

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

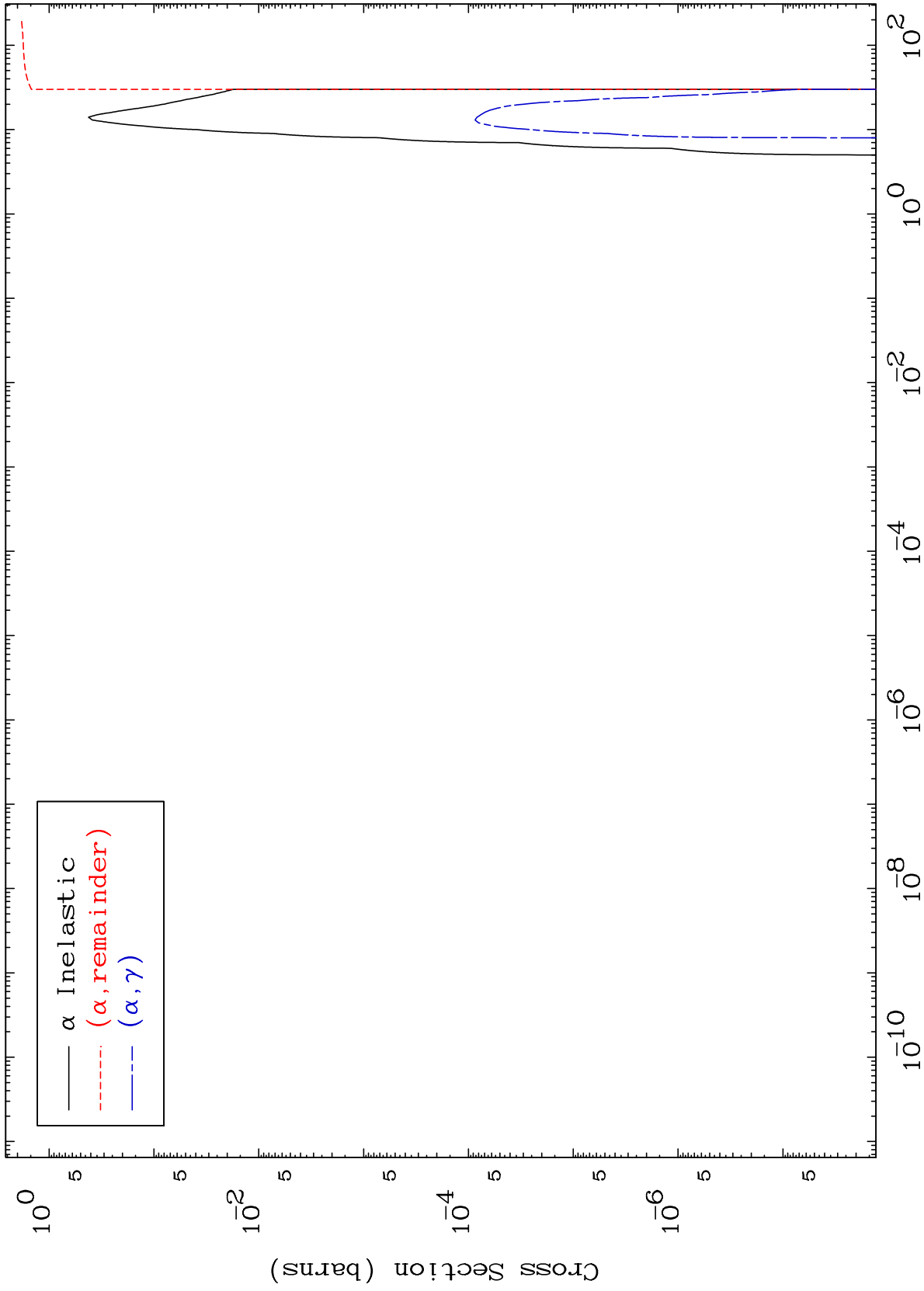
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3531

0 Kelvin α Major
Cross Sections

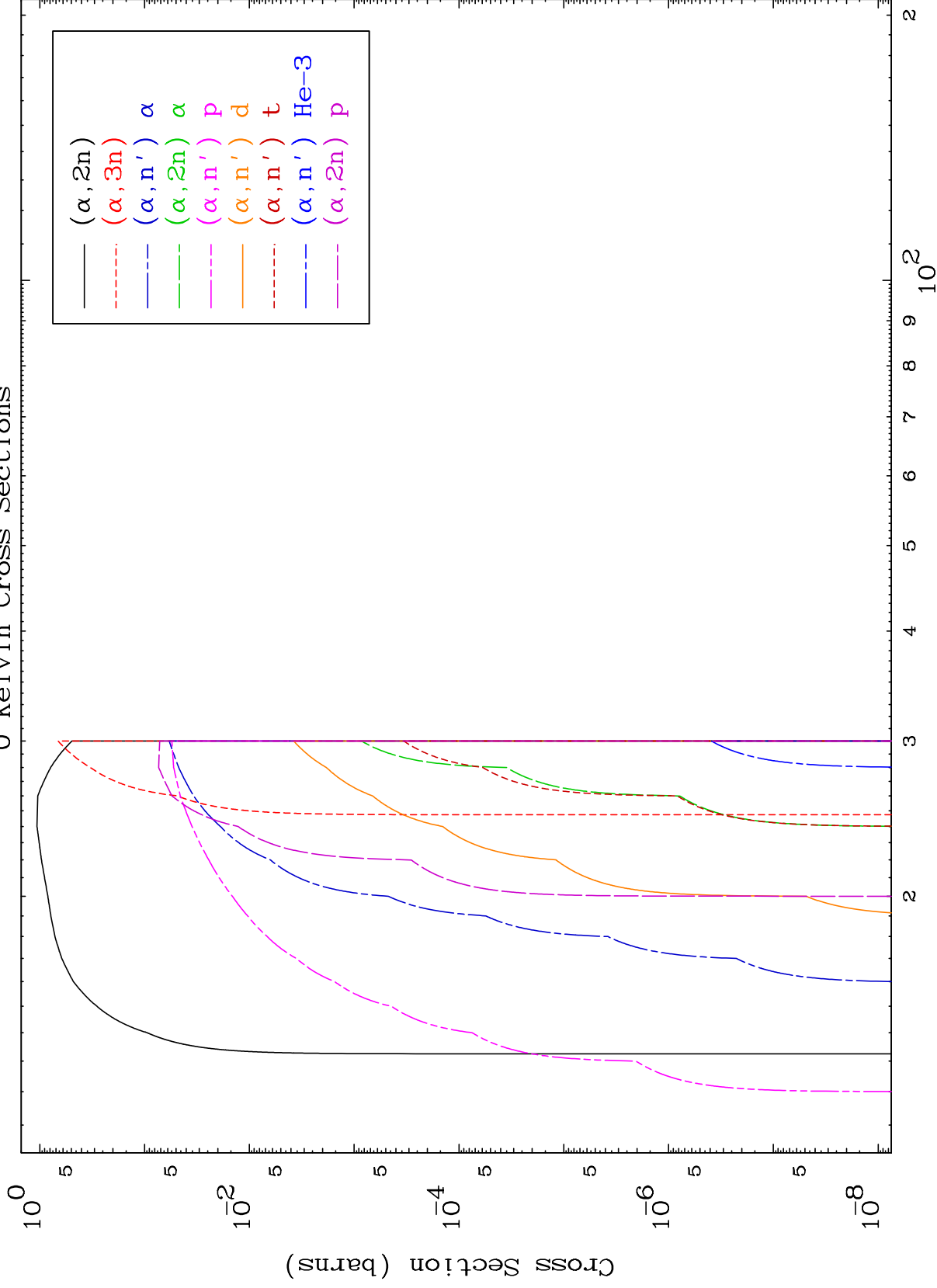
35-Br-81



MAT 3531

α Neutron Production
0 Kelvin Cross Sections

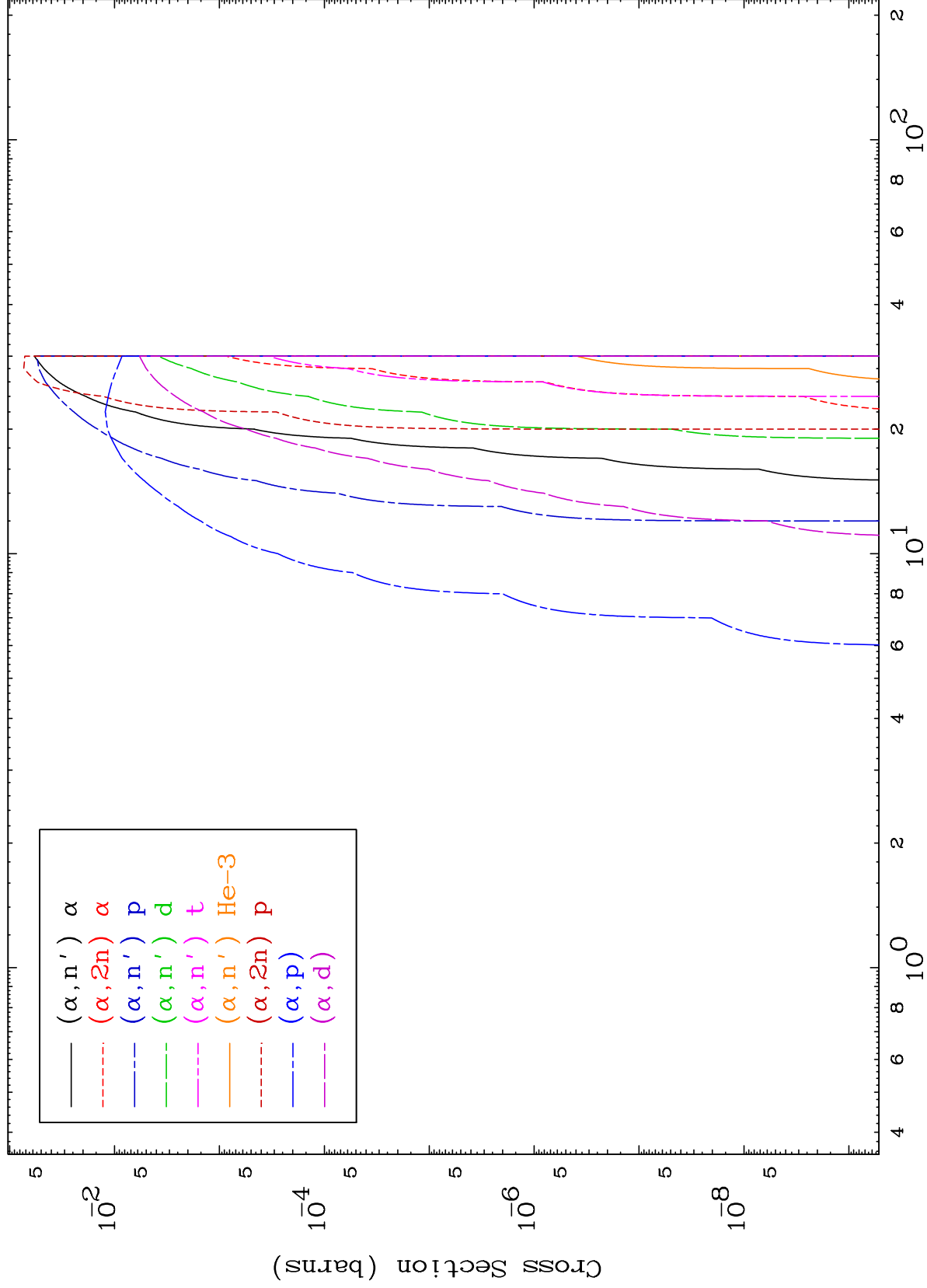
35-Br-81

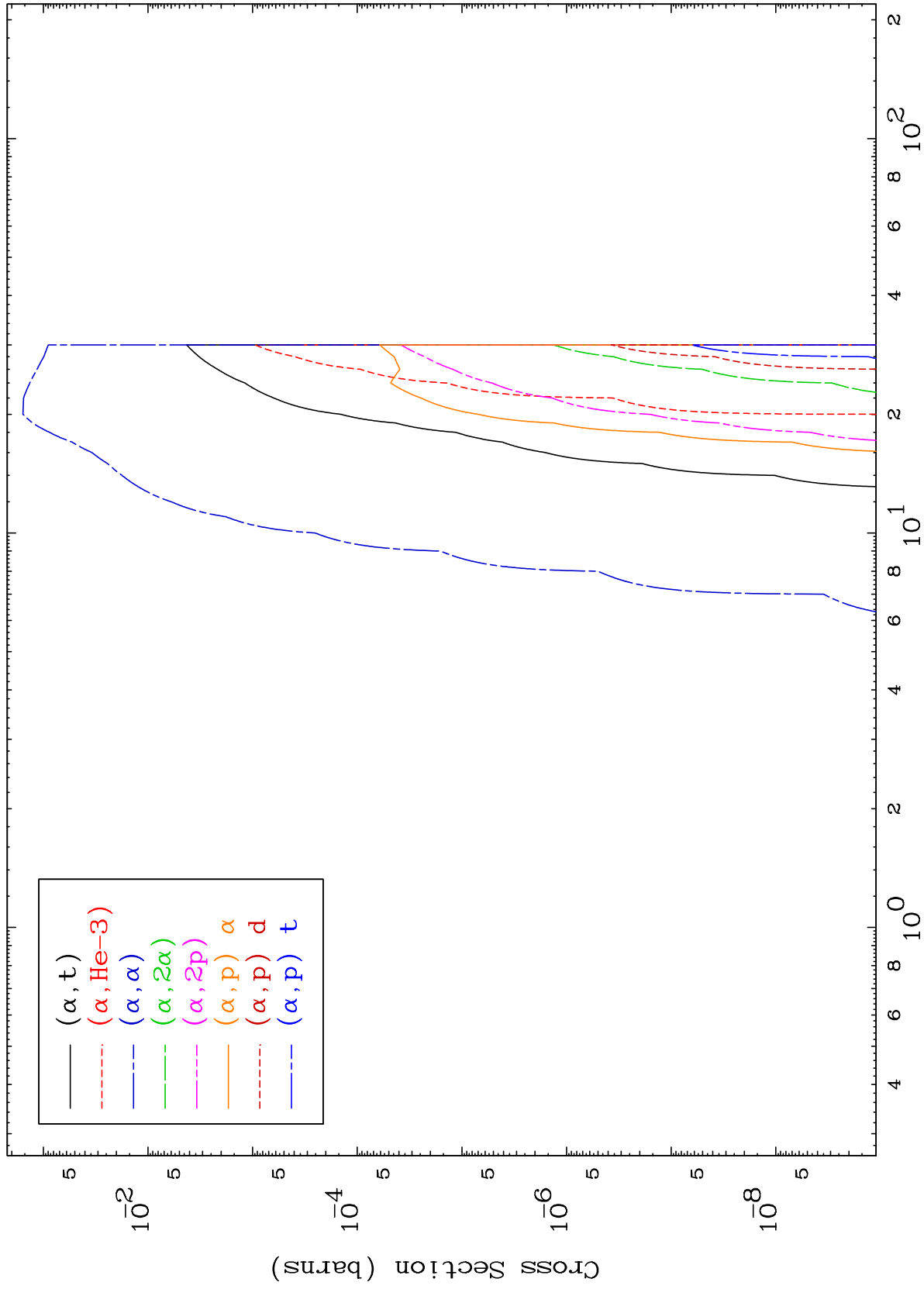


2

Incident Energy (MeV)

35-Br-81

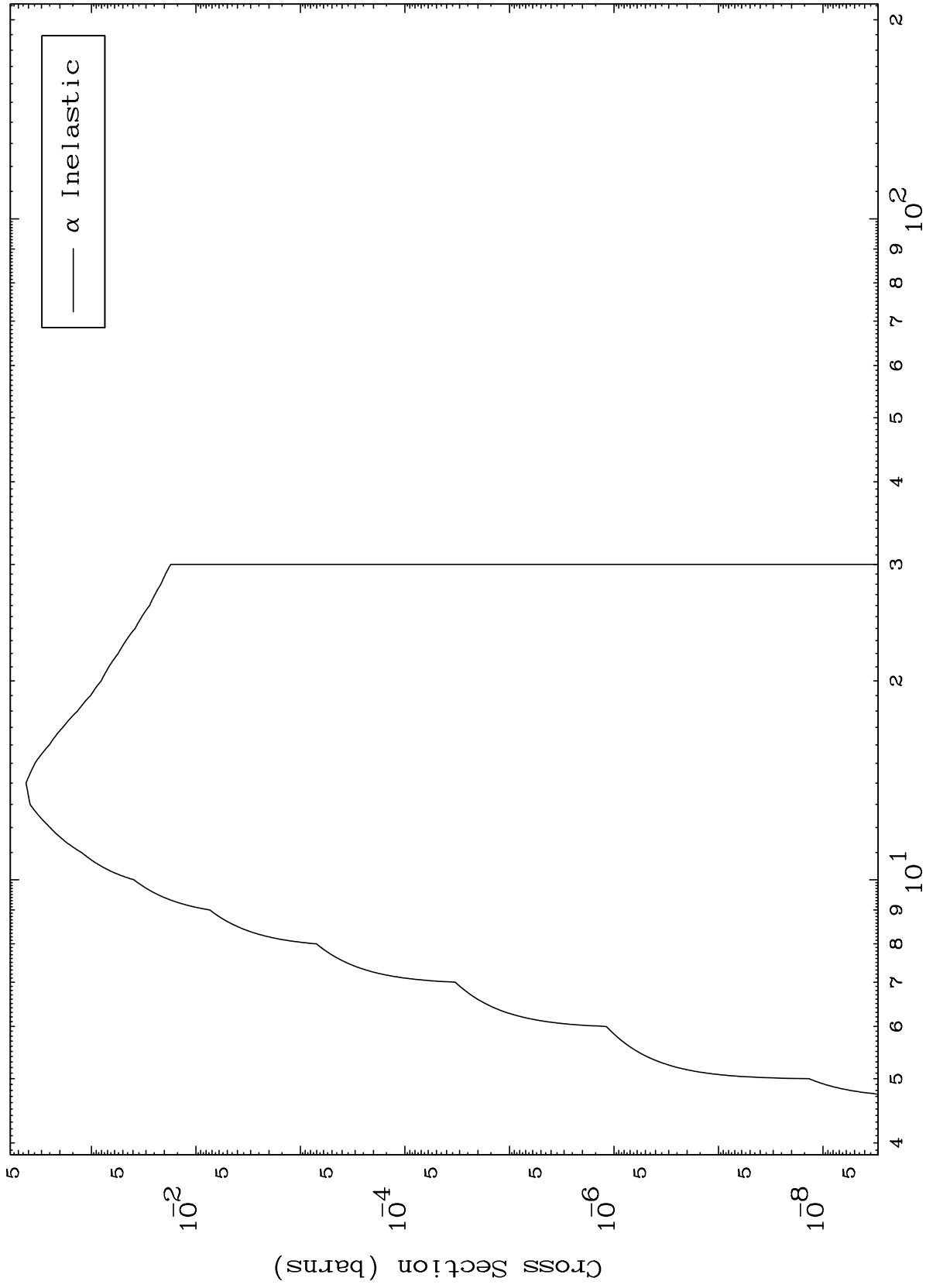




MAT 3531

(α, n') Level
0 Kelvin Cross Sections

35-Br-81



5

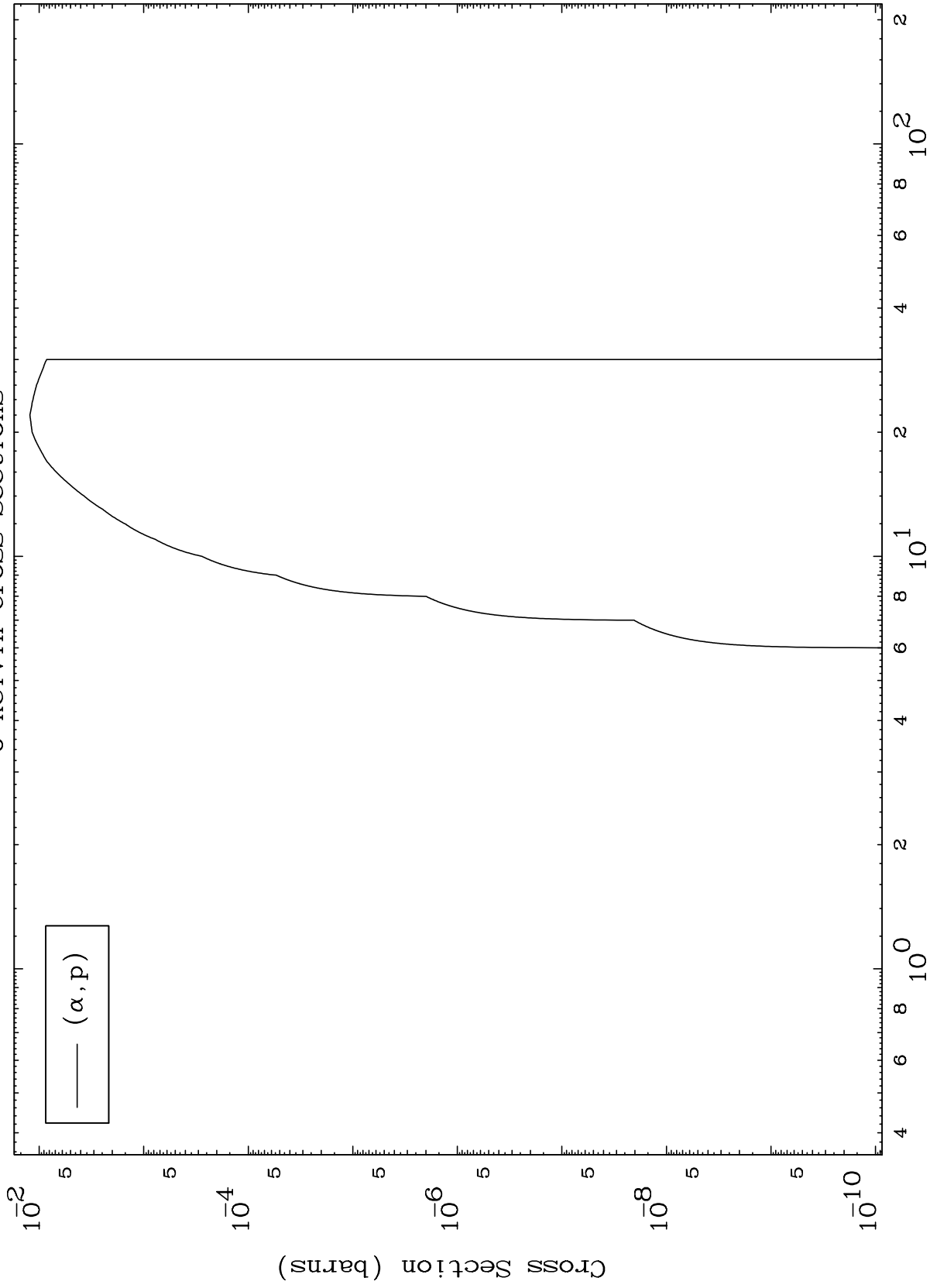
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

(α, p) Levels
0 Kelvin Cross Sections



6

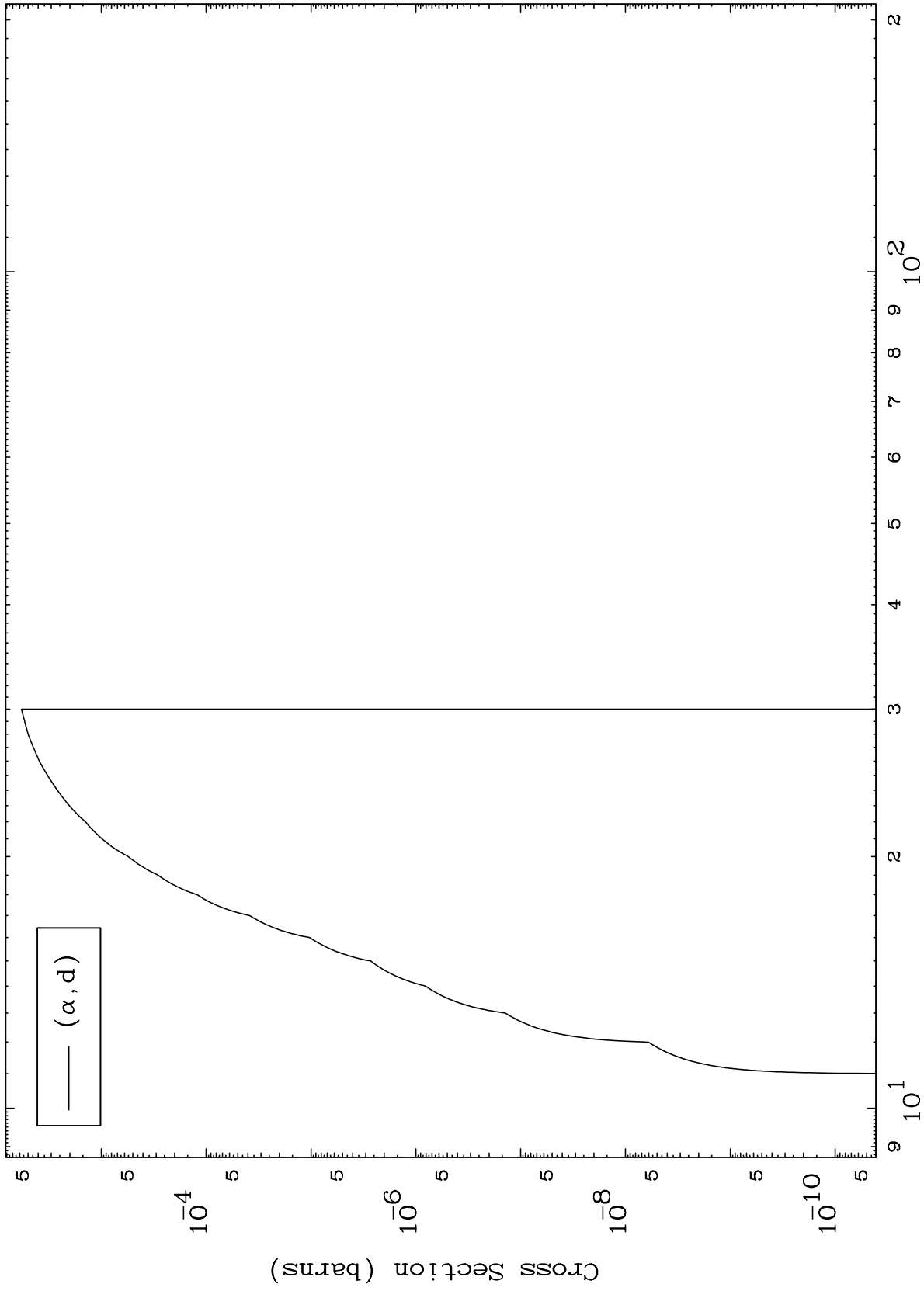
Incident Energy (MeV)

35-Br-81

MAT 3531

(α, d) Levels
0 Kelvin Cross Sections

35-Br-81



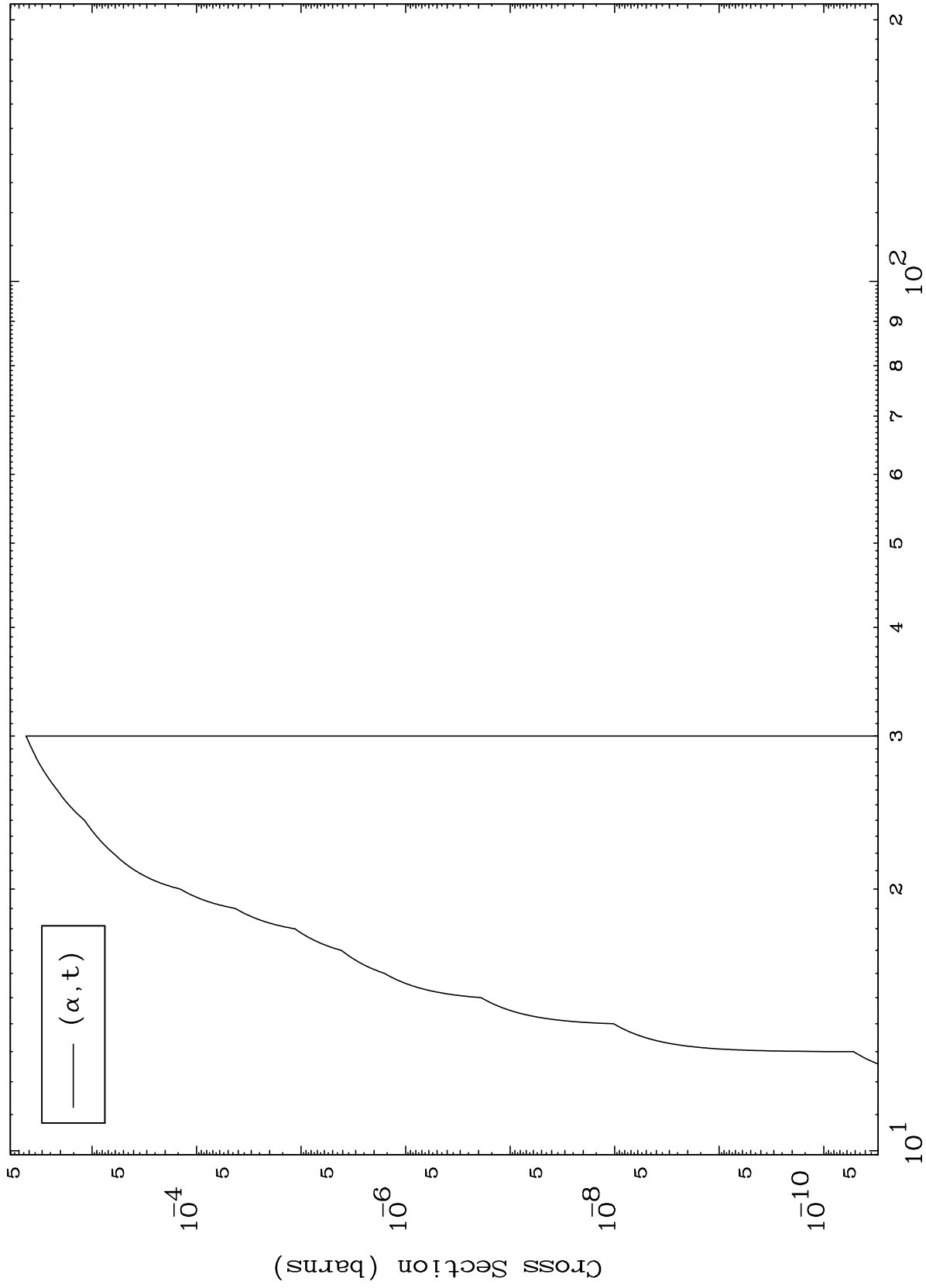
Incident Energy (MeV)

35-Br-81

MAT 3531

(α, t) Levels
0 Kelvin Cross Sections

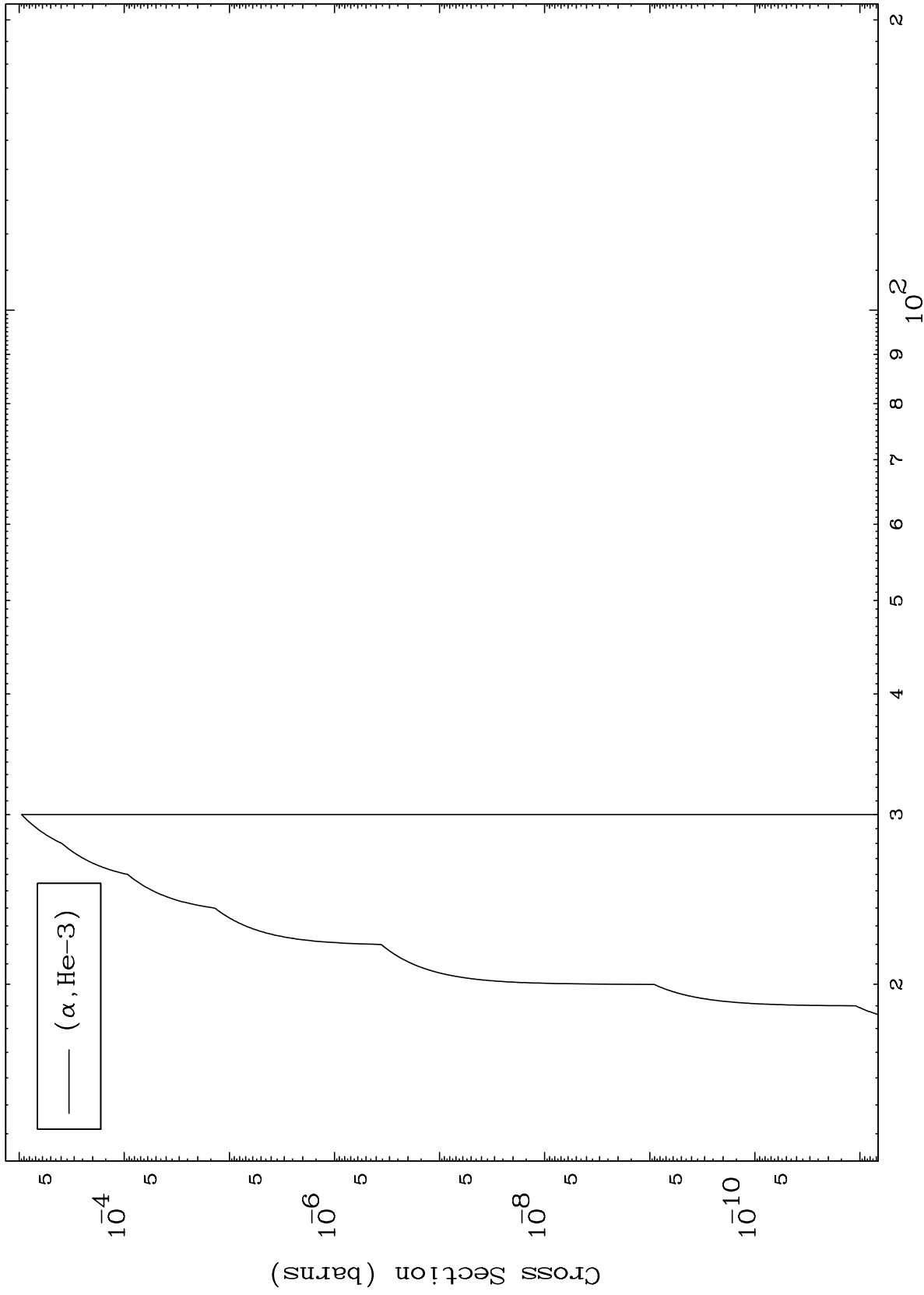
35-Br-81



8

Incident Energy (MeV)

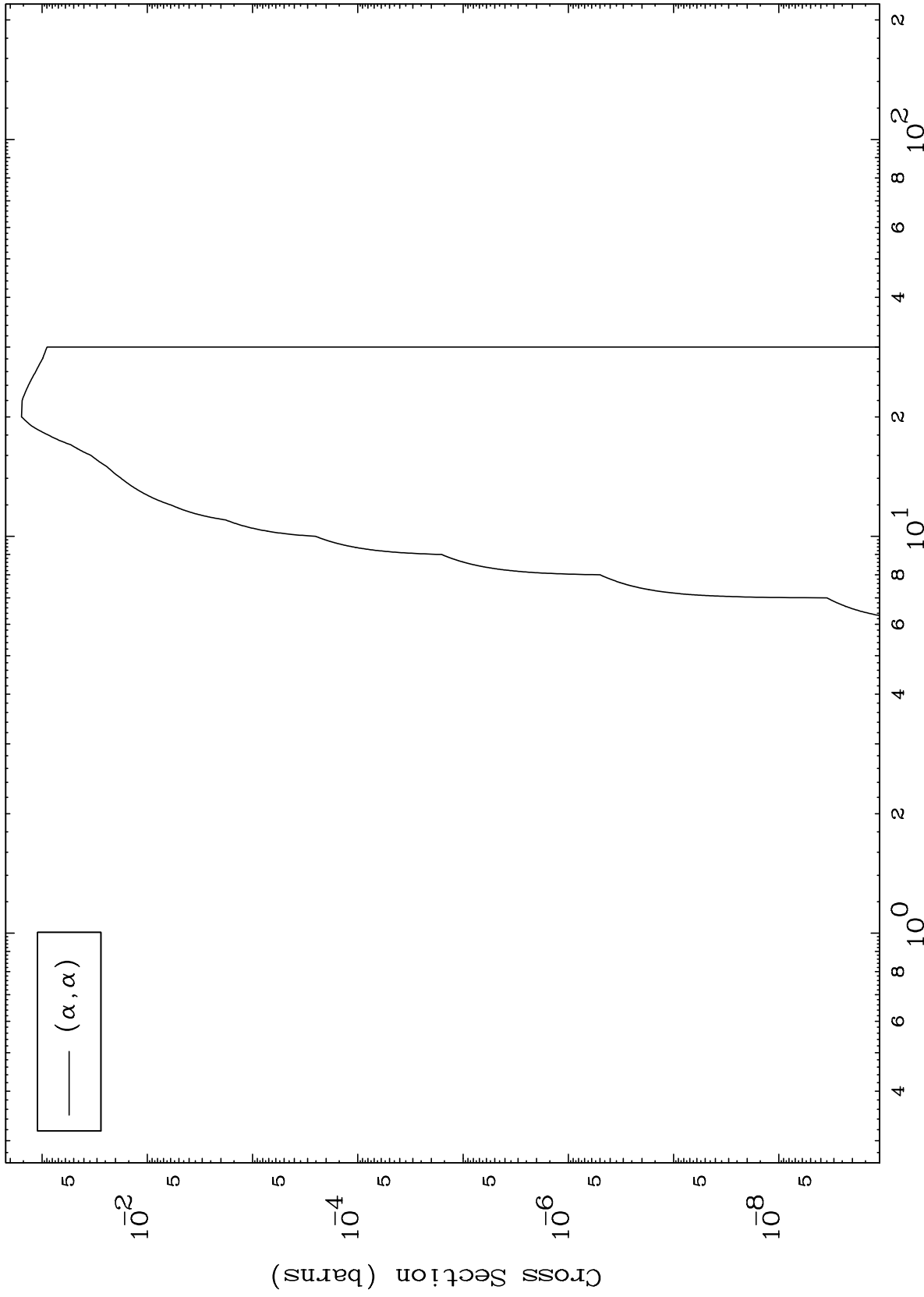
35-Br-81



MAT 3531

35-Br-81

(α, α) Levels
0 Kelvin Cross Sections



10

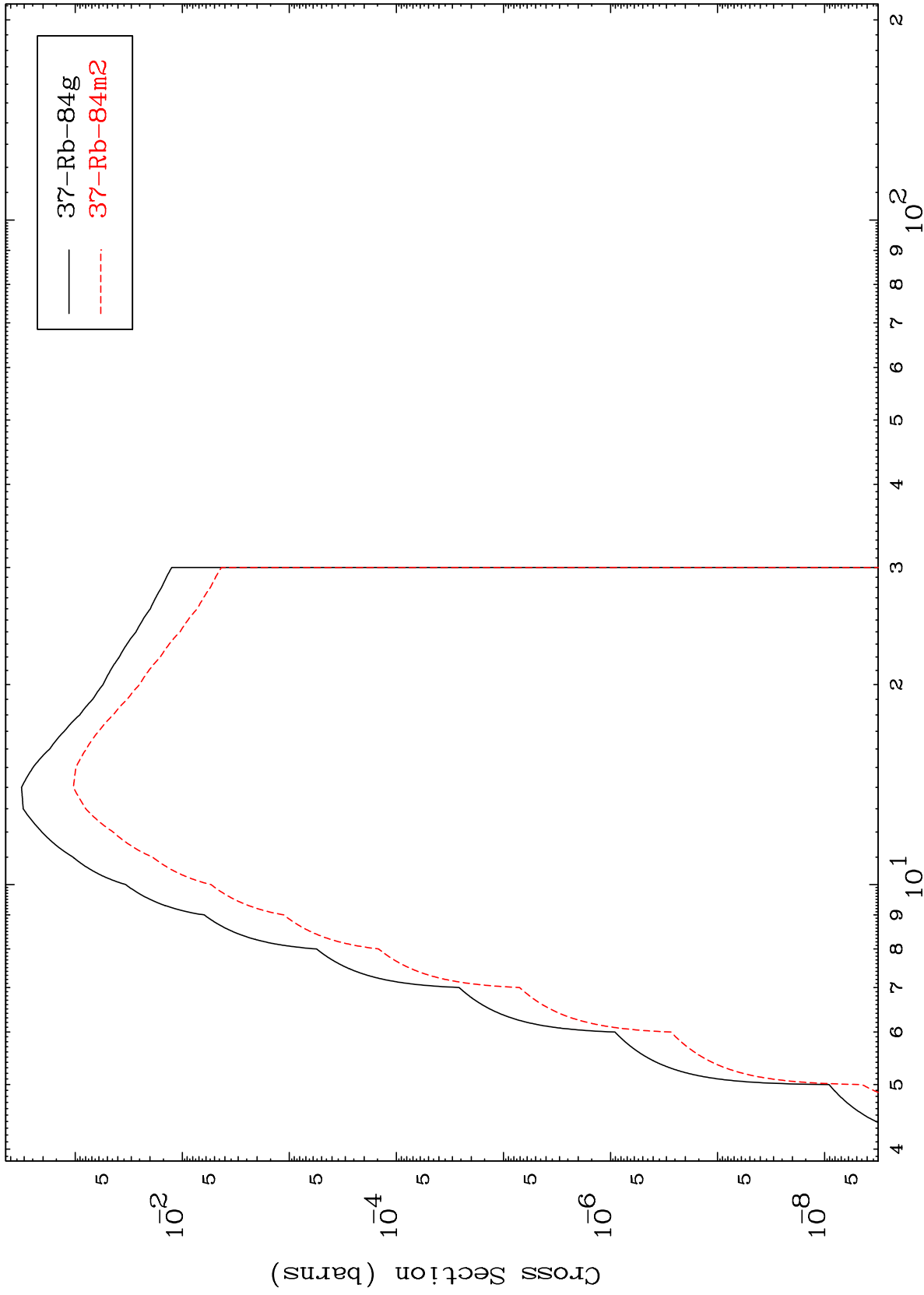
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

α Inelastic Radionuclide Production Cross Section



11

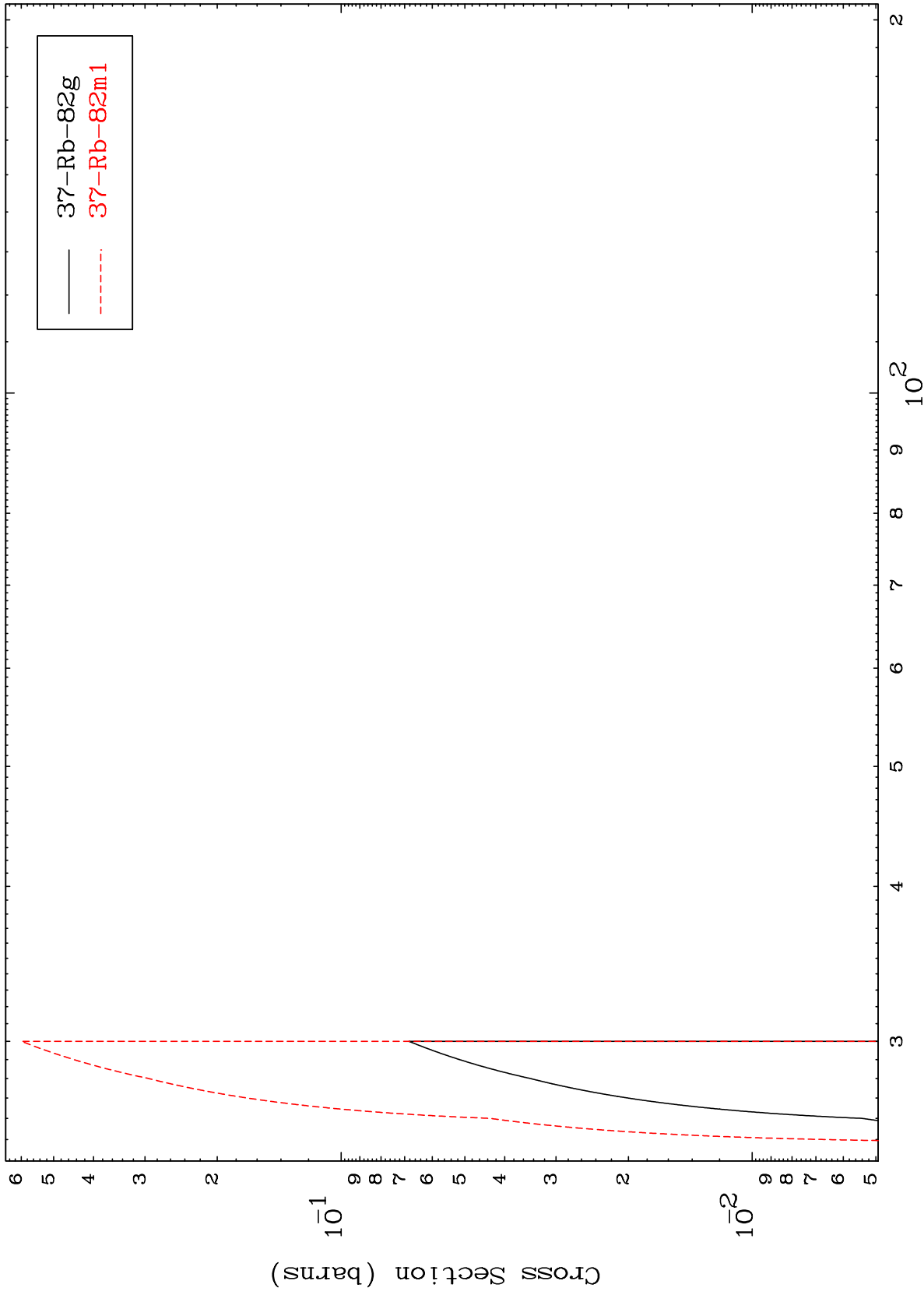
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

($\alpha, 3n$)
Radionuclide Production Cross Section



12

Incident Energy (MeV)

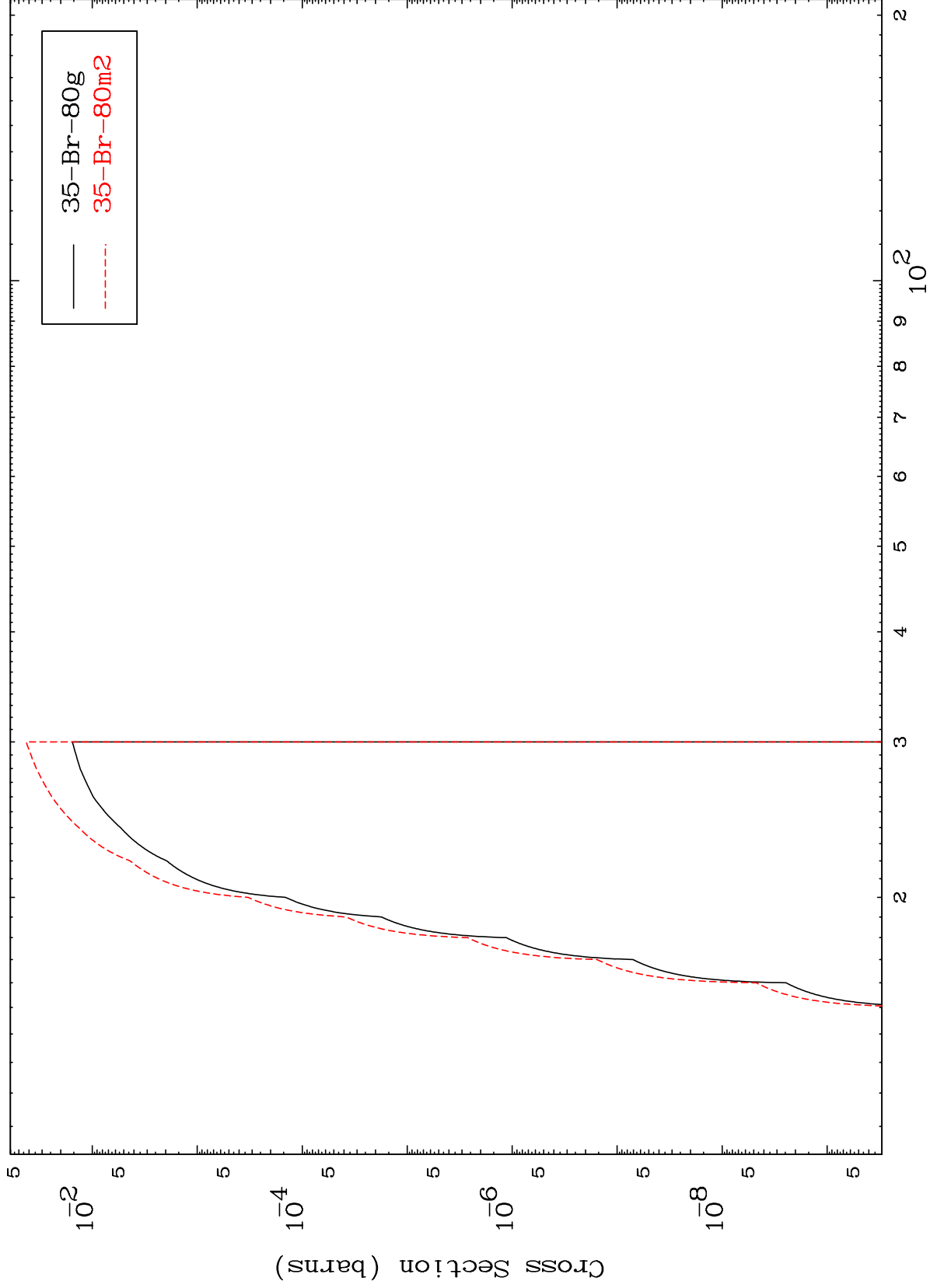
35-Br-81

MAT 3531

(α, n') α

35-Br-81

Radionuclide Production Cross Section



13

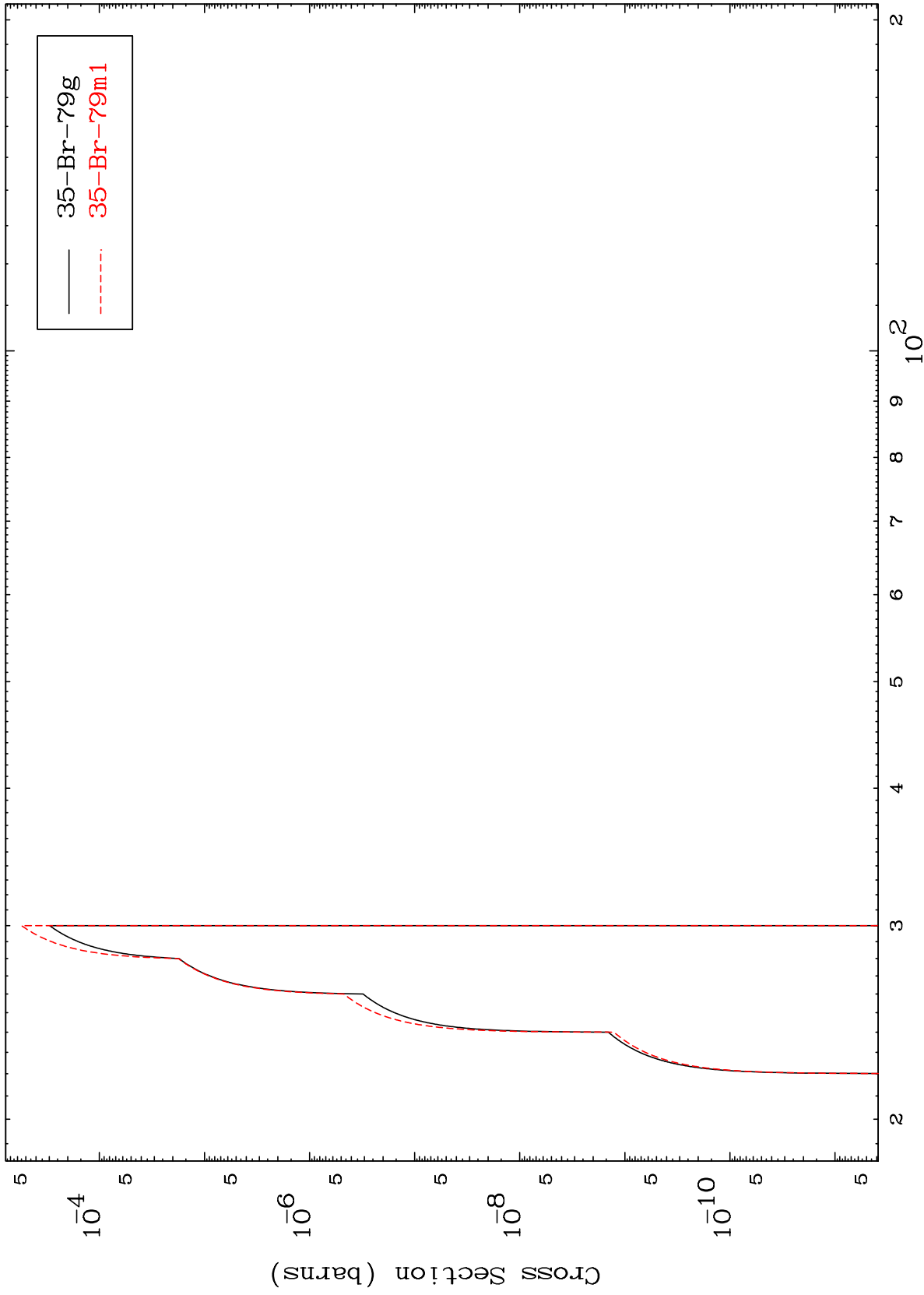
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

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



14

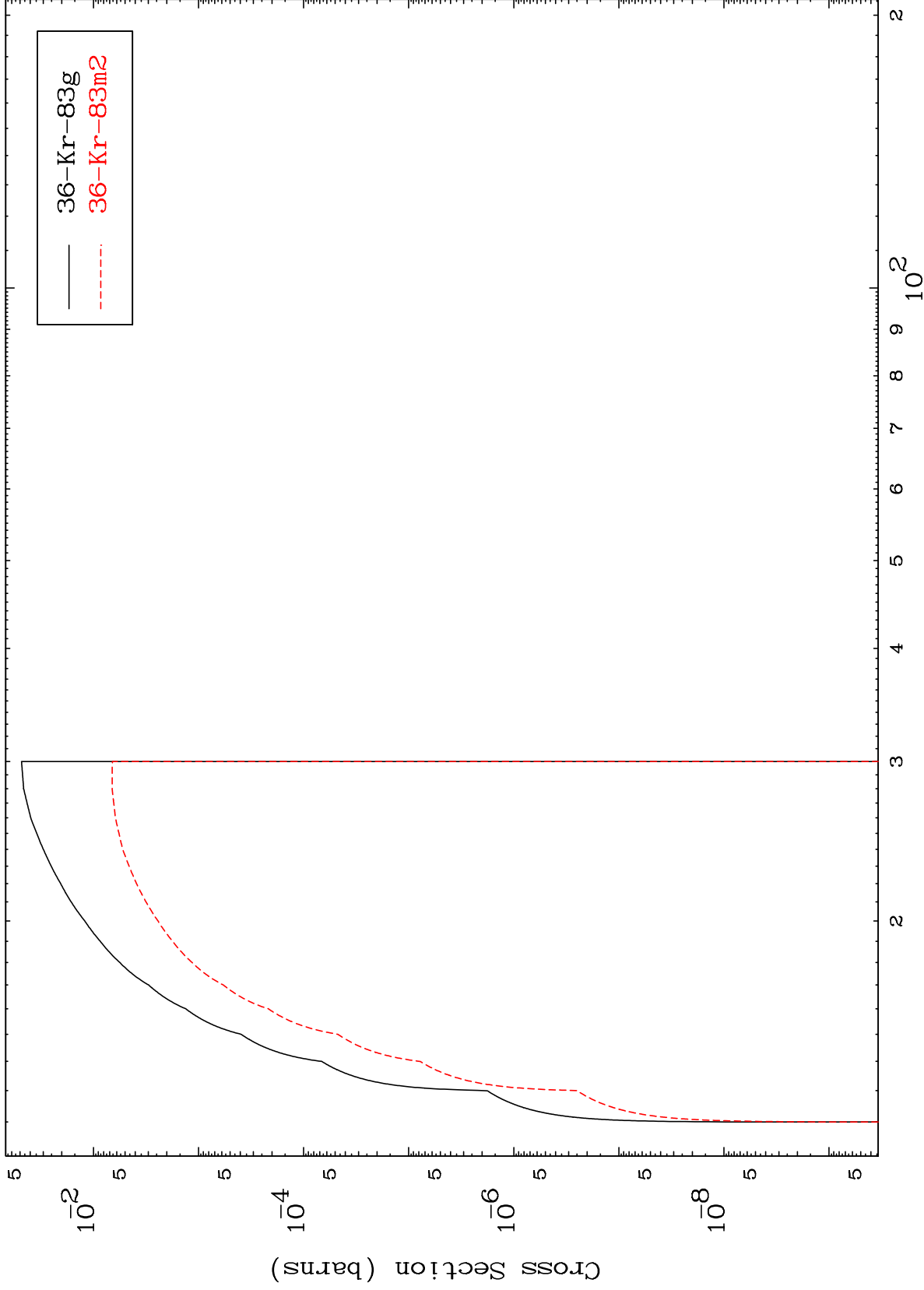
35-Br-81

MAT 3531

(α, n') p

35-Br-81

Radionuclide Production Cross Section



15

Incident Energy (MeV)

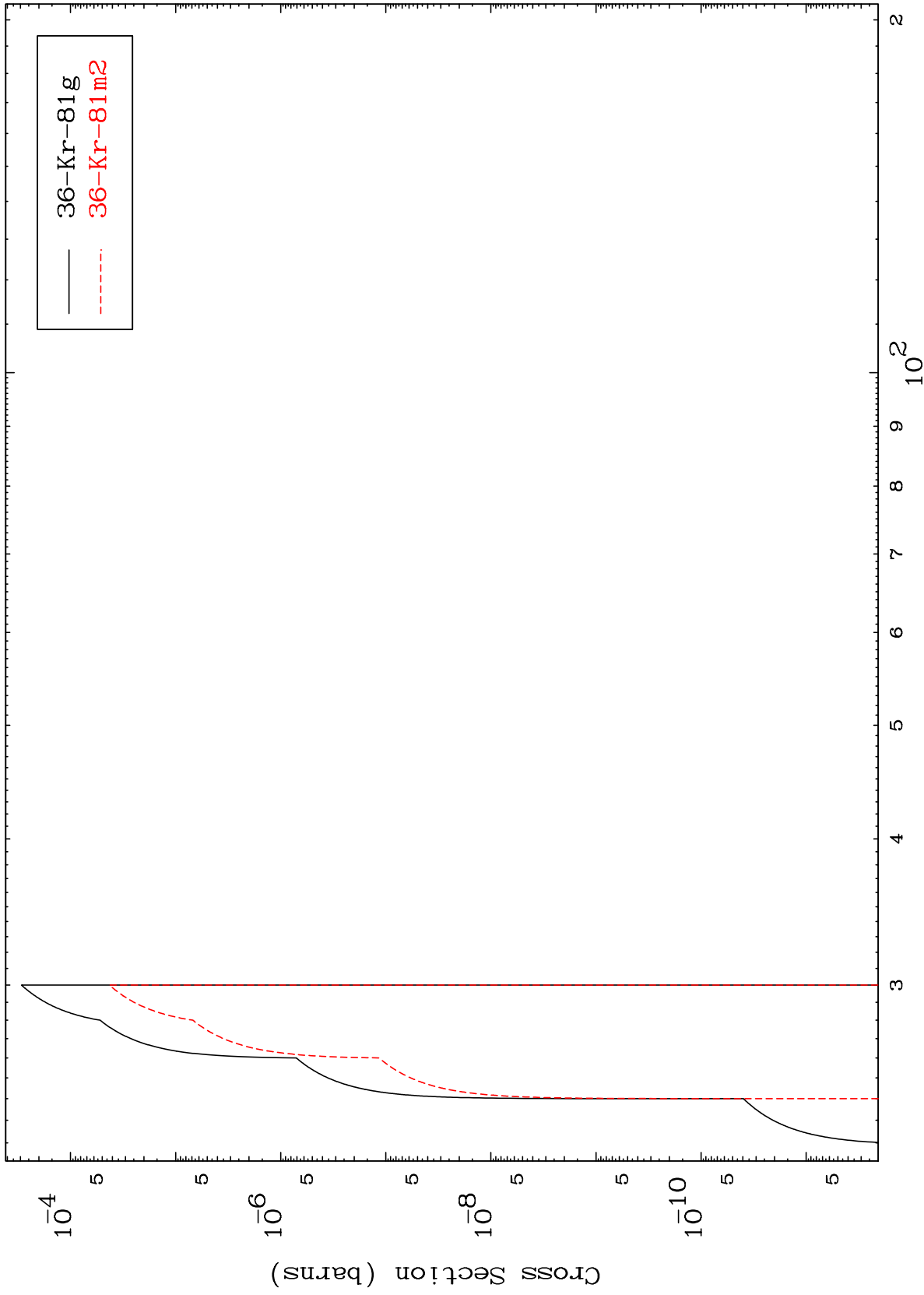
35-Br-81

MAT 3531

(α, n') t

35-Br-81

Radionuclide Production Cross Section



16

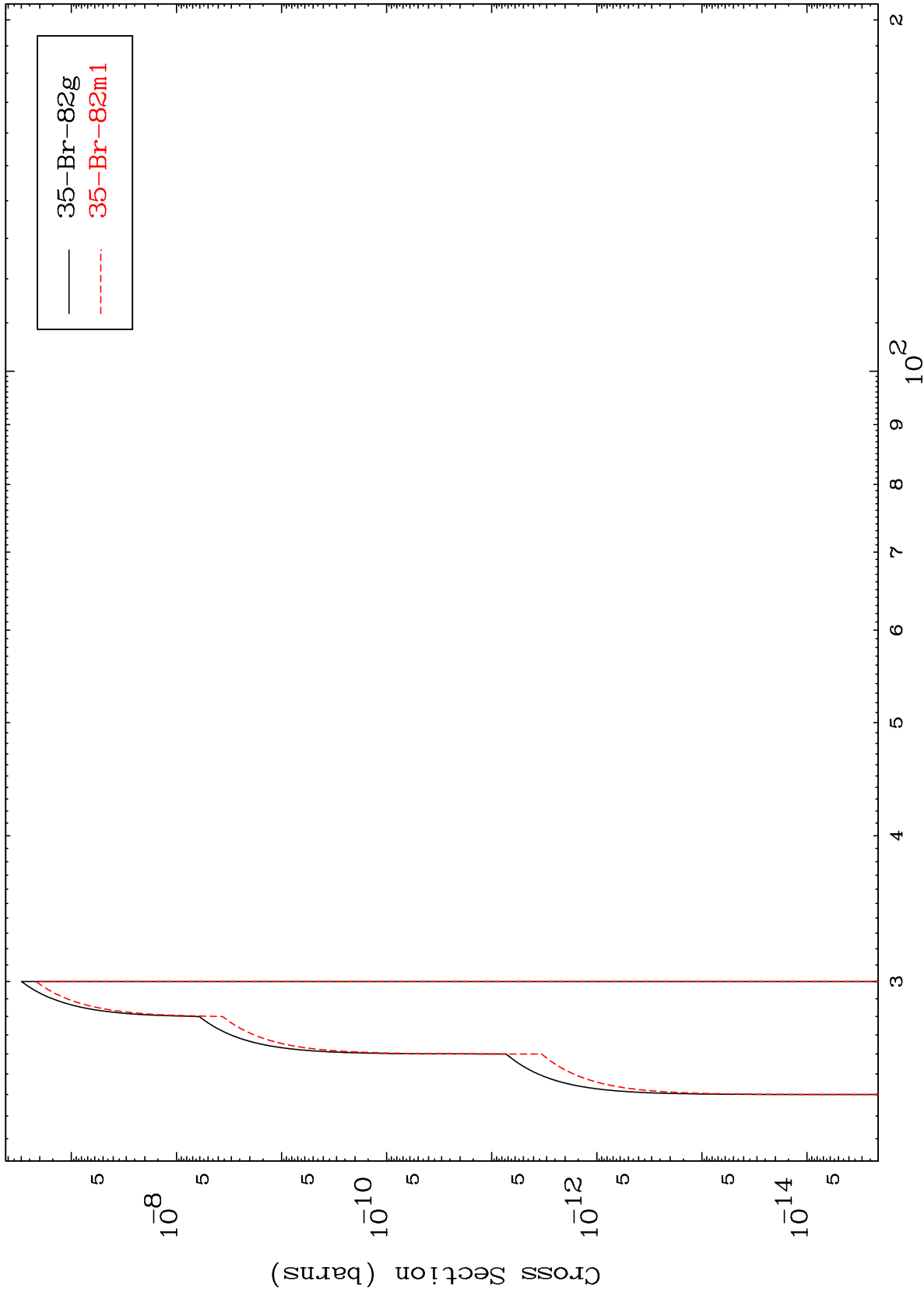
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

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



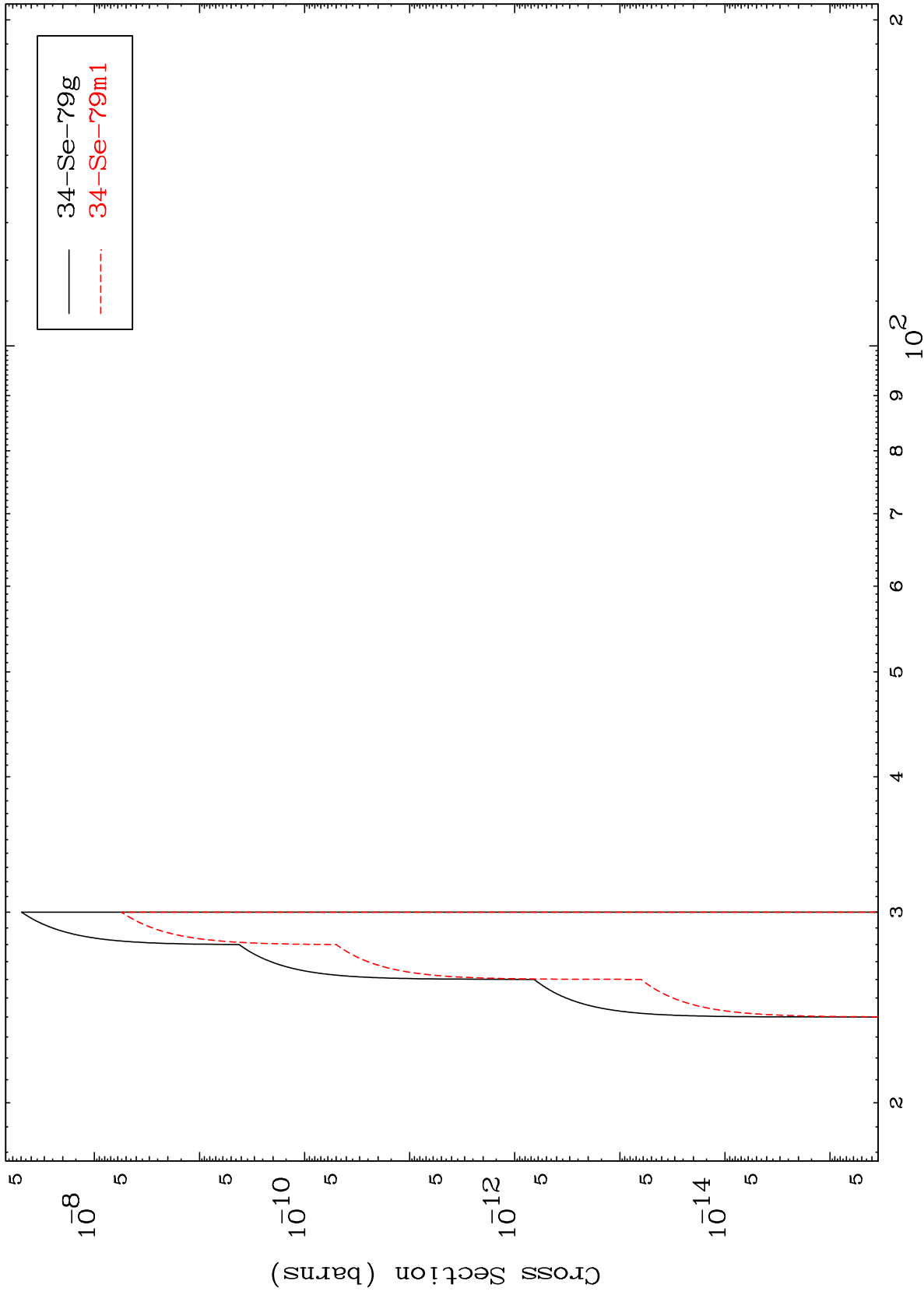
17

35-Br-81

MAT 3531

35-Br-81

(α, n') p α
Radionuclide Production Cross Section



18

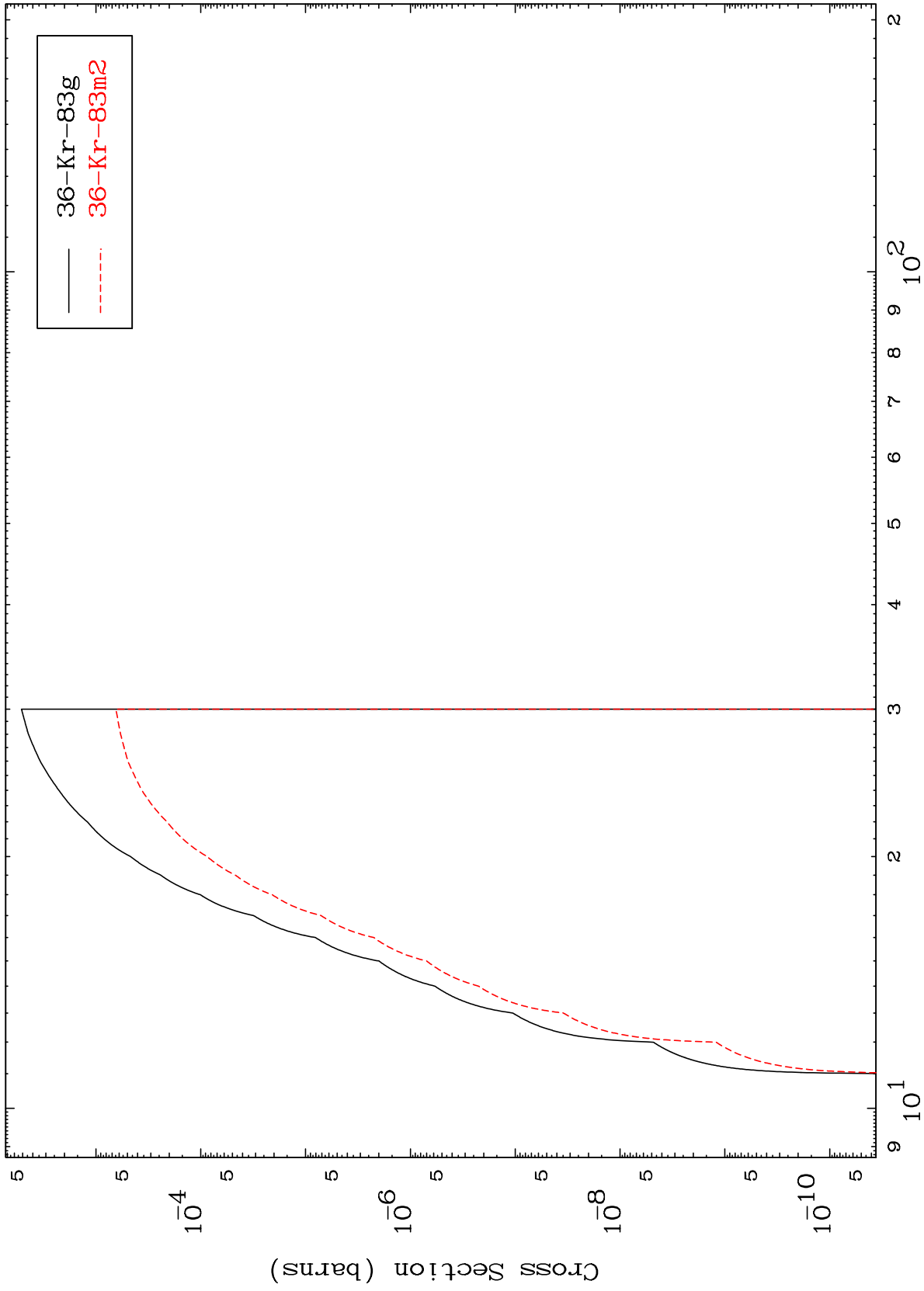
35-Br-81

MAT 3531

(α, d)

35-Br-81

Radionuclide Production Cross Section



19

Incident Energy (MeV)

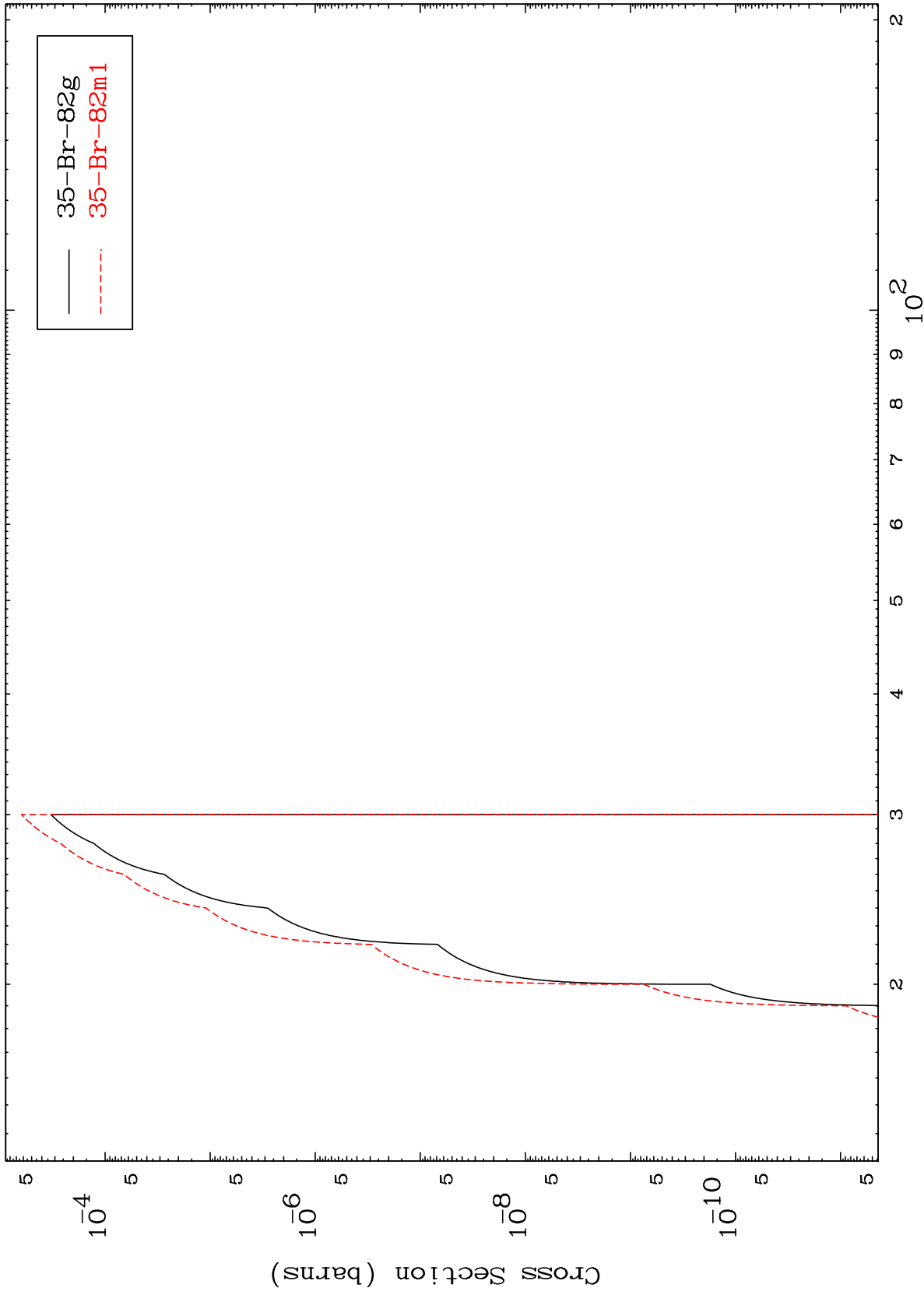
35-Br-81

MAT 3531

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

35-Br-81

Radionuclide Production Cross Section



20

Incident Energy (MeV)

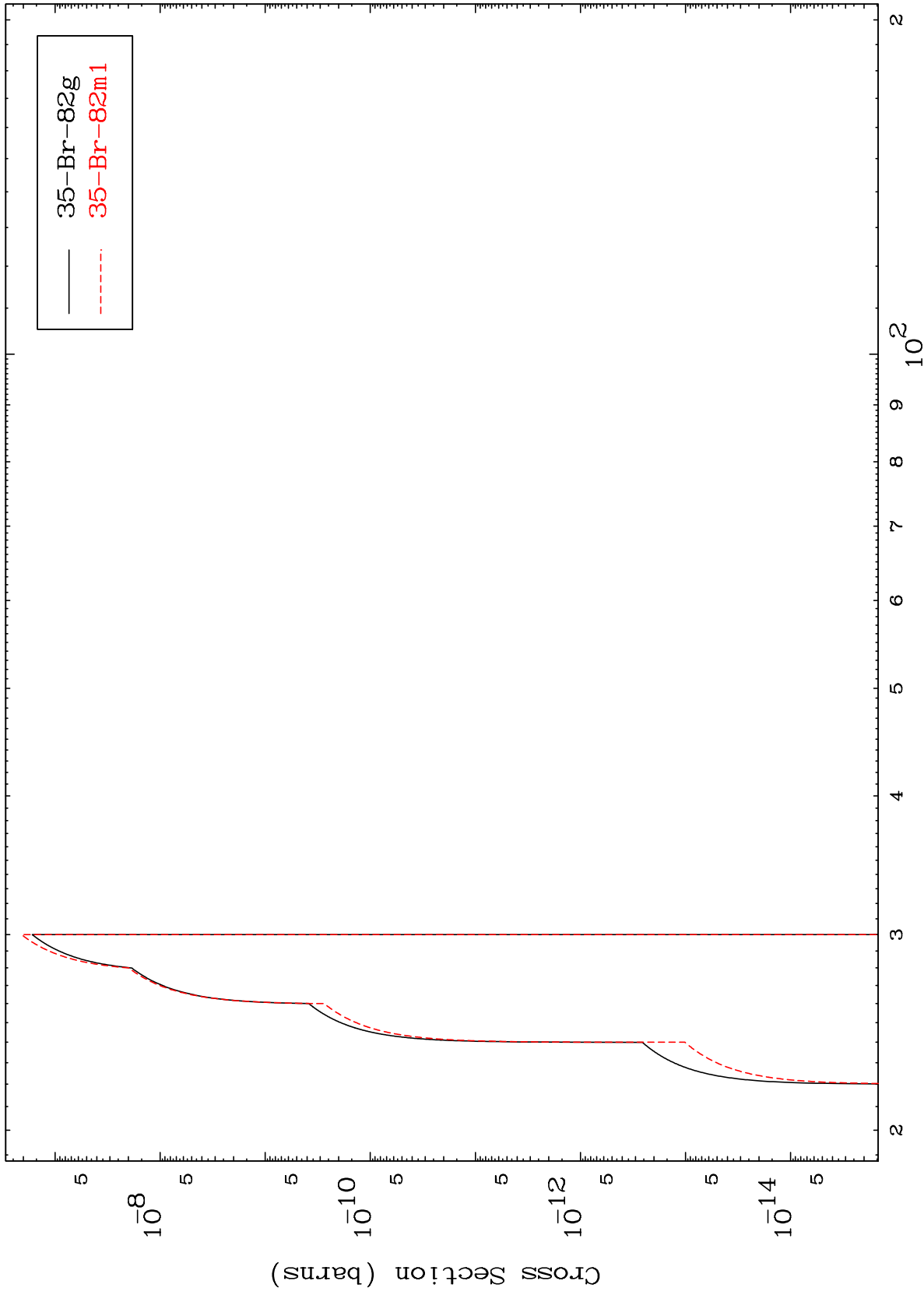
35-Br-81

MAT 3531

(α, p) d

35-Br-81

Radionuclide Production Cross Section



21

Incident Energy (MeV)

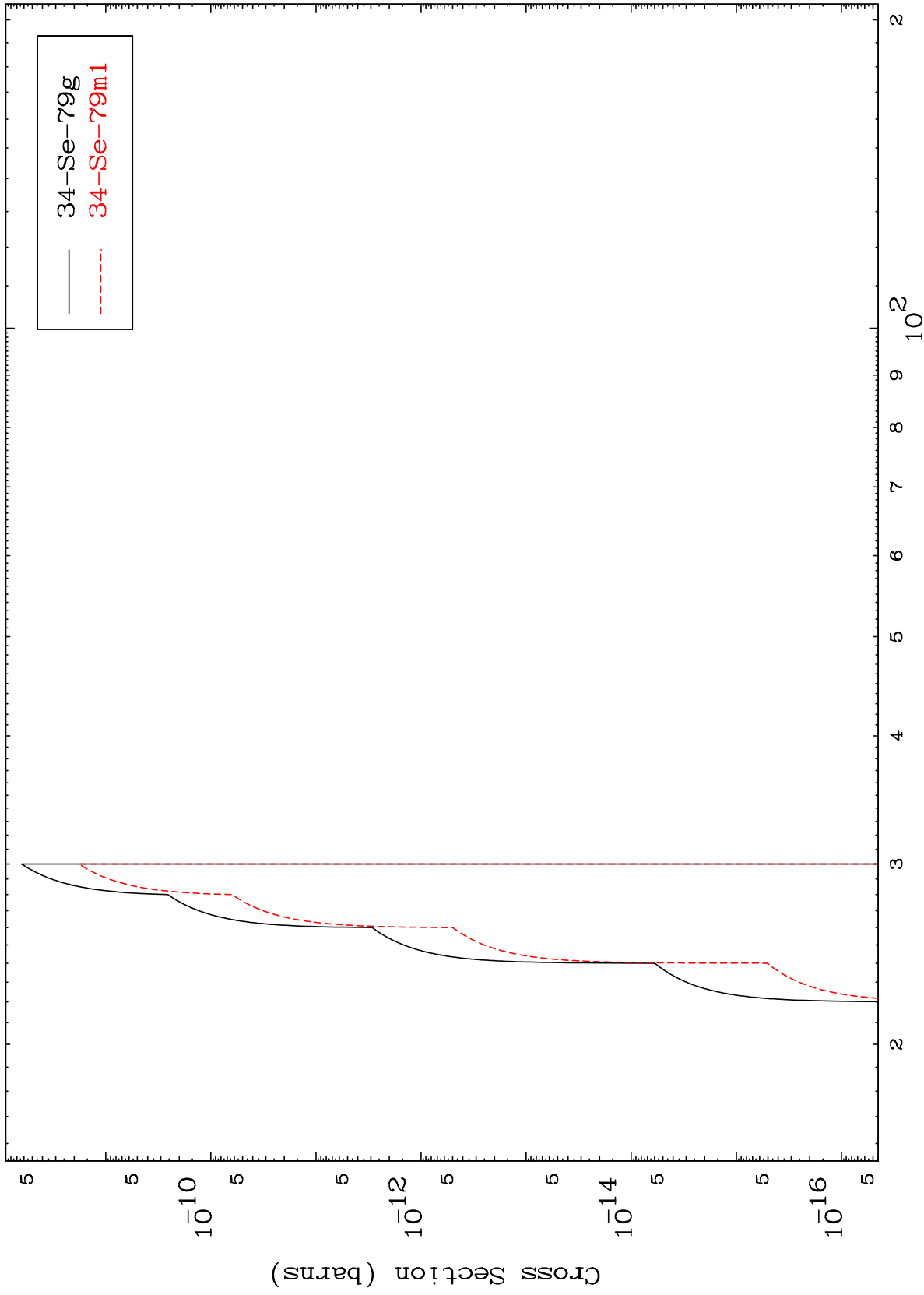
35-Br-81

MAT 3531

(α, d) α

35-Br-81

Radionuclide Production Cross Section



22

Incident Energy (MeV)

35-Br-81