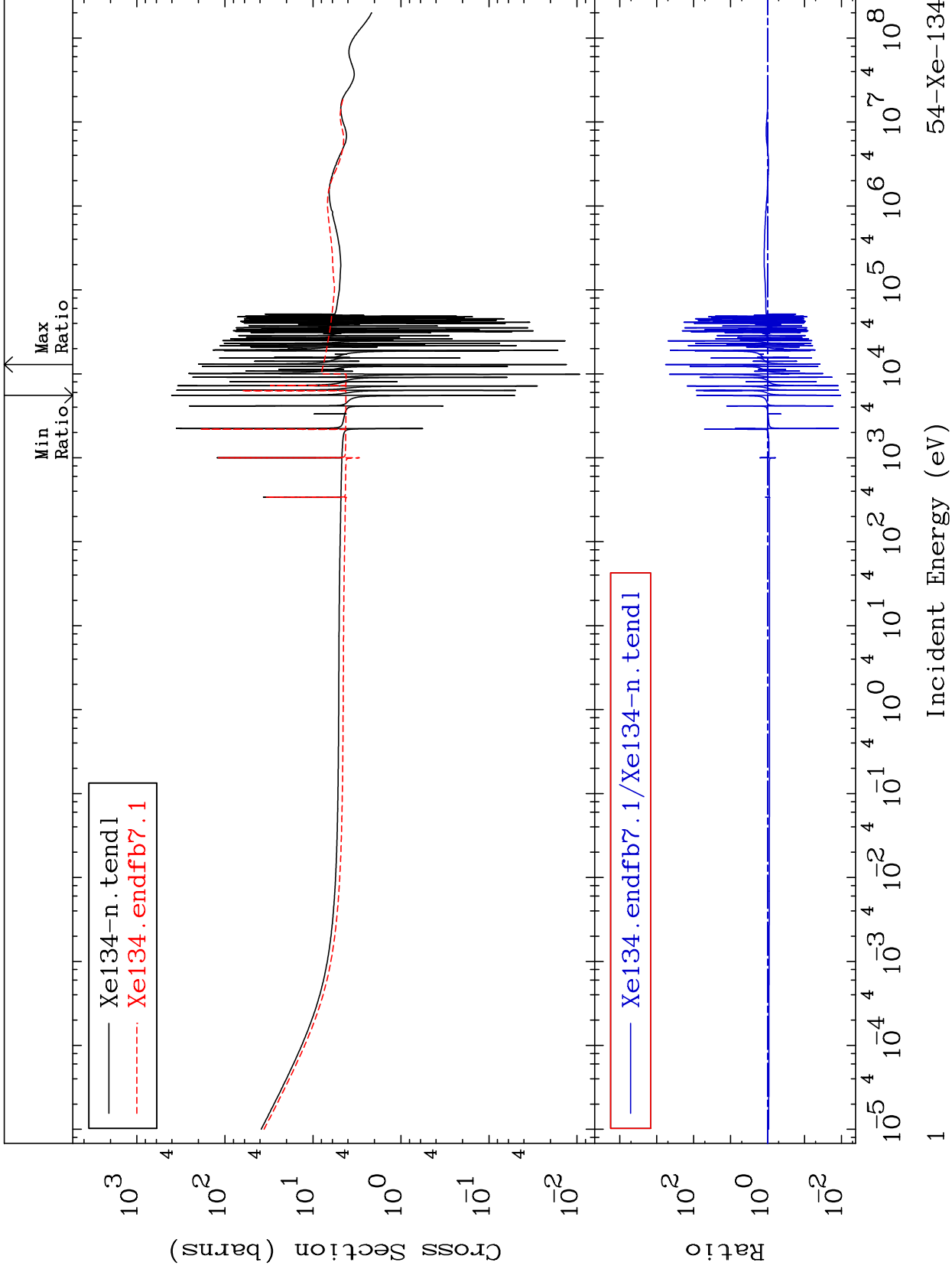


MAT 5455

Total
Cross Section

54-Xe-134
-98.95 To 9999. %



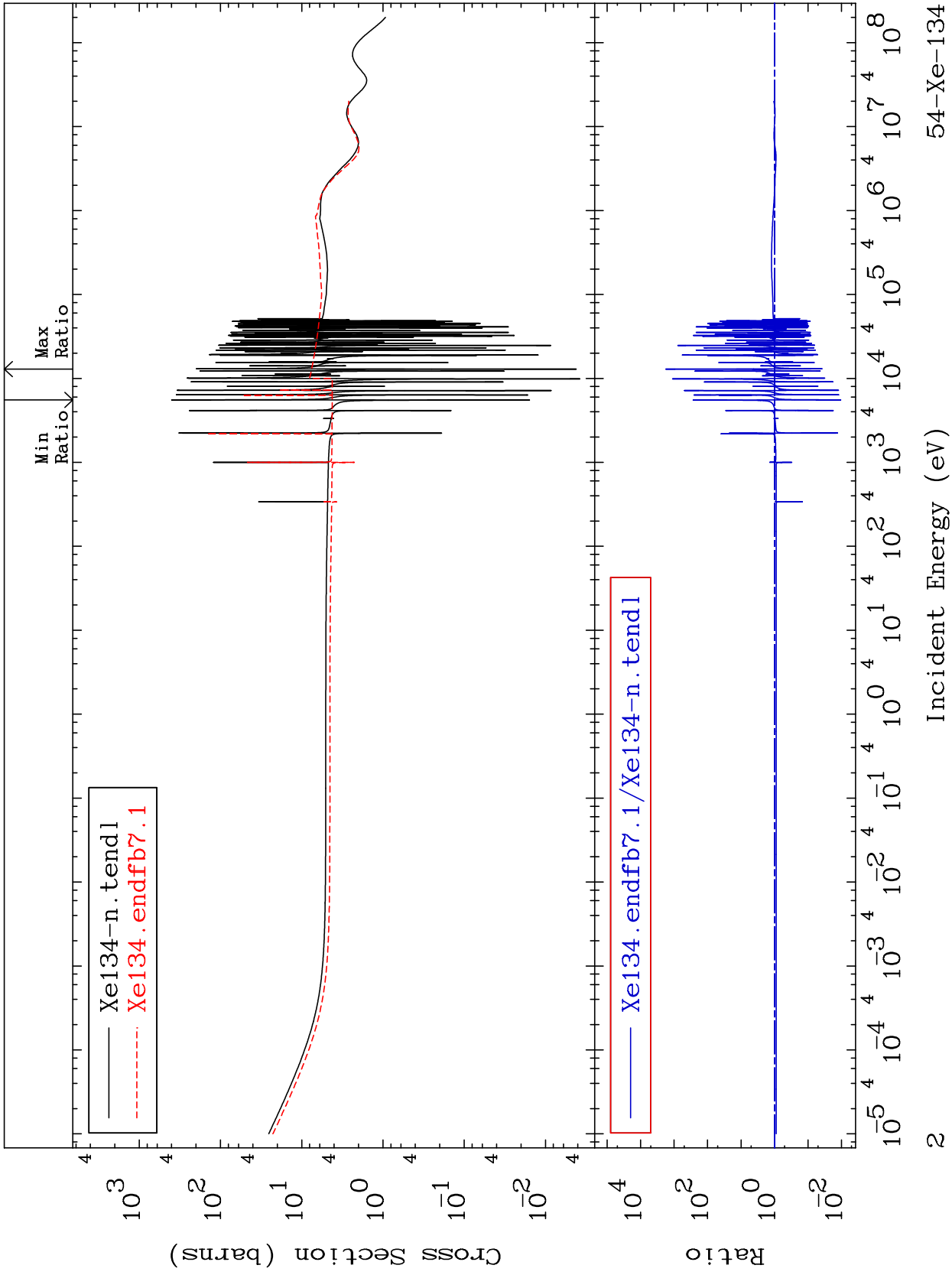
Incident Energy (eV)

54-Xe-134

MAT 5455

Elastic
Cross Section

54-Xe-134
-98.94 To 9999. %

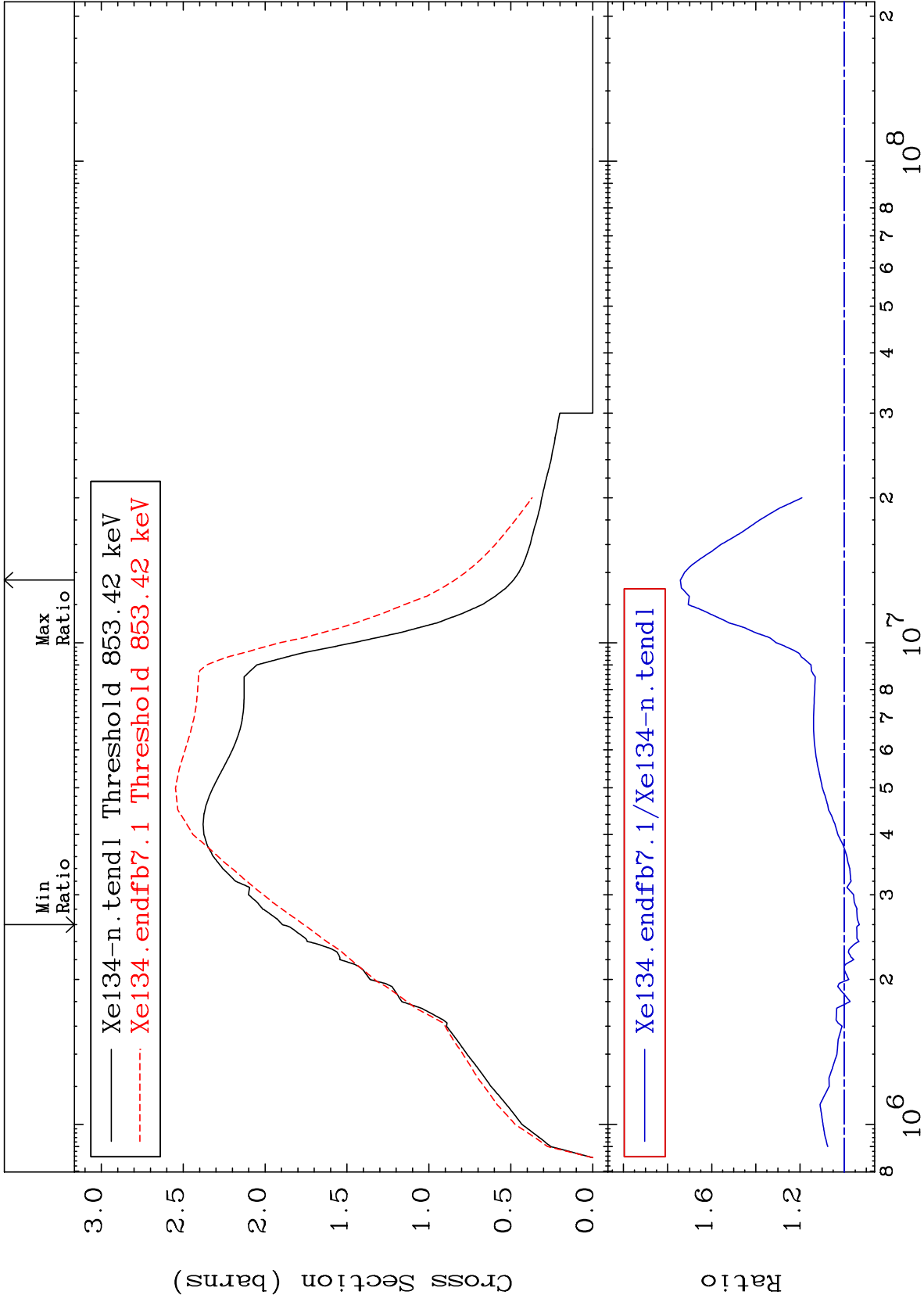


Incident Energy (eV)

54-Xe-134

MAT 5455

Inelastic Cross Section
54-Xe-134
-6.931 To 74.20 %



3 8 10⁶ 10⁷ 10⁸ 2 54-Xe-134

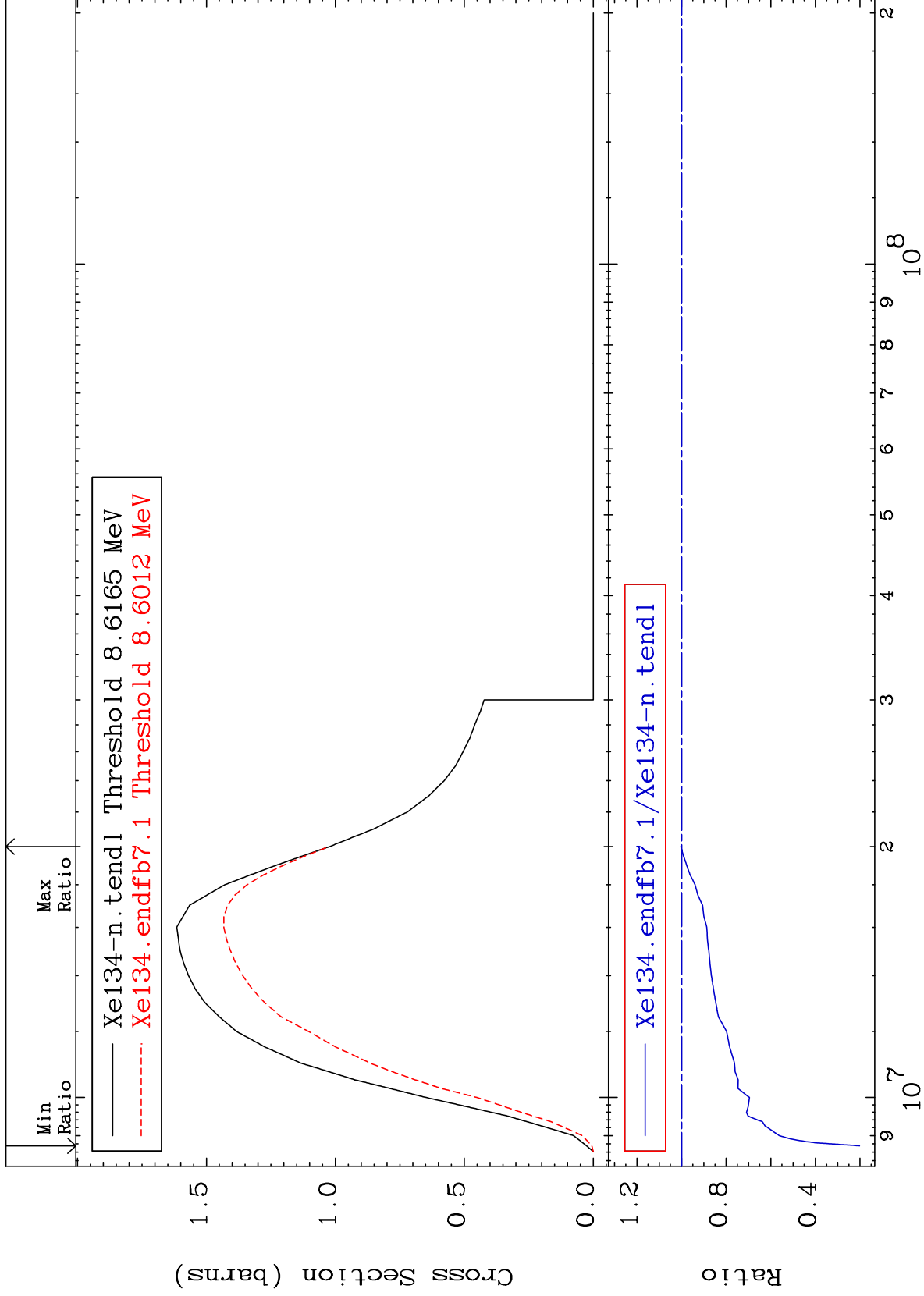
MAT 5455

(n,2n)

54-Xe-134

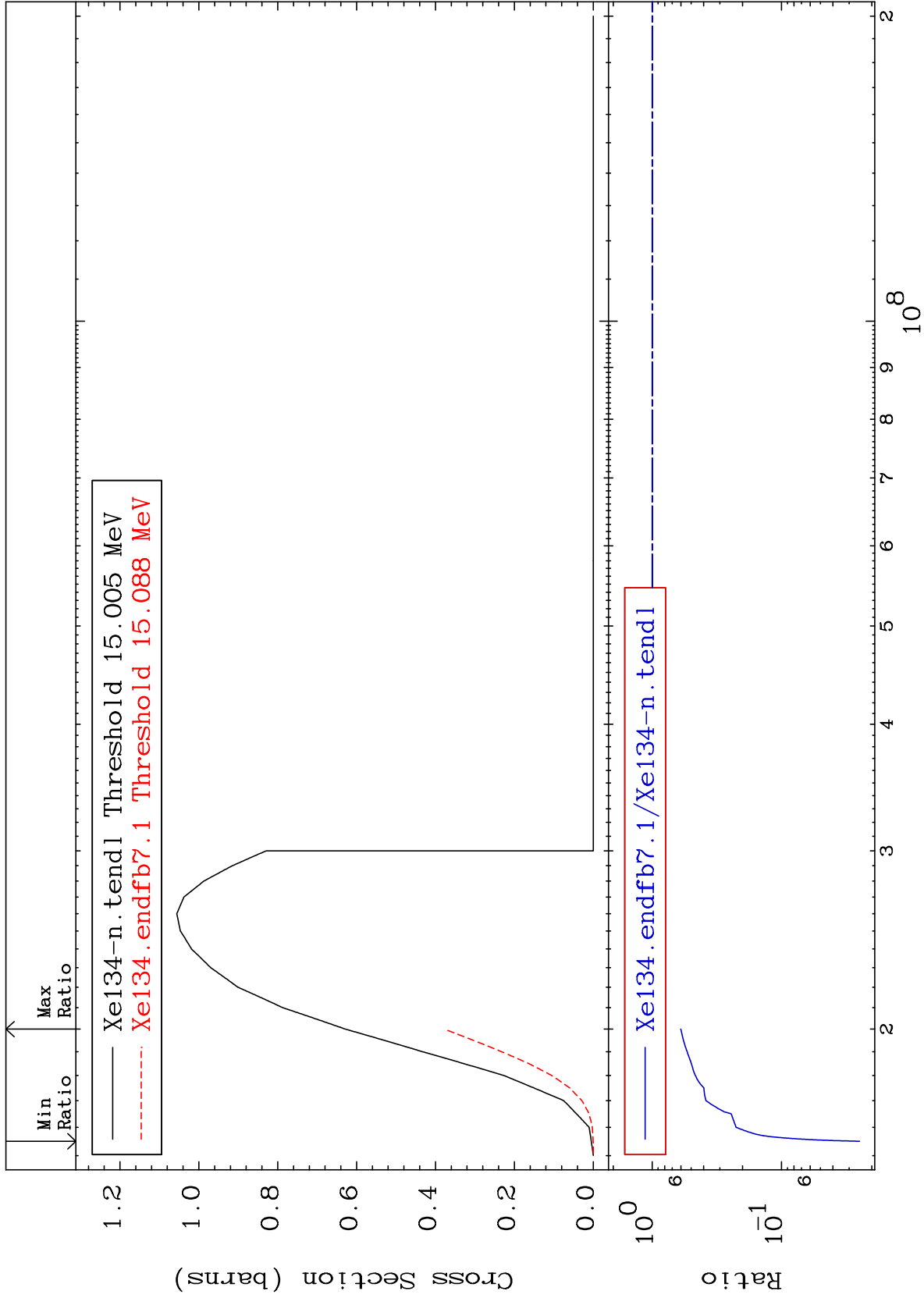
Cross Section

-79.77 To 0.346 %



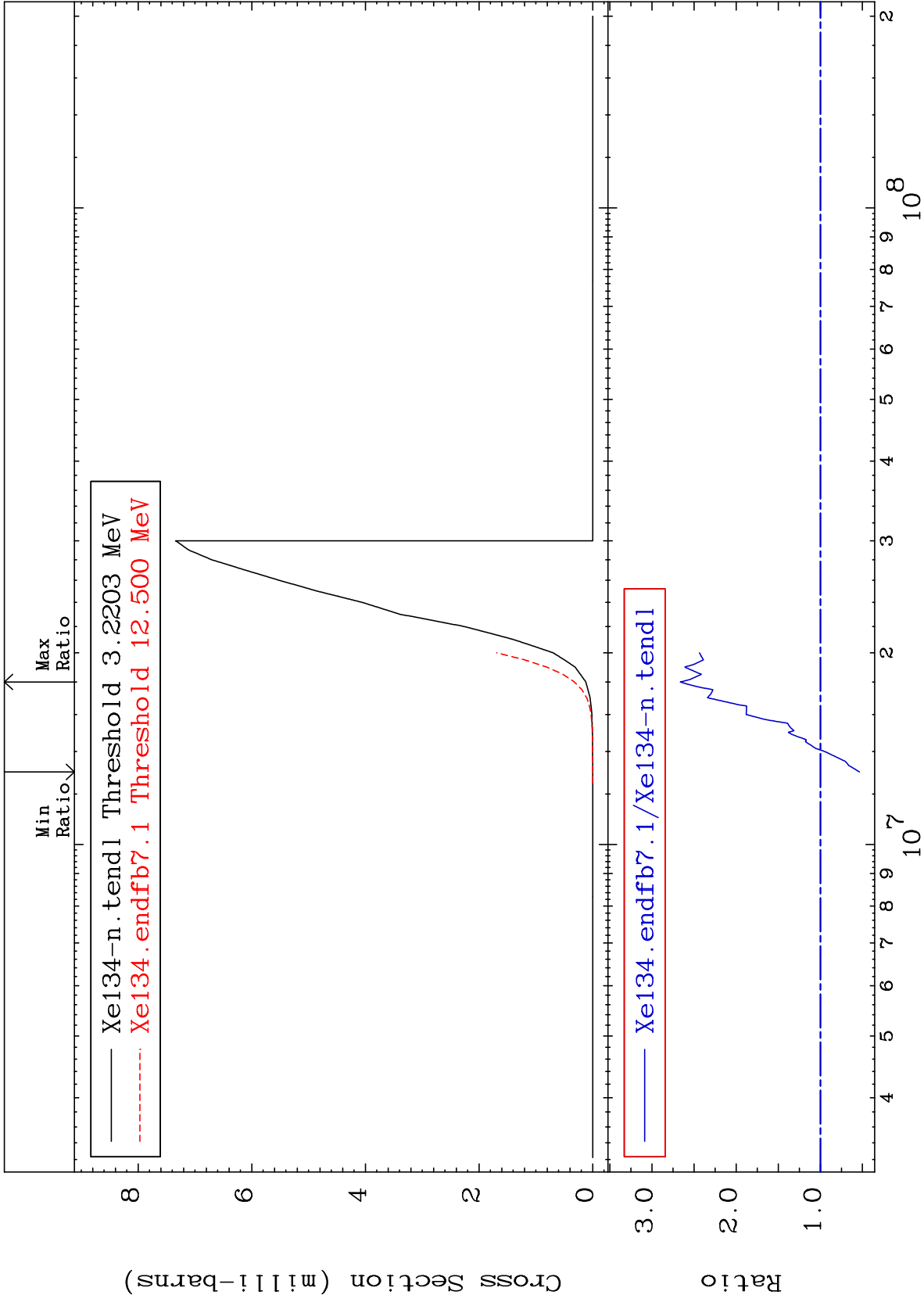
Incident Energy (eV)

54-Xe-134



MAT 5455

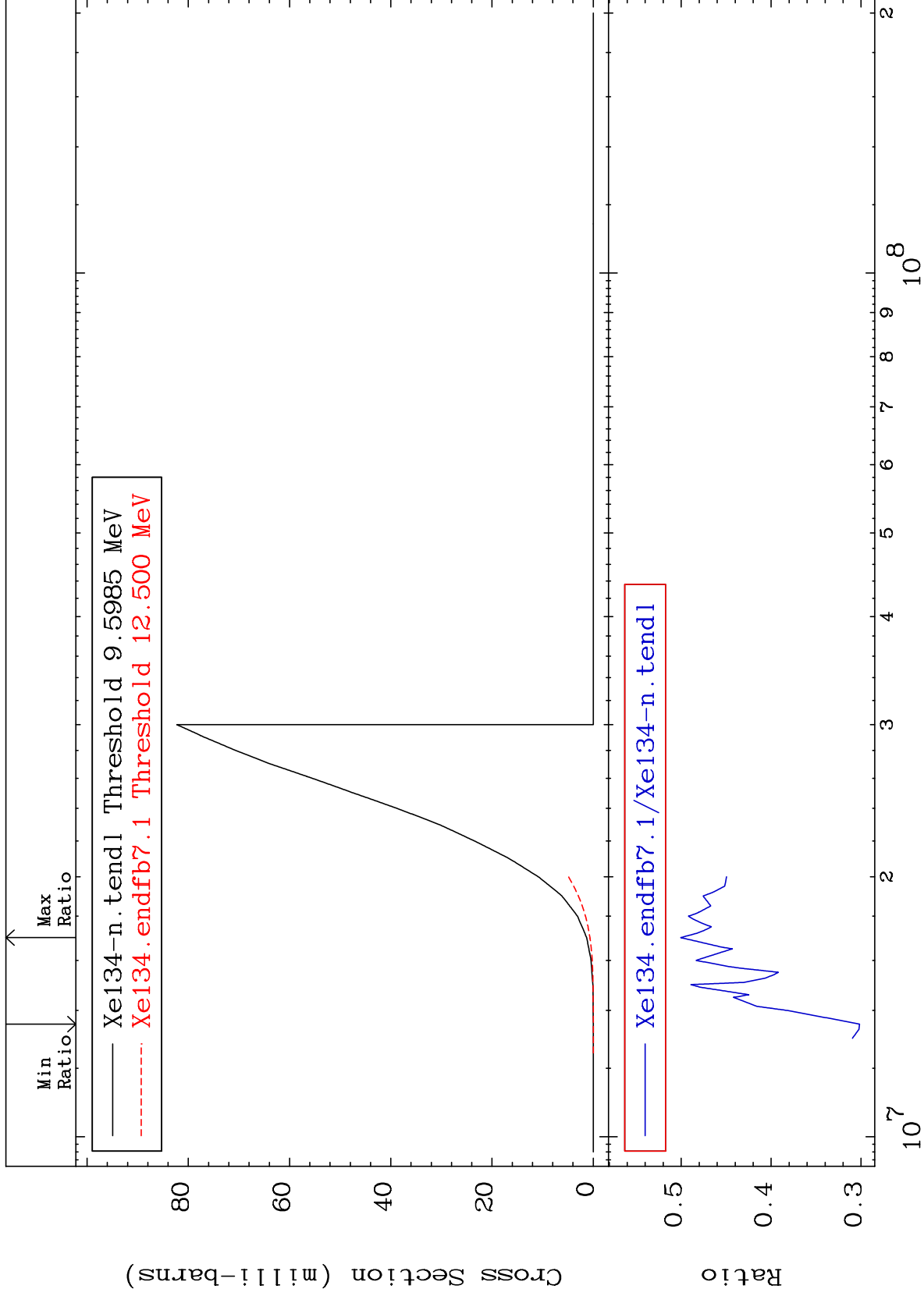
(n, n') α Cross Section
54-Xe-134
-46.43 To 166.3 %



MAT 5455

(n,n') p
Cross Section

54-Xe-134
-69.83 To -49.95%



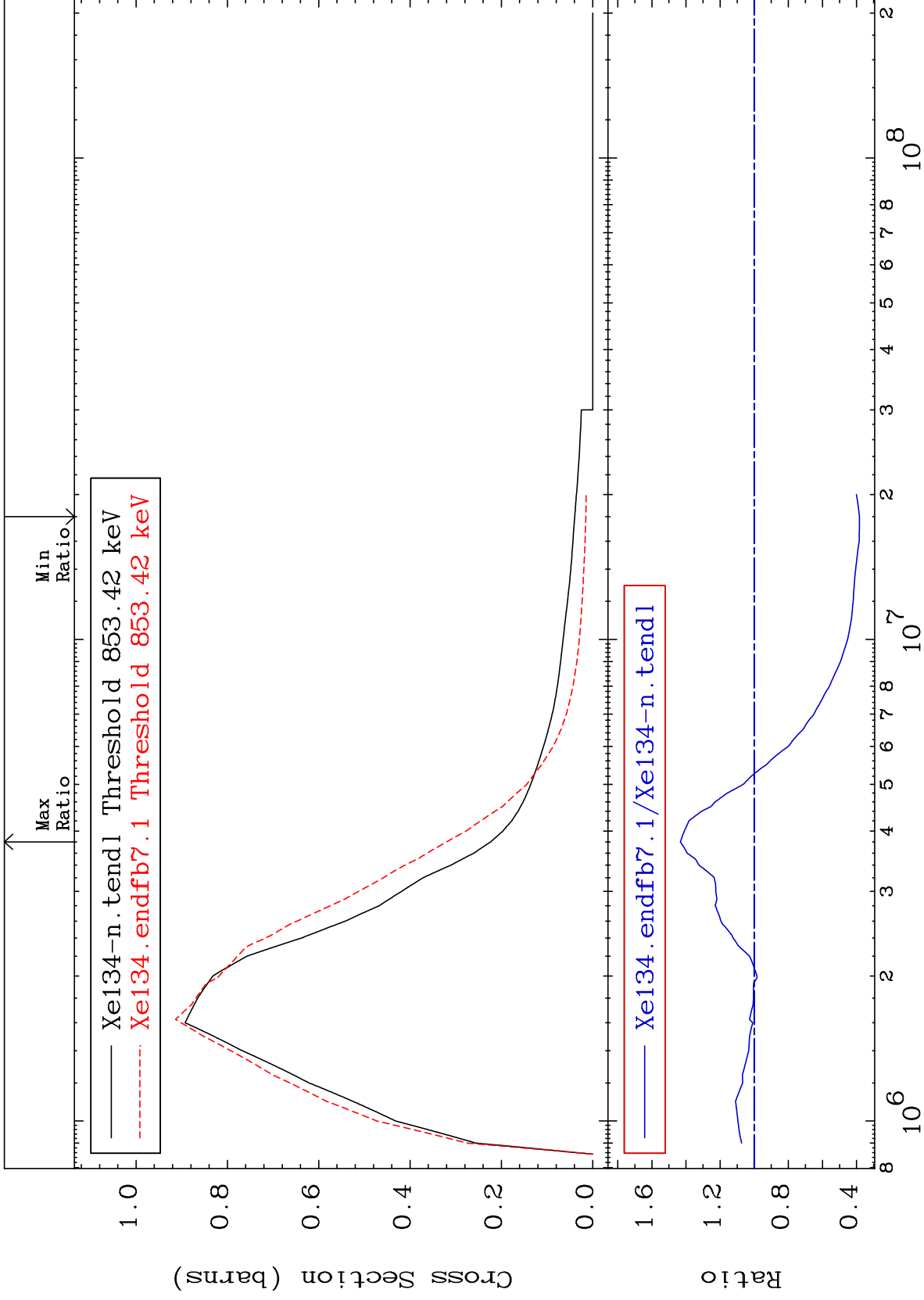
54-Xe-134

54-Xe-134

MAT 5455

847.0 keV (n,n') Level
Cross Section

54-Xe-134
-61.67 To 43.30 %



8

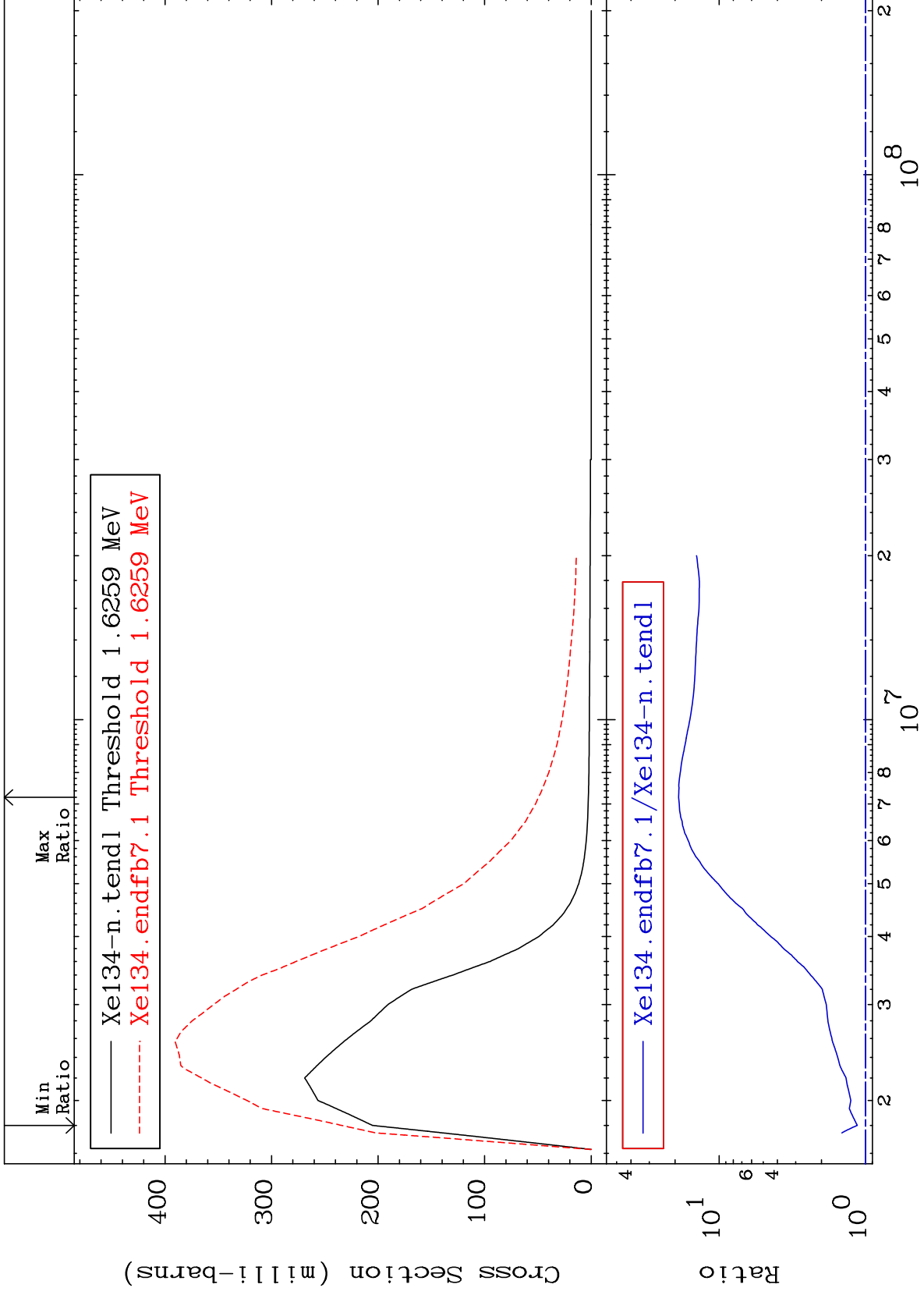
Incident Energy (eV)

54-Xe-134

MAT 5455

1.614 MeV (n,n') Level
Cross Section

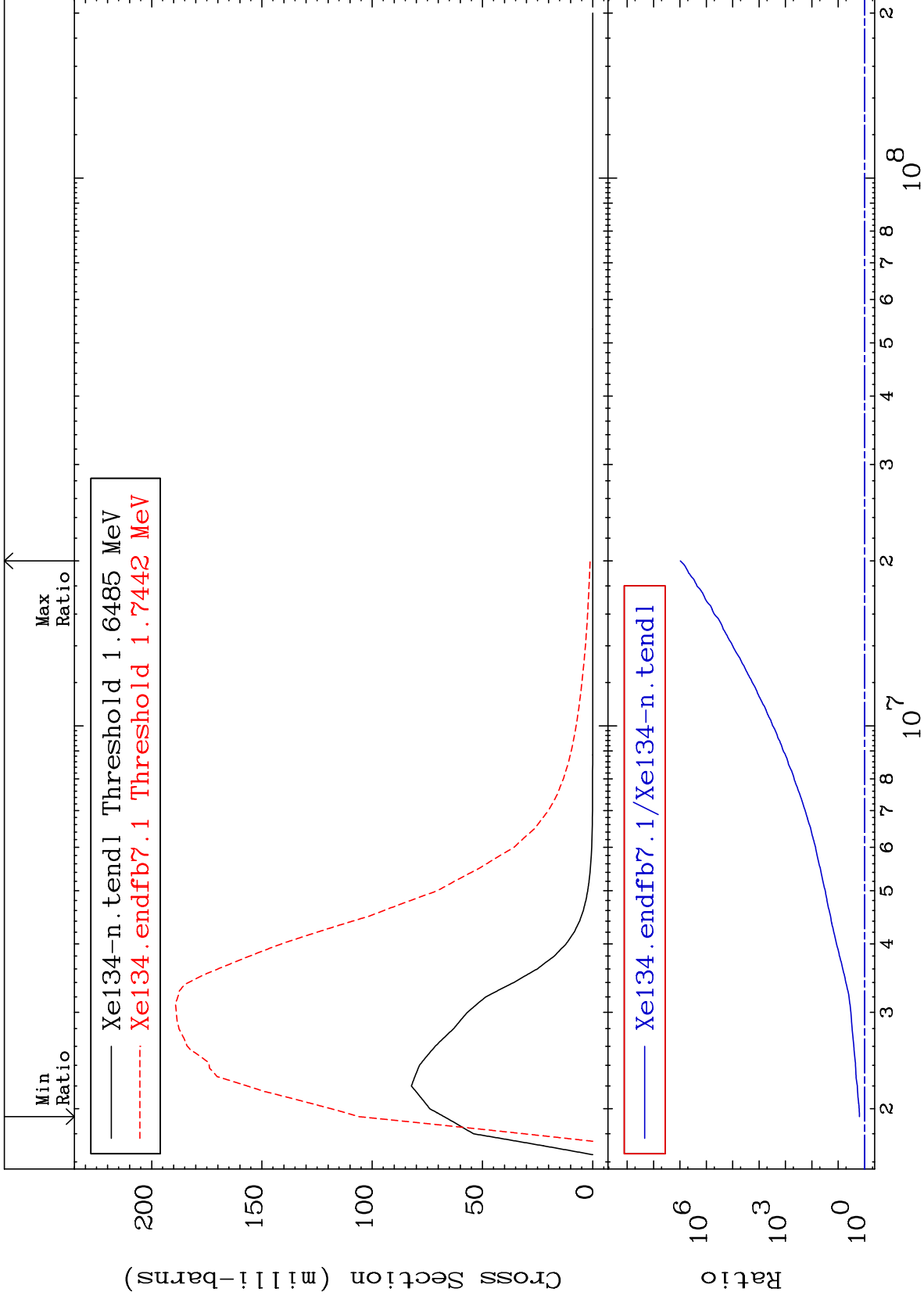
54-Xe-134
14.01 To 1789. %



MAT 5455

1.636 MeV (n,n') Level
Cross Section

54-Xe-134
57.37 To 9999. %



10

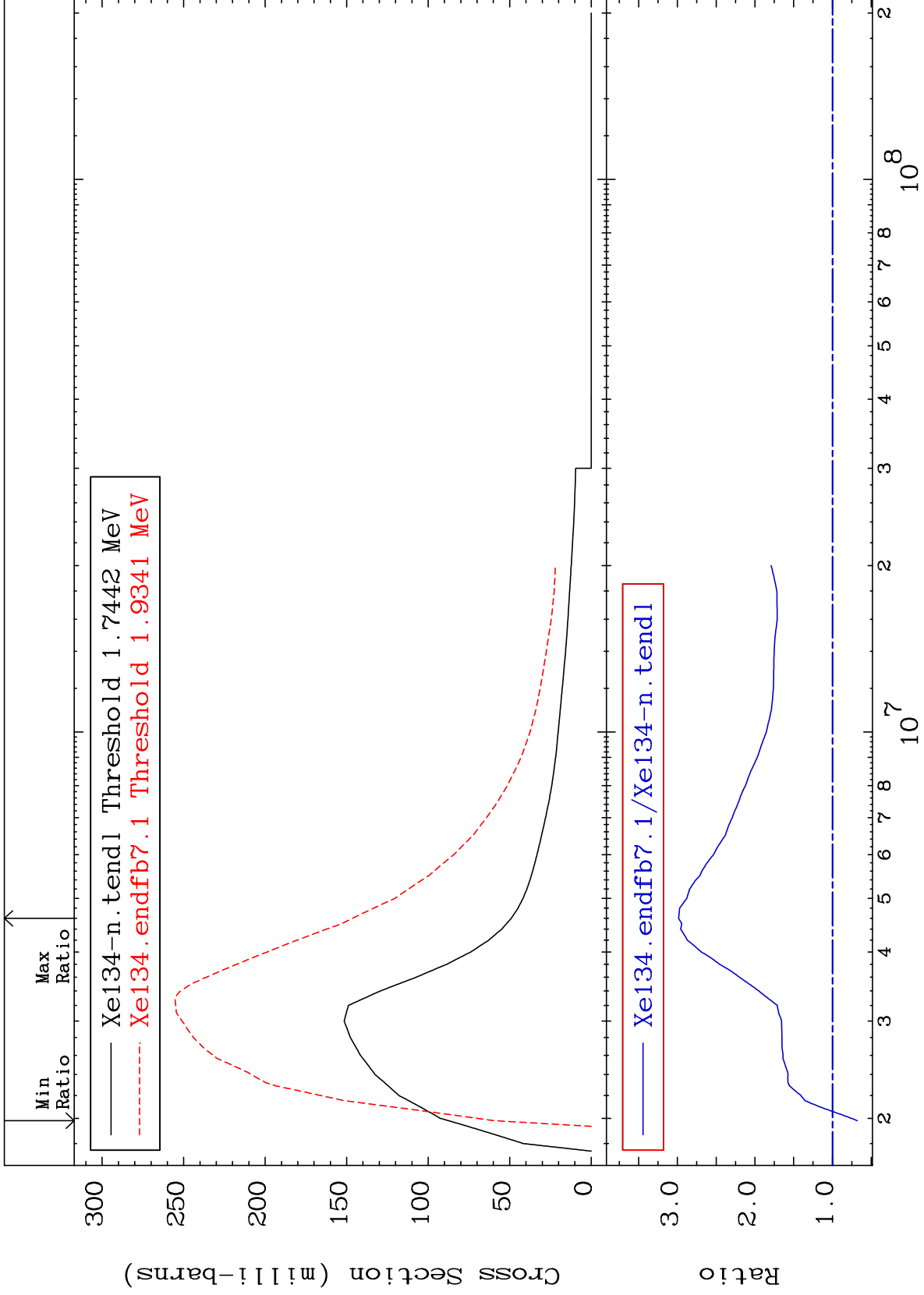
Incident Energy (eV)

54-Xe-134

MAT 5455

1.731 MeV (n,n') Level
Cross Section

54-Xe-134
-32.03 To 198.4 %



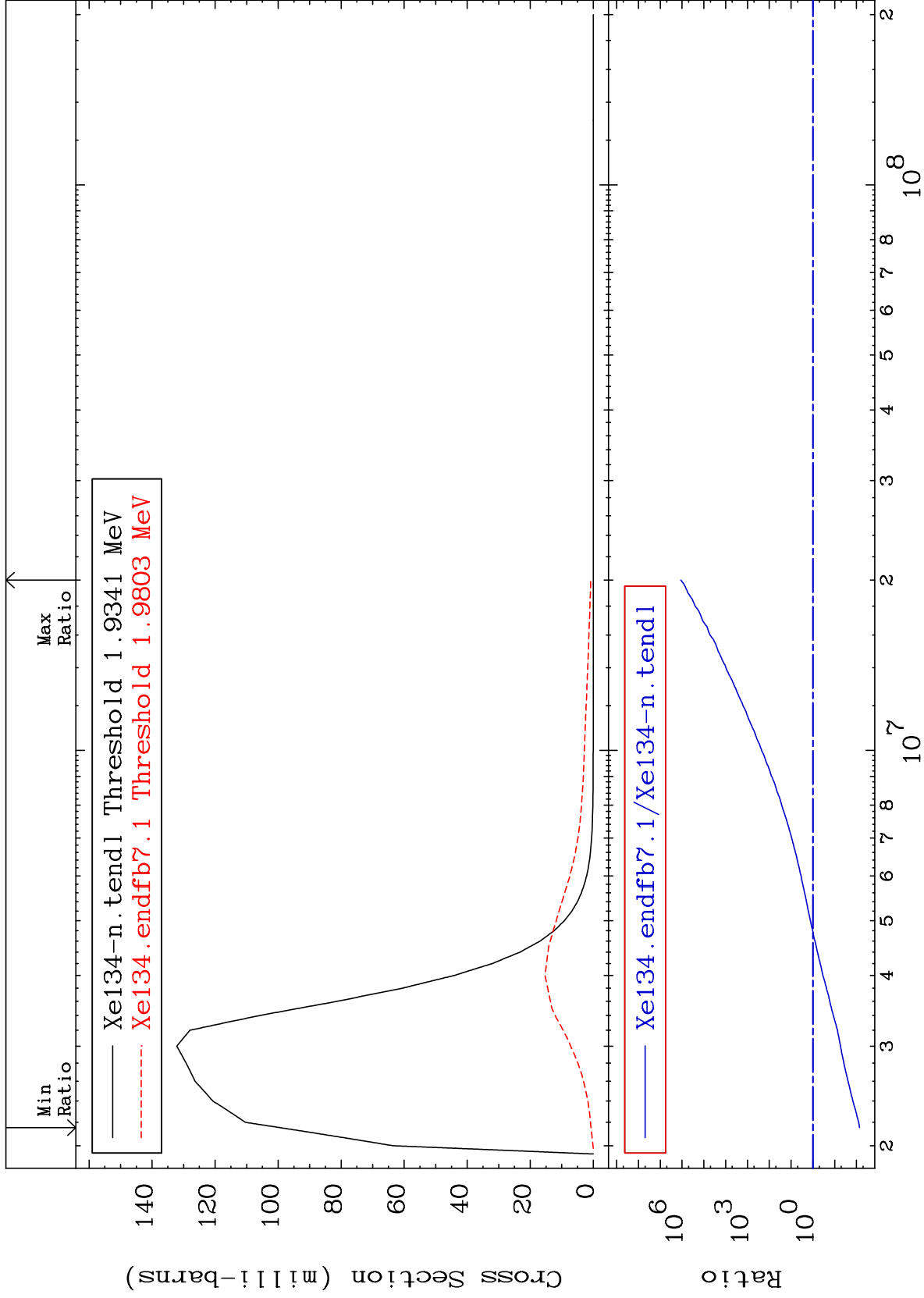
MAT 5455

1.920 MeV (n,n') Level

54-Xe-134

-99.28 To 9999. %

Cross Section



12

Incident Energy (eV)

54-Xe-134

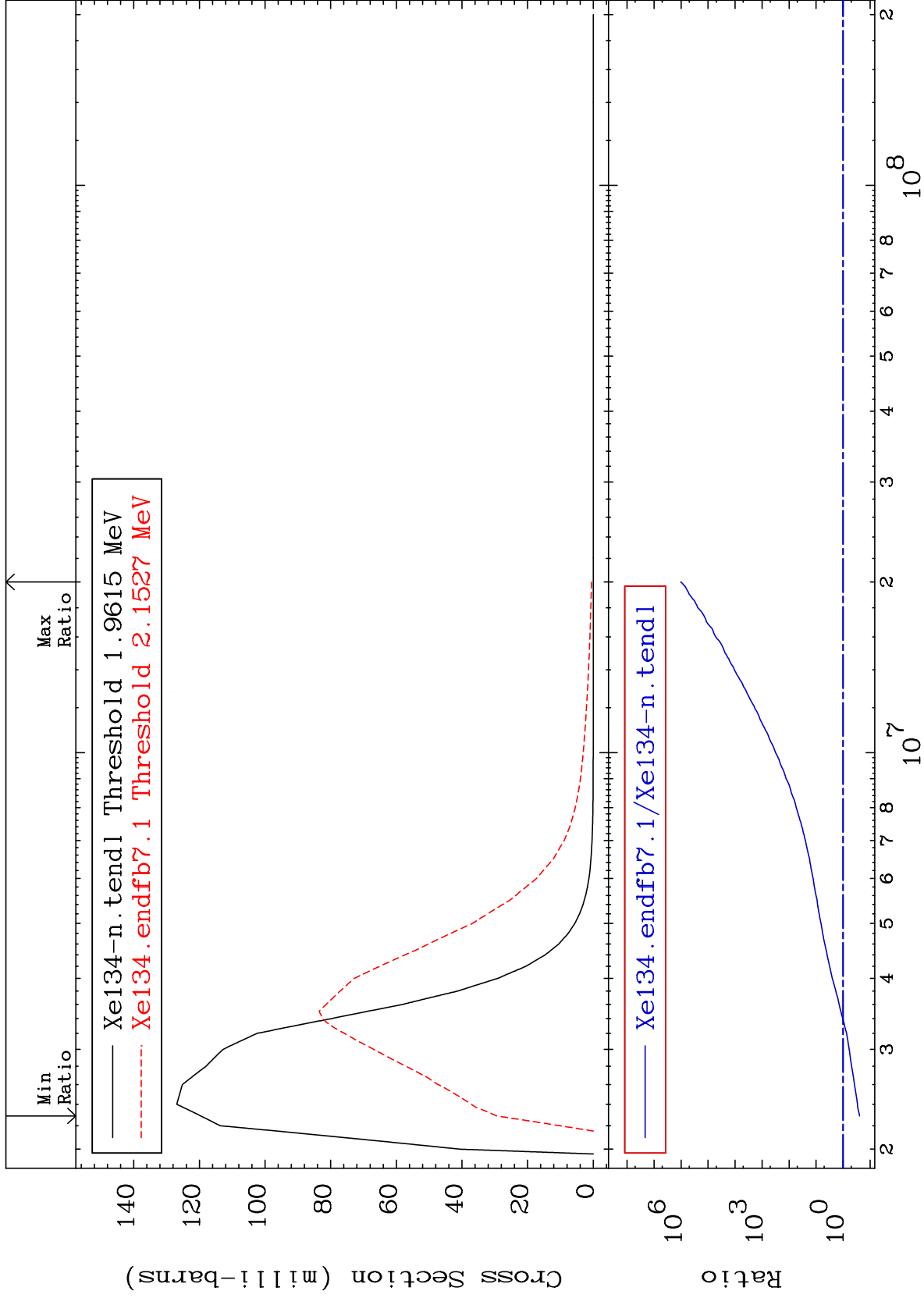
MAT 5455

1.947 MeV (n,n') Level

54-Xe-134

-75.41 To 9999. %

Cross Section



13

Incident Energy (eV)

54-Xe-134

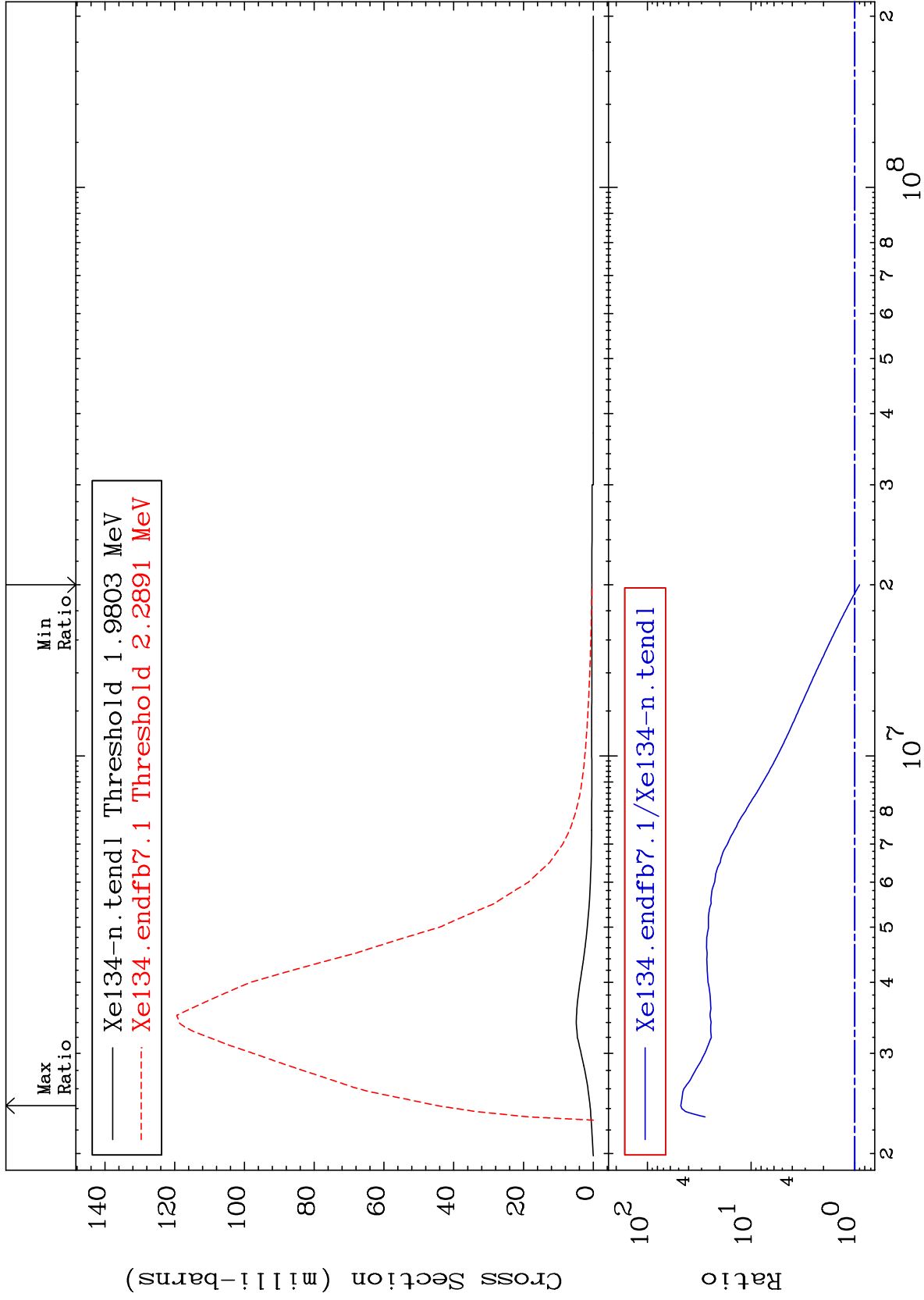
MAT 5455

1.965 MeV (n,n') Level

54-Xe-134

-10.17 To 4664. %

Cross Section



14

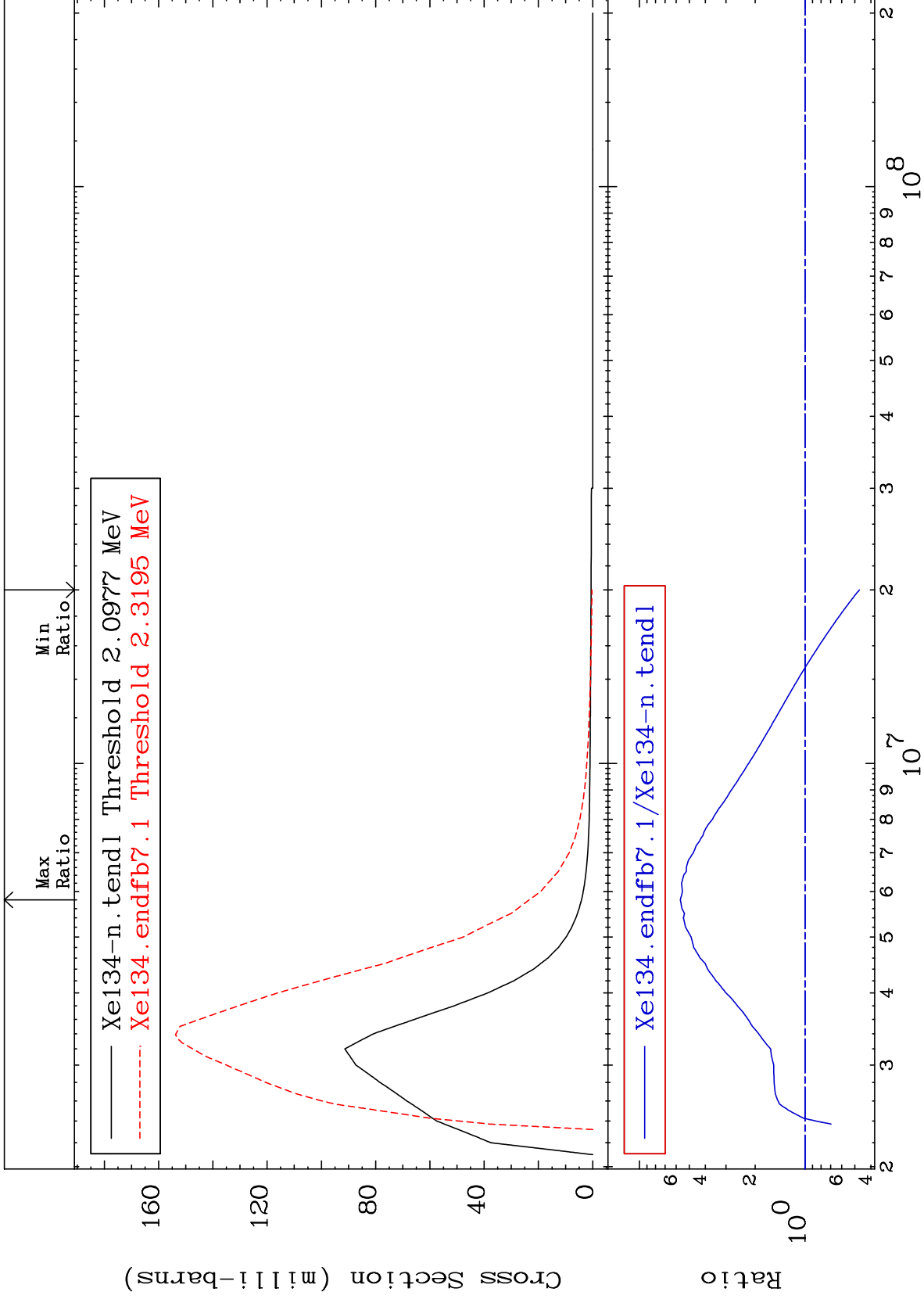
Incident Energy (eV)

54-Xe-134

MAT 5455

2.082 MeV (n,n') Level
Cross Section

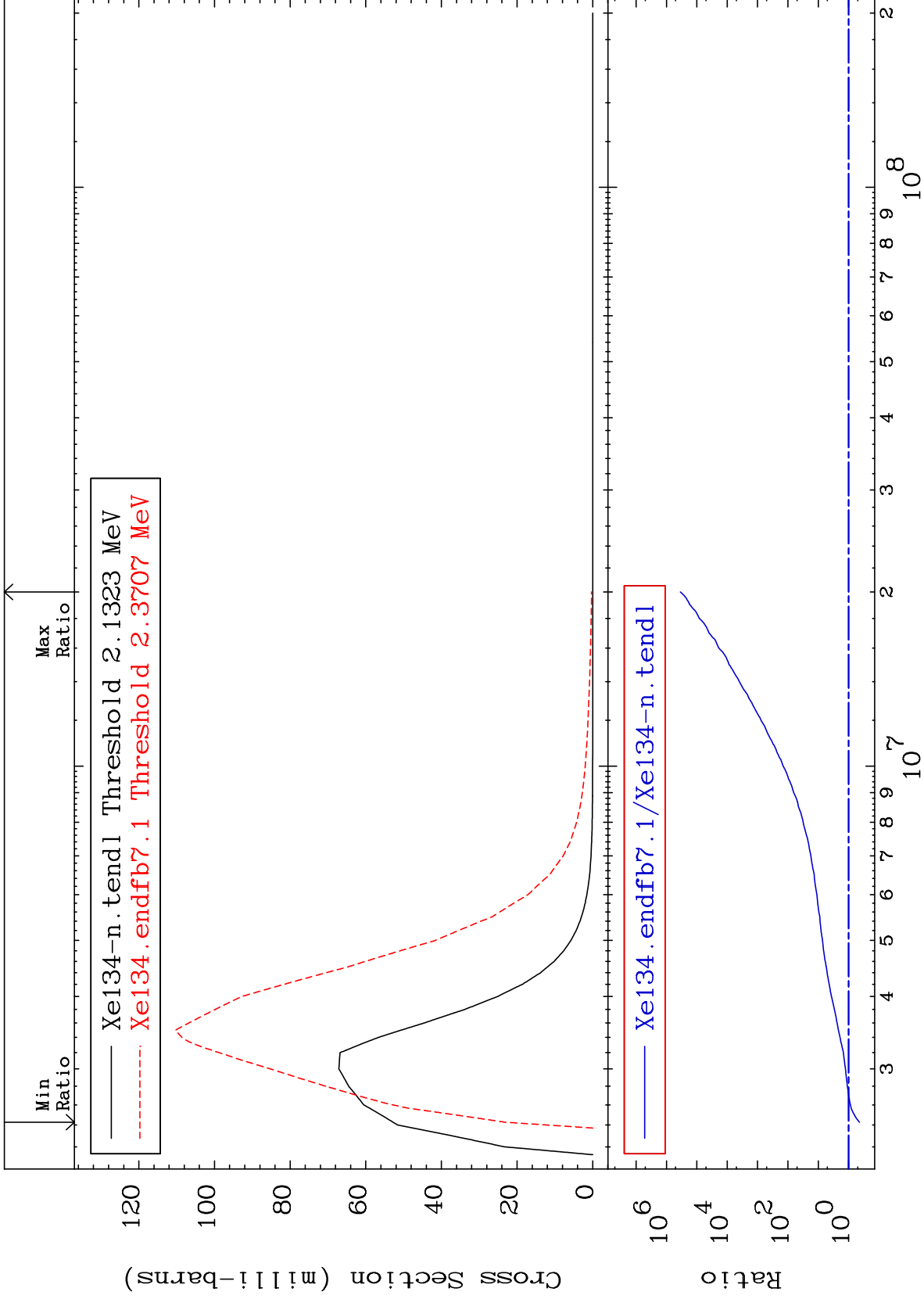
54-Xe-134
-53.07 To 466.2 %



MAT 5455

2.116 MeV (n,n') Level
Cross Section

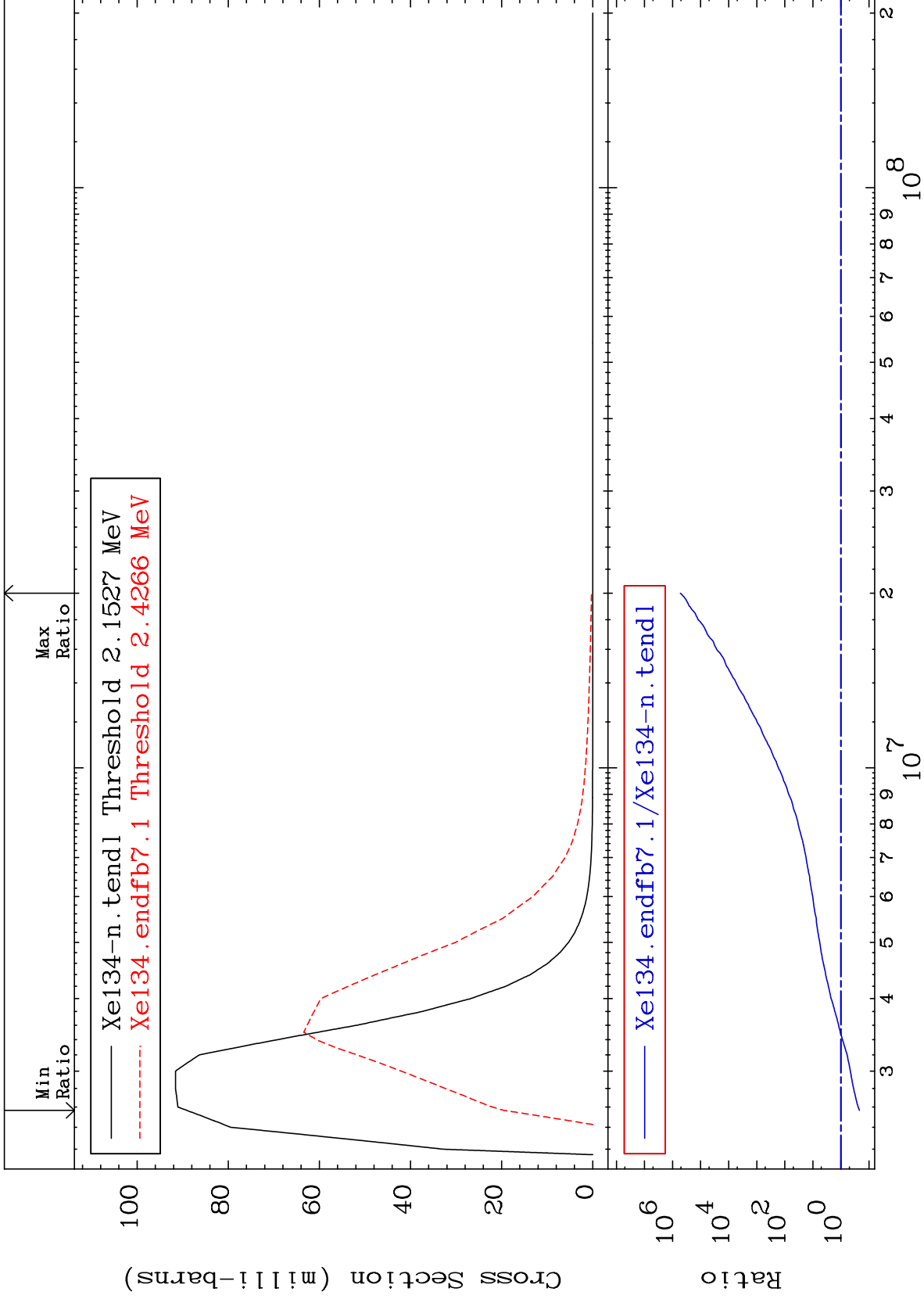
54-Xe-134
-55.99 To 9999. %



MAT 5455

2.137 MeV (n,n') Level
Cross Section

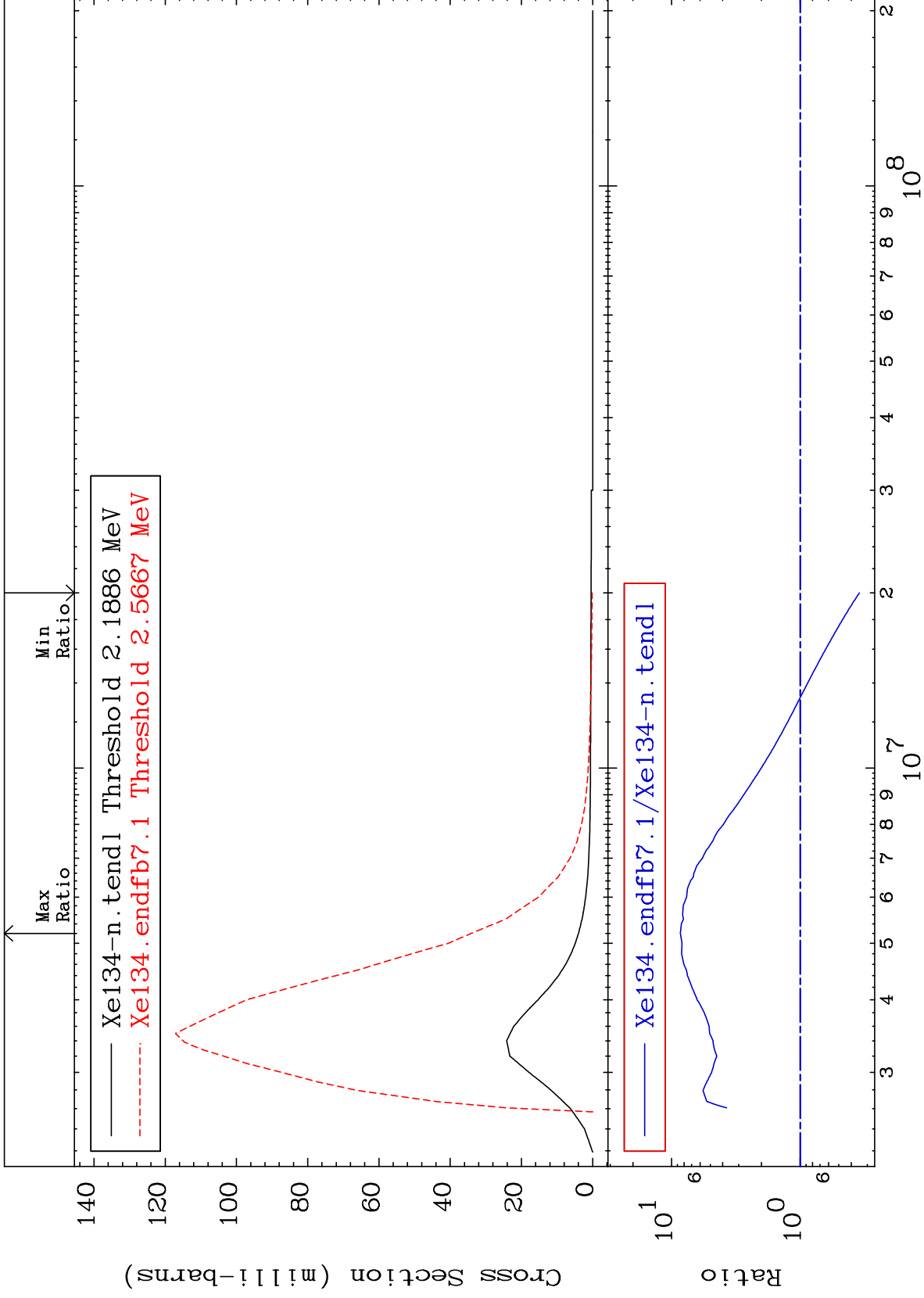
54-Xe-134
-78.15 To 9999. %



MAT 5455

2.172 MeV (n,n') Level
Cross Section

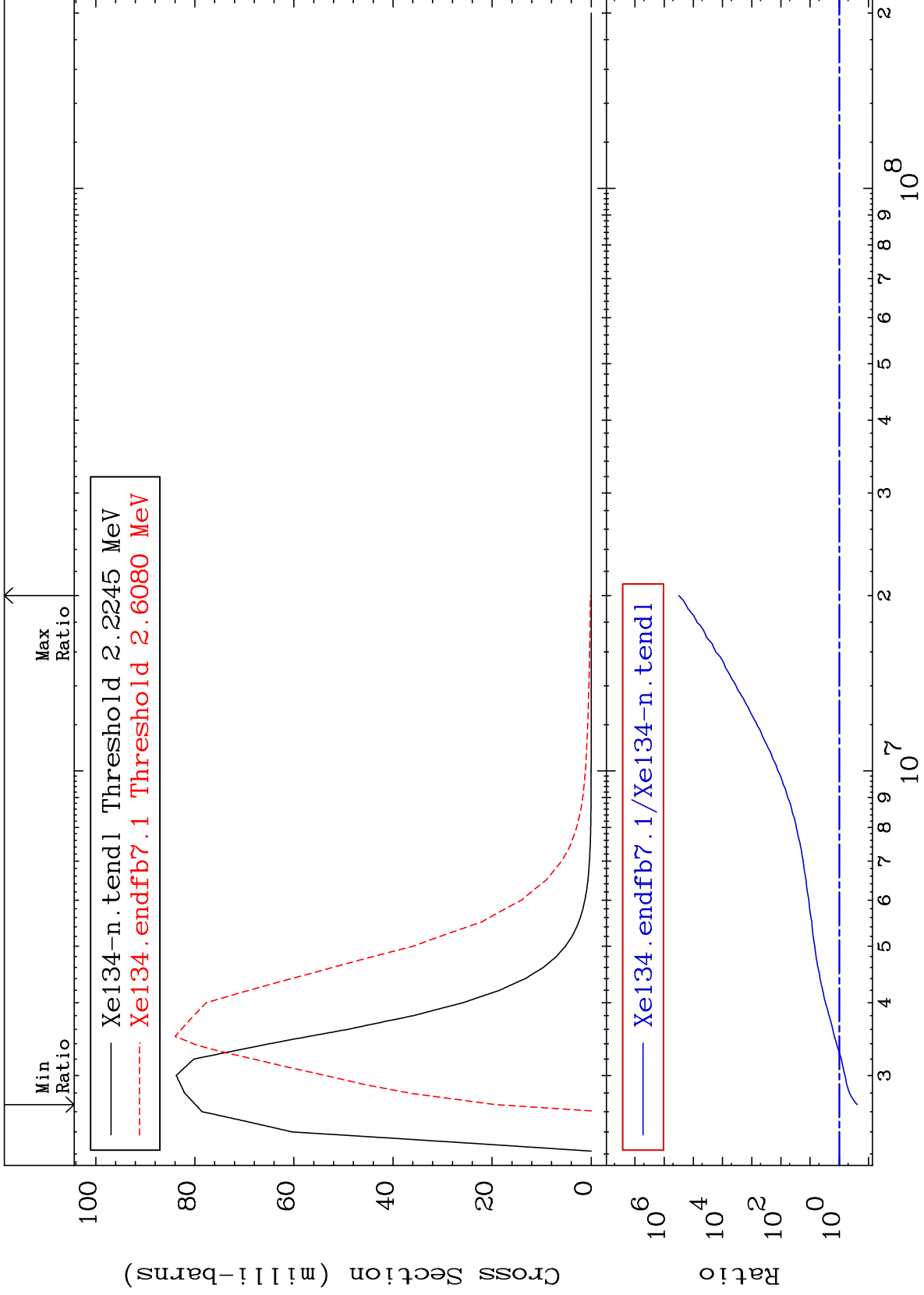
54-Xe-134
-65.42 To 754.5 %



MAT 5455

2.208 MeV (n,n') Level
Cross Section

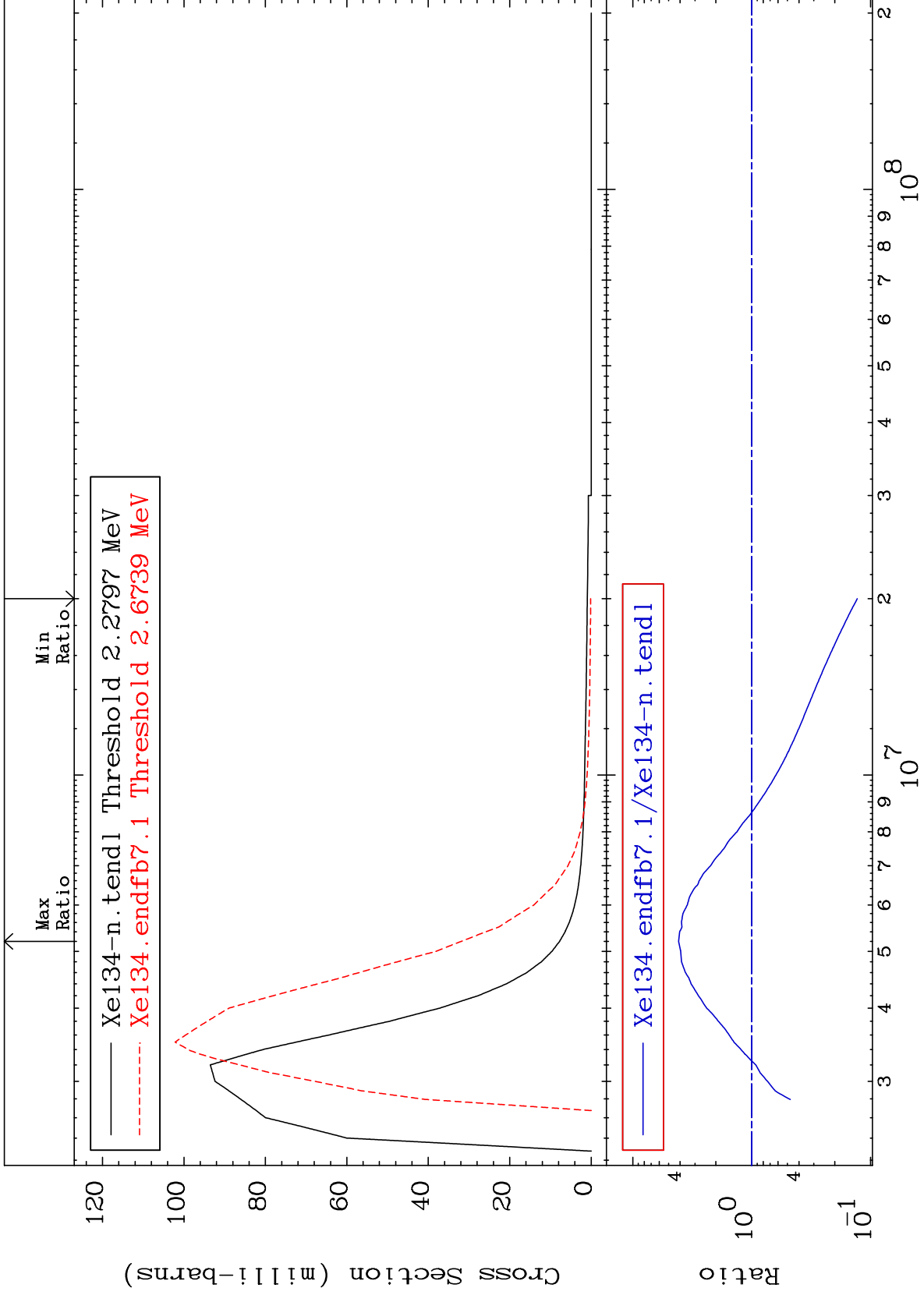
54-Xe-134
-75.73 To 9999. %



MAT 5455

2.263 MeV (n,n') Level
Cross Section

54-Xe-134
-87.06 To 311.4 %



20

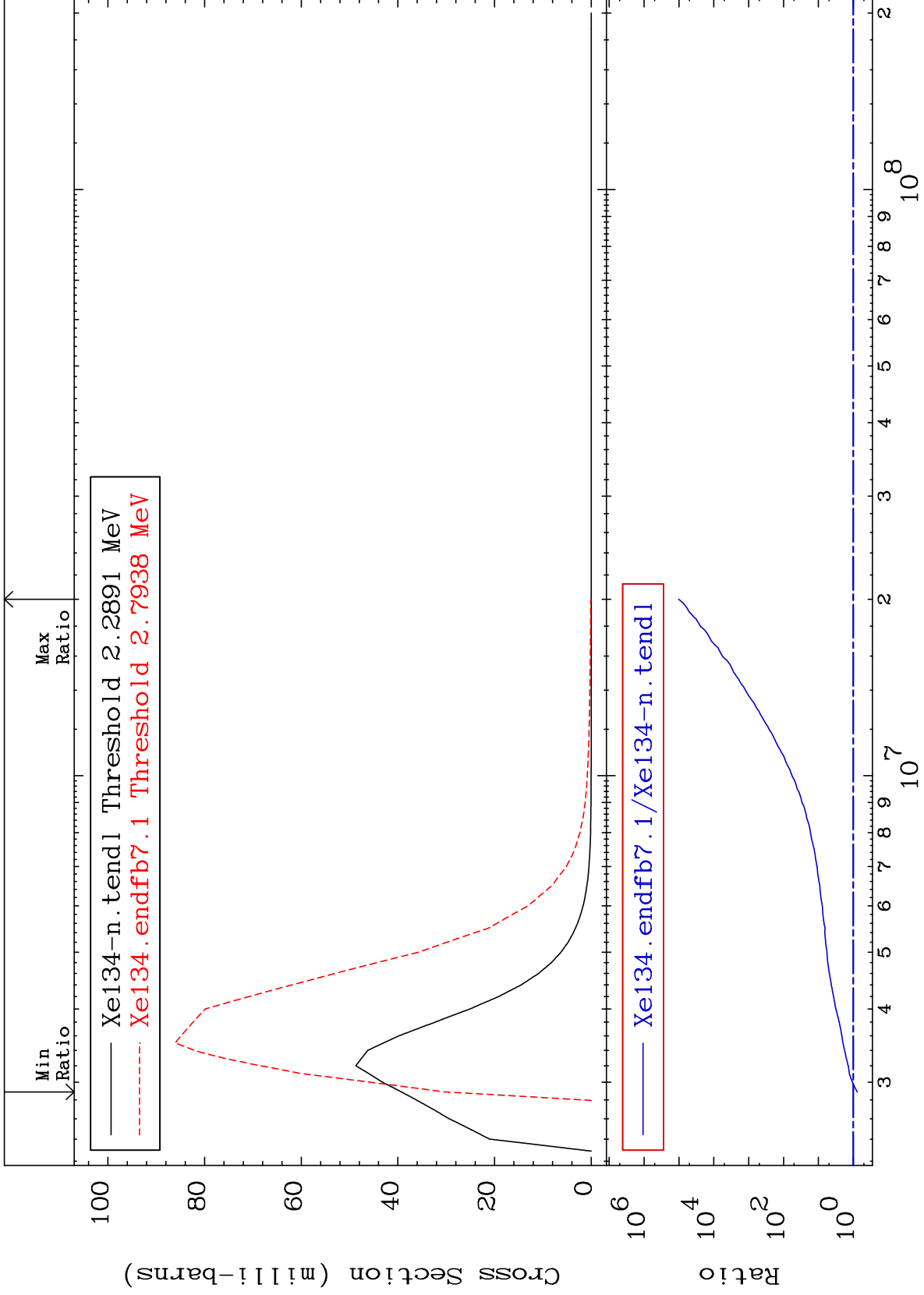
Incident Energy (eV)

54-Xe-134

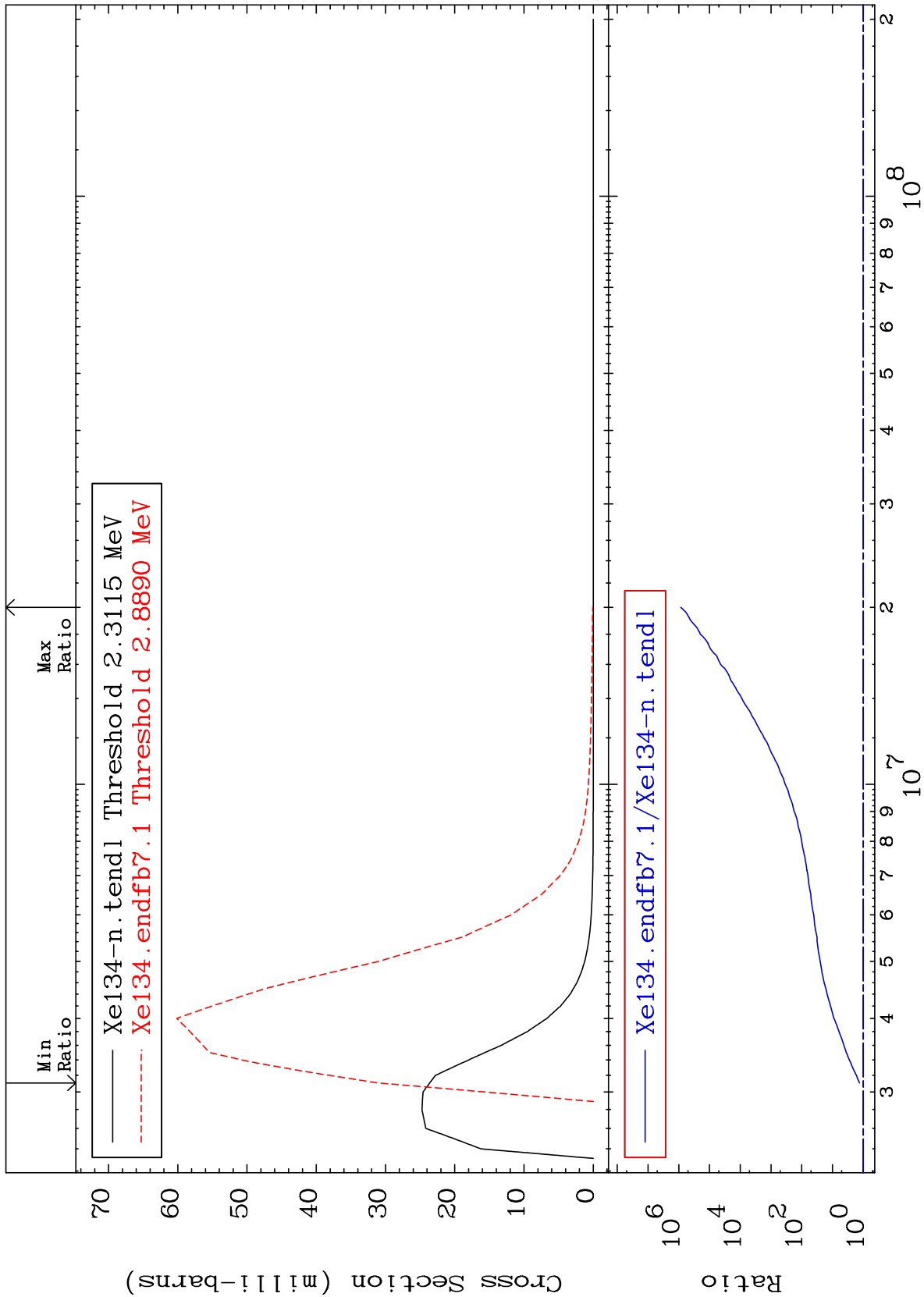
MAT 5455

2.272 MeV (n,n') Level
Cross Section

54-Xe-134
-22.82 To 9999. %



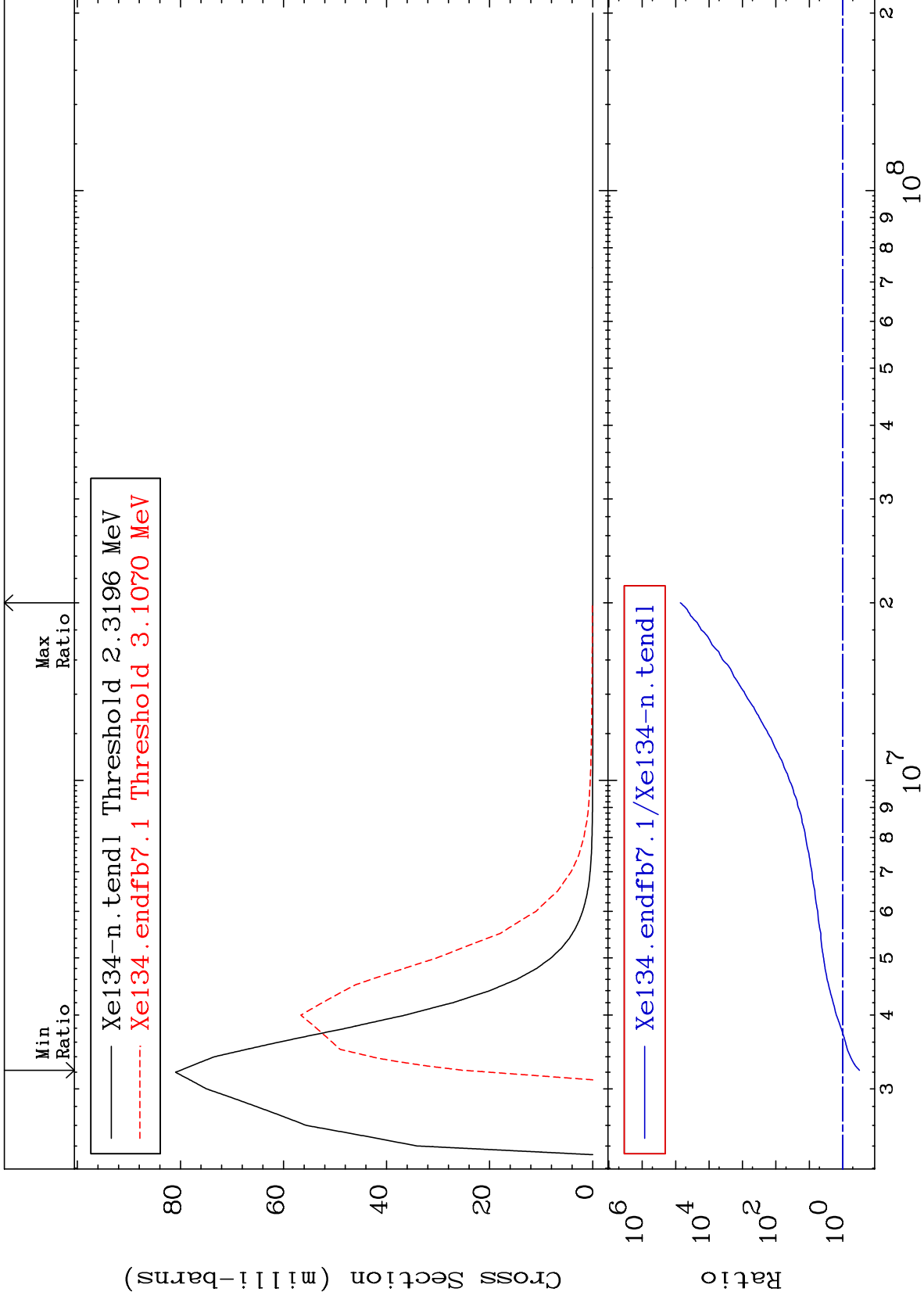
MAT 5455 2.294 MeV (n,n') Level 54-Xe-134
 Cross Section 31.80 To 9999. %



MAT 5455

2.302 MeV (n,n') Level
Cross Section

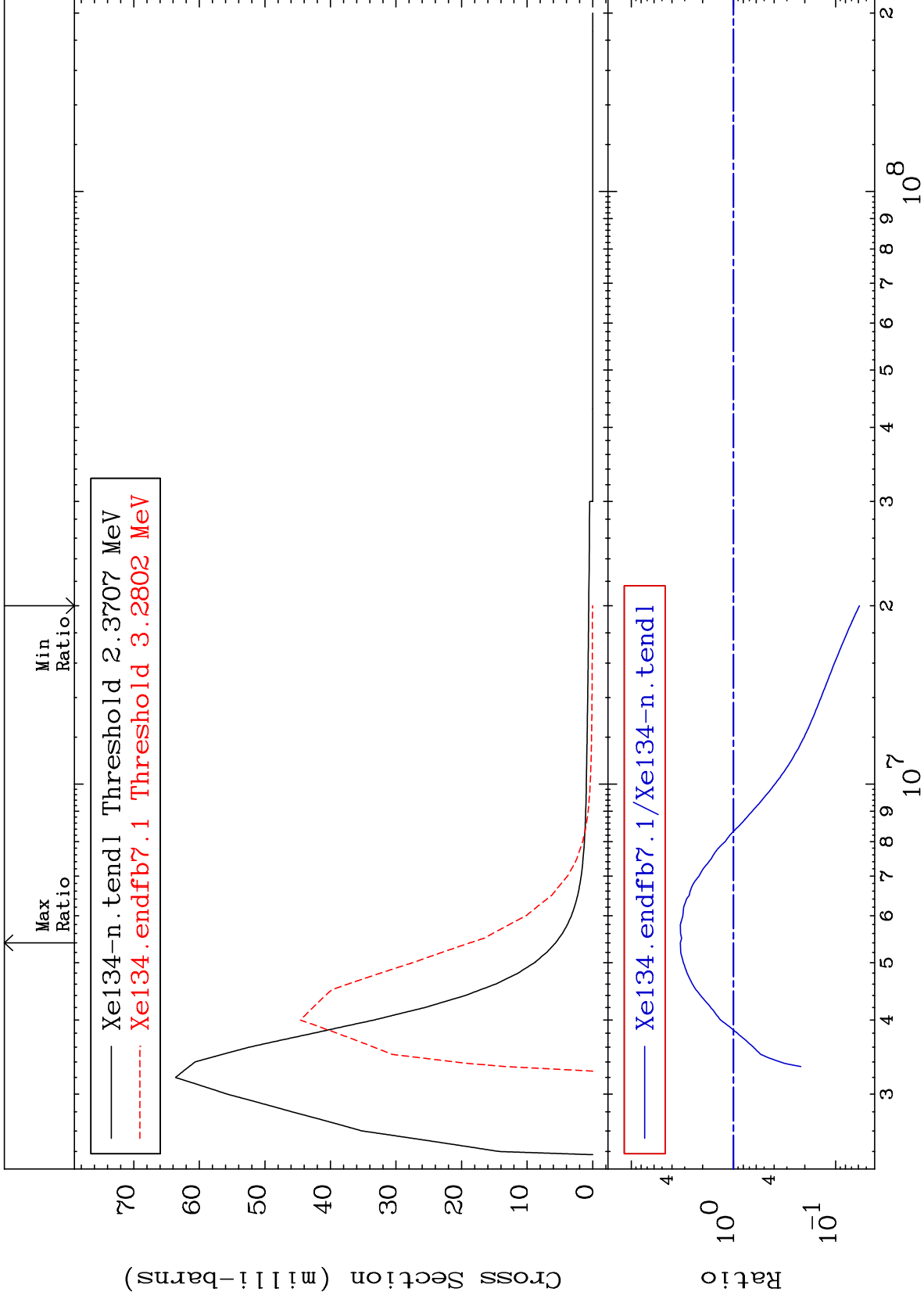
54-Xe-134
-68.36 To 9999. %



MAT 5455

2.353 MeV (n,n') Level
Cross Section

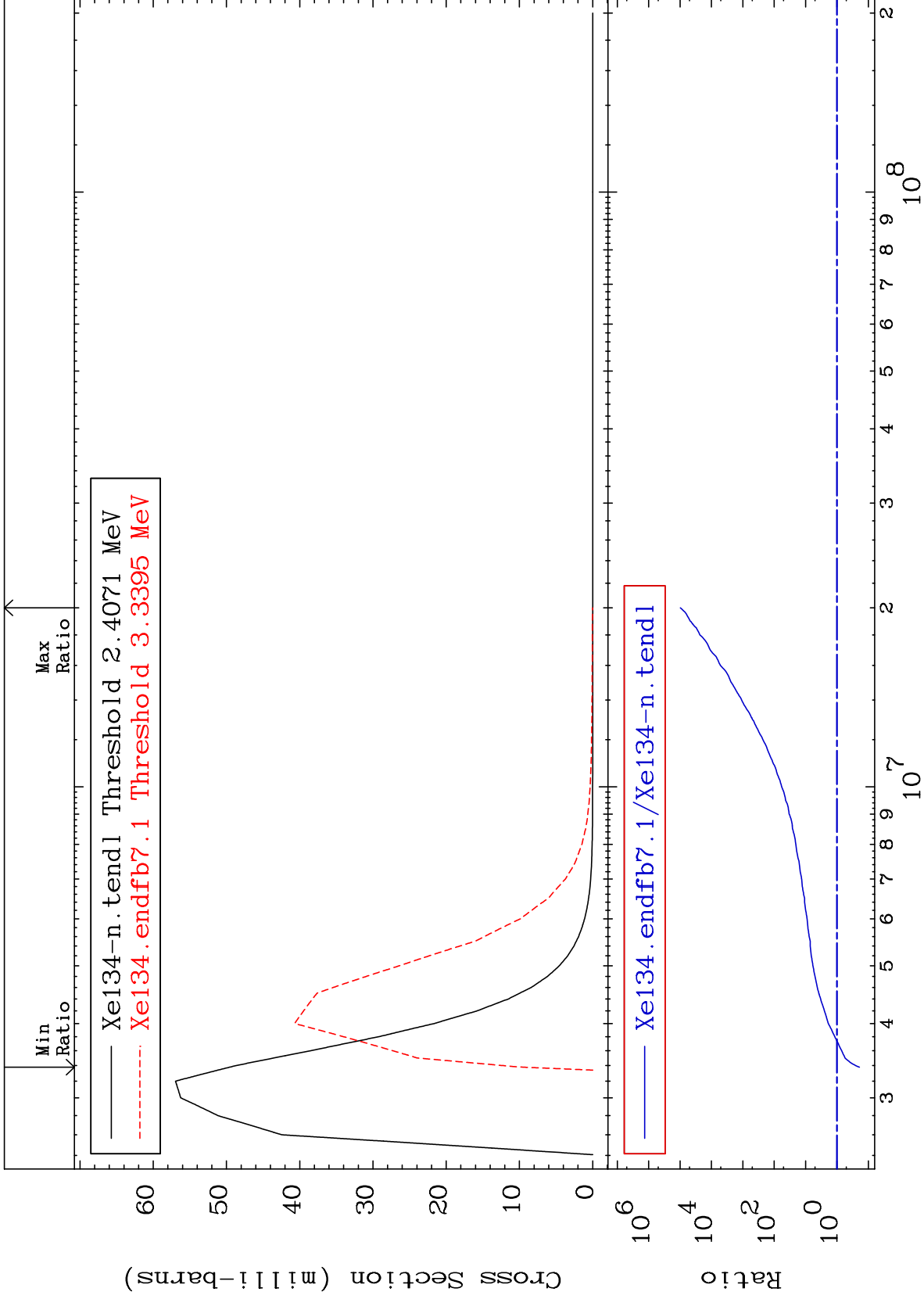
54-Xe-134
-94.15 To 231.0 %



MAT 5455

2.389 MeV (n,n') Level
Cross Section

54-Xe-134
-80.81 To 9999. %



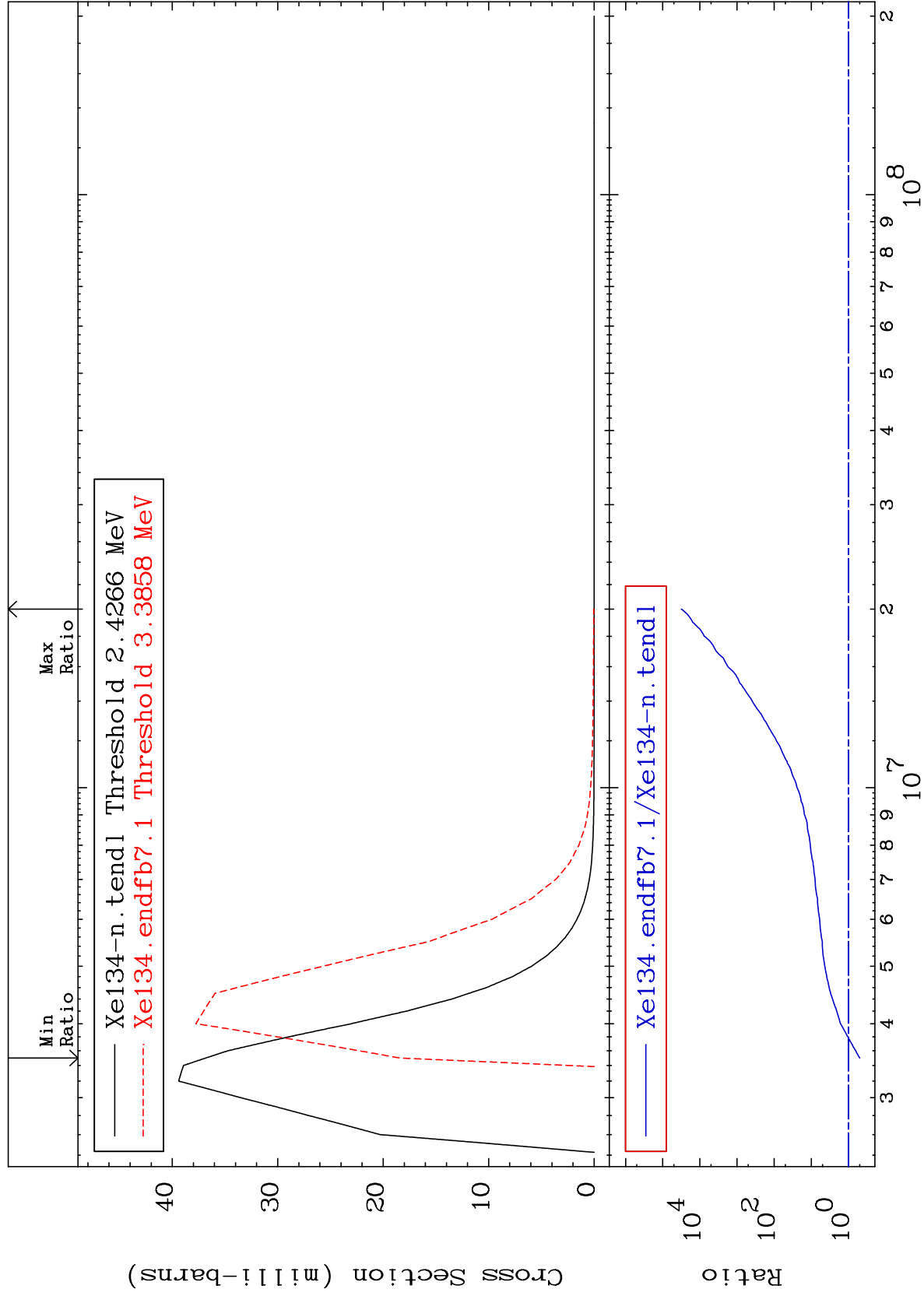
MAT 5455

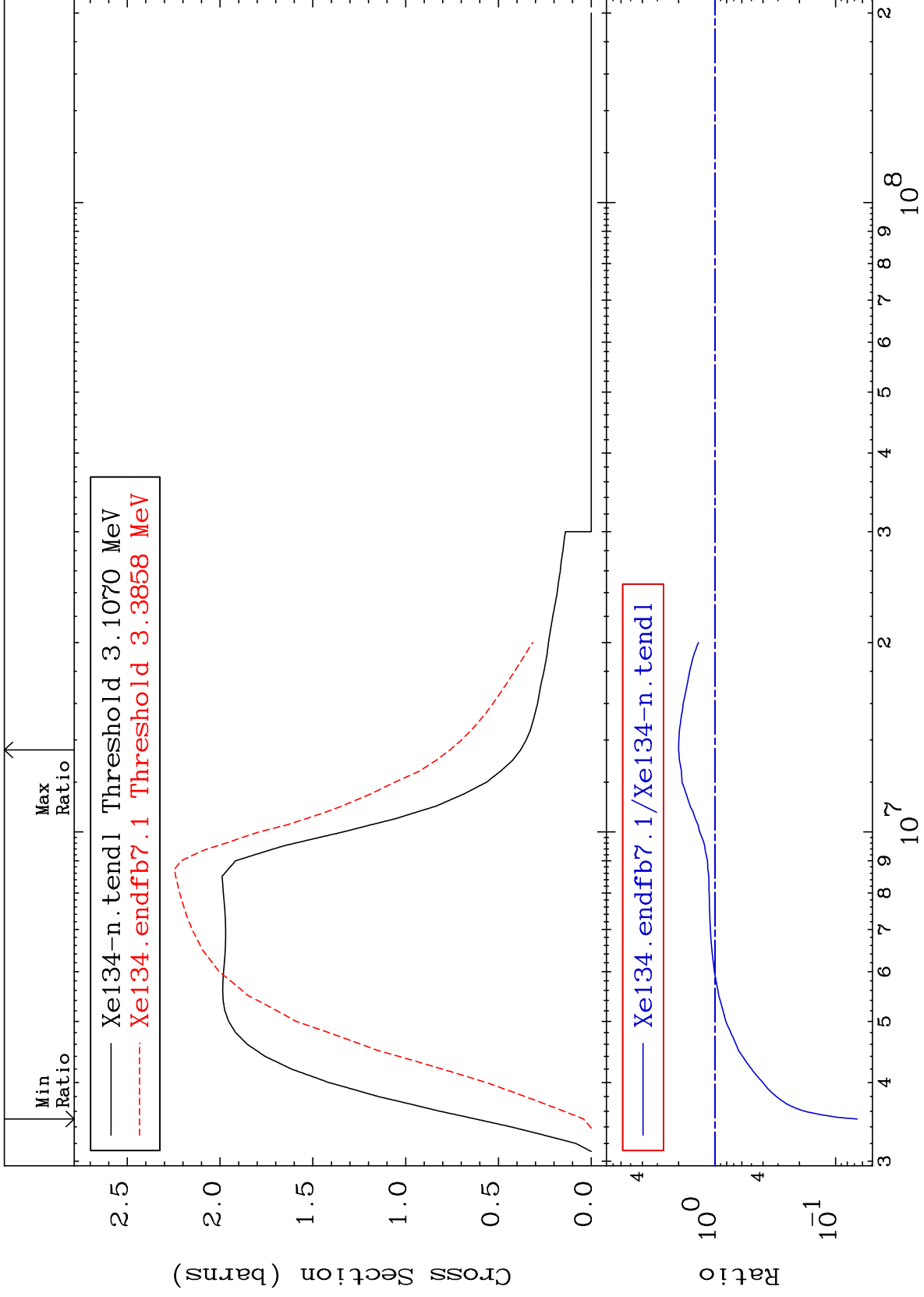
2.409 MeV (n,n') Level

54-Xe-134

-50.07 To 9999. %

Cross Section

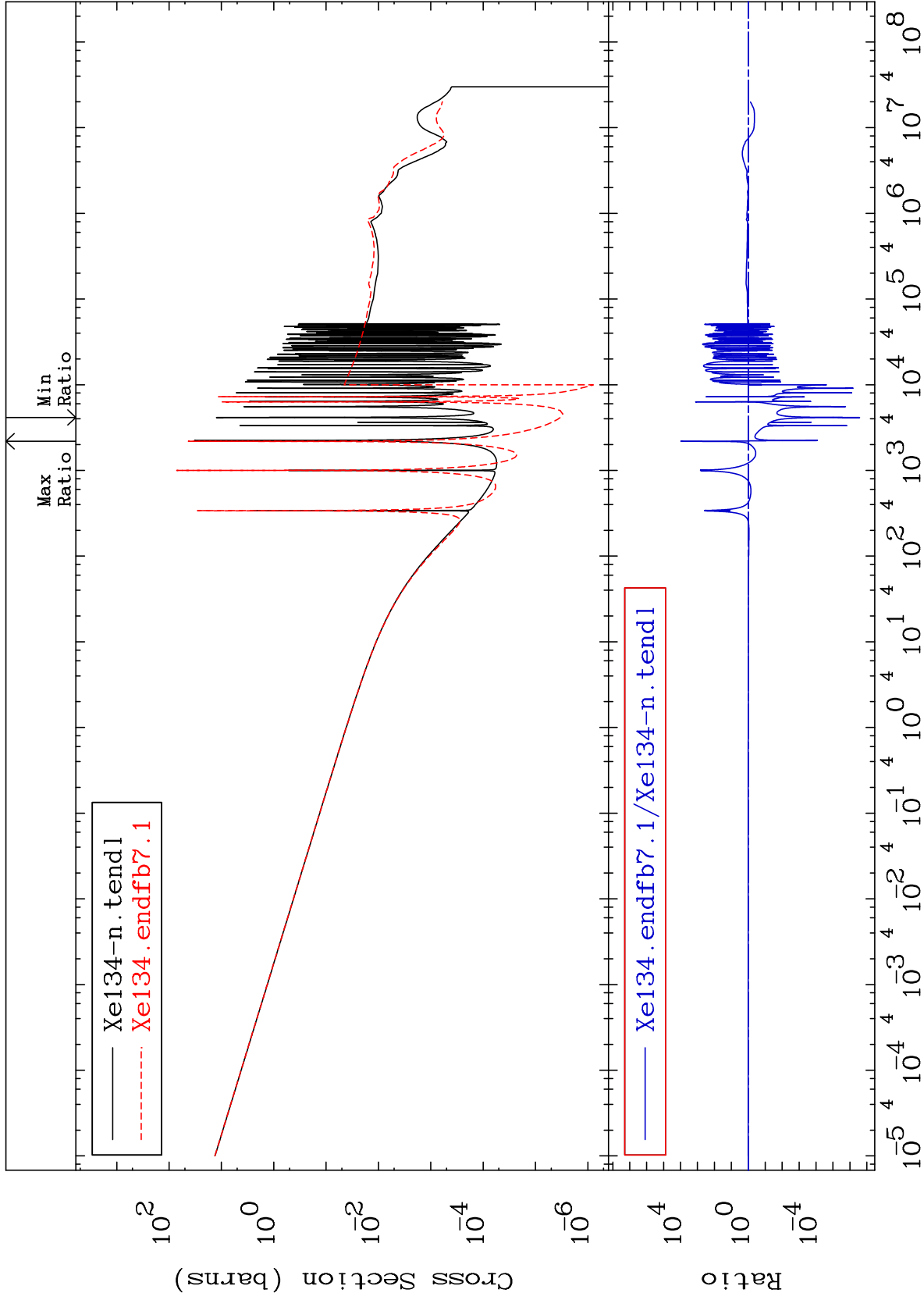




MAT 5455

(n, γ)
Cross Section

54-Xe-134
-100.0 To 9999. %

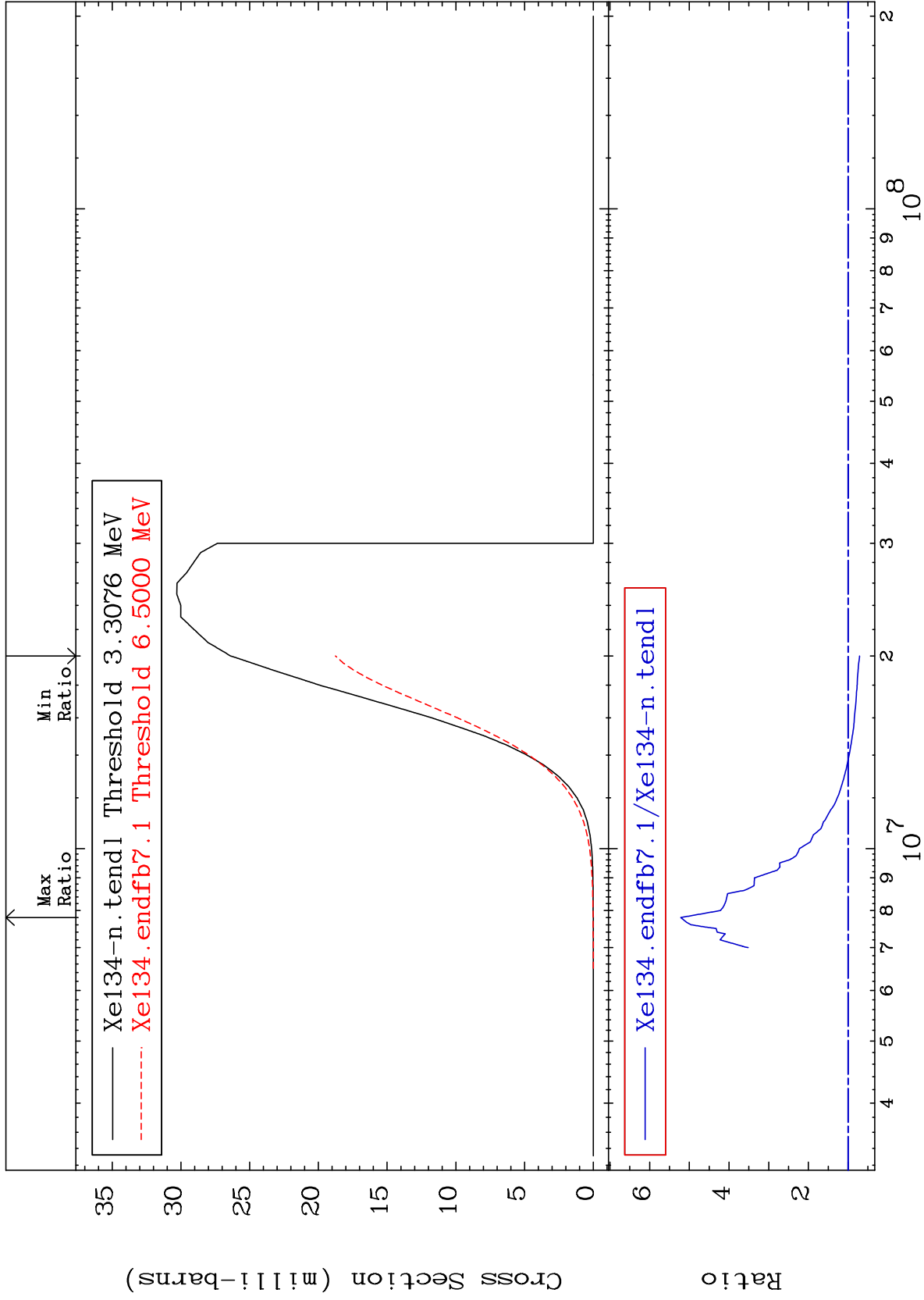


MAT 5455

54-Xe-134

-28.90 To 421.5 %

(n,p)
Cross Section



29

Incident Energy (eV)

54-Xe-134

MAT 5455

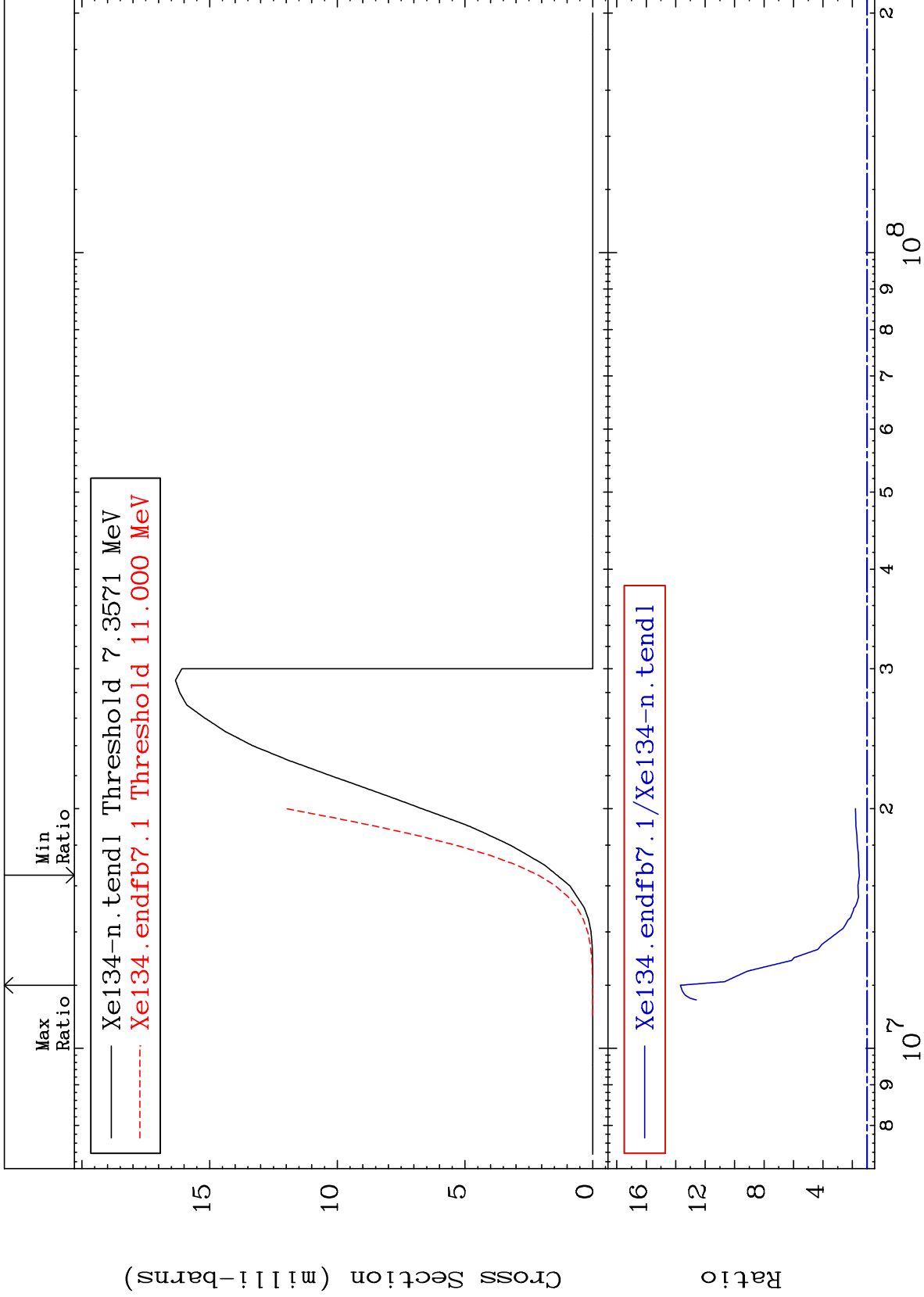
(n, d)

54-Xe-134

Cross Section

52.47

To 1268. %



30

Incident Energy (eV)

54-Xe-134

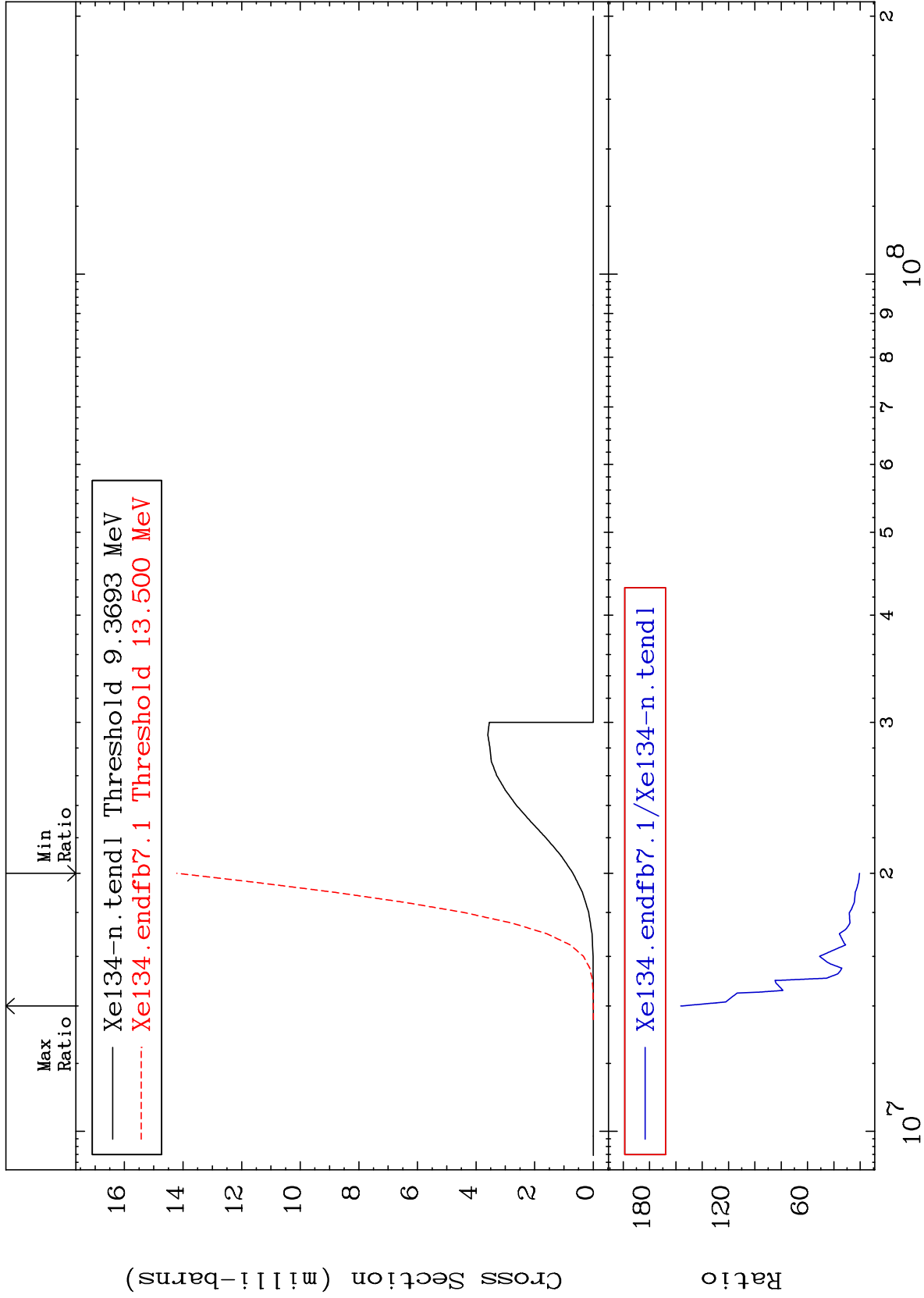
MAT 5455

(n, t)

54-Xe-134

Cross Section

1952. To 9999. %



31

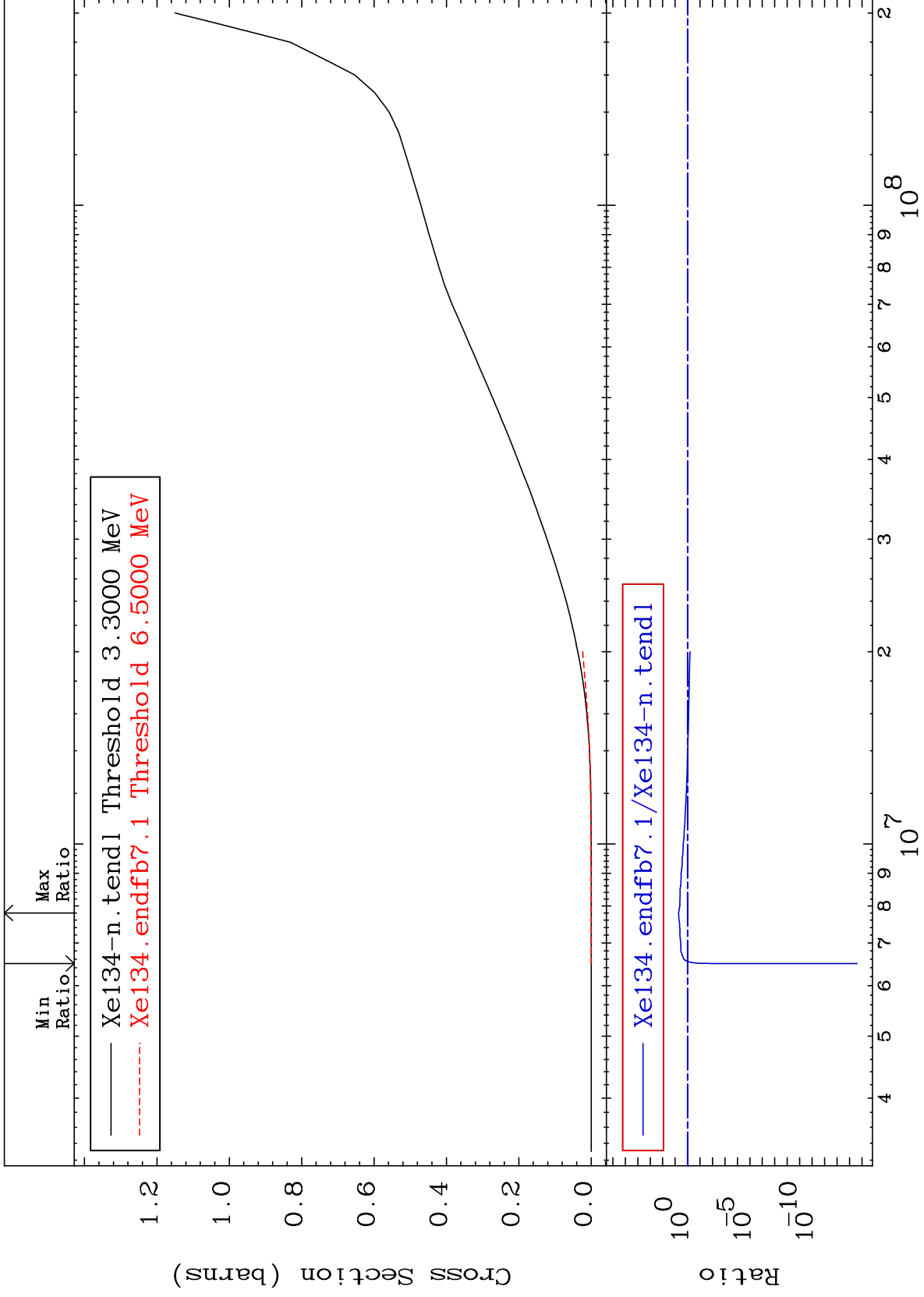
Incident Energy (eV)

54-Xe-134

MAT 5455

Hydrogen Production
Cross Section

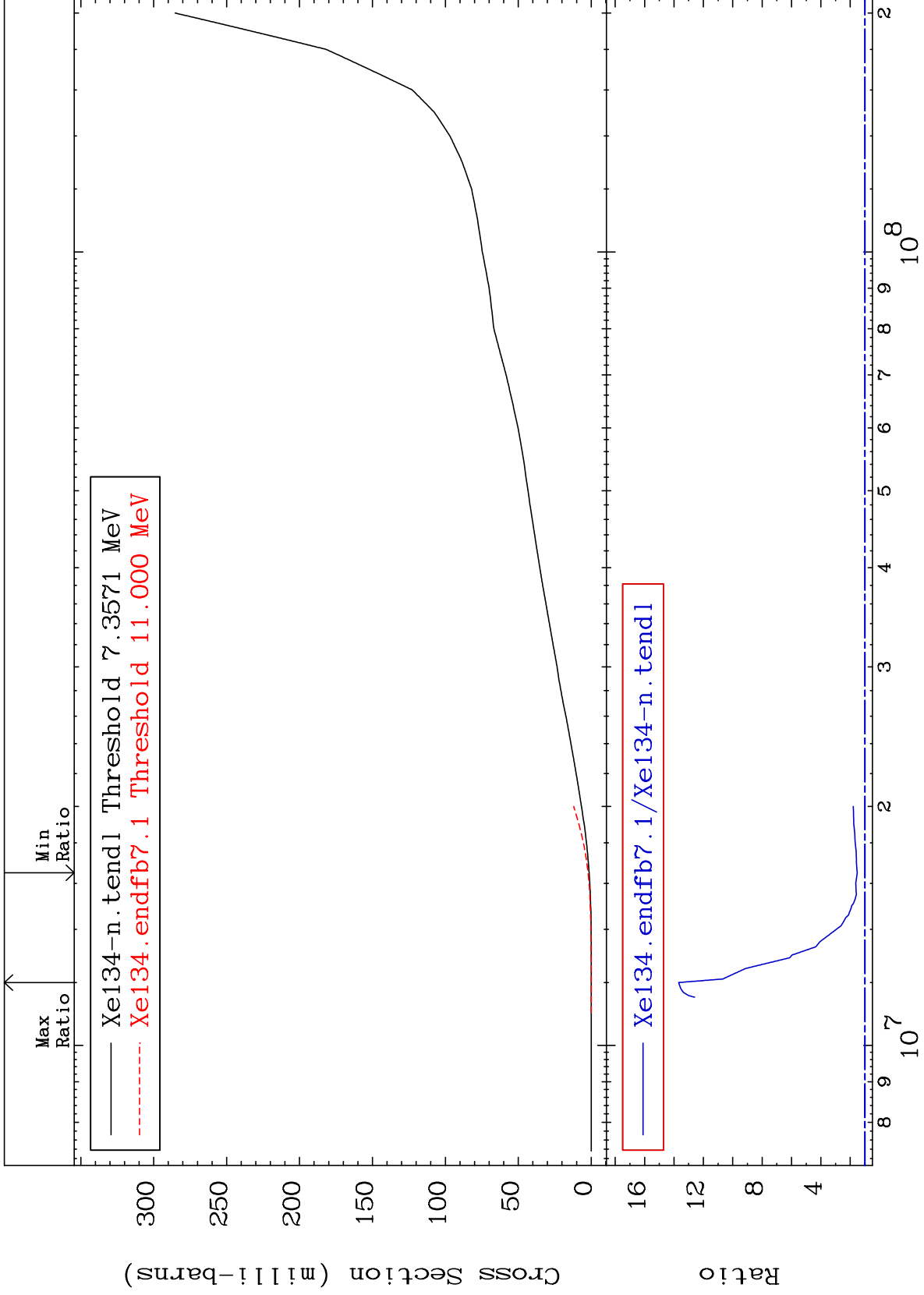
54-Xe-134
-100.0 To 421.5 %



MAT 5455

Deuterium Production
Cross Section

54-Xe-134
52.47 To 1268. %



34

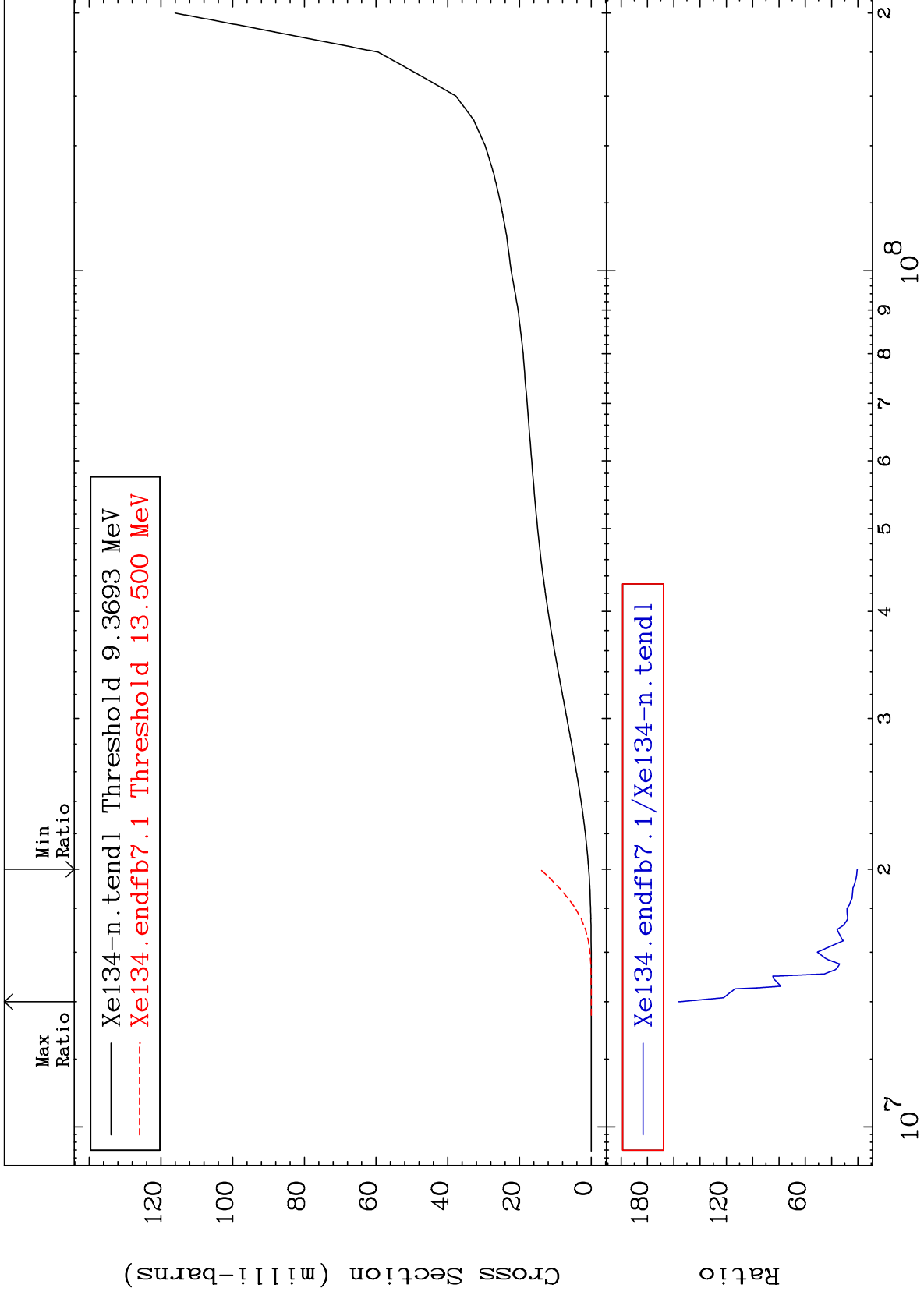
Incident Energy (eV)

54-Xe-134

MAT 5455

Tritium Production
Cross Section

54-Xe-134
1952. To 9999. %



Incident Energy (eV)

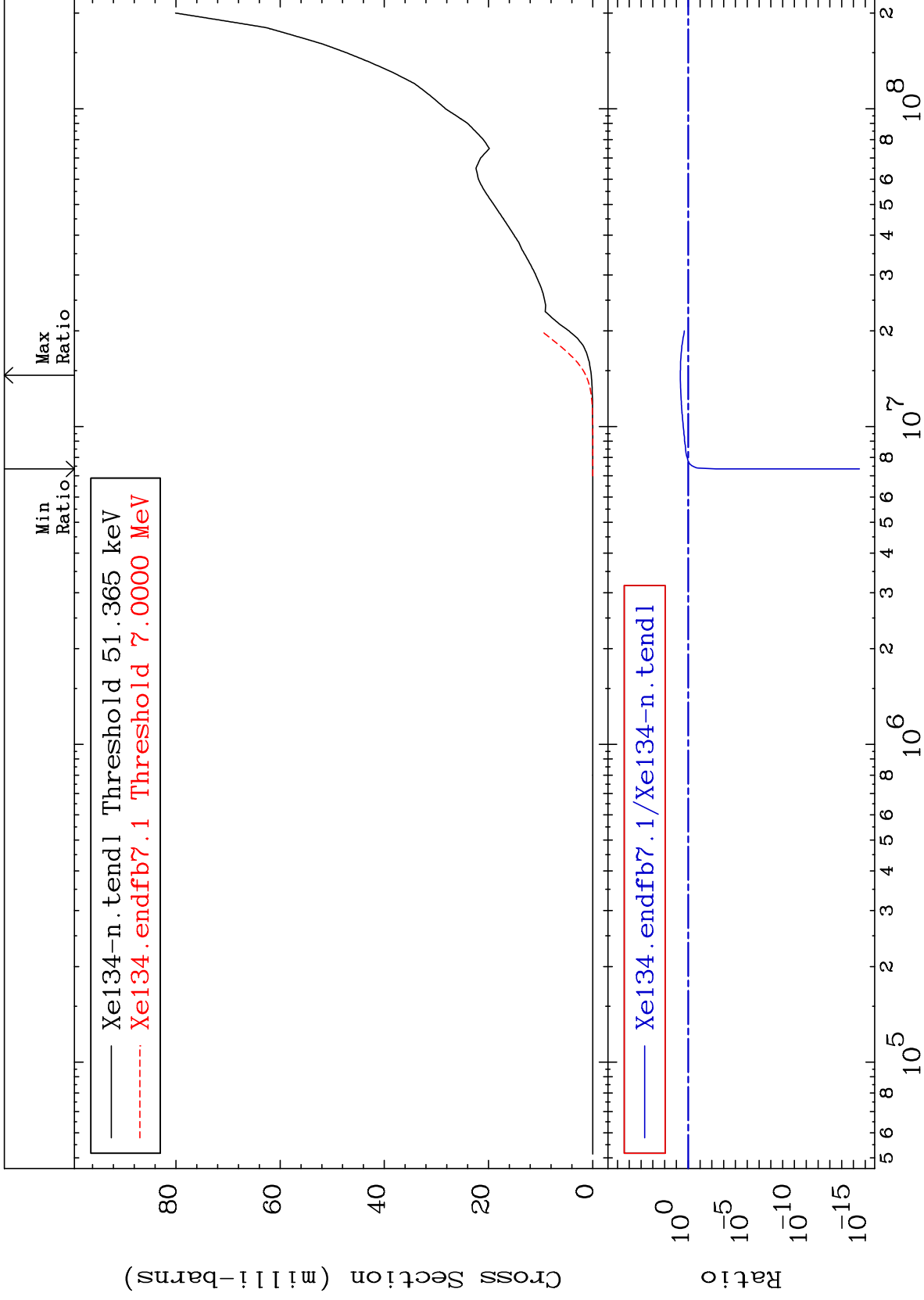
54-Xe-134

35

MAT 5455

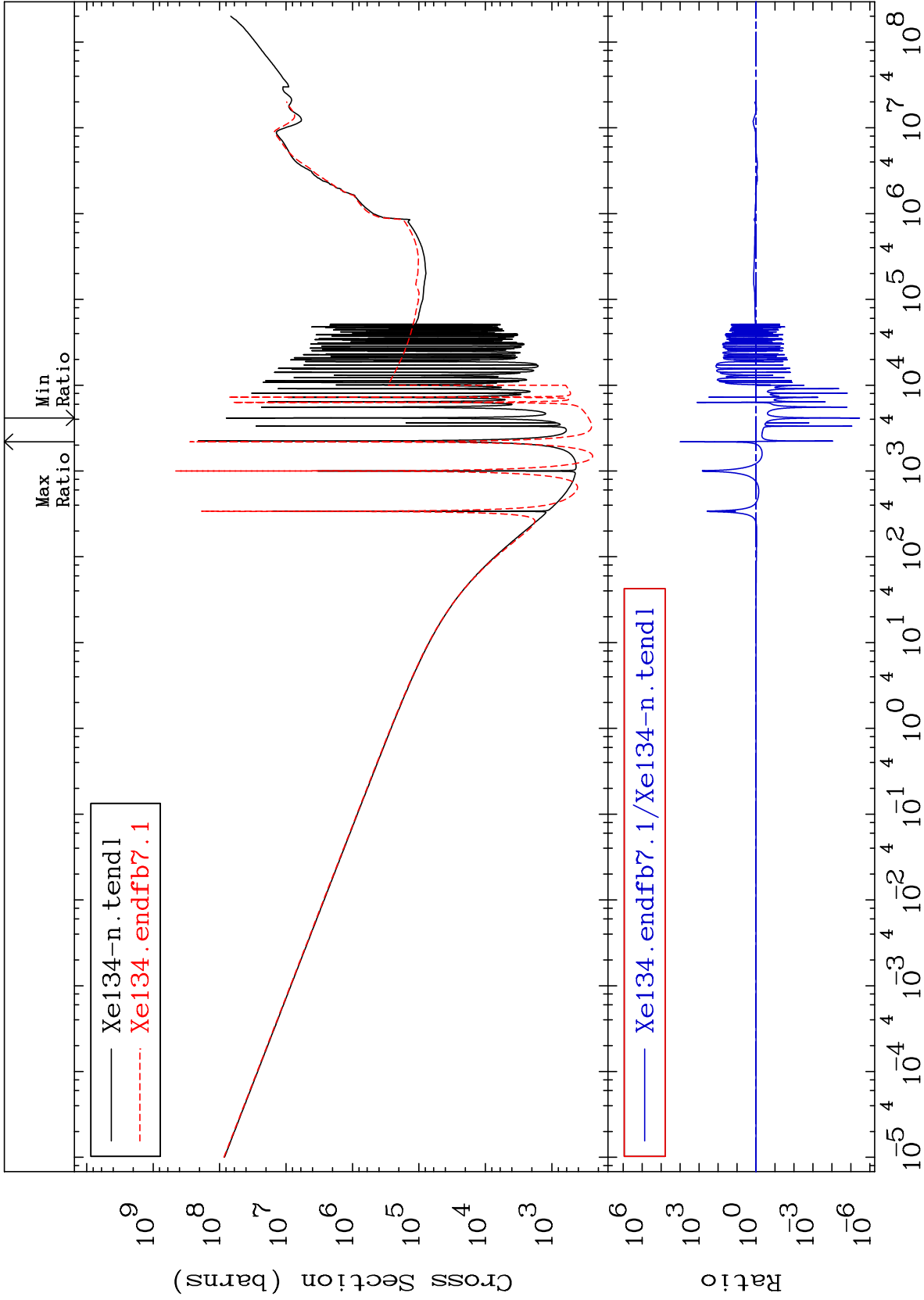
He-4 Production
Cross Section

54-Xe-134
-100.0 To 366.6 %



Cross Section

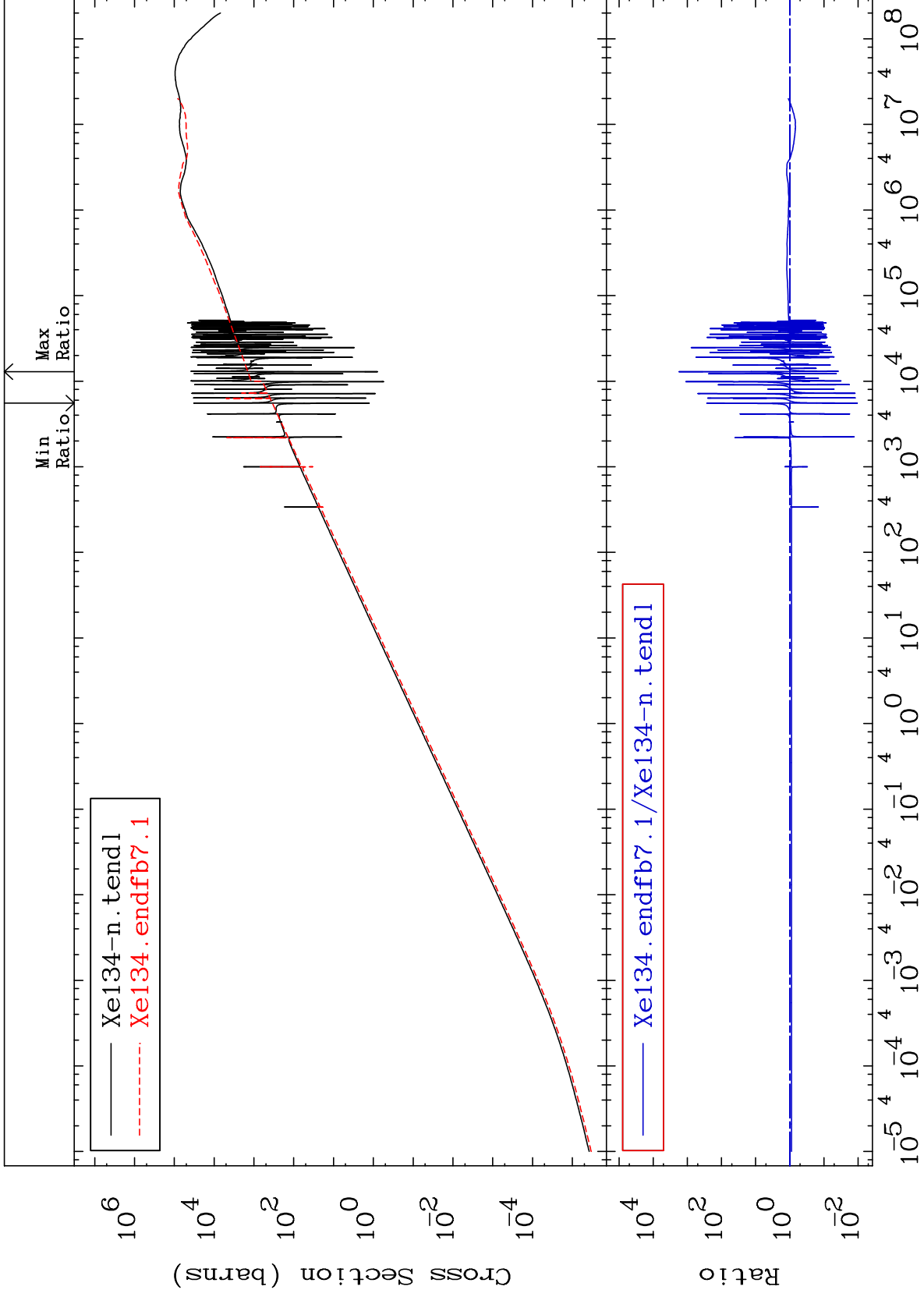
-100.0 To 9999. %

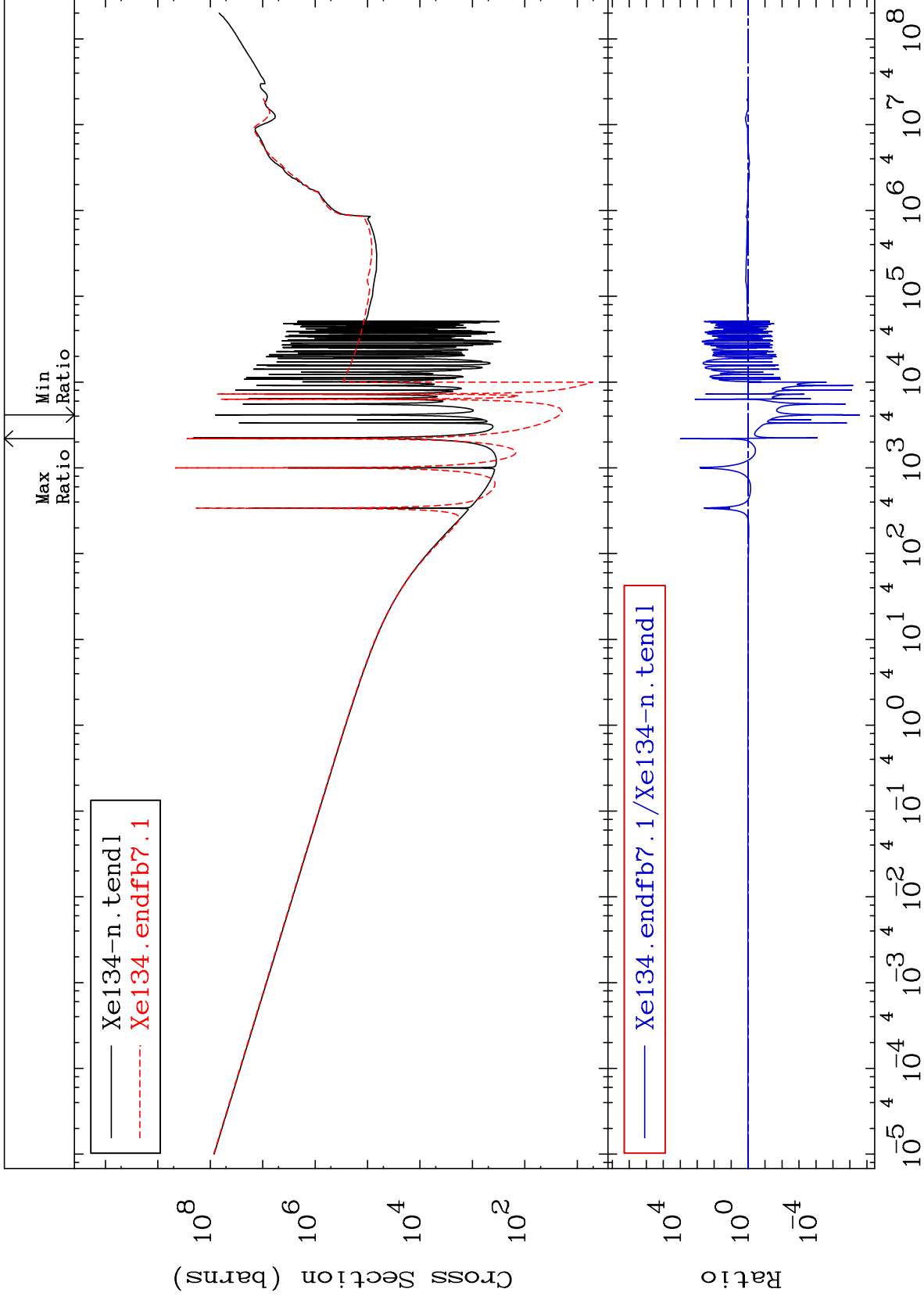


MAT 5455

Kerma elastic
Cross Section

54-Xe-134
-98.95 To 9999. %

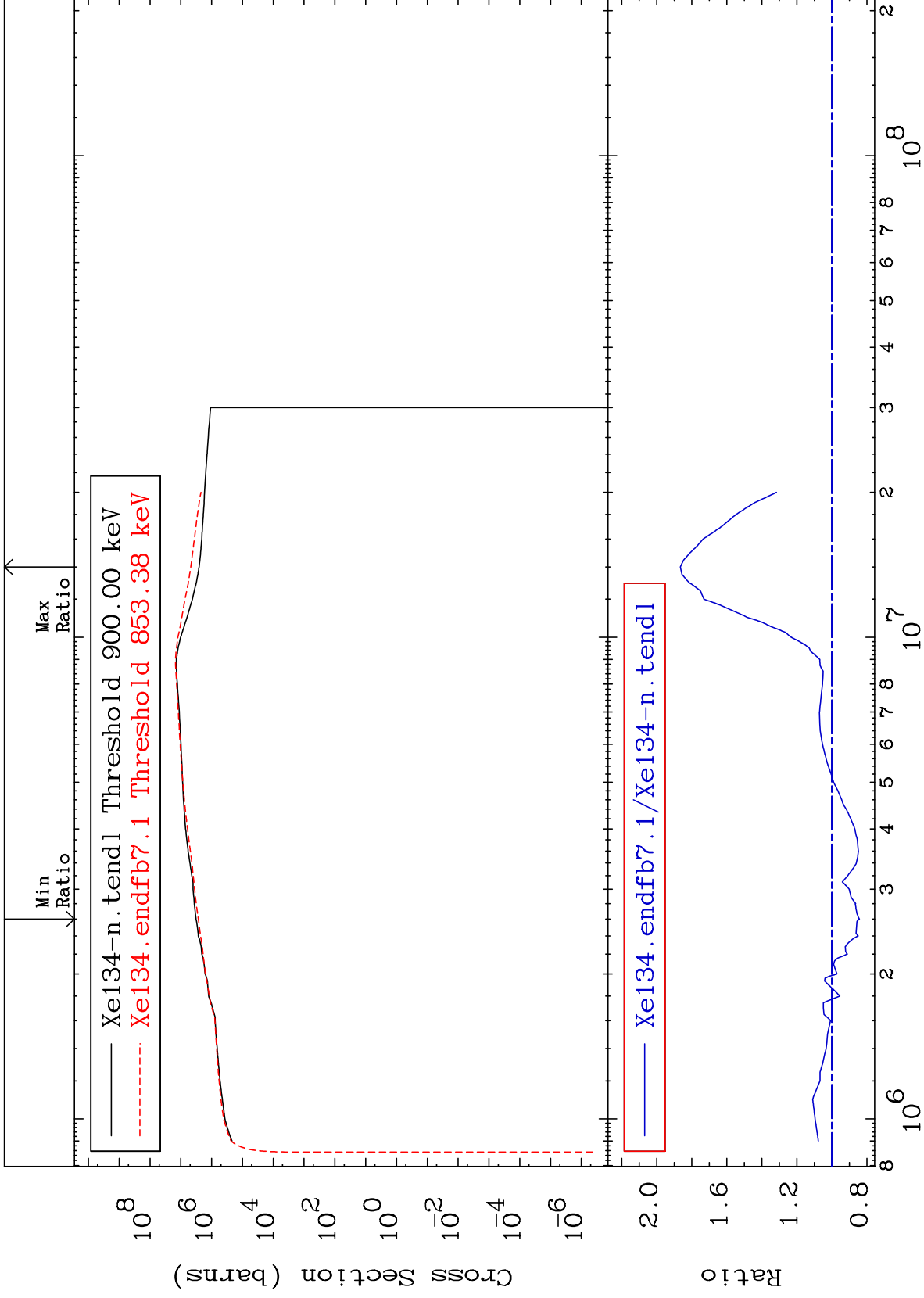




MAT 5455

Kerma inelastic (mt51-91)
Cross Section

54-Xe-134
-15.77 To 86.46 %



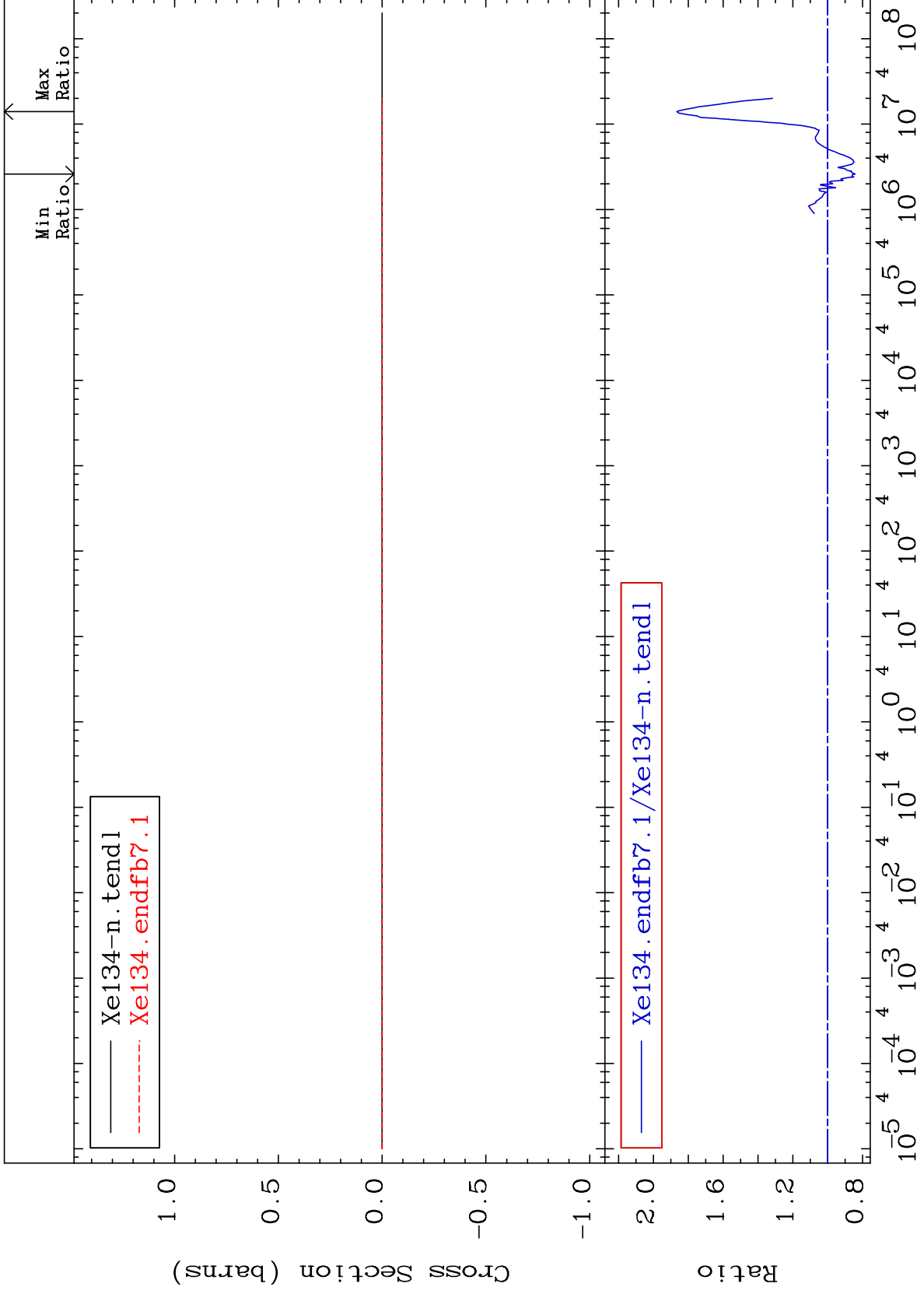
40

54-Xe-134

MAT 5455

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

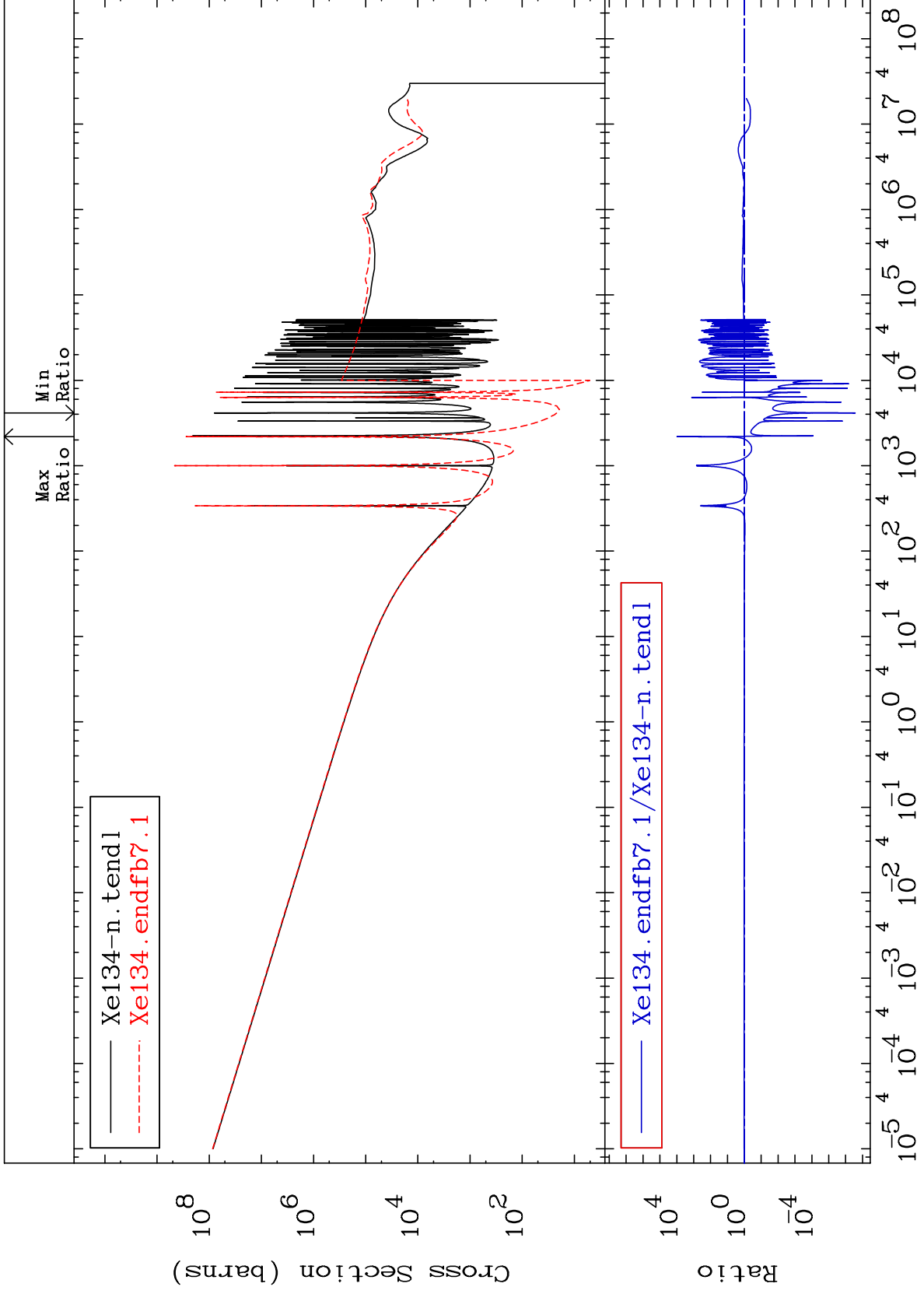
54-Xe-134
-15.77 To 86.46 %

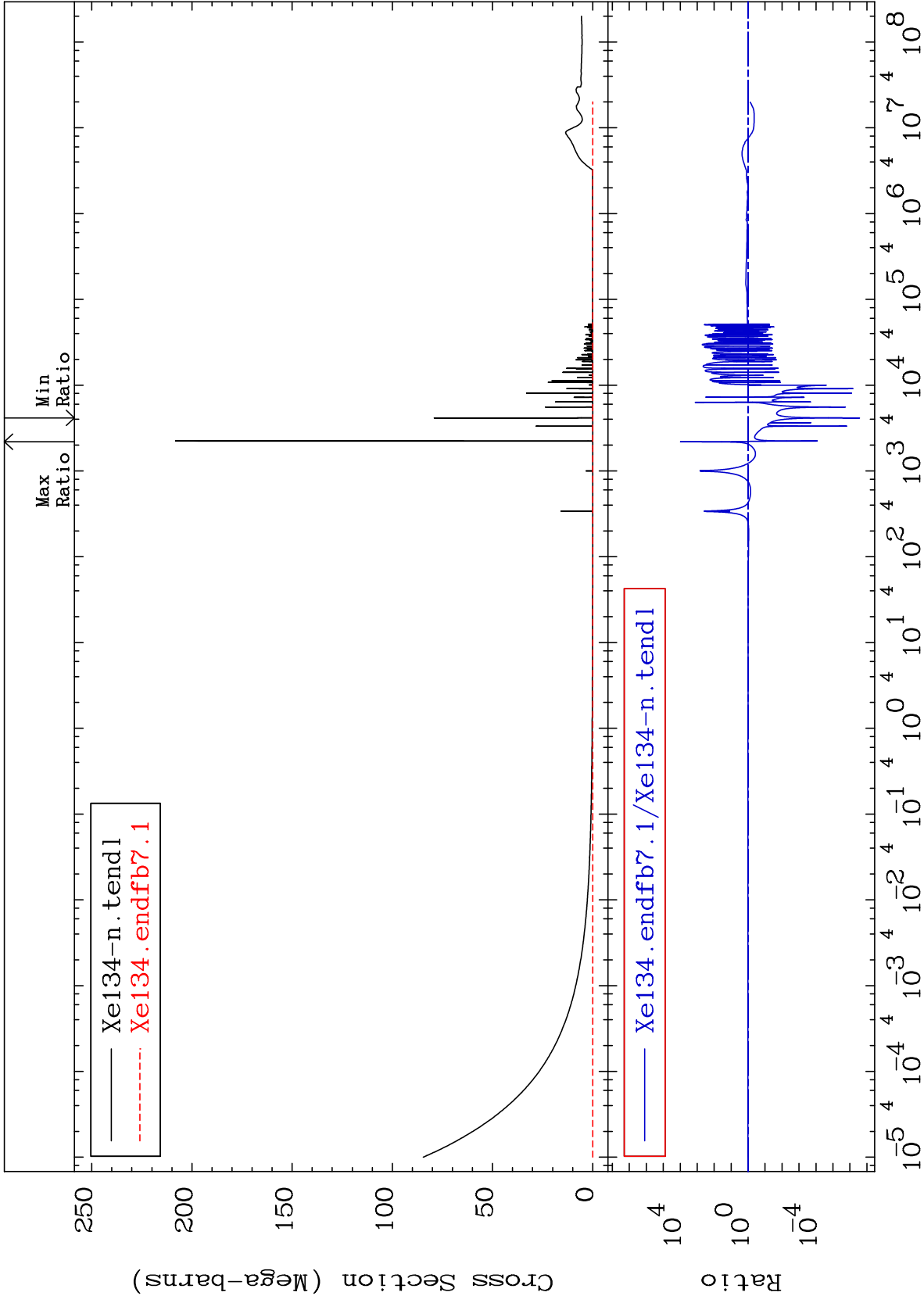


MAT 5455

Kerma capture (mt102)
Cross Section

54-Xe-134
-100.0 To 9999. %

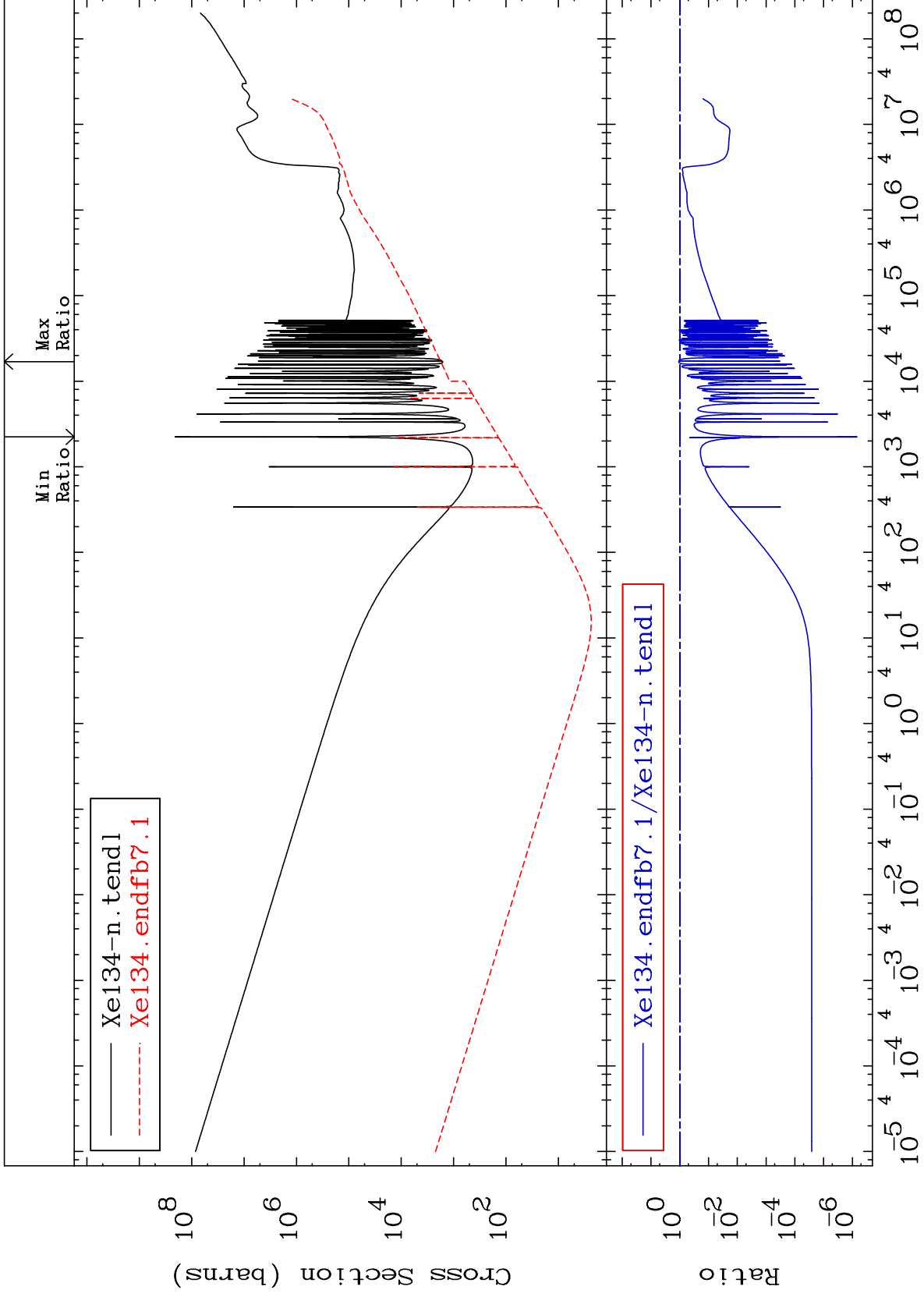




MAT 5455

Total kinematic kerma (high limit)
Cross Section

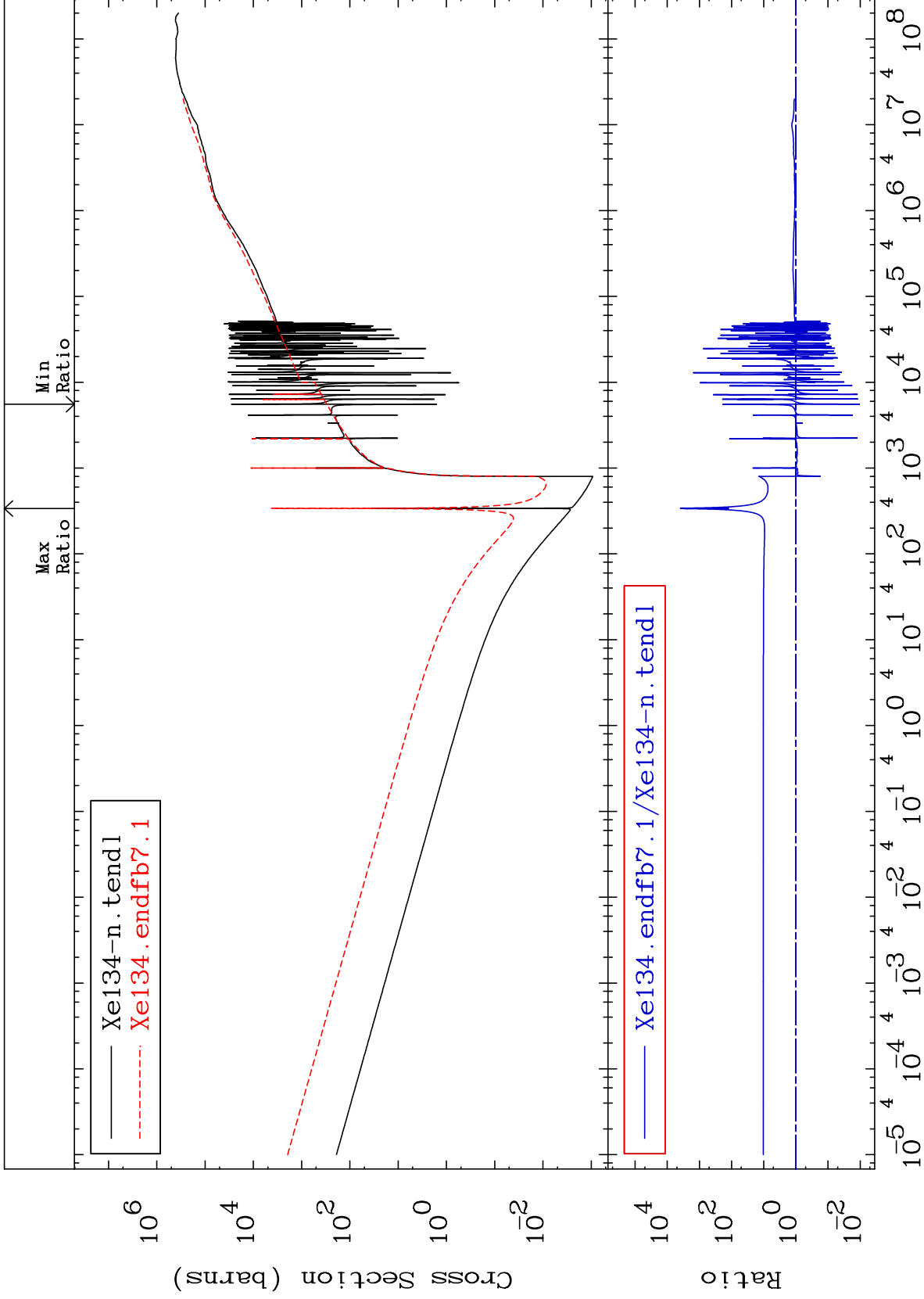
54-Xe-134
-100.0 To 9.486 %



44

Incident Energy (eV)

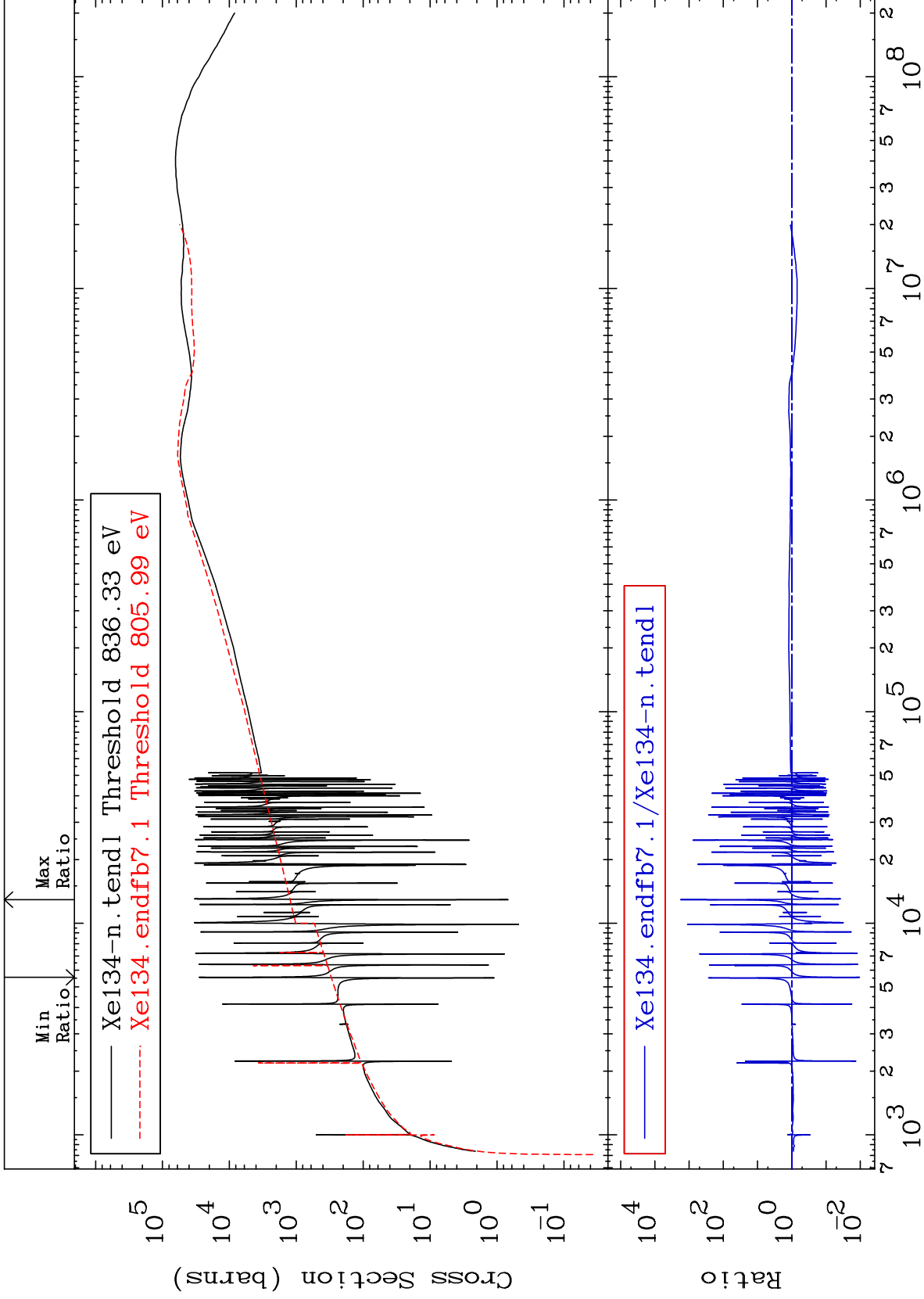
54-Xe-134



MAT 5455

Dpa elastic (mt2)
Cross Section

54-Xe-134
-98.94 To 9999. %



46

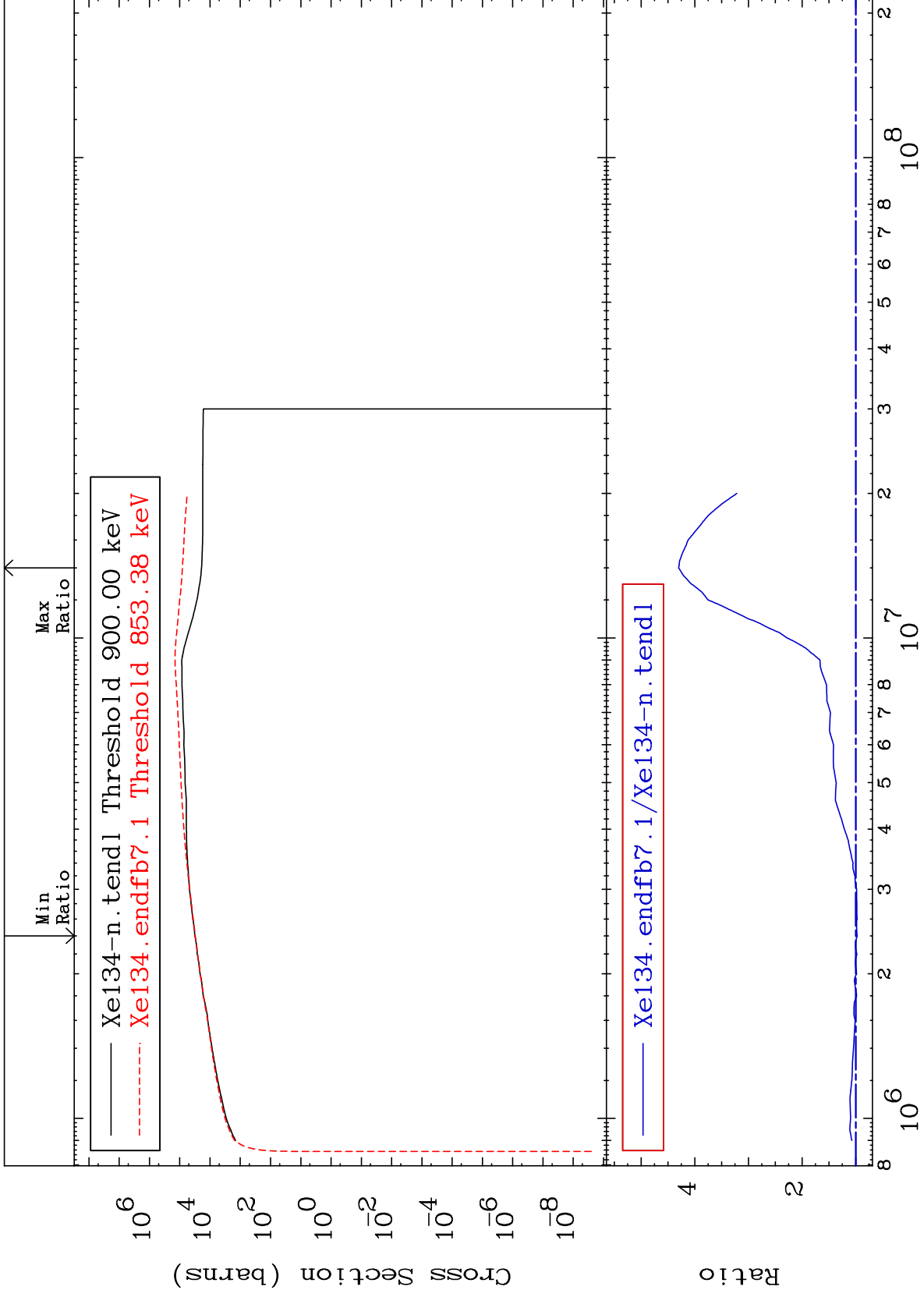
Incident Energy (eV)

54-Xe-134

MAT 5455

Dpa inelastic (mt51-91)
Cross Section

54-Xe-134
-2.793 To 330.0 %



47

54-Xe-134

