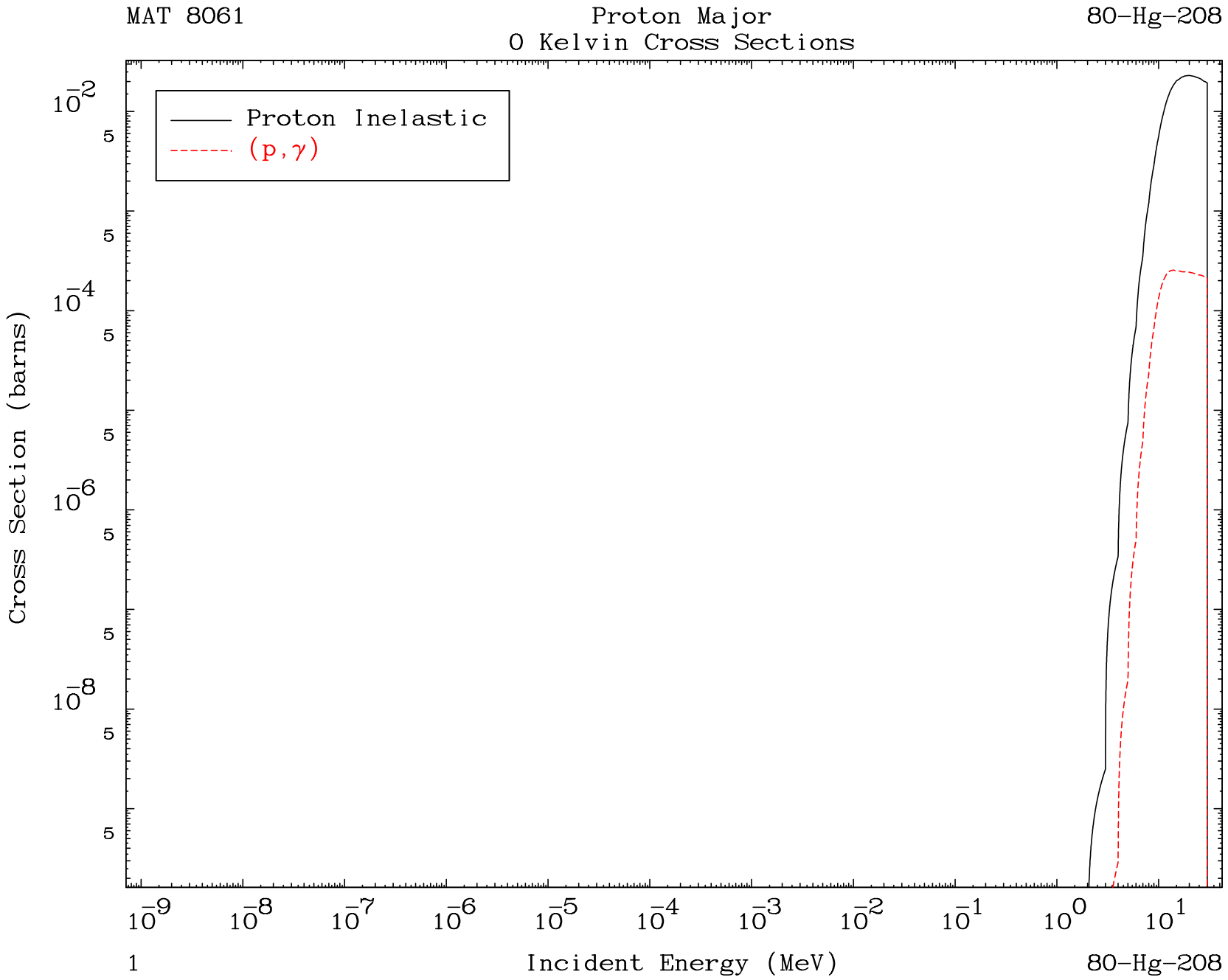
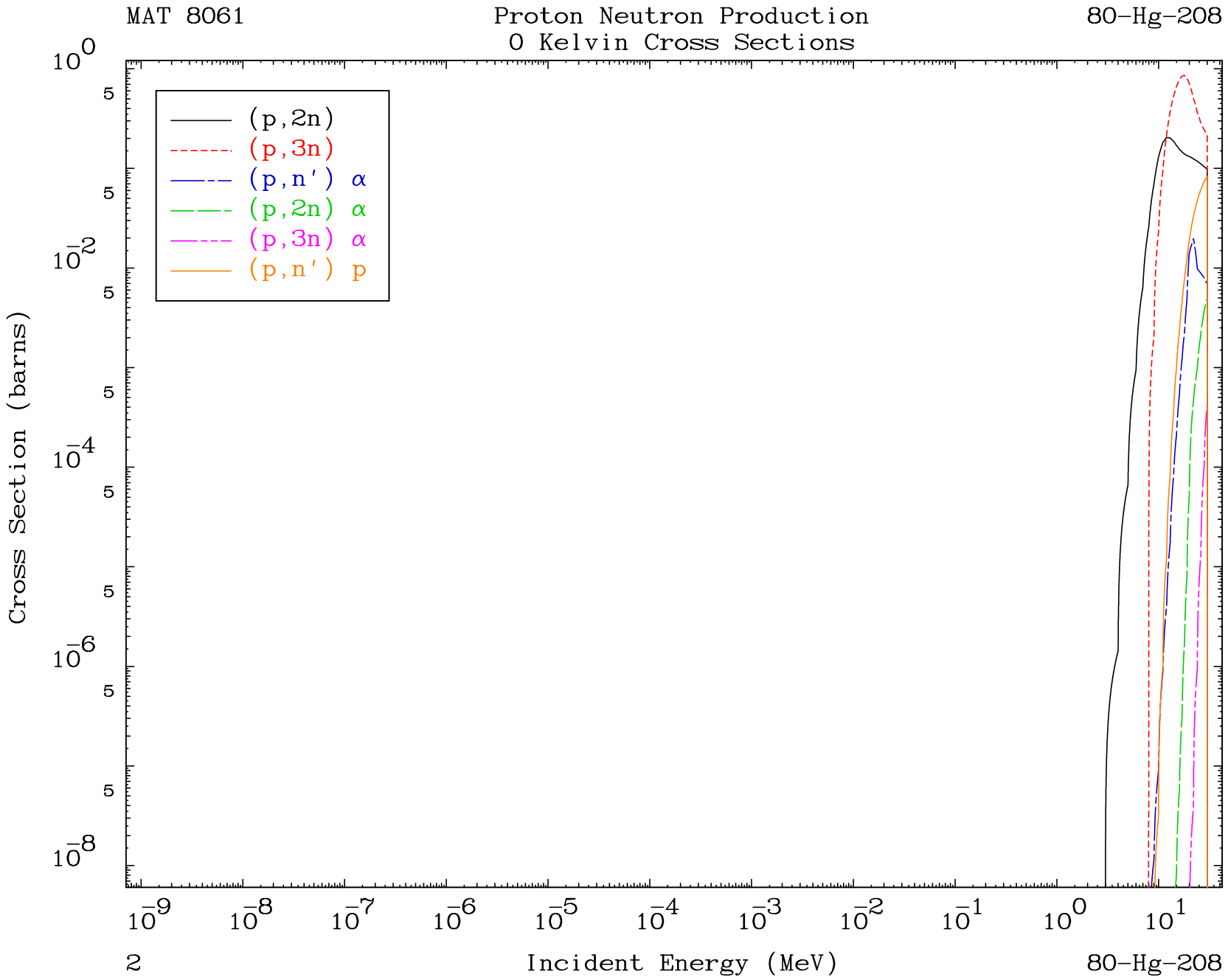
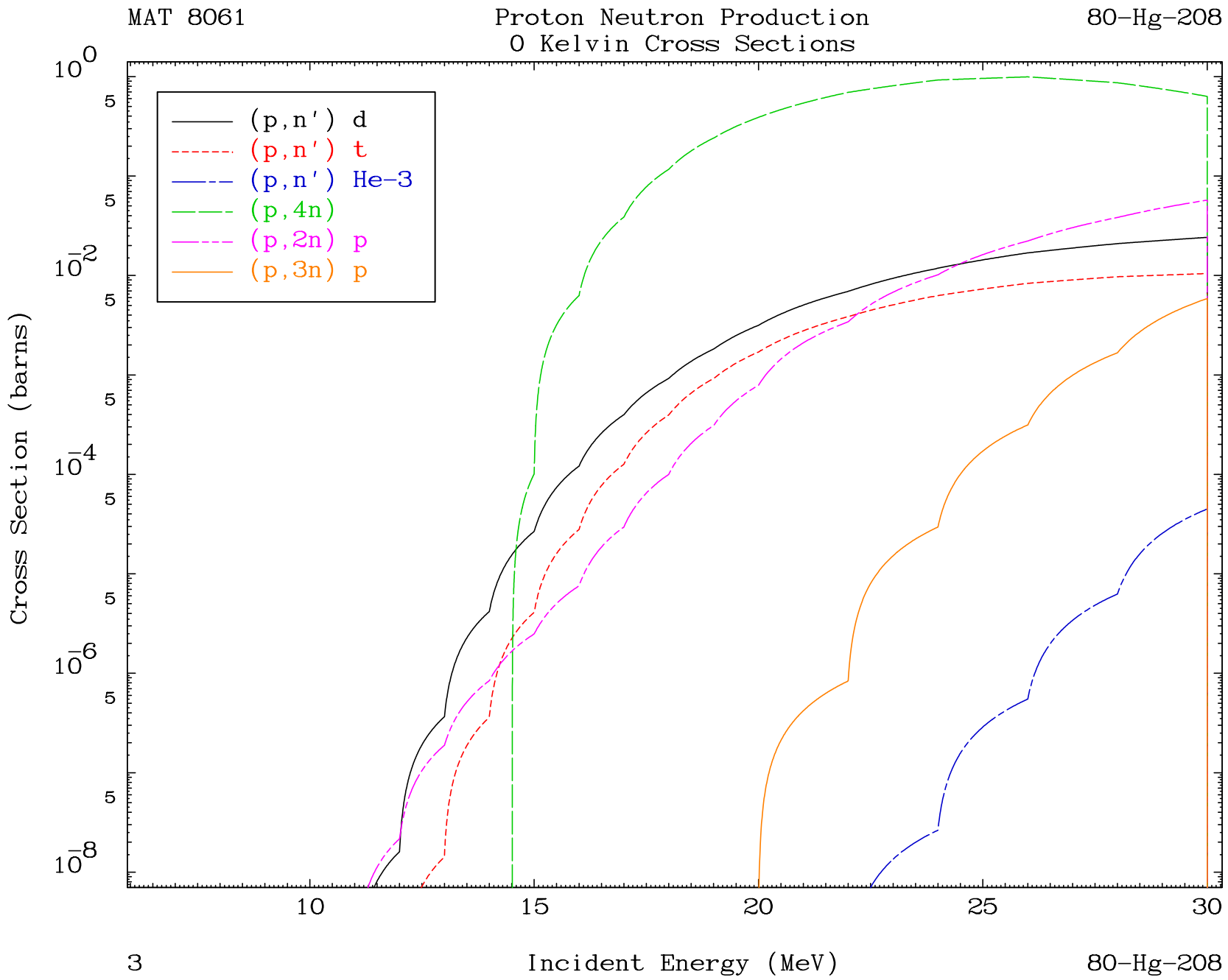
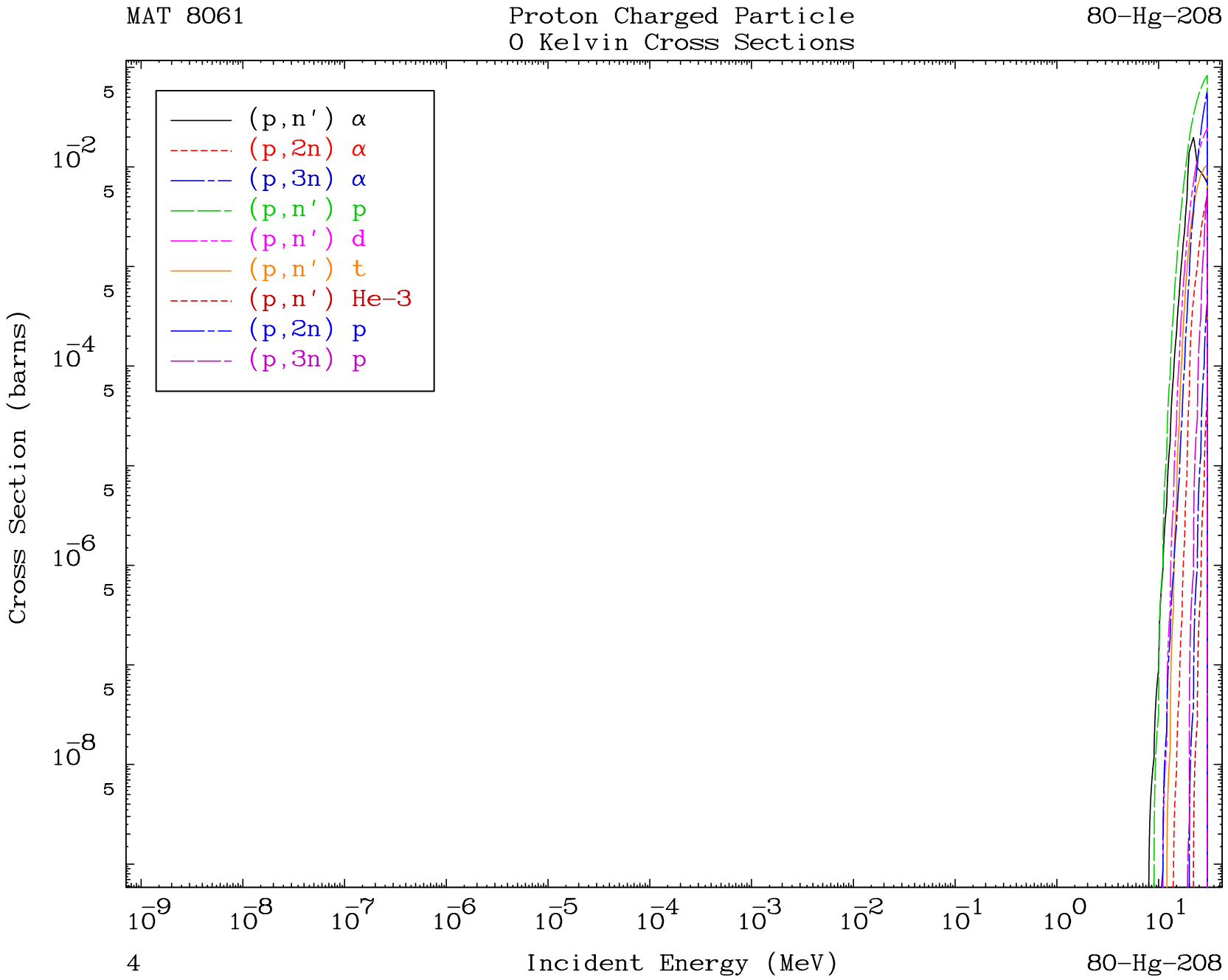
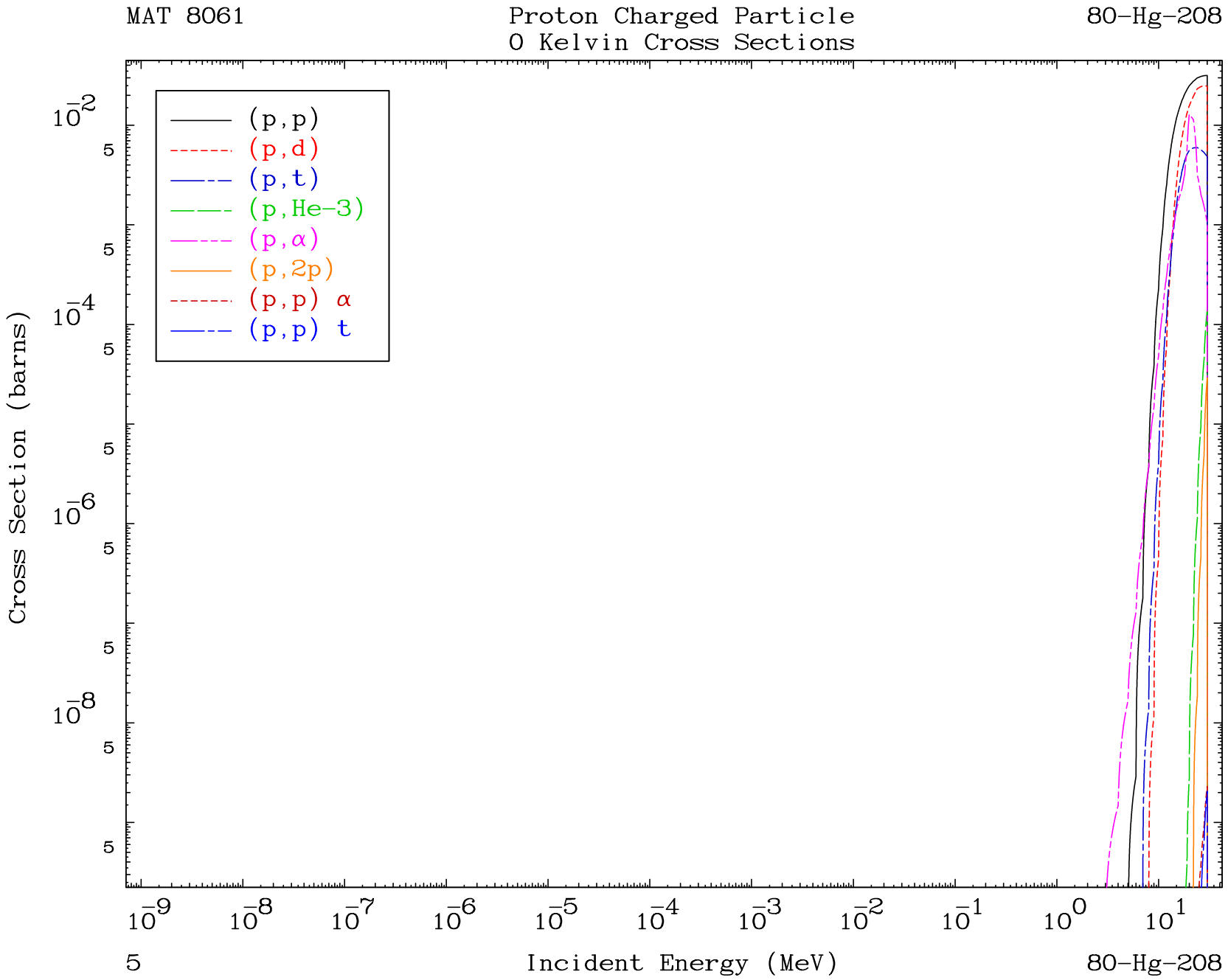
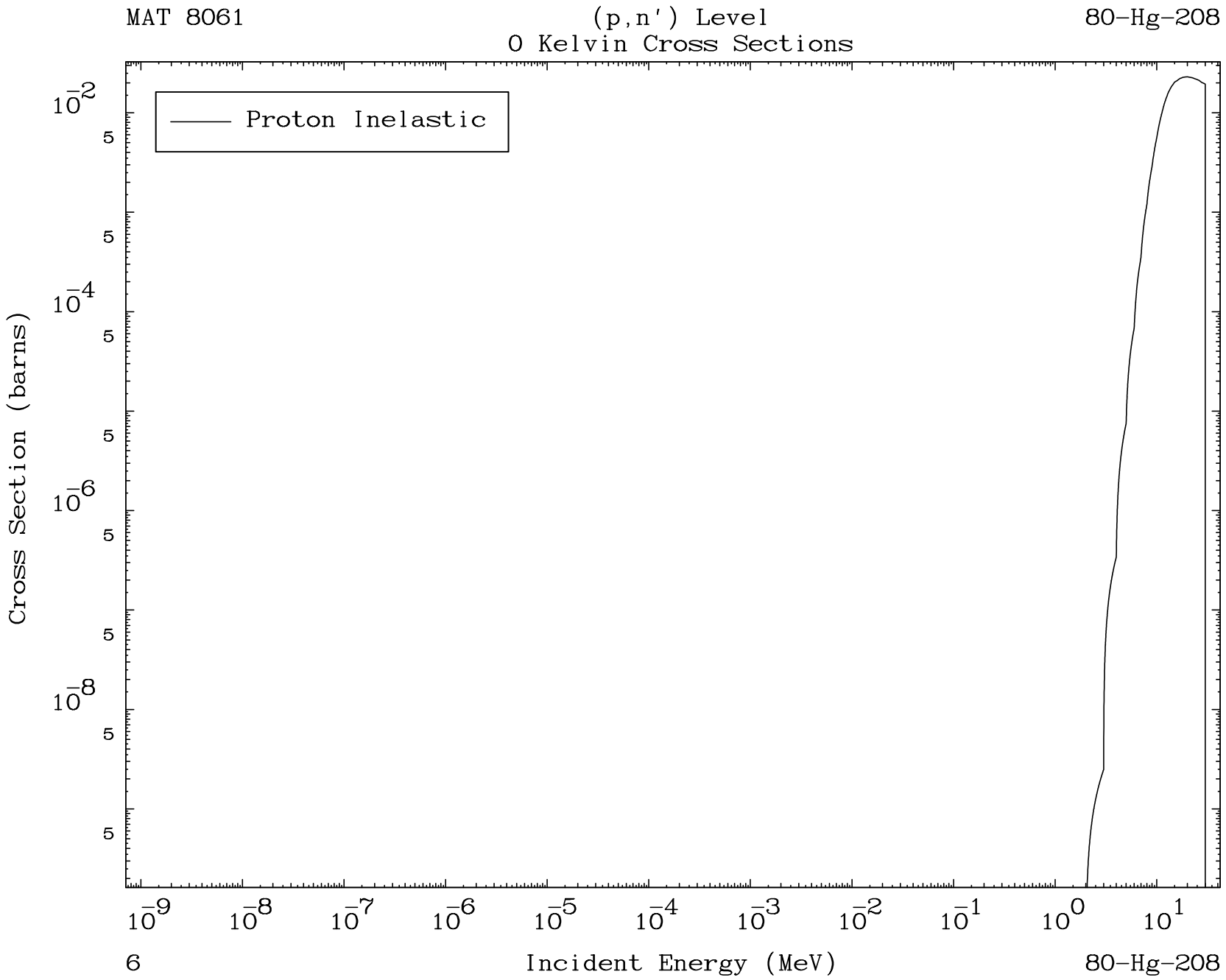

MAT 8061
Proton Major
80-Hg-208
0 Kelvin Cross Sections
Proton Inelastic
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-208

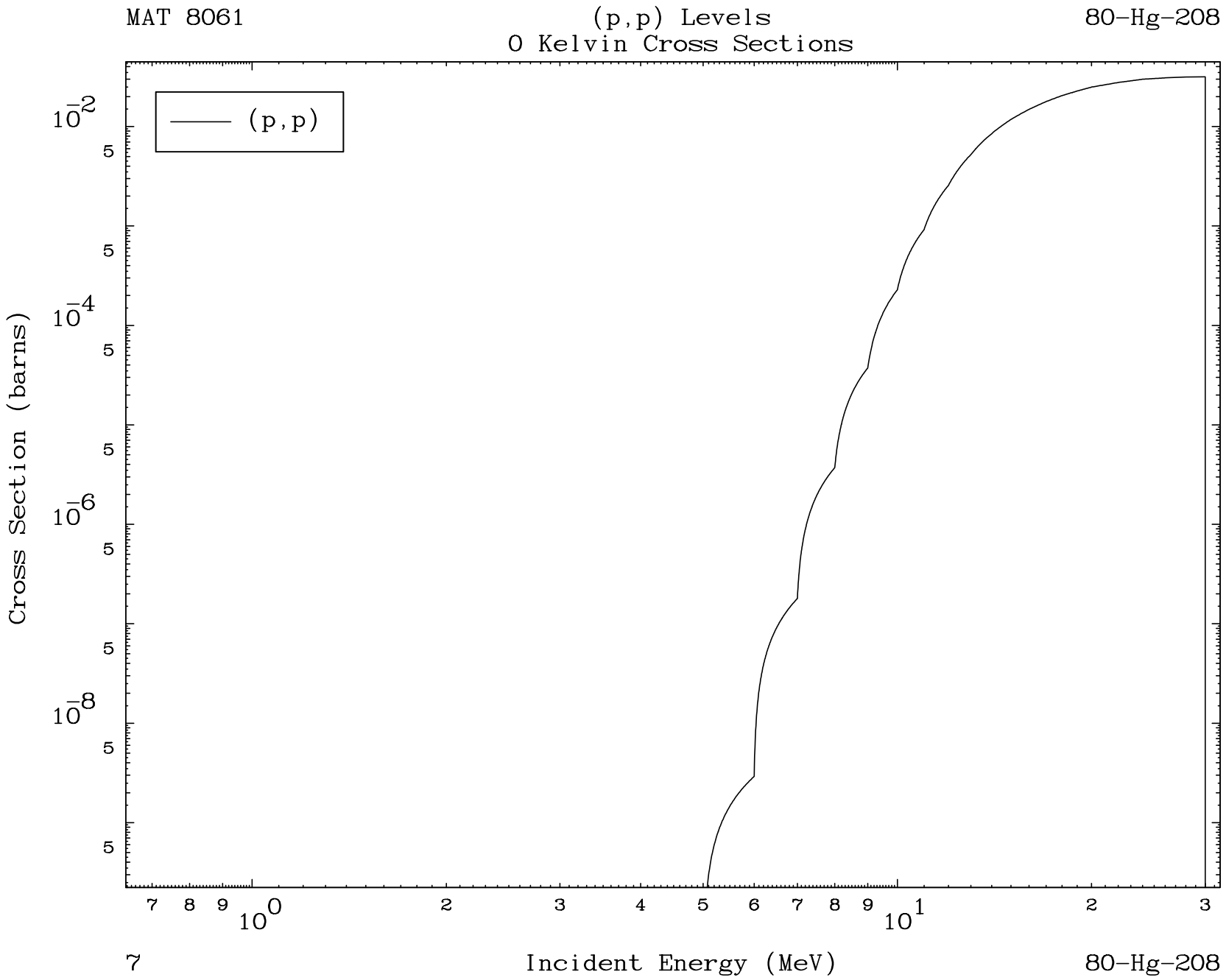

MAT 8061
Proton Neutron Production
0 Kelvin Cross Sections
80-Hg-208
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
80-Hg-208
2

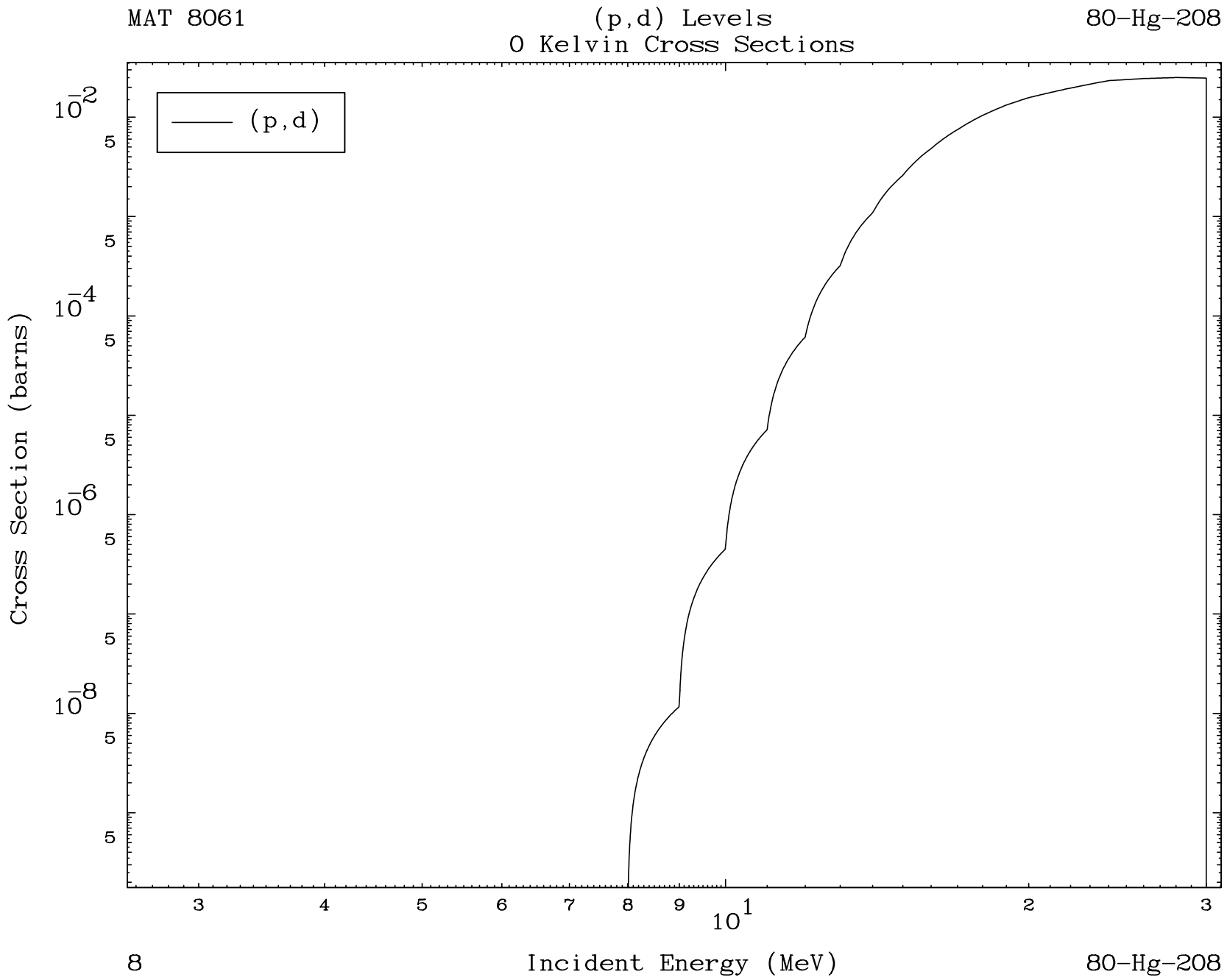

MAT 8061
Proton Neutron Production
0 Kelvin Cross Sections
80-Hg-208
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-208

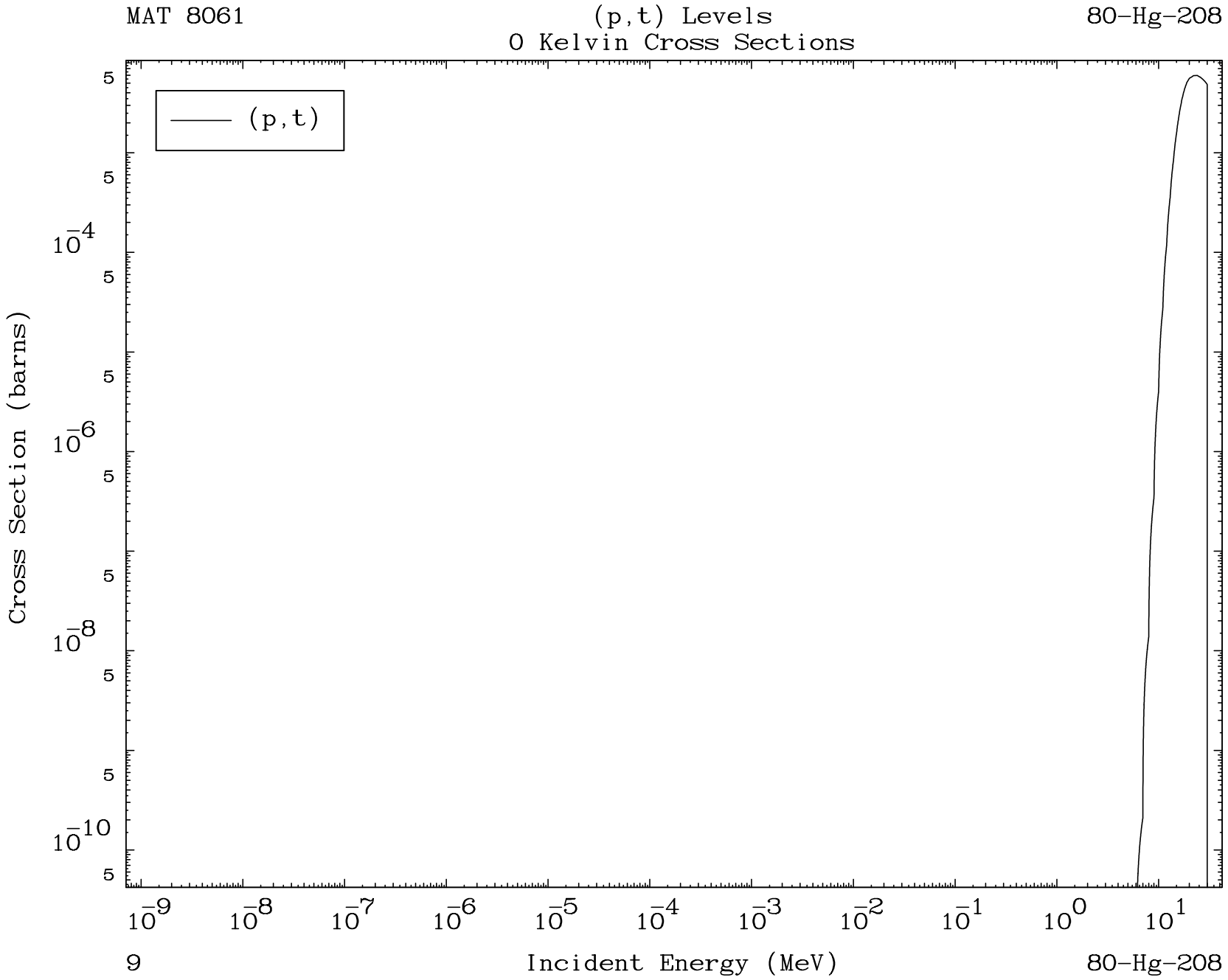

MAT 8061
Proton Charged Particle
0 Kelvin Cross Sections
80-Hg-208
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-208

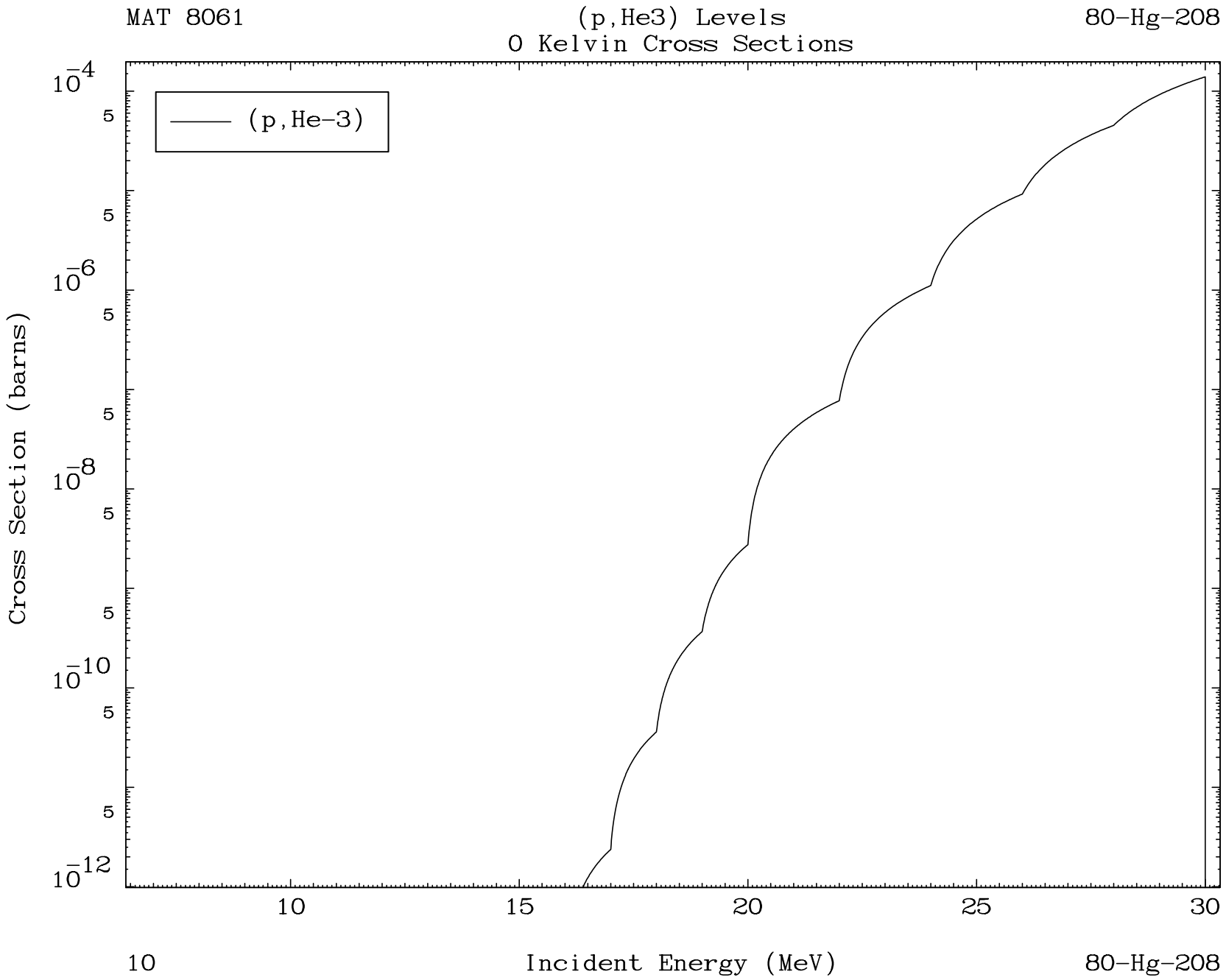

MAT 8061
Proton Charged Particle
0 Kelvin Cross Sections
80-Hg-208
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) α
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
80-Hg-208

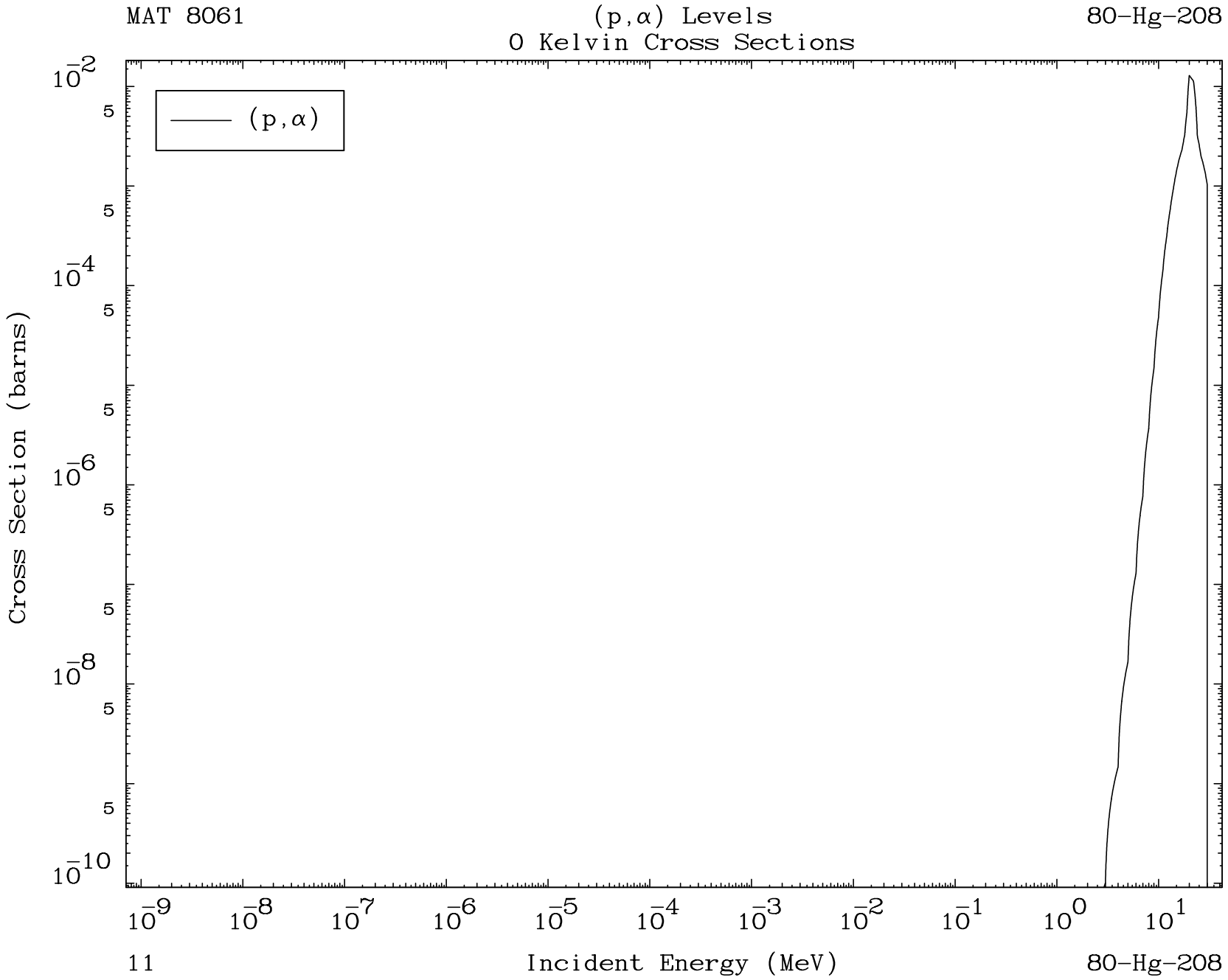

MAT 8061
(p,n') Level
80-Hg-208
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
10-9
10-8
10-7
10-6
10-5
10-4
10-3
10-2
10-1
100
101
Incident Energy (MeV)
6
80-Hg-208

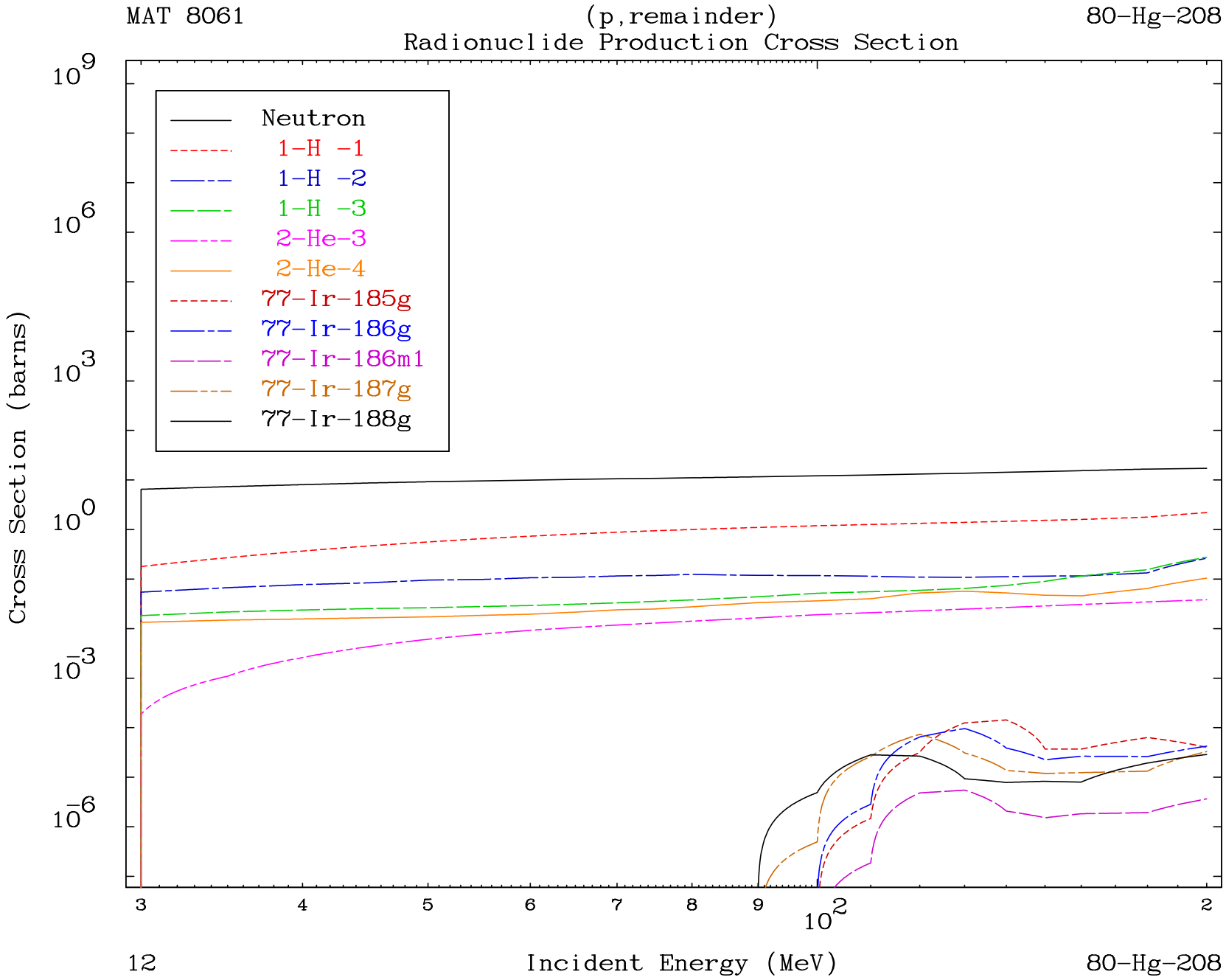

MAT 8061
(p,p) Levels
80-Hg-208
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
Incident Energy (MeV)
7
80-Hg-208

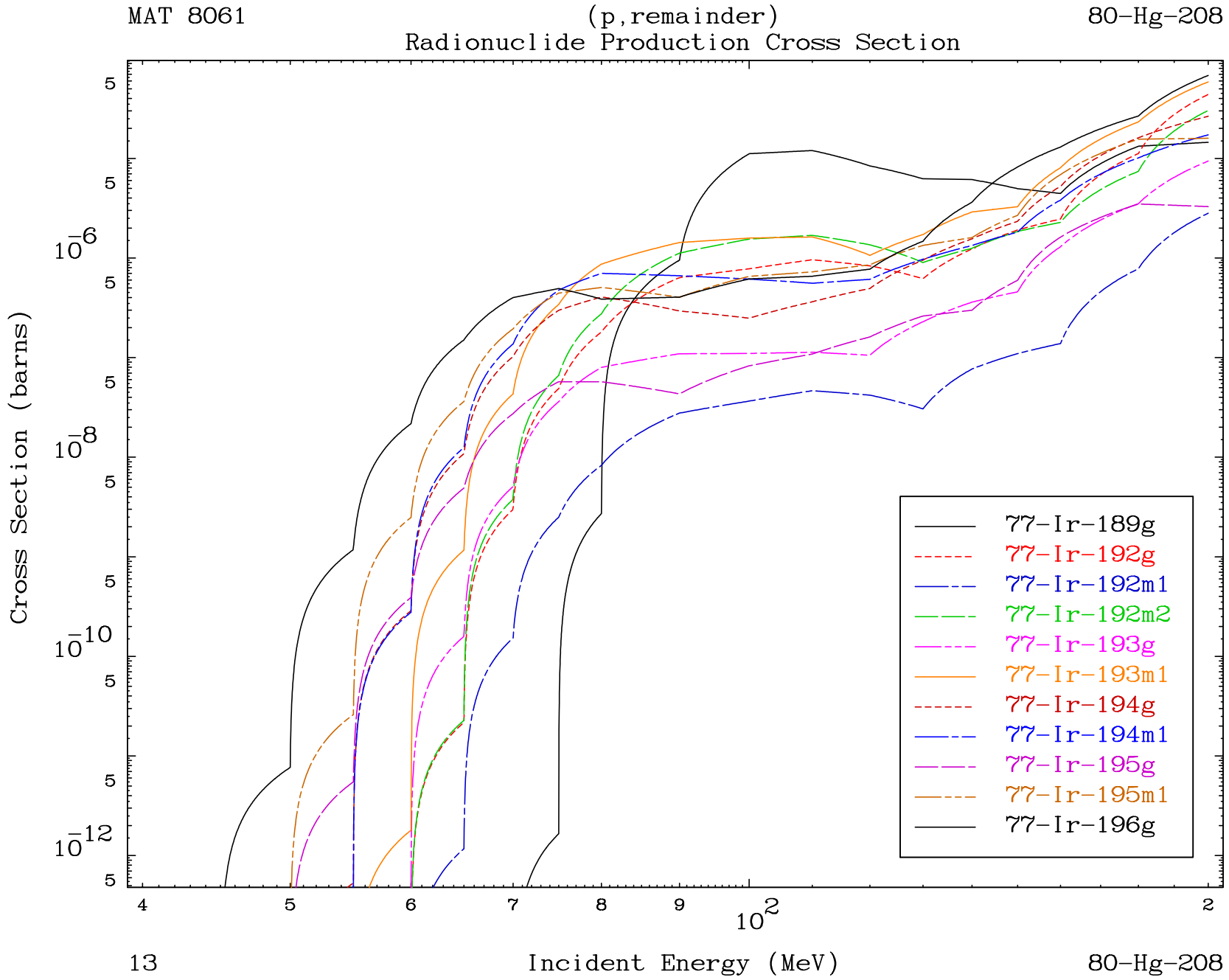

MAT 8061
(p,d) Levels
80-Hg-208
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
3
4
5
6
7
8
9
101
2
3
Incident Energy (MeV)
8
80-Hg-208

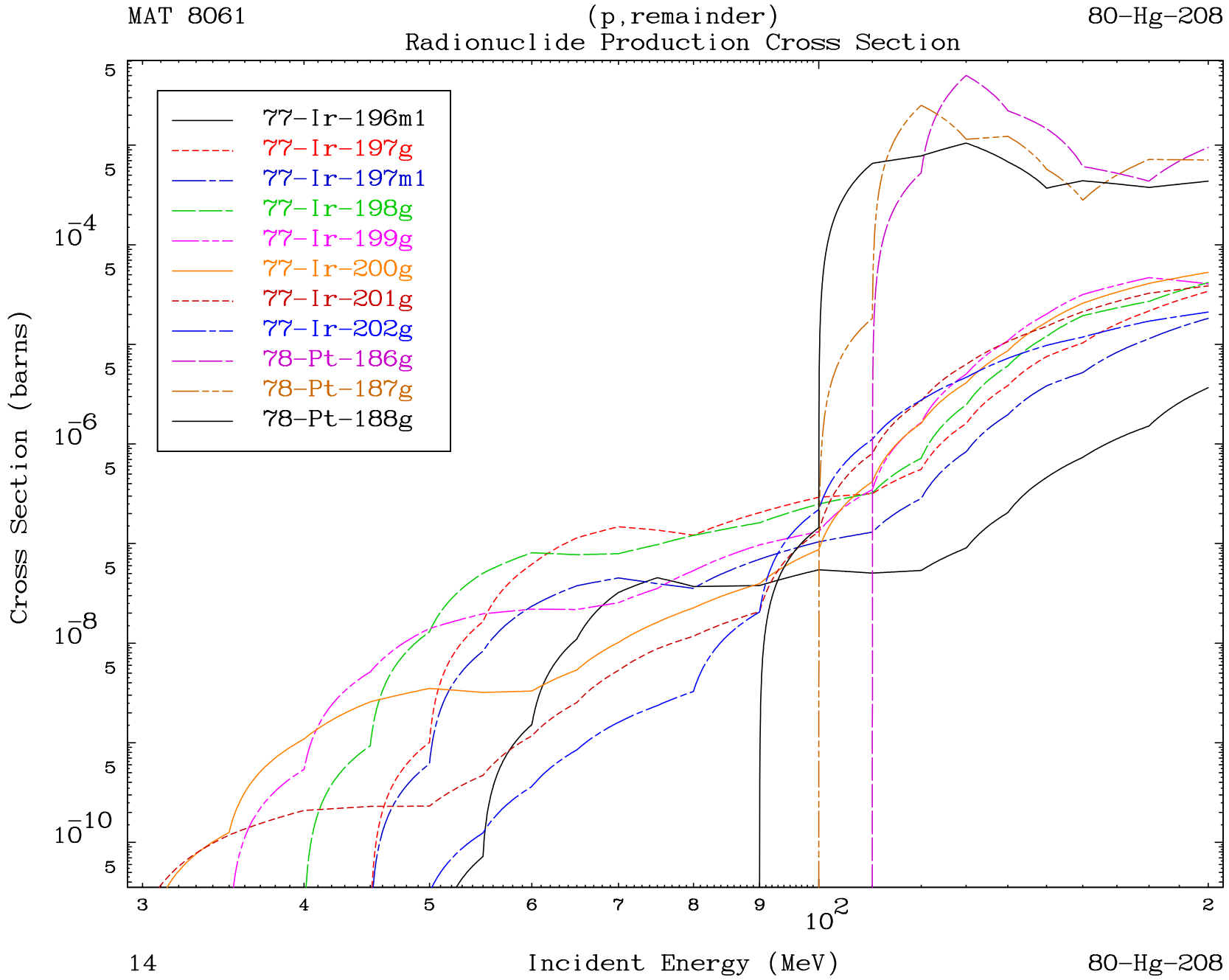

MAT 8061
(p,t) Levels
80-Hg-208
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-208

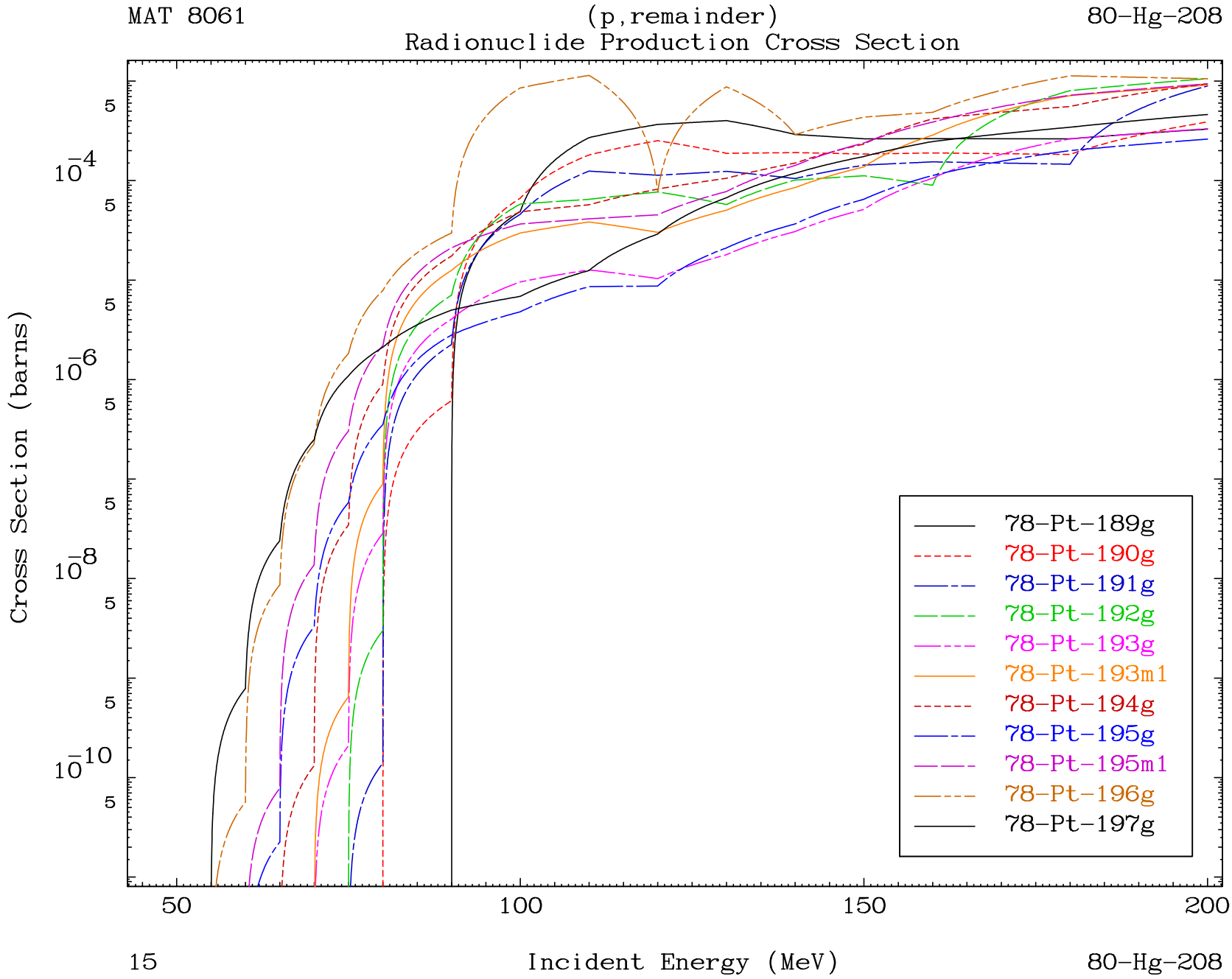

MAT 8061
(p,He3) Levels
80-Hg-208
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
10
15
20
25
30
10
Incident Energy (MeV)
80-Hg-208

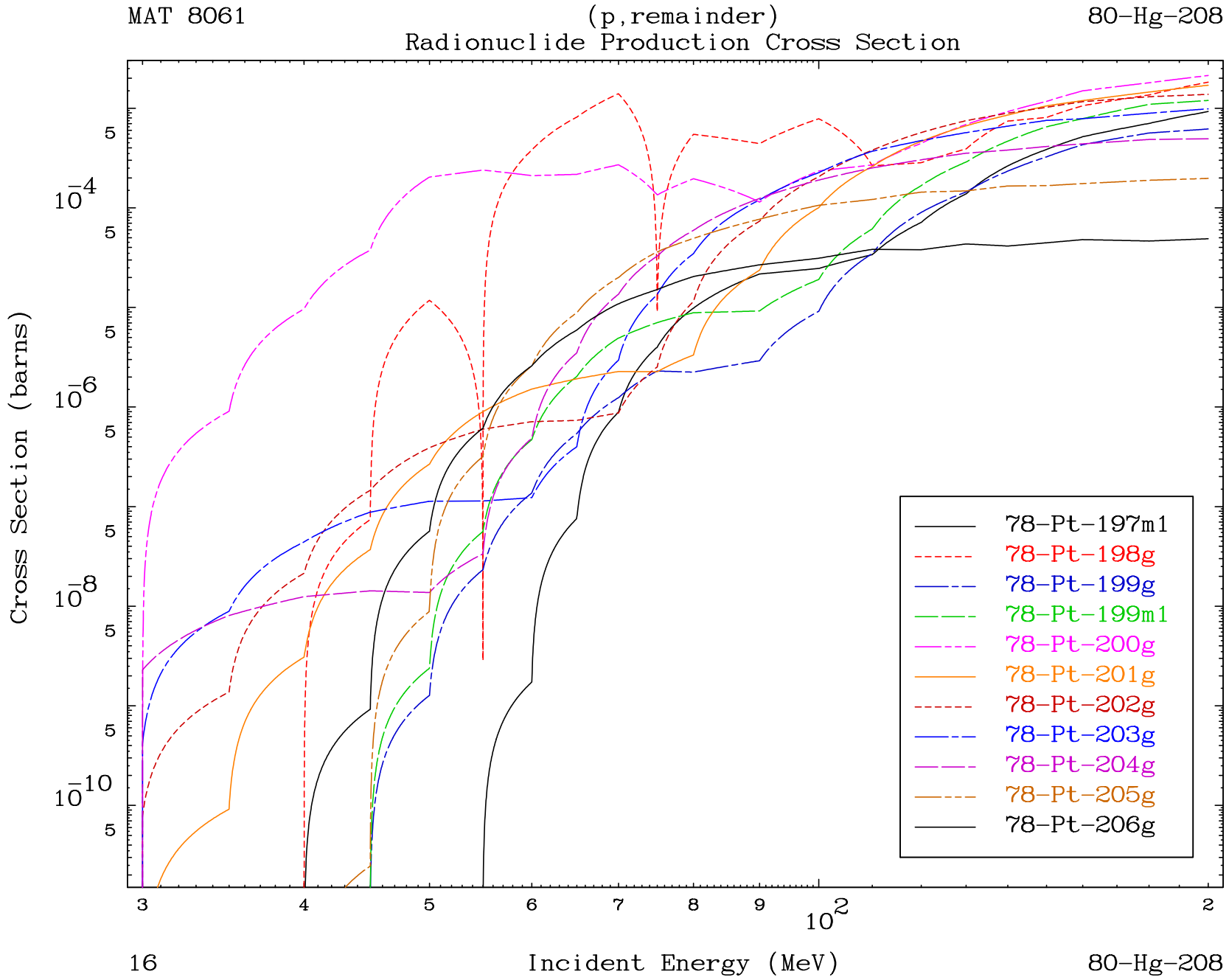

MAT 8061
(p,α) Levels
80-Hg-208
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
80-Hg-208


MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Neutron
1-H -1
1-H -2
1-H -3
2-He-3
2-He-4
77-Ir-185g
77-Ir-186g
77-Ir-186m1
77-Ir-187g
77-Ir-188g
Cross Section (barns)
10^9
10^6
10^3
10^0
10^-3
10^-6
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
80-Hg-208

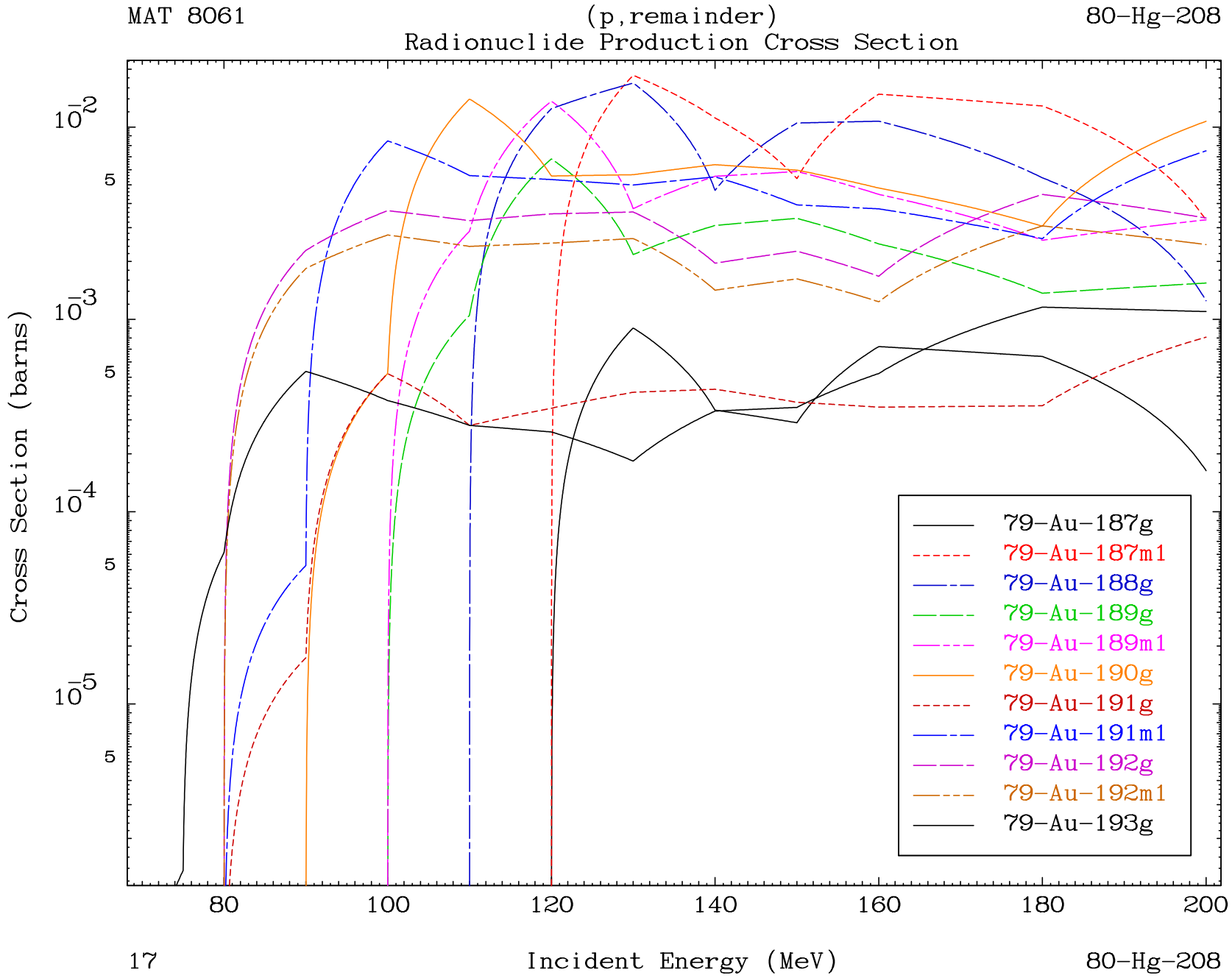

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
4
6
7
8
9
10^2
2
77-Ir-189g
77-Ir-192g
77-Ir-192m1
77-Ir-192m2
77-Ir-193g
77-Ir-193m1
77-Ir-194g
77-Ir-194m1
77-Ir-195g
77-Ir-195m1
77-Ir-196g
13
Incident Energy (MeV)
80-Hg-208


MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
77-Ir-196m1
77-Ir-197g
77-Ir-197m1
77-Ir-198g
77-Ir-199g
77-Ir-200g
77-Ir-201g
77-Ir-202g
78-Pt-186g
78-Pt-187g
78-Pt-188g
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
80-Hg-208

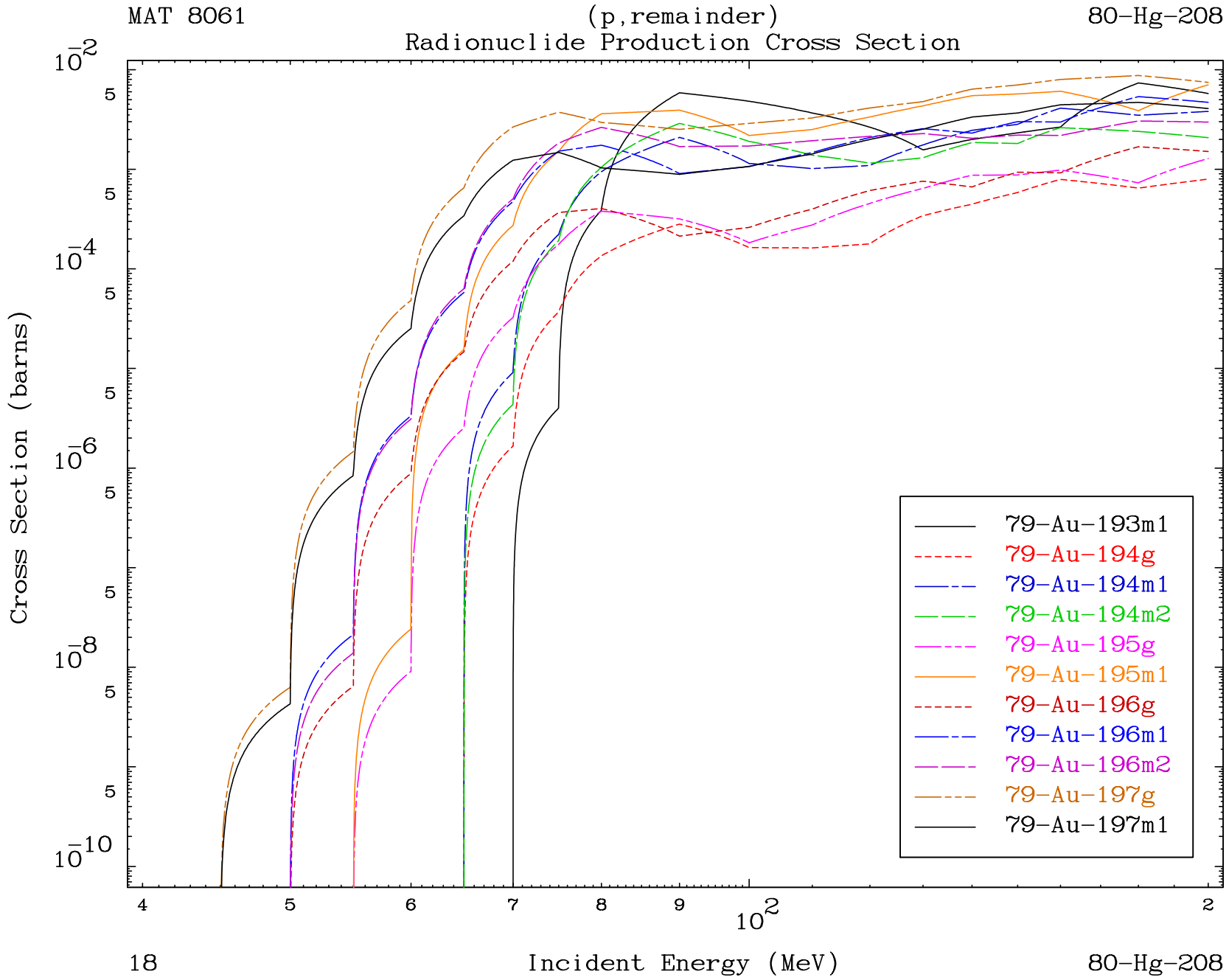

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
50
100
150
200
15
Incident Energy (MeV)
80-Hg-208
78-Pt-189g
78-Pt-190g
78-Pt-191g
78-Pt-192g
78-Pt-193g
78-Pt-193m1
78-Pt-194g
78-Pt-195g
78-Pt-195m1
78-Pt-196g
78-Pt-197g

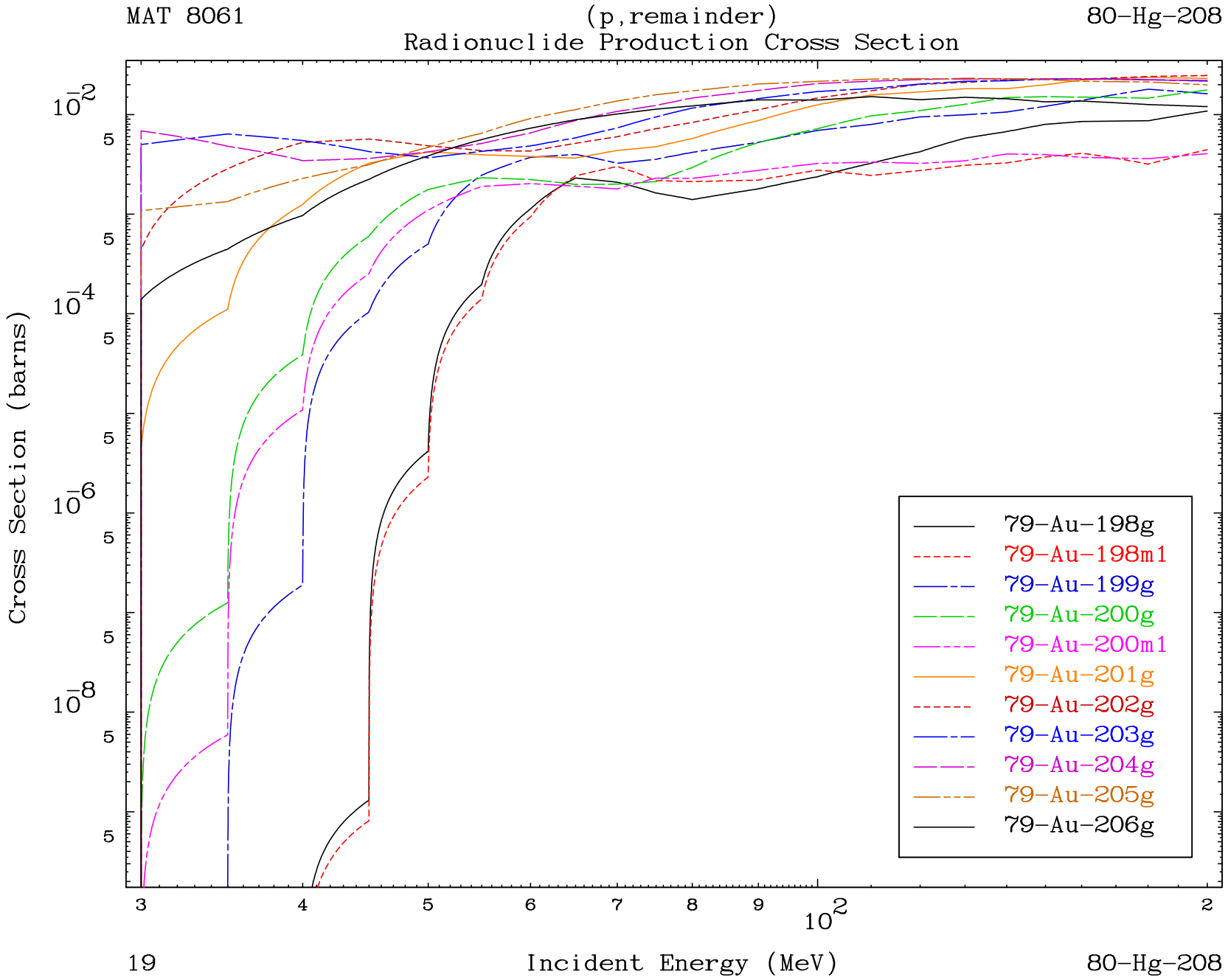

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
78-Pt-197m1
78-Pt-198g
78-Pt-199g
78-Pt-199m1
78-Pt-200g
78-Pt-201g
78-Pt-202g
78-Pt-203g
78-Pt-204g
78-Pt-205g
78-Pt-206g

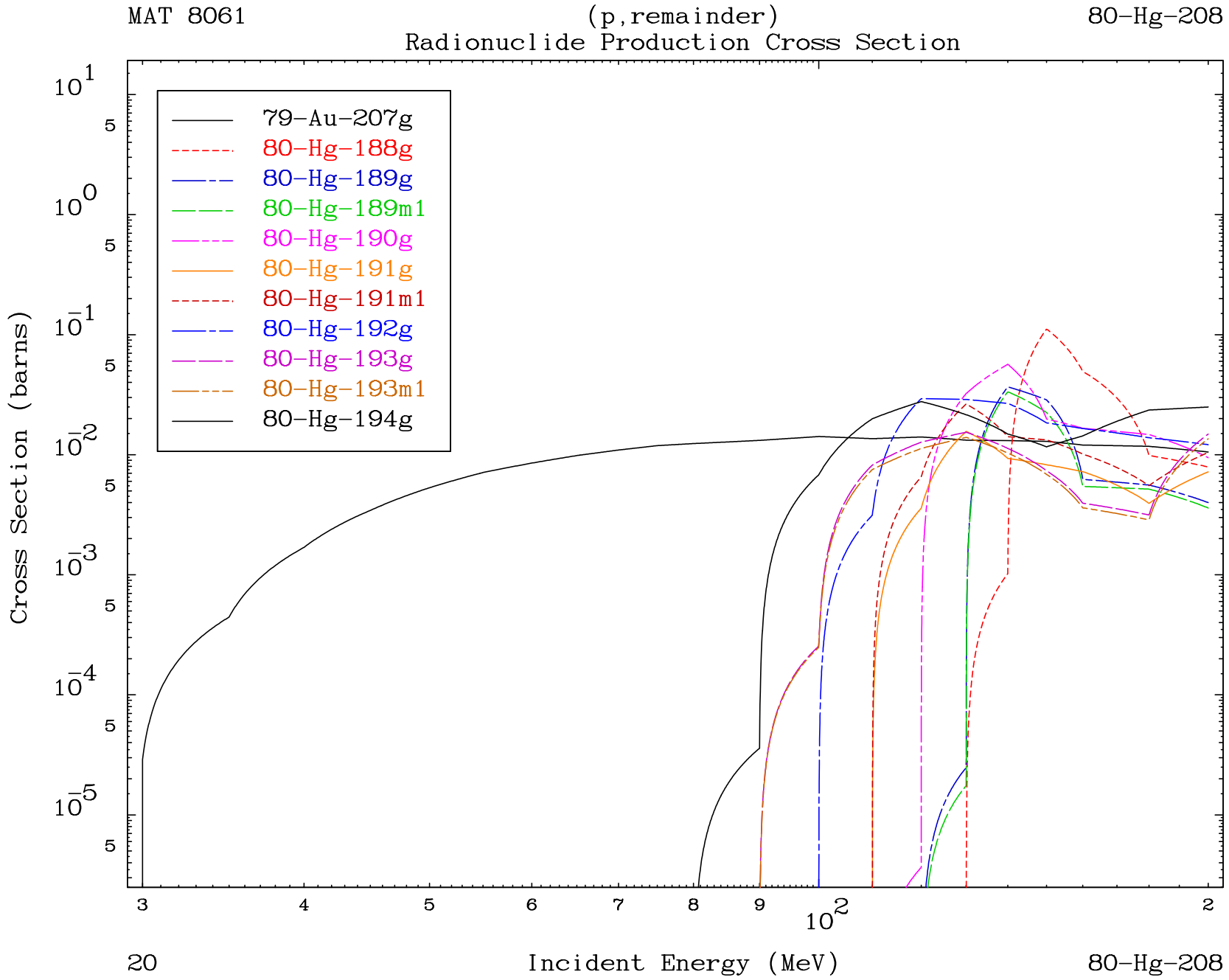
80-Hg-208

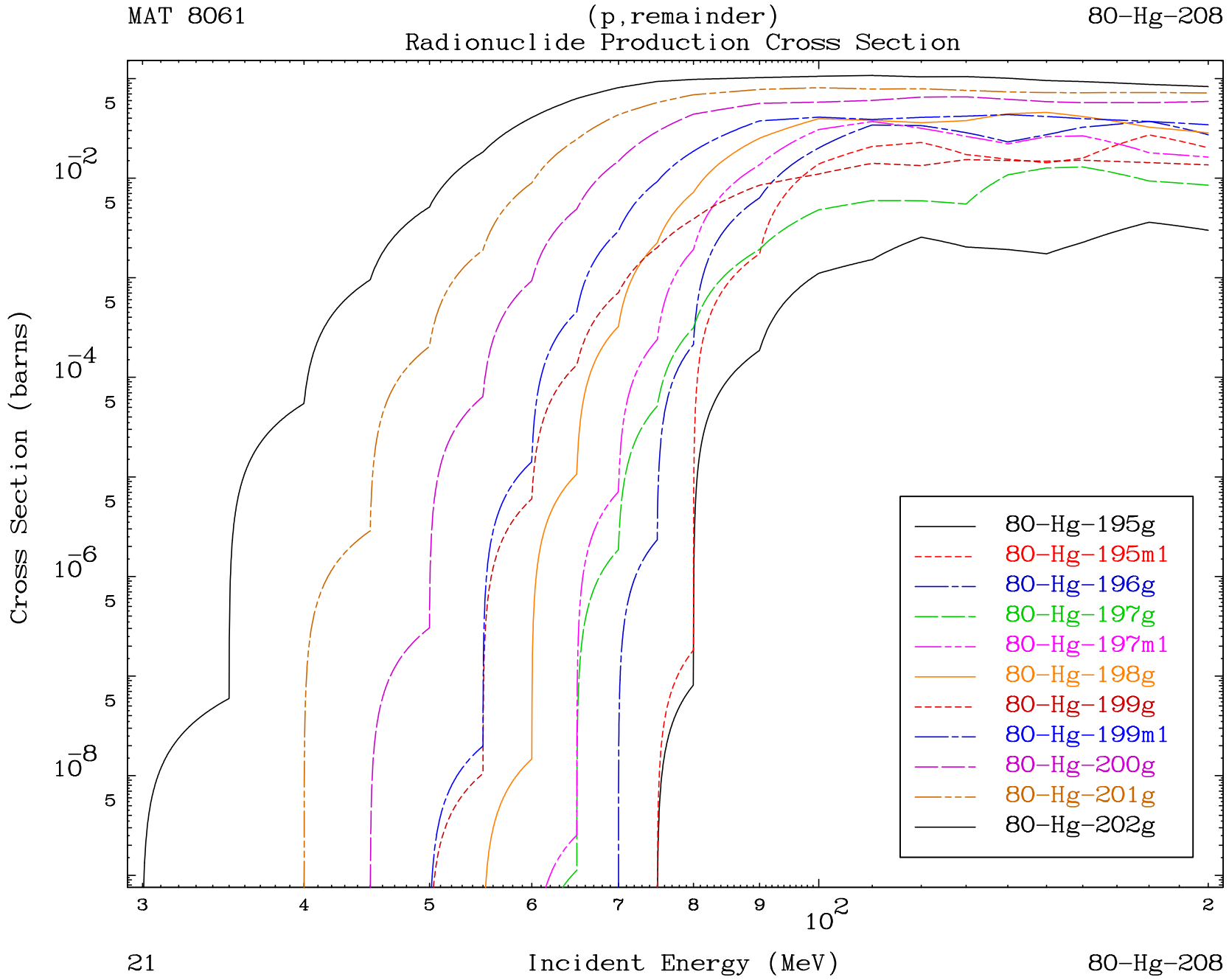

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
80
100
120
140
160
180
200
Incident Energy (MeV)
79-Au-187g
79-Au-187m1
79-Au-188g
79-Au-189g
79-Au-189m1
79-Au-190g
79-Au-191g
79-Au-191m1
79-Au-192g
79-Au-192m1
79-Au-193g

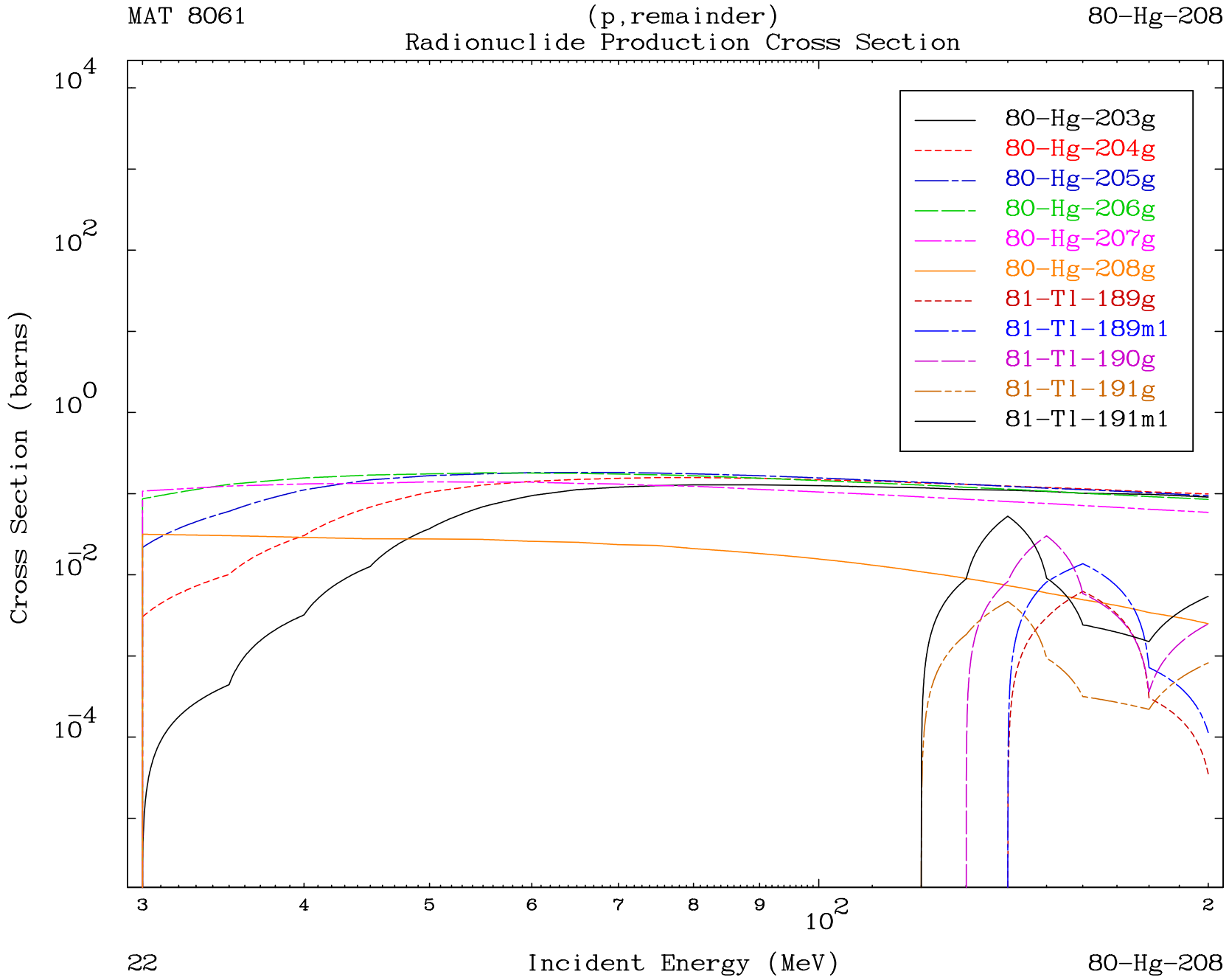
80-Hg-208

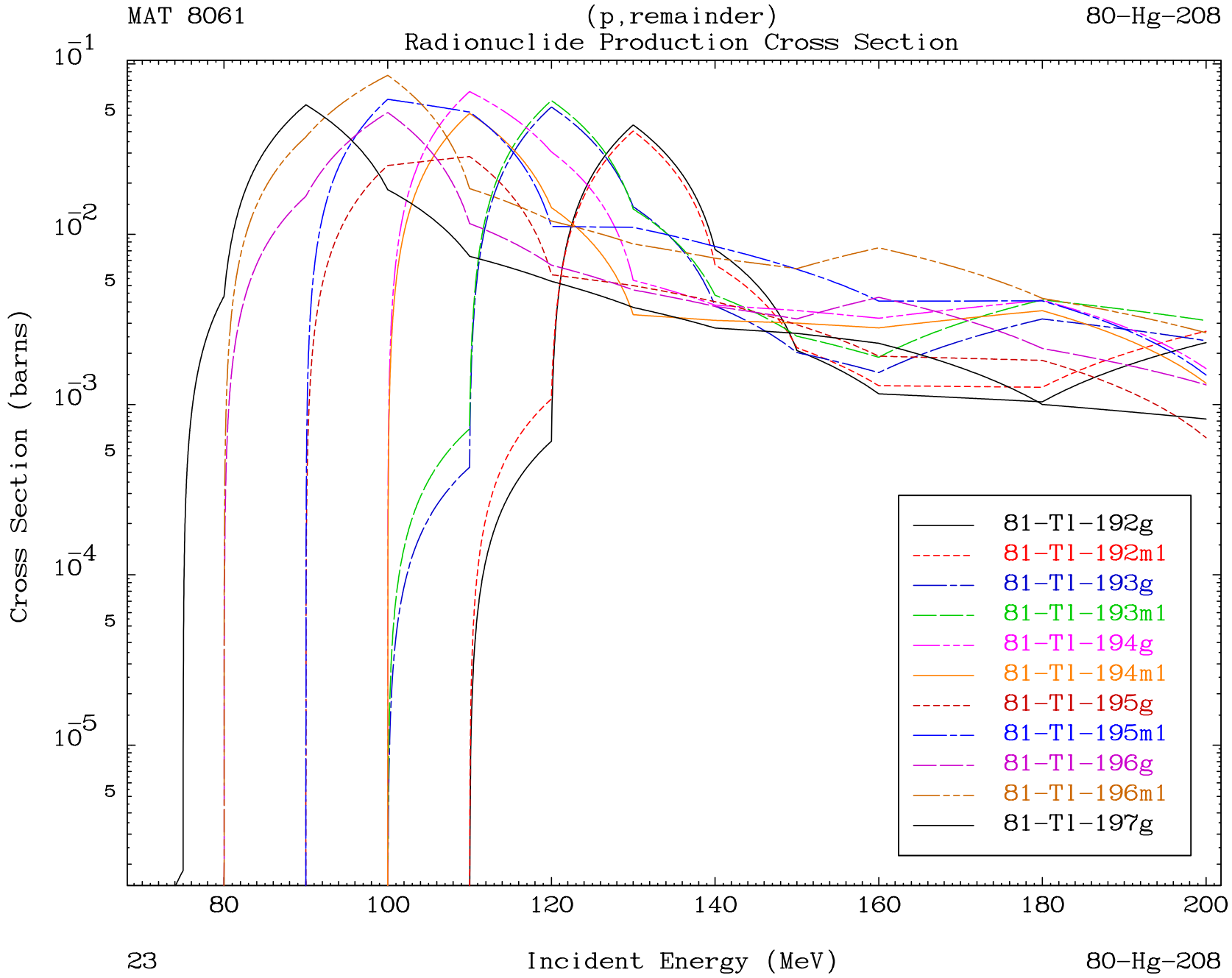

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
18
80-Hg-208
79-Au-193m1
79-Au-194g
79-Au-194m1
79-Au-194m2
79-Au-195g
79-Au-195m1
79-Au-196g
79-Au-196m1
79-Au-196m2
79-Au-197g
79-Au-197m1

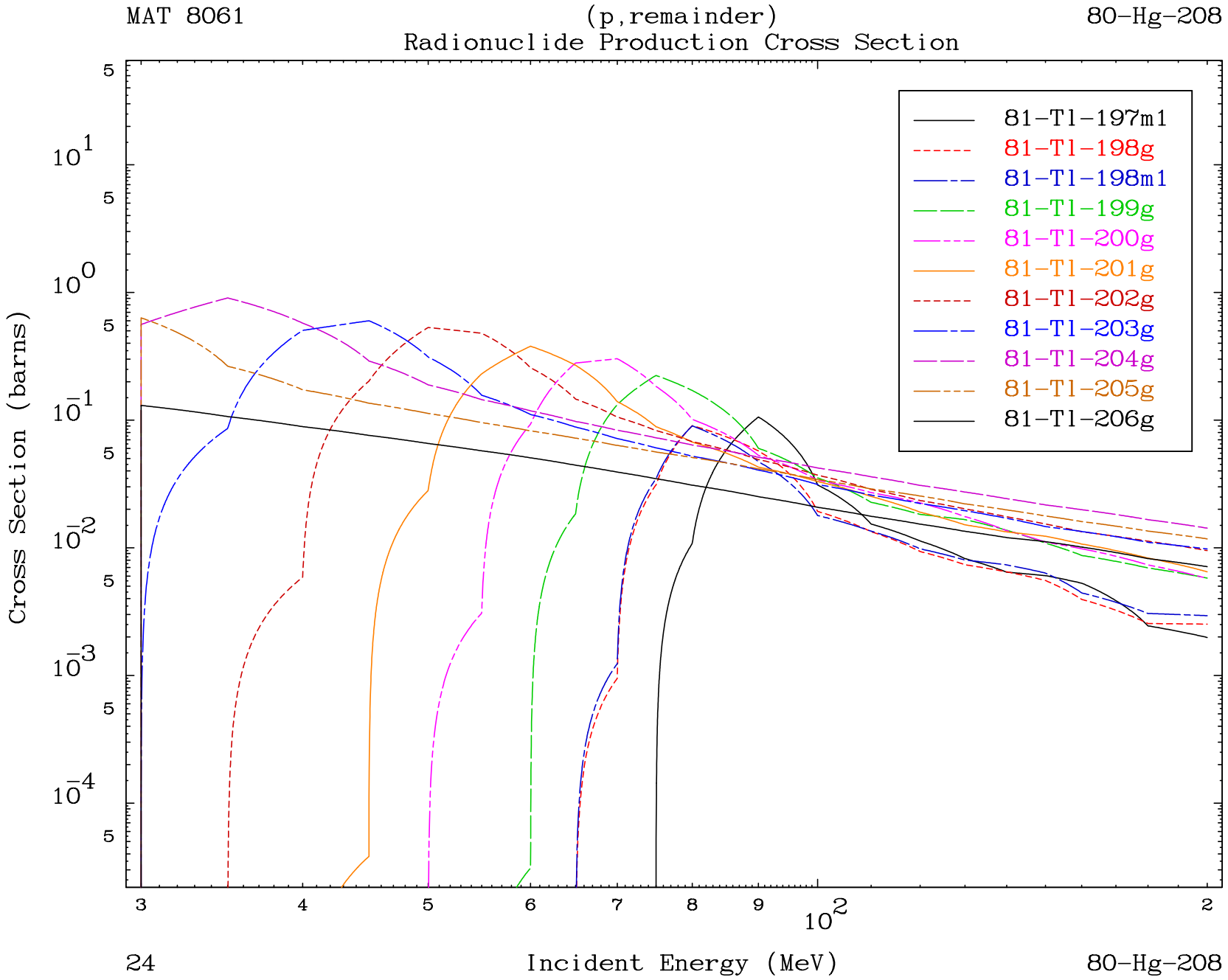

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
79-Au-198g
79-Au-198m1
79-Au-199g
79-Au-200g
79-Au-200m1
79-Au-201g
79-Au-202g
79-Au-203g
79-Au-204g
79-Au-205g
79-Au-206g

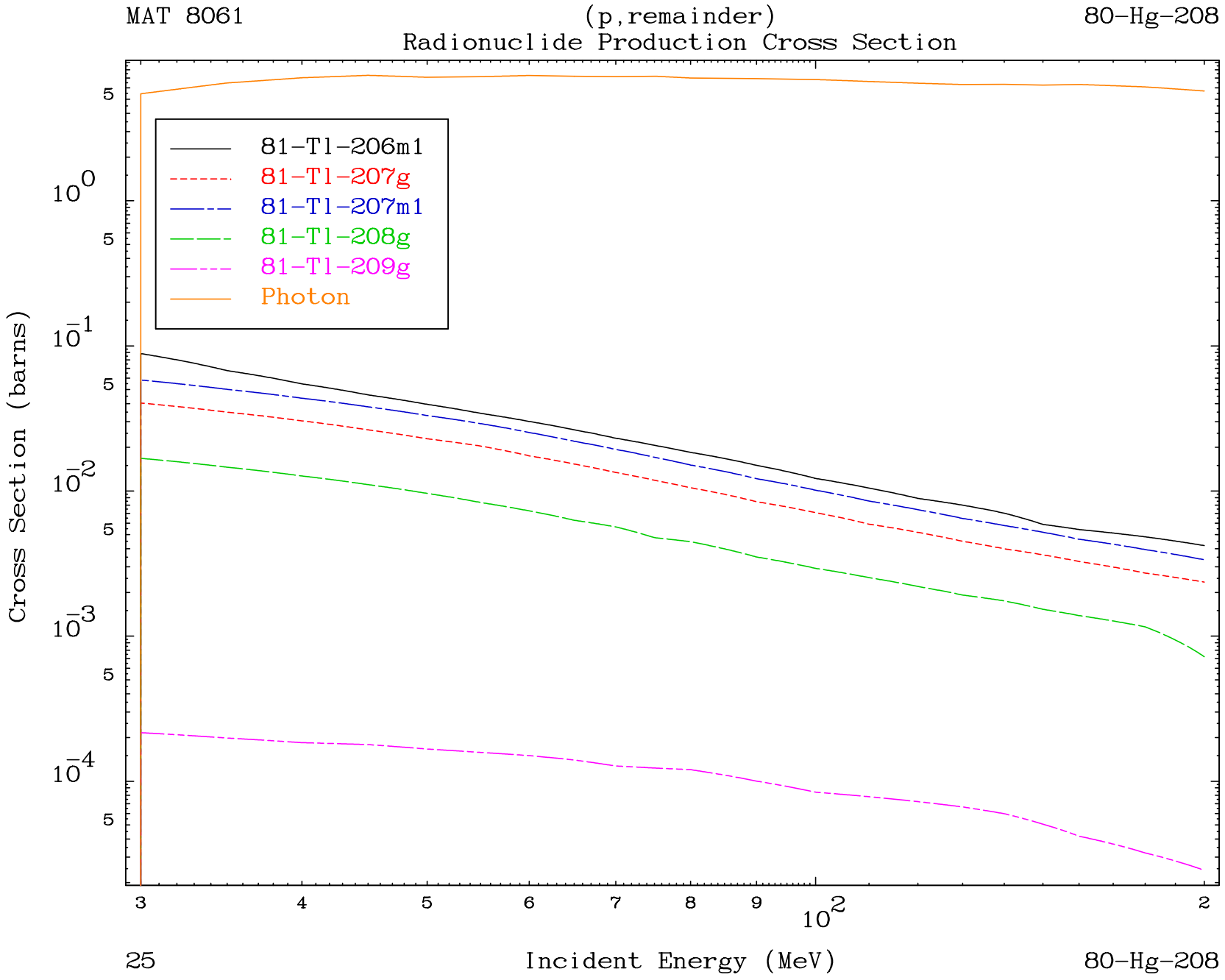

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
79-Au-207g
80-Hg-188g
80-Hg-189g
80-Hg-189m1
80-Hg-190g
80-Hg-191g
80-Hg-191m1
80-Hg-192g
80-Hg-193g
80-Hg-193m1
80-Hg-194g
Cross Section (barns)
Incident Energy (MeV)
20
80-Hg-208

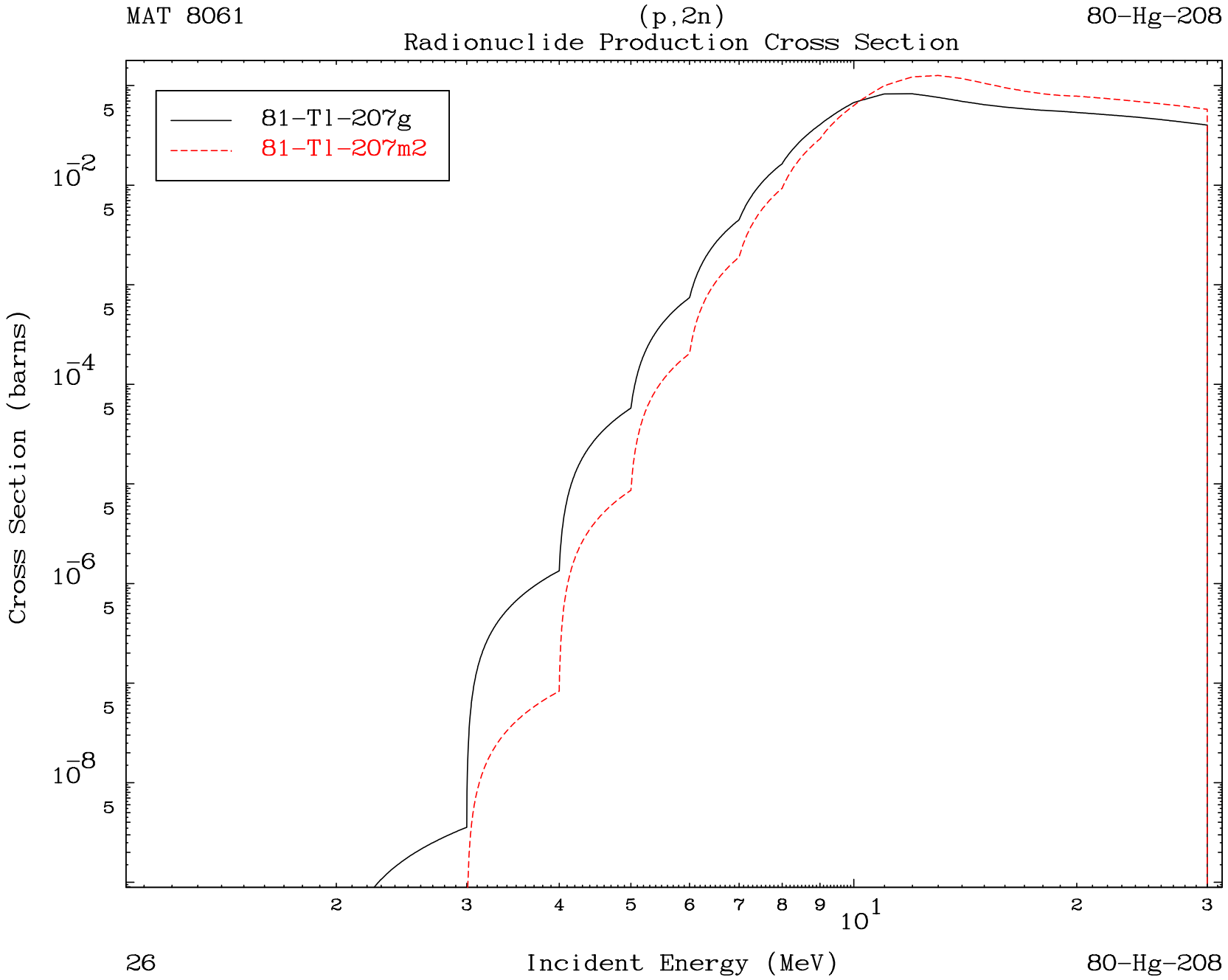

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
21
80-Hg-208
80-Hg-195g
80-Hg-195m1
80-Hg-196g
80-Hg-197g
80-Hg-197m1
80-Hg-198g
80-Hg-199g
80-Hg-199m1
80-Hg-200g
80-Hg-201g
80-Hg-202g

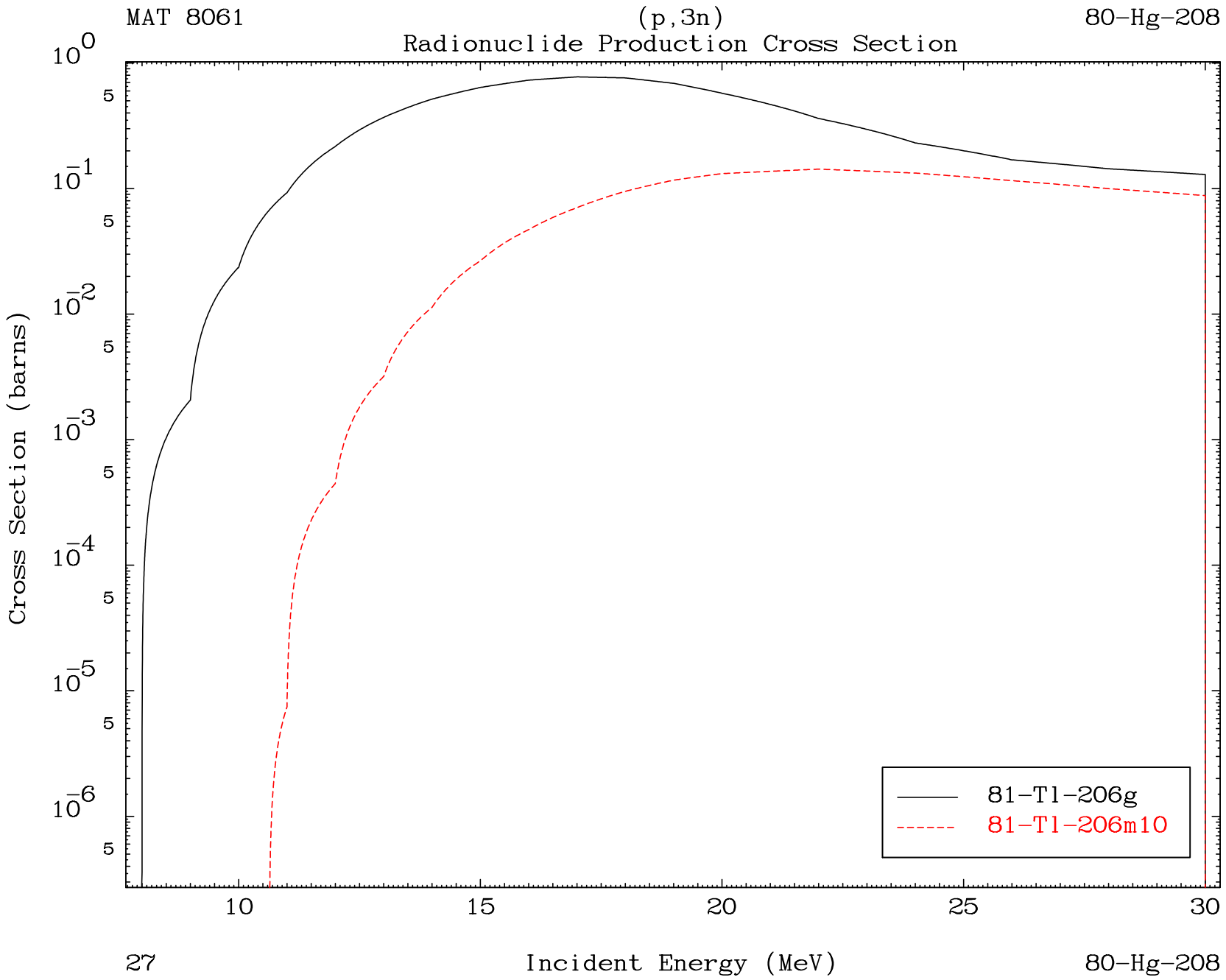

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10^4
10^2
10^0
10^-2
10^-4
80-Hg-203g
80-Hg-204g
80-Hg-205g
80-Hg-206g
80-Hg-207g
80-Hg-208g
81-Tl-189g
81-Tl-189m1
81-Tl-190g
81-Tl-191g
81-Tl-191m1
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
80-Hg-208

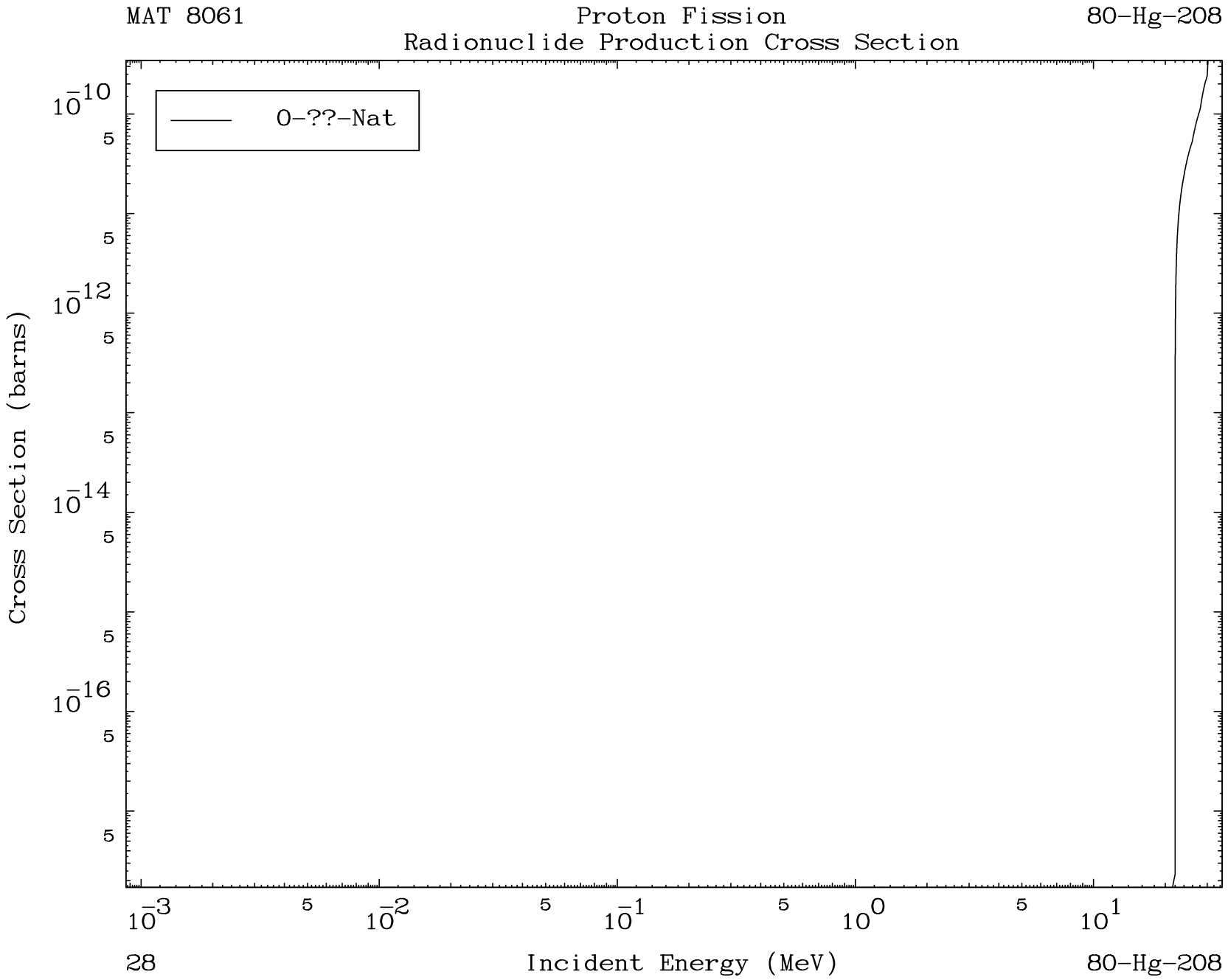

MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
23
80-Hg-208
81-Tl-192g
81-Tl-192m1
81-Tl-193g
81-Tl-193m1
81-Tl-194g
81-Tl-194m1
81-Tl-195g
81-Tl-195m1
81-Tl-196g
81-Tl-196m1
81-Tl-197g


MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
81-Tl-197m1
81-Tl-198g
81-Tl-198m1
81-Tl-199g
81-Tl-200g
81-Tl-201g
81-Tl-202g
81-Tl-203g
81-Tl-204g
81-Tl-205g
81-Tl-206g
Cross Section (barns)
Incident Energy (MeV)
24
80-Hg-208


MAT 8061
(p,remainder)
80-Hg-208
Radionuclide Production Cross Section
81-Tl-206m1
81-Tl-207g
81-Tl-207m1
81-Tl-208g
81-Tl-209g
Photon
Cross Section (barns)
10^0
10^-1
10^-2
10^-3
10^-4
5
3
4
5
6
7
8
9
10^2
2
25
Incident Energy (MeV)
80-Hg-208


MAT 8061
(p,2n)
80-Hg-208
Radionuclide Production Cross Section
81-Tl-207g
81-Tl-207m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
101
2
3
26
Incident Energy (MeV)
80-Hg-208


MAT 8061
(p,3n)
80-Hg-208
Radionuclide Production Cross Section
Cross Section (barns)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
5
10
15
20
25
30
81-Tl-206g
81-Tl-206m10
27
Incident Energy (MeV)
80-Hg-208


MAT 8061
Proton Fission
80-Hg-208
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^-3
10^-2
10^-1
10^0
10^1
Incident Energy (MeV)
28
80-Hg-208