

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

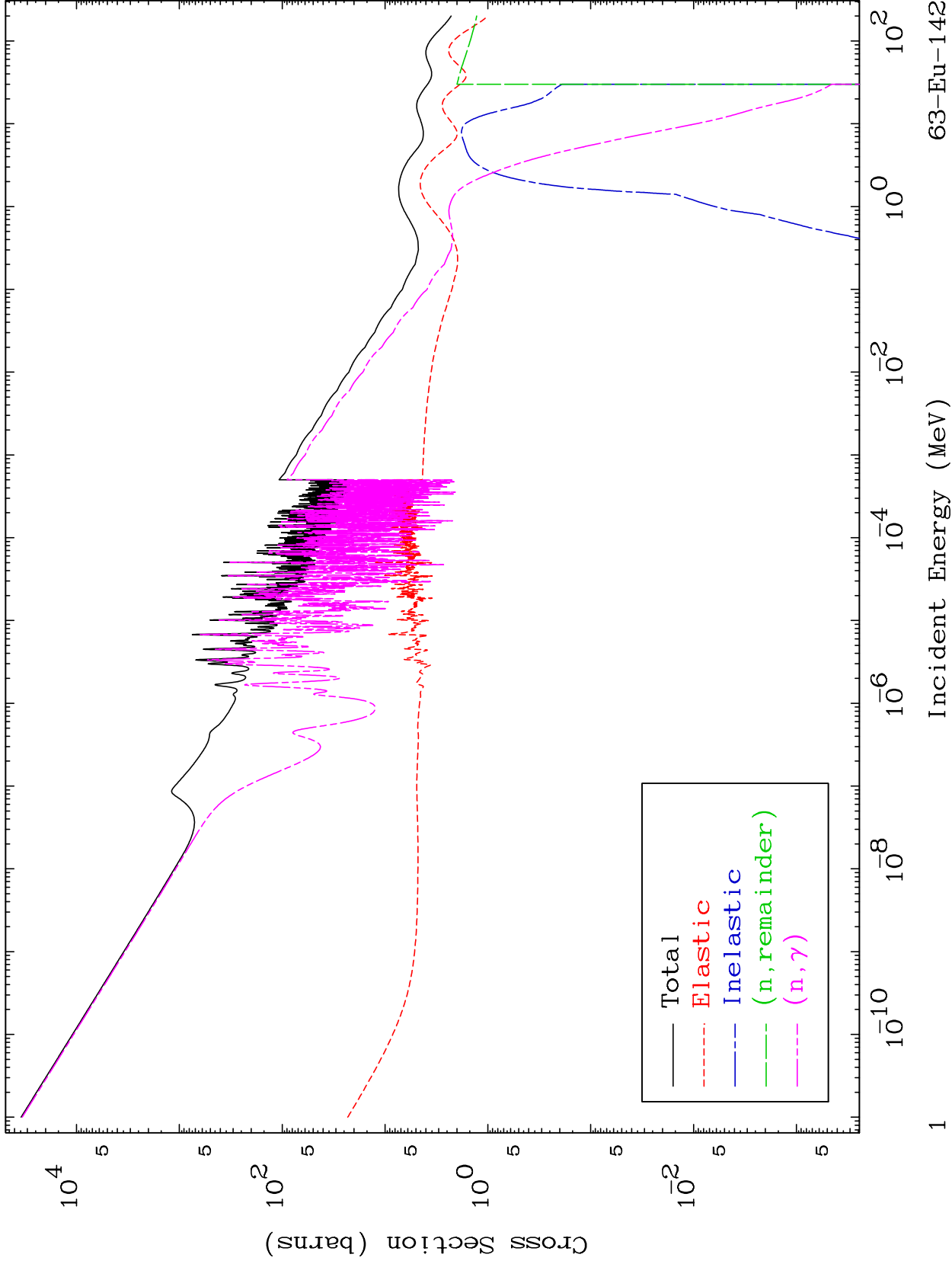
Press Mouse Button to Start

MAT 6299

Major

293 Kelvin Cross Sections

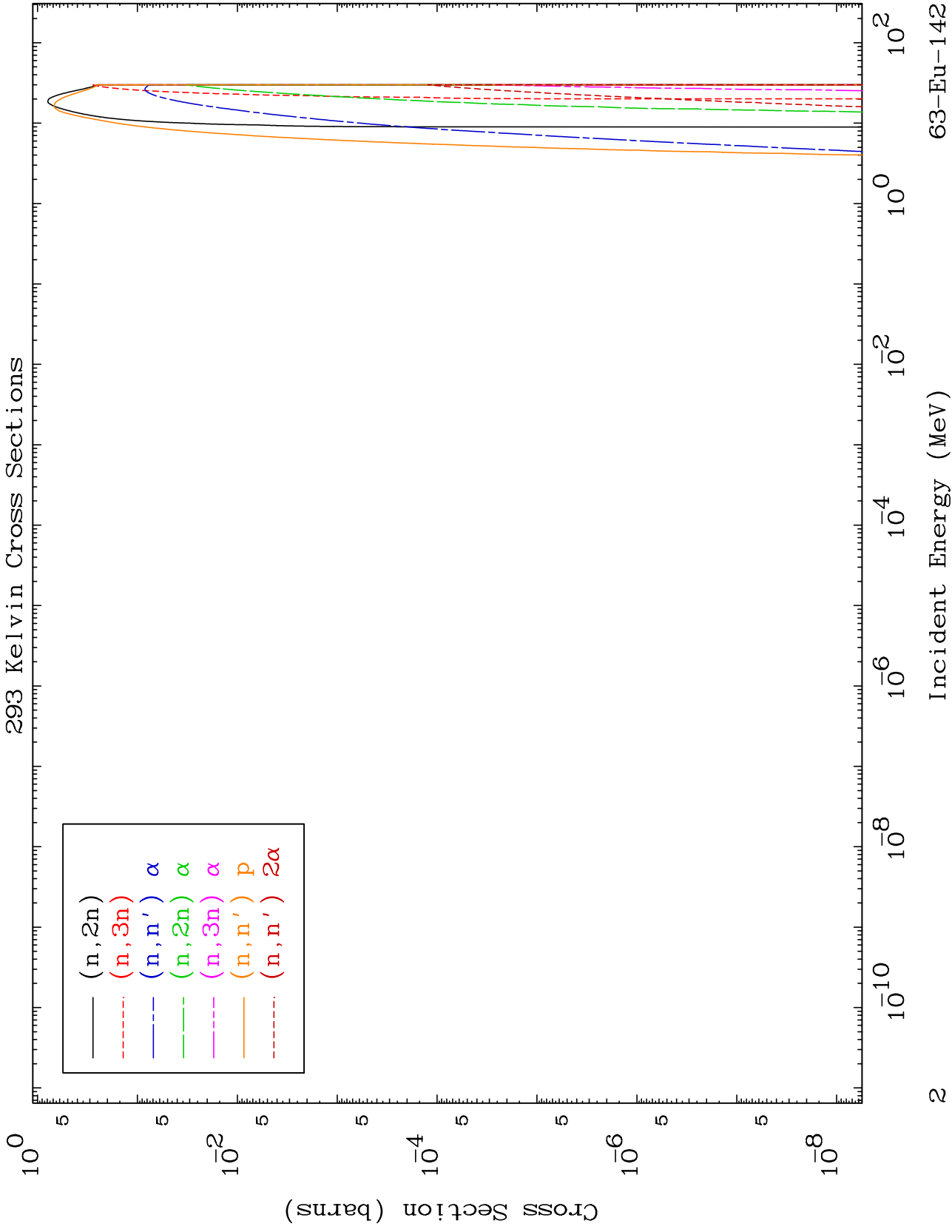
63-Eu-142

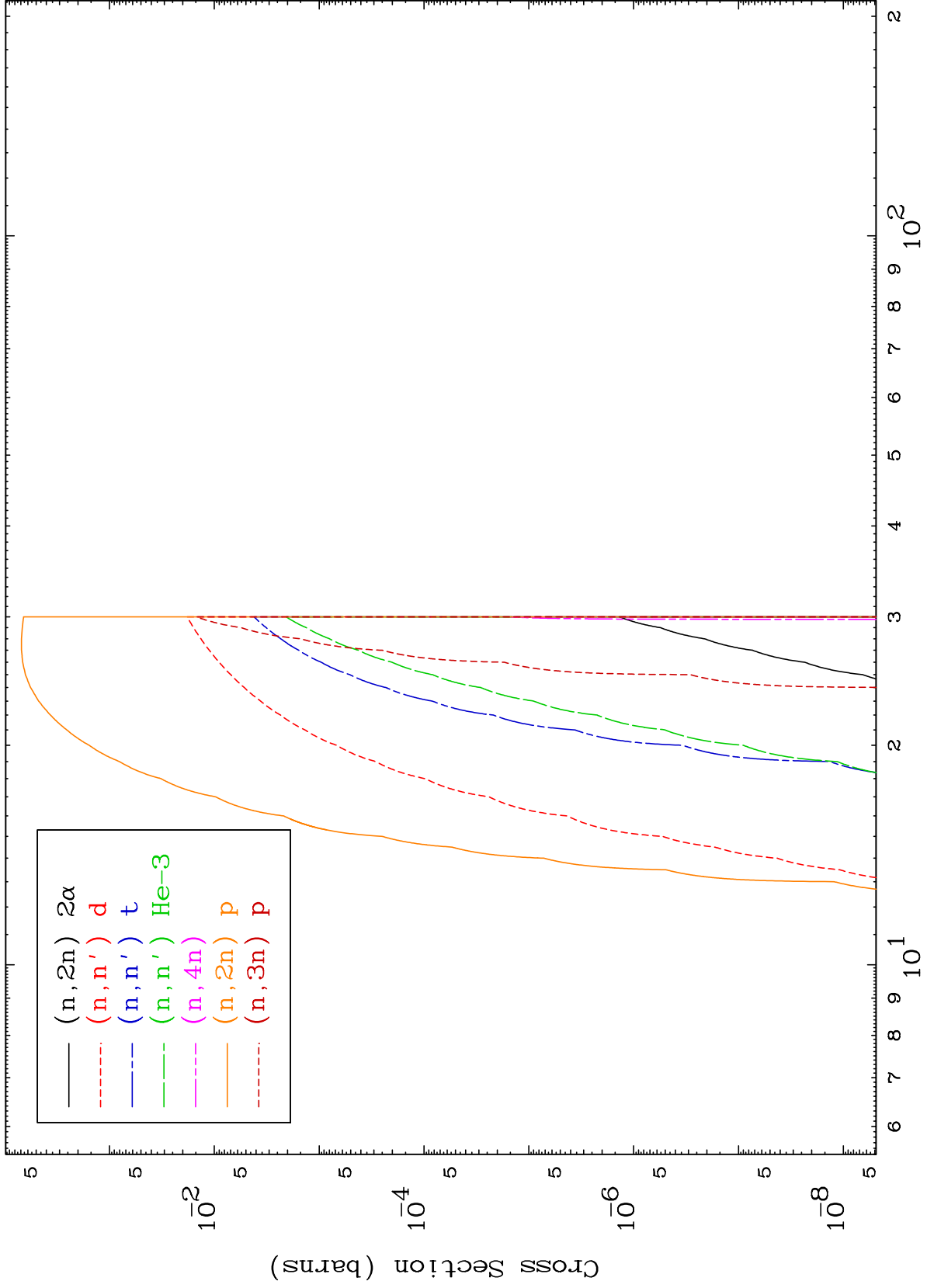


MAT 6299

Neutron Production
293 Kelvin Cross Sections

63-Eu-142

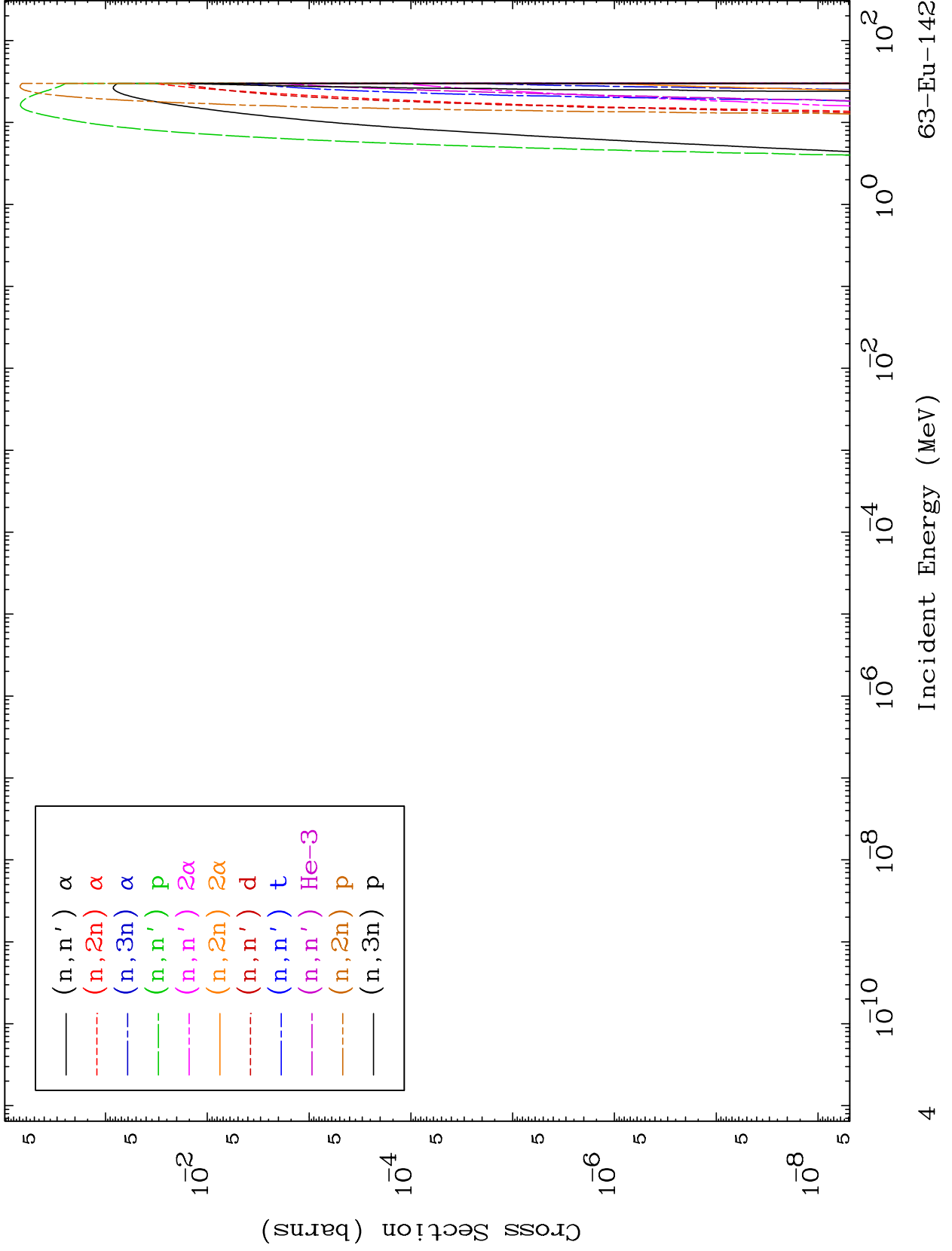




MAT 6299

Charged Particle
293 Kelvin Cross Sections

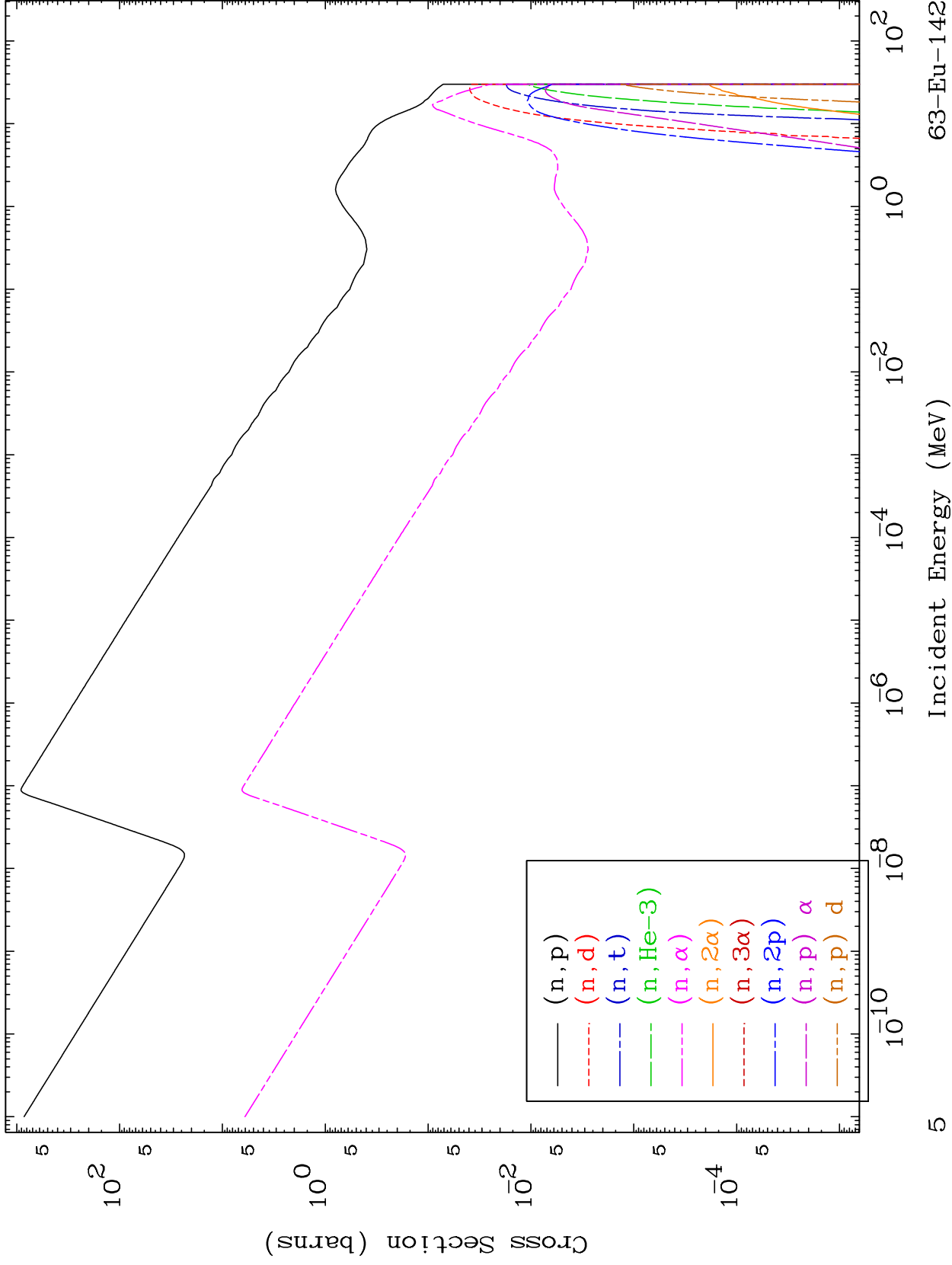
63-Eu-142

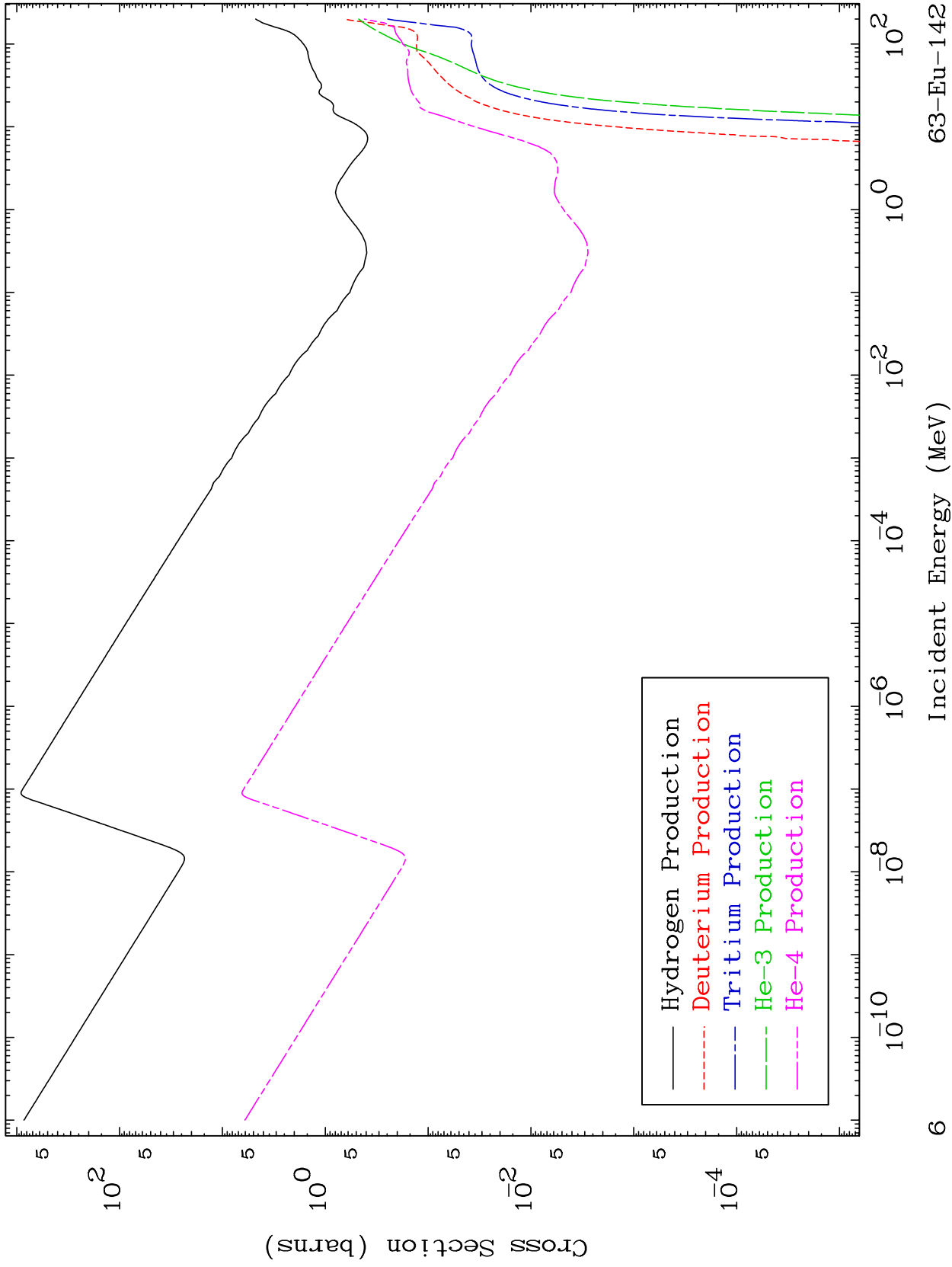


MAT 6299

Charged Particle
293 Kelvin Cross Sections

63-Eu-142

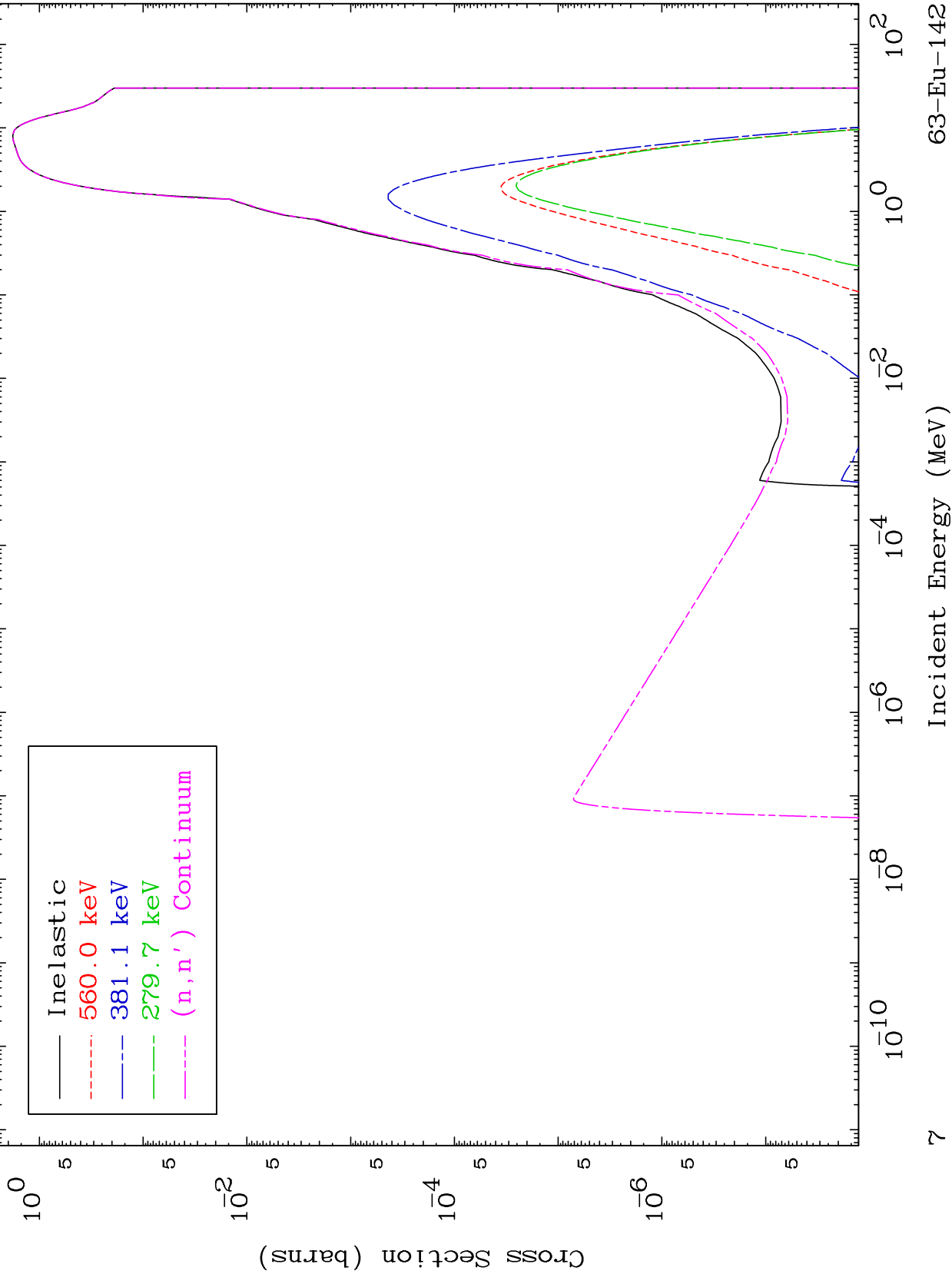


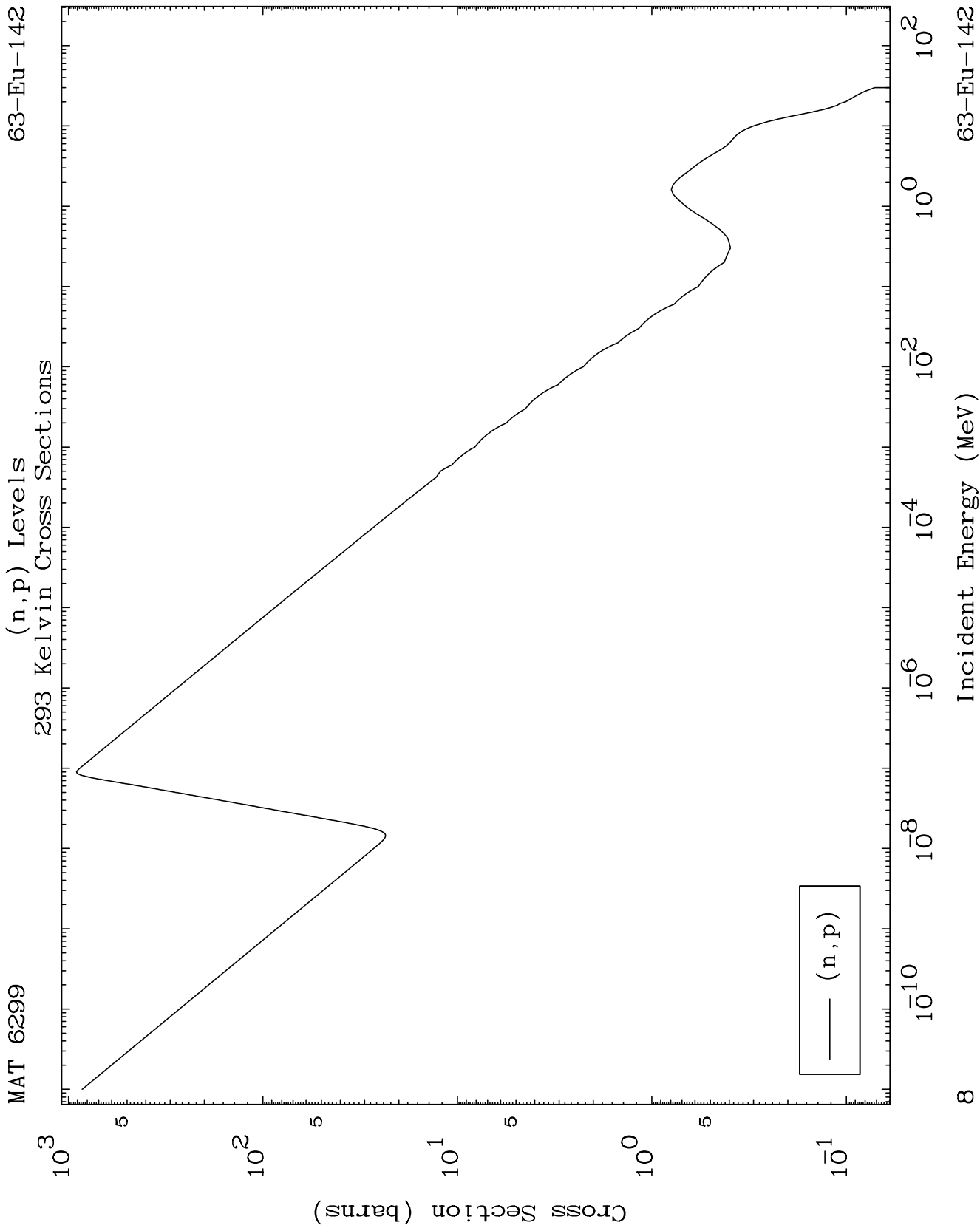


MAT 6299

(n,n') Level
293 Kelvin Cross Sections

63-Eu-142

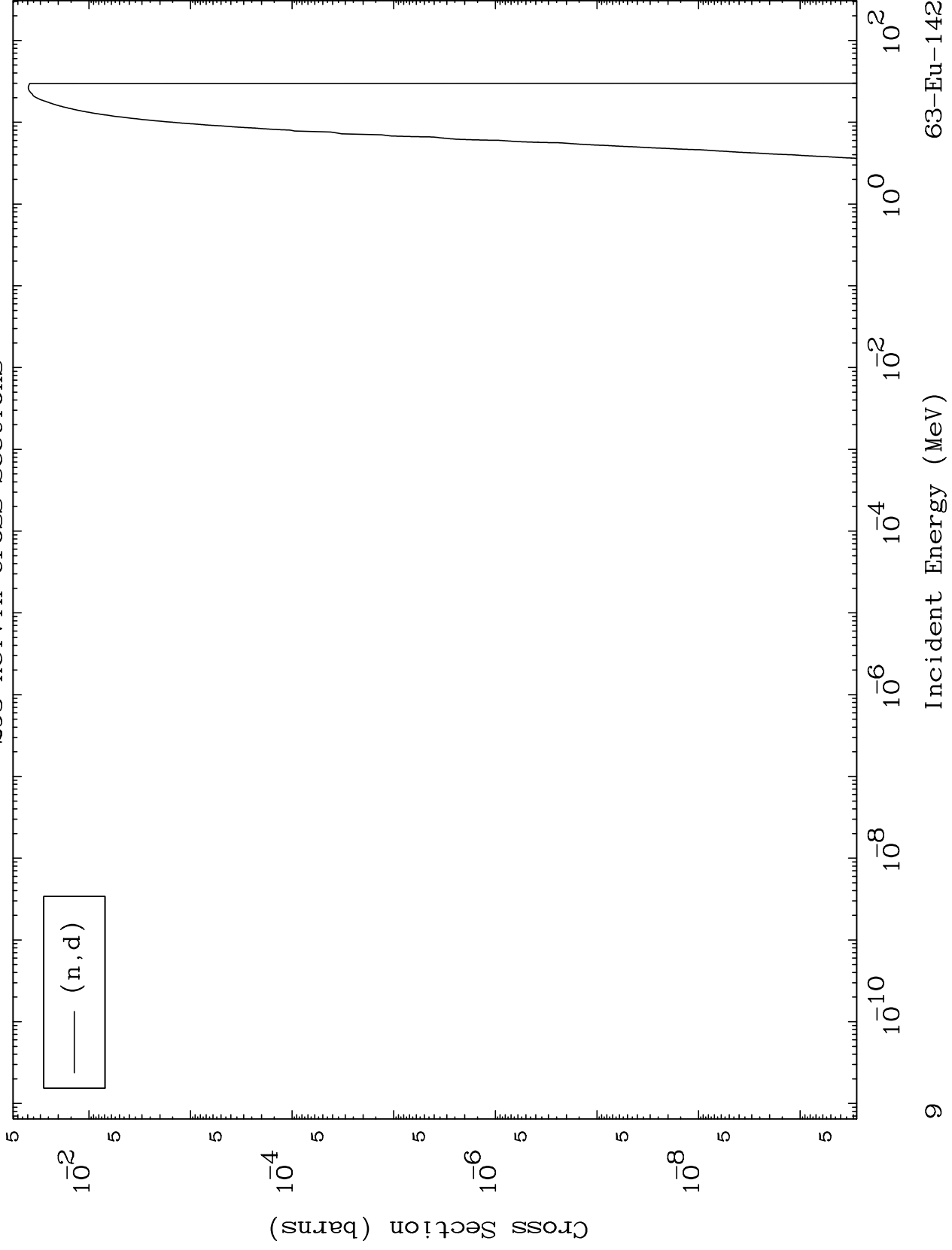




MAT 6299

(n,d) Levels
293 Kelvin Cross Sections

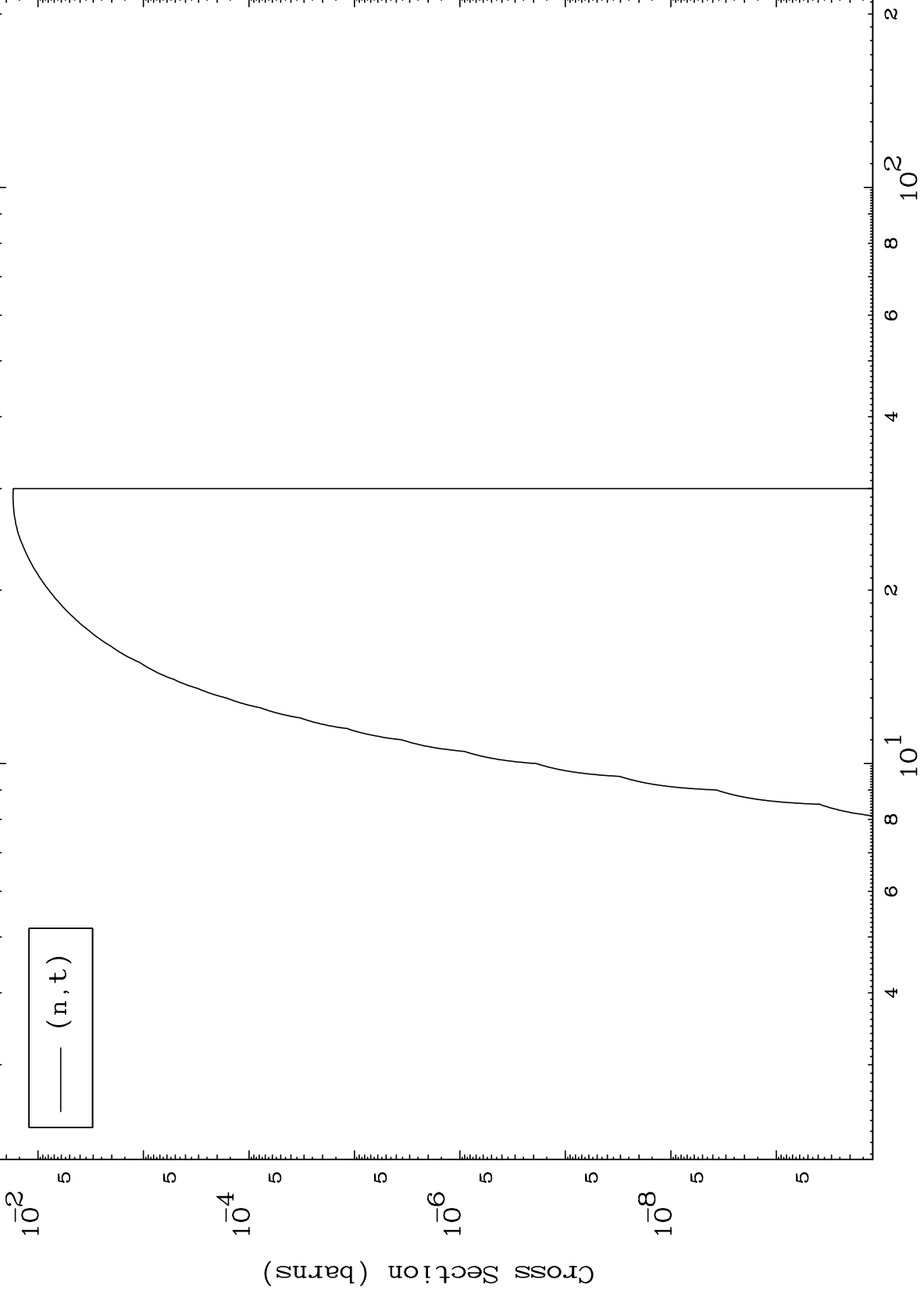
63-Eu-142



MAT 6299

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-142



10

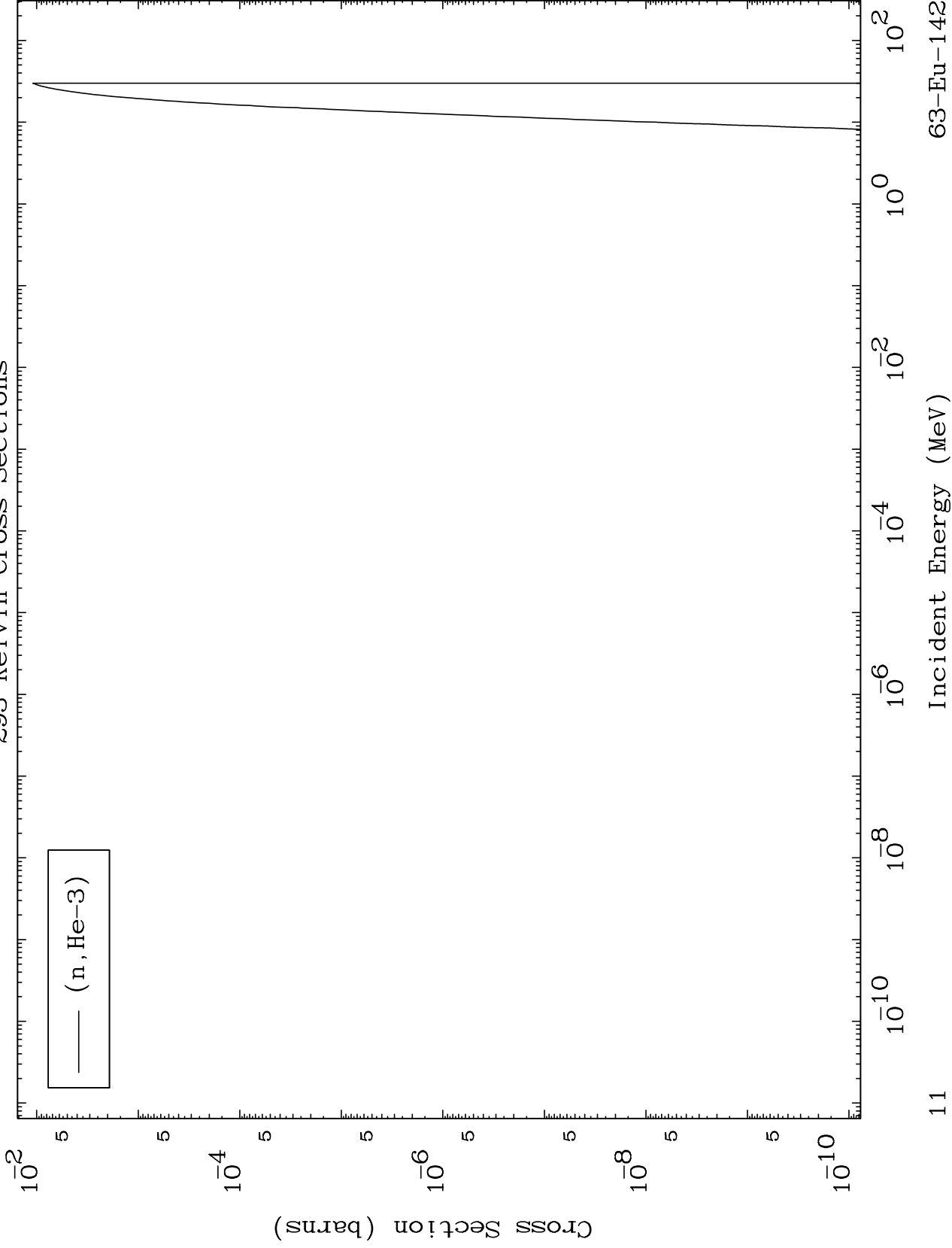
Incident Energy (MeV)

63-Eu-142

MAT 6299

(n,He3) Levels
293 Kelvin Cross Sections

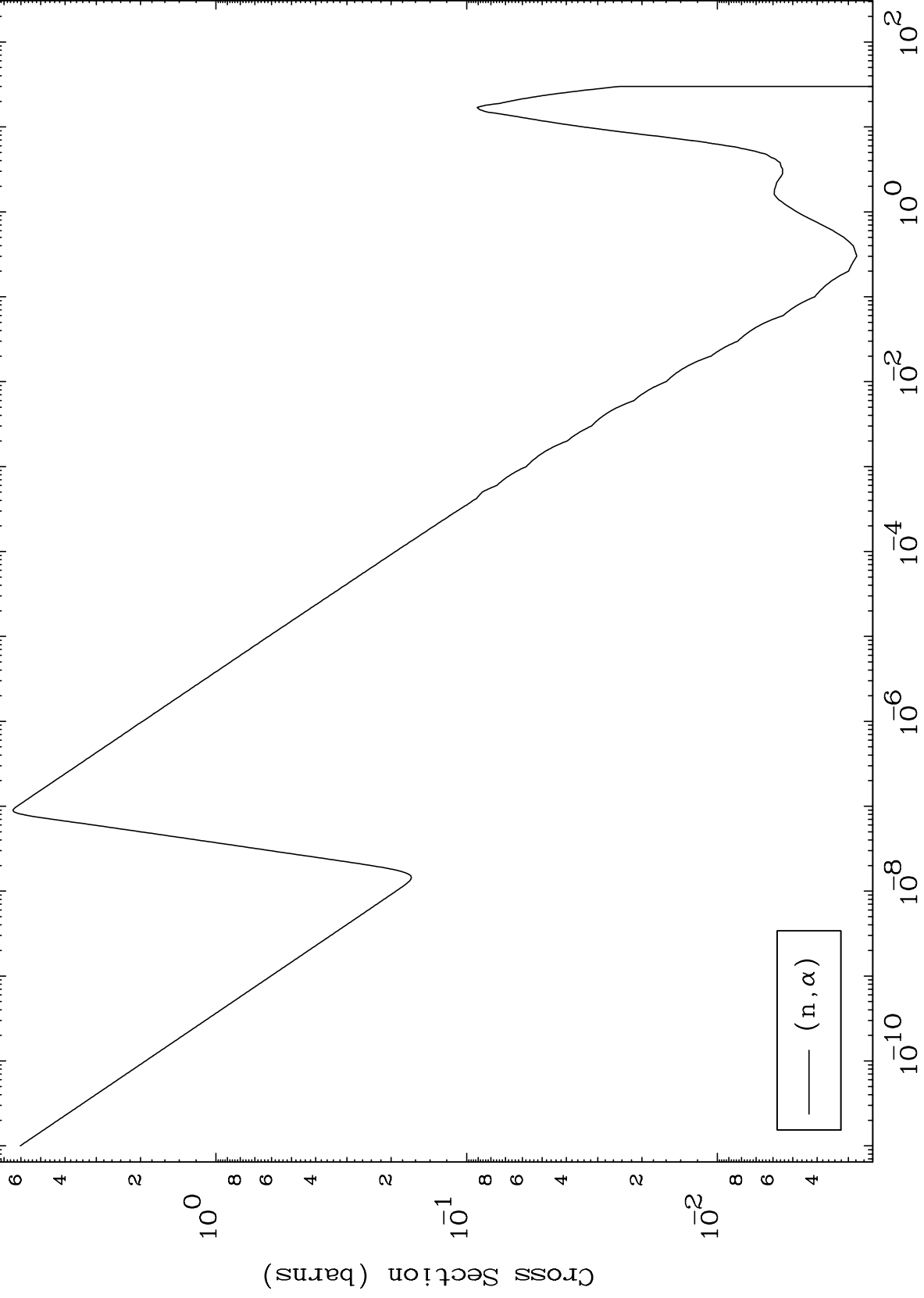
63-Eu-142

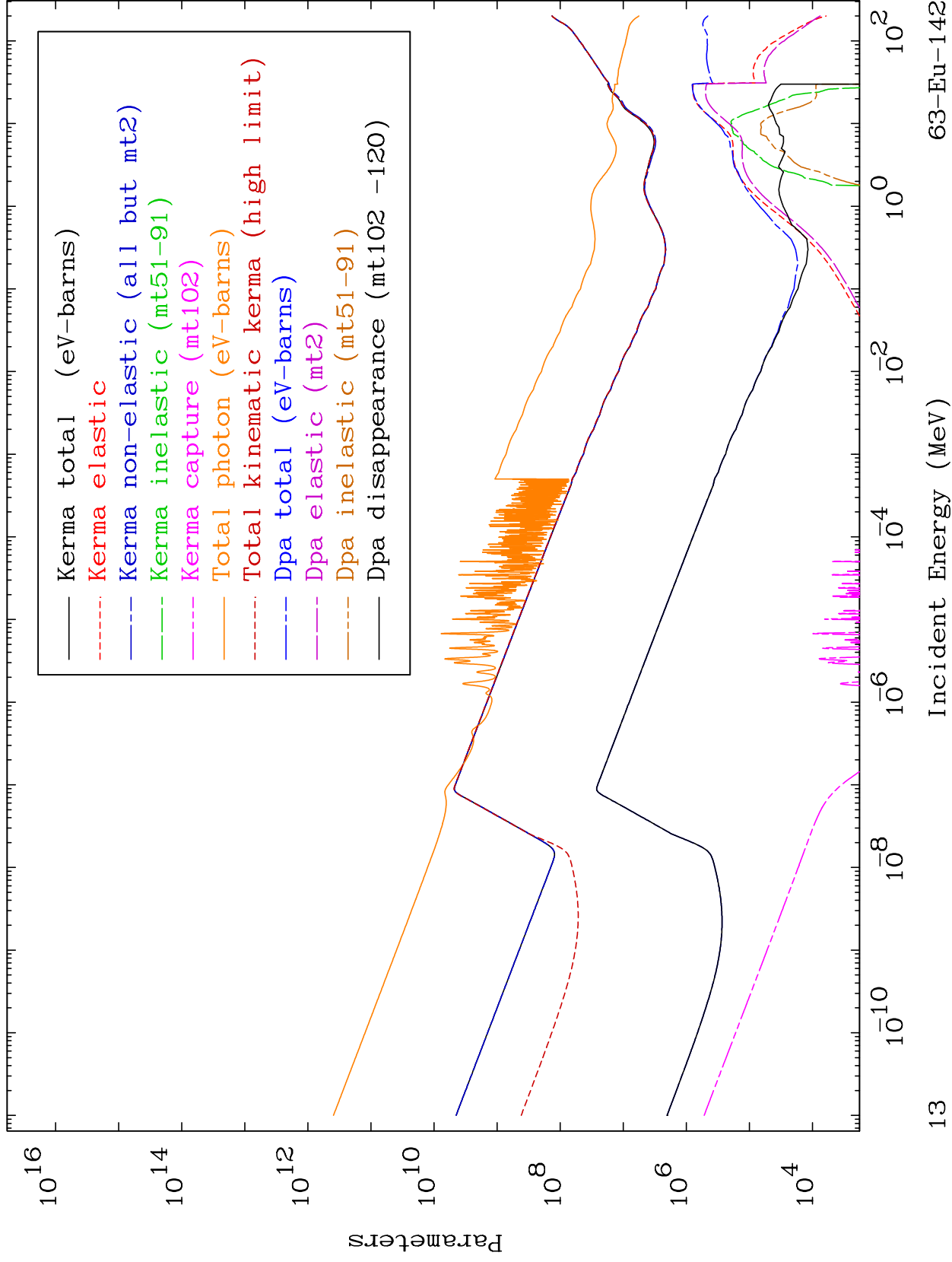


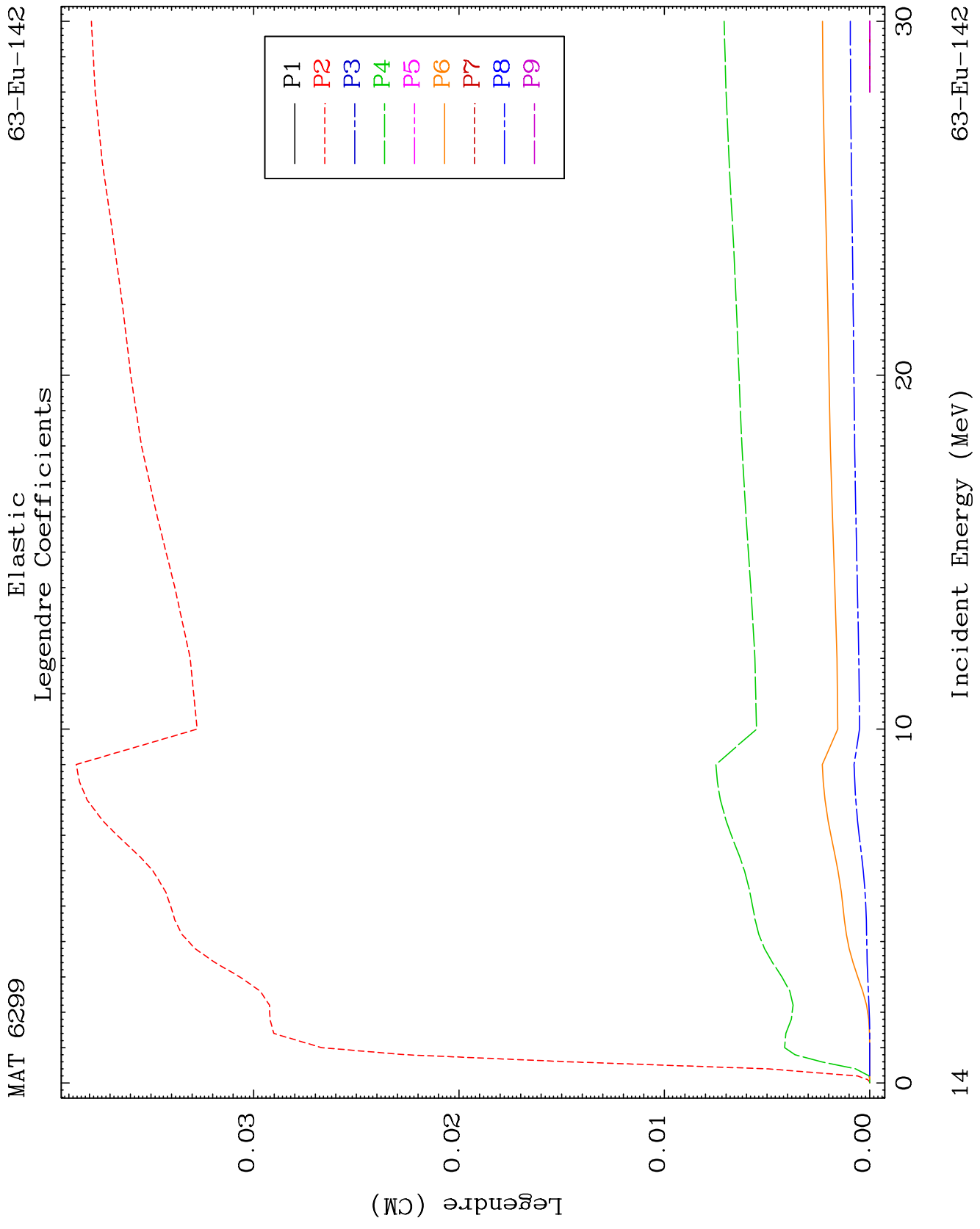
MAT 6299

(n, α) Levels
293 Kelvin Cross Sections

63-Eu-142



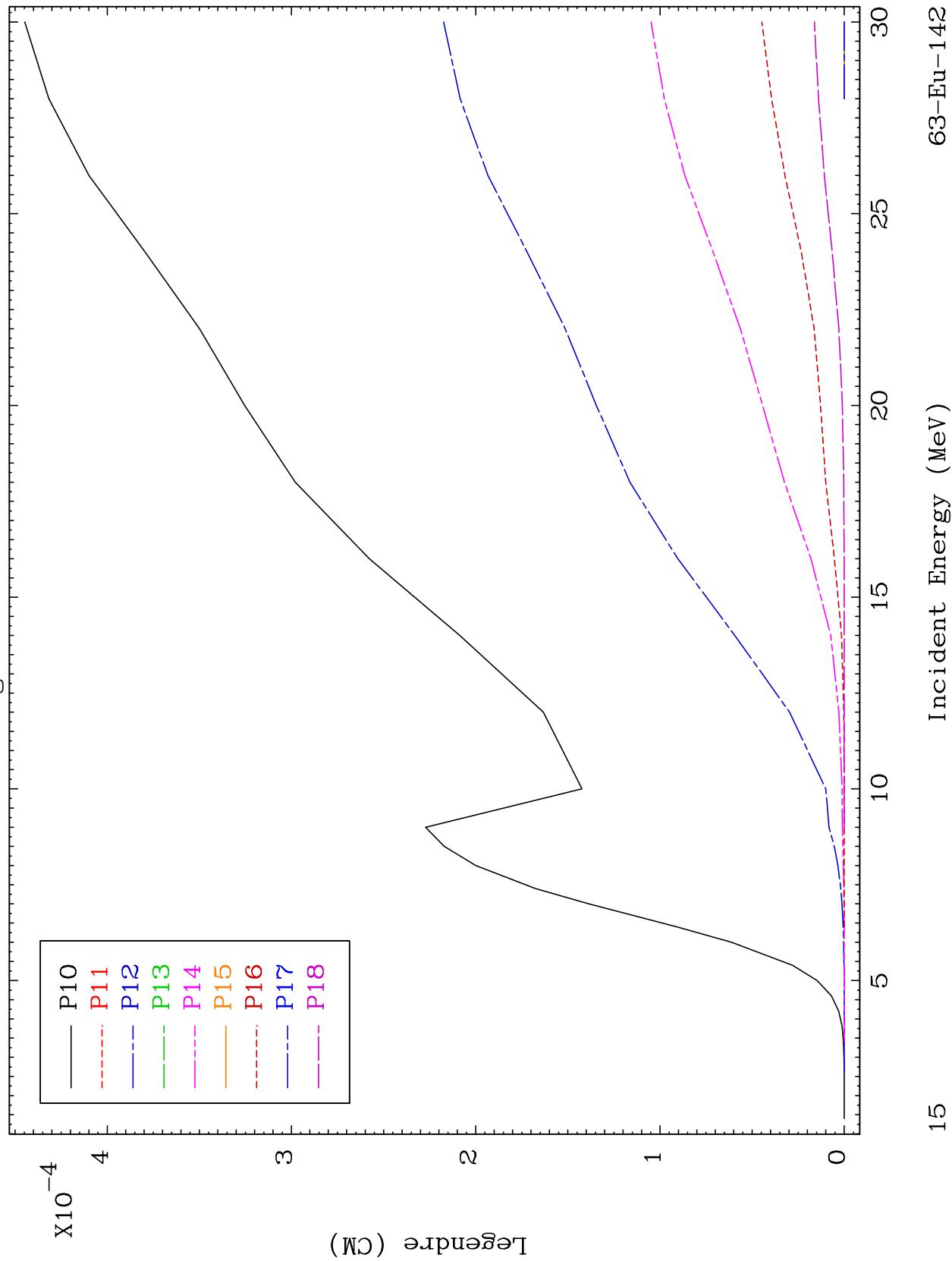




MAT 6299

Elastic Legendre Coefficients

63-Eu-142



15

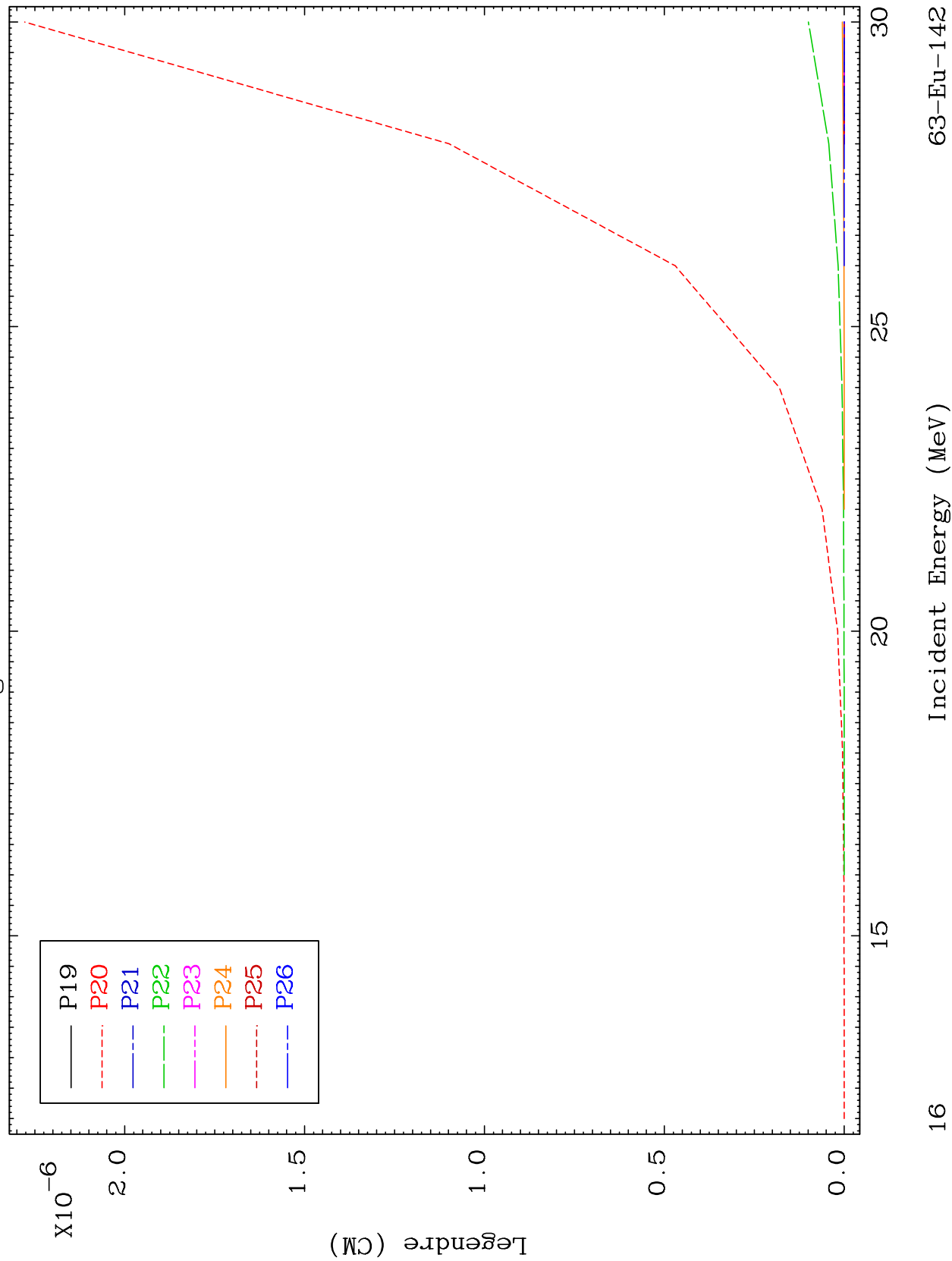
Incident Energy (MeV)

63-Eu-142

MAT 6299

Elastic Legendre Coefficients

63-Eu-142



16

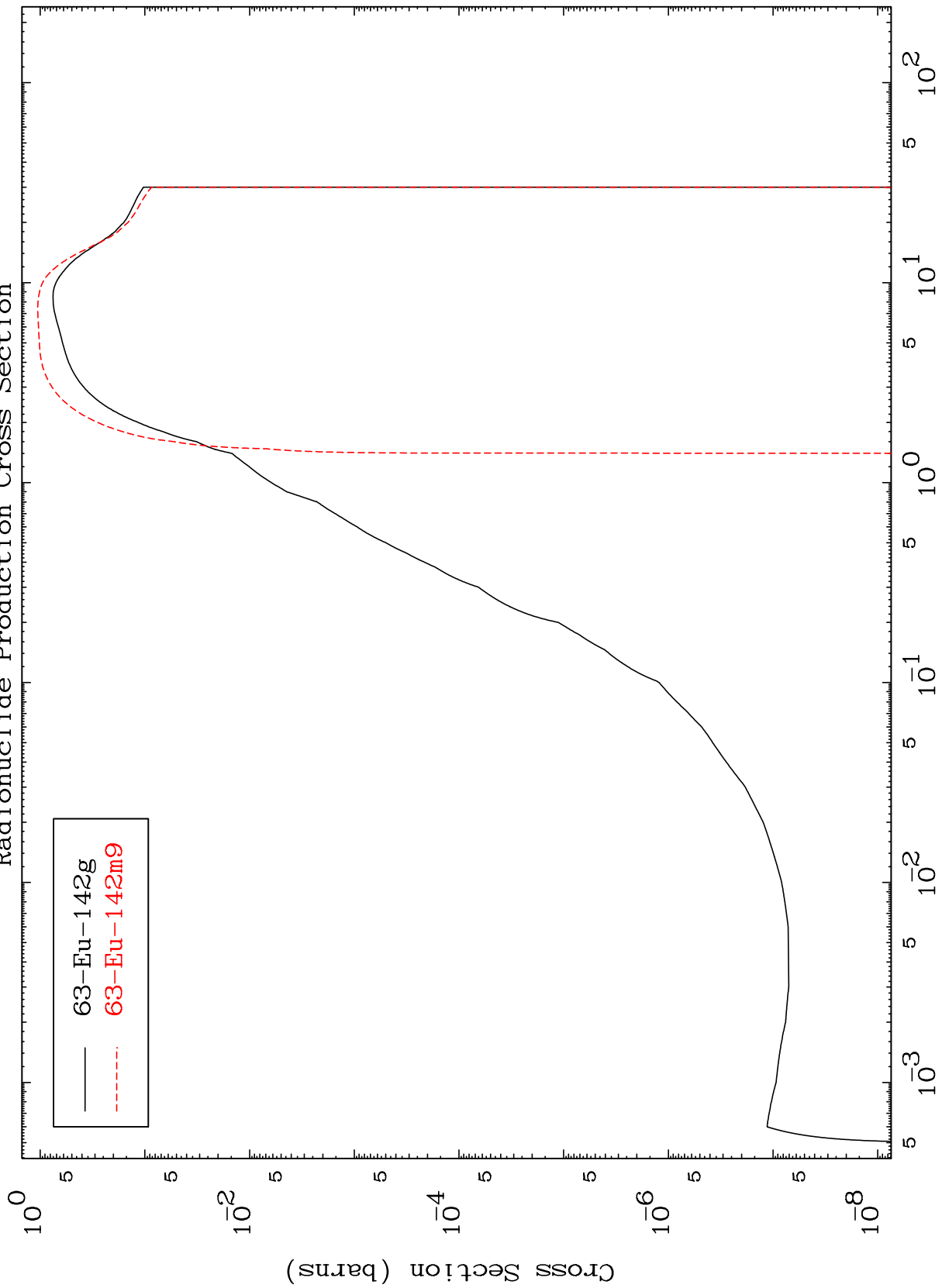
Incident Energy (MeV)

63-Eu-142

MAT 6299

63-Eu-142

Inelastic
Radionuclide Production Cross Section



— 63-Eu-142g
- - - 63-Eu-142m9

17

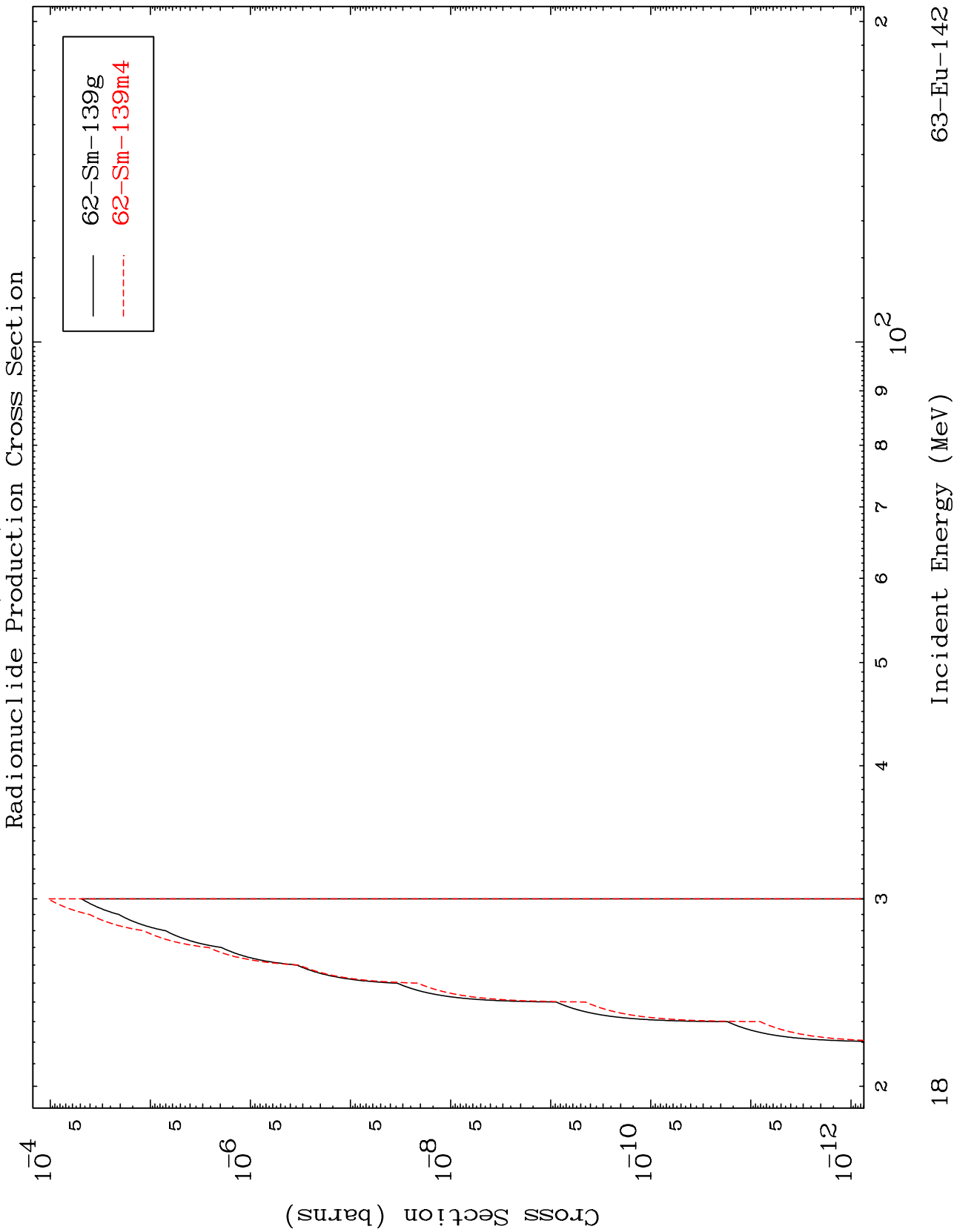
Incident Energy (MeV)

63-Eu-142

MAT 6299

(n,2n) d

63-Eu-142



18

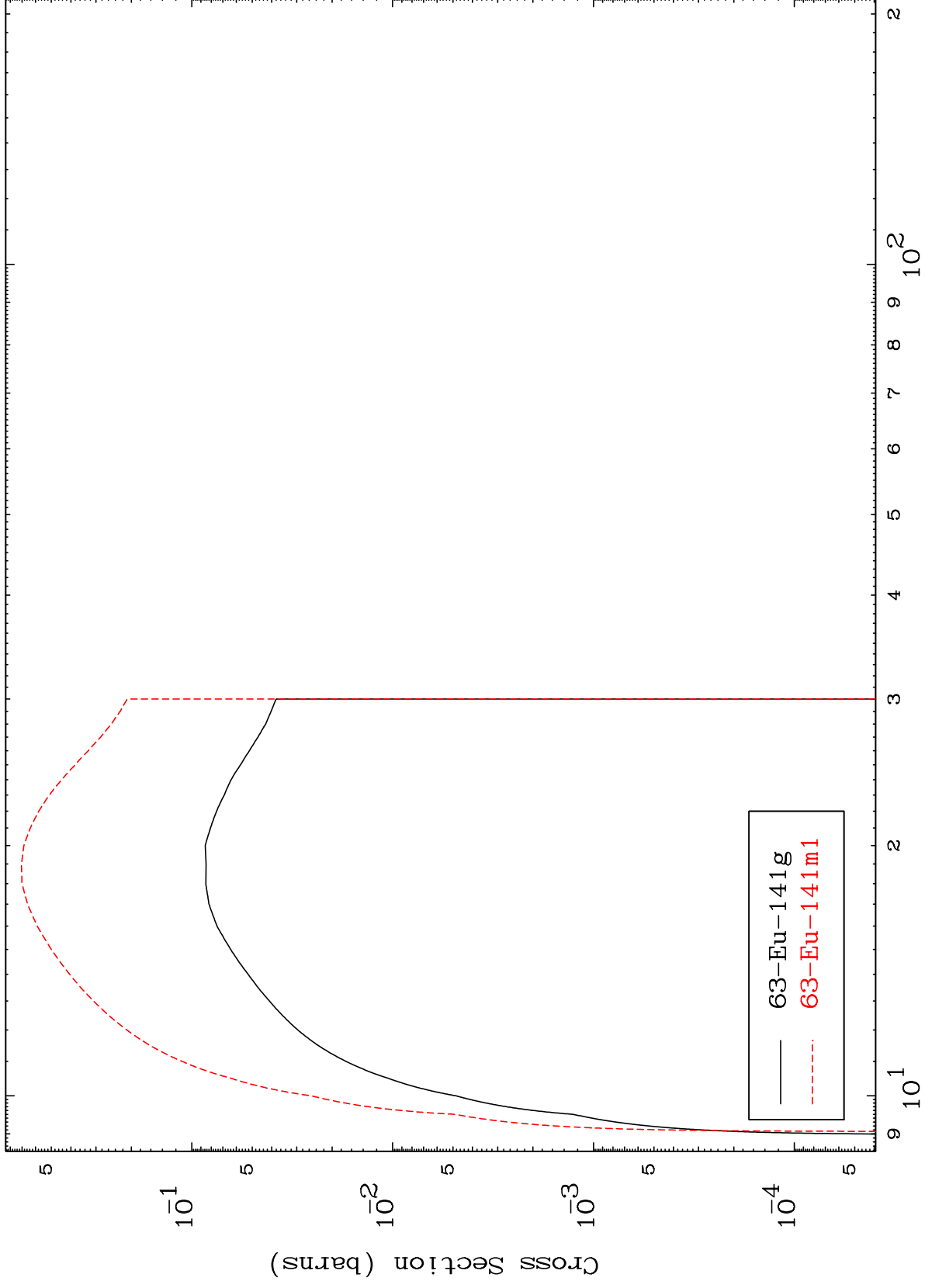
Incident Energy (MeV)

63-Eu-142

MAT 6299

63-Eu-142

(n,2n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

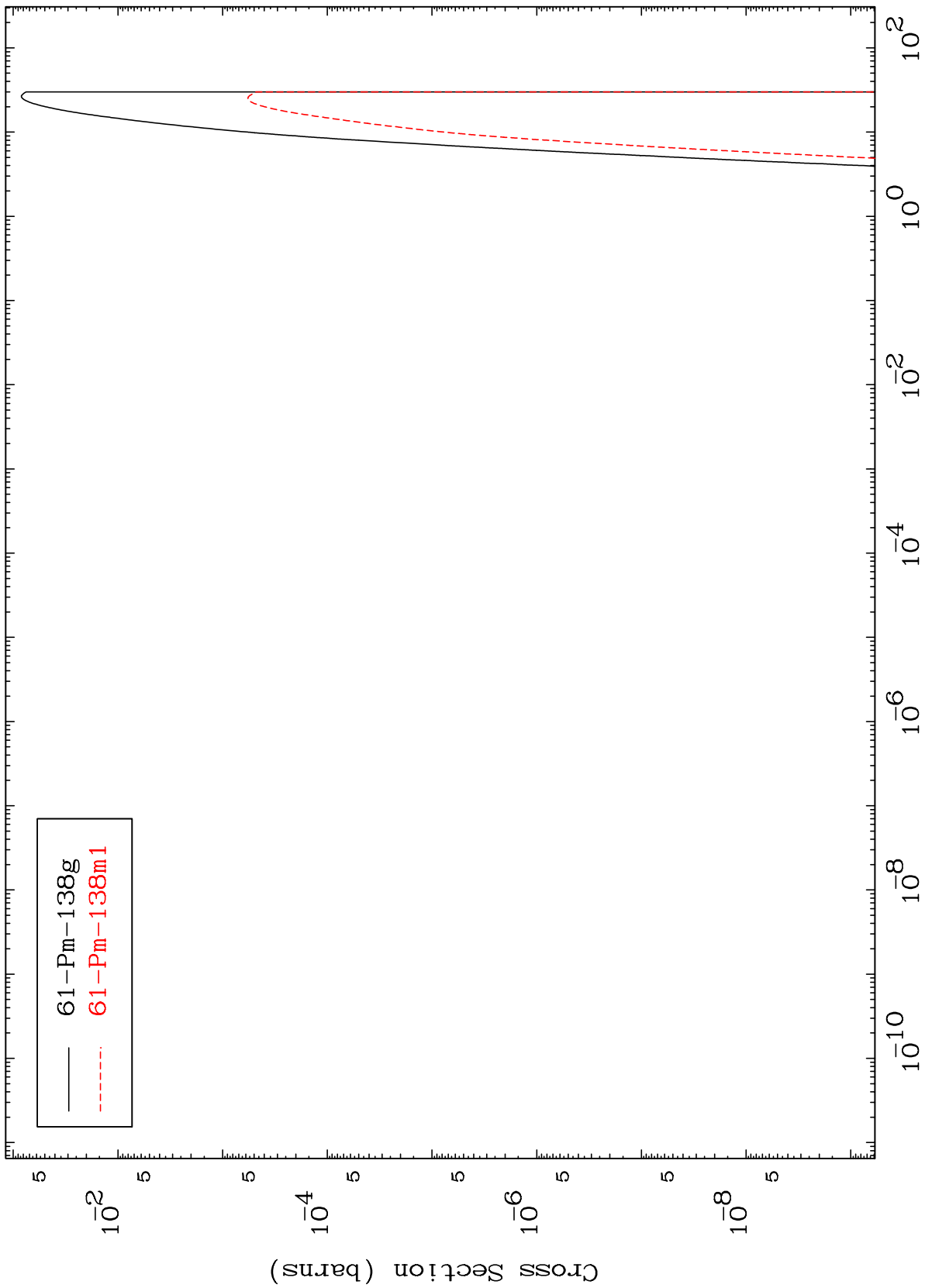
63-Eu-142

MAT 6299

$(n, n') \alpha$

63-Eu-142

Radionuclide Production Cross Section



20

Incident Energy (MeV)

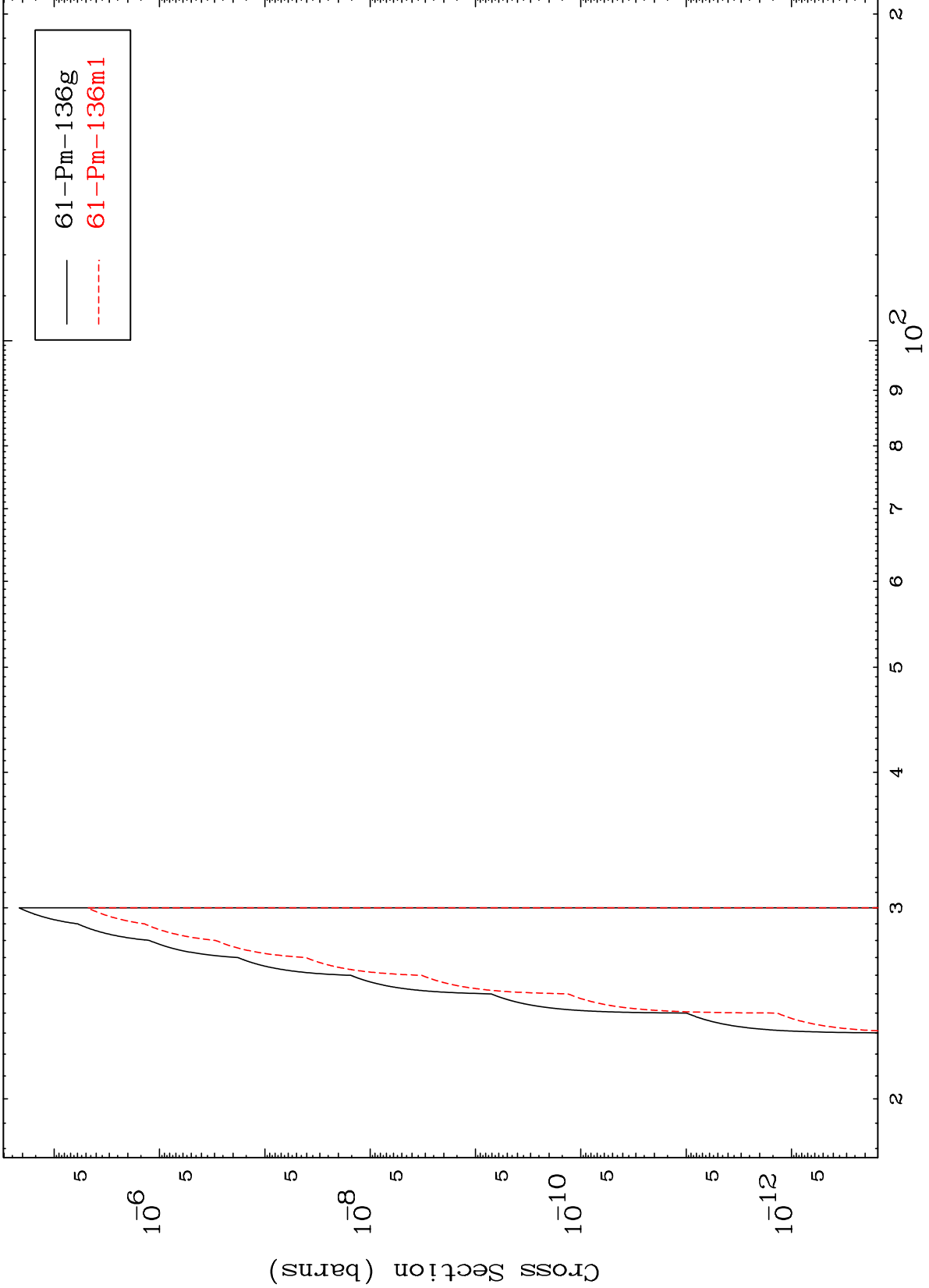
63-Eu-142

MAT 6299

$(n,3n) \alpha$

63-Eu-142

Radionuclide Production Cross Section



21

Incident Energy (MeV)

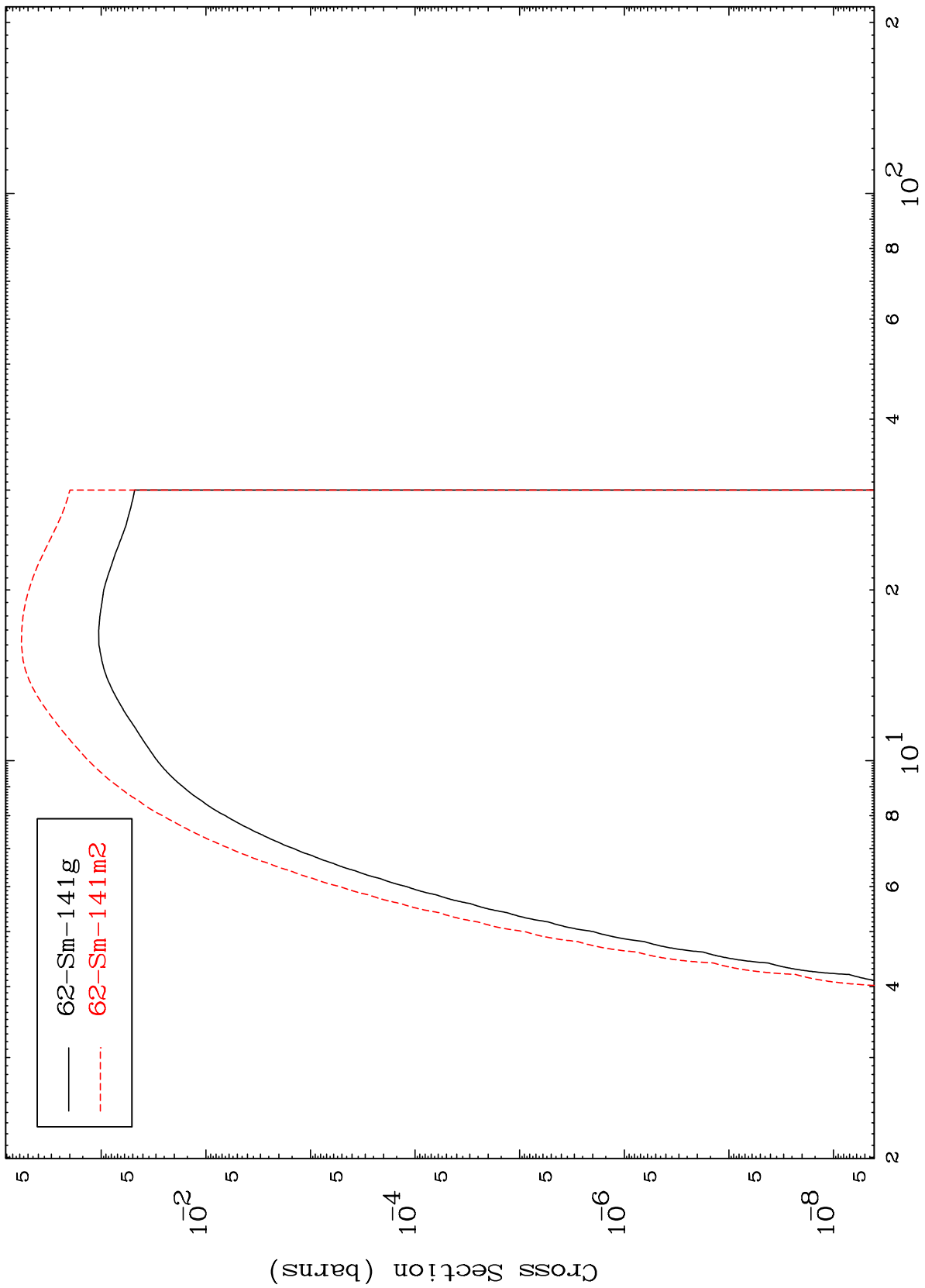
63-Eu-142

MAT 6299

63-Eu-142

(n,n') p

Radionuclide Production Cross Section



62-Sm-141g
62-Sm-141m2

22

Incident Energy (MeV)

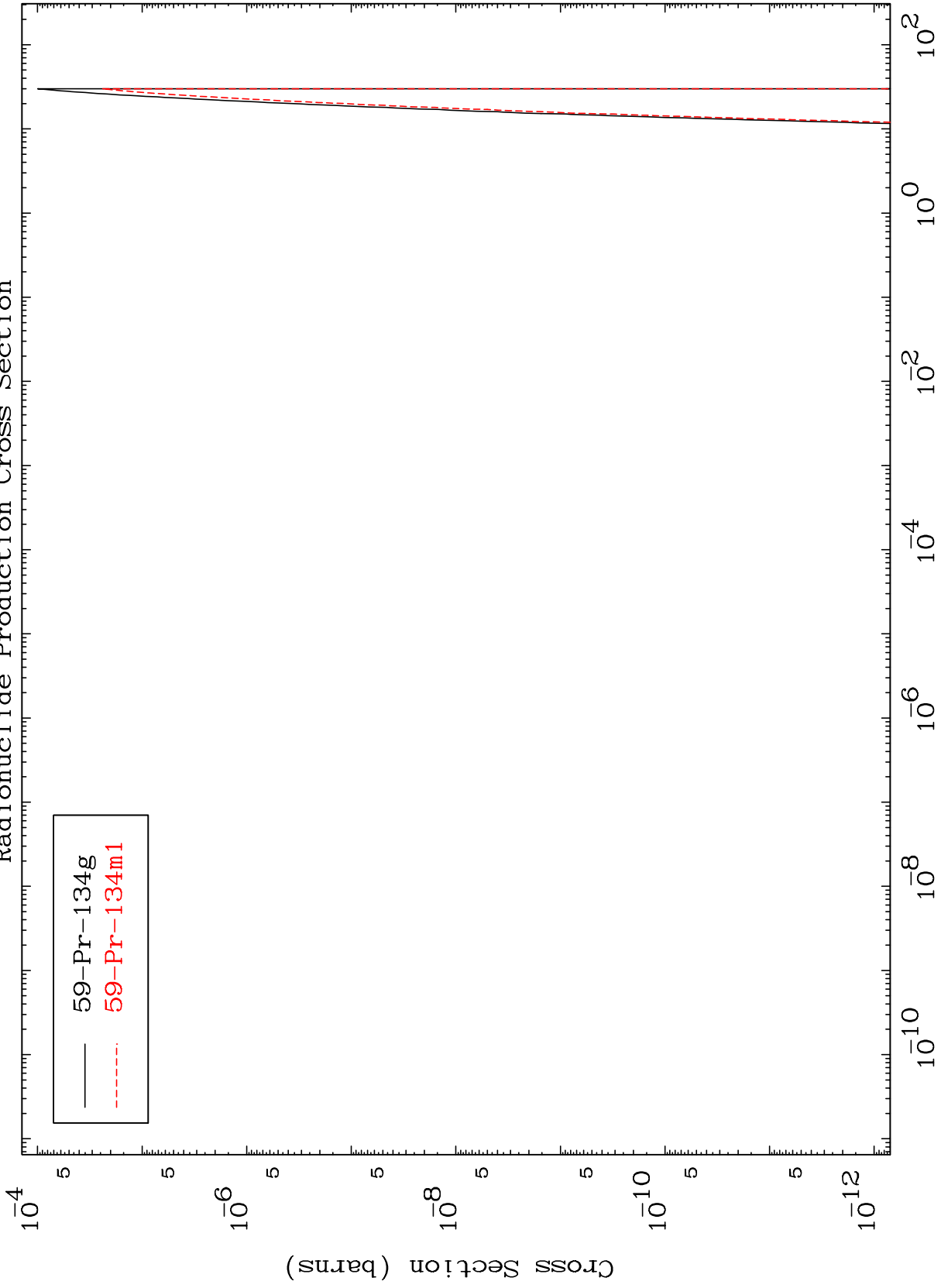
63-Eu-142

MAT 6299

(n,n') 2α

63-Eu-142

Radionuclide Production Cross Section



23

Incident Energy (MeV)

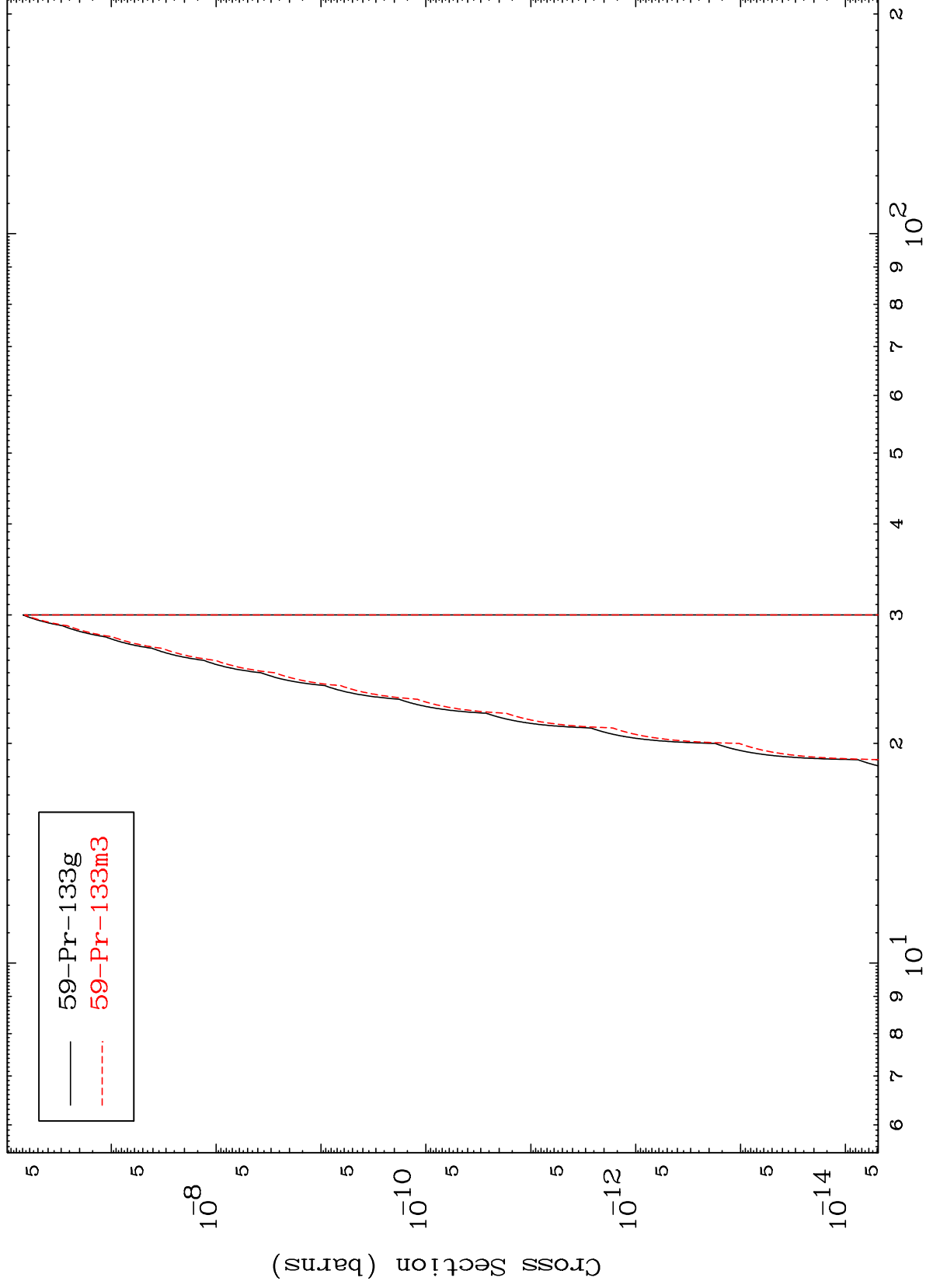
63-Eu-142

MAT 6299

(n,2n) 2 α

63-Eu-142

Radionuclide Production Cross Section

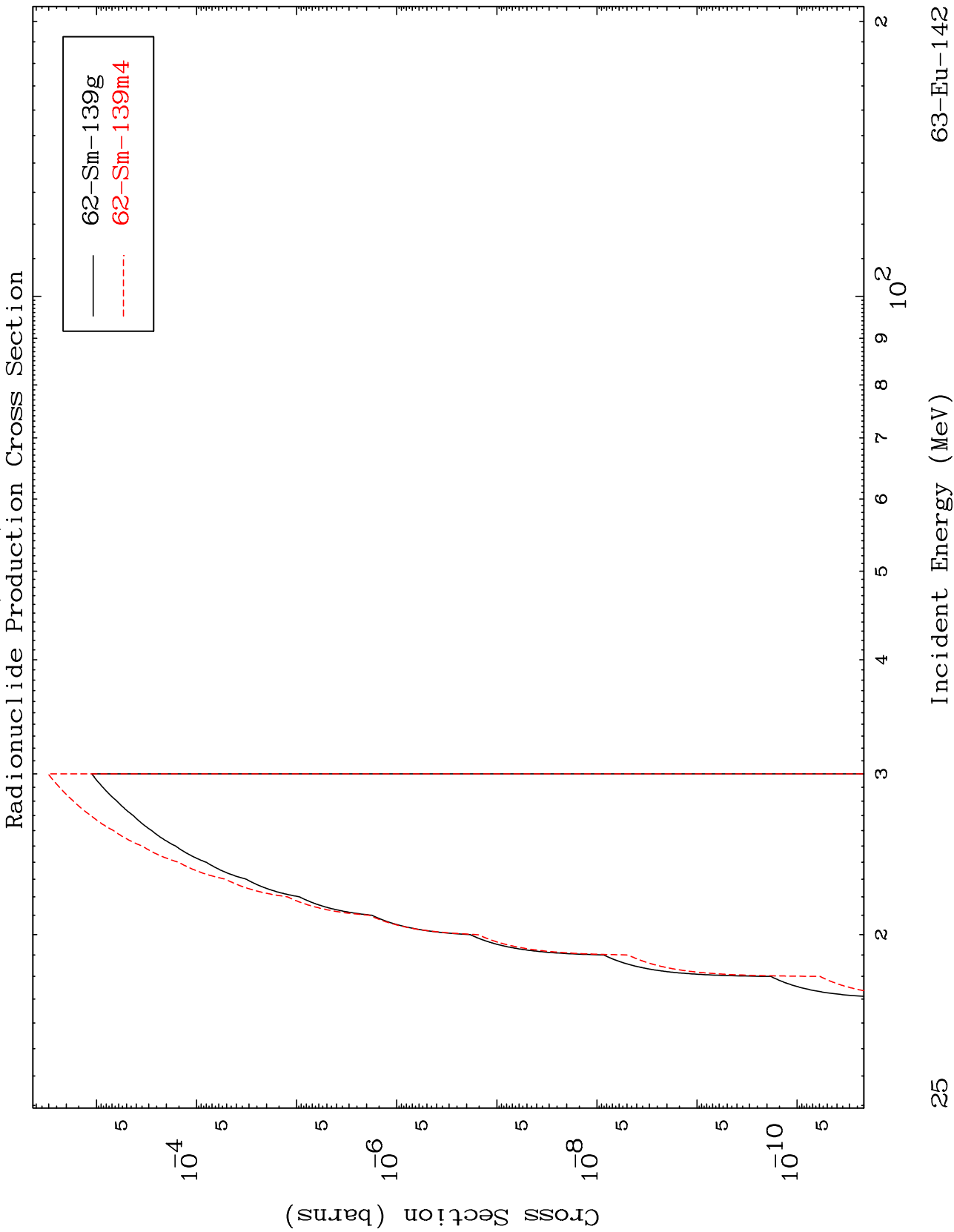


59-Pr-133g
59-Pr-133m3

24

Incident Energy (MeV)

63-Eu-142

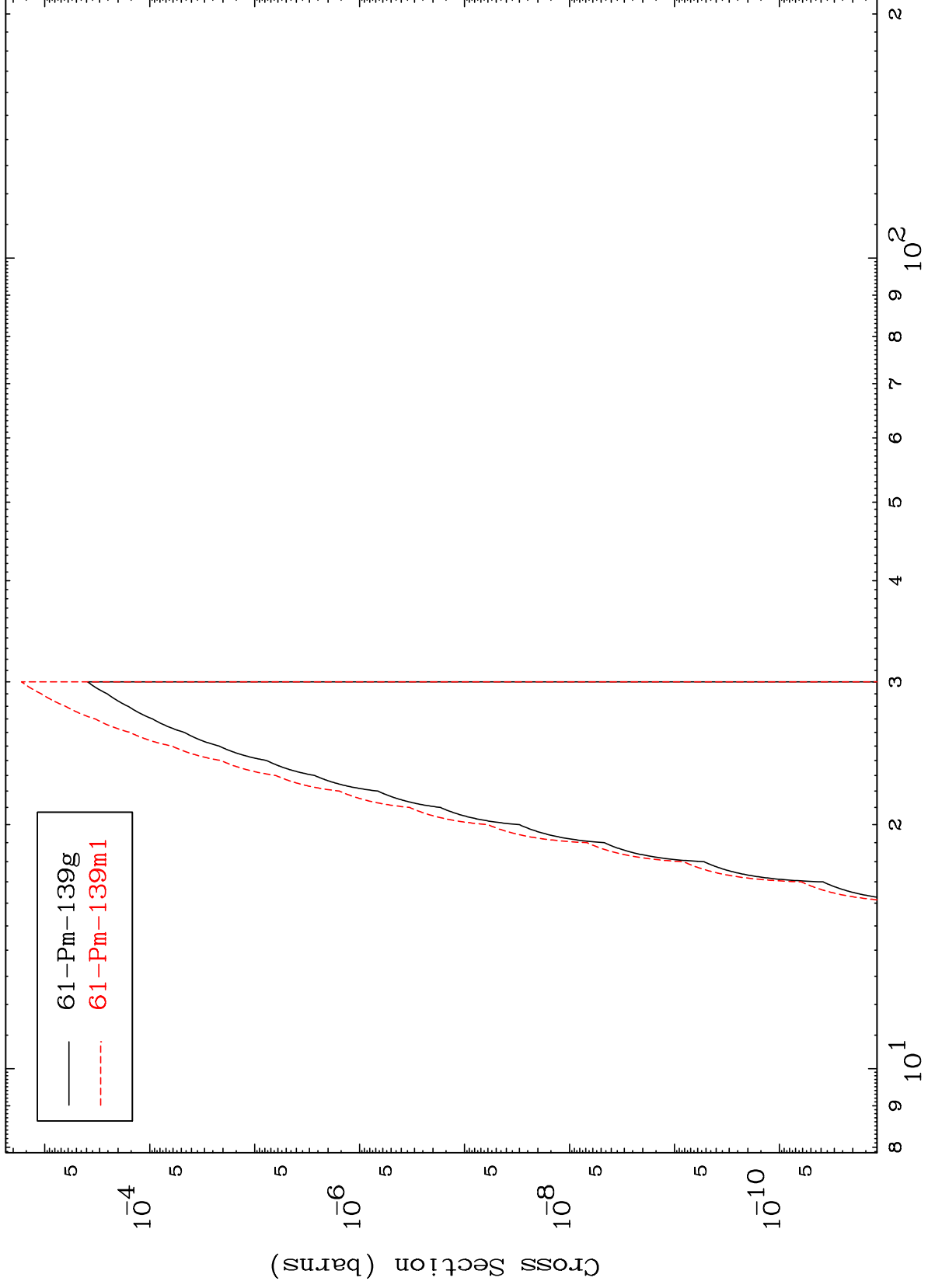


MAT 6299

(n,n') He-3

63-Eu-142

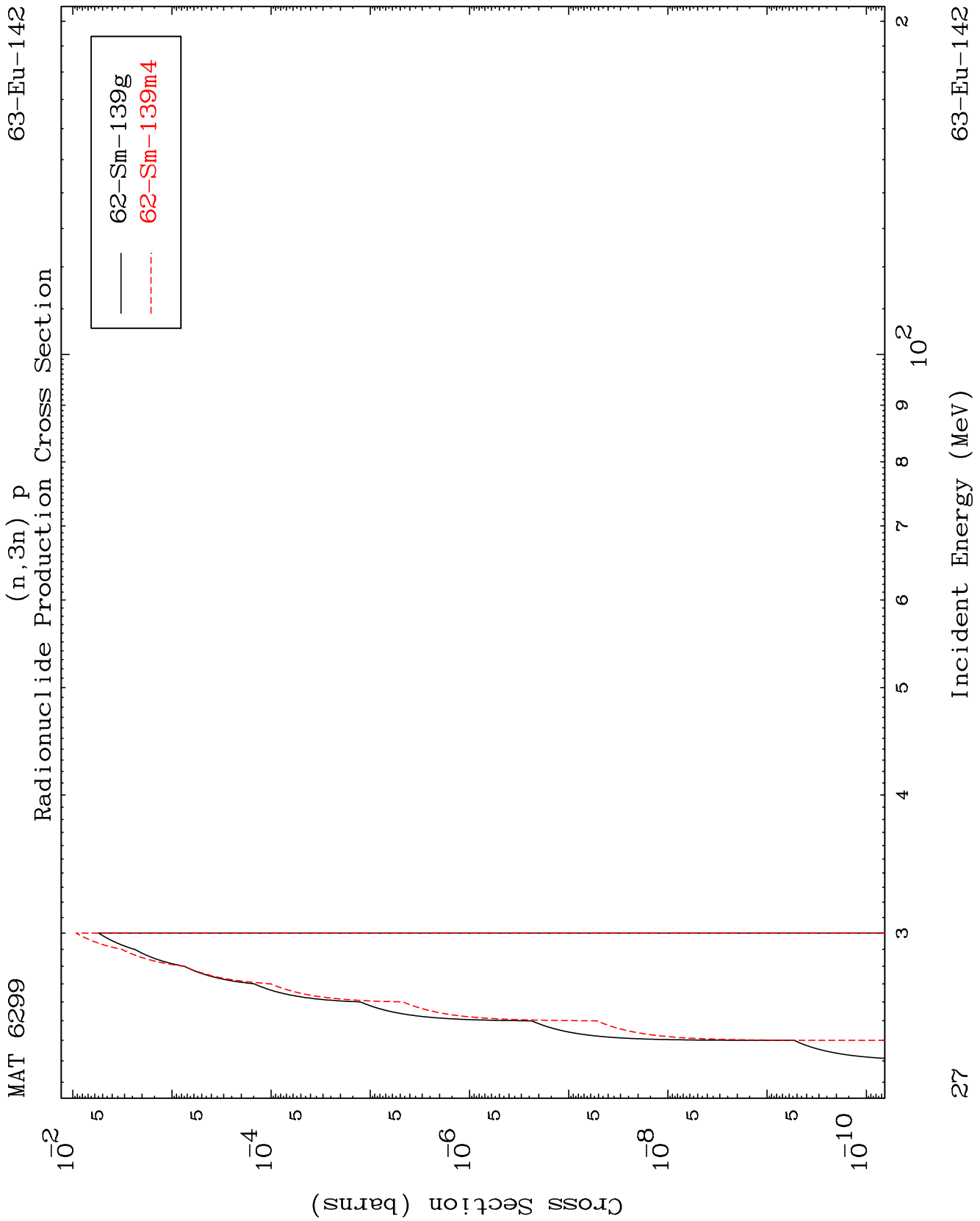
Radionuclide Production Cross Section



26

Incident Energy (MeV)

63-Eu-142

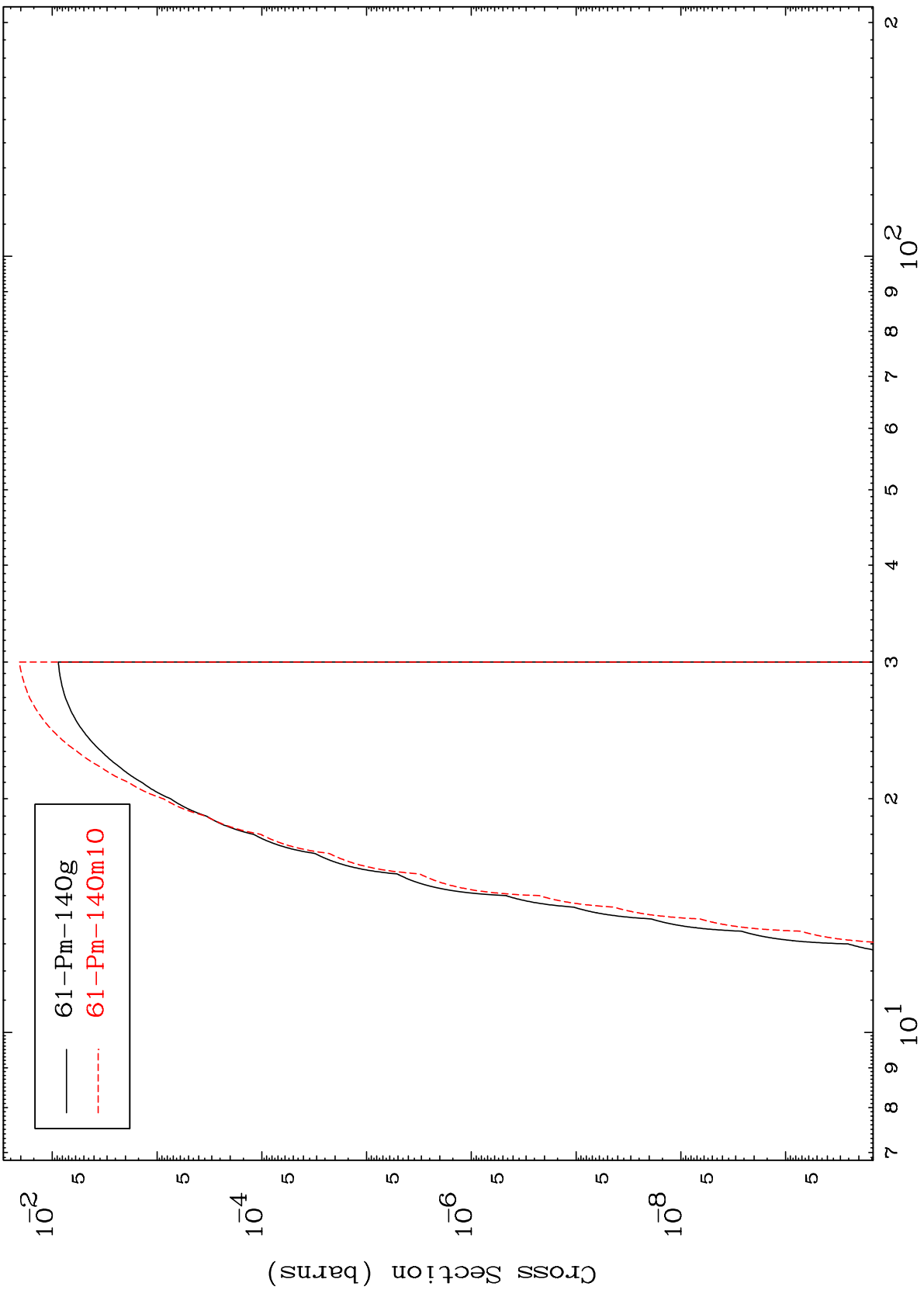


MAT 6299

(n,2n) p

63-Eu-142

Radionuclide Production Cross Section



28

Incident Energy (MeV)

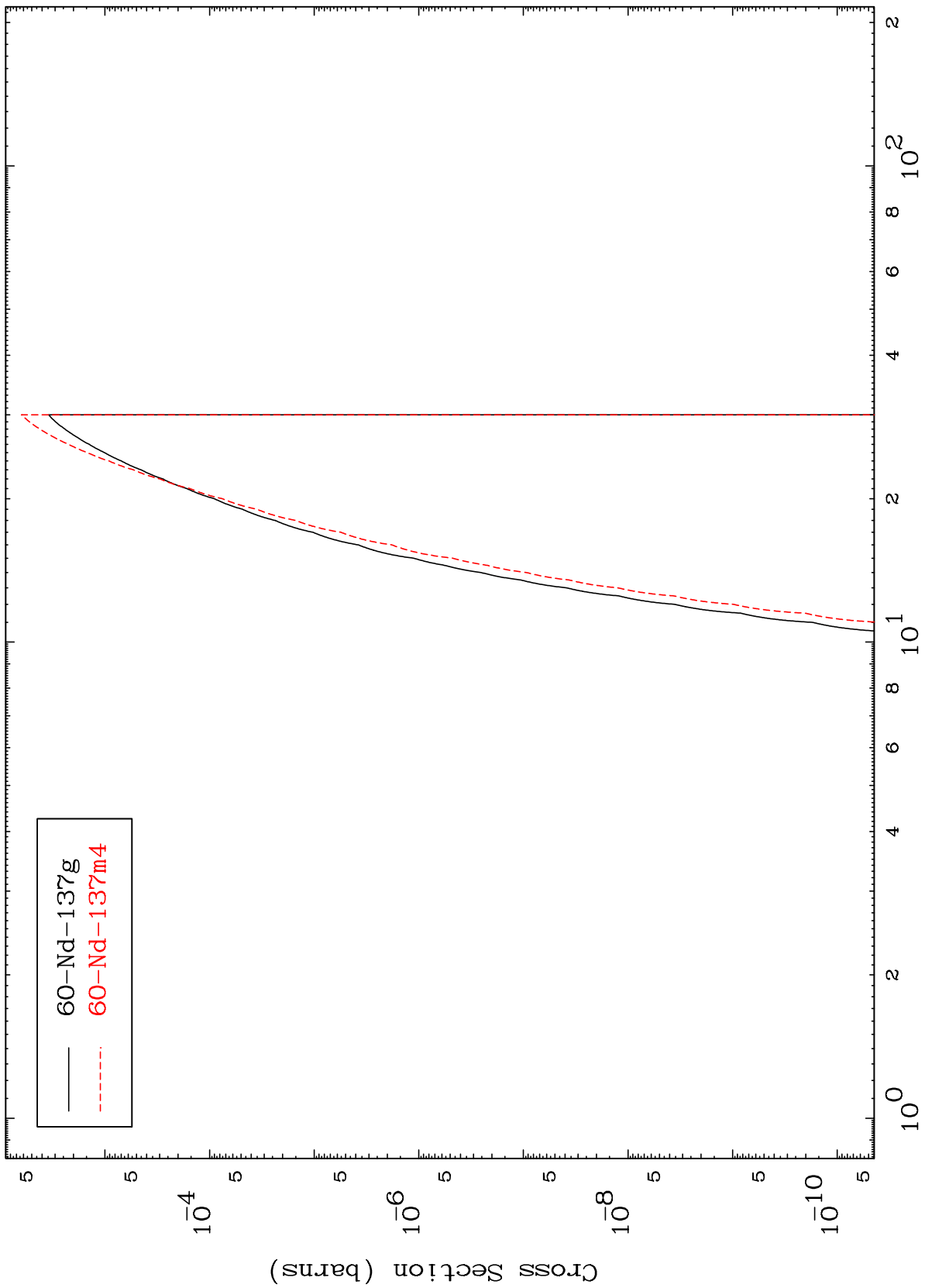
63-Eu-142

MAT 6299

(n,n') p α

63-Eu-142

Radionuclide Production Cross Section



29

Incident Energy (MeV)

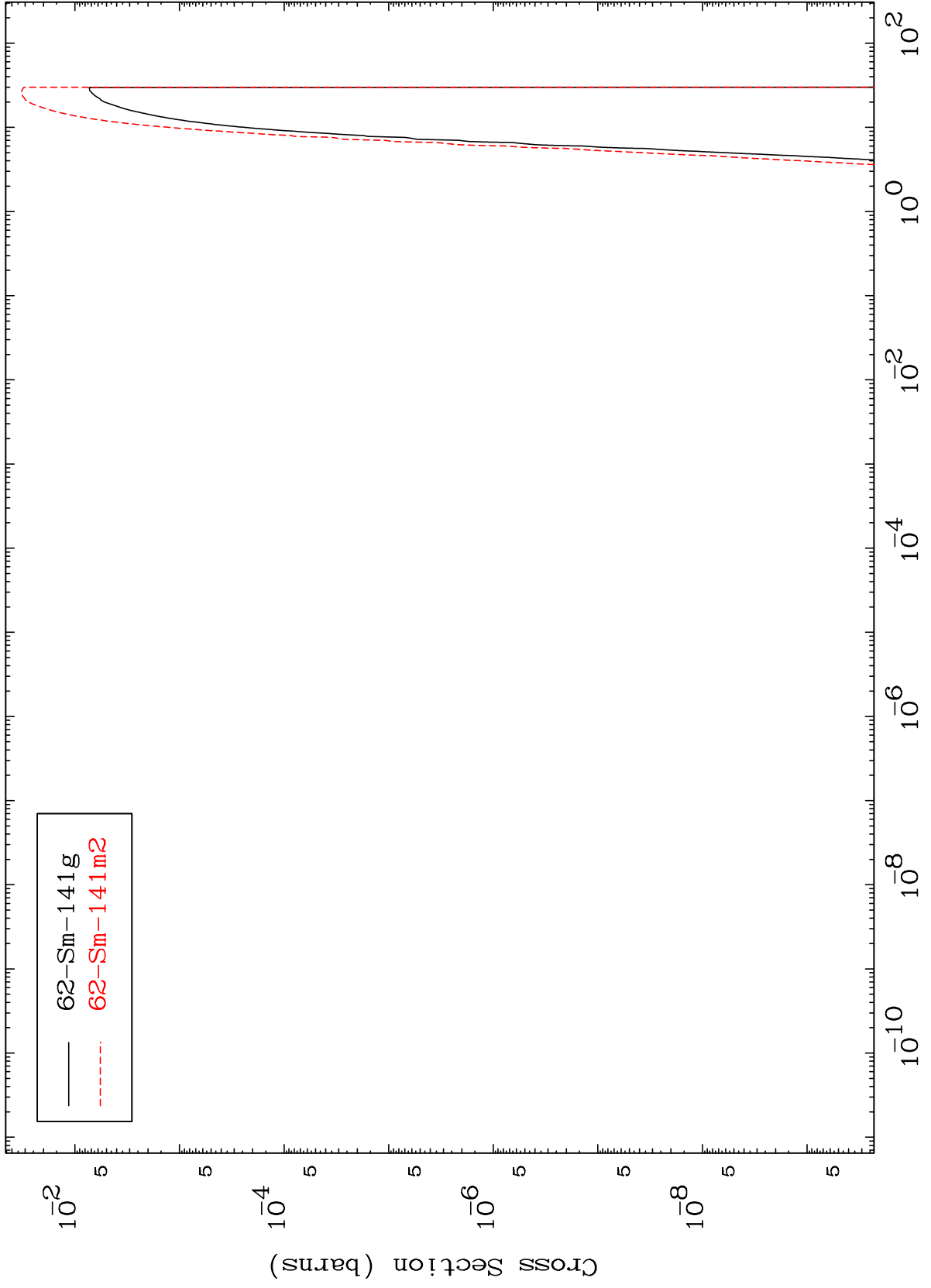
63-Eu-142

MAT 6299

(n,d)

⁶³Eu-142

Radionuclide Production Cross Section



30

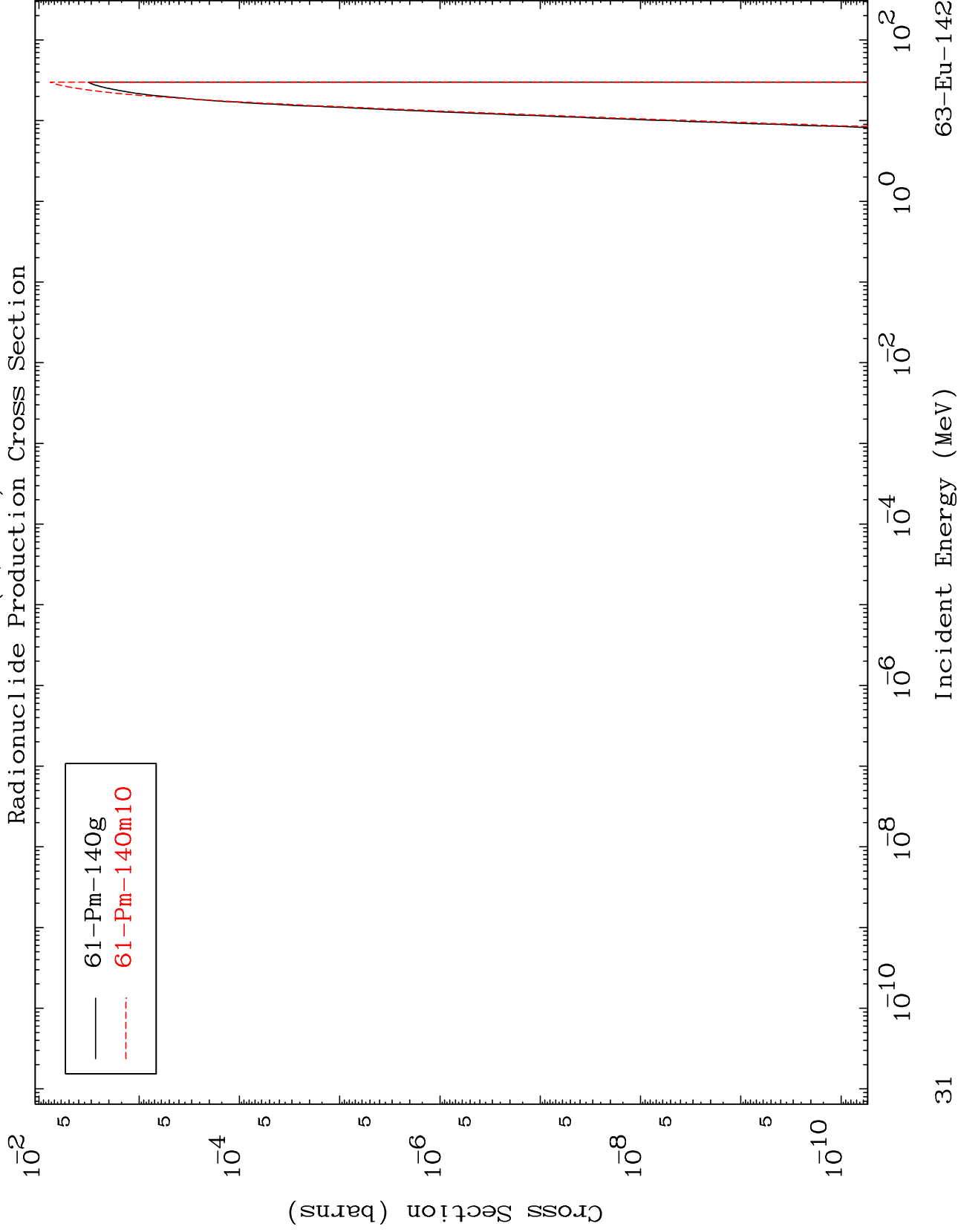
Incident Energy (MeV)

⁶³Eu-142

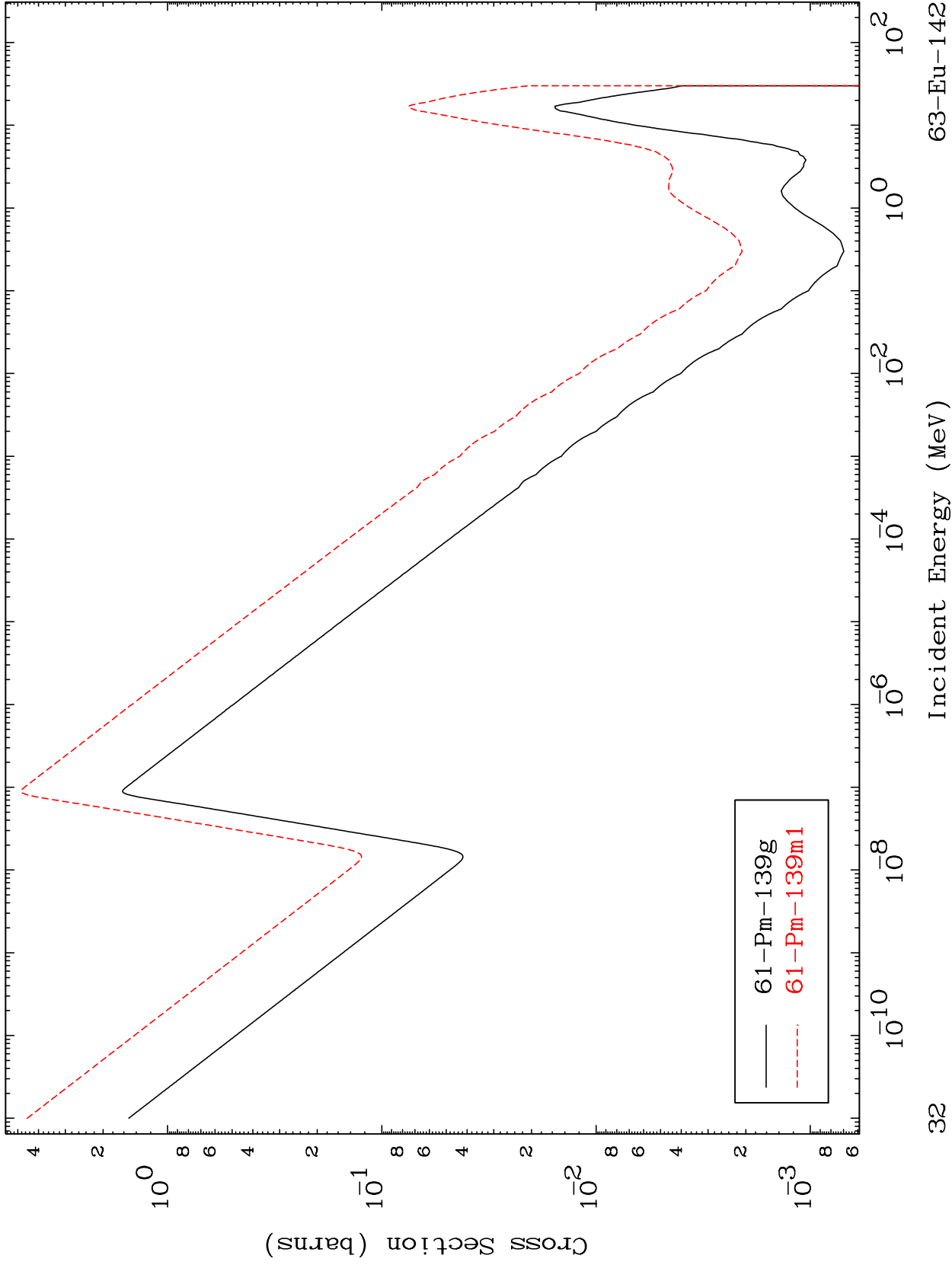
MAT 6299

(n,He-3)

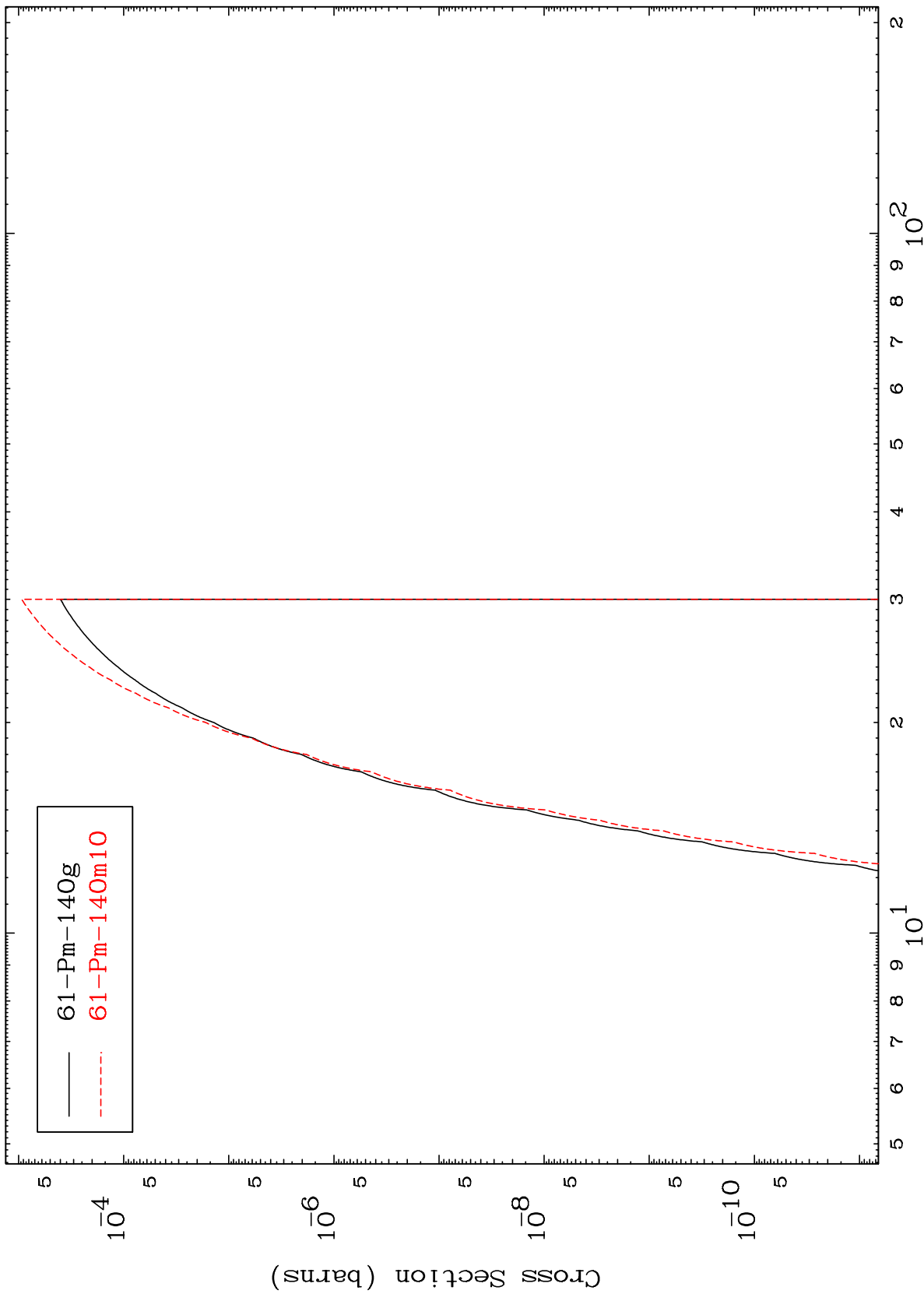
63-Eu-142



Radionuclide Production Cross Section (n,α)



(n,p) d
Radionuclide Production Cross Section

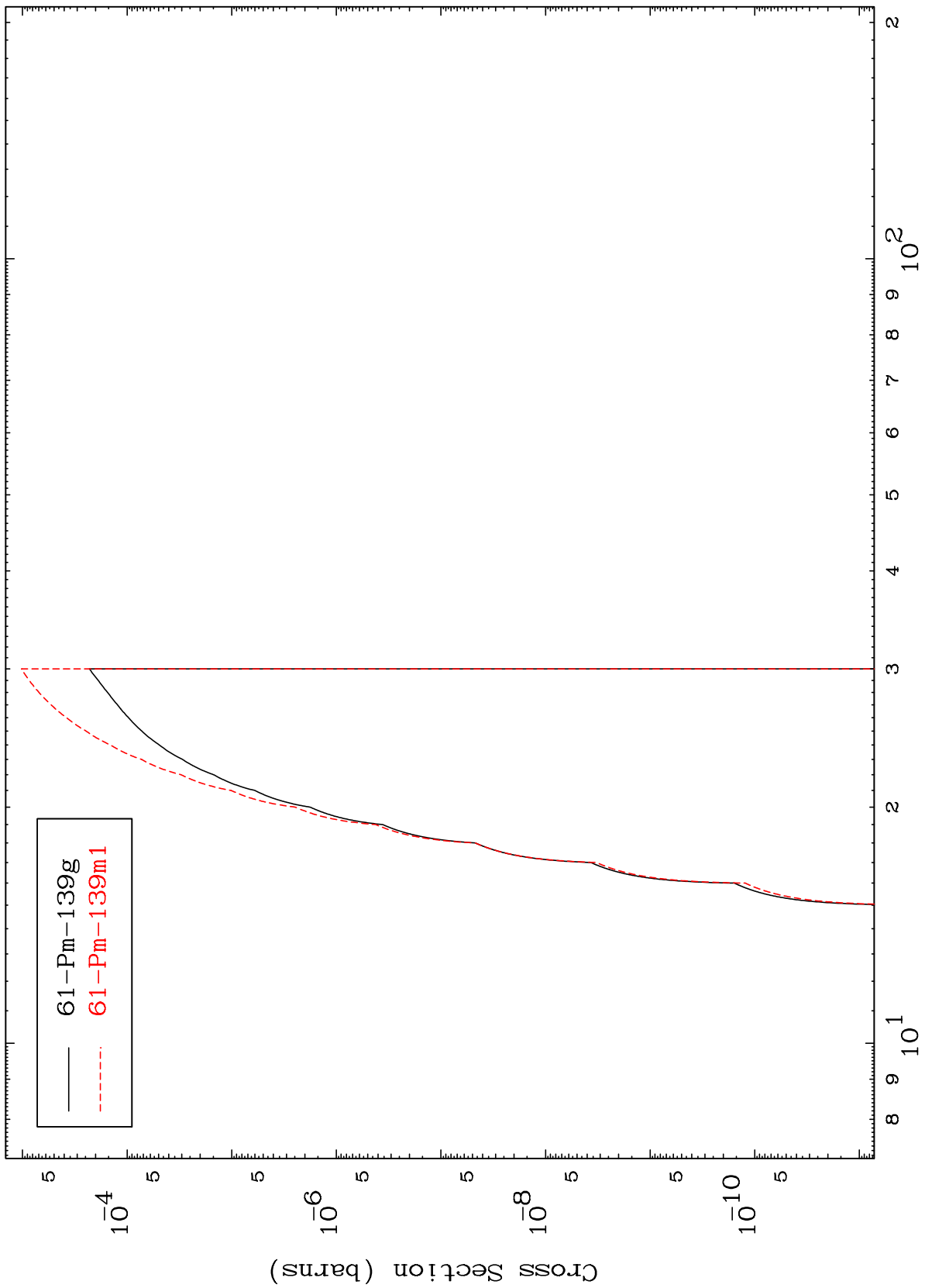


MAT 6299

(n,p) t

63-Eu-142

Radionuclide Production Cross Section



34

Incident Energy (MeV)

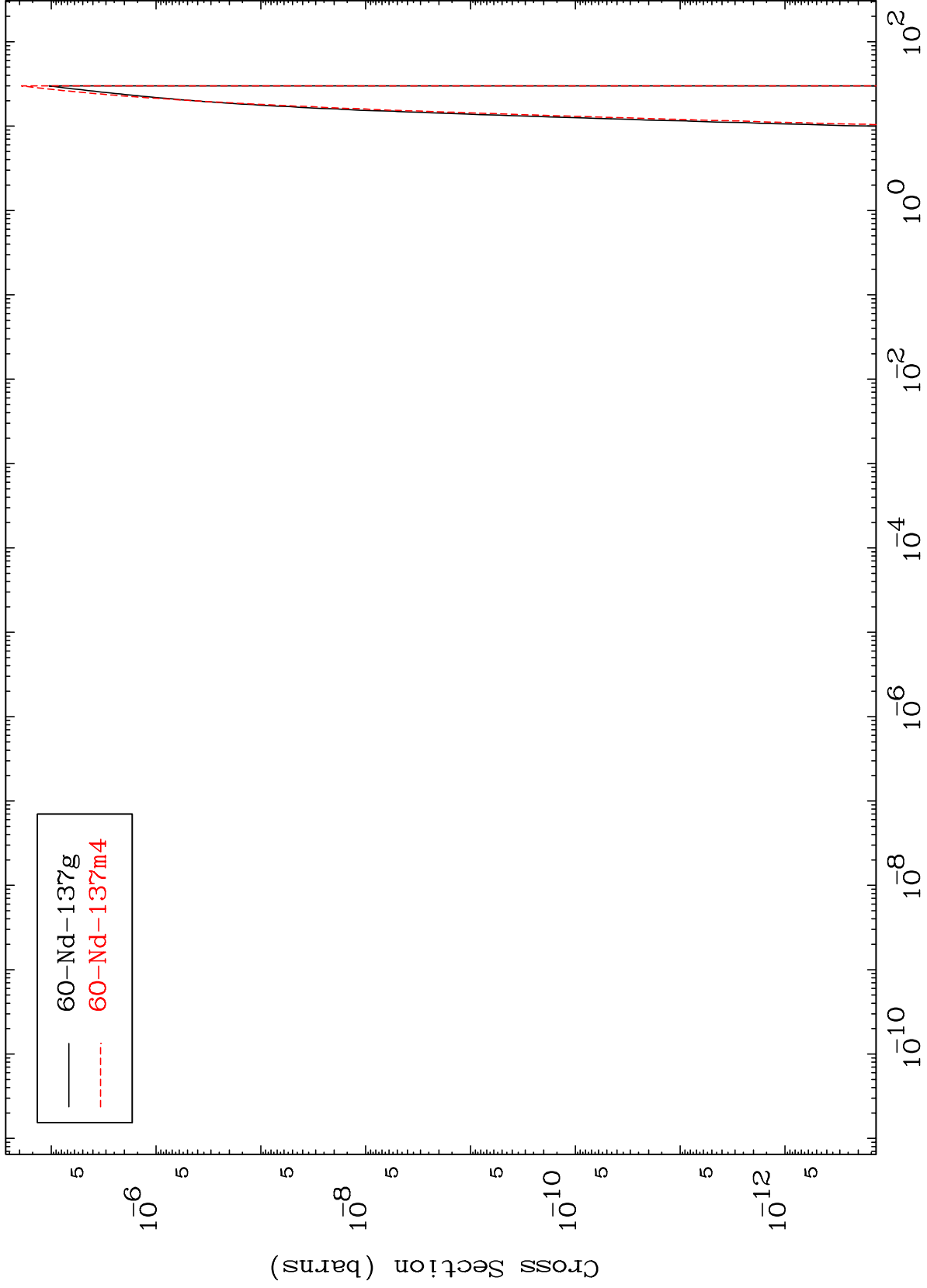
63-Eu-142

MAT 6299

(n,d) α

63-Eu-142

Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

35

Incident Energy (MeV)

63-Eu-142