

Program EVALPLOT
(Version 2018-1)

by

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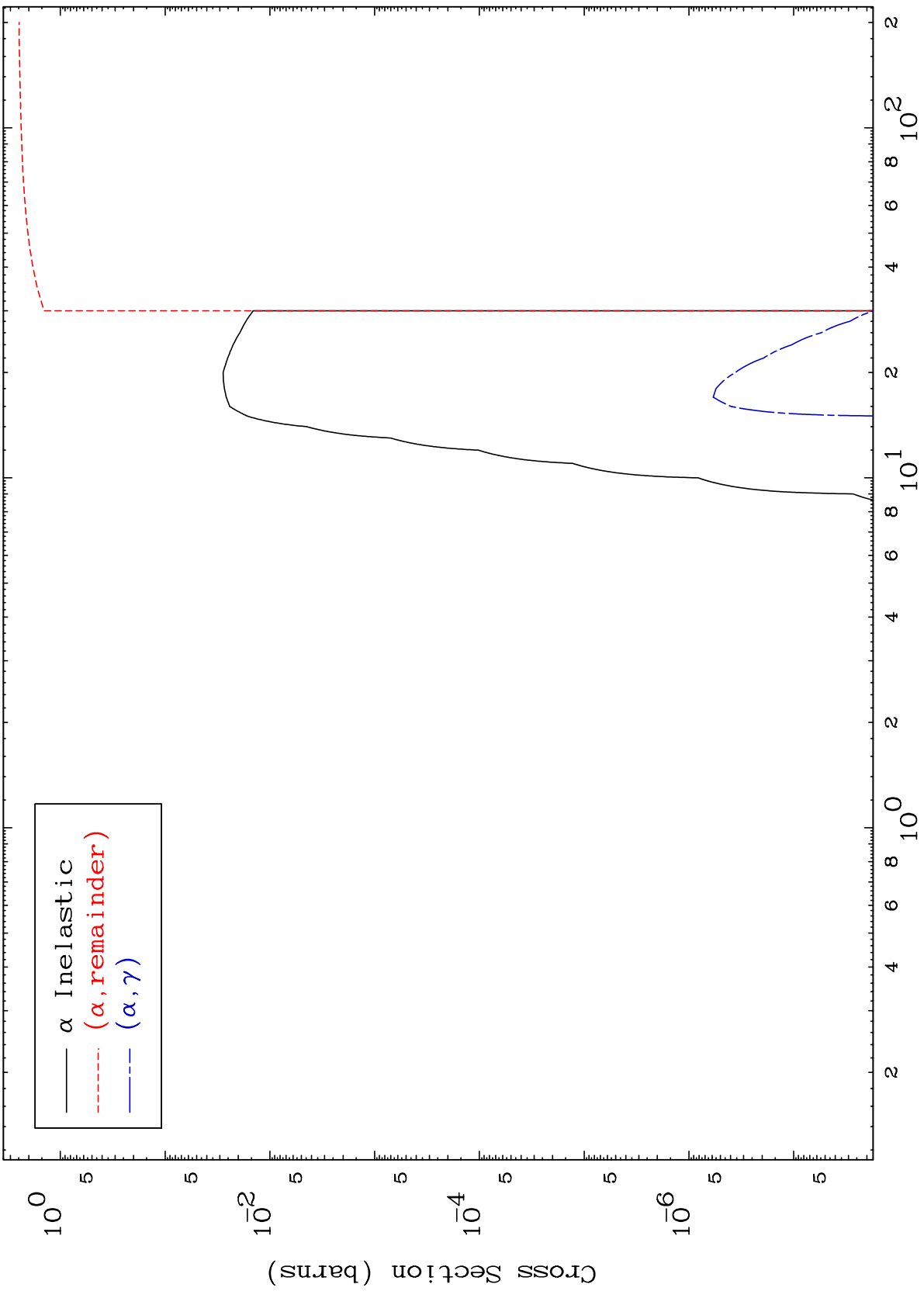
Press Mouse Button to Start

MAT 6170

α Major

61-Pm-154

0 Kelvin Cross Sections

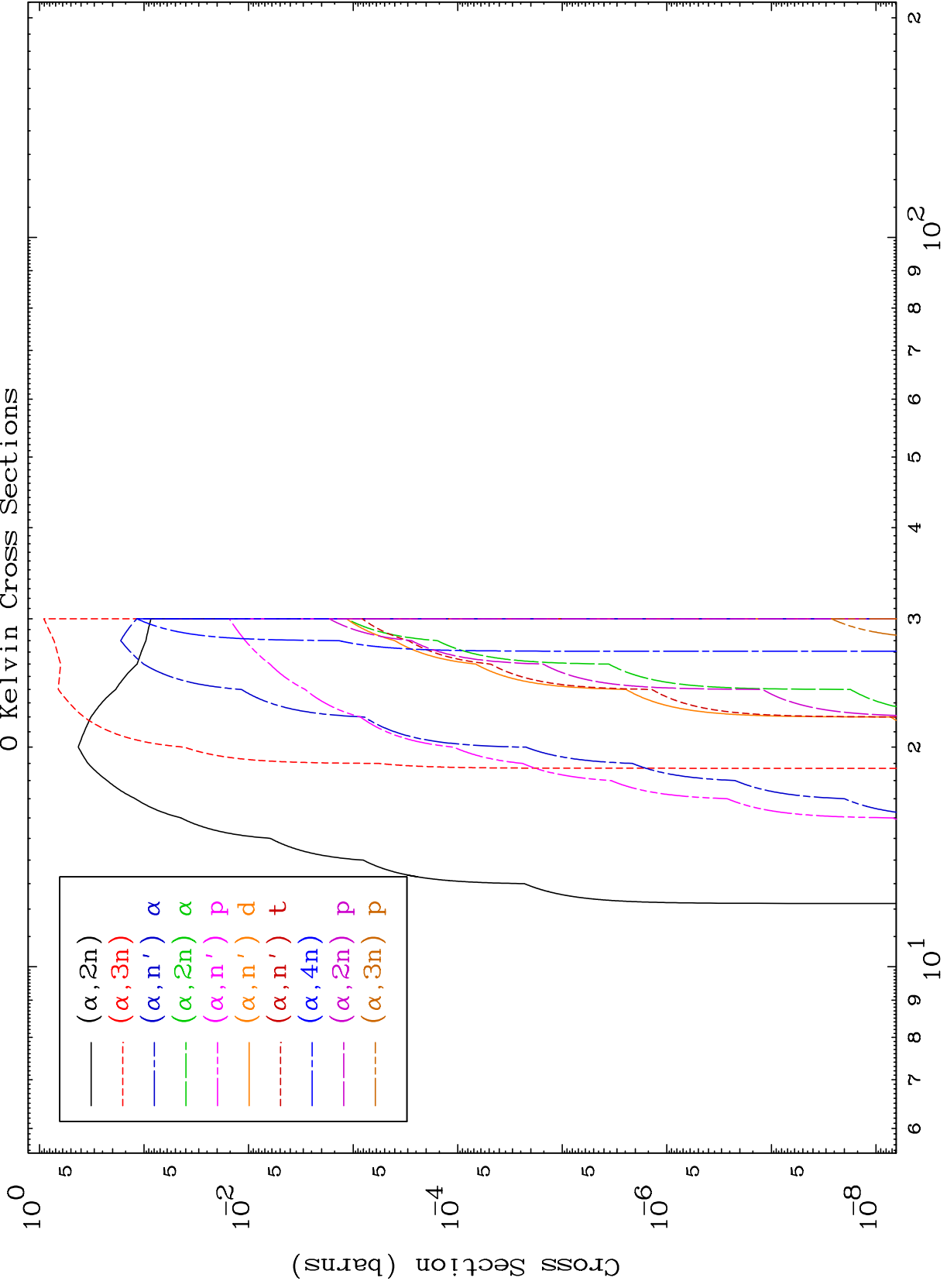


α Inelastic
 $(\alpha, \text{remainder})$
 (α, γ)

MAT 6170

α Neutron Production
0 Kelvin Cross Sections

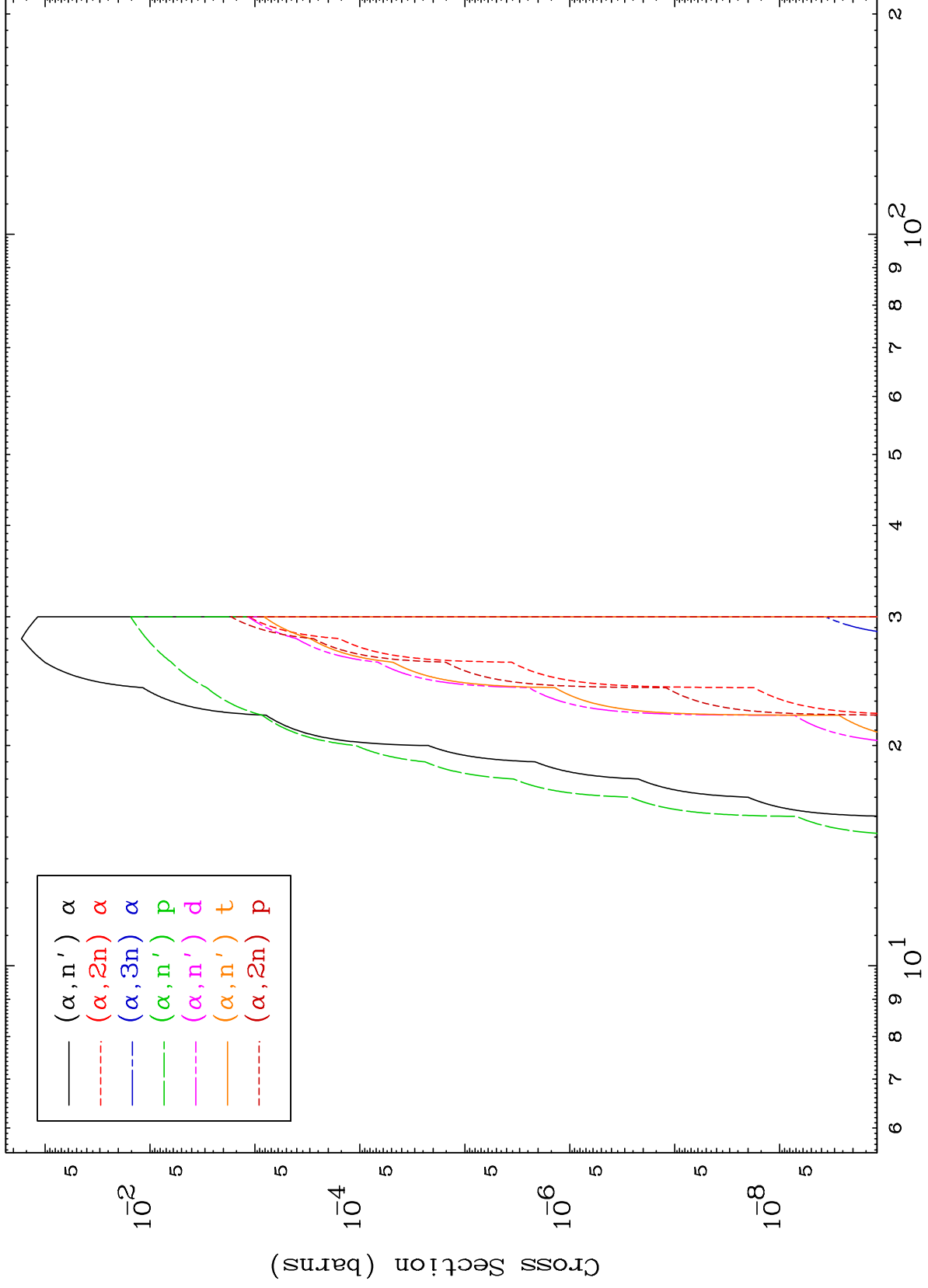
61-Pm-154



2

Incident Energy (MeV)

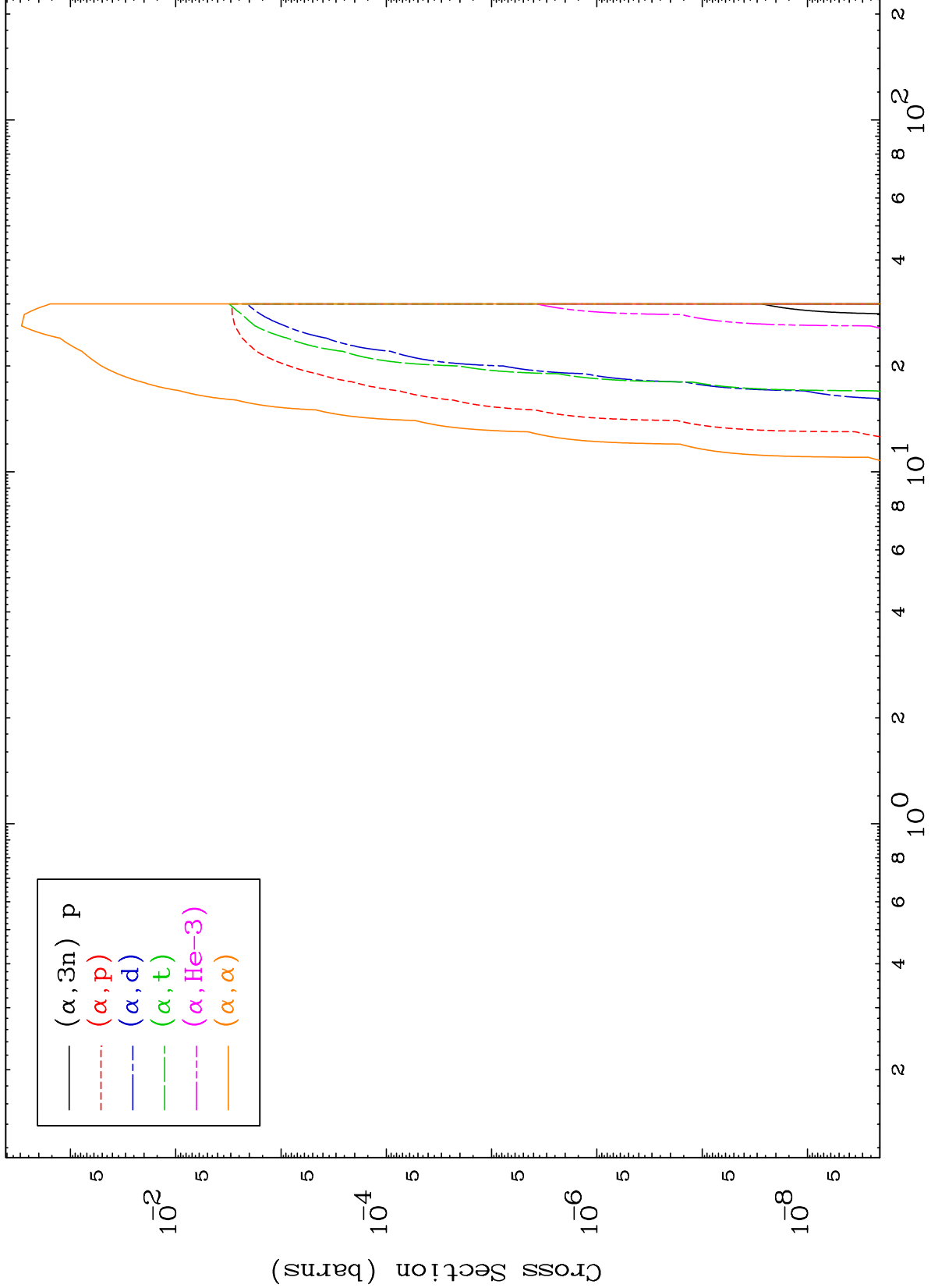
61-Pm-154



MAT 6170

α Charged Particle
0 Kelvin Cross Sections

61-Pm-154

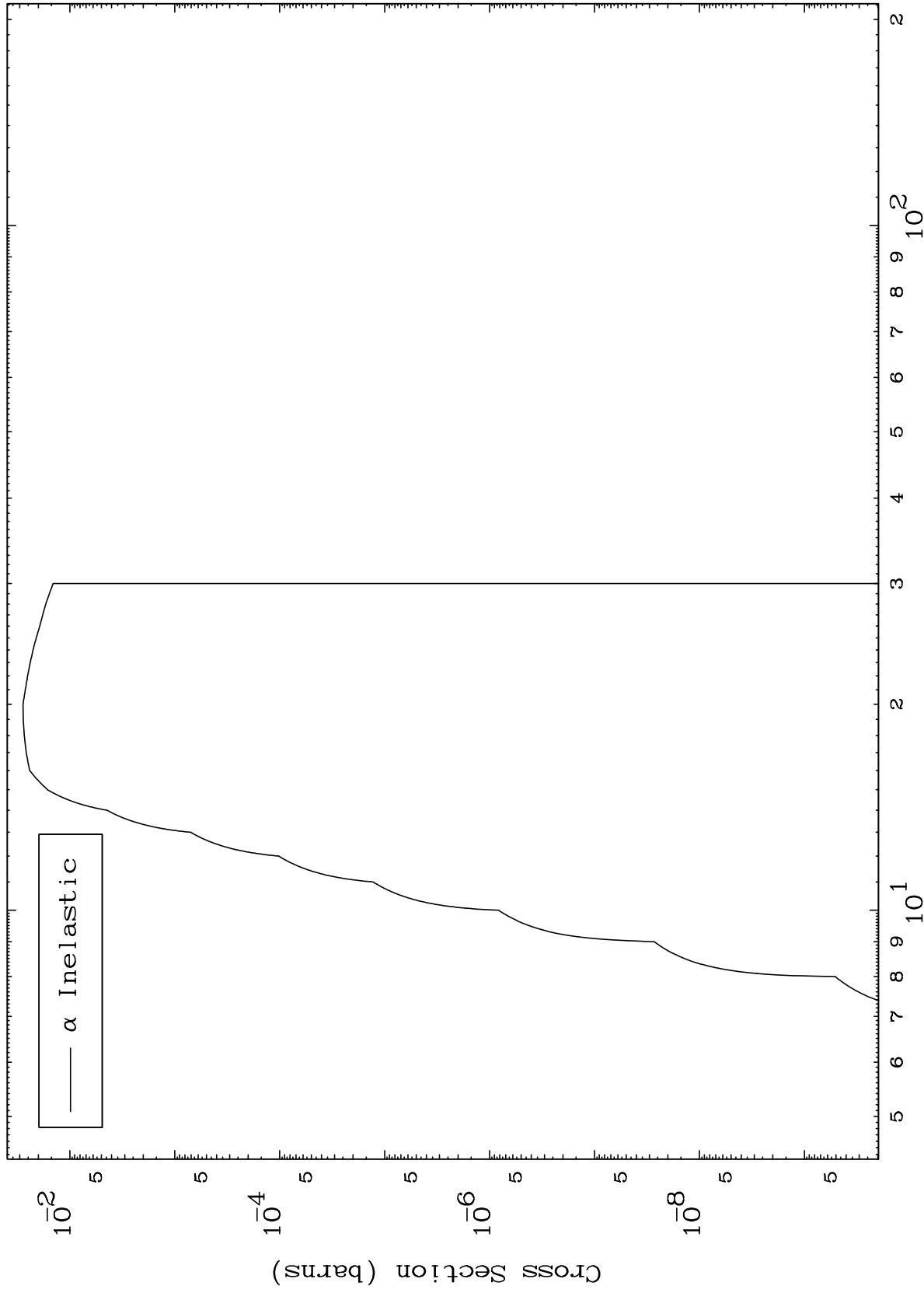


MAT 6170

(α, n') Level

61-Pm-154

0 Kelvin Cross Sections



5

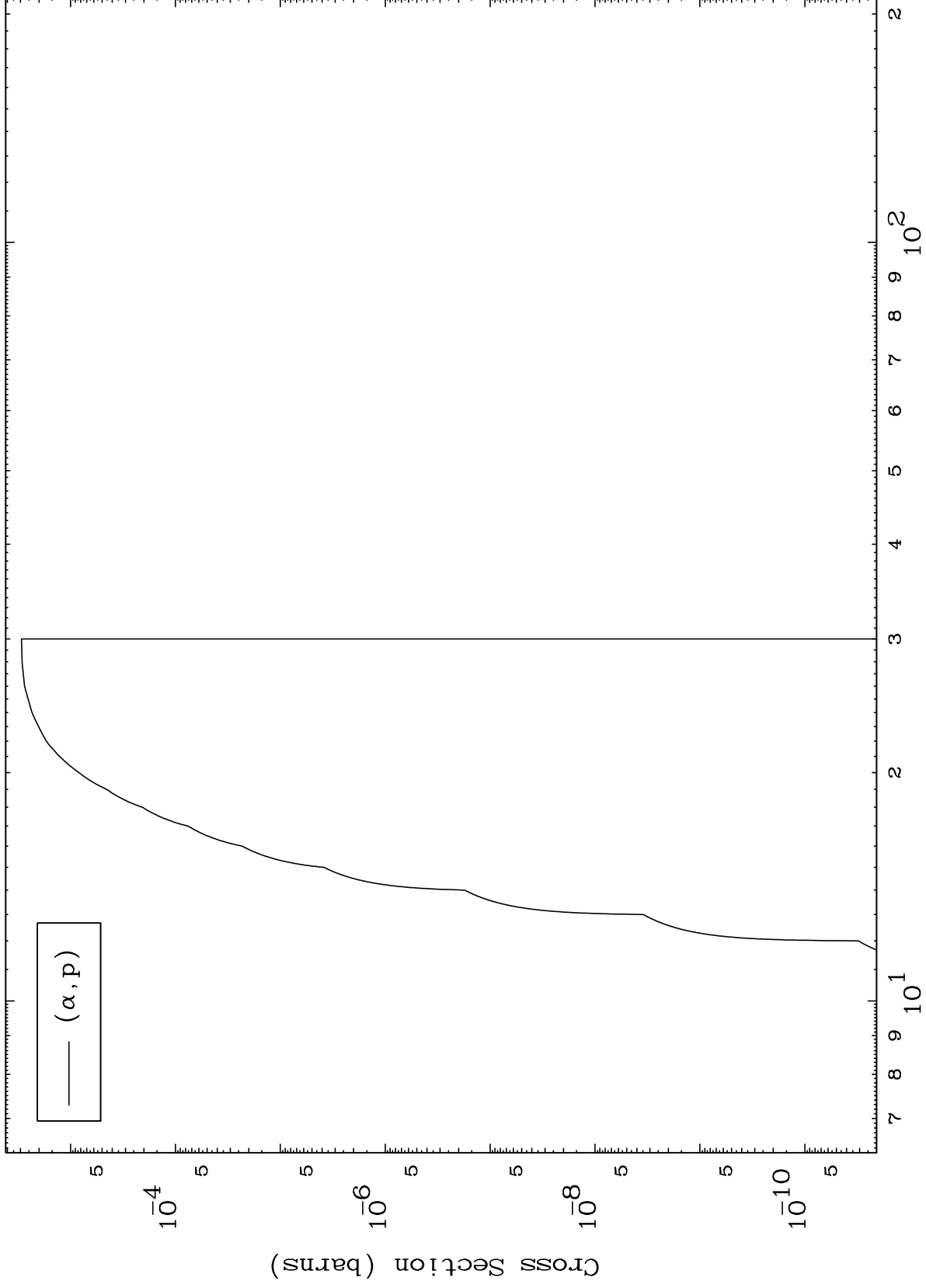
Incident Energy (MeV)

61-Pm-154

MAT 6170

(α, p) Levels
0 Kelvin Cross Sections

61-Pm-154



6

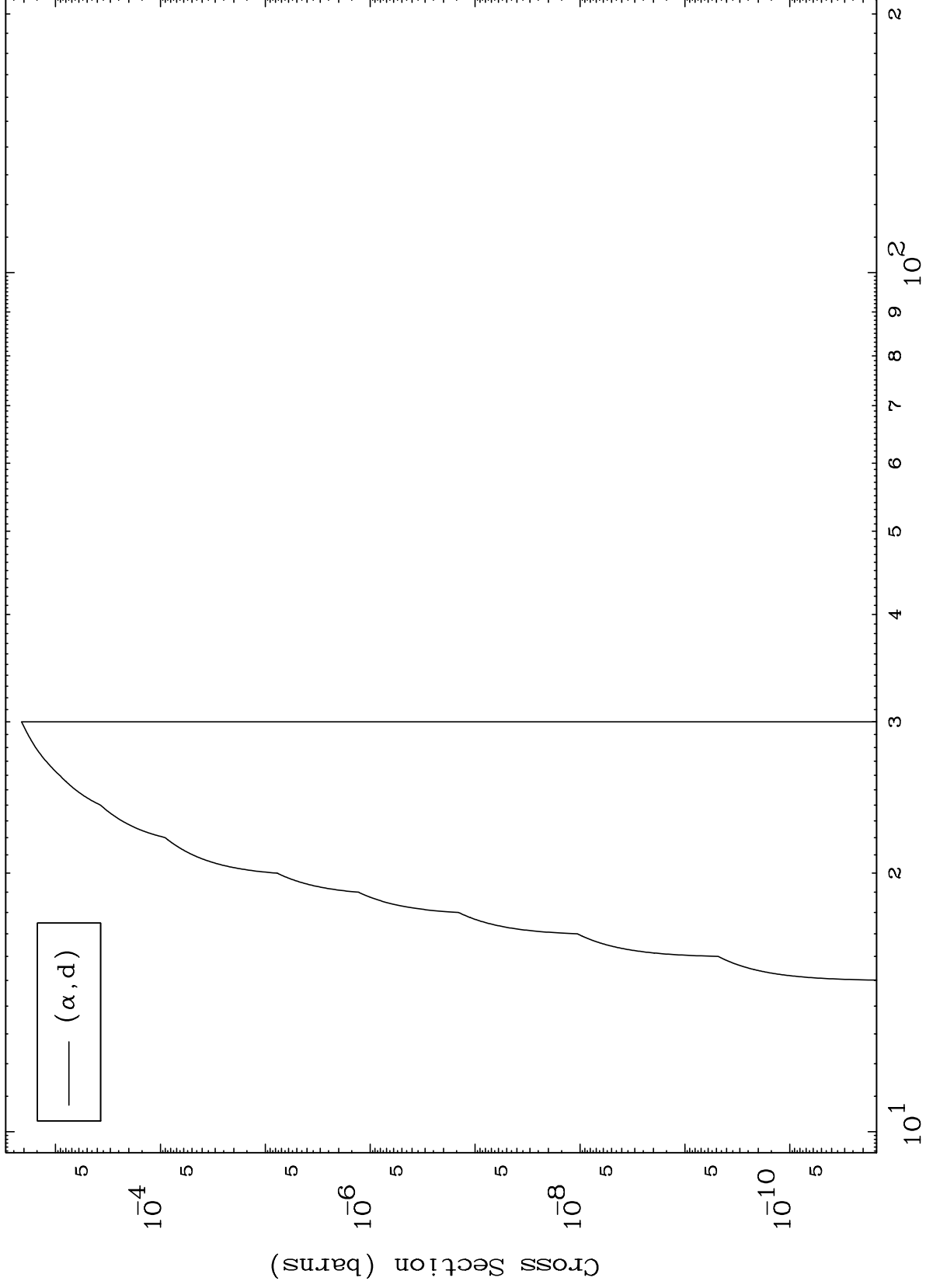
Incident Energy (MeV)

61-Pm-154

MAT 6170

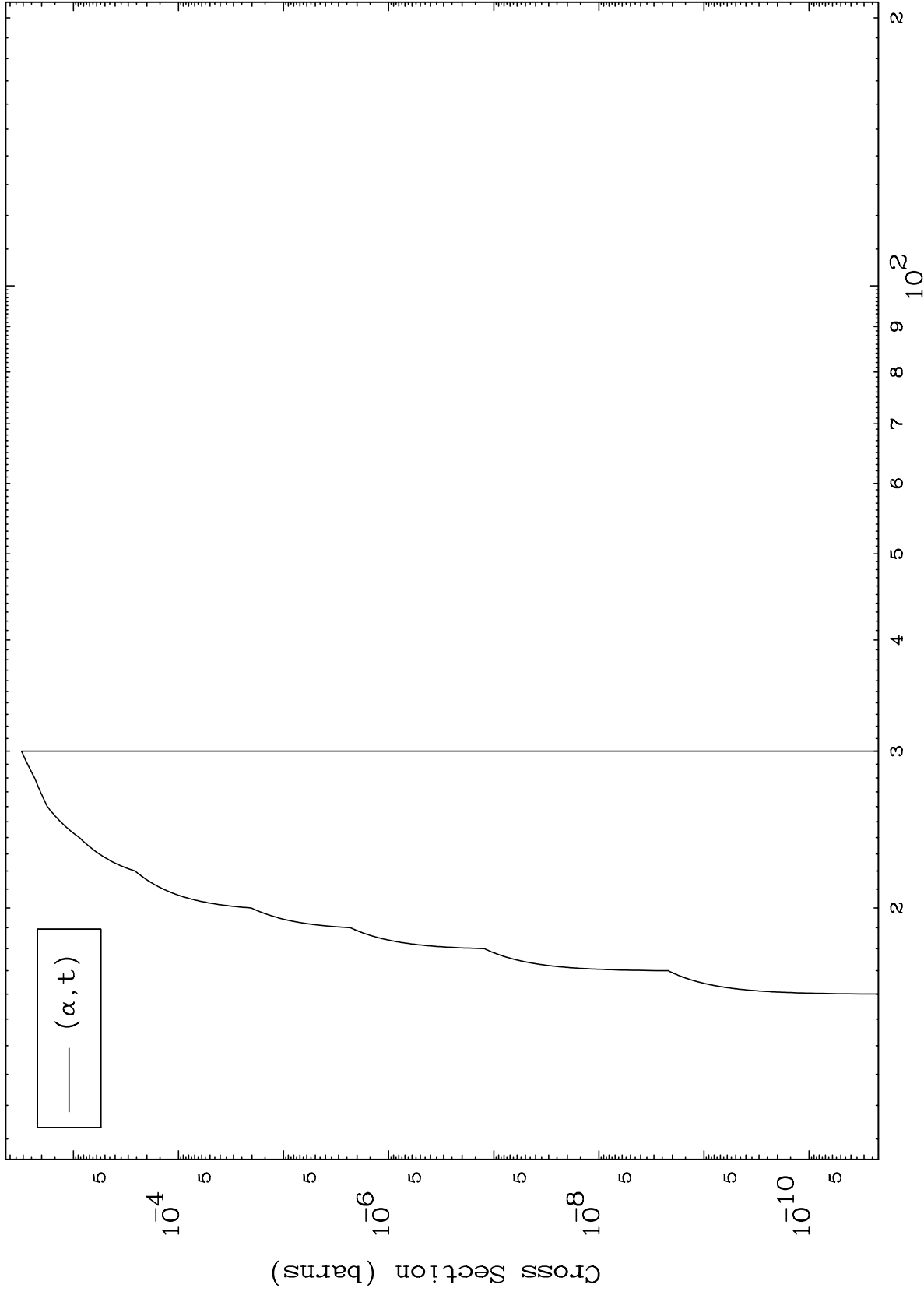
(α, d) Levels
0 Kelvin Cross Sections

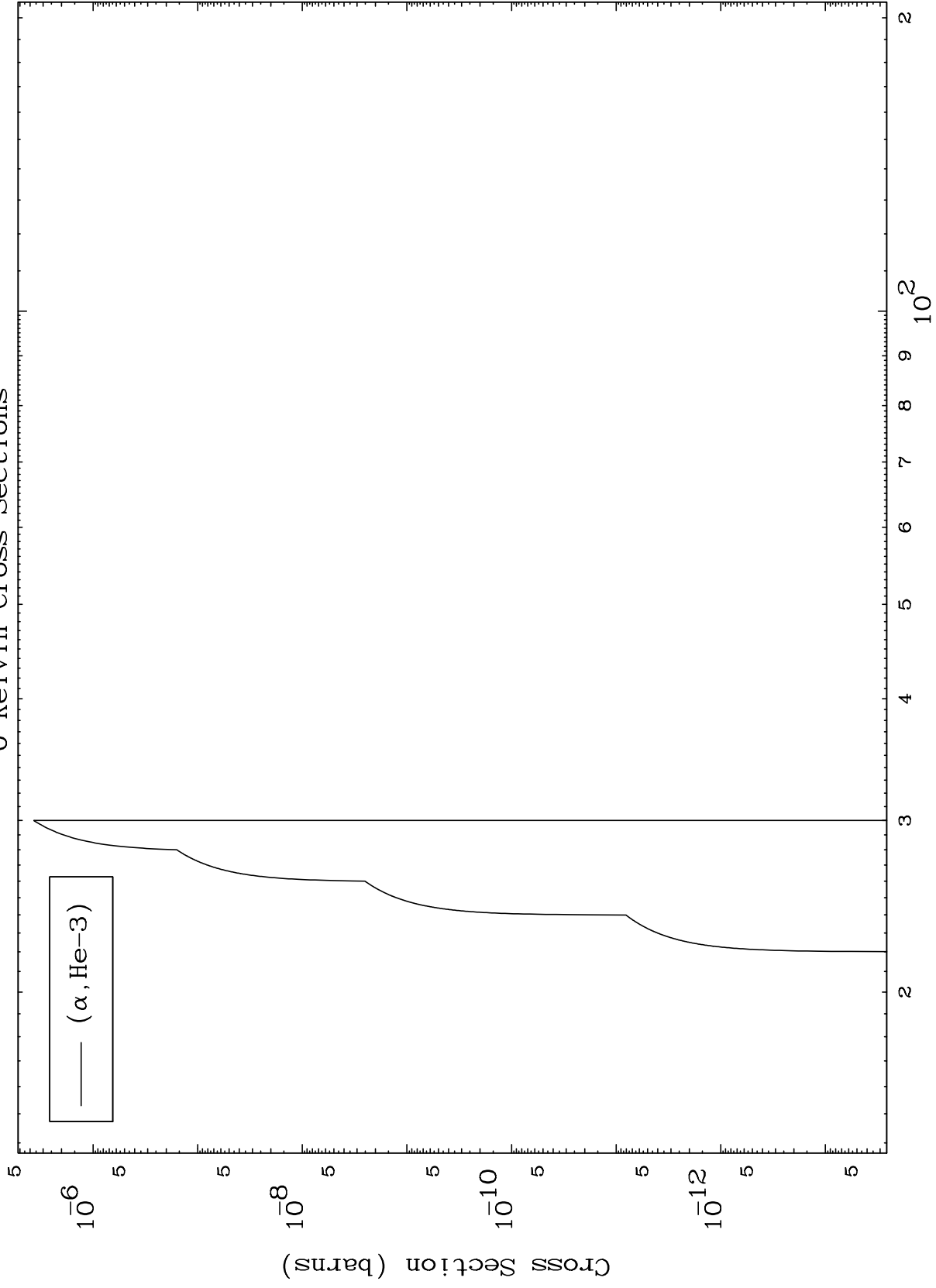
61-Pm-154



Incident Energy (MeV)

61-Pm-154



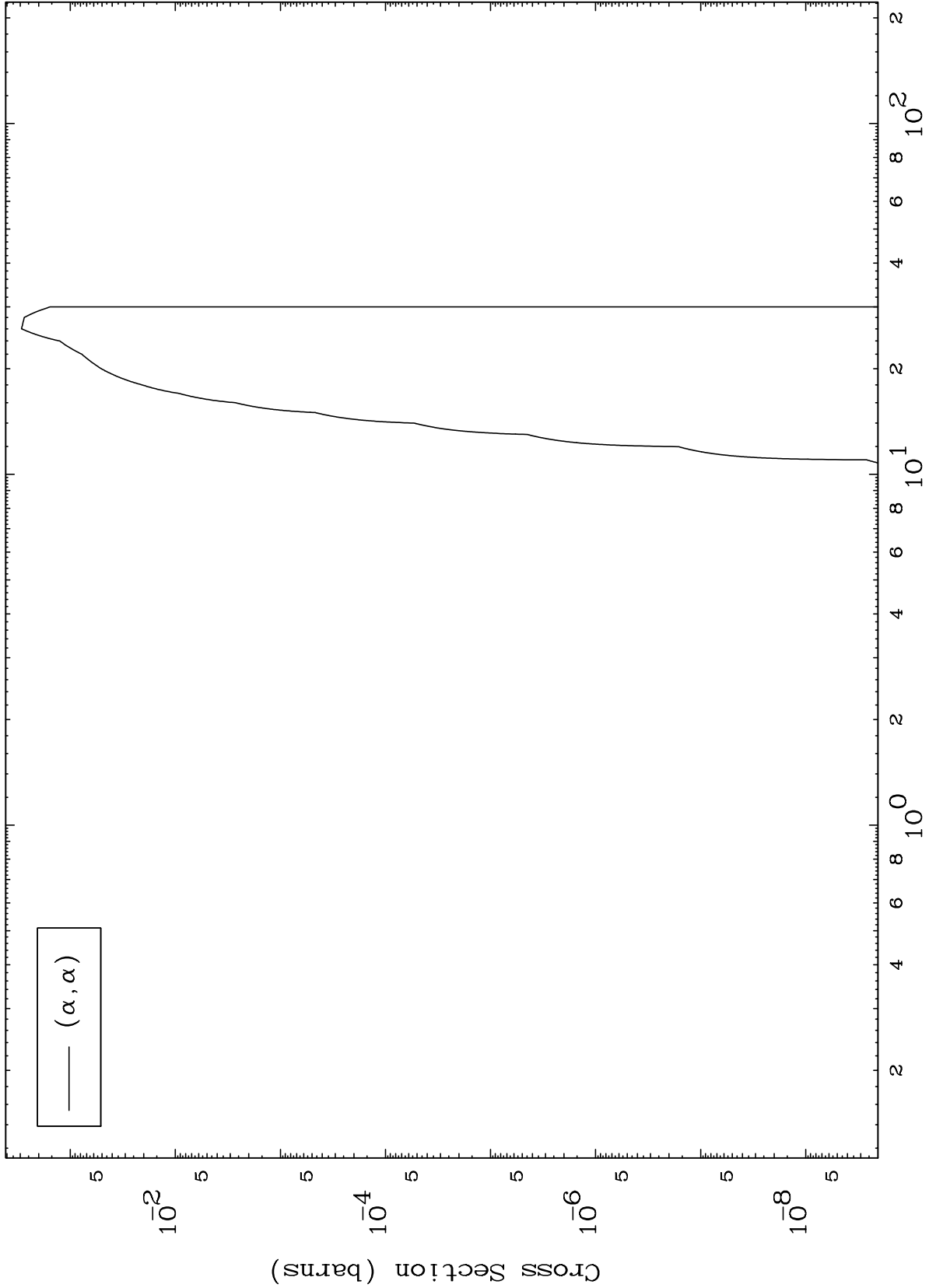


MAT 6170

(α, α) Levels

61-Pm-154

0 Kelvin Cross Sections



10

Incident Energy (MeV)

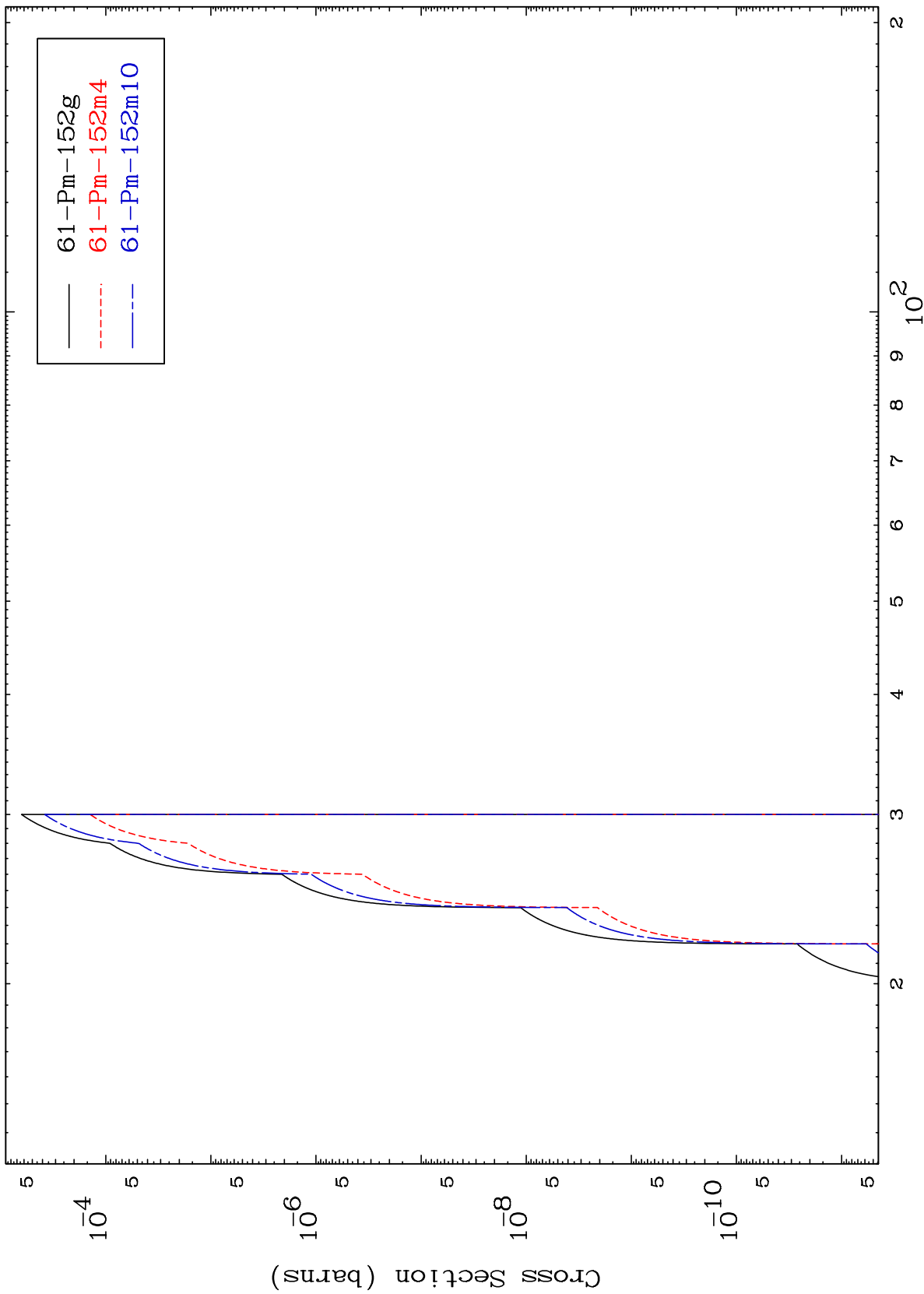
61-Pm-154

MAT 6170

$(\alpha, 2n)$ α

61-Pm-154

Radionuclide Production Cross Section



11

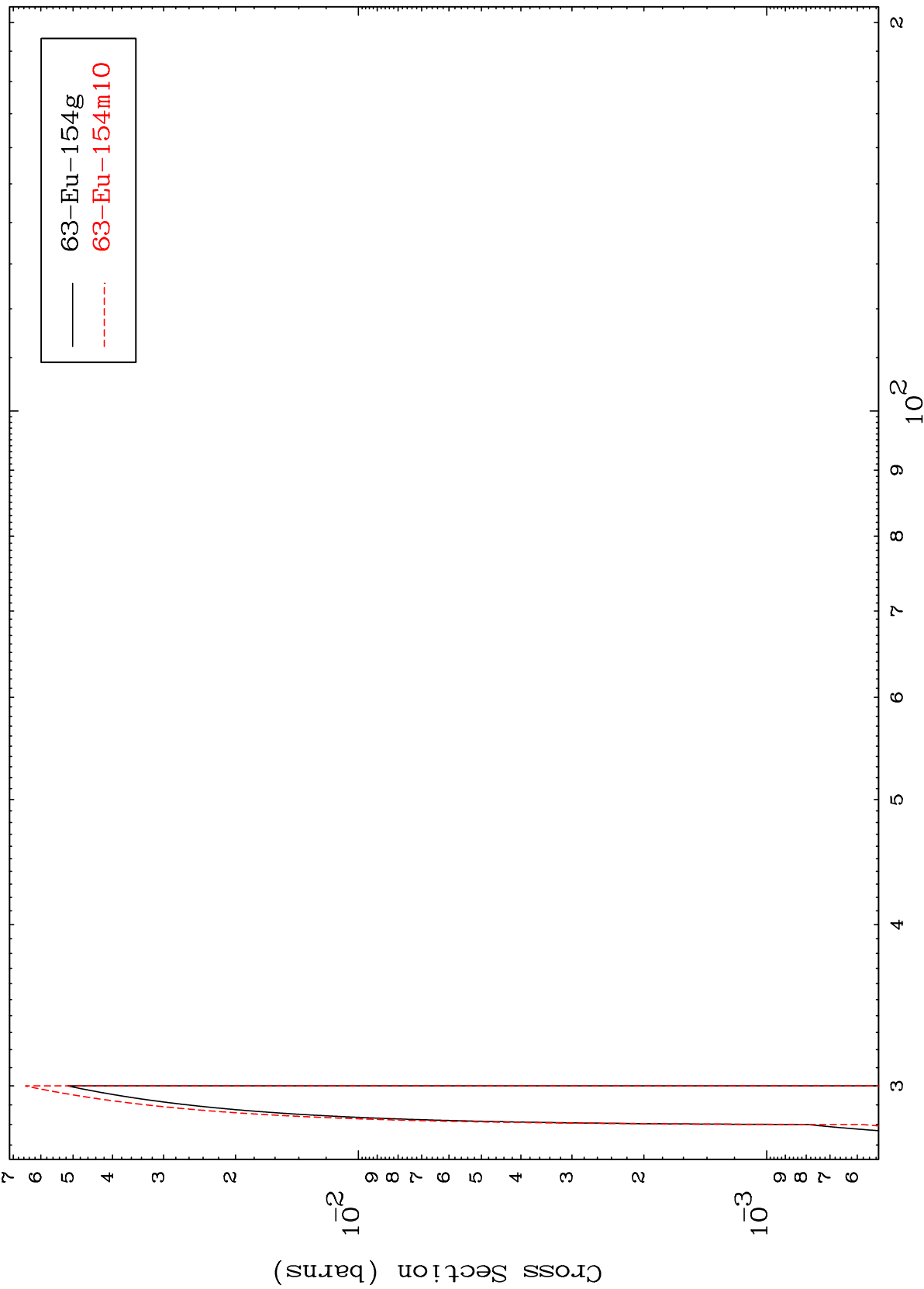
Incident Energy (MeV)

61-Pm-154

MAT 6170

61-Pm-154

$(\alpha, 4n)$
Radionuclide Production Cross Section



63-Eu-154g
63-Eu-154m10

12

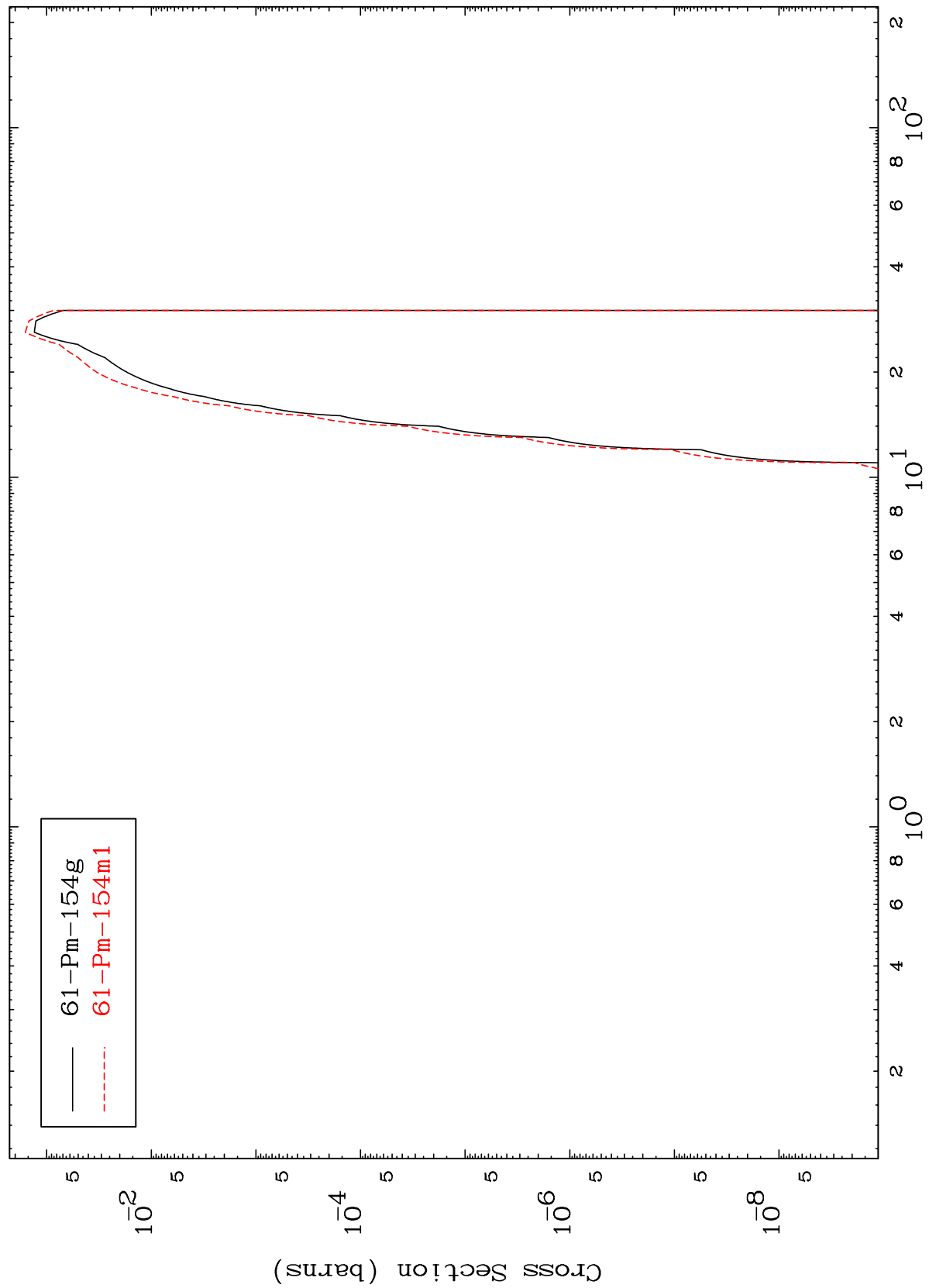
61-Pm-154

Incident Energy (MeV)

MAT 6170

61-Pm-154

Radionuclide Production Cross Section
(α, α)



13

61-Pm-154

Incident Energy (MeV)