

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

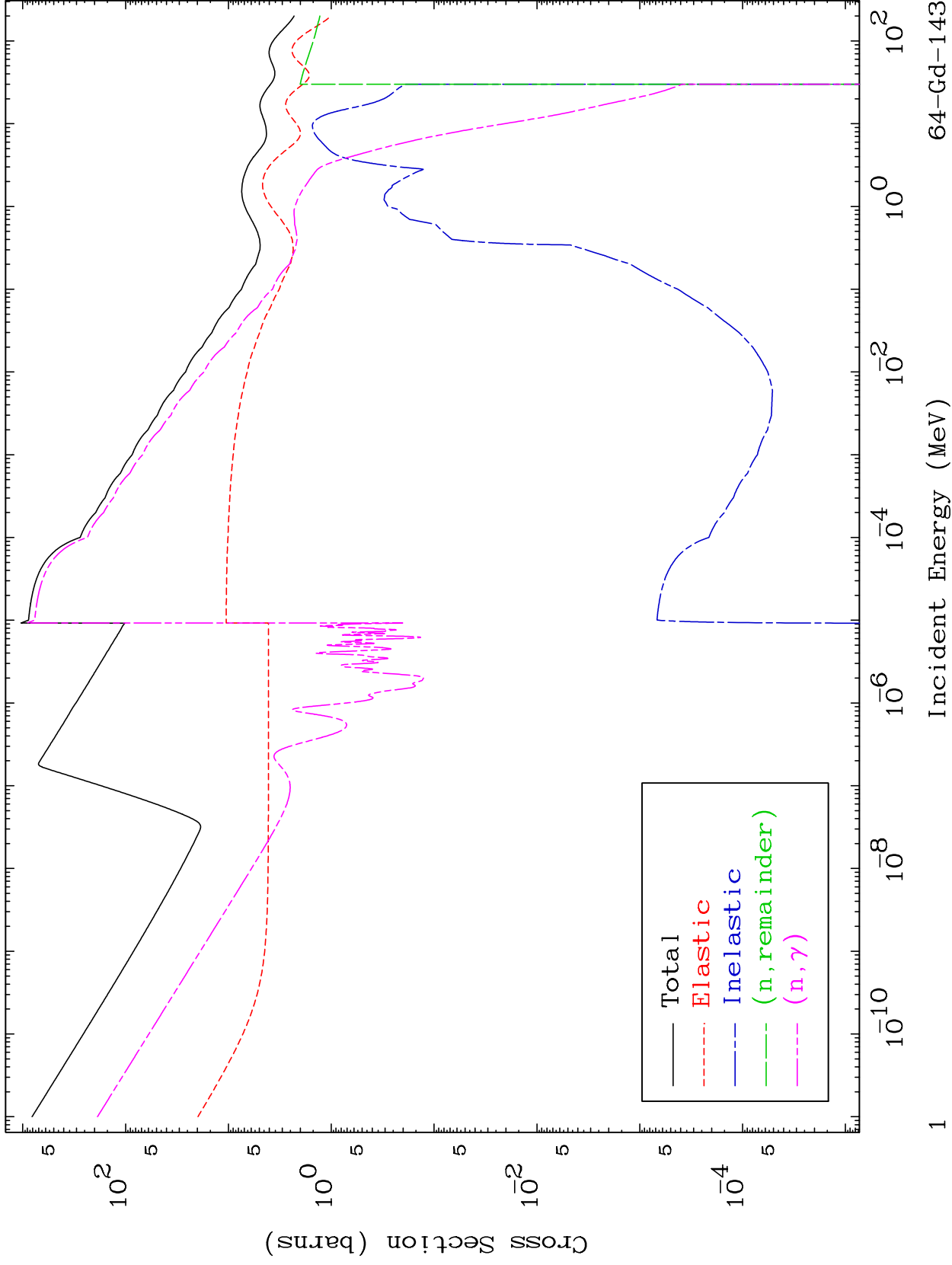
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6399

Major
293 Kelvin Cross Sections

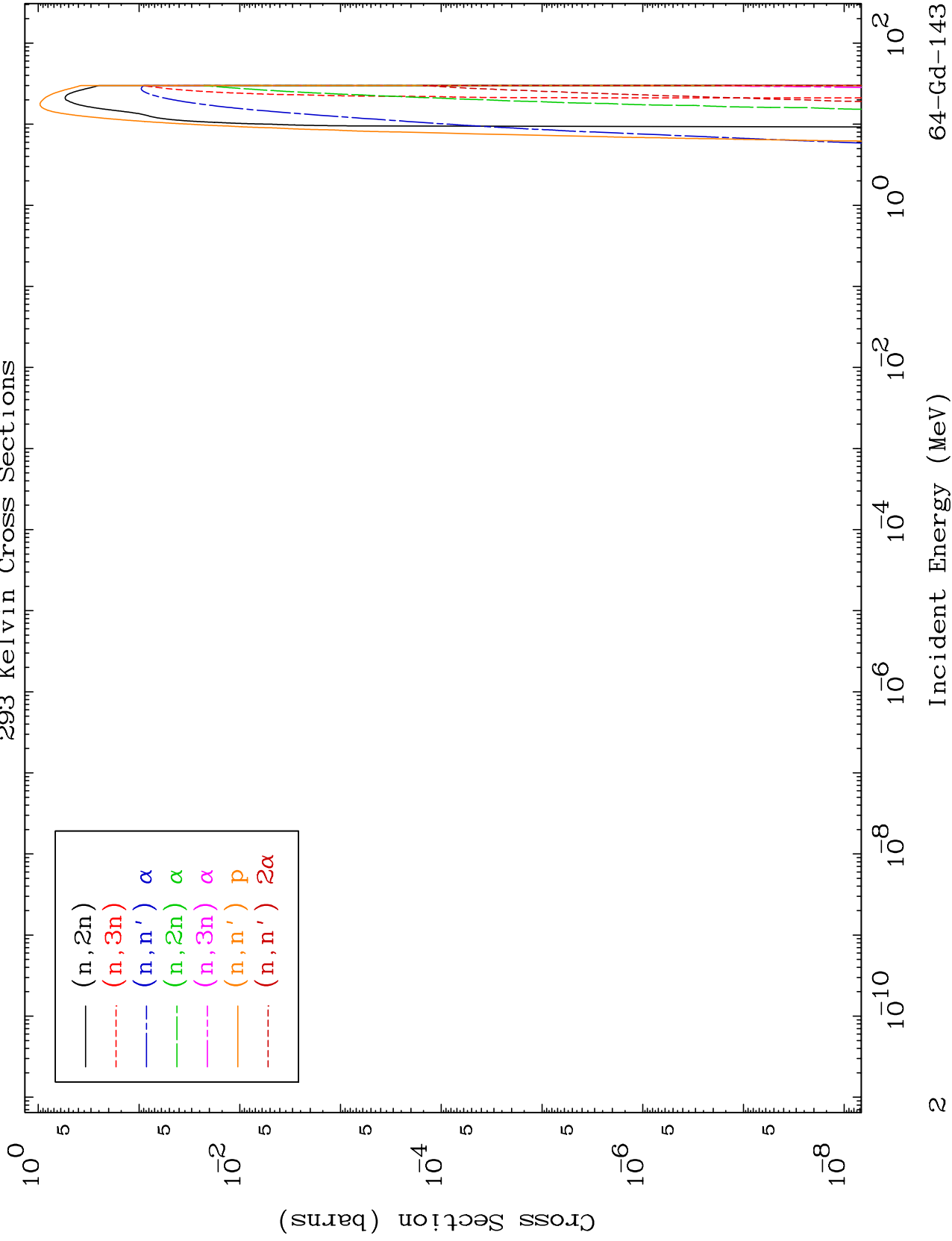
64-Gd-143

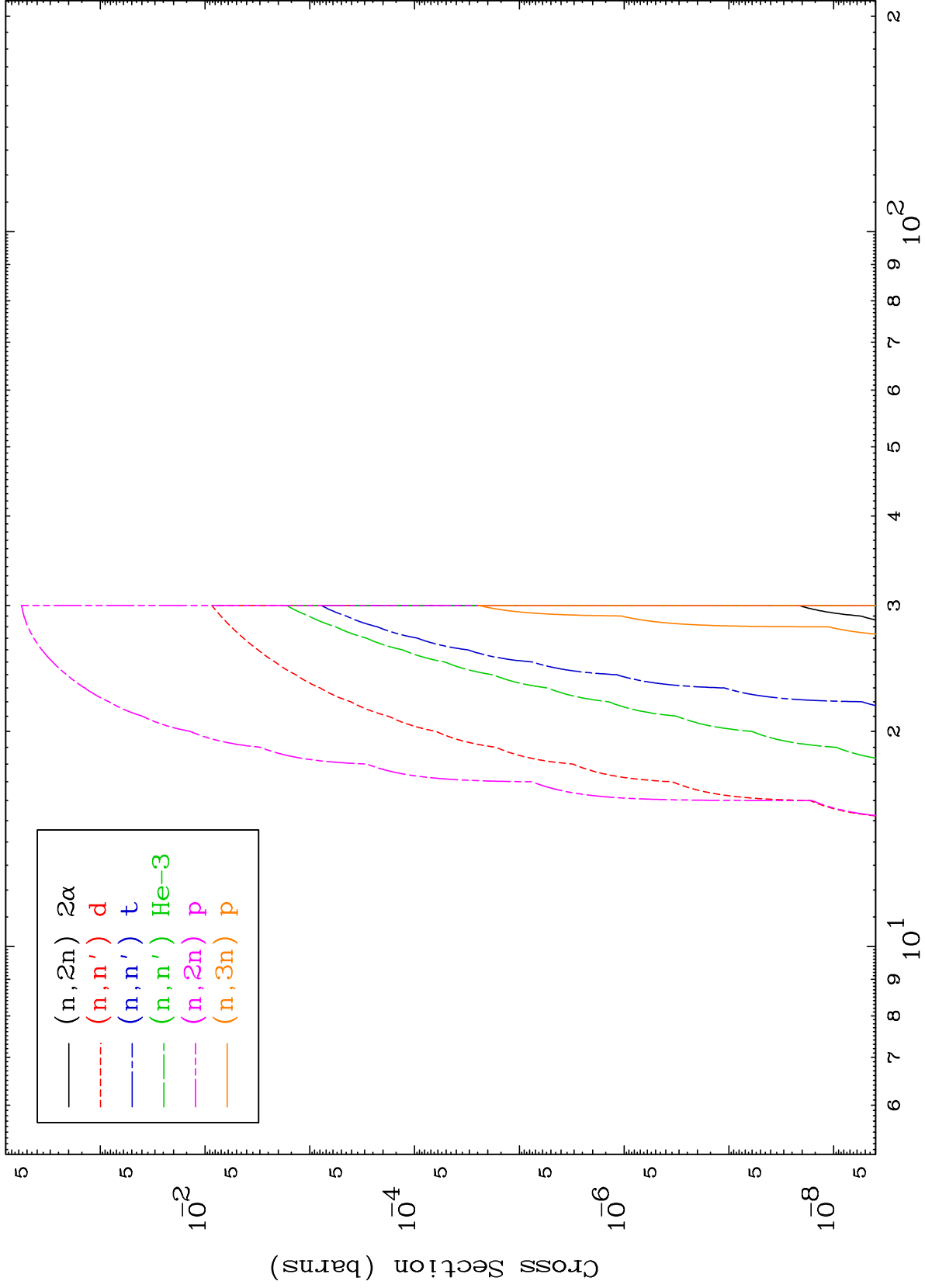


MAT 6399

Neutron Production
293 Kelvin Cross Sections

64-Gd-143

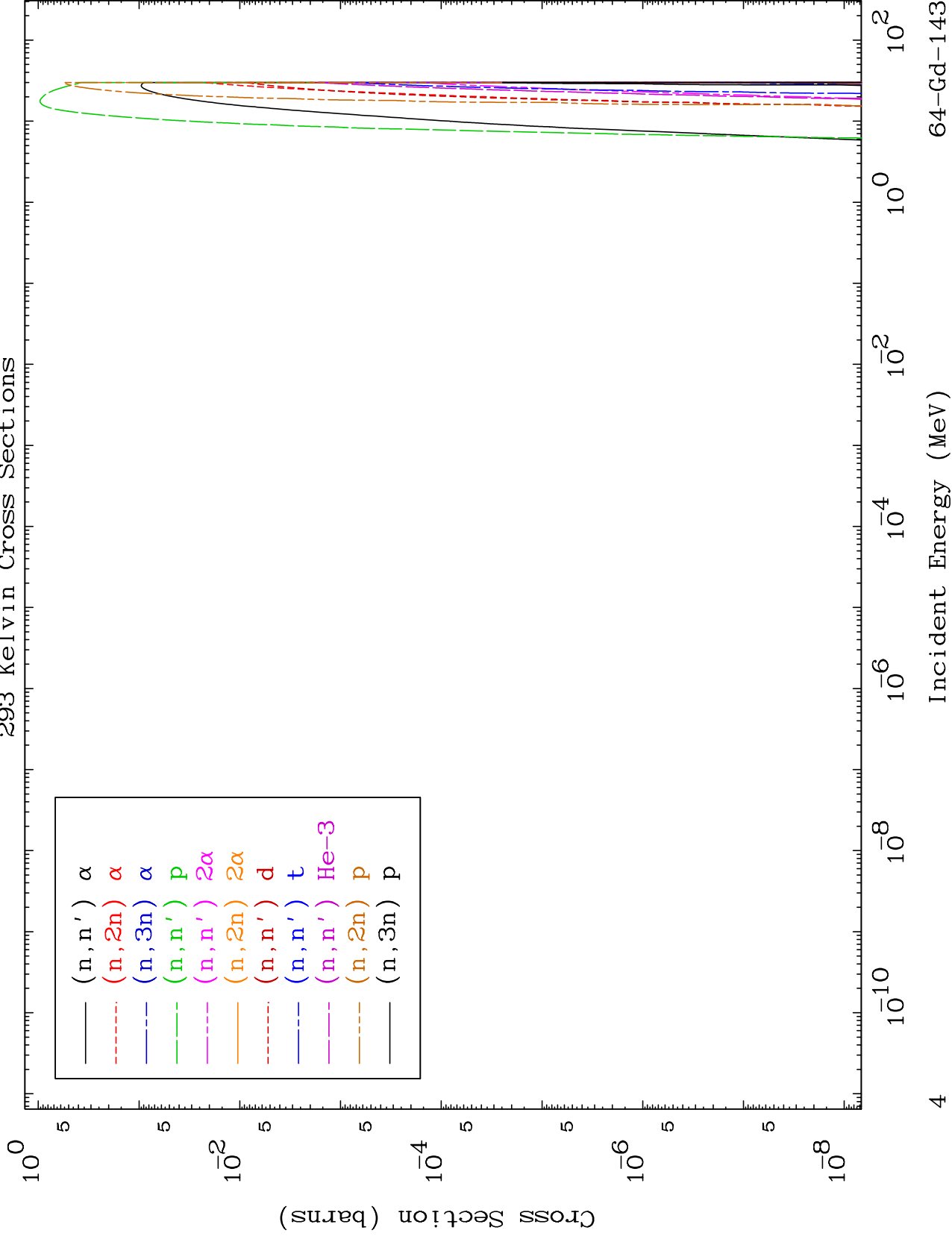




MAT 6399

Charged Particle
293 Kelvin Cross Sections

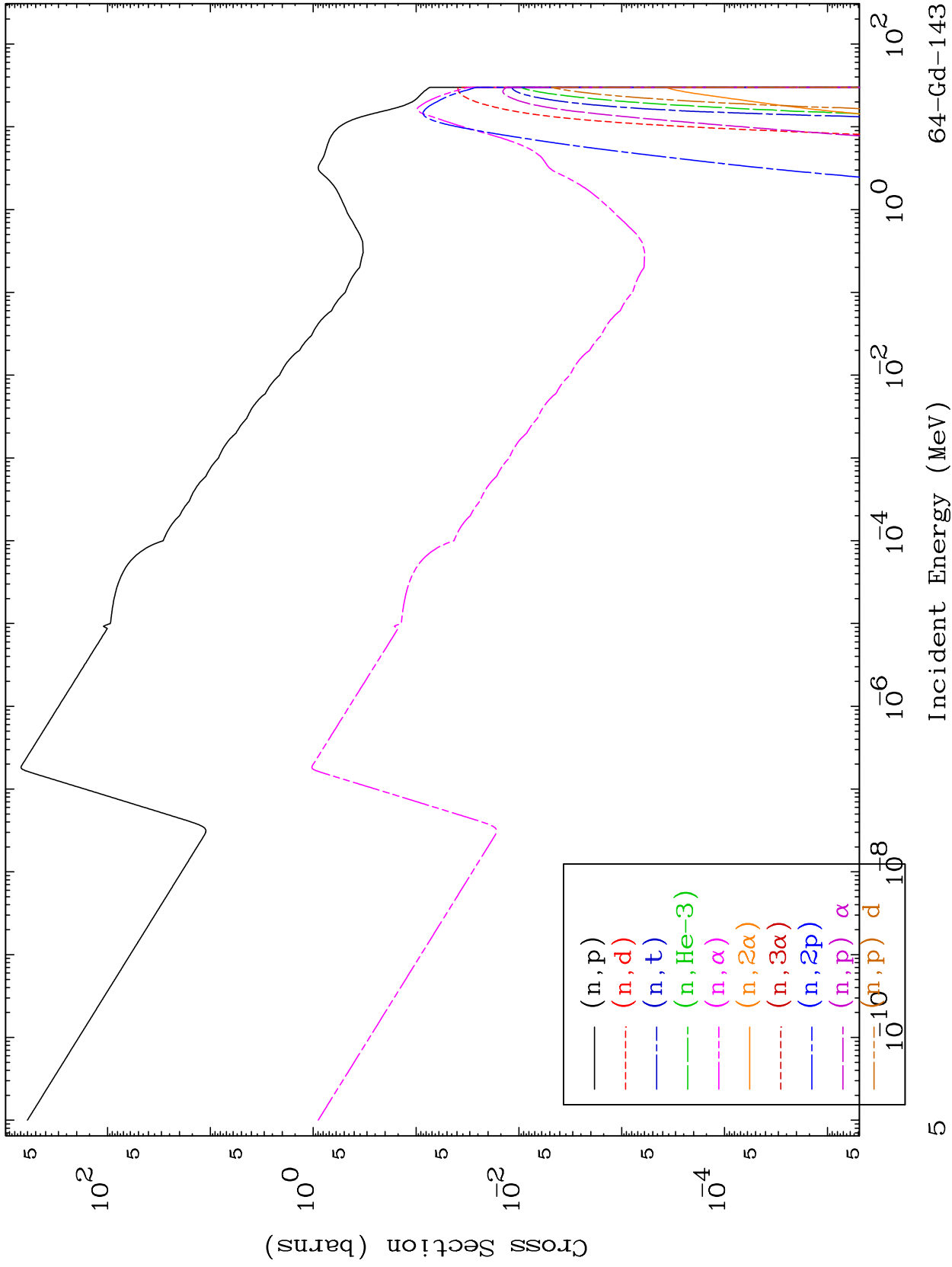
64-Gd-143



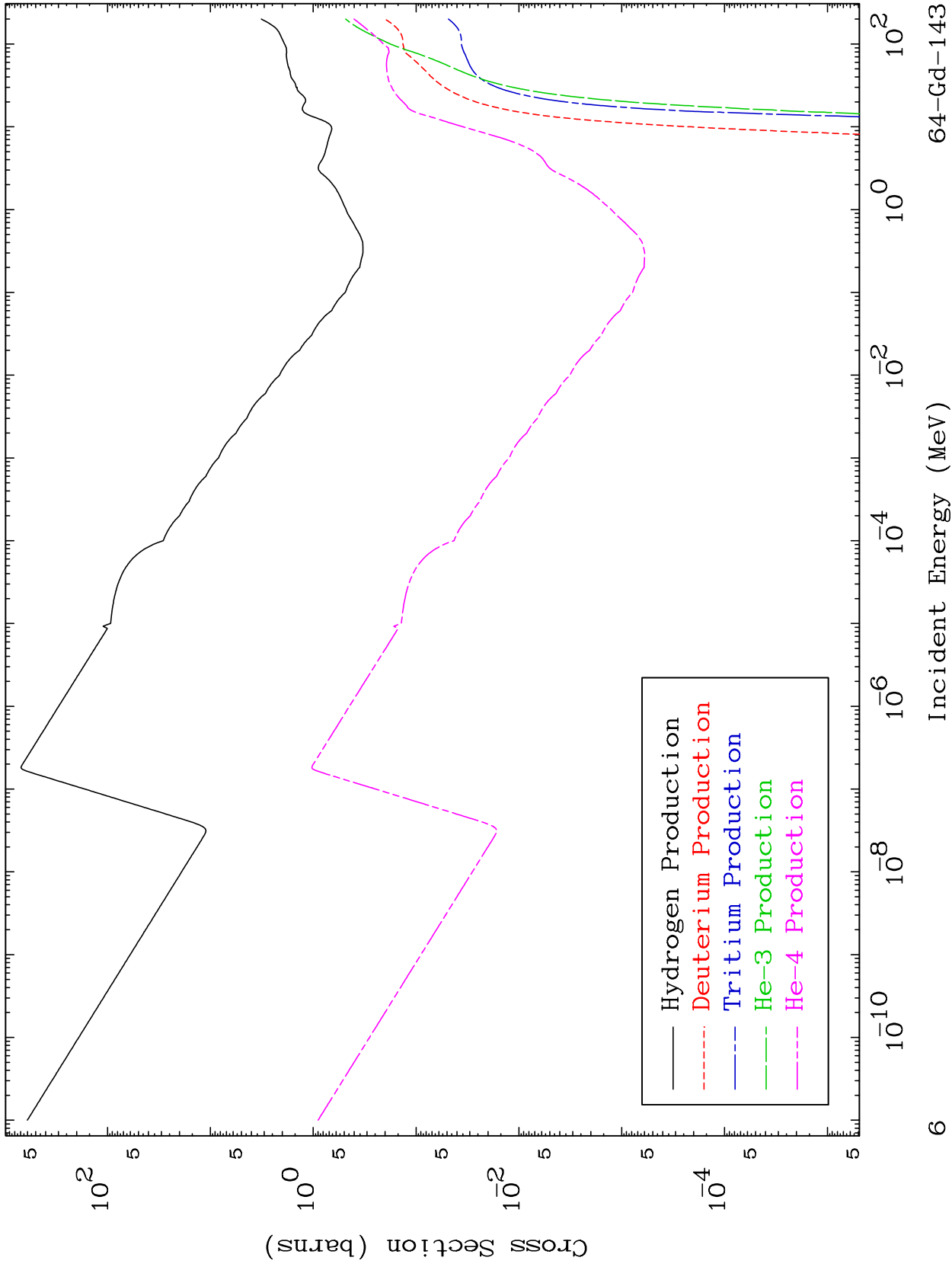
MAT 6399

Charged Particle
293 Kelvin Cross Sections

64-Gd-143



5

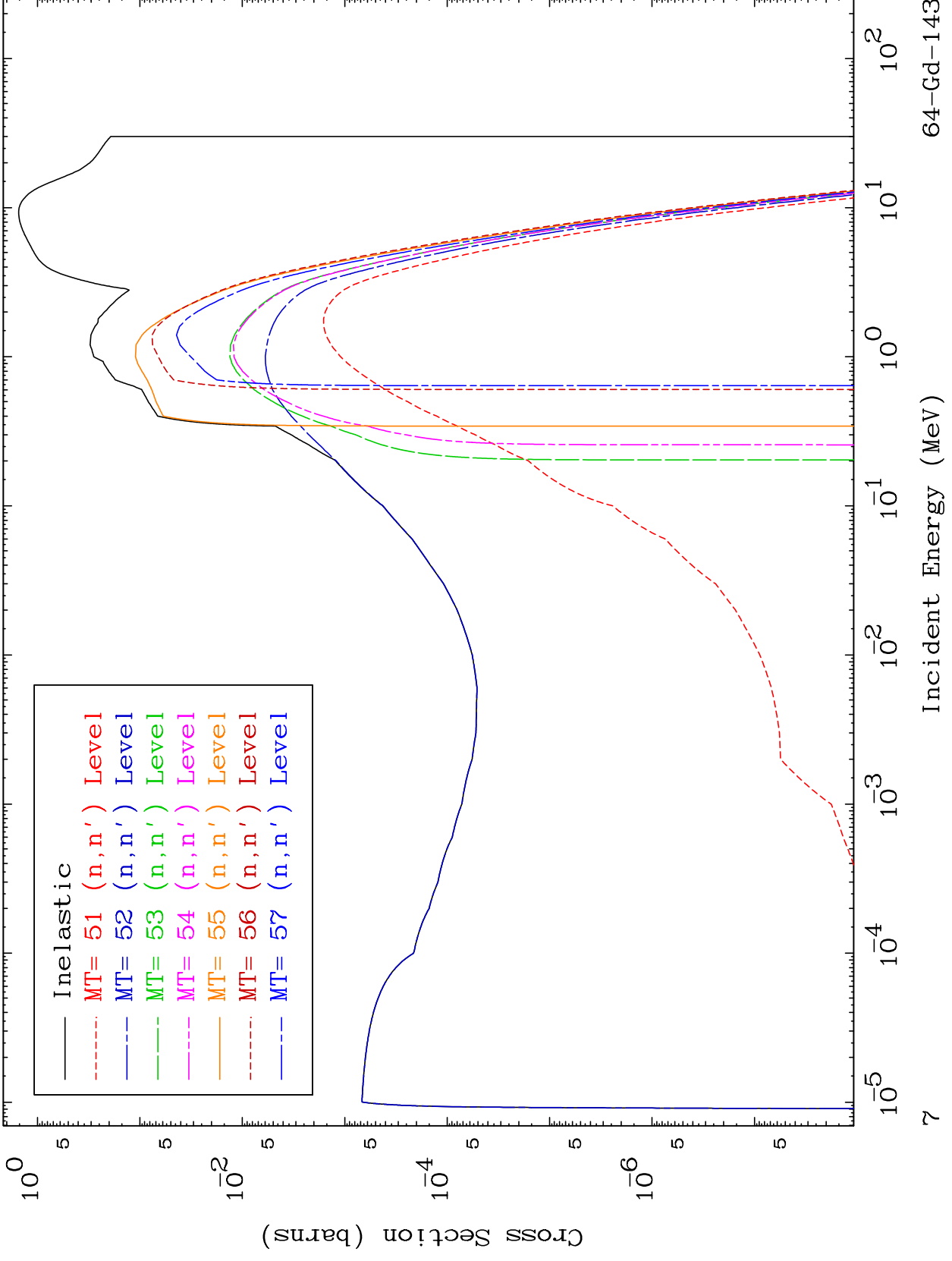


MAT 6399

(n,n') Level

64-Gd-143

293 Kelvin Cross Sections

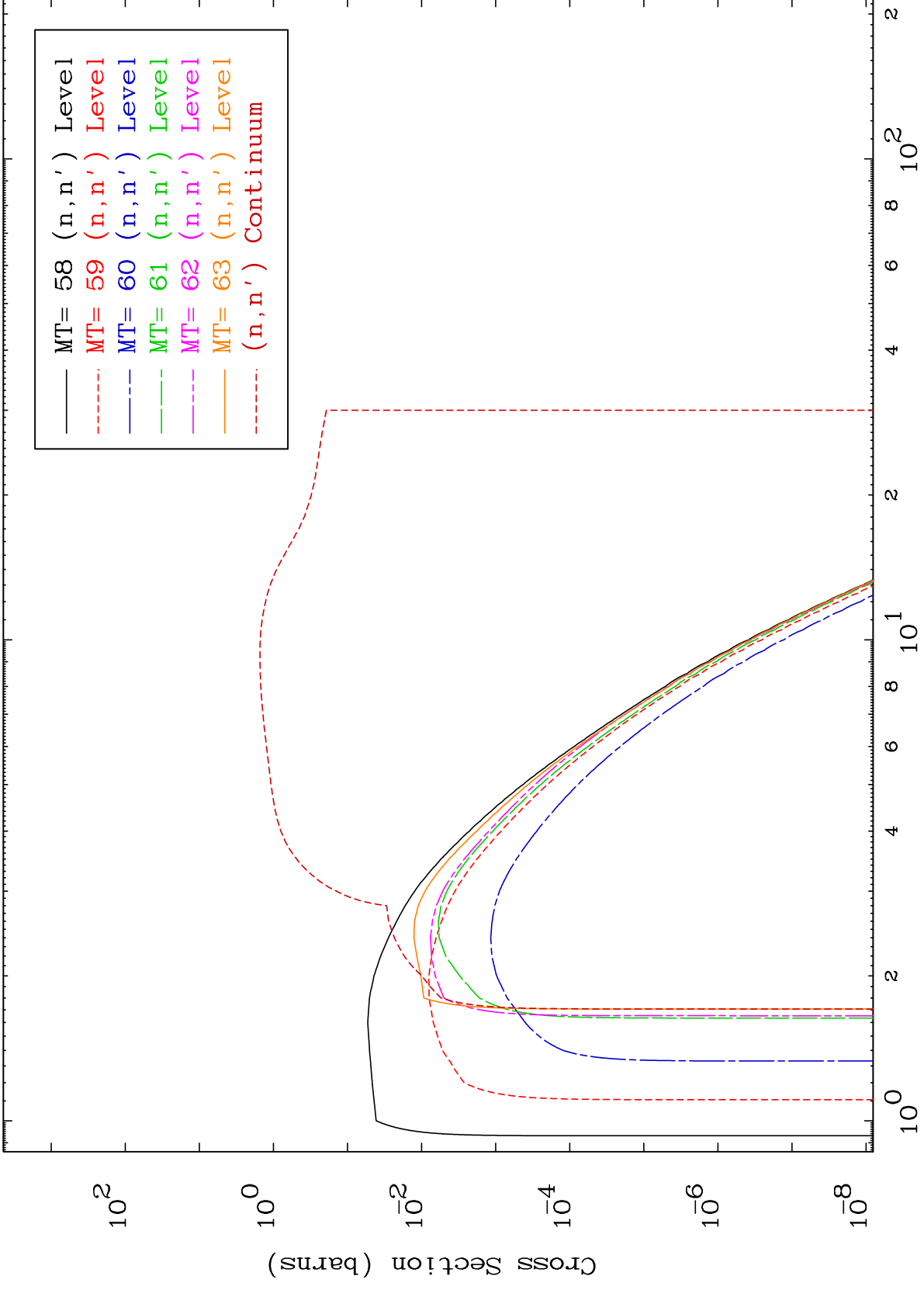


MAT 6399

(n,n') Level

64-Gd-143

293 Kelvin Cross Sections



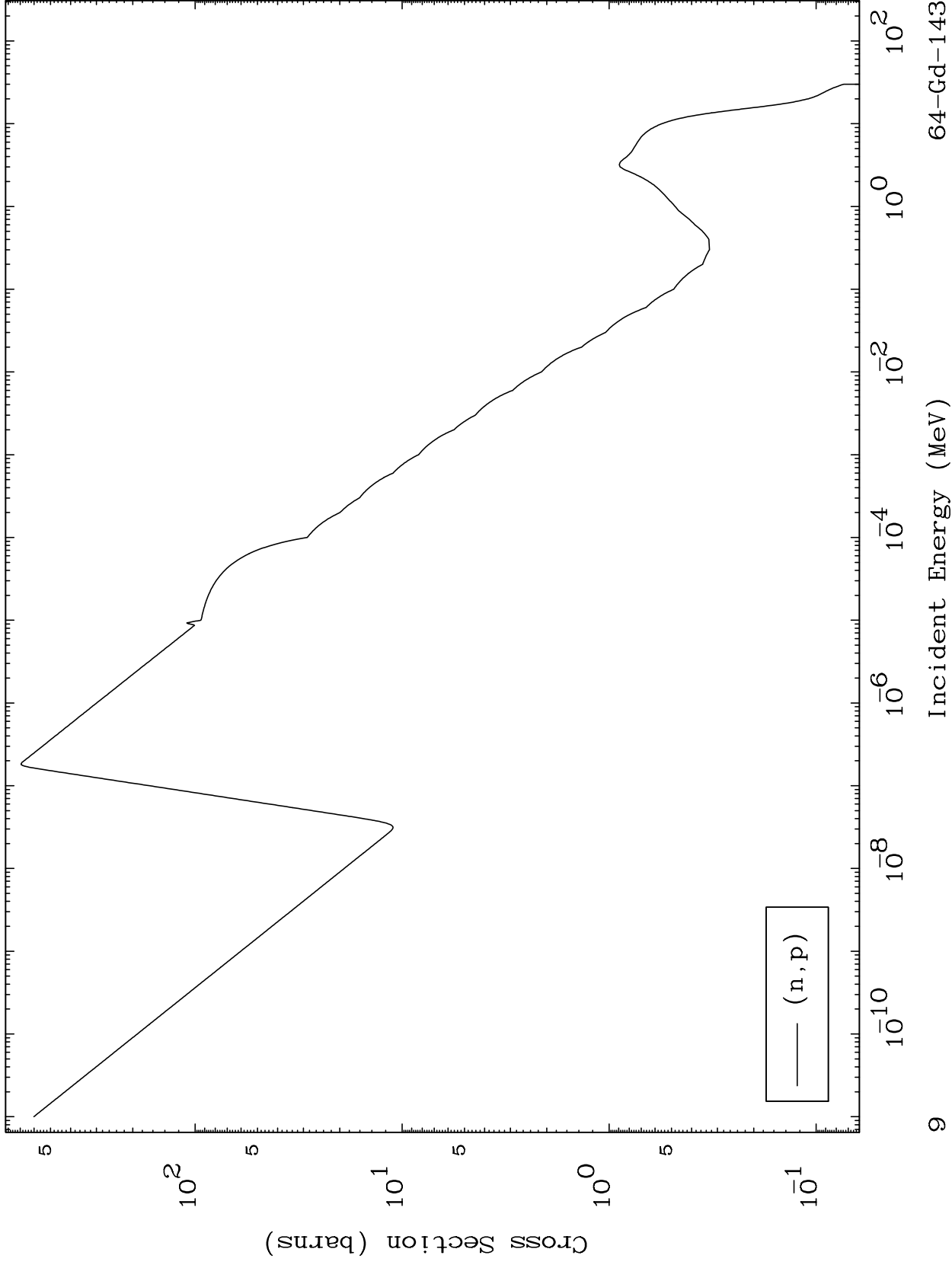
Incident Energy (MeV)

64-Gd-143

MAT 6399

(n,p) Levels
293 Kelvin Cross Sections

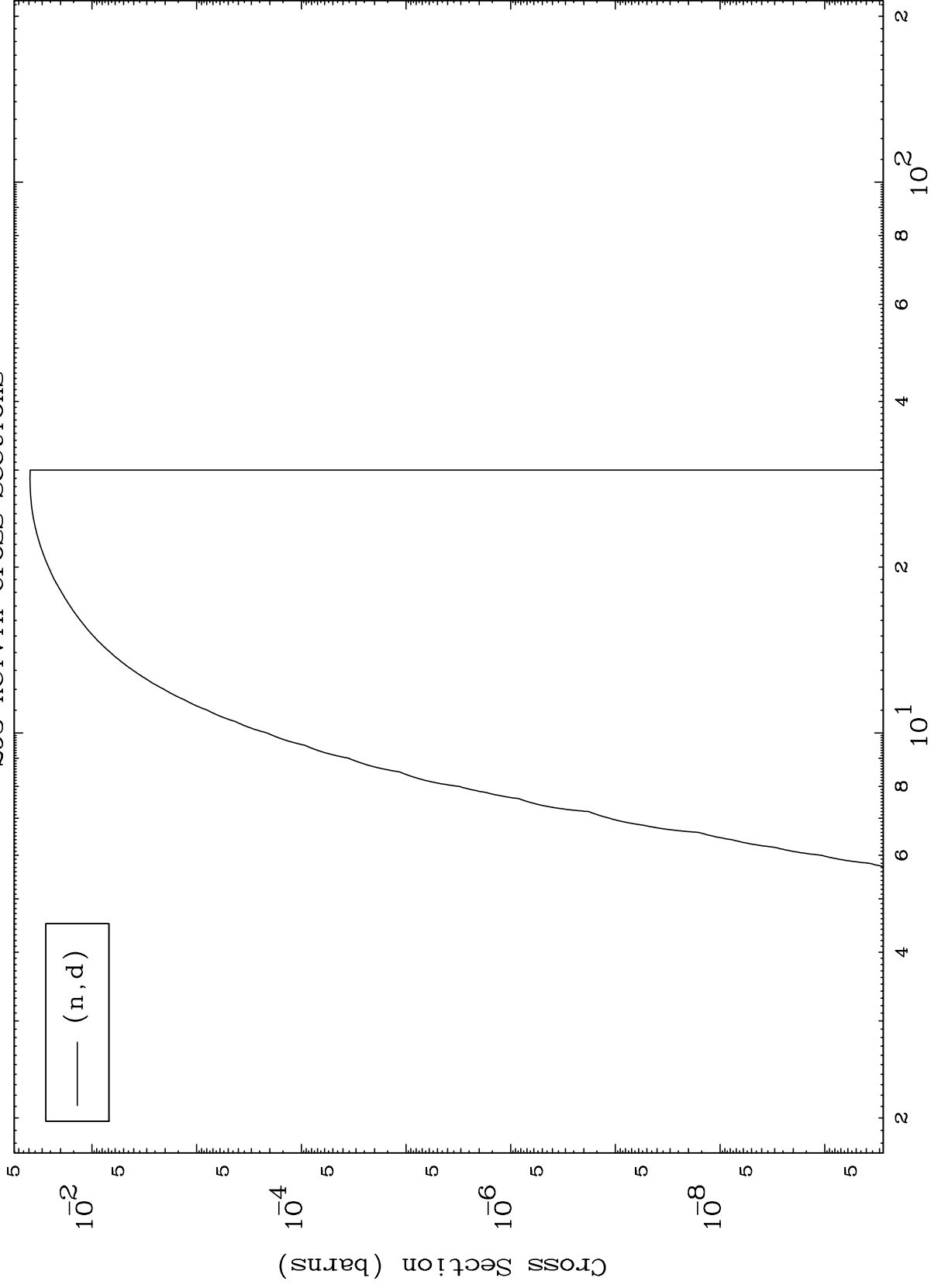
64-Gd-143



MAT 6399

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-143



10

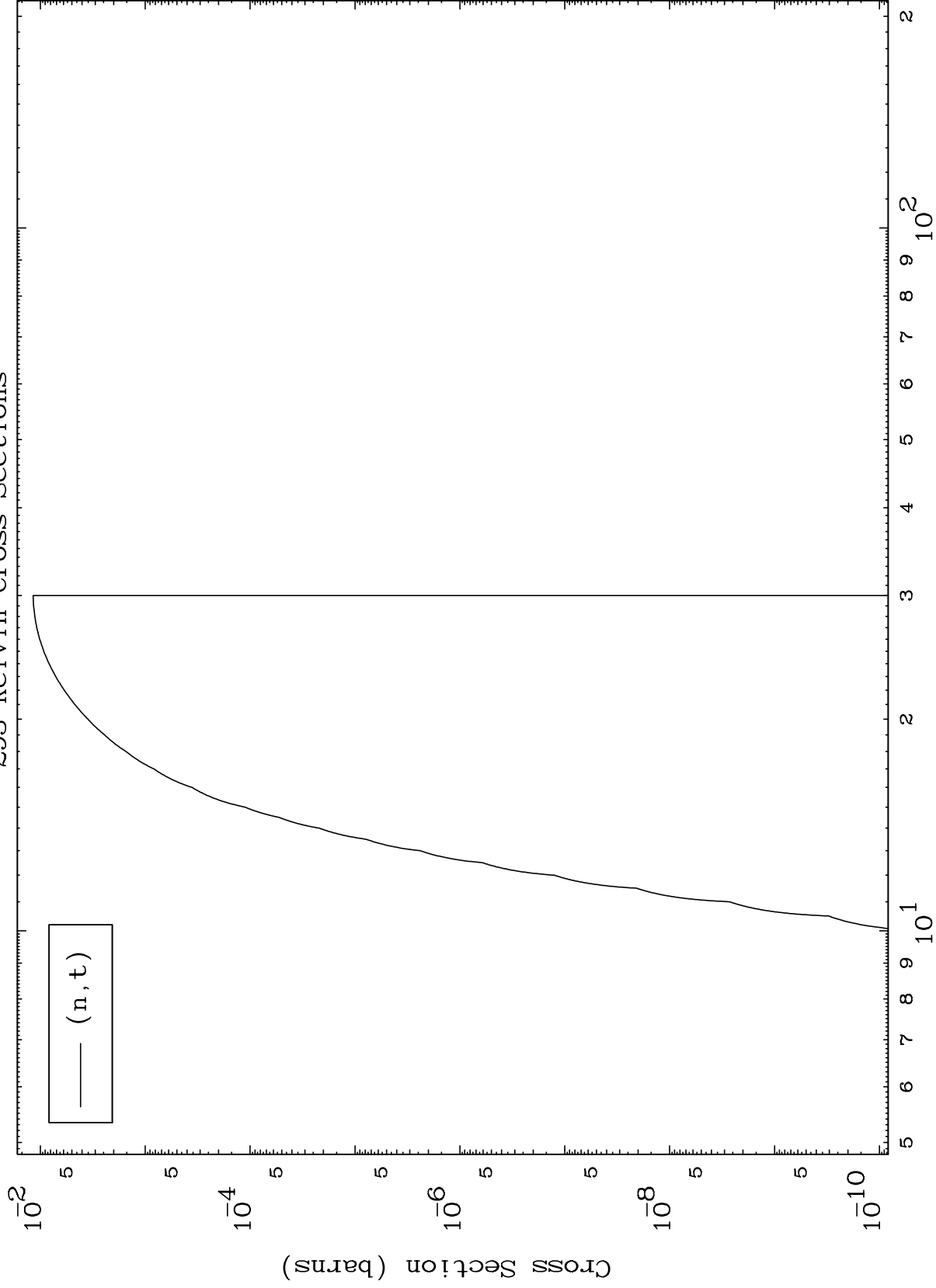
Incident Energy (MeV)

64-Gd-143

MAT 6399

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-143



11

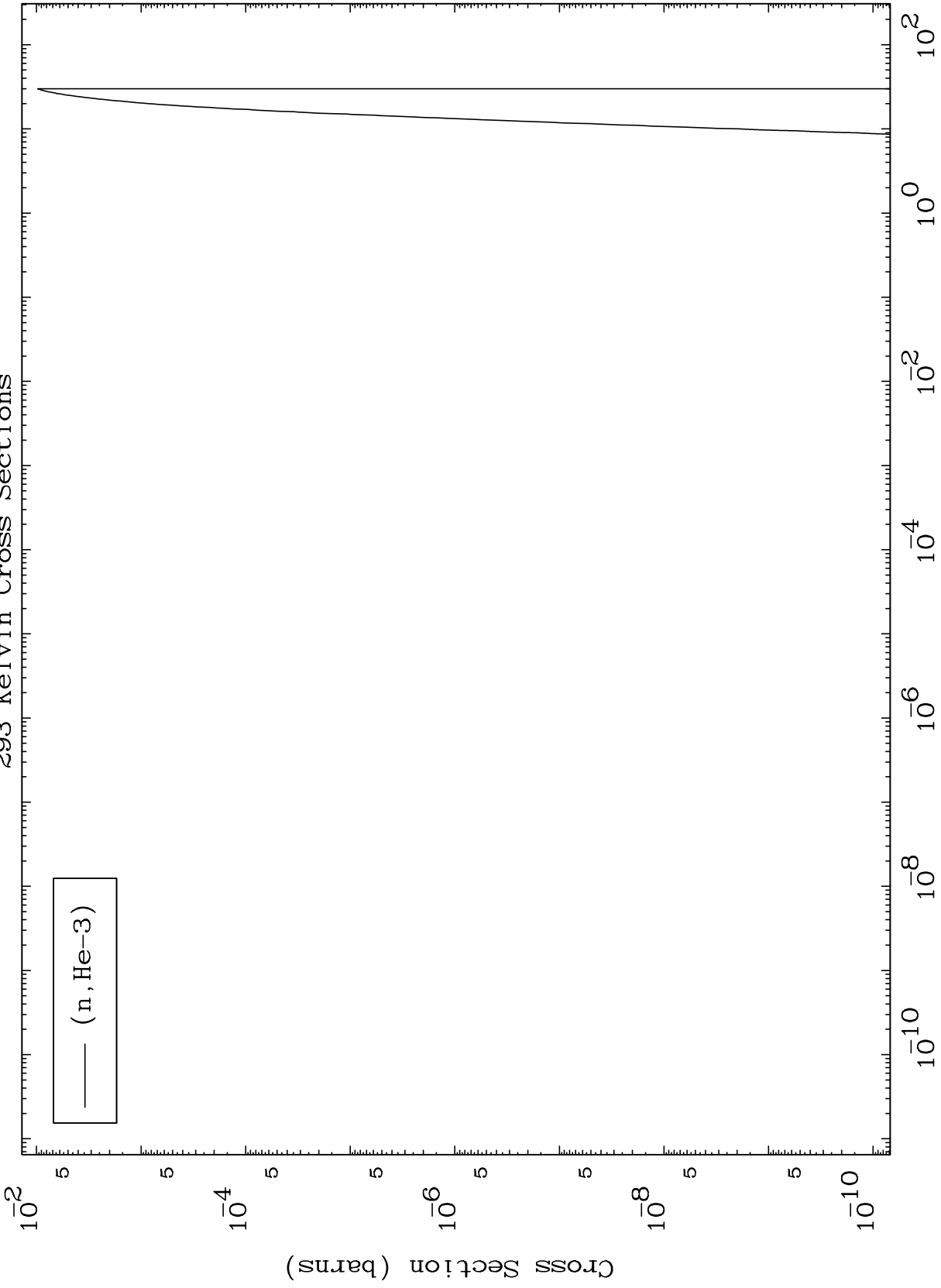
Incident Energy (MeV)

64-Gd-143

MAT 6399

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-143



12

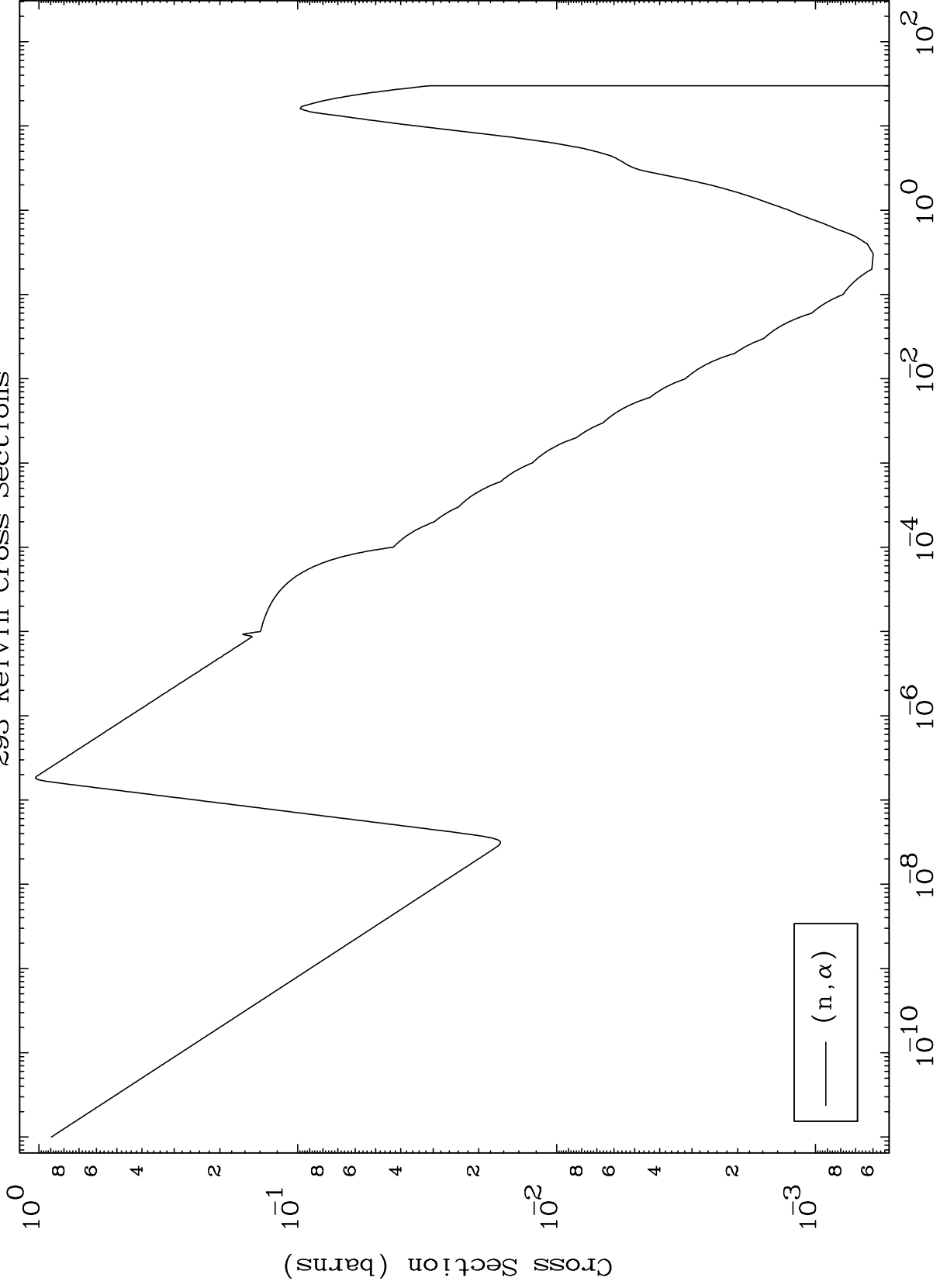
Incident Energy (MeV)

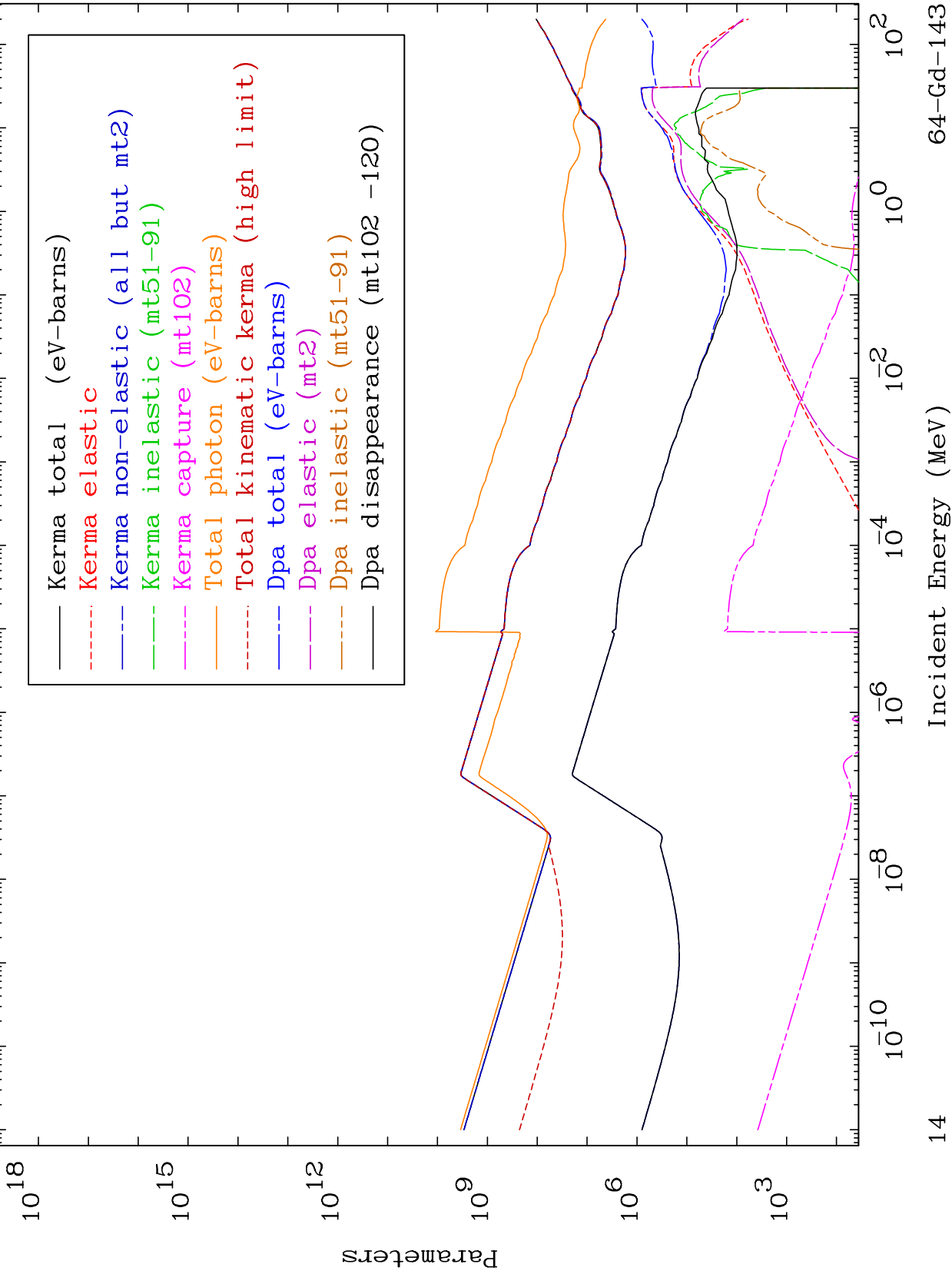
64-Gd-143

MAT 6399

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-143

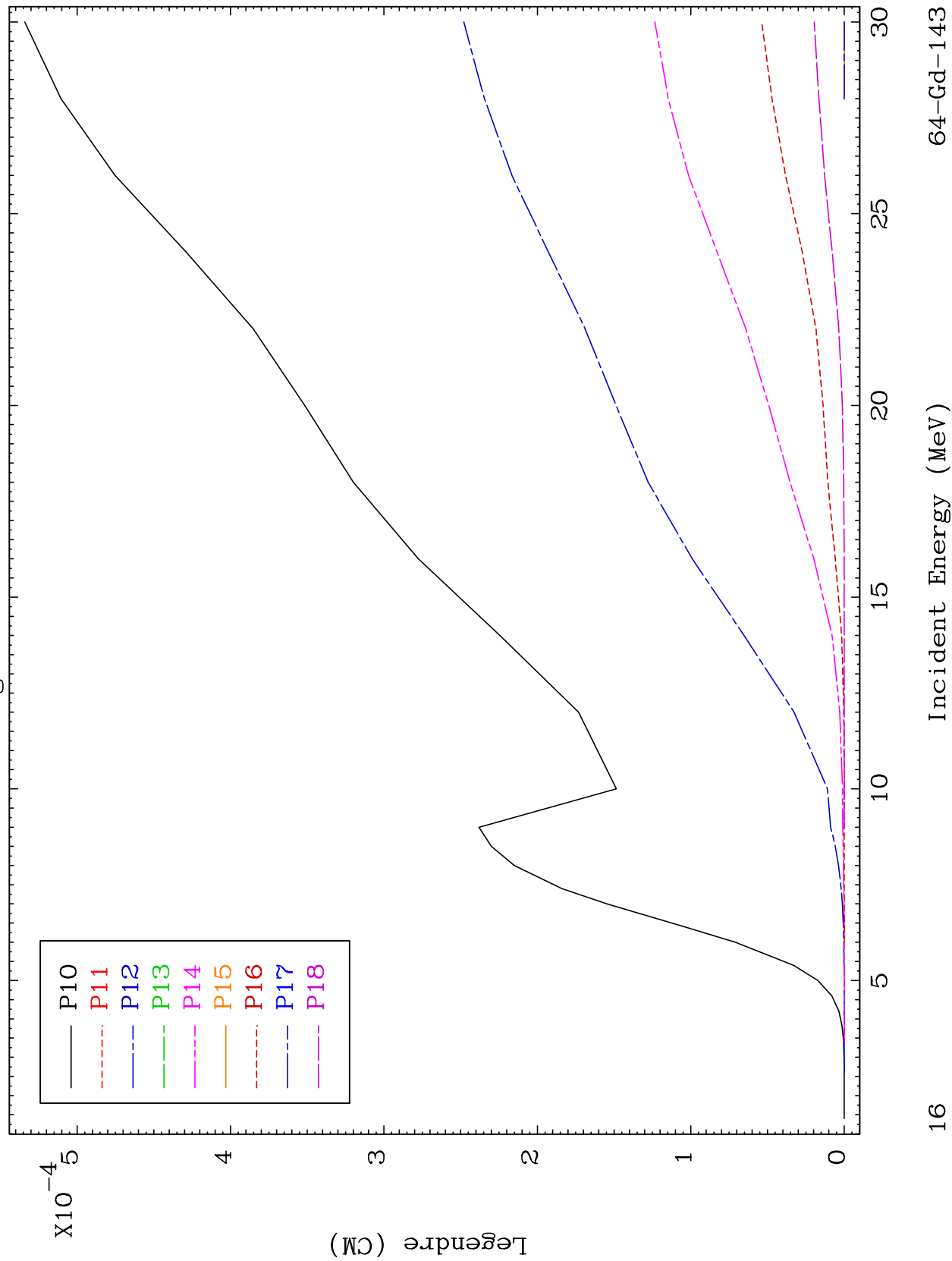




MAT 6399

Elastic Legendre Coefficients

64-Gd-143



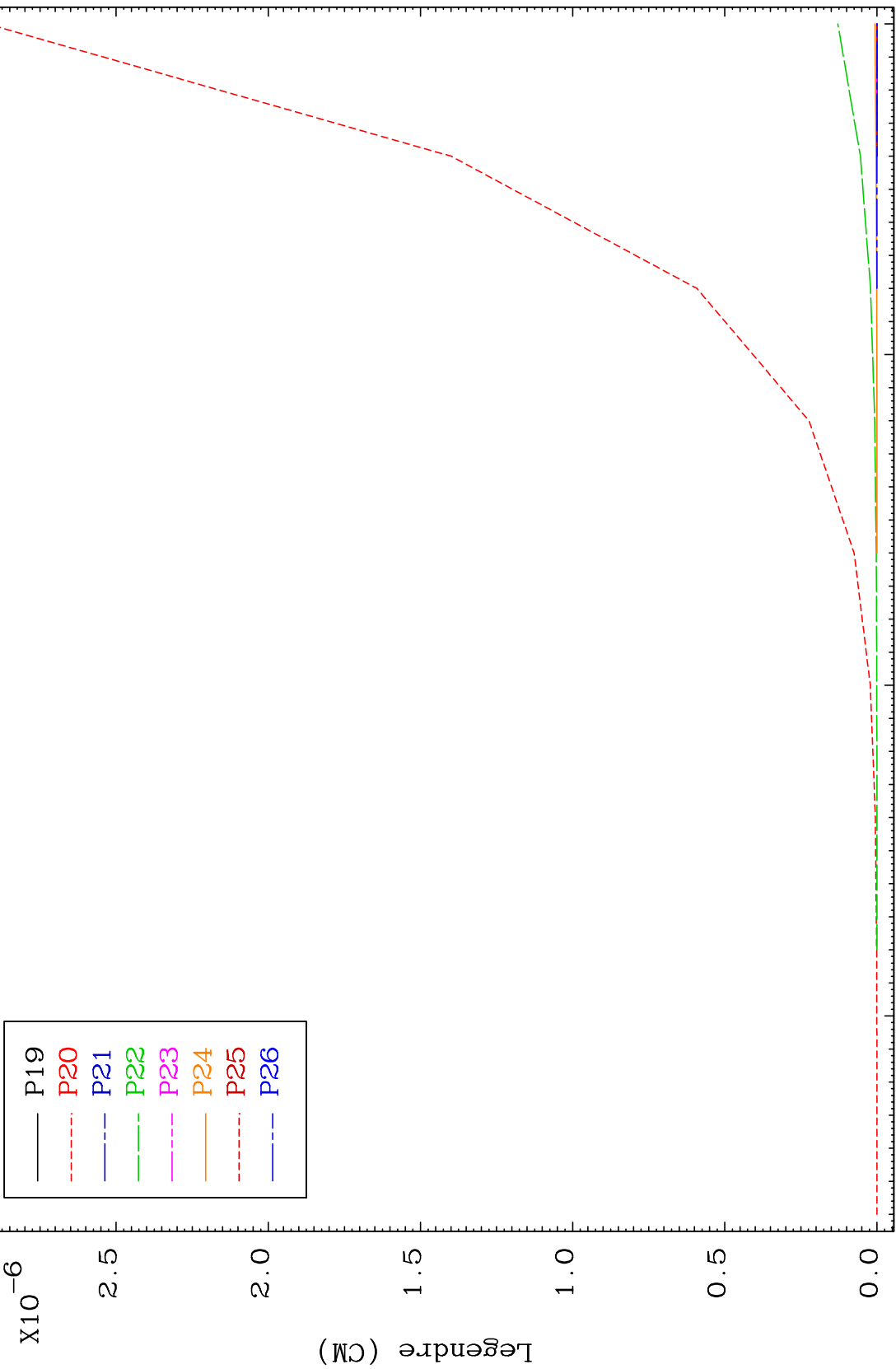
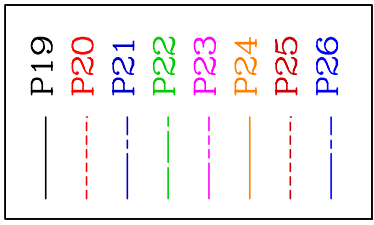
16

64-Gd-143

MAT 6399

Elastic Legendre Coefficients

64-Gd-143



17

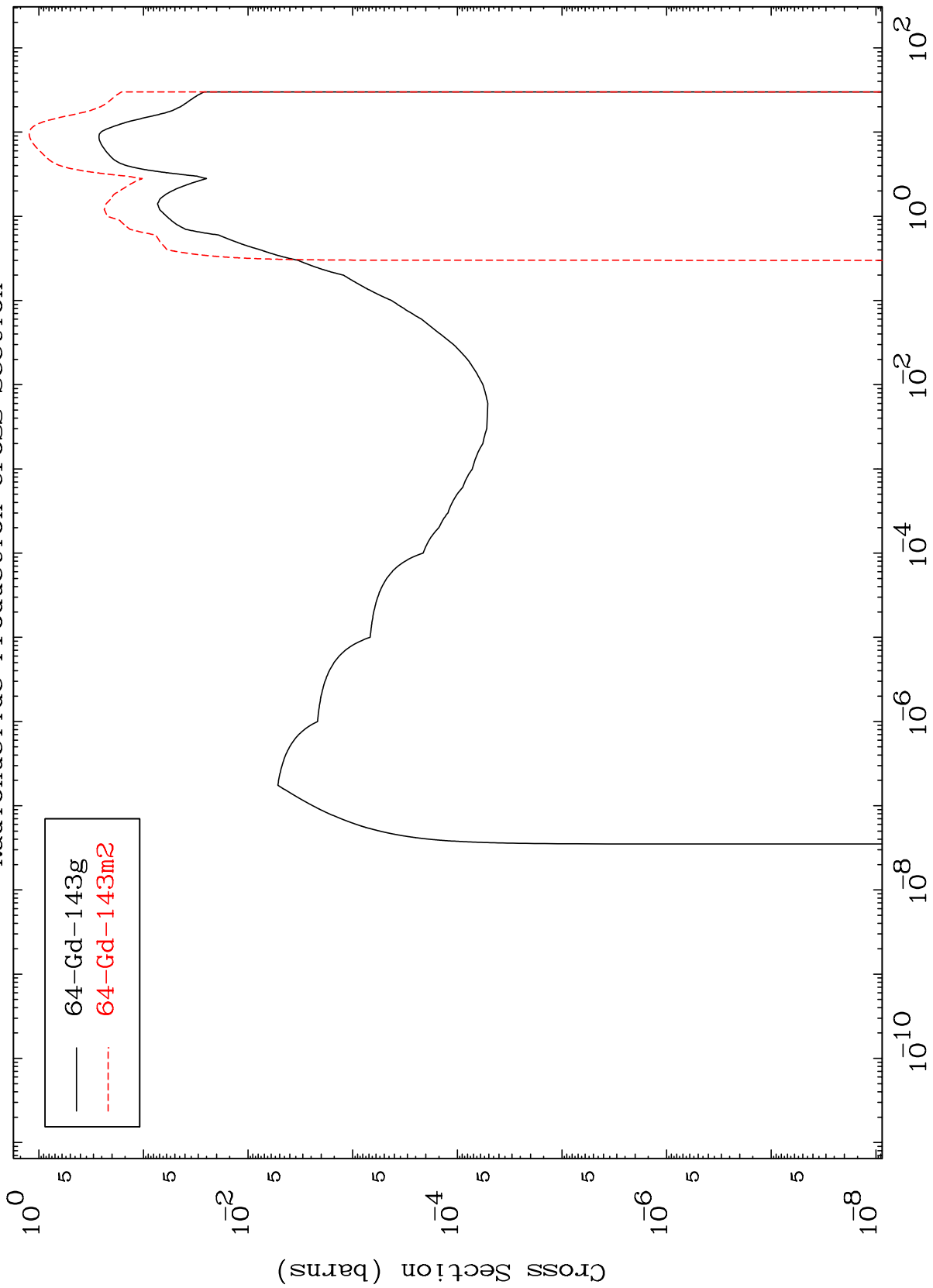
Incident Energy (MeV)

64-Gd-143

MAT 6399

Inelastic
Radionuclide Production Cross Section

64-Gd-143



18

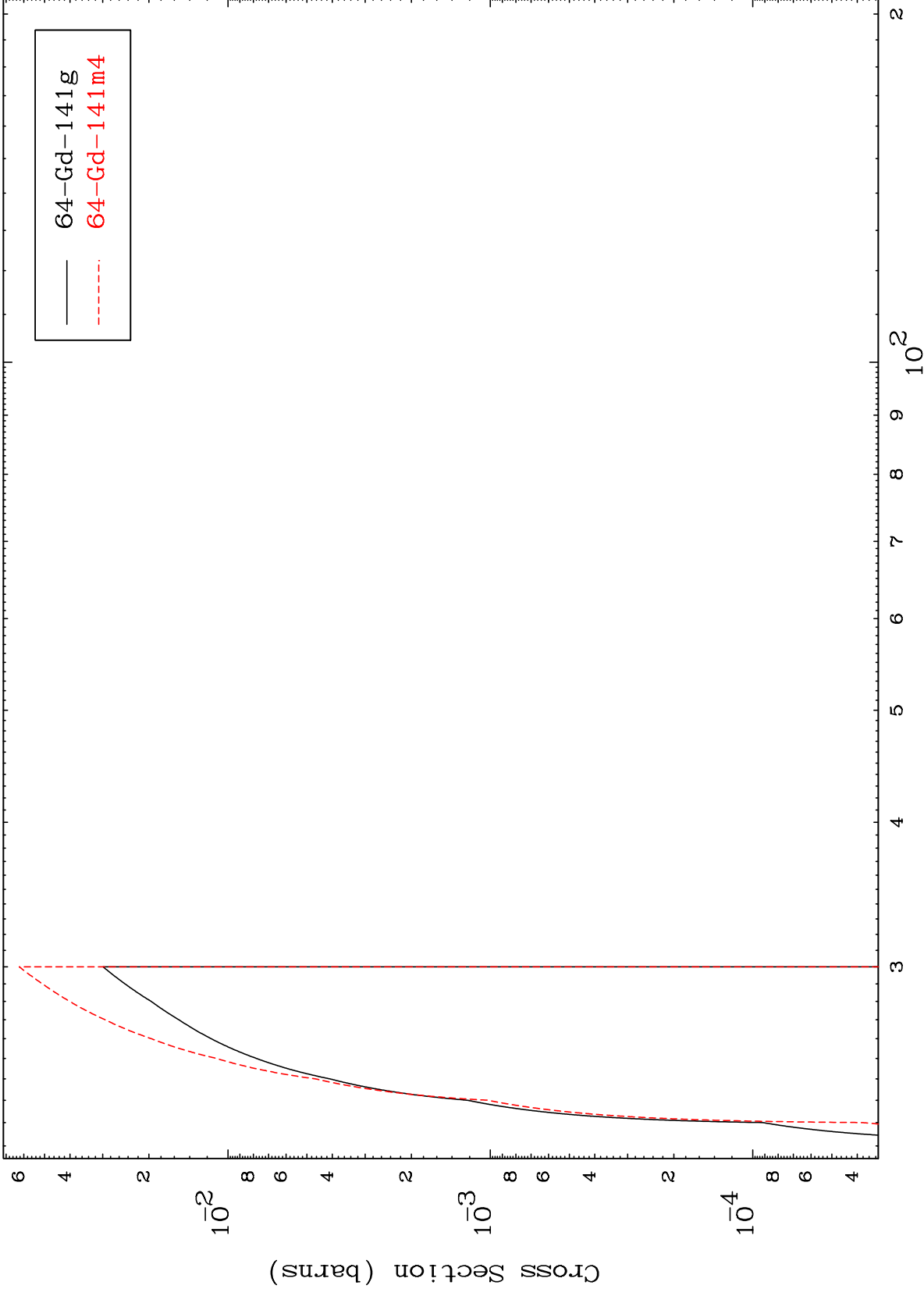
64-Gd-143

MAT 6399

(n,3n)

64-Gd-143

Radionuclide Production Cross Section



19

Incident Energy (MeV)

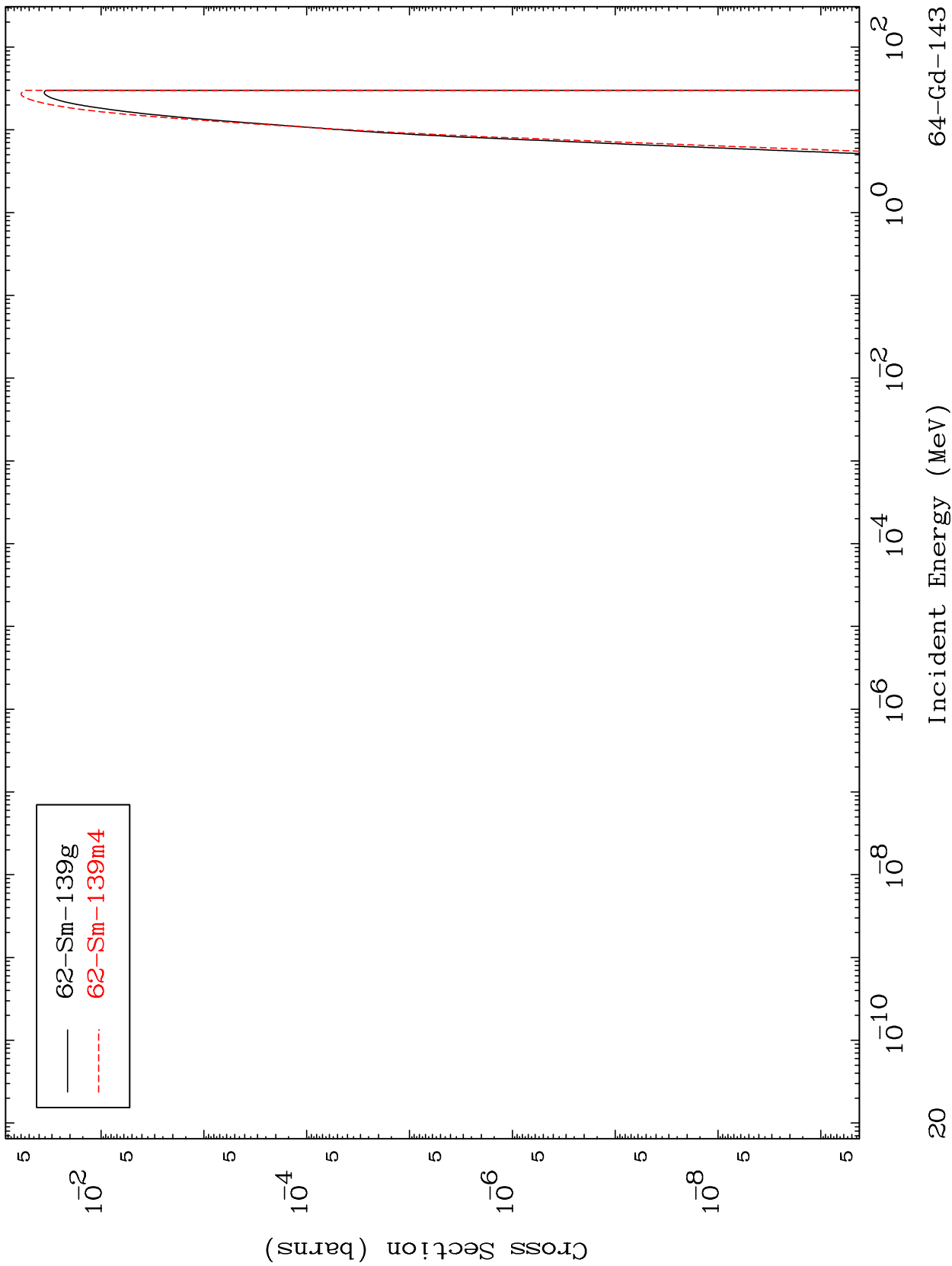
64-Gd-143

MAT 6399

(n, n') α

64-Gd-143

Radionuclide Production Cross Section



20

Incident Energy (MeV)

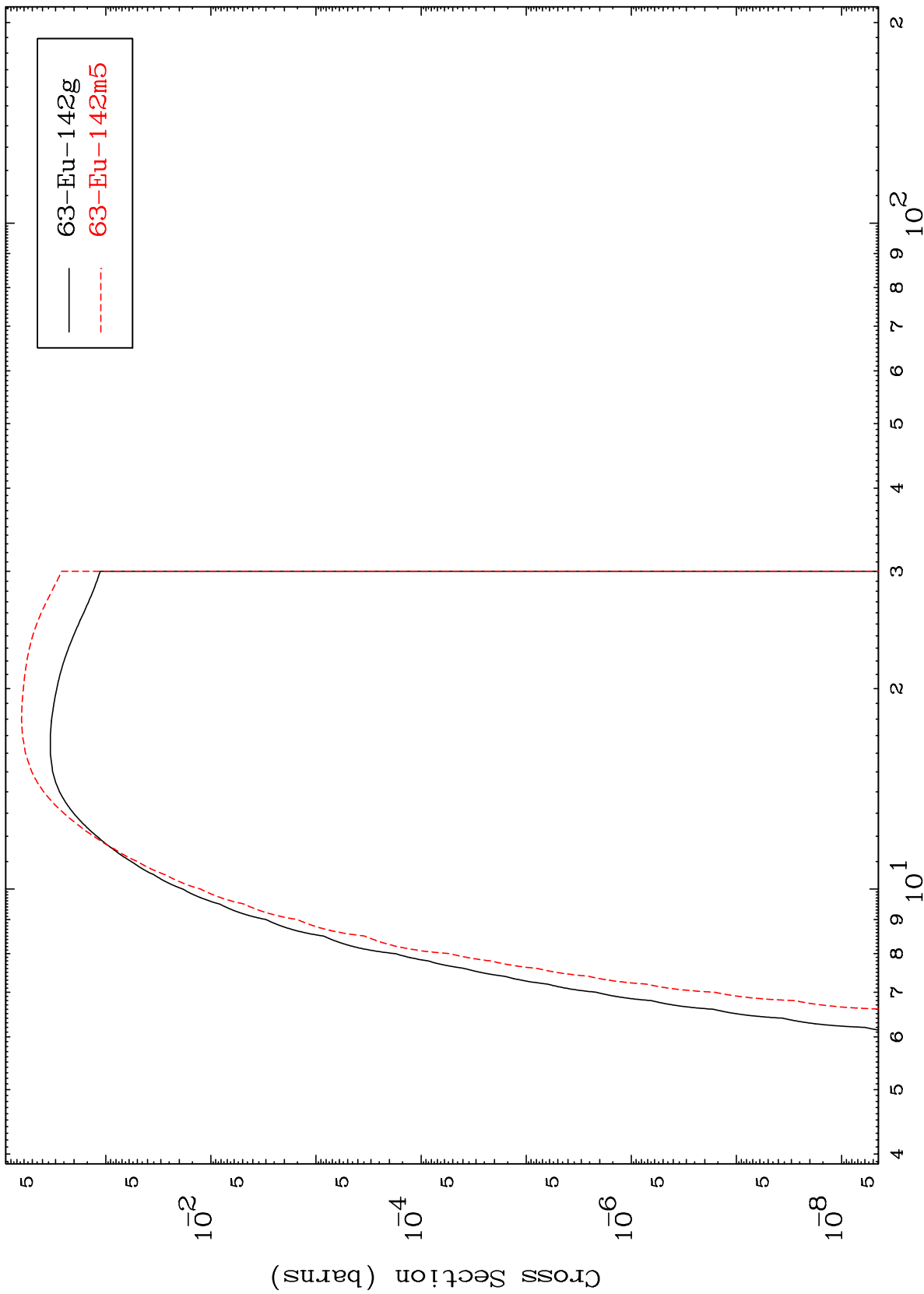
64-Gd-143

MAT 6399

(n,n') p

64-Gd-143

Radionuclide Production Cross Section



21

Incident Energy (MeV)

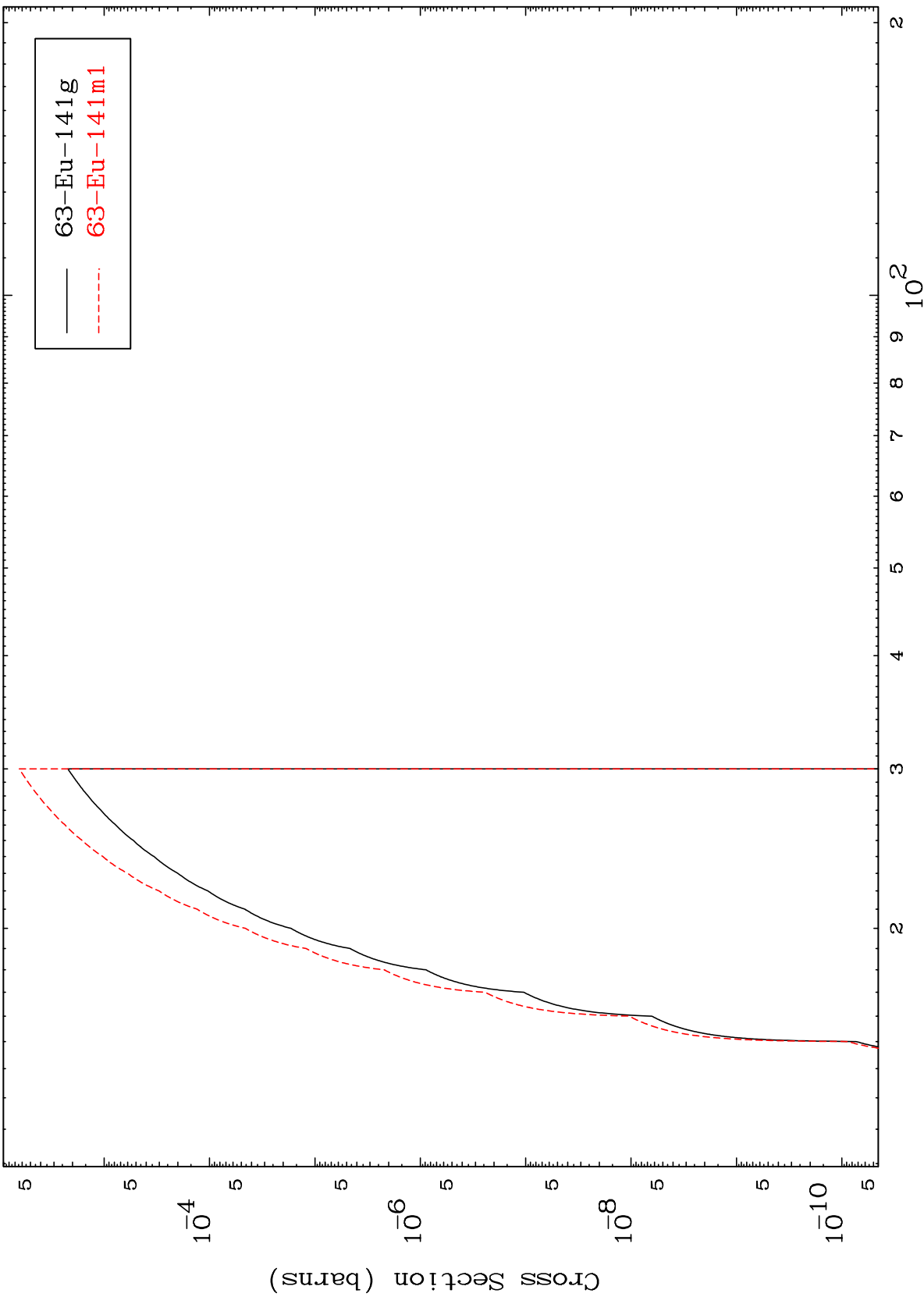
64-Gd-143

MAT 6399

(n,n') d

64-Gd-143

Radionuclide Production Cross Section



22

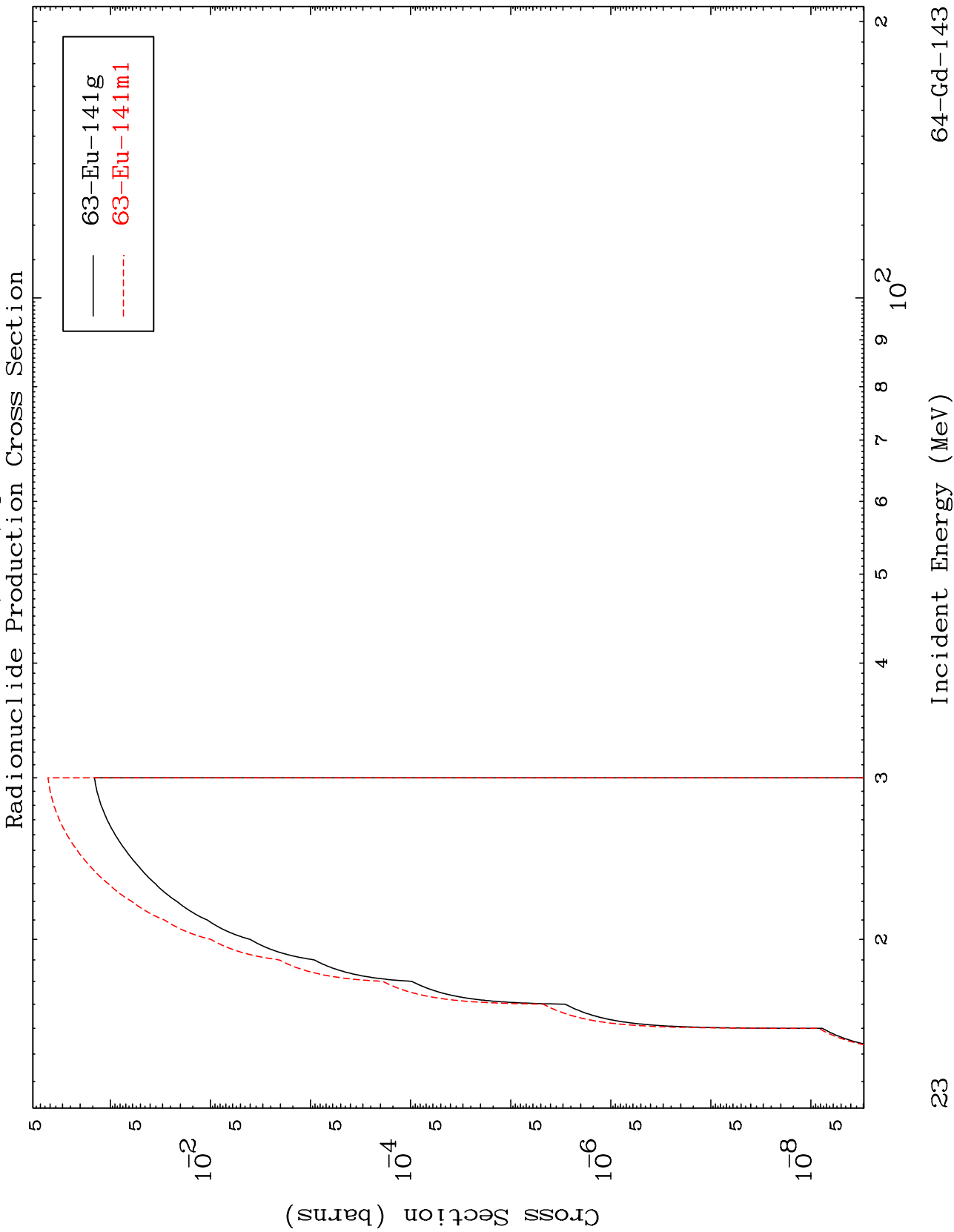
Incident Energy (MeV)

64-Gd-143

MAT 6399

(n,2n) p

64-Gd-143



23

Incident Energy (MeV)

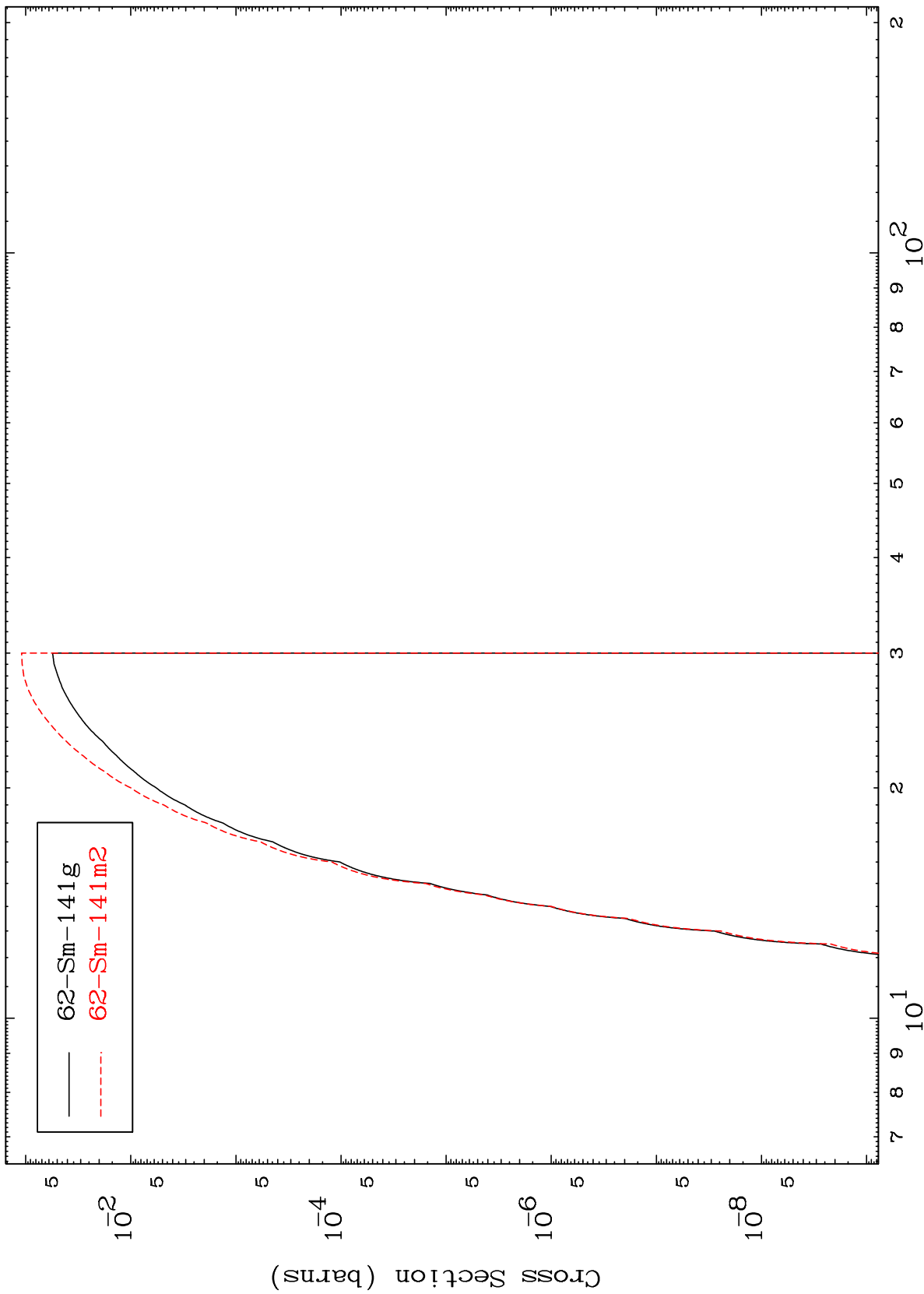
64-Gd-143

MAT 6399

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



24

Incident Energy (MeV)

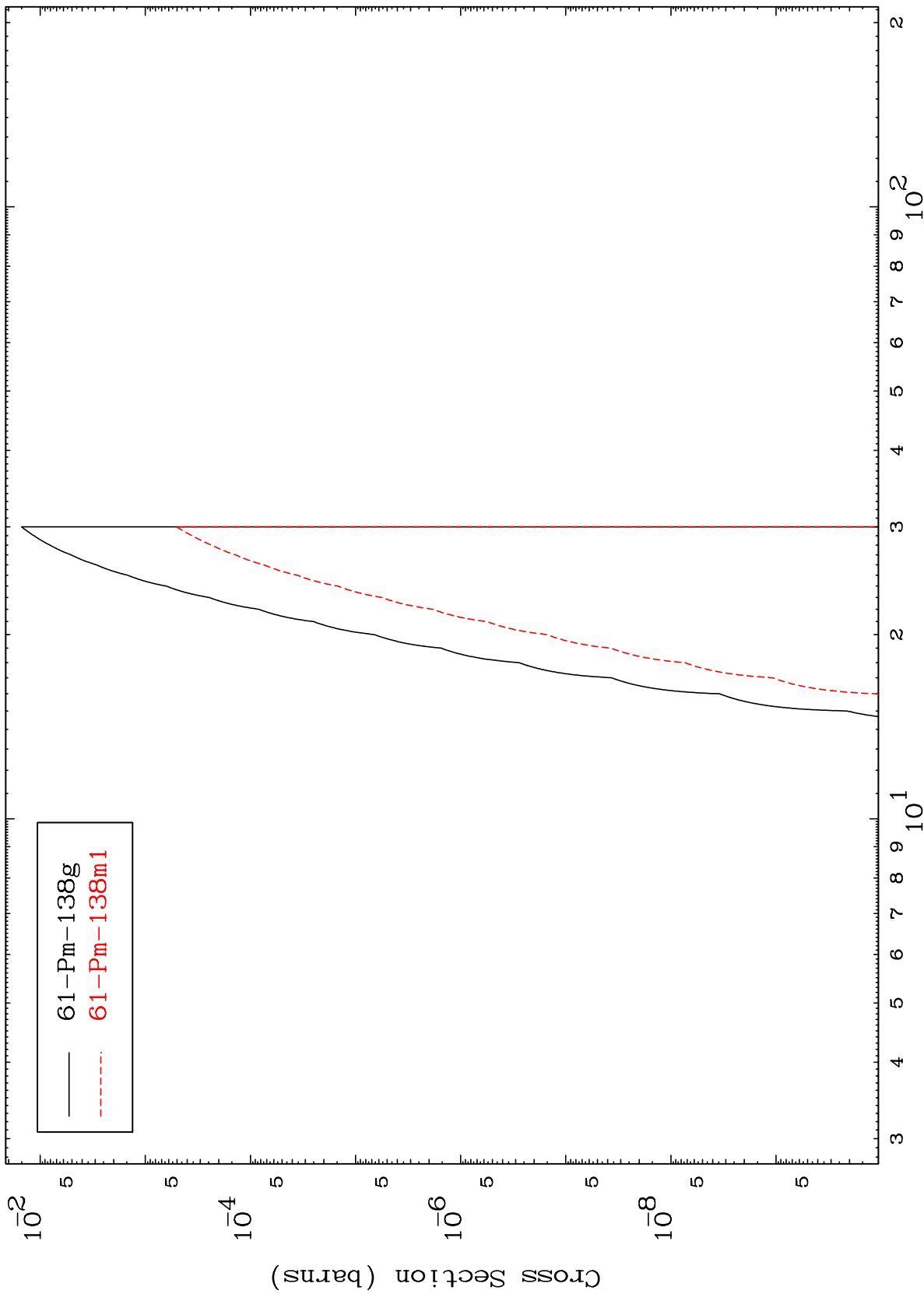
64-Gd-143

MAT 6399

(n,n') p α

64-Gd-143

Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

Incident Energy (MeV)

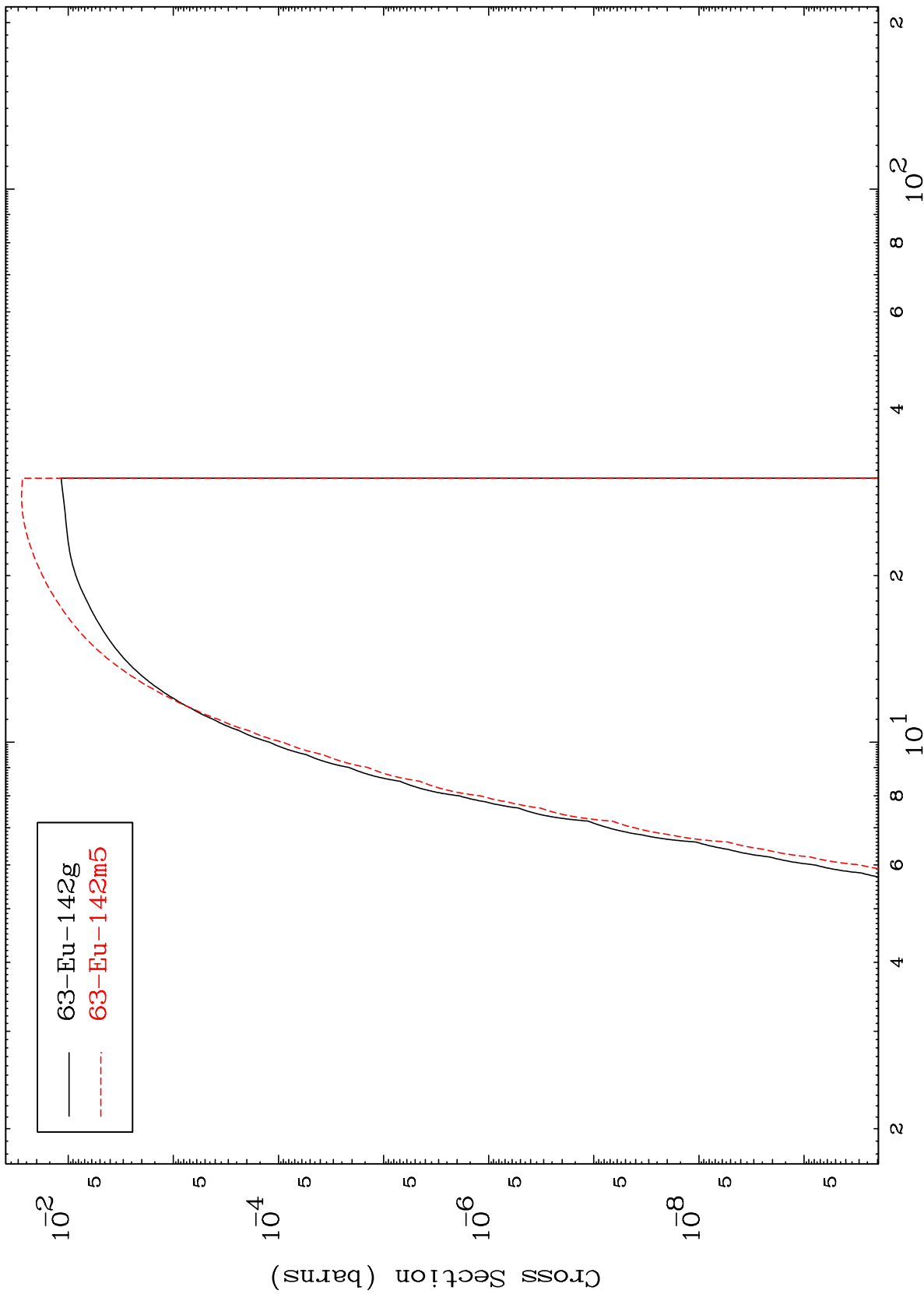
64-Gd-143

25

MAT 6399

64-Gd-143

(n,d)
Radionuclide Production Cross Section



— 63-Eu-142g
- - - 63-Eu-142m5

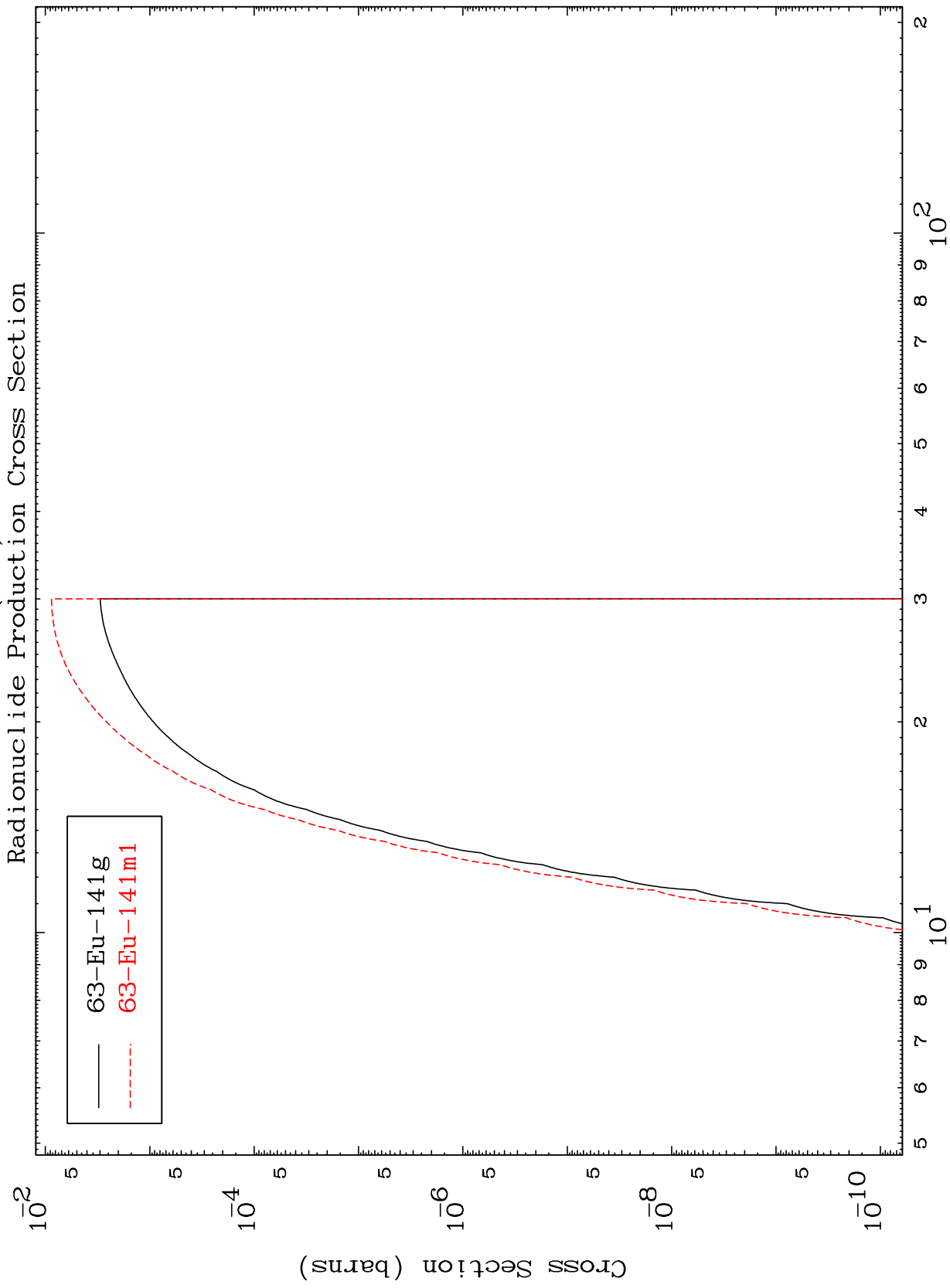
64-Gd-143

Incident Energy (MeV)

26

MAT 6399

64-Gd-143



27

Incident Energy (MeV)

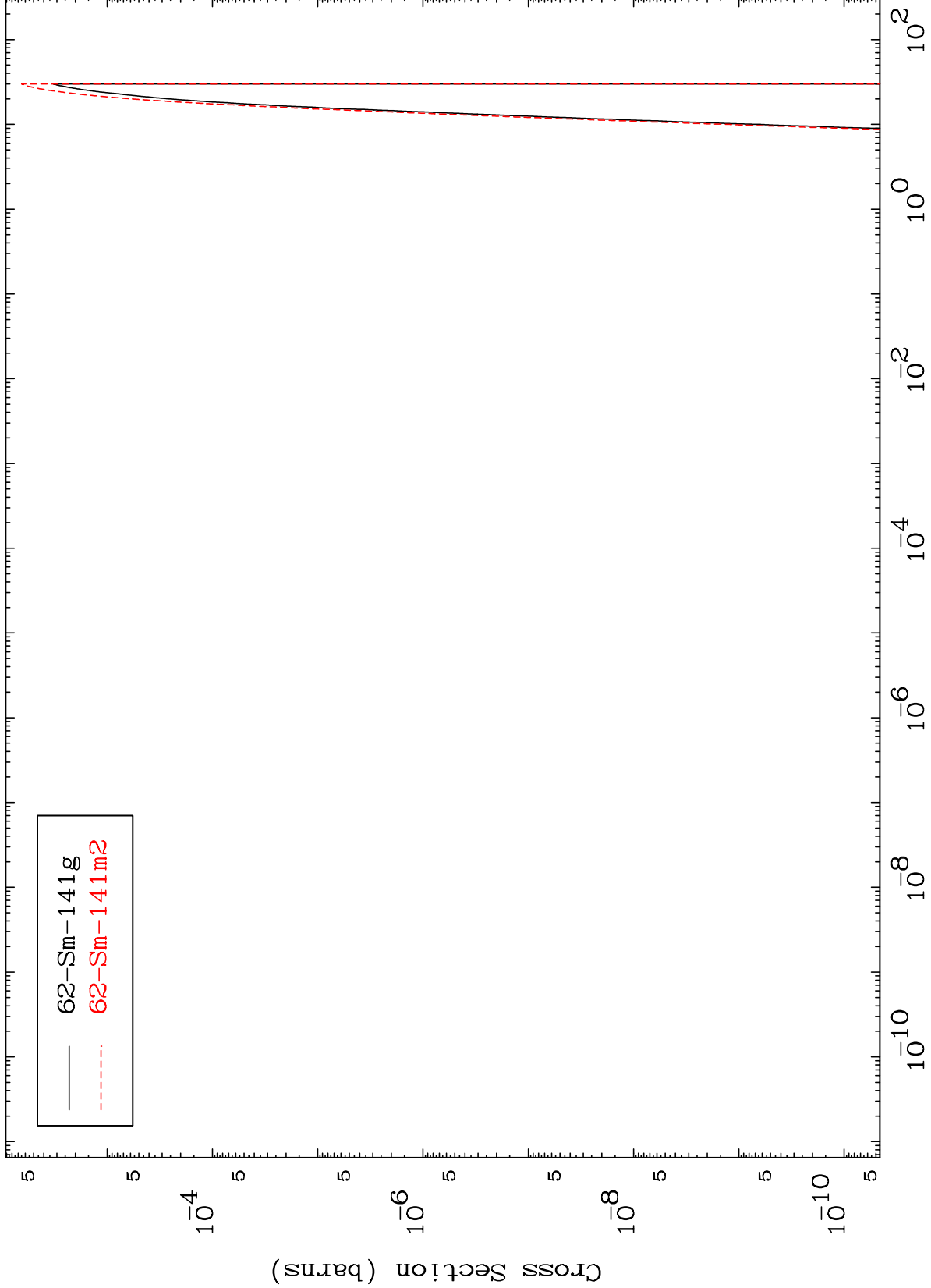
64-Gd-143

MAT 6399

(n,He-3)

64-Gd-143

Radionuclide Production Cross Section

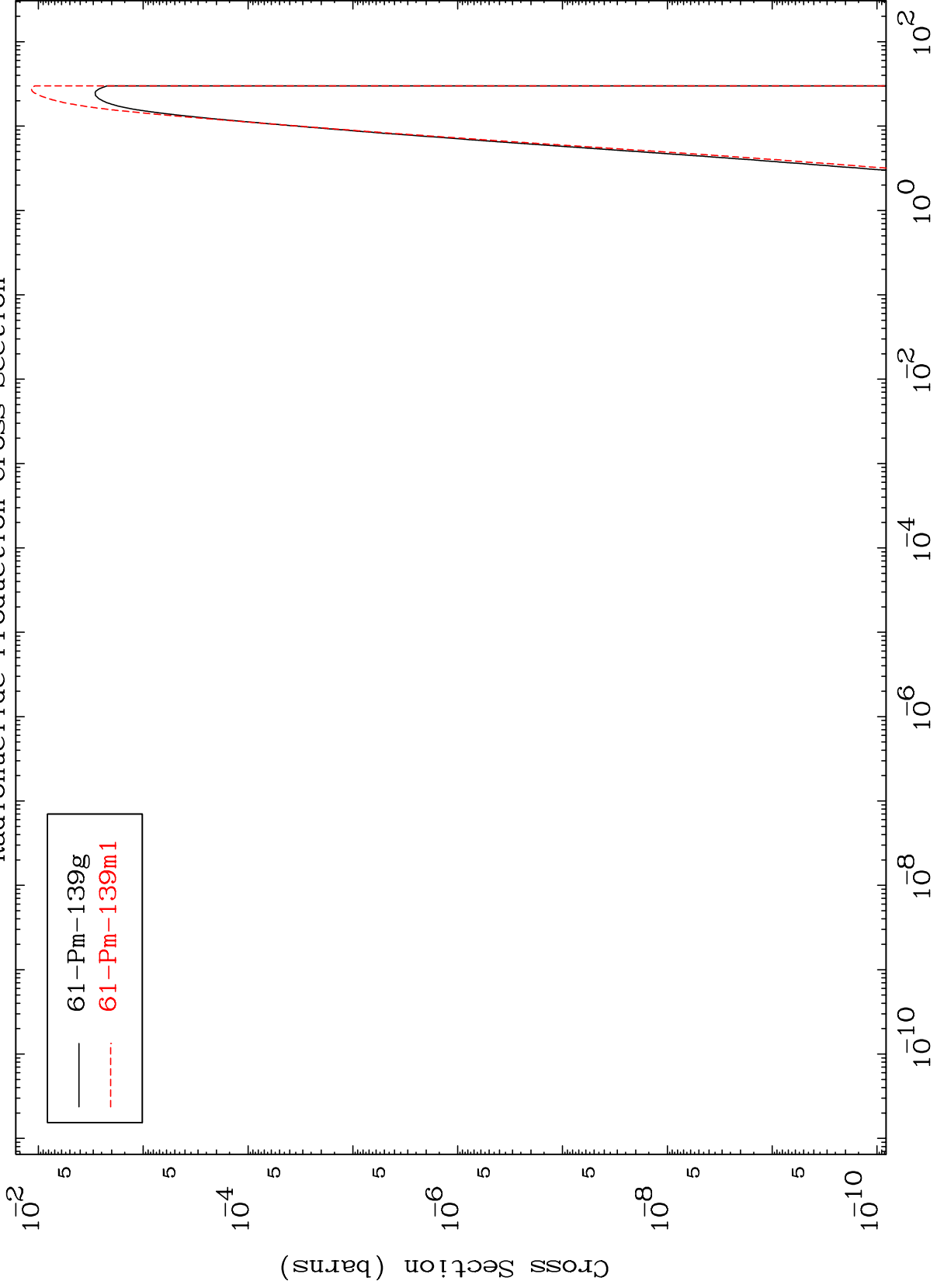


MAT 6399

(n,p) α

64-Gd-143

Radionuclide Production Cross Section

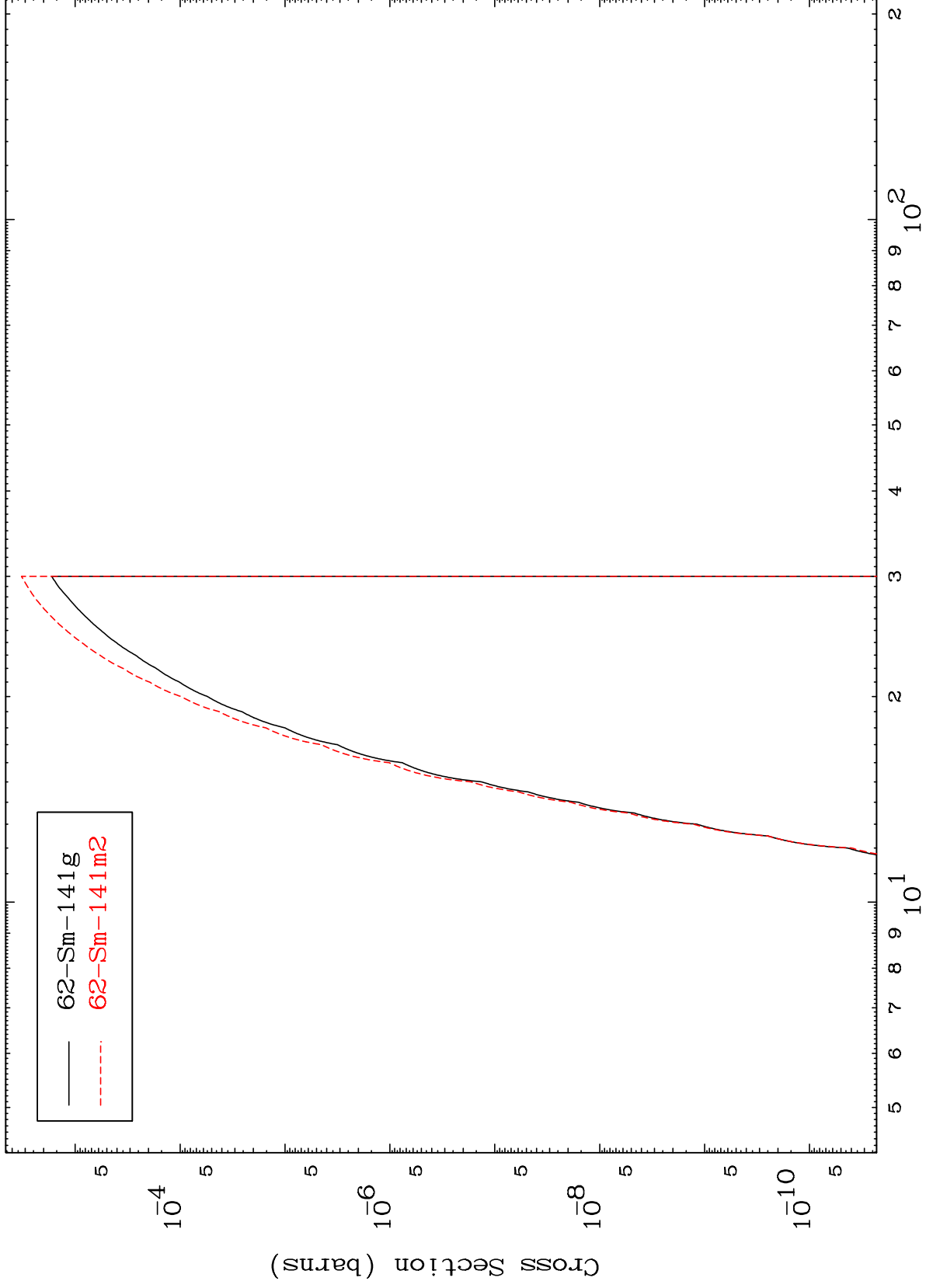


MAT 6399

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



30

Incident Energy (MeV)

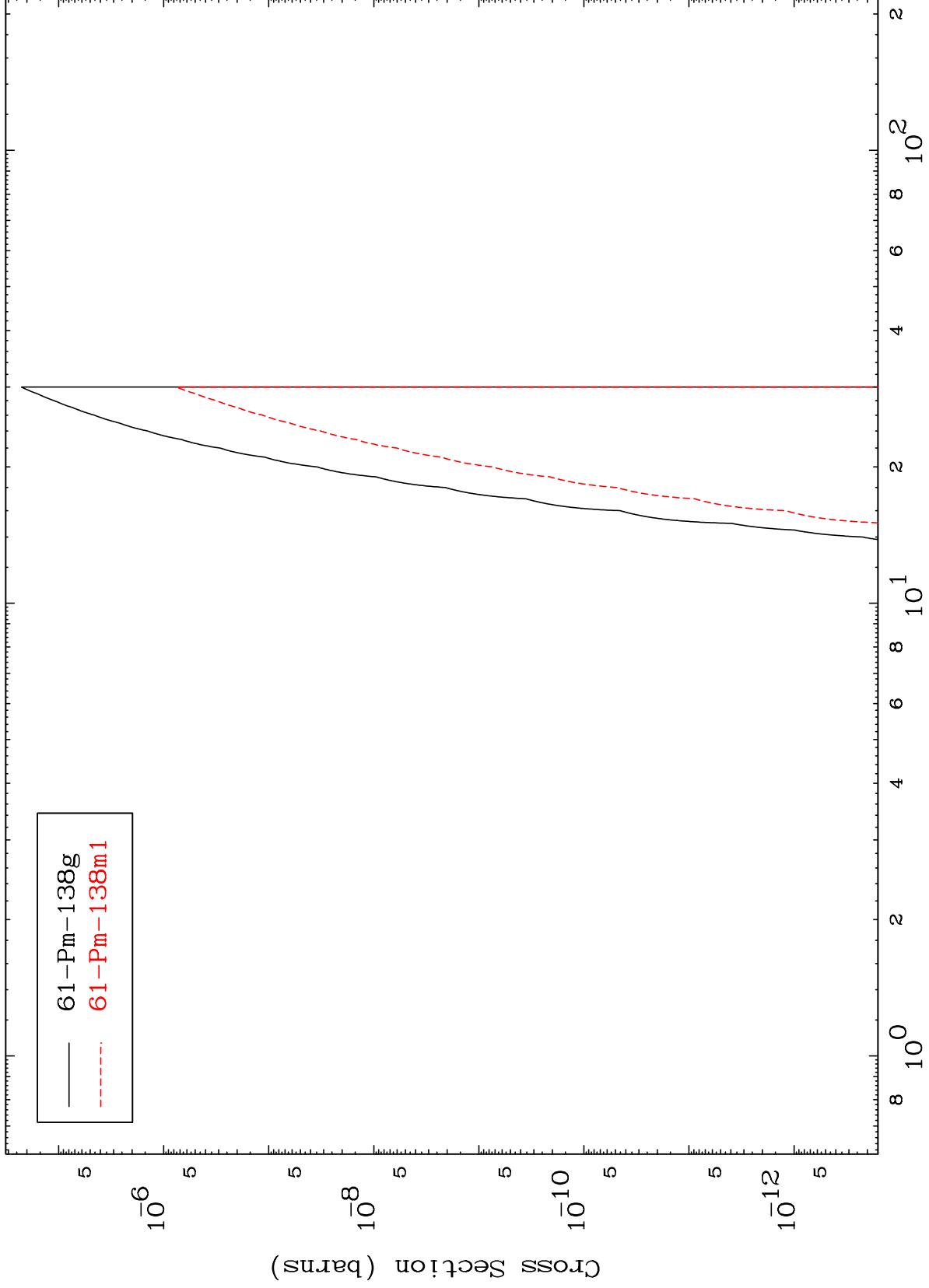
64-Gd-143

MAT 6399

(n,d) α

64-Gd-143

Radionuclide Production Cross Section



31

Incident Energy (MeV)

64-Gd-143