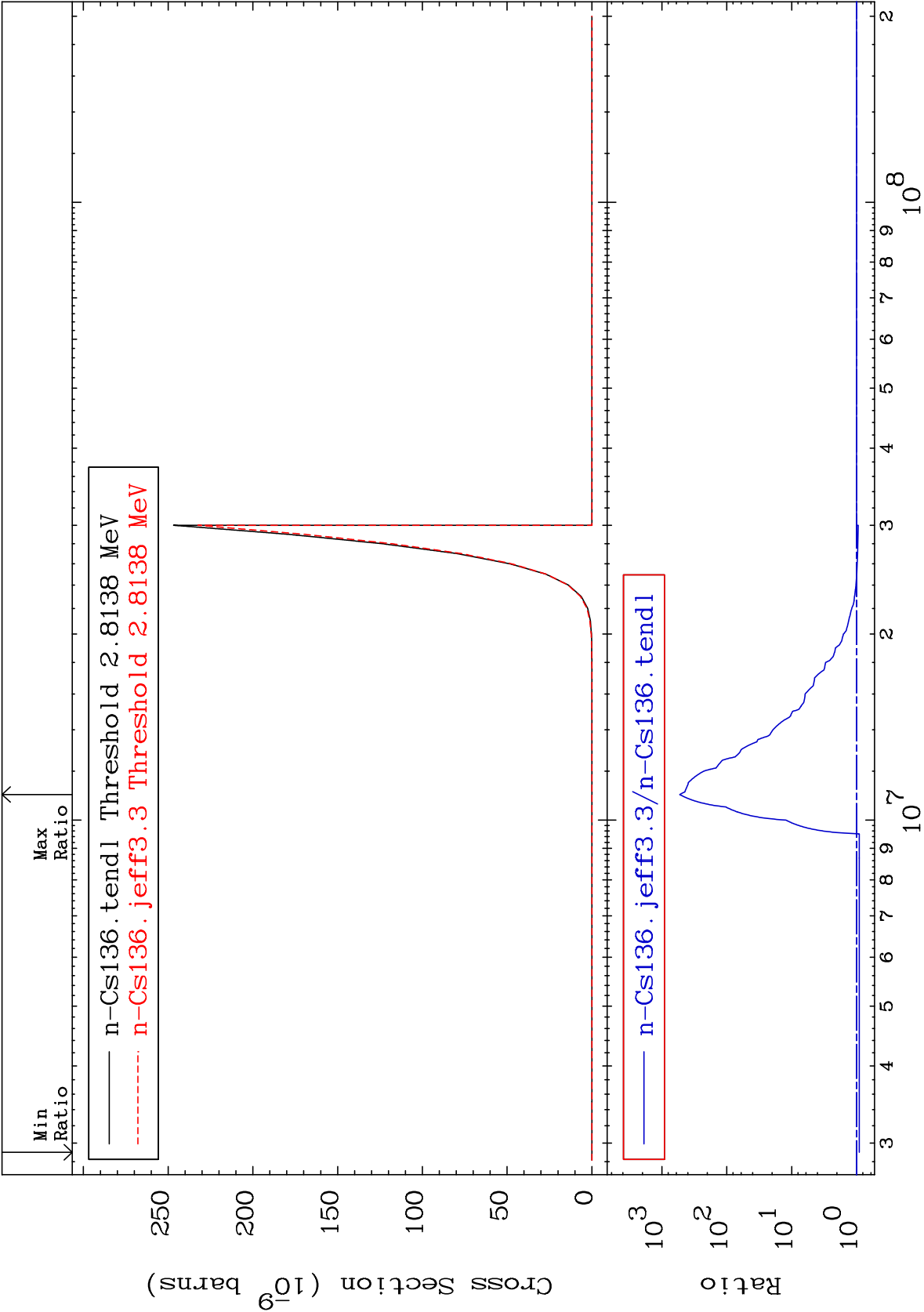
55-Cs-136

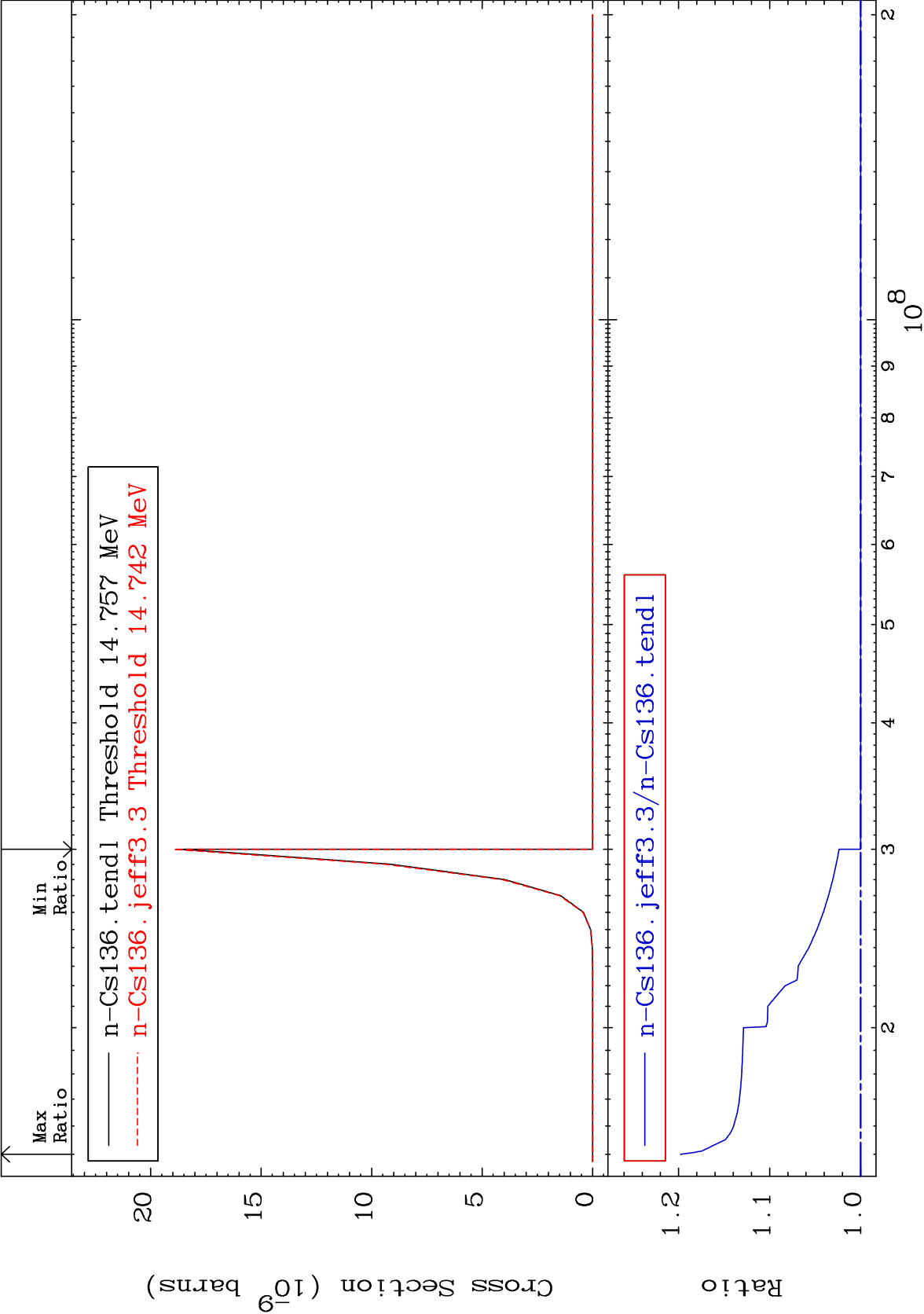
Cross Section

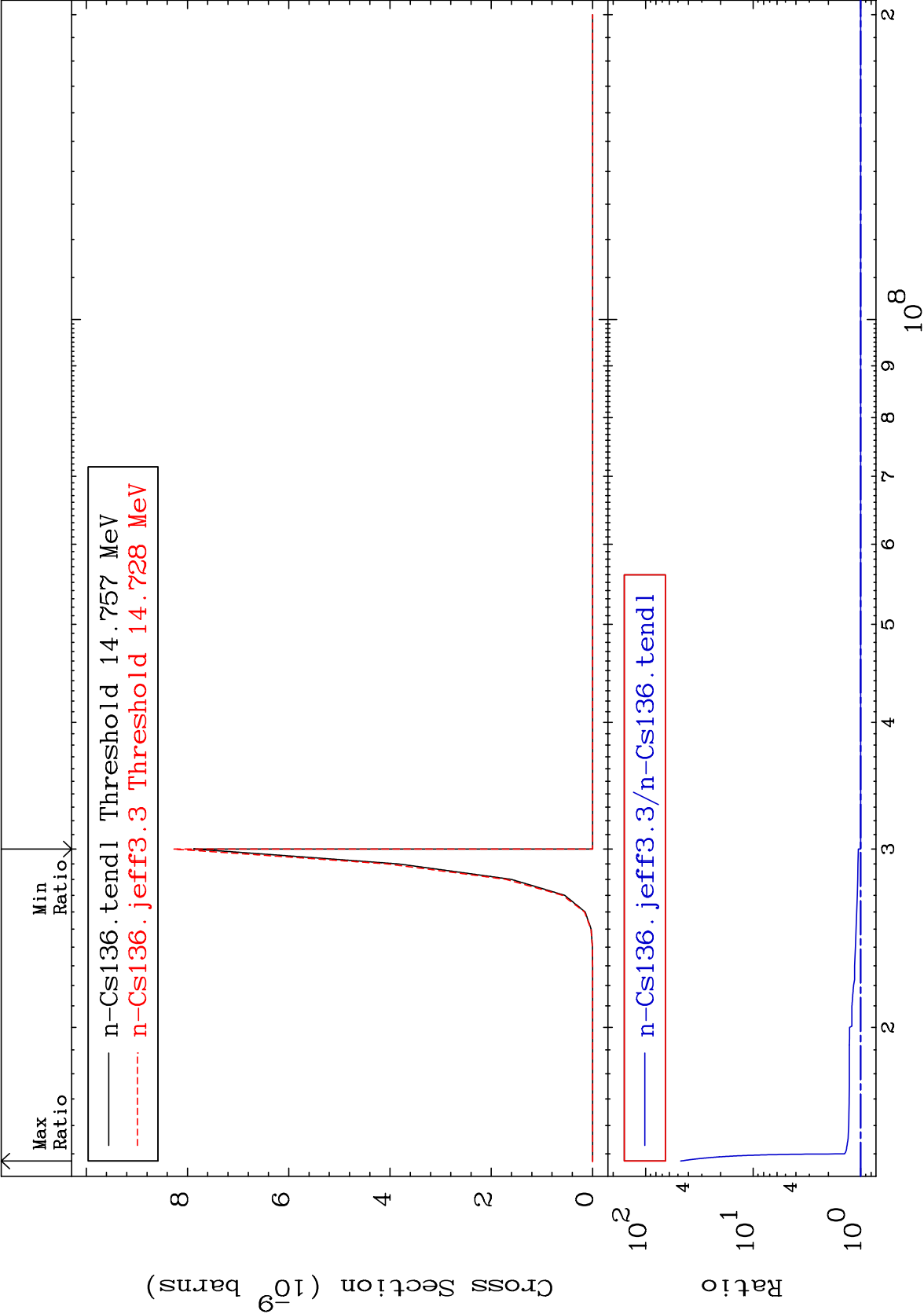
0.000

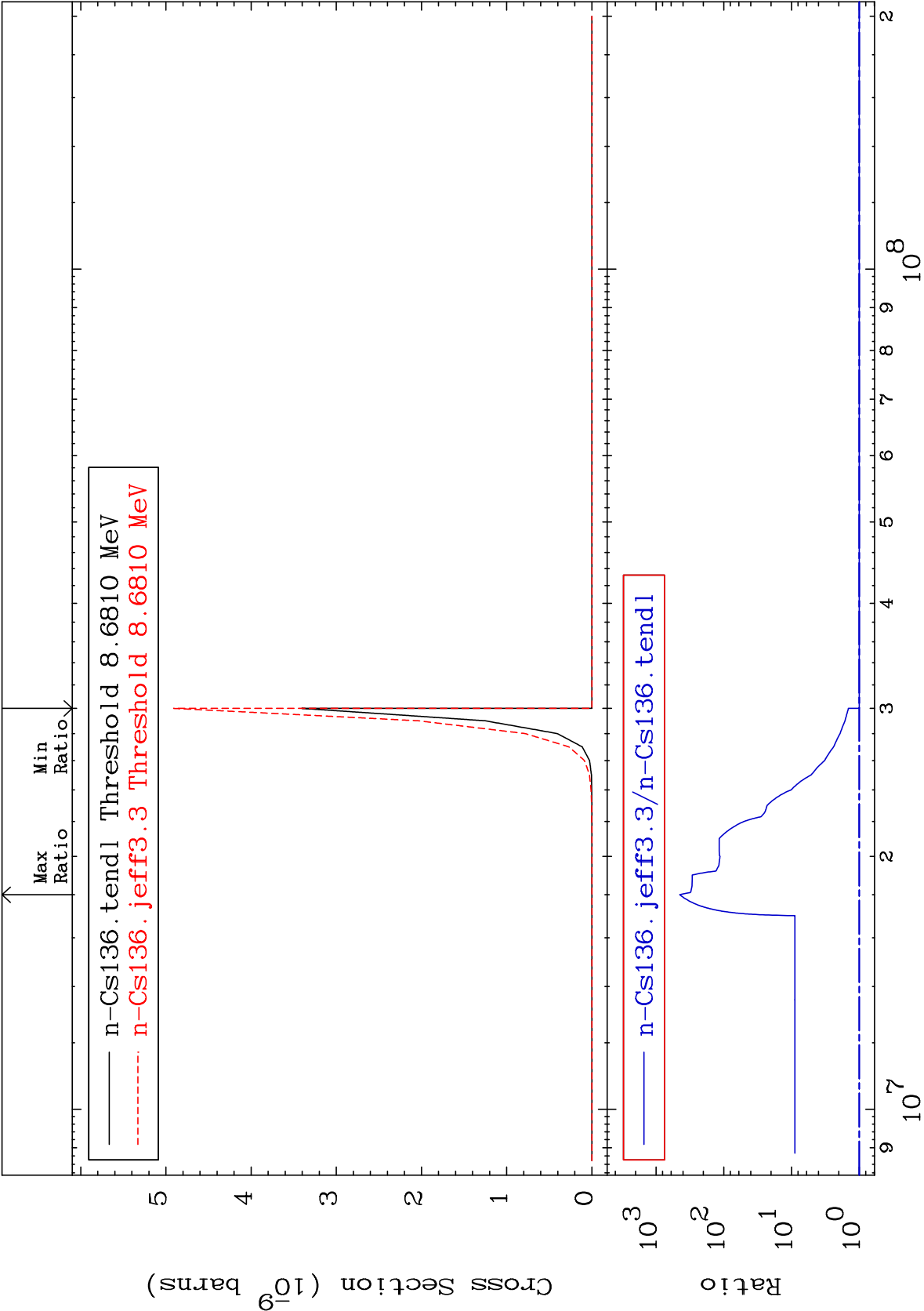
To 21.65 %









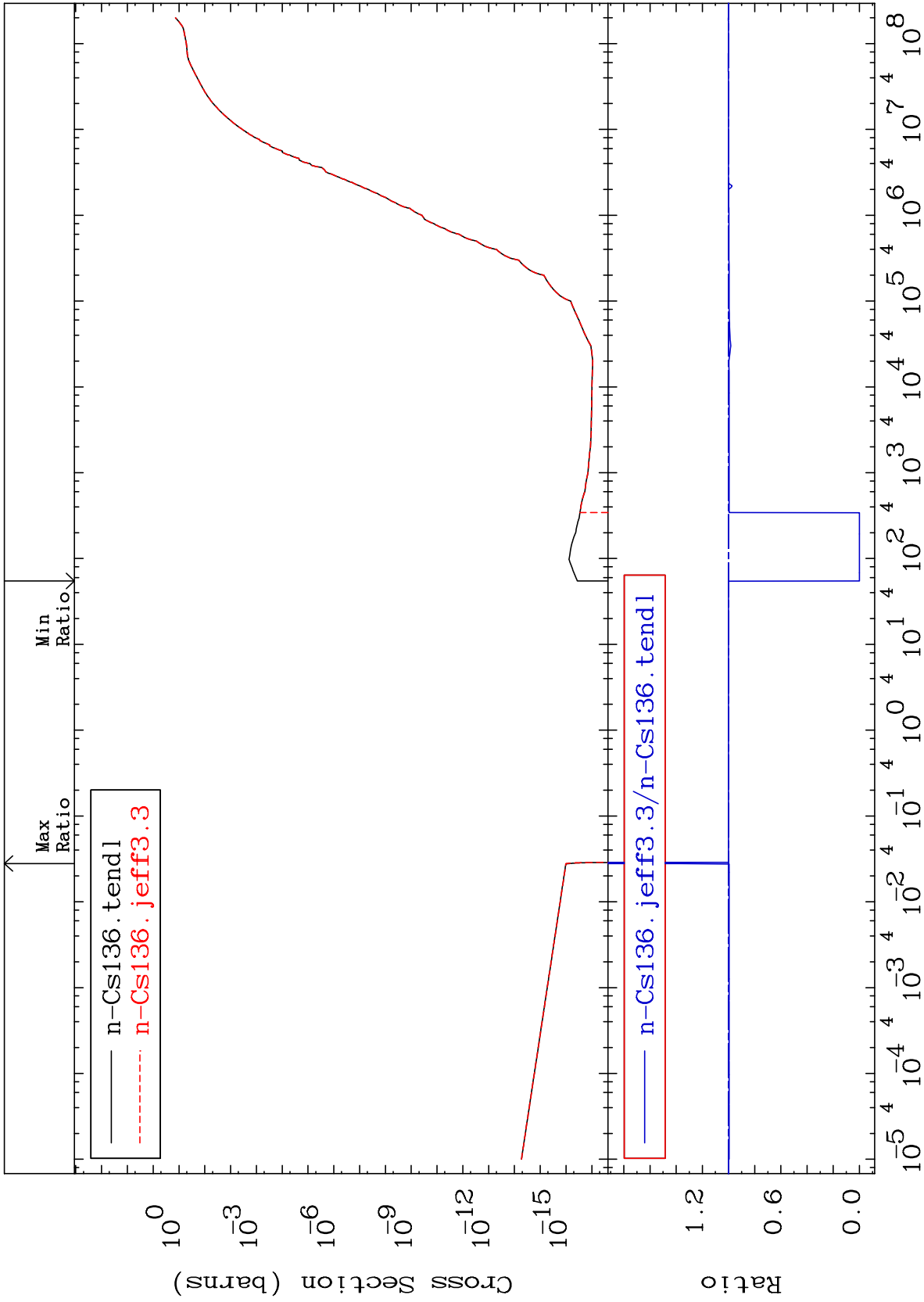


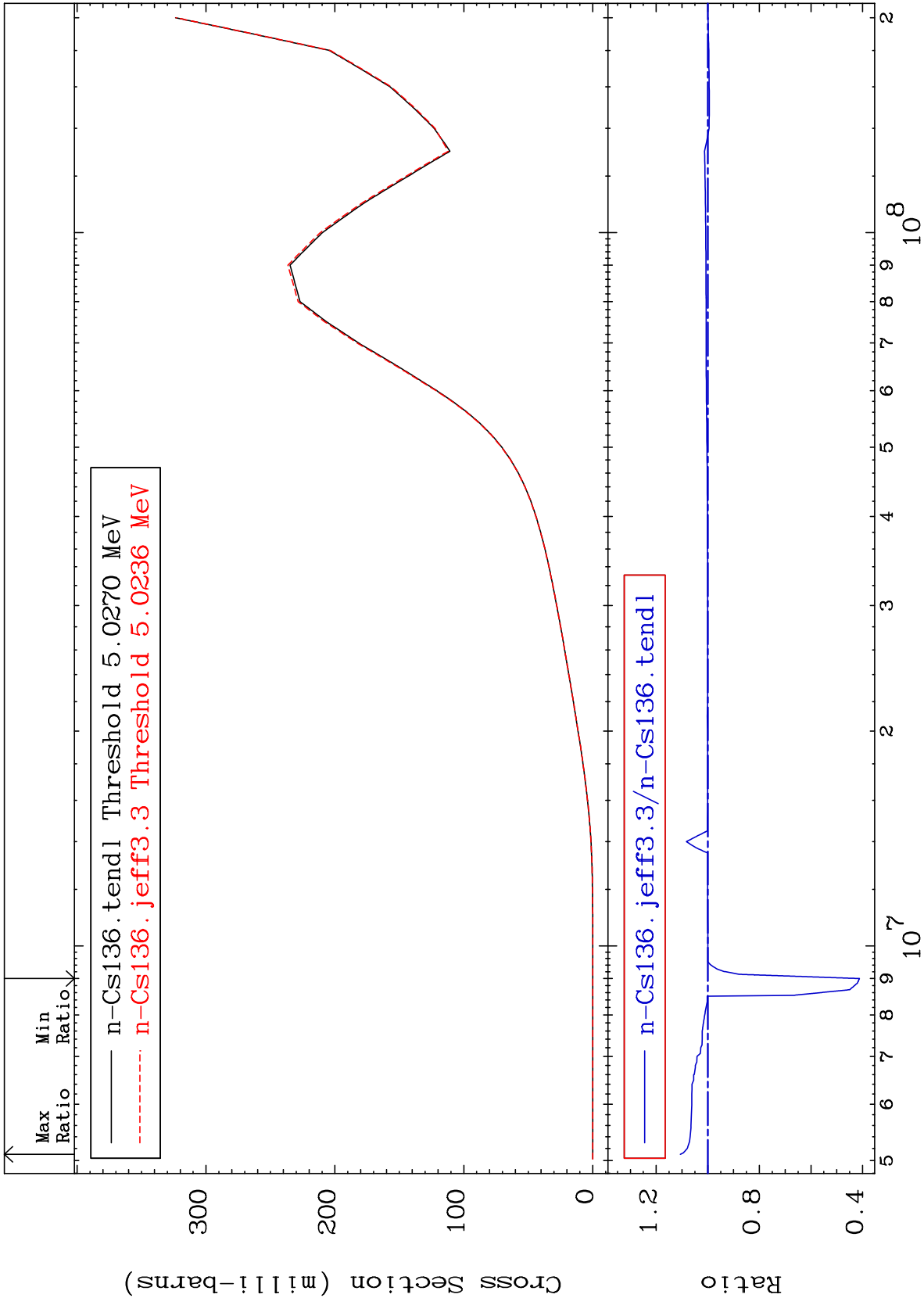
MAT 5534

Hydrogen Production
Cross Section

55-Cs-136

-100.0 To 36.81 %

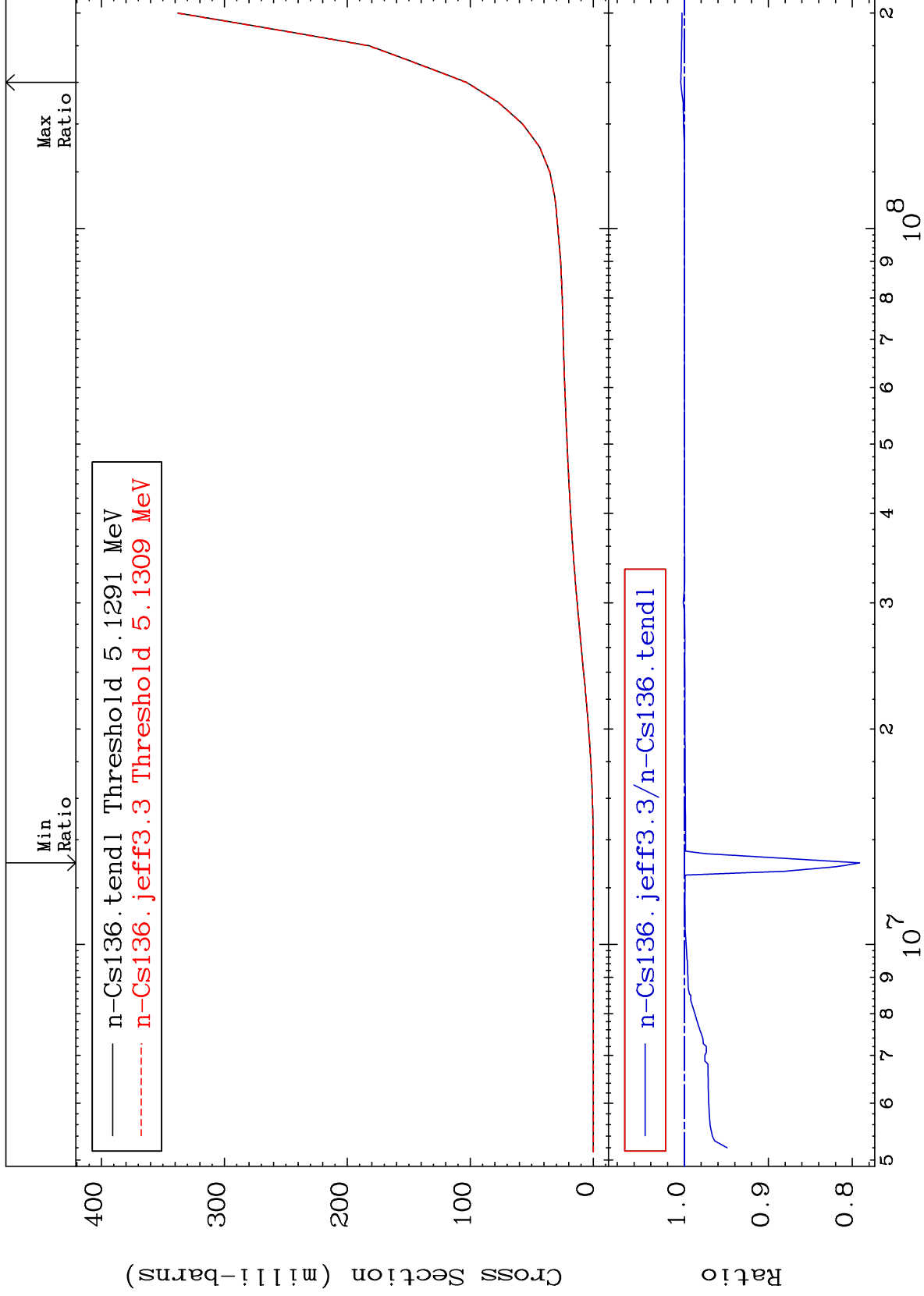




MAT 5534

Tritium Production
Cross Section

55-Cs-136
-20.86 To 0.432 %



47

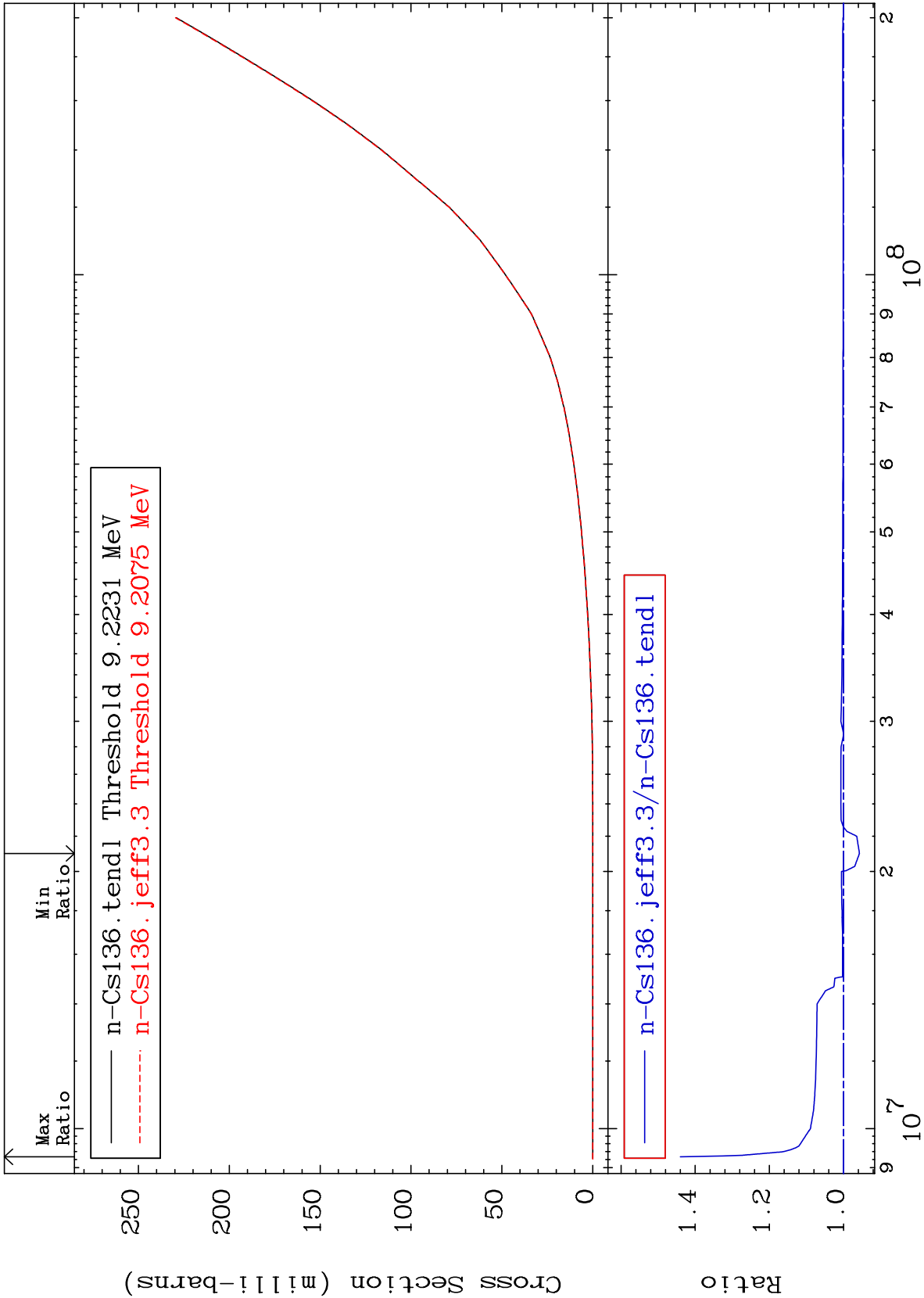
Incident Energy (eV)

55-Cs-136

MAT 5534

He-3 Production
Cross Section

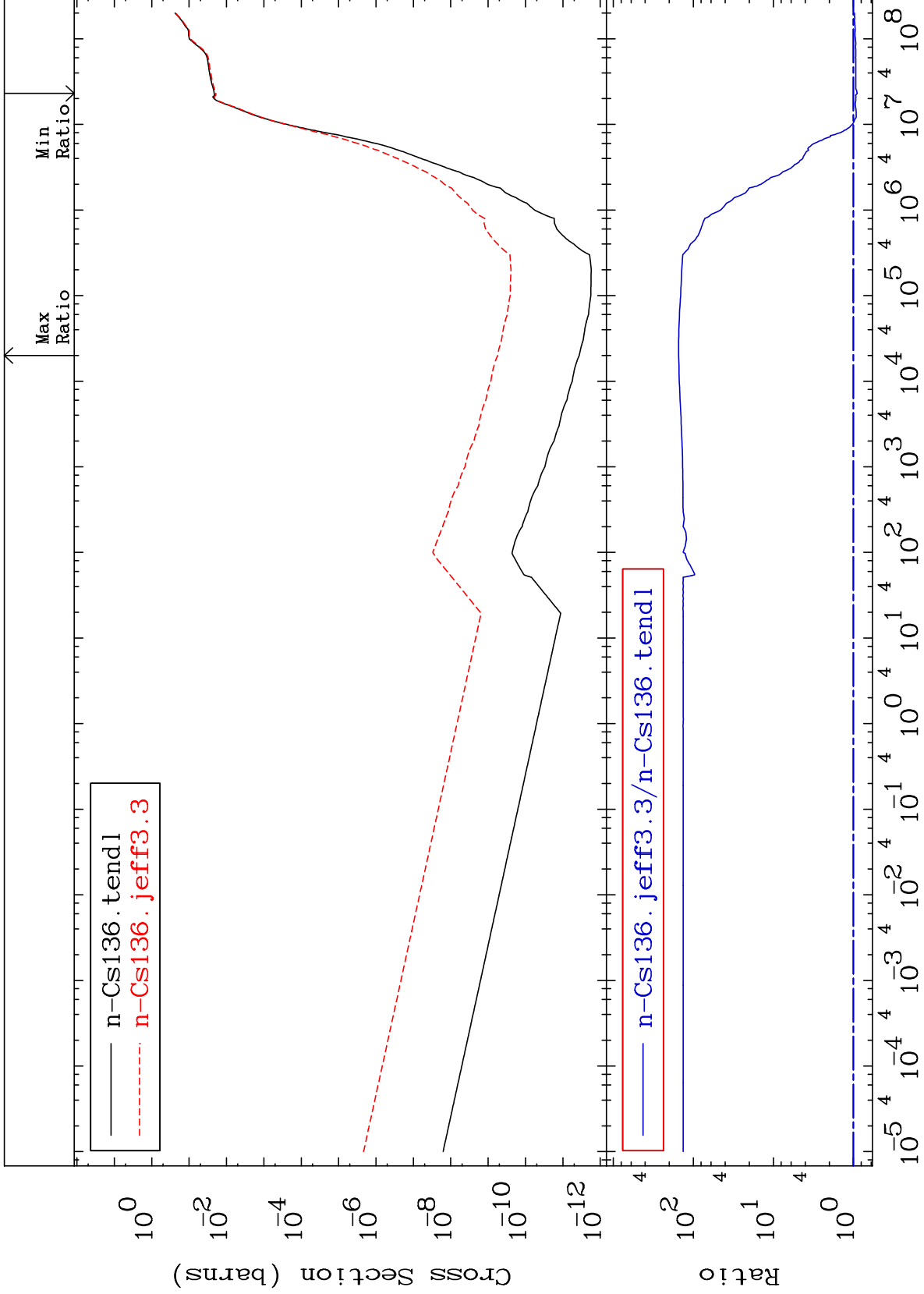
55-Cs-136
-4.277 To 44.00 %

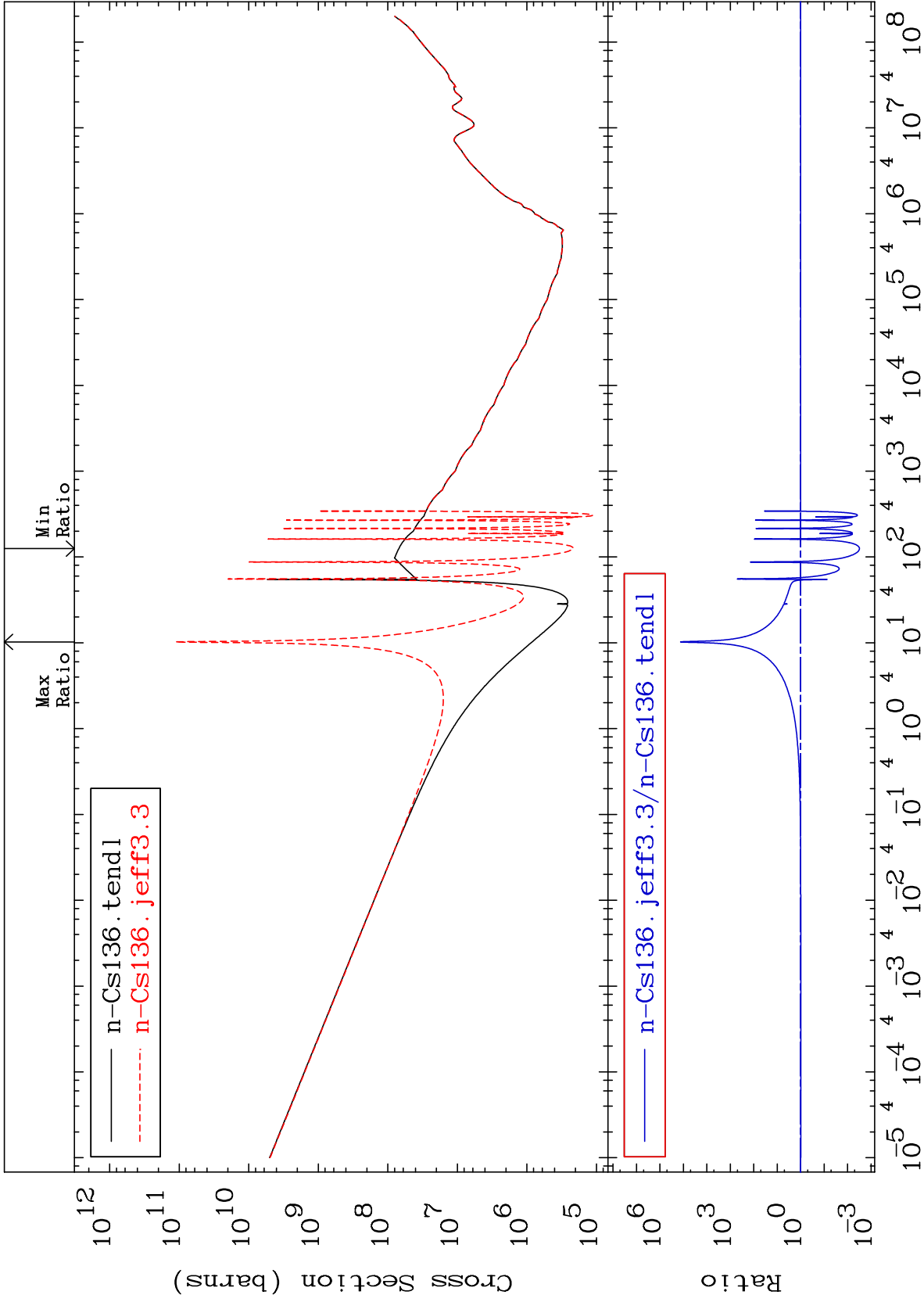


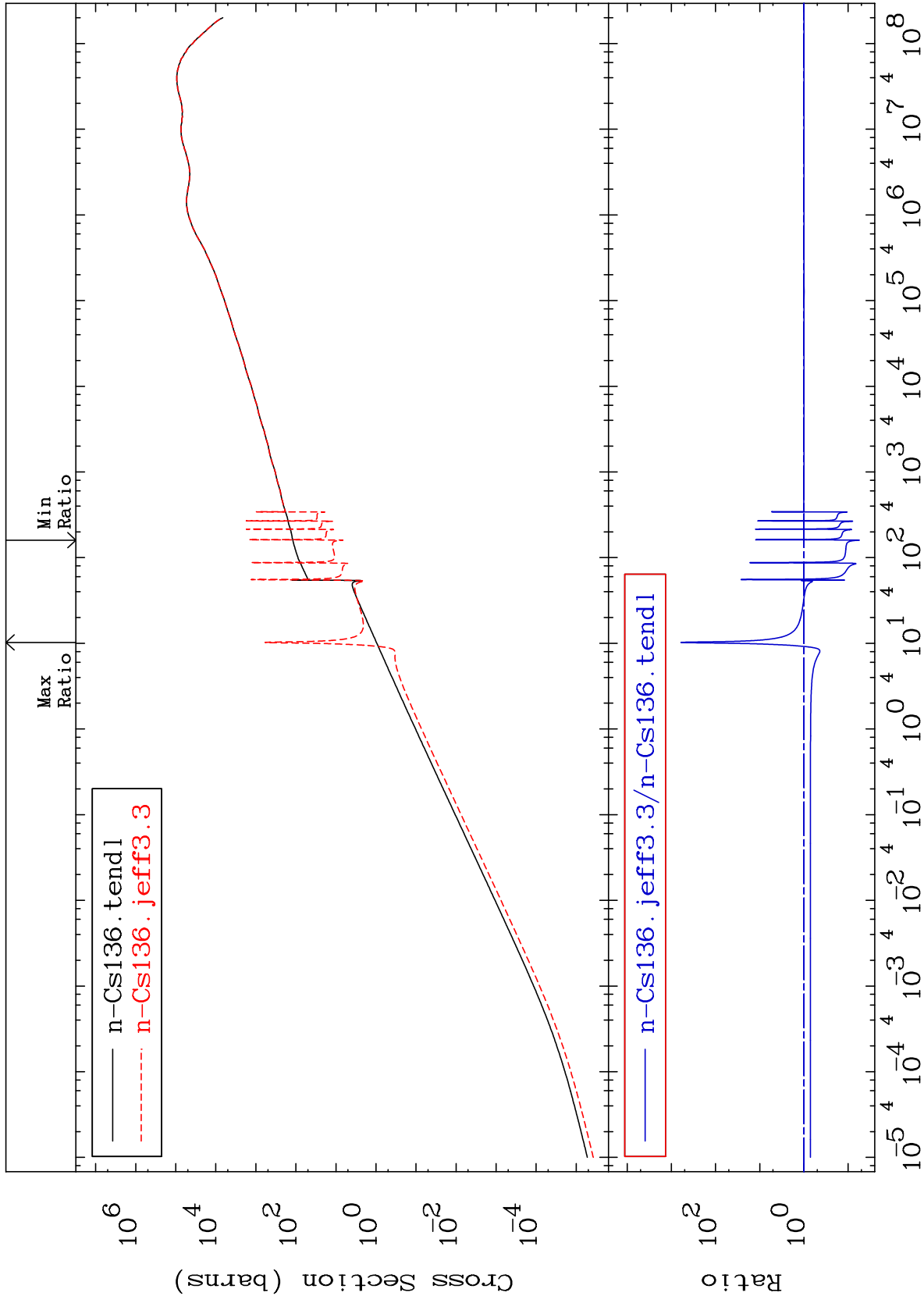
48

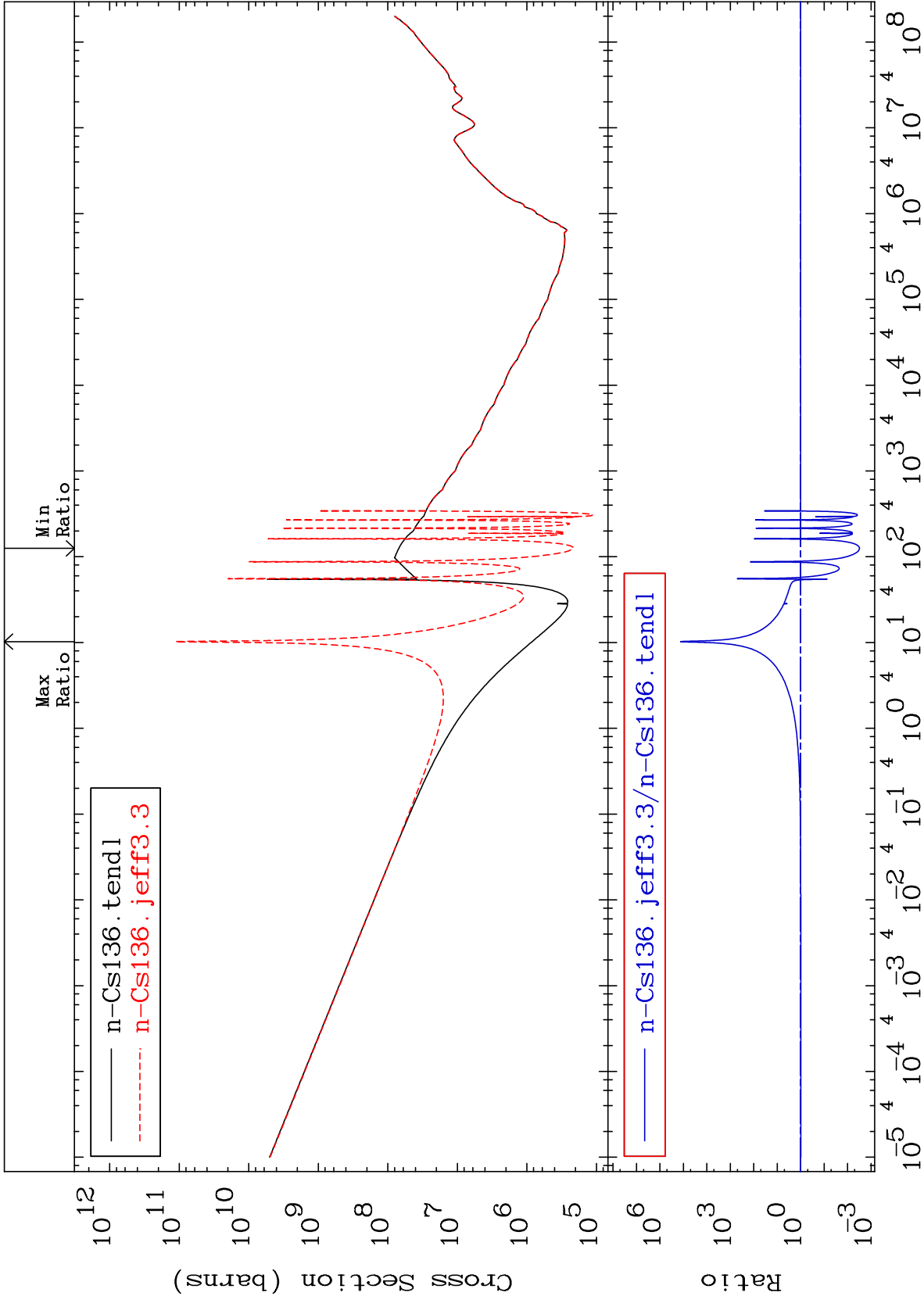
Incident Energy (eV)

55-Cs-136

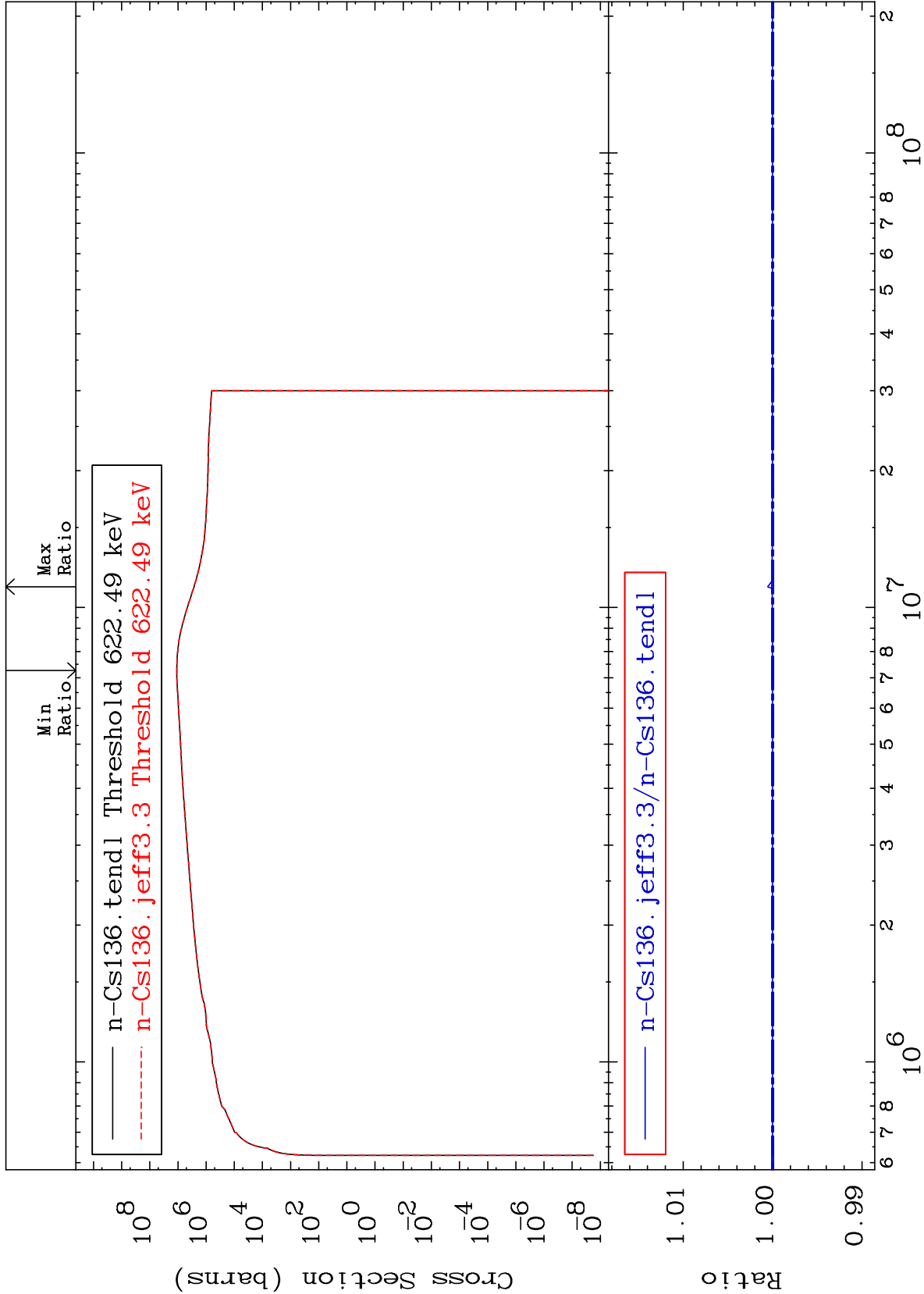


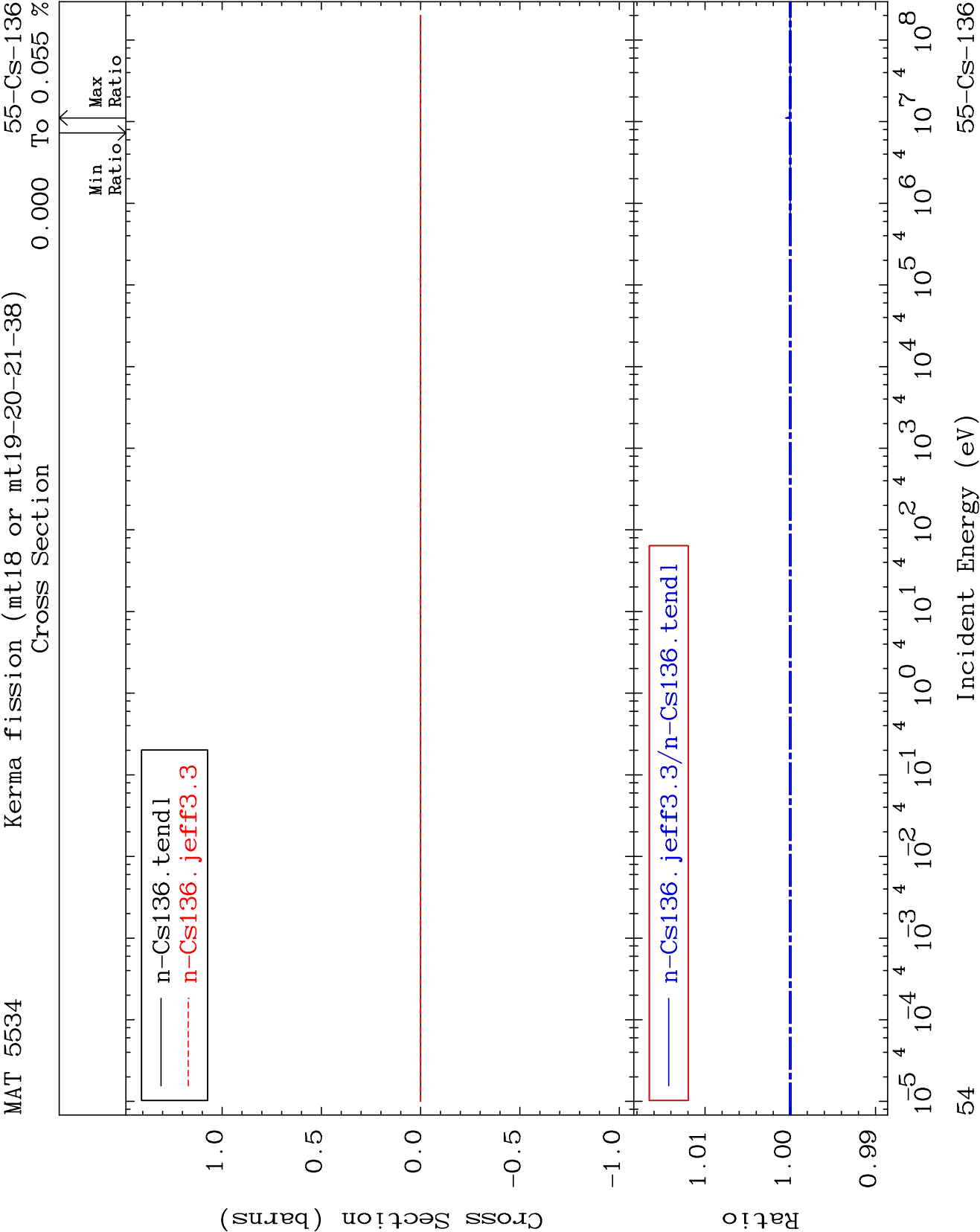


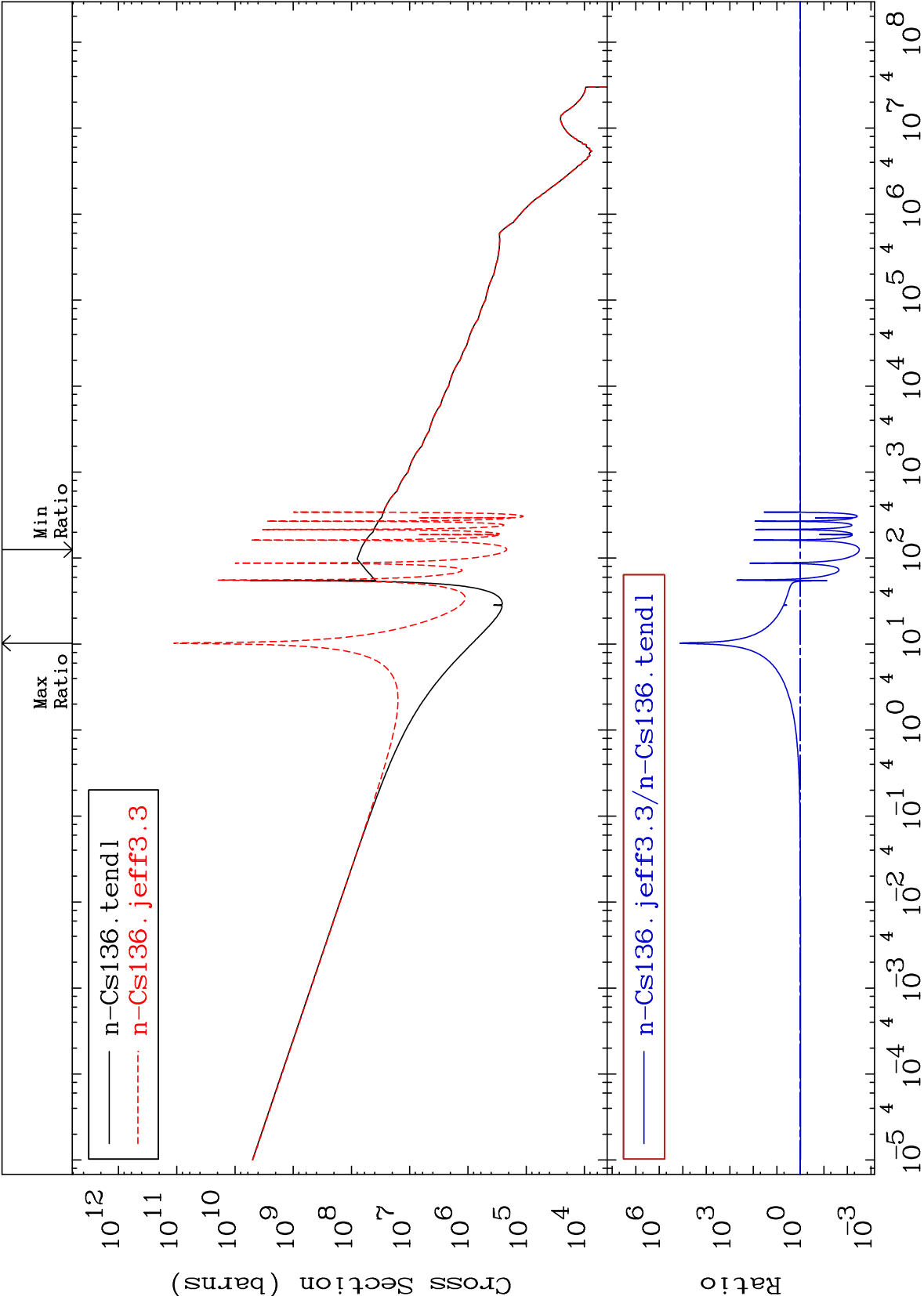


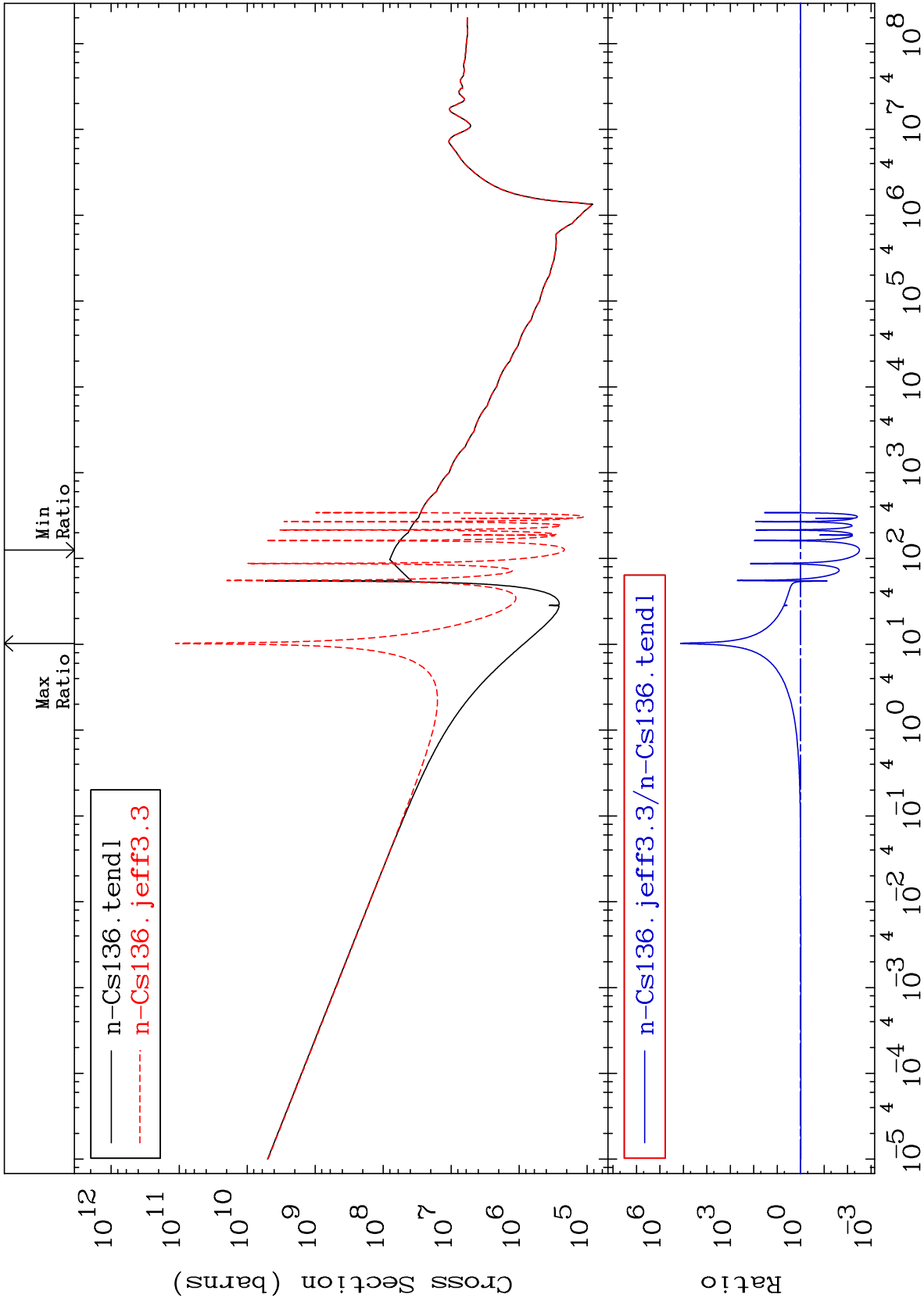


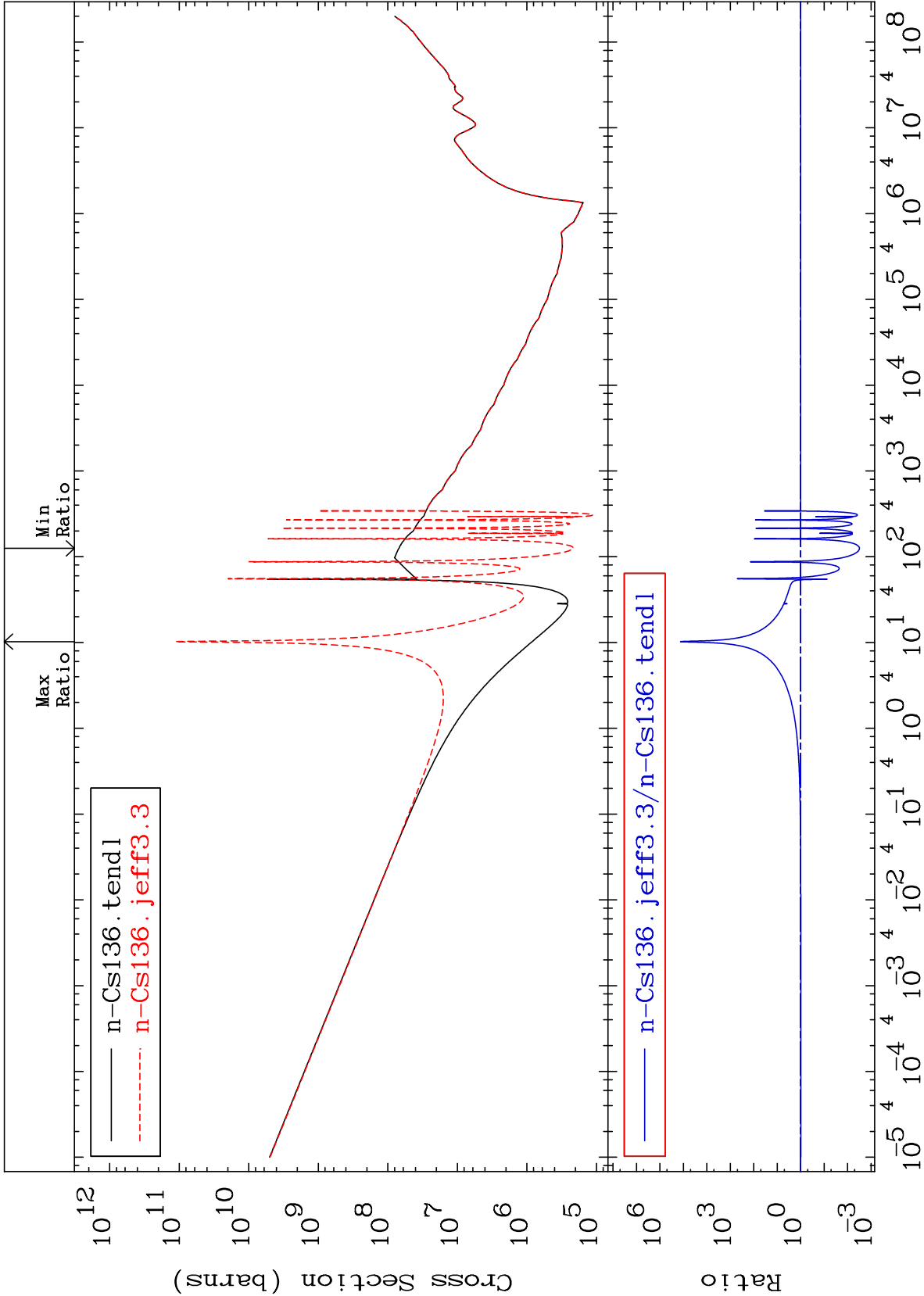
0.000 To 0.055 %





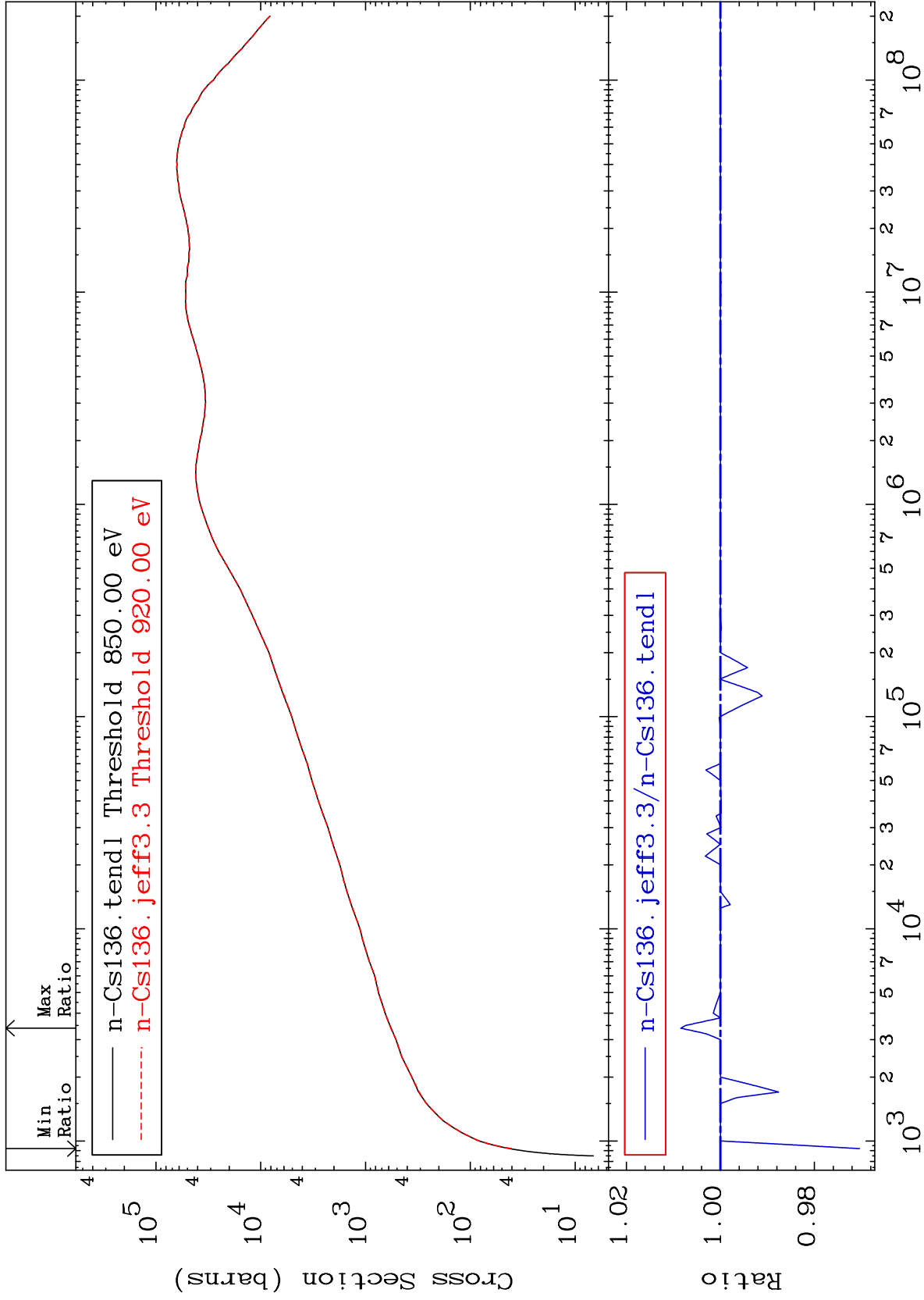






Cross Section

-2.960 To 0.843 %



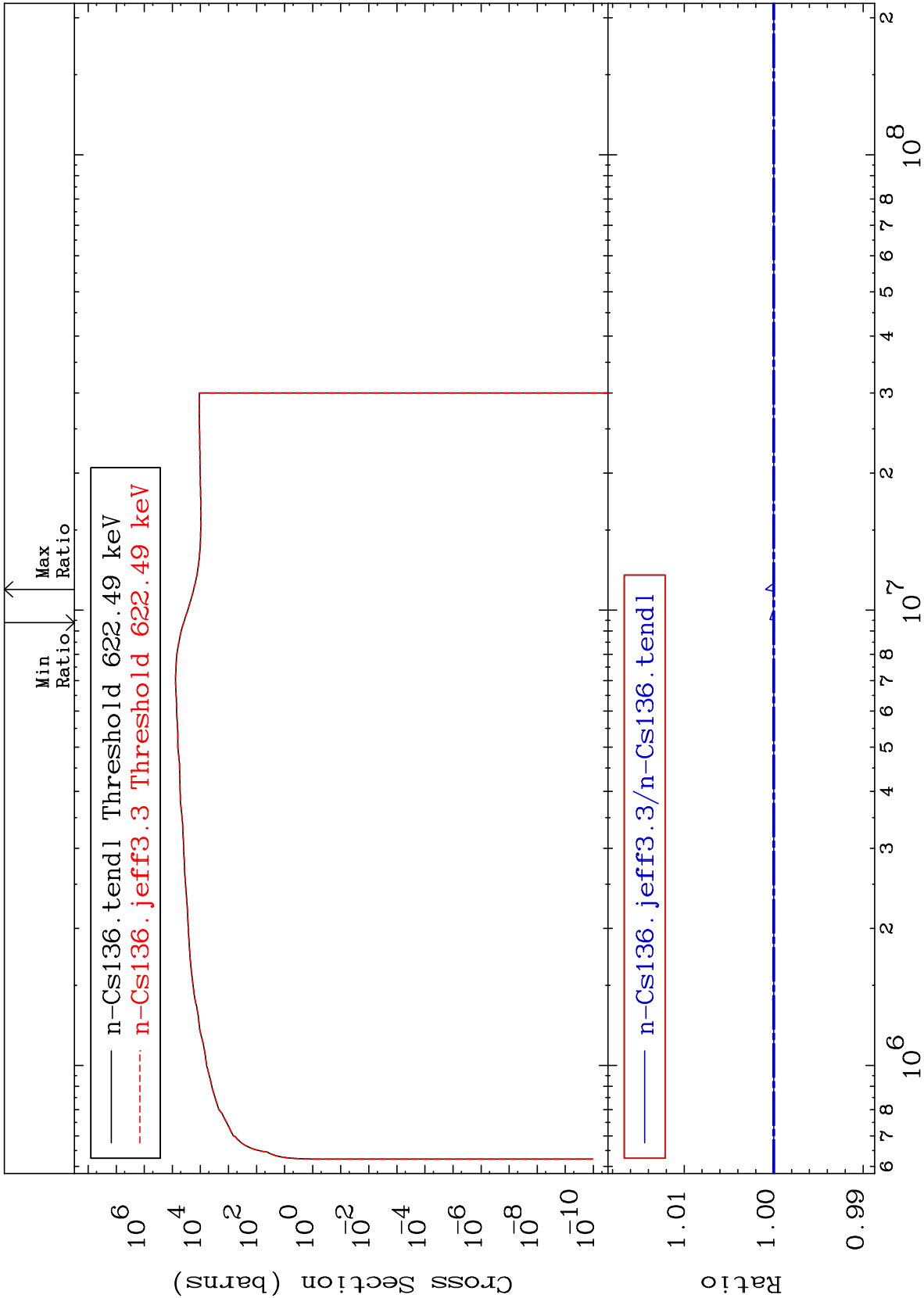
MAT 5534

Dpa inelastic (mt51-91)

55-Cs-136

-0.006 To 0.091 %

Cross Section

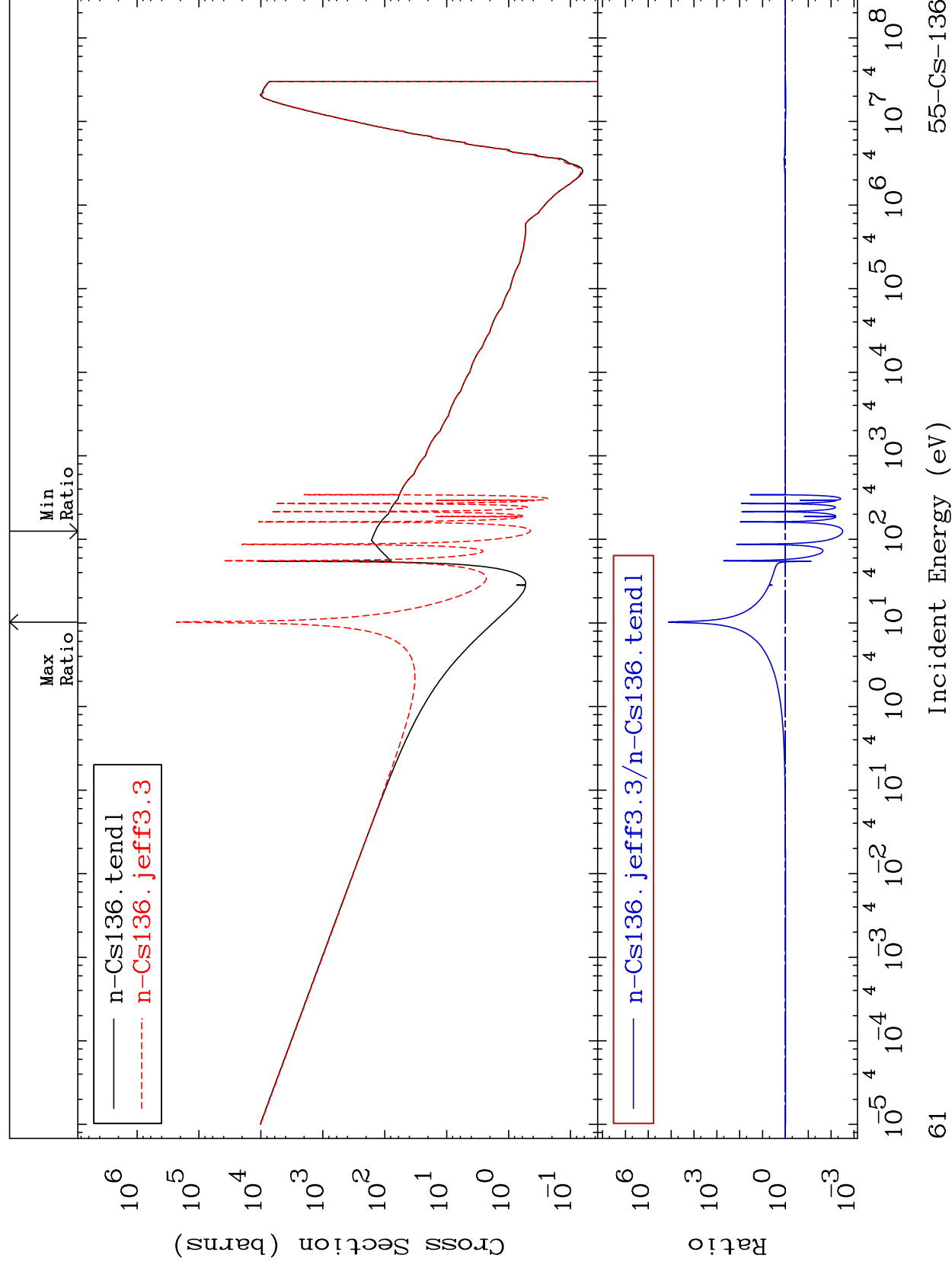


MAT 5534

Dpa disappearance (mt102 -120)

55-CS-136

-99.69 To 99.99. %



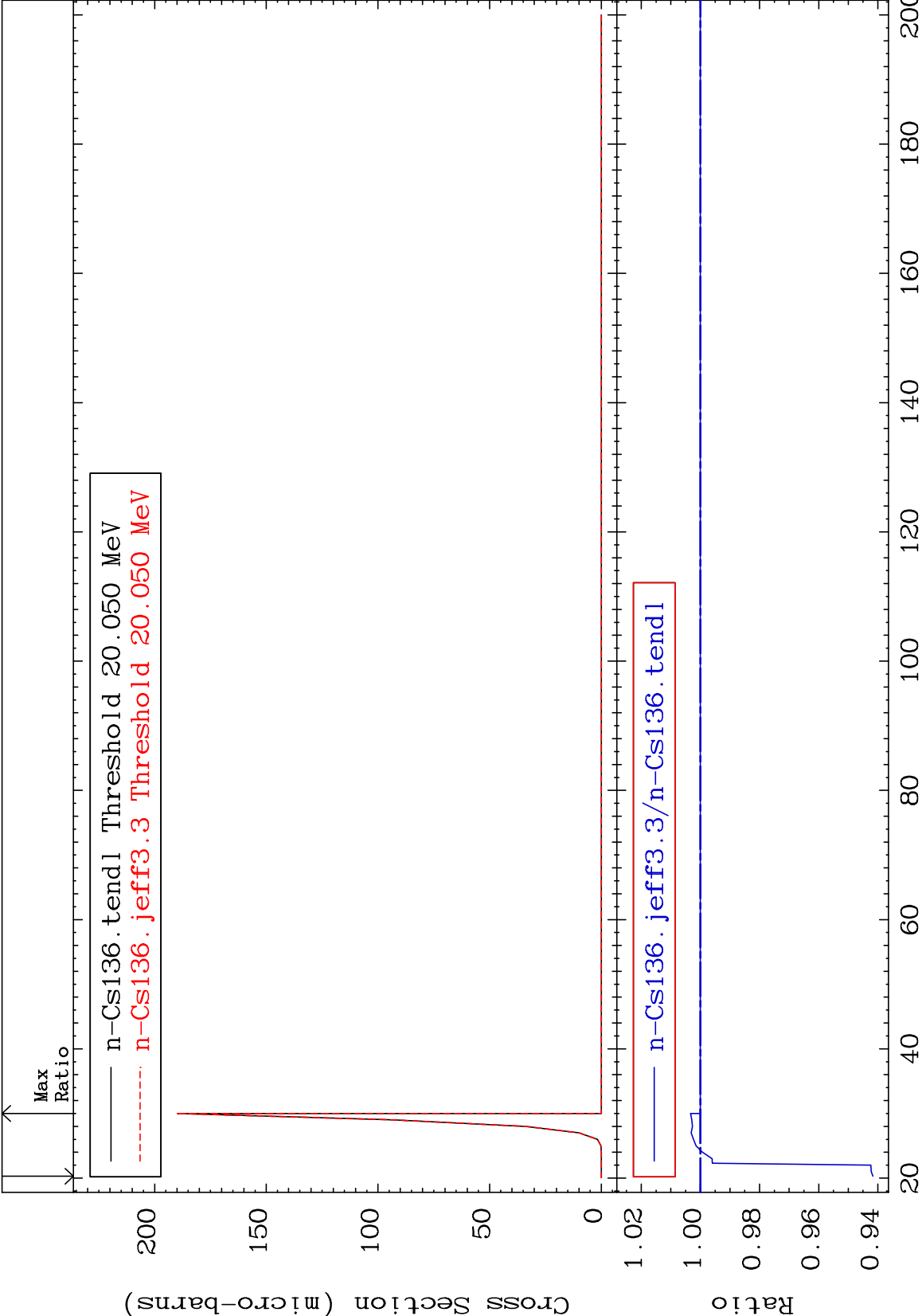
MAT 5534

(n,2n) d:54-Xe-133g

55-Cs-136

Radionuclide Production Cross Section

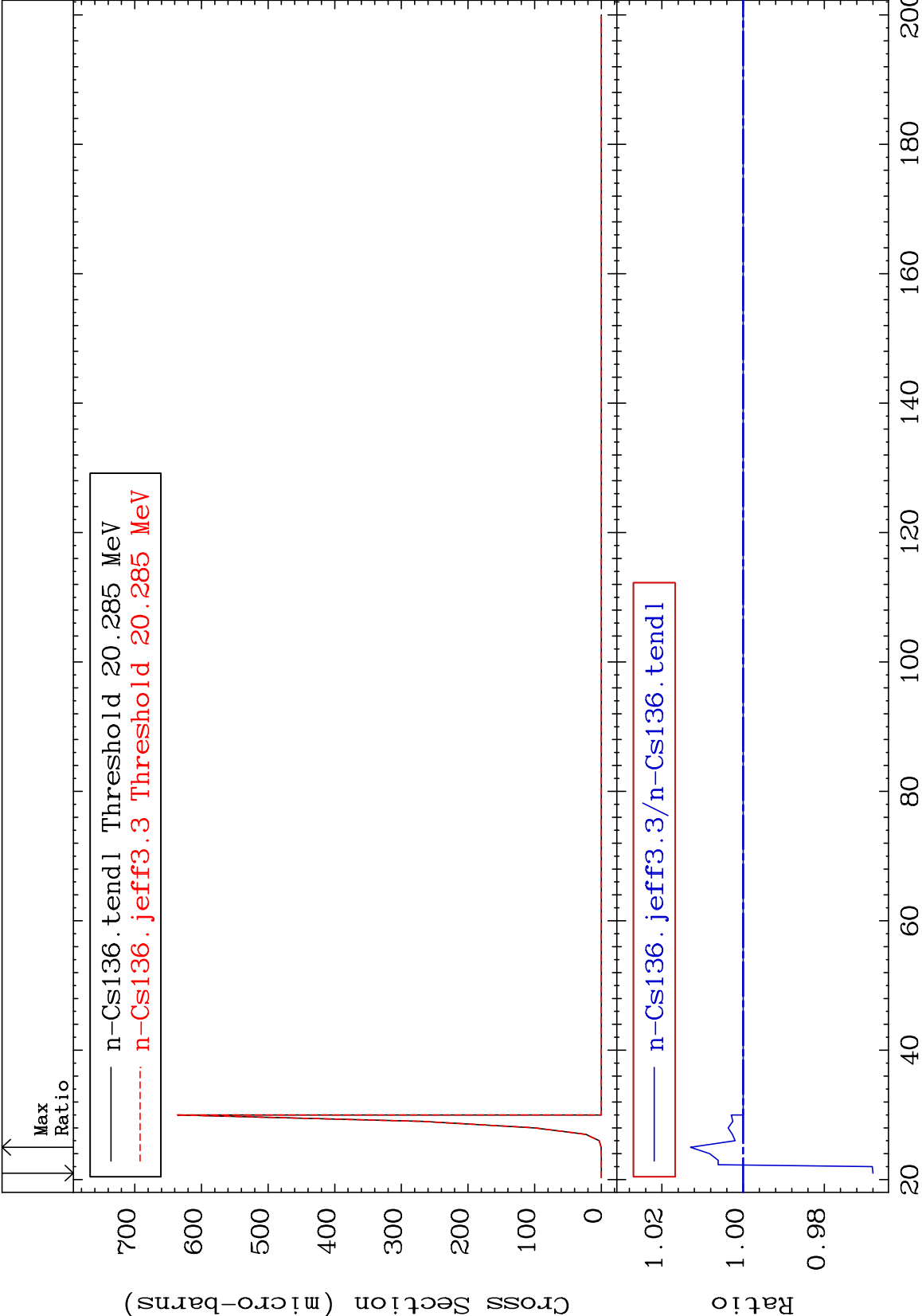
-5.834 To 0.332 %

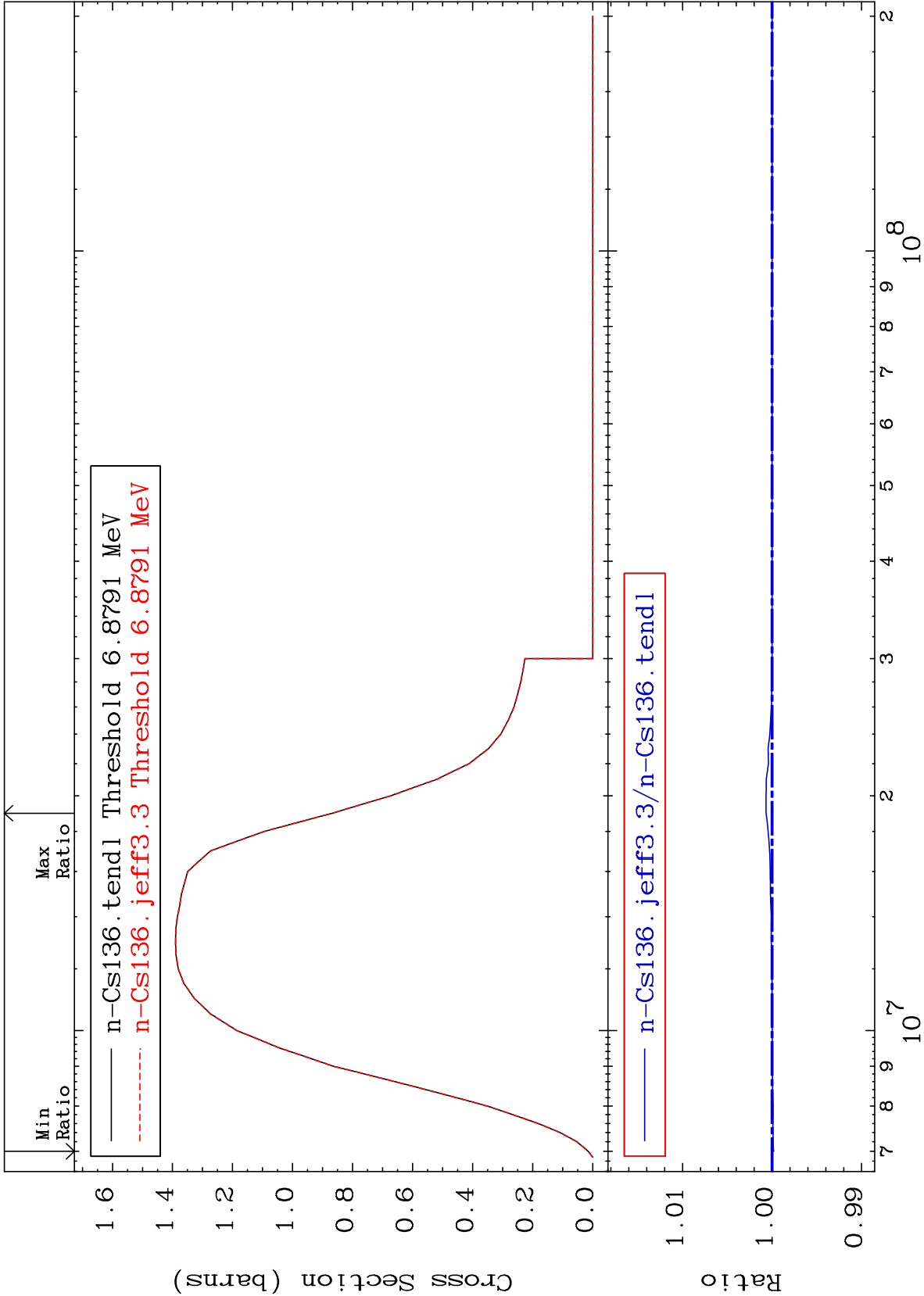


62

Incident Energy (MeV)

55-Cs-136





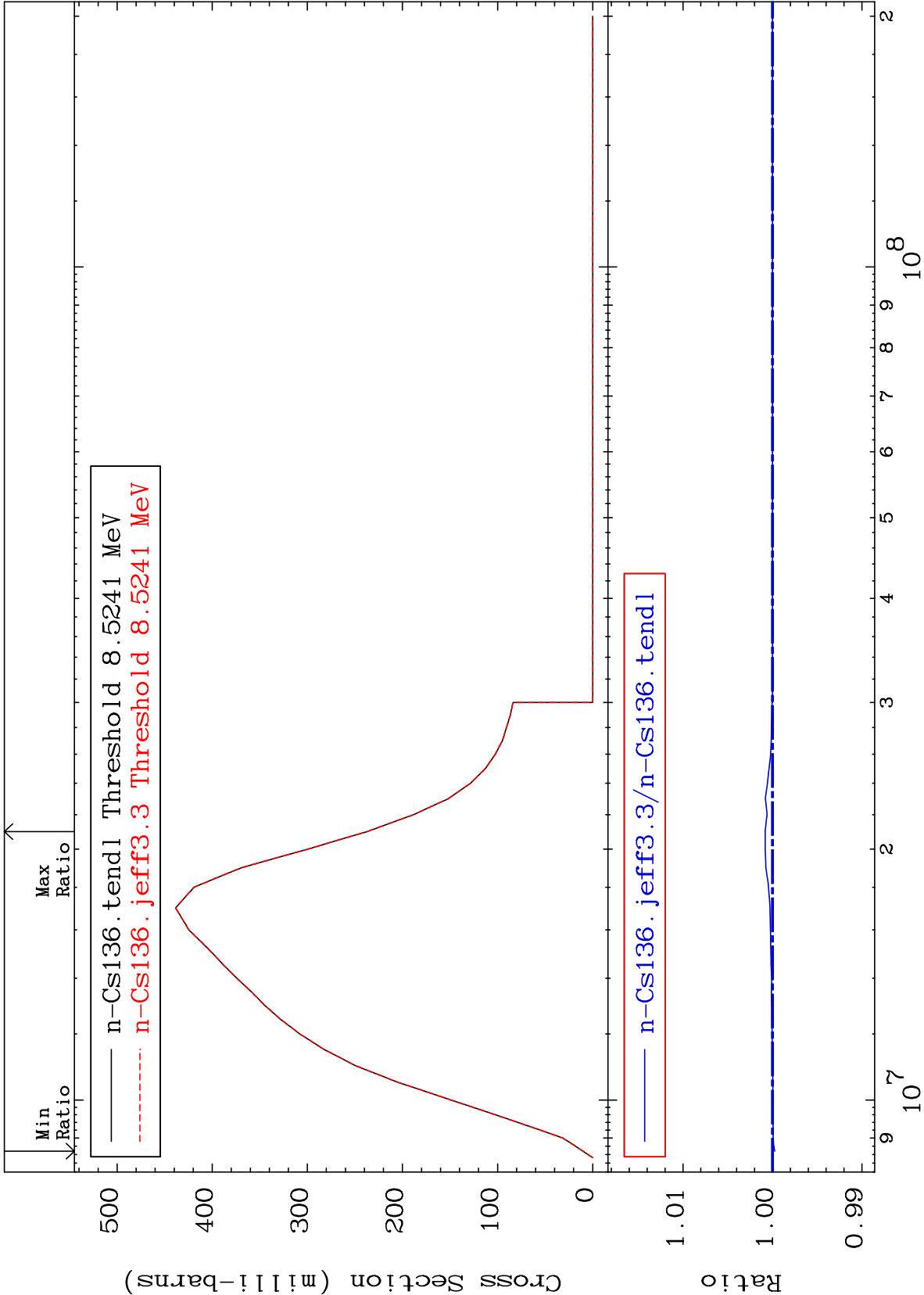
MAT 5534

(n,2n):55-Cs-135m10

55-Cs-136

Radionuclide Production Cross Section

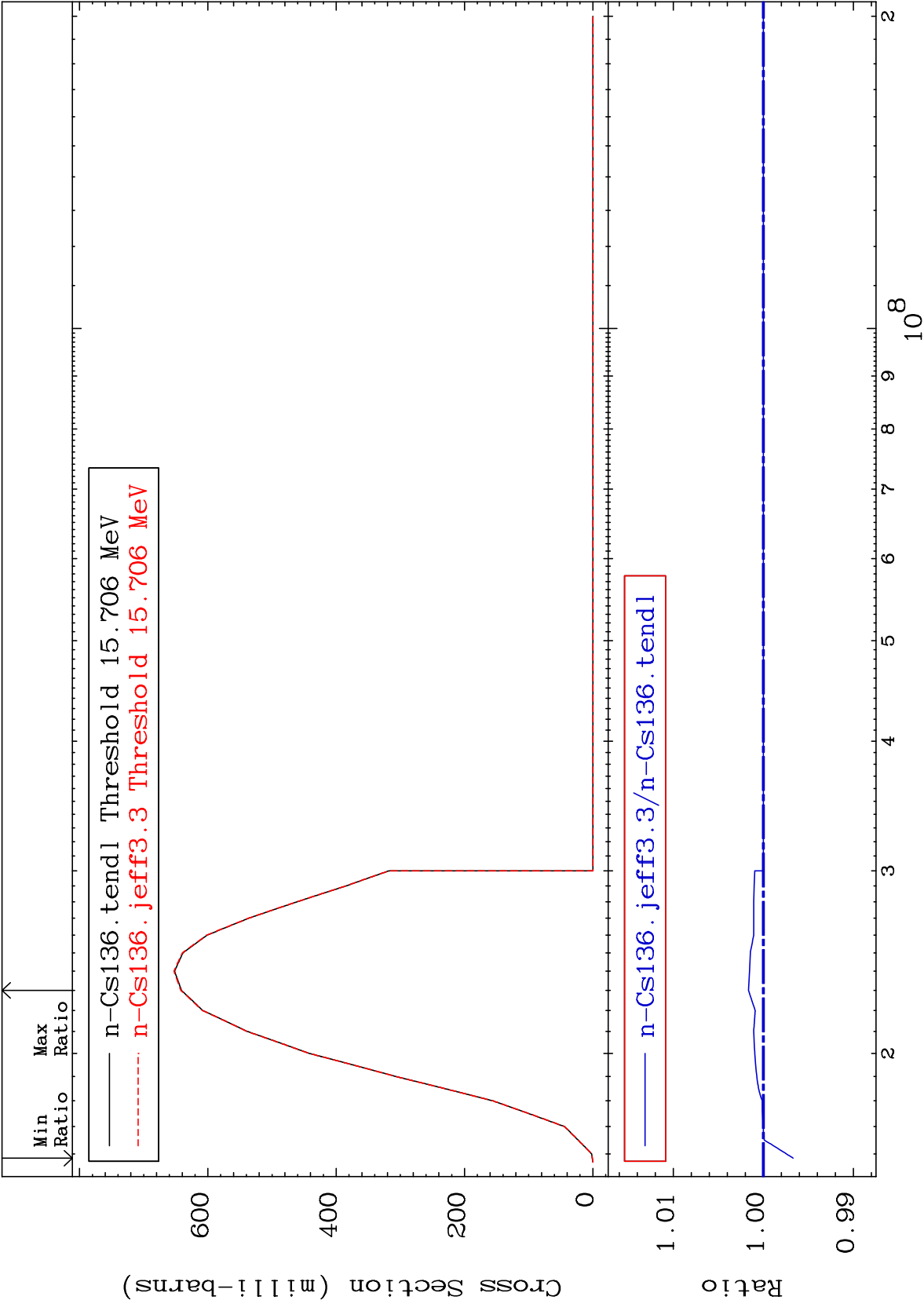
-0.025 To 0.082 %

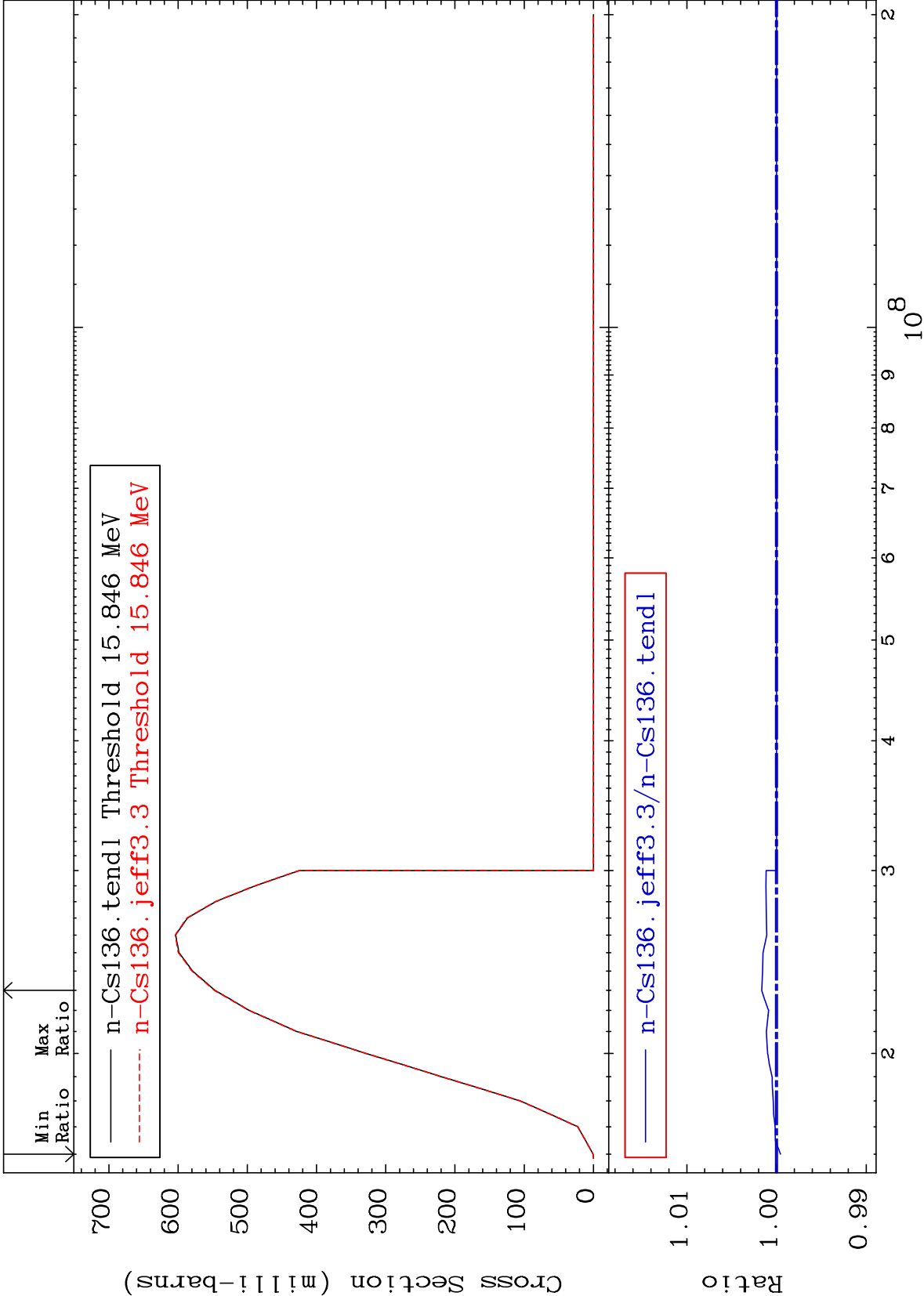


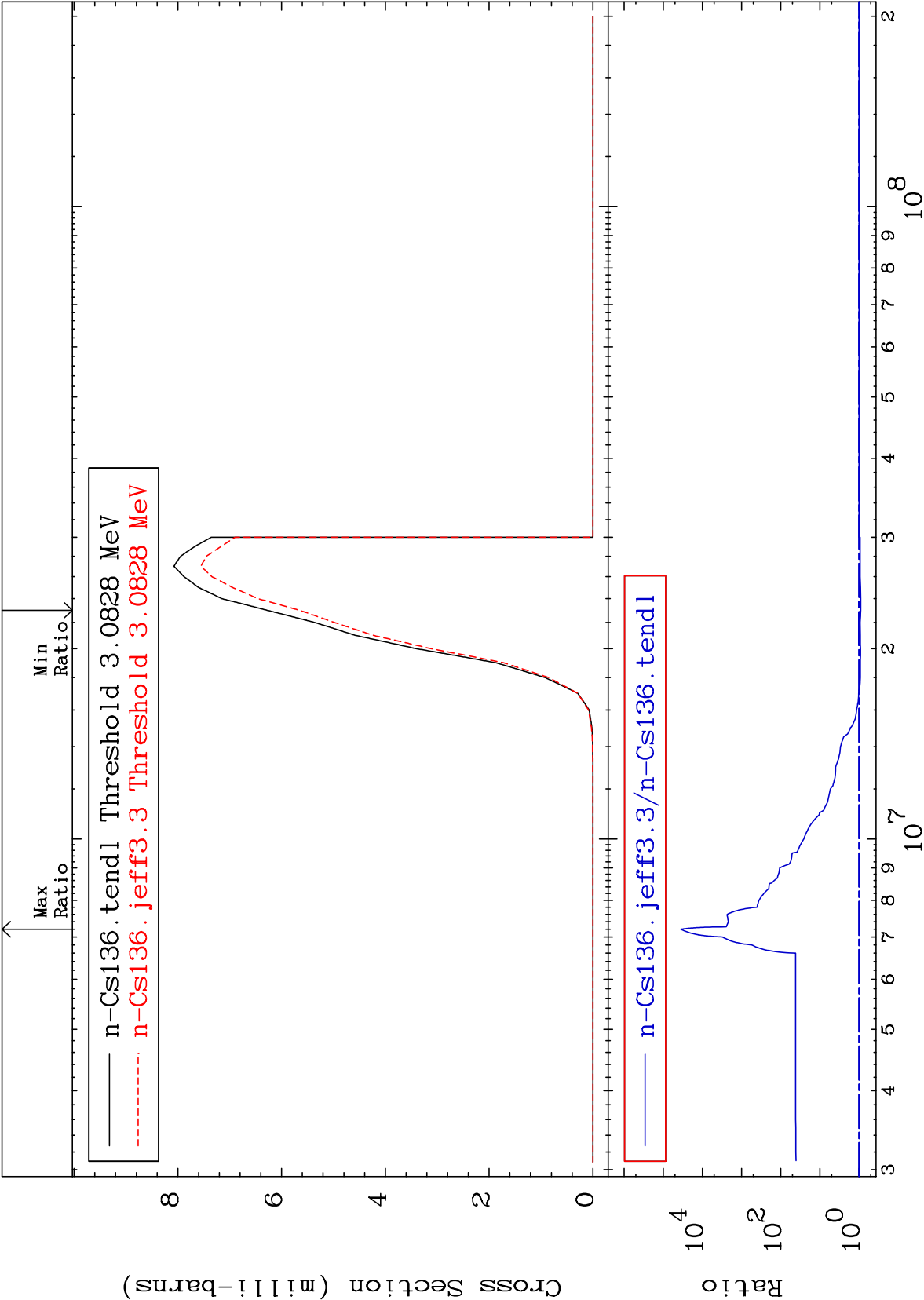
65

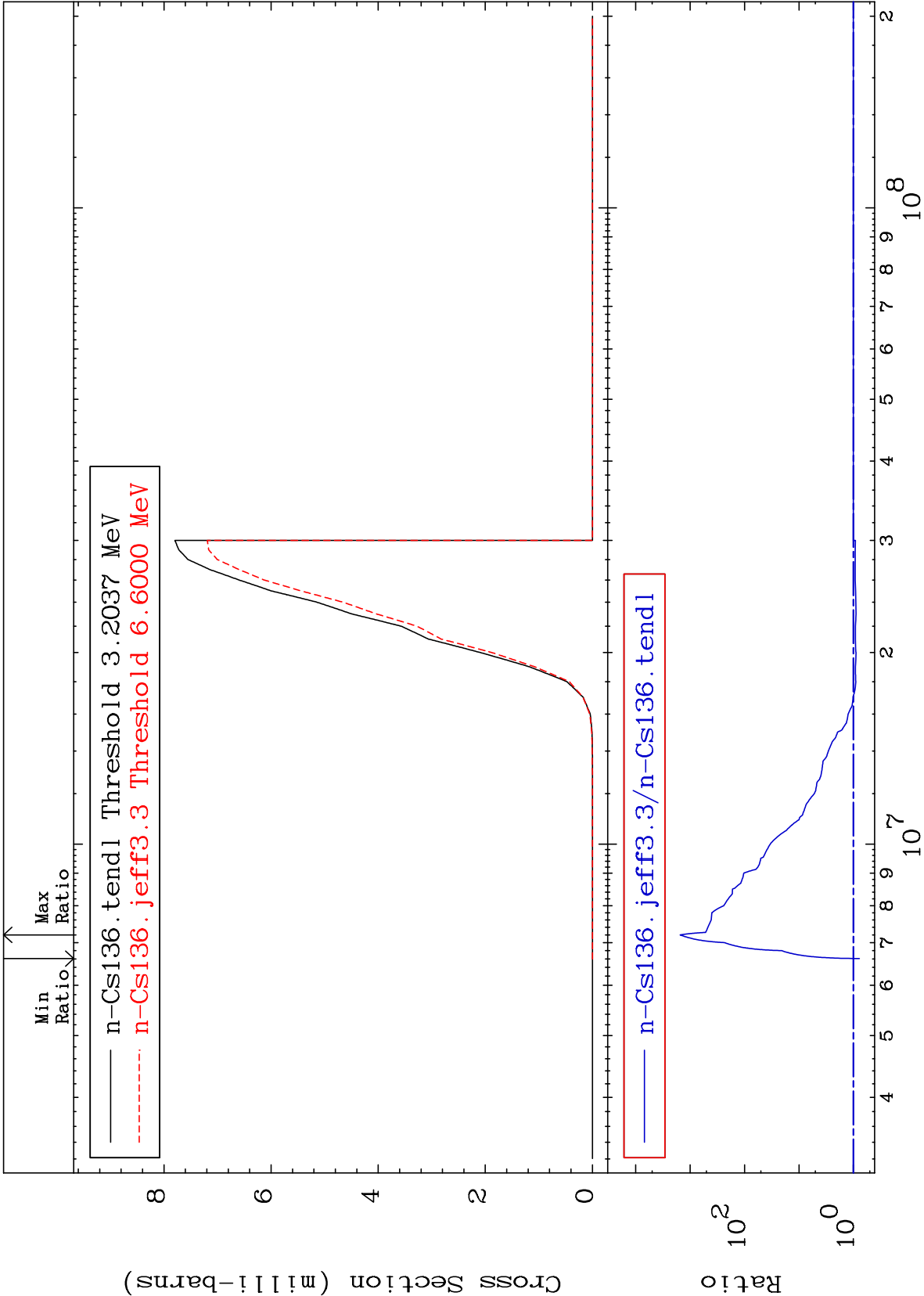
Incident Energy (eV)

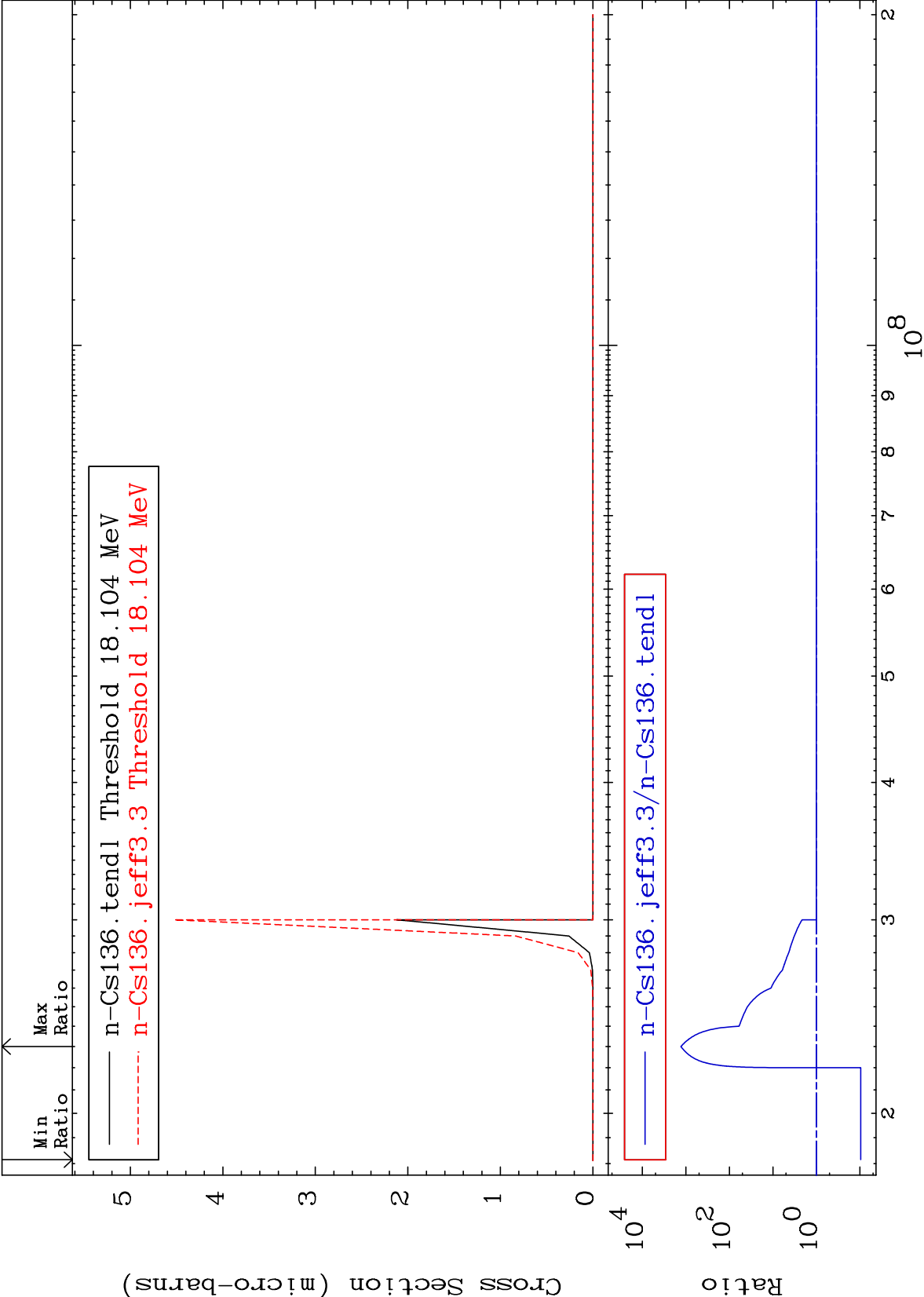
55-Cs-136

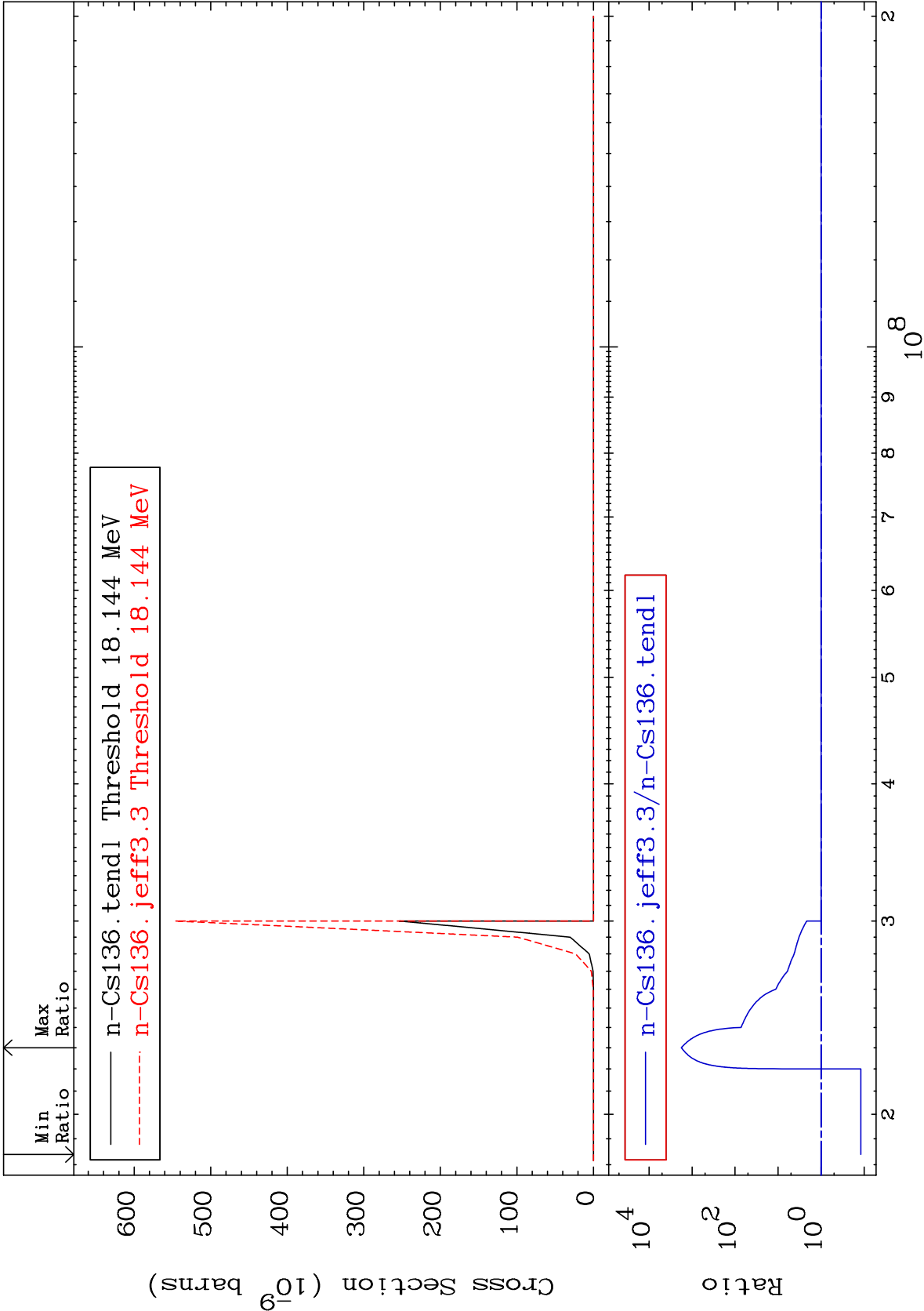






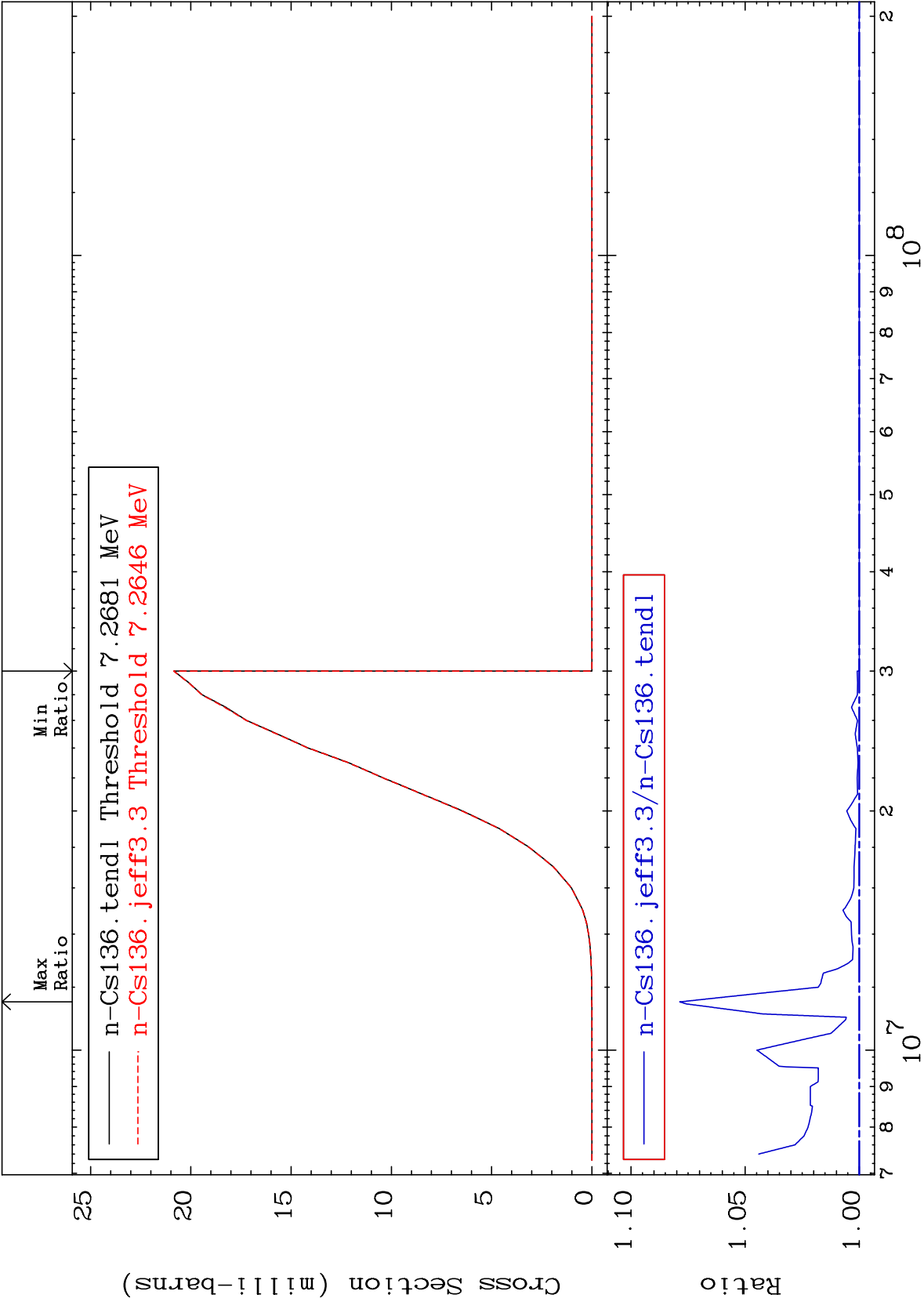






MAT 5534

(n,n') p:54-Xe-135g 55-Cs-136
Radionuclide Production Cross Section 0.000 To 7.867 %



72

Incident Energy (eV)

55-Cs-136

MAT 5534

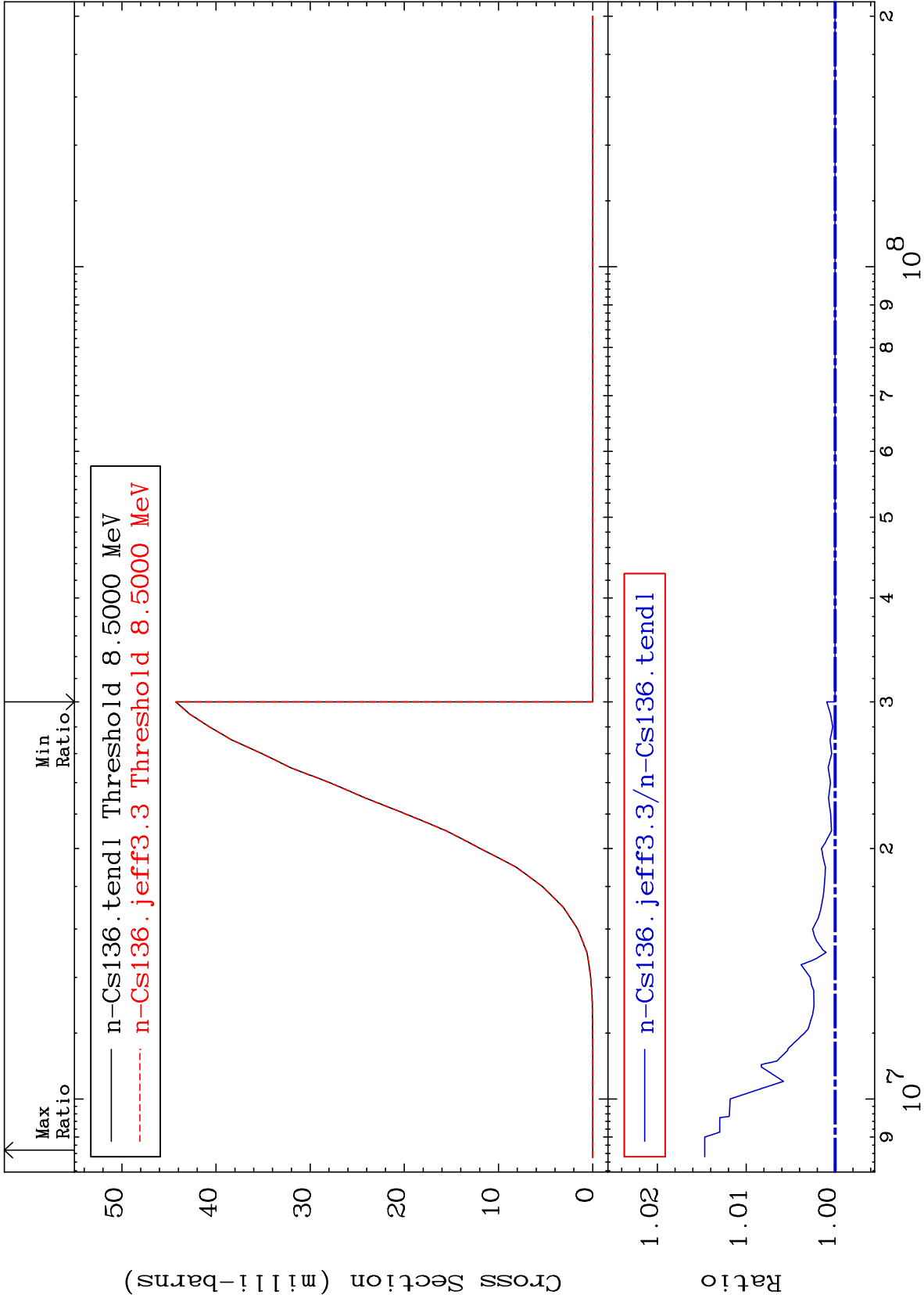
(n,n') p:54-Xe-135m2

55-Cs-136

Radionuclide Production Cross Section

0.000

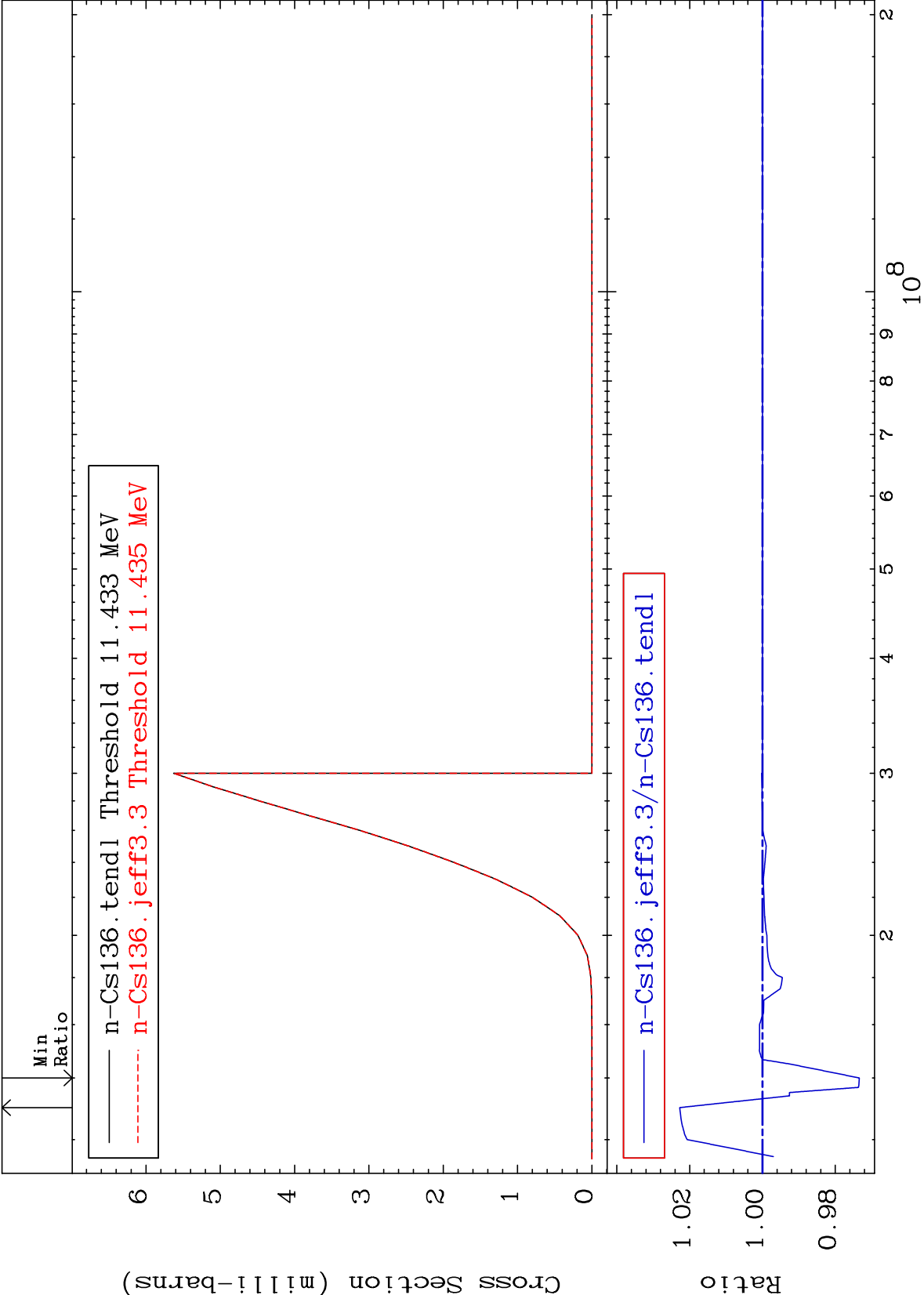
To 1.467 %



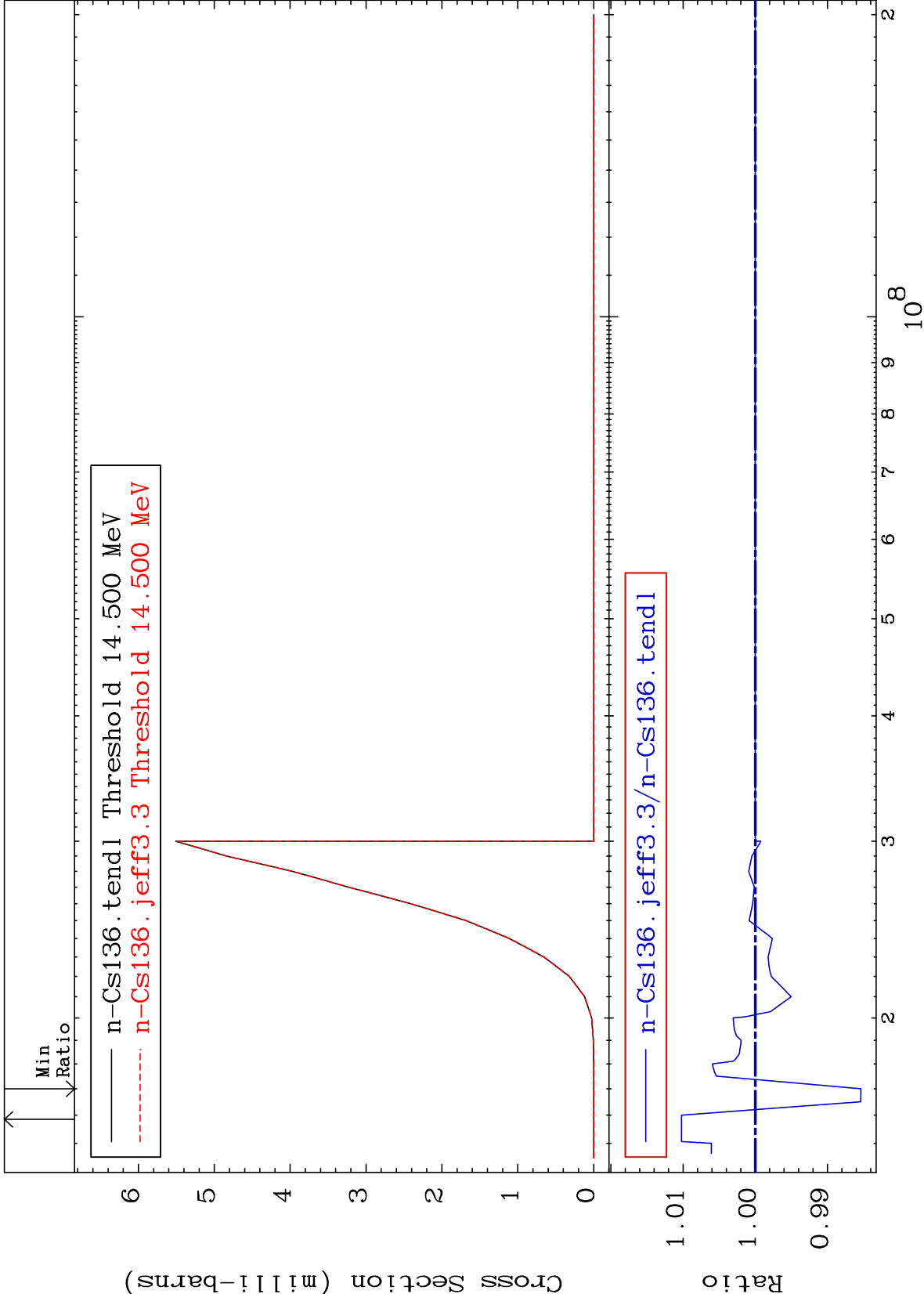
73

Incident Energy (eV)

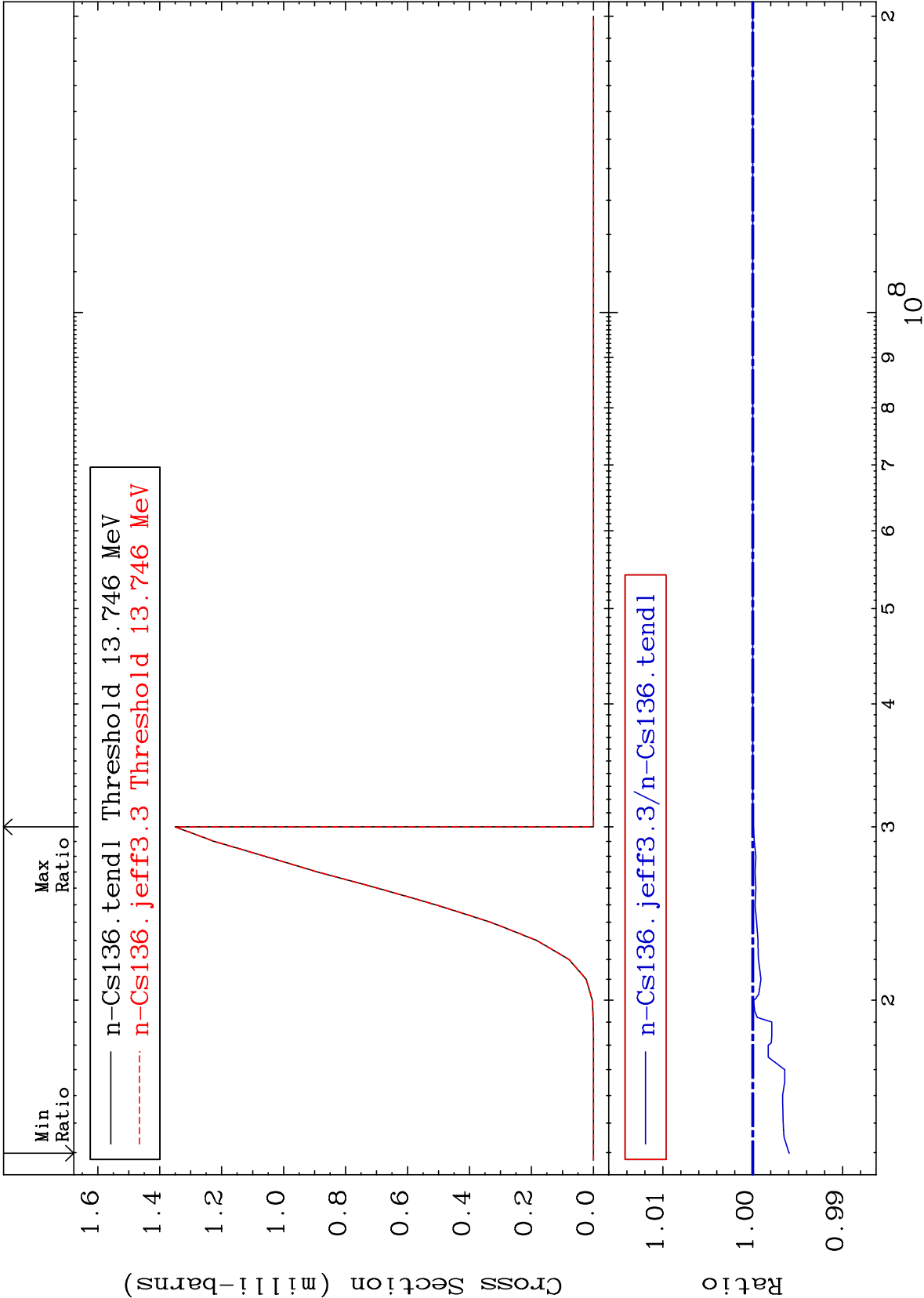
55-Cs-136



Radionuclide Production Cross Section -1.464 To 1.021 %

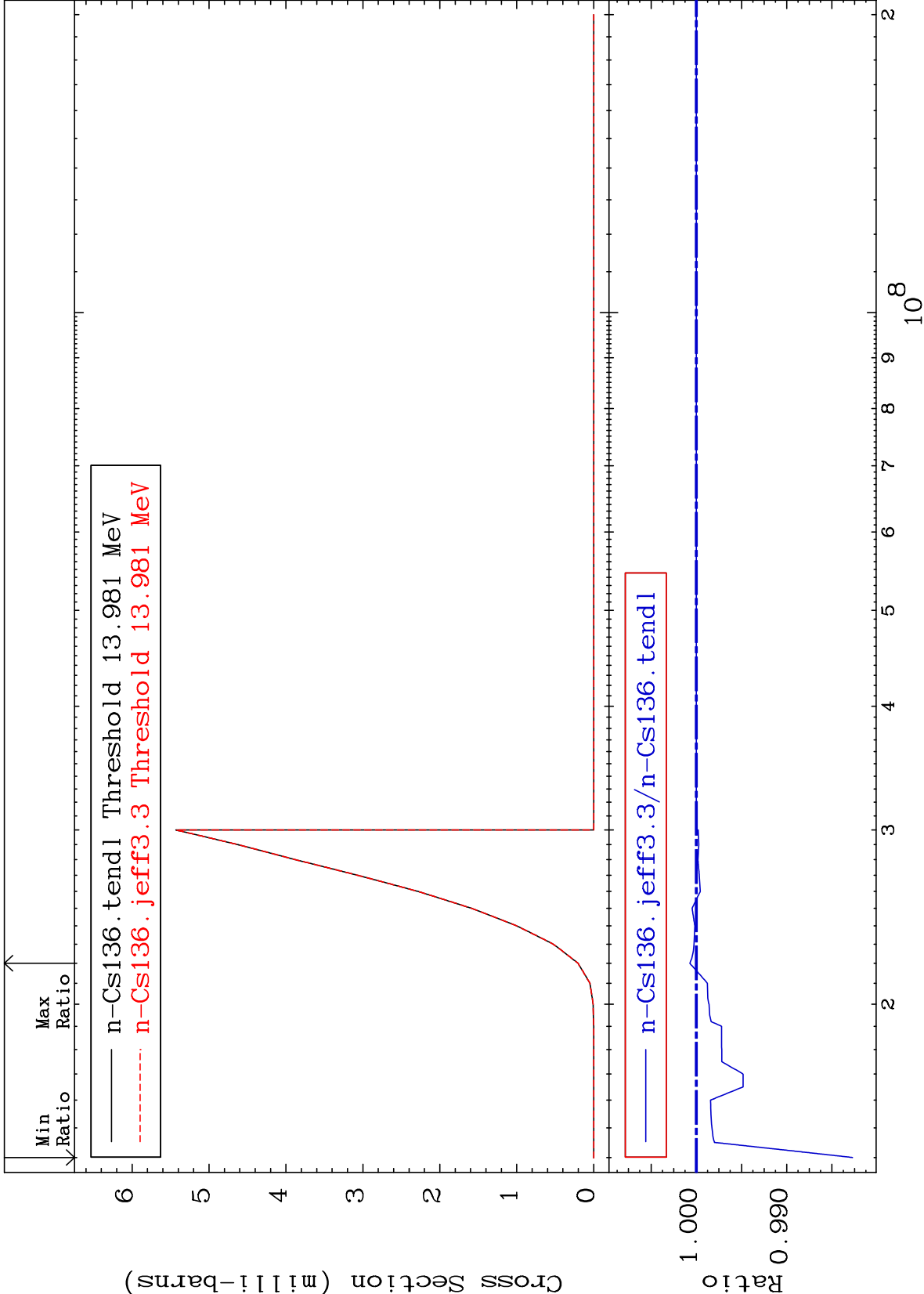


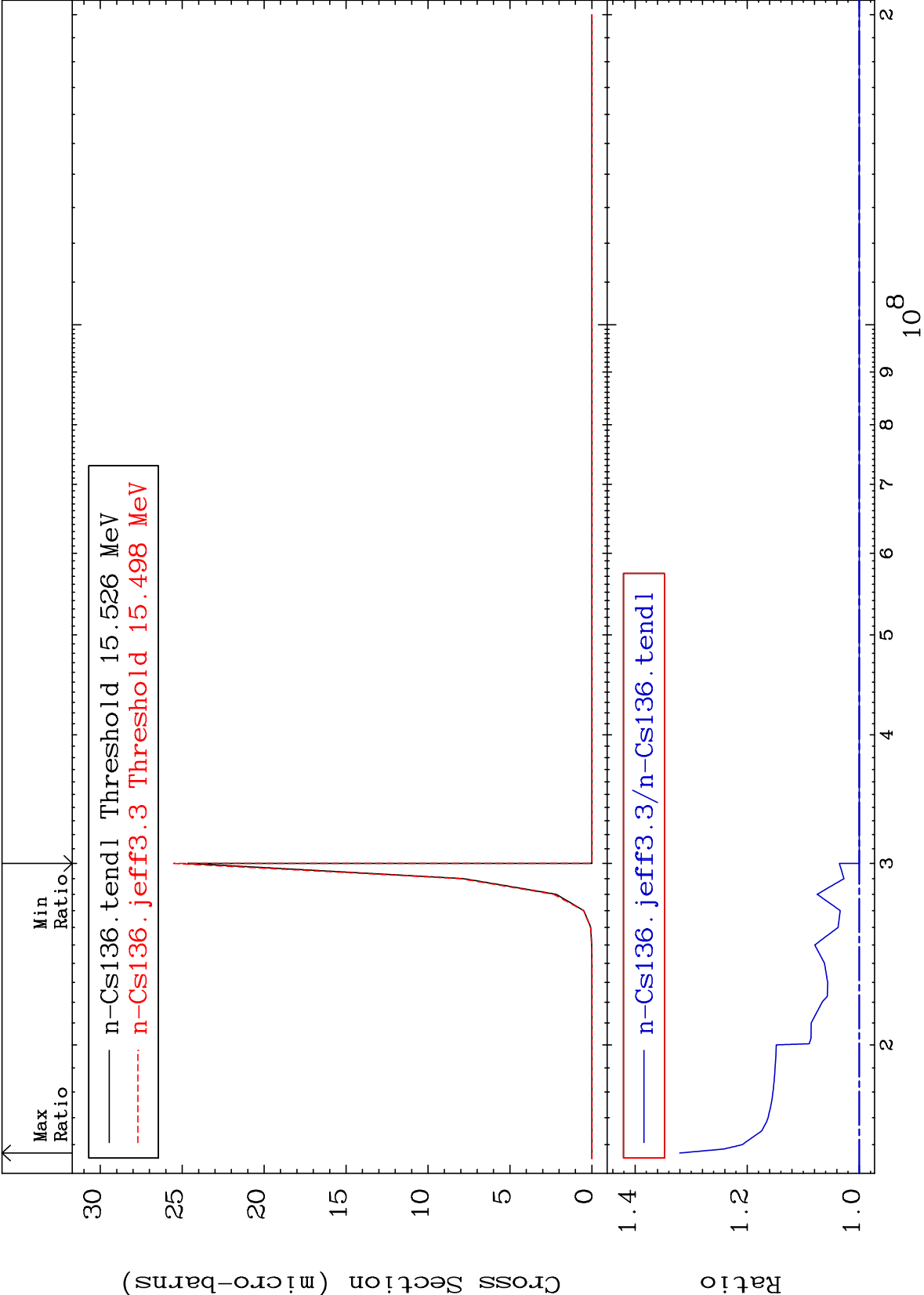
Radionuclide Production Cross Section -0.408 To 0.000 %



Radionuclide Production Cross Section

-1.729 To 0.072 %



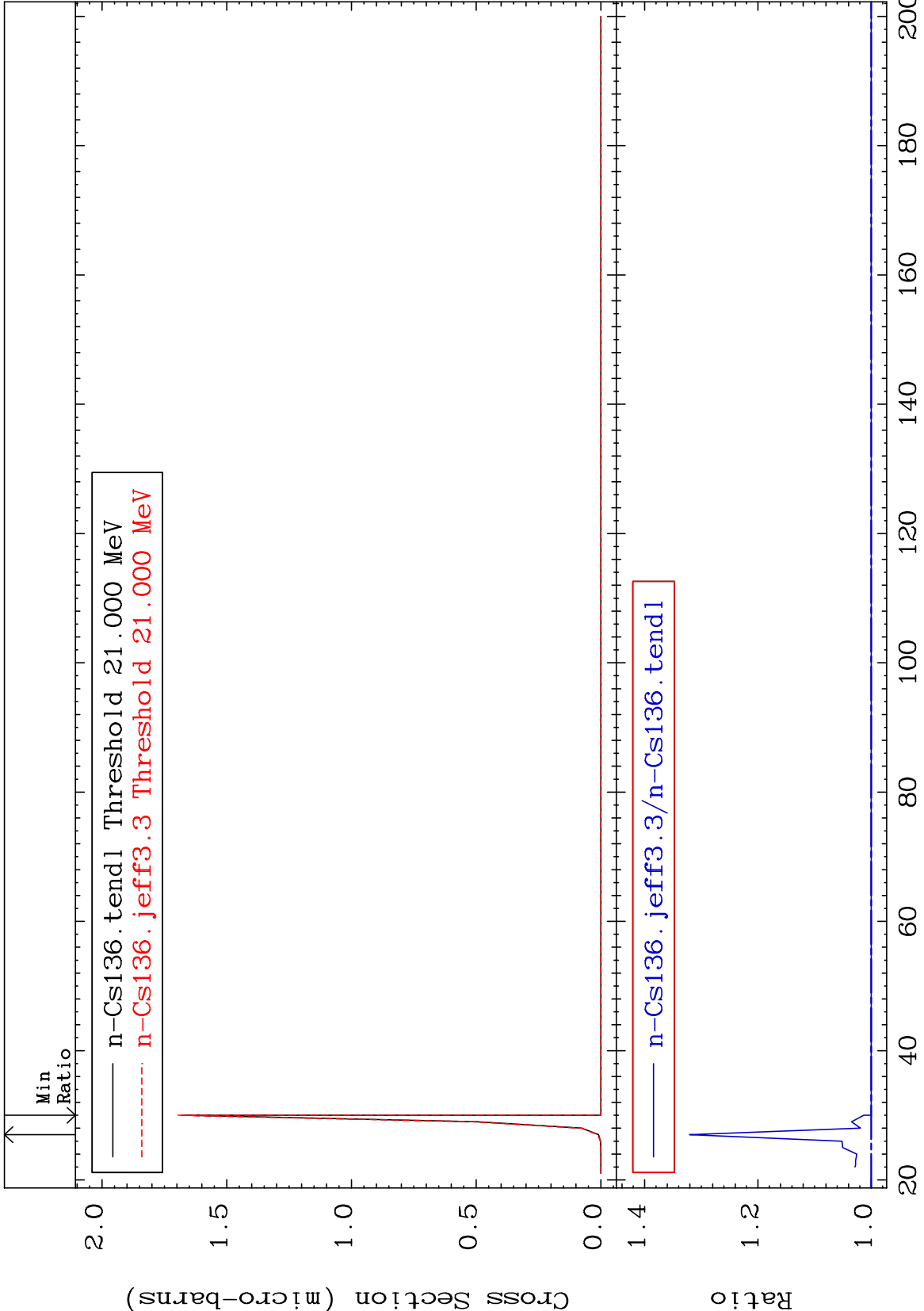


MAT 5534

(n,n') He-3:53-I -133m16

55-Cs-136

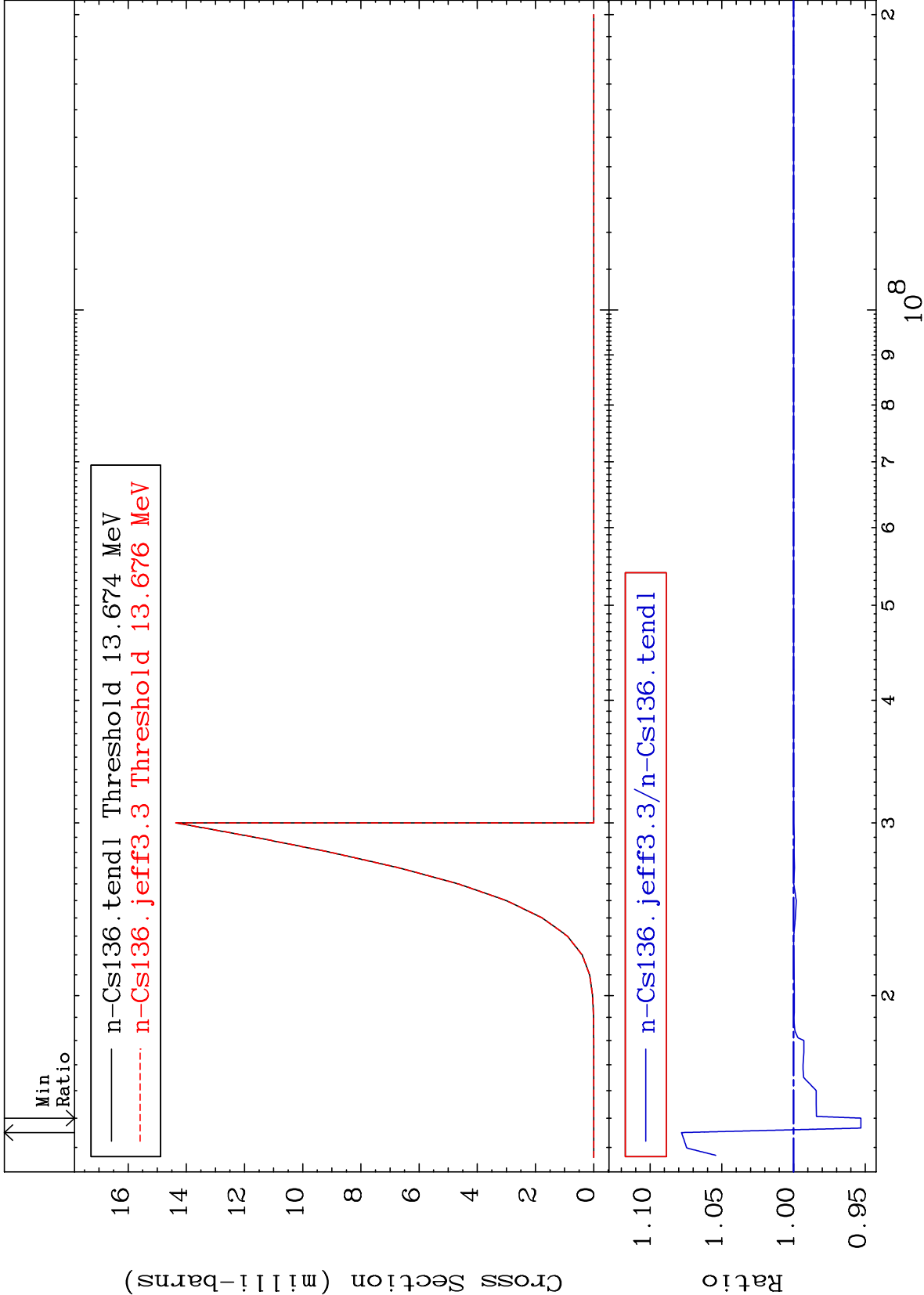
Radionuclide Production Cross Section 0.000 To 32.05 %

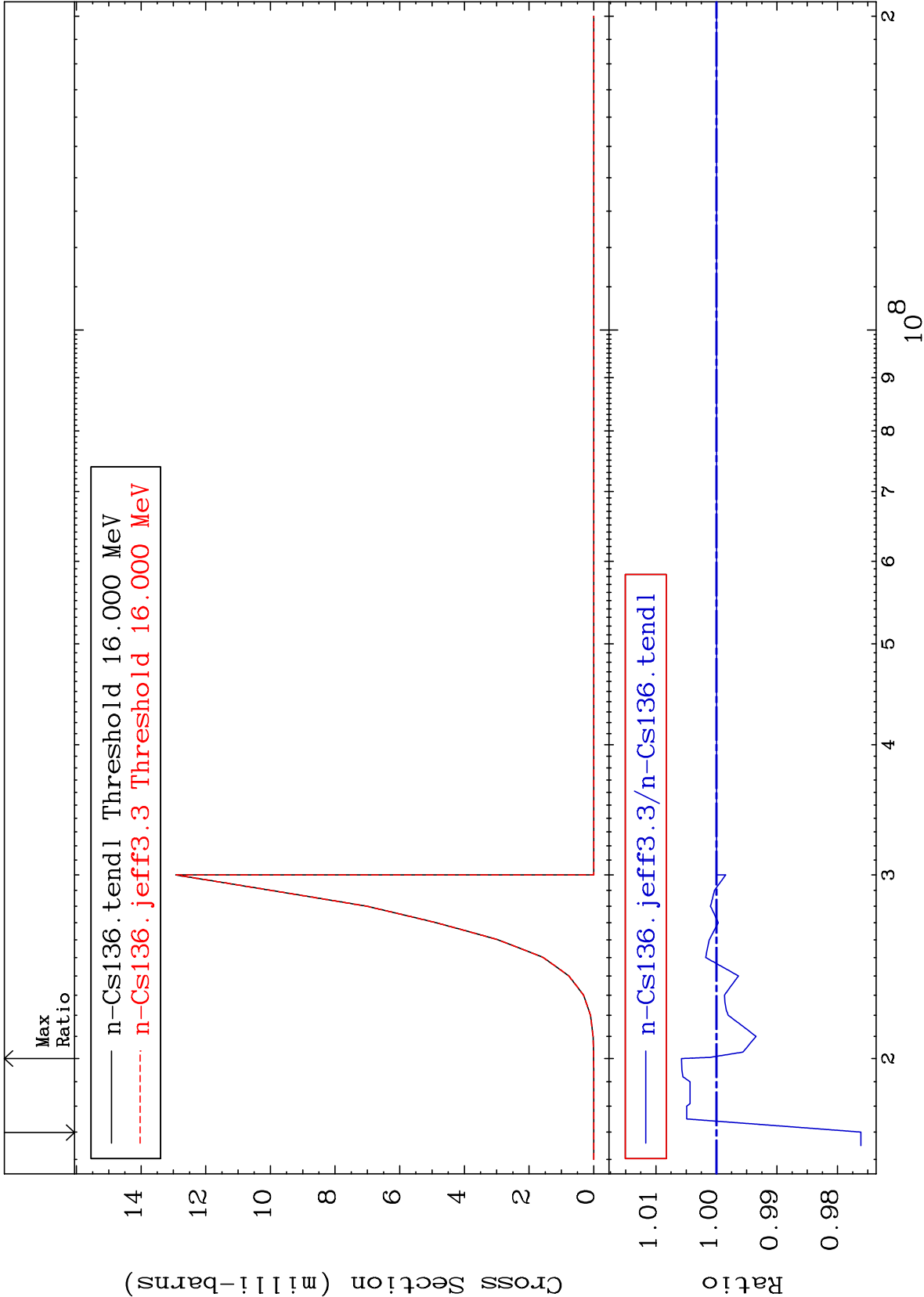


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Incident Energy (MeV)

55-Cs-136



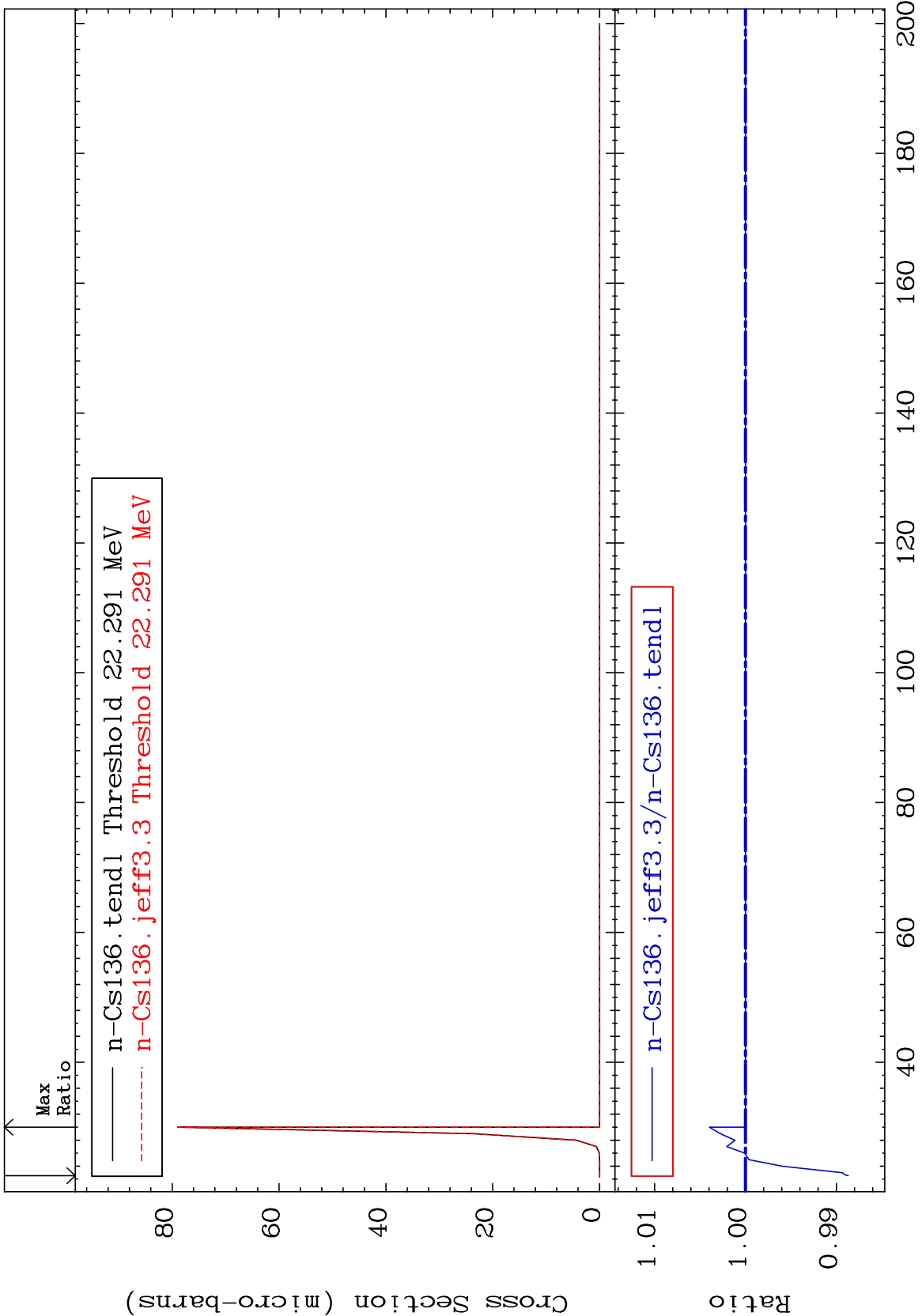


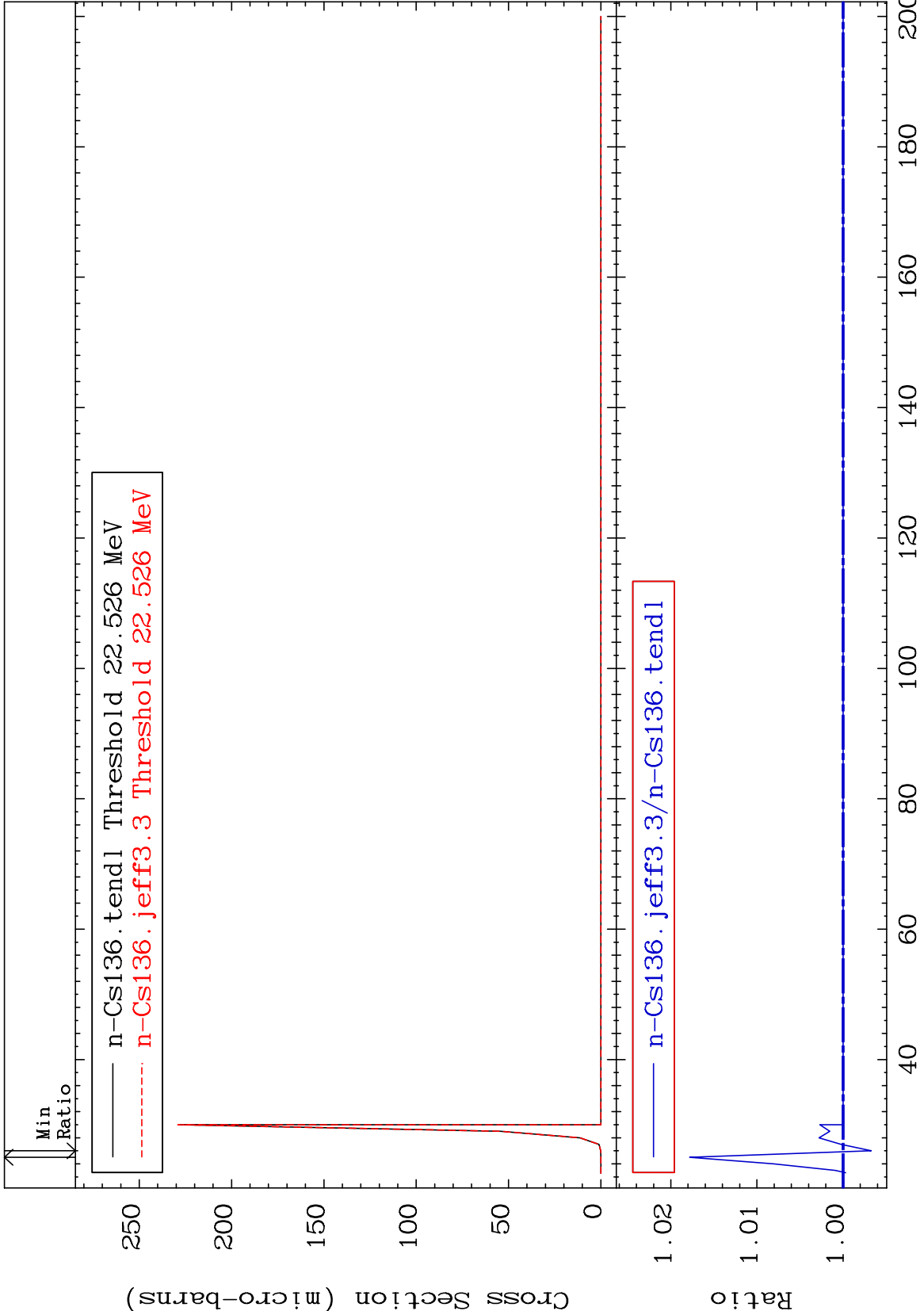
MAT 5534

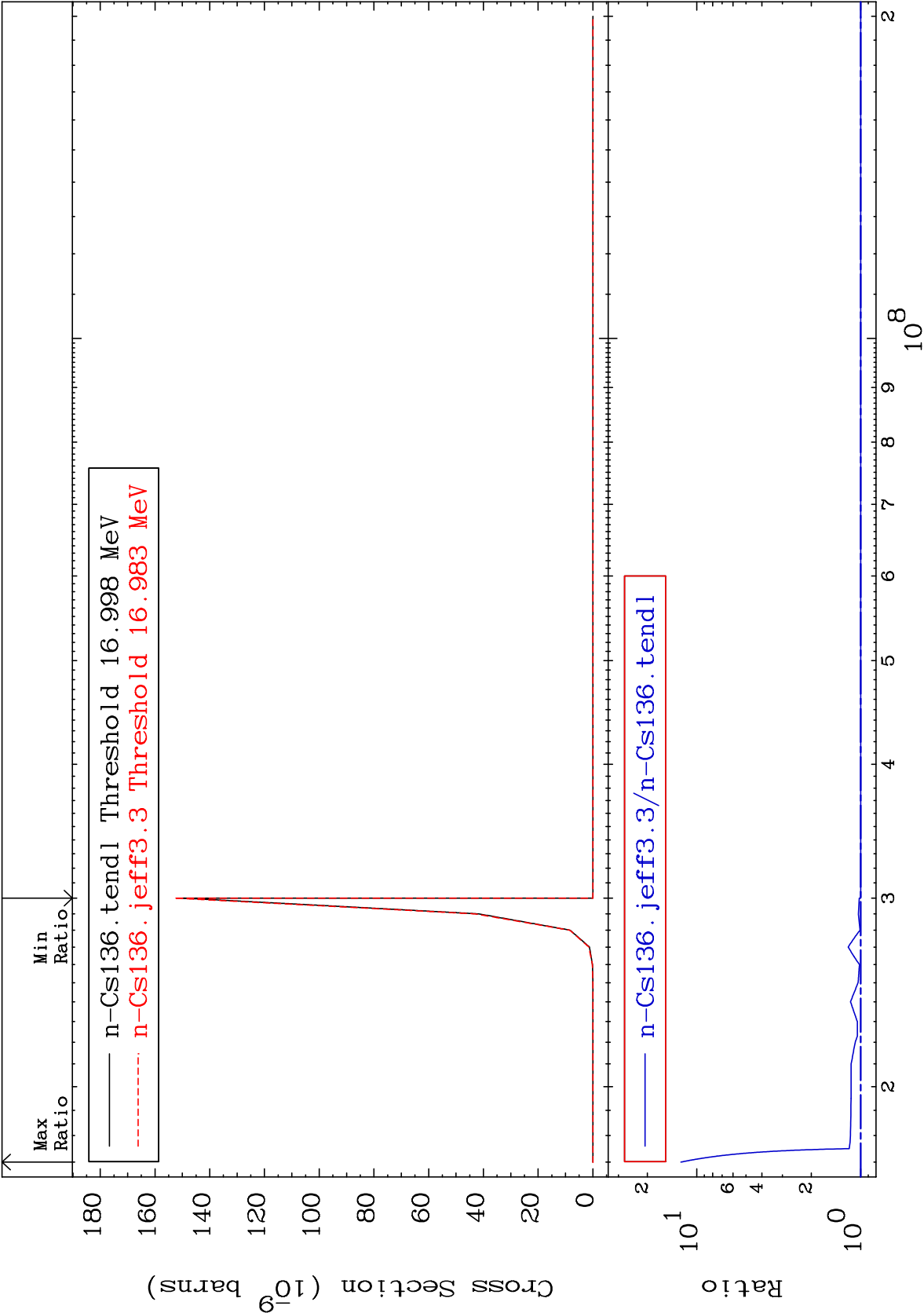
(n,3n) p:54-Xe-133g

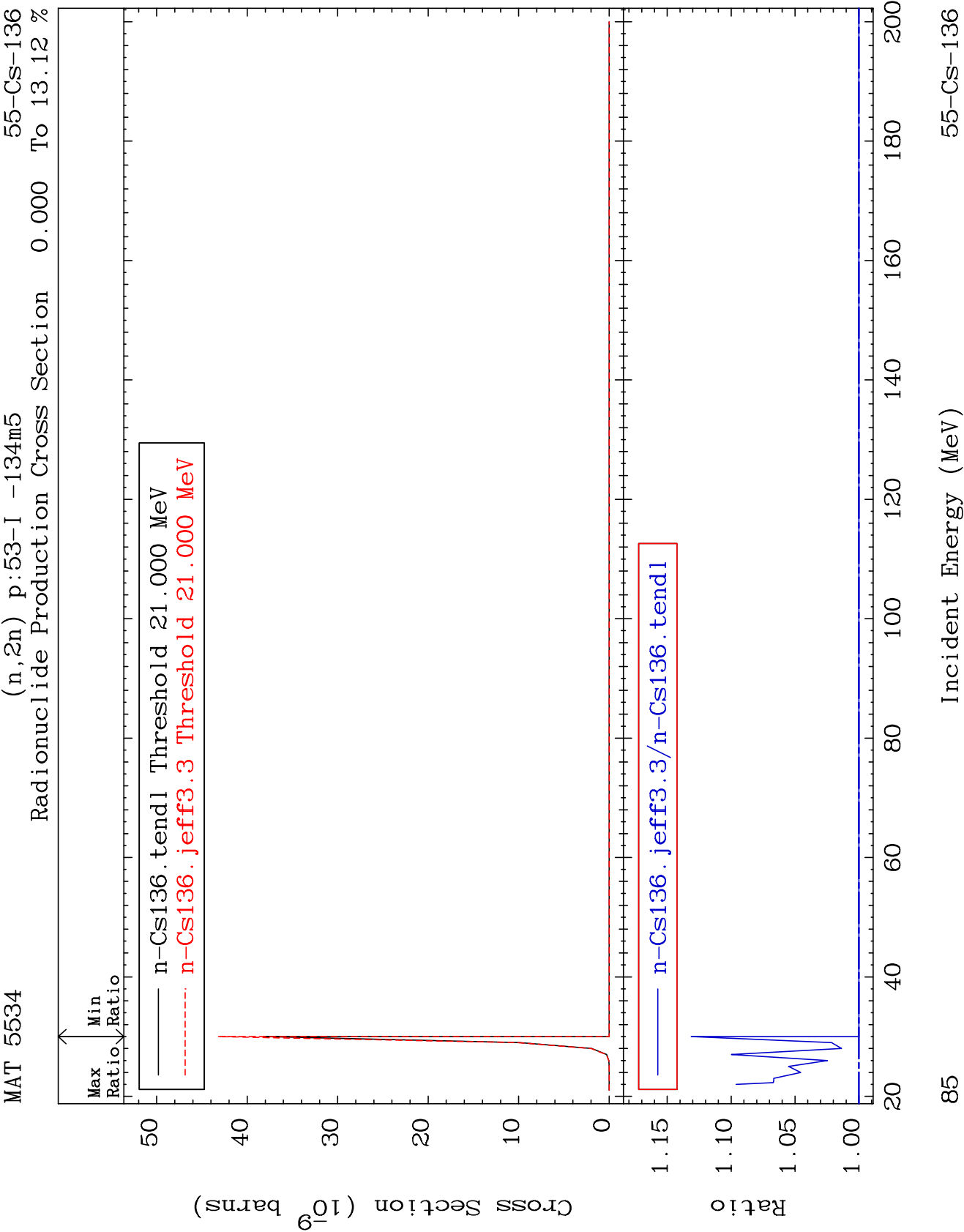
55-Cs-136

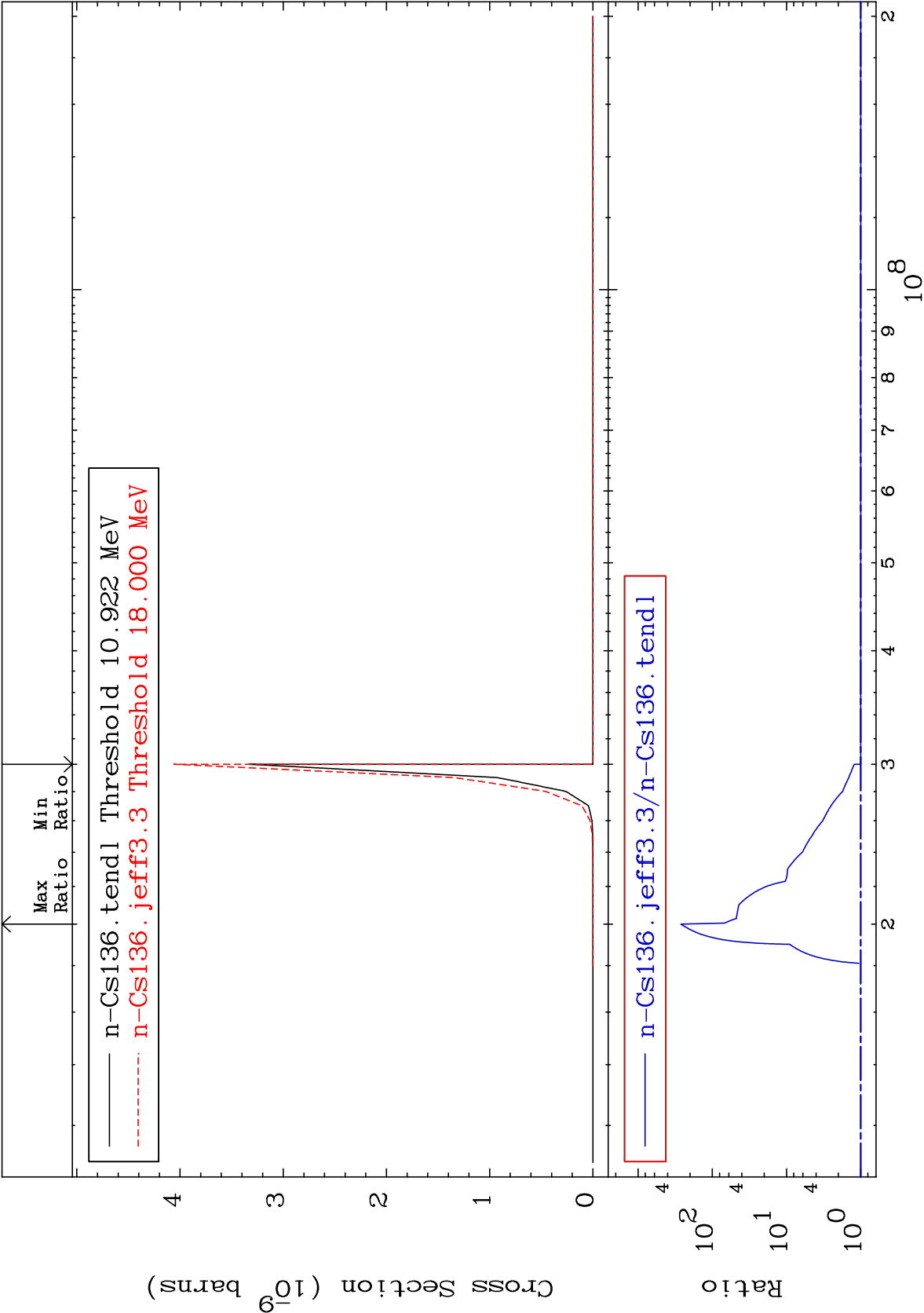
Radionuclide Production Cross Section -1.130 To 0.397 %

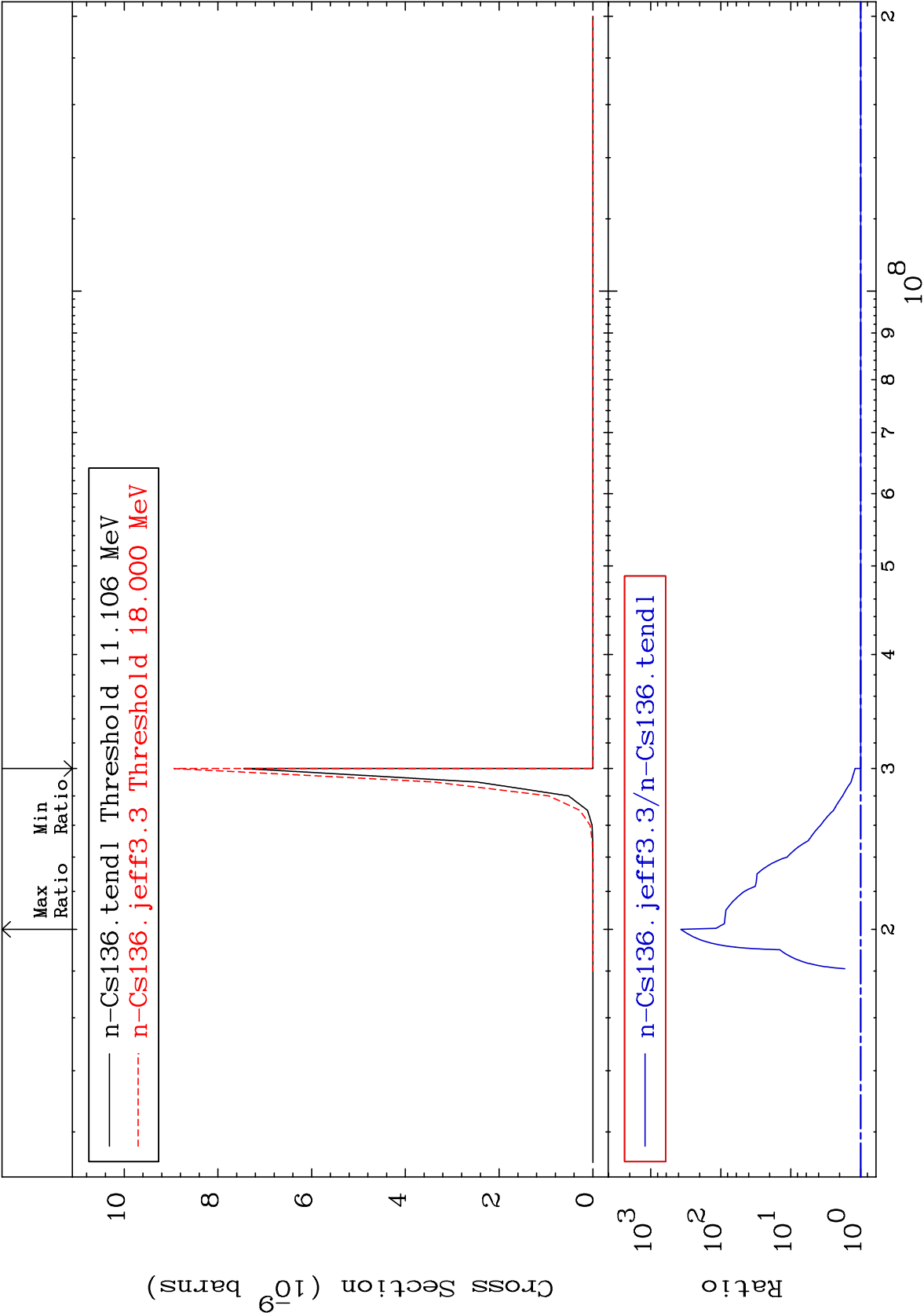


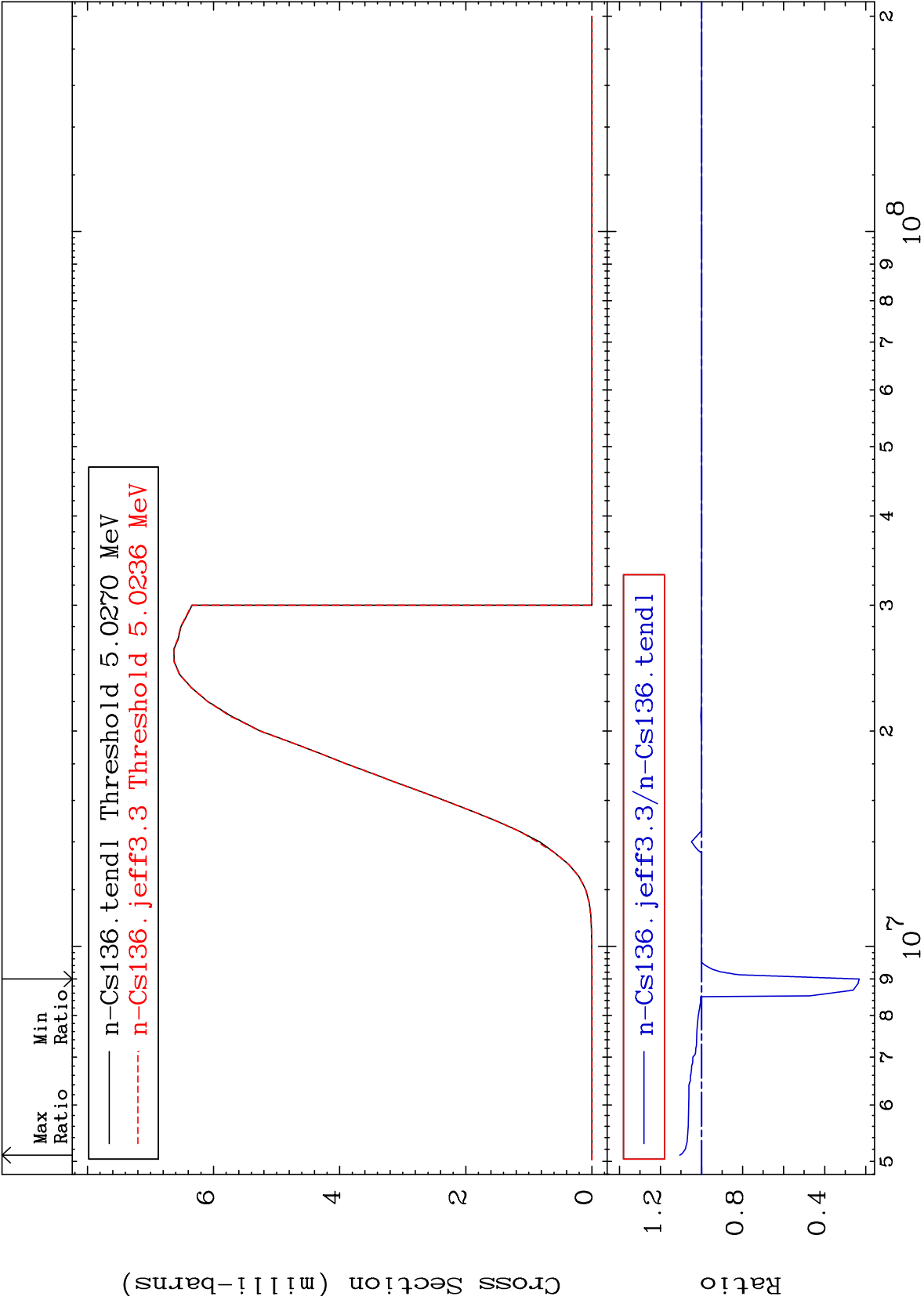












MAT 5534

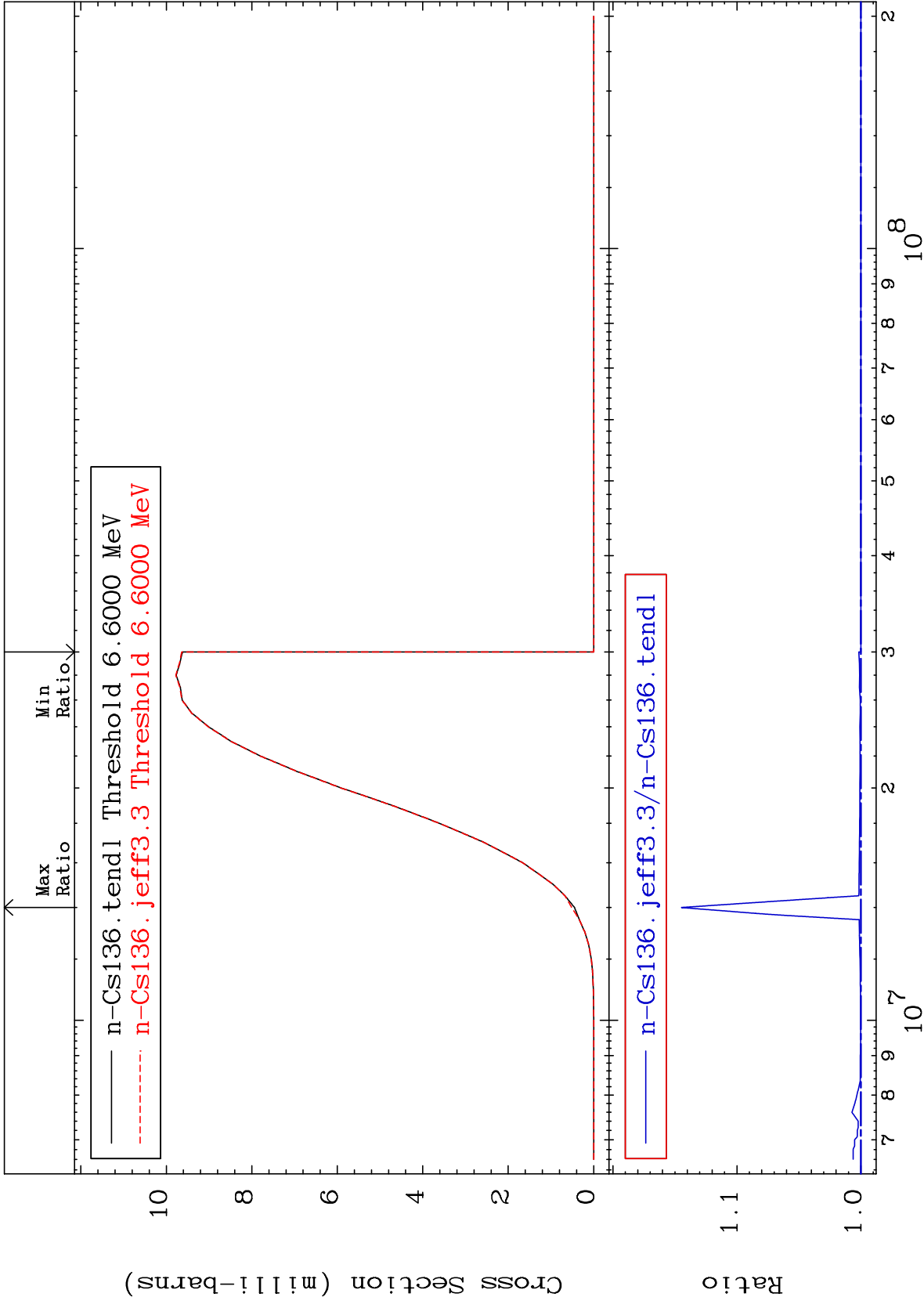
(n,d):54-Xe-135m2

55-Cs-136

Radionuclide Production Cross Section

0.000

To 14.47 %



MAT 5534

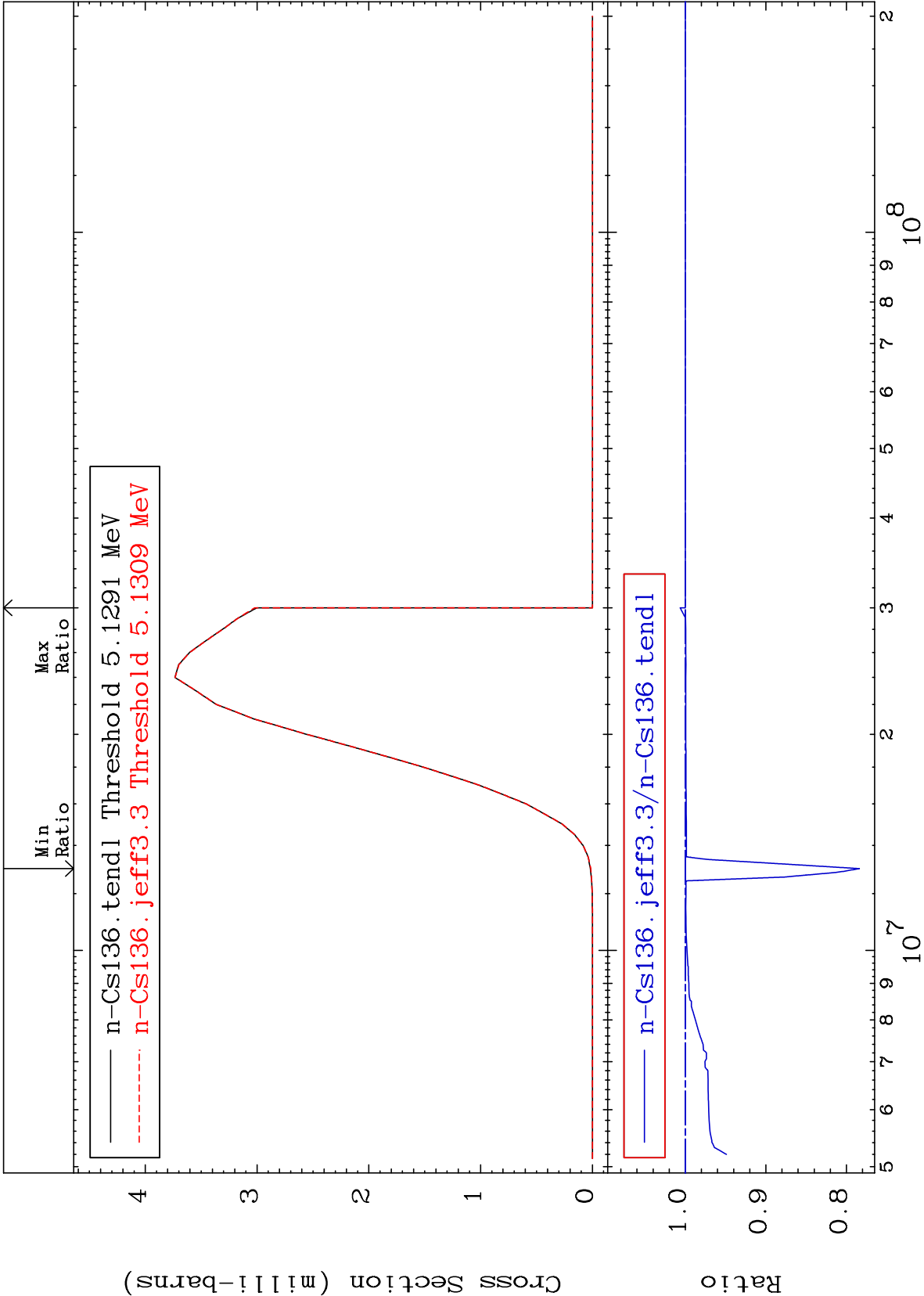
(n,t):54-Xe-134g

55-Cs-136

Radionuclide Production Cross Section

-21.61

To 0.642 %



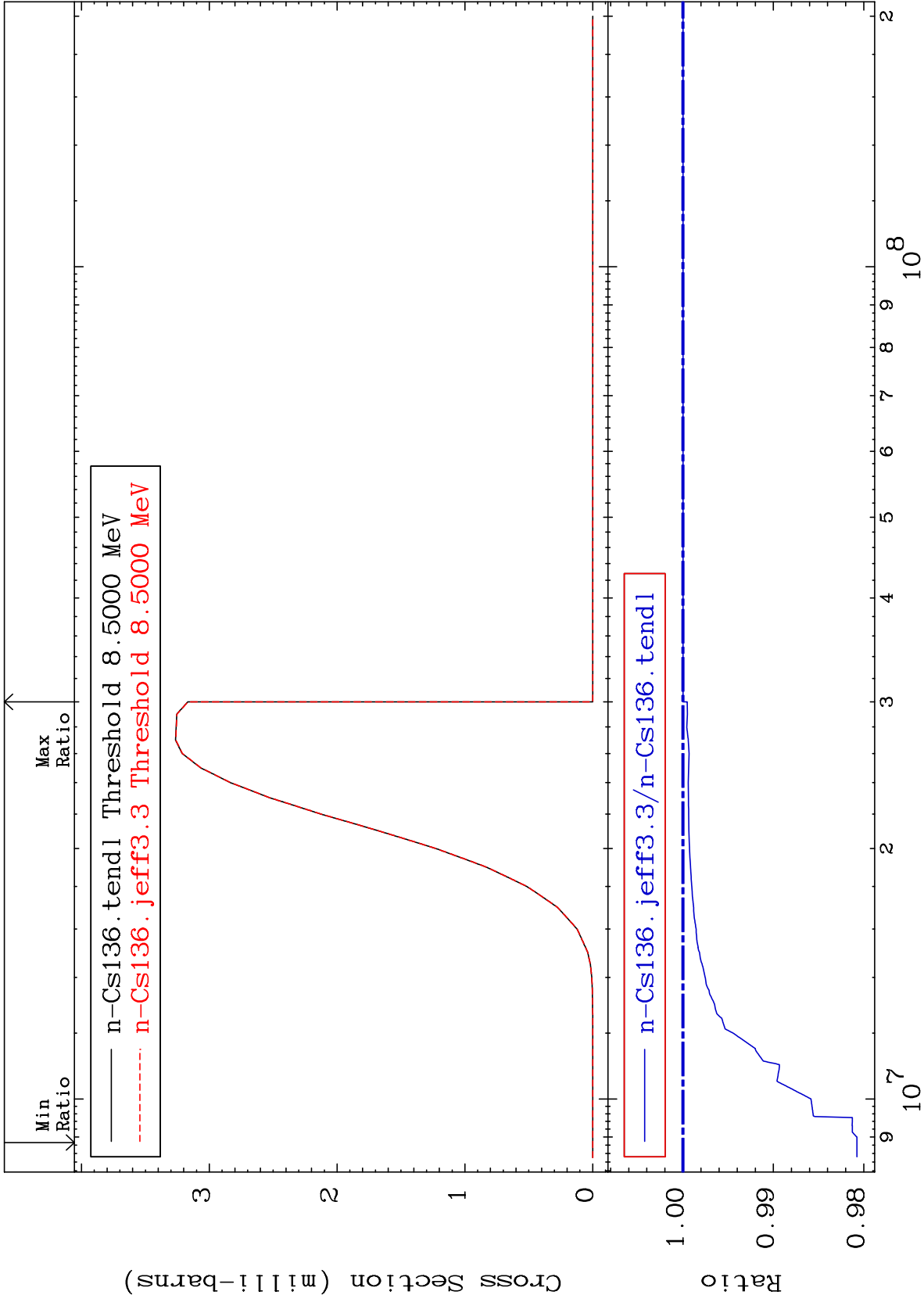
MAT 5534

(n,t):54-Xe-134m7

55-Cs-136

Radionuclide Production Cross Section

-1.923 To 0.000 %



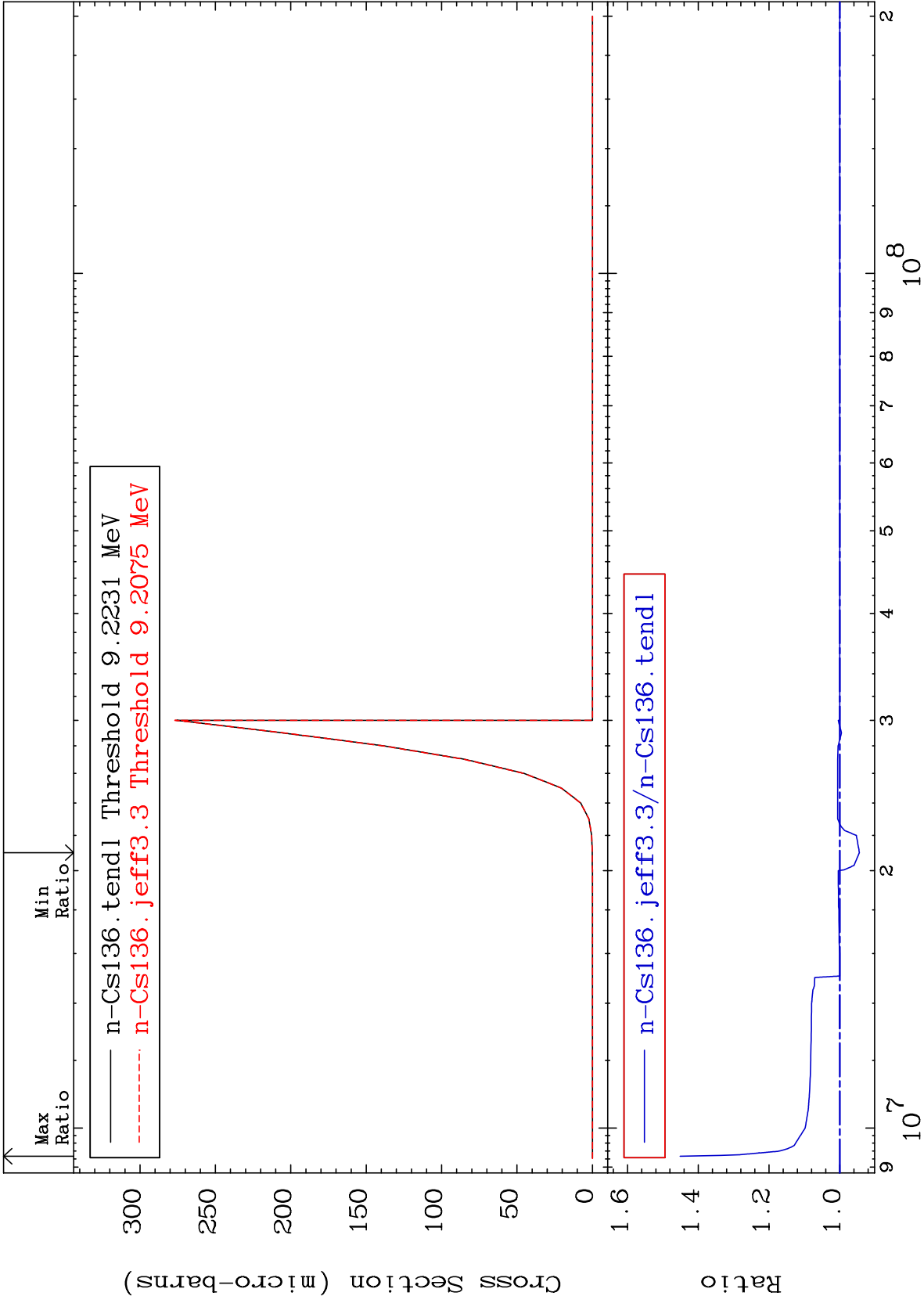
MAT 5534

(n,He-3):53-I -134g

55-Cs-136

Radionuclide Production Cross Section

-5.525 To 45.12 %



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Incident Energy (eV)

55-Cs-136

MAT 5534

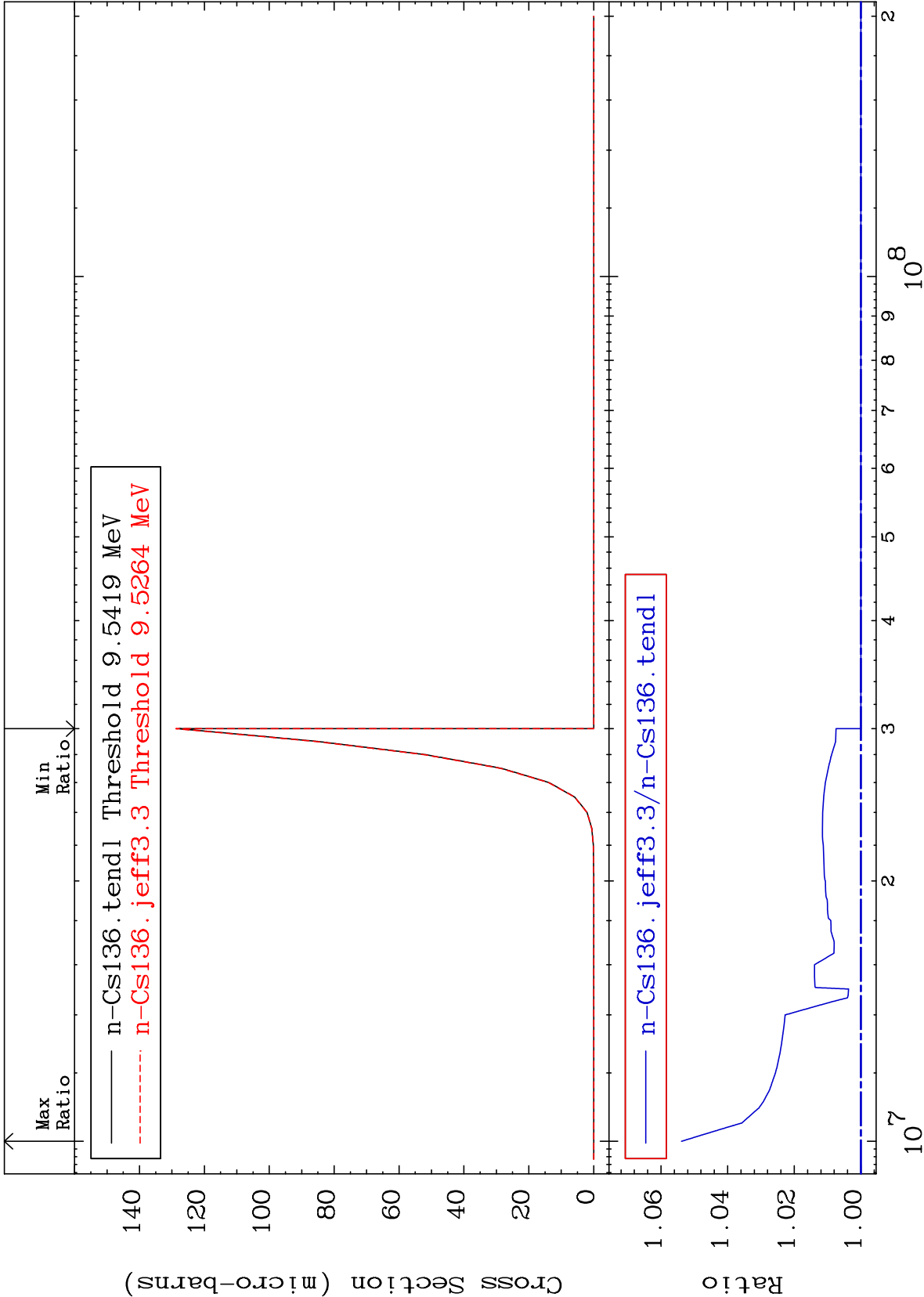
(n,He-3):53-I -134m5

55-Cs-136

Radionuclide Production Cross Section

0.000

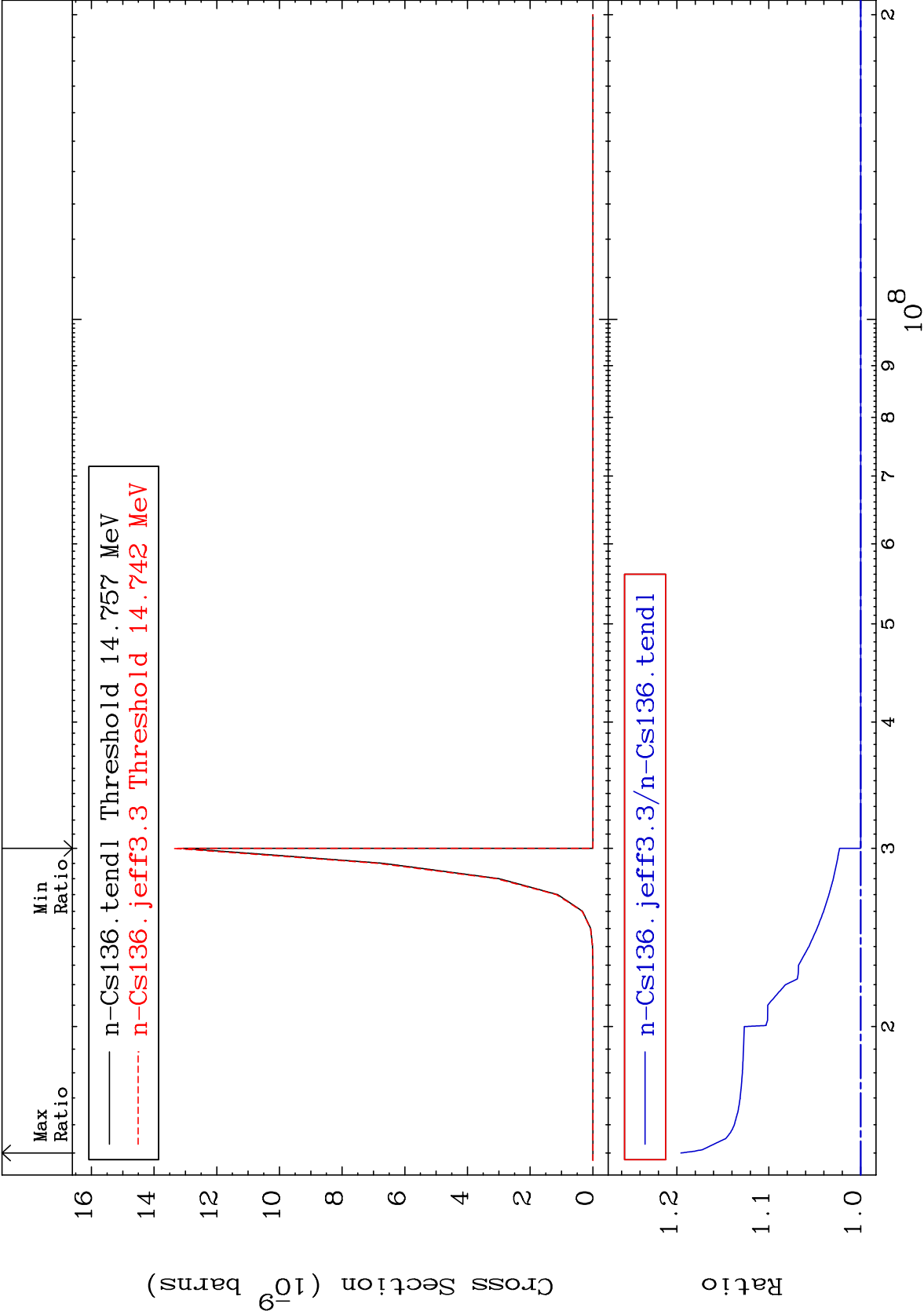
To 5.384 %

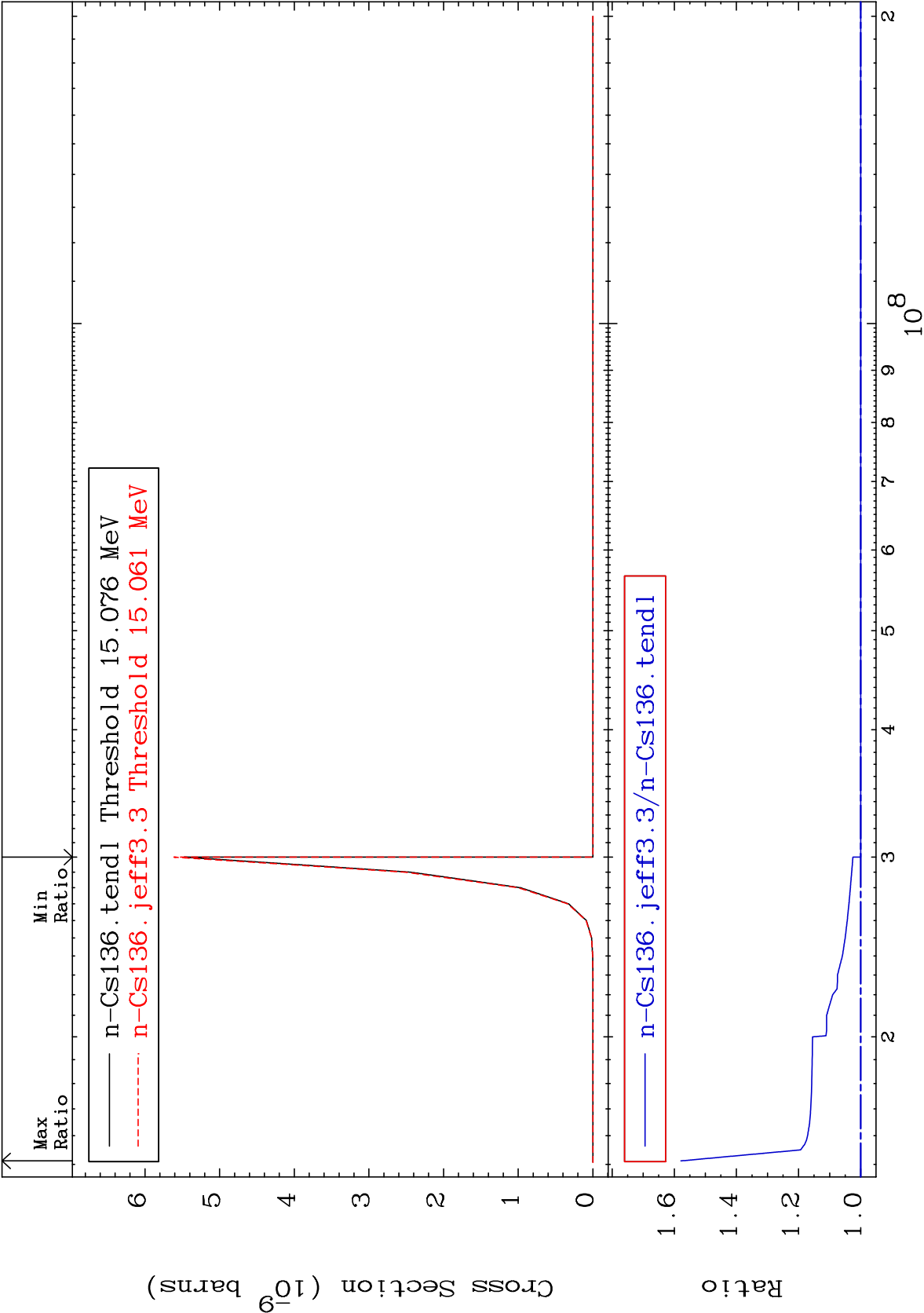


Incident Energy (eV)

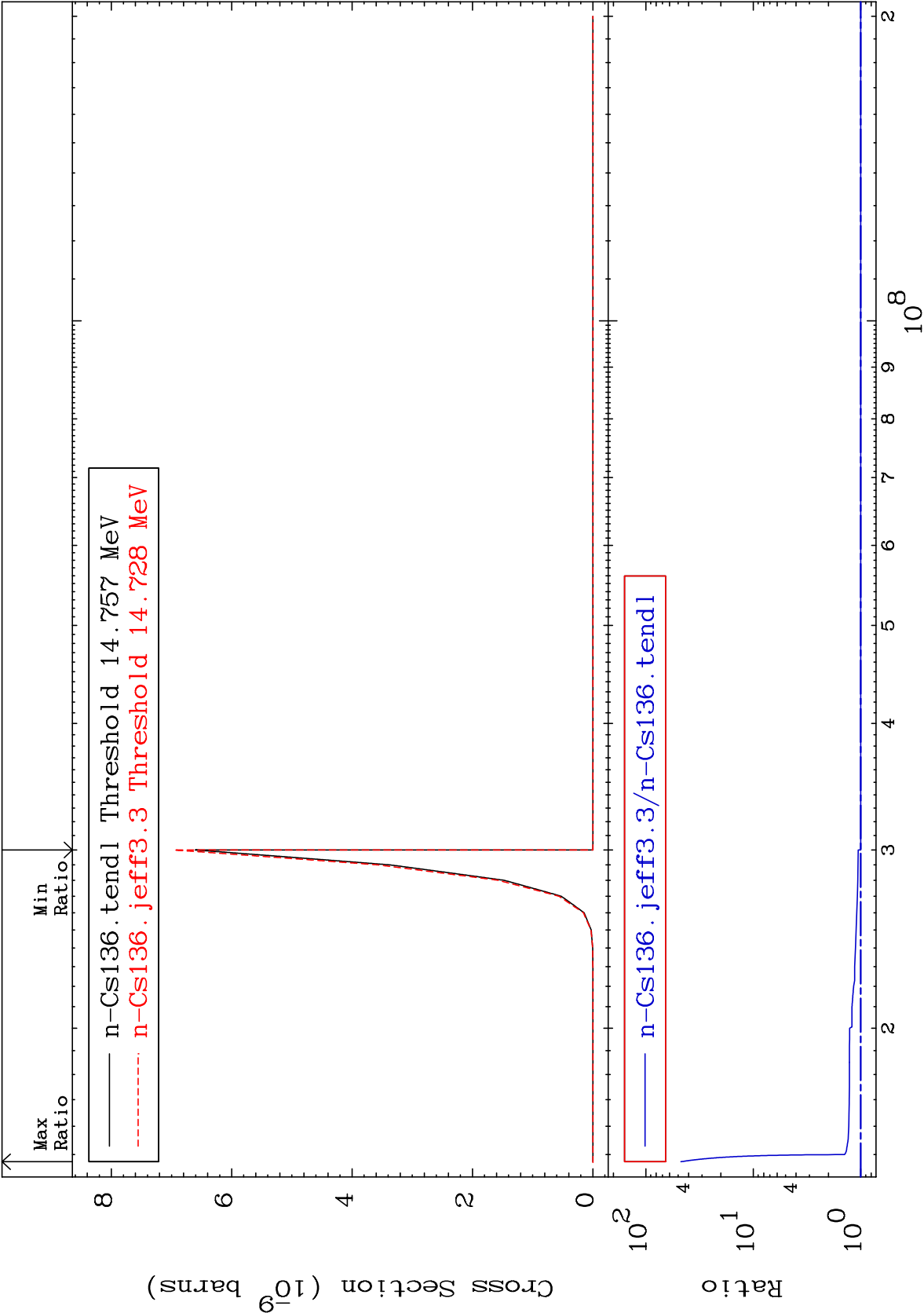
55-Cs-136

Radionuclide Production Cross Section 0.000 To 19.56 %





Radionuclide Production Cross Section 0.000 To 4613. %



MAT 5534

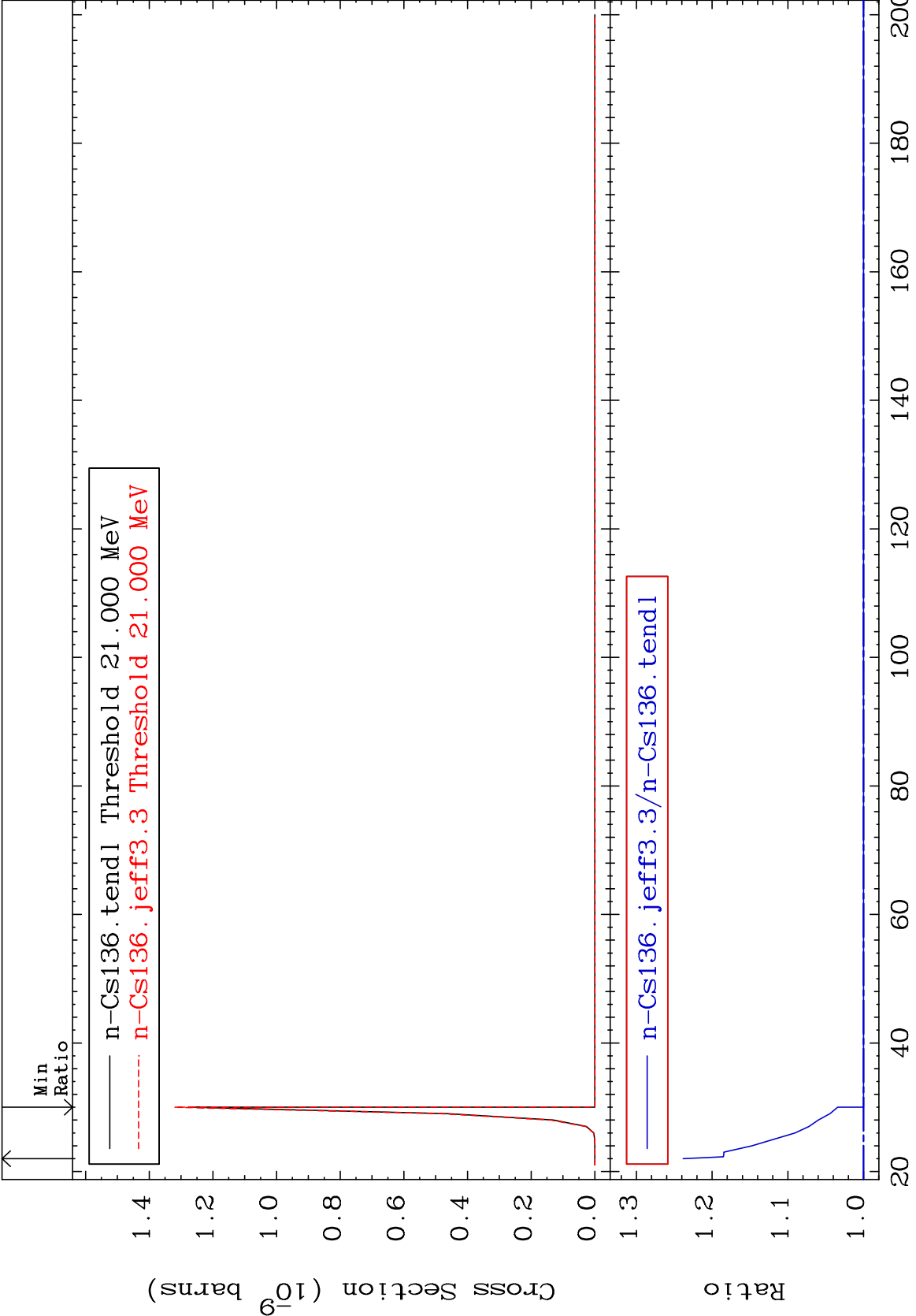
(n,p) t:53-I -133m16

55-Cs-136

Radionuclide Production Cross Section

0.000

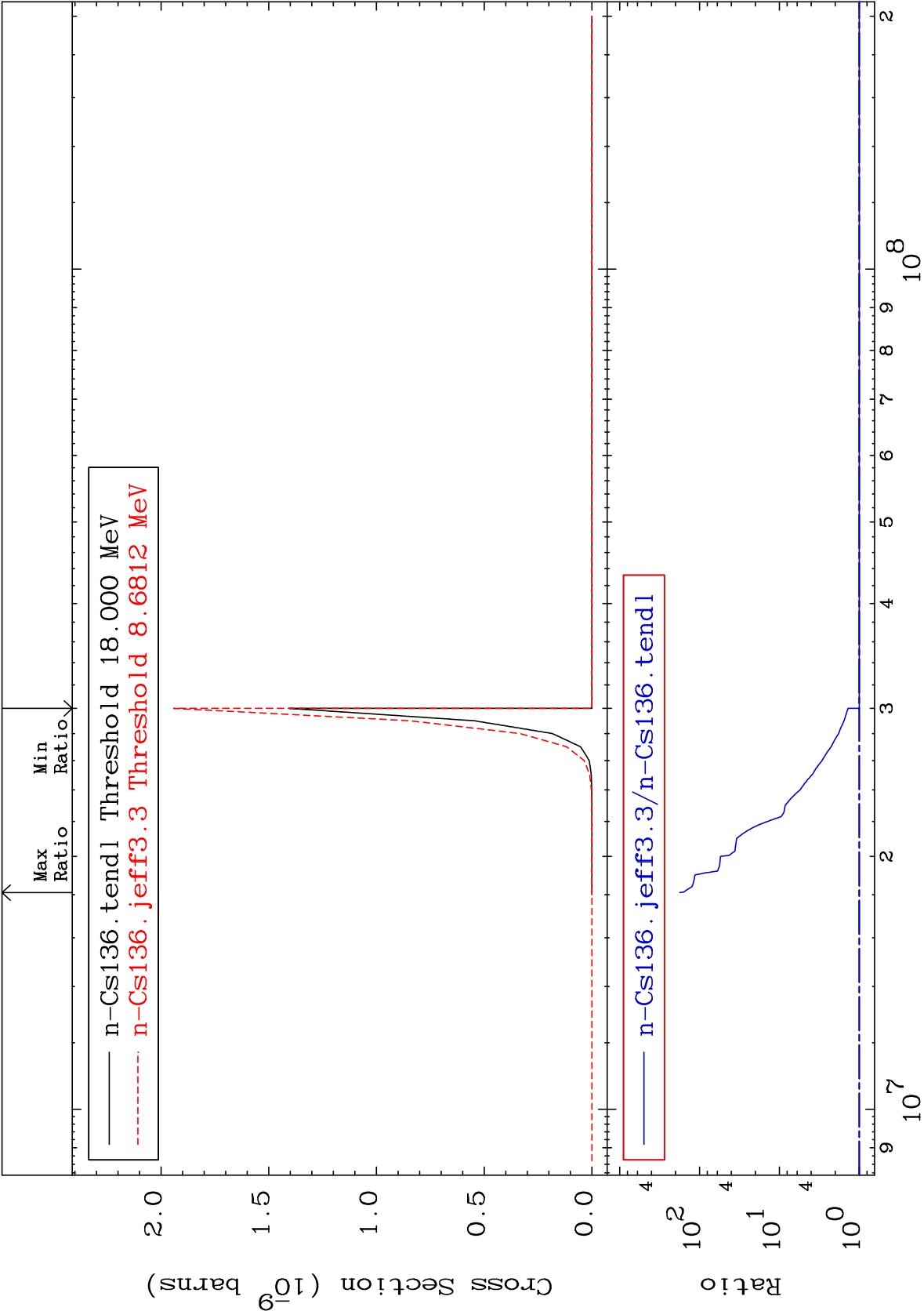
To 23.84 %



97

Incident Energy (MeV)

55-Cs-136



(n, d) α :52-Te-131m1	55-Cs-136
Radionuclide Production Cross Section	0.000 To 9999. %

