

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

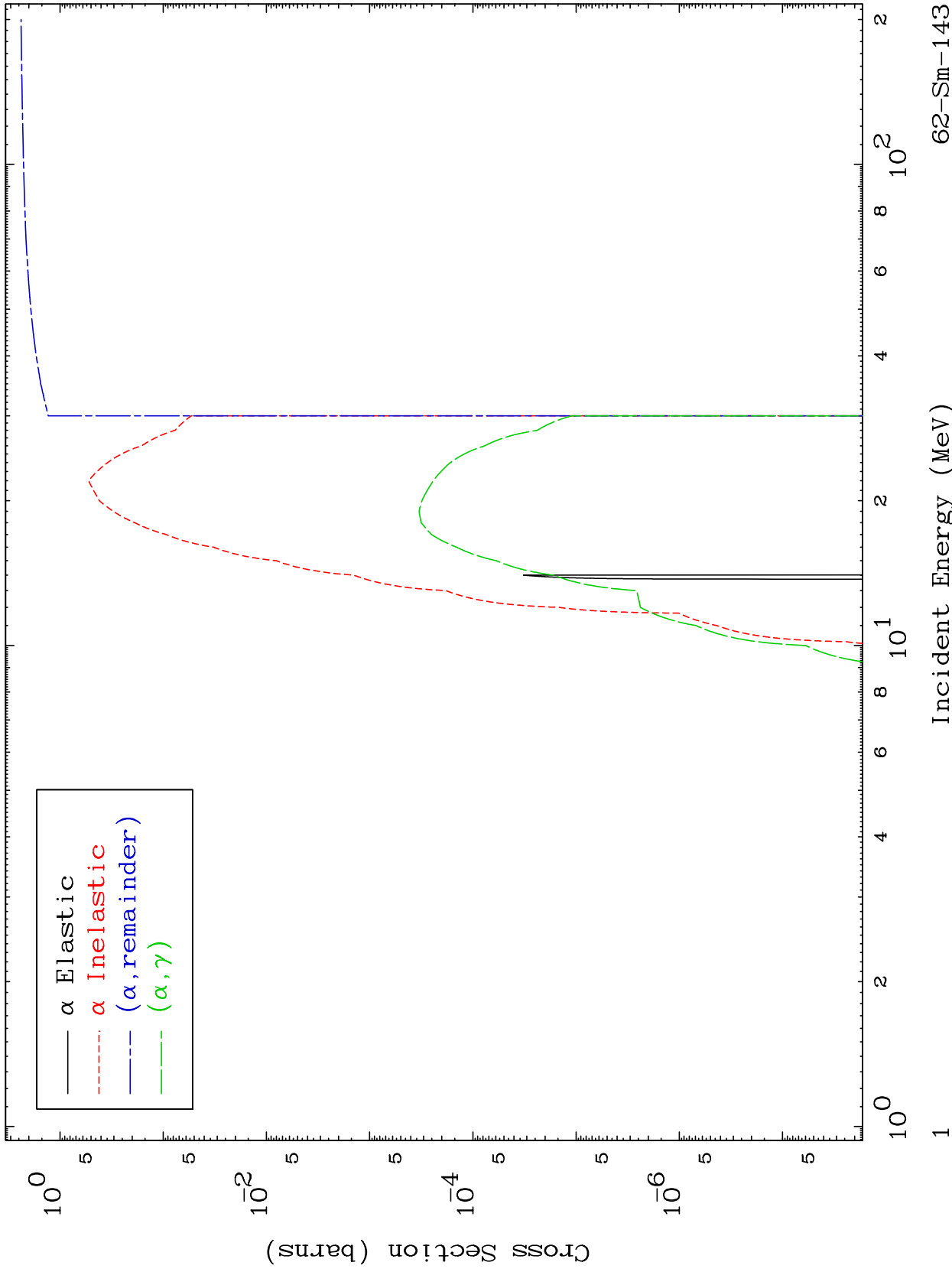
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6223

0 Kelvin  $\alpha$  Major

62-Sm-143

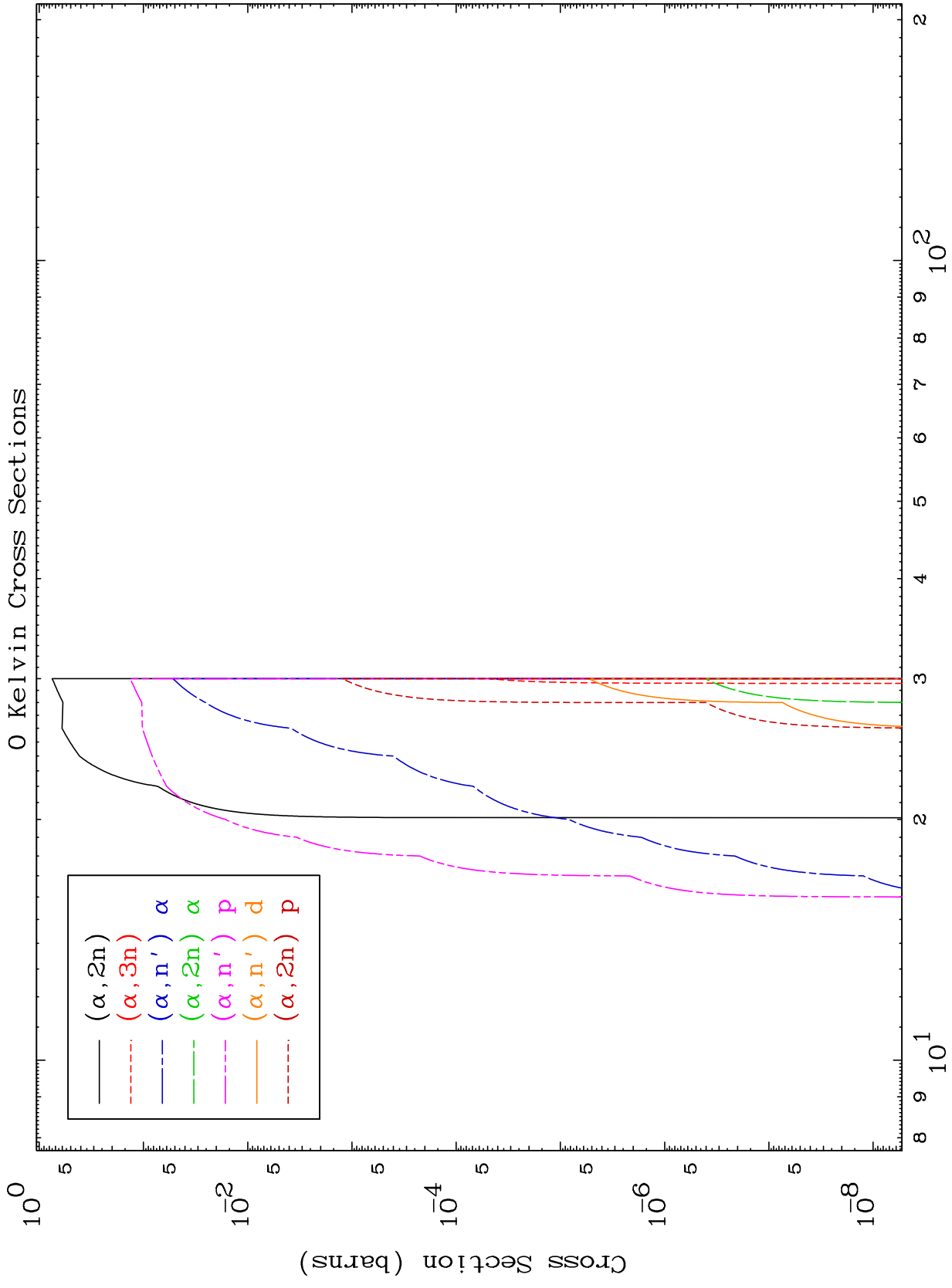


62-Sm-143

MAT 6223

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

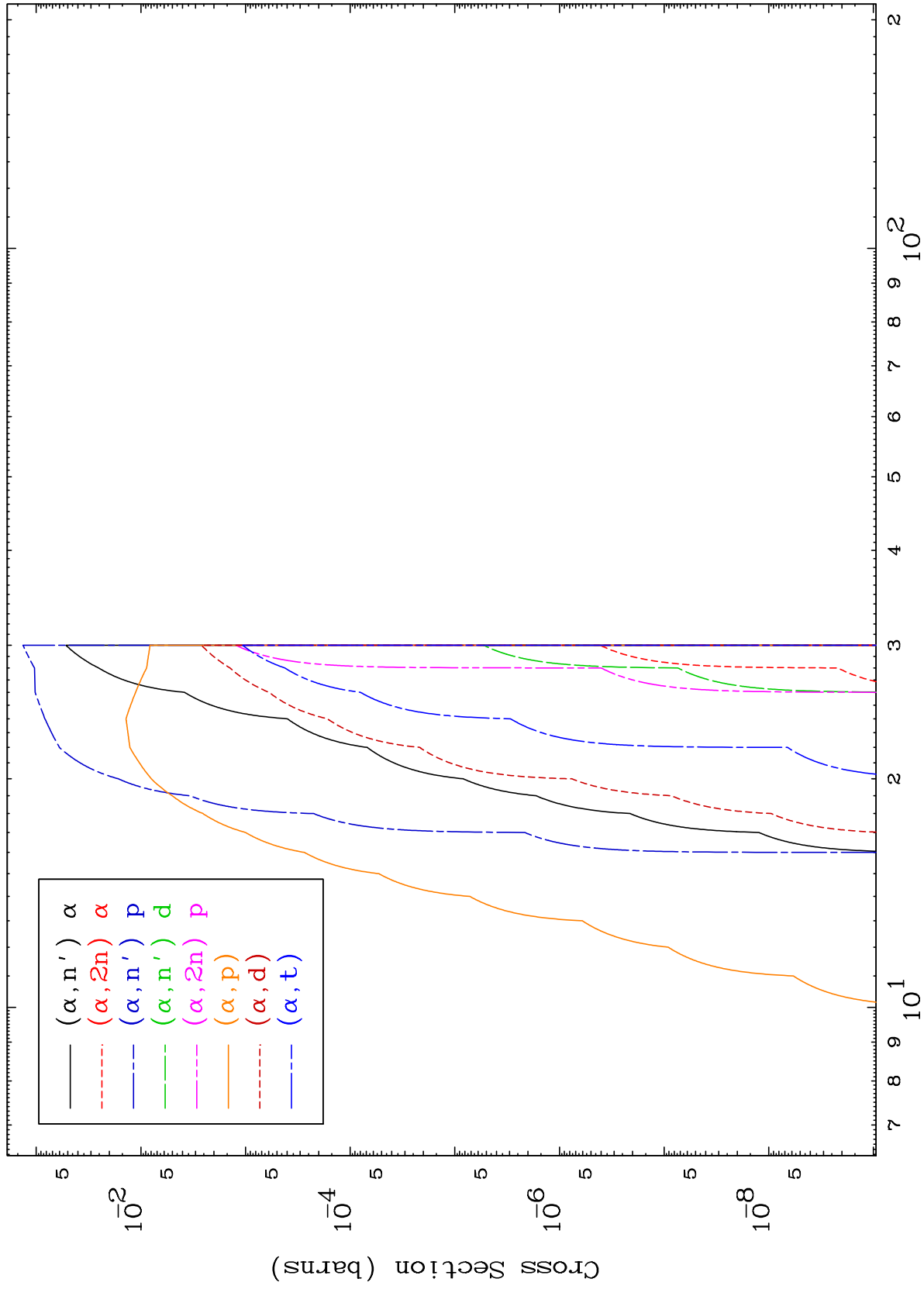
62-Sm-143



2

Incident Energy (MeV)

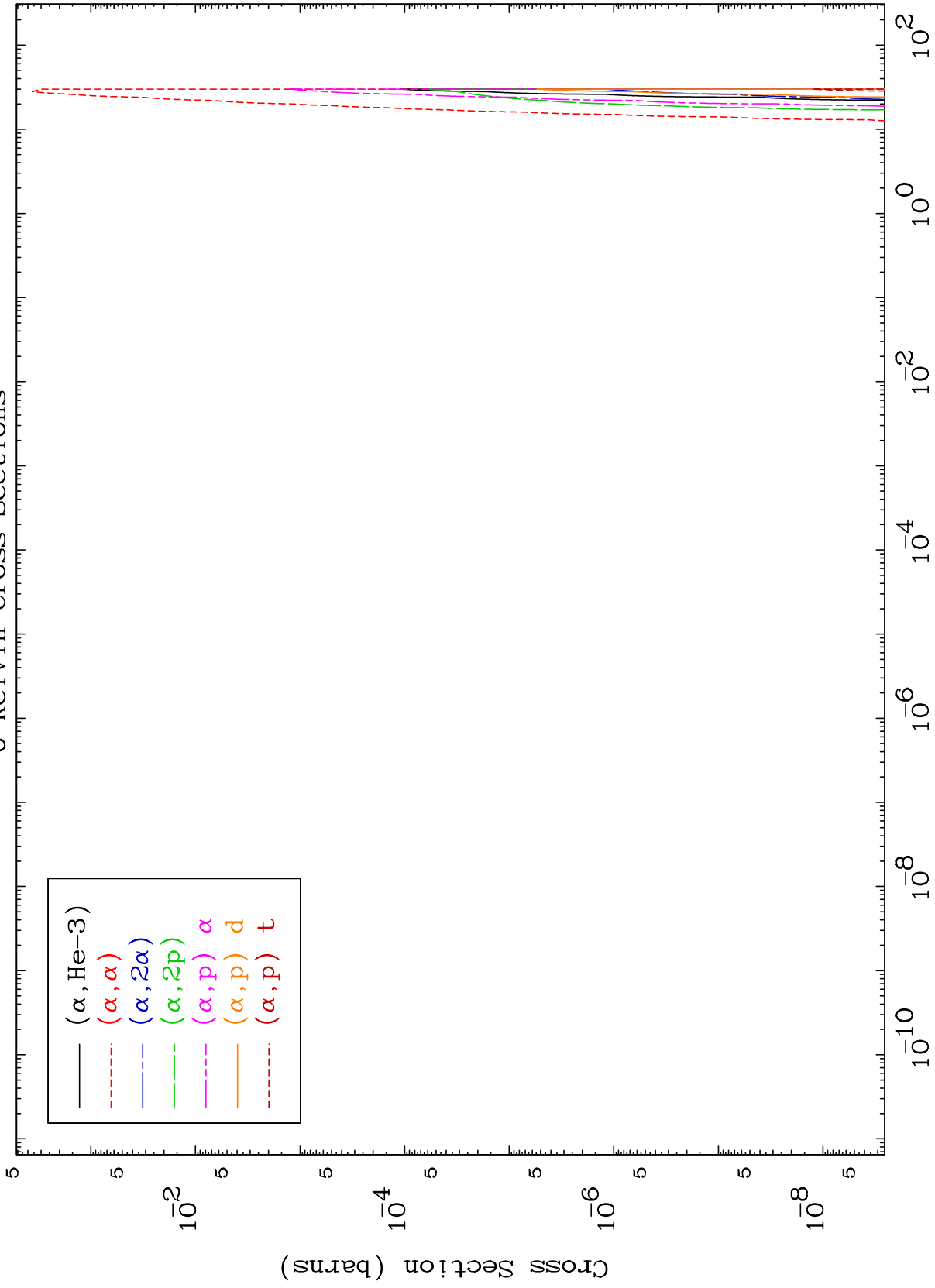
62-Sm-143



MAT 6223

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

62-Sm-143



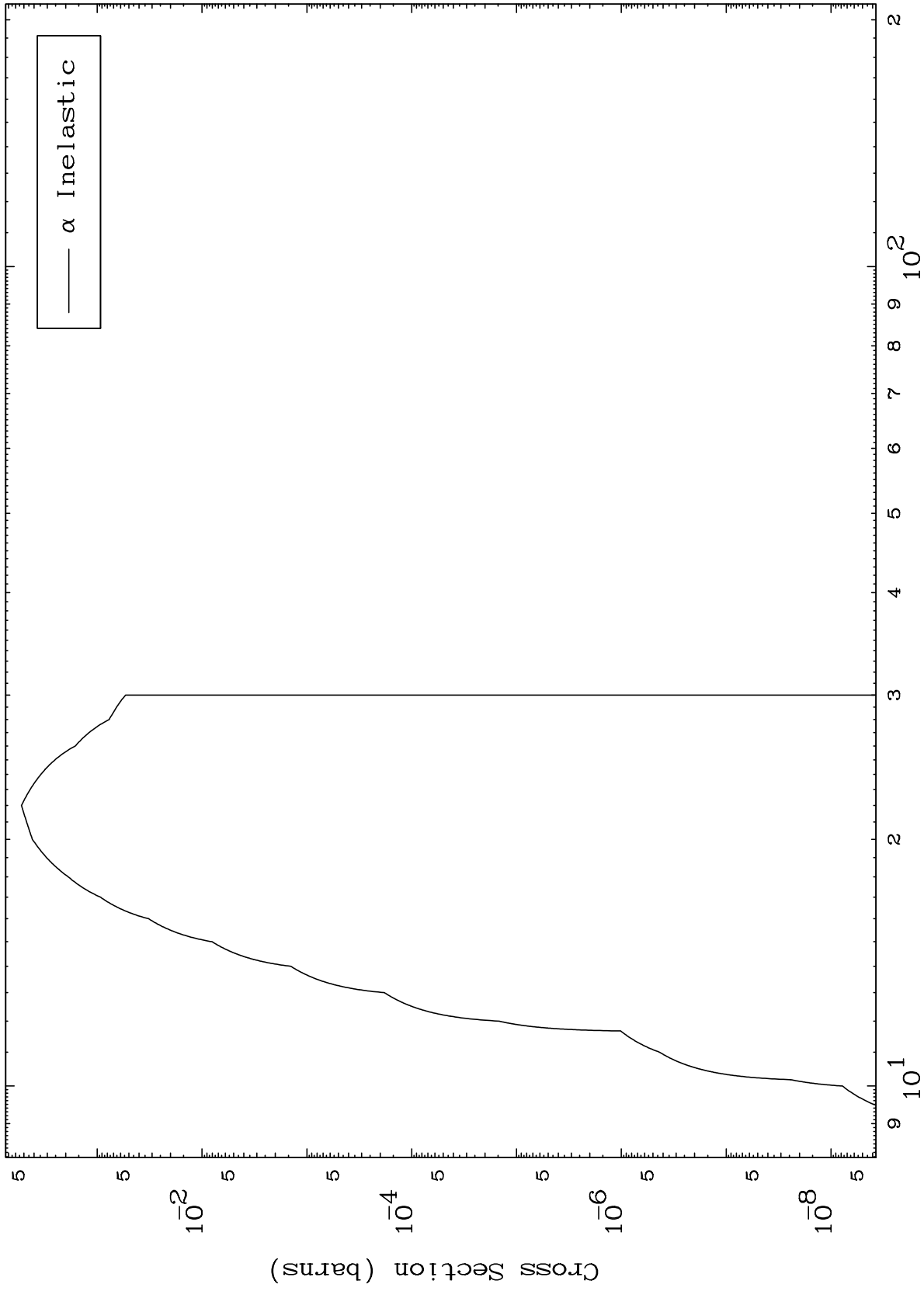
62-Sm-143

Incident Energy (MeV)

MAT 6223

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

62-Sm-143



5

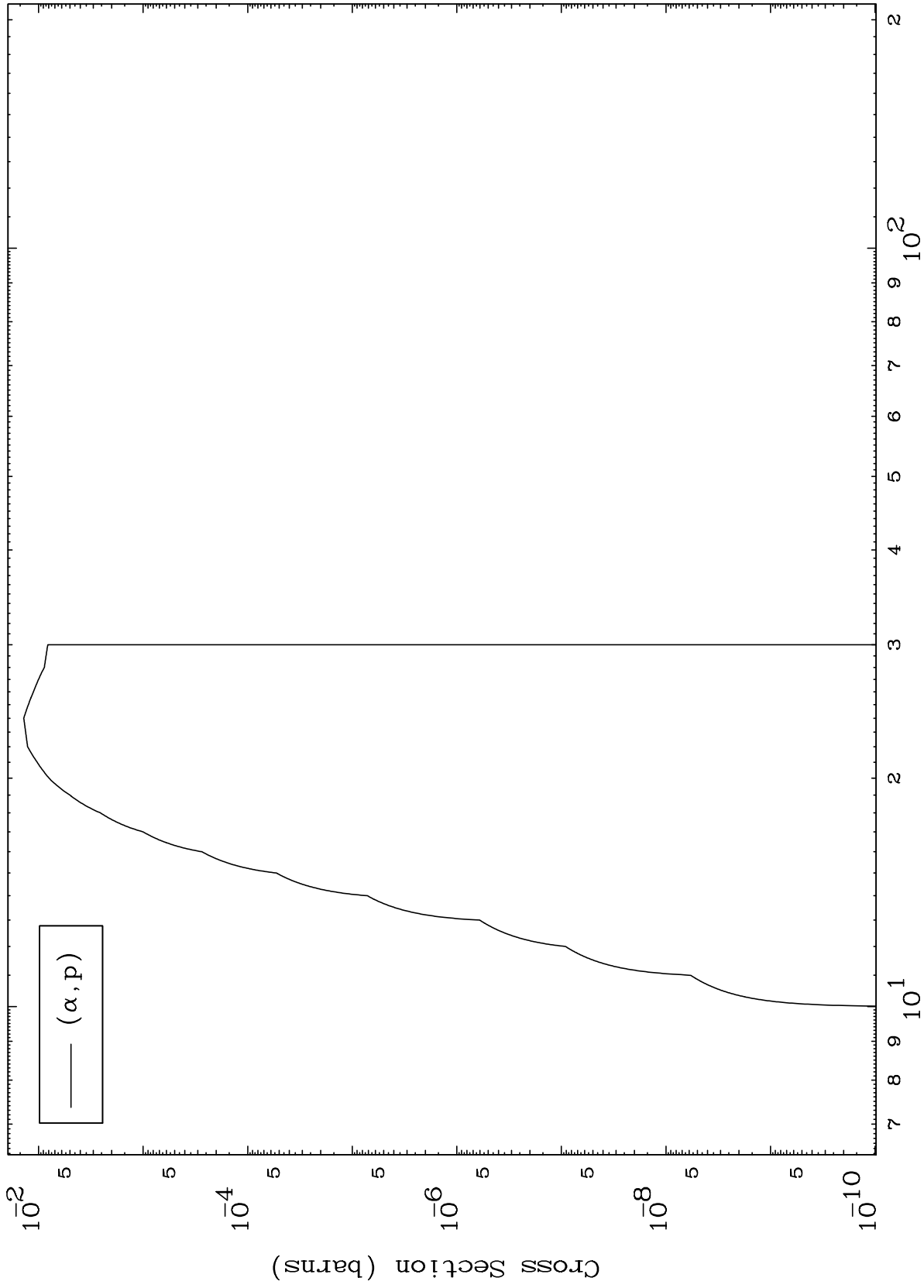
Incident Energy (MeV)

62-Sm-143

MAT 6223

62-Sm-143

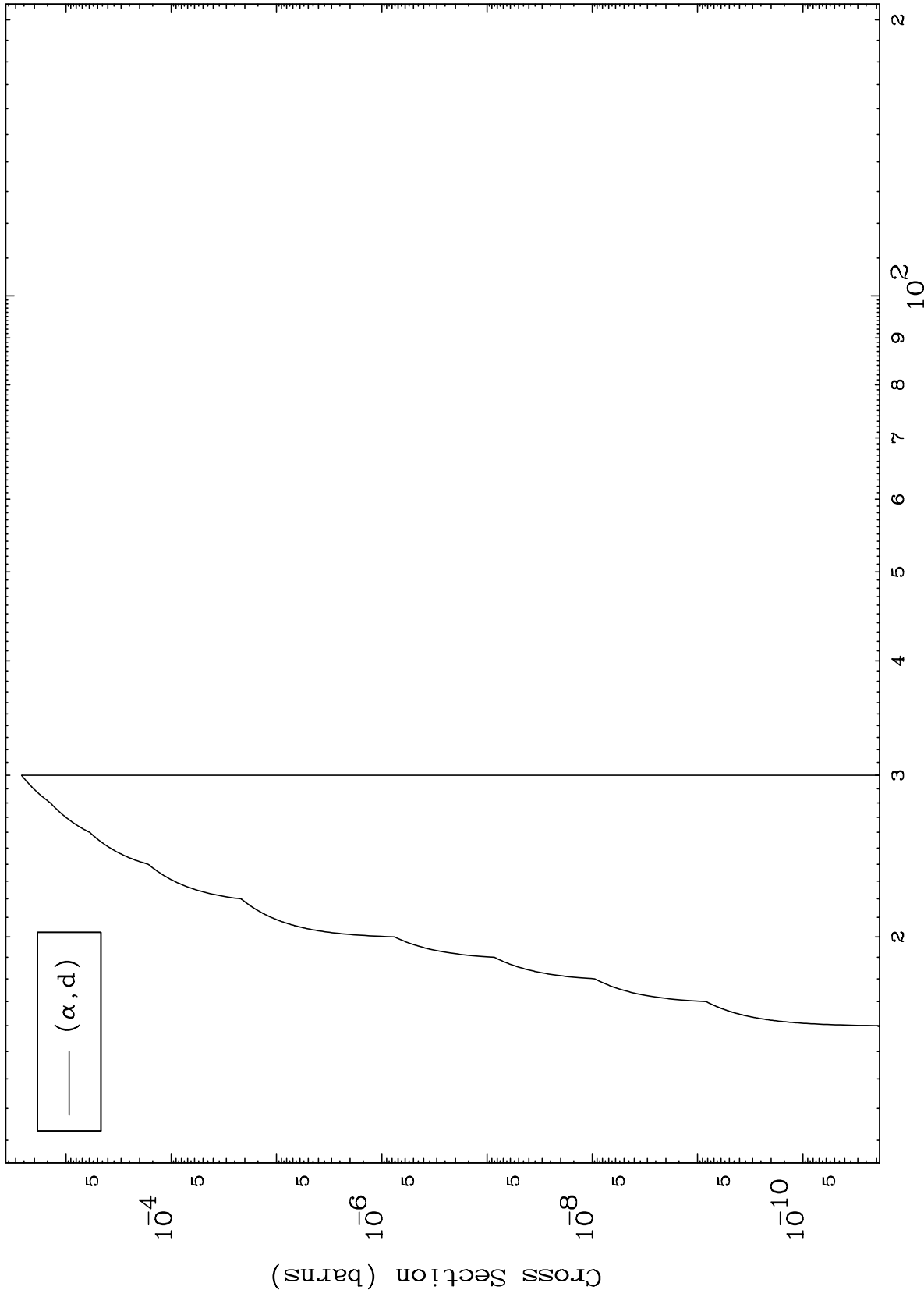
( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections



6

Incident Energy (MeV)

62-Sm-143

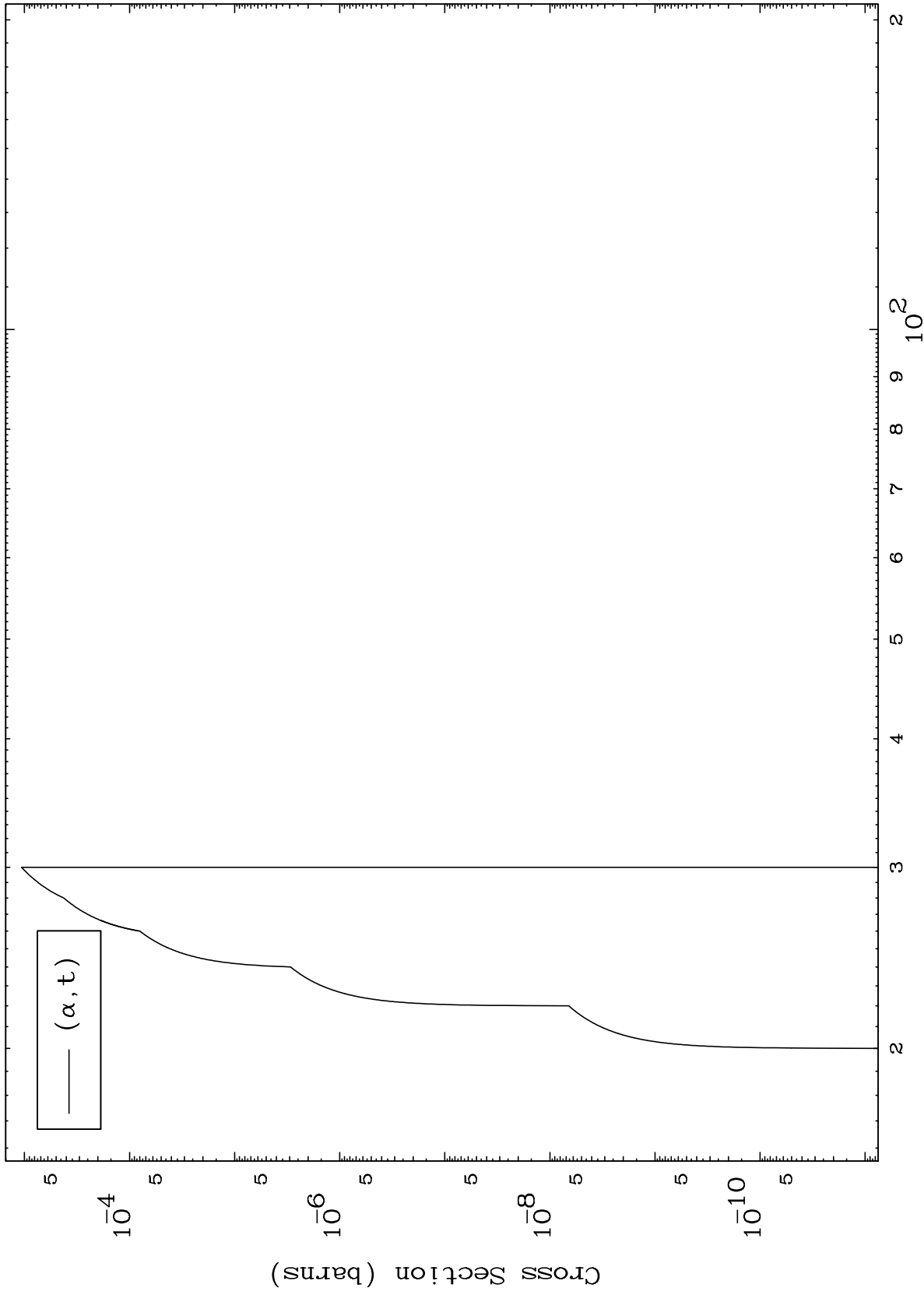




MAT 6223

( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

62-Sm-143



8

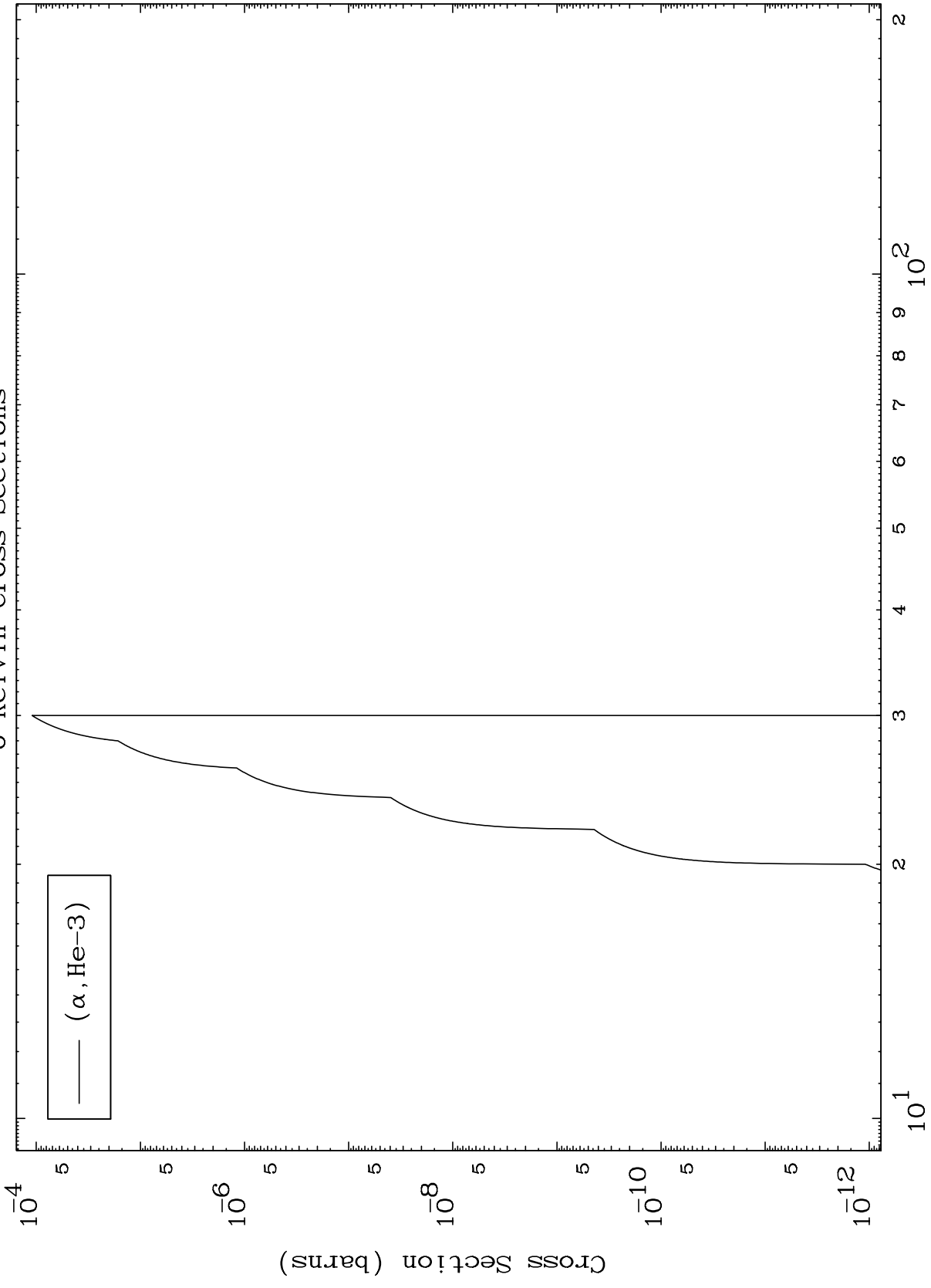
Incident Energy (MeV)

62-Sm-143

MAT 6223

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

62-Sm-143



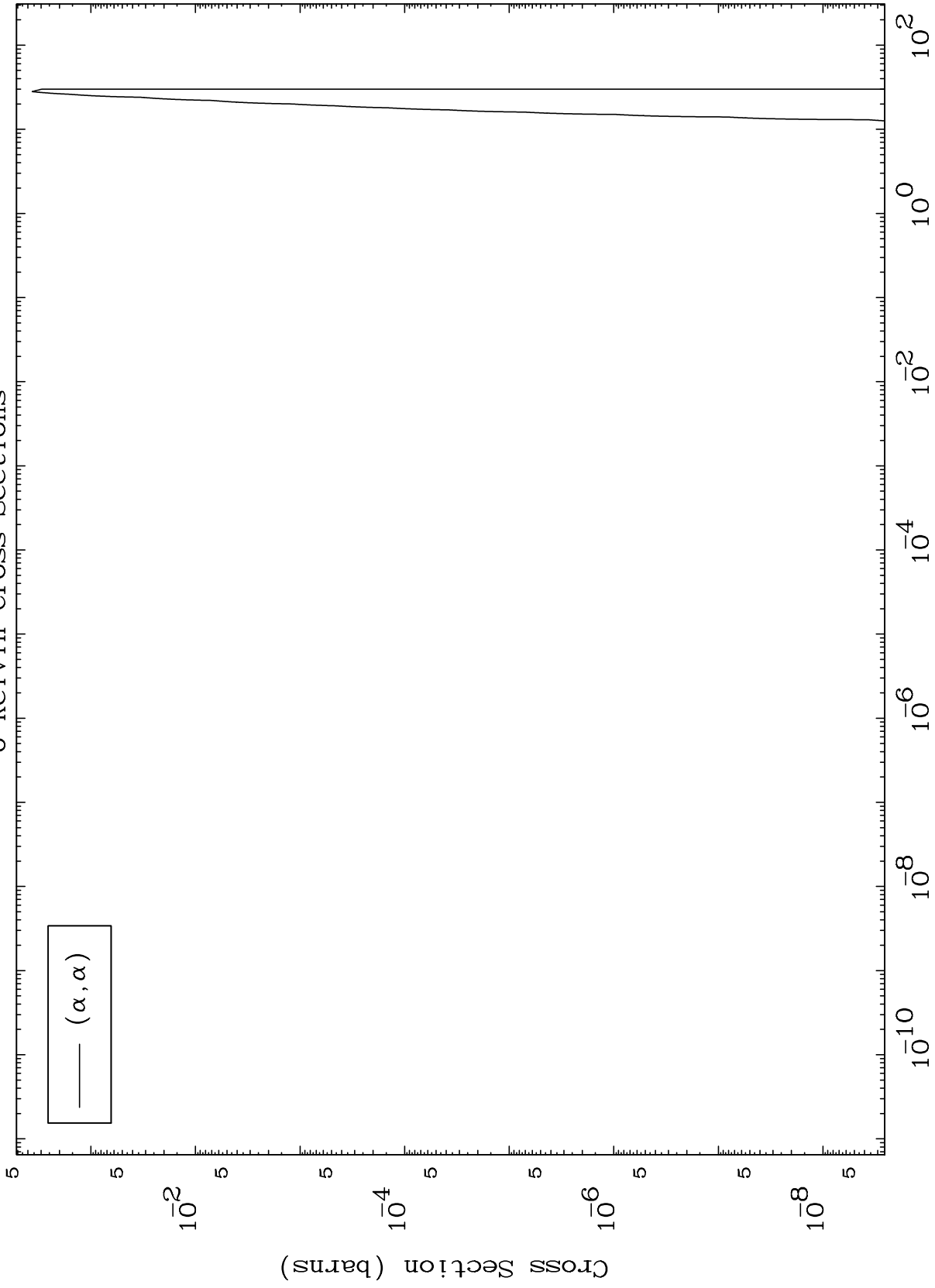
Incident Energy (MeV)

62-Sm-143

MAT 6223

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections

62-Sm-143



10

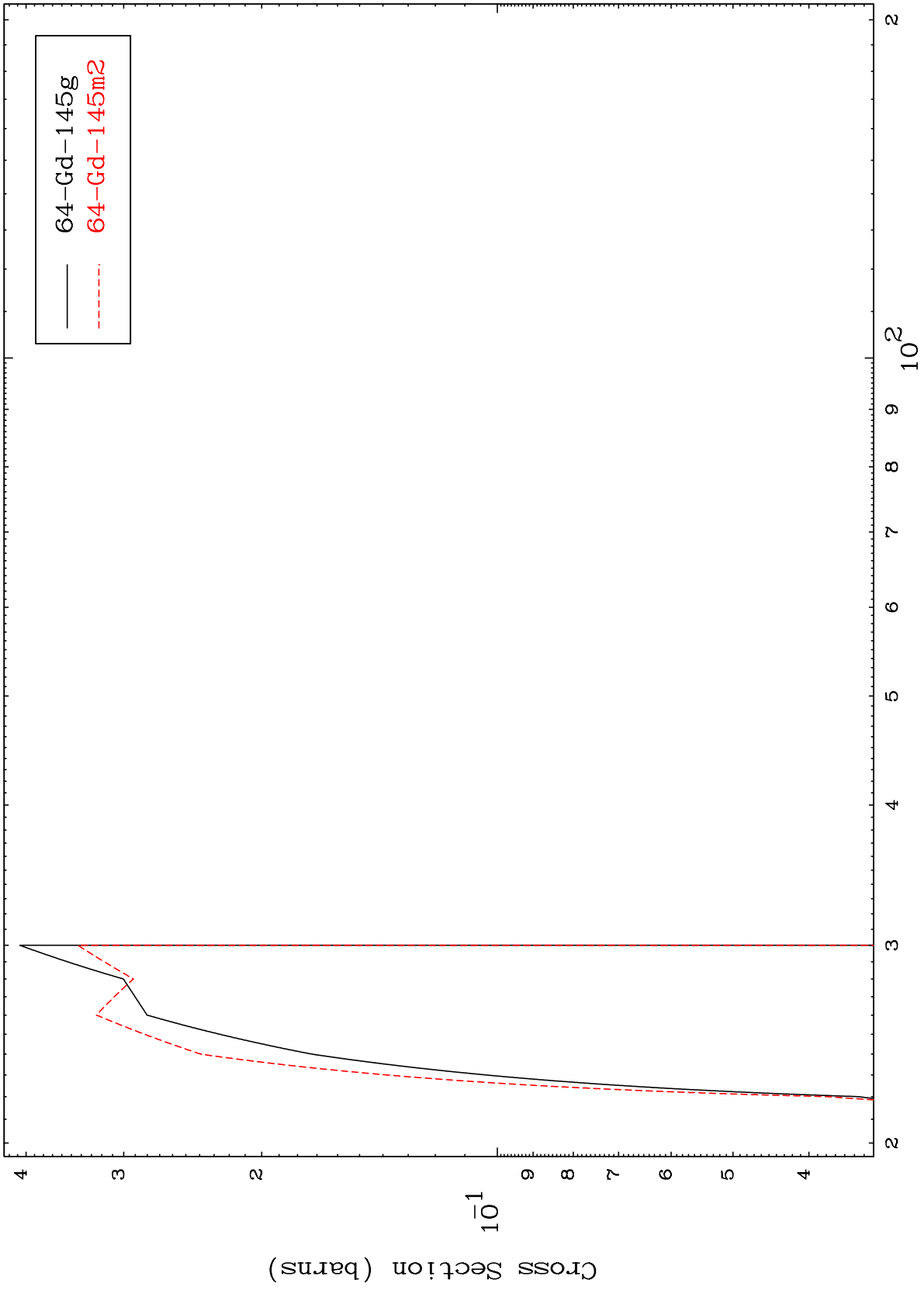
Incident Energy (MeV)

62-Sm-143

MAT 6223

62-Sm-143

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



11

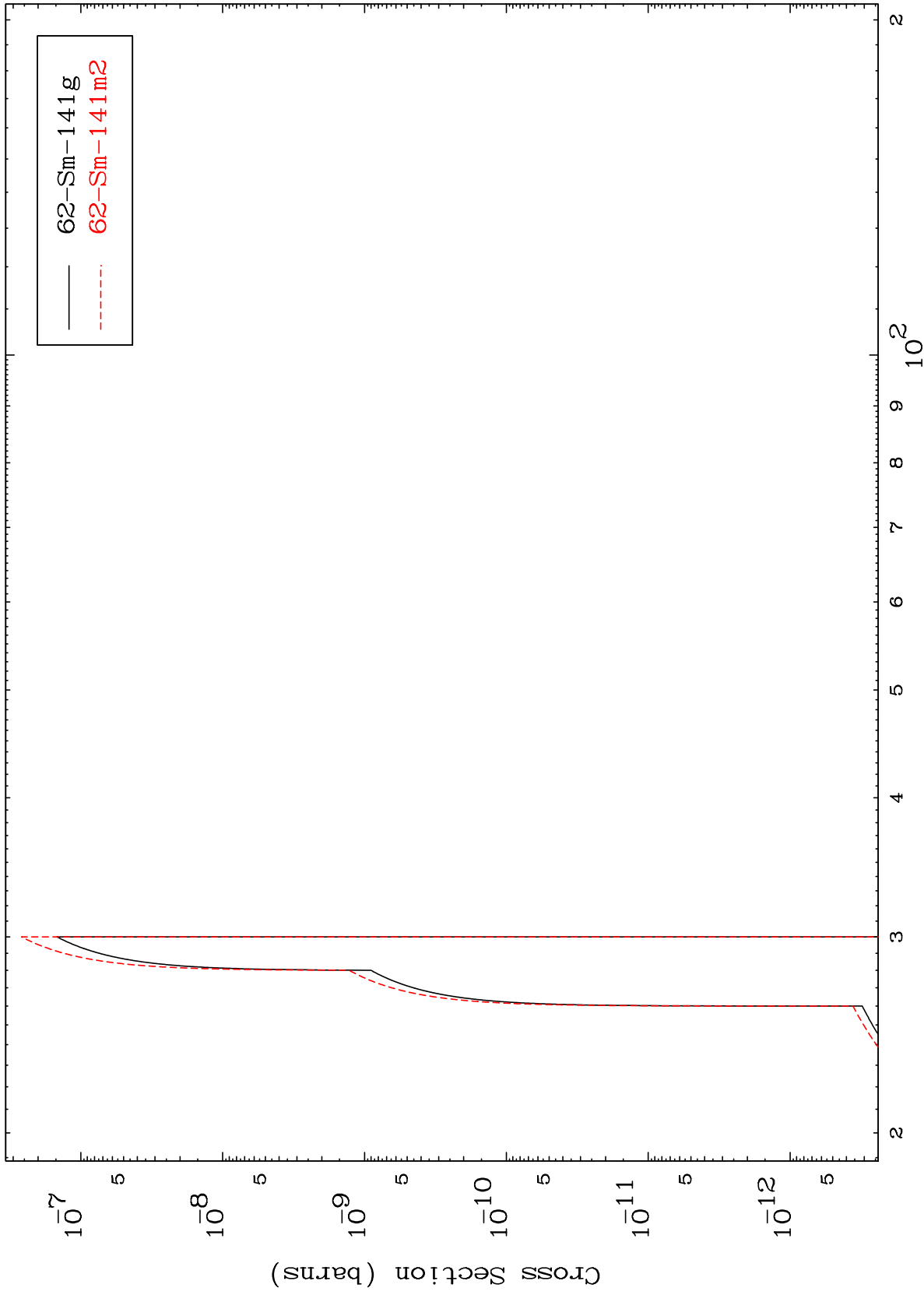
62-Sm-143

MAT 6223

$(\alpha, 2n) \alpha$

$^{62}\text{Sm}-143$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

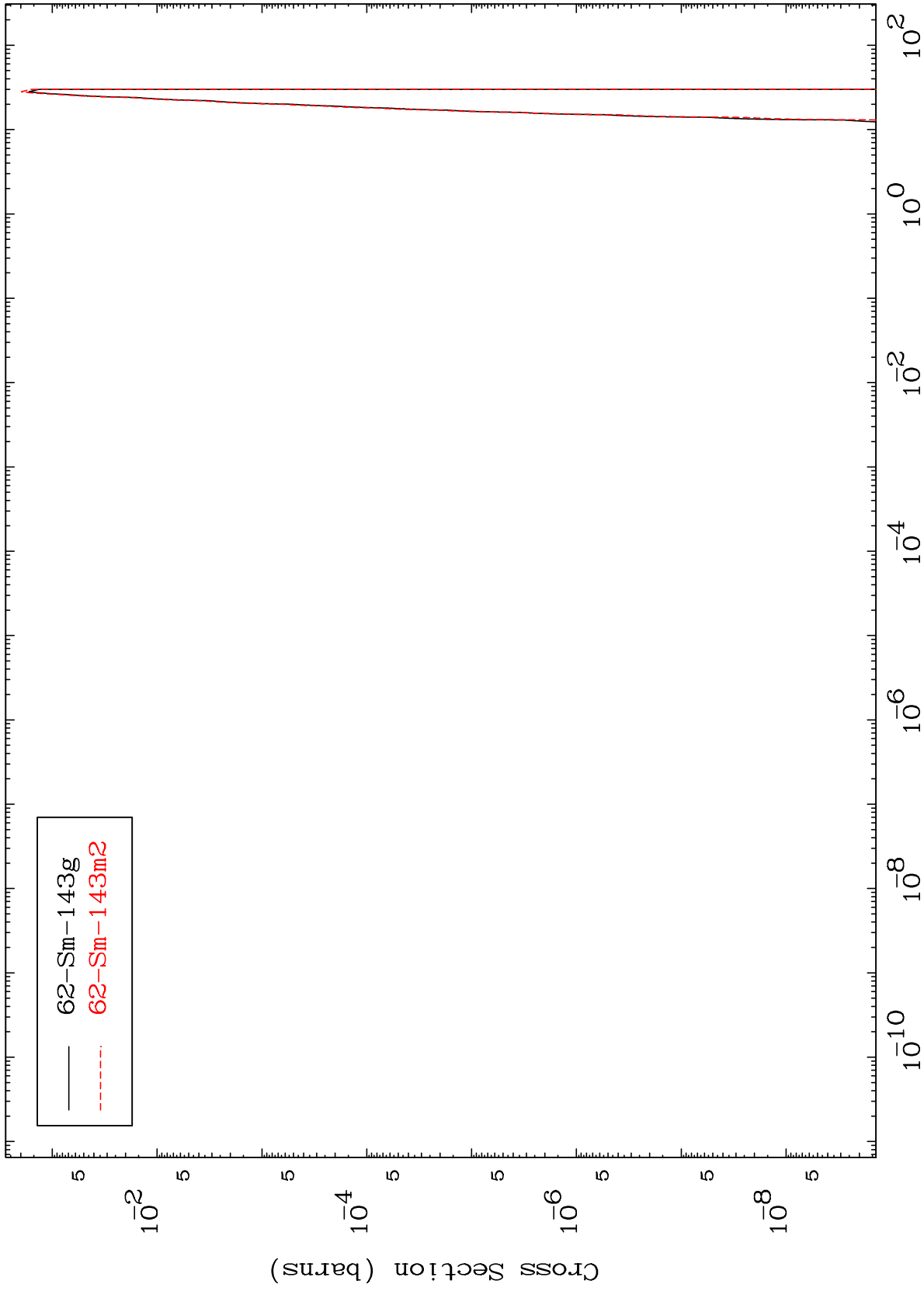
$^{62}\text{Sm}-143$

MAT 6223

( $\alpha, \alpha$ )

62-Sm-143

Radionuclide Production Cross Section



13

Incident Energy (MeV)

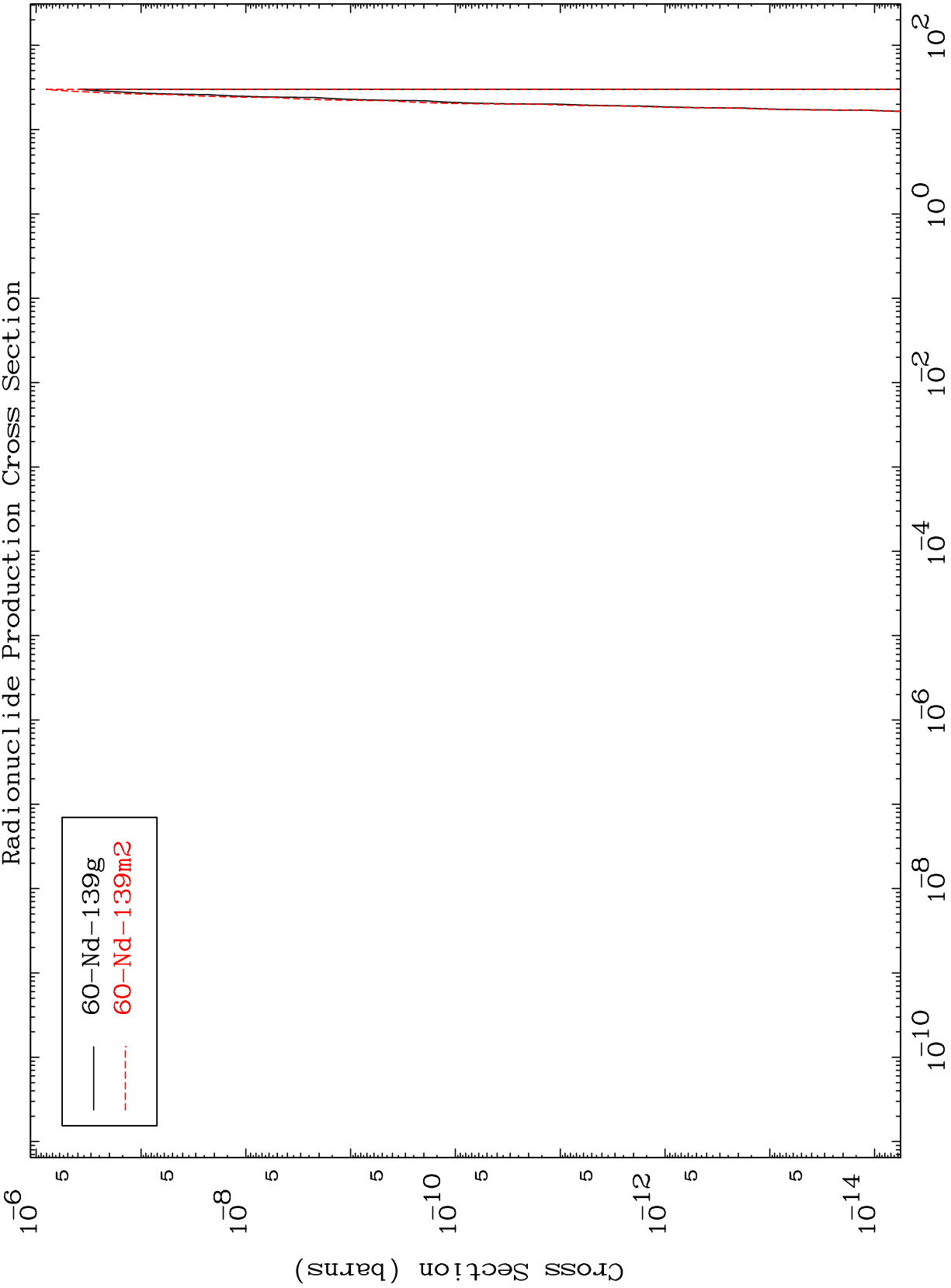
62-Sm-143

MAT 6223

( $\alpha, 2\alpha$ )

62-Sm-143

Radionuclide Production Cross Section



14

Incident Energy (MeV)

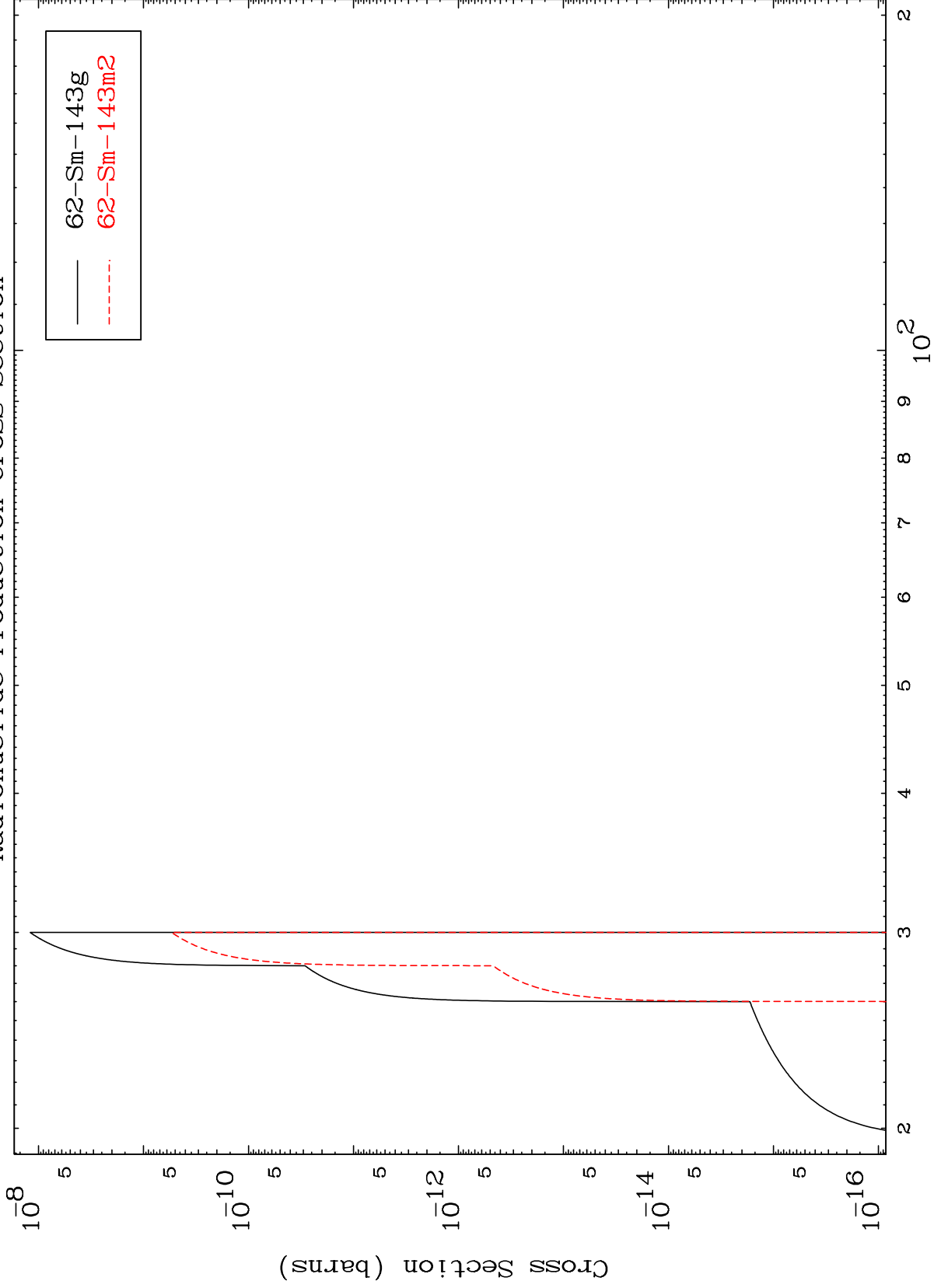
62-Sm-143

MAT 6223

( $\alpha, p$ ) t

62-Sm-143

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-143