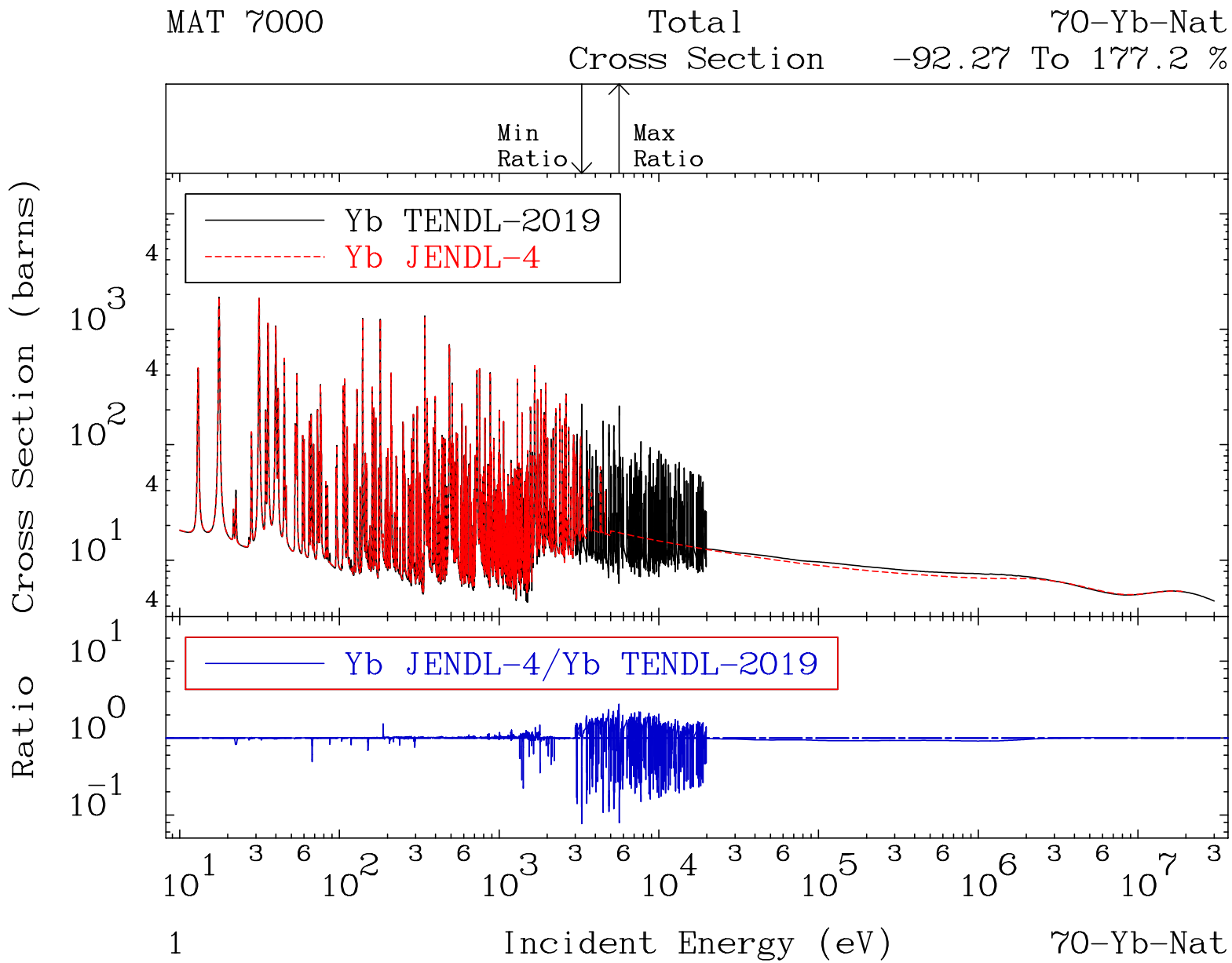
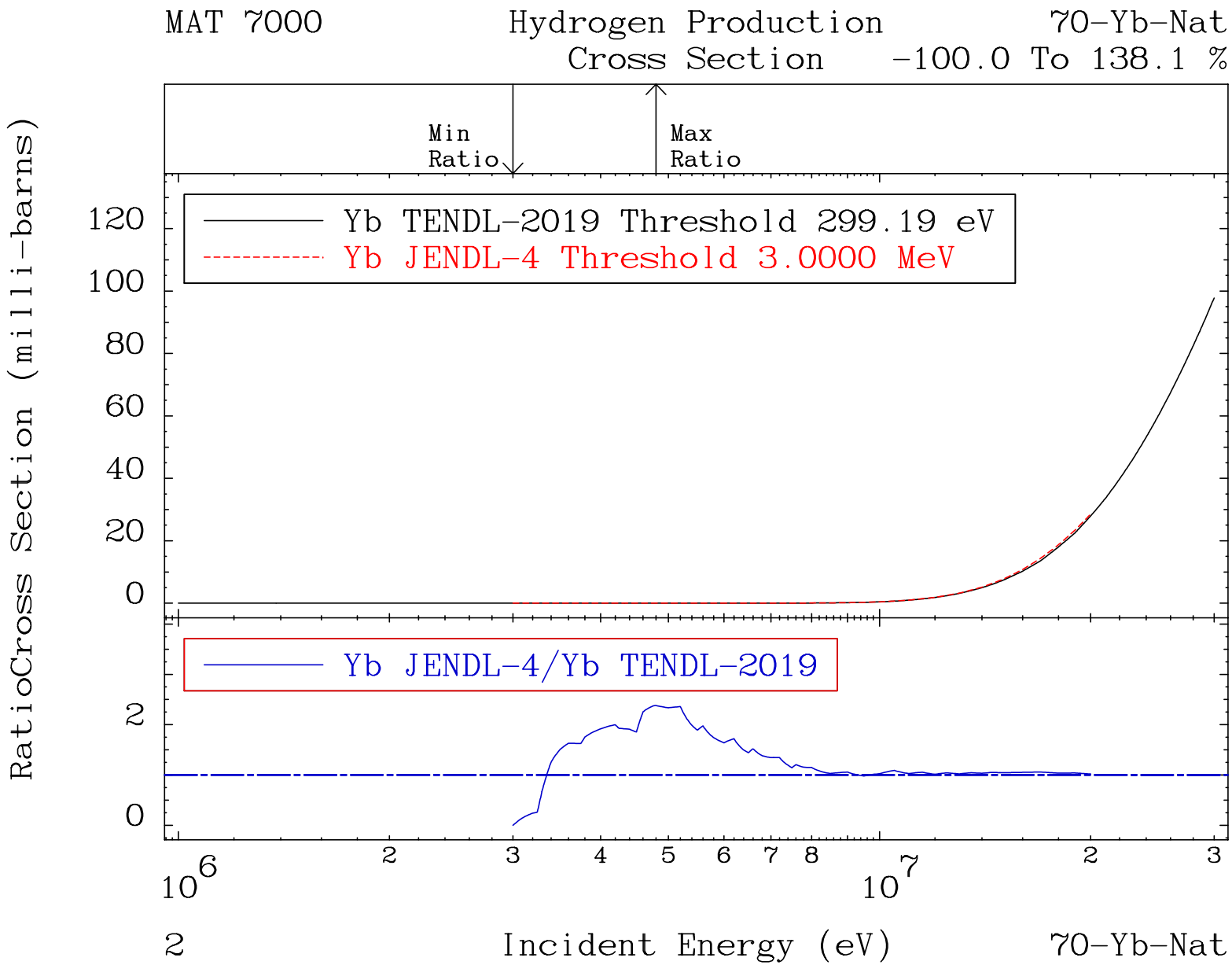
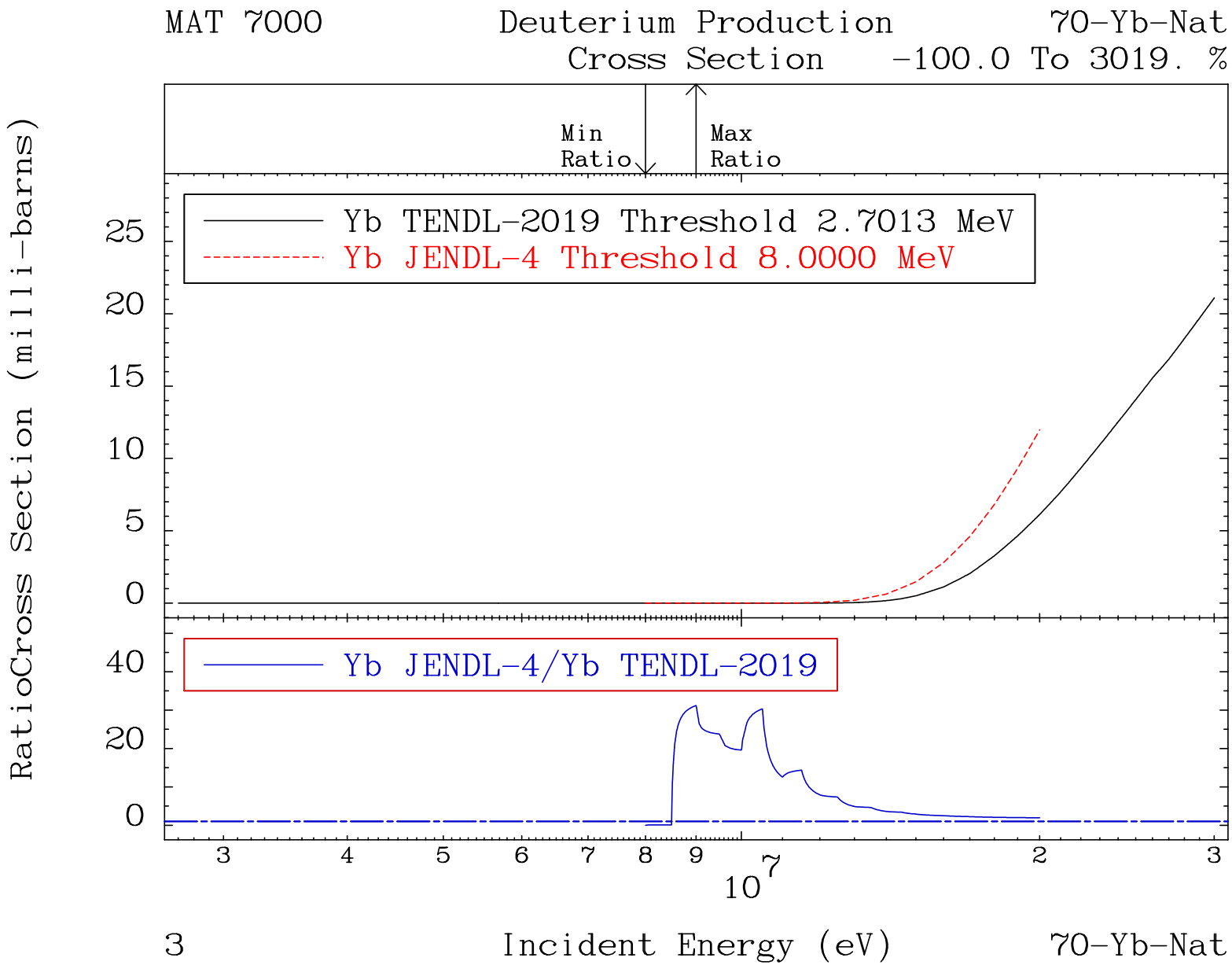
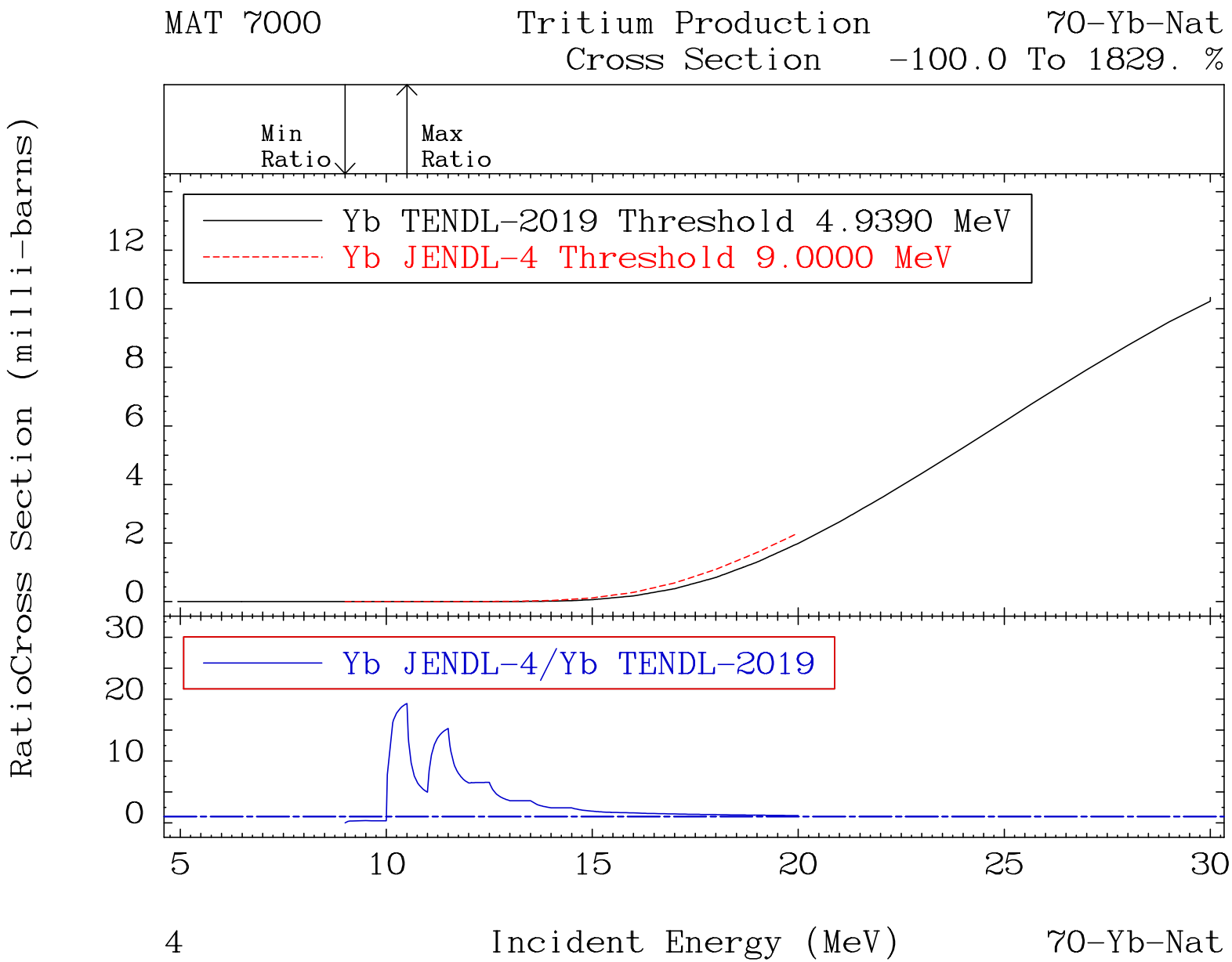
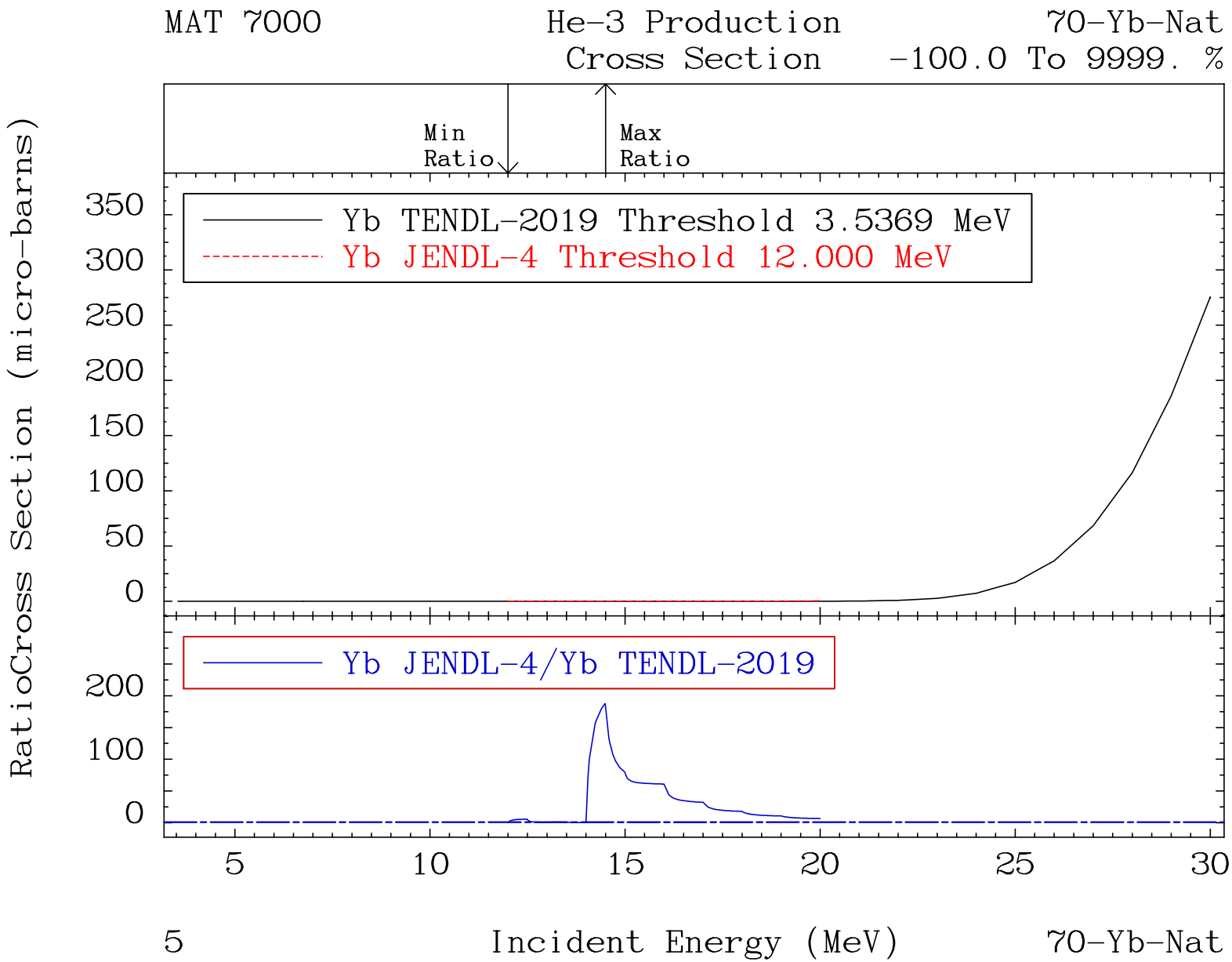
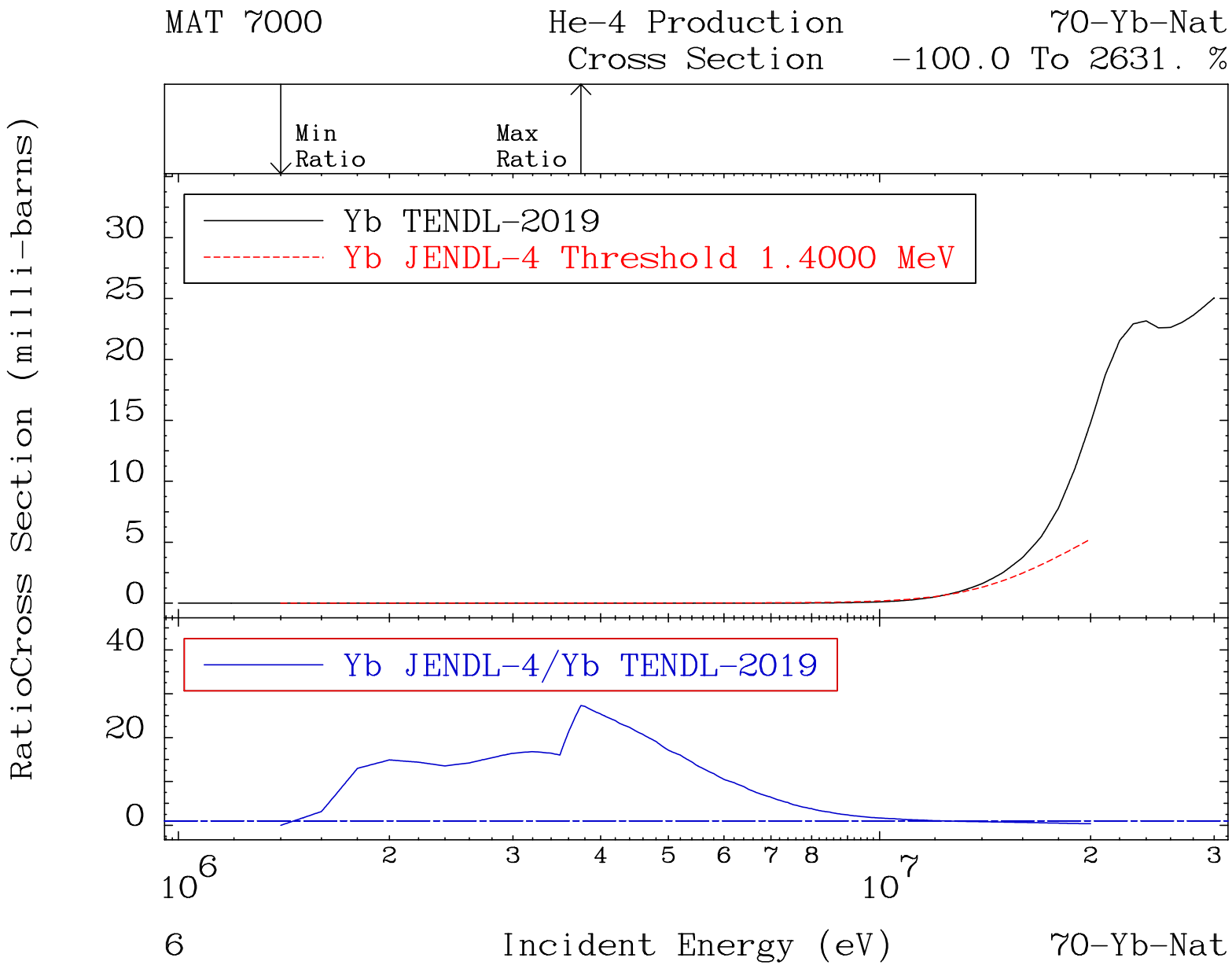

MAT 7000
Total
Cross Section
70-Yb-Nat
-92.27 To 177.2 %
Min
Ratio
Max
Ratio
Yb TENDL-2019
Yb JENDL-4
Yb JENDL-4/Yb TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
1
70-Yb-Nat

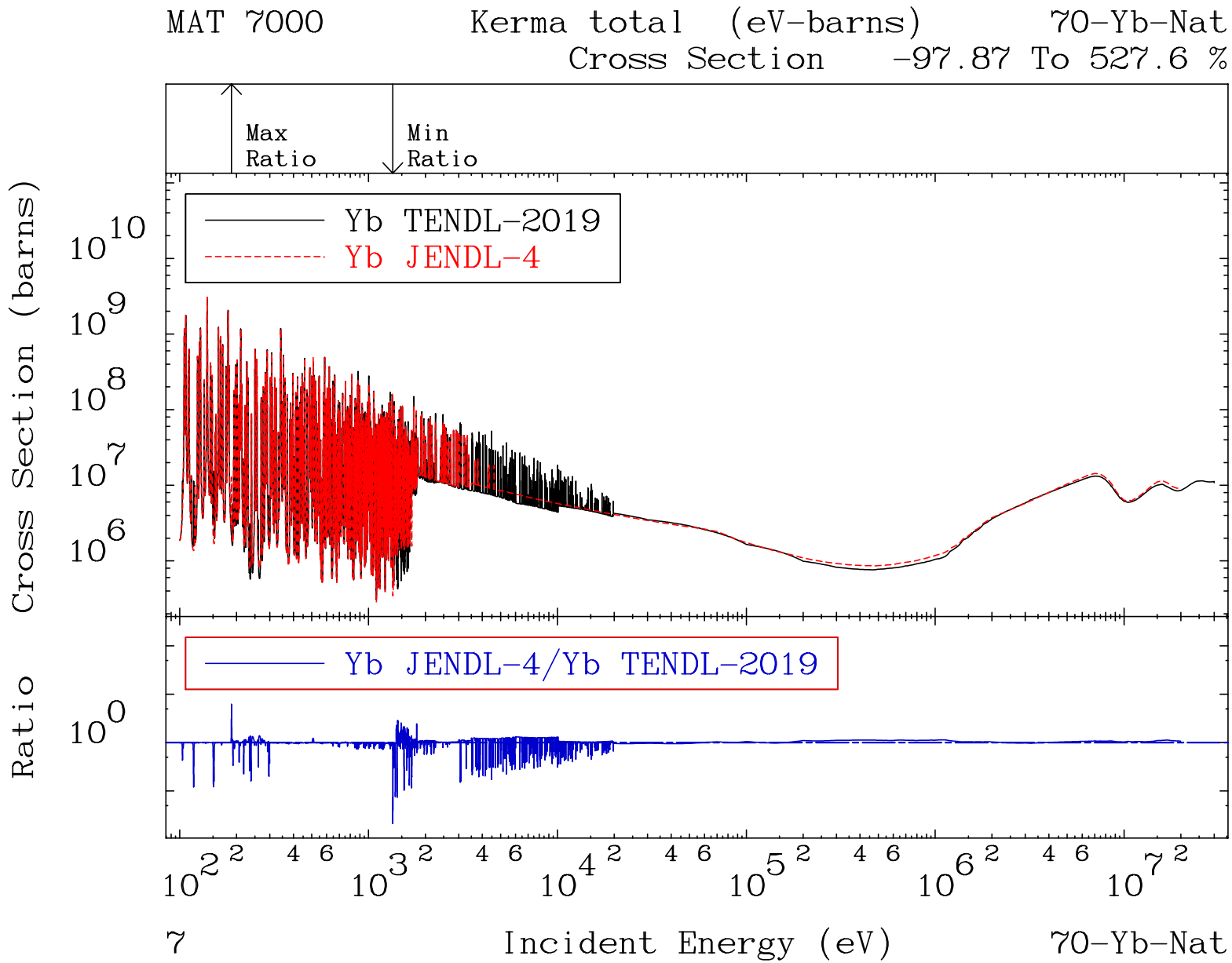

MAT 7000
Hydrogen Production
Cross Section
70-Yb-Nat
-100.0 To 138.1 %
Min Ratio
Max Ratio
Yb TENDL-2019 Threshold 299.19 eV
Yb JENDL-4 Threshold 3.0000 MeV
Yb JENDL-4/Yb TENDL-2019
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2
0
10^6
2
3
4
5
6
7
8
10^7
2
3
Incident Energy (eV)
70-Yb-Nat

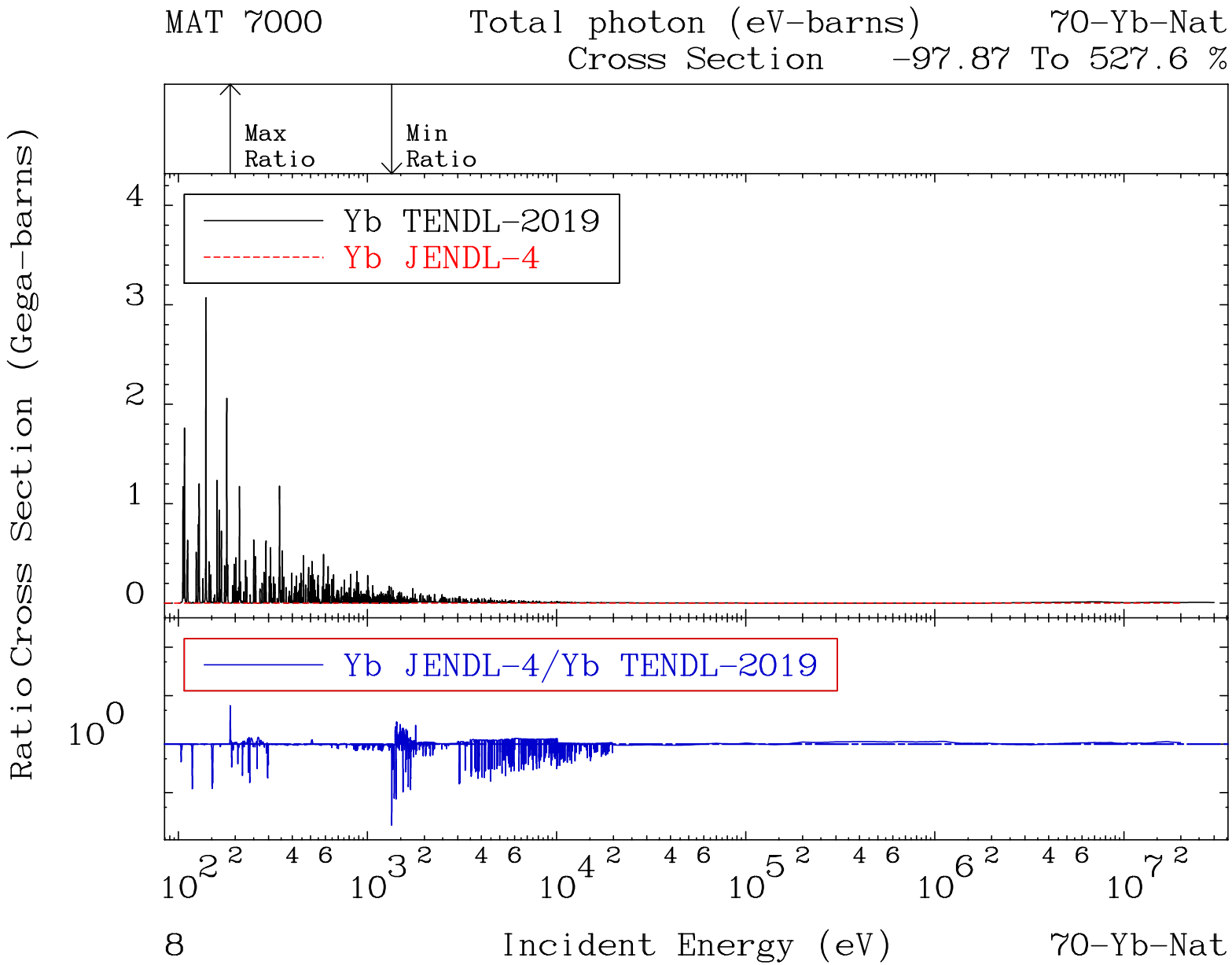

MAT 7000
Deuterium Production
70-Yb-Nat
Cross Section -100.0 To 3019. %
Min Ratio
Max Ratio
Yb TENDL-2019 Threshold 2.7013 MeV
Yb JENDL-4 Threshold 8.0000 MeV
Yb JENDL-4/Yb TENDL-2019
RatioCross Section (milli-barns)
25
20
15
10
5
0
40
20
0
3
4
5
6
7
8
9
10^7
2
3
3
Incident Energy (eV)
70-Yb-Nat

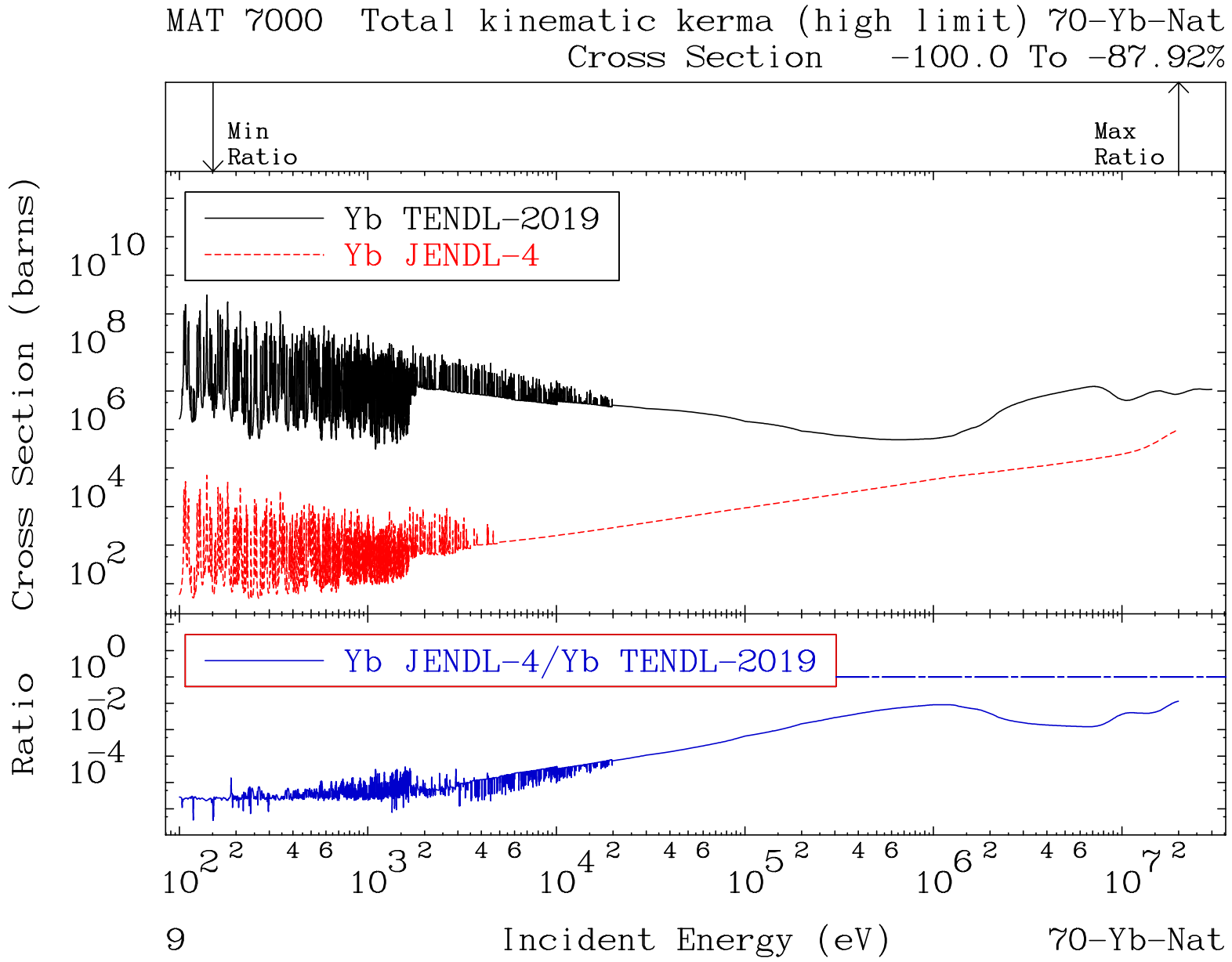

MAT 7000
Tritium Production
Cross Section
70-Yb-Nat
-100.0 To 1829. %
Min Ratio
Max Ratio
Yb TENDL-2019 Threshold 4.9390 MeV
Yb JENDL-4 Threshold 9.0000 MeV
Yb JENDL-4/Yb TENDL-2019
RatioCross Section (milli-barns)
Incident Energy (MeV)
4
70-Yb-Nat

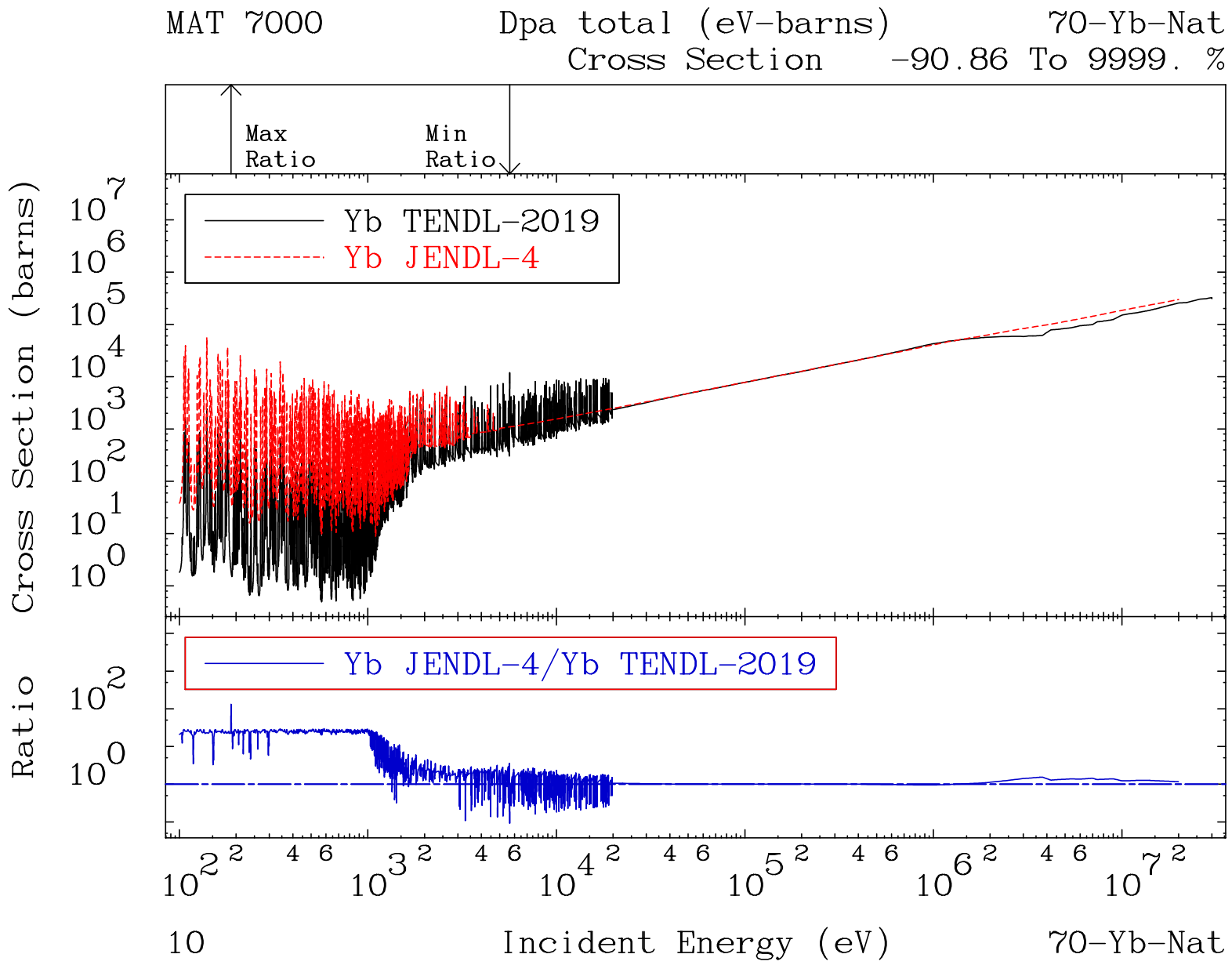

MAT 7000
He-3 Production
Cross Section
70-Yb-Nat
-100.0 To 9999. %
Min
Ratio
Max
Ratio
Yb TENDL-2019 Threshold 3.5369 MeV
Yb JENDL-4 Threshold 12.000 MeV
Yb JENDL-4/Yb TENDL-2019
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
200
100
0
5
10
15
20
25
30
5
Incident Energy (MeV)
70-Yb-Nat

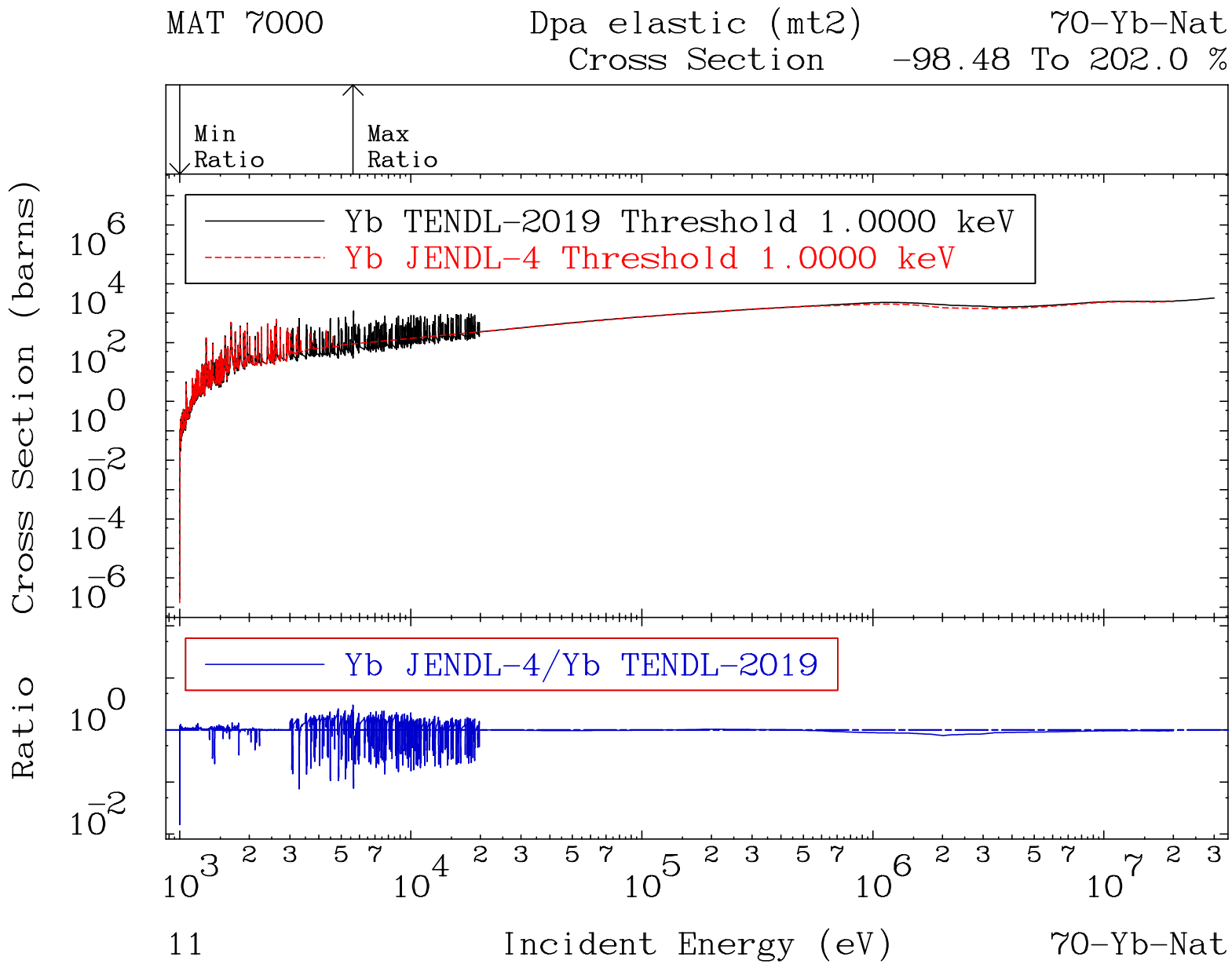

MAT 7000
He-4 Production
Cross Section
70-Yb-Nat
-100.0 To 2631. %
Min
Ratio
Max
Ratio
Yb TENDL-2019
Yb JENDL-4 Threshold 1.4000 MeV
Yb JENDL-4/Yb TENDL-2019
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
40
20
0
2
3
4
5
6
7
8
2
3
10^6
10^7
6
Incident Energy (eV)
70-Yb-Nat

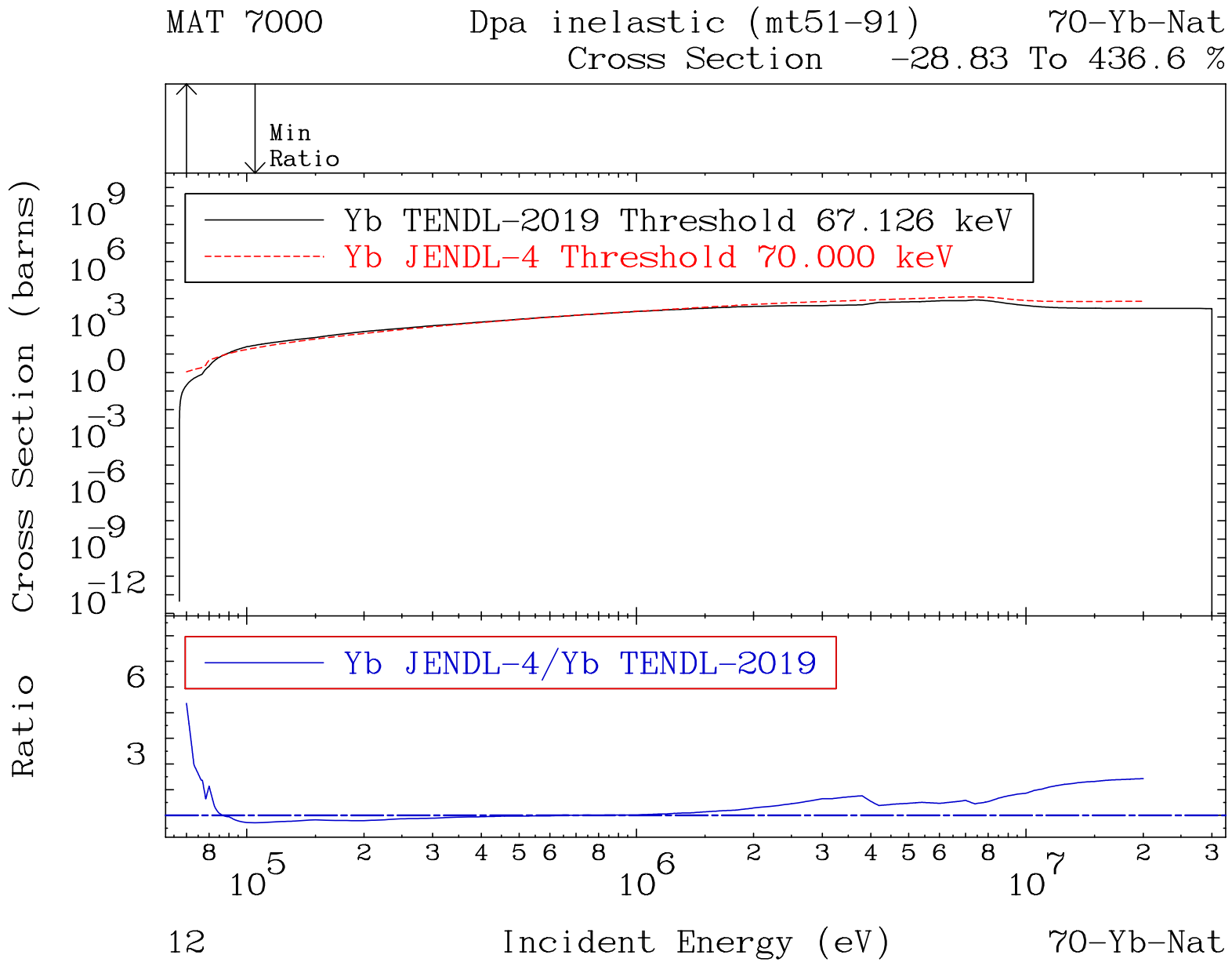

MAT 7000
Kerma total (eV-barns)
70-Yb-Nat
Cross Section -97.87 To 527.6 %
Max Ratio
Min Ratio
Yb TENDL-2019
Yb JENDL-4
Yb JENDL-4/Yb TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
7
70-Yb-Nat

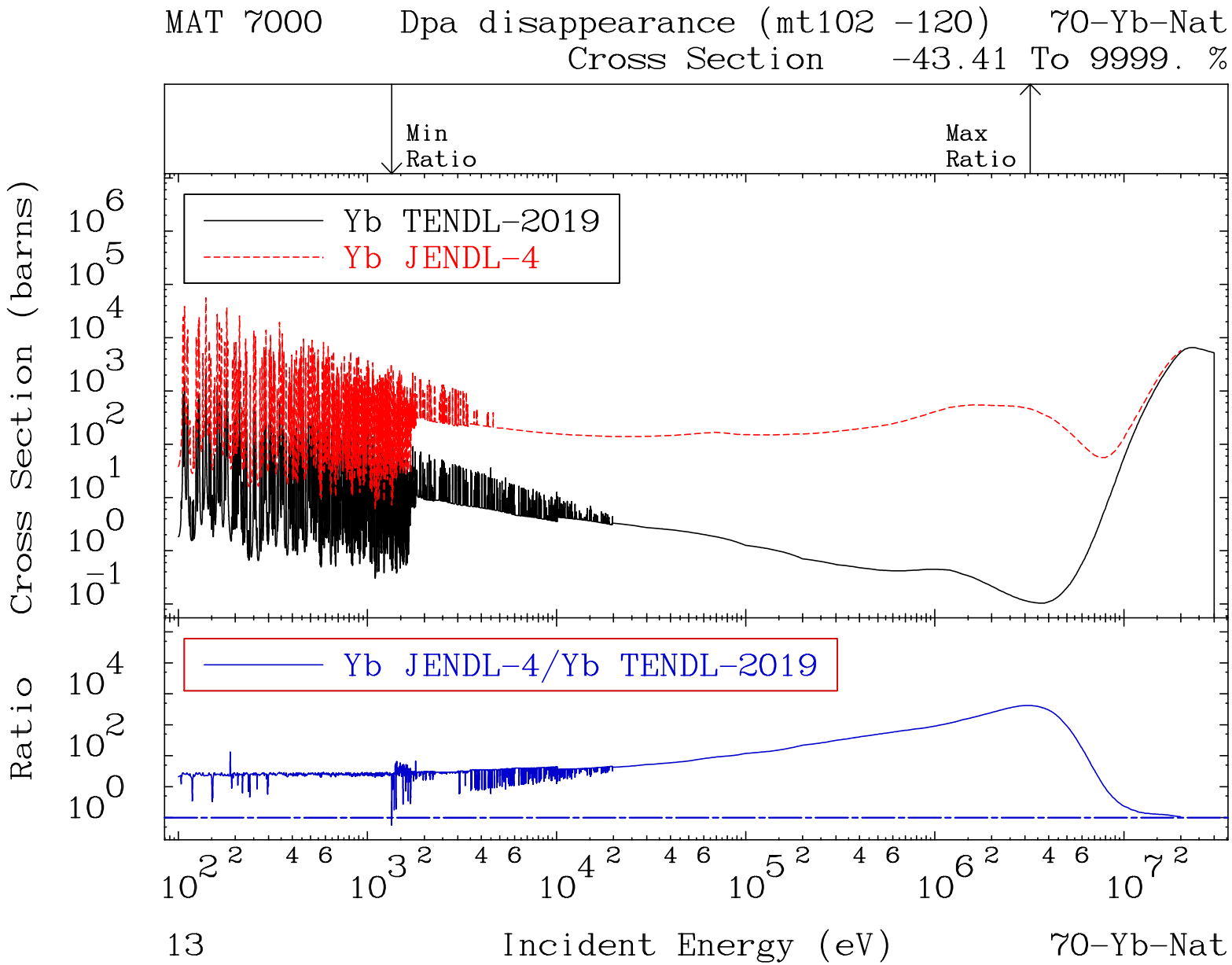

MAT 7000
Total photon (eV-barns)
70-Yb-Nat
Cross Section -97.87 To 527.6 %
Max Ratio
Min Ratio
Yb TENDL-2019
Yb JENDL-4
Yb JENDL-4/Yb TENDL-2019
Ratio Cross Section (Giga-barns)
Incident Energy (eV)
8
70-Yb-Nat


MAT 7000 Total kinematic kerma (high limit) 70-Yb-Nat
Cross Section -100.0 To -87.92%
Min Ratio
Max Ratio
Yb TENDL-2019
Yb JENDL-4
Yb JENDL-4/Yb TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
70-Yb-Nat


MAT 7000
Dpa total (eV-barns)
70-Yb-Nat
Cross Section -90.86 To 9999. %
Max Ratio
Min Ratio
Yb TENDL-2019
Yb JENDL-4
Cross Section (barns)
Yb JENDL-4/Yb TENDL-2019
Ratio
Incident Energy (eV)
10
70-Yb-Nat


MAT 7000
Dpa elastic (mt2)
Cross Section
70-Yb-Nat
-98.48 To 202.0 %
Min Ratio
Max Ratio
Yb TENDL-2019 Threshold 1.0000 keV
Yb JENDL-4 Threshold 1.0000 keV
Yb JENDL-4/Yb TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
11
70-Yb-Nat


MAT 7000
Dpa inelastic (mt51-91)
70-Yb-Nat
Cross Section
-28.83 To 436.6 %
Min
Ratio
Yb TENDL-2019 Threshold 67.126 keV
Yb JENDL-4 Threshold 70.000 keV
Cross Section (barns)
Yb JENDL-4/Yb TENDL-2019
Ratio
Incident Energy (eV)
12
70-Yb-Nat


MAT 7000 Dpa disappearance (mt102 -120) 70-Yb-Nat
Cross Section -43.41 To 9999. %
Min Ratio
Max Ratio
Yb TENDL-2019
Yb JENDL-4
Cross Section (barns)
Yb JENDL-4/Yb TENDL-2019
Ratio
Incident Energy (eV)
13
70-Yb-Nat