Program EVALPLOT
(Version 2018-1)
by
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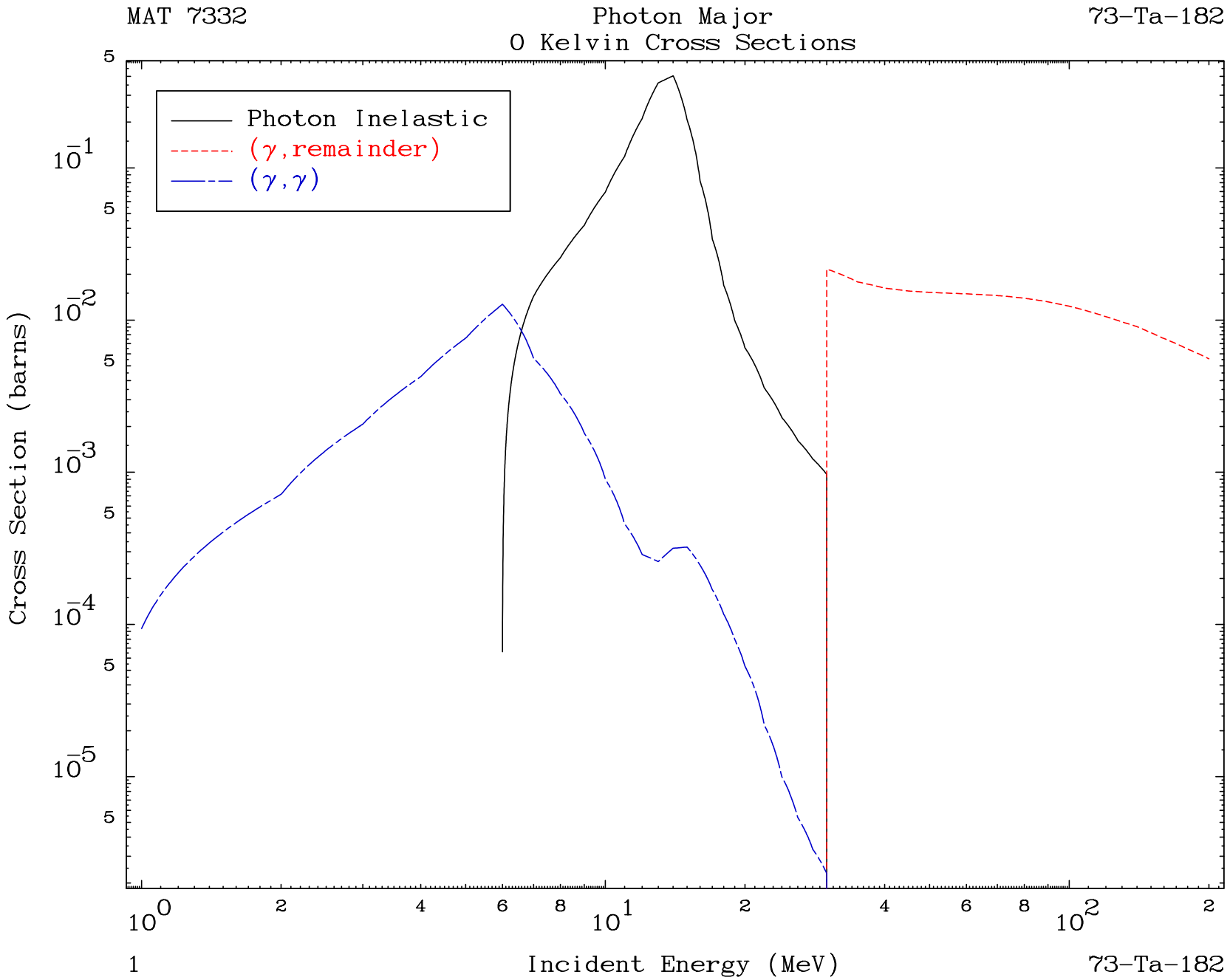
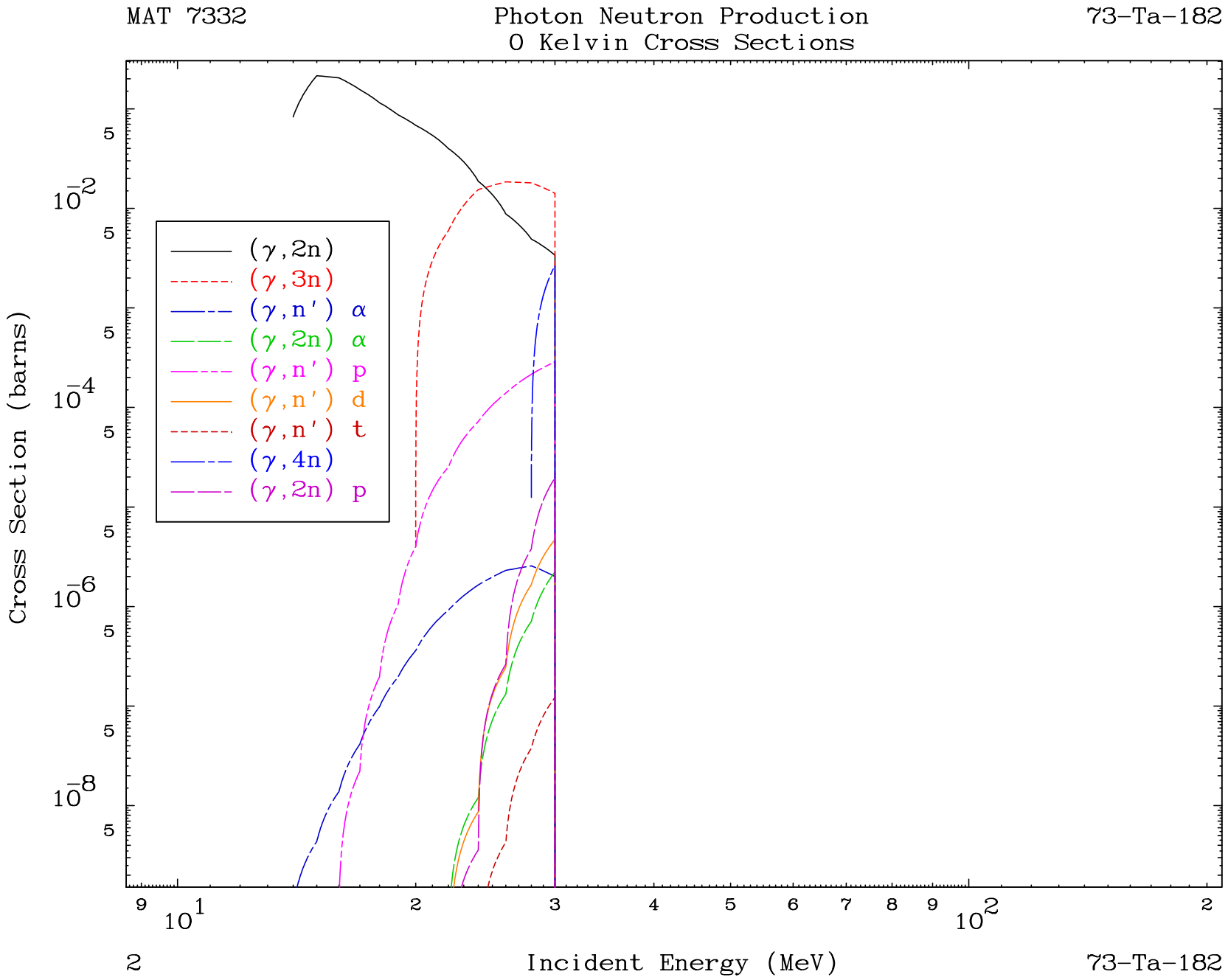
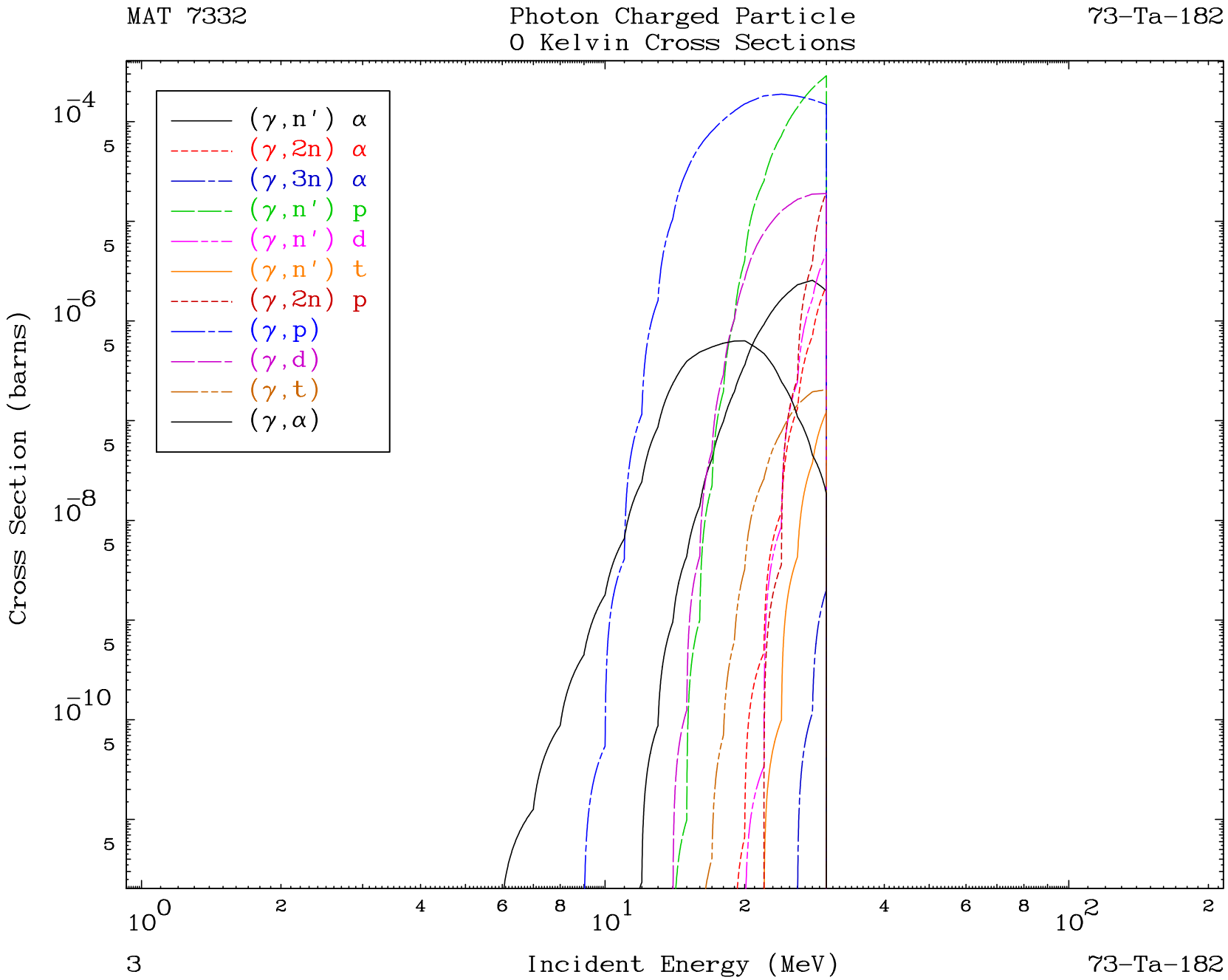
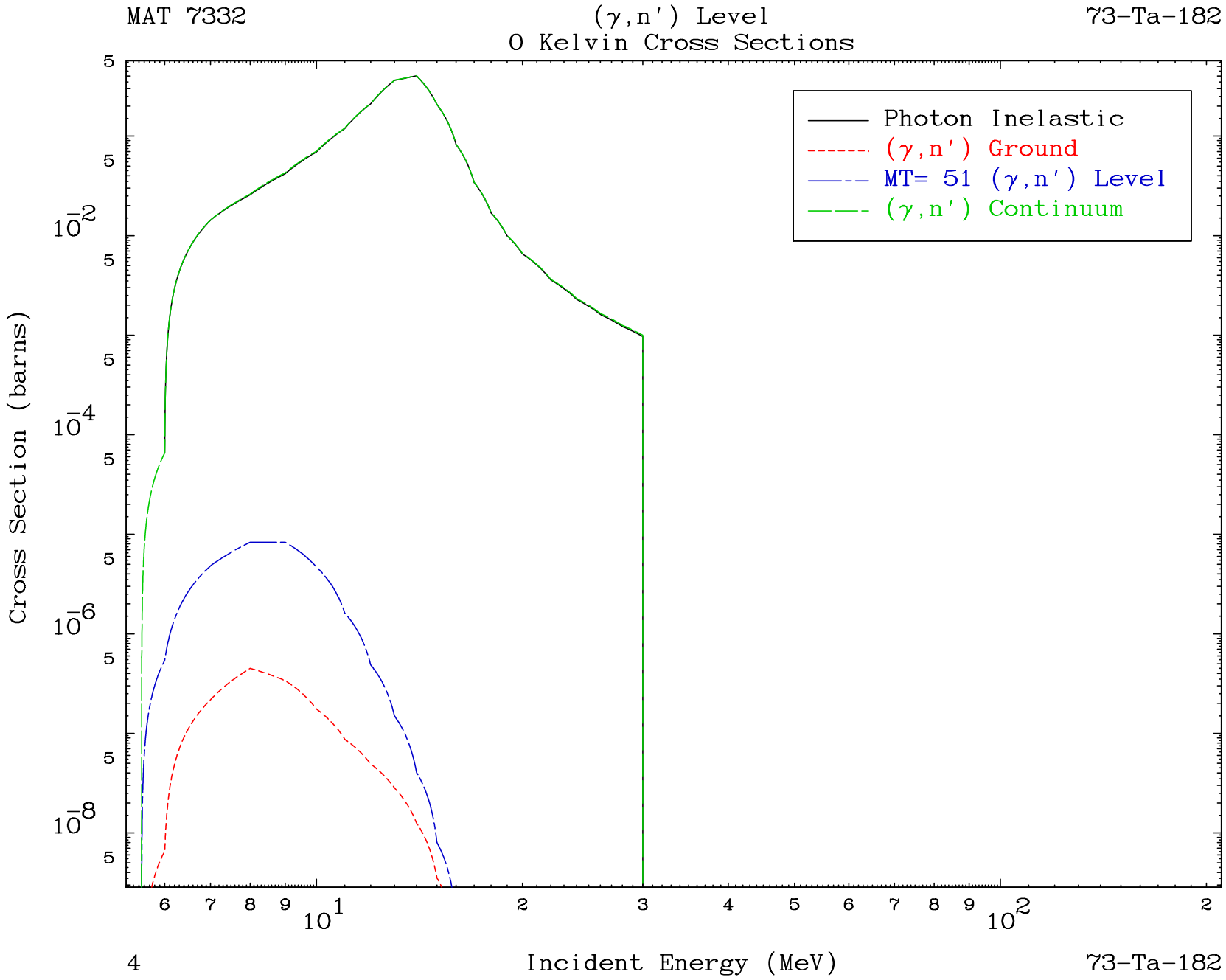
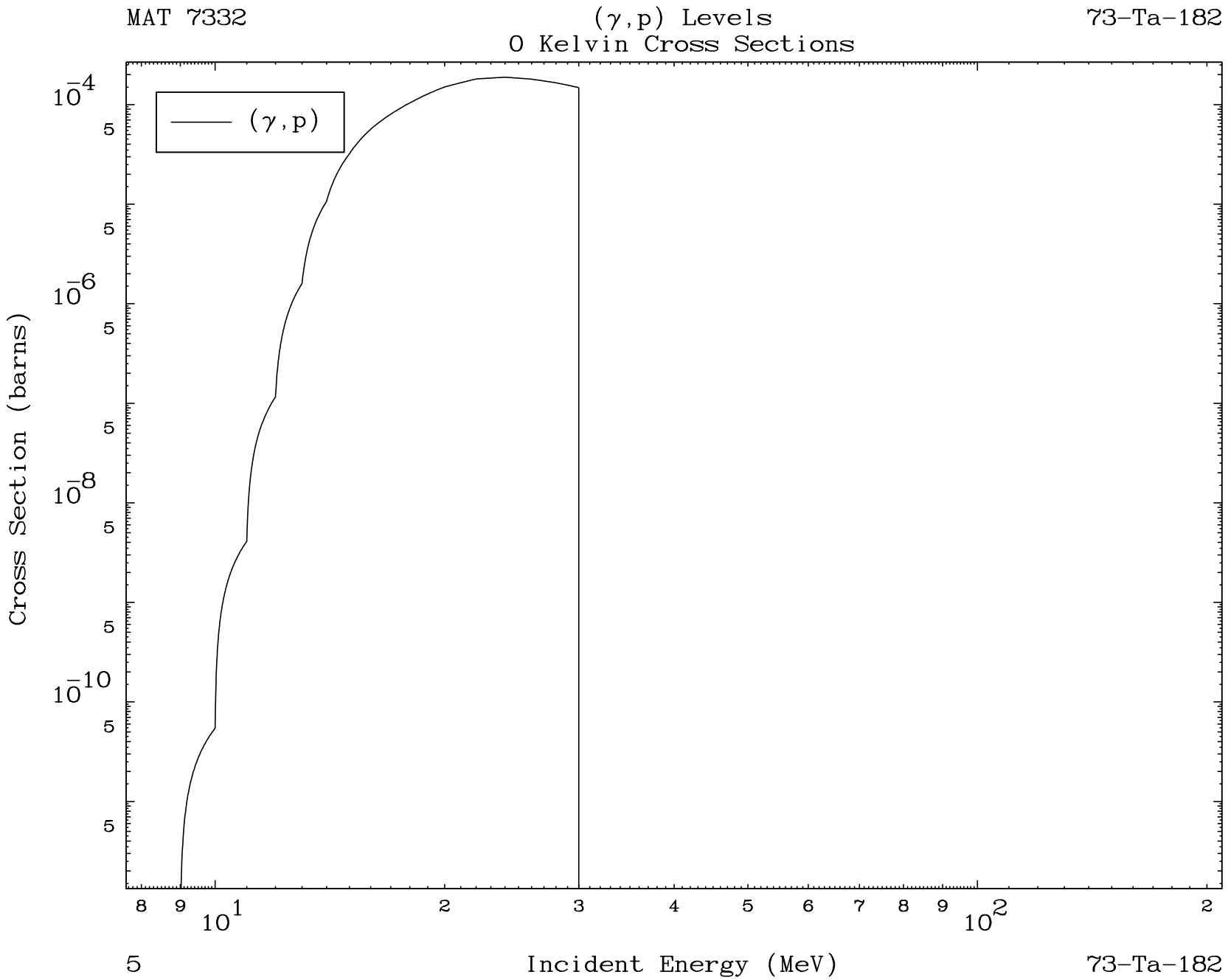
Press Mouse Button to Start

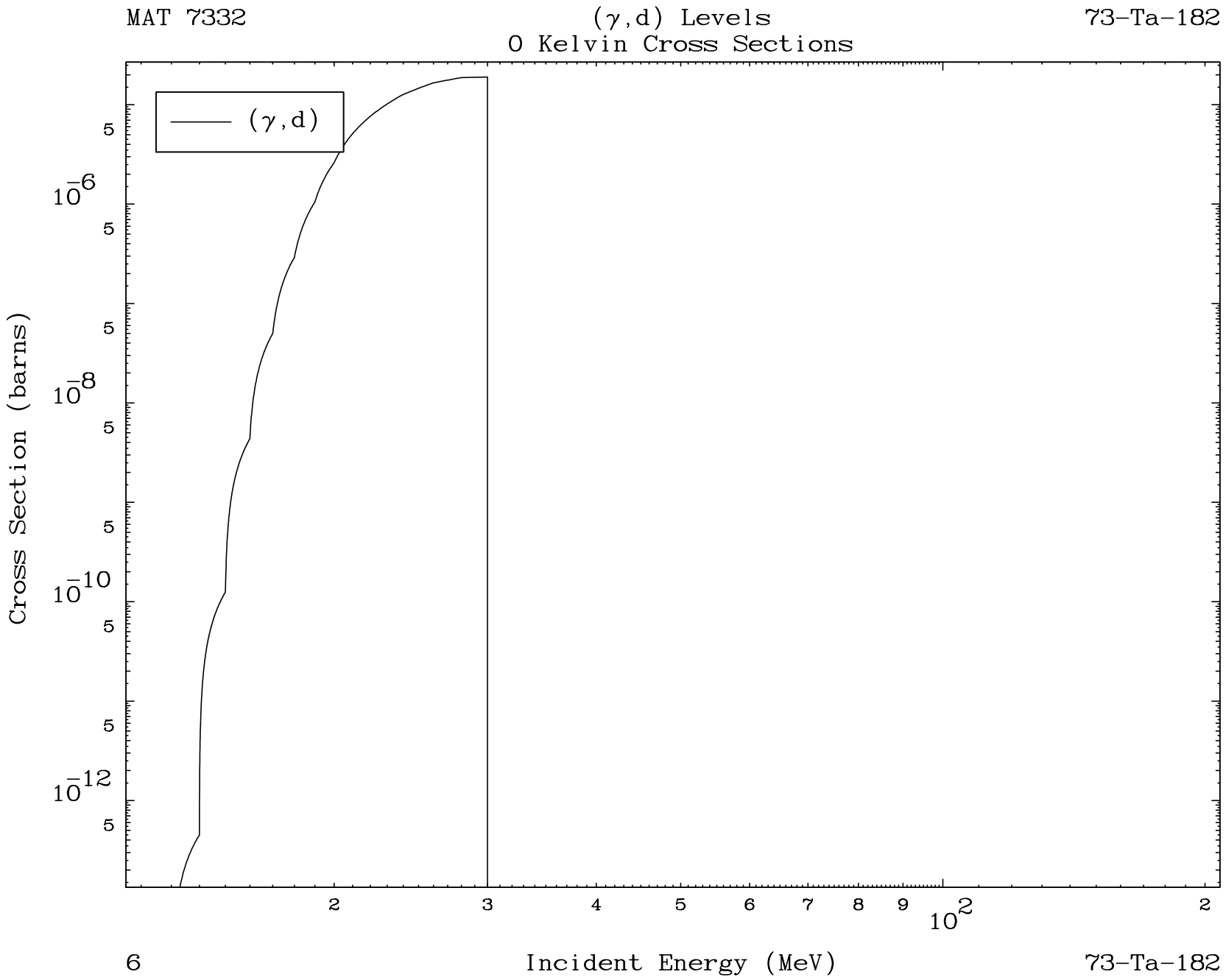

MAT 7332
Photon Major
73-Ta-182
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182

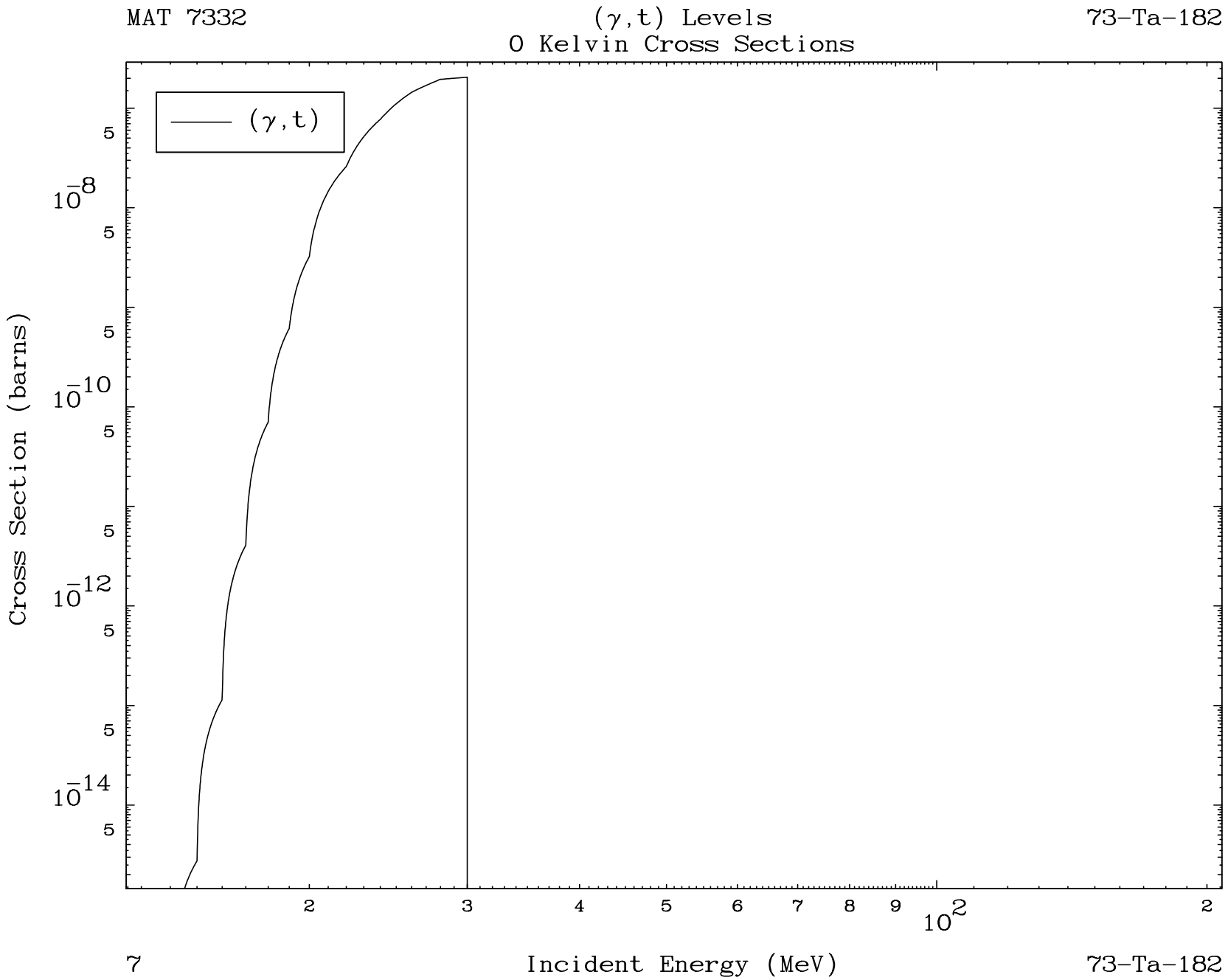

MAT 7332
Photon Neutron Production
0 Kelvin Cross Sections
73-Ta-182
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p

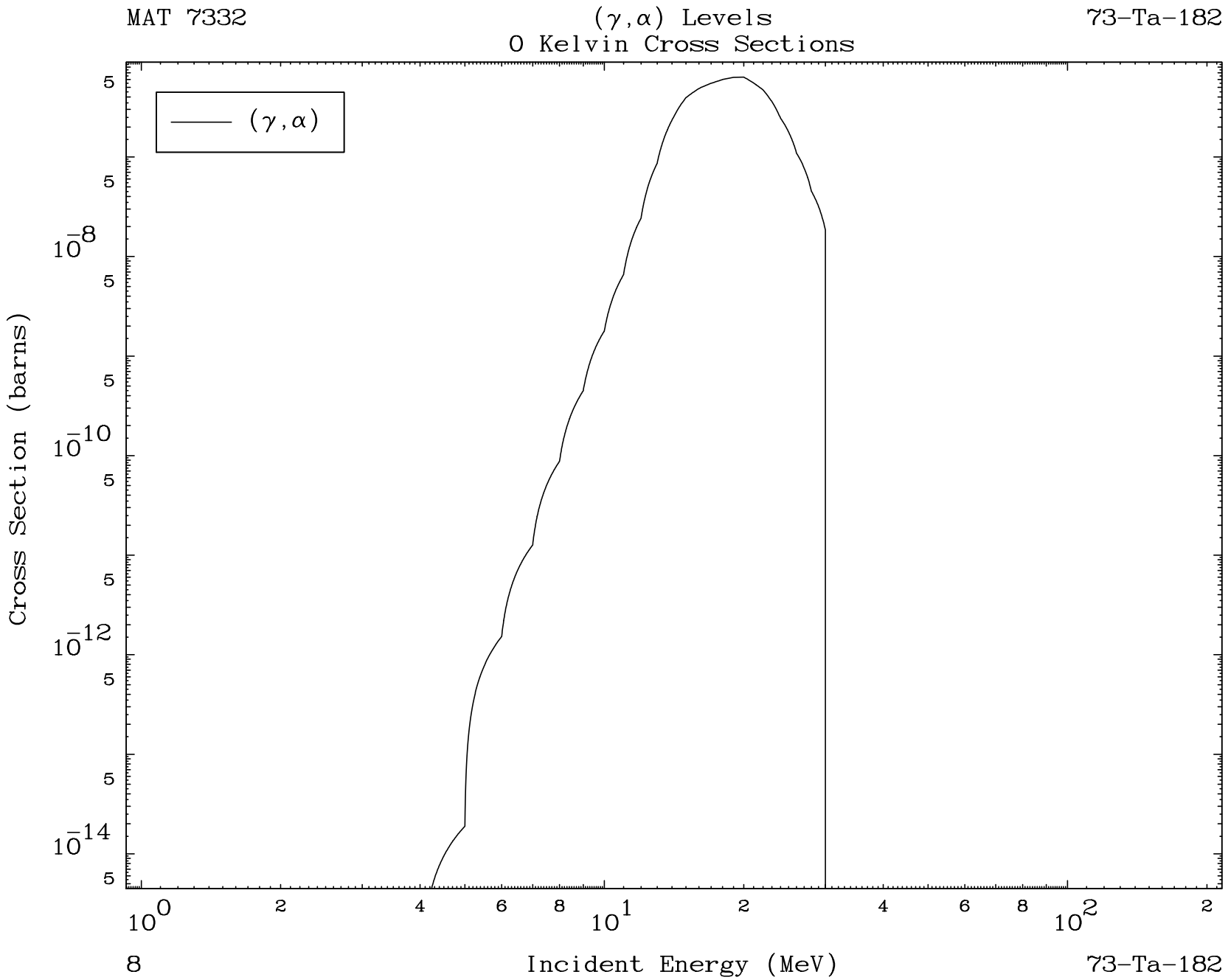

MAT 7332
Photon Charged Particle
0 Kelvin Cross Sections
73-Ta-182
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
3
73-Ta-182

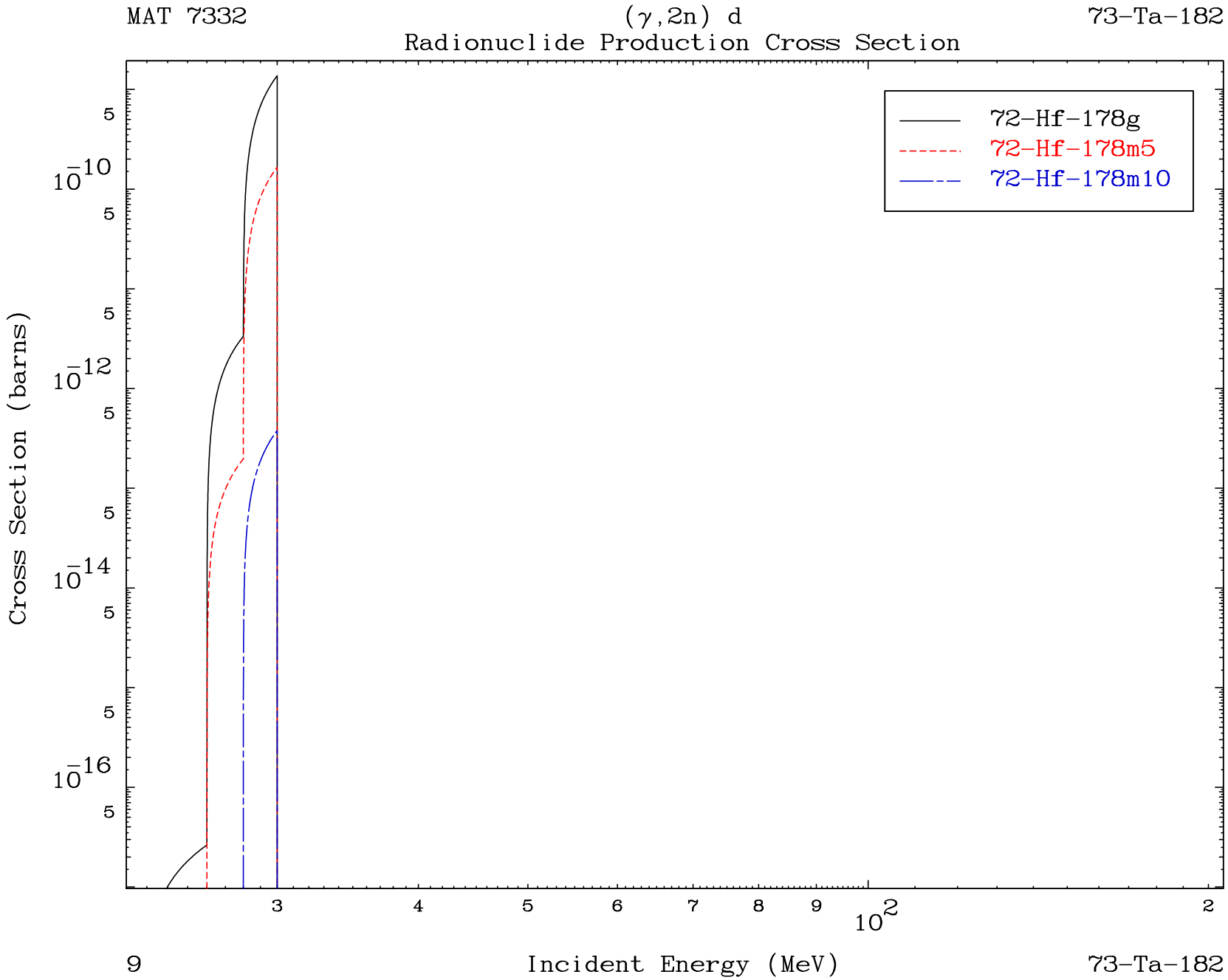

MAT 7332
(γ,n') Level
73-Ta-182
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
73-Ta-182

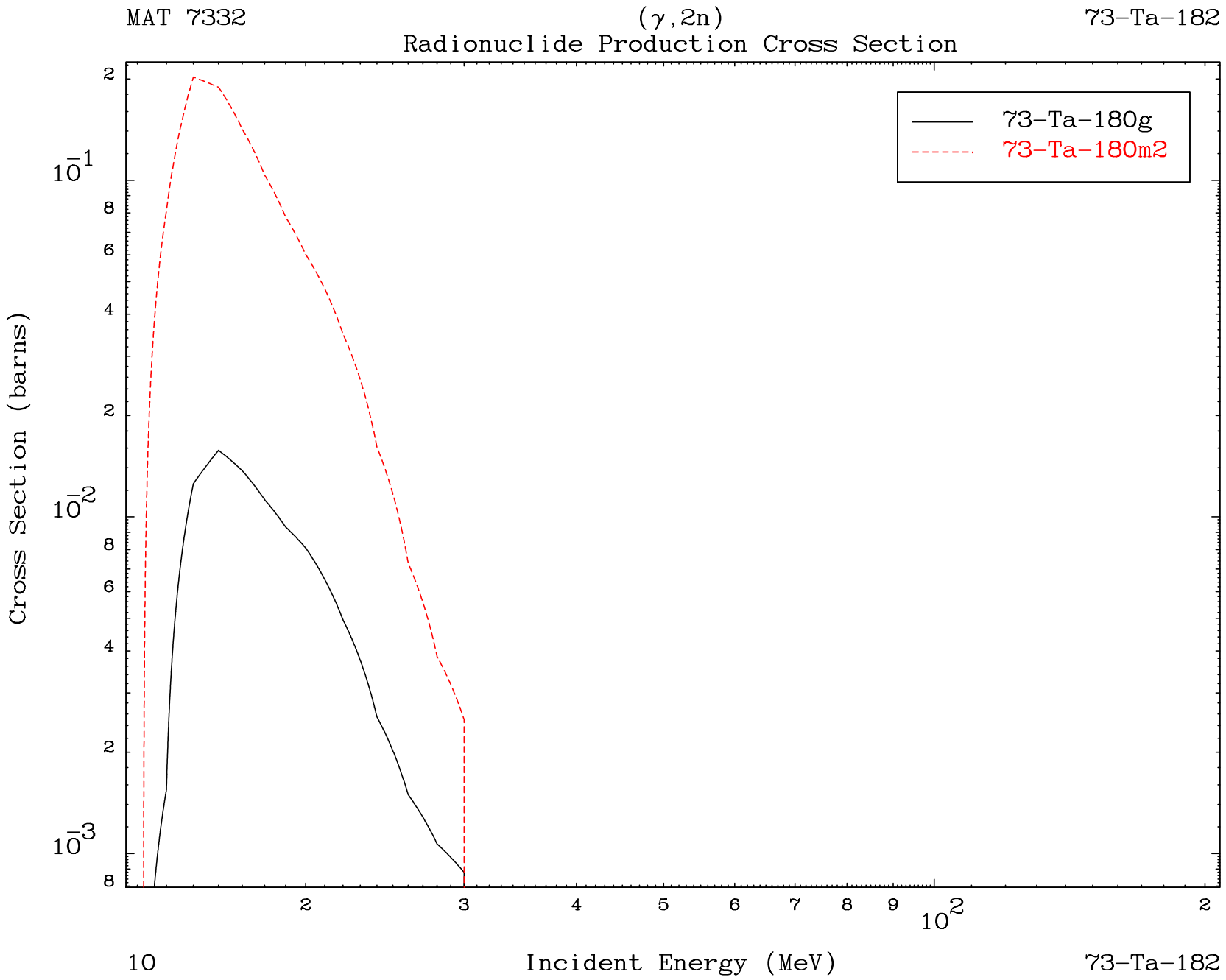

MAT 7332
(γ,p) Levels
73-Ta-182
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
73-Ta-182

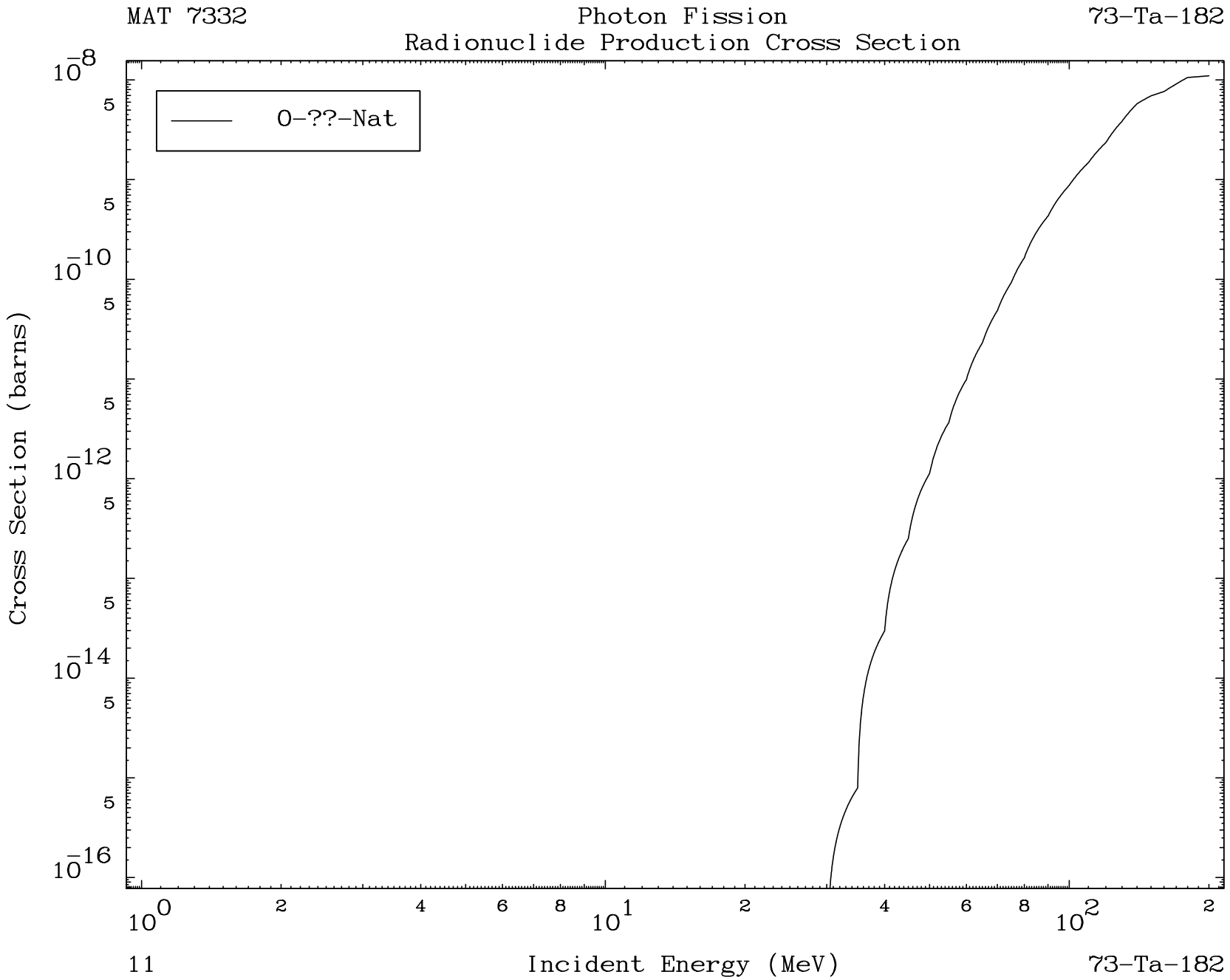

MAT 7332
(γ,d) Levels
73-Ta-182
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
73-Ta-182

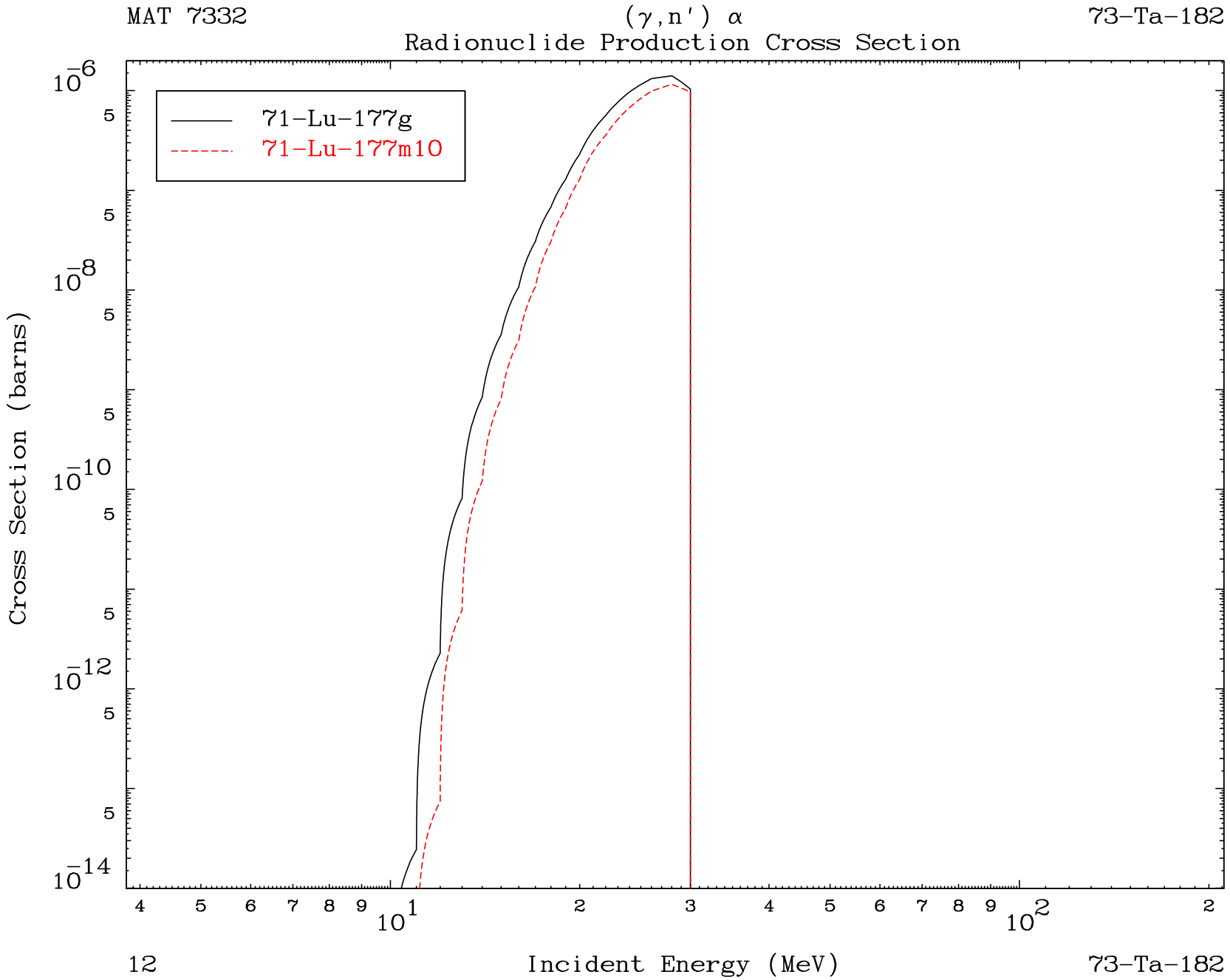

MAT 7332
(γ,t) Levels
73-Ta-182
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
73-Ta-182

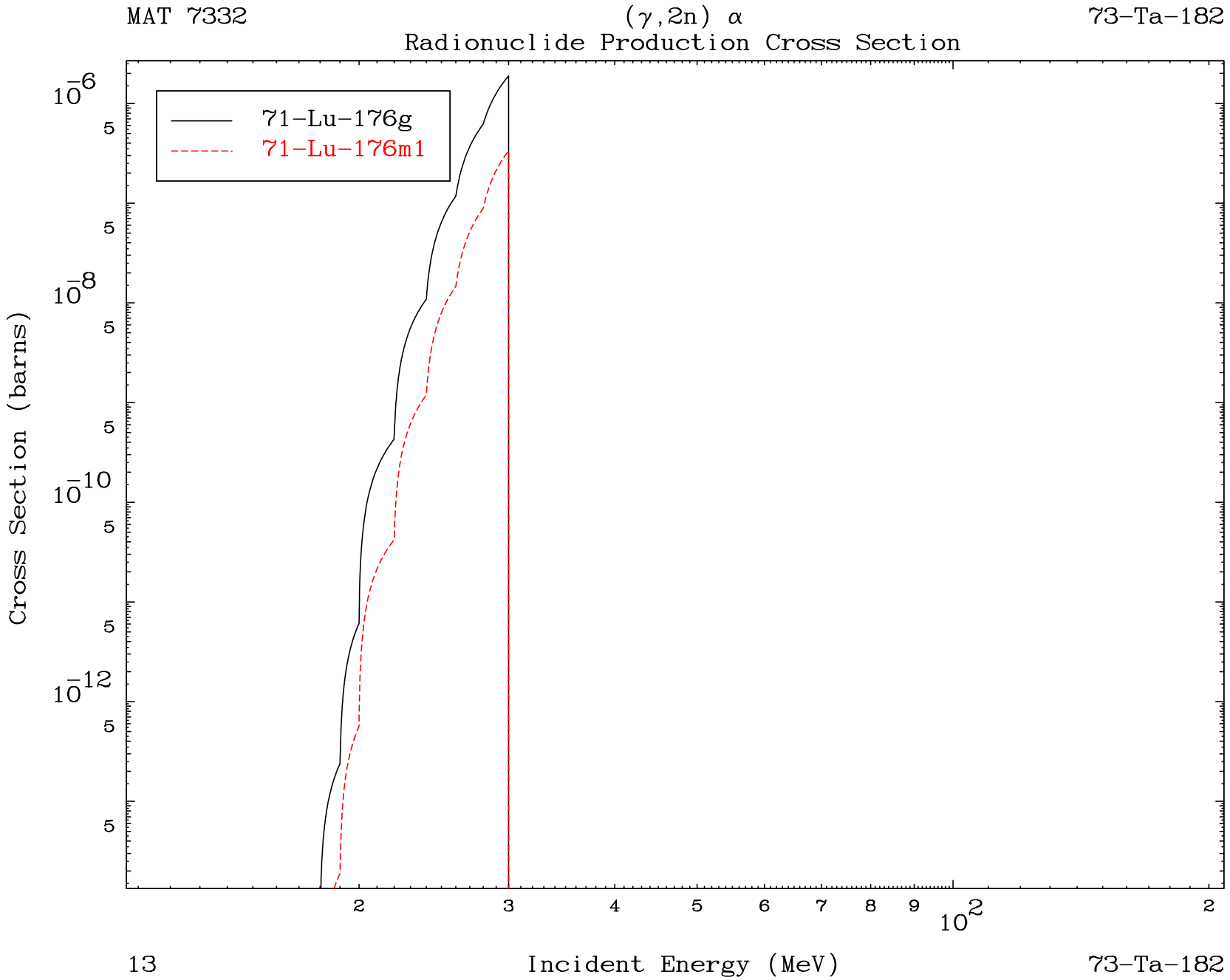

MAT 7332
(γ,α) Levels
73-Ta-182
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
8

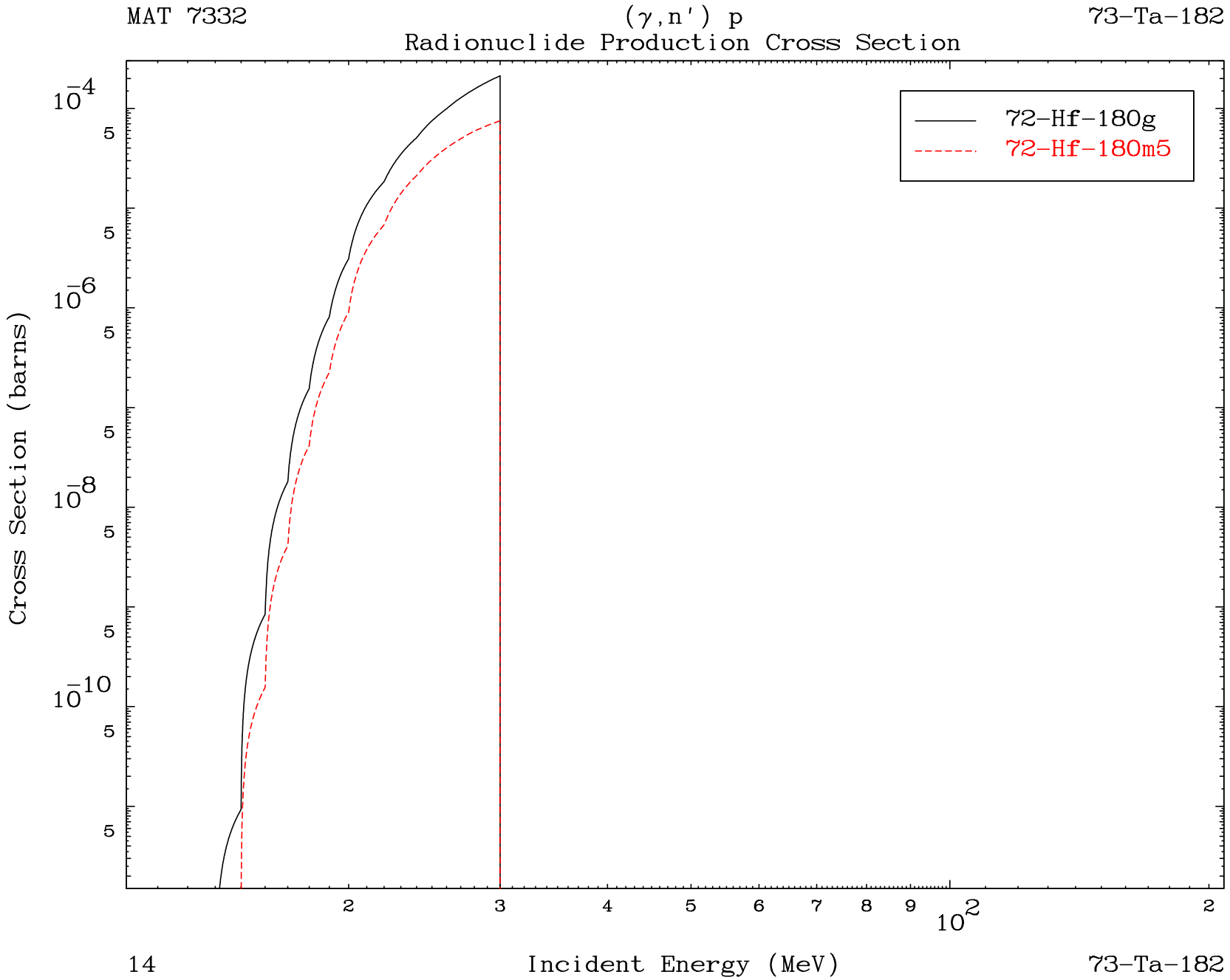

MAT 7332
(γ,2n) d
73-Ta-182
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178m10
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3
4
6
7
8
9
10^2
2
Incident Energy (MeV)
9
73-Ta-182

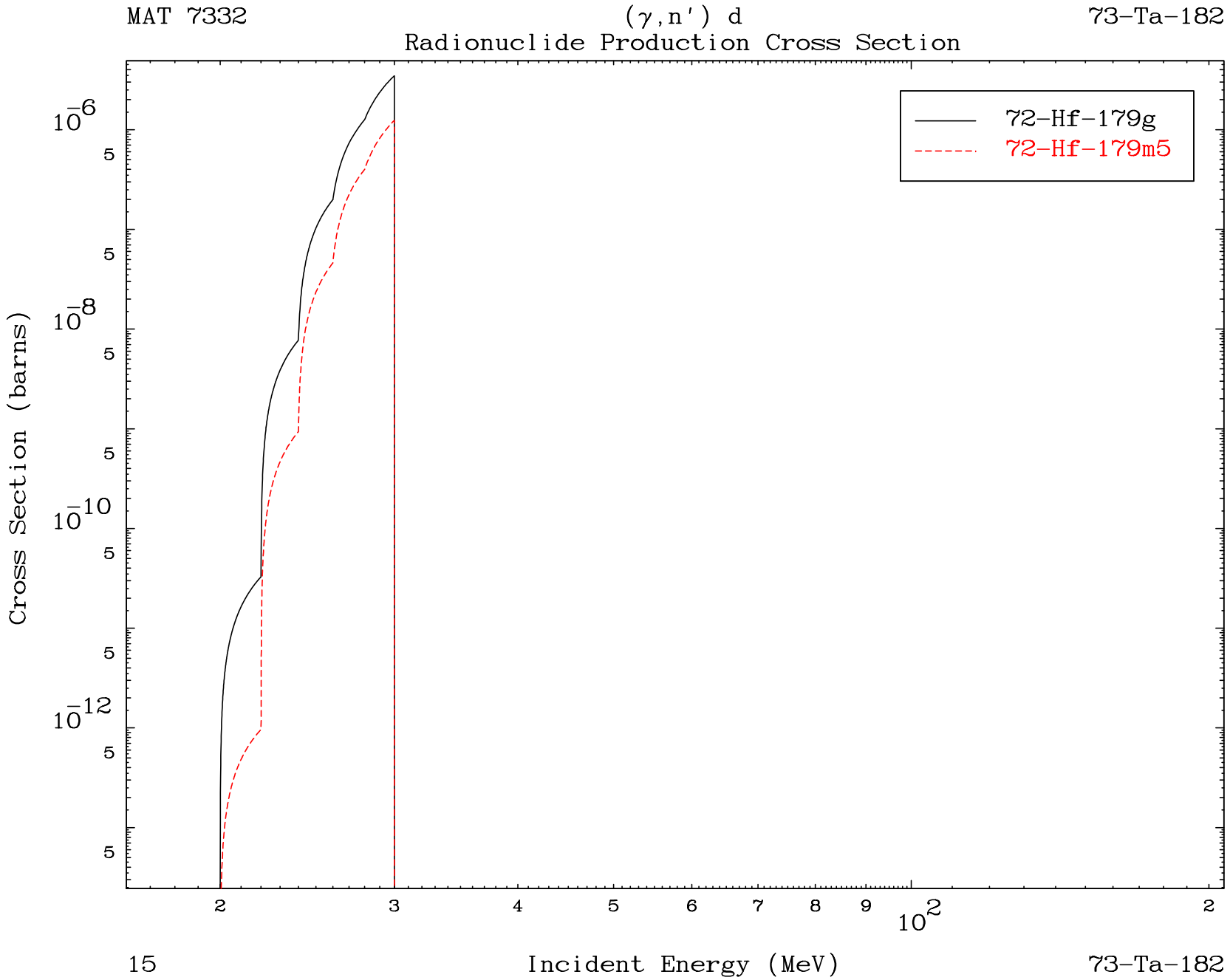

MAT 7332
(γ,2n)
73-Ta-182
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
Incident Energy (MeV)
10
73-Ta-182

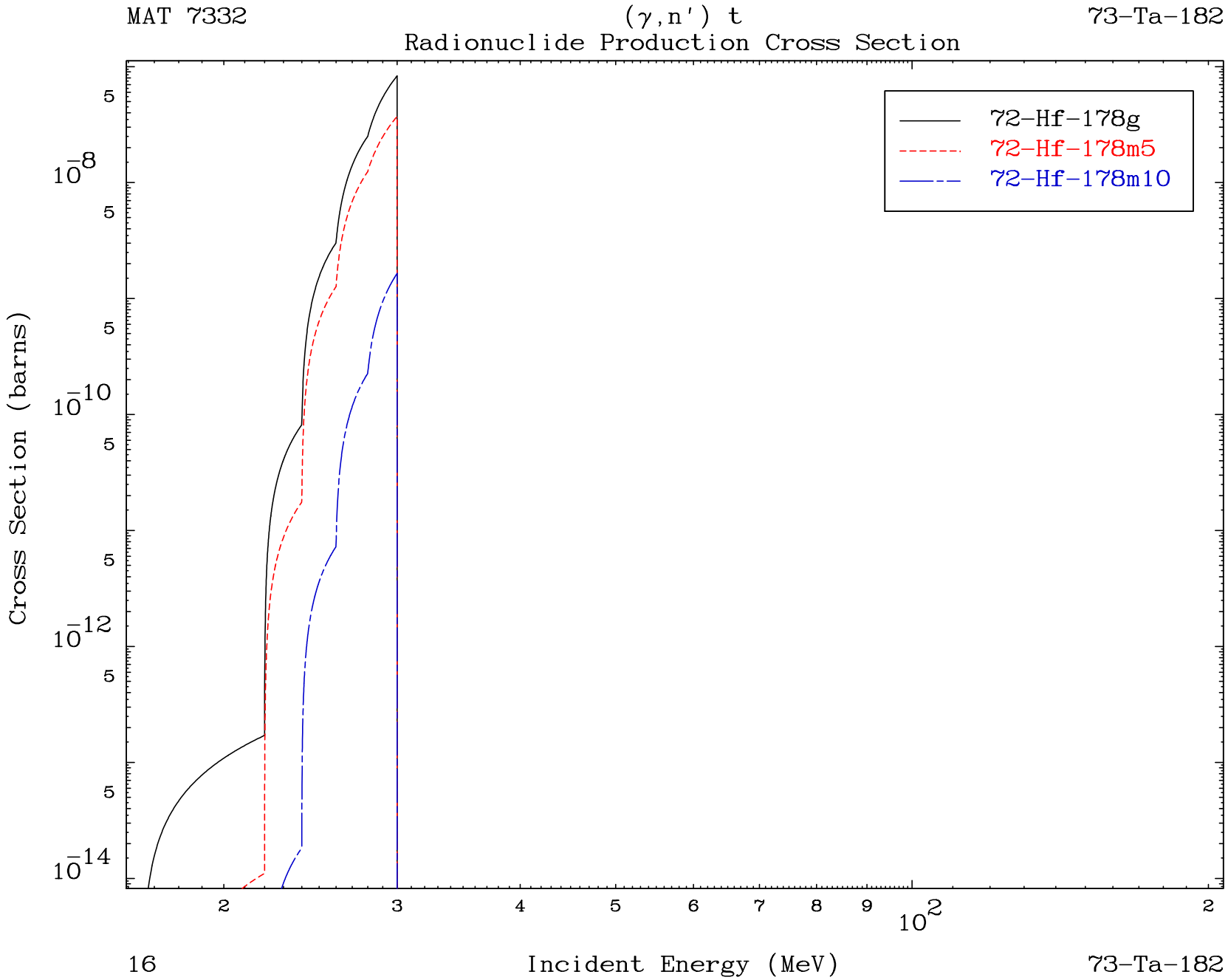

MAT 7332
Photon Fission
73-Ta-182
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
73-Ta-182

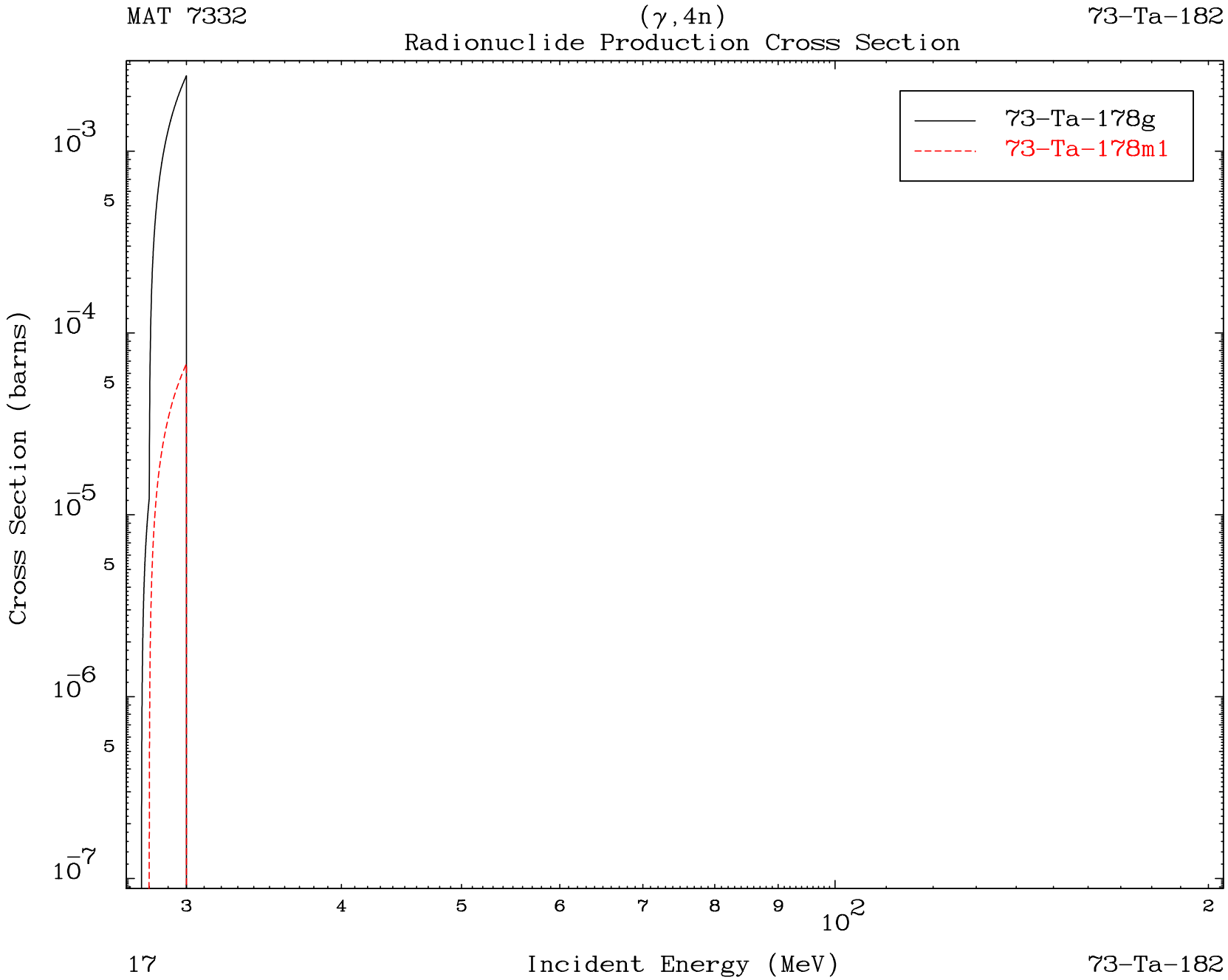

MAT 7332
(γ,n') α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m10
Cross Section (barns)
Incident Energy (MeV)
12
73-Ta-182

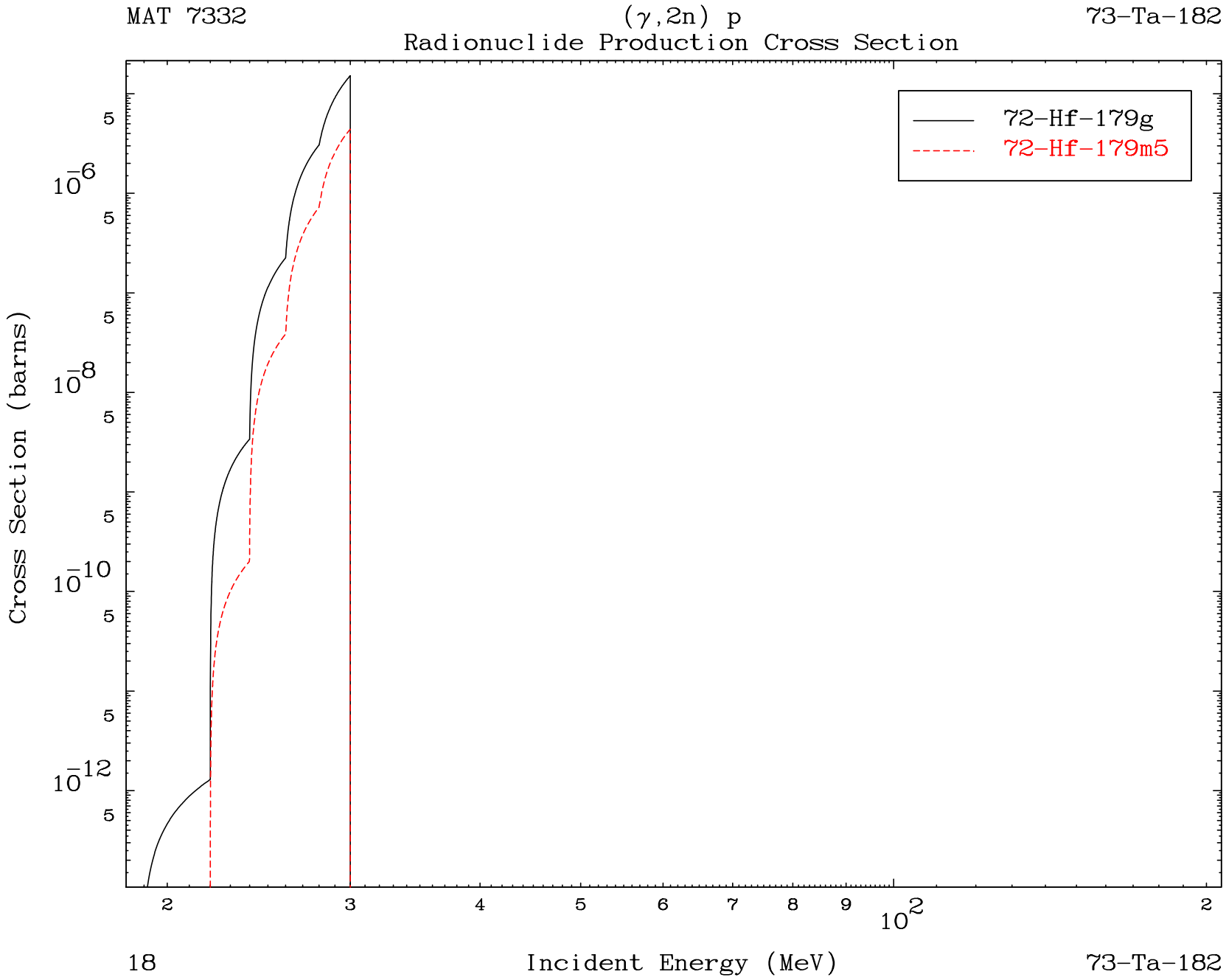

MAT 7332
(γ,2n) α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
73-Ta-182

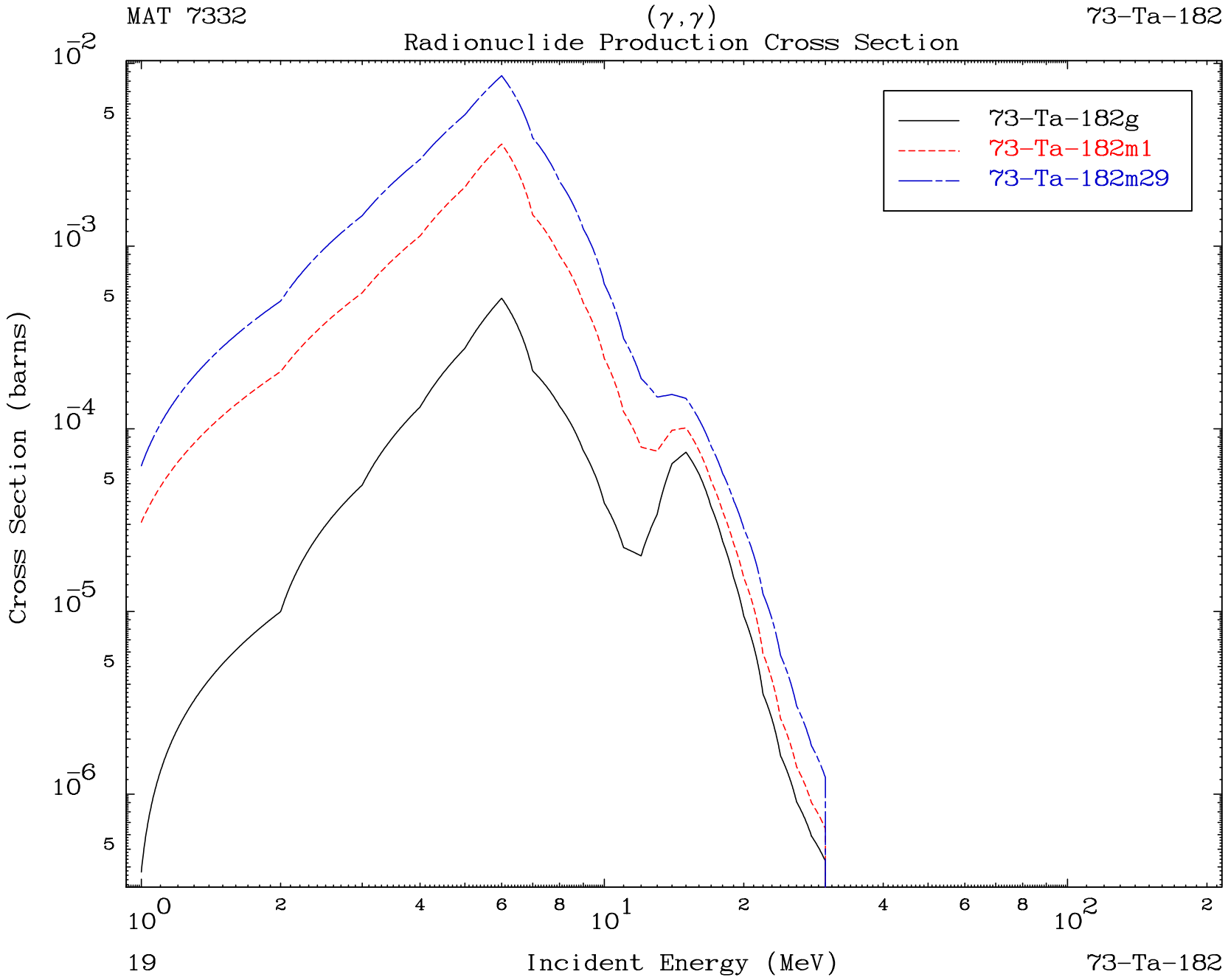

MAT 7332
(γ,n') p
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m5
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
73-Ta-182

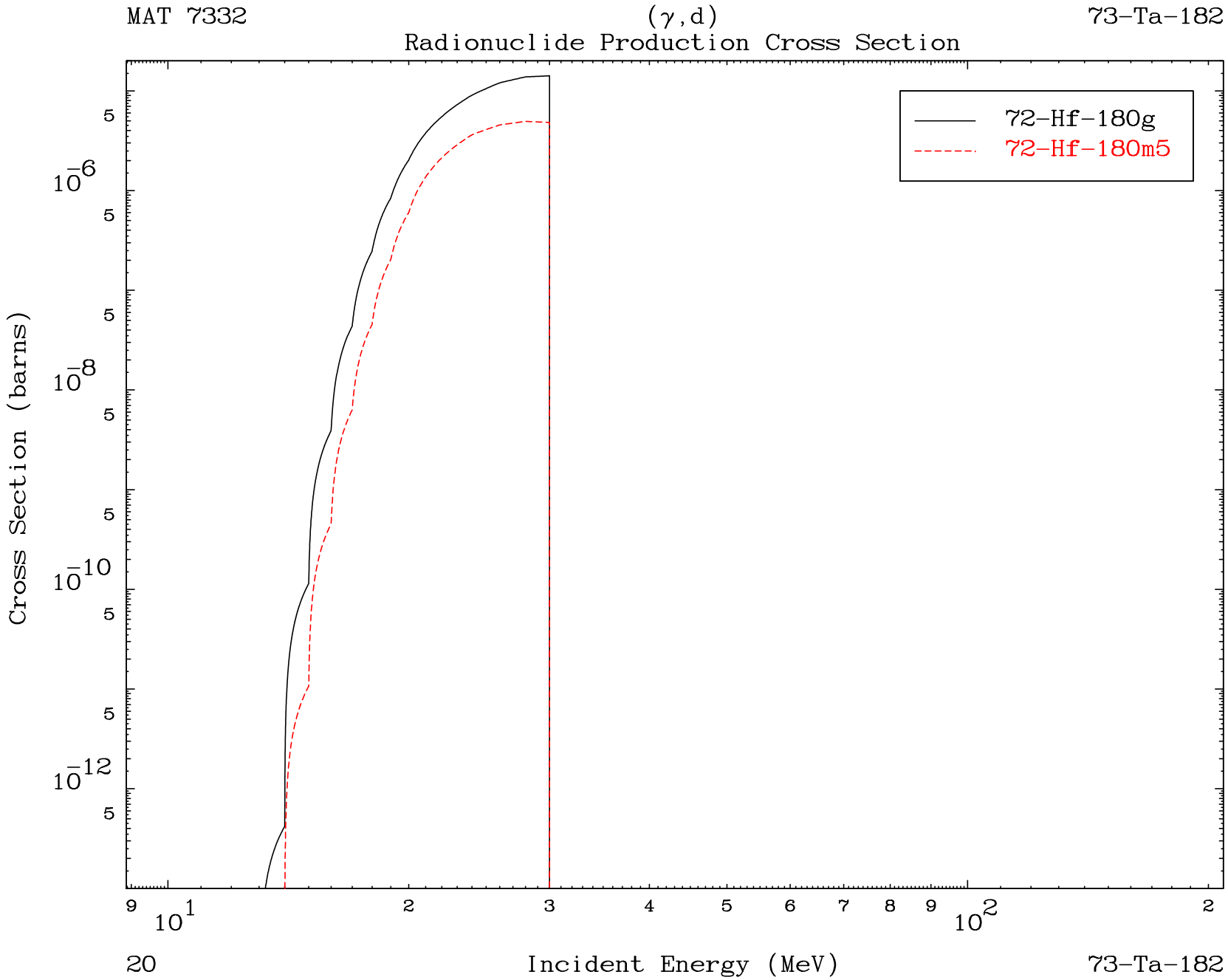

MAT 7332
(γ,n') d
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
73-Ta-182

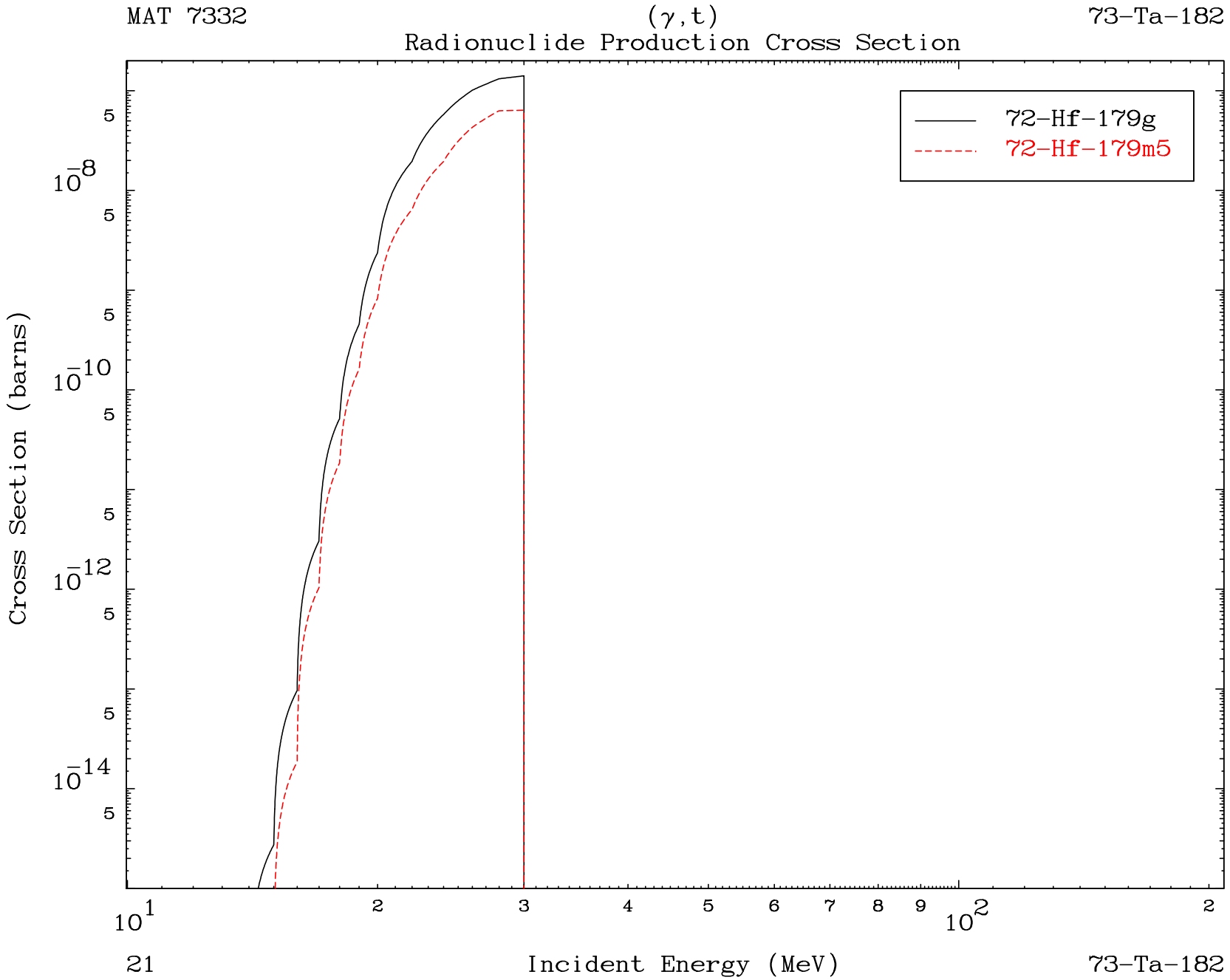

MAT 7332
(γ,n') t
73-Ta-182
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178m10
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
16
73-Ta-182

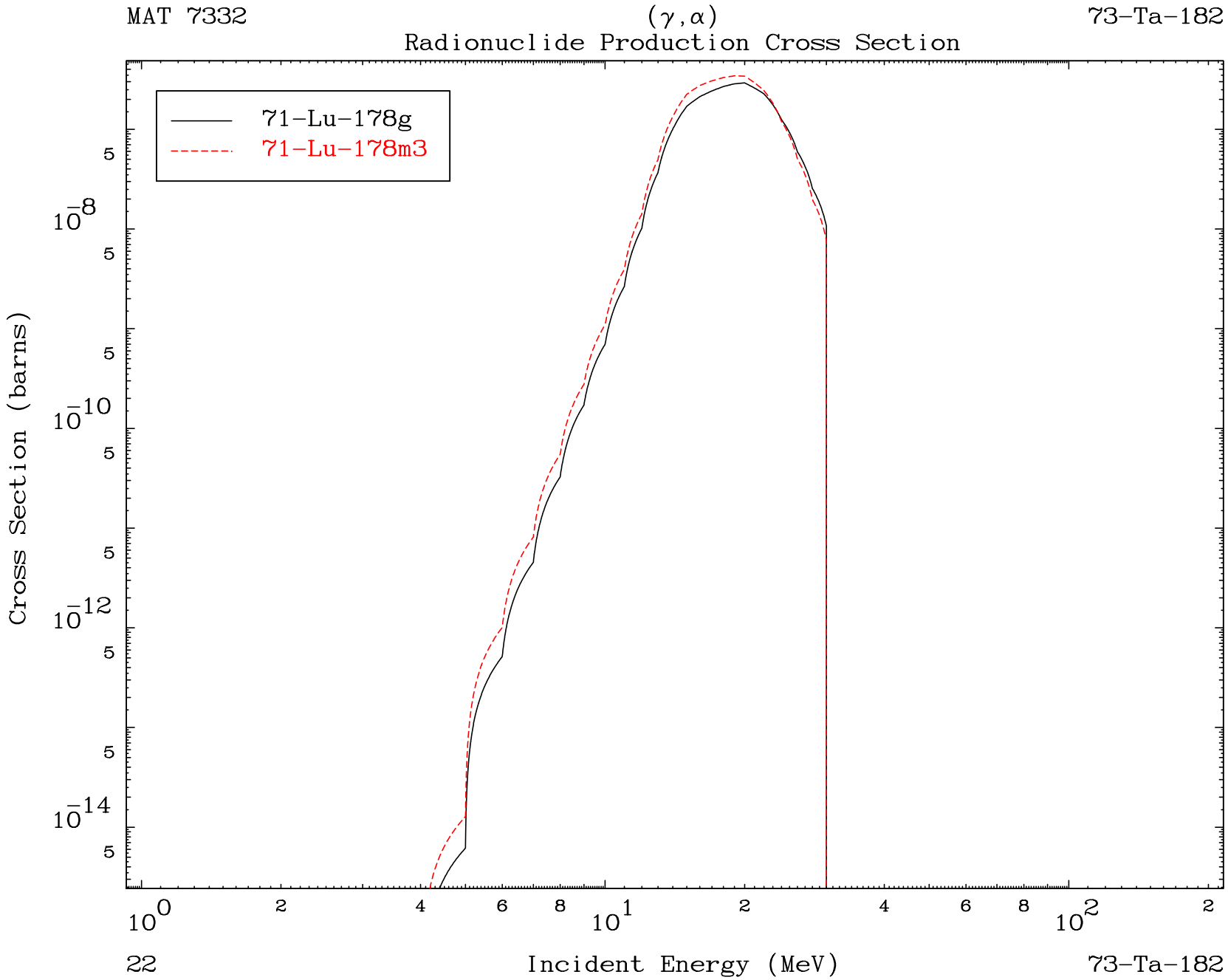

MAT 7332
(γ,4n)
73-Ta-182
Radionuclide Production Cross Section
73-Ta-178g
73-Ta-178m1
Cross Section (barns)
10-3
5
10-4
5
10-5
5
10-6
5
10-7
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
73-Ta-182


MAT 7332
(γ,2n) p
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
18
73-Ta-182


MAT 7332
(γ,γ)
73-Ta-182
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
Incident Energy (MeV)
19
73-Ta-182


MAT 7332
(γ,d)
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m5
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
20
Incident Energy (MeV)
73-Ta-182


MAT 7332
(γ,t)
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
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)
21
73-Ta-182


MAT 7332
(γ,α)
73-Ta-182
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
Incident Energy (MeV)
22
73-Ta-182