

Program EVALPLOT
(Version 2018-1)

by

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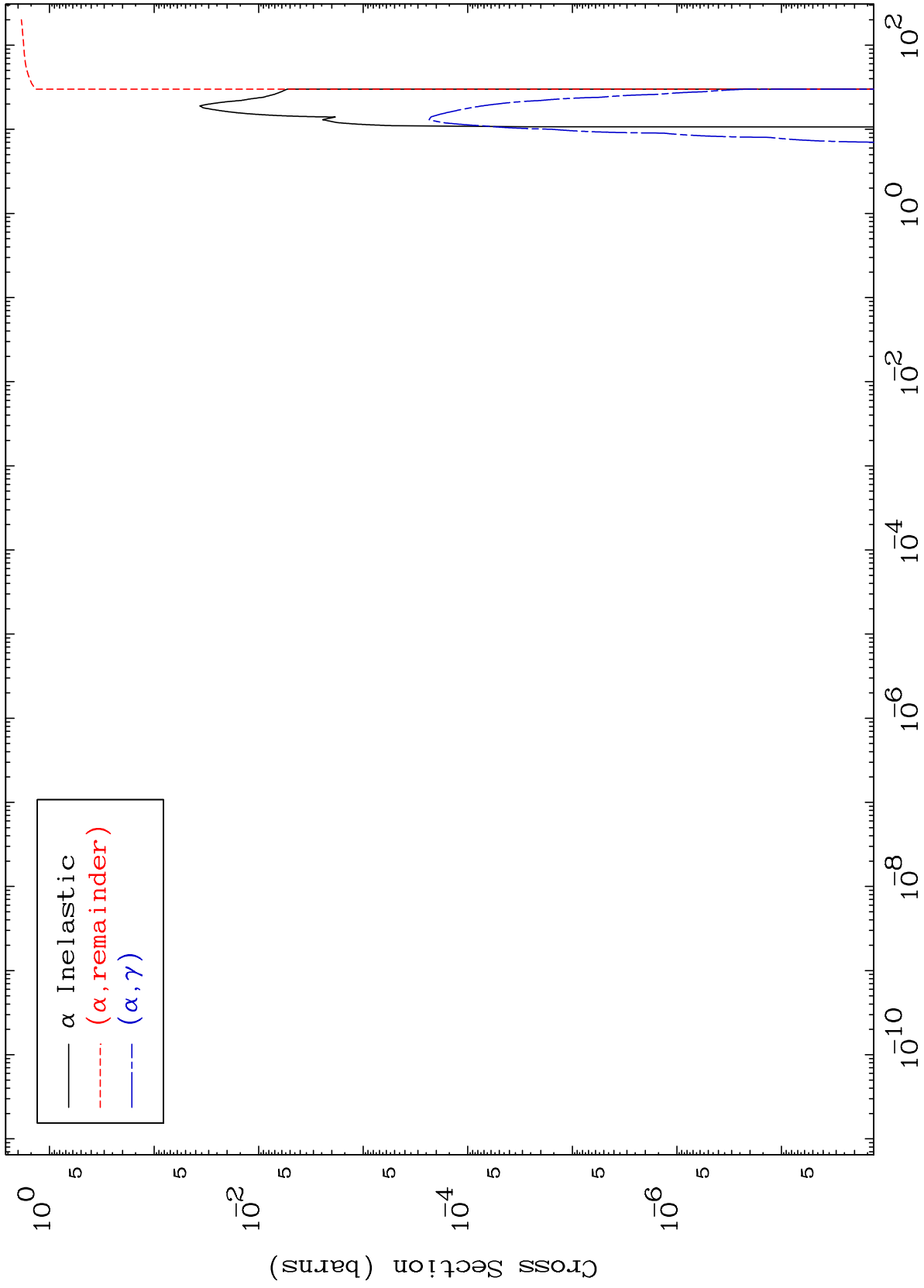
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4007

0 Kelvin α Major
Cross Sections

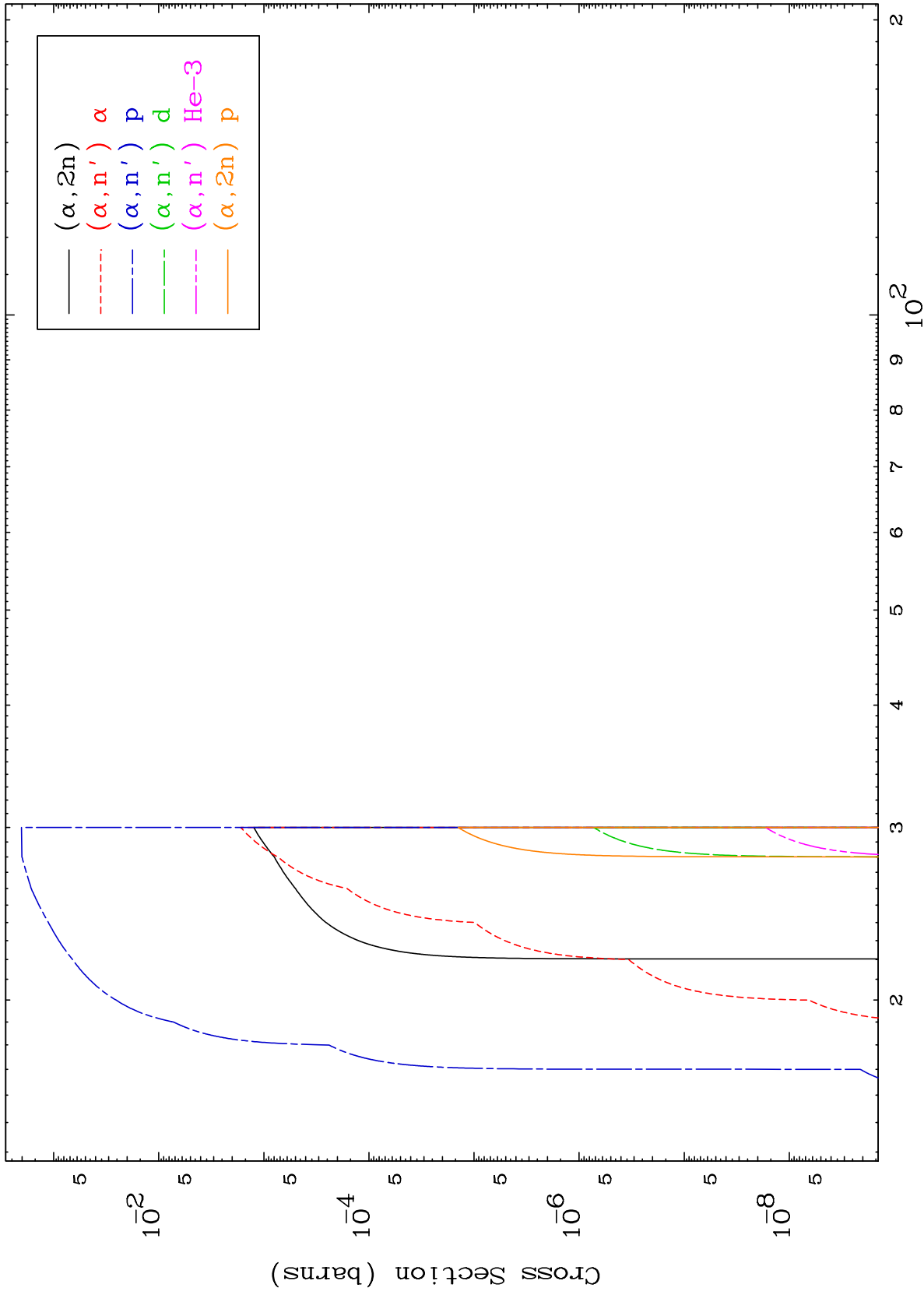
40-Zr-84



MAT 4007

α Neutron Production
0 Kelvin Cross Sections

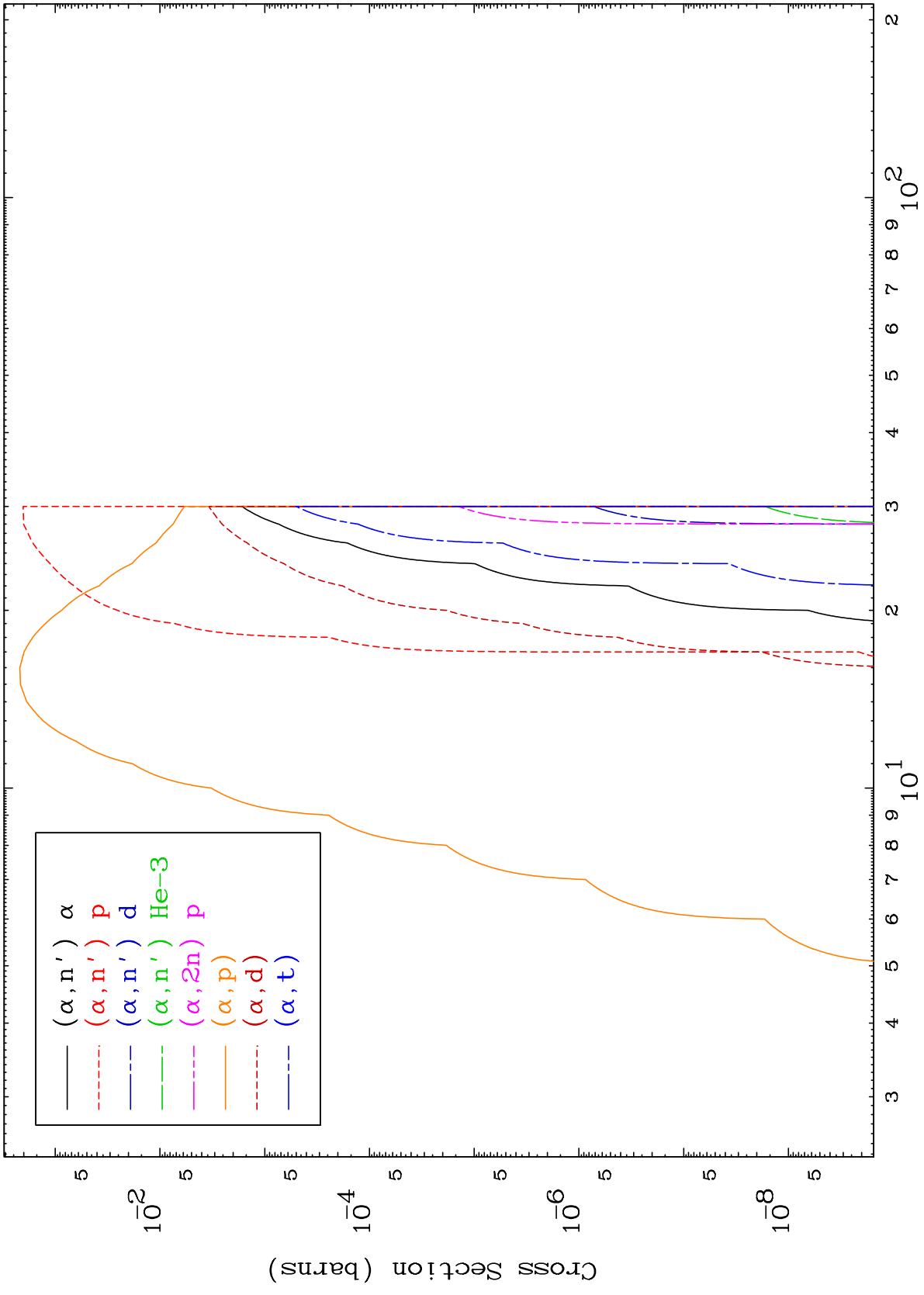
40-Zr-84



2

Incident Energy (MeV)

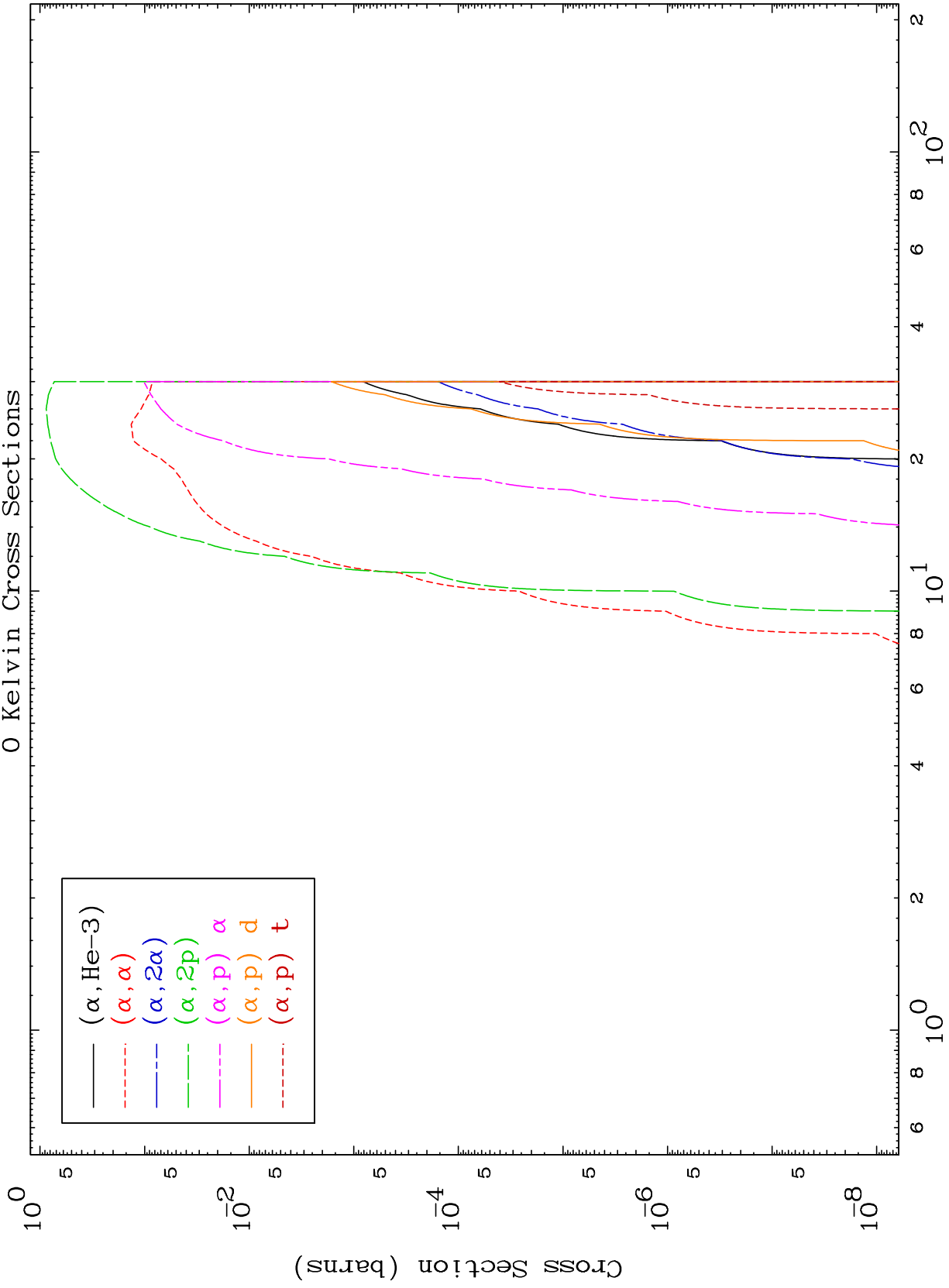
40-Zr-84



MAT 4007

α Charged Particle
0 Kelvin Cross Sections

40-Zr-84



4

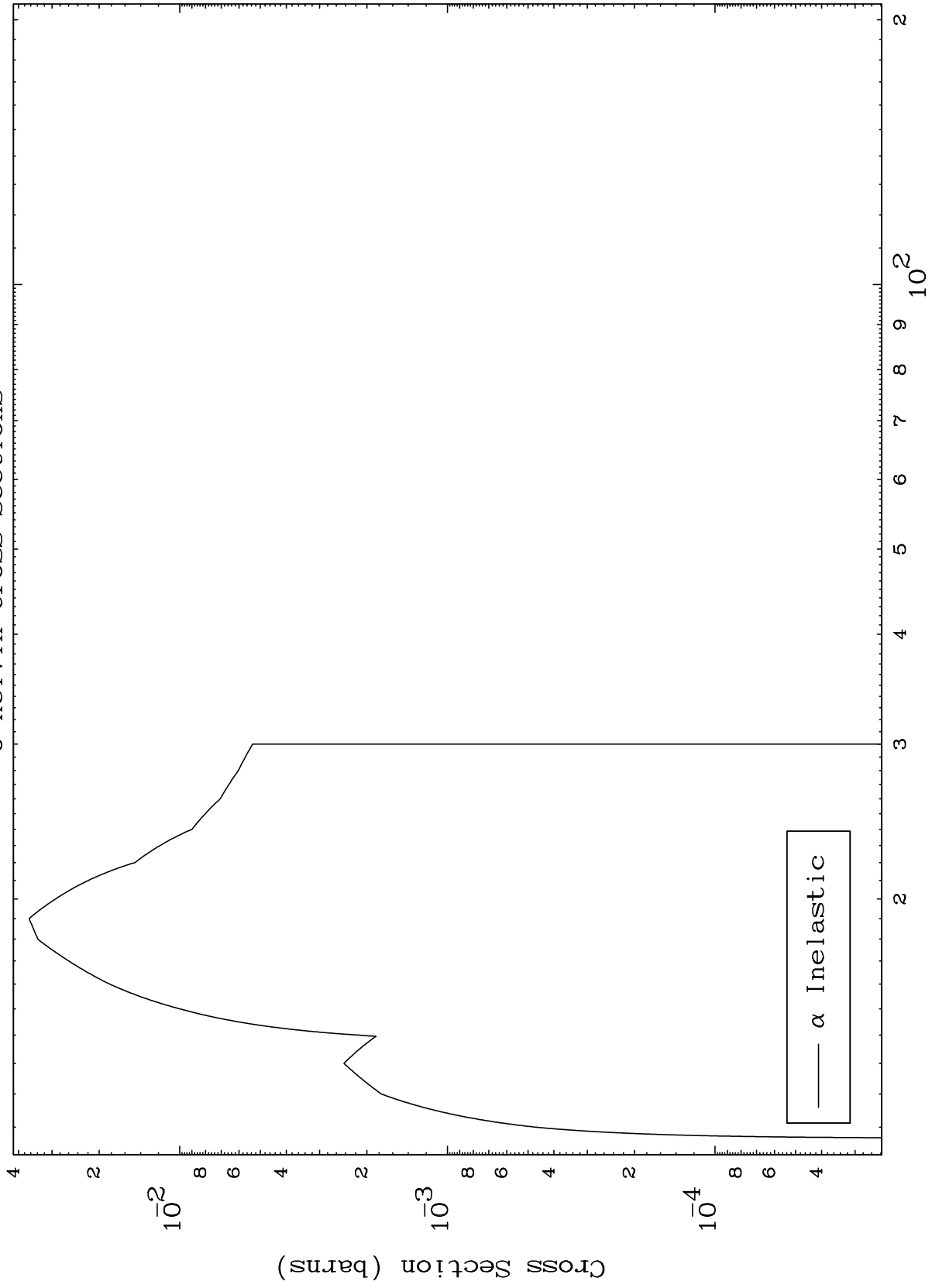
Incident Energy (MeV)

40-Zr-84

MAT 4007

(α, n') Level
0 Kelvin Cross Sections

40-Zr-84



5

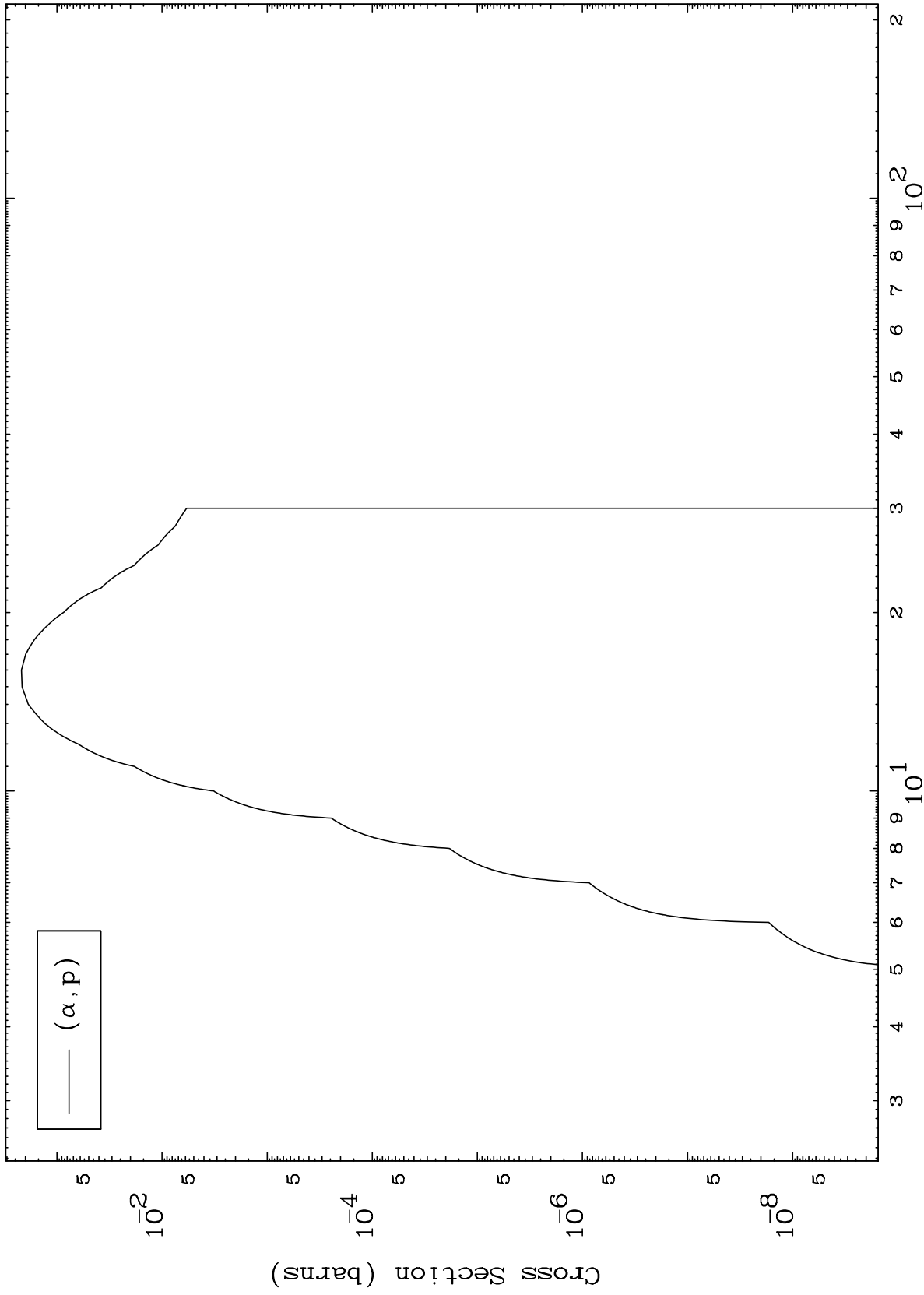
Incident Energy (MeV)

40-Zr-84

MAT 4007

(α, p) Levels
0 Kelvin Cross Sections

40-Zr-84



6

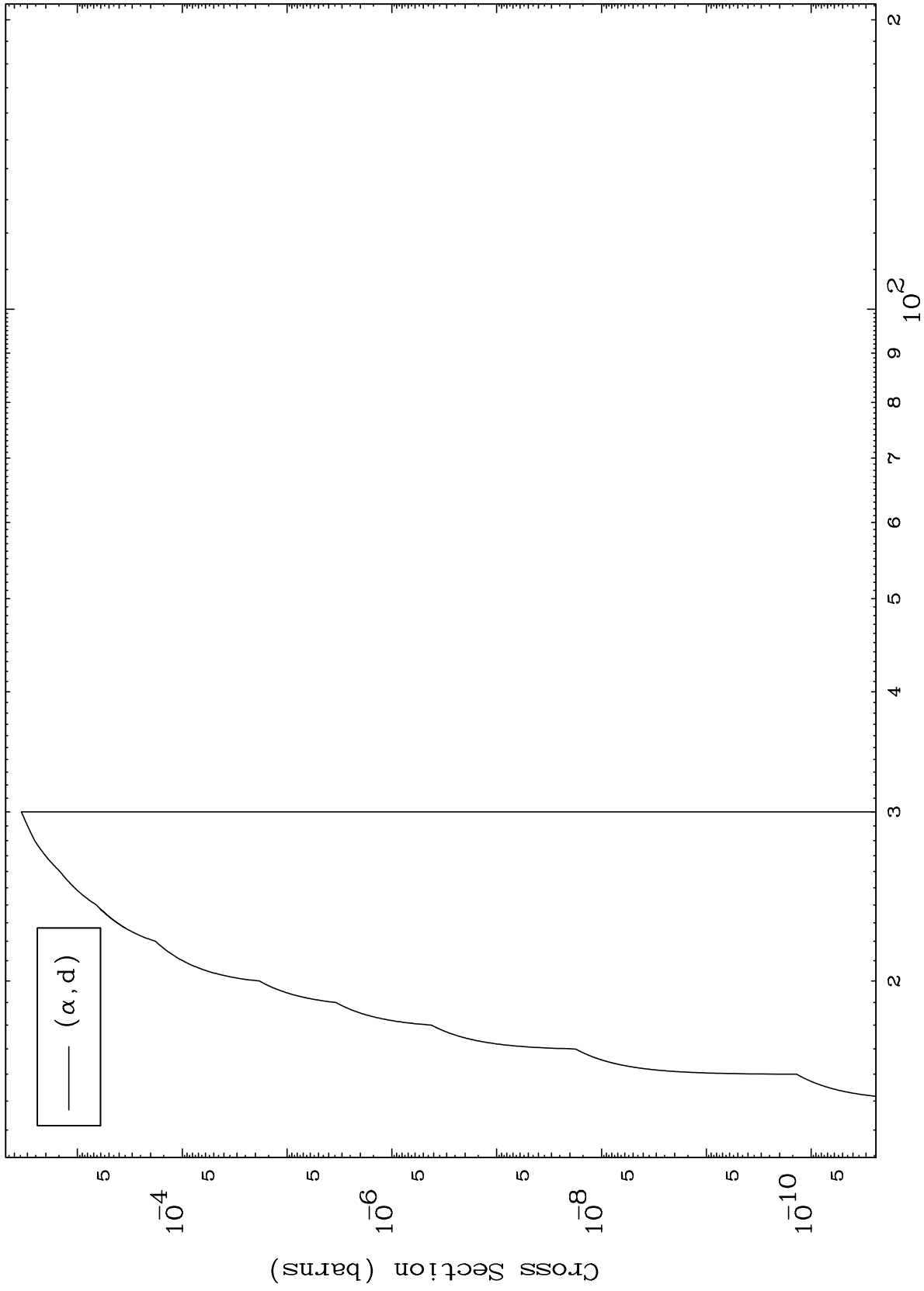
Incident Energy (MeV)

40-Zr-84

MAT 4007

(α, d) Levels
0 Kelvin Cross Sections

40-Zr-84



7

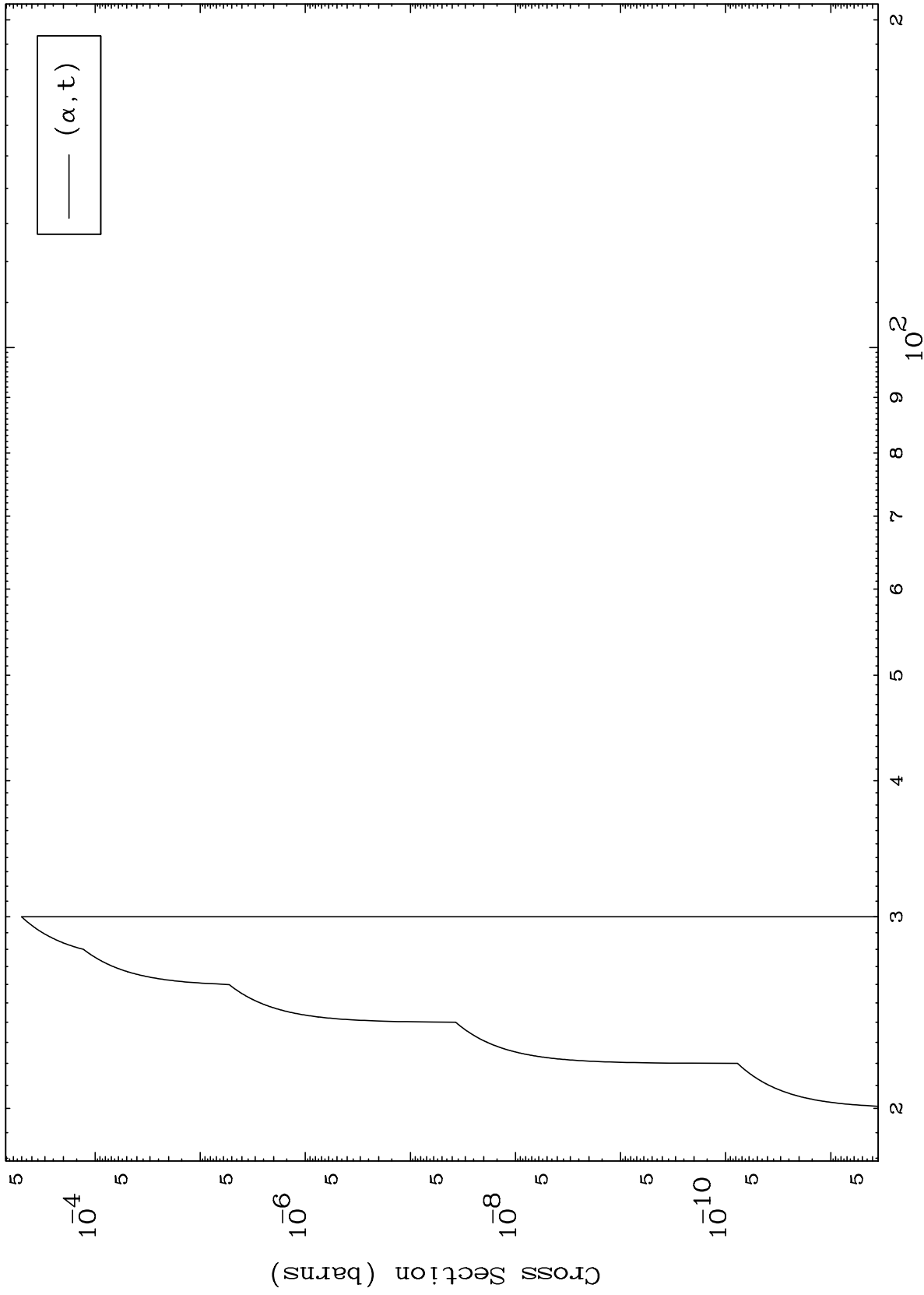
Incident Energy (MeV)

40-Zr-84

MAT 4007

(α, t) Levels
0 Kelvin Cross Sections

40-Zr-84



8

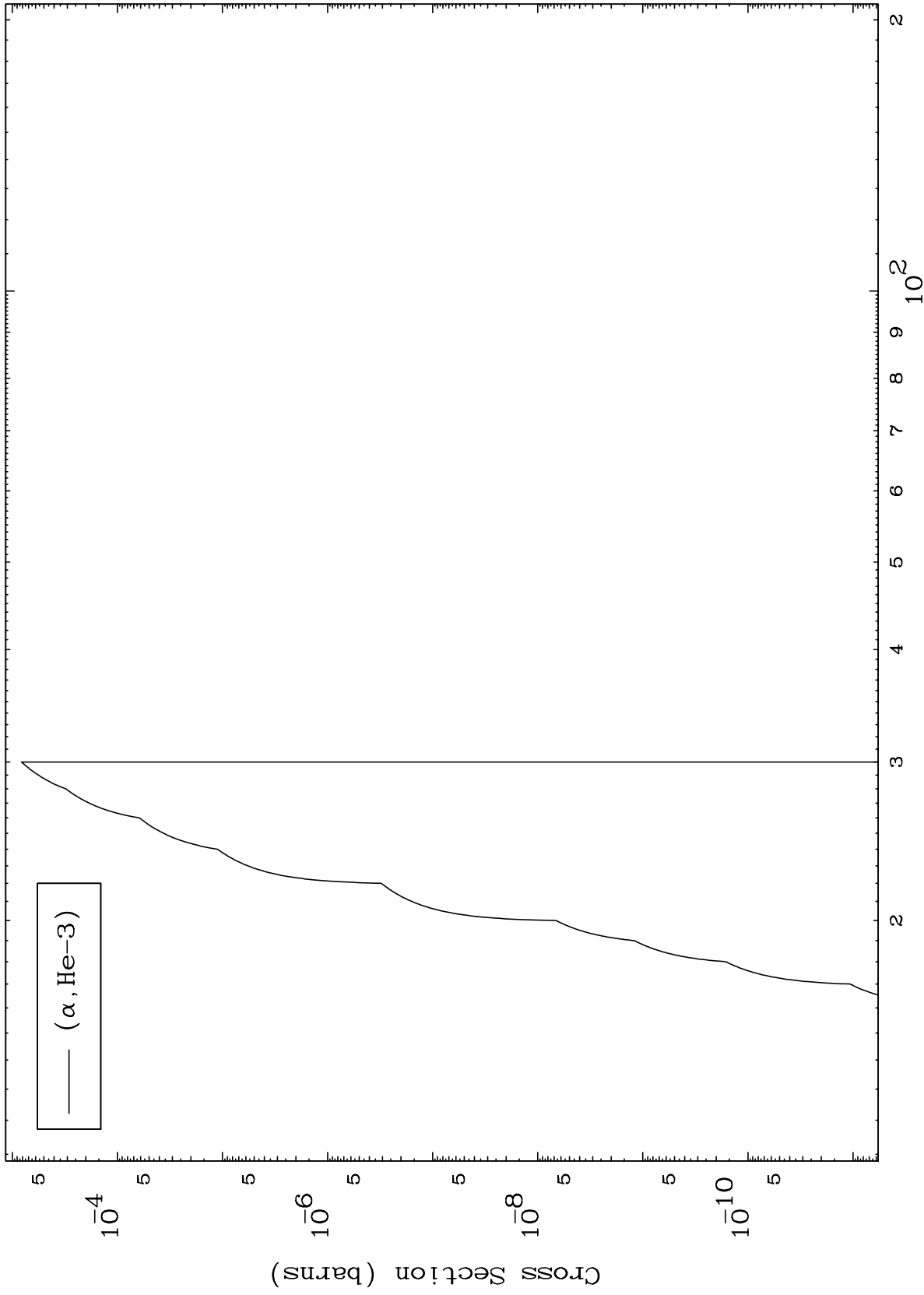
Incident Energy (MeV)

40-Zr-84

MAT 4007

(α ,He3) Levels
0 Kelvin Cross Sections

40-Zr-84



9

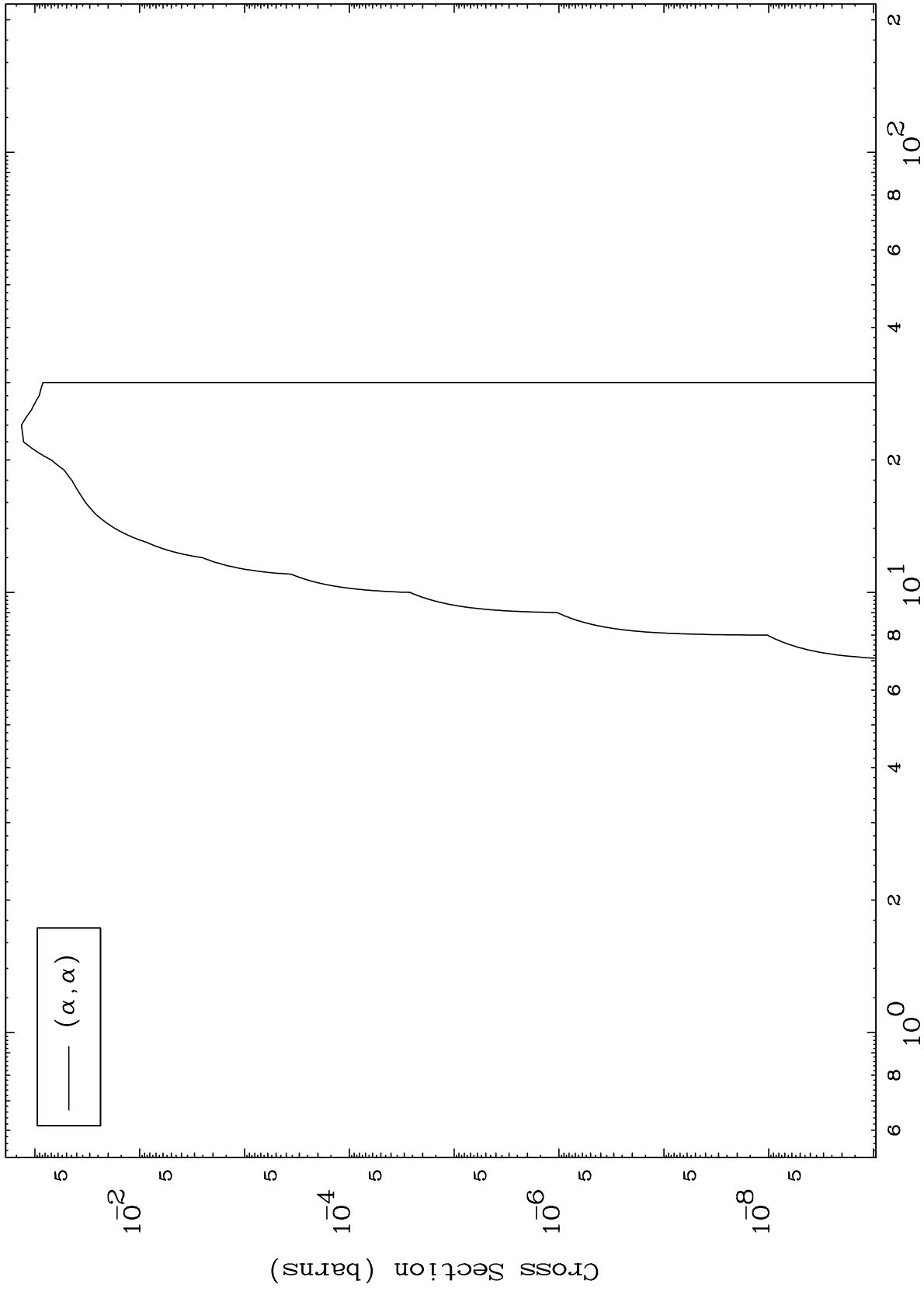
Incident Energy (MeV)

40-Zr-84

MAT 4007

(α, α) Levels
0 Kelvin Cross Sections

40-Zr-84



10

Incident Energy (MeV)

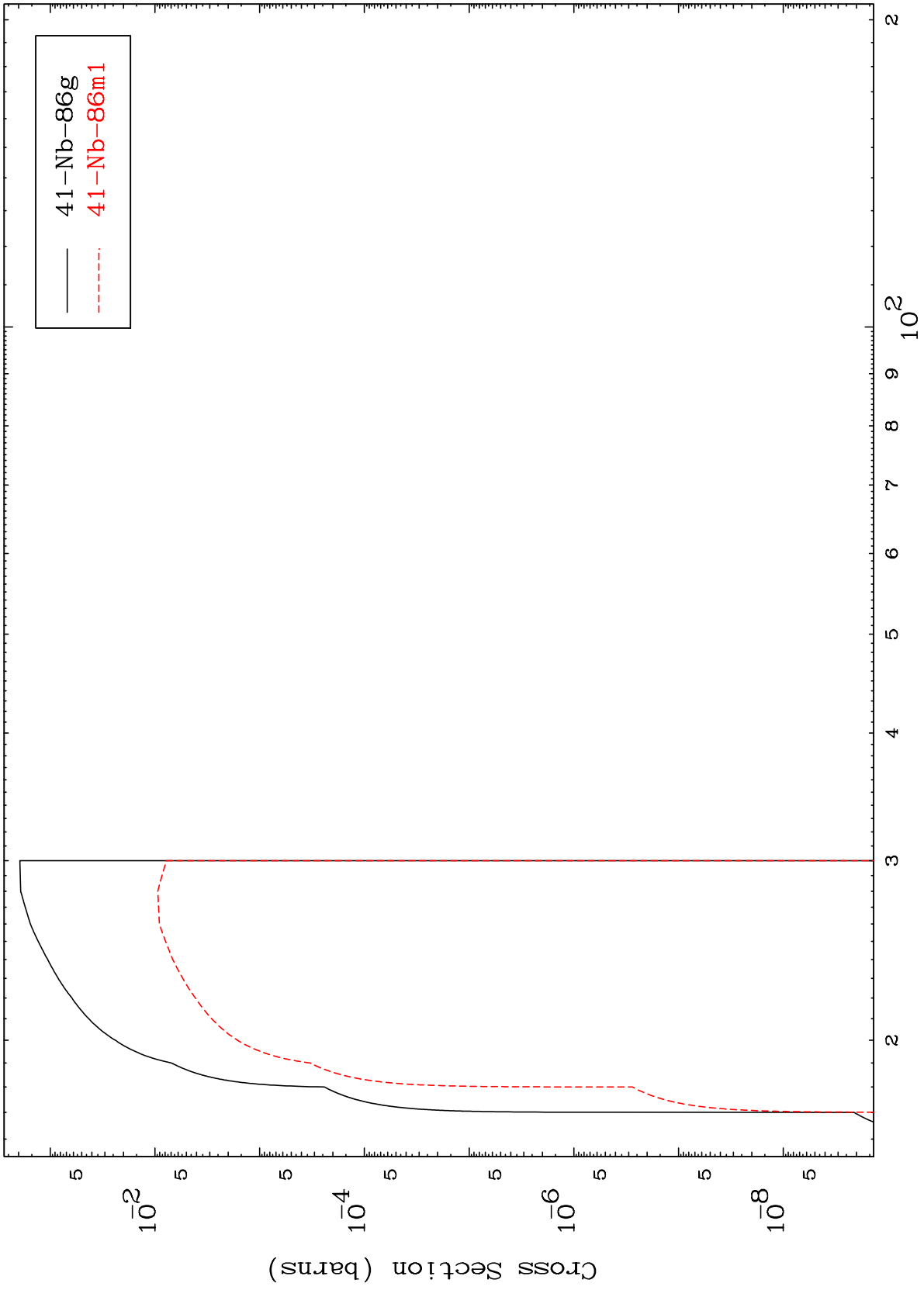
40-Zr-84

MAT 4007

(α, n') p

40-Zr-84

Radionuclide Production Cross Section



11

Incident Energy (MeV)

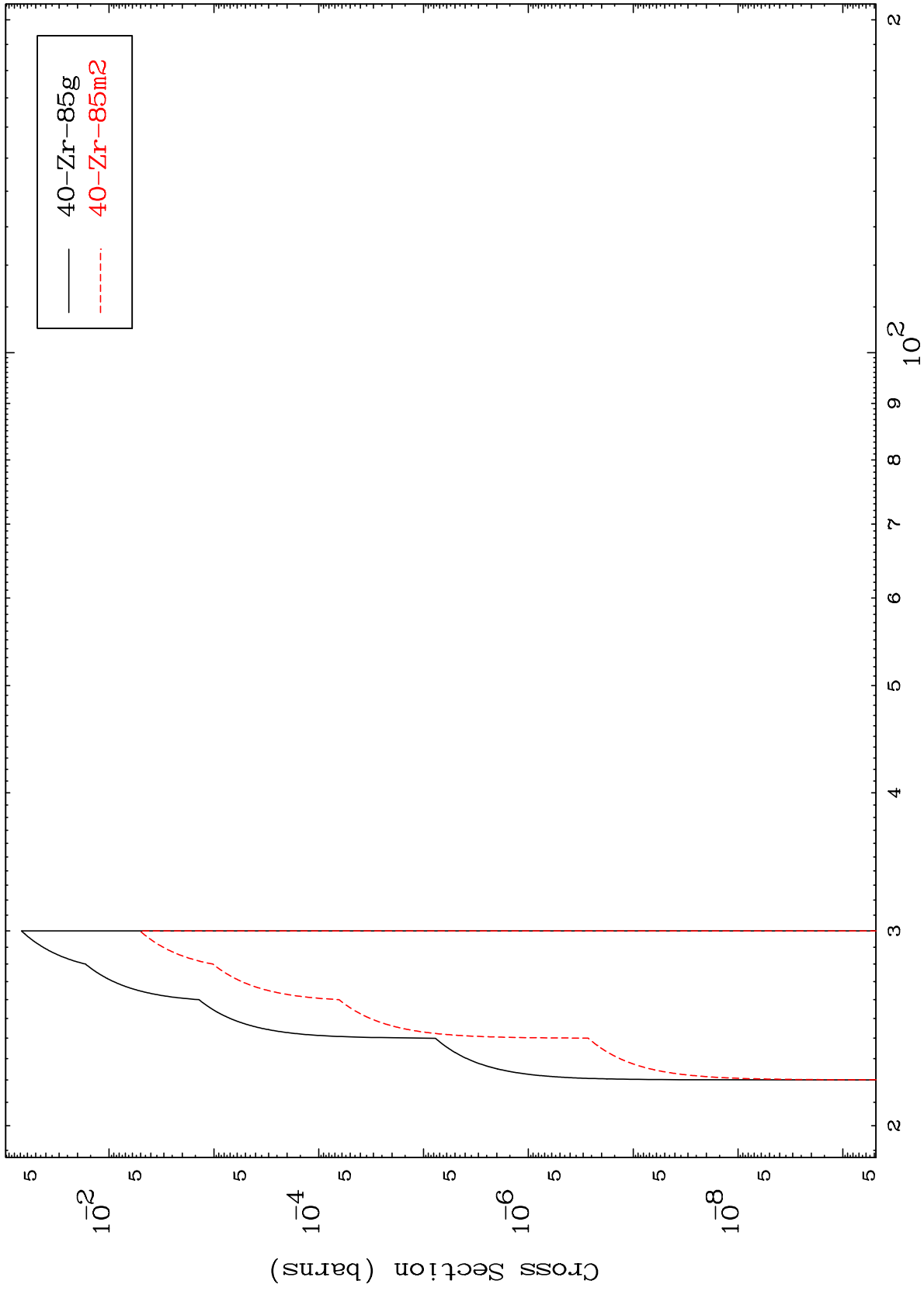
40-Zr-84

MAT 4007

($\alpha, 2n$) p

40-Zr-84

Radionuclide Production Cross Section



12

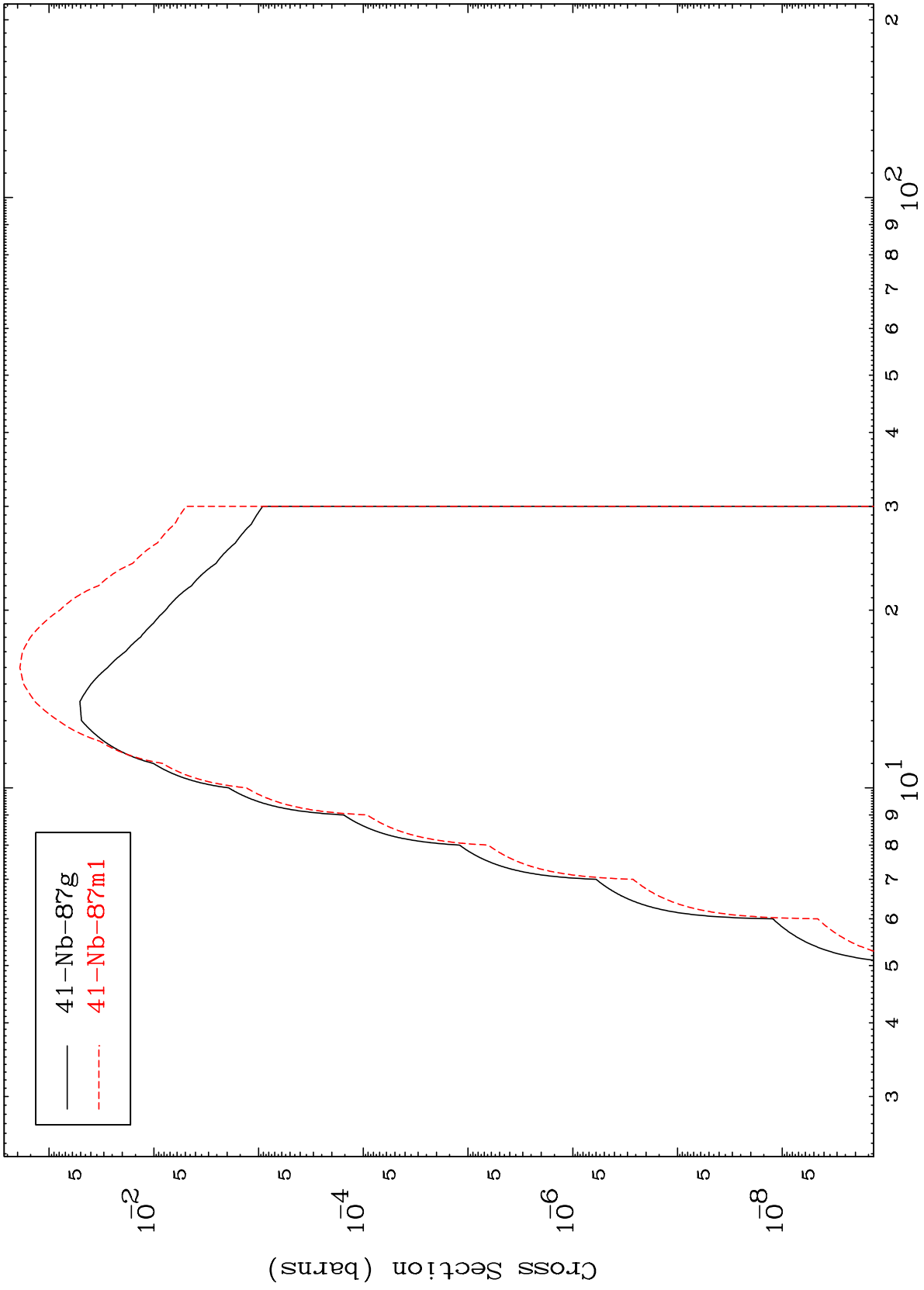
Incident Energy (MeV)

40-Zr-84

MAT 4007

40-Zr-84

Radionuclide Production Cross Section
(α, p)



13

Incident Energy (MeV)

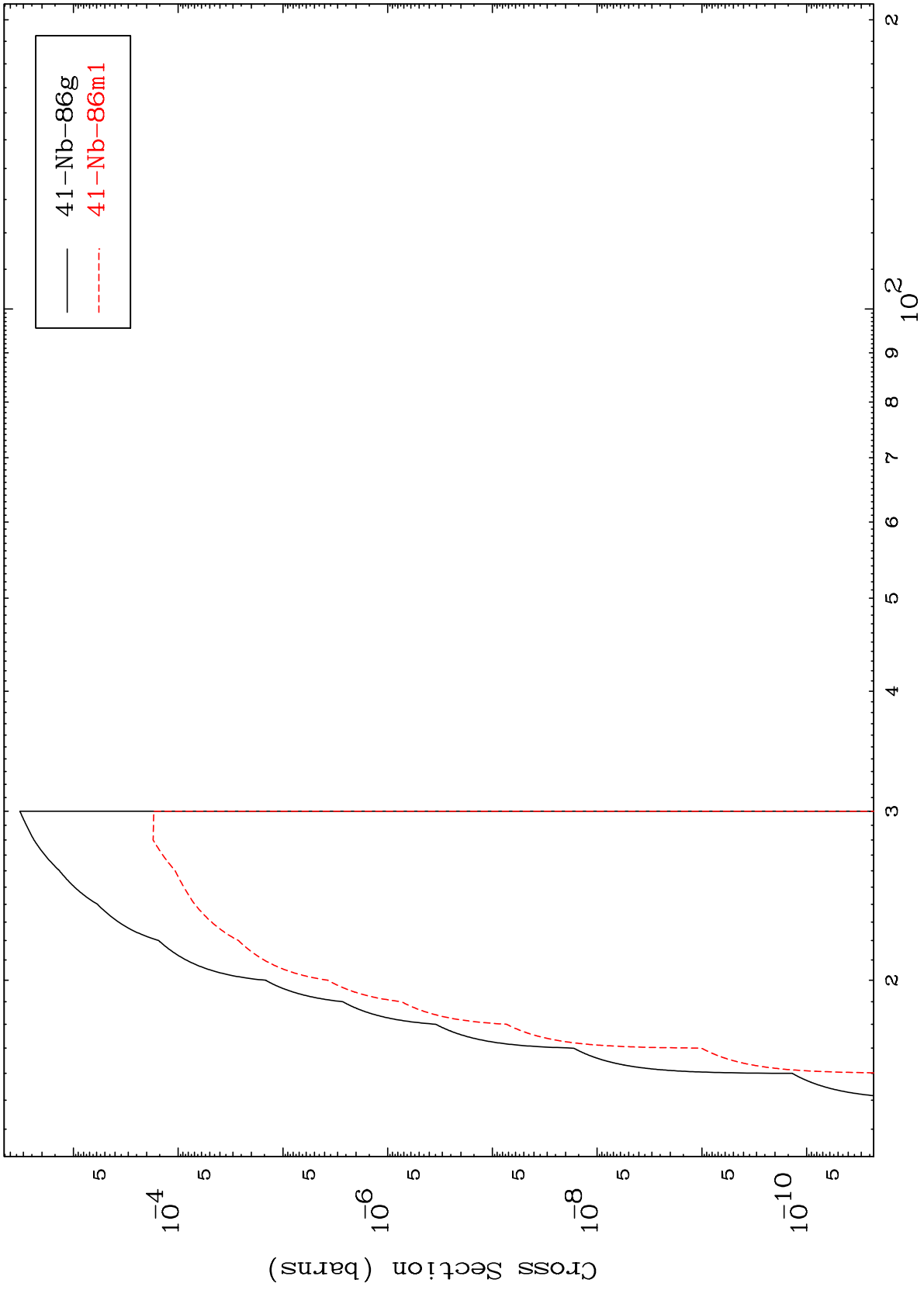
40-Zr-84

MAT 4007

(α, d)

40-Zr-84

Radionuclide Production Cross Section



14

Incident Energy (MeV)

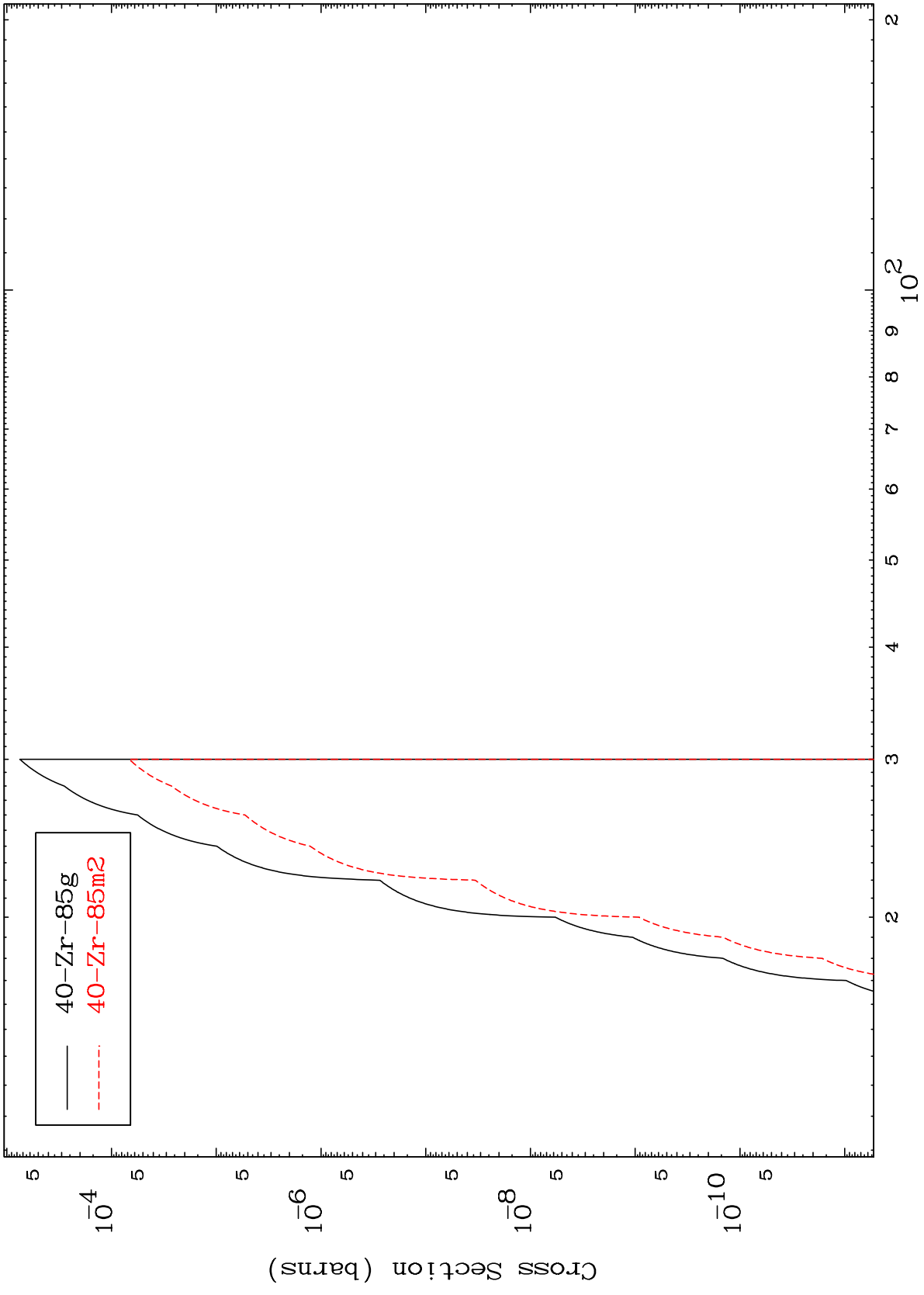
40-Zr-84

MAT 4007

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

40-Zr-84

Radionuclide Production Cross Section



40-Zr-85g
40-Zr-85m2

15

Incident Energy (MeV)

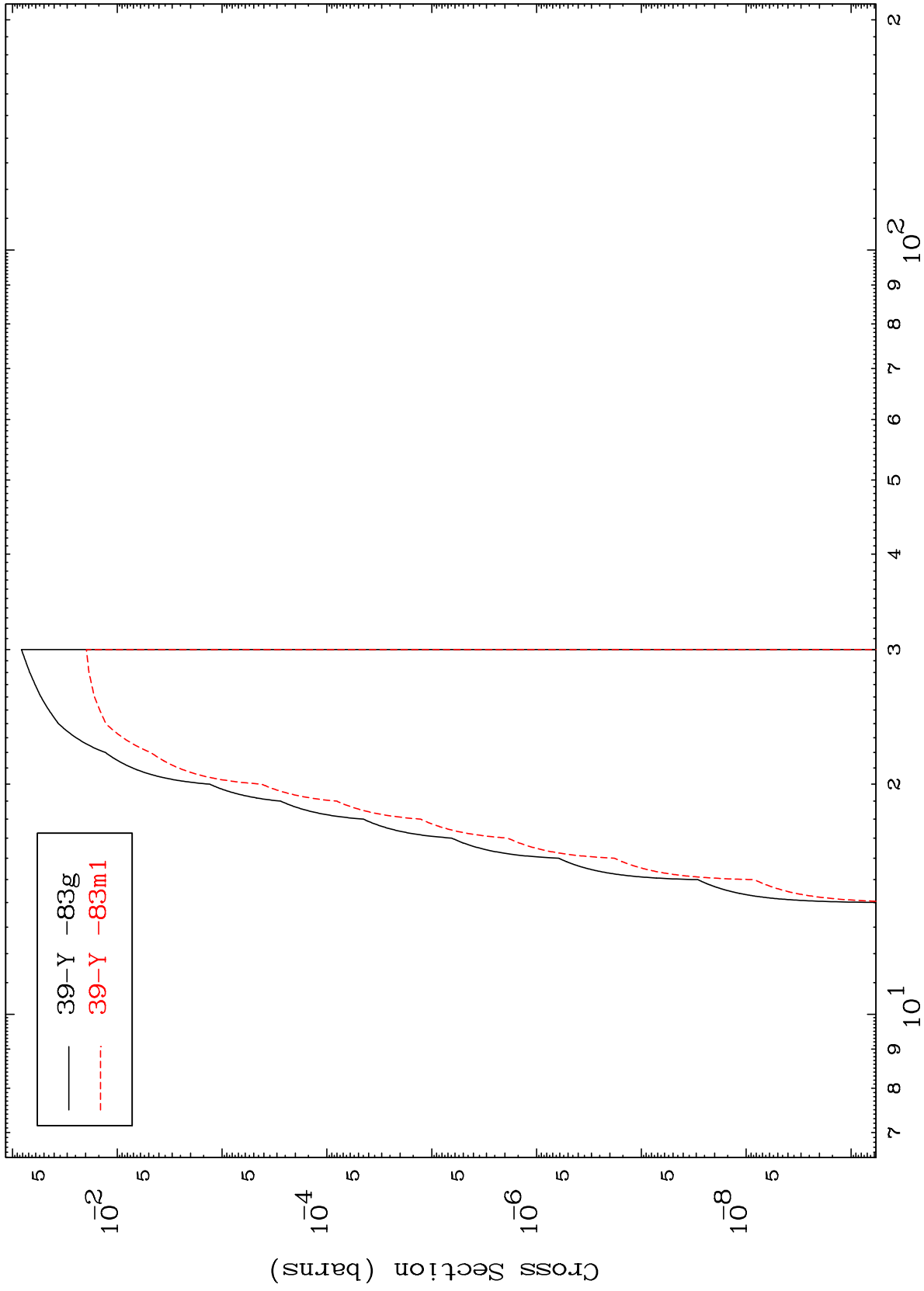
40-Zr-84

MAT 4007

(α, p) α

40-Zr-84

Radionuclide Production Cross Section



16

Incident Energy (MeV)

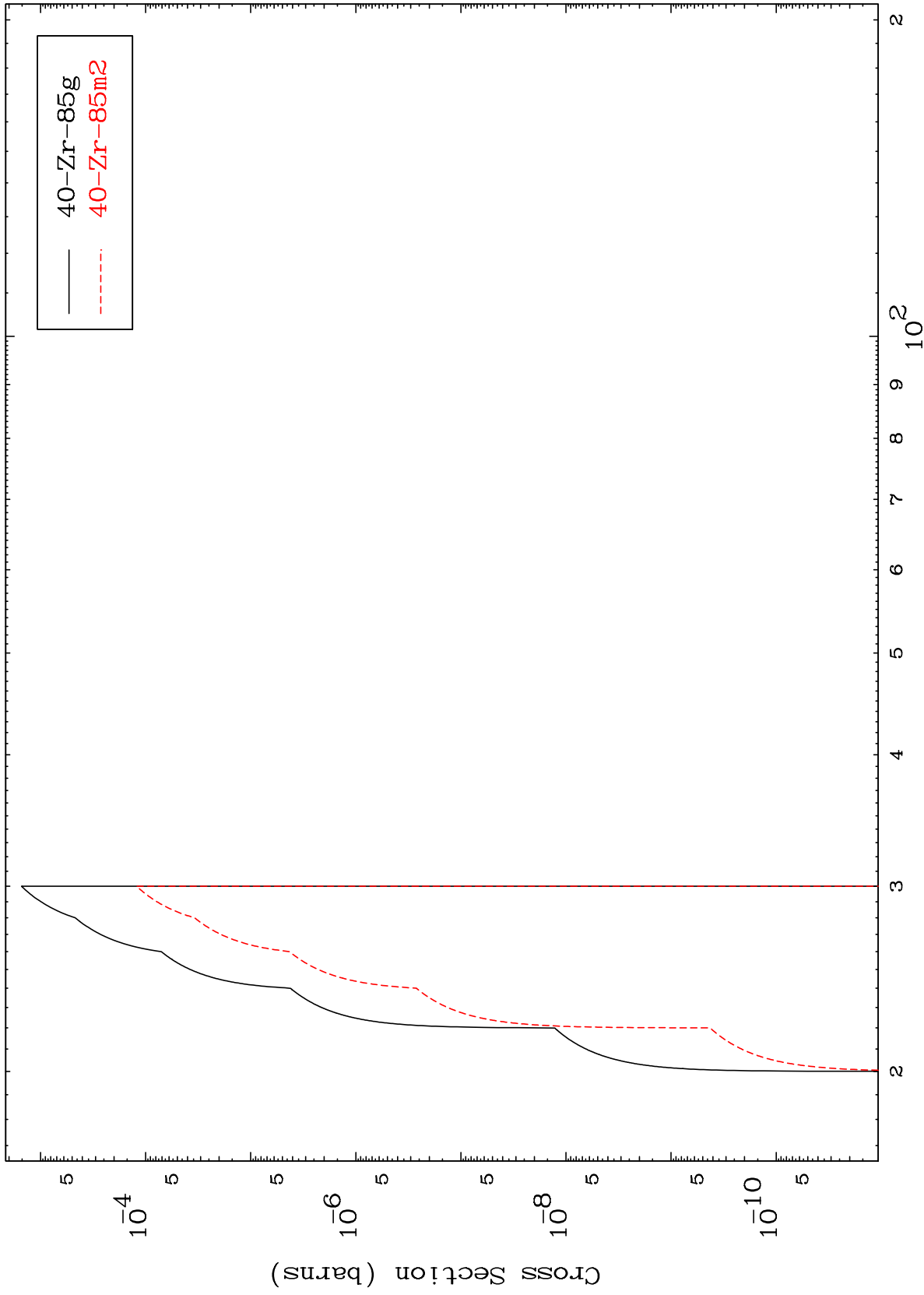
40-Zr-84

MAT 4007

(α, p) d

40-Zr-84

Radionuclide Production Cross Section



17

Incident Energy (MeV)

40-Zr-84