

Program EVALPLOT
(Version 2017-1)

by

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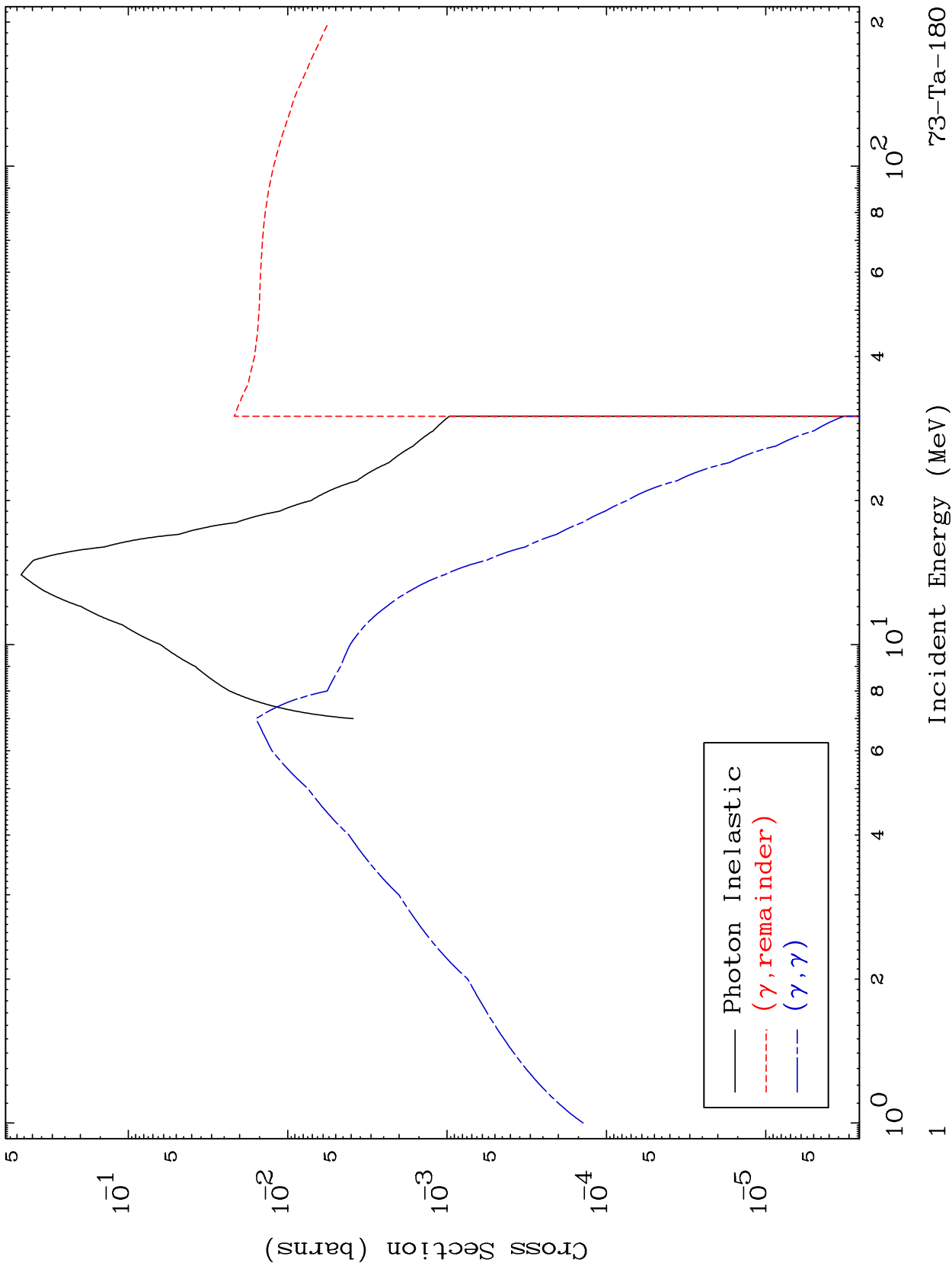
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7325

Photon Major
0 Kelvin Cross Sections

73-Ta-180



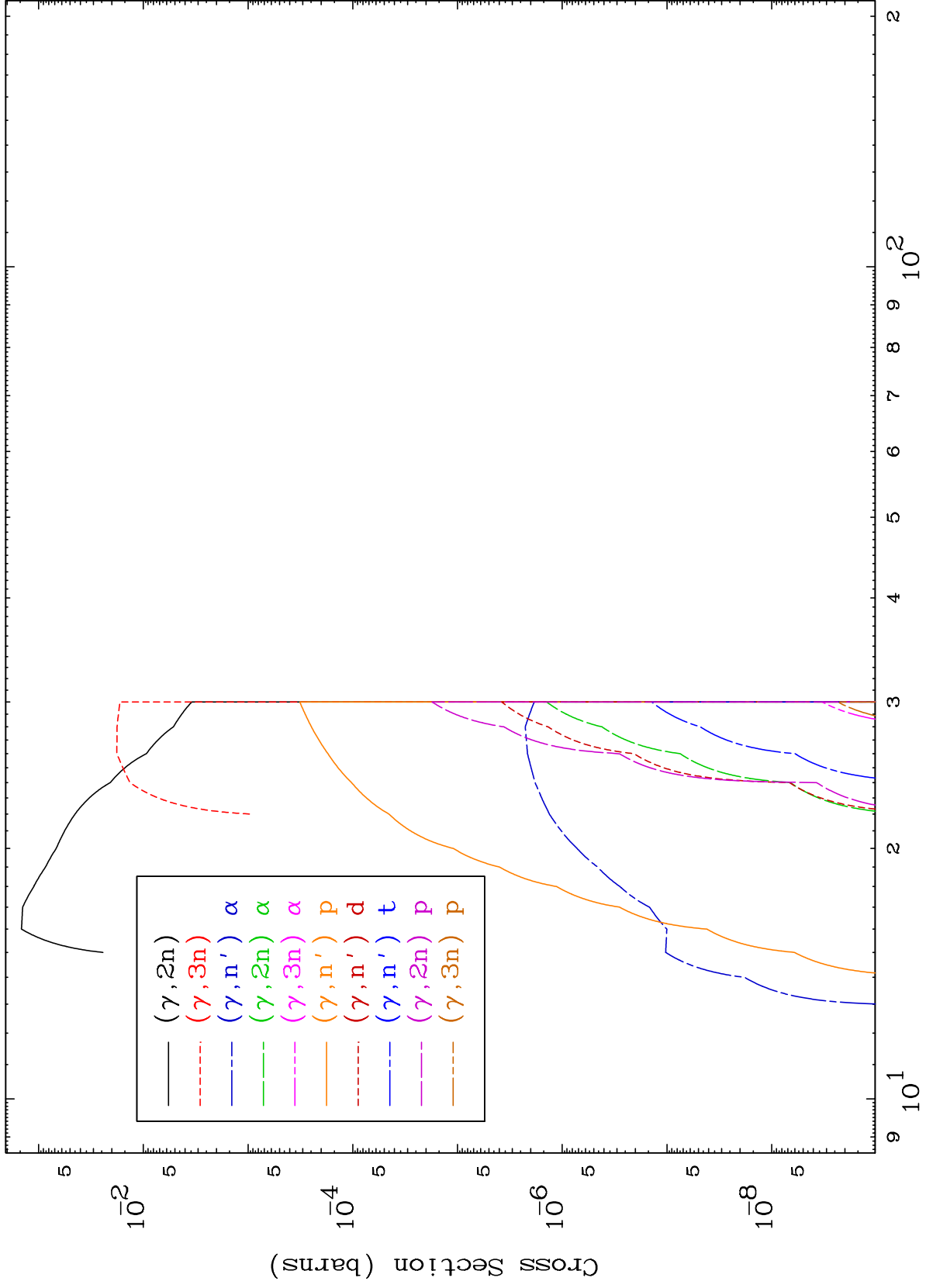
73-Ta-180

Incident Energy (MeV)

MAT 7325

Photon Neutron Production
0 Kelvin Cross Sections

73-Ta-180



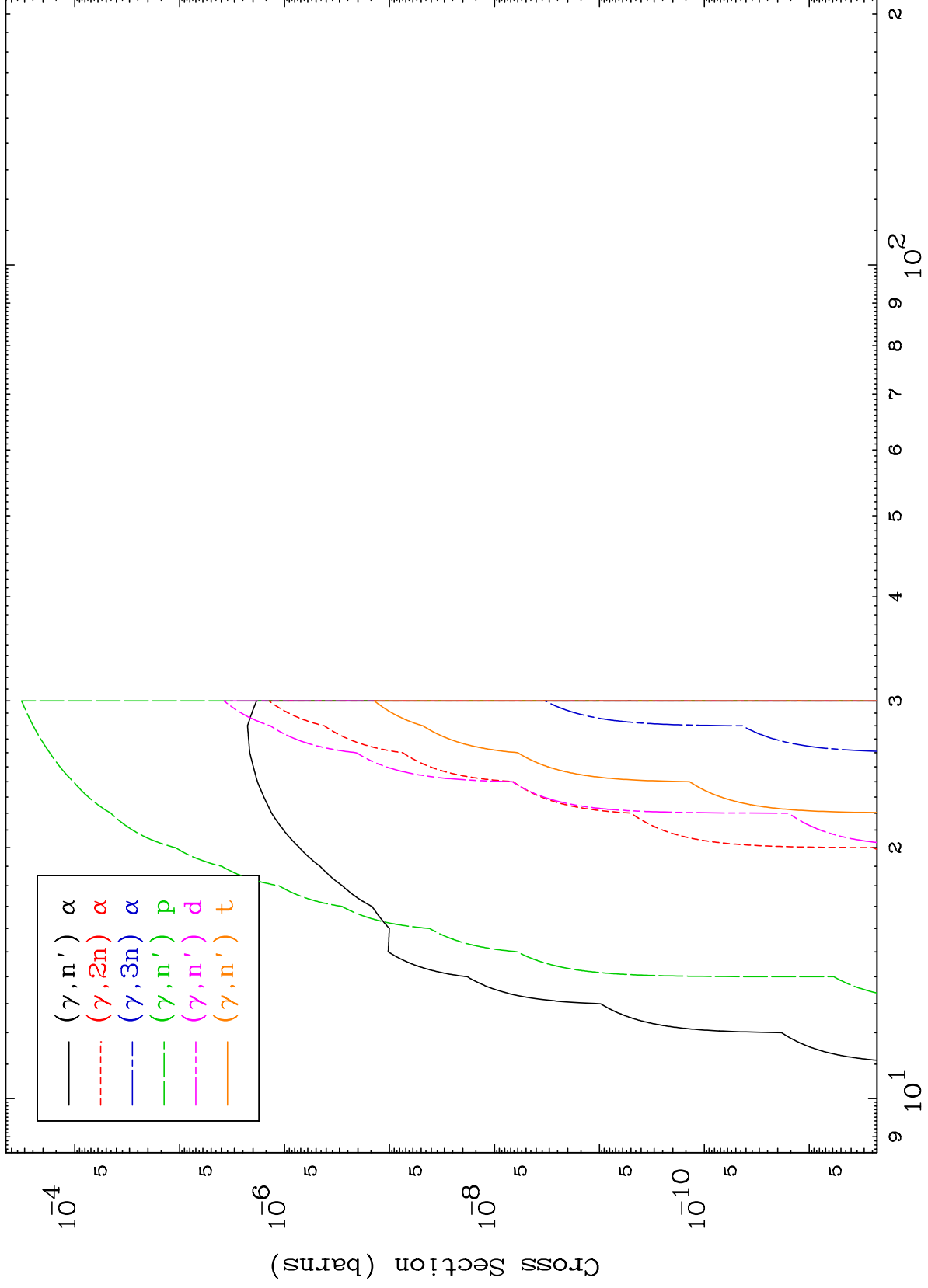
Incident Energy (MeV)

73-Ta-180

MAT 7325

Photon Charged Particle
0 Kelvin Cross Sections

73-Ta-180



73-Ta-180

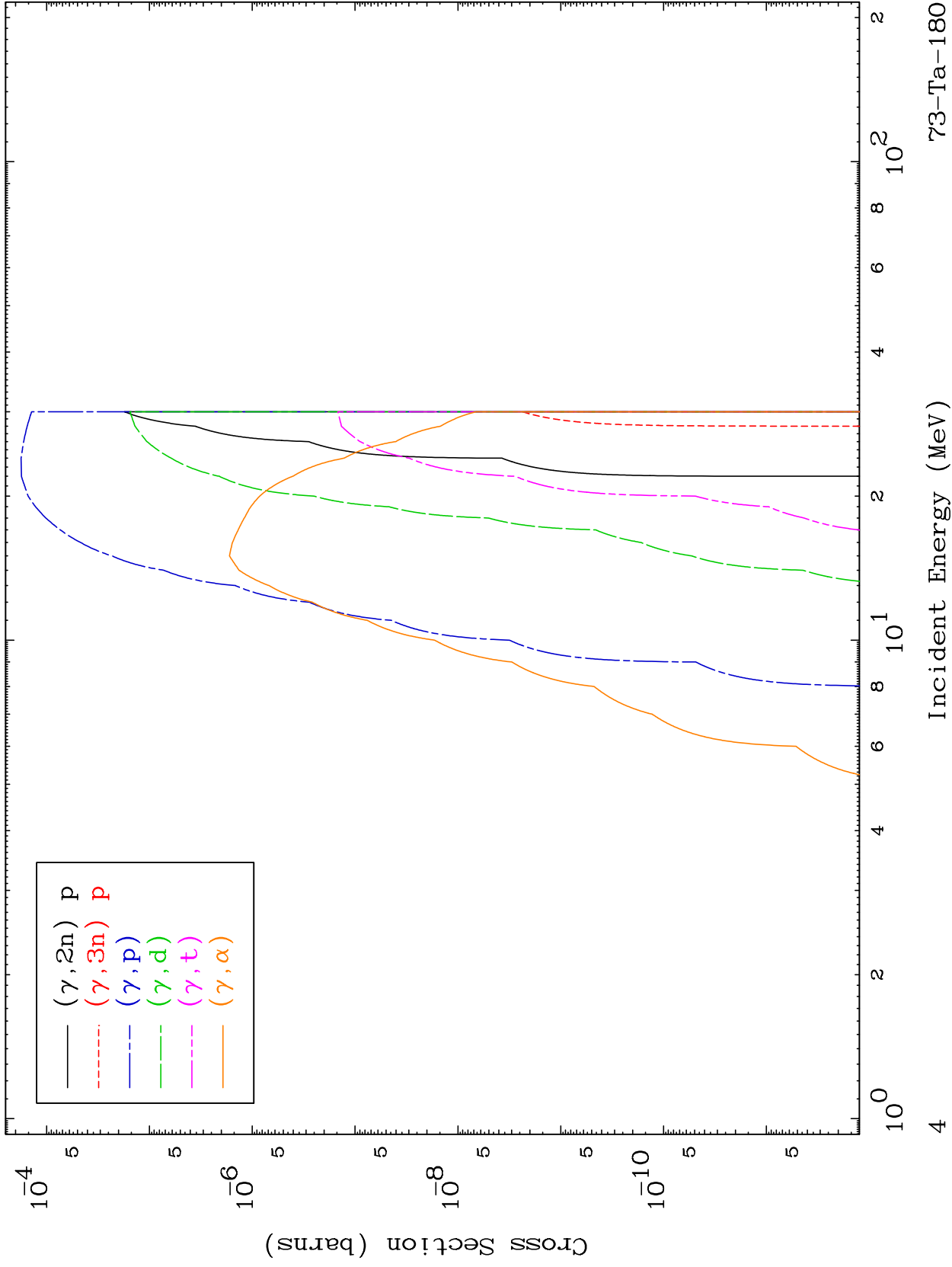
Incident Energy (MeV)

3

MAT 7325

Photon Charged Particle
0 Kelvin Cross Sections

73-Ta-180



73-Ta-180

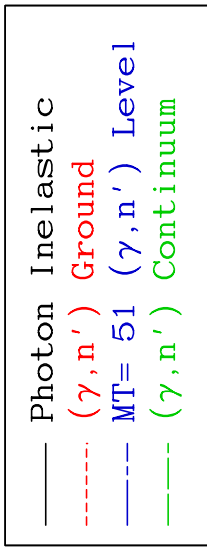
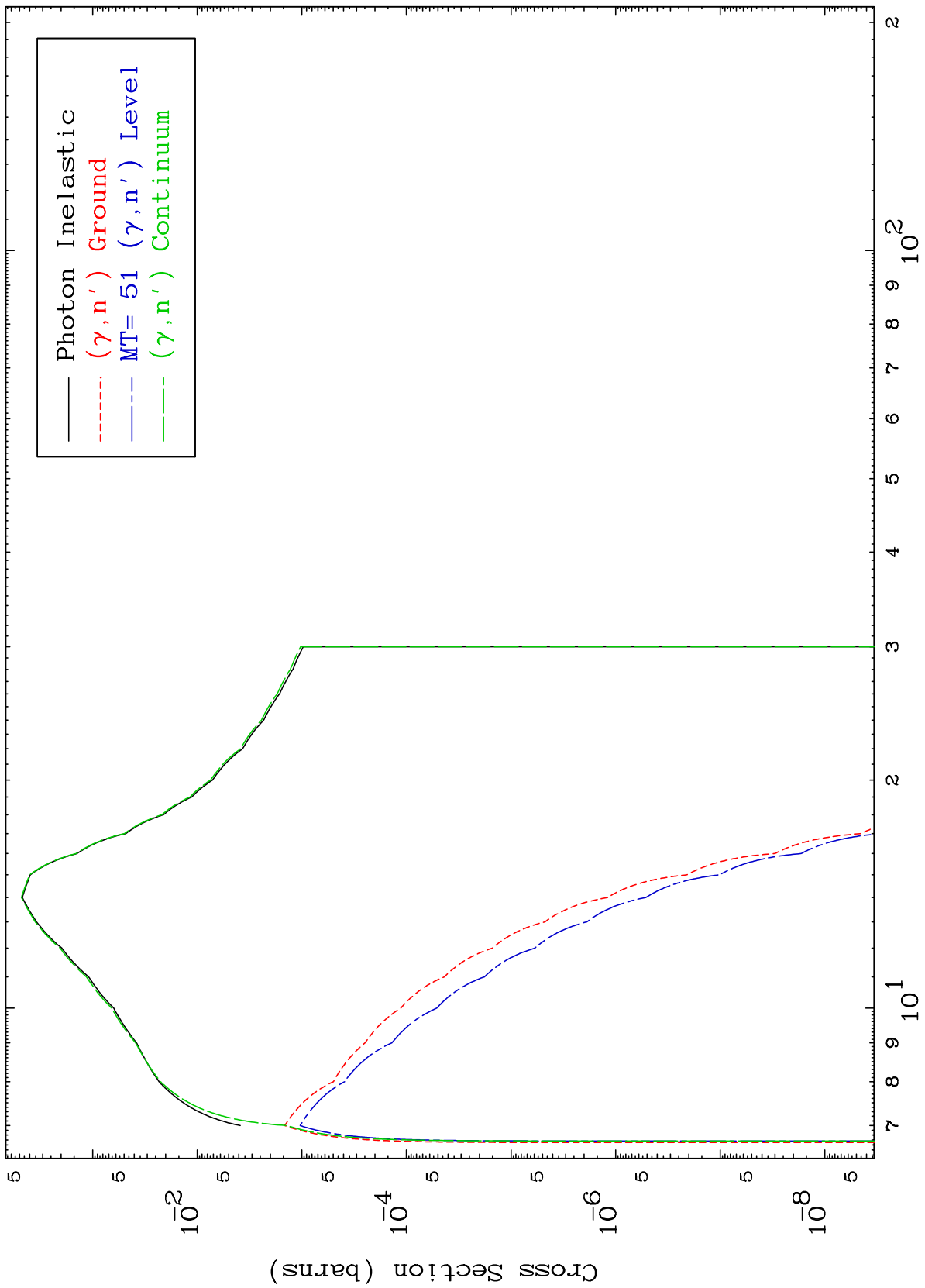
Incident Energy (MeV)

MAT 7325

(γ, n') Level

73-Ta-180

0 Kelvin Cross Sections



5

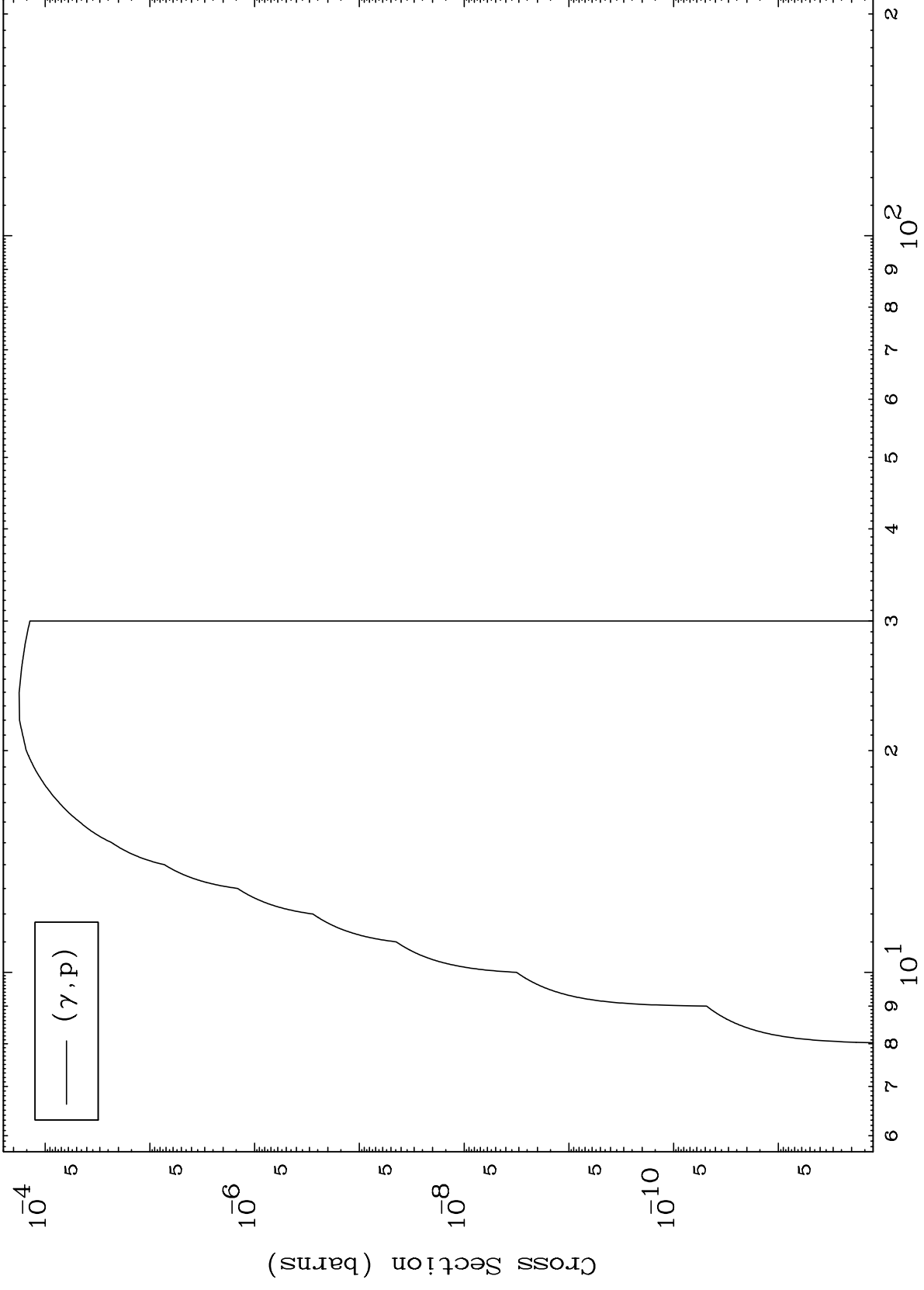
Incident Energy (MeV)

73-Ta-180

MAT 7325

(γ, p) Levels
0 Kelvin Cross Sections

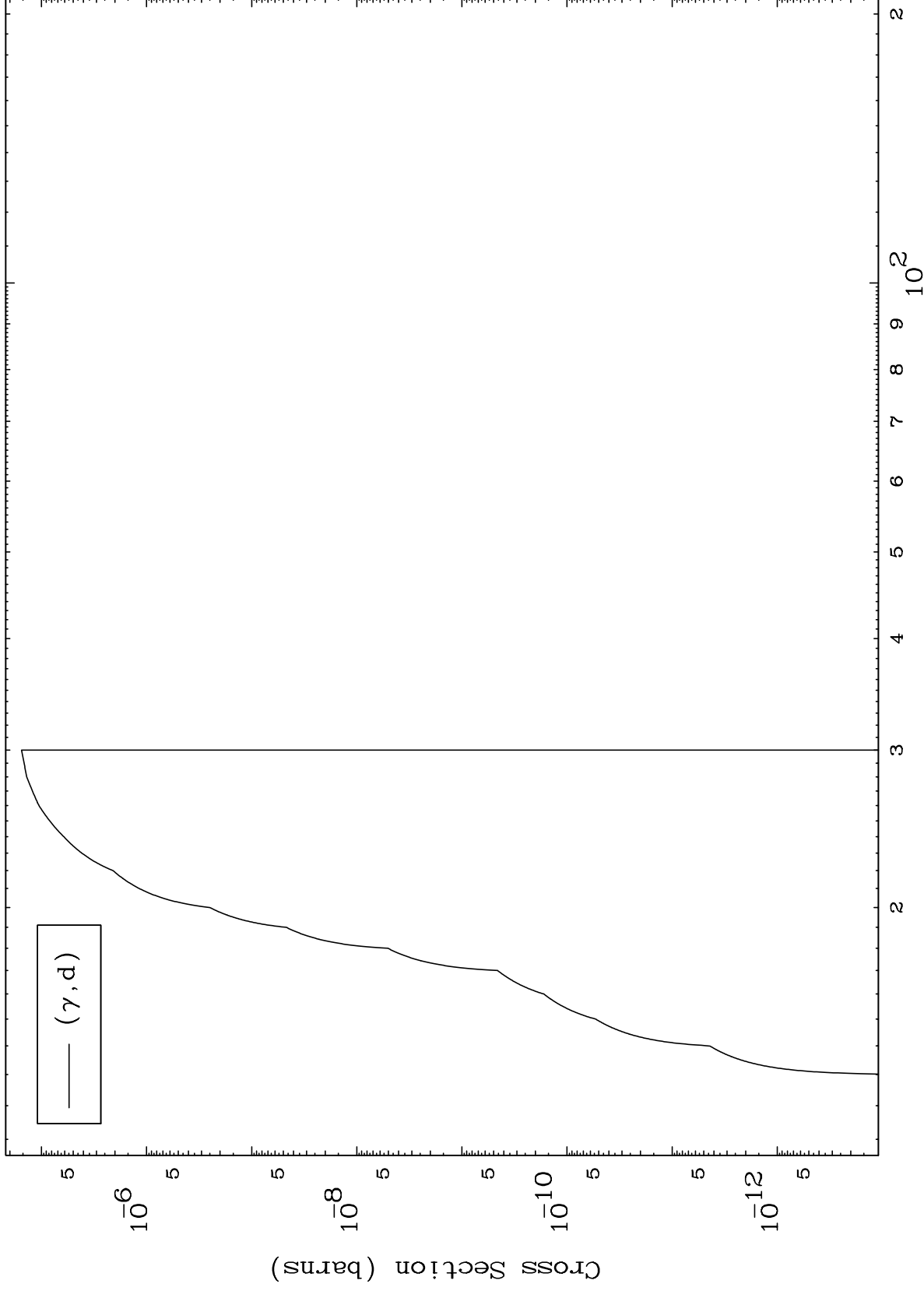
$^{73}\text{Ta-180}$



6

Incident Energy (MeV)

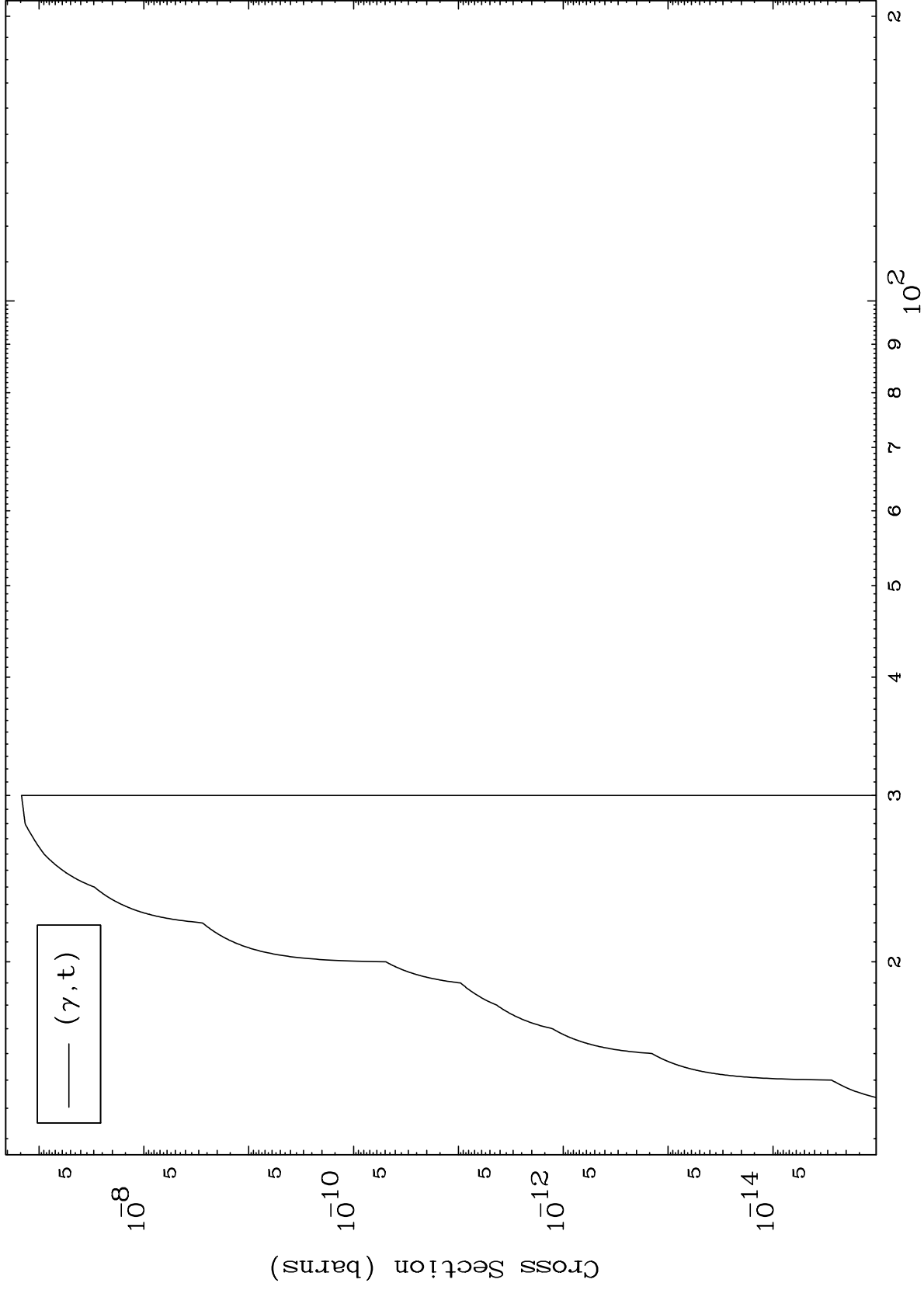
$^{73}\text{Ta-180}$



MAT 7325

(γ, t) Levels
0 Kelvin Cross Sections

73-Ta-180



8

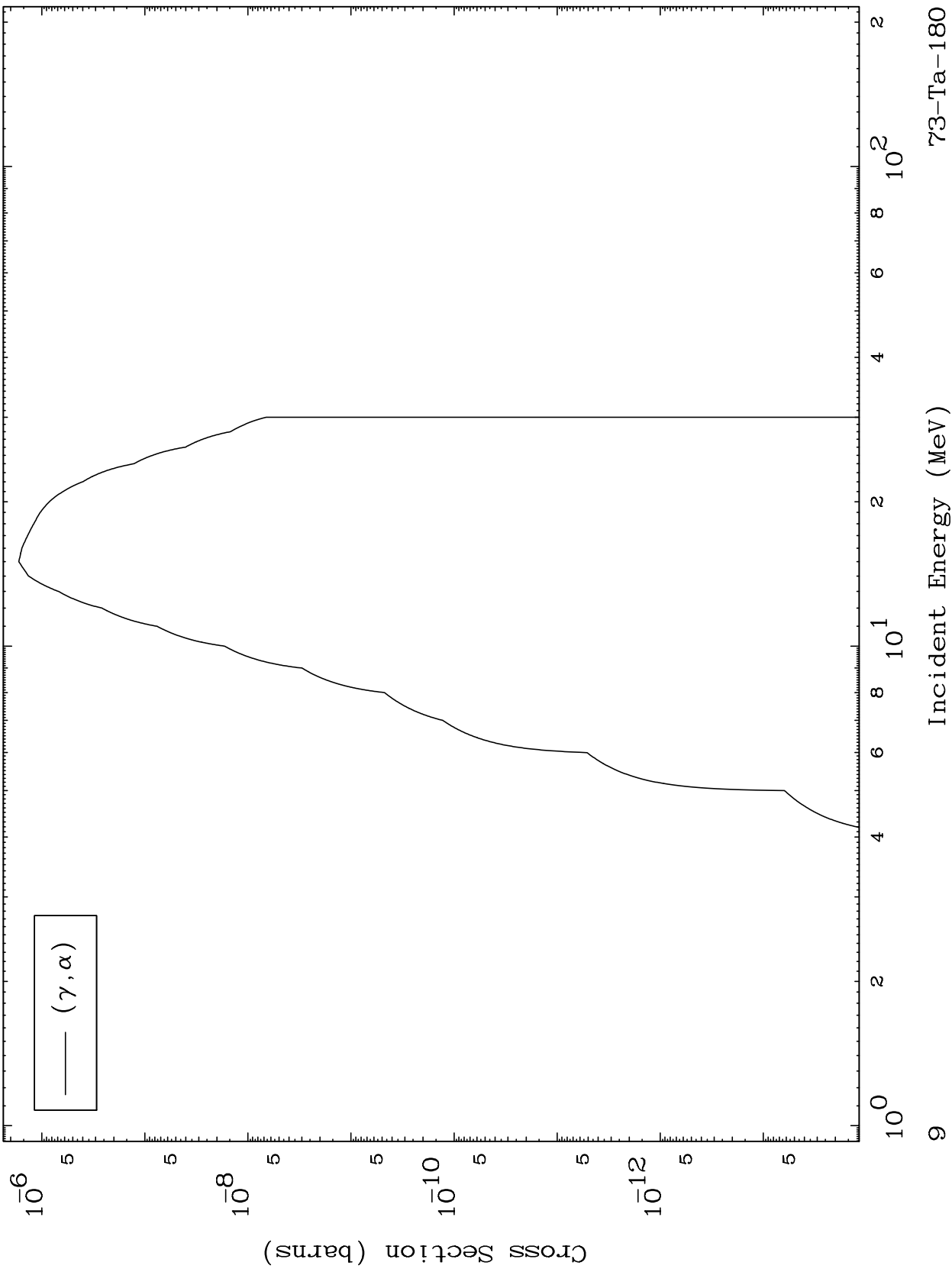
Incident Energy (MeV)

73-Ta-180

MAT 7325

73-Ta-180

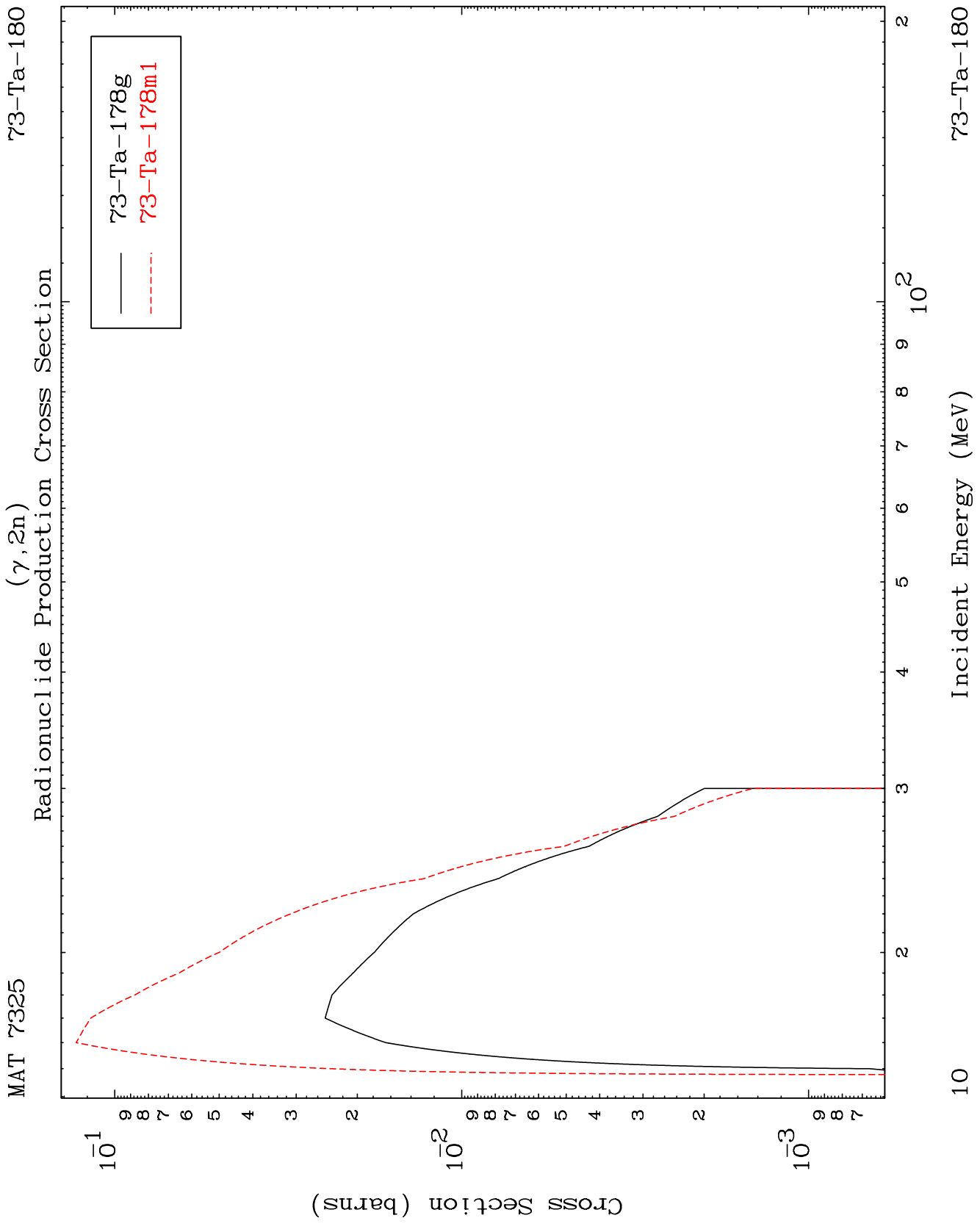
(γ, α) Levels
0 Kelvin Cross Sections



73-Ta-180

Incident Energy (MeV)

9



10

Incident Energy (MeV)

10²

2

10⁻¹

9

8

7

6

5

4

3

2

1

Cross Section (barns)

10⁻²

9

8

7

6

5

4

3

2

1

10⁻³

9

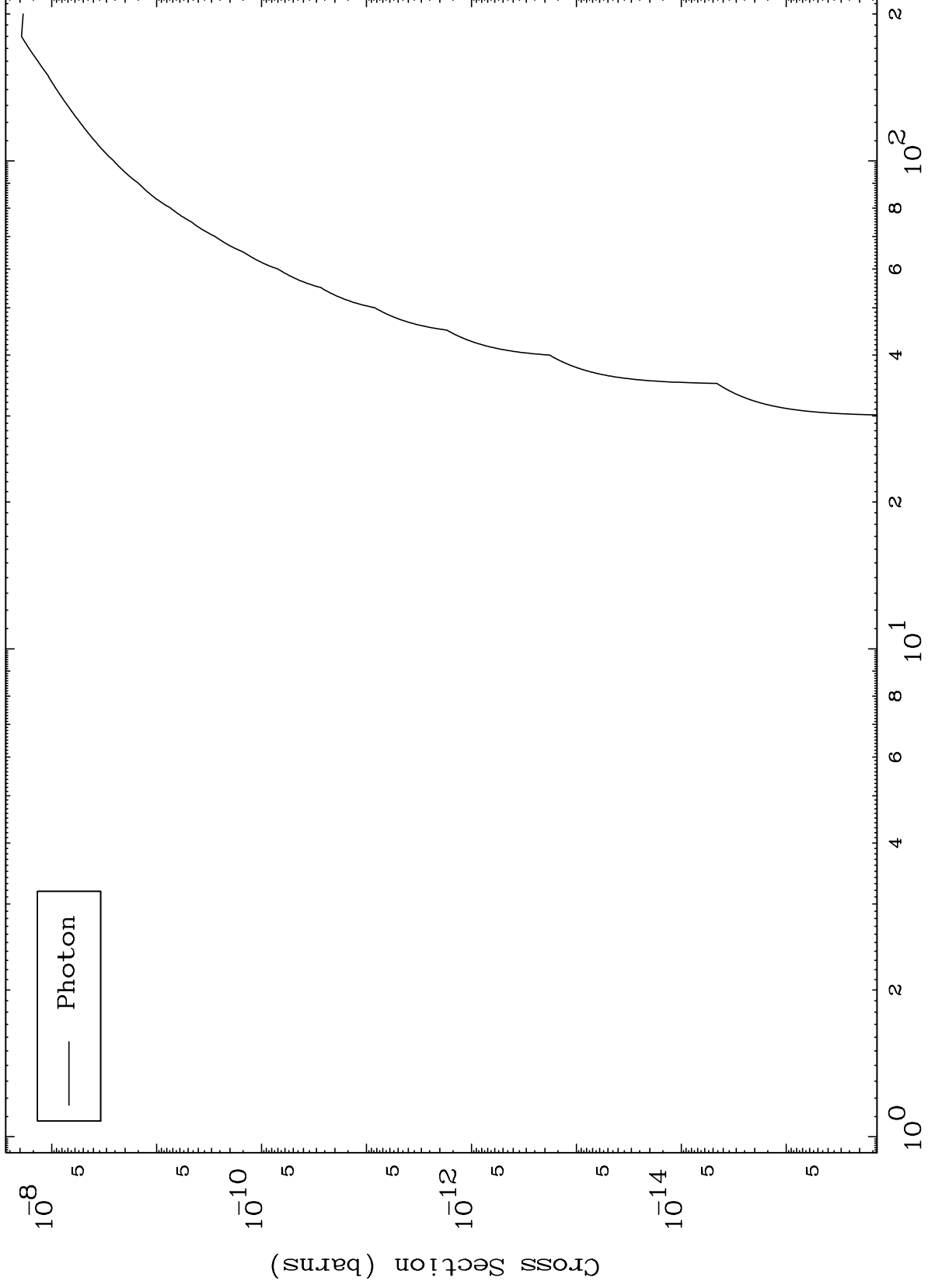
8

7

MAT 7325

Photon Fission
Radionuclide Production Cross Section

⁷³Ta-180



11

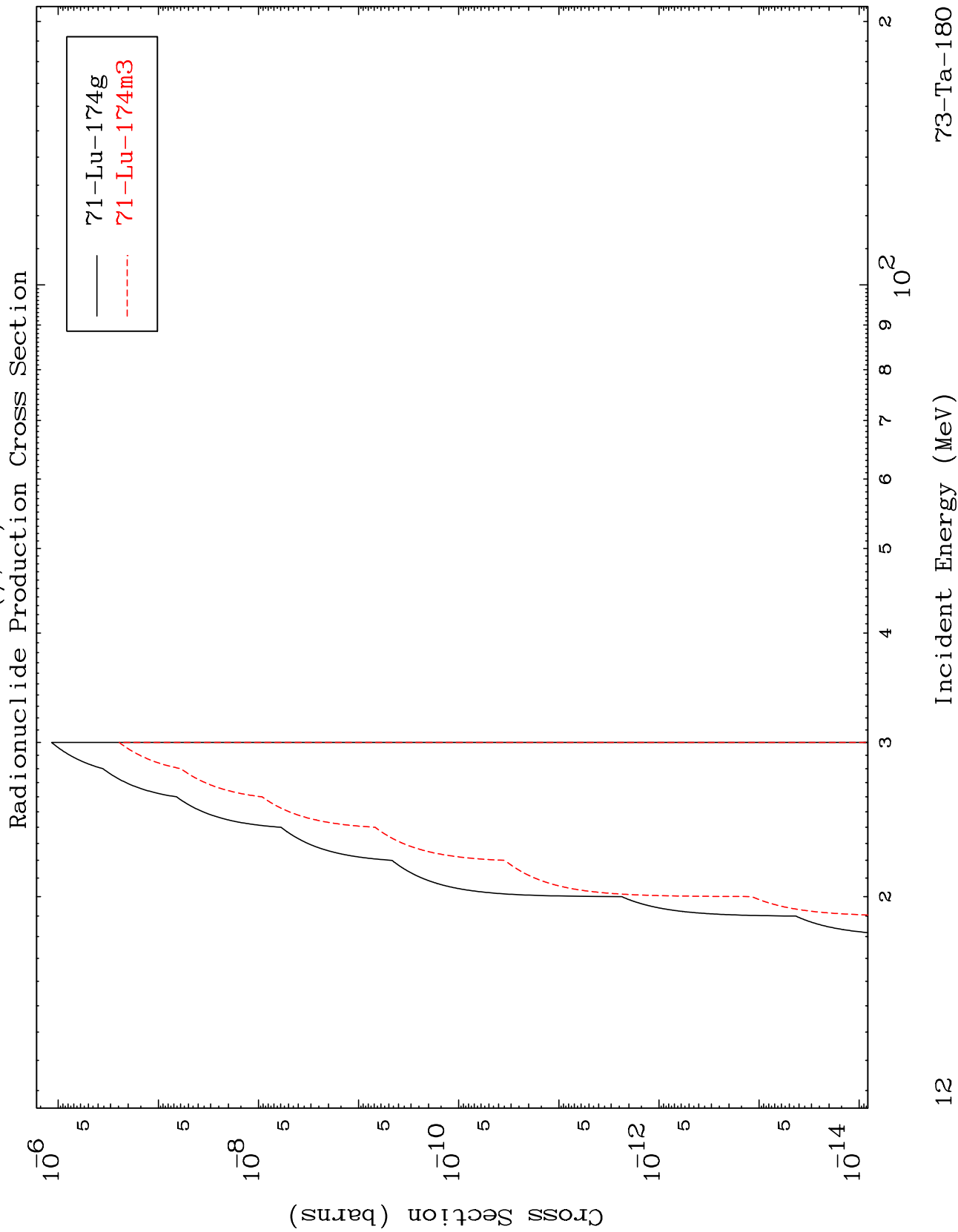
Incident Energy (MeV)

⁷³Ta-180

MAT 7325

$(\gamma, 2n) \alpha$

$^{73}\text{Ta-180}$



12

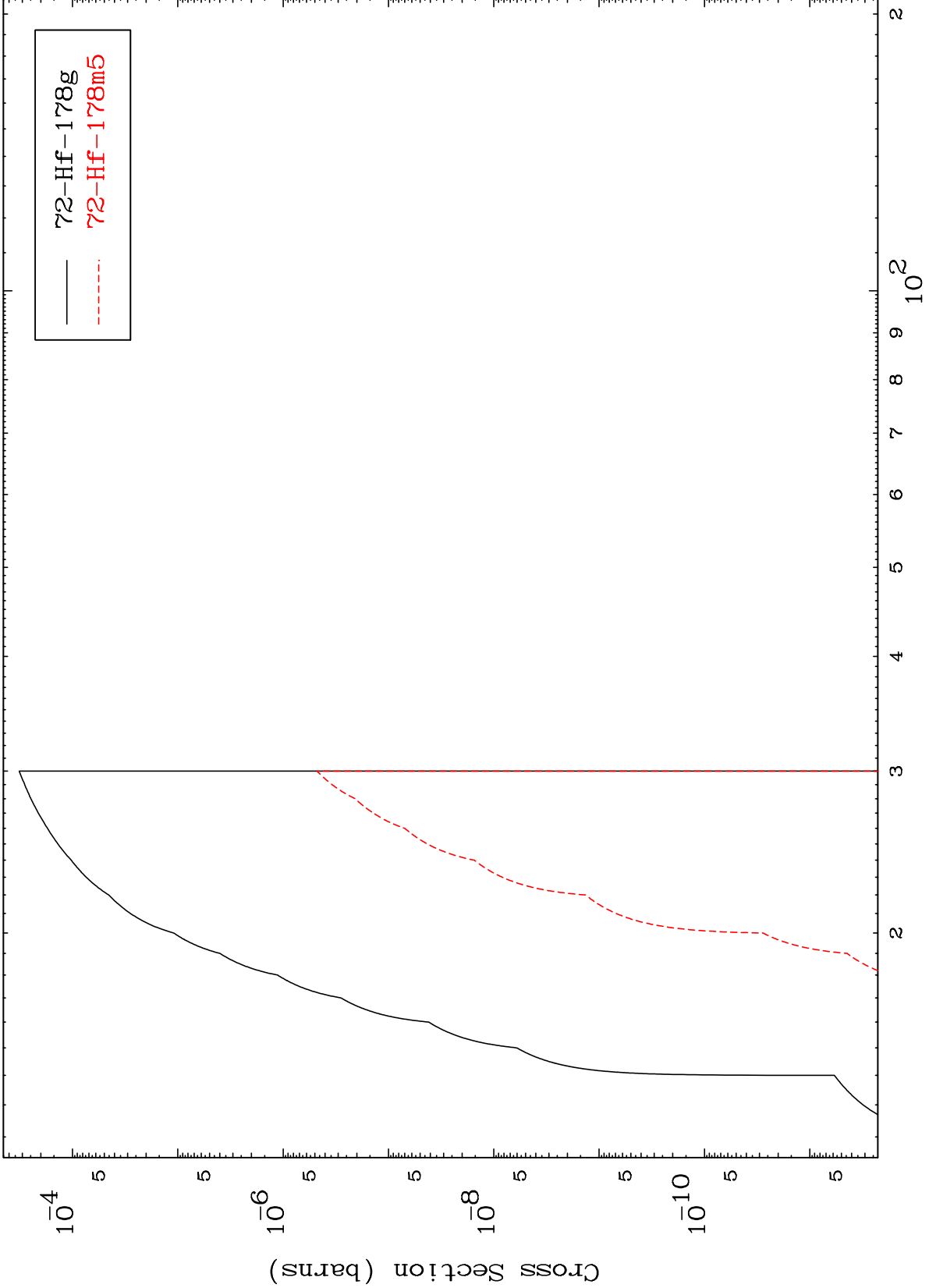
$^{73}\text{Ta-180}$

MAT 7325

(γ, n') p

⁷³Ta-180

Radionuclide Production Cross Section



13

Incident Energy (MeV)

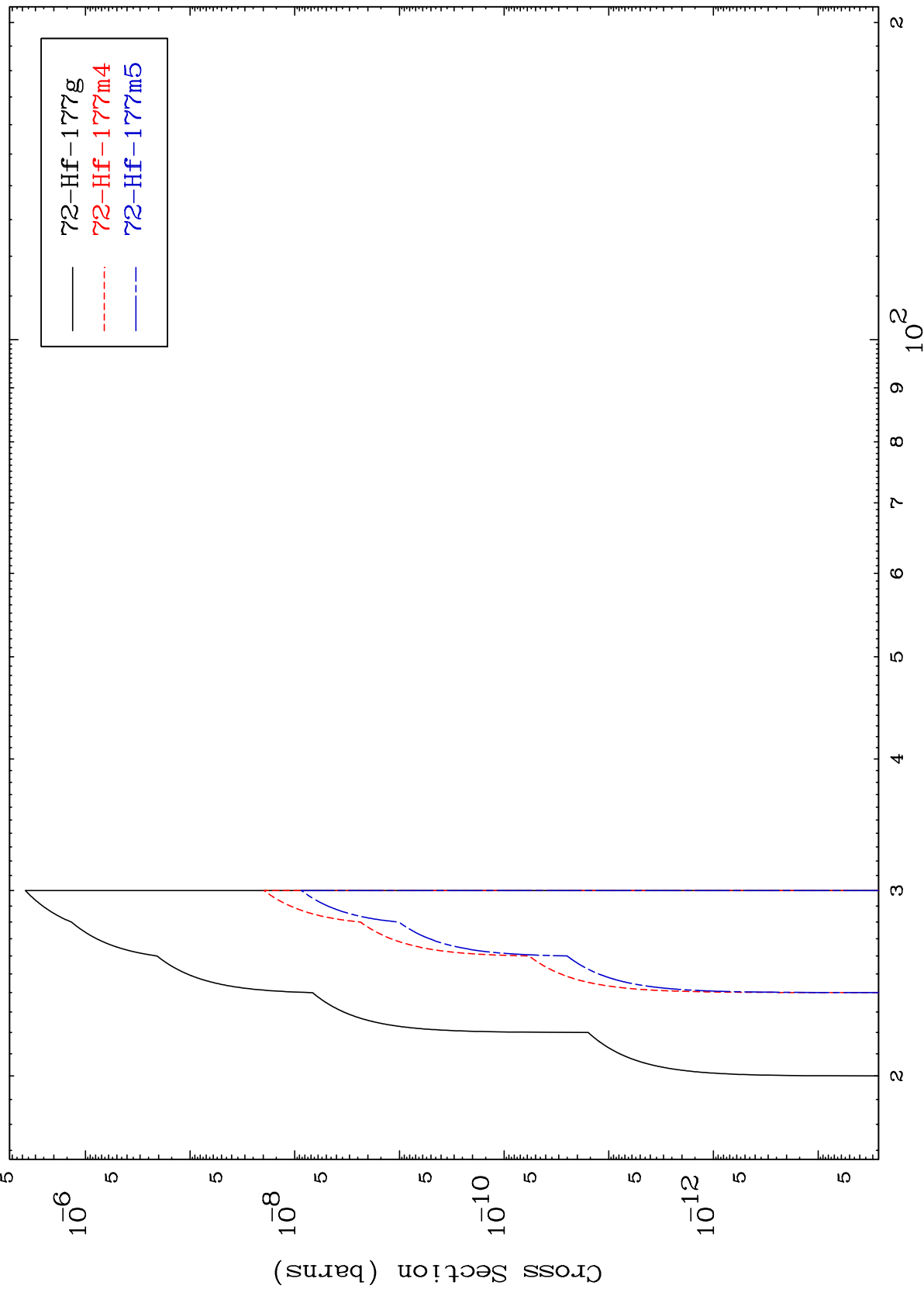
⁷³Ta-180

MAT 7325

(γ, n') d

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

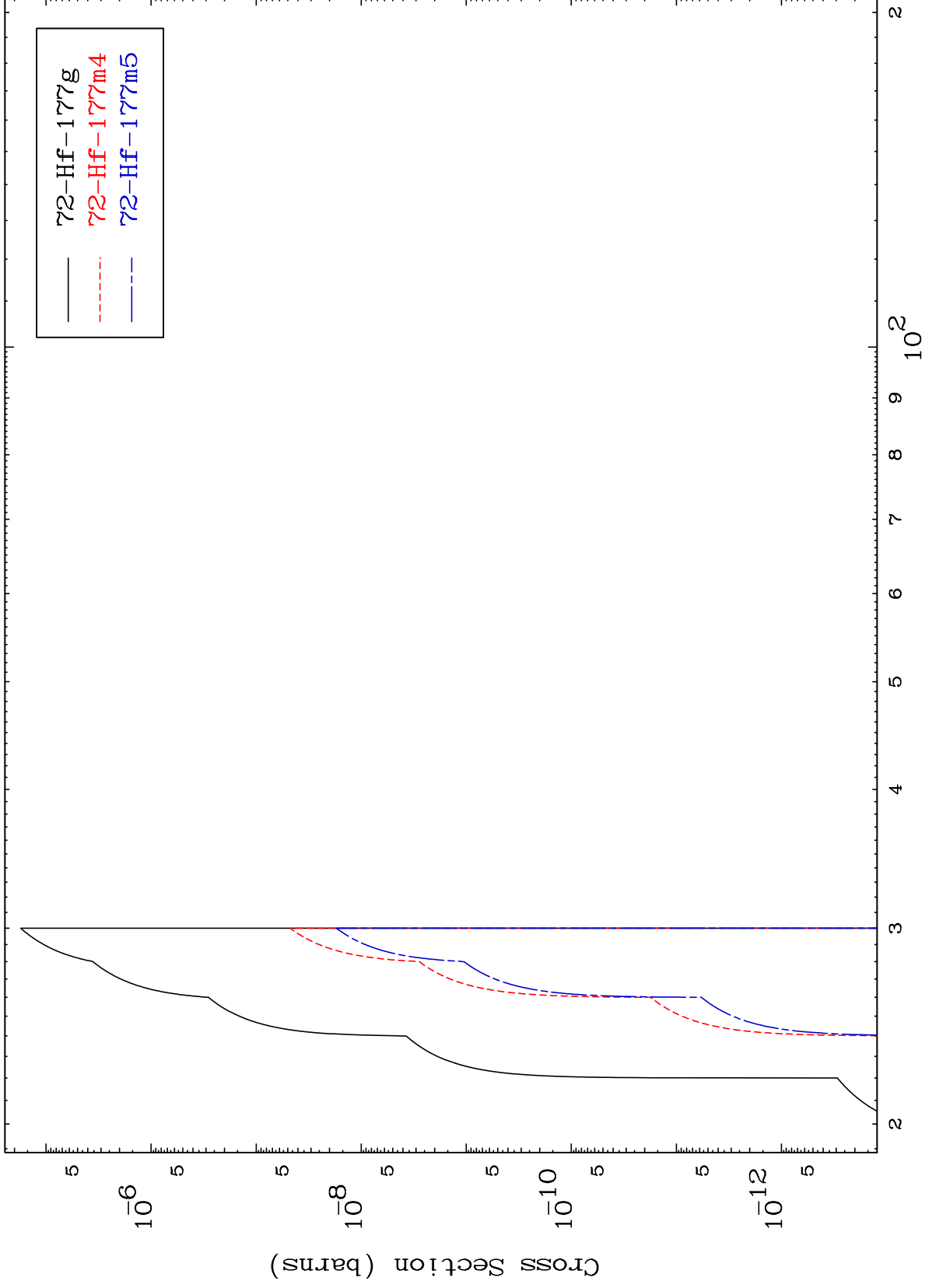
$^{73}\text{Ta-180}$

MAT 7325

$(\gamma, 2n)$ p

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section



15

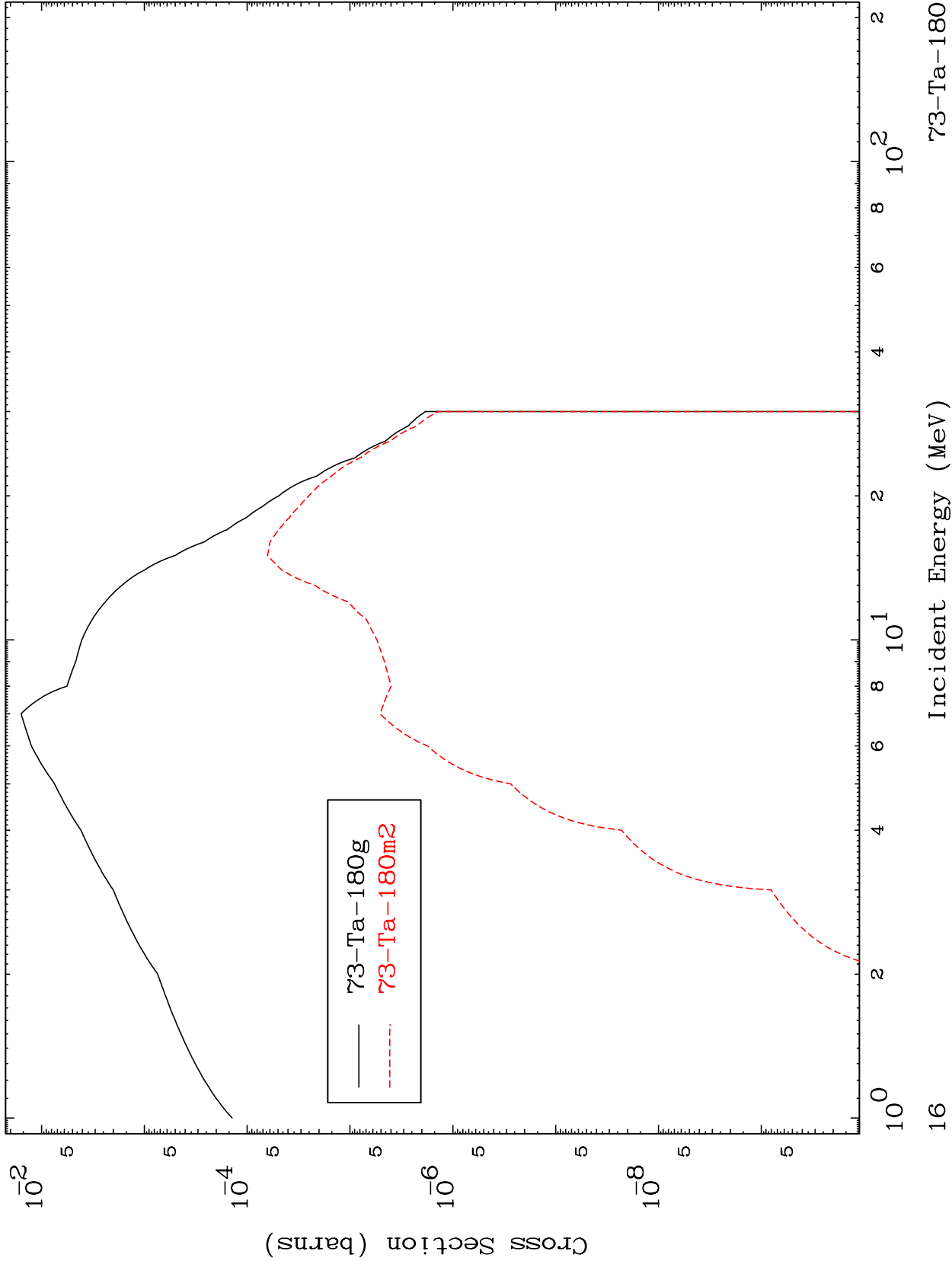
Incident Energy (MeV)

$^{73}\text{Ta-180}$

MAT 7325

⁷³Ta-180

(γ, γ)
Radionuclide Production Cross Section



⁷³Ta-180

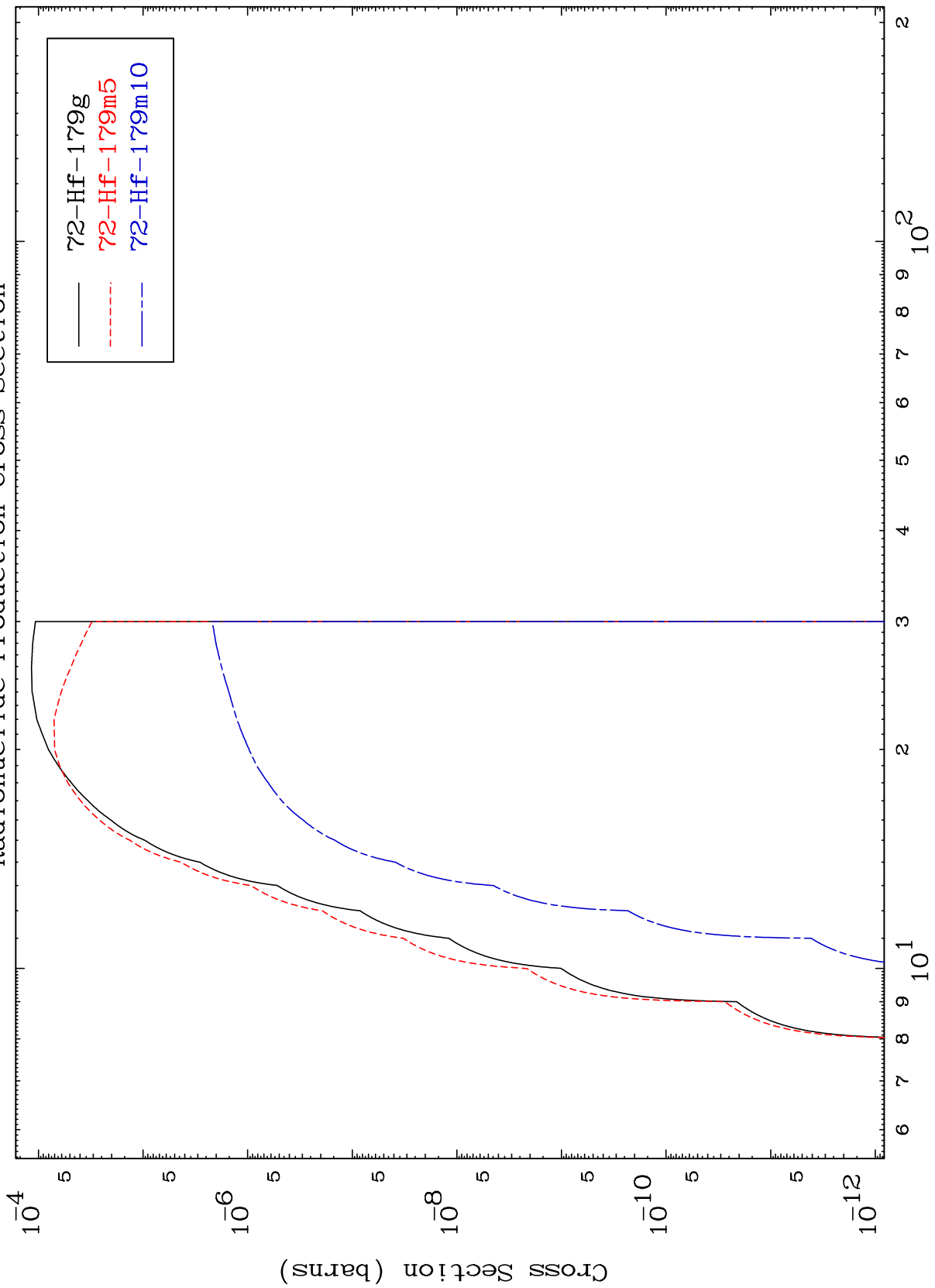
Incident Energy (MeV)

16

MAT 7325

73-Ta-180

Radionuclide Production Cross Section
(γ, p)



17

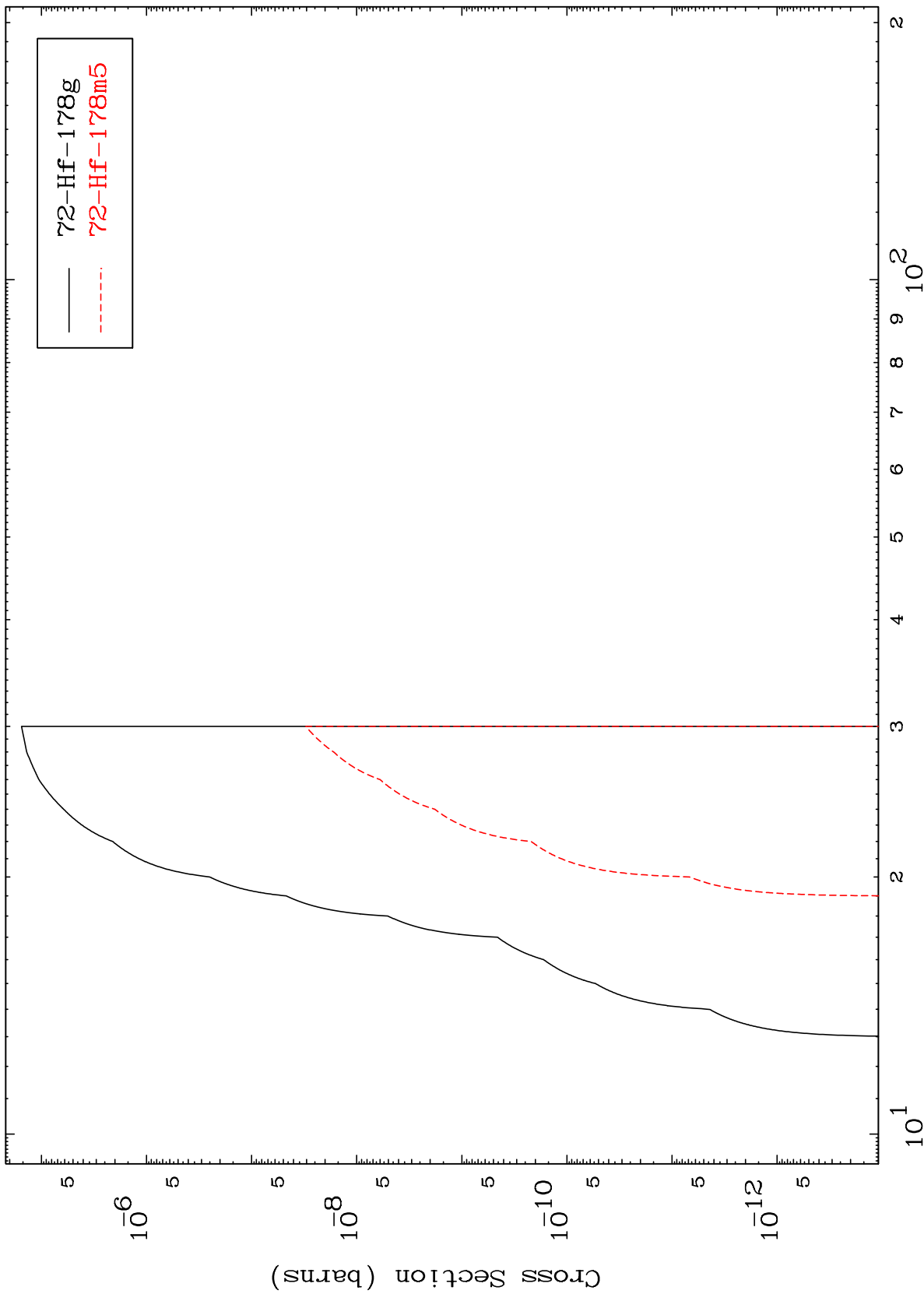
Incident Energy (MeV)

73-Ta-180

MAT 7325

73-Ta-180

(γ, d)
Radionuclide Production Cross Section



73-Ta-180

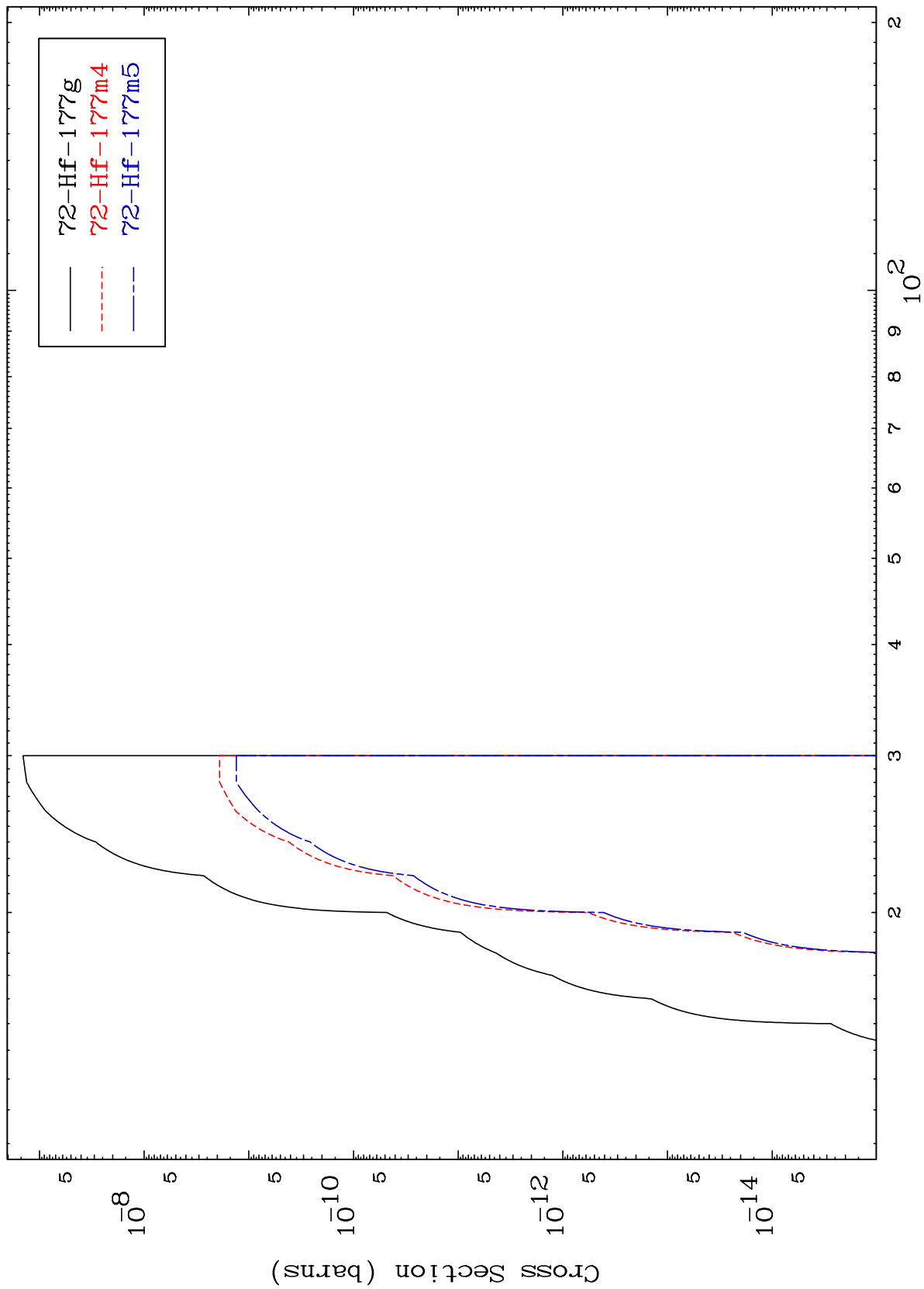
Incident Energy (MeV)

18

MAT 7325

73-Ta-180

(γ, t)
Radionuclide Production Cross Section



19

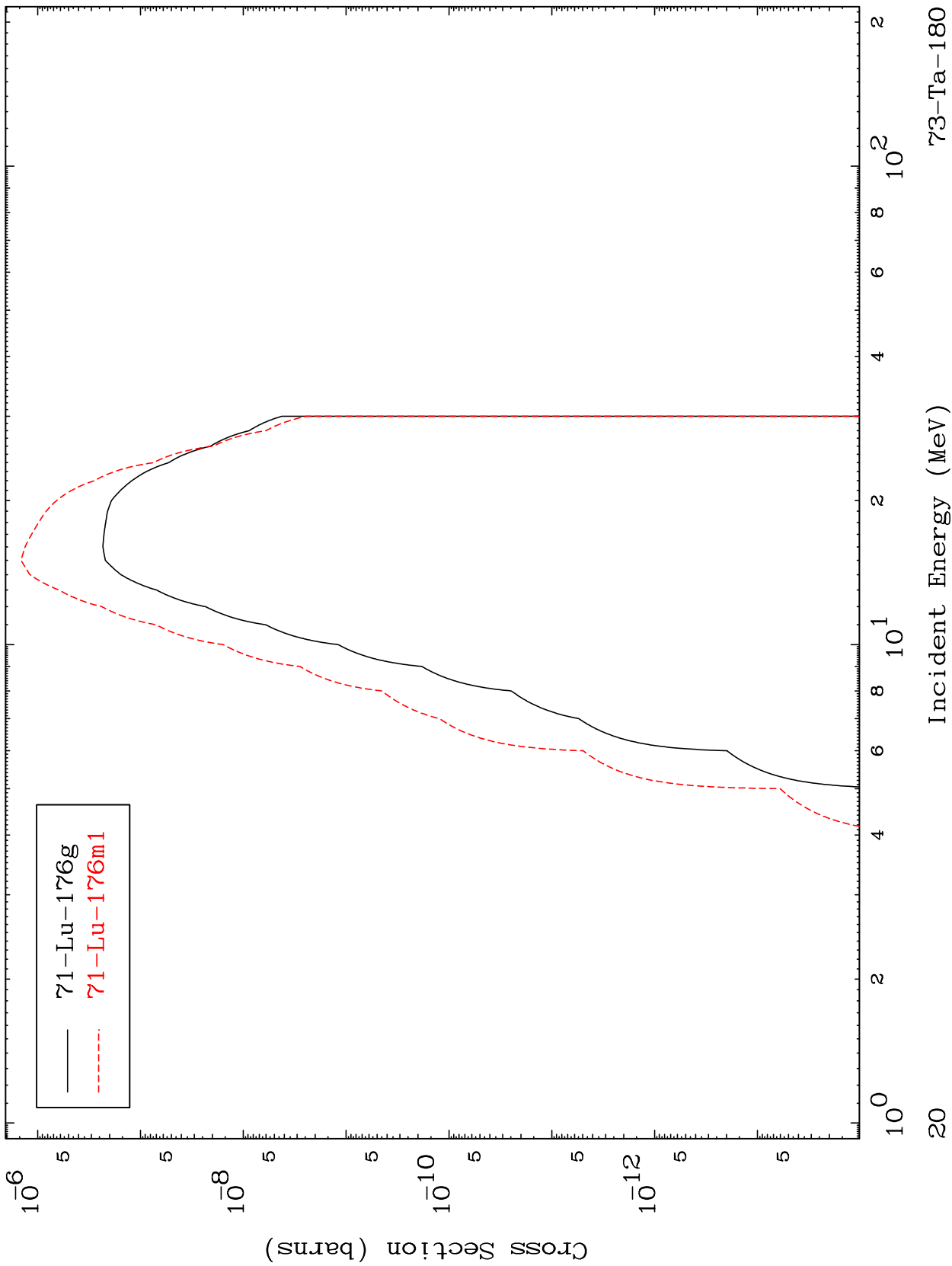
Incident Energy (MeV)

73-Ta-180

MAT 7325

⁷³Ta-180

Radionuclide Production Cross Section
(γ, α)



⁷³Ta-180

Incident Energy (MeV)