

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

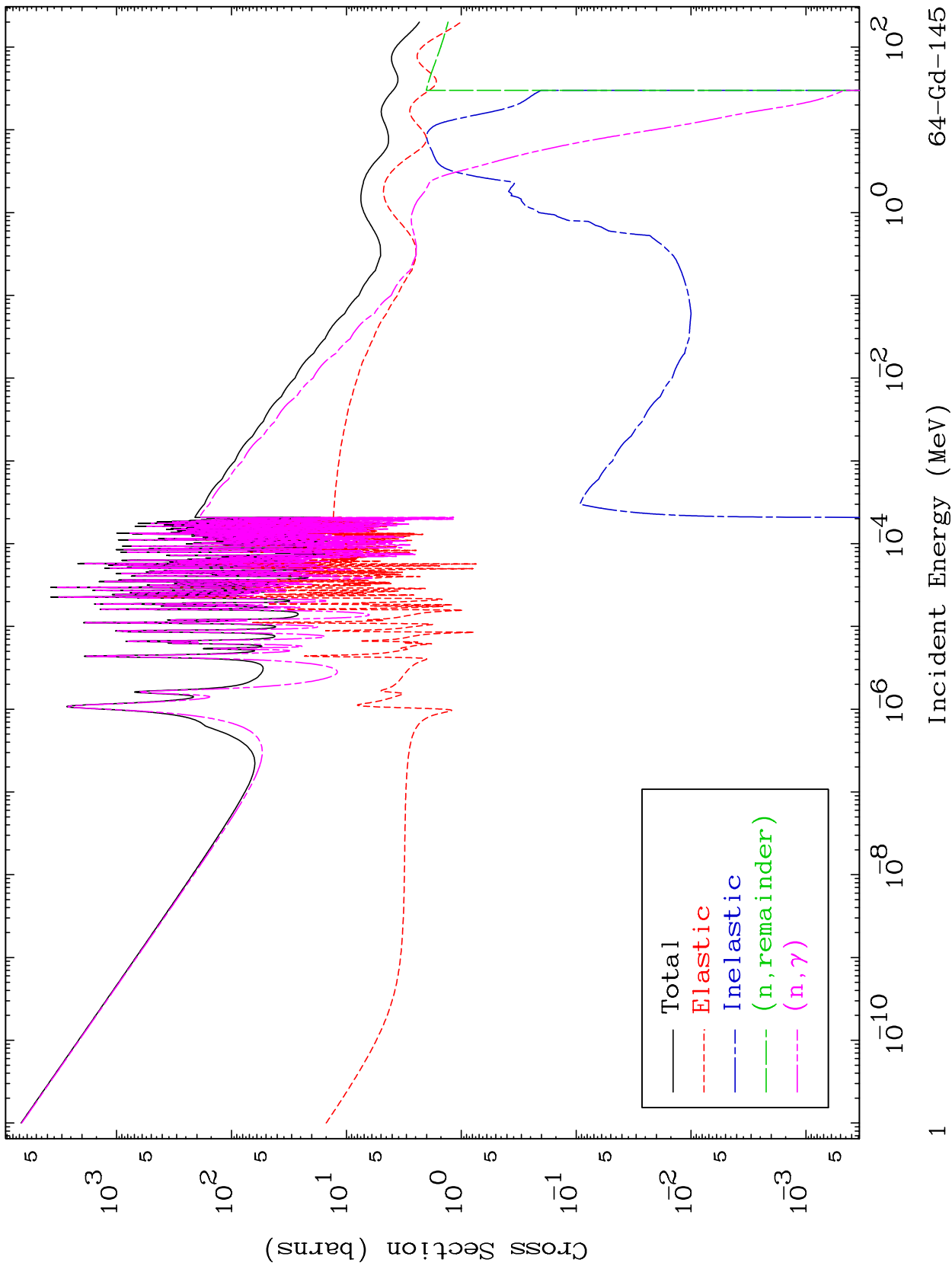
Press Mouse Button to Start

MAT 6405

Major

293 Kelvin Cross Sections

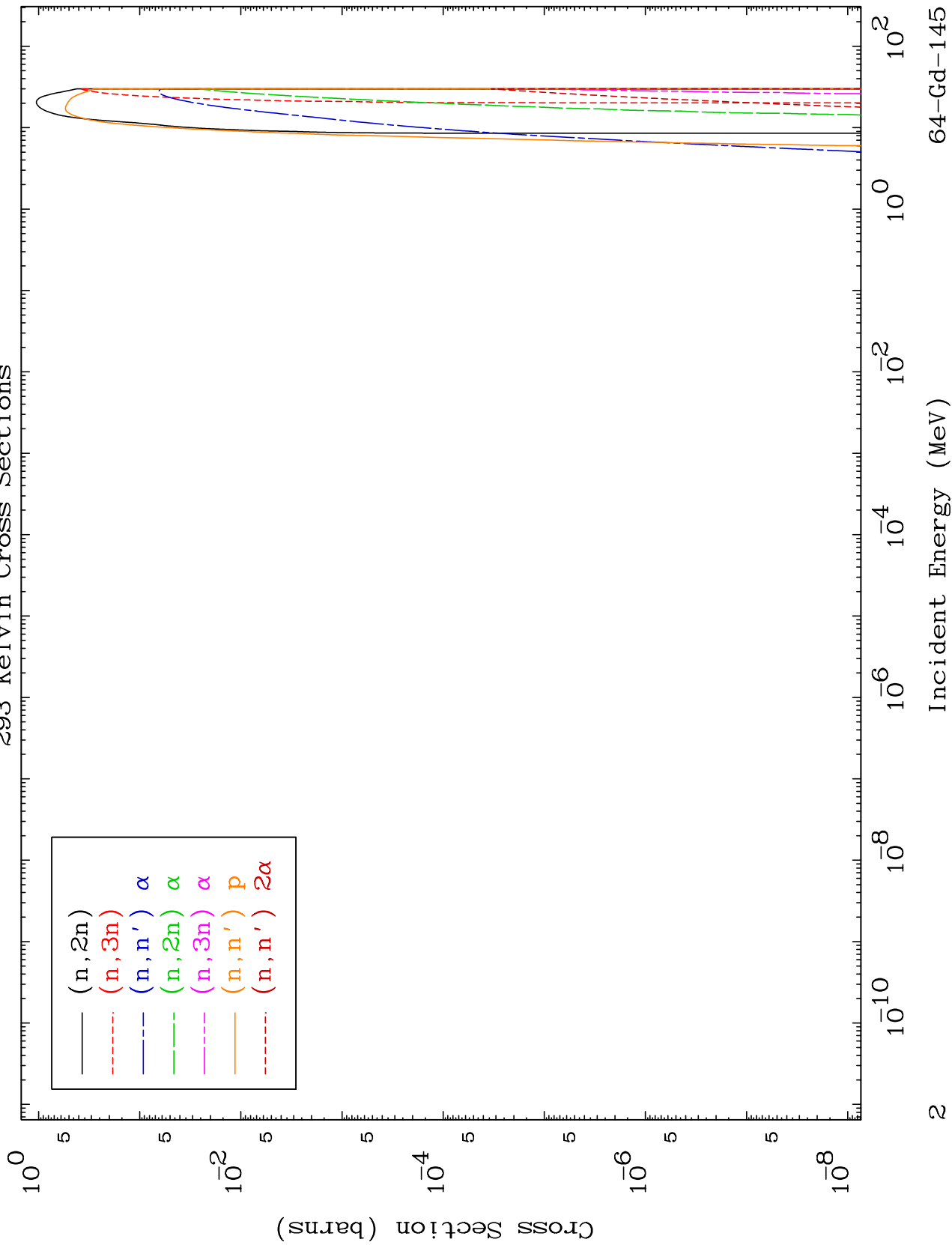
64-Gd-145



MAT 6405

Neutron Production
293 Kelvin Cross Sections

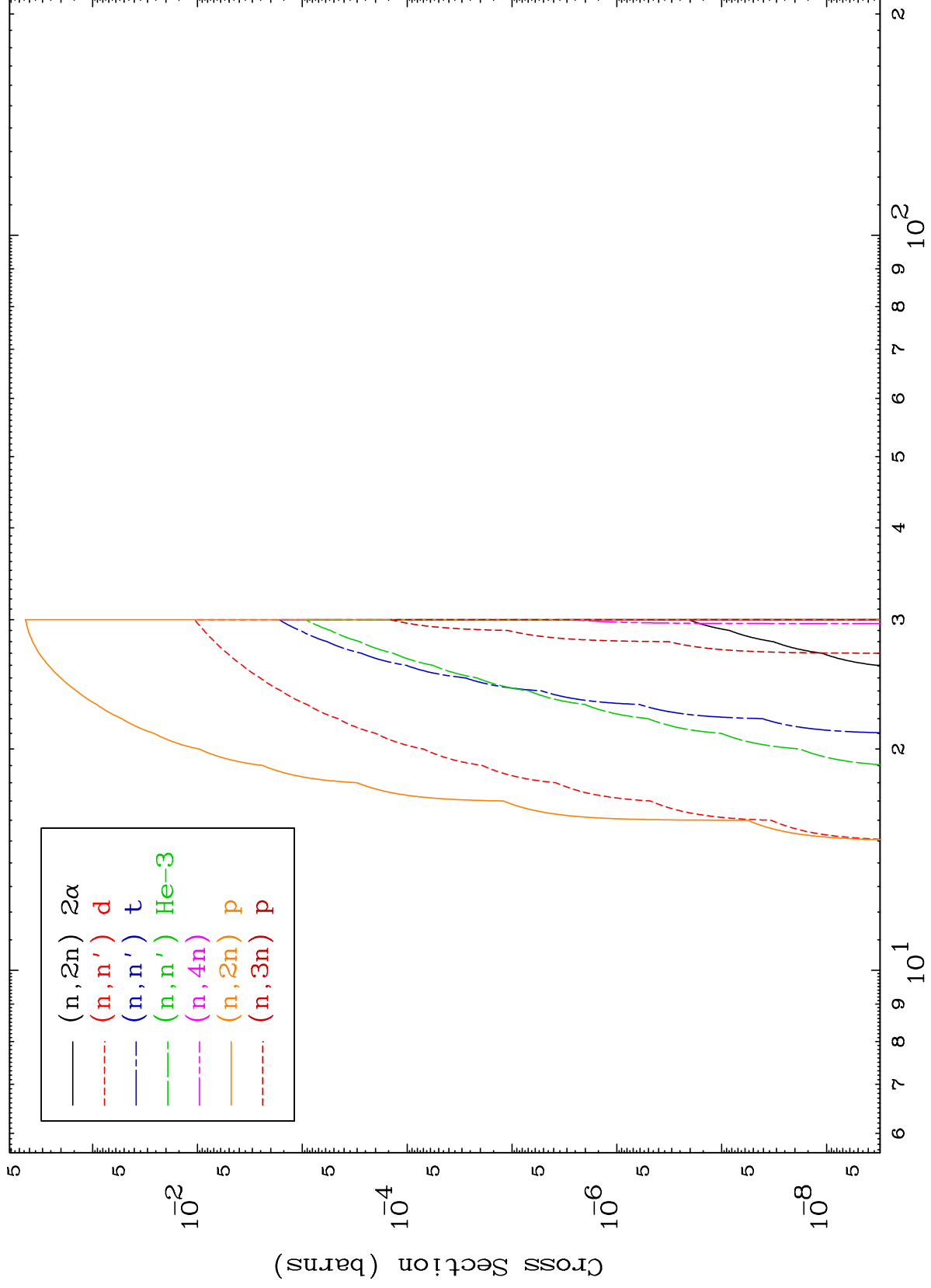
64-Gd-145



MAT 6405

Neutron Production
293 Kelvin Cross Sections

64-Gd-145



3

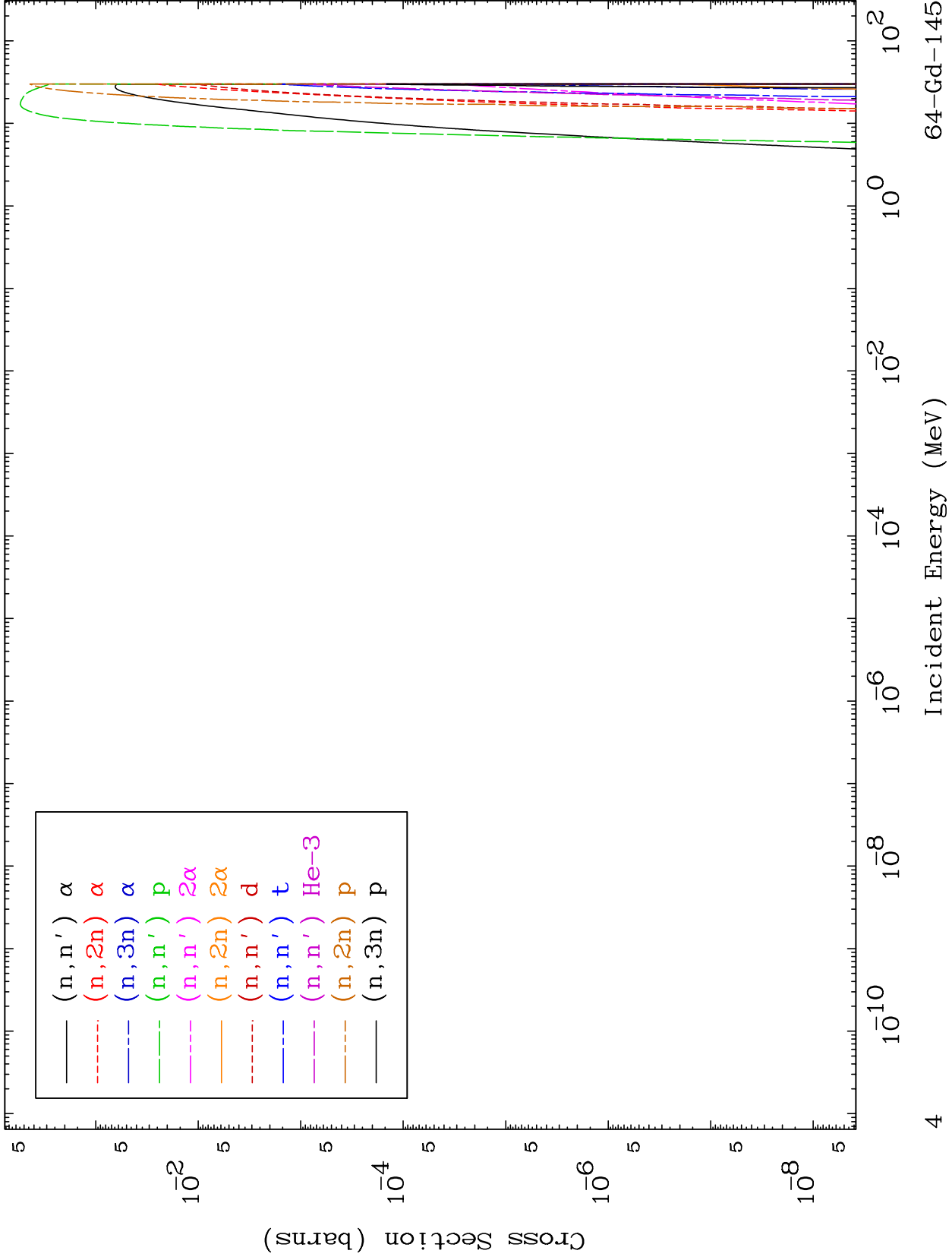
Incident Energy (MeV)

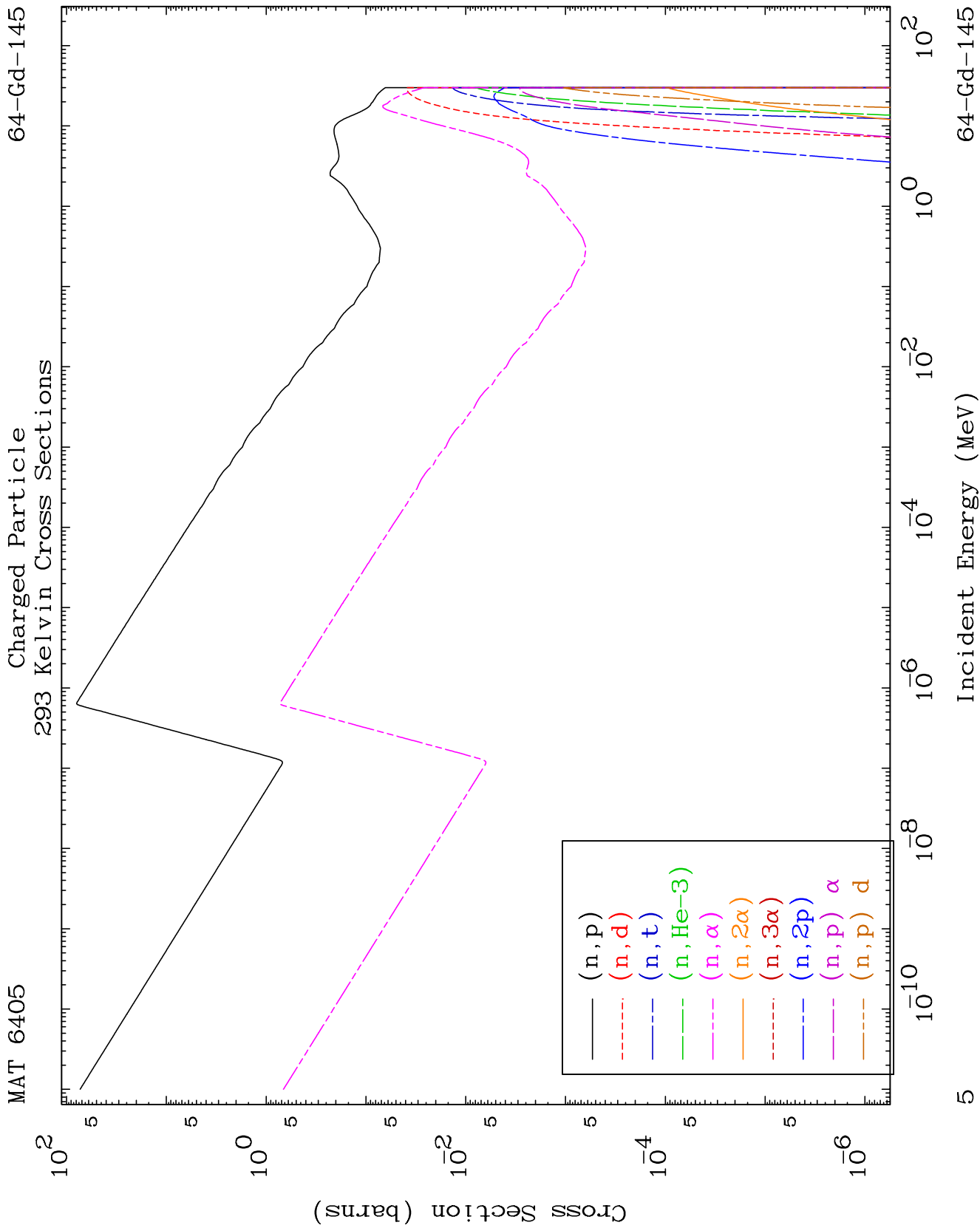
64-Gd-145

MAT 6405

Charged Particle
293 Kelvin Cross Sections

64-Gd-145

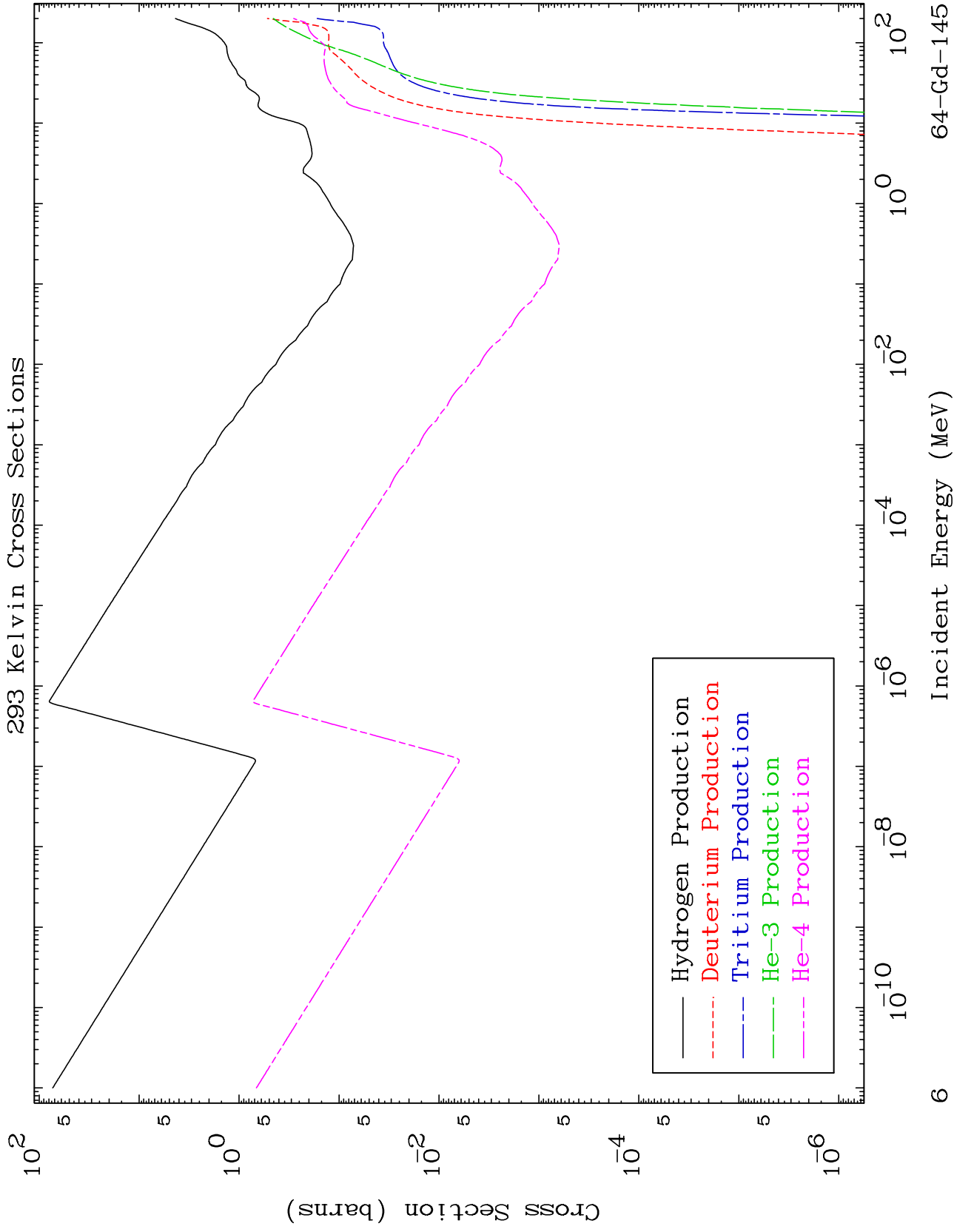




MAT 6405

Particle Production
293 Kelvin Cross Sections

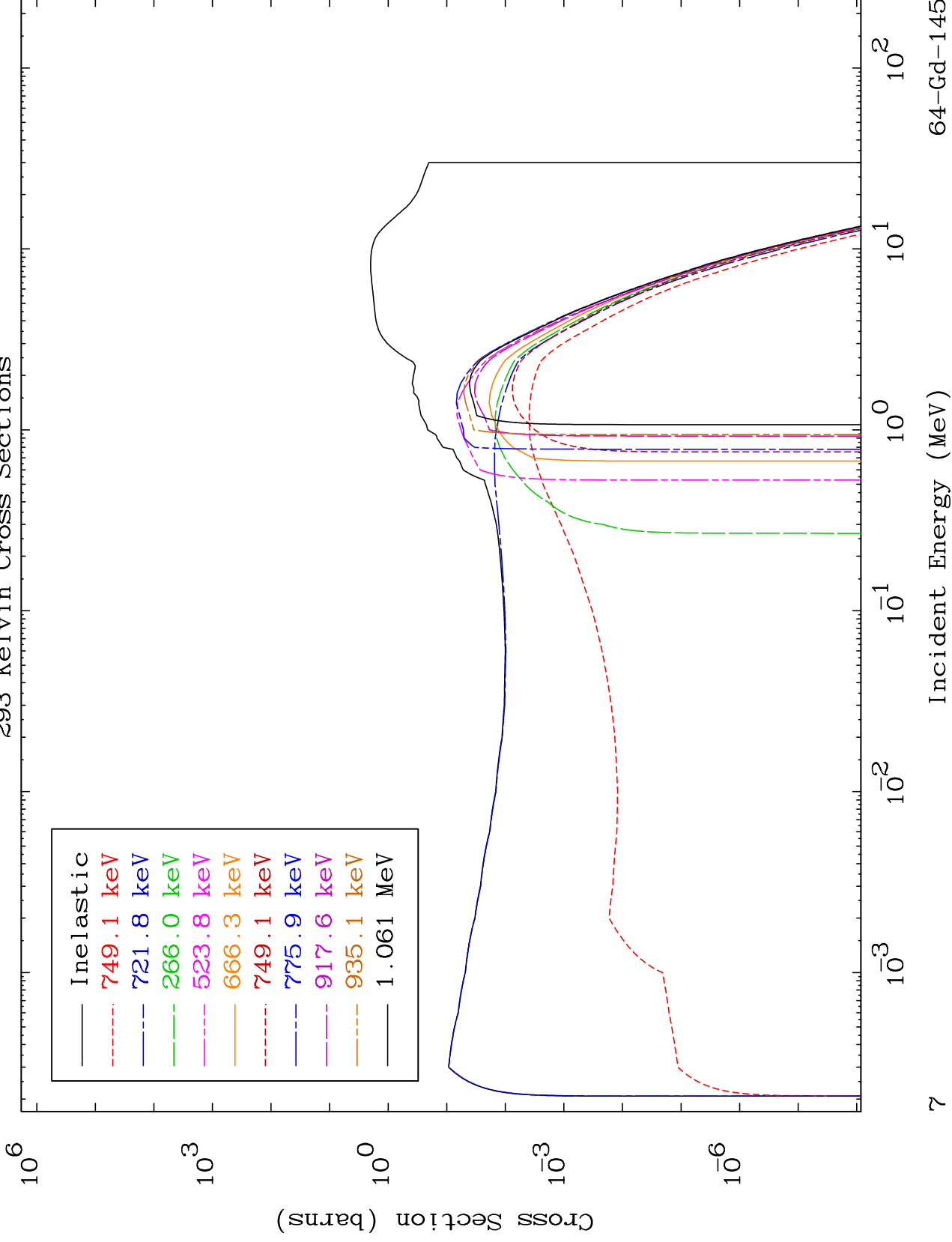
64-Gd-145



MAT 6405

(n,n') Level
293 Kelvin Cross Sections

64-Gd-145

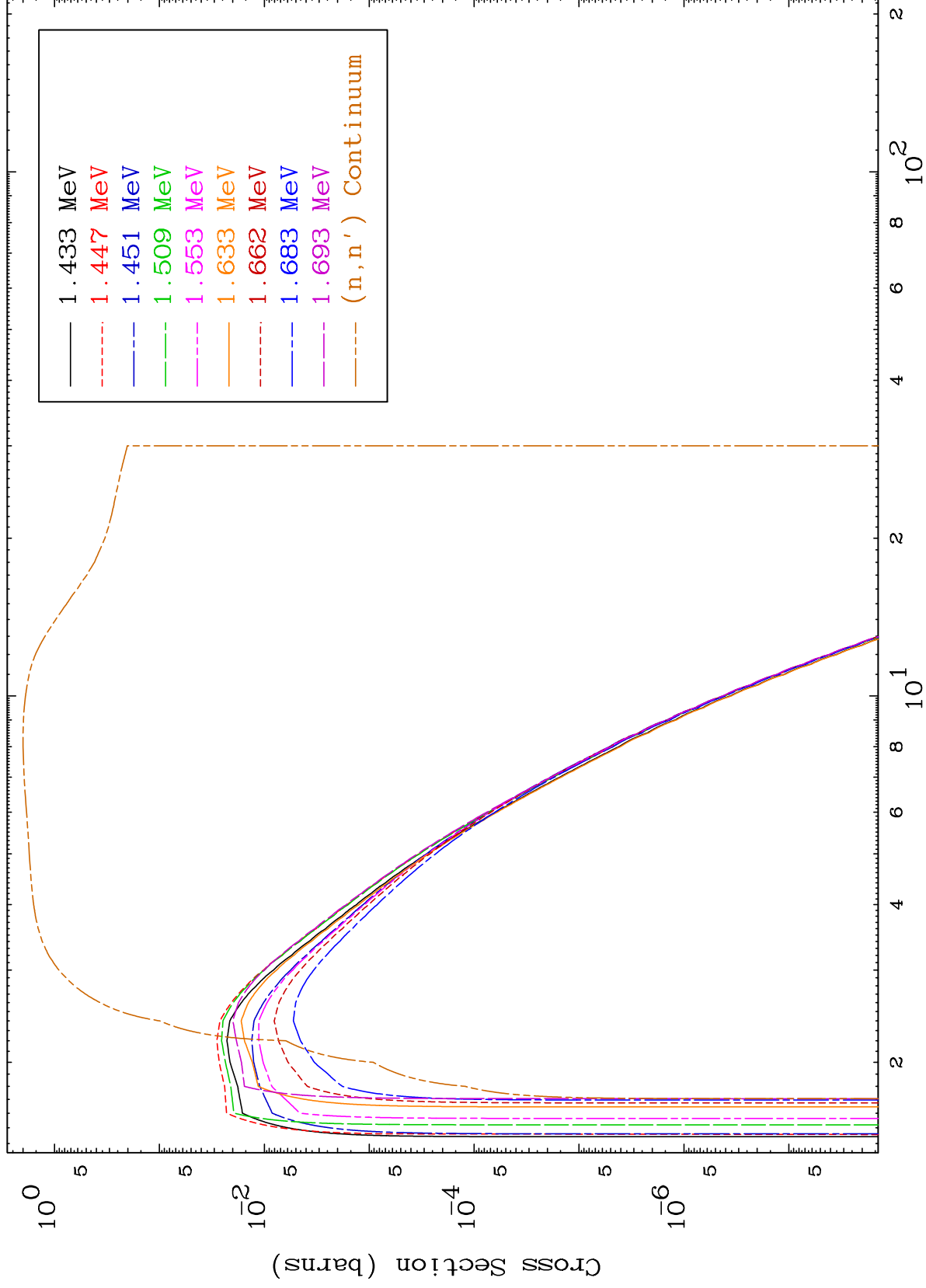


MAT 6405

(n,n') Level

64-Gd-145

293 Kelvin Cross Sections



8

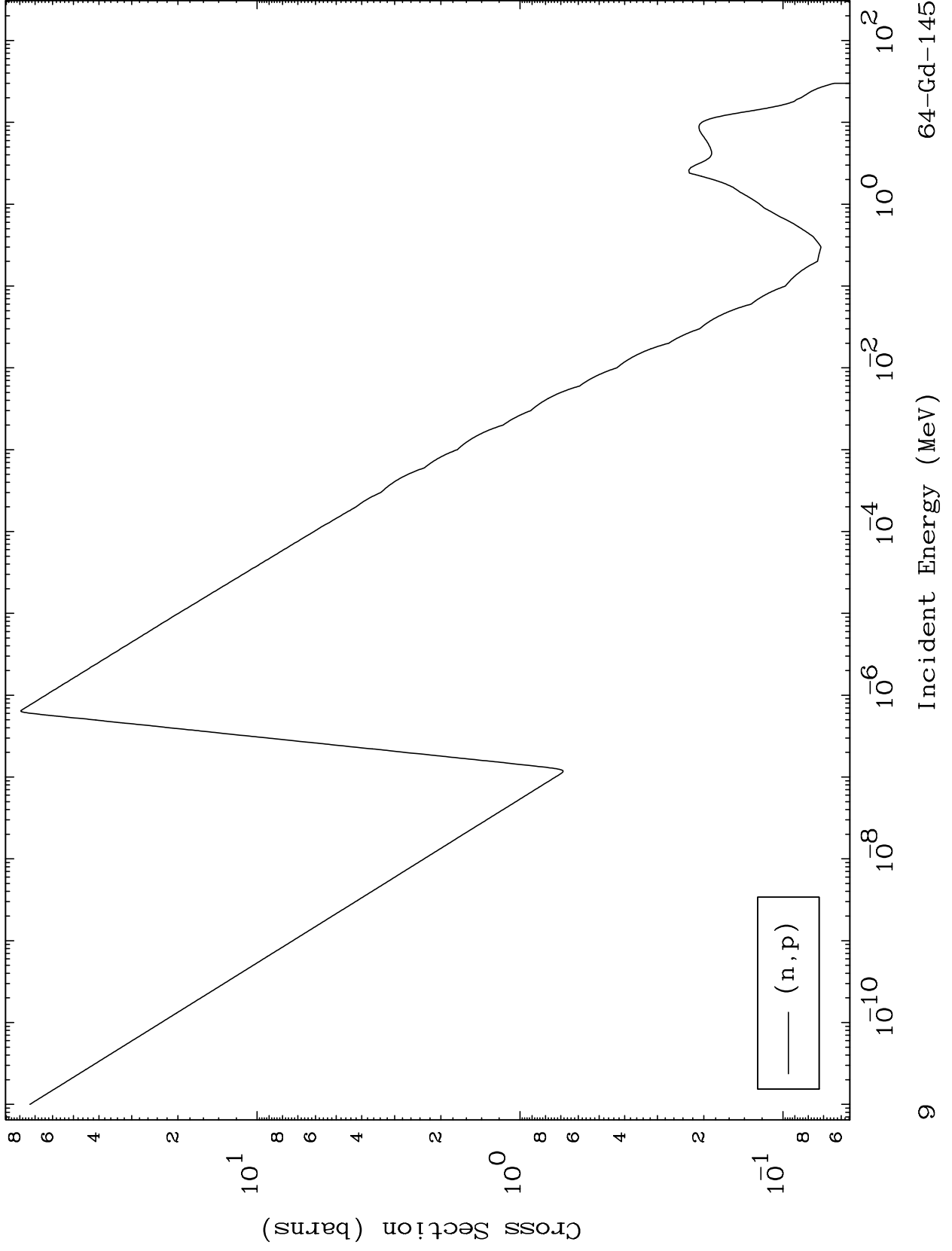
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n,p) Levels
293 Kelvin Cross Sections

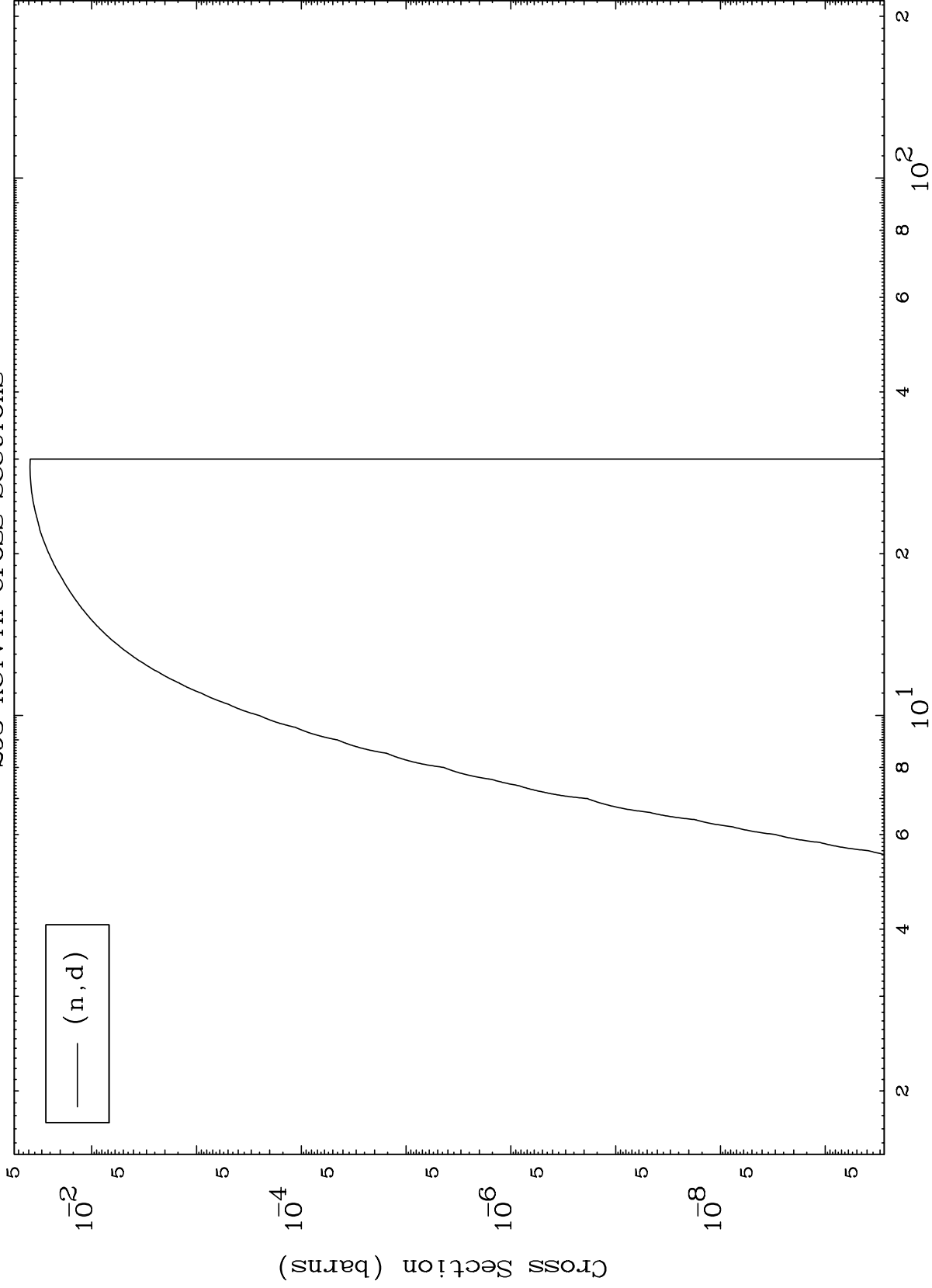
64-Gd-145



MAT 6405

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-145



10

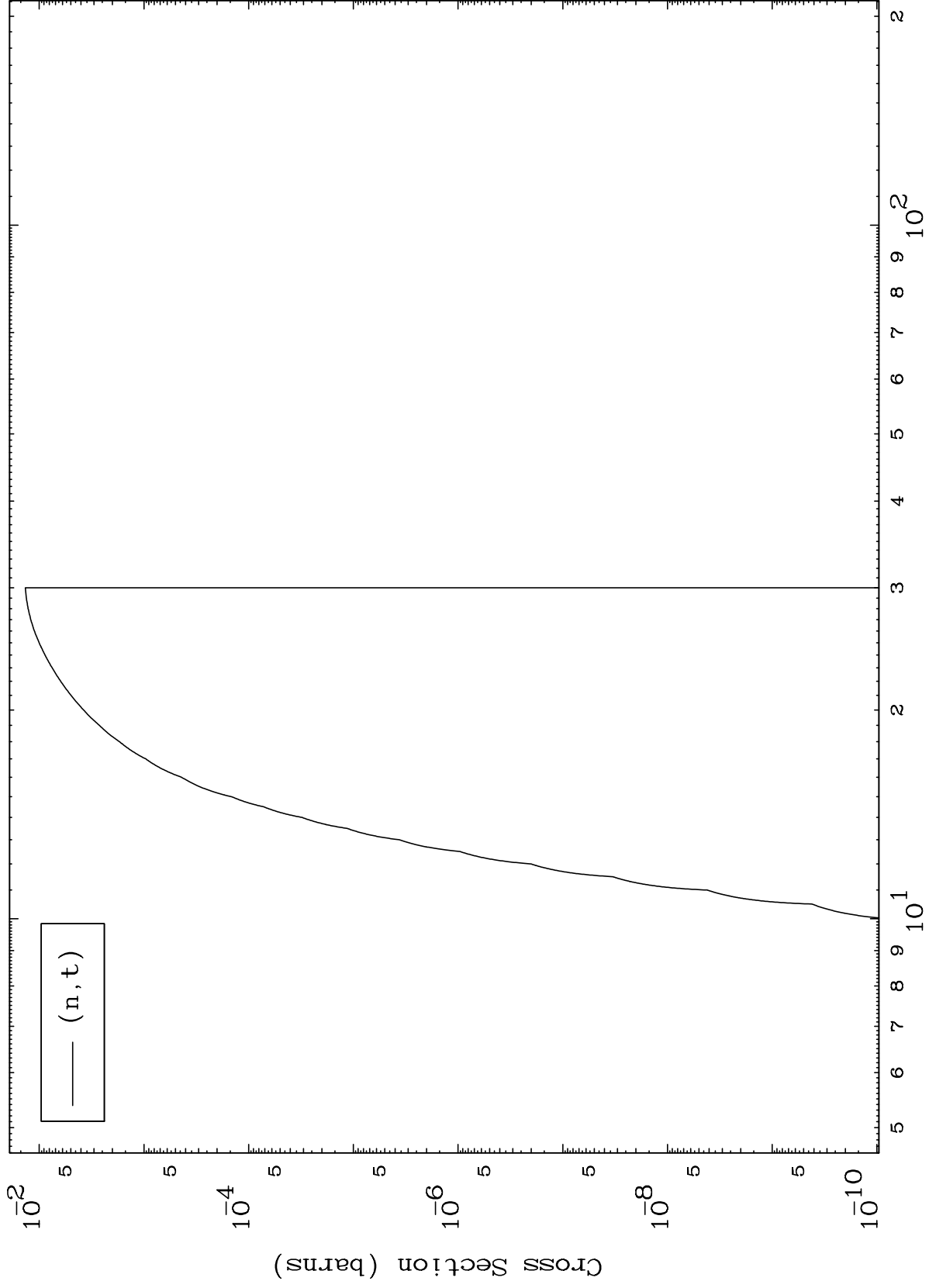
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-145



11

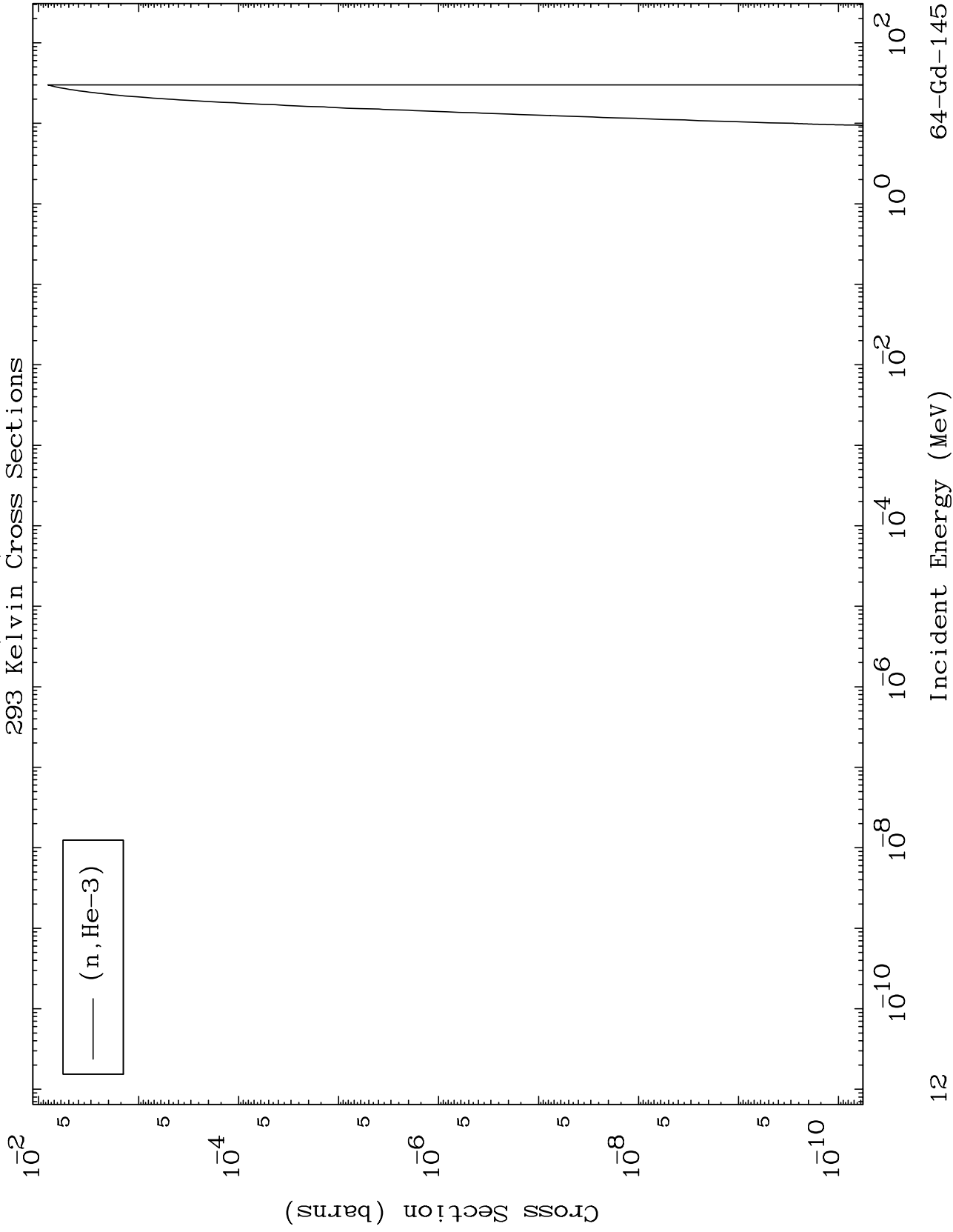
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n,He3) Levels
293 Kelvin Cross Sections

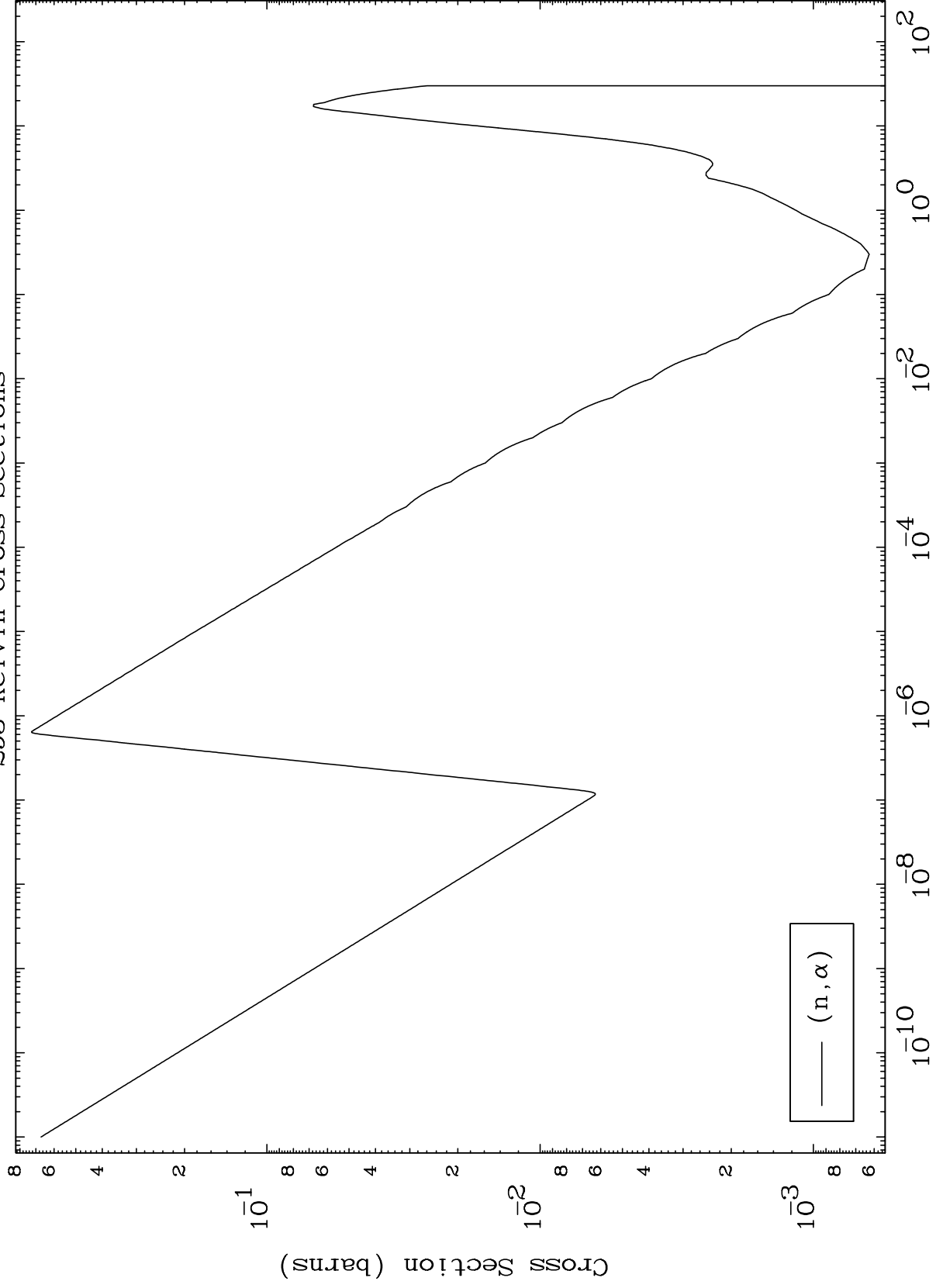
64-Gd-145



MAT 6405

(n, α) Levels
293 Kelvin Cross Sections

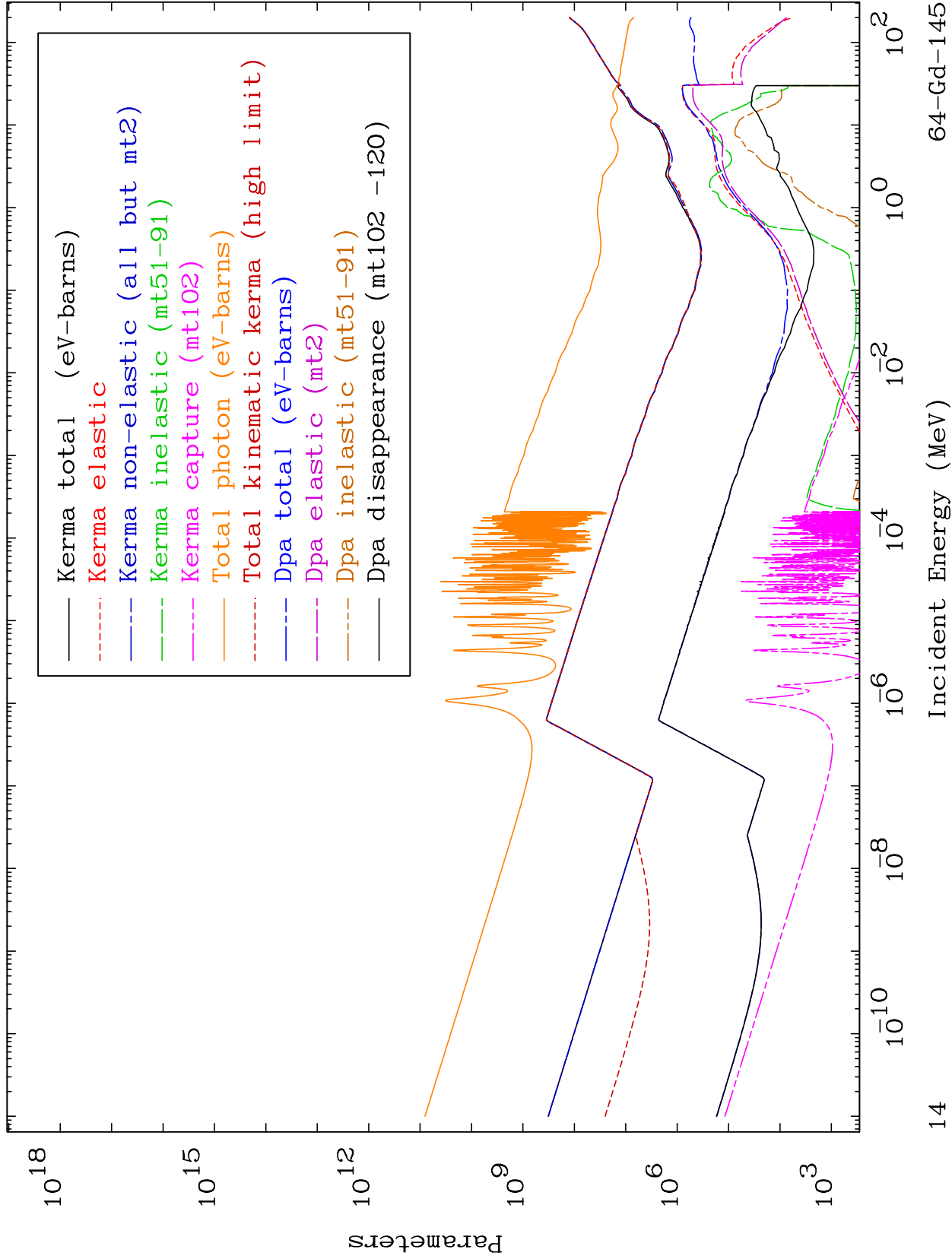
64-Gd-145

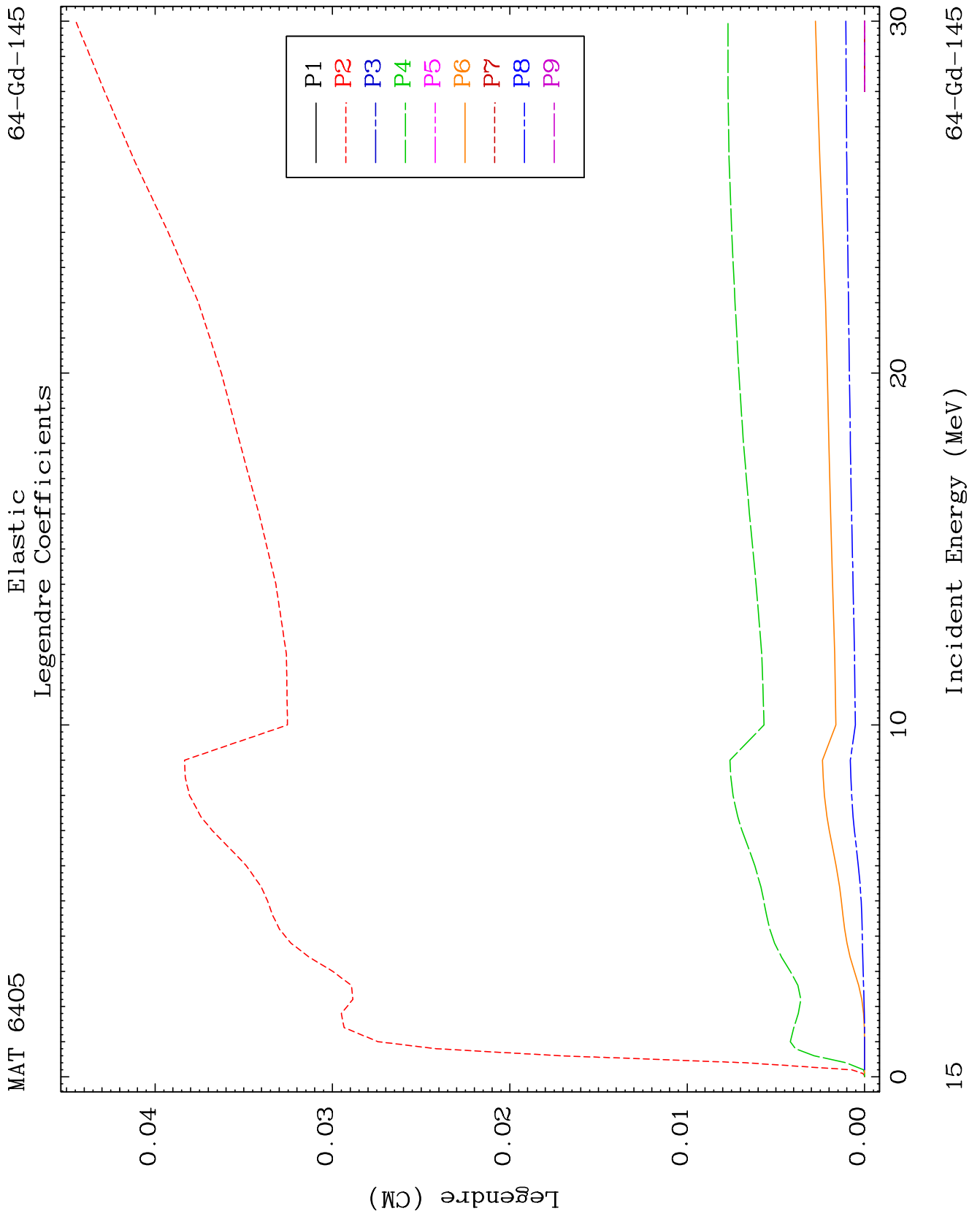


13

Incident Energy (MeV)

64-Gd-145

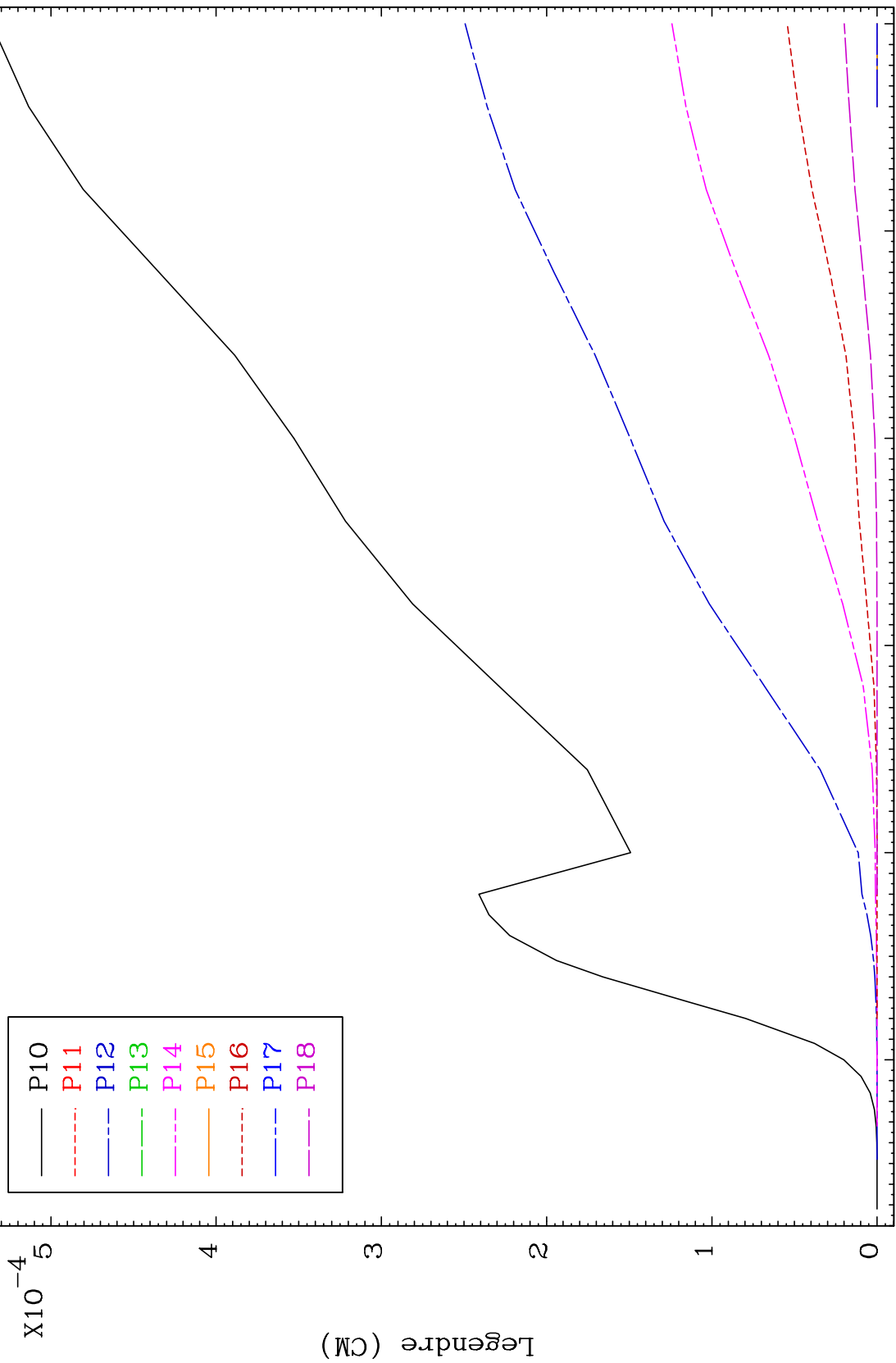
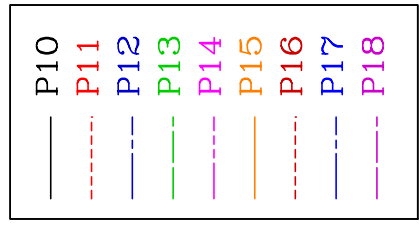




MAT 6405

Elastic Legendre Coefficients

64-Gd-145



16

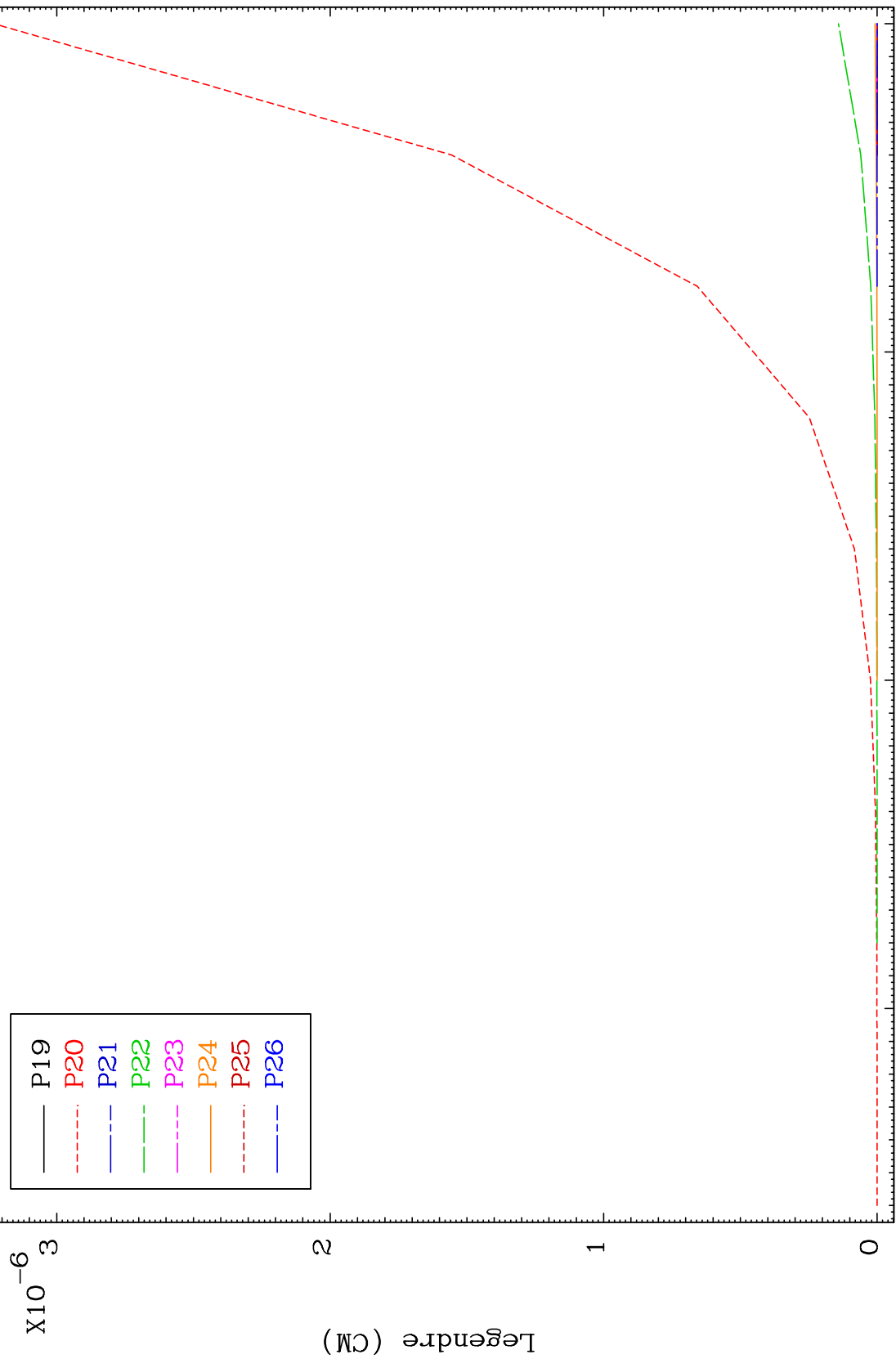
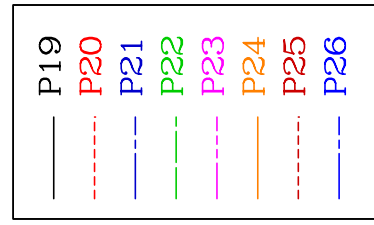
Incident Energy (MeV)

64-Gd-145

MAT 6405

Elastic
Legendre Coefficients

64-Gd-145



17

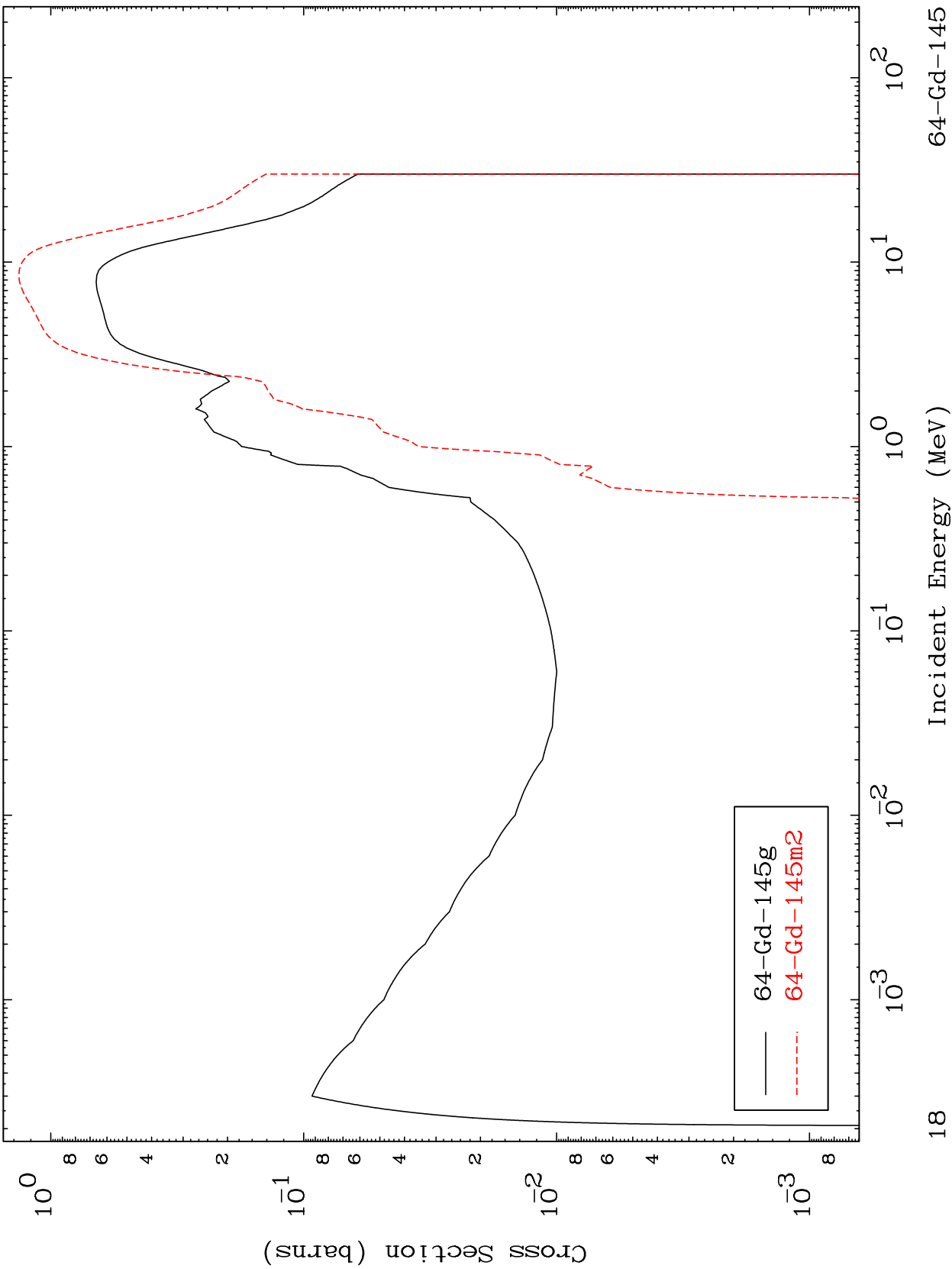
Incident Energy (MeV)

64-Gd-145

MAT 6405

64-Gd-145

Inelastic
Radionuclide Production Cross Section

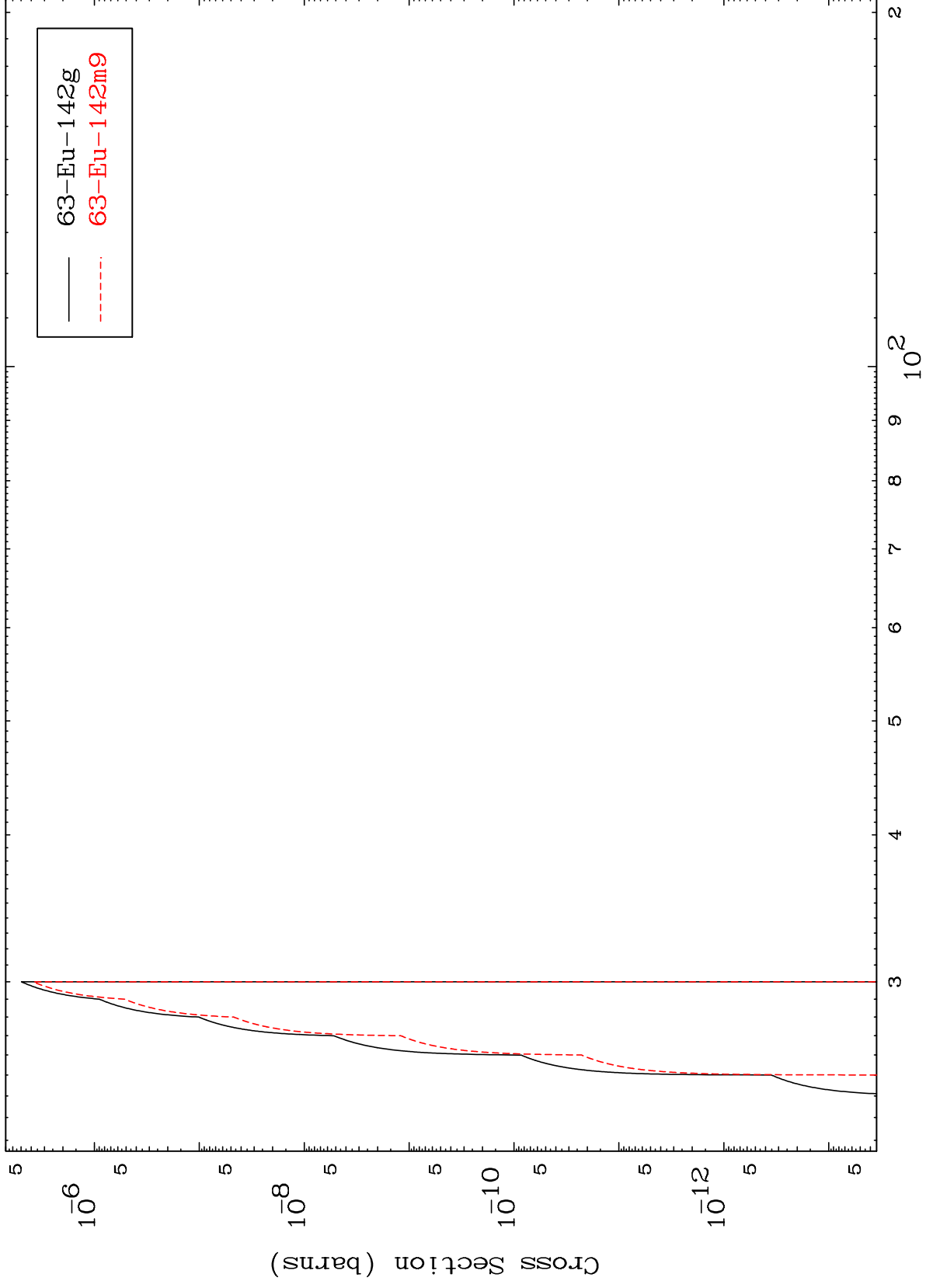


MAT 6405

(n,2n) d

64-Gd-145

Radionuclide Production Cross Section



19

Incident Energy (MeV)

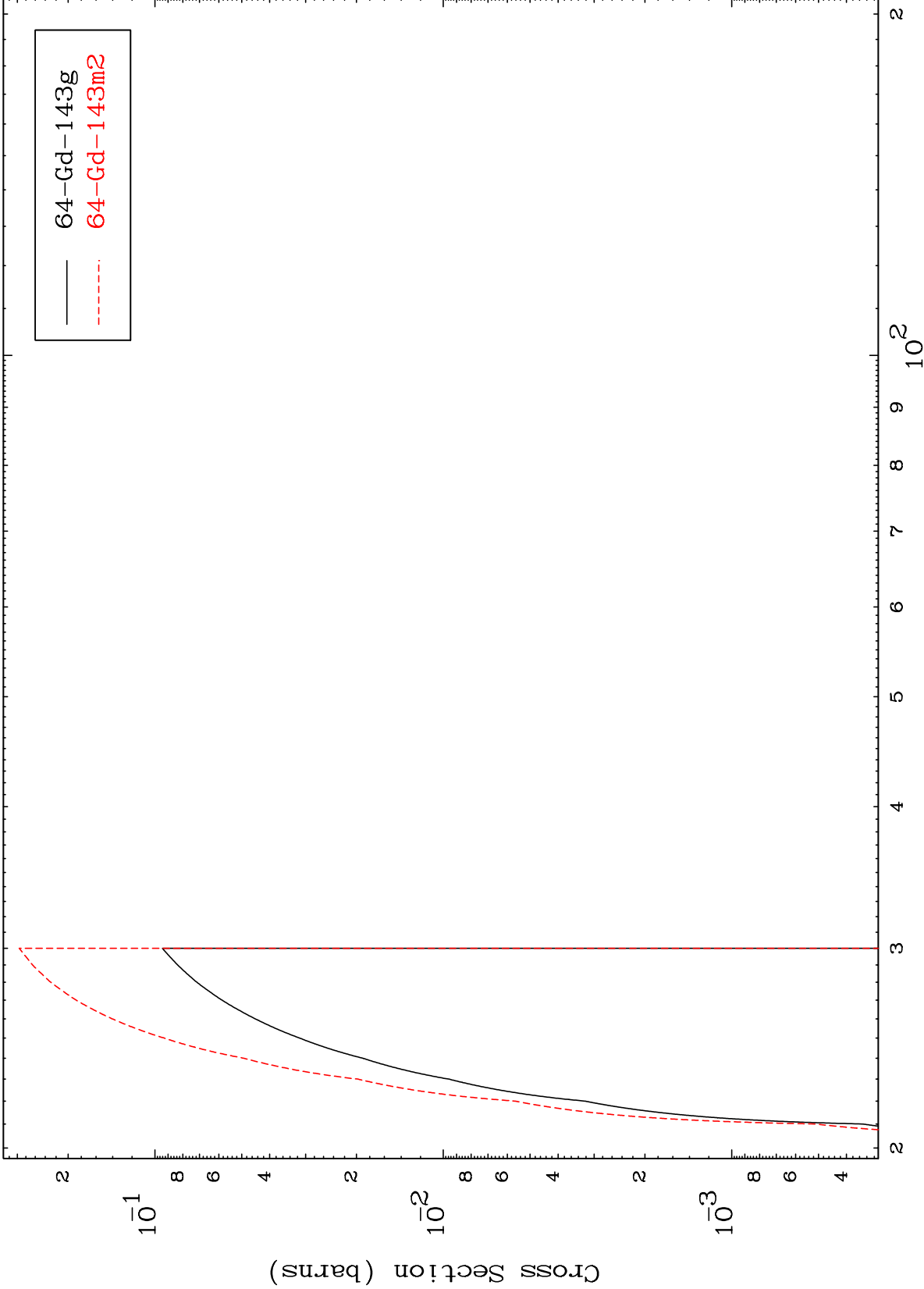
64-Gd-145

MAT 6405

(n,3n)

64-Gd-145

Radionuclide Production Cross Section



20

Incident Energy (MeV)

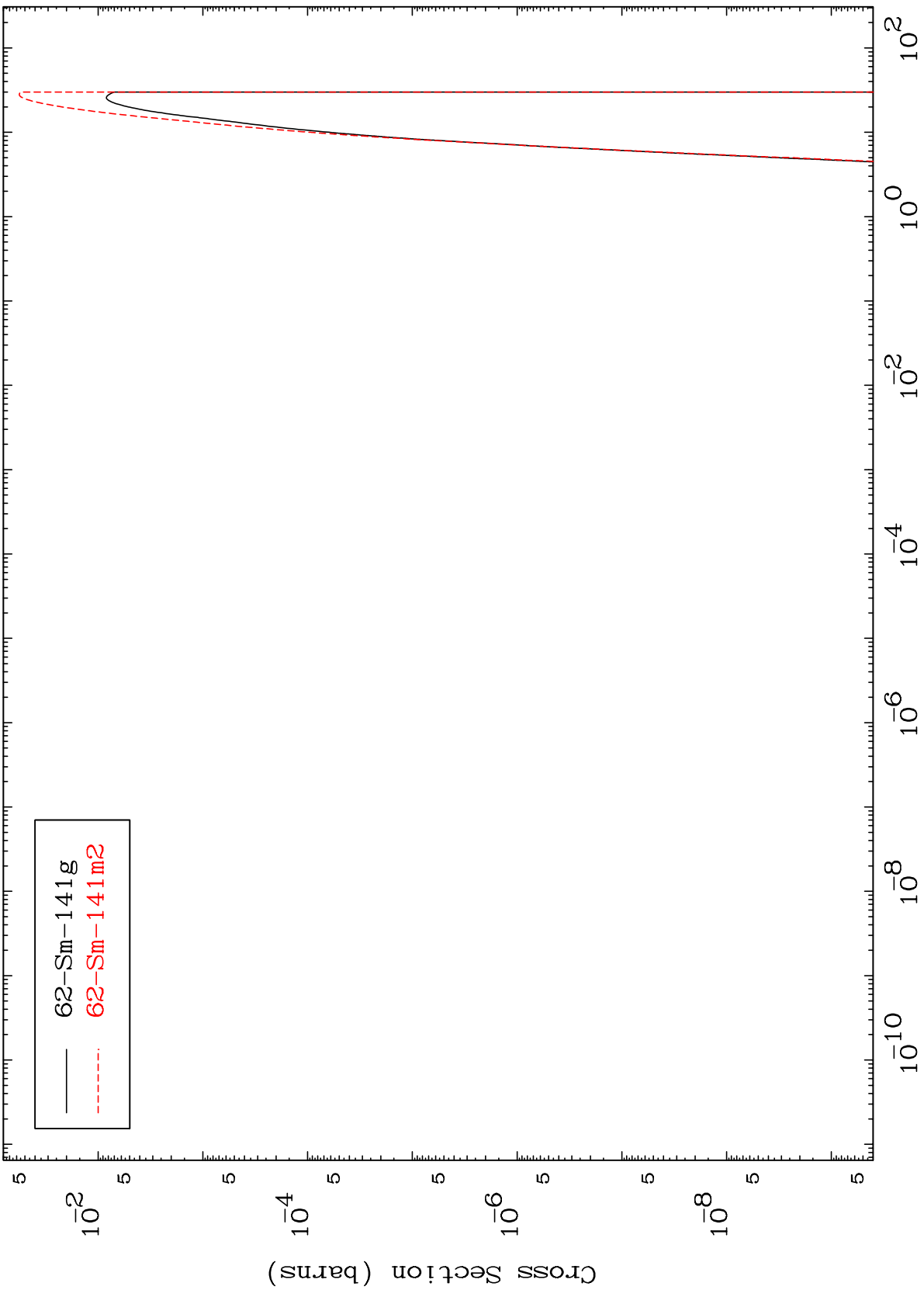
64-Gd-145

MAT 6405

(n, n') α

64-Gd-145

Radionuclide Production Cross Section



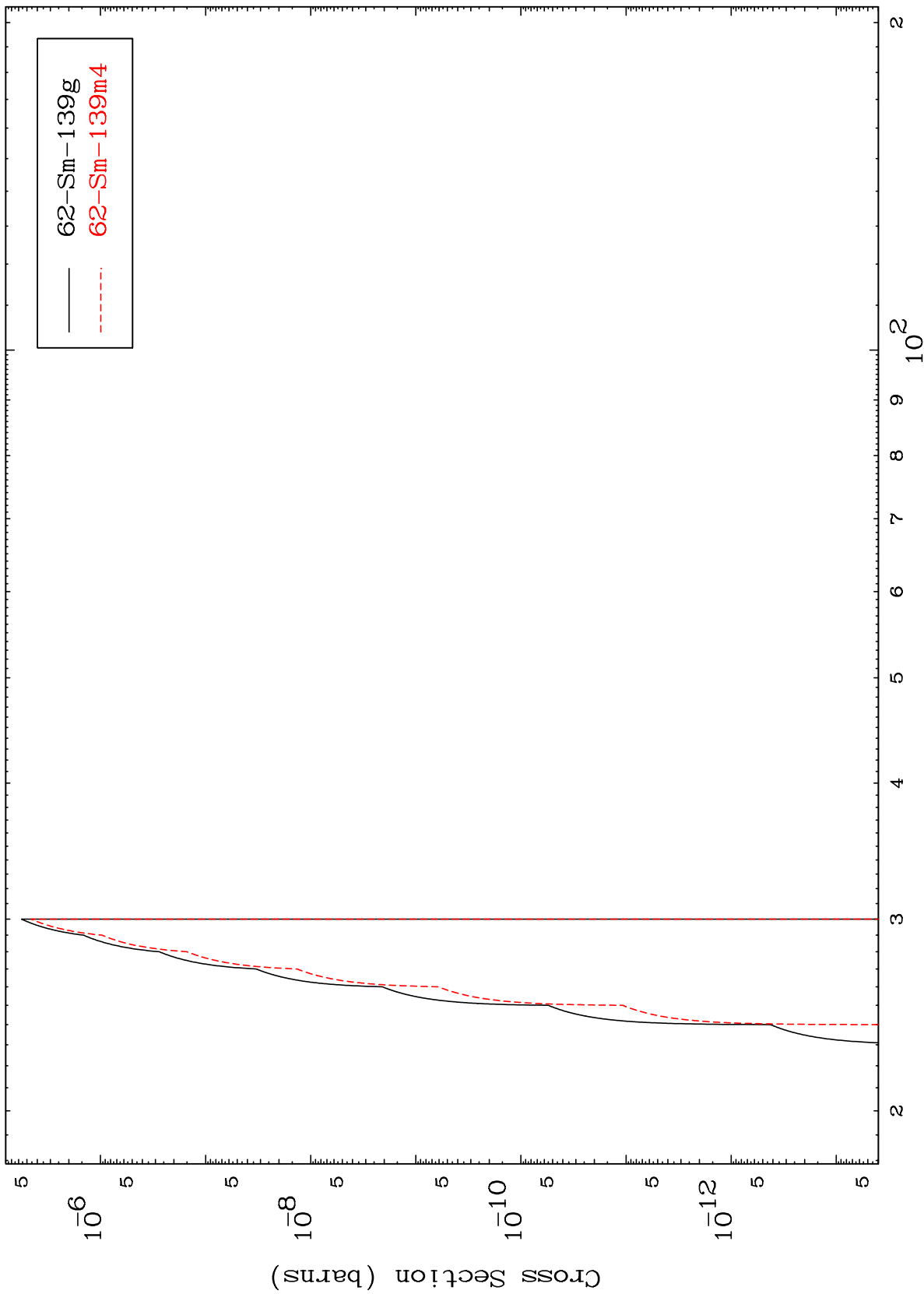
62-Sm-141g
62-Sm-141m2

MAT 6405

$(n,3n) \alpha$

64-Gd-145

Radionuclide Production Cross Section



22

Incident Energy (MeV)

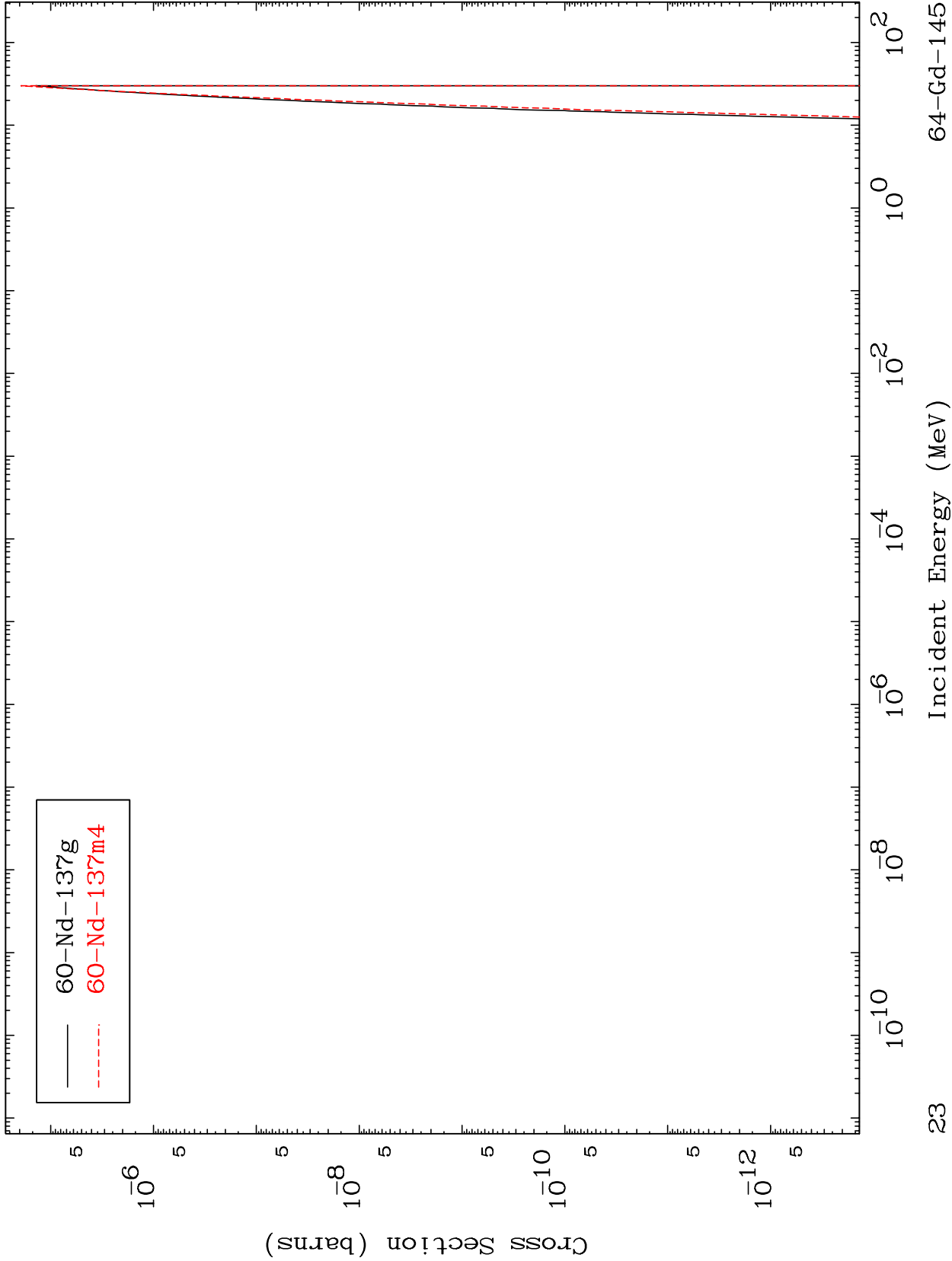
64-Gd-145

MAT 6405

(n,n') 2 α

64-Gd-145

Radionuclide Production Cross Section

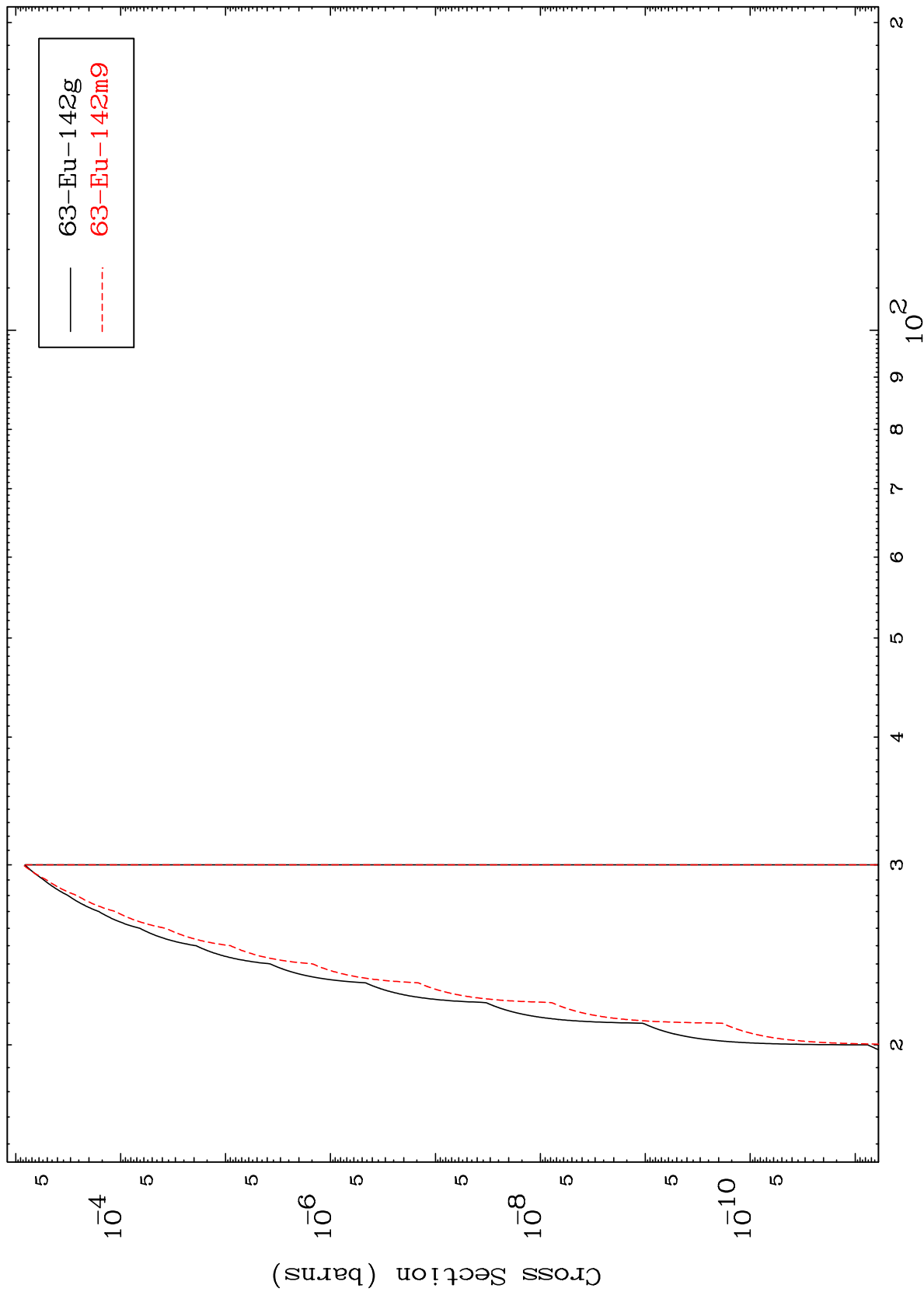


MAT 6405

(n,n') t

64-Gd-145

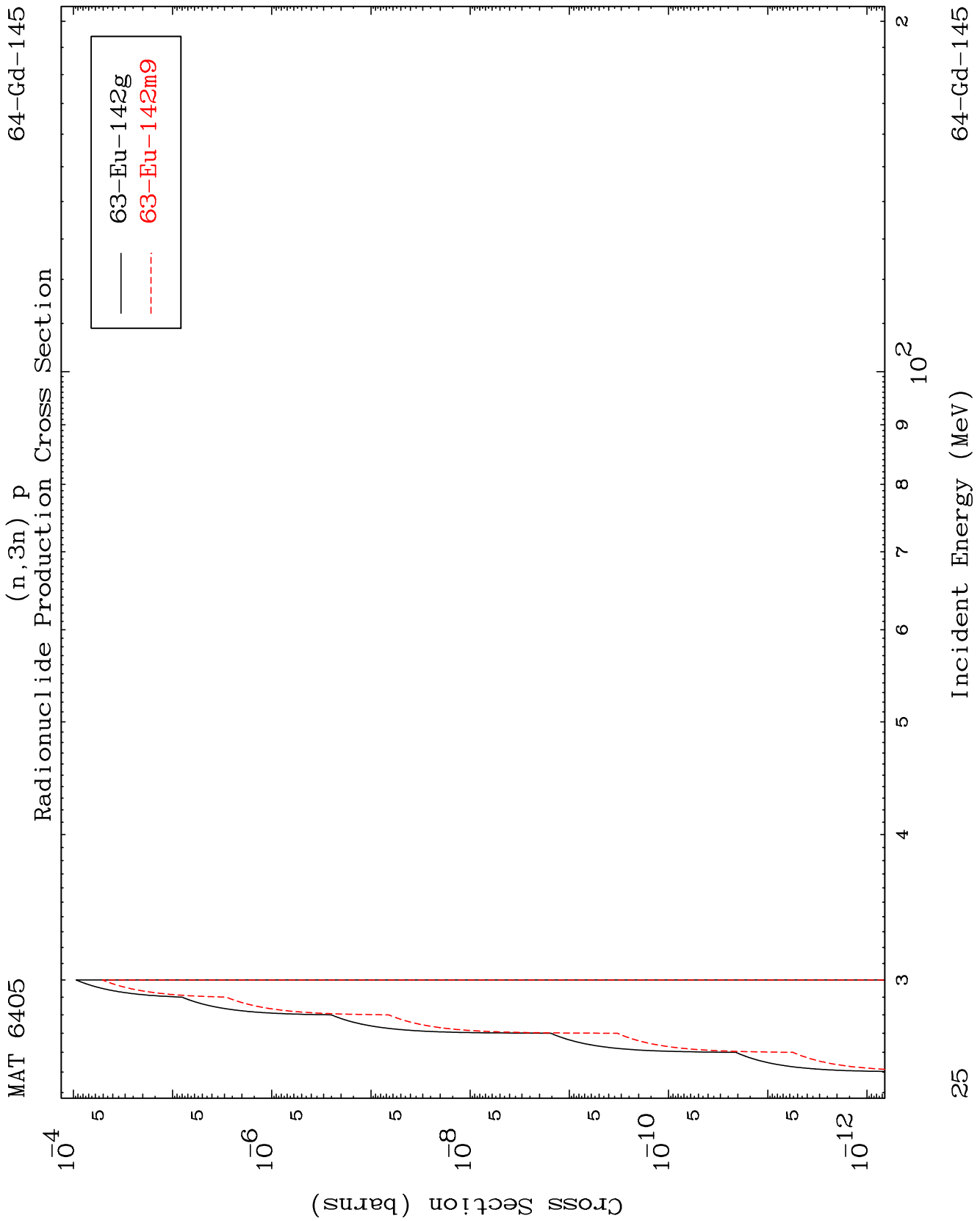
Radionuclide Production Cross Section



24

Incident Energy (MeV)

64-Gd-145

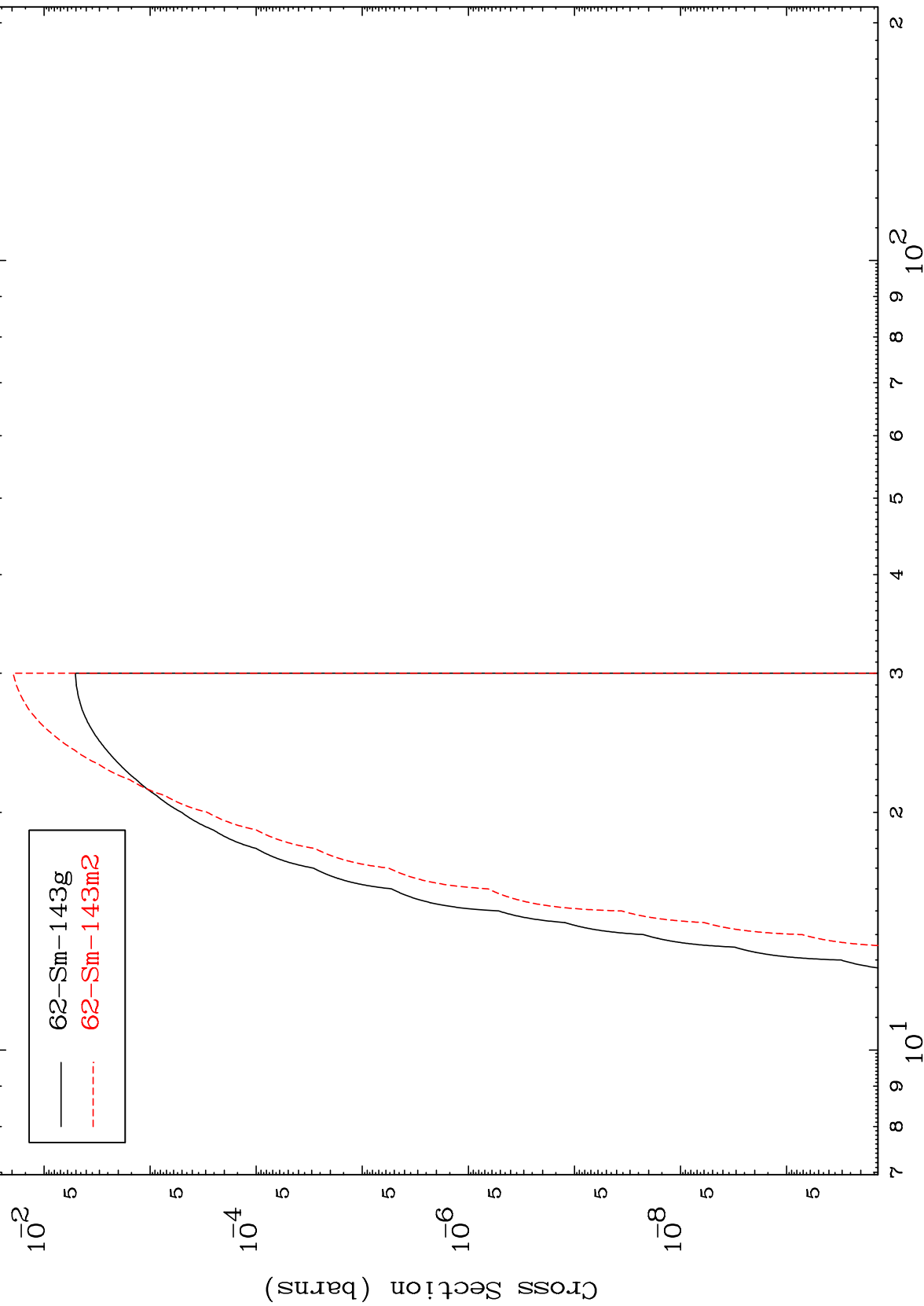


MAT 6405

(n,2n) p

64-Gd-145

Radionuclide Production Cross Section



26

Incident Energy (MeV)

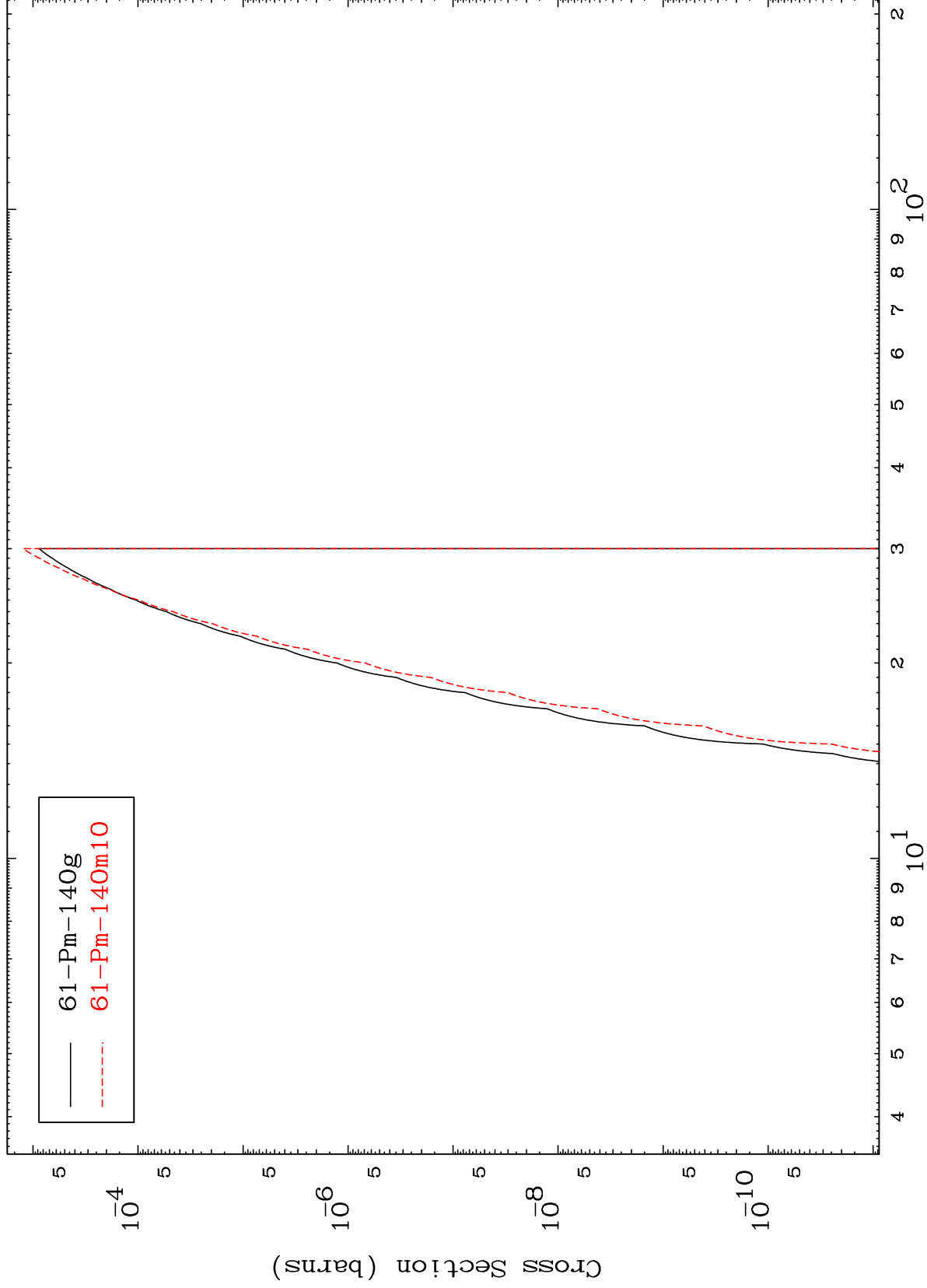
64-Gd-145

MAT 6405

(n,n') p α

64-Gd-145

Radionuclide Production Cross Section



27

Incident Energy (MeV)

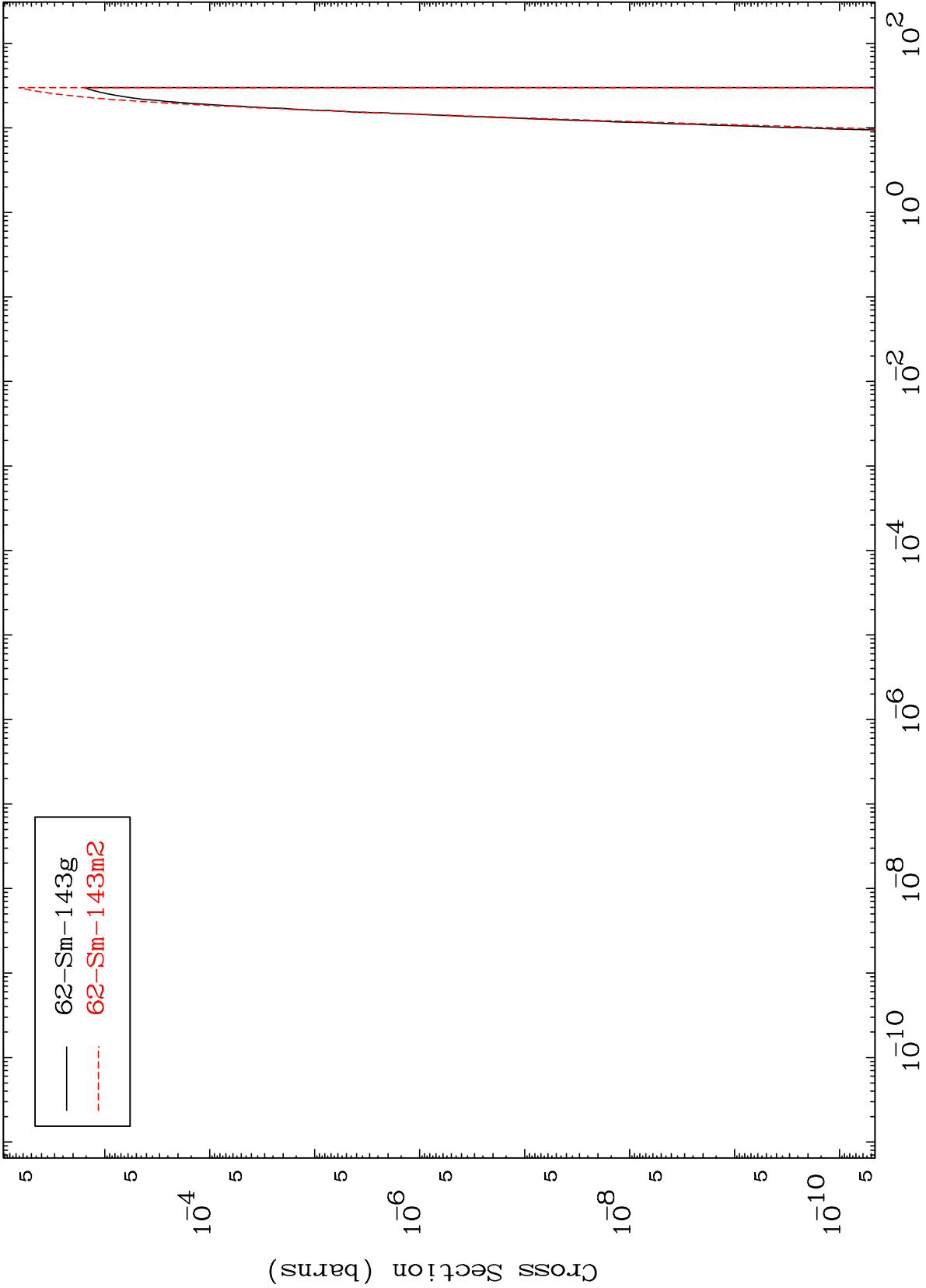
64-Gd-145

MAT 6405

(n,He-3)

64-Gd-145

Radionuclide Production Cross Section



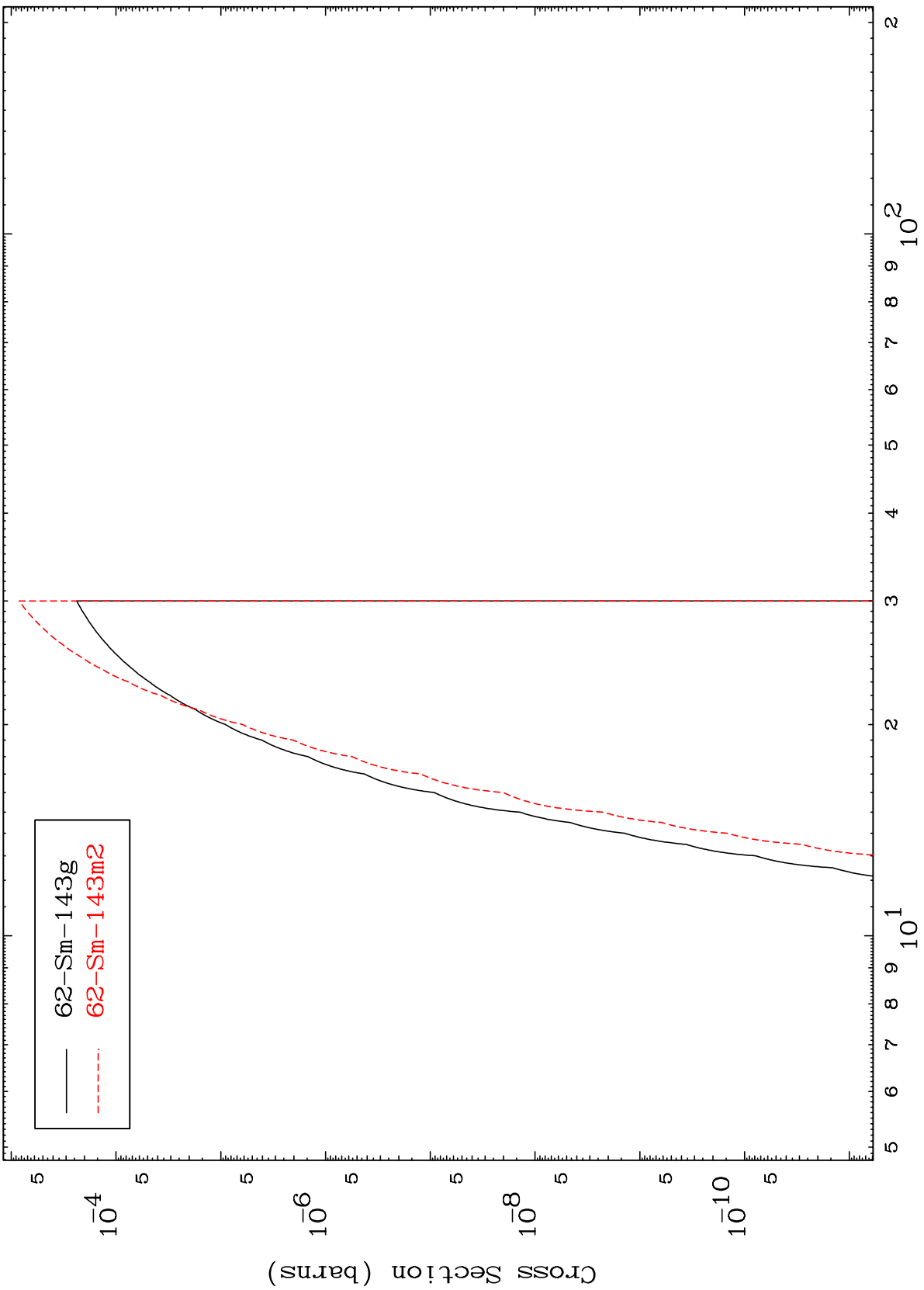
— 62-Sm-143g
- - - 62-Sm-143m2

MAT 6405

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



29

Incident Energy (MeV)

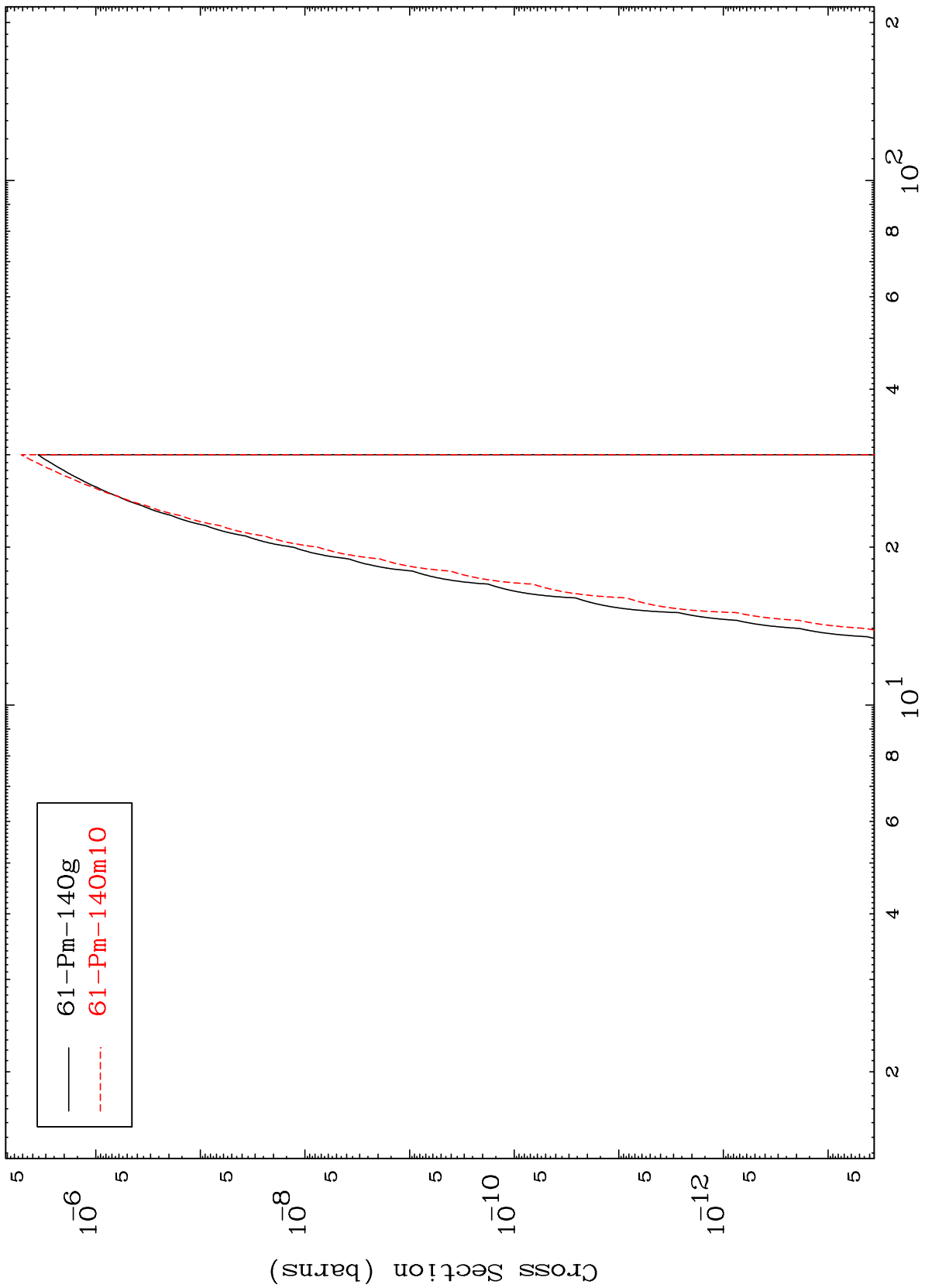
64-Gd-145

MAT 6405

(n,d) α

64-Gd-145

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

30

Incident Energy (MeV)

64-Gd-145