Program EVALPLOT
(Version 2017-1)
by
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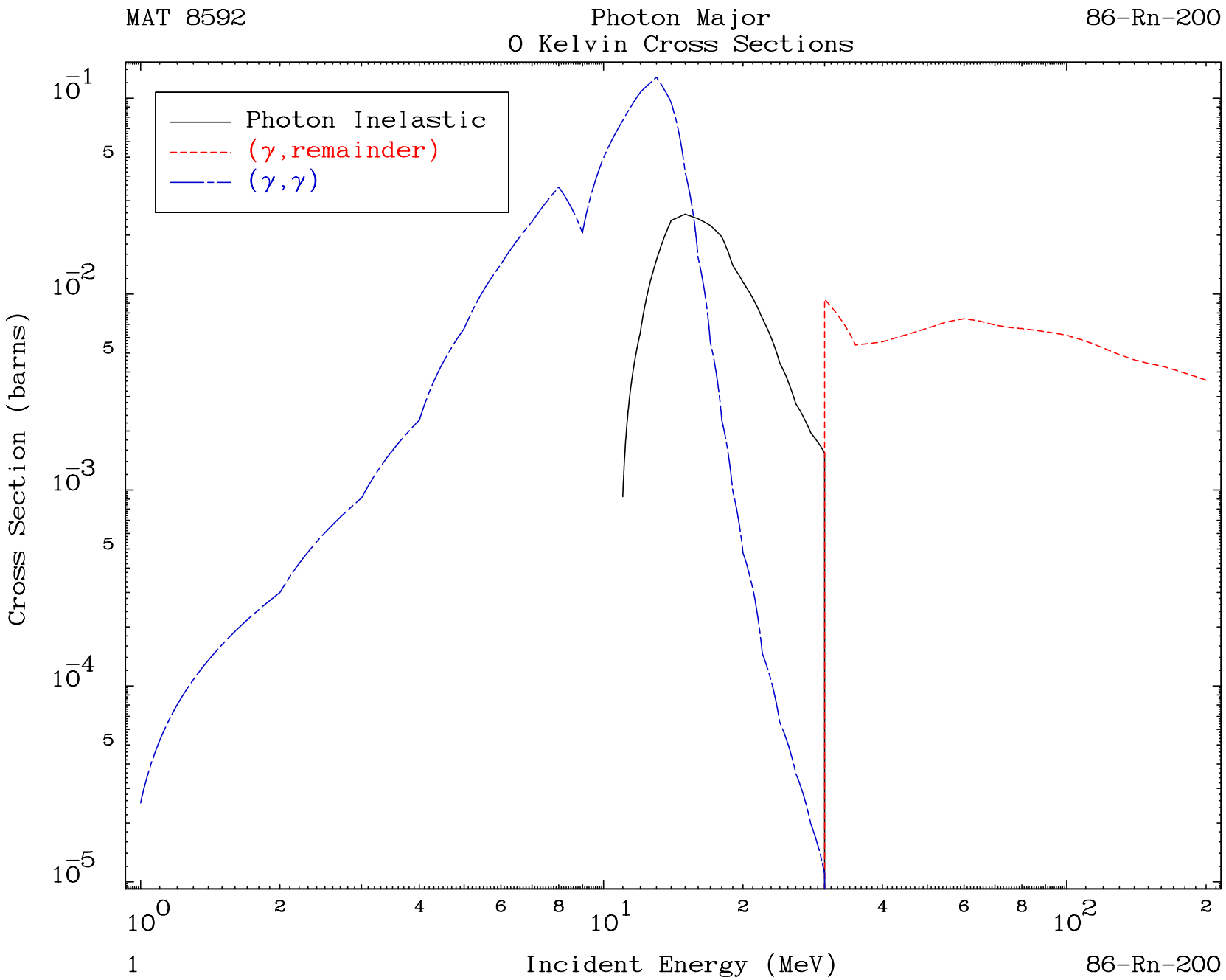
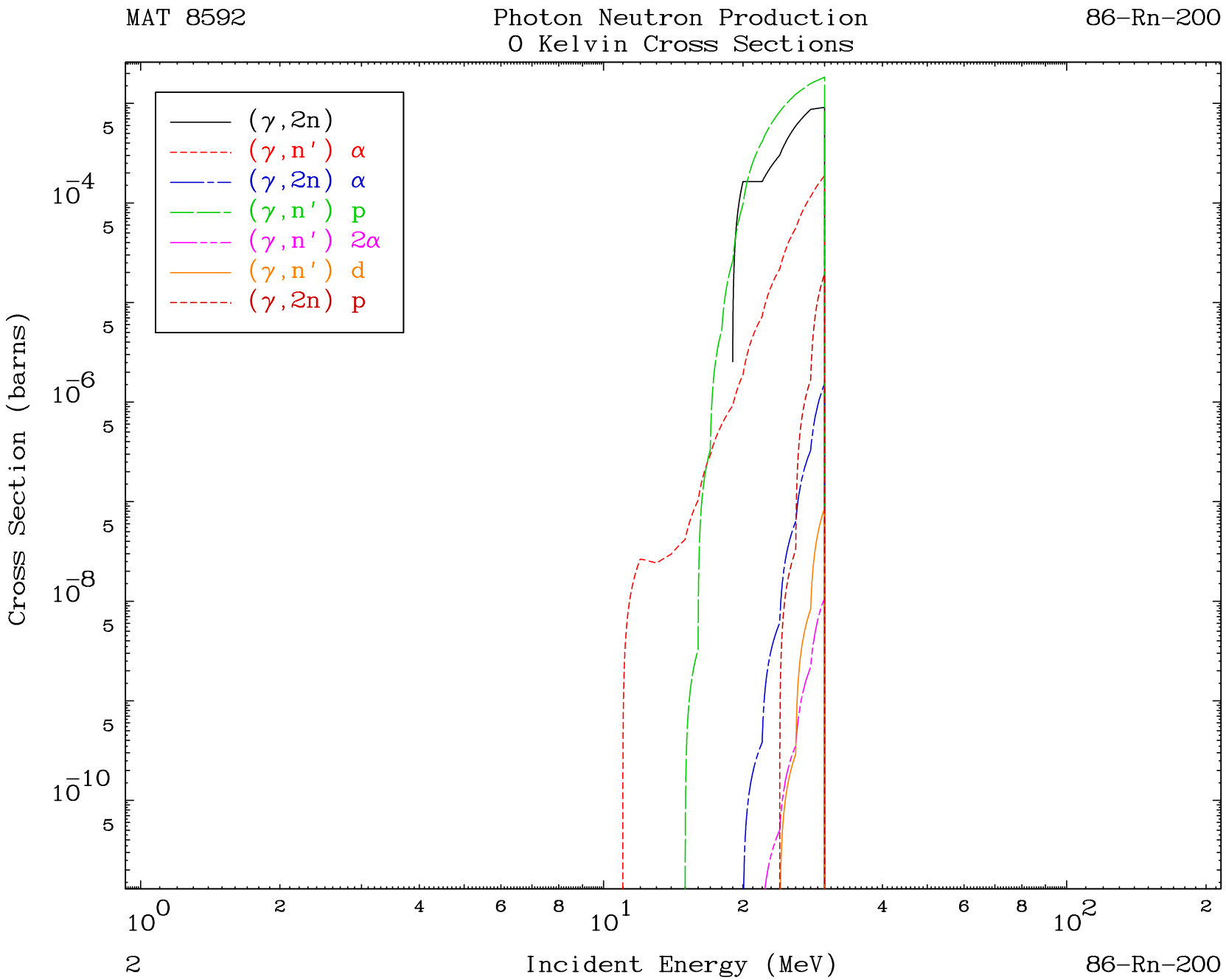
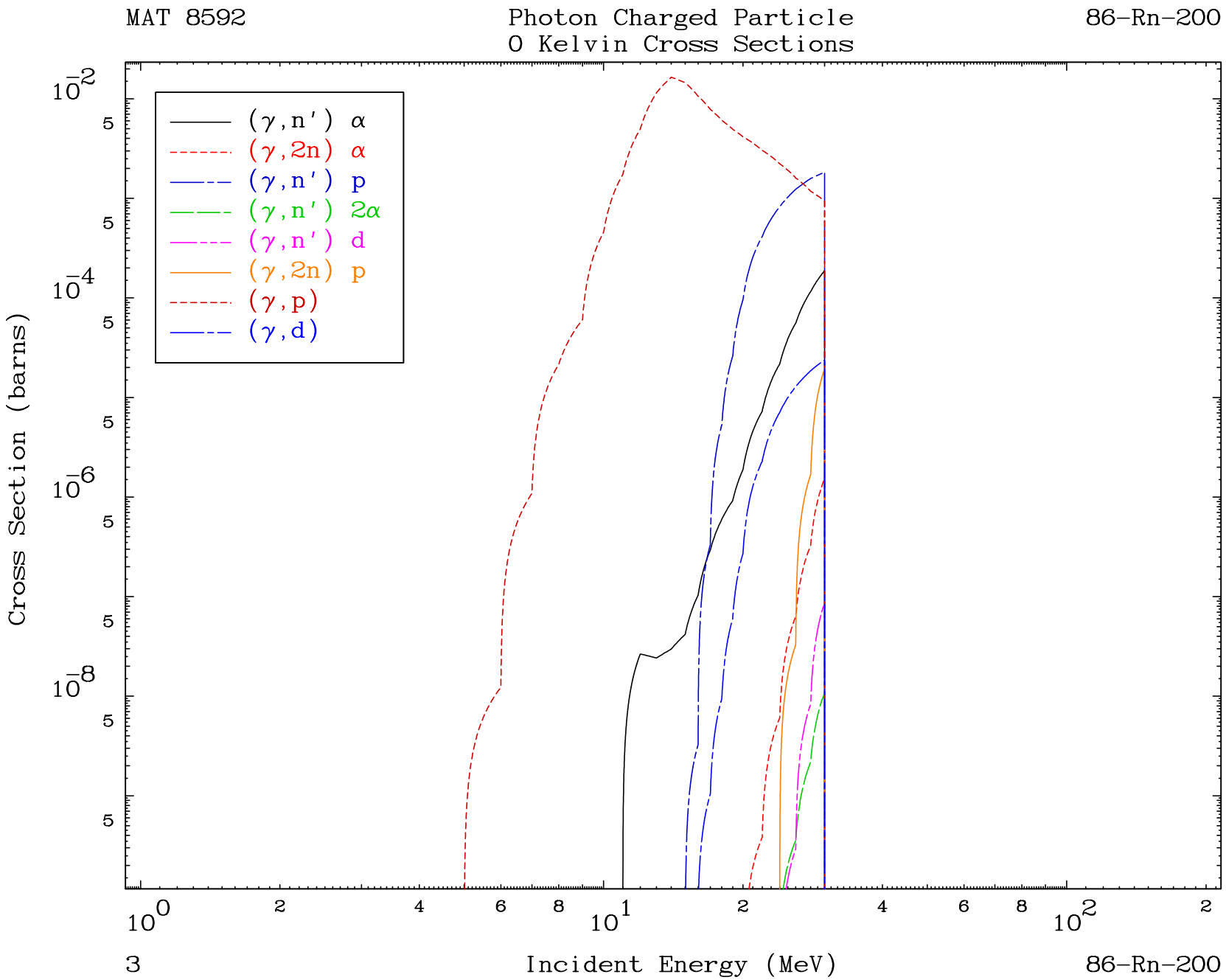
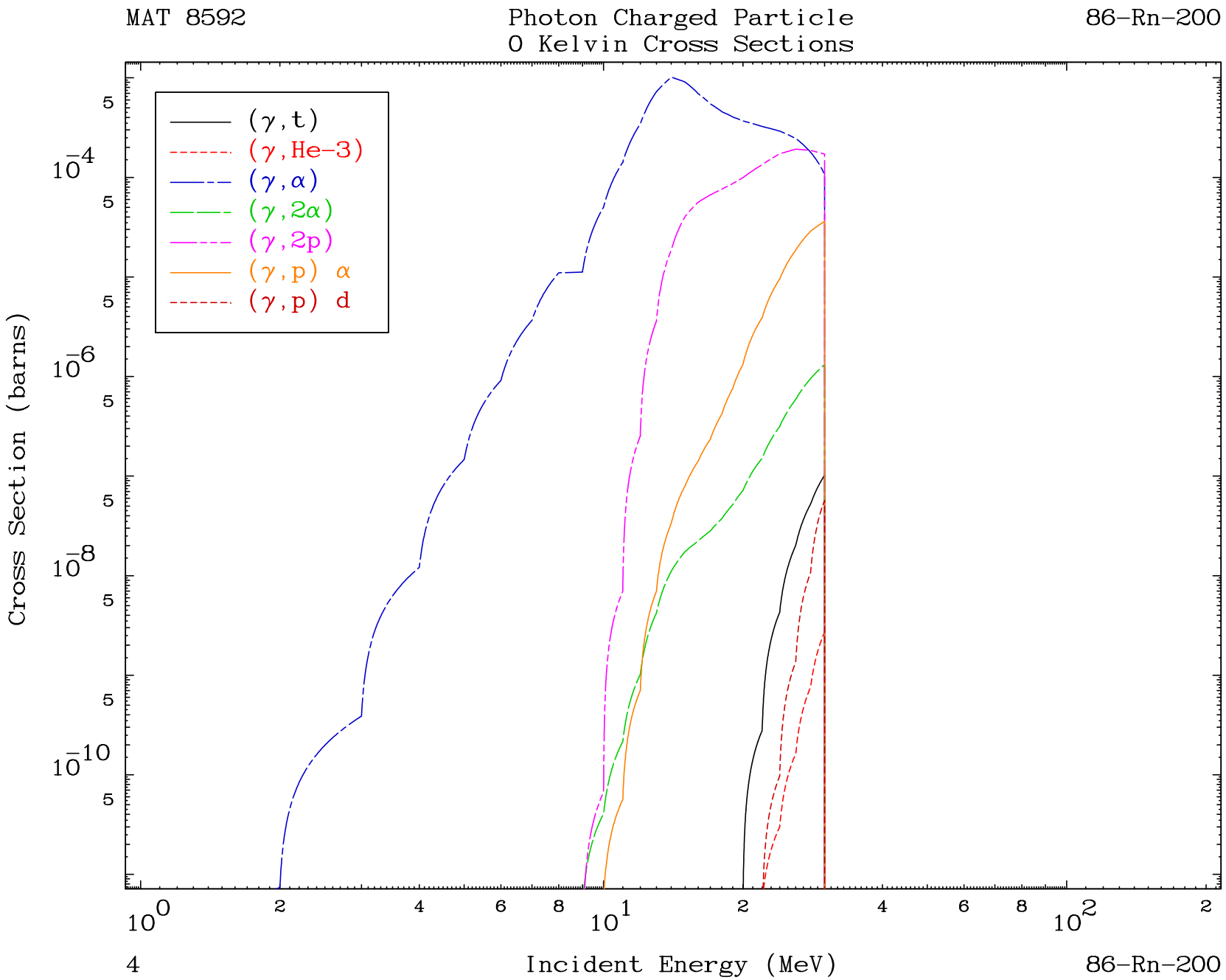
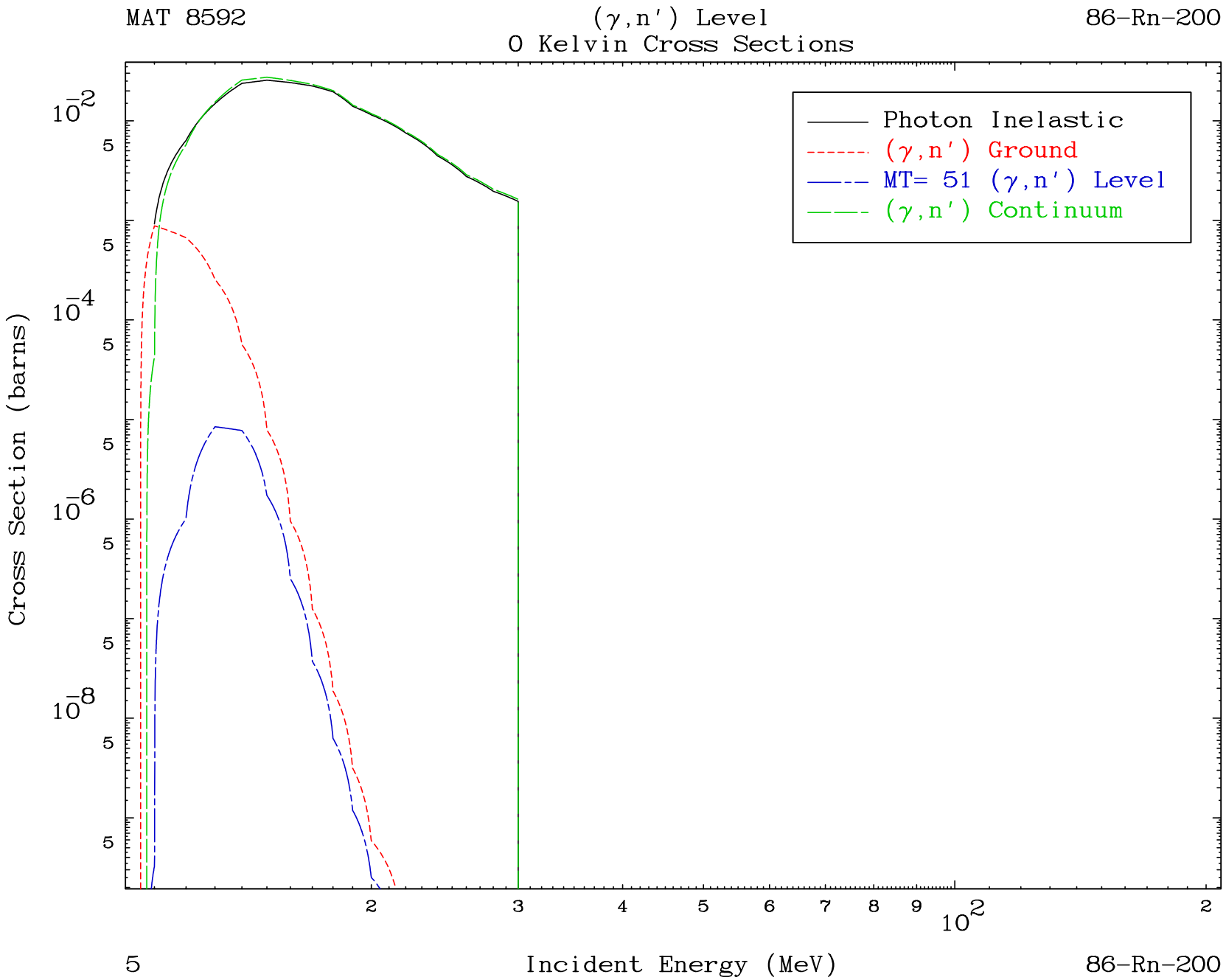
Press Mouse Button to Start

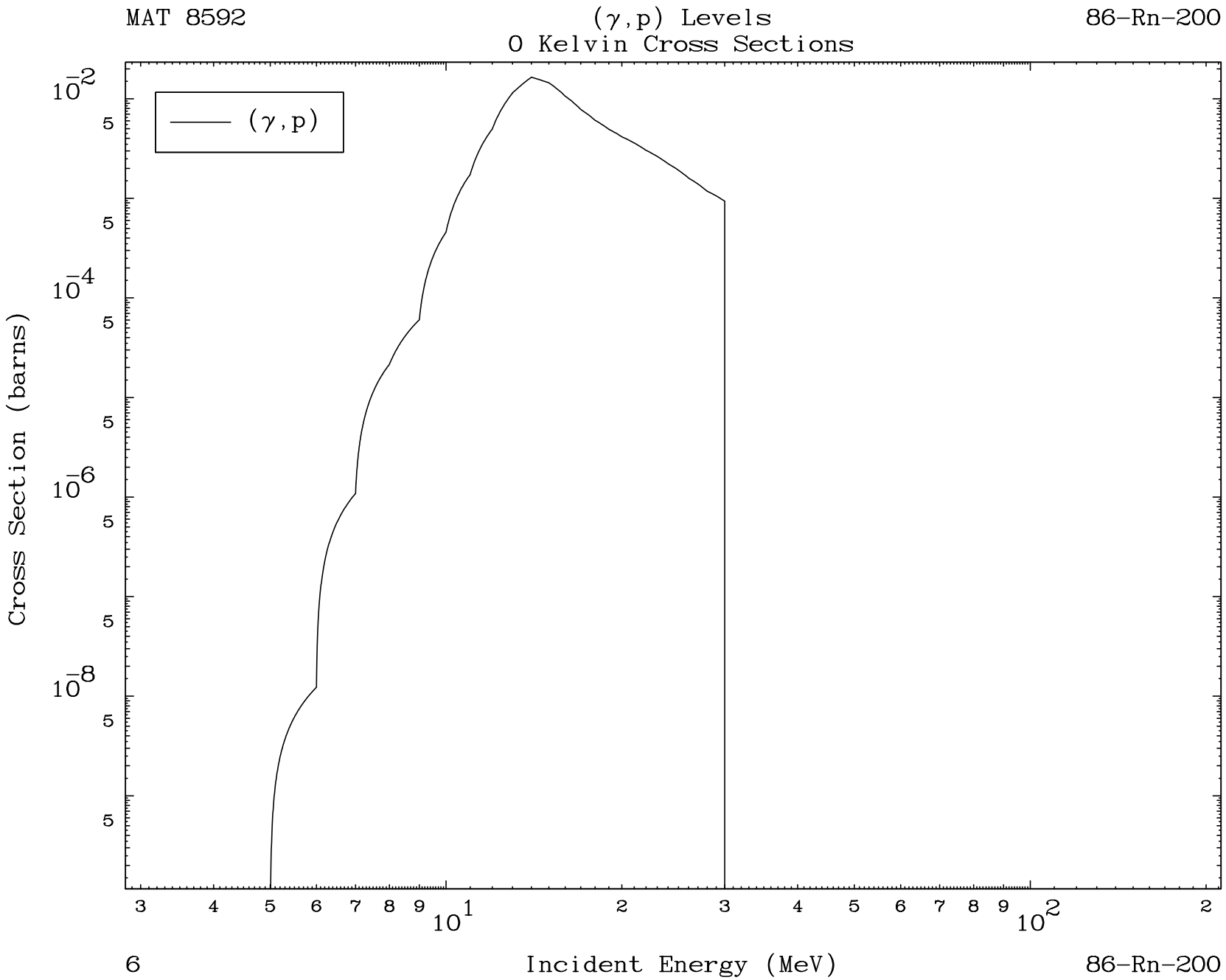

MAT 8592
Photon Major
86-Rn-200
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-200

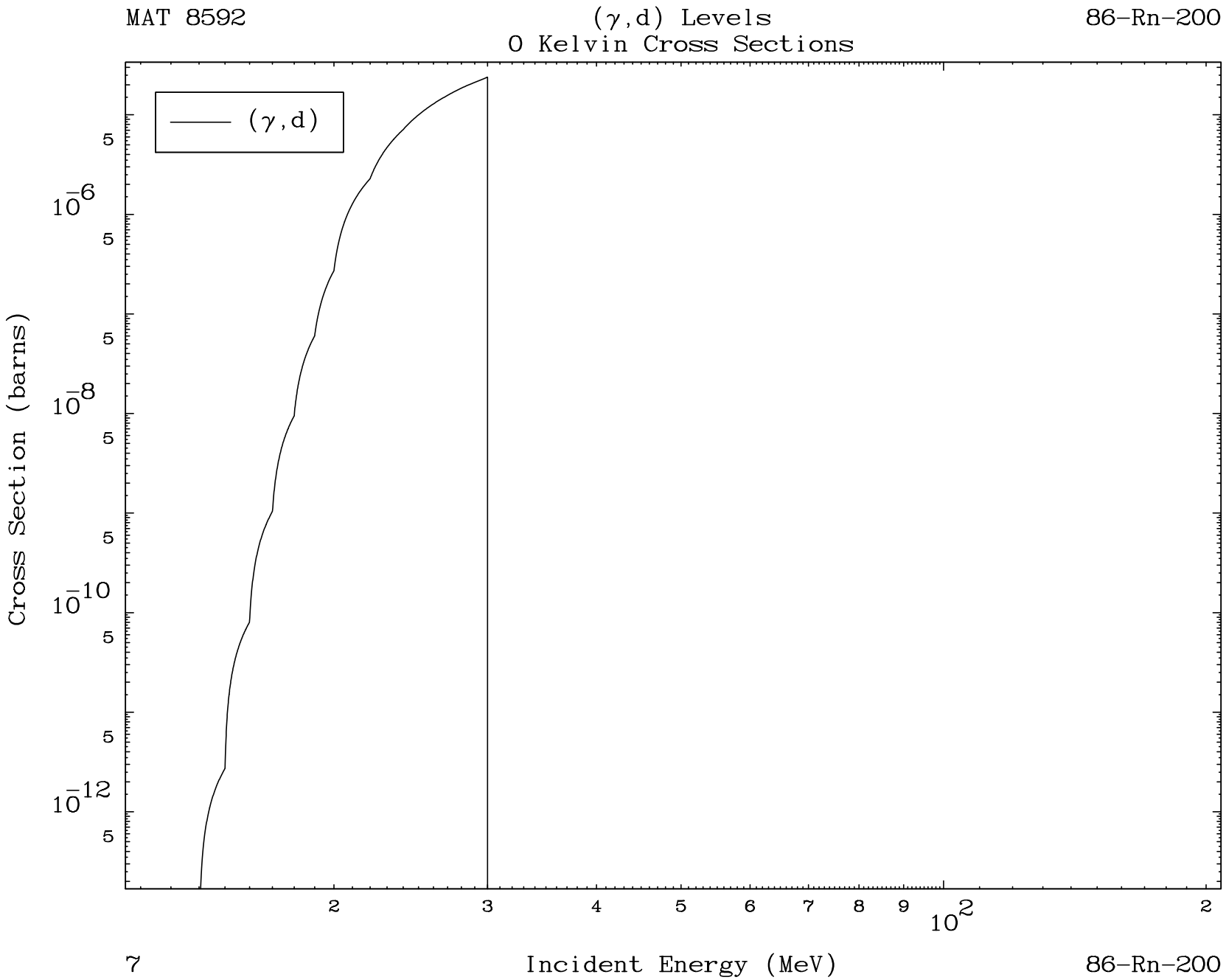

MAT 8592
Photon Neutron Production
0 Kelvin Cross Sections
86-Rn-200
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
86-Rn-200

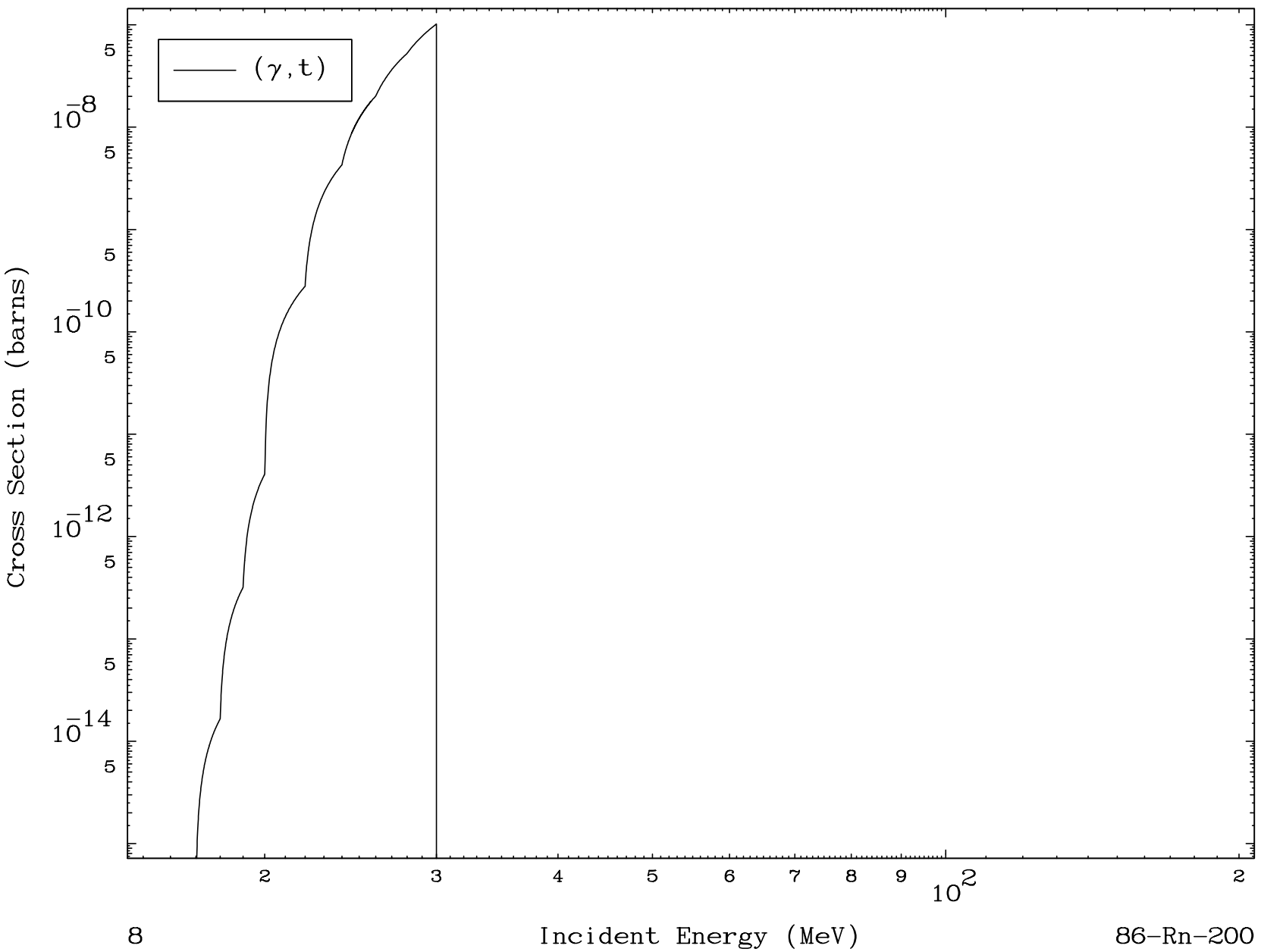

MAT 8592
Photon Charged Particle
0 Kelvin Cross Sections
86-Rn-200
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
3
86-Rn-200

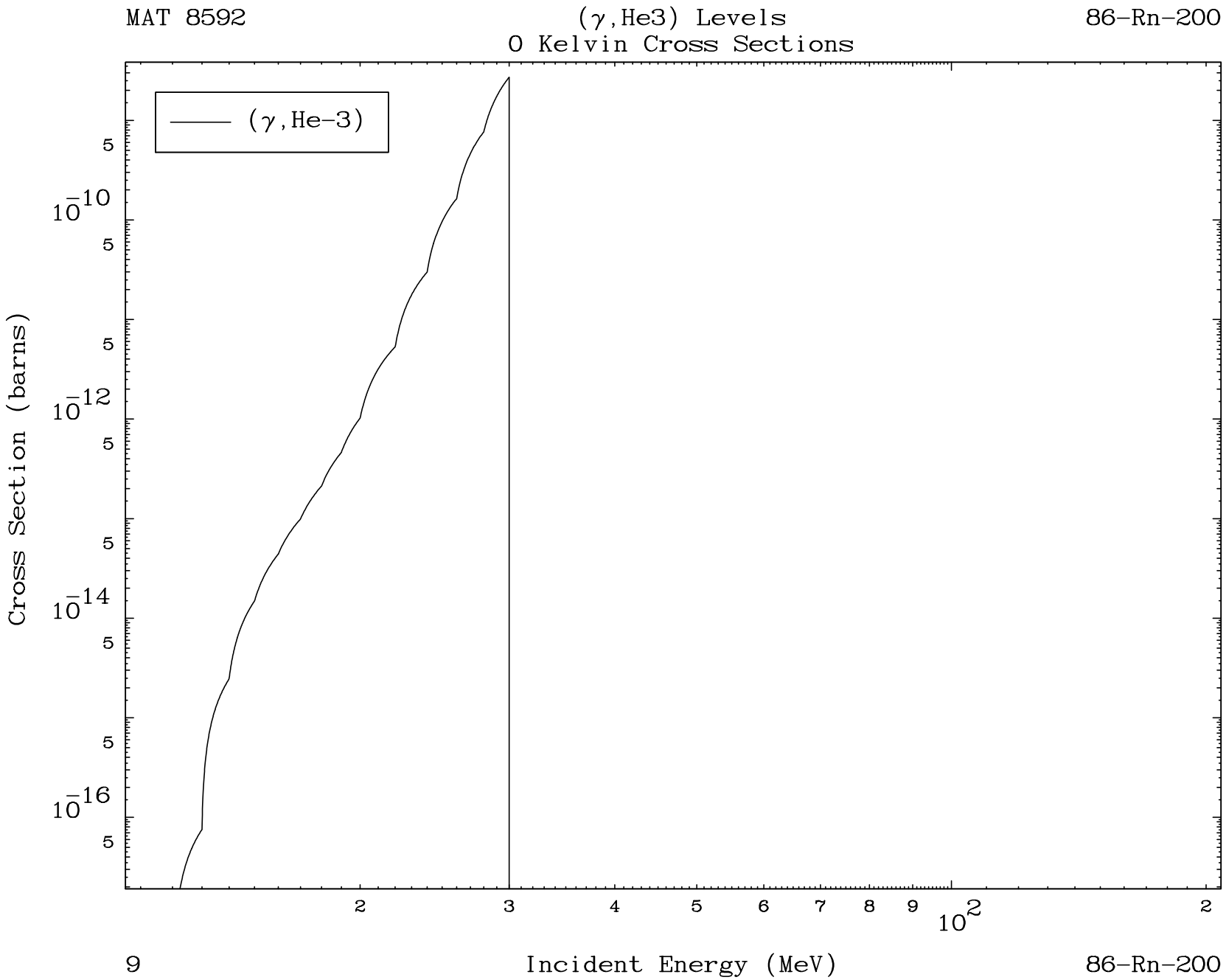

MAT 8592
Photon Charged Particle
0 Kelvin Cross Sections
86-Rn-200
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
4
86-Rn-200

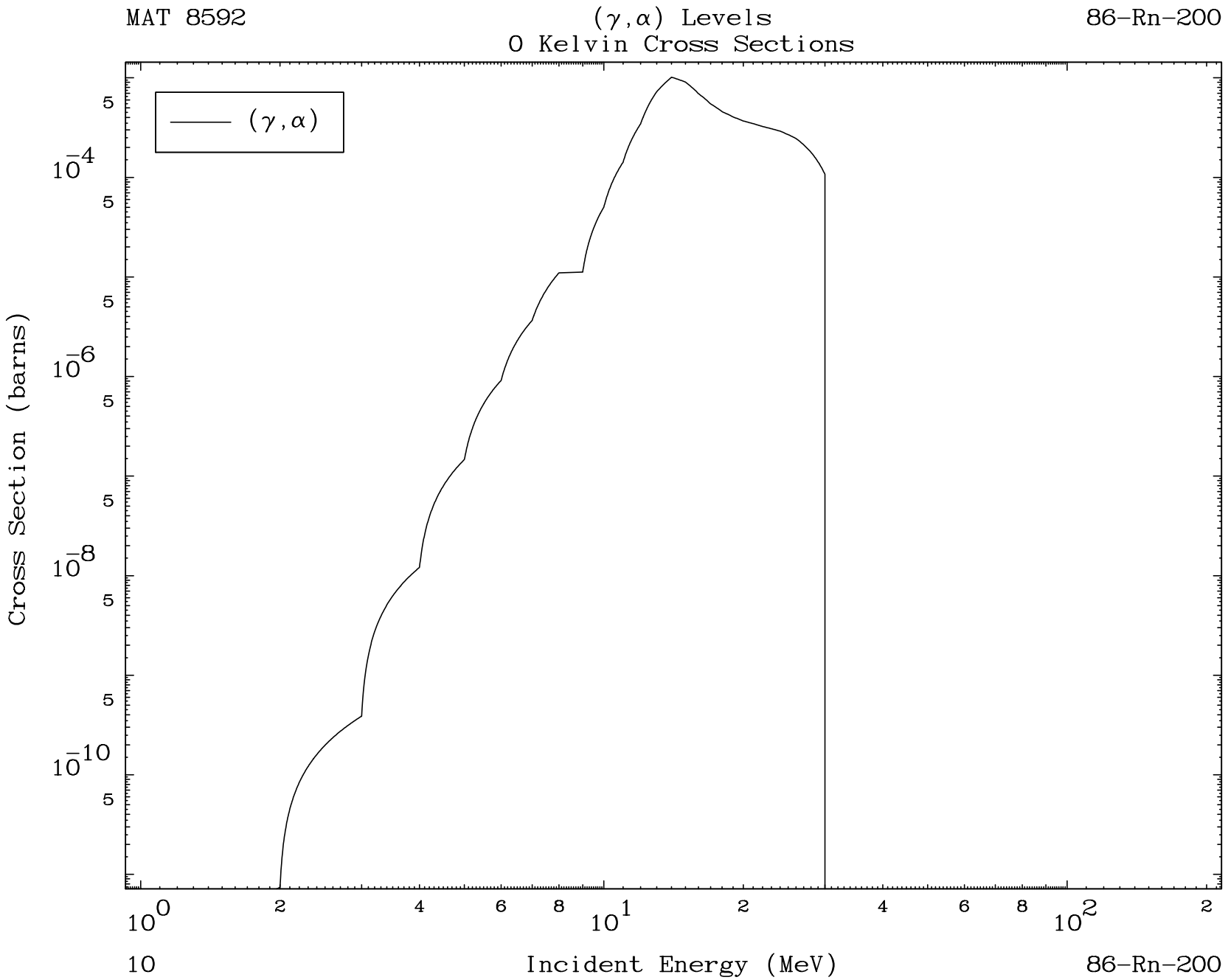

MAT 8592
(γ,n') Level
86-Rn-200
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
86-Rn-200

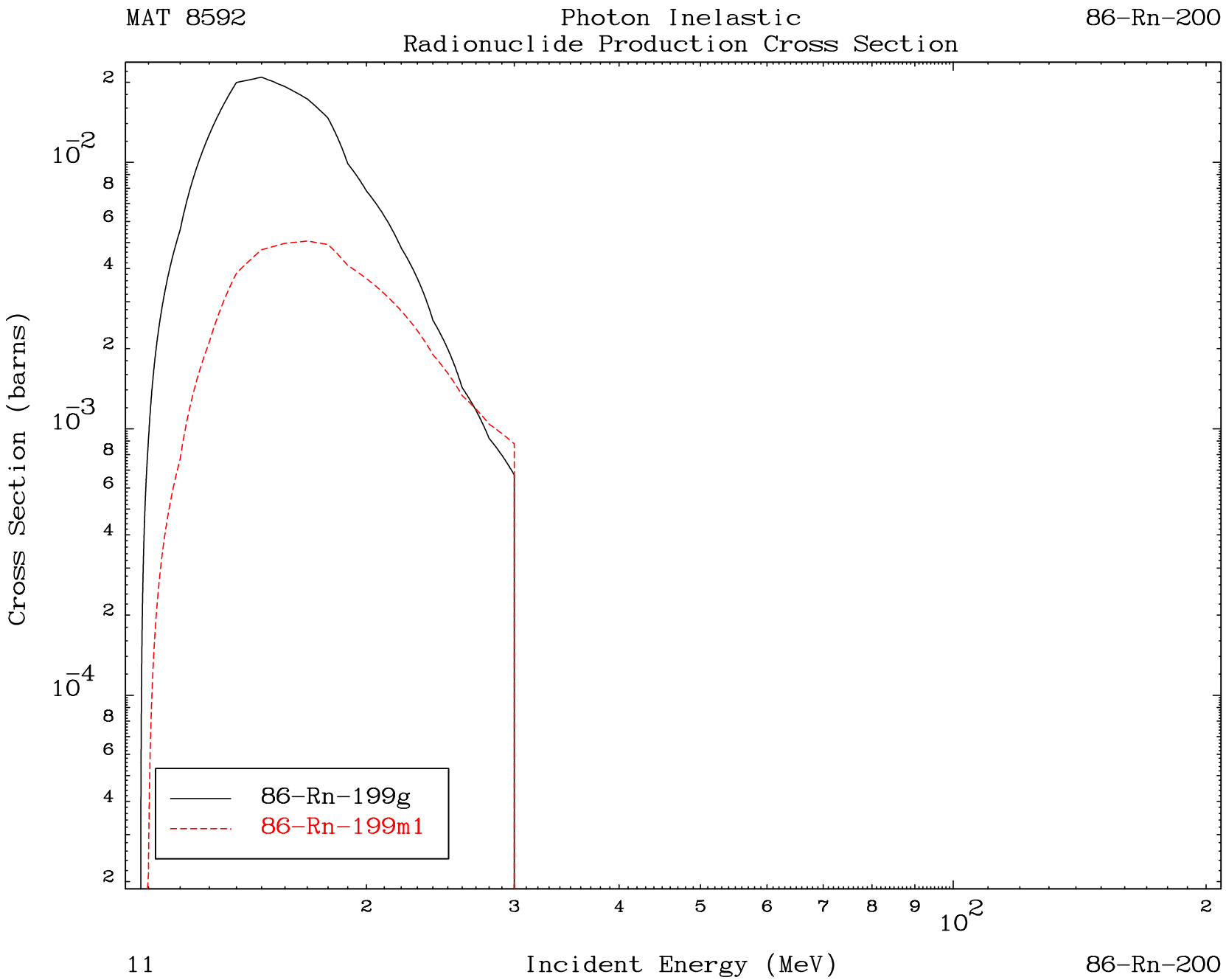

MAT 8592
(γ,p) Levels
86-Rn-200
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
86-Rn-200

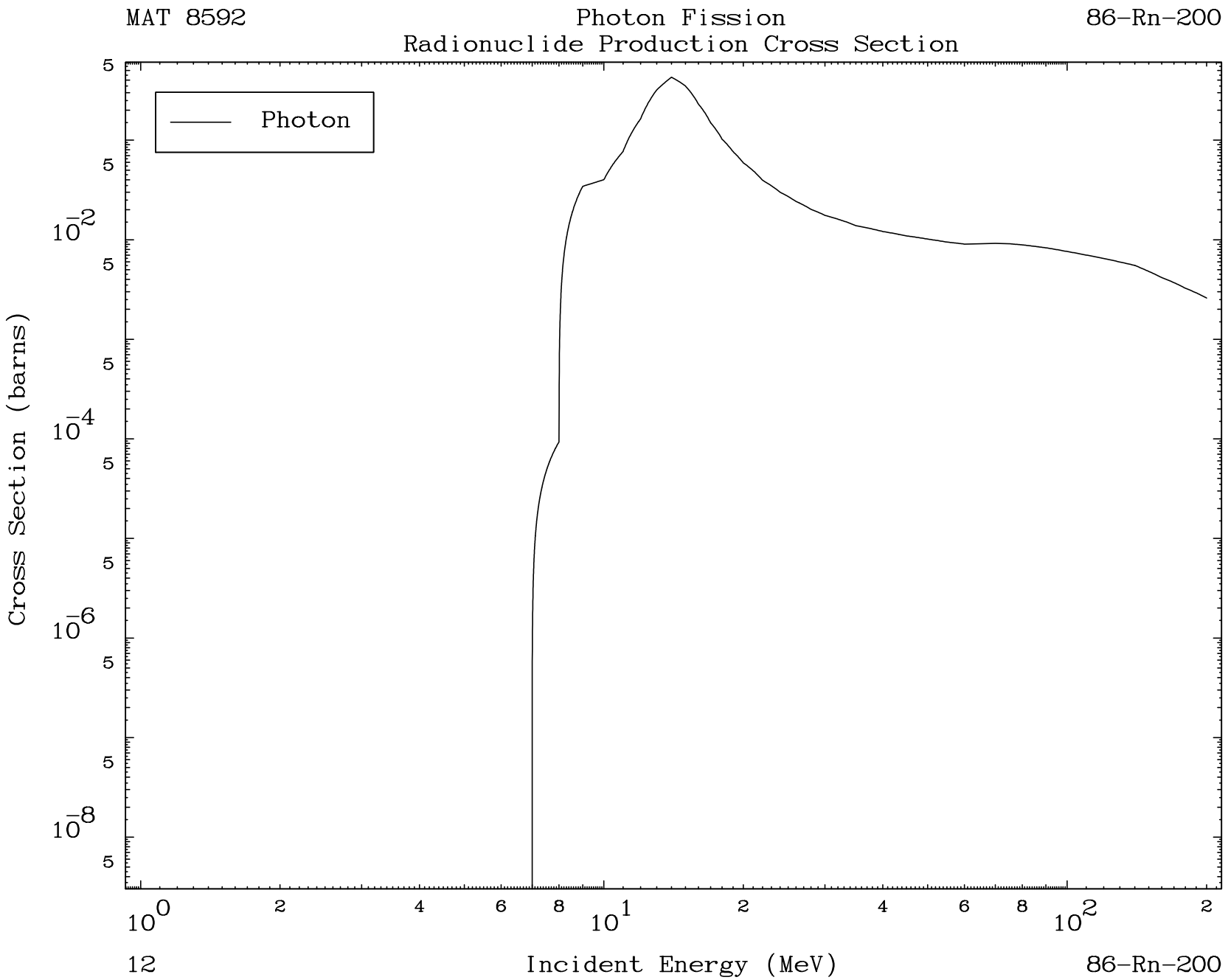

MAT 8592
(γ,d) Levels
86-Rn-200
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
86-Rn-200

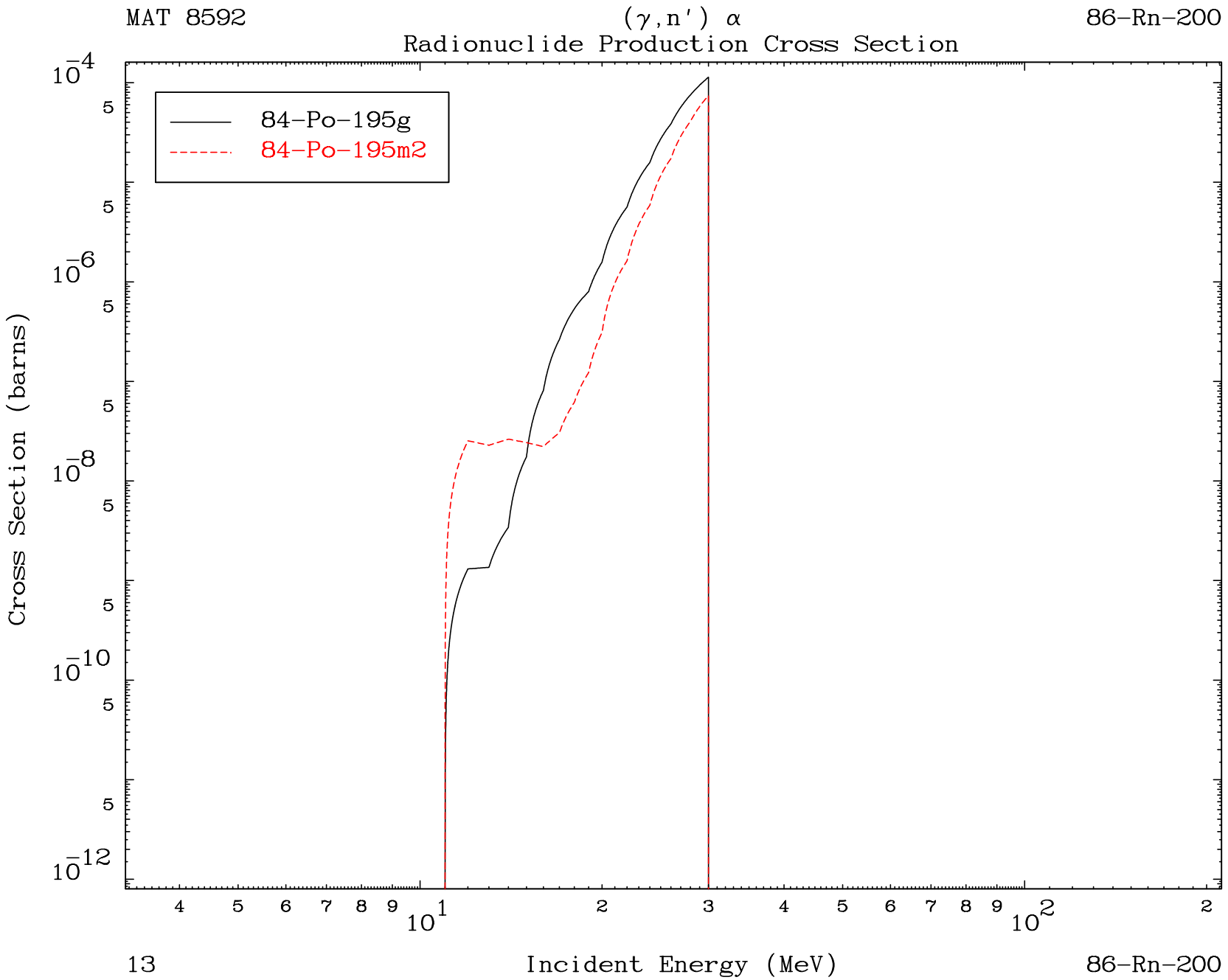

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

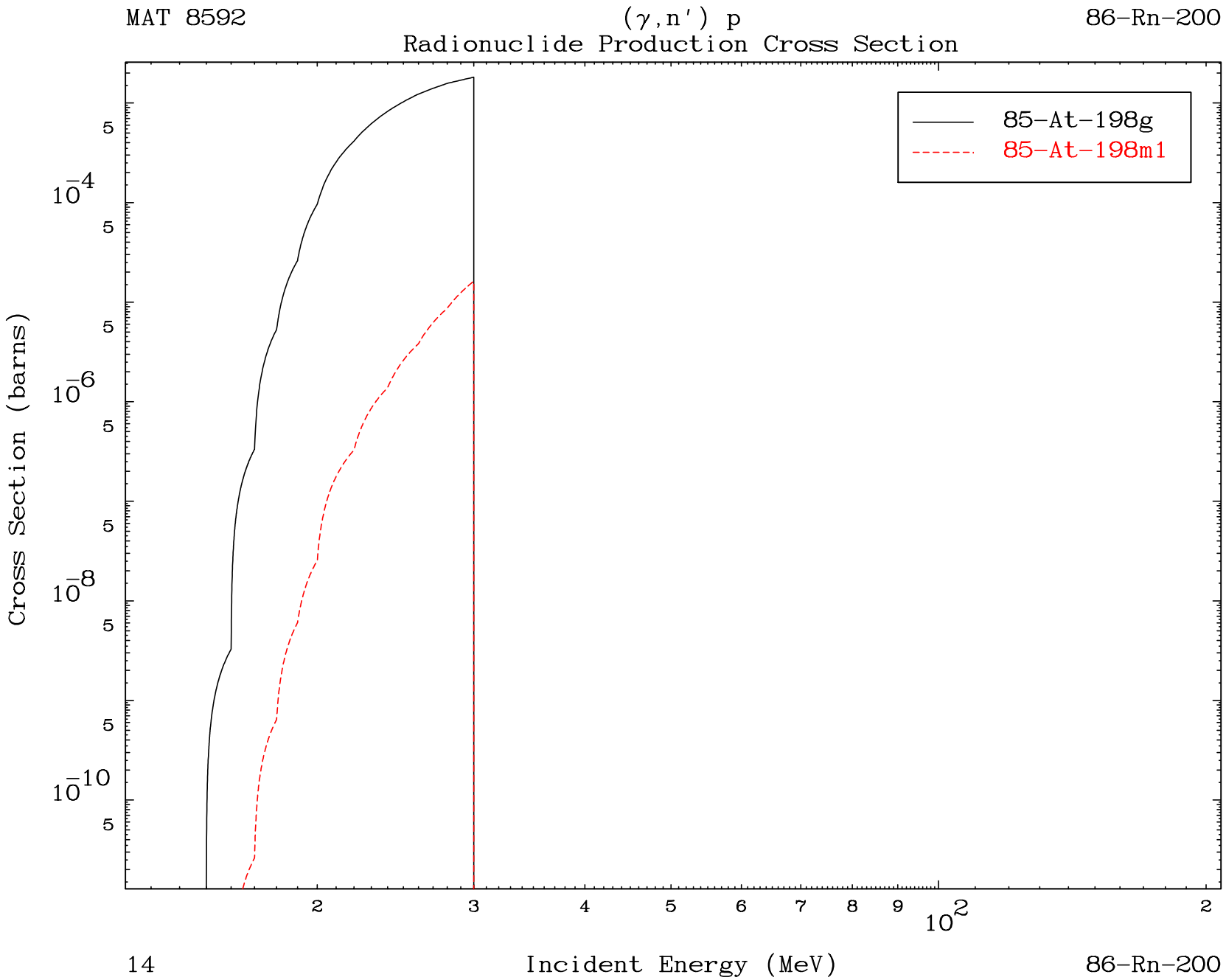

MAT 8592
(γ,He3) Levels
86-Rn-200
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
86-Rn-200

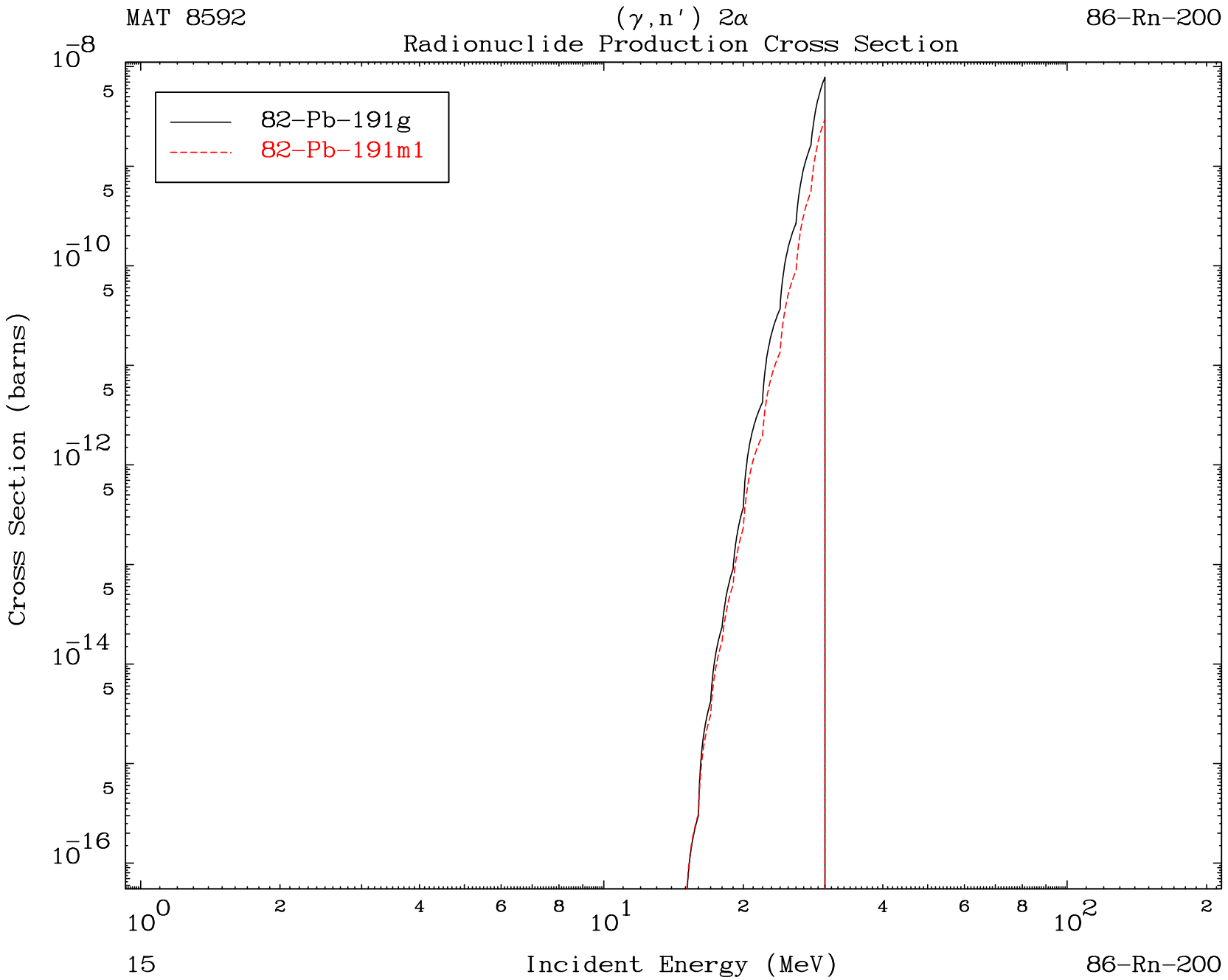

MAT 8592
(γ,α) Levels
86-Rn-200
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
86-Rn-200

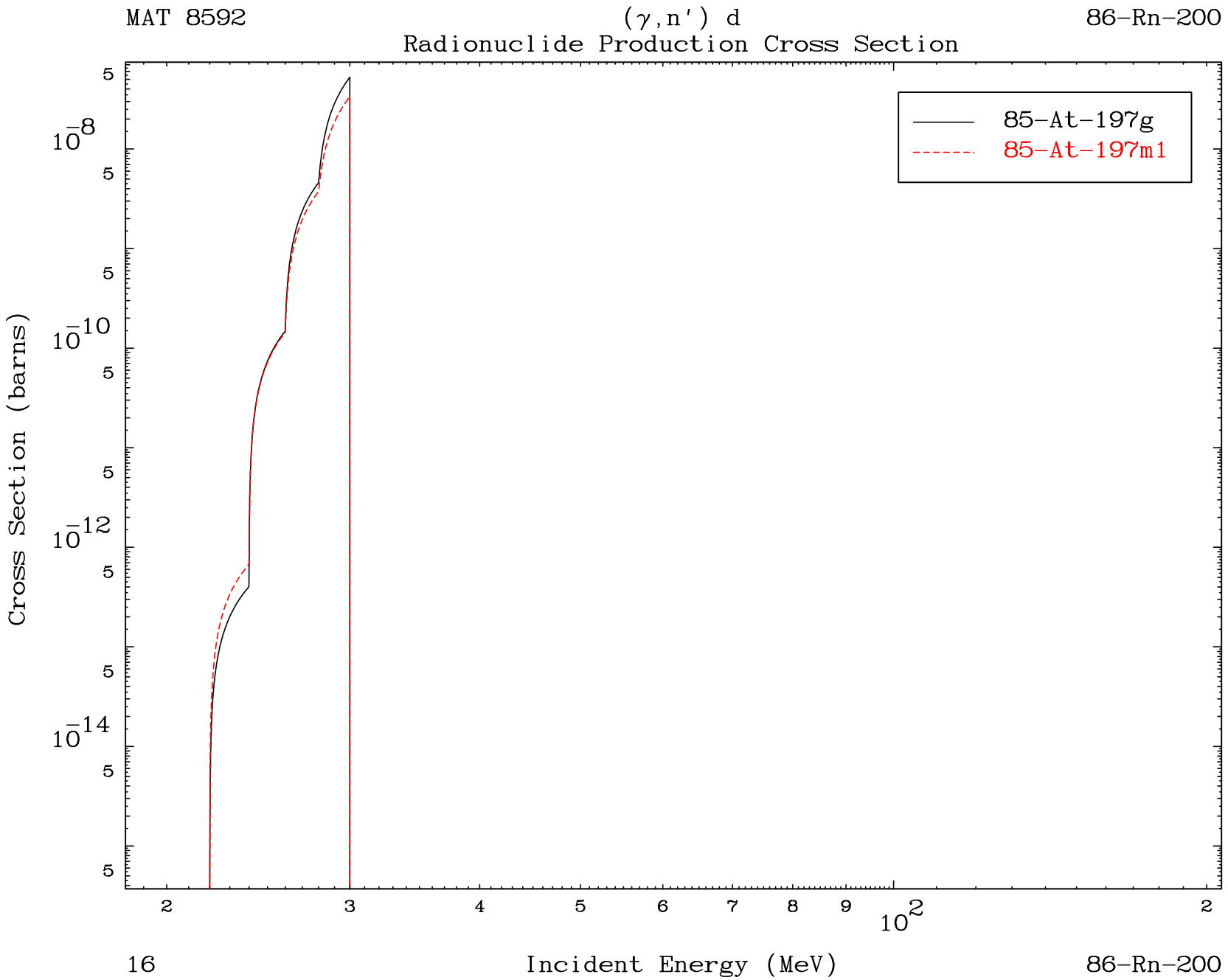

MAT 8592
Photon Inelastic
86-Rn-200
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
86-Rn-199g
86-Rn-199m1
11
86-Rn-200

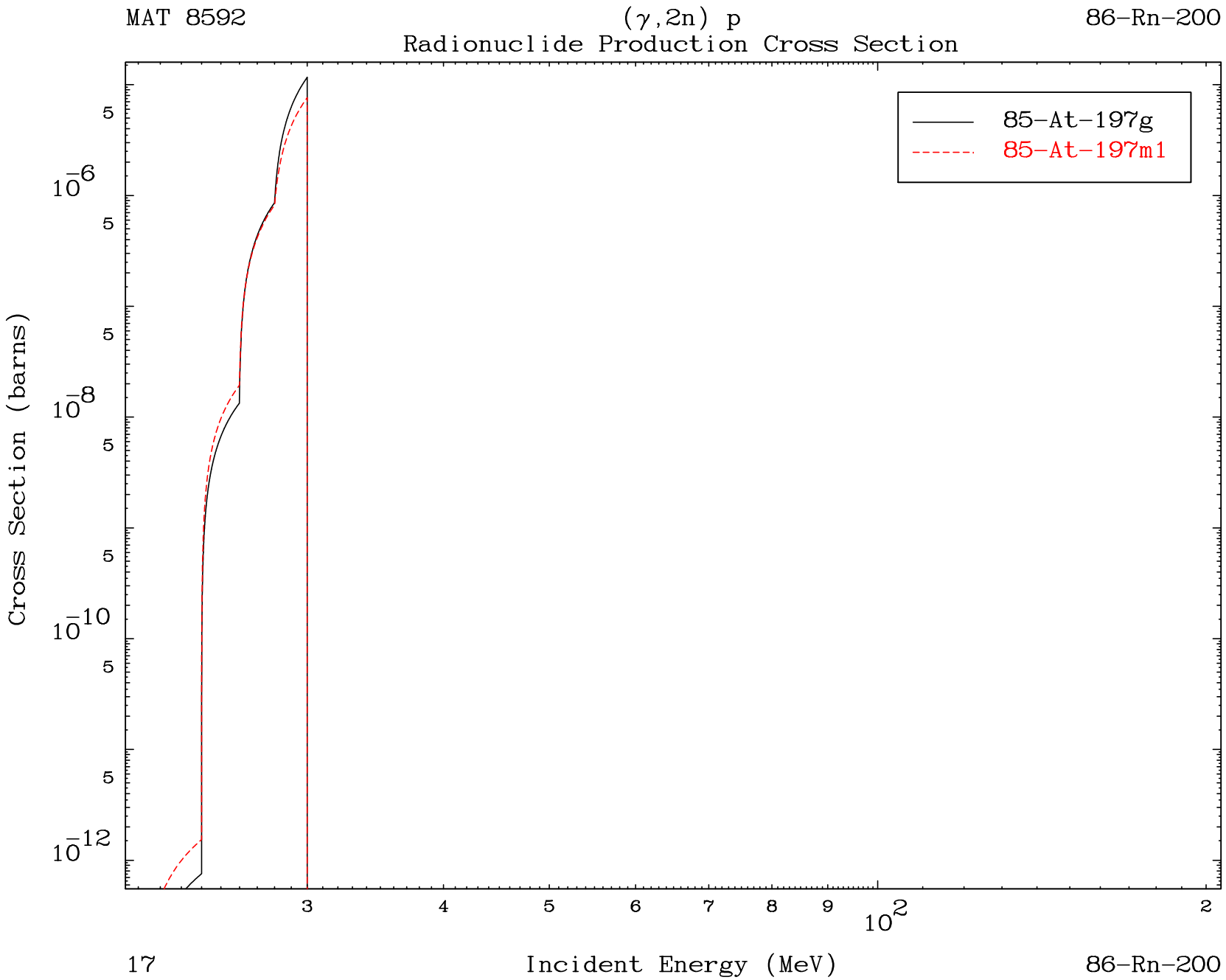

MAT 8592
Photon Fission
86-Rn-200
Radionuclide Production Cross Section
Photon
Cross Section (barns)
Incident Energy (MeV)
12
86-Rn-200

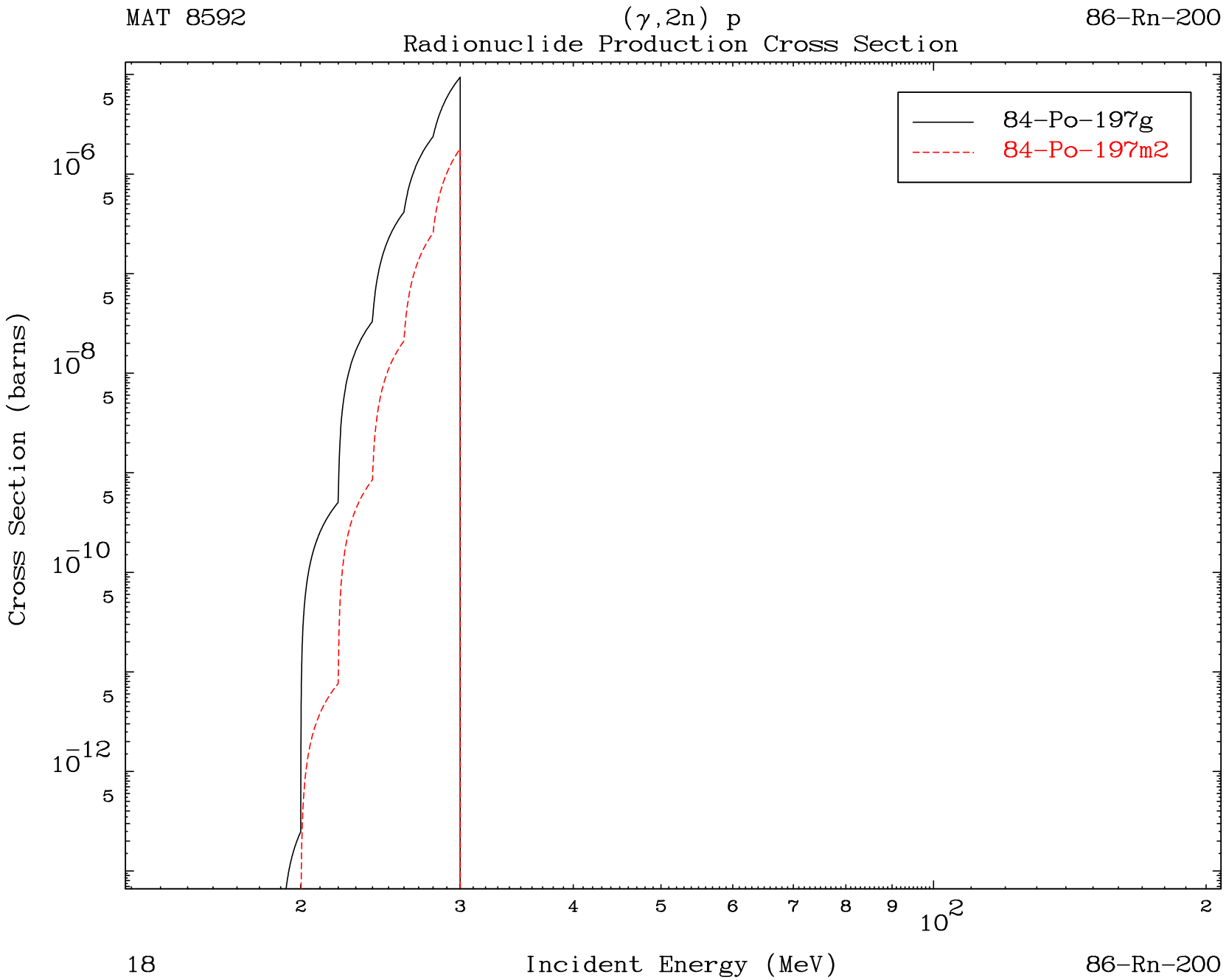

MAT 8592
(γ,n') α
86-Rn-200
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
13
86-Rn-200

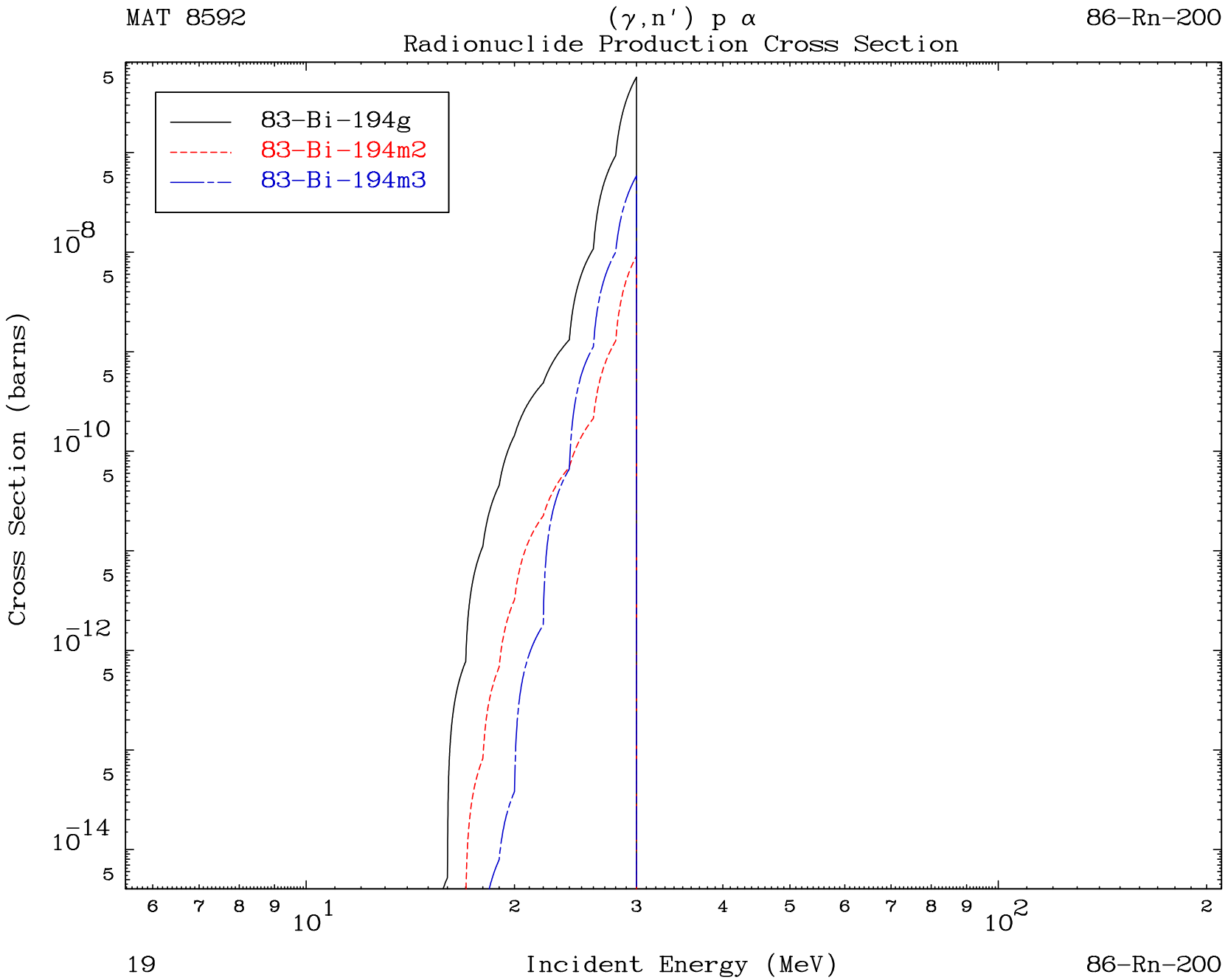

MAT 8592
(γ,n') p
86-Rn-200
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
86-Rn-200

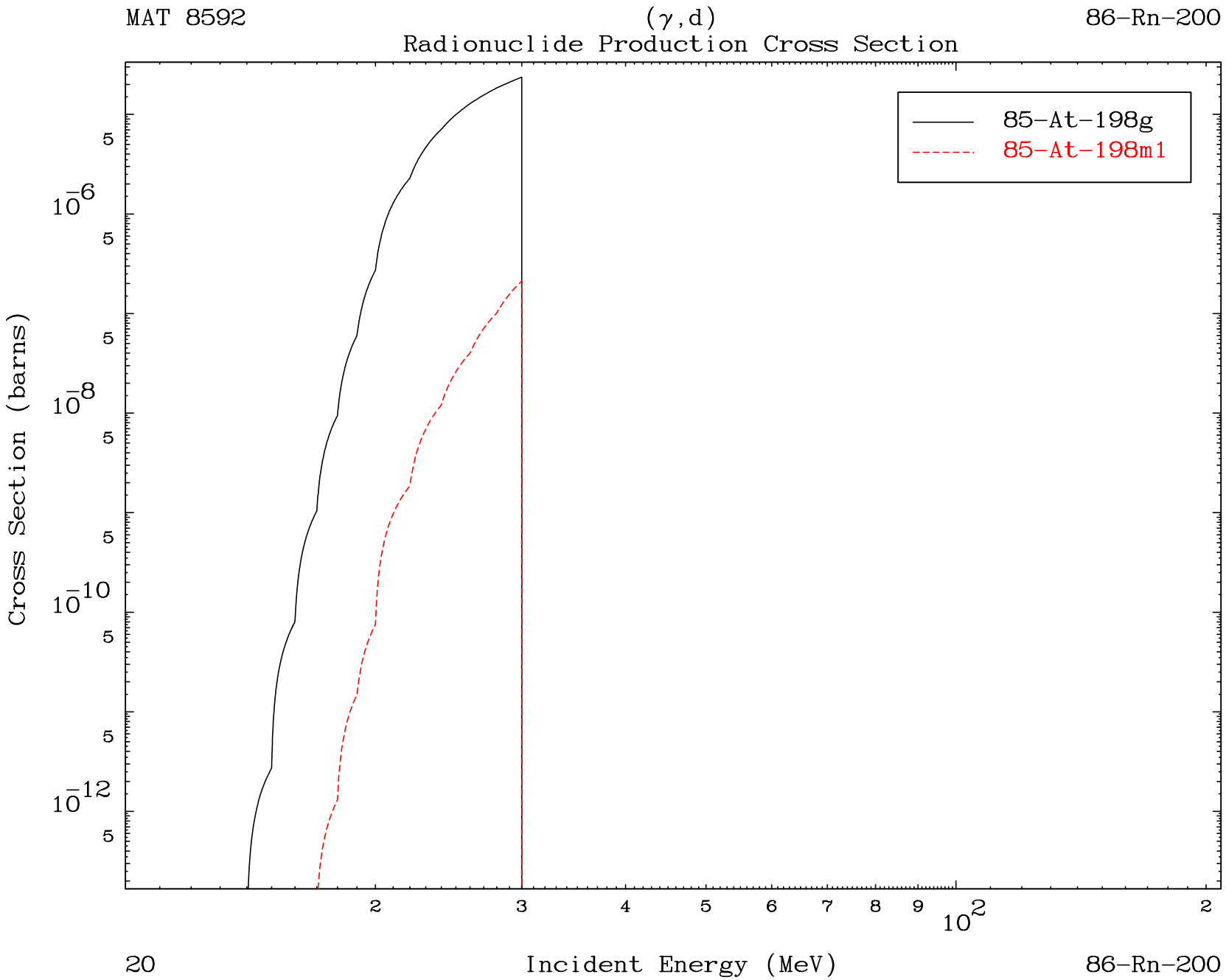

MAT 8592
(γ,n') 2α
86-Rn-200
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
Incident Energy (MeV)
86-Rn-200
15

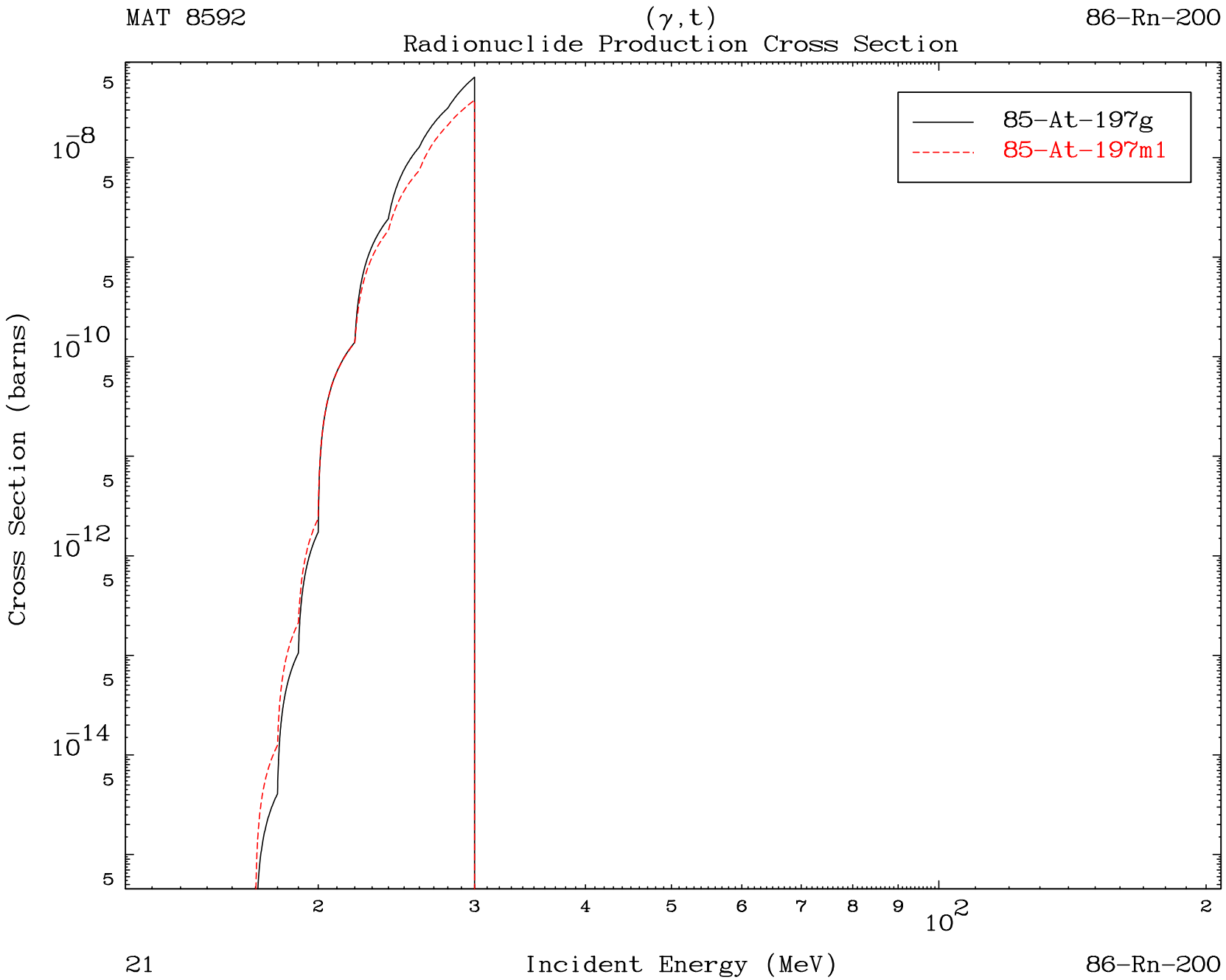

MAT 8592
(γ,n') d
86-Rn-200
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
86-Rn-200

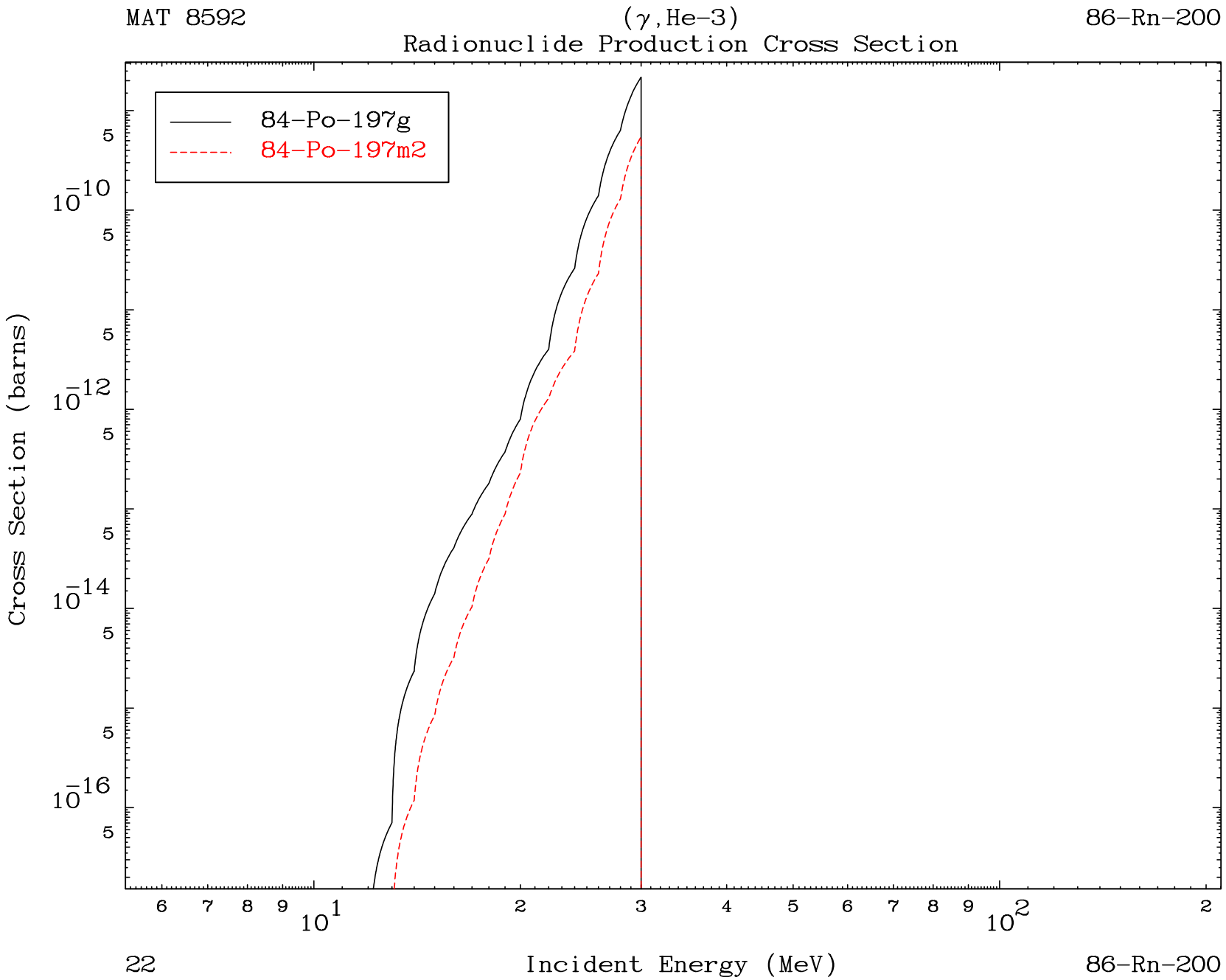

MAT 8592
(γ,2n) p
86-Rn-200
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
86-Rn-200

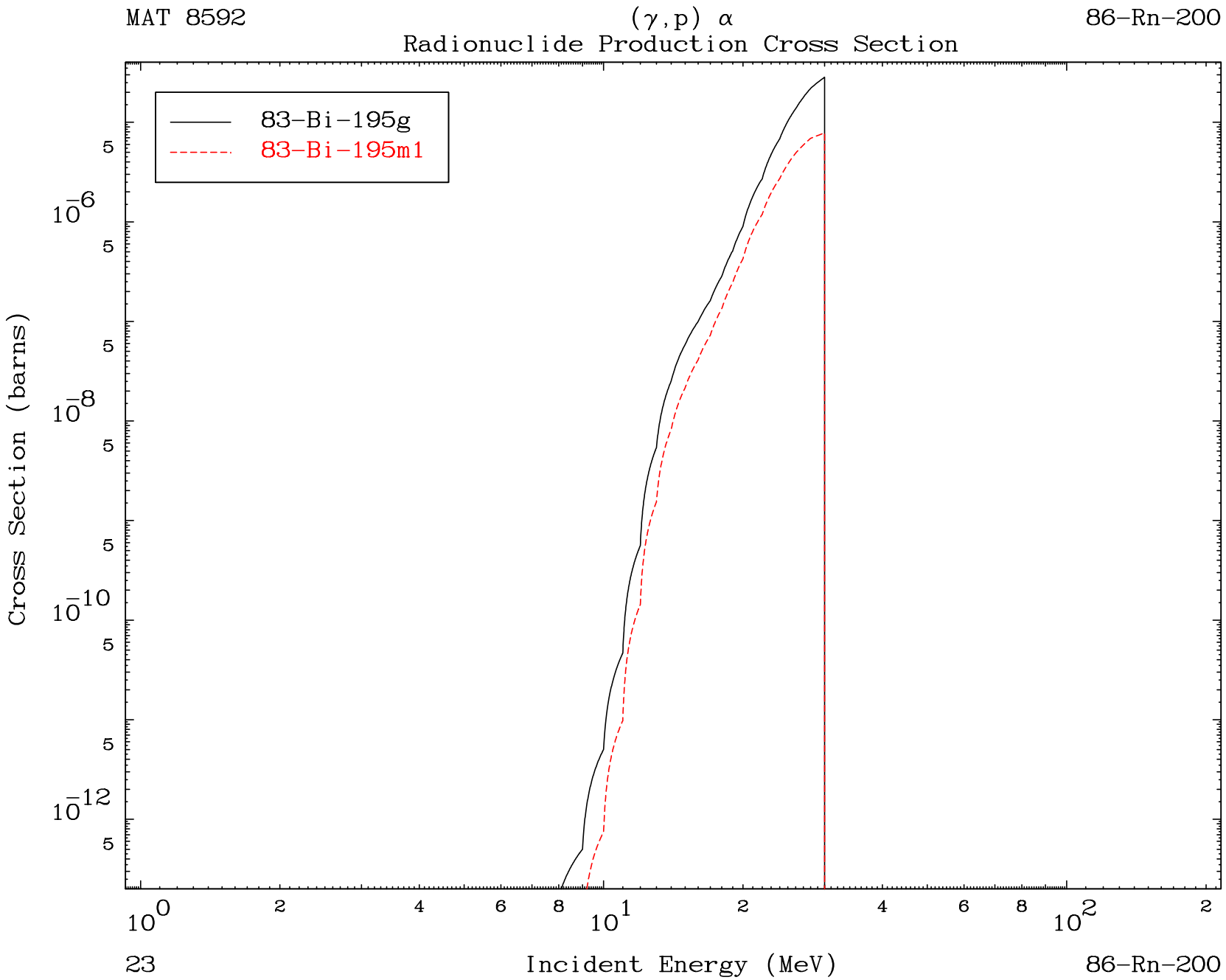

MAT 8592
(γ,2n) p
86-Rn-200
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
86-Rn-200

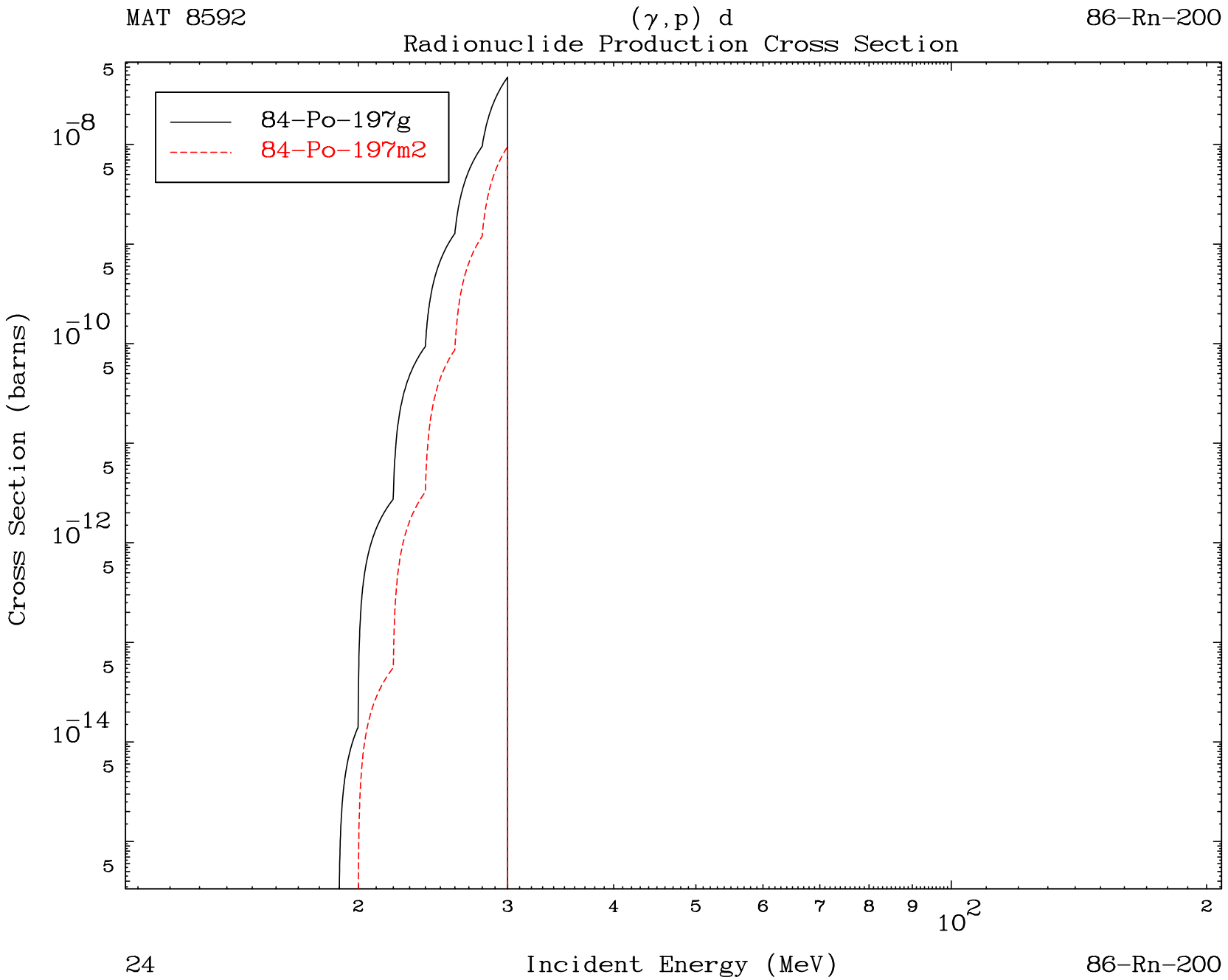

MAT 8592
(γ,n') p α
86-Rn-200
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m2
83-Bi-194m3
Cross Section (barns)
Incident Energy (MeV)
19
86-Rn-200


MAT 8592
(γ,d)
86-Rn-200
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
20
86-Rn-200


MAT 8592
(γ,t)
86-Rn-200
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
21
86-Rn-200


MAT 8592
(γ,He-3)
86-Rn-200
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
22
Incident Energy (MeV)
86-Rn-200


MAT 8592
(γ,p) α
86-Rn-200
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
23
86-Rn-200


MAT 8592
(γ,p) d
86-Rn-200
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
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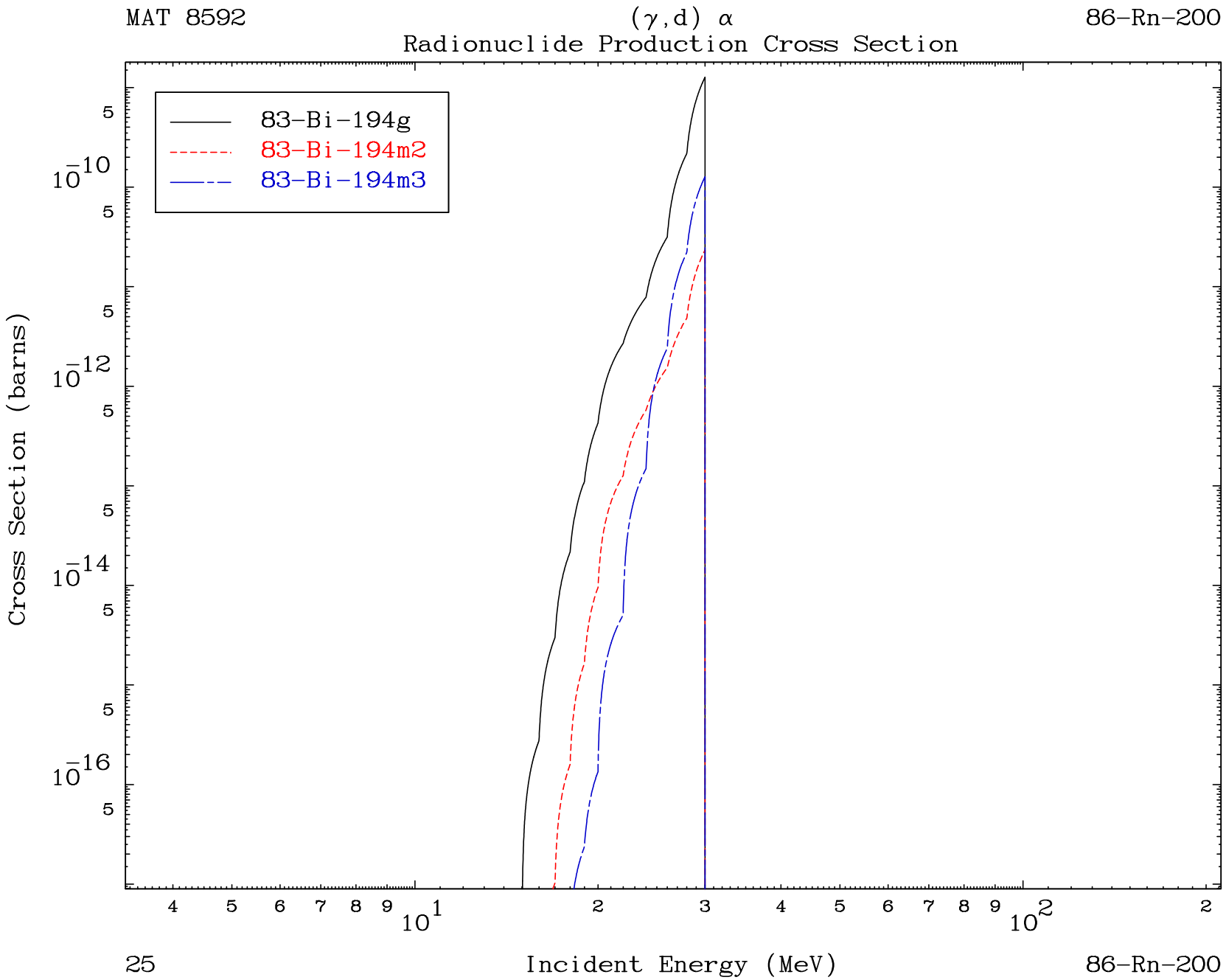
6
7
8
9
10^2
2
24
Incident Energy (MeV)
86-Rn-200


MAT 8592
(γ,d) α
86-Rn-200
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m2
83-Bi-194m3
Cross Section (barns)
Incident Energy (MeV)
25
86-Rn-200