

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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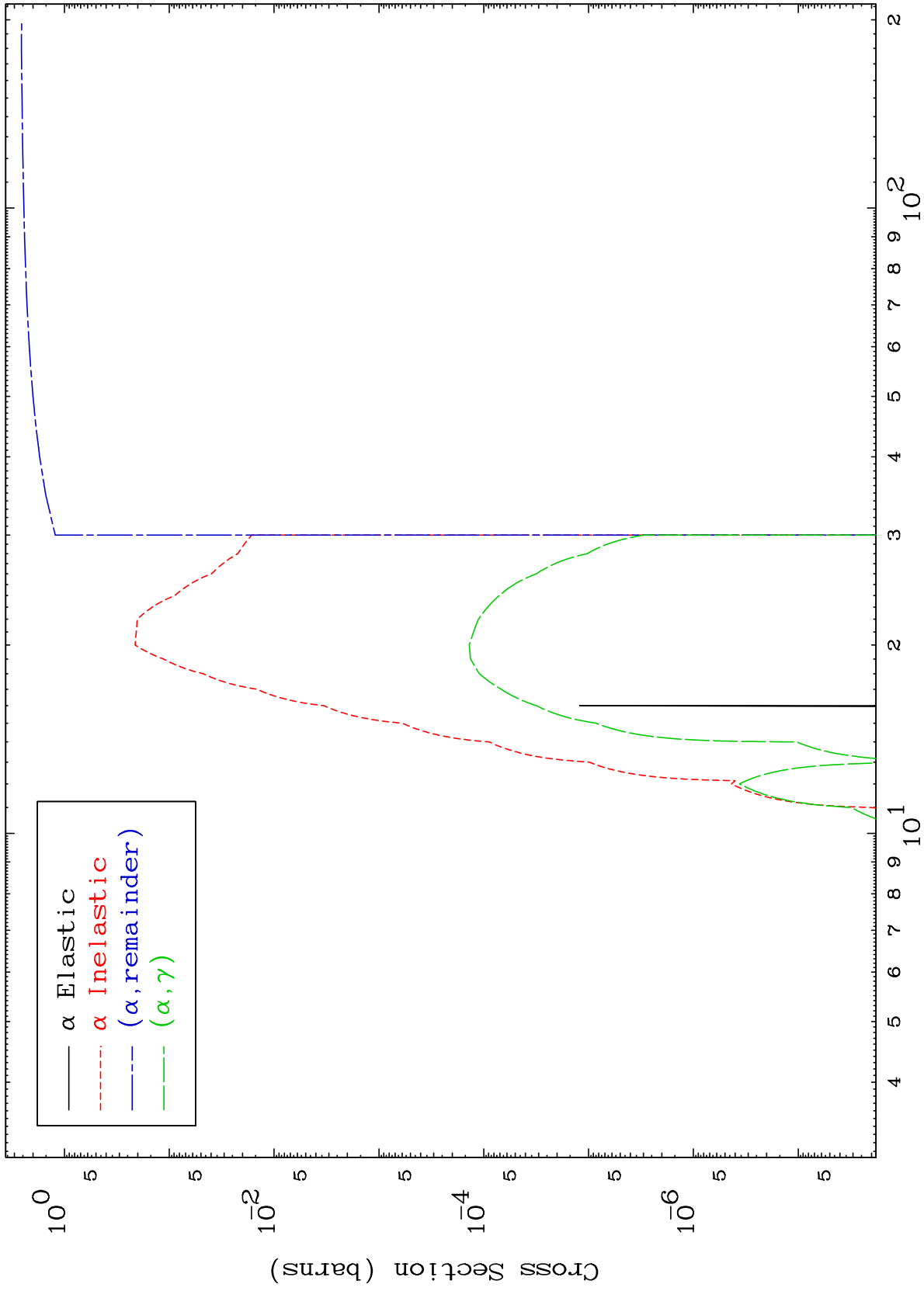
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7110

0 Kelvin α Major
Cross Sections

71-Lu-170



1

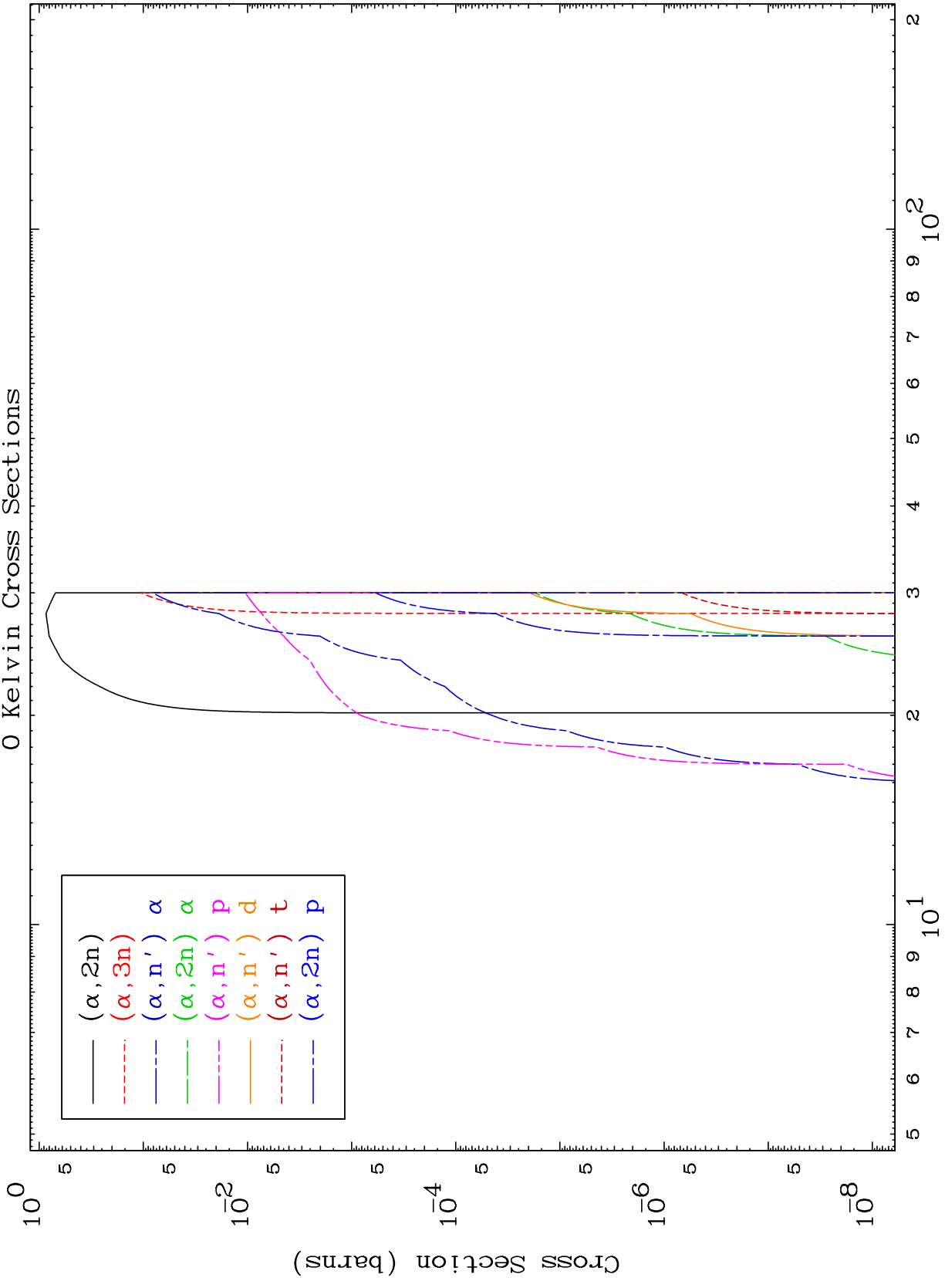
Incident Energy (MeV)

71-Lu-170

MAT 7110

α Neutron Production
0 Kelvin Cross Sections

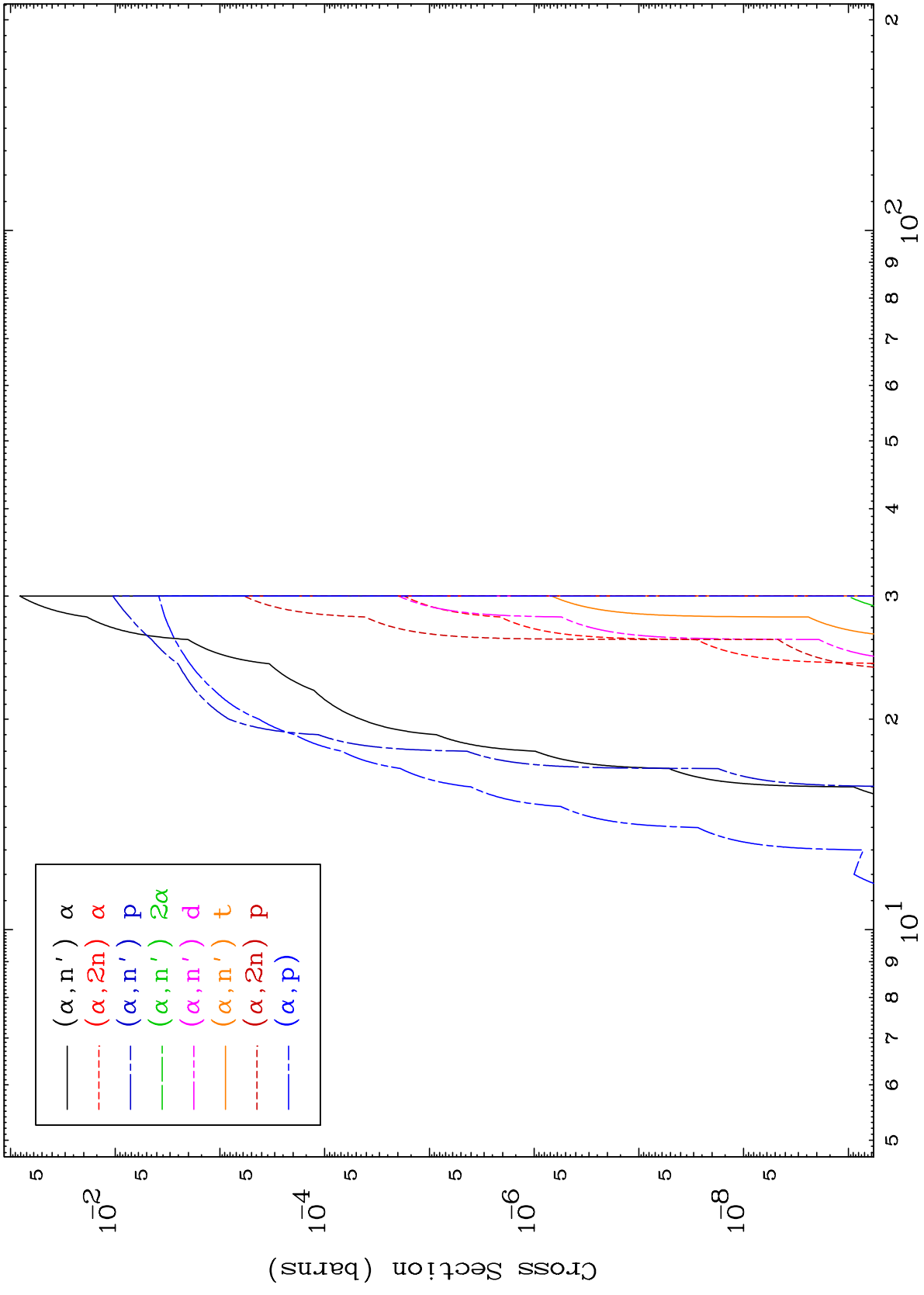
71-Lu-170



2

Incident Energy (MeV)

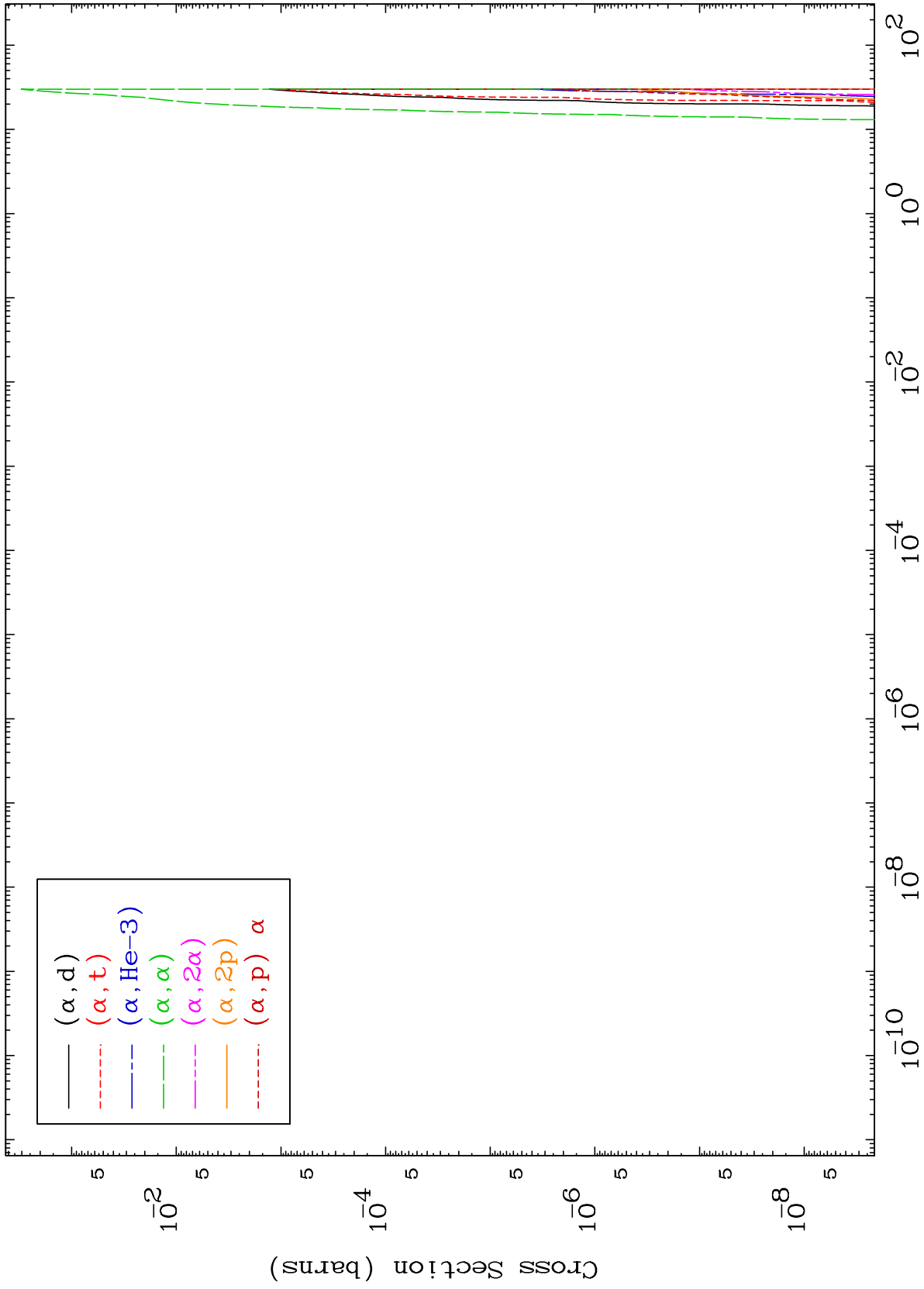
71-Lu-170



MAT 7110

α Charged Particle
0 Kelvin Cross Sections

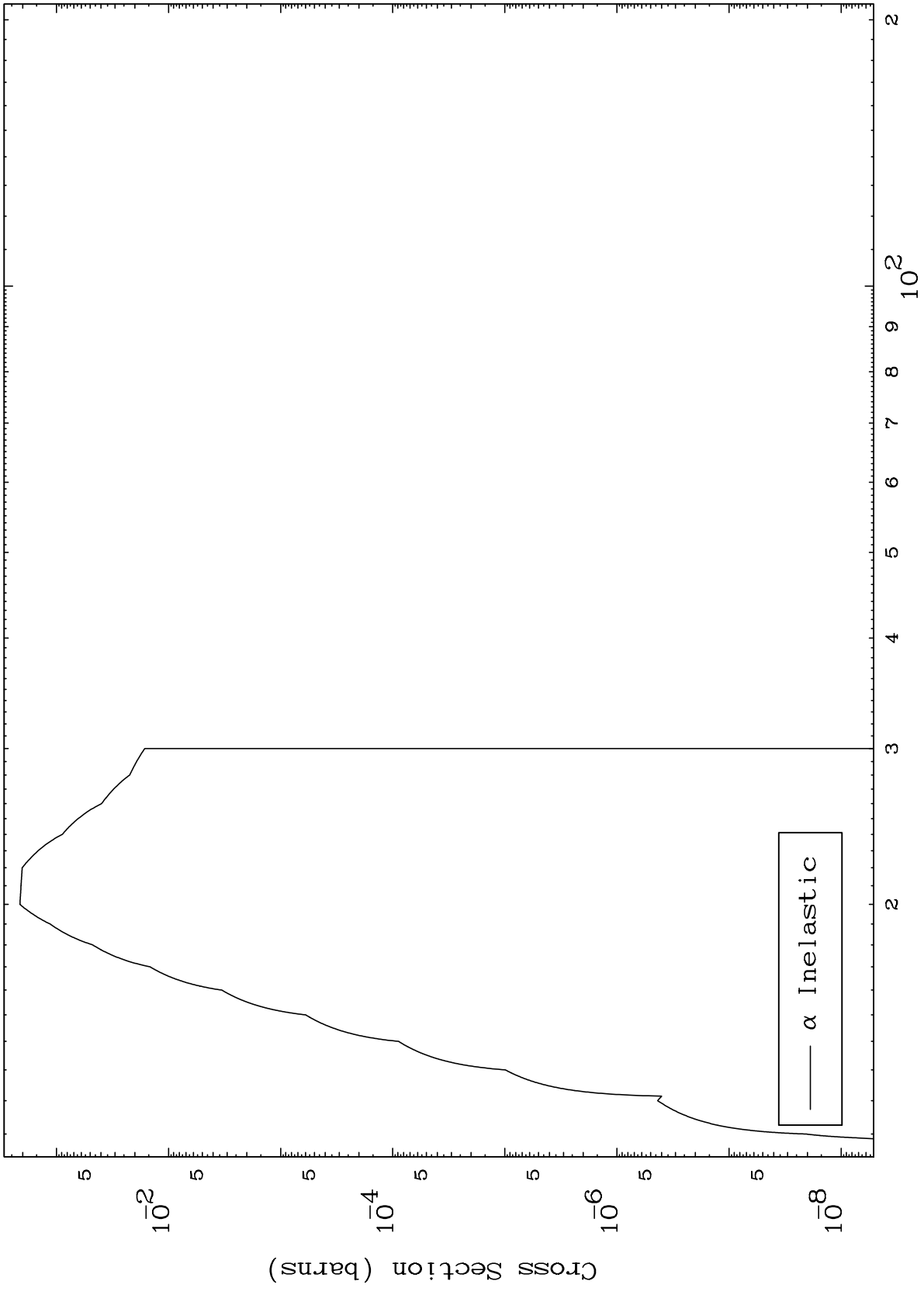
71-Lu-170



MAT 7110

(α, n') Level
0 Kelvin Cross Sections

71-Lu-170



5

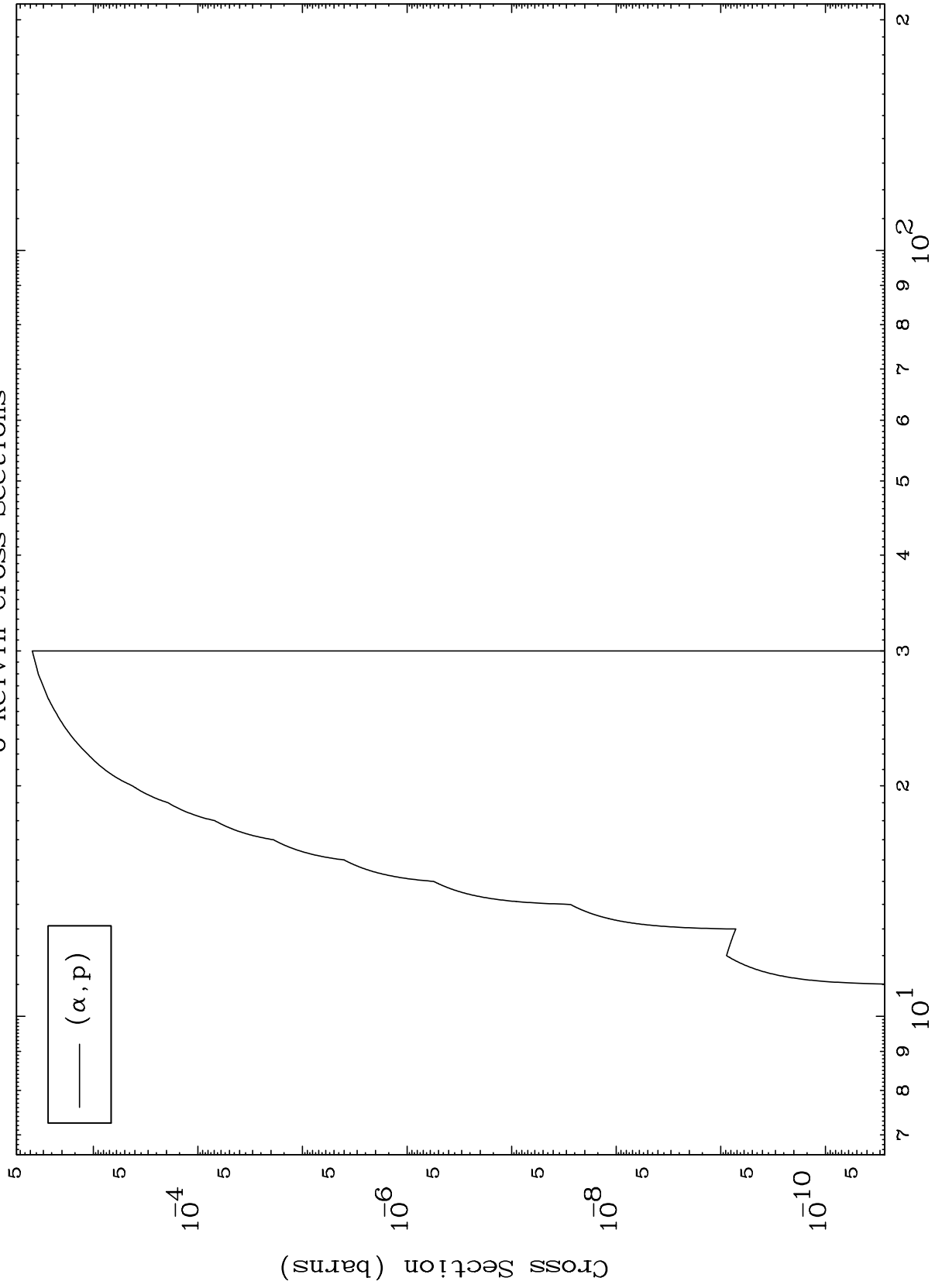
Incident Energy (MeV)

71-Lu-170

MAT 7110

(α, p) Levels
0 Kelvin Cross Sections

71-Lu-170



6

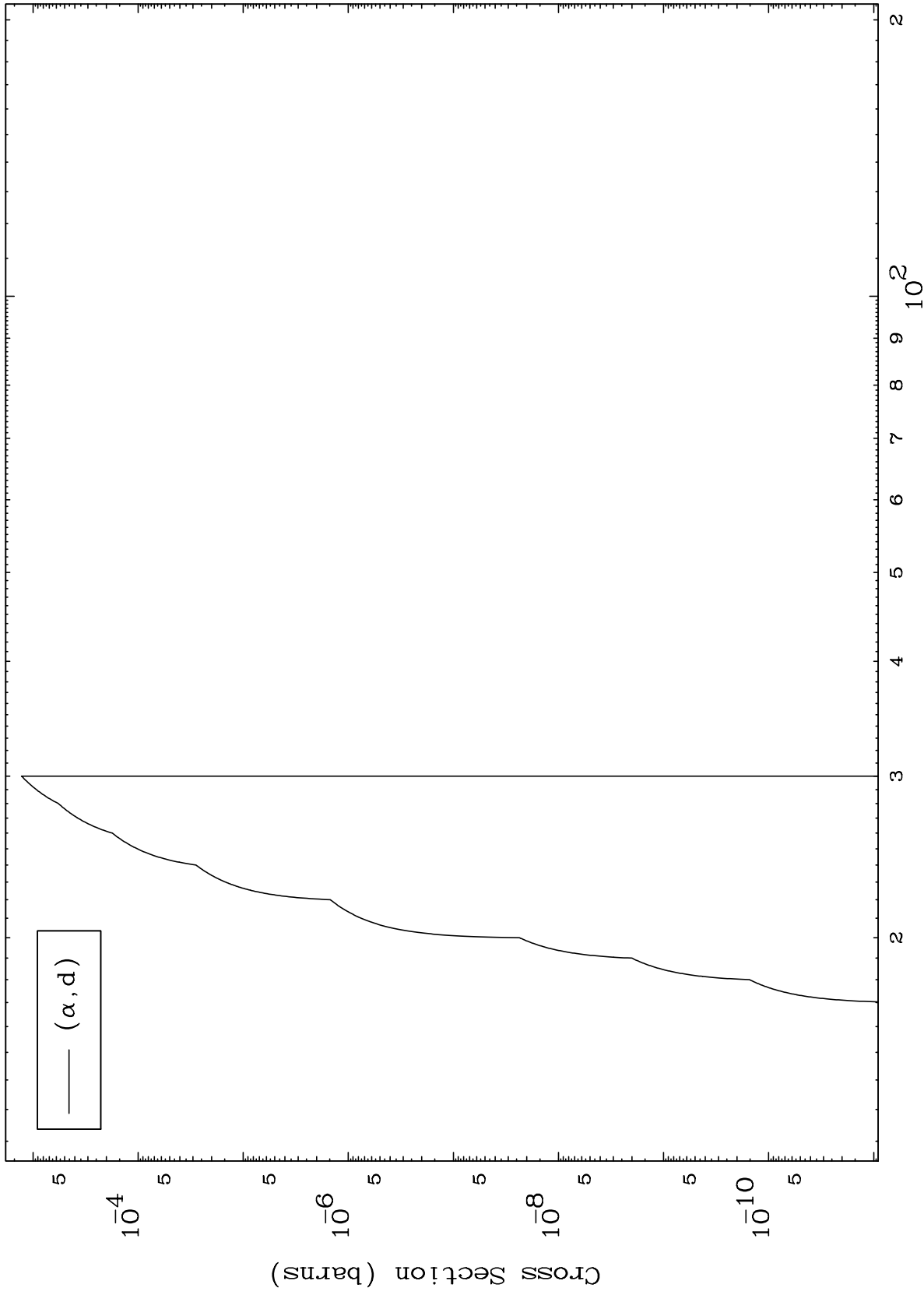
Incident Energy (MeV)

71-Lu-170

MAT 7110

(α, d) Levels
0 Kelvin Cross Sections

71-Lu-170



7

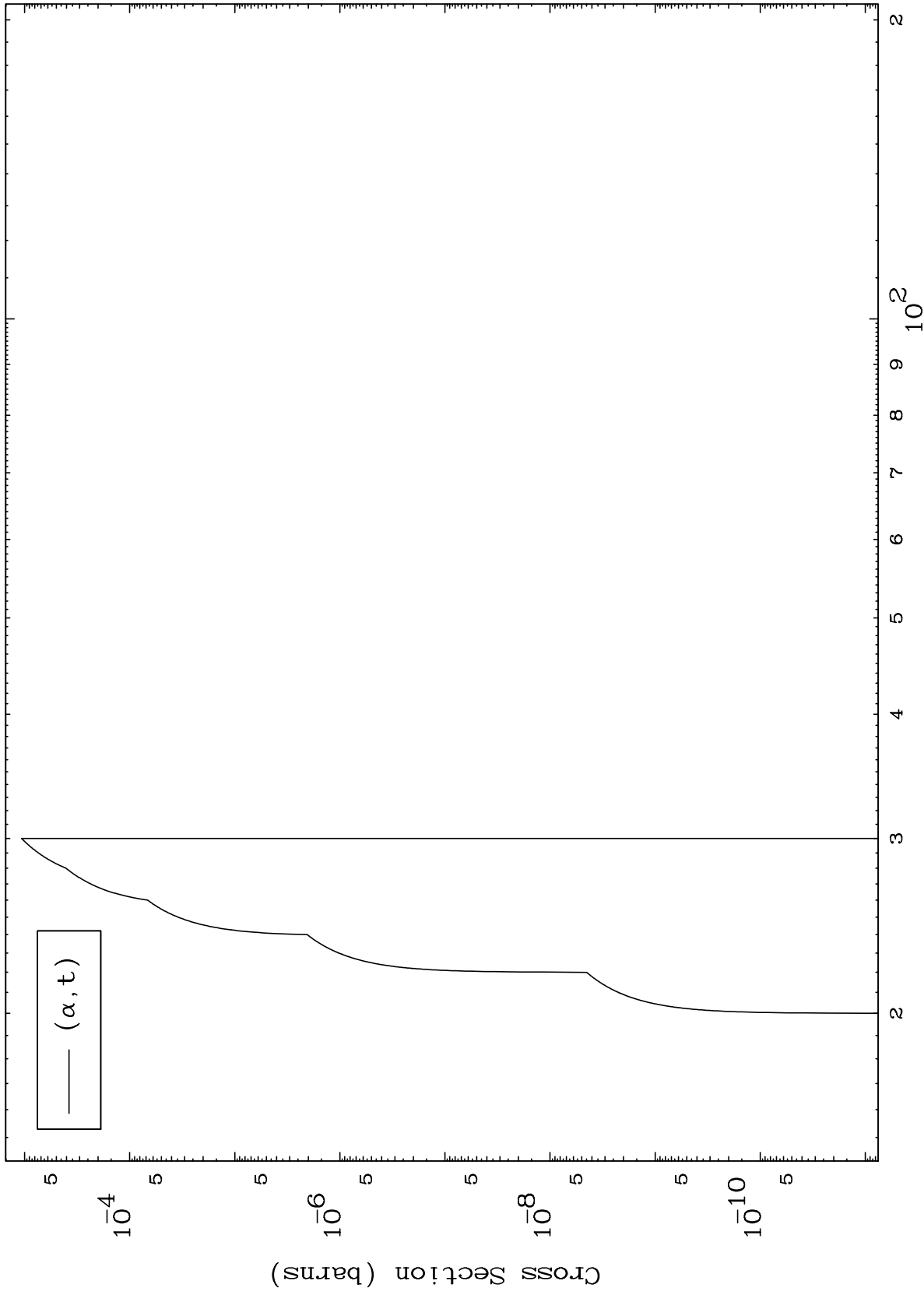
Incident Energy (MeV)

71-Lu-170

MAT 7110

(α, t) Levels
0 Kelvin Cross Sections

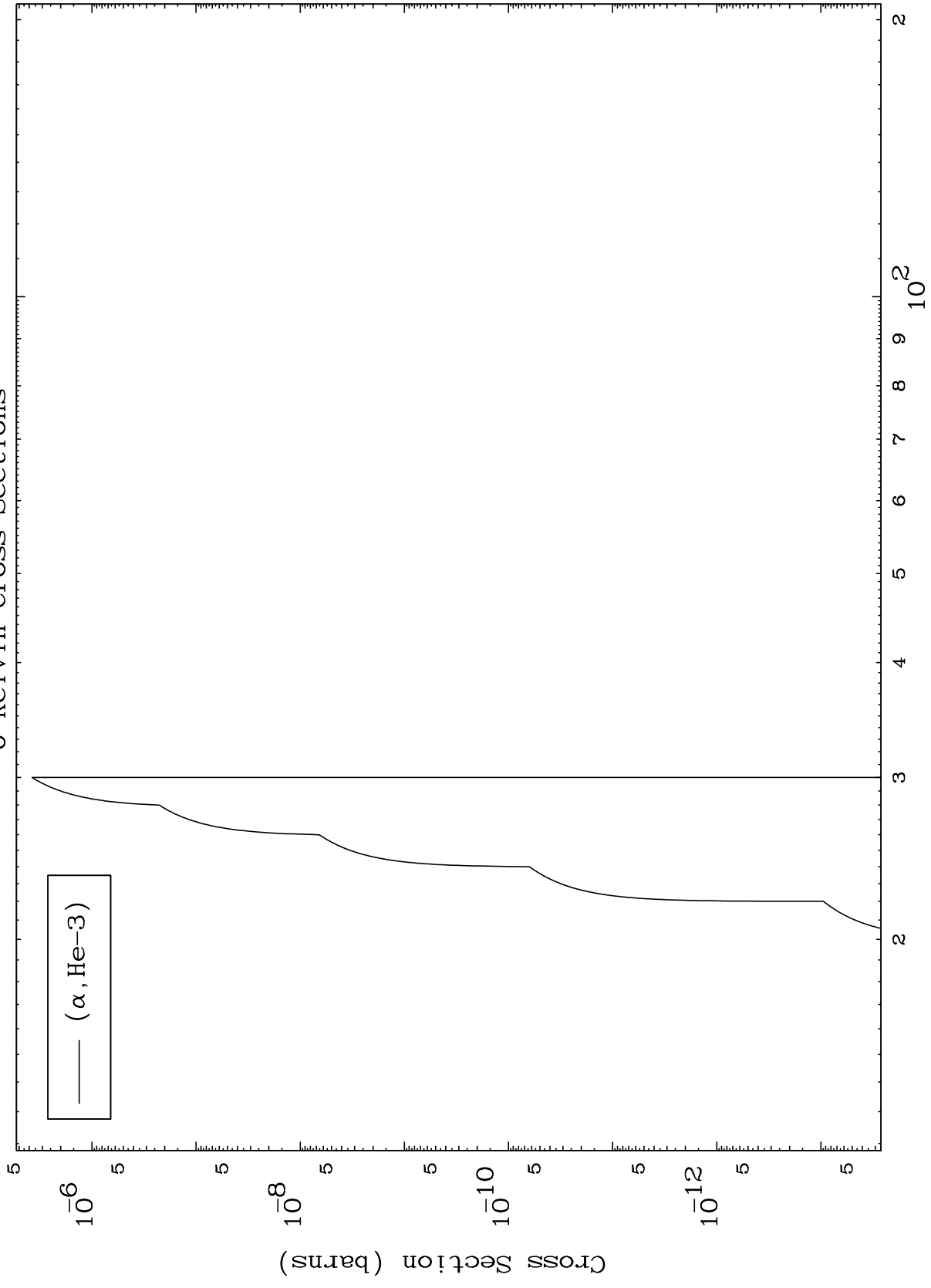
71-Lu-170



8

Incident Energy (MeV)

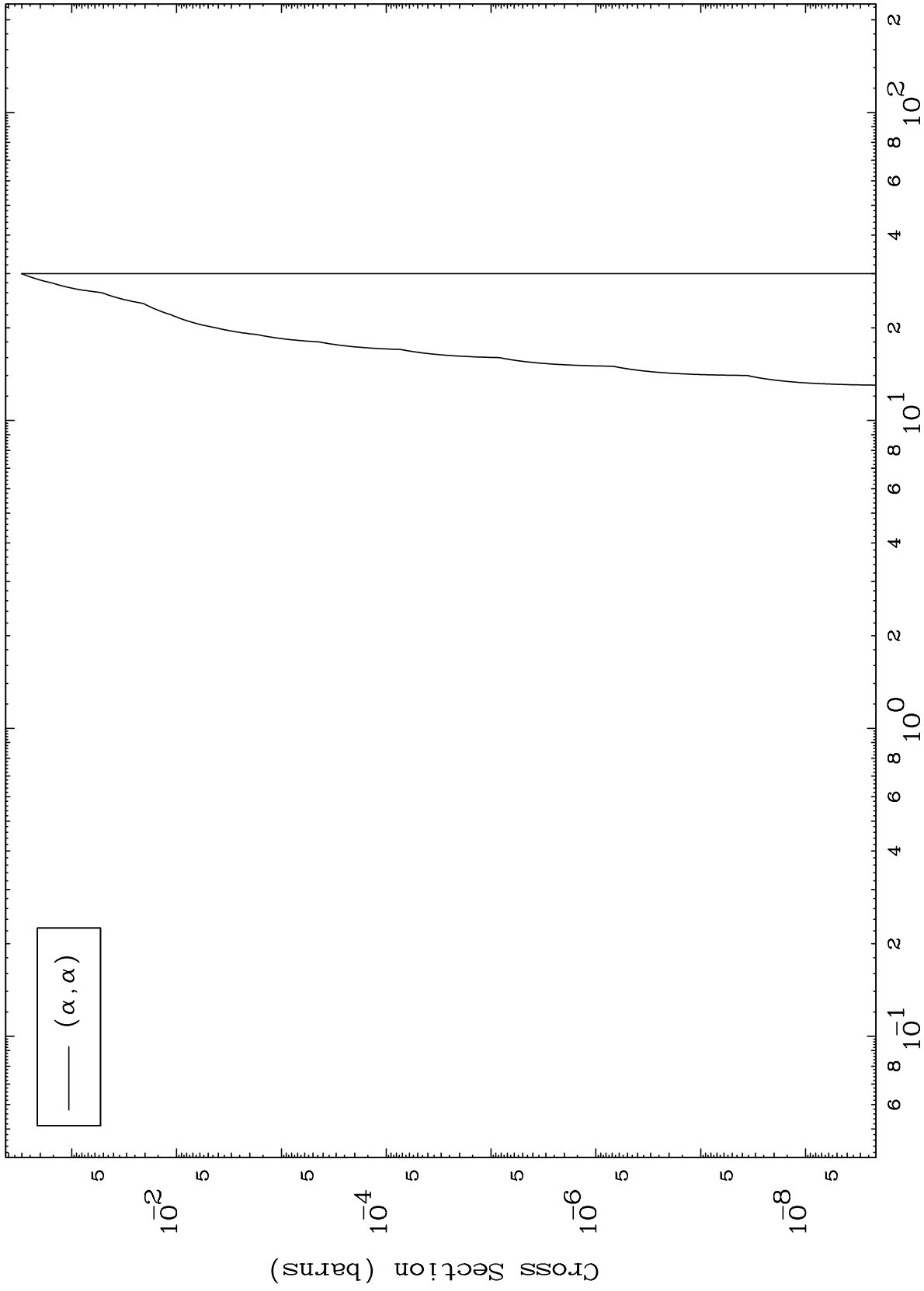
71-Lu-170



MAT 7110

(α, α) Levels
0 Kelvin Cross Sections

71-Lu-170



10

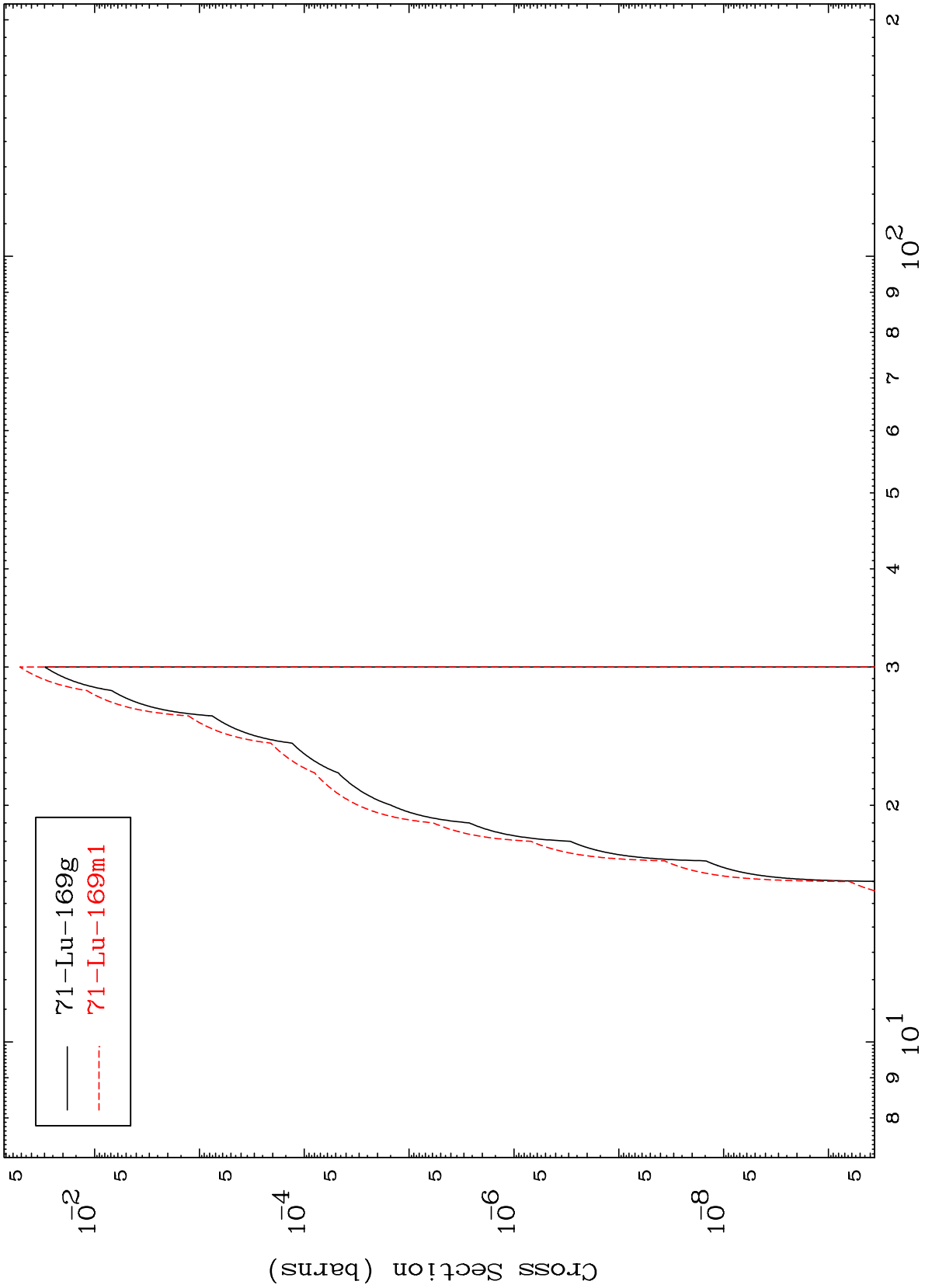
Incident Energy (MeV)

71-Lu-170

MAT 7110

$^{71}\text{Lu-170}$

(α, n') α
Radionuclide Production Cross Section



11

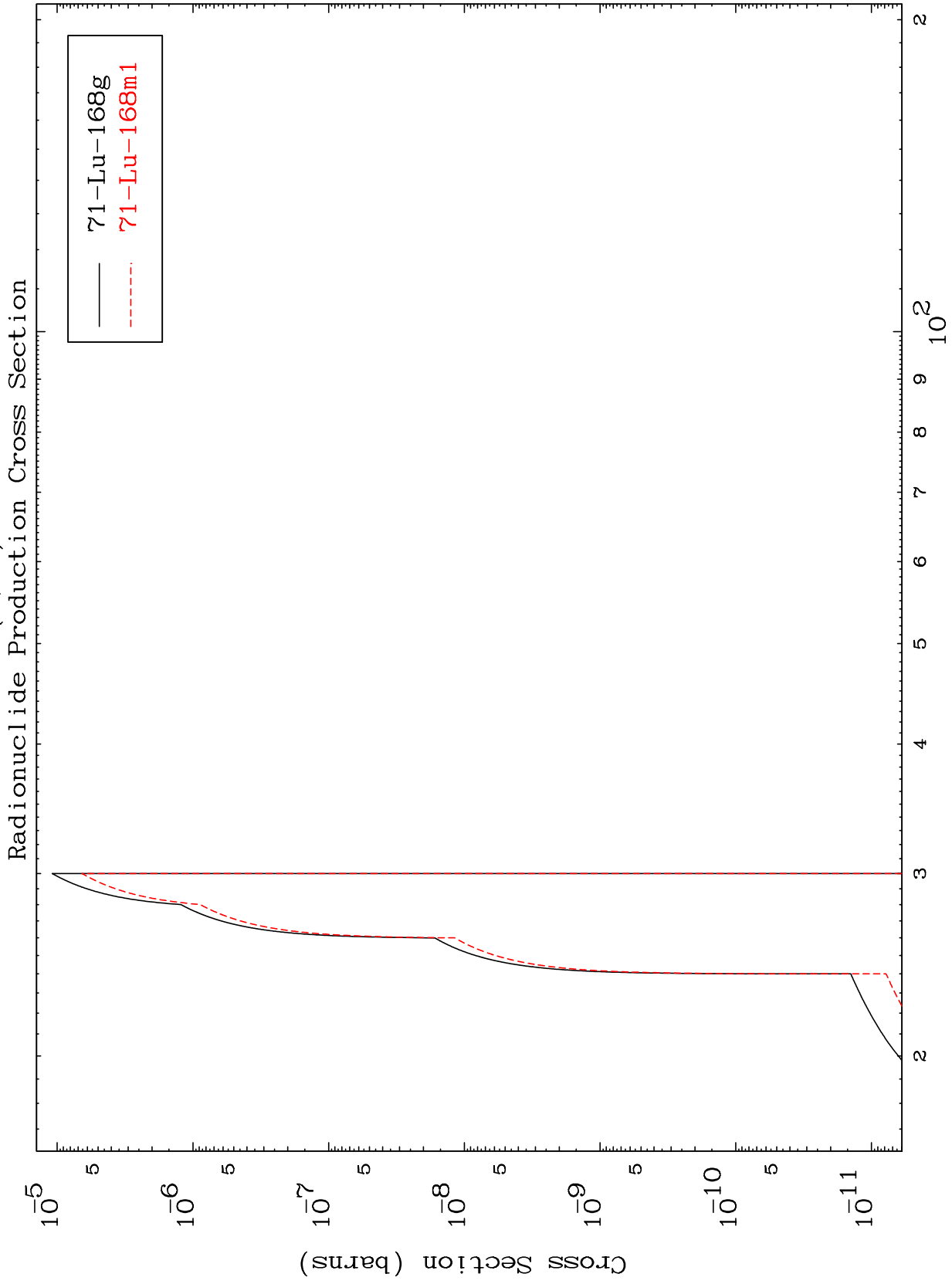
$^{71}\text{Lu-170}$

Incident Energy (MeV)

MAT 7110

$(\alpha, 2n) \alpha$

$^{71}\text{Lu-170}$



12

Incident Energy (MeV)

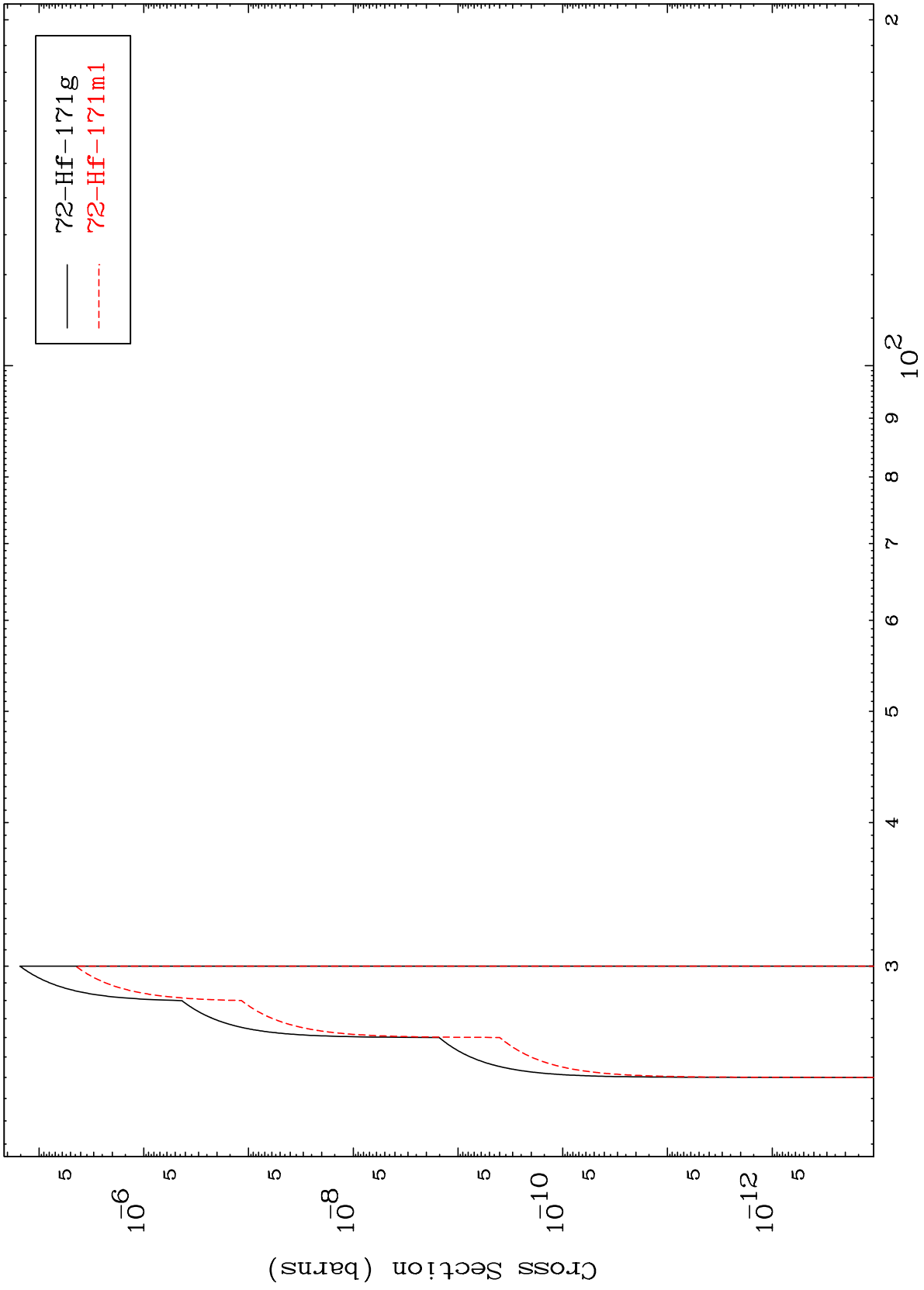
$^{71}\text{Lu-170}$

MAT 7110

(α, n') d

71-Lu-170

Radionuclide Production Cross Section



13

Incident Energy (MeV)

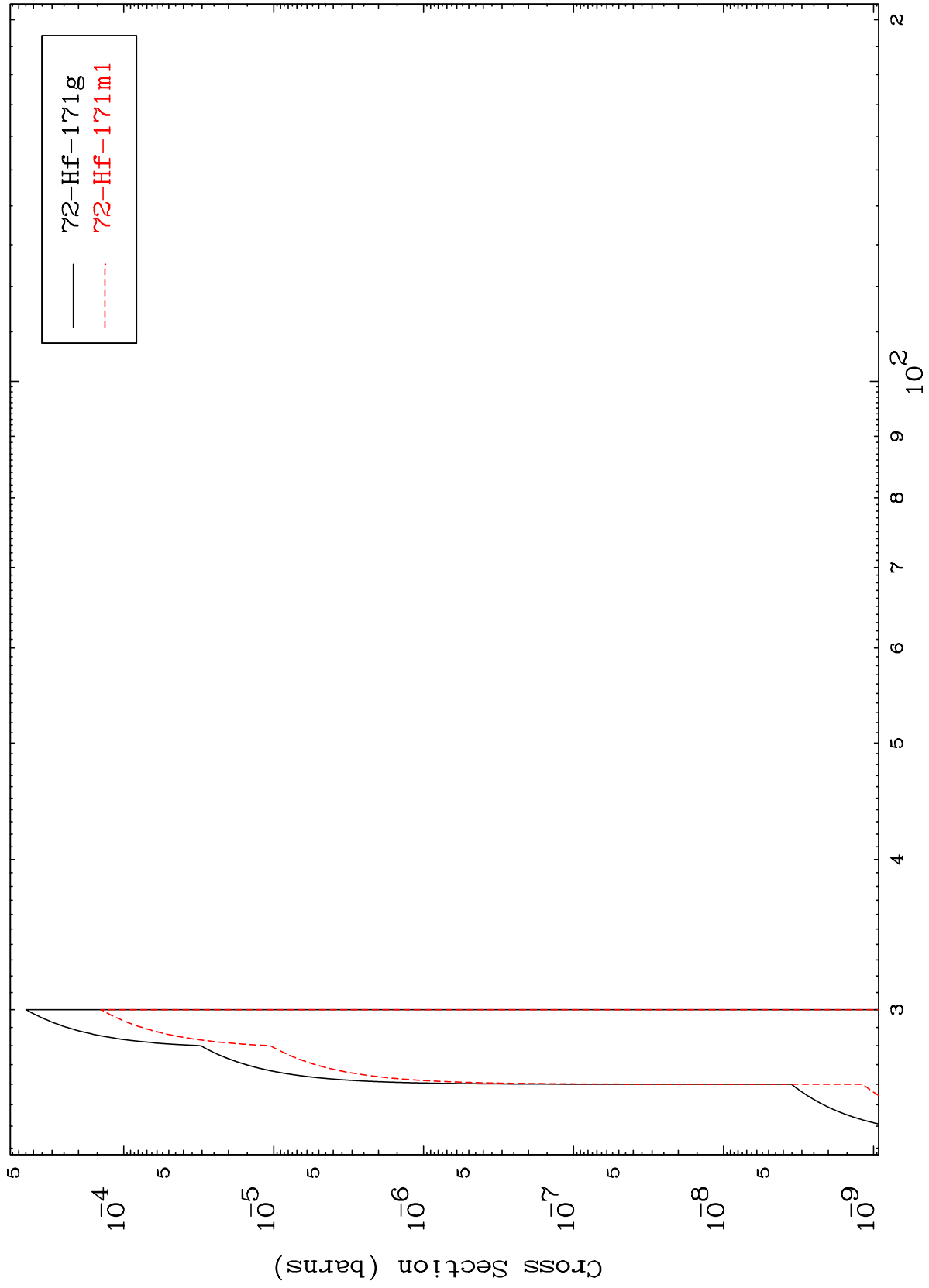
71-Lu-170

MAT 7110

($\alpha, 2n$) p

71-Lu-170

Radionuclide Production Cross Section



14

Incident Energy (MeV)

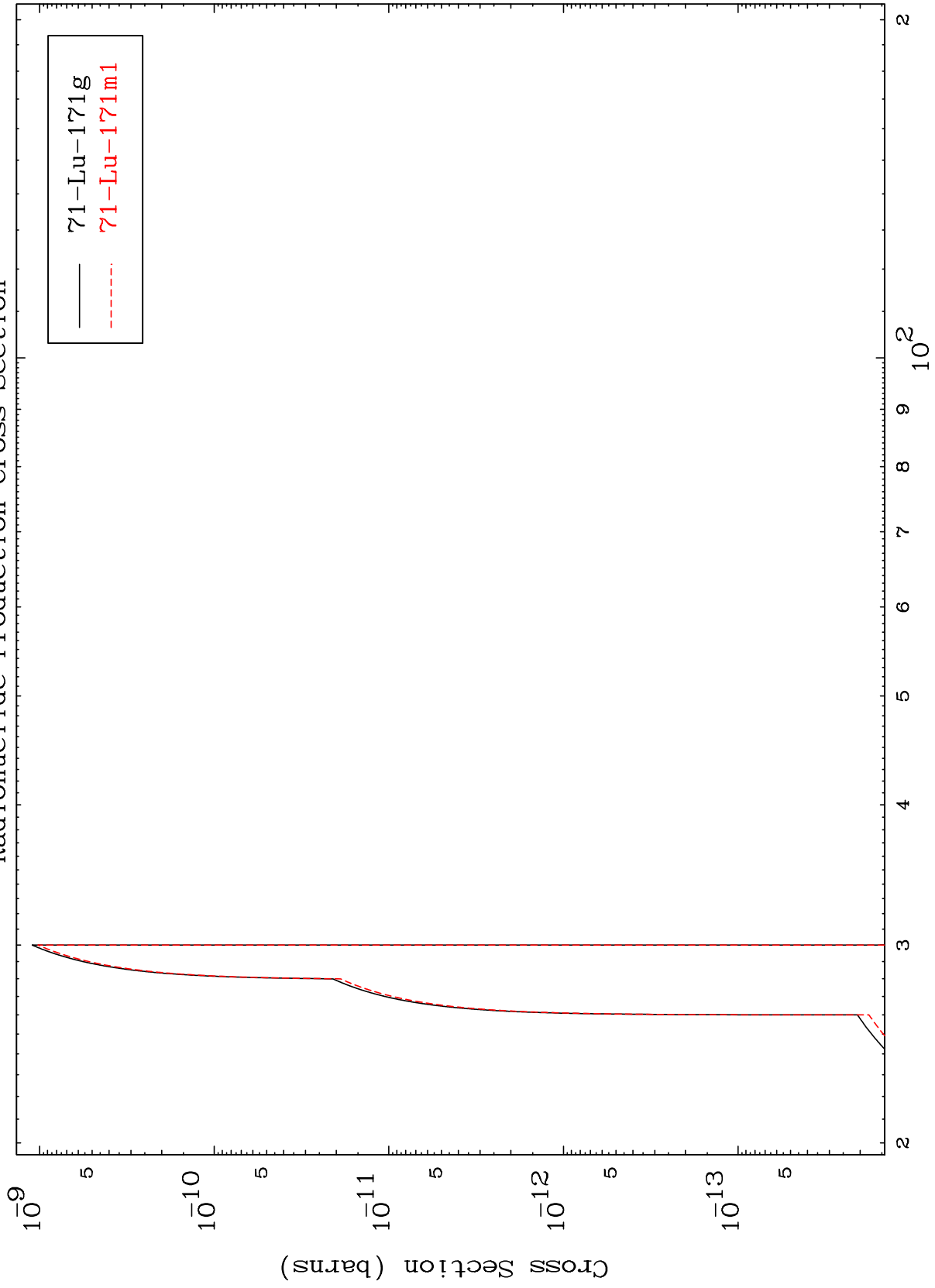
71-Lu-170

MAT 7110

$(\alpha, 2n)$ p

$^{71}\text{Lu-170}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

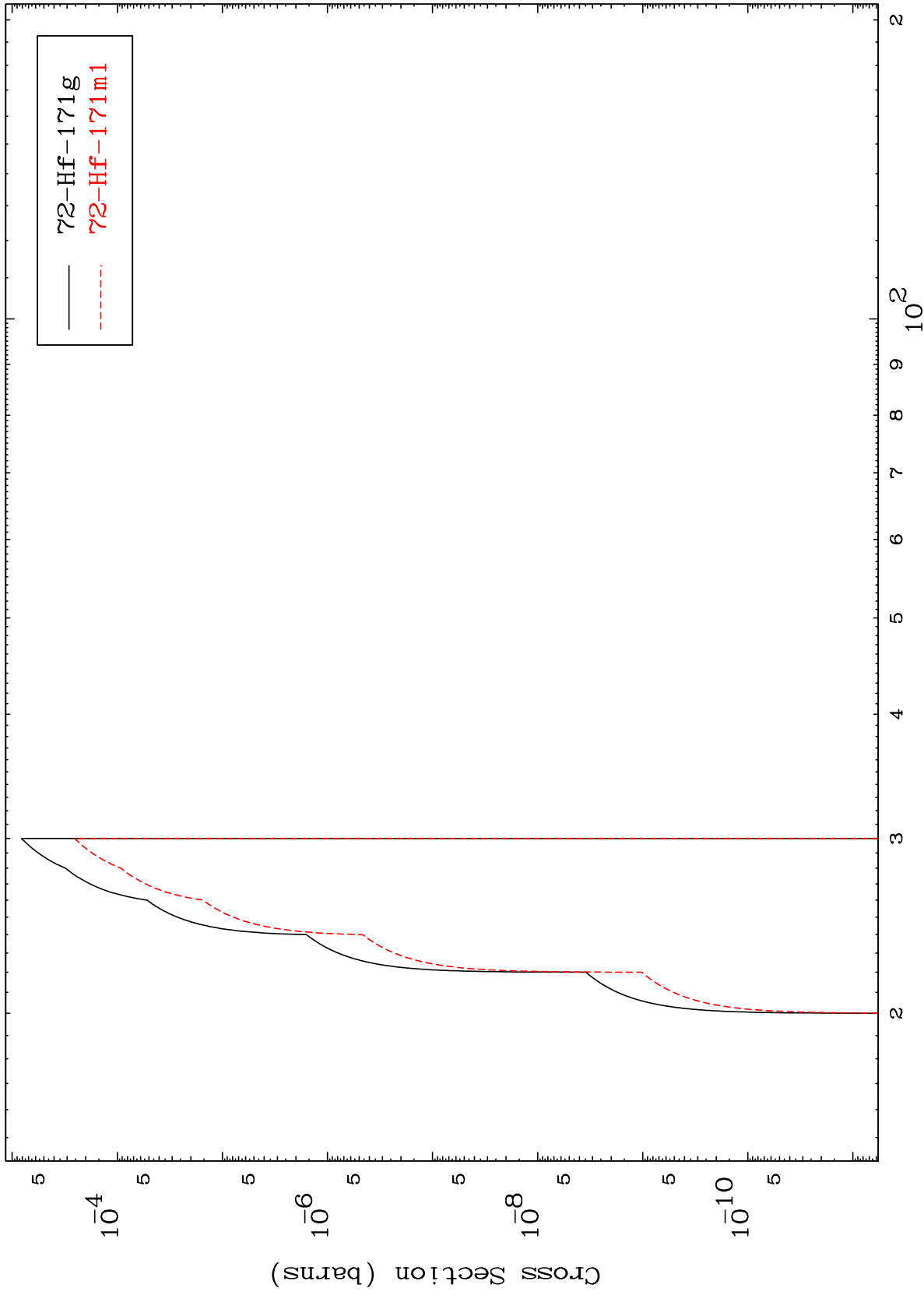
$^{71}\text{Lu-170}$

MAT 7110

(α, t)

⁷¹Lu-170

Radionuclide Production Cross Section



16

Incident Energy (MeV)

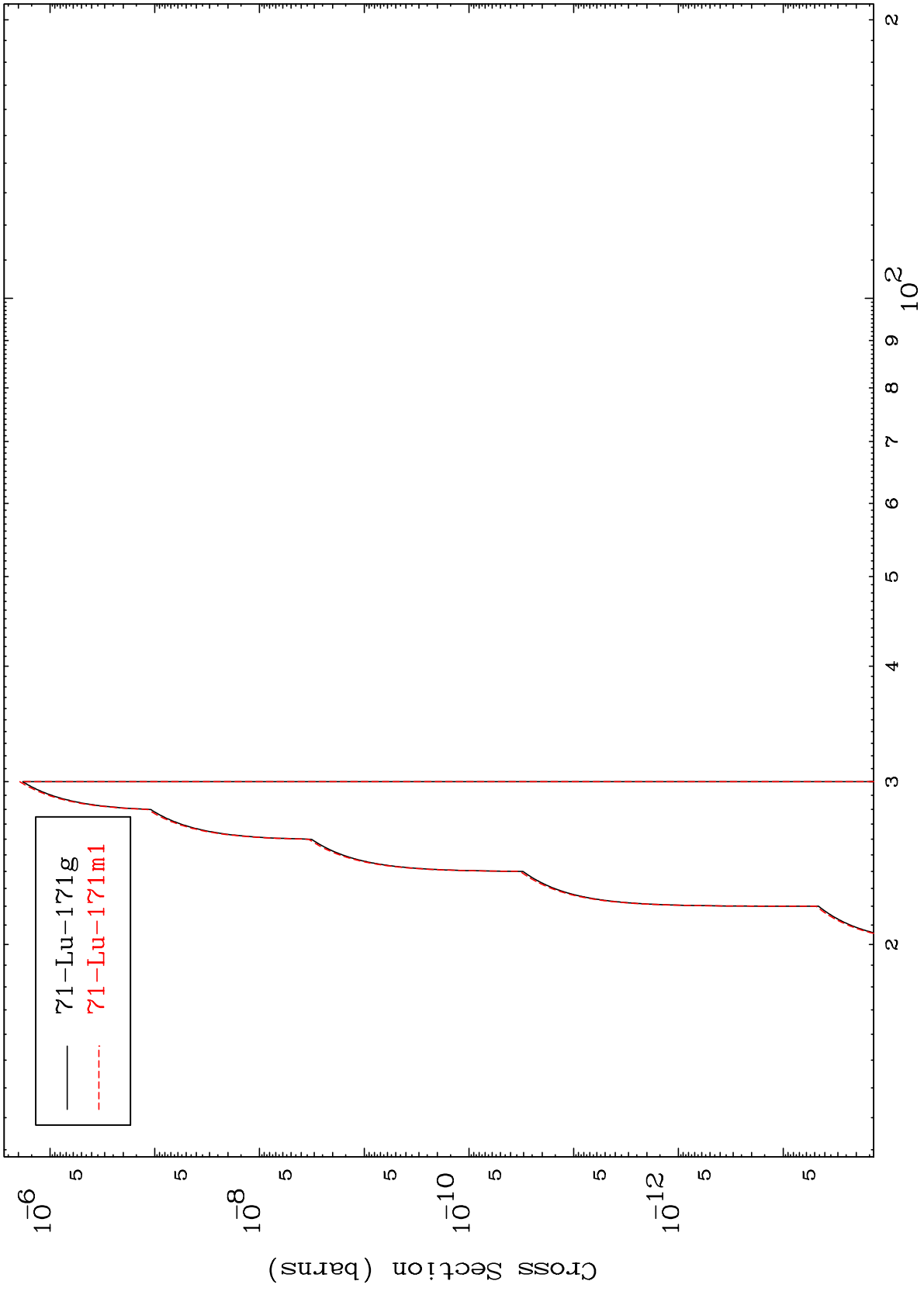
⁷¹Lu-170

MAT 7110

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

71-Lu-170

Radionuclide Production Cross Section



17

Incident Energy (MeV)

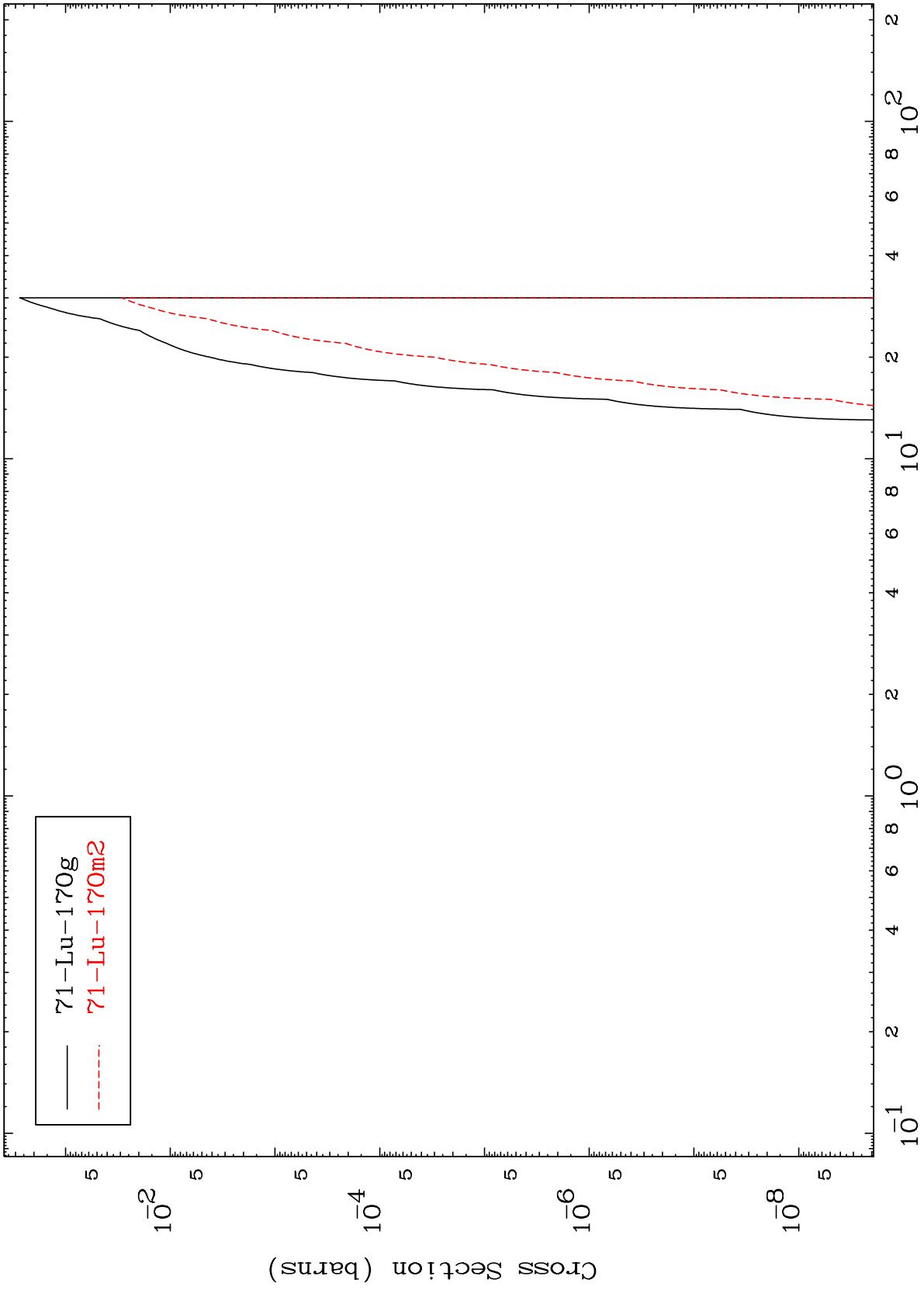
71-Lu-170

MAT 7110

(α, α)

⁷¹Lu-170

Radionuclide Production Cross Section



— ⁷¹Lu-170g
- - - ⁷¹Lu-170m2

18

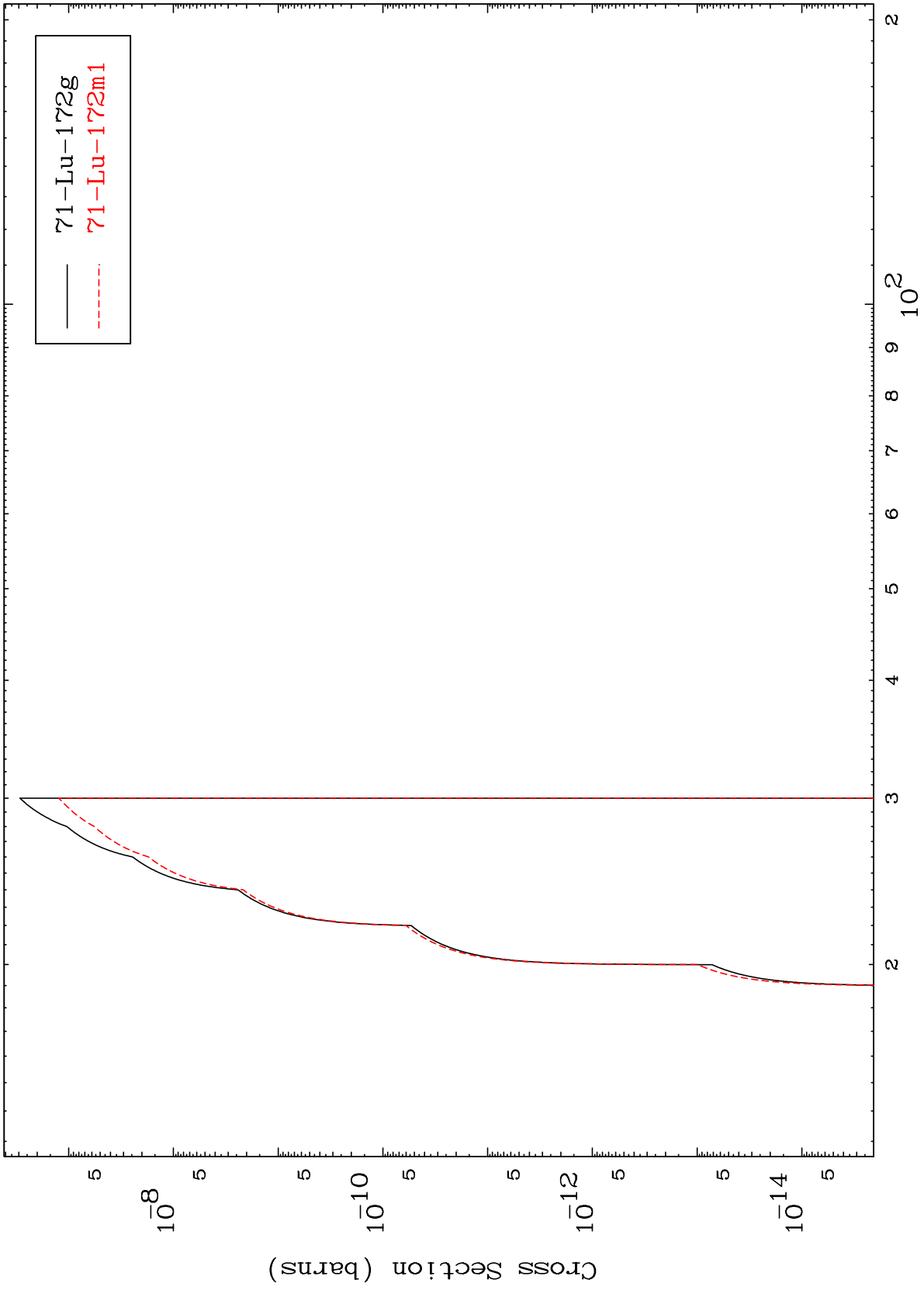
Incident Energy (MeV)

⁷¹Lu-170

MAT 7110

71-Lu-170

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



19

71-Lu-170

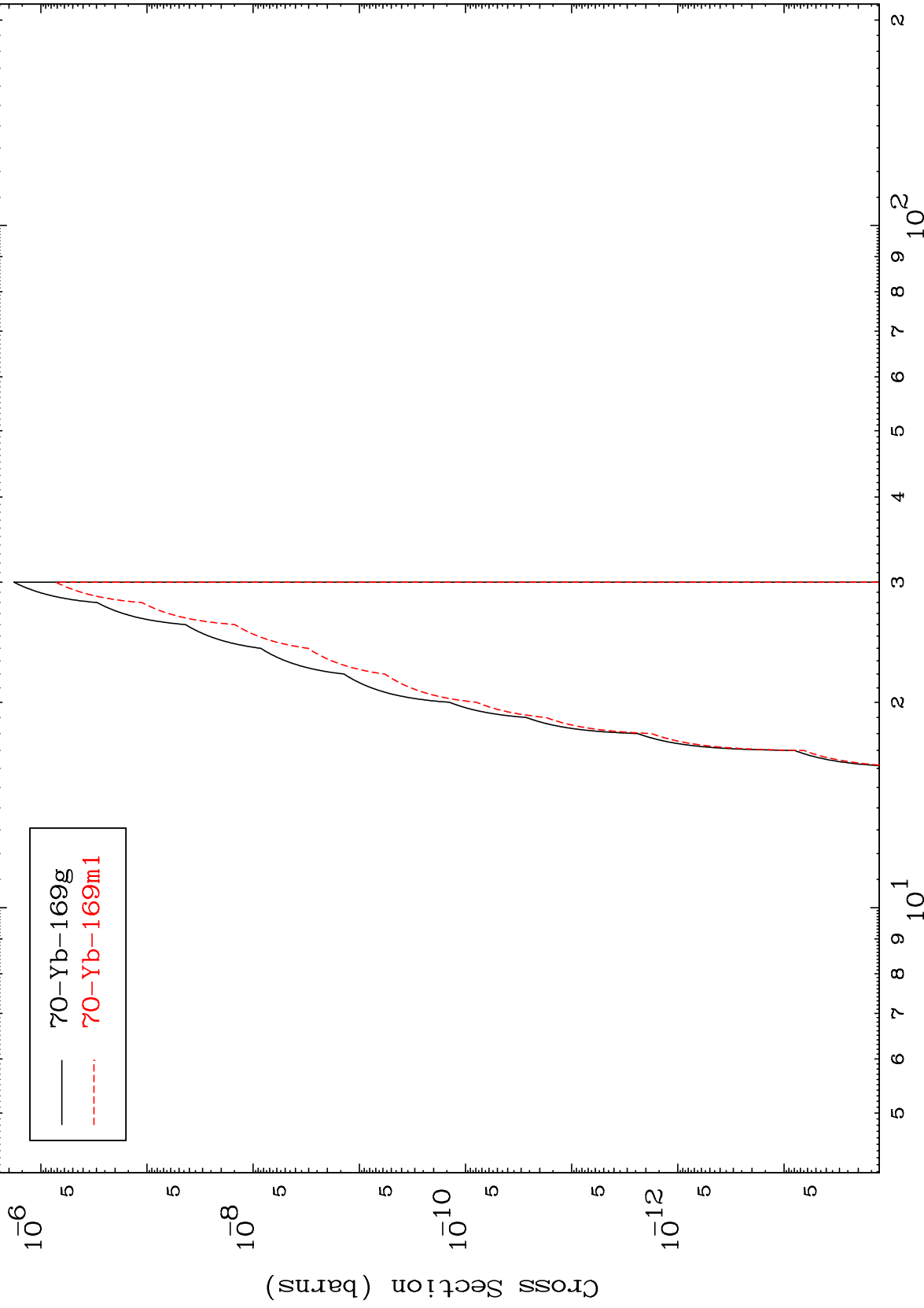
Incident Energy (MeV)

MAT 7110

(α, p) α

⁷¹Lu-170

Radionuclide Production Cross Section



20

Incident Energy (MeV)

⁷¹Lu-170