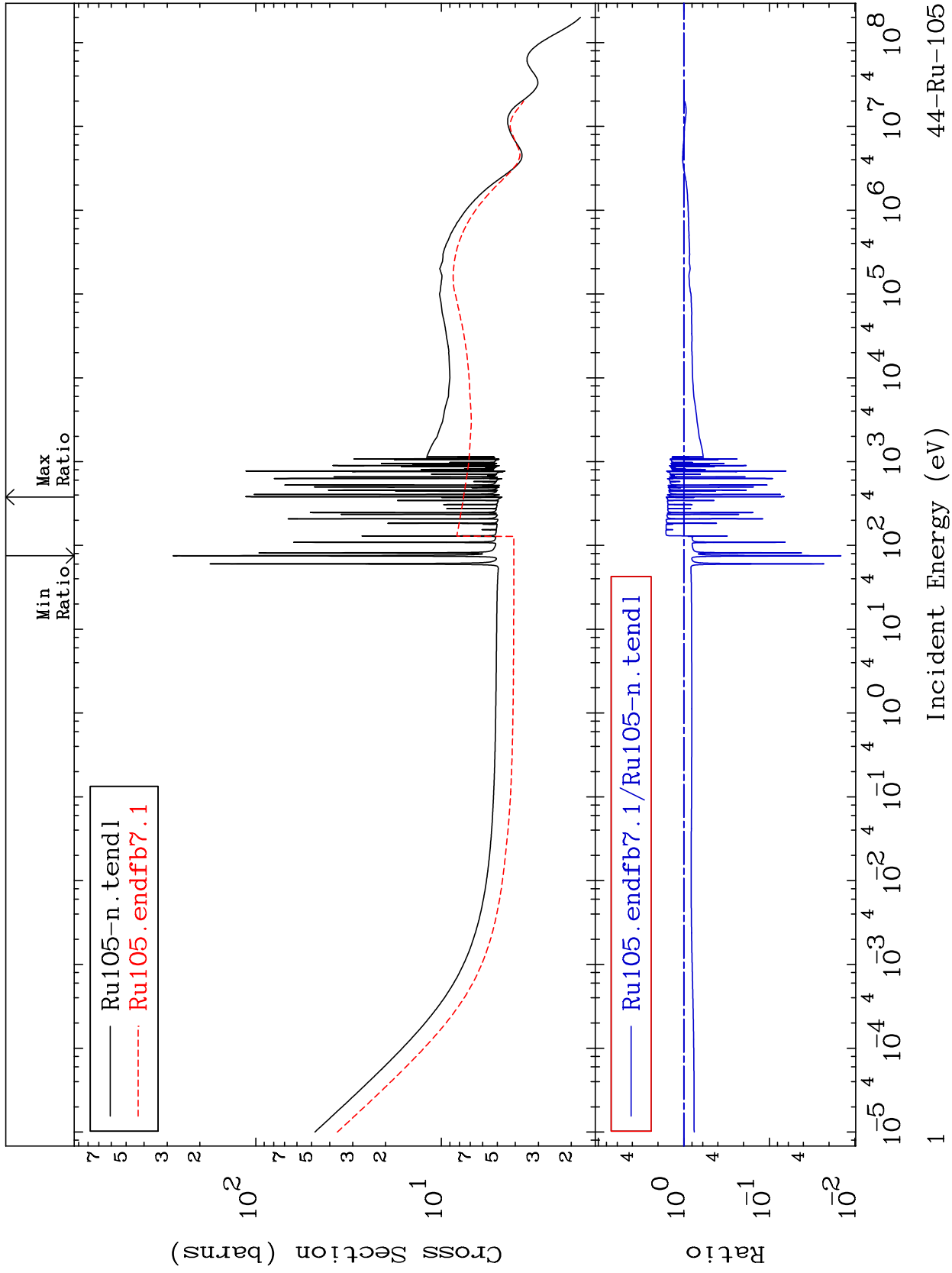


MAT 4452

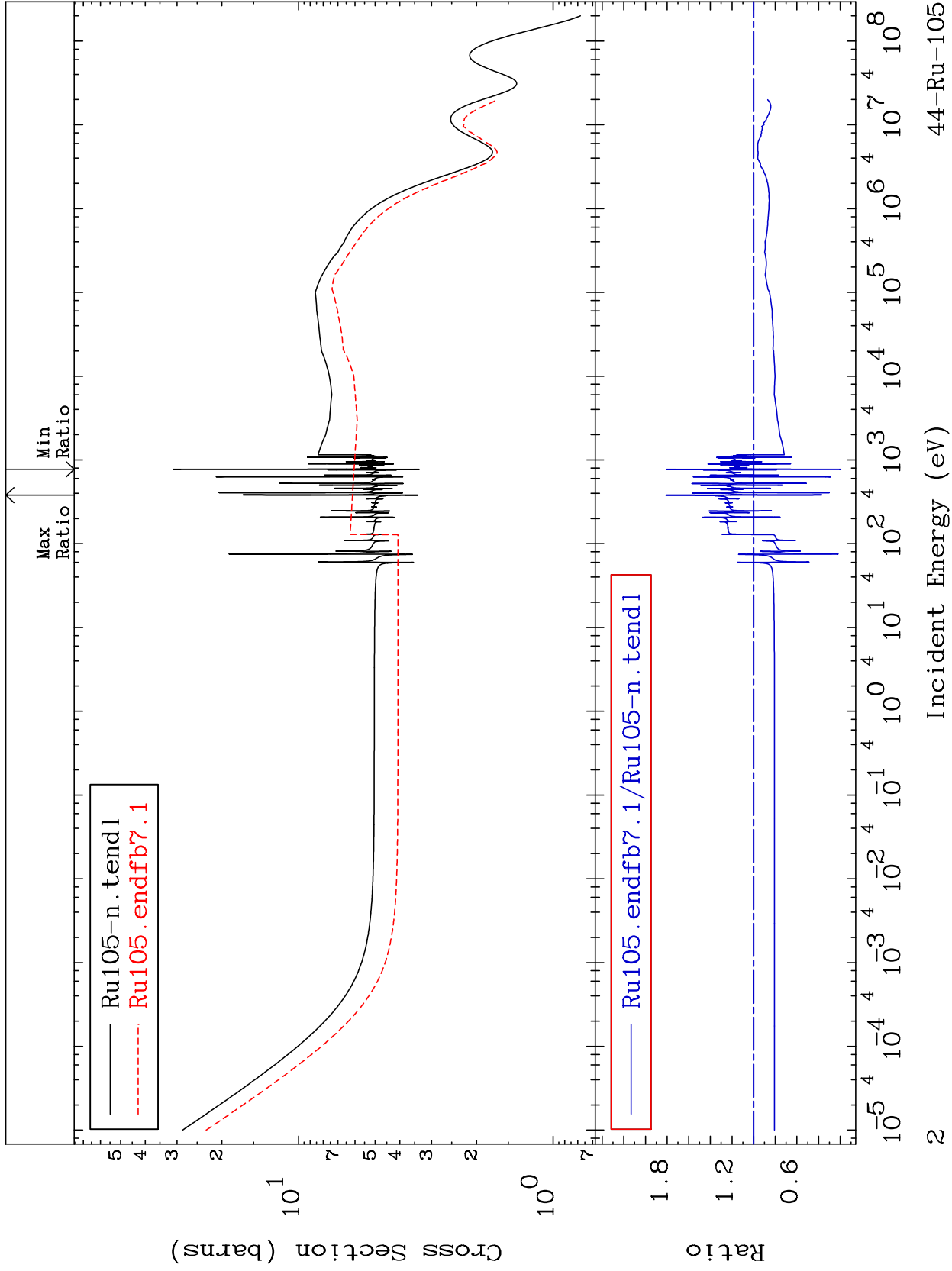
Total Cross Section
44-Ru-105
-98.54 To 61.45 %



MAT 4452

Elastic
Cross Section

44-Ru-105
-80.58 To 81.04 %

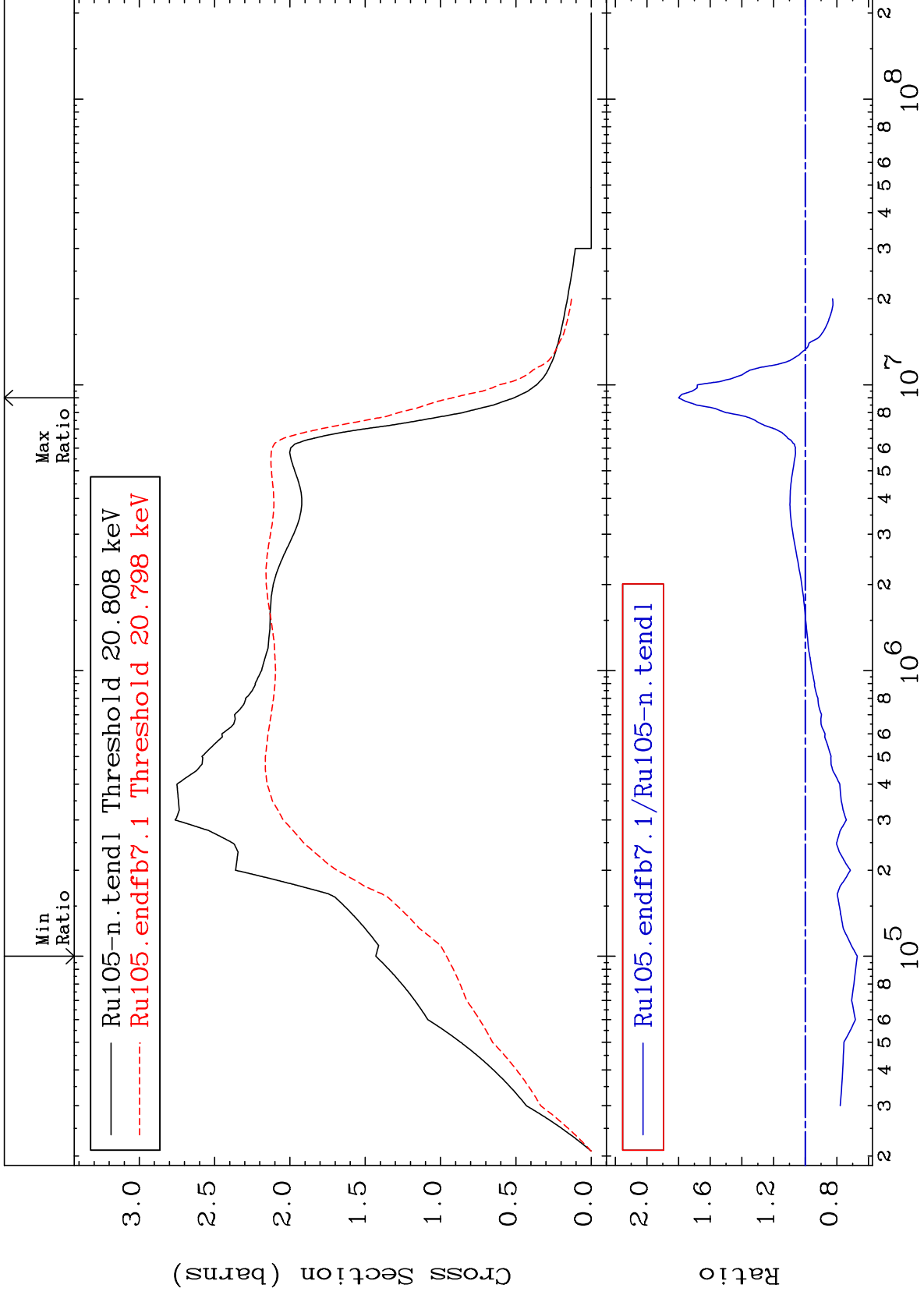


44-Ru-105

MAT 4452

Inelastic
Cross Section

44-Ru-105
-32.86 To 79.98 %



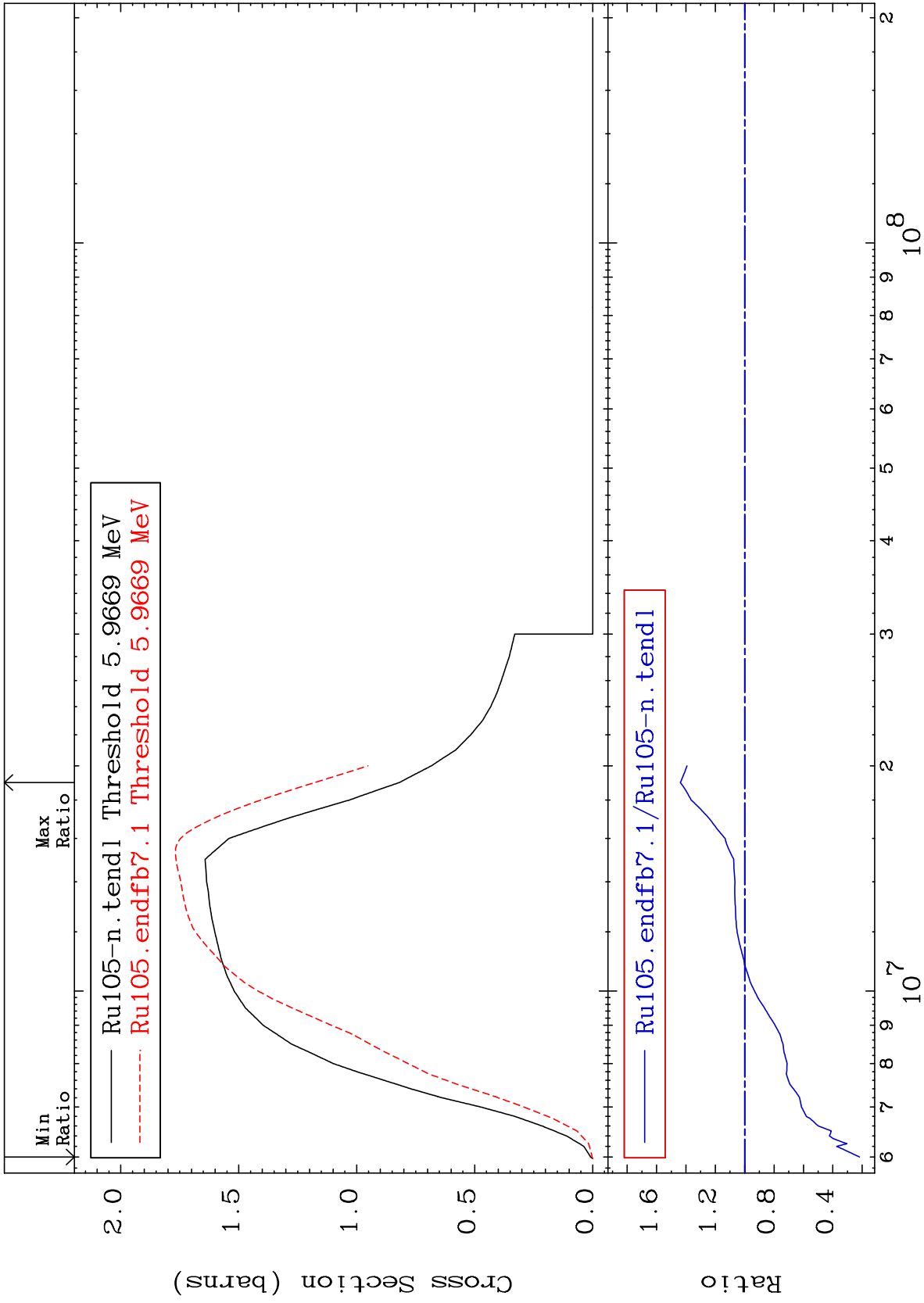
MAT 4452

(n,2n)

44-Ru-105

Cross Section

-78.11 To 43.81 %



4

Incident Energy (eV)

44-Ru-105

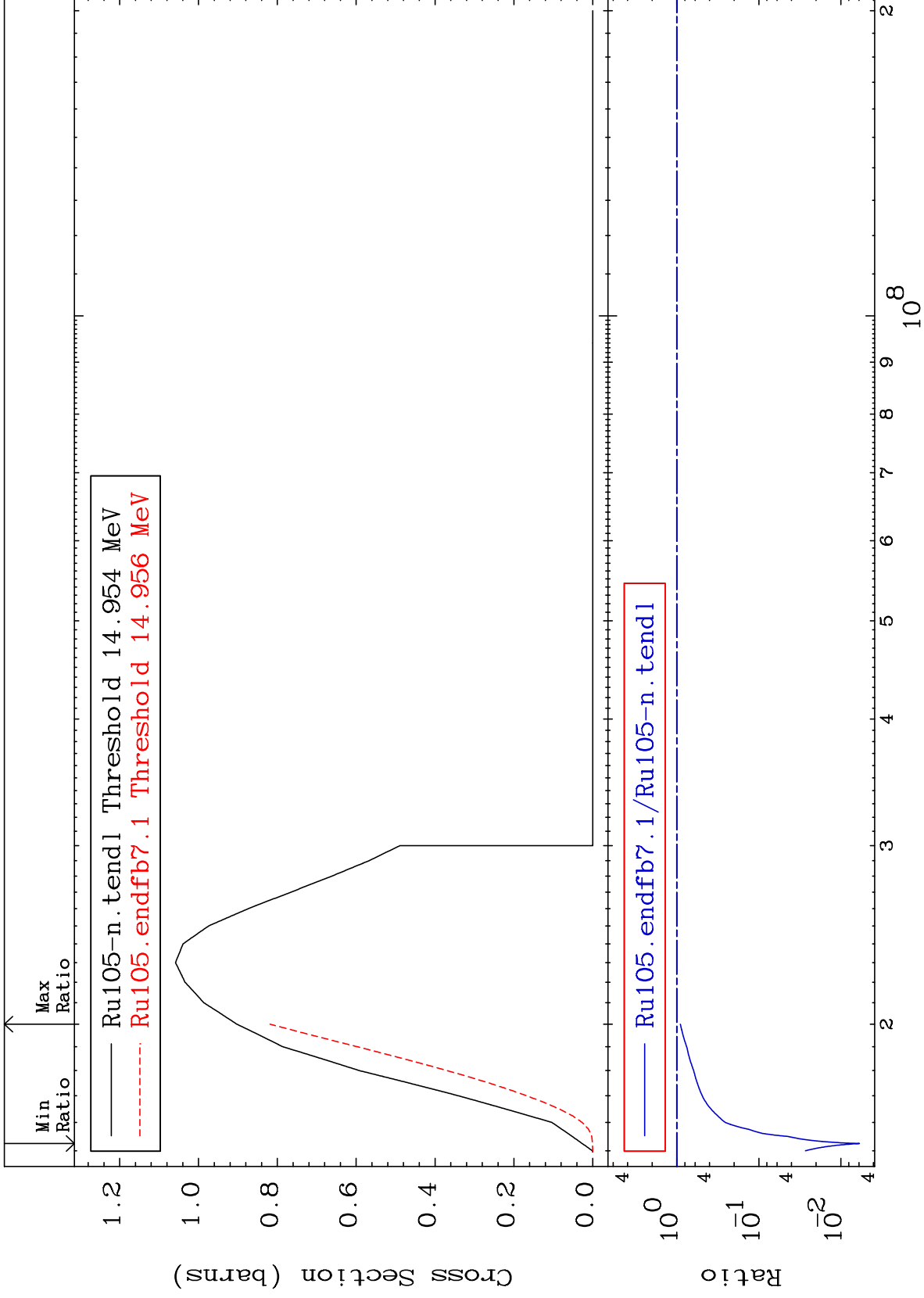
MAT 4452

(n,3n)

44-Ru-105

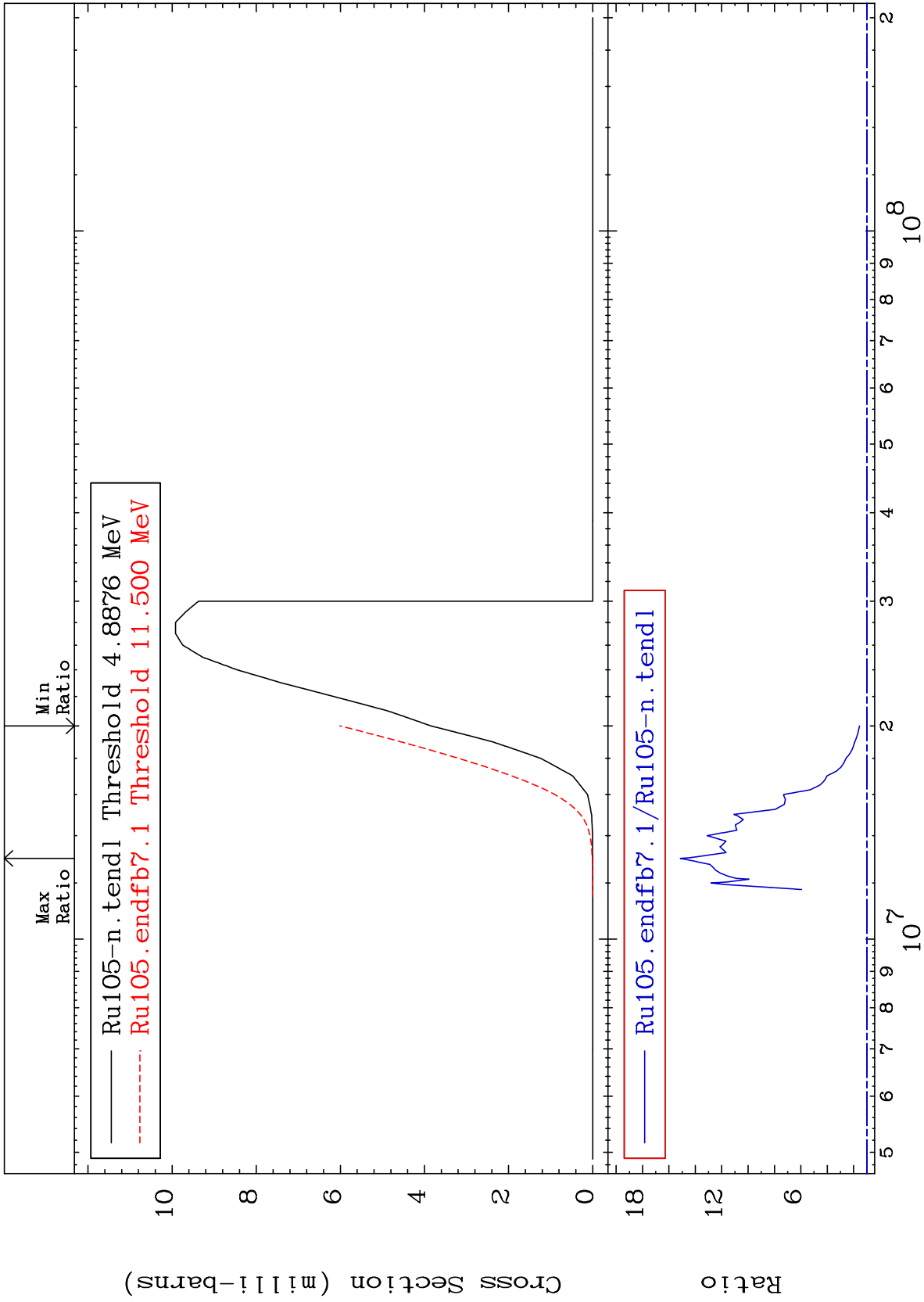
Cross Section

-99.41 To -9.345%



MAT 4452

(n, n') α
Cross Section
44-Ru-105
56.24 To 1413. %



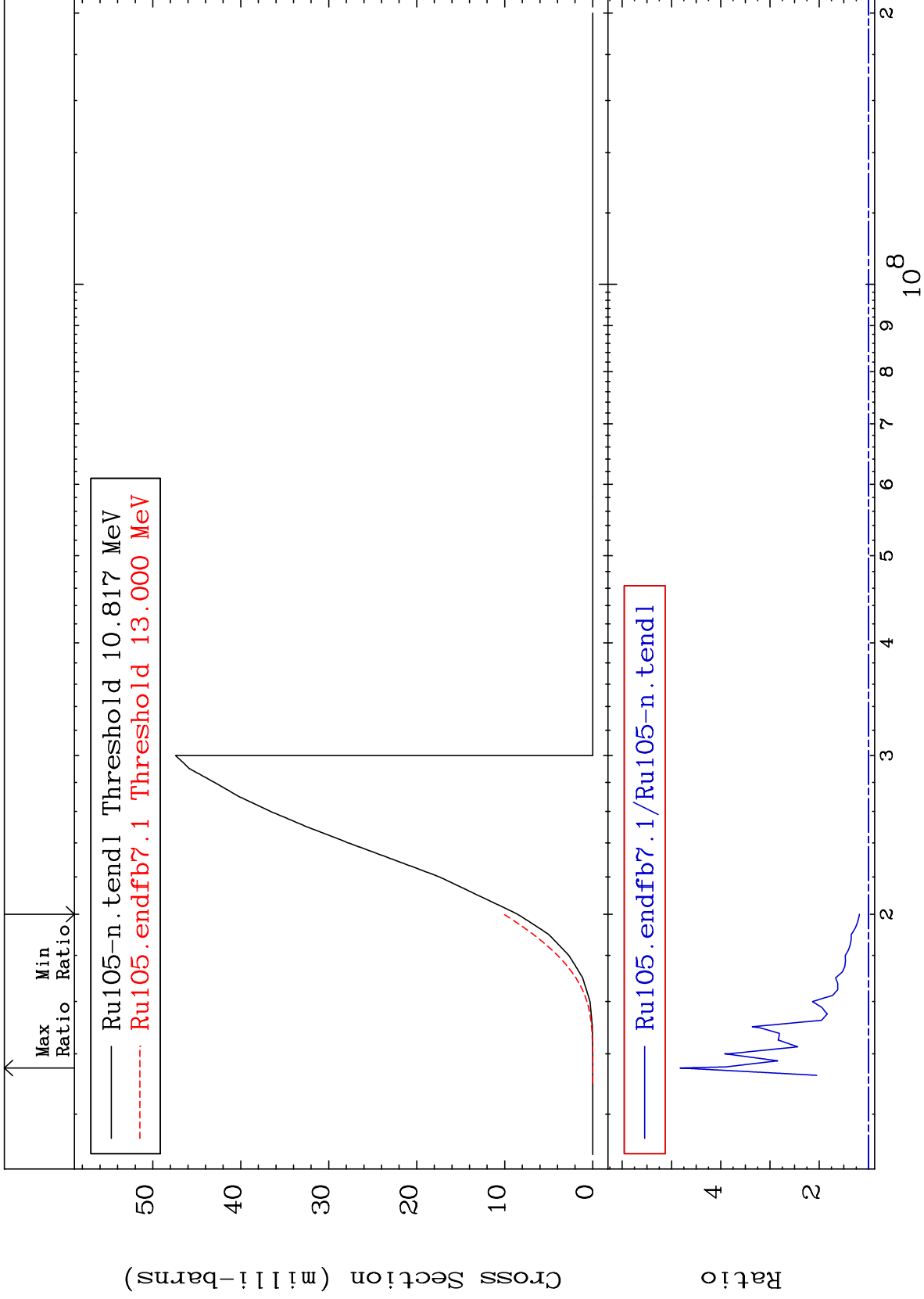
6

44-Ru-105

MAT 4452

(n, n') p
Cross Section

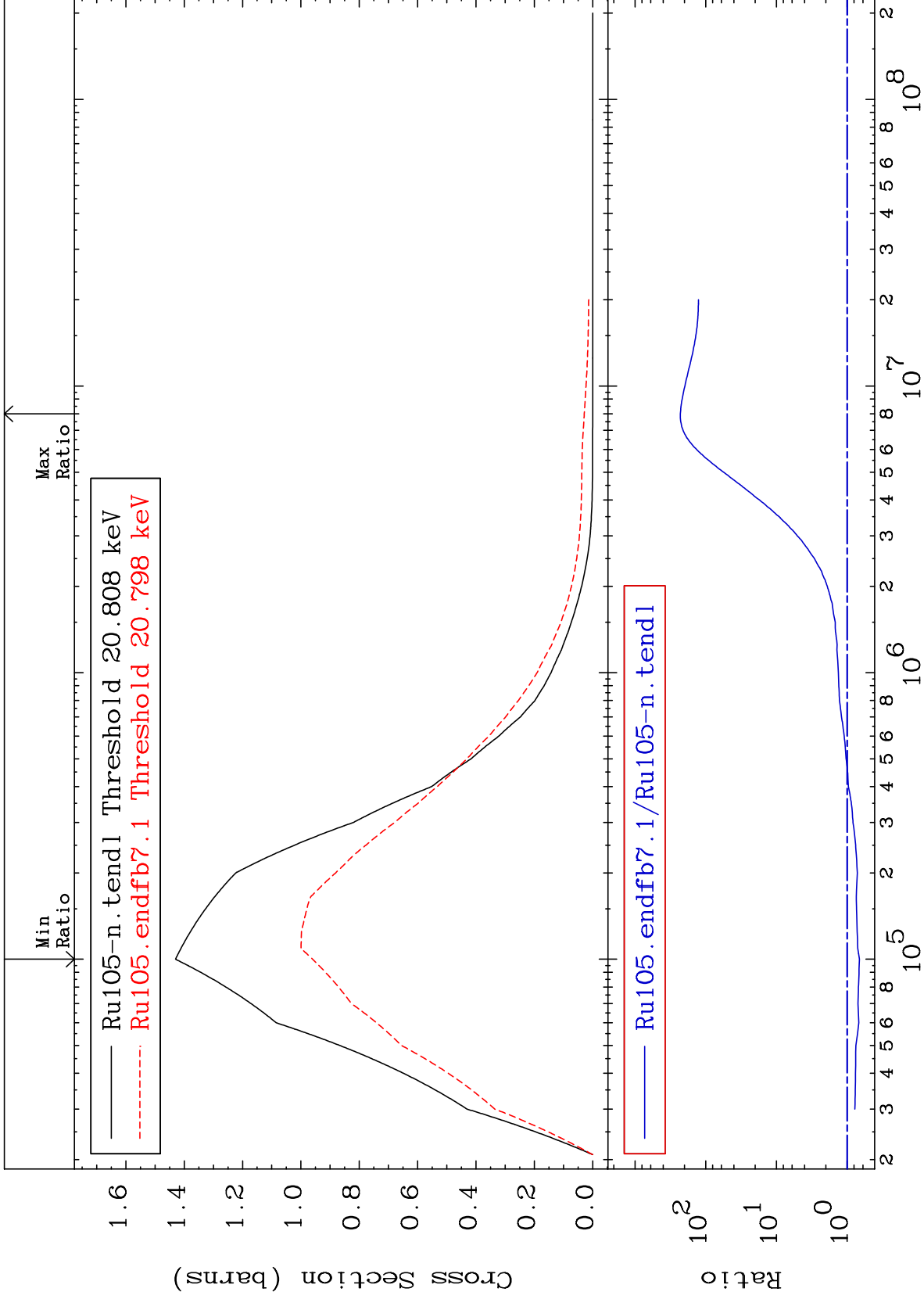
44-Ru-105
18.45 To 382.0 %



MAT 4452

20.61 keV (n,n') Level
Cross Section

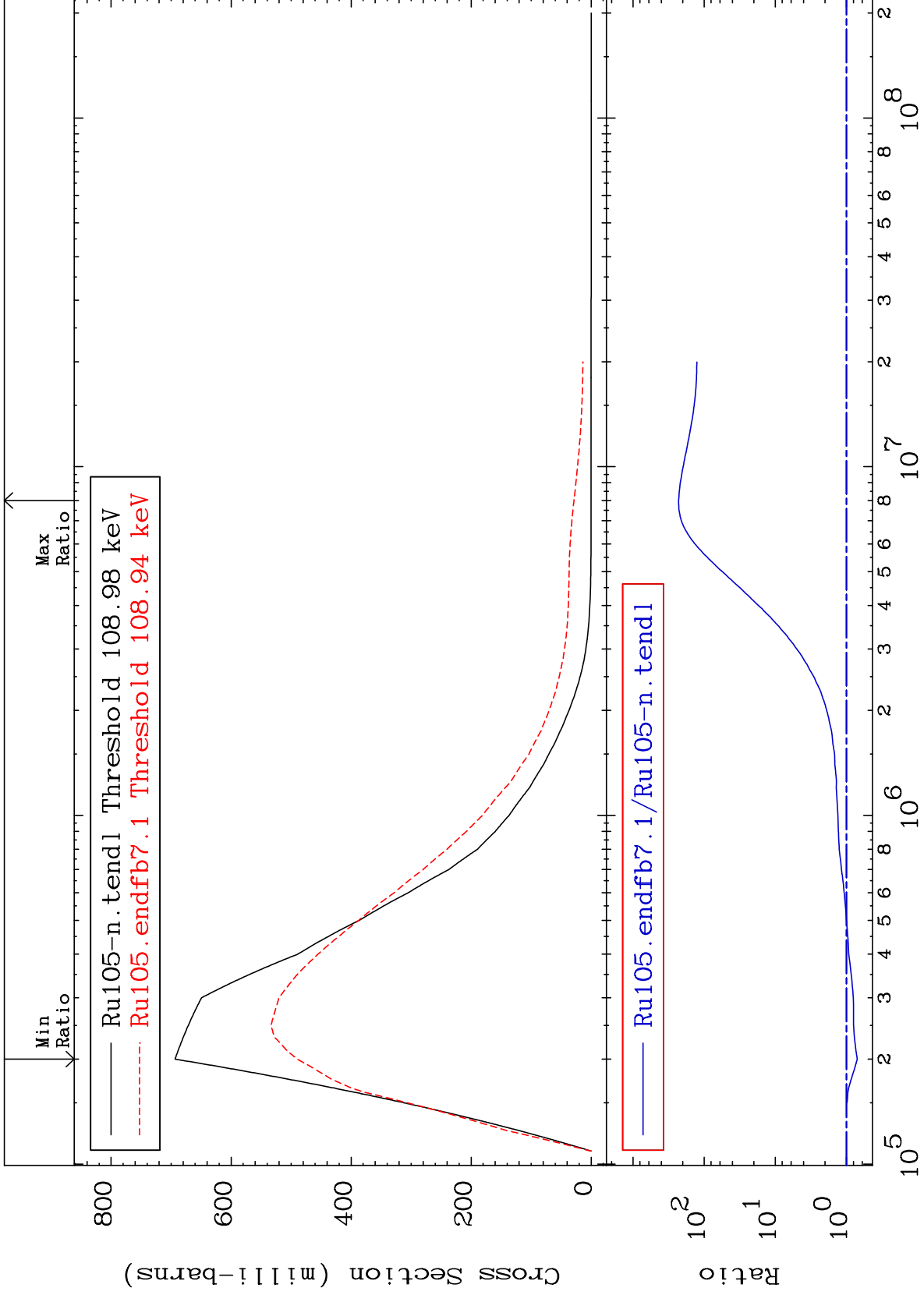
44-Ru-105
-32.86 To 9999. %



MAT 4452

107.9 keV (n,n') Level
Cross Section

44-Ru-105
-29.37 To 9999. %

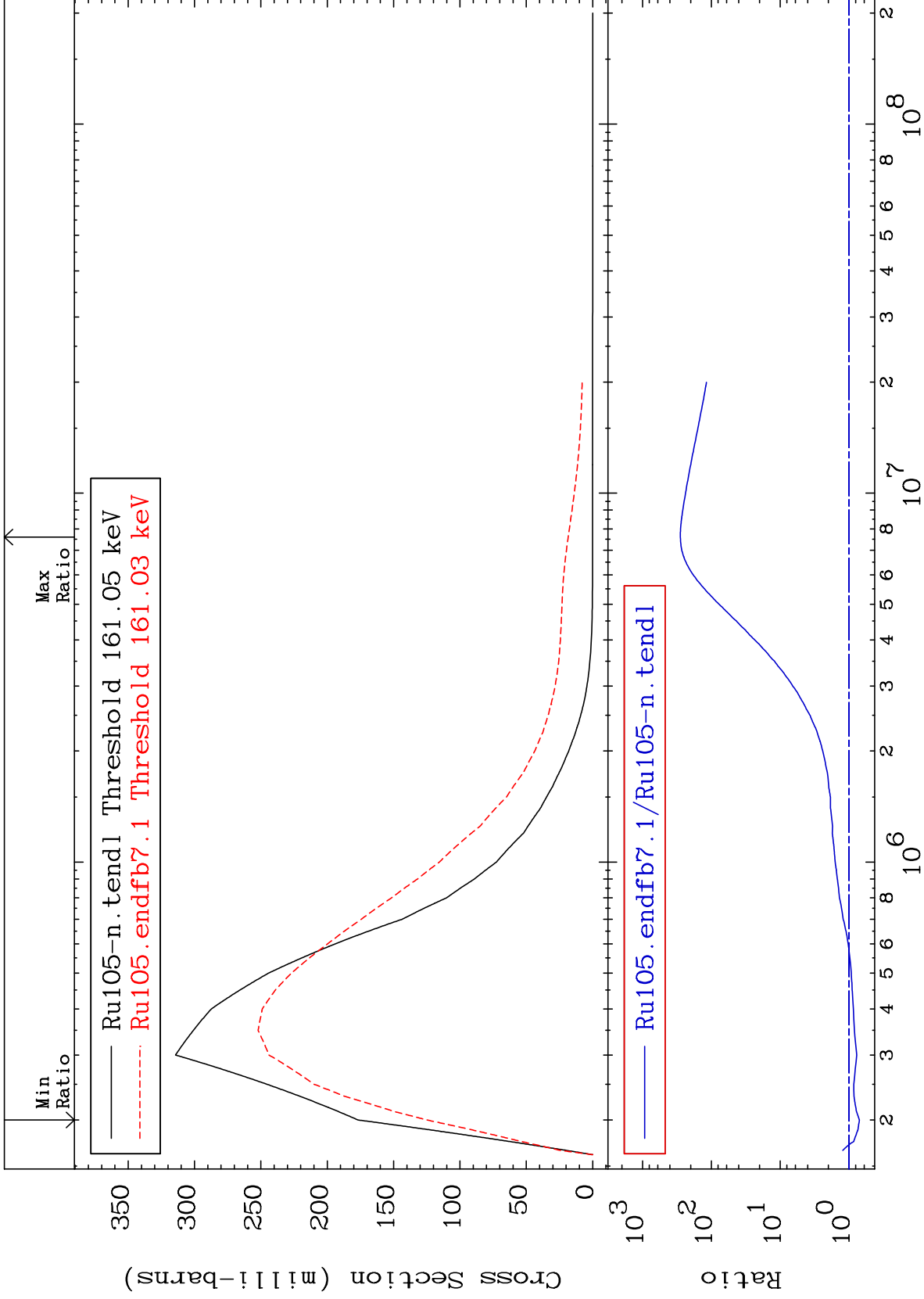


44-Ru-105

MAT 4452

159.5 keV (n,n') Level
Cross Section

44-Ru-105
-29.32 To 9999. %



10

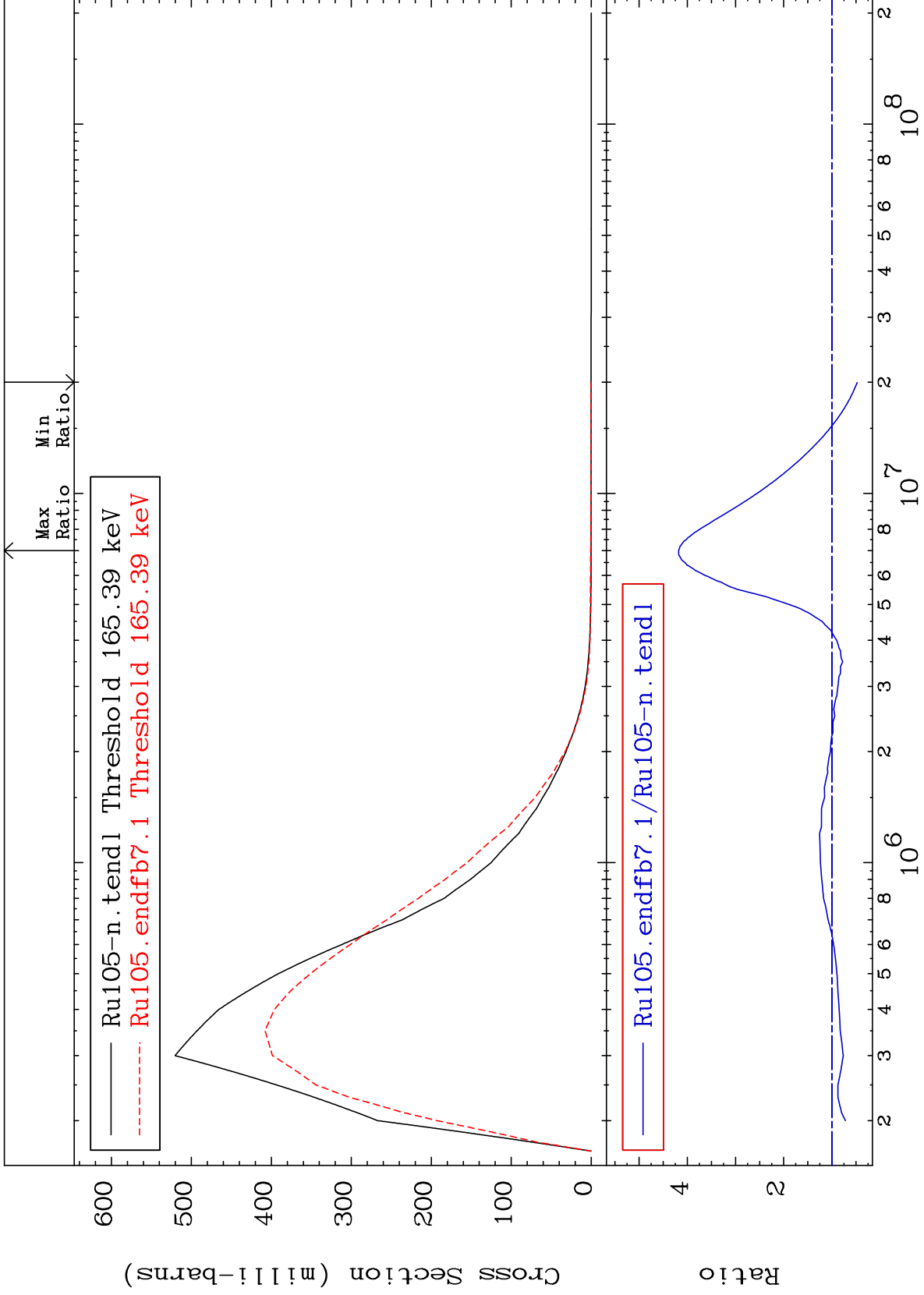
Incident Energy (eV)

44-Ru-105

MAT 4452

163.8 keV (n,n') Level
Cross Section

44-Ru-105
-52.51 To 317.9 %



11

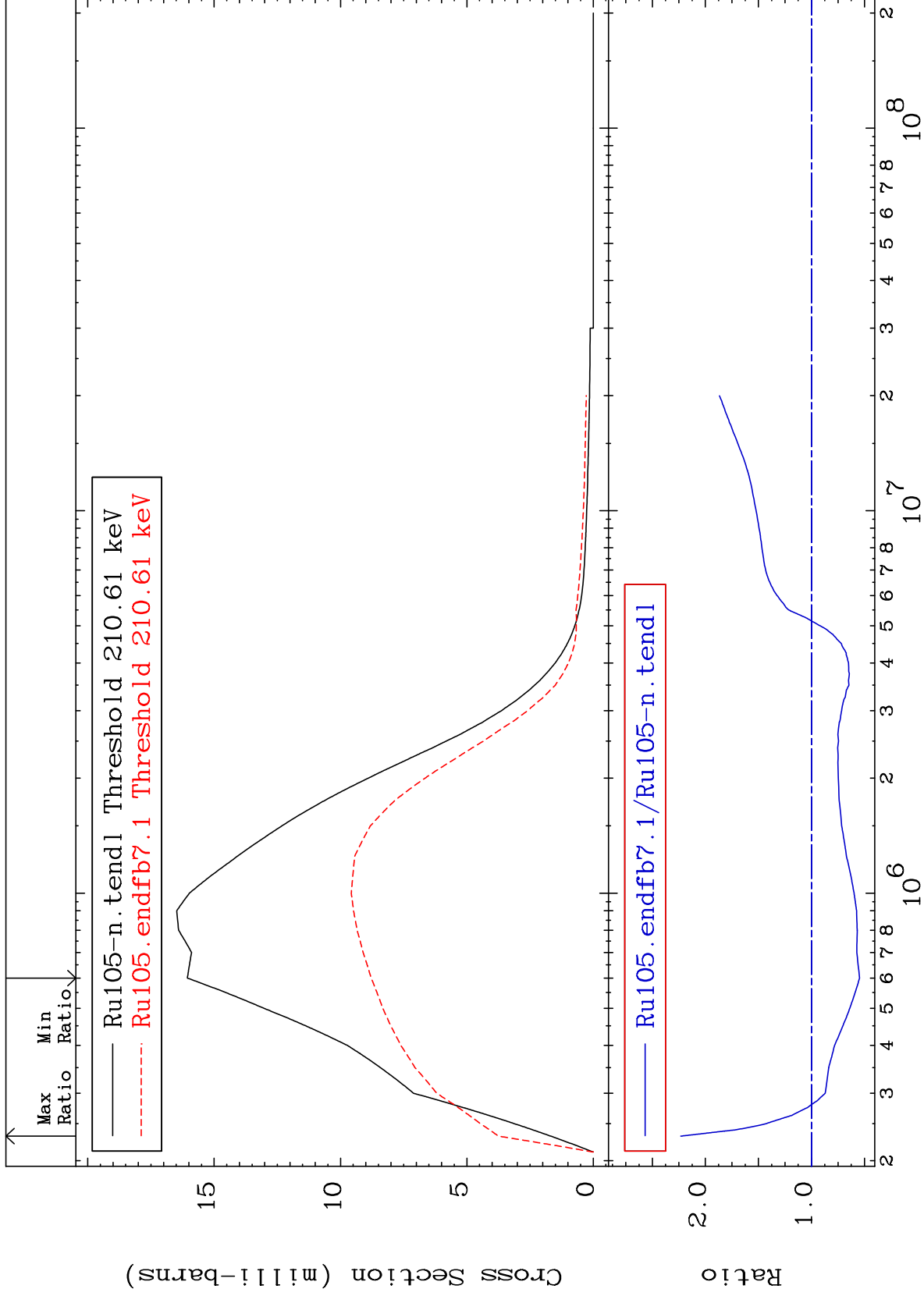
Incident Energy (eV)

44-Ru-105

MAT 4452

208.6 keV (n,n') Level
Cross Section

44-Ru-105
-45.28 To 123.2 %



12

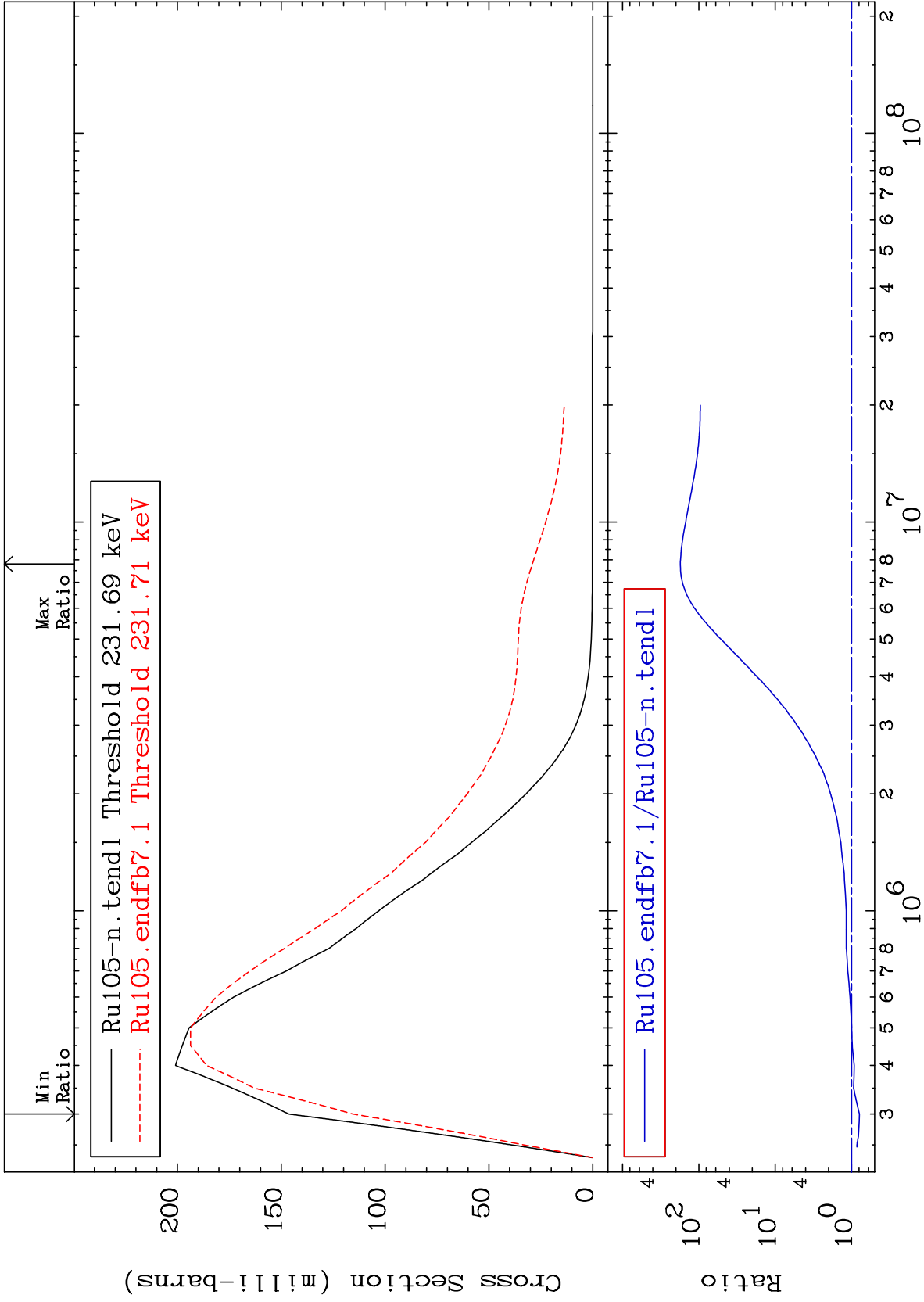
Incident Energy (eV)

44-Ru-105

MAT 4452

229.5 keV (n,n') Level
Cross Section

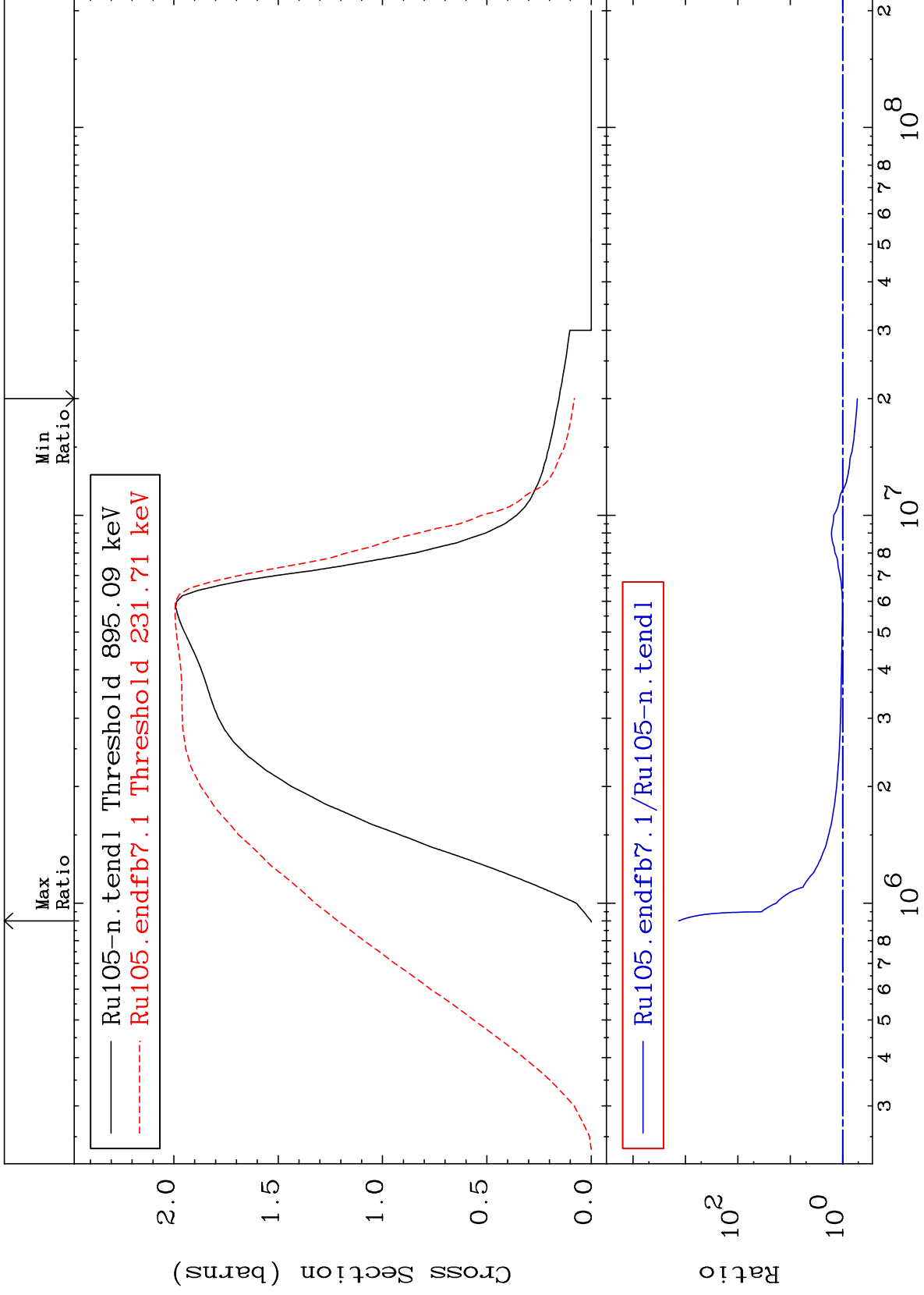
44-Ru-105
-21.12 To 9999. %



MAT 4452

(n, n') Continuum
Cross Section

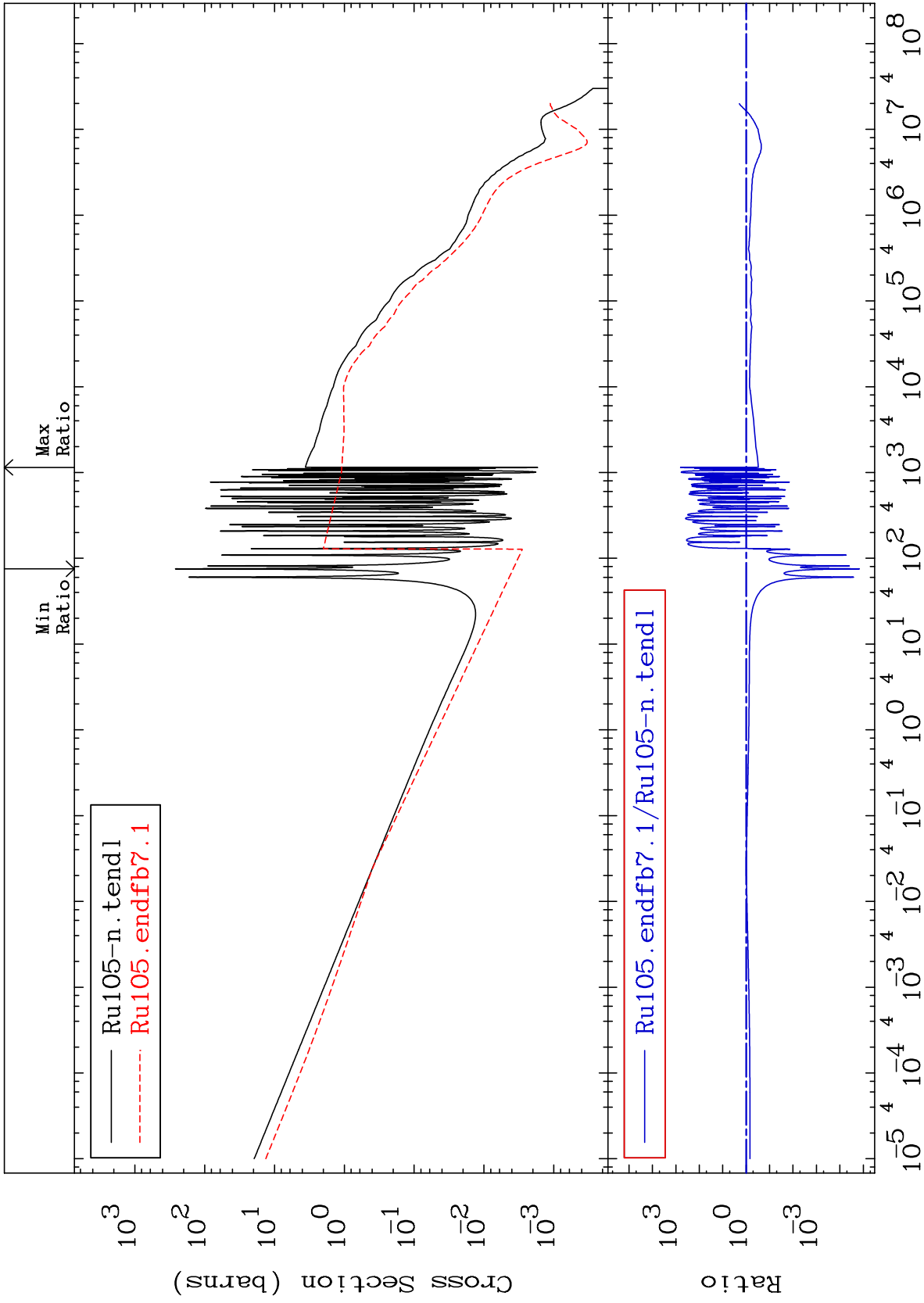
44-Ru-105
-47.52 To 9999. %



MAT 4452

(n, γ)
Cross Section

44-Ru-105
-100.0 To 9999. %



15

Incident Energy (eV)

44-Ru-105

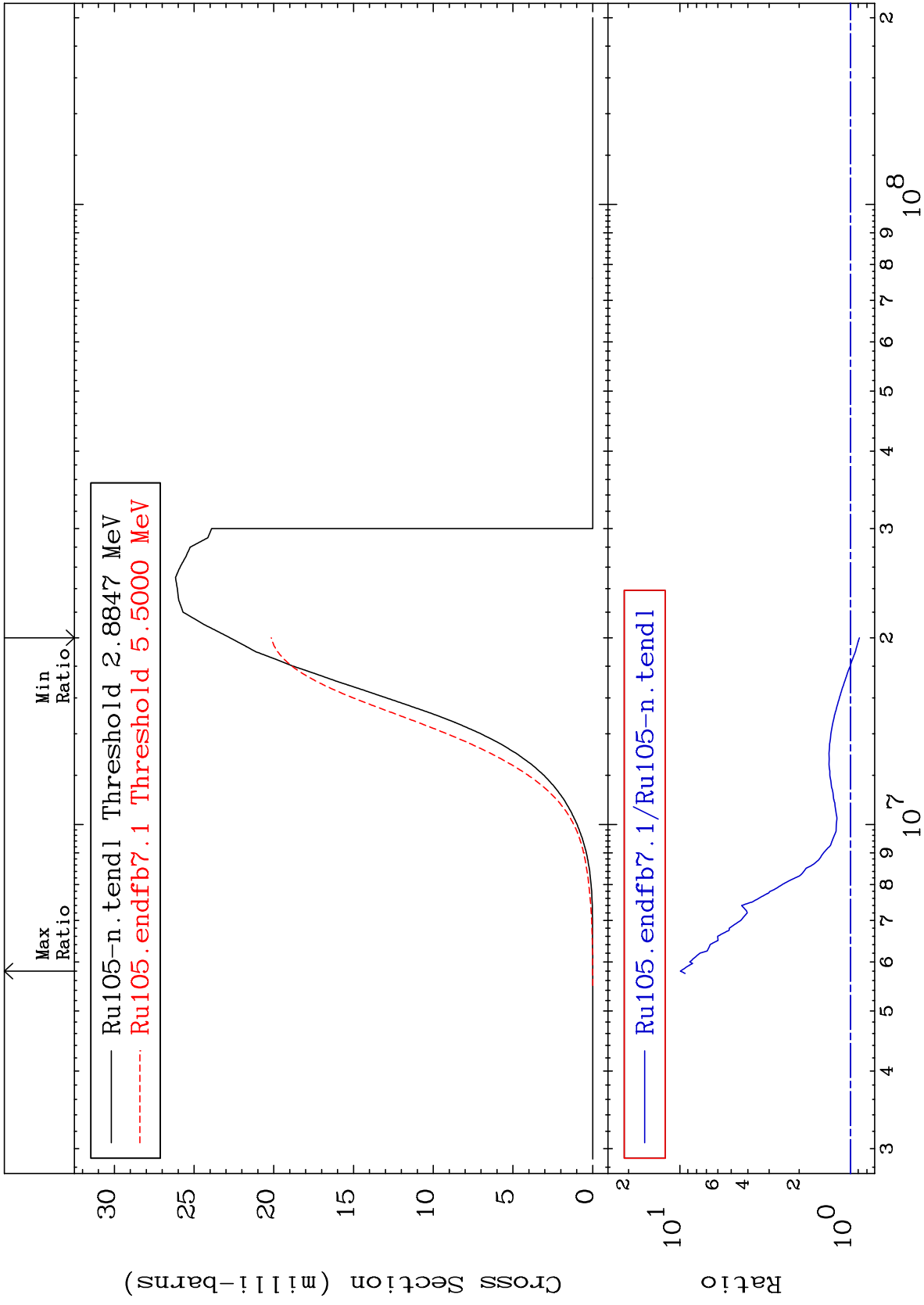
MAT 4452

(n,p)

44-Ru-105

Cross Section

-11.40 To 894.7 %



16

44-Ru-105

44-Ru-105

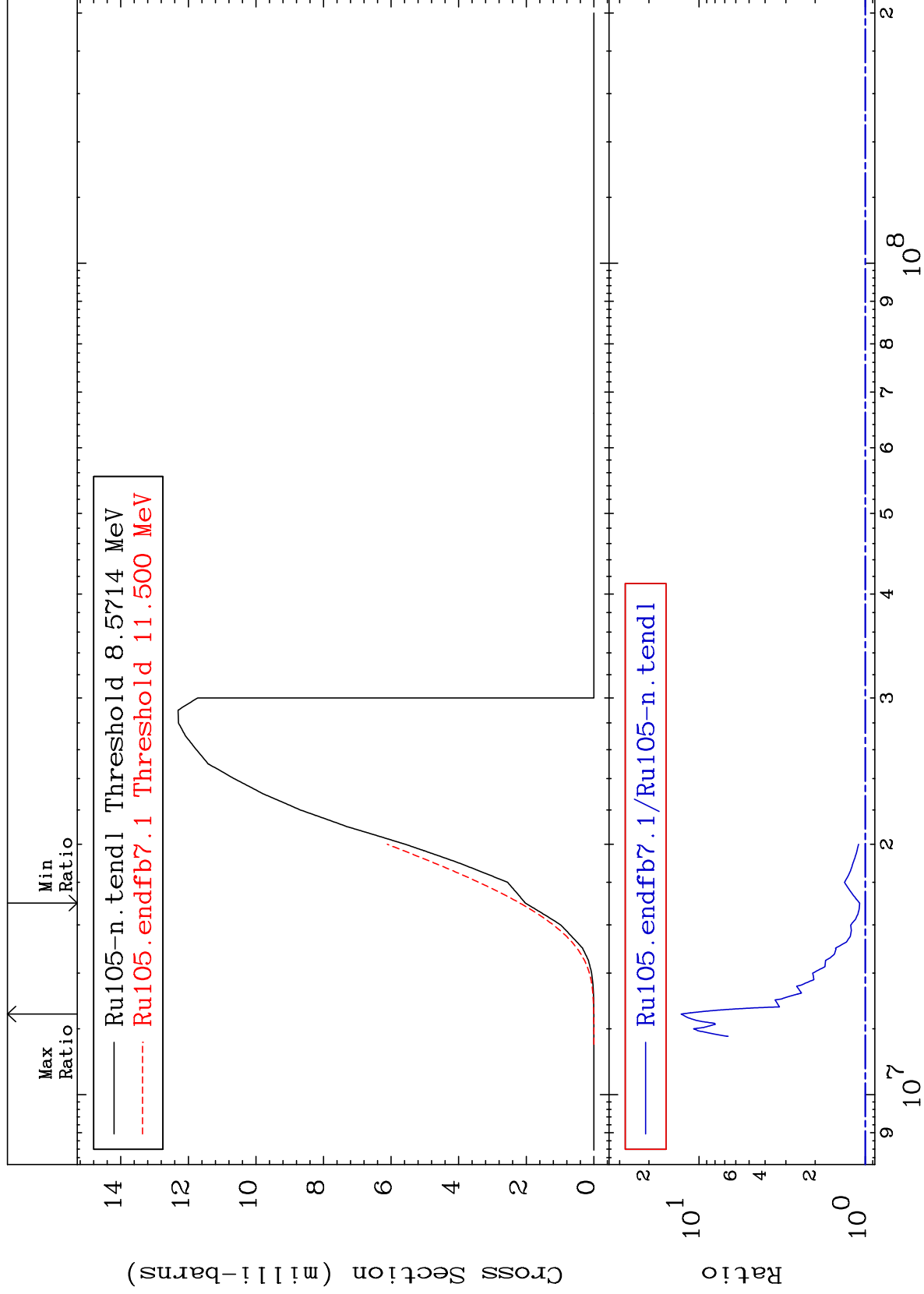
MAT 4452

(n, d)

44-Ru-105

Cross Section

7.962 To 1180. %



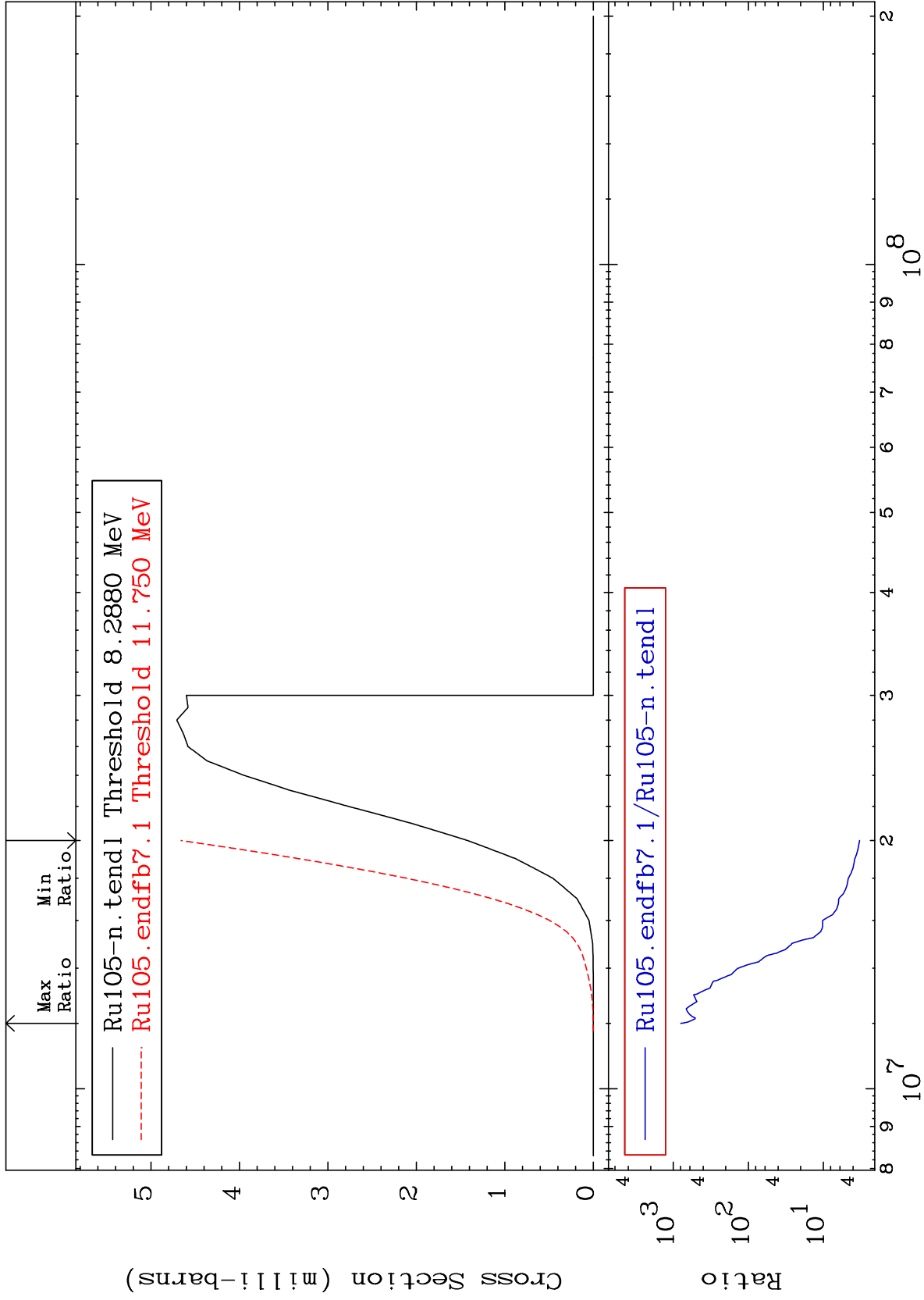
MAT 4452

(n, t)

44-Ru-105

Cross Section

228.2 To 9999. %



18

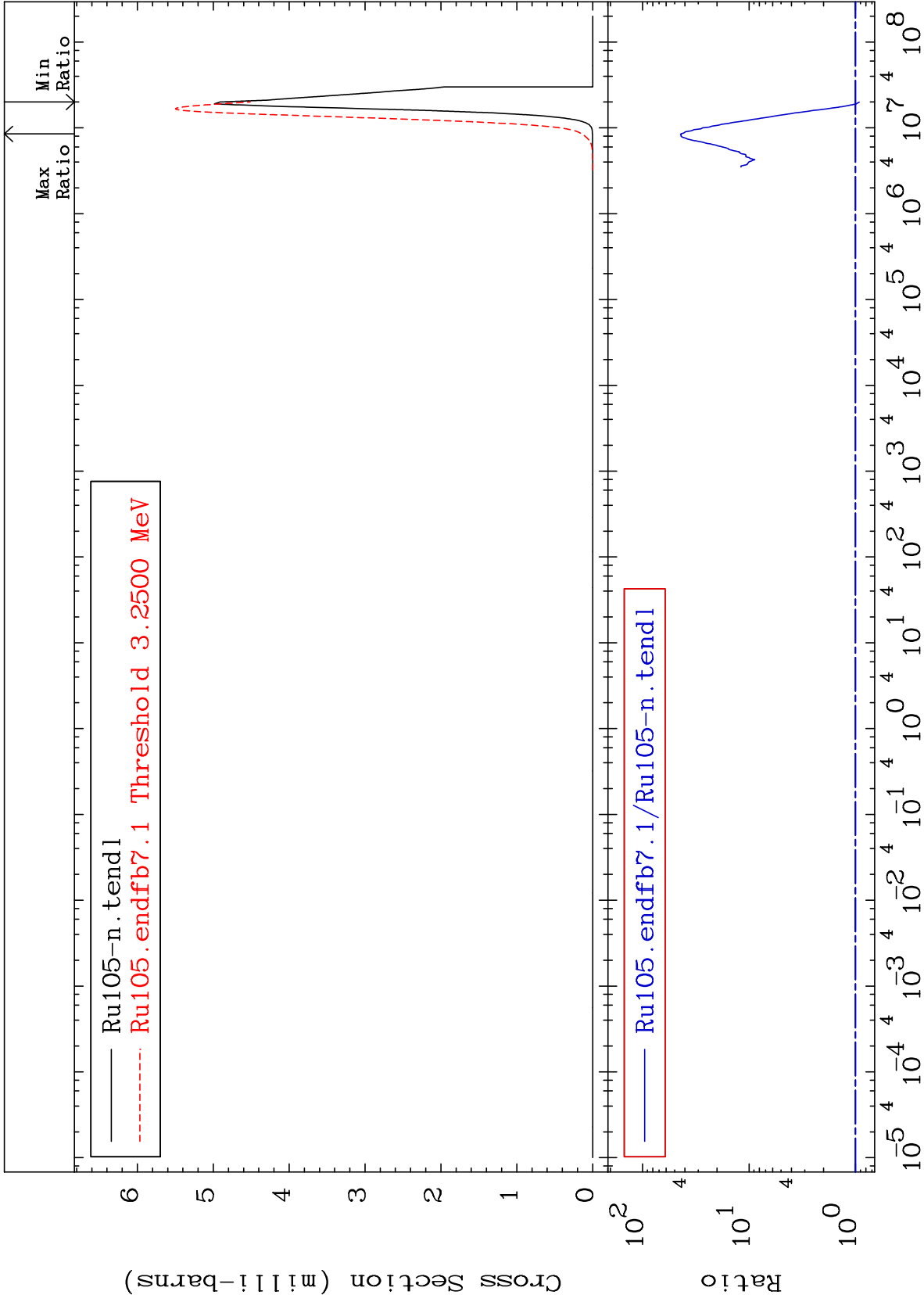
Incident Energy (eV)

44-Ru-105

MAT 4452

(n, α)
Cross Section

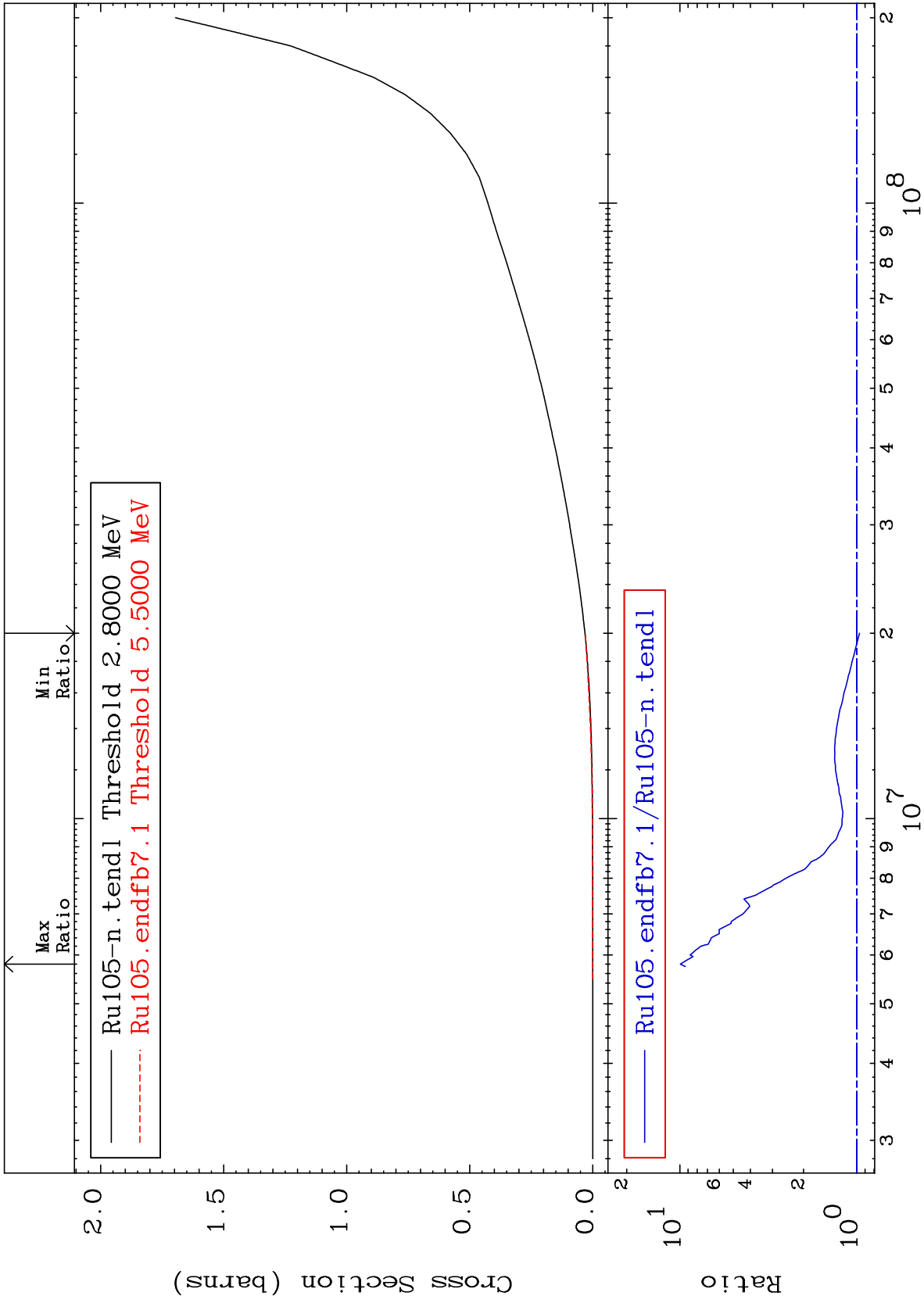
44-Ru-105
-8.107 To 4314. %



MAT 4452

Hydrogen Production
Cross Section

44-Ru-105
-3.261 To 894.7 %



20

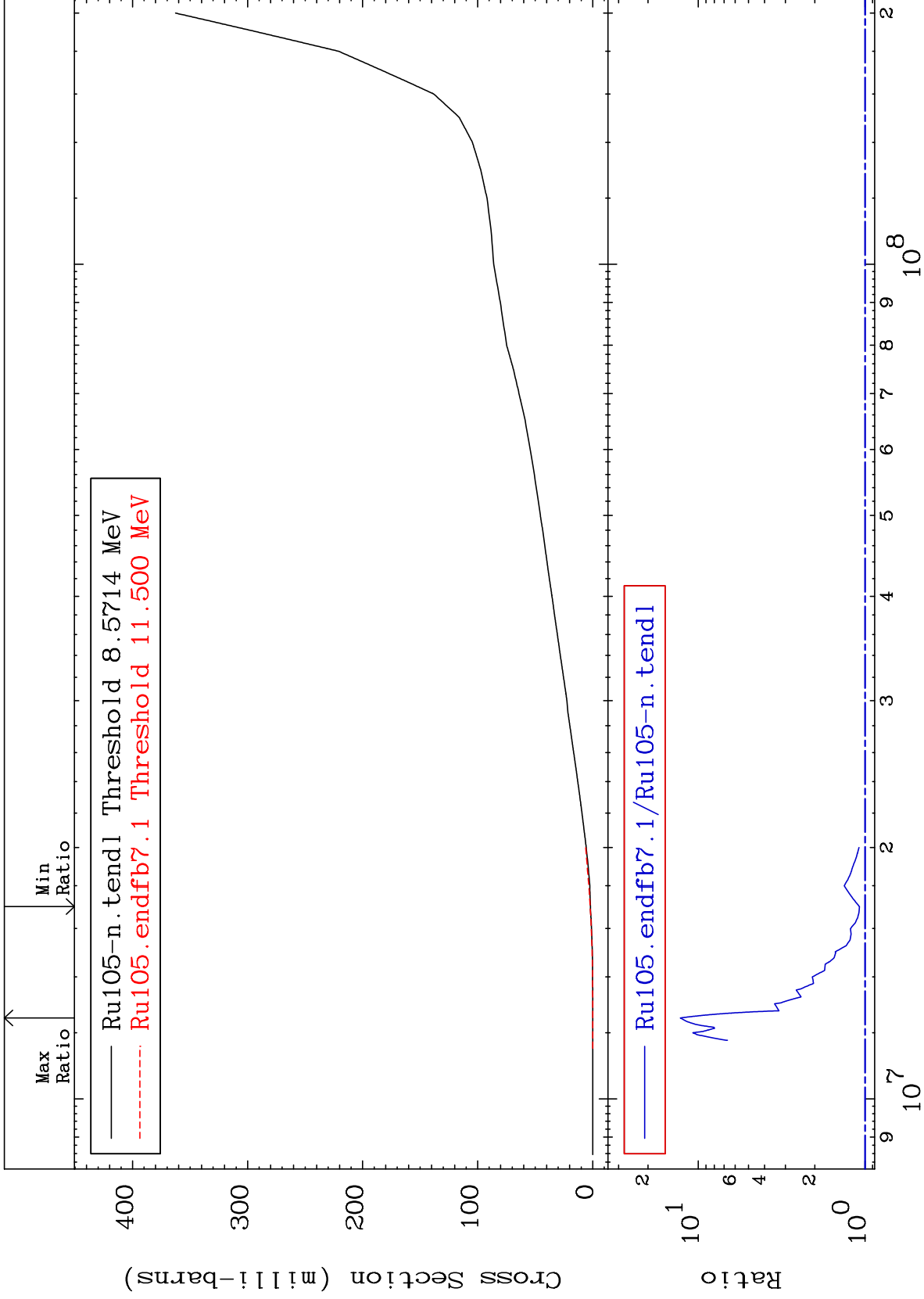
Incident Energy (eV)

44-Ru-105

MAT 4452

Deuterium Production
Cross Section

44-Ru-105
7.962 To 1180. %



21

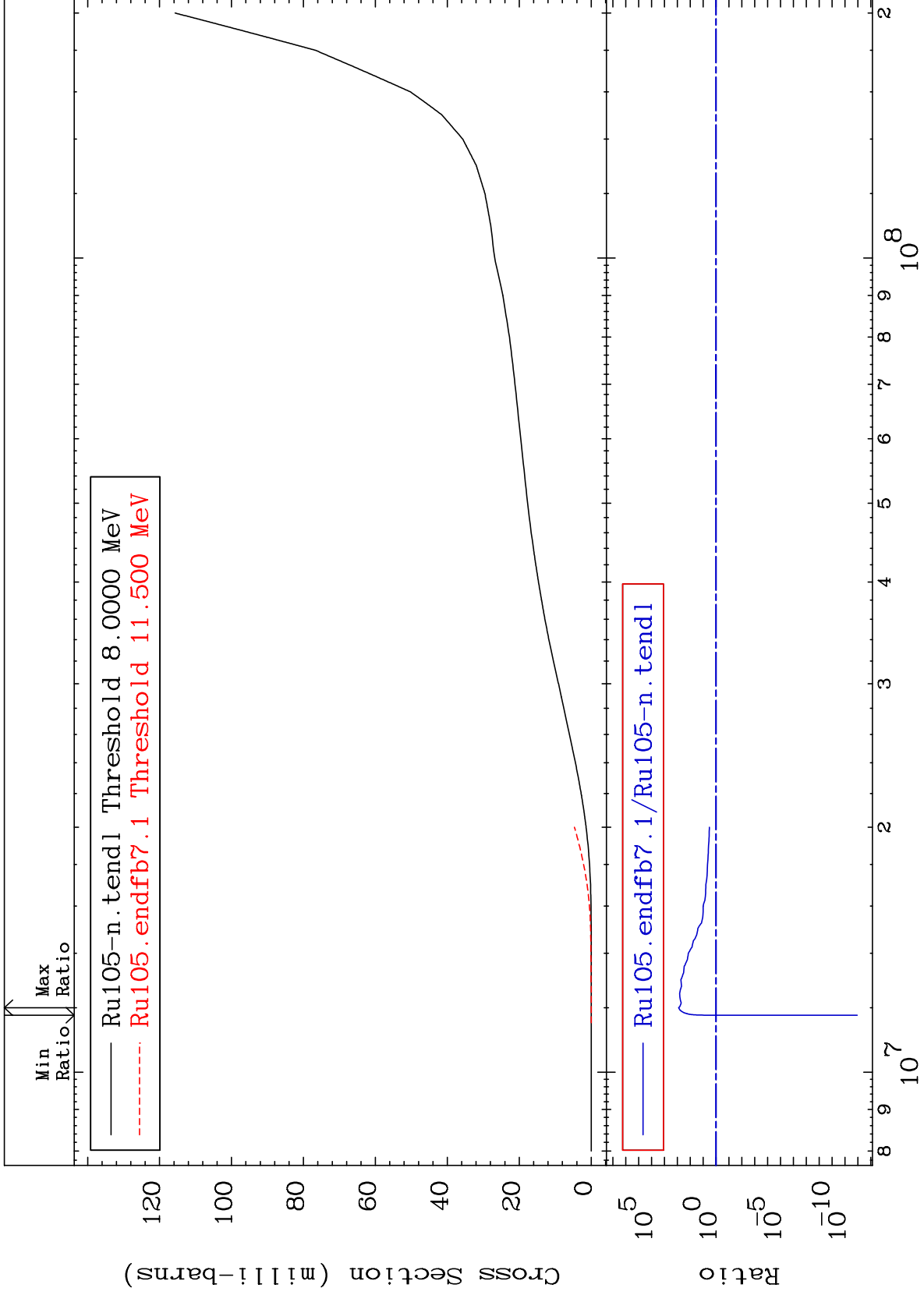
Incident Energy (eV)

44-Ru-105

MAT 4452

Tritium Production
Cross Section

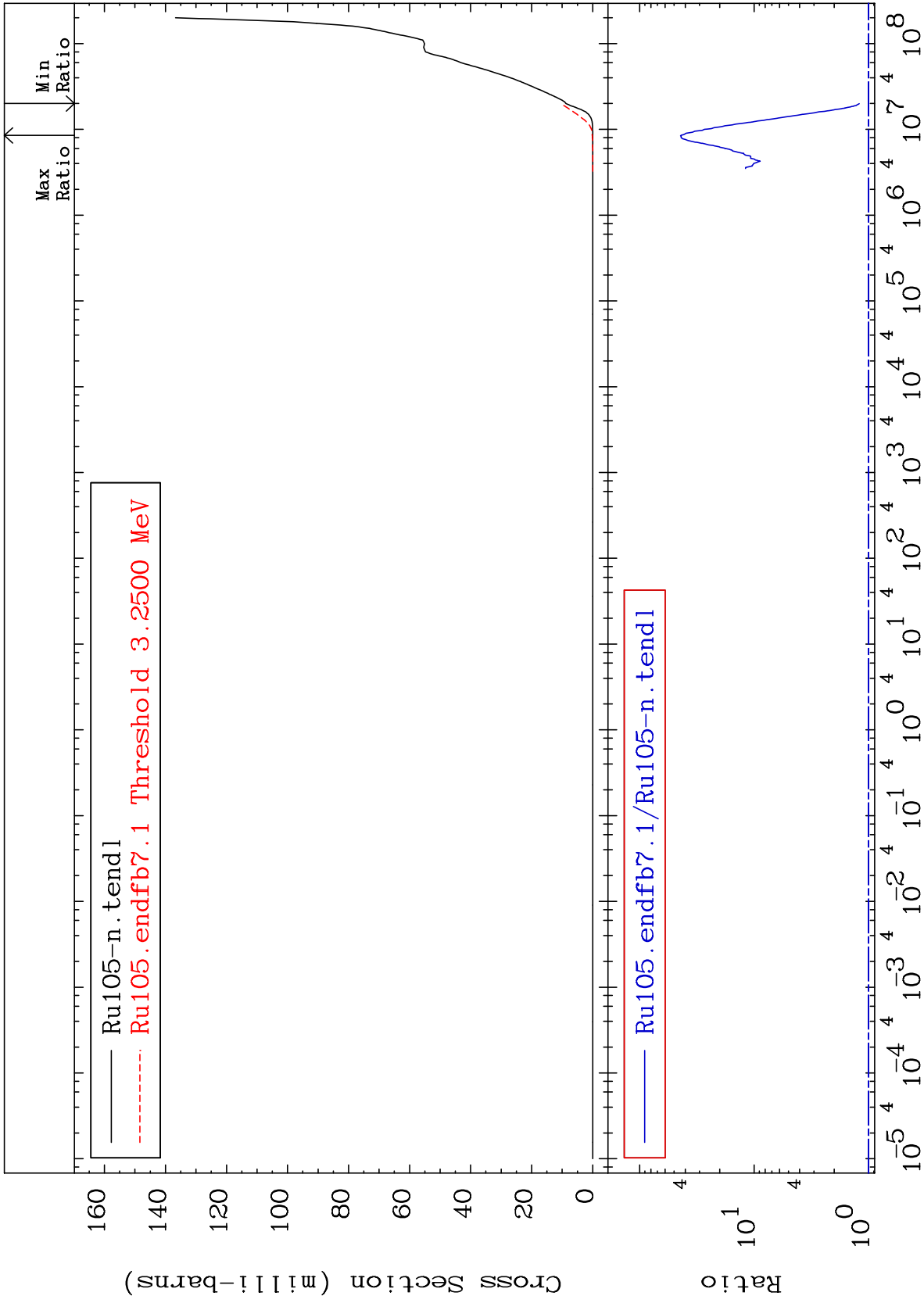
44-Ru-105
-100.0 To 9999. %

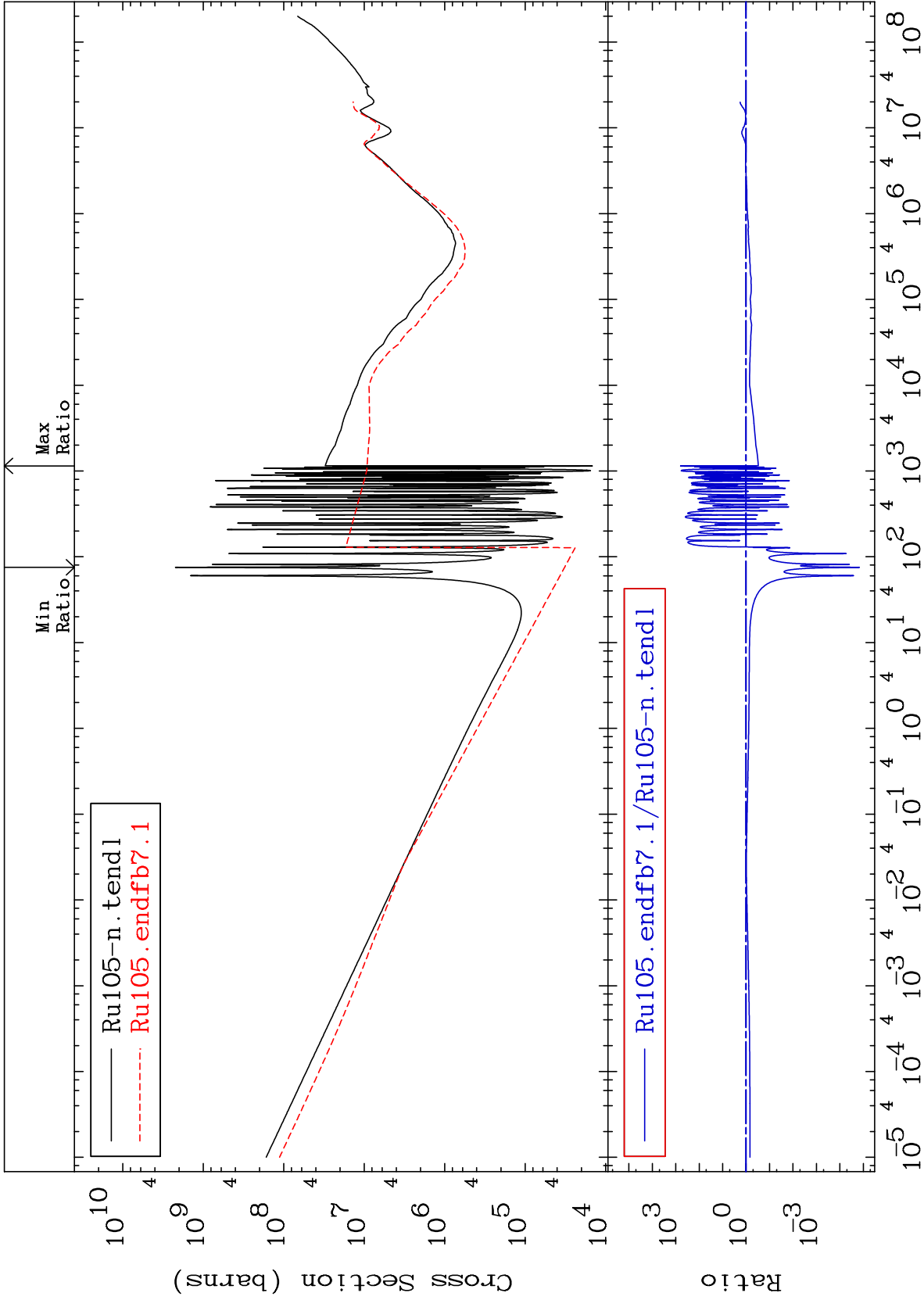


MAT 4452

He-4 Production
Cross Section

44-Ru-105
20.11 To 4314. %

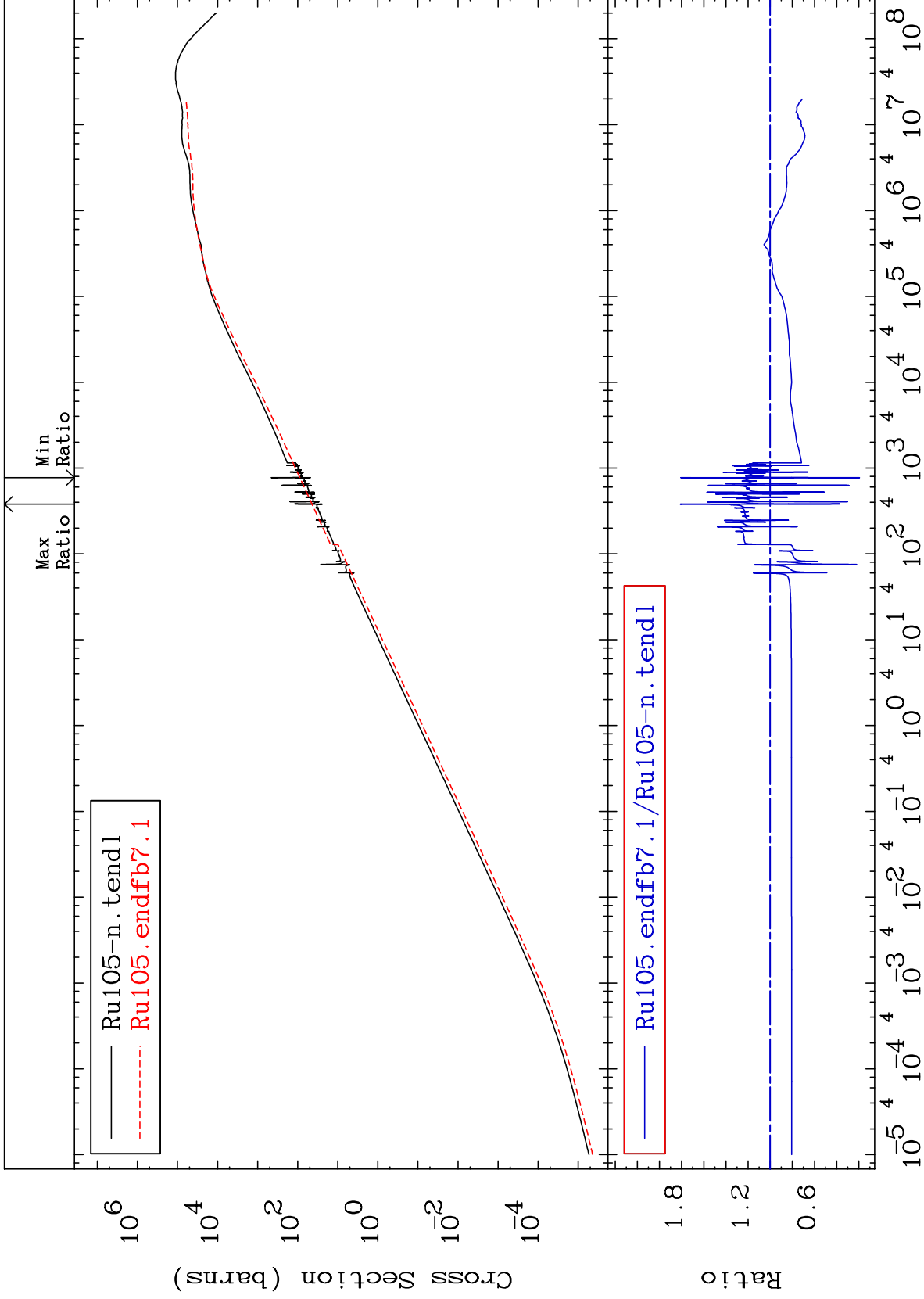


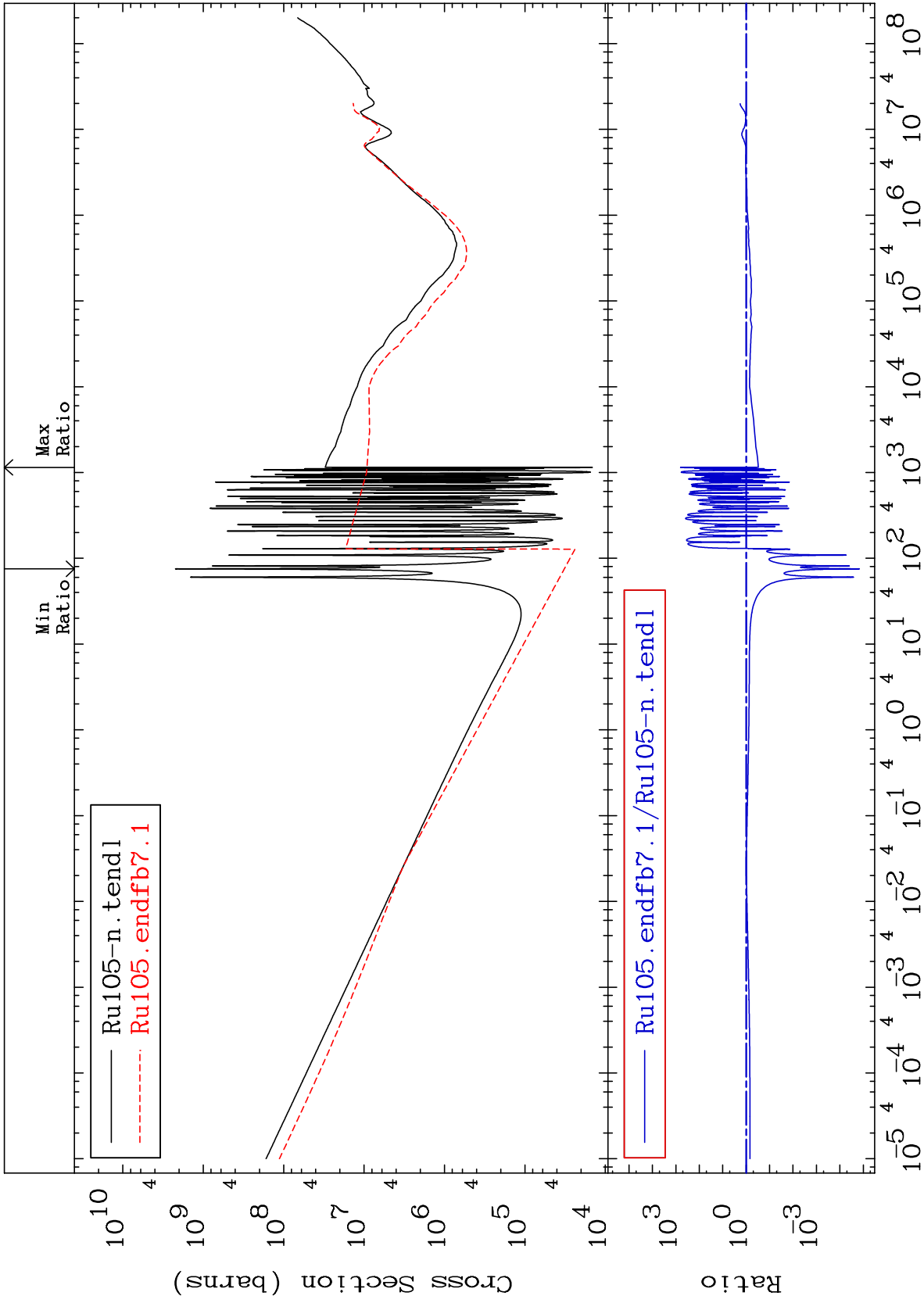


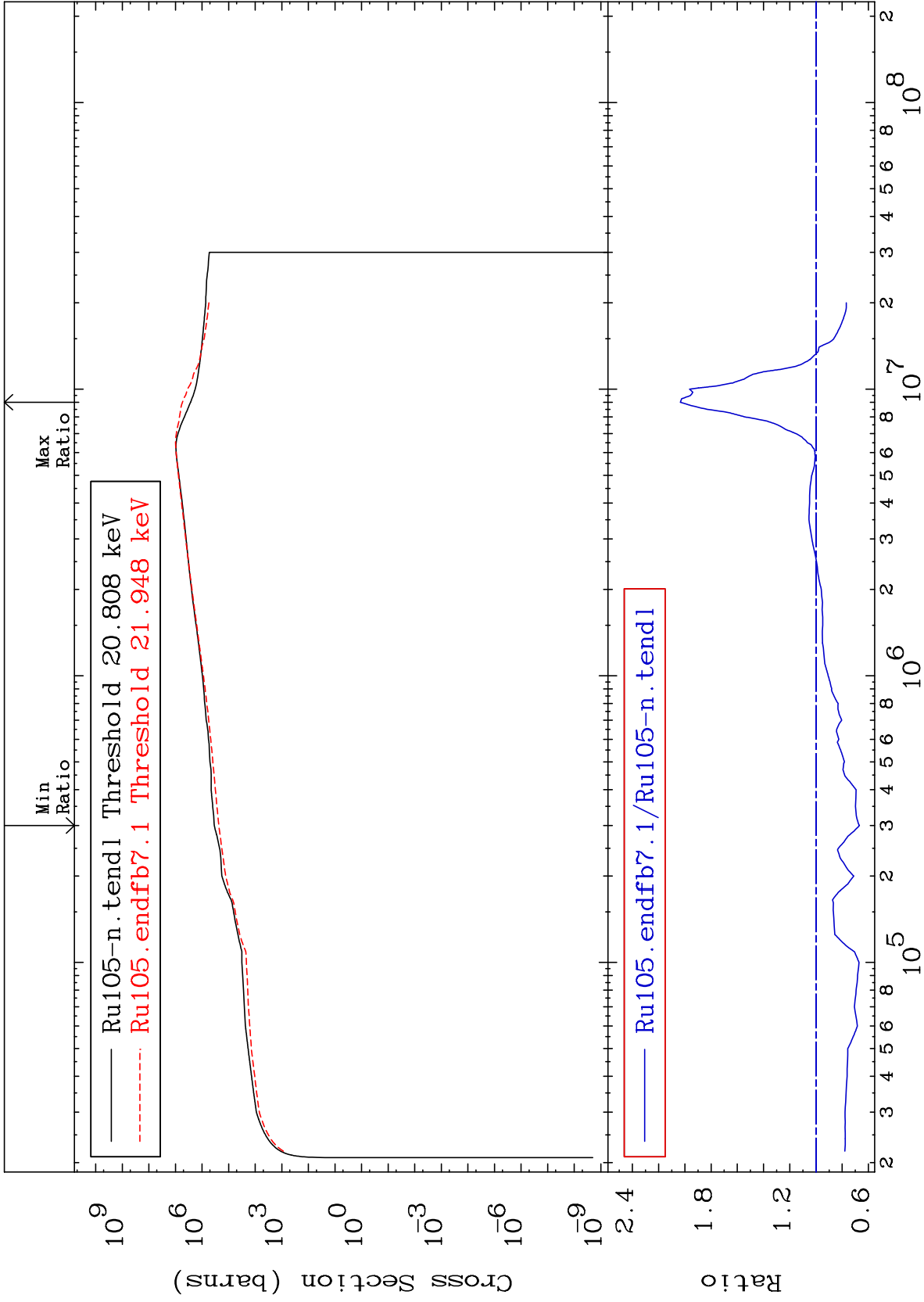
MAT 4452

Kerma elastic
Cross Section

44-Ru-105
-80.56 To 81.14 %



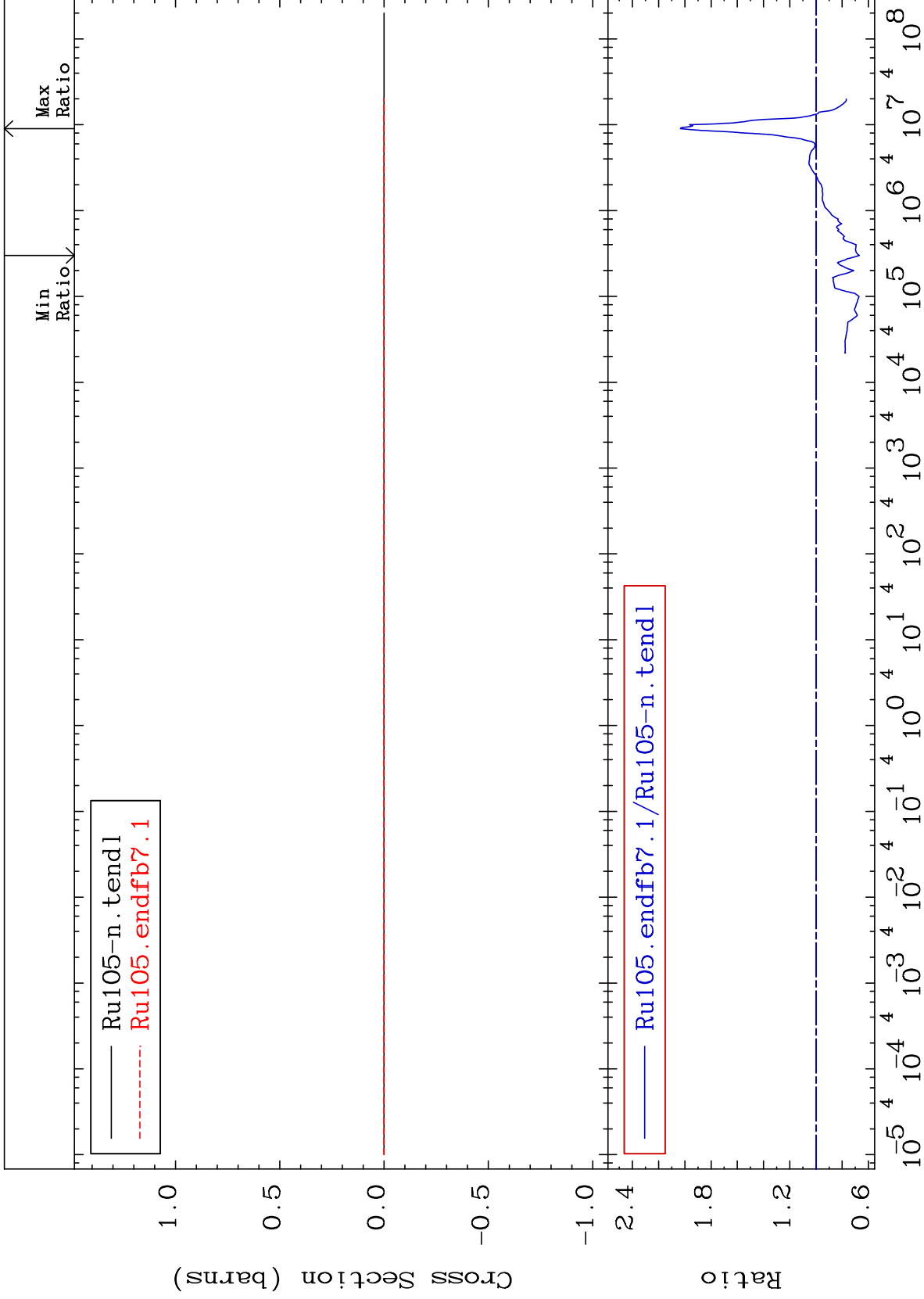


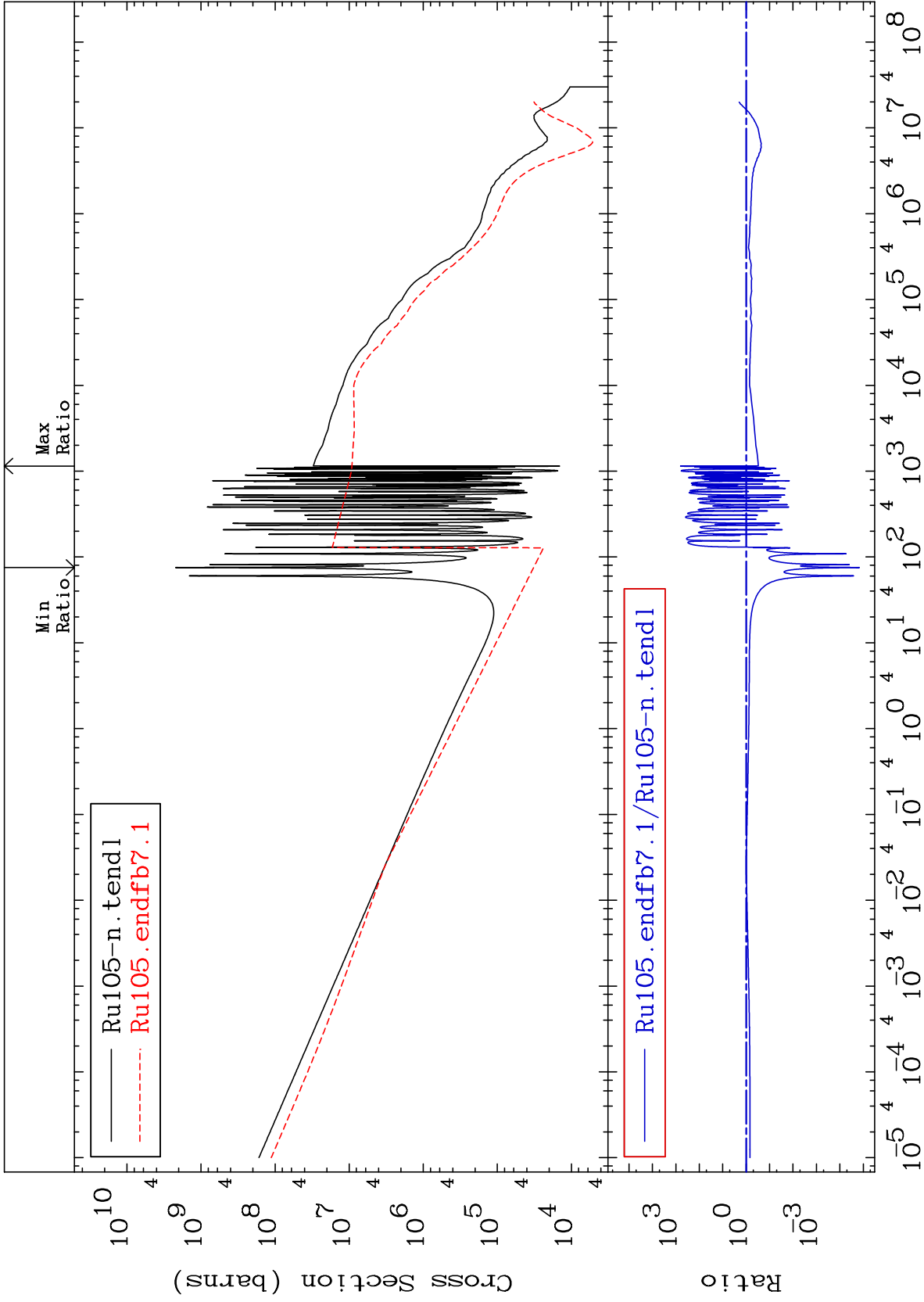


MAT 4452

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

44-Ru-105
-33.12 To 103.4 %

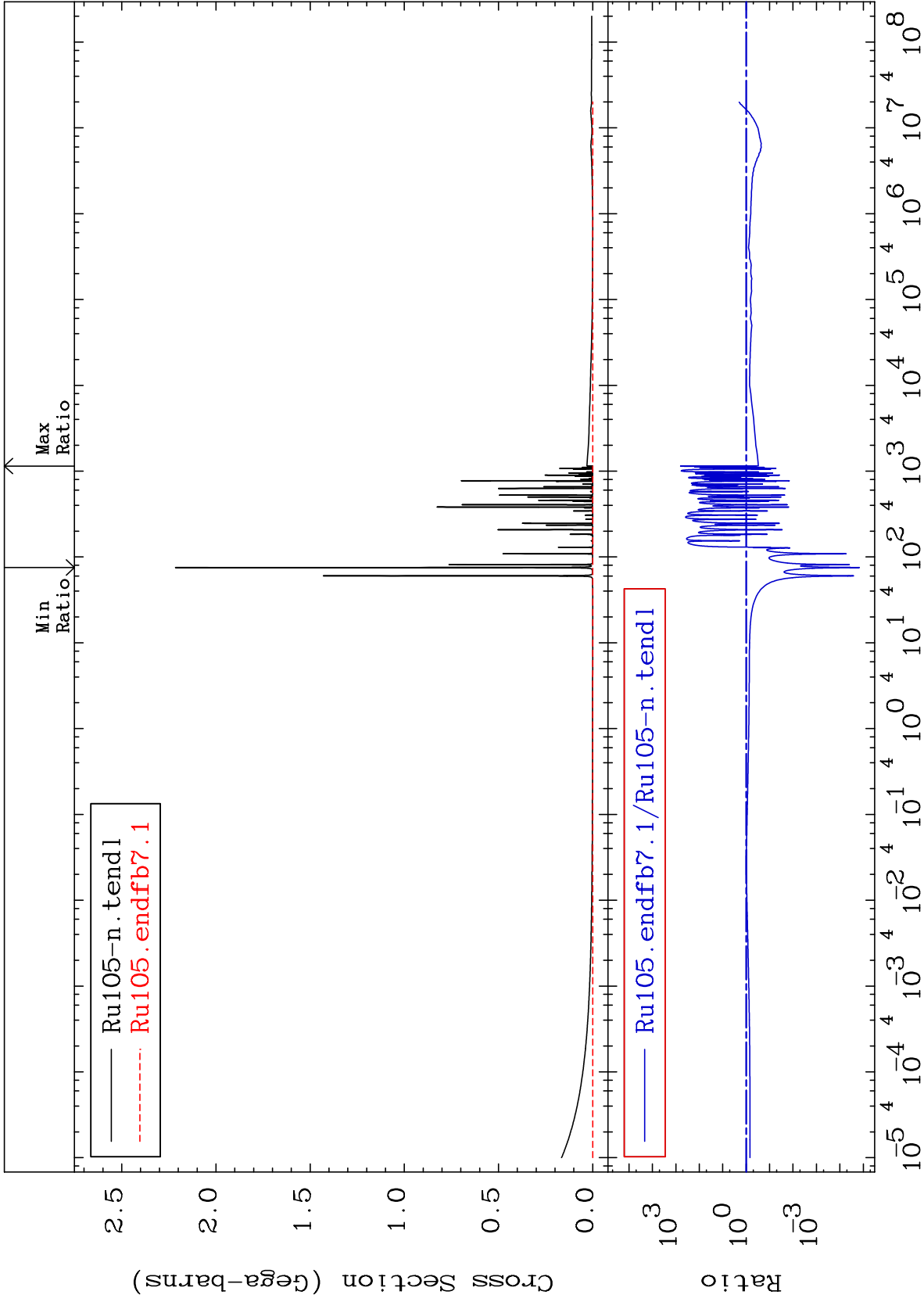




MAT 4452

Total photon (eV-barns)
Cross Section

44-Ru-105
-100.0 To 9999. %



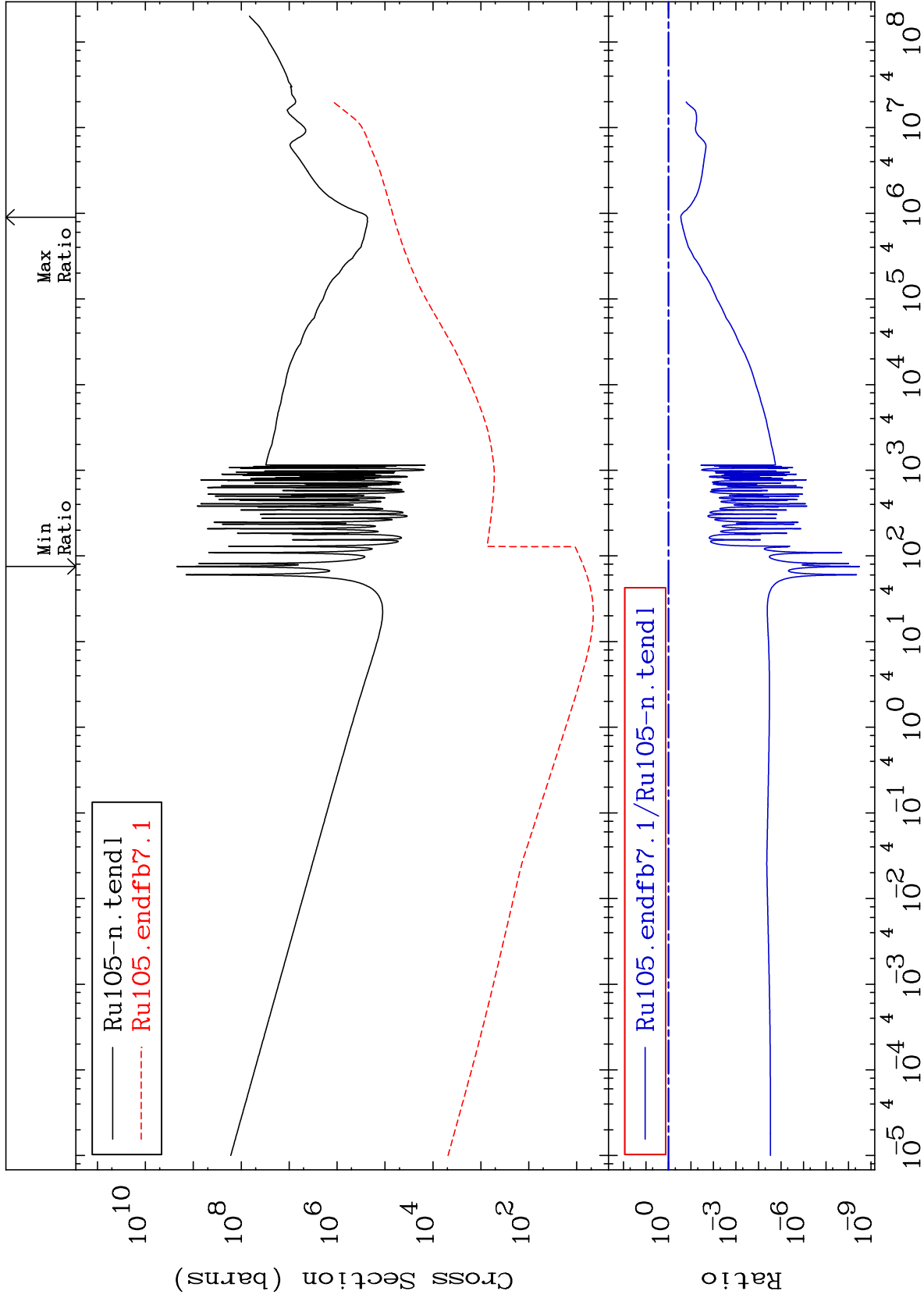
30

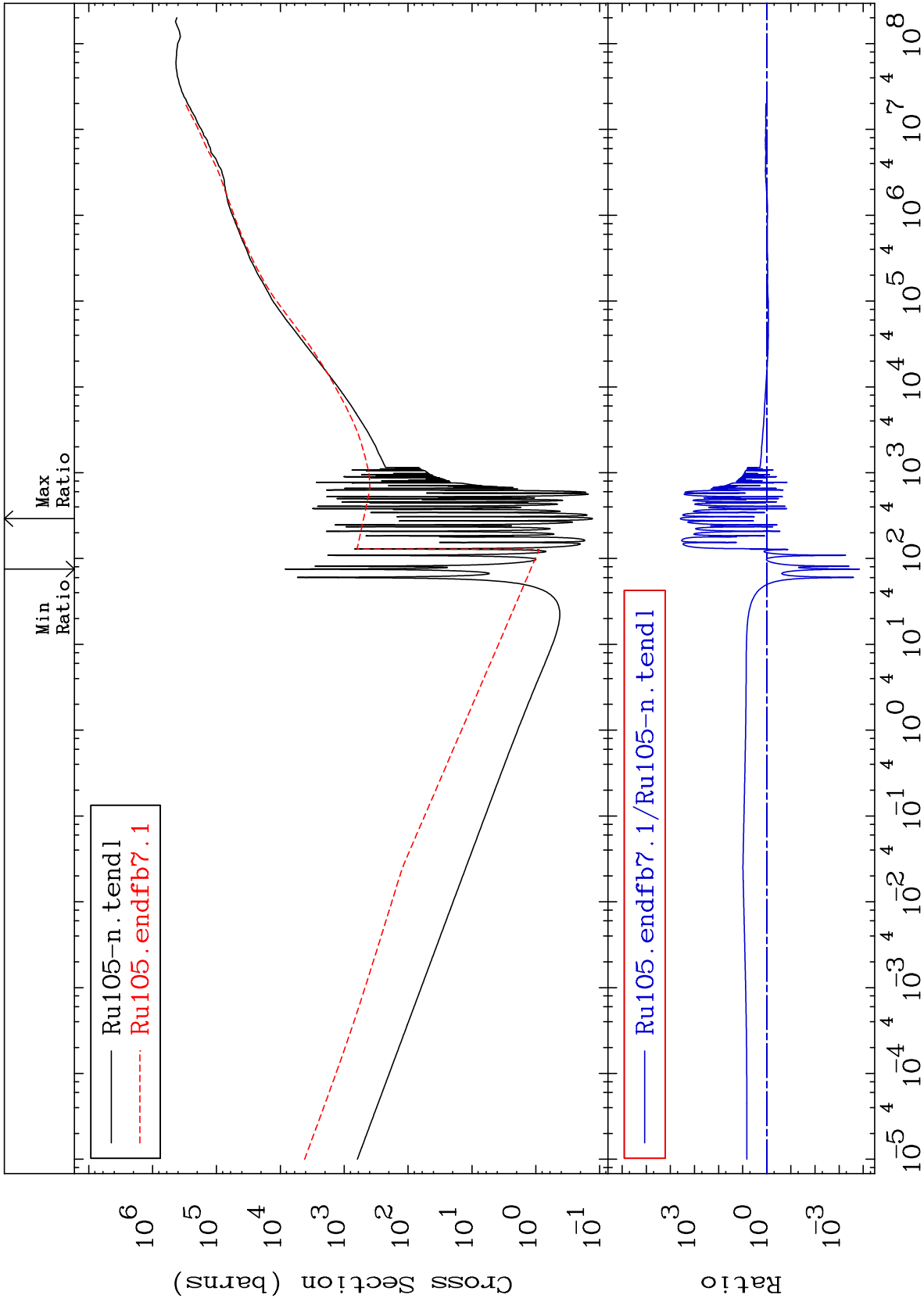
Incident Energy (eV)

44-Ru-105

Cross Section

-100.0 To -71.63%





MAT 4452

Dpa elastic (mt2)
Cross Section

44-Ru-105
-79.49 To 91.32 %

