

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

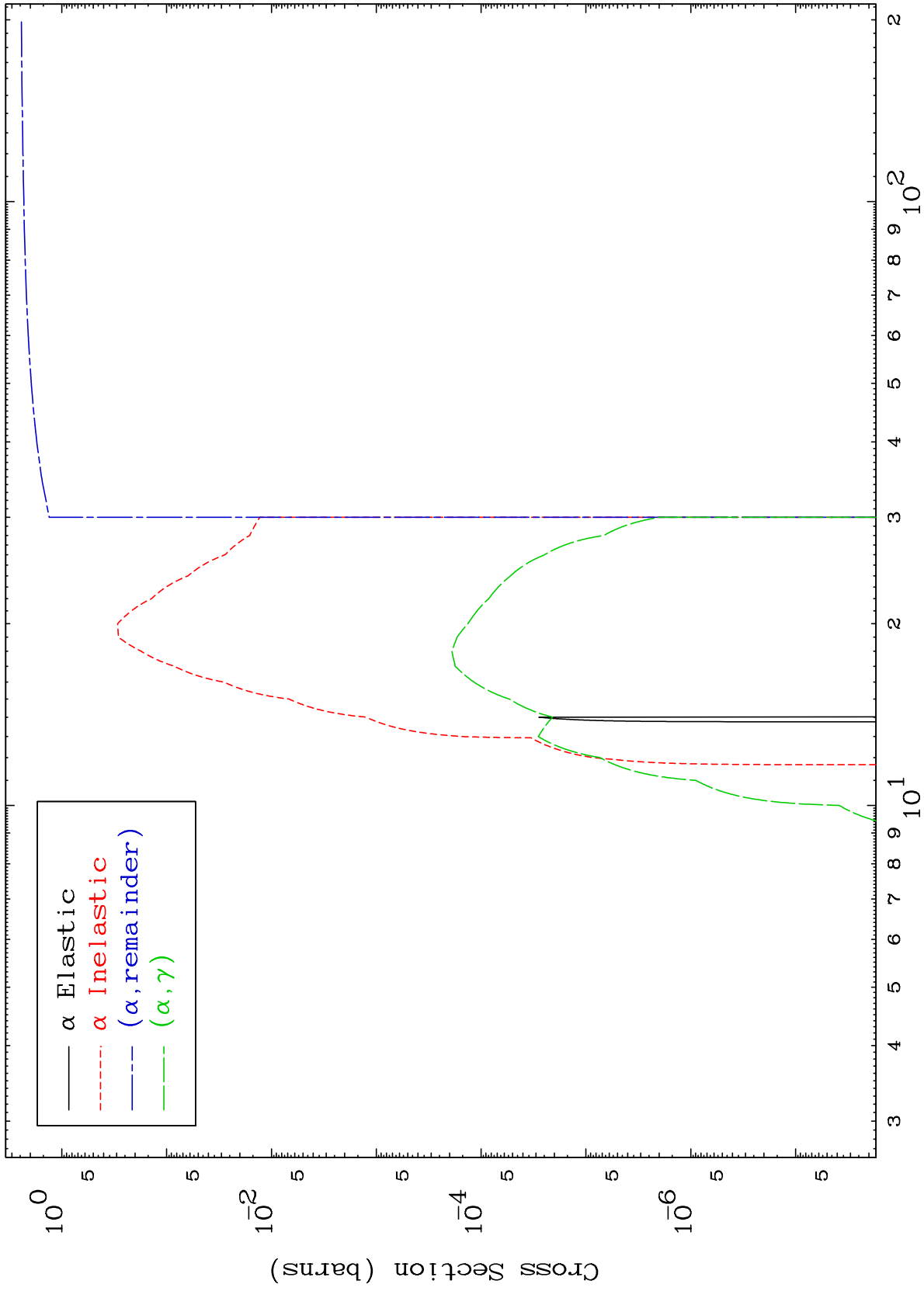
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6319

0 Kelvin α Major
Cross Sections

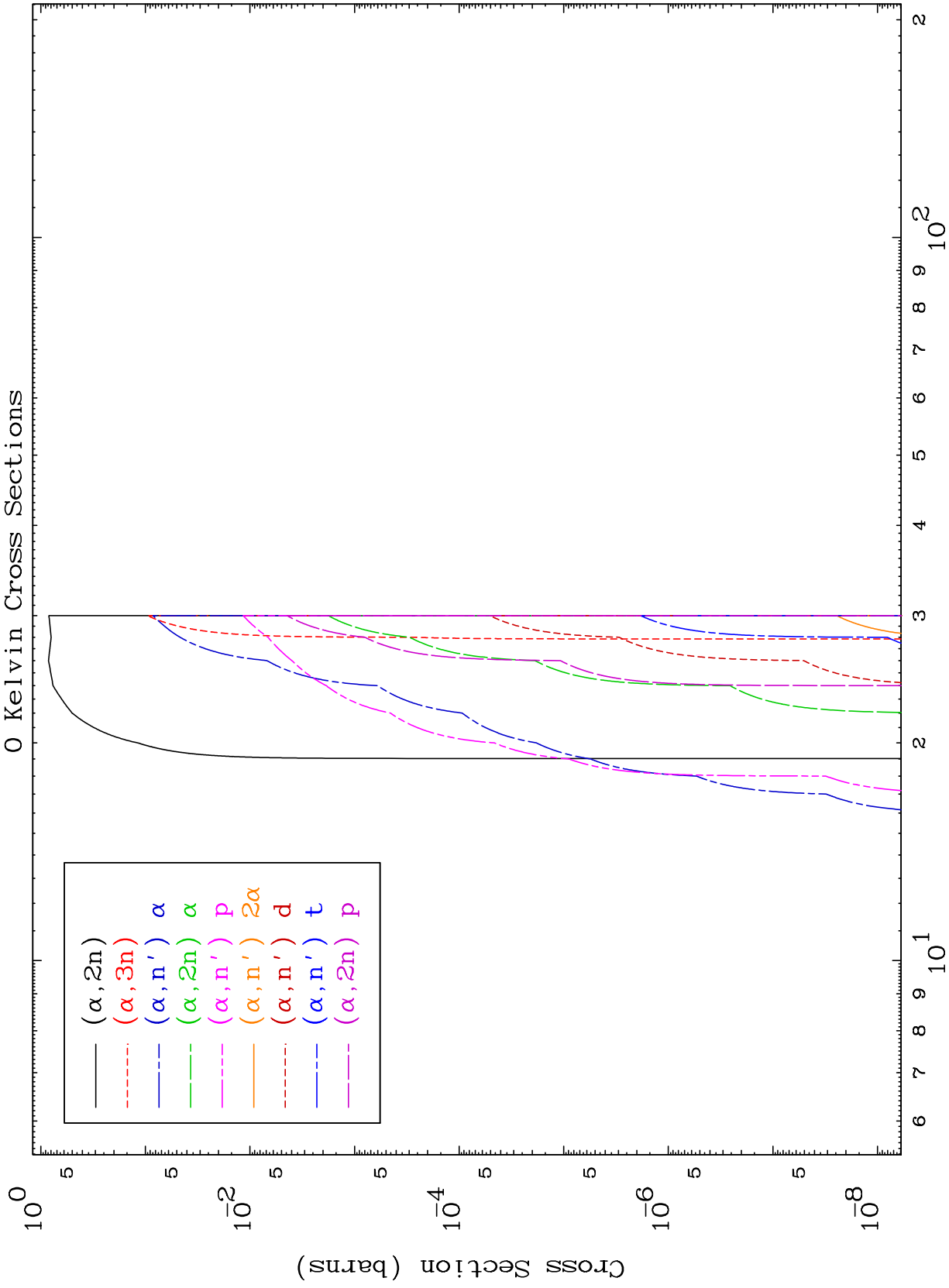
63-Eu-149



MAT 6319

α Neutron Production
0 Kelvin Cross Sections

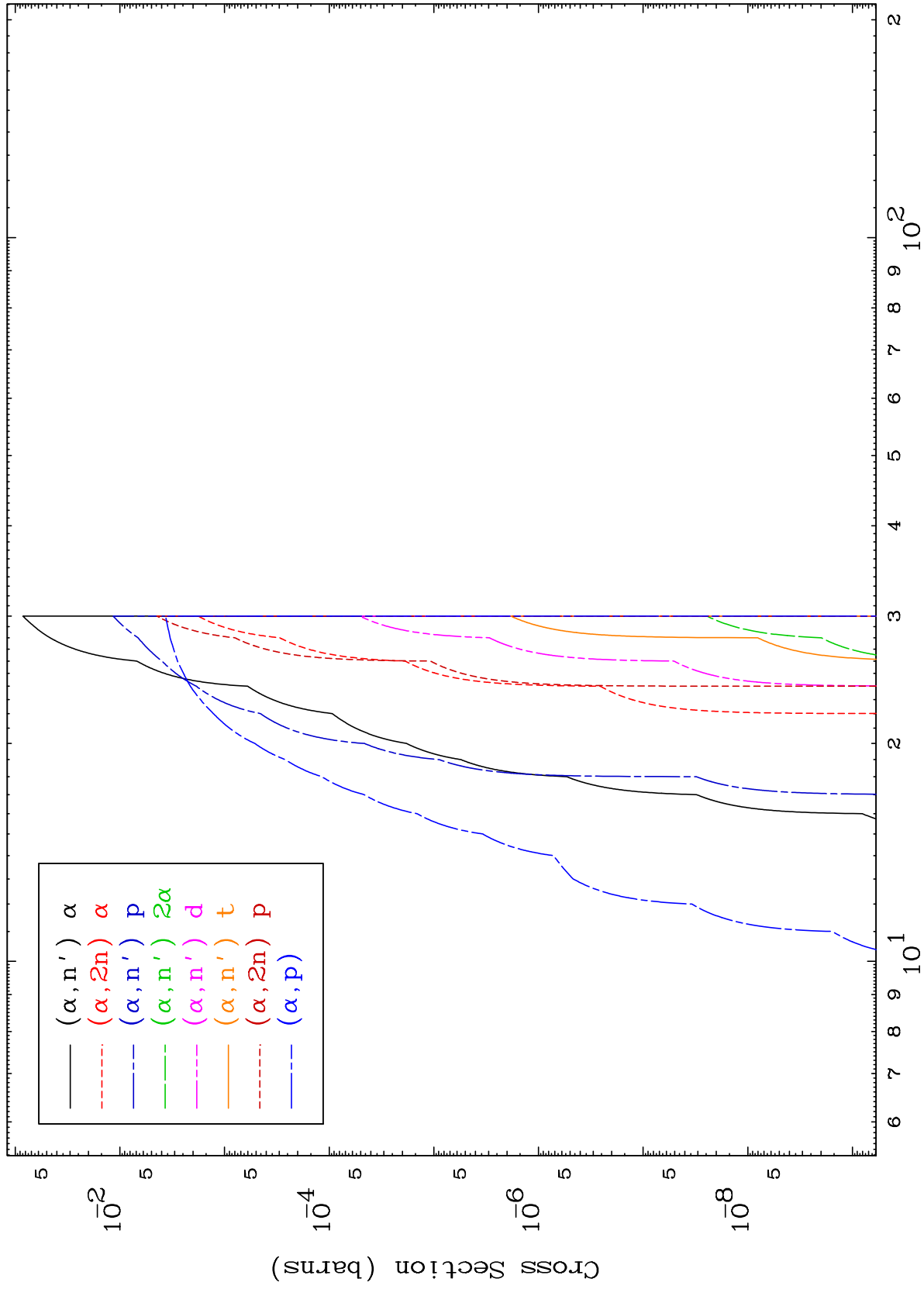
63-Eu-149



2

Incident Energy (MeV)

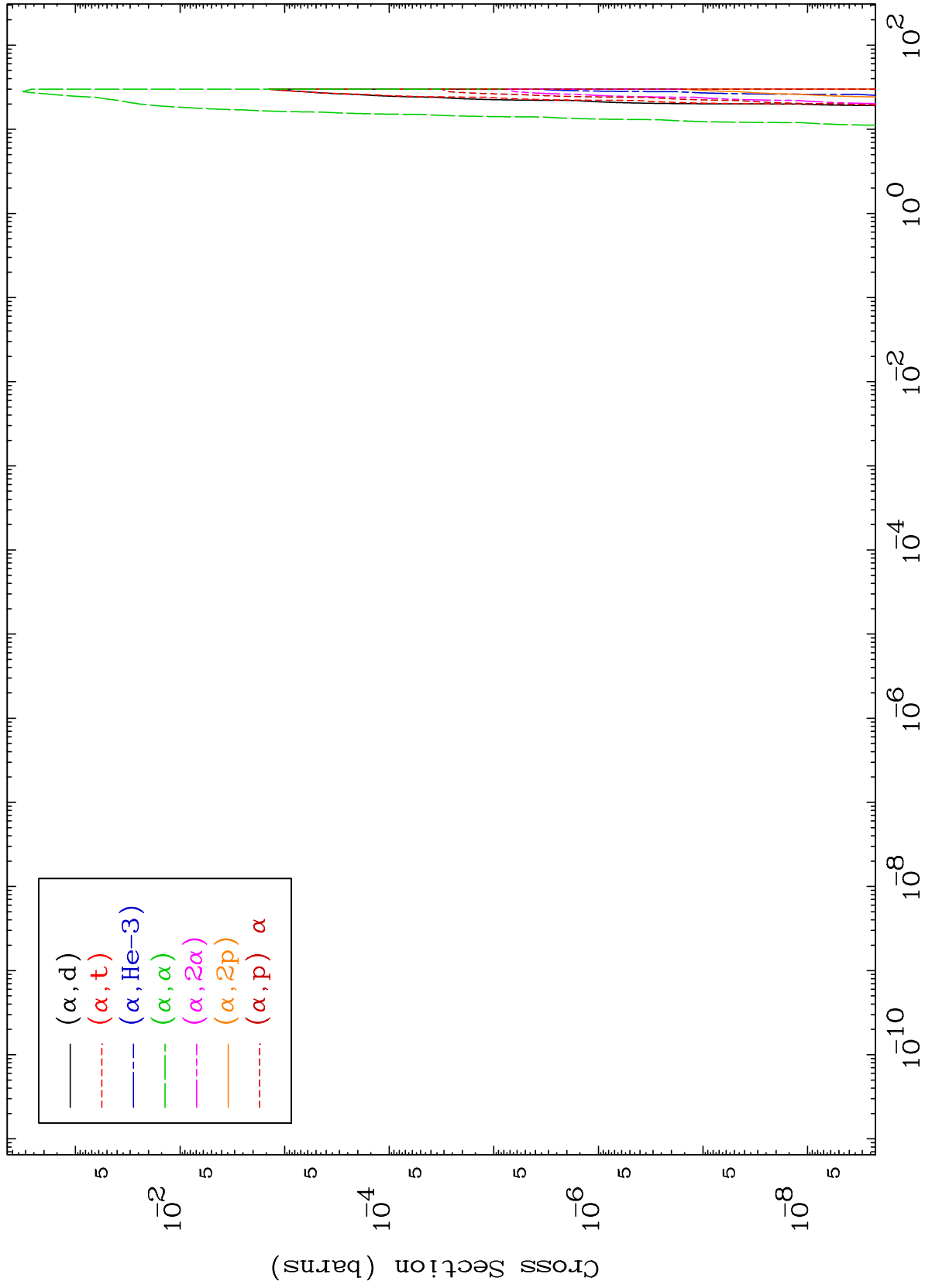
63-Eu-149



MAT 6319

α Charged Particle
0 Kelvin Cross Sections

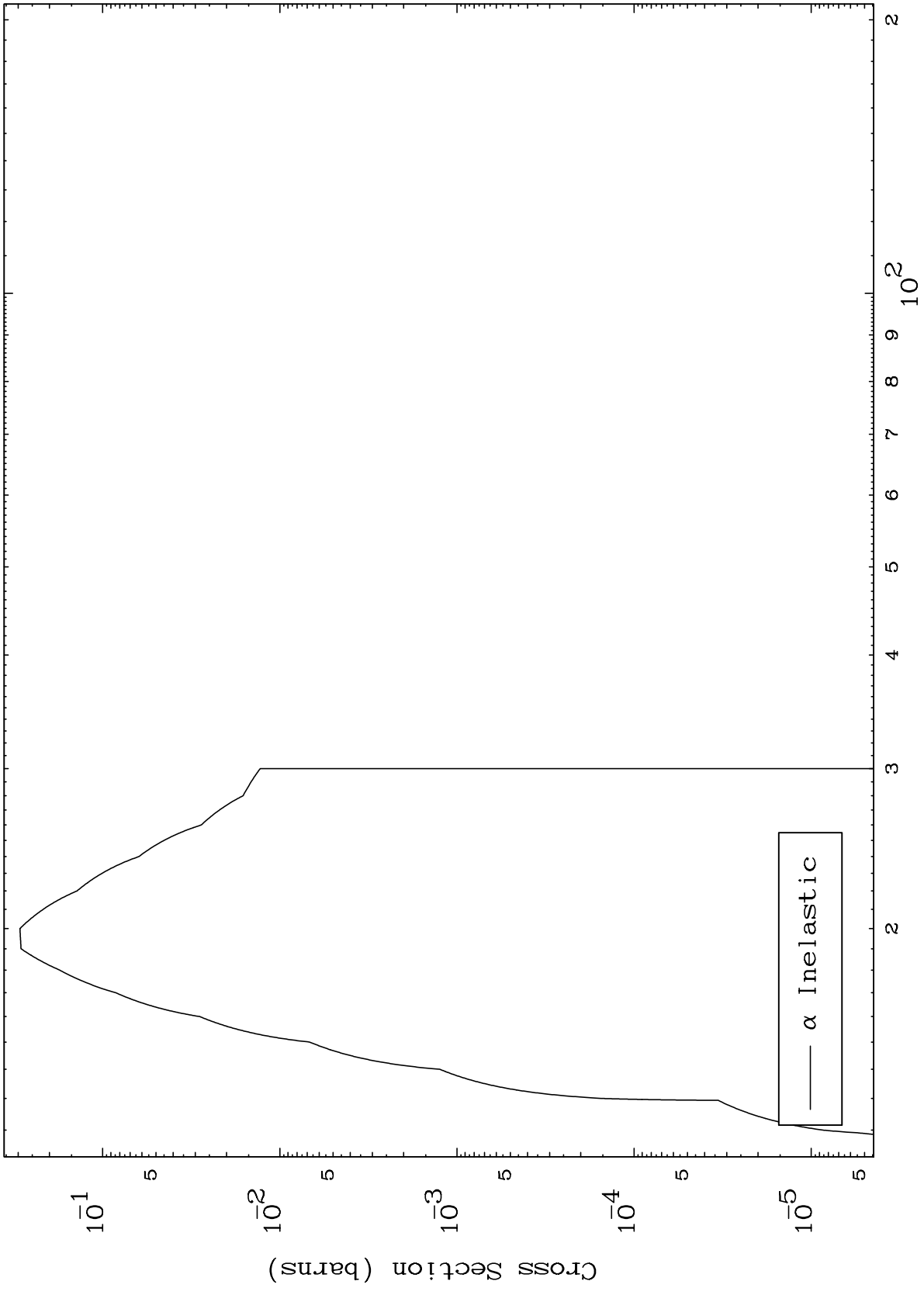
63-Eu-149



MAT 6319

(α, n') Level
0 Kelvin Cross Sections

63-Eu-149



5

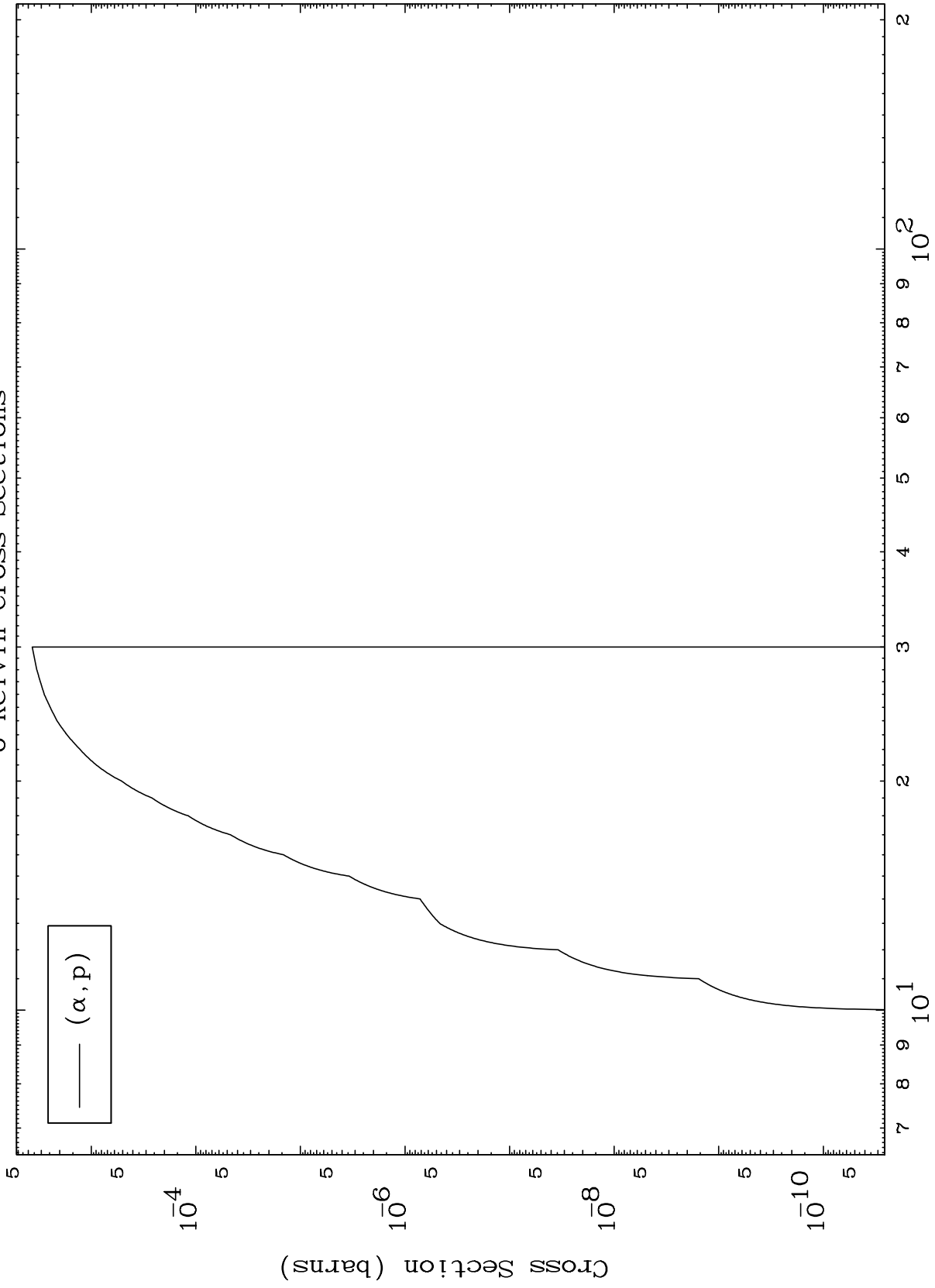
Incident Energy (MeV)

63-Eu-149

MAT 6319

(α, p) Levels
0 Kelvin Cross Sections

63-Eu-149



6

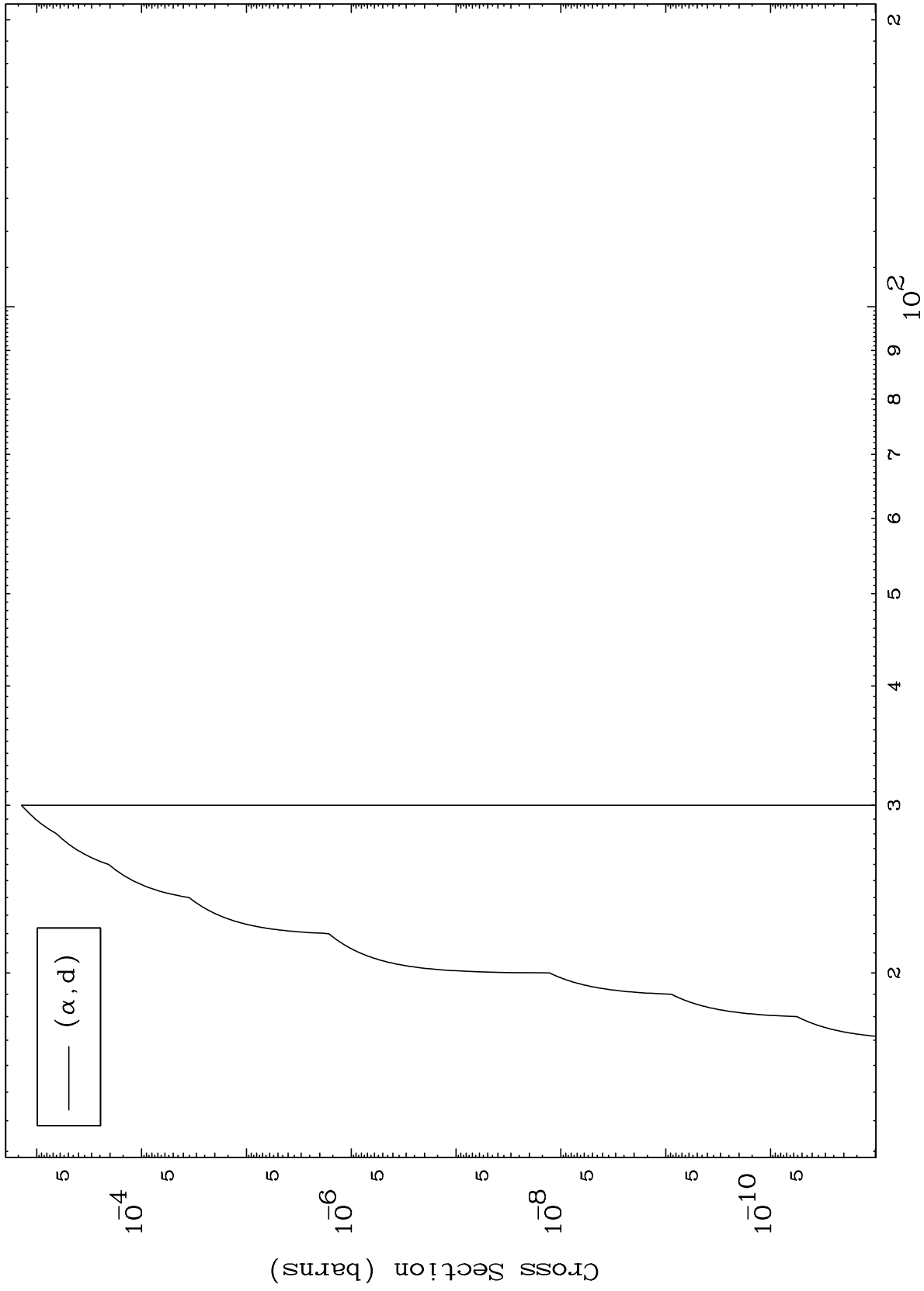
Incident Energy (MeV)

63-Eu-149

MAT 6319

(α, d) Levels
0 Kelvin Cross Sections

63-Eu-149



7

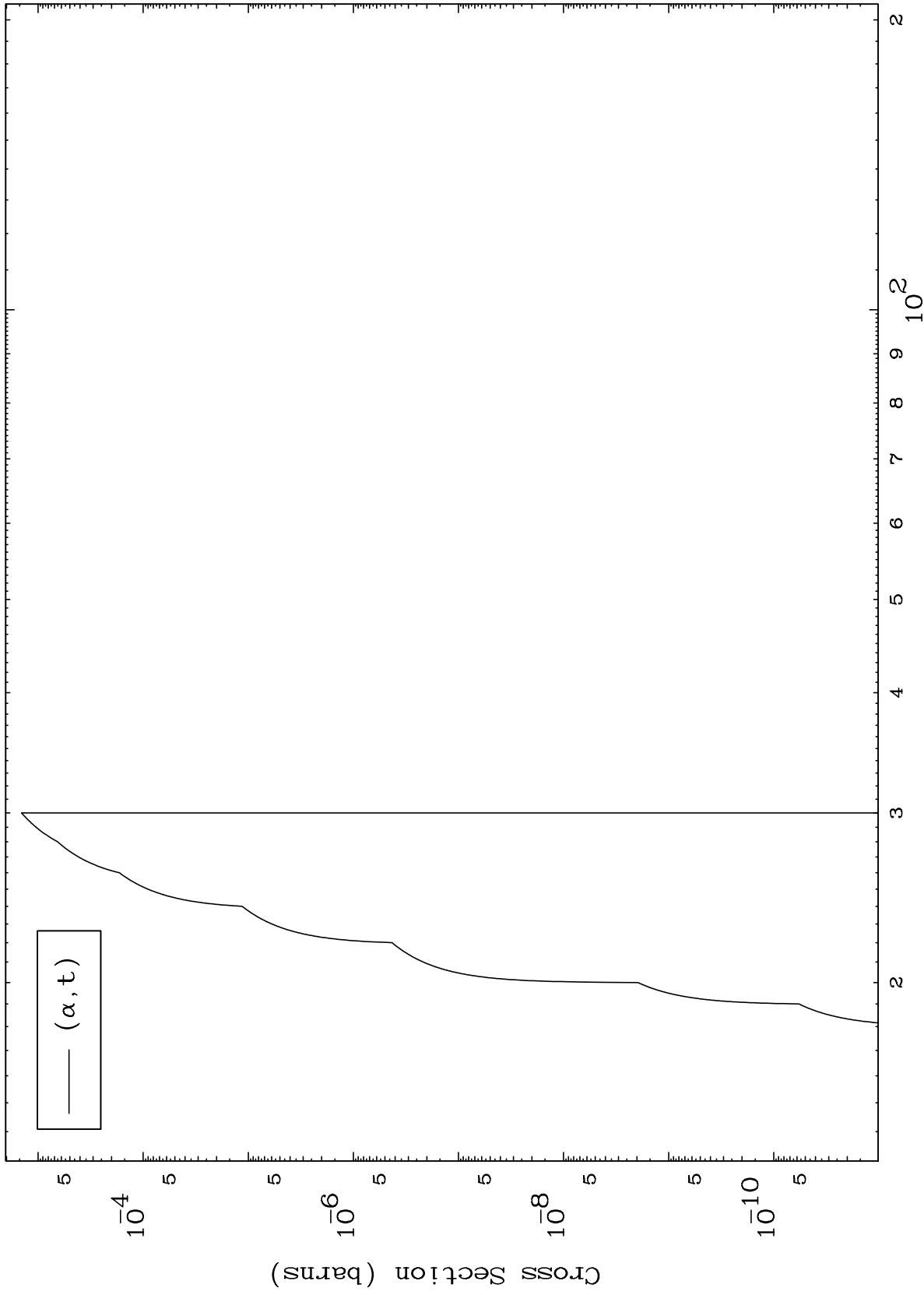
Incident Energy (MeV)

63-Eu-149

MAT 6319

(α, t) Levels
0 Kelvin Cross Sections

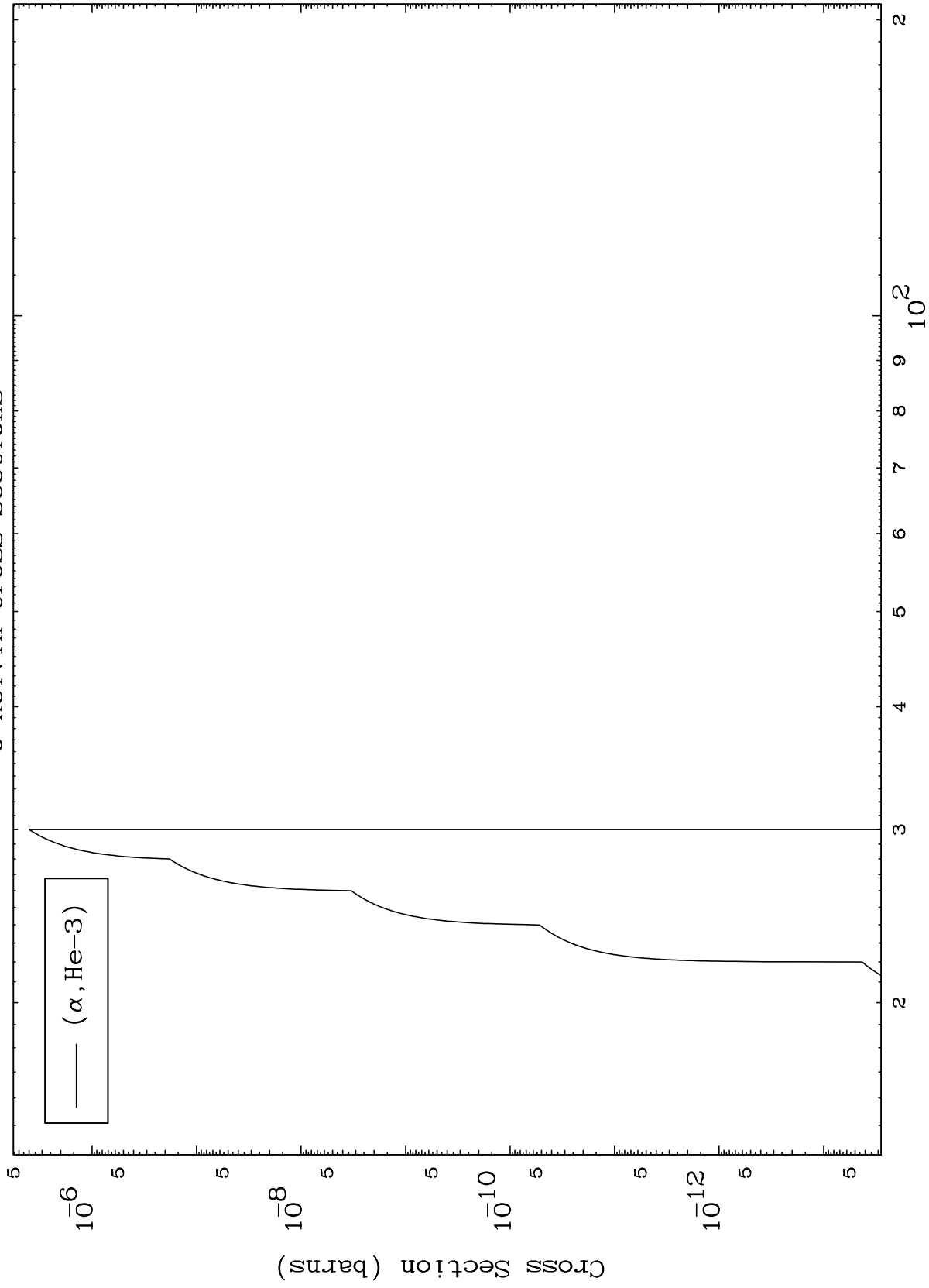
63-Eu-149



8

Incident Energy (MeV)

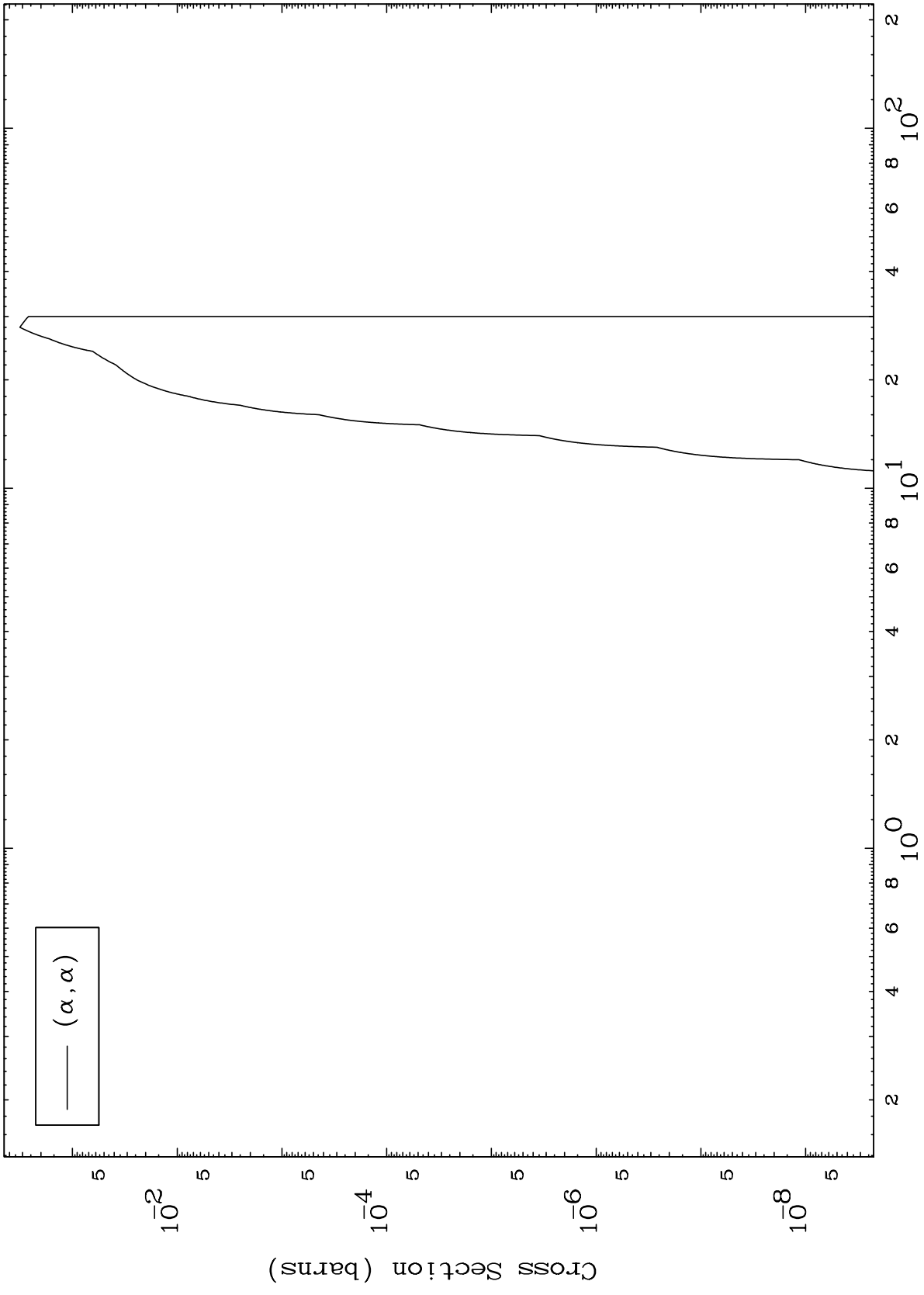
63-Eu-149



MAT 6319

(α, α) Levels
0 Kelvin Cross Sections

63-Eu-149

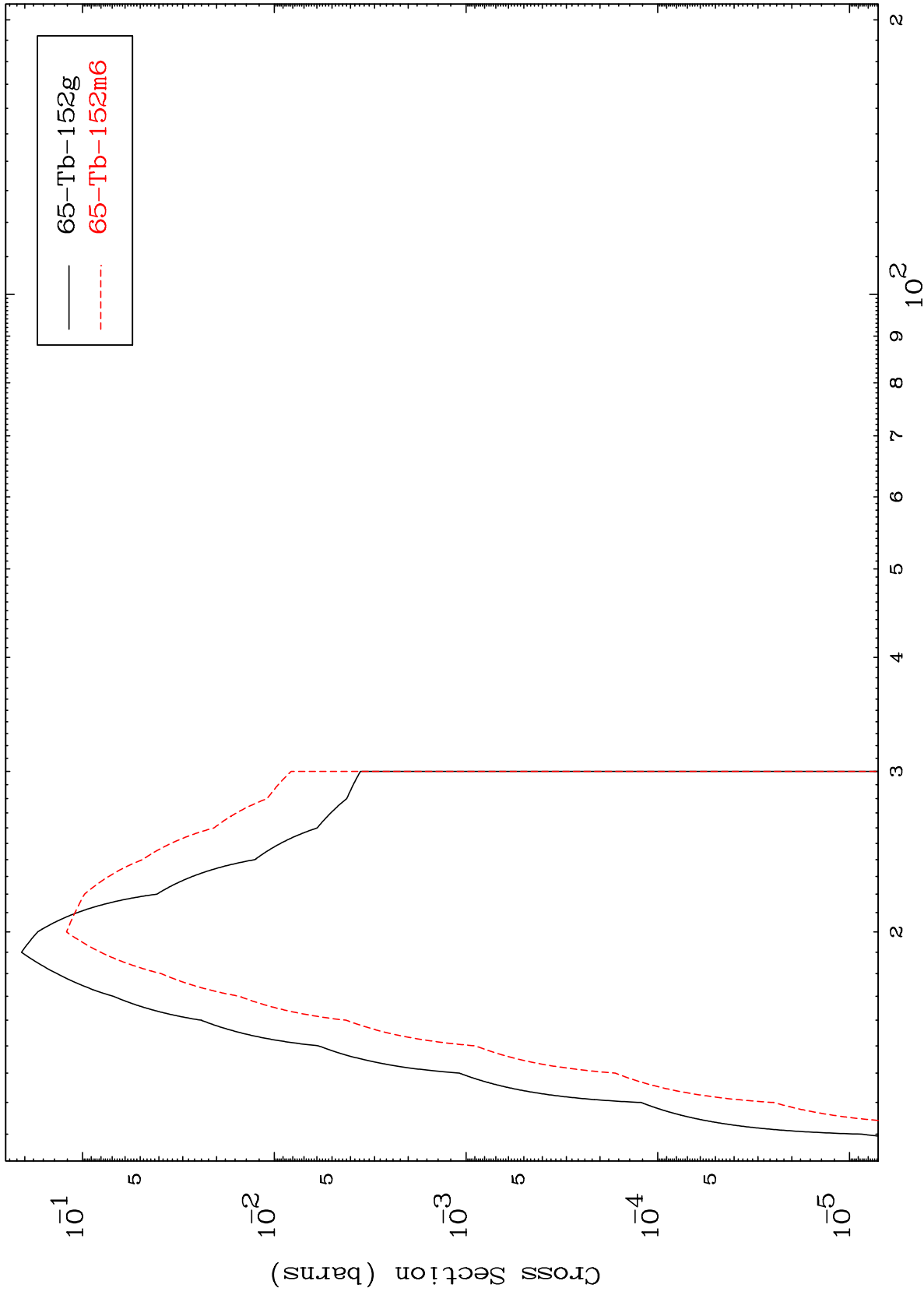


10

Incident Energy (MeV)

63-Eu-149

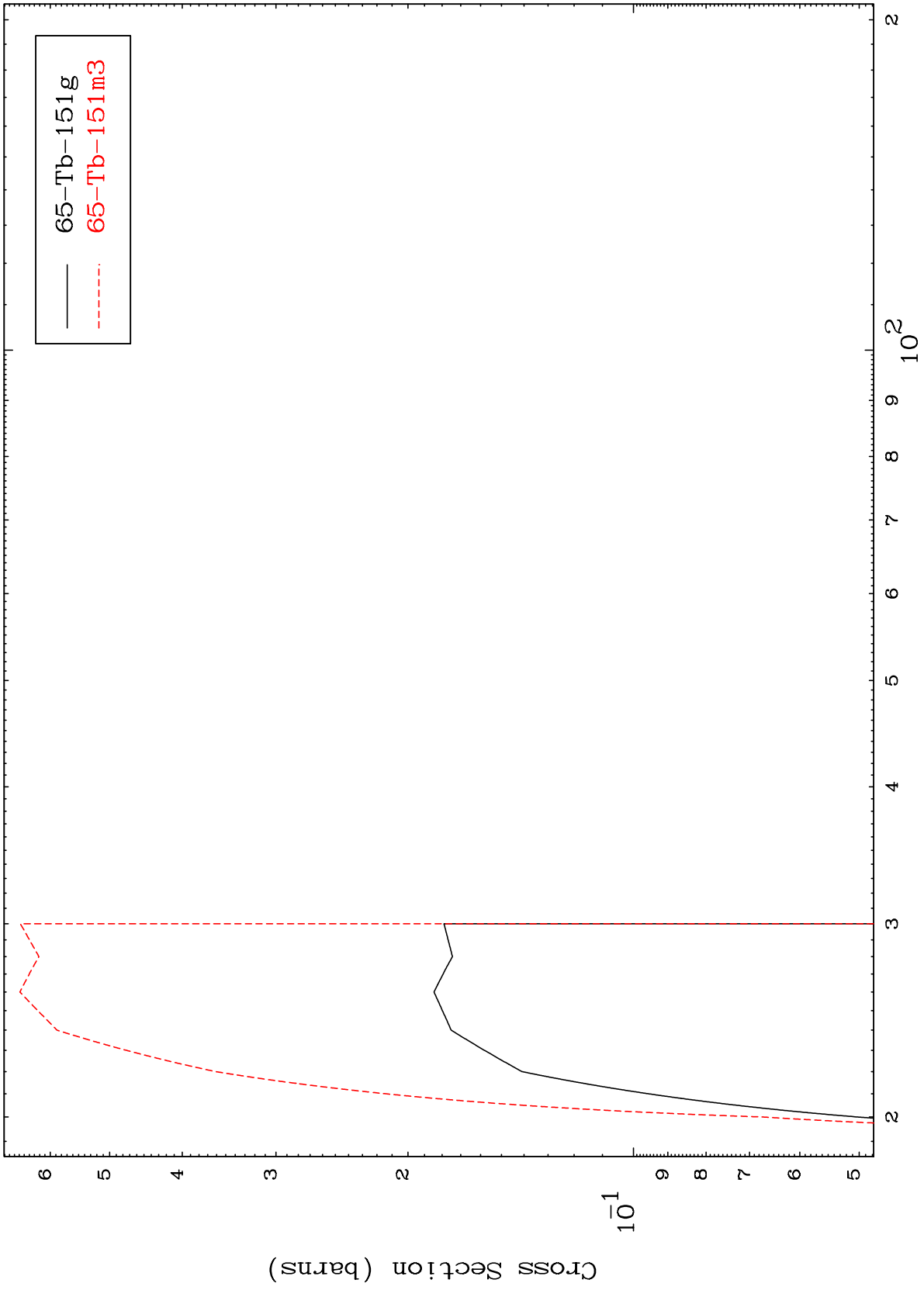
α Inelastic
Radionuclide Production Cross Section



MAT 6319

63-Eu-149

($\alpha, 2n$)
Radionuclide Production Cross Section



12

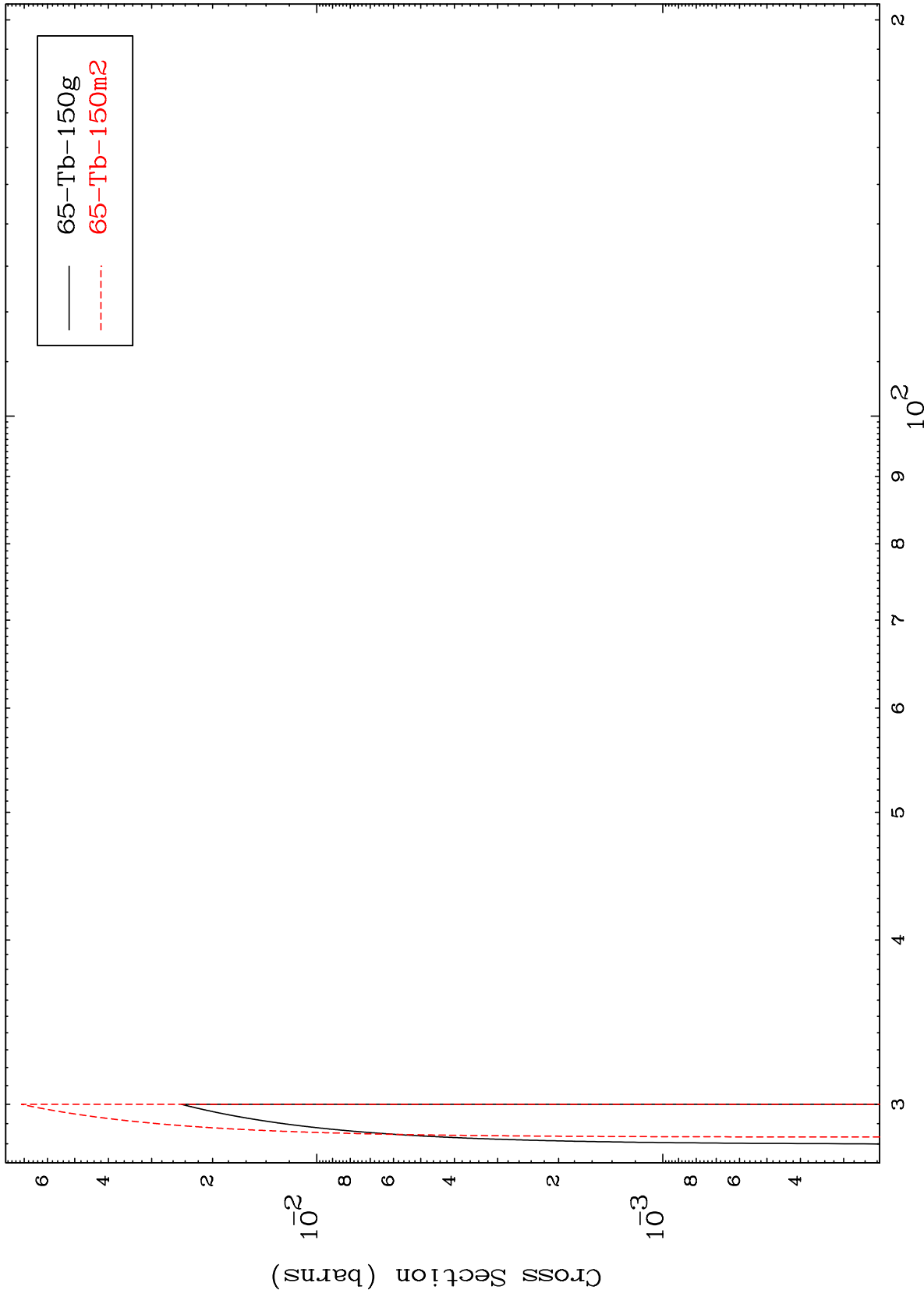
63-Eu-149

MAT 6319

($\alpha, 3n$)

63-Eu-149

Radionuclide Production Cross Section



13

Incident Energy (MeV)

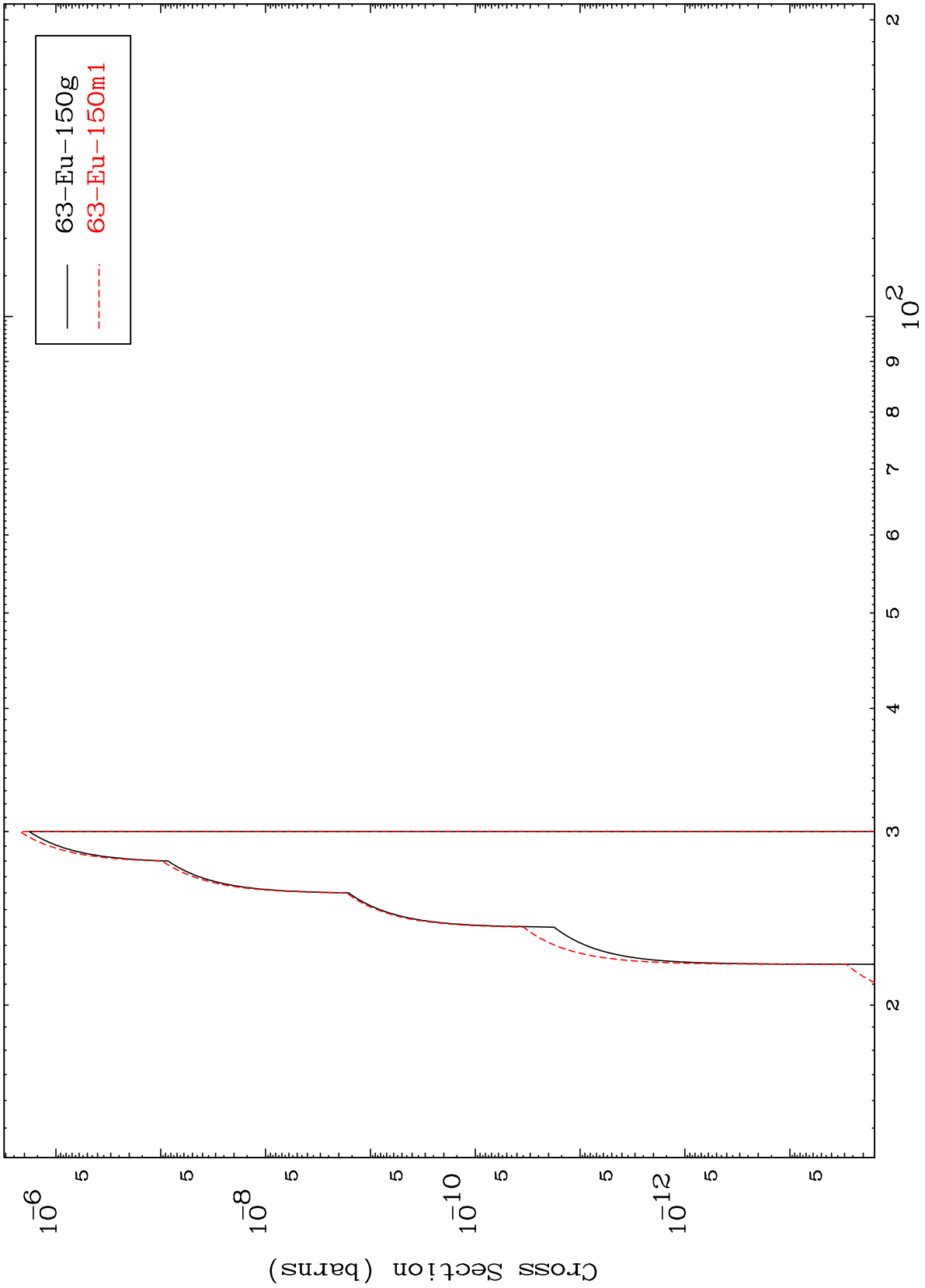
63-Eu-149

MAT 6319

($\alpha, \text{He-3}$)

63-Eu-149

Radionuclide Production Cross Section



14

Incident Energy (MeV)

63-Eu-149