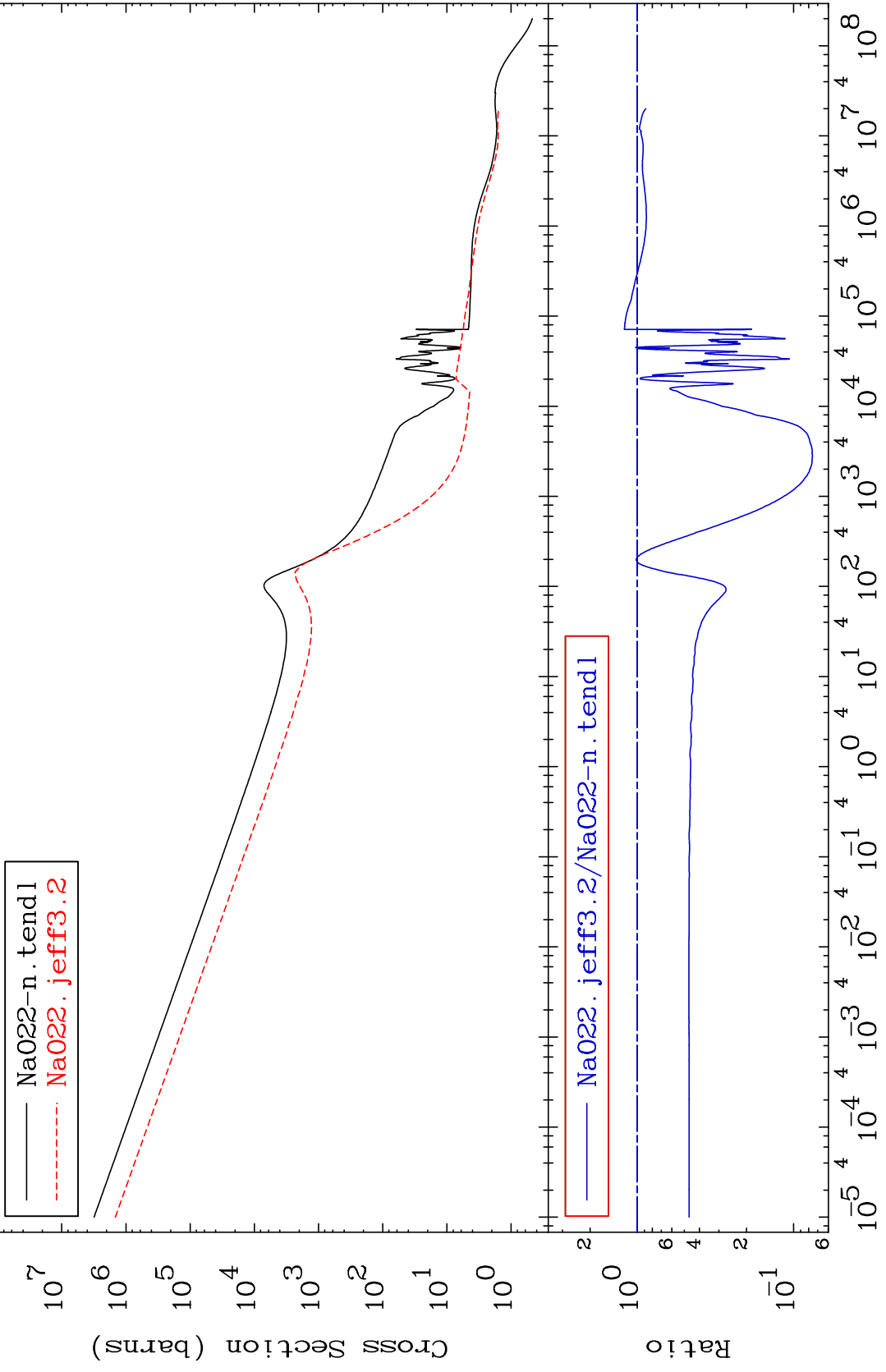


MAT 1122

Total Cross Section

11-Na-22  
-92.43 To 20.82 %



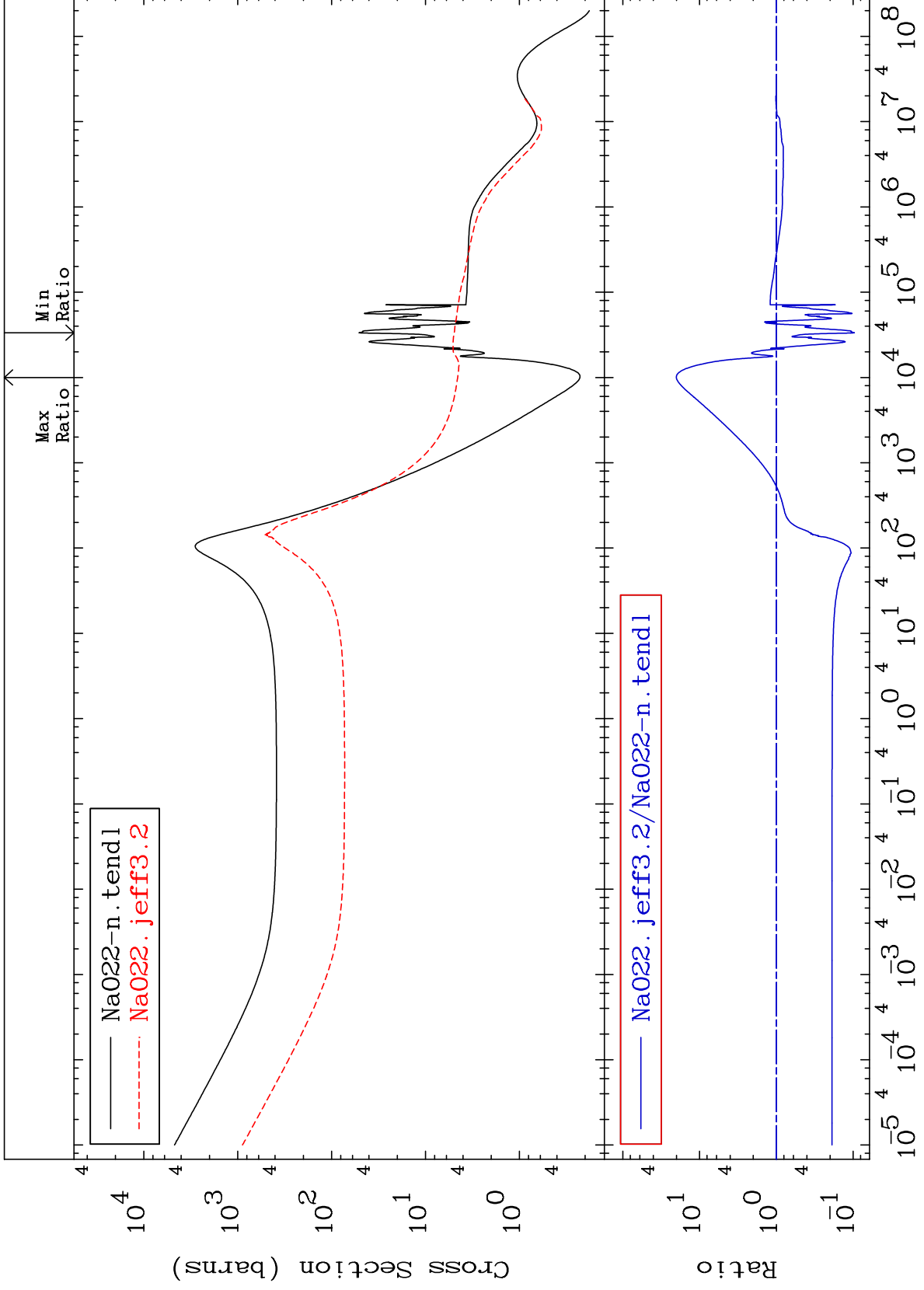
Incident Energy (eV)

11-Na-22

MAT 1122

Elastic  
Cross Section

11-Na-22  
-90.36 To 1907. %



2

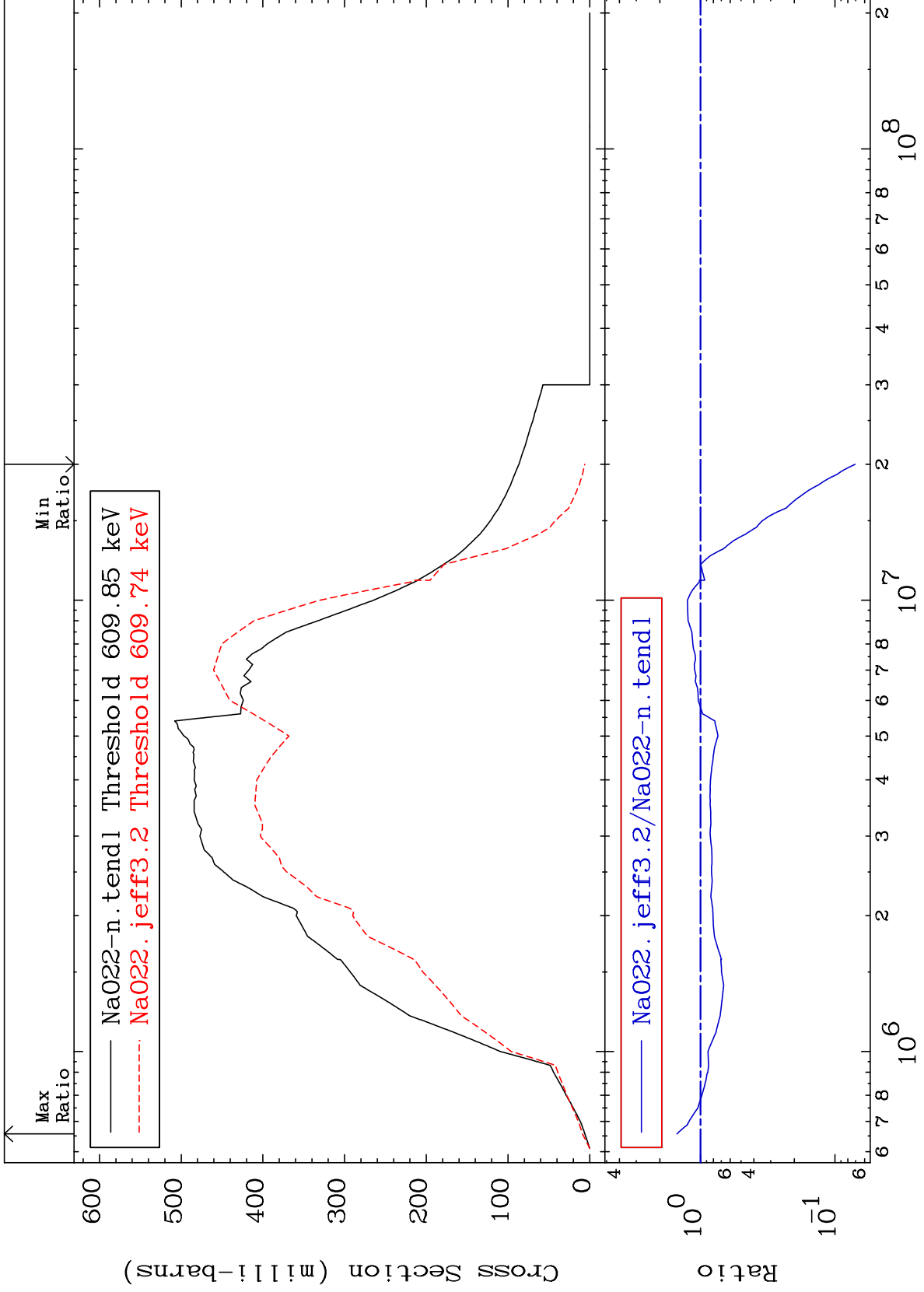
Incident Energy (eV)

11-Na-22

MAT 1122

Inelastic  
Cross Section

11-Na-22  
-92.93 To 49.57 %



3

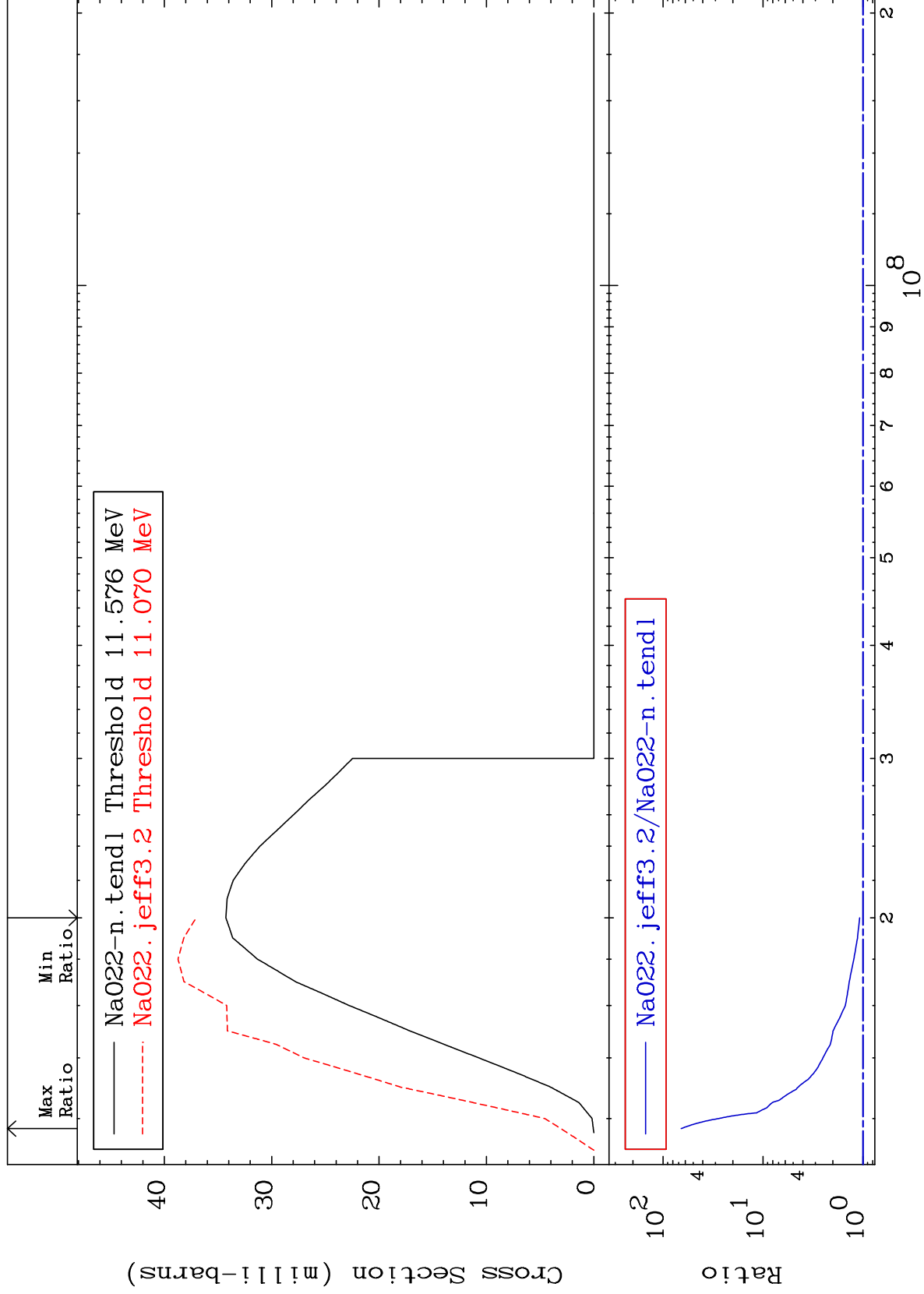
Incident Energy (eV)

11-Na-22

MAT 1122

(n,2n)  
Cross Section

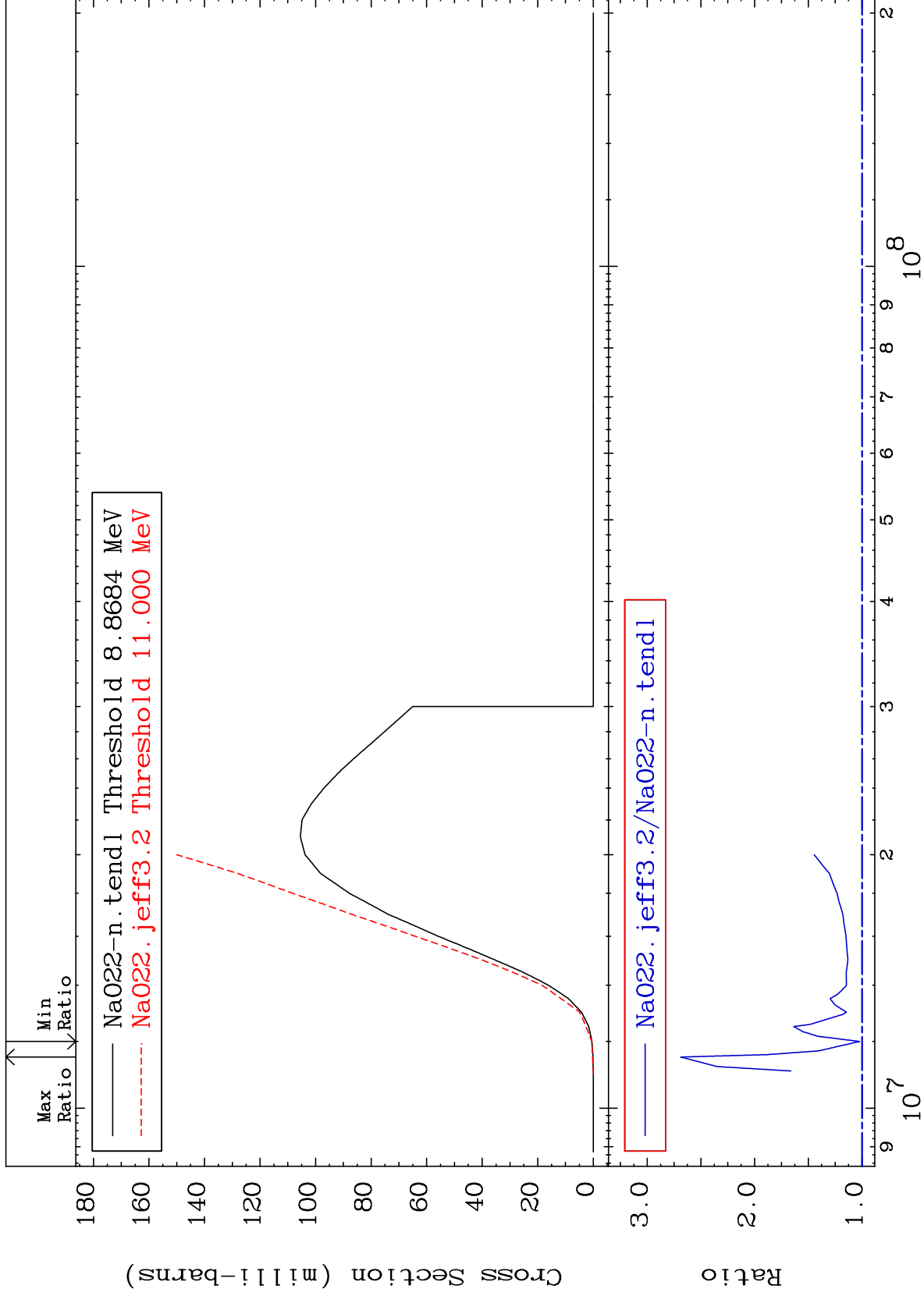
11-Na-22  
8.068 To 6487. %



MAT 1122

(n, n')  $\alpha$   
Cross Section

11-Na-22  
2.254 To 168.8 %



11-Na-22

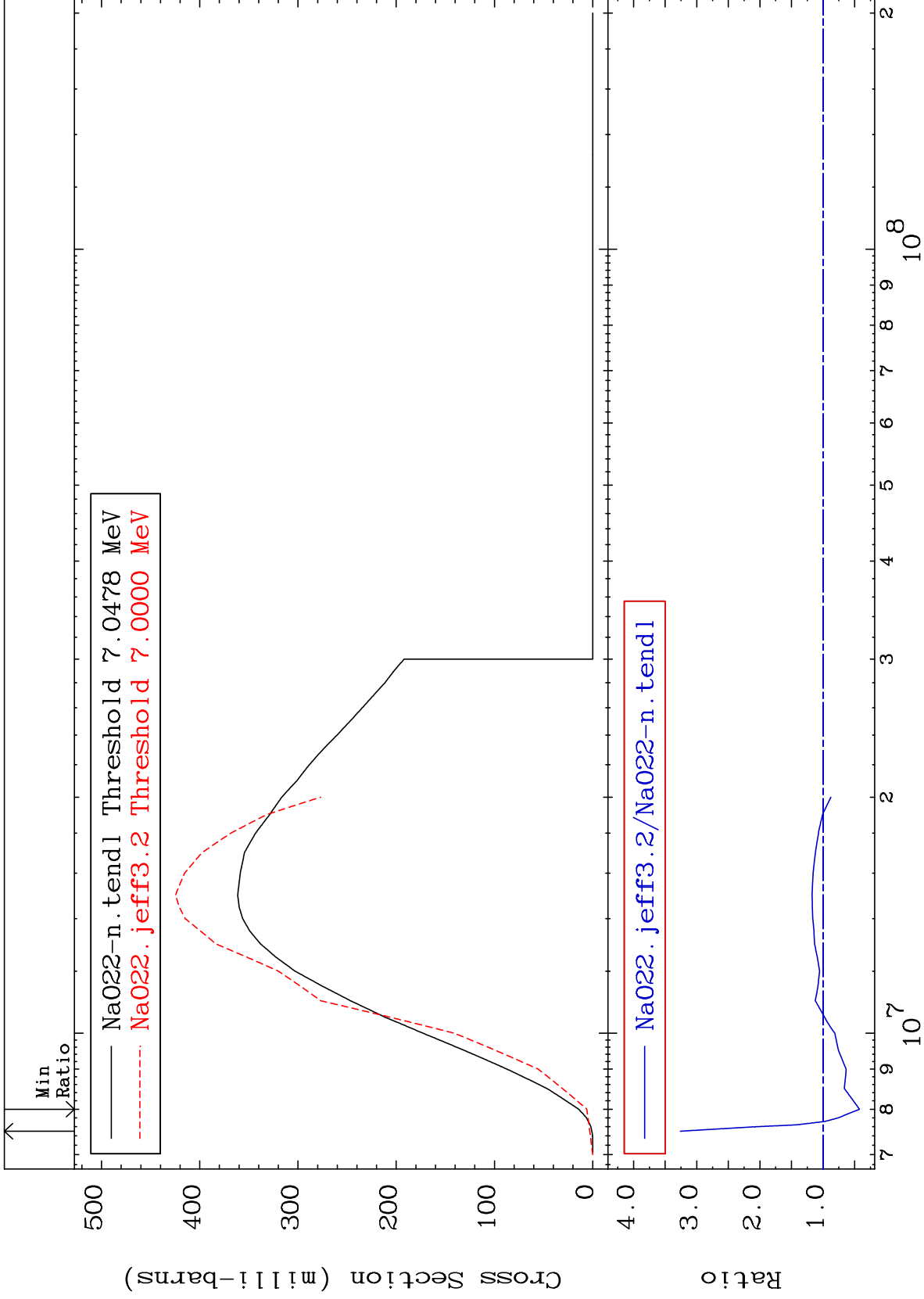
Incident Energy (eV)

5

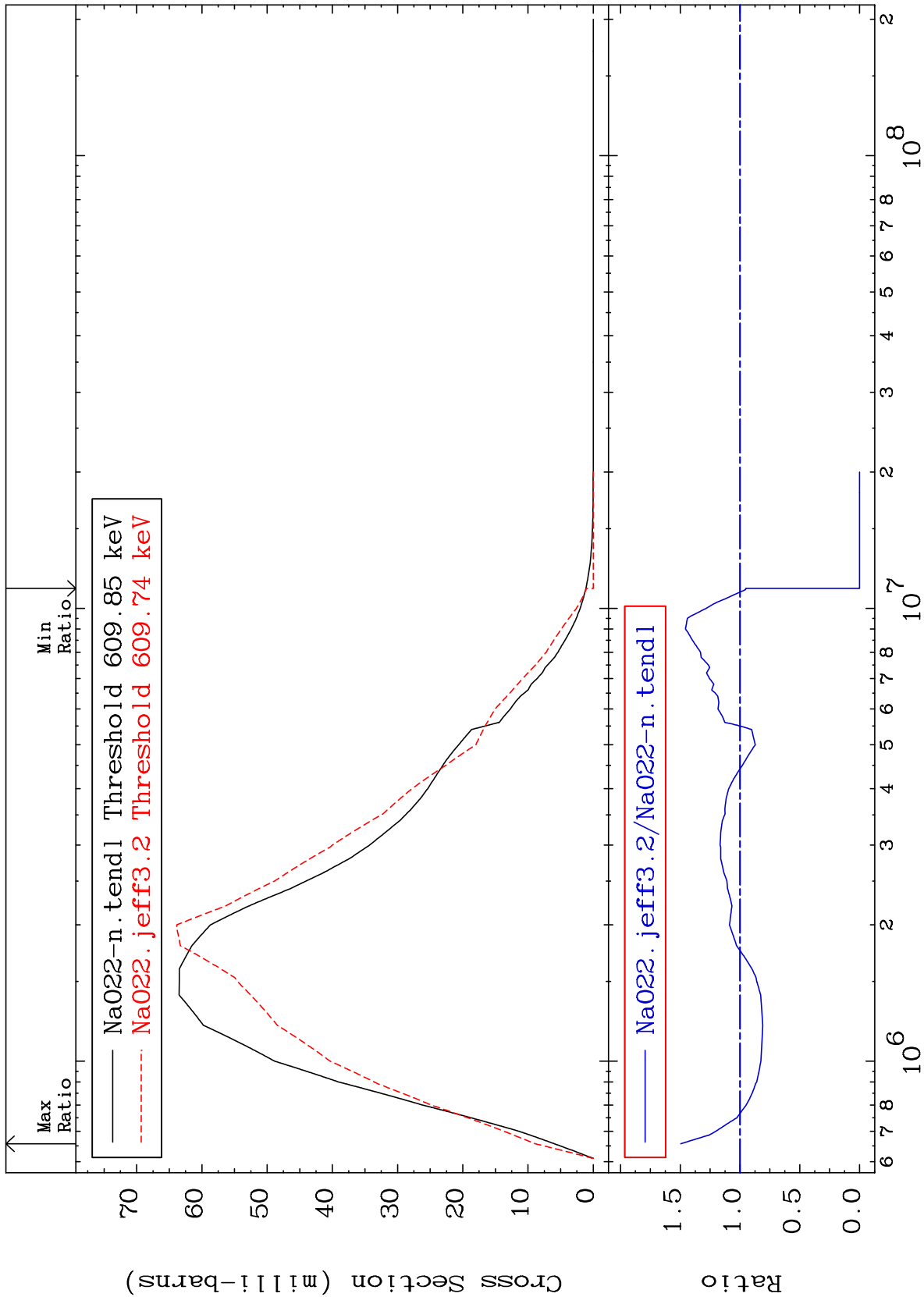
MAT 1122

(n,n') p  
Cross Section

11-Na-22  
-57.57 To 226.0 %



MAT 1122 583.1 keV (n,n') Level 11-Na-22  
 Cross Section -100.0 To 49.57 %



7 Incident Energy (eV) 11-Na-22

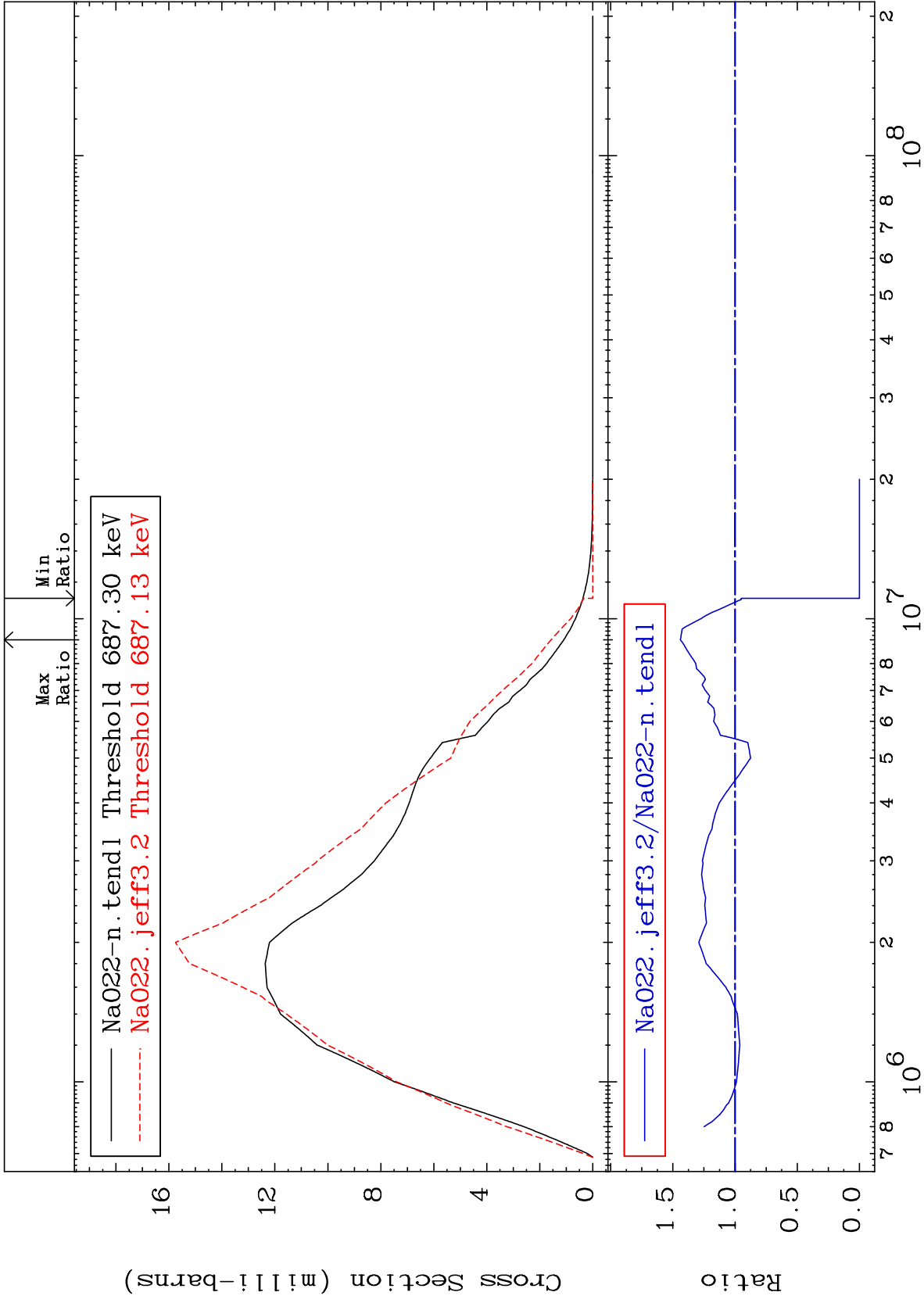
MAT 1122

657.2 keV (n,n') Level

11-Na-22

-100.0 To 43.98 %

Cross Section



8

Incident Energy (eV)

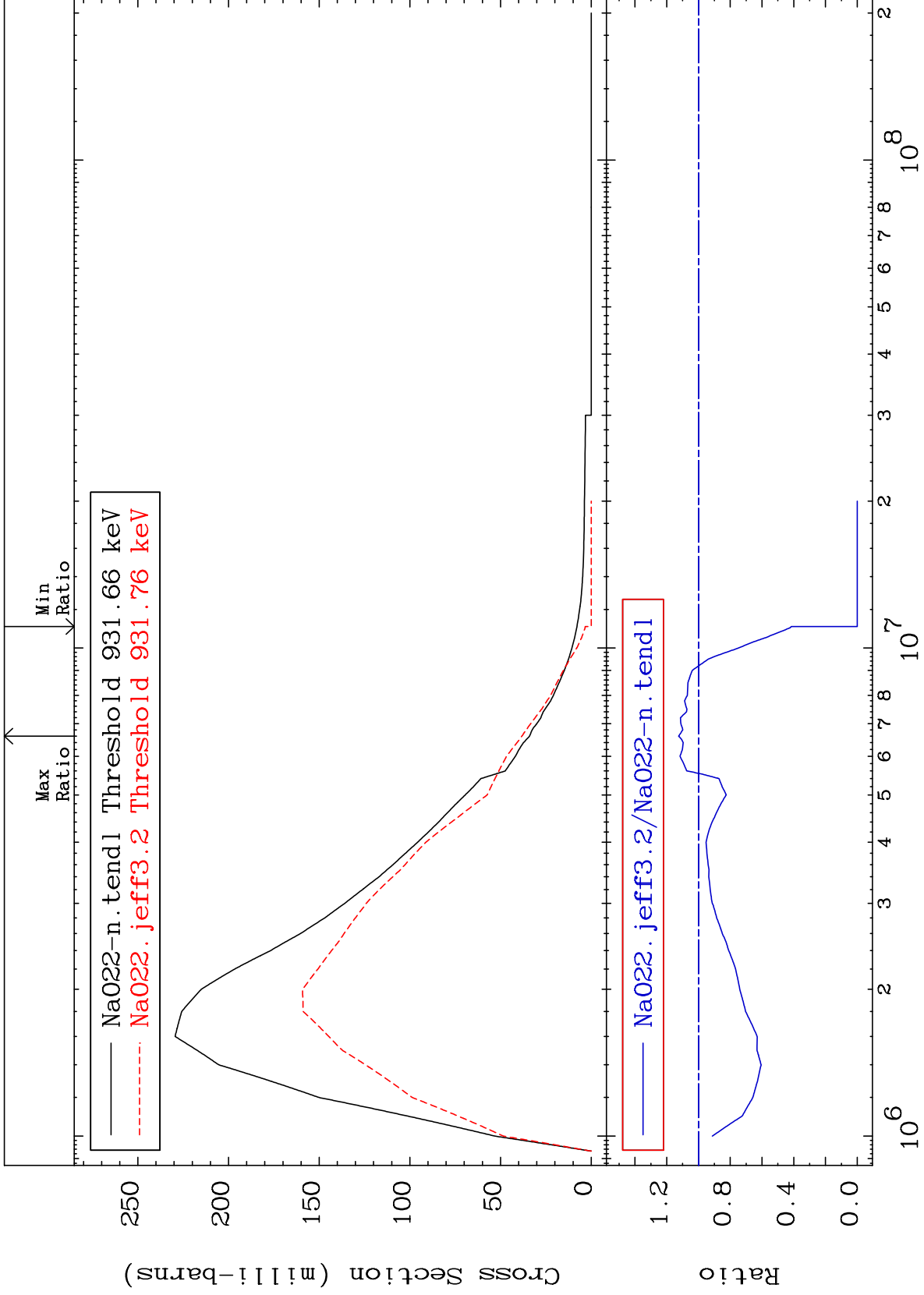
11-Na-22



MAT 1122

890.8 keV (n,n') Level  
Cross Section

11-Na-22  
-100.0 To 12.52 %



9

Incident Energy (eV)

11-Na-22

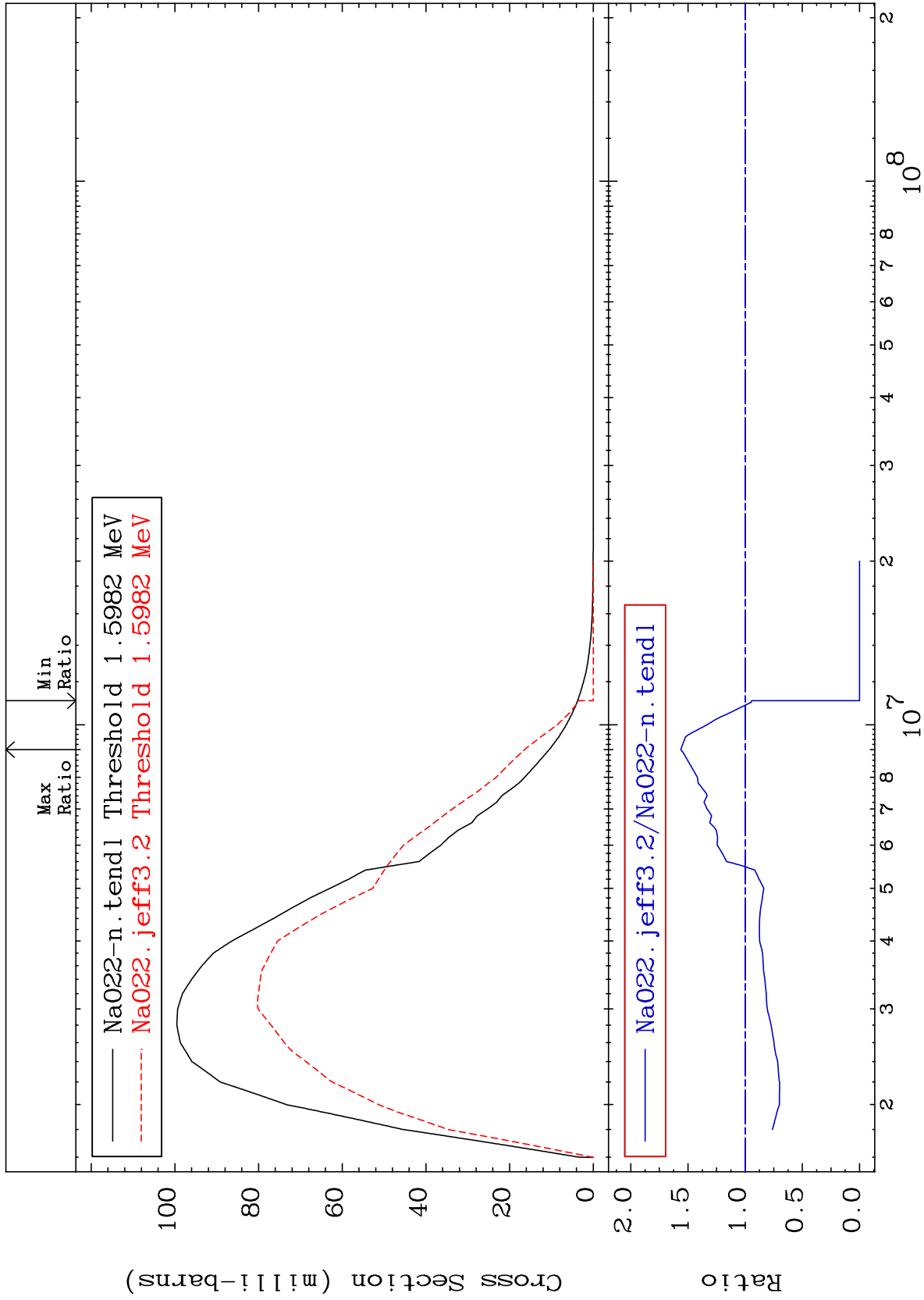
MAT 1122

1.528 MeV (n,n') Level

11-Na-22

-100.0 To 56.30 %

Cross Section



10

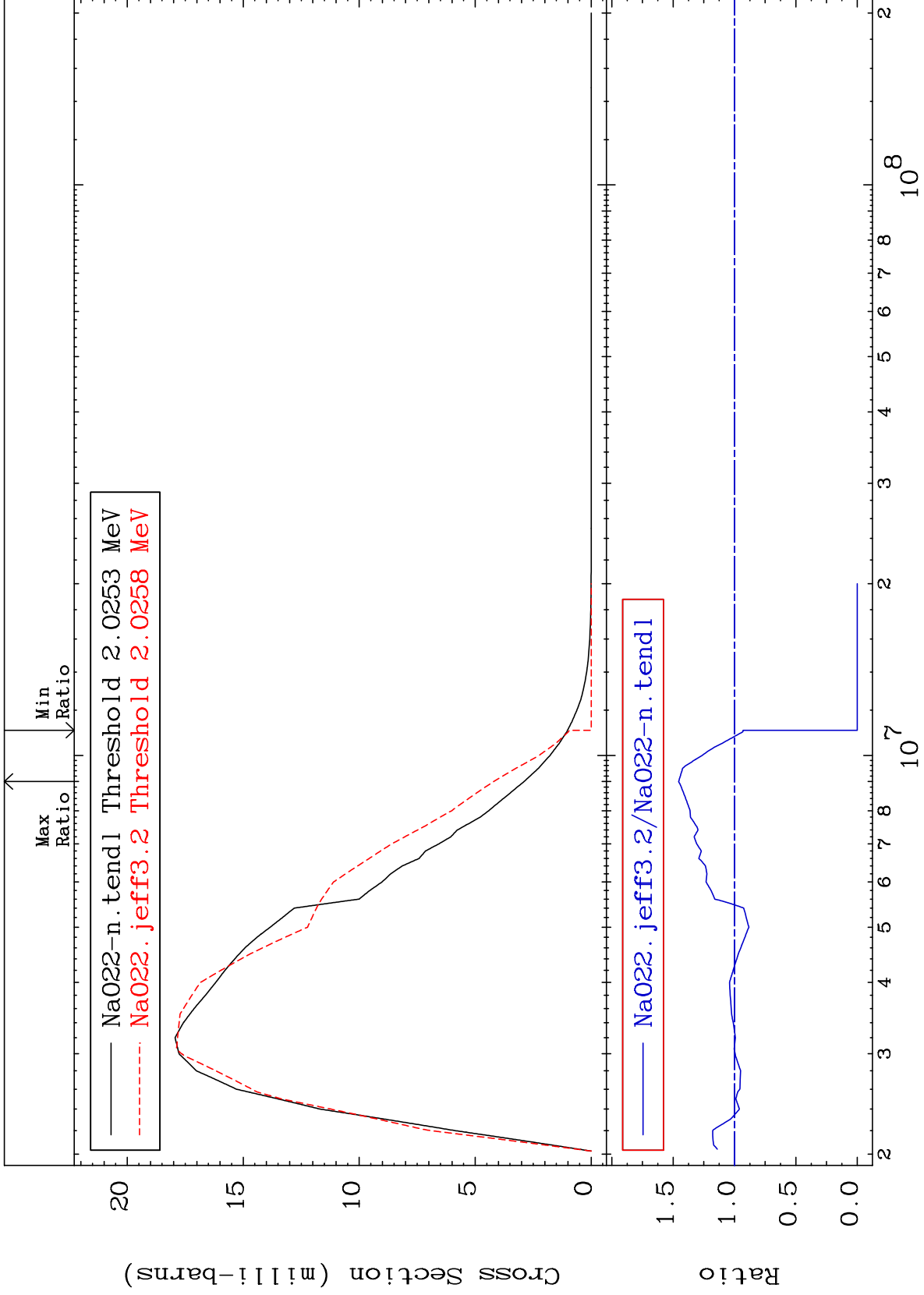
Incident Energy (eV)

11-Na-22

MAT 1122

1.936 MeV (n,n') Level  
Cross Section

11-Na-22  
-100.0 To 45.53 %



11

11-Na-22

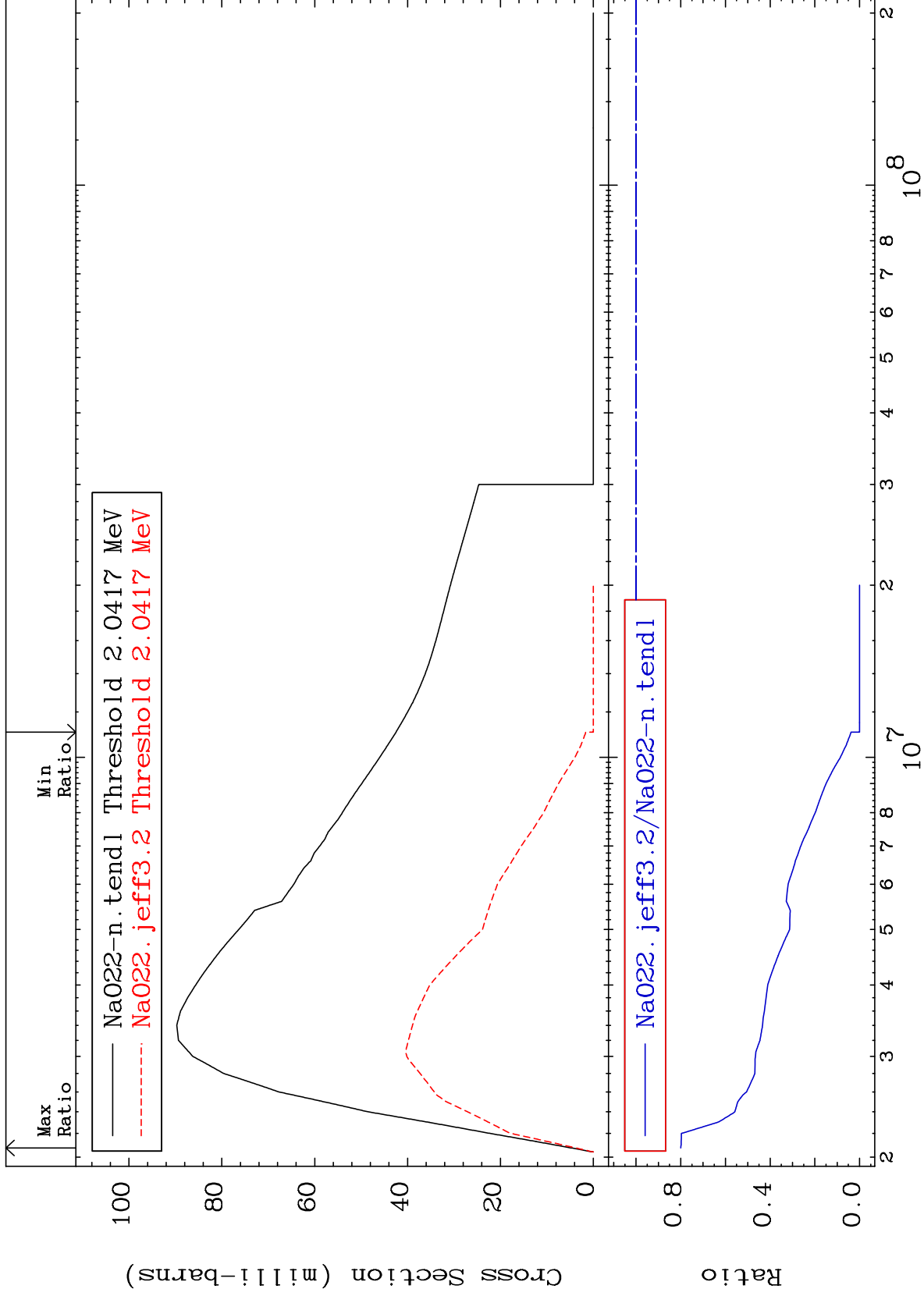
MAT 1122

1.952 MeV (n,n') Level

11-Na-22

Cross Section

-100.0 To -20.01%



12

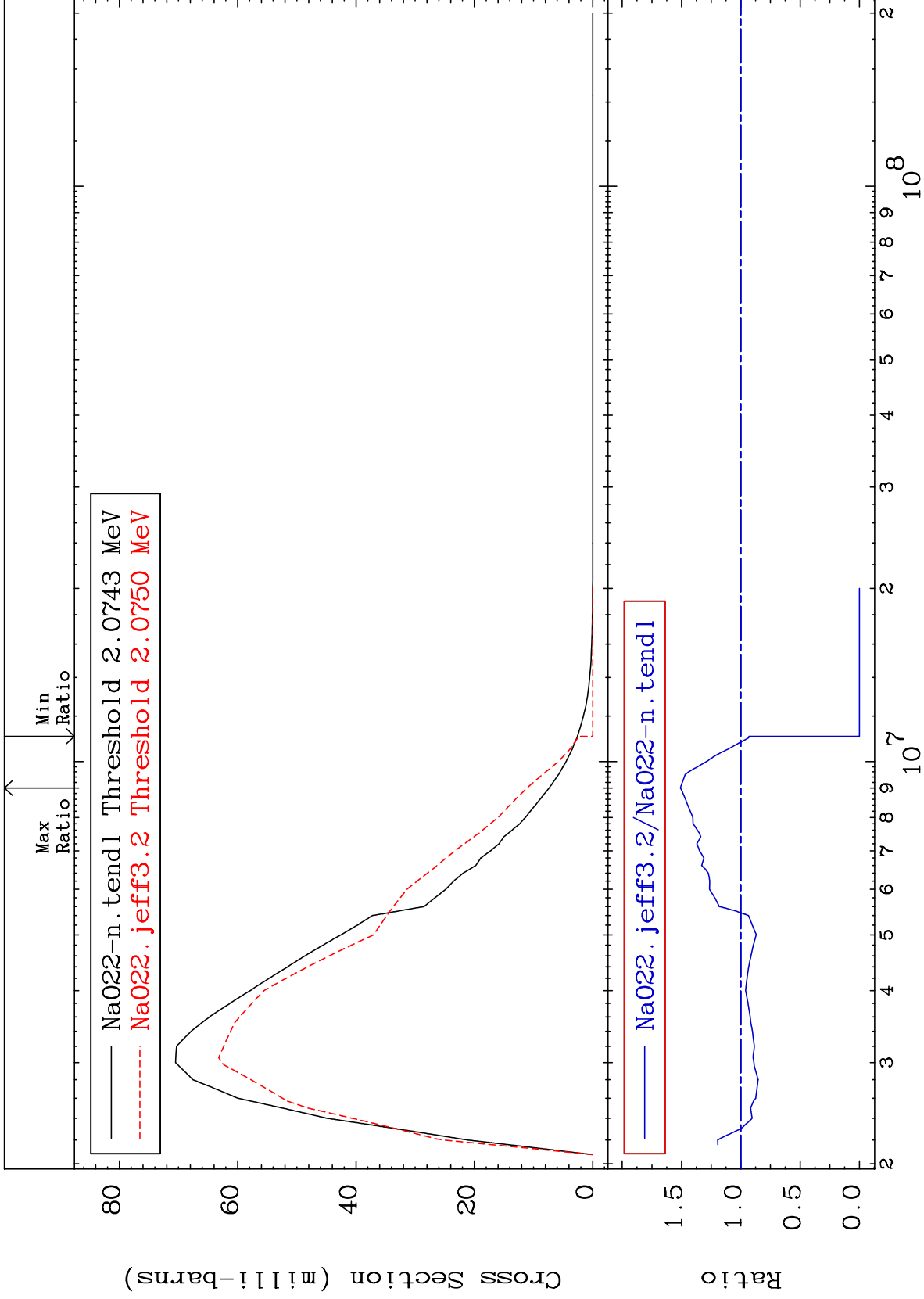
Incident Energy (eV)

11-Na-22

MAT 1122

1.983 MeV (n,n') Level  
Cross Section

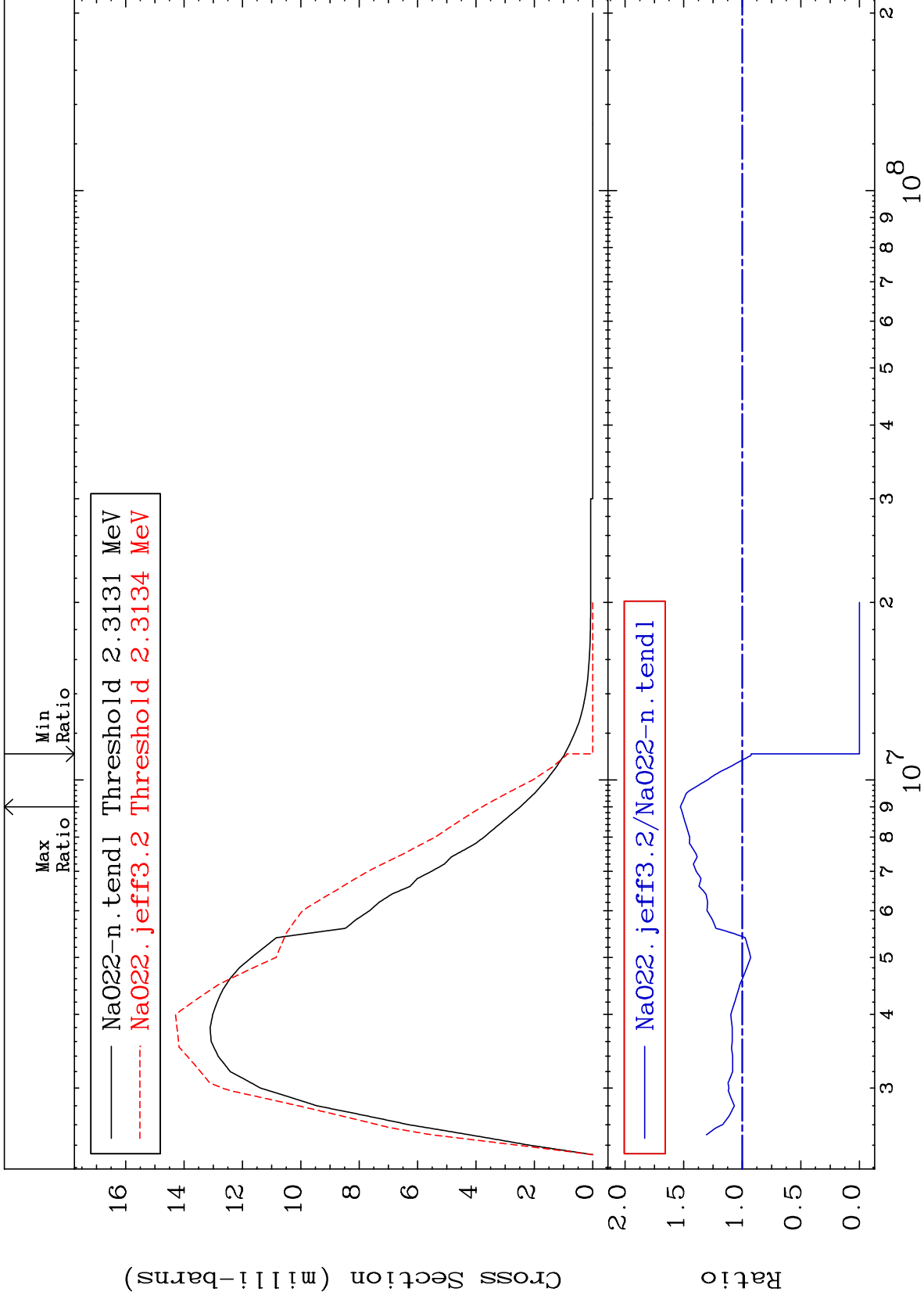
11-Na-22  
-100.0 To 50.97 %



MAT 1122

2.212 MeV (n,n') Level  
Cross Section

11-Na-22  
-100.0 To 52.86 %



14

Incident Energy (eV)

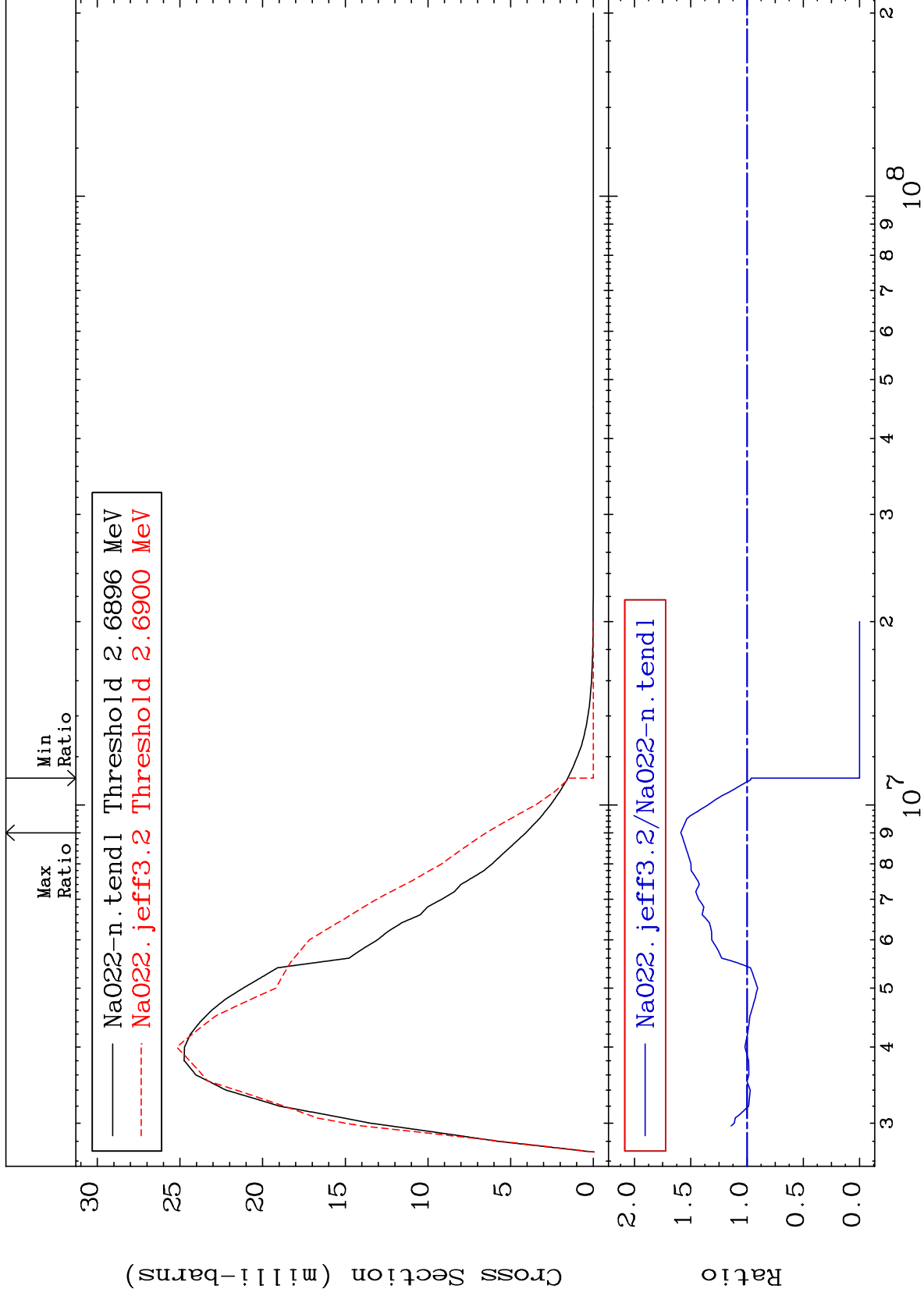
11-Na-22

MAT 1122

2.572 MeV (n,n') Level

11-Na-22

-100.0 To 58.92 %



15

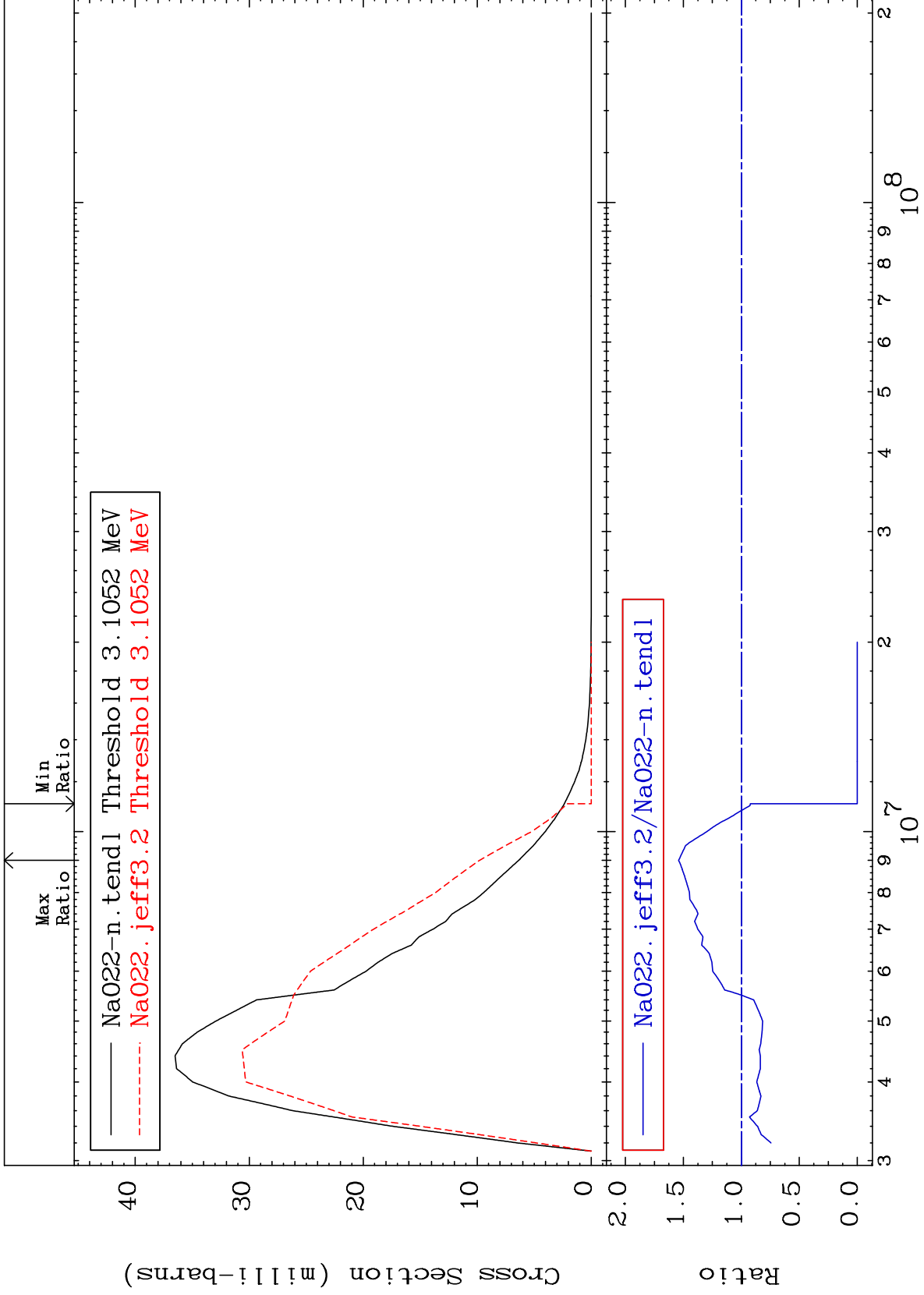
Incident Energy (eV)

11-Na-22

MAT 1122

2.969 MeV (n,n') Level  
Cross Section

11-Na-22  
-100.0 To 54.09 %



16

Incident Energy (eV)

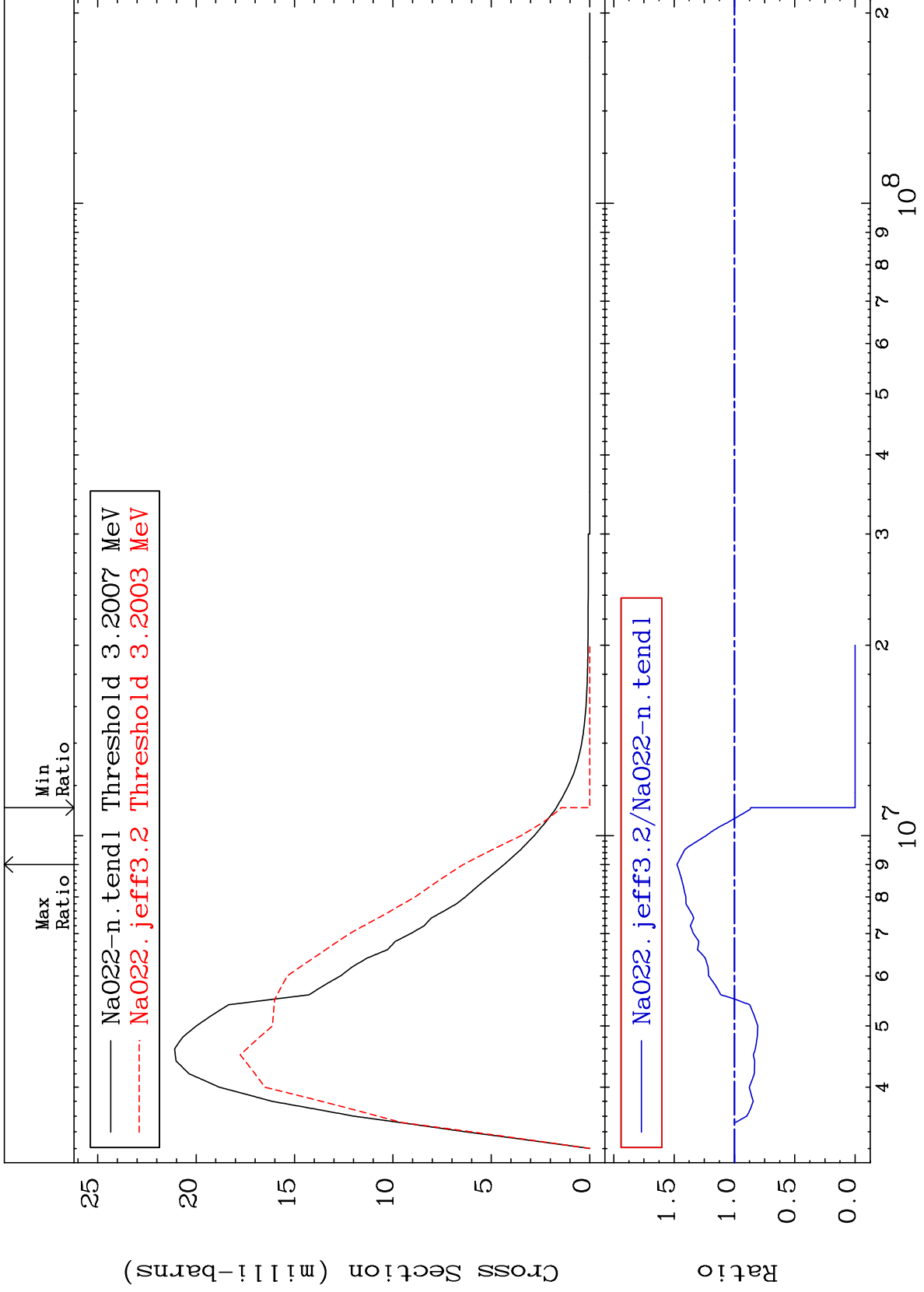
11-Na-22



MAT 1122

3.060 MeV (n,n') Level  
Cross Section

11-Na-22  
-100.0 To 47.68 %



17

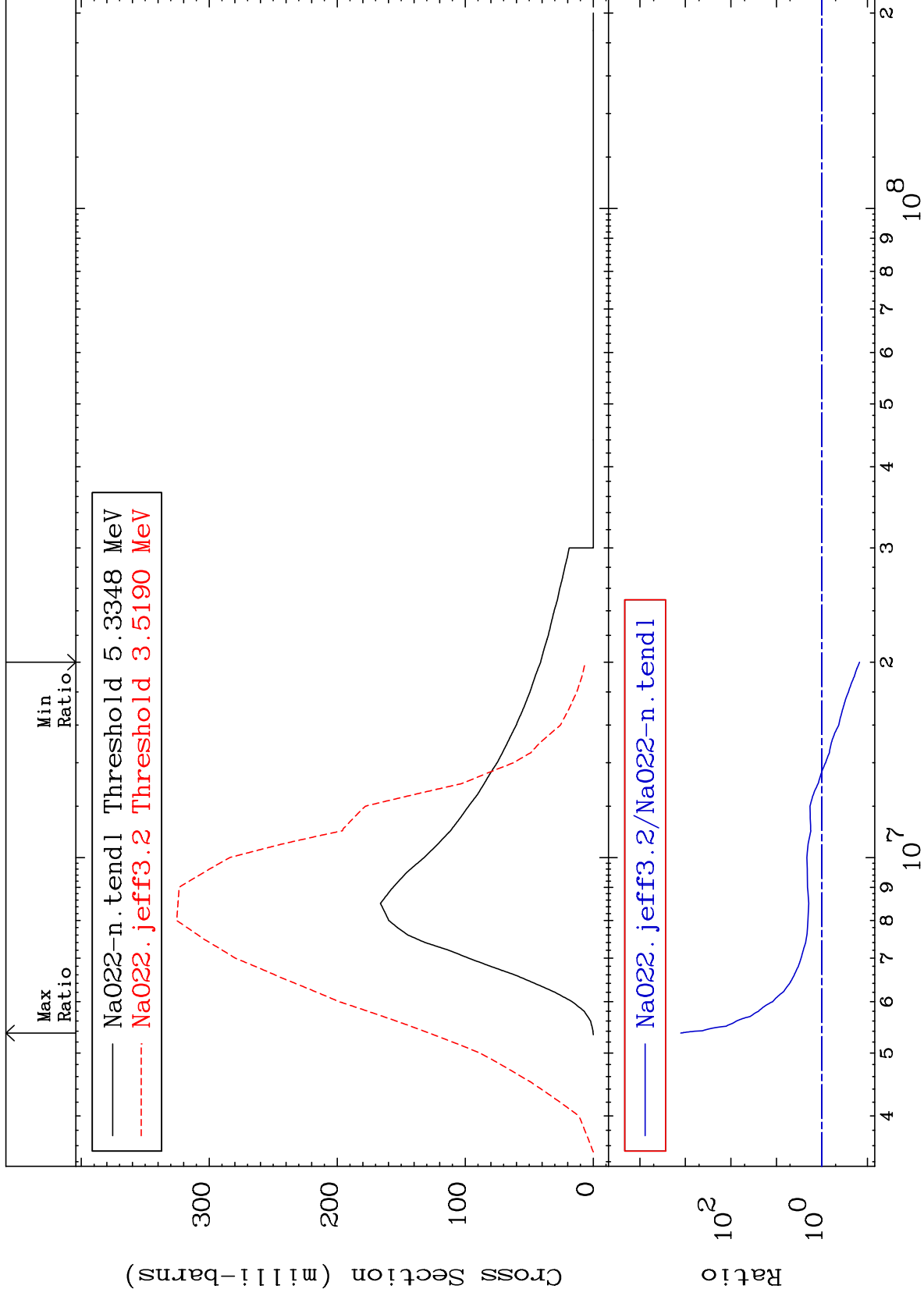
11-Na-22

11-Na-22

MAT 1122

(n, n') Continuum  
Cross Section

11-Na-22  
-85.12 To 9999. %



18

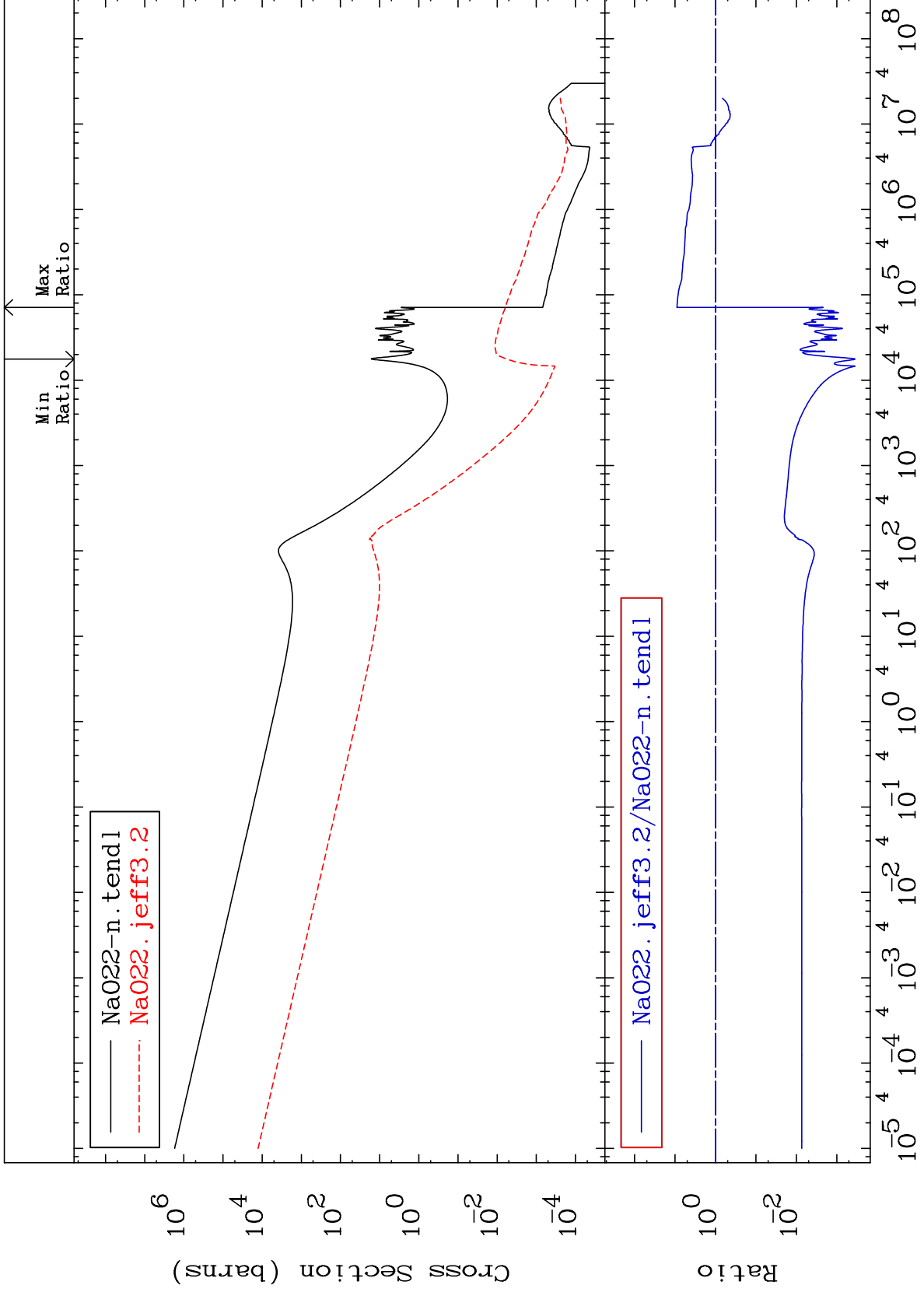
11-Na-22

11-Na-22

MAT 1122

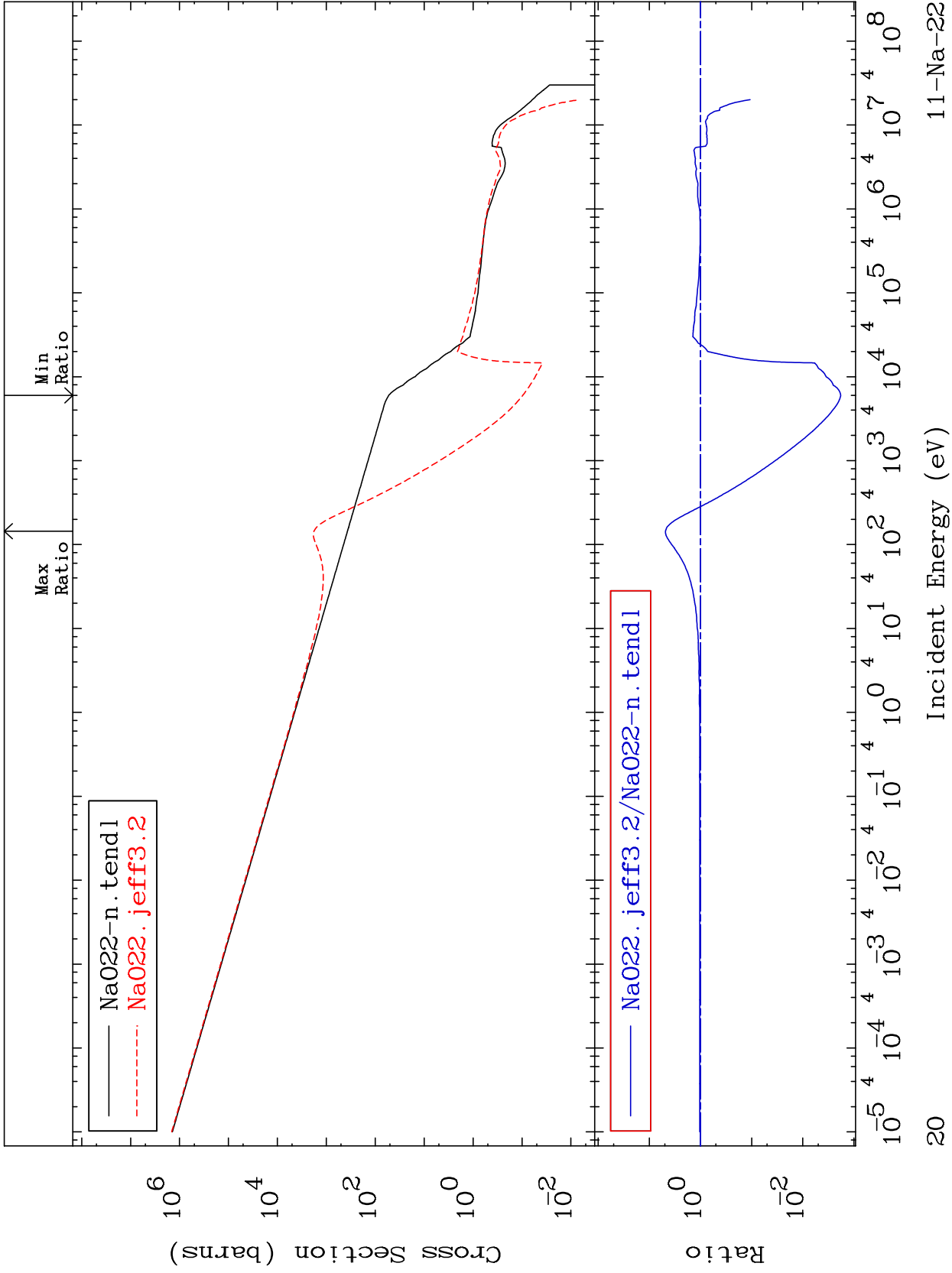
(n,  $\gamma$ )  
Cross Section

11-Na-22  
-99.96 To 799.4 %



MAT 1122

(n, p)  
Cross Section  
11-Na-22  
-99.82 To 383.4 %



20

11-Na-22

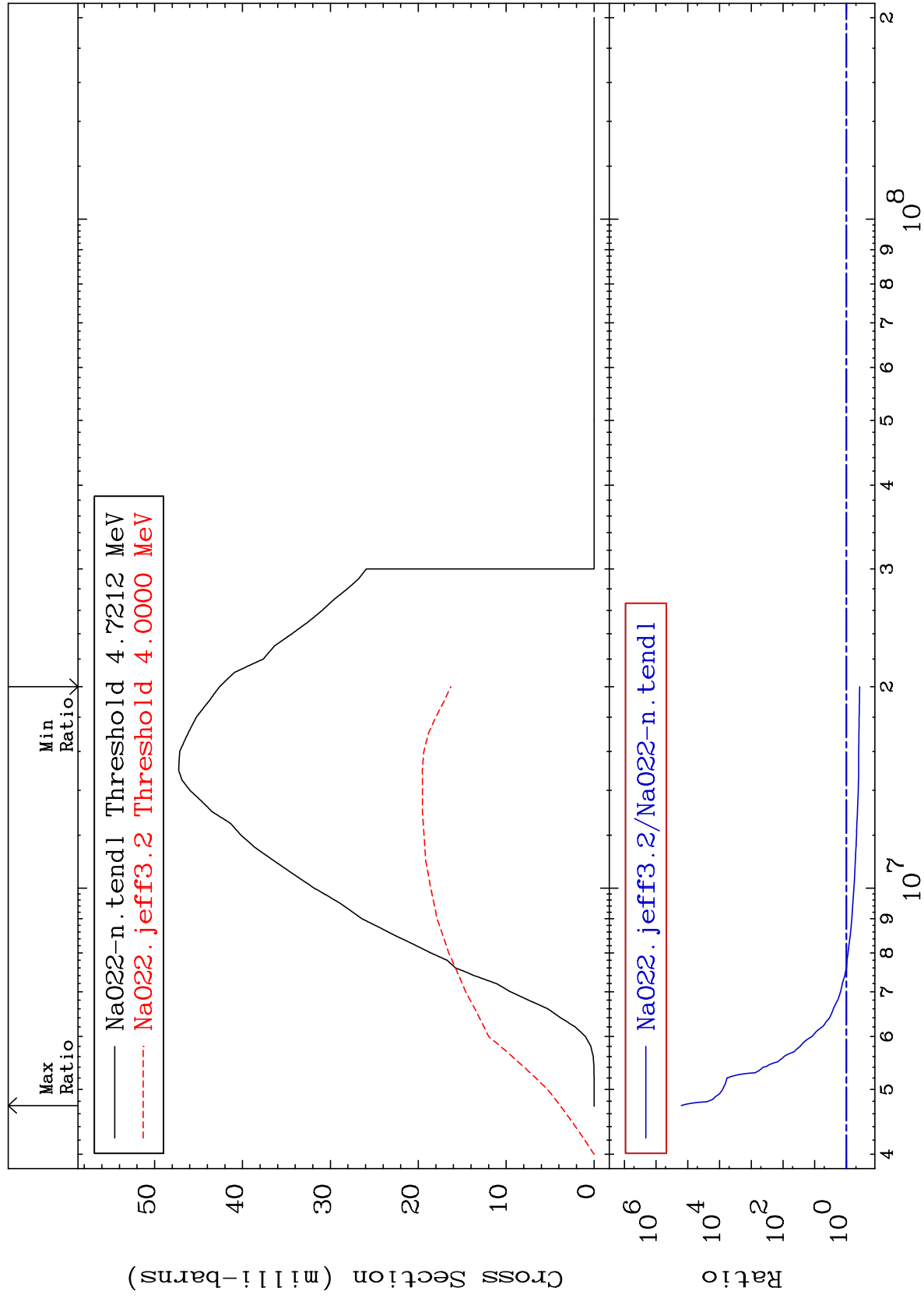
MAT 1122

(n, d)

11-Na-22

Cross Section

-61.74 To 9999. %



21

11-Na-22

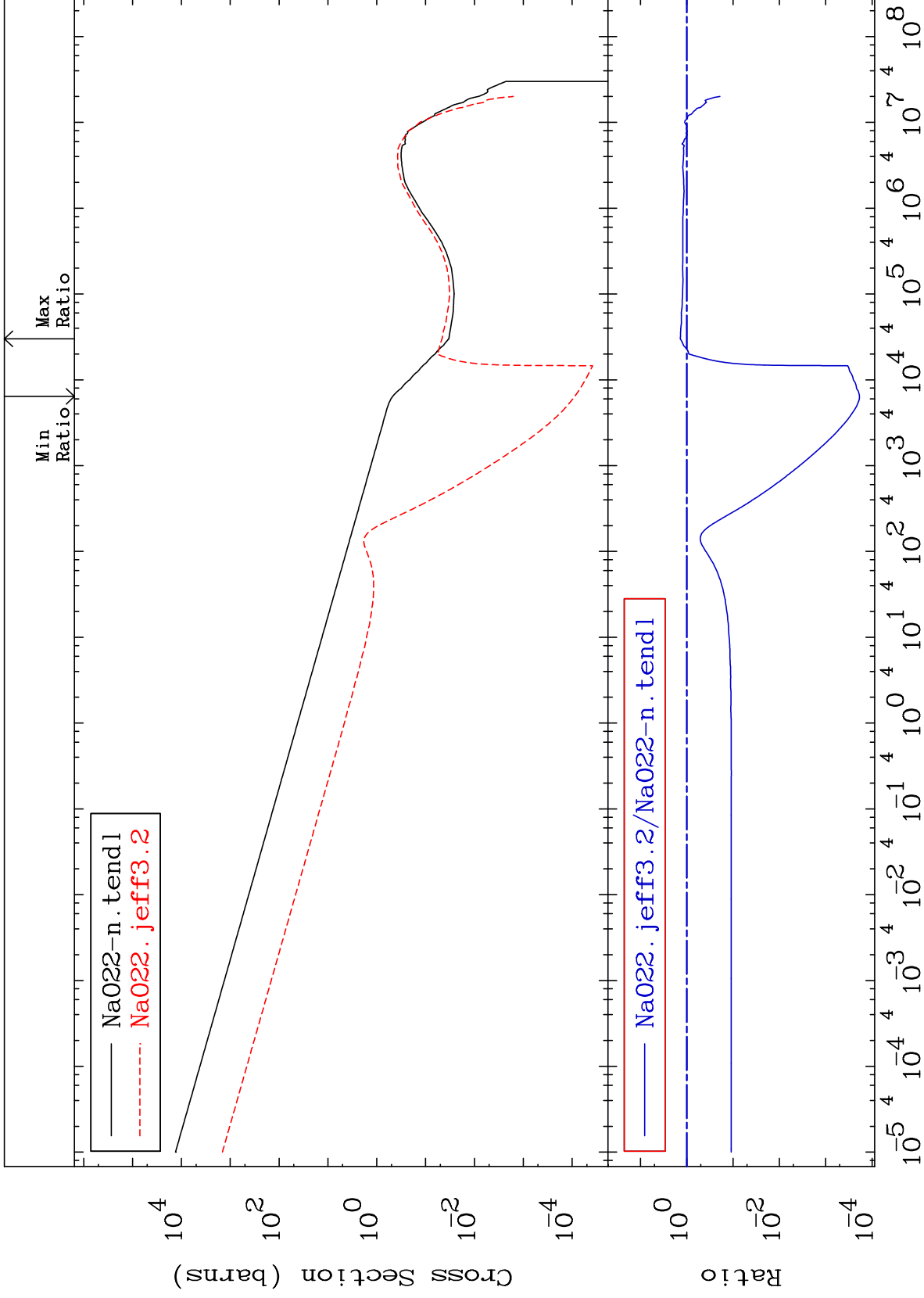
MAT 1122

(n,  $\alpha$ )

11-Na-22

Cross Section

-99.98 To 37.83 %



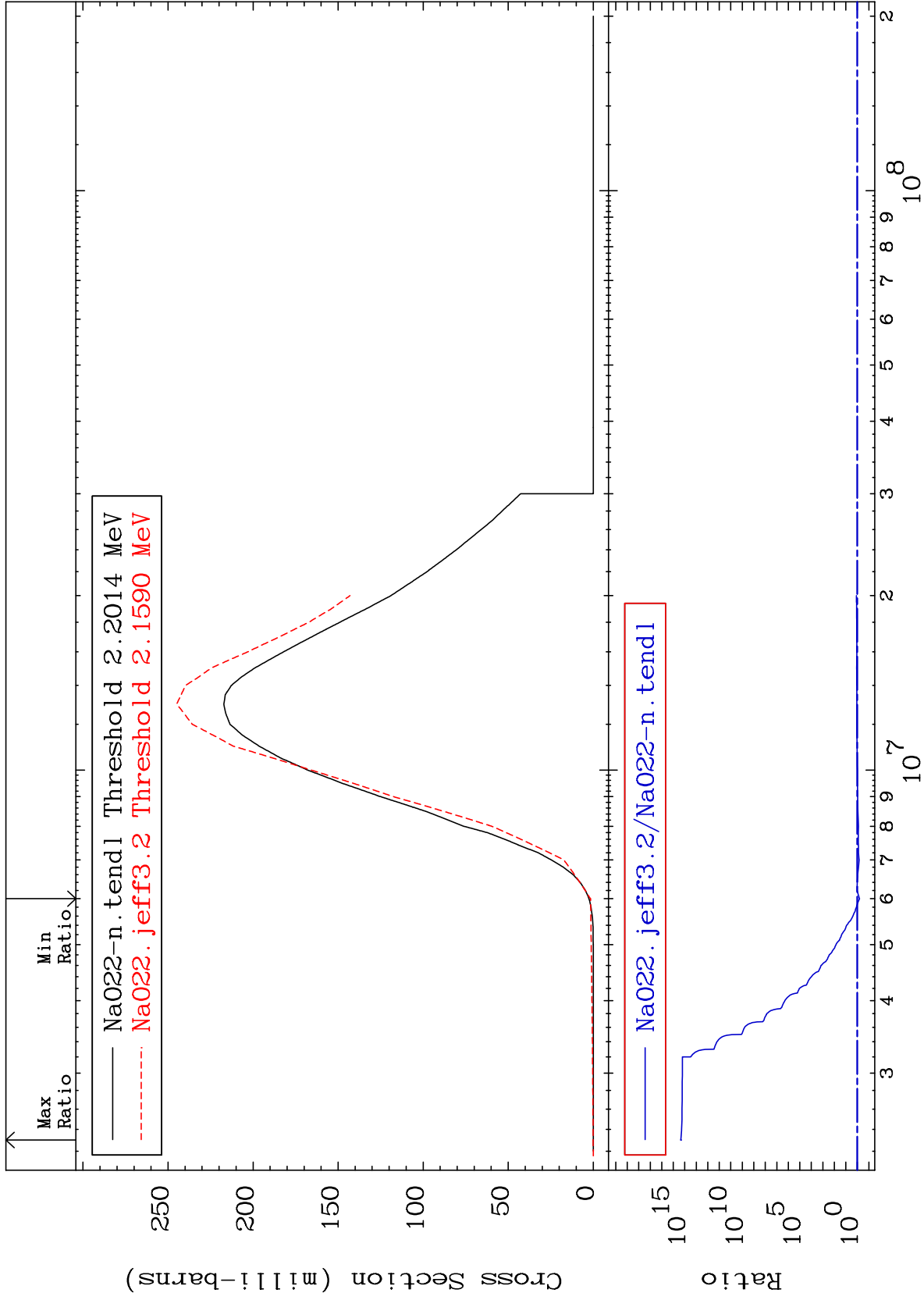
22

Incident Energy (eV)

11-Na-22

Cross Section

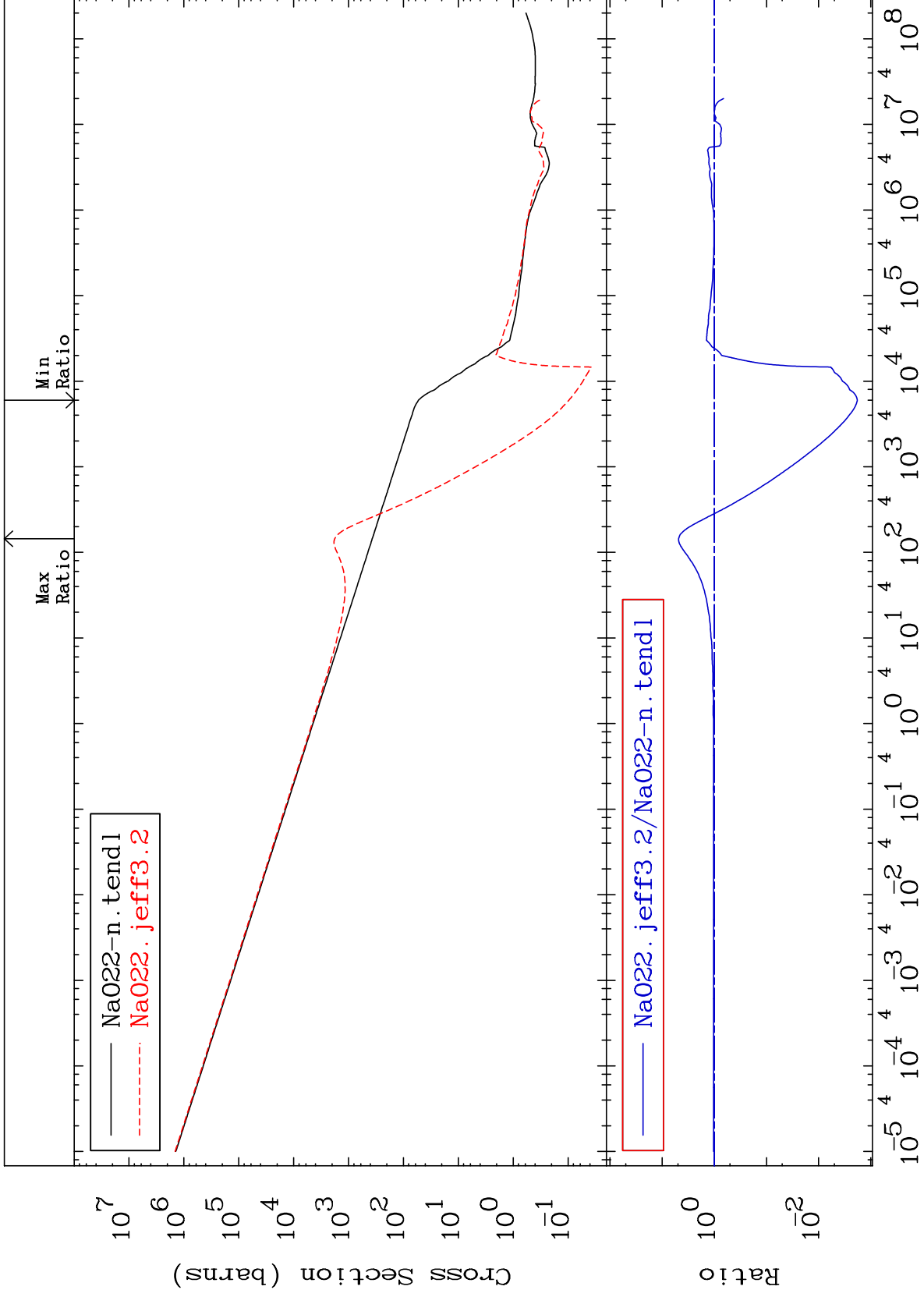
-35.78 To 9999. %



MAT 1122

Hydrogen Production  
Cross Section

11-Na-22  
-99.82 To 383.4 %

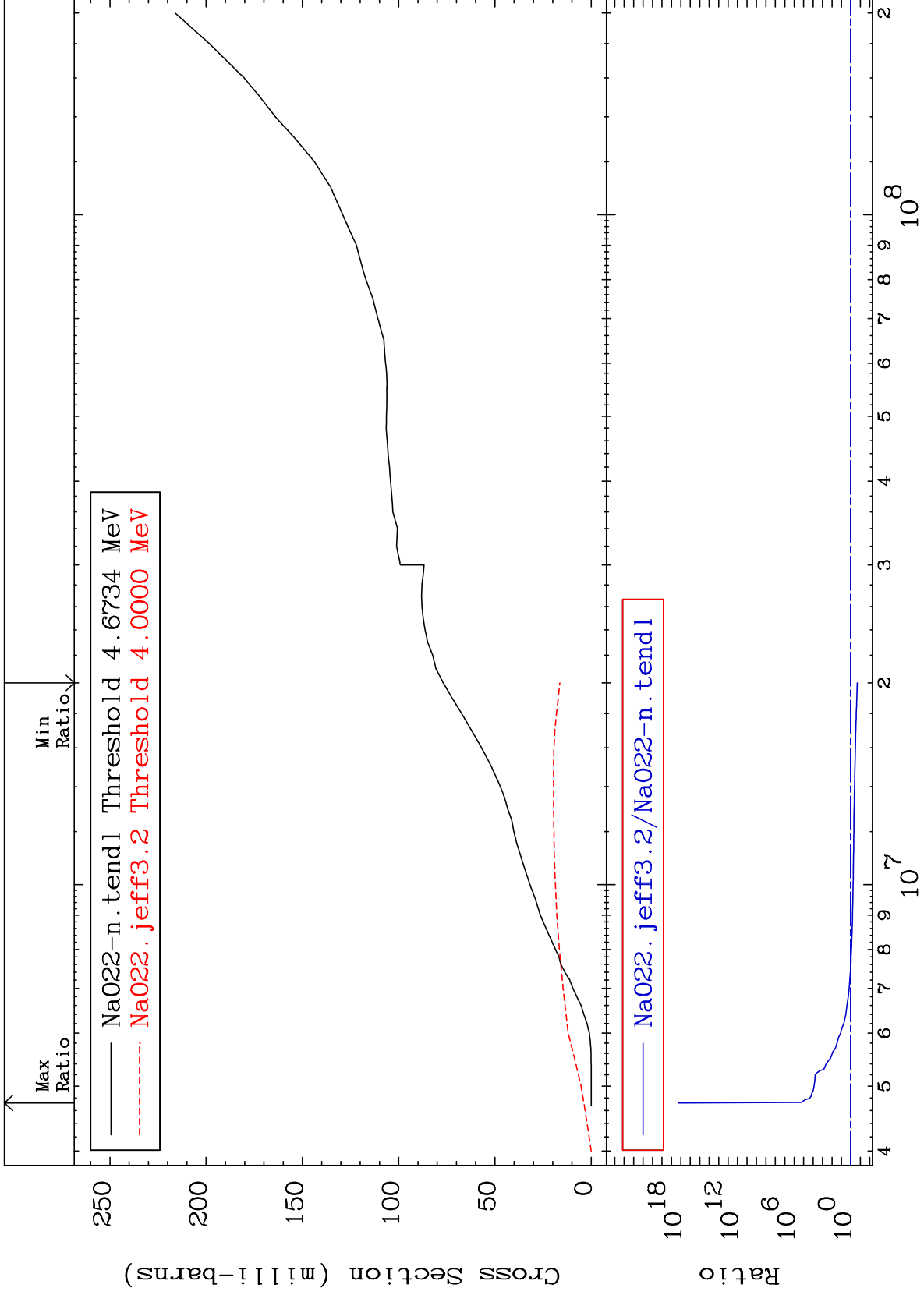




MAT 1122

Deuterium Production  
Cross Section

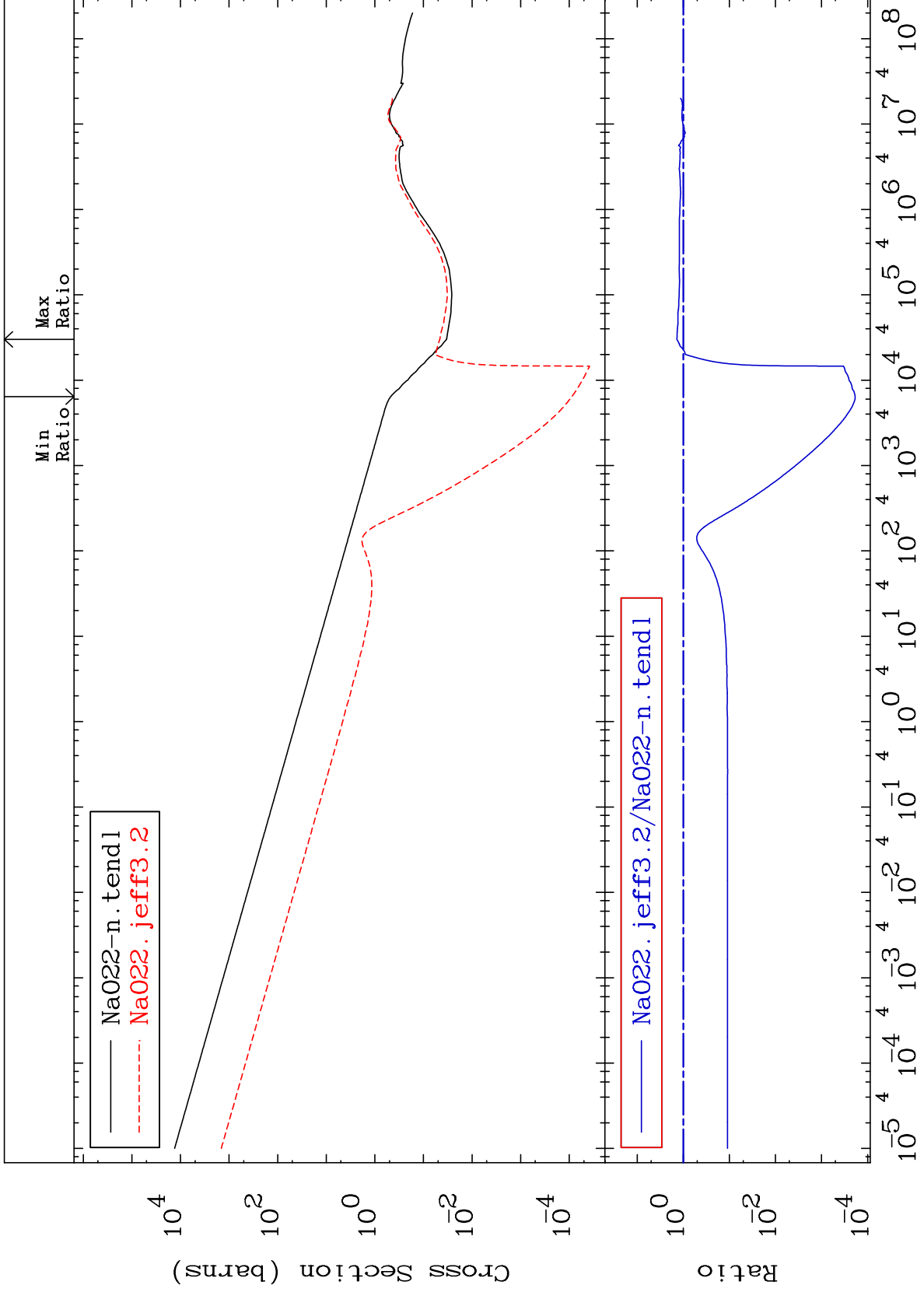
11-Na-22  
-78.79 To 9999. %



MAT 1122

He-4 Production  
Cross Section

11-Na-22  
-99.98 To 37.83 %



26

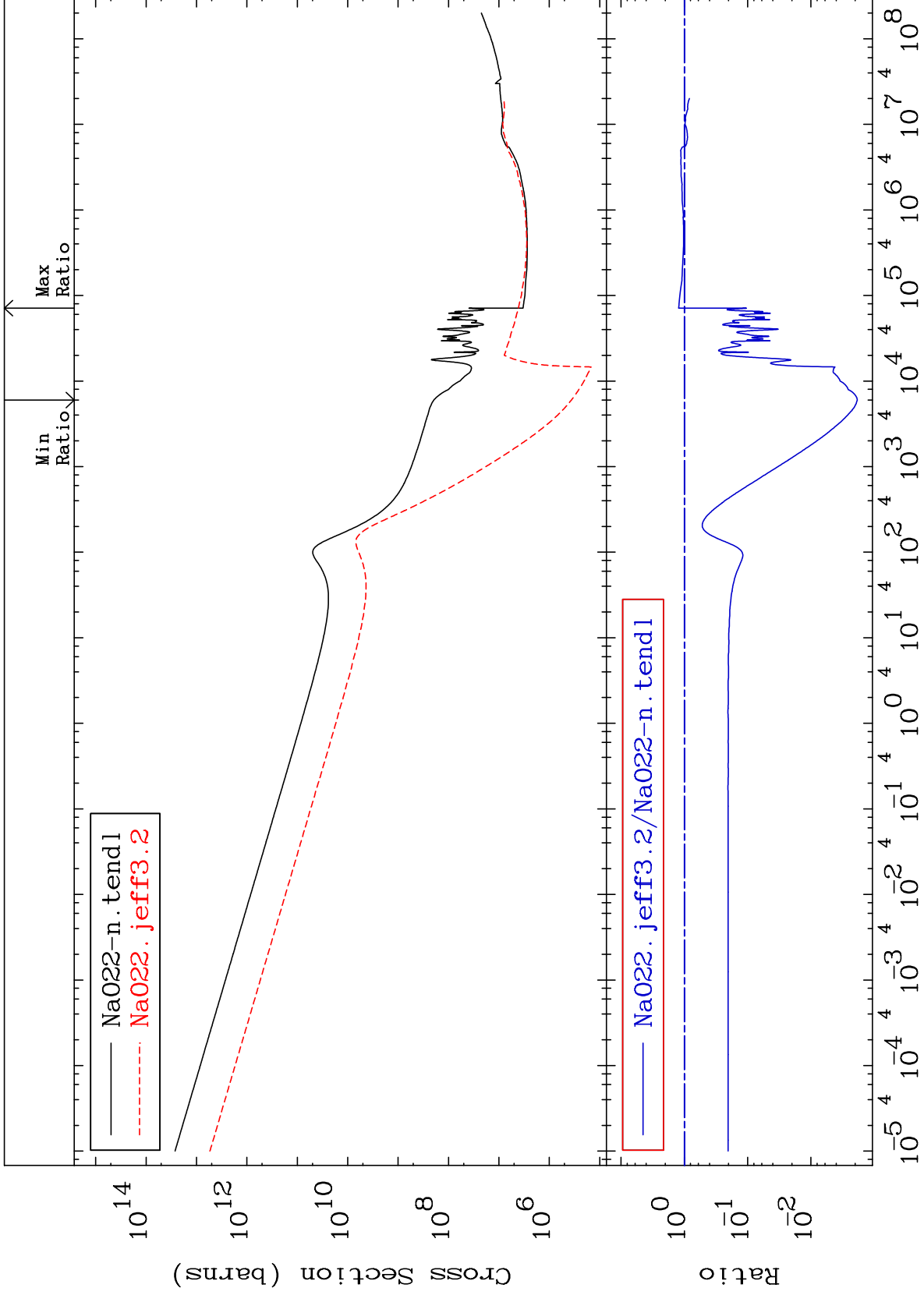
Incident Energy (eV)

11-Na-22

MAT 1122

Kerma total (eV-barns)  
Cross Section

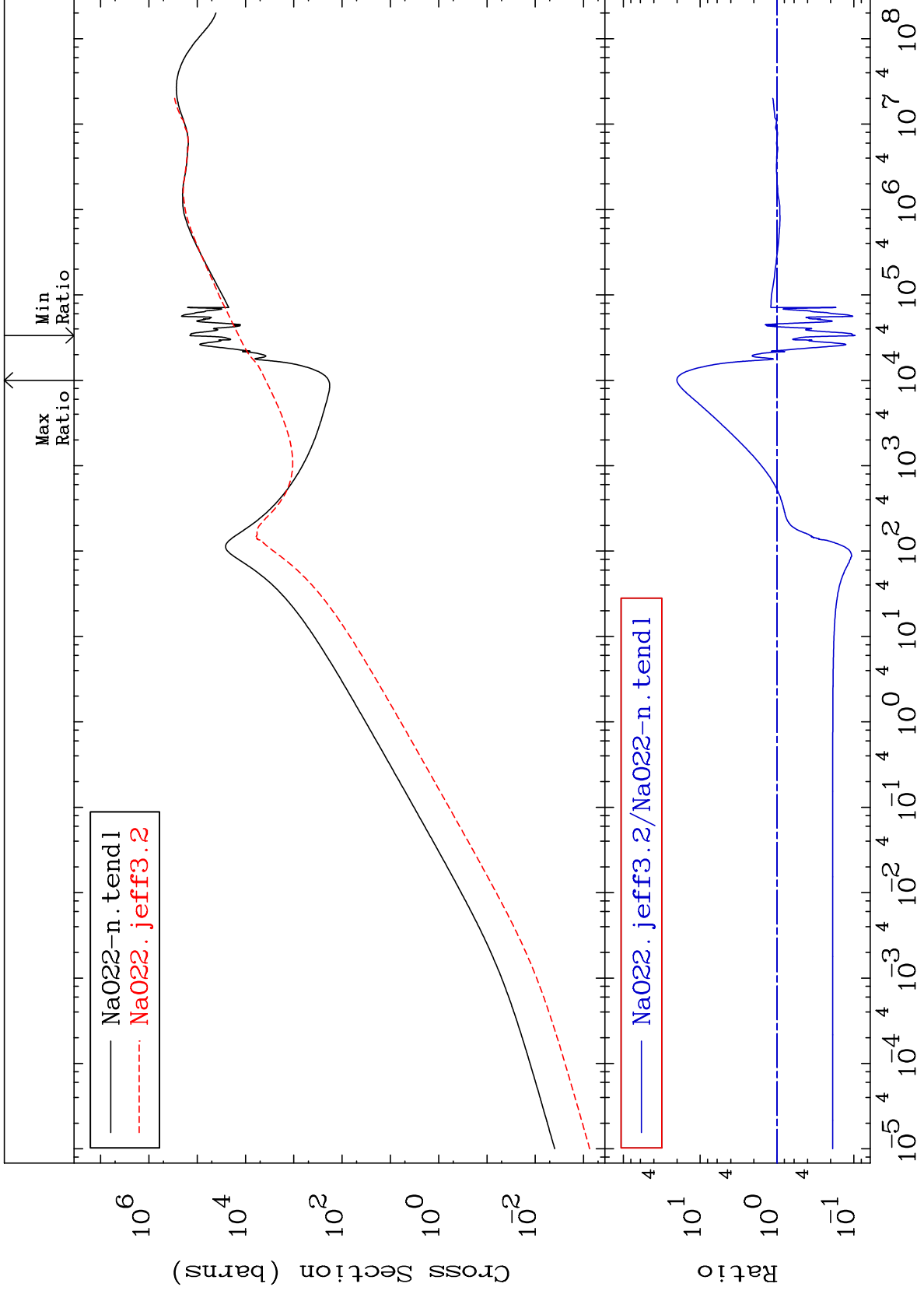
11-Na-22  
-99.81 To 23.12 %



MAT 1122

Kerma elastic  
Cross Section

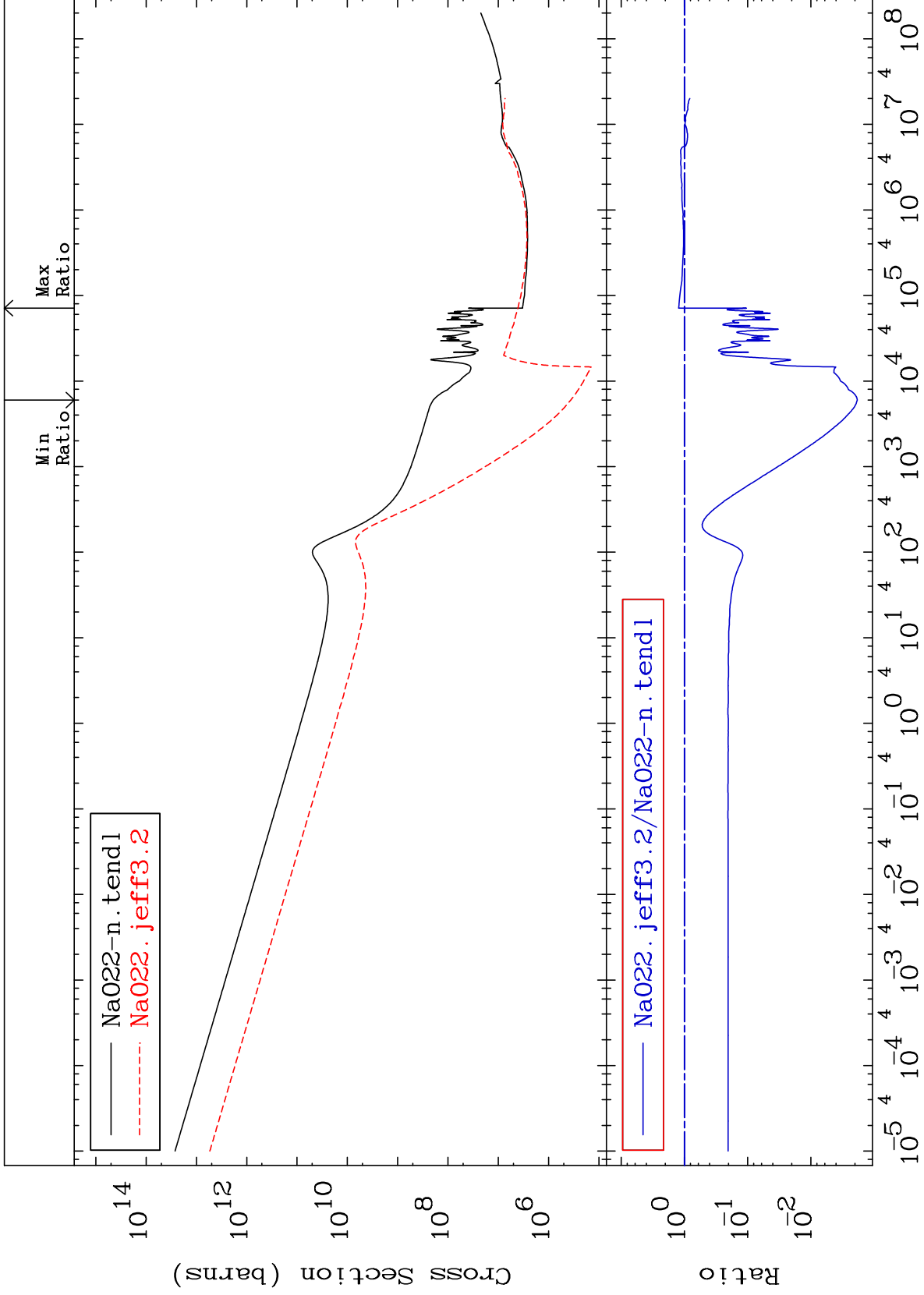
11-Na-22  
-90.38 To 1907. %



28

Incident Energy (eV)

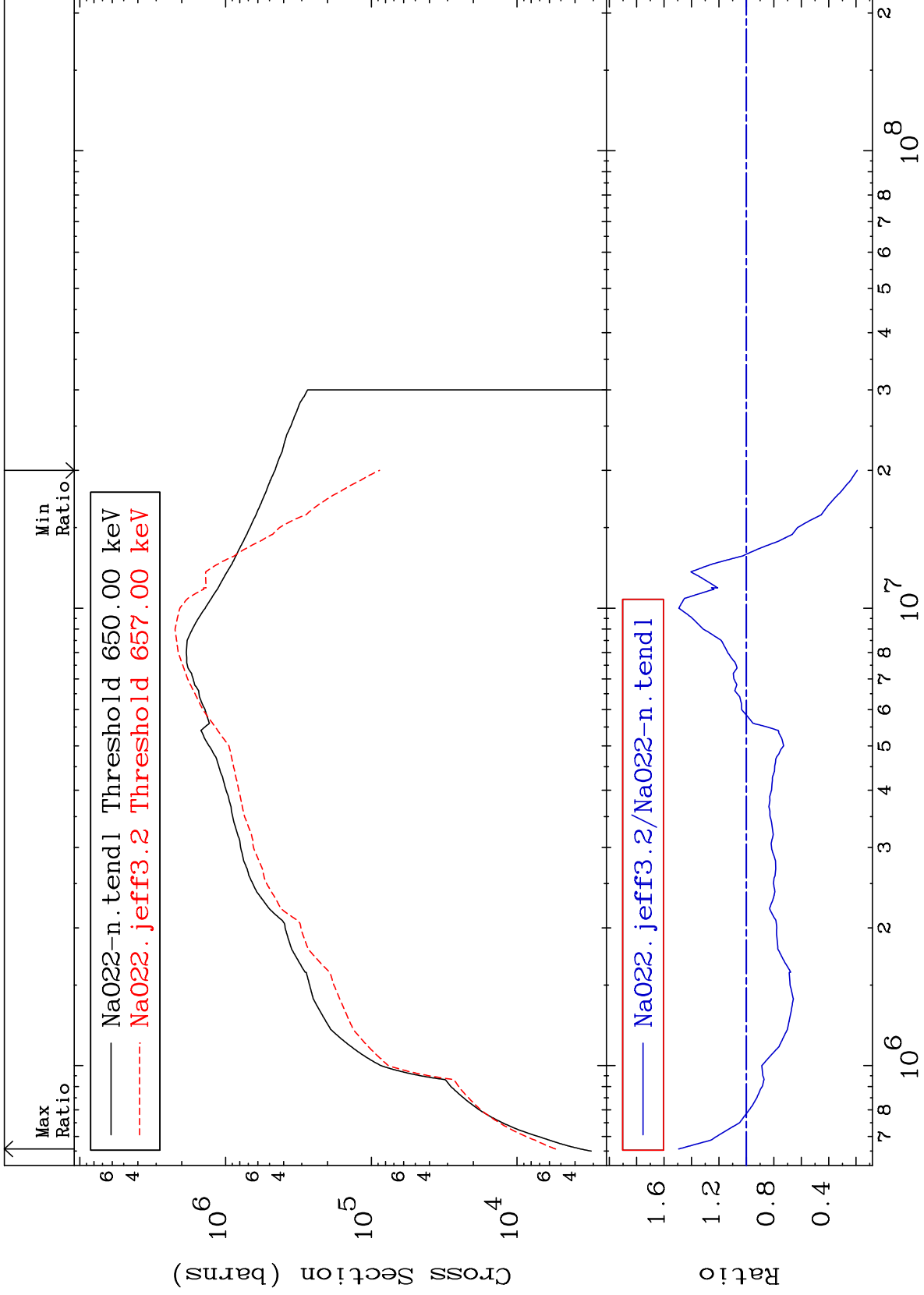
11-Na-22



MAT 1122

Kerma inelastic (mt51-91)  
Cross Section

11-Na-22  
-80.85 To 49.40 %



30

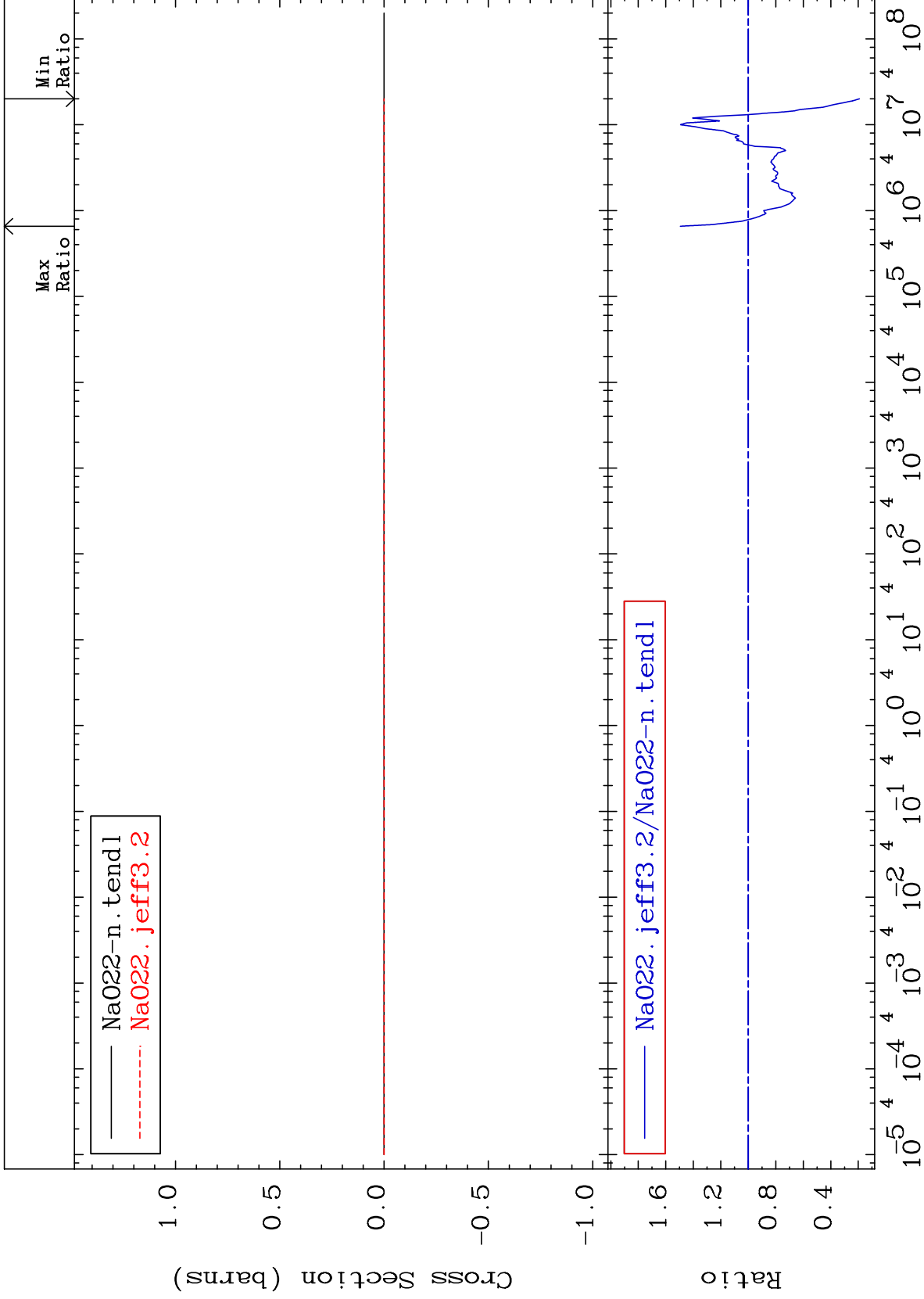
Incident Energy (eV)

11-Na-22

MAT 1122

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

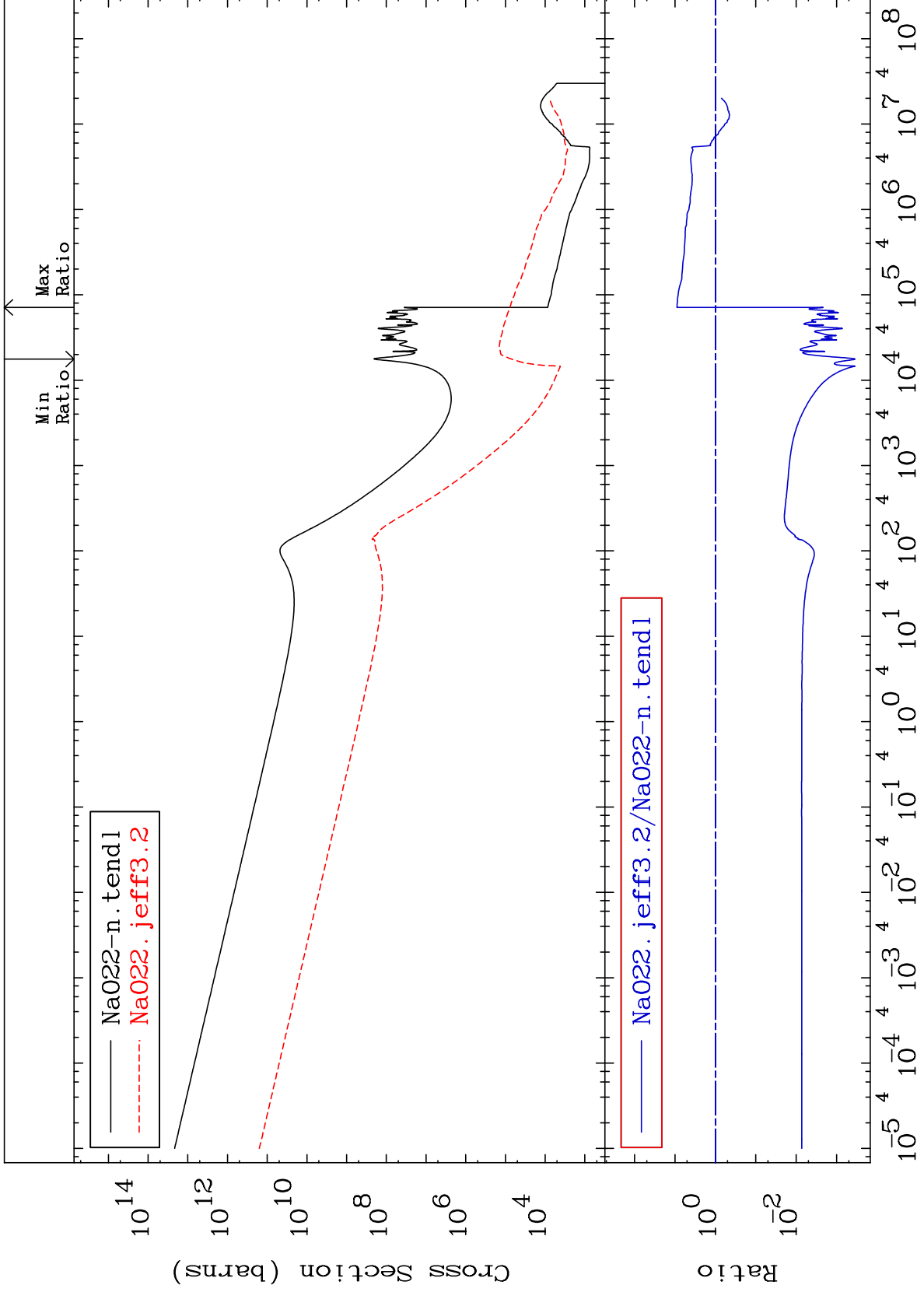
11-Na-22  
-80.85 To 49.40 %



MAT 1122

Kerma capture (mt102)  
Cross Section

11-Na-22  
-99.96 To 793.9 %

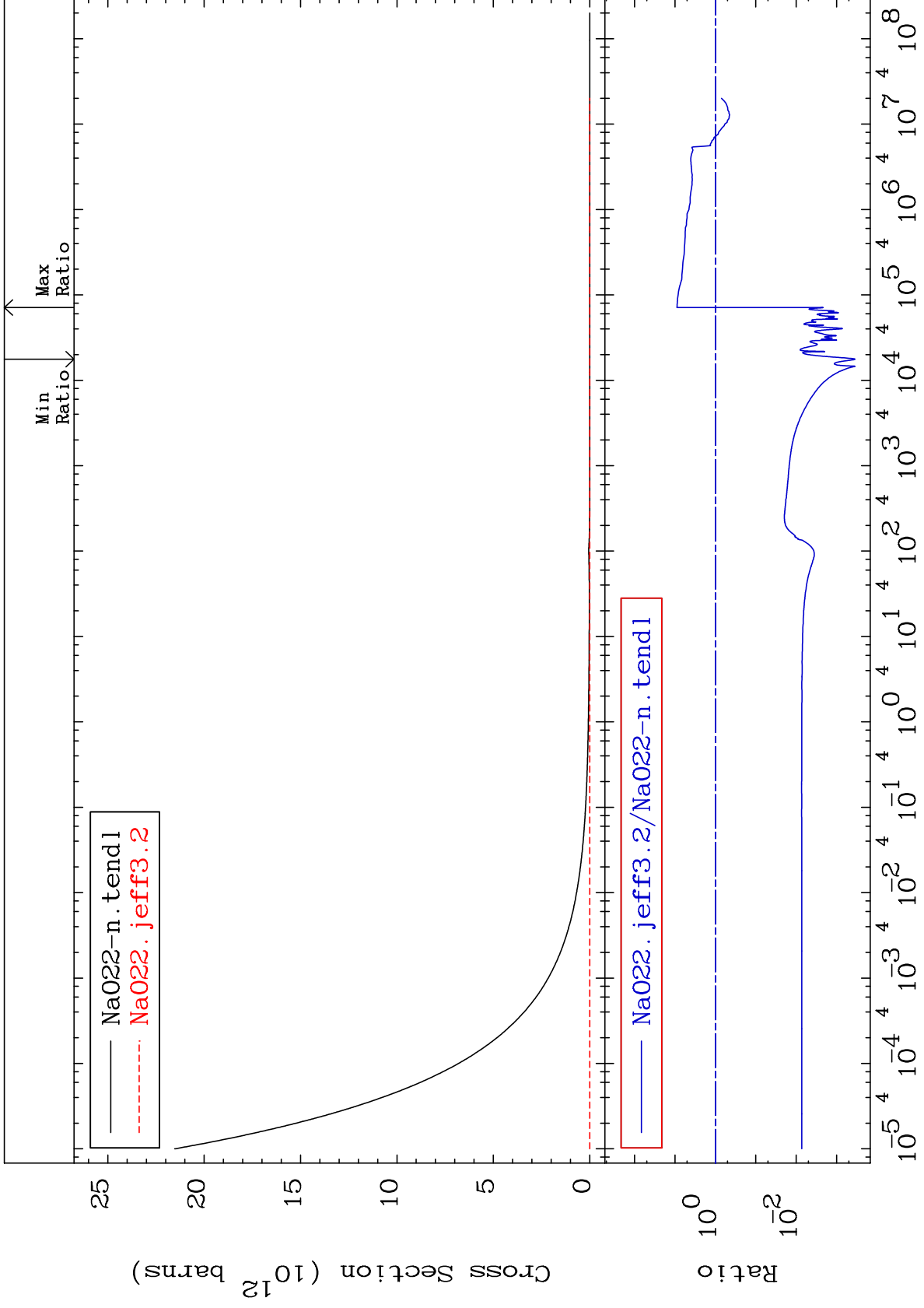




MAT 1122

Total photon (eV-barns)  
Cross Section

11-Na-22  
-99.96 To 793.9 %



33

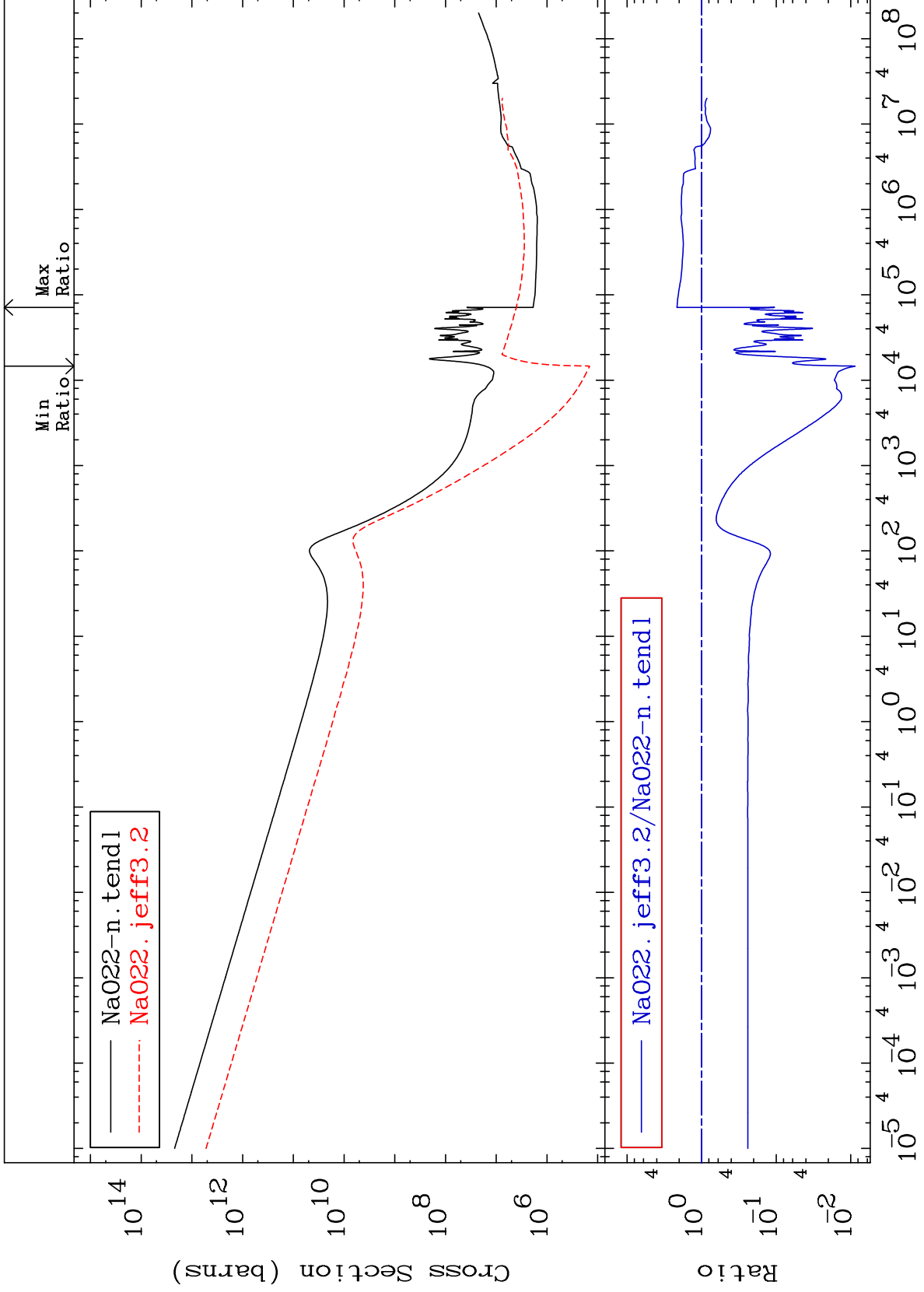
Incident Energy (eV)

11-Na-22

MAT 1122

Total kinematic kerma (high limit)  
Cross Section

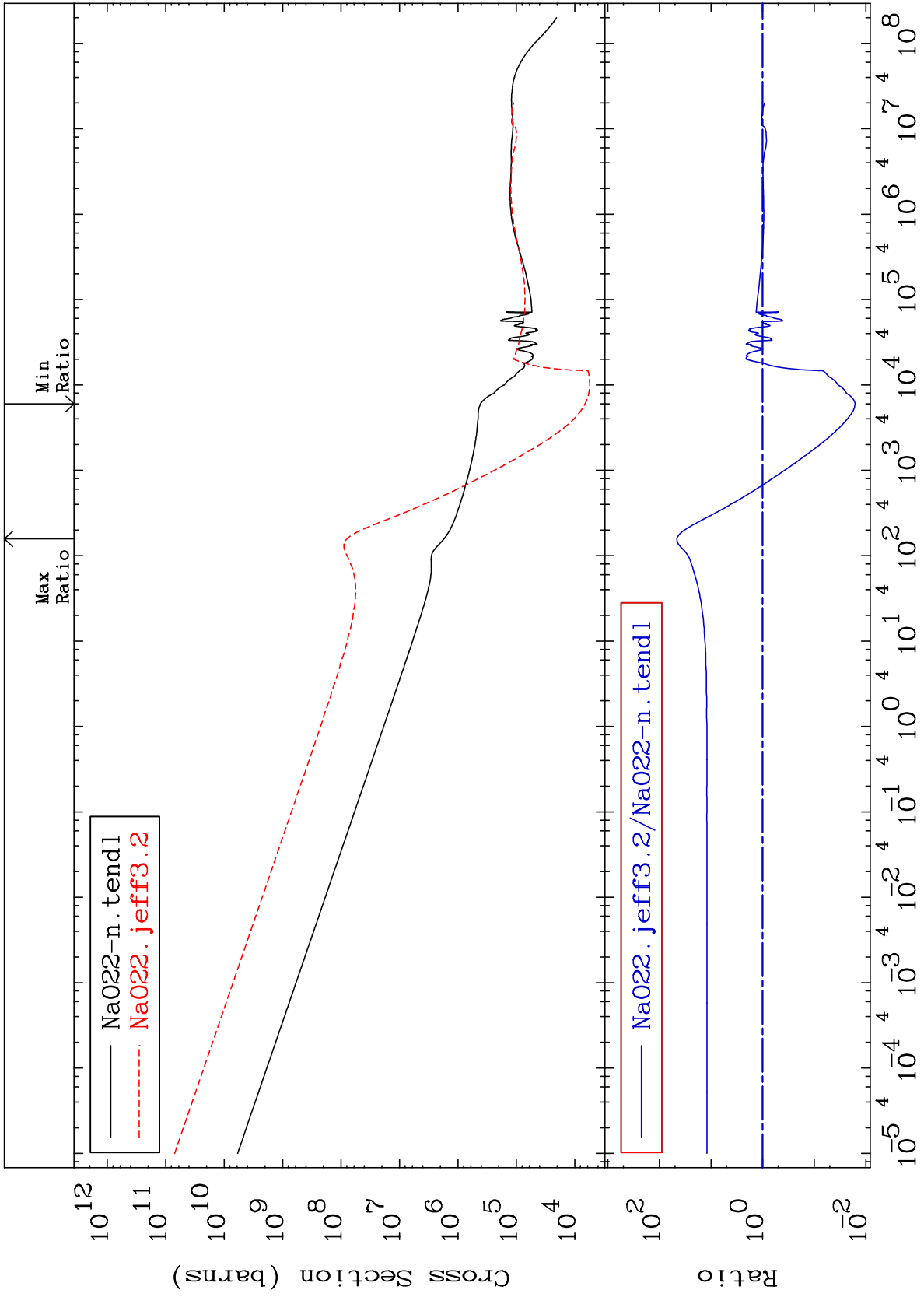
11-Na-22  
-99.13 To 114.3 %

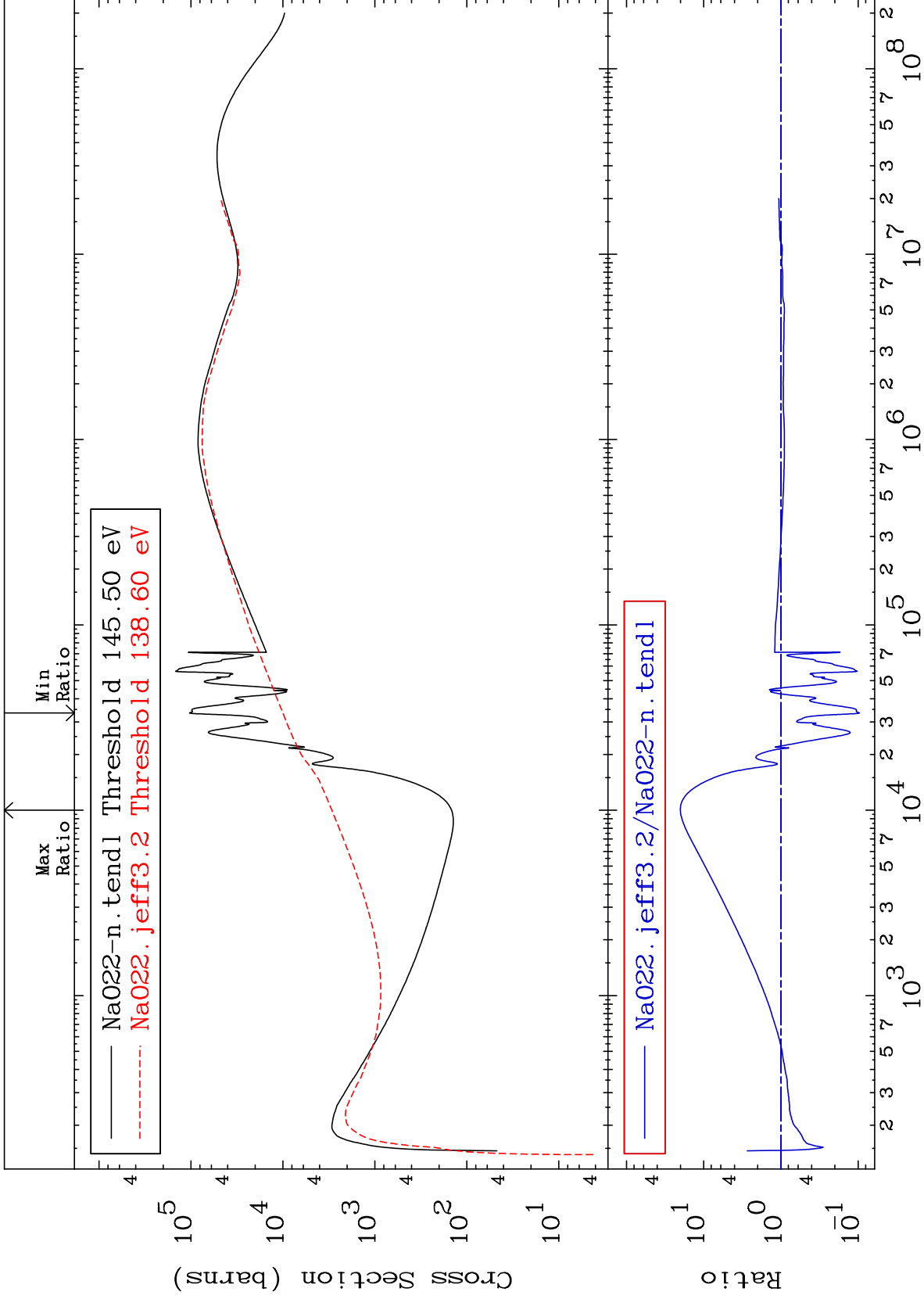


MAT 1122

Dpa total (eV-barns)  
Cross Section

11-Na-22  
-98.39 To 4478. %

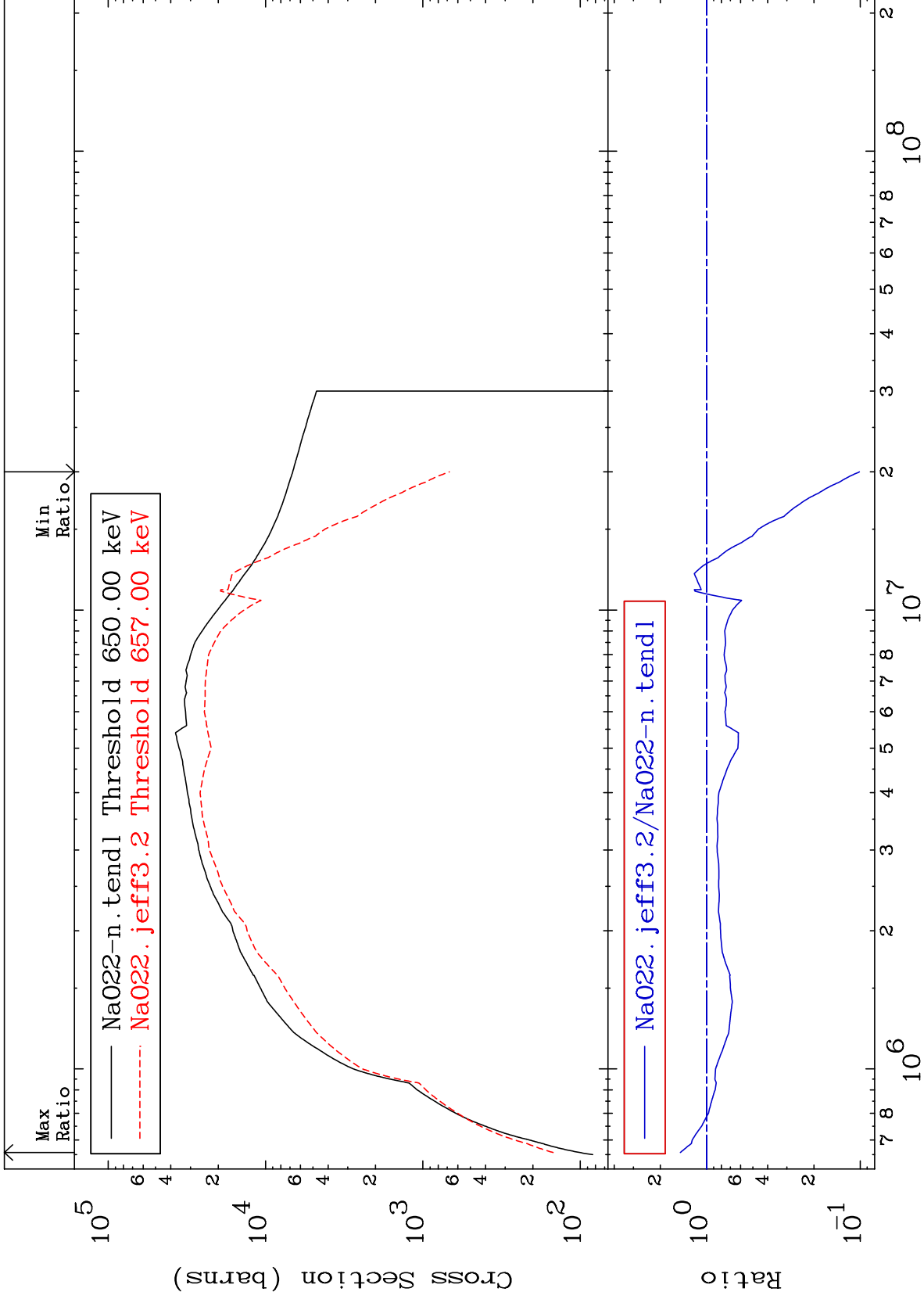




MAT 1122

Dpa inelastic (mt51-91)  
Cross Section

11-Na-22  
-89.89 To 48.19 %



MAT 1122

Dpa disappearance (mt102 -120)  
Cross Section

11-Na-22  
-98.87 To 4482. %

