

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

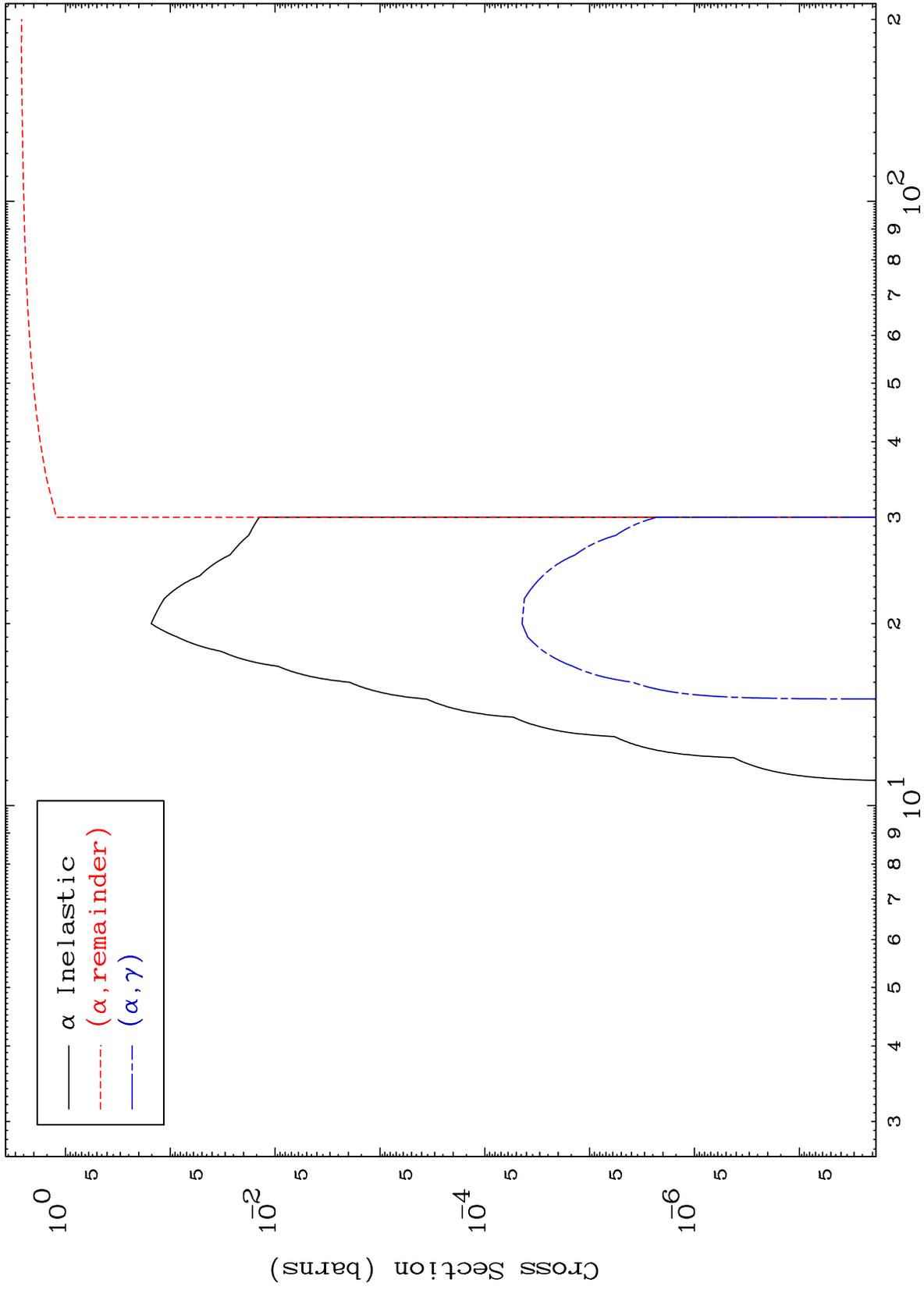
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7319

0 Kelvin α Major Cross Sections

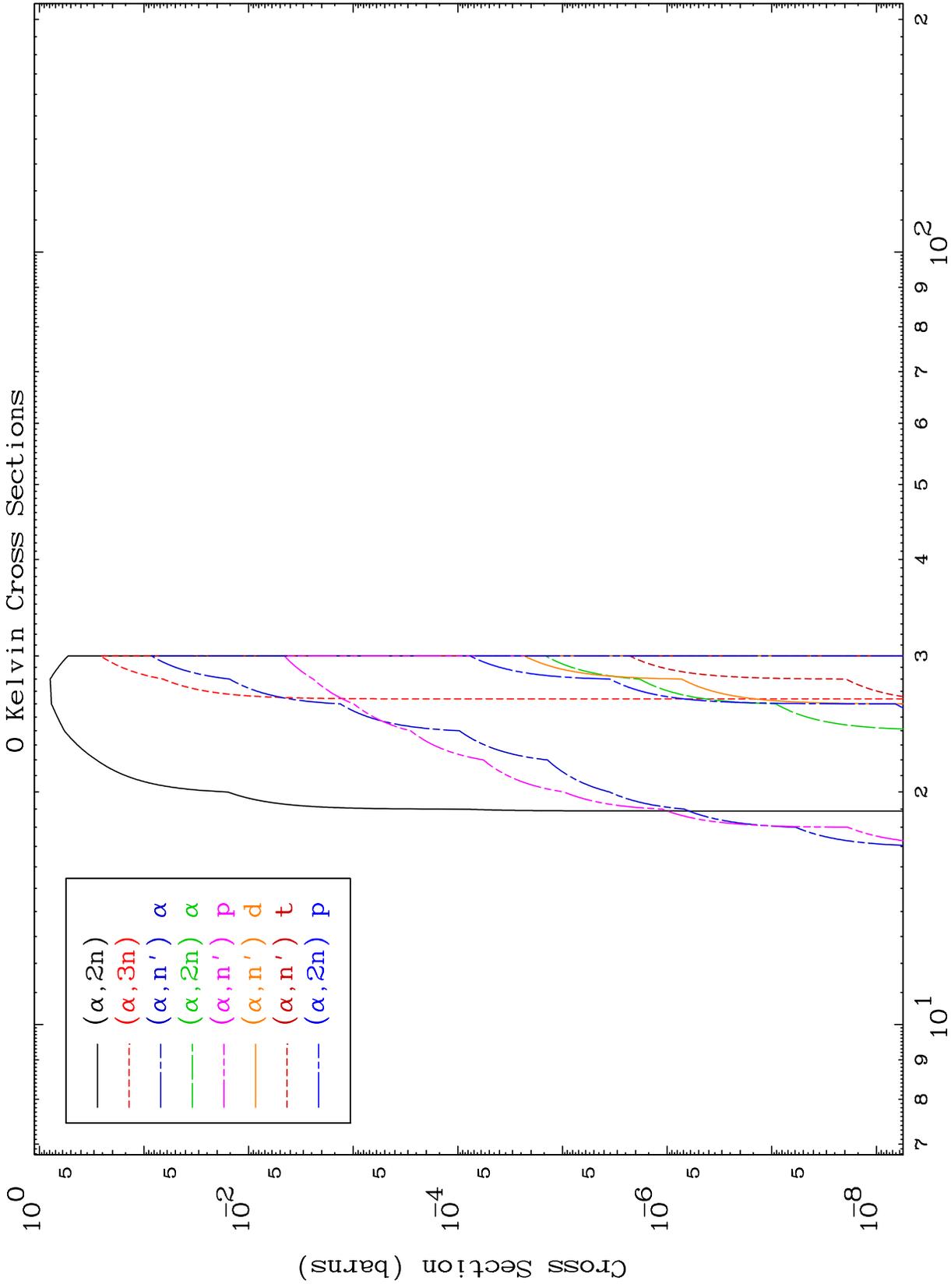
⁷³Ta-178



MAT 7319

α Neutron Production
0 Kelvin Cross Sections

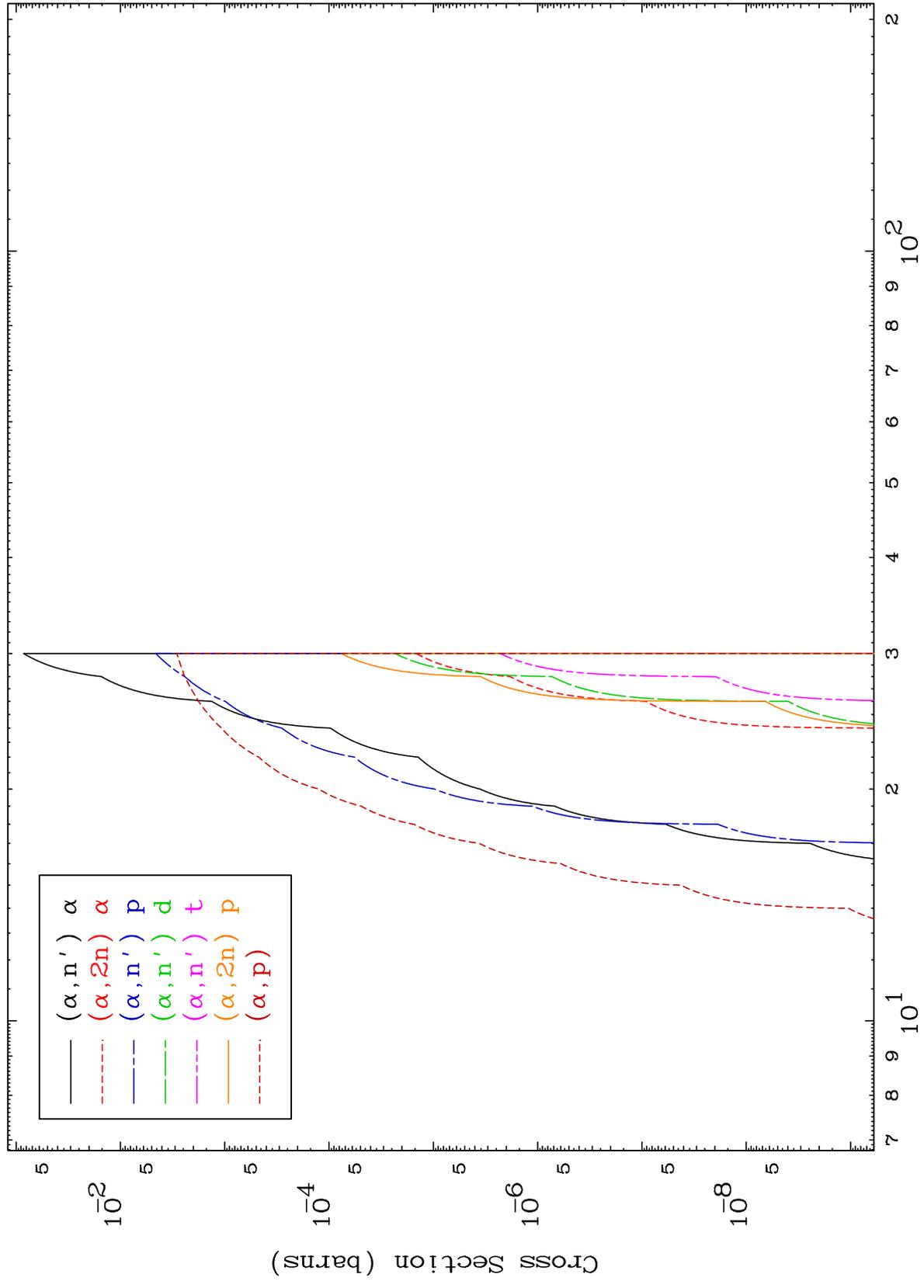
73-Ta-178



2

Incident Energy (MeV)

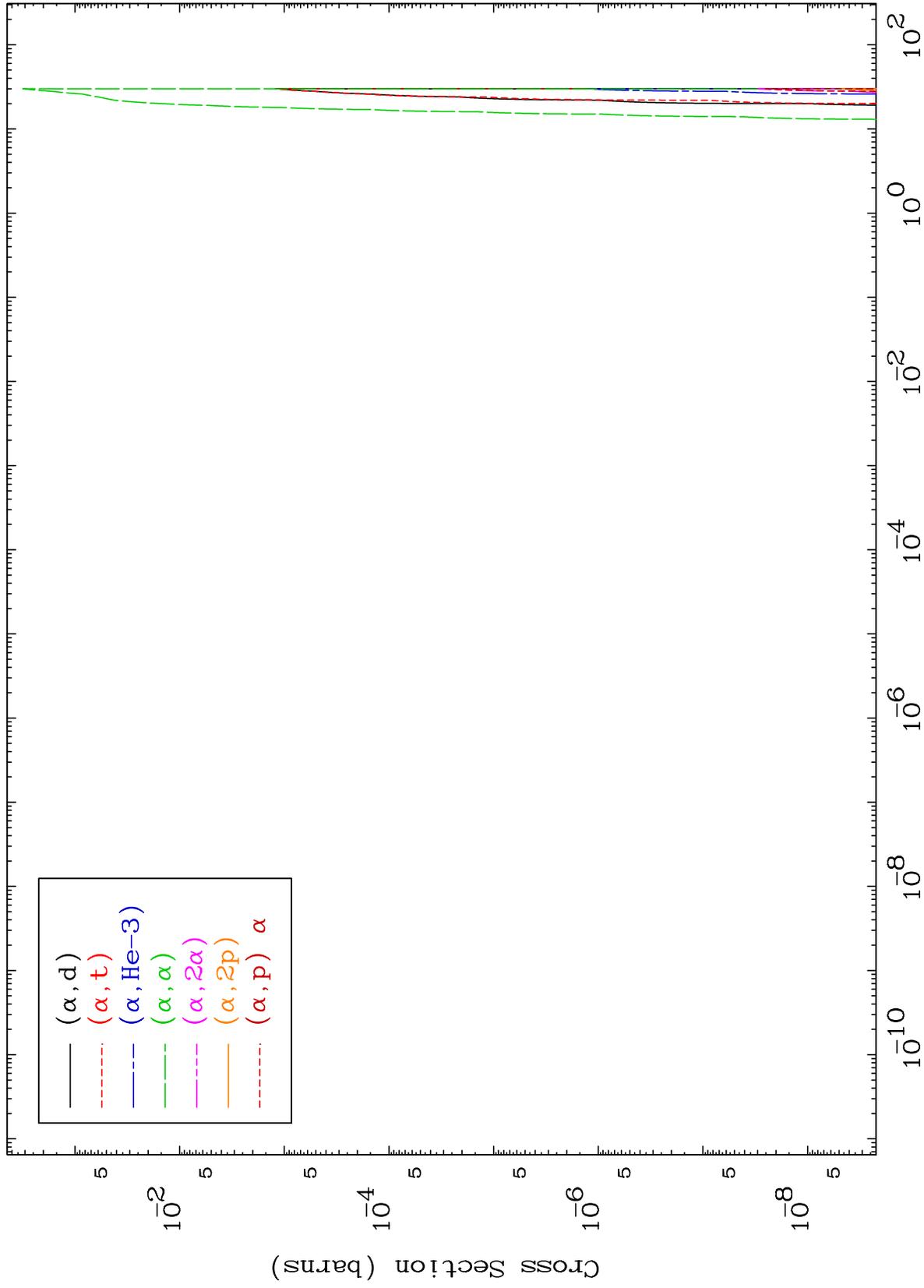
73-Ta-178



MAT 7319

α Charged Particle
0 Kelvin Cross Sections

⁷³Ta-178

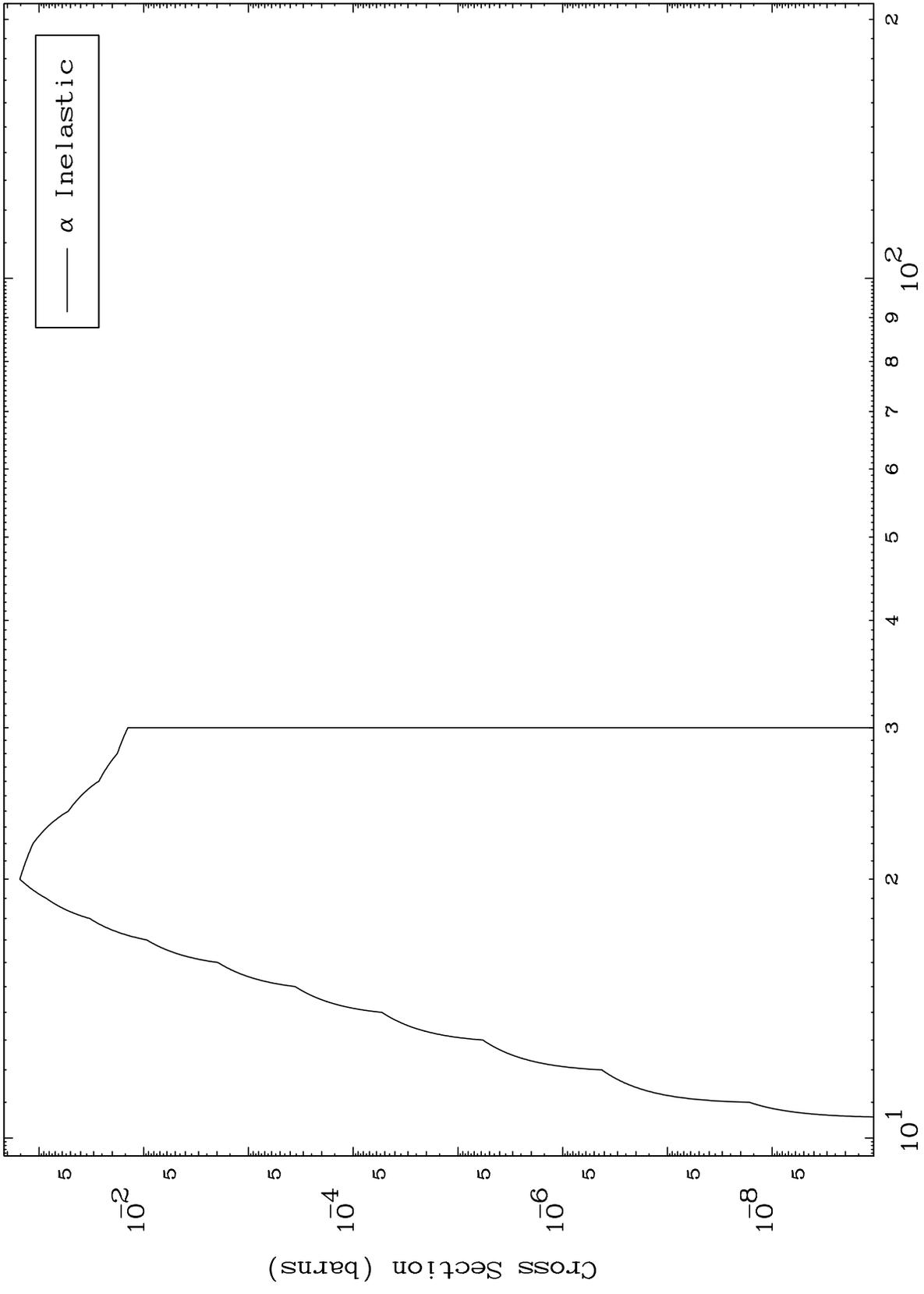


⁷³Ta-178

MAT 7319

(α, n') Level
0 Kelvin Cross Sections

73-Ta-178



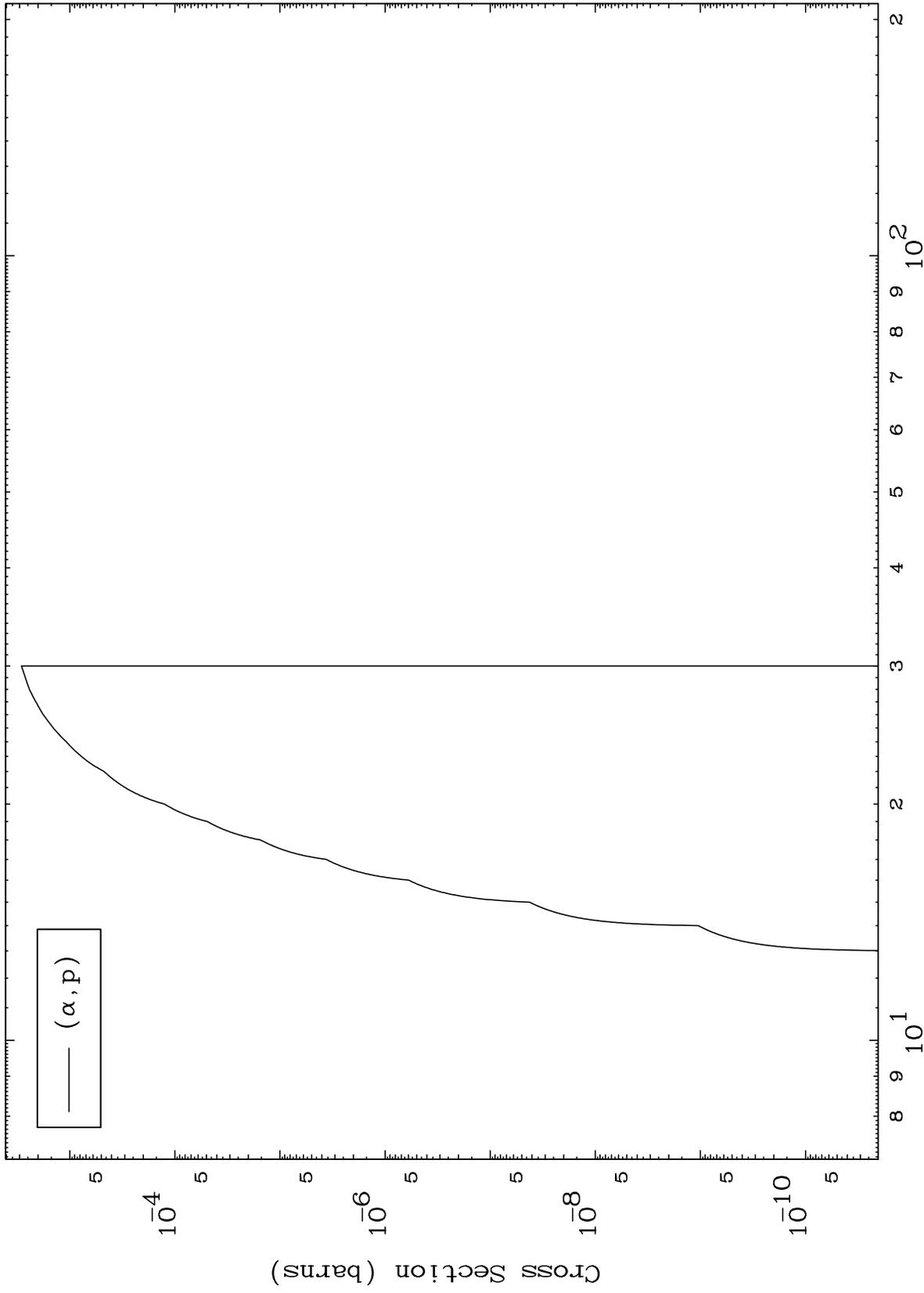
Incident Energy (MeV)

73-Ta-178

MAT 7319

(α, p) Levels
0 Kelvin Cross Sections

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



6

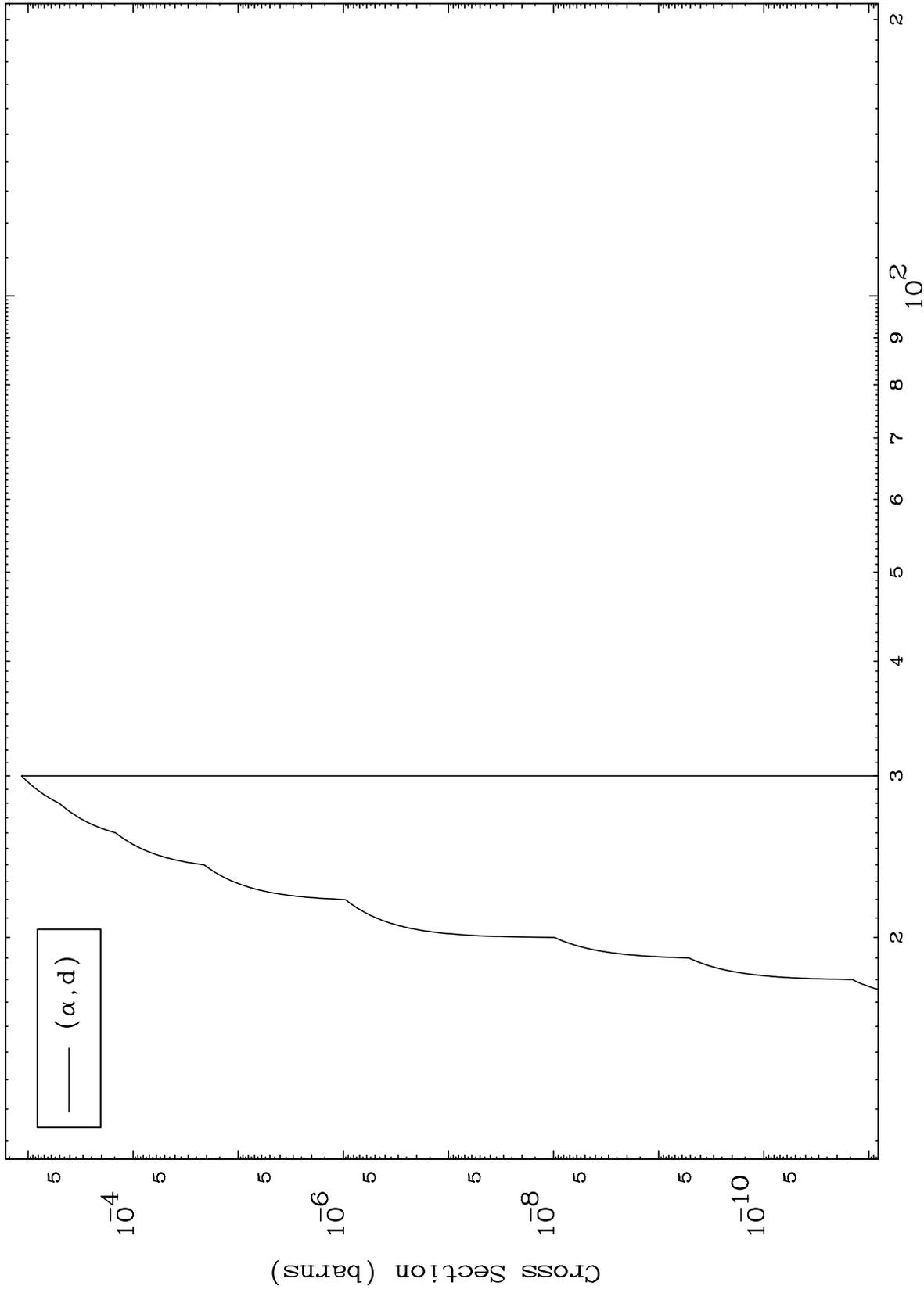
Incident Energy (MeV)

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

MAT 7319

(α, d) Levels
0 Kelvin Cross Sections

⁷³Ta-178



7

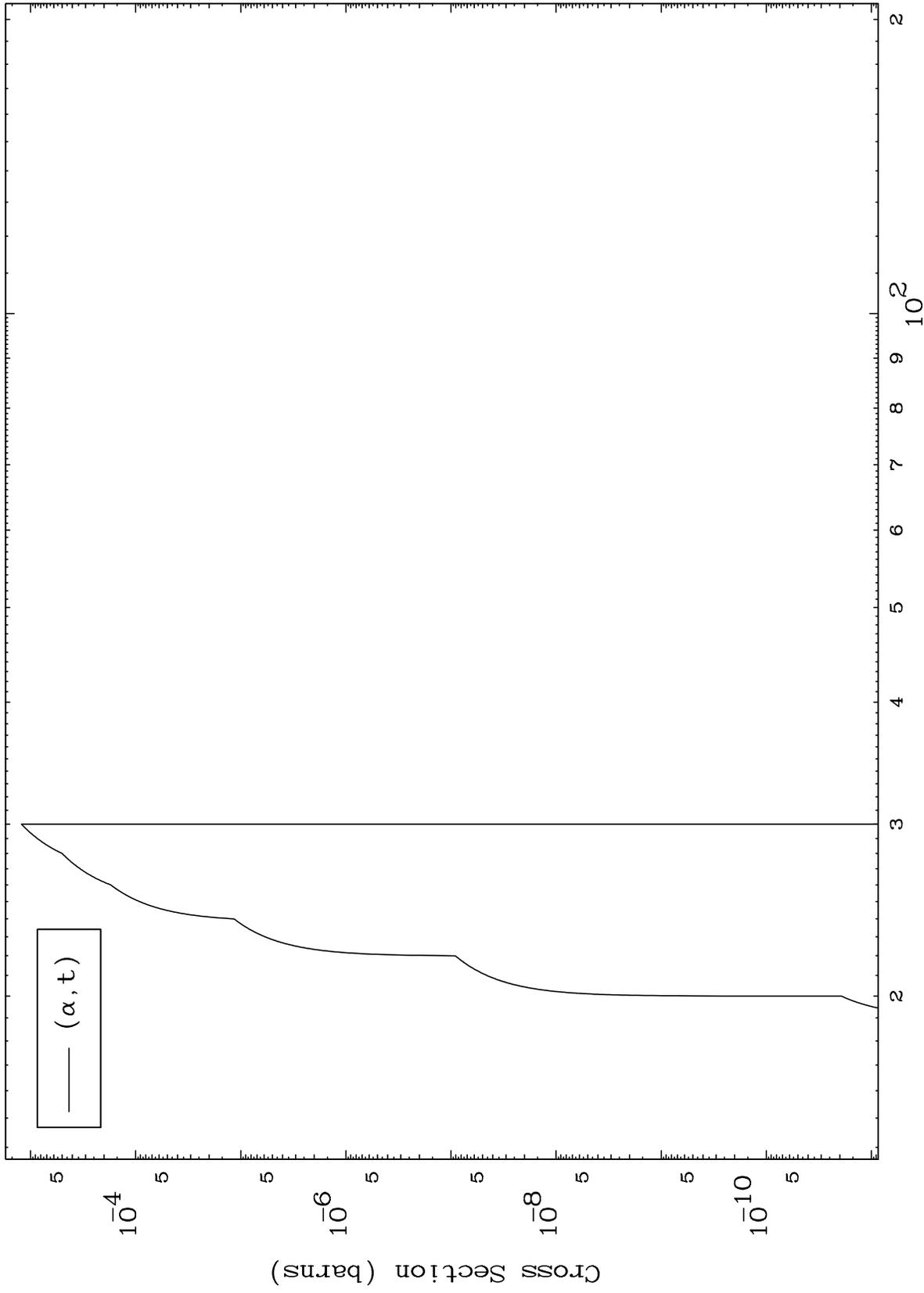
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

(α, t) Levels
0 Kelvin Cross Sections

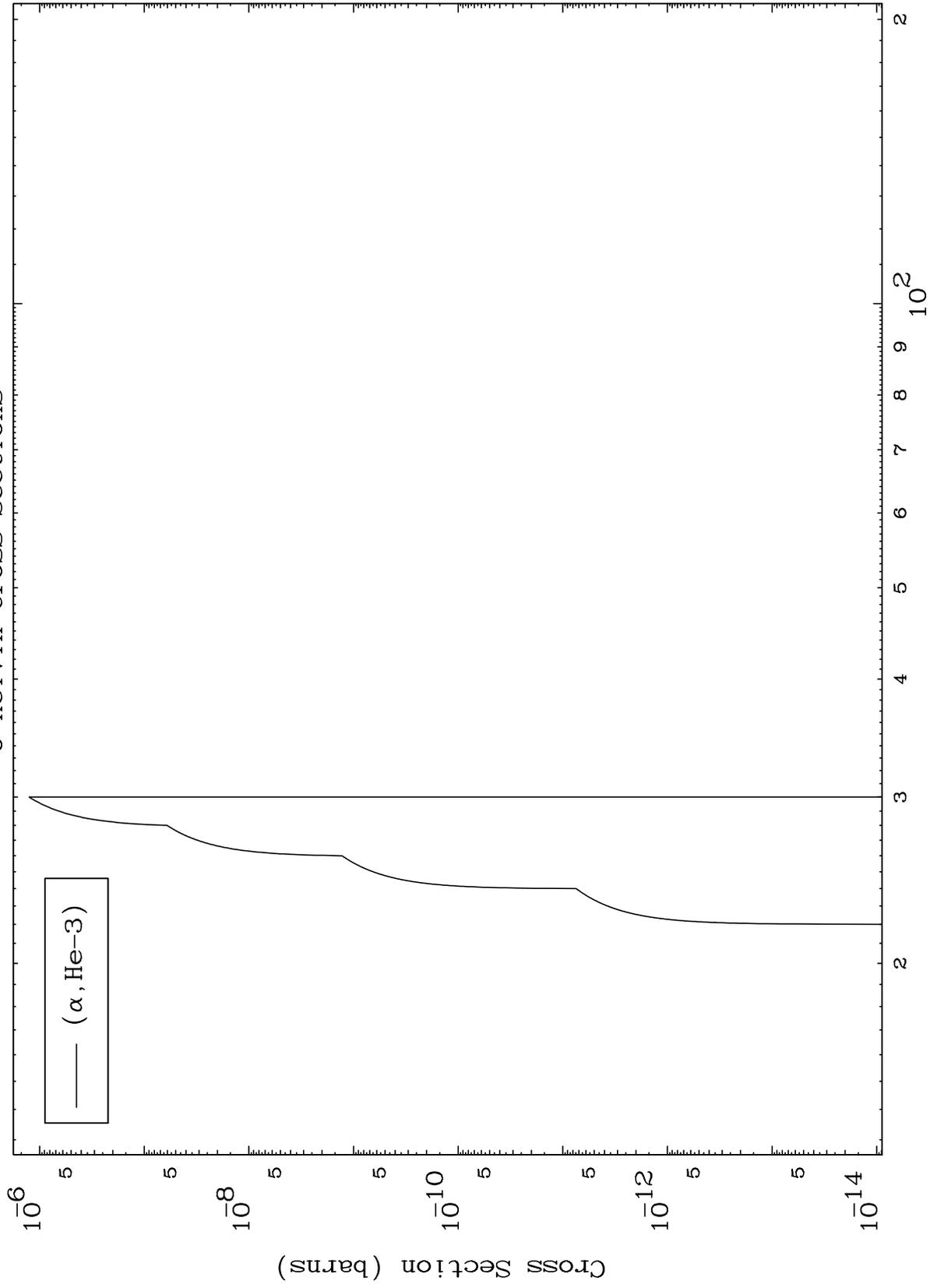
73-Ta-178



8

Incident Energy (MeV)

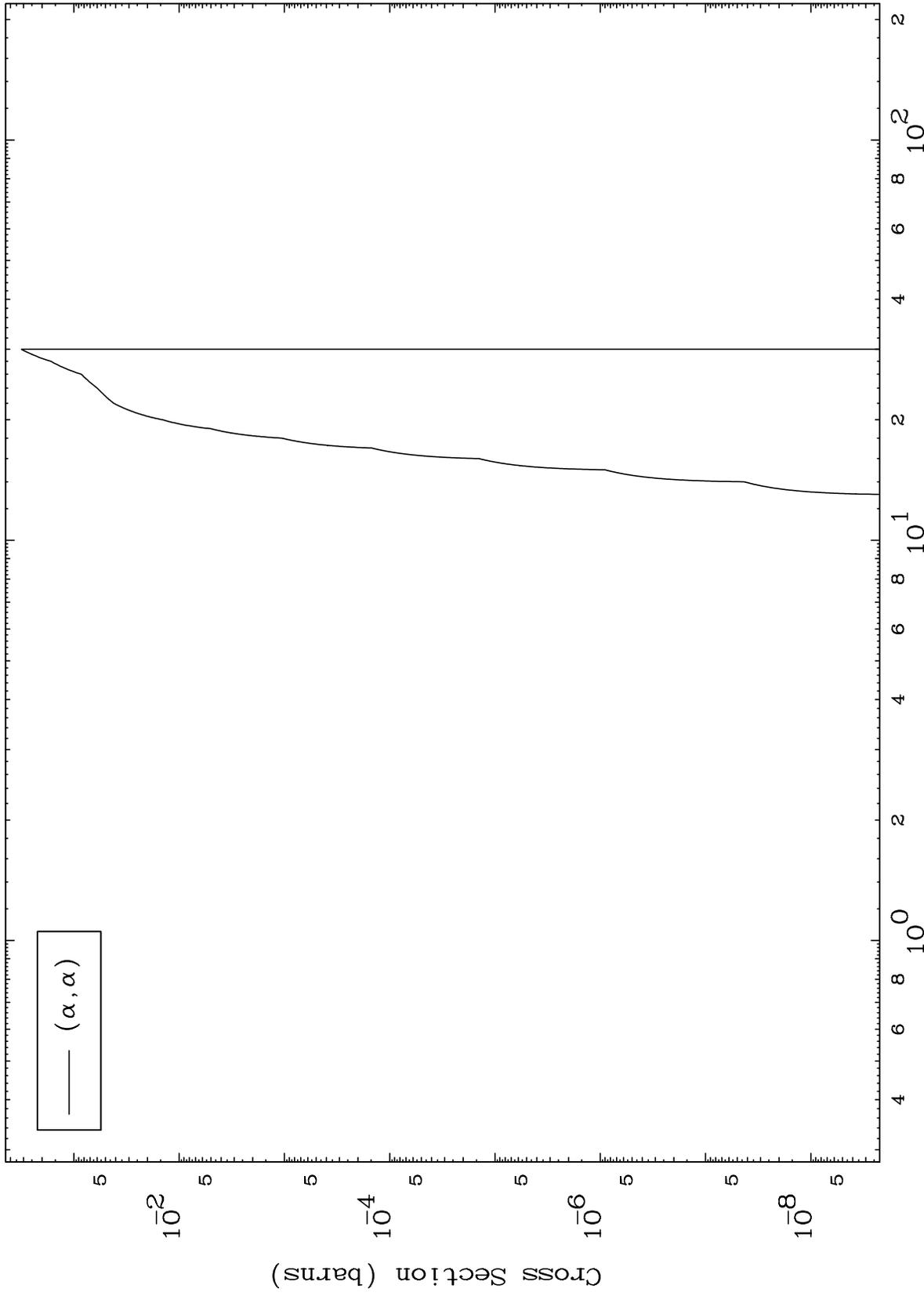
73-Ta-178



MAT 7319

(α, α) Levels
0 Kelvin Cross Sections

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



10

Incident Energy (MeV)

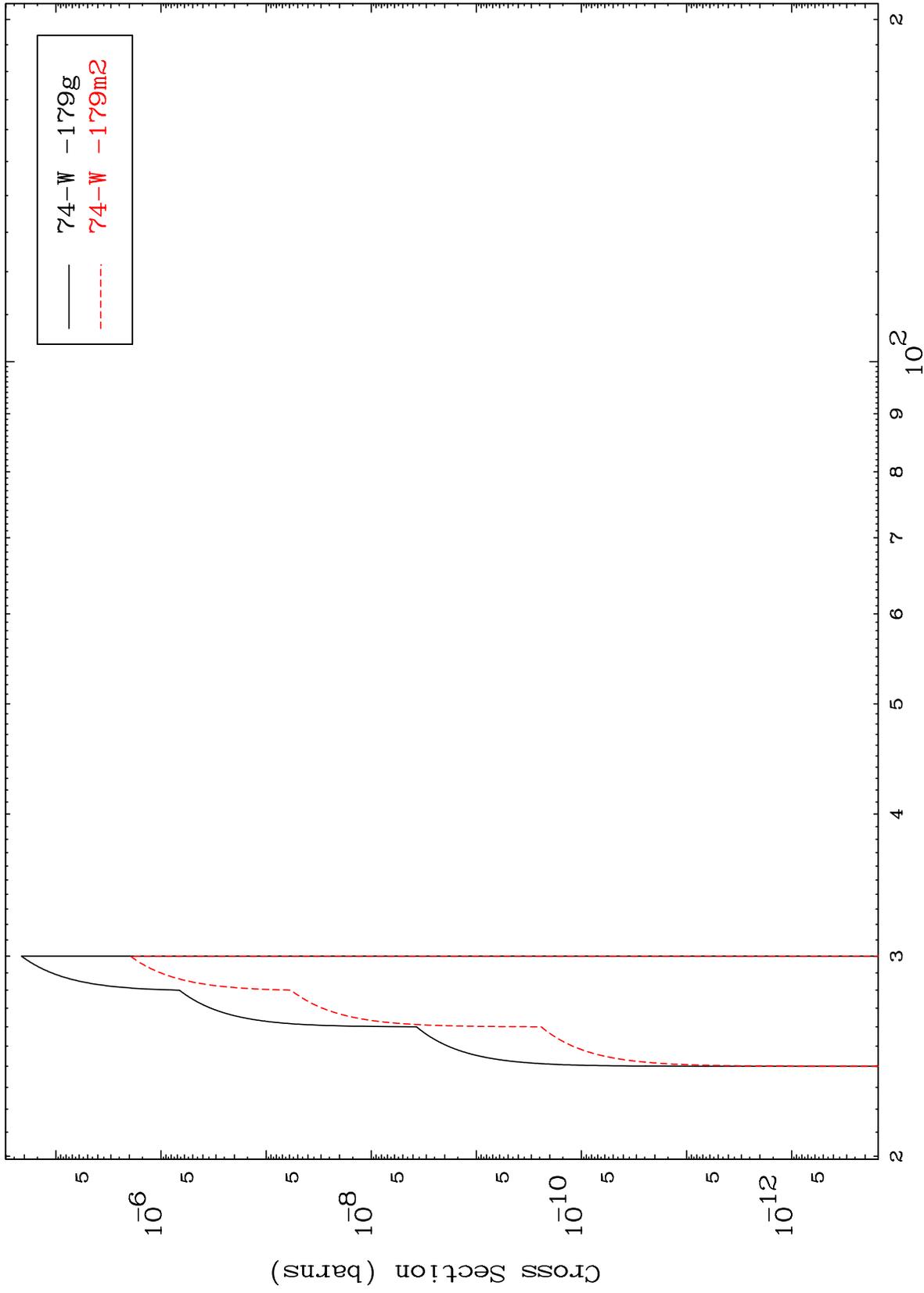
$^{73}\text{Ta-178}$

MAT 7319

(α, n') d

⁷³Ta-¹⁷⁸

Radionuclide Production Cross Section



11

Incident Energy (MeV)

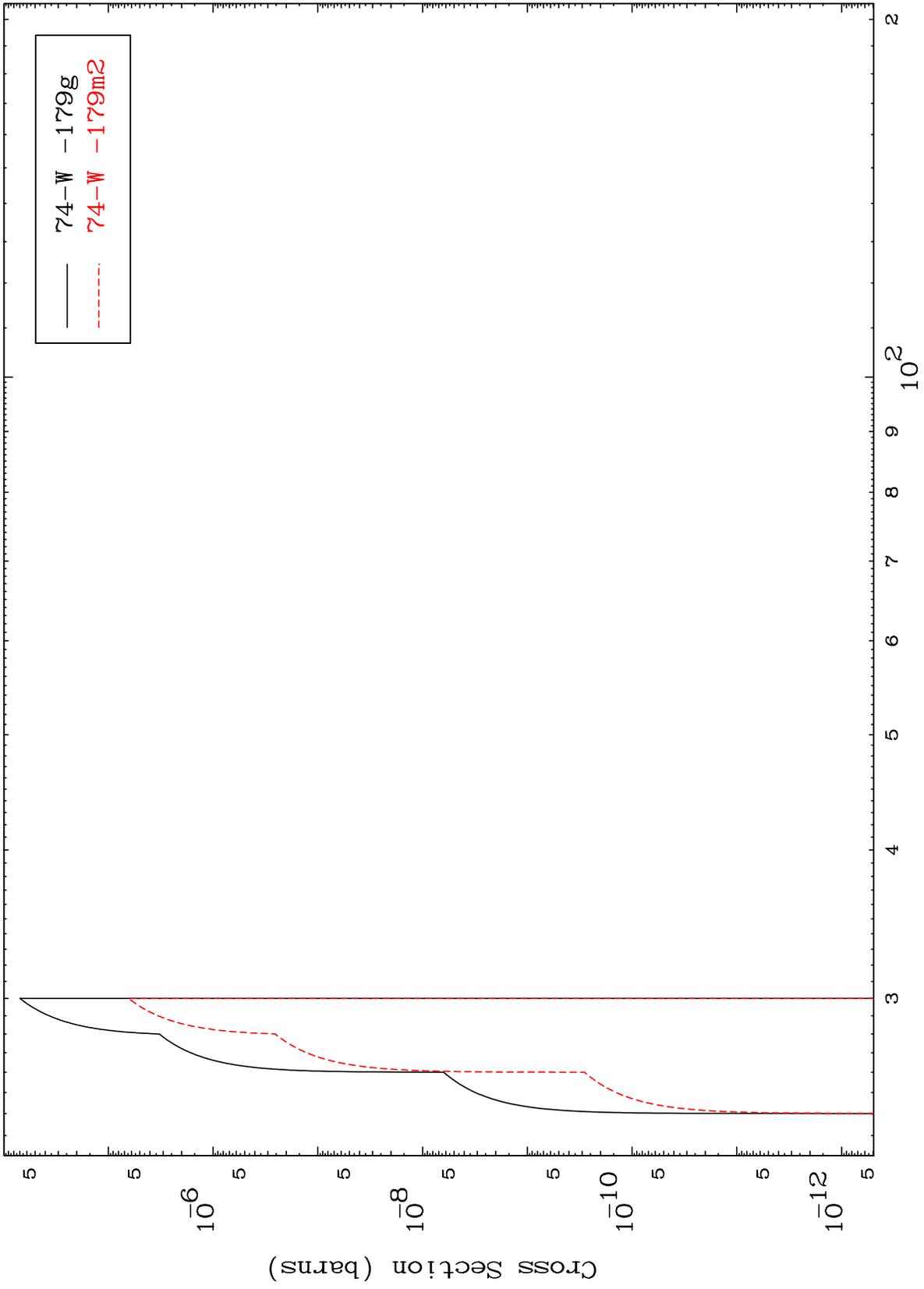
⁷³Ta-¹⁷⁸

MAT 7319

($\alpha, 2n$) p

⁷³Ta-178

Radionuclide Production Cross Section



12

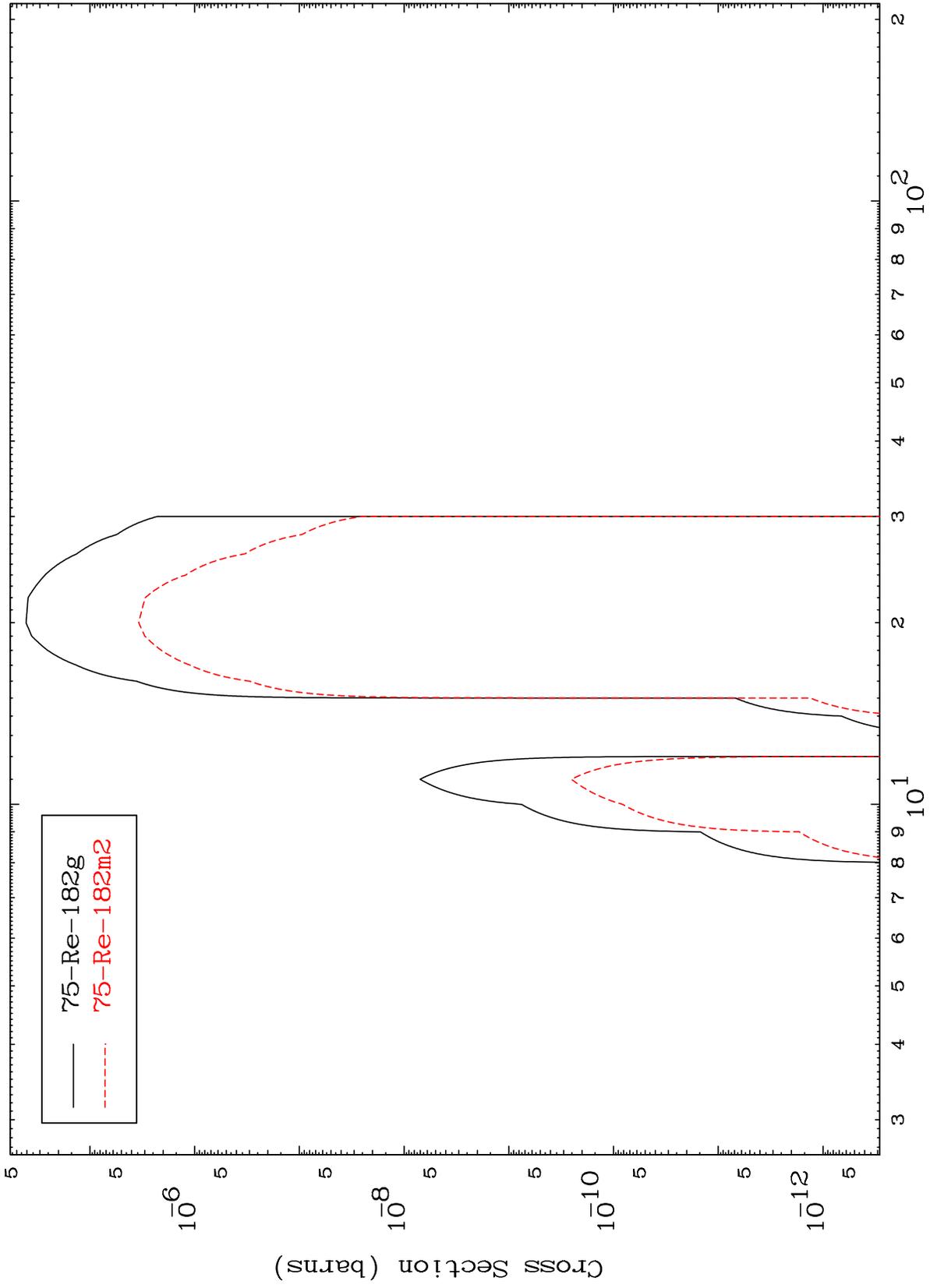
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

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

Radionuclide Production Cross Section



13

Incident Energy (MeV)

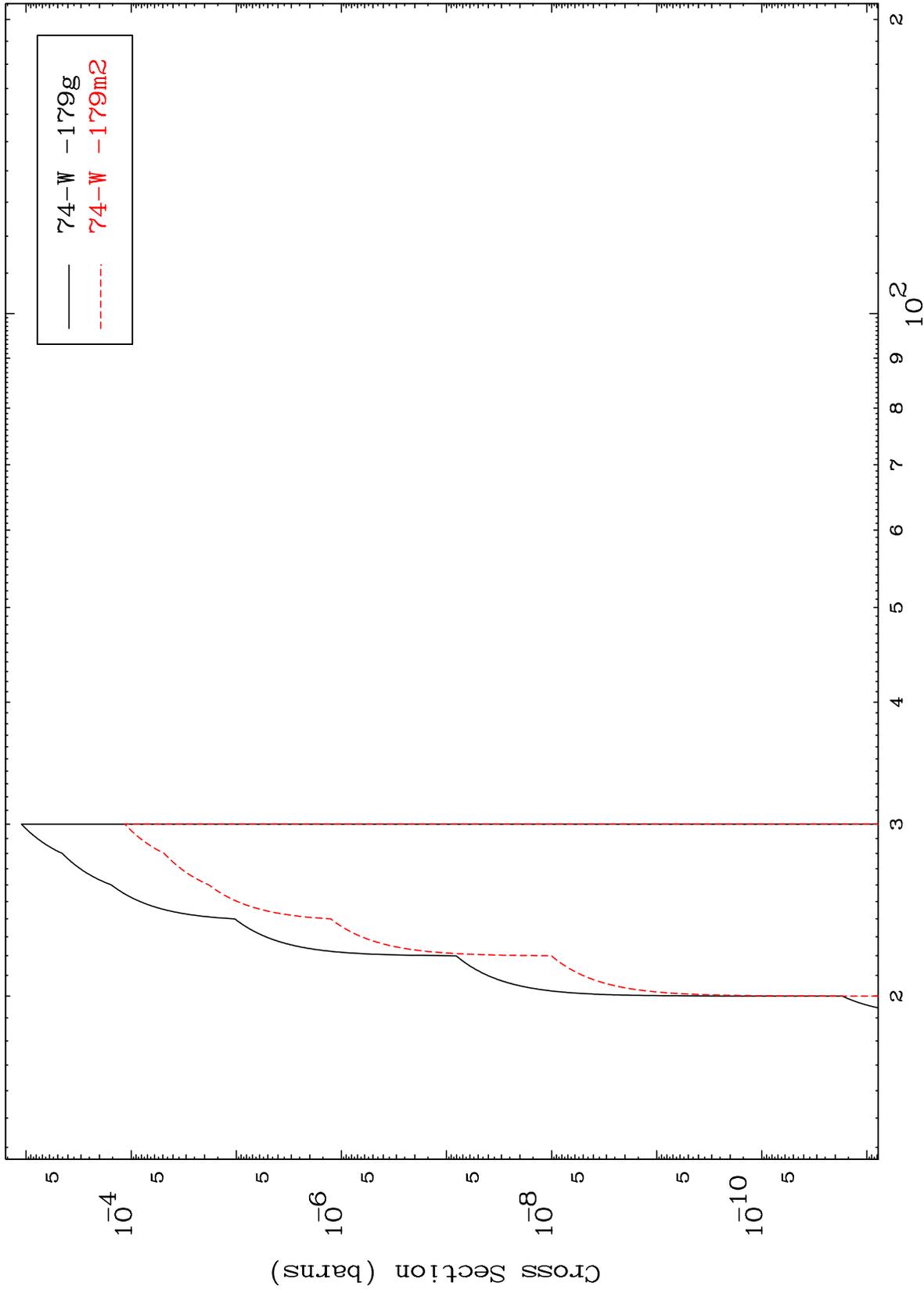
$^{73}\text{Ta-178}$

MAT 7319

(α, t)

⁷³Ta-178

Radionuclide Production Cross Section



14

Incident Energy (MeV)

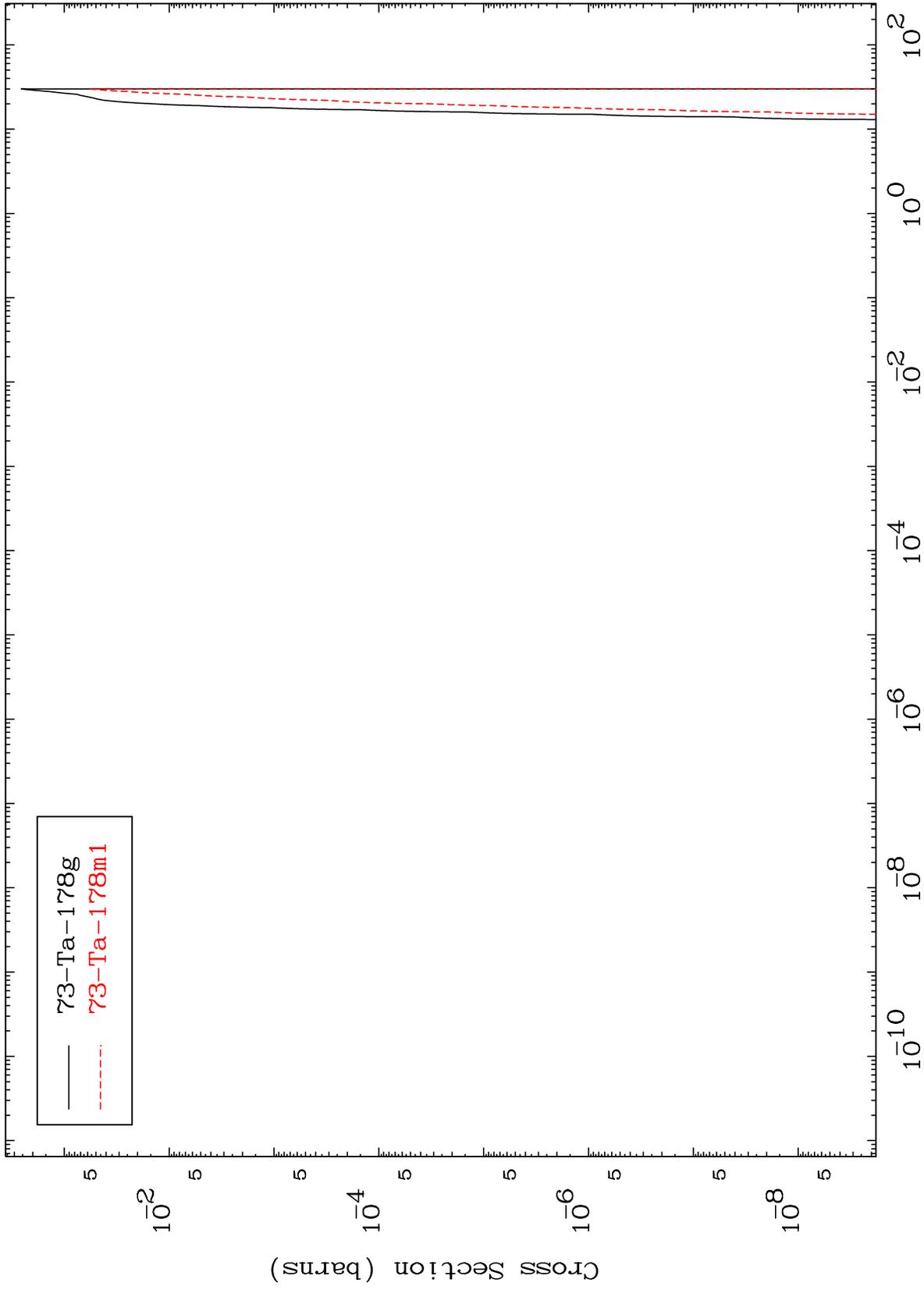
⁷³Ta-178

MAT 7319

(α, α)

⁷³Ta-178

Radionuclide Production Cross Section



15

Incident Energy (MeV)

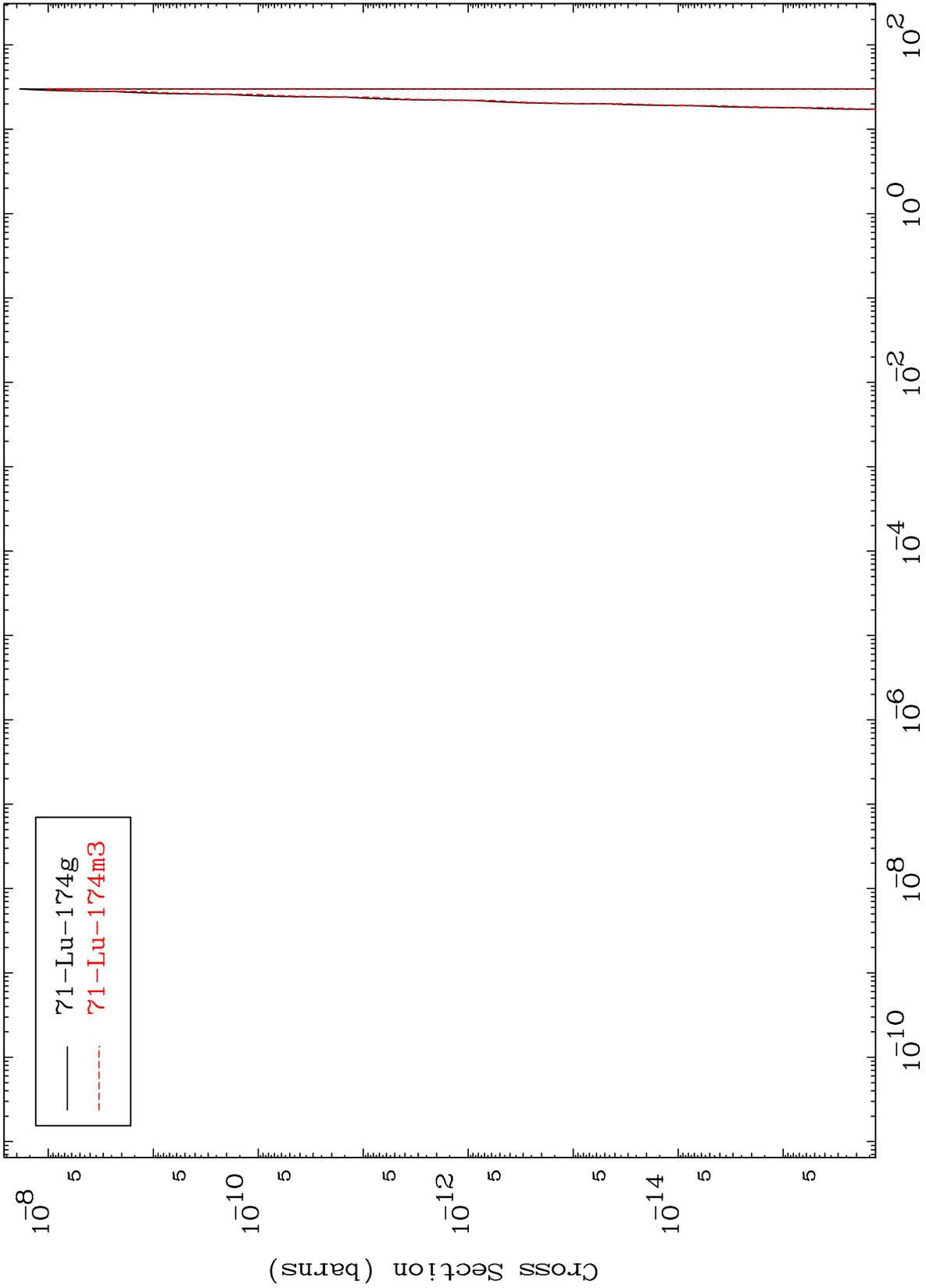
⁷³Ta-178

MAT 7319

($\alpha, 2\alpha$)

⁷³Ta-178

Radionuclide Production Cross Section

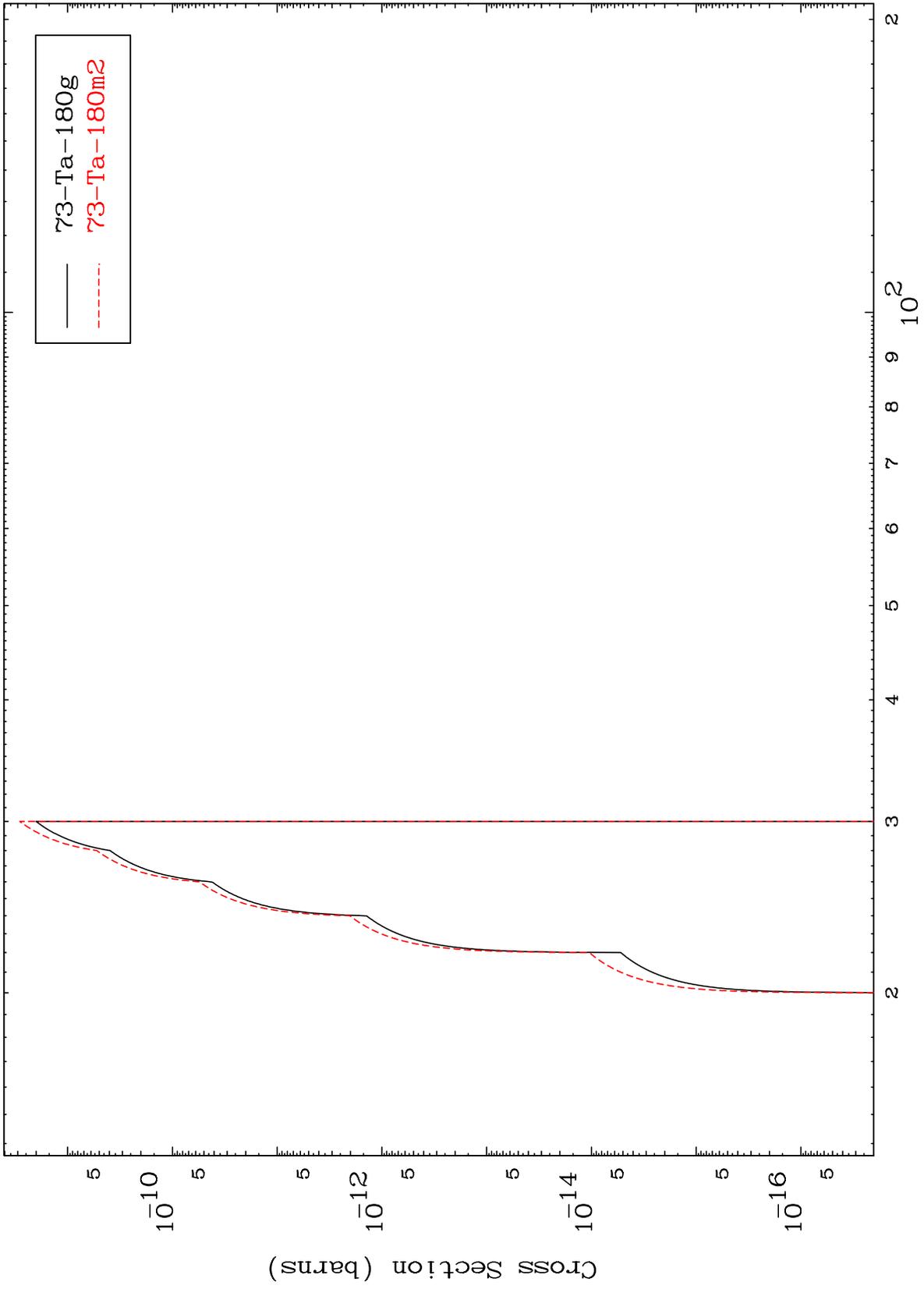


— ⁷¹Lu-174g
- - - ⁷¹Lu-174m3

MAT 7319

73-Ta-178

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



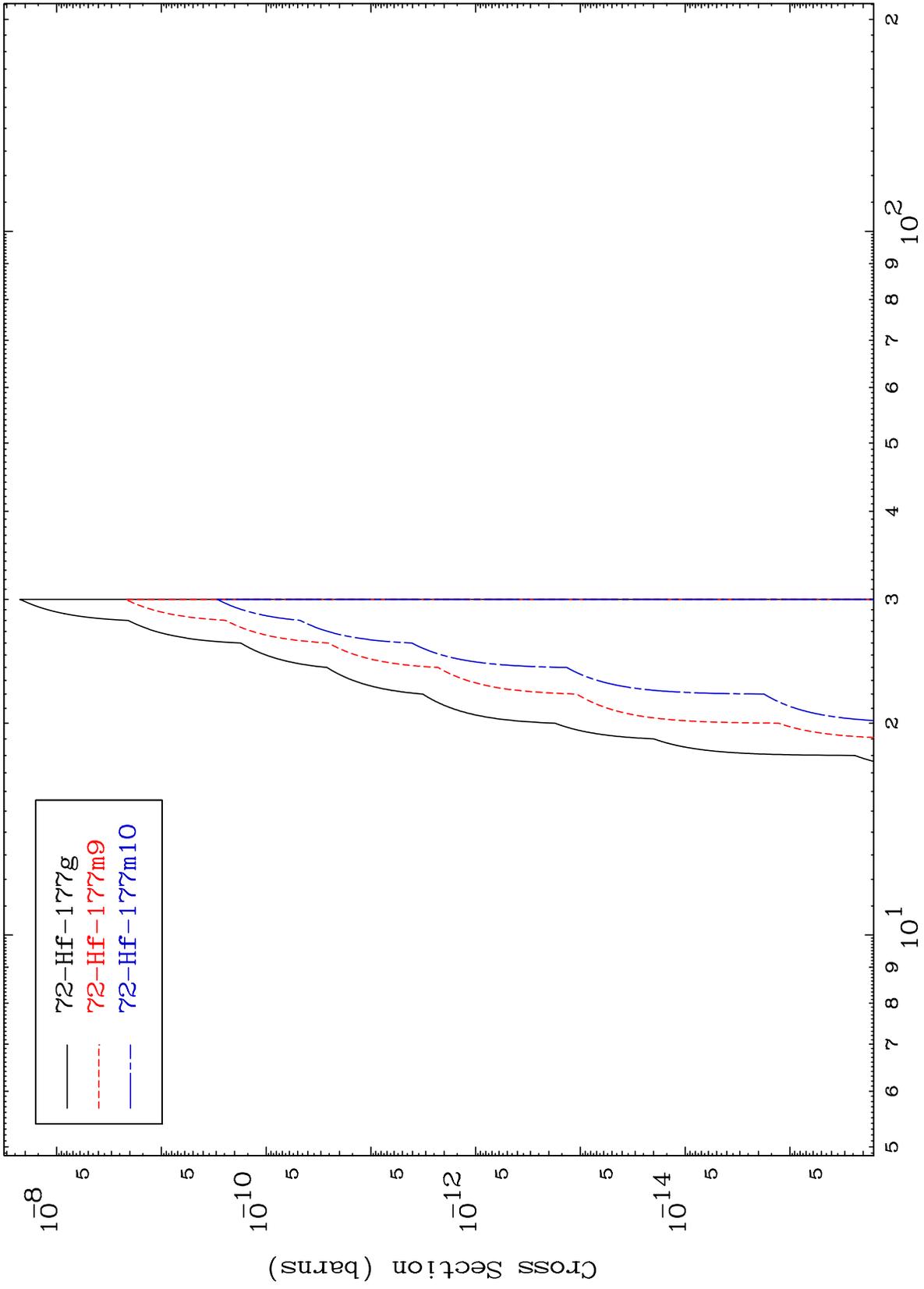
17

73-Ta-178

MAT 7319

⁷³Ta-178

(α, p) α
Radionuclide Production Cross Section



72-Hf-177g
72-Hf-177m9
72-Hf-177m10