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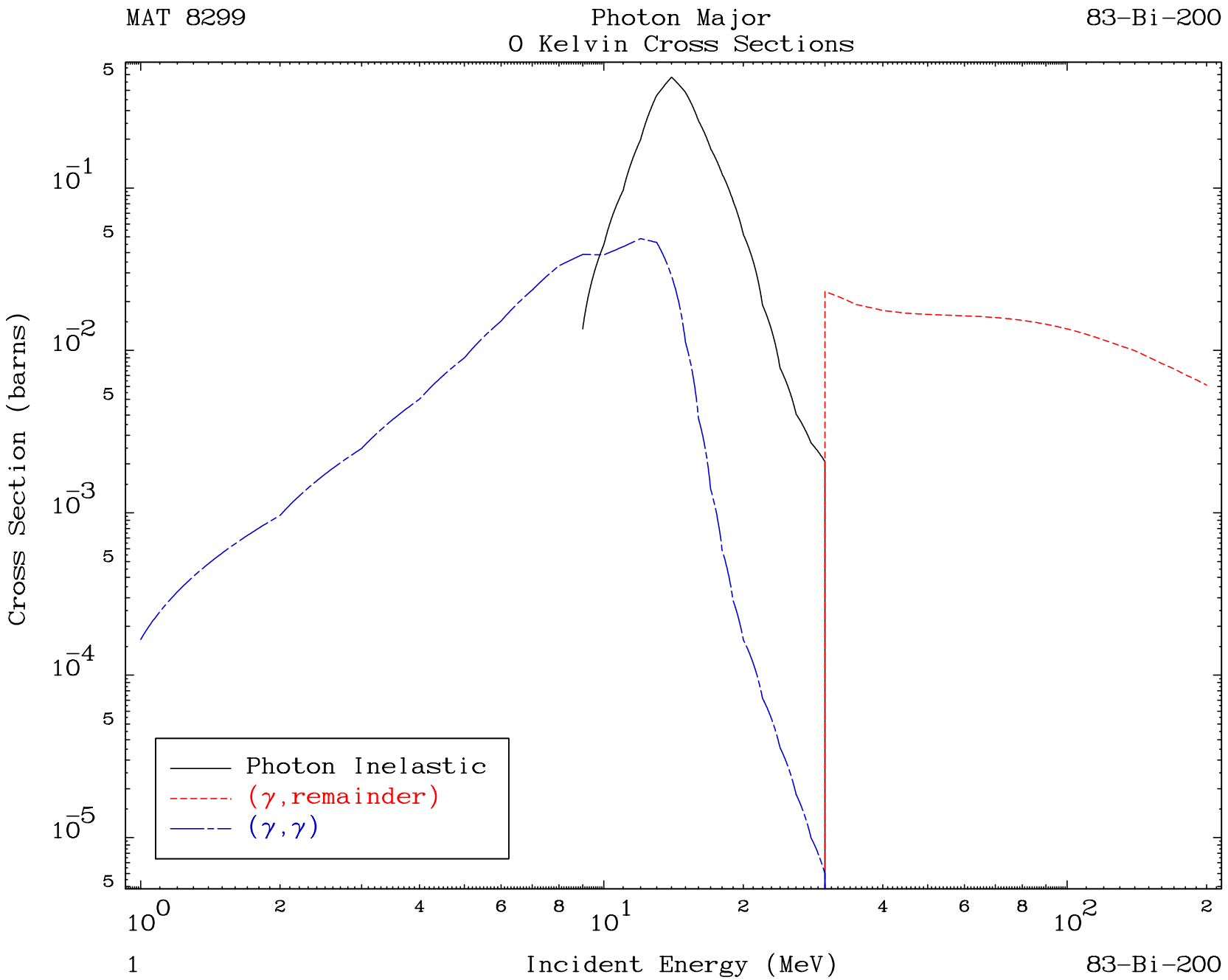
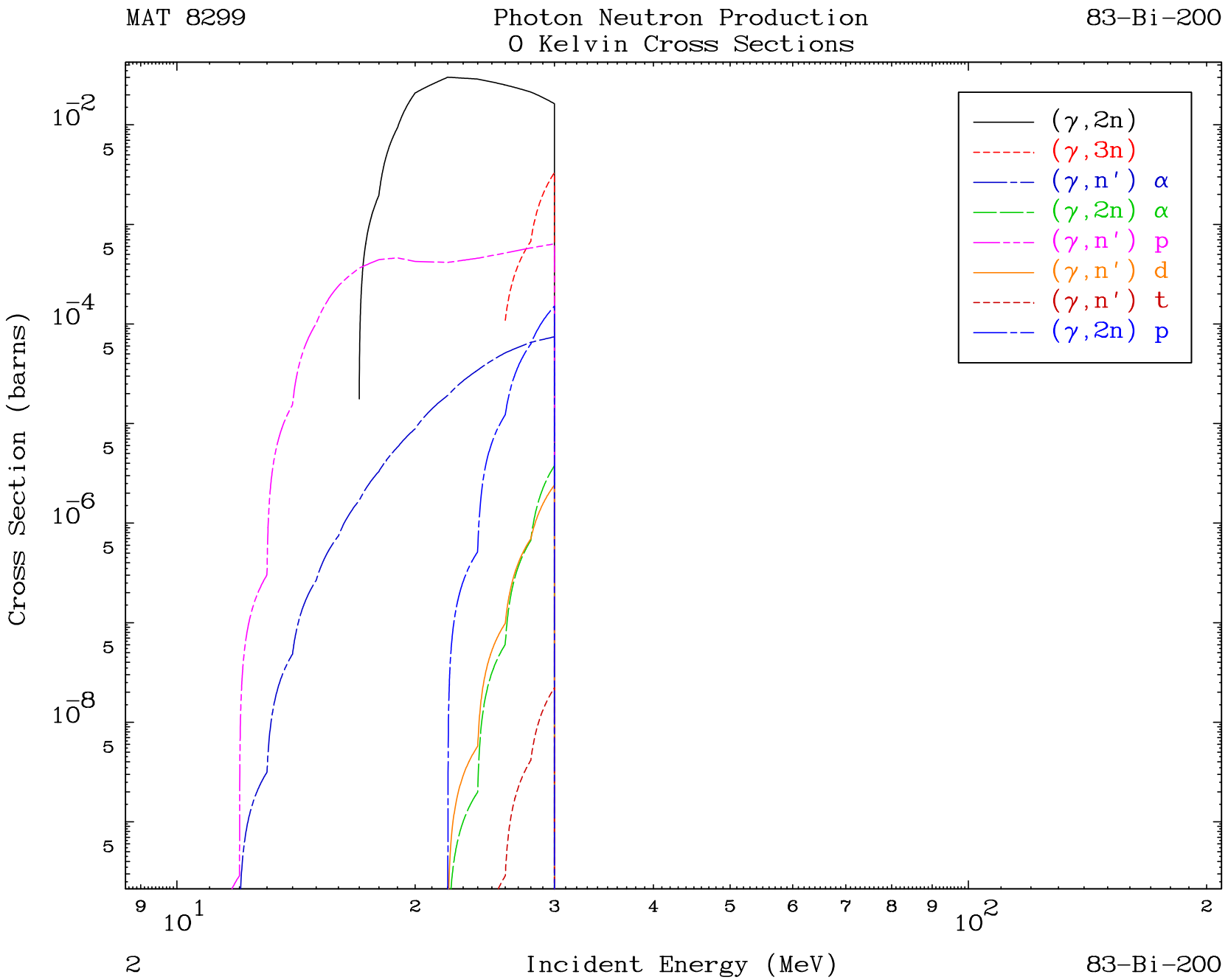
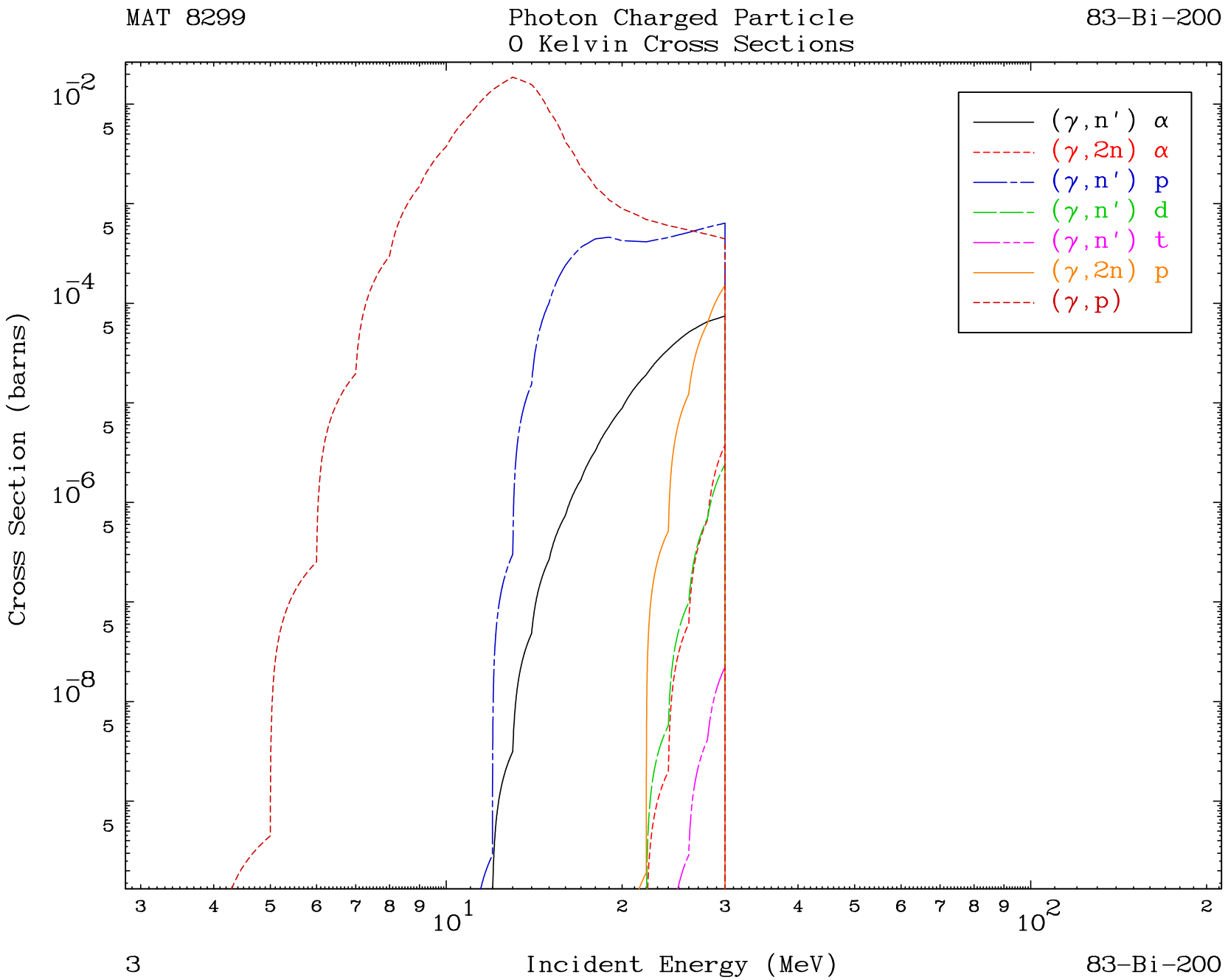
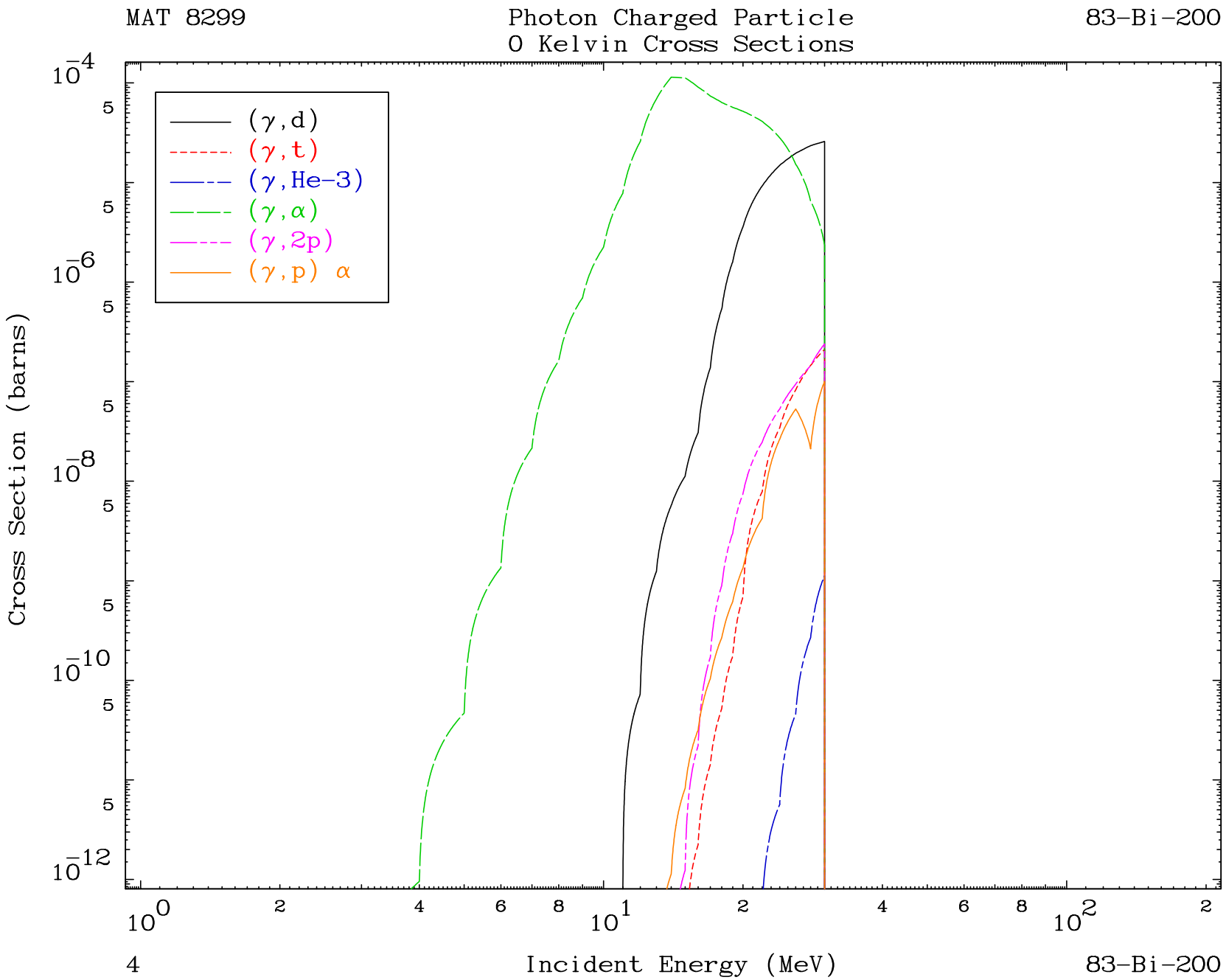
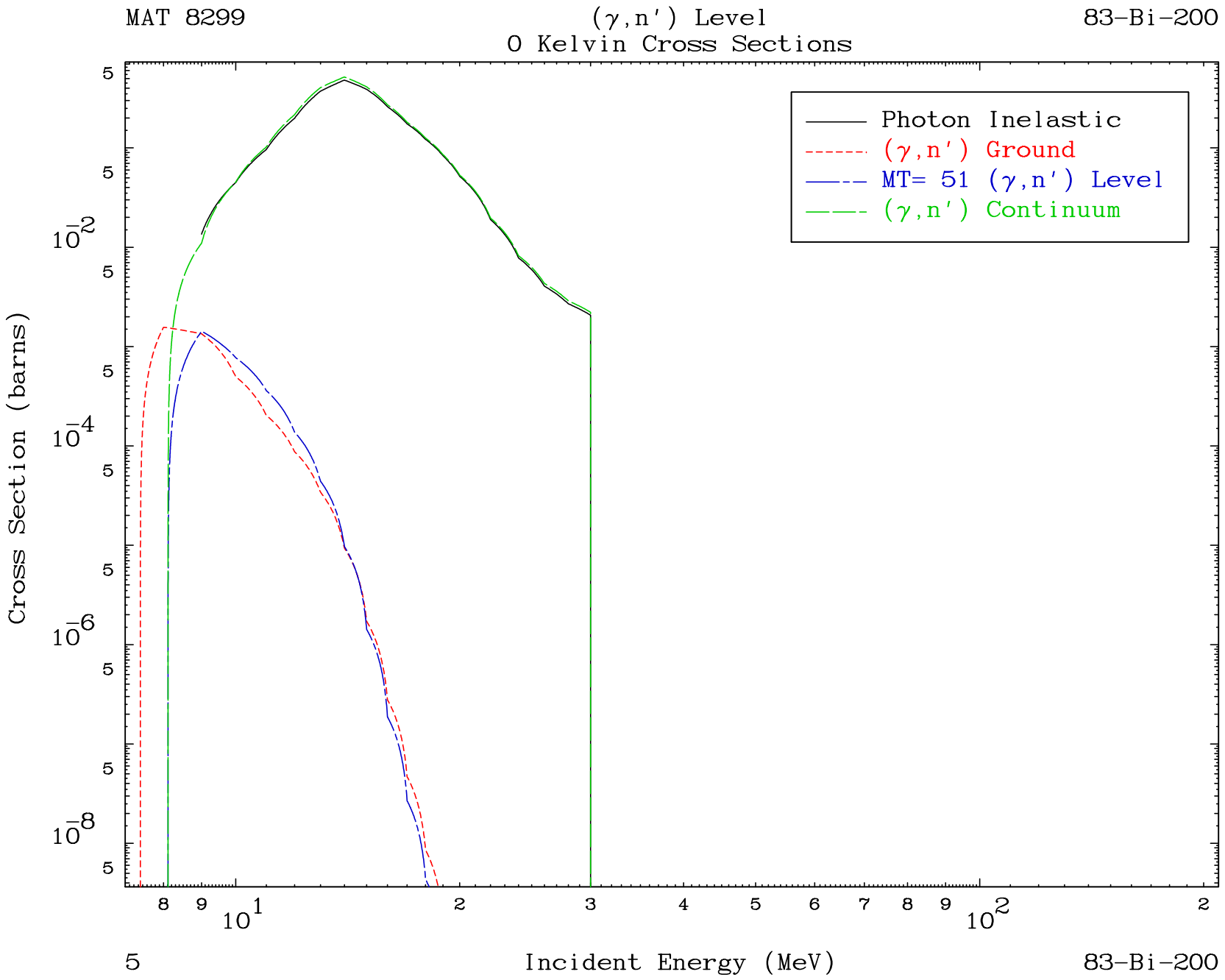
Press Mouse Button to Start

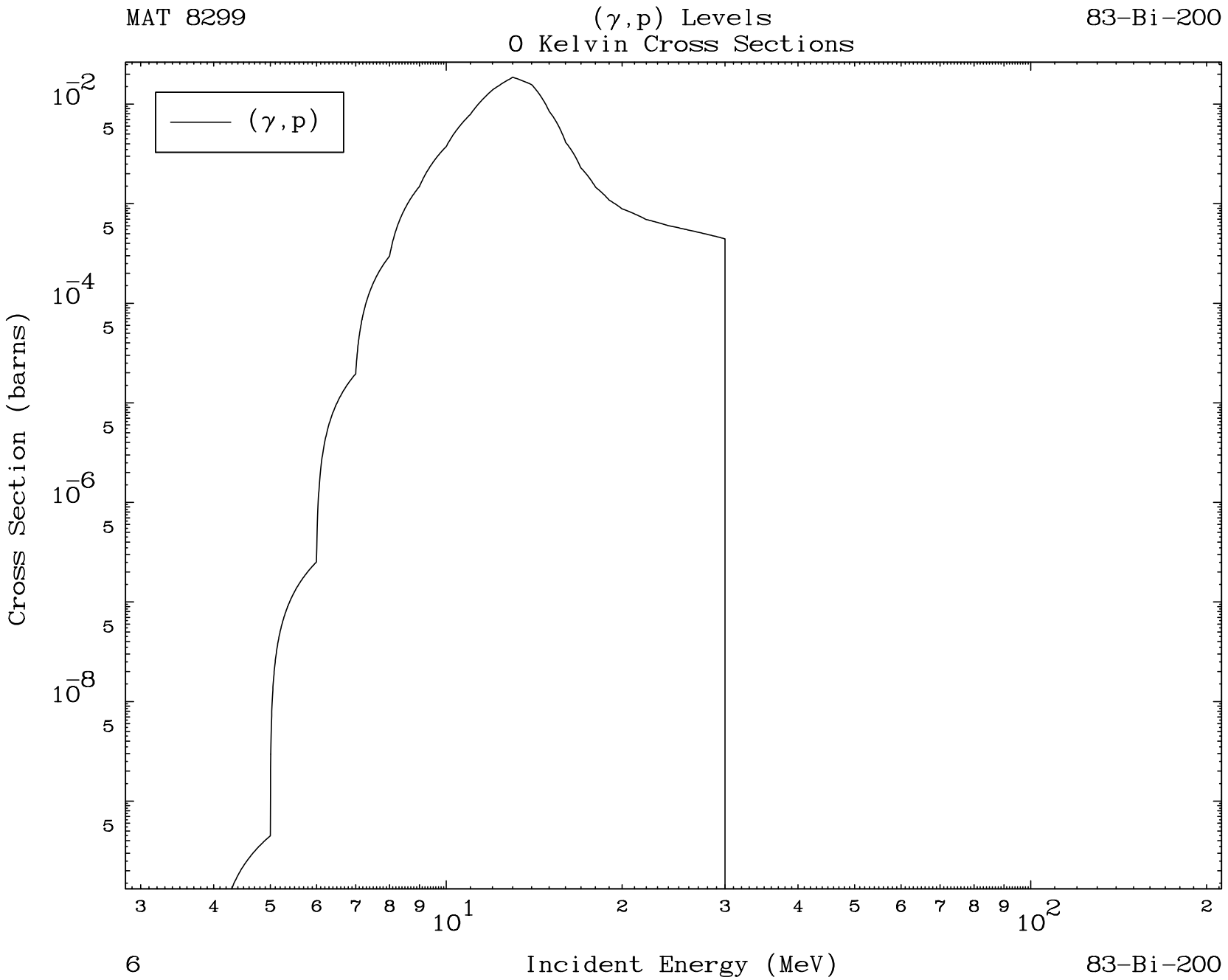

MAT 8299
Photon Major
83-Bi-200
0 Kelvin Cross Sections
Cross Section (barns)
Photon Inelastic
(γ,remainder)
(γ,γ)
Incident Energy (MeV)
83-Bi-200

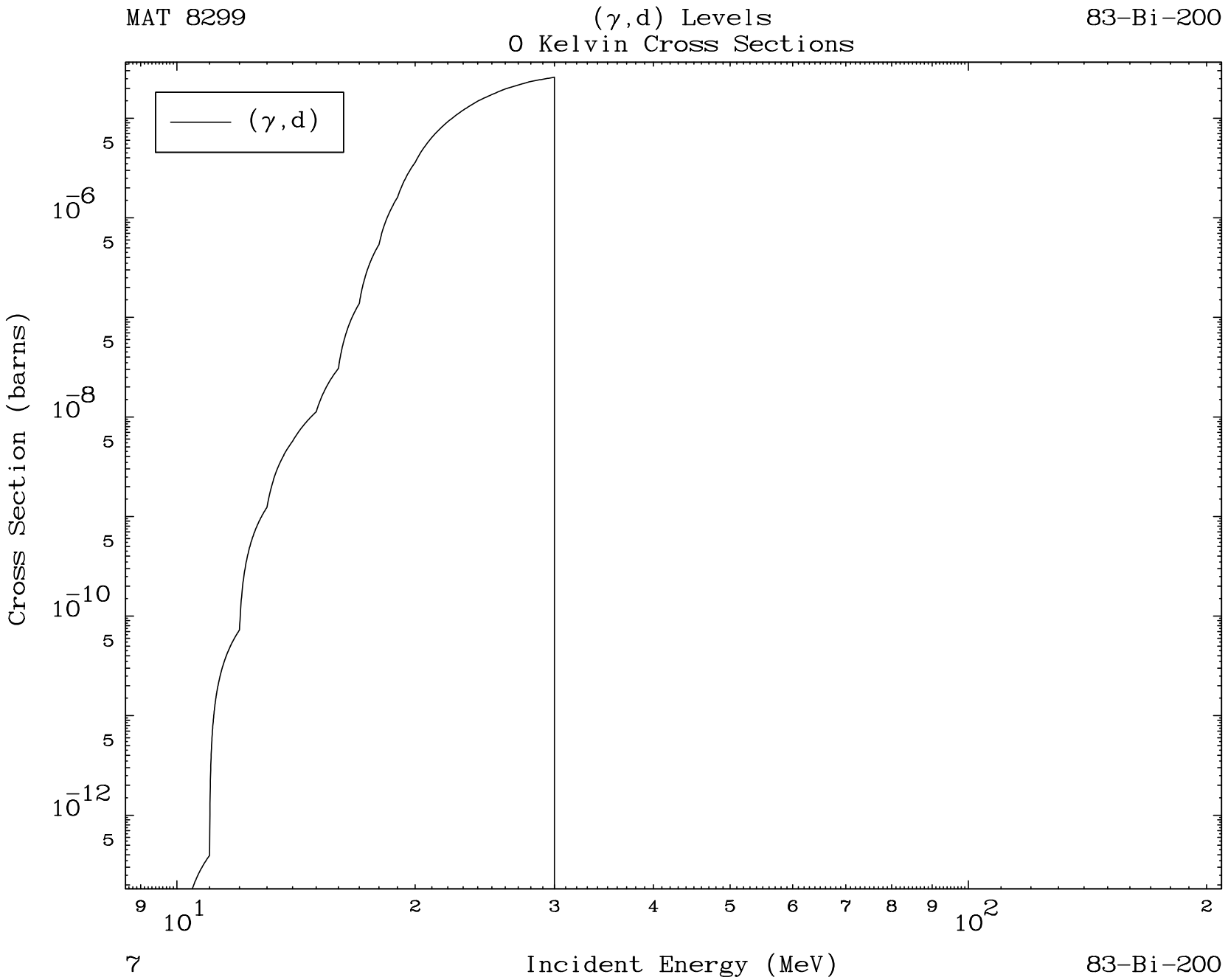

MAT 8299
Photon Neutron Production
0 Kelvin Cross Sections
83-Bi-200
Cross Section (barns)
Incident Energy (MeV)
83-Bi-200
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

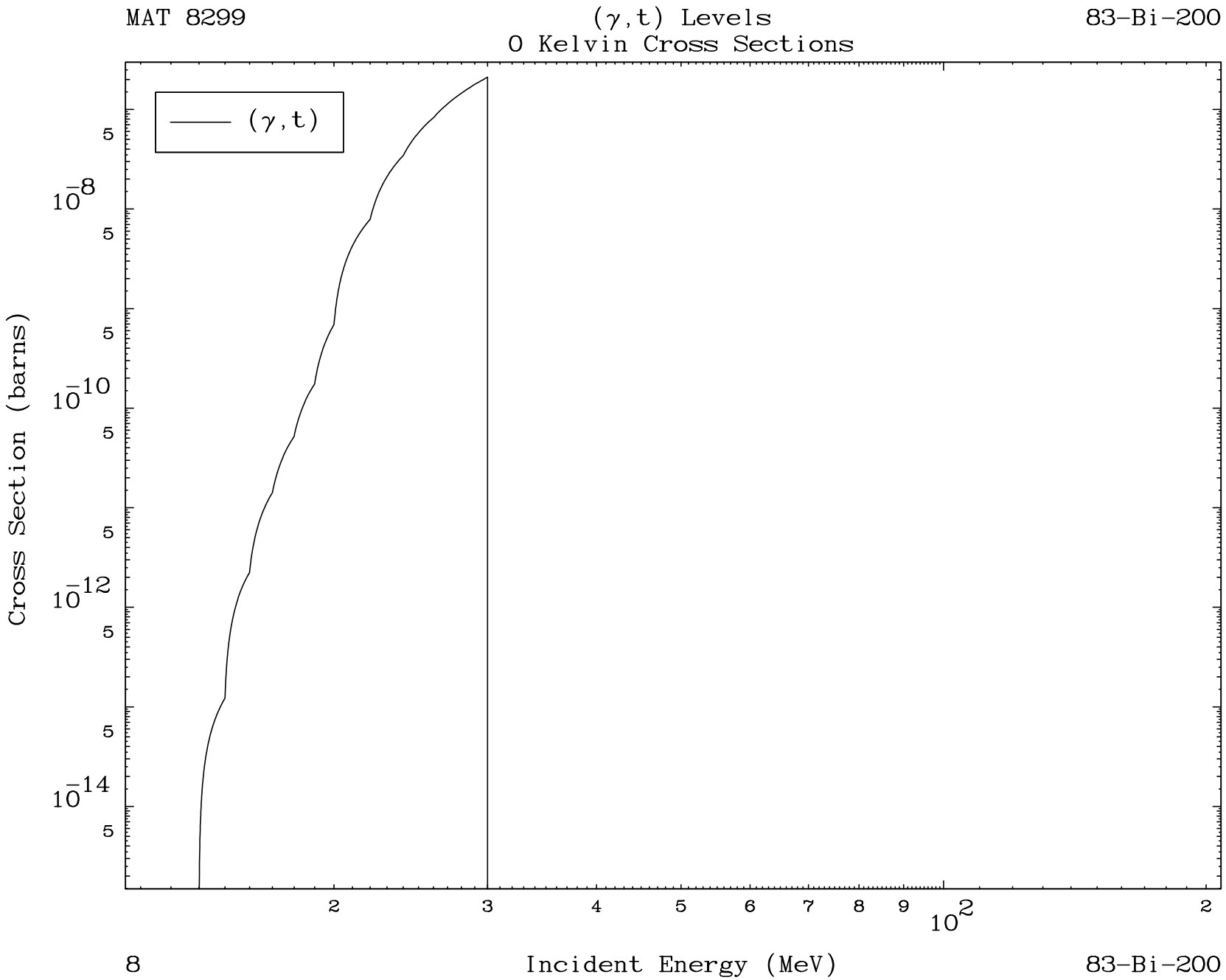

MAT 8299
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-200
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)

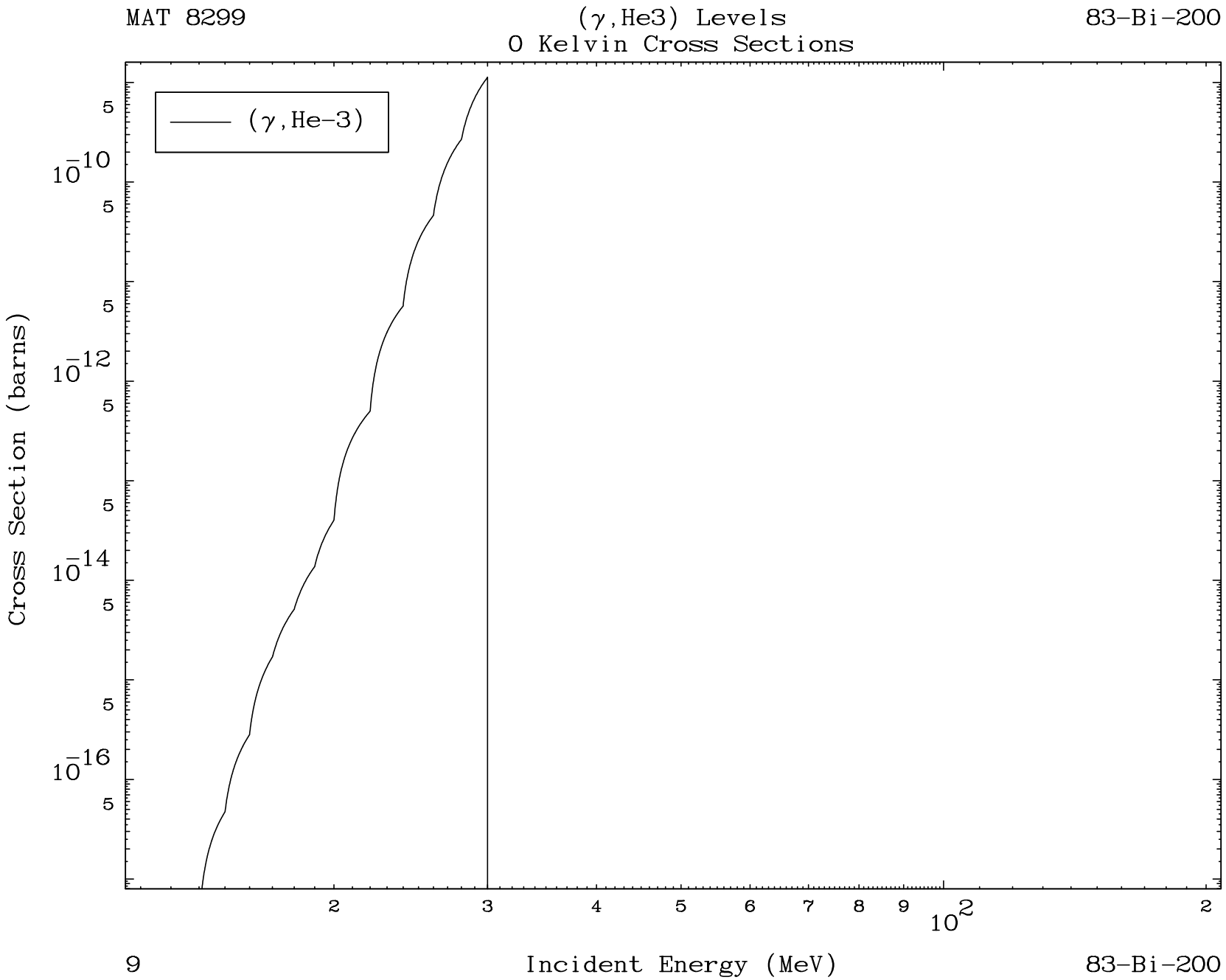

MAT 8299
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-200
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2p)
(γ,p) α
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-200

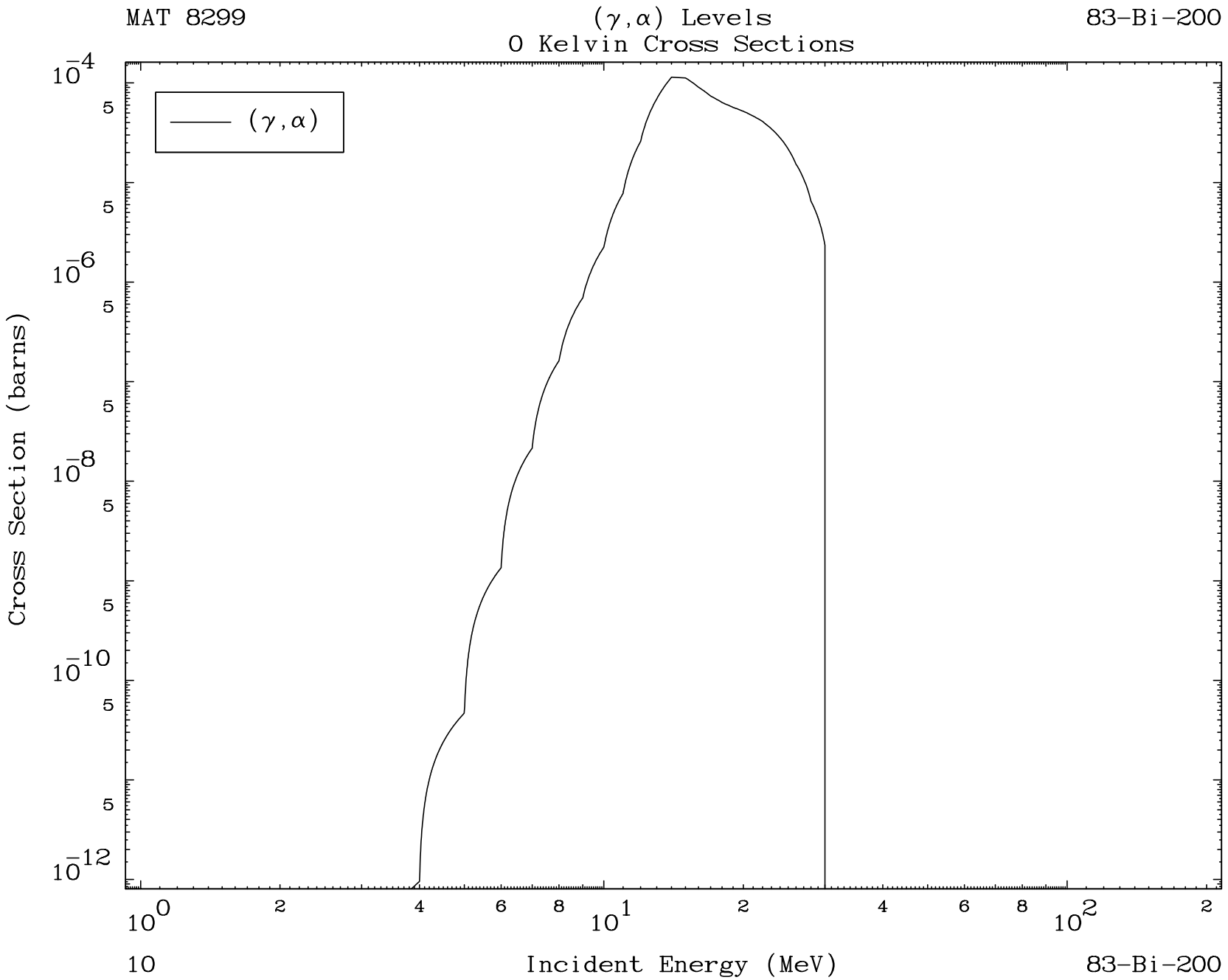

MAT 8299
(γ,n') Level
83-Bi-200
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
83-Bi-200

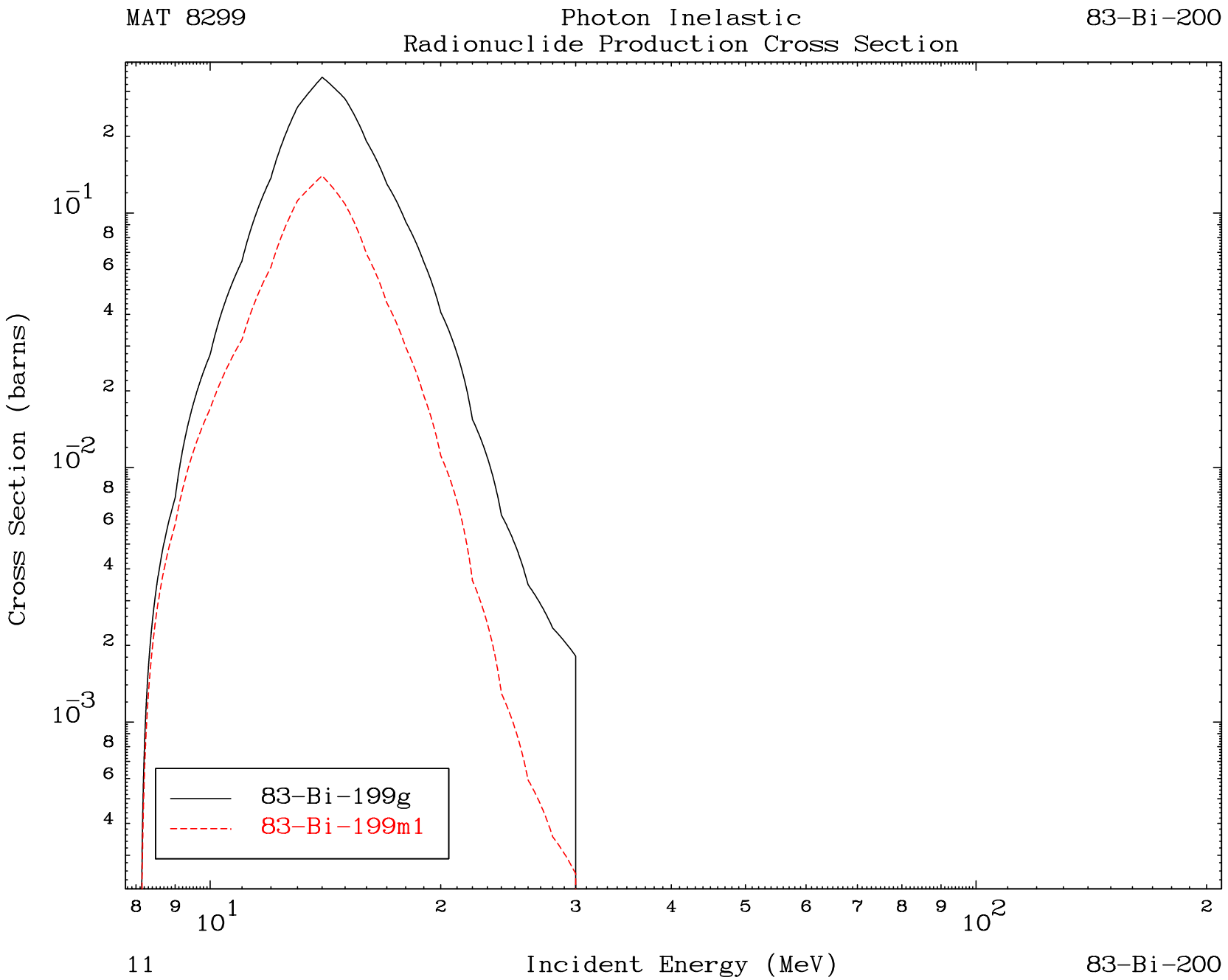

MAT 8299
(γ,p) Levels
83-Bi-200
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2
Incident Energy (MeV)
6
83-Bi-200

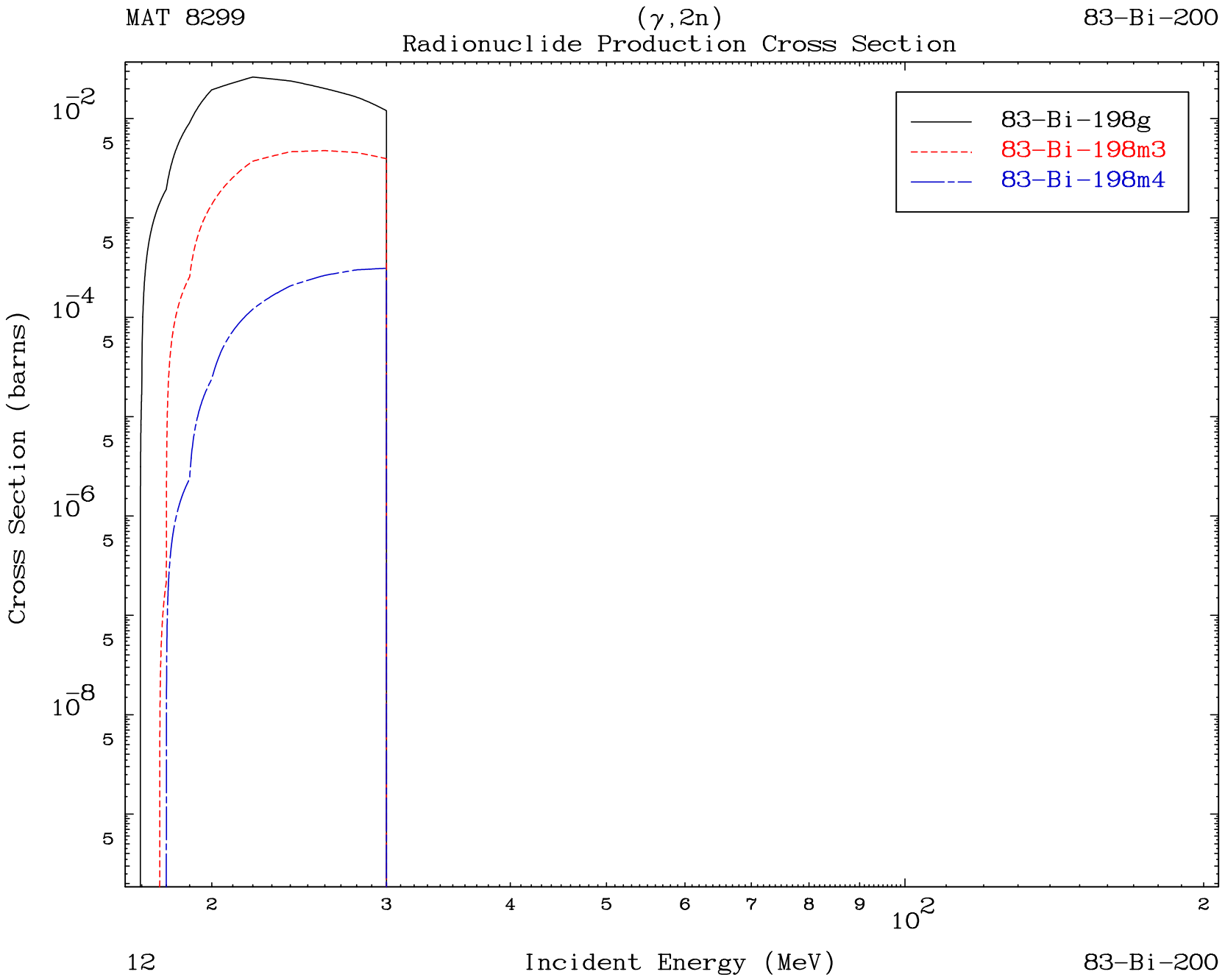

MAT 8299
(γ,d) Levels
83-Bi-200
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
83-Bi-200

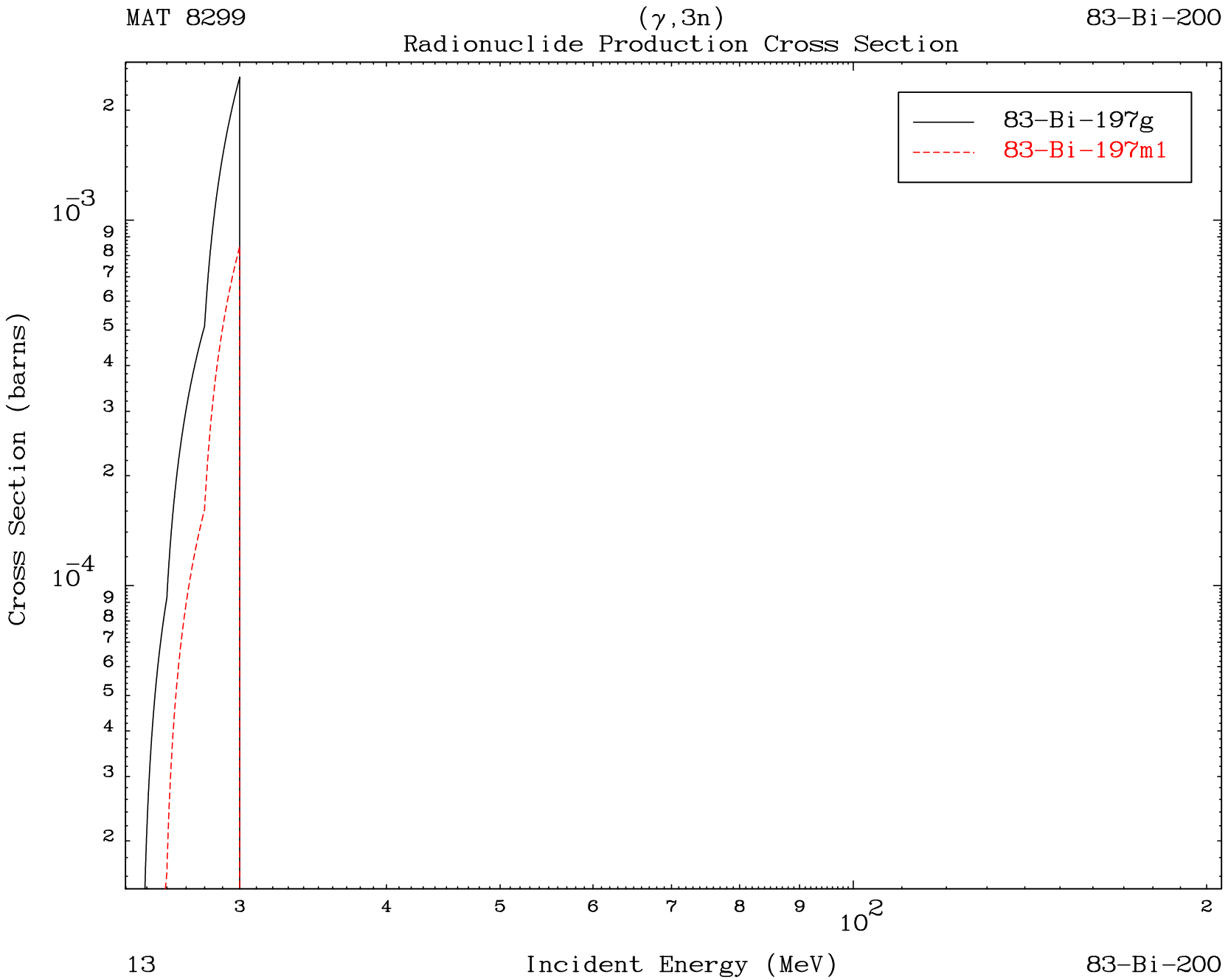

MAT 8299
(γ,t) Levels
83-Bi-200
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
83-Bi-200

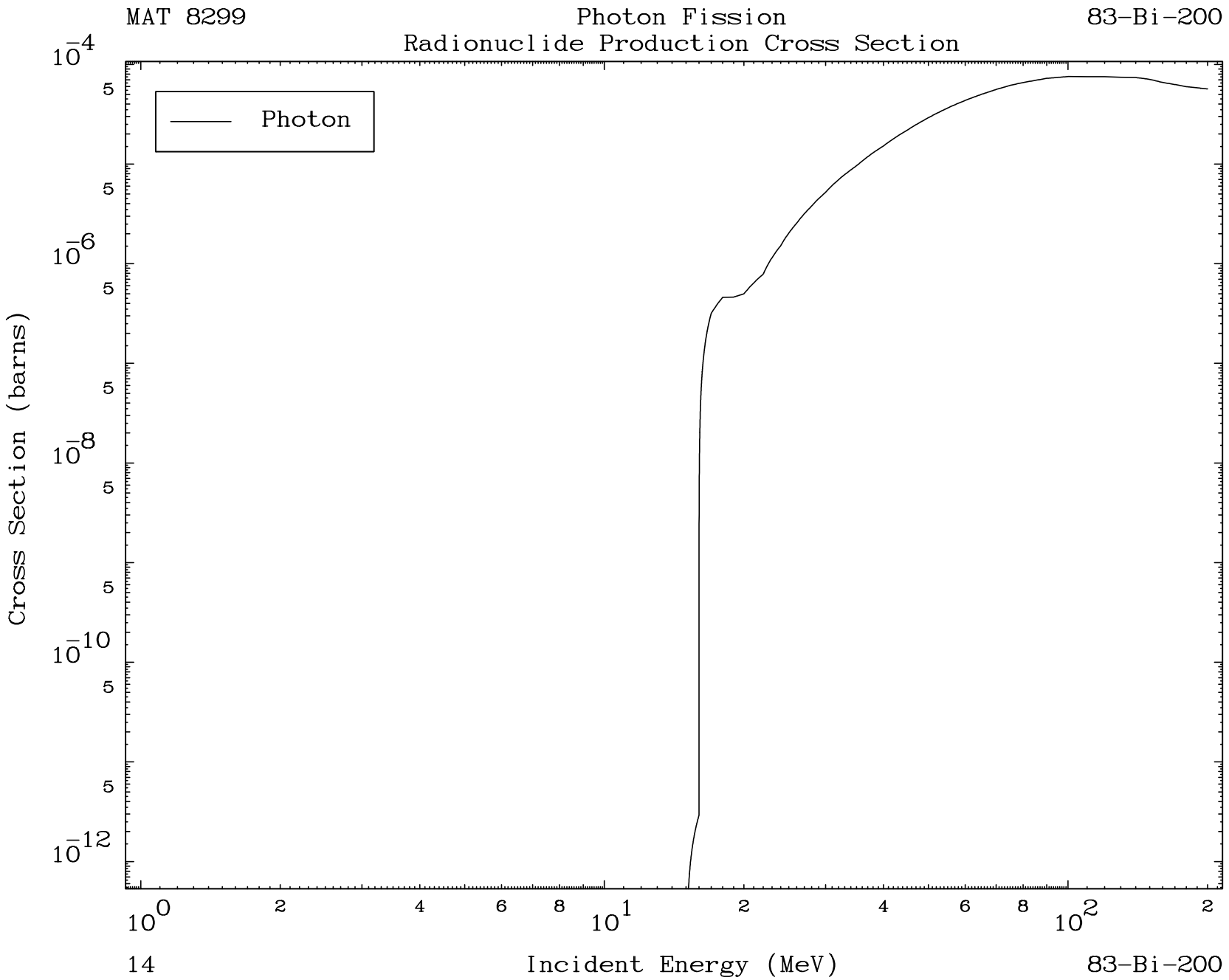

MAT 8299
(γ,He3) Levels
83-Bi-200
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
83-Bi-200

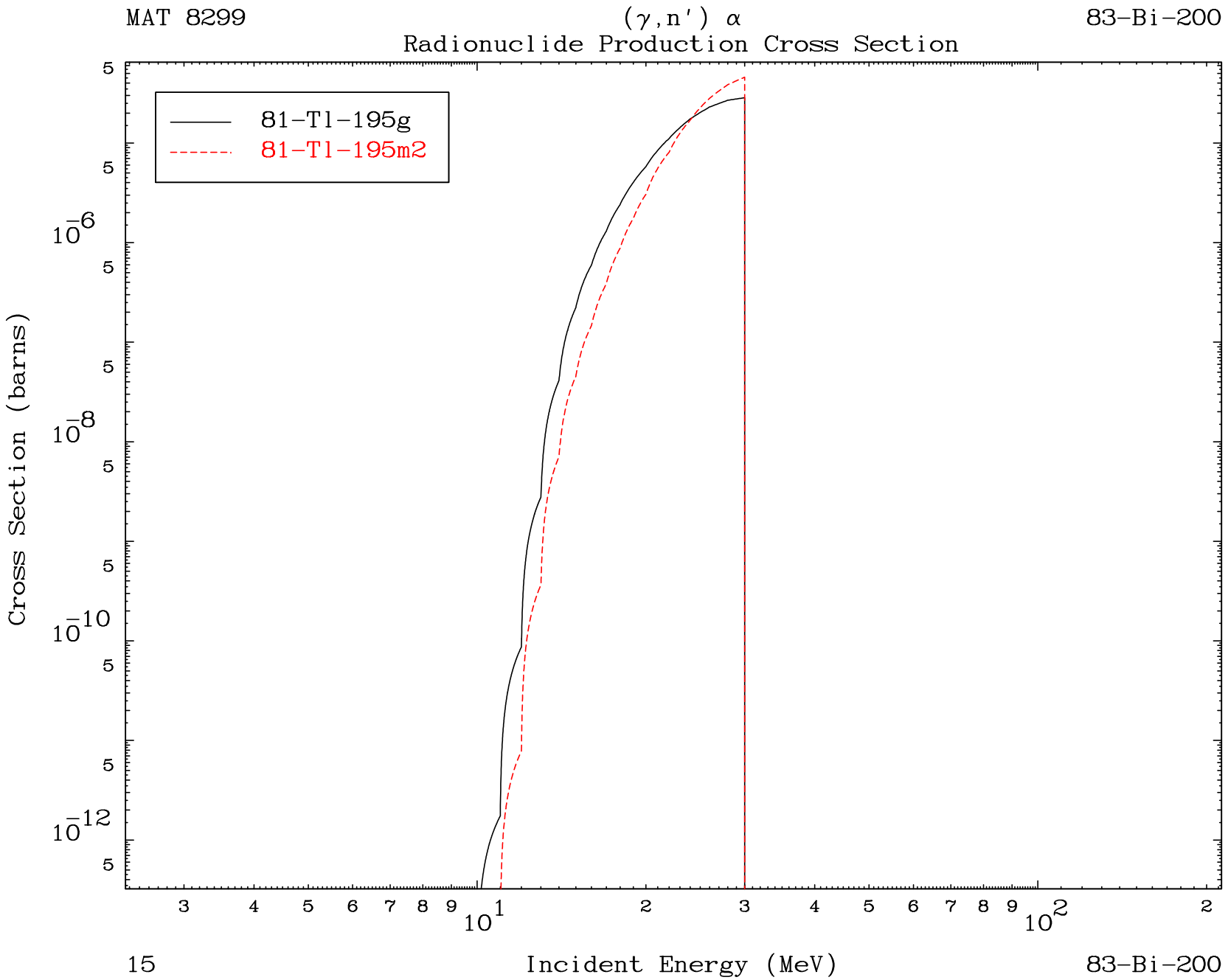

MAT 8299
(γ,α) Levels
83-Bi-200
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-200

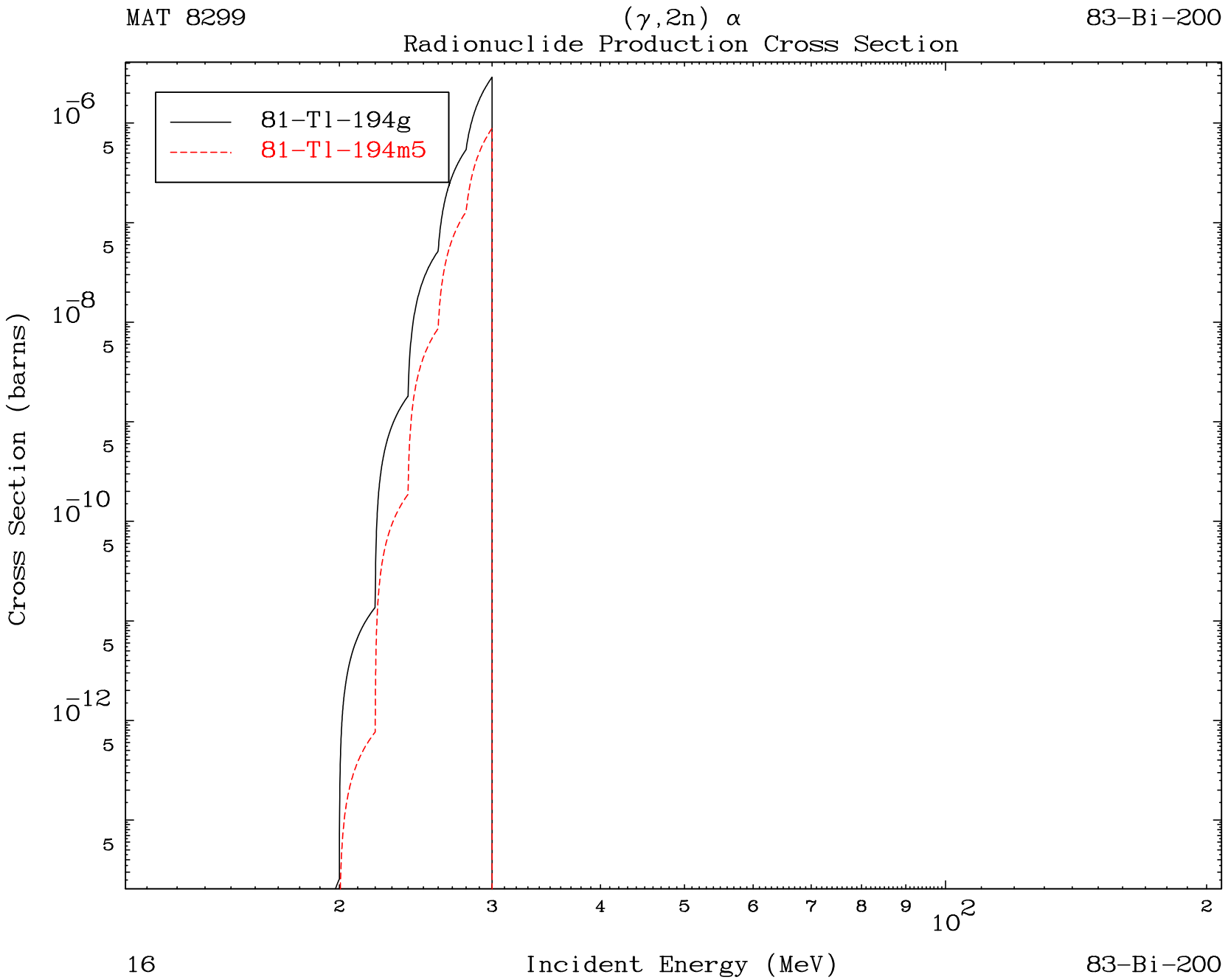

MAT 8299
Photon Inelastic
83-Bi-200
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-200
83-Bi-199g
83-Bi-199m1

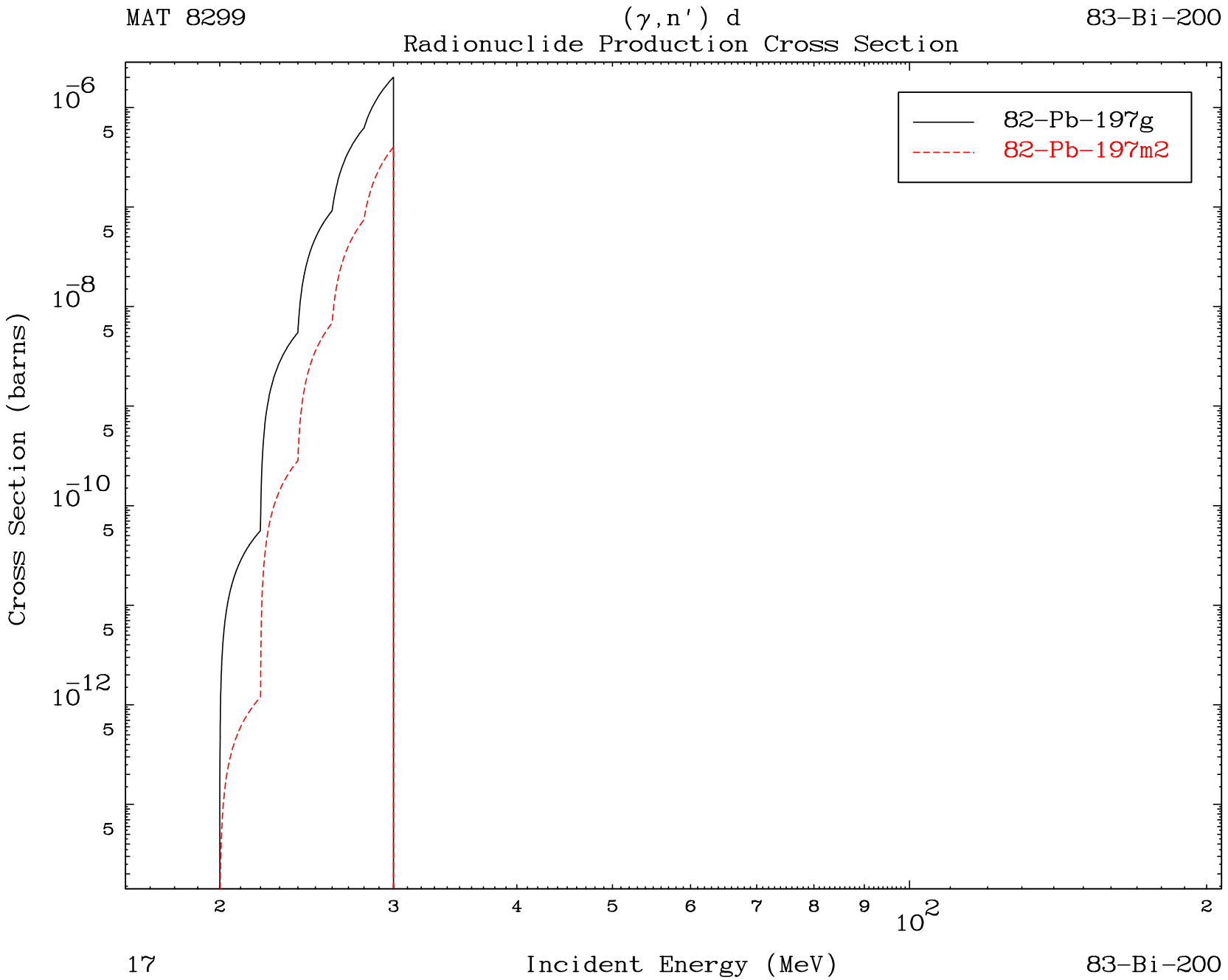

MAT 8299
(γ,2n)
83-Bi-200
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
83-Bi-200

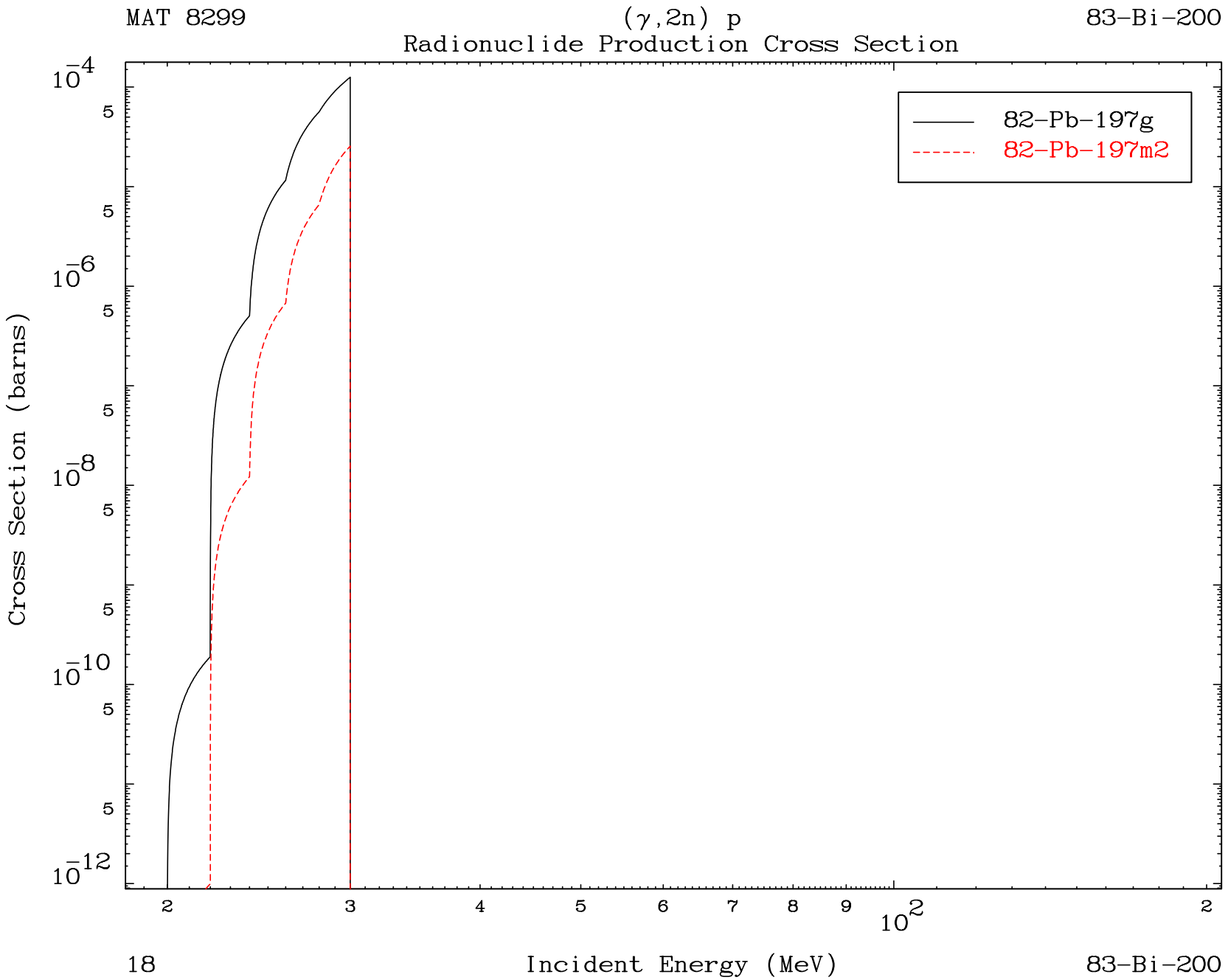

MAT 8299
(γ,3n)
83-Bi-200
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-3
10-4
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
13
83-Bi-200

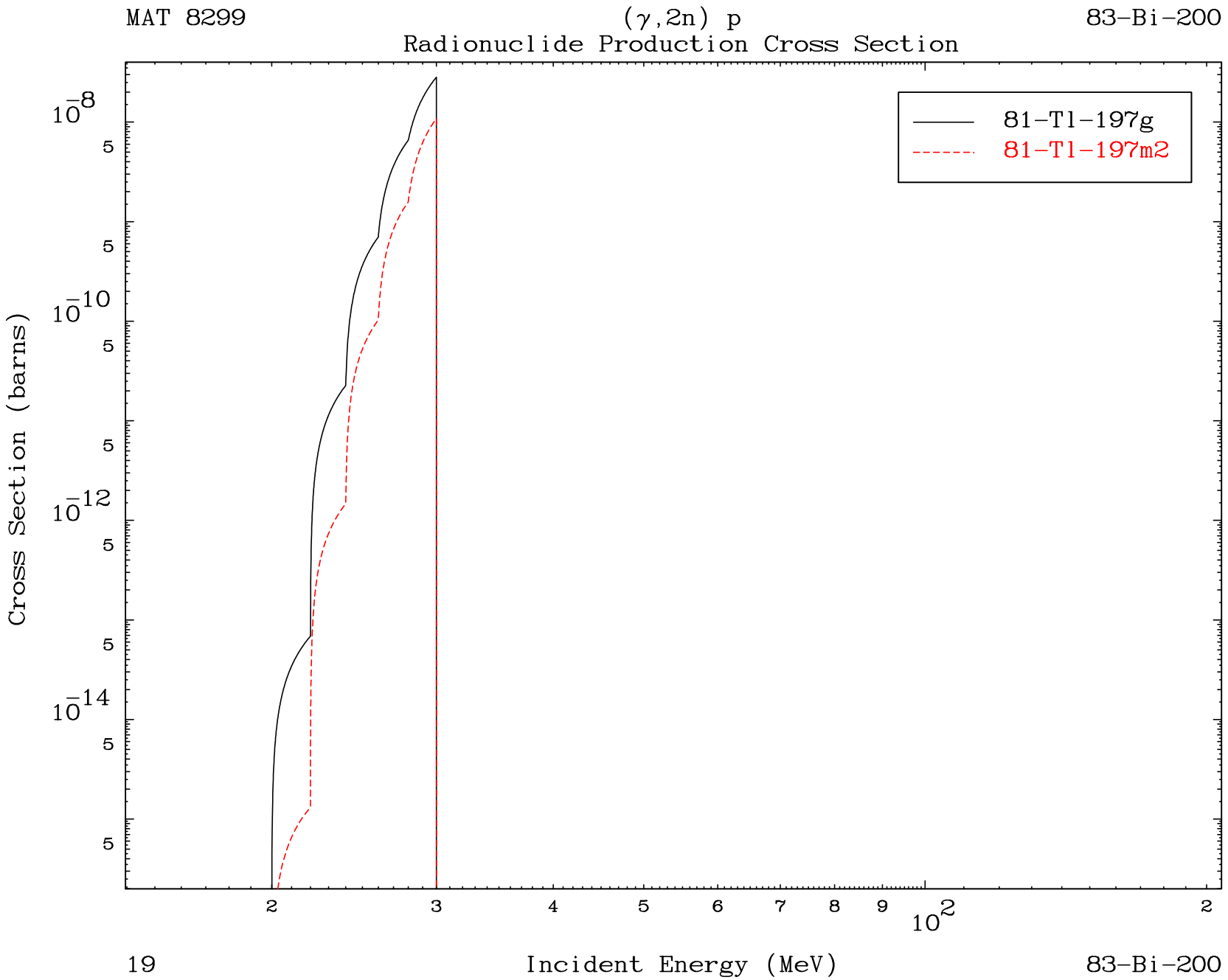

MAT 8299
Photon Fission
83-Bi-200
Radionuclide Production Cross Section
Photon
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
14
Incident Energy (MeV)
83-Bi-200

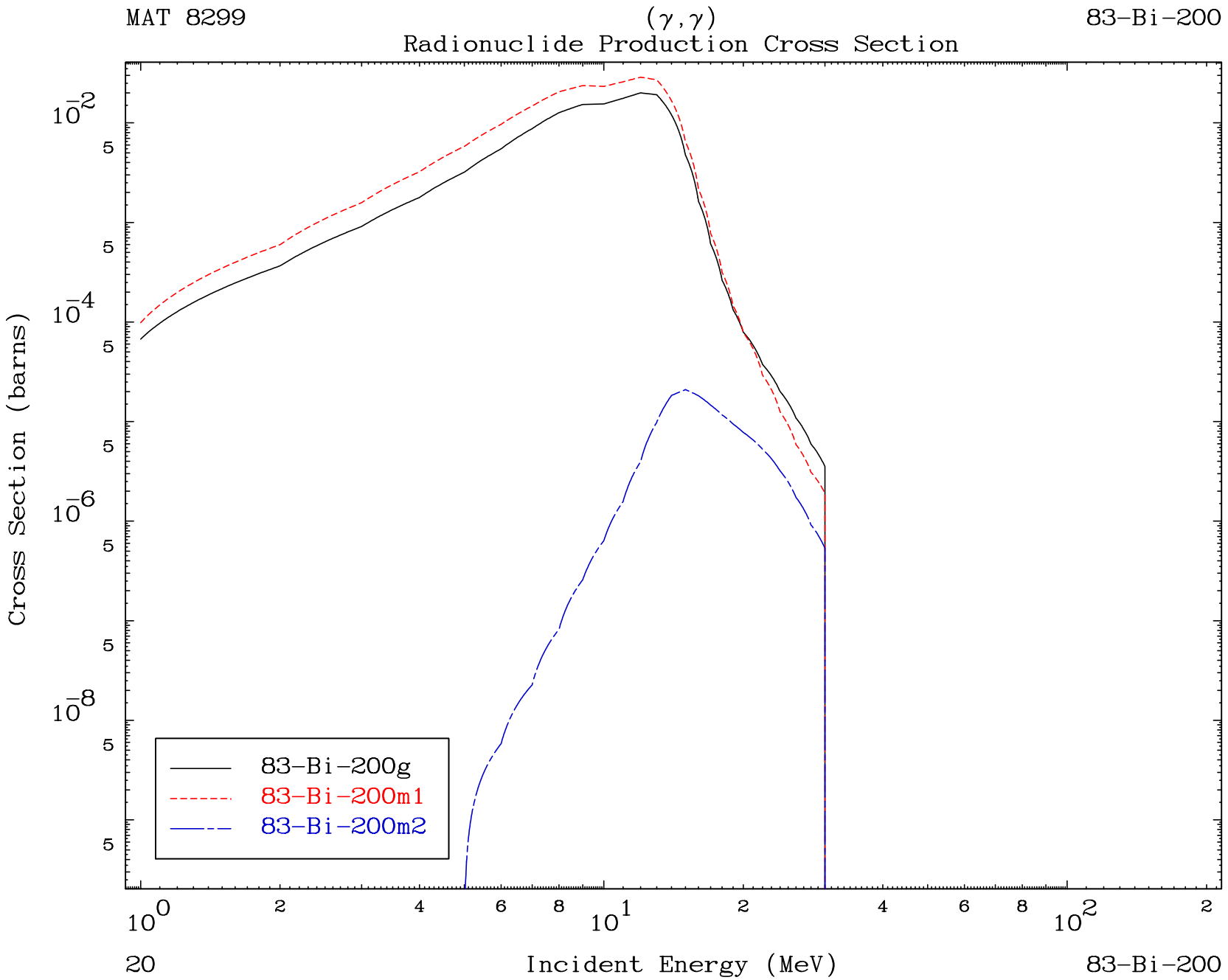

MAT 8299
(γ,n') α
83-Bi-200
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
15
83-Bi-200

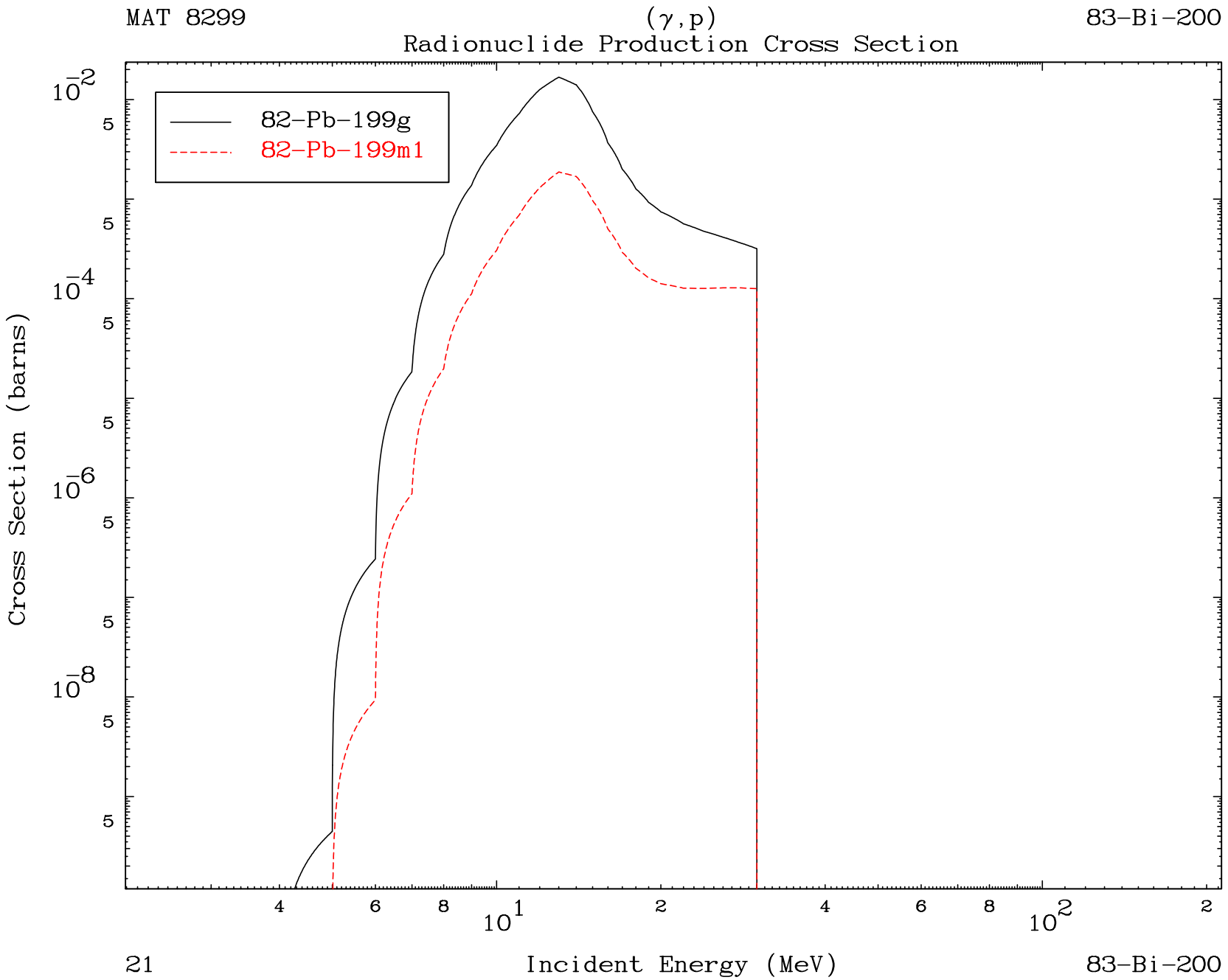

MAT 8299
(γ,2n) α
83-Bi-200
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
83-Bi-200

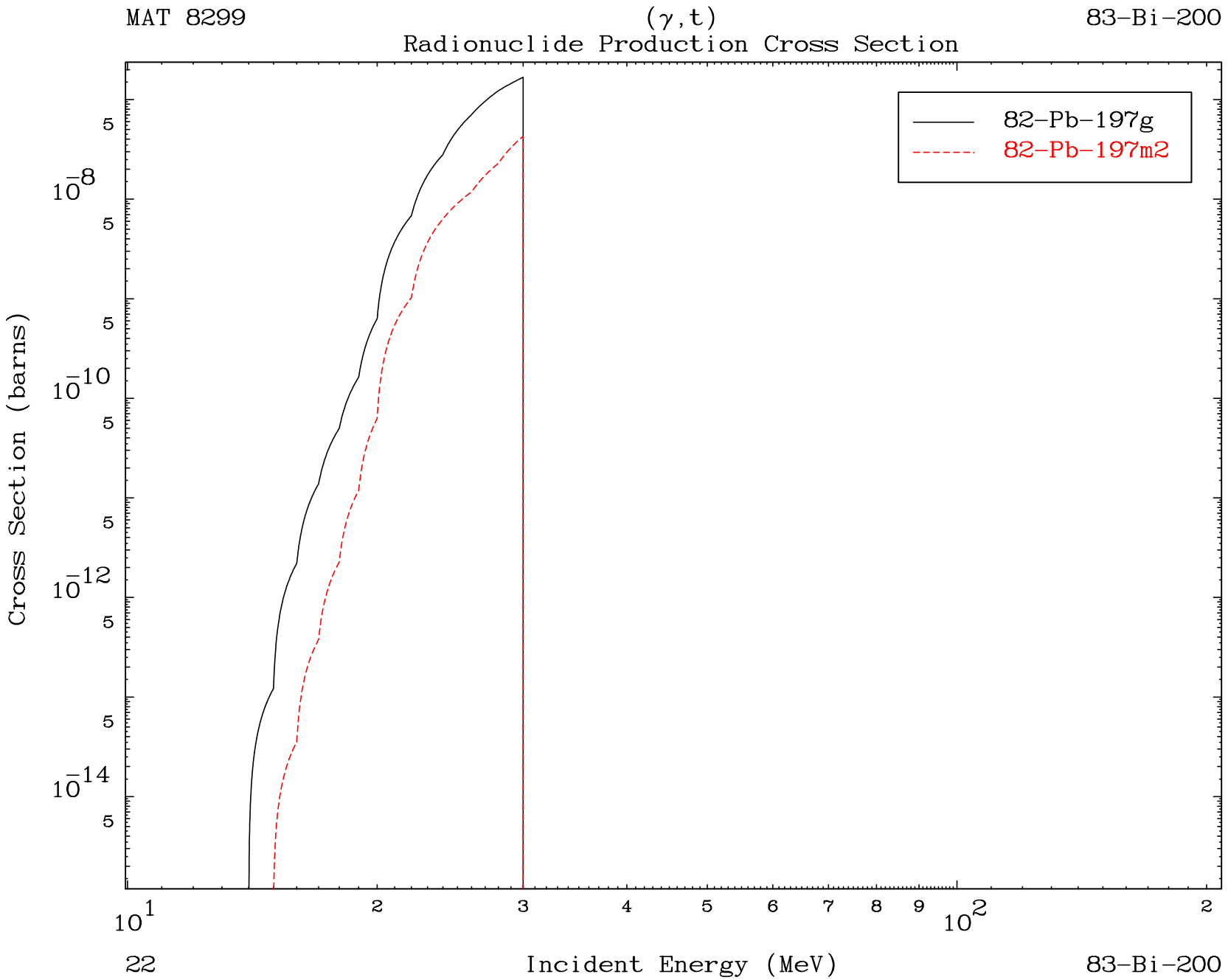

MAT 8299
(γ,n') d
83-Bi-200
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
83-Bi-200

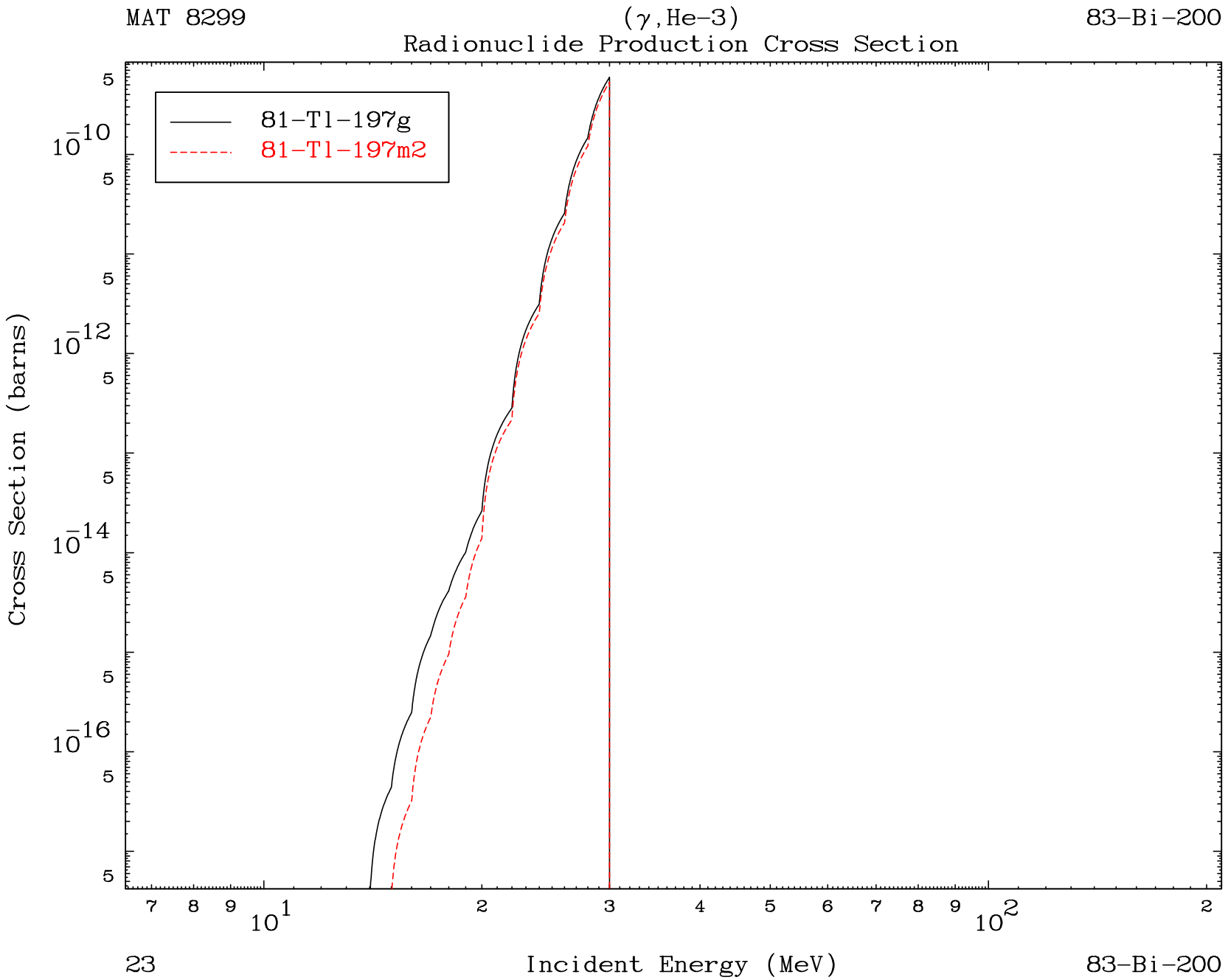

MAT 8299
(γ,2n) p
83-Bi-200
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
83-Bi-200

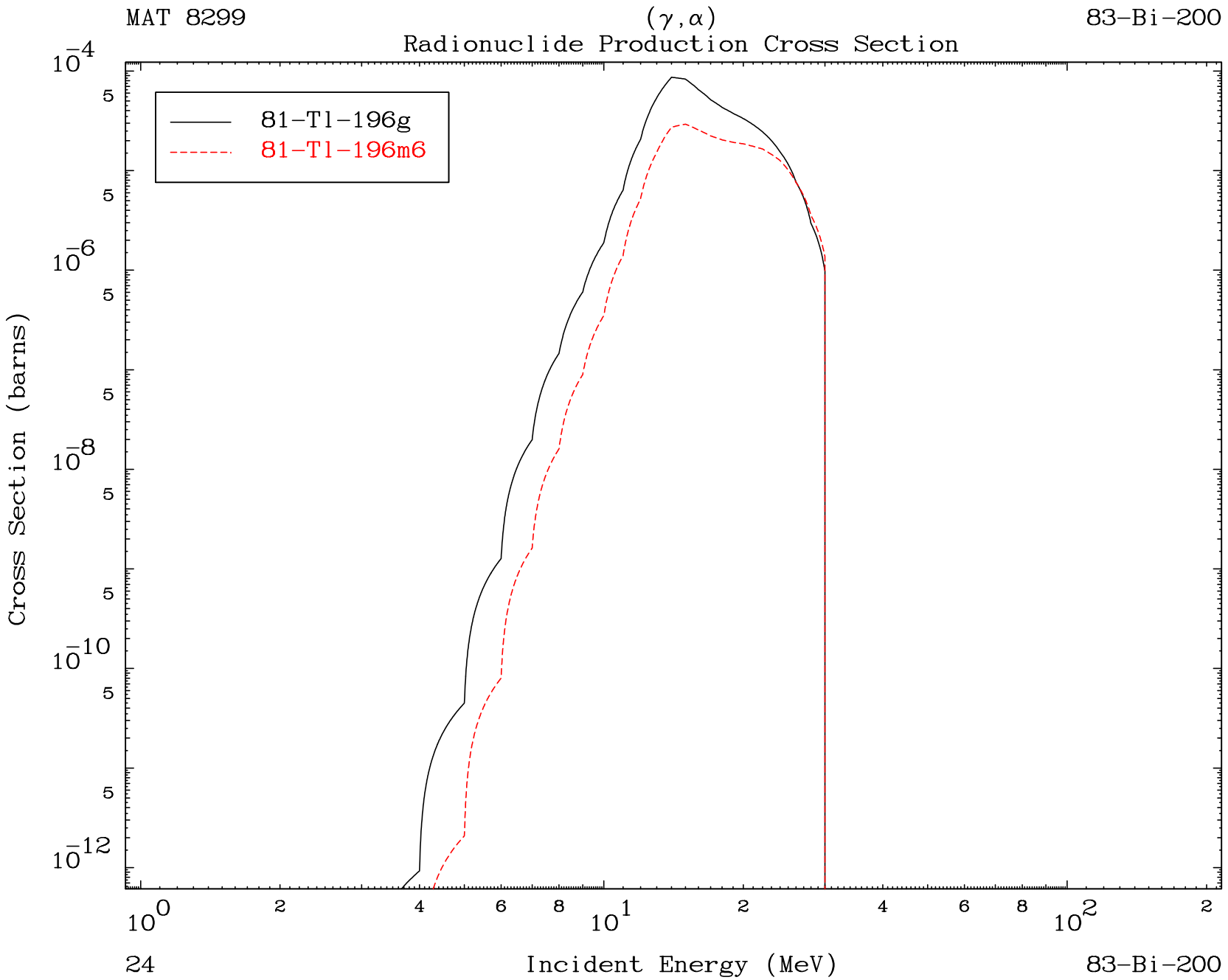

MAT 8299
(γ,2n) p
83-Bi-200
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
83-Bi-200

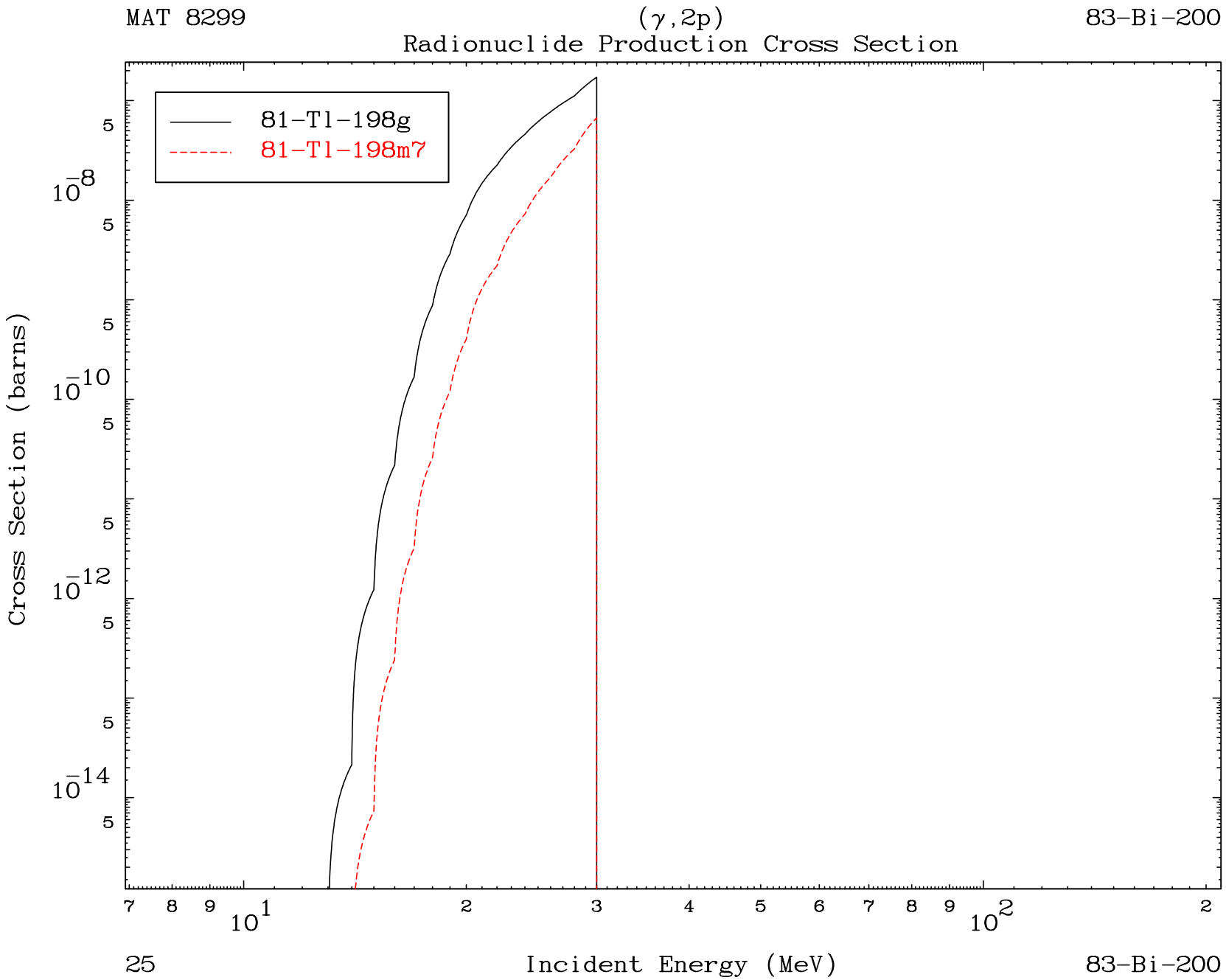

MAT 8299
(γ,γ)
83-Bi-200
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
2
4
6
8
101
102
Incident Energy (MeV)
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
20
83-Bi-200

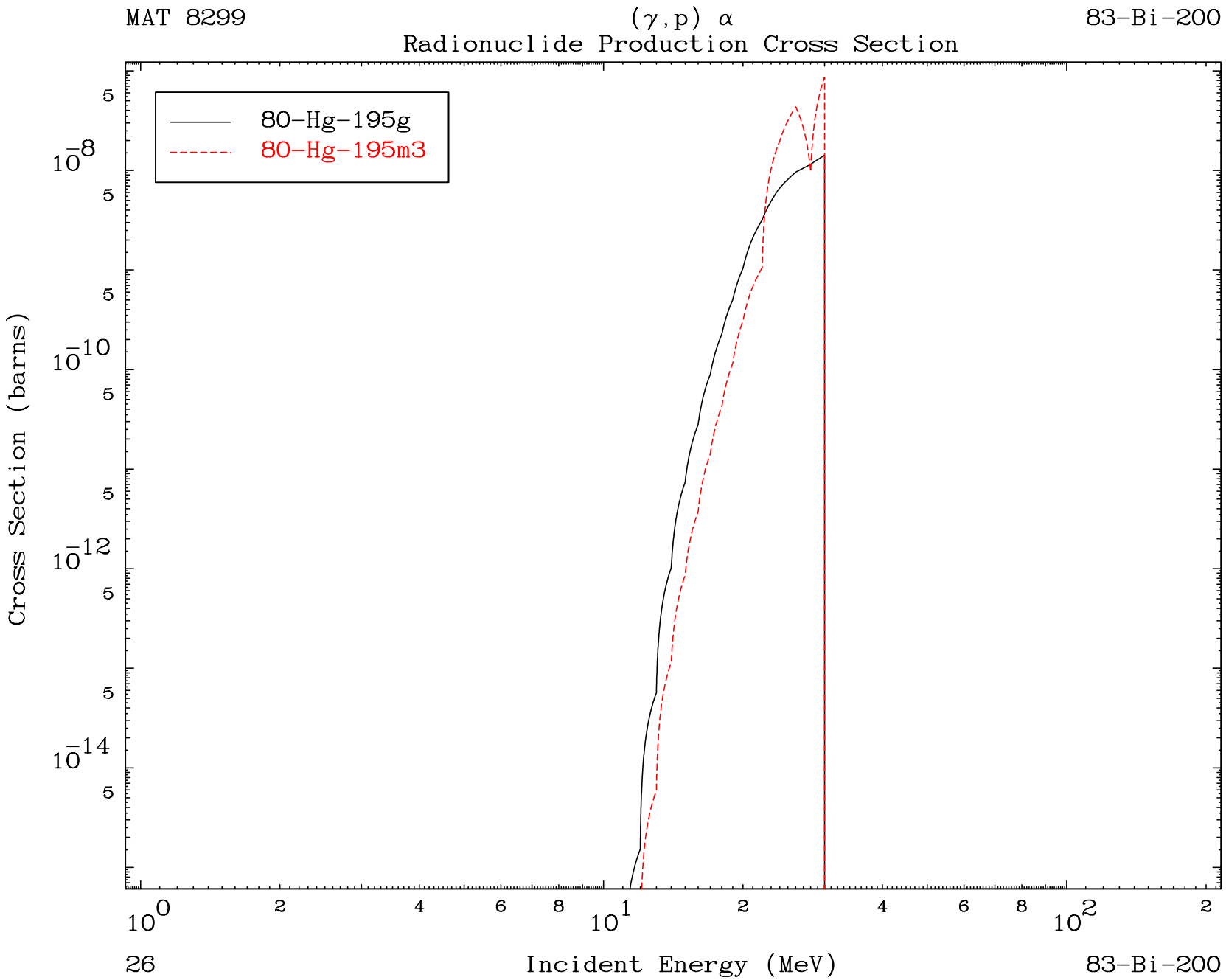

MAT 8299
(γ,p)
83-Bi-200
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
4
6
8
10^1
2
4
6
8
10^2
2
21
Incident Energy (MeV)
83-Bi-200


MAT 8299
(γ,t)
83-Bi-200
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
22
83-Bi-200


MAT 8299
(γ,He-3)
83-Bi-200
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
23
83-Bi-200


MAT 8299
(γ,α)
83-Bi-200
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
24
83-Bi-200


MAT 8299
(γ,2p)
83-Bi-200
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
Incident Energy (MeV)
25
83-Bi-200


MAT 8299
(γ,p) α
83-Bi-200
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
2
4
6
8
10^1
10^2
26
Incident Energy (MeV)
83-Bi-200