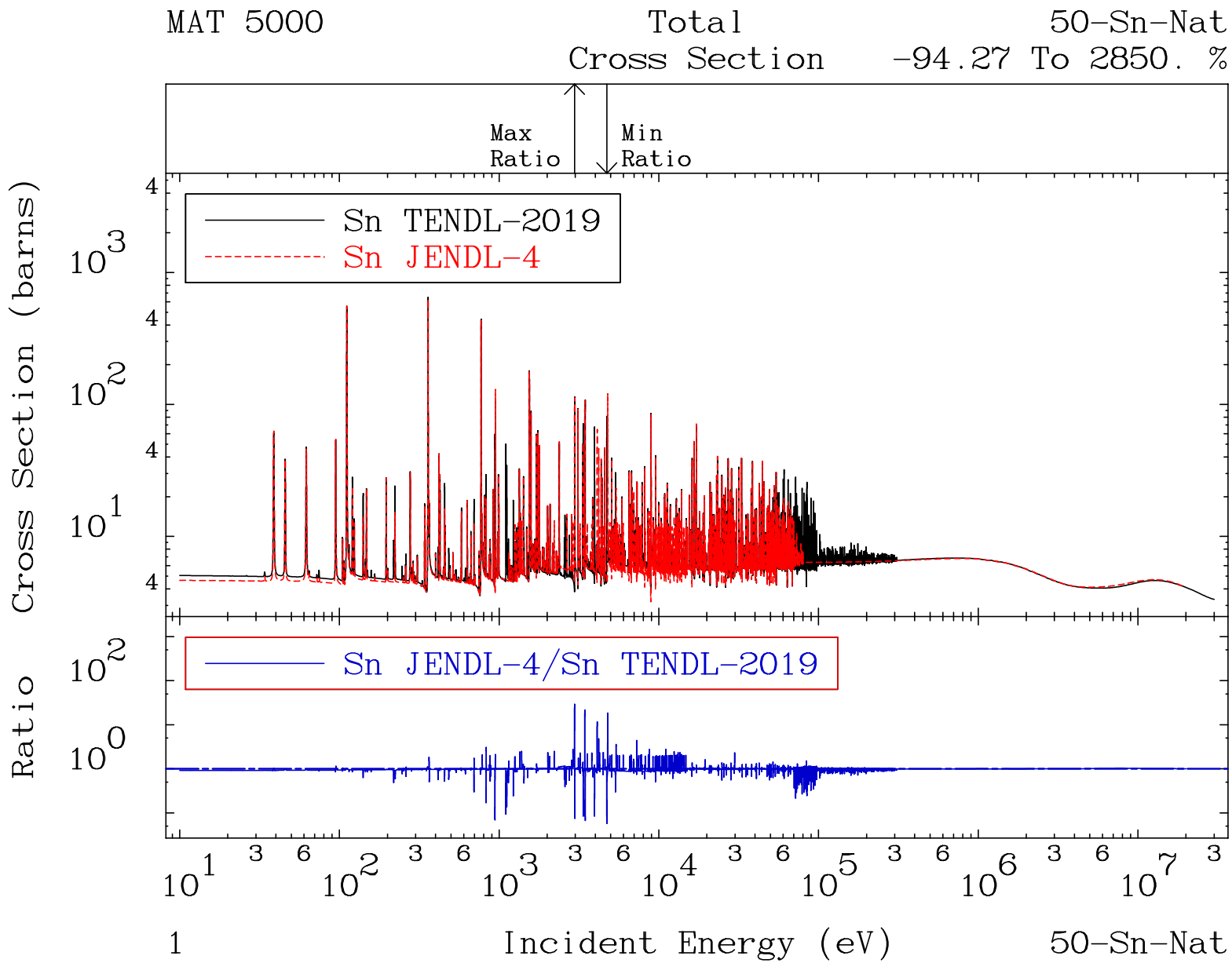
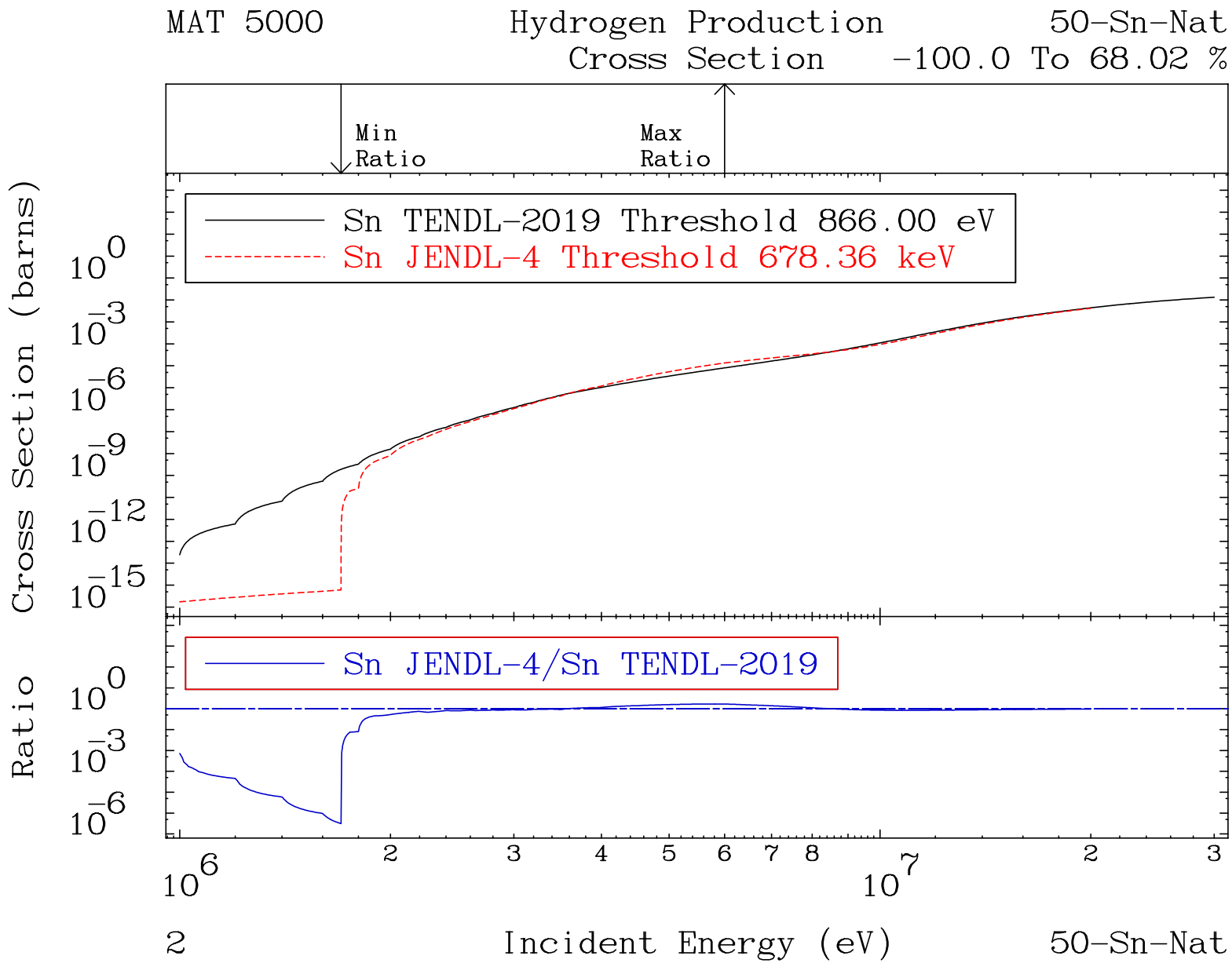
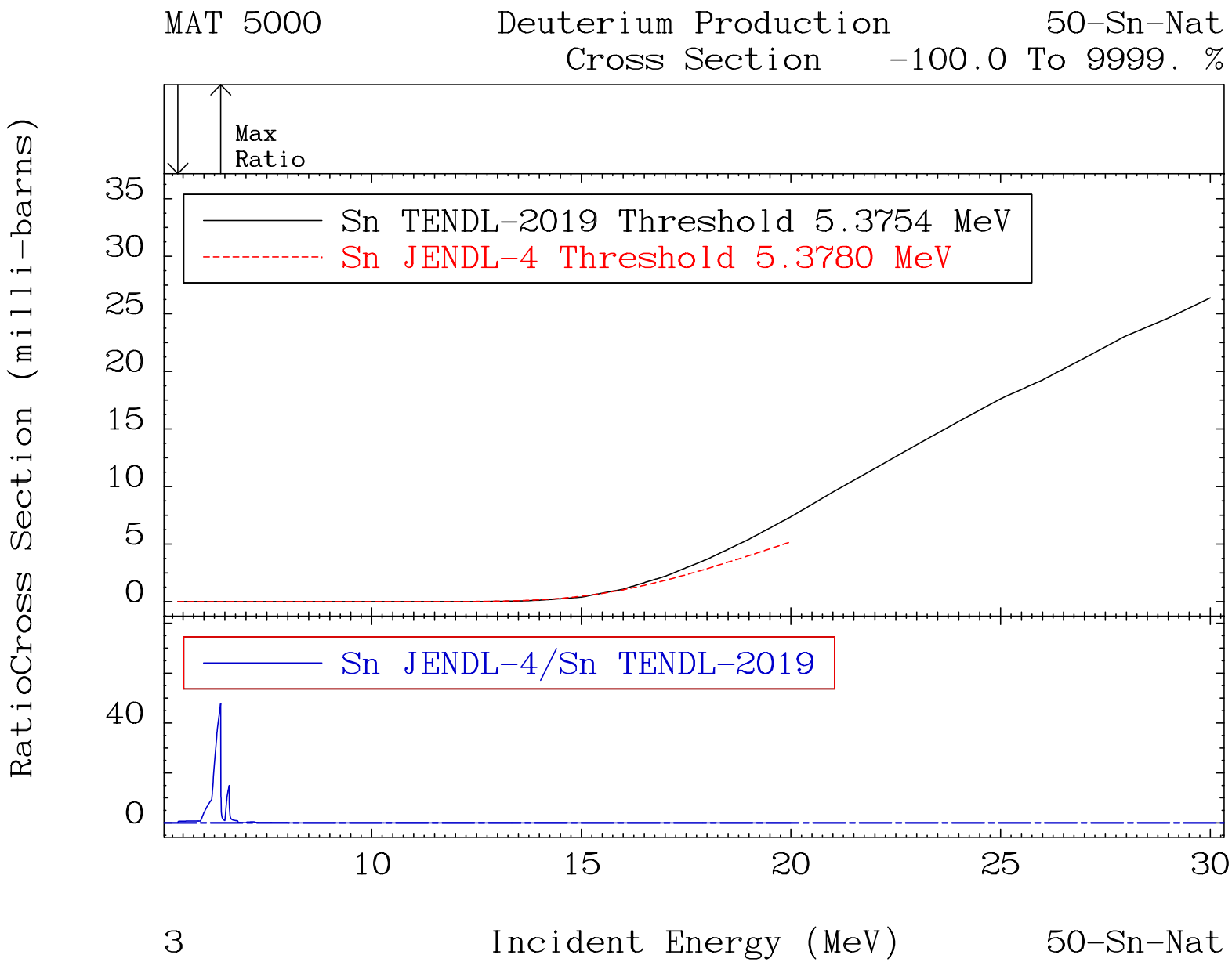
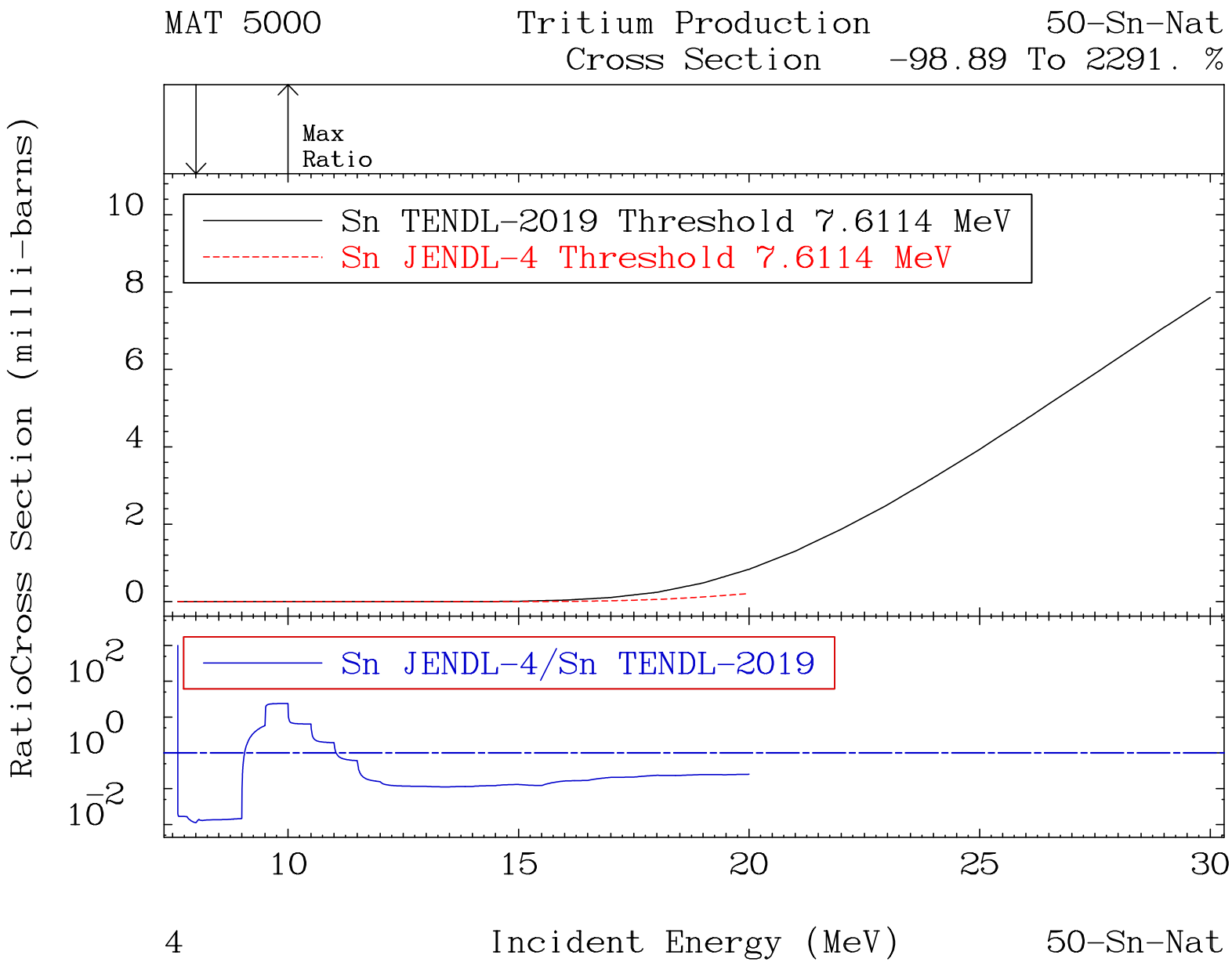
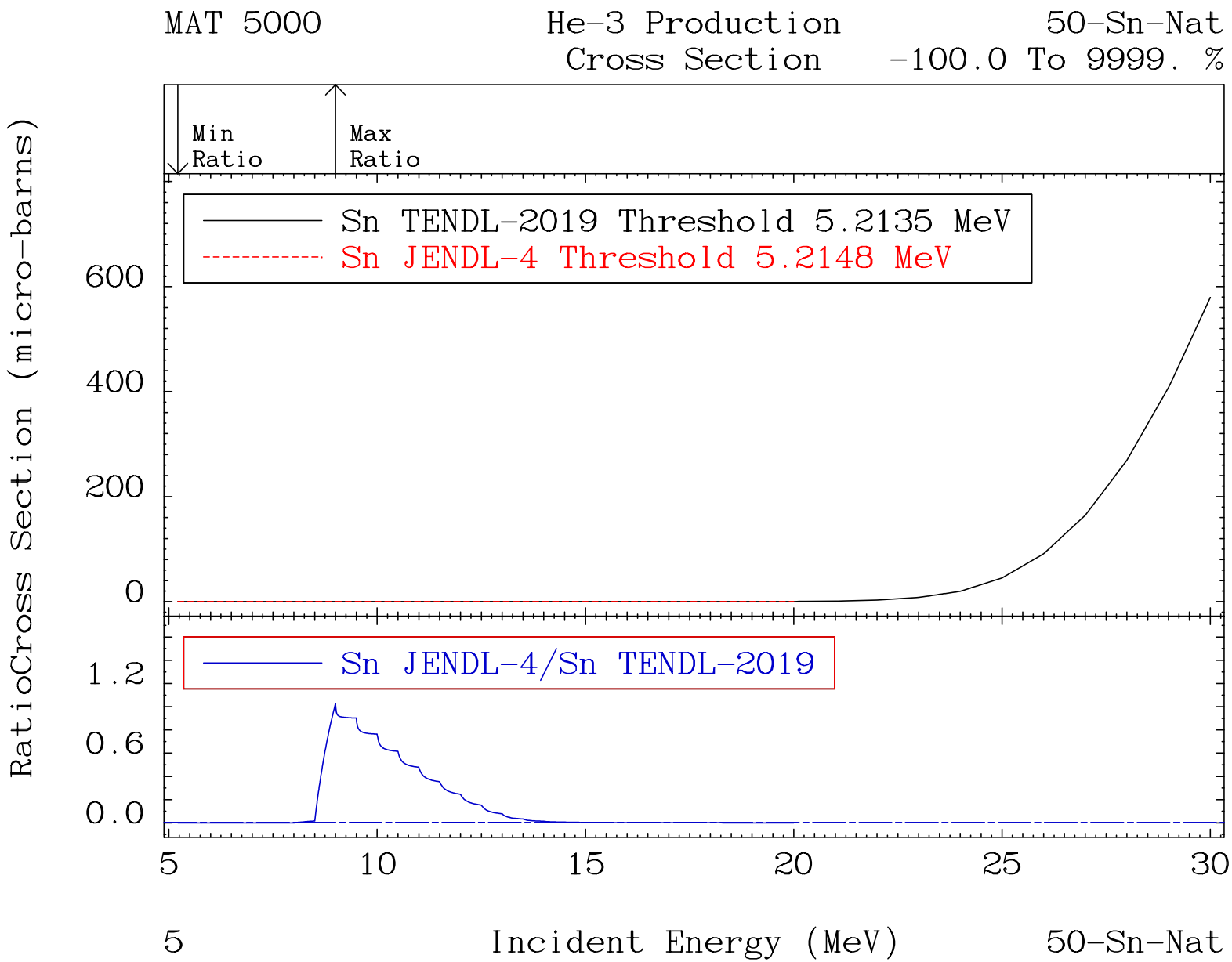
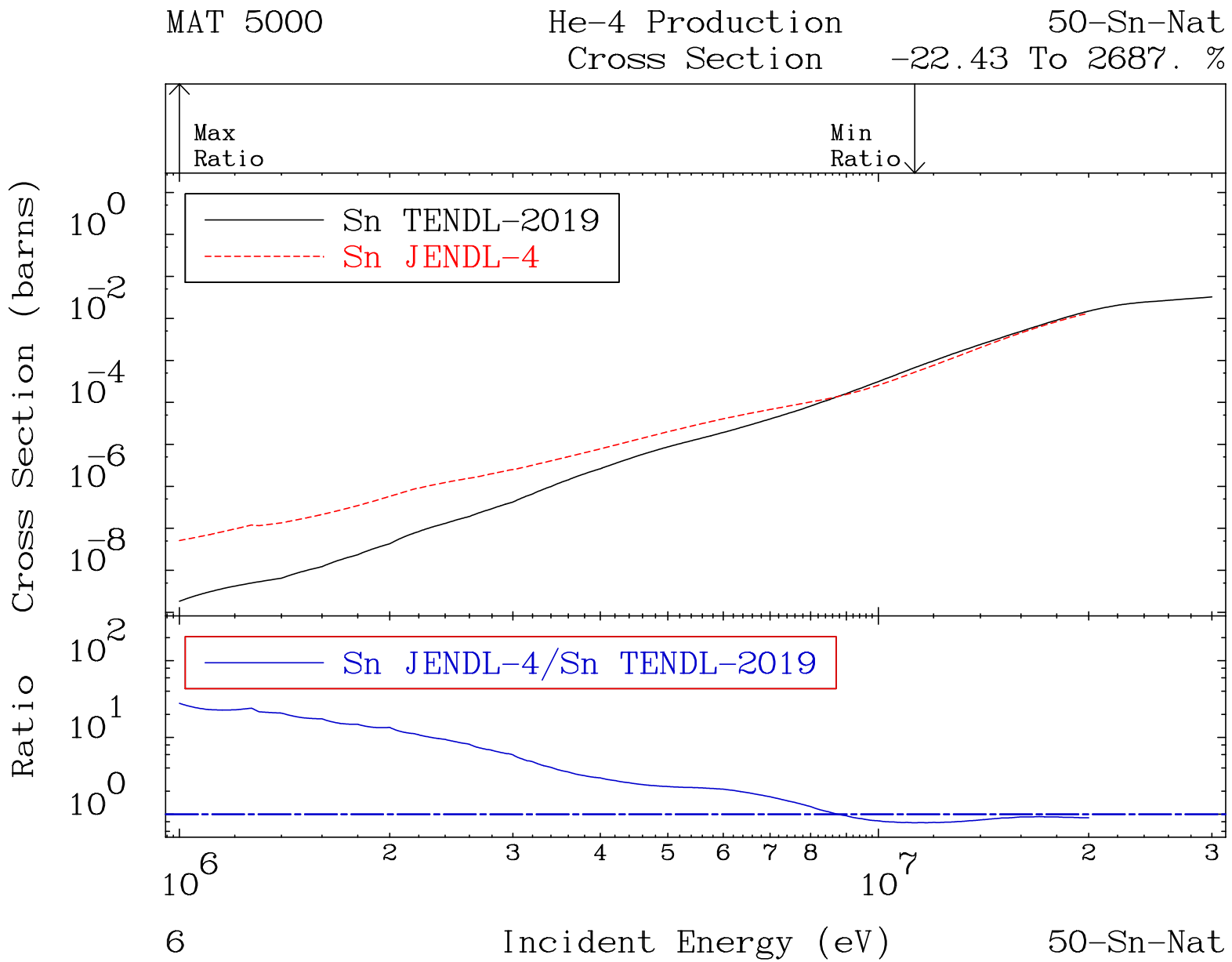

MAT 5000
Total
Cross Section
50-Sn-Nat
-94.27 To 2850. %
Max
Ratio
Min
Ratio
Sn TENDL-2019
Sn JENDL-4
Sn JENDL-4/Sn TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
1
50-Sn-Nat

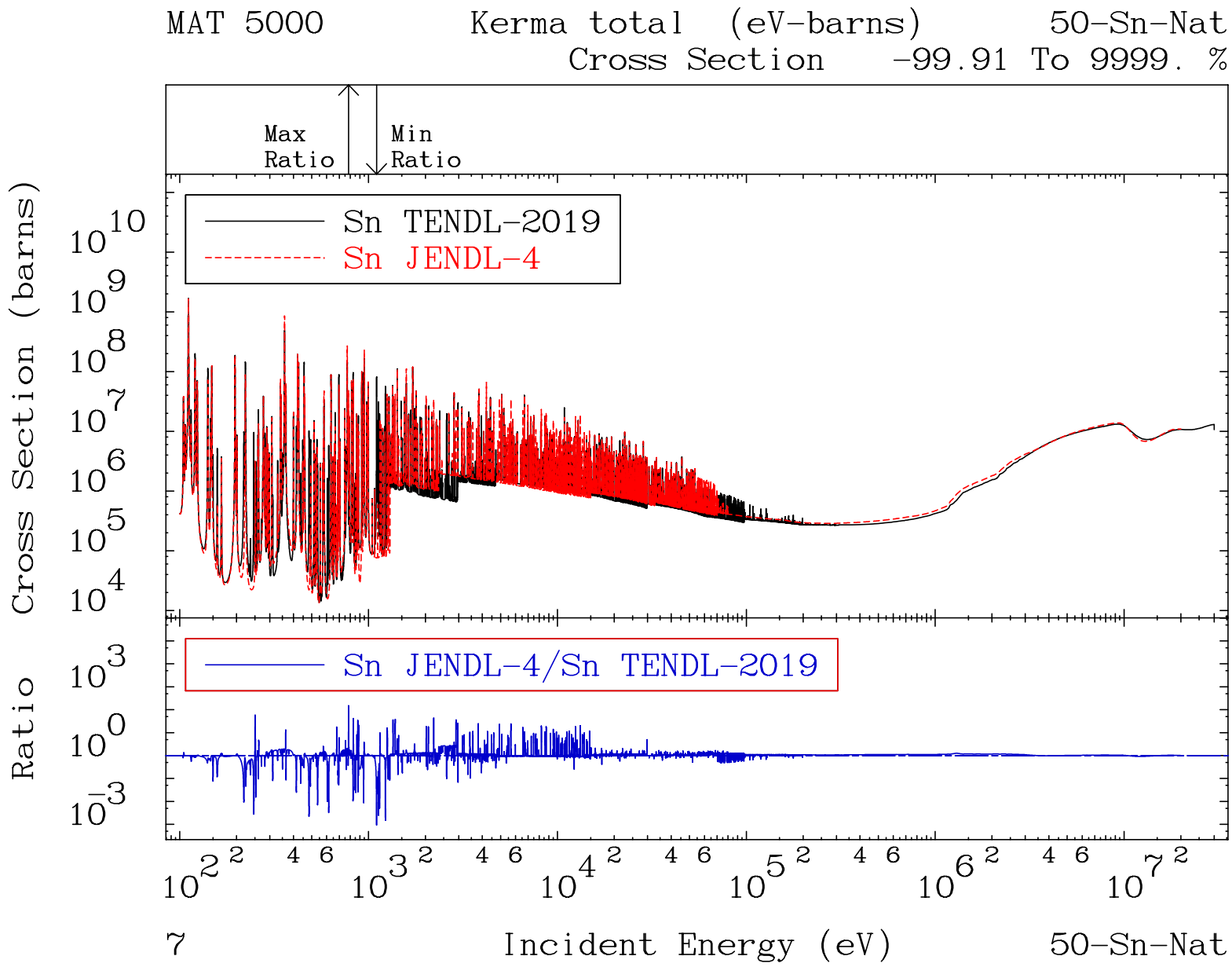

MAT 5000
Hydrogen Production
Cross Section
50-Sn-Nat
-100.0 To 68.02 %
Min Ratio
Max Ratio
Sn TENDL-2019 Threshold 866.00 eV
Sn JENDL-4 Threshold 678.36 keV
Cross Section (barns)
Sn JENDL-4/Sn TENDL-2019
Ratio
Incident Energy (eV)
50-Sn-Nat

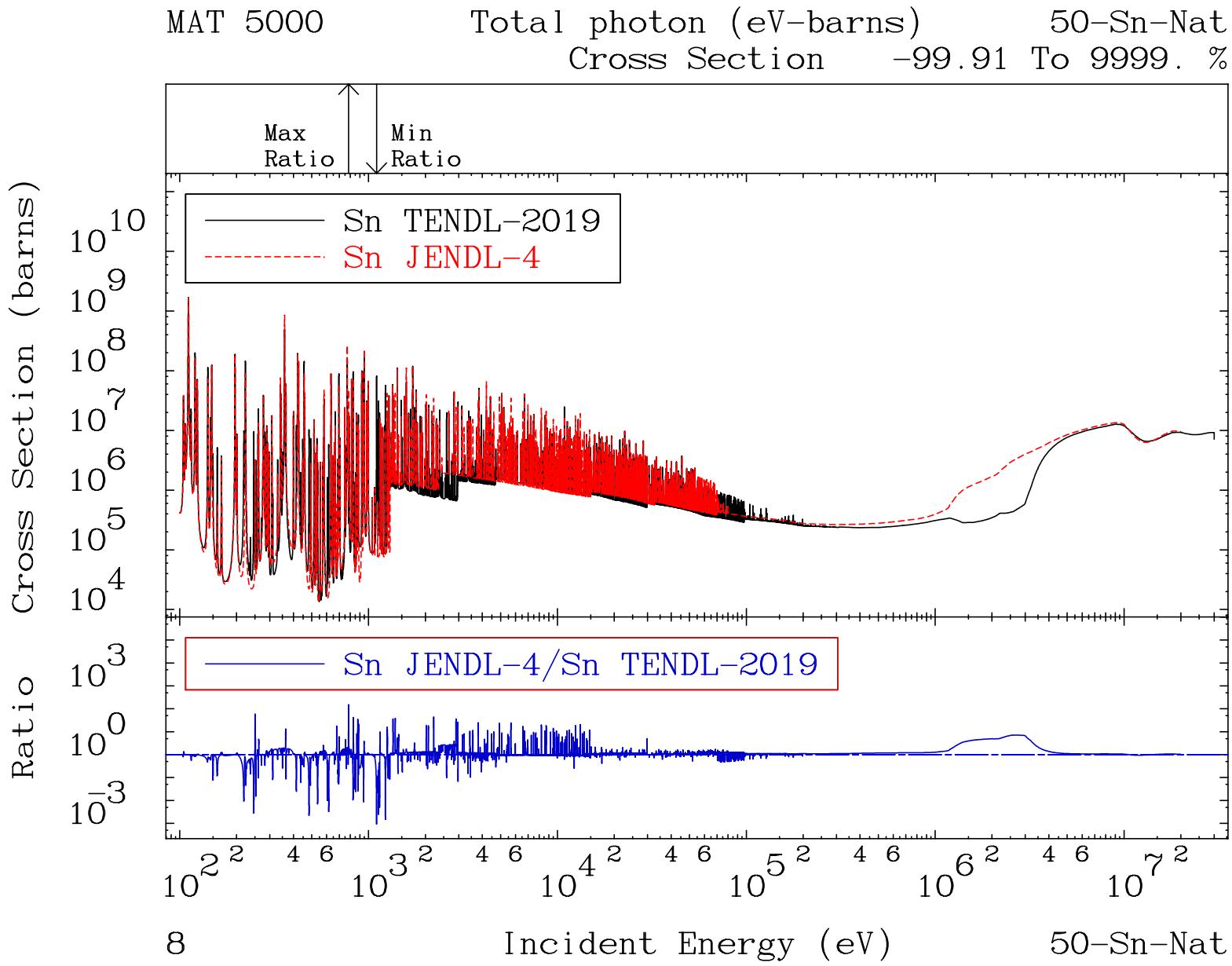

MAT 5000
Deuterium Production
50-Sn-Nat
Cross Section -100.0 To 9999. %
Max
Ratio
Sn TENDL-2019 Threshold 5.3754 MeV
Sn JENDL-4 Threshold 5.3780 MeV
Sn JENDL-4/Sn TENDL-2019
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
40
0
10
15
20
25
30
3
Incident Energy (MeV)
50-Sn-Nat

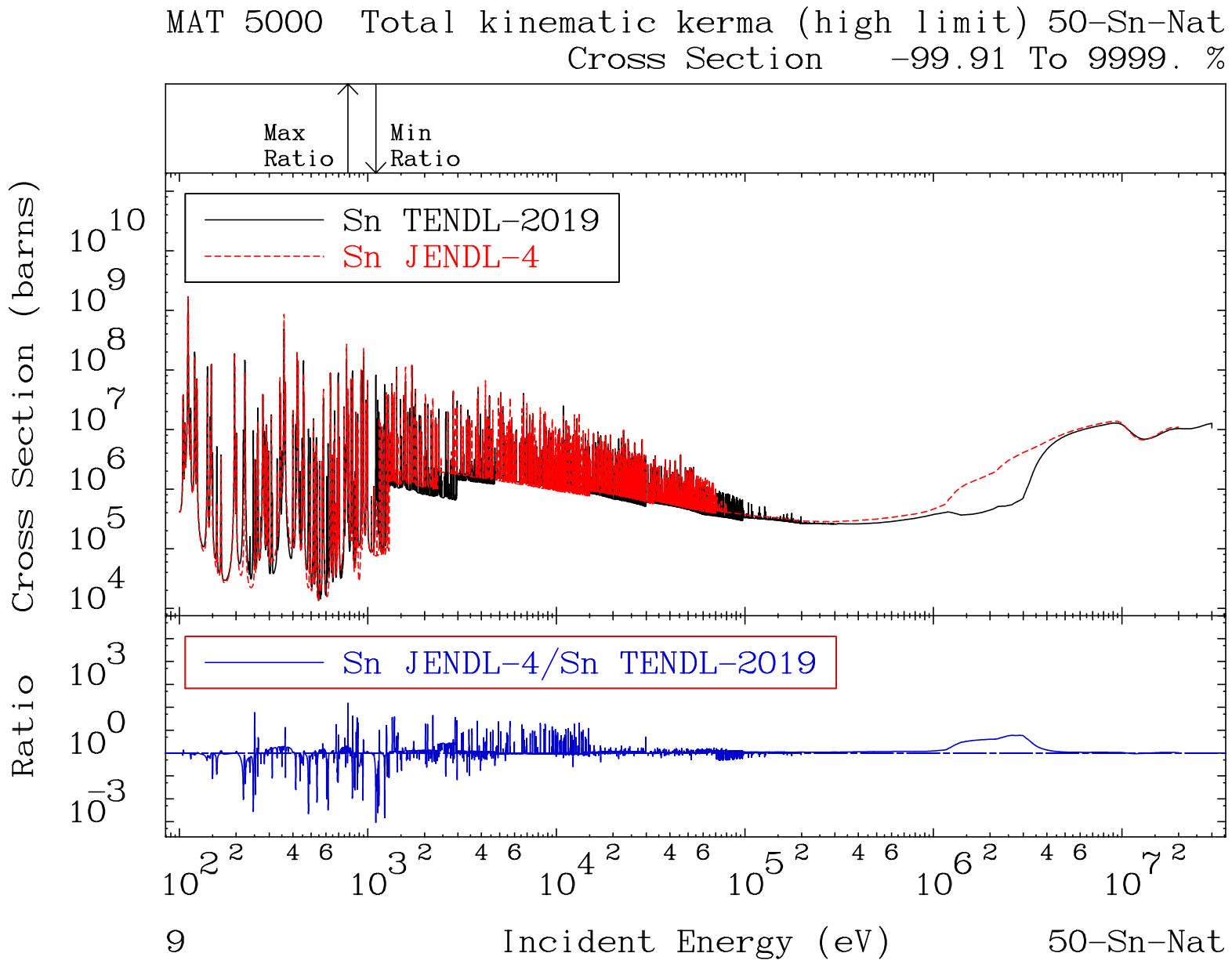

MAT 5000
Tritium Production
Cross Section
50-Sn-Nat
-98.89 To 2291. %
Max
Ratio
Sn TENDL-2019 Threshold 7.6114 MeV
Sn JENDL-4 Threshold 7.6114 MeV
Sn JENDL-4/Sn TENDL-2019
RatioCross Section (milli-barns)
10
8
6
4
2
0
10^2
10^0
10^-2
10
15
20
25
30
4
Incident Energy (MeV)
50-Sn-Nat

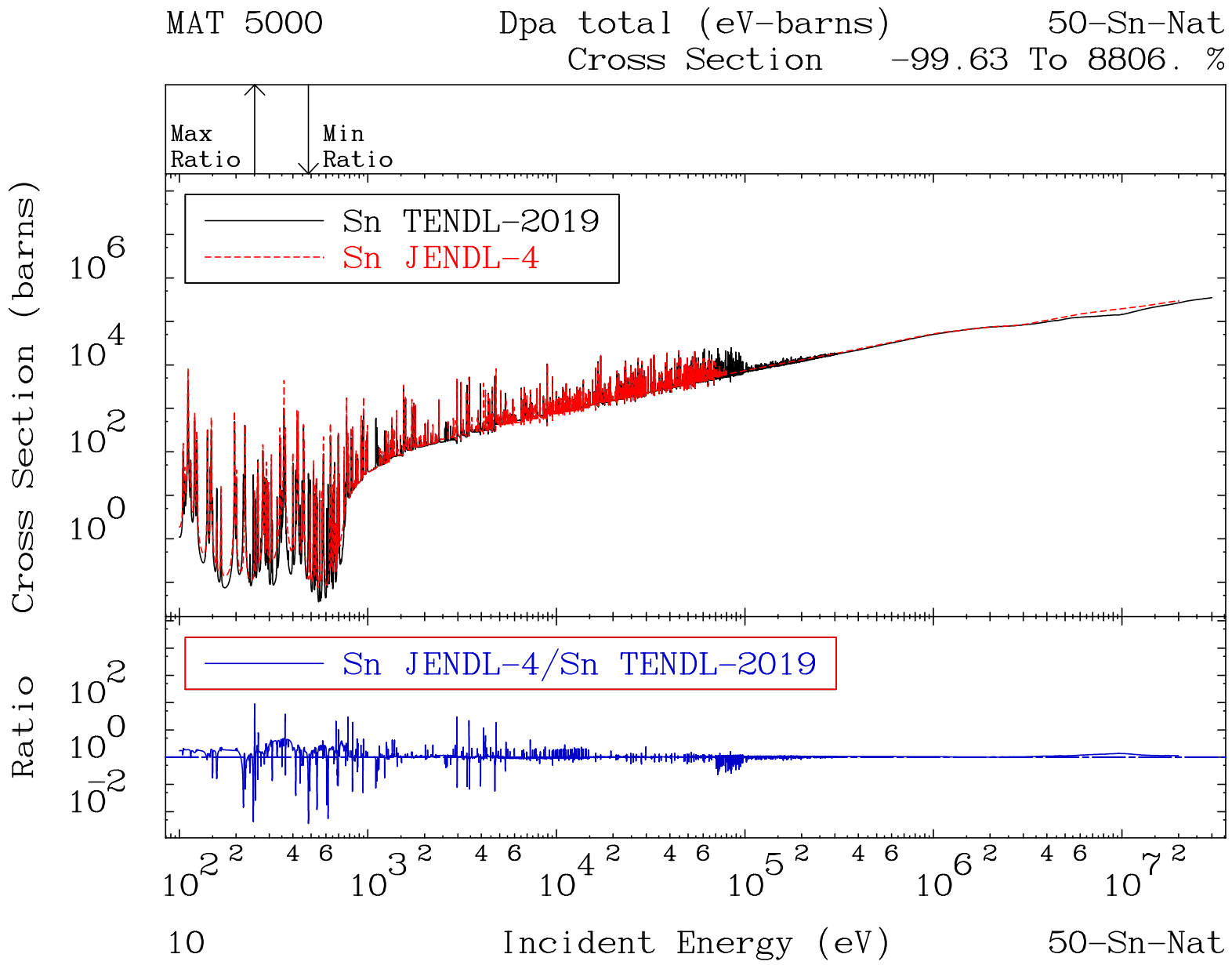

MAT 5000
He-3 Production
Cross Section
50-Sn-Nat
-100.0 To 9999. %
Min Ratio
Max Ratio
Sn TENDL-2019 Threshold 5.2135 MeV
Sn JENDL-4 Threshold 5.2148 MeV
Sn JENDL-4/Sn TENDL-2019
RatioCross Section (micro-barns)
600
400
200
0
1.2
0.6
0.0
5
10
15
20
25
30
5
Incident Energy (MeV)
50-Sn-Nat

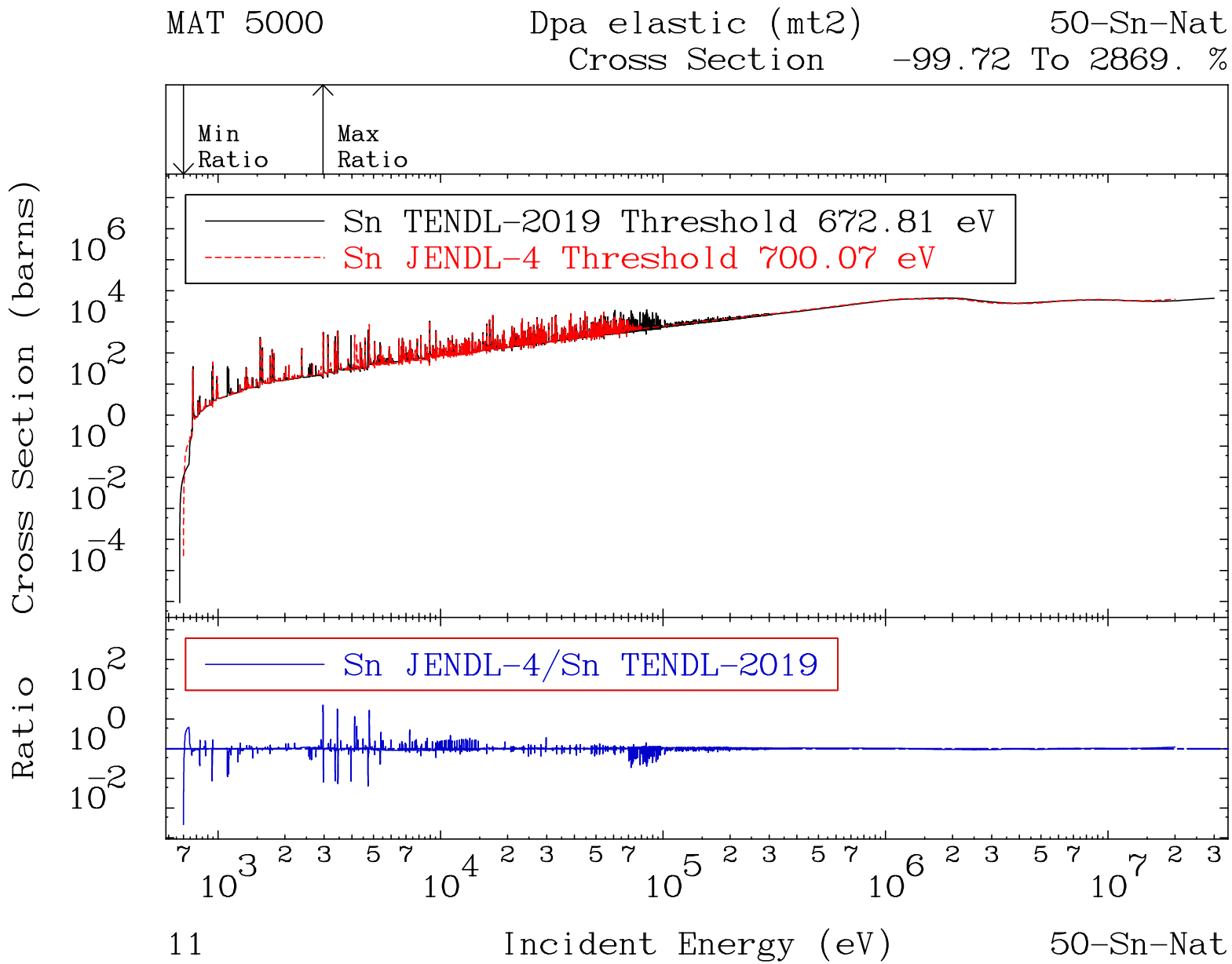

MAT 5000
He-4 Production
Cross Section
50-Sn-Nat
-22.43 To 2687. %
Max Ratio
Min Ratio
Sn TENDL-2019
Sn JENDL-4
Sn JENDL-4/Sn TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
6
50-Sn-Nat

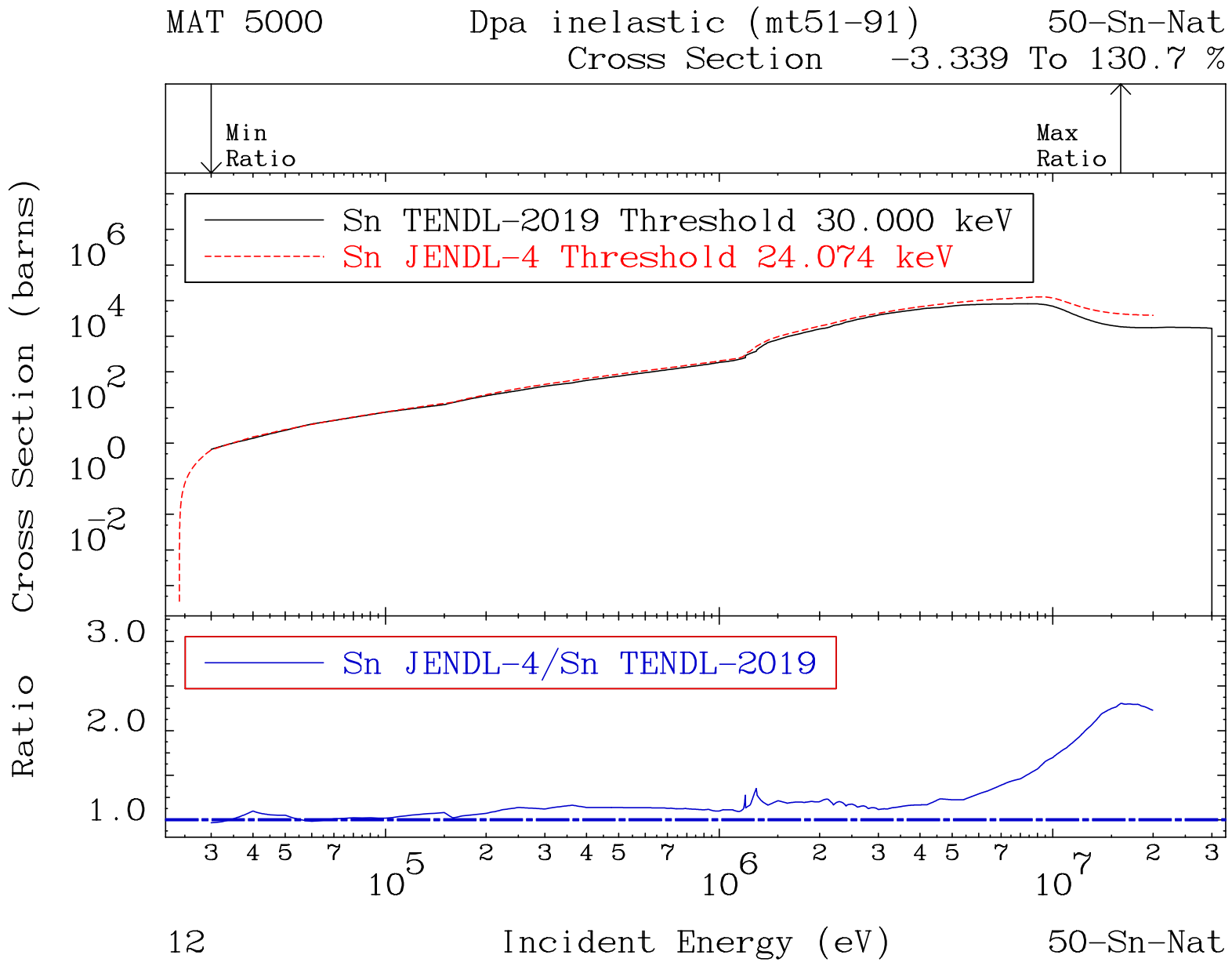

MAT 5000 Kerma total (eV-barns) 50-Sn-Nat
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
Sn TENDL-2019
Sn JENDL-4
Cross Section (barns)
Sn JENDL-4/Sn TENDL-2019
Ratio
Incident Energy (eV)
50-Sn-Nat

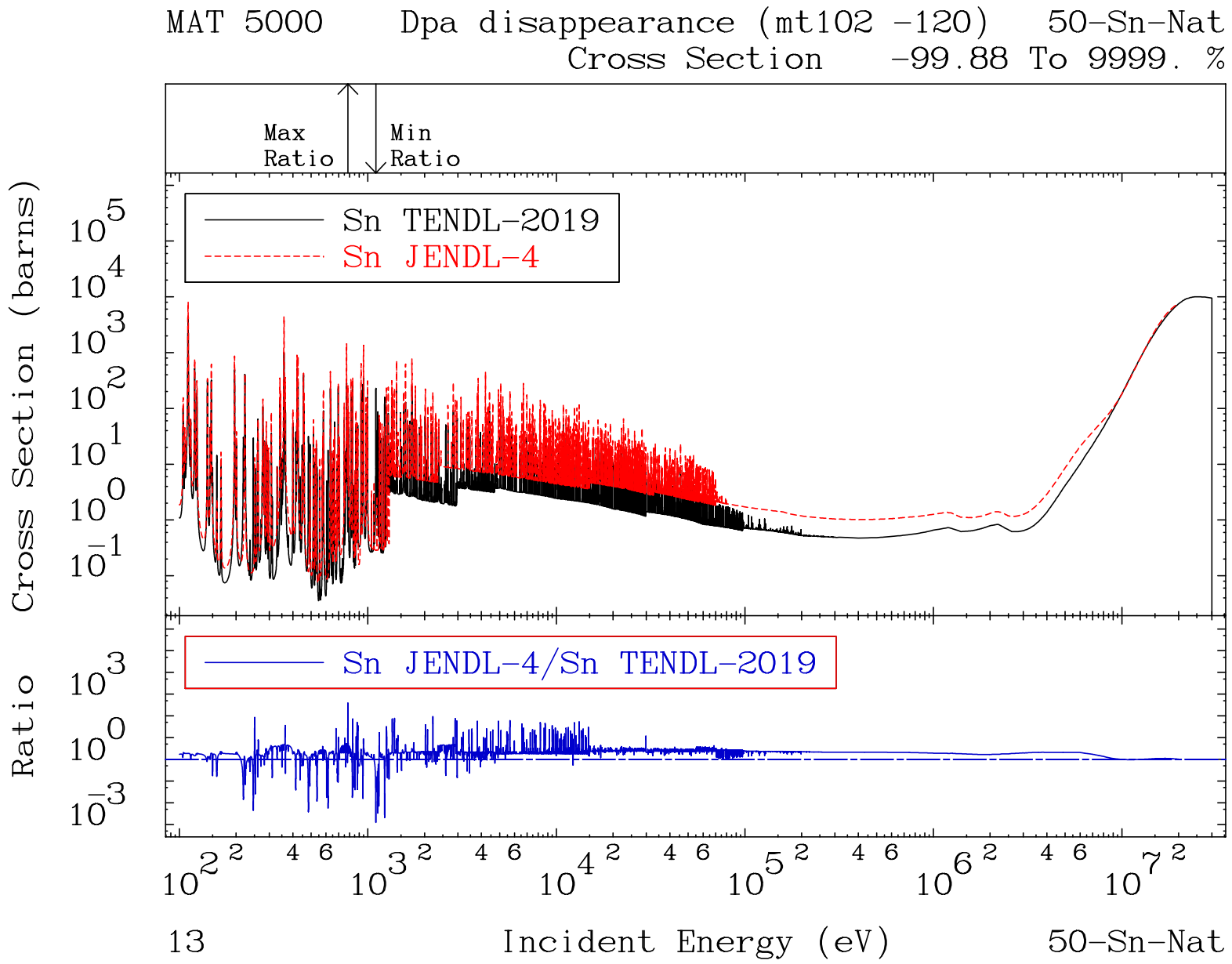

MAT 5000
Total photon (eV-barns)
50-Sn-Nat
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
Sn TENDL-2019
Sn JENDL-4
Cross Section (barns)
Sn JENDL-4/Sn TENDL-2019
Ratio
Incident Energy (eV)
8
50-Sn-Nat


MAT 5000 Total kinematic kerma (high limit) 50-Sn-Nat
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
Sn TENDL-2019
Sn JENDL-4
Sn JENDL-4/Sn TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
50-Sn-Nat


MAT 5000
Dpa total (eV-barns)
50-Sn-Nat
Cross Section
-99.63 To 8806. %
Max Ratio
Min Ratio
Sn TENDL-2019
Sn JENDL-4
Cross Section (barns)
Sn JENDL-4/Sn TENDL-2019
Ratio
Incident Energy (eV)
50-Sn-Nat


MAT 5000
Dpa elastic (mt2)
Cross Section
50-Sn-Nat
-99.72 To 2869. %
Min Ratio
Max Ratio
Sn TENDL-2019 Threshold 672.81 eV
Sn JENDL-4 Threshold 700.07 eV
Sn JENDL-4/Sn TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
11
50-Sn-Nat


MAT 5000
Dpa inelastic (mt51-91)
50-Sn-Nat
Cross Section
-3.339 To 130.7 %
Min Ratio
Max Ratio
Sn TENDL-2019 Threshold 30.000 keV
Sn JENDL-4 Threshold 24.074 keV
Cross Section (barns)
Sn JENDL-4/Sn TENDL-2019
Ratio
Incident Energy (eV)
12
50-Sn-Nat


MAT 5000 Dpa disappearance (mt102 -120) 50-Sn-Nat
Cross Section -99.88 To 9999. %
Max Ratio
Min Ratio
Sn TENDL-2019
Sn JENDL-4
Cross Section (barns)
Sn JENDL-4/Sn TENDL-2019
Ratio
Incident Energy (eV)
13
50-Sn-Nat