

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

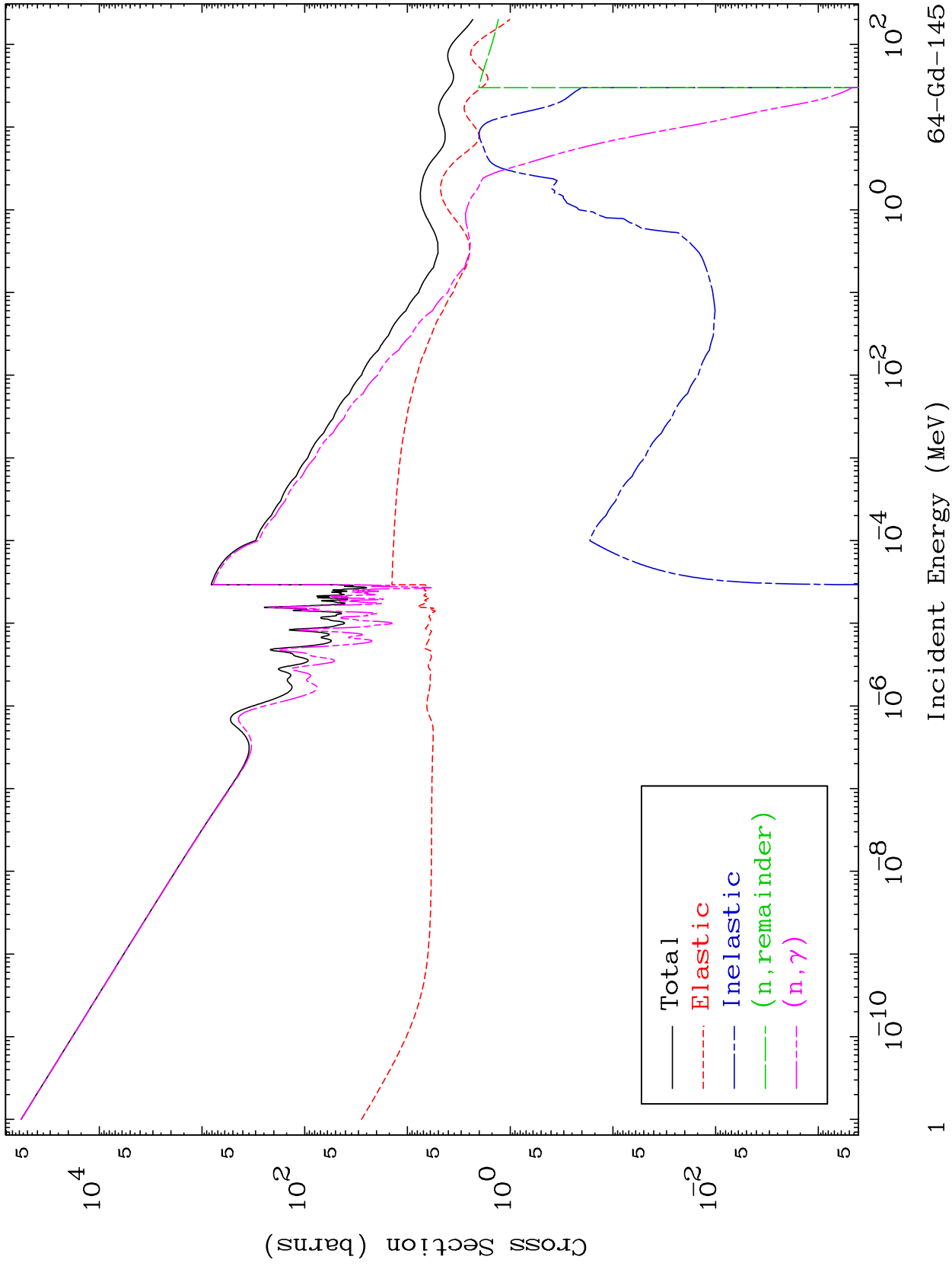
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6405

Major
293 Kelvin Cross Sections

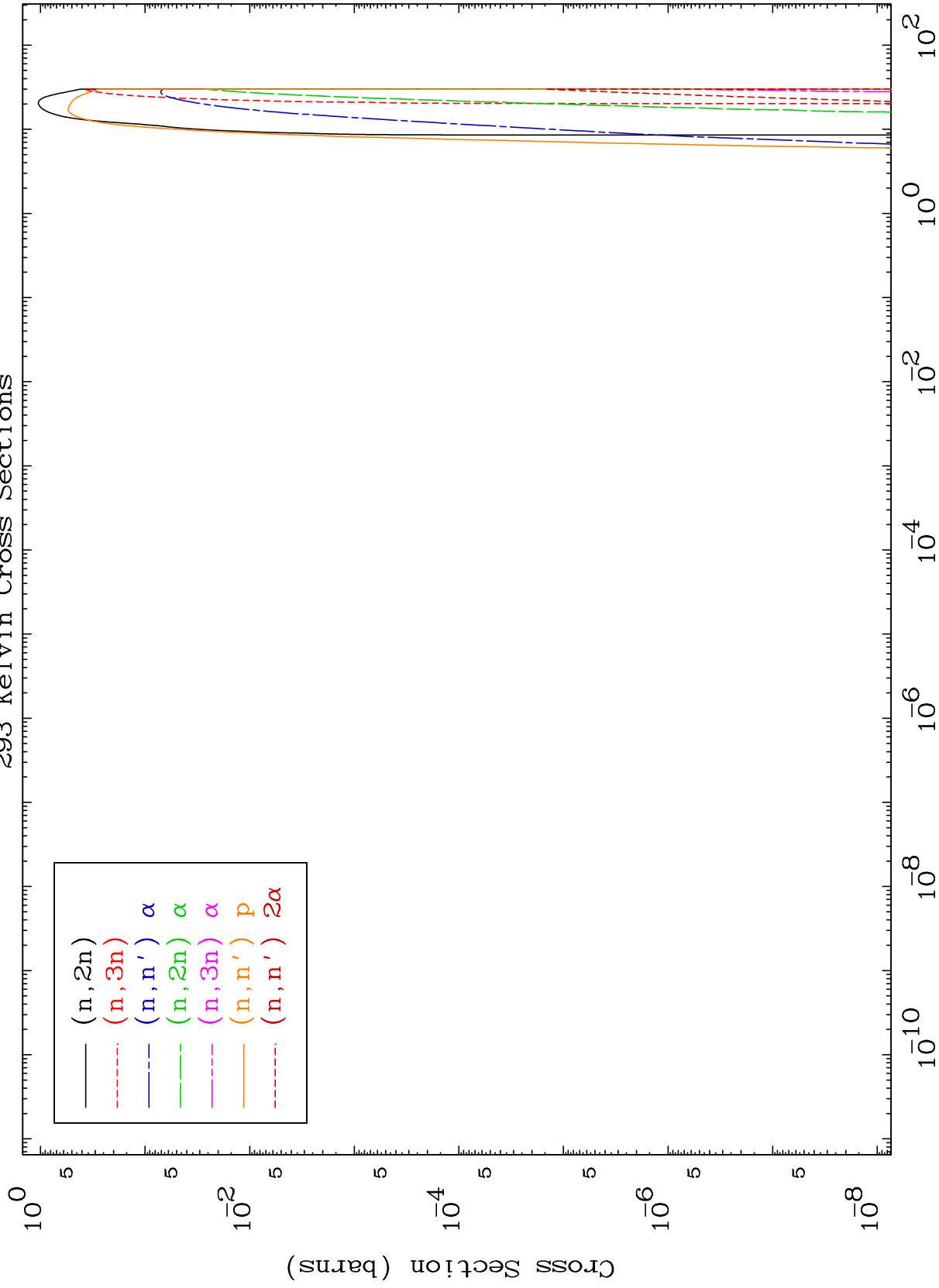
64-Gd-145



MAT 6405

Neutron Production
293 Kelvin Cross Sections

64-Gd-145



2

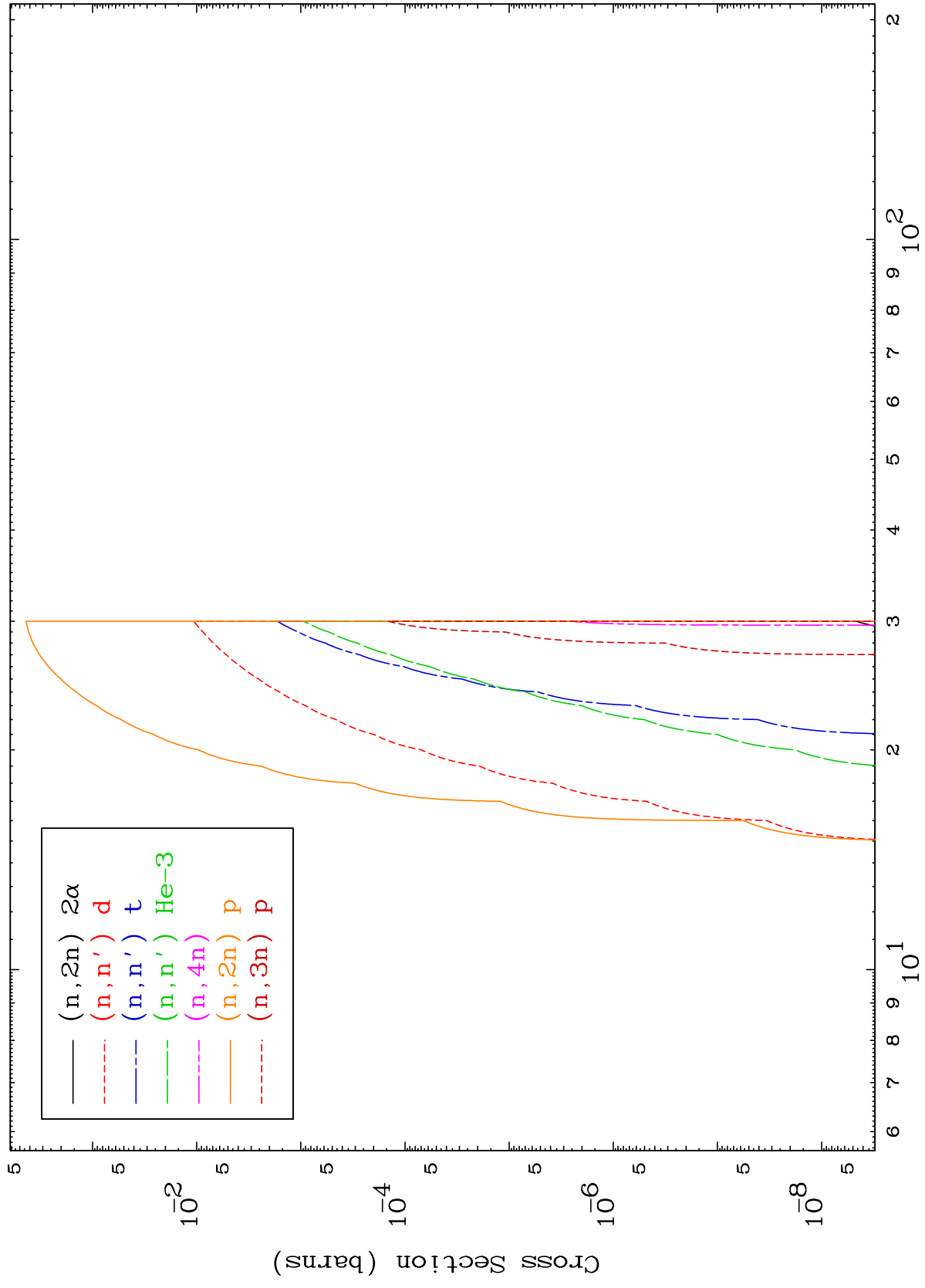
Incident Energy (MeV)

64-Gd-145

MAT 6405

Neutron Production
293 Kelvin Cross Sections

64-Gd-145



3

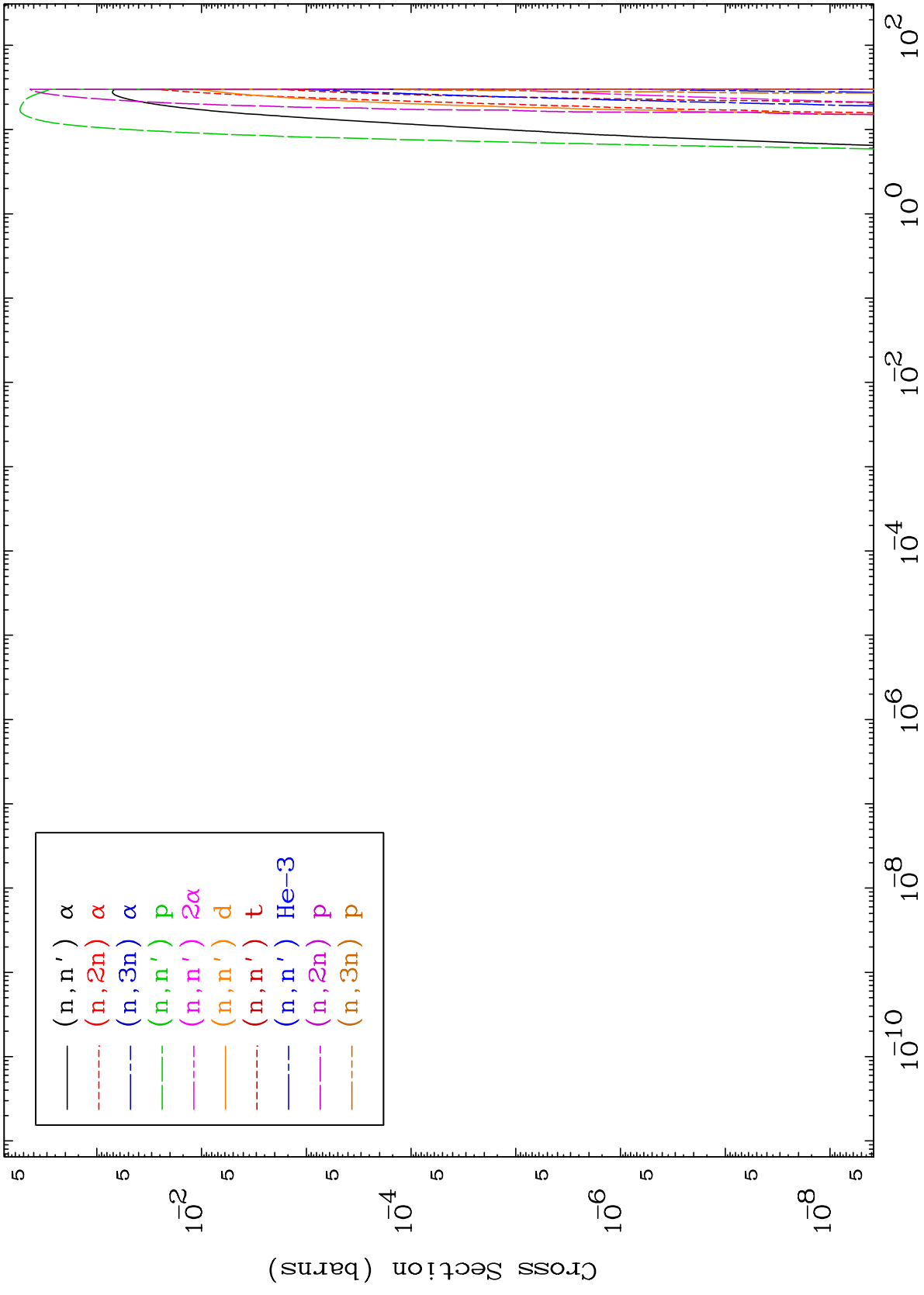
Incident Energy (MeV)

64-Gd-145

MAT 6405

Charged Particle
293 Kelvin Cross Sections

64-Gd-145

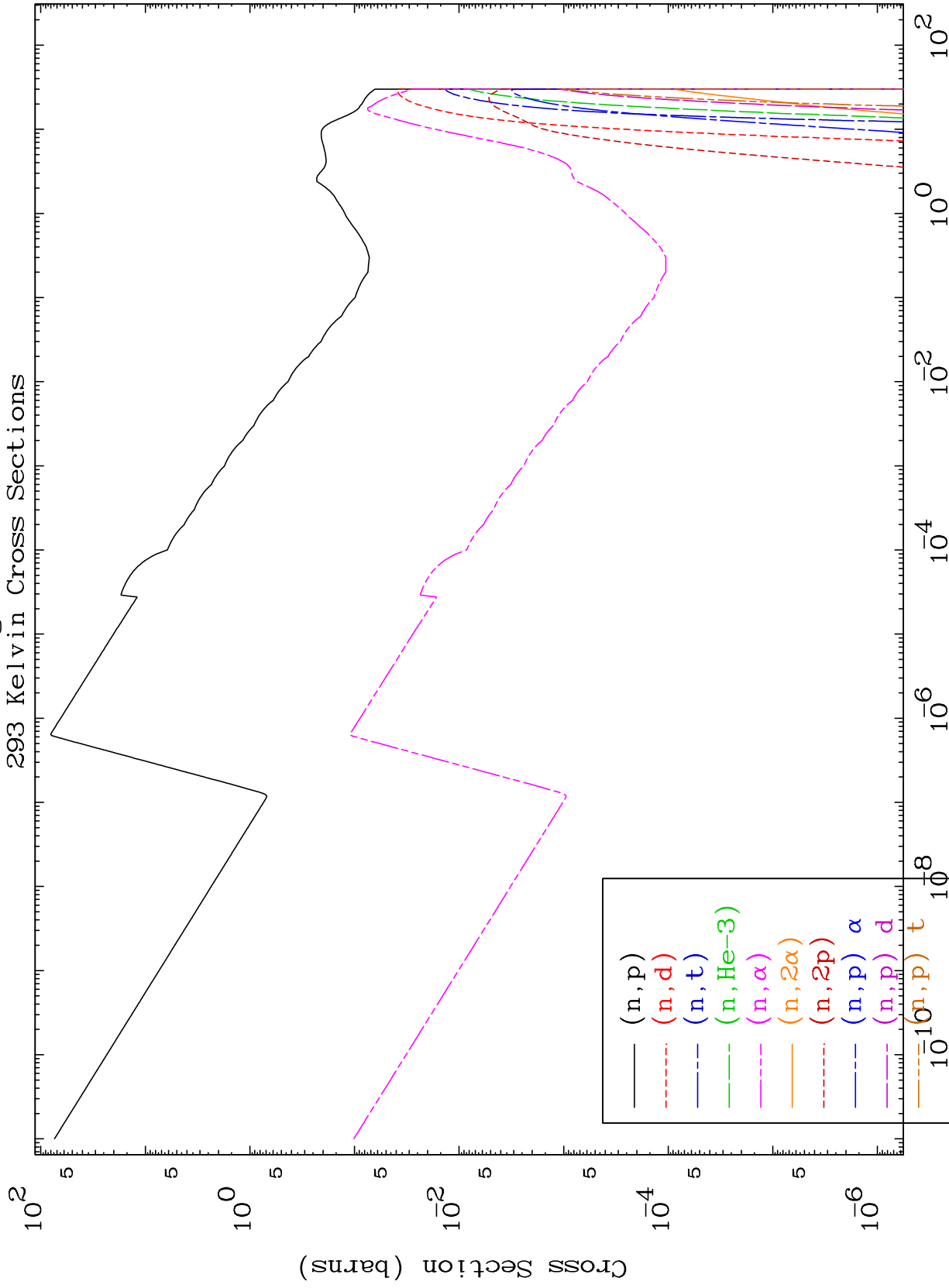


64-Gd-145

MAT 6405

Charged Particle
293 Kelvin Cross Sections

64-Gd-145

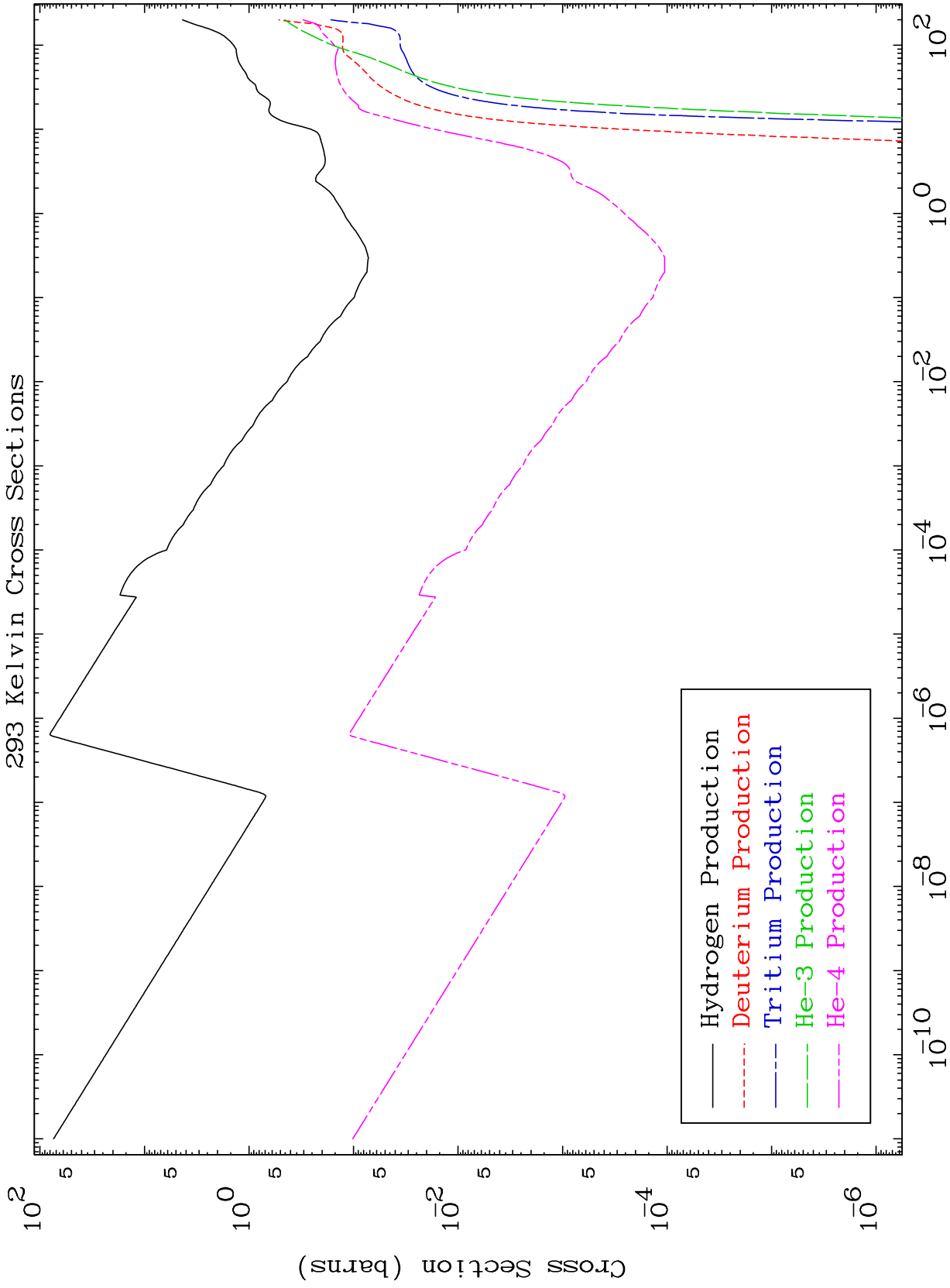


5

MAT 6405

Particle Production
293 Kelvin Cross Sections

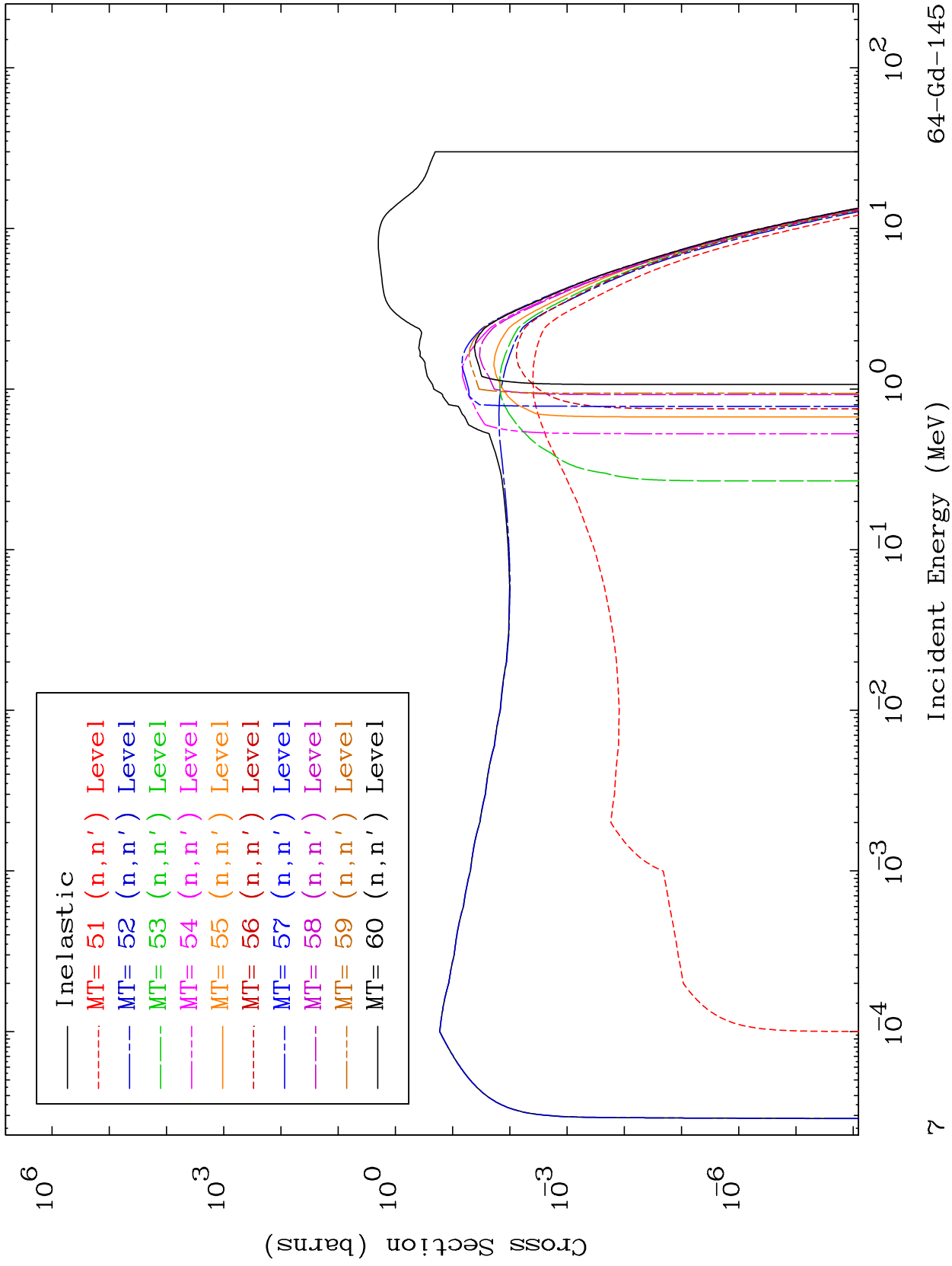
64-Gd-145



MAT 6405

(n,n') Level
293 Kelvin Cross Sections

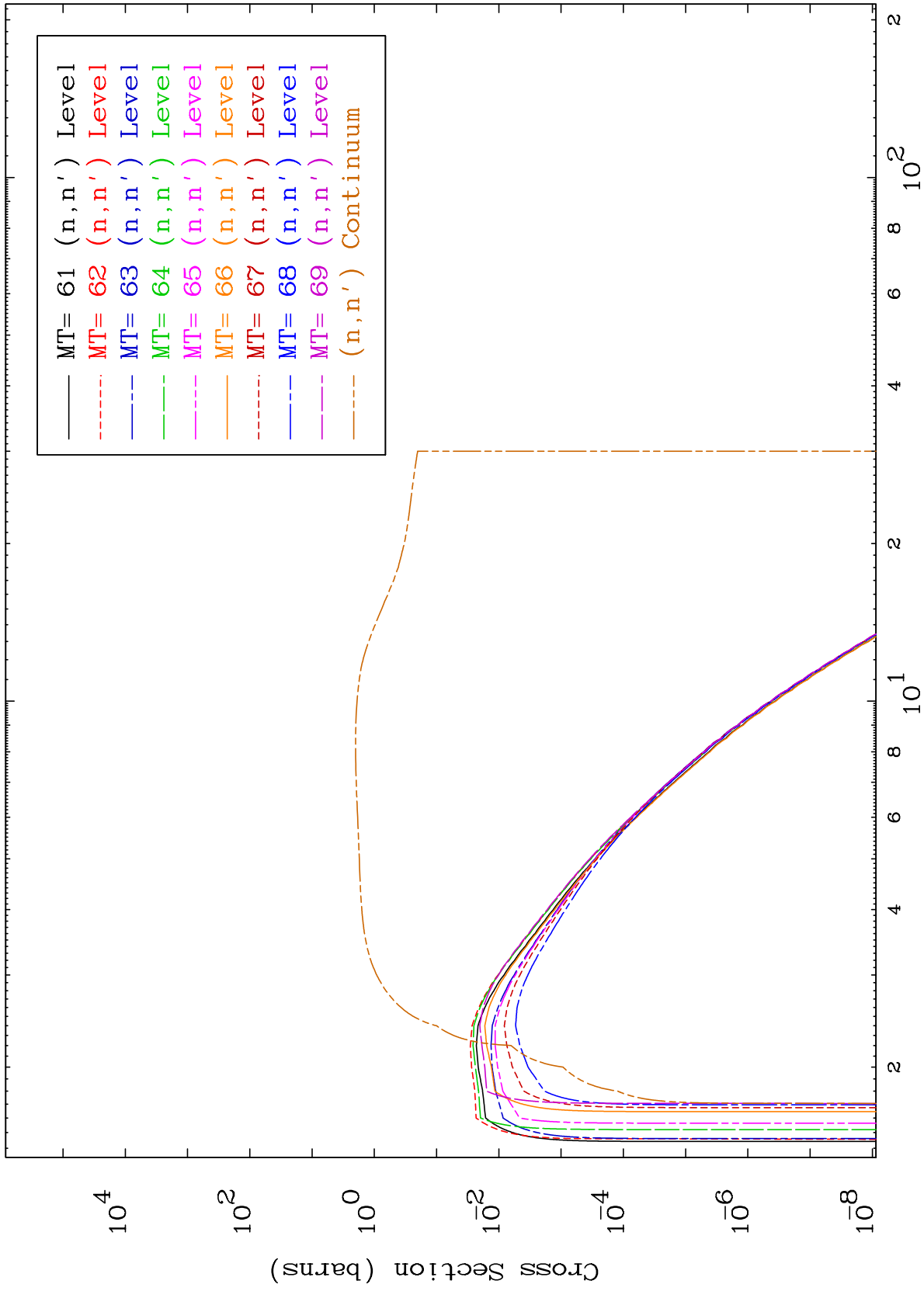
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MAT 6405

(n,n') Level
293 Kelvin Cross Sections

64-Gd-145



8

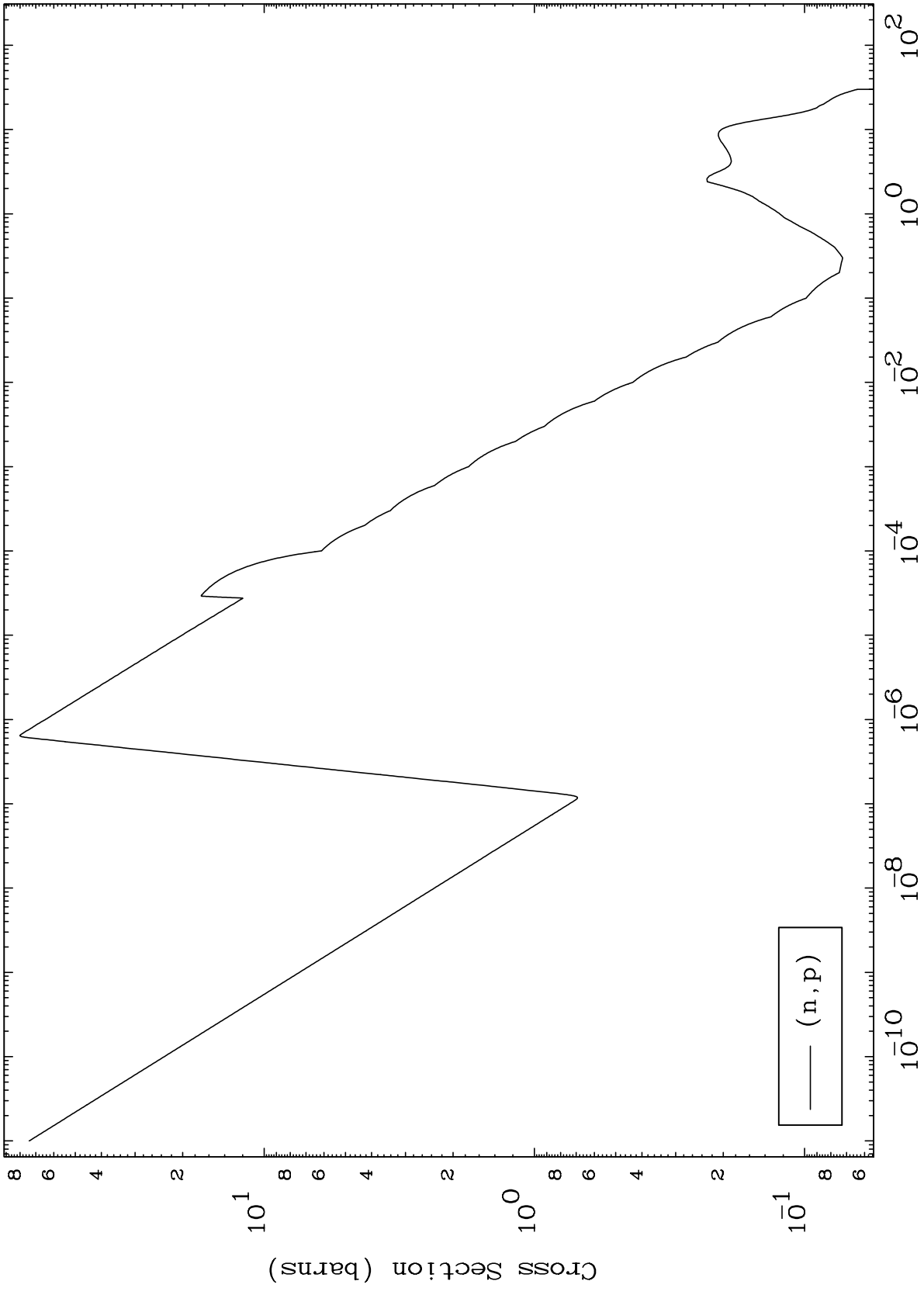
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n,p) Levels
293 Kelvin Cross Sections

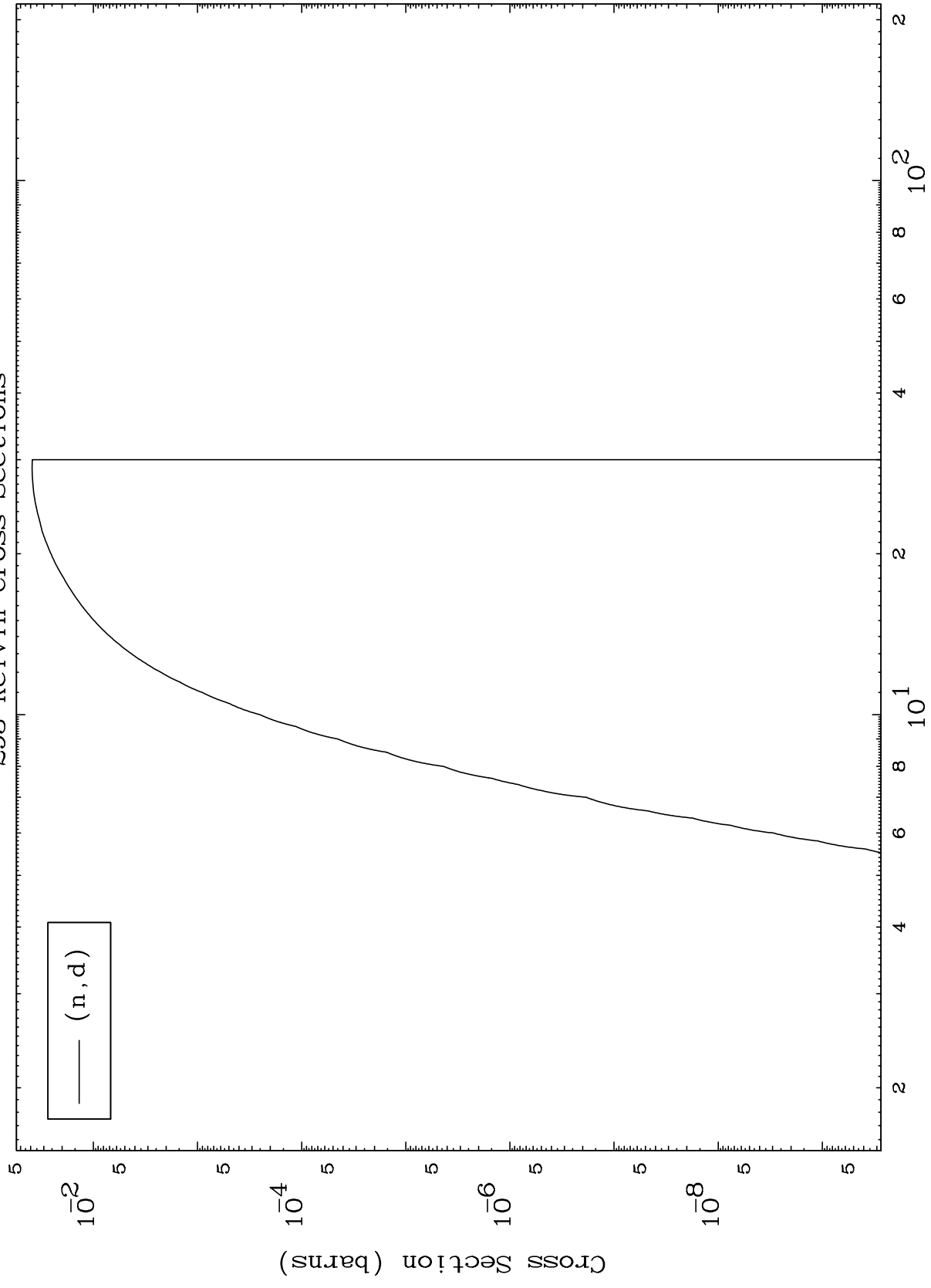
64-Gd-145



MAT 6405

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-145



(n,d)

10

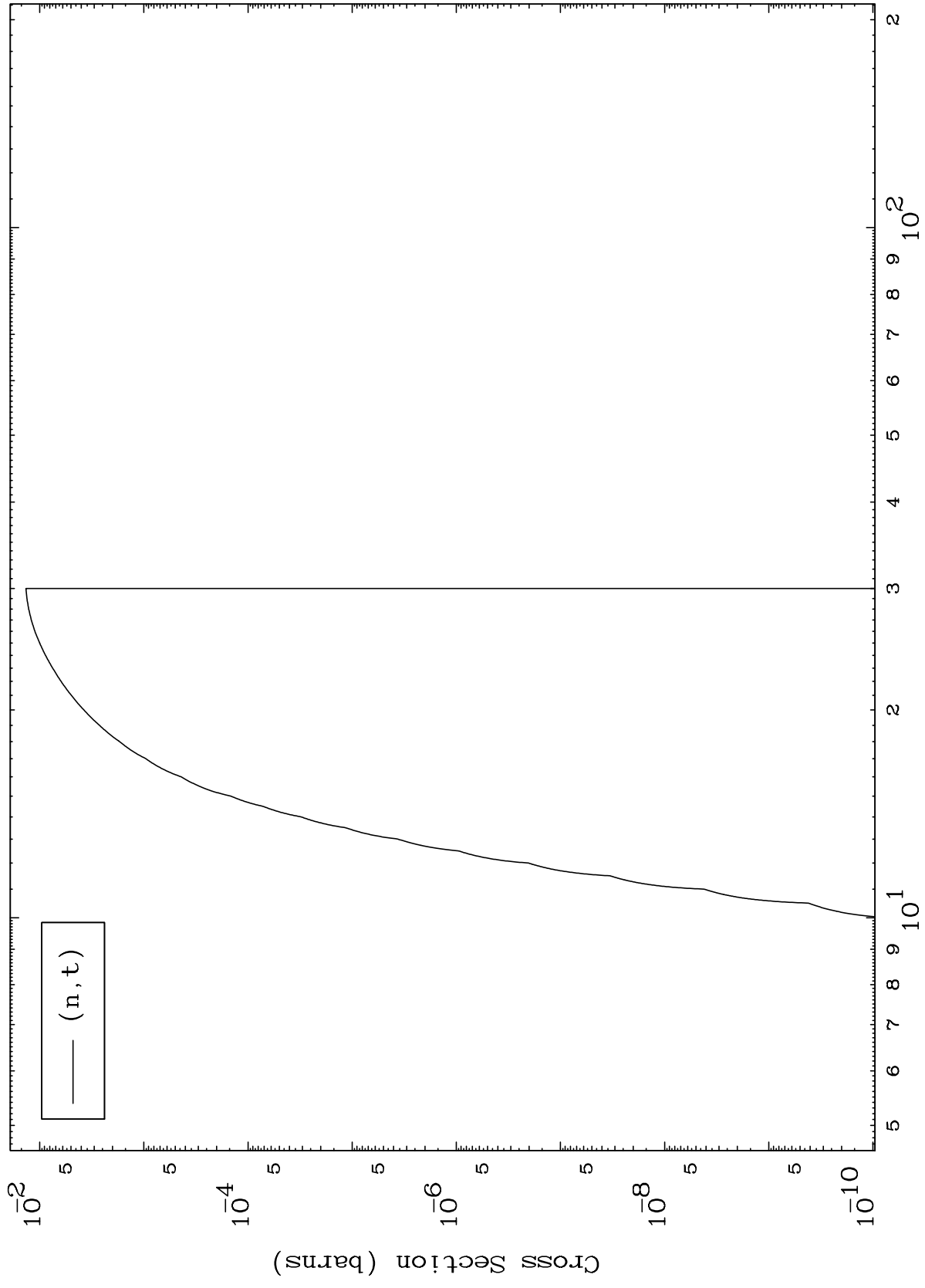
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-145



11

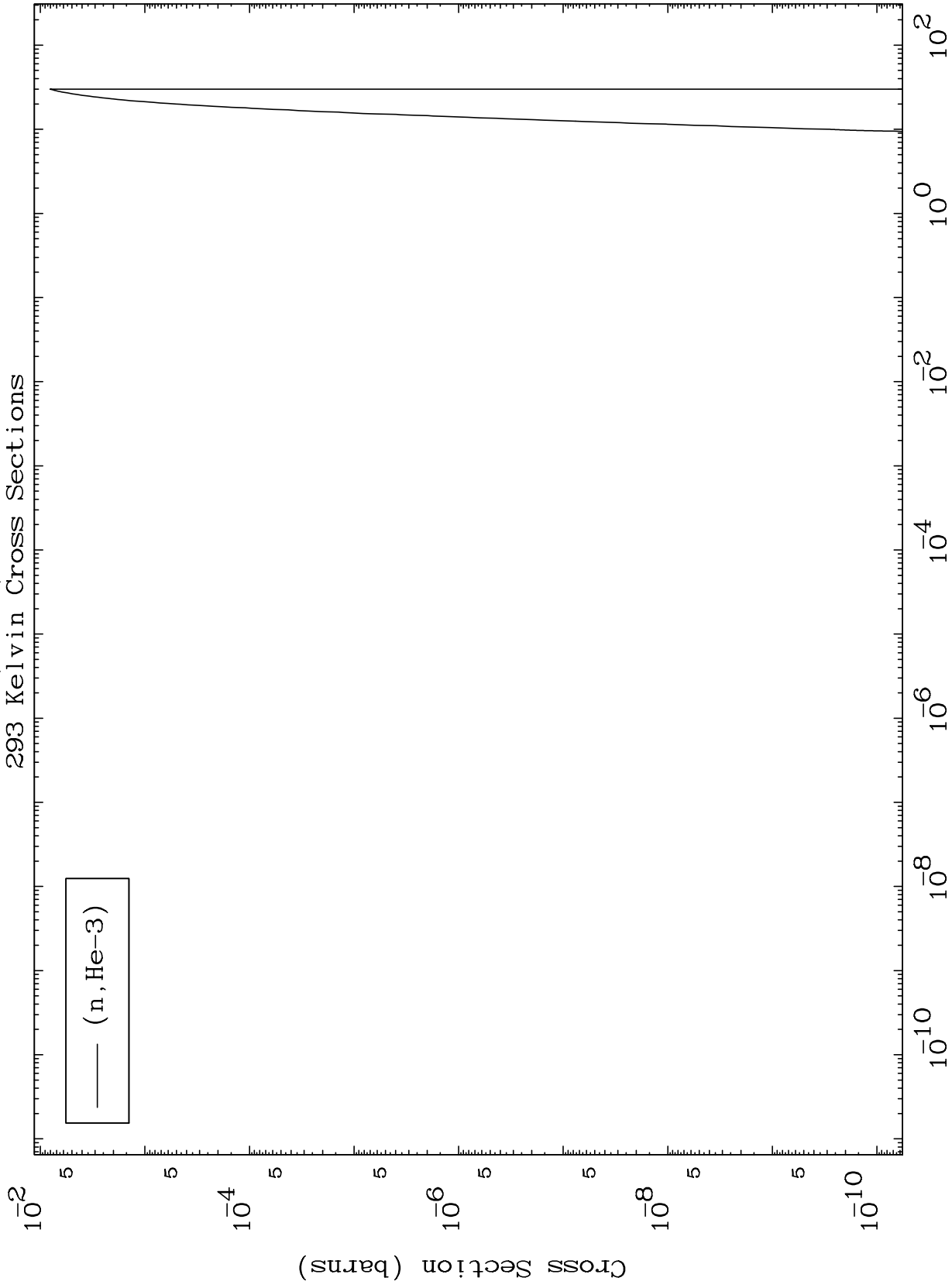
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-145



12

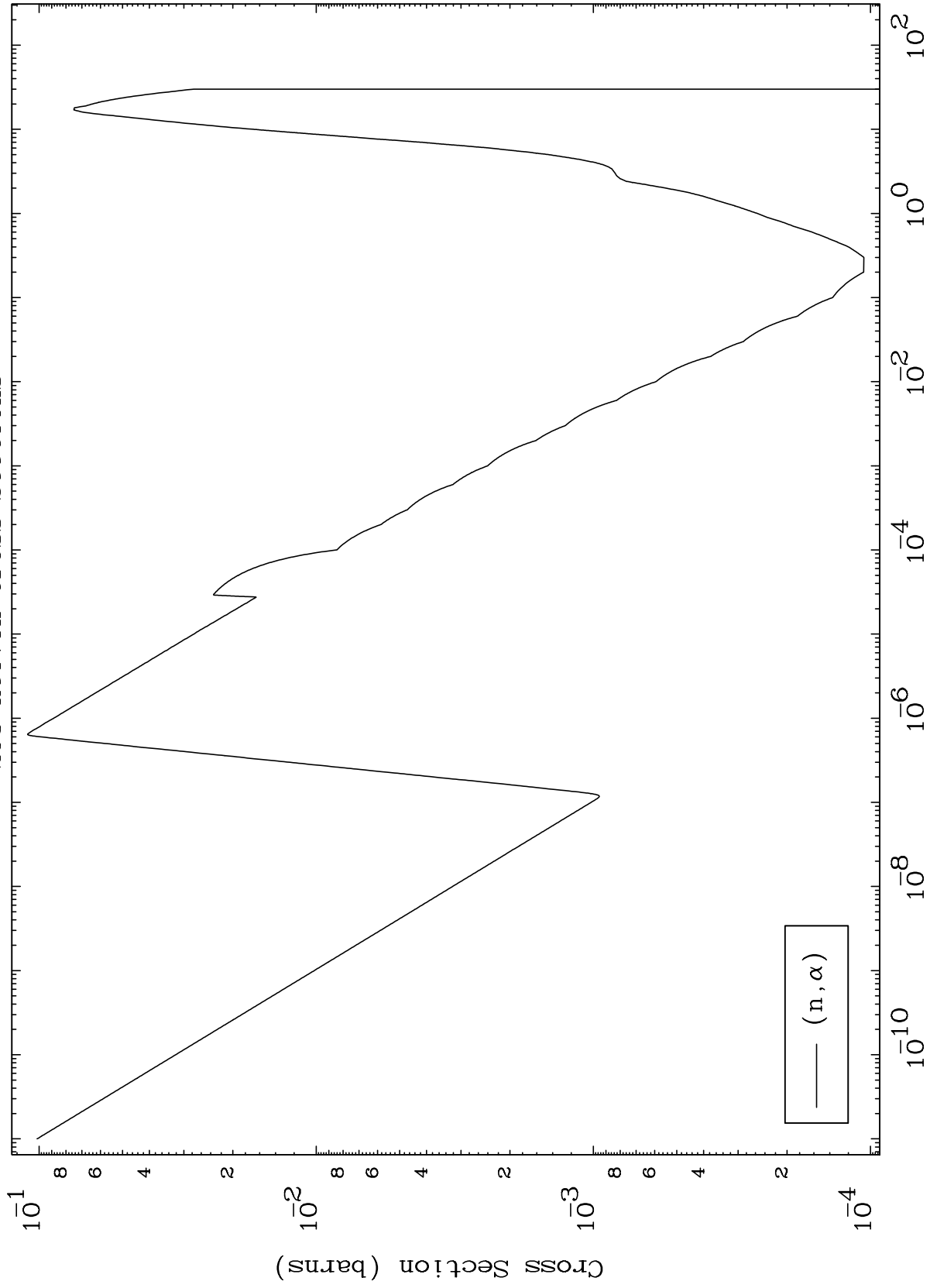
Incident Energy (MeV)

64-Gd-145

MAT 6405

(n, α) Levels
293 Kelvin Cross Sections

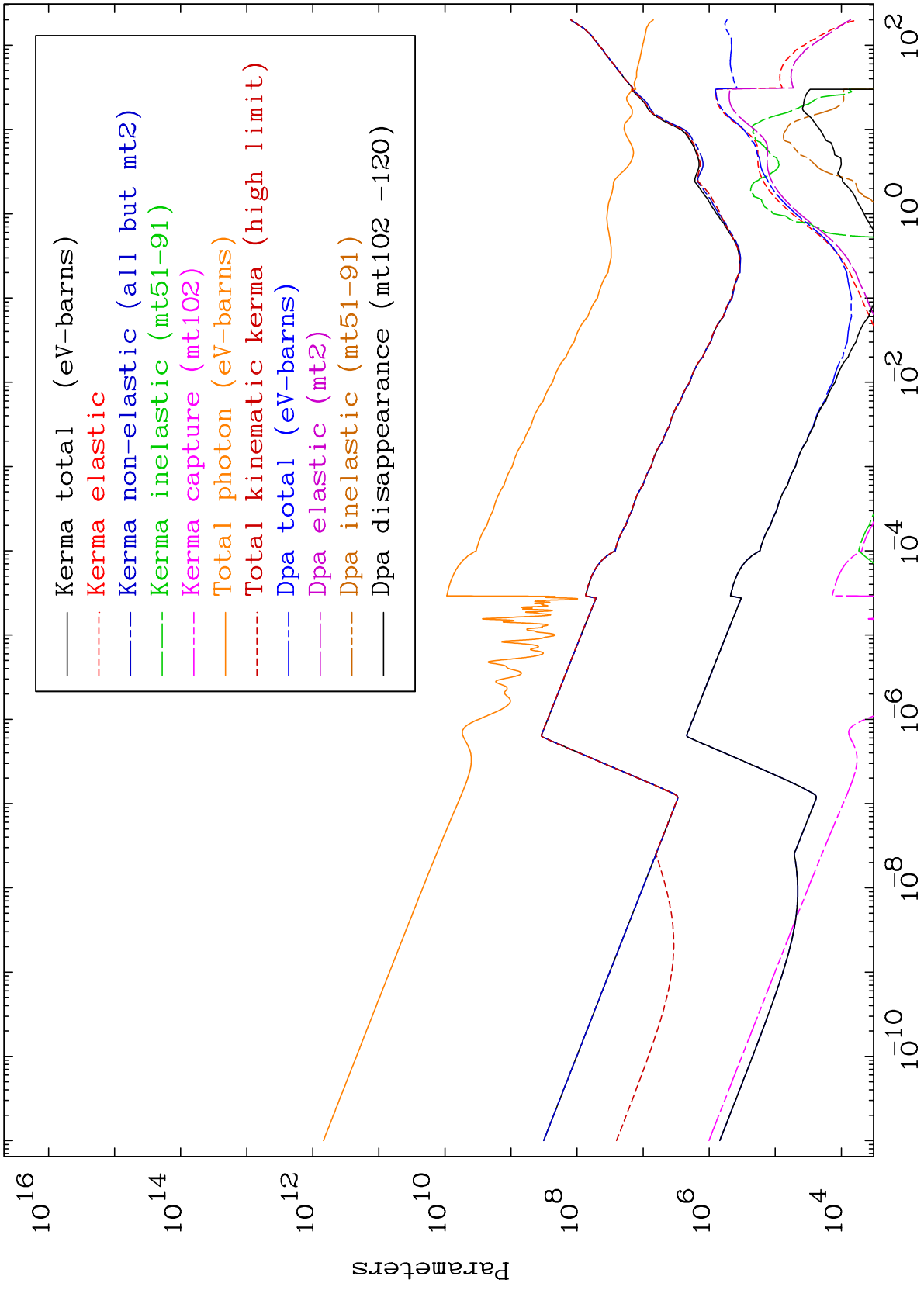
64-Gd-145



13

Incident Energy (MeV)

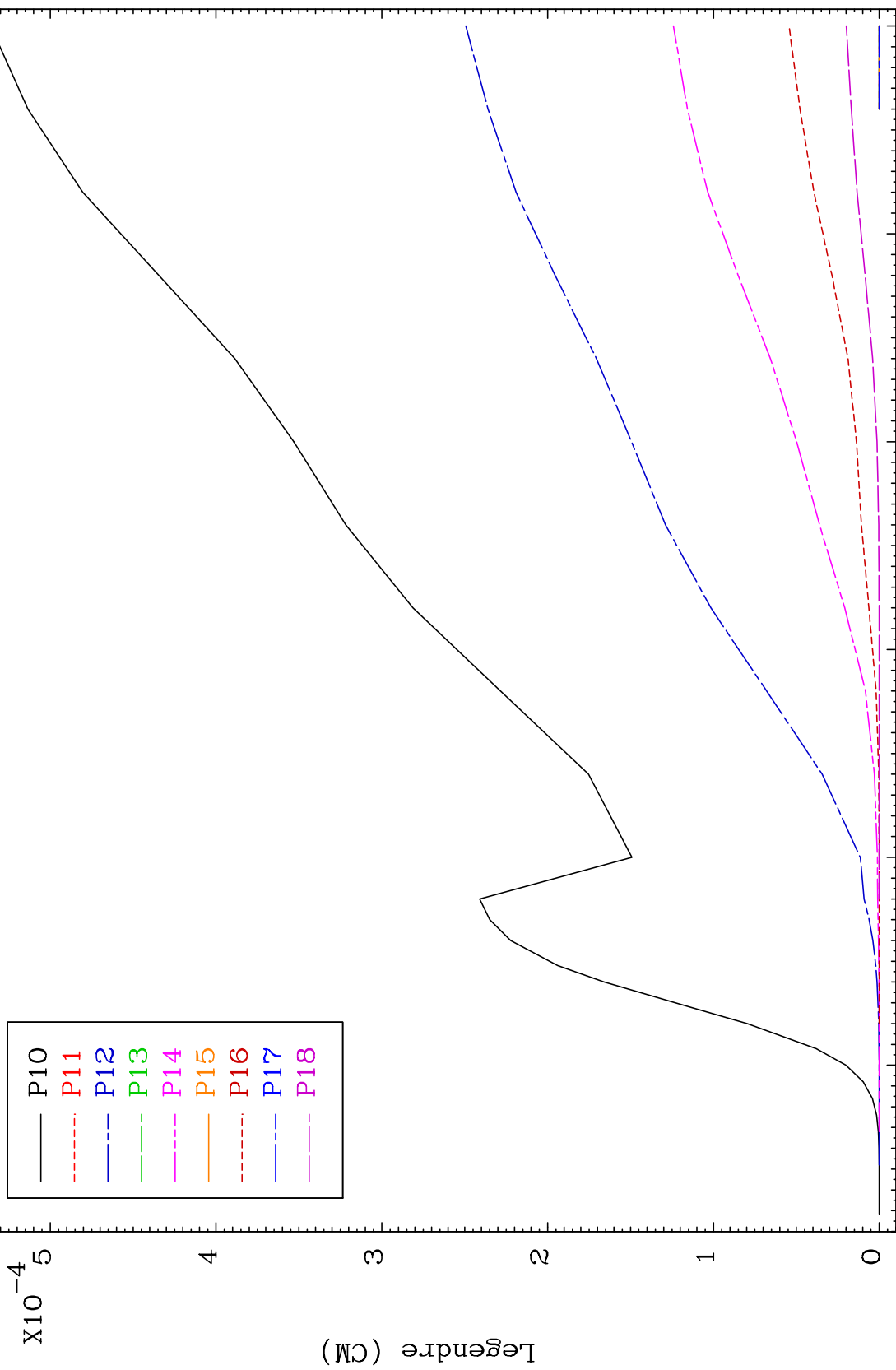
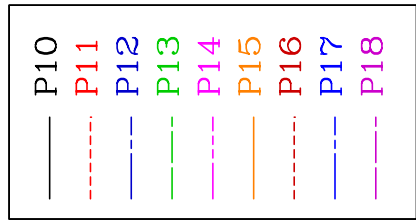
64-Gd-145



MAT 6405

Elastic Legendre Coefficients

64-Gd-145



16

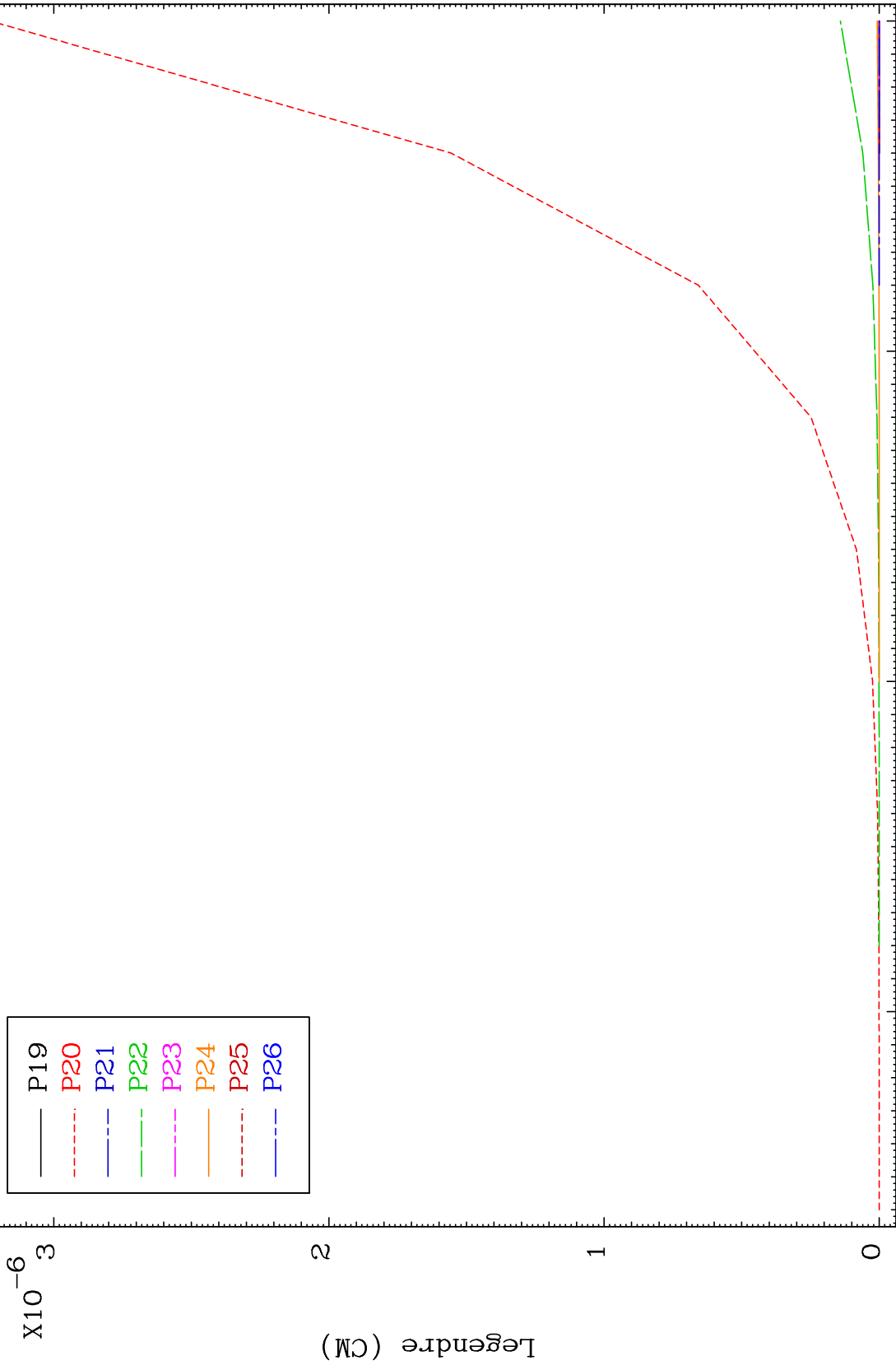
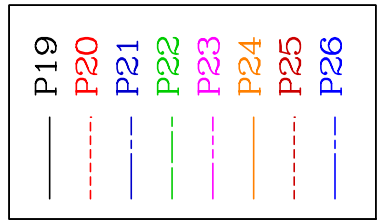
Incident Energy (MeV)

64-Gd-145

MAT 6405

Elastic Legendre Coefficients

64-Gd-145



17

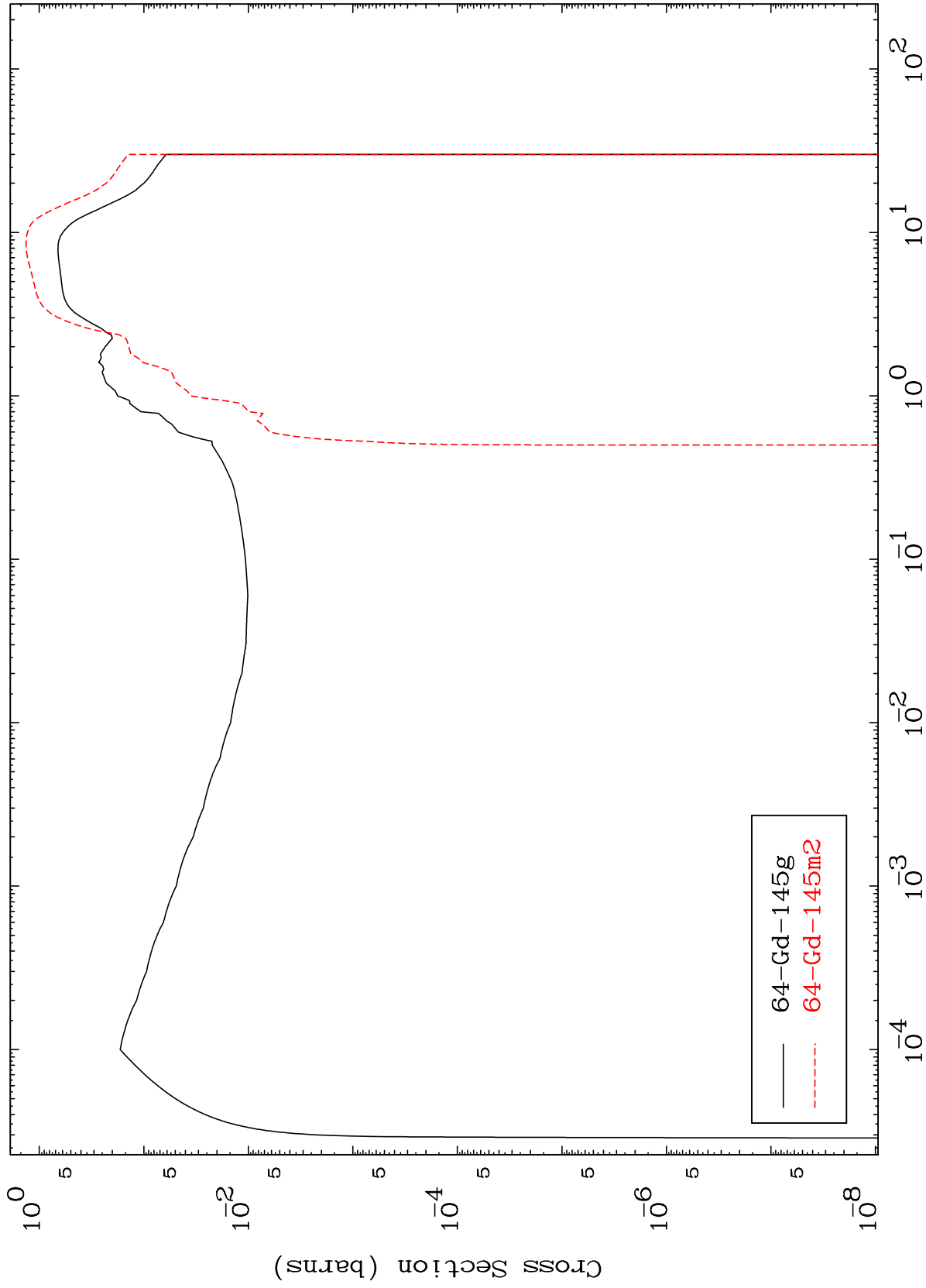
Incident Energy (MeV)

64-Gd-145

MAT 6405

Inelastic
Radionuclide Production Cross Section

64-Gd-145



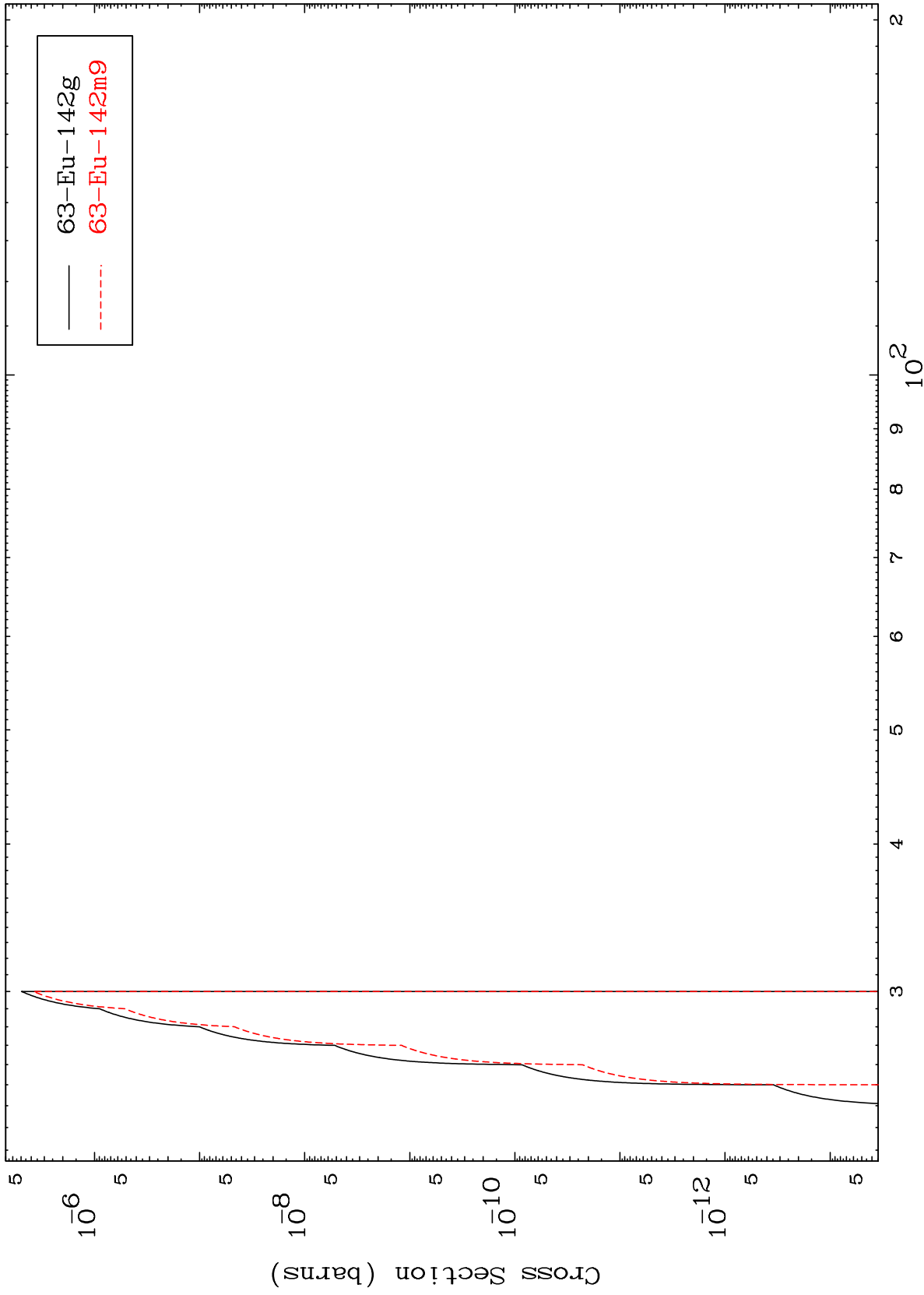
— 64-Gd-145g
- - - 64-Gd-145m2

MAT 6405

(n,2n) d

64-Gd-145

Radionuclide Production Cross Section



19

Incident Energy (MeV)

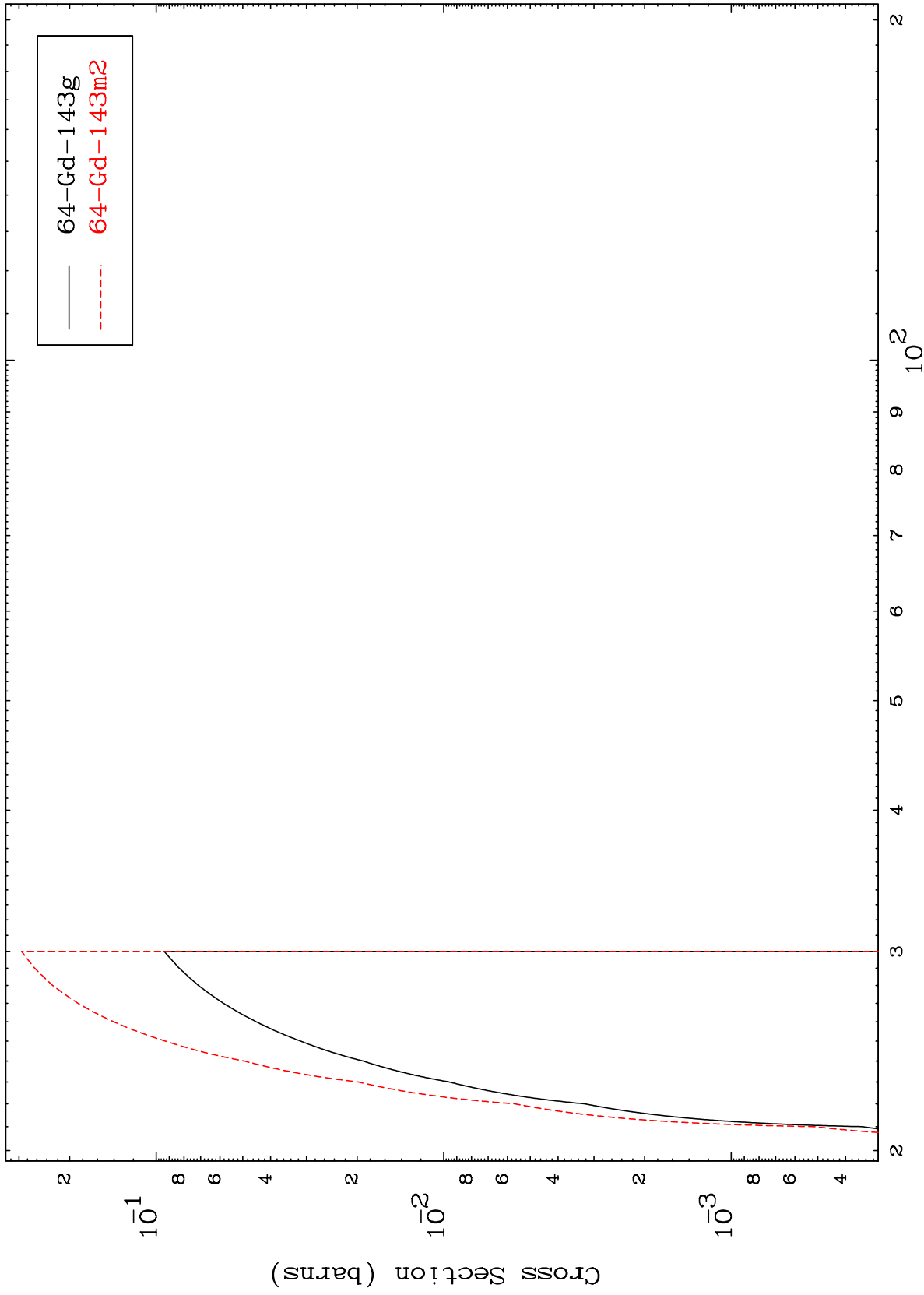
64-Gd-145

MAT 6405

(n,3n)

64-Gd-145

Radionuclide Production Cross Section



20

Incident Energy (MeV)

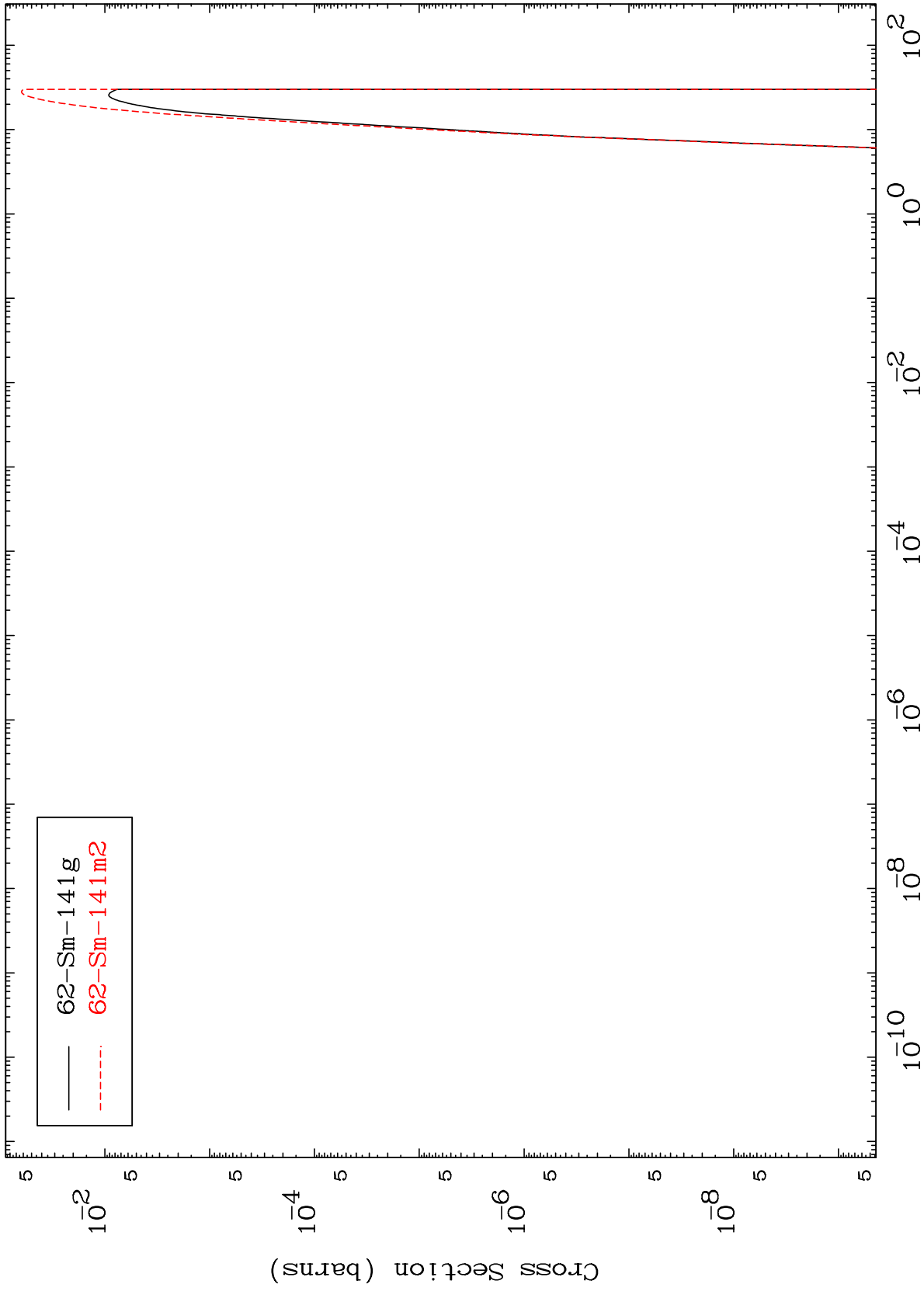
64-Gd-145

MAT 6405

(n,n') α

64-Gd-145

Radionuclide Production Cross Section

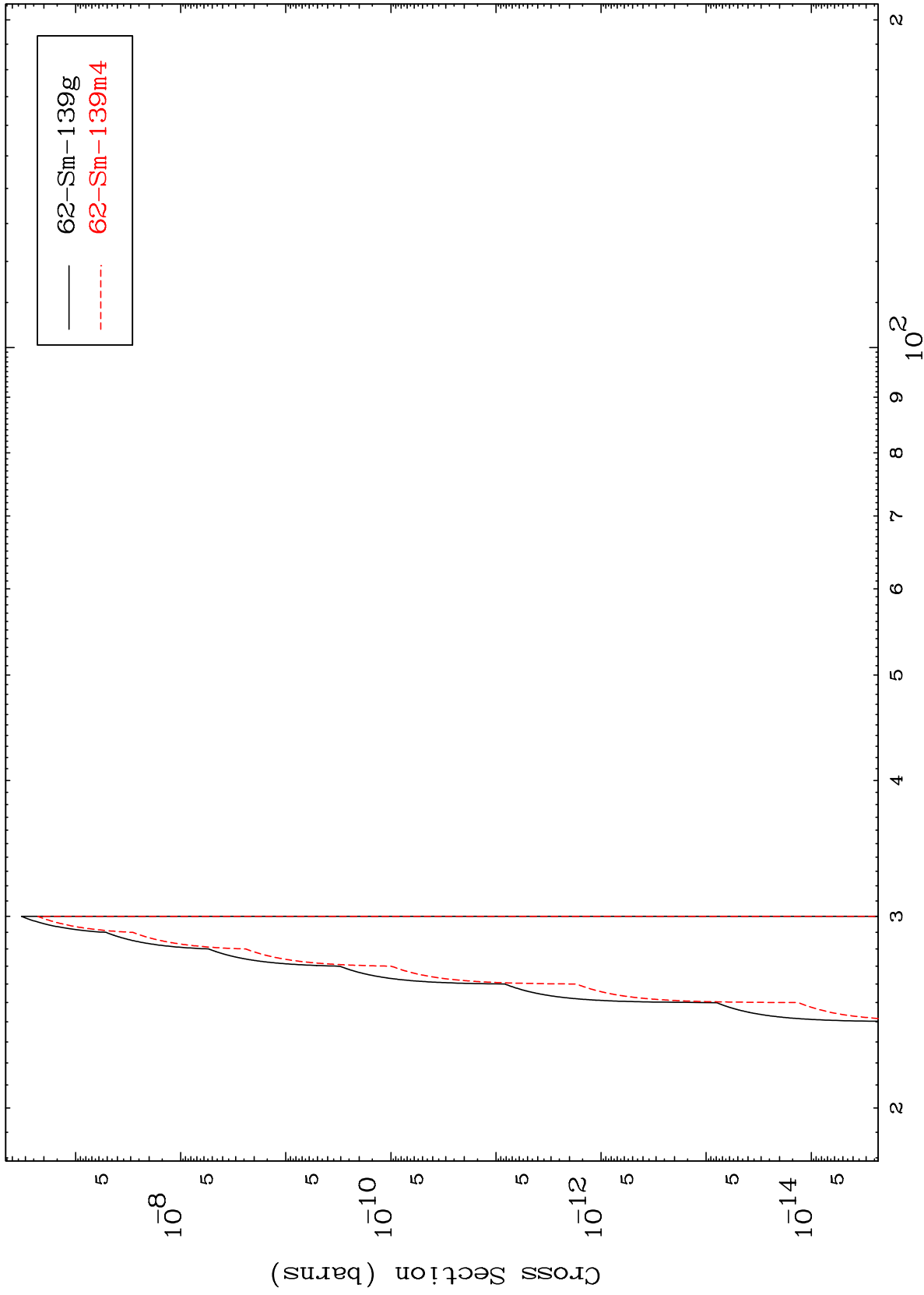


MAT 6405

(n,3n) α

64-Gd-145

Radionuclide Production Cross Section



22

Incident Energy (MeV)

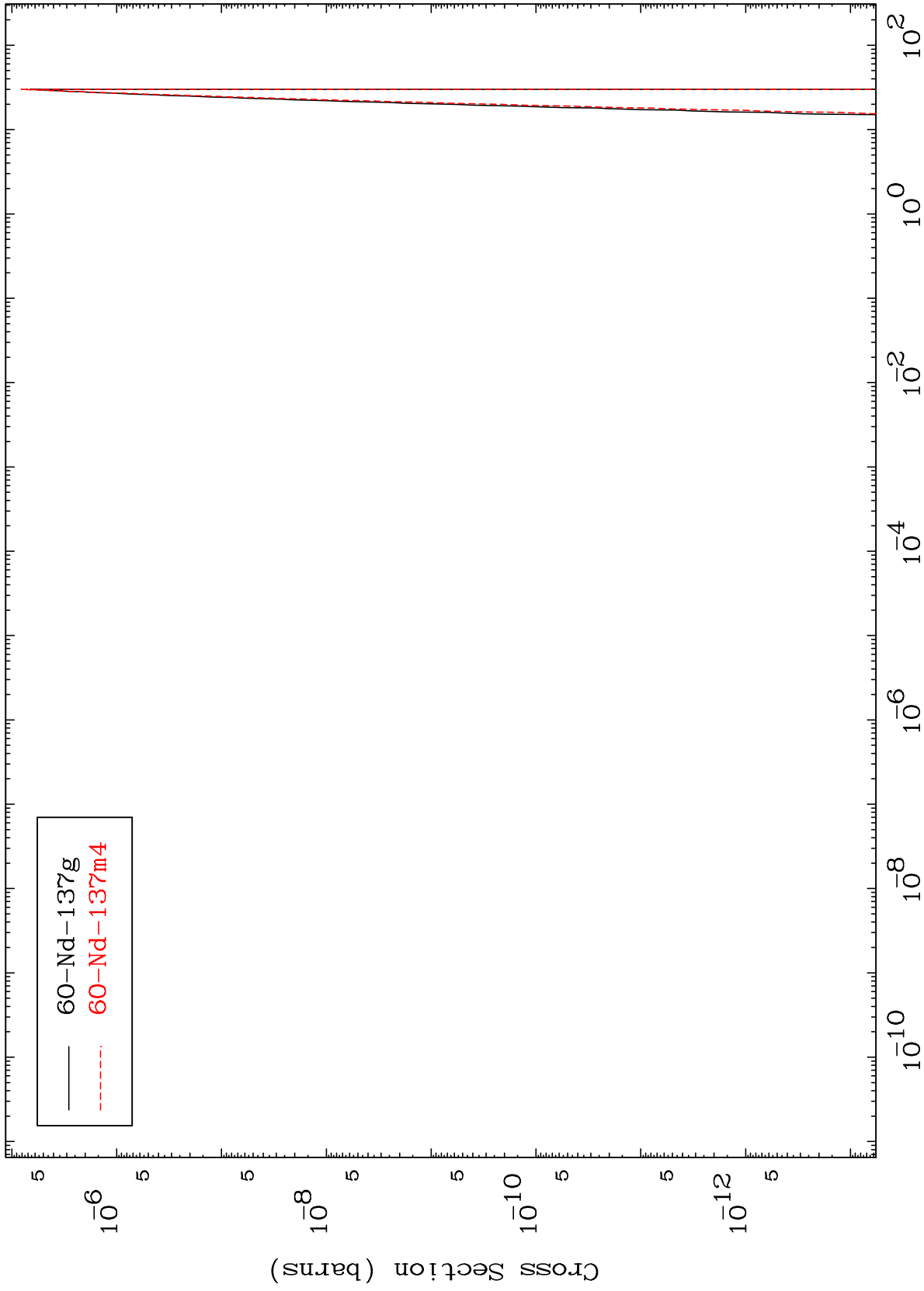
64-Gd-145

MAT 6405

(n, n') 2 α

64-Gd-145

Radionuclide Production Cross Section



23

Incident Energy (MeV)

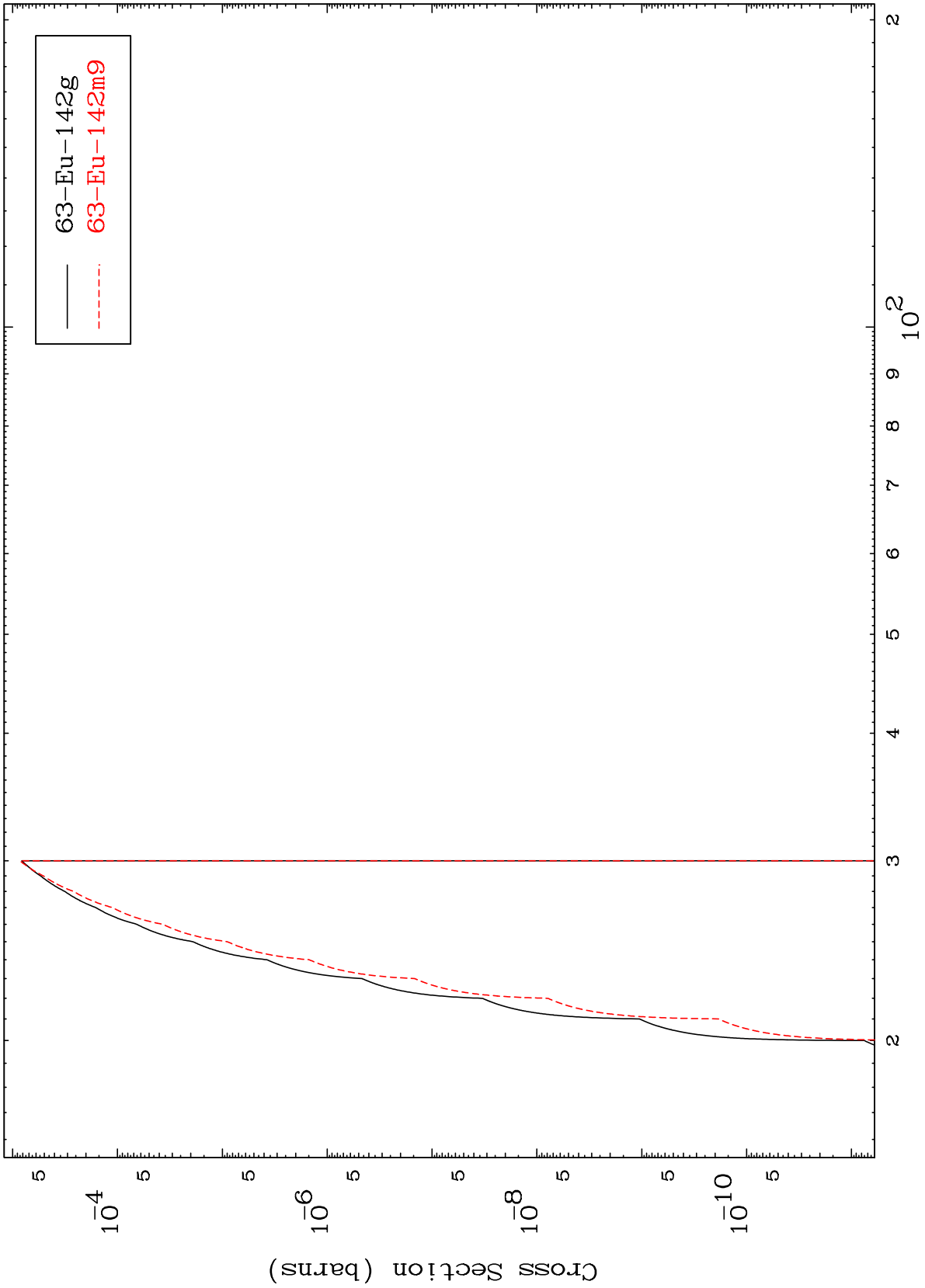
64-Gd-145

MAT 6405

(n, n') t

64-Gd-145

Radionuclide Production Cross Section



24

Incident Energy (MeV)

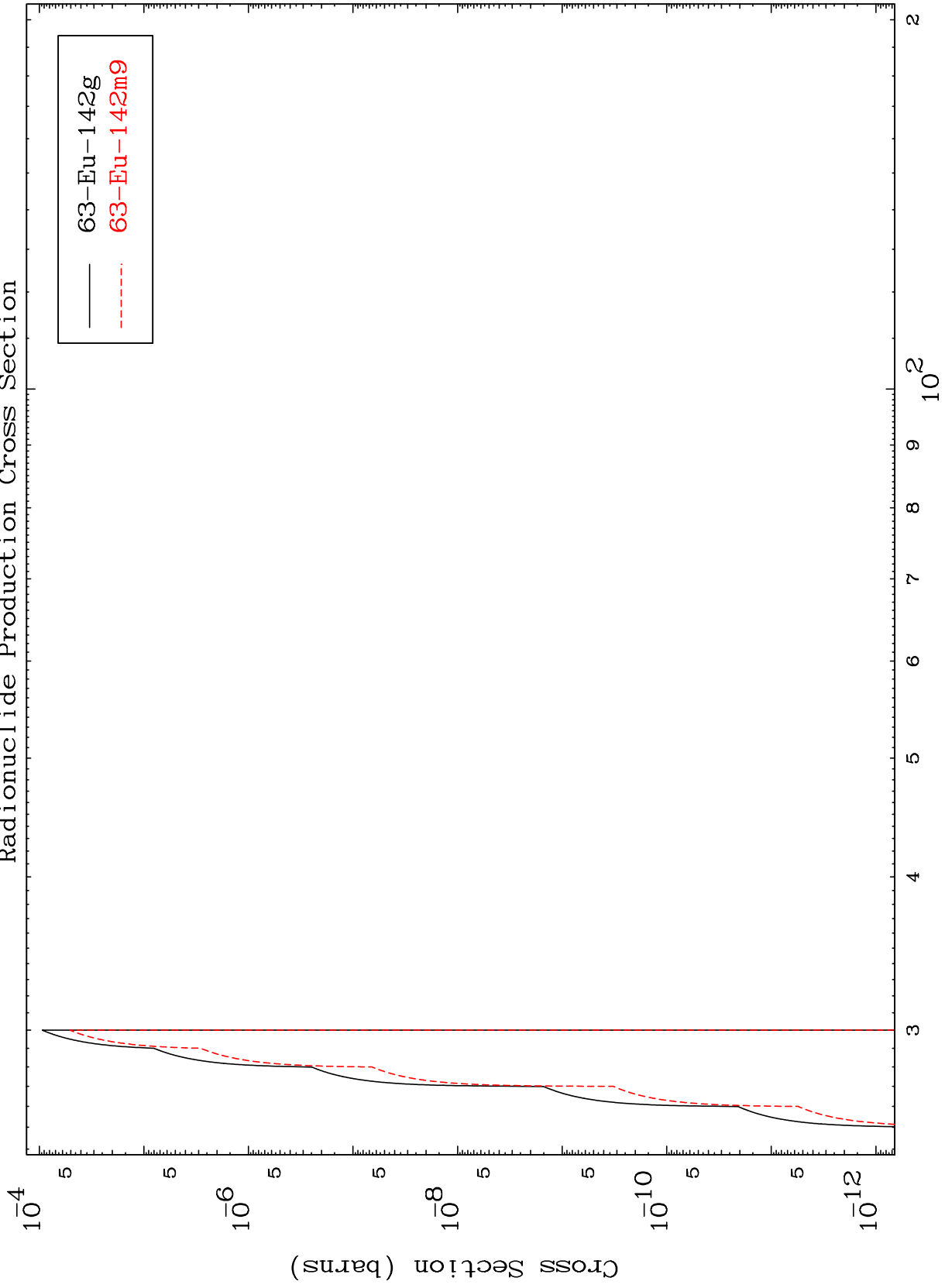
64-Gd-145

MAT 6405

(n,3n) p

64-Gd-145

Radionuclide Production Cross Section



25

Incident Energy (MeV)

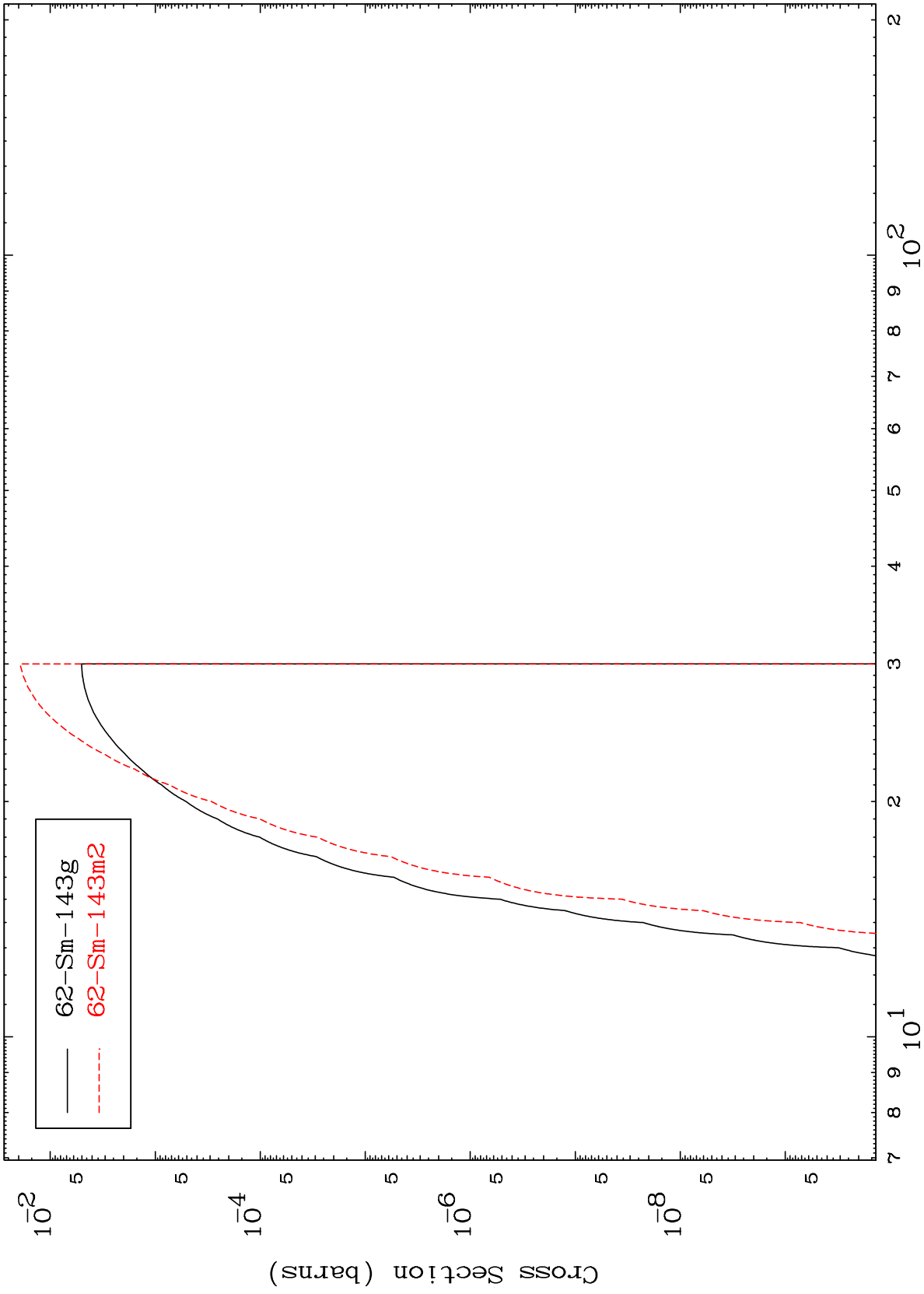
64-Gd-145

MAT 6405

(n,2n) p

64-Gd-145

Radionuclide Production Cross Section



26

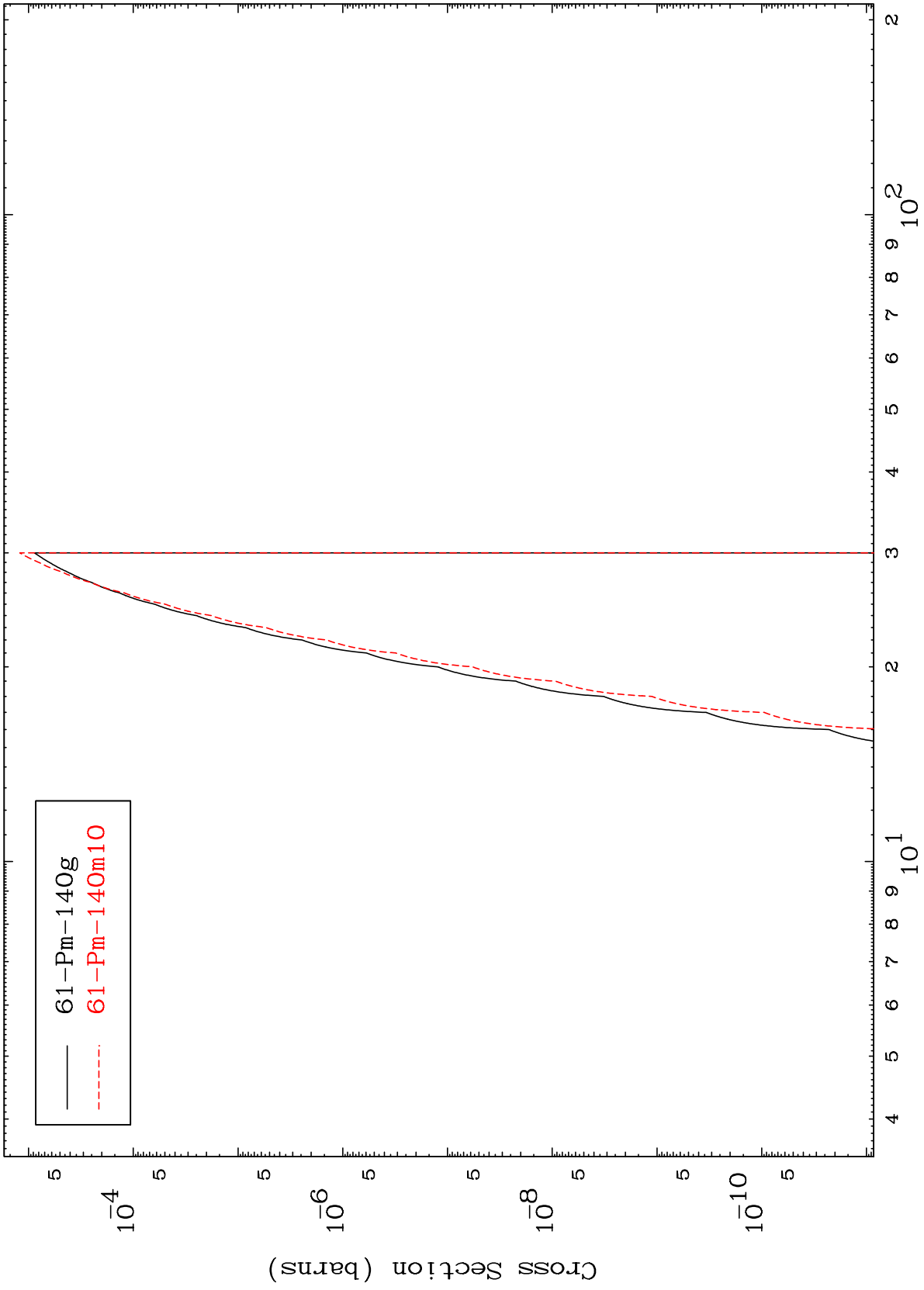
Incident Energy (MeV)

64-Gd-145

MAT 6405

64-Gd-145

(n,n') p α
Radionuclide Production Cross Section



27

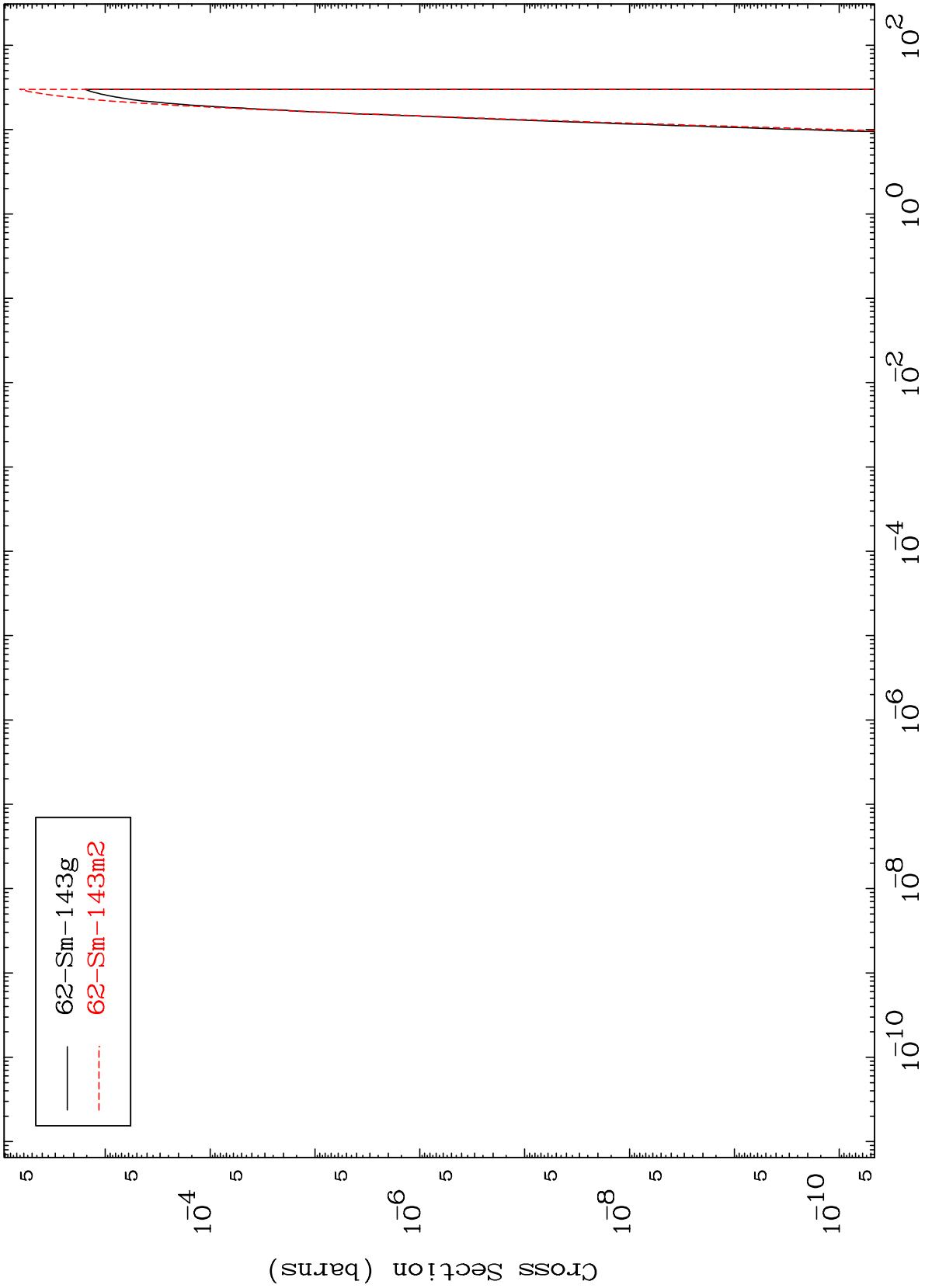
64-Gd-145

MAT 6405

(n, He-3)

64-Gd-145

Radionuclide Production Cross Section



28

Incident Energy (MeV)

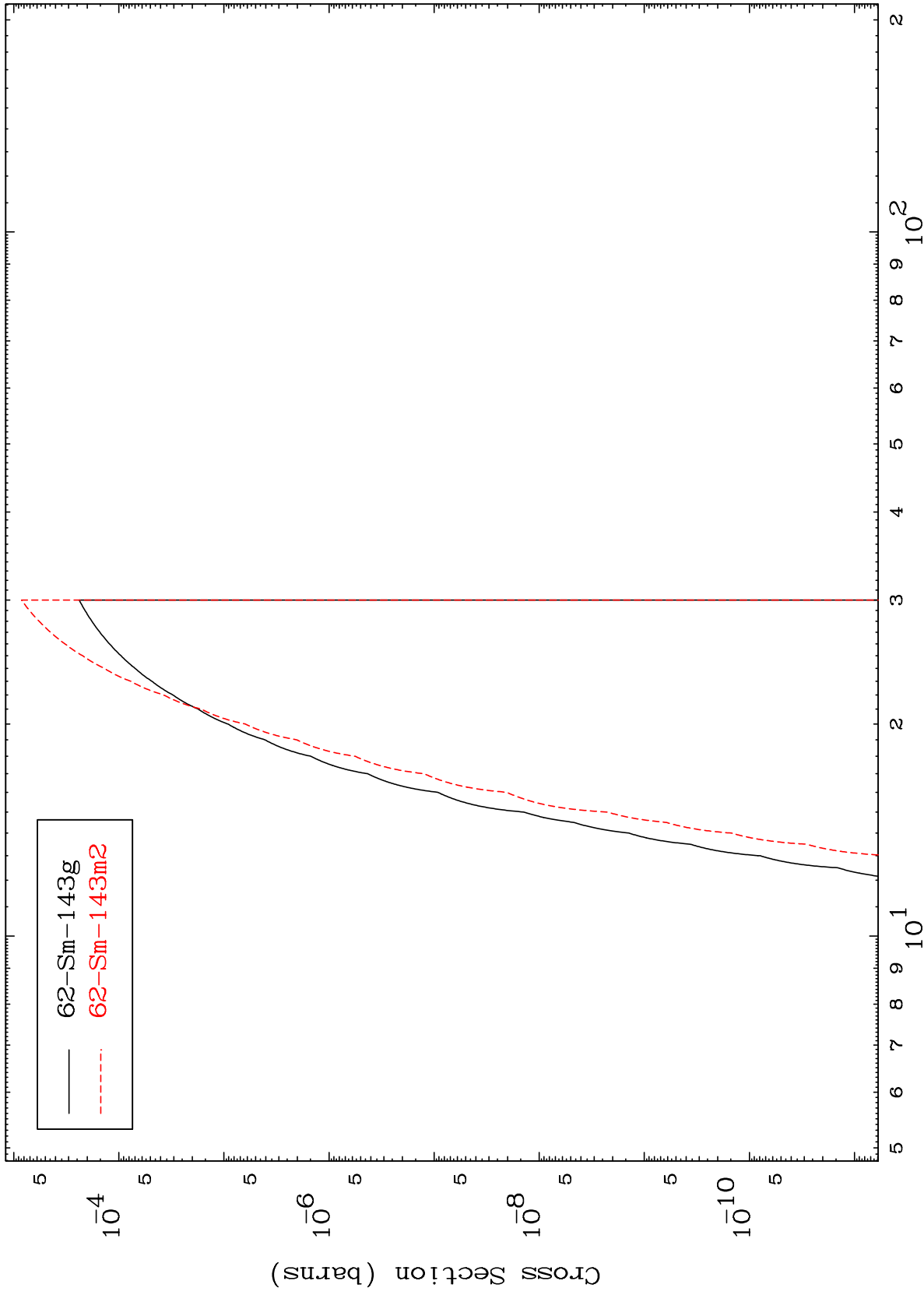
64-Gd-145

MAT 6405

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



29

Incident Energy (MeV)

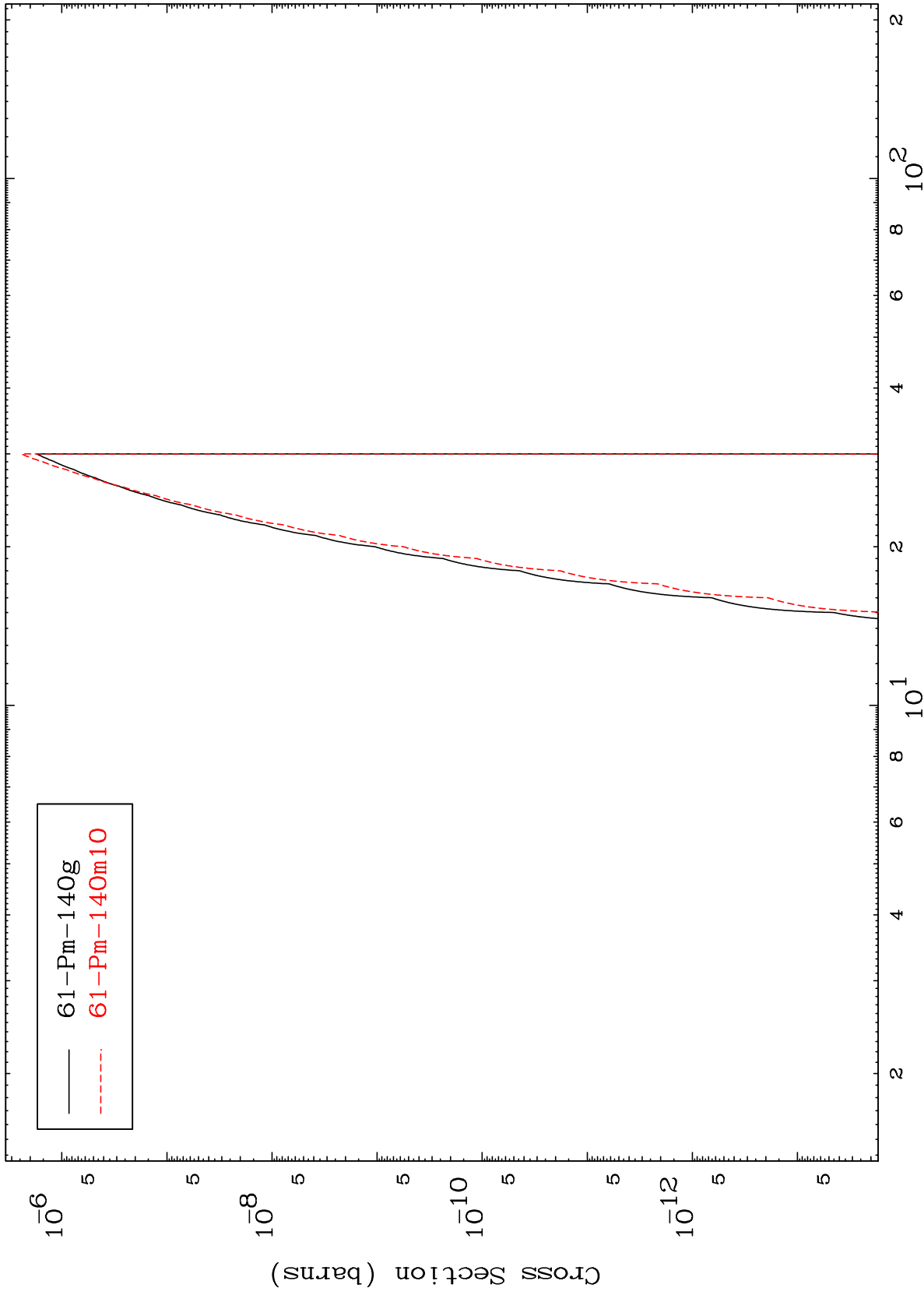
64-Gd-145

MAT 6405

(n,d) α

64-Gd-145

Radionuclide Production Cross Section



30

Incident Energy (MeV)

64-Gd-145