

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

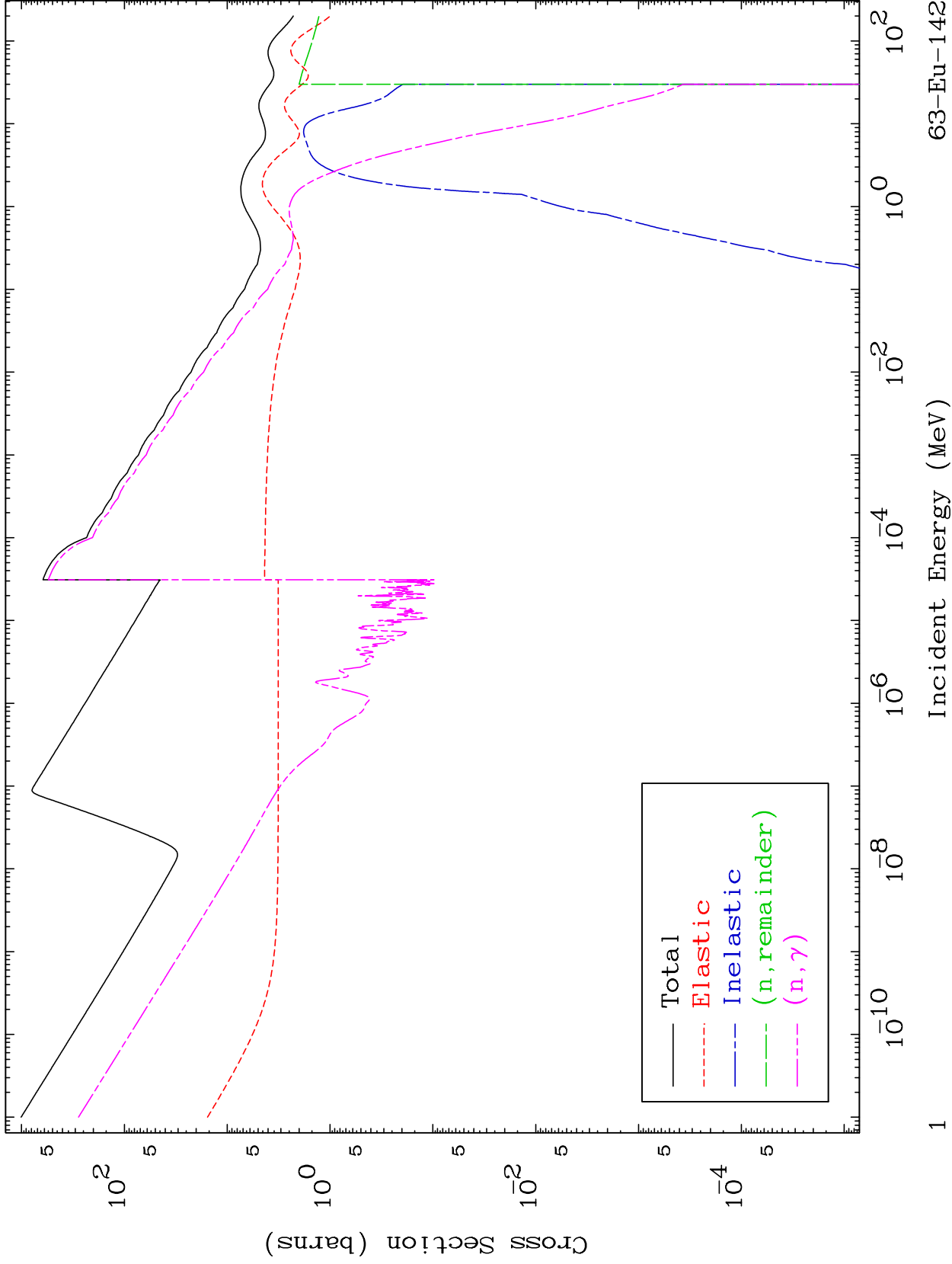
Press Mouse Button to Start

MAT 6299

Major

293 Kelvin Cross Sections

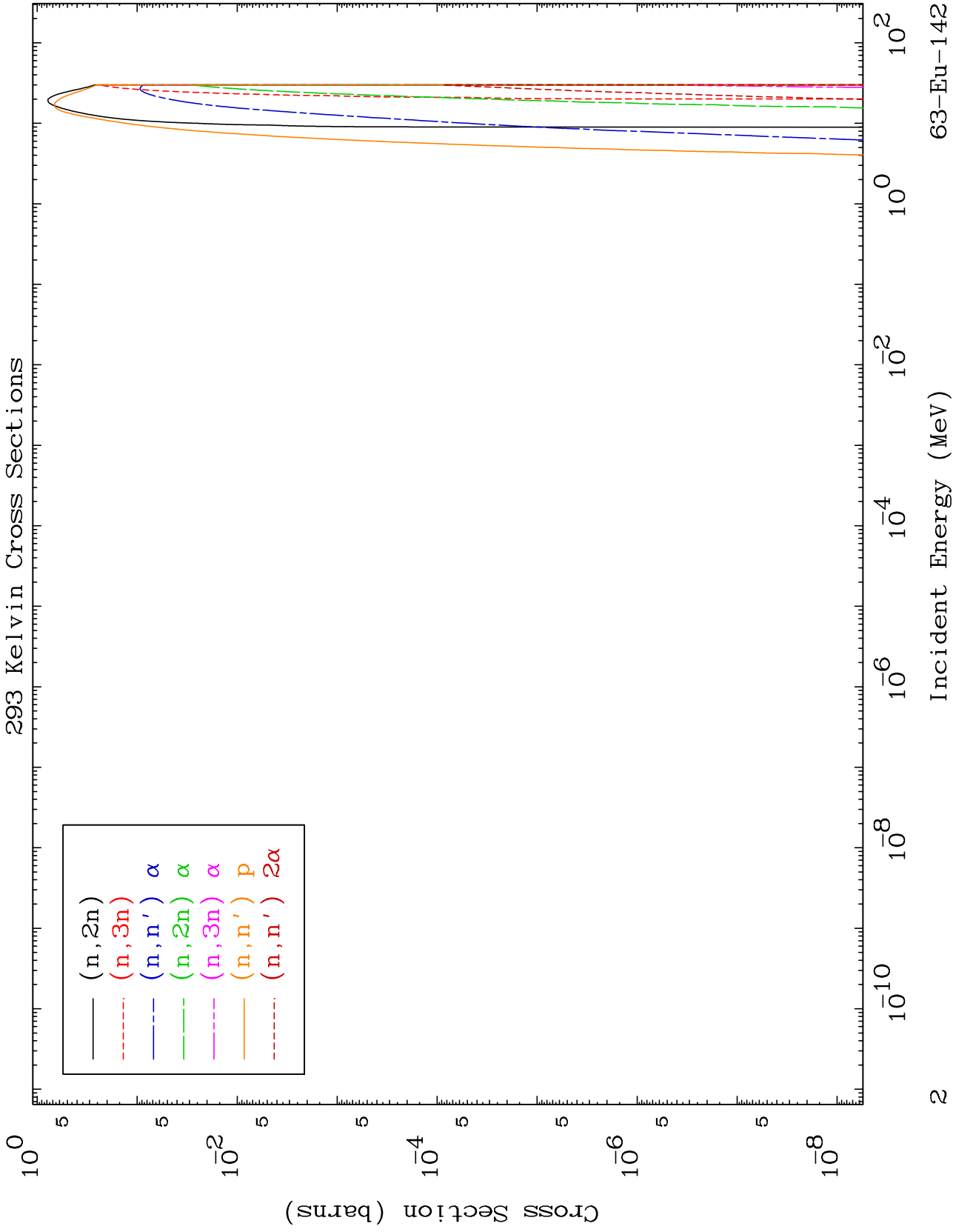
63-Eu-142

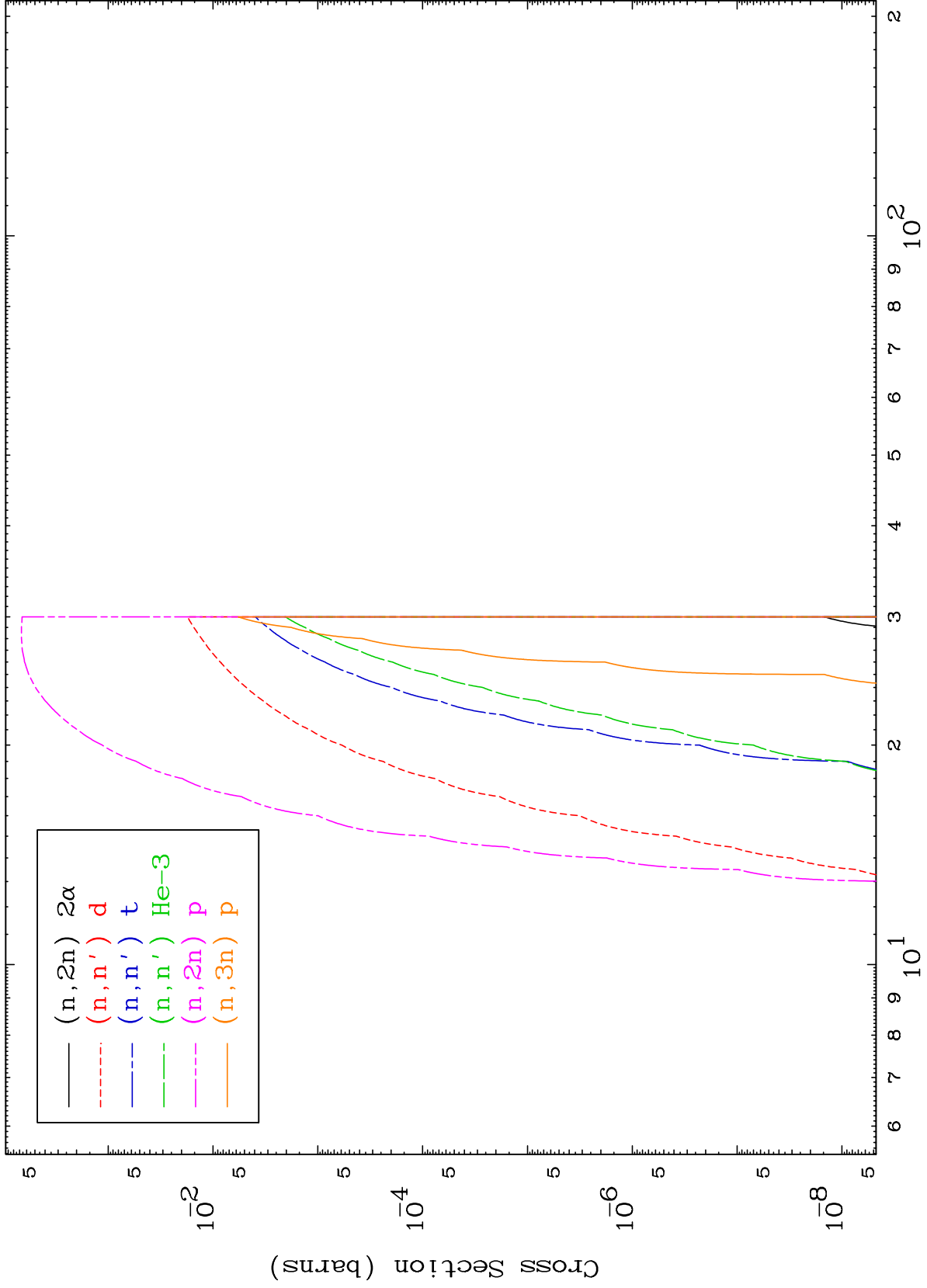


MAT 6299

Neutron Production
293 Kelvin Cross Sections

63-Eu-142

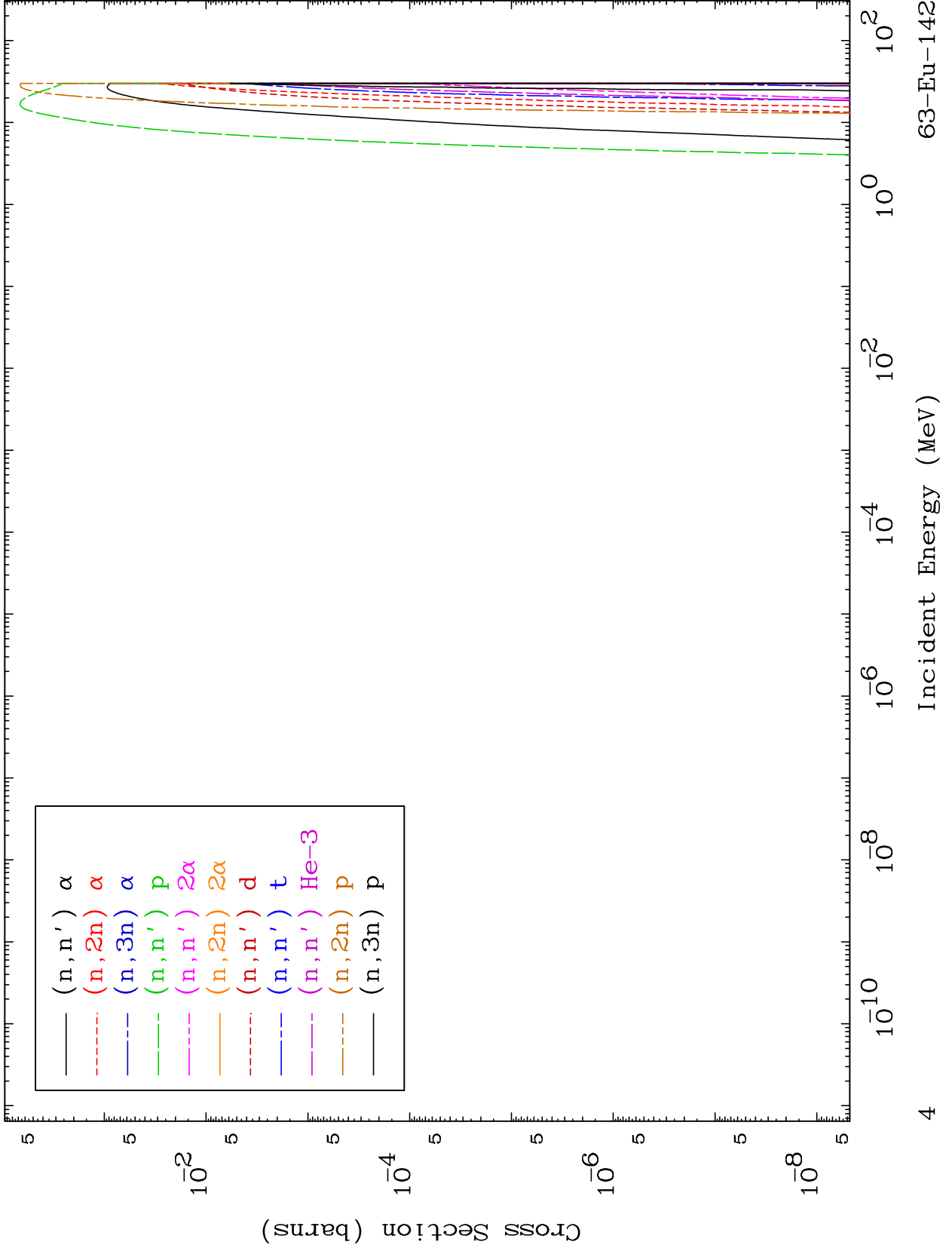




MAT 6299

Charged Particle
293 Kelvin Cross Sections

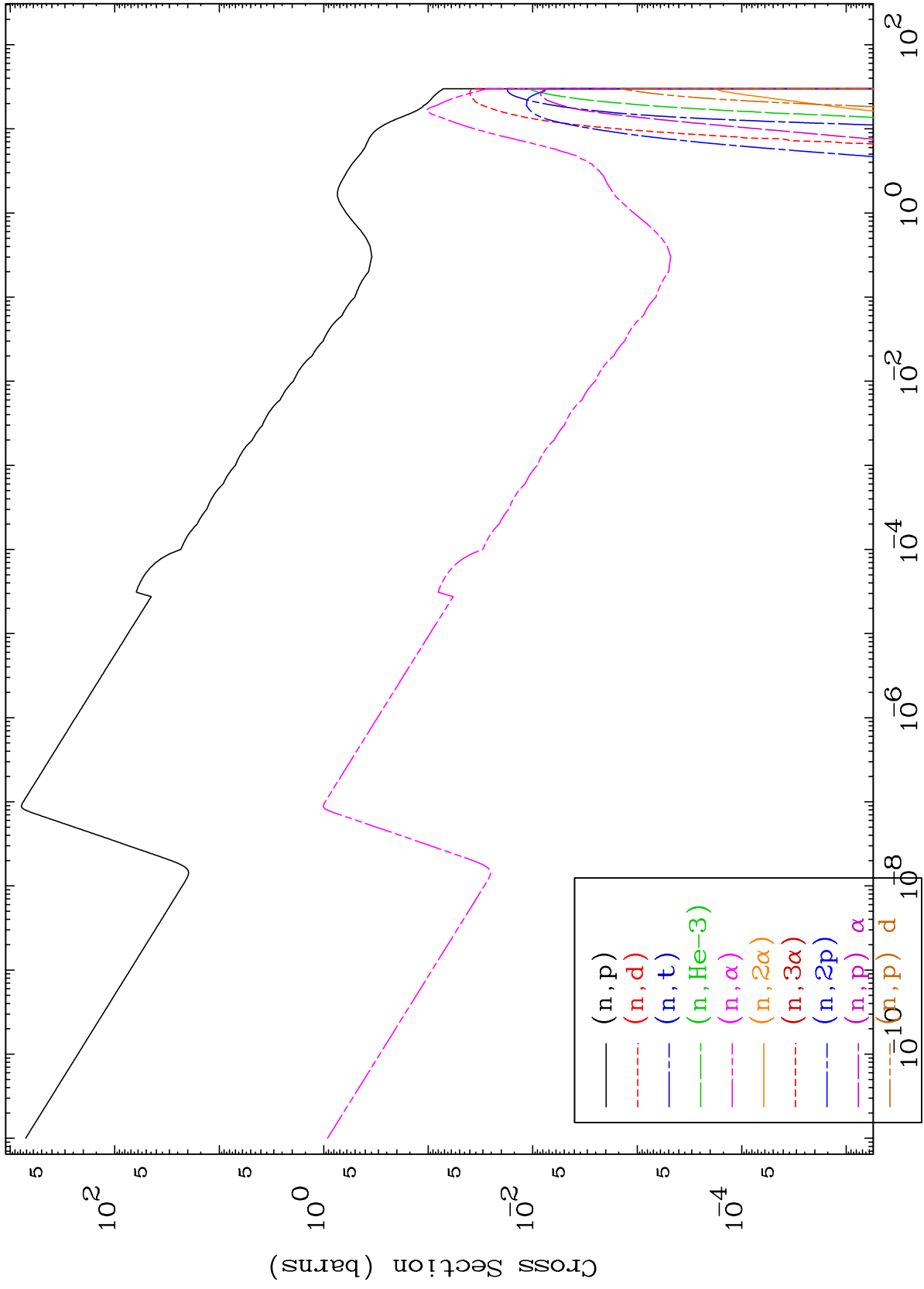
63-Eu-142



MAT 6299

Charged Particle
293 Kelvin Cross Sections

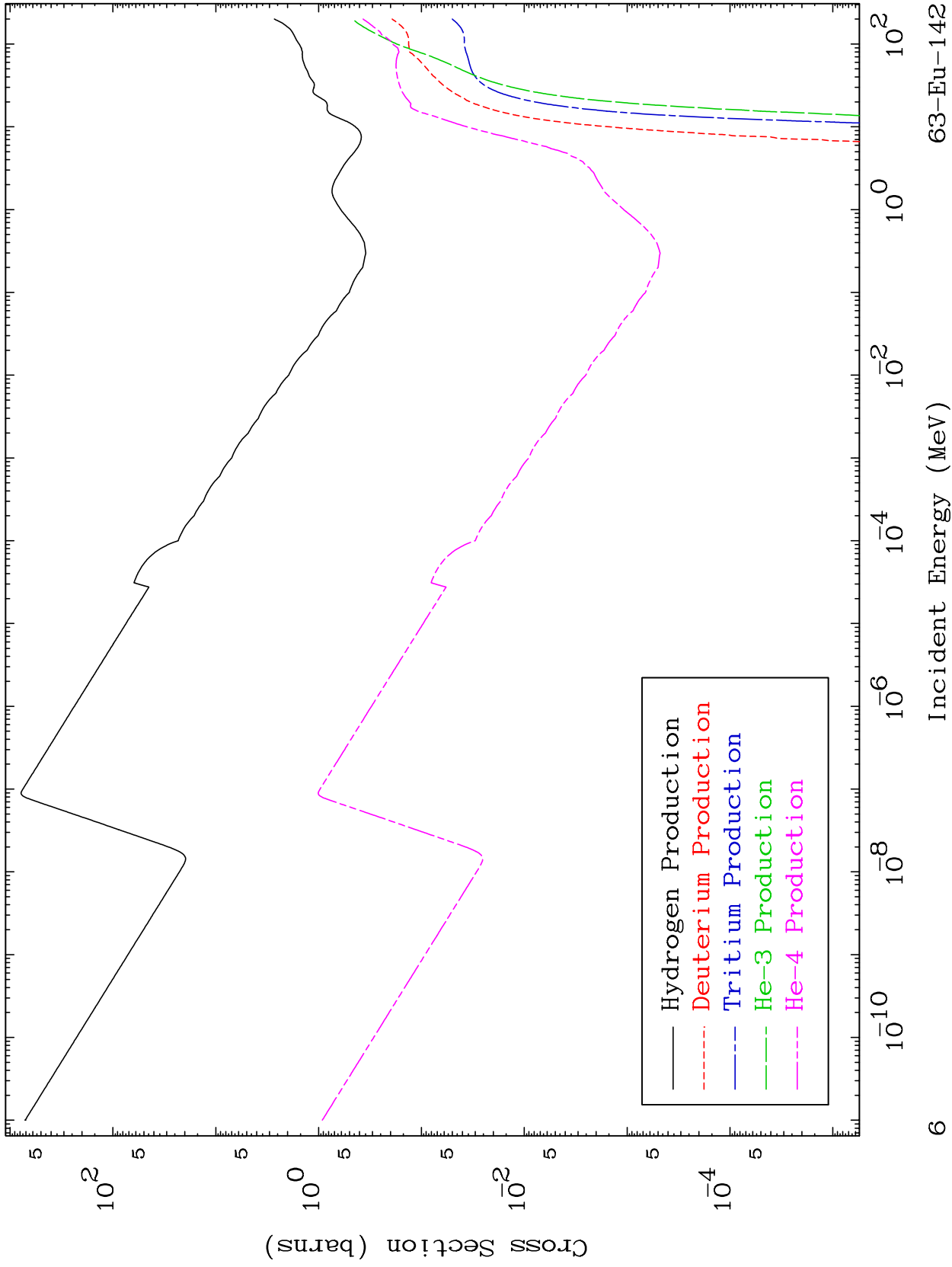
63-Eu-142



5

Incident Energy (MeV)

63-Eu-142

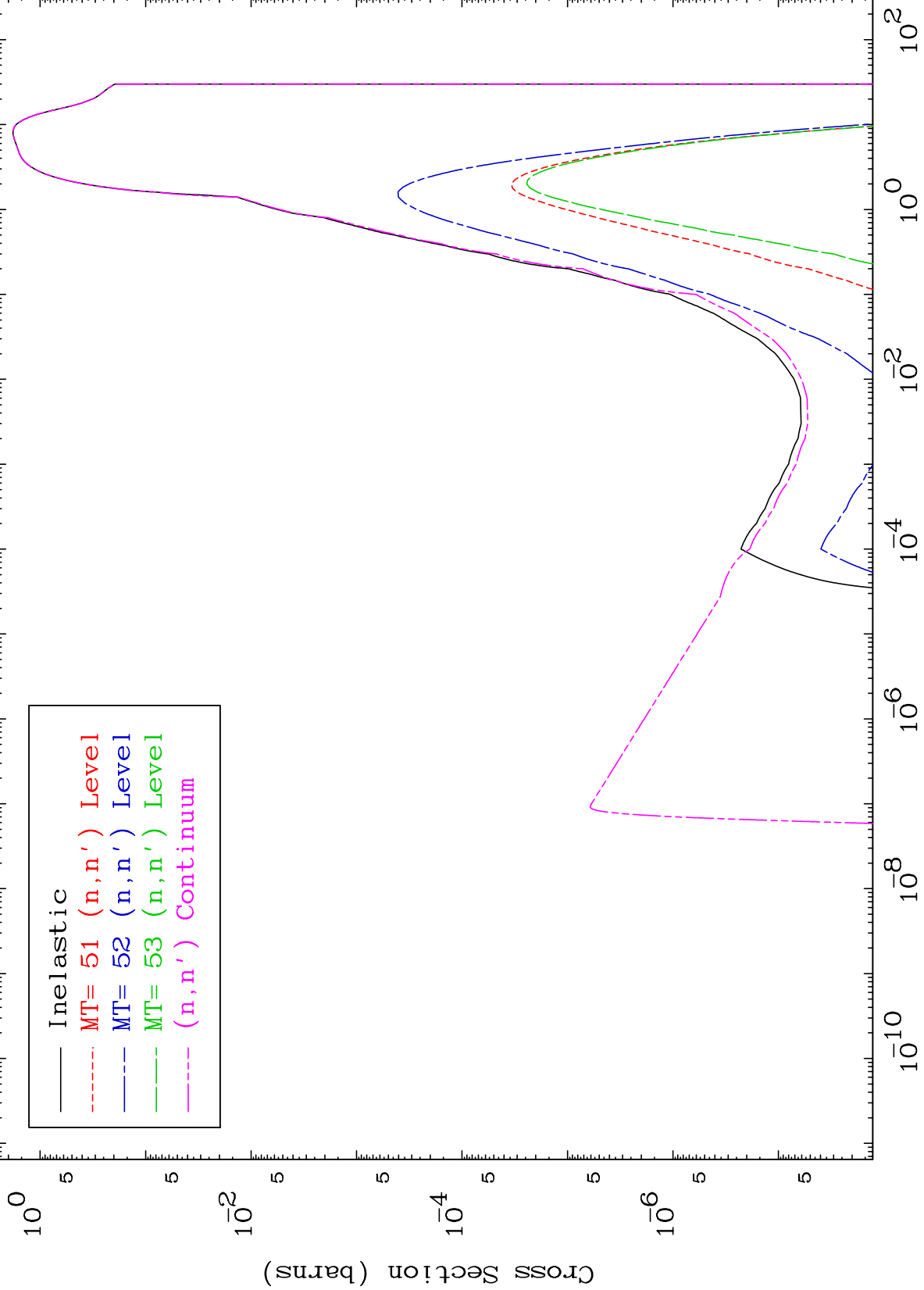


MAT 6299

(n,n') Level

63-Eu-142

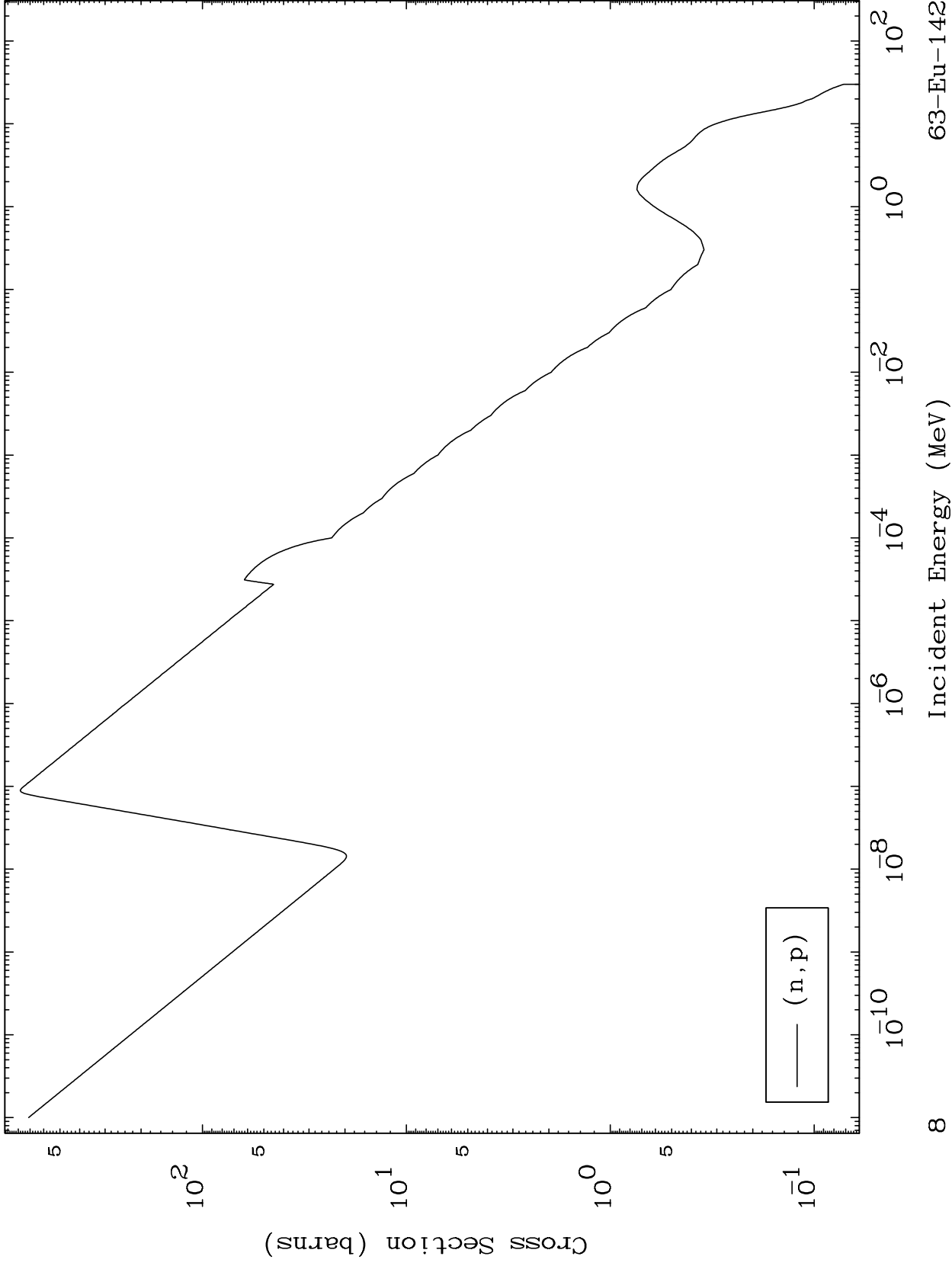
293 Kelvin Cross Sections



MAT 6299

(n,p) Levels
293 Kelvin Cross Sections

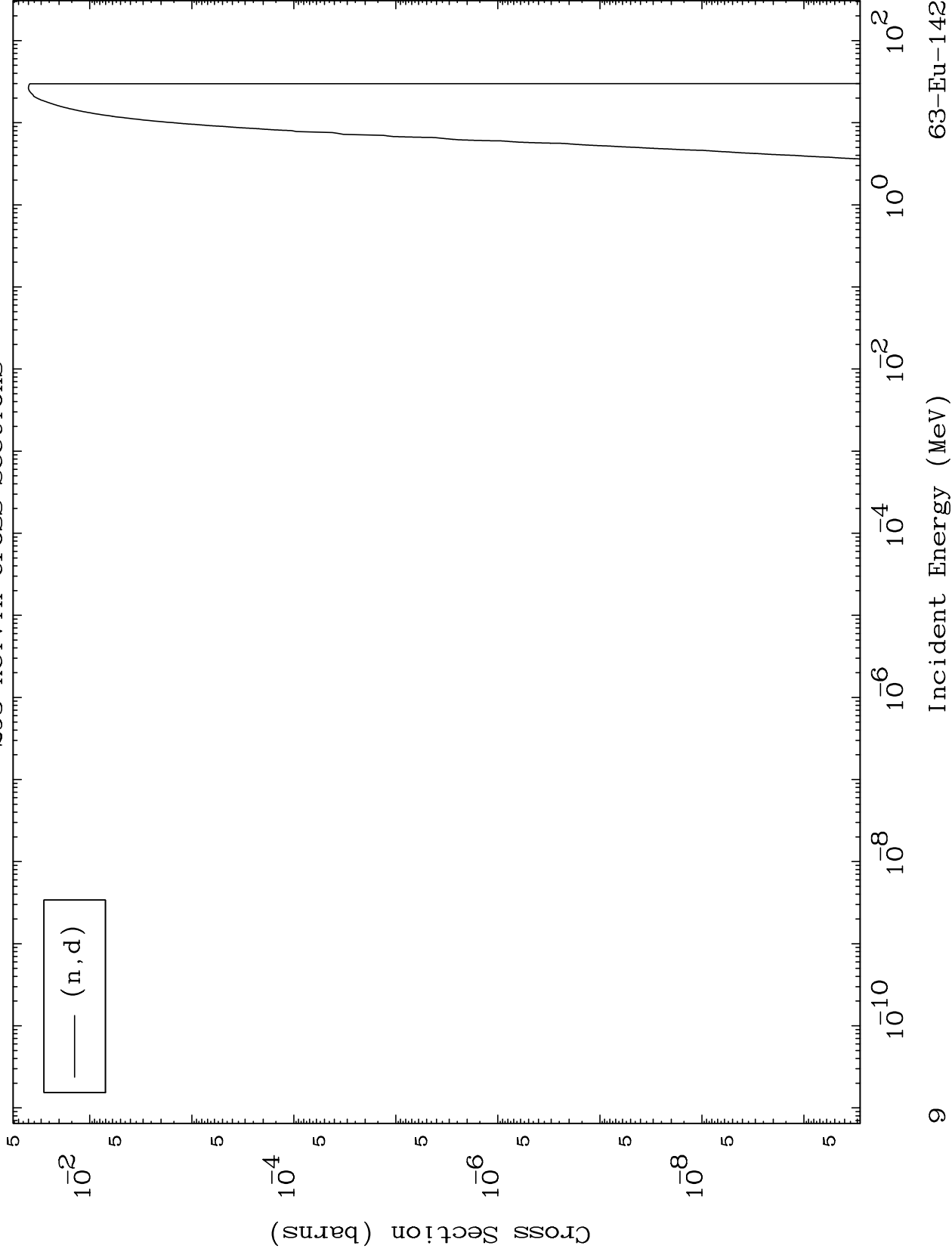
63-Eu-142



MAT 6299

(n,d) Levels
293 Kelvin Cross Sections

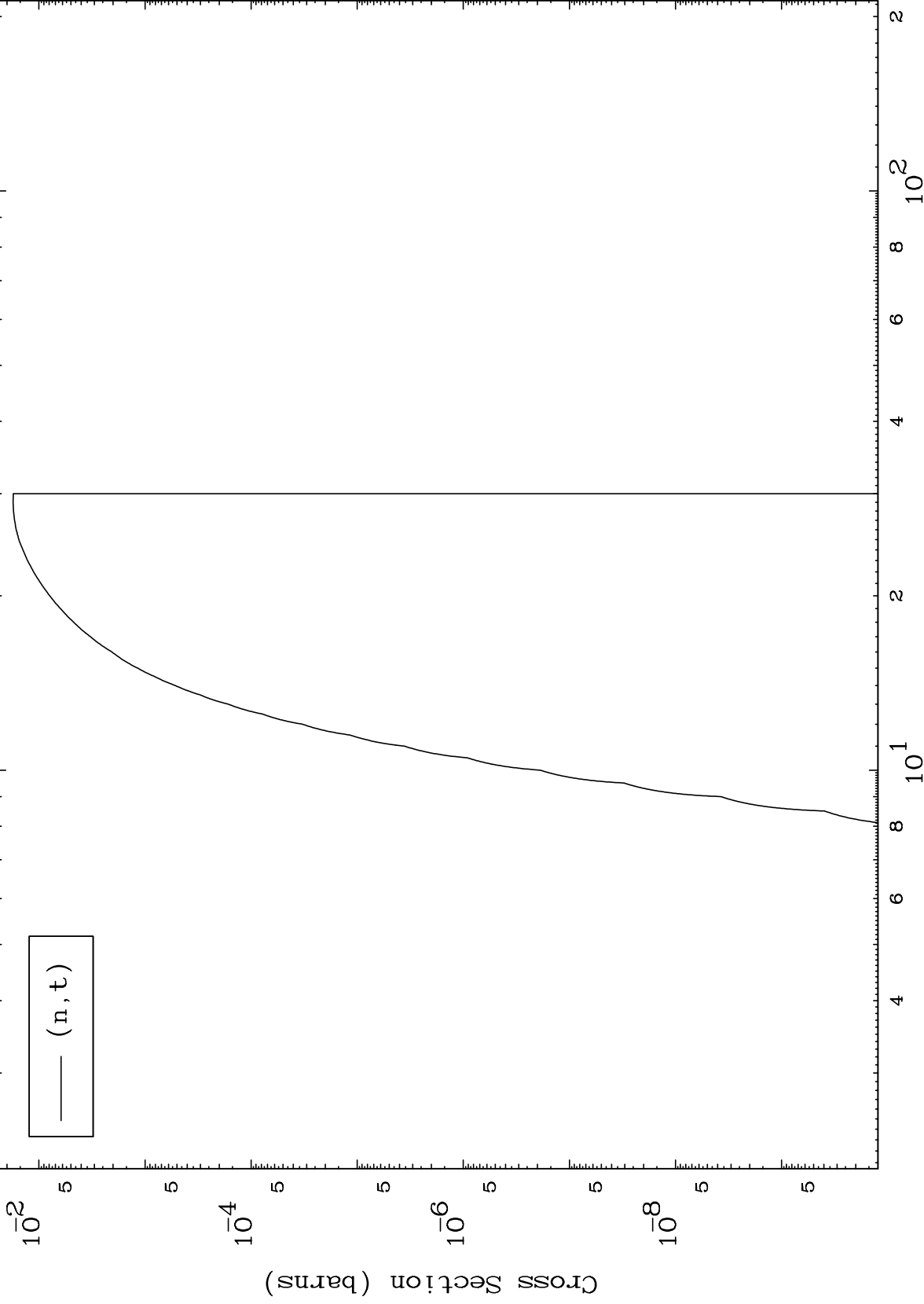
63-Eu-142



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(n,t) Levels
293 Kelvin Cross Sections

63-Eu-142



10

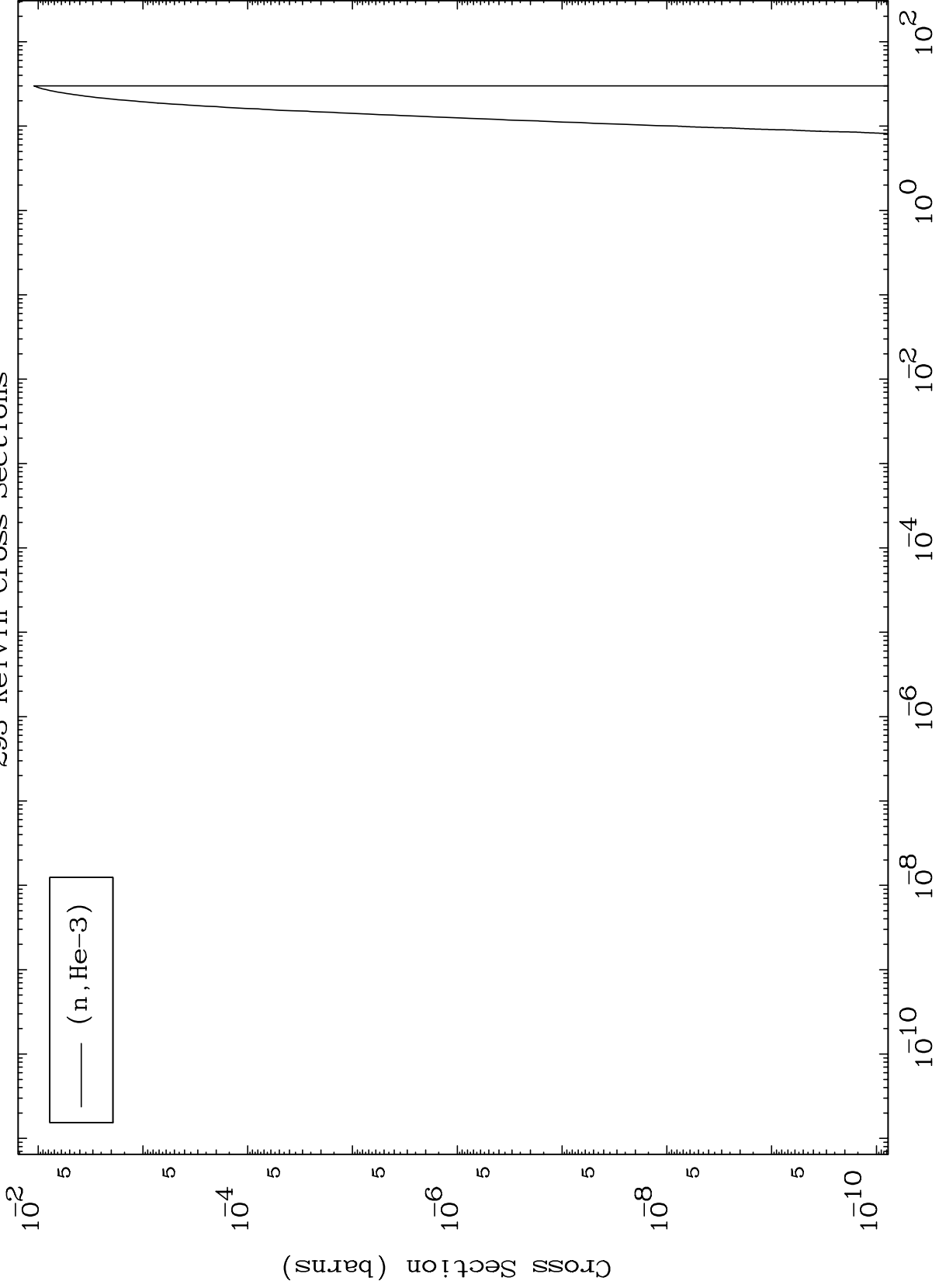
Incident Energy (MeV)

63-Eu-142

MAT 6299

(n,He3) Levels
293 Kelvin Cross Sections

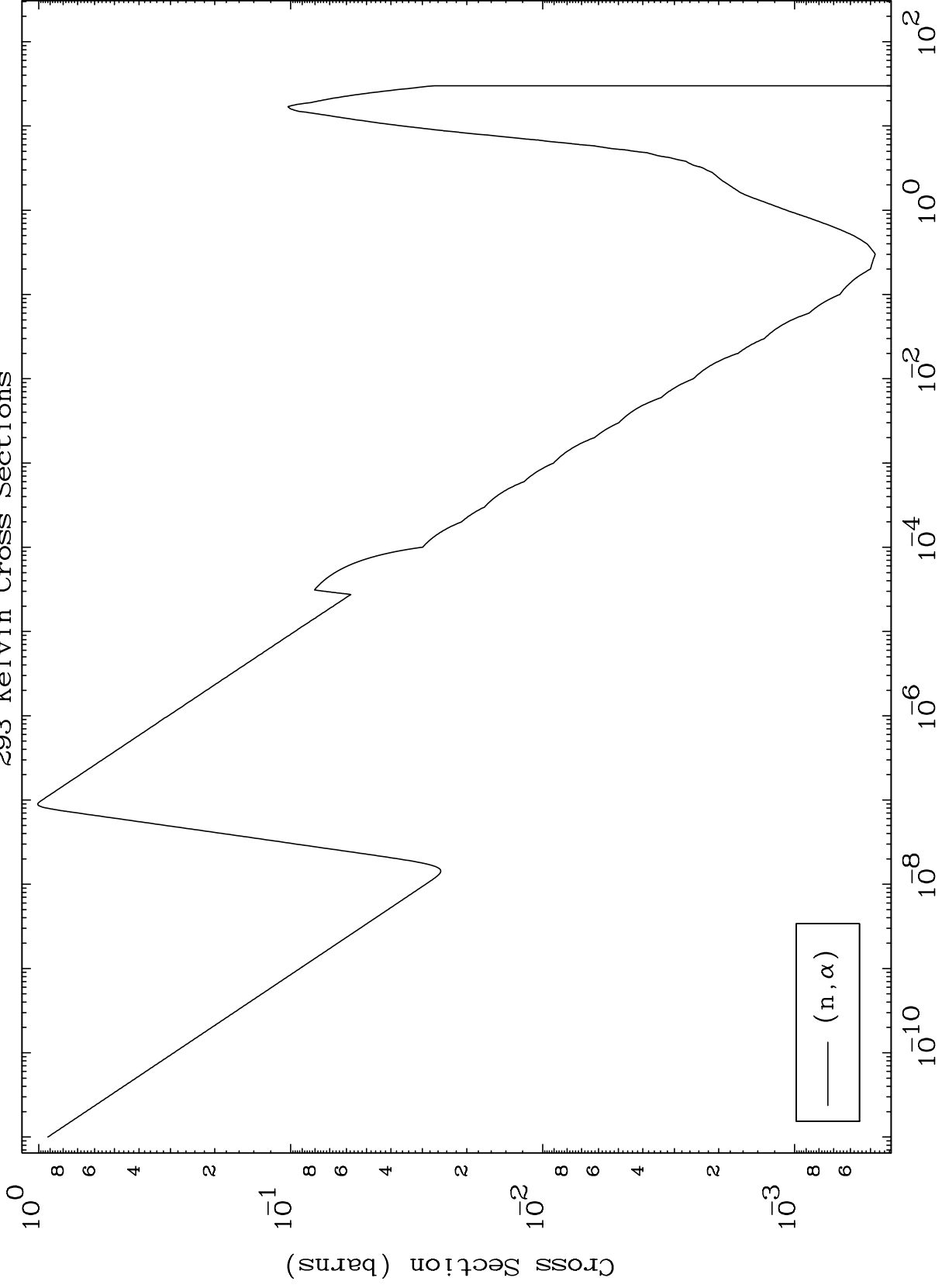
63-Eu-142



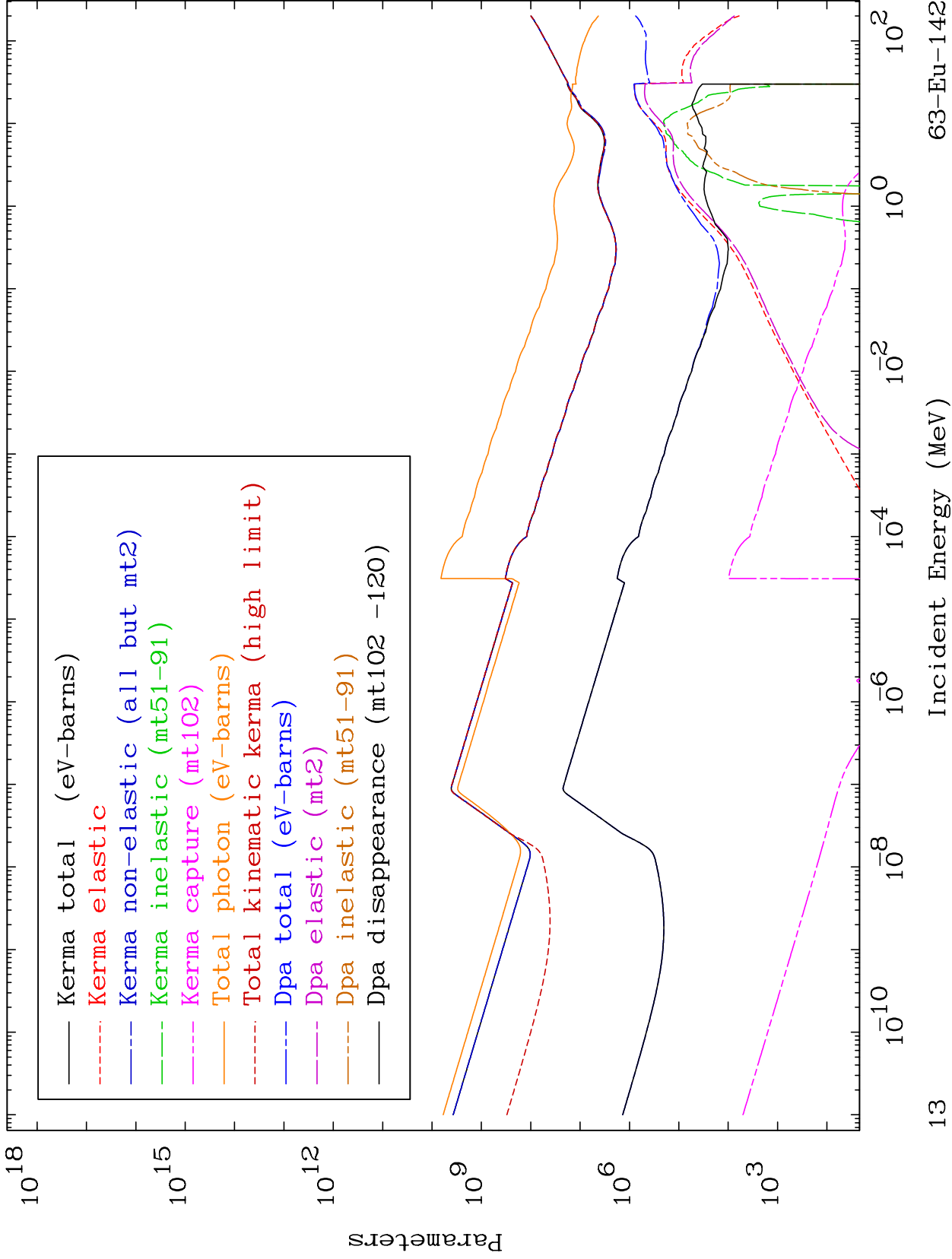
MAT 6299

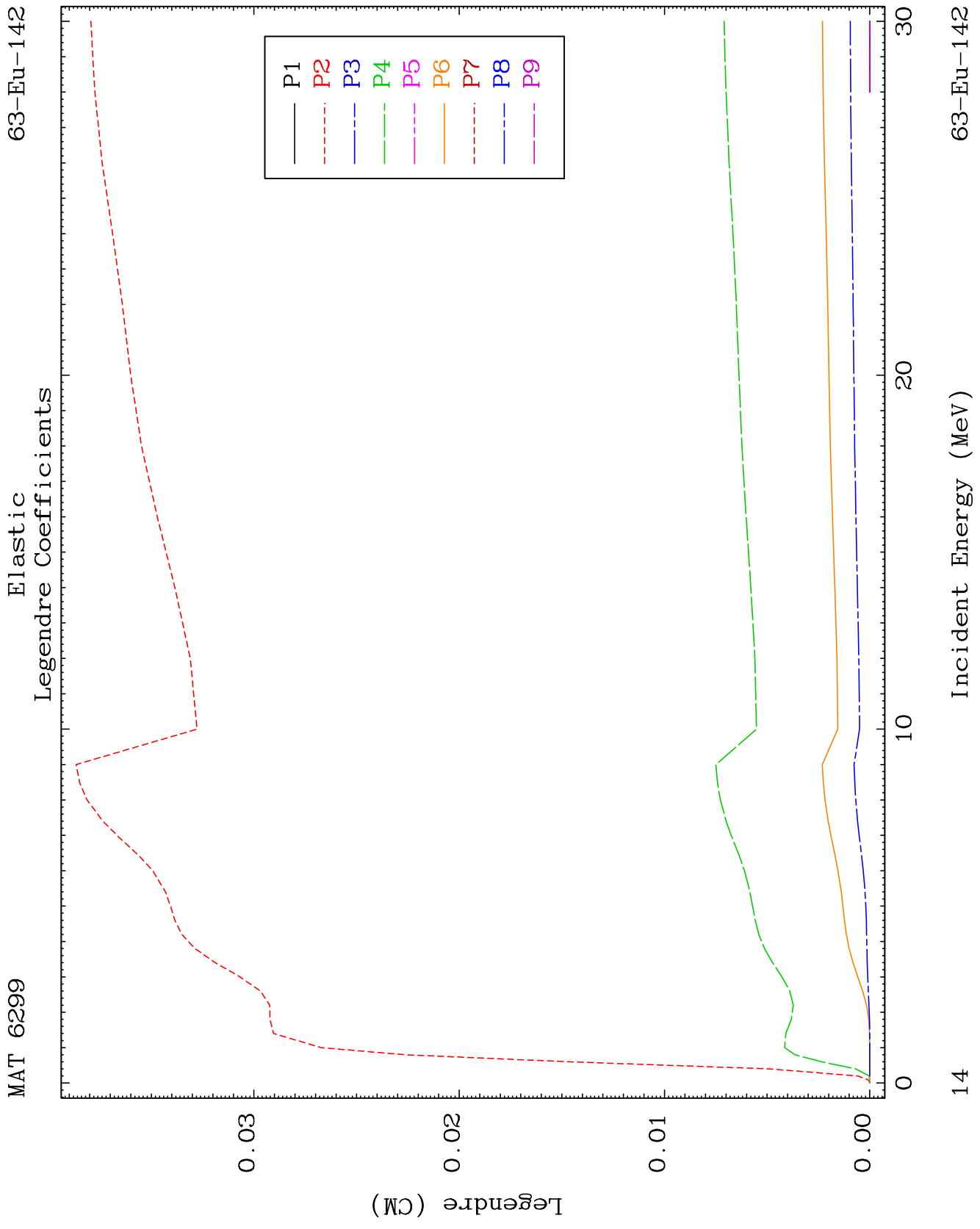
(n,α) Levels
293 Kelvin Cross Sections

63-Eu-142



(n,α)

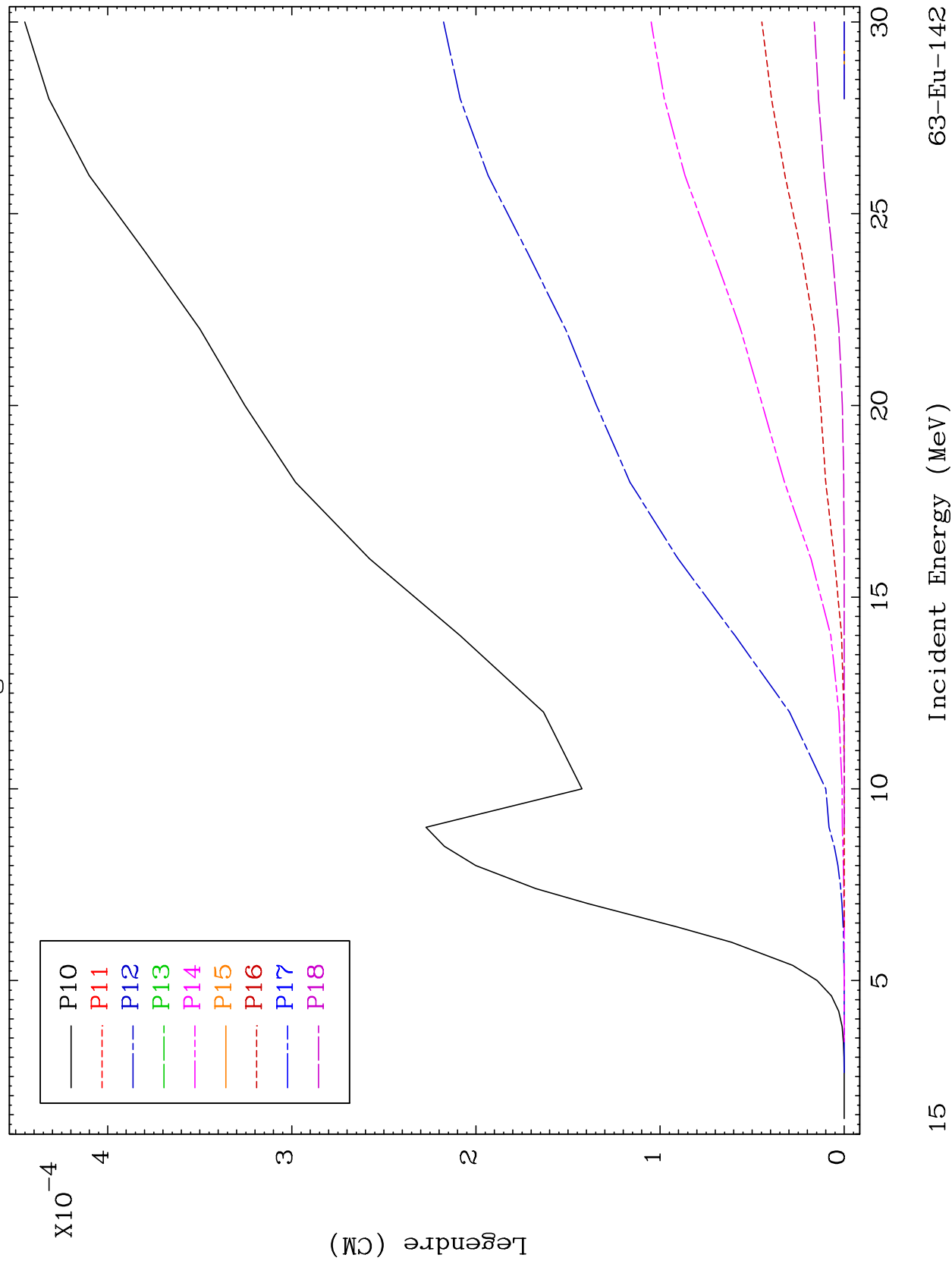




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Elastic Legendre Coefficients

63-Eu-142



15

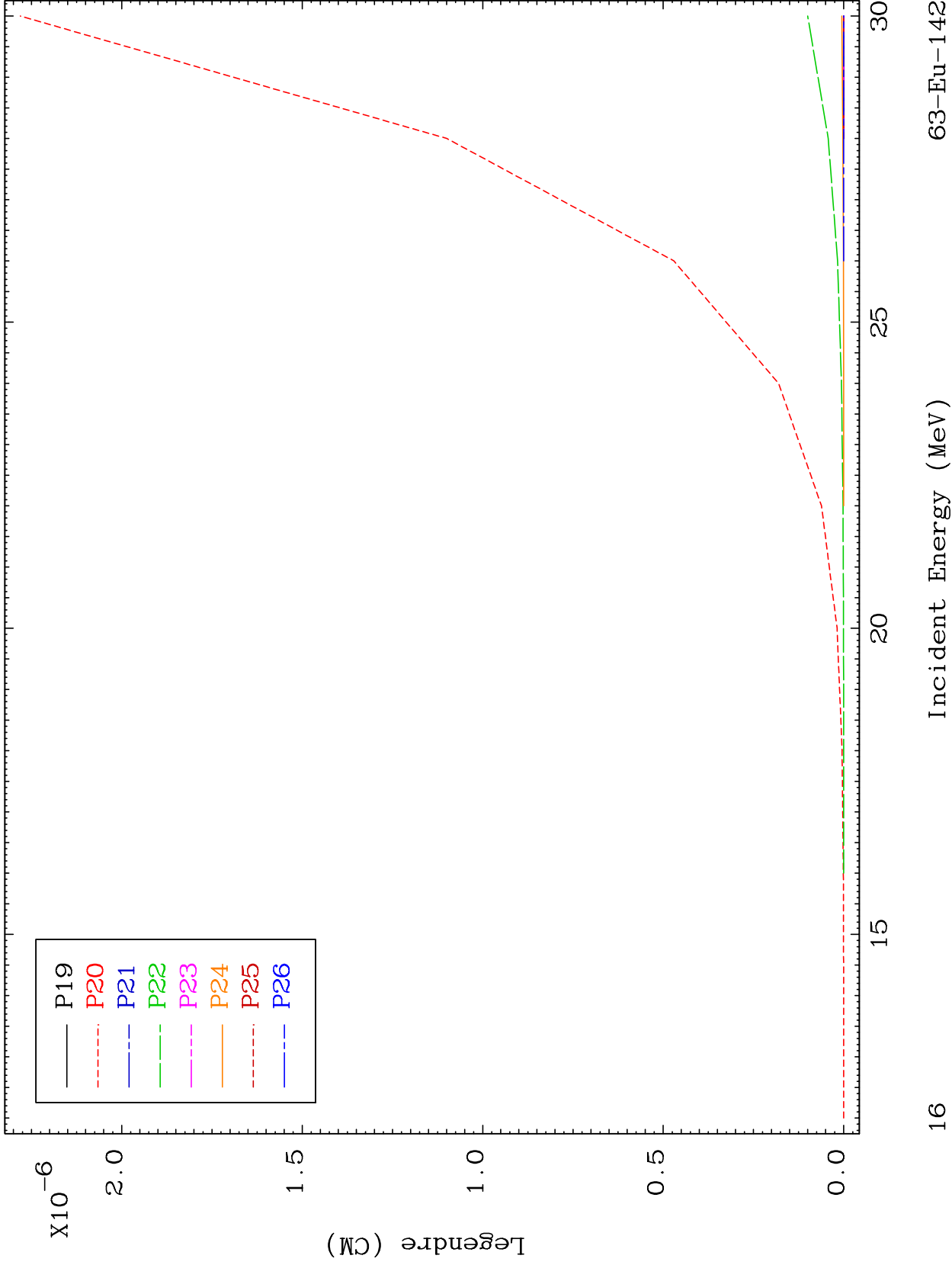
Incident Energy (MeV)

63-Eu-142

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Elastic Legendre Coefficients

63-Eu-142



16

Incident Energy (MeV)

63-Eu-142

15

20

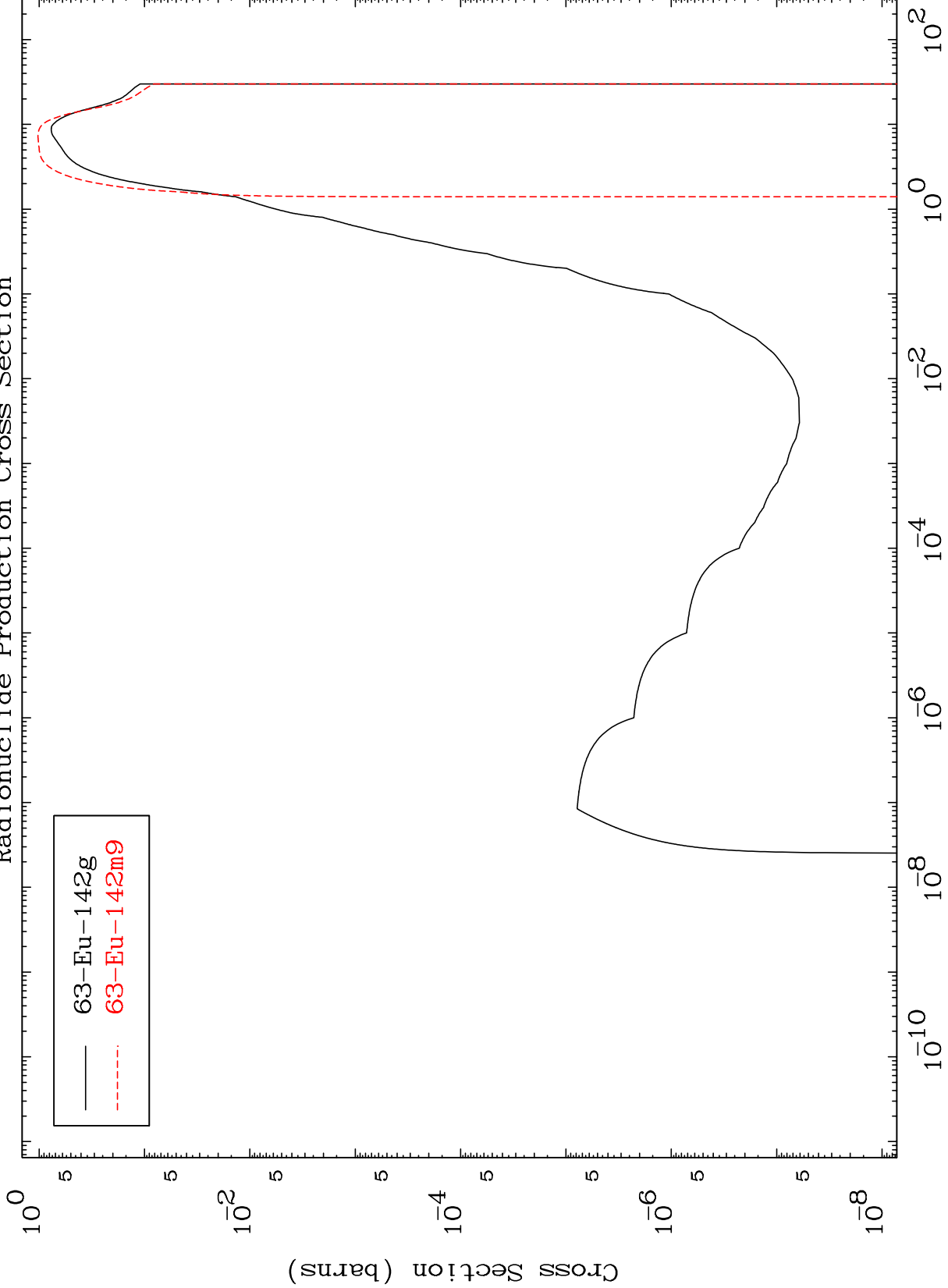
25

30

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Inelastic
Radionuclide Production Cross Section

63-Eu-142



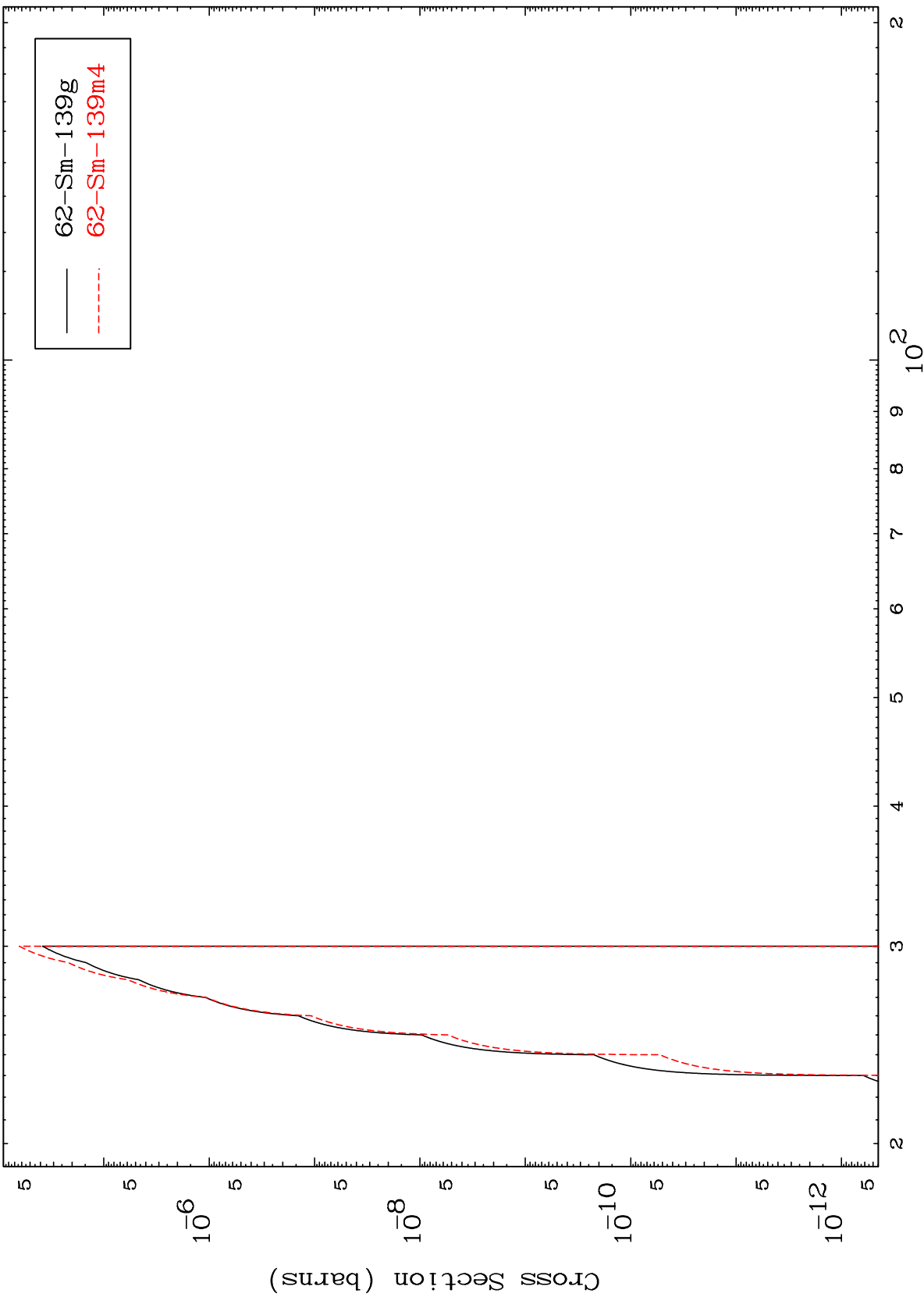
63-Eu-142g
63-Eu-142m9

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(n,2n) d

63-Eu-142

Radionuclide Production Cross Section



18

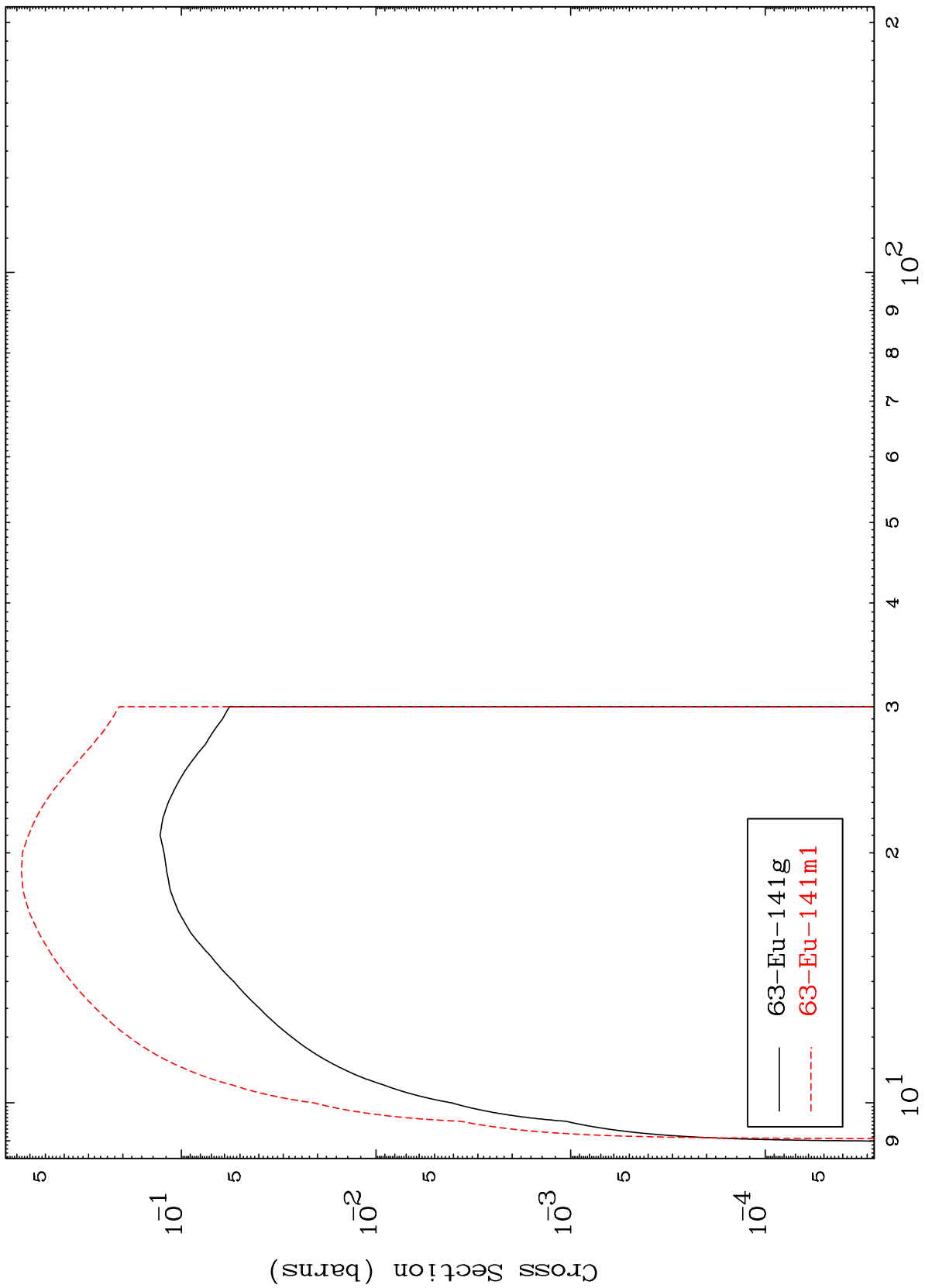
Incident Energy (MeV)

63-Eu-142

MAT 6299

63-Eu-142

(n,2n)
Radionuclide Production Cross Section



63-Eu-142

Incident Energy (MeV)

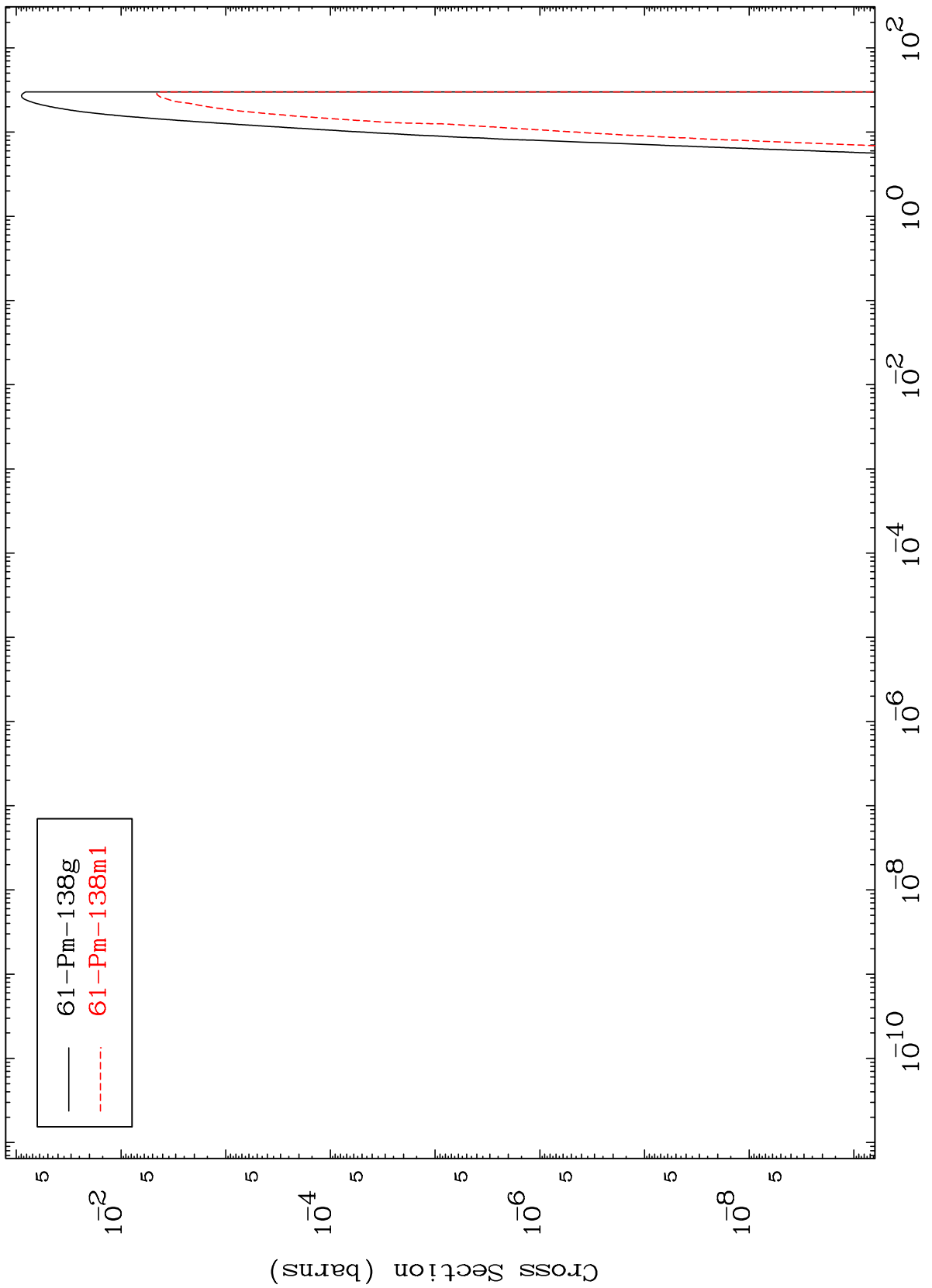
19

MAT 6299

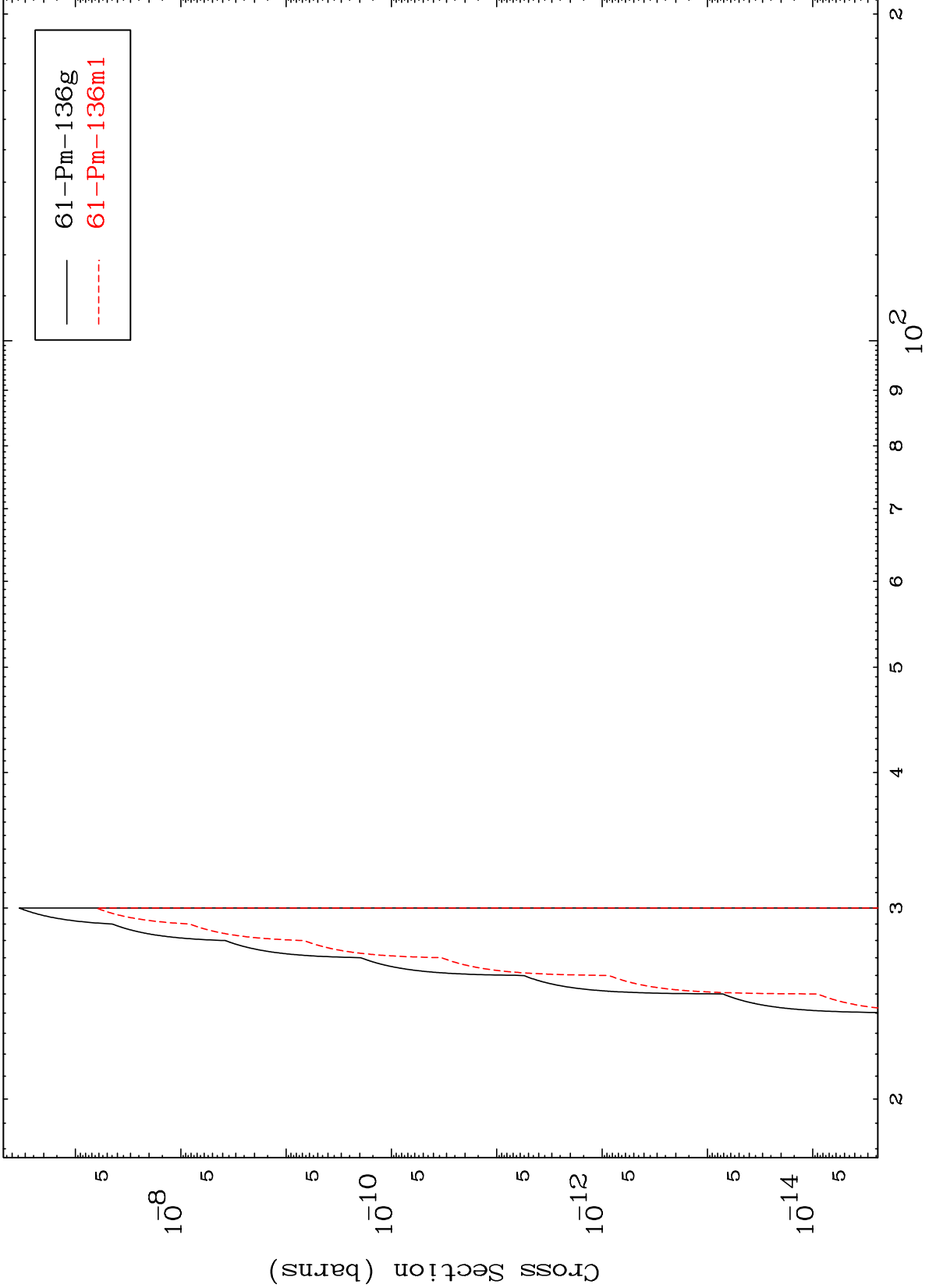
$(n, n') \alpha$

63-Eu-142

Radionuclide Production Cross Section



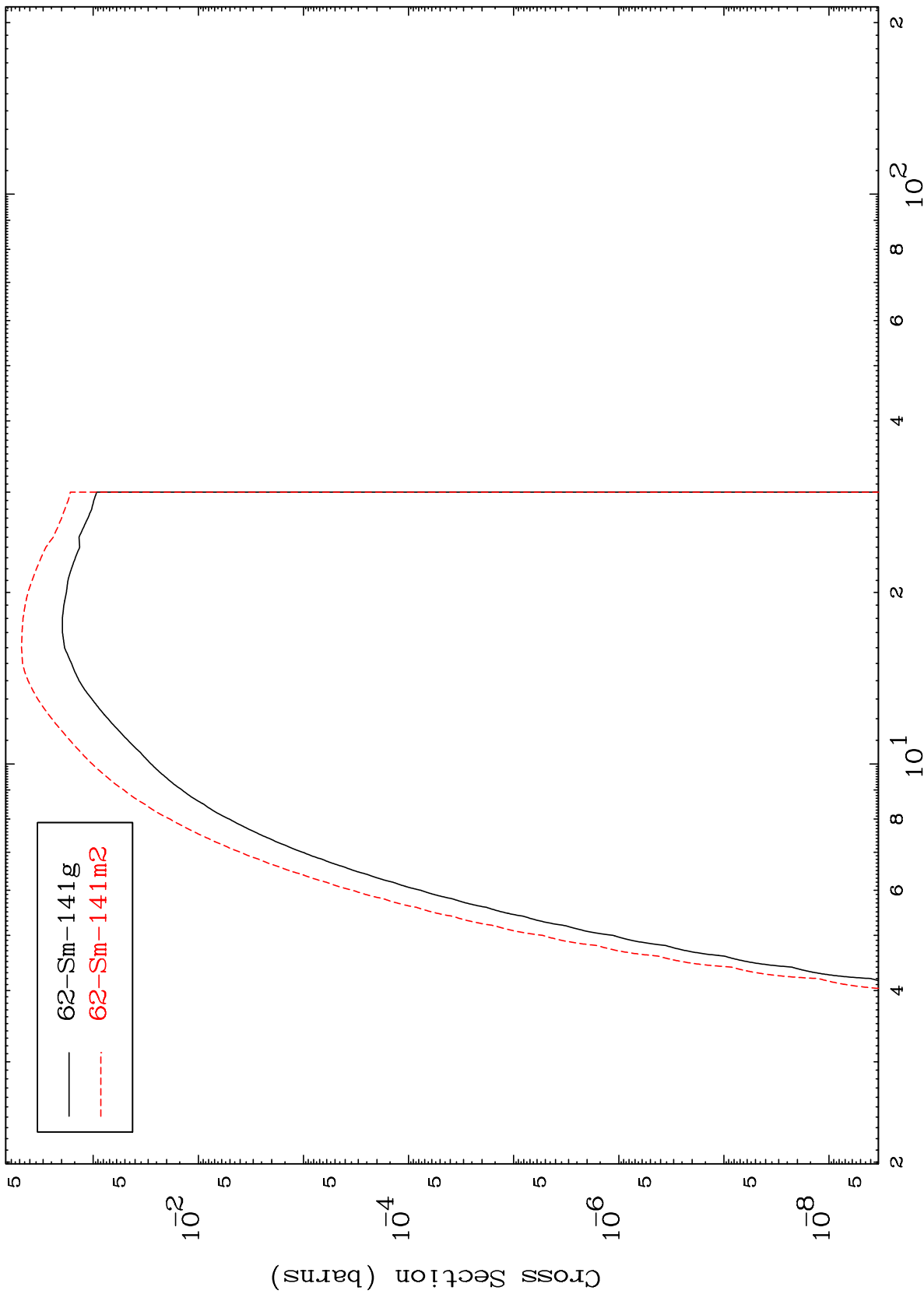
Radionuclide Production Cross Section



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63-Eu-142

(n,n') p
Radionuclide Production Cross Section



22

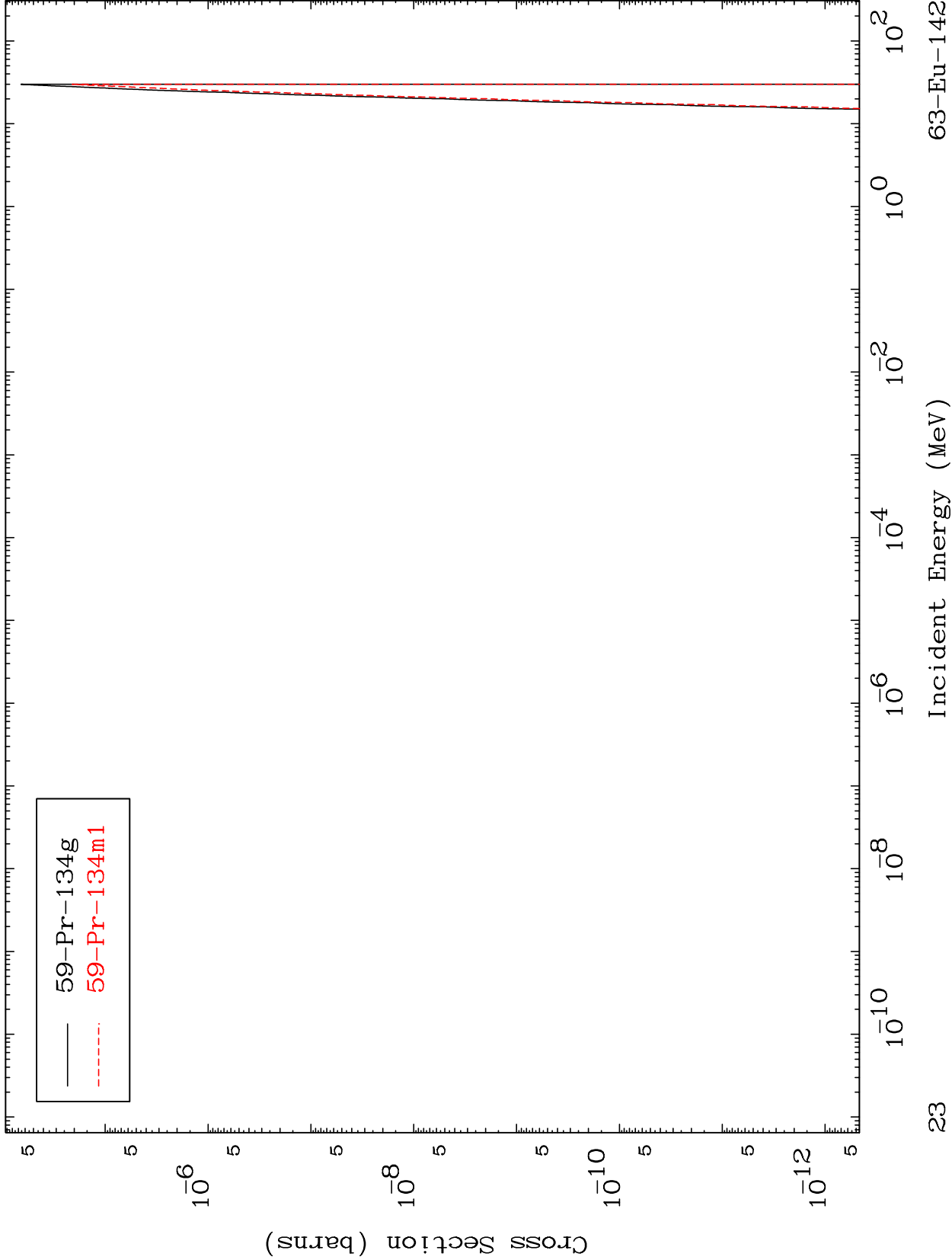
63-Eu-142

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(n,n') 2 α

63-Eu-142

Radionuclide Production Cross Section



23

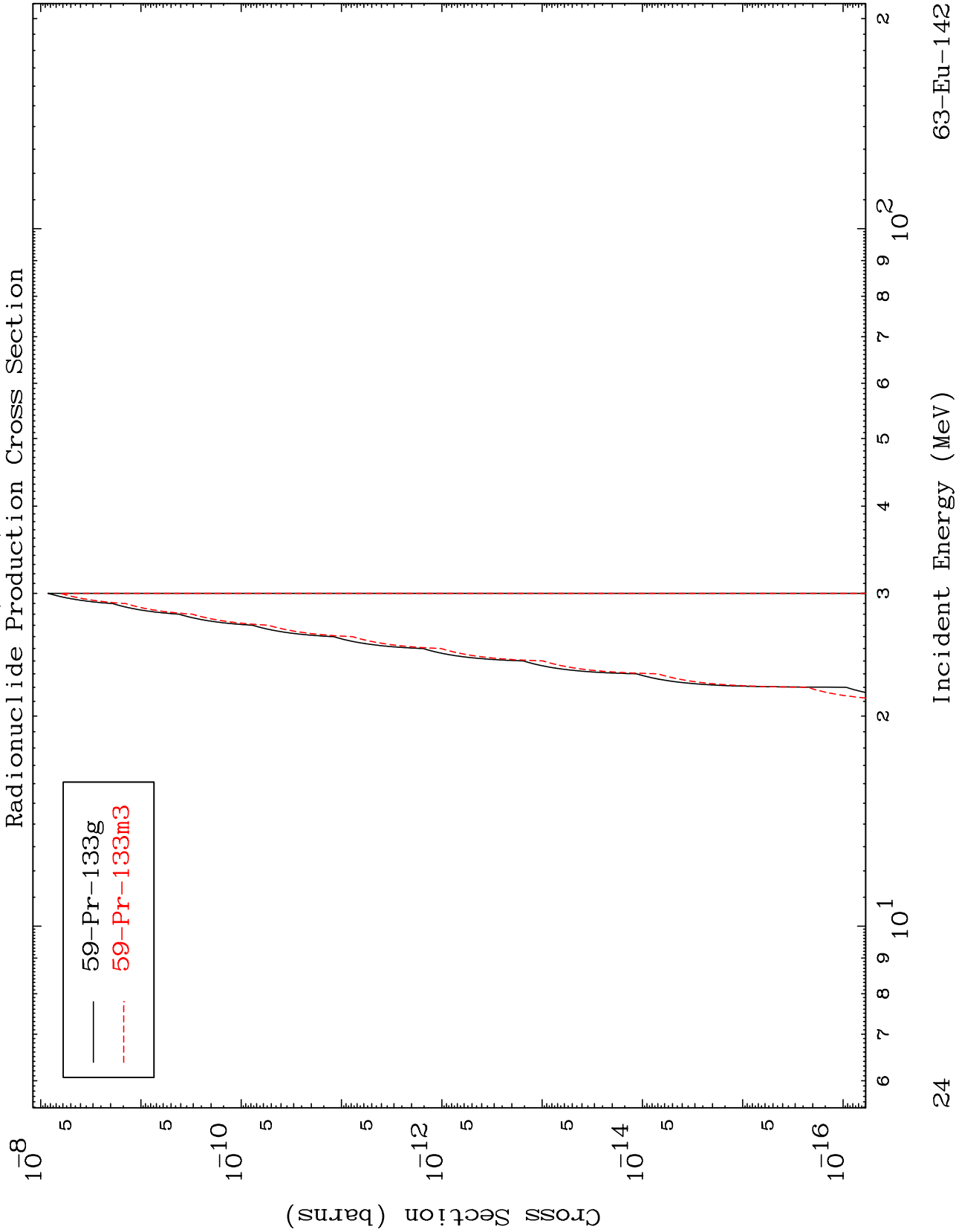
Incident Energy (MeV)

63-Eu-142

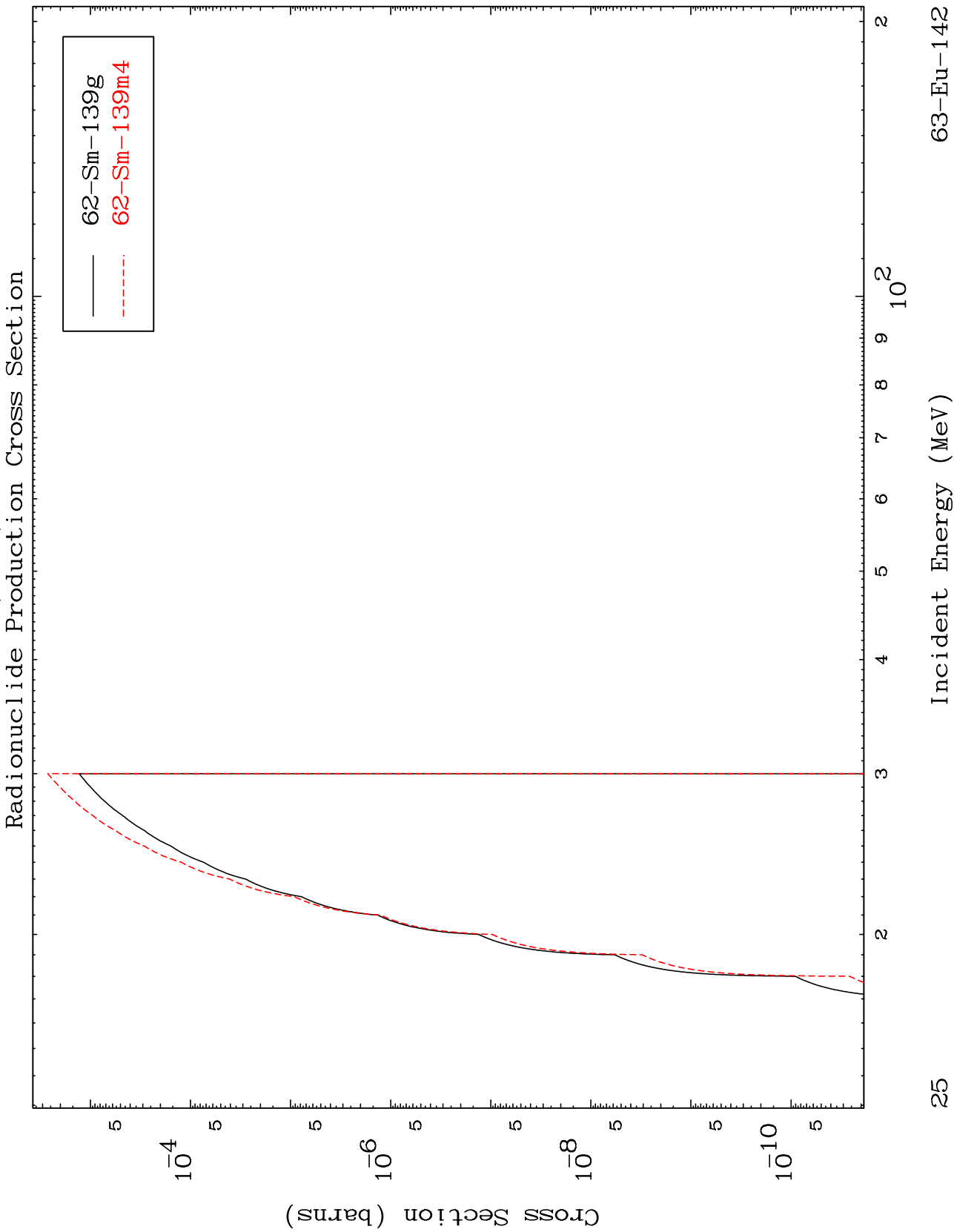
MAT 6299

(n,2n) 2 α

63-Eu-142



24

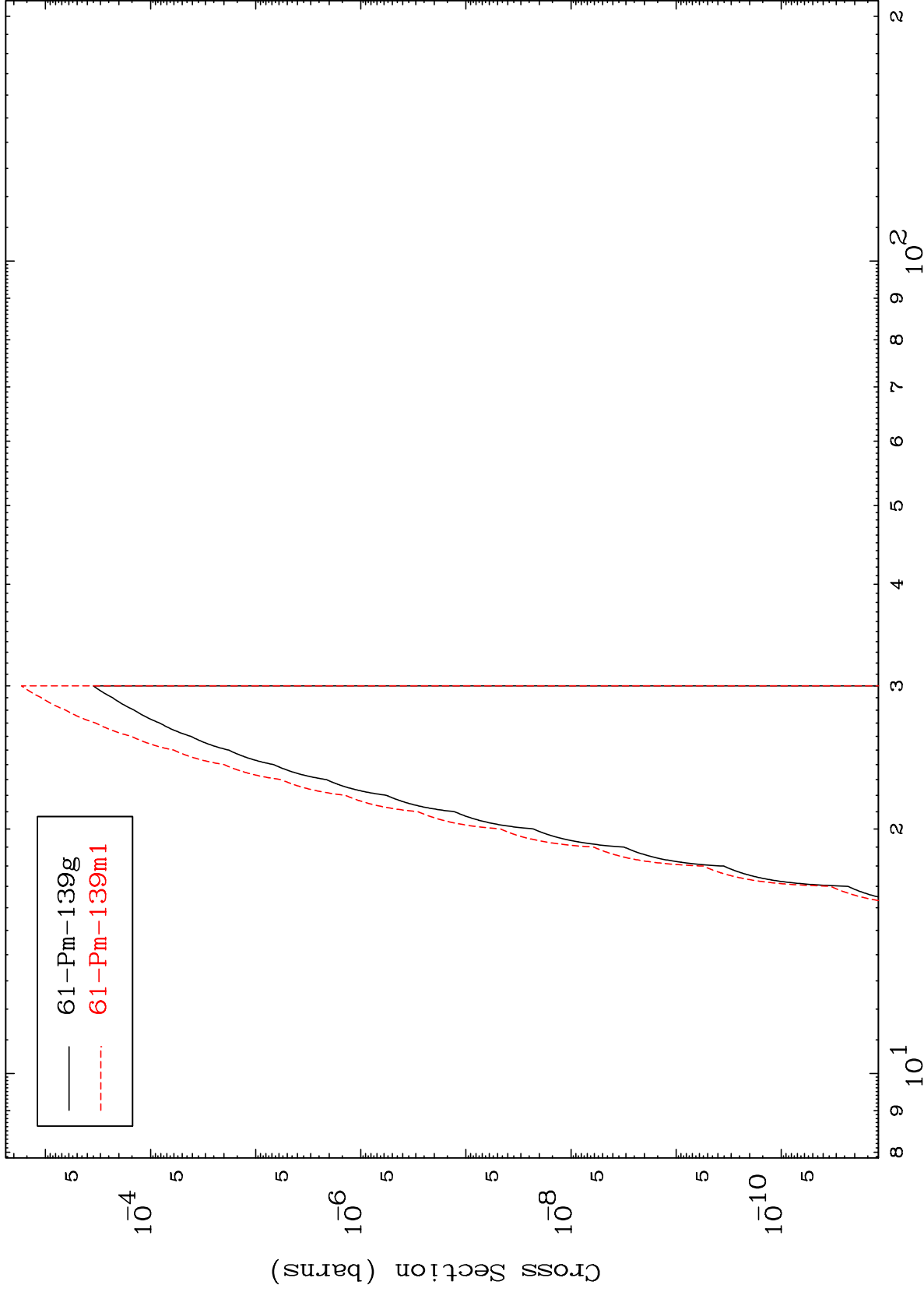


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(n,n') He-3

63-Eu-142

Radionuclide Production Cross Section

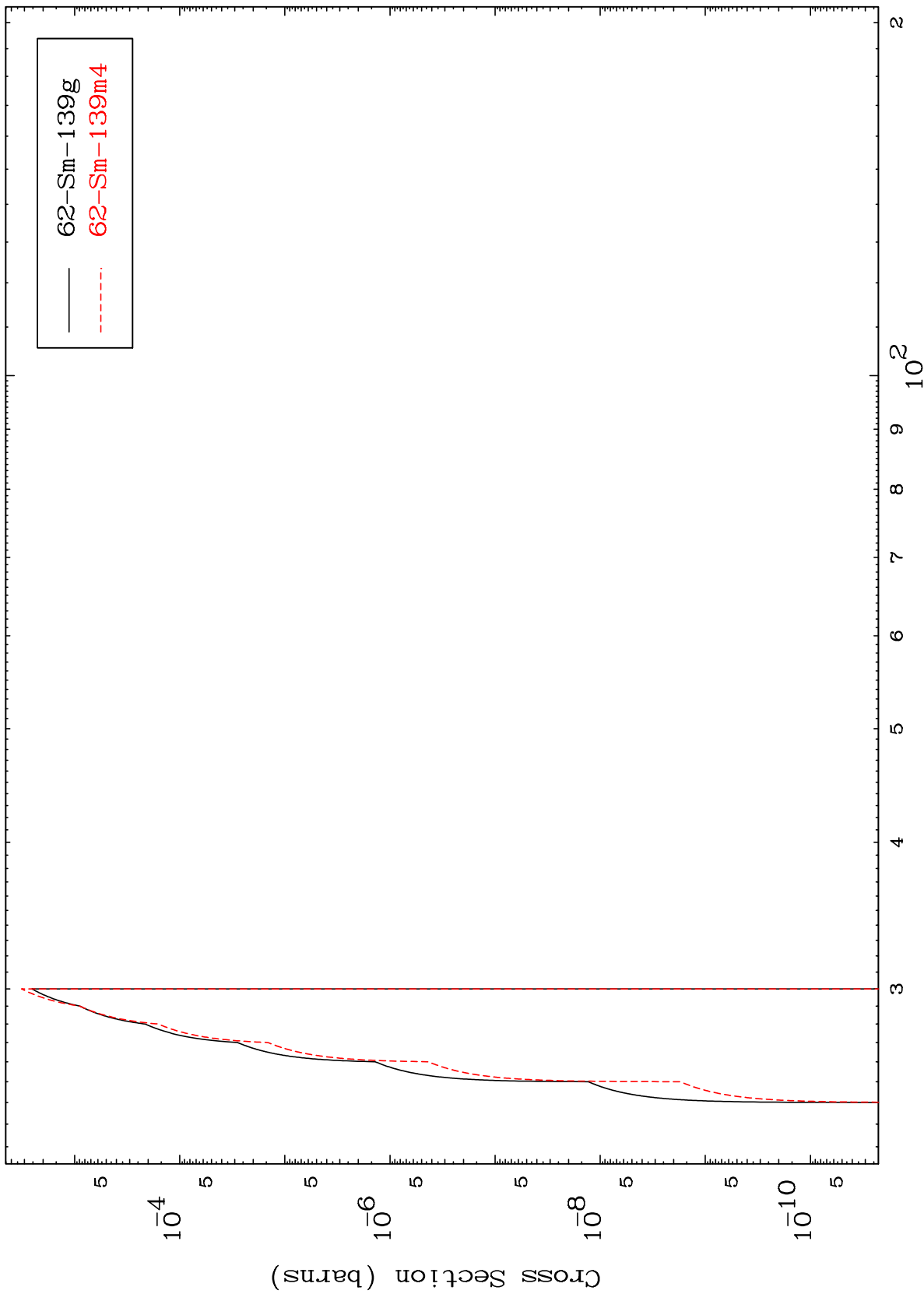


26

Incident Energy (MeV)

63-Eu-142

Radionuclide Production Cross Section

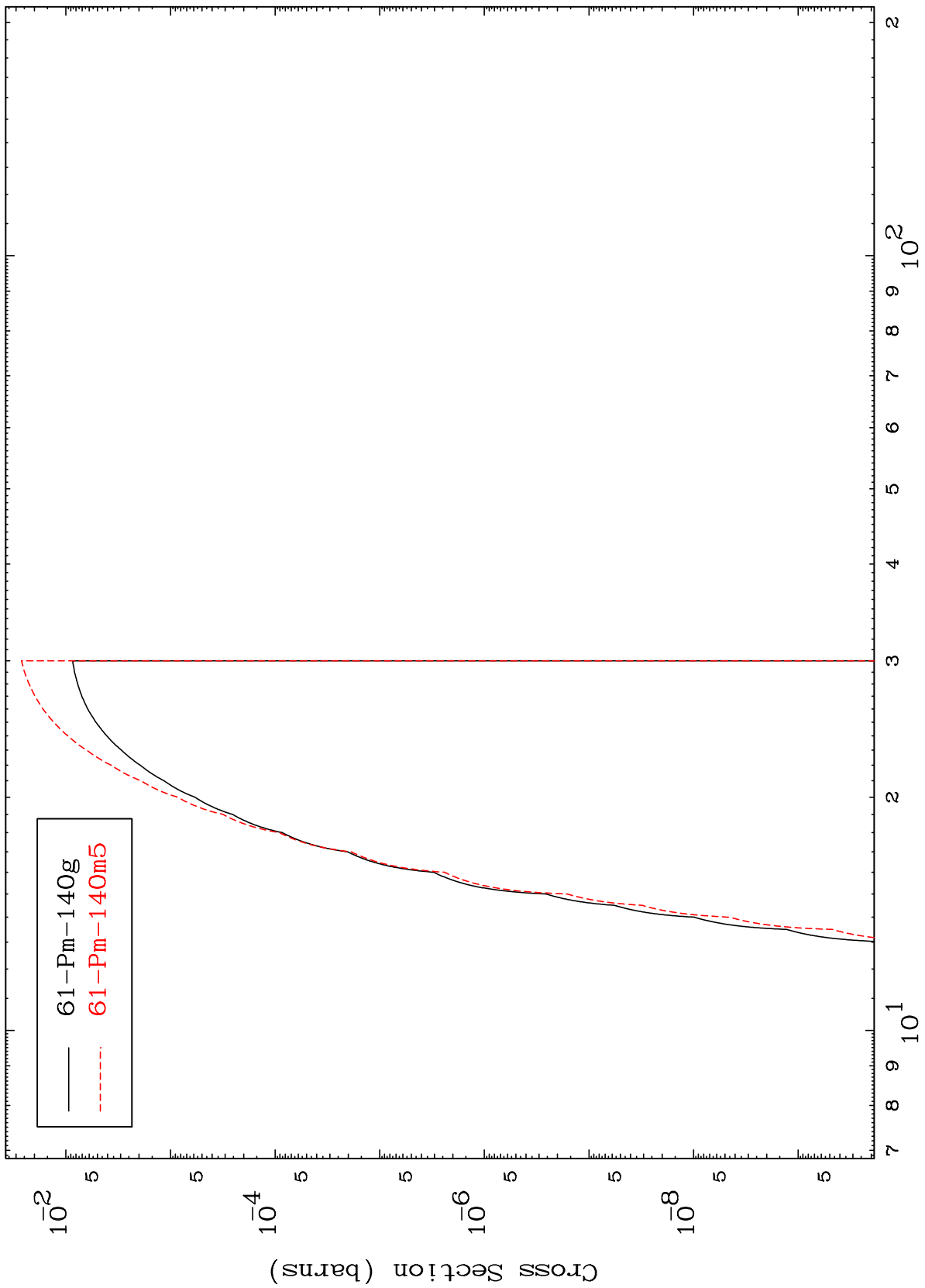


MAT 6299

(n,2n) p

63-Eu-142

Radionuclide Production Cross Section



28

Incident Energy (MeV)

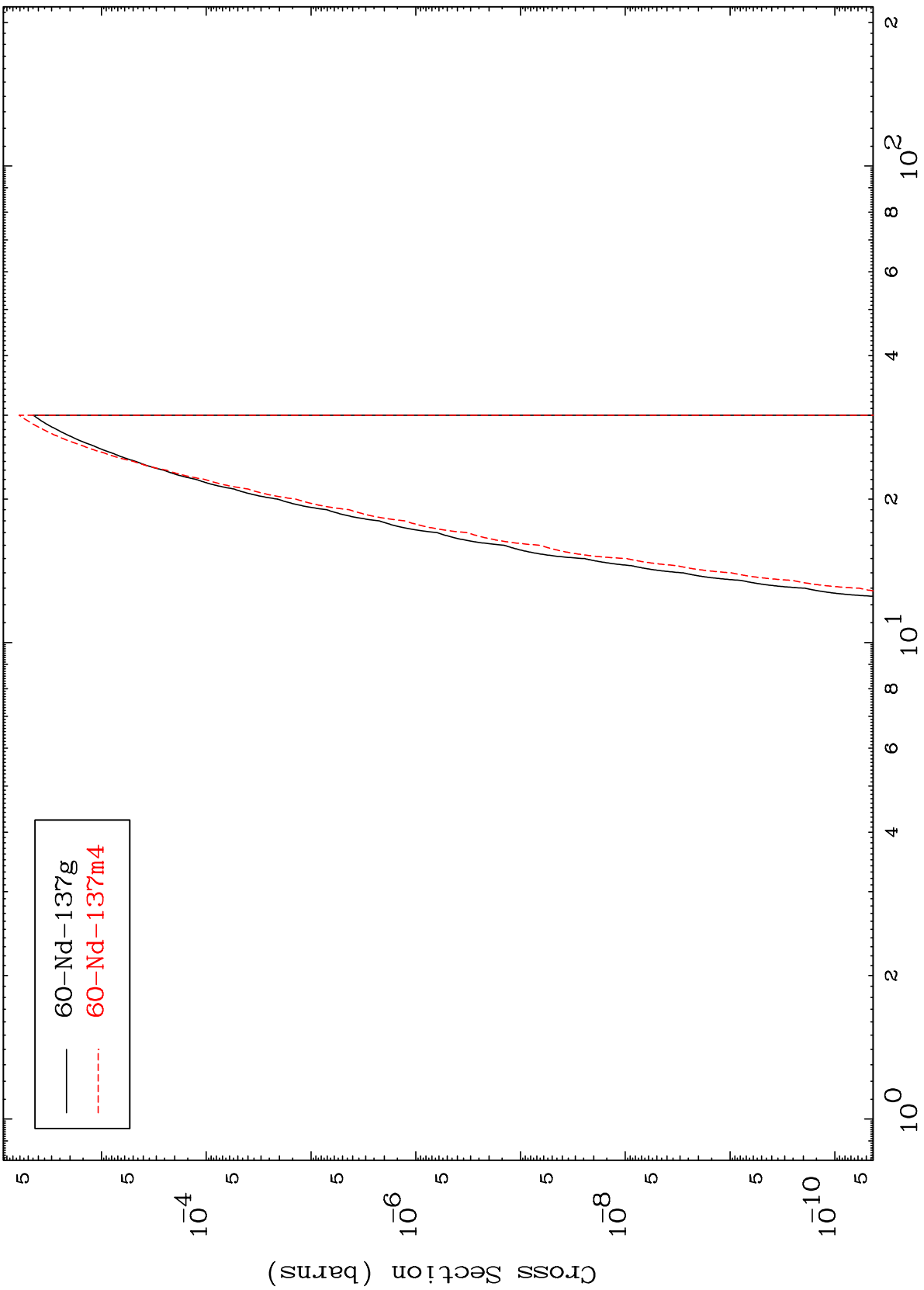
63-Eu-142

MAT 6299

(n,n') p α

63-Eu-142

Radionuclide Production Cross Section



29

Incident Energy (MeV)

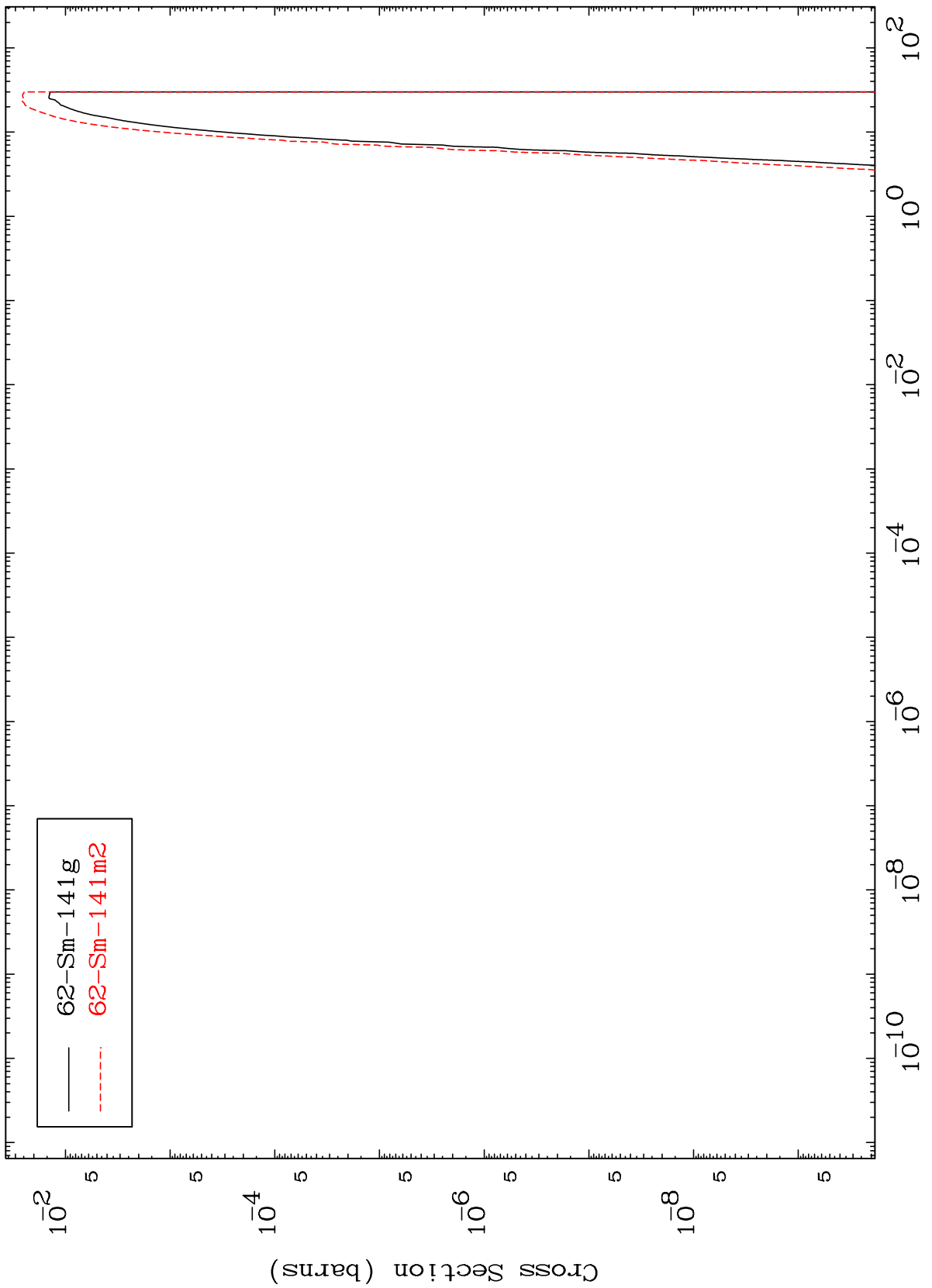
63-Eu-142

MAT 6299

(n,d)

⁶³Eu-142

Radionuclide Production Cross Section

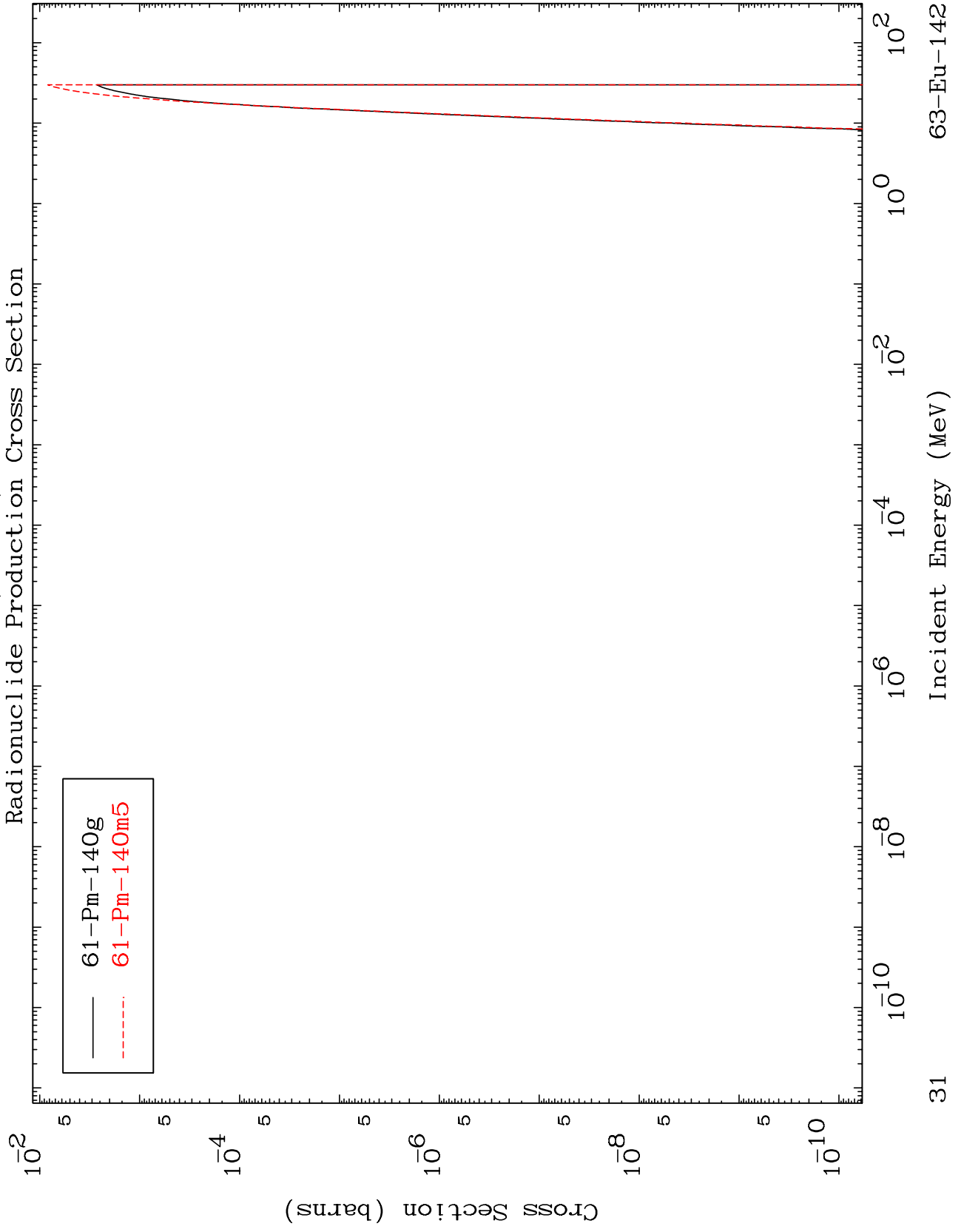


— 62-Sm-141g
- - - 62-Sm-141m2

MAT 6299

(n,He-3)

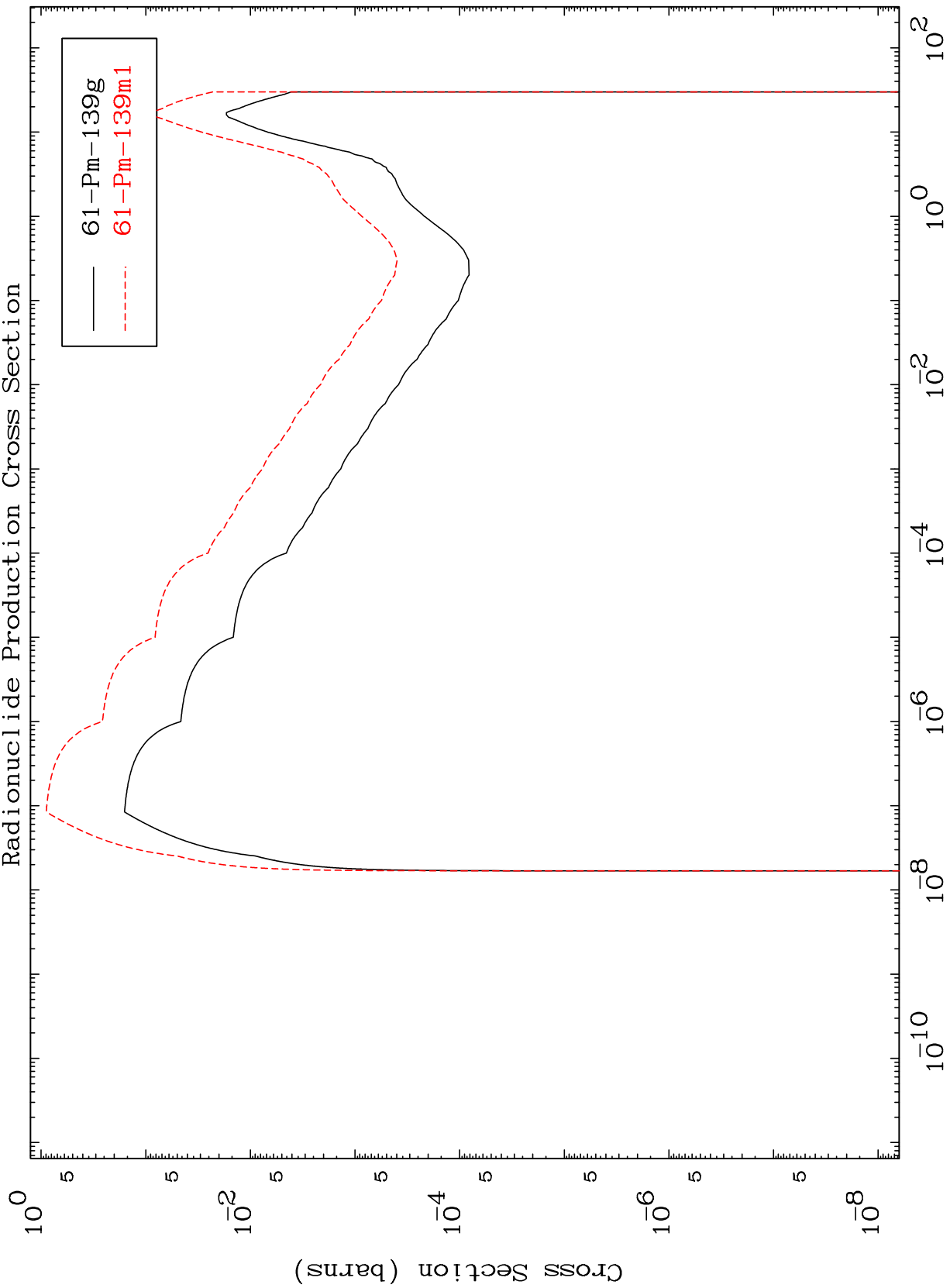
63-Eu-142



MAT 6299

63-Eu-142

(n, α)
Radionuclide Production Cross Section



32

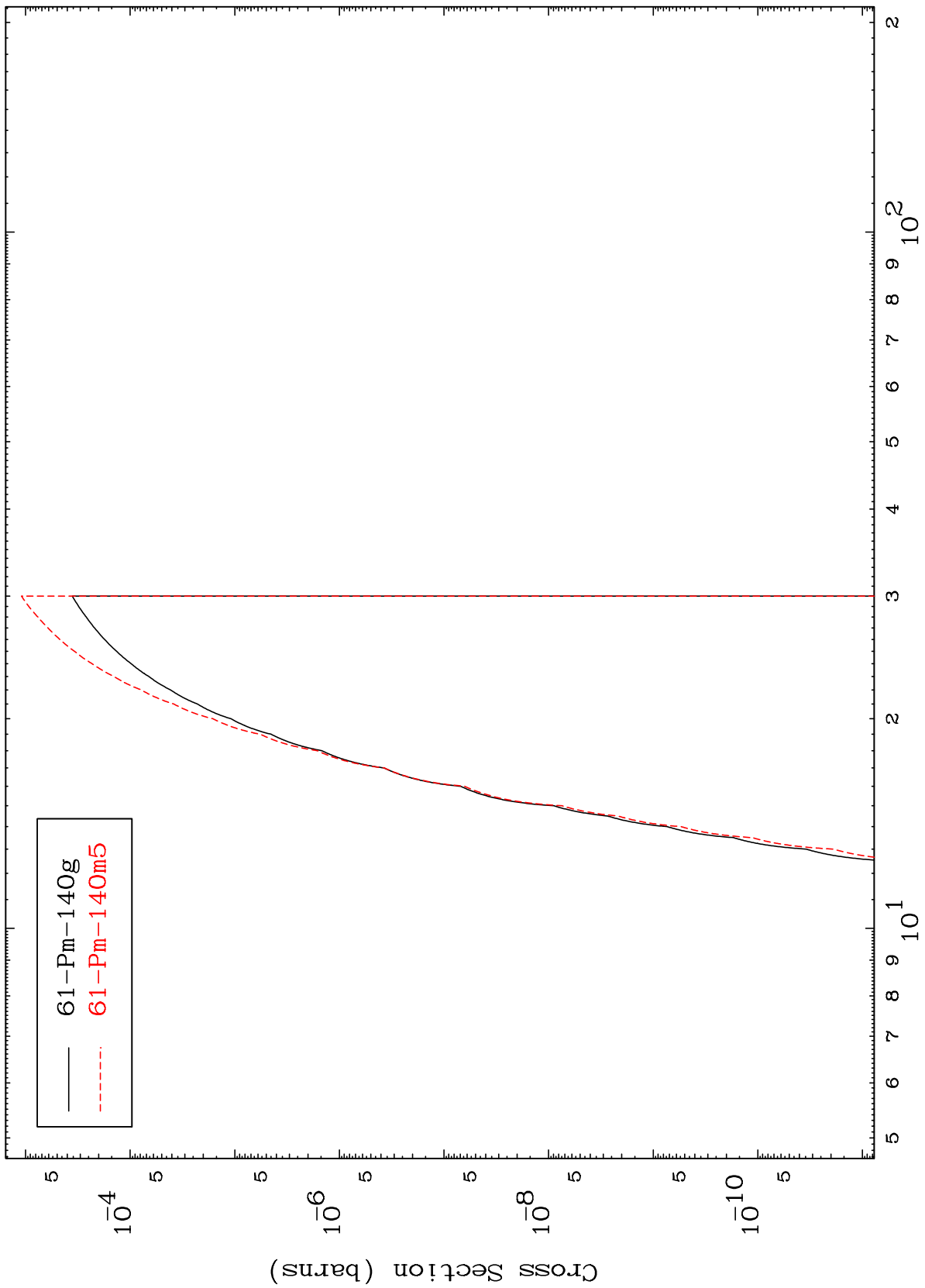
63-Eu-142

MAT 6299

(n,p) d

63-Eu-142

Radionuclide Production Cross Section



33

Incident Energy (MeV)

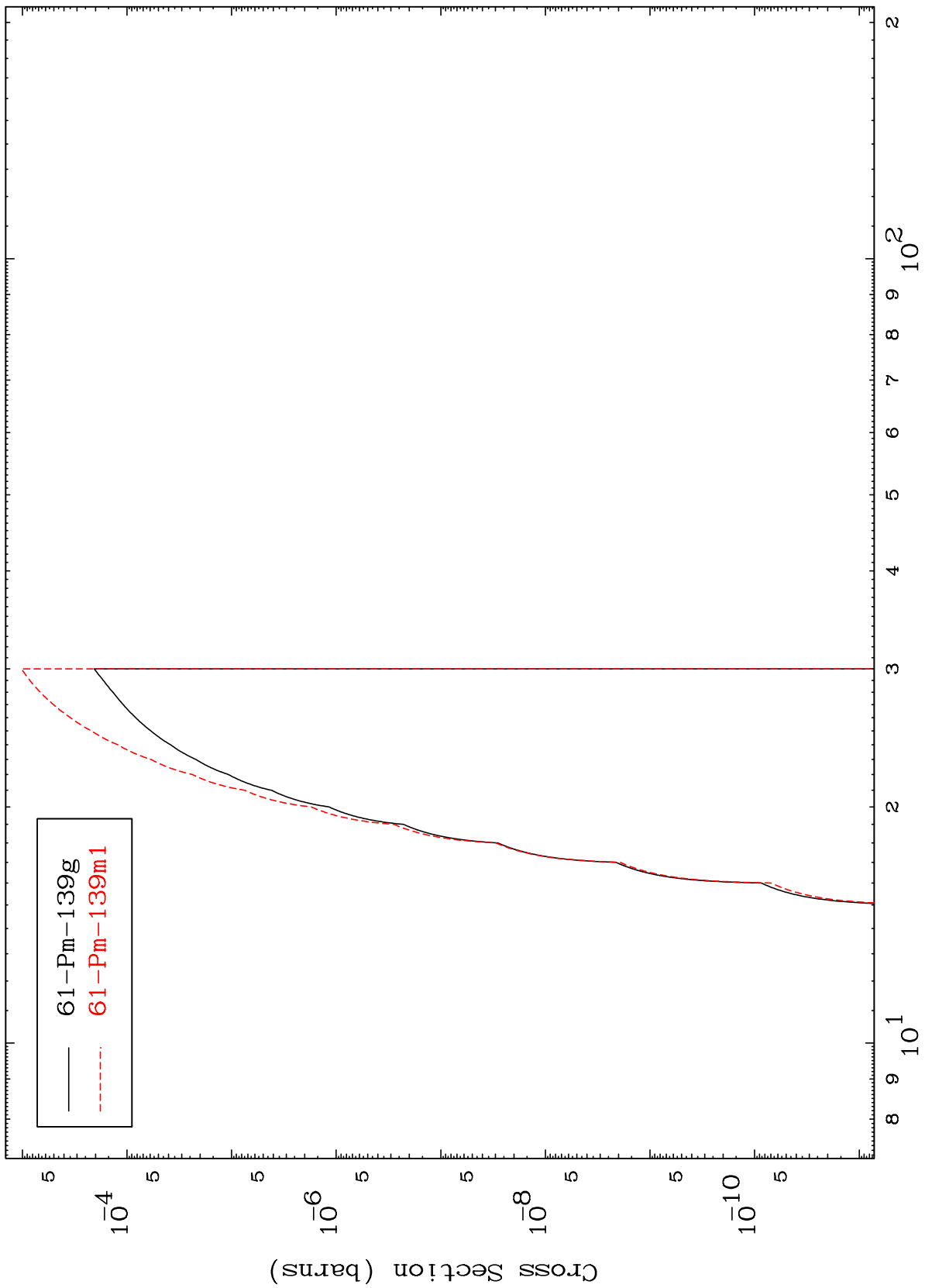
63-Eu-142

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

