

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

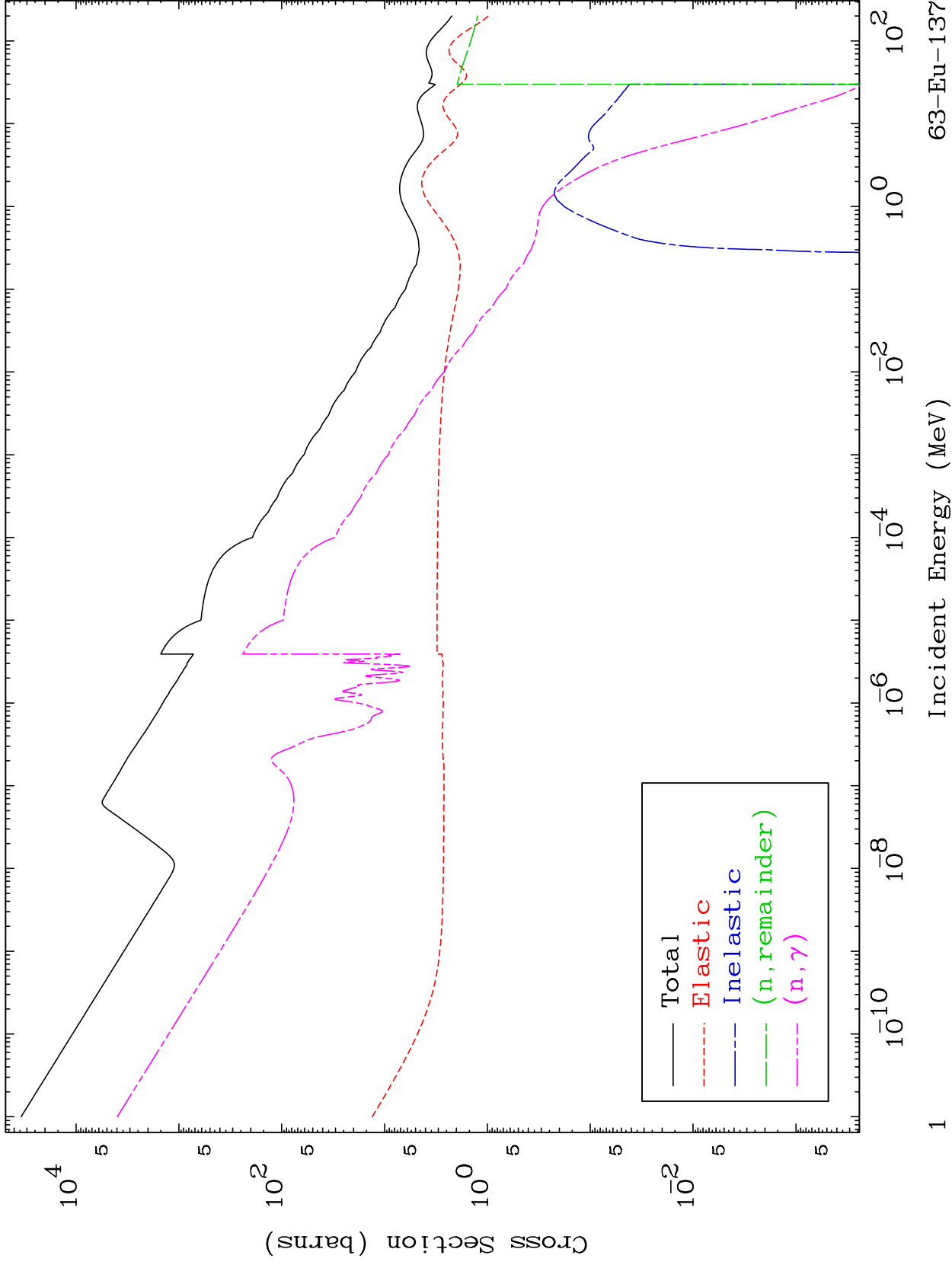
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6283

Major
293 Kelvin Cross Sections

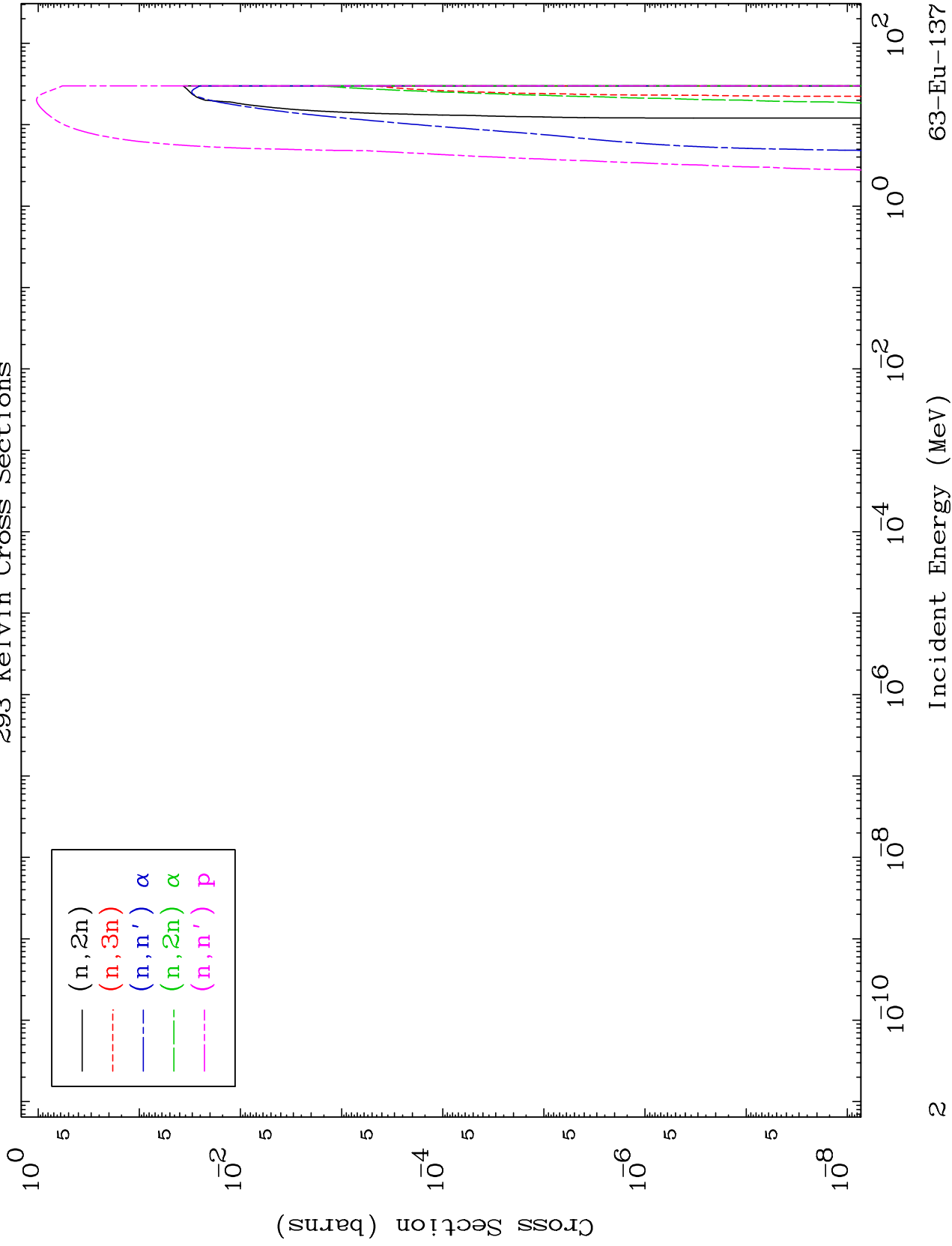
63-Eu-137



MAT 6283

Neutron Production
293 Kelvin Cross Sections

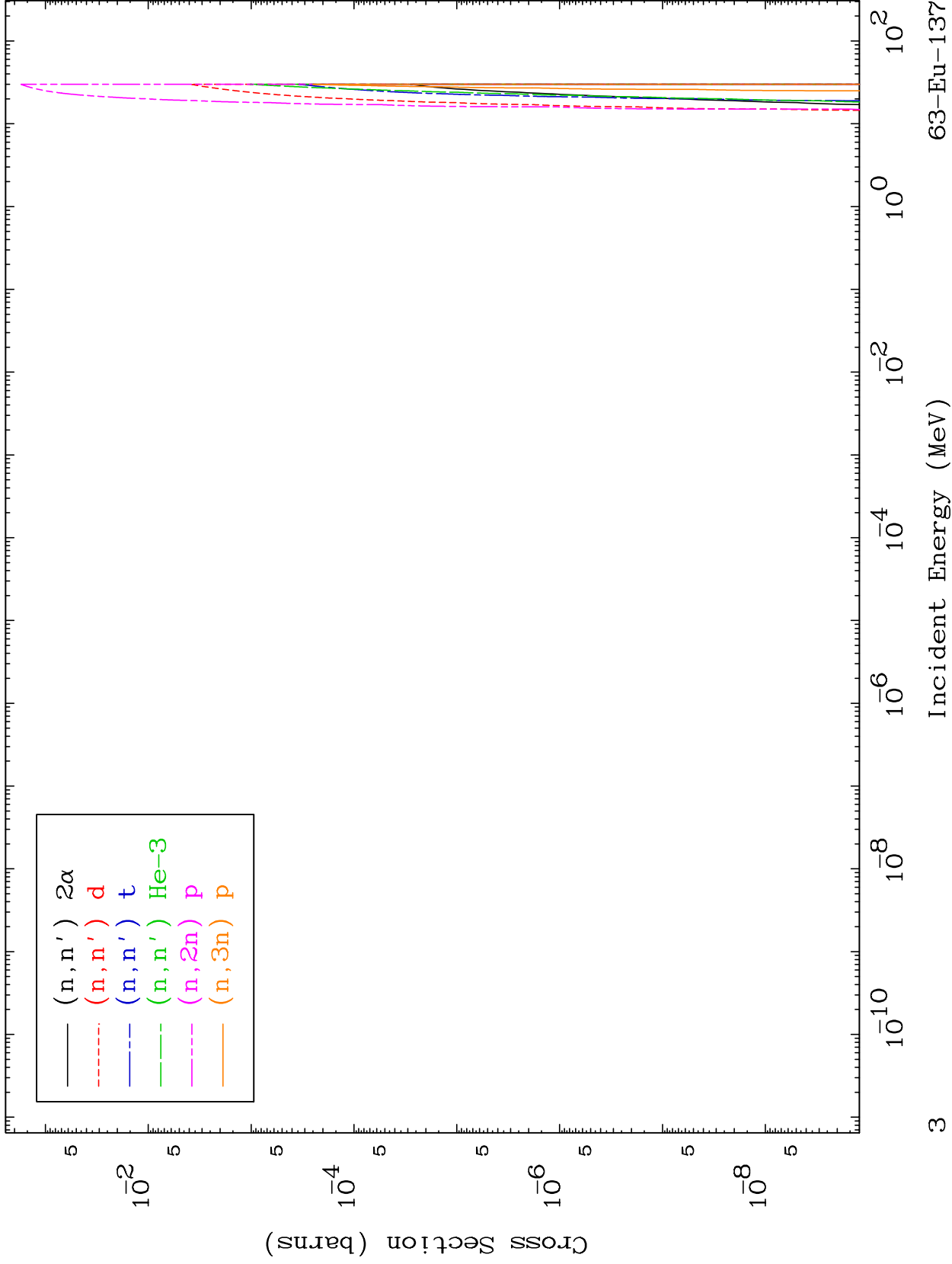
63-Eu-137



MAT 6283

Neutron Production
293 Kelvin Cross Sections

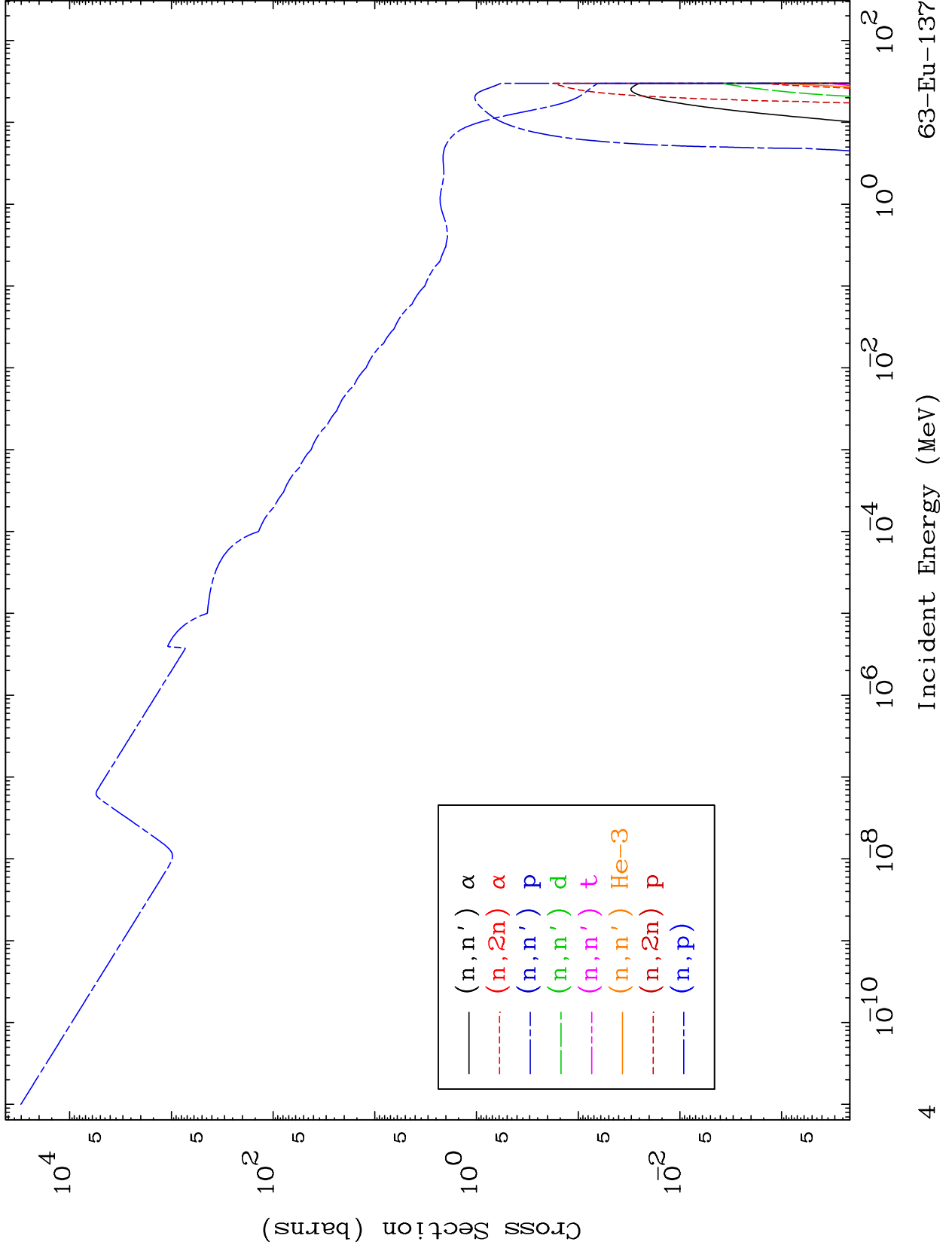
63-Eu-137



MAT 6283

Charged Particle
293 Kelvin Cross Sections

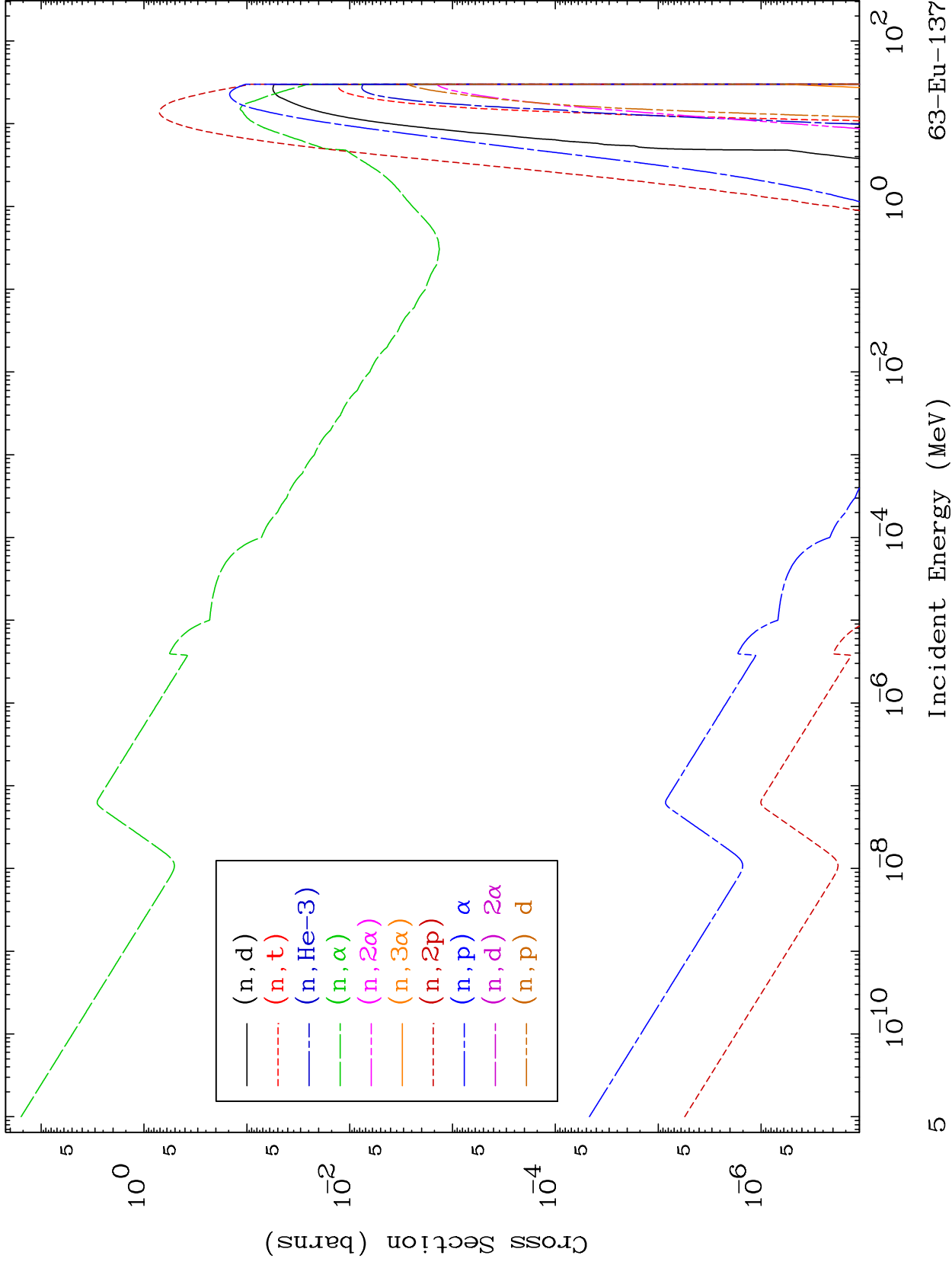
63-Eu-137

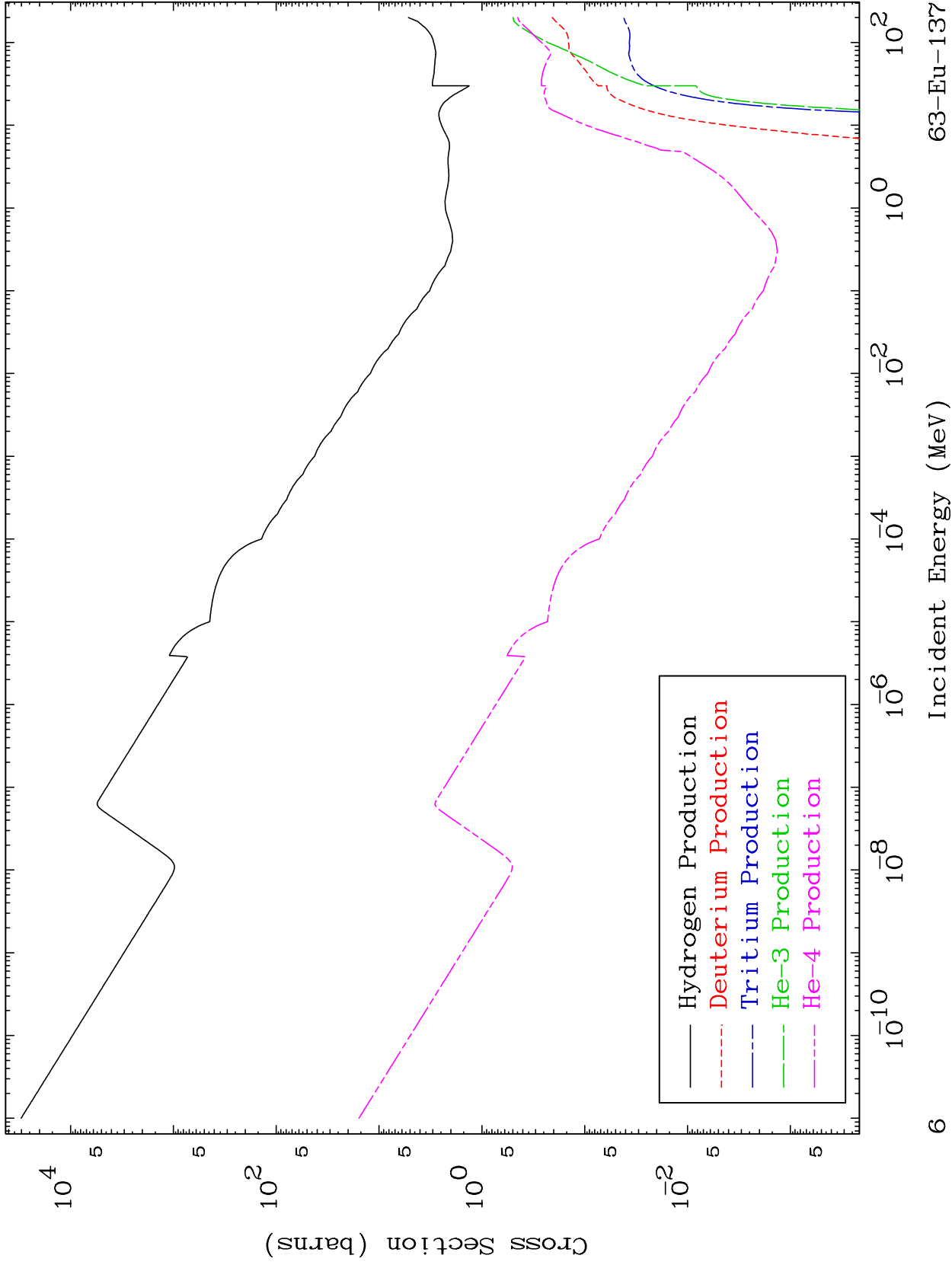


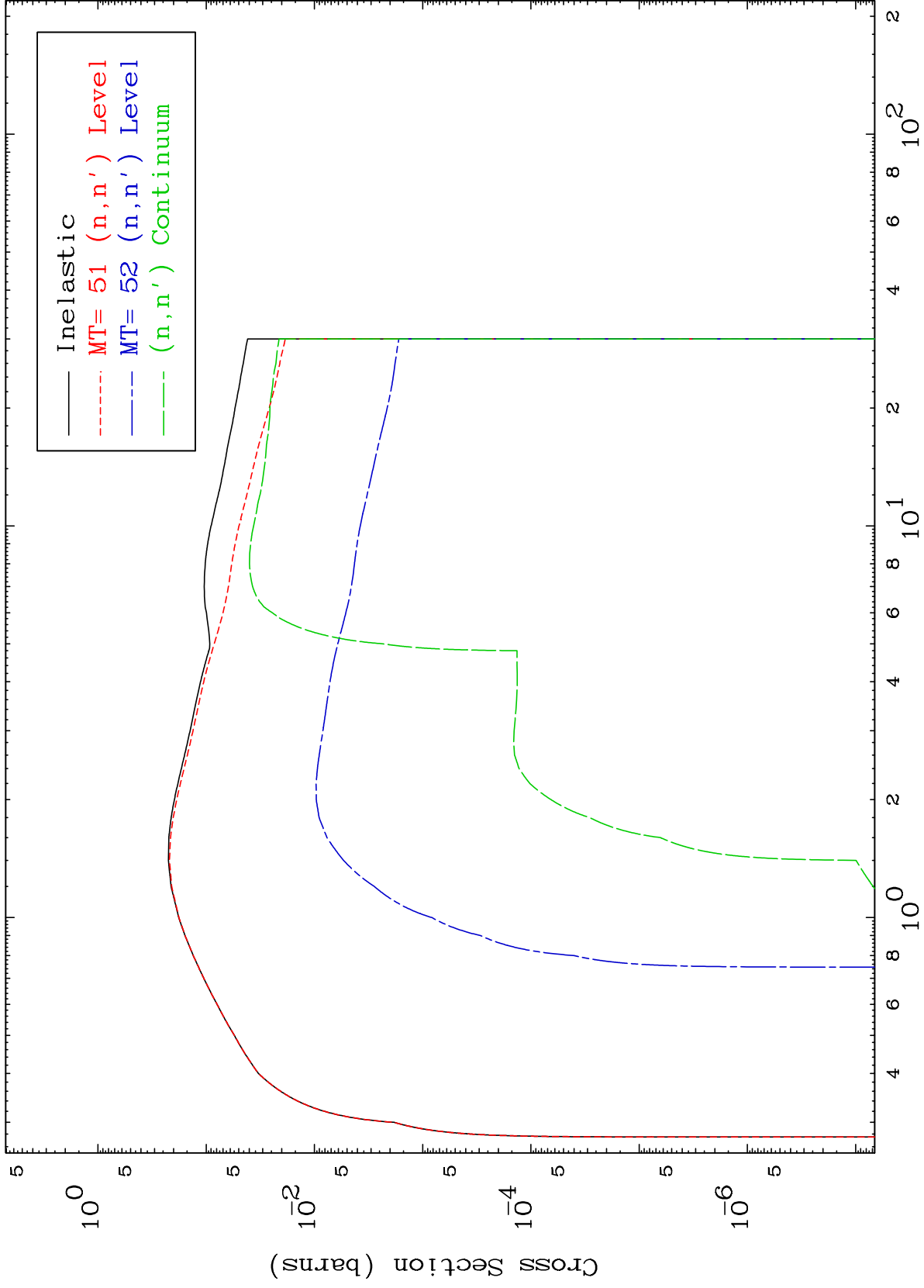
MAT 6283

Charged Particle
293 Kelvin Cross Sections

63-Eu-137



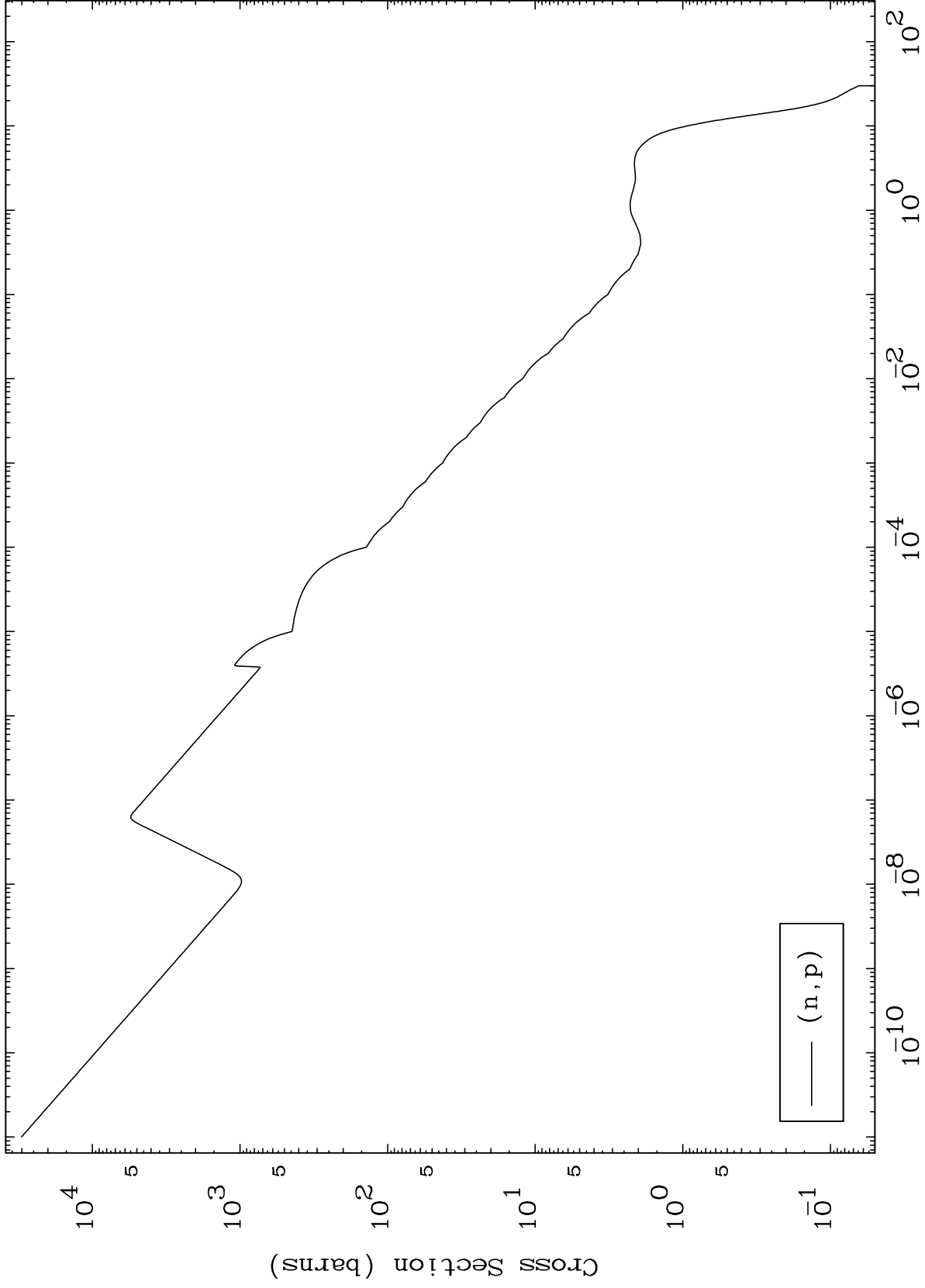




MAT 6283

(n,p) Levels
293 Kelvin Cross Sections

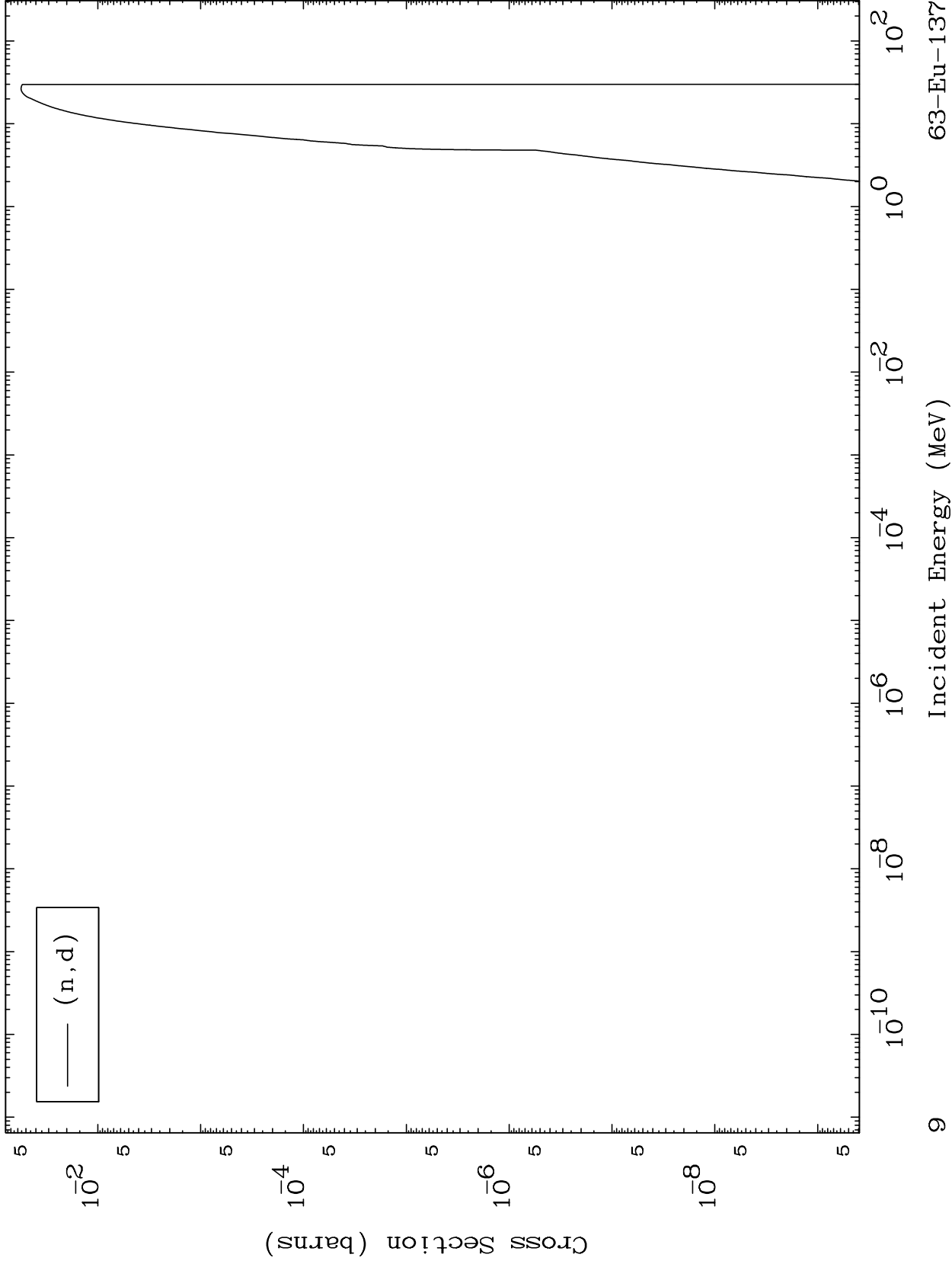
63-Eu-137



MAT 6283

(n,d) Levels
293 Kelvin Cross Sections

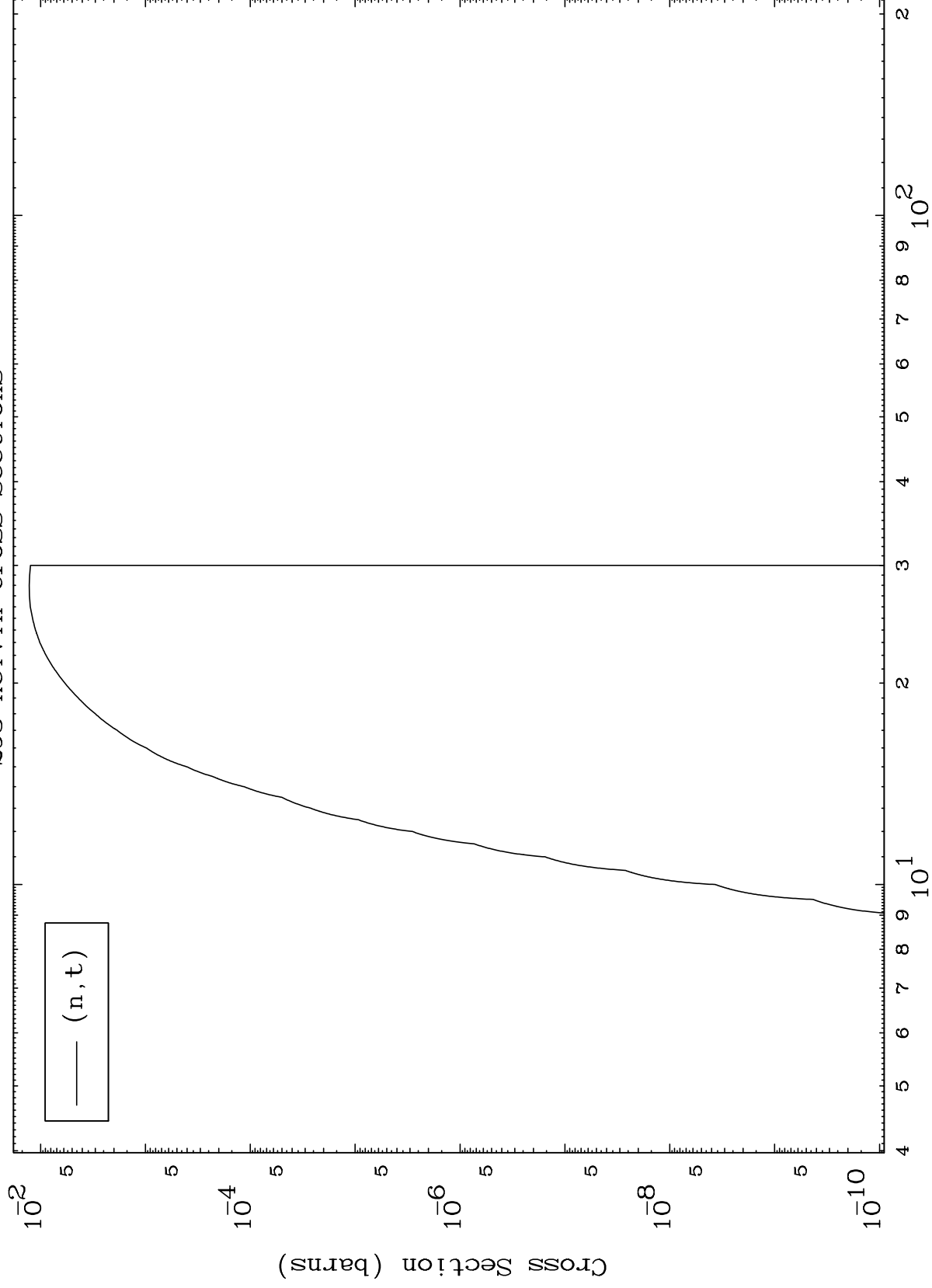
63-Eu-137



MAT 6283

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-137



Incident Energy (MeV)

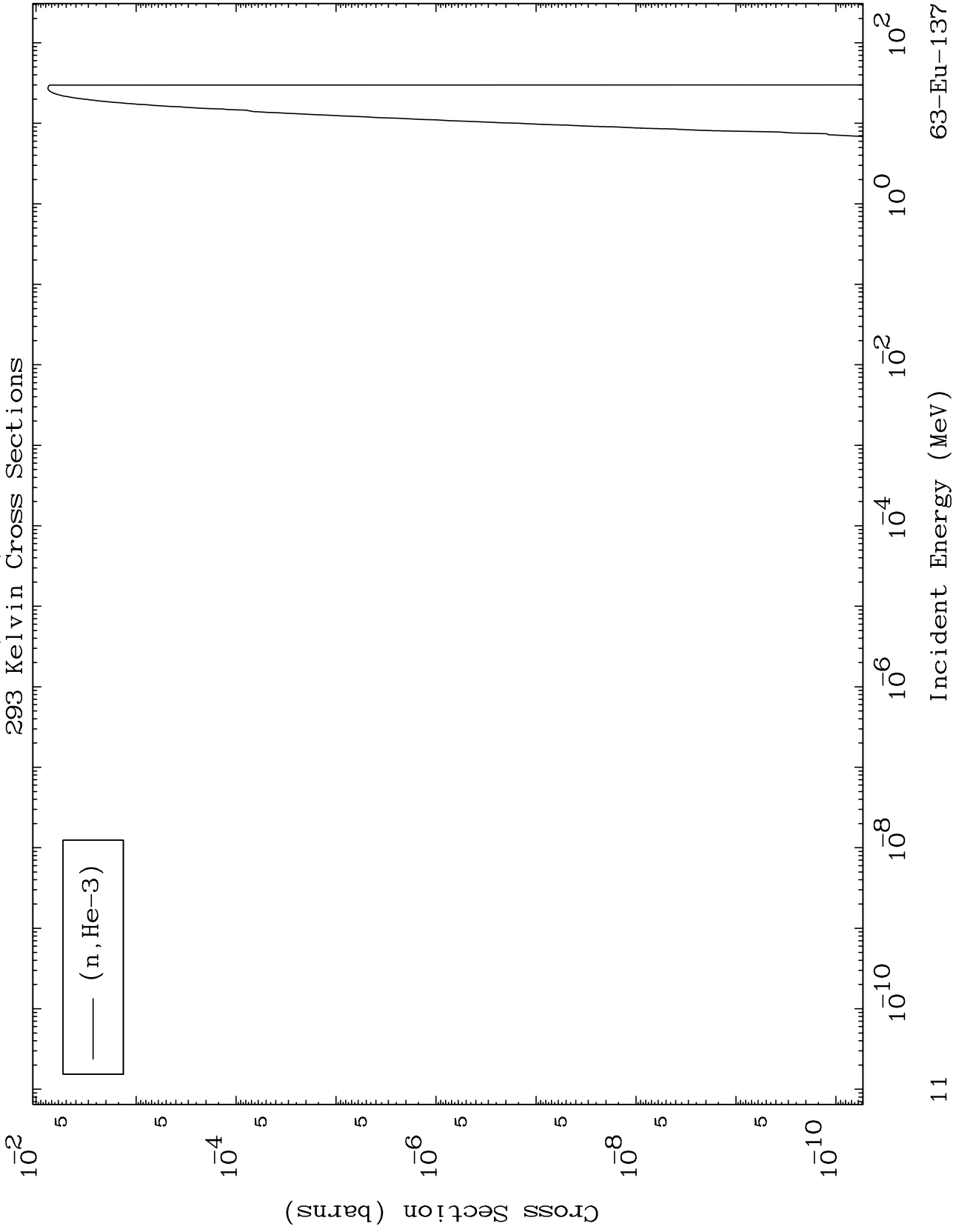
63-Eu-137

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MAT 6283

(n,He3) Levels
293 Kelvin Cross Sections

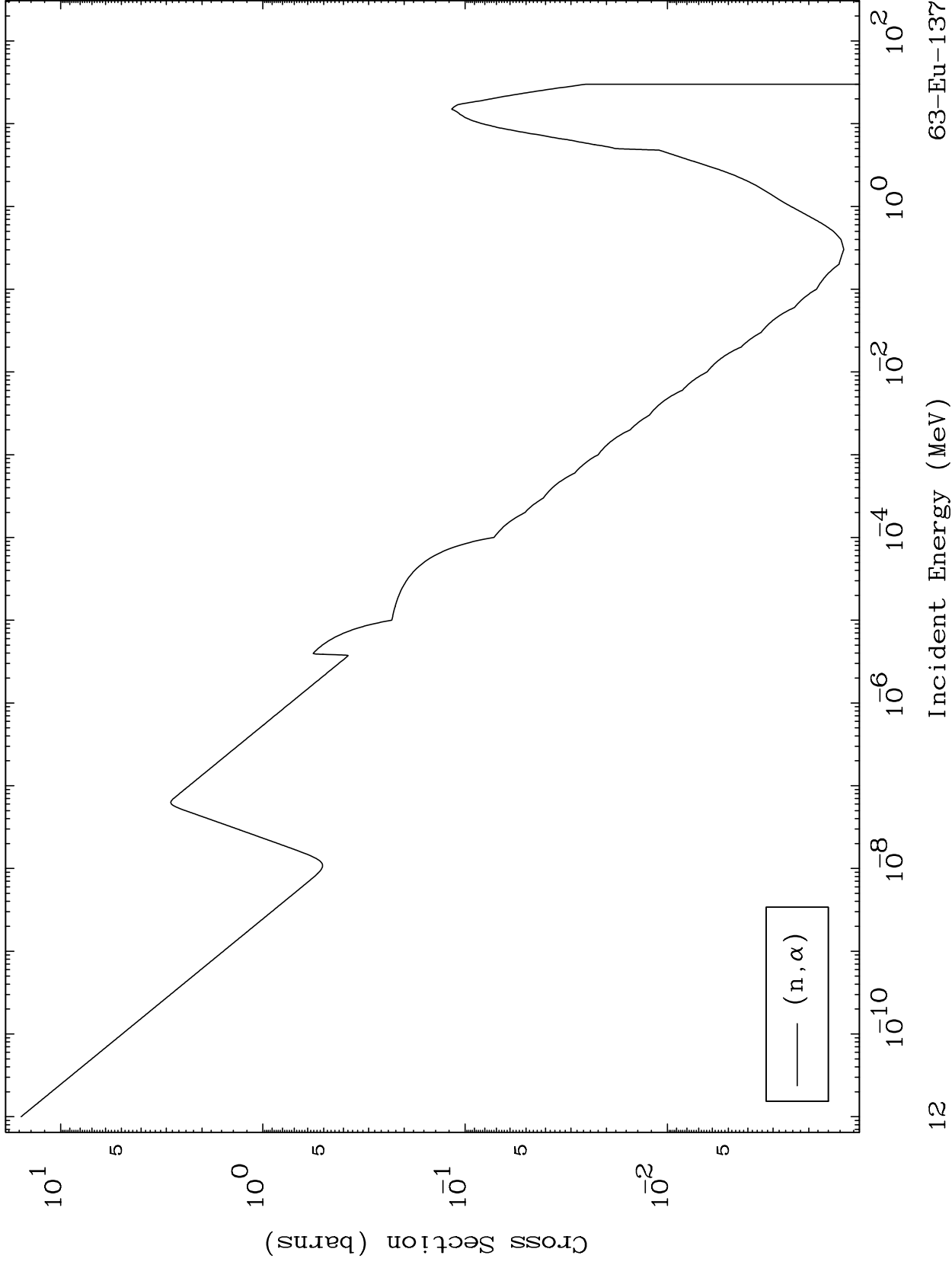
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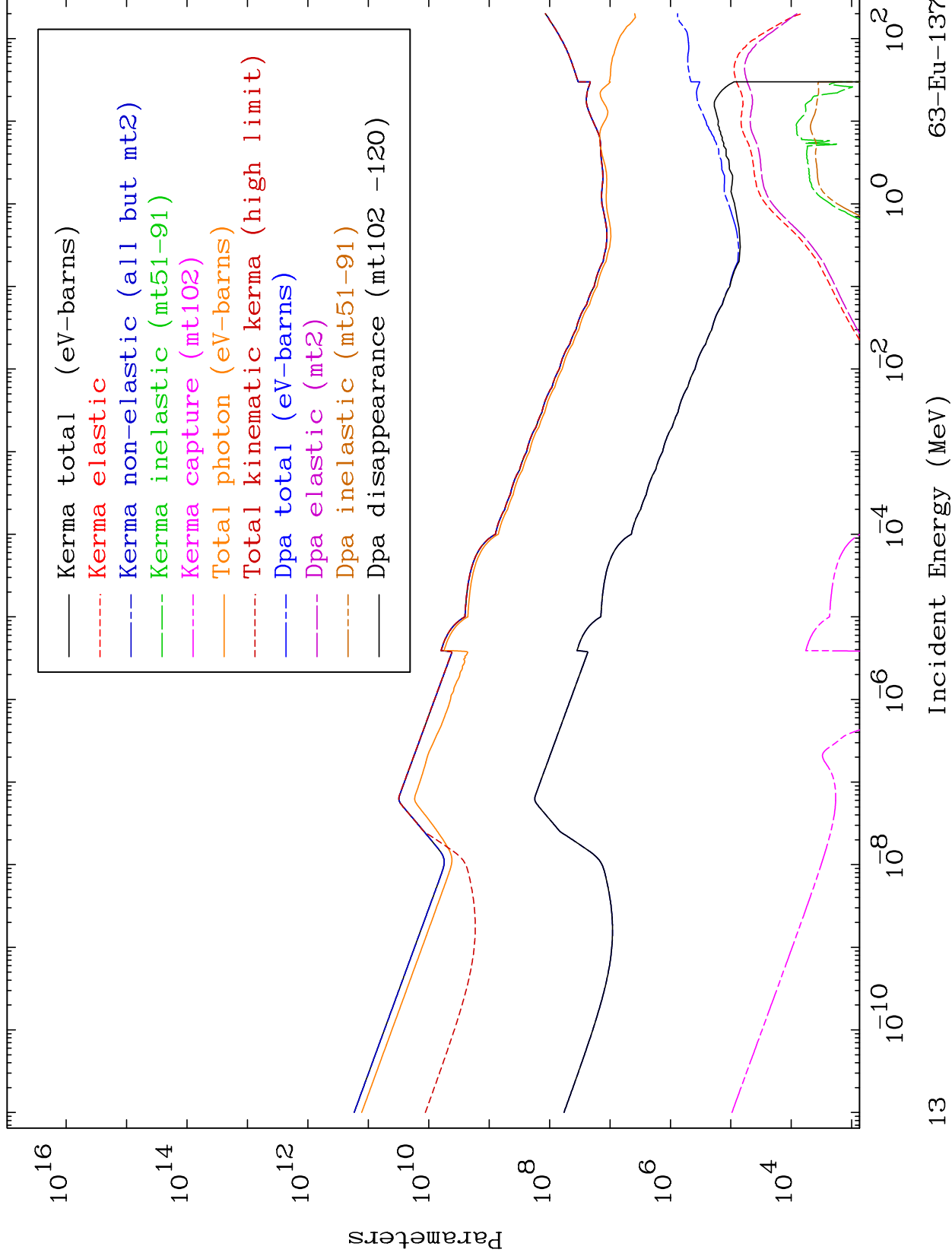


MAT 6283

(n, α) Levels
293 Kelvin Cross Sections

63-Eu-137

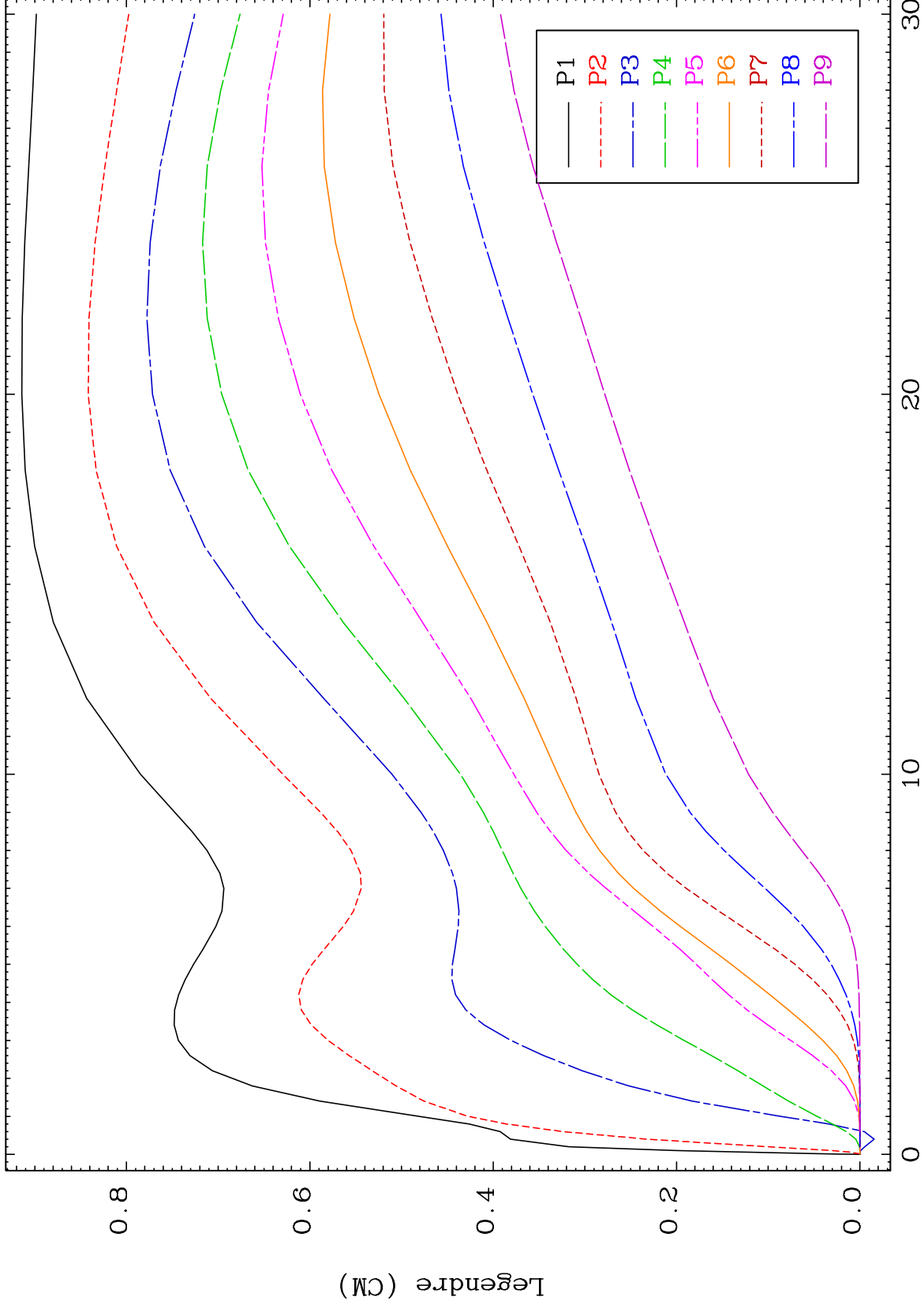




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Elastic Legendre Coefficients

63-Eu-137



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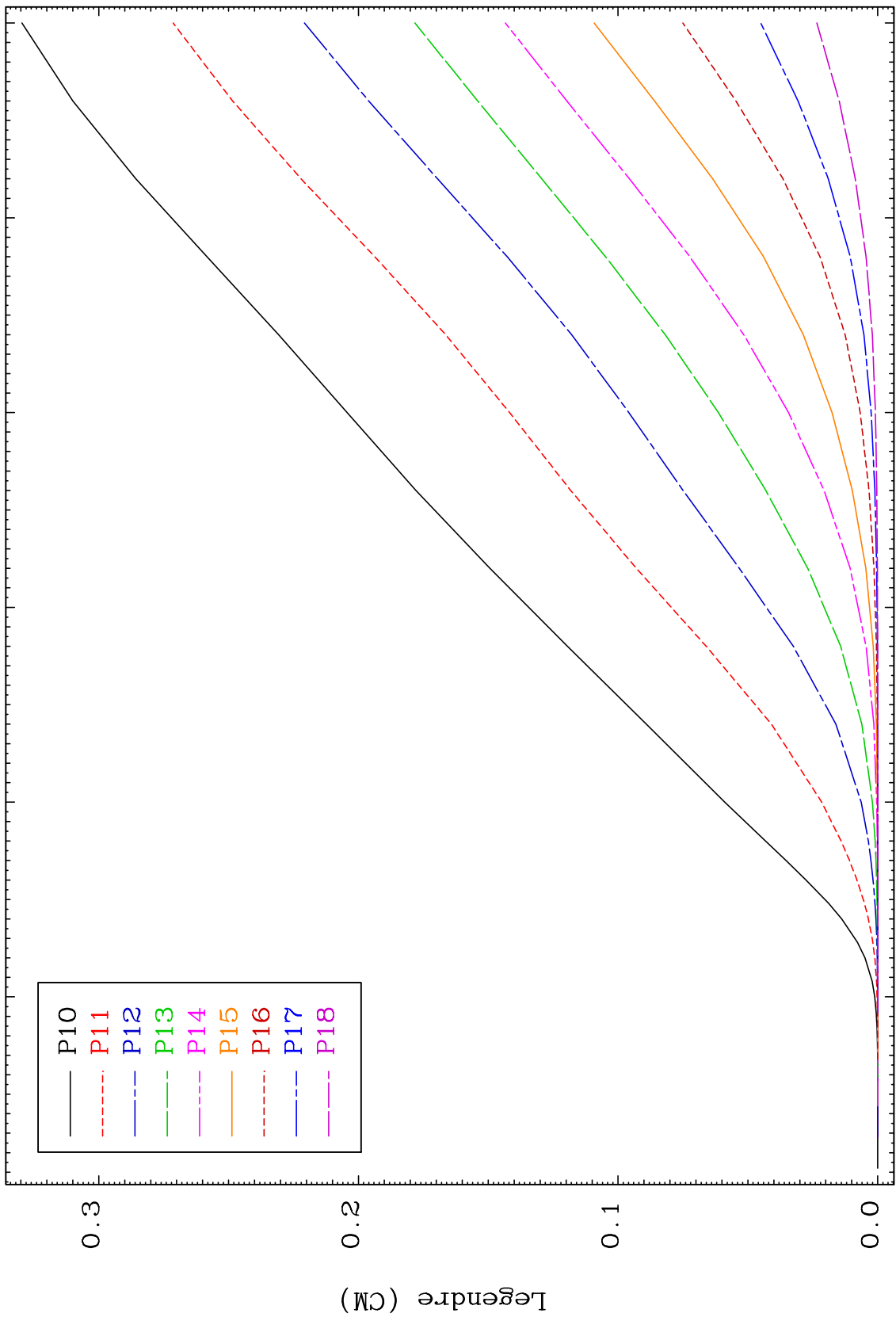
Incident Energy (MeV)

63-Eu-137

MAT 6283

Elastic Legendre Coefficients

63-Eu-137



15

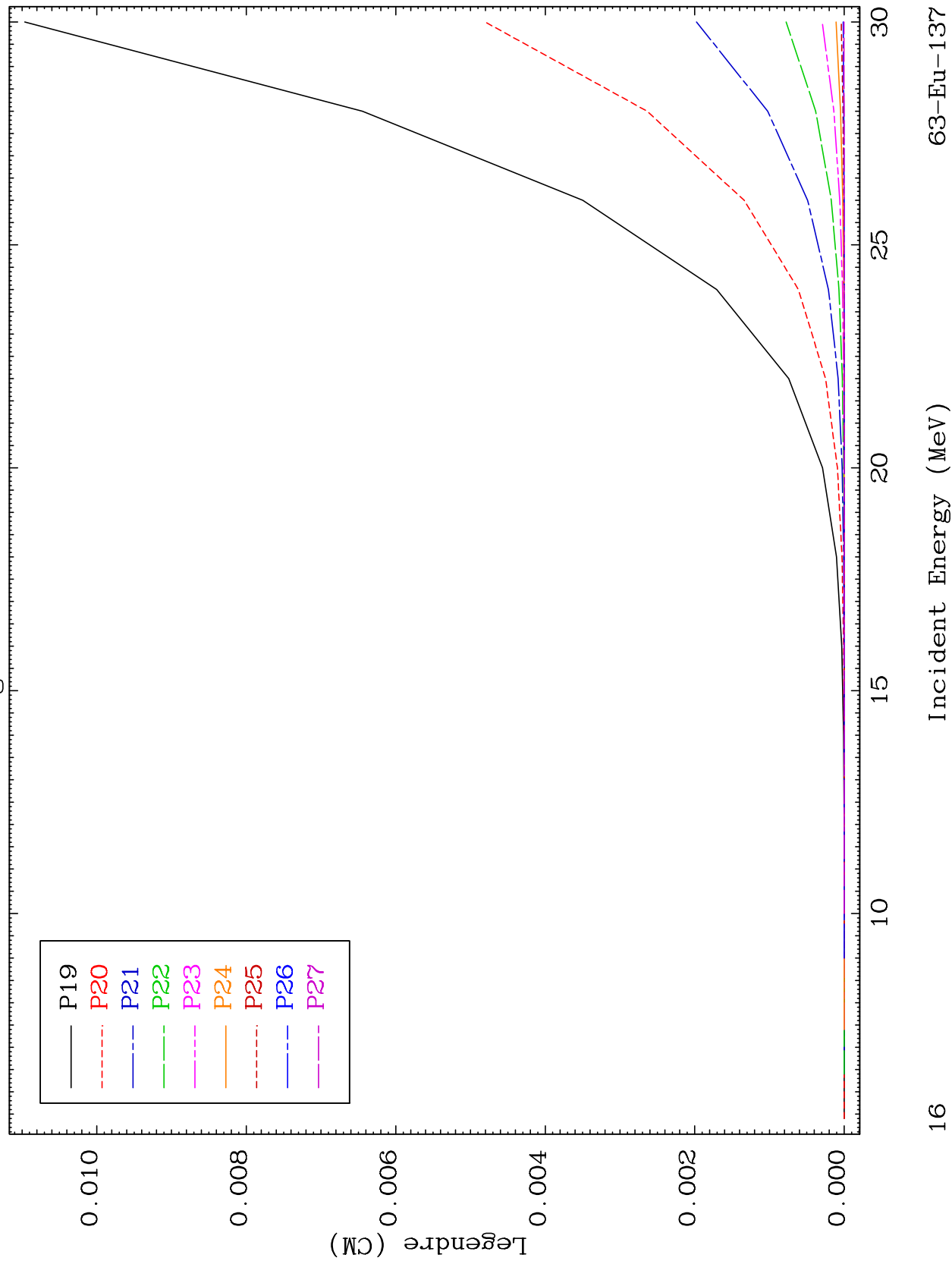
Incident Energy (MeV)

63-Eu-137

MAT 6283

Elastic Legendre Coefficients

63-Eu-137



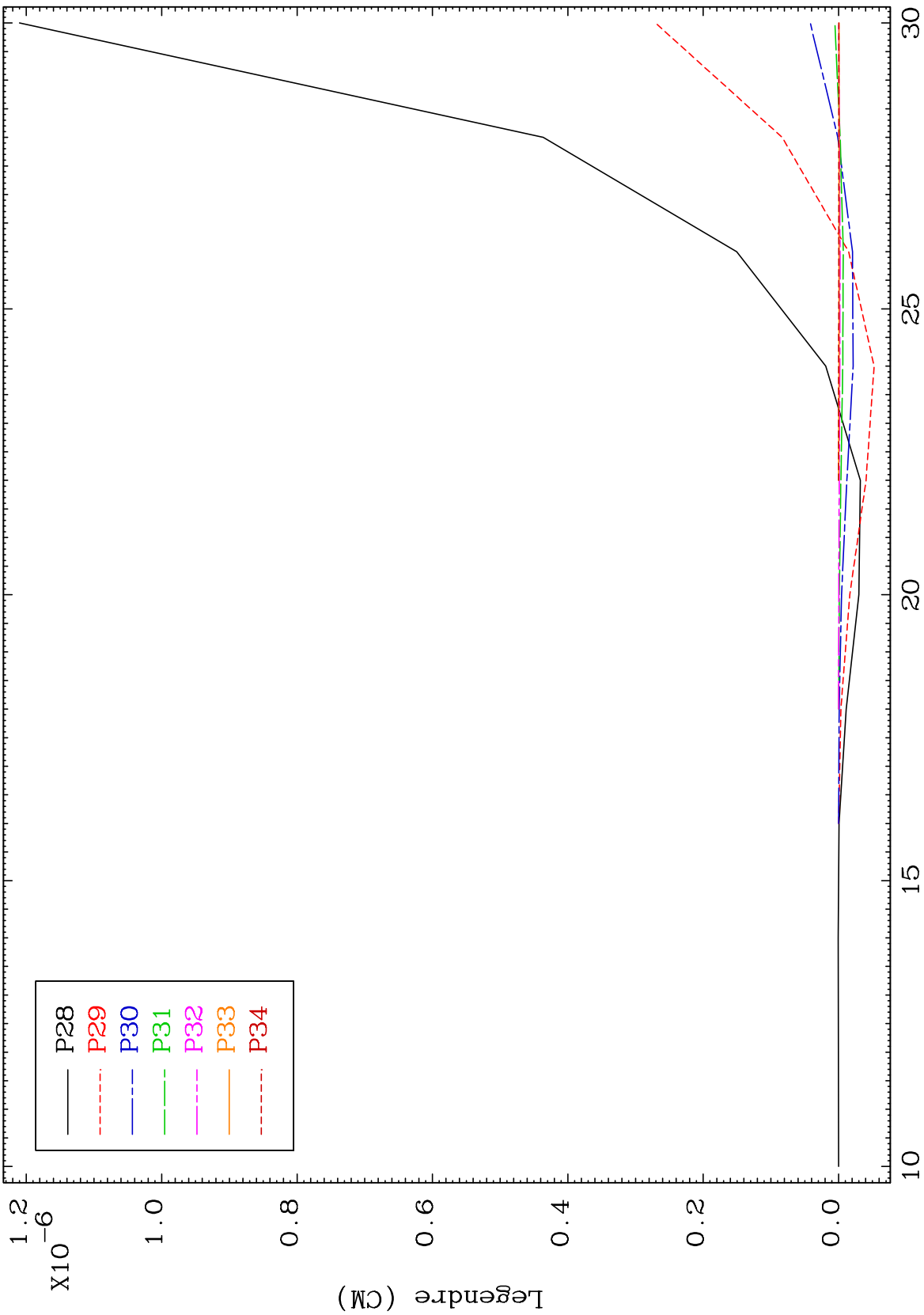
16

63-Eu-137

MAT 6283

Elastic Legendre Coefficients

63-Eu-137



17

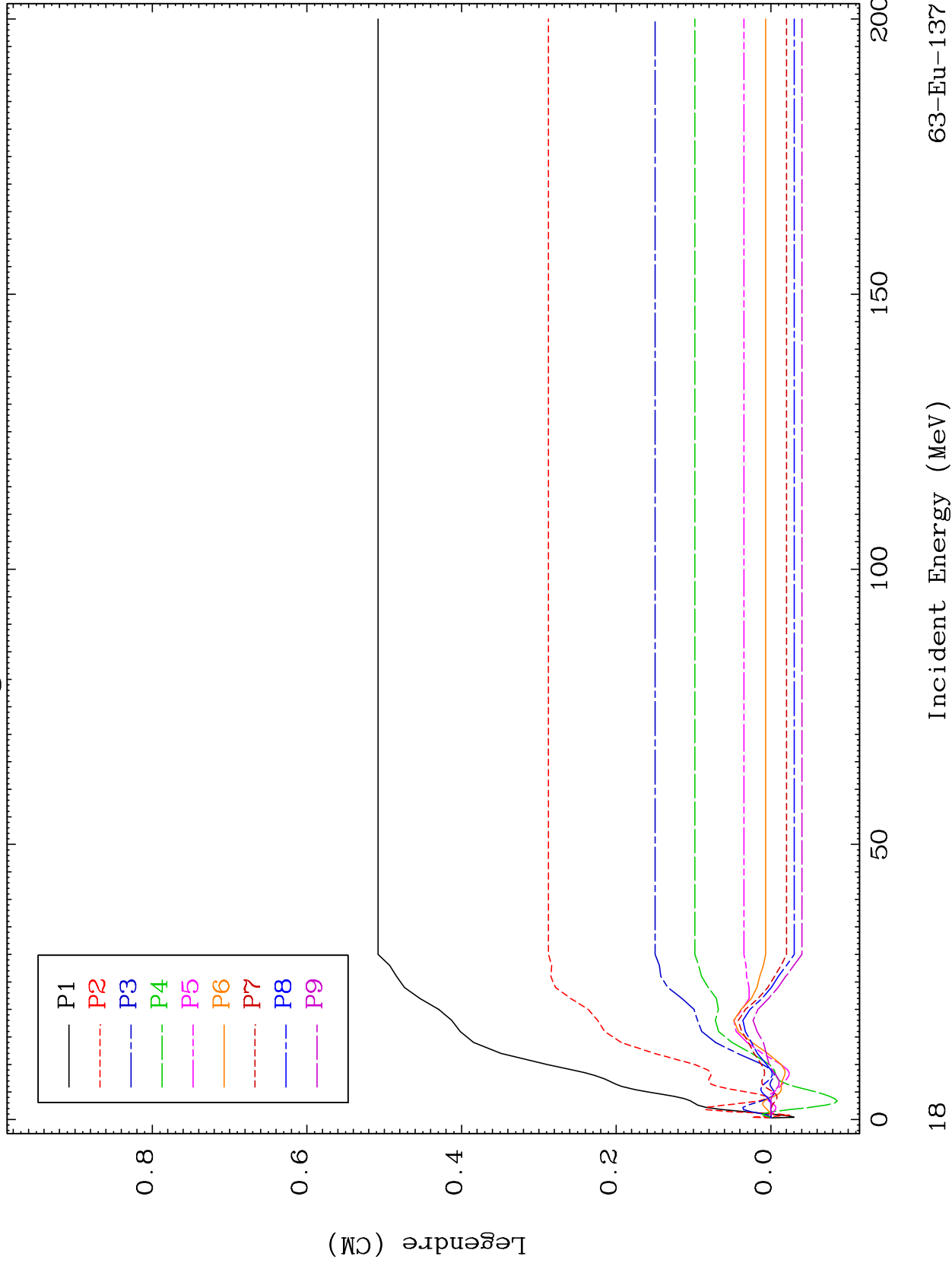
Incident Energy (MeV)

63-Eu-137

MAT 6283

MT= 51 (n,n') Level
Legendre Coefficients

63-Eu-137



63-Eu-137

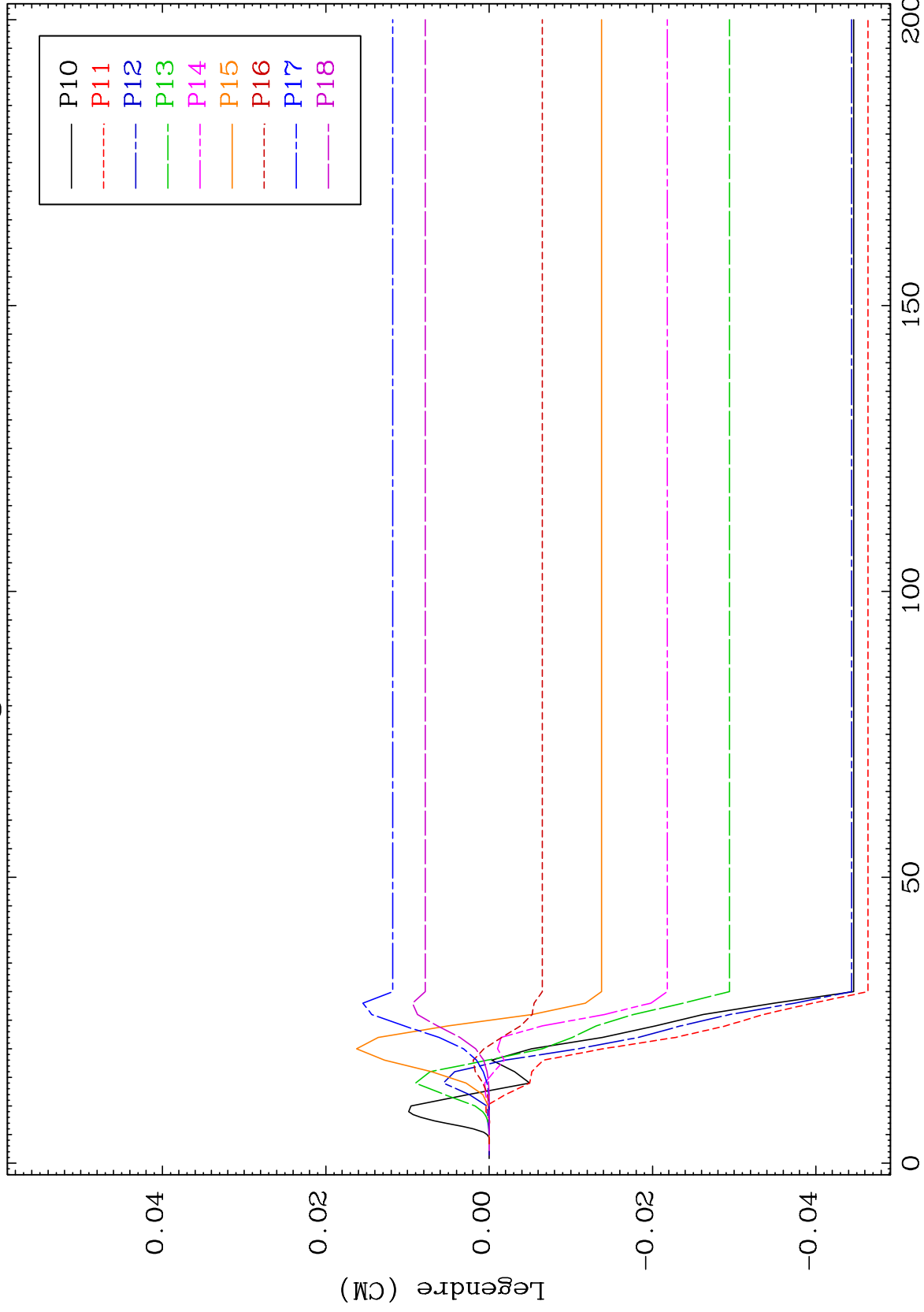
Incident Energy (MeV)

18

MAT 6283

MT= 51 (n,n') Level
Legendre Coefficients

63-Eu-137



19

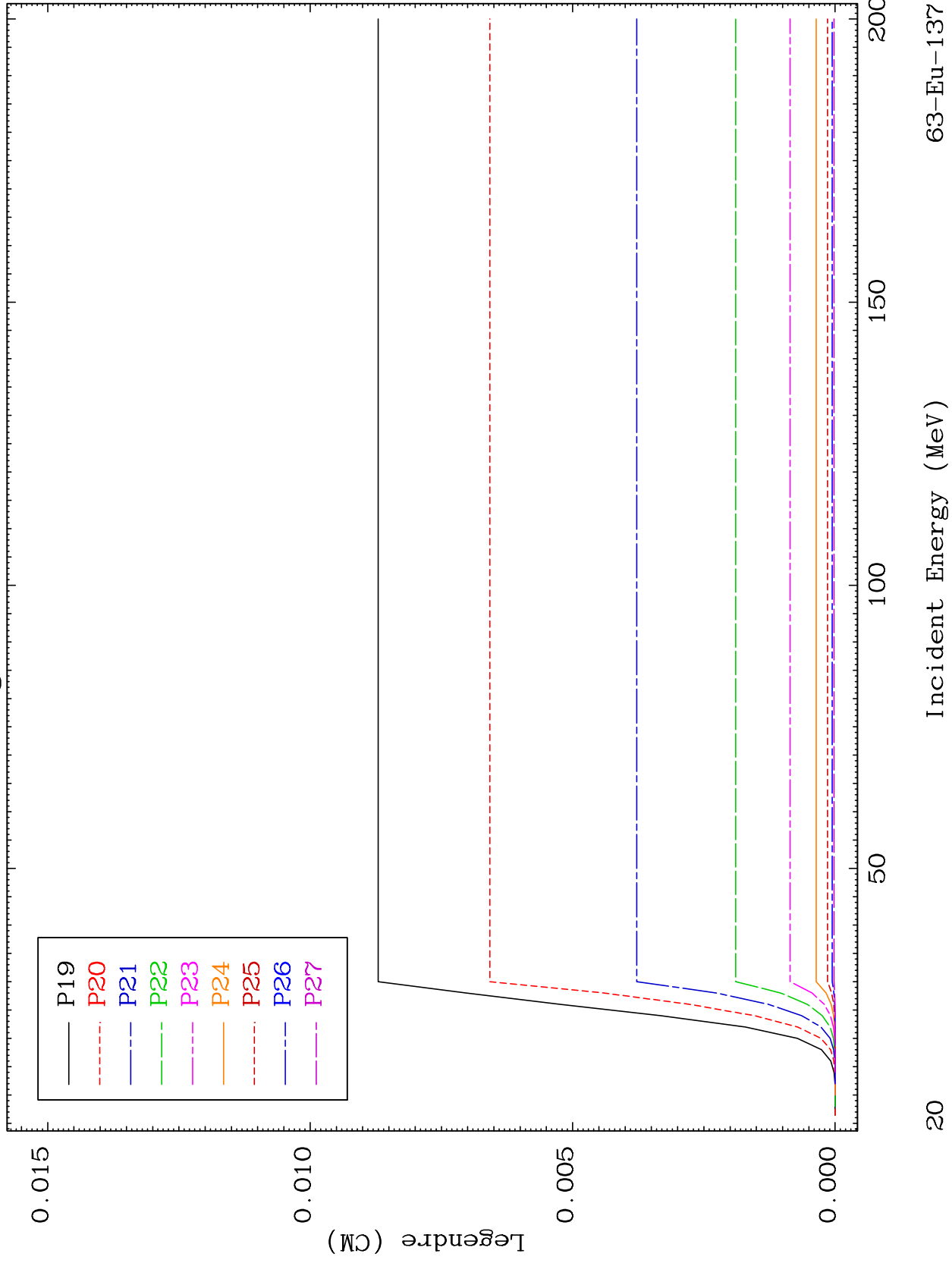
Incident Energy (MeV)

63-Eu-137

MAT 6283

MT= 51 (n,n') Level
Legendre Coefficients

63-Eu-137



63-Eu-137

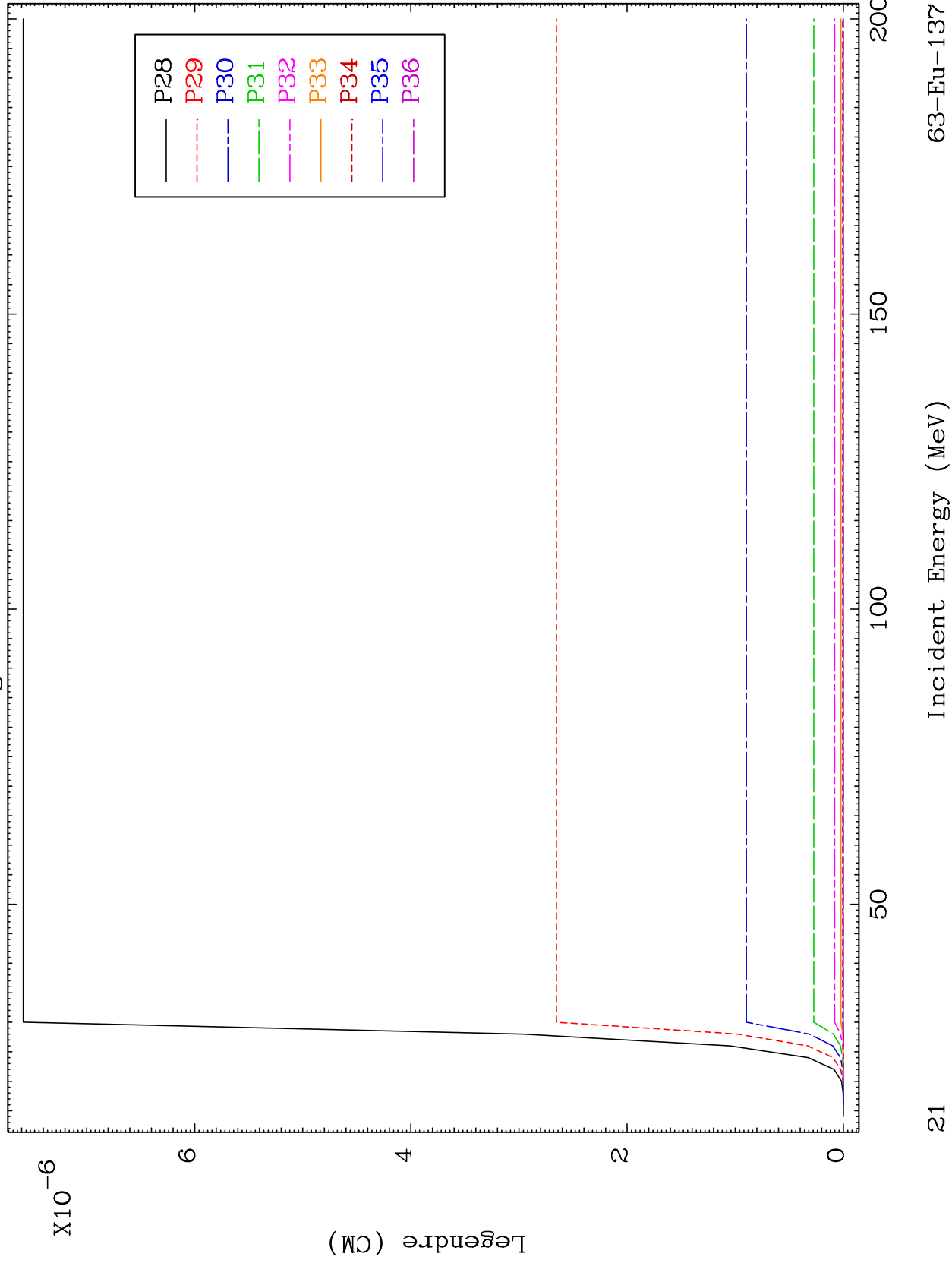
Incident Energy (MeV)

20

MAT 6283

MT= 51 (n,n') Level
Legendre Coefficients

63-Eu-137



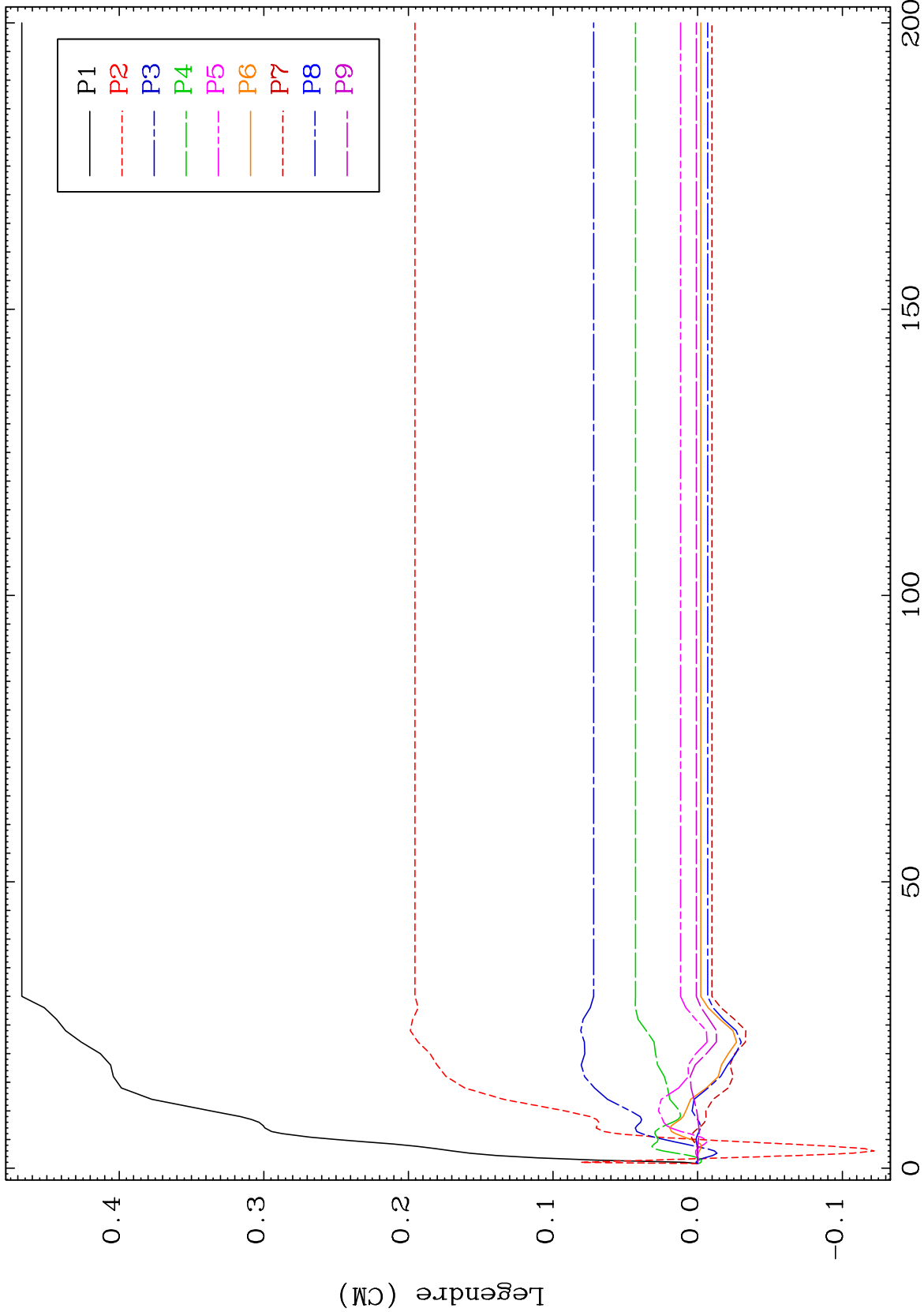
21

63-Eu-137

MAT 6283

MT= 52 (n,n') Level
Legendre Coefficients

63-Eu-137



63-Eu-137

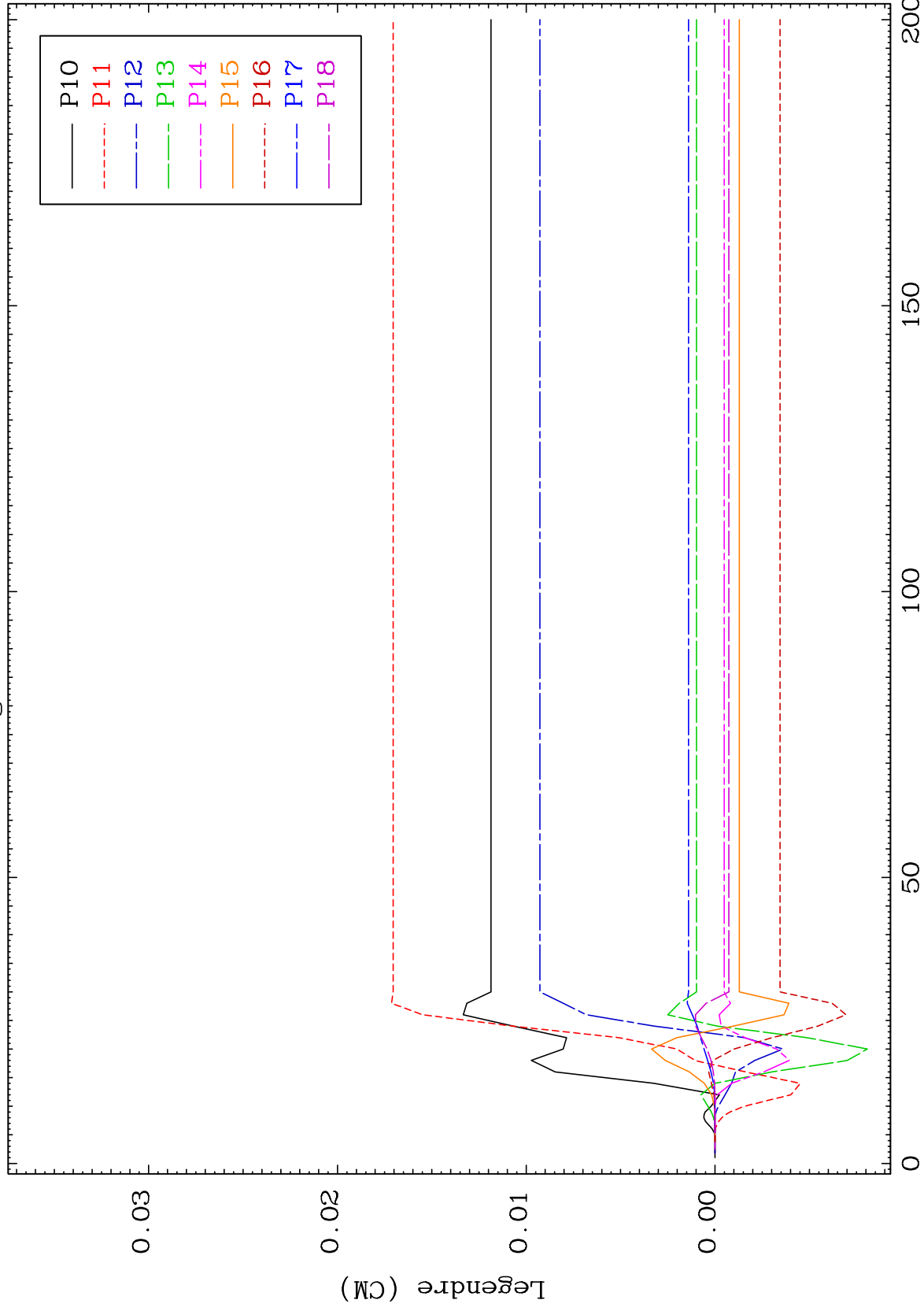
Incident Energy (MeV)

22

MAT 6283

MT= 52 (n,n') Level
Legendre Coefficients

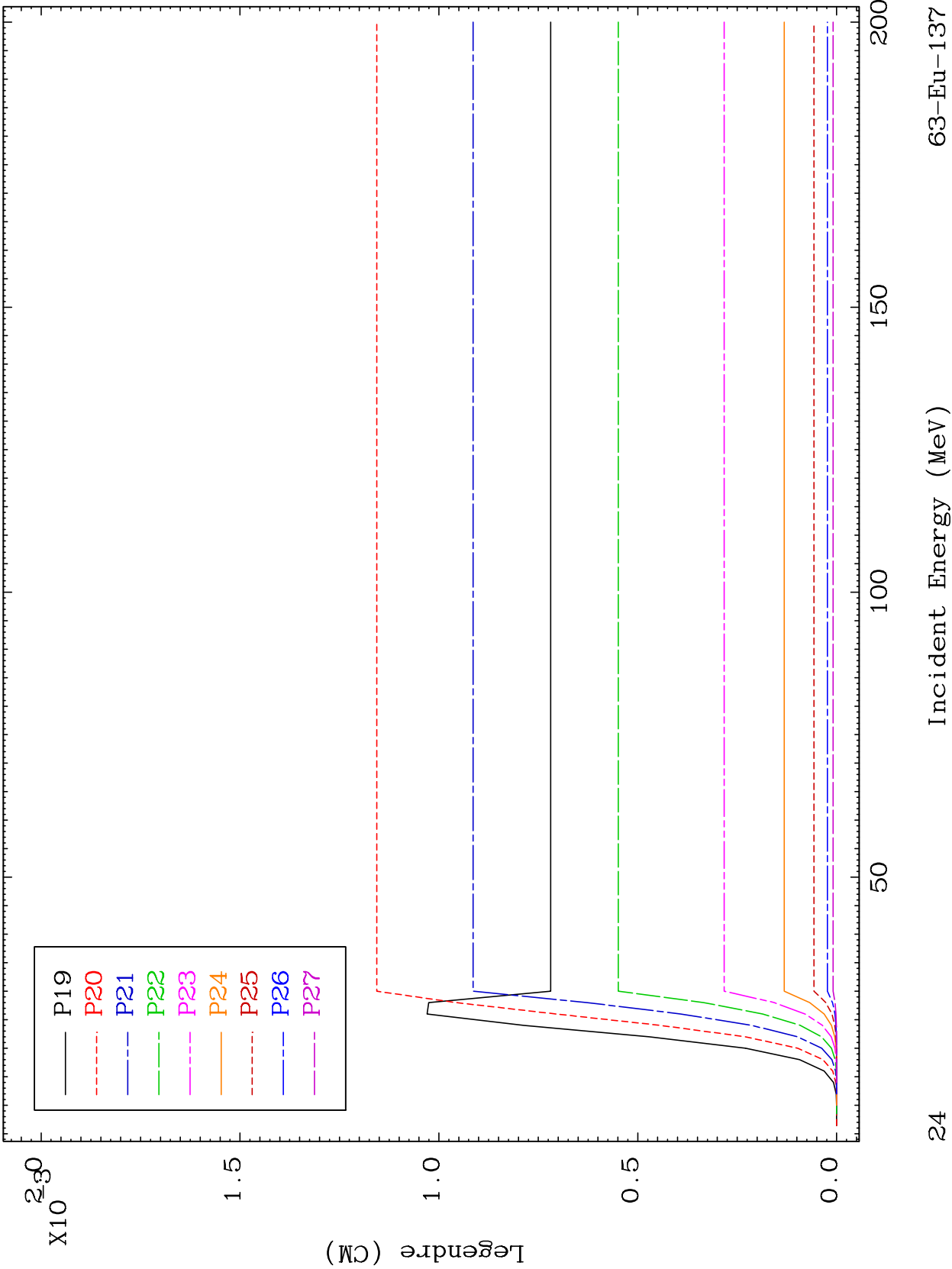
63-Eu-137



23

Incident Energy (MeV)

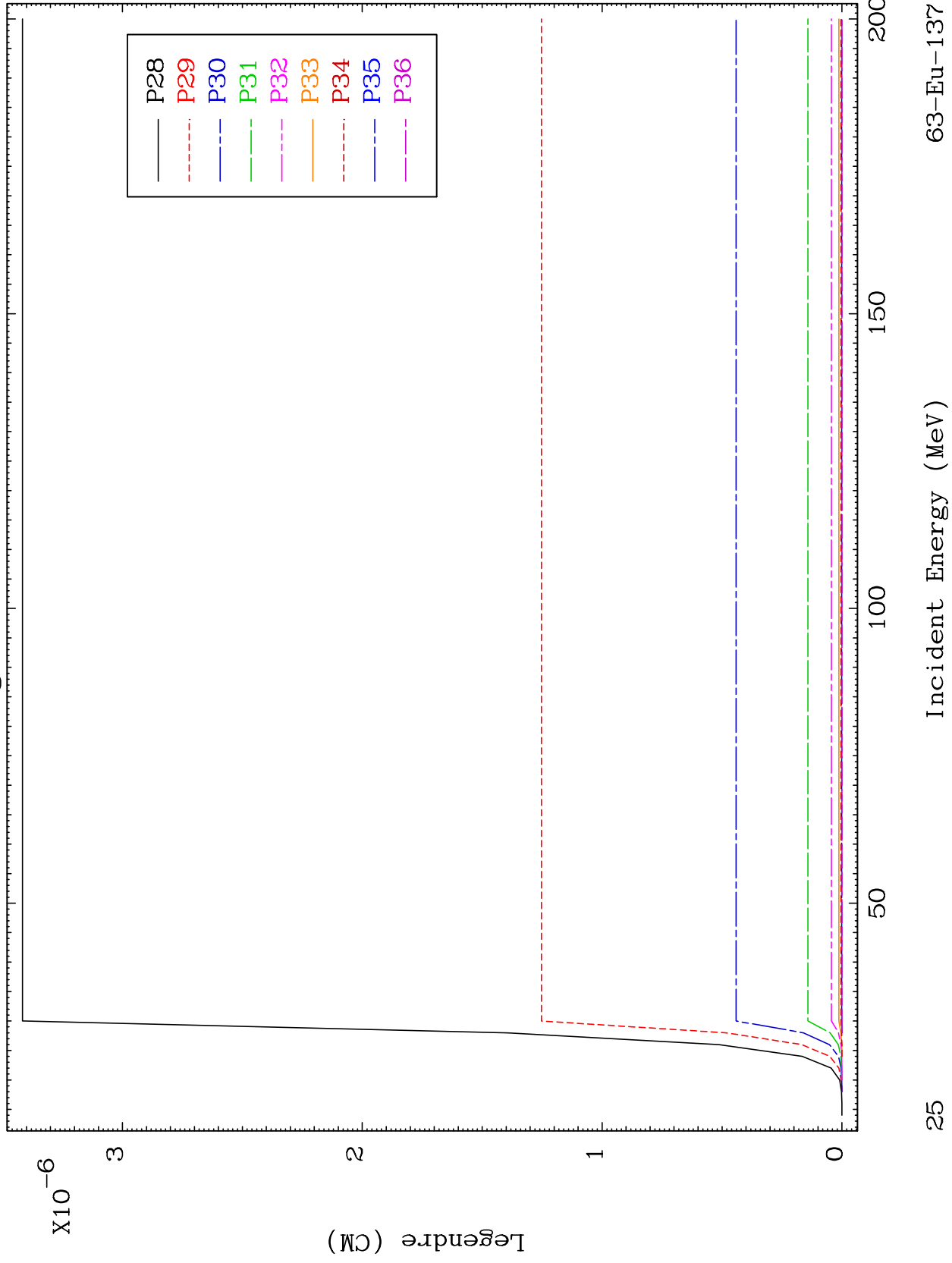
63-Eu-137



MAT 6283

MT= 52 (n,n') Level
Legendre Coefficients

63-Eu-137



25

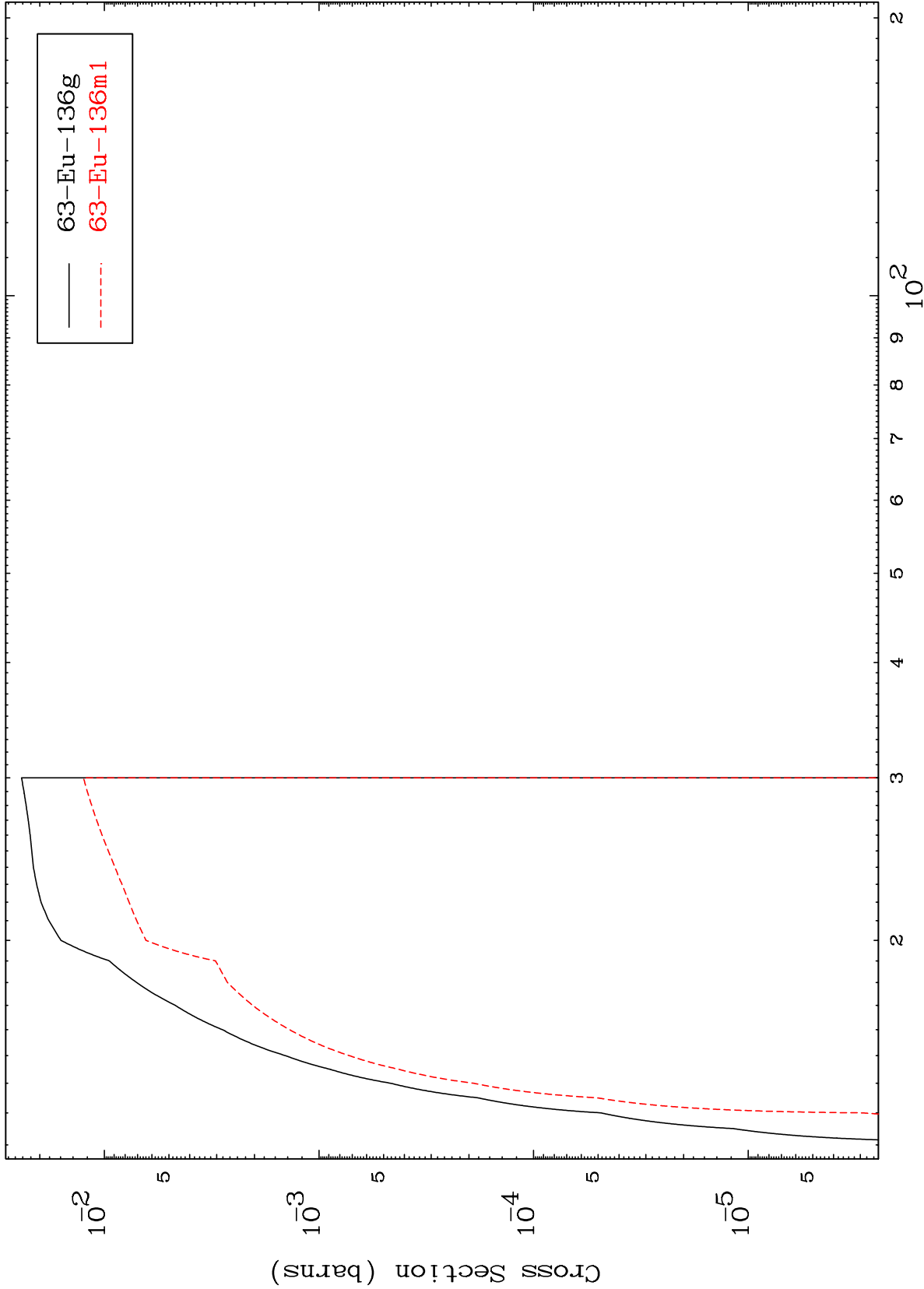
50

100

150

200

Radionuclide Production Cross Section

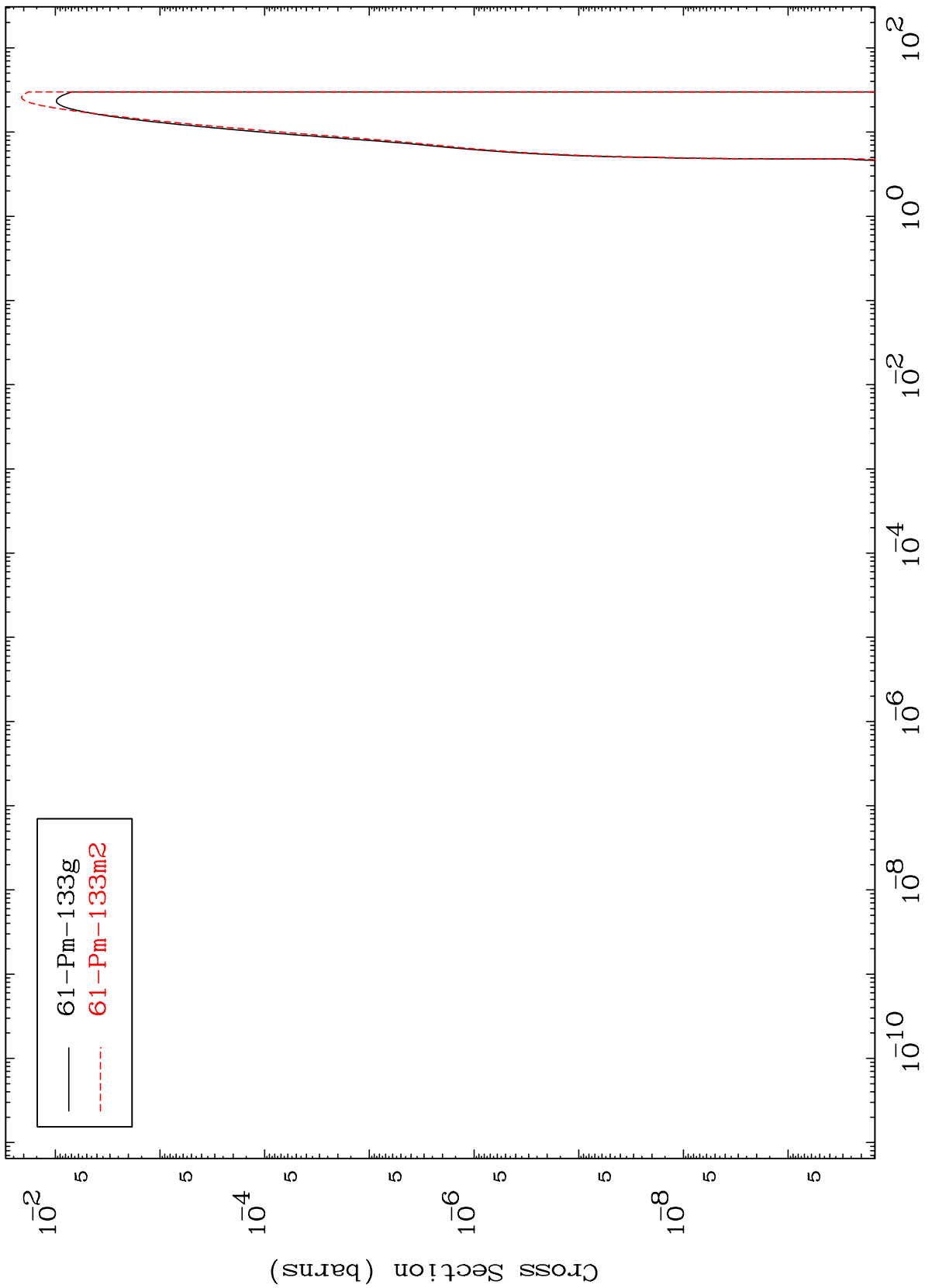


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$(n, n') \alpha$

$^{63}\text{Eu}-137$

Radionuclide Production Cross Section

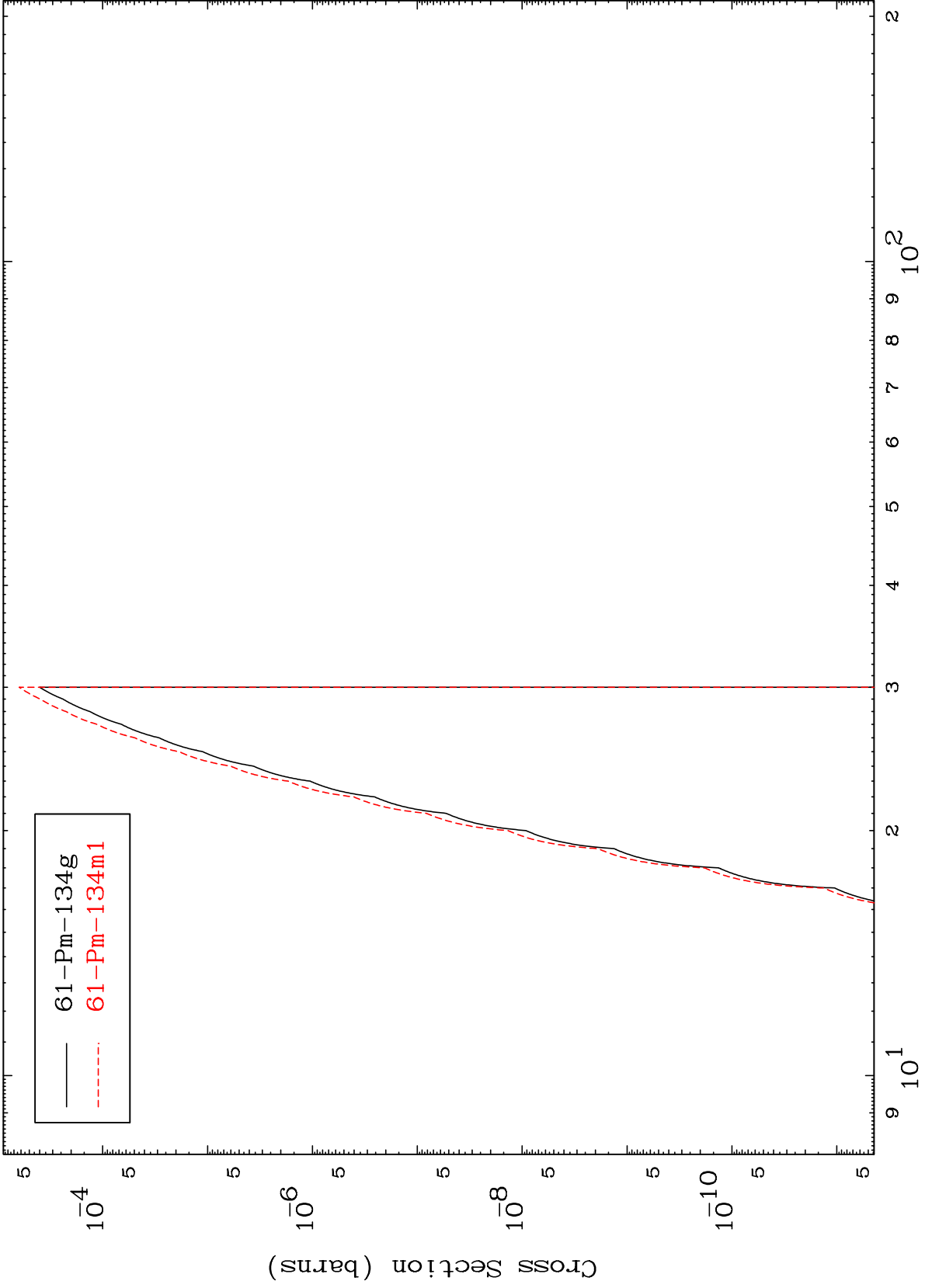


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(n,n') He-3

63-Eu-137

Radionuclide Production Cross Section



28

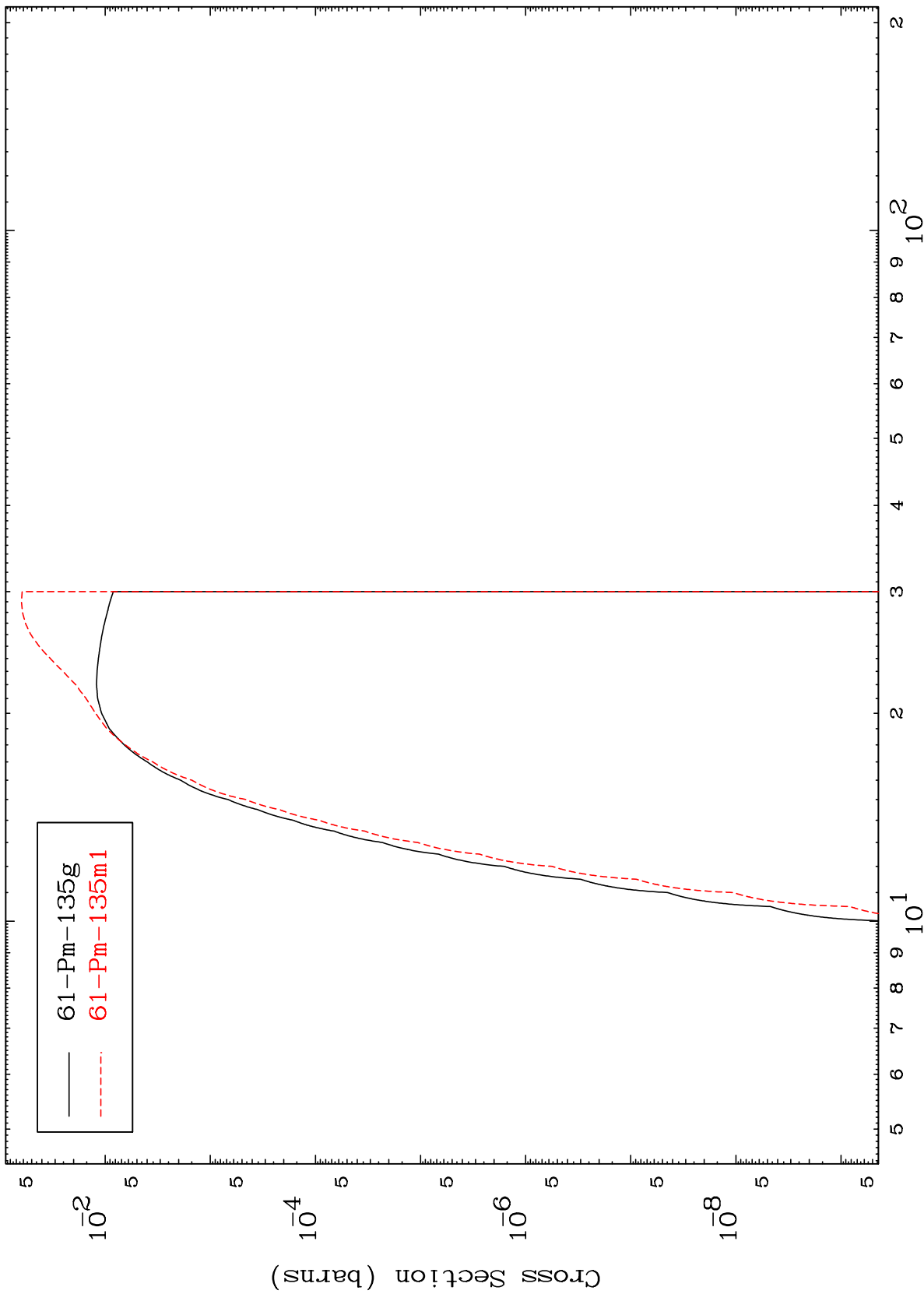
Incident Energy (MeV)

63-Eu-137

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63-Eu-137

(n,2n) p
Radionuclide Production Cross Section



— 61-Pm-135g
- - - 61-Pm-135m1

63-Eu-137

Incident Energy (MeV)

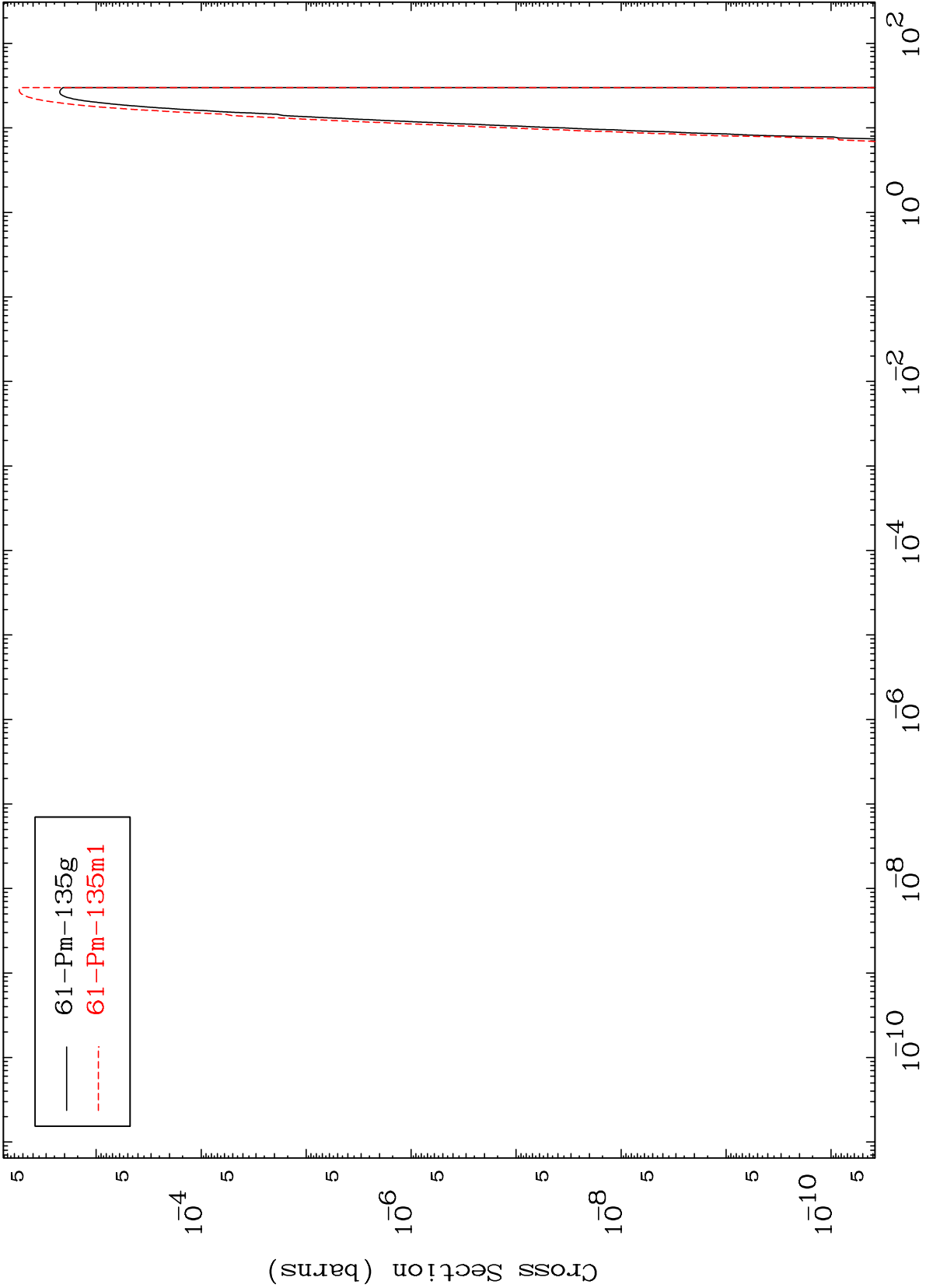
29

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(n,He-3)

63-Eu-137

Radionuclide Production Cross Section



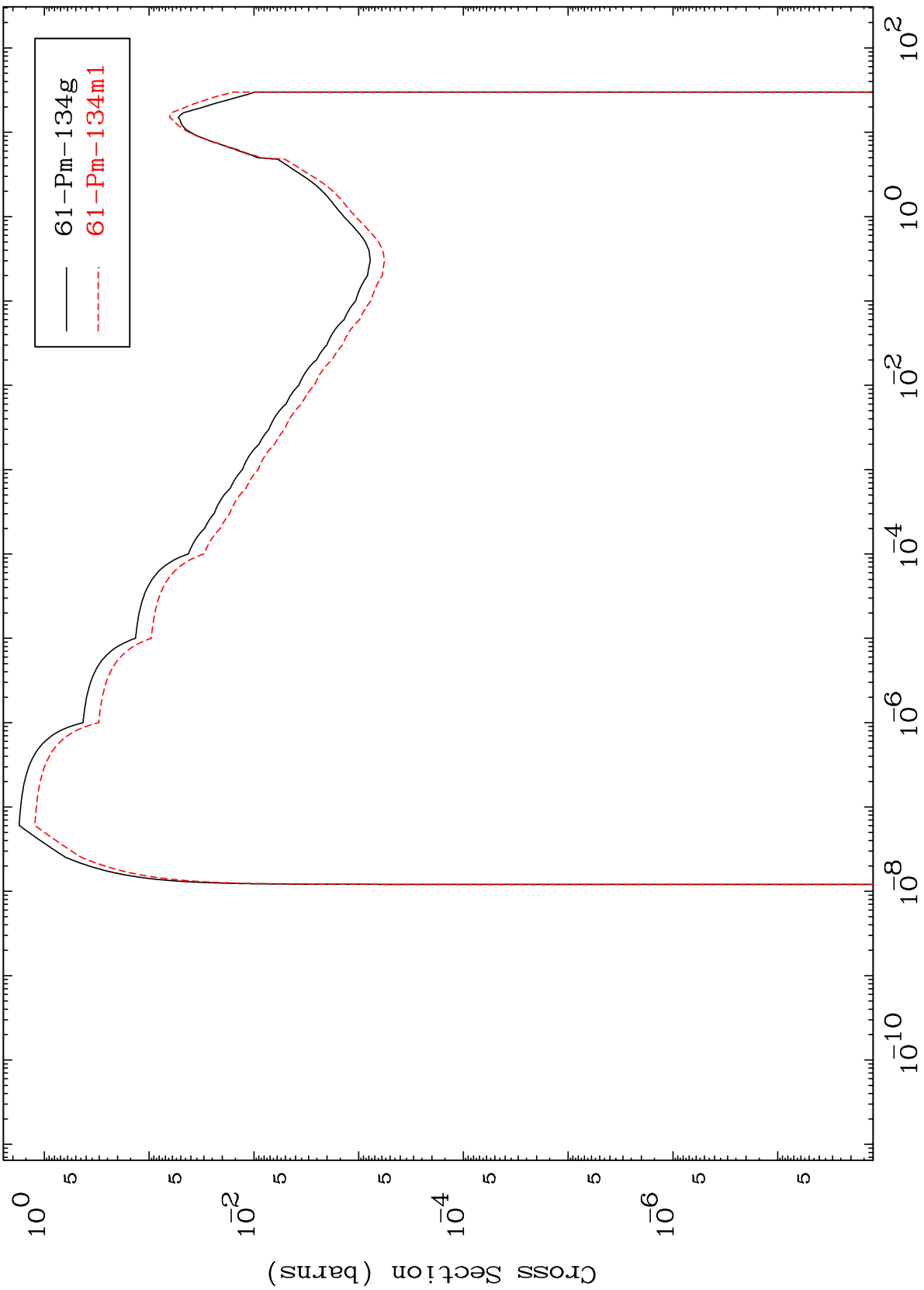
61-Pm-135g
61-Pm-135m1

30

Incident Energy (MeV)

63-Eu-137

(n, α)
Radionuclide Production Cross Section

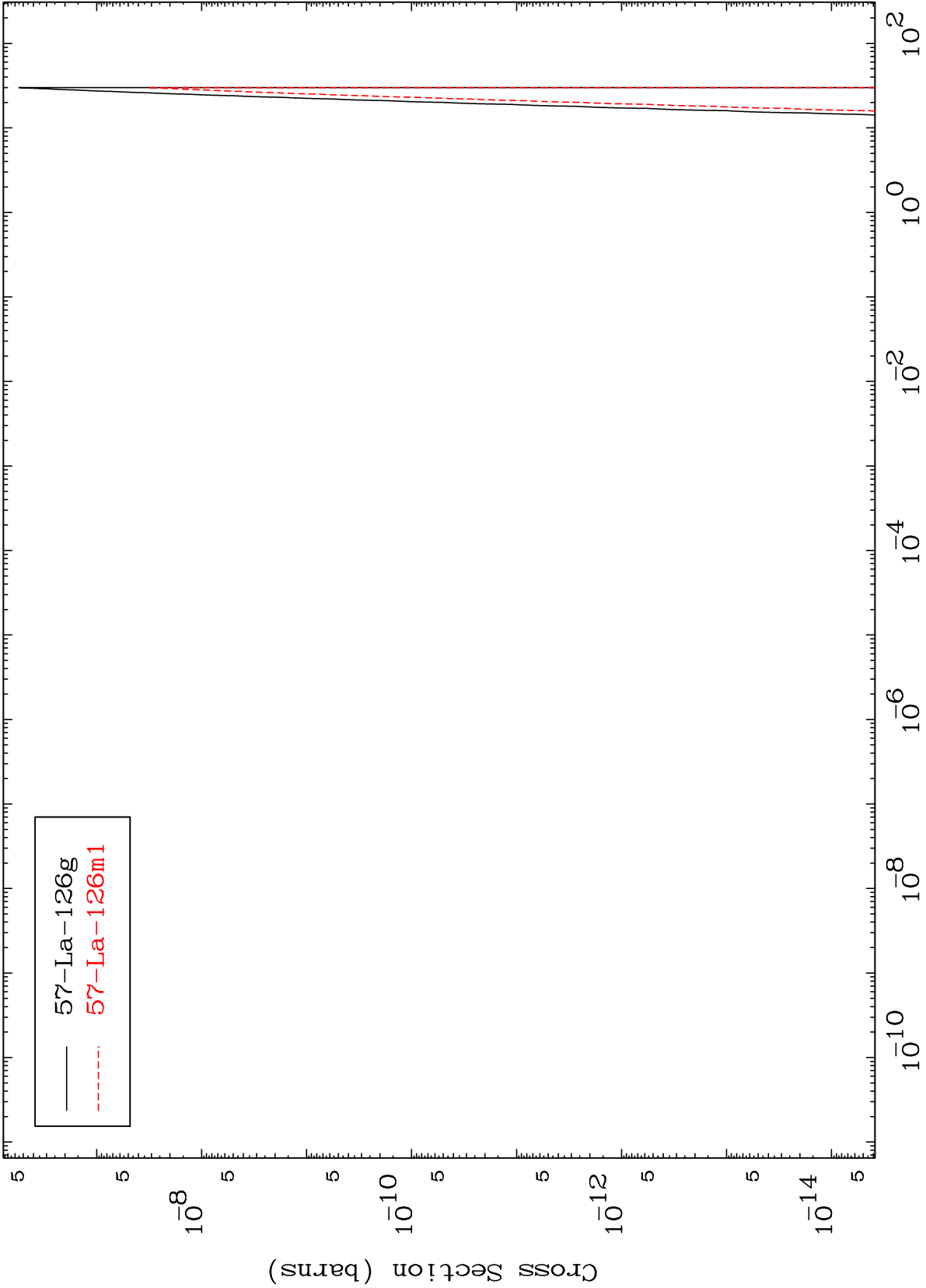


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(n, 3α)

63-Eu-137

Radionuclide Production Cross Section

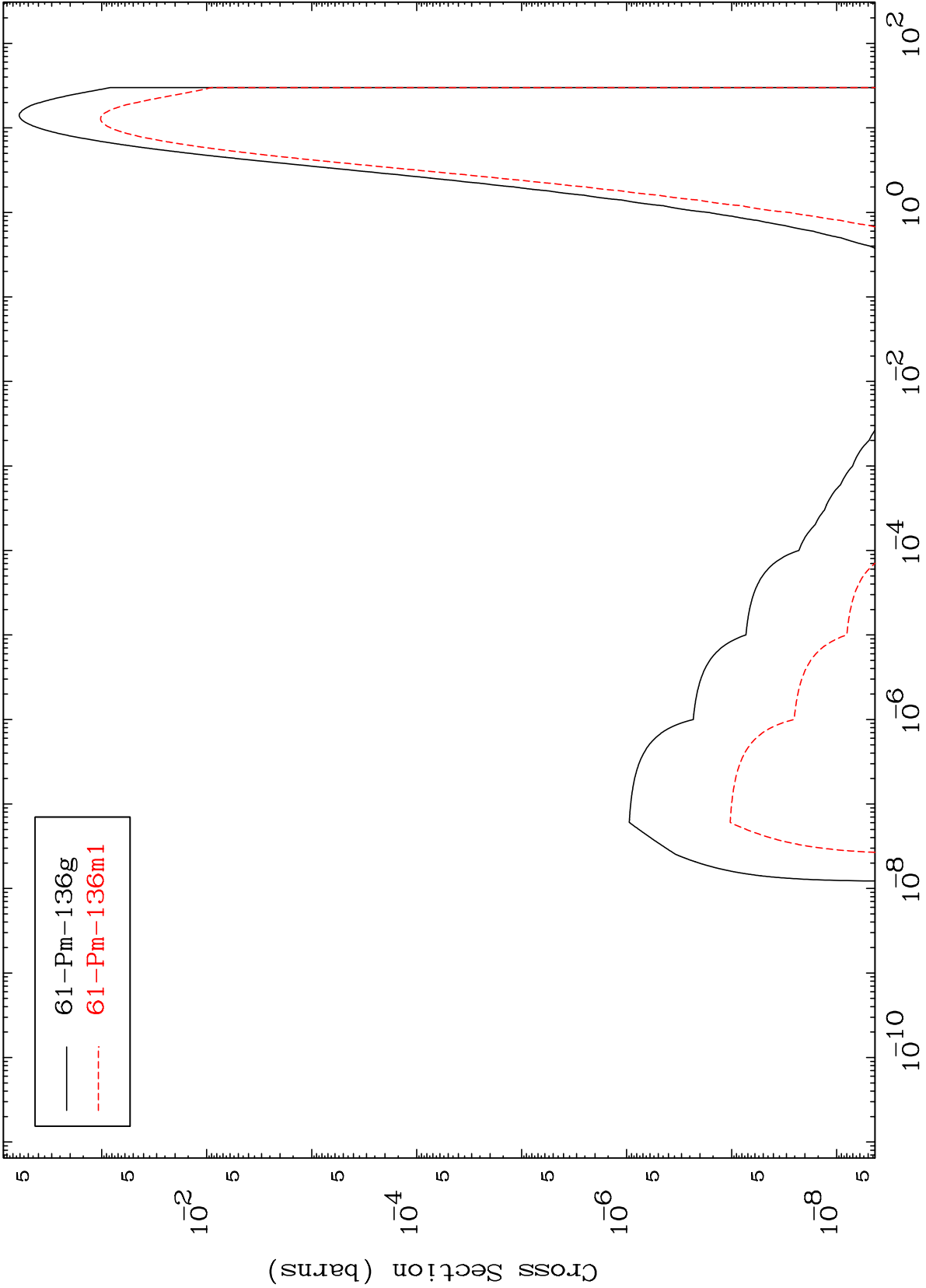


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(n,2p)

63-Eu-137

Radionuclide Production Cross Section

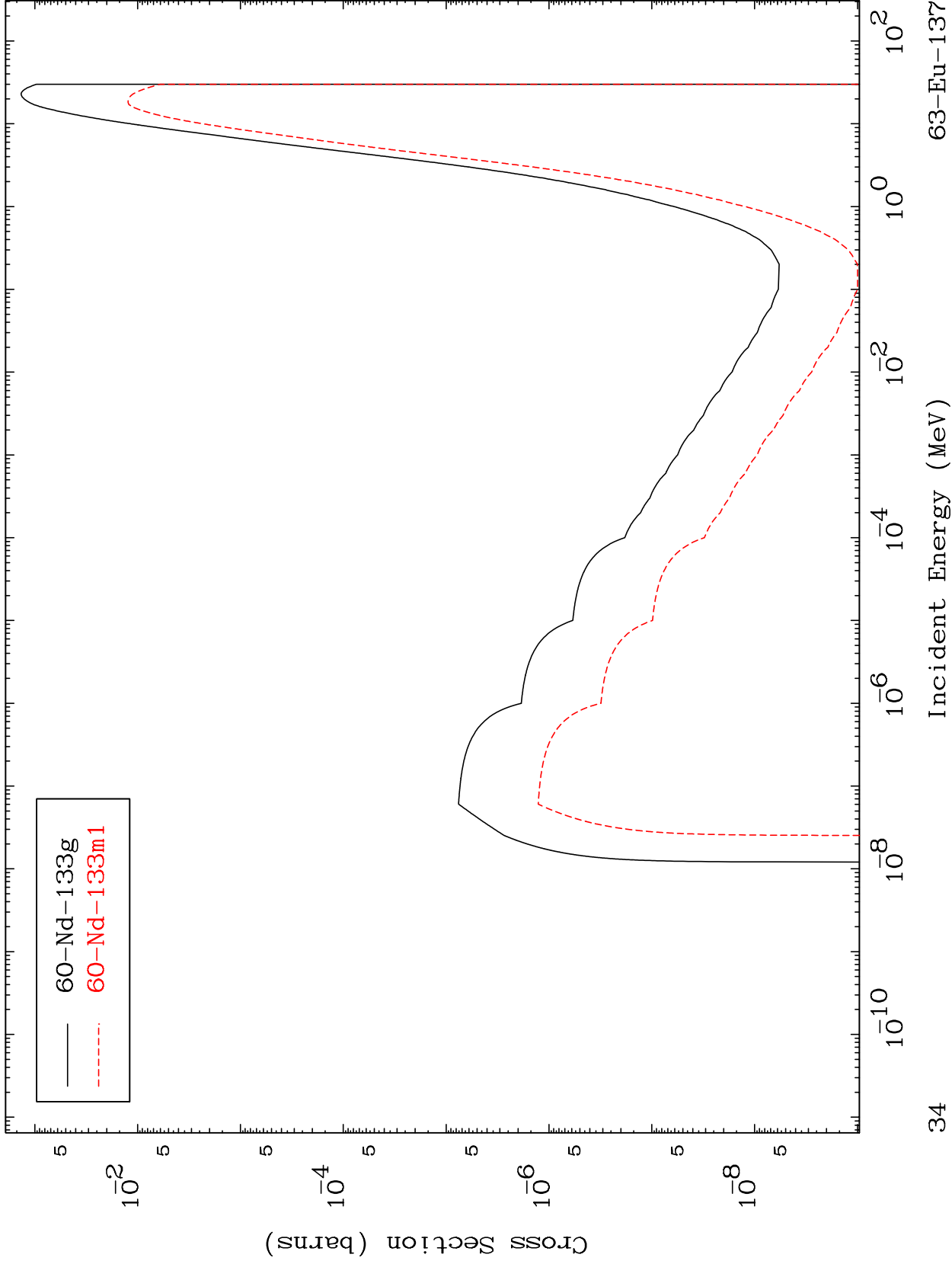


MAT 6283

(n,p) α

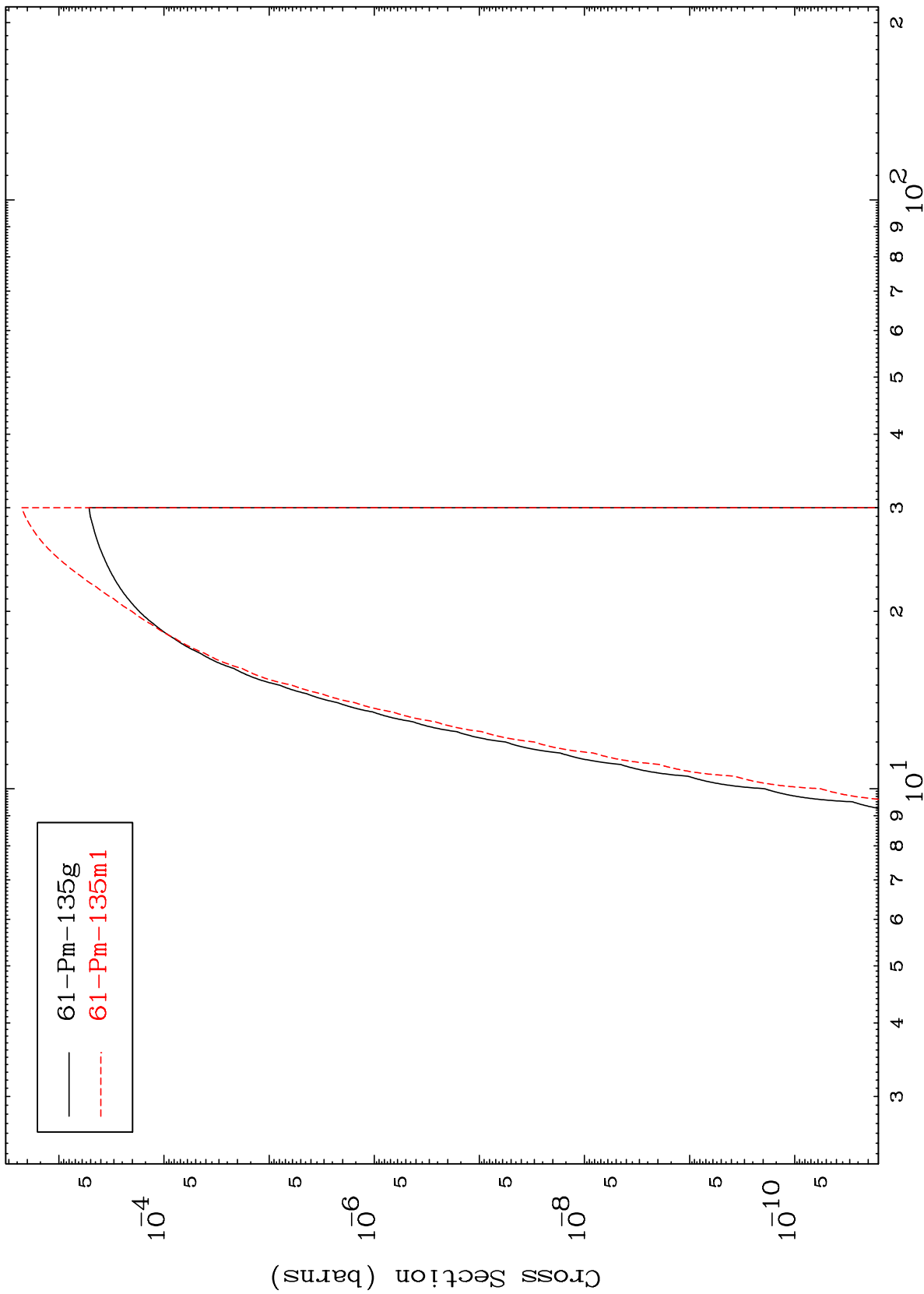
⁶³Eu-137

Radionuclide Production Cross Section



(n,p) d

Radionuclide Production Cross Section

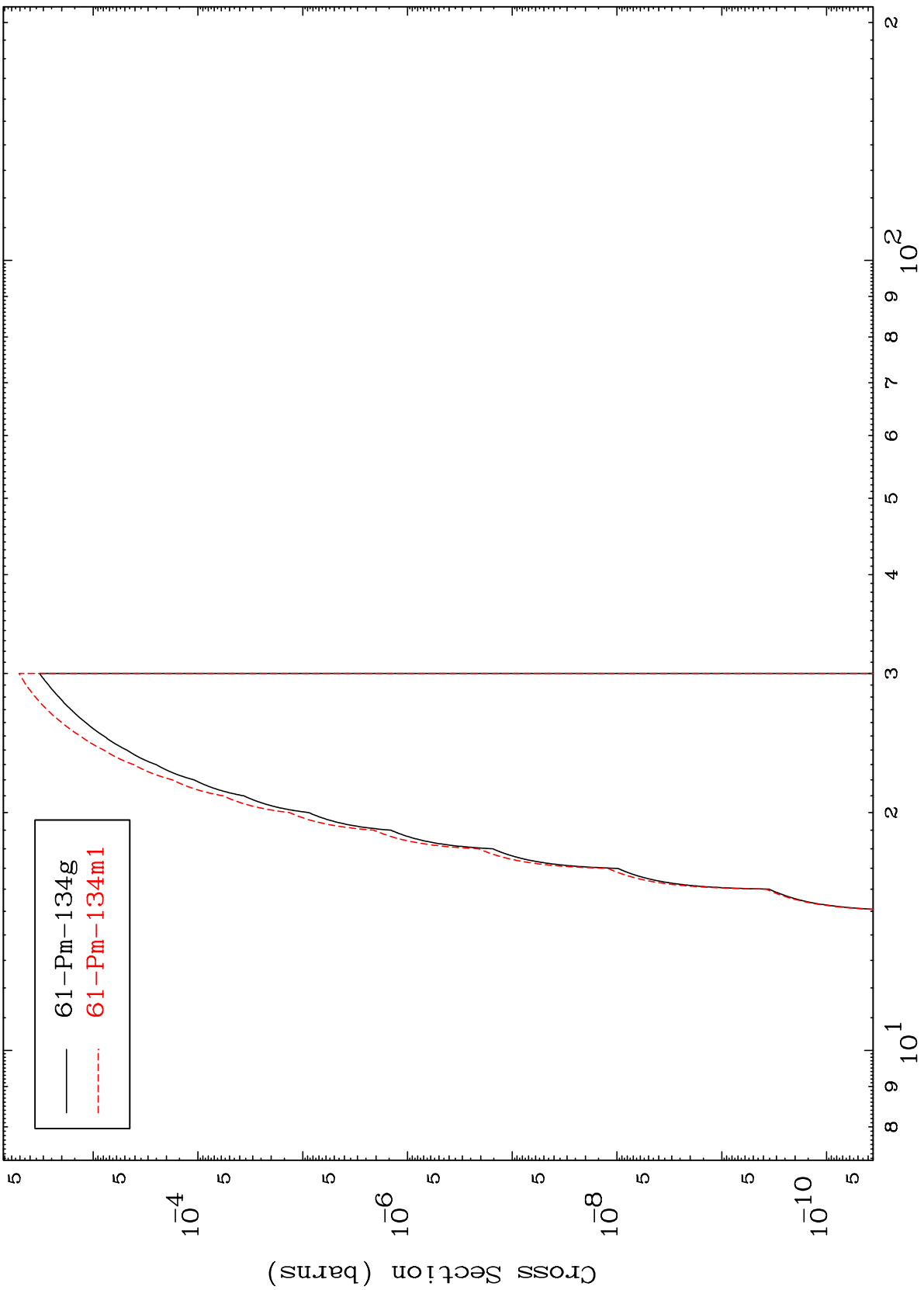


MAT 6283

(n,p) t

63-Eu-137

Radionuclide Production Cross Section



36

Incident Energy (MeV)

63-Eu-137