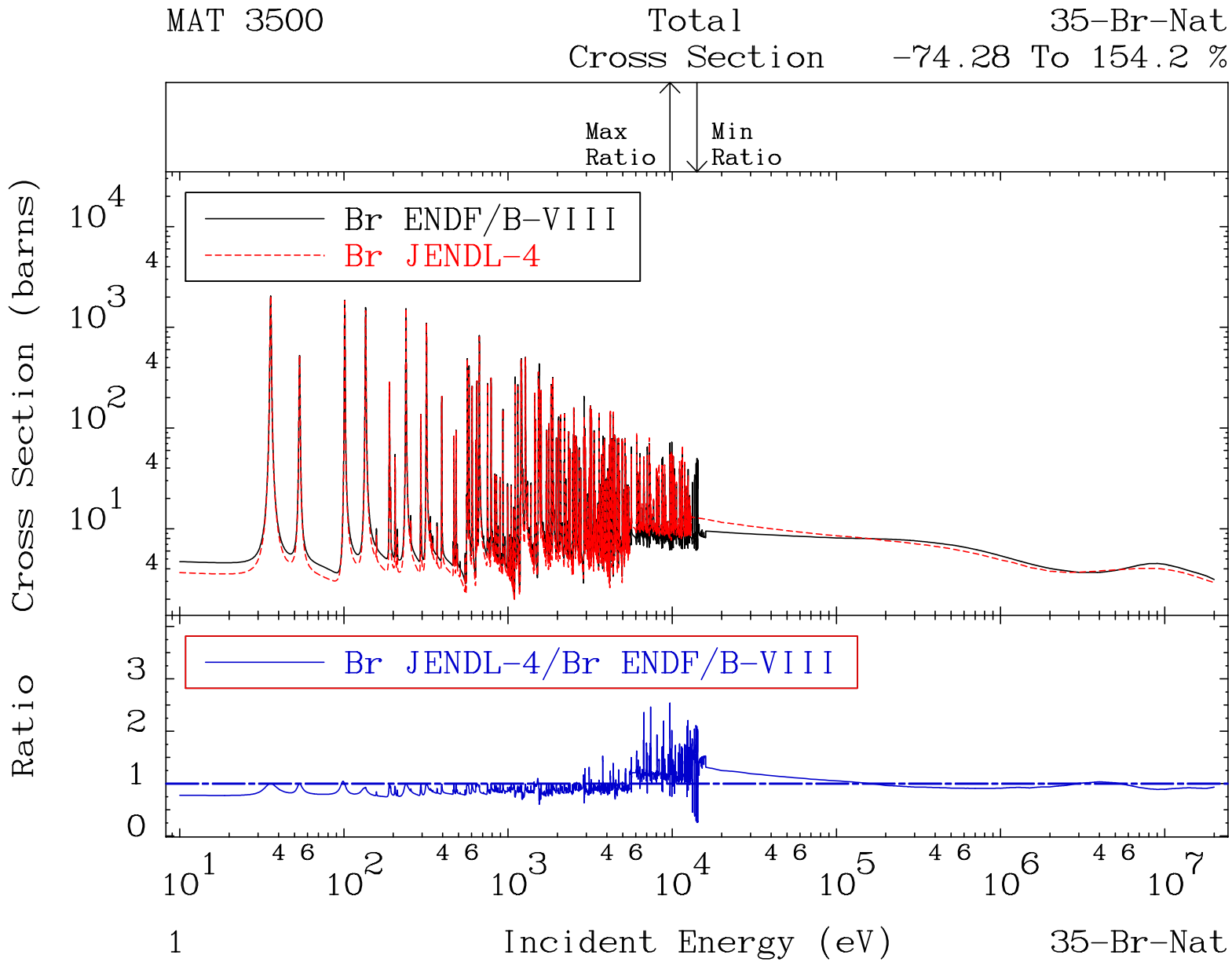
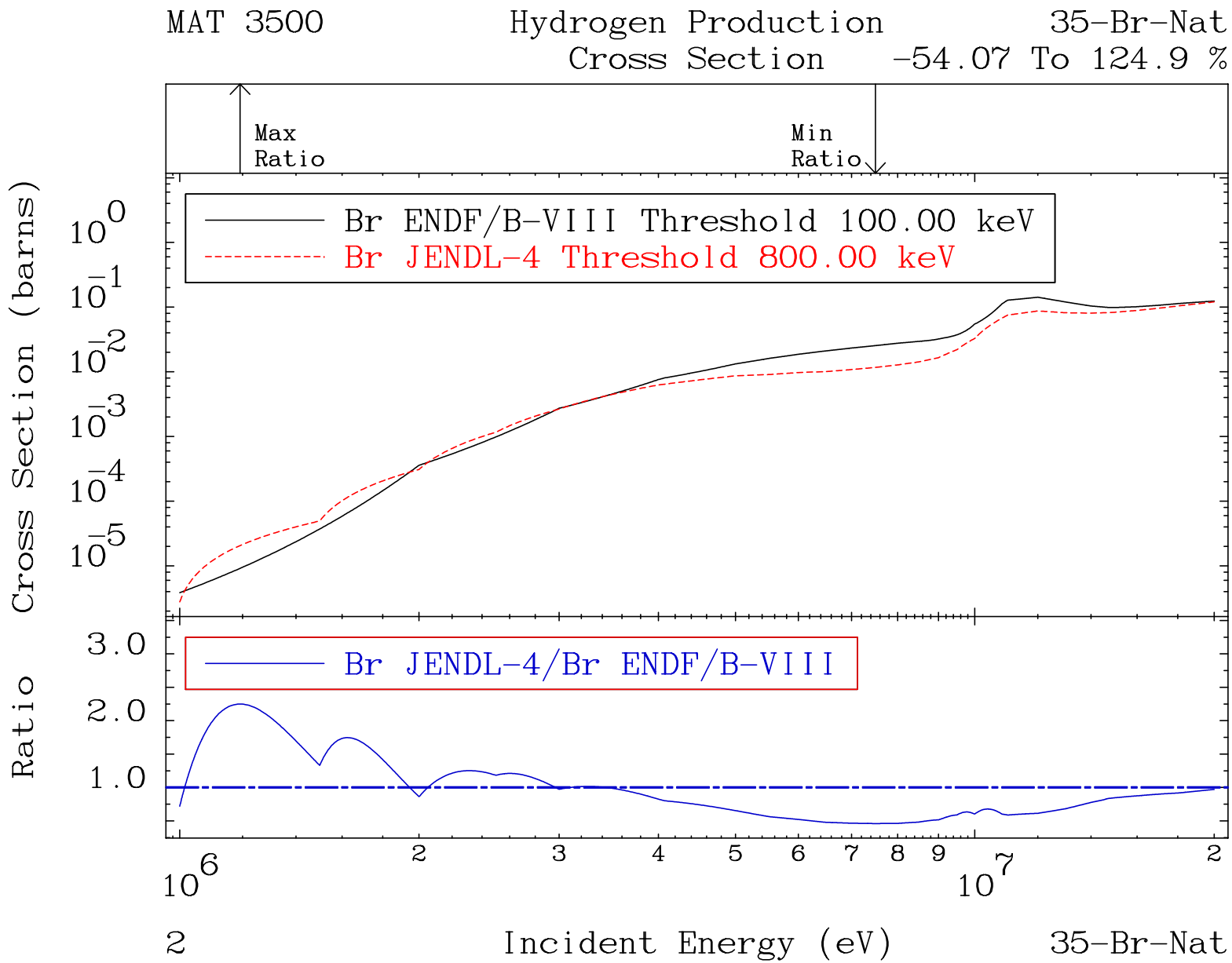
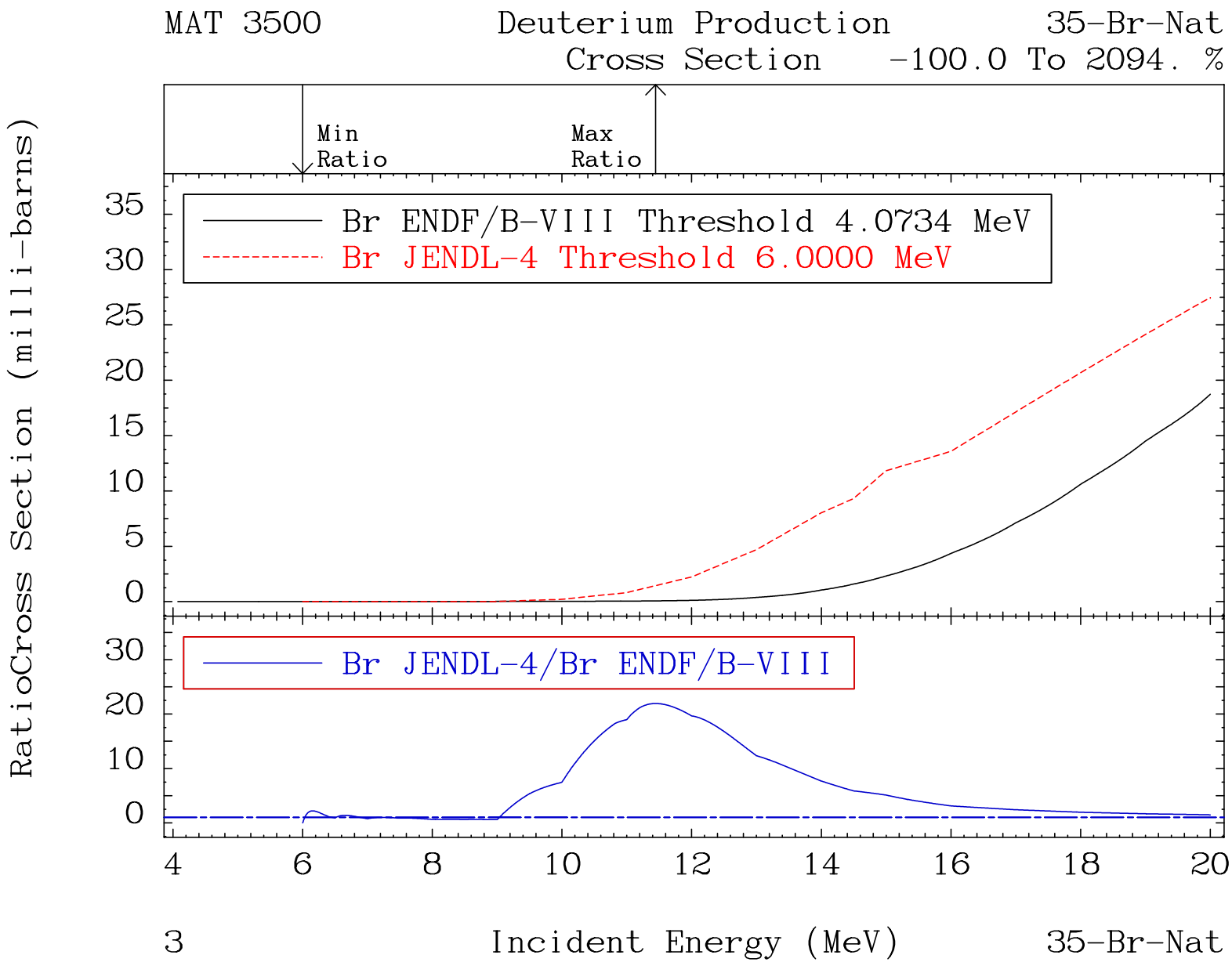
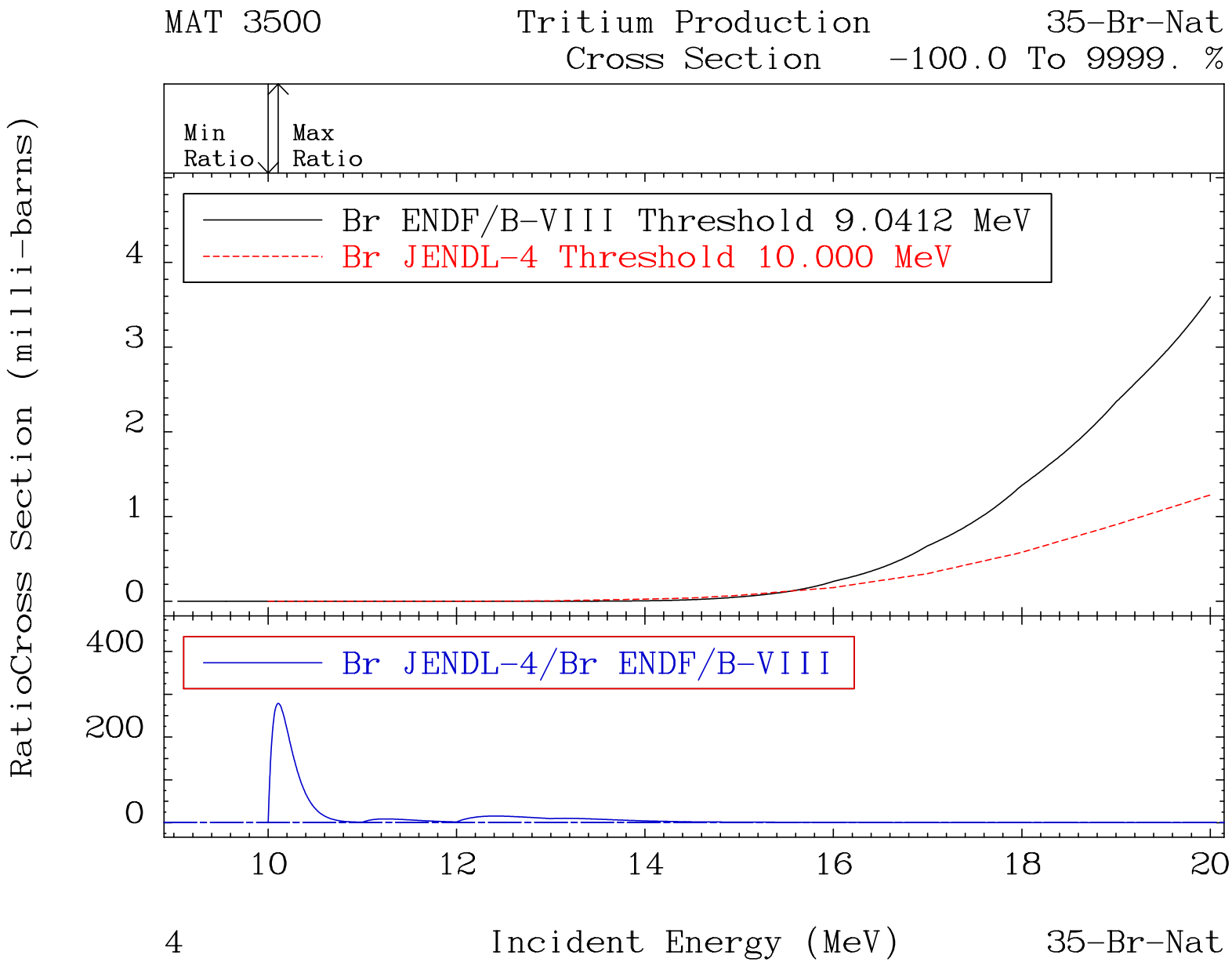
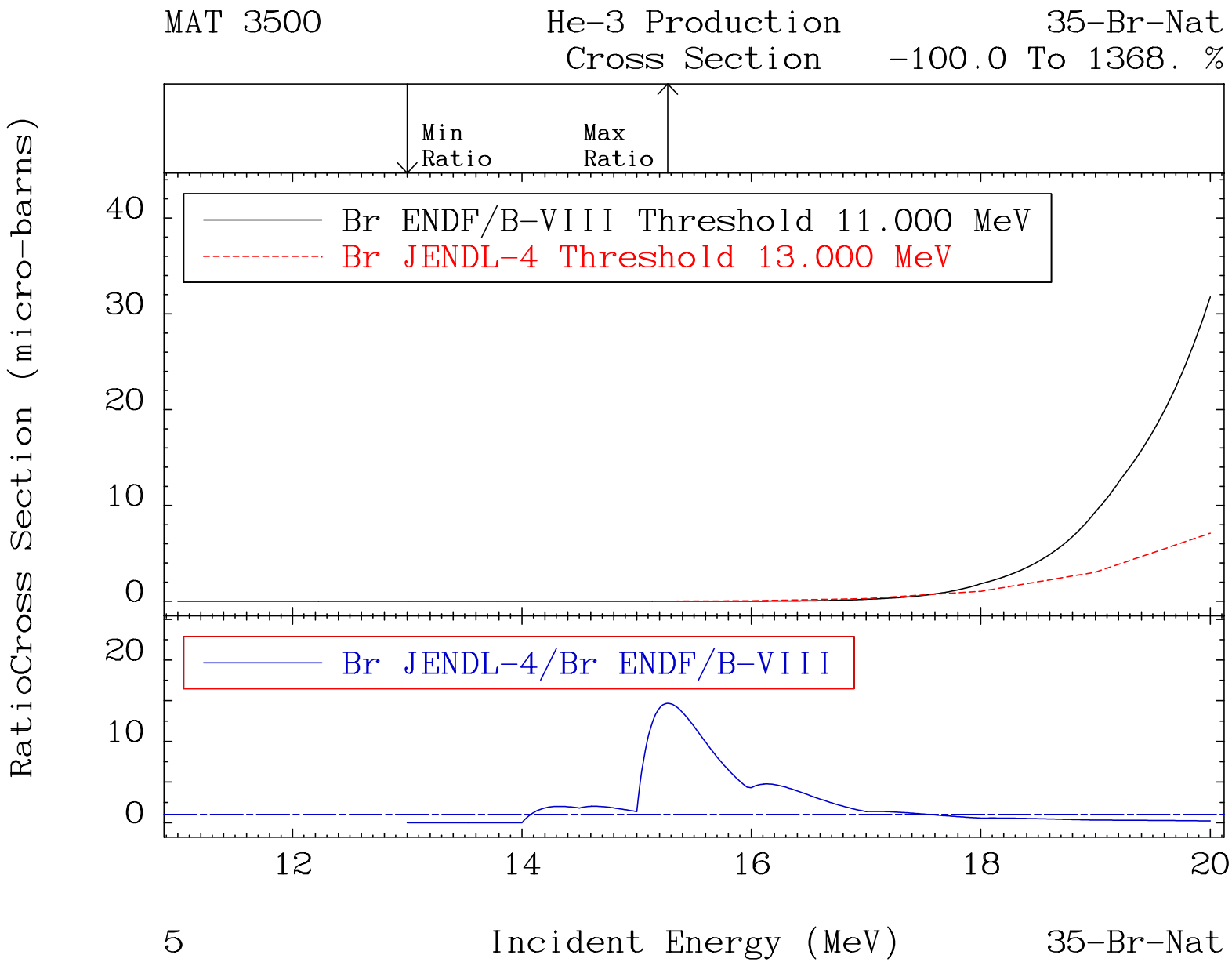
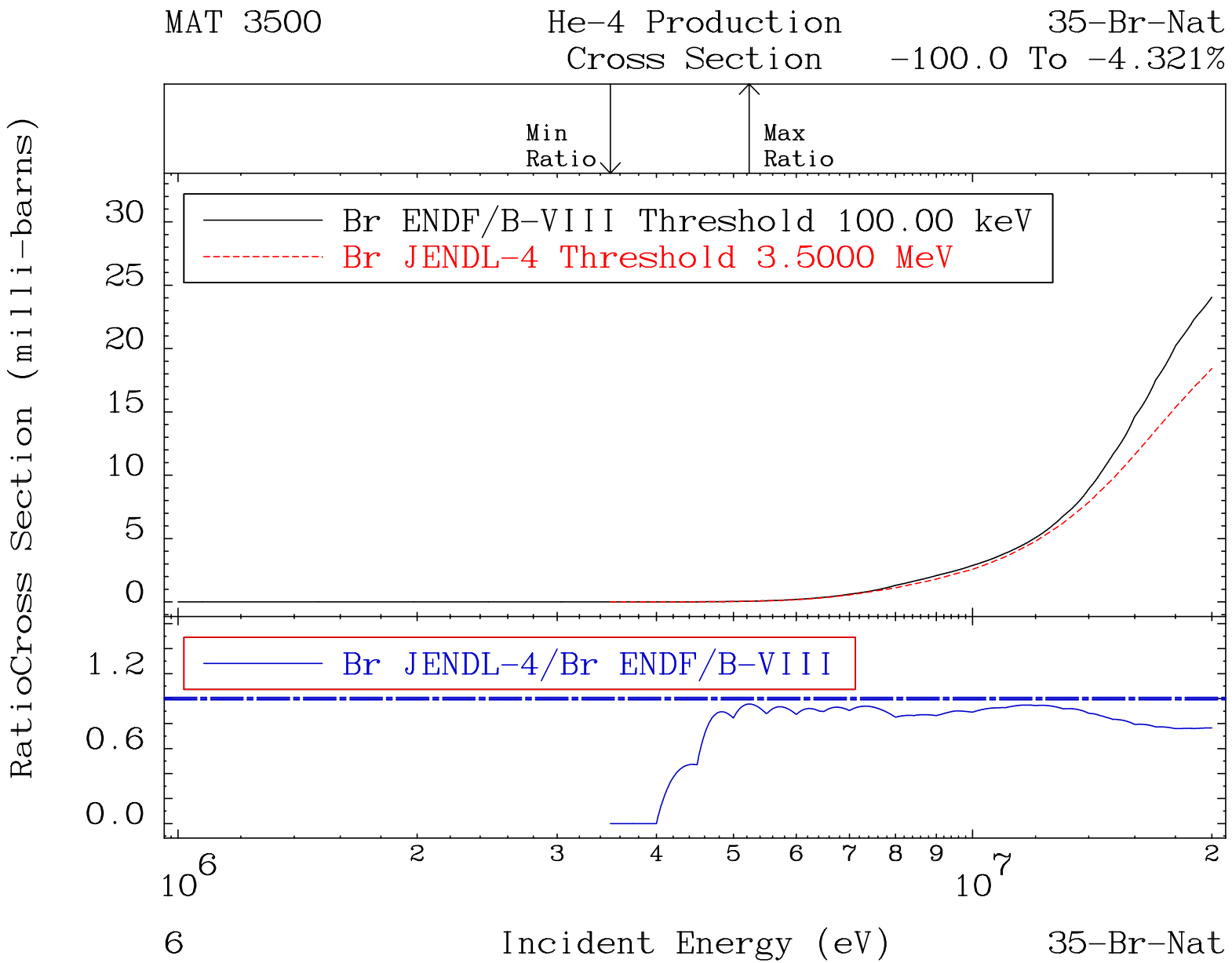

MAT 3500
Total
Cross Section
35-Br-Nat
-74.28 To 154.2 %
Max
Ratio
Min
Ratio
Br ENDF/B-VIII
Br JENDL-4
Cross Section (barns)
Br JENDL-4/Br ENDF/B-VIII
Ratio
Incident Energy (eV)
35-Br-Nat

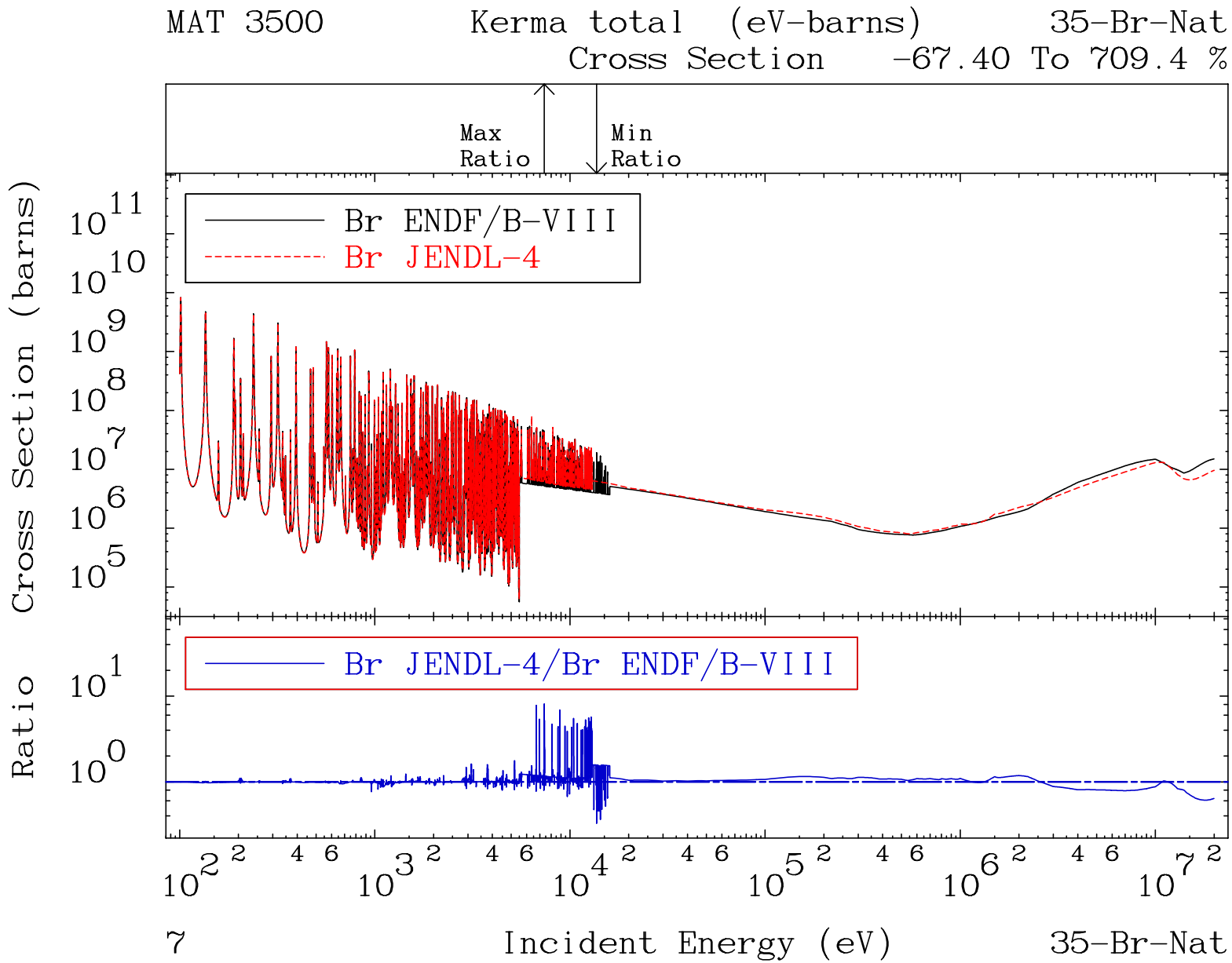

MAT 3500
Hydrogen Production
Cross Section
35-Br-Nat
-54.07 To 124.9 %
Max Ratio
Min Ratio
Br ENDF/B-VIII Threshold 100.00 keV
Br JENDL-4 Threshold 800.00 keV
Cross Section (barns)
Br JENDL-4/Br ENDF/B-VIII
Ratio
Incident Energy (eV)
35-Br-Nat

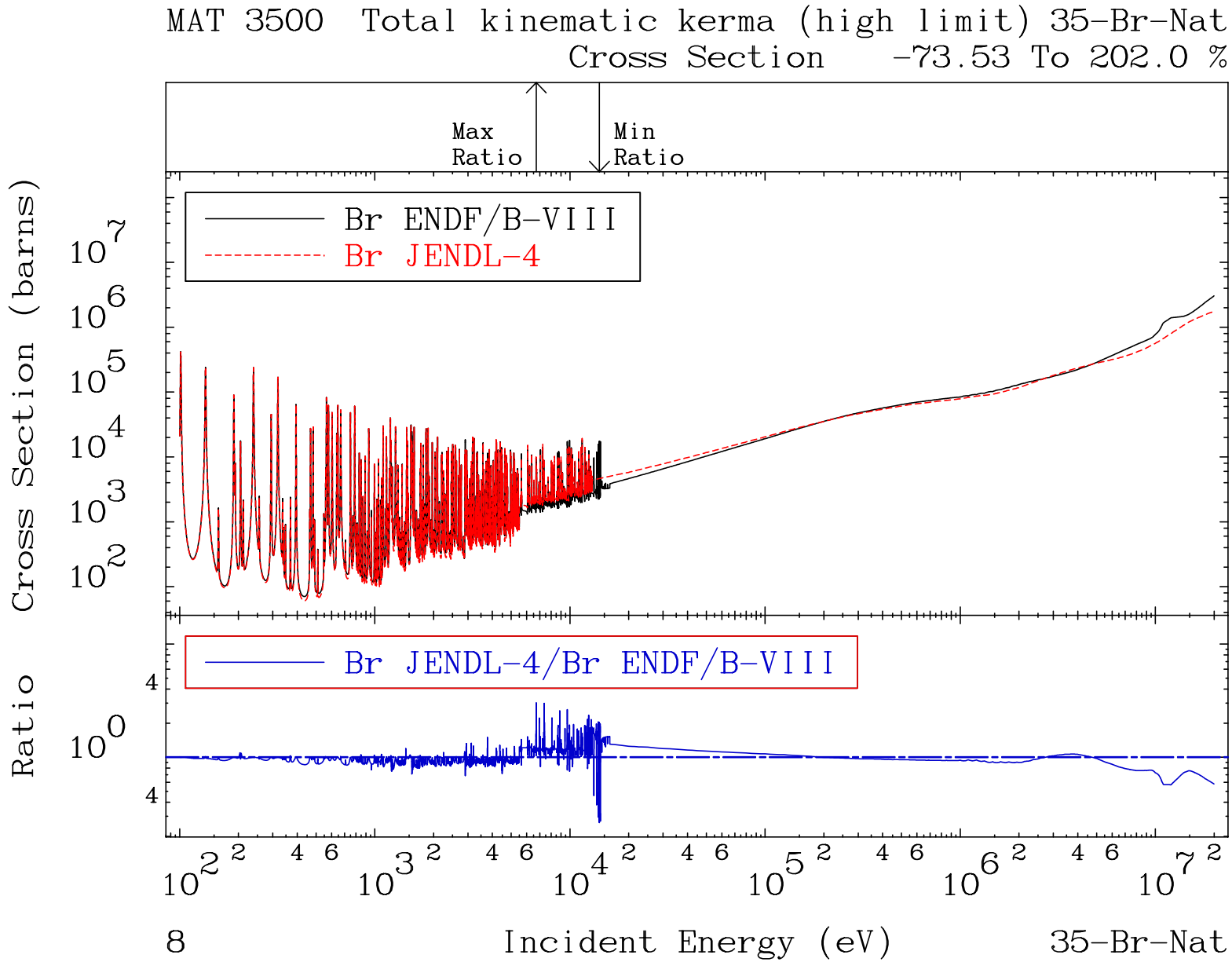

MAT 3500
Deuterium Production
35-Br-Nat
Cross Section -100.0 To 2094. %
Min Ratio
Max Ratio
Br ENDF/B-VIII Threshold 4.0734 MeV
Br JENDL-4 Threshold 6.0000 MeV
Br JENDL-4/Br ENDF/B-VIII
RatioCross Section (milli-barns)
Incident Energy (MeV)
3
35-Br-Nat

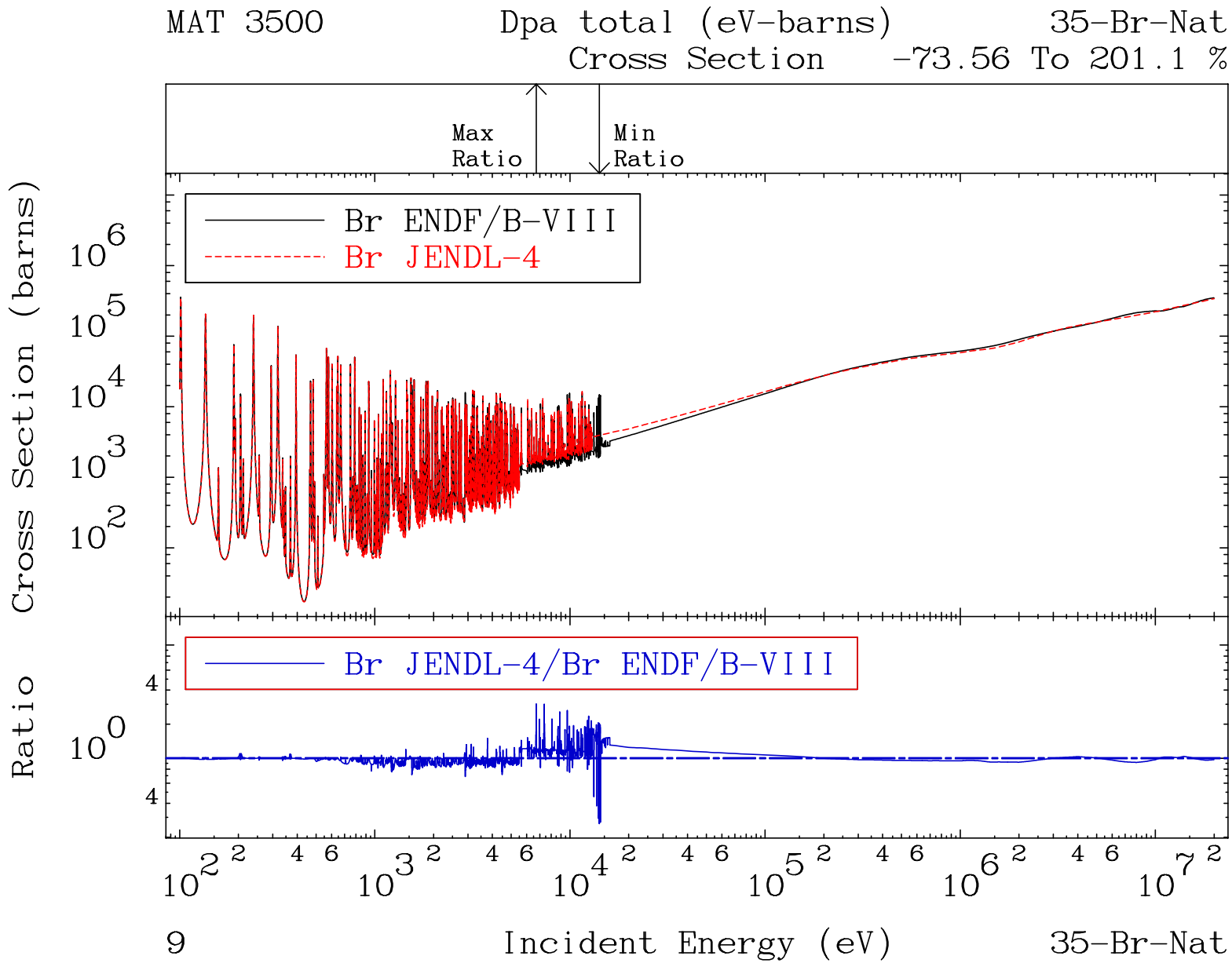

MAT 3500
Tritium Production
35-Br-Nat
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
Br ENDF/B-VIII Threshold 9.0412 MeV
Br JENDL-4 Threshold 10.000 MeV
Br JENDL-4/Br ENDF/B-VIII
RatioCross Section (milli-barns)
Incident Energy (MeV)
4
35-Br-Nat

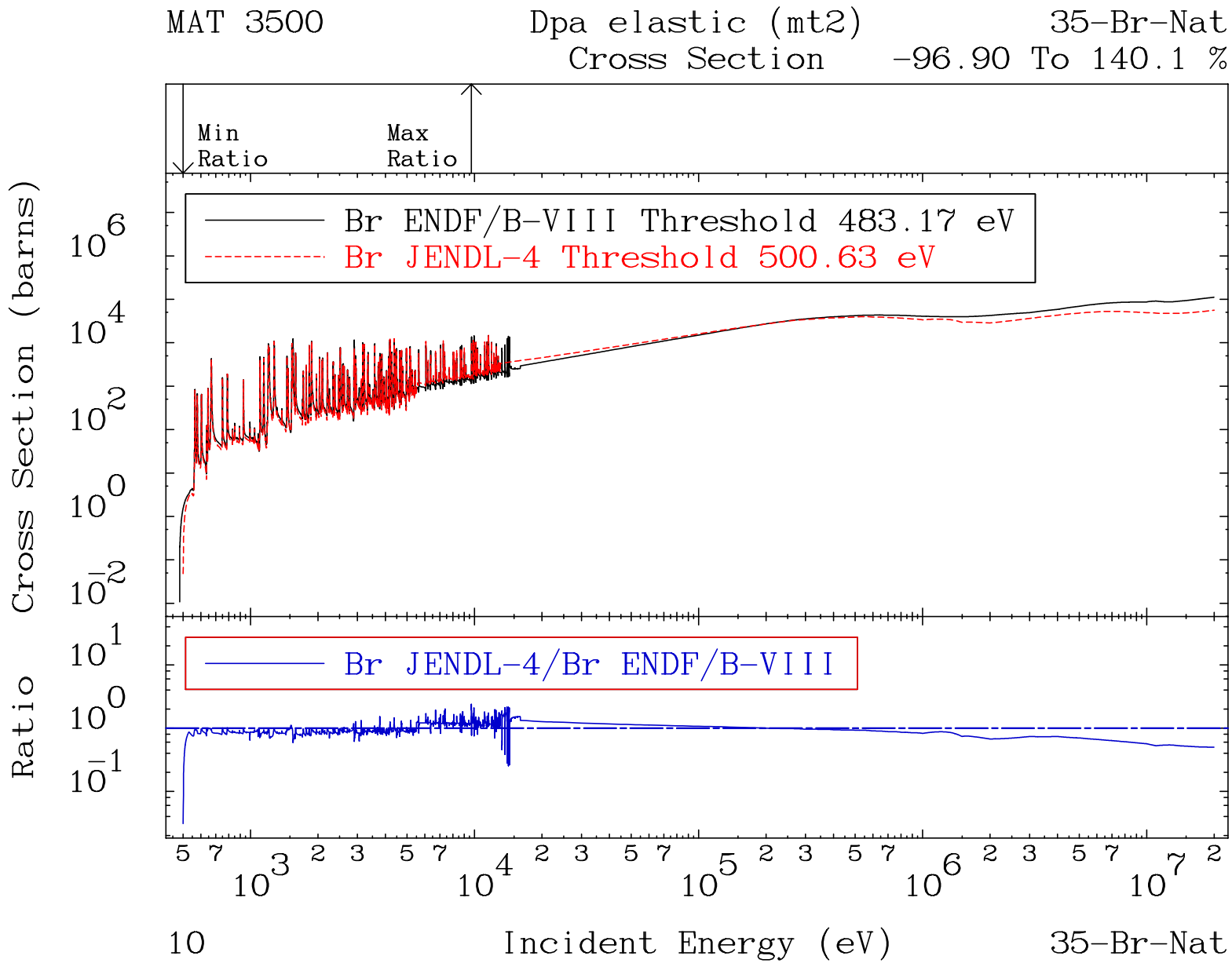

MAT 3500
He-3 Production
Cross Section
35-Br-Nat
-100.0 To 1368. %
Min
Ratio
Max
Ratio
Br ENDF/B-VIII Threshold 11.000 MeV
Br JENDL-4 Threshold 13.000 MeV
Br JENDL-4/Br ENDF/B-VIII
RatioCross Section (micro-barns)
40
30
20
10
0
20
10
0
12
14
16
18
20
5
Incident Energy (MeV)
35-Br-Nat

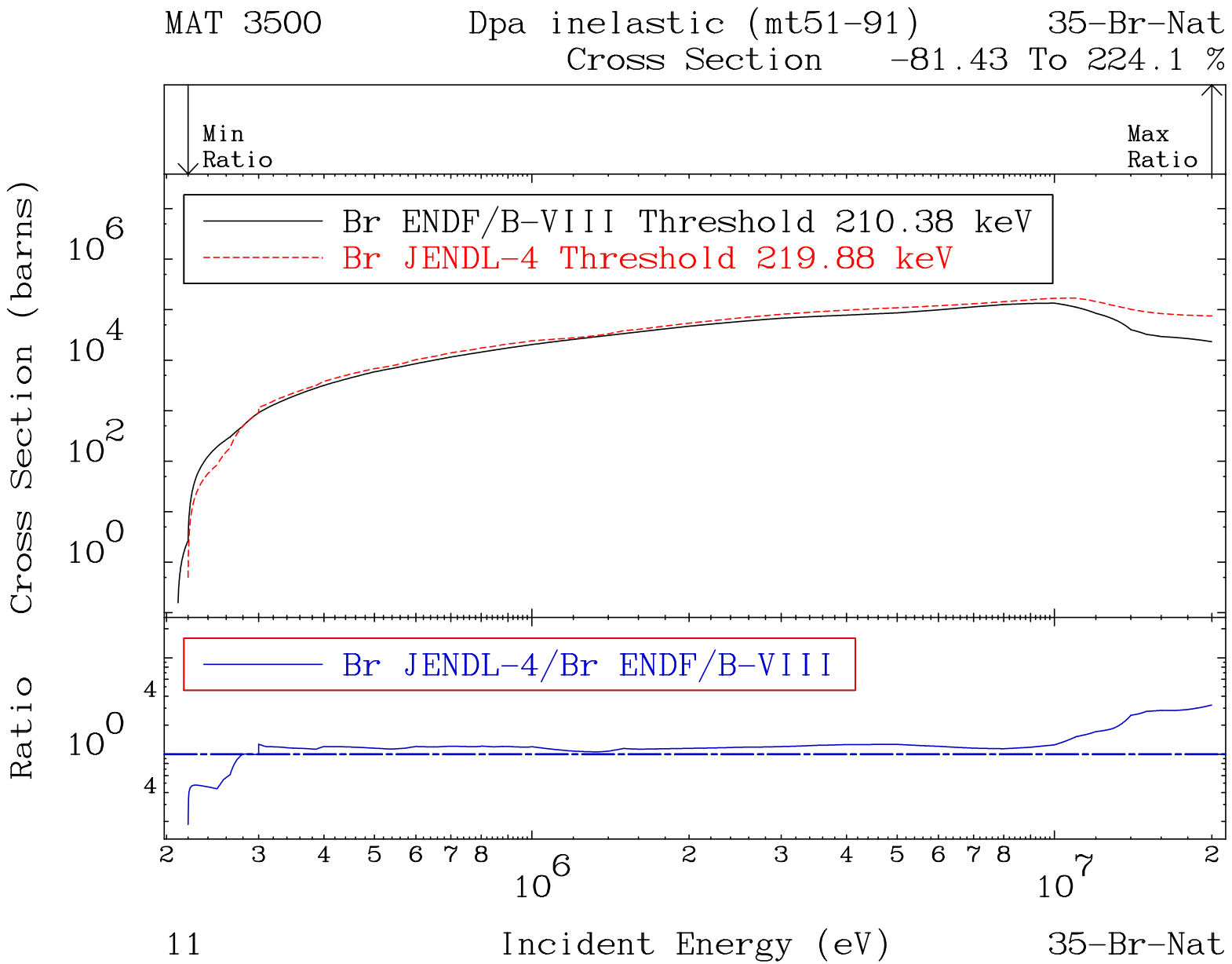

MAT 3500
He-4 Production
Cross Section
35-Br-Nat
-100.0 To -4.321%
Min
Ratio
Max
Ratio
Br ENDF/B-VIII Threshold 100.00 keV
Br JENDL-4 Threshold 3.5000 MeV
Br JENDL-4/Br ENDF/B-VIII
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
10^6
2
3
4
5
6
7
8
9
10^7
2
6
Incident Energy (eV)
35-Br-Nat

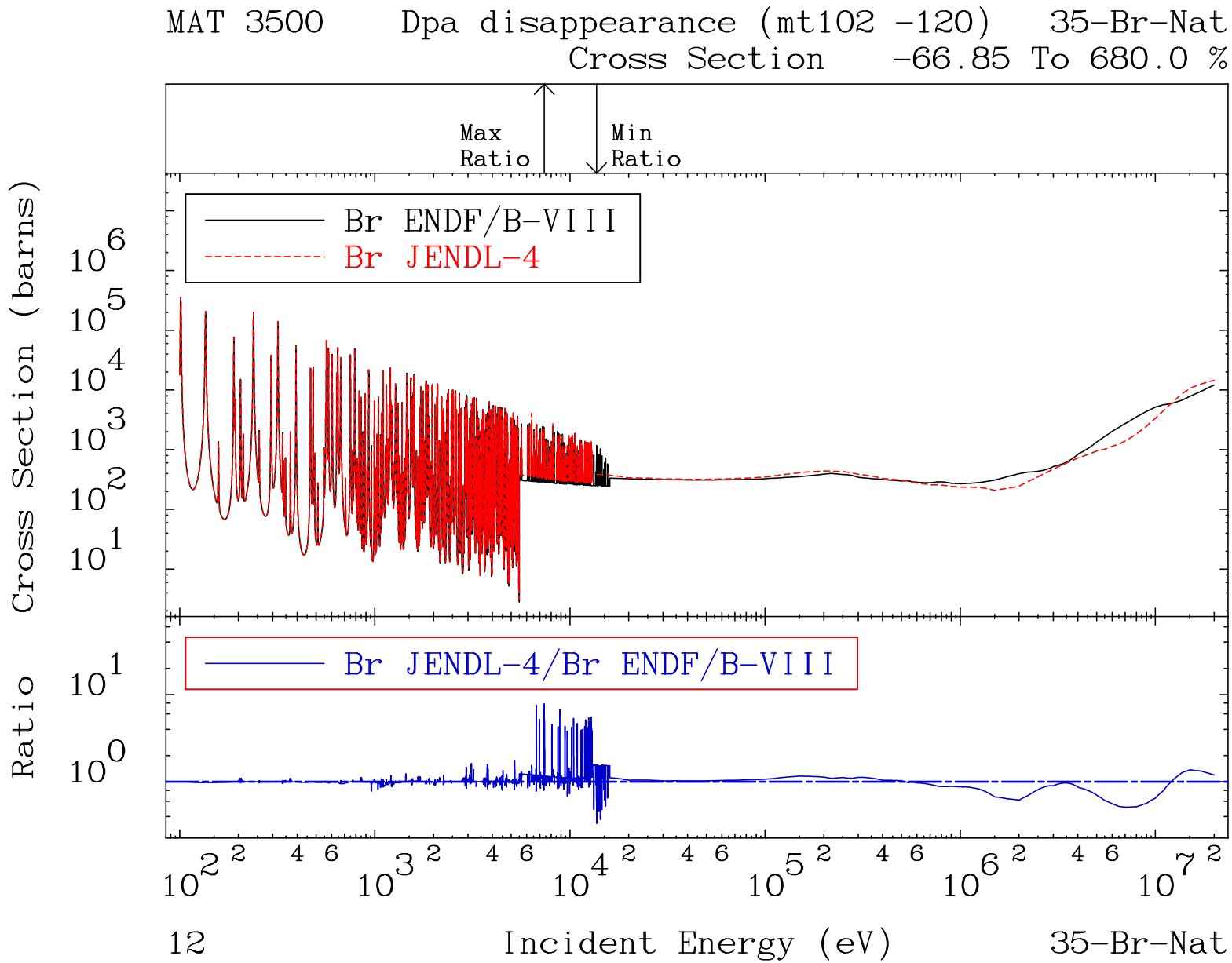

MAT 3500
Kerma total (eV-barns)
35-Br-Nat
Cross Section -67.40 To 709.4 %
Max Ratio
Min Ratio
Br ENDF/B-VIII
Br JENDL-4
Br JENDL-4/Br ENDF/B-VIII
Cross Section (barns)
Ratio
Incident Energy (eV)
35-Br-Nat


MAT 3500 Total kinematic kerma (high limit) 35-Br-Nat
Cross Section -73.53 To 202.0 %
Max Ratio
Min Ratio
Br ENDF/B-VIII
Br JENDL-4
Cross Section (barns)
Br JENDL-4/Br ENDF/B-VIII
Ratio
Incident Energy (eV)
8
35-Br-Nat


MAT 3500
Dpa total (eV-barns)
35-Br-Nat
Cross Section -73.56 To 201.1 %
Max Ratio
Min Ratio
Br ENDF/B-VIII
Br JENDL-4
Cross Section (barns)
Br JENDL-4/Br ENDF/B-VIII
Ratio
Incident Energy (eV)
9
35-Br-Nat


MAT 3500
Dpa elastic (mt2)
Cross Section
35-Br-Nat
-96.90 To 140.1 %
Min Ratio
Max Ratio
Br ENDF/B-VIII Threshold 483.17 eV
Br JENDL-4 Threshold 500.63 eV
Br JENDL-4/Br ENDF/B-VIII
Cross Section (barns)
Ratio
Incident Energy (eV)
10
35-Br-Nat


MAT 3500
Dpa inelastic (mt51-91)
35-Br-Nat
Cross Section
-81.43 To 224.1 %
Min Ratio
Max Ratio
Br ENDF/B-VIII Threshold 210.38 keV
Br JENDL-4 Threshold 219.88 keV
Br JENDL-4/Br ENDF/B-VIII
Cross Section (barns)
Ratio
Incident Energy (eV)
11
35-Br-Nat


MAT 3500 Dpa disappearance (mt102 -120) 35-Br-Nat
Cross Section -66.85 To 680.0 %
Max Ratio
Min Ratio
Br ENDF/B-VIII
Br JENDL-4
Cross Section (barns)
Br JENDL-4/Br ENDF/B-VIII
Ratio
Incident Energy (eV)
12
35-Br-Nat