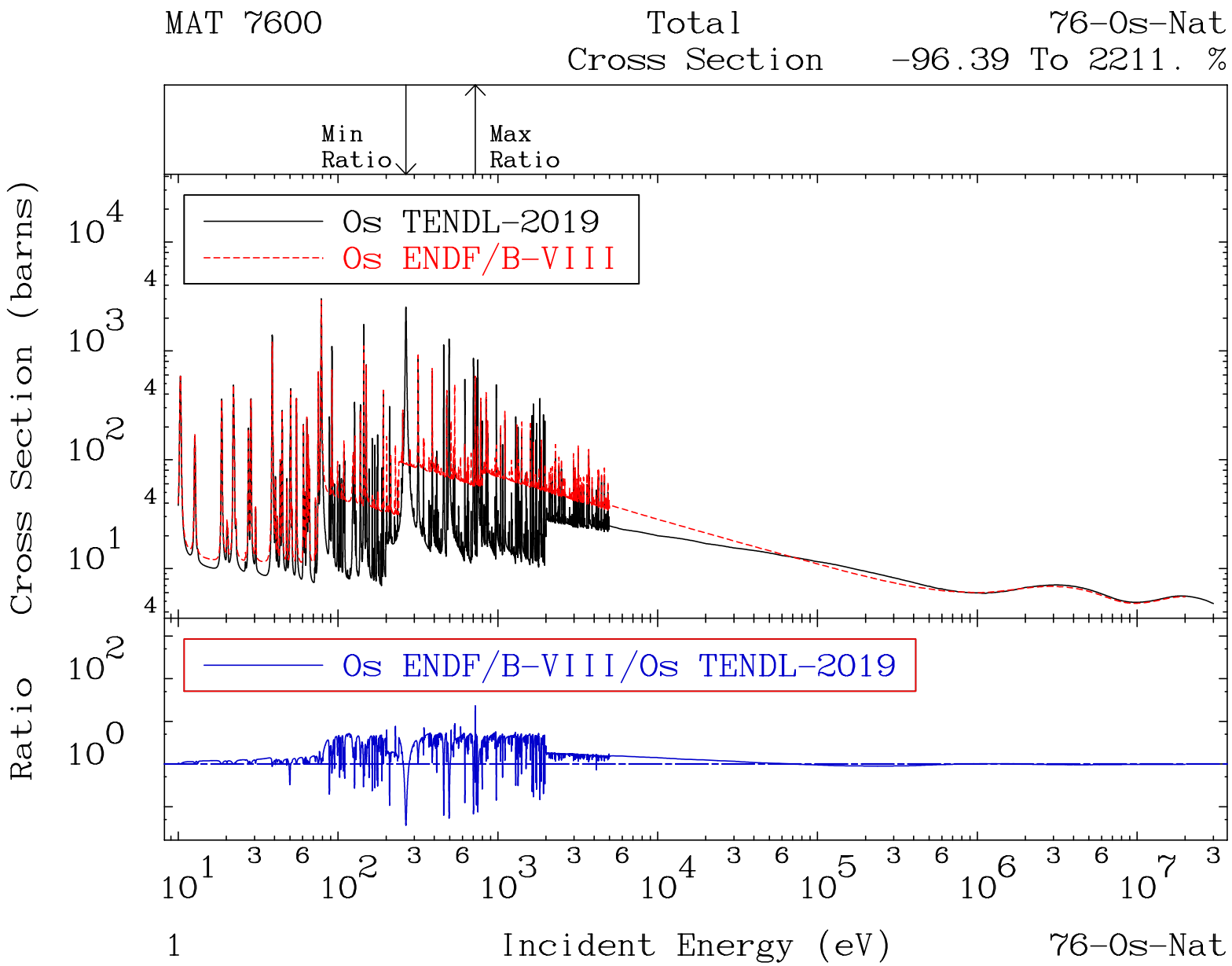
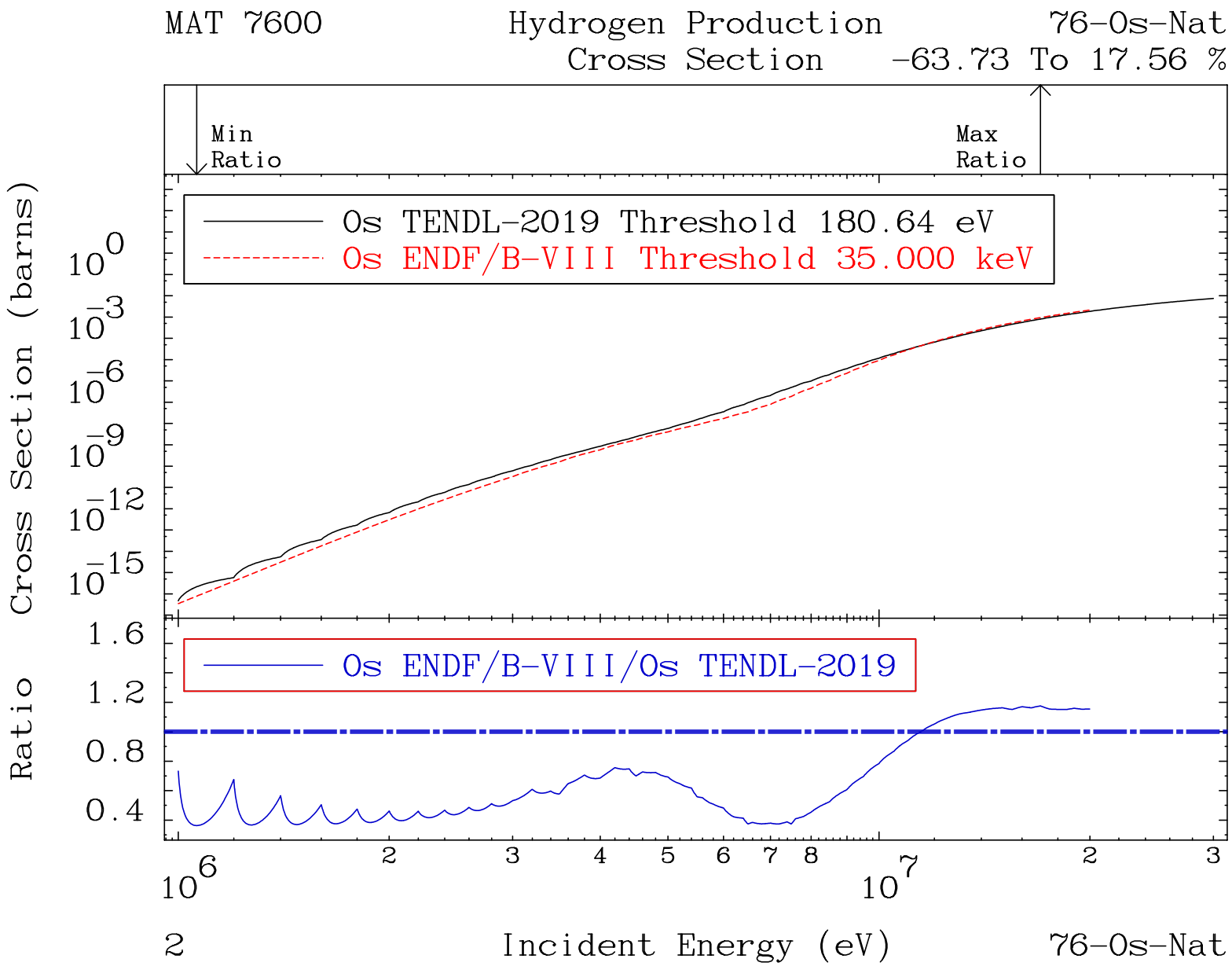
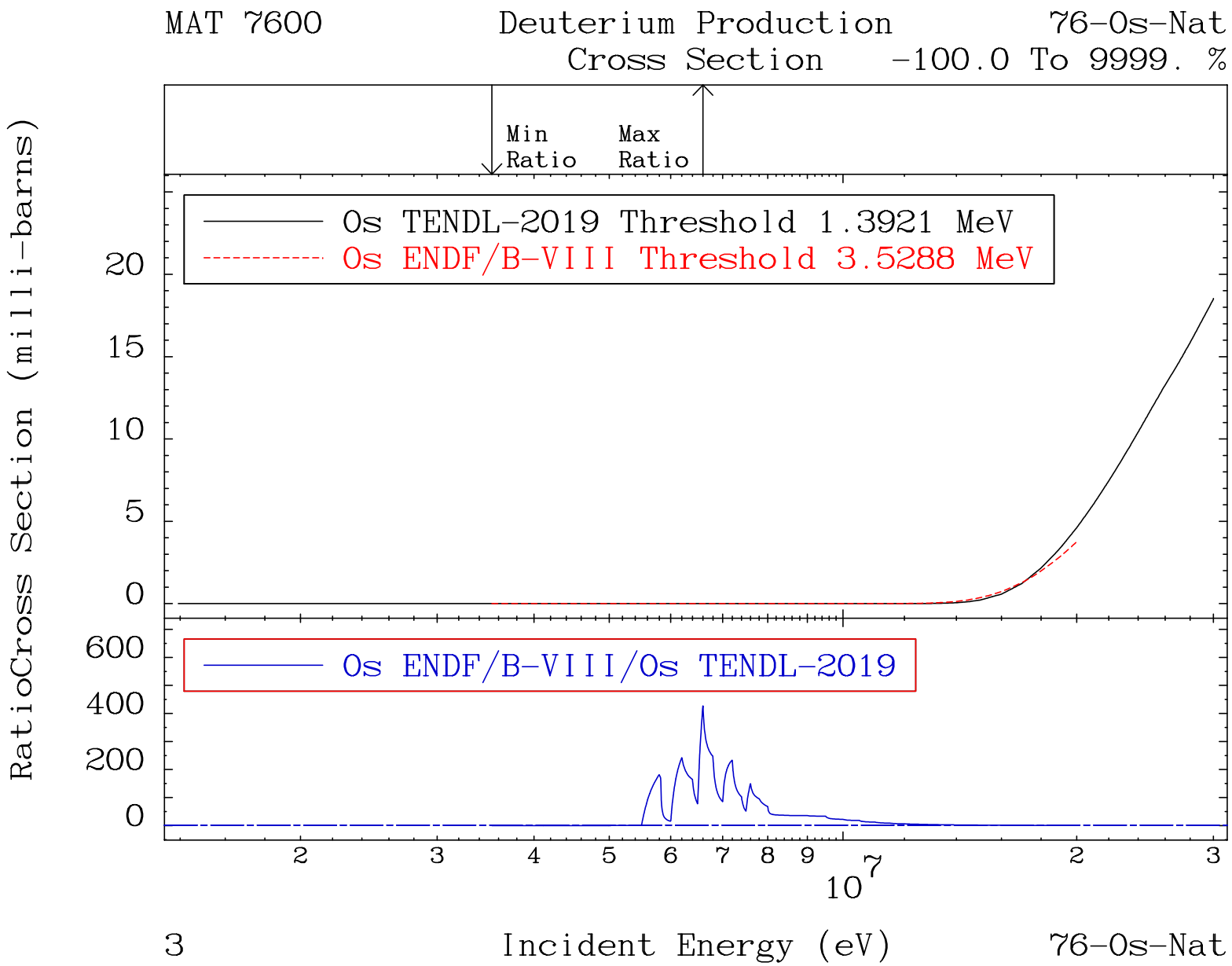
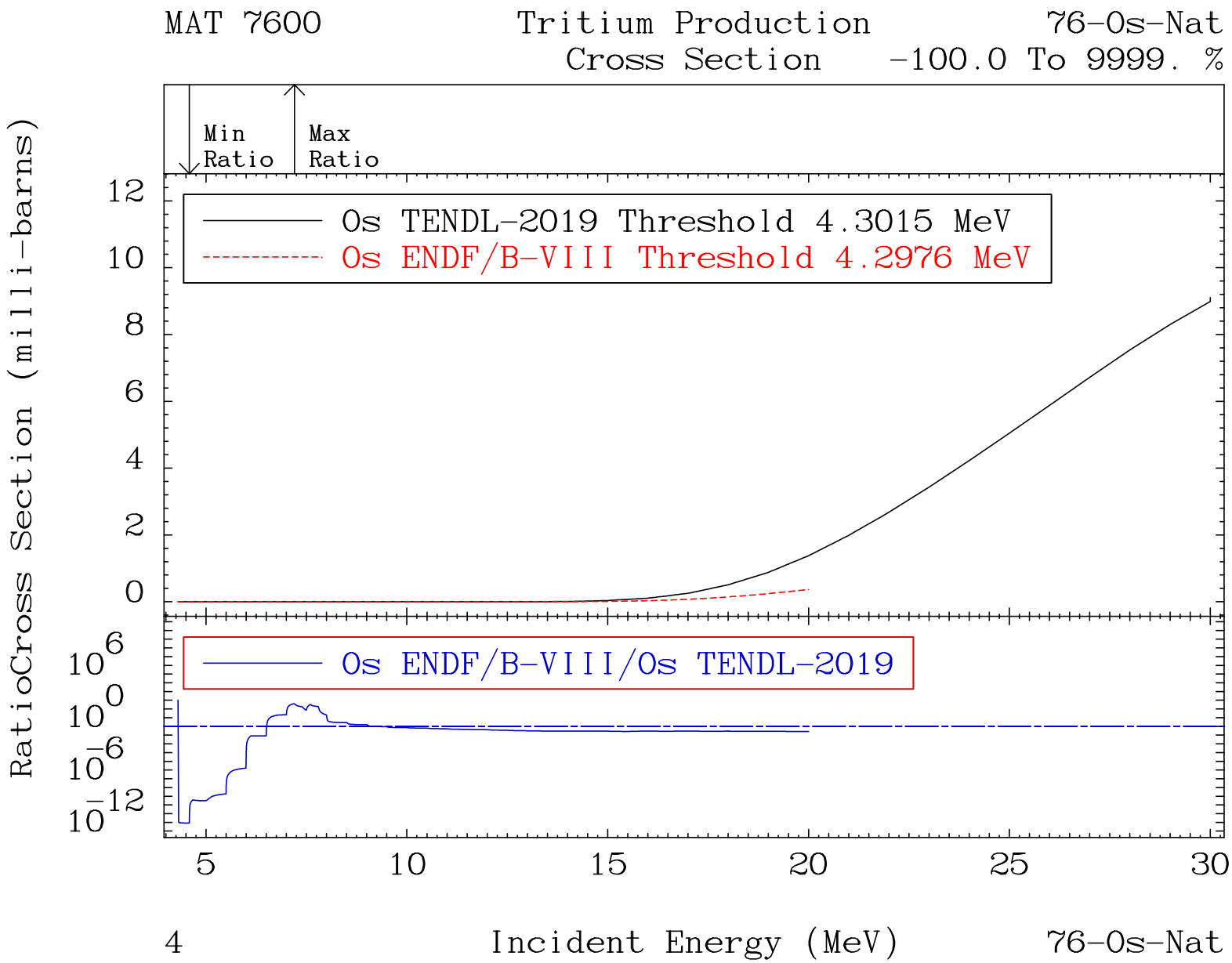
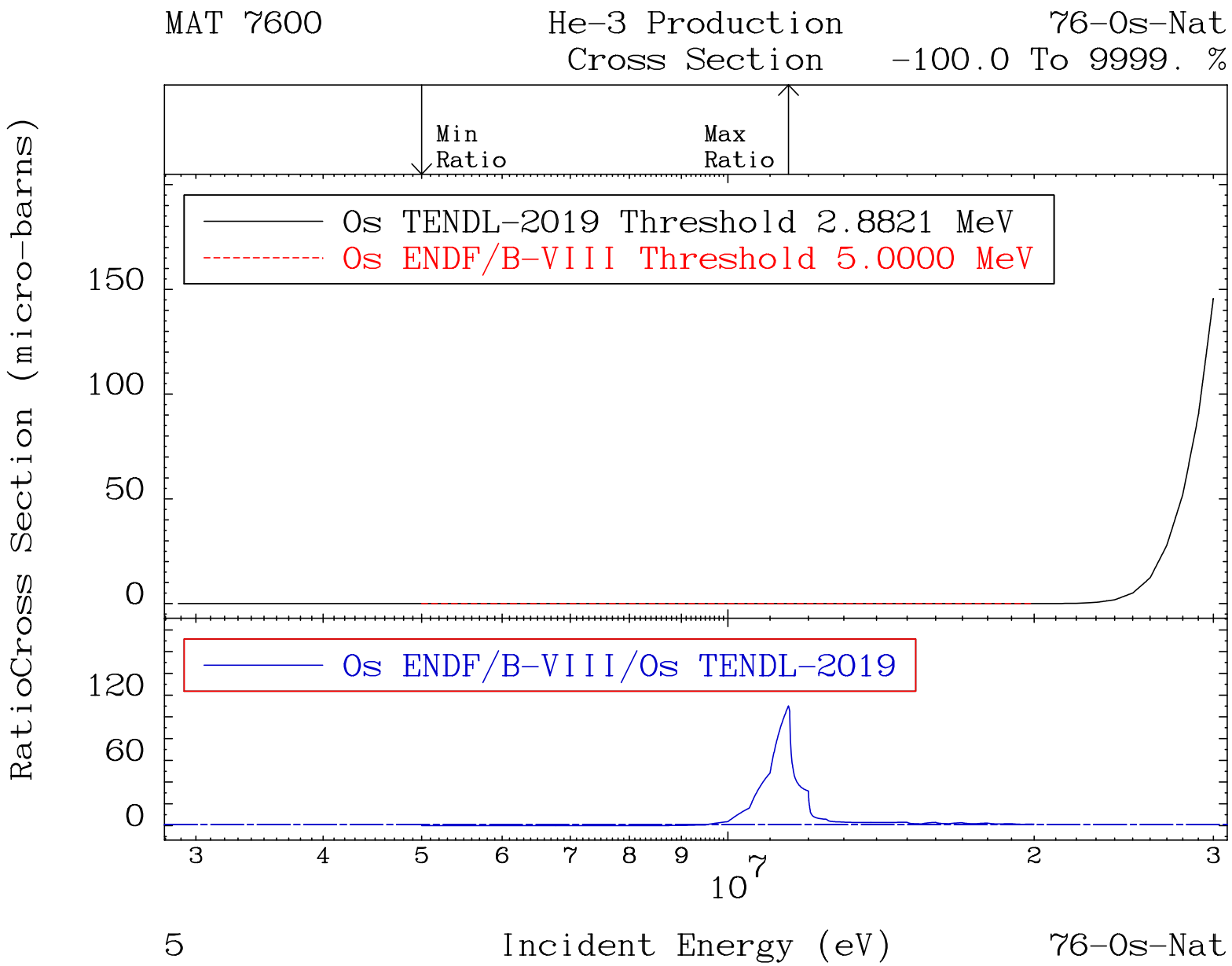
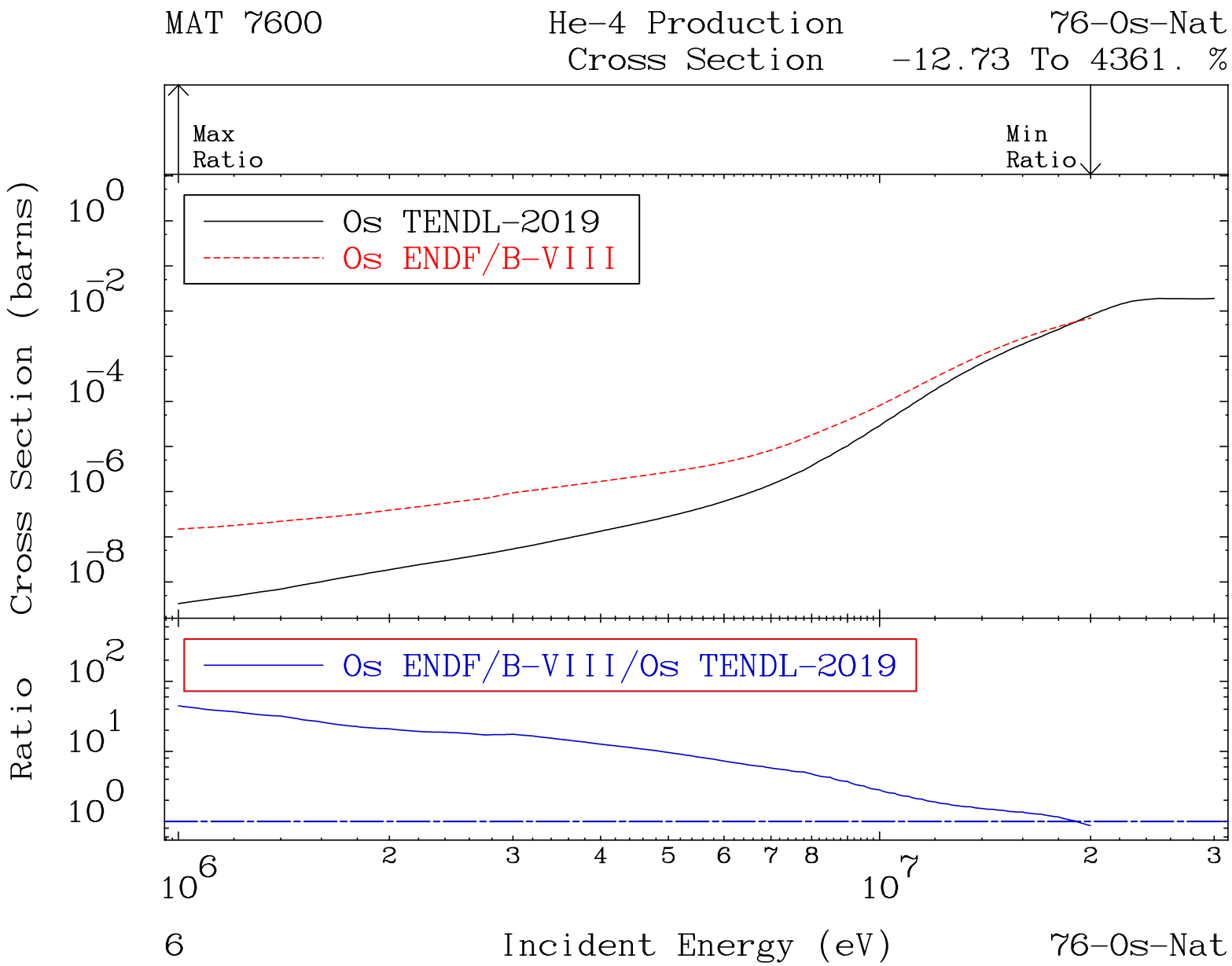

MAT 7600
Total
Cross Section
76-Os-Nat
-96.39 To 2211. %
Min
Ratio
Max
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
1
76-Os-Nat

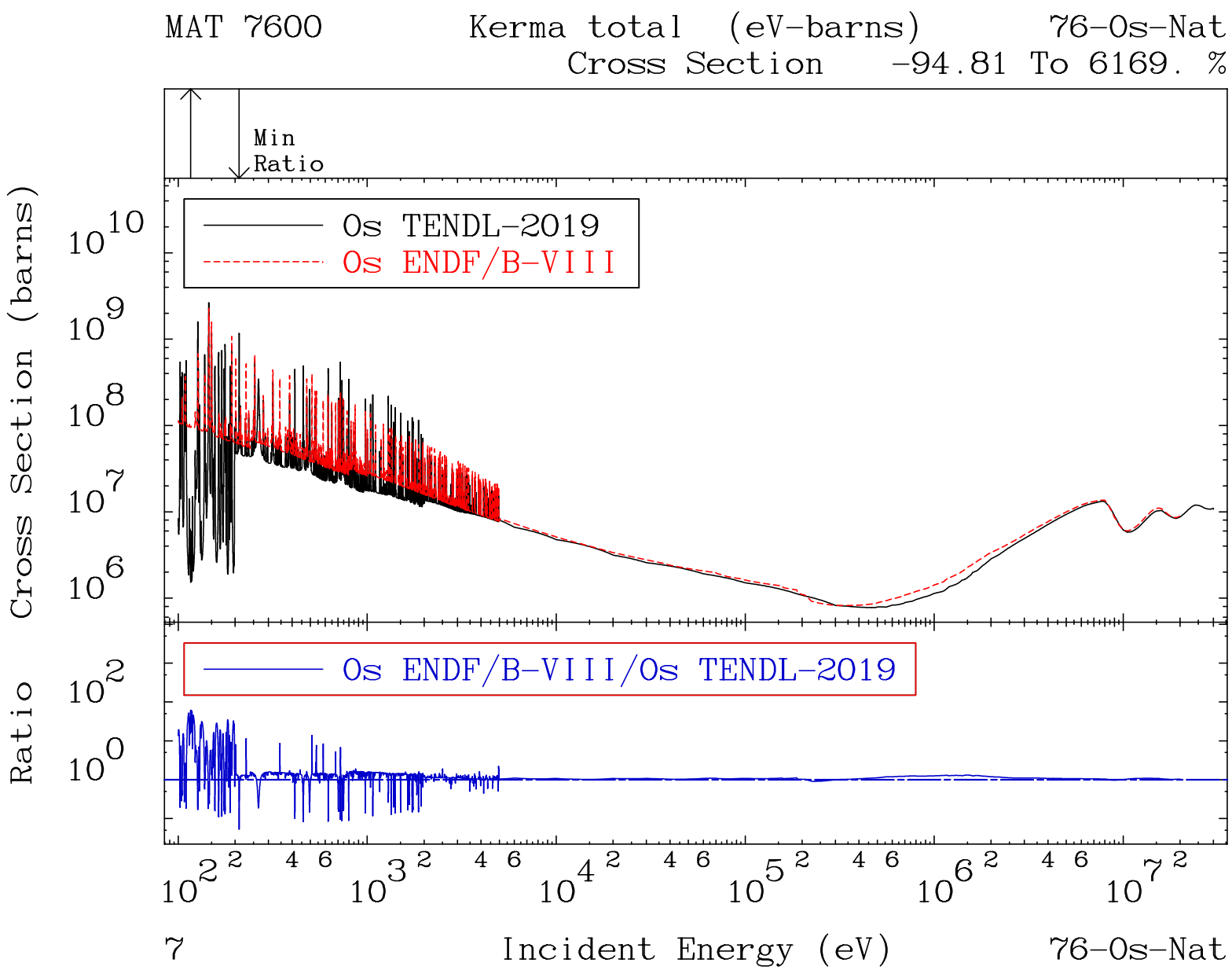

MAT 7600
Hydrogen Production
Cross Section
76-Os-Nat
-63.73 To 17.56 %
Min Ratio
Max Ratio
Os TENDL-2019 Threshold 180.64 eV
Os ENDF/B-VIII Threshold 35.000 keV
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
76-Os-Nat

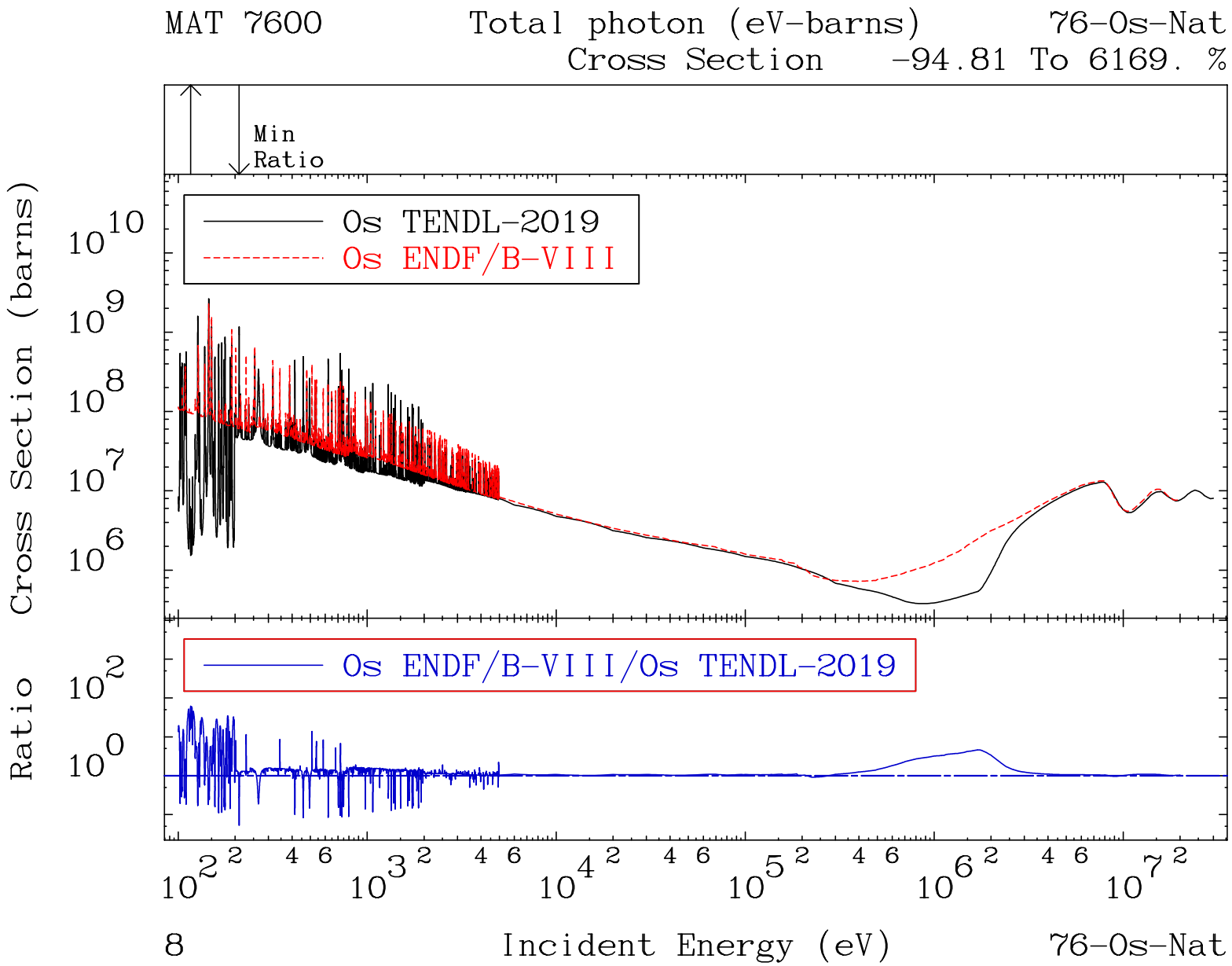

MAT 7600
Deuterium Production
Cross Section
76-Os-Nat
-100.0 To 9999. %
Min Ratio
Max Ratio
Os TENDL-2019 Threshold 1.3921 MeV
Os ENDF/B-VIII Threshold 3.5288 MeV
Os ENDF/B-VIII/Os TENDL-2019
RatioCross Section (milli-barns)
20
15
10
5
0
600
400
200
0
2
3
4
5
6
7
8
9
10^7
2
3
3
Incident Energy (eV)
76-Os-Nat

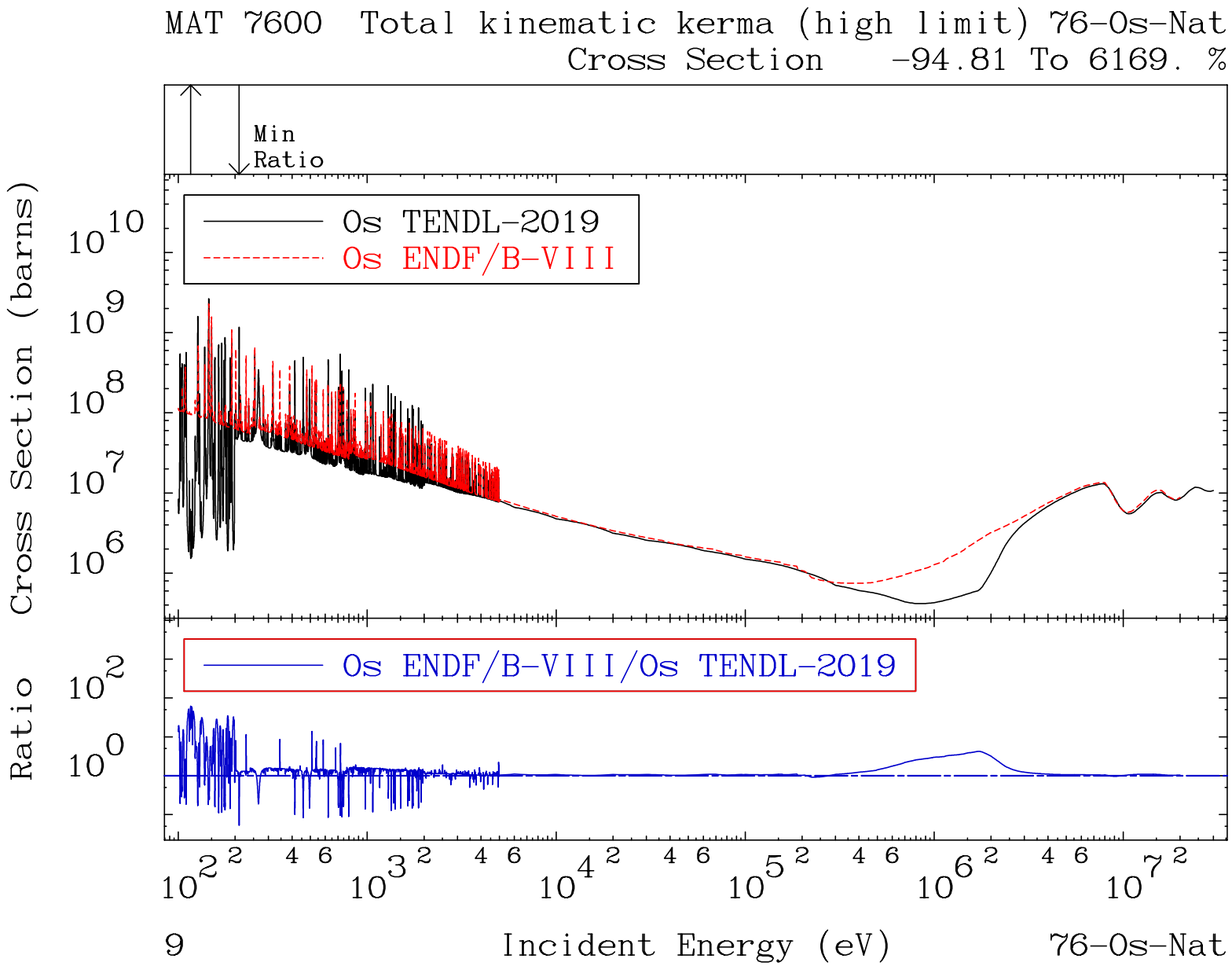

MAT 7600
Tritium Production
Cross Section
76-Os-Nat
-100.0 To 9999. %
Min Ratio
Max Ratio
Os TENDL-2019 Threshold 4.3015 MeV
Os ENDF/B-VIII Threshold 4.2976 MeV
Os ENDF/B-VIII/Os TENDL-2019
RatioCross Section (milli-barns)
Incident Energy (MeV)
4
76-Os-Nat

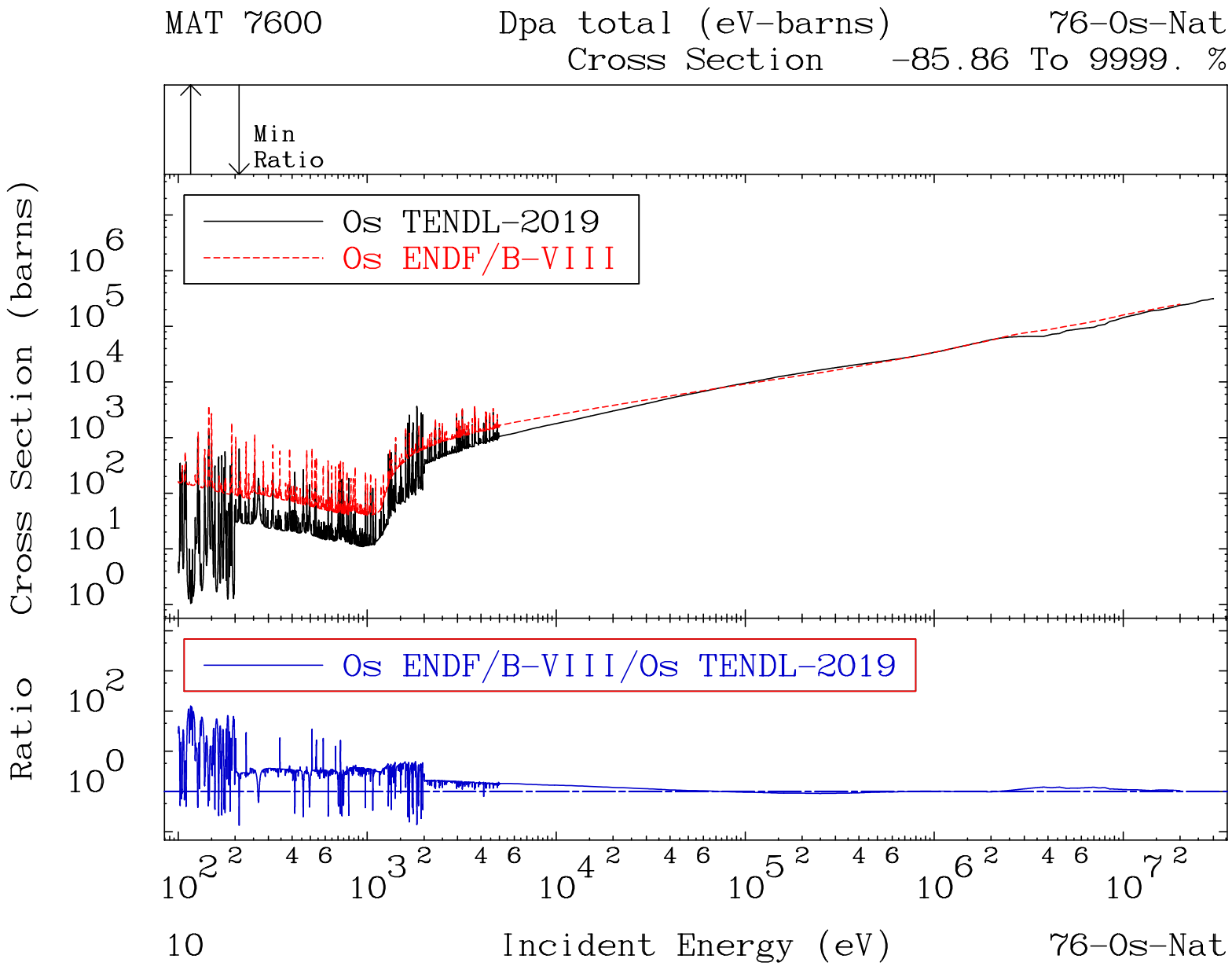

MAT 7600
He-3 Production
Cross Section
76-Os-Nat
-100.0 To 9999. %
Min
Ratio
Max
Ratio
Os TENDL-2019 Threshold 2.8821 MeV
Os ENDF/B-VIII Threshold 5.0000 MeV
Os ENDF/B-VIII/Os TENDL-2019
RatioCross Section (micro-barns)
150
100
50
0
120
60
0
3
4
5
6
7
8
9
2
3
10^7
5
Incident Energy (eV)
76-Os-Nat

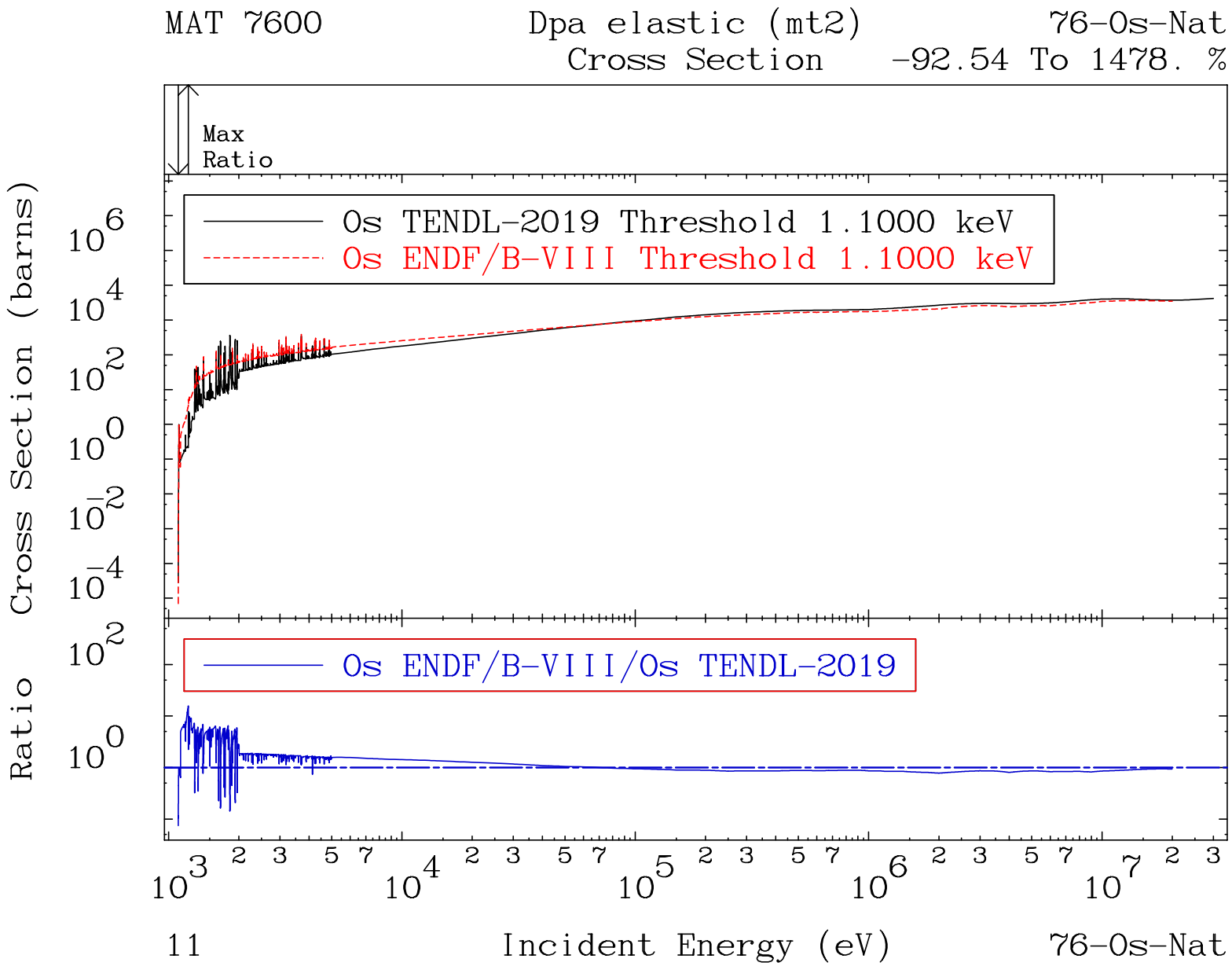

MAT 7600
He-4 Production
Cross Section
76-Os-Nat
-12.73 To 4361. %
Max
Ratio
Min
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
6
76-Os-Nat

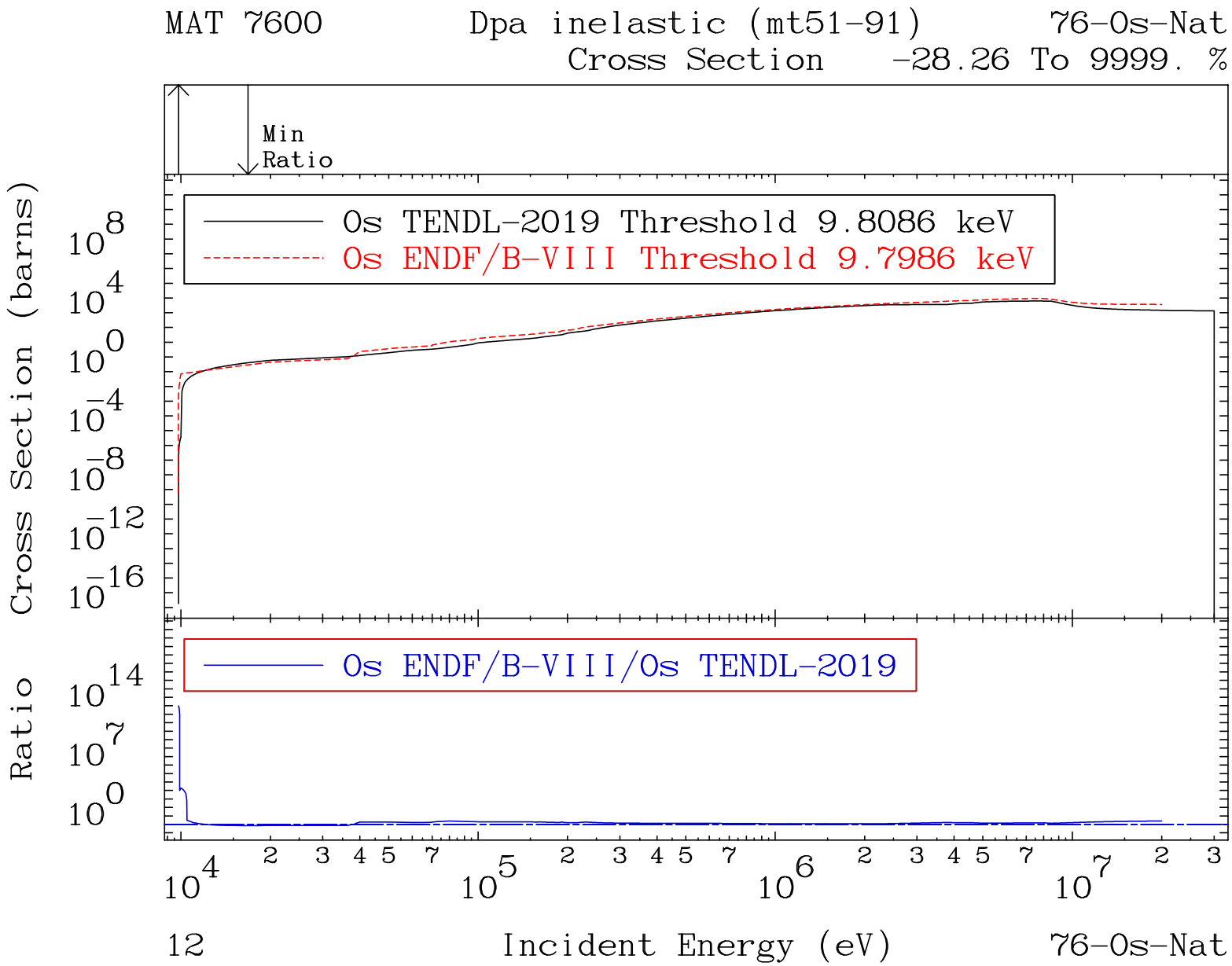

MAT 7600
Kerma total (eV-barns)
76-Os-Nat
Cross Section -94.81 To 6169. %
Min
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
7
76-Os-Nat

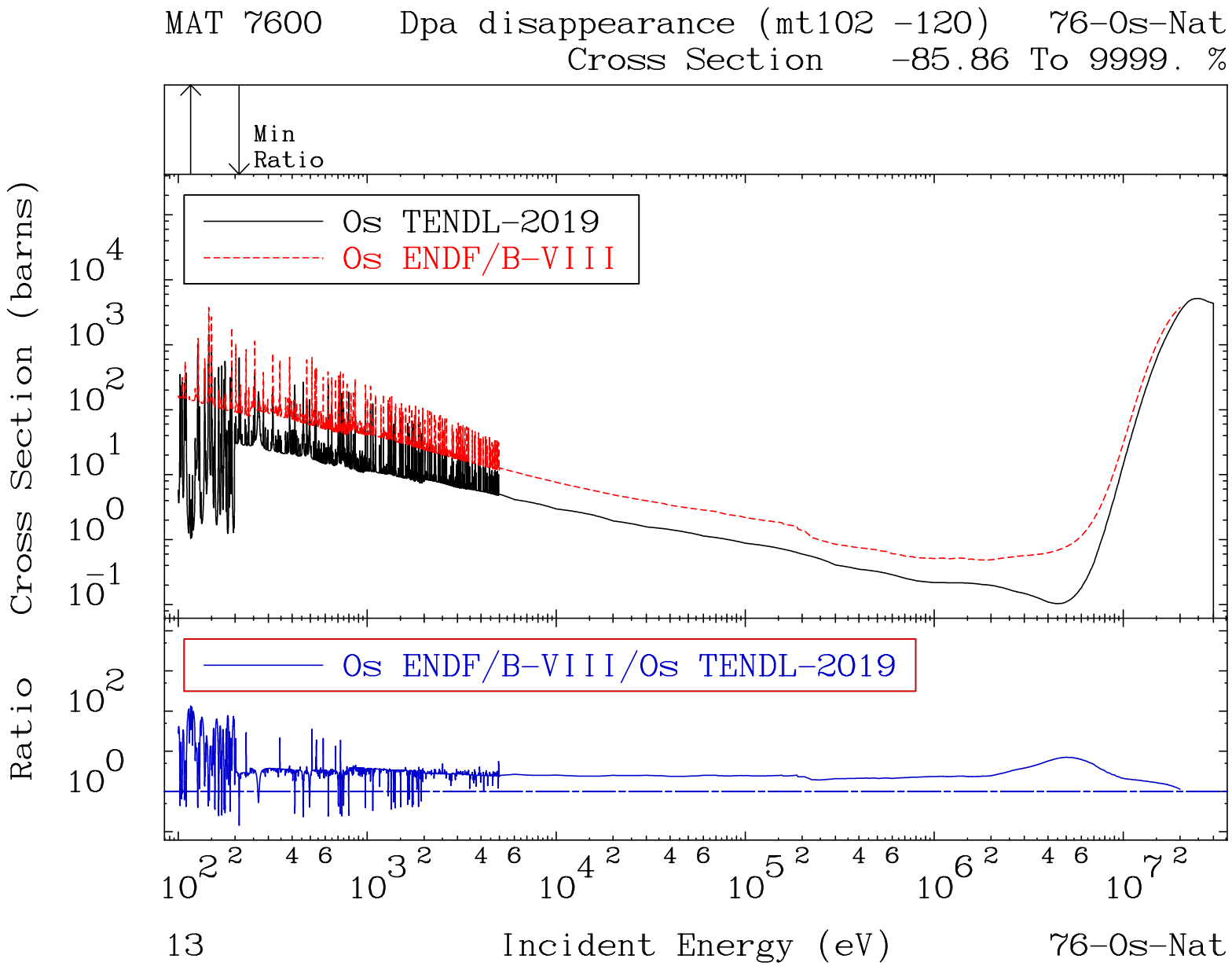

MAT 7600
Total photon (eV-barns)
Cross Section
-94.81 To 6169. %
76-Os-Nat
Min
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
8
76-Os-Nat


MAT 7600 Total kinematic kerma (high limit) 76-Os-Nat
Cross Section -94.81 To 6169. %
Min
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
76-Os-Nat


MAT 7600
Dpa total (eV-barns)
Cross Section
76-Os-Nat
-85.86 To 9999. %
Min
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
10
76-Os-Nat


MAT 7600
Dpa elastic (mt2)
Cross Section
76-Os-Nat
-92.54 To 1478. %
Max
Ratio
Os TENDL-2019 Threshold 1.1000 keV
Os ENDF/B-VIII Threshold 1.1000 keV
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
11
76-Os-Nat


MAT 7600
Dpa inelastic (mt51-91)
76-Os-Nat
Cross Section
-28.26 To 9999. %
Min
Ratio
Os TENDL-2019 Threshold 9.8086 keV
Os ENDF/B-VIII Threshold 9.7986 keV
Cross Section (barns)
Os ENDF/B-VIII/Os TENDL-2019
Ratio
Incident Energy (eV)
12
76-Os-Nat


MAT 7600 Dpa disappearance (mt102 -120) 76-Os-Nat
Cross Section -85.86 To 9999. %
Min
Ratio
Os TENDL-2019
Os ENDF/B-VIII
Os ENDF/B-VIII/Os TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
13
76-Os-Nat