

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

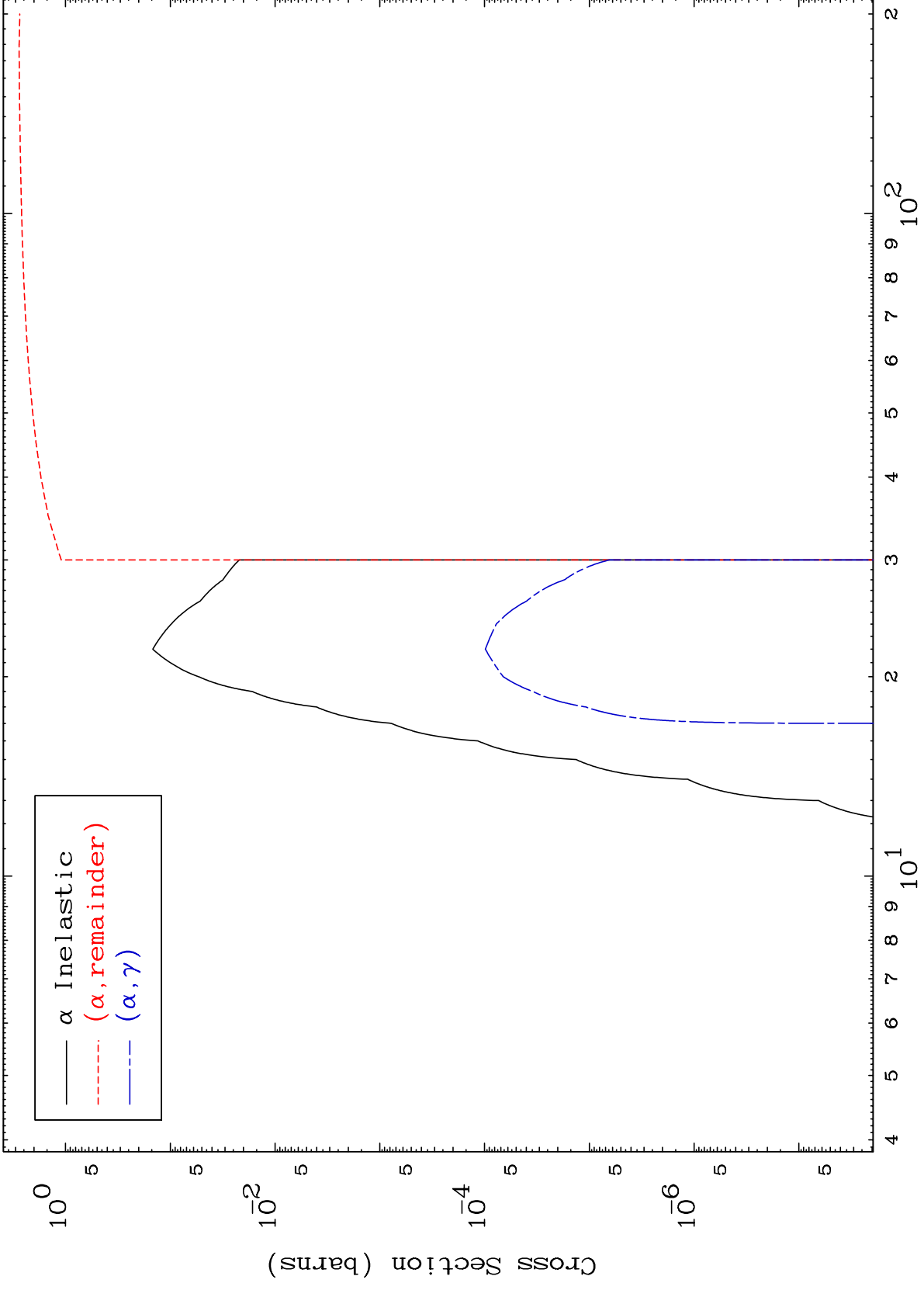
Press Mouse Button to Start

MAT 81116

α Major

81-T1-200

0 Kelvin Cross Sections



Incident Energy (MeV)

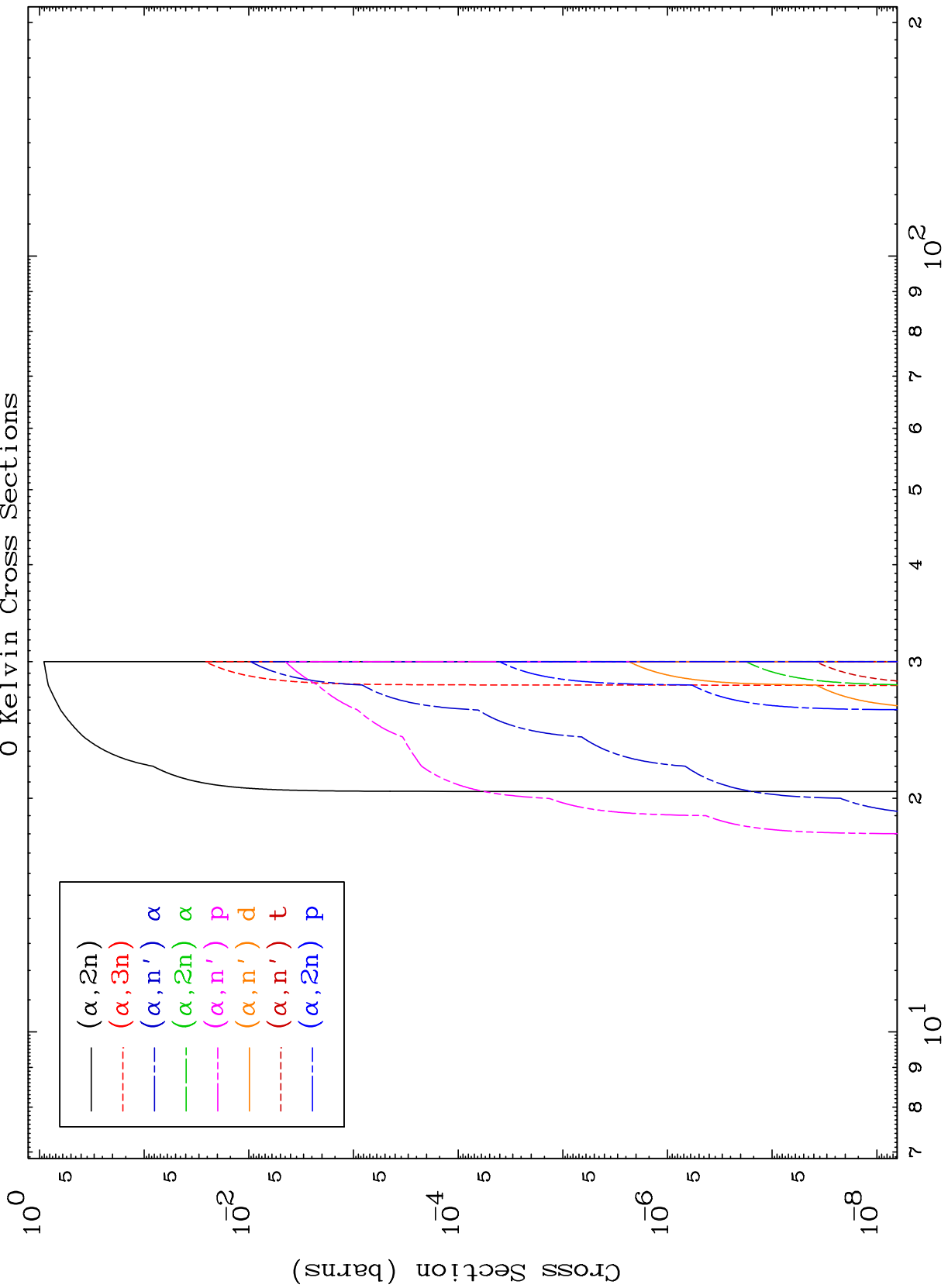
81-T1-200

1

MAT 81116

α Neutron Production
0 Kelvin Cross Sections

81-T1-200



Incident Energy (MeV)

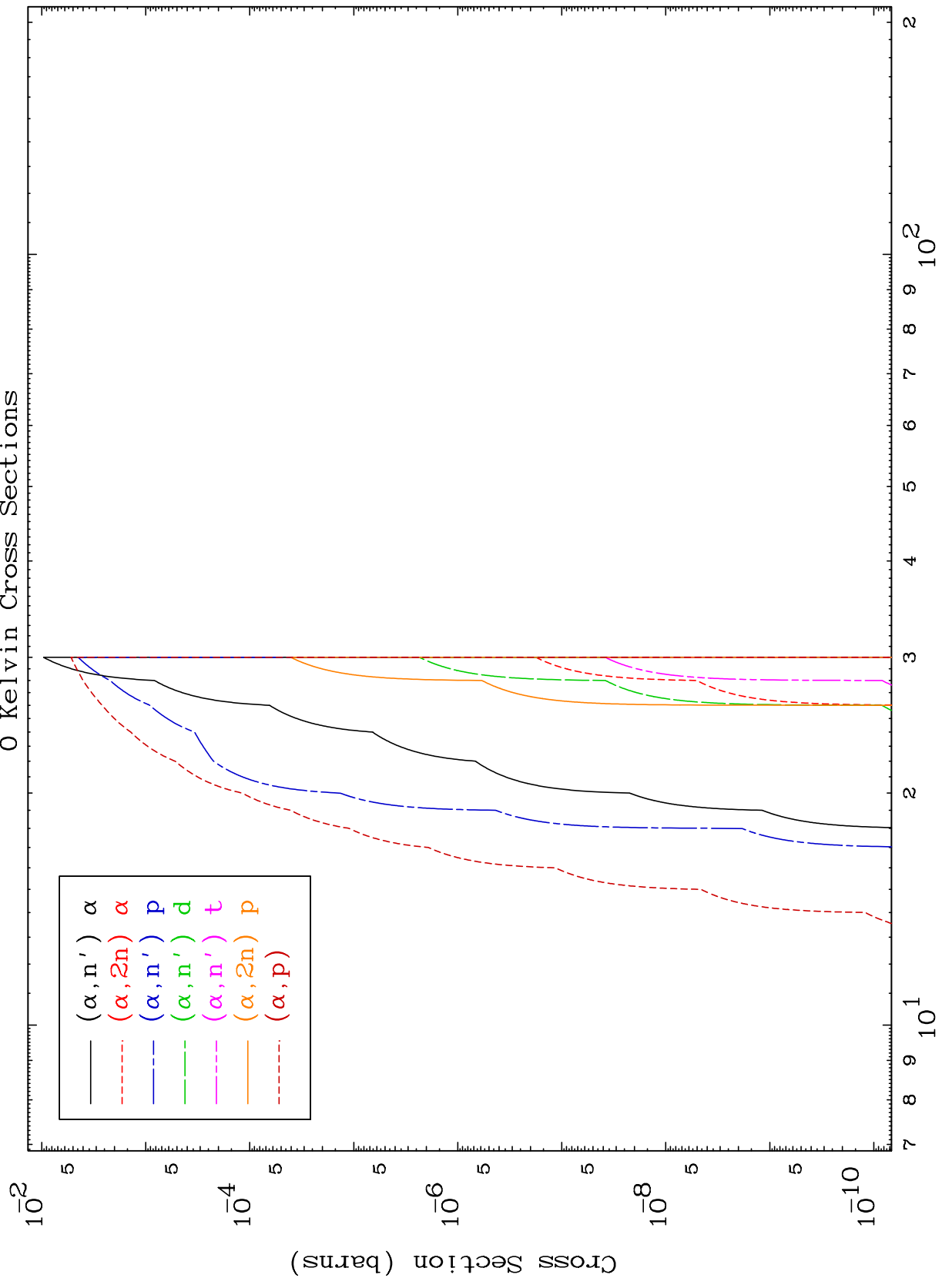
81-T1-200

2

MAT 81116

α Charged Particle
0 Kelvin Cross Sections

81-Tl-200



Incident Energy (MeV)

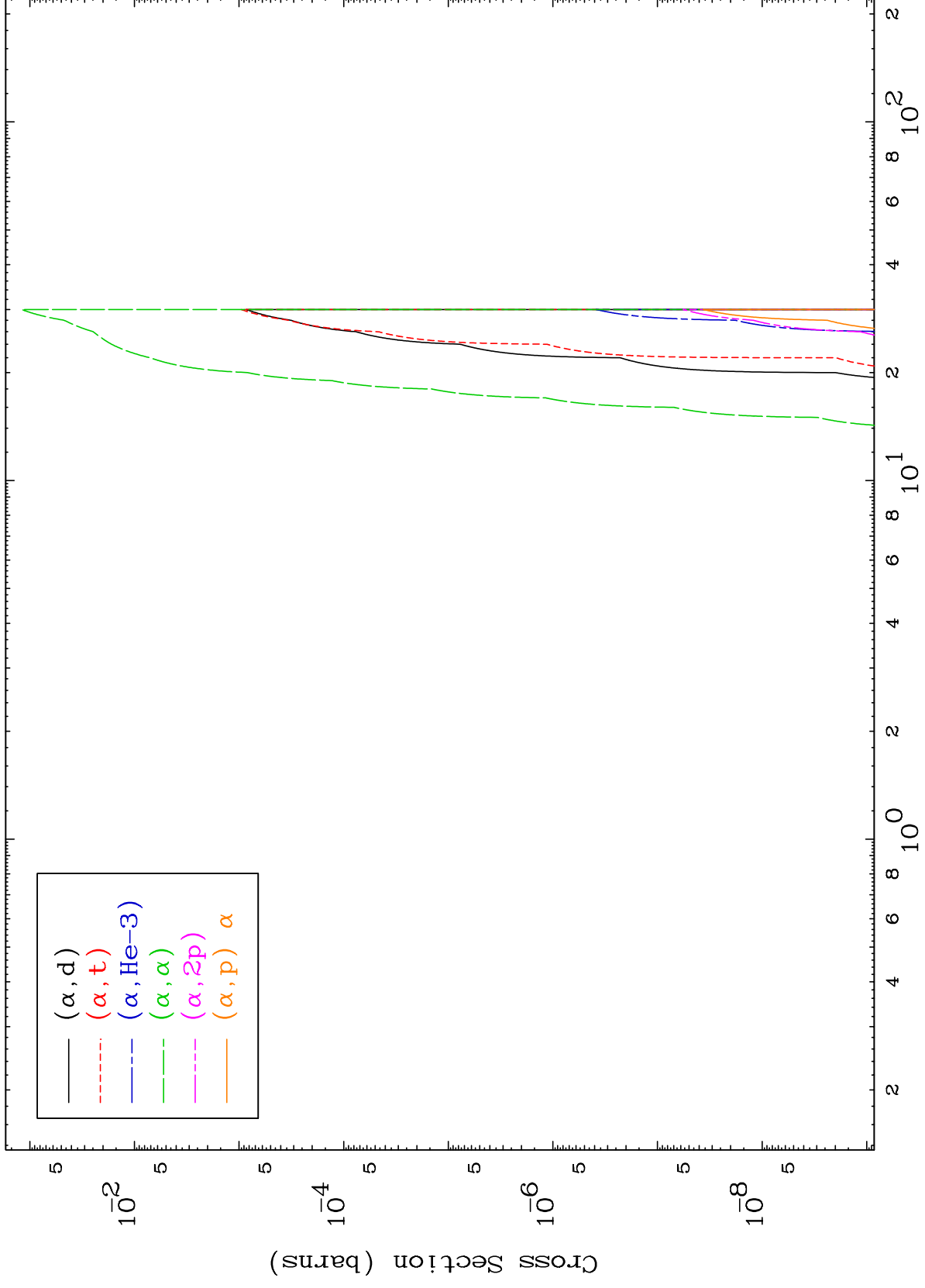
81-Tl-200

3

MAT 81116

α Charged Particle
0 Kelvin Cross Sections

81-Tl-200



Incident Energy (MeV)

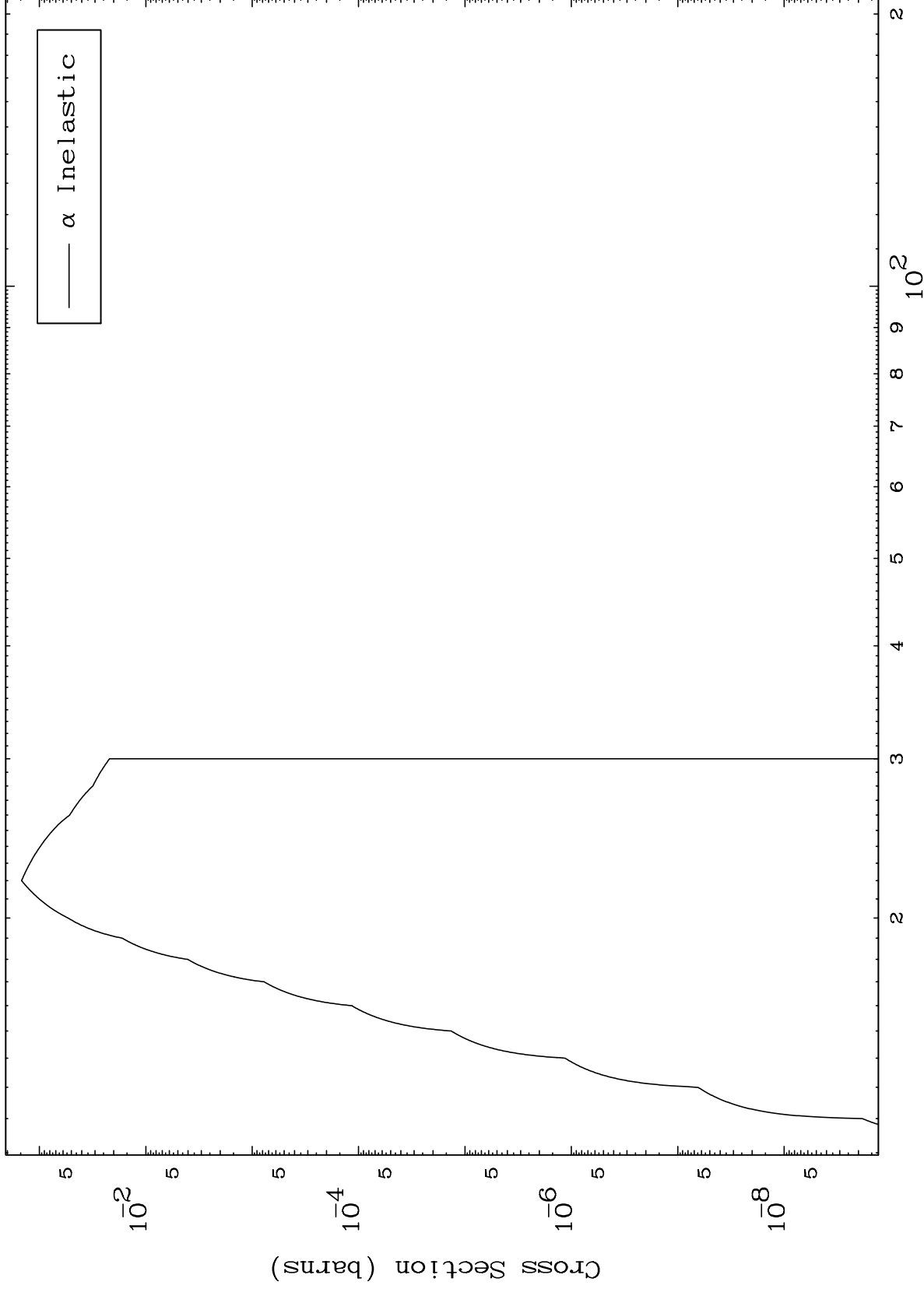
81-Tl-200

MAT 81116

(α, n') Level

81-Tl-200

0 Kelvin Cross Sections



5

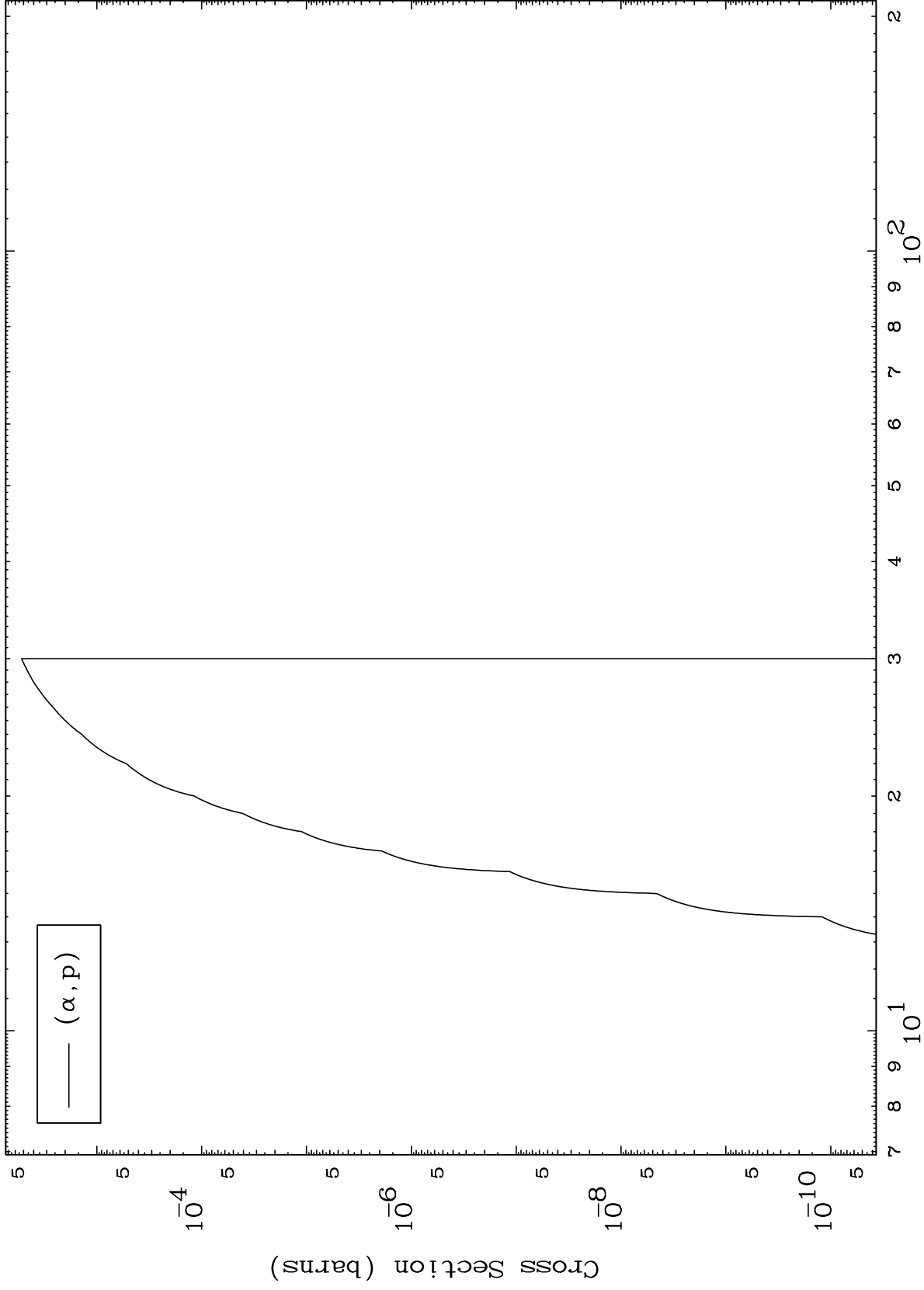
Incident Energy (MeV)

81-Tl-200

MAT 81116

(α, p) Levels
0 Kelvin Cross Sections

81-Tl-200



Incident Energy (MeV)

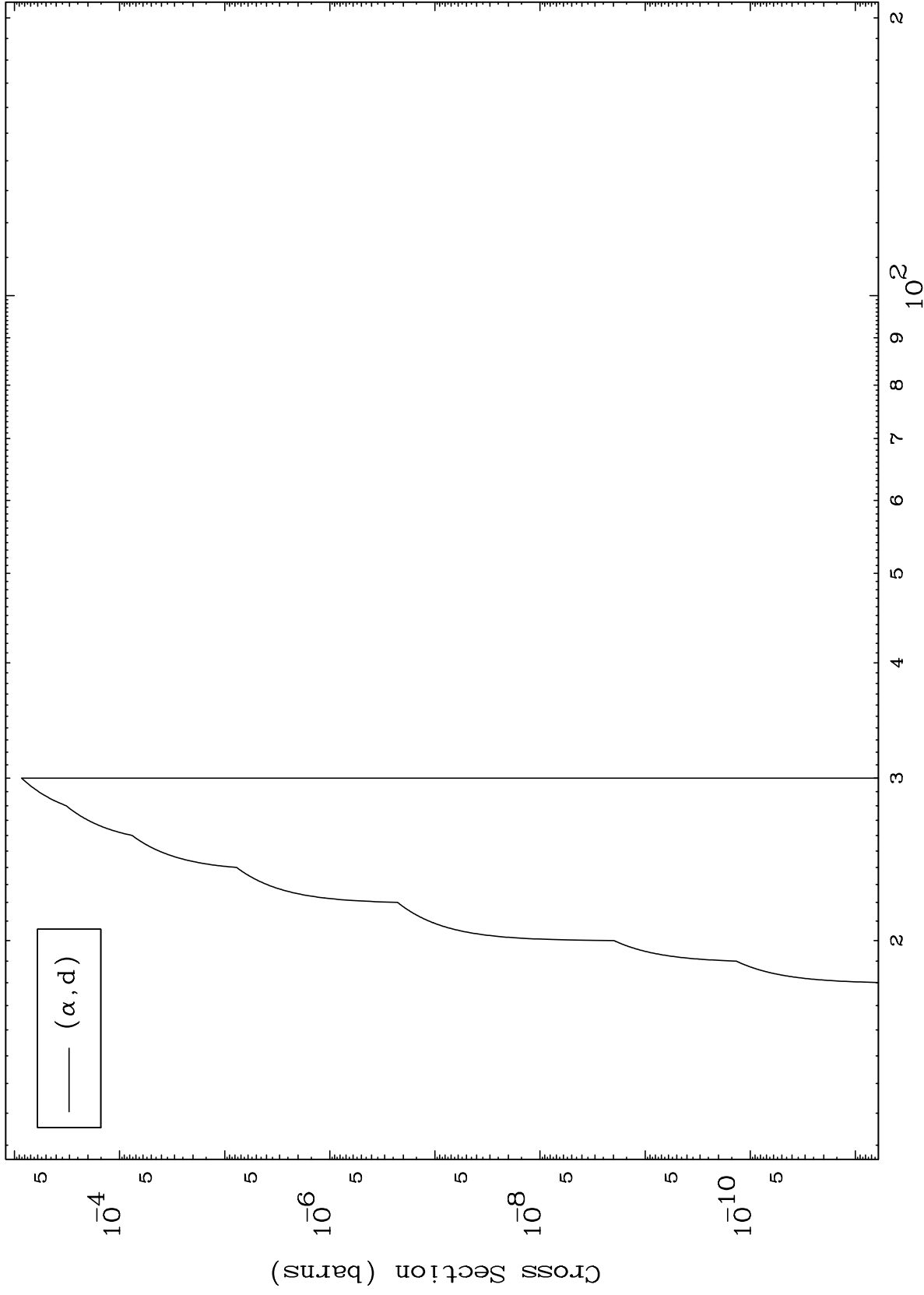
81-Tl-200

6

MAT 81116

(α, d) Levels
0 Kelvin Cross Sections

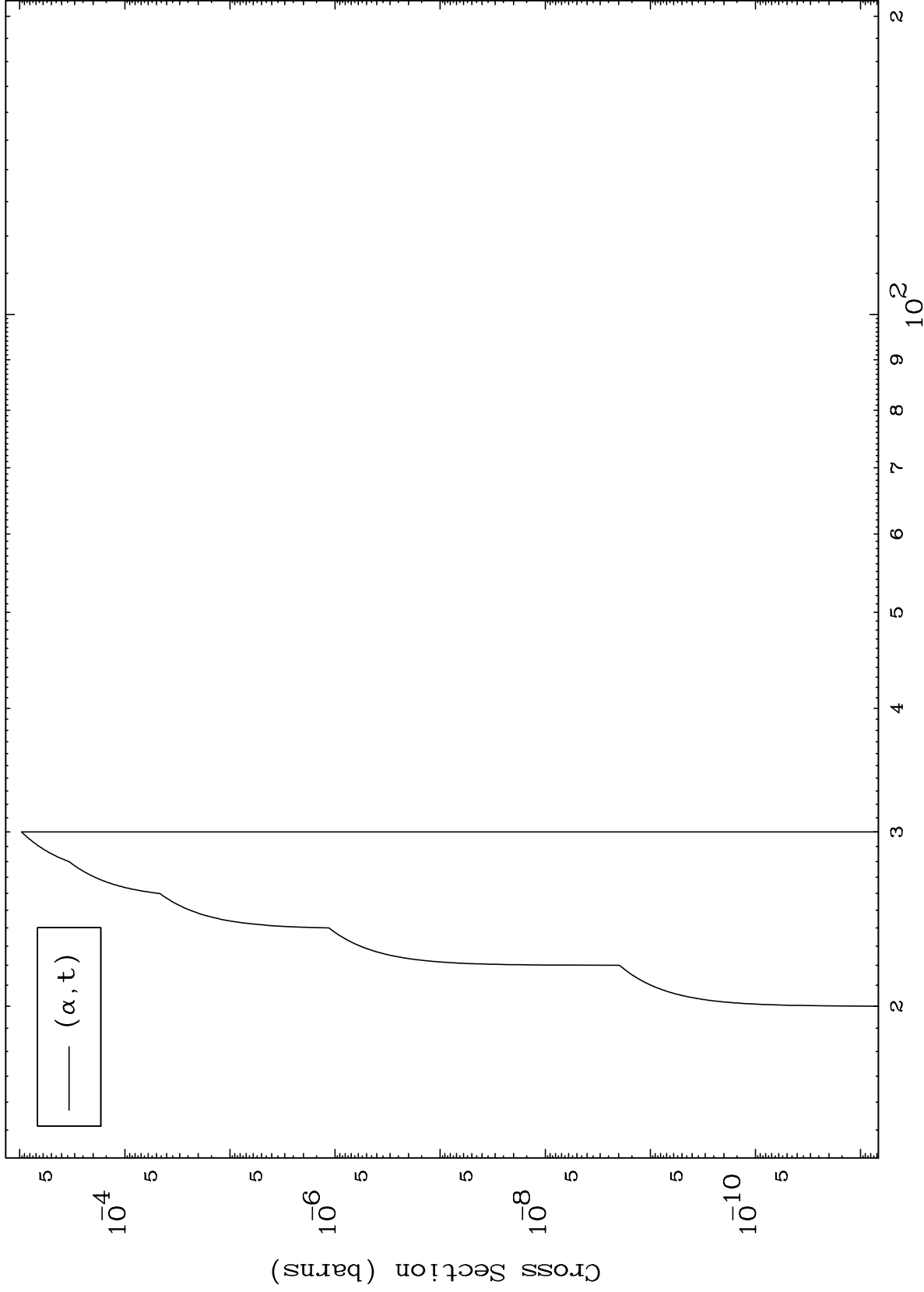
81-Tl-200



MAT 81116

(α, t) Levels
0 Kelvin Cross Sections

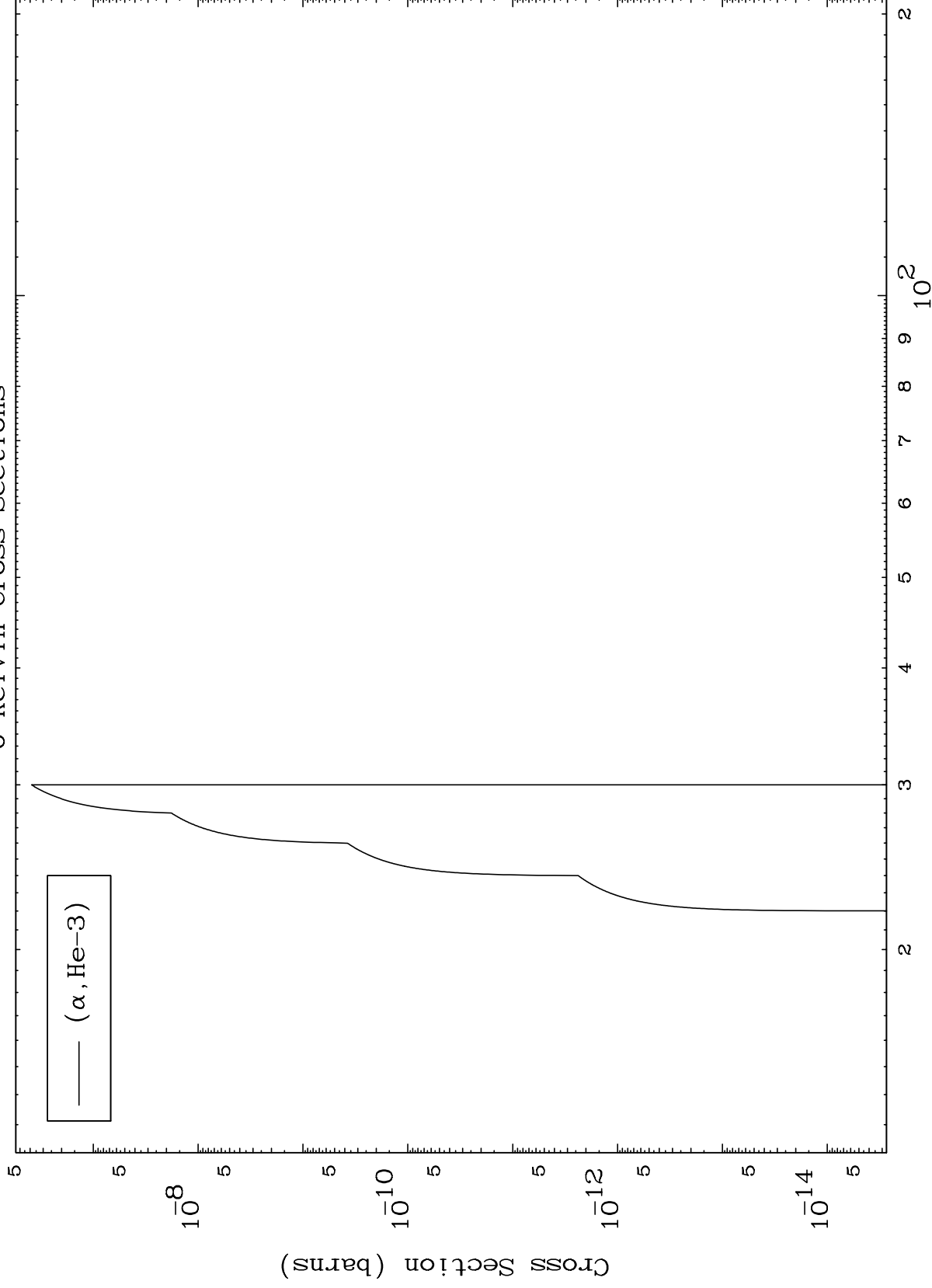
81-Tl-200



8

Incident Energy (MeV)

81-Tl-200

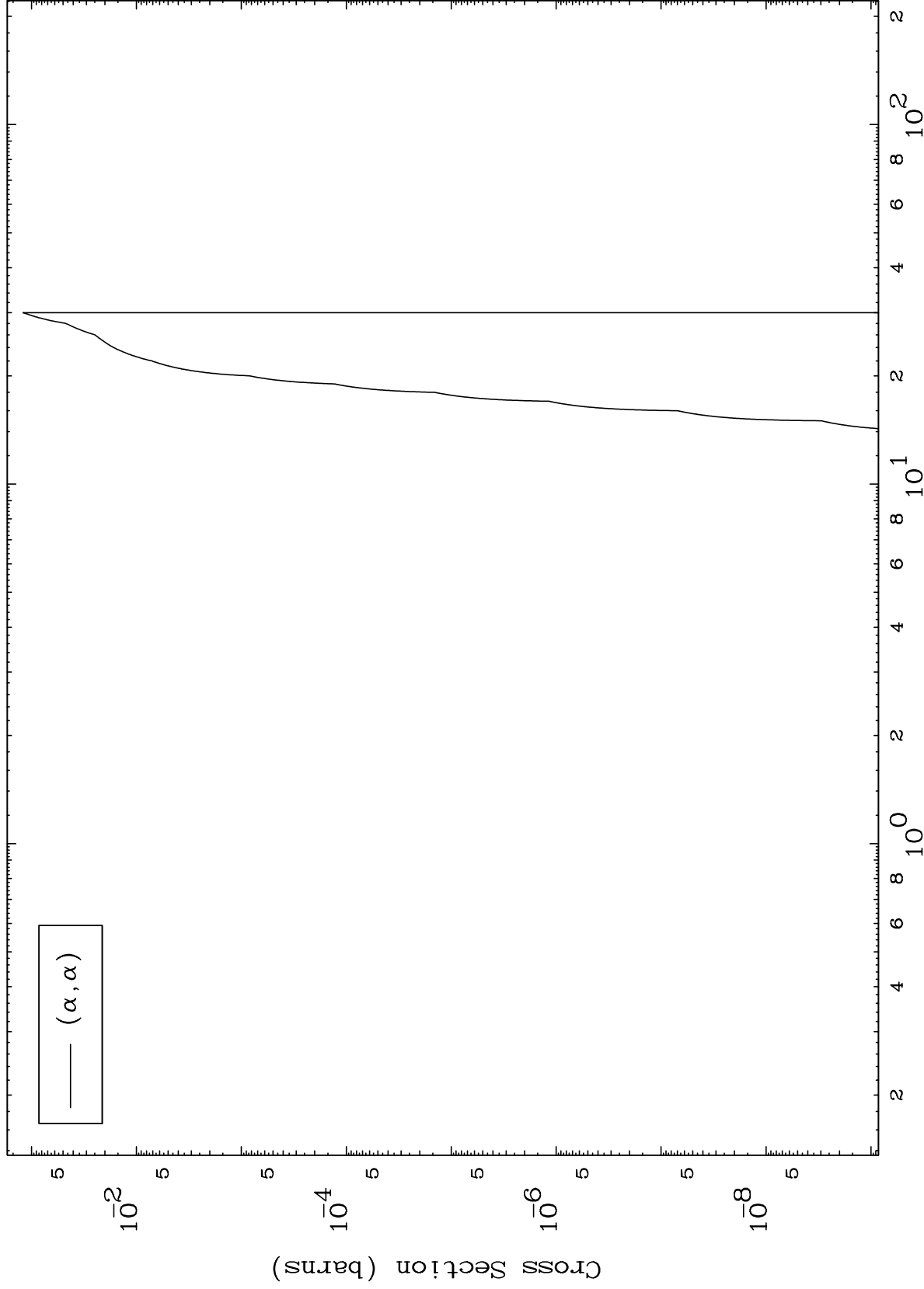


MAT 81116

(α, α) Levels

81-Tl-200

0 Kelvin Cross Sections



10

Incident Energy (MeV)

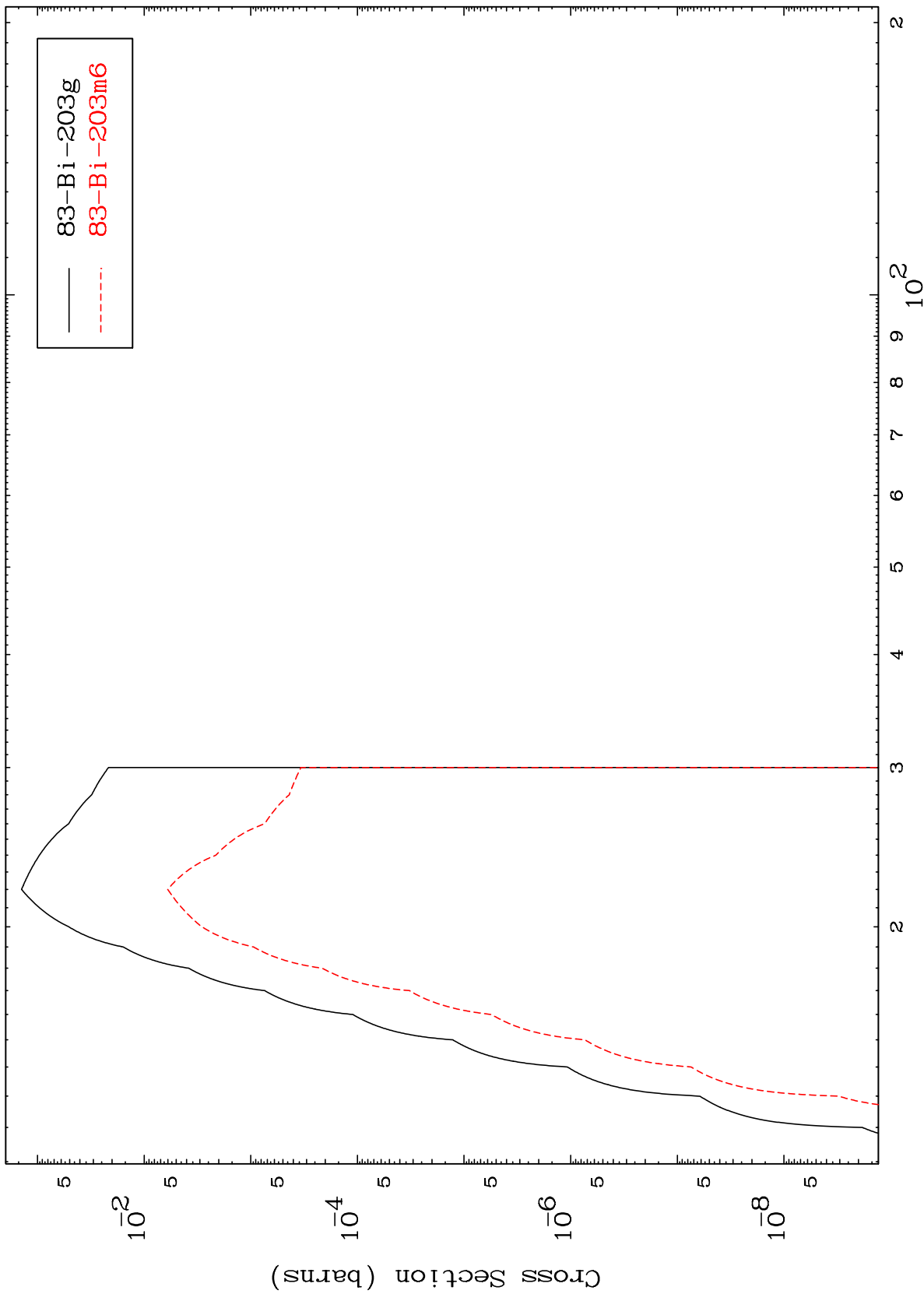
81-Tl-200

MAT 81116

81-Tl-200

Radionuclide Production Cross Section

α Inelastic



11

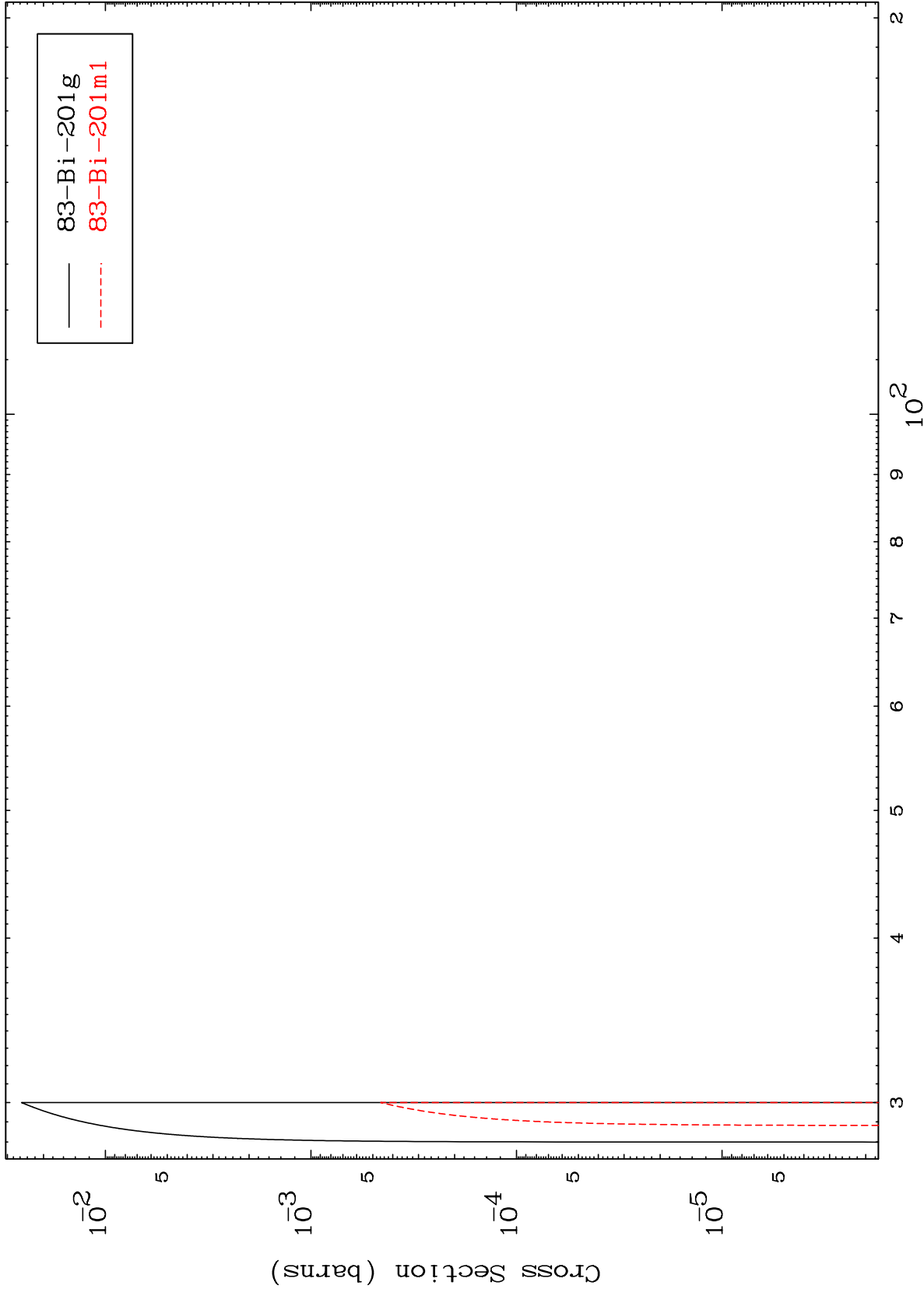
Incident Energy (MeV)

81-Tl-200

MAT 81116

81-Tl-200

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



— $^{83}\text{Bi-201g}$
- - - $^{83}\text{Bi-201m1}$

12

81-Tl-200

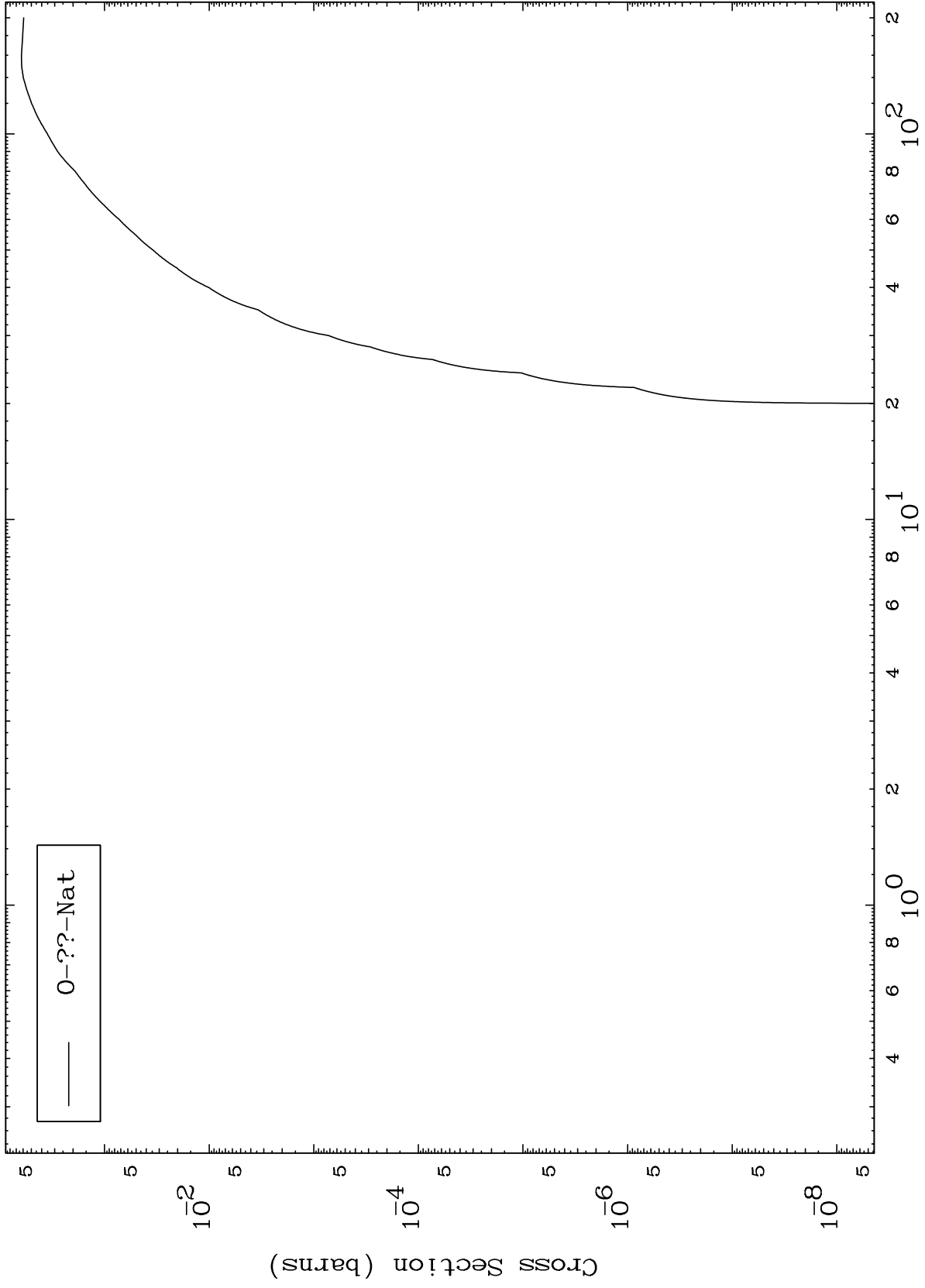
Incident Energy (MeV)

MAT 81116

α Fission

81-Tl-200

Radionuclide Production Cross Section

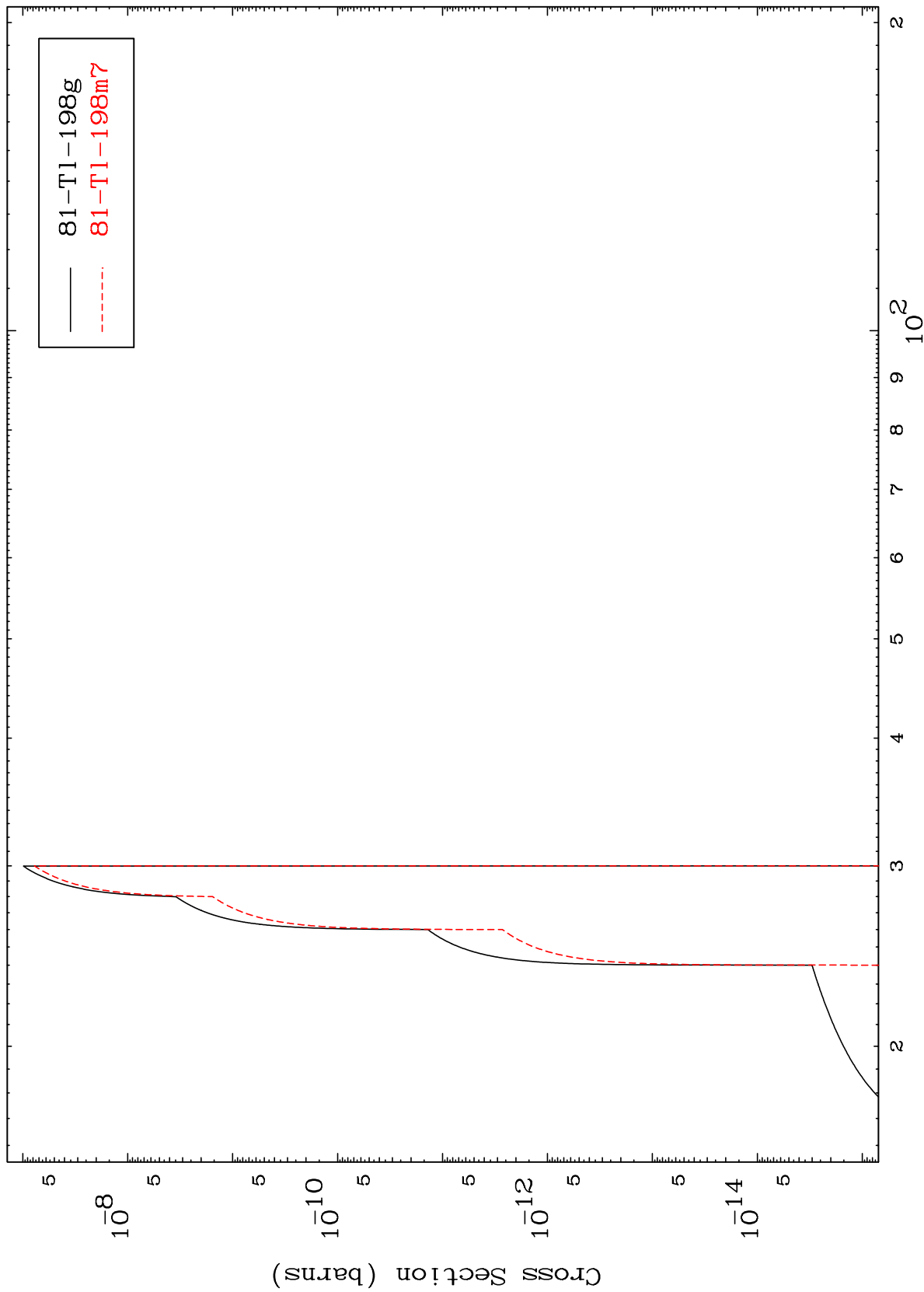


MAT 81116

$(\alpha, 2n) \alpha$

81-Tl-200

Radionuclide Production Cross Section



14

Incident Energy (MeV)

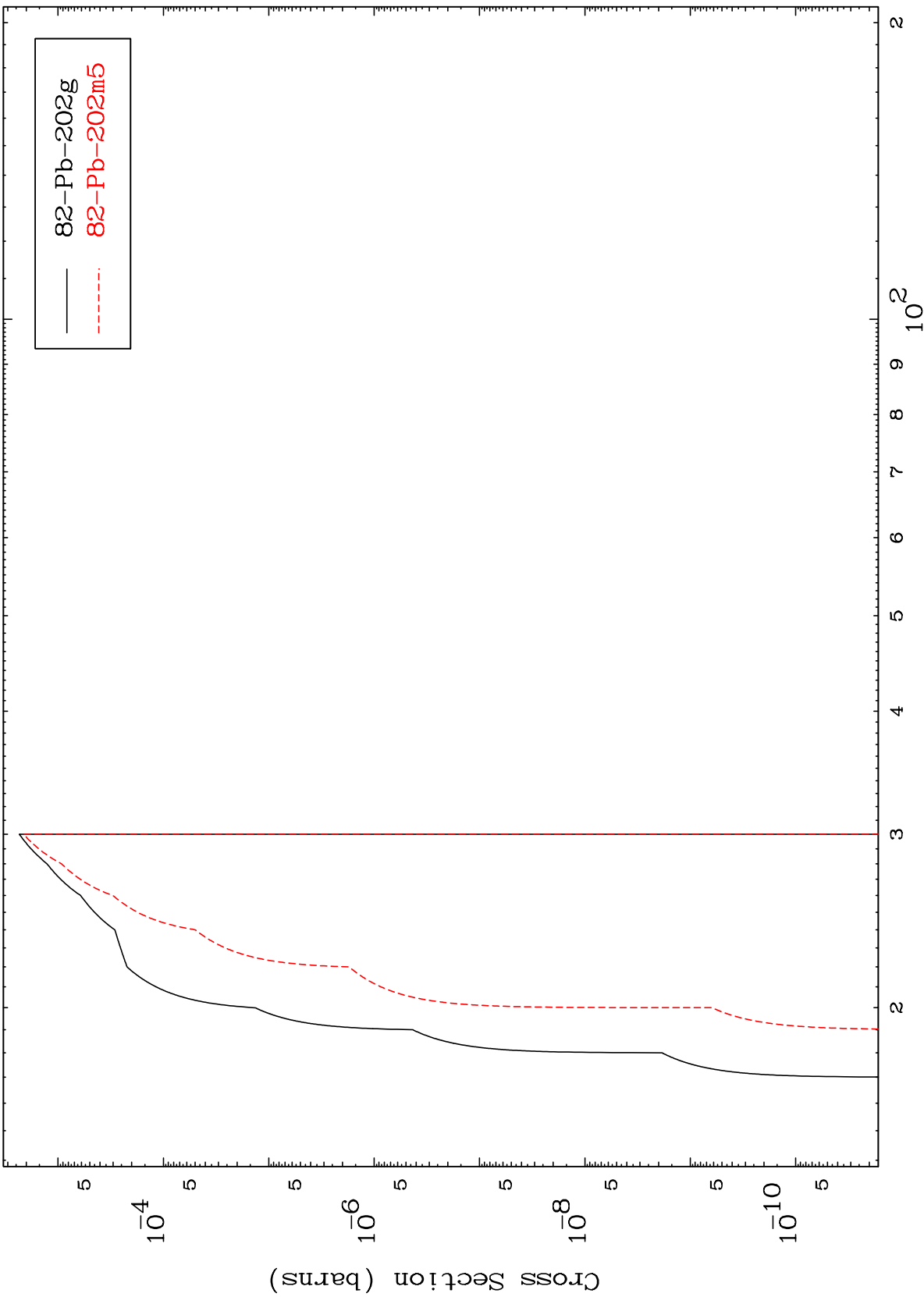
81-Tl-200

MAT 81116

(α, n') p

81-Tl-200

Radionuclide Production Cross Section



15

Incident Energy (MeV)

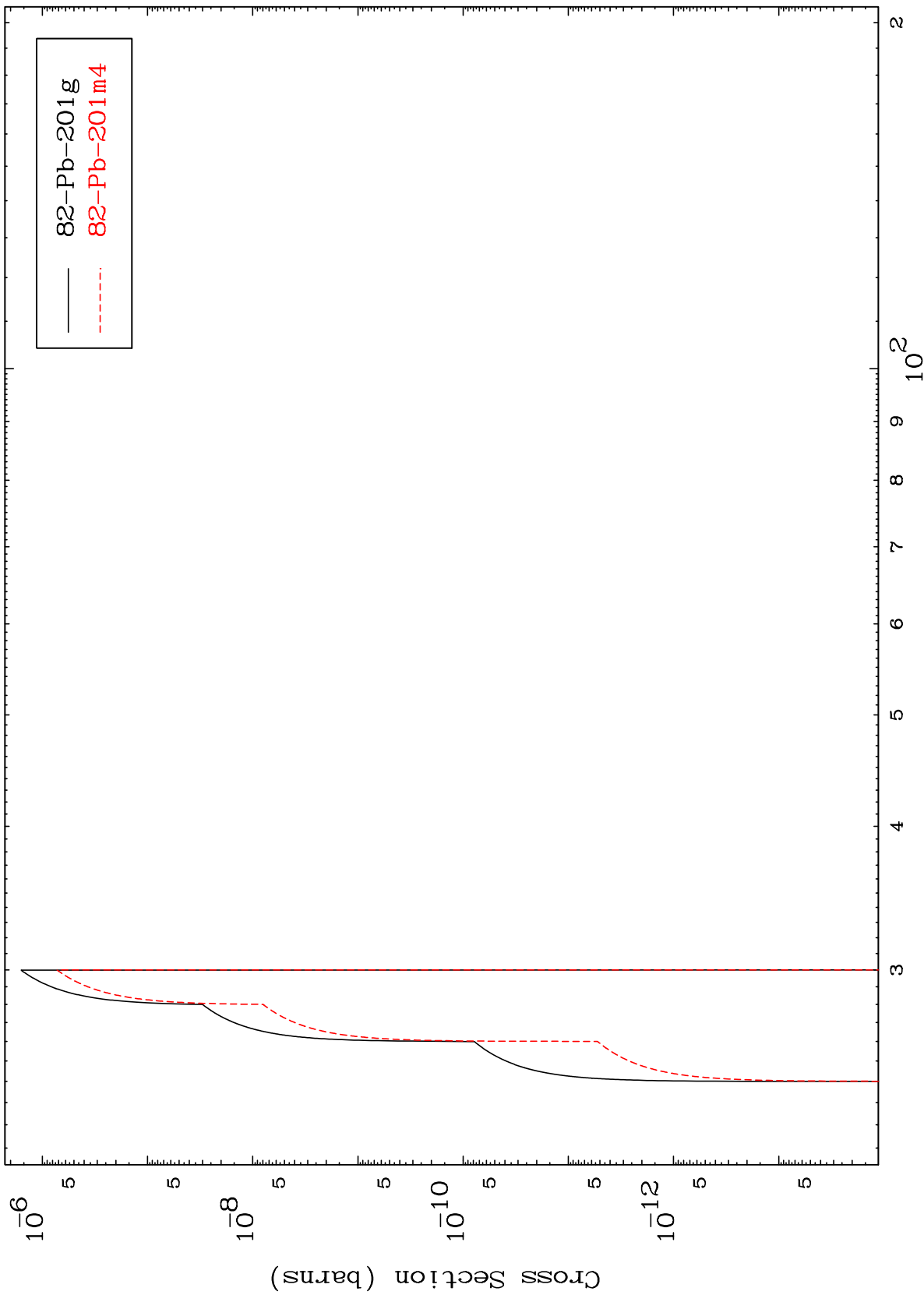
81-Tl-200

MAT 81116

(α, n') d

81-Tl-200

Radionuclide Production Cross Section

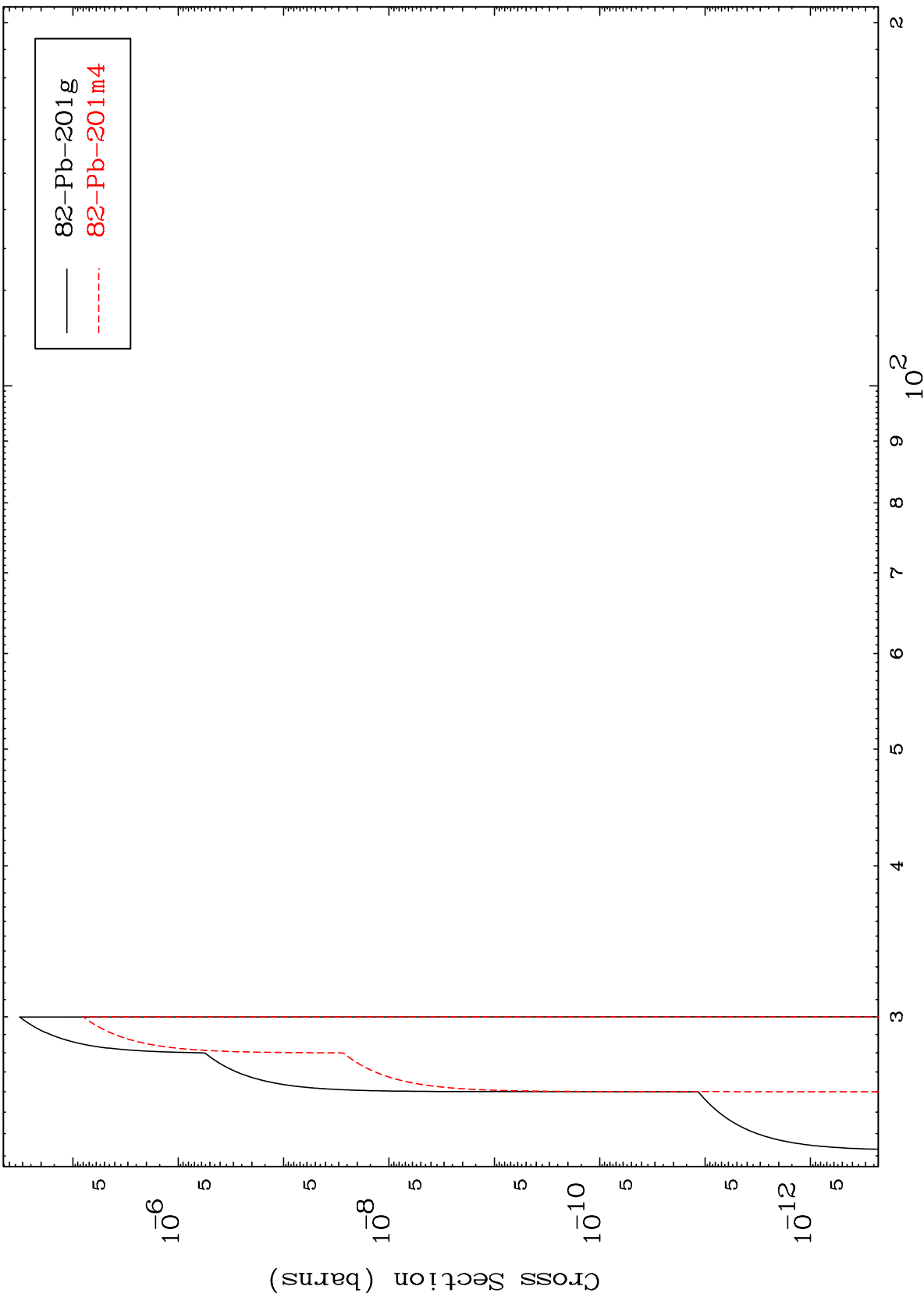


16

Incident Energy (MeV)

81-Tl-200

Radionuclide Production Cross Section

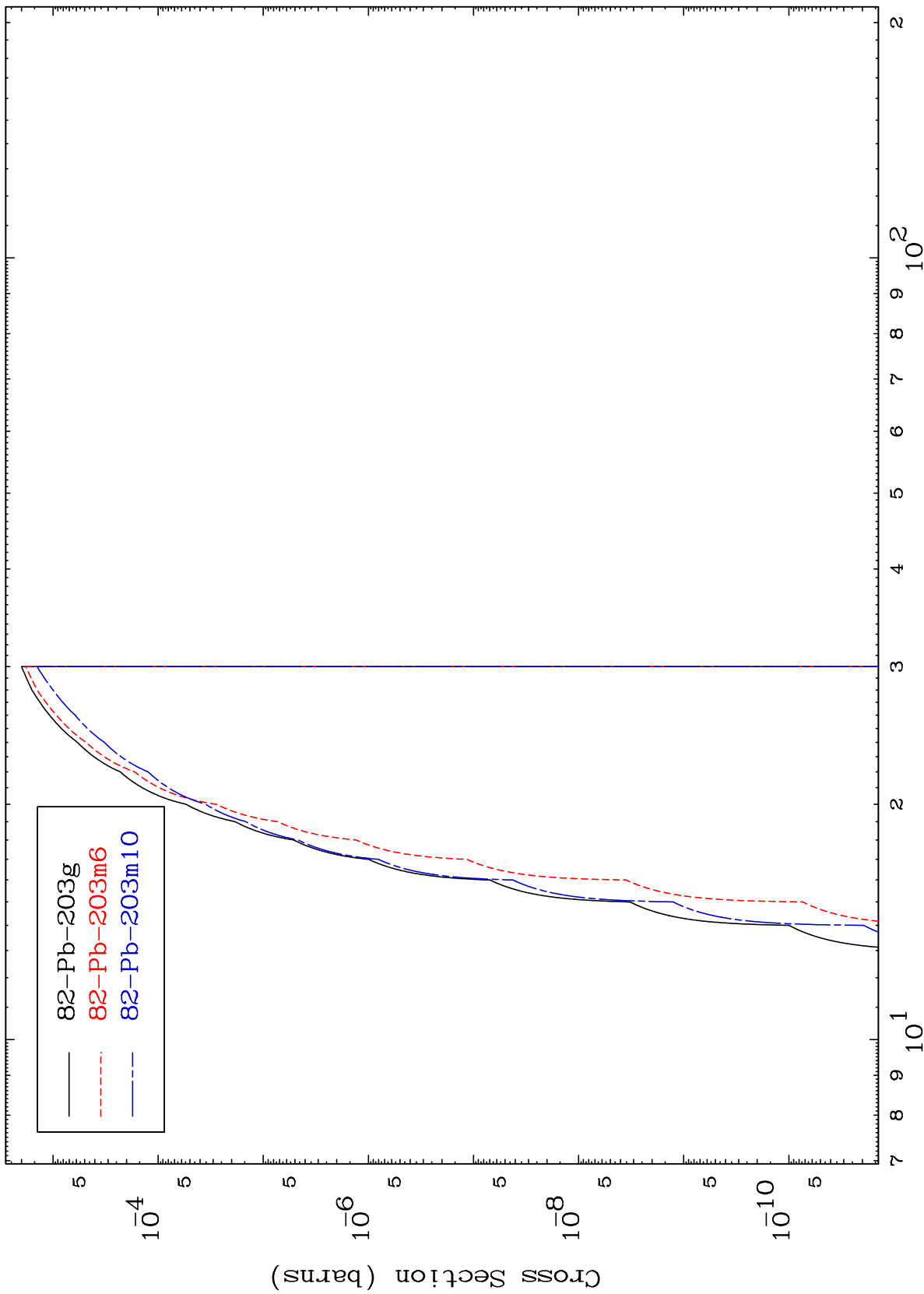


82-Pb-201g
82-Pb-201m4

MAT 81116

81-Tl-200

(α, p)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

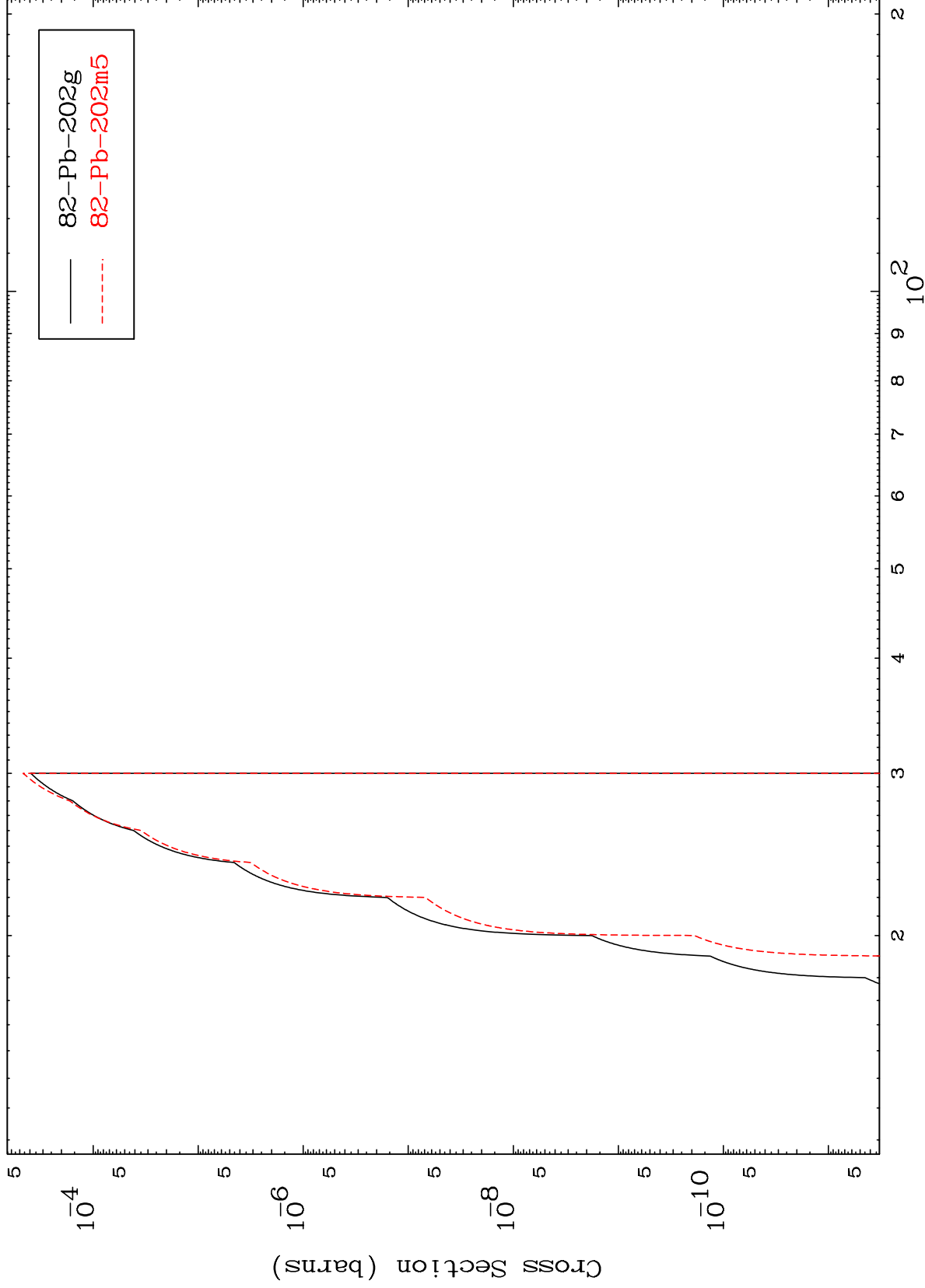
81-Tl-200

MAT 81116

(α, d)

81-Tl-200

Radionuclide Production Cross Section



19

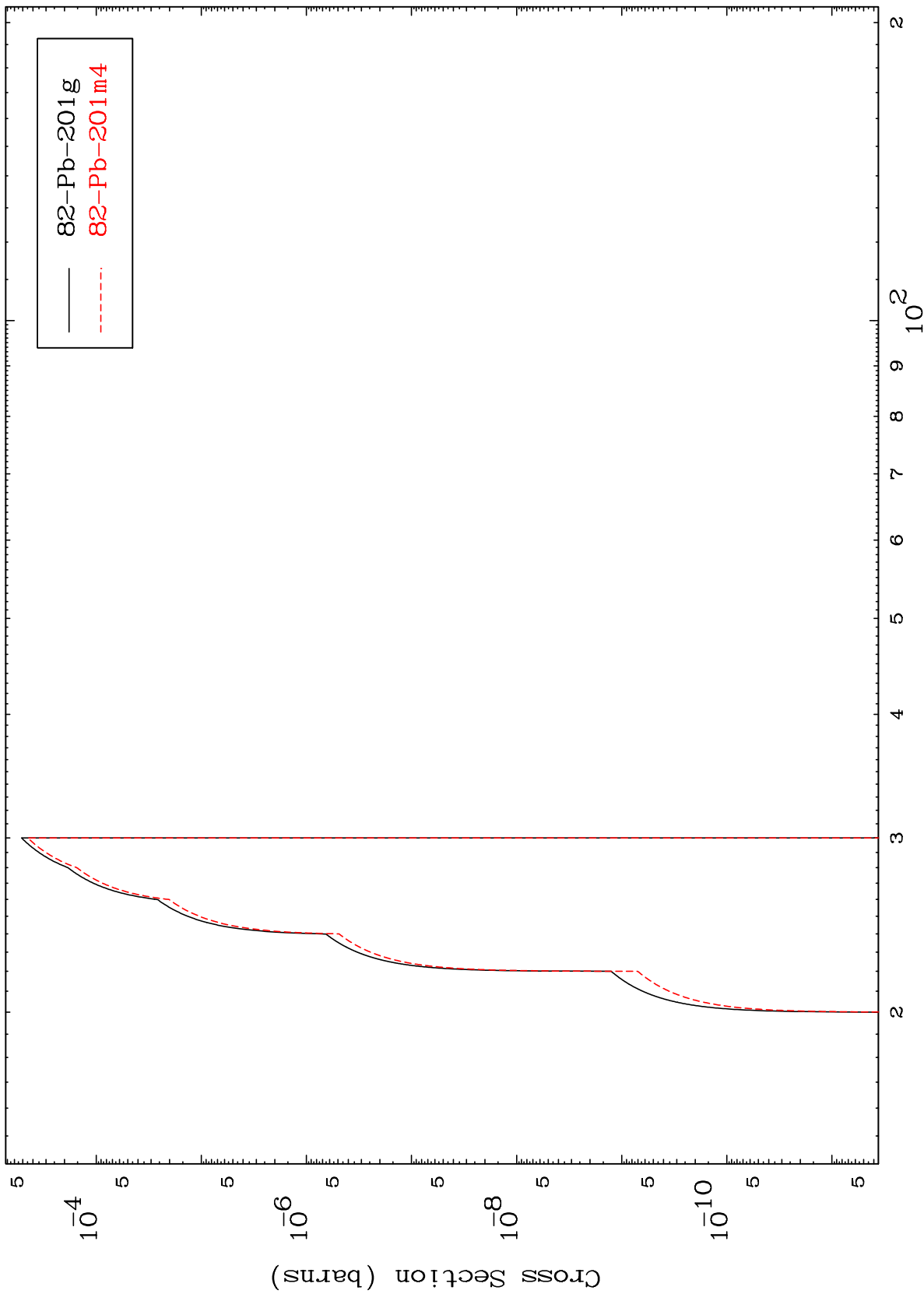
Incident Energy (MeV)

81-Tl-200

MAT 81116

81-T1-200

(α, t)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

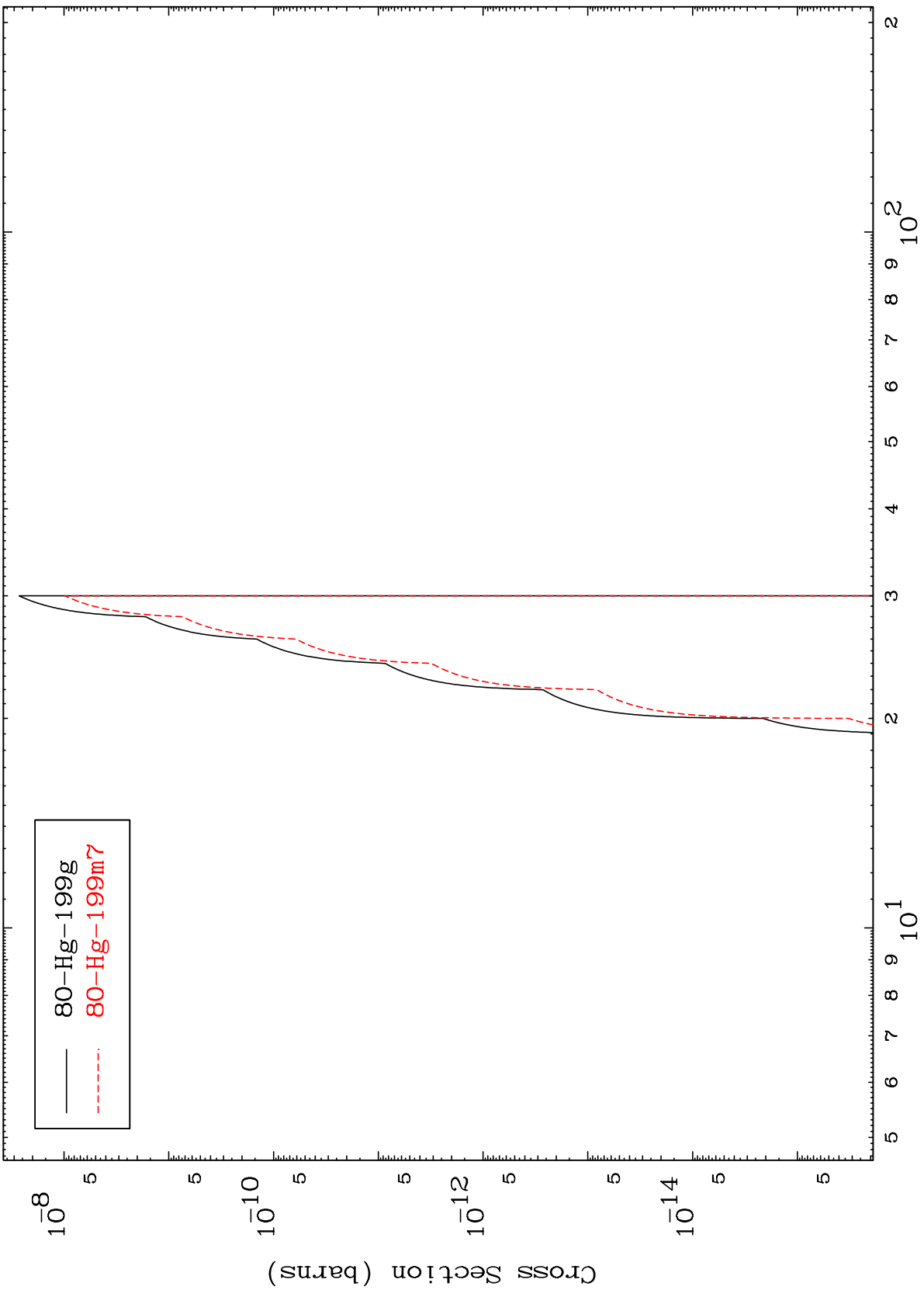
81-T1-200

MAT 81116

(α, p) α

81-Tl-200

Radionuclide Production Cross Section



21

Incident Energy (MeV)

81-Tl-200