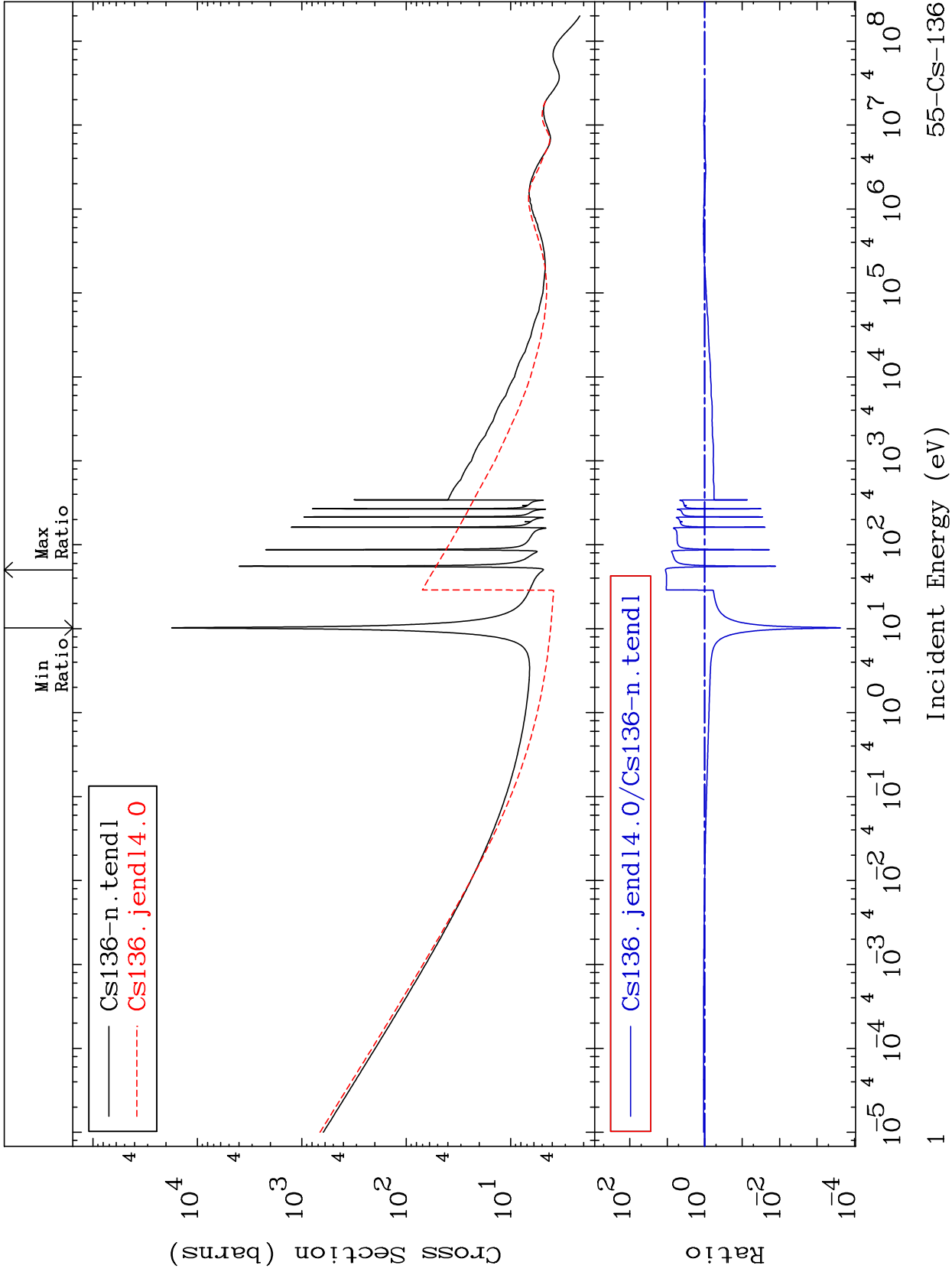


MAT 5534

Total Cross Section
55-Cs-136
-99.98 To 1014. %

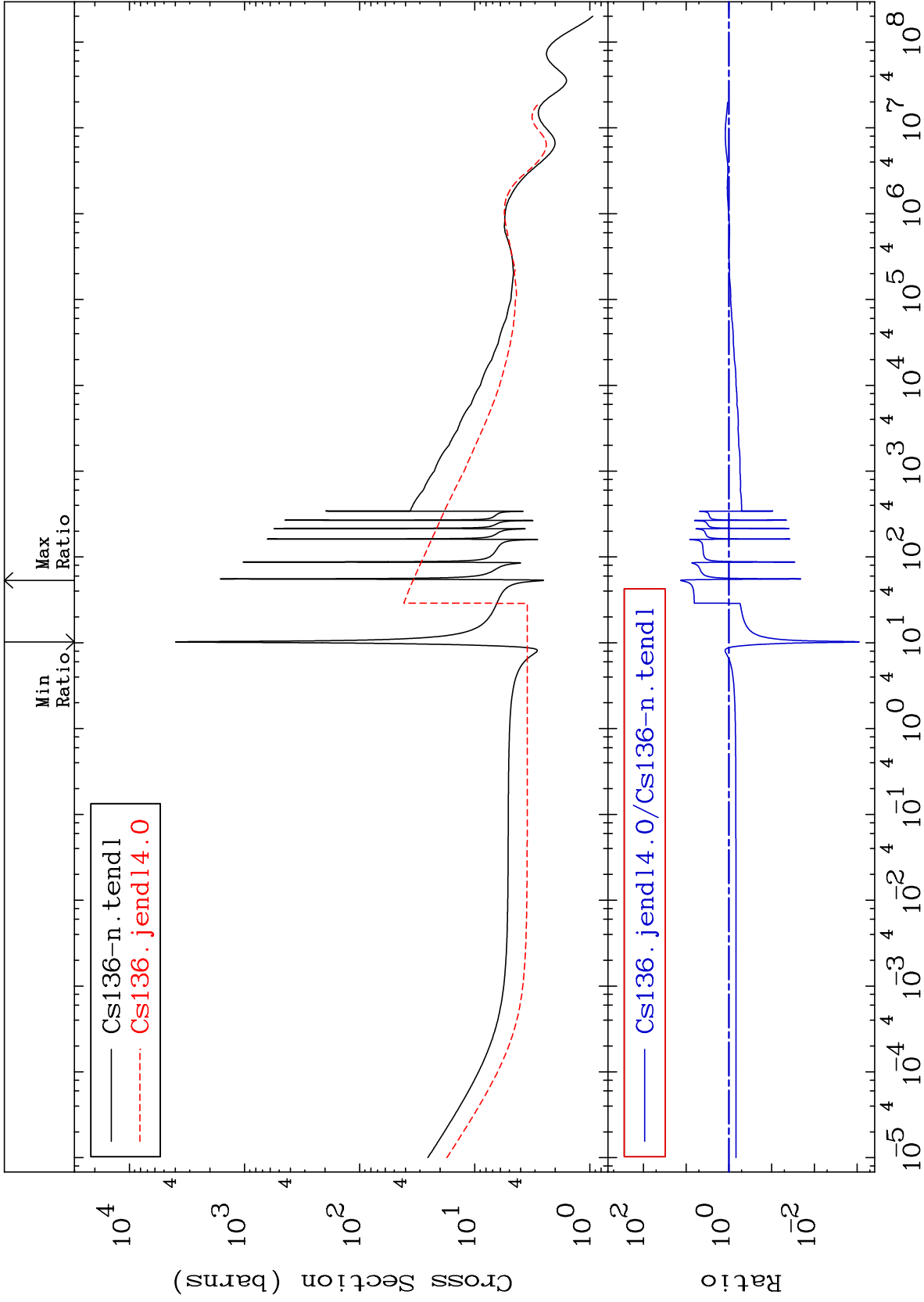


55-Cs-136

MAT 5534

Elastic
Cross Section

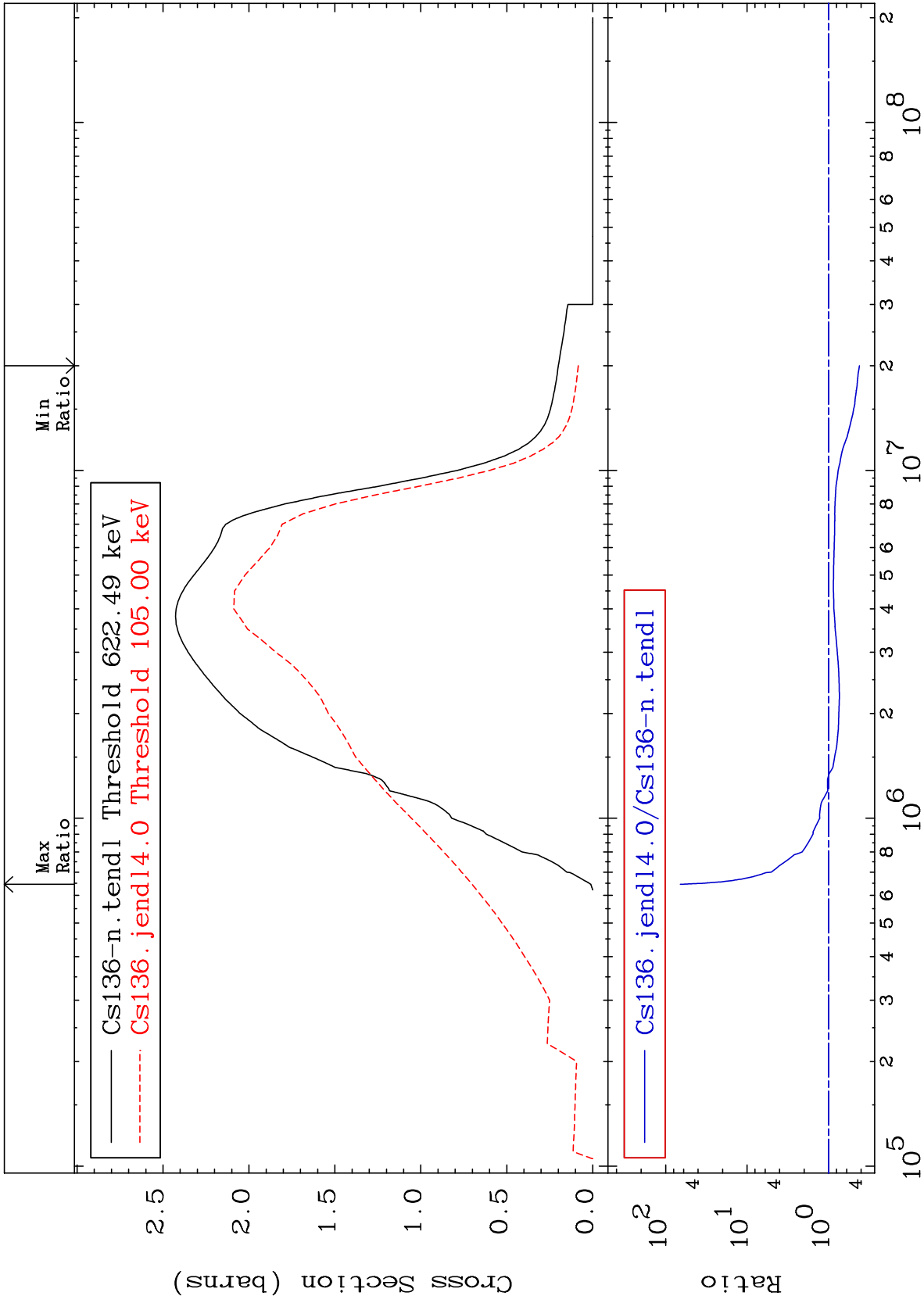
55-Cs-136
-99.91 To 1262. %



MAT 5534

Inelastic
Cross Section

55-Cs-136
-58.14 To 6500. %



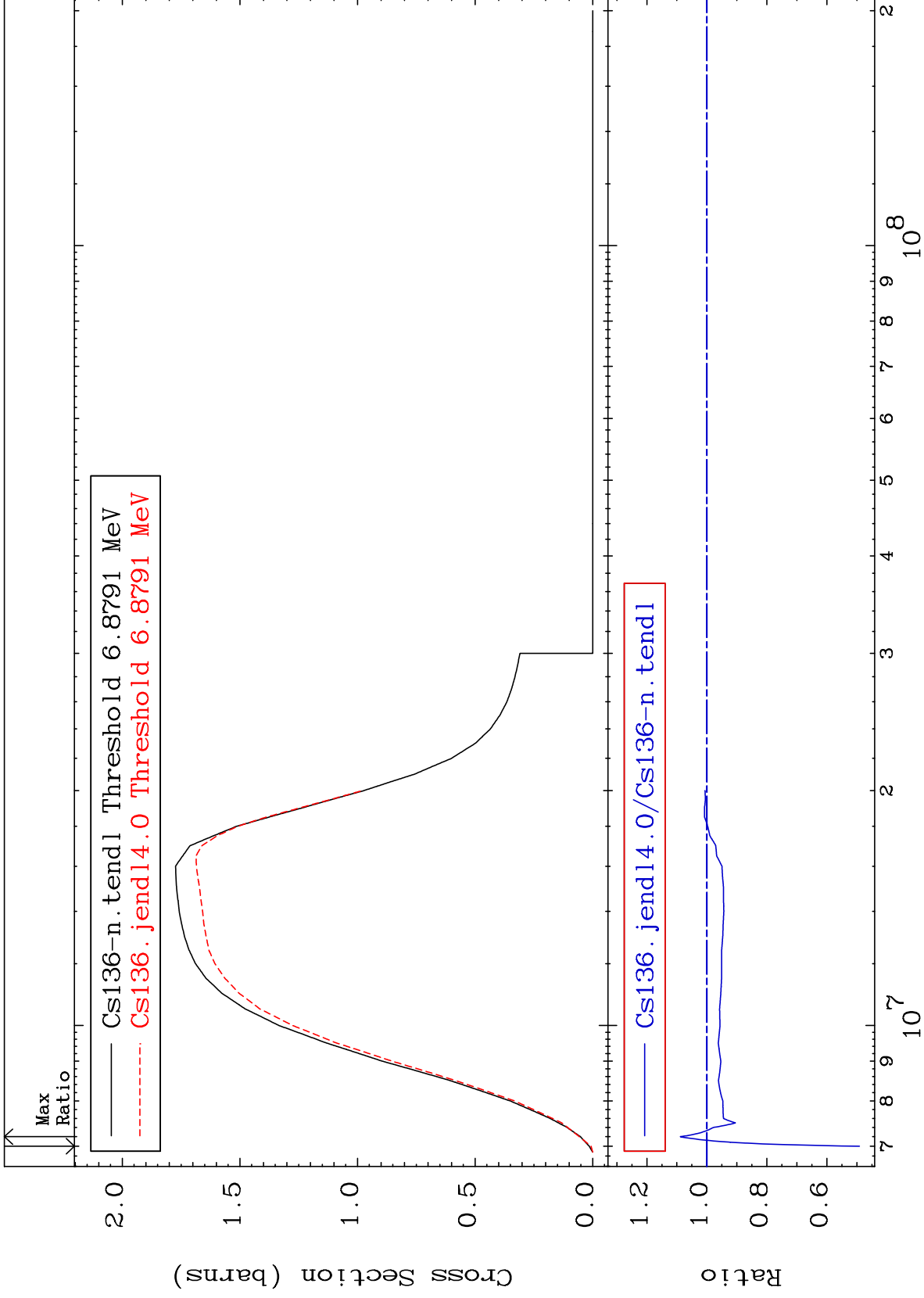
55-Cs-136

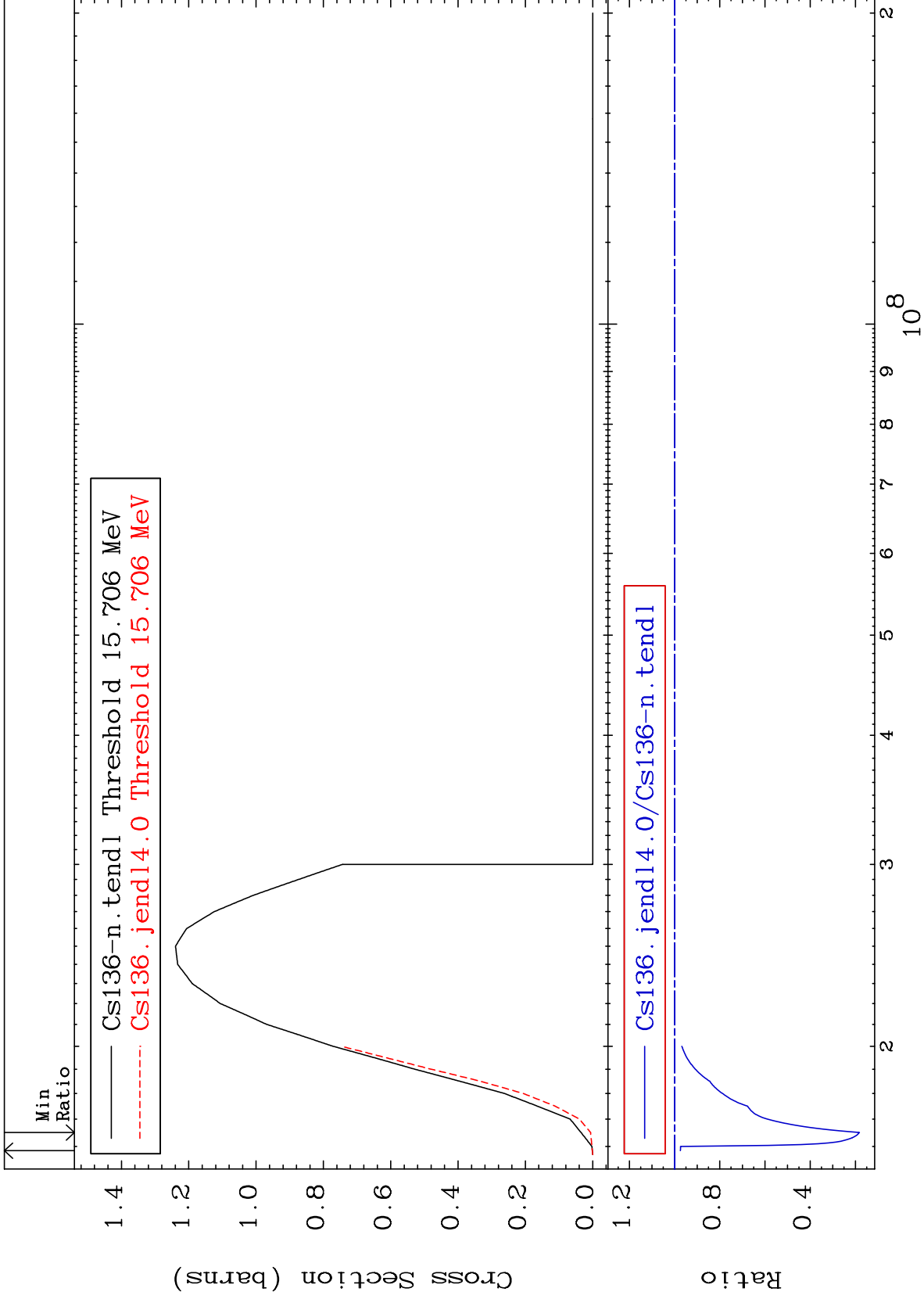
55-Cs-136

MAT 5534

(n,2n)
Cross Section

55-Cs-136
-50.83 To 8.838 %

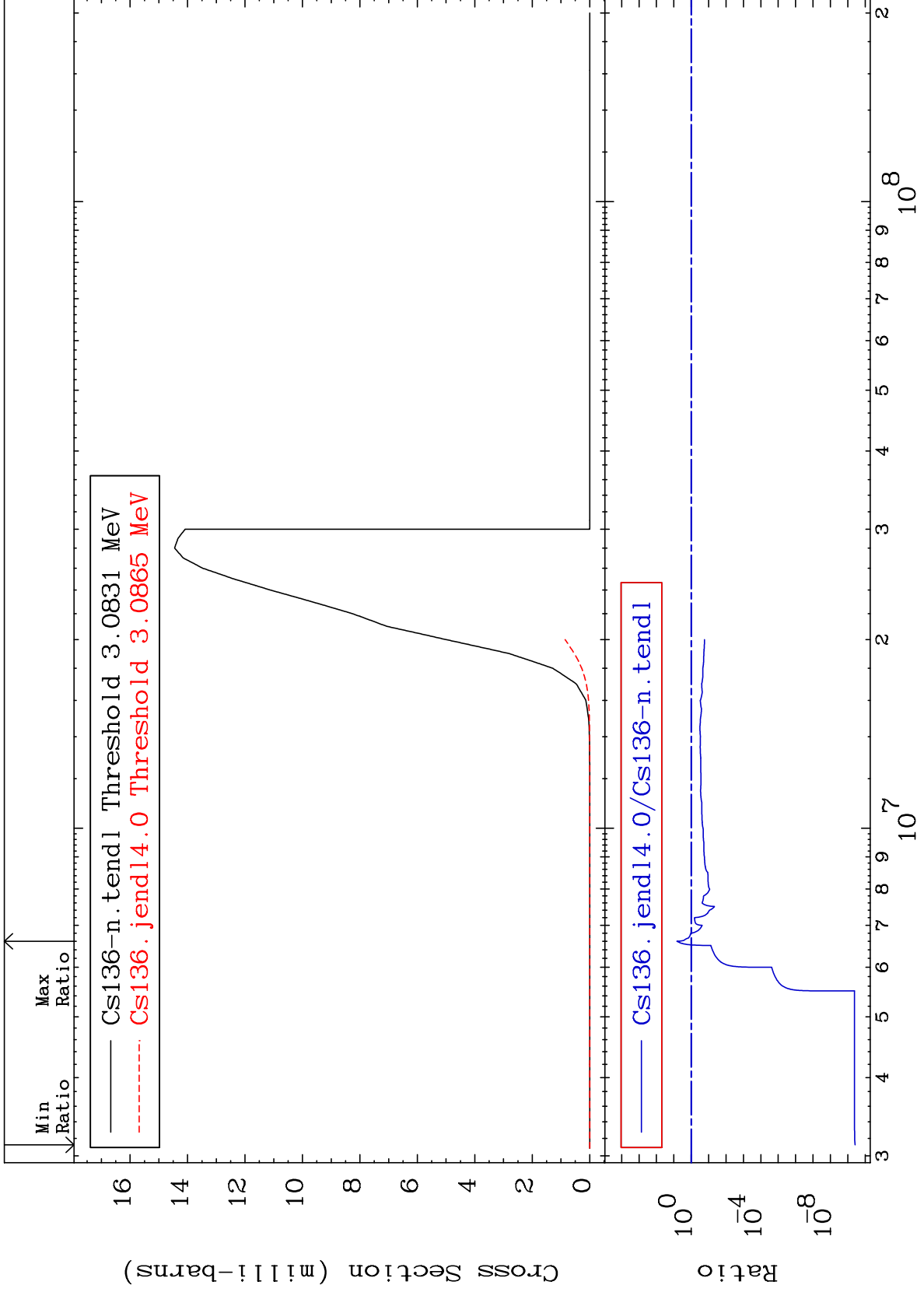




MAT 5534

(n, n') α
Cross Section

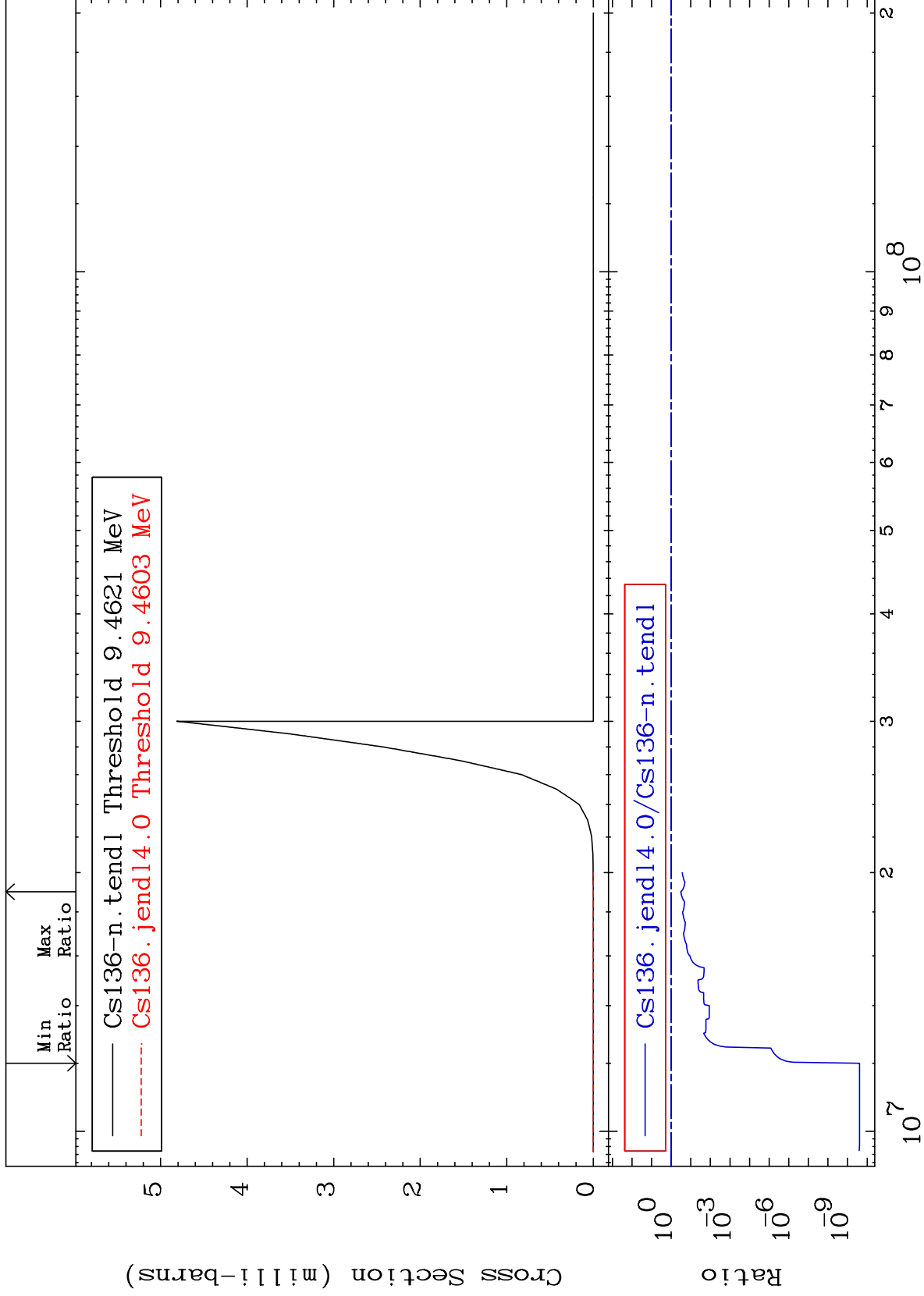
55-Cs-136
-100.0 To 564.3 %



MAT 5534

(n,2n) α
Cross Section

55-Cs-136
-100.0 To -67.60%



7

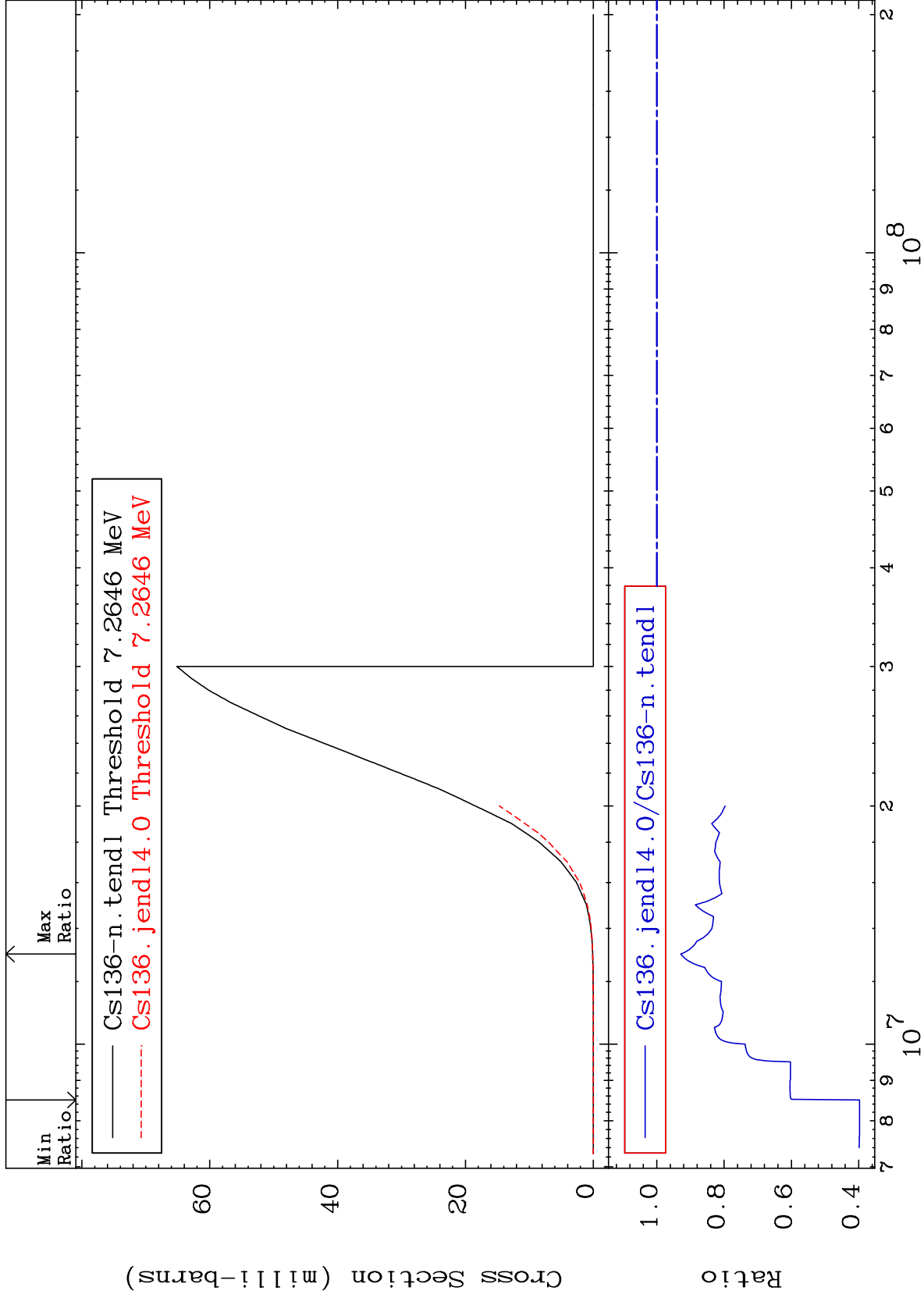
Incident Energy (eV)

55-Cs-136

MAT 5534

(n,n') p
Cross Section

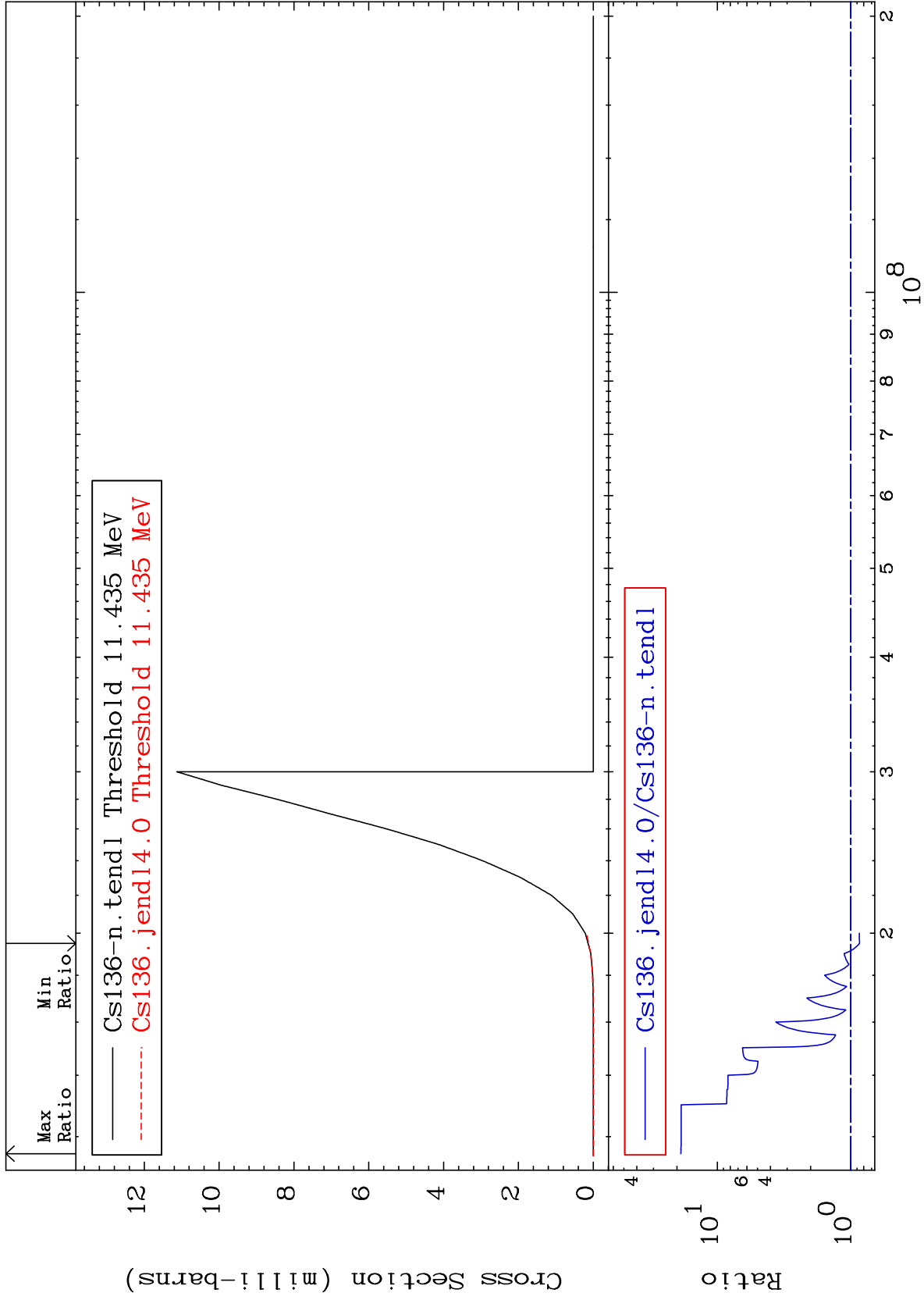
55-Cs-136
-60.25 To -7.133%



8

Incident Energy (eV)

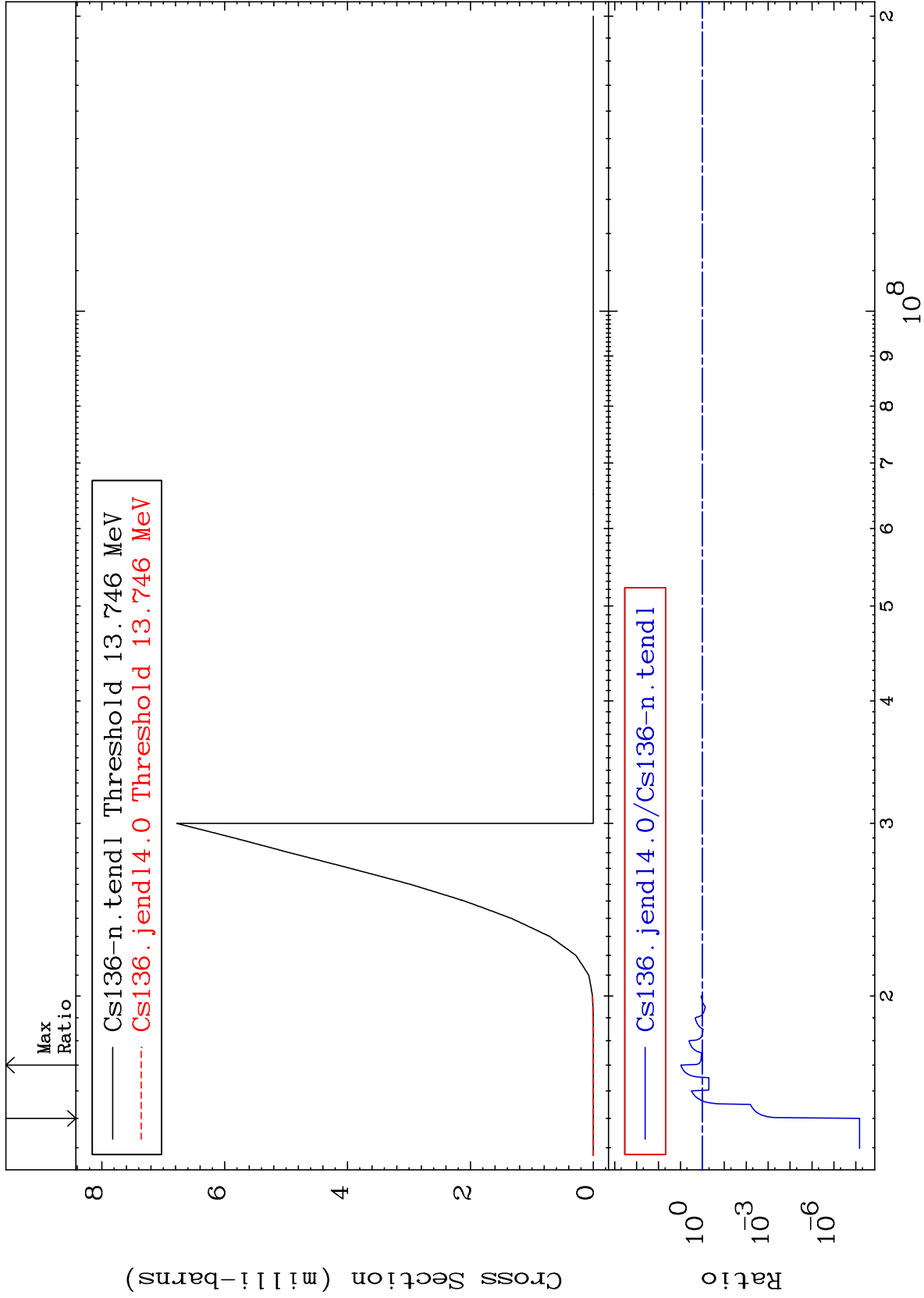
55-Cs-136



MAT 5534

(n,n') t
Cross Section

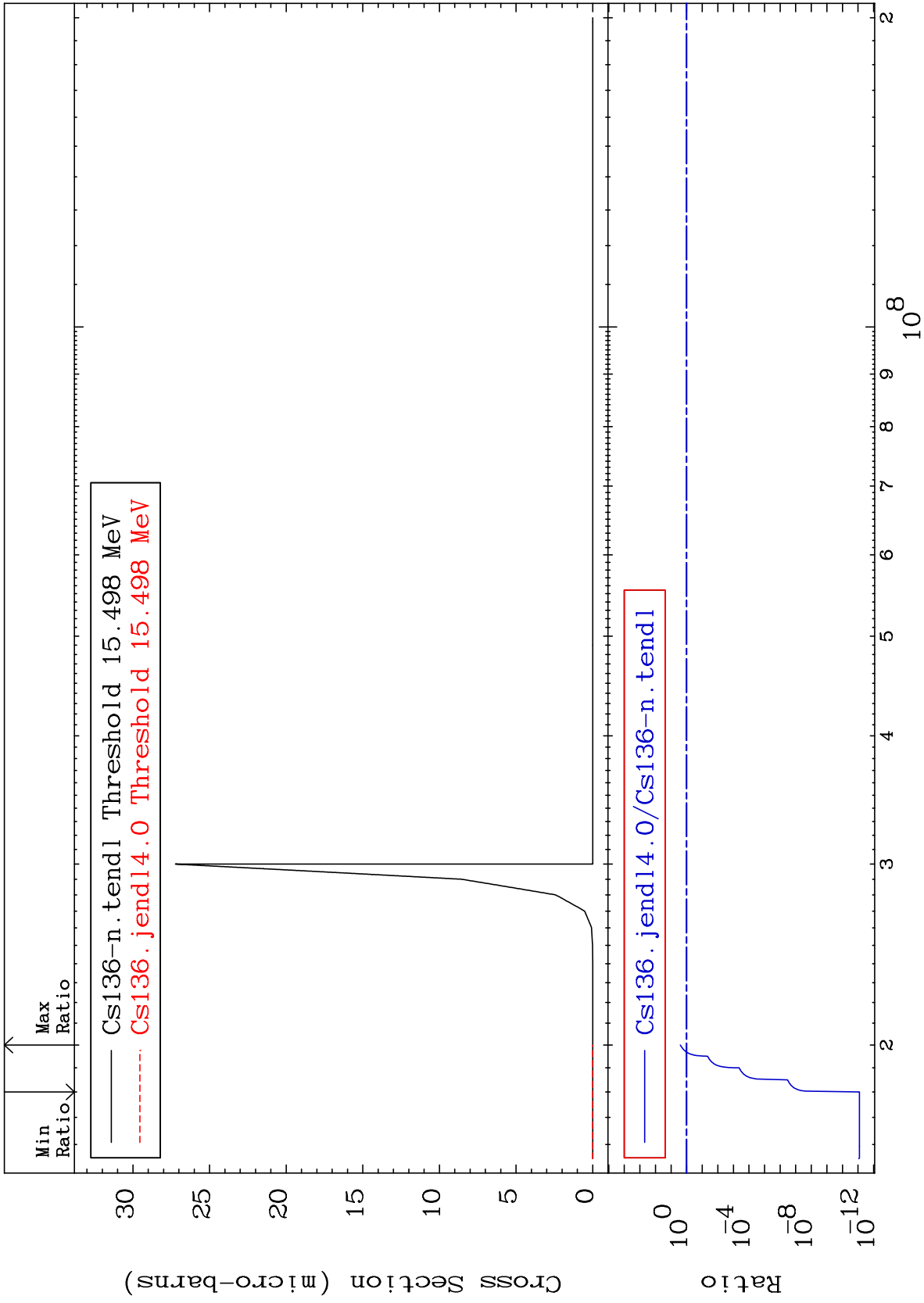
55-Cs-136
-100.0 To 864.1 %



10

55-Cs-136

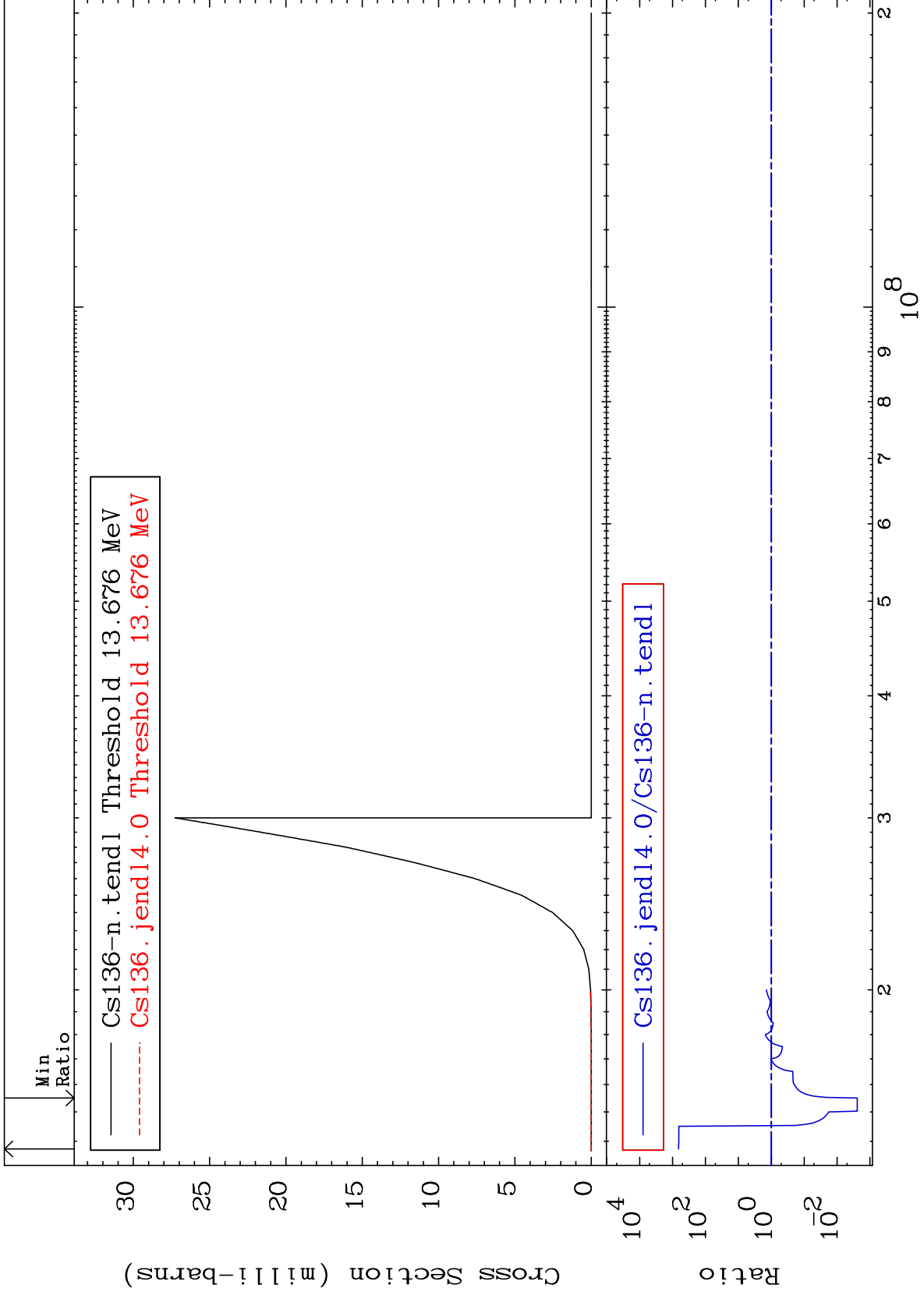
55-Cs-136

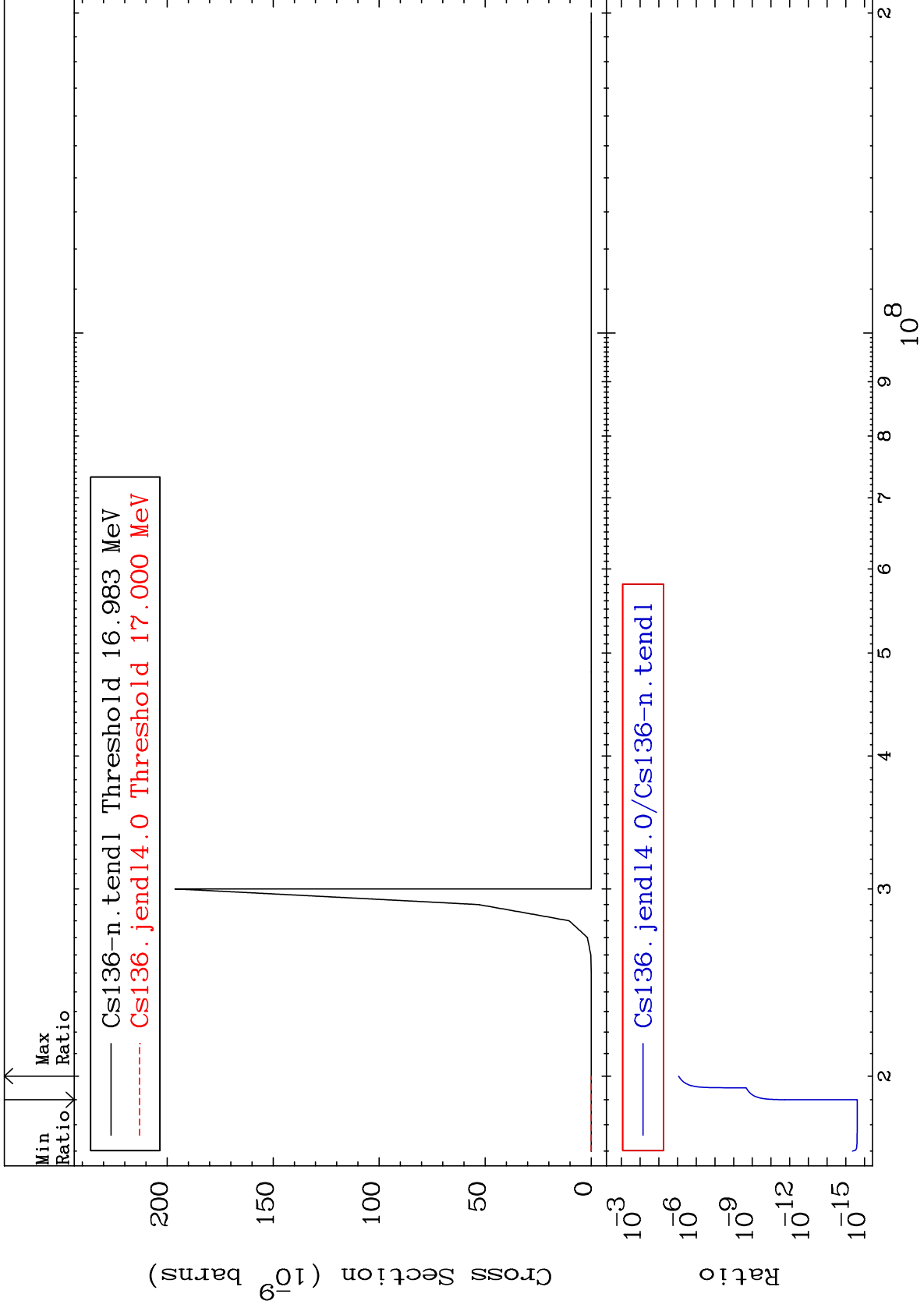


MAT 5534

(n,2n) p
Cross Section

55-Cs-136
-99.76 To 9999. %

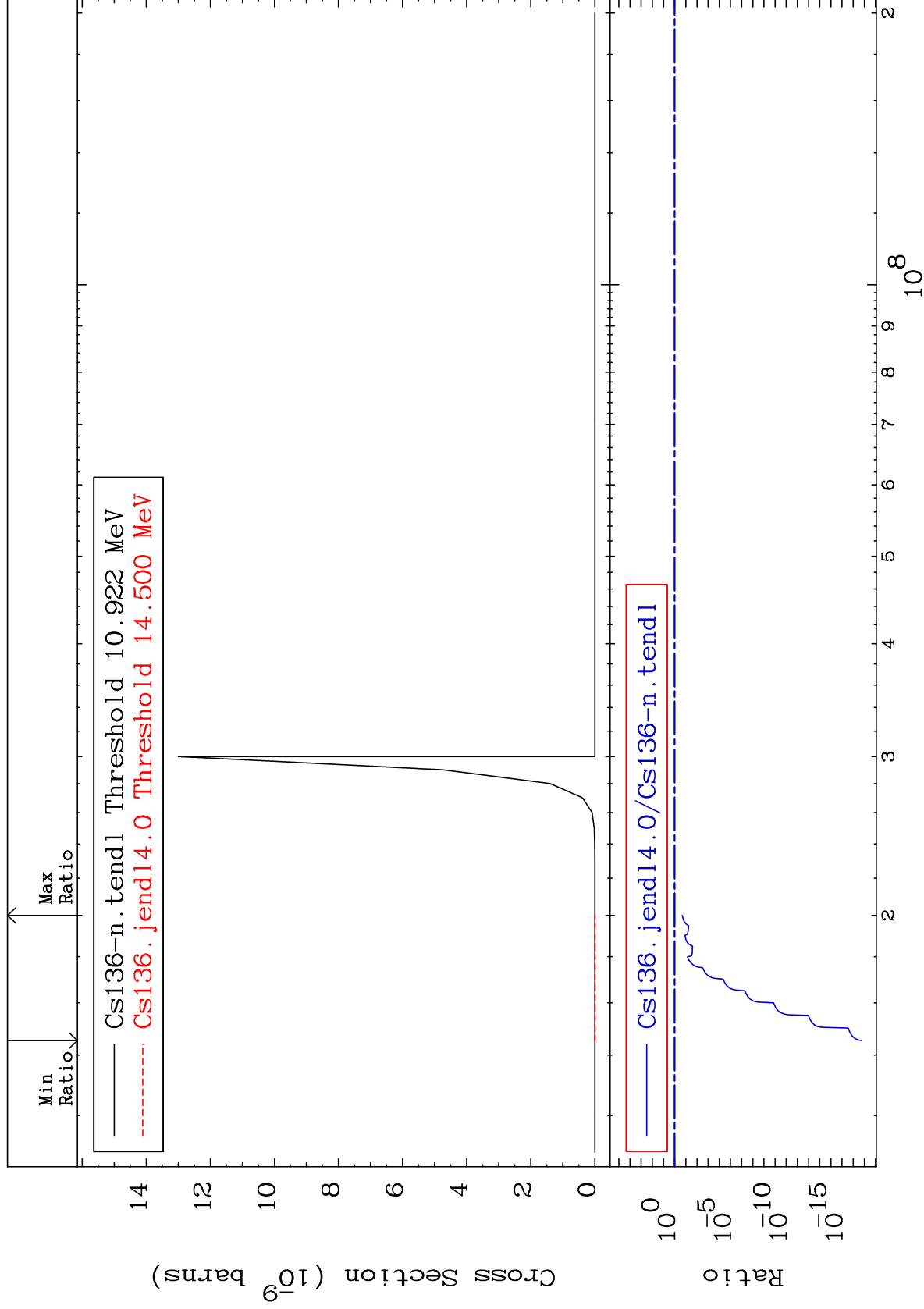




MAT 5534

(n,n') p α
Cross Section

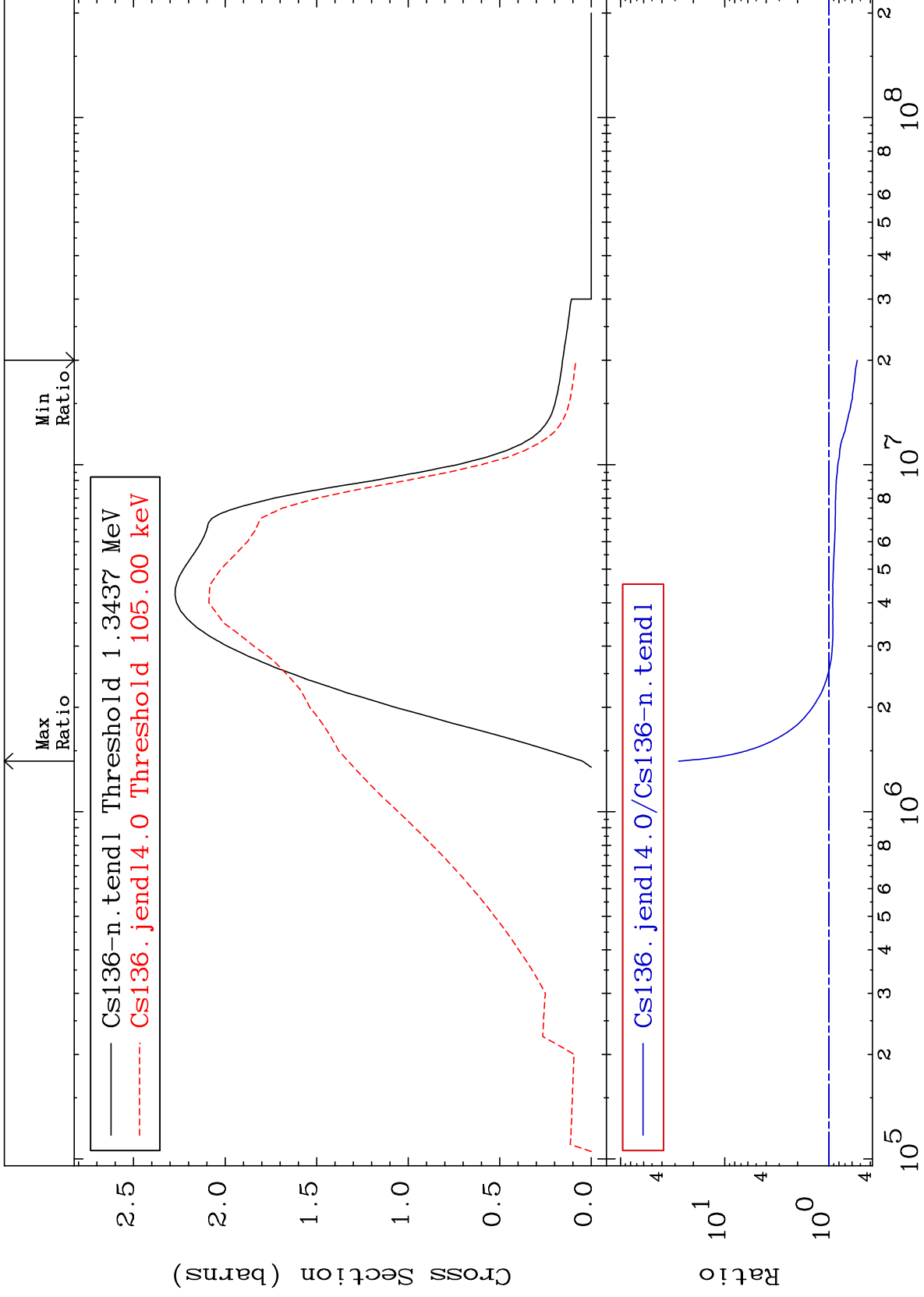
55-Cs-136
-100.0 To -79.52%



MAT 5534

(n, n') Continuum
Cross Section

55-Cs-136
-46.51 To 2670. %



15

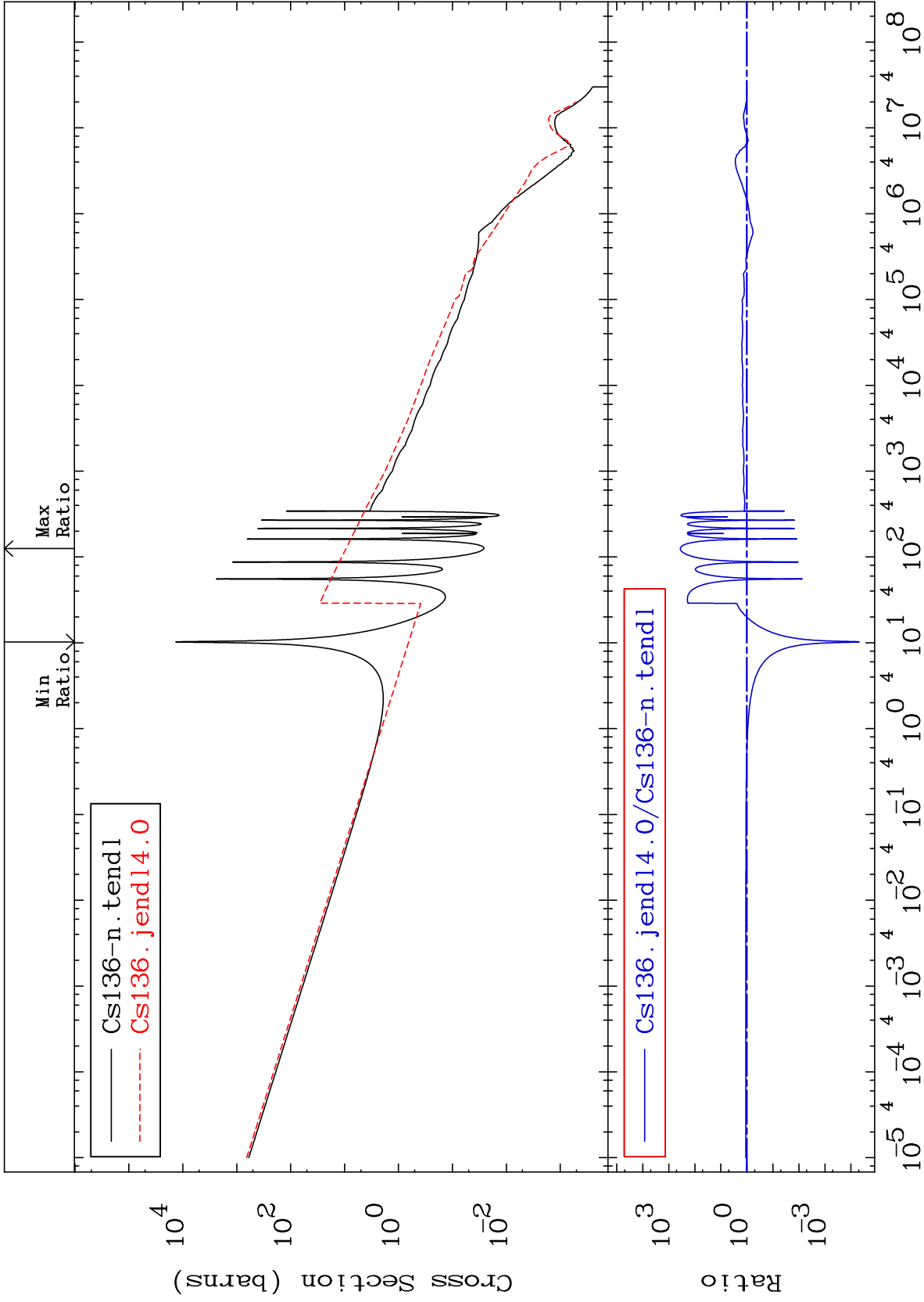
Incident Energy (eV)

55-Cs-136

MAT 5534

55-Cs-136
-100.0 To 9999. %

(n, γ)
Cross Section



16

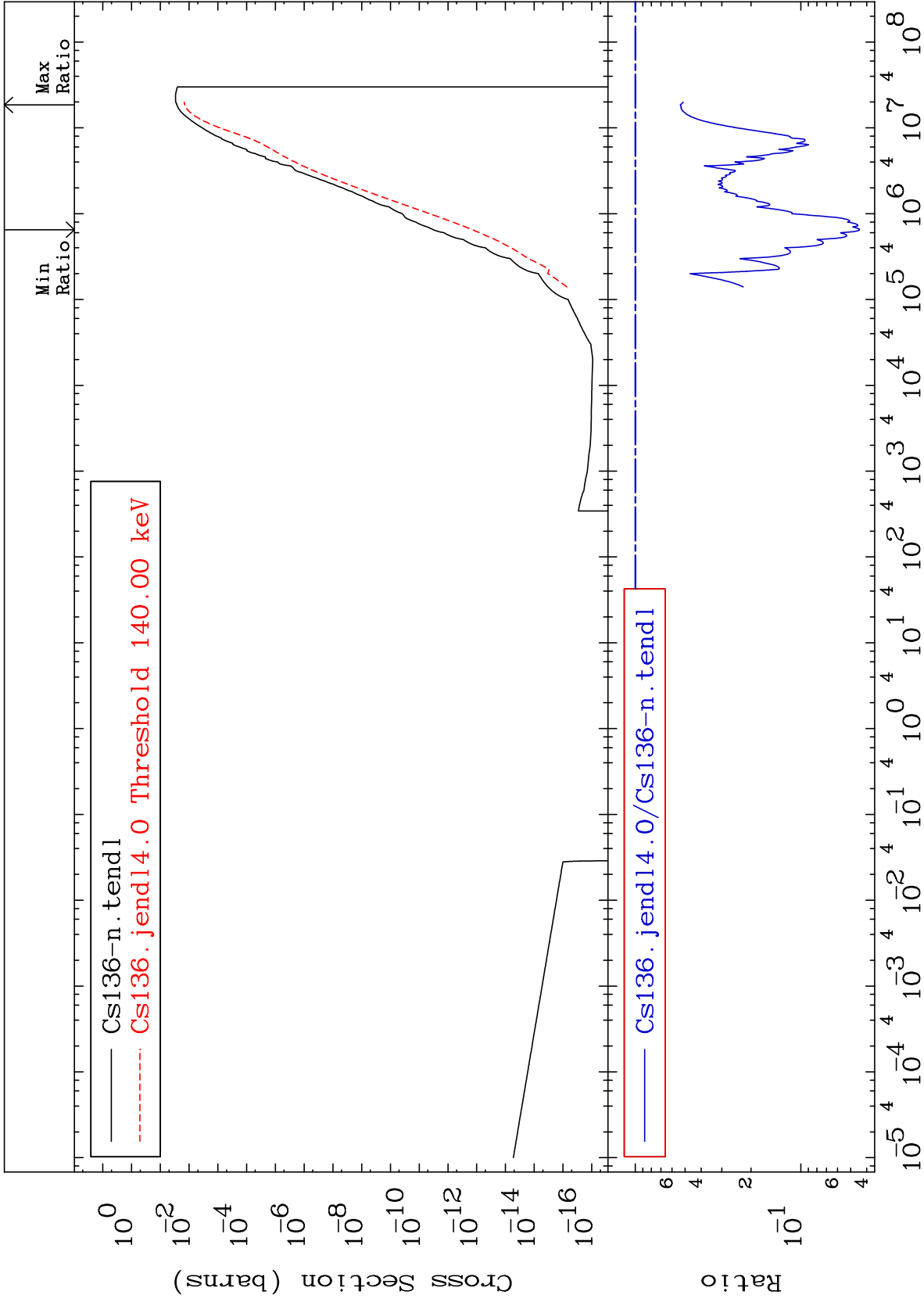
Incident Energy (eV)

55-Cs-136

MAT 5534

(n,p)
Cross Section

55-Cs-136
-95.58 To -46.59%



Incident Energy (eV)

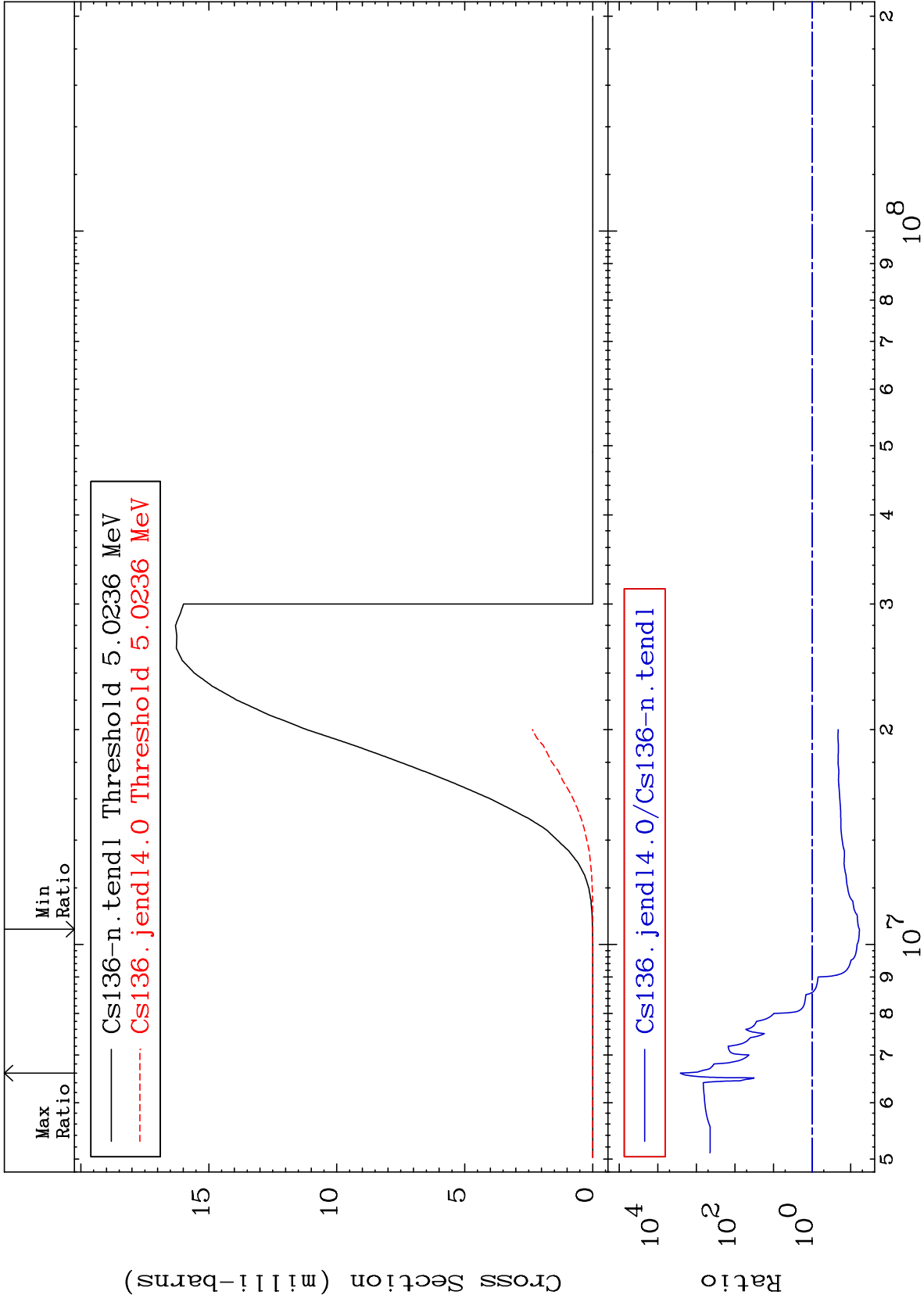
55-Cs-136

17

MAT 5534

(n, d)
Cross Section

55-Cs-136
-94.08 To 9999. %



18

Incident Energy (eV)

55-Cs-136

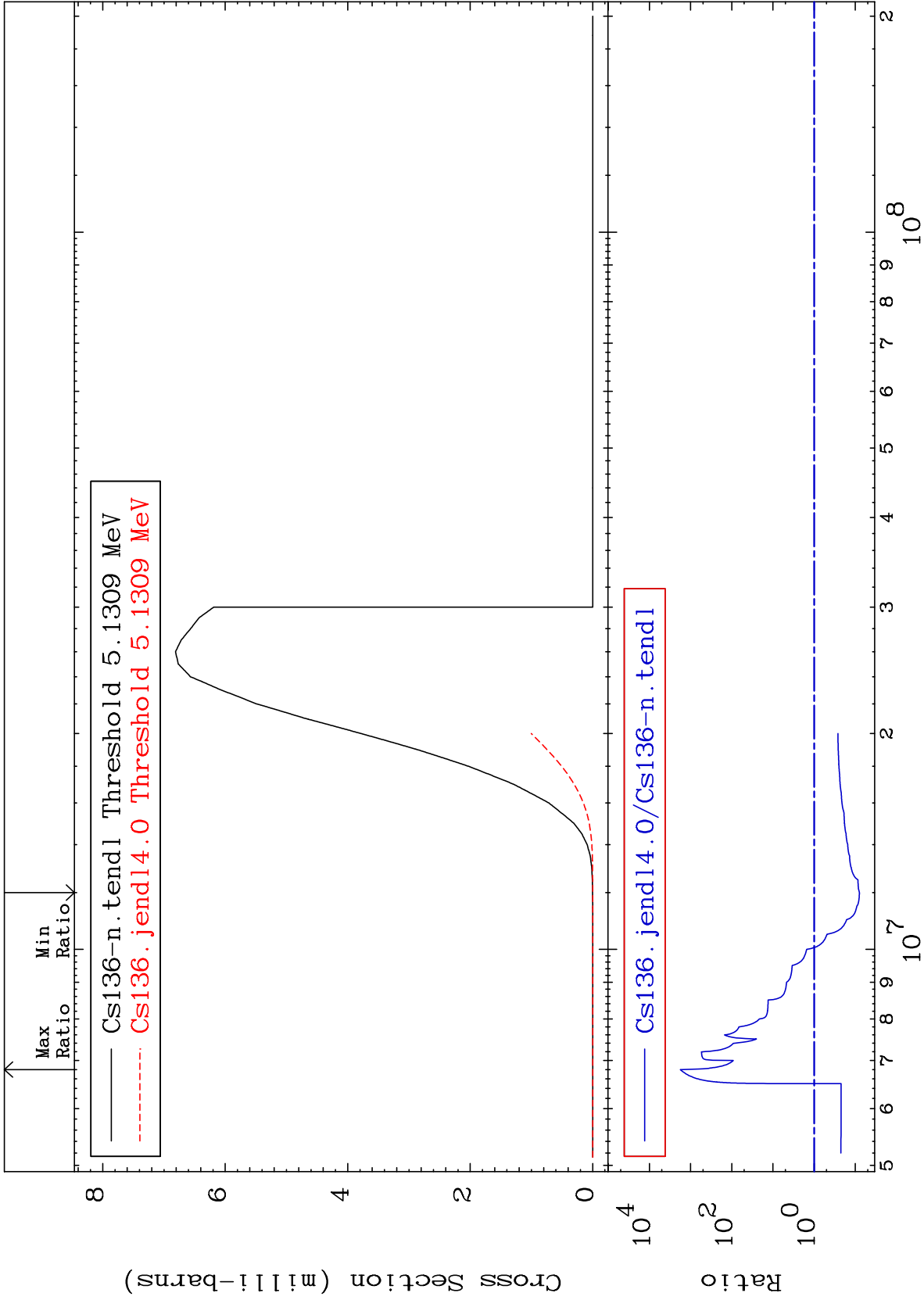
MAT 5534

(n, t)

55-Cs-136

Cross Section

-92.06 To 9999. %



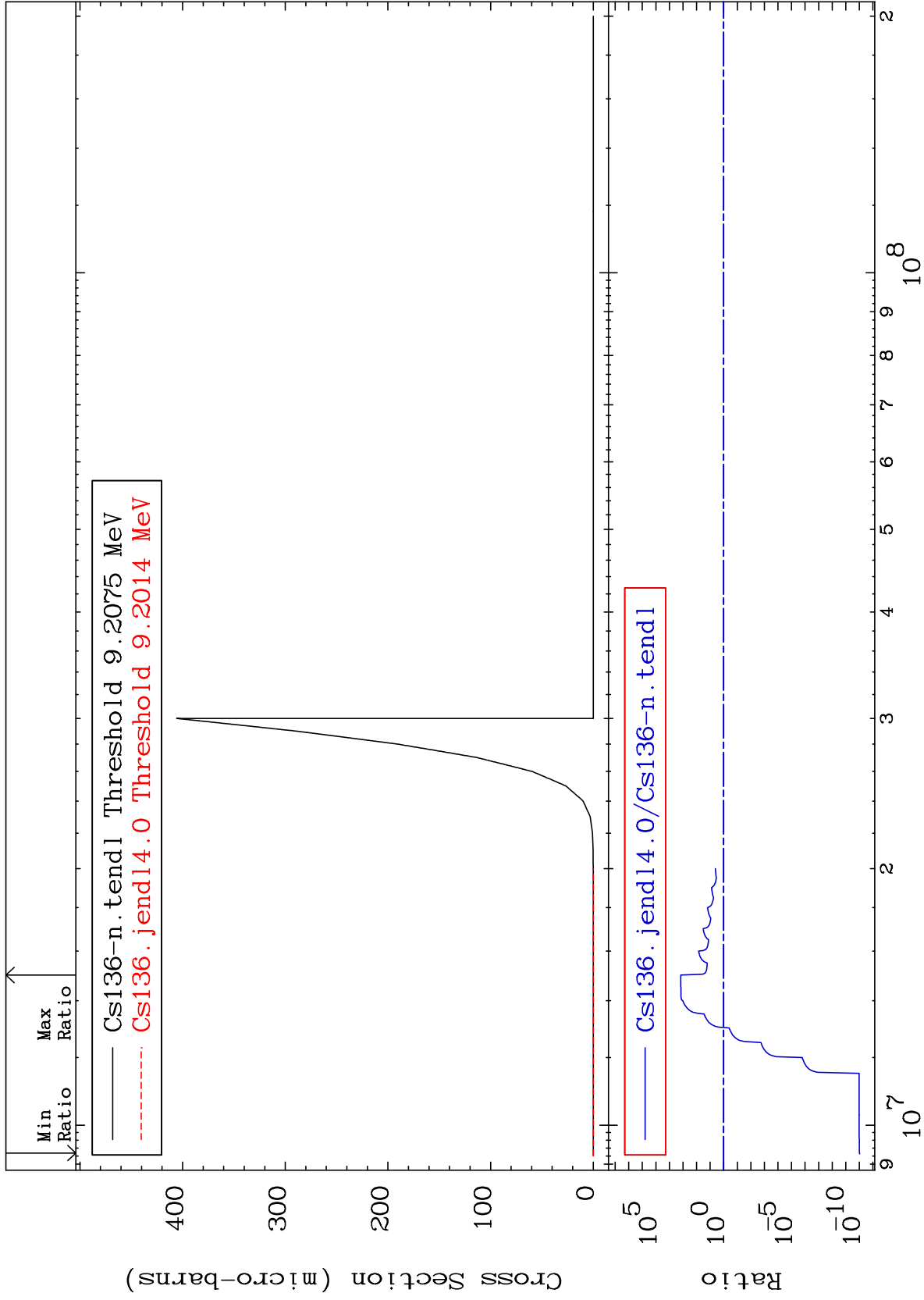
MAT 5534

(n, He-3)

55-Cs-136

Cross Section

-100.0 To 9999. %



20

Incident Energy (eV)

55-Cs-136

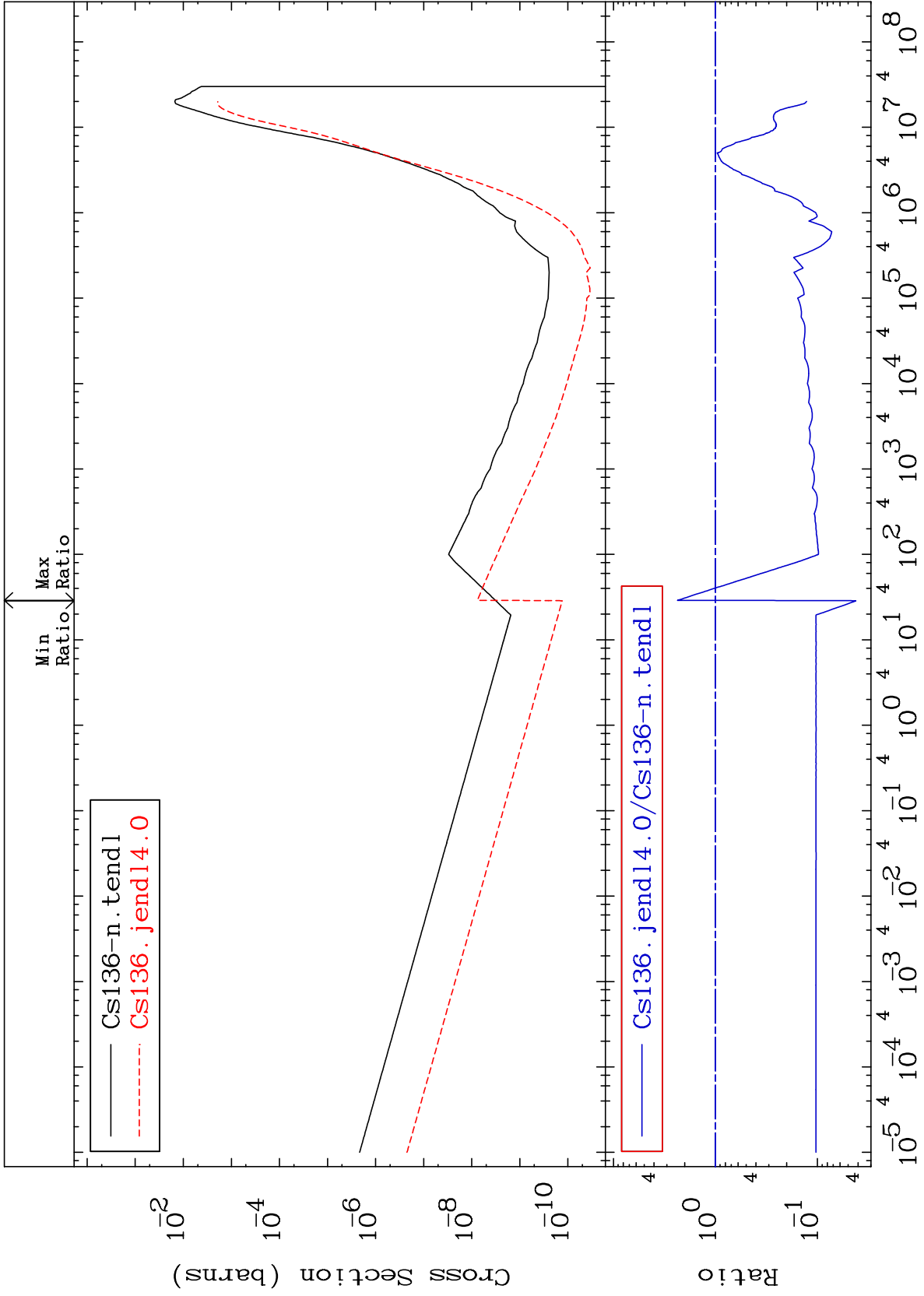
MAT 5534

(n, α)

55-Cs-136

Cross Section

-95.80 To 135.6 %



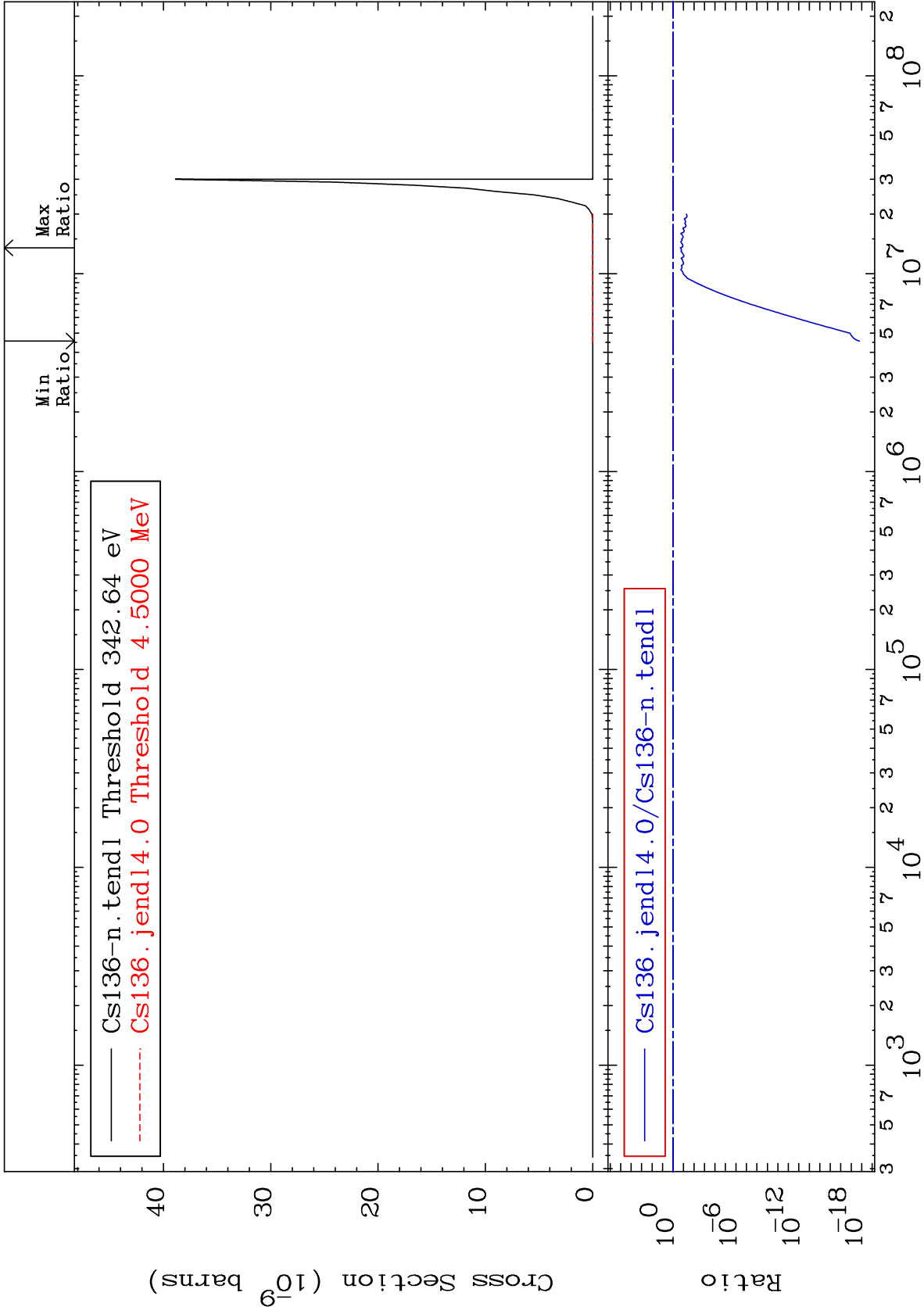
MAT 5534

(n,2α)

55-Cs-136

Cross Section

-100.0 To -79.94%



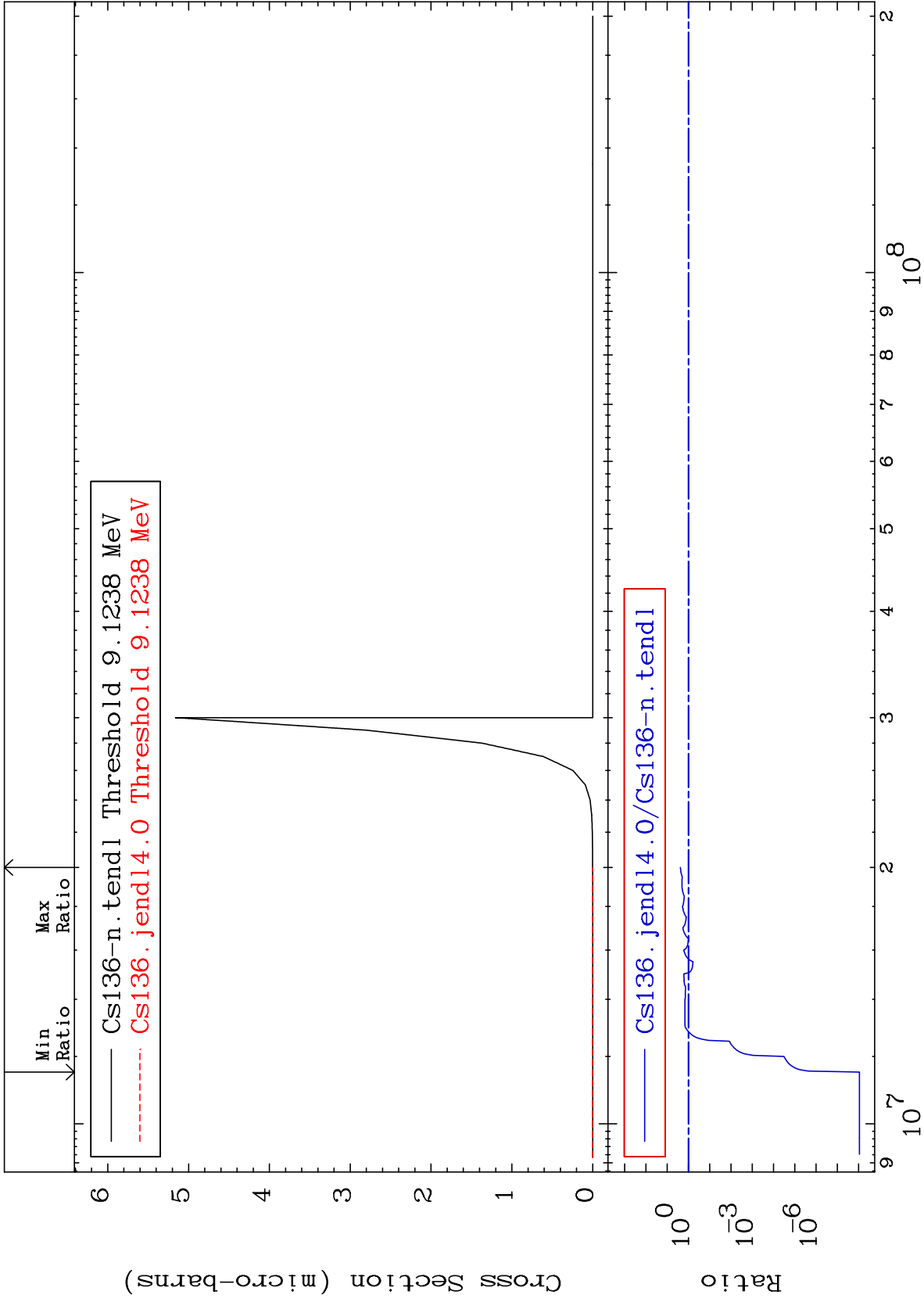
MAT 5534

(n,2p)

55-Cs-136

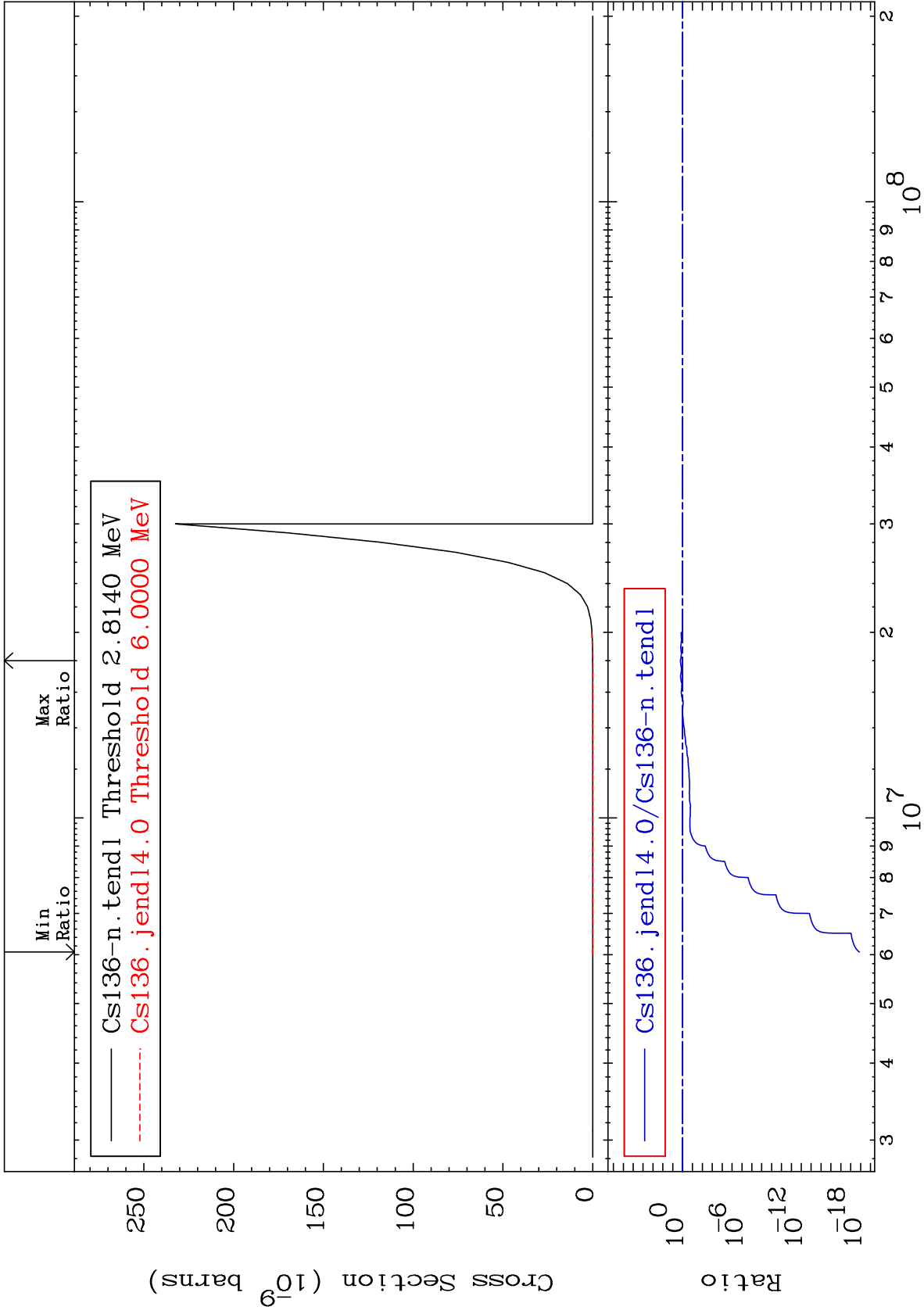
Cross Section

-100.0 To 139.9 %



MAT 5534

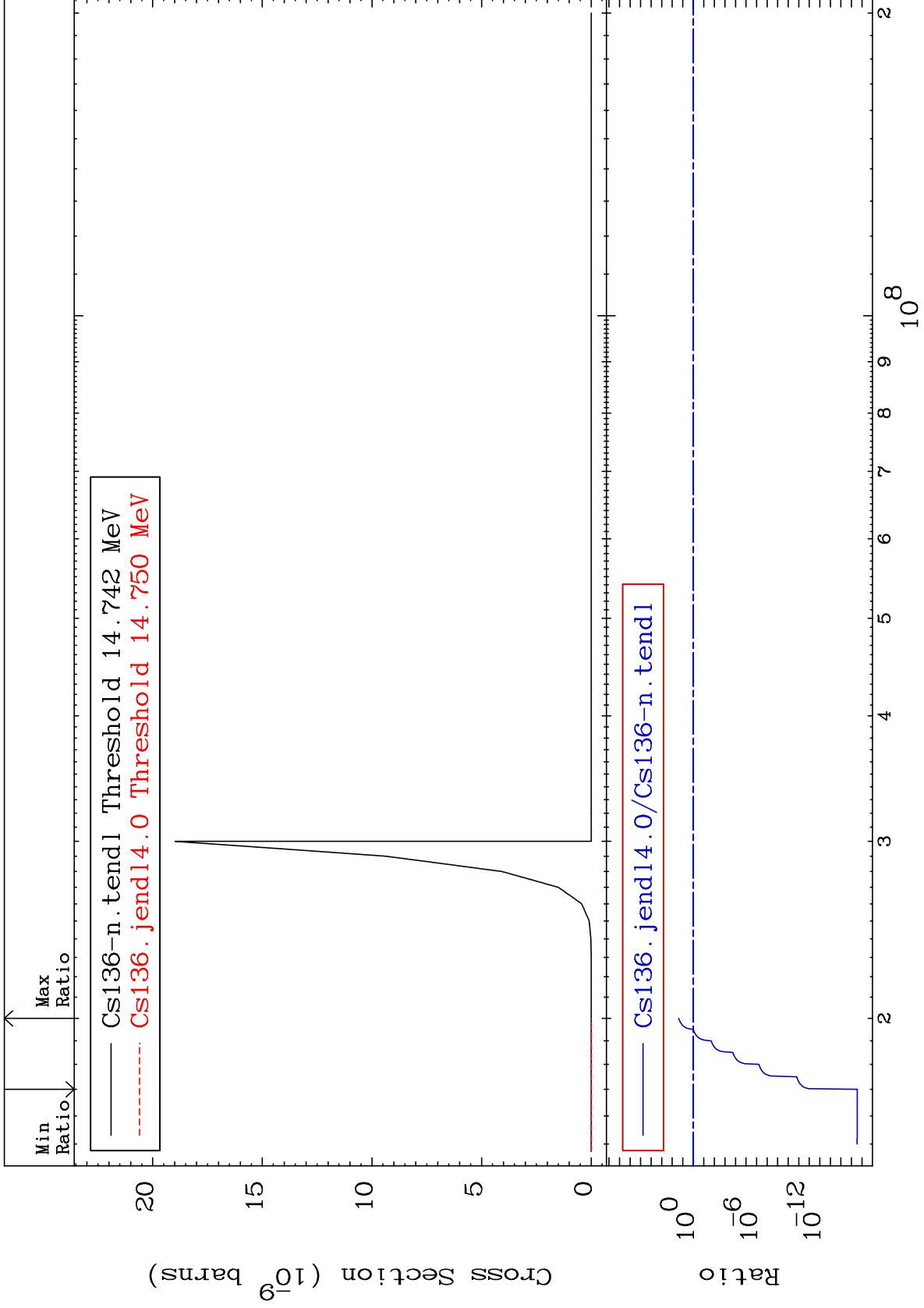
(n,p) α
Cross Section
55-Cs-136
-100.0 To 69.15 %

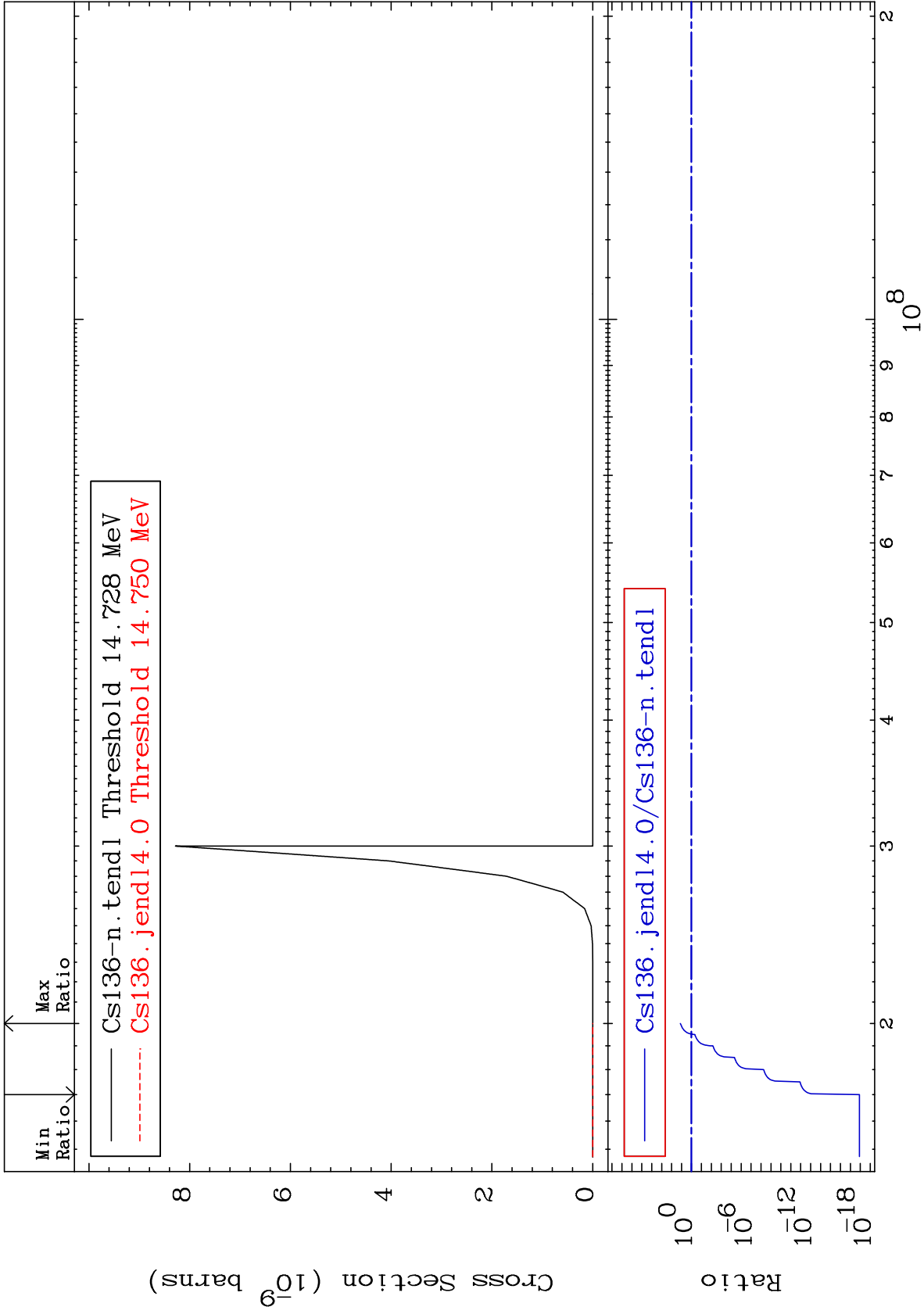


MAT 5534

(n,p) d
Cross Section

55-Cs-136
-100.0 To 2362. %





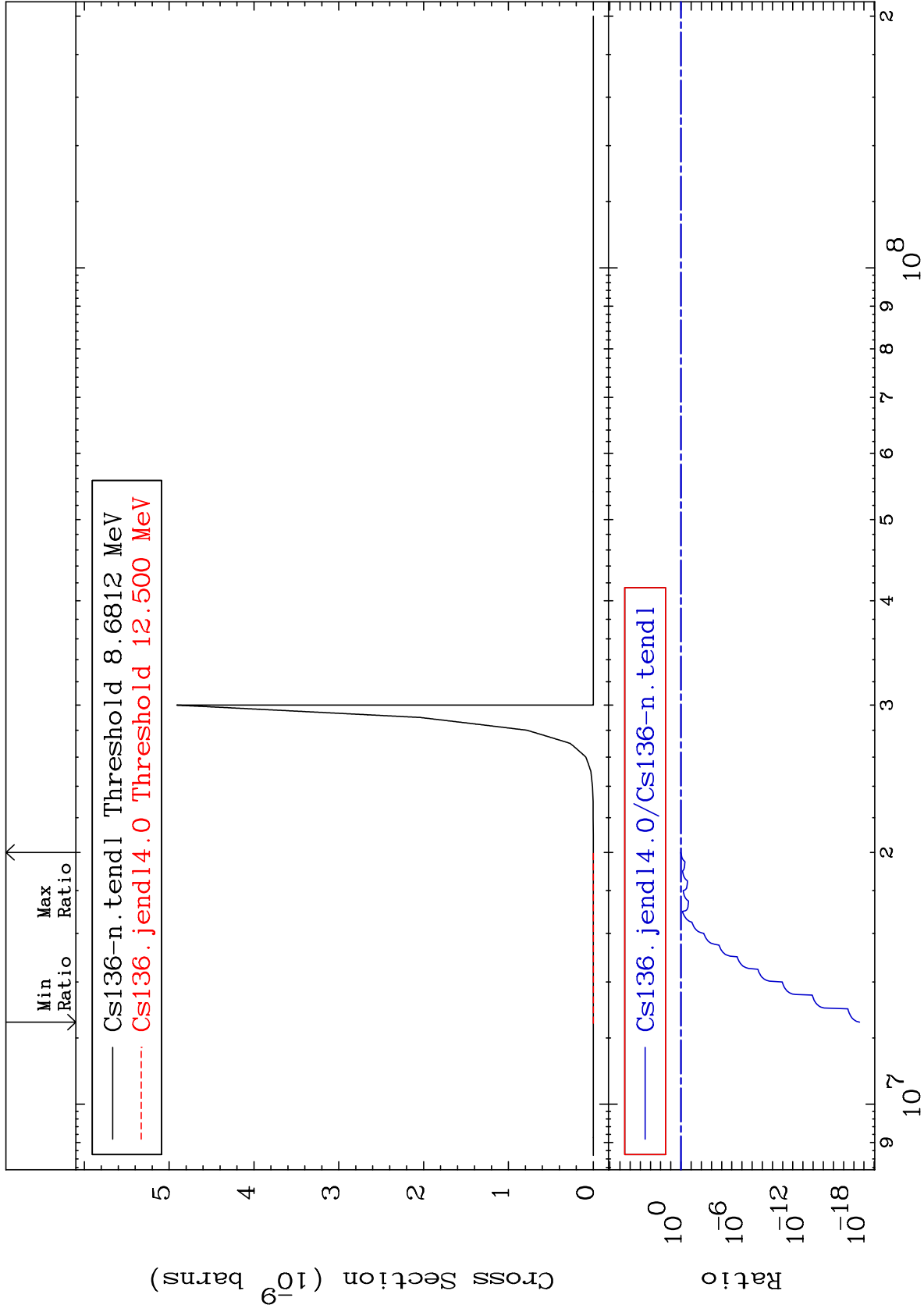
MAT 5534

(n, d) α

55-Cs-136

Cross Section

-100.0 To 4.476 %



27

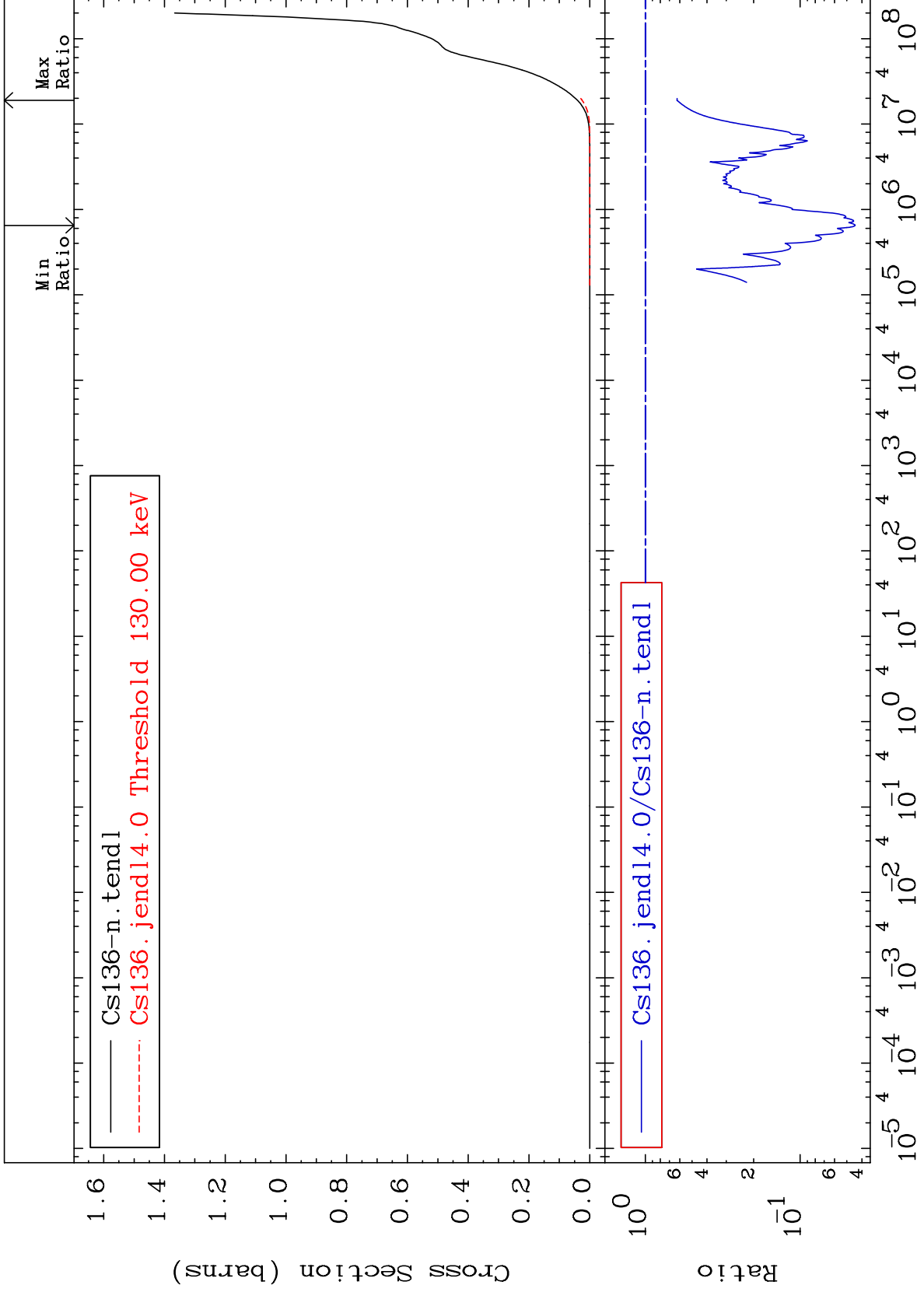
Incident Energy (eV)

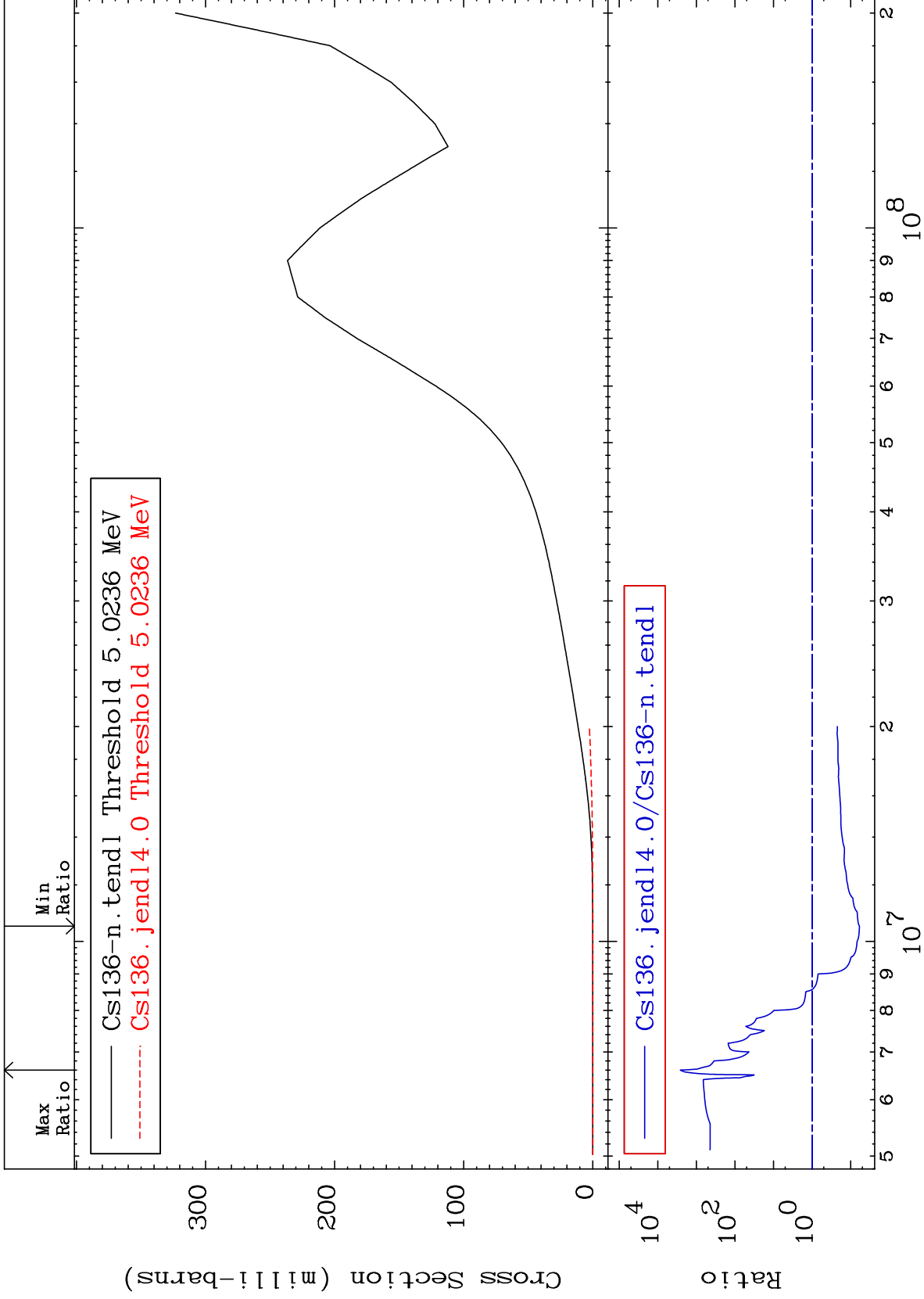
55-Cs-136

MAT 5534

Hydrogen Production
Cross Section

55-Cs-136
-95.58 To -37.47%

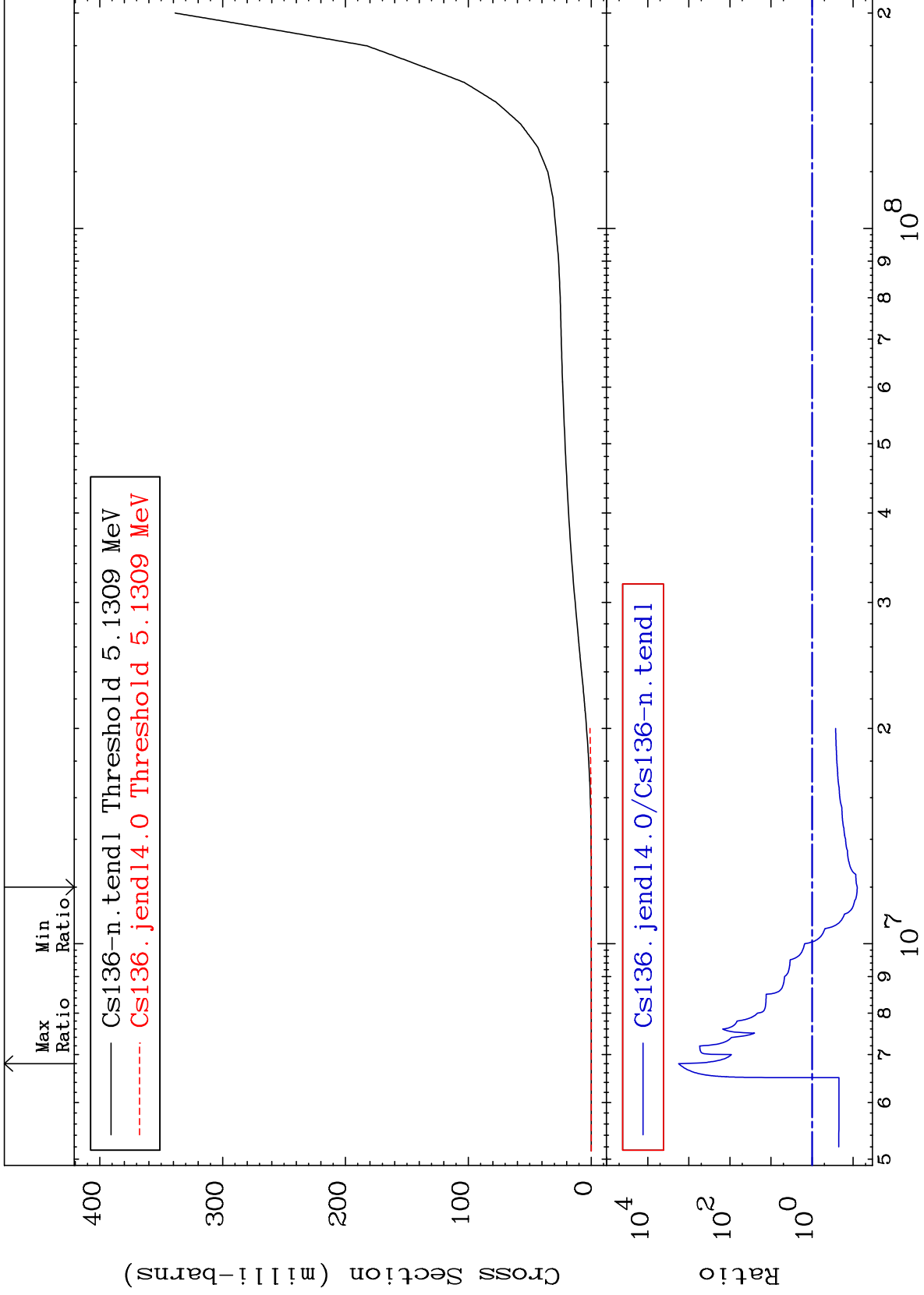




MAT 5534

Tritium Production
Cross Section

55-Cs-136
-92.06 To 9999. %



30

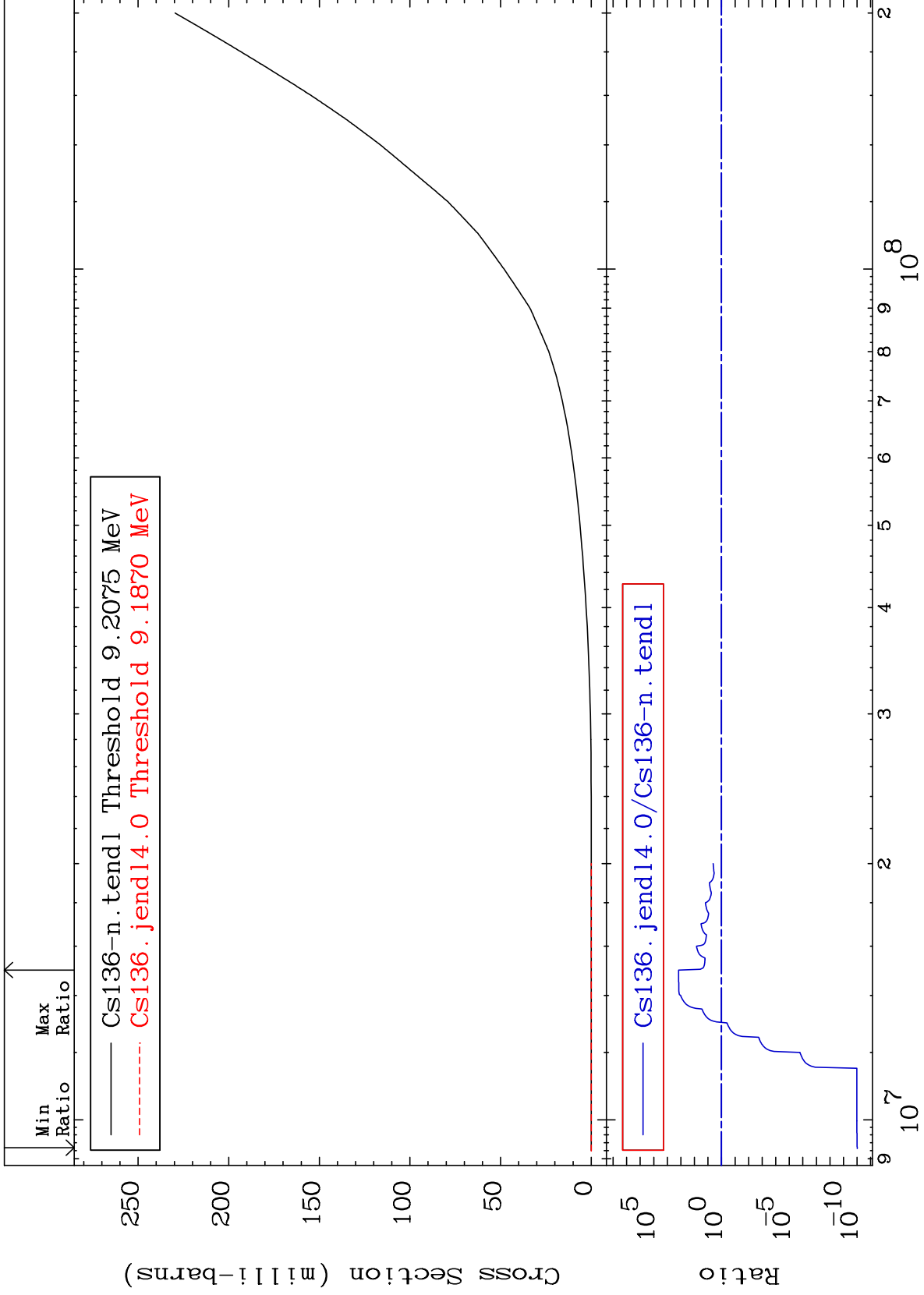
Incident Energy (eV)

55-Cs-136

MAT 5534

He-3 Production
Cross Section

55-Cs-136
-100.0 To 9999. %



31

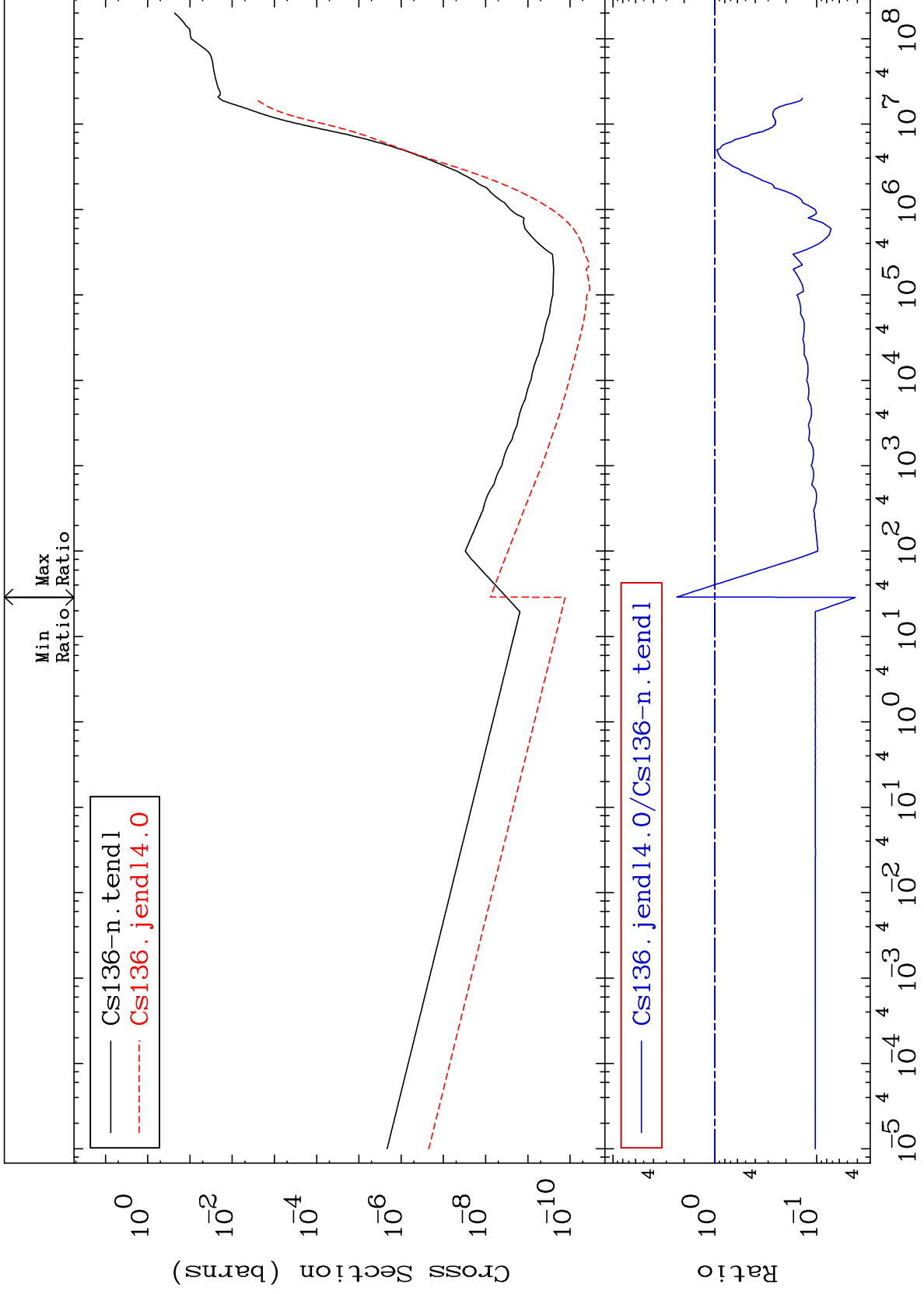
Incident Energy (eV)

55-Cs-136

MAT 5534

He-4 Production
Cross Section

55-Cs-136
-95.80 To 135.6 %

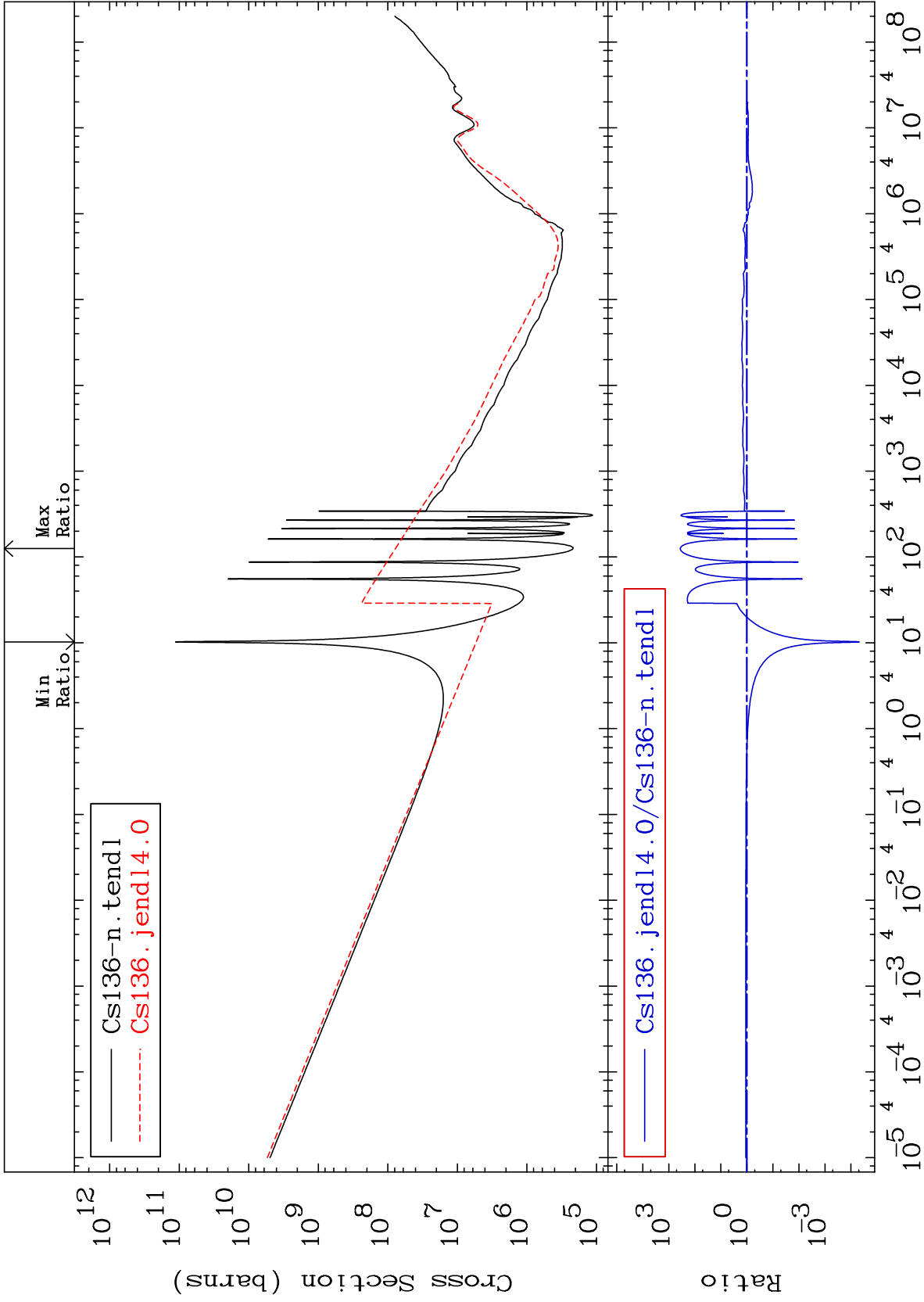


MAT 5534

Kerma total (eV-barns)

55-Cs-136

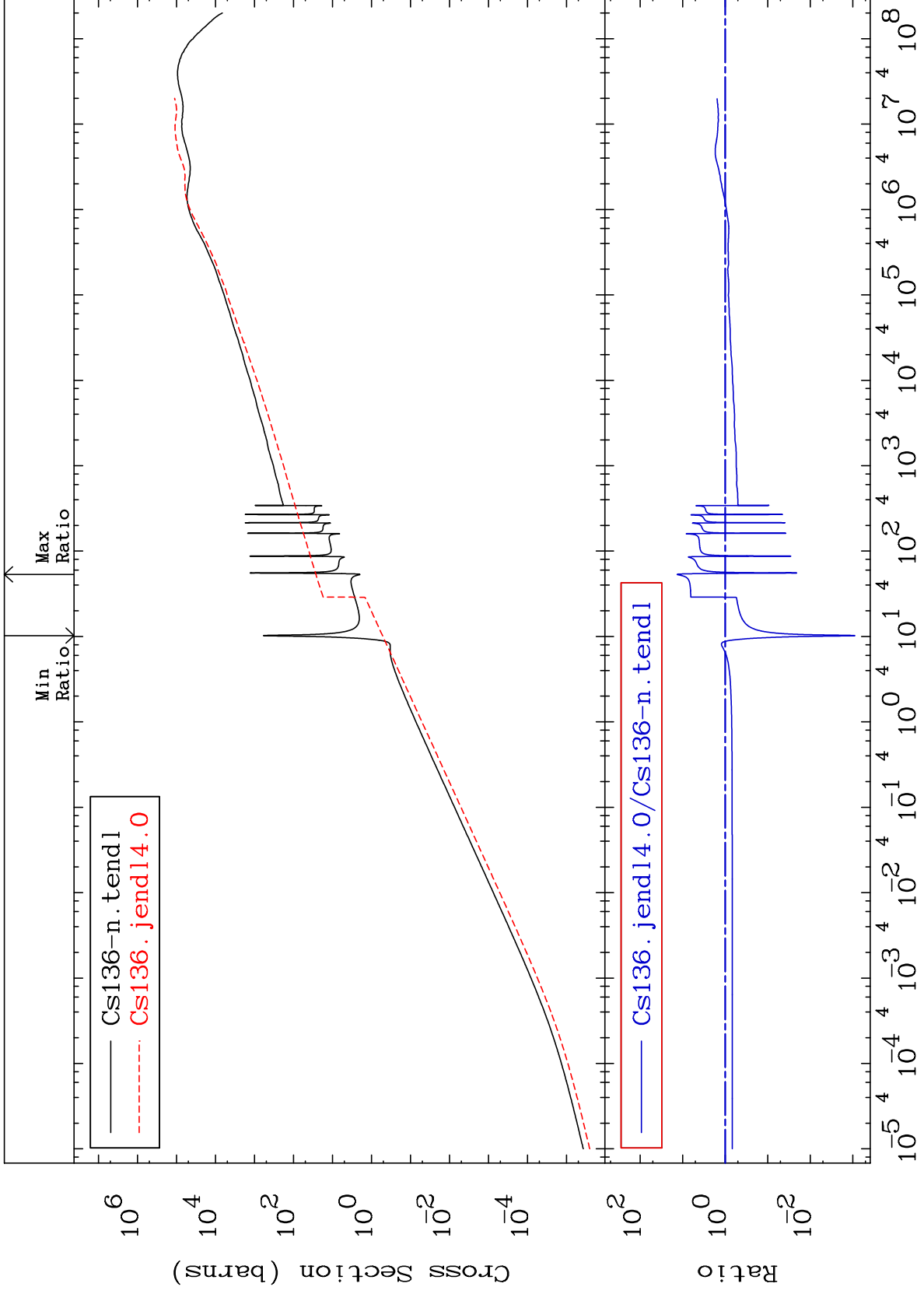
-100.0 To 9999. %



MAT 5534

Kerma elastic
Cross Section

55-Cs-136
-99.91 To 1262. %

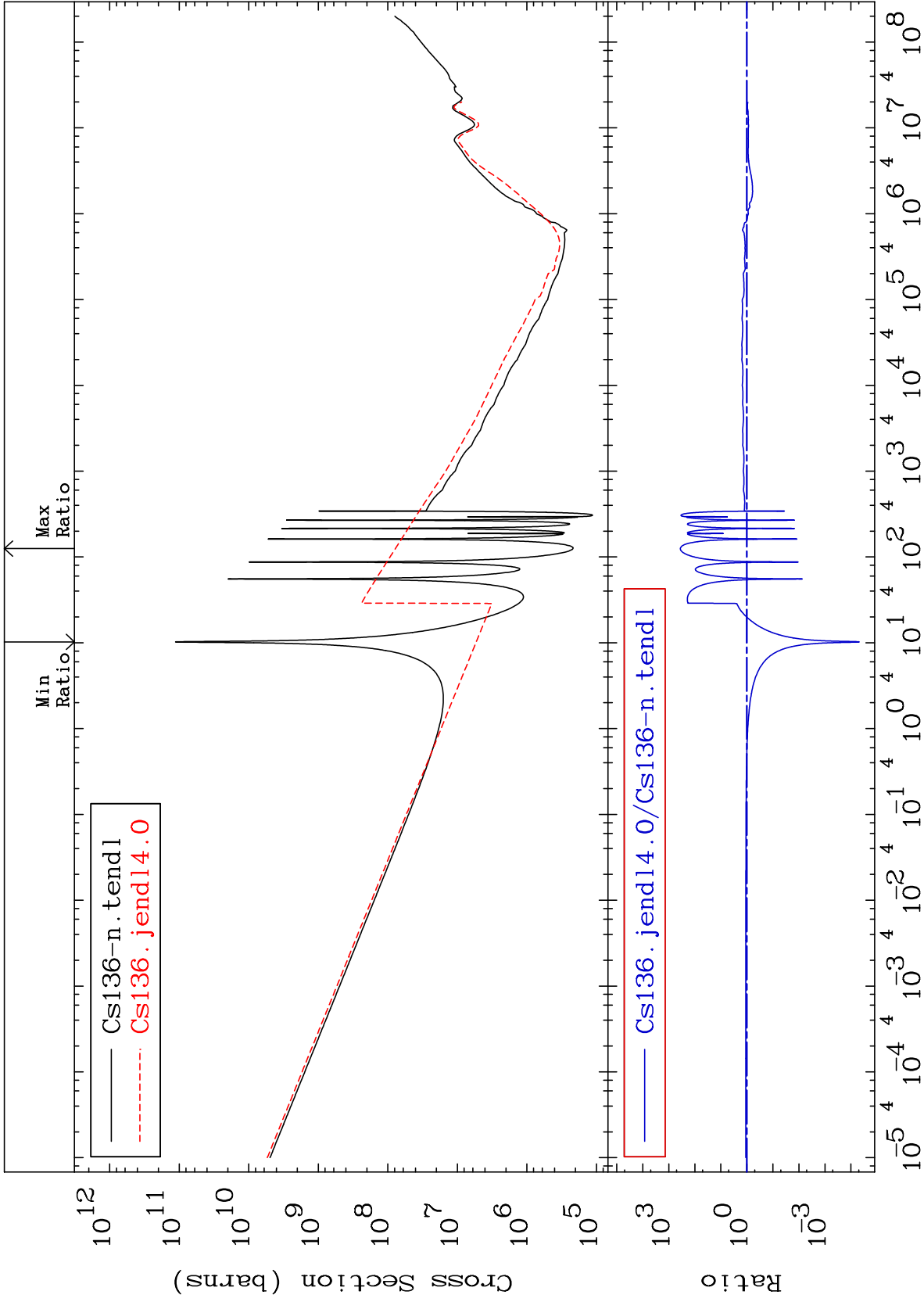


MAT 5534

Kerma non-elastic (all but mt2)

55-Cs-136

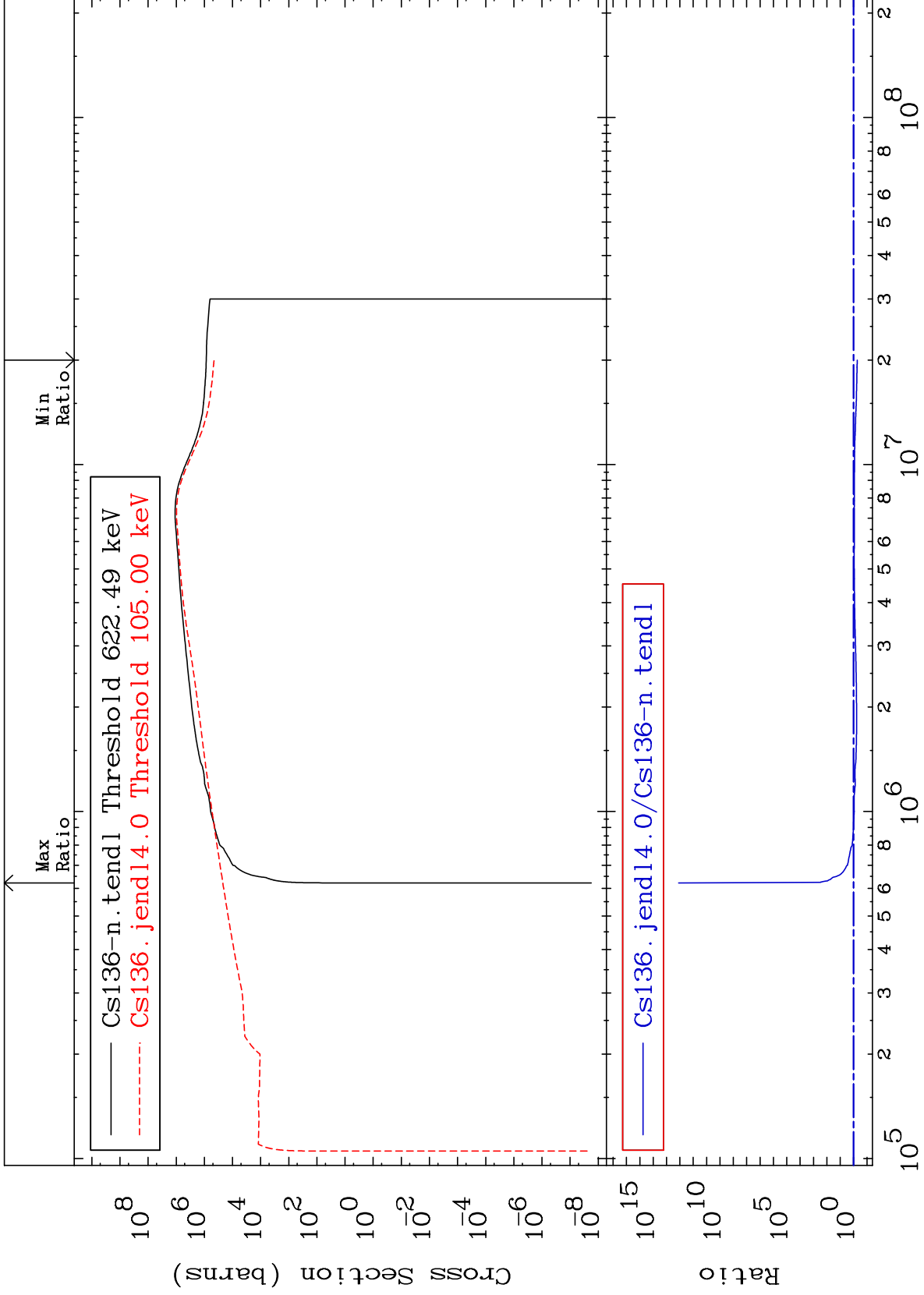
-100.0 To 9999. %



MAT 5534

Kerma inelastic (mt51-91)
Cross Section

55-Cs-136
-47.04 To 9999. %



36

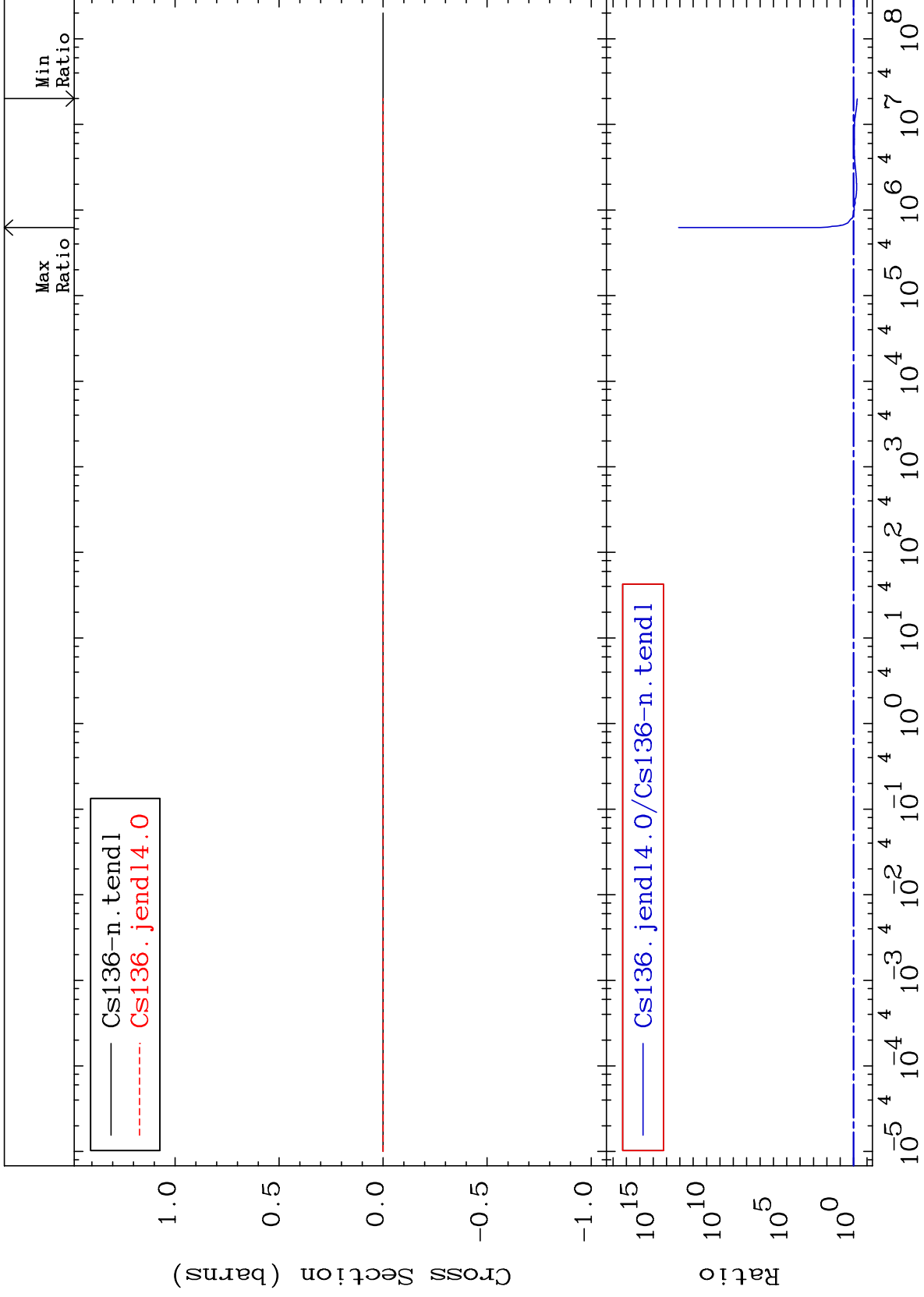
Incident Energy (eV)

55-Cs-136

MAT 5534

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

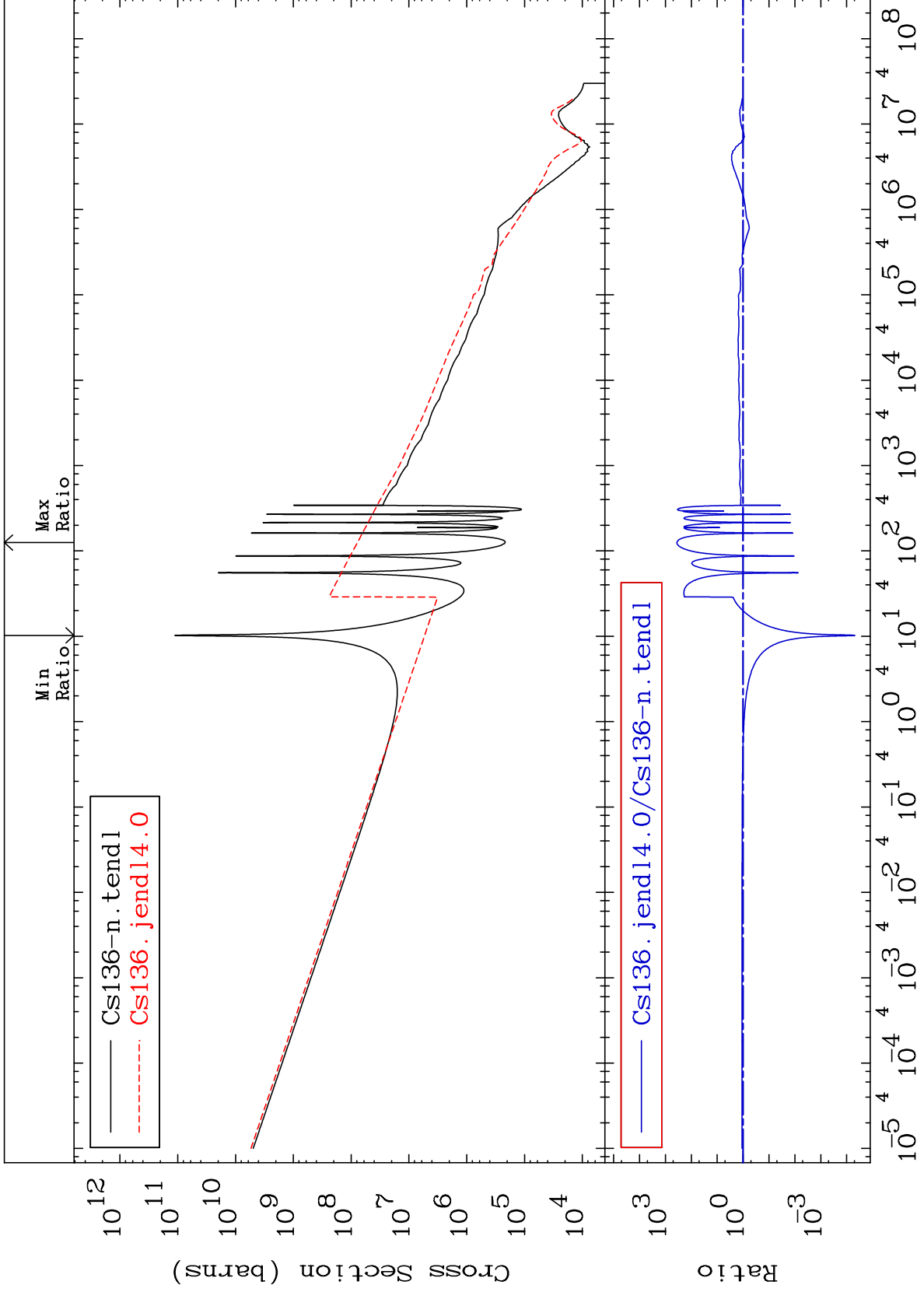
55-Cs-136
-47.04 To 9999. %



MAT 5534

Kerma capture (mt102)
Cross Section

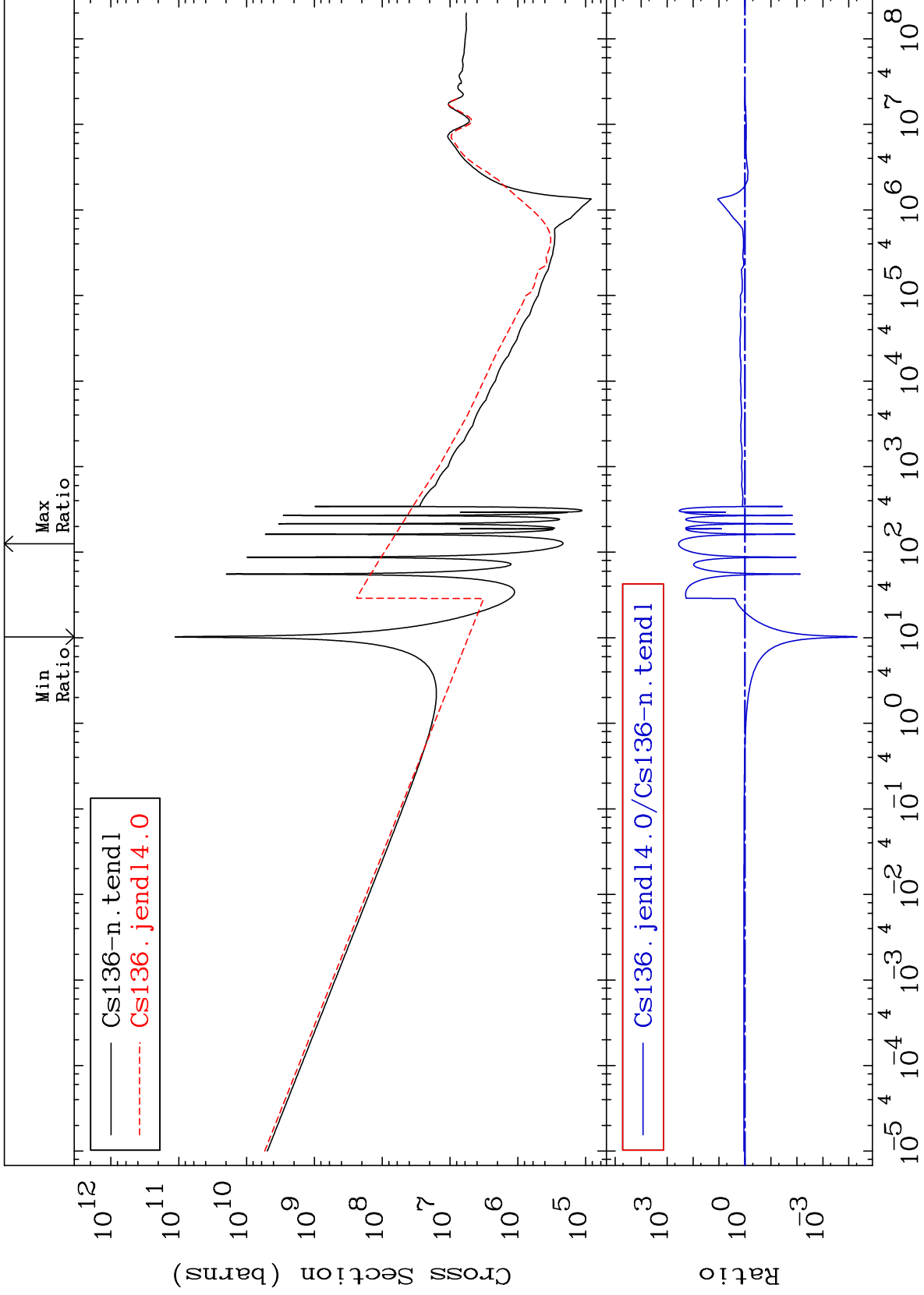
55-Cs-136
-100.0 To 9999. %



MAT 5534

Total photon (eV-barns)
Cross Section

55-Cs-136
-100.0 To 9999. %



39

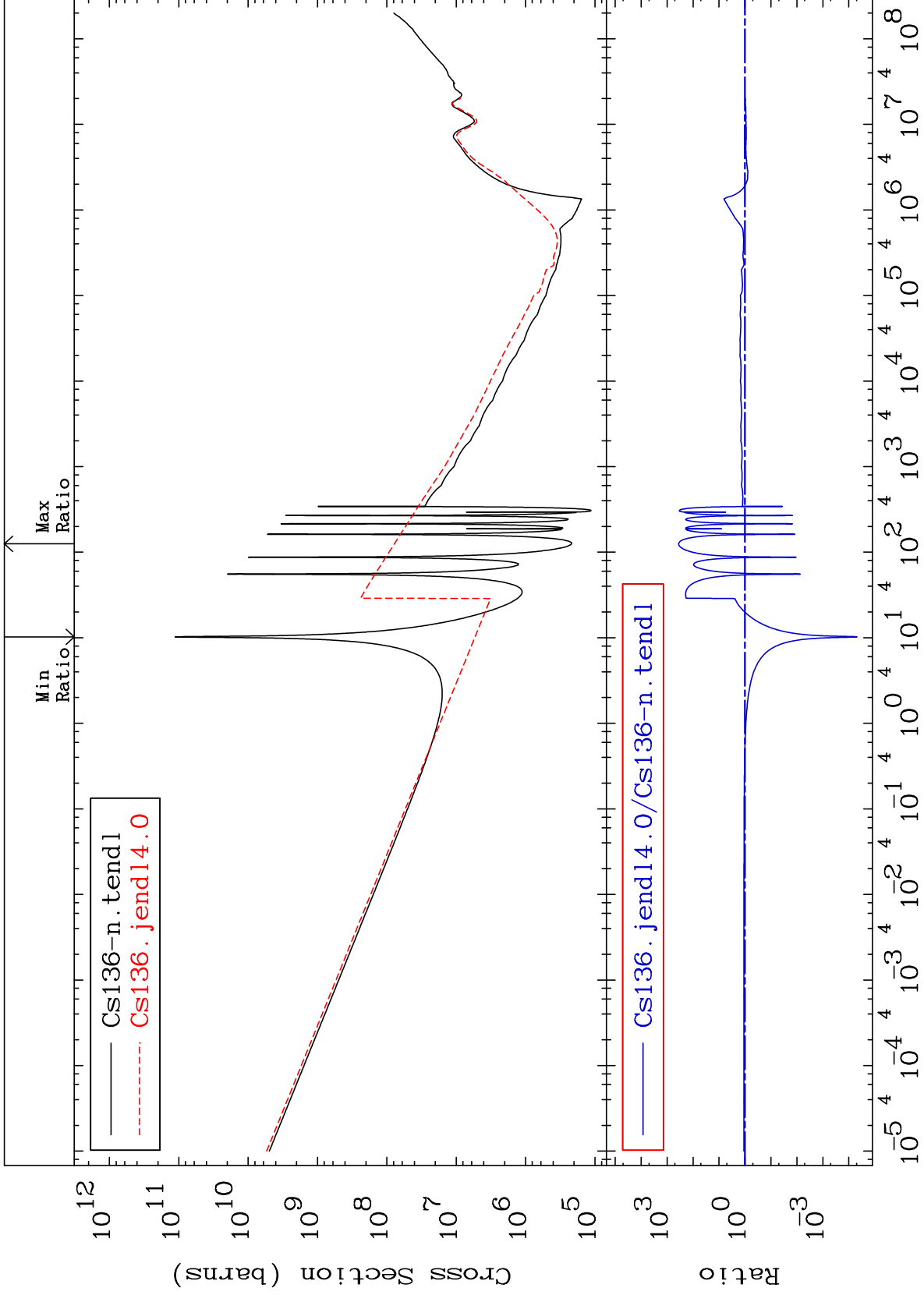
Incident Energy (eV)

55-Cs-136

MAT 5534

Total kinematic kerma (high limit)

55-Cs-136
-100.0 To 9999. %



40

55-Cs-136

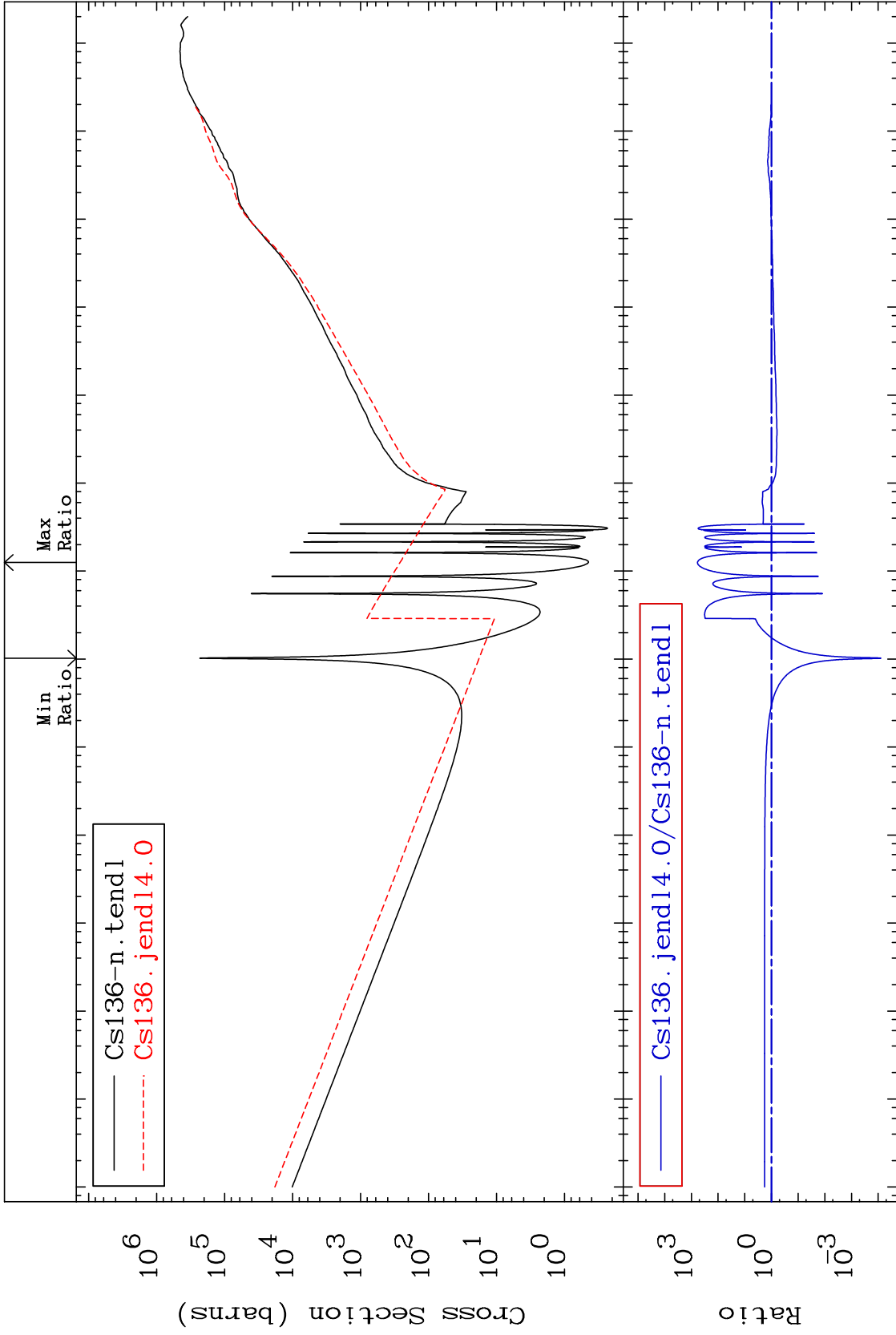
MAT 5534

Dpa total (eV-barns)

55-Cs-136

-99.99 To 9999. %

Cross Section



— Cs136-n.tendl
- - - Cs136.jendl4.0

— Cs136.jendl4.0/Cs136-n.tendl

41

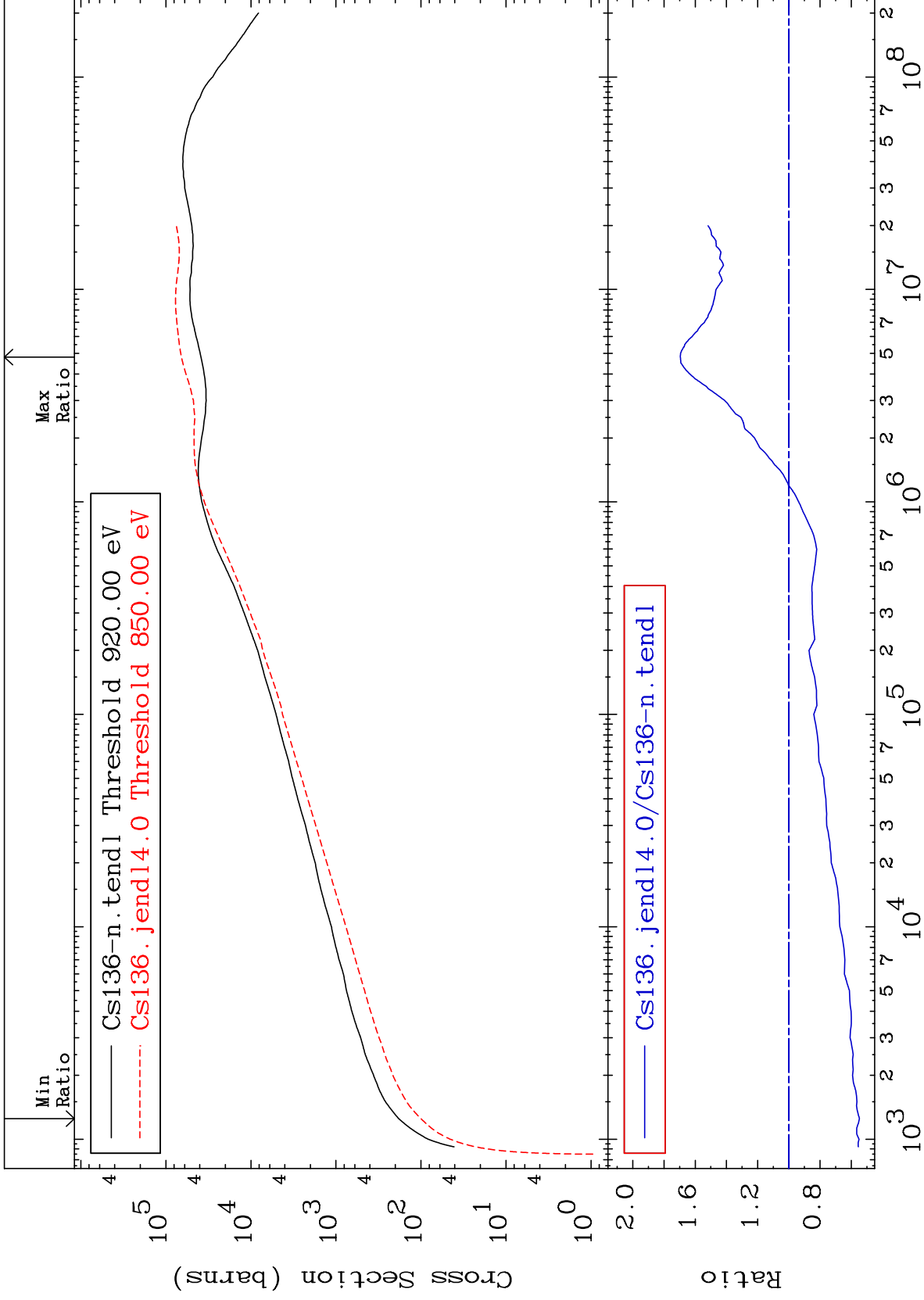
Incident Energy (eV)

55-Cs-136

MAT 5534

Dpa elastic (mt2)
Cross Section

55-Cs-136
-45.23 To 69.53 %



42

Incident Energy (eV)

55-Cs-136

