

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

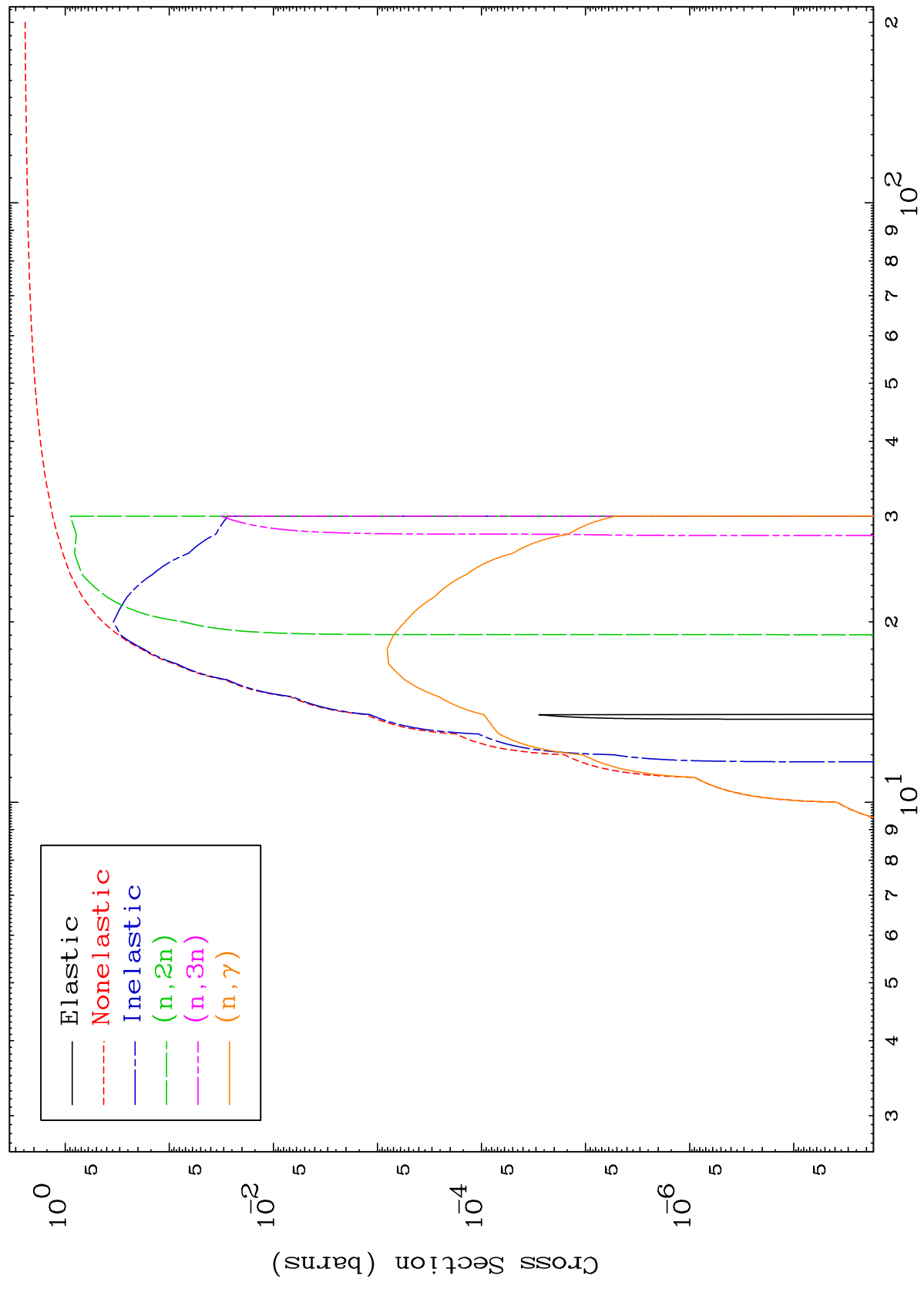
Press Mouse Button to Start

MAT 6319

0 Kelvin

α Major Cross Sections

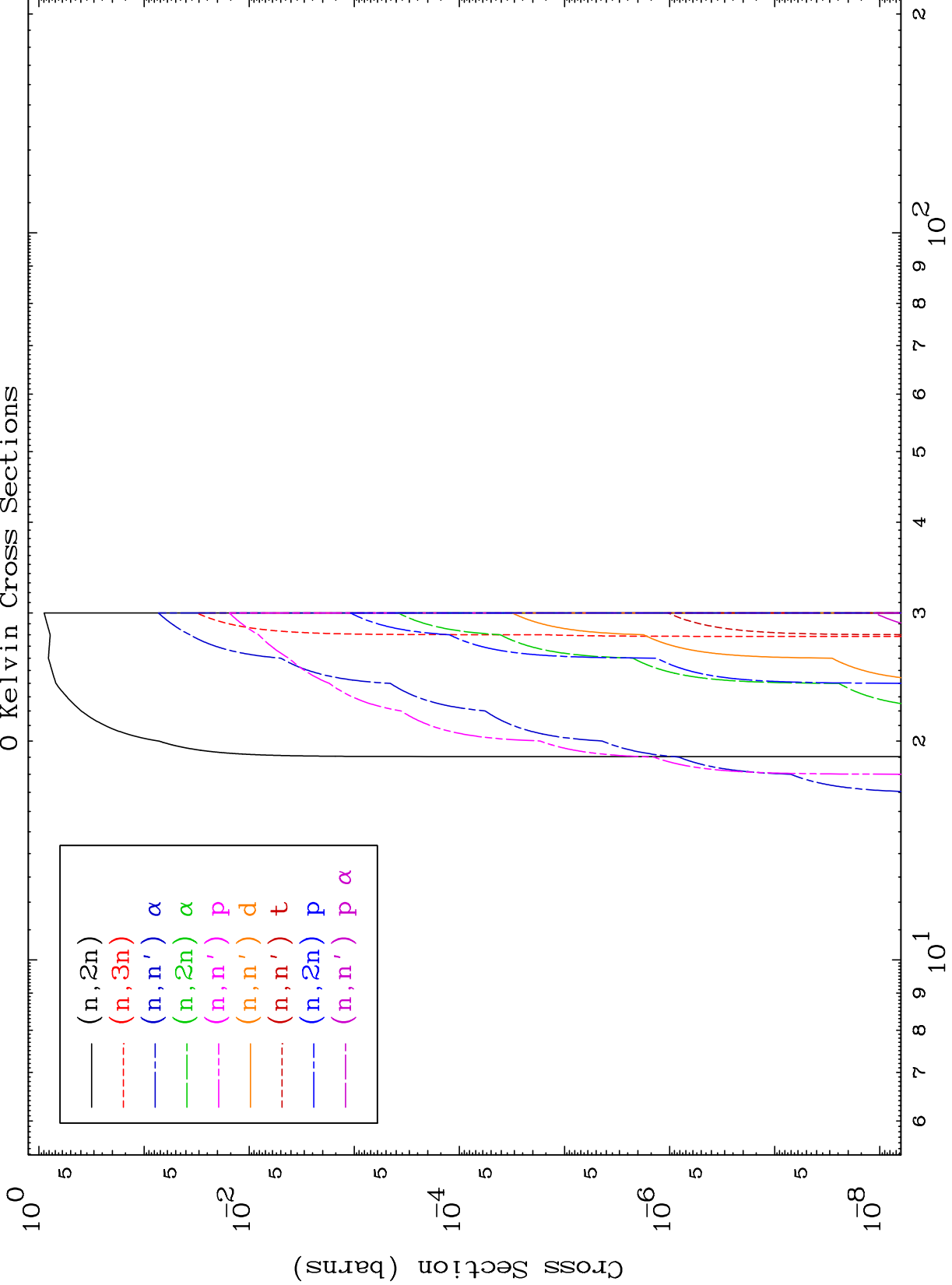
63-Eu-149



MAT 6319

α Neutron Absorption
0 Kelvin Cross Sections

63-Eu-149



2

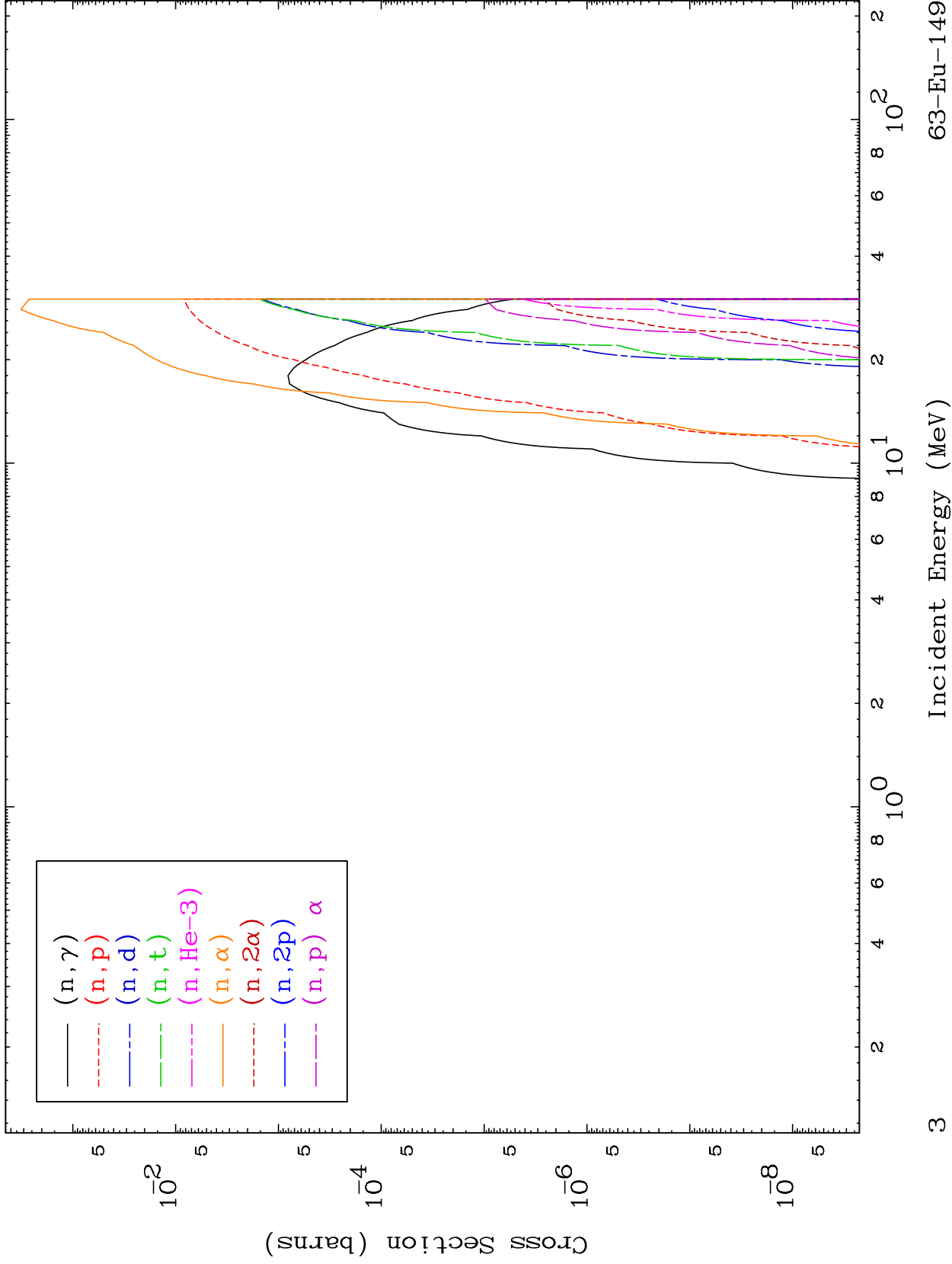
Incident Energy (MeV)

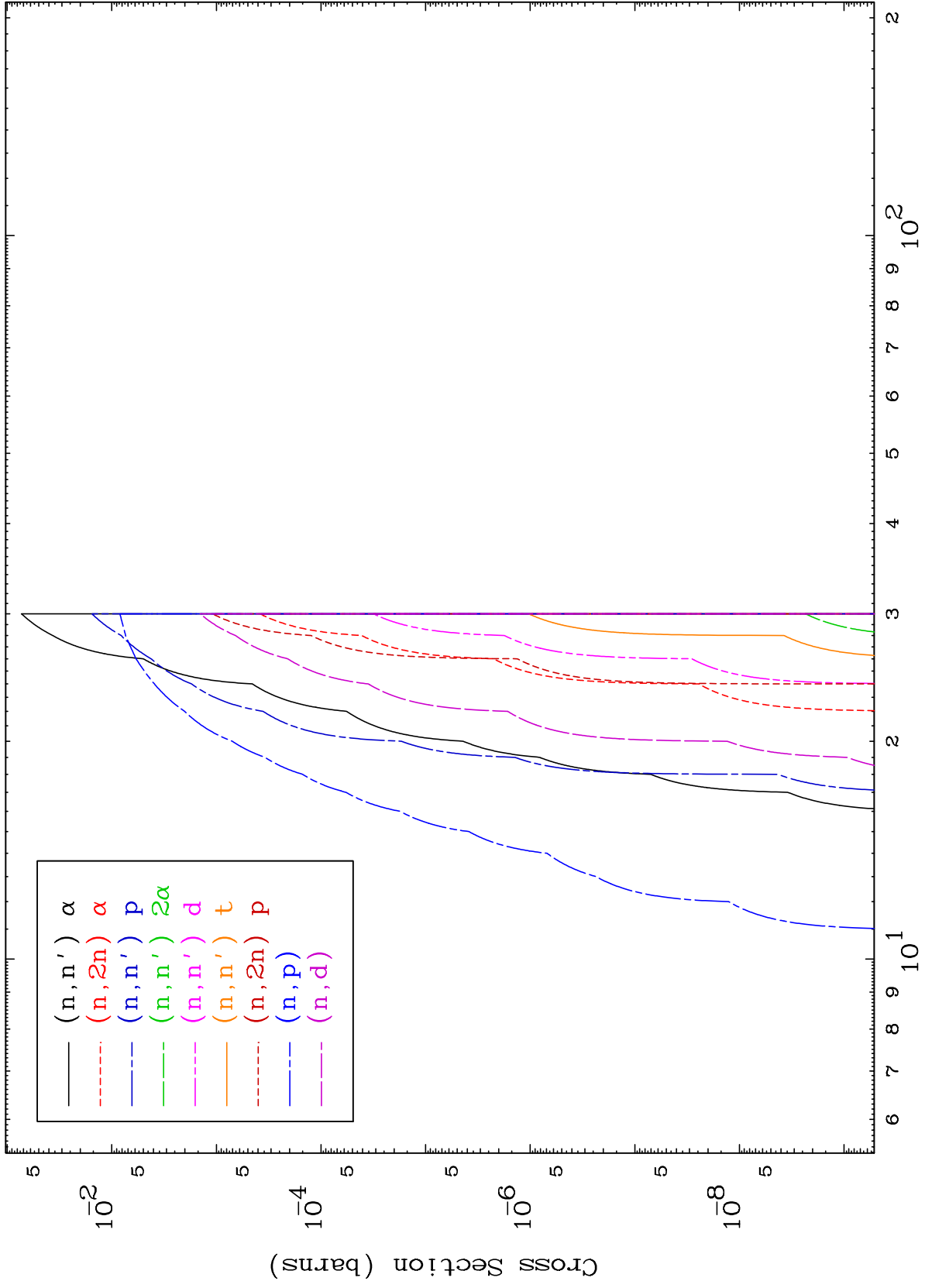
63-Eu-149

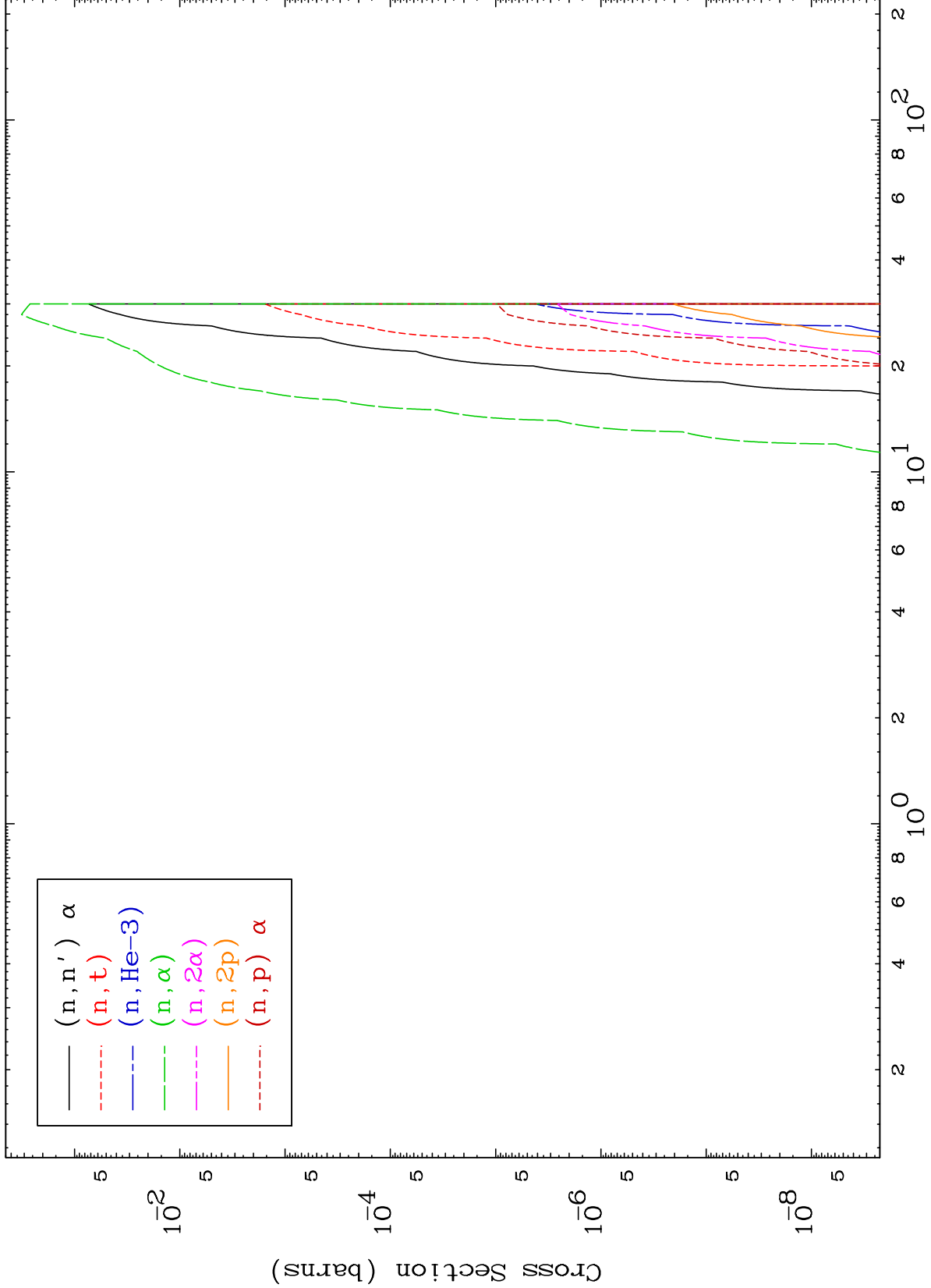
MAT 6319

α Neutron Absorption
0 Kelvin Cross Sections

63-Eu-149



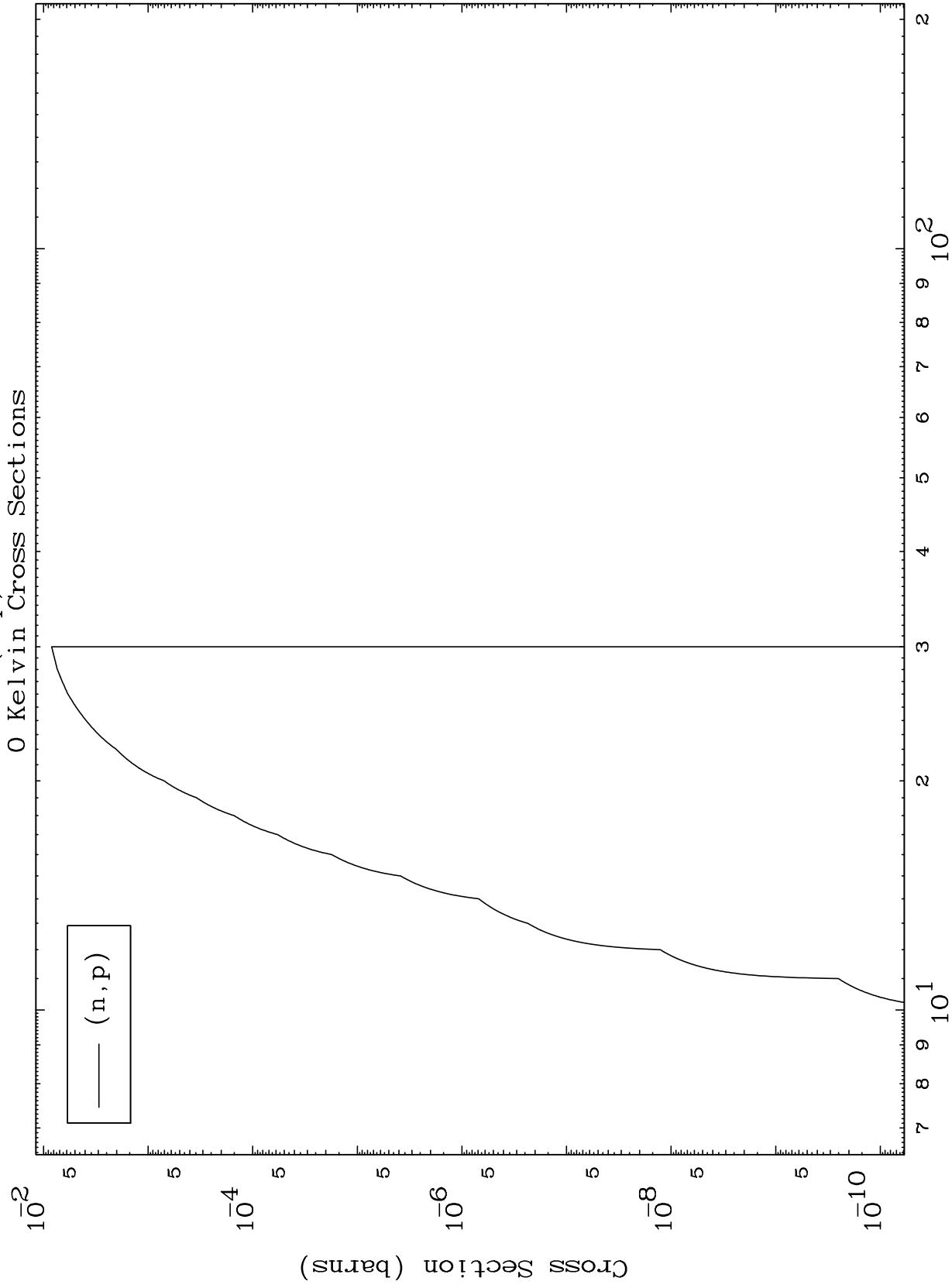




MAT 6319

(α, p) Levels

63-Eu-149



6

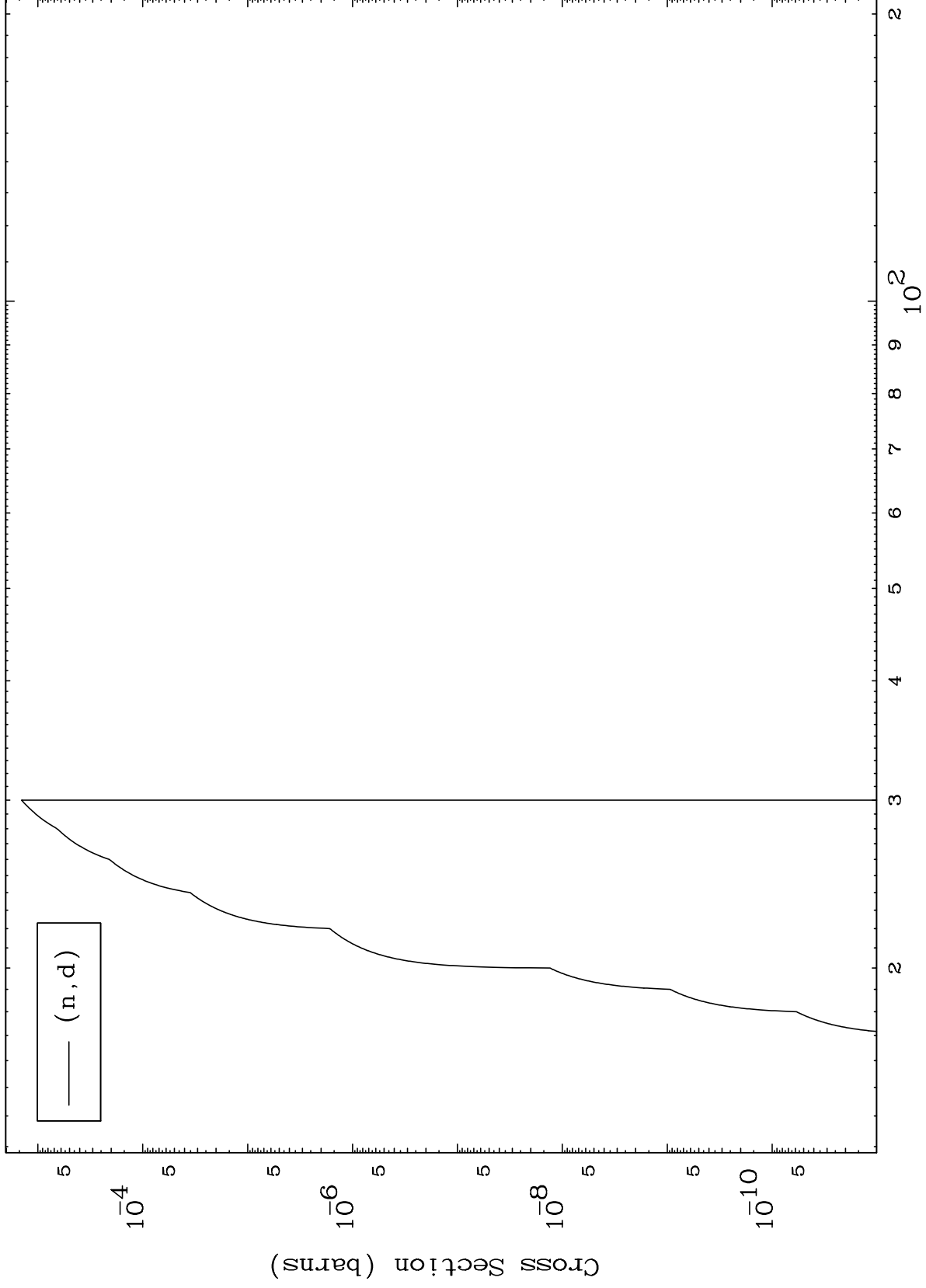
Incident Energy (MeV)

63-Eu-149

MAT 6319

(α, d) Levels
0 Kelvin Cross Sections

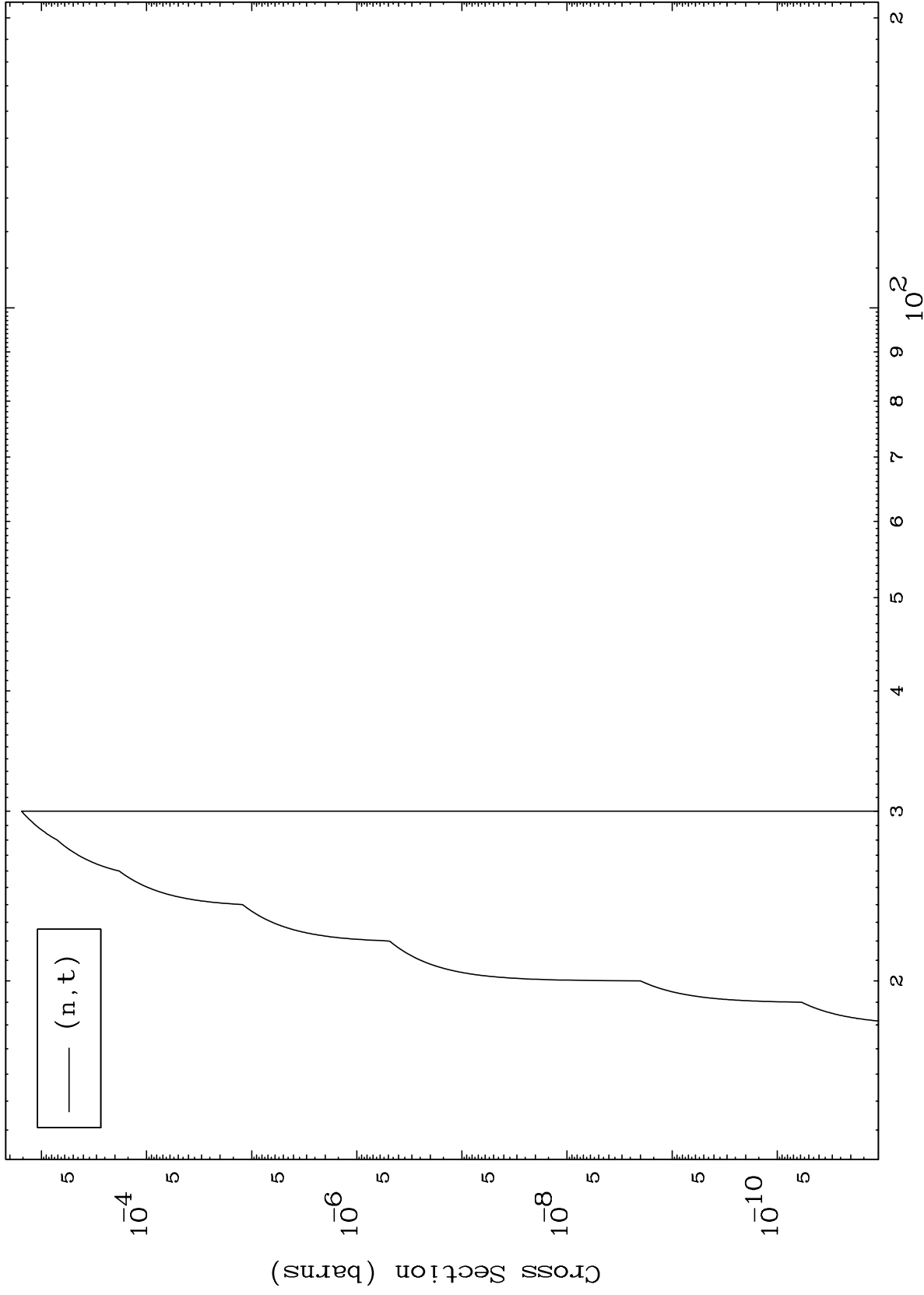
63-Eu-149



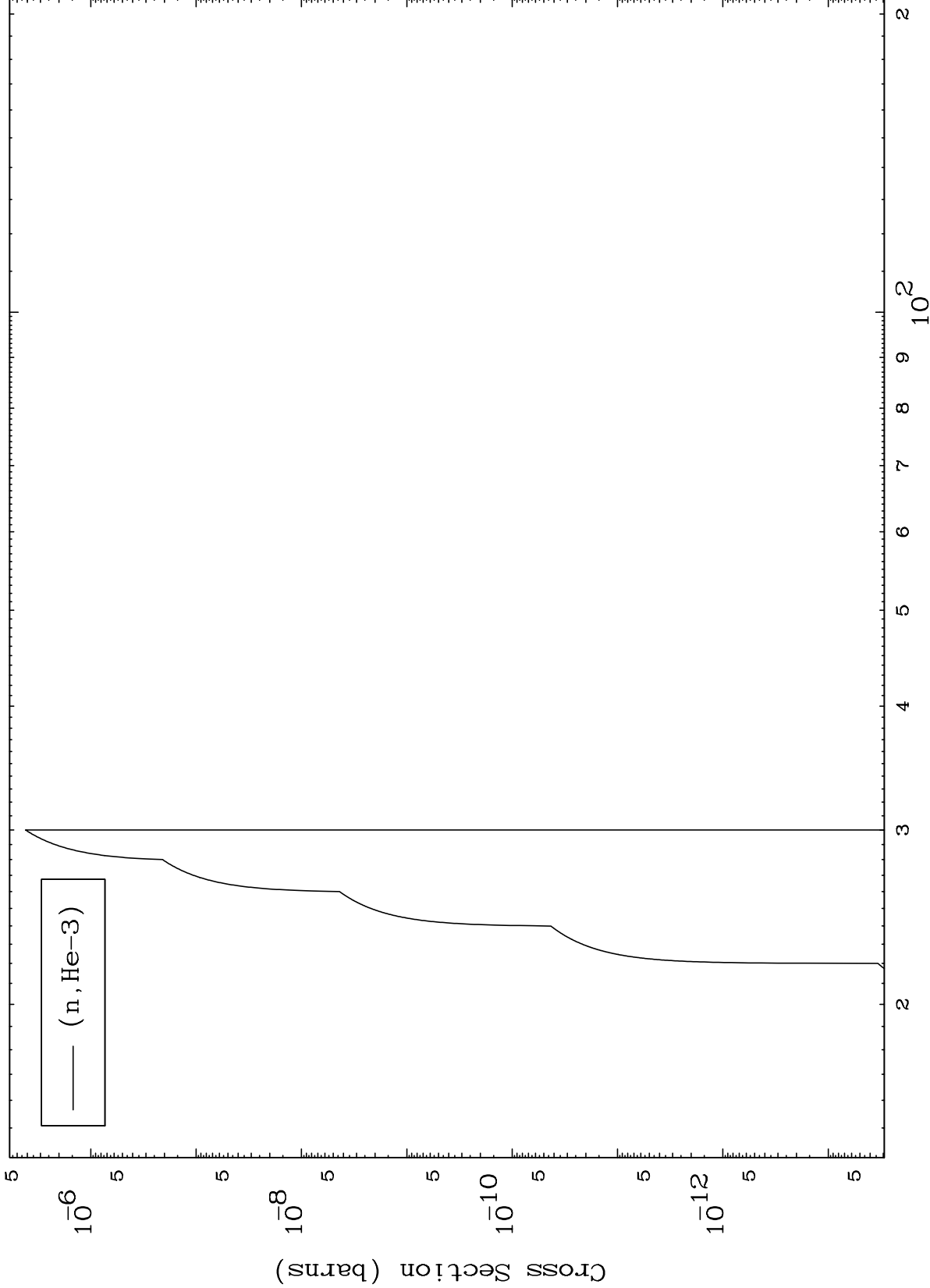
7

Incident Energy (MeV)

63-Eu-149



0 Kelvin Cross Sections

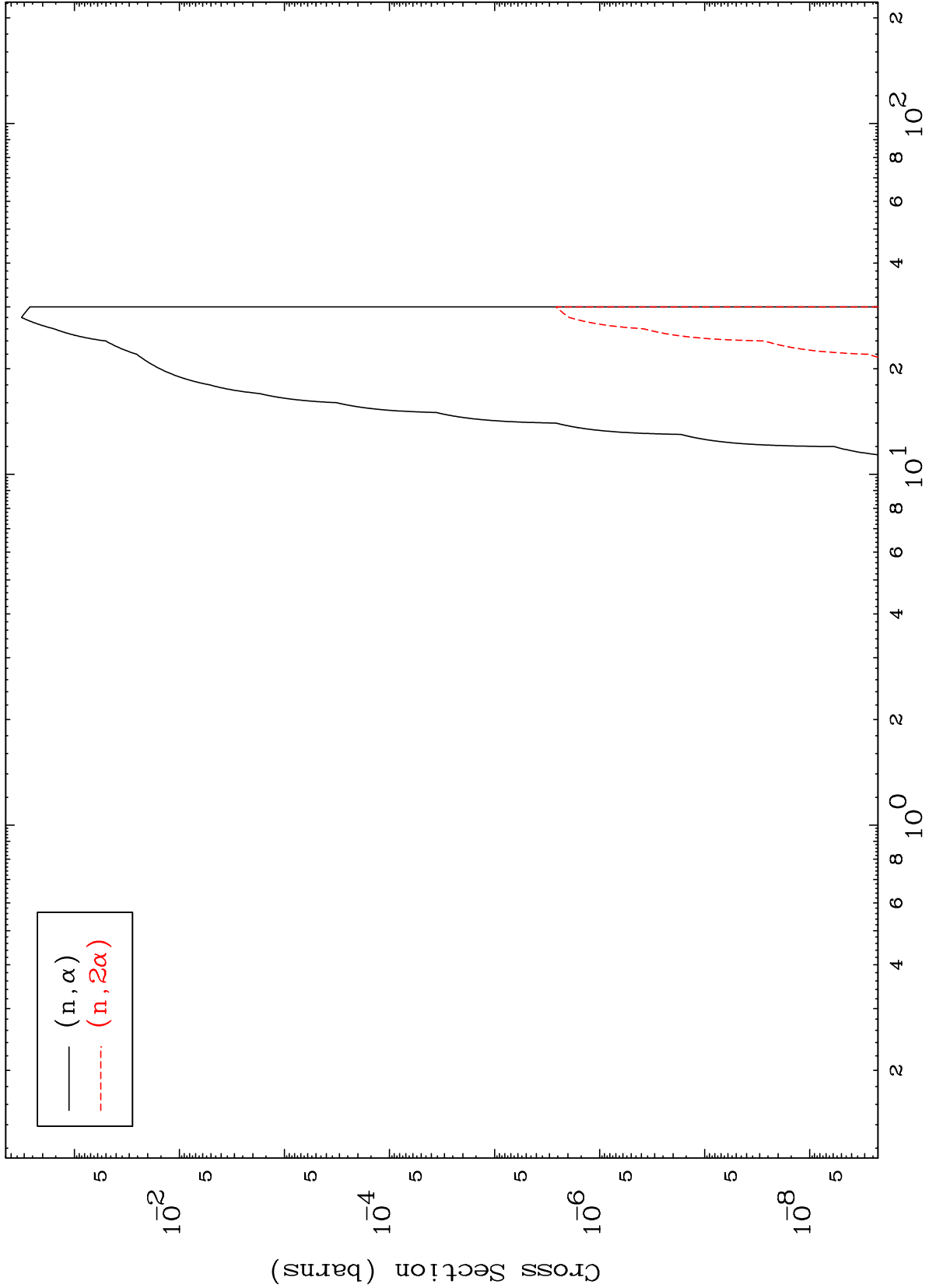


MAT 6319

(α, α) Levels

63-Eu-149

0 Kelvin Cross Sections



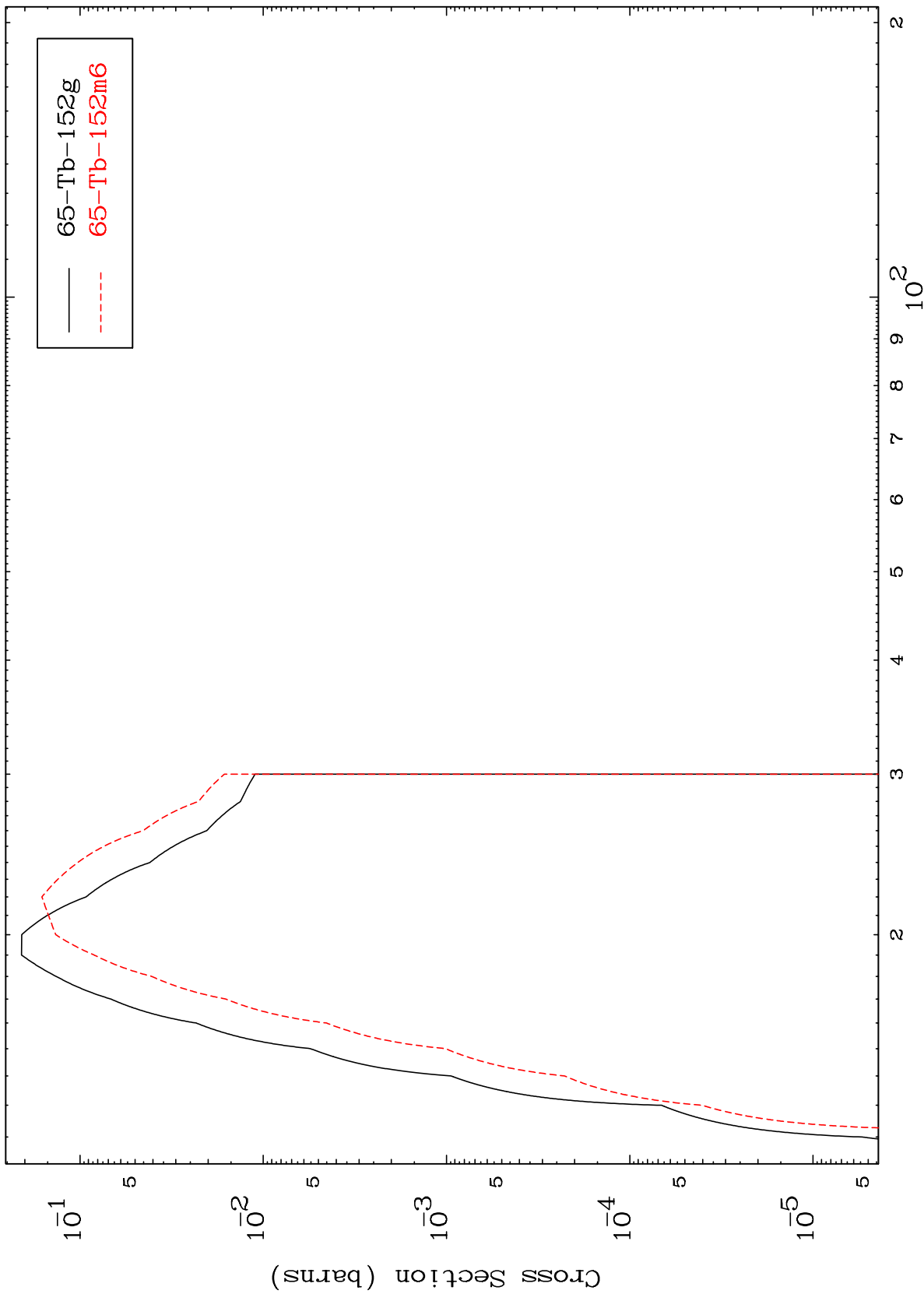
— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

63-Eu-149

Inelastic
Radionuclide Production Cross Section

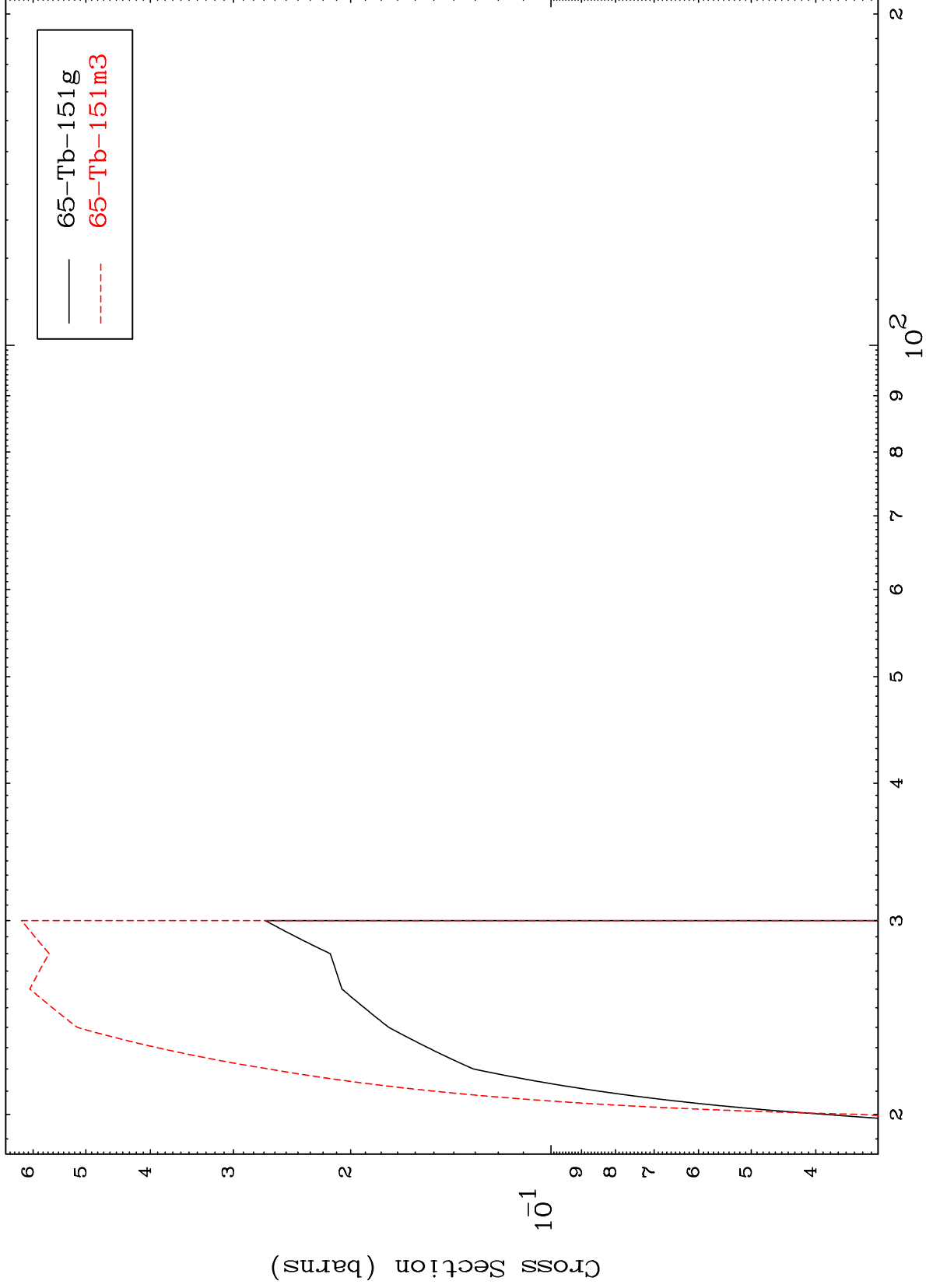


MAT 6319

(n,2n)

63-Eu-149

Radionuclide Production Cross Section



12

Incident Energy (MeV)

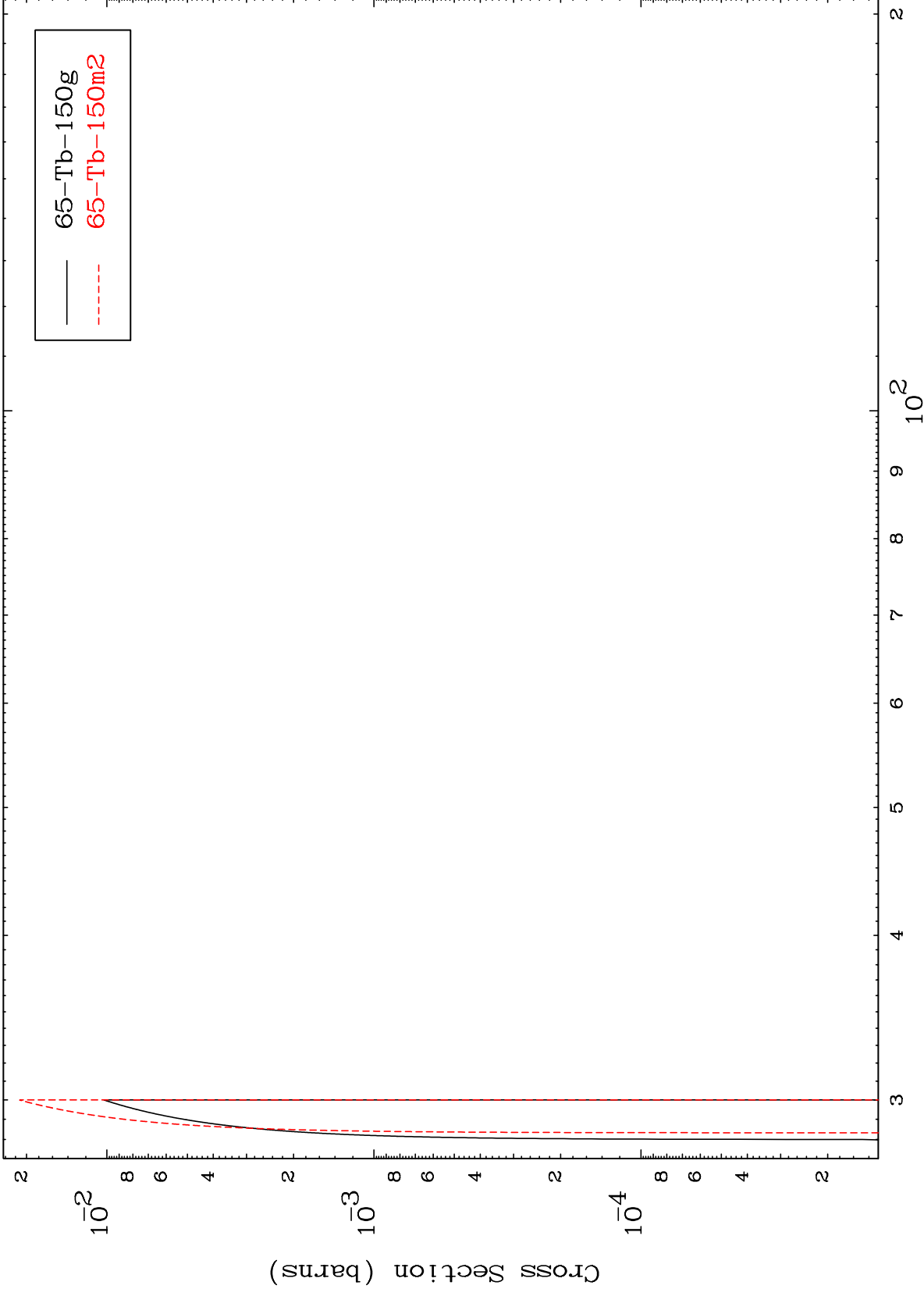
63-Eu-149

MAT 6319

(n,3n)

63-Eu-149

Radionuclide Production Cross Section



13

Incident Energy (MeV)

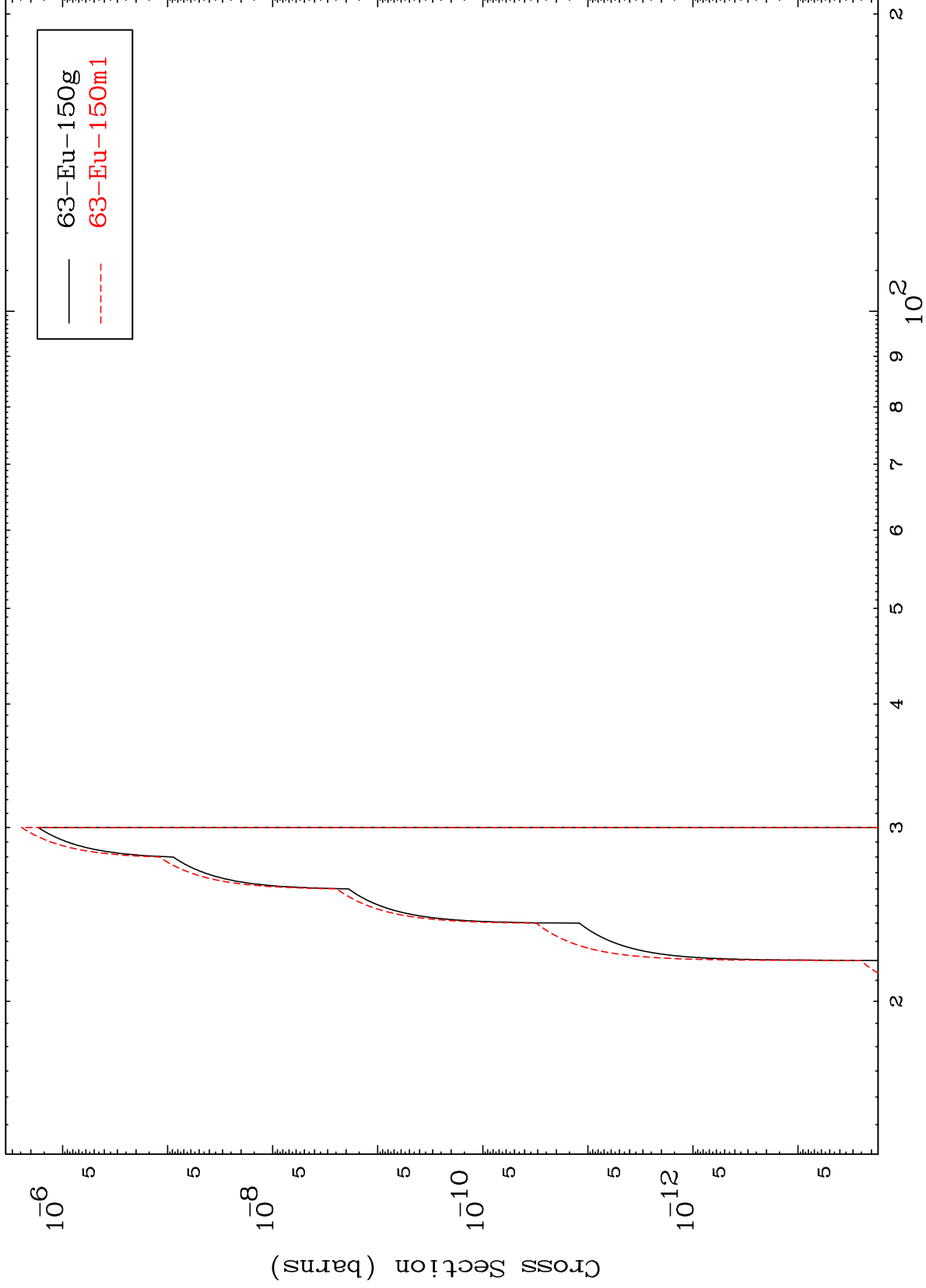
63-Eu-149

MAT 6319

(n,He-3)

63-Eu-149

Radionuclide Production Cross Section



14

Incident Energy (MeV)

63-Eu-149