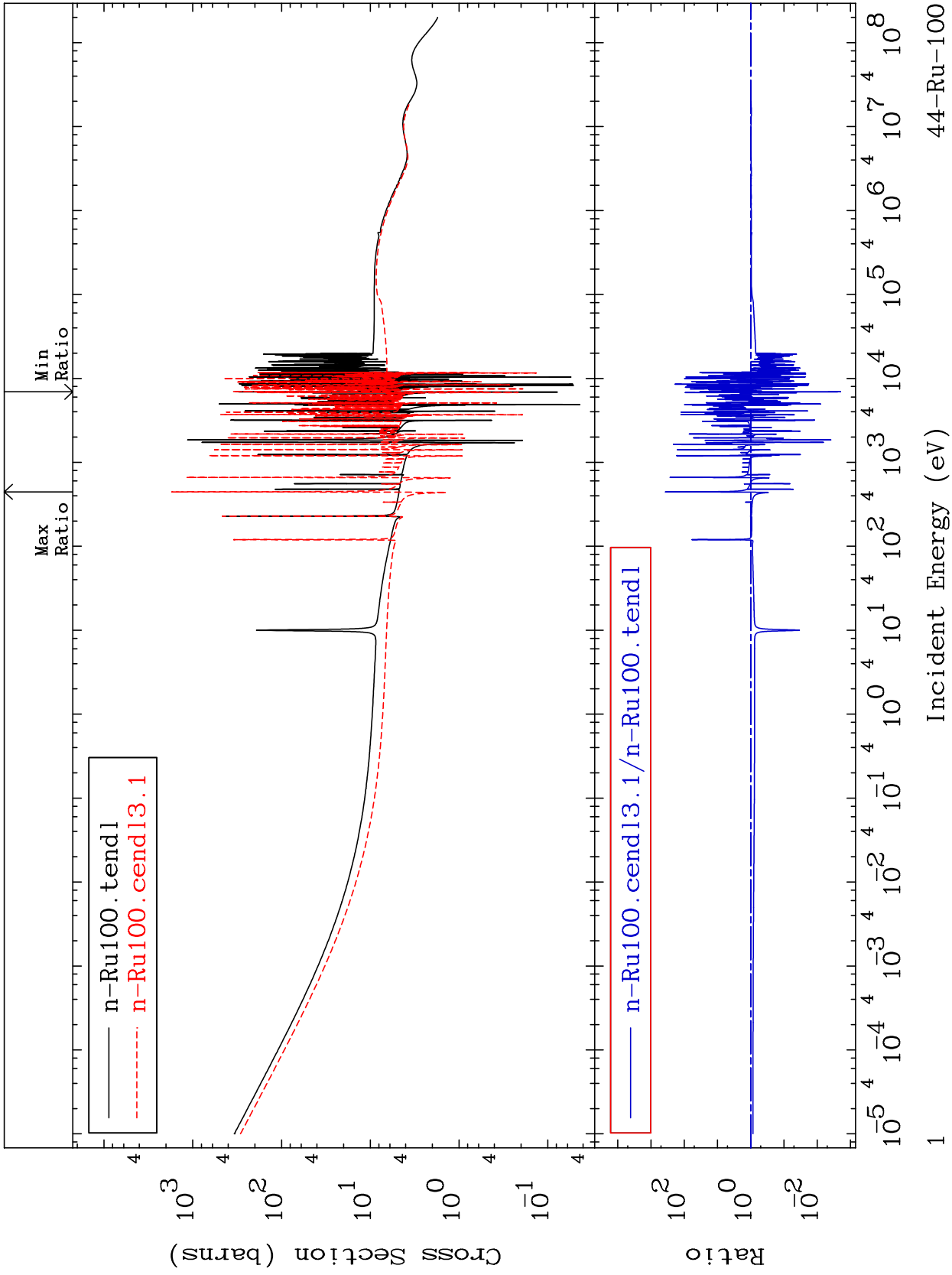


MAT 4437

Total Cross Section
44-Ru-100
-99.80 To 9999. %

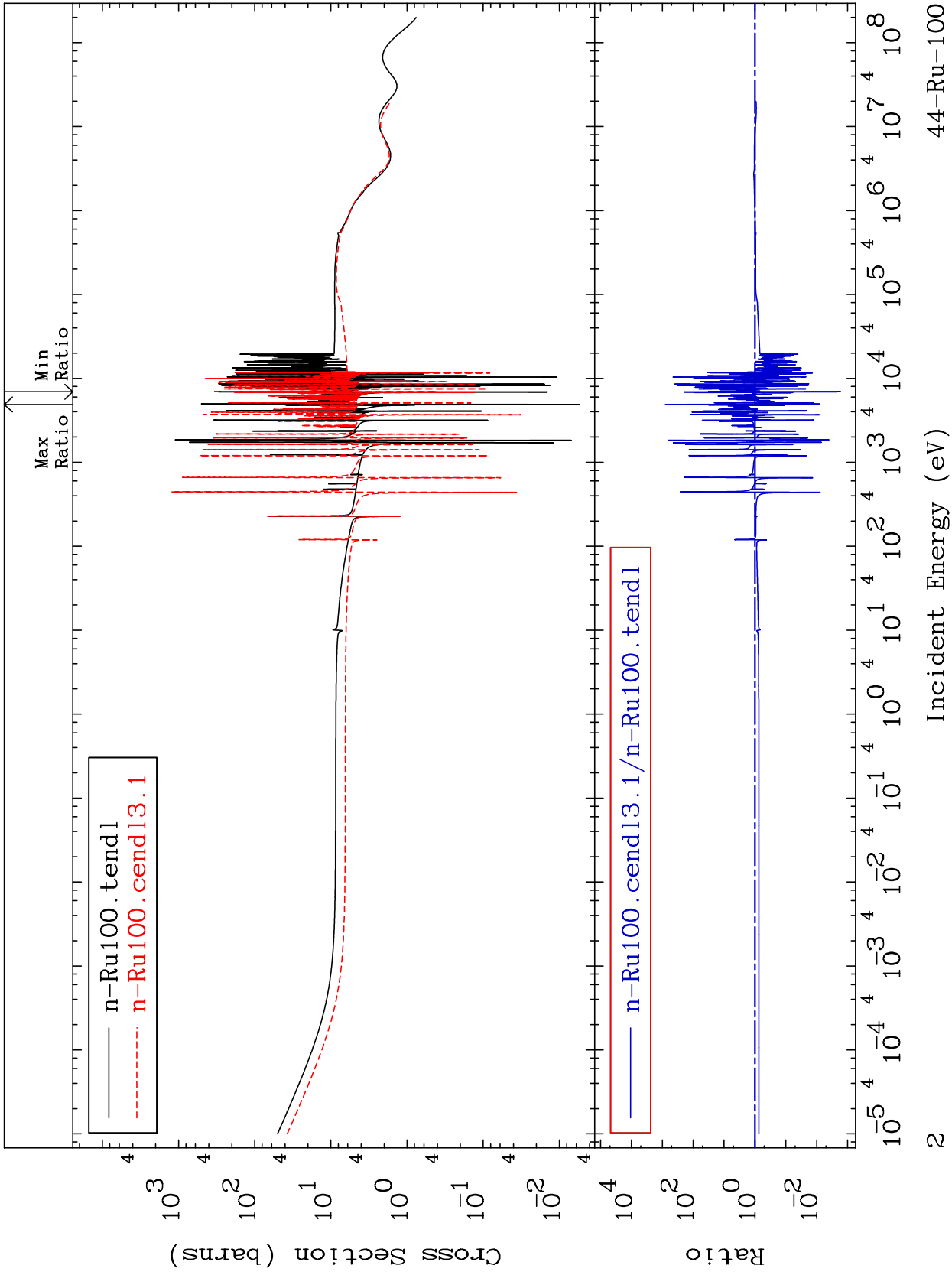


44-Ru-100

MAT 4437

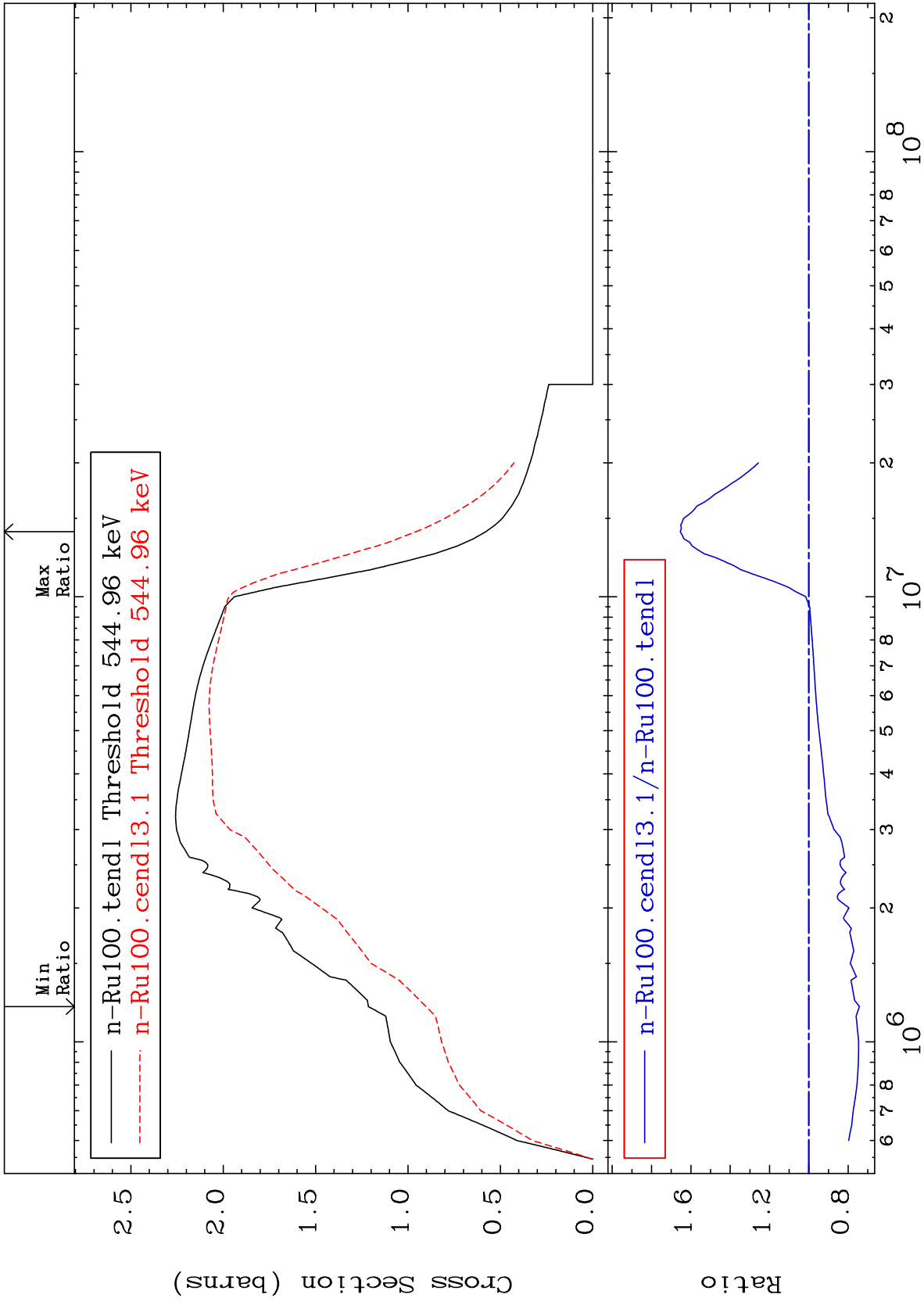
Elastic
Cross Section

44-Ru-100
-99.83 To 9999. %



MAT 4437

Inelastic Cross Section
44-Ru-100
-25.73 To 65.35 %



3

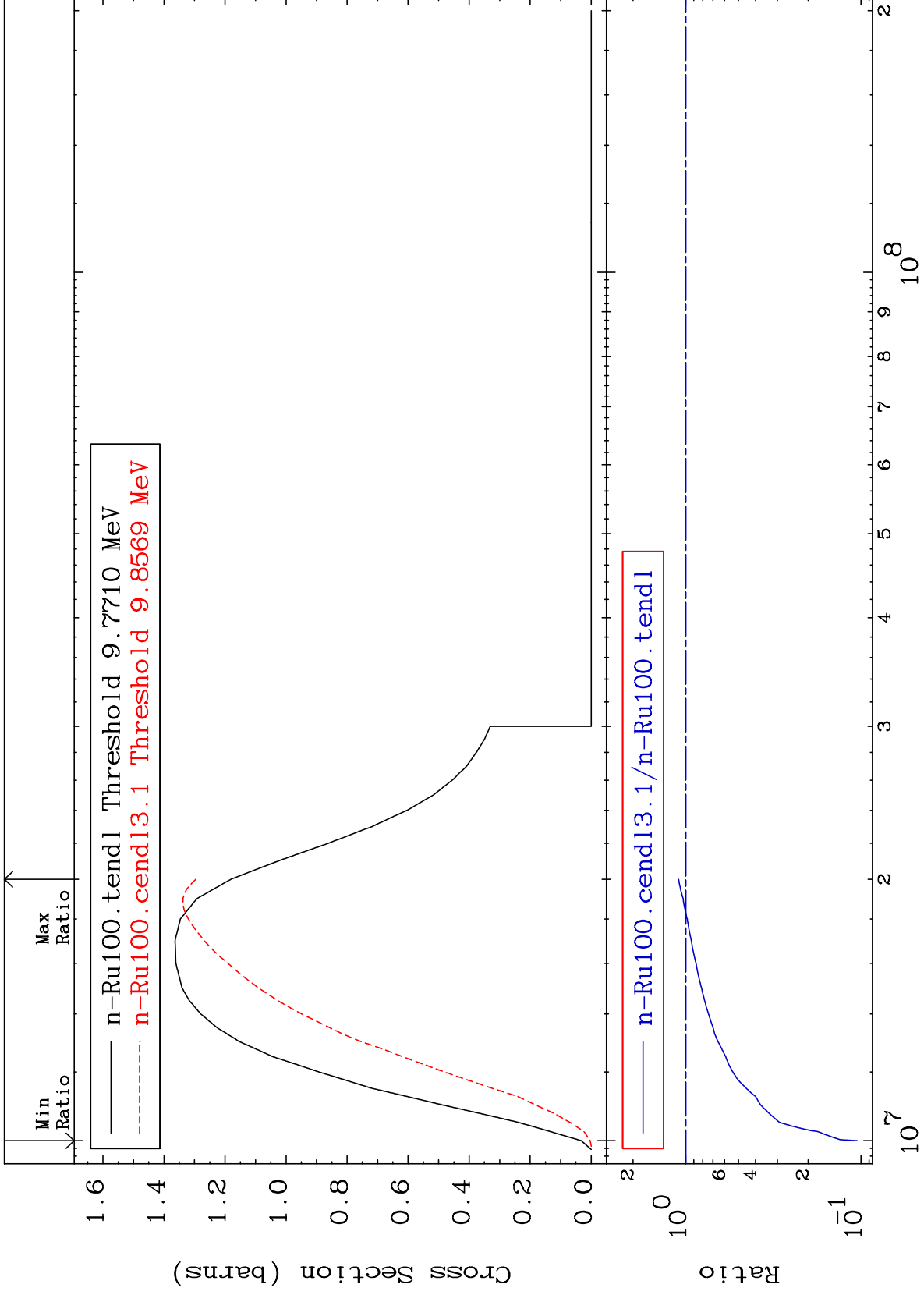
Incident Energy (eV)

44-Ru-100

MAT 4437

(n,2n)
Cross Section

44-Ru-100
-89.49 To 9.745 %



44-Ru-100

44-Ru-100

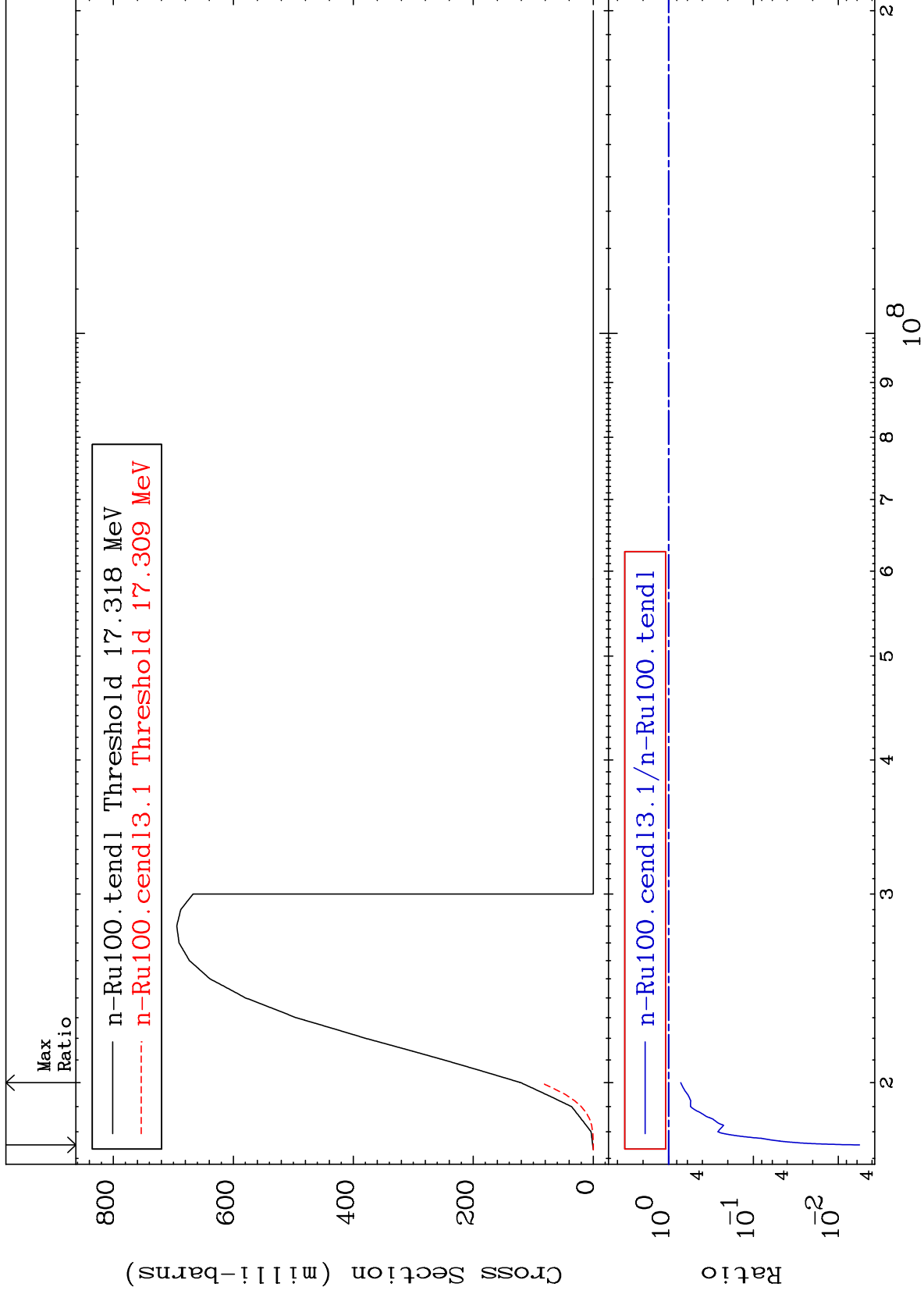
MAT 4437

(n,3n)

44-Ru-100

Cross Section

-99.44 To -28.22%

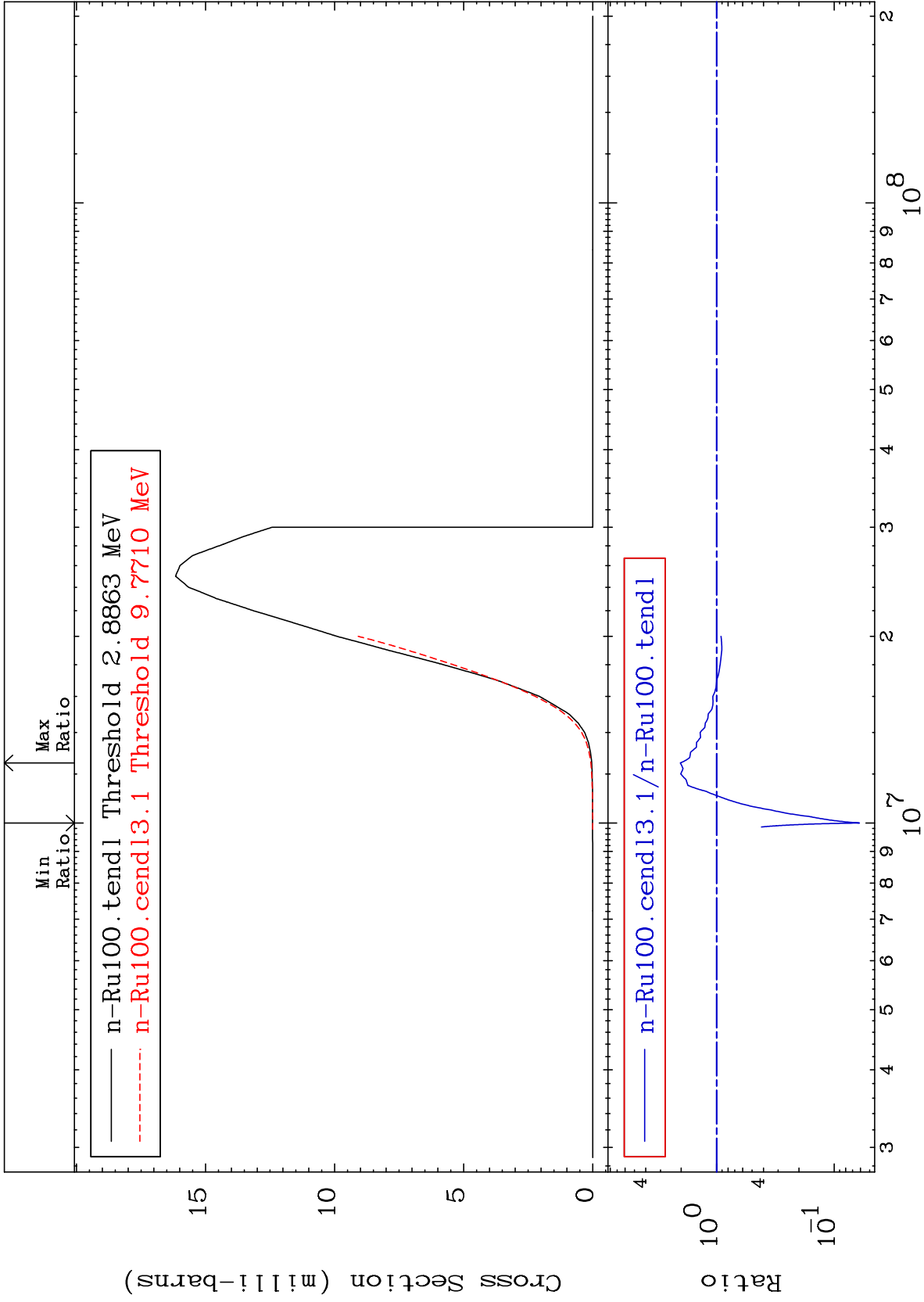


MAT 4437

(n, n') α
Cross Section

44-Ru-100

-93.89 To 103.2 %



6

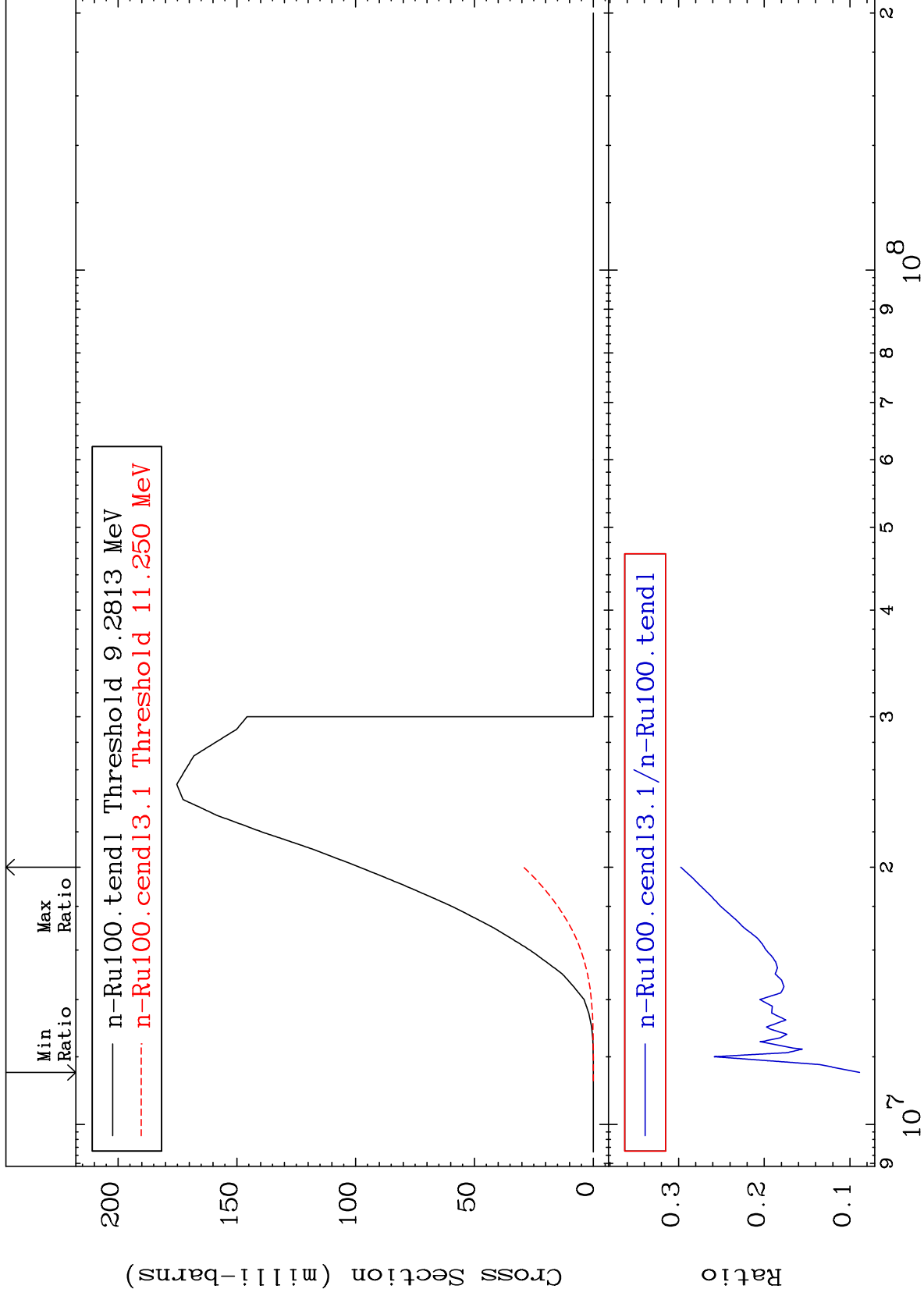
44-Ru-100

44-Ru-100

MAT 4437

(n,n') p
Cross Section

44-Ru-100
-91.12 To -70.25%



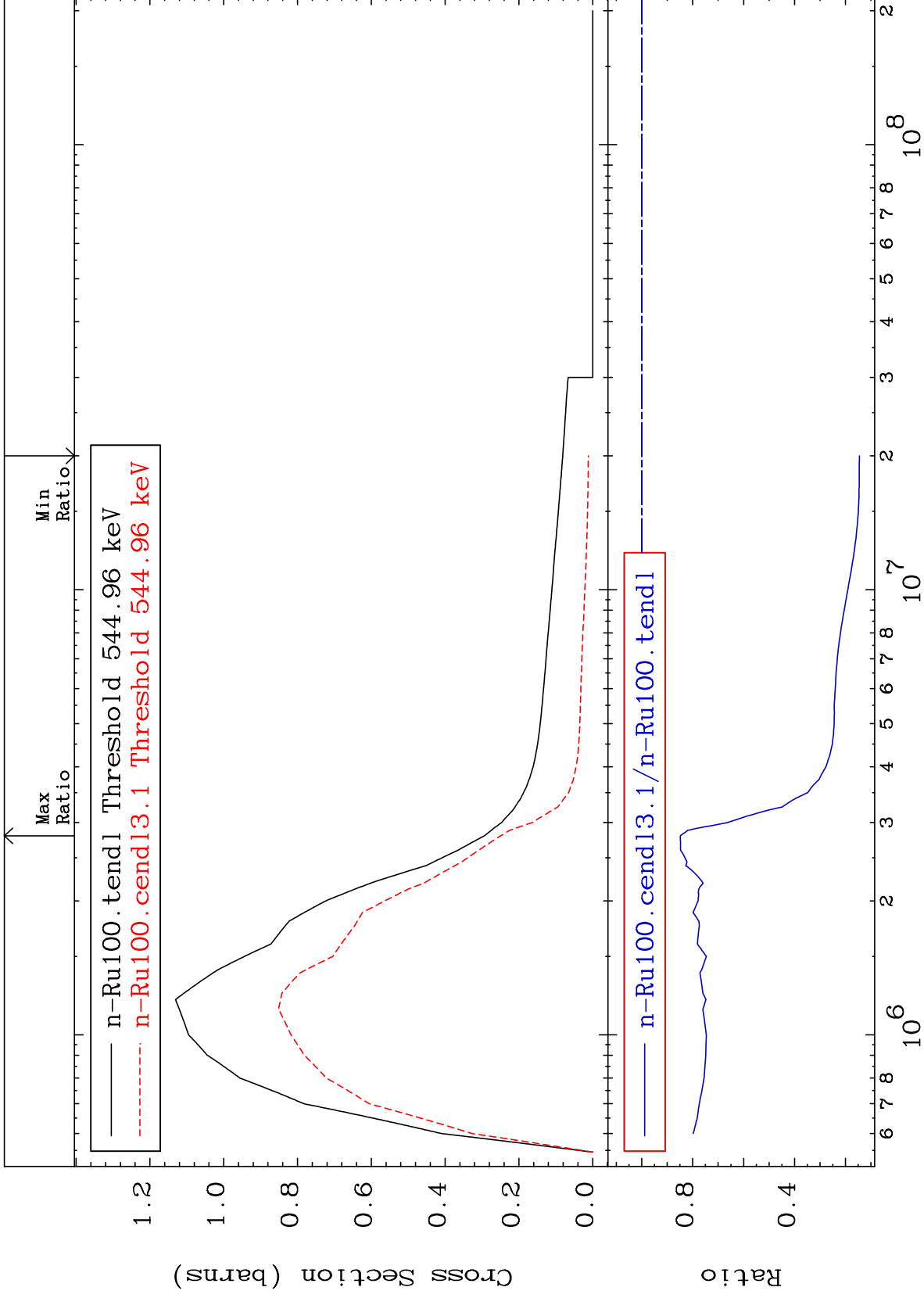
Incident Energy (eV)

44-Ru-100

MAT 4437

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

44-Ru-100
-85.47 To -15.16%



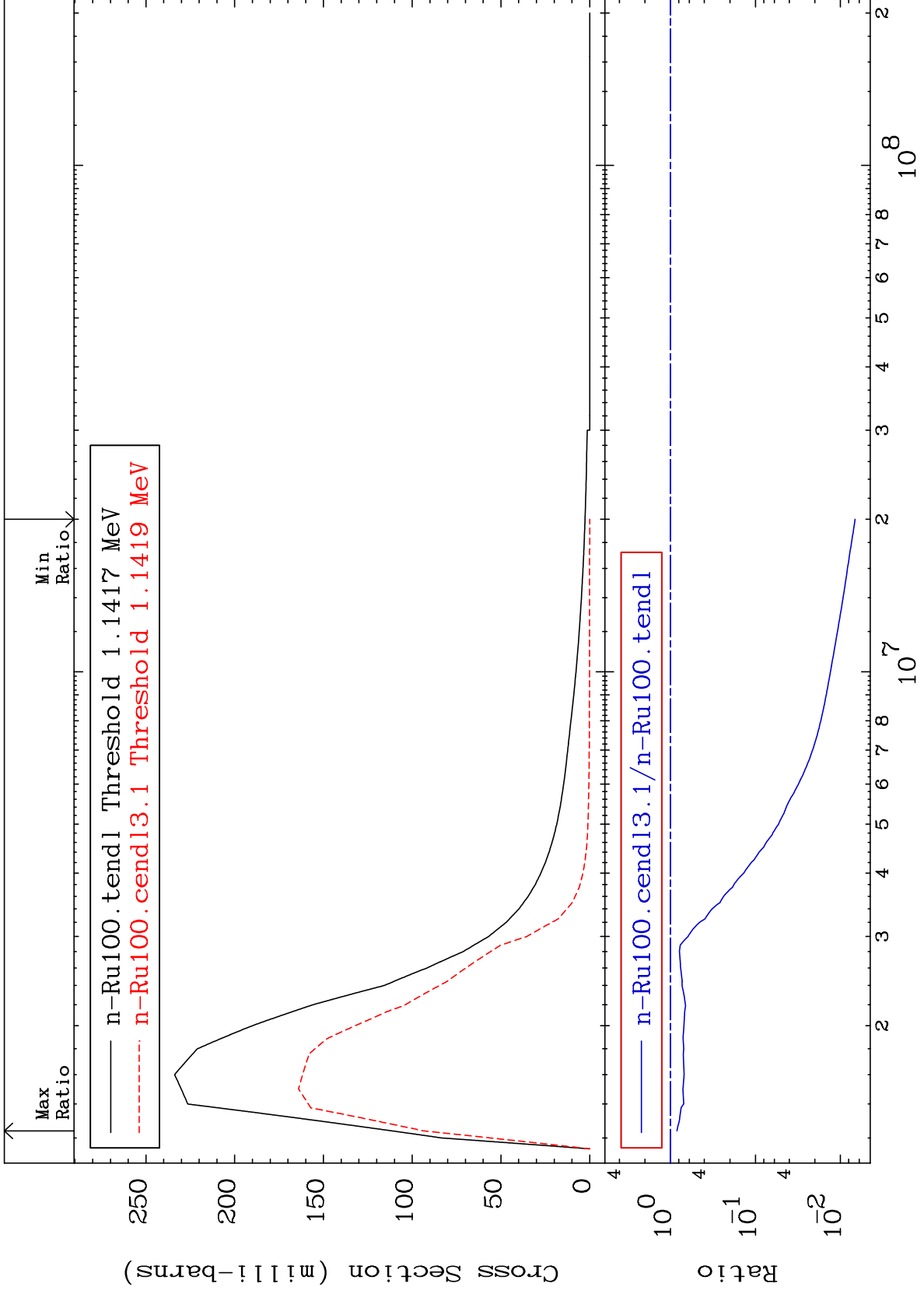
8

44-Ru-100

MAT 4437

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

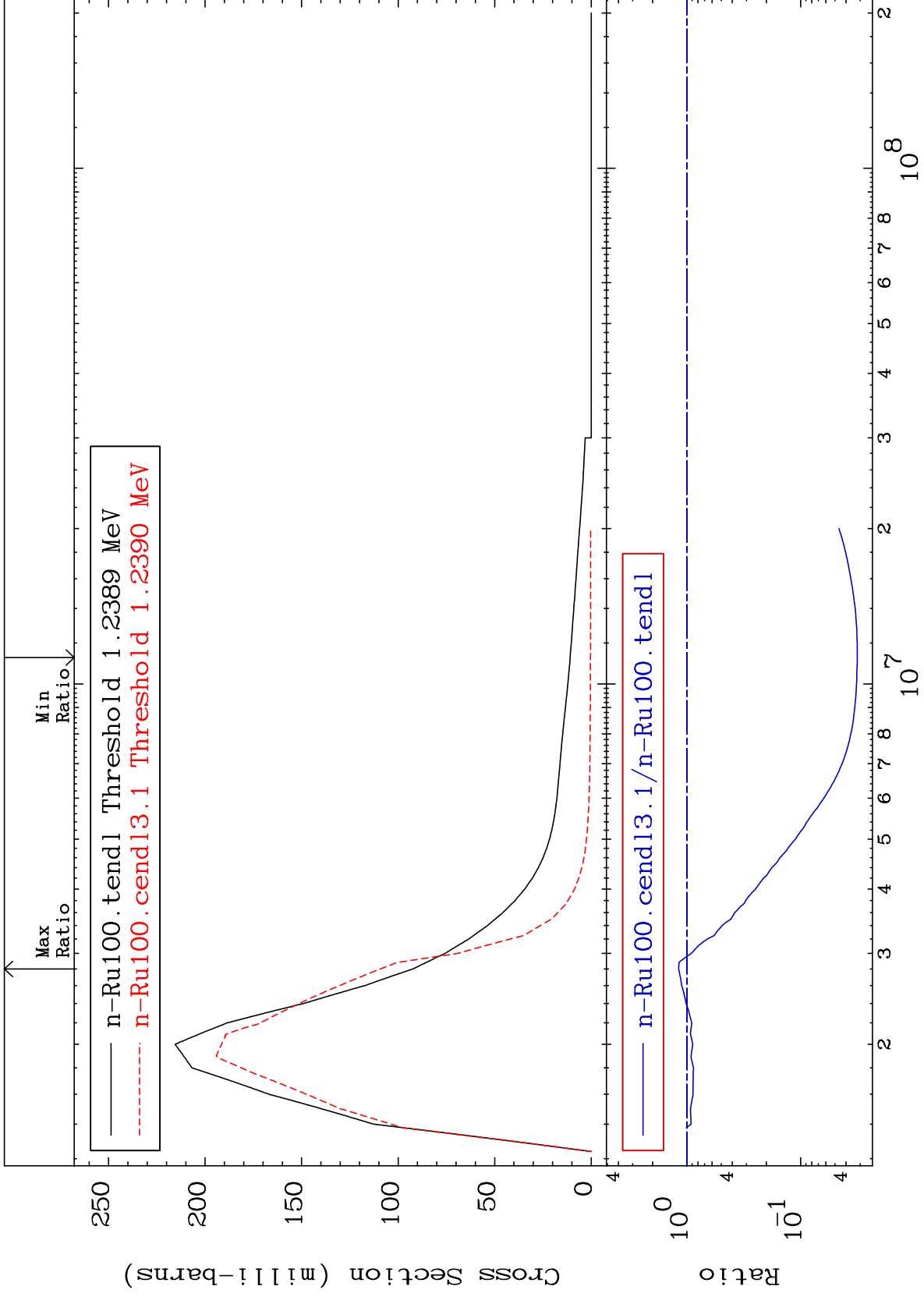
44-Ru-100
-99.33 To -15.97%



MAT 4437

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

44-Ru-100
-96.82 To 18.25 %



10

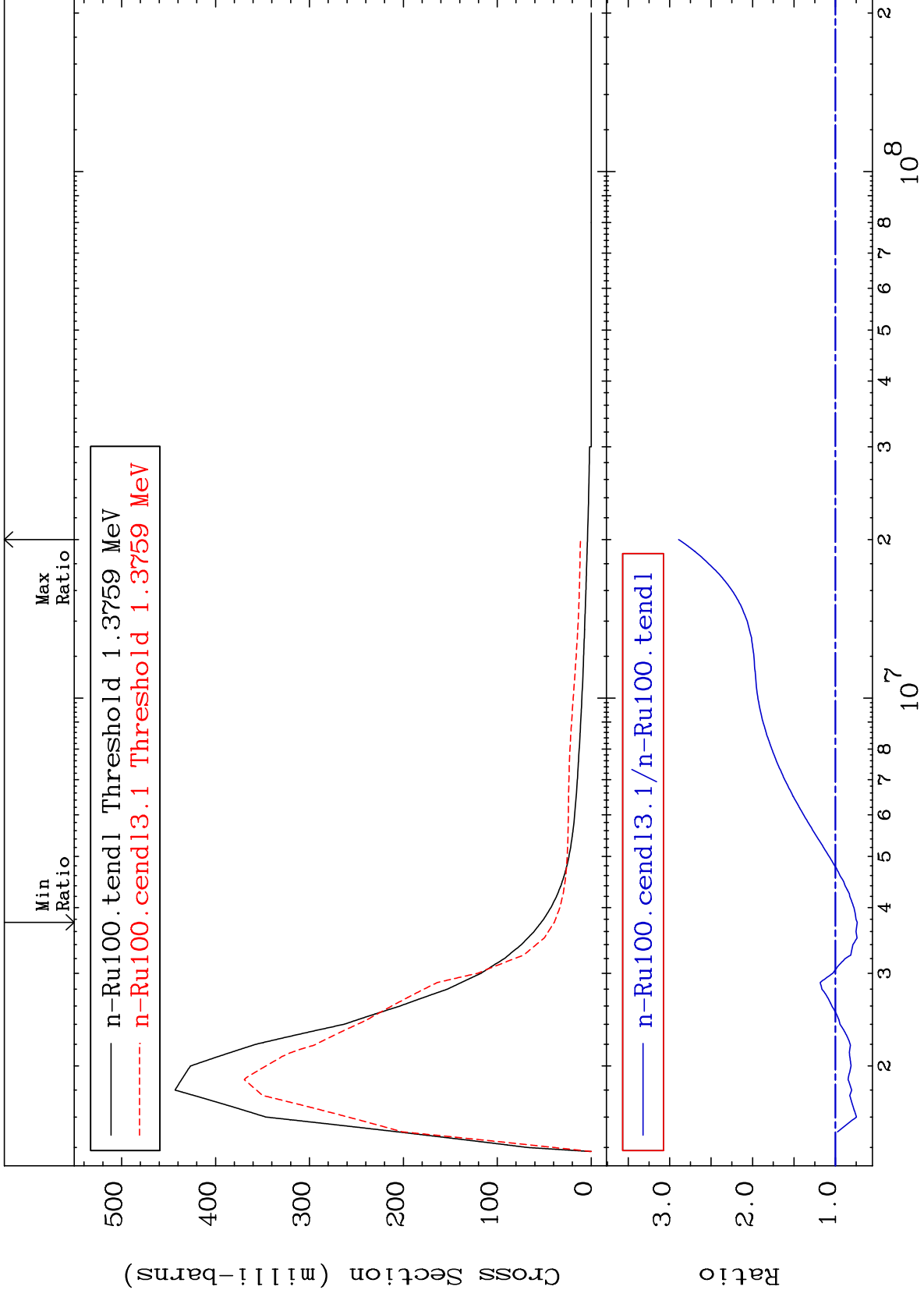
Incident Energy (eV)

44-Ru-100

MAT 4437

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

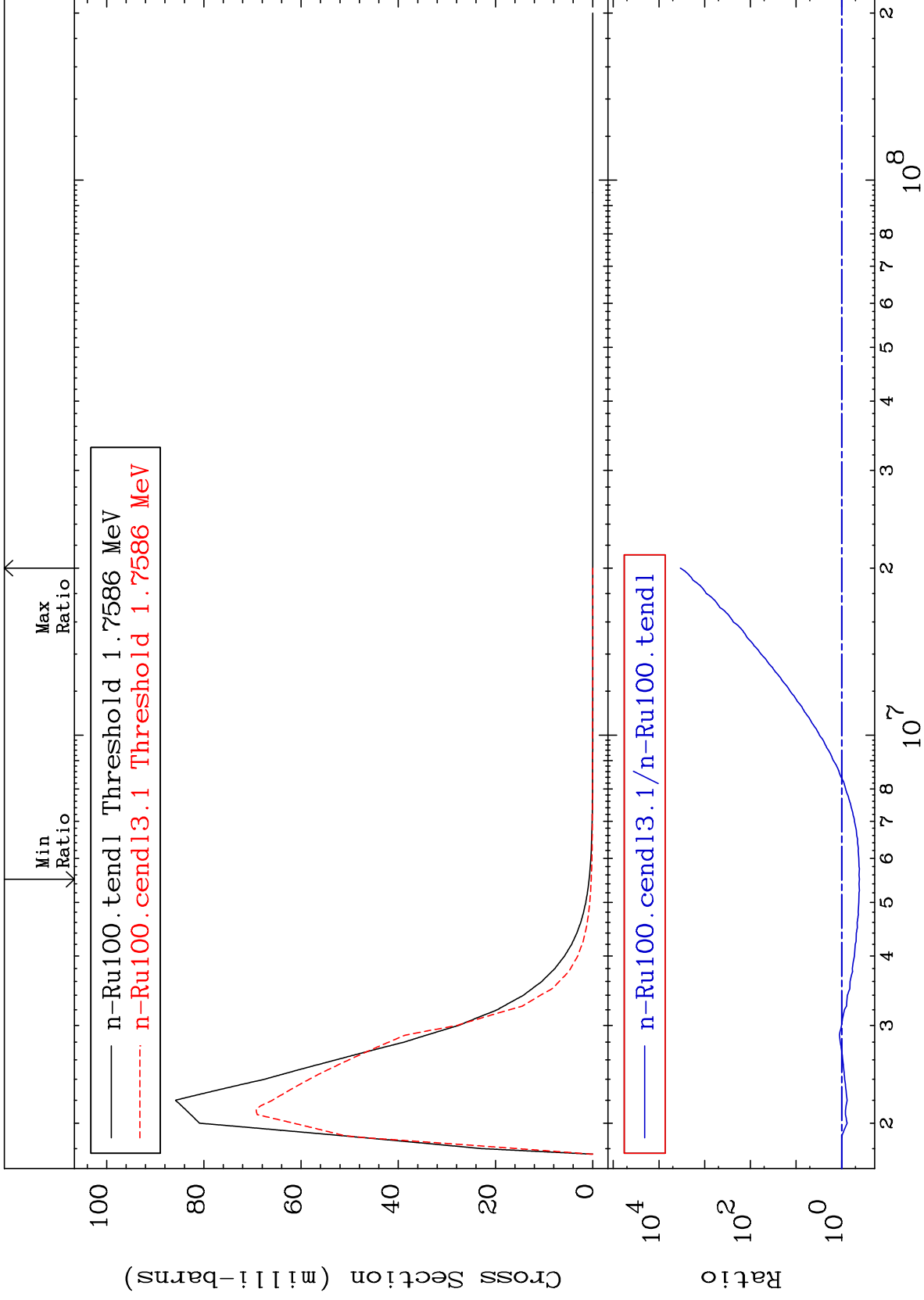
44-Ru-100
-26.27 To 189.2 %



MAT 4437

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

44-Ru-100
-58.87 To 9999. %



12

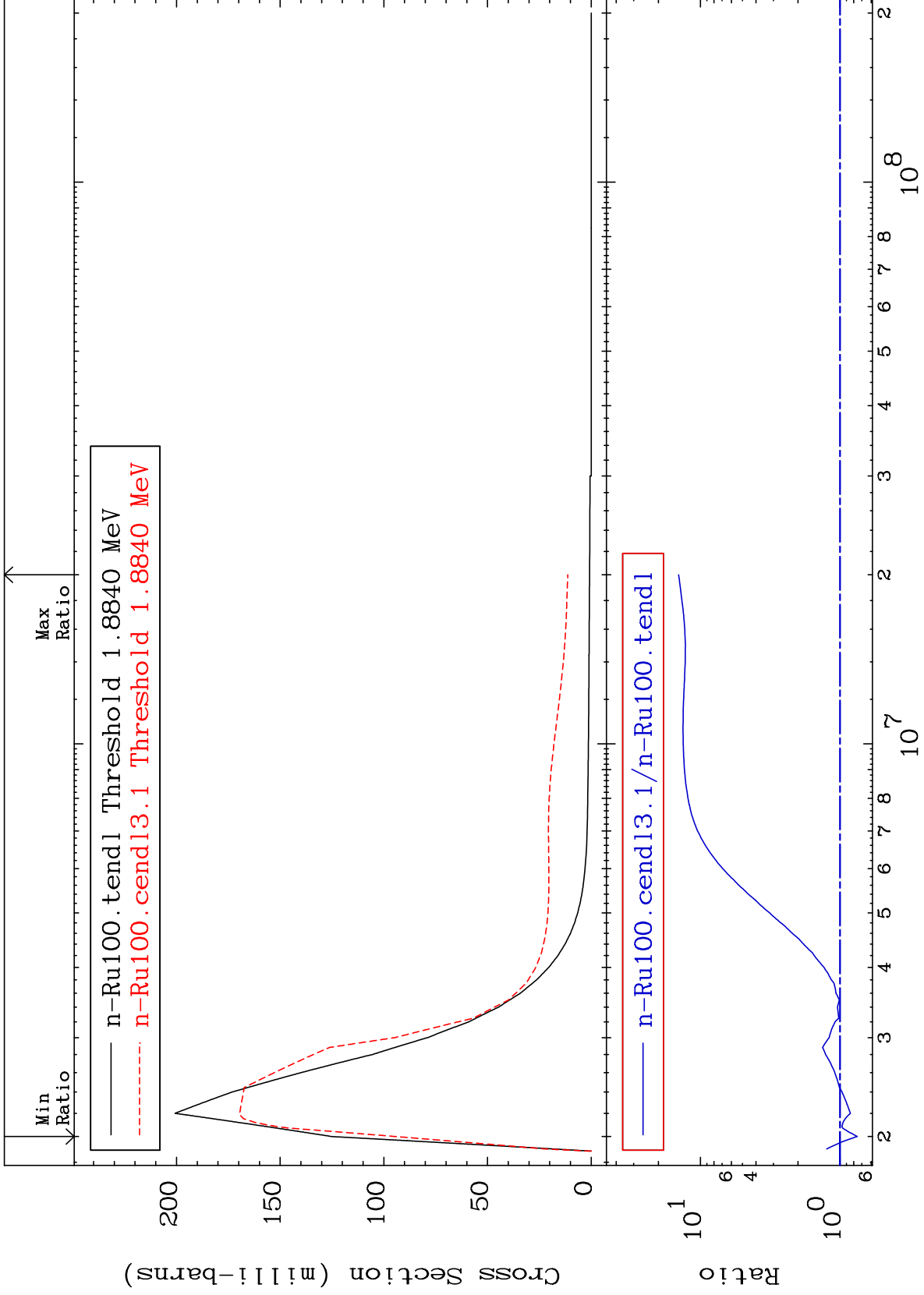
Incident Energy (eV)

44-Ru-100

MAT 4437

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

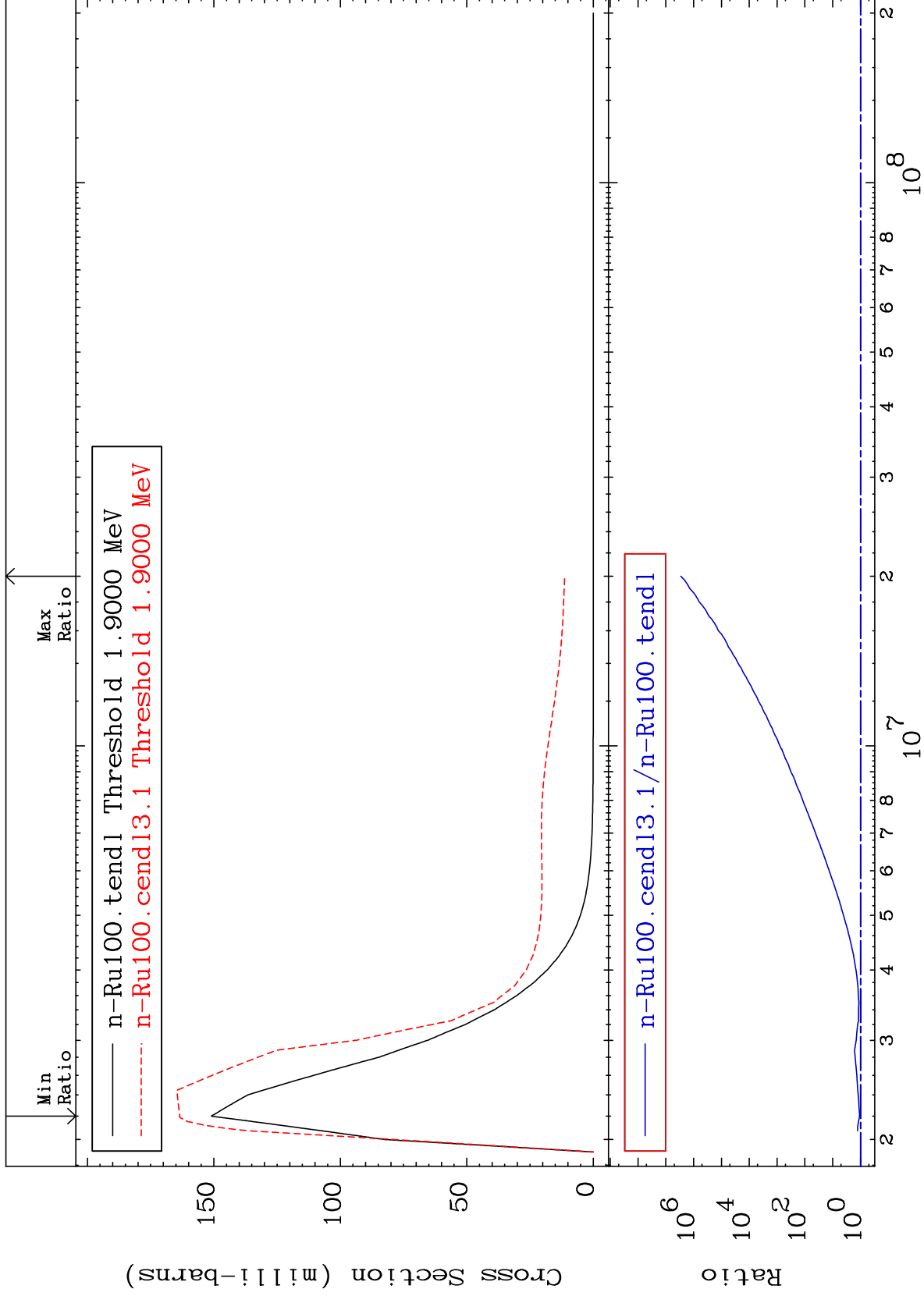
44-Ru-100
-24.64 To 1331. %



MAT 4437

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

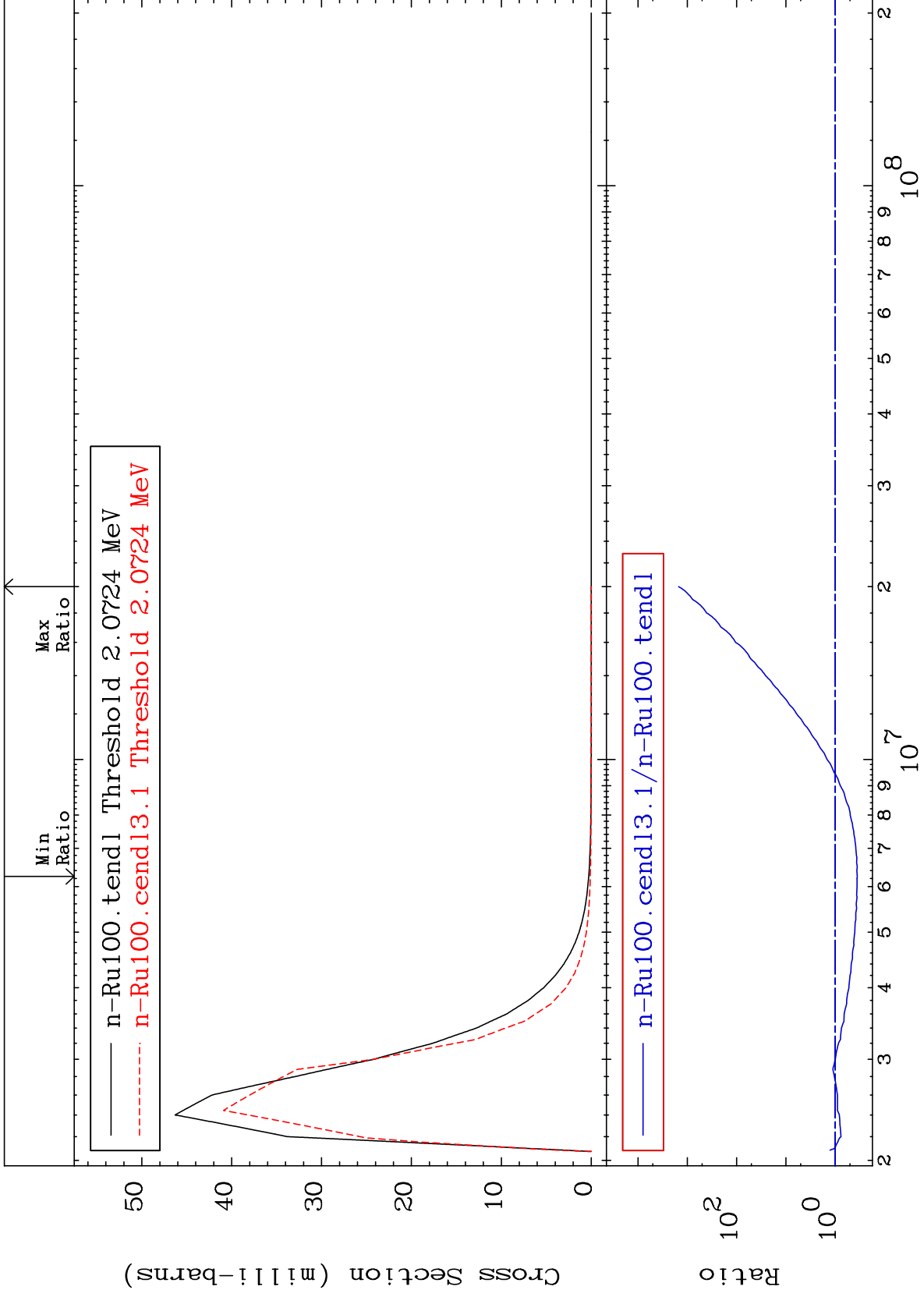
44-Ru-100
8.263 To 9999. %



MAT 4437

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

44-Ru-100
-64.28 To 9999. %



15

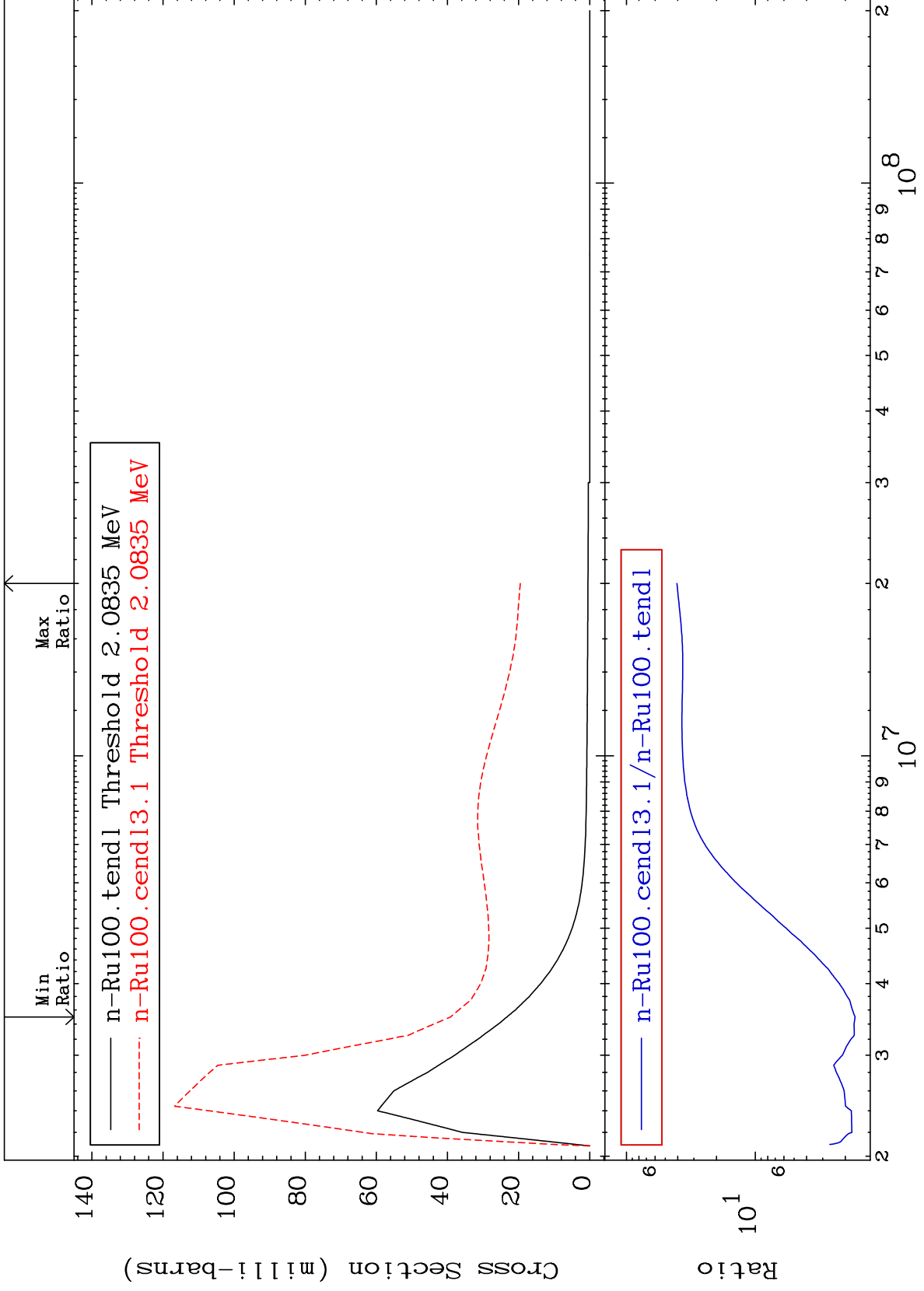
Incident Energy (eV)

44-Ru-100

MAT 4437

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

44-Ru-100
67.95 To 3956. %



16

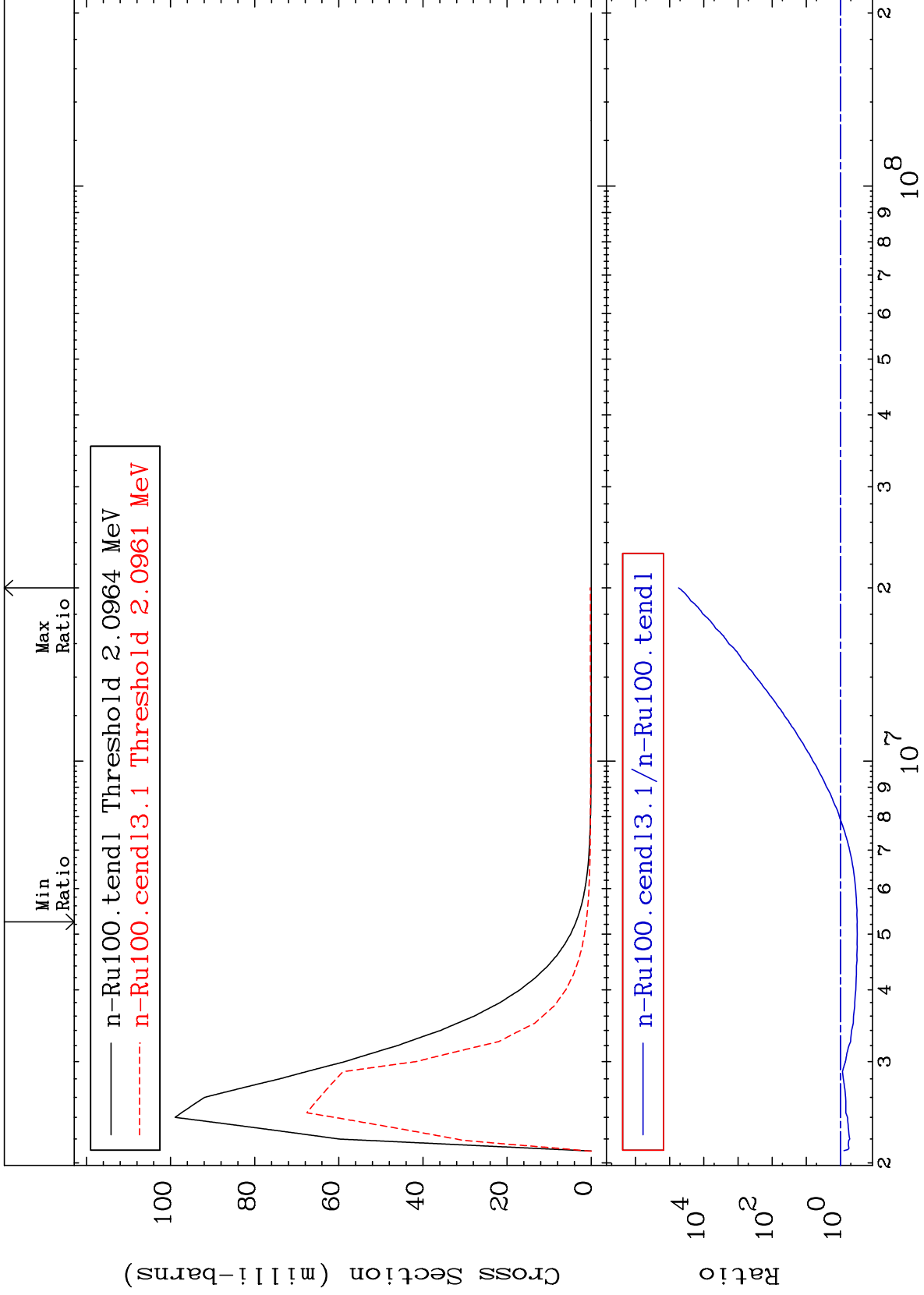
Incident Energy (eV)

44-Ru-100

MAT 4437

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

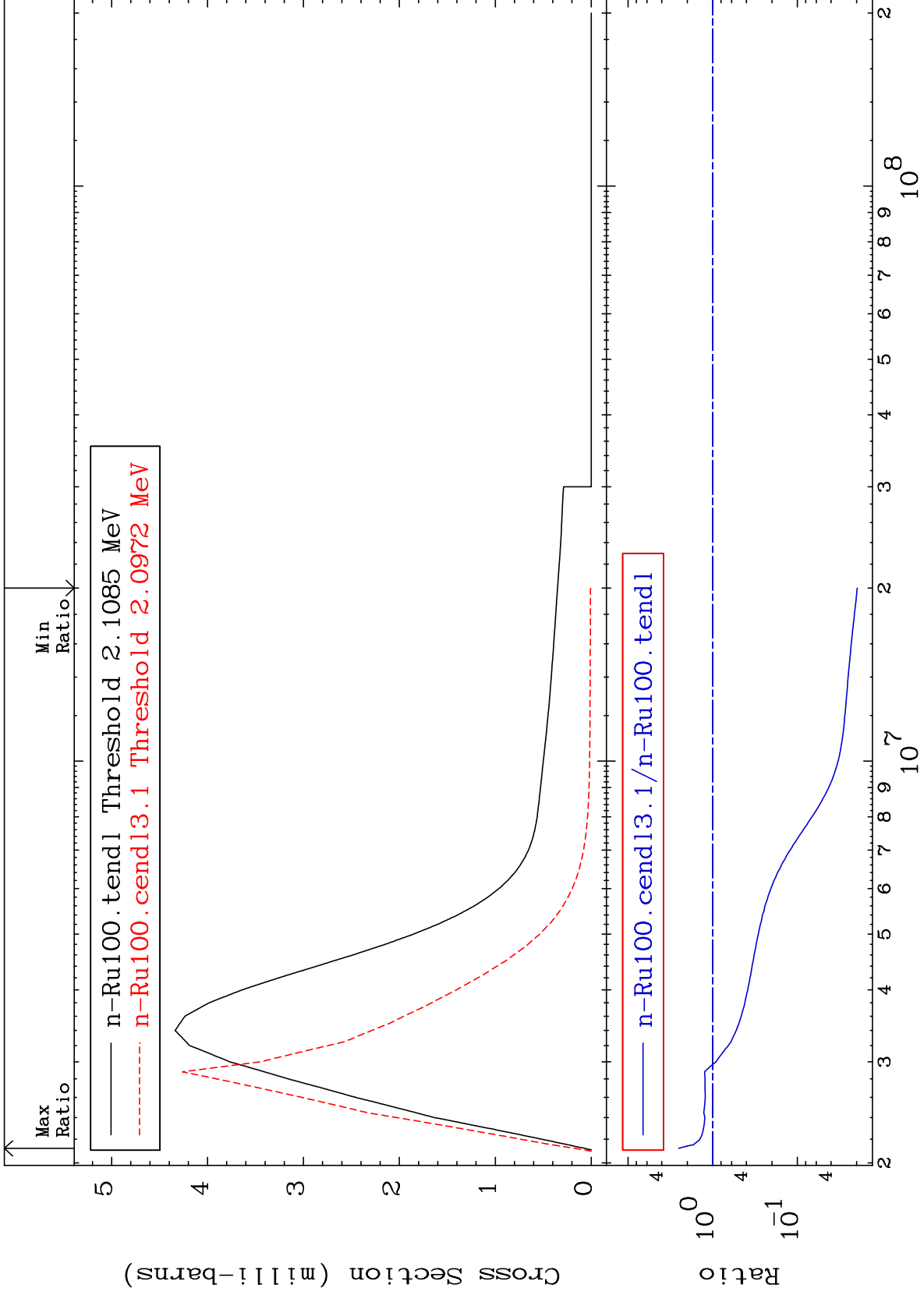
44-Ru-100
-67.83 To 9999. %



MAT 4437

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

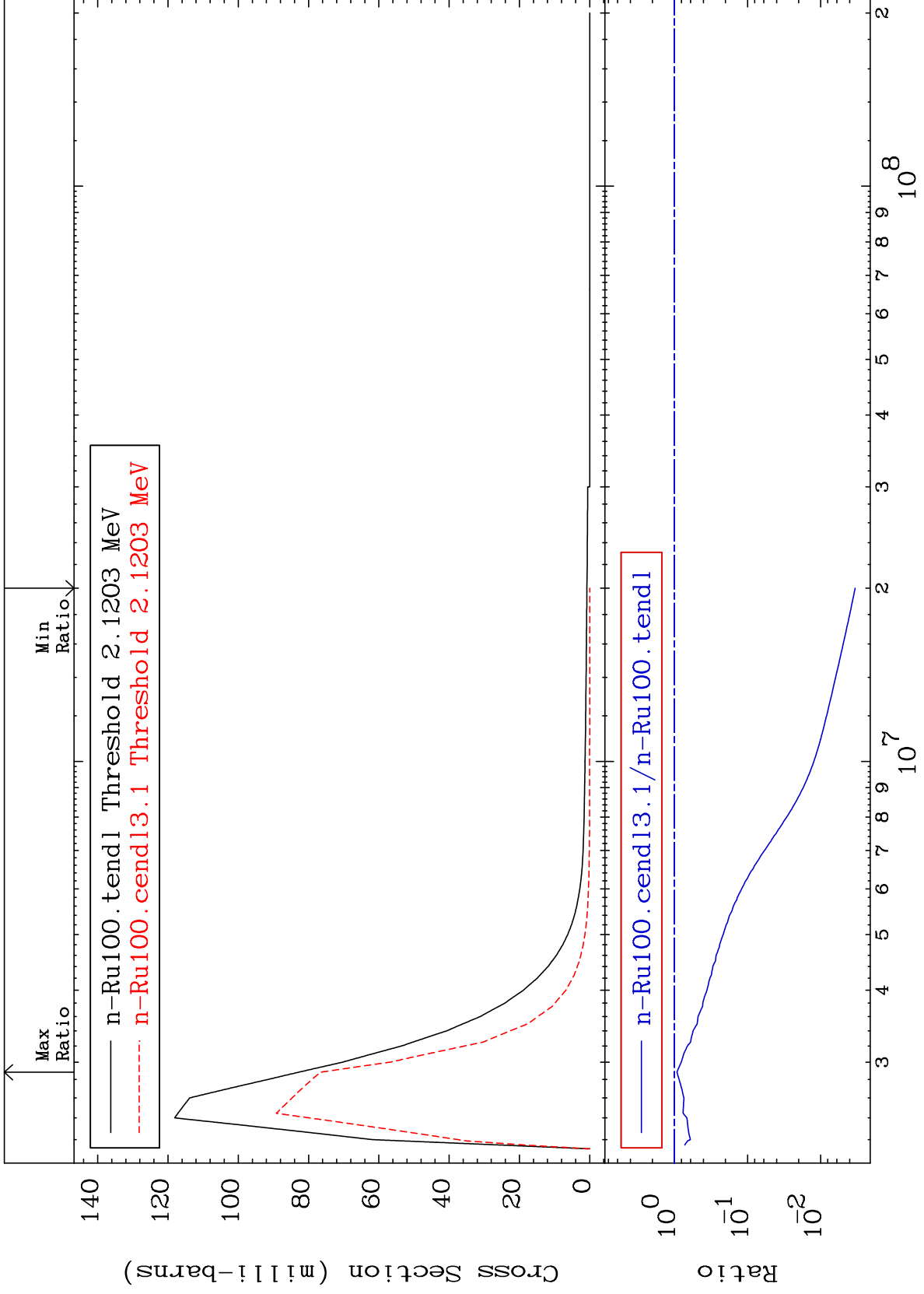
44-Ru-100
-98.04 To 153.0 %



MAT 4437

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

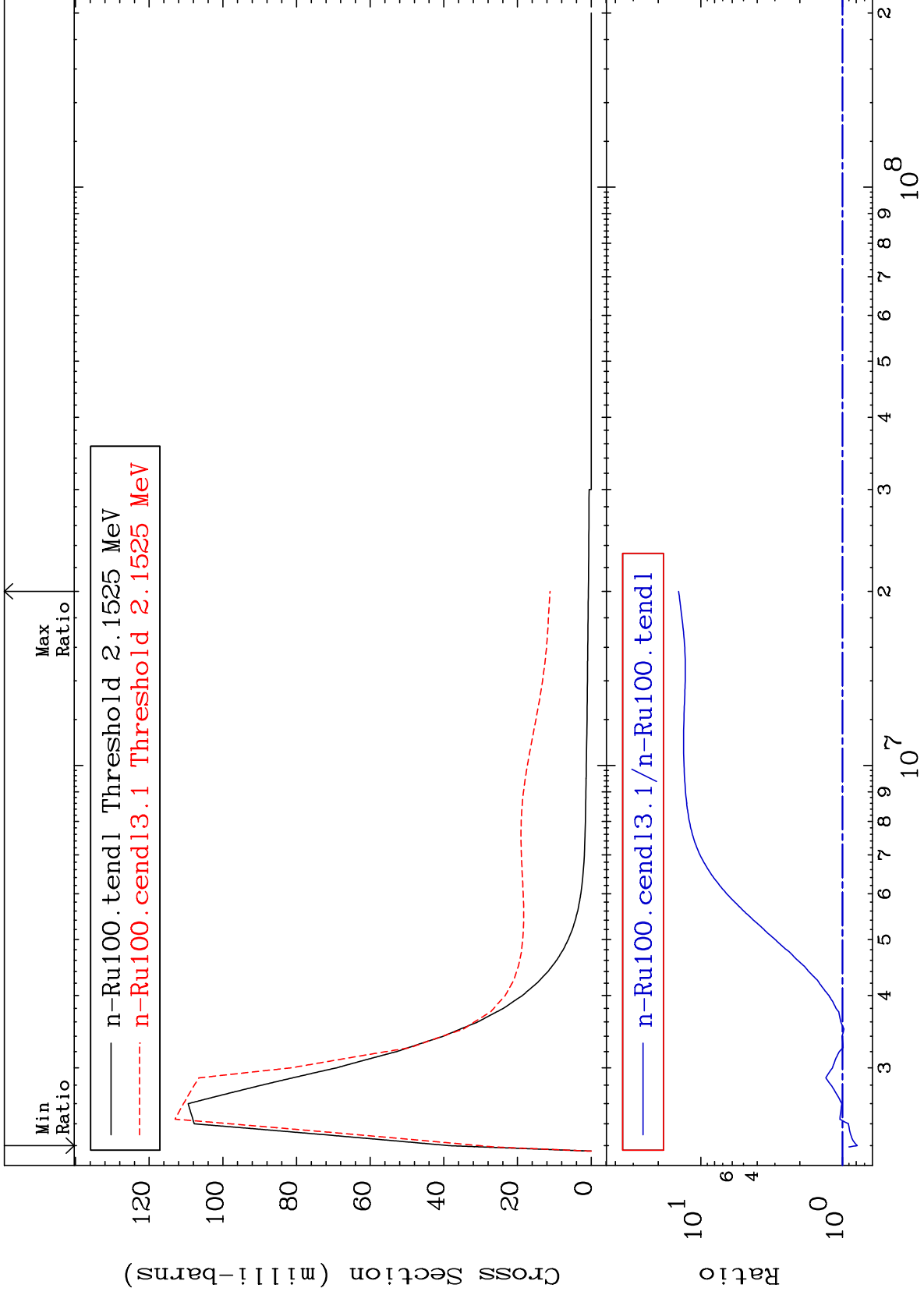
44-Ru-100
-99.66 To -7.463%



MAT 4437

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

44-Ru-100
-21.28 To 1333. %



20

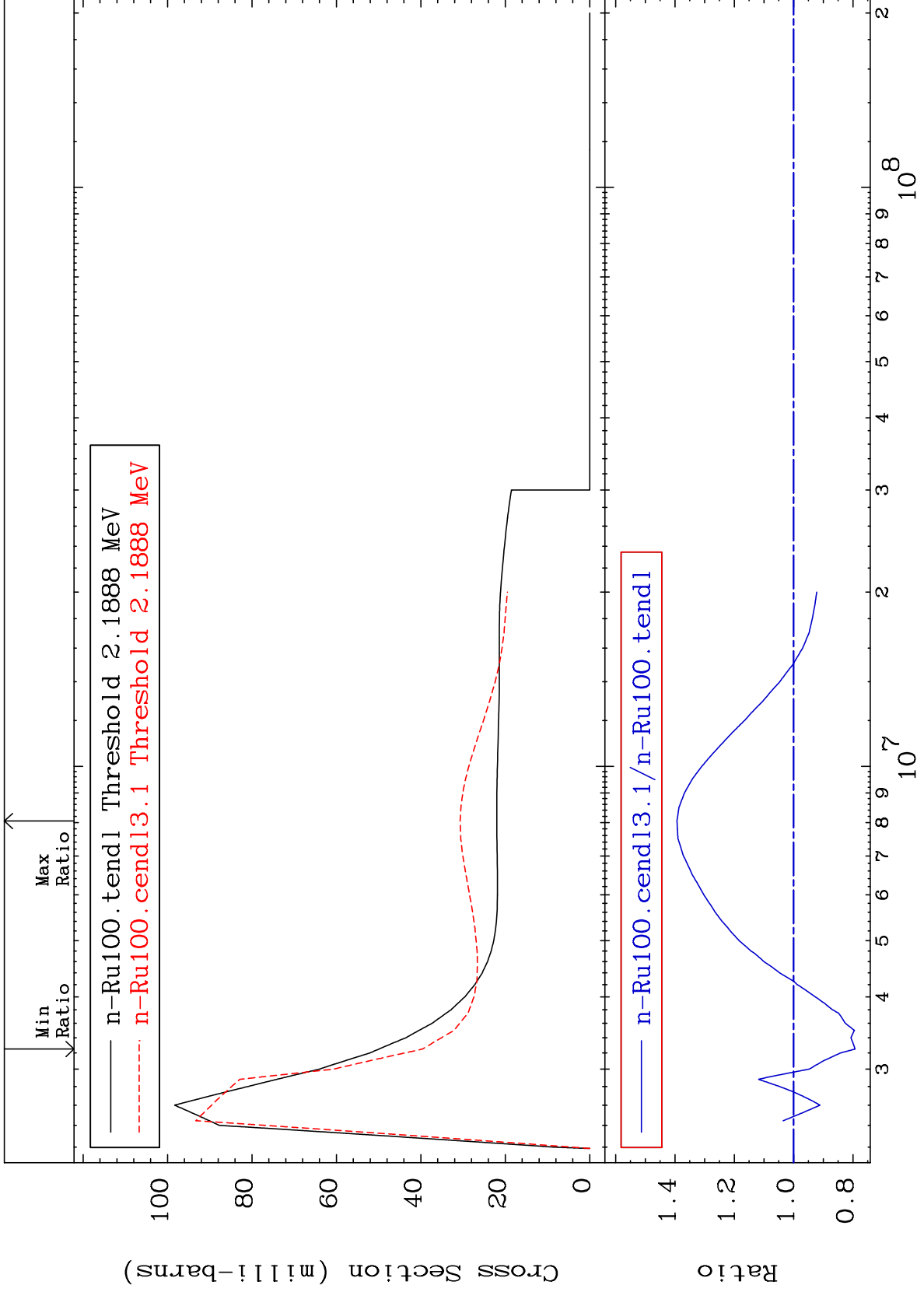
Incident Energy (eV)

44-Ru-100

MAT 4437

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

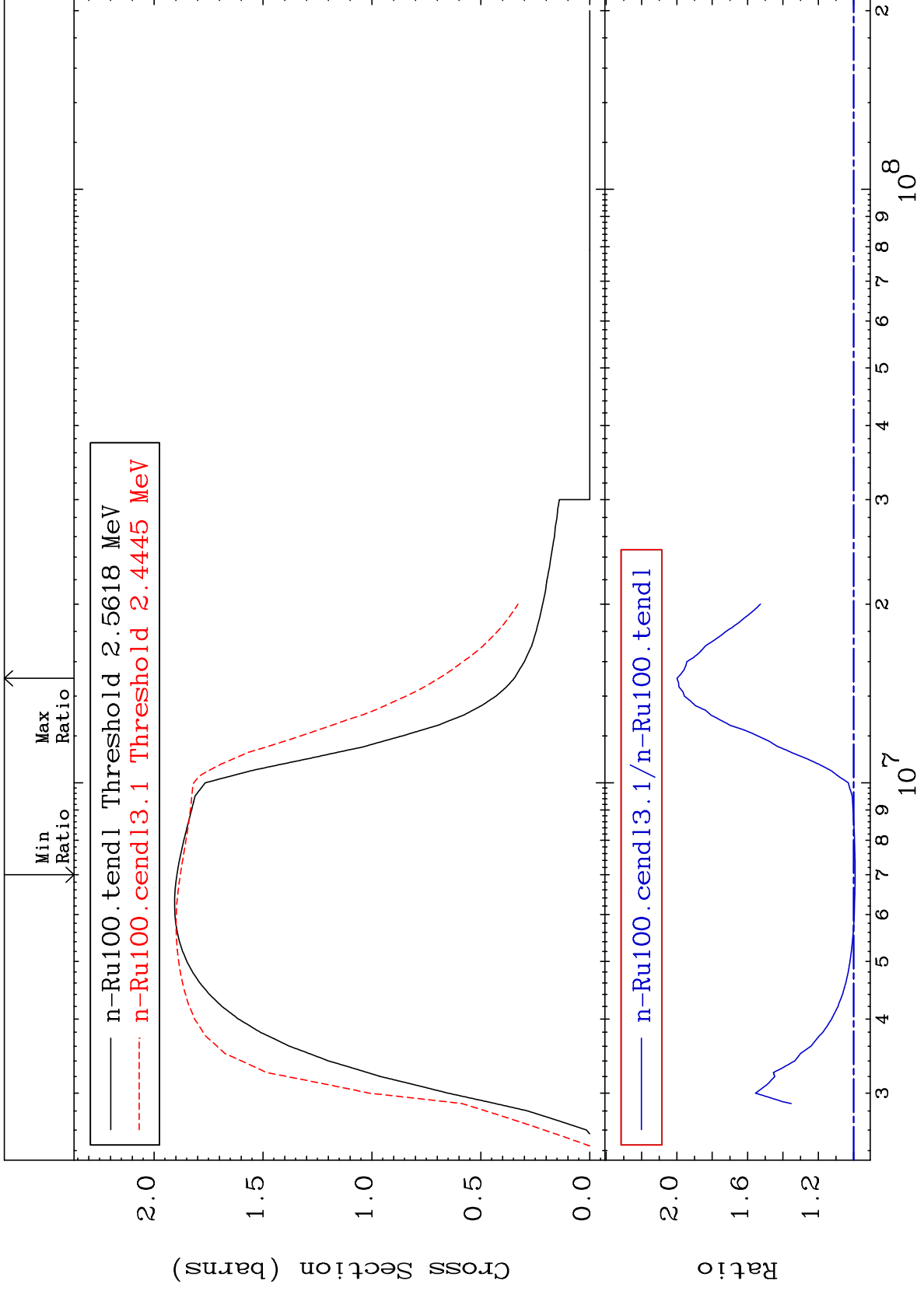
44-Ru-100
-20.73 To 39.34 %



MAT 4437

(n, n') Continuum
Cross Section

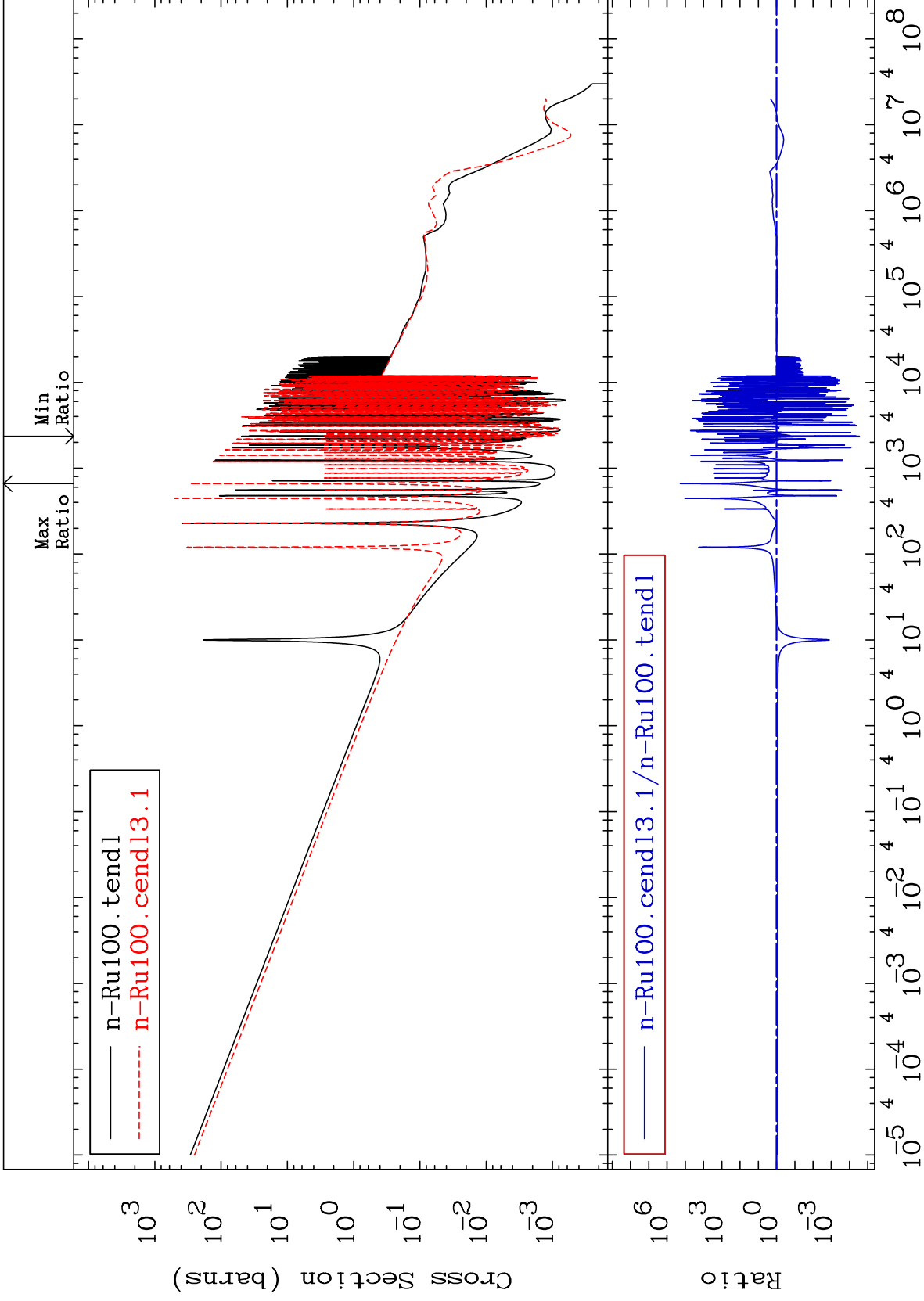
44-Ru-100
-0.835 To 99.98 %



MAT 4437

(n, γ)
Cross Section

44-Ru-100
-100.0 To 9999. %



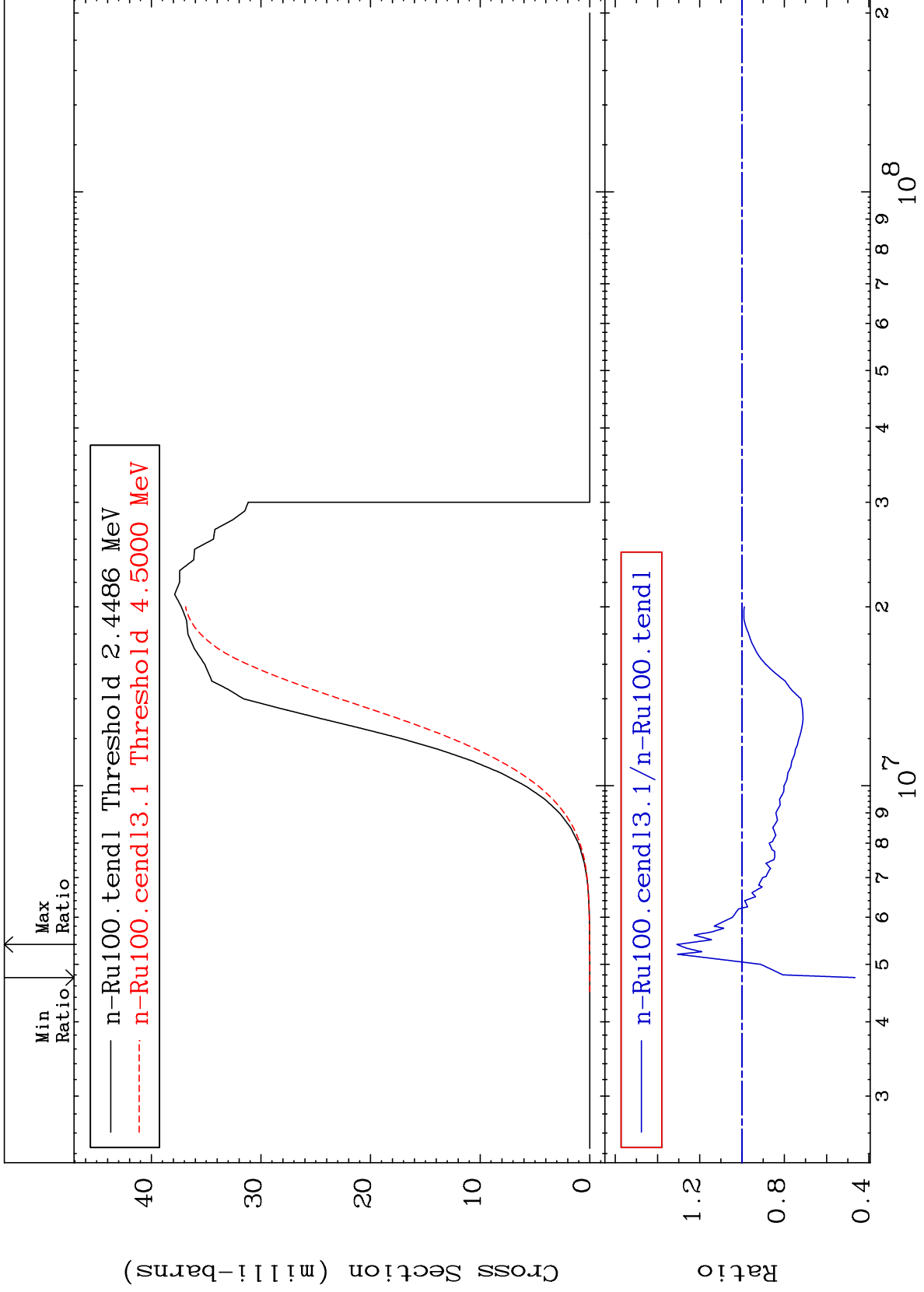
MAT 4437

(n, p)

44-Ru-100

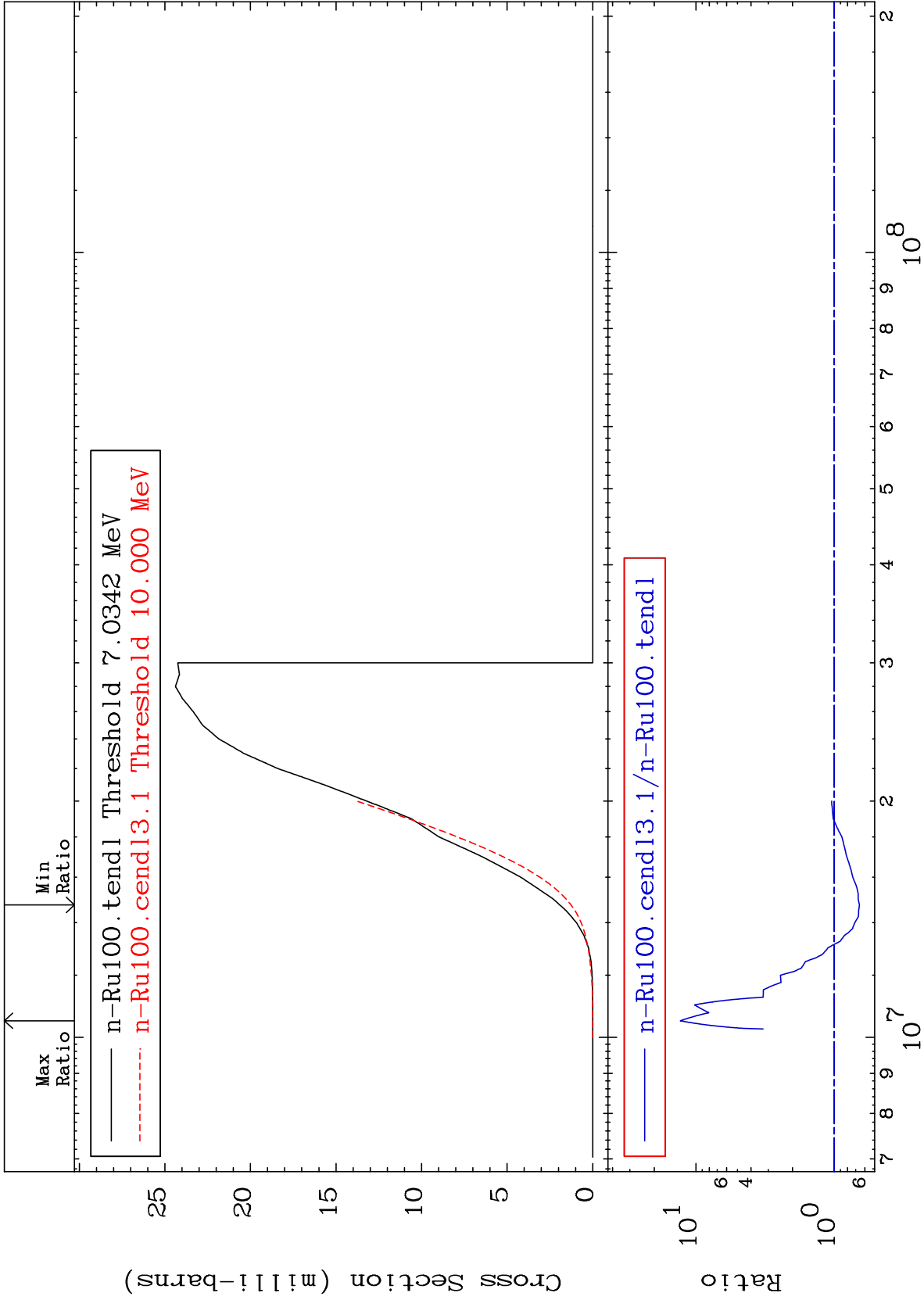
Cross Section

-53.48 To 30.82 %



Cross Section

-34.29 To 1195. %



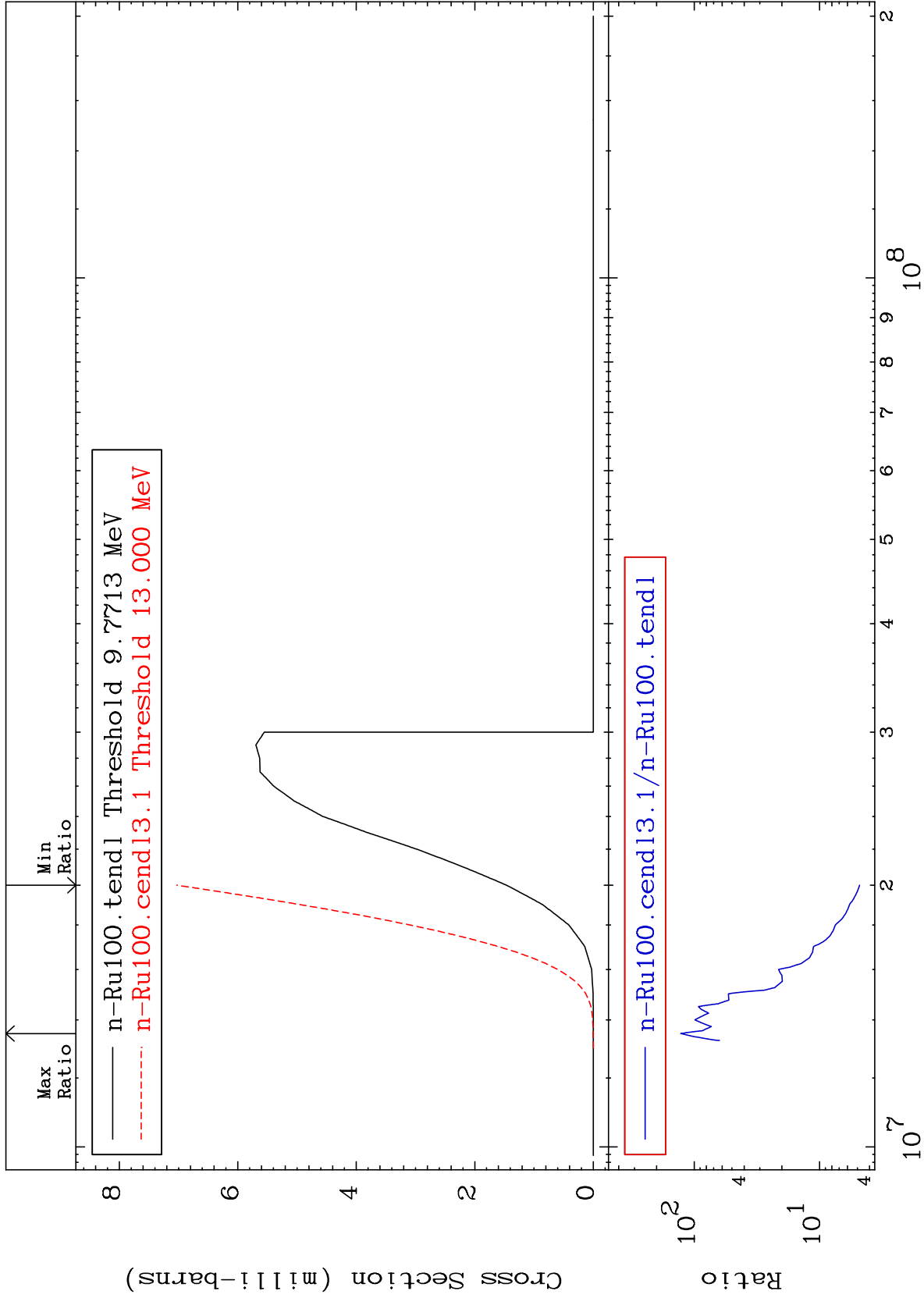
MAT 4437

(n, t)

44-Ru-100

Cross Section

380.5 To 9999. %



26

Incident Energy (eV)

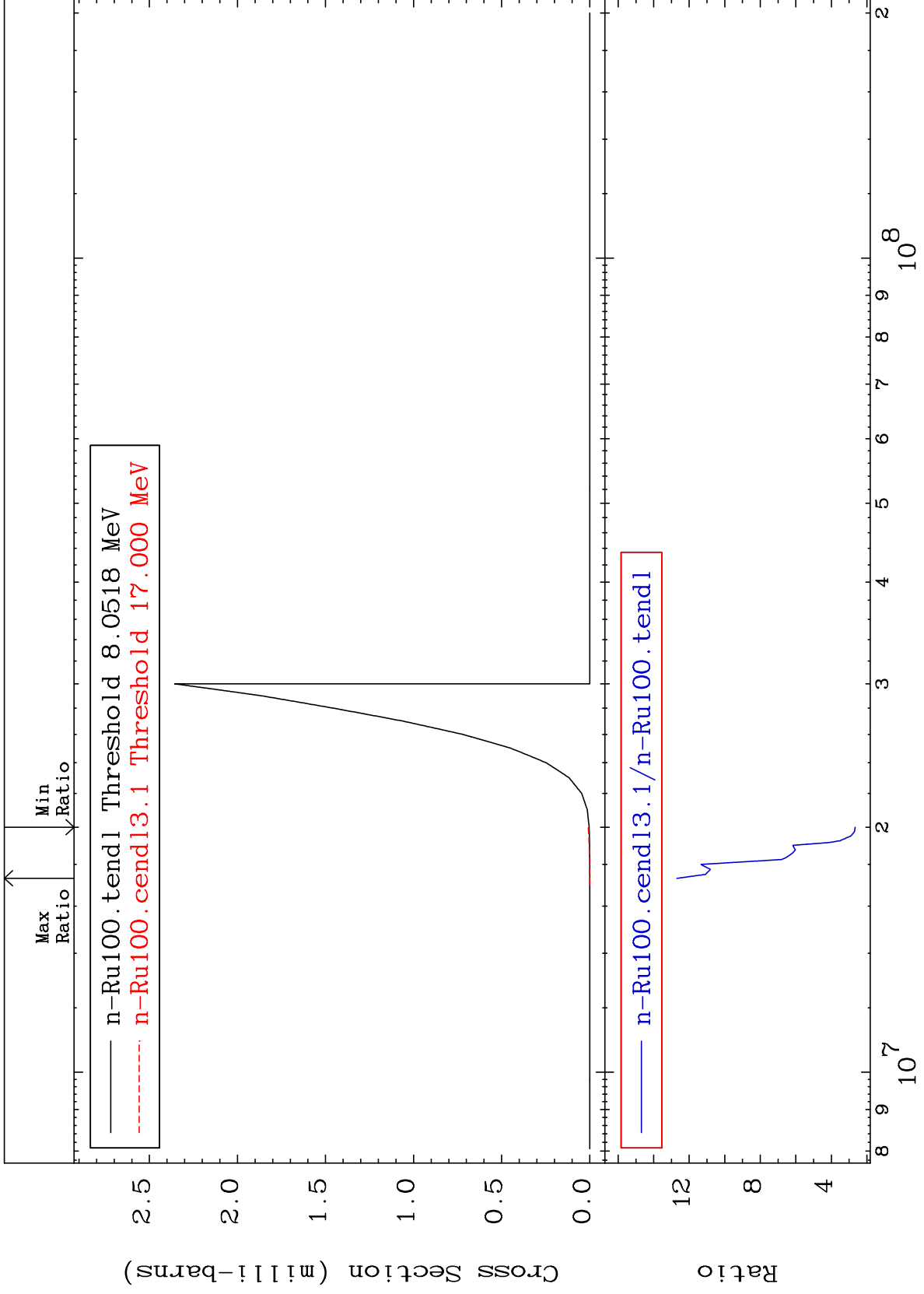
44-Ru-100

MAT 4437

(n, He-3)

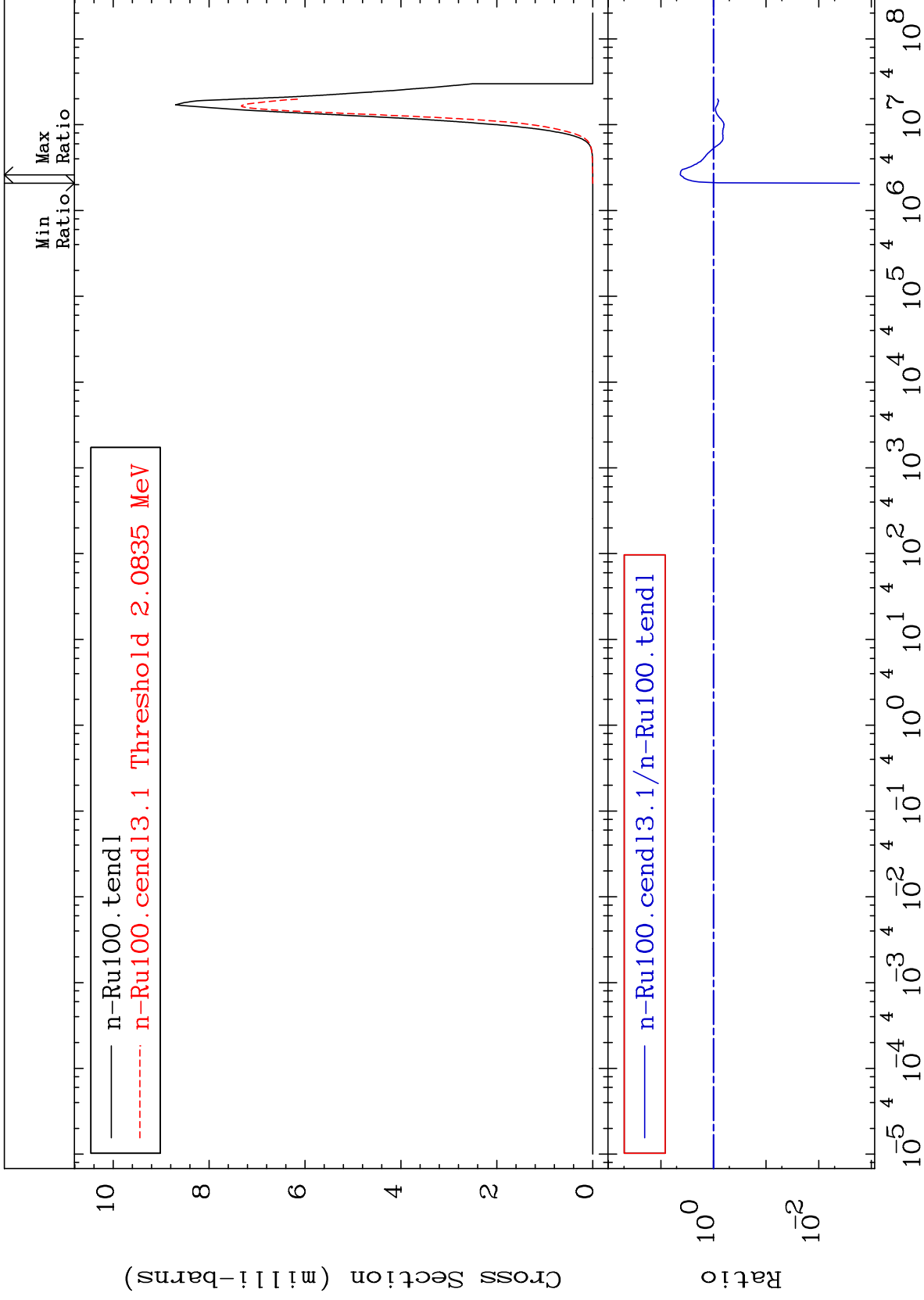
44-Ru-100
166.7 To 1169. %

Cross Section



27

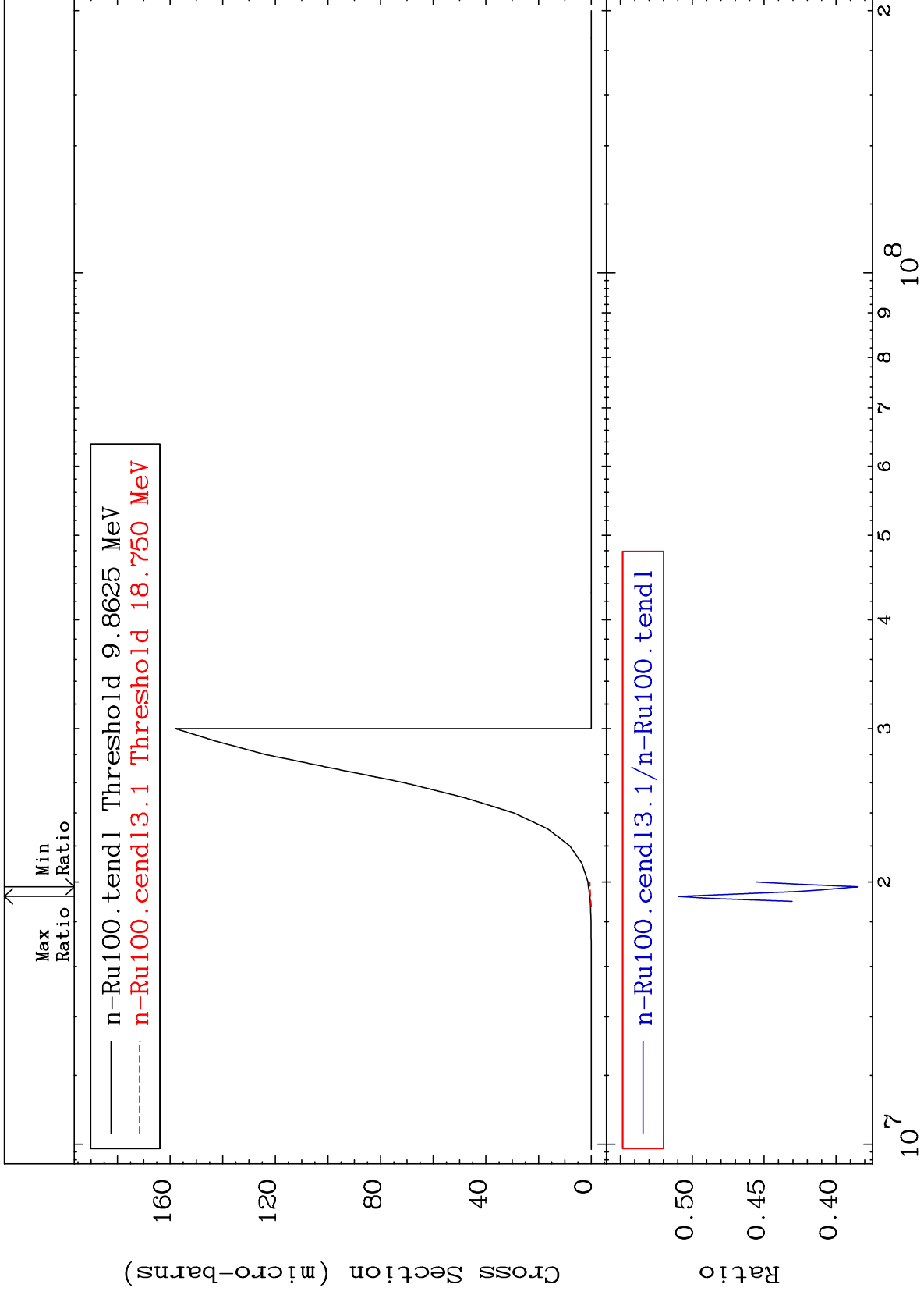
44-Ru-100



MAT 4437

(n,2p)
Cross Section

44-Ru-100
-61.48 To -49.05%



29

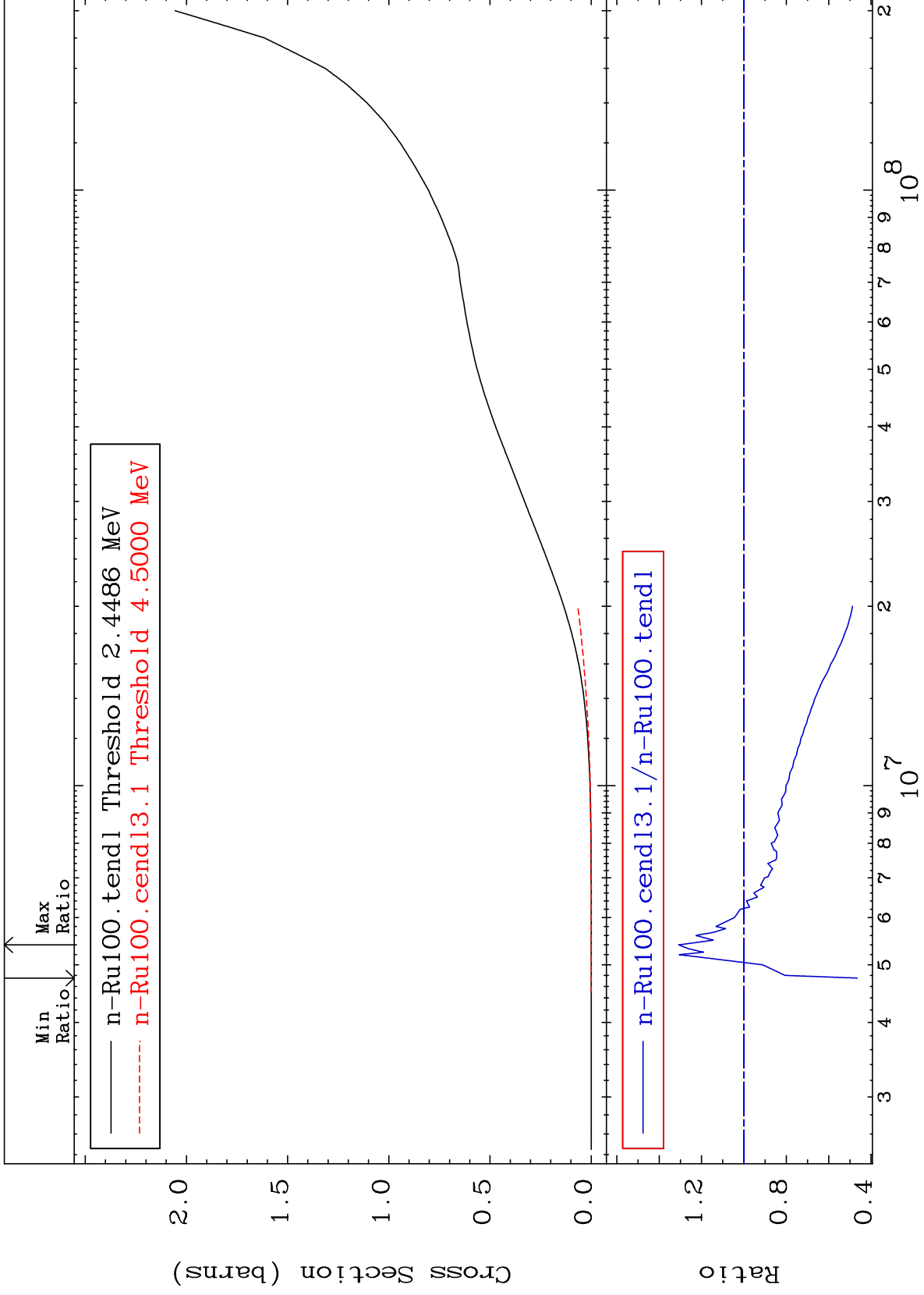
Incident Energy (eV)

44-Ru-100

MAT 4437

Hydrogen Production
Cross Section

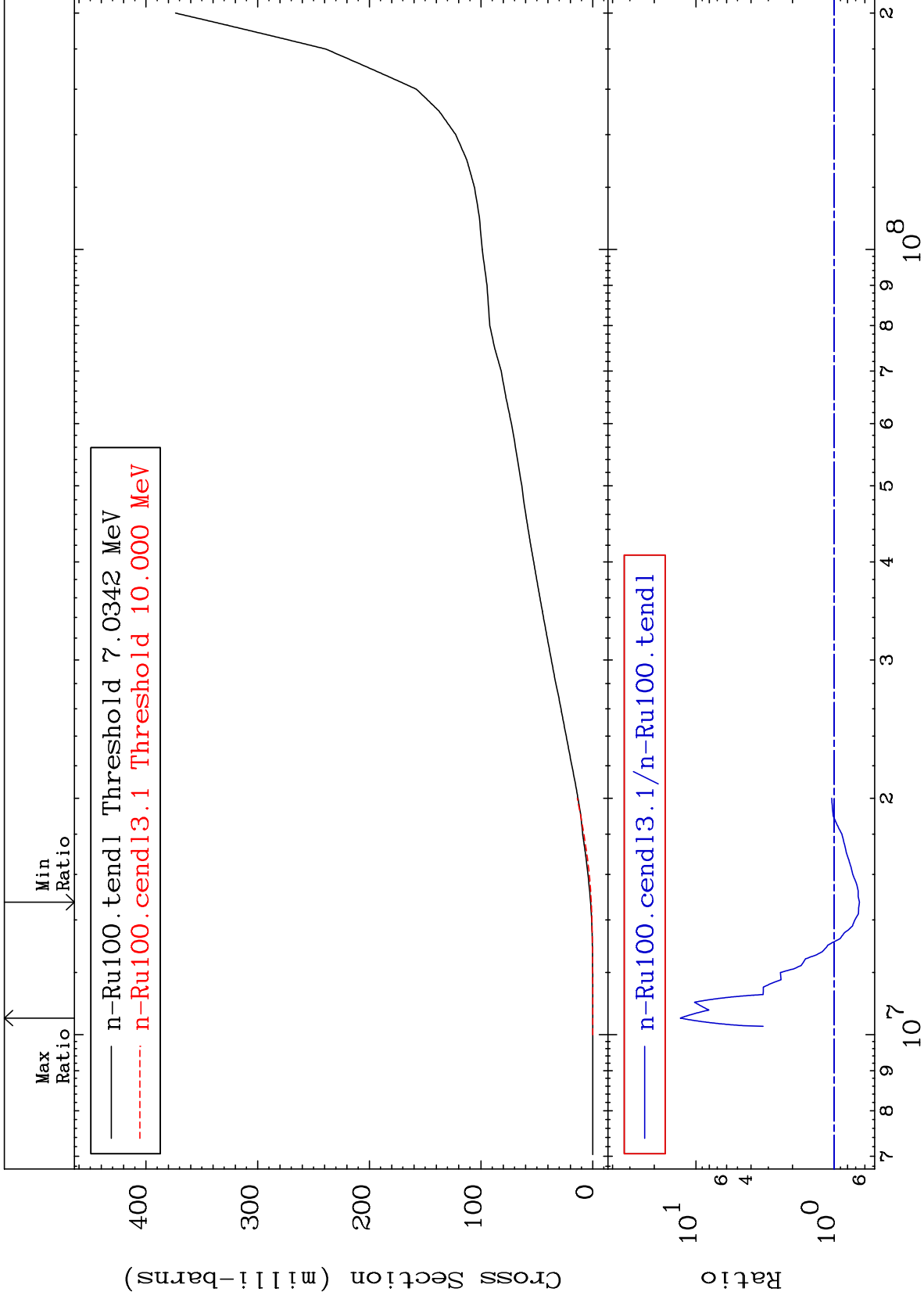
44-Ru-100
-53.48 To 30.82 %



30

Incident Energy (eV)

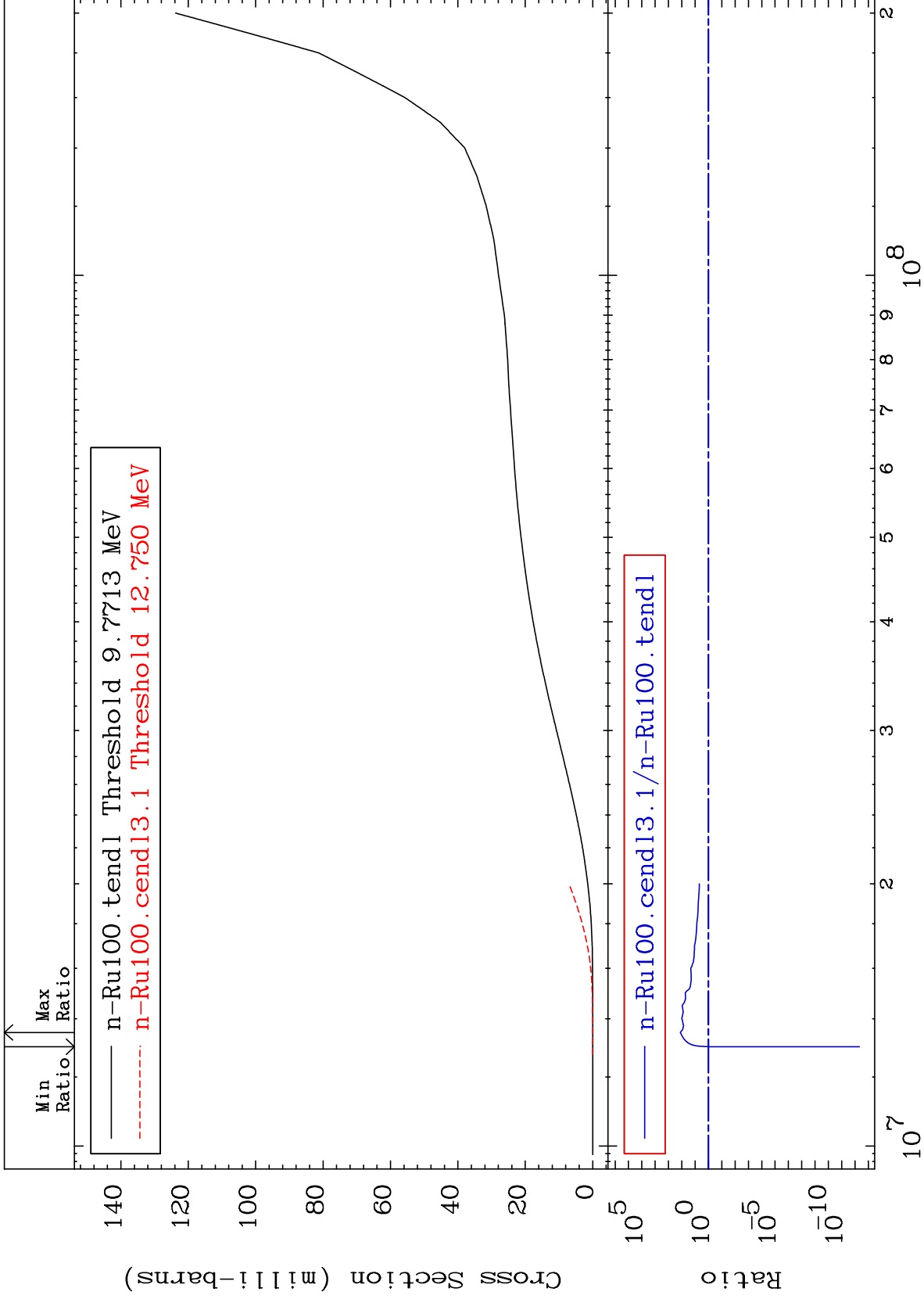
44-Ru-100



MAT 4437

Tritium Production
Cross Section

44-Ru-100
-100.0 To 9999. %



32

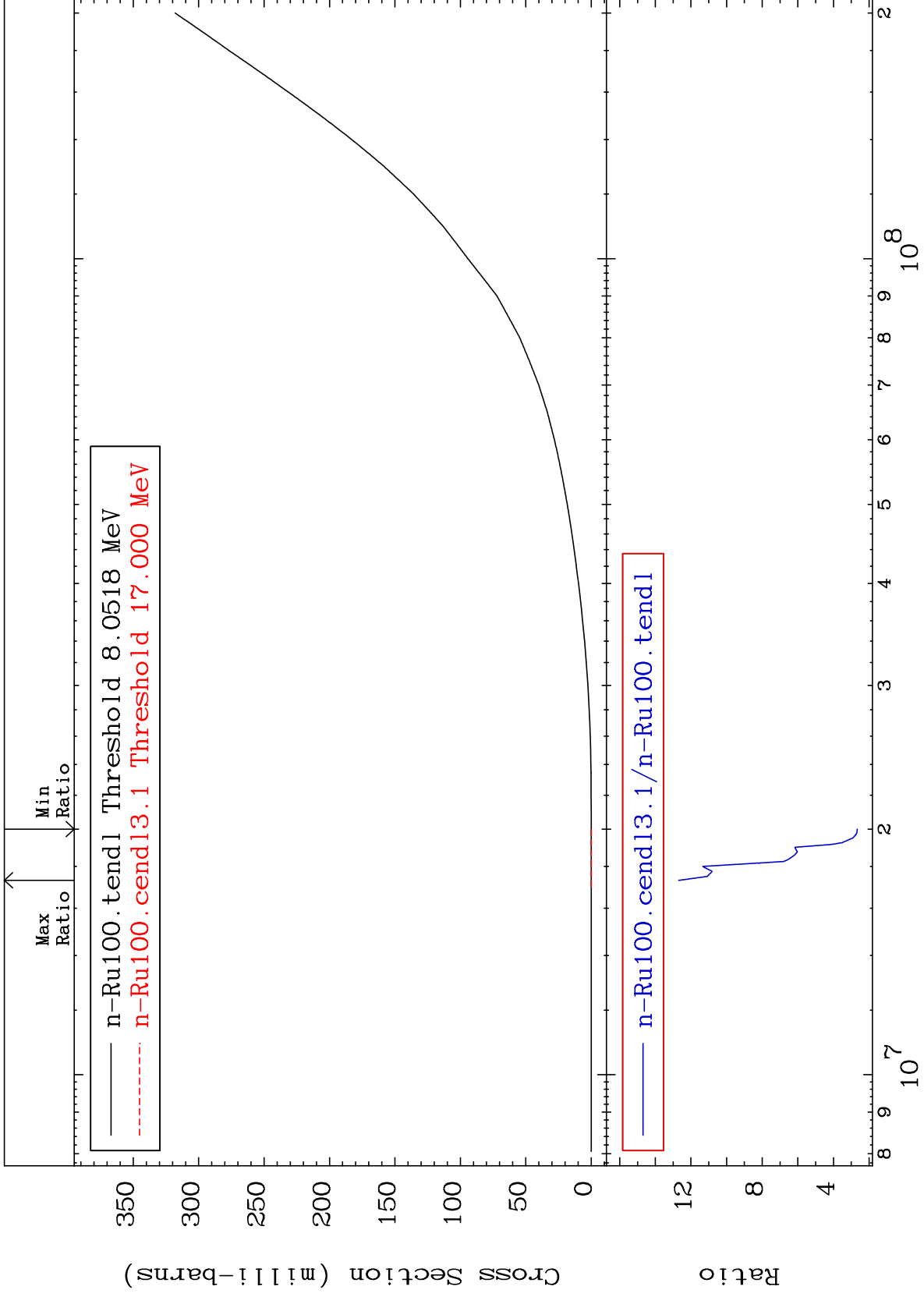
Incident Energy (eV)

44-Ru-100

MAT 4437

He-3 Production
Cross Section

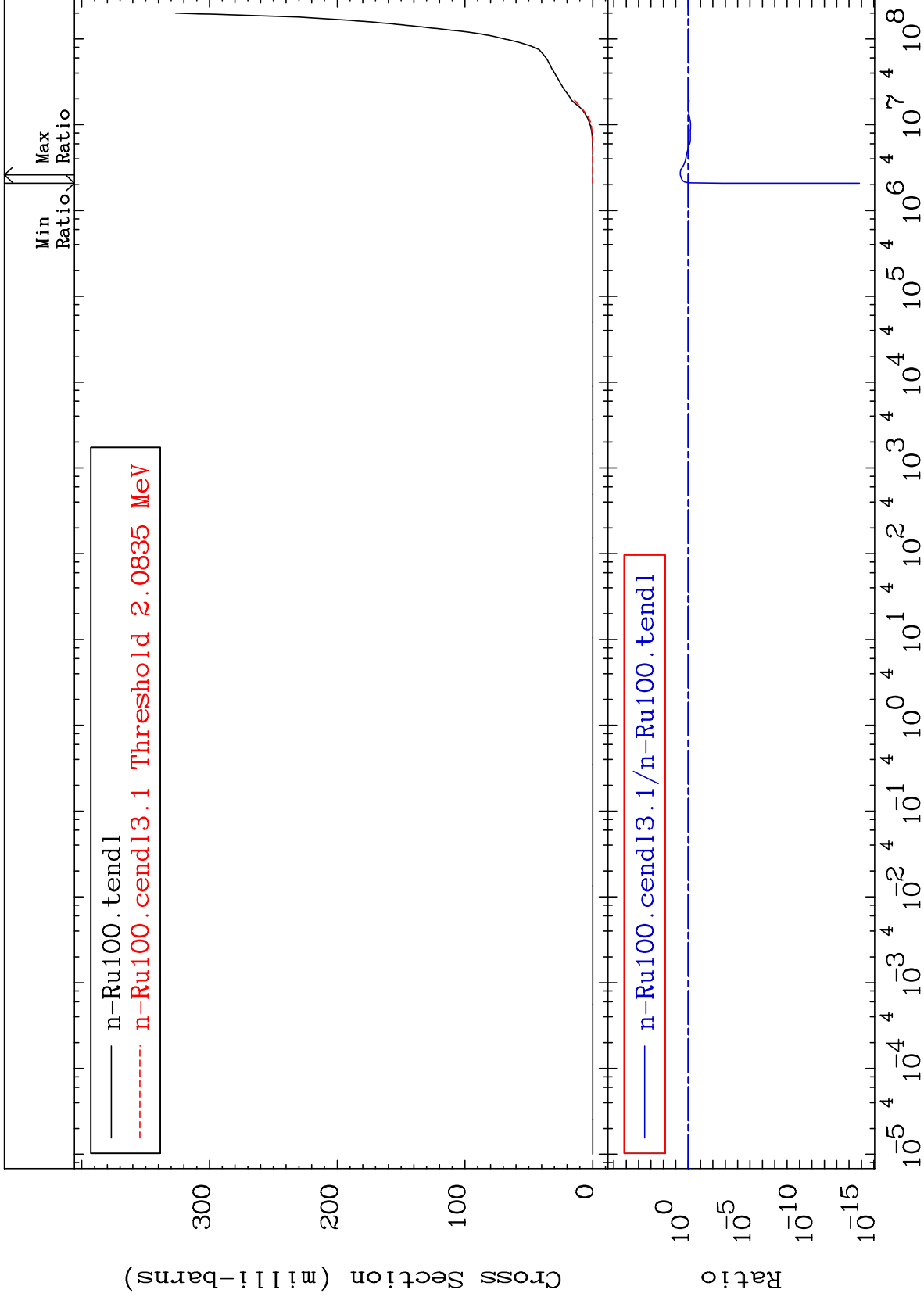
44-Ru-100
166.7 To 1169. %

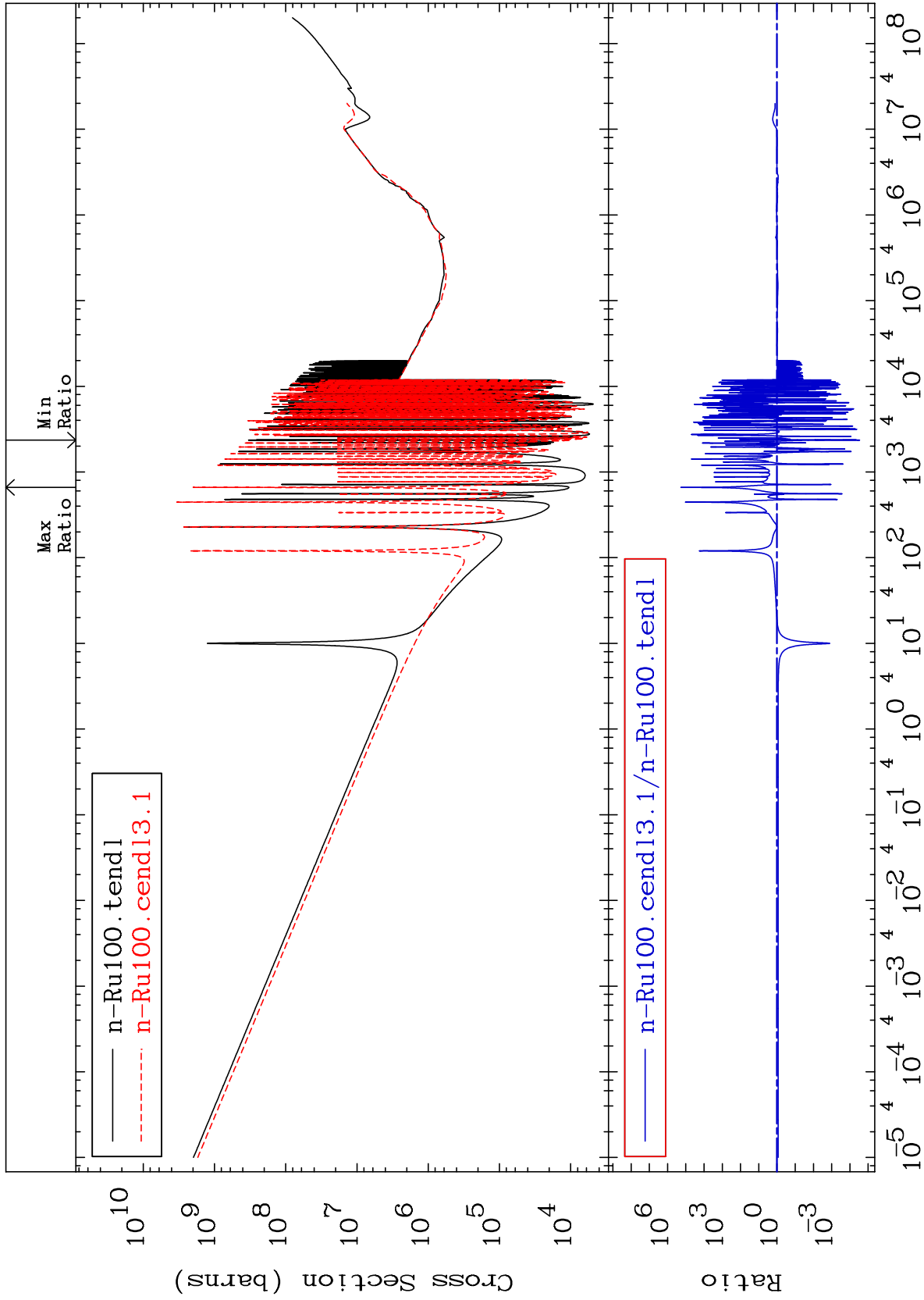


33

Incident Energy (eV)

44-Ru-100

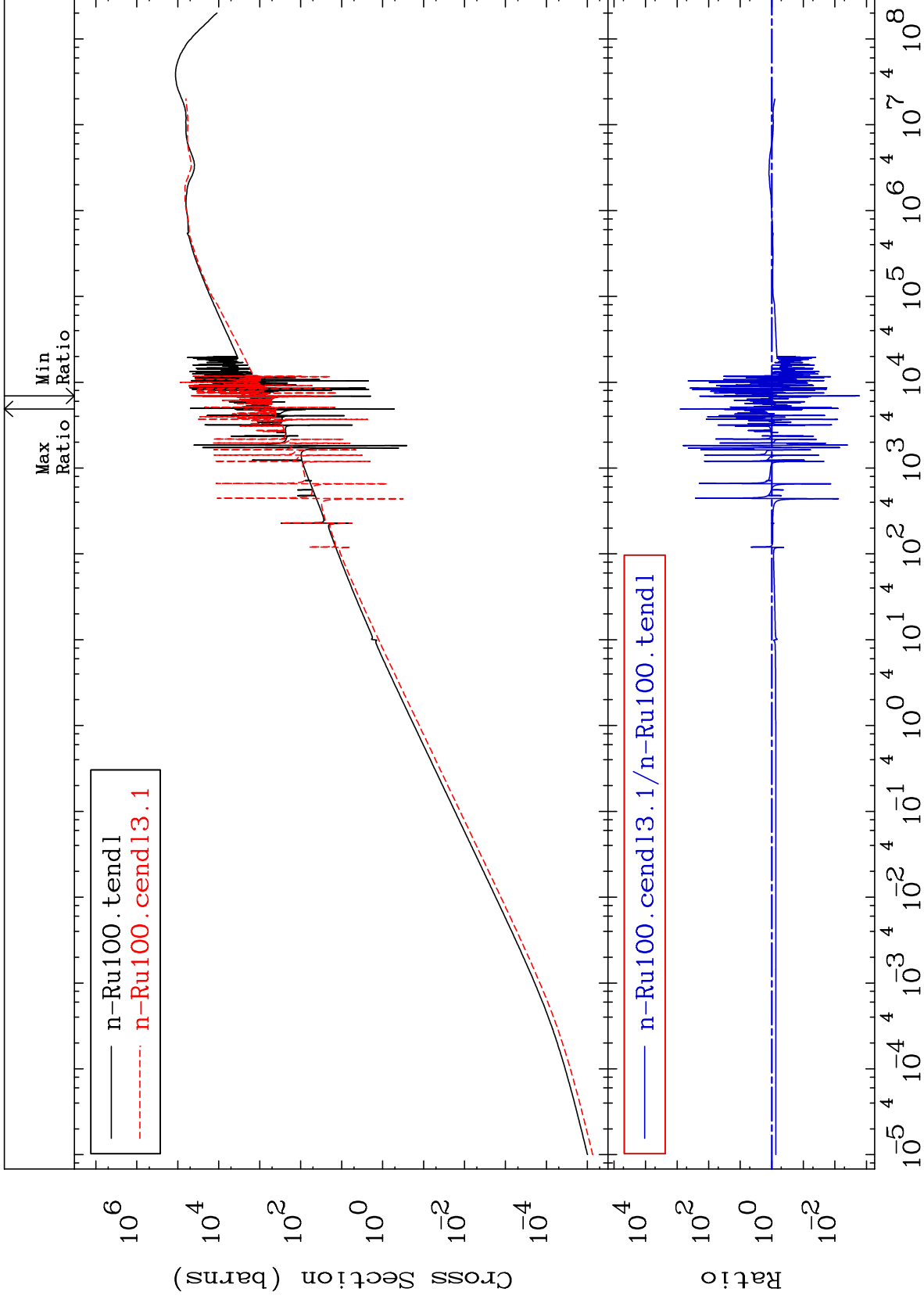


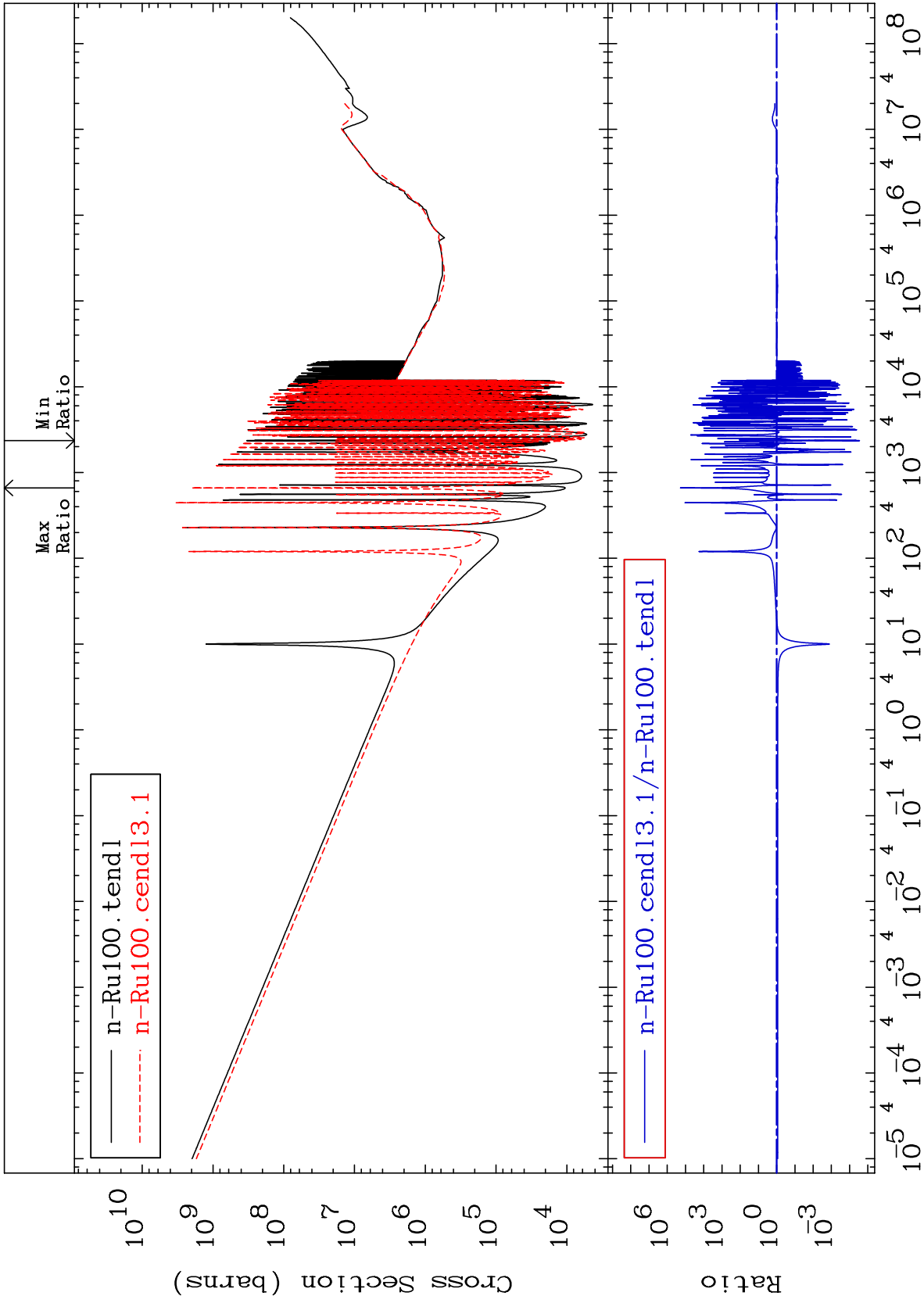


MAT 4437

Kerma elastic
Cross Section

44-Ru-100
-99.83 To 9999. %

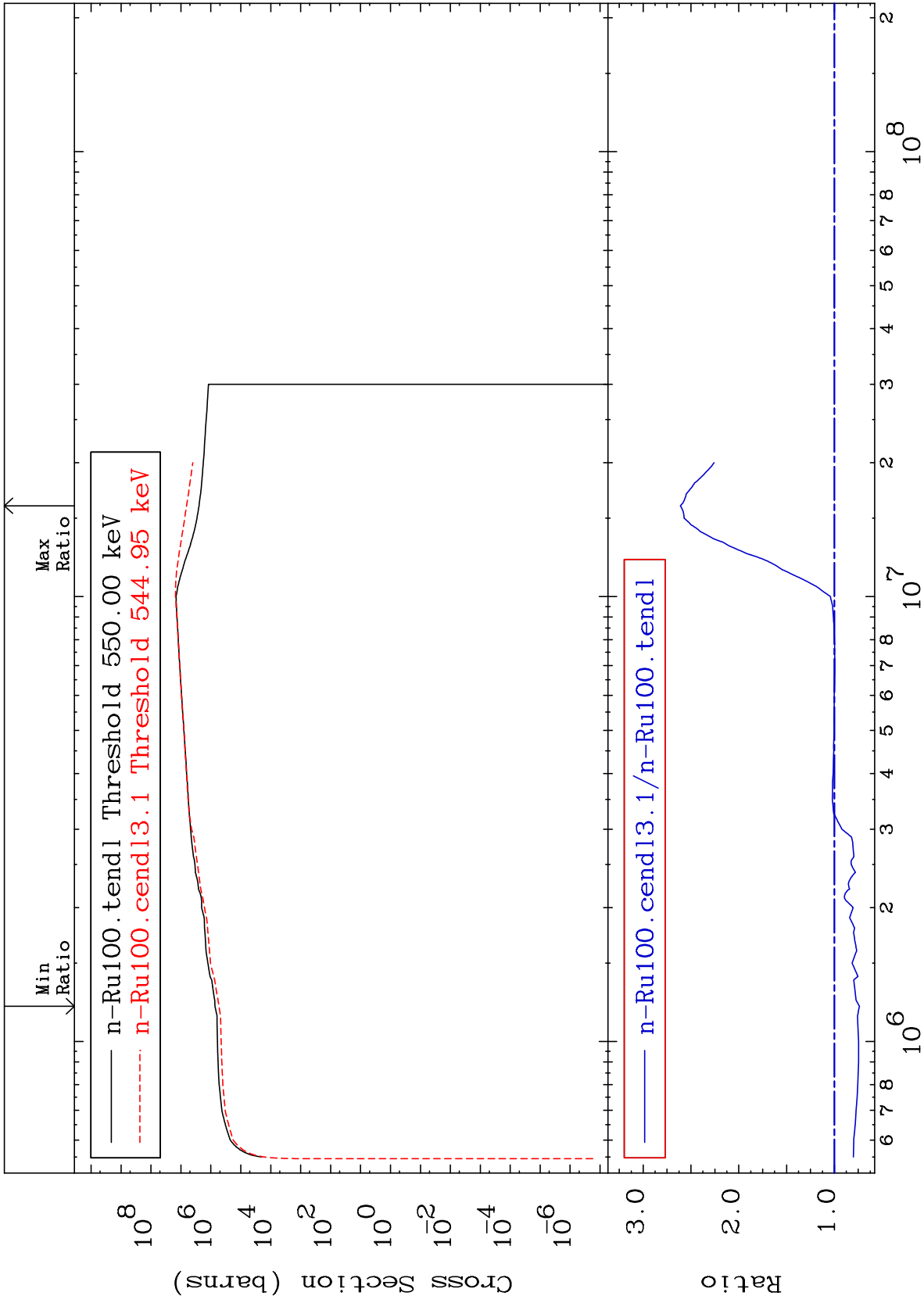




MAT 4437

Kerma inelastic (mt51-91)
Cross Section

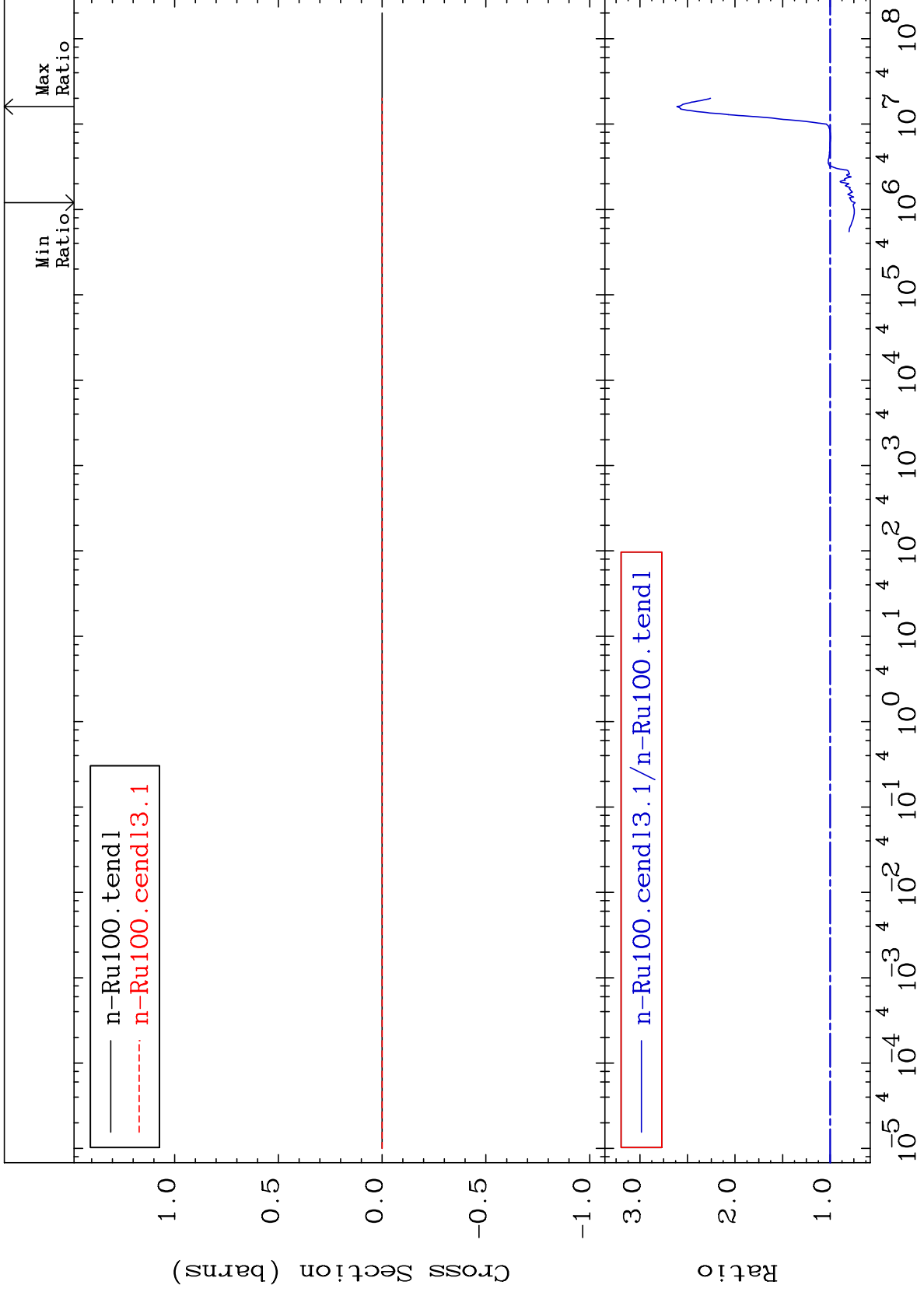
44-Ru-100
-26.22 To 161.1 %



MAT 4437

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

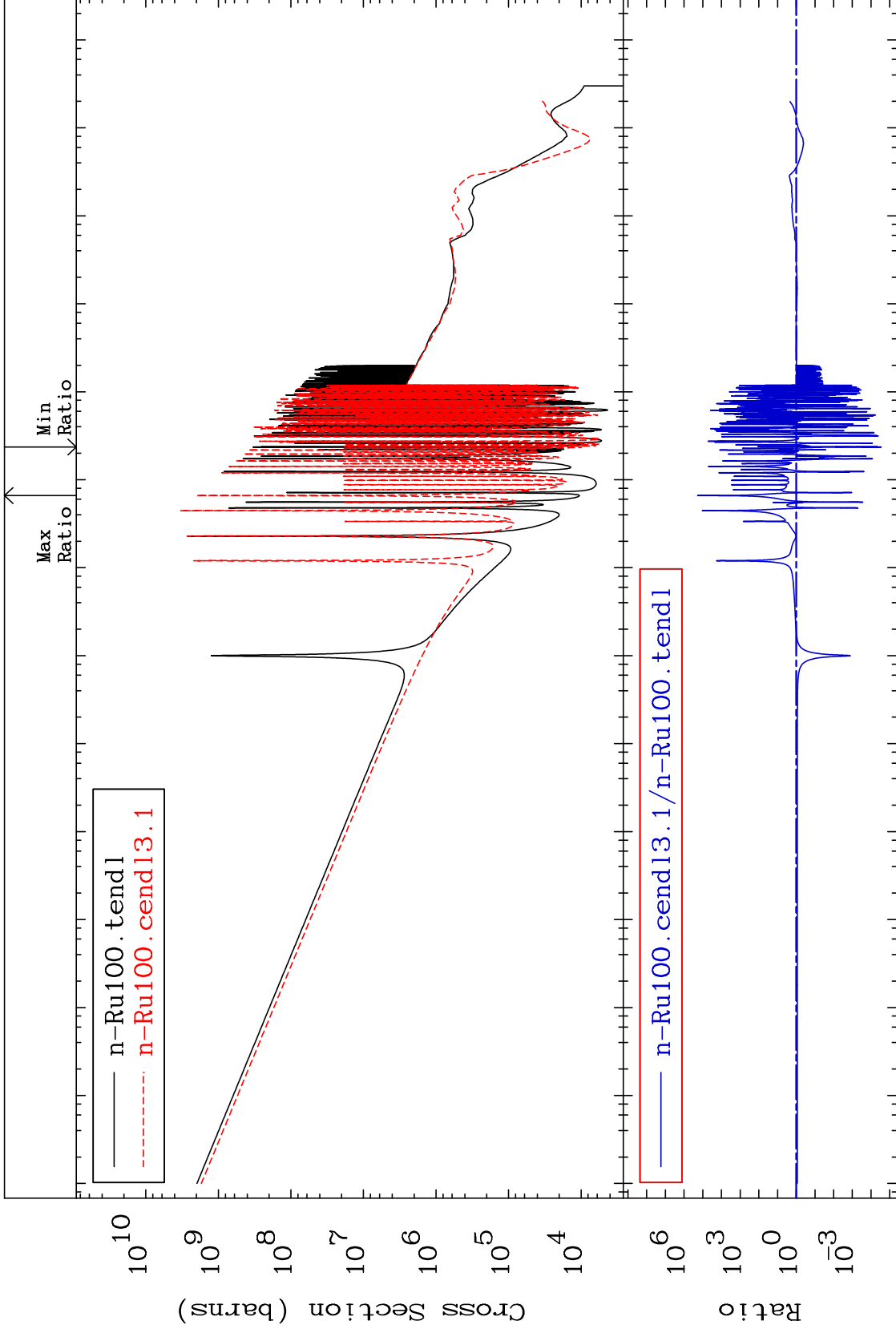
44-Ru-100
-26.22 To 161.1 %



MAT 4437

Kerma capture (mt102)
Cross Section

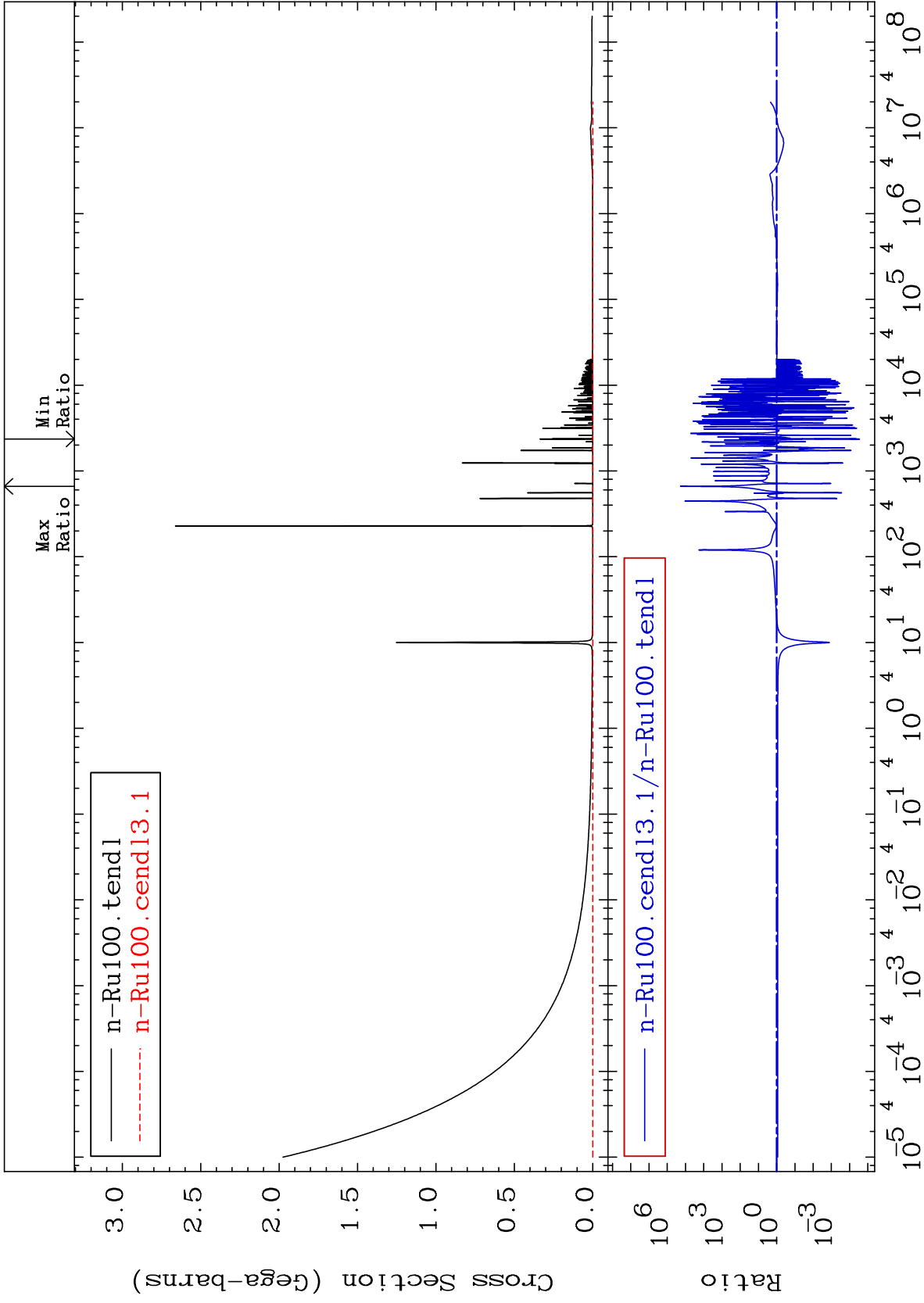
44-Ru-100
-100.0 To 9999. %



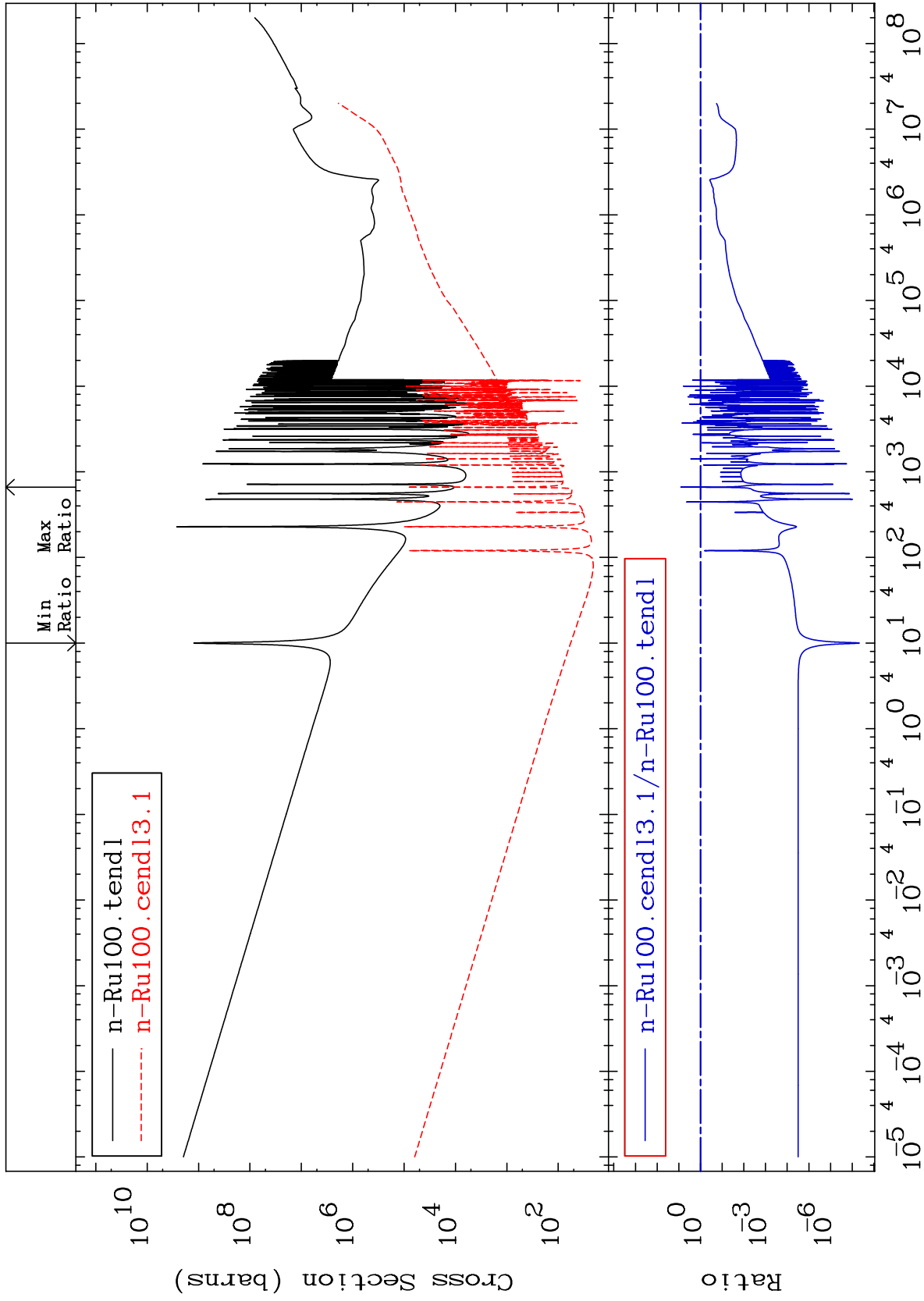
40

Incident Energy (eV)

44-Ru-100



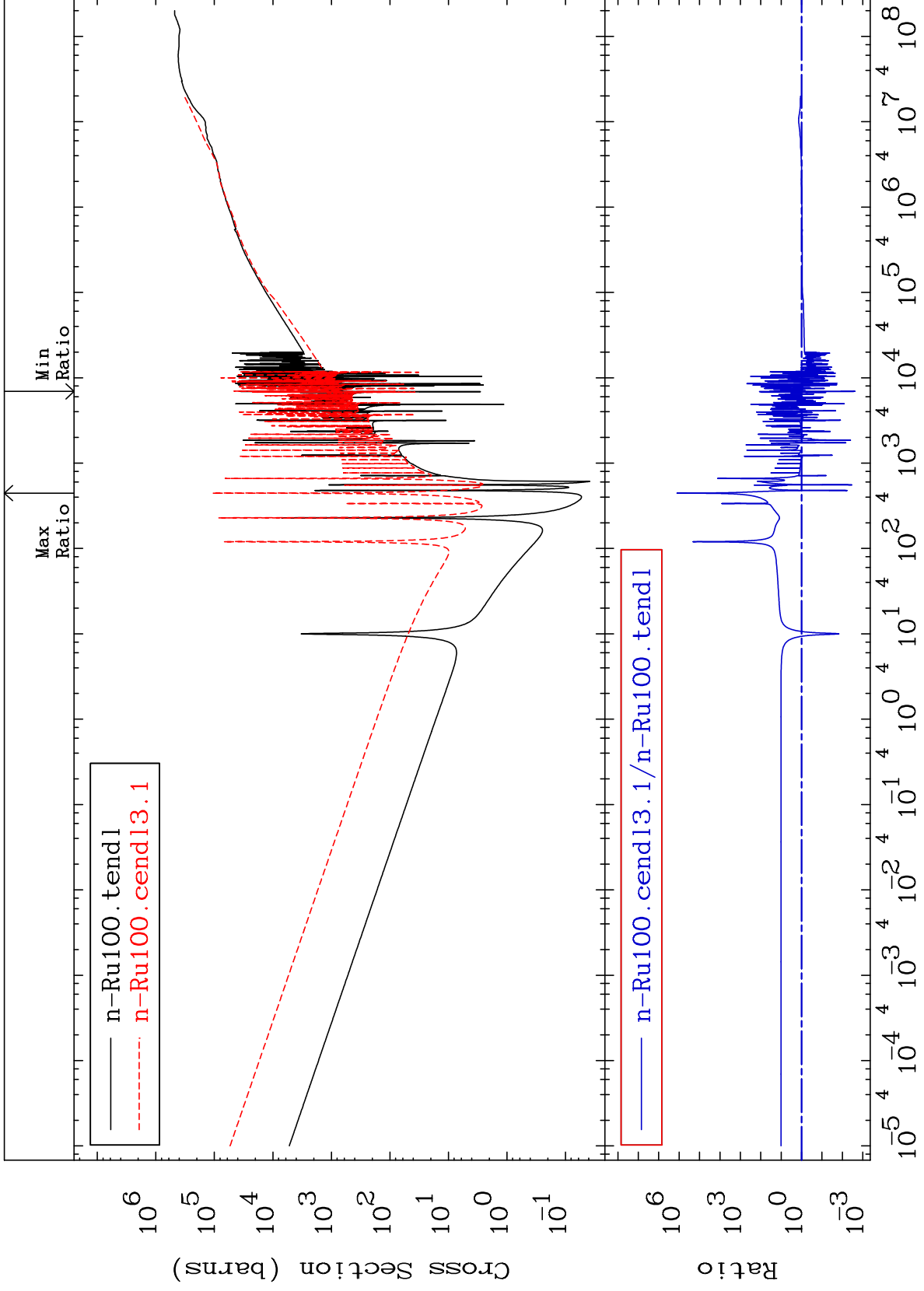
Cross Section

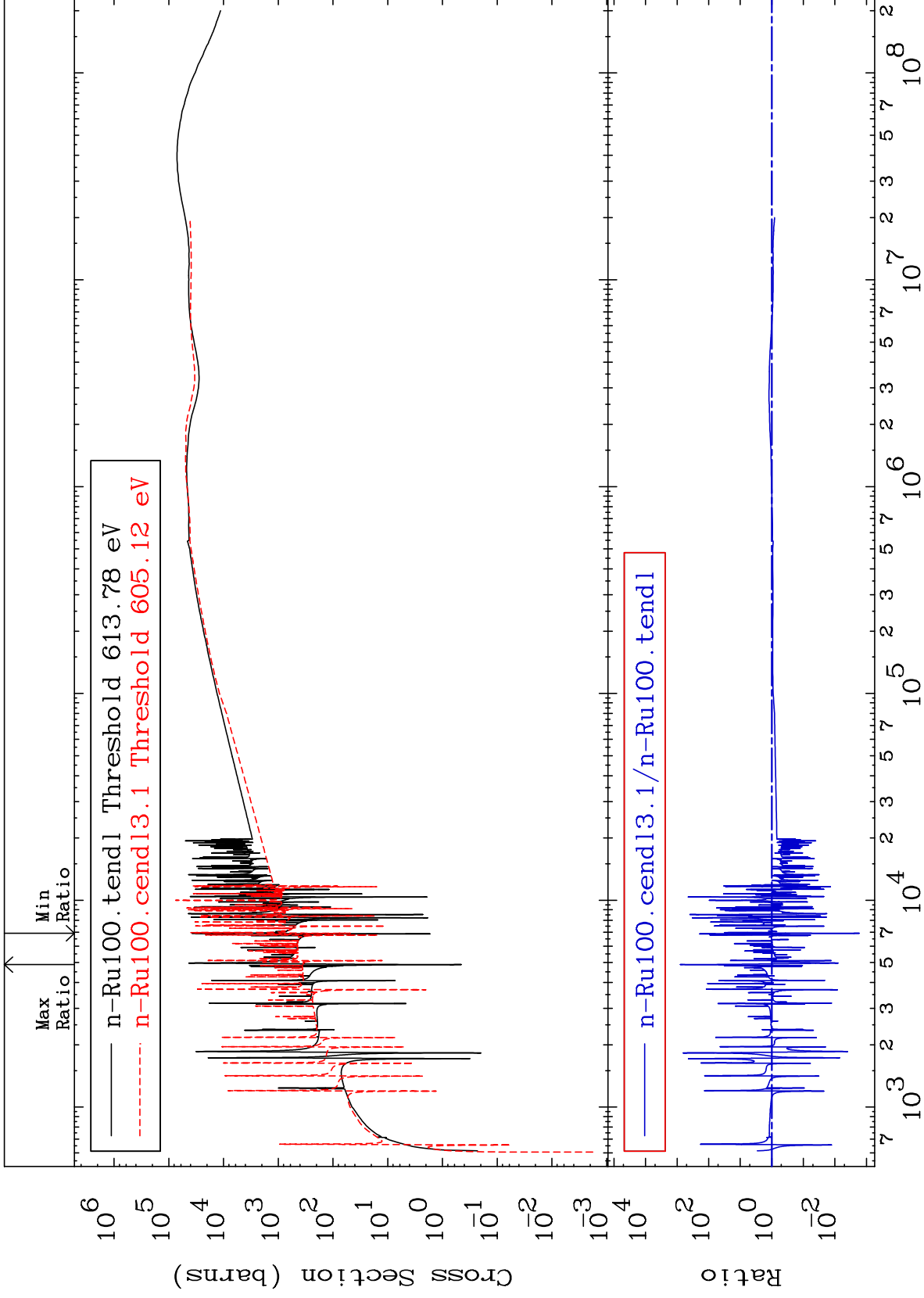


MAT 4437

Dpa total (eV-barns)
Cross Section

44-Ru-100
-99.76 To 9999. %

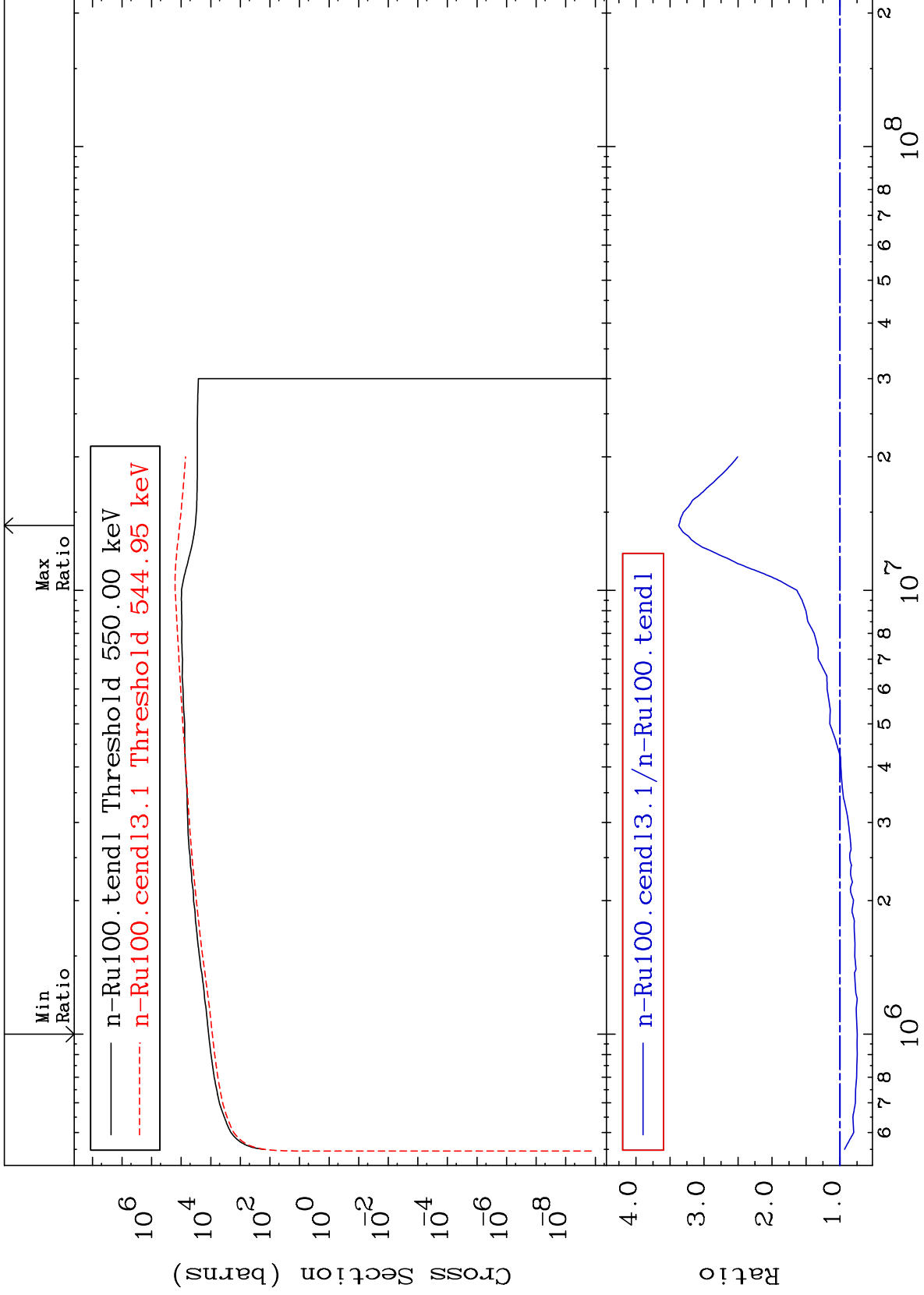




MAT 4437

Dpa inelastic (mt51-91)
Cross Section

44-Ru-100
-25.31 To 237.3 %



45

44-Ru-100

