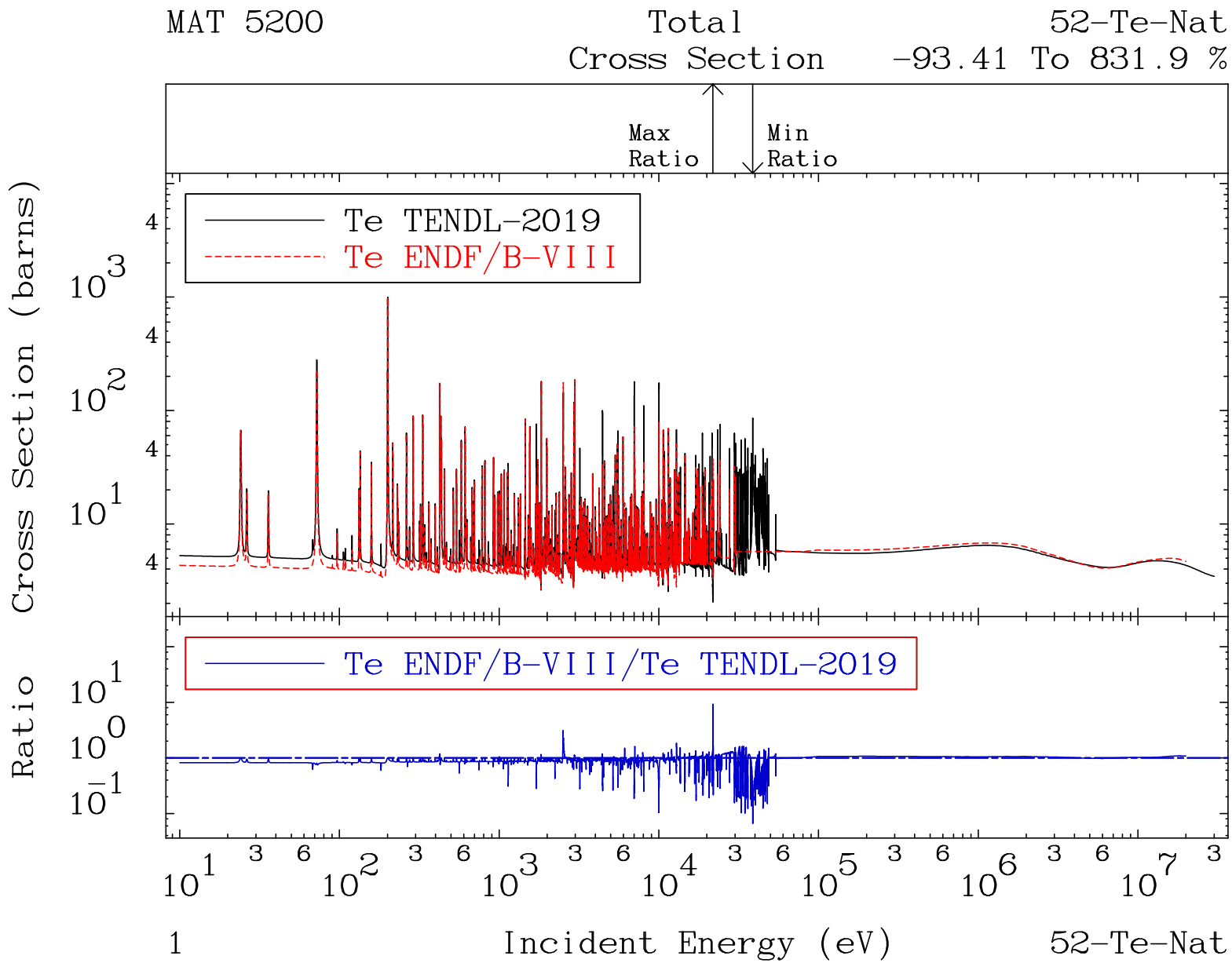
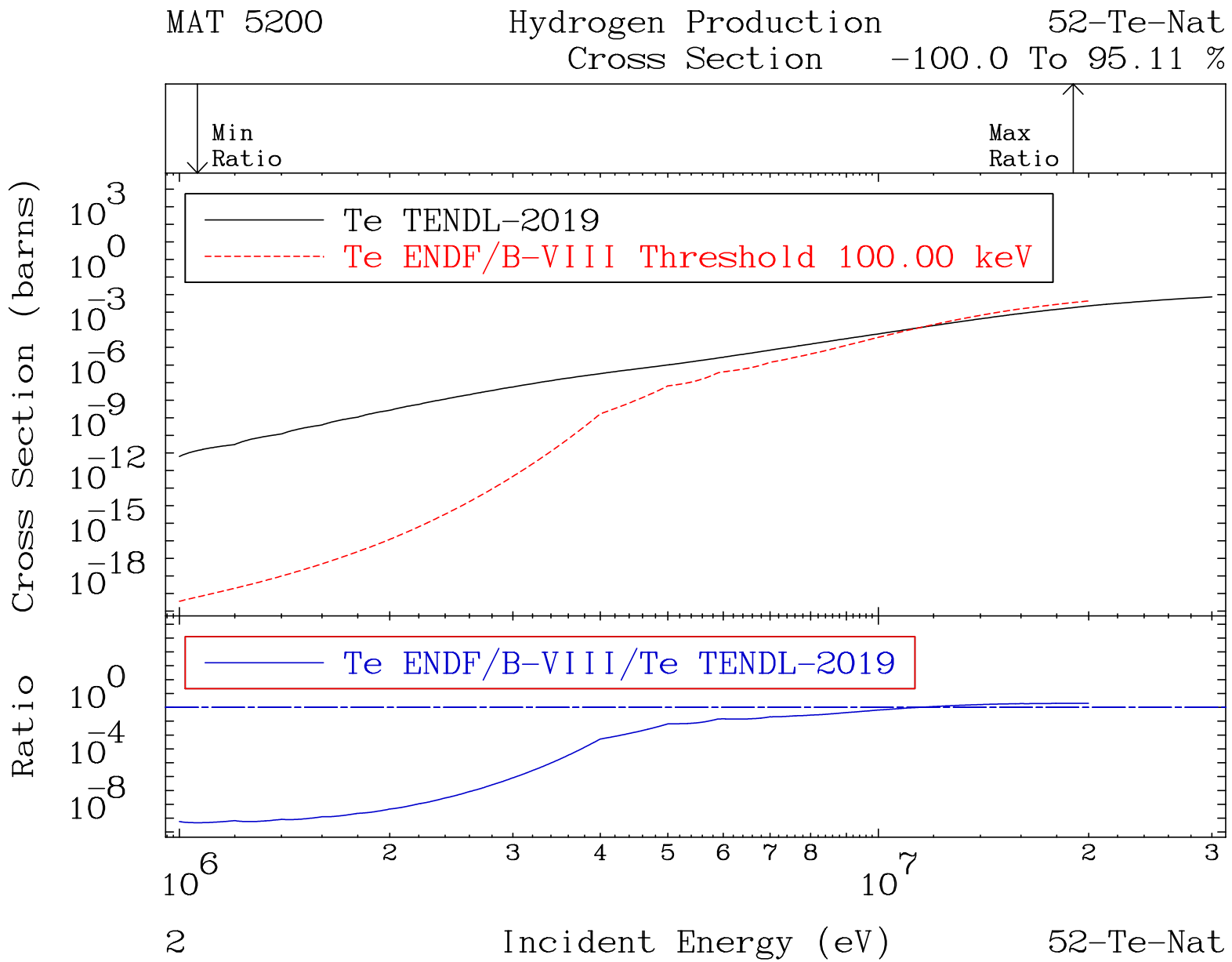
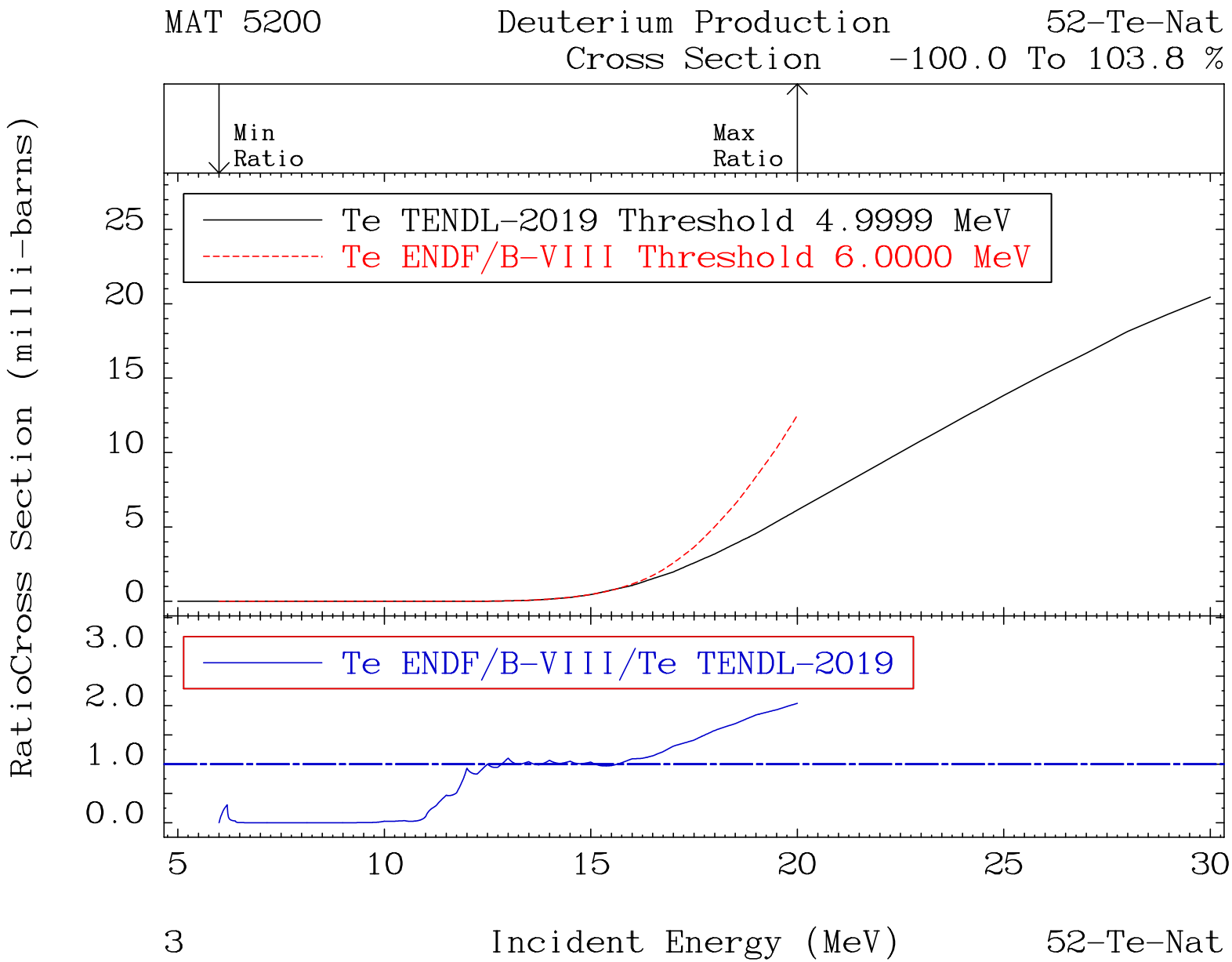
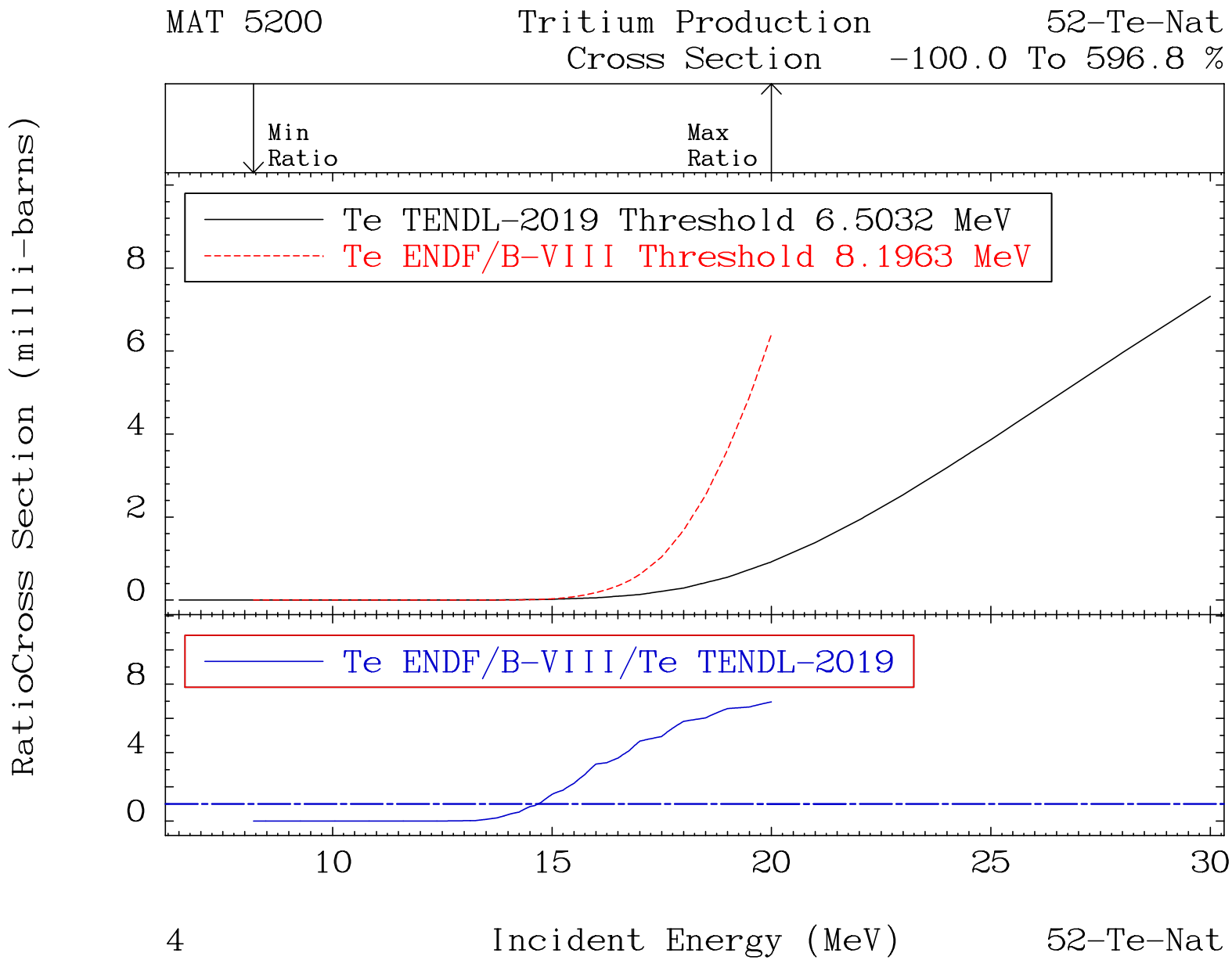
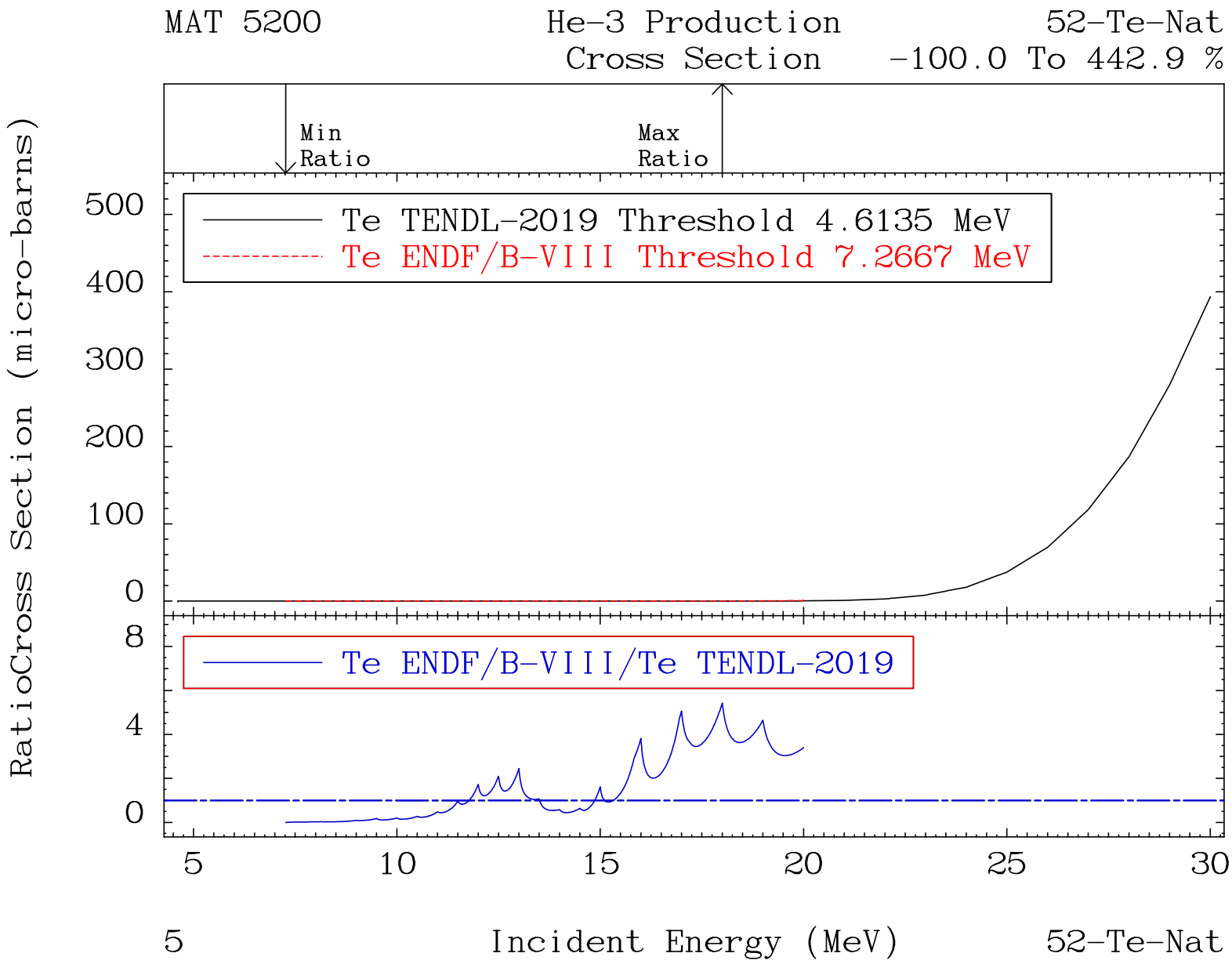
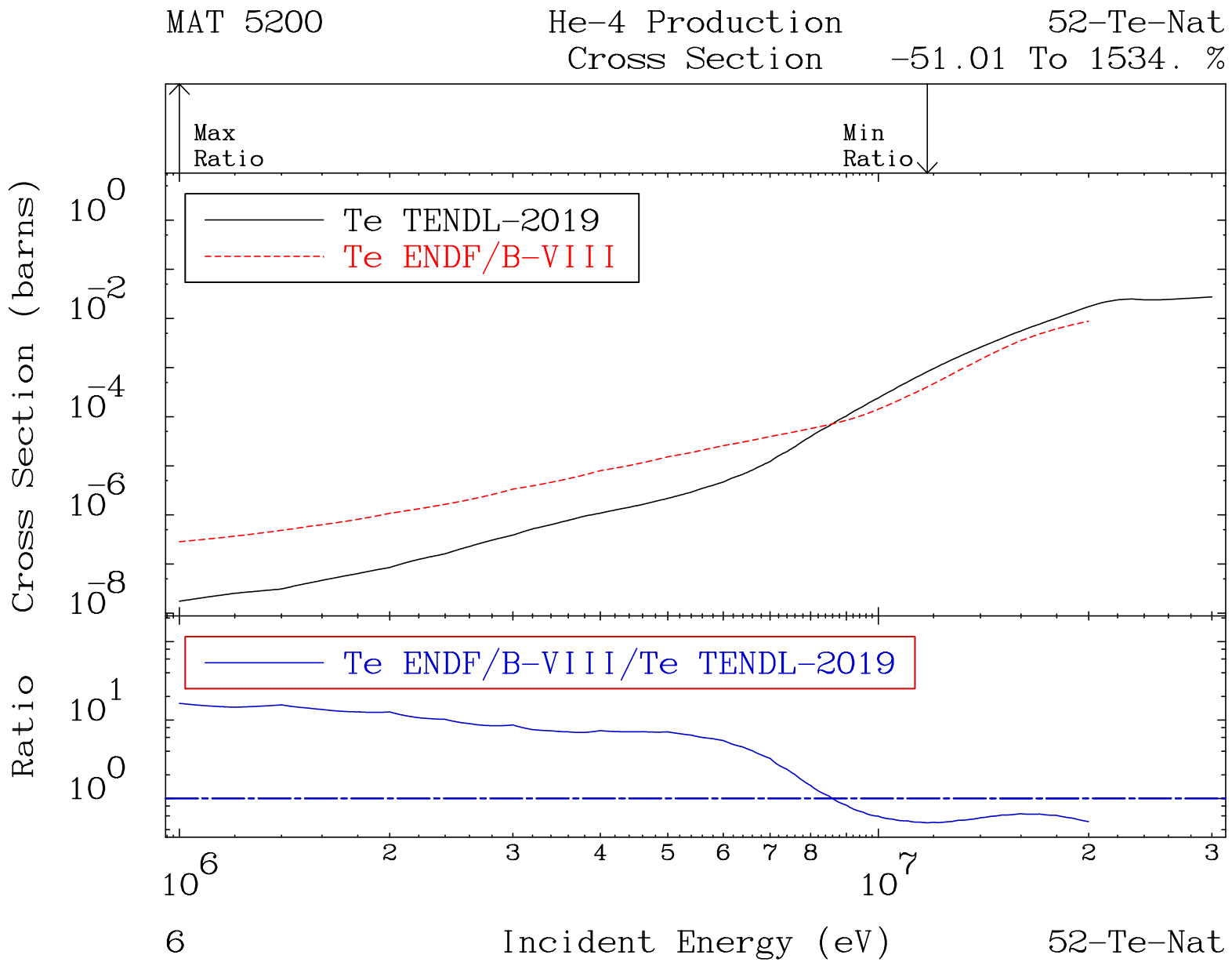

MAT 5200
Total
Cross Section
52-Te-Nat
-93.41 To 831.9 %
Max
Ratio
Min
Ratio
Te TENDL-2019
Te ENDF/B-VIII
Cross Section (barns)
Te ENDF/B-VIII/Te TENDL-2019
Ratio
Incident Energy (eV)
52-Te-Nat

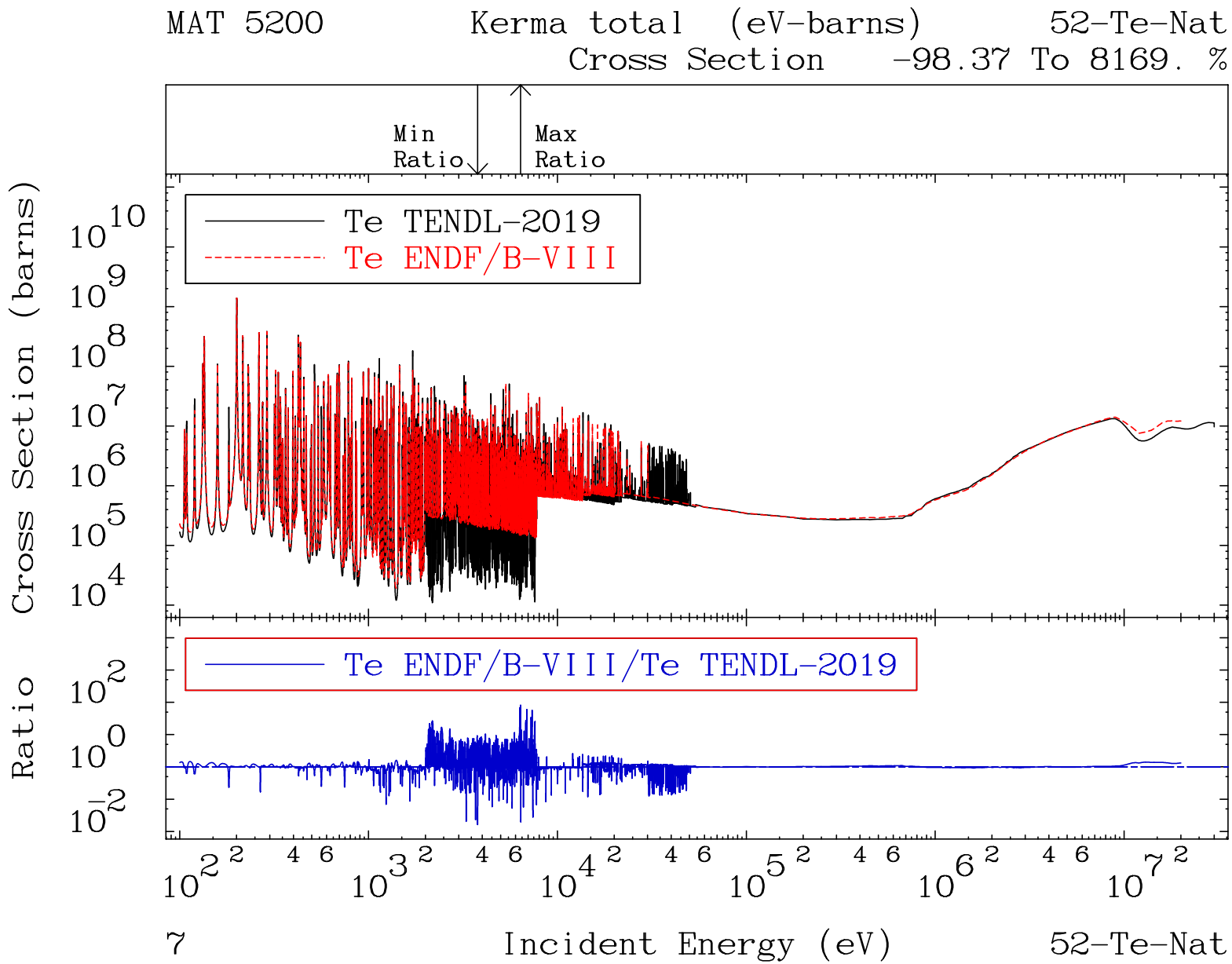

MAT 5200
Hydrogen Production
52-Te-Nat
Cross Section
-100.0 To 95.11 %
Min Ratio
Max Ratio
Te TENDL-2019
Te ENDF/B-VIII Threshold 100.00 keV
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
Te ENDF/B-VIII/Te TENDL-2019
Ratio
10^0
10^-4
10^-8
10^6
2
3
4
5
6
7
8
10^7
2
3
2
Incident Energy (eV)
52-Te-Nat

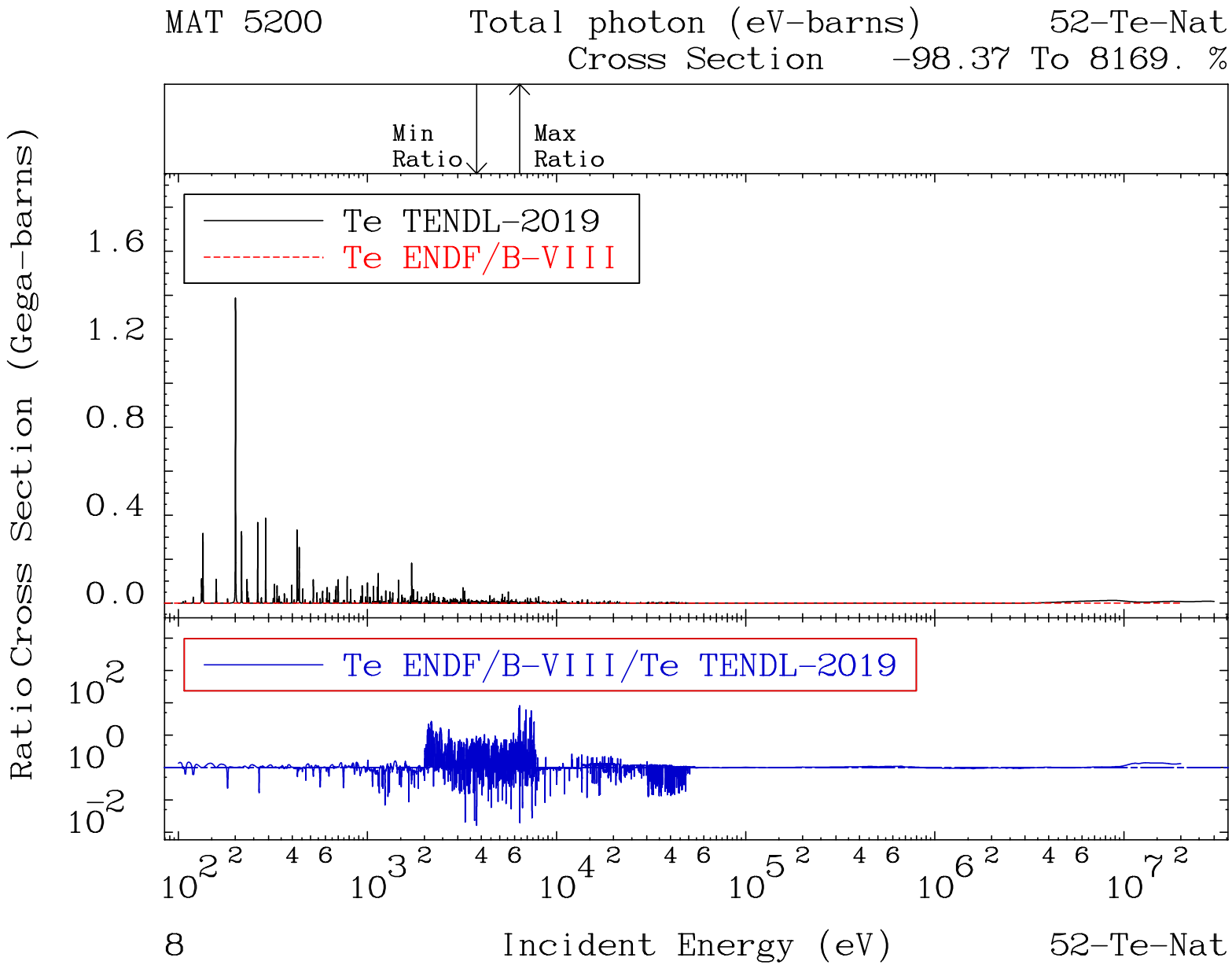

MAT 5200
Deuterium Production
52-Te-Nat
Cross Section
-100.0 To 103.8 %
Min Ratio
Max Ratio
Te TENDL-2019 Threshold 4.9999 MeV
Te ENDF/B-VIII Threshold 6.0000 MeV
Te ENDF/B-VIII/Te TENDL-2019
RatioCross Section (milli-barns)
Incident Energy (MeV)
3
52-Te-Nat

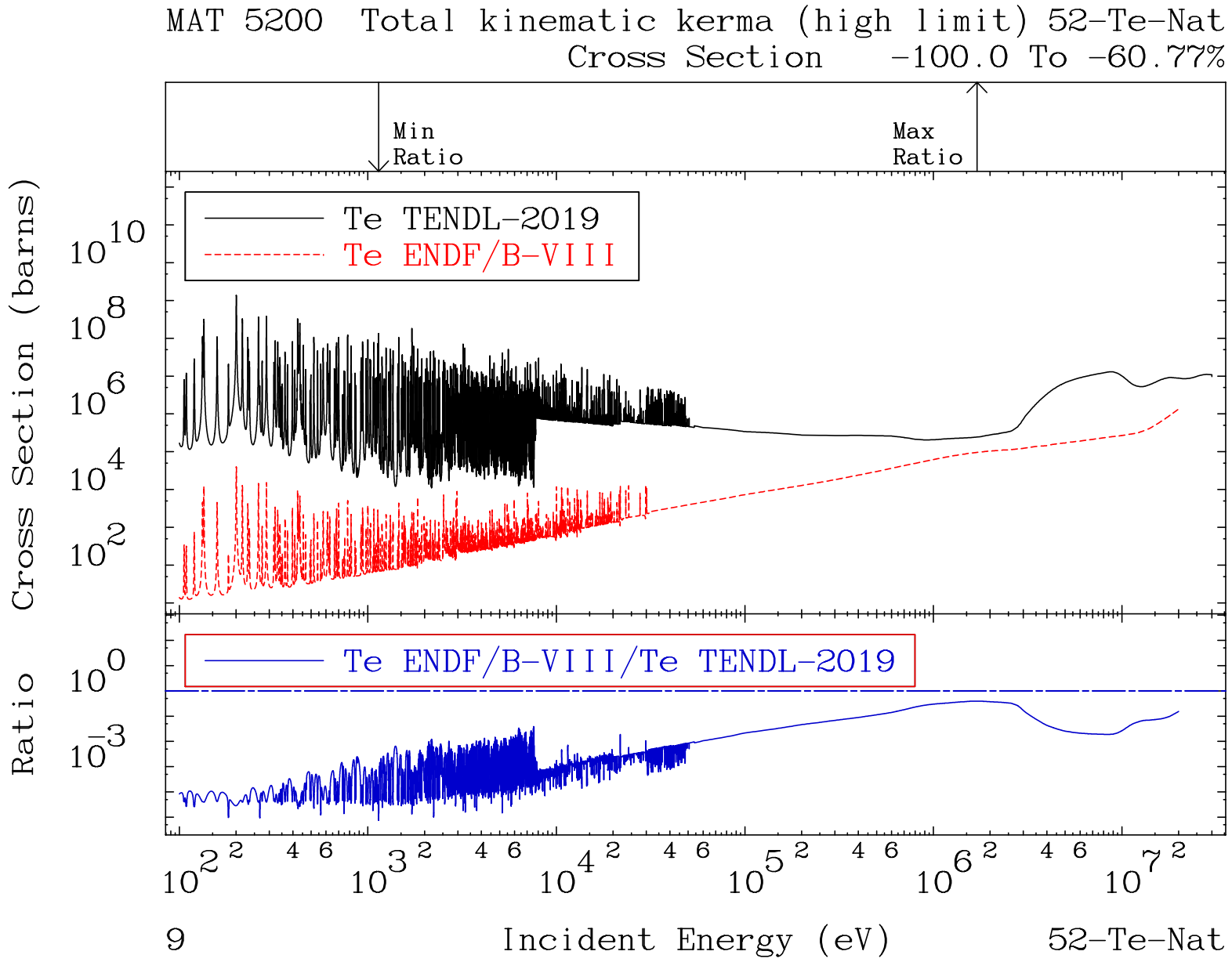

MAT 5200
Tritium Production
Cross Section
52-Te-Nat
-100.0 To 596.8 %
Min
Ratio
Max
Ratio
Te TENDL-2019 Threshold 6.5032 MeV
Te ENDF/B-VIII Threshold 8.1963 MeV
Te ENDF/B-VIII/Te TENDL-2019
RatioCross Section (milli-barns)
0
2
4
6
8
0
4
8
10
15
20
25
30
4
Incident Energy (MeV)
52-Te-Nat

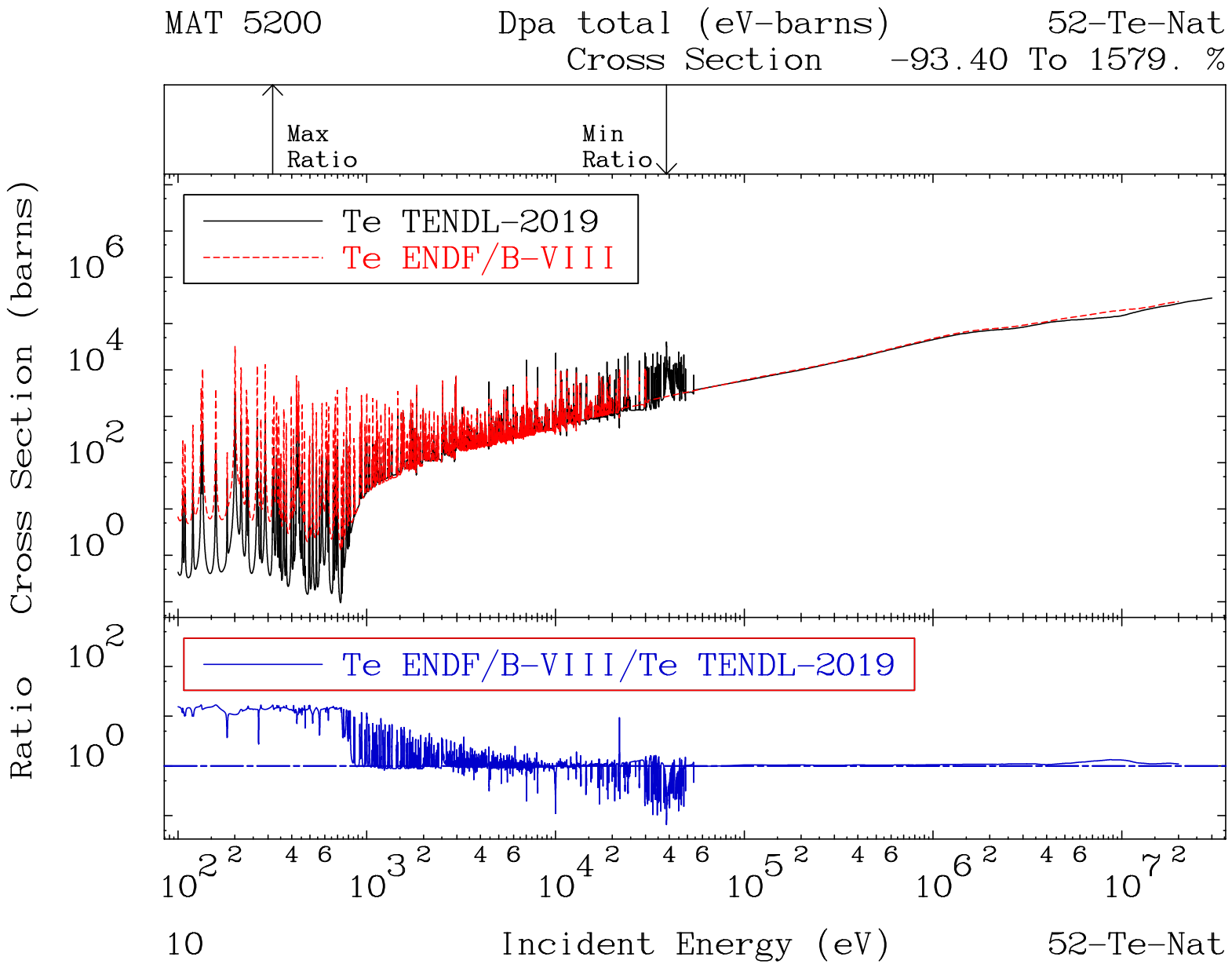

MAT 5200
He-3 Production
Cross Section
52-Te-Nat
-100.0 To 442.9 %
Min
Ratio
Max
Ratio
Te TENDL-2019 Threshold 4.6135 MeV
Te ENDF/B-VIII Threshold 7.2667 MeV
Te ENDF/B-VIII/Te TENDL-2019
RatioCross Section (micro-barns)
500
400
300
200
100
0
8
4
0
5
10
15
20
25
30
5
Incident Energy (MeV)
52-Te-Nat

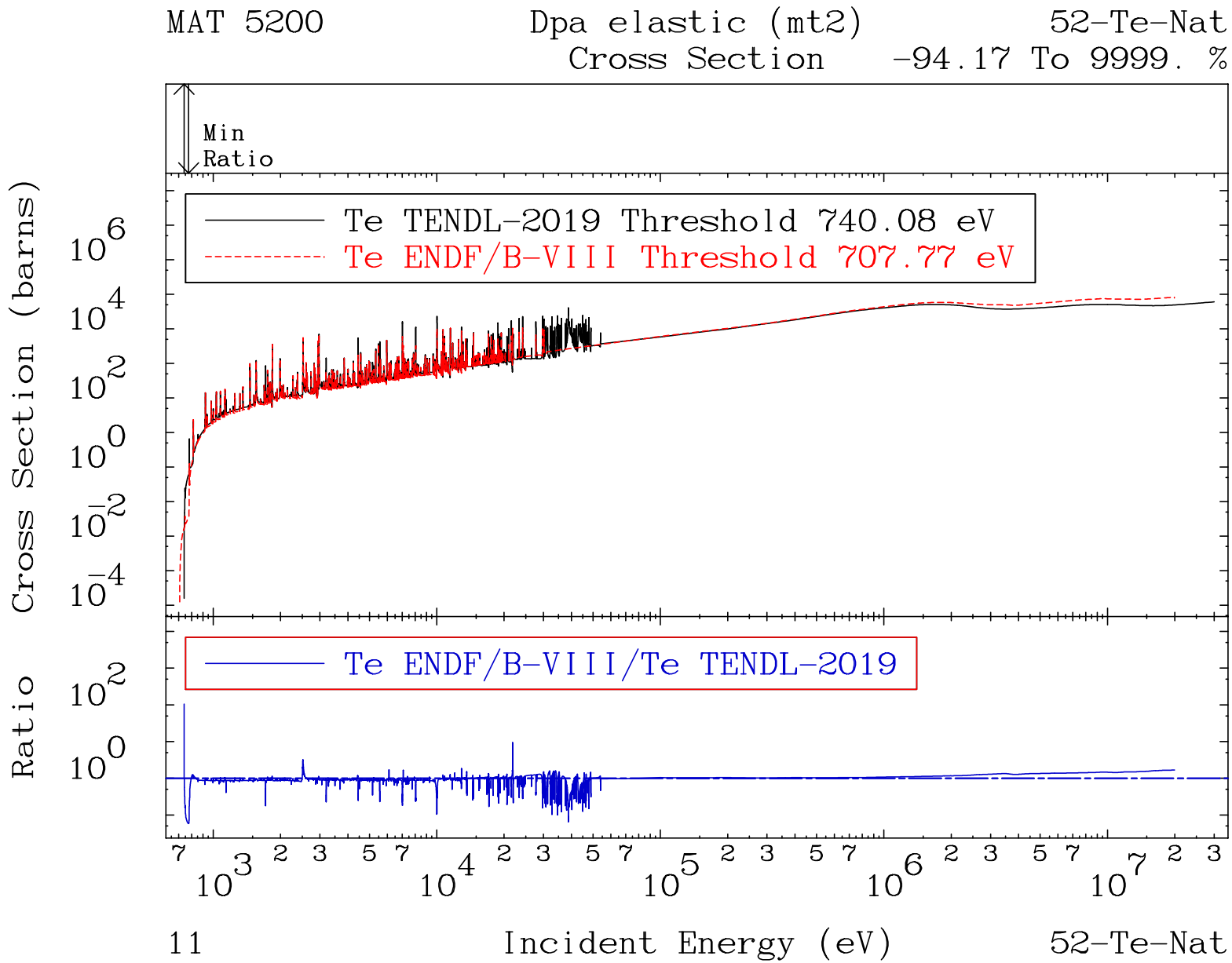

MAT 5200
He-4 Production
Cross Section
52-Te-Nat
-51.01 To 1534. %
Max Ratio
Min Ratio
Te TENDL-2019
Te ENDF/B-VIII
Te ENDF/B-VIII/Te TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
6
52-Te-Nat

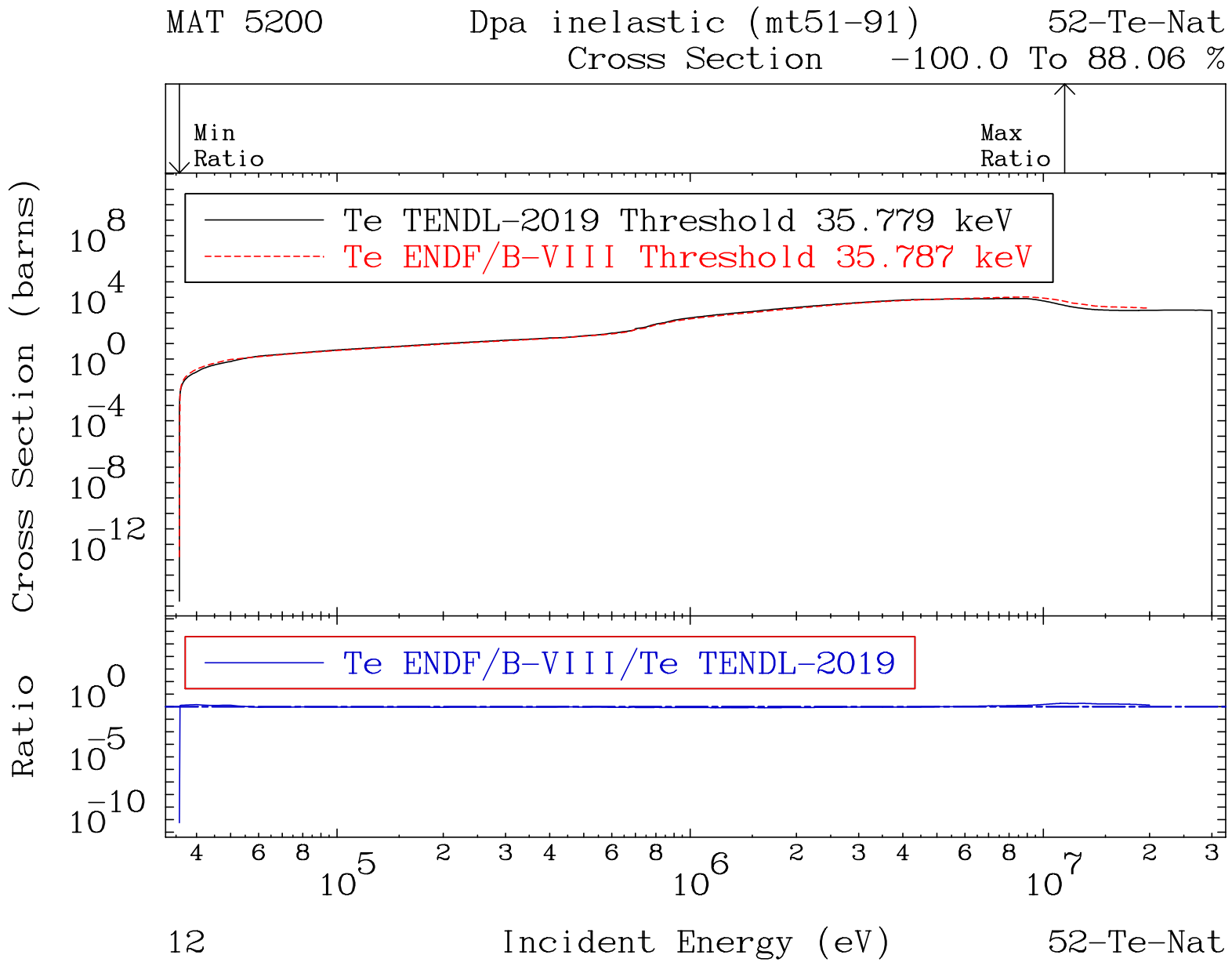

MAT 5200
Kerma total (eV-barns)
52-Te-Nat
Cross Section -98.37 To 8169. %
Min Ratio
Max Ratio
Te TENDL-2019
Te ENDF/B-VIII
Cross Section (barns)
Te ENDF/B-VIII/Te TENDL-2019
Ratio
Incident Energy (eV)
52-Te-Nat
7

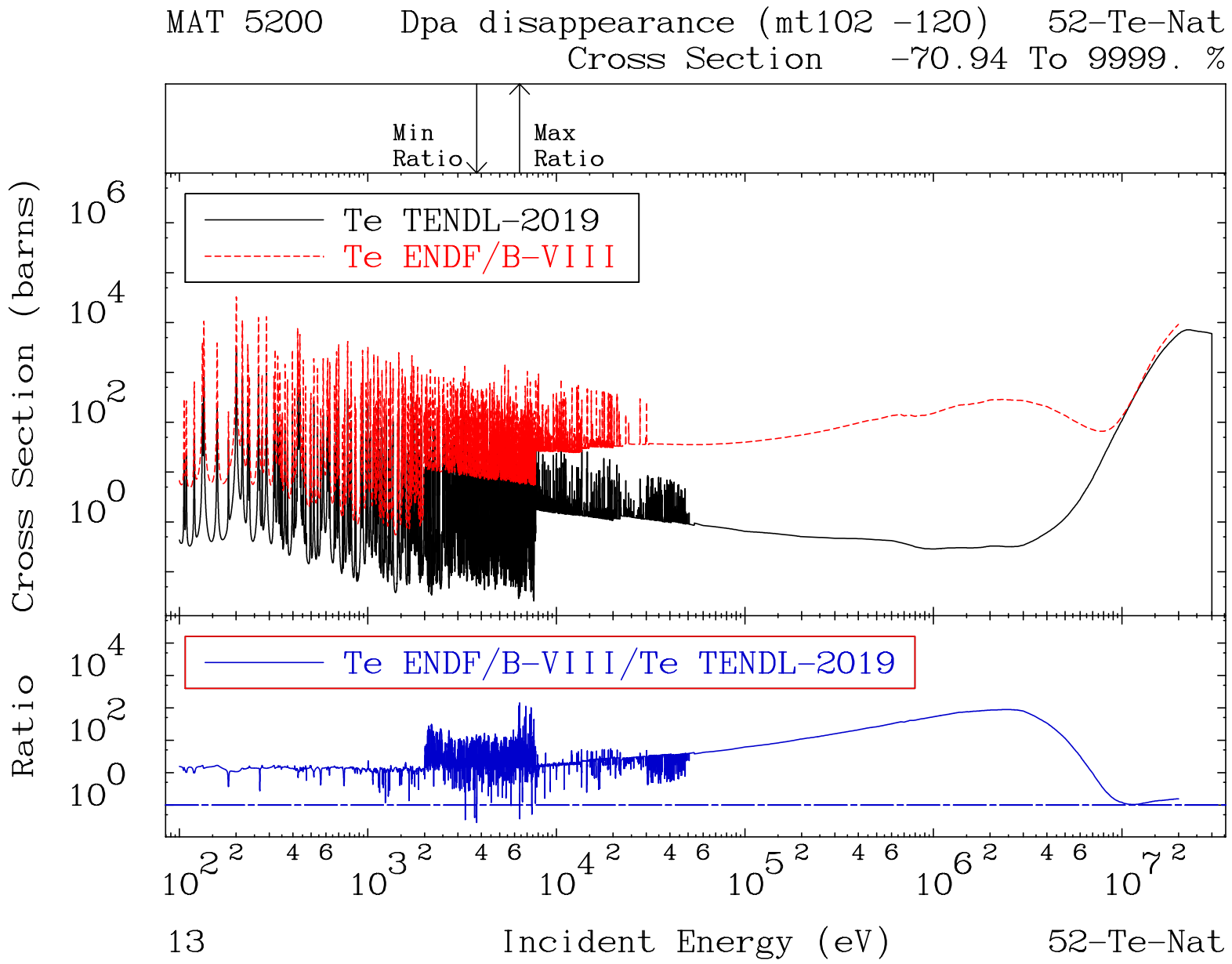

MAT 5200
Total photon (eV-barns)
52-Te-Nat
Cross Section -98.37 To 8169. %
Min Ratio
Max Ratio
Te TENDL-2019
Te ENDF/B-VIII
Te ENDF/B-VIII/Te TENDL-2019
Ratio Cross Section (Giga-barns)
1.6
1.2
0.8
0.4
0.0
10^2
10^0
10^-2
10^2 2 4 6 10^3 2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2
8
Incident Energy (eV)
52-Te-Nat


MAT 5200 Total kinematic kerma (high limit) 52-Te-Nat
Cross Section -100.0 To -60.77%
Min Ratio
Max Ratio
Te TENDL-2019
Te ENDF/B-VIII
Te ENDF/B-VIII/Te TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
52-Te-Nat


MAT 5200
Dpa total (eV-barns)
52-Te-Nat
Cross Section -93.40 To 1579. %
Max Ratio
Min Ratio
Te TENDL-2019
Te ENDF/B-VIII
Te ENDF/B-VIII/Te TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
52-Te-Nat


MAT 5200
Dpa elastic (mt2)
Cross Section
52-Te-Nat
-94.17 To 9999. %
Min
Ratio
Te TENDL-2019 Threshold 740.08 eV
Te ENDF/B-VIII Threshold 707.77 eV
Te ENDF/B-VIII/Te TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
11
52-Te-Nat


MAT 5200
Dpa inelastic (mt51-91)
52-Te-Nat
Cross Section
-100.0 To 88.06 %
Min Ratio
Max Ratio
Te TENDL-2019 Threshold 35.779 keV
Te ENDF/B-VIII Threshold 35.787 keV
Te ENDF/B-VIII/Te TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
12
52-Te-Nat


MAT 5200 Dpa disappearance (mt102 -120) 52-Te-Nat
Cross Section -70.94 To 9999. %
Min Ratio
Max Ratio
Te TENDL-2019
Te ENDF/B-VIII
Te ENDF/B-VIII/Te TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
13
52-Te-Nat