

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

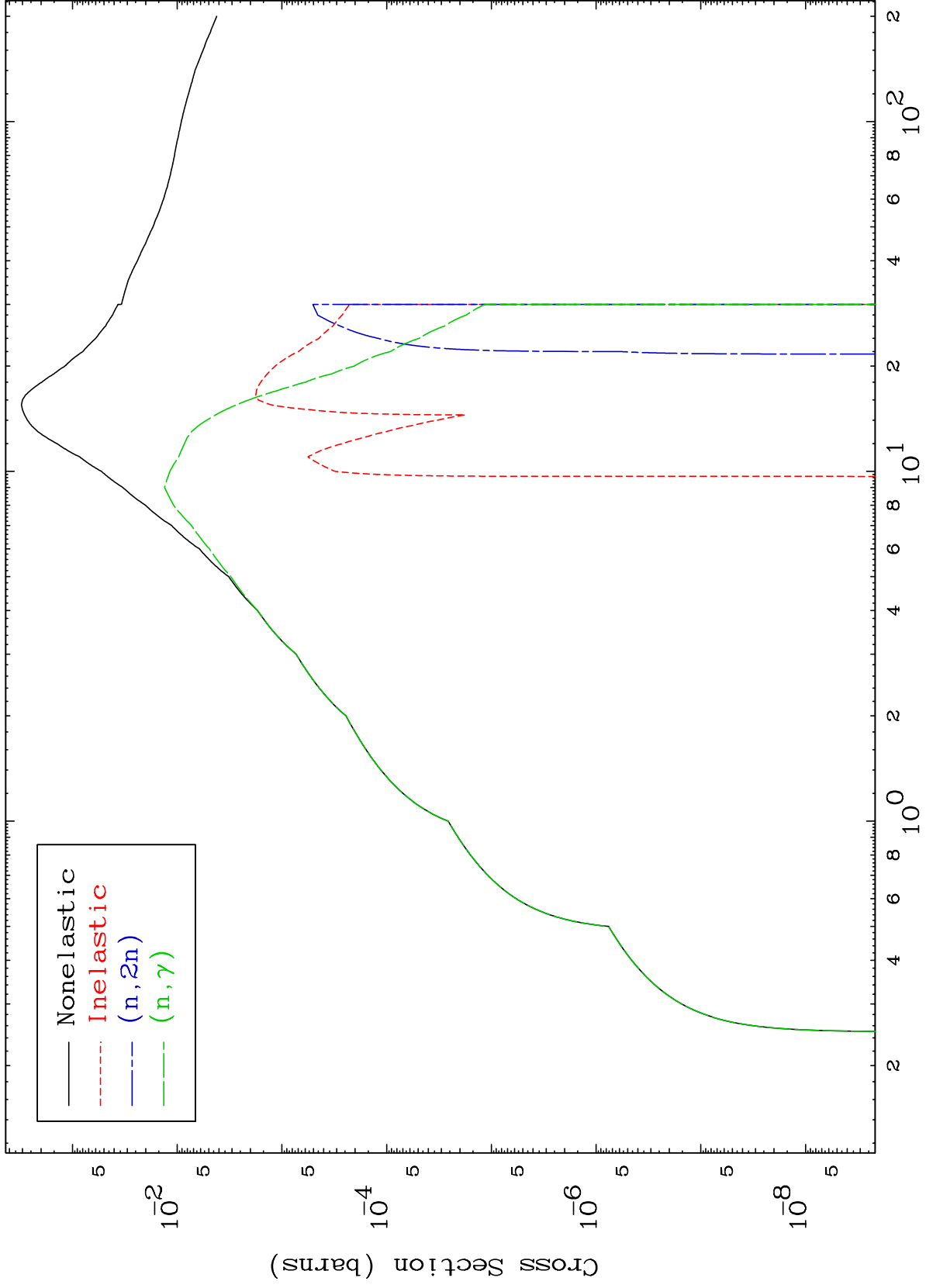
Web:redcullen1.net/HOMEPAGE.NEW

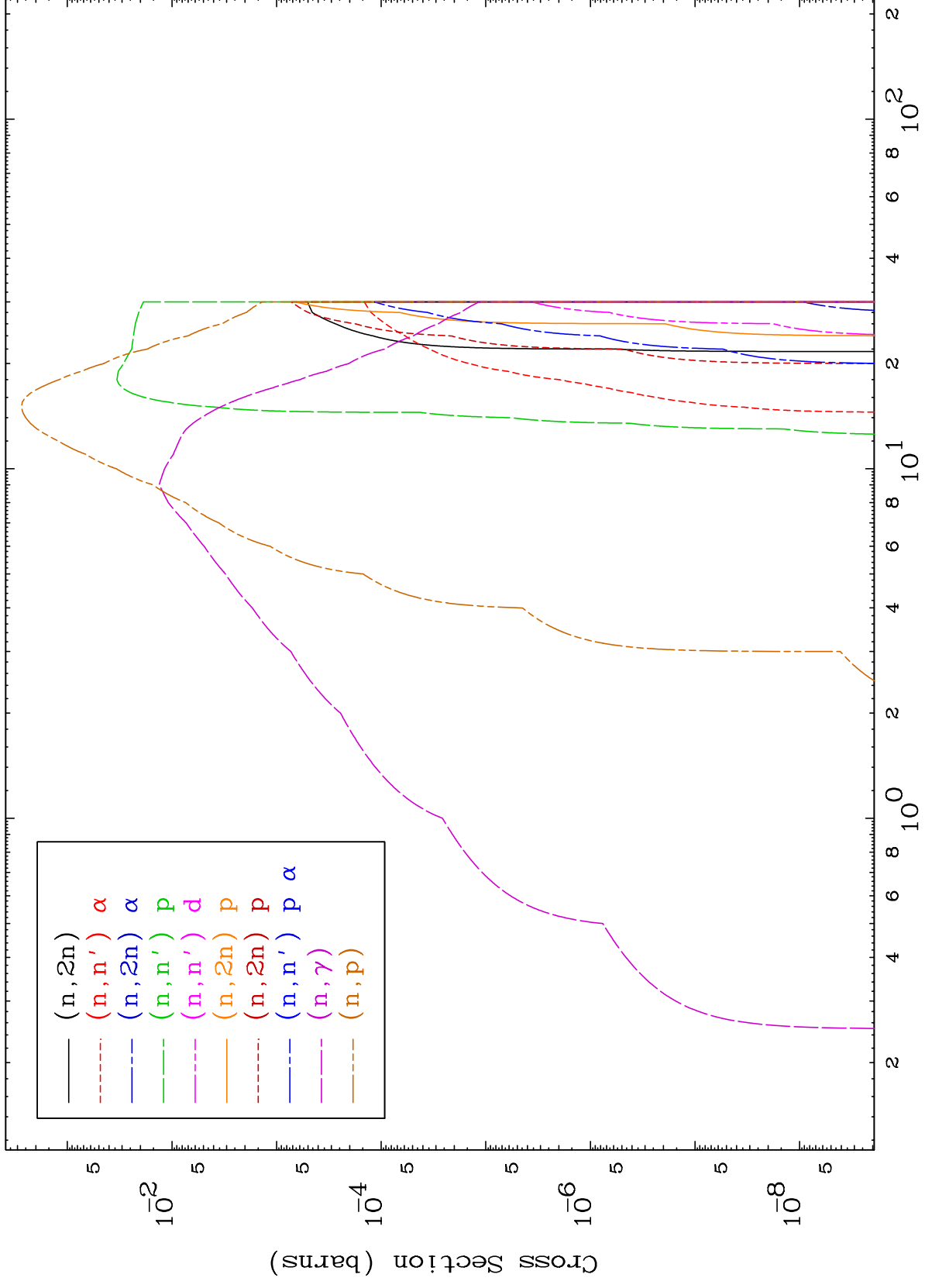
Press Mouse Button to Start

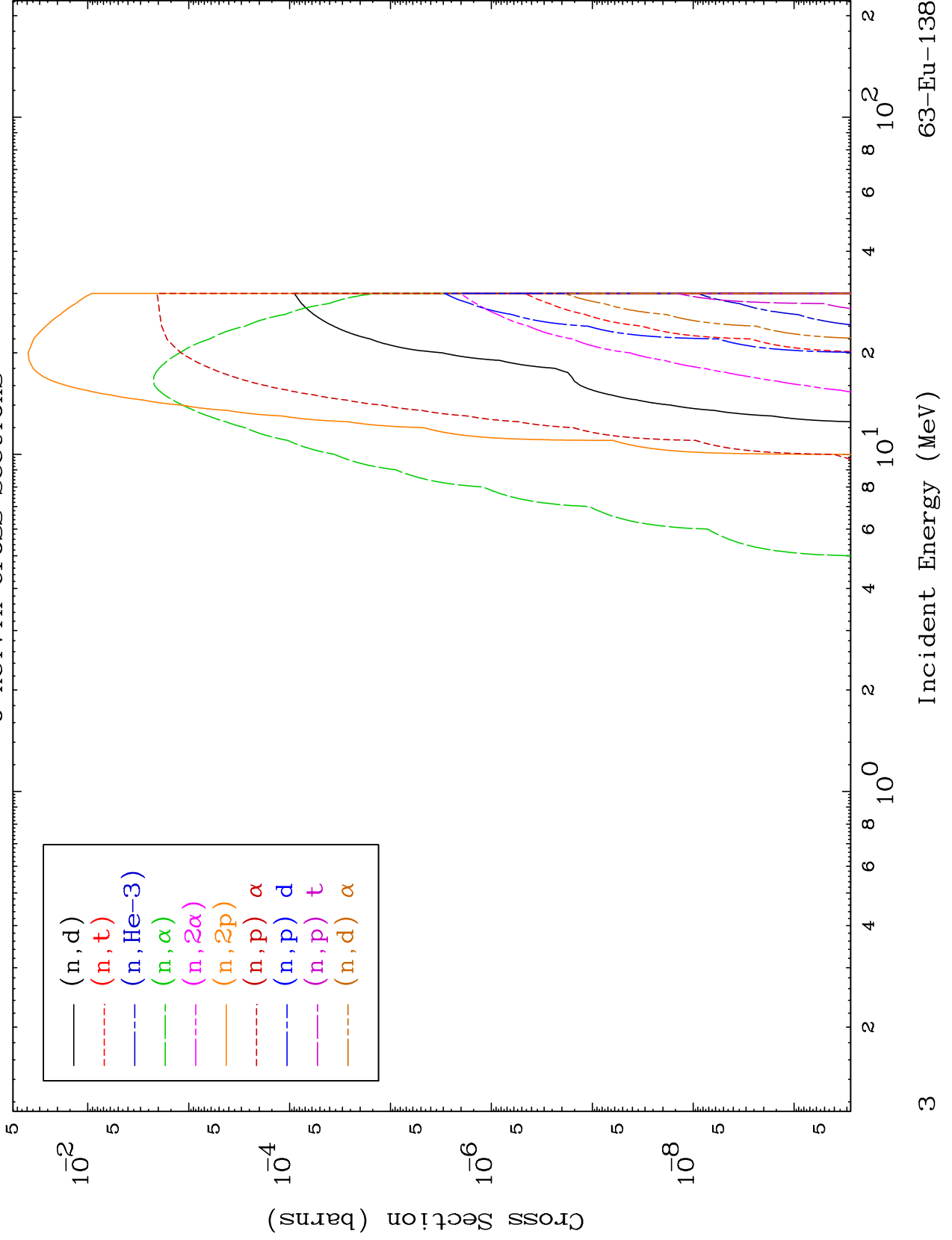
MAT 6286

Photon Major
0 Kelvin Cross Sections

63-Eu-138



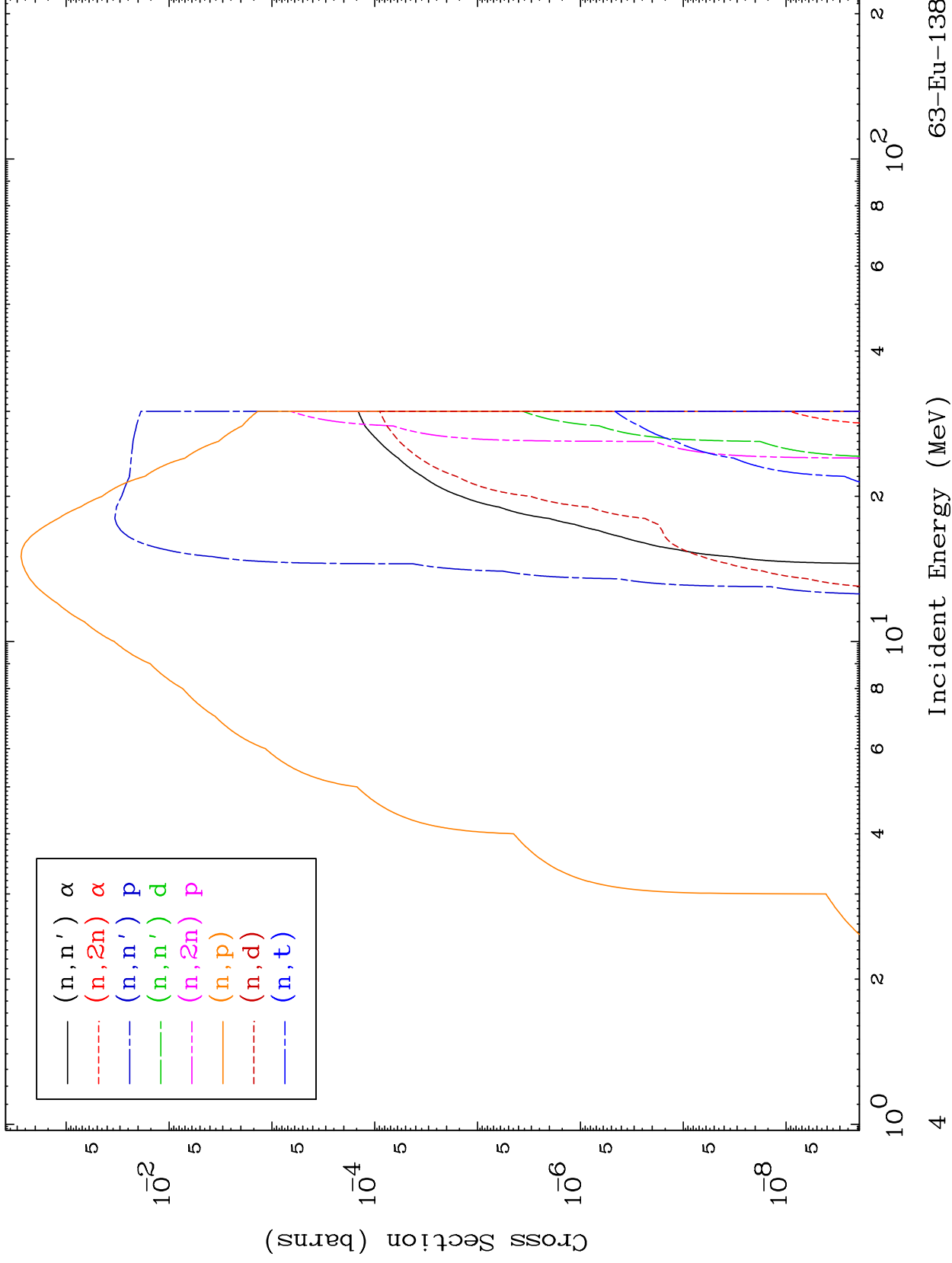




MAT 6286

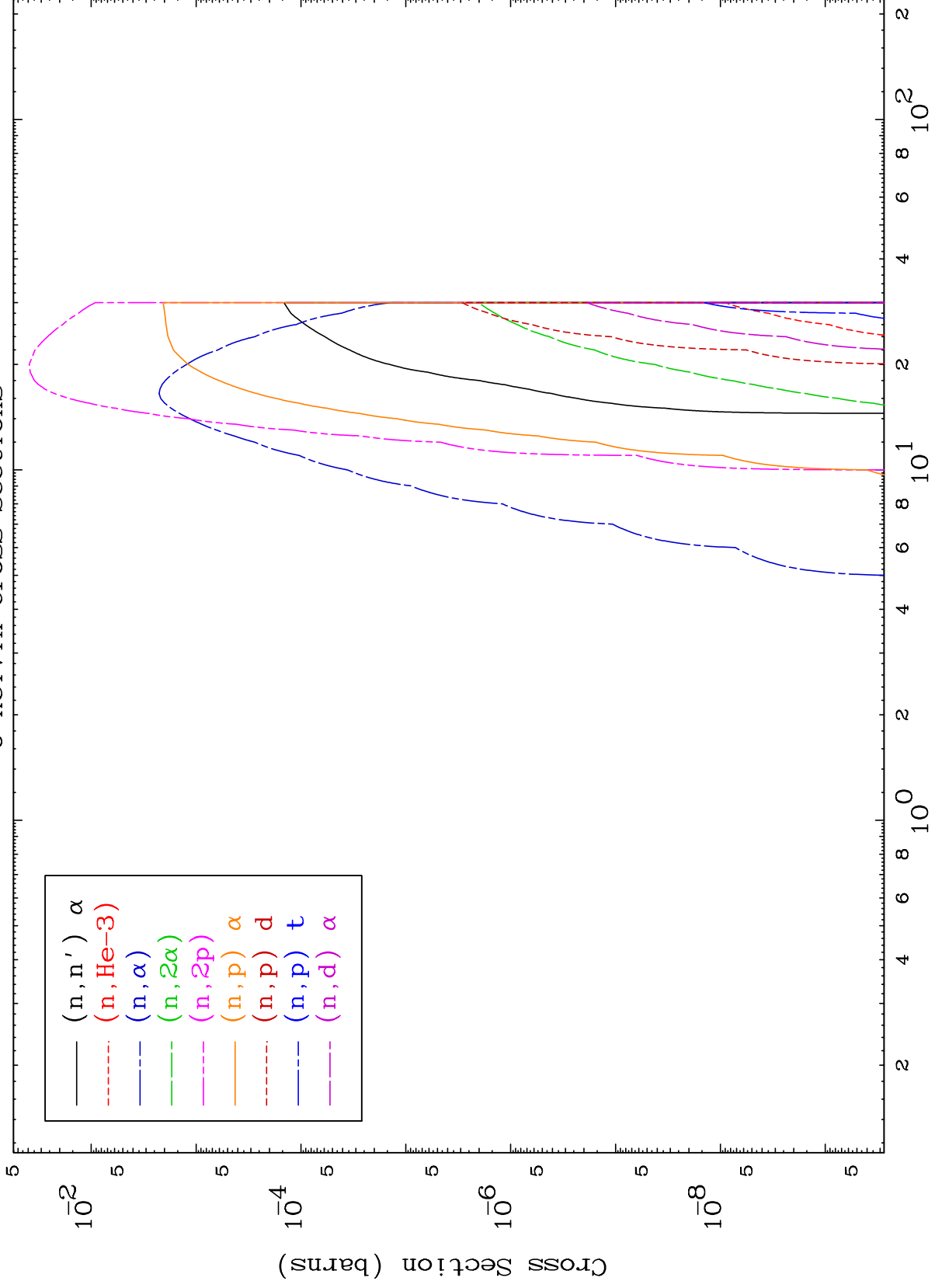
Photon Charged Particle
0 Kelvin Cross Sections

63-Eu-138



63-Eu-138

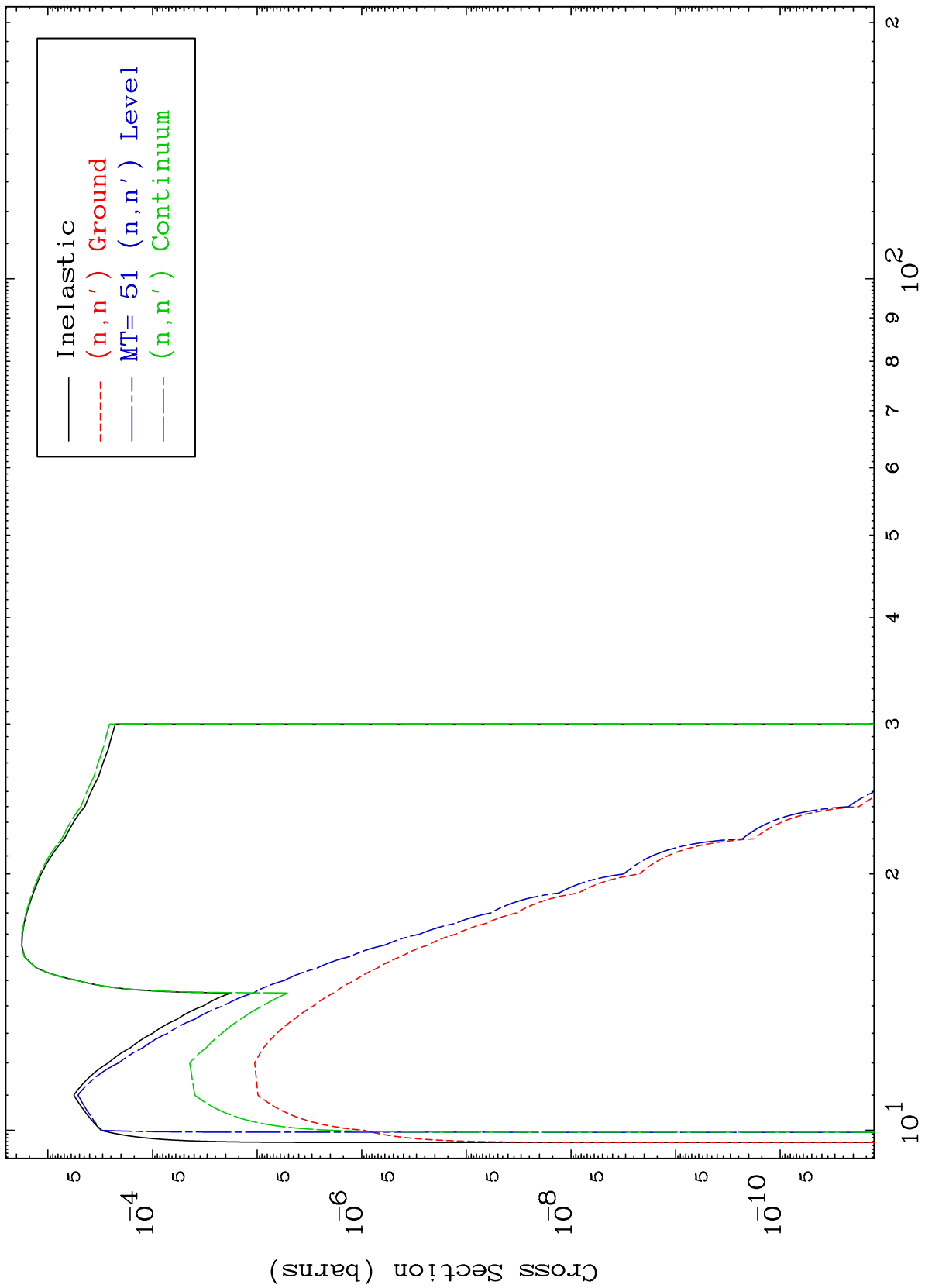
Incident Energy (MeV)



MAT 6286

63-Eu-138

(γ, n') Levels
0 Kelvin Cross Sections



63-Eu-138

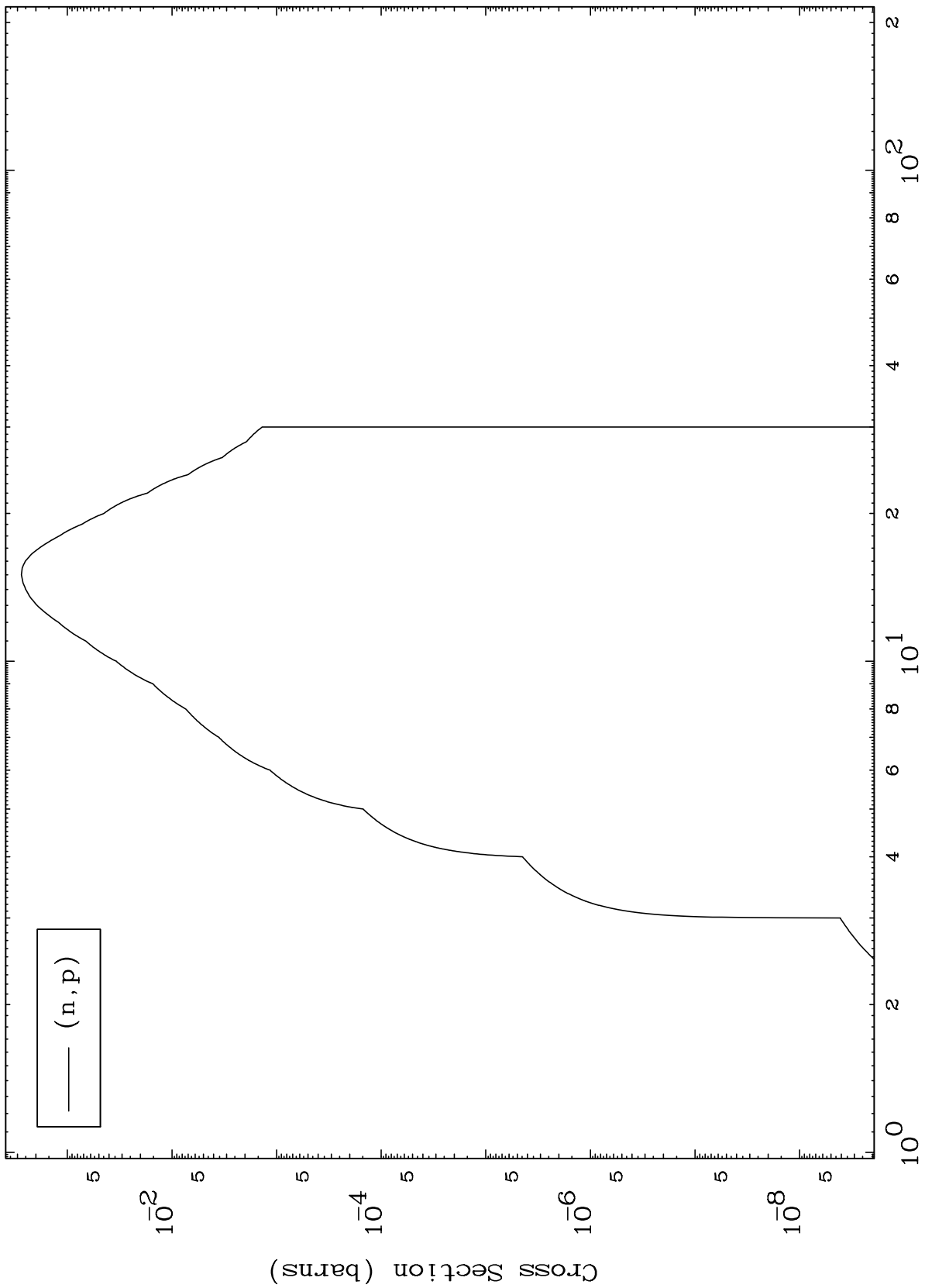
Incident Energy (MeV)

6

MAT 6286

63-Eu-138

(γ, p) Levels
0 Kelvin Cross Sections



(n, p)

63-Eu-138

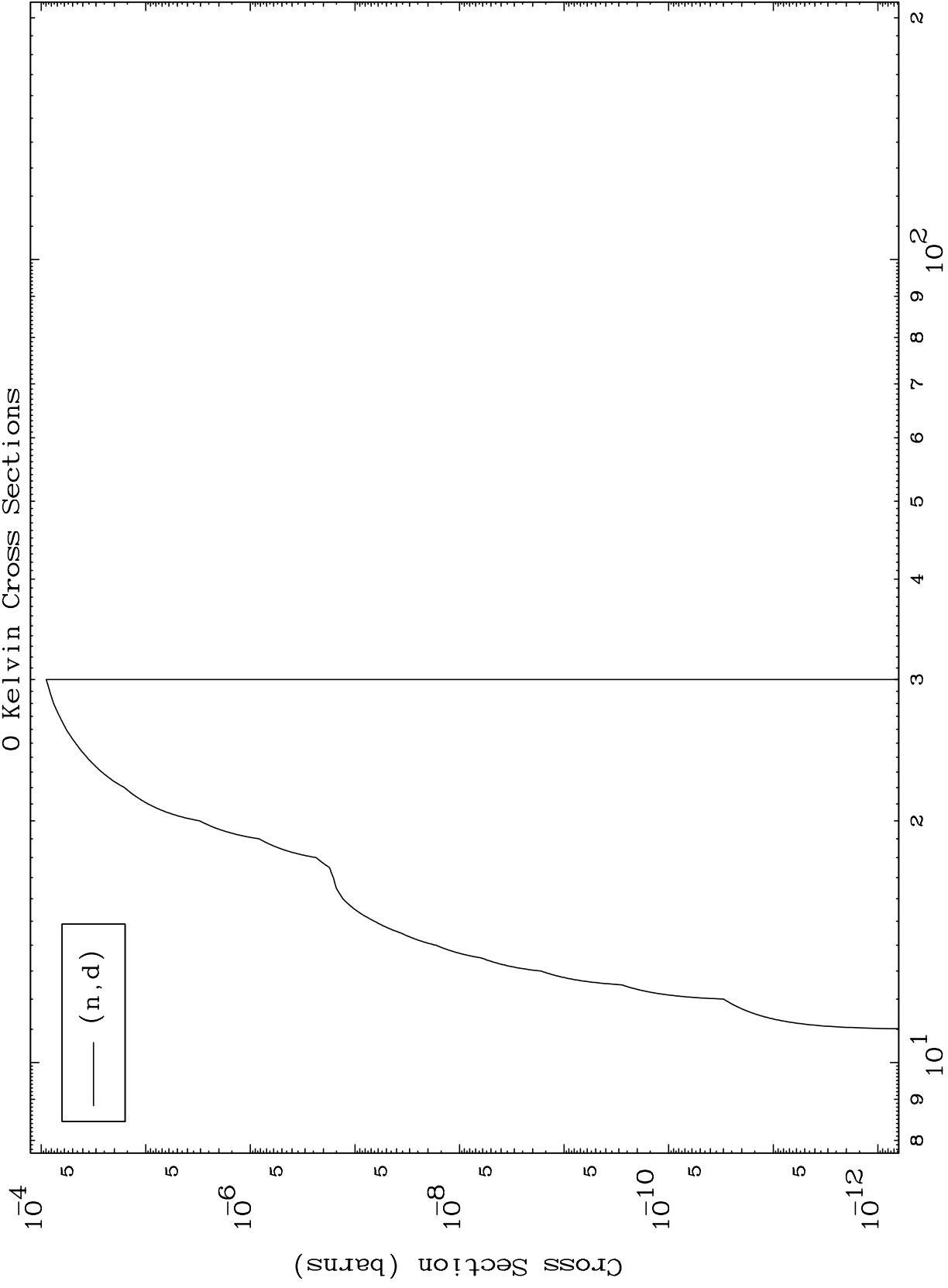
Incident Energy (MeV)

7

MAT 6286

(γ, d) Levels
0 Kelvin Cross Sections

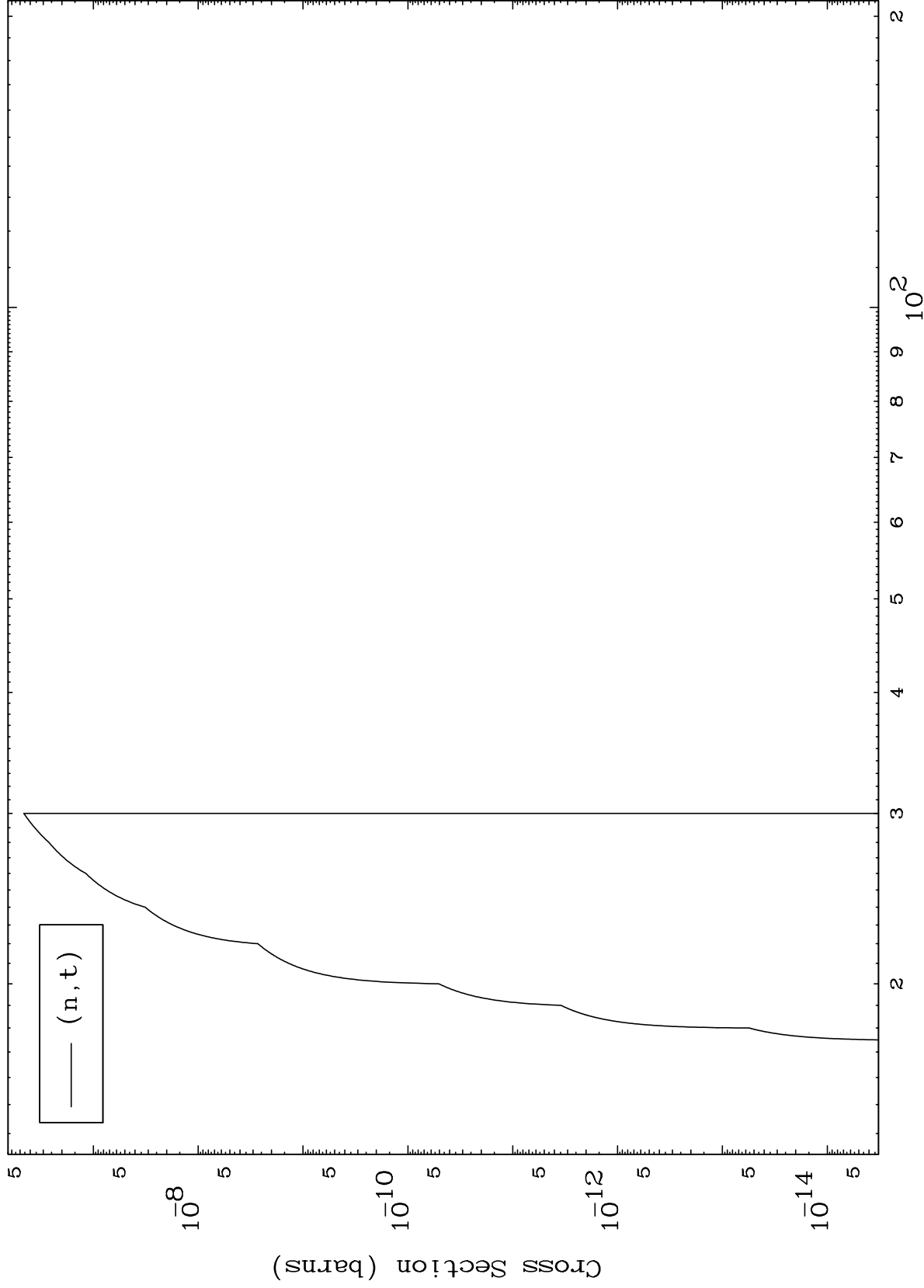
63-Eu-138



8

Incident Energy (MeV)

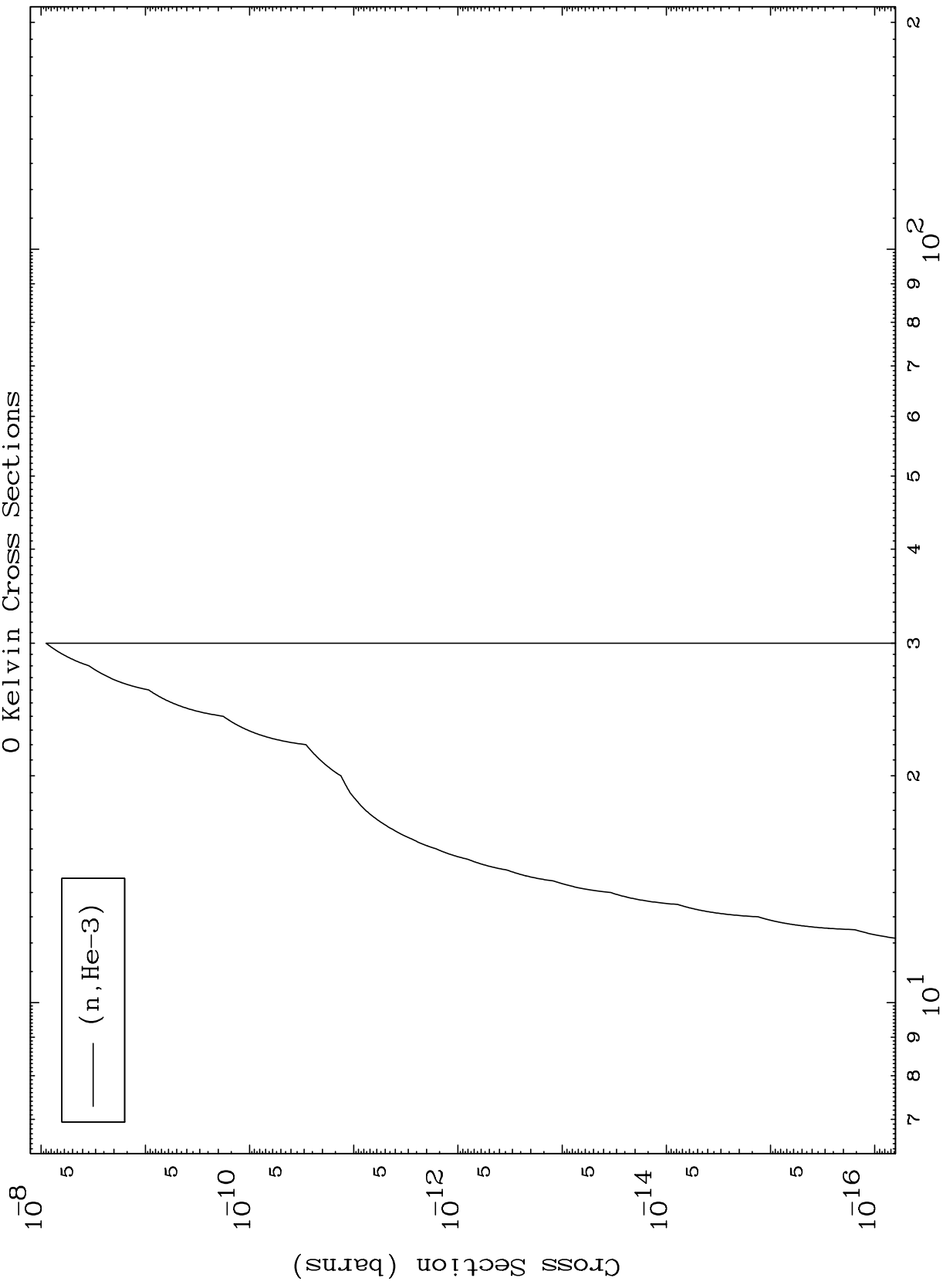
63-Eu-138



MAT 6286

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

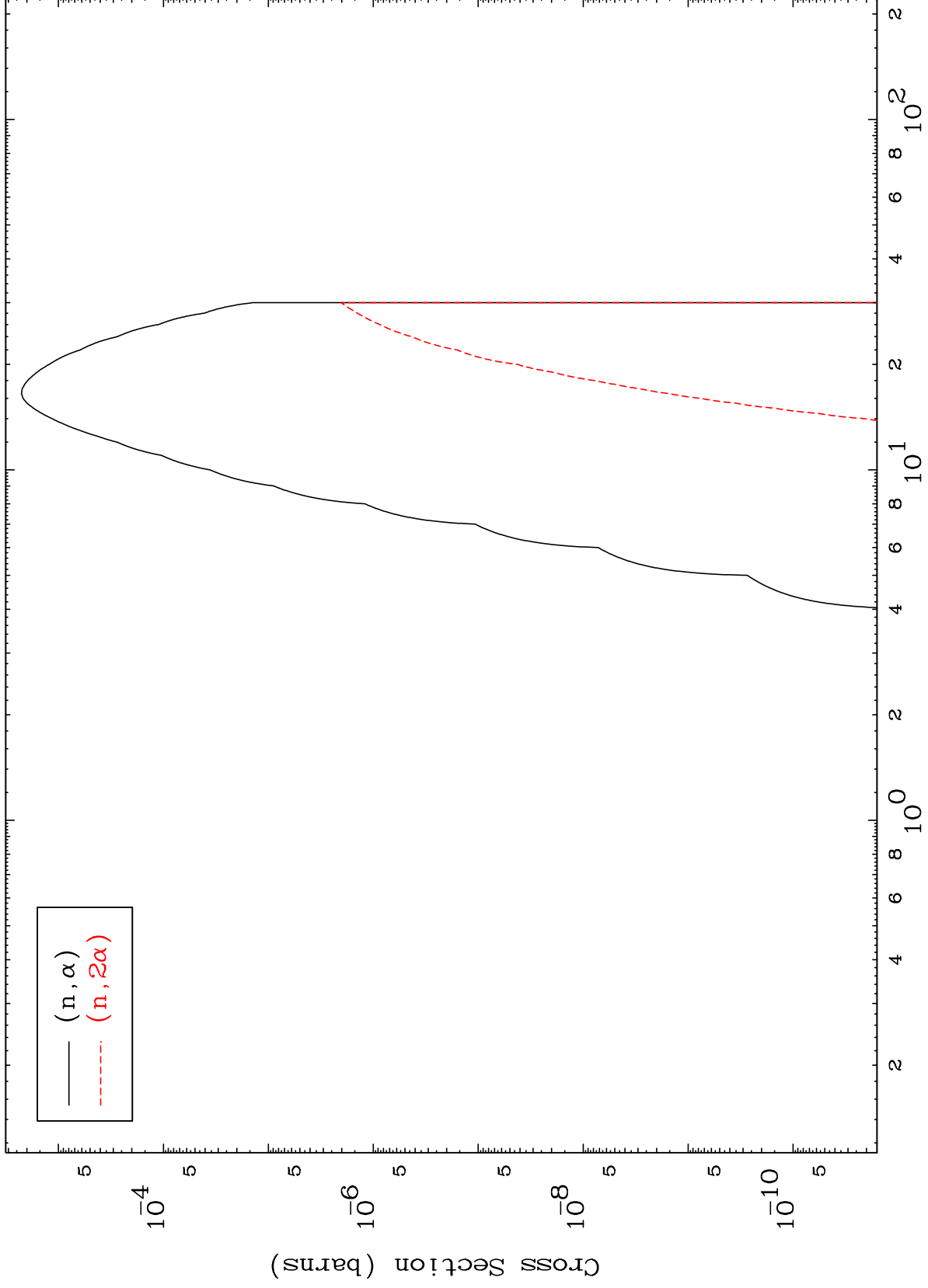
63-Eu-138



10

Incident Energy (MeV)

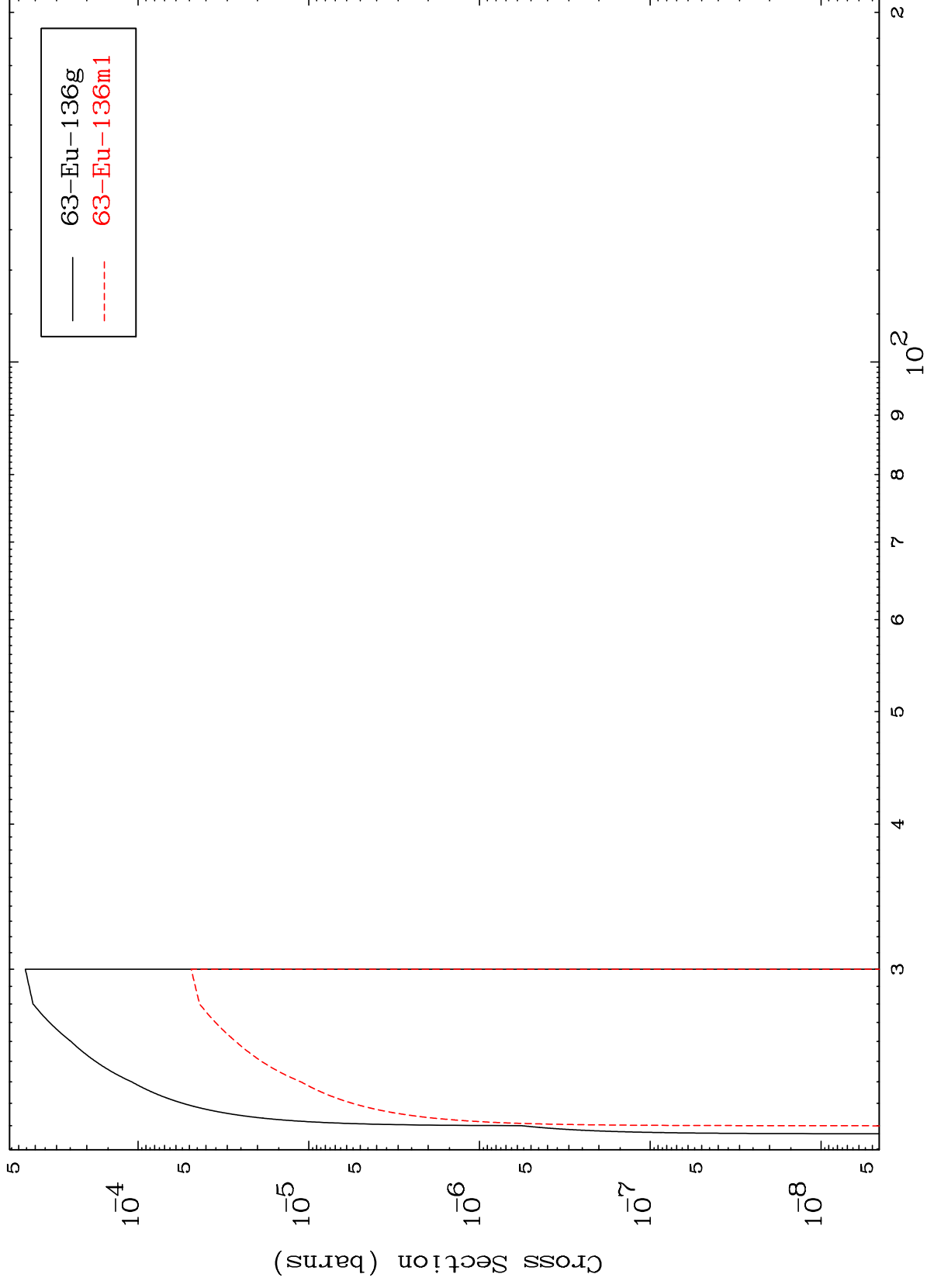
63-Eu-138



MAT 6286

63-Eu-138

(n,2n)
Radionuclide Production Cross Section



12

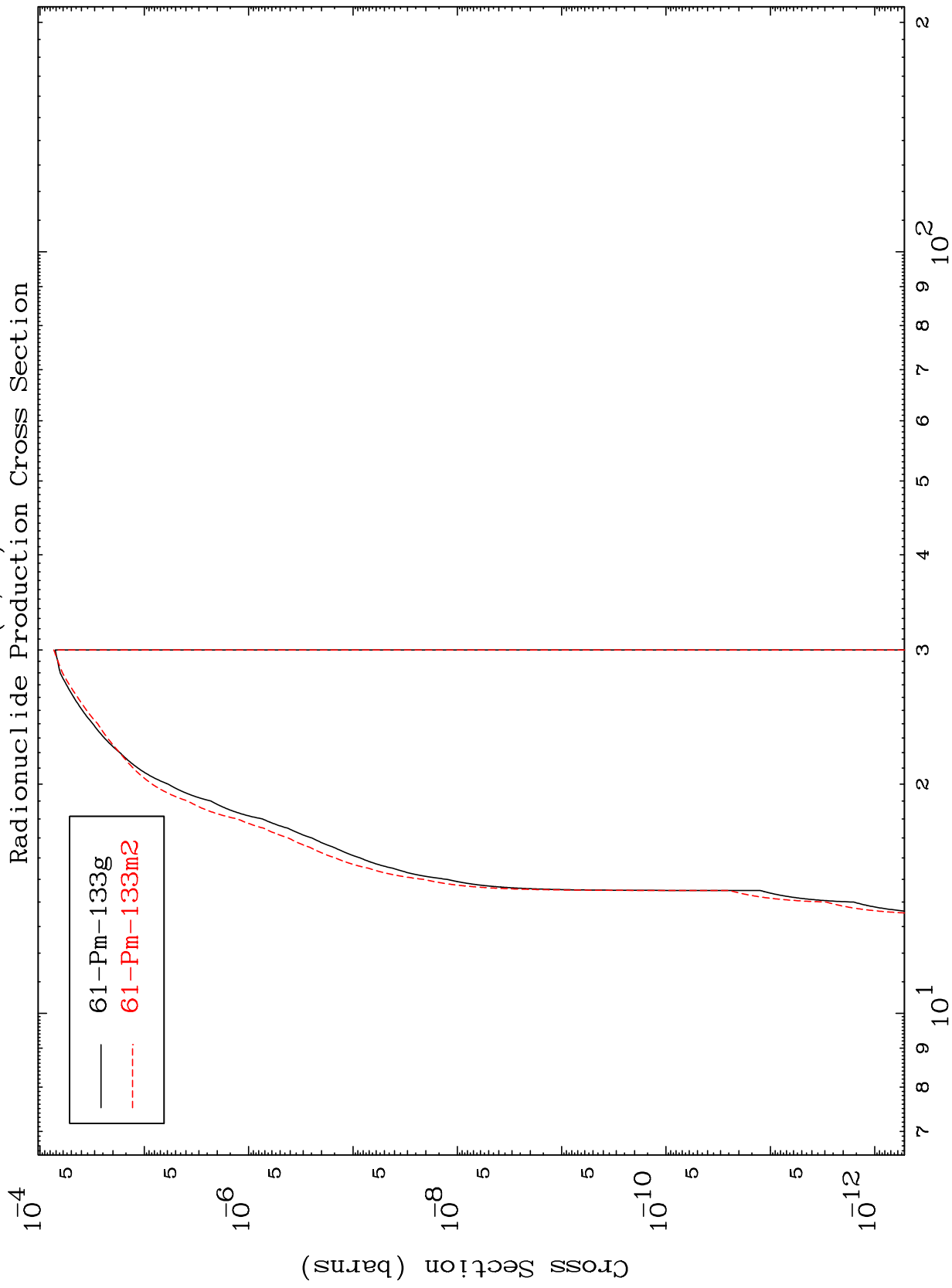
Incident Energy (MeV)

63-Eu-138

MAT 6286

$(n, n') \alpha$

63-Eu-138

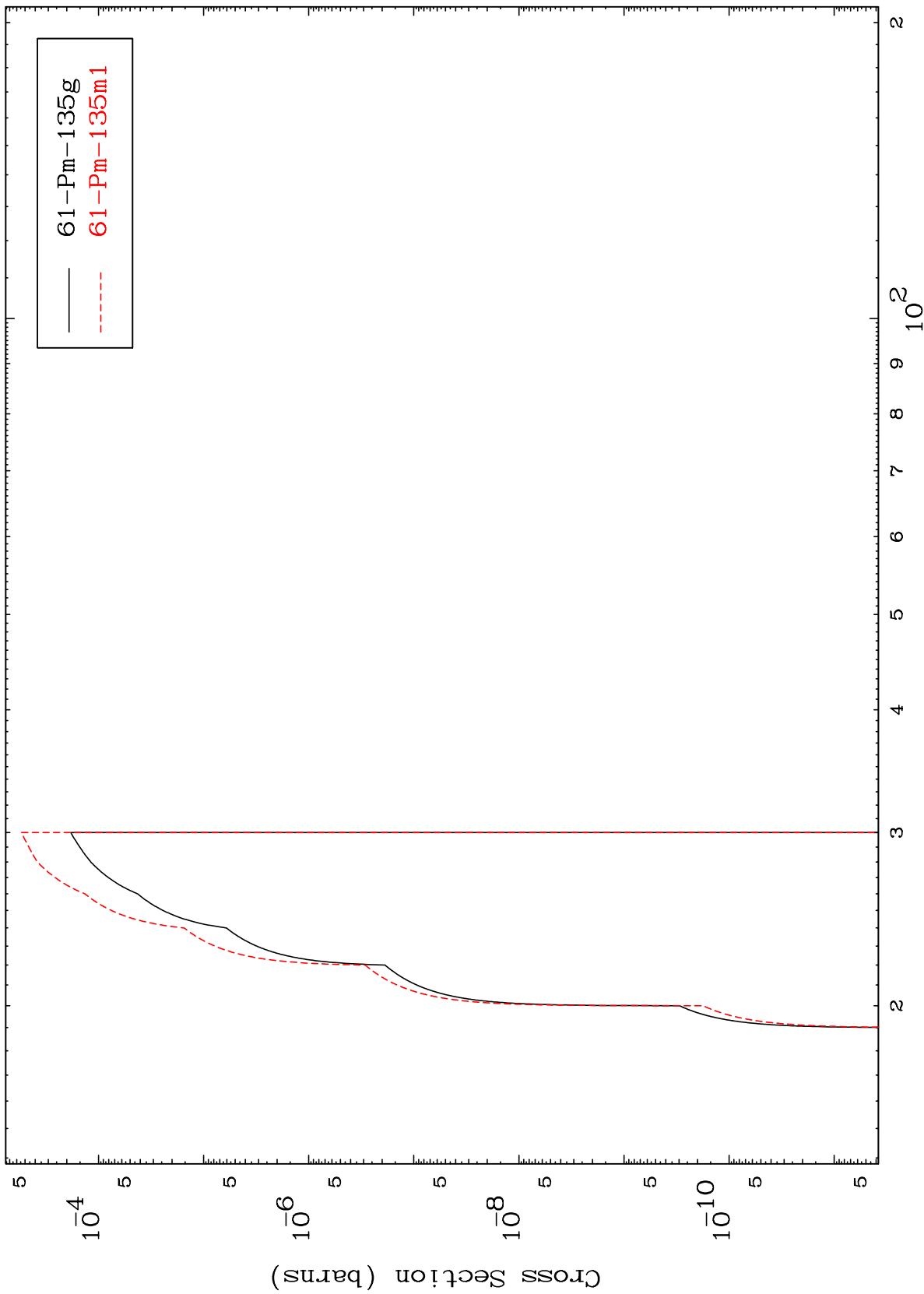


13

Incident Energy (MeV)

63-Eu-138

Radionuclide Production Cross Section

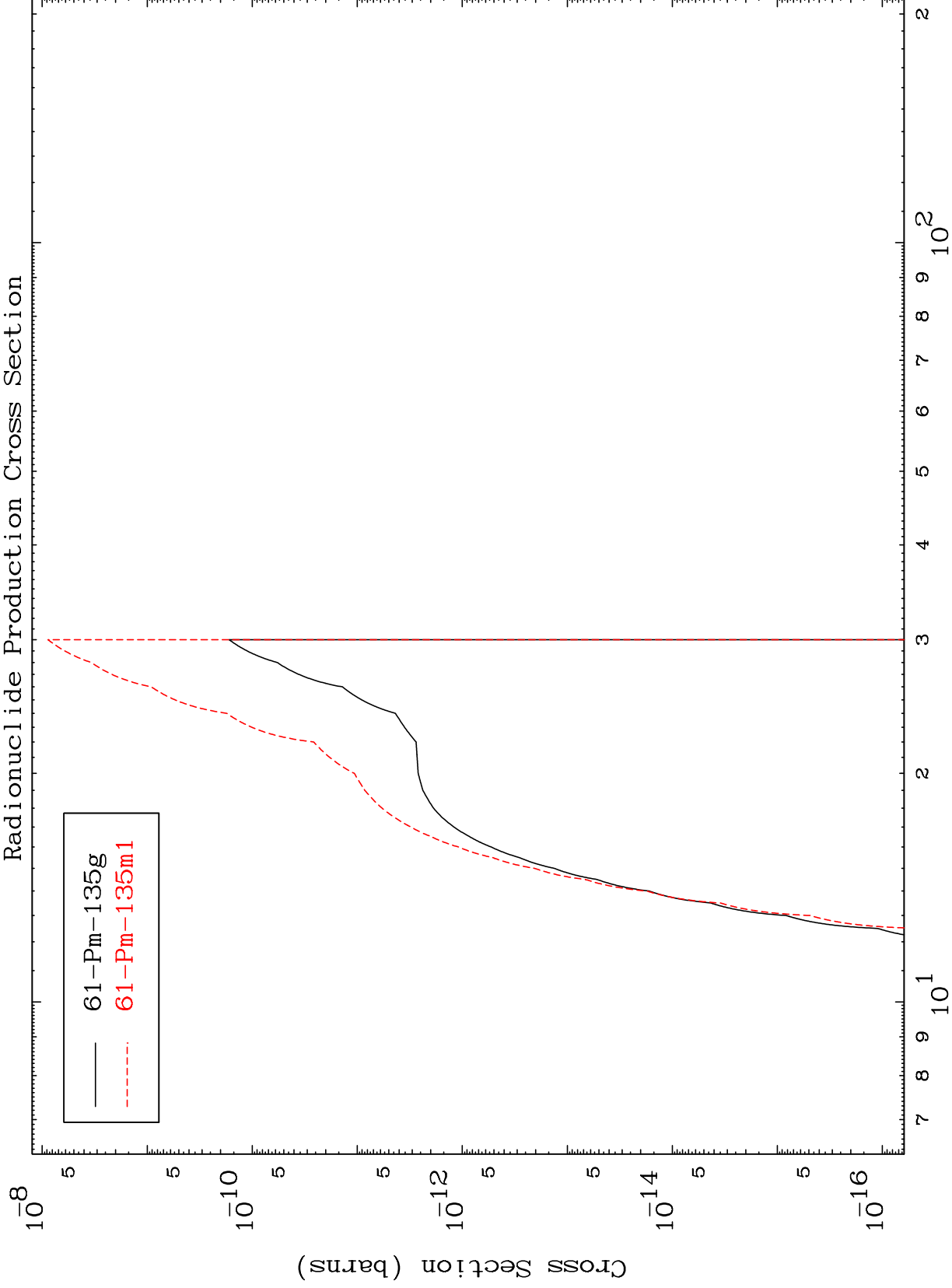


MAT 6286

(n,He-3)

63-Eu-138

Radionuclide Production Cross Section



15

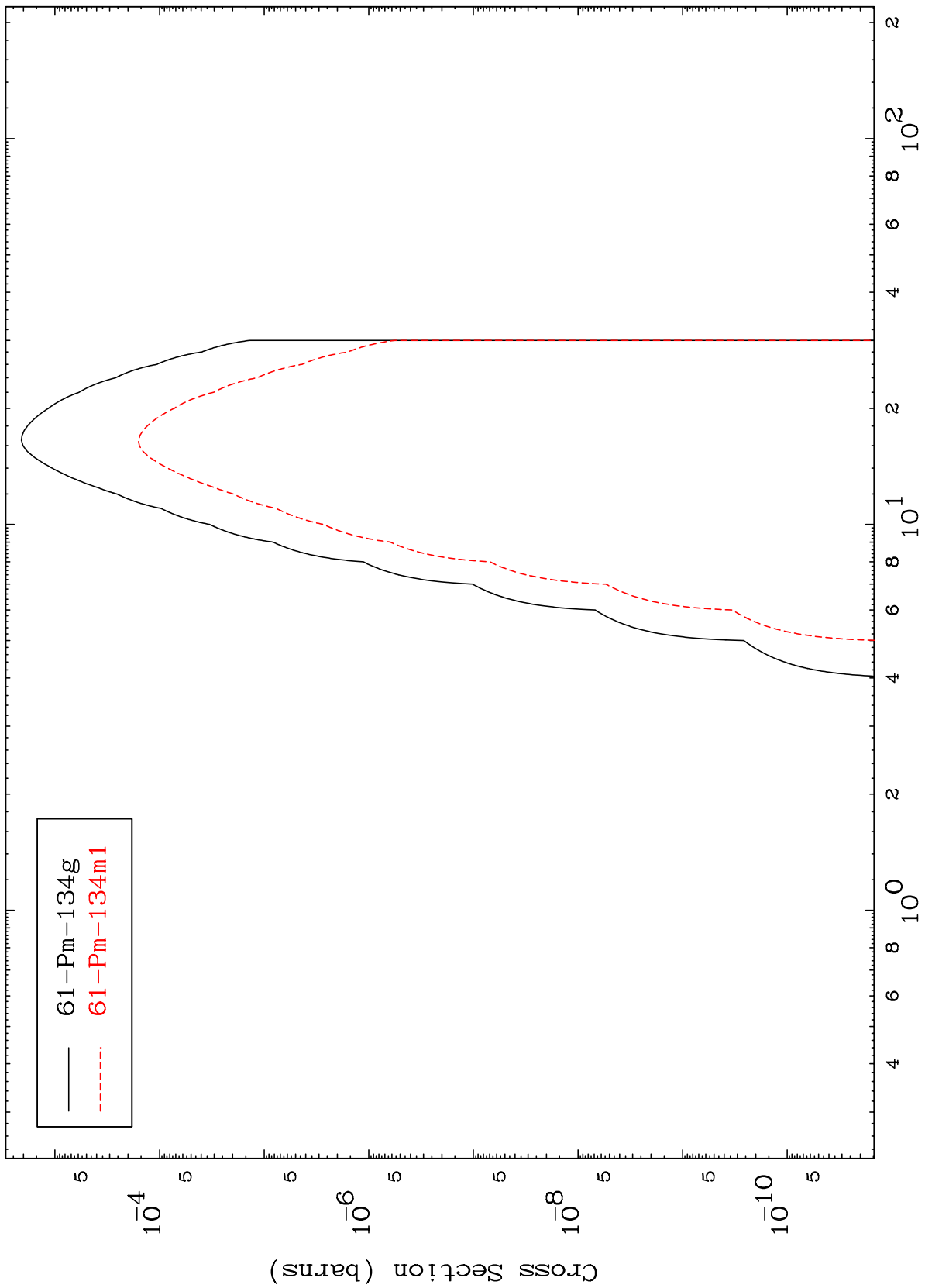
Incident Energy (MeV)

63-Eu-138

MAT 6286

63-Eu-138

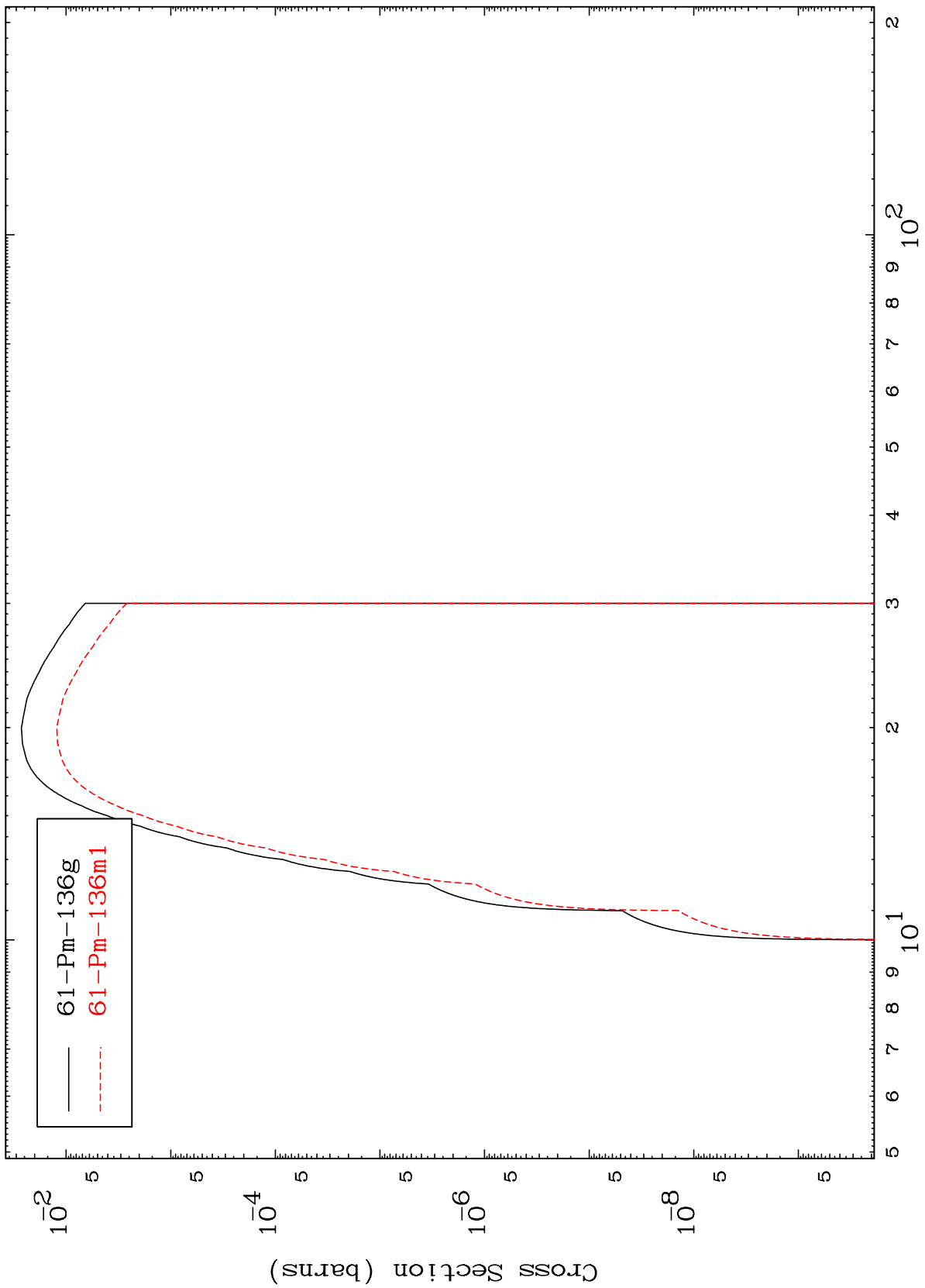
(n, α)
Radionuclide Production Cross Section



MAT 6286

63-Eu-138

(n,2p)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

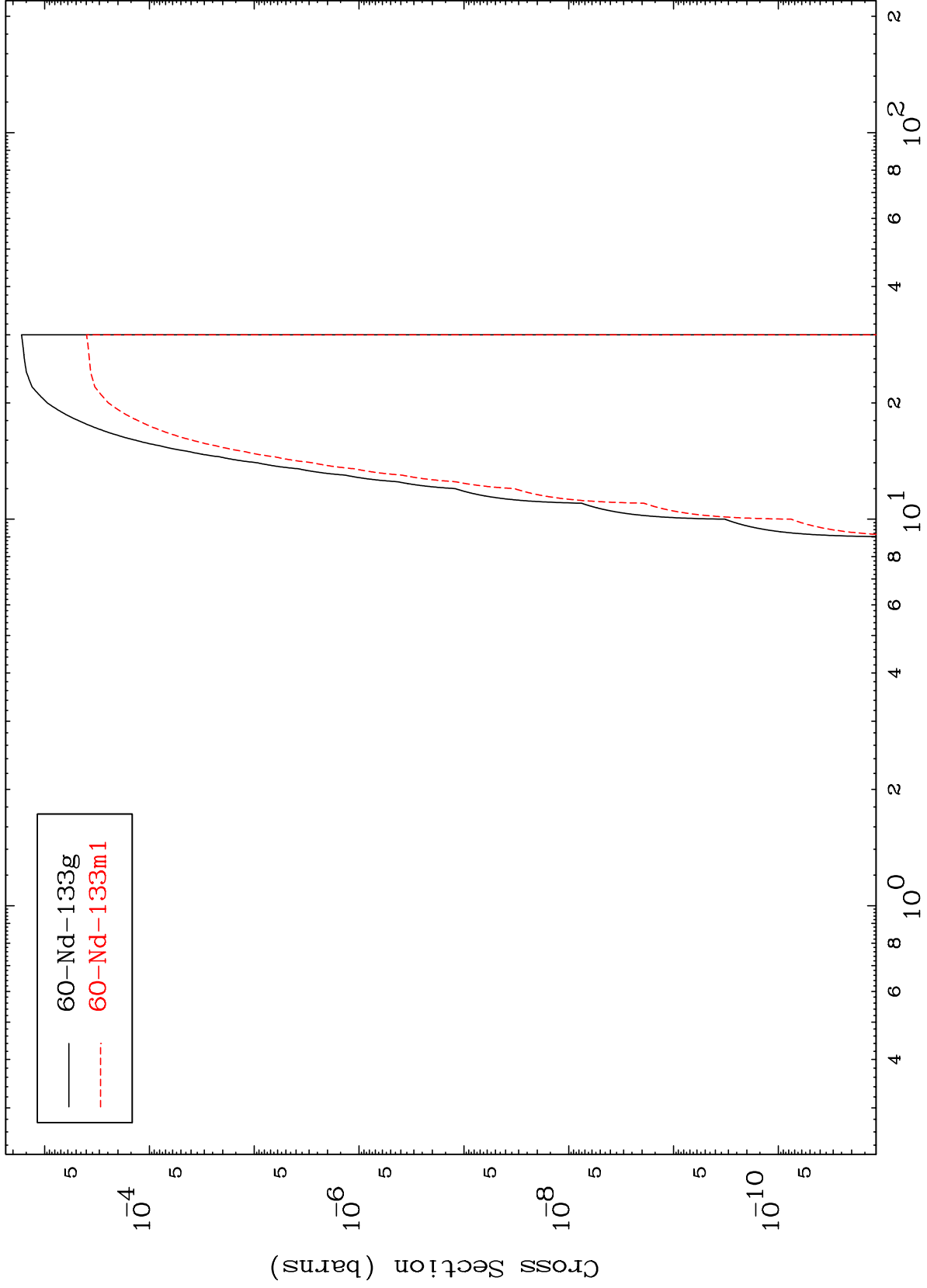
63-Eu-138

MAT 6286

(n,p) α

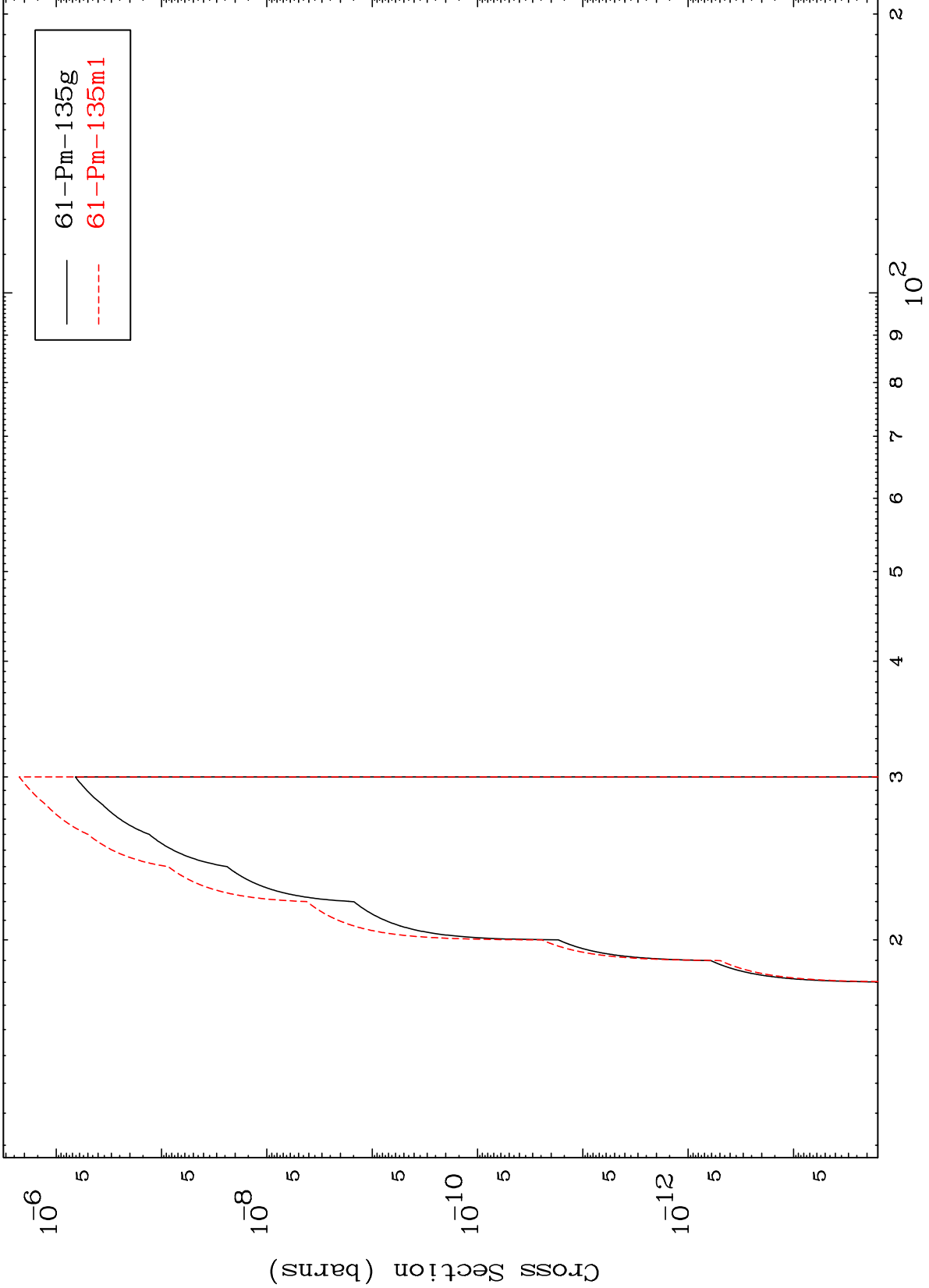
63-Eu-138

Radionuclide Production Cross Section



60-Nd-133g
60-Nd-133m1

Radionuclide Production Cross Section



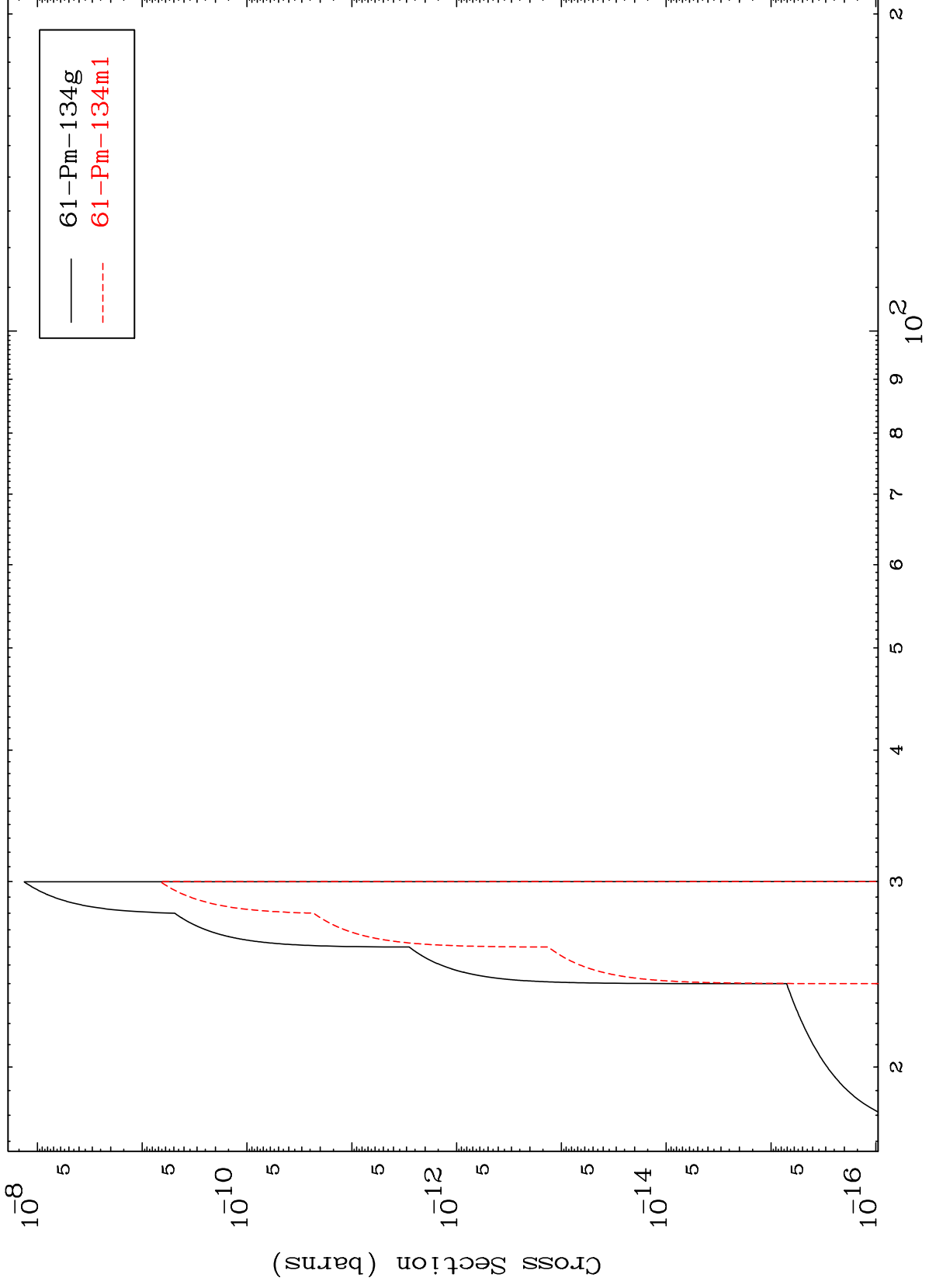
61-Pm-135g
61-Pm-135m1

MAT 6286

(n,p) t

63-Eu-138

Radionuclide Production Cross Section



20

Incident Energy (MeV)

63-Eu-138