

Program EVALPLOT
(Version 2018-1)

by

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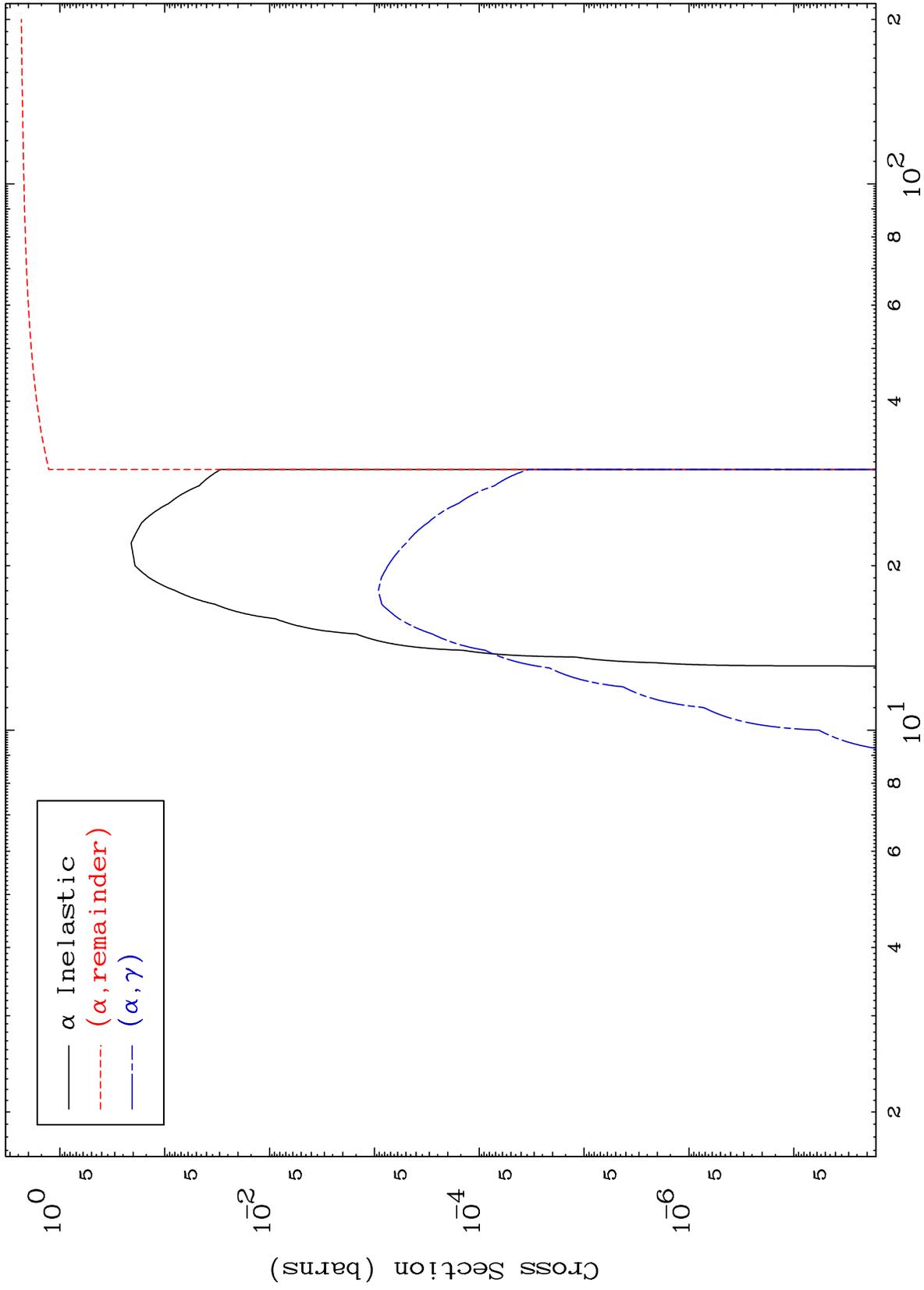
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6119

0 Kelvin α Major
Cross Sections

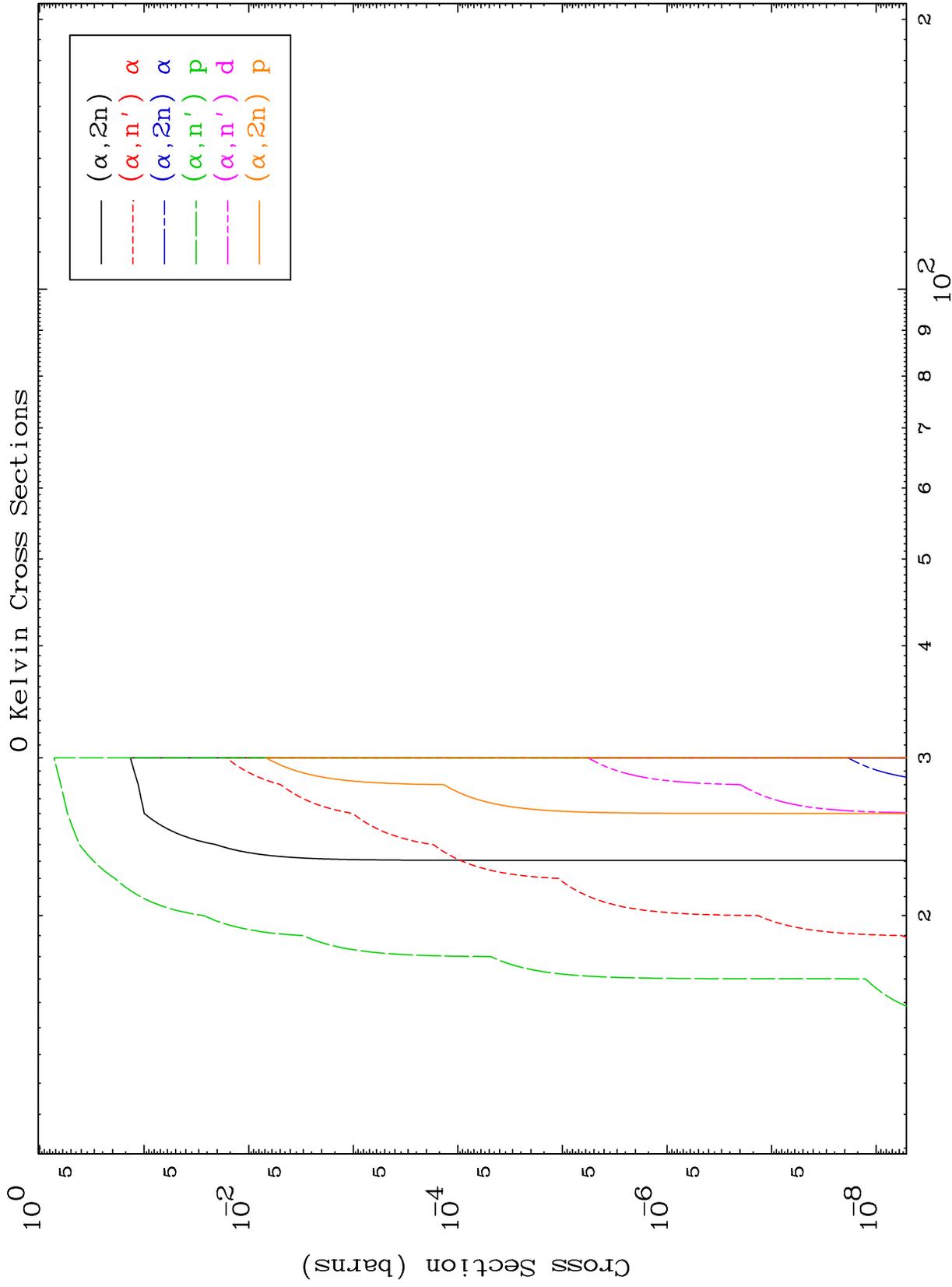
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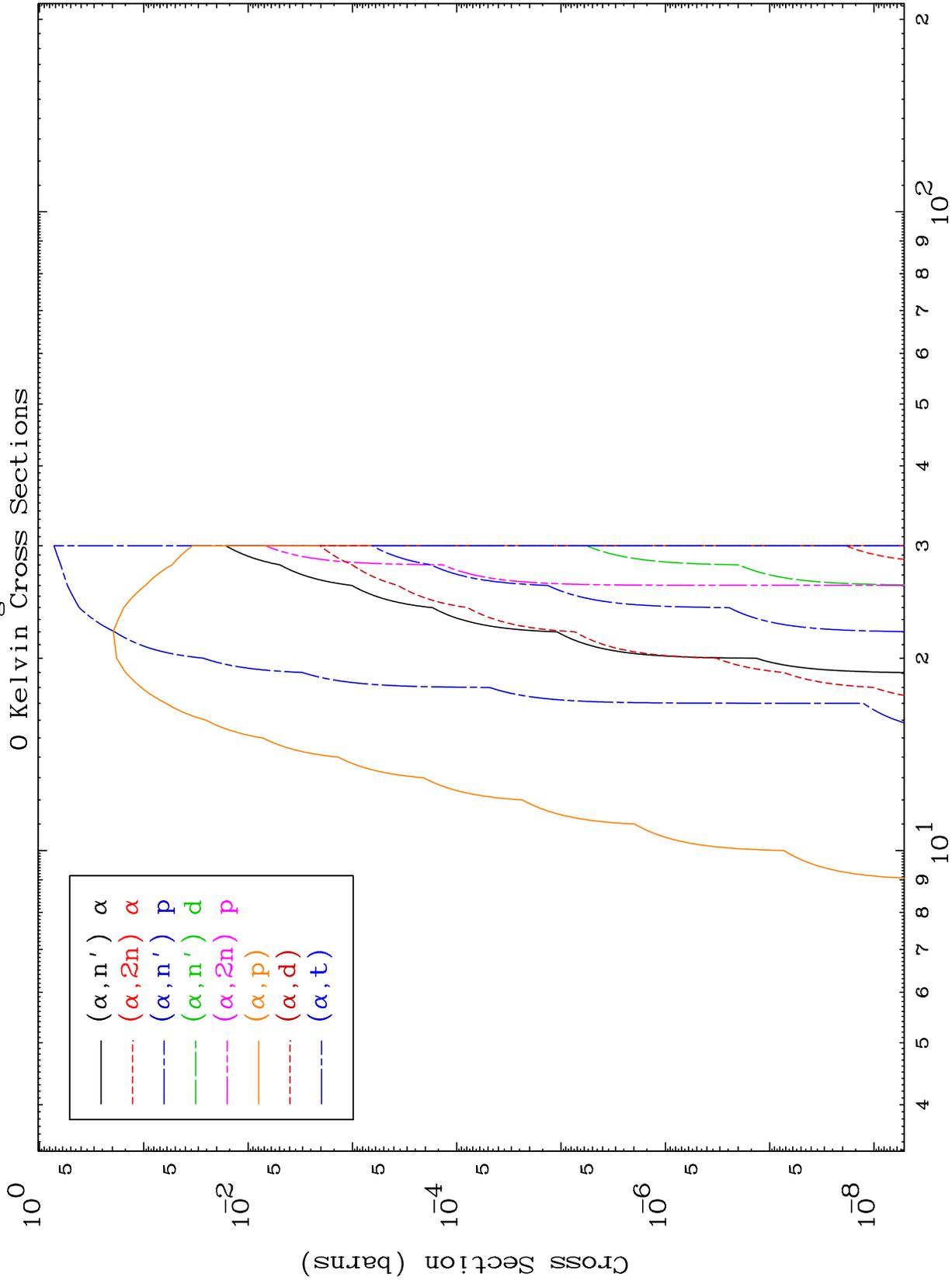


1

Incident Energy (MeV)

61-Pm-137

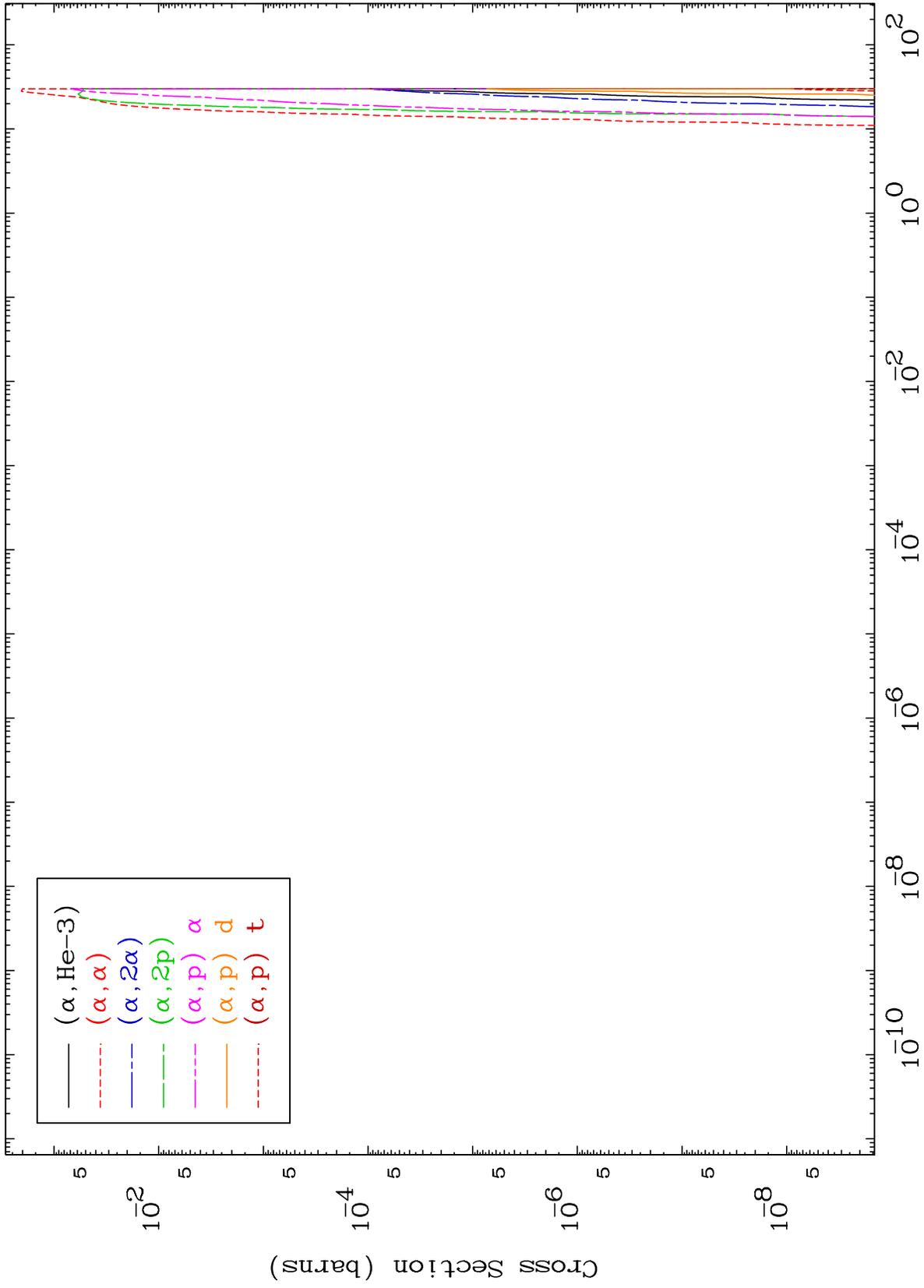




MAT 6119

α Charged Particle
0 Kelvin Cross Sections

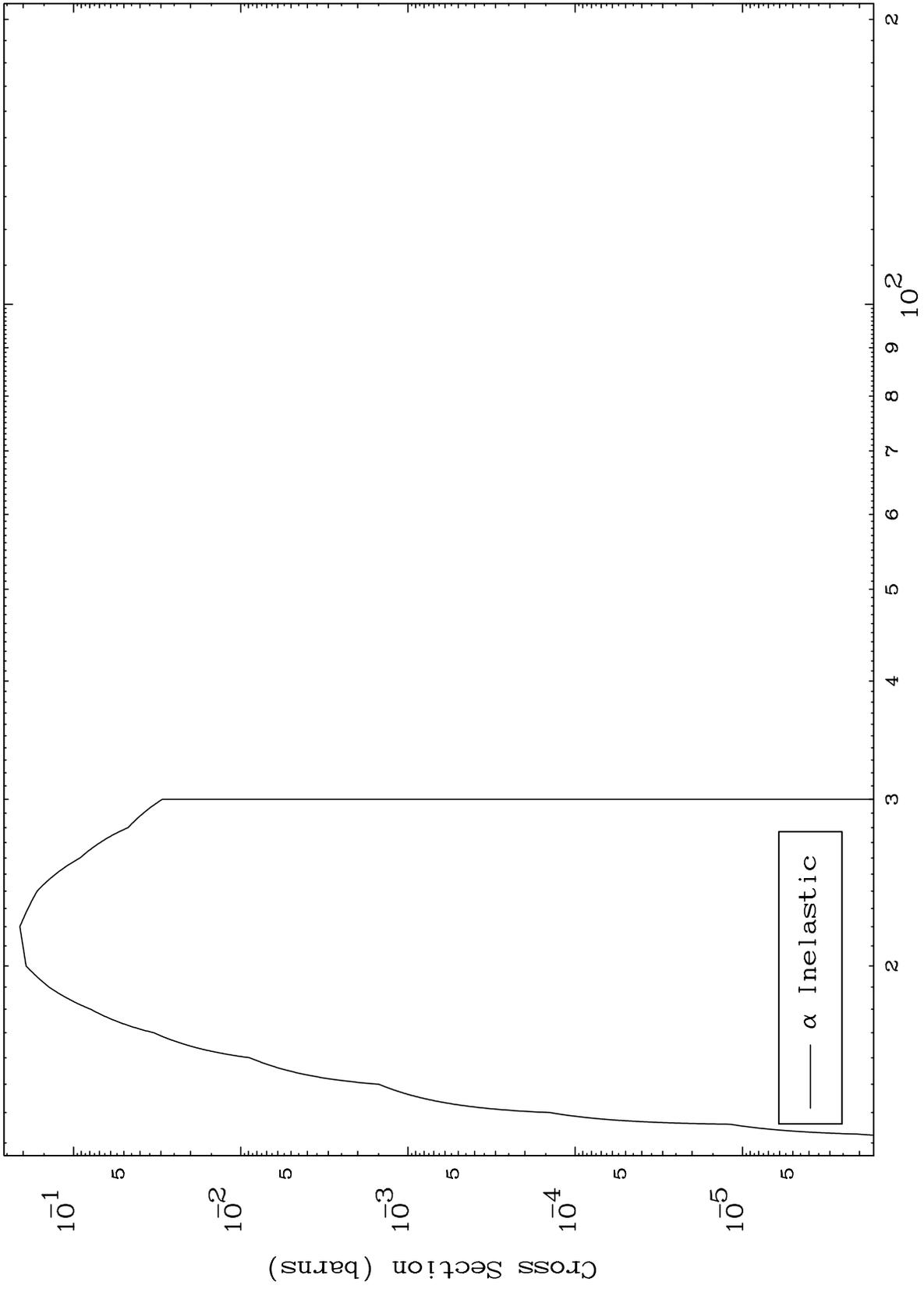
61-Pm-137



MAT 6119

(α, n') Level
0 Kelvin Cross Sections

61-Pm-137



5

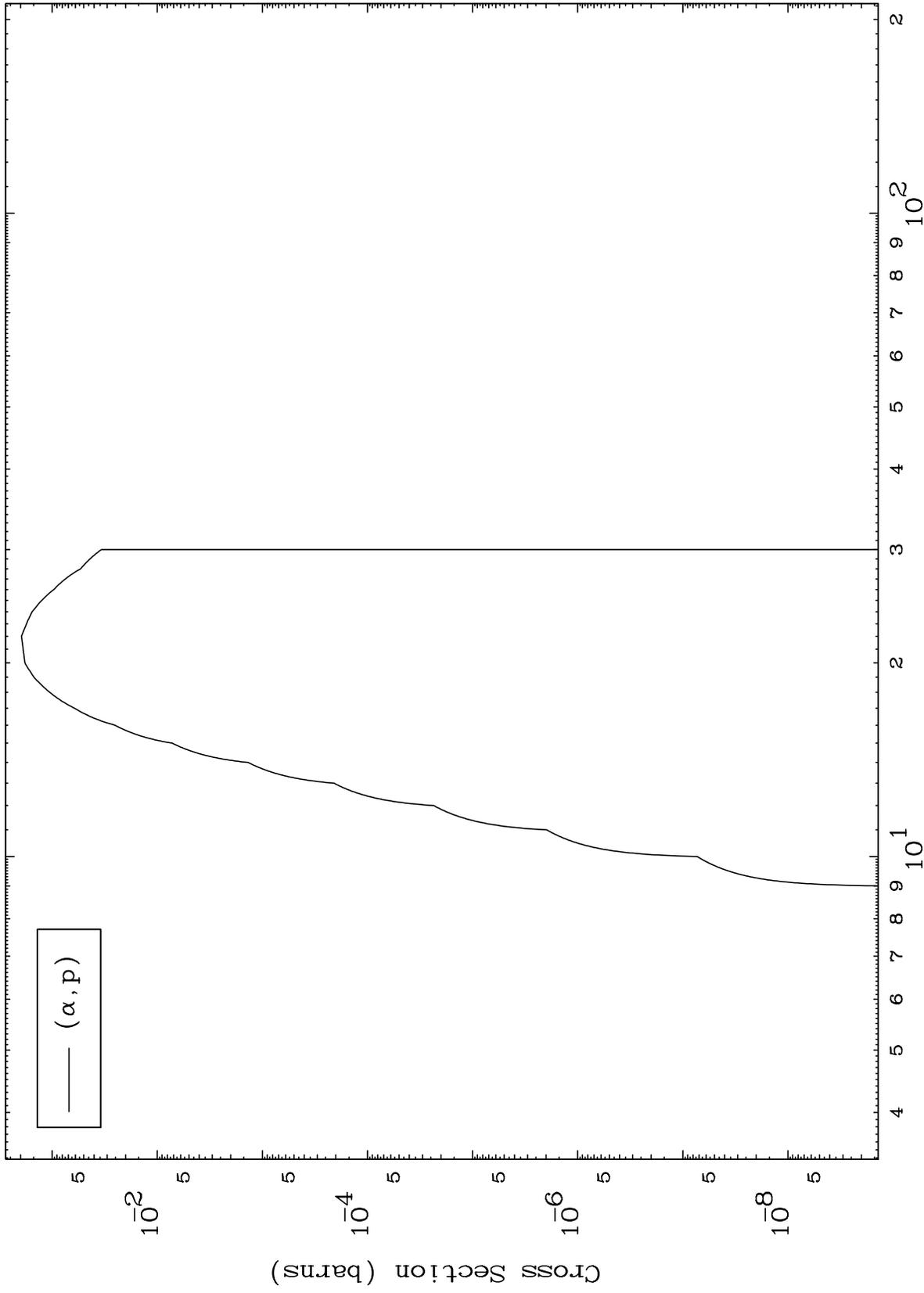
Incident Energy (MeV)

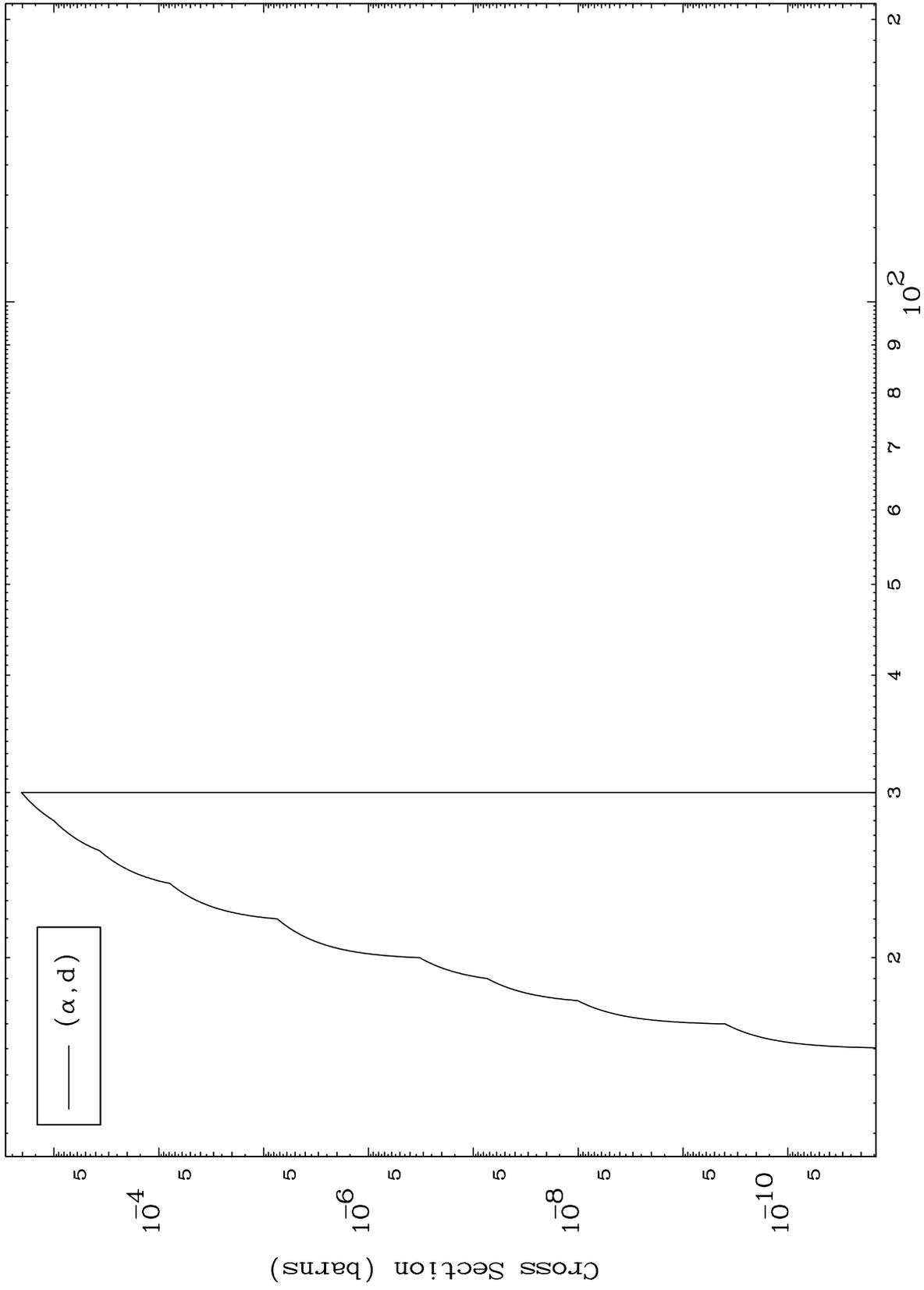
61-Pm-137

MAT 6119

(α, p) Levels
0 Kelvin Cross Sections

61-Pm-137

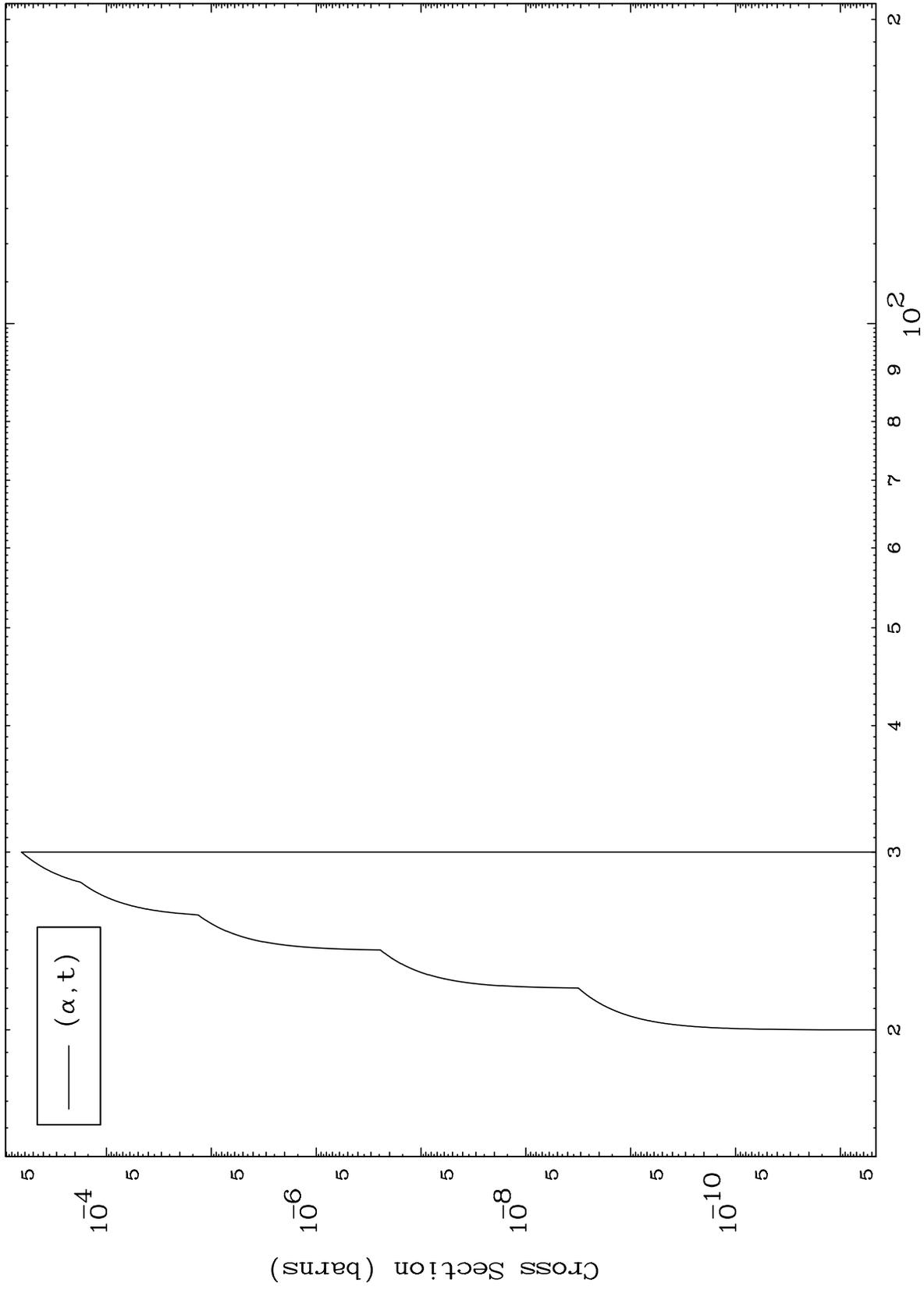




MAT 6119

(α, t) Levels
0 Kelvin Cross Sections

61-Pm-137



8

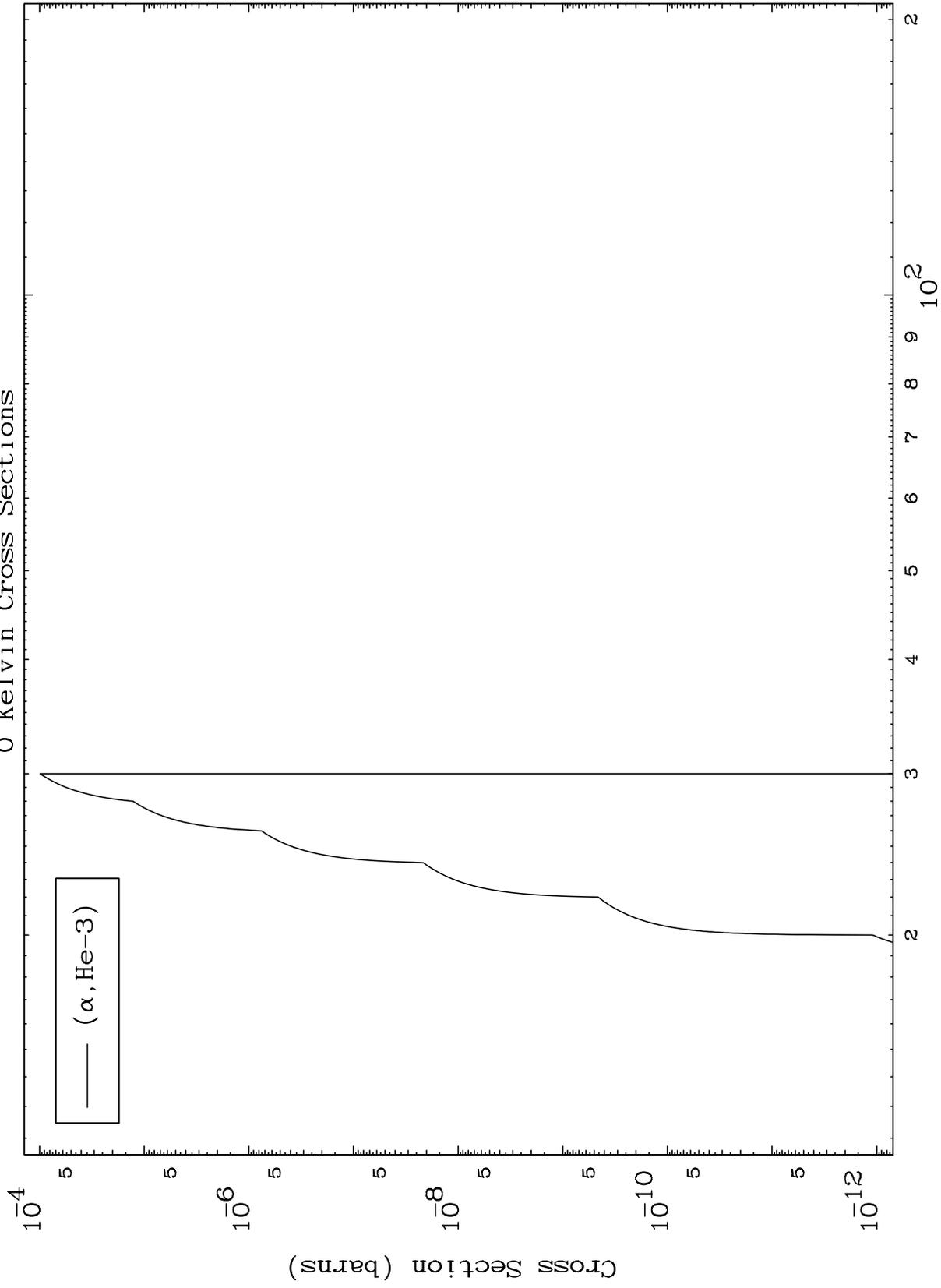
Incident Energy (MeV)

61-Pm-137

MAT 6119

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

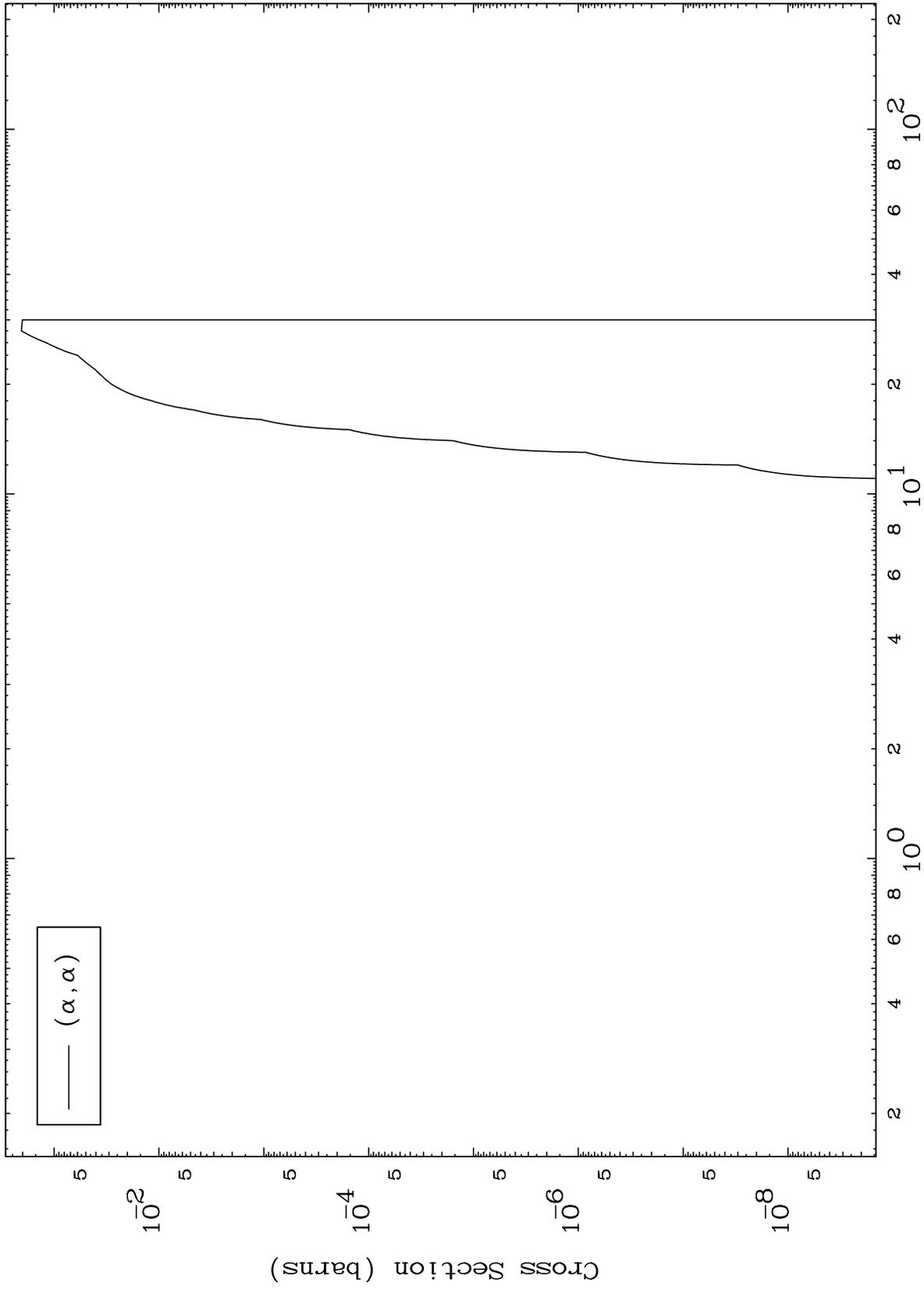
61-Pm-137



MAT 6119

(α, α) Levels
0 Kelvin Cross Sections

61-Pm-137



10

Incident Energy (MeV)

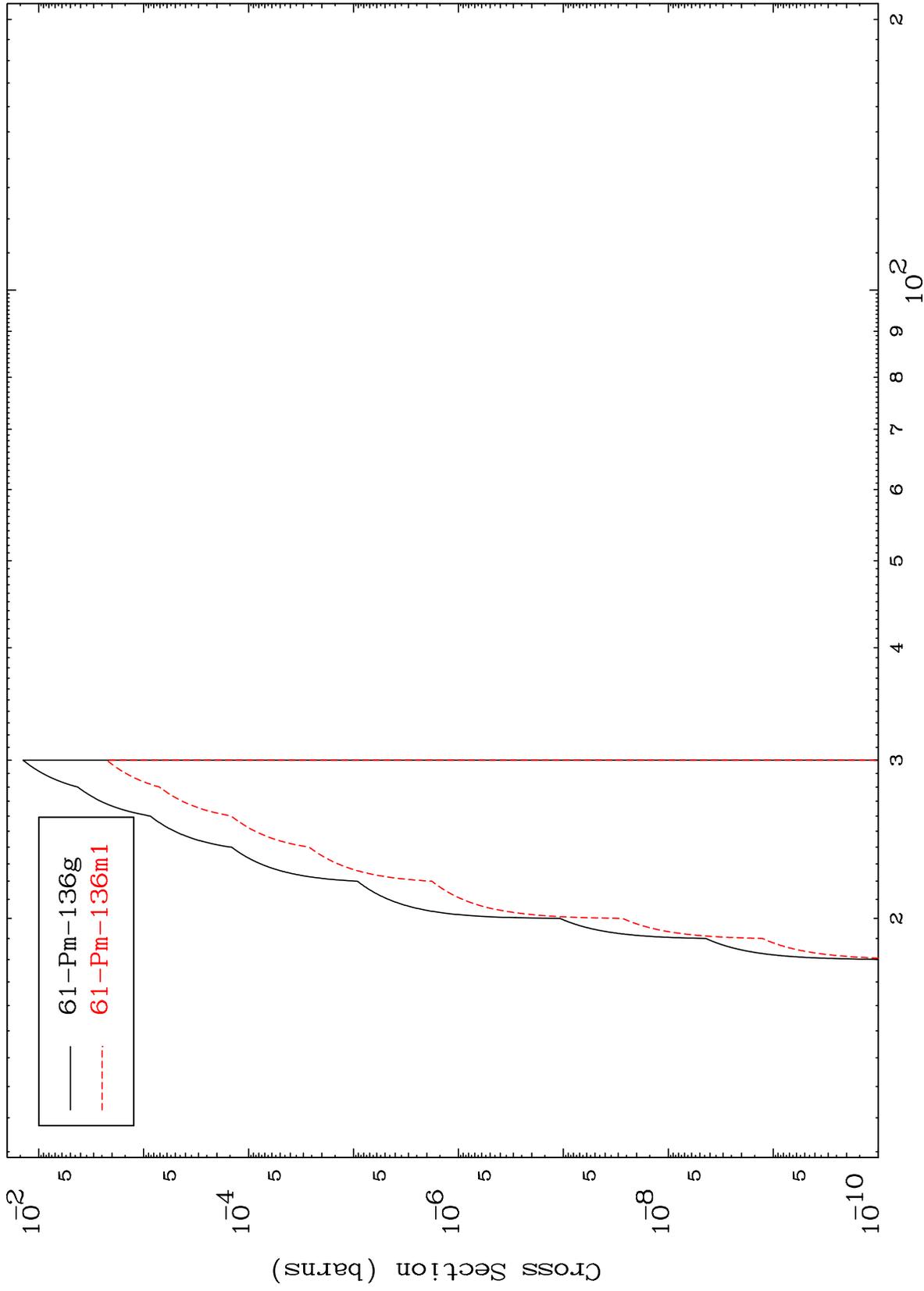
61-Pm-137

MAT 6119

(α, n') α

$^{61}\text{Pm-137}$

Radionuclide Production Cross Section



11

Incident Energy (MeV)

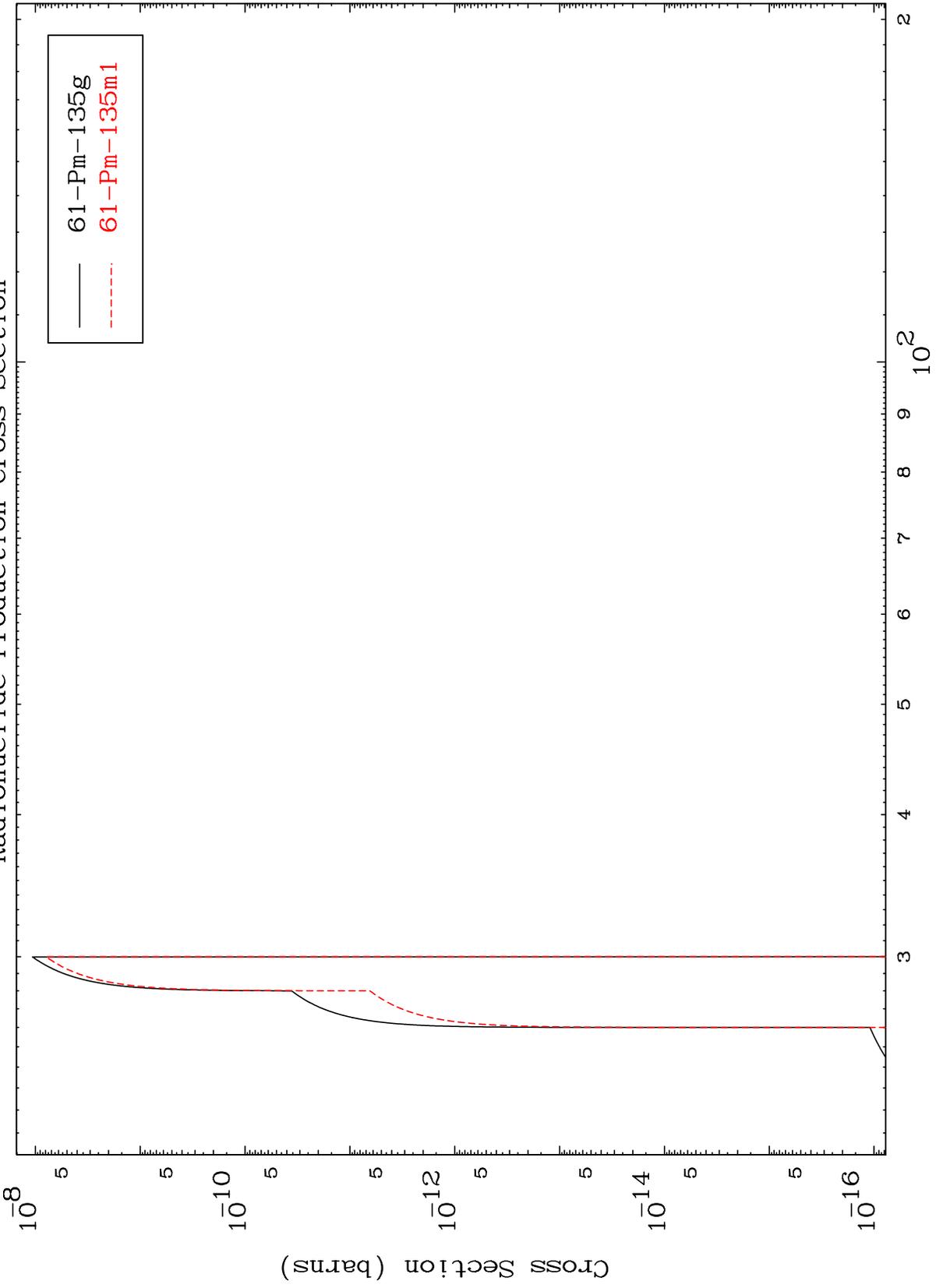
$^{61}\text{Pm-137}$

MAT 6119

$(\alpha, 2n) \alpha$

$^{61}\text{Pm}-137$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

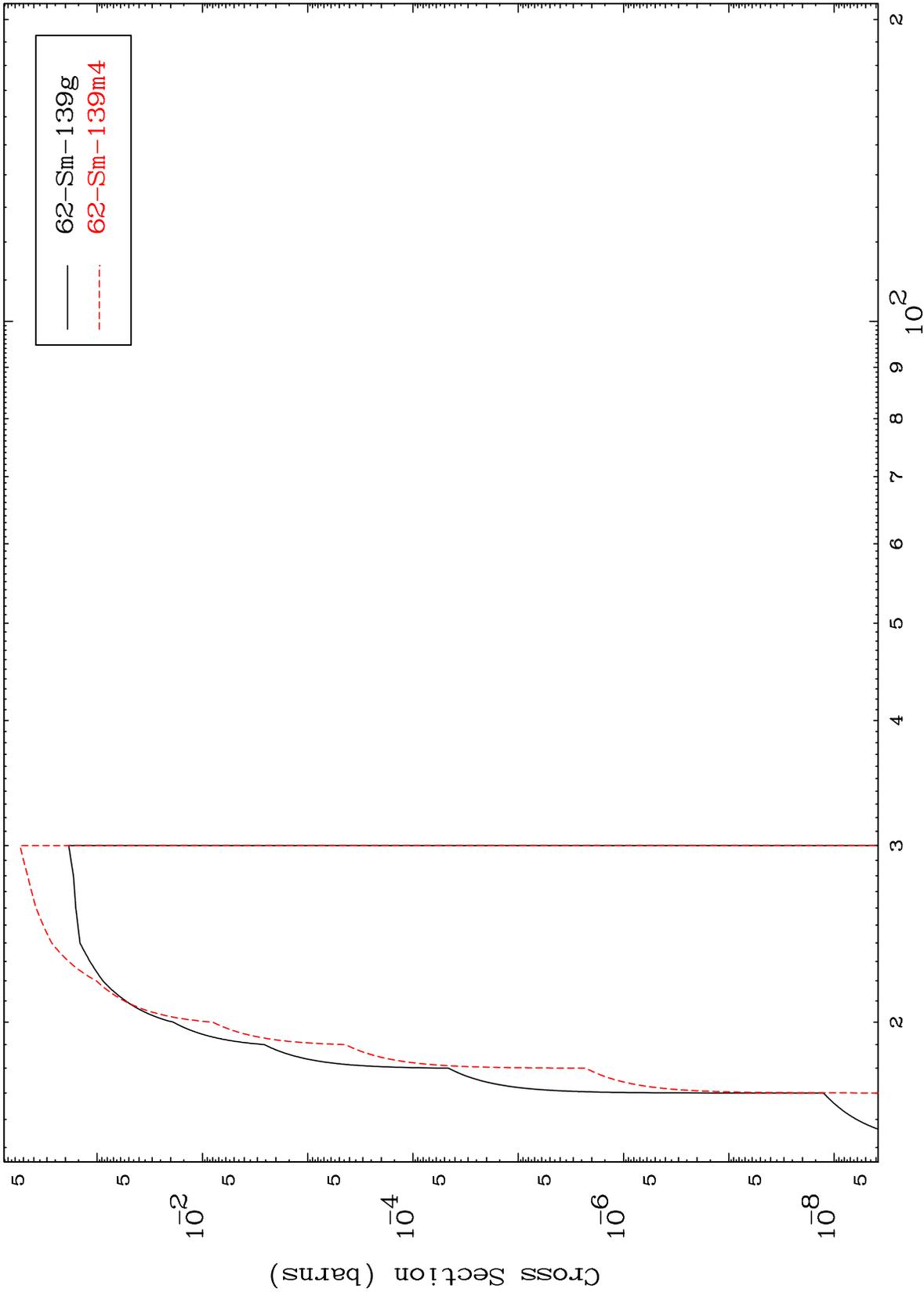
$^{61}\text{Pm}-137$

MAT 6119

(α, n') p

61-Pm-137

Radionuclide Production Cross Section



13

Incident Energy (MeV)

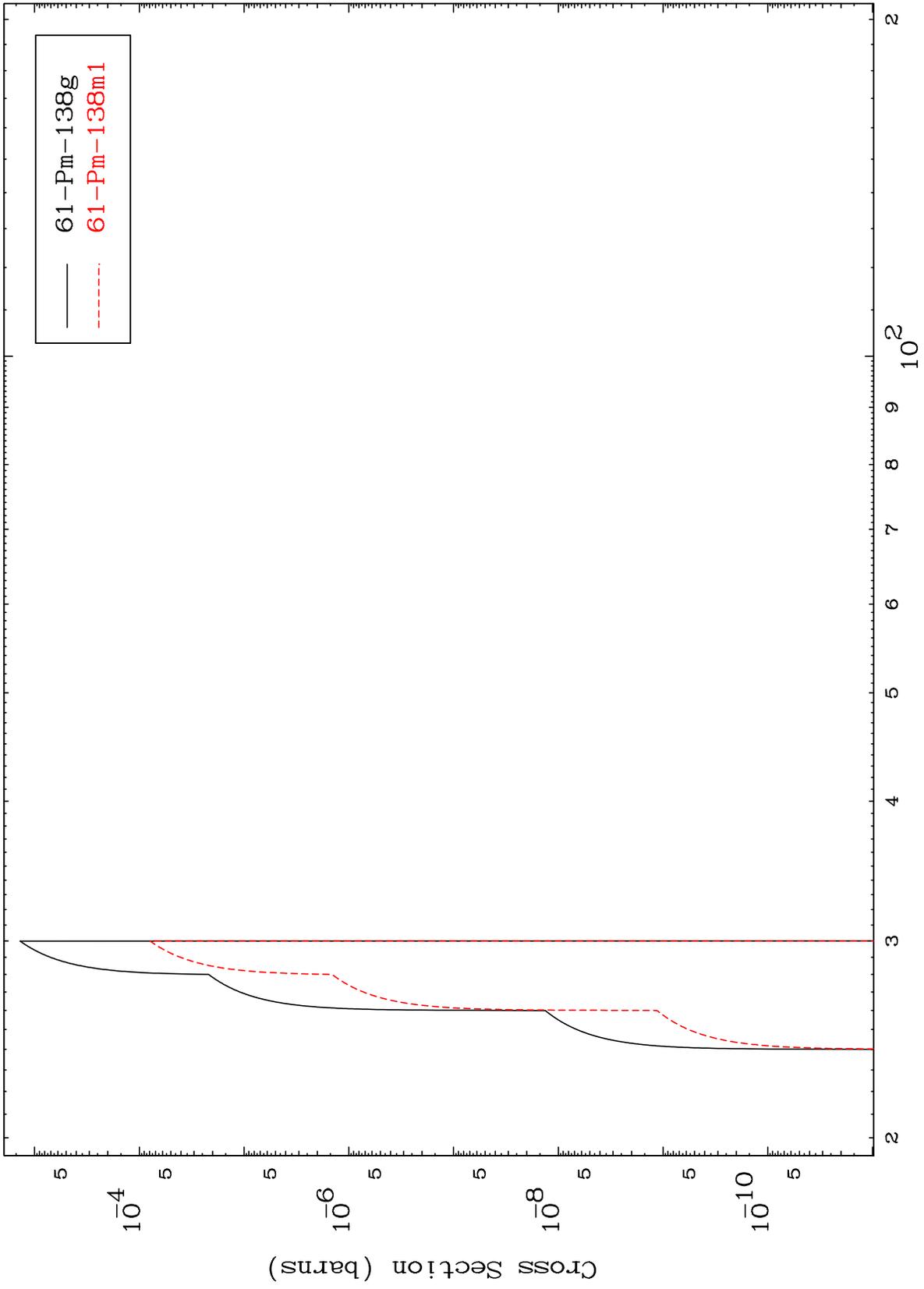
61-Pm-137

MAT 6119

$(\alpha, 2n) p$

$^{61}\text{Pm}-137$

Radionuclide Production Cross Section



14

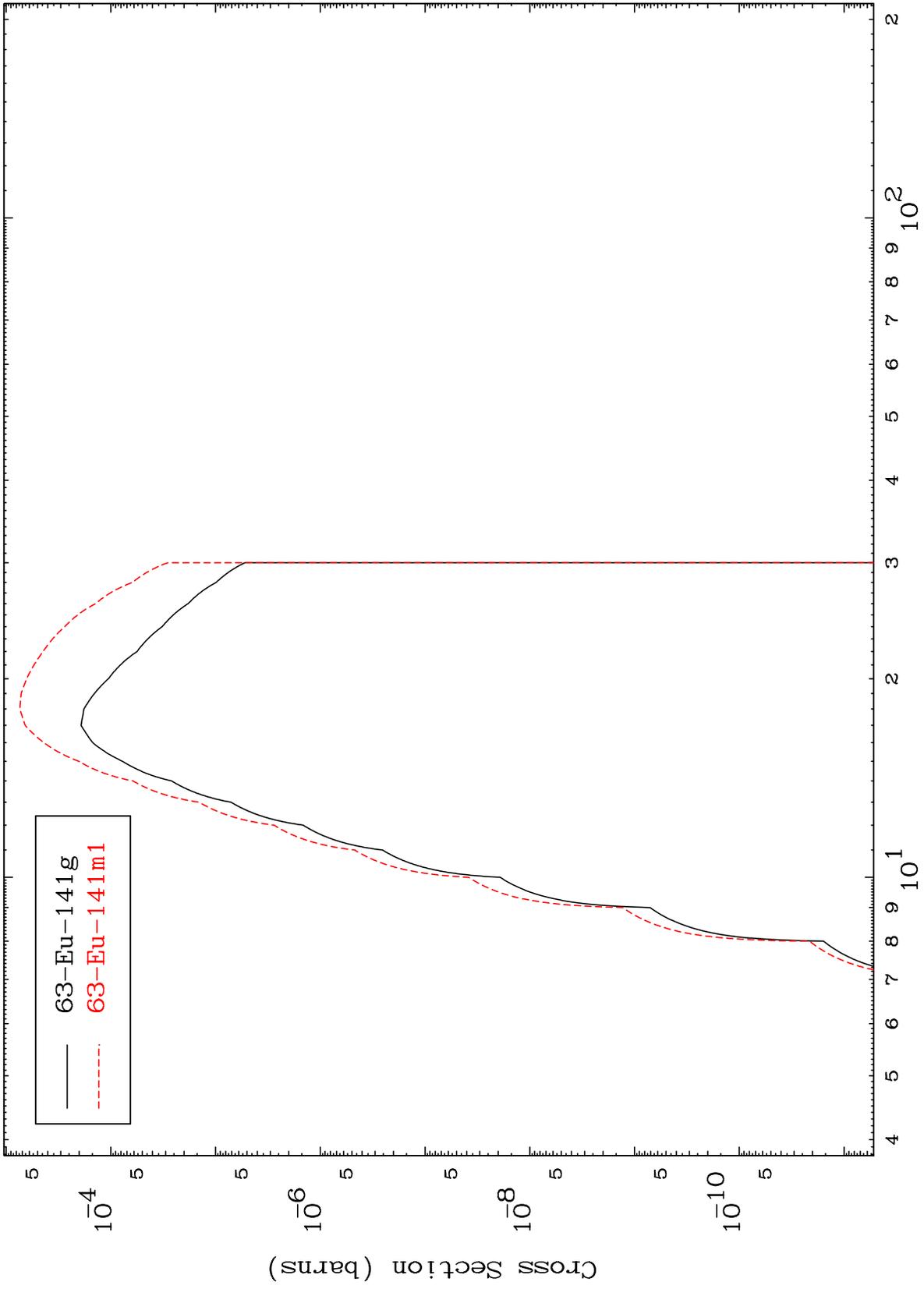
Incident Energy (MeV)

$^{61}\text{Pm}-137$

MAT 6119

61-Pm-137

Radionuclide Production Cross Section
(α, γ)



15

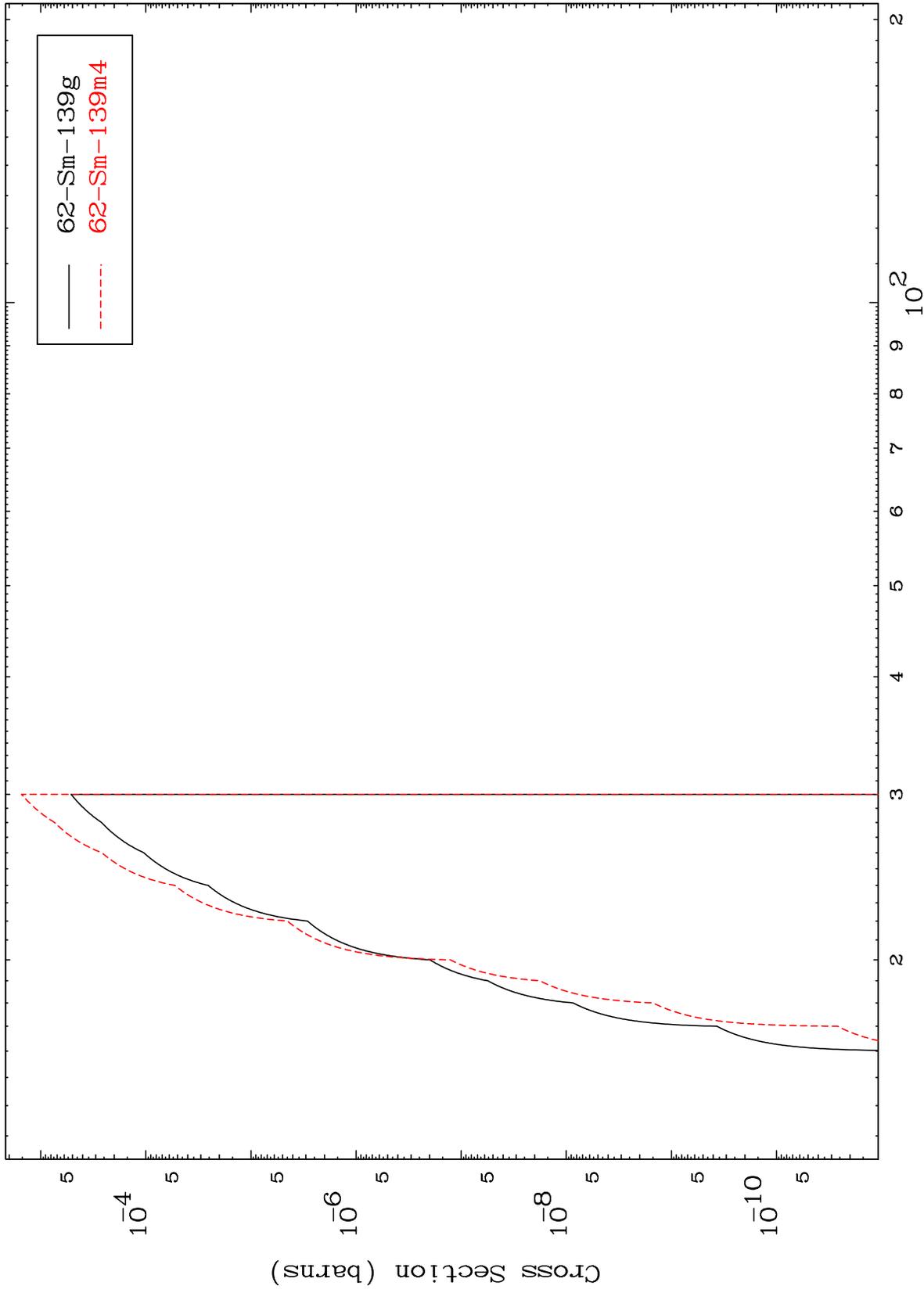
Incident Energy (MeV)

61-Pm-137

MAT 6119

61-Pm-137

(α, d)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

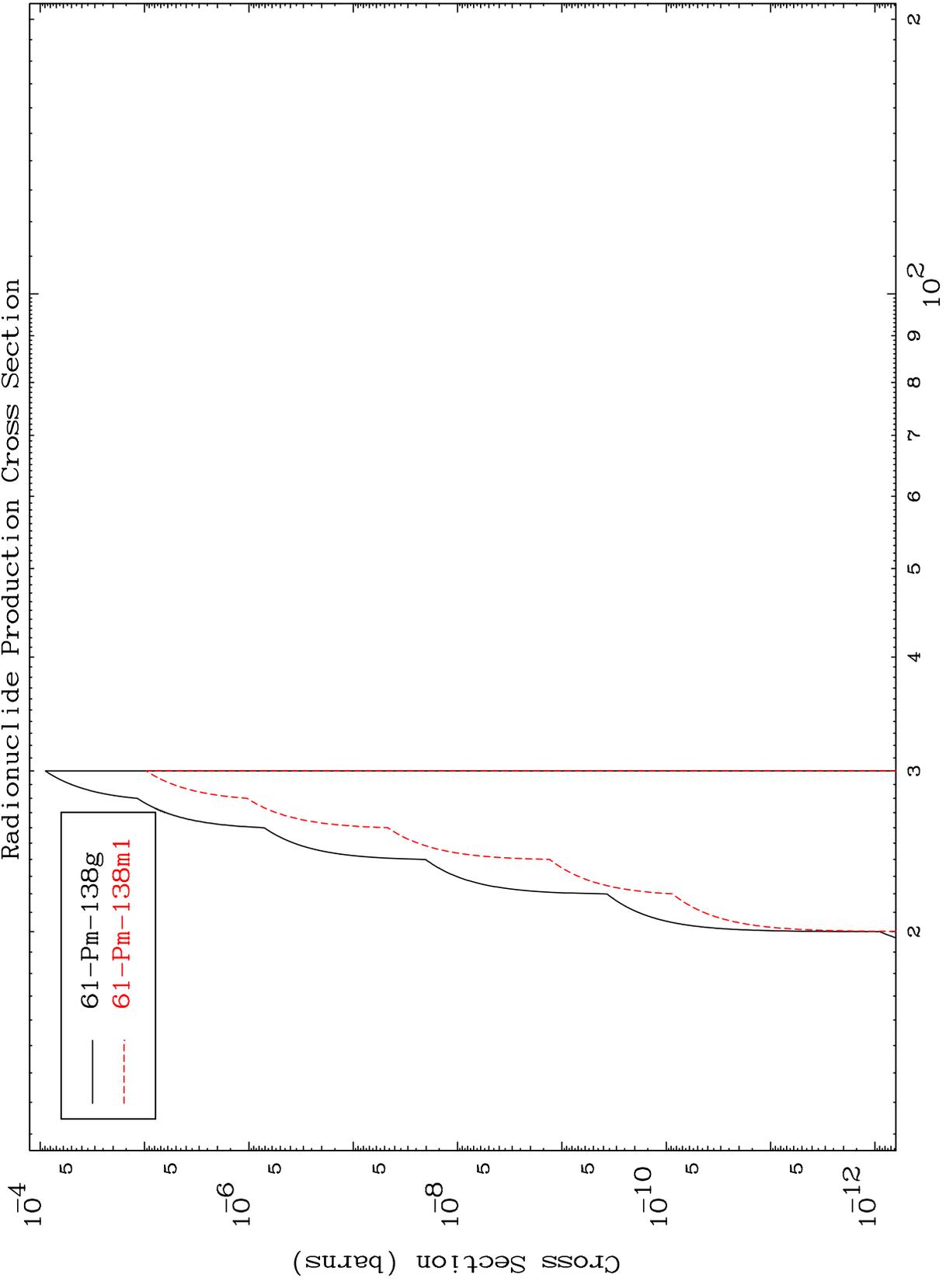
61-Pm-137

MAT 6119

($\alpha, \text{He-3}$)

61-Pm-137

Radionuclide Production Cross Section



17

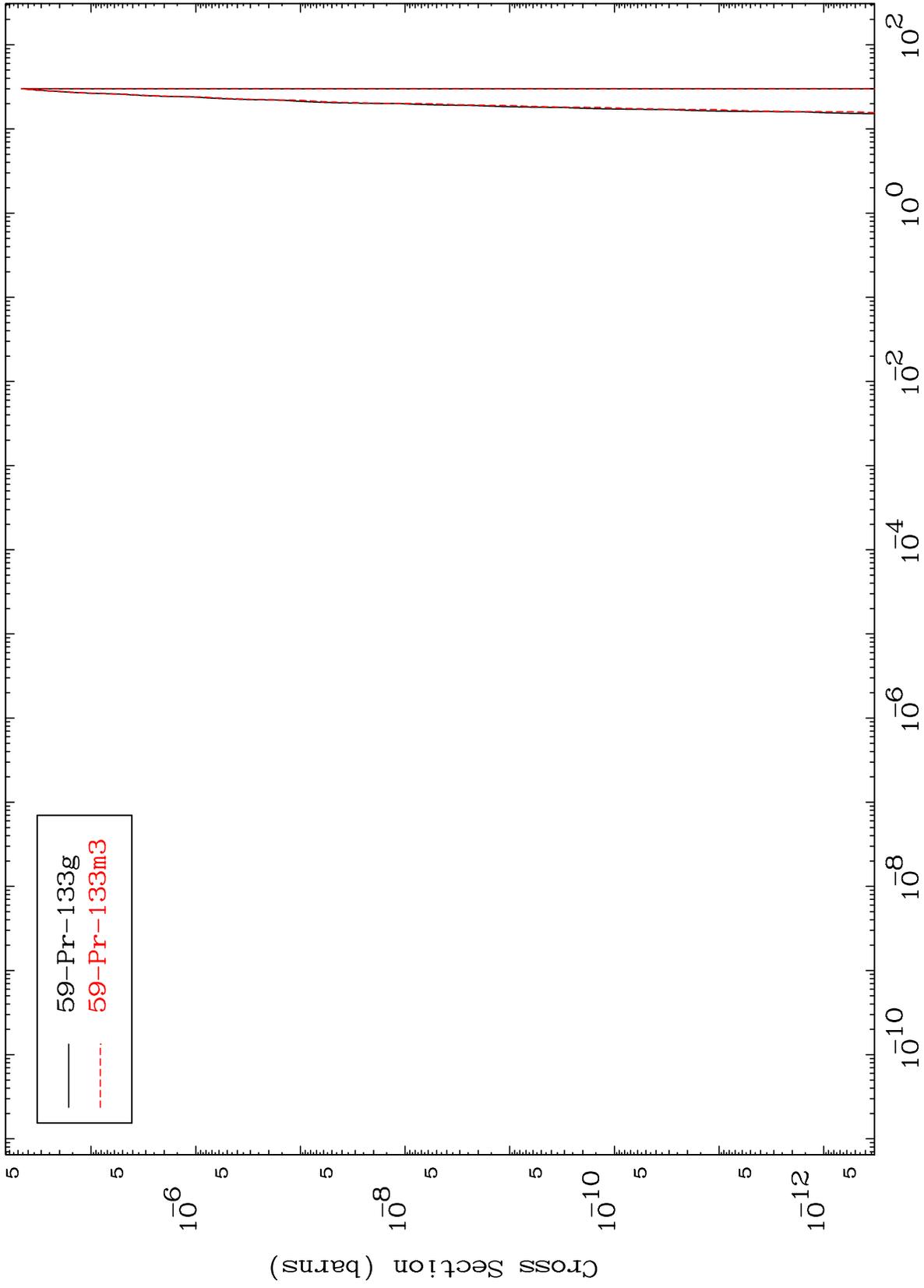
61-Pm-137

MAT 6119

($\alpha, 2\alpha$)

61-Pm-137

Radionuclide Production Cross Section



18

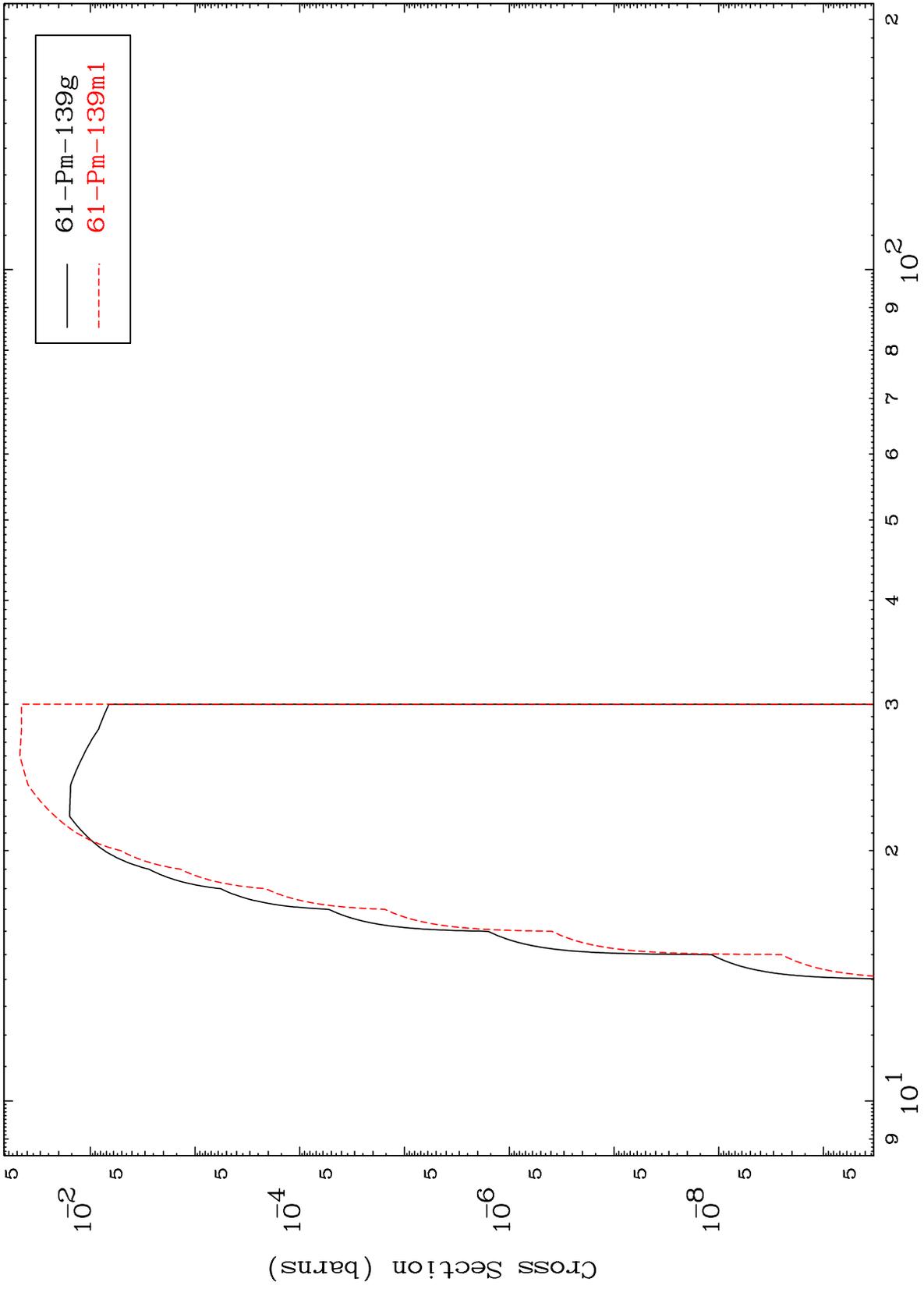
Incident Energy (MeV)

61-Pm-137

MAT 6119

61-Pm-137

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



19

Incident Energy (MeV)

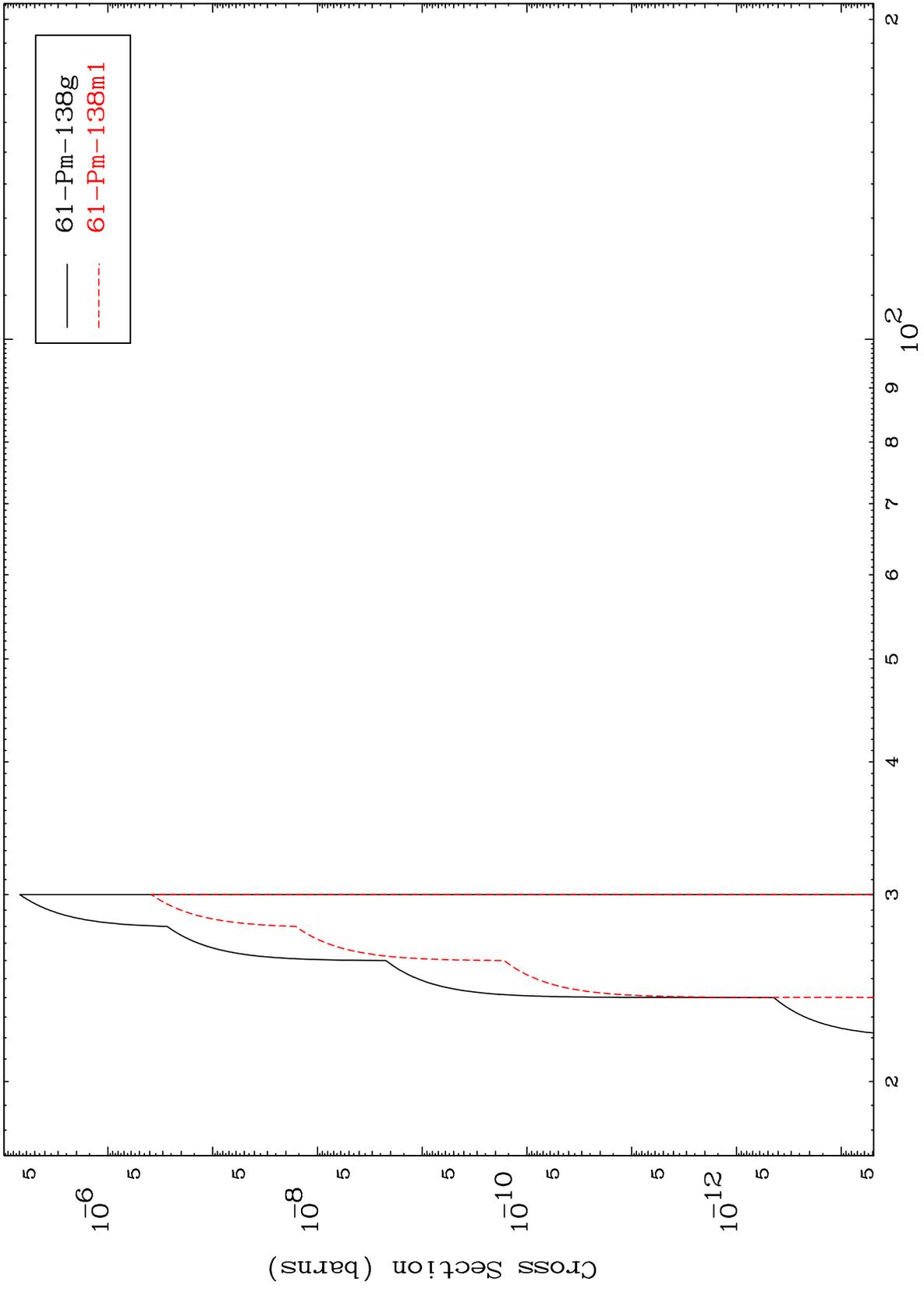
61-Pm-137

MAT 6119

(α, p) d

61-Pm-137

Radionuclide Production Cross Section



20

Incident Energy (MeV)

61-Pm-137