

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

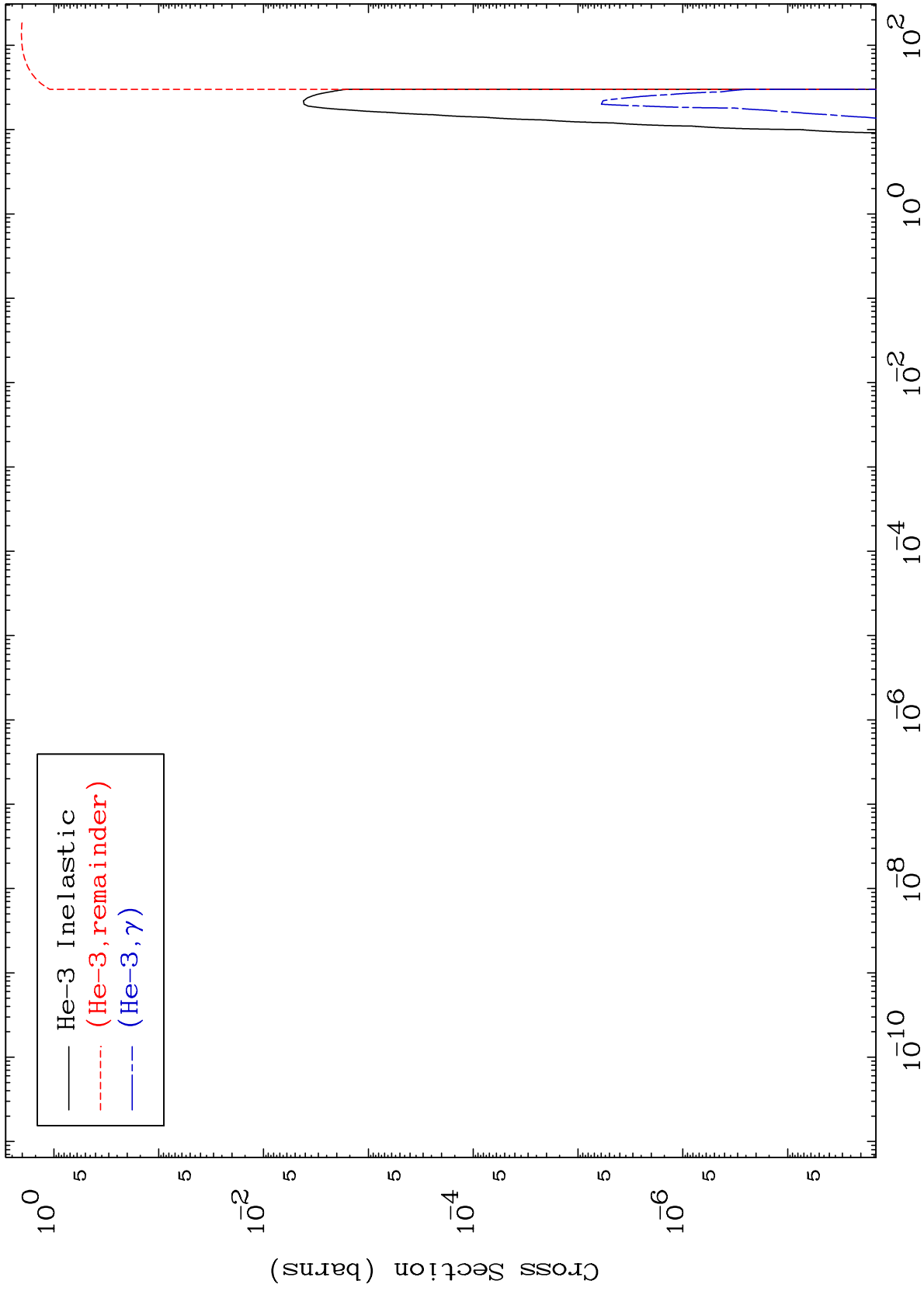
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6401

He-3 Major  
0 Kelvin Cross Sections

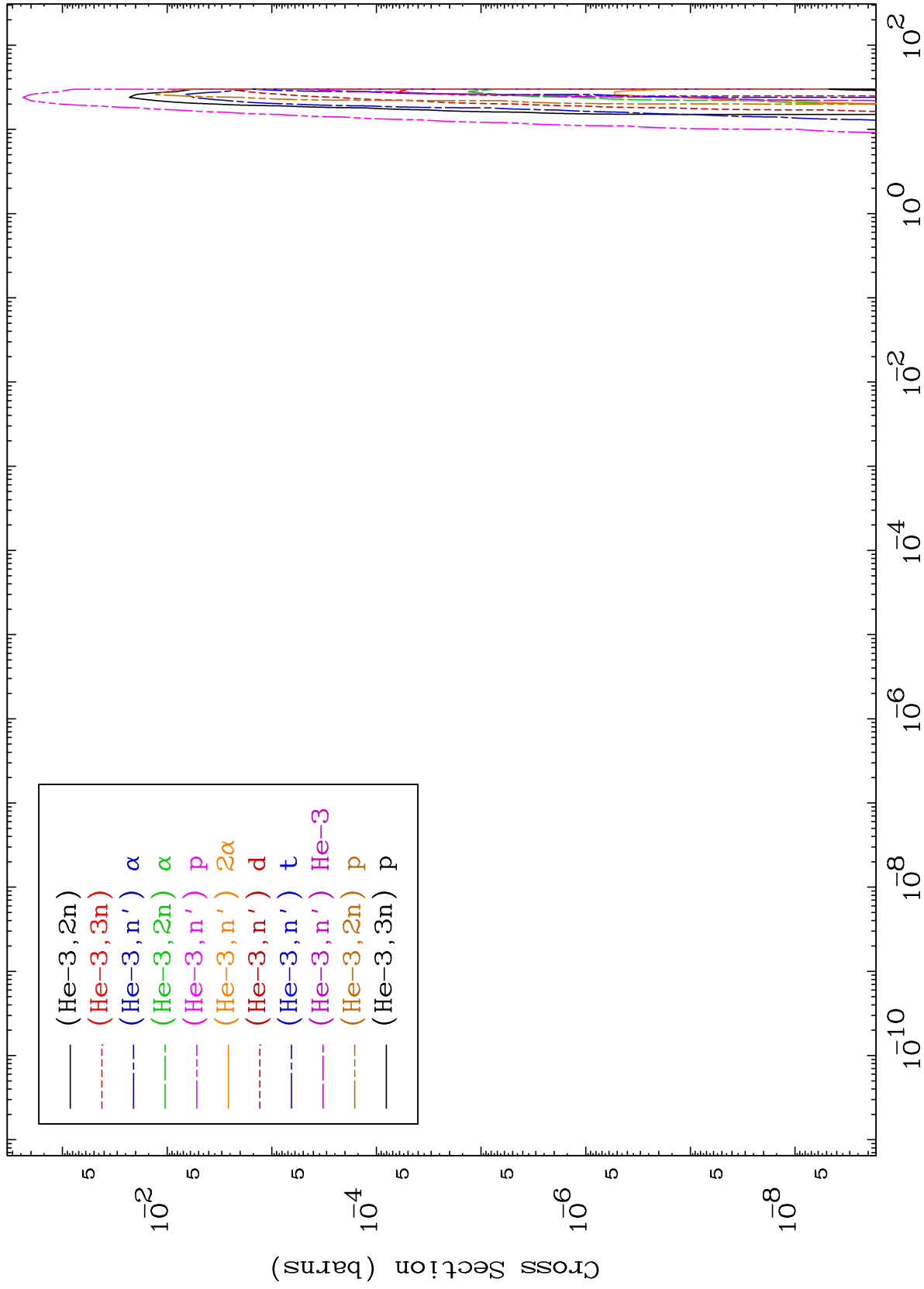
64-Gd-144



MAT 6401

He-3 Neutron Production  
0 Kelvin Cross Sections

64-Gd-144



2

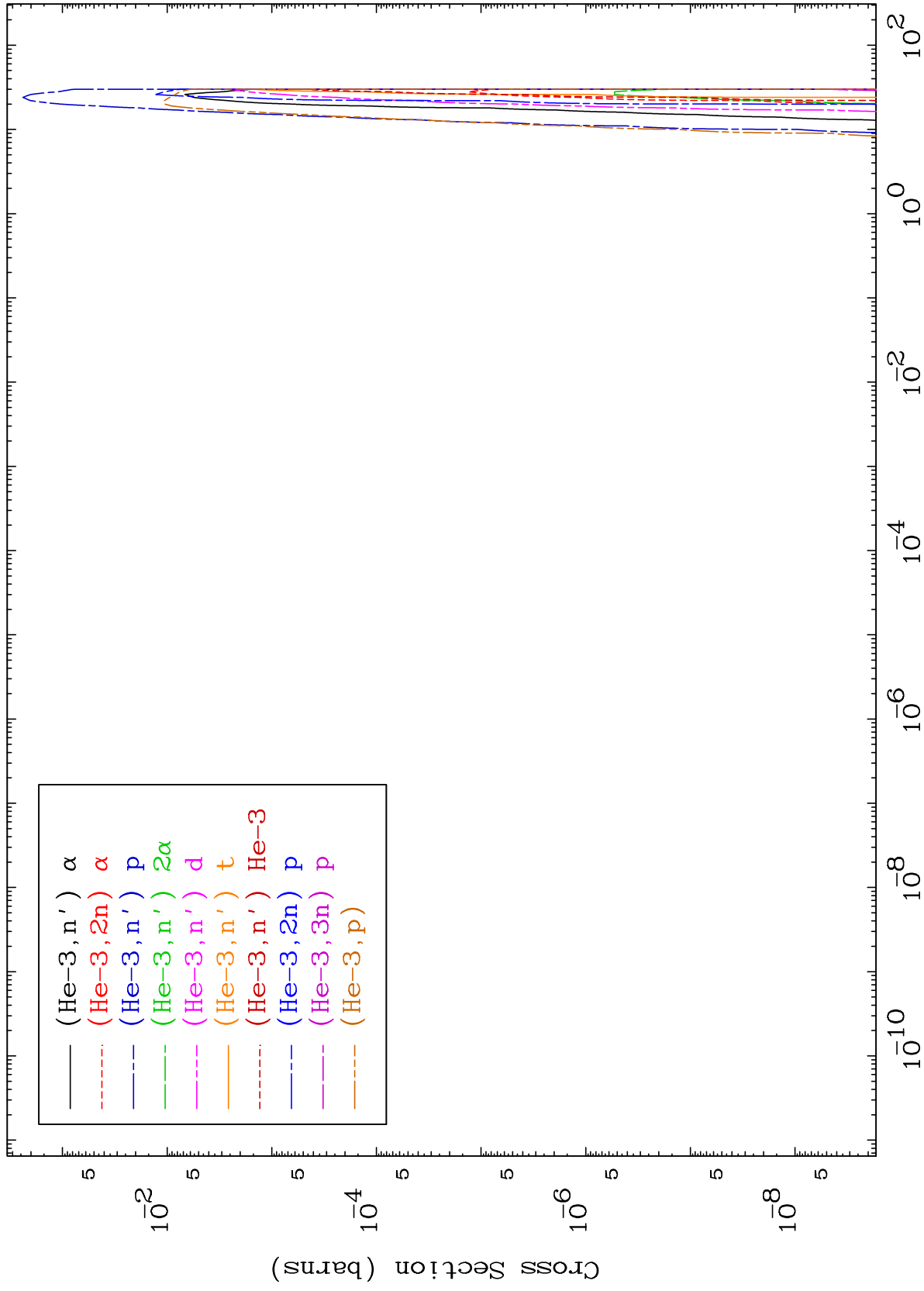
Incident Energy (MeV)

64-Gd-144

MAT 6401

He-3 Charged Particle  
0 Kelvin Cross Sections

64-Gd-144



3

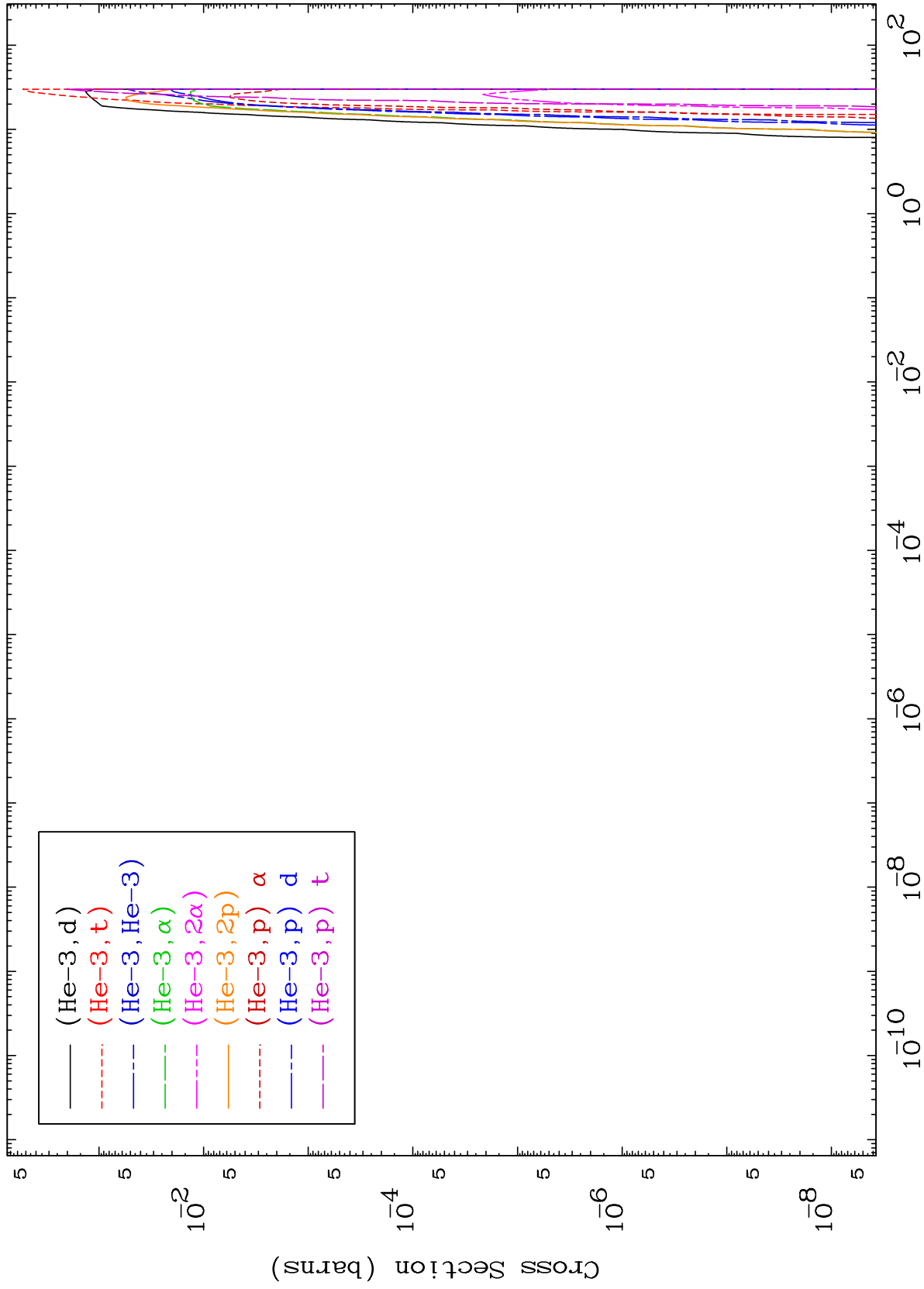
Incident Energy (MeV)

64-Gd-144

MAT 6401

He-3 Charged Particle  
0 Kelvin Cross Sections

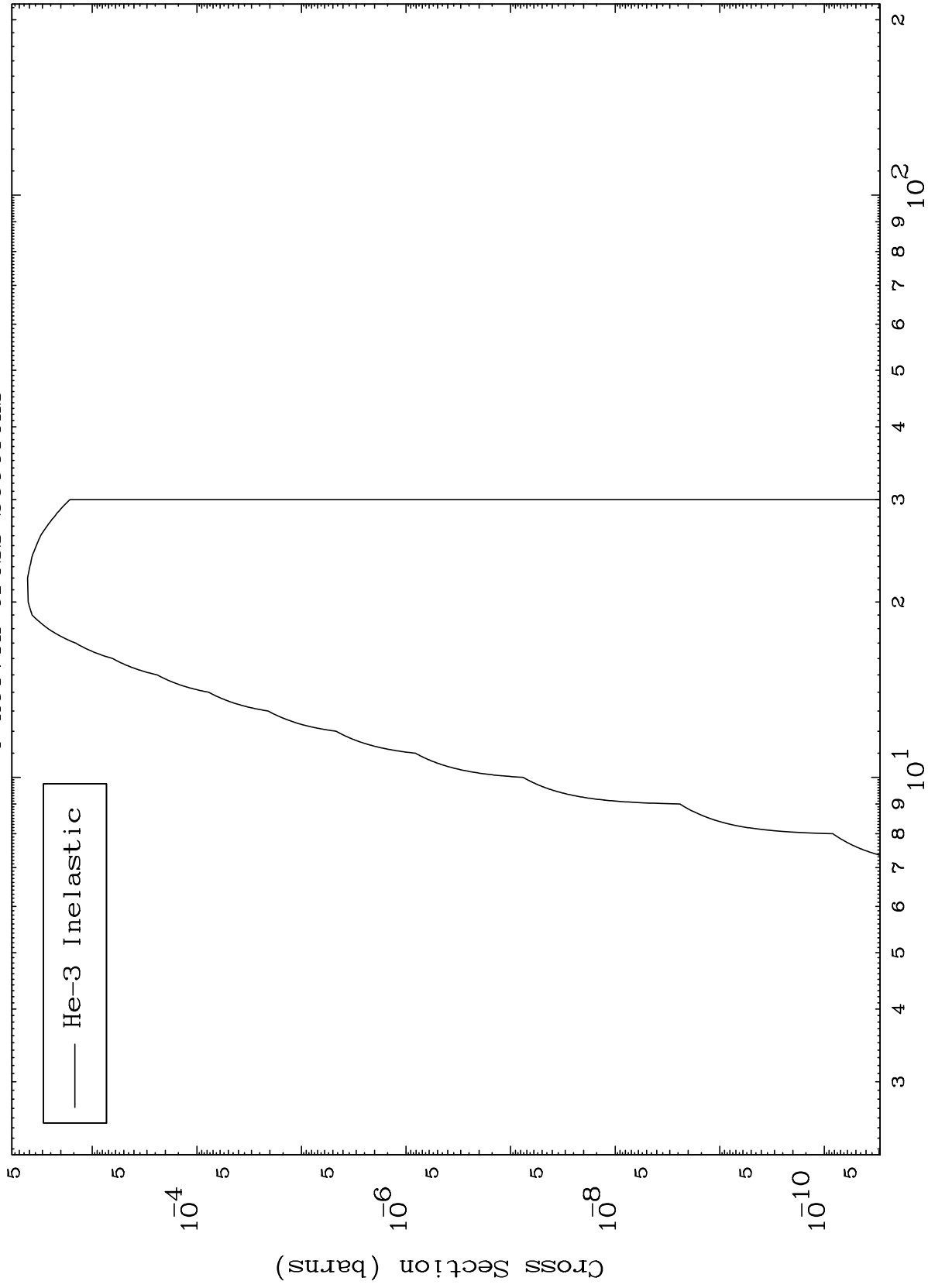
64-Gd-144



MAT 6401

(He-3, n') Level  
0 Kelvin Cross Sections

64-Gd-144



5

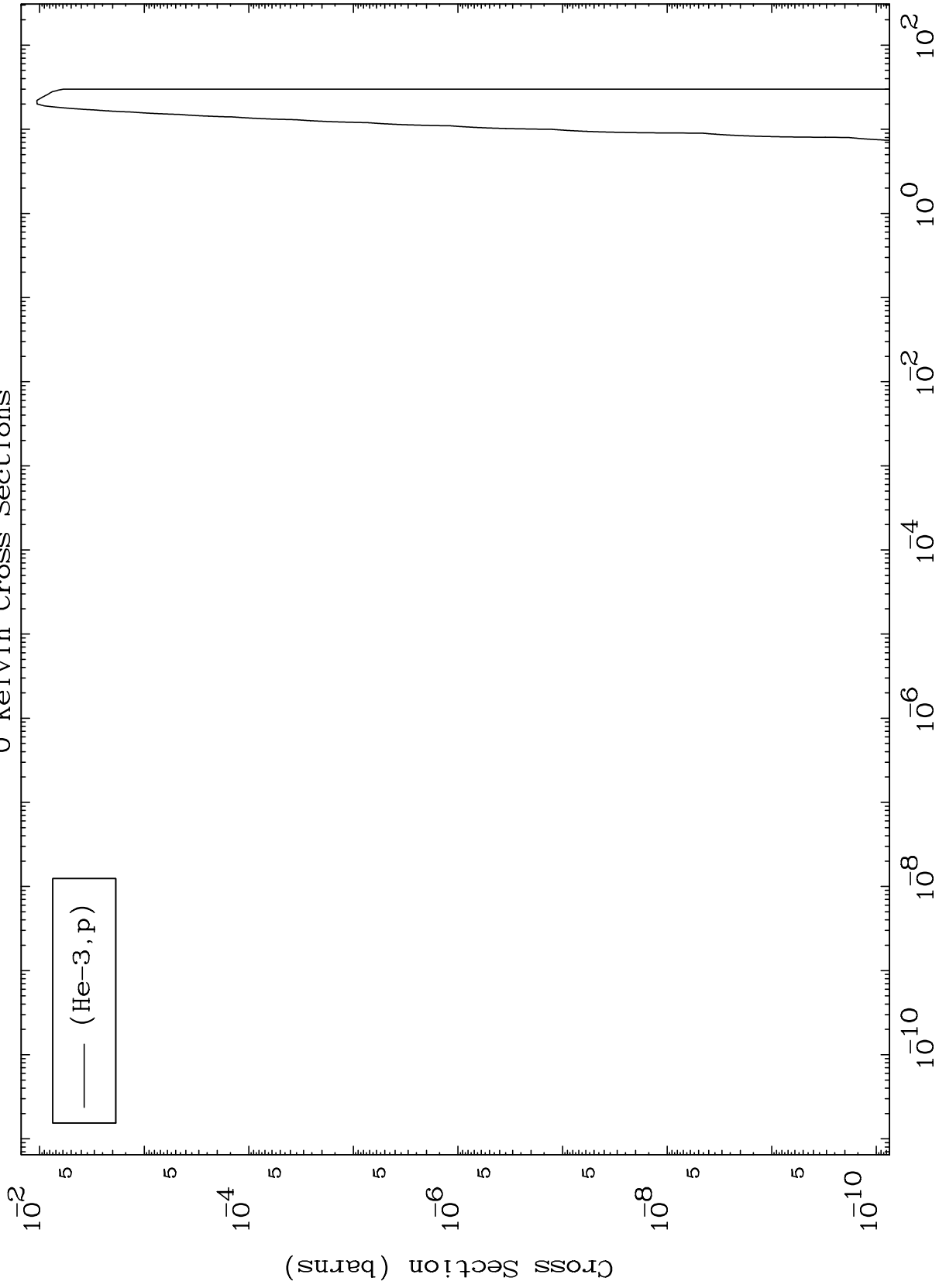
Incident Energy (MeV)

64-Gd-144

MAT 6401

(He-3,p) Levels  
0 Kelvin Cross Sections

64-Gd-144



6

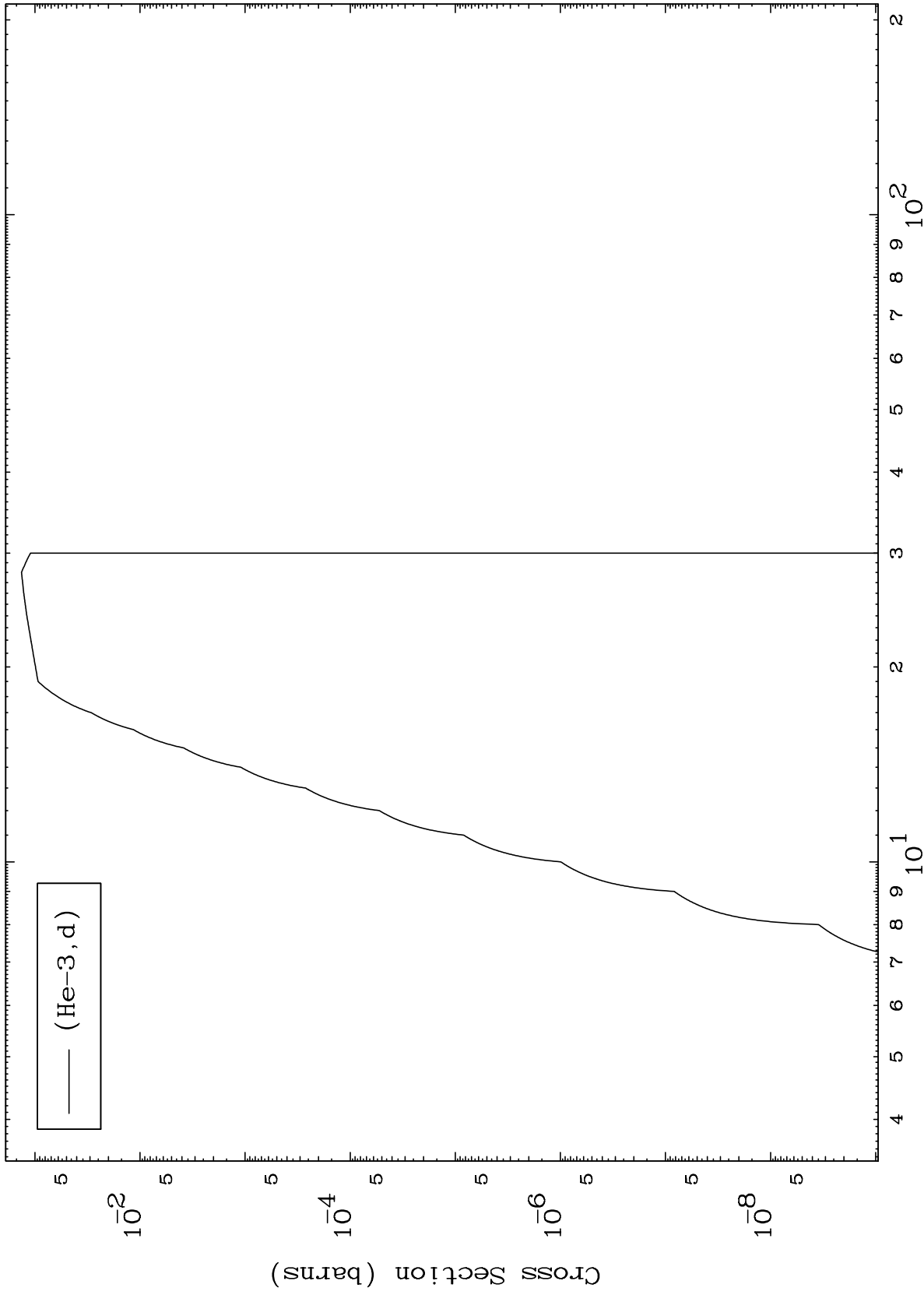
Incident Energy (MeV)

64-Gd-144

MAT 6401

(He-3, d) Levels  
0 Kelvin Cross Sections

64-Gd-144



7

Incident Energy (MeV)

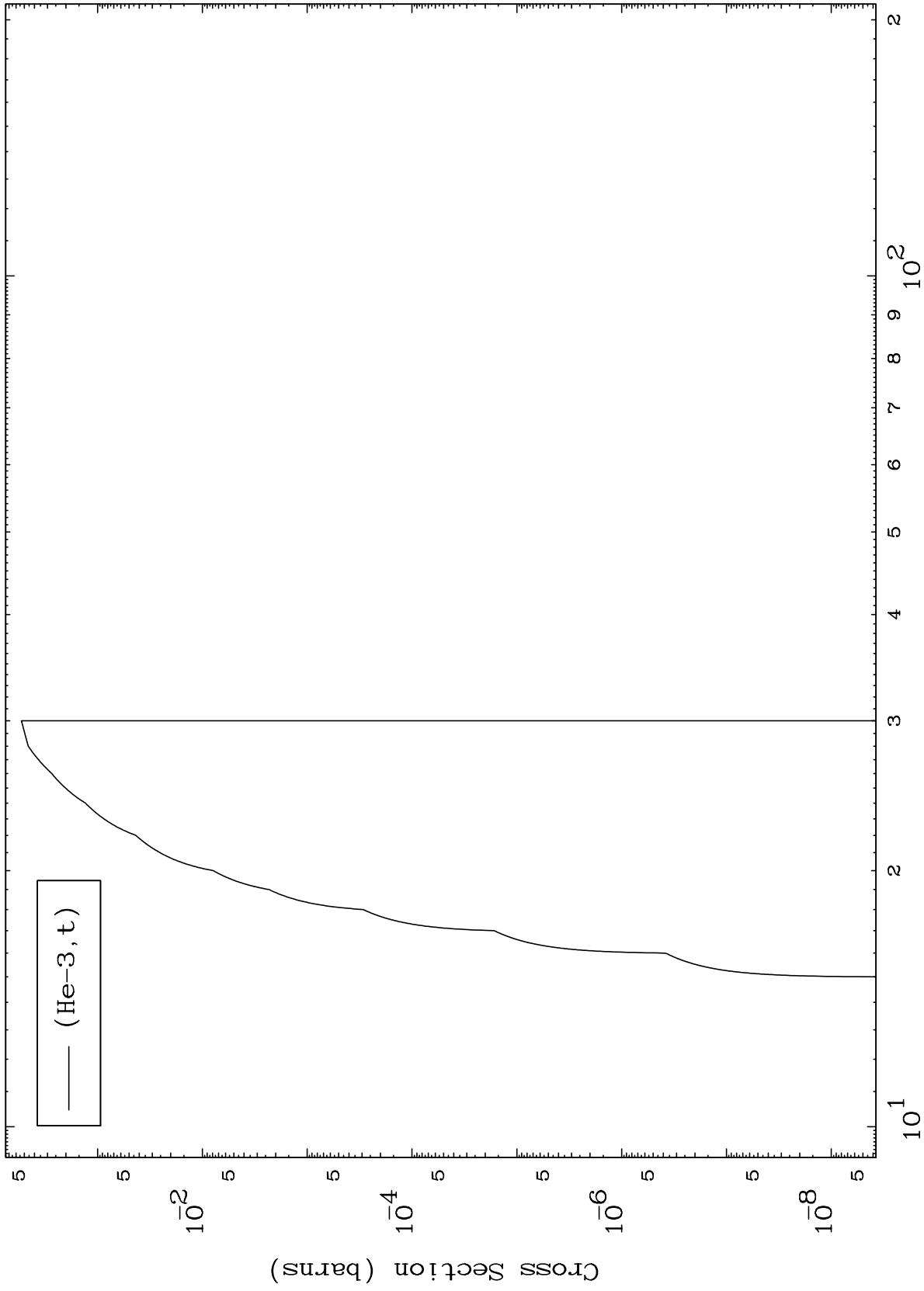
64-Gd-144



MAT 6401

(He-3, t) Levels  
0 Kelvin Cross Sections

64-Gd-144



8

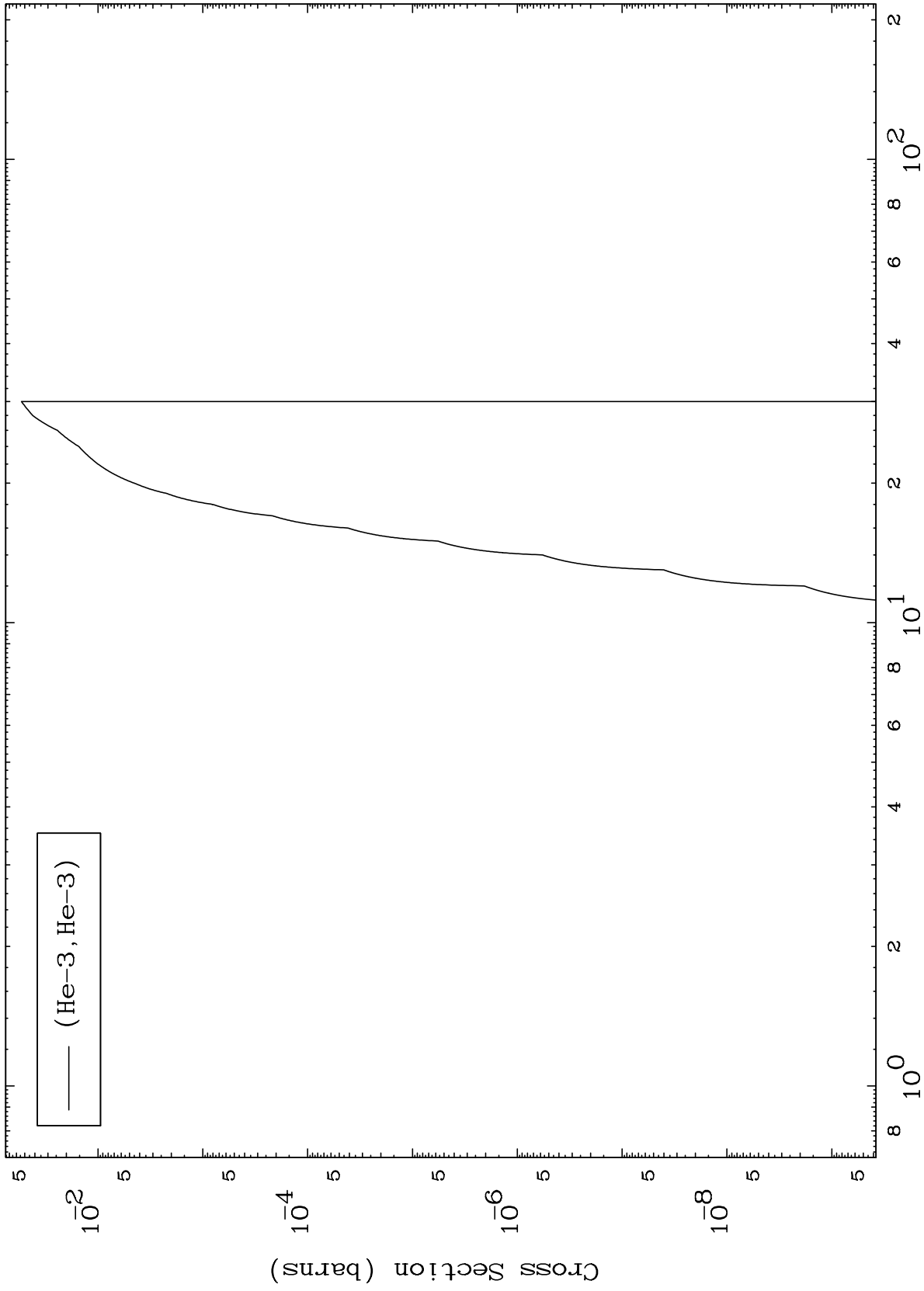
Incident Energy (MeV)

64-Gd-144

MAT 6401

(He-3, He3) Levels  
0 Kelvin Cross Sections

64-Gd-144



9

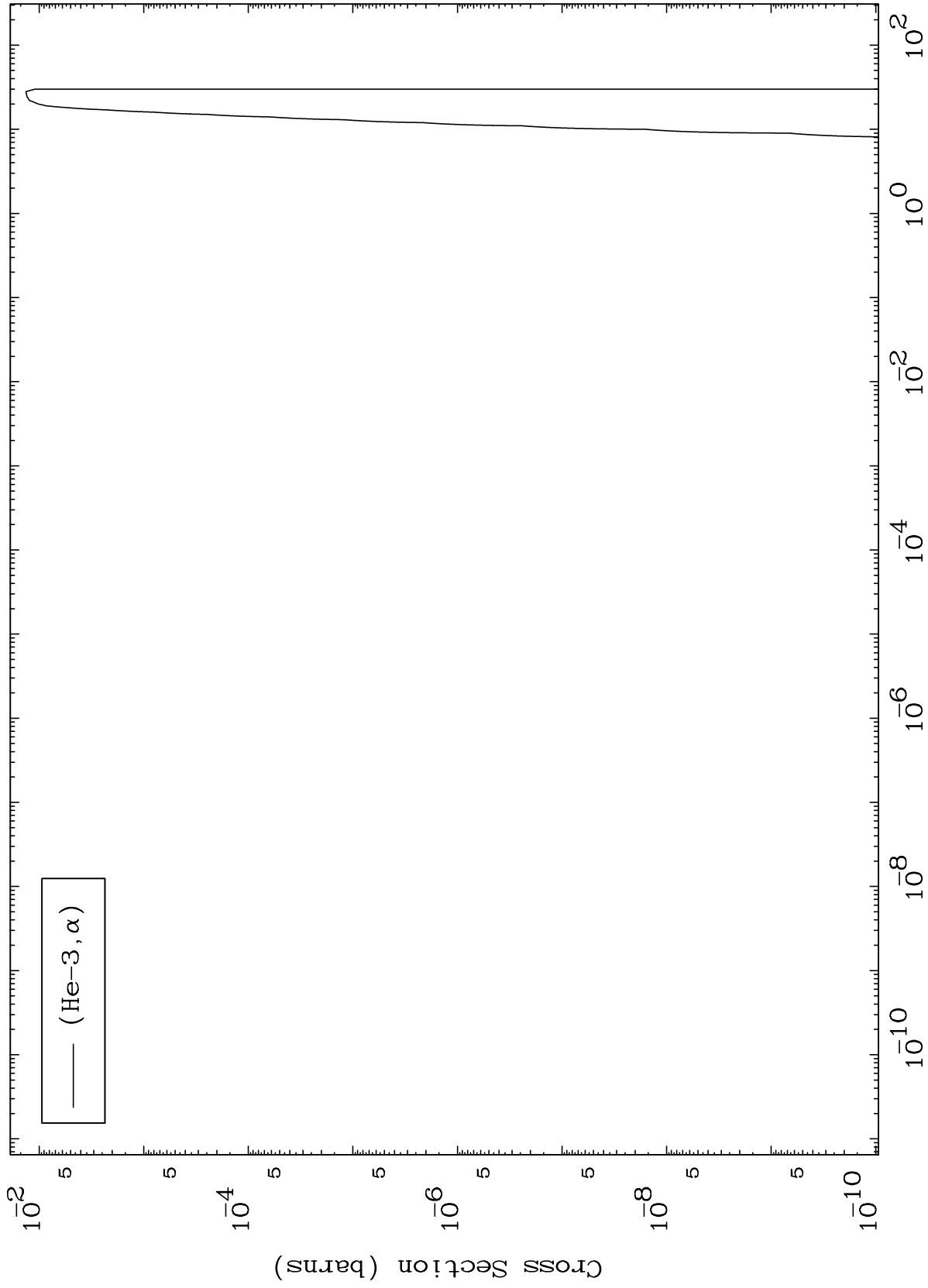
Incident Energy (MeV)

64-Gd-144

MAT 6401

(He-3,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

64-Gd-144



10

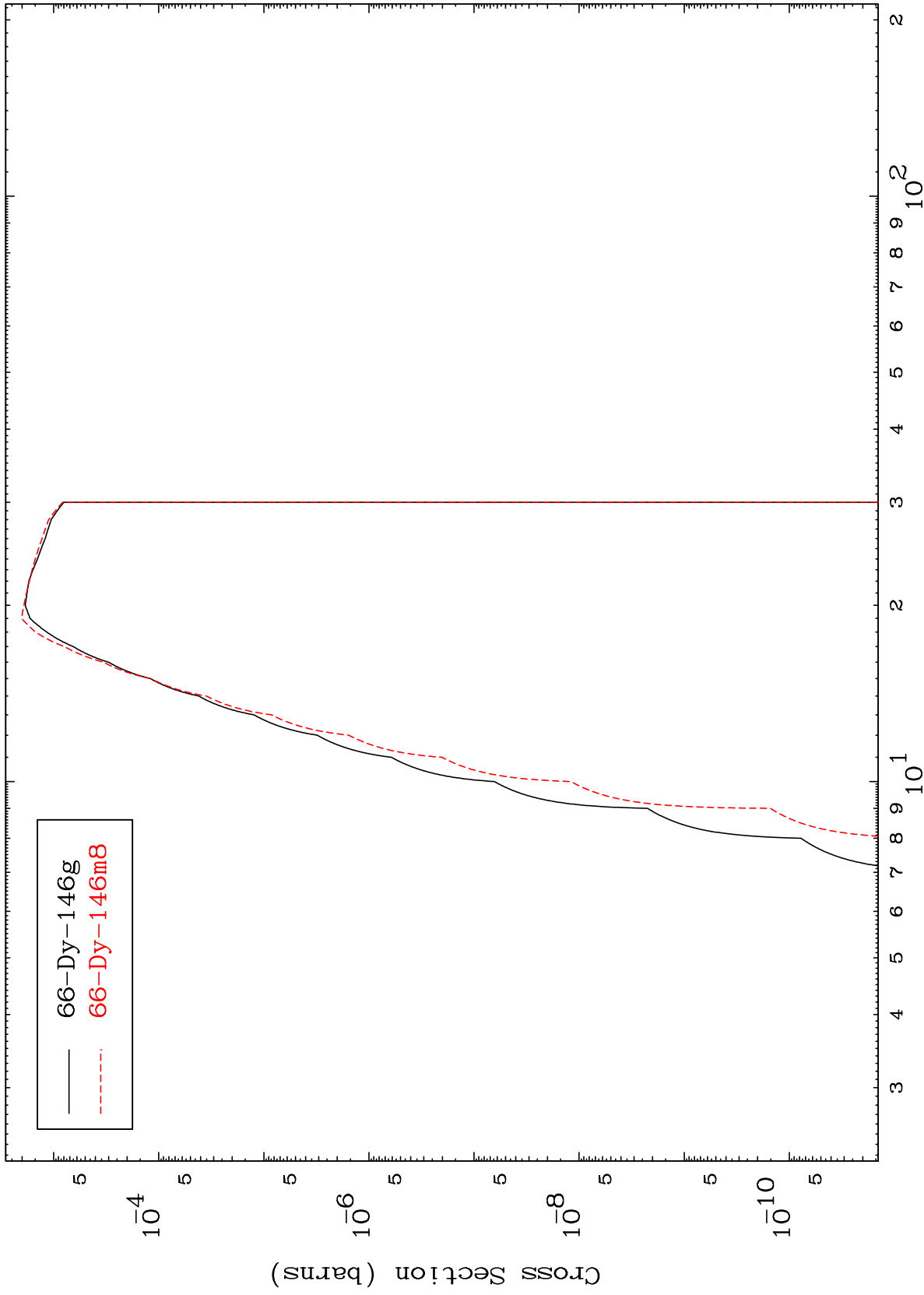
Incident Energy (MeV)

64-Gd-144

MAT 6401

He-3 Inelastic  
Radionuclide Production Cross Section

64-Gd-144



11

Incident Energy (MeV)

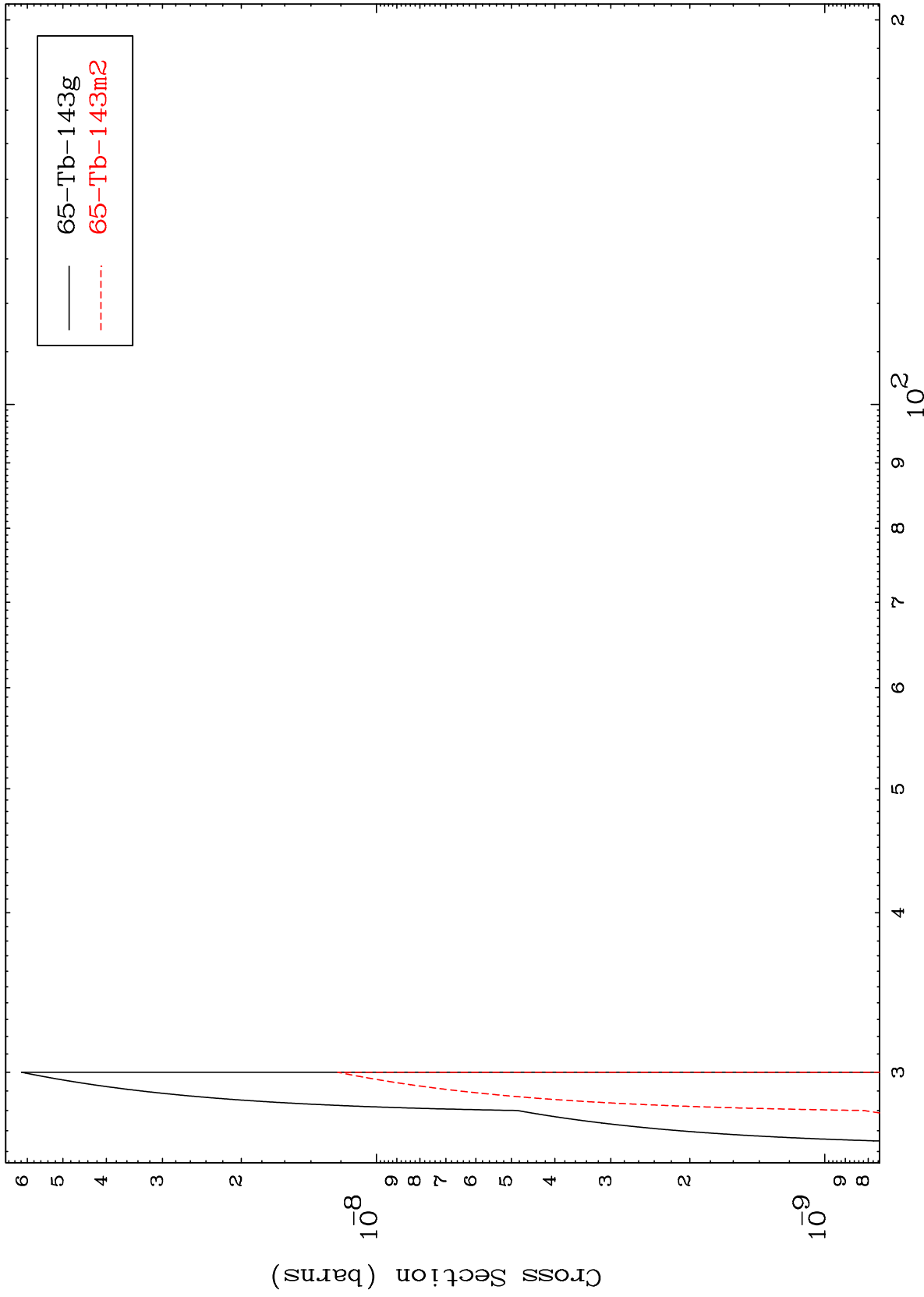
64-Gd-144

MAT 6401

(He-3,2n) d

64-Gd-144

Radionuclide Production Cross Section



12

Incident Energy (MeV)

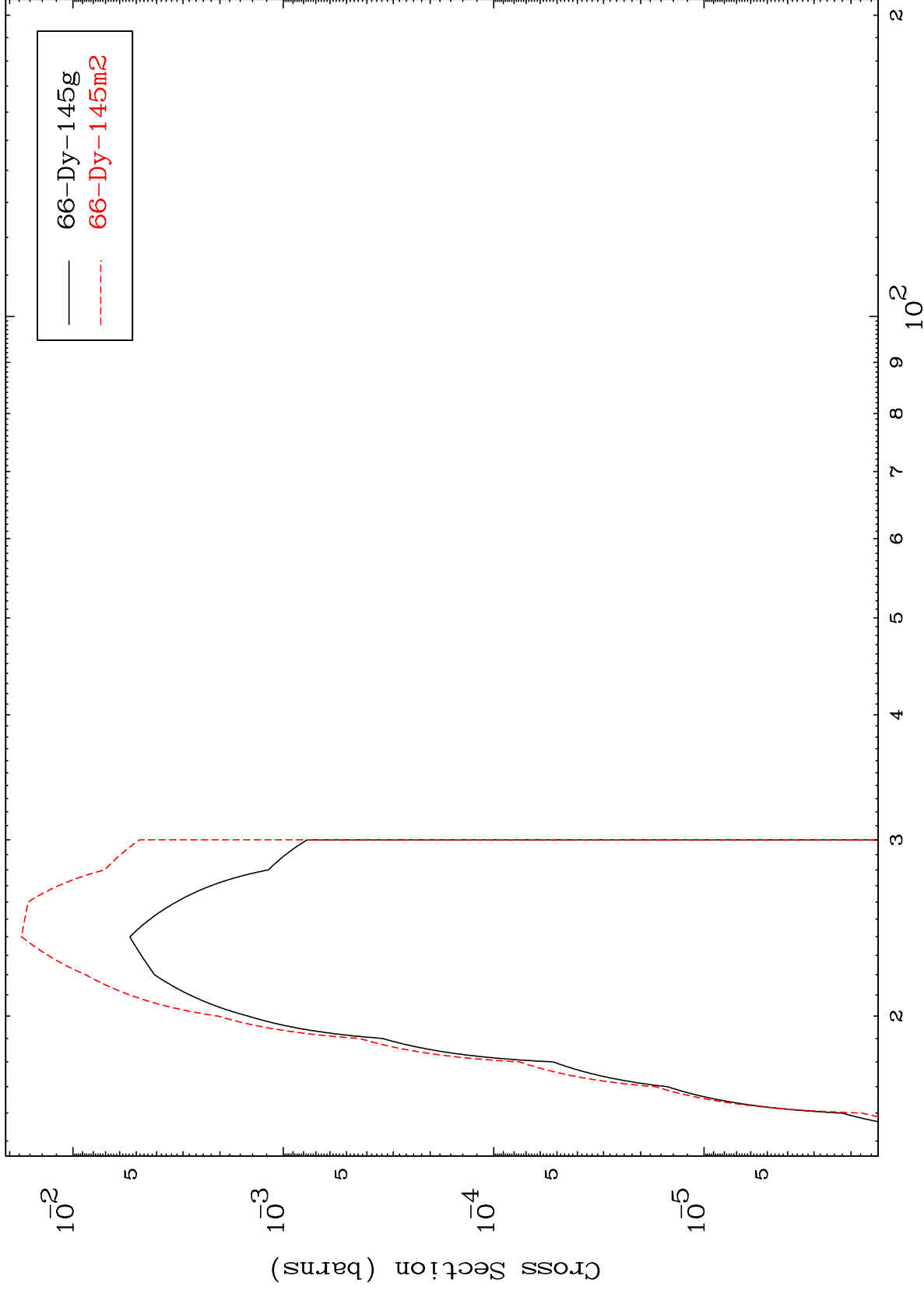
64-Gd-144

MAT 6401

(He-3,2n)

64-Gd-144

Radionuclide Production Cross Section



13

Incident Energy (MeV)

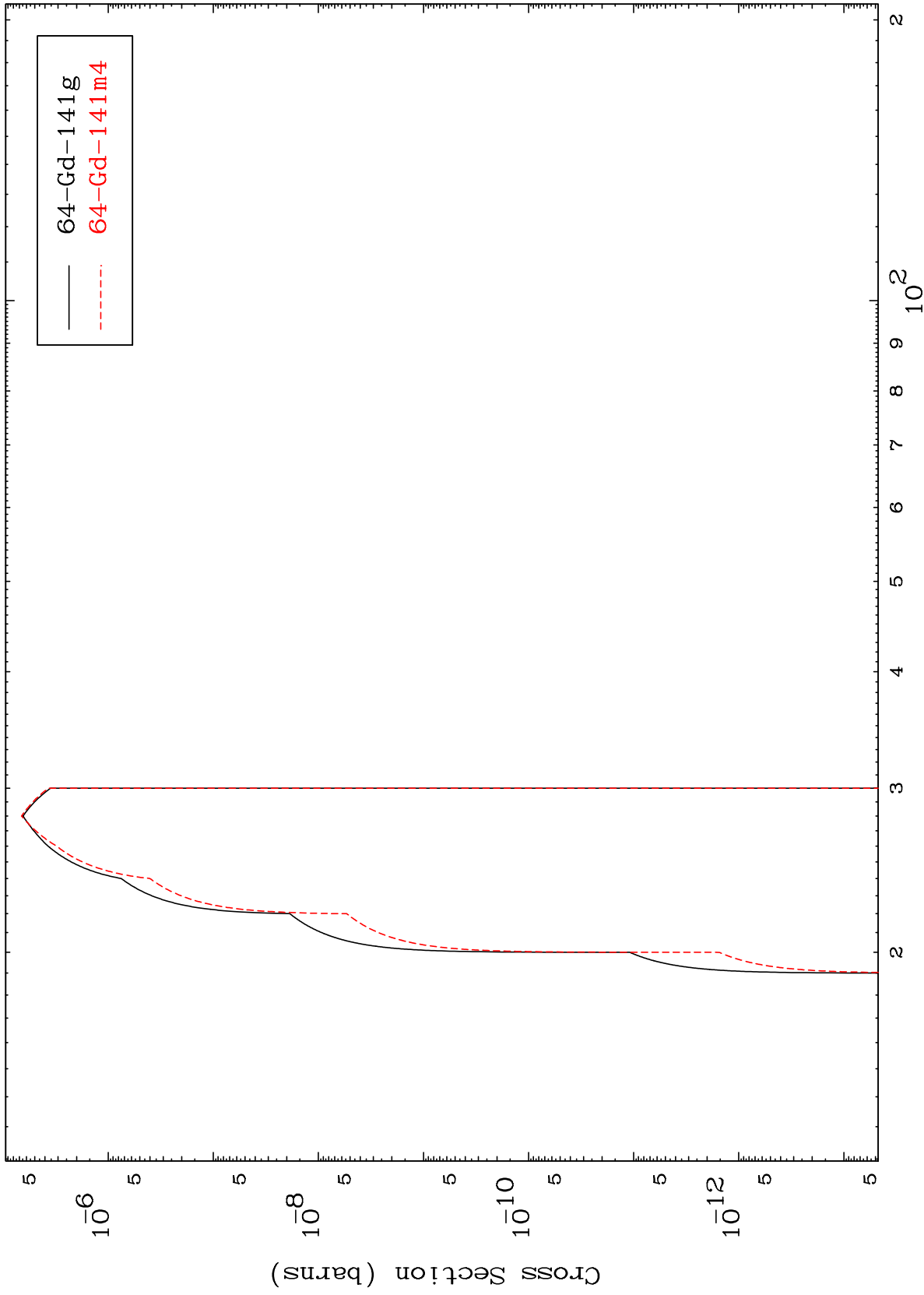
64-Gd-144

MAT 6401

(He-3,2n)  $\alpha$

64-Gd-144

Radionuclide Production Cross Section



14

Incident Energy (MeV)

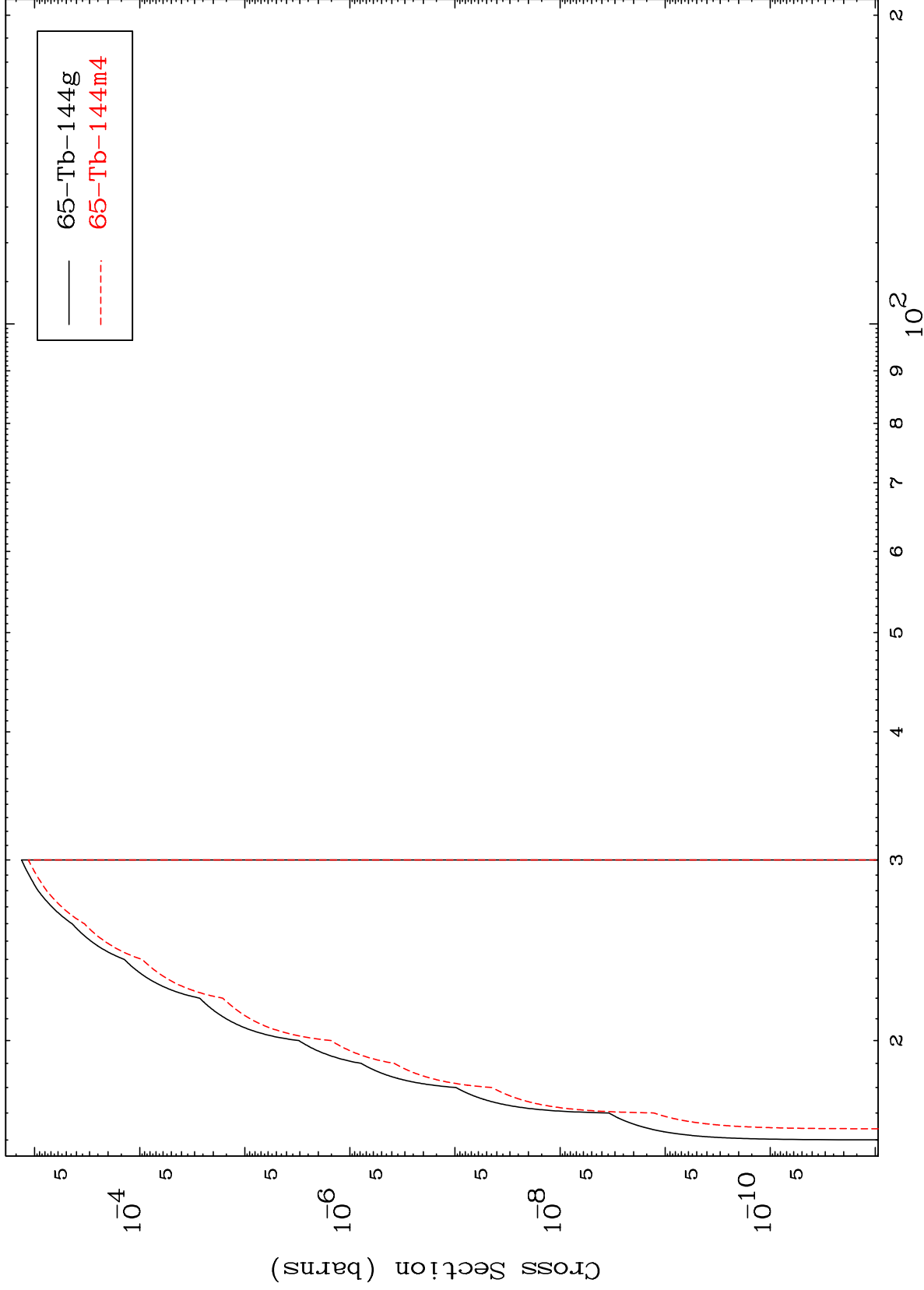
64-Gd-144

MAT 6401

(He-3, n') d

64-Gd-144

Radionuclide Production Cross Section



15

Incident Energy (MeV)

64-Gd-144



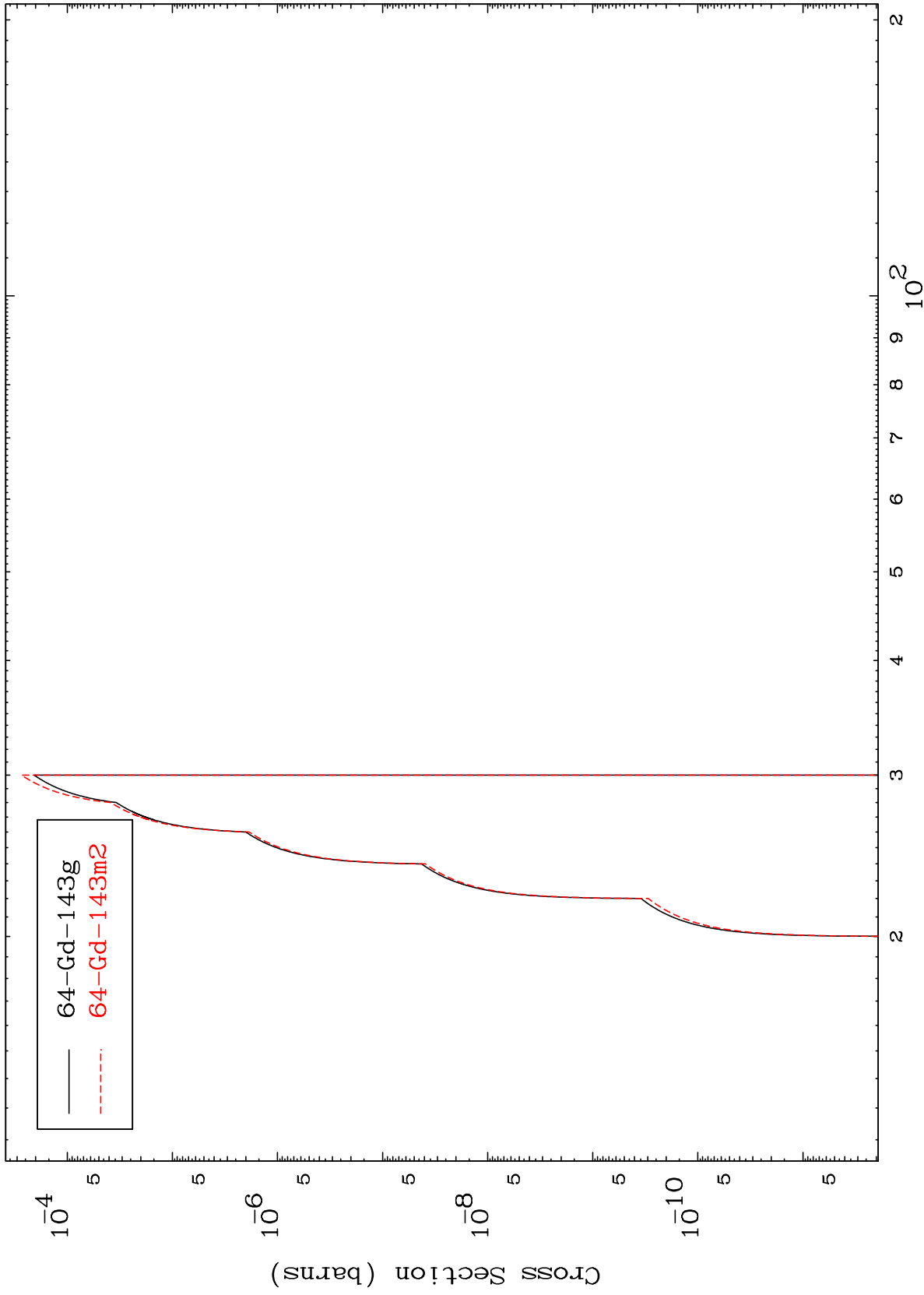


MAT 6401

(He-3, n') He-3

64-Gd-144

Radionuclide Production Cross Section



17

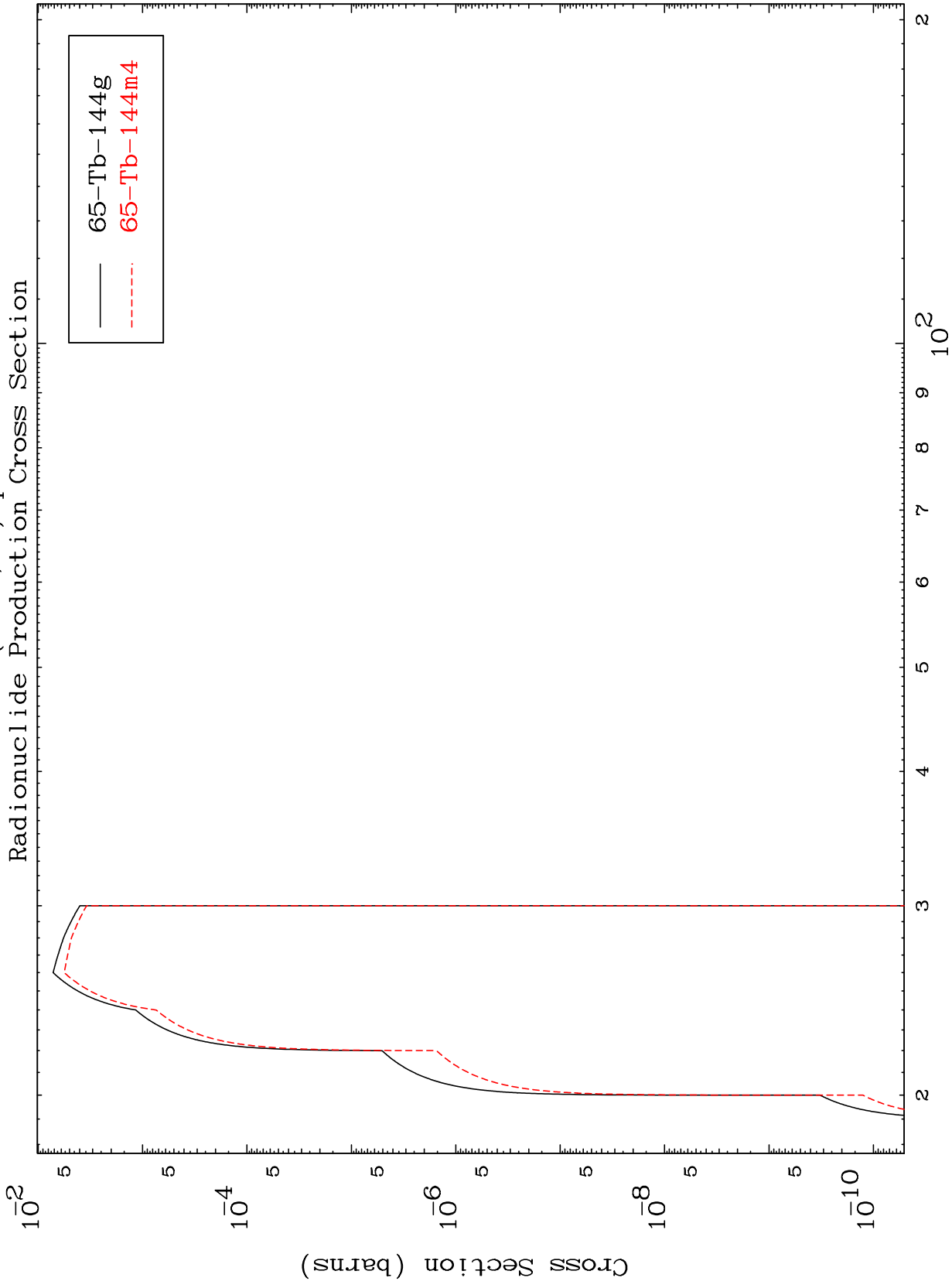
Incident Energy (MeV)

64-Gd-144

MAT 6401

(He-3,2n) p

64-Gd-144



18

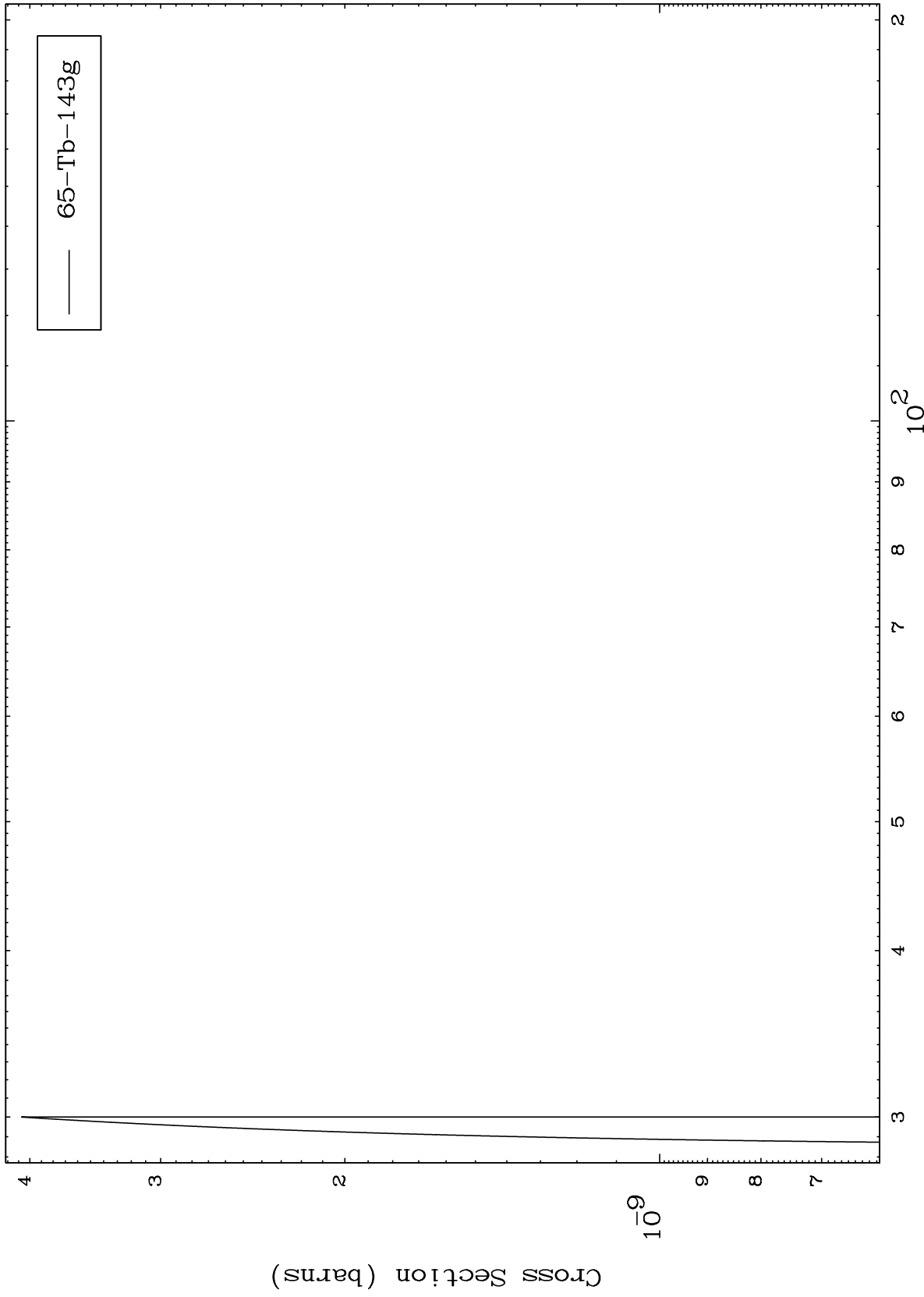
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(He-3,3n) p  
Radionuclide Production Cross Section



64-Gd-144

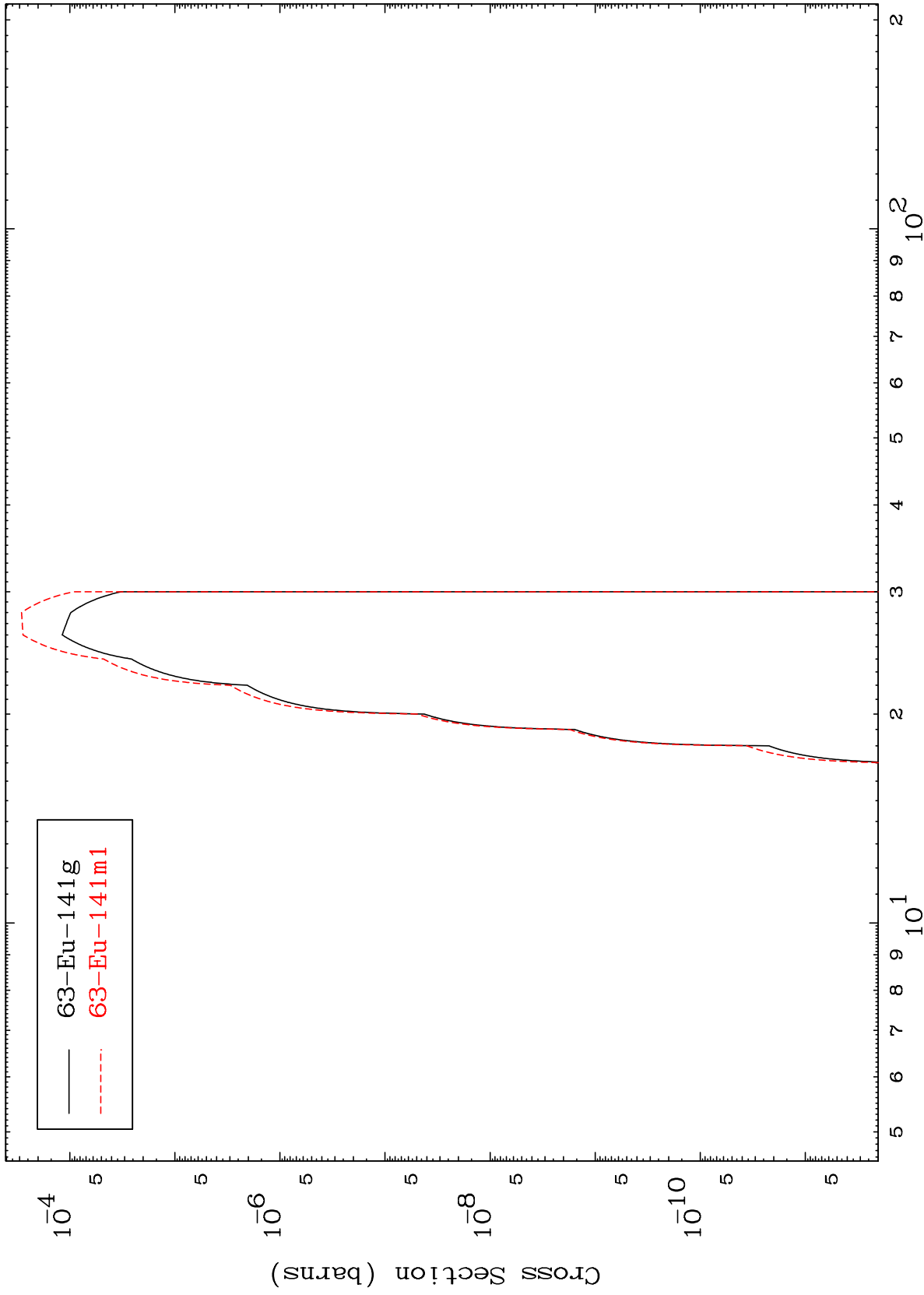
Incident Energy (MeV)

19

MAT 6401

64-Gd-144

(He-3, n') p  $\alpha$   
Radionuclide Production Cross Section



20

Incident Energy (MeV)

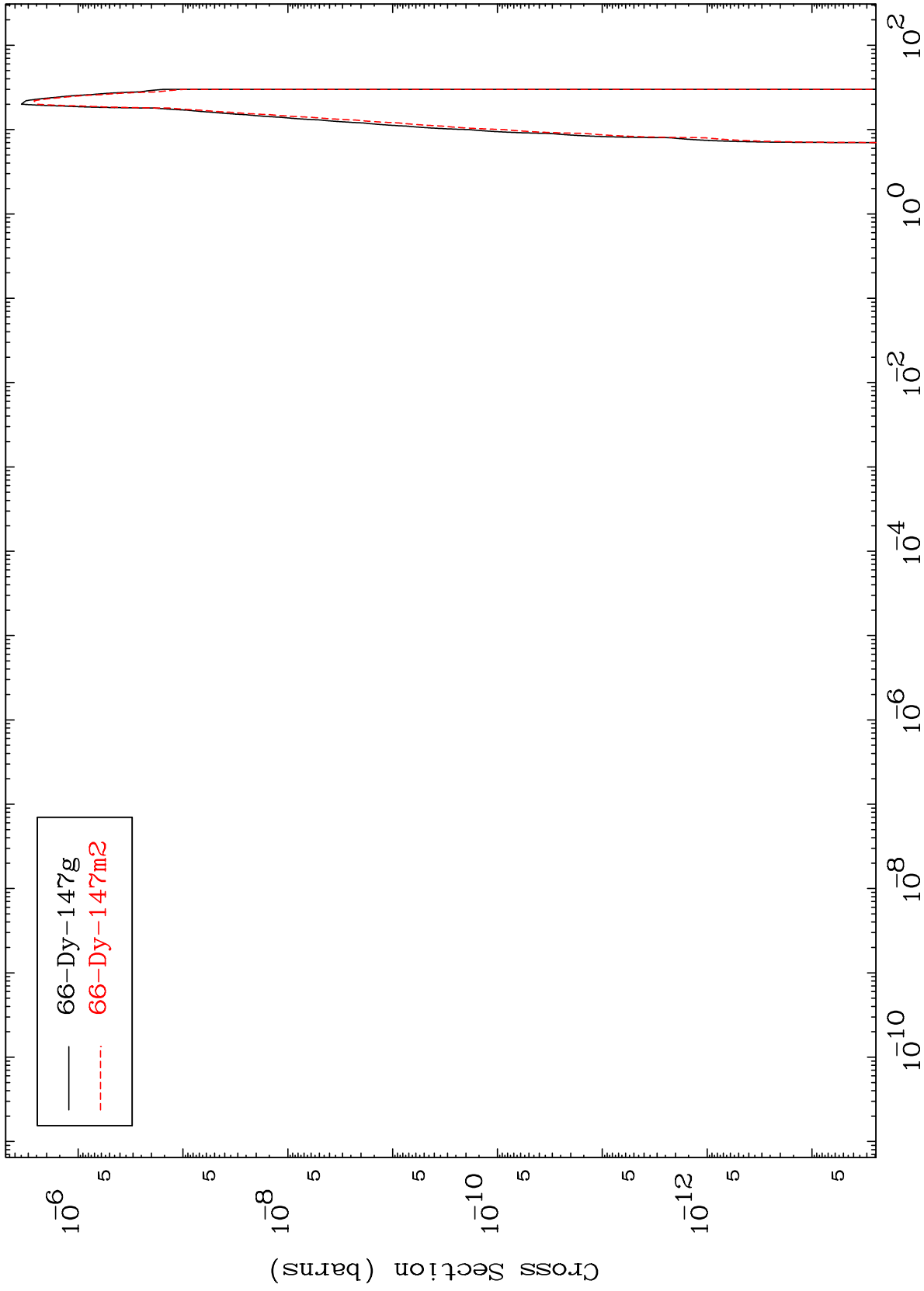
64-Gd-144

MAT 6401

(He-3,  $\gamma$ )

64-Gd-144

Radionuclide Production Cross Section

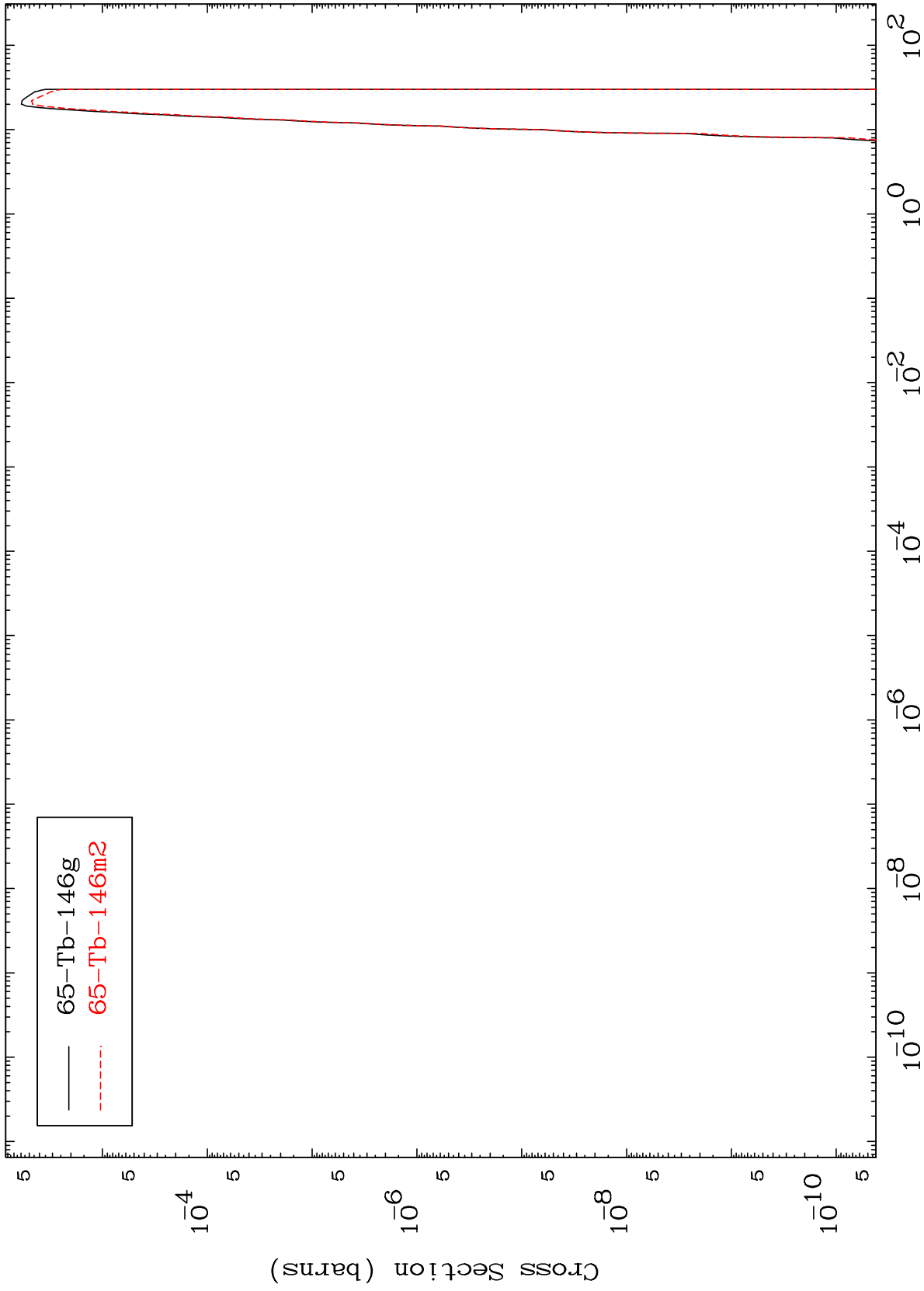


MAT 6401

(He-3,p)

64-Gd-144

Radionuclide Production Cross Section



22

Incident Energy (MeV)

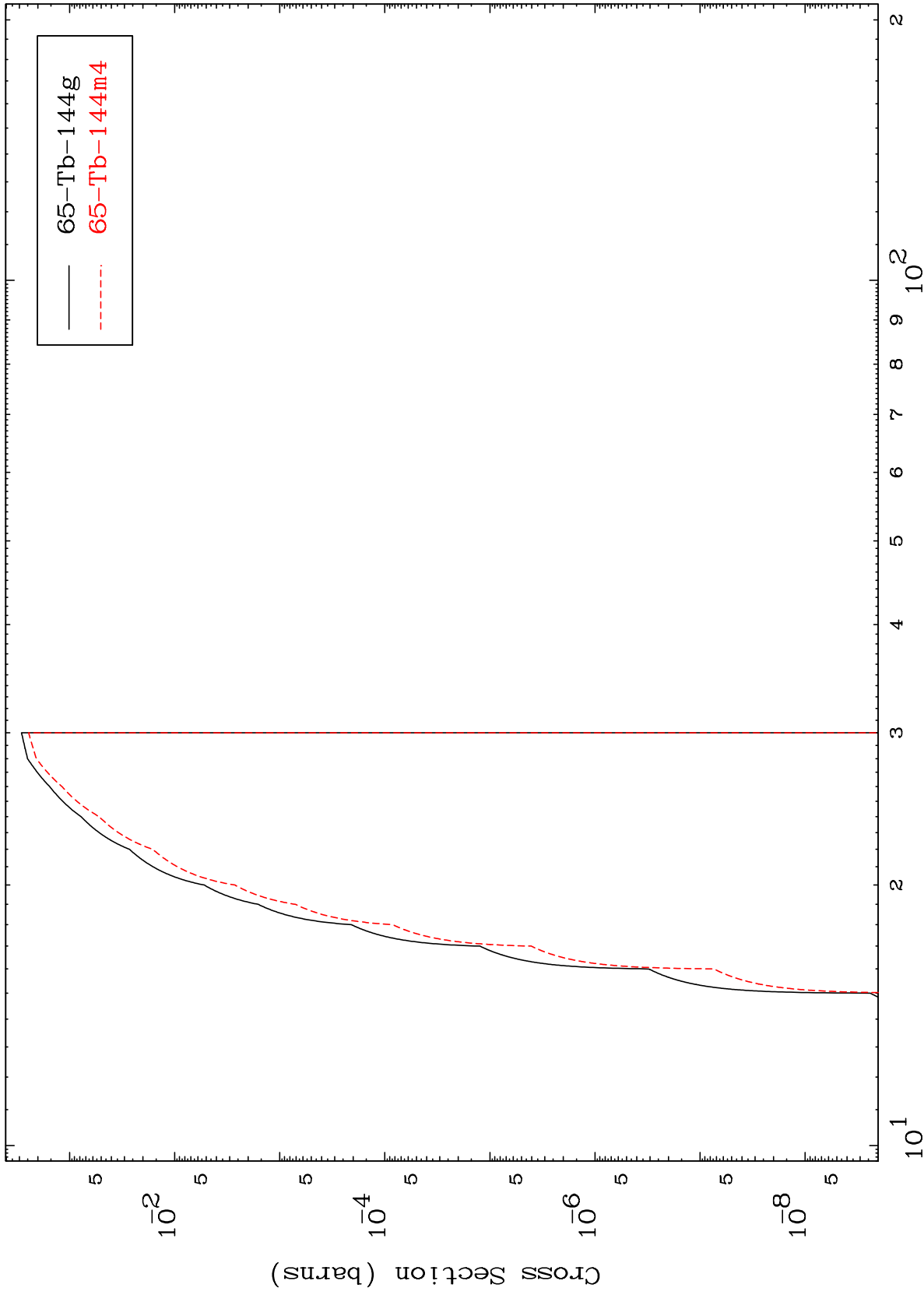
64-Gd-144

MAT 6401

(He-3, t)

64-Gd-144

Radionuclide Production Cross Section



23

Incident Energy (MeV)

64-Gd-144

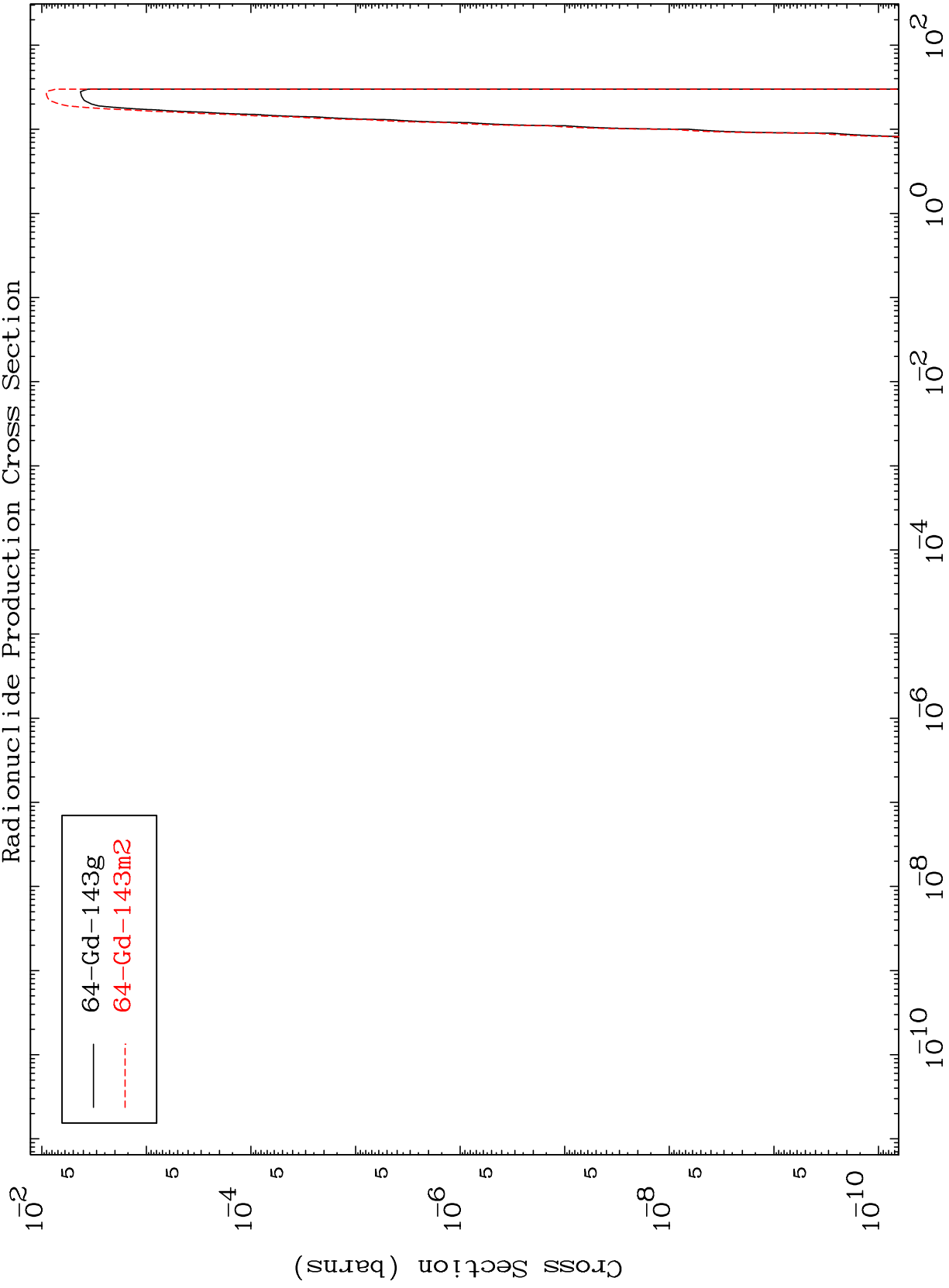


MAT 6401

(He-3,  $\alpha$ )

64-Gd-144

Radionuclide Production Cross Section



24

Incident Energy (MeV)

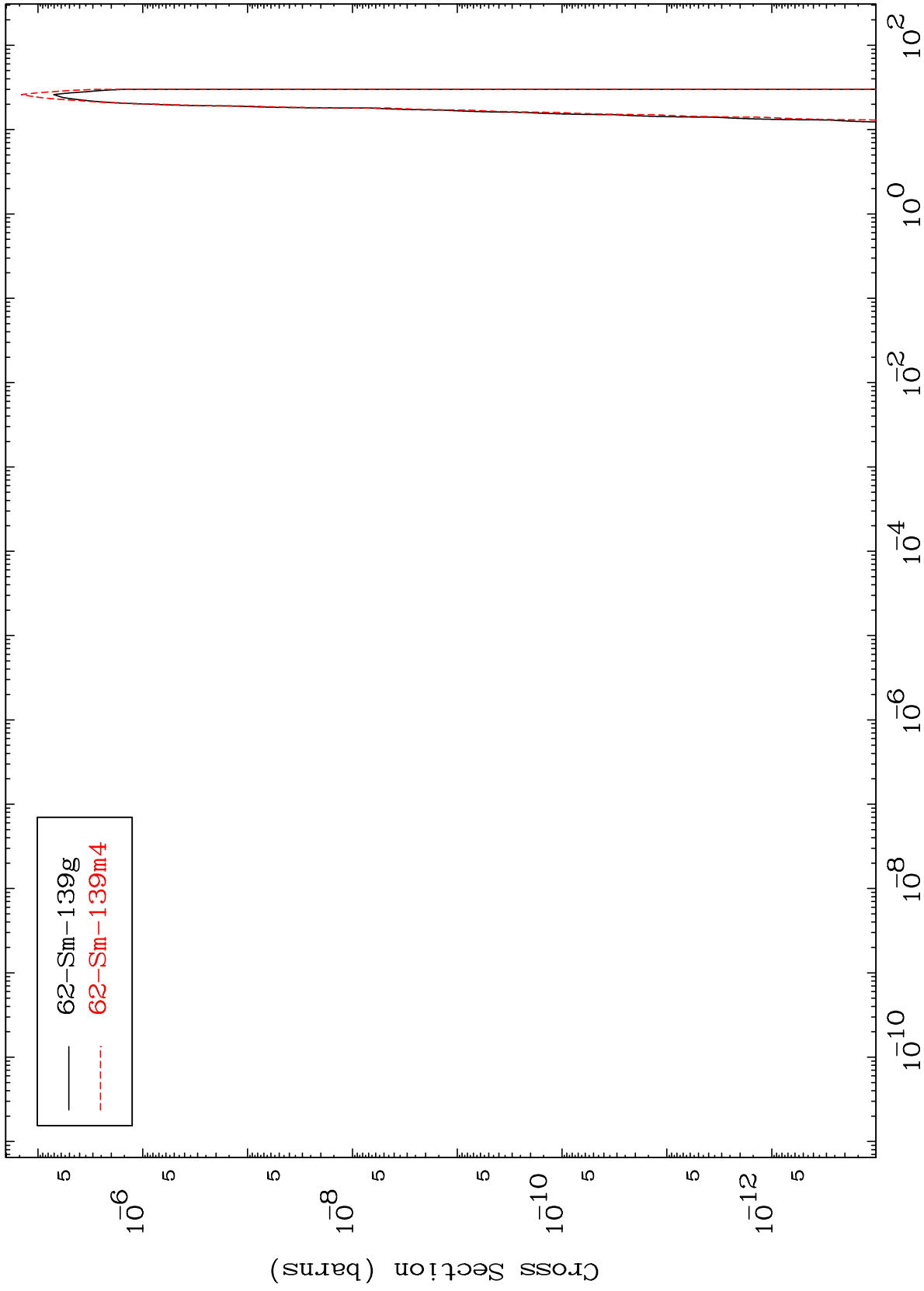
64-Gd-144

MAT 6401

(He-3, 2α)

64-Gd-144

Radionuclide Production Cross Section



25

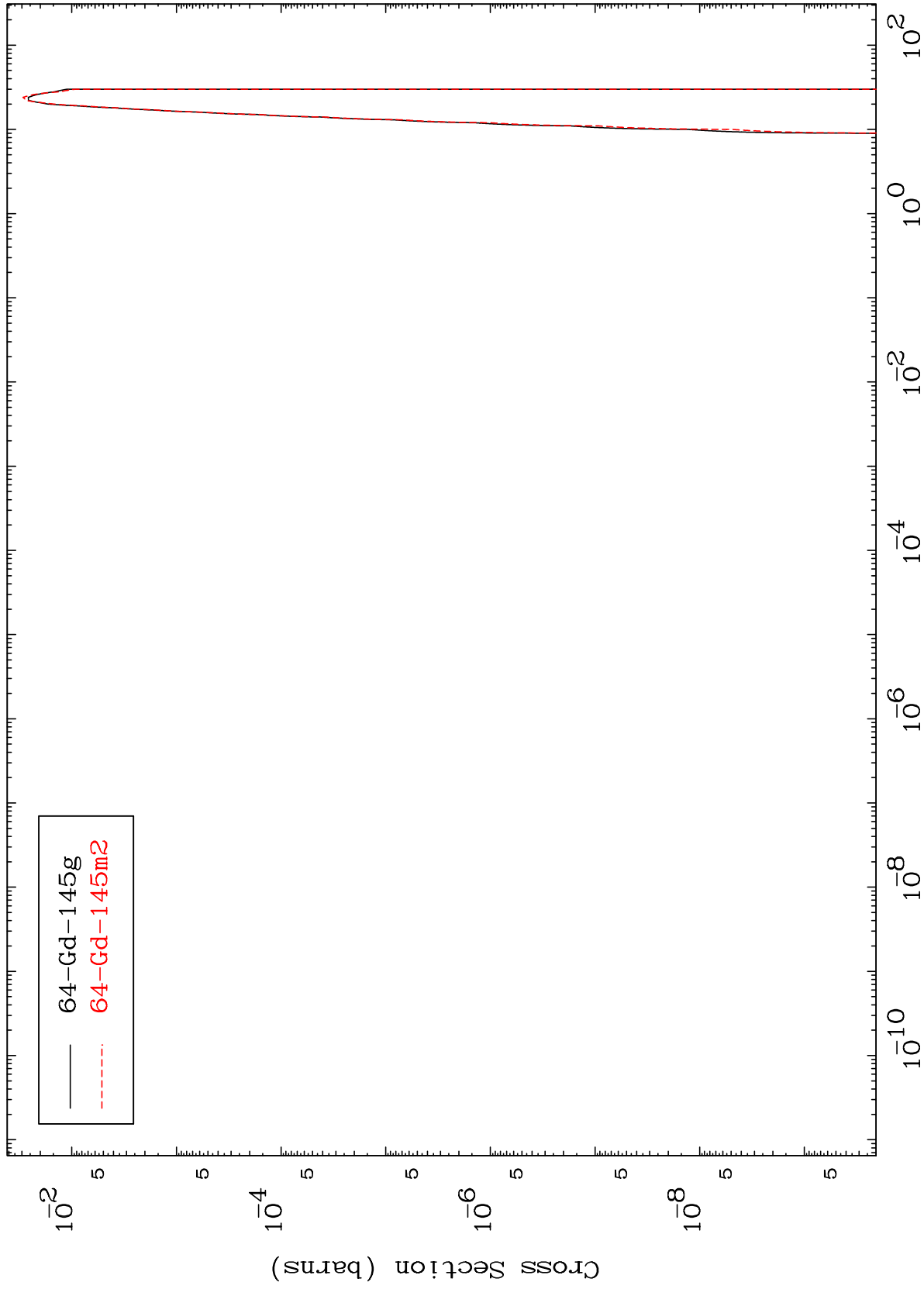
Incident Energy (MeV)

64-Gd-144

MAT 6401

Radionuclide Production Cross Section  
(He-3,2p)

64-Gd-144



26

Incident Energy (MeV)

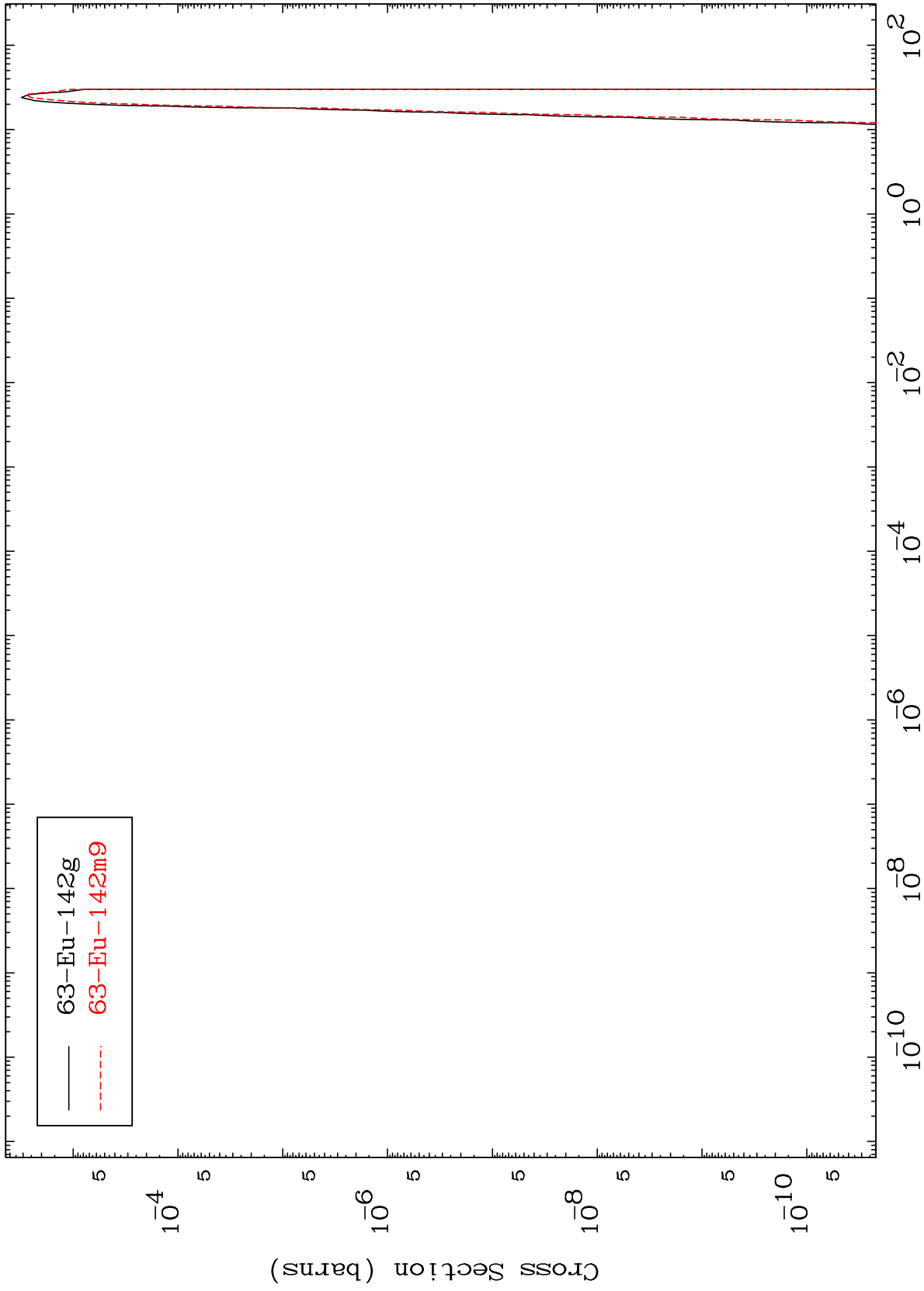
64-Gd-144

MAT 6401

(He-3,p)  $\alpha$

64-Gd-144

Radionuclide Production Cross Section



27

Incident Energy (MeV)

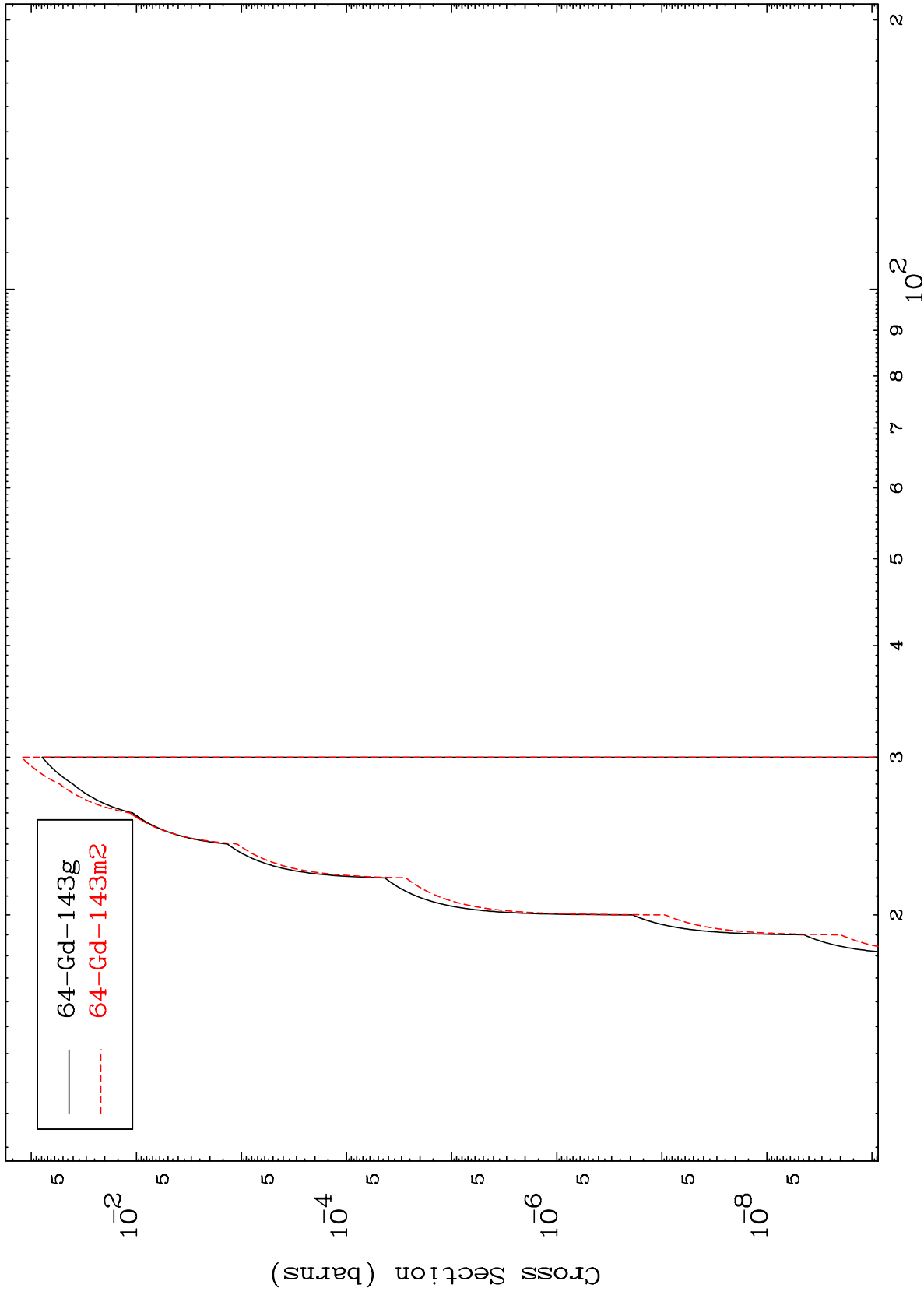
64-Gd-144

MAT 6401

(He-3,p) t

64-Gd-144

Radionuclide Production Cross Section



28

Incident Energy (MeV)

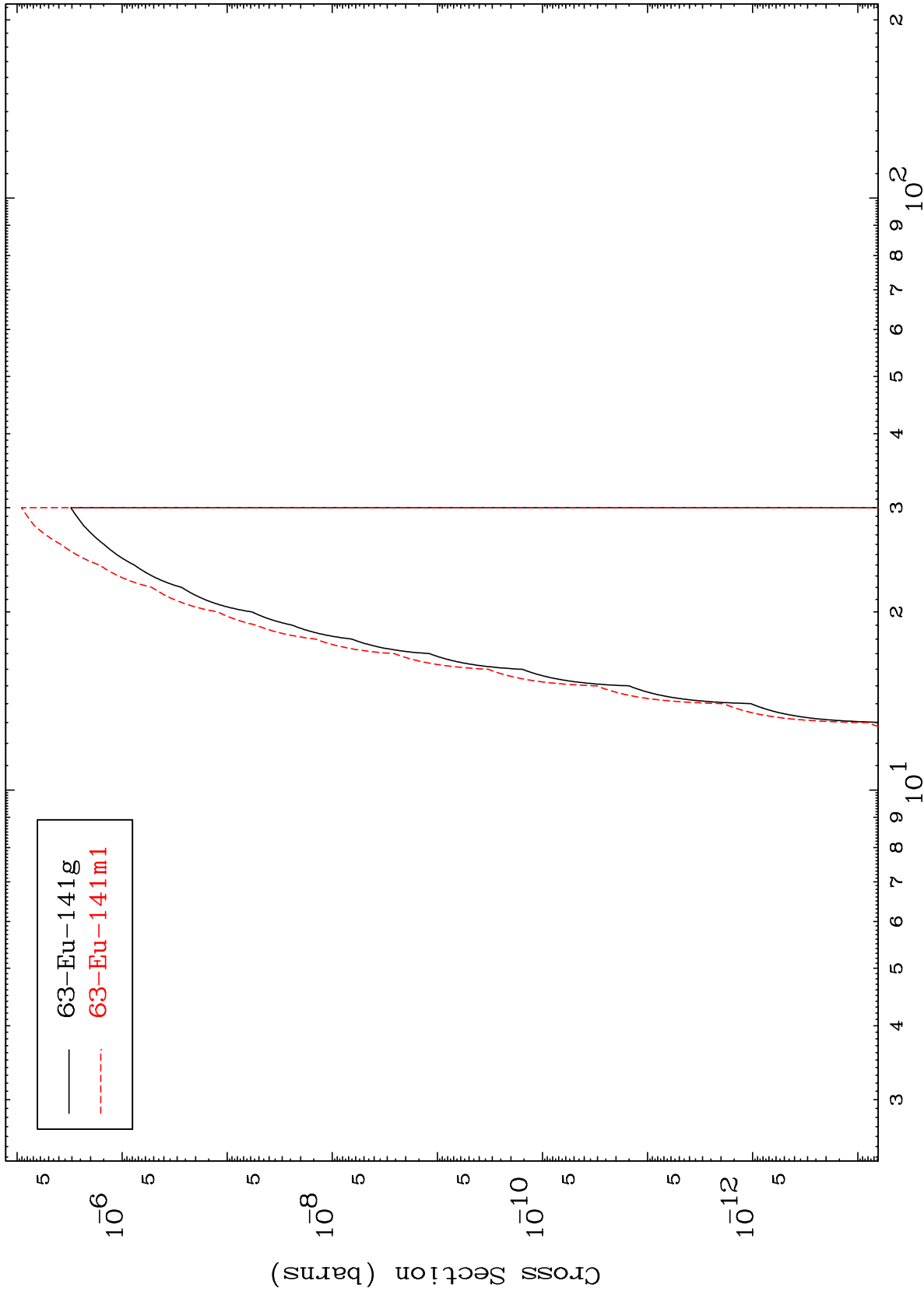
64-Gd-144

MAT 6401

(He-3,d)  $\alpha$

64-Gd-144

Radionuclide Production Cross Section



63-Eu-141g  
63-Eu-141m1

29

Incident Energy (MeV)

64-Gd-144