

Program EVALPLOT
(Version 2021-1)

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

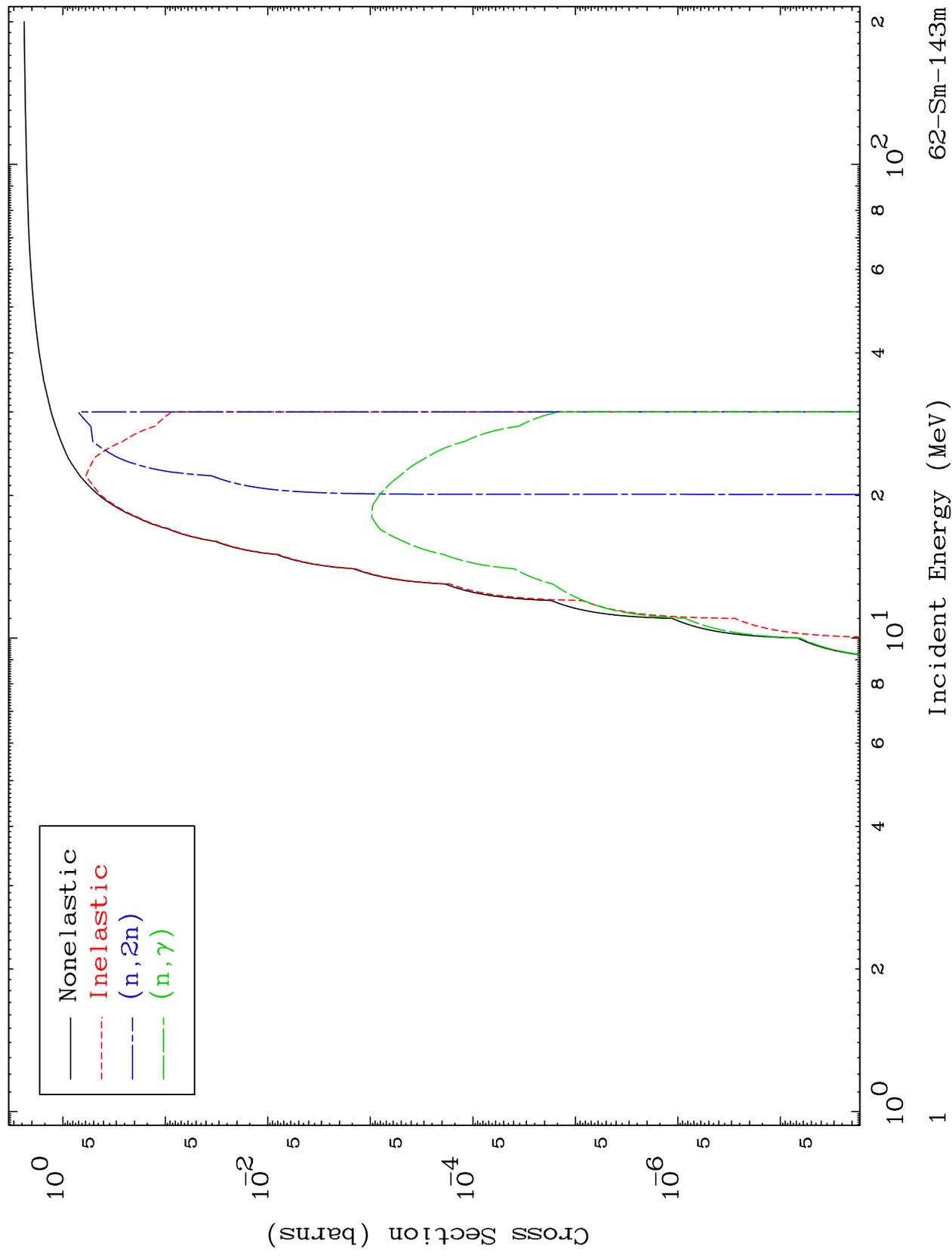
Press Mouse Button to Start

MAT 6223

0 Kelvin

α Major

62-Sm-143m



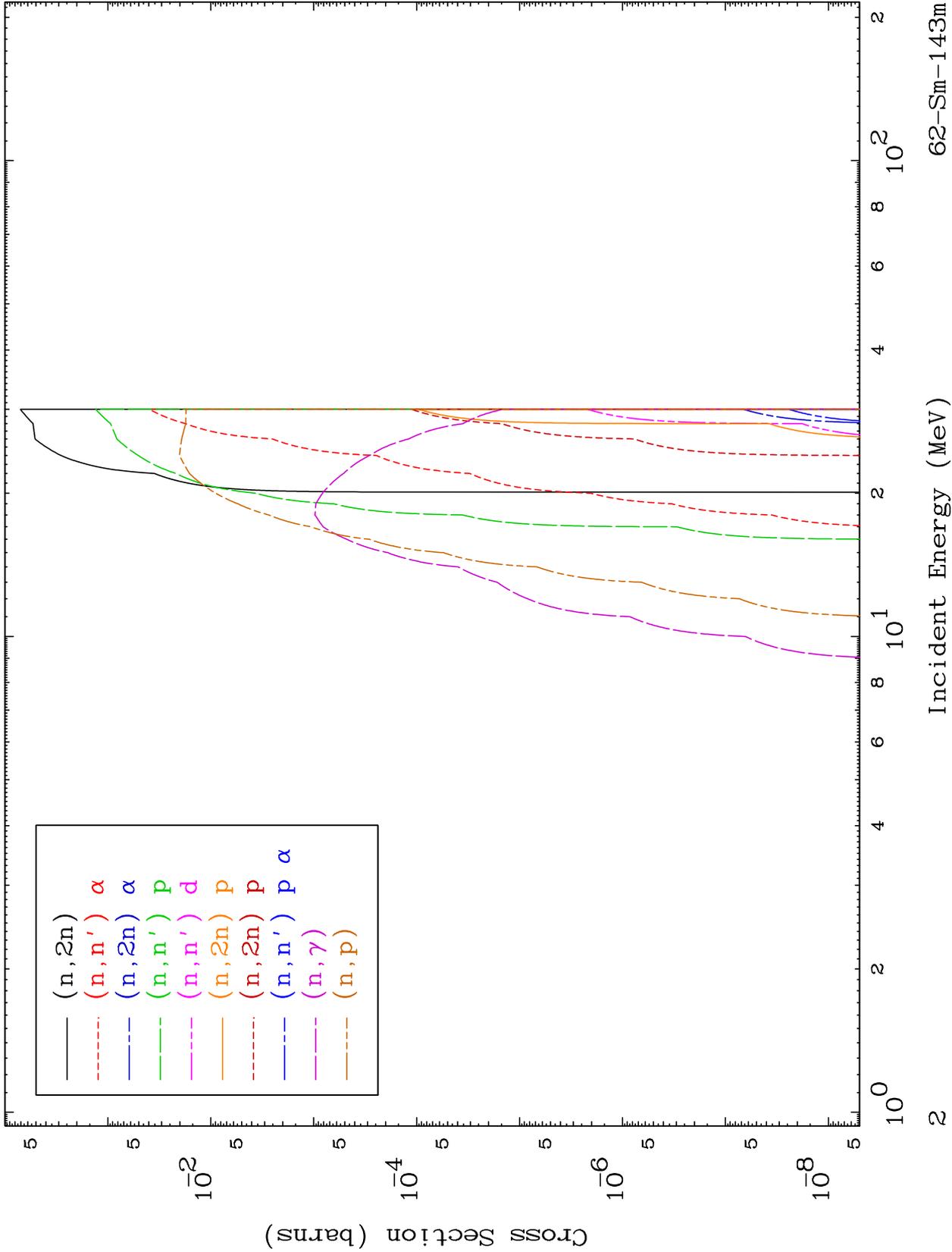
Incident Energy (MeV)

62-Sm-143m

MAT 6223

α Neutron Absorption
0 Kelvin Cross Sections

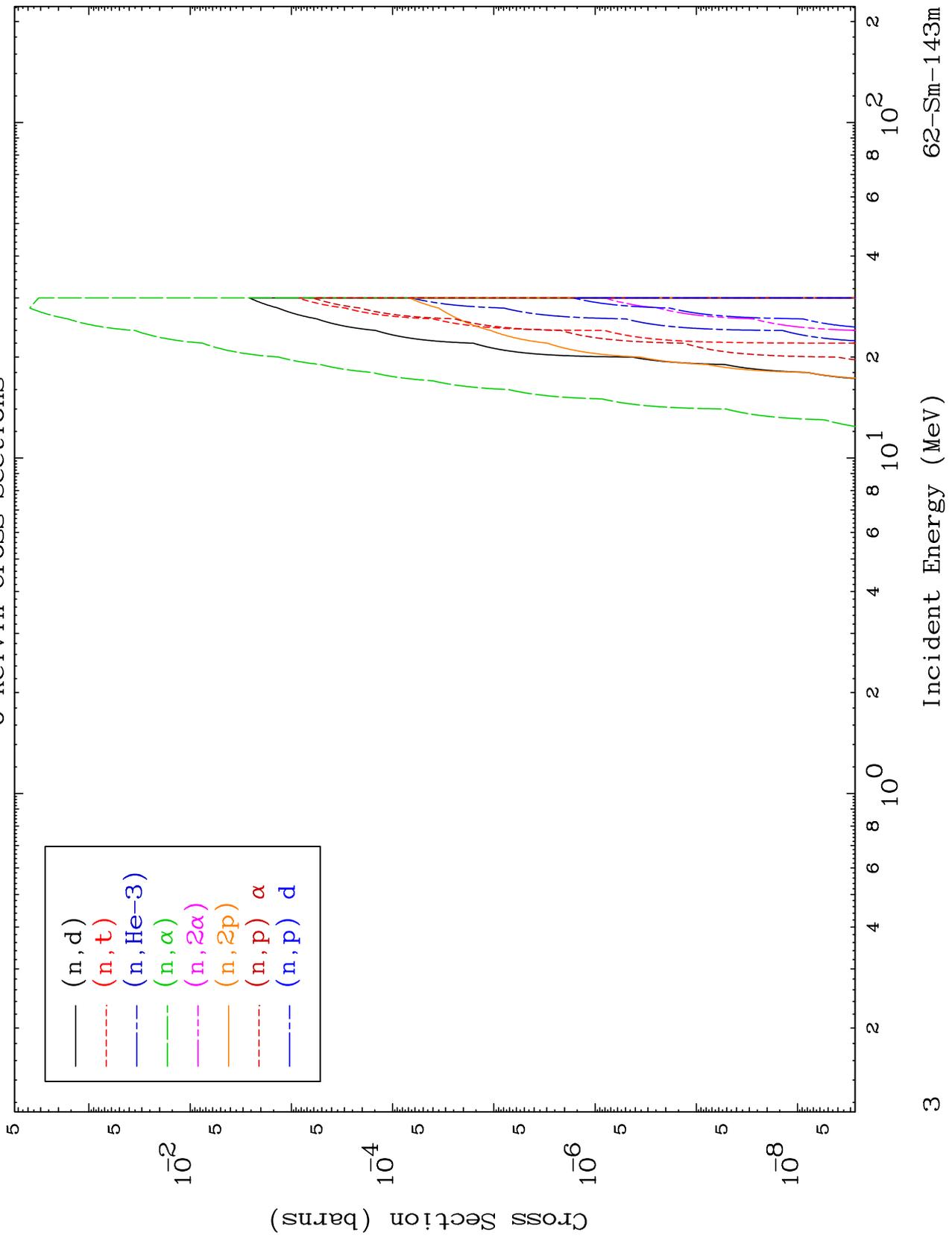
62-Sm-143m



MAT 6223

α Neutron Absorption
0 Kelvin Cross Sections

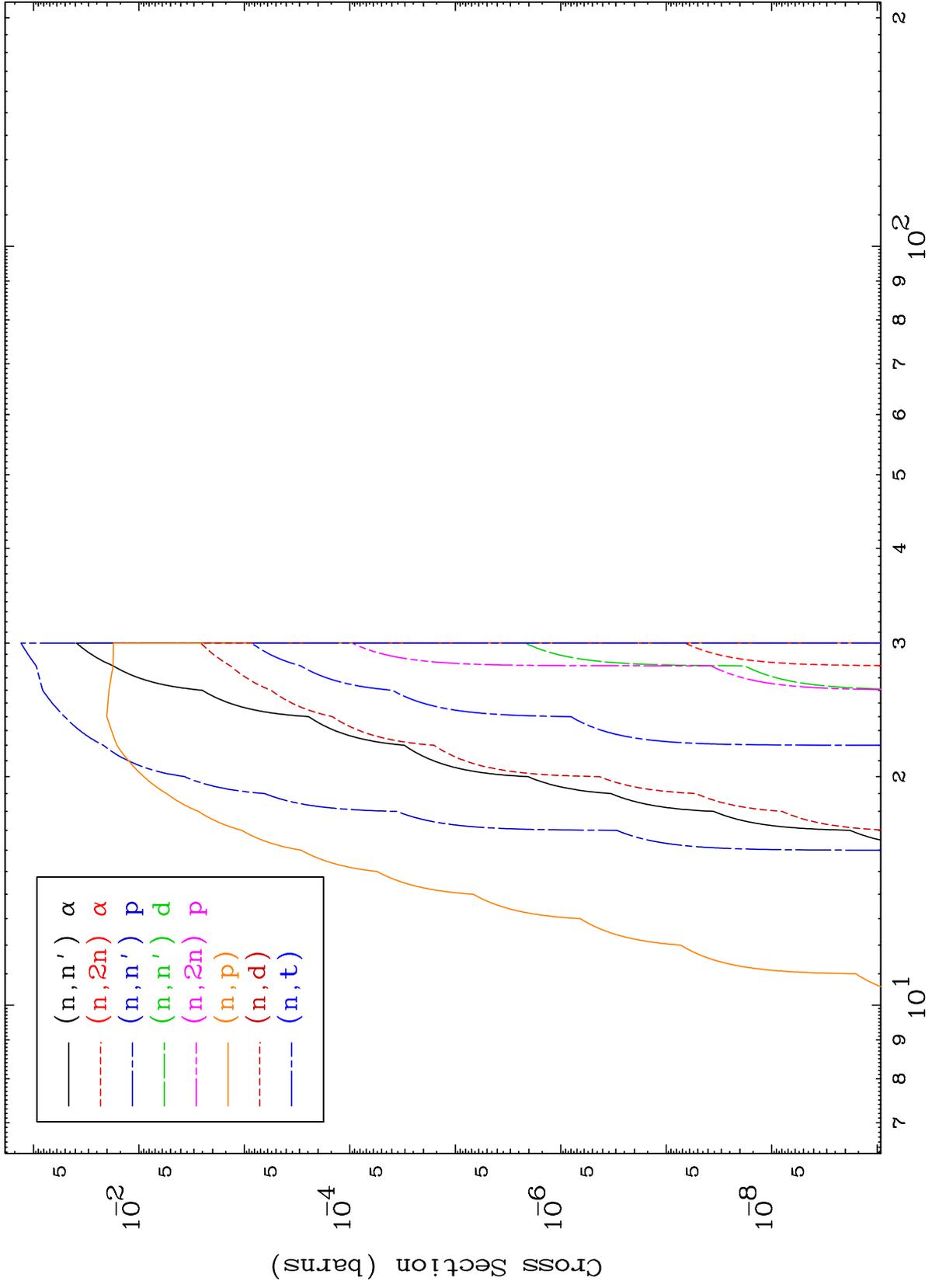
62-Sm-143m

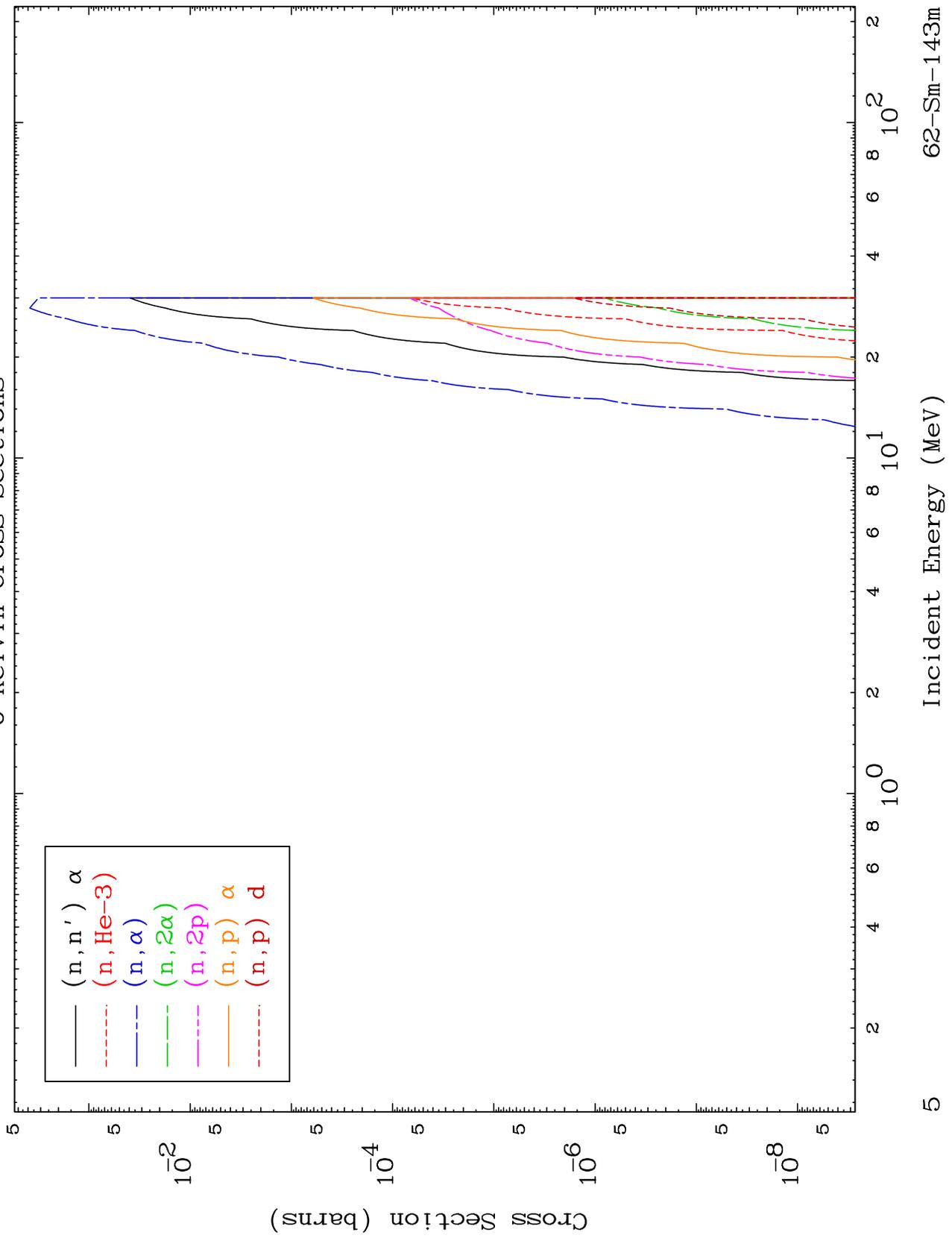


MAT 6223

α Charged Particle
0 Kelvin Cross Sections

62-Sm-143m

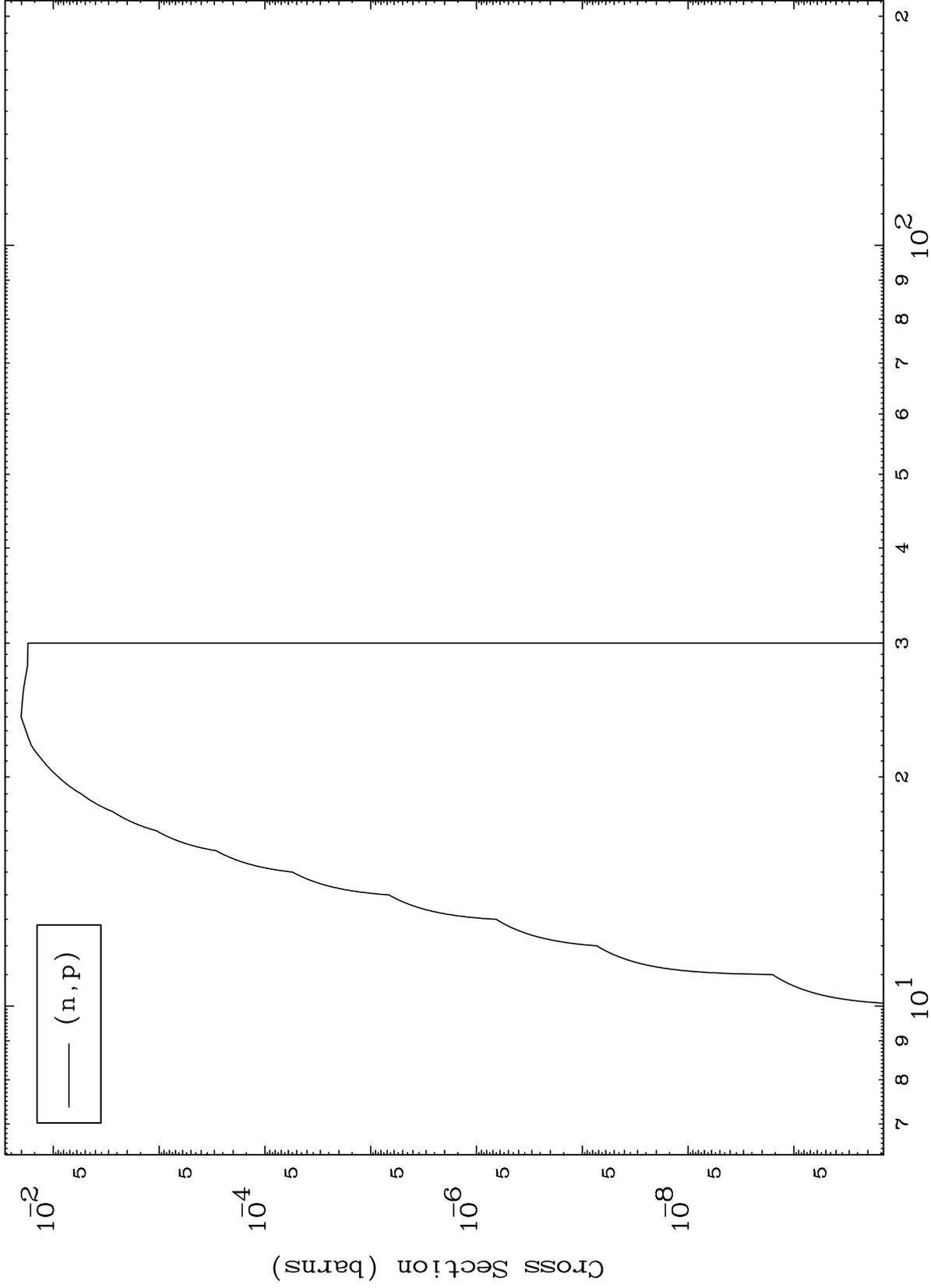




MAT 6223

(α, p) Levels
0 Kelvin Cross Sections

62-Sm-143m



6

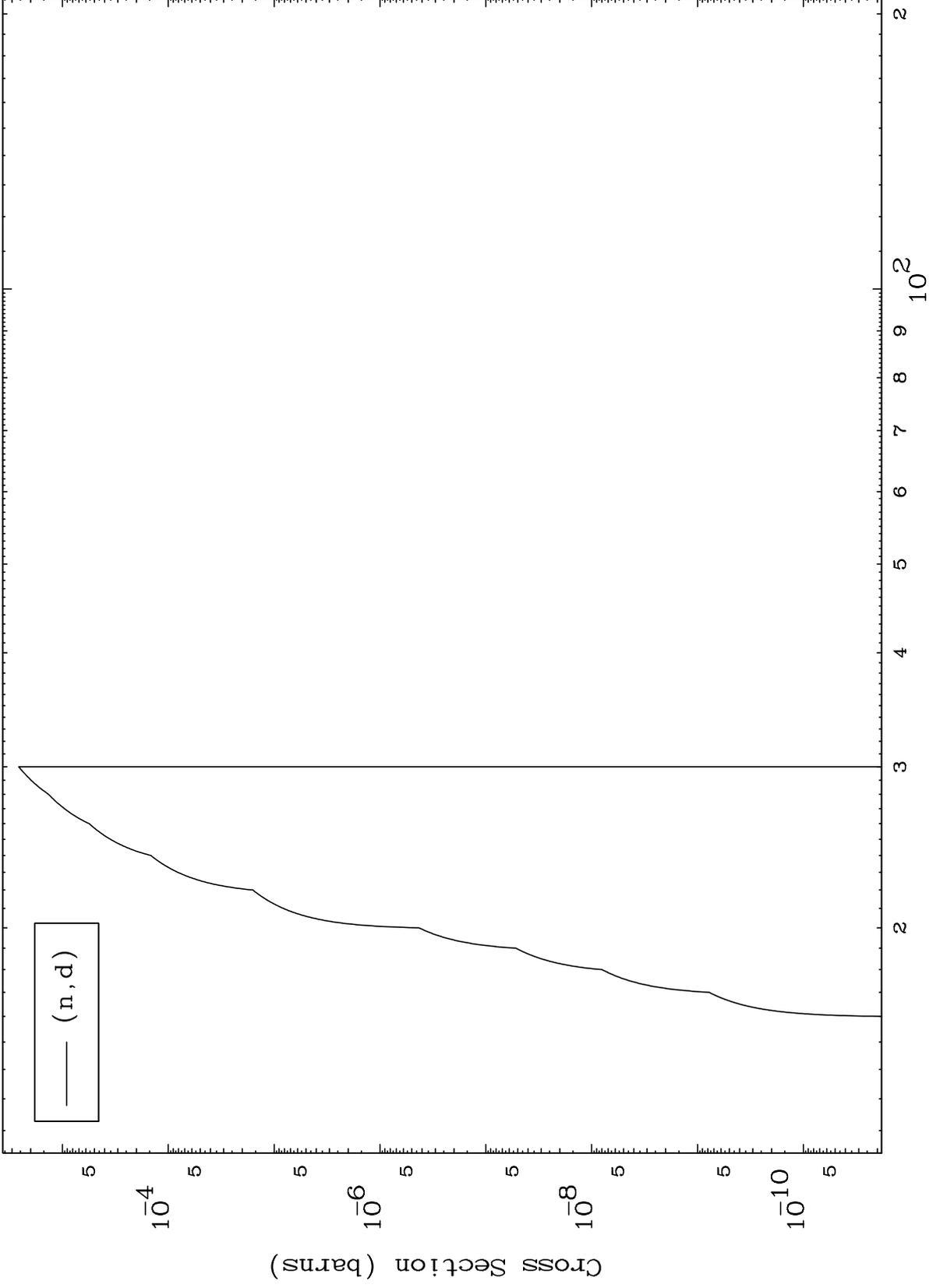
Incident Energy (MeV)

62-Sm-143m

MAT 6223

(α, d) Levels
0 Kelvin Cross Sections

62-Sm-143m



7

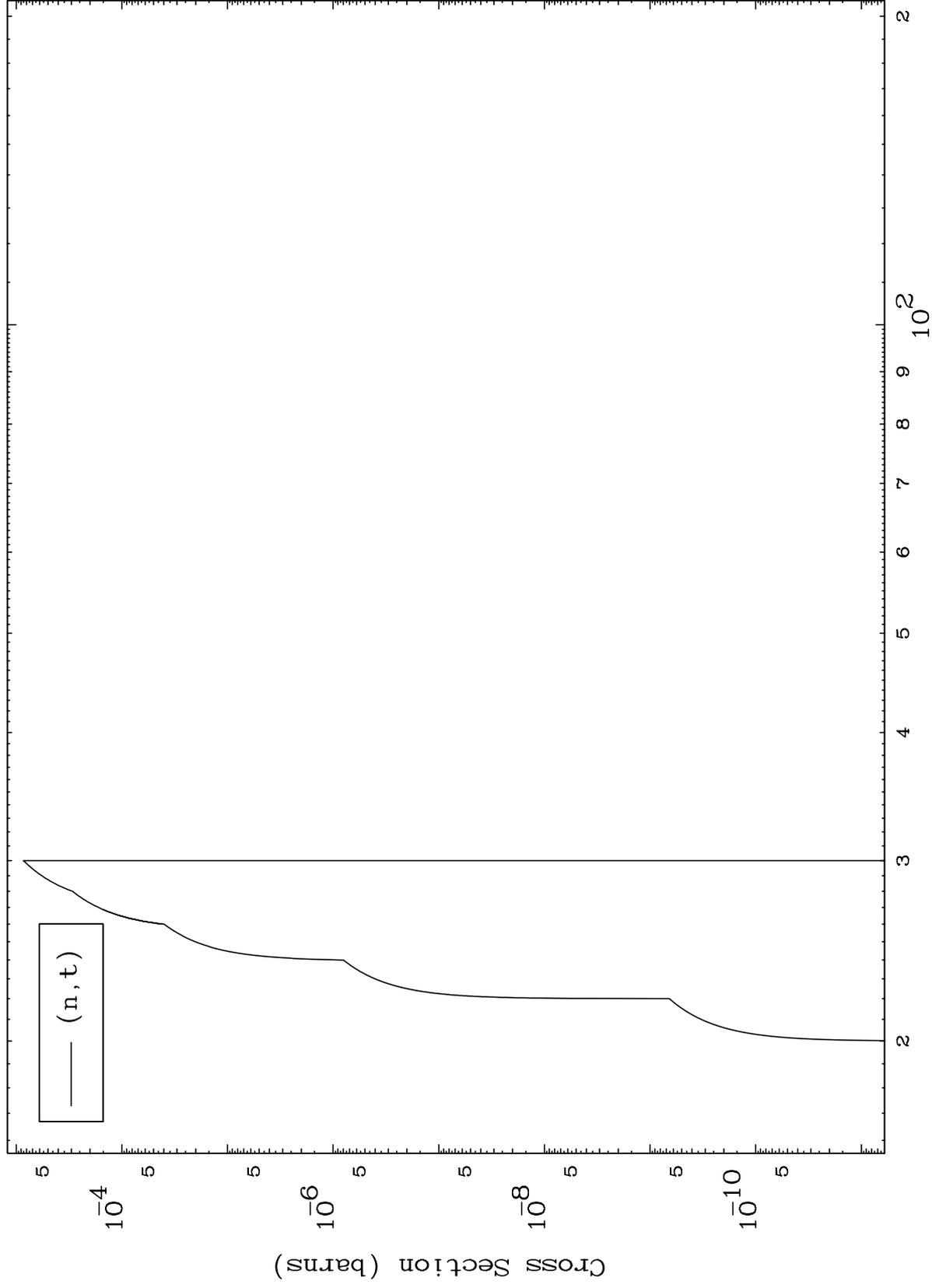
Incident Energy (MeV)

62-Sm-143m

MAT 6223

(α, t) Levels
0 Kelvin Cross Sections

62-Sm-143m



8

Incident Energy (MeV)

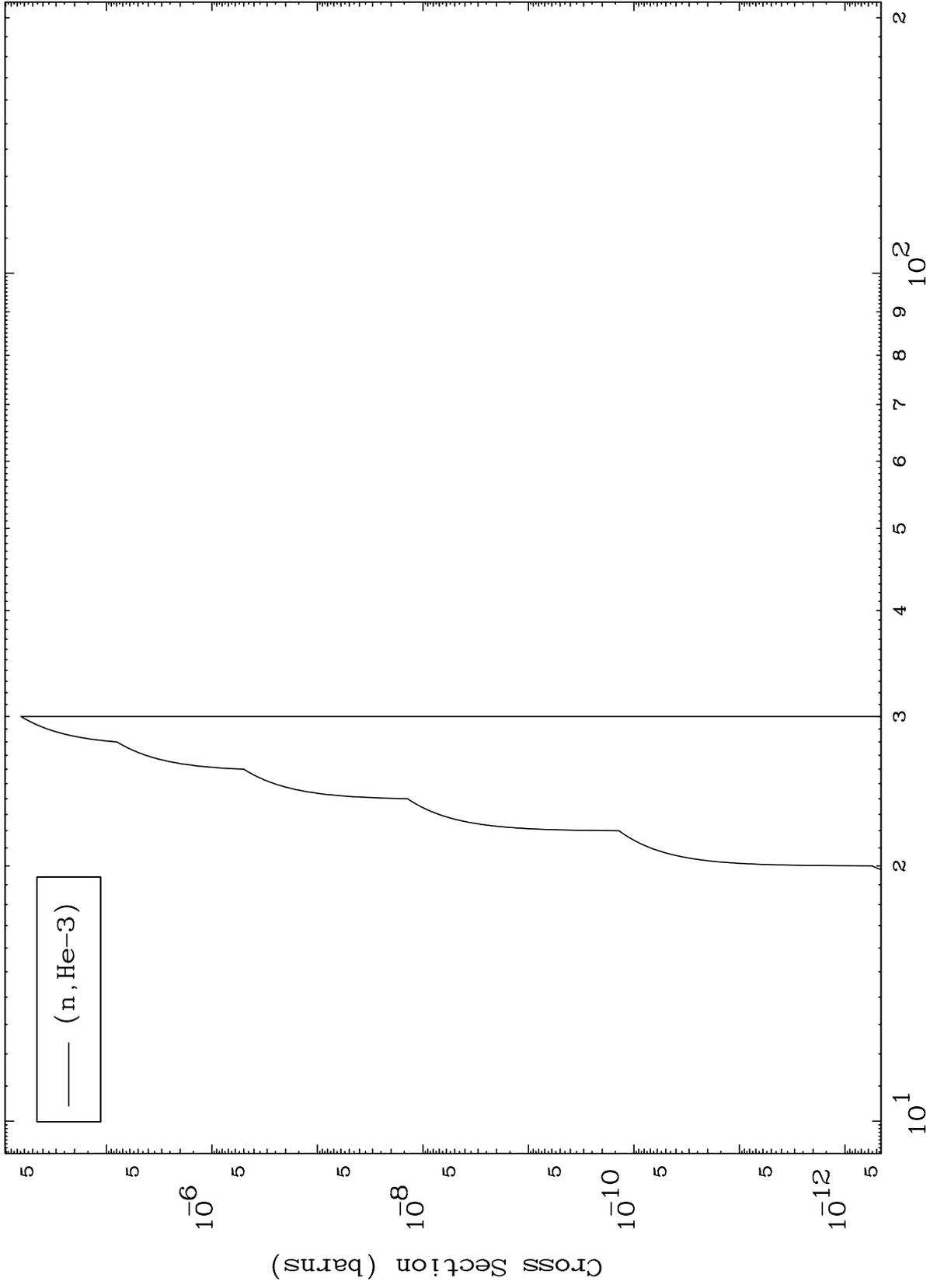
62-Sm-143m

MAT 6223

($\alpha, \text{He3}$) Levels

62-Sm-143m

0 Kelvin Cross Sections



Incident Energy (MeV)

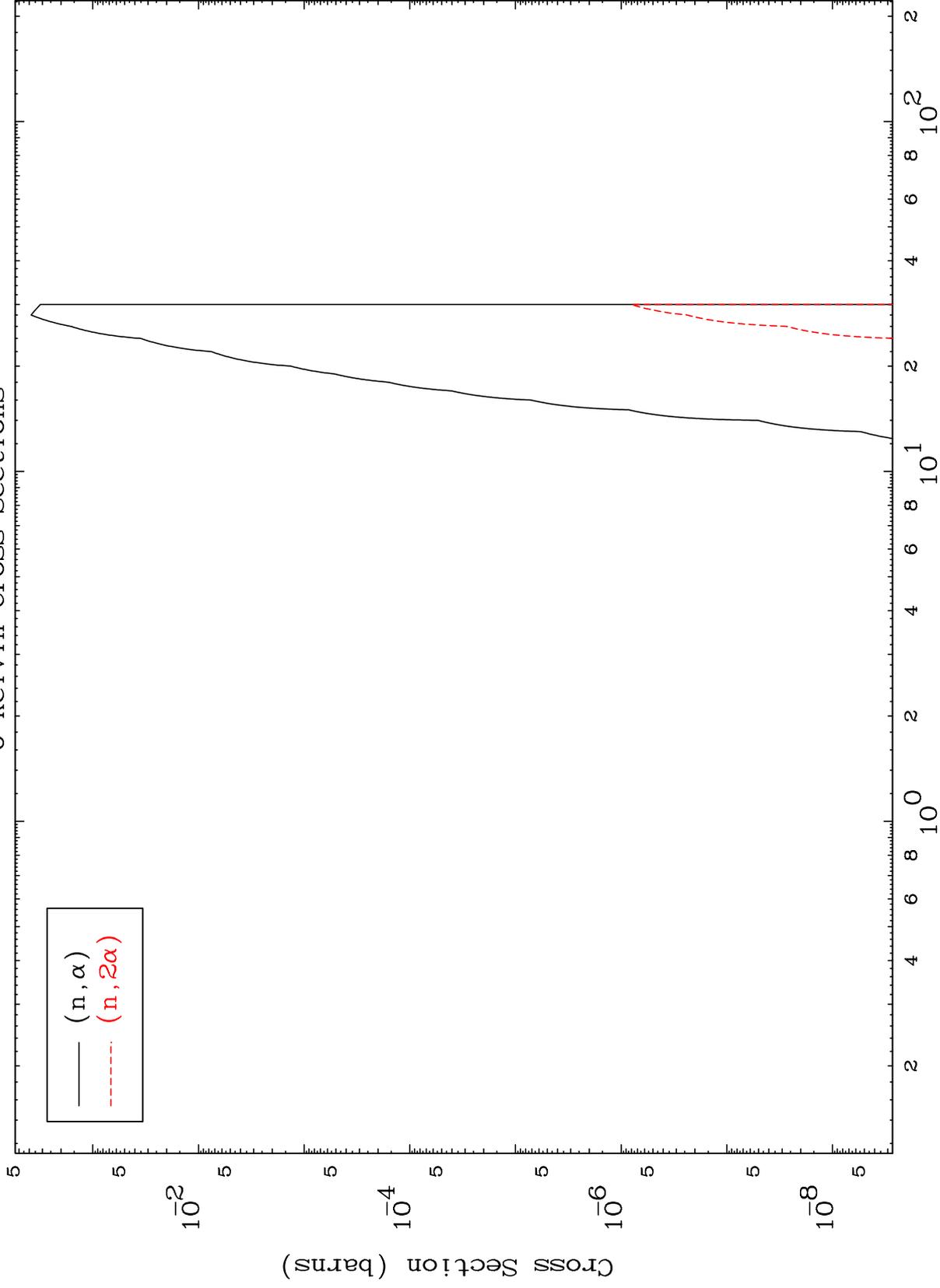
62-Sm-143m

MAT 6223

(α, α) Levels

62-Sm-143m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

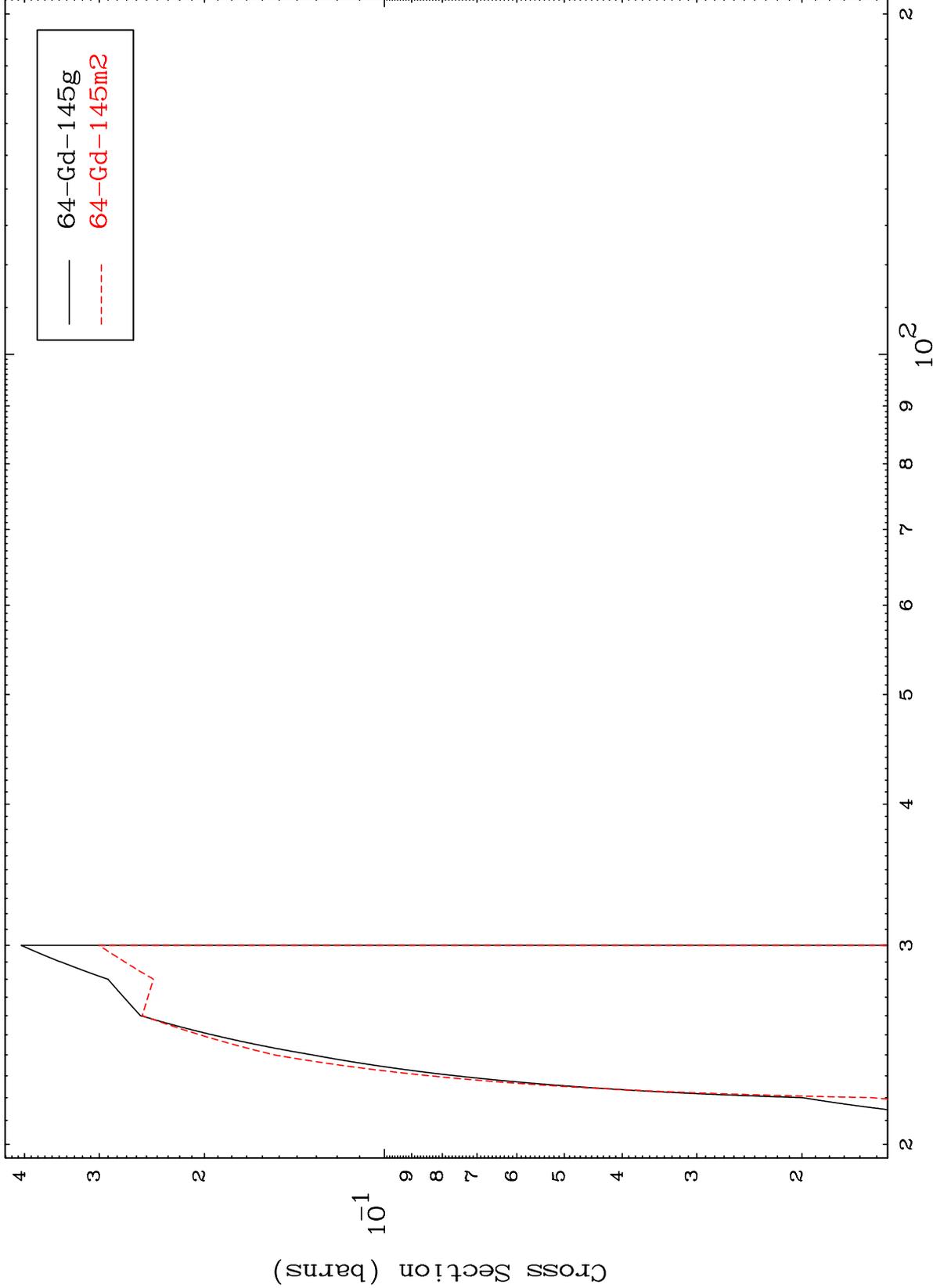
62-Sm-143m

MAT 6223

(n,2n)

62-Sm-143m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

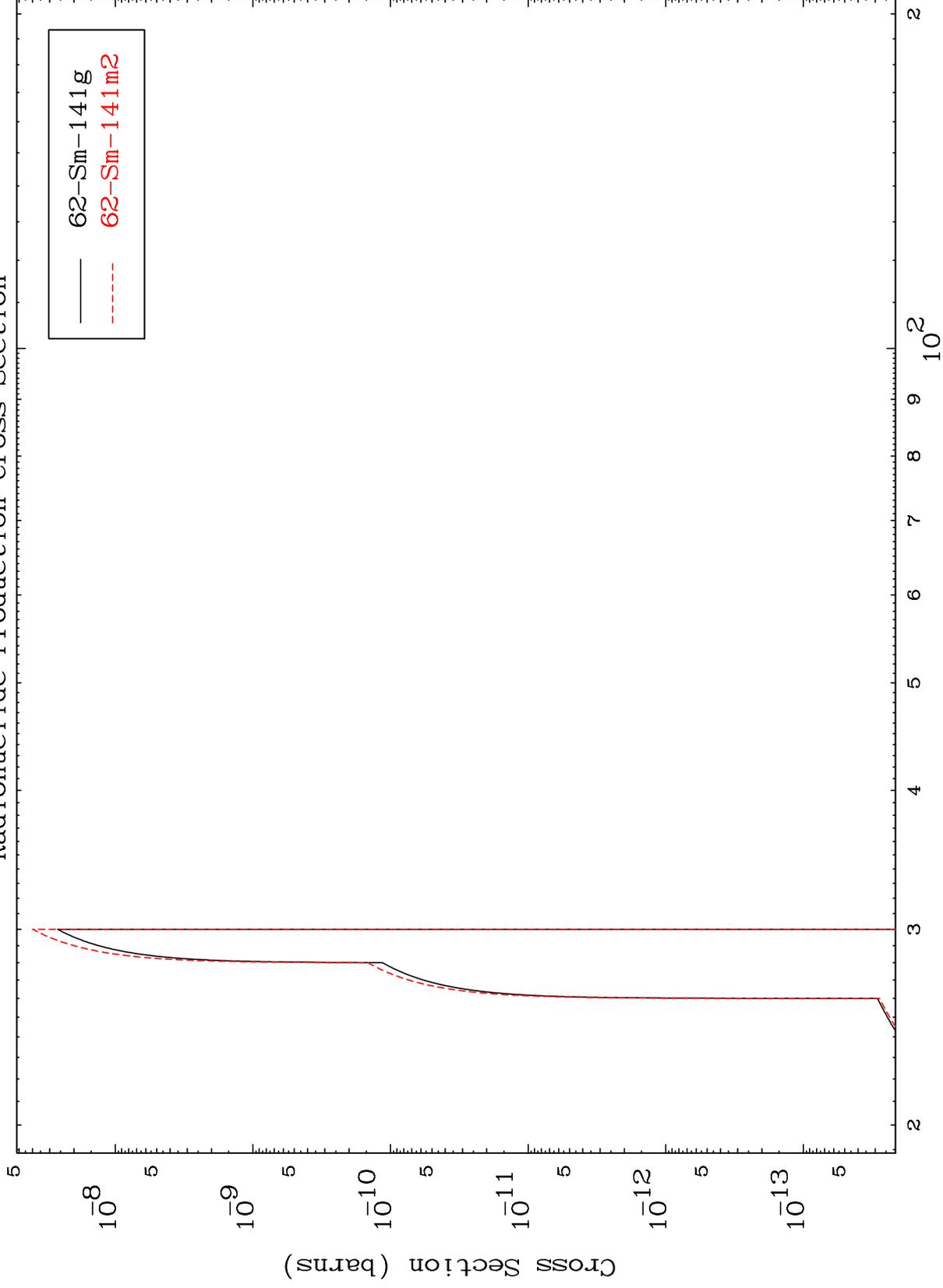
62-Sm-143m

MAT 6223

62-Sm-143m

(n,2n) α

Radionuclide Production Cross Section



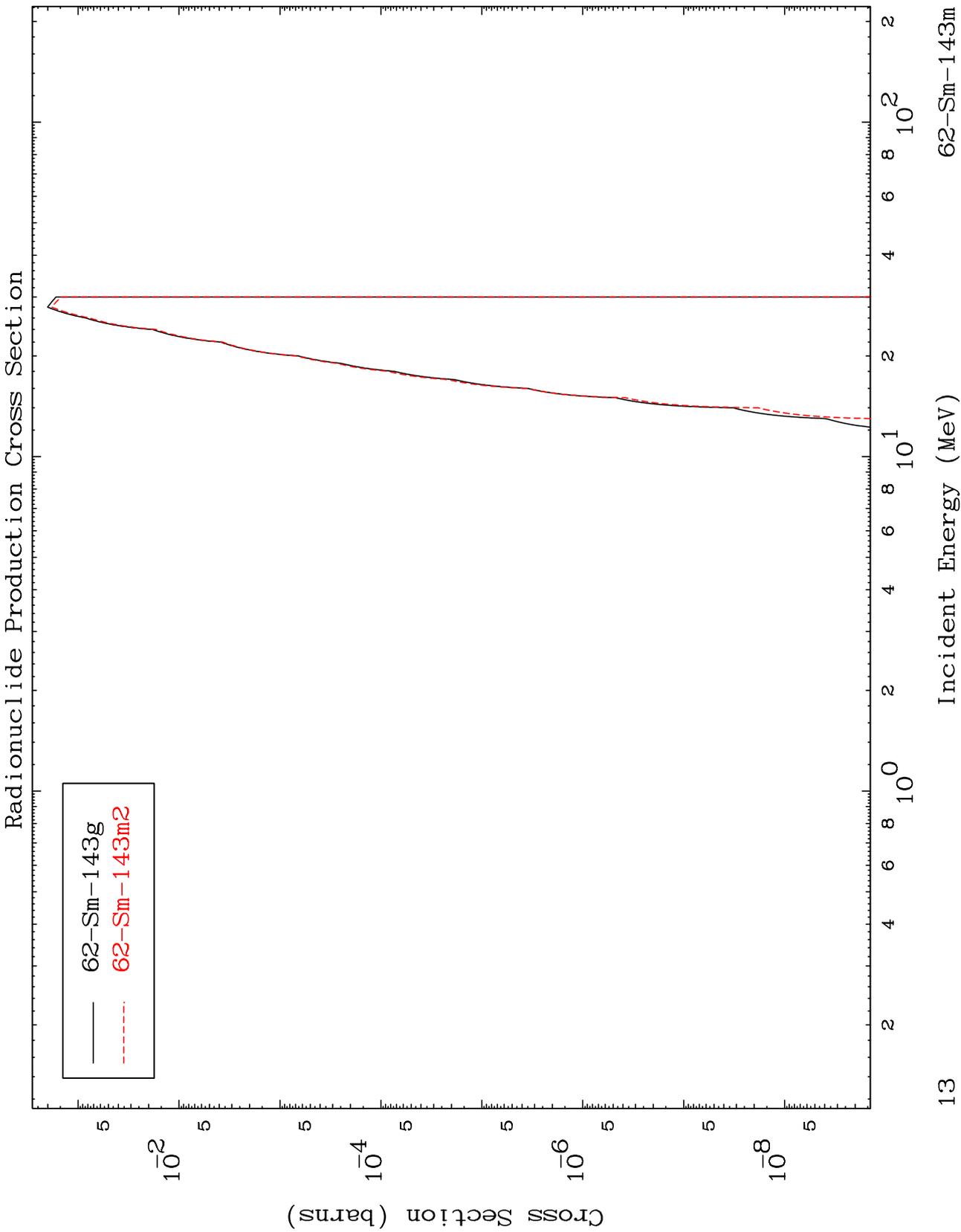
62-Sm-143m

Incident Energy (MeV)

12

MAT 6223

62-Sm-143m



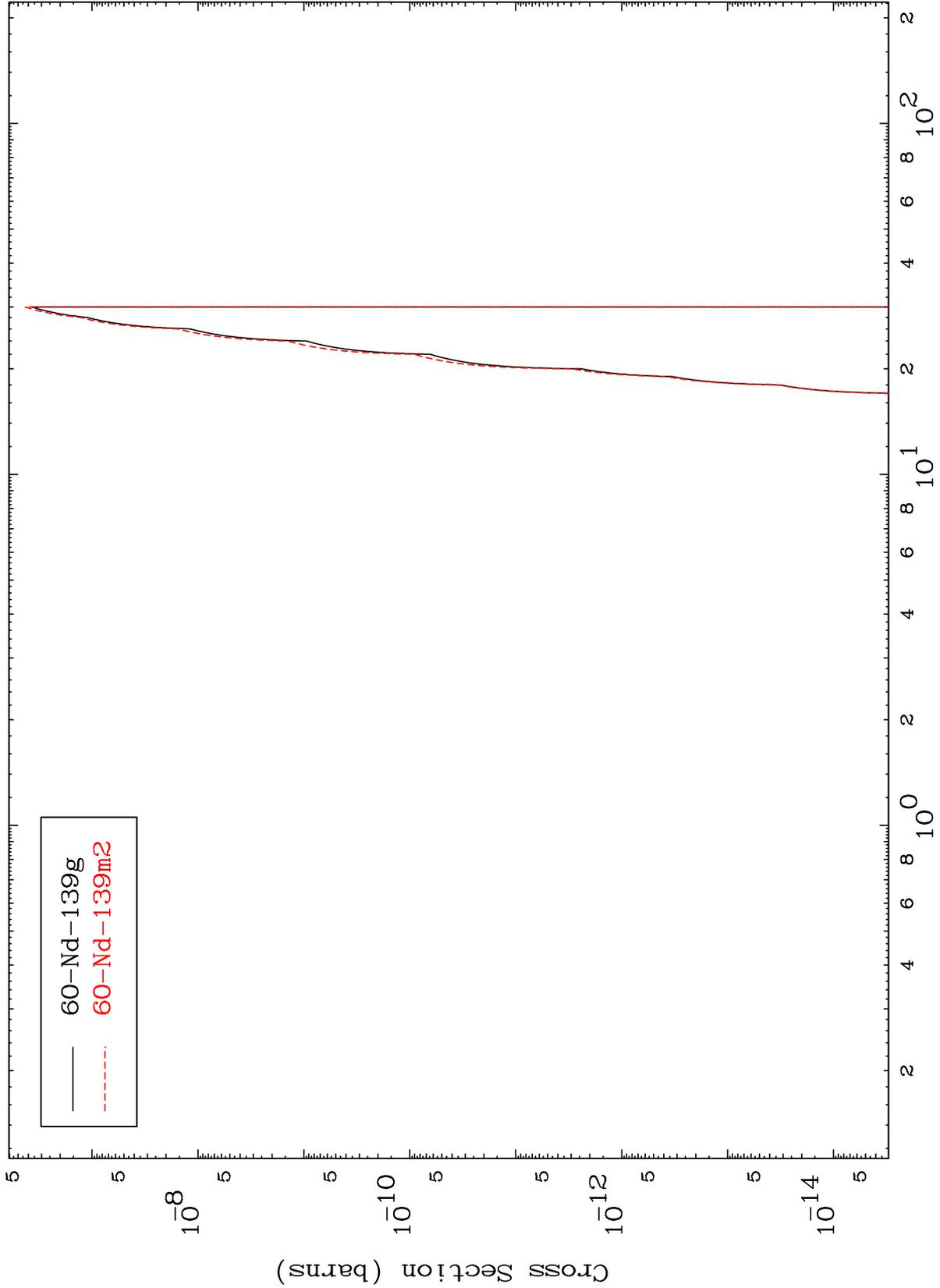
— 62-Sm-143g
- - - 62-Sm-143m2

MAT 6223

(n,2α)

62-Sm-143m

Radionuclide Production Cross Section

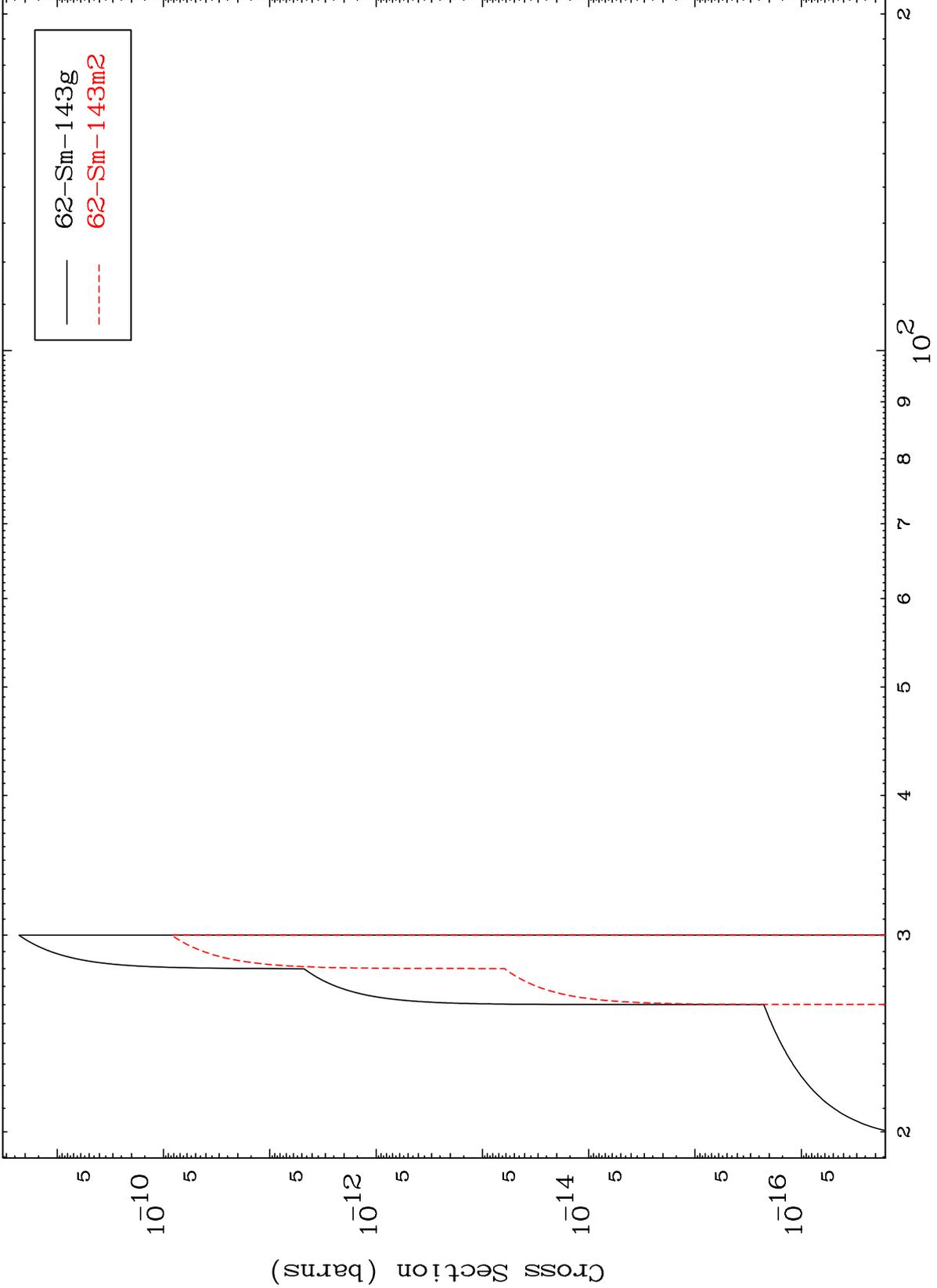


MAT 6223

(n,p) t

62-Sm-143m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-143m