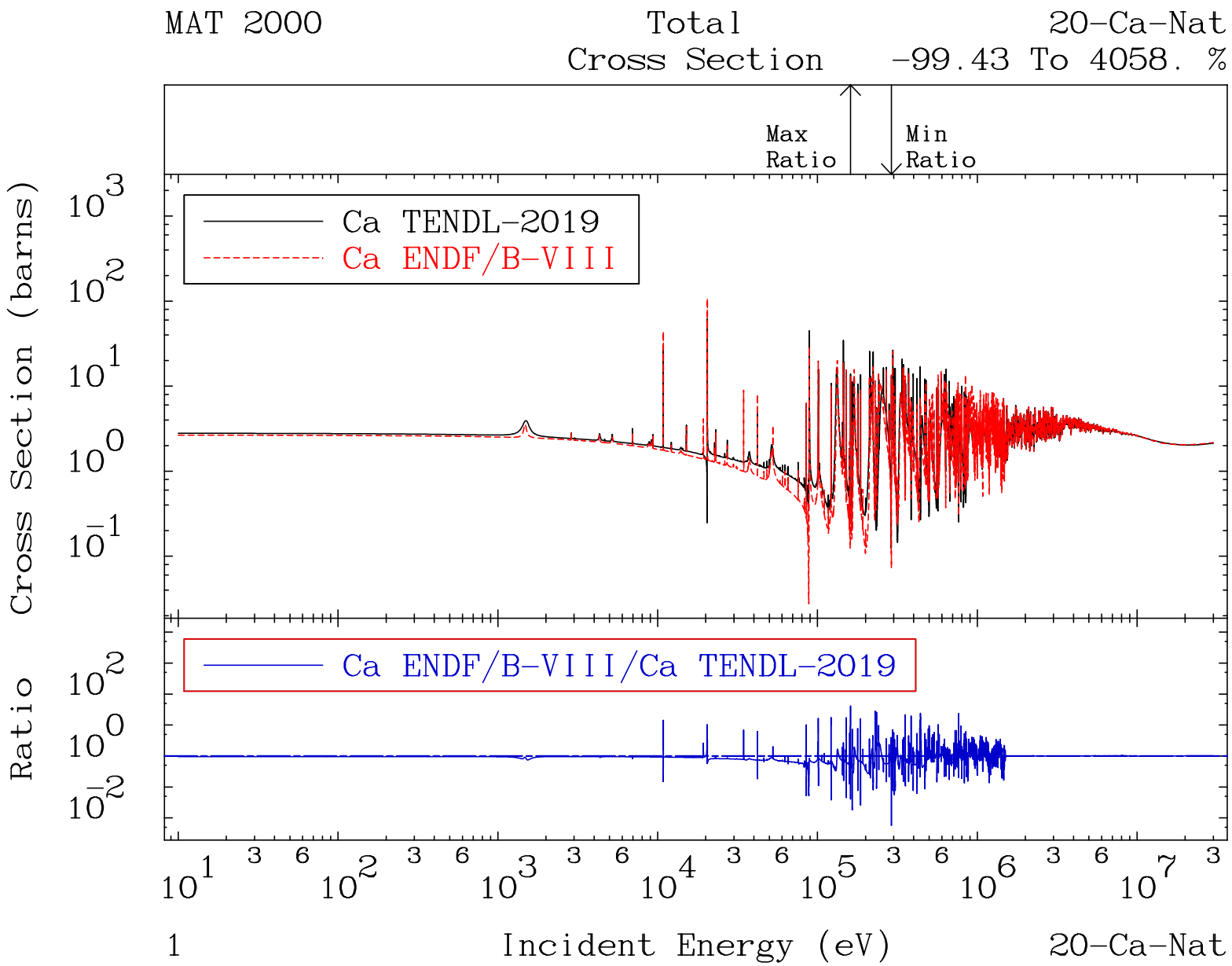
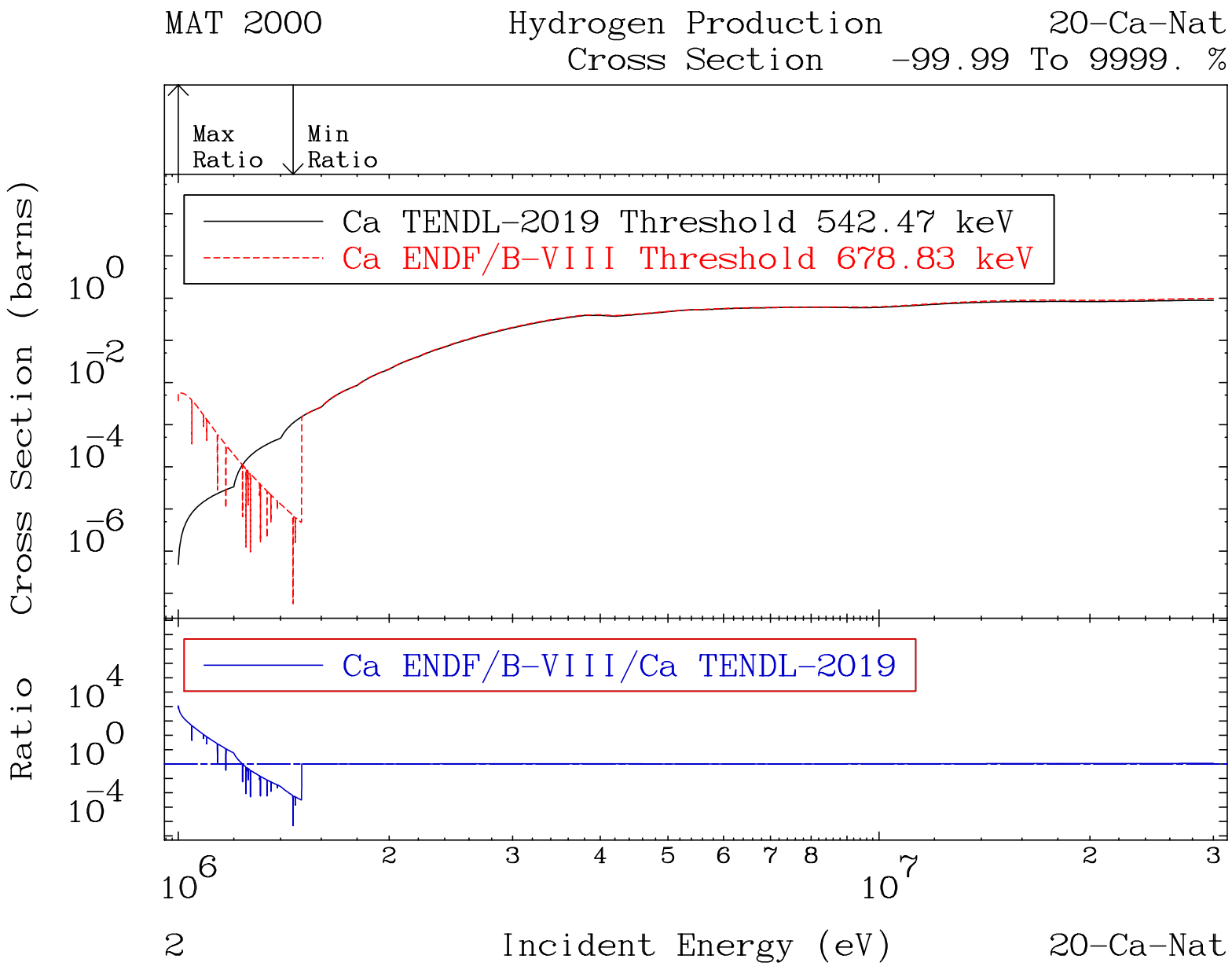
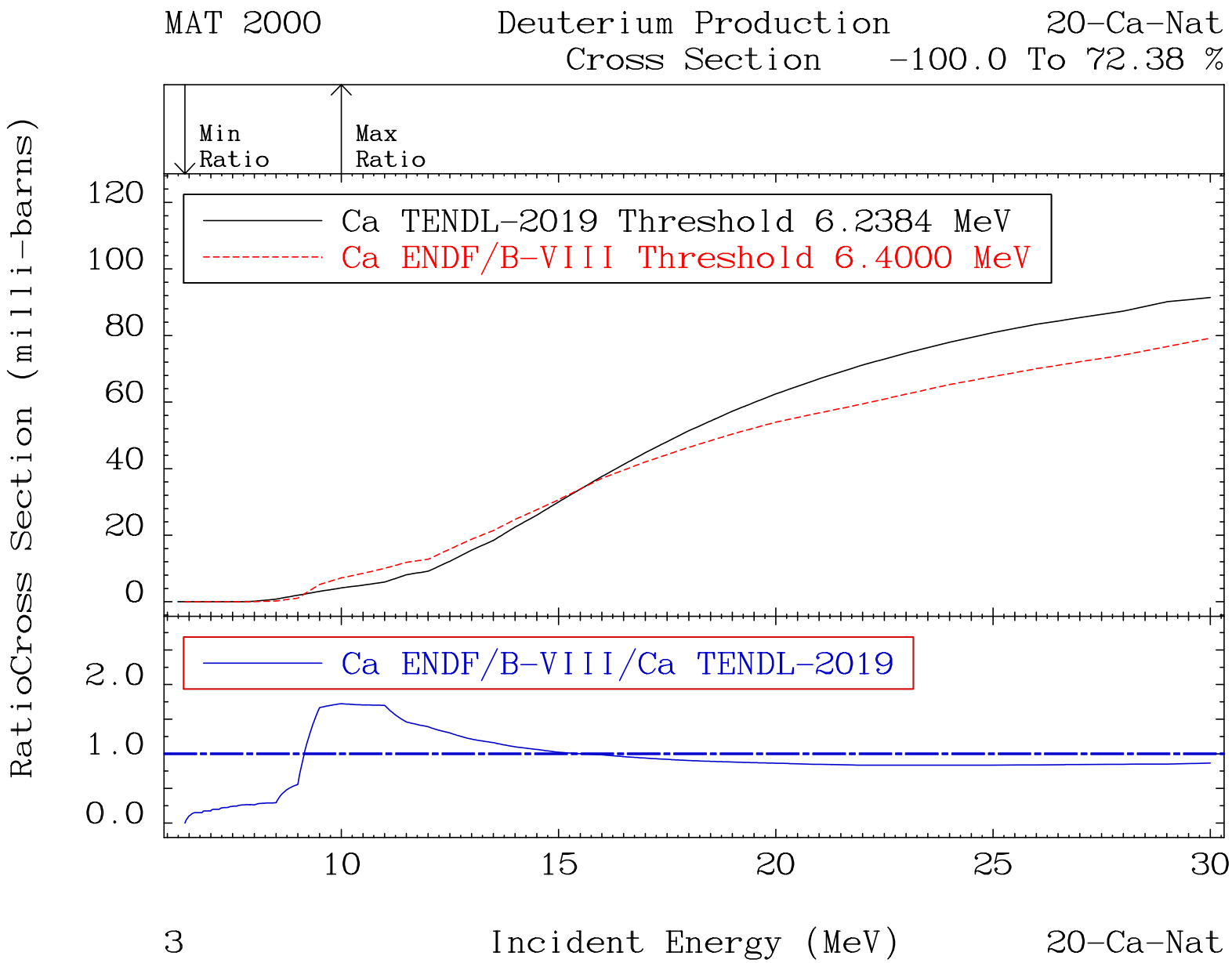
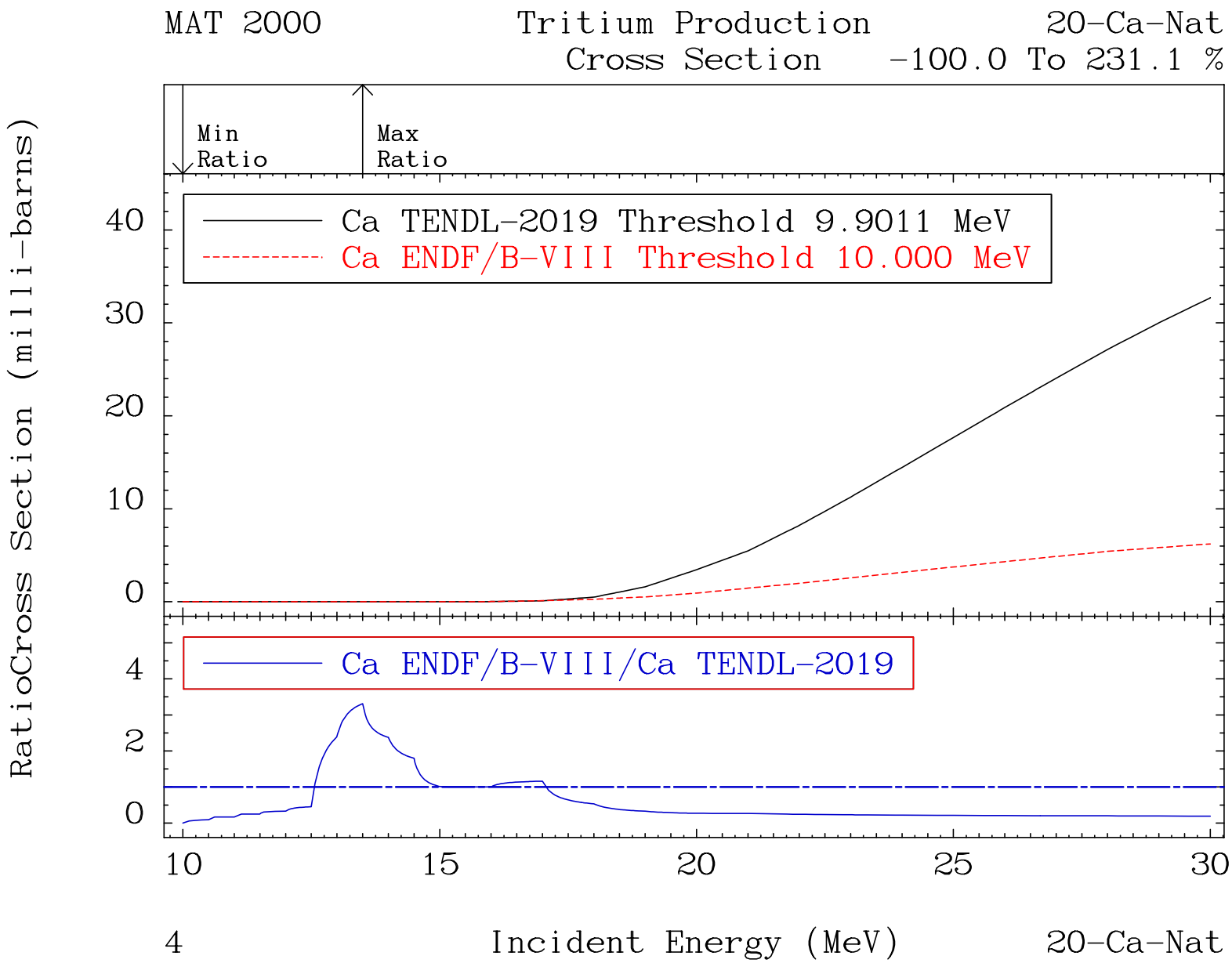
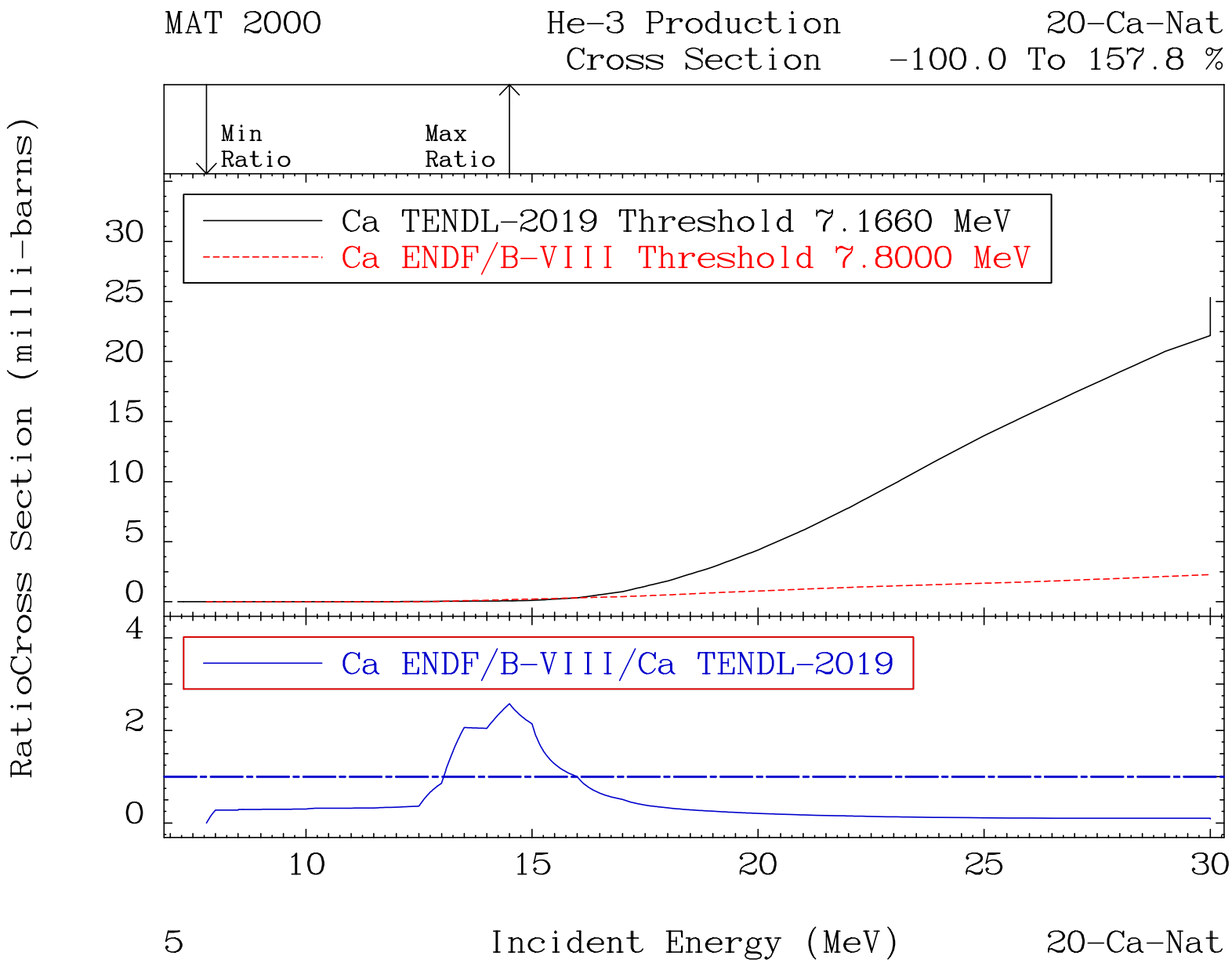
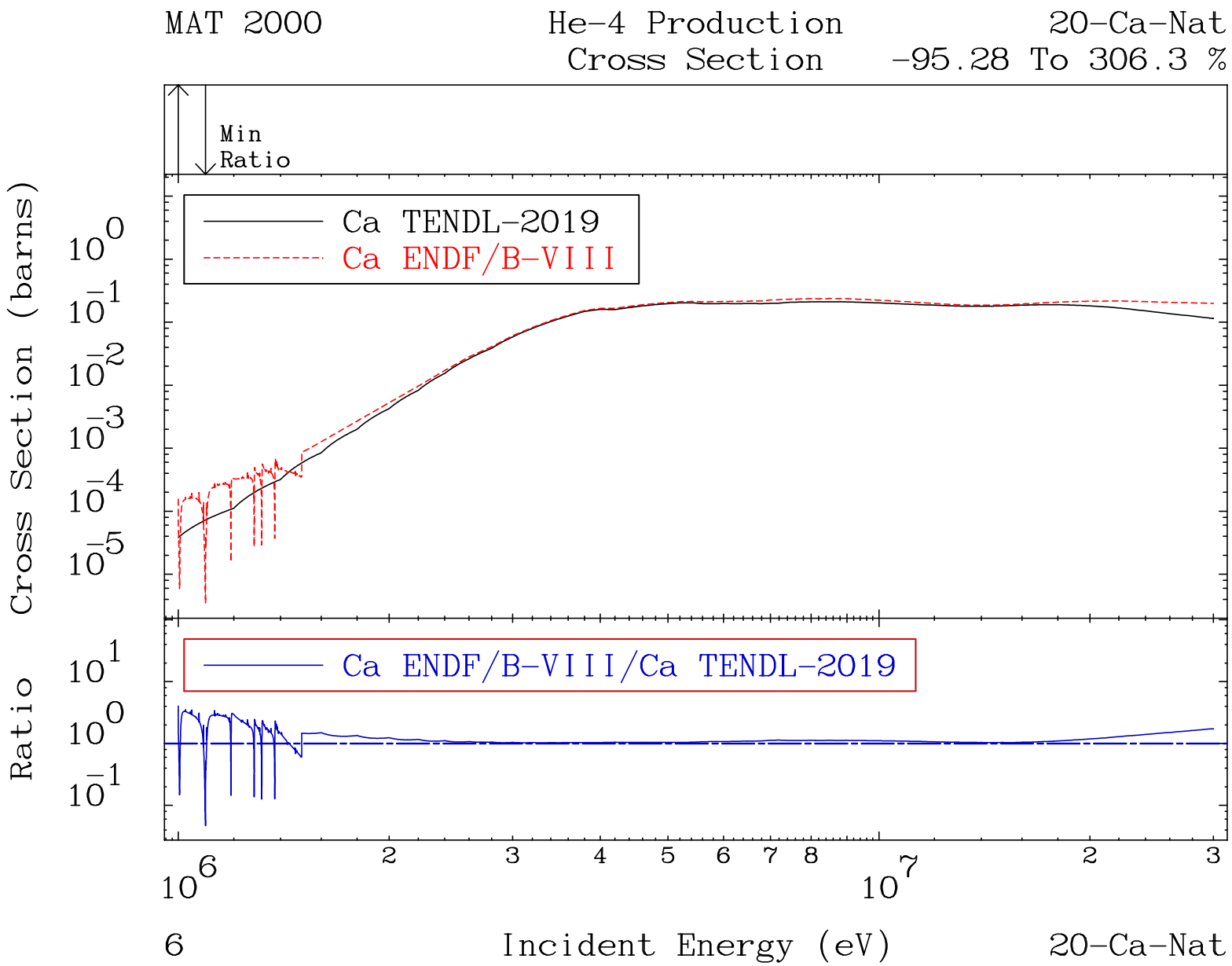

MAT 2000
Total
Cross Section
20-Ca-Nat
-99.43 To 4058. %
Max
Ratio
Min
Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
1
20-Ca-Nat

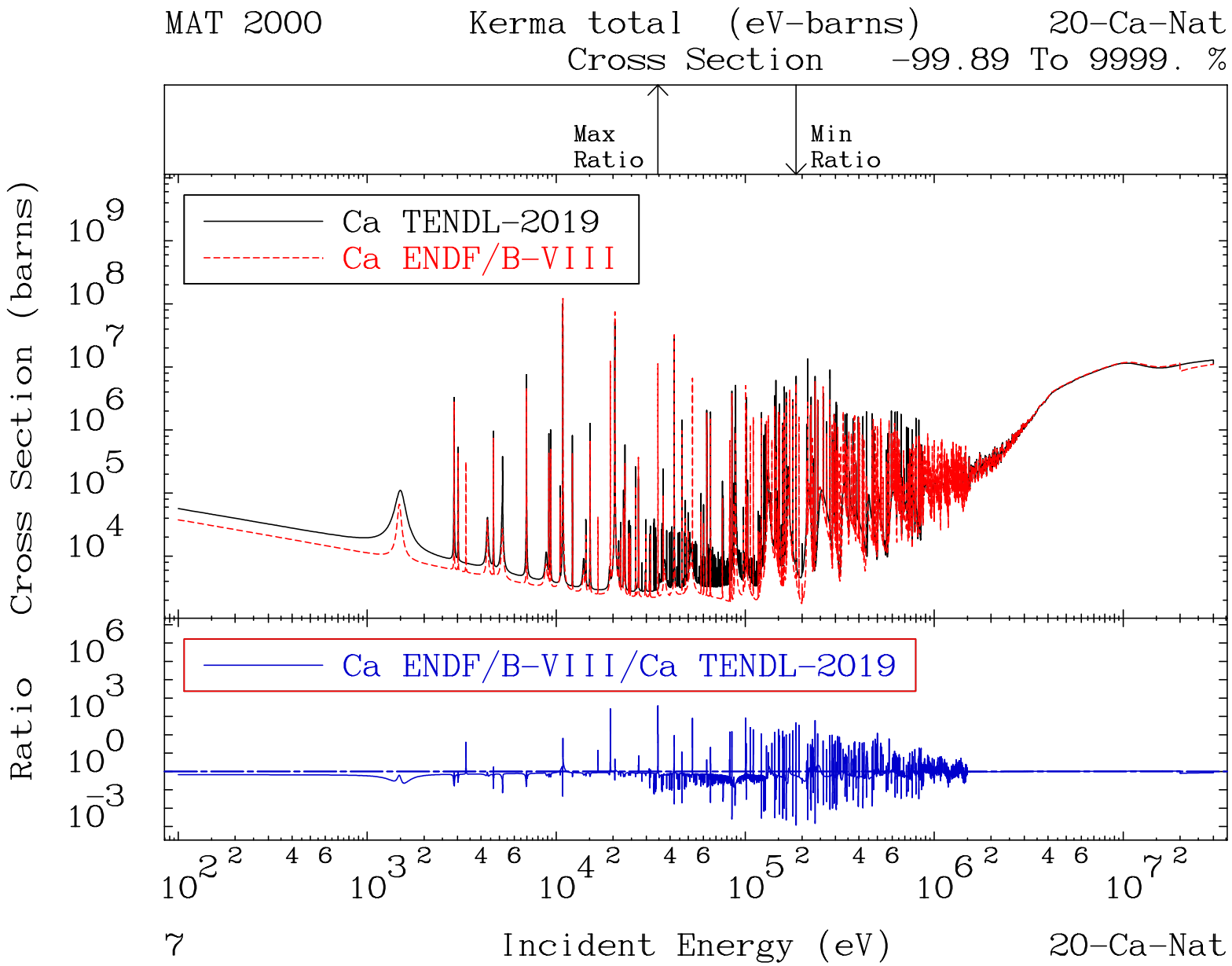

MAT 2000
Hydrogen Production
Cross Section
20-Ca-Nat
-99.99 To 9999. %
Max Ratio
Min Ratio
Ca TENDL-2019 Threshold 542.47 keV
Ca ENDF/B-VIII Threshold 678.83 keV
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
20-Ca-Nat

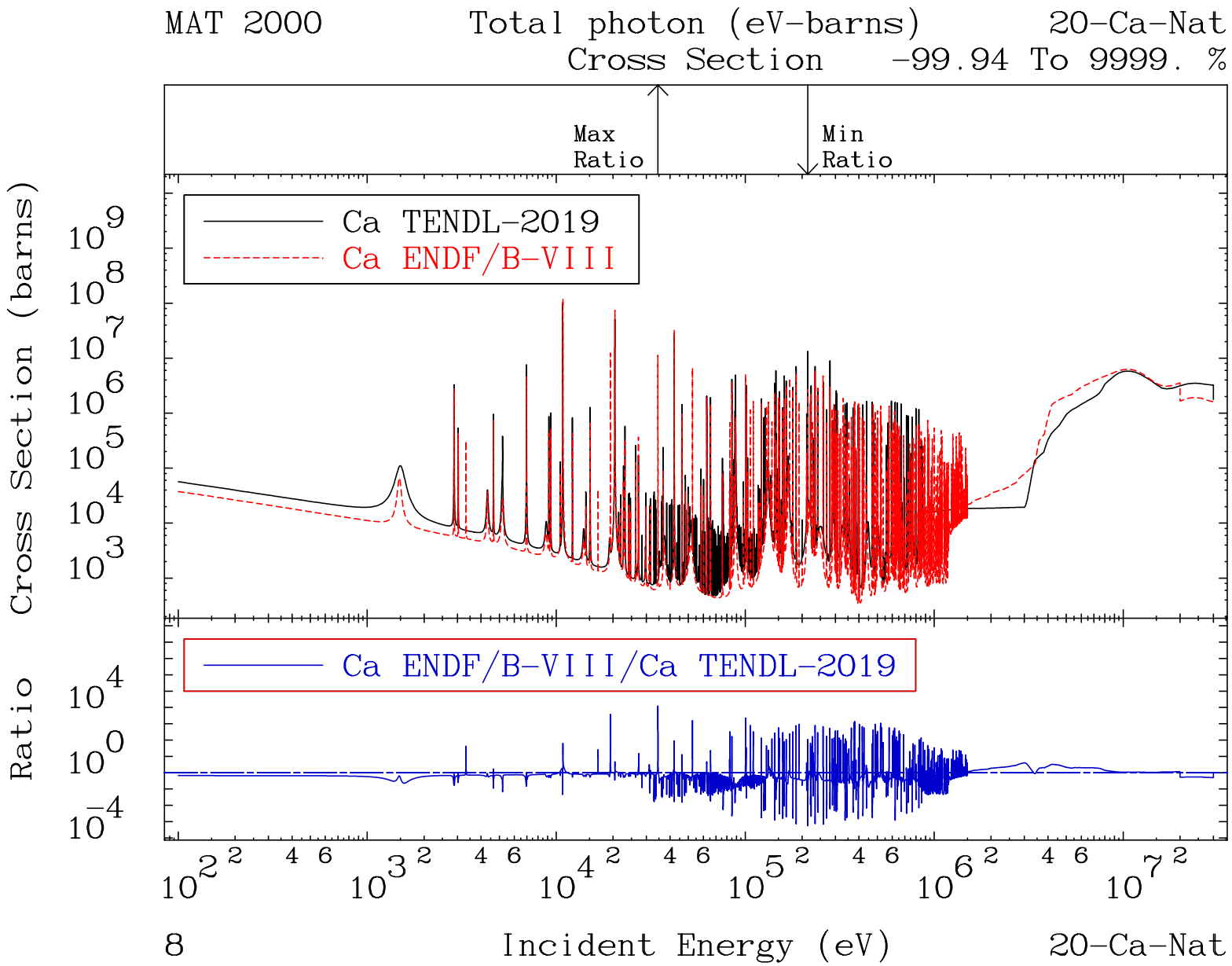

MAT 2000
Deuterium Production
Cross Section
20-Ca-Nat
-100.0 To 72.38 %
Min Ratio
Max Ratio
Ca TENDL-2019 Threshold 6.2384 MeV
Ca ENDF/B-VIII Threshold 6.4000 MeV
Ca ENDF/B-VIII/Ca TENDL-2019
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
10
15
20
25
30
3
Incident Energy (MeV)
20-Ca-Nat

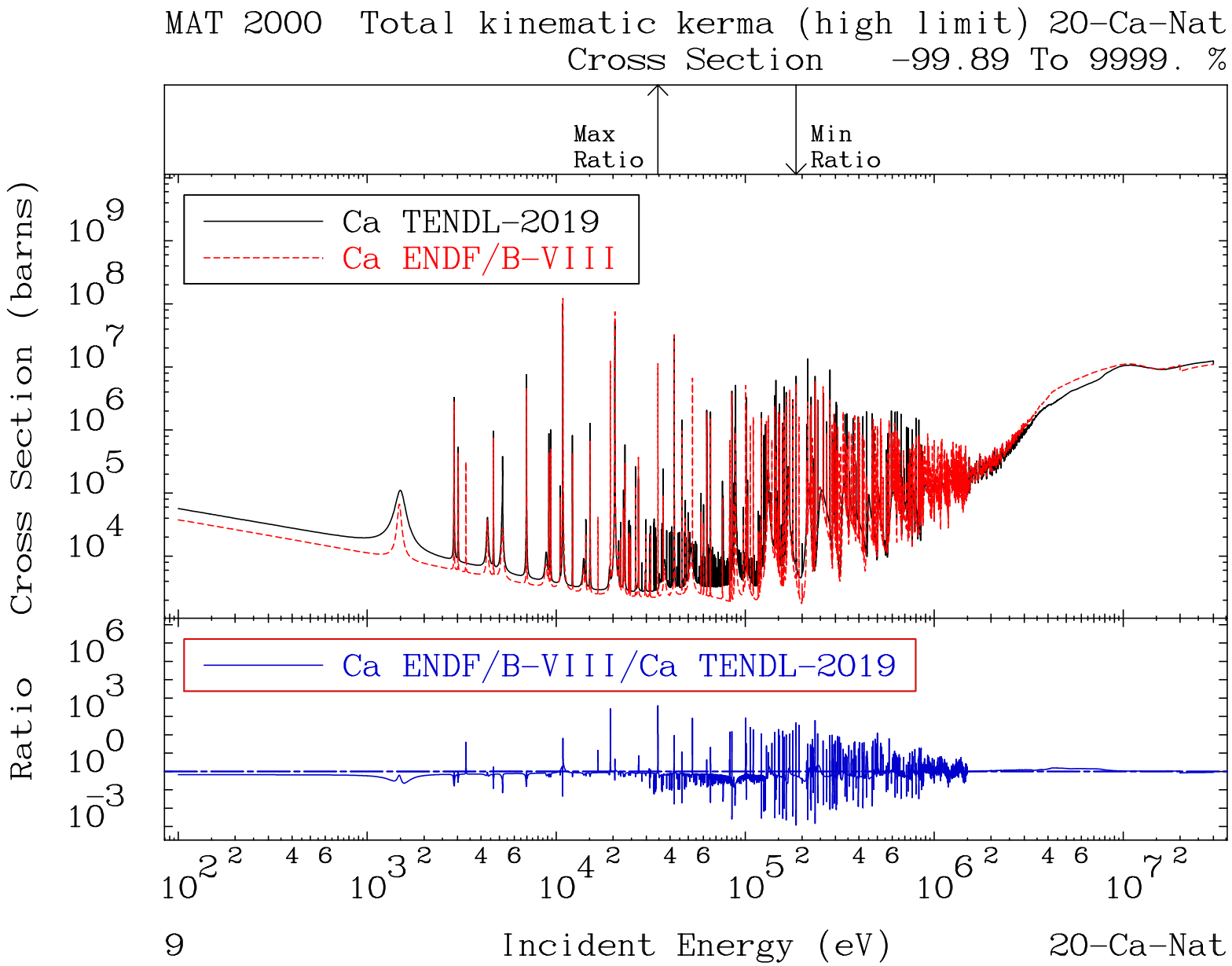

MAT 2000
Tritium Production
Cross Section
20-Ca-Nat
-100.0 To 231.1 %
Min Ratio
Max Ratio
Ca TENDL-2019 Threshold 9.9011 MeV
Ca ENDF/B-VIII Threshold 10.000 MeV
Ca ENDF/B-VIII/Ca TENDL-2019
RatioCross Section (milli-barns)
Incident Energy (MeV)
20-Ca-Nat
4

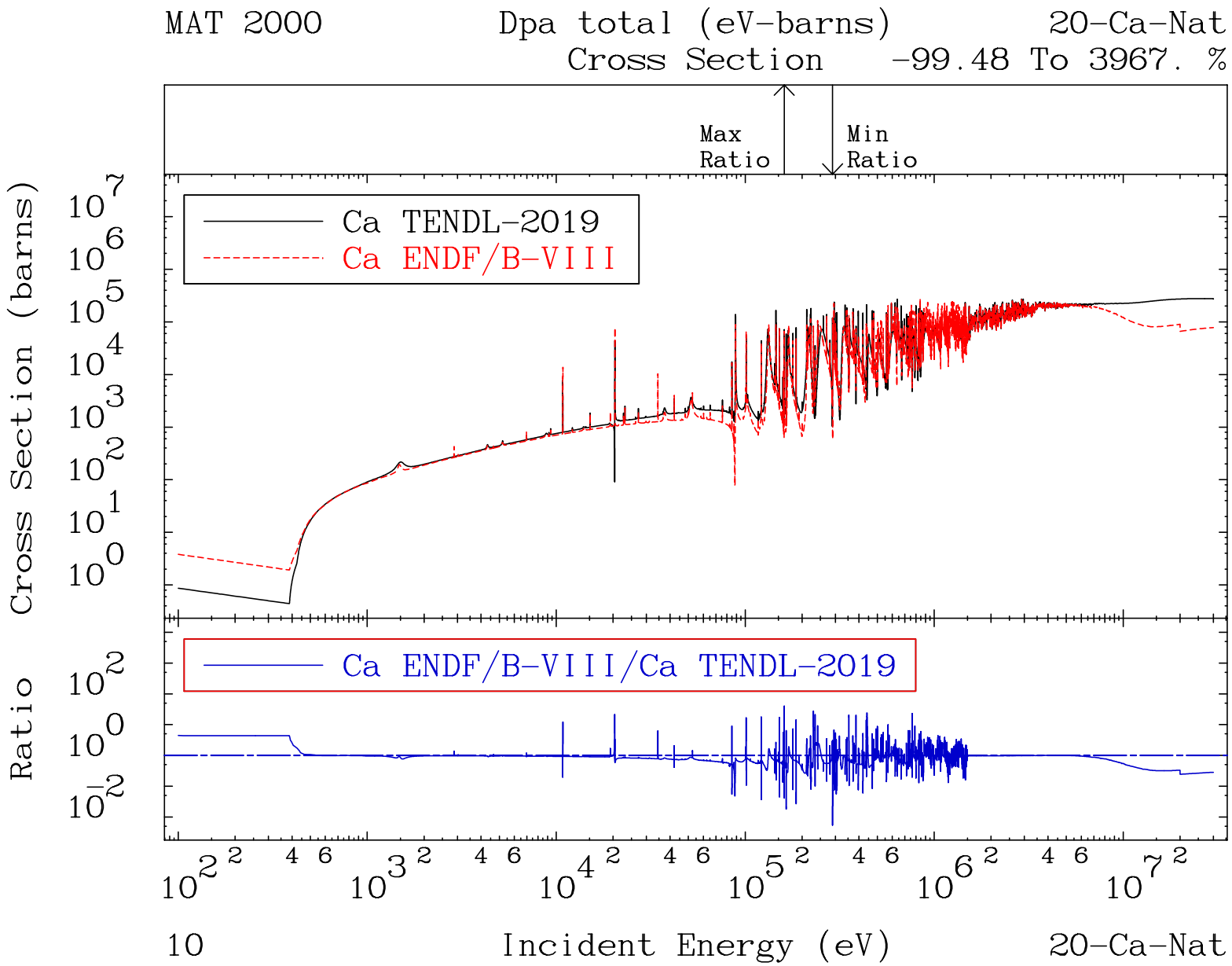

MAT 2000
He-3 Production
Cross Section
20-Ca-Nat
-100.0 To 157.8 %
Min
Ratio
Max
Ratio
Ca TENDL-2019 Threshold 7.1660 MeV
Ca ENDF/B-VIII Threshold 7.8000 MeV
Ca ENDF/B-VIII/Ca TENDL-2019
RatioCross Section (milli-barns)
Incident Energy (MeV)
20-Ca-Nat
5

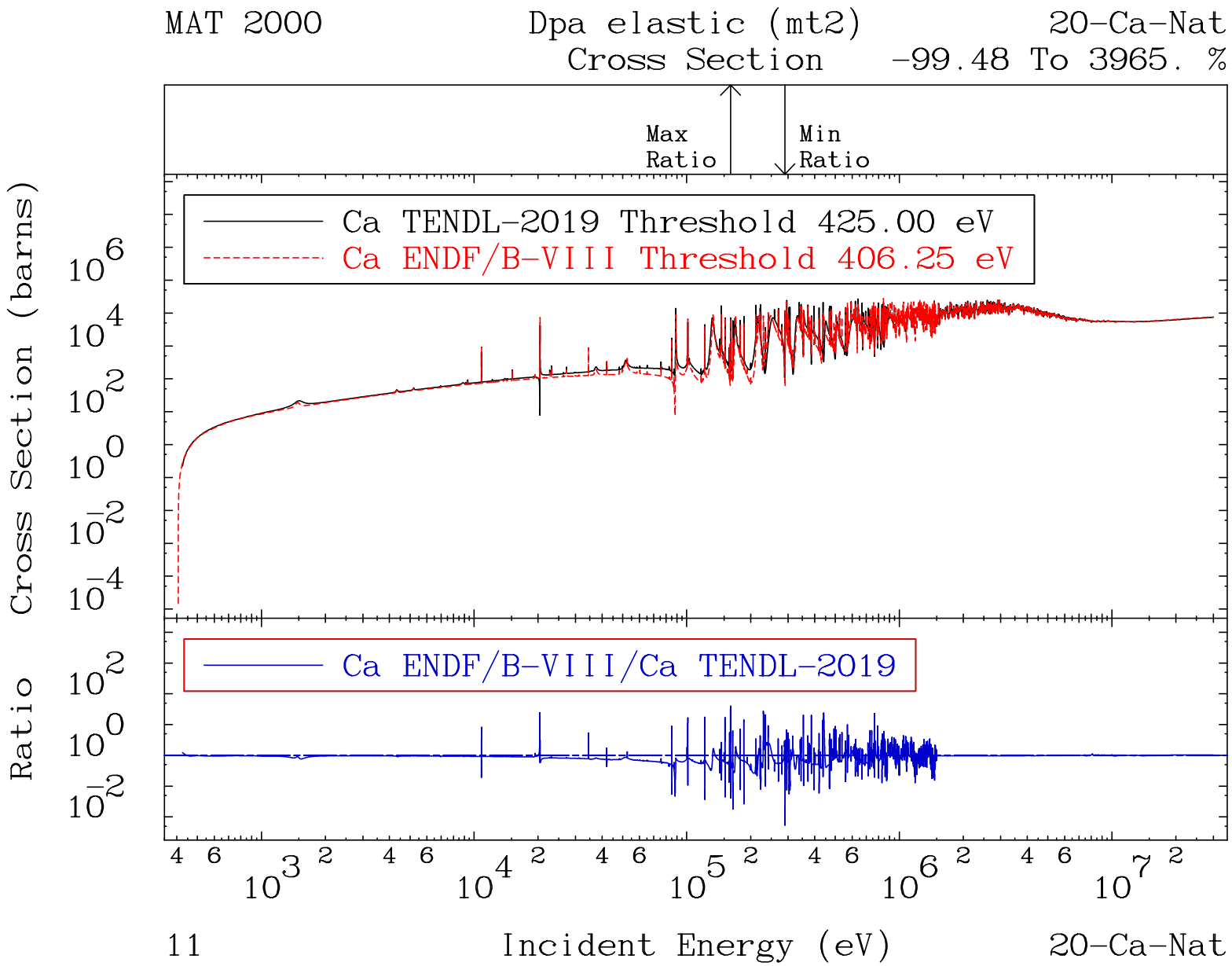

MAT 2000
He-4 Production
Cross Section
20-Ca-Nat
-95.28 To 306.3 %
Min
Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
6
20-Ca-Nat

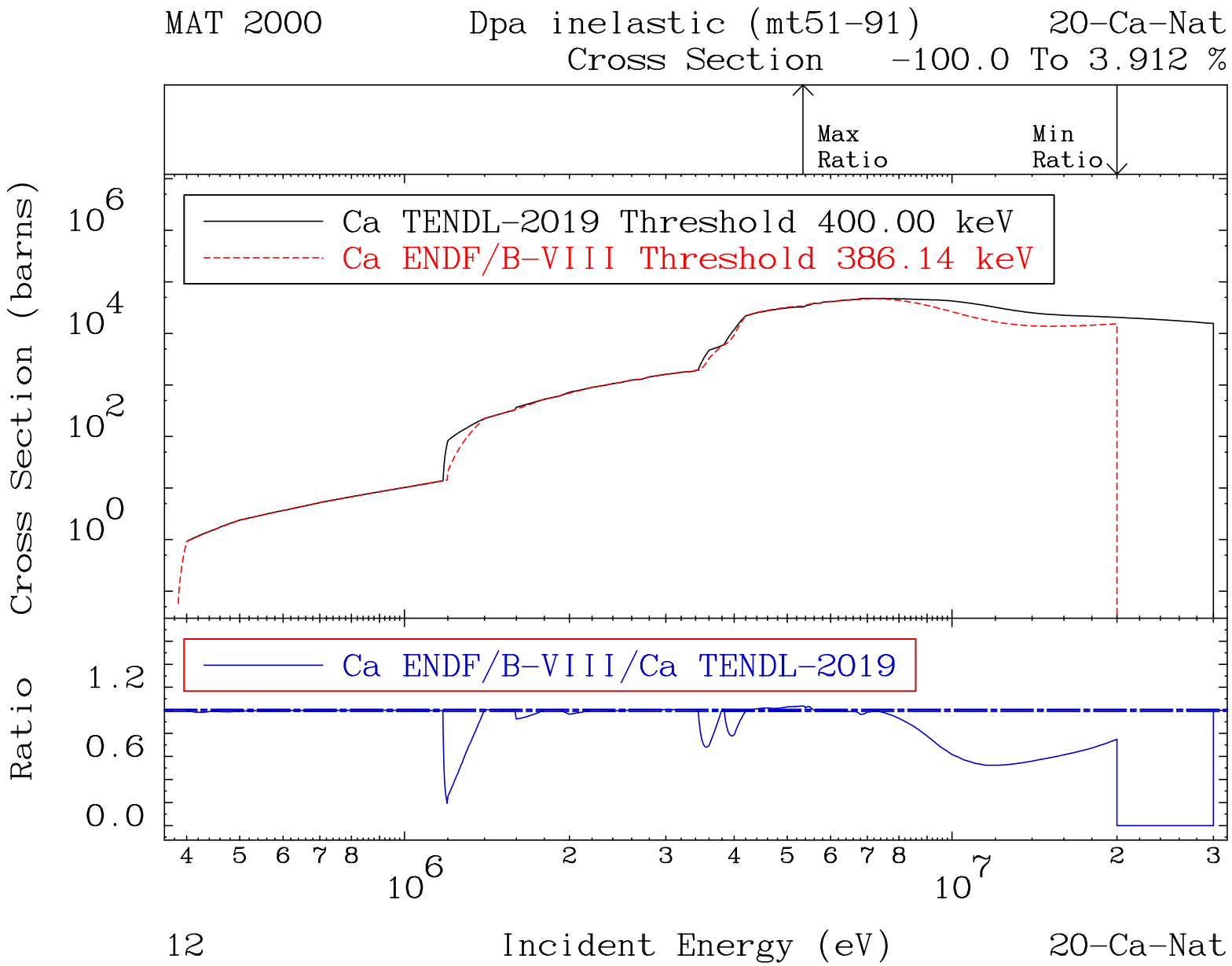

MAT 2000
Kerma total (eV-barns)
20-Ca-Nat
Cross Section -99.89 To 9999. %
Max Ratio
Min Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
7
20-Ca-Nat

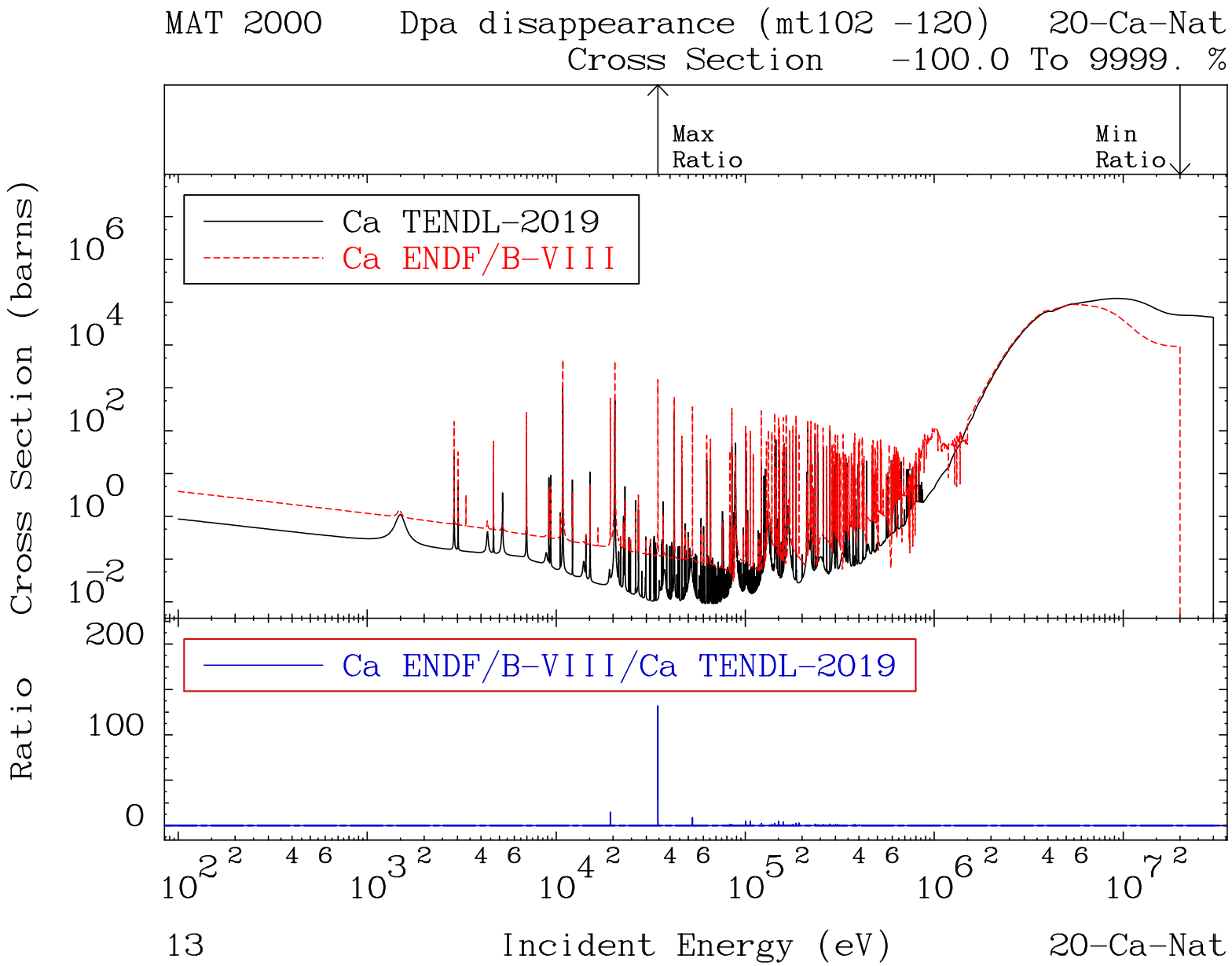

MAT 2000
Total photon (eV-barns)
Cross Section
20-Ca-Nat
-99.94 To 9999. %
Max Ratio
Min Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
8
20-Ca-Nat


MAT 2000 Total kinematic kerma (high limit) 20-Ca-Nat
Cross Section -99.89 To 9999. %
Max Ratio
Min Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Ca ENDF/B-VIII/Ca TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
20-Ca-Nat


MAT 2000
Dpa total (eV-barns)
Cross Section
20-Ca-Nat
-99.48 To 3967. %
Max Ratio
Min Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
10
20-Ca-Nat


MAT 2000
Dpa elastic (mt2)
Cross Section
20-Ca-Nat
-99.48 To 3965. %
Max Ratio
Min Ratio
Ca TENDL-2019 Threshold 425.00 eV
Ca ENDF/B-VIII Threshold 406.25 eV
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
11
20-Ca-Nat


MAT 2000
Dpa inelastic (mt51-91)
Cross Section
20-Ca-Nat
-100.0 To 3.912 %
Max Ratio
Min Ratio
Ca TENDL-2019 Threshold 400.00 keV
Ca ENDF/B-VIII Threshold 386.14 keV
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
12
20-Ca-Nat


MAT 2000 Dpa disappearance (mt102 -120) 20-Ca-Nat
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
Ca TENDL-2019
Ca ENDF/B-VIII
Cross Section (barns)
Ca ENDF/B-VIII/Ca TENDL-2019
Ratio
Incident Energy (eV)
13
20-Ca-Nat