

Program EVALPLOT
(Version 2018-1)

by

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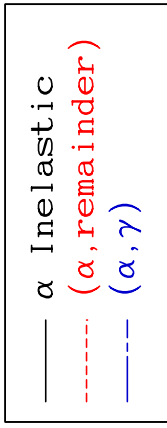
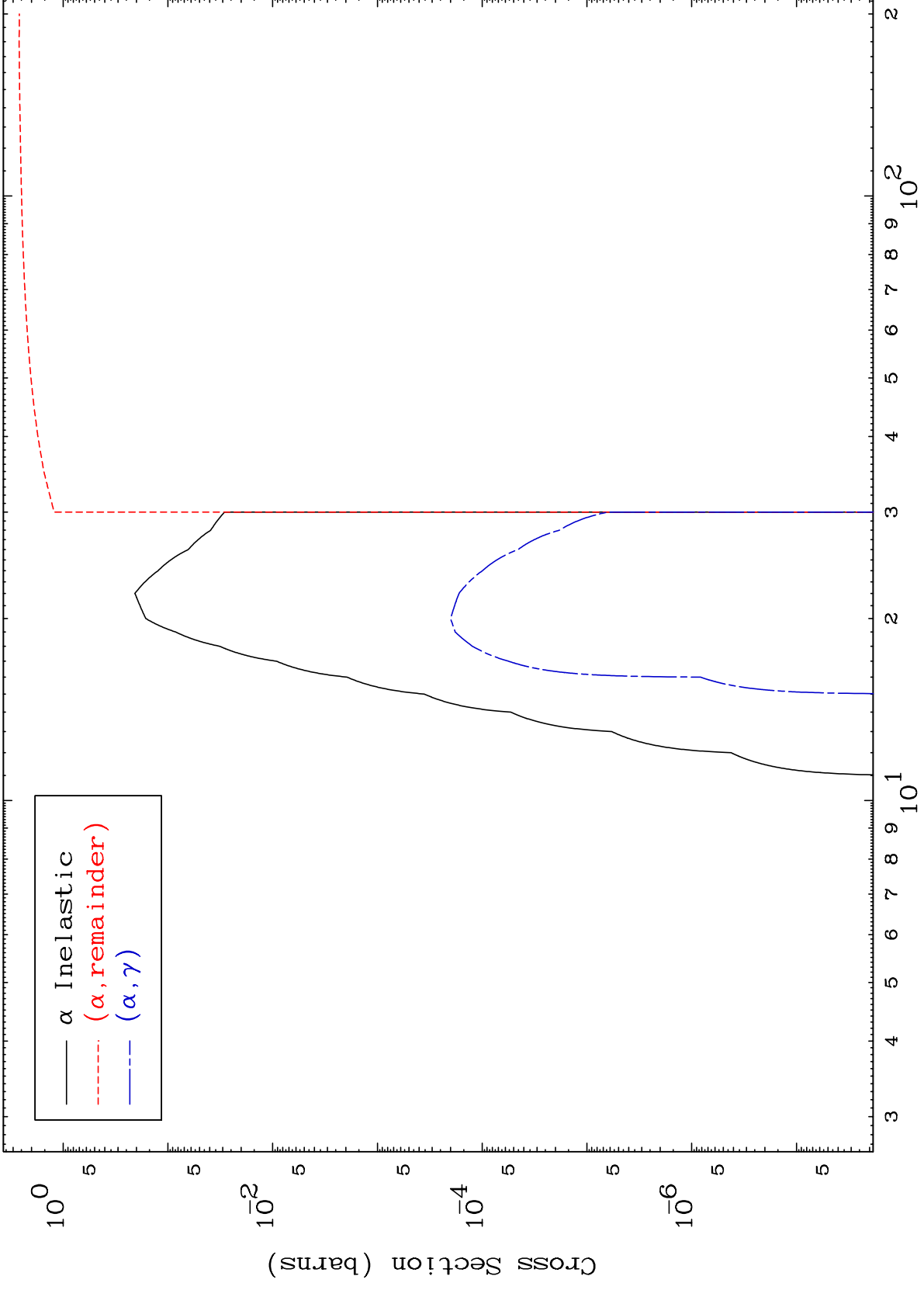
Press Mouse Button to Start

MAT 7319

α Major

73-Ta-178

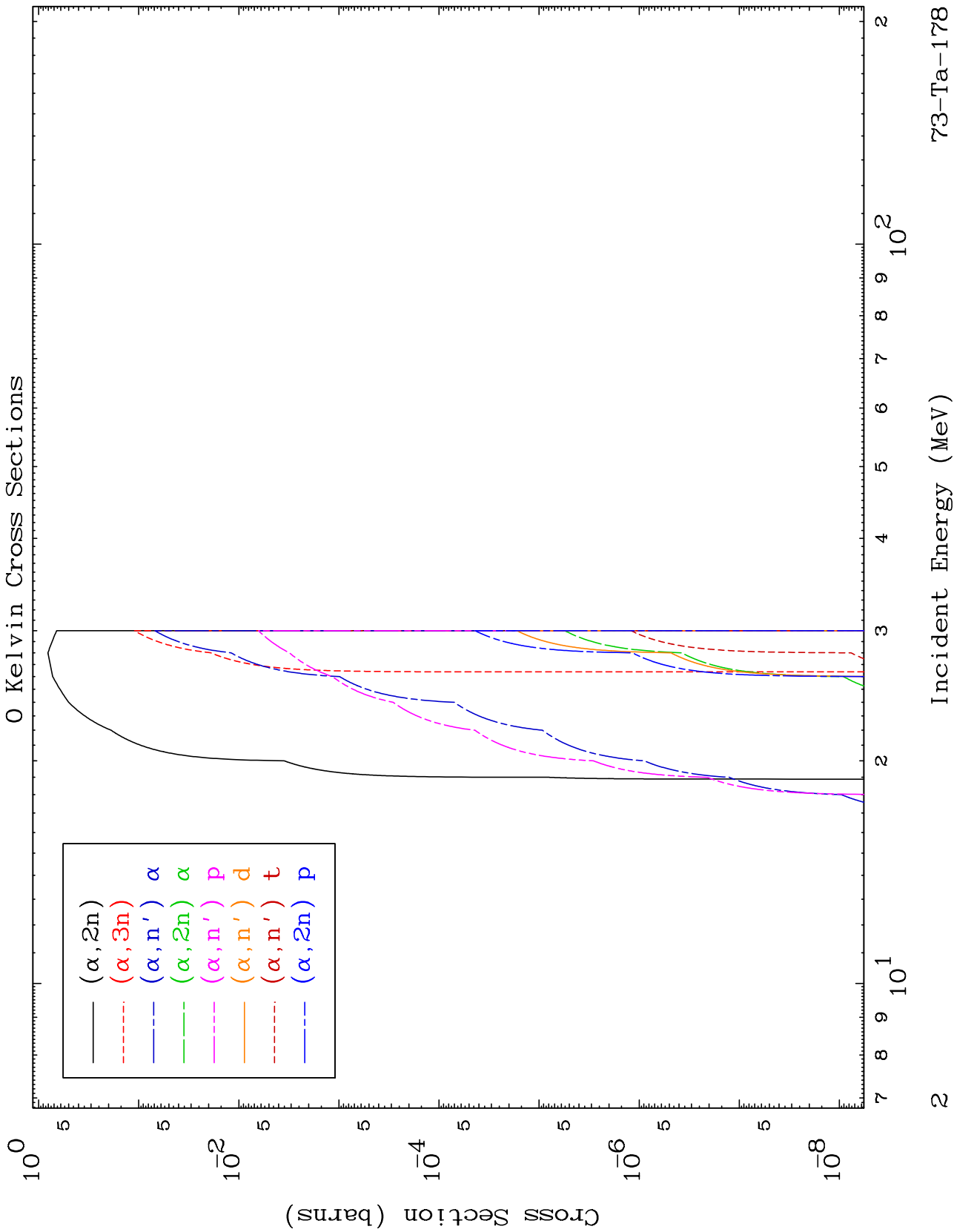
0 Kelvin Cross Sections



MAT 7319

α Neutron Production
0 Kelvin Cross Sections

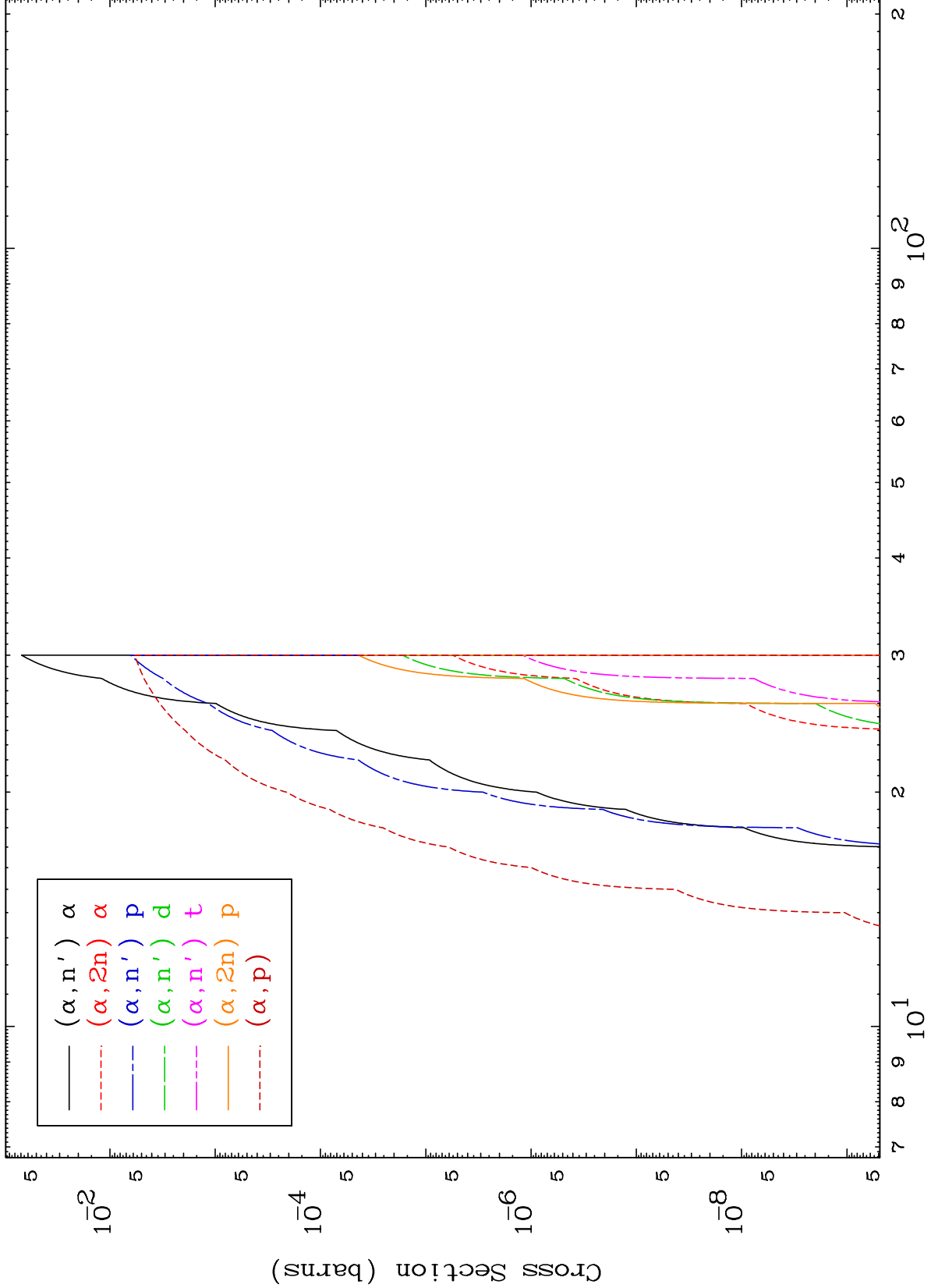
73-Ta-178



Incident Energy (MeV)

73-Ta-178

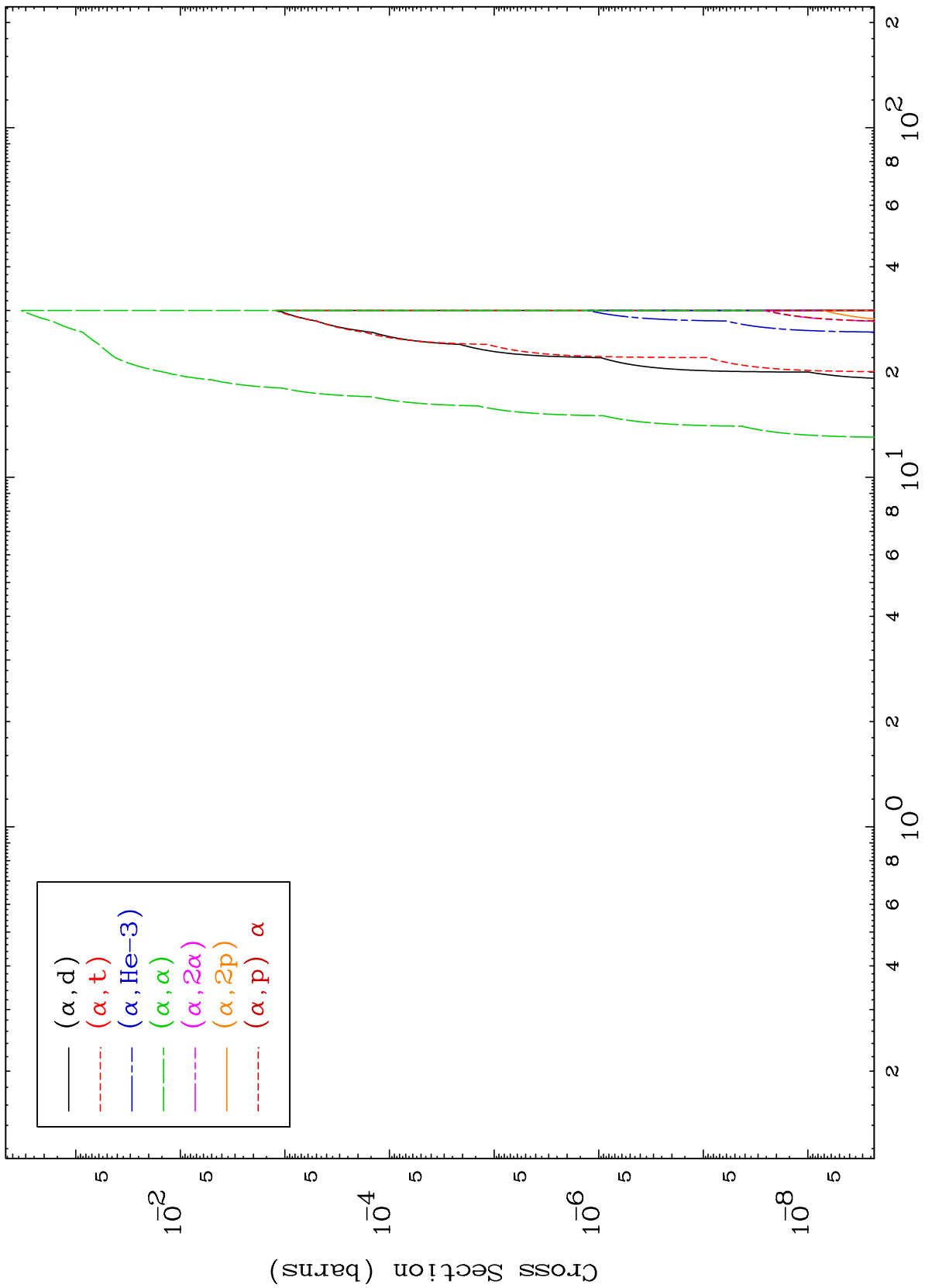
2



MAT 7319

α Charged Particle
0 Kelvin Cross Sections

73-Ta-178

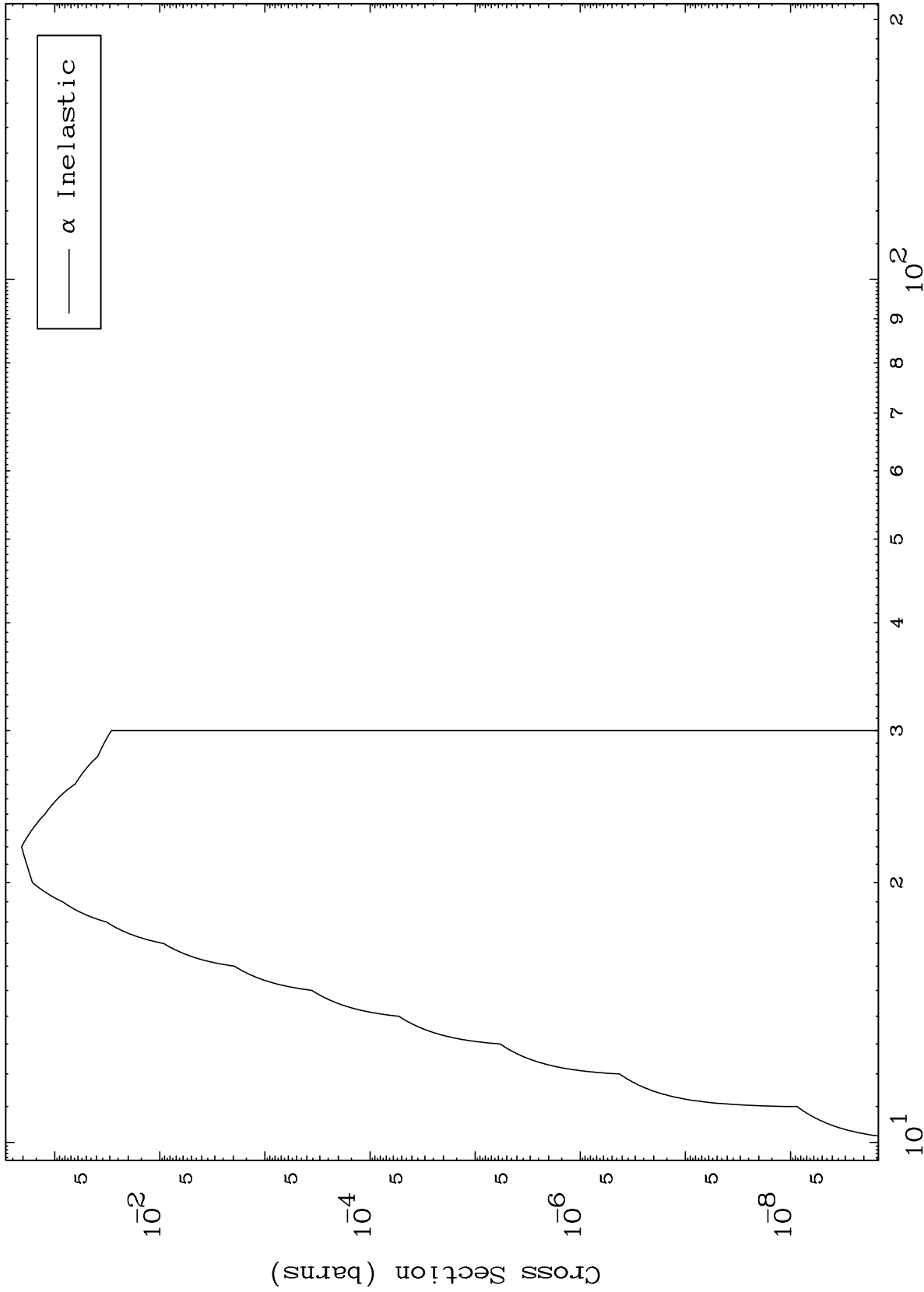


MAT 7319

(α, n') Level

73-Ta-178

0 Kelvin Cross Sections



Incident Energy (MeV)

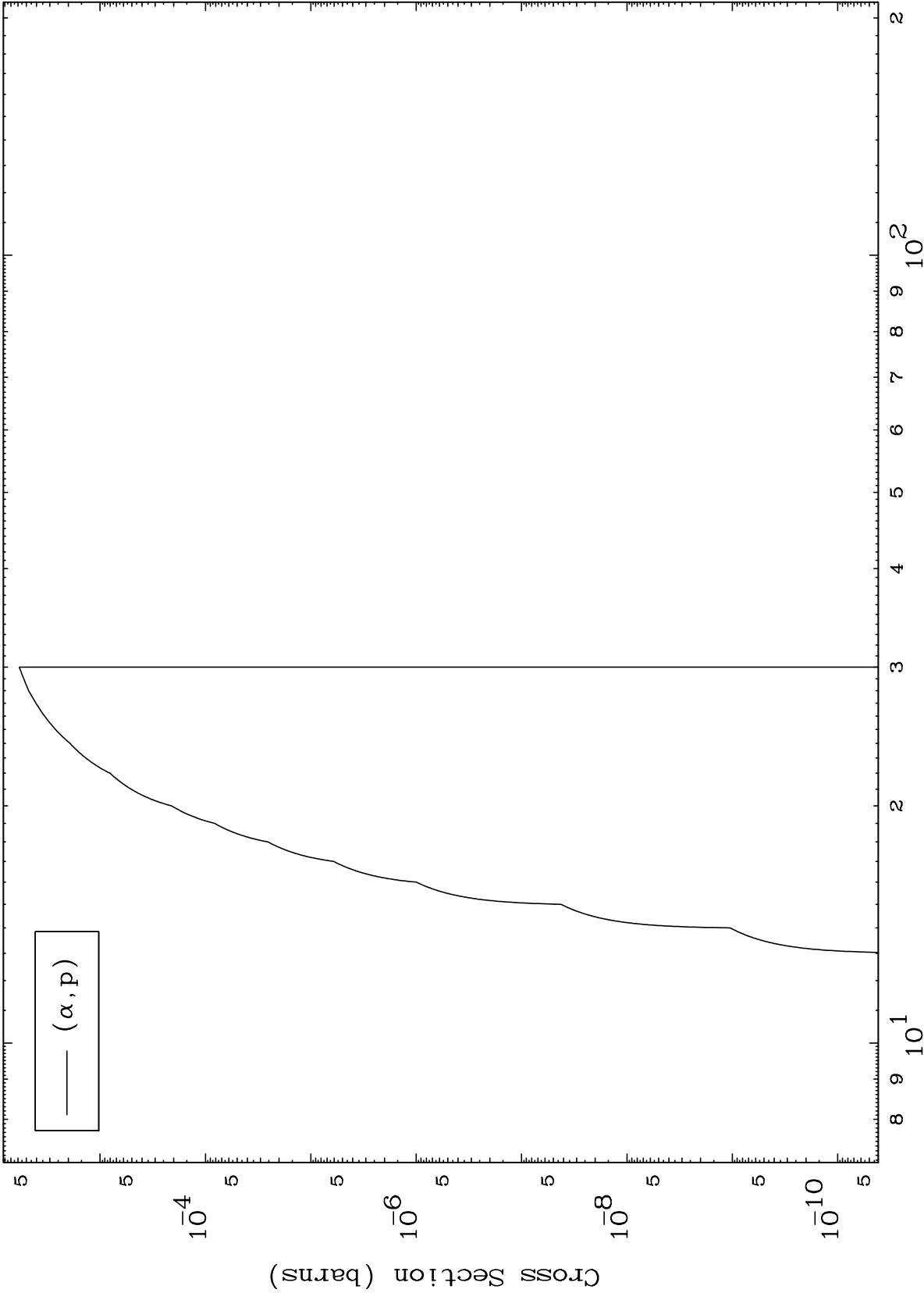
73-Ta-178

MAT 7319

(α, p) Levels

73-Ta-178

0 Kelvin Cross Sections



6

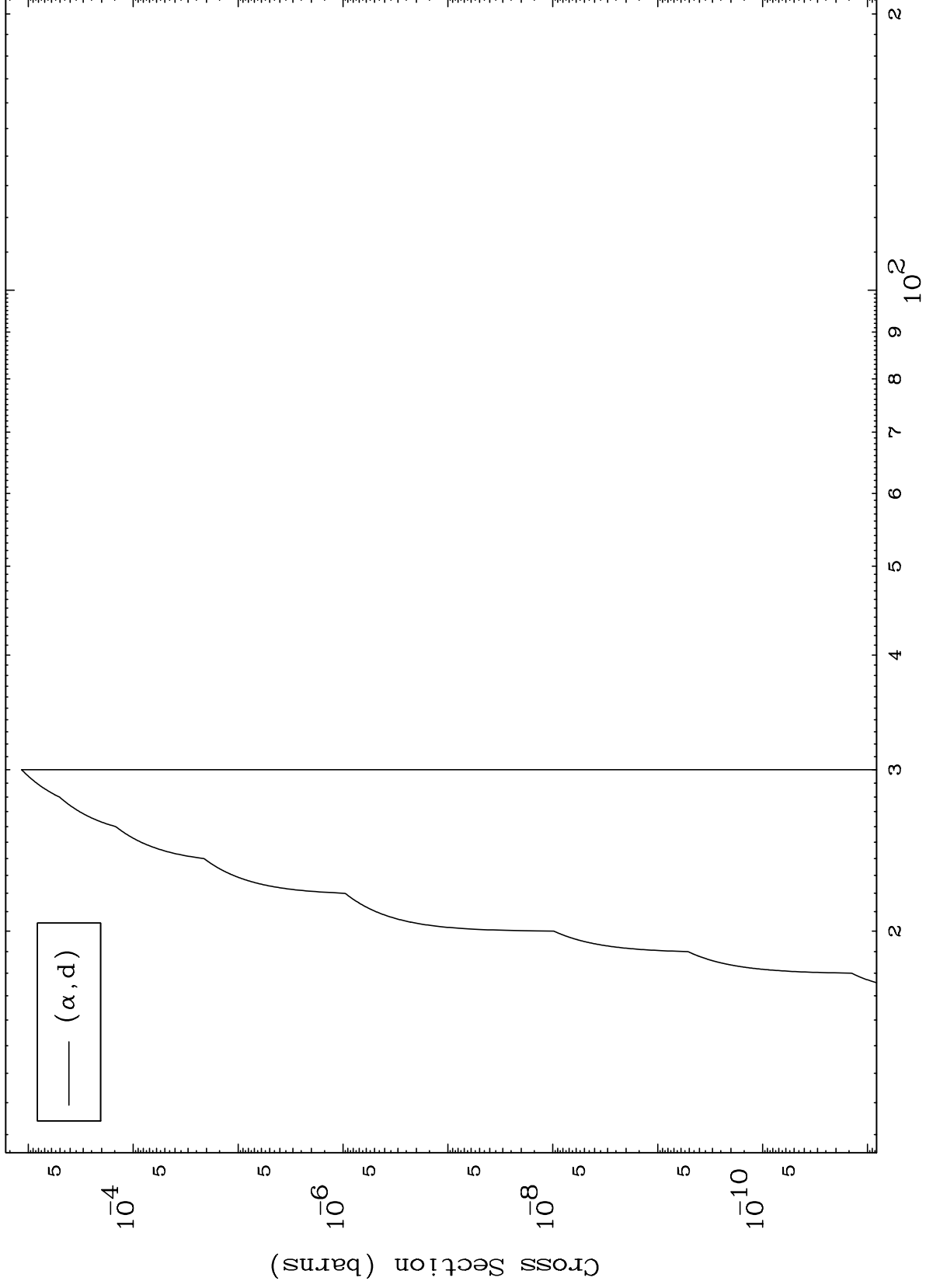
Incident Energy (MeV)

73-Ta-178

MAT 7319

(α, d) Levels
0 Kelvin Cross Sections

73-Ta-178



7

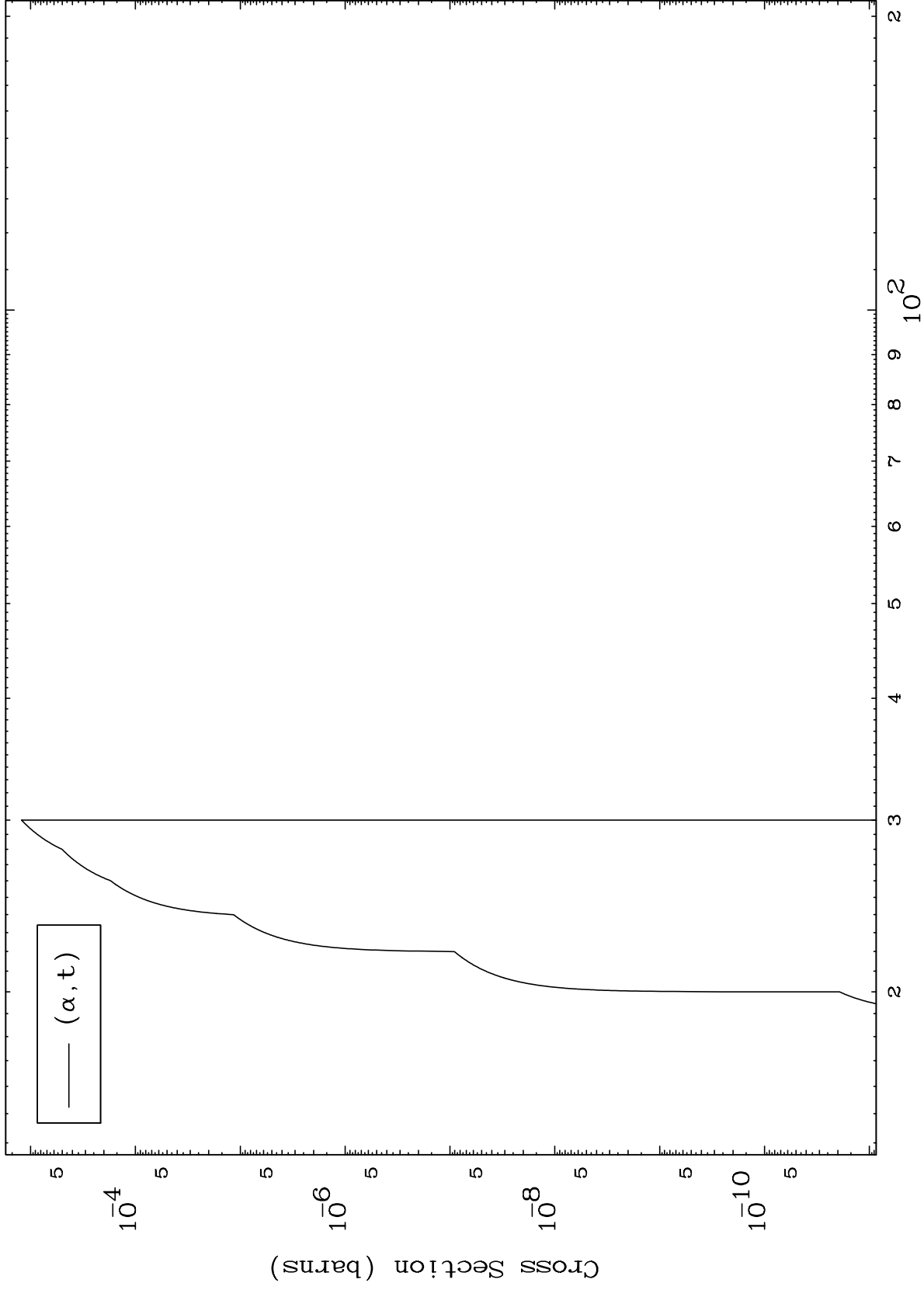
Incident Energy (MeV)

73-Ta-178

MAT 7319

(α, t) Levels
0 Kelvin Cross Sections

73-Ta-178



8

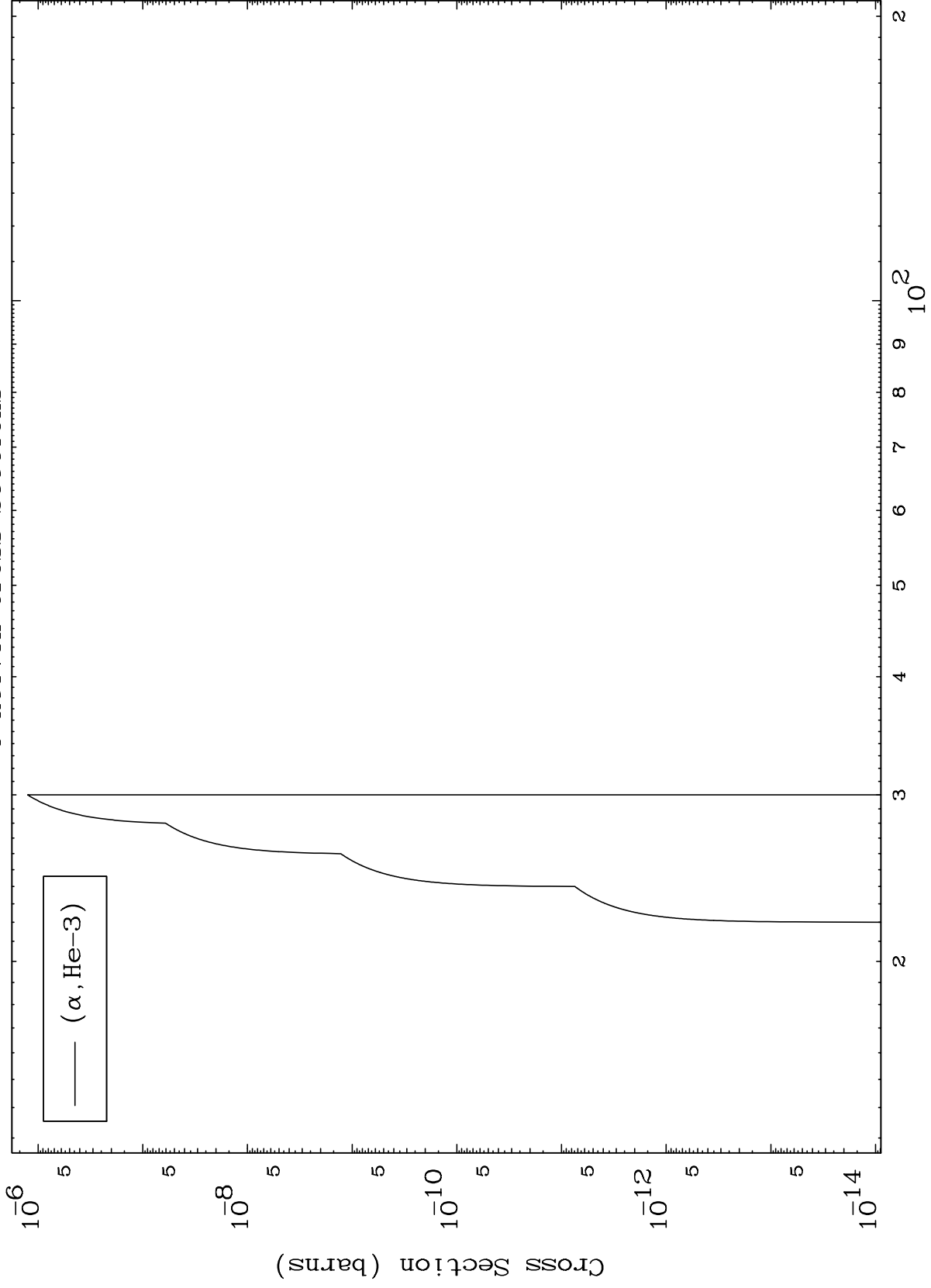
Incident Energy (MeV)

73-Ta-178

MAT 7319

(α ,He3) Levels
0 Kelvin Cross Sections

73-Ta-178

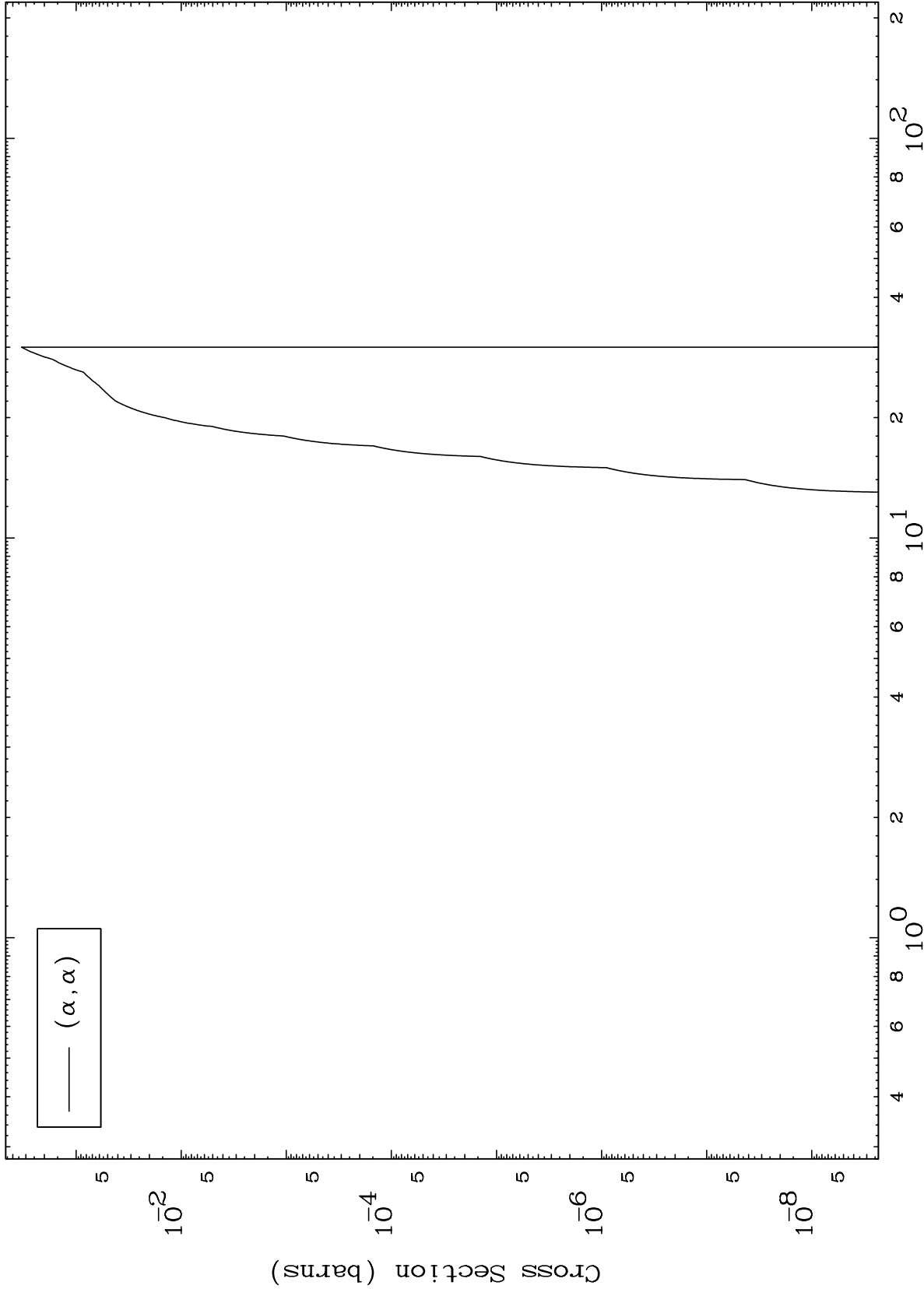


MAT 7319

(α, α) Levels

73-Ta-178

0 Kelvin Cross Sections



10

Incident Energy (MeV)

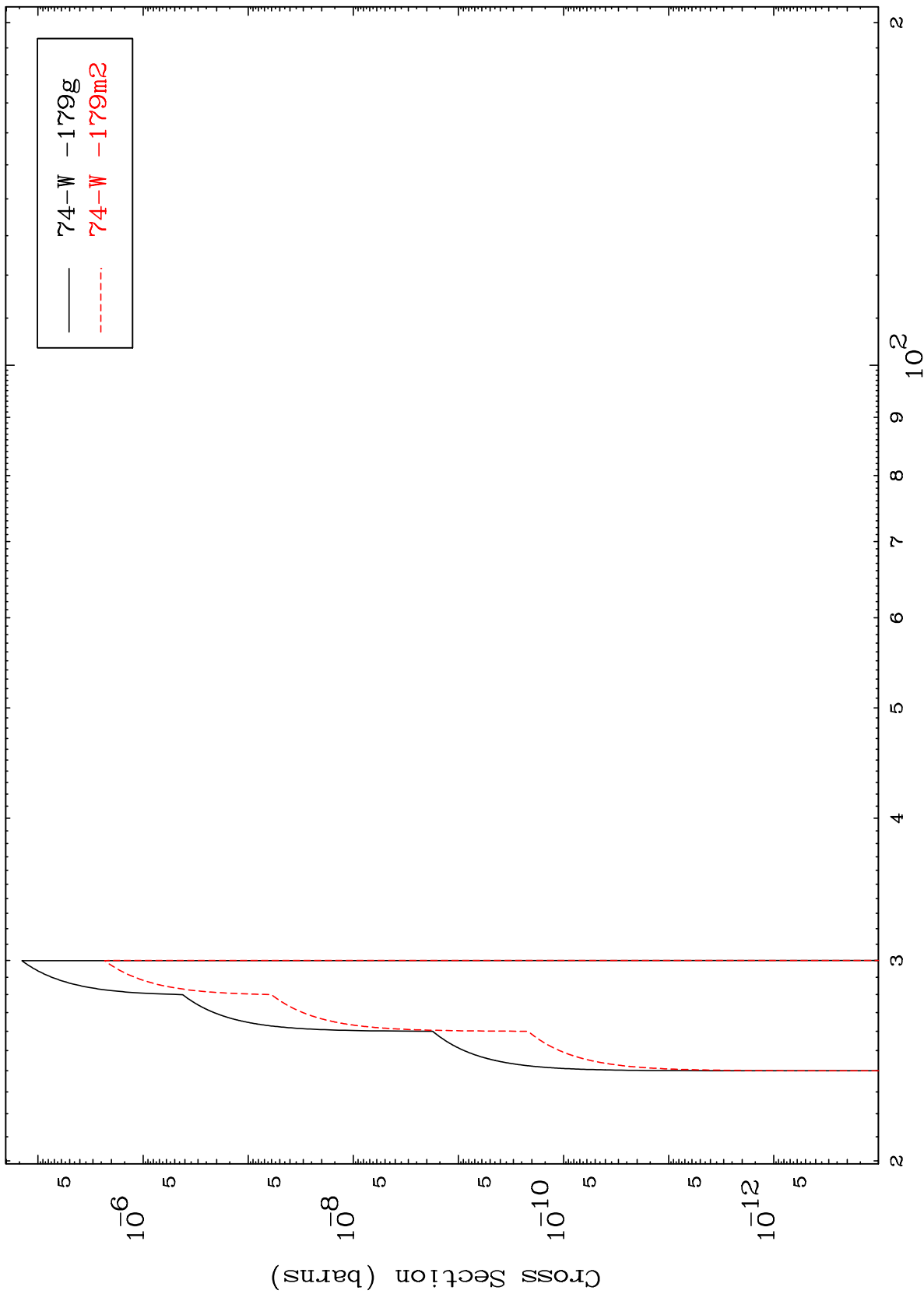
73-Ta-178

MAT 7319

(α, n') d

⁷³Ta-178

Radionuclide Production Cross Section



11

Incident Energy (MeV)

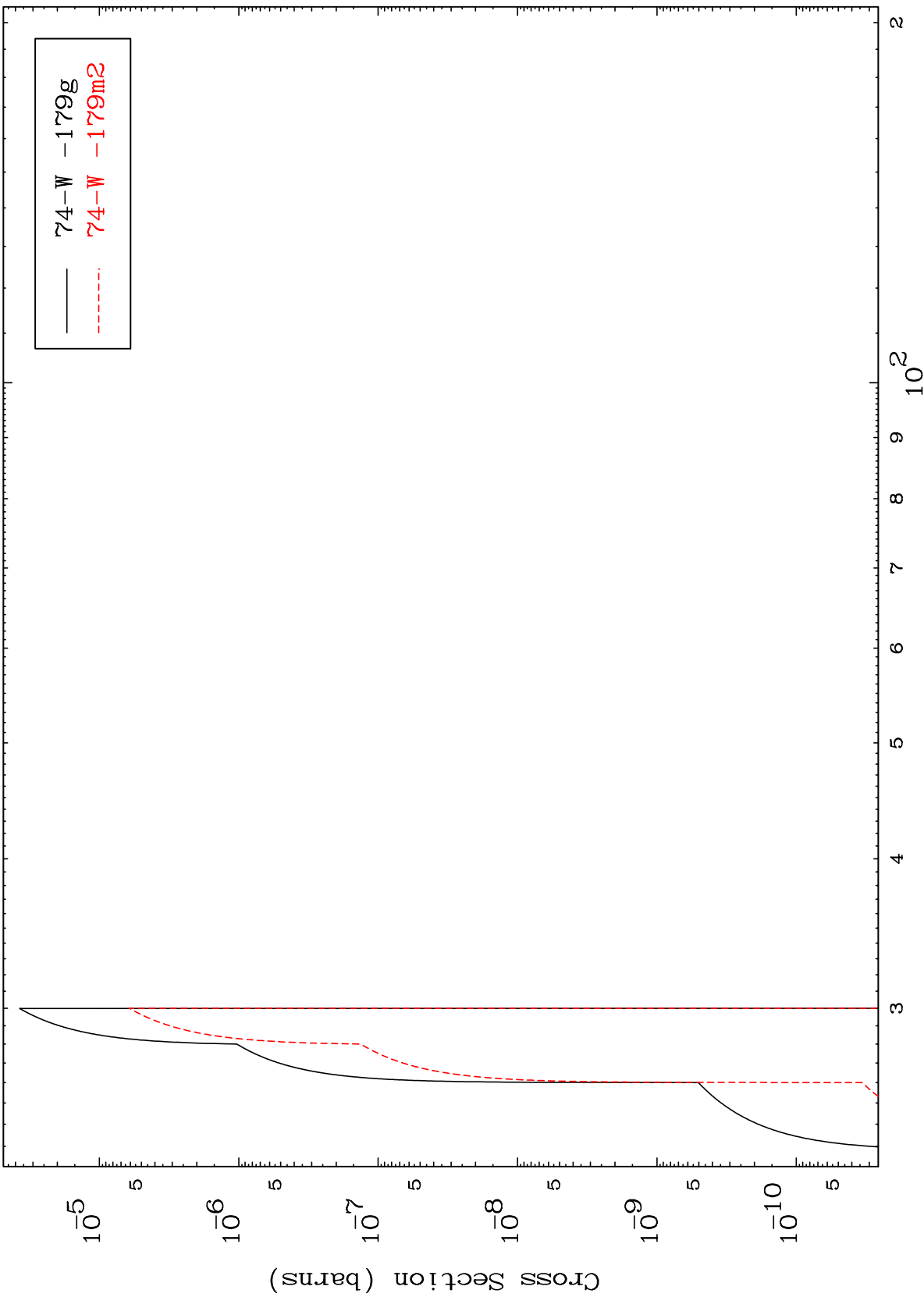
⁷³Ta-178

MAT 7319

$(\alpha, 2n)$ p

⁷³Ta-178

Radionuclide Production Cross Section



12

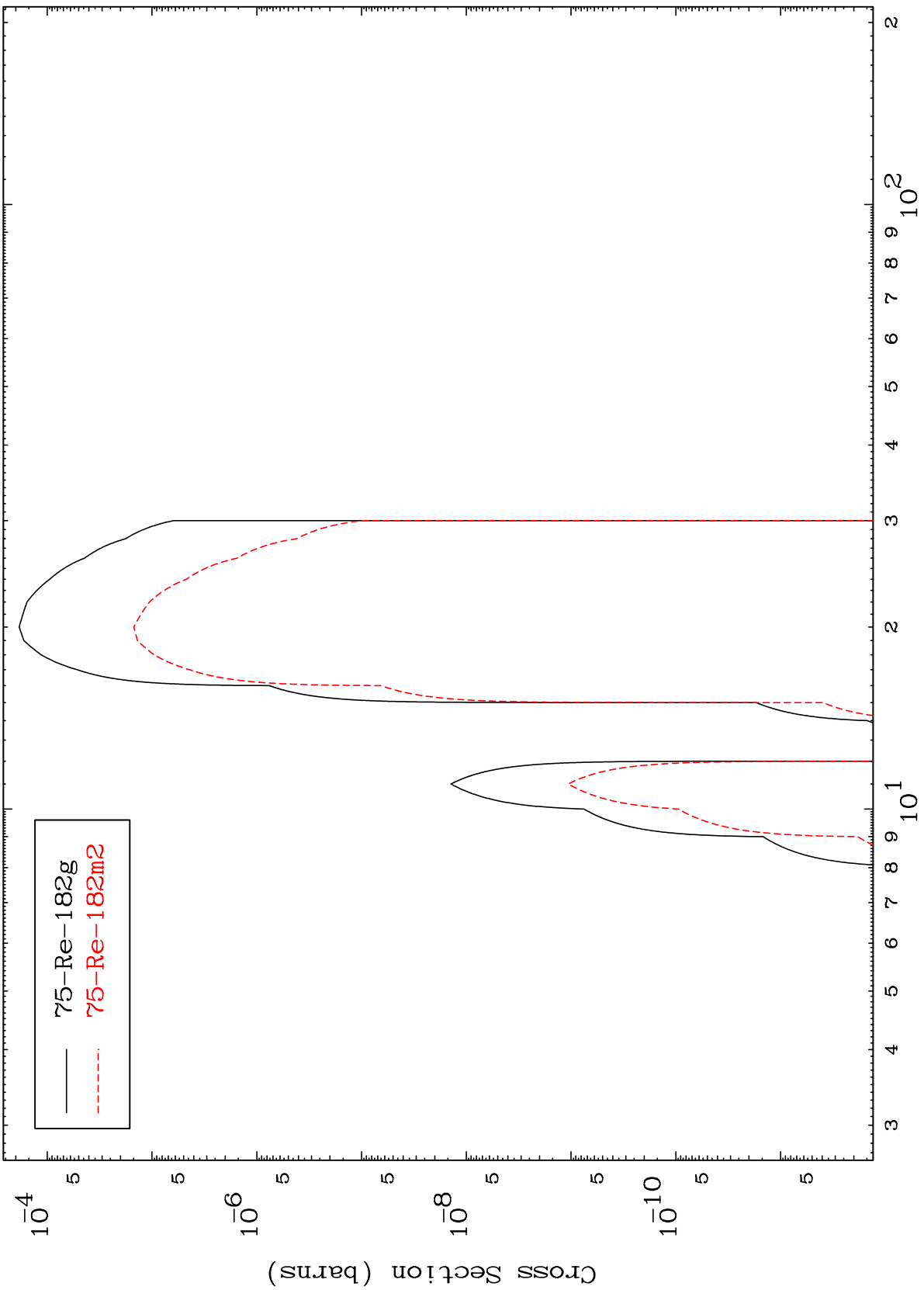
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

73-Ta-178

Radionuclide Production Cross Section
(α, γ)



73-Ta-178

Incident Energy (MeV)

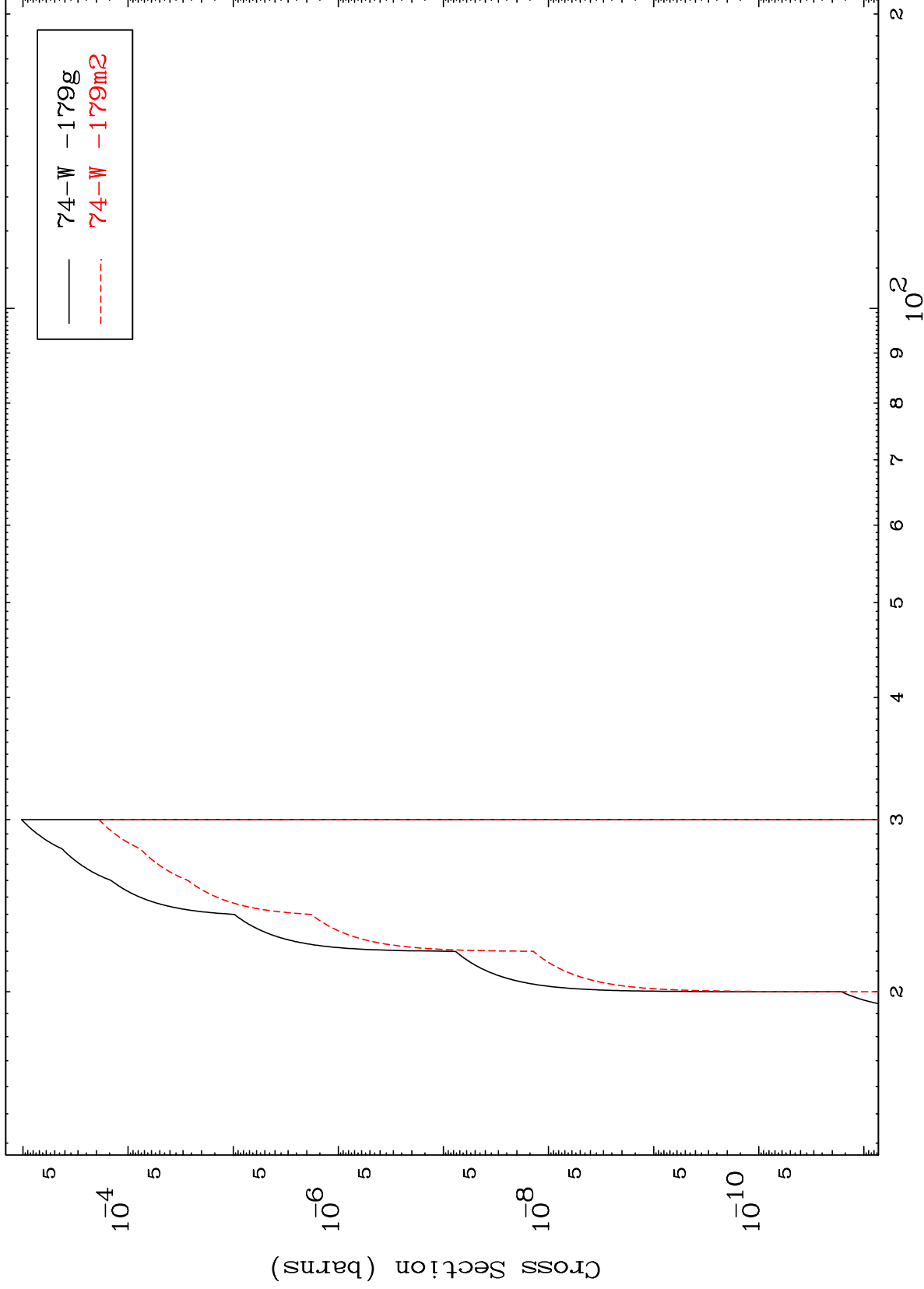
13

MAT 7319

(α, t)

⁷³Ta-178

Radionuclide Production Cross Section



14

Incident Energy (MeV)

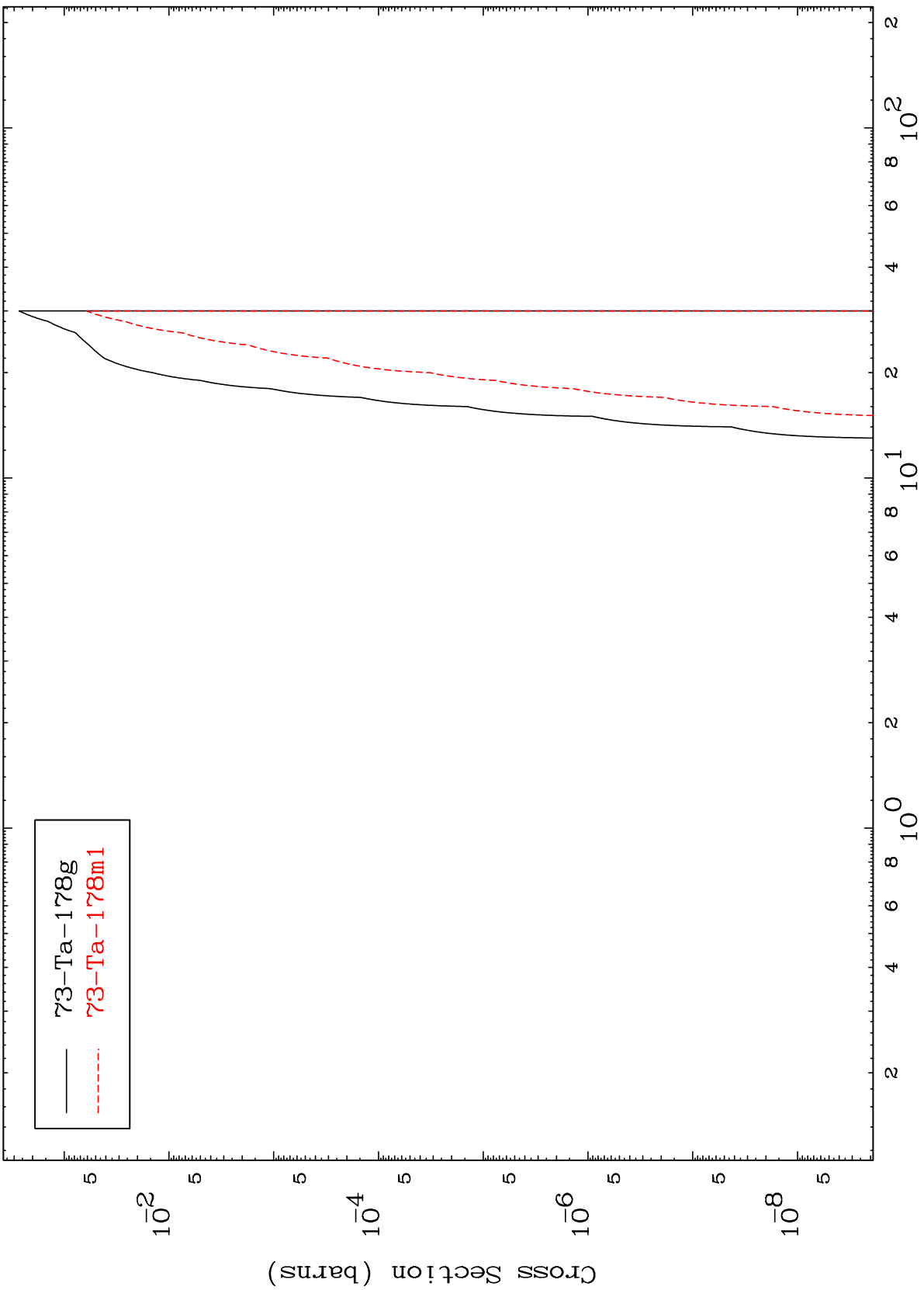
⁷³Ta-178

MAT 7319

(α, α)

⁷³Ta-178

Radionuclide Production Cross Section



— ⁷³Ta-178g
- - - ⁷³Ta-178m1

15

Incident Energy (MeV)

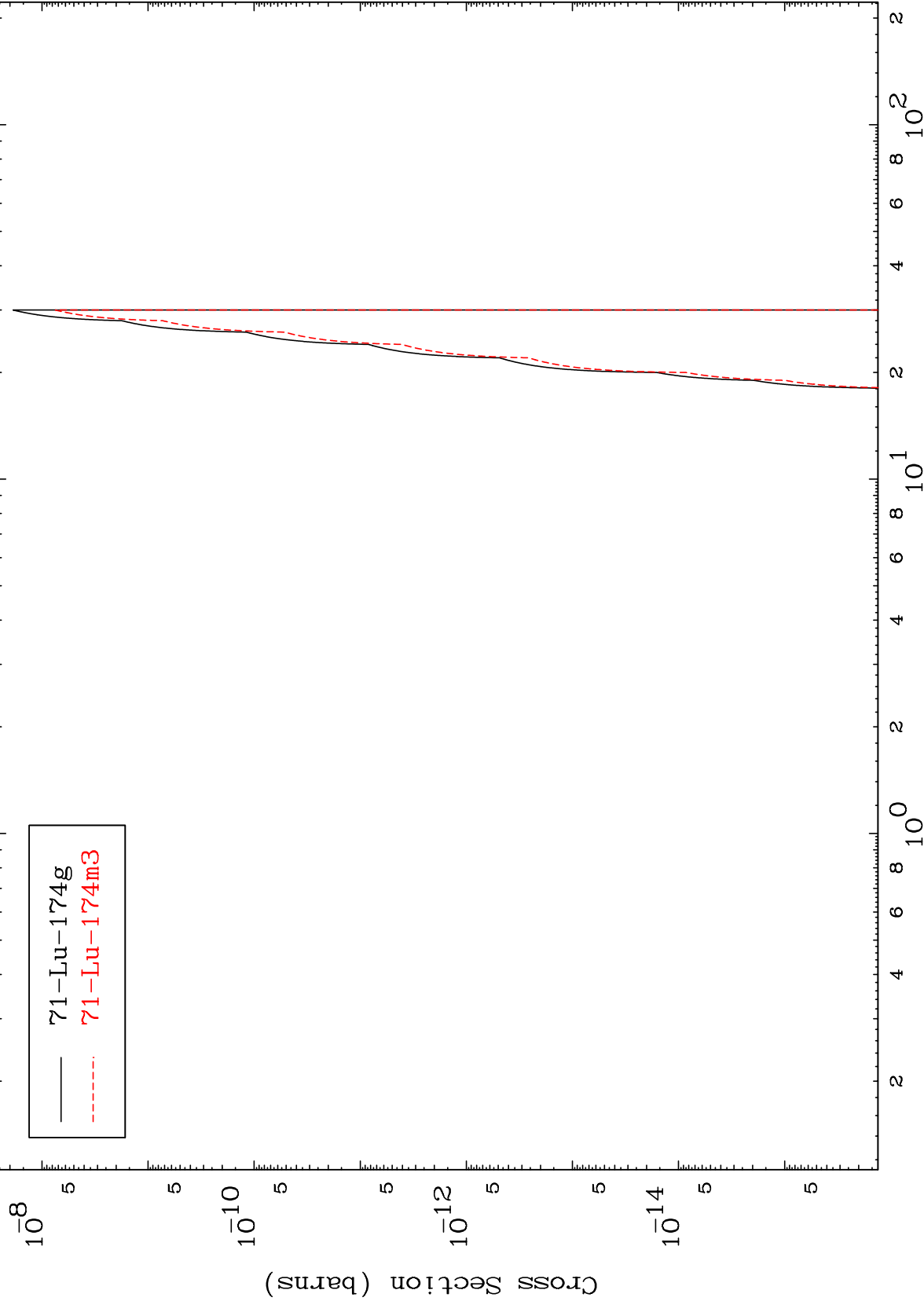
⁷³Ta-178

MAT 7319

($\alpha, 2\alpha$)

⁷³Ta-178

Radionuclide Production Cross Section

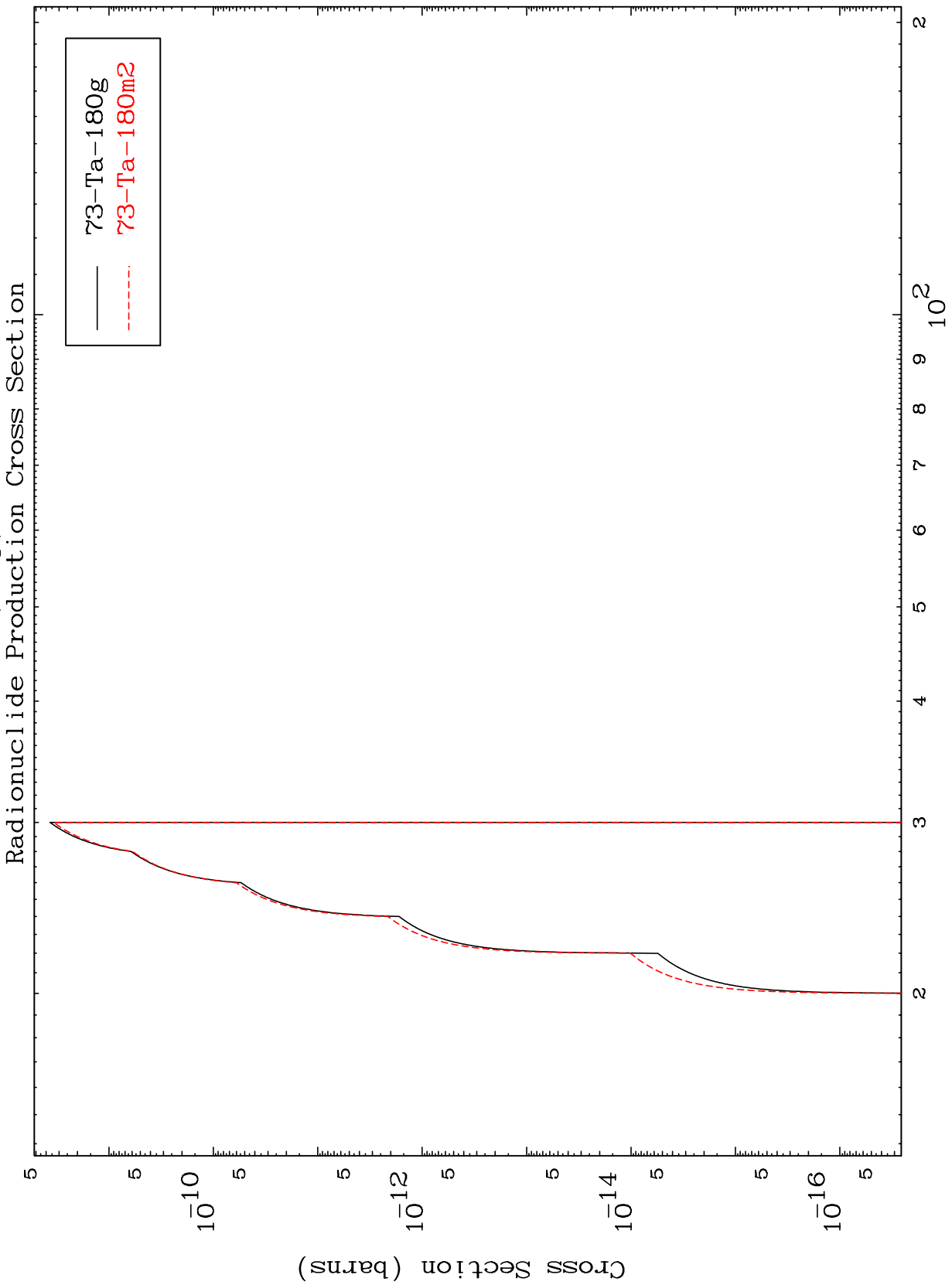


— 71-Lu-174g
- - - 71-Lu-174m3

MAT 7319

⁷³Ta-178

($\alpha, 2p$)
Radionuclide Production Cross Section



17

⁷³Ta-178

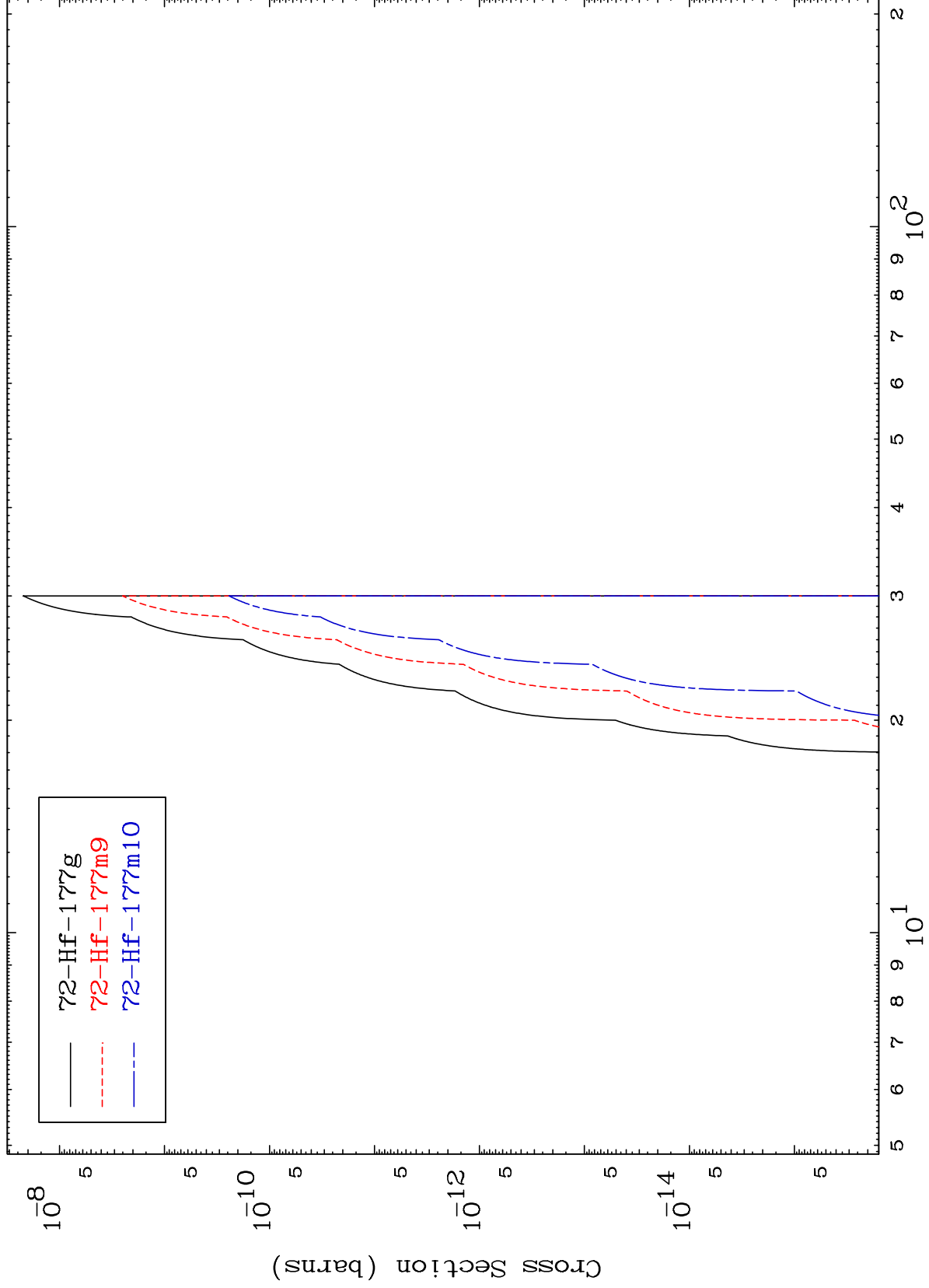
Incident Energy (MeV)

MAT 7319

(α, p) α

$^{73}\text{Ta-178}$

Radionuclide Production Cross Section



18

Incident Energy (MeV)

$^{73}\text{Ta-178}$