

Program EVALPLOT
(Version 2017-1)

by

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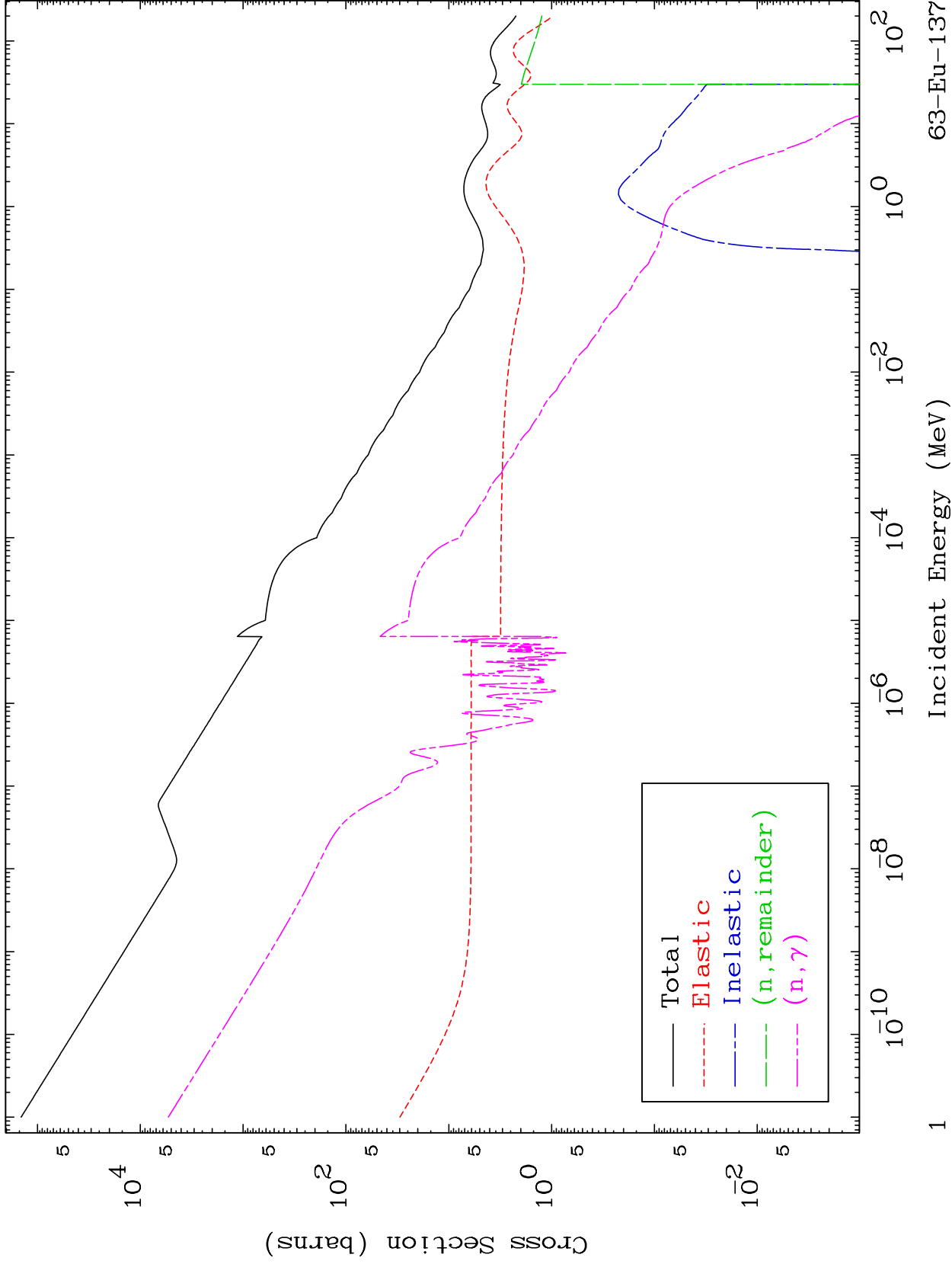
Press Mouse Button to Start

MAT 6283

Major

293 Kelvin Cross Sections

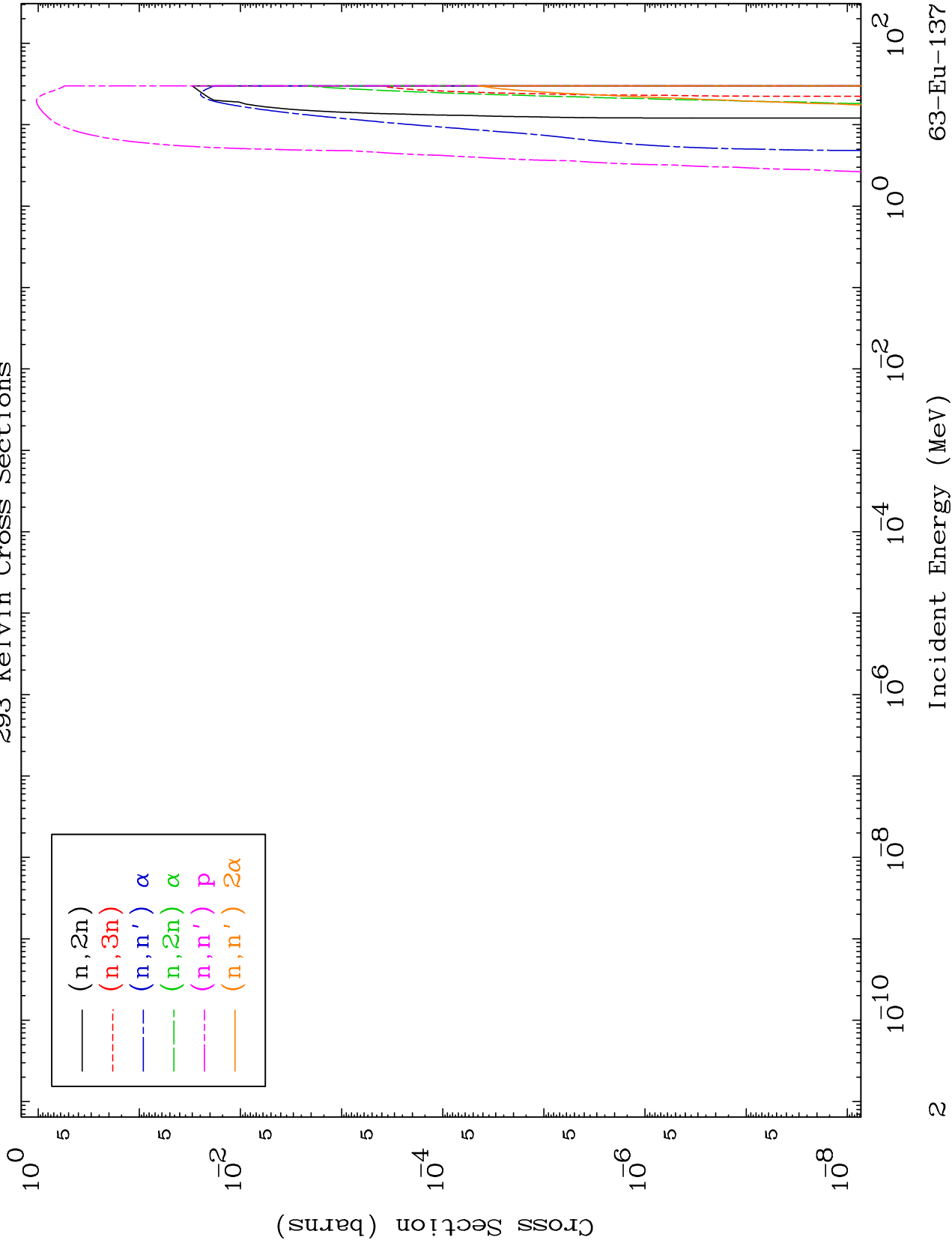
63-Eu-137

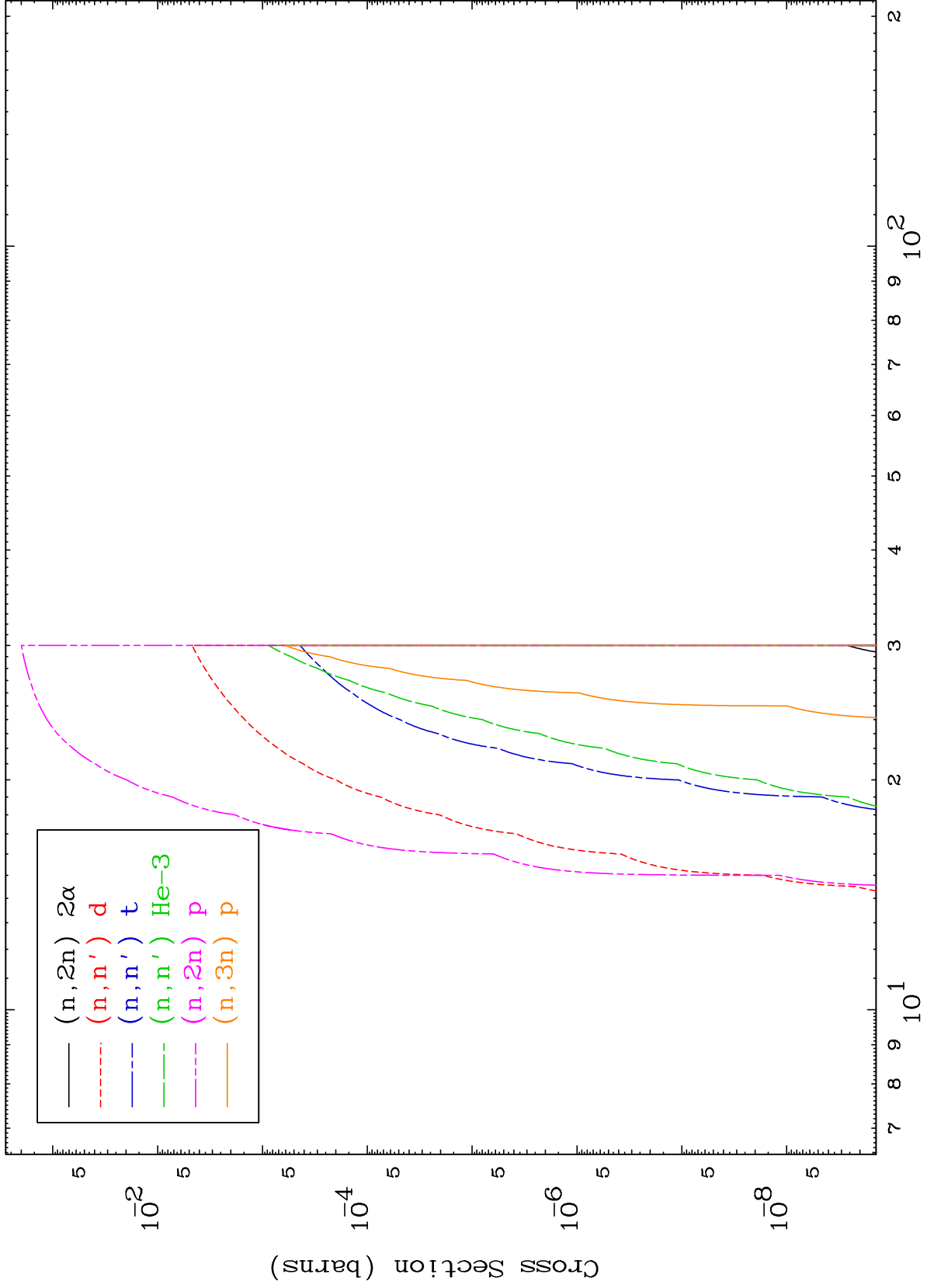


MAT 6283

Neutron Production
293 Kelvin Cross Sections

63-Eu-137

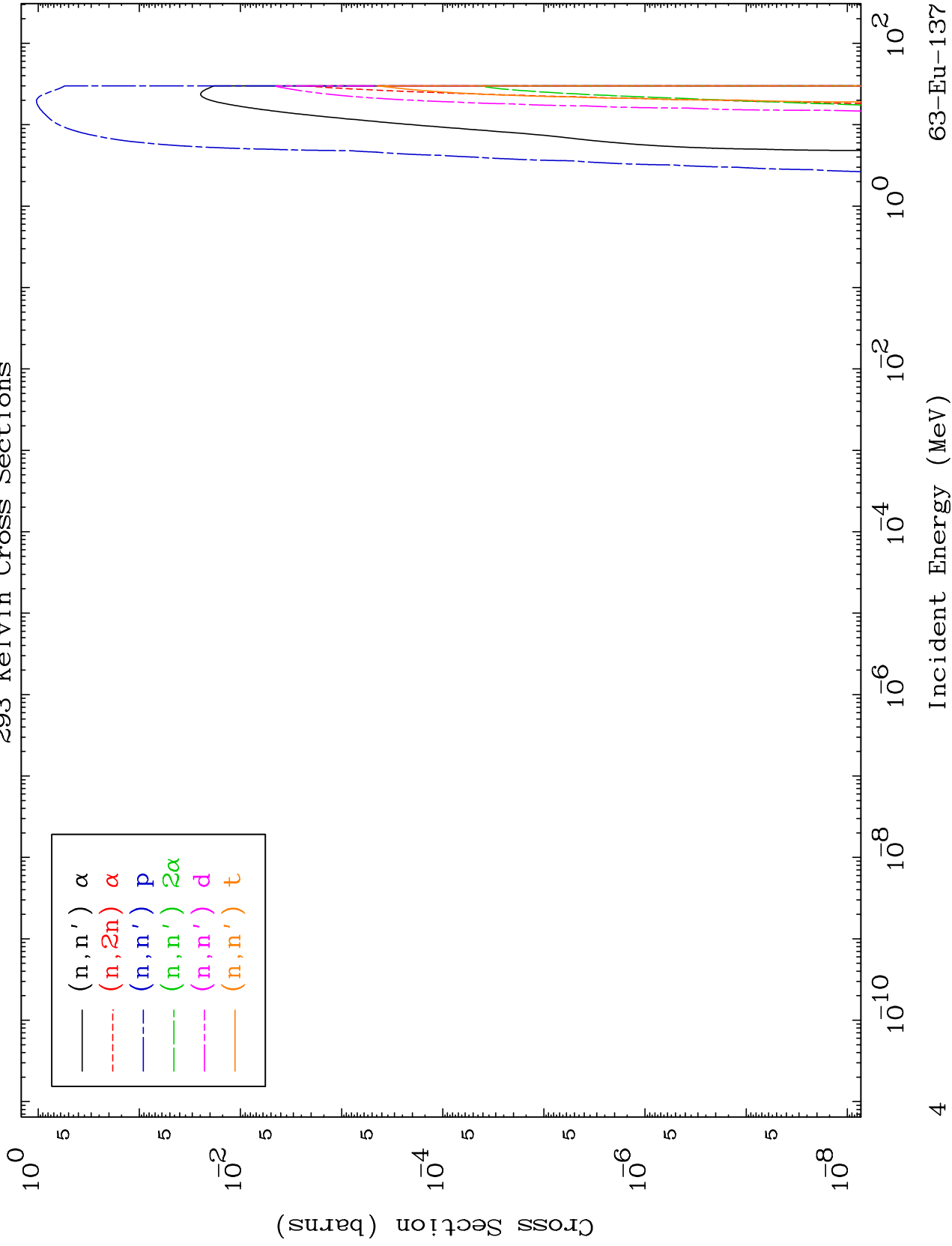




MAT 6283

Charged Particle
293 Kelvin Cross Sections

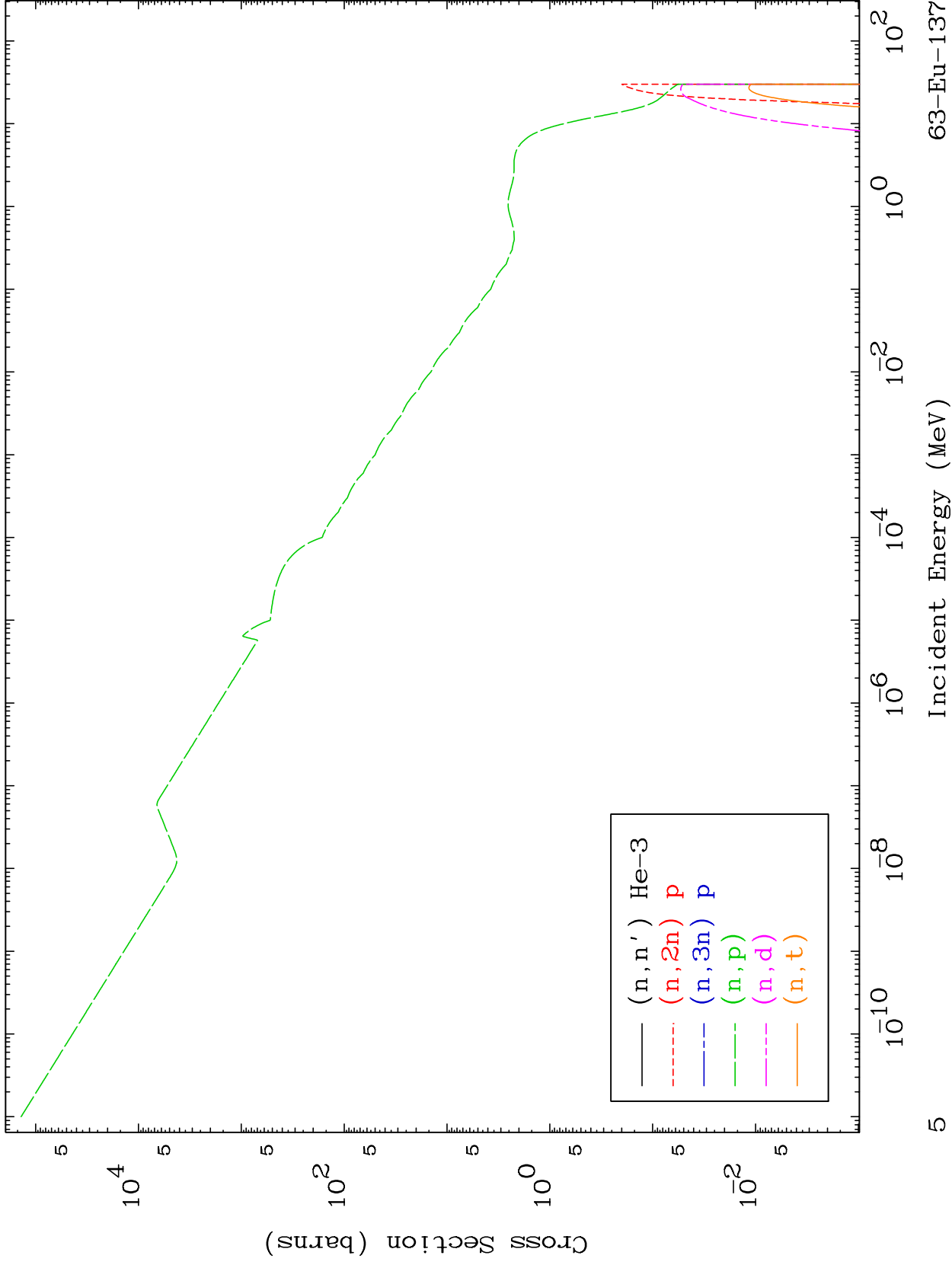
63-Eu-137



MAT 6283

Charged Particle
293 Kelvin Cross Sections

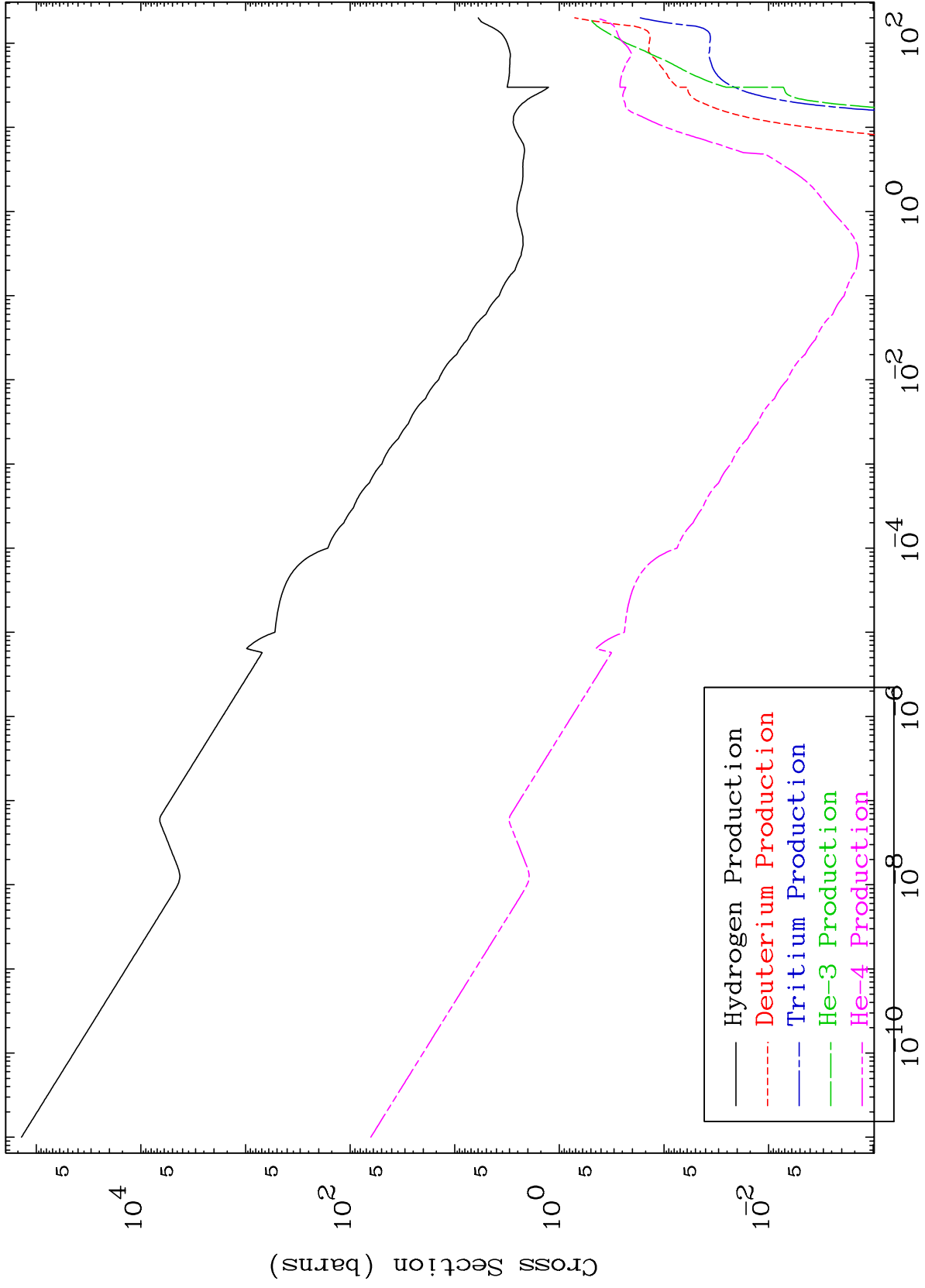
63-Eu-137



MAT 6283

Particle Production
293 Kelvin Cross Sections

63-Eu-137



63-Eu-137

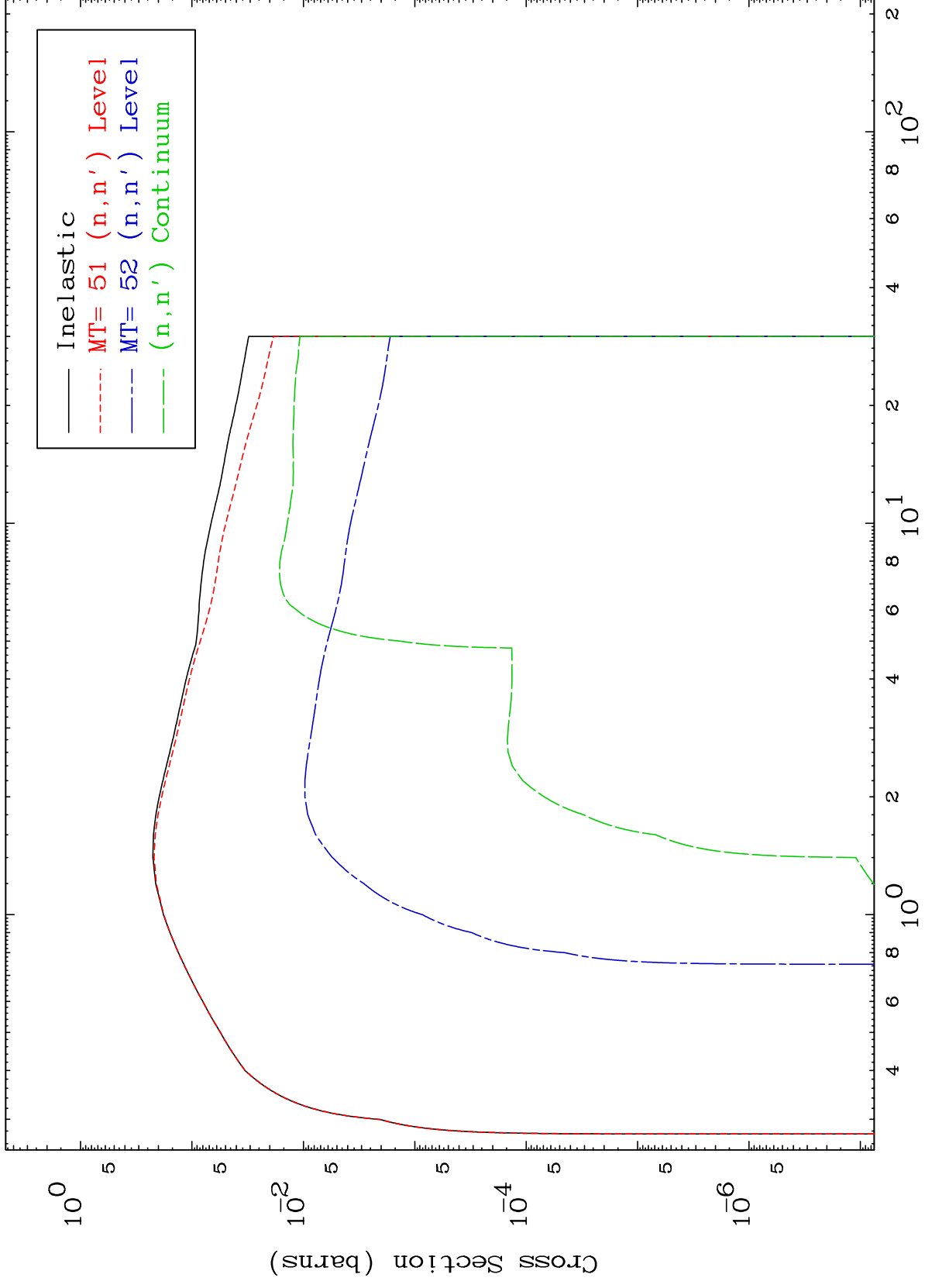
Incident Energy (MeV)

MAT 6283

(n,n') Level

63-Eu-137

293 Kelvin Cross Sections



8

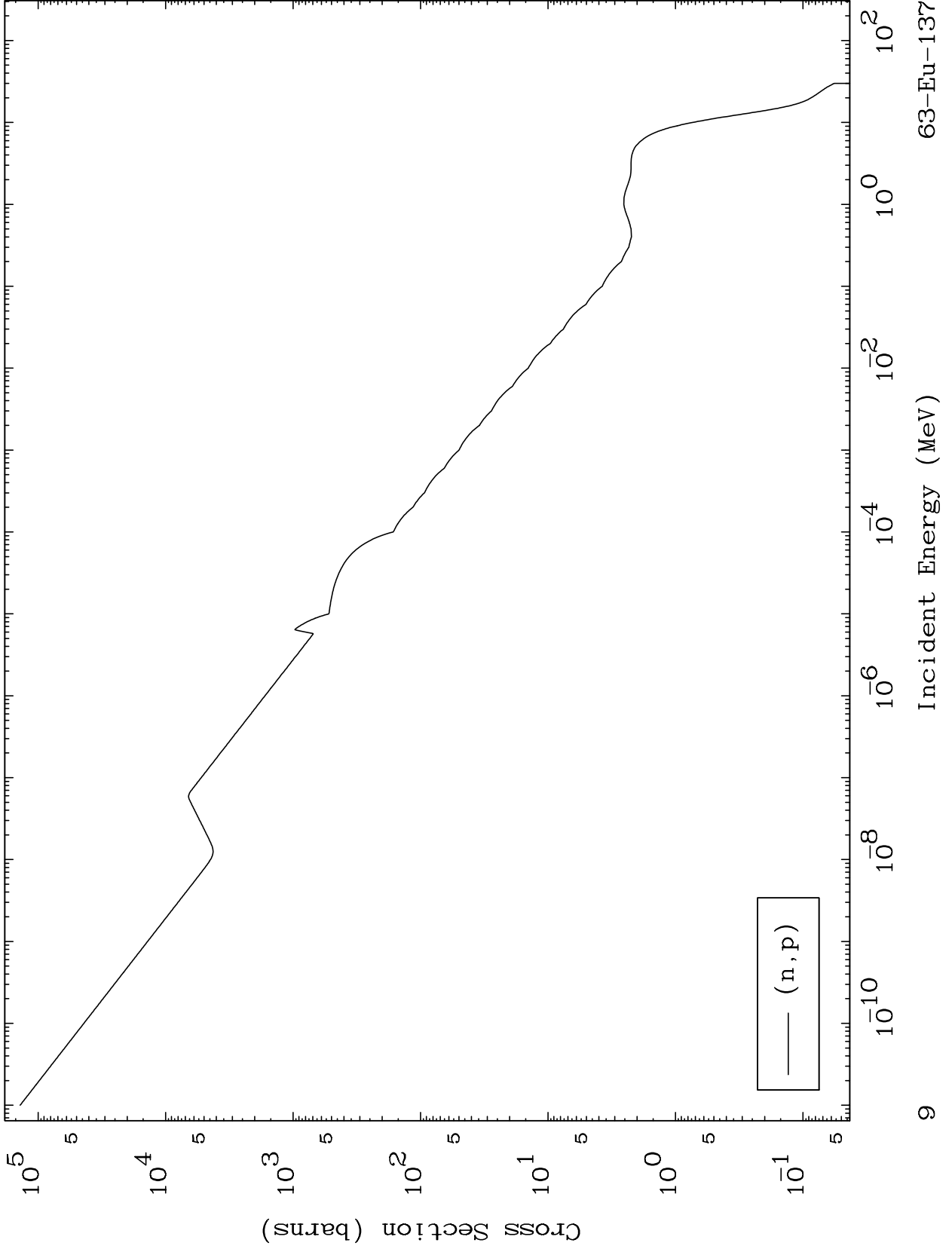
Incident Energy (MeV)

63-Eu-137

MAT 6283

(n,p) Levels
293 Kelvin Cross Sections

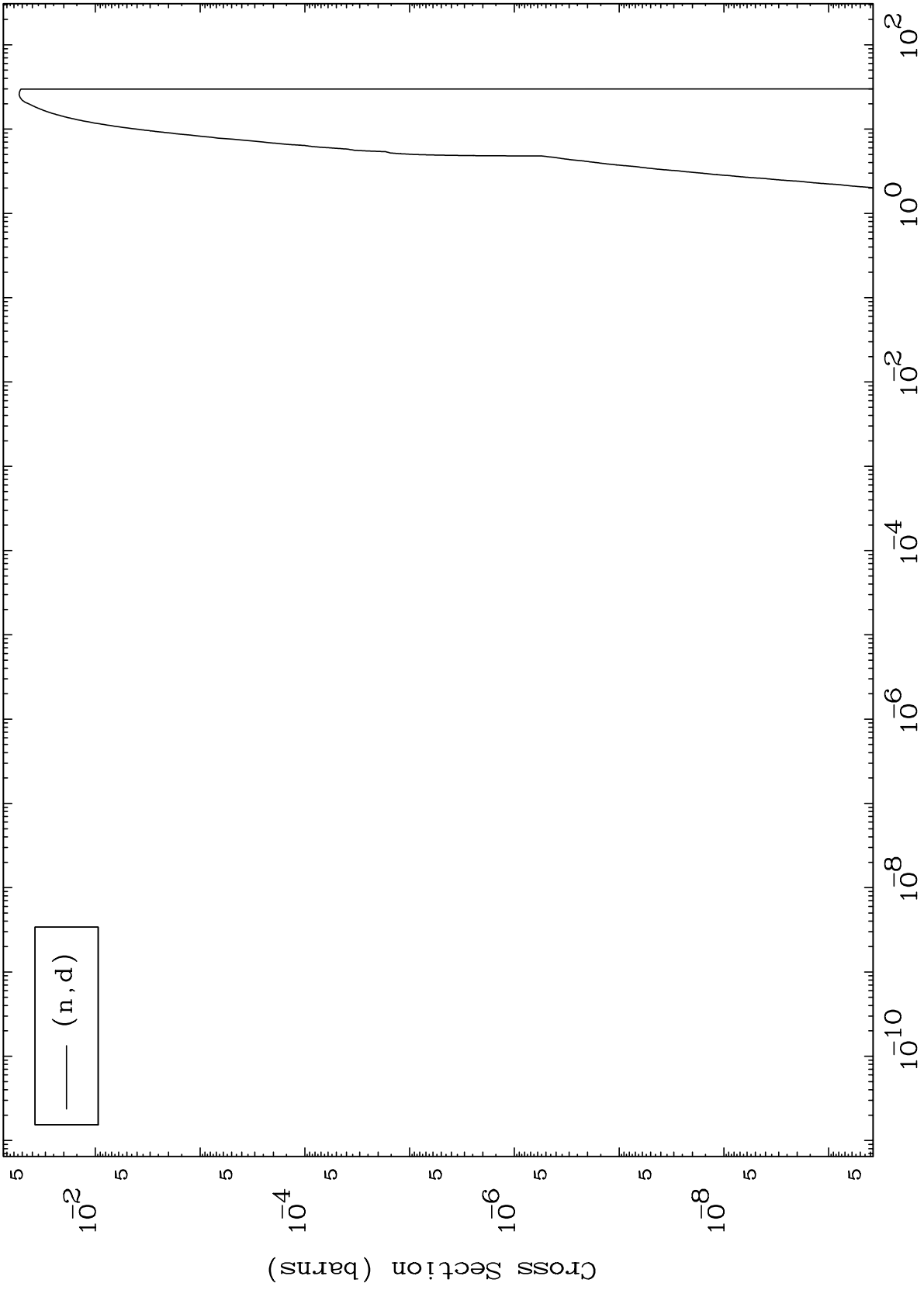
63-Eu-137



MAT 6283

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-137



10

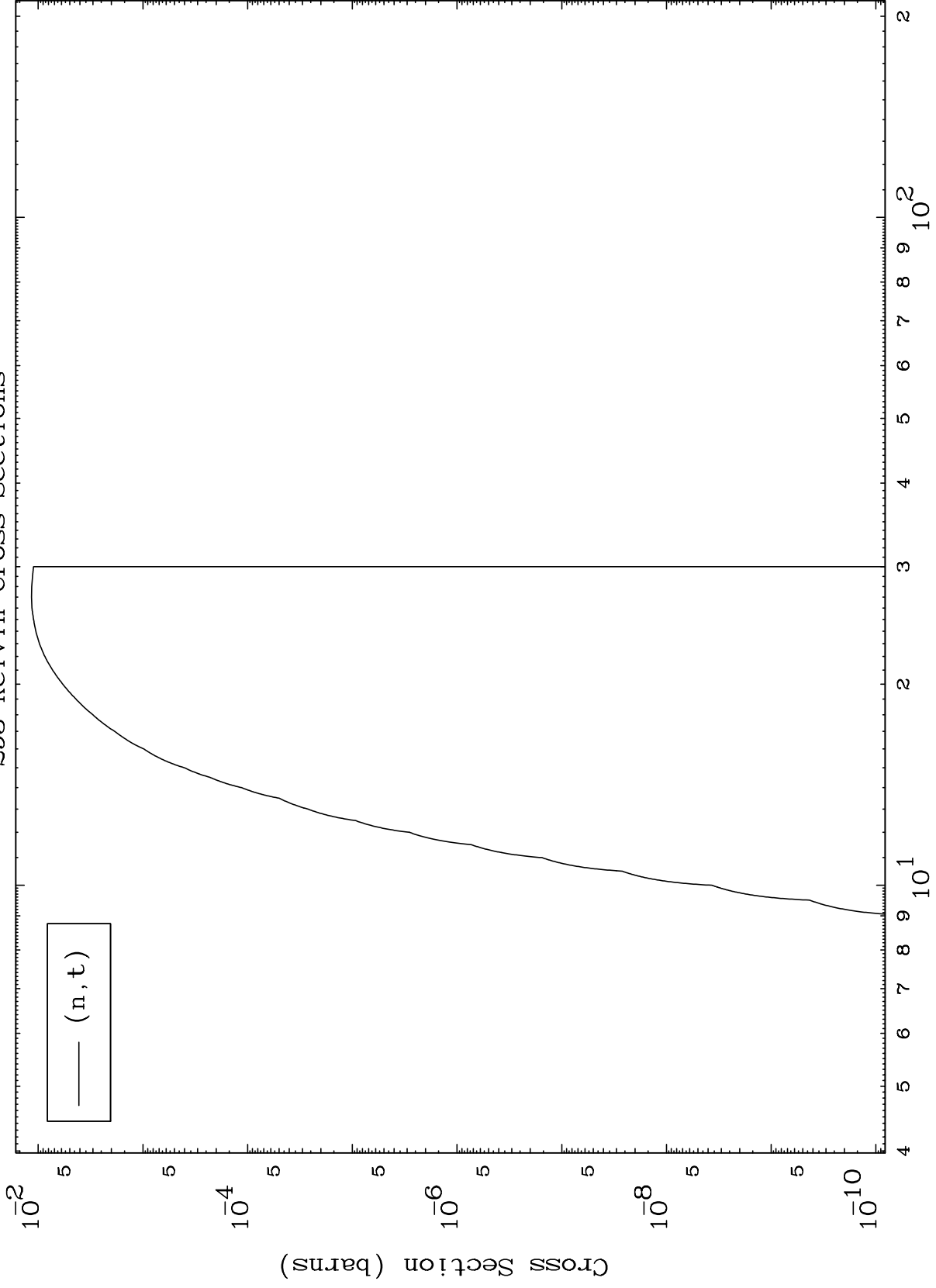
Incident Energy (MeV)

63-Eu-137

MAT 6283

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-137



11

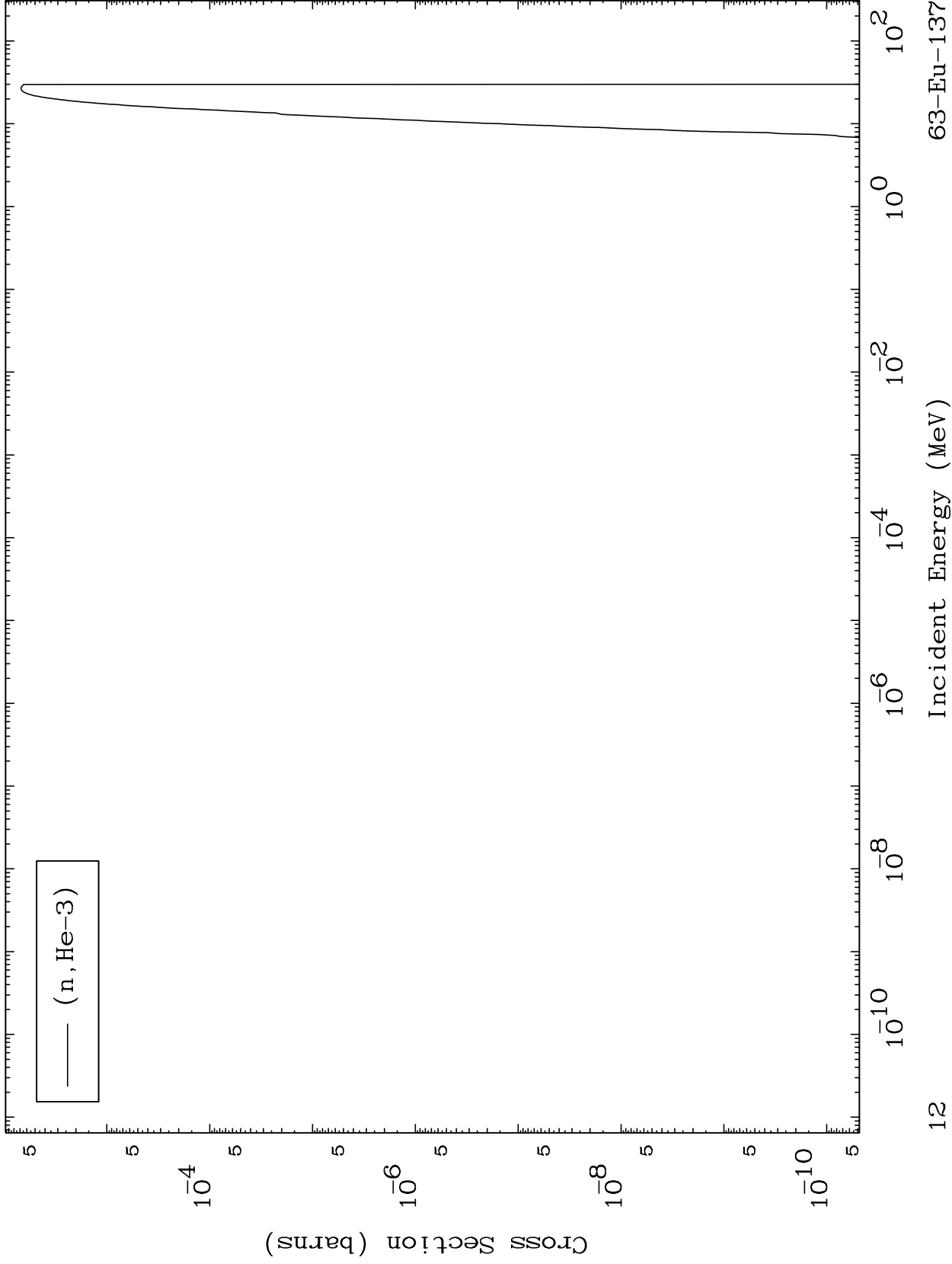
Incident Energy (MeV)

63-Eu-137

MAT 6283

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-137



12

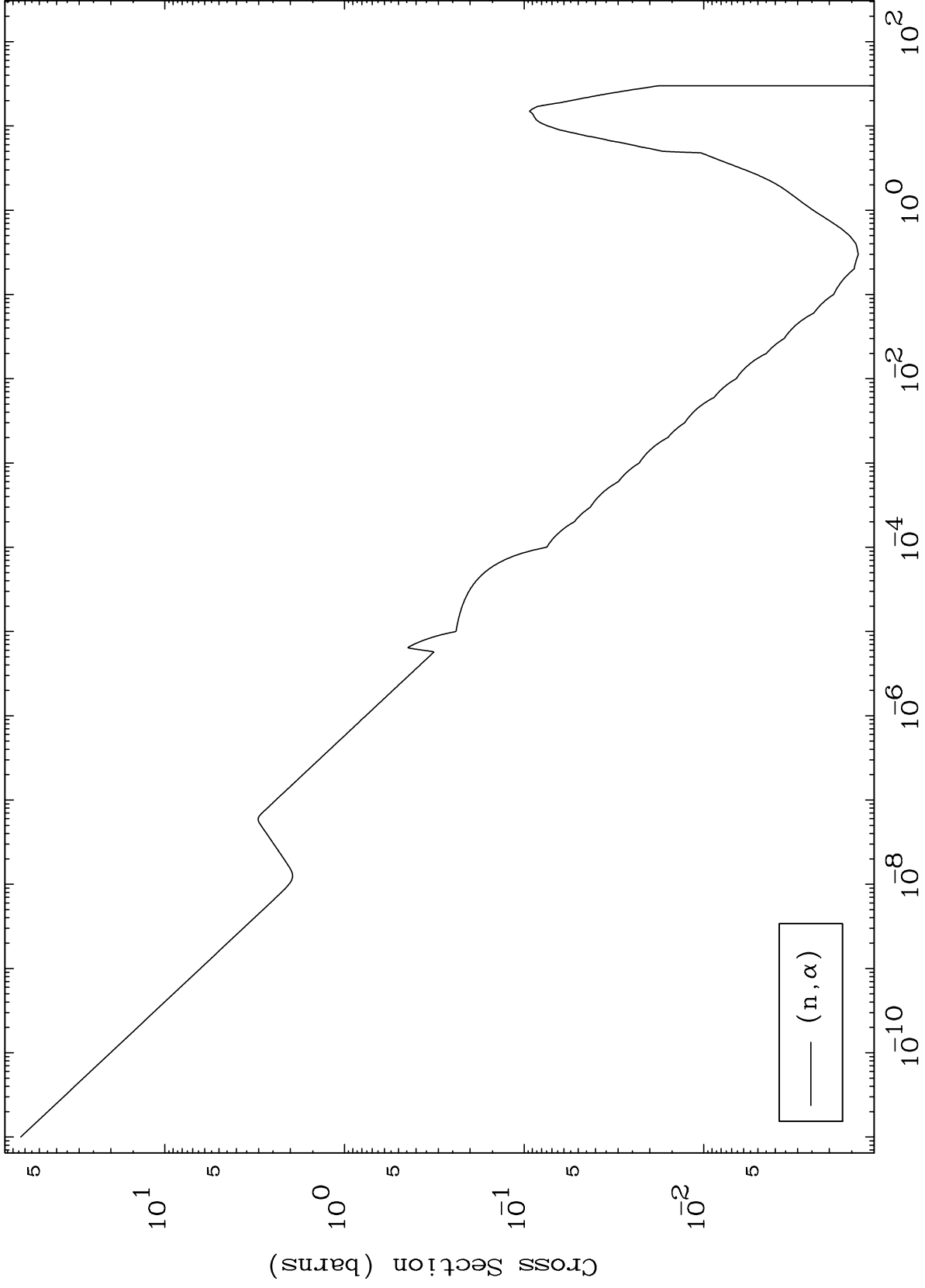
Incident Energy (MeV)

63-Eu-137

MAT 6283

(n,α) Levels
293 Kelvin Cross Sections

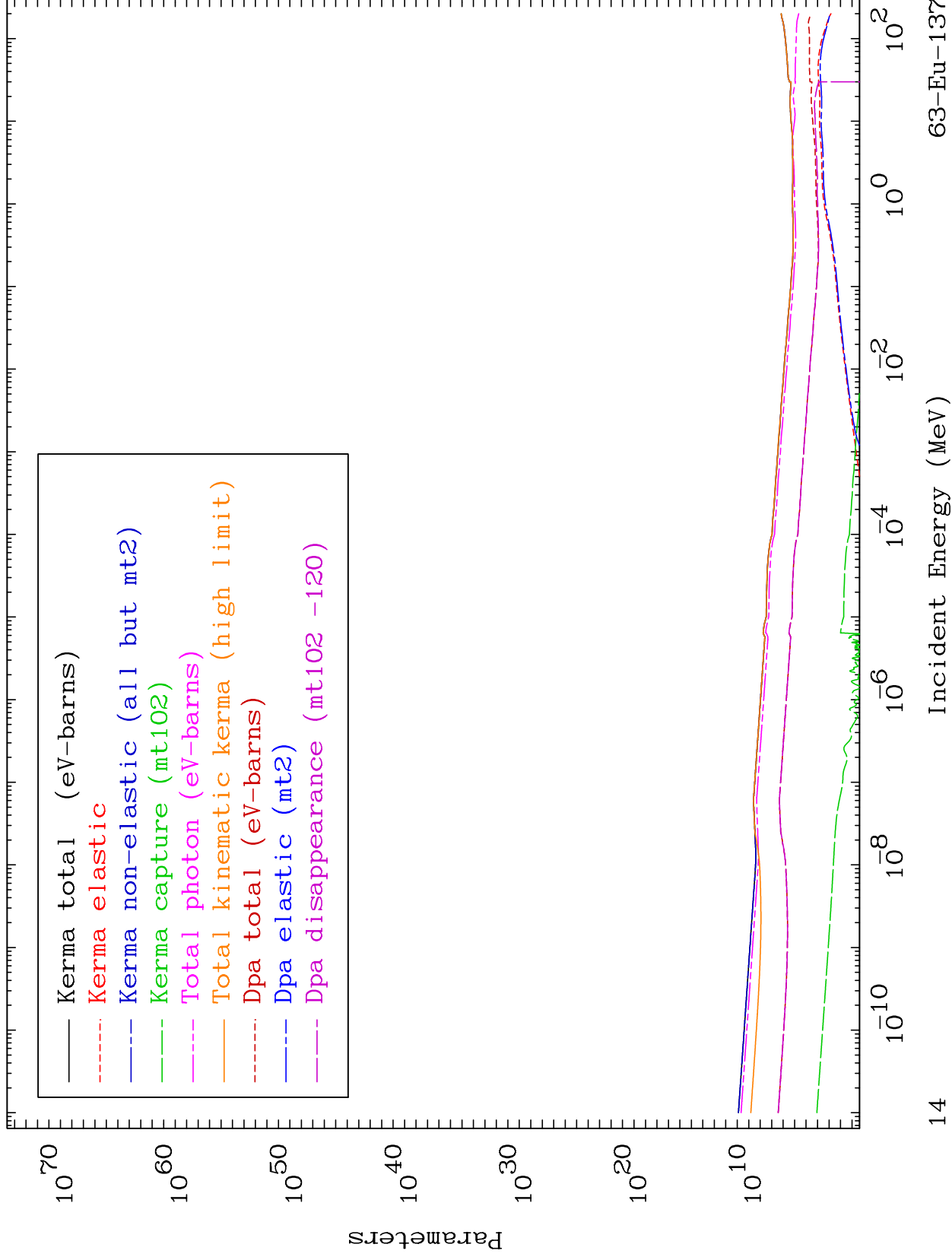
63-Eu-137



13

Incident Energy (MeV)

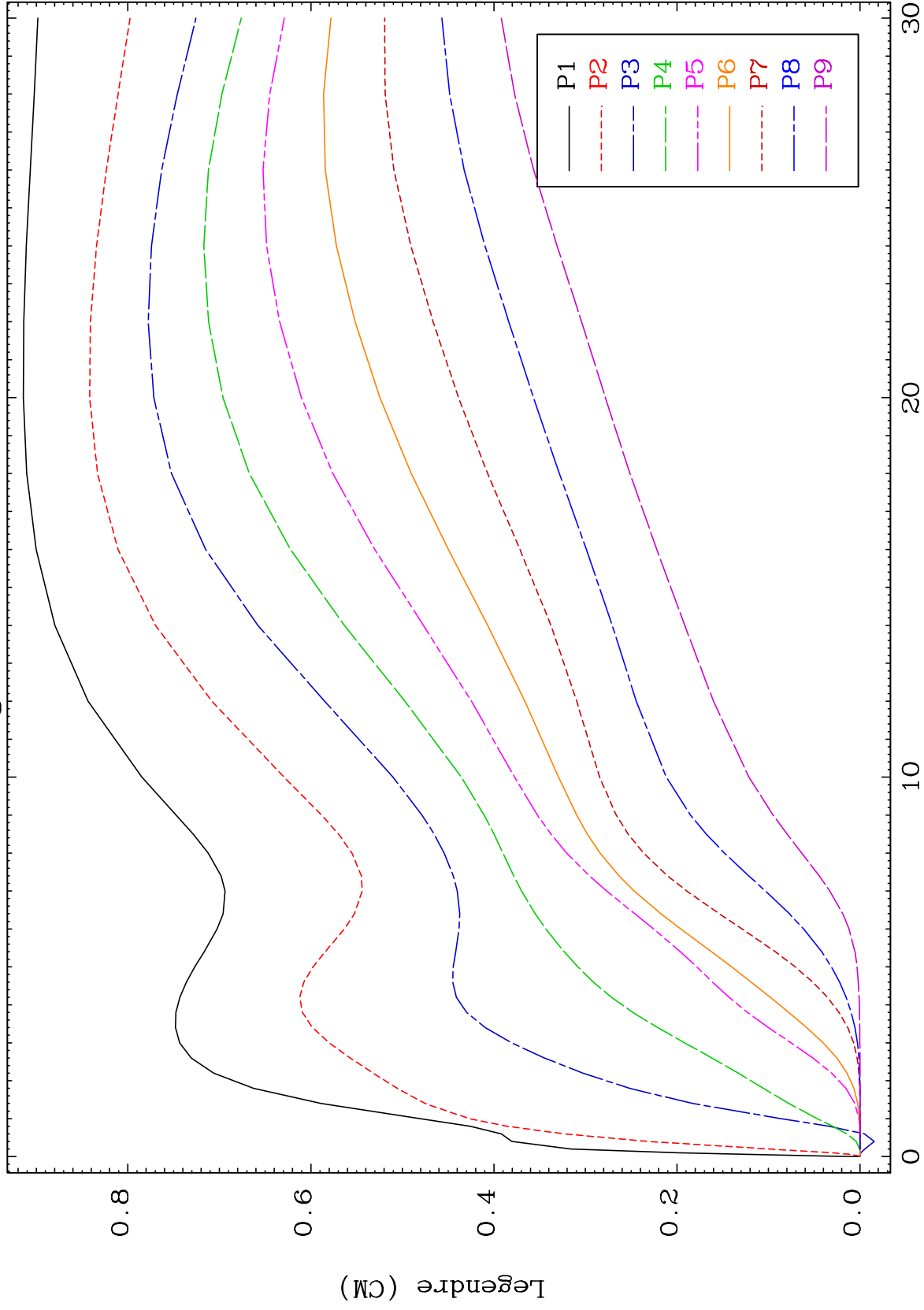
63-Eu-137



MAT 6283

Elastic Legendre Coefficients

63-Eu-137



15

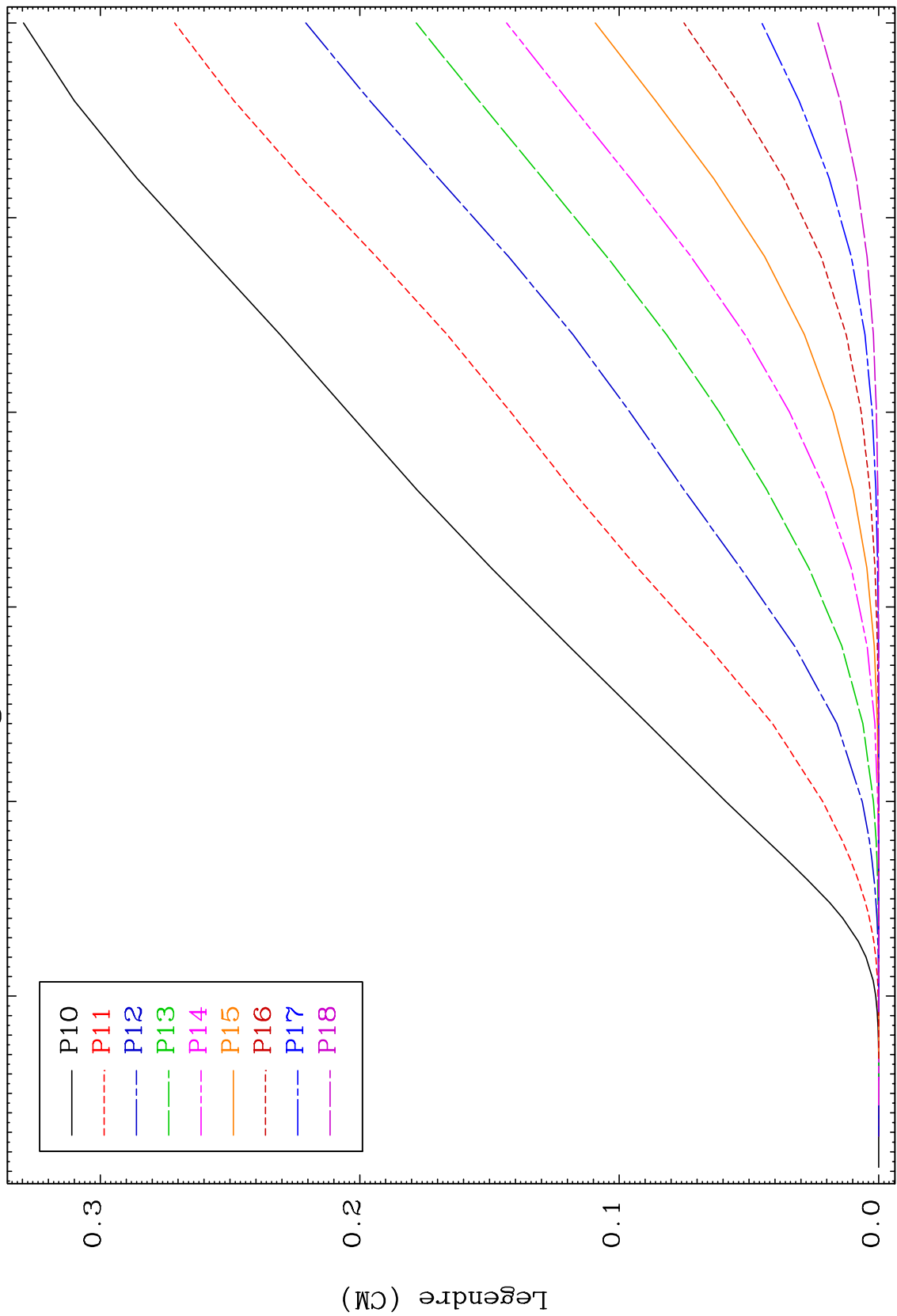
Incident Energy (MeV)

63-Eu-137

MAT 6283

Elastic Legendre Coefficients

63-Eu-137



16

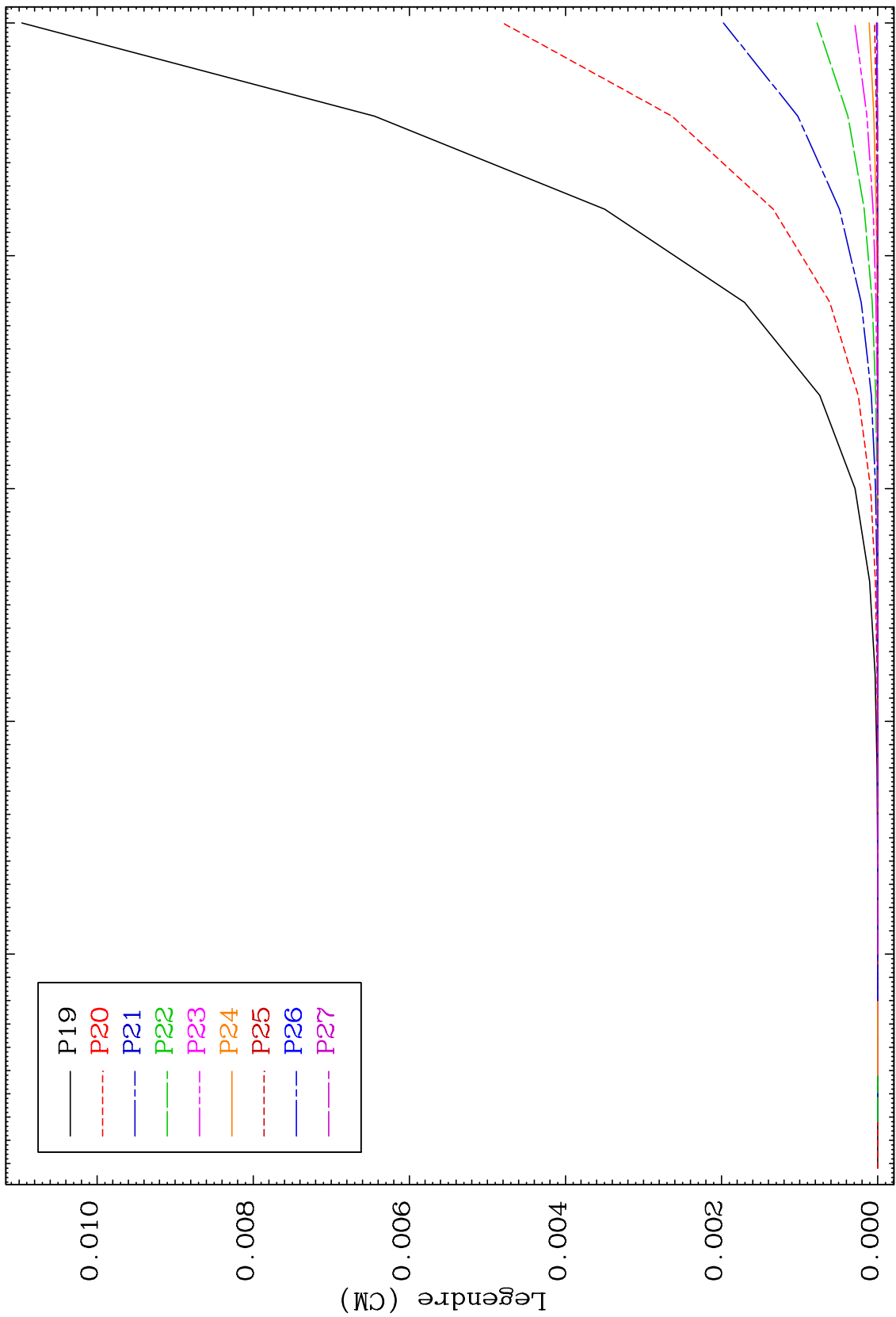
Incident Energy (MeV)

63-Eu-137

MAT 6283

Elastic Legendre Coefficients

63-Eu-137



17

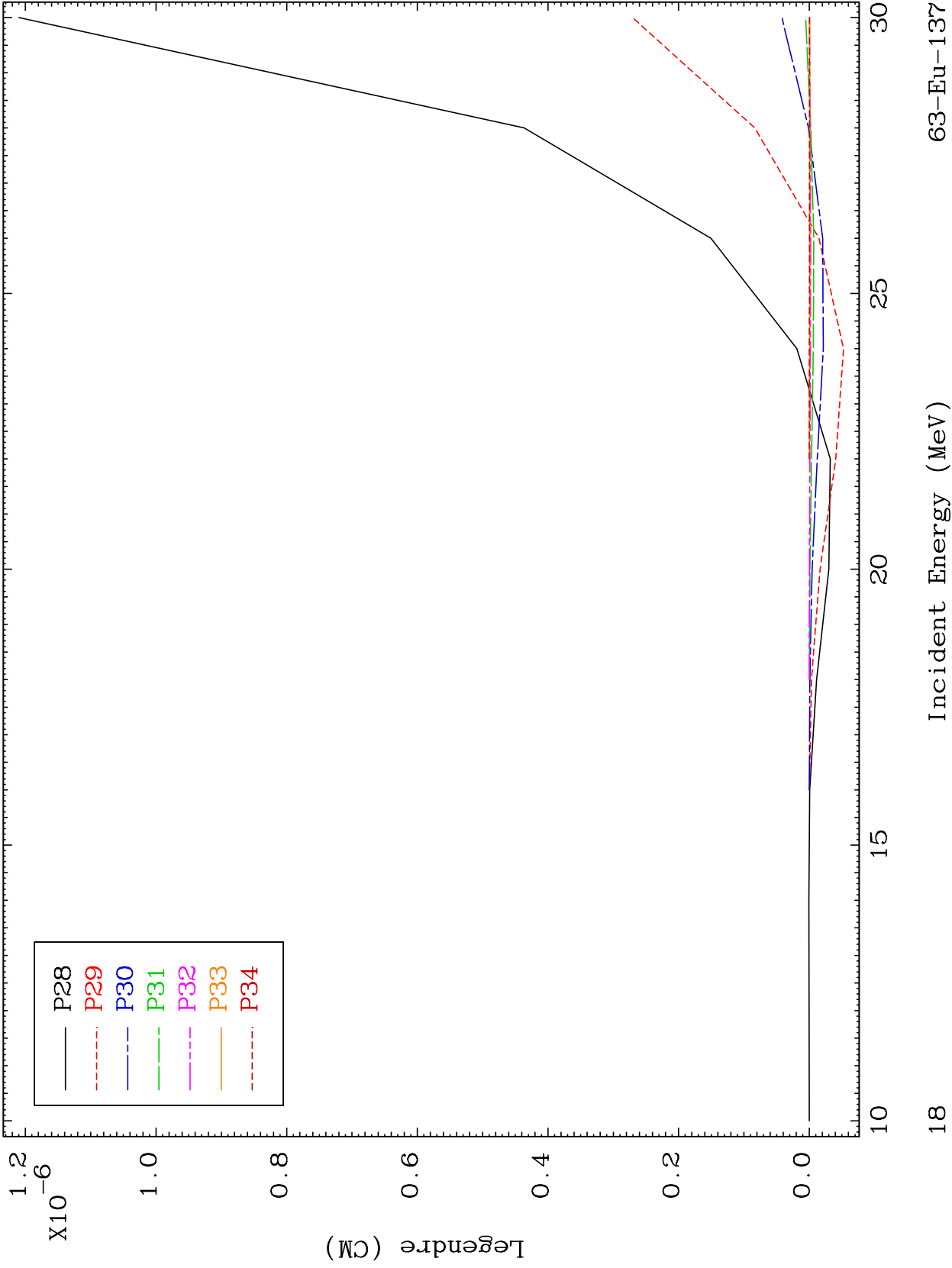
Incident Energy (MeV)

63-Eu-137

MAT 6283

Elastic Legendre Coefficients

63-Eu-137



63-Eu-137

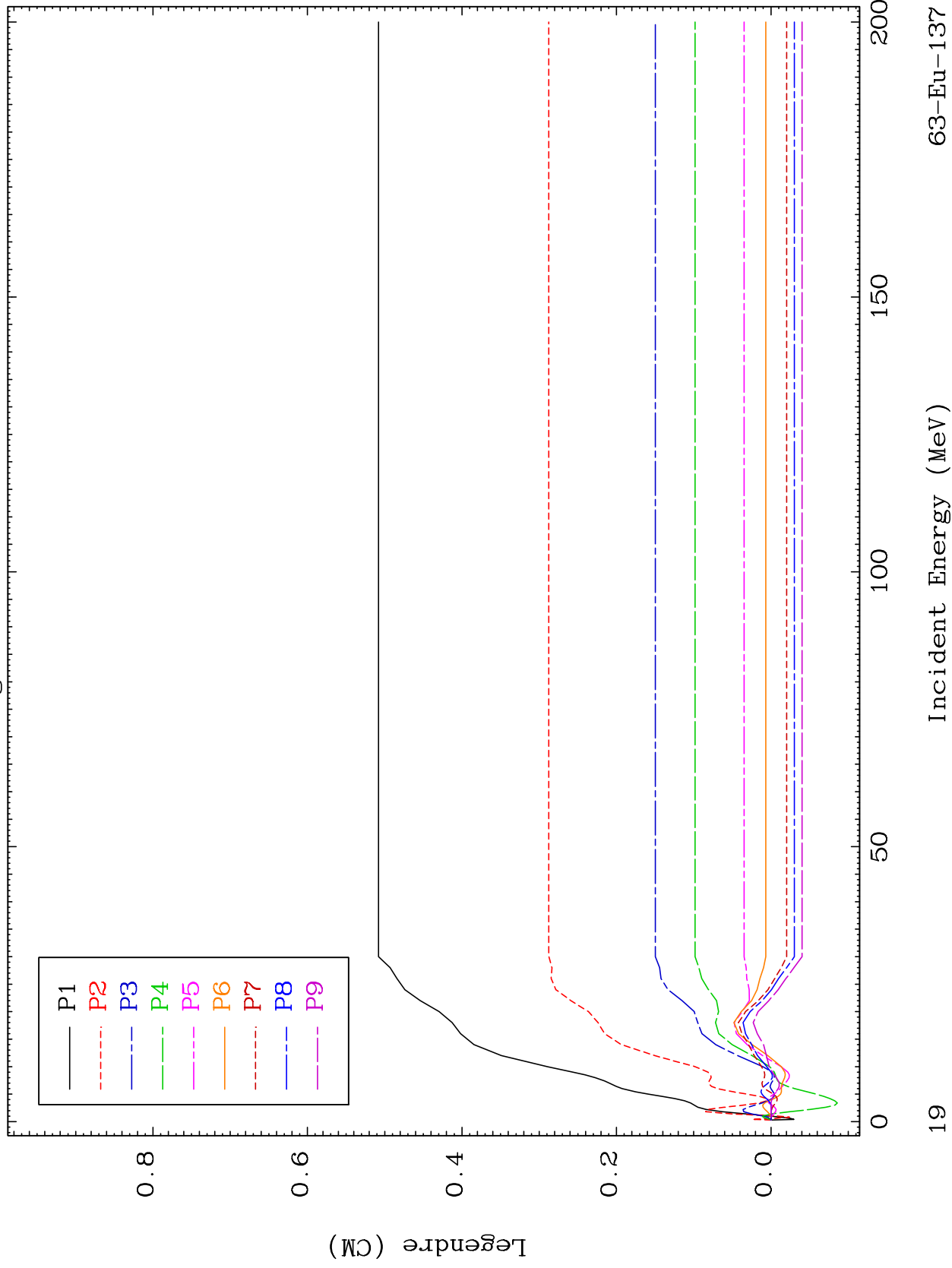
Incident Energy (MeV)

18

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

63-Eu-137



63-Eu-137

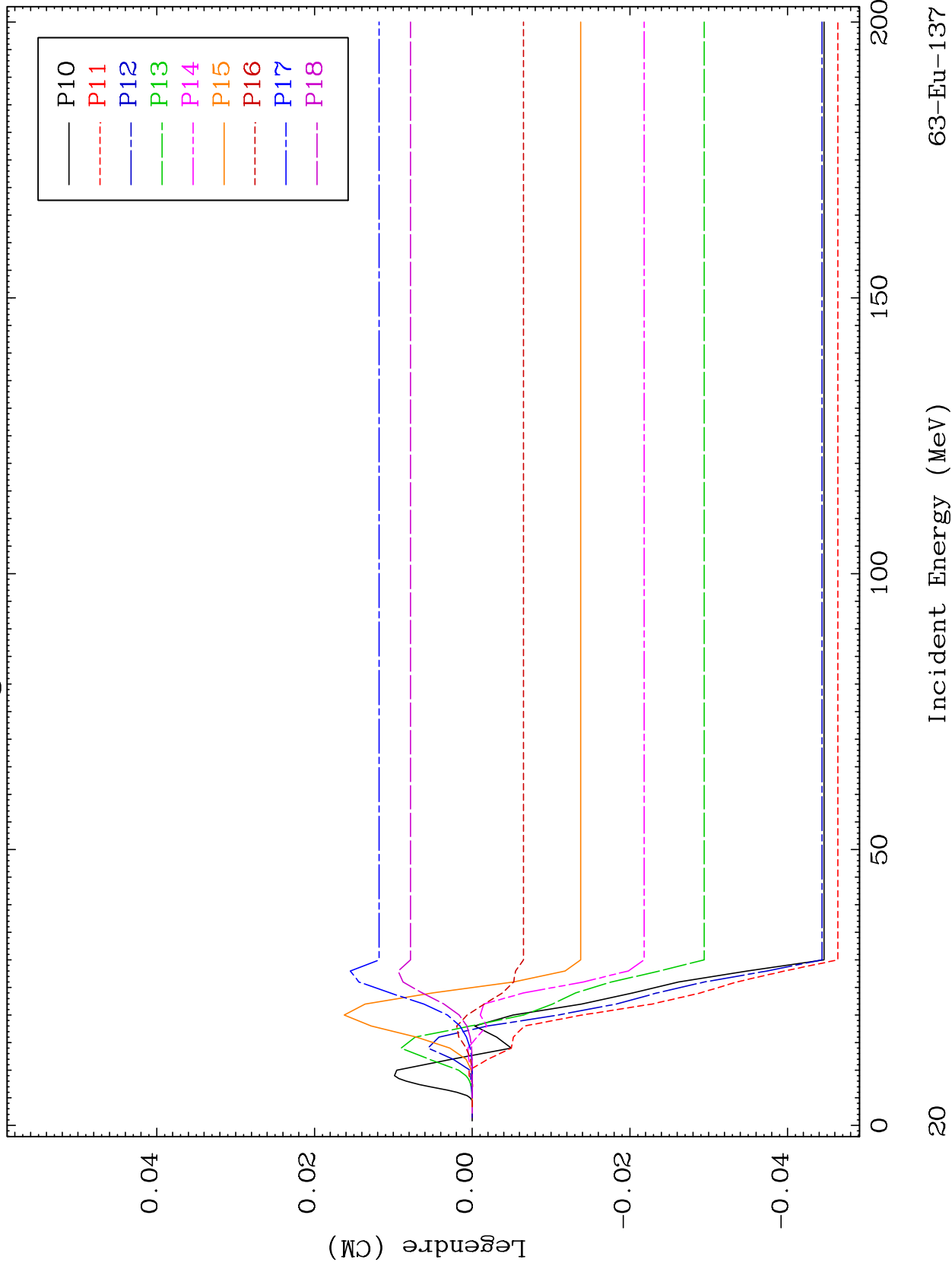
Incident Energy (MeV)

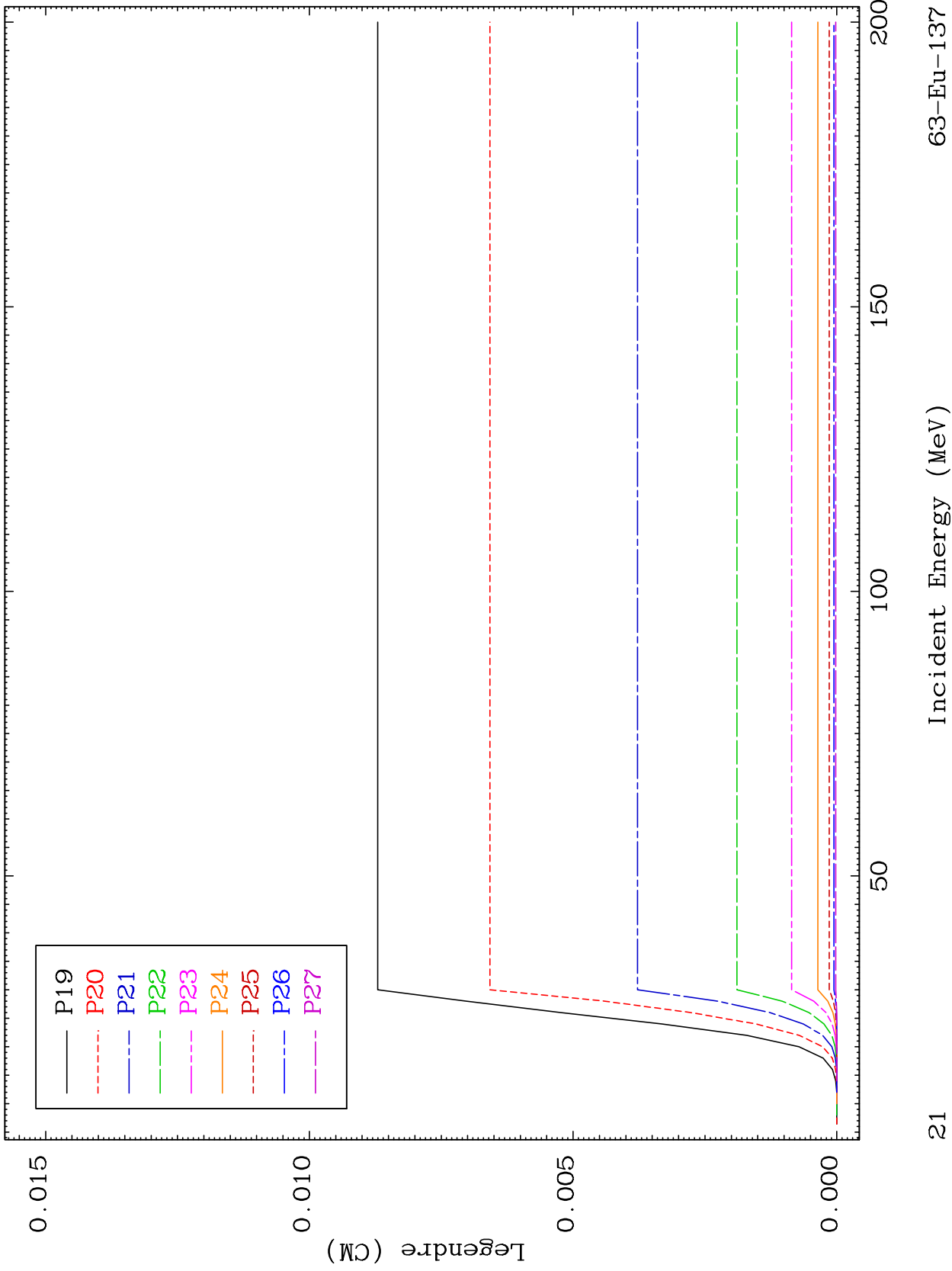
19

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

63-Eu-137





MAT 6283

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

63-Eu-137

$\times 10^{-6}$

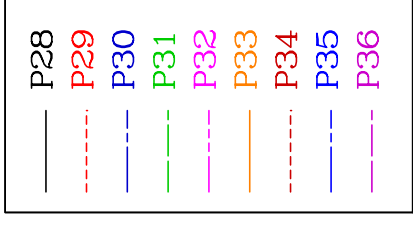
6

4

2

0

Legendre (CM)



50

100

150

200

22

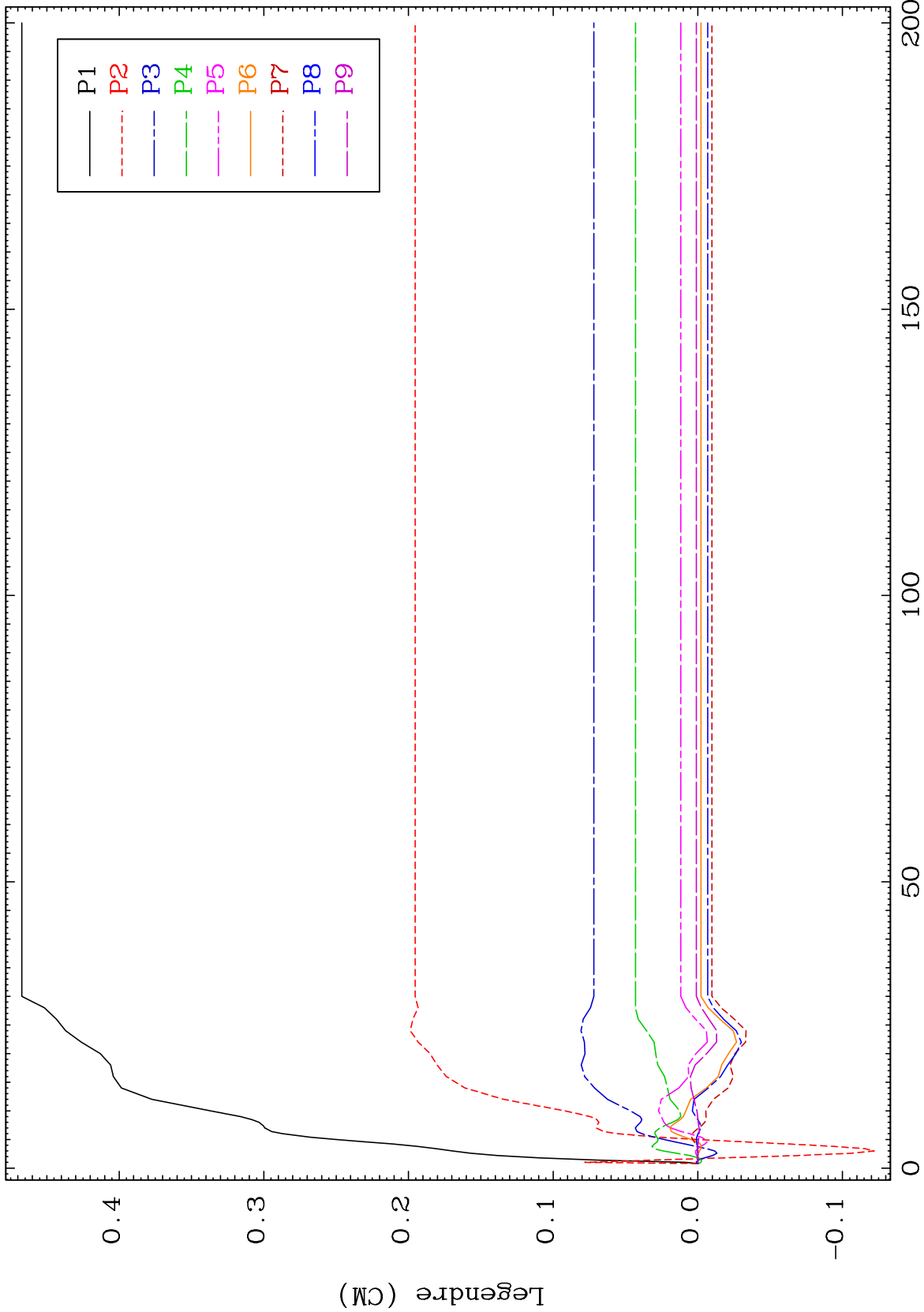
Incident Energy (MeV)

63-Eu-137

MAT 6283

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

63-Eu-137



23

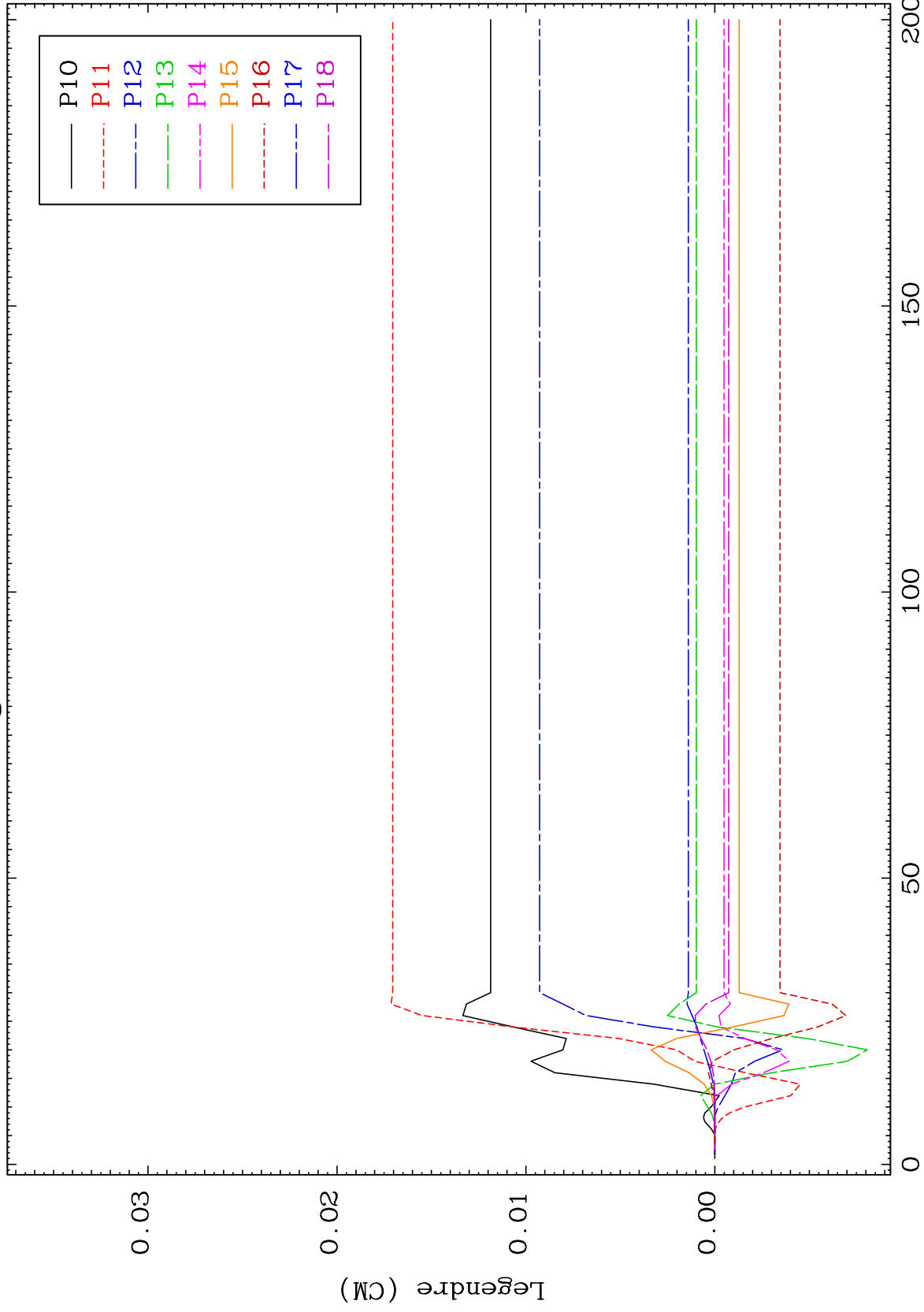
Incident Energy (MeV)

63-Eu-137

MAT 6283

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

63-Eu-137



24

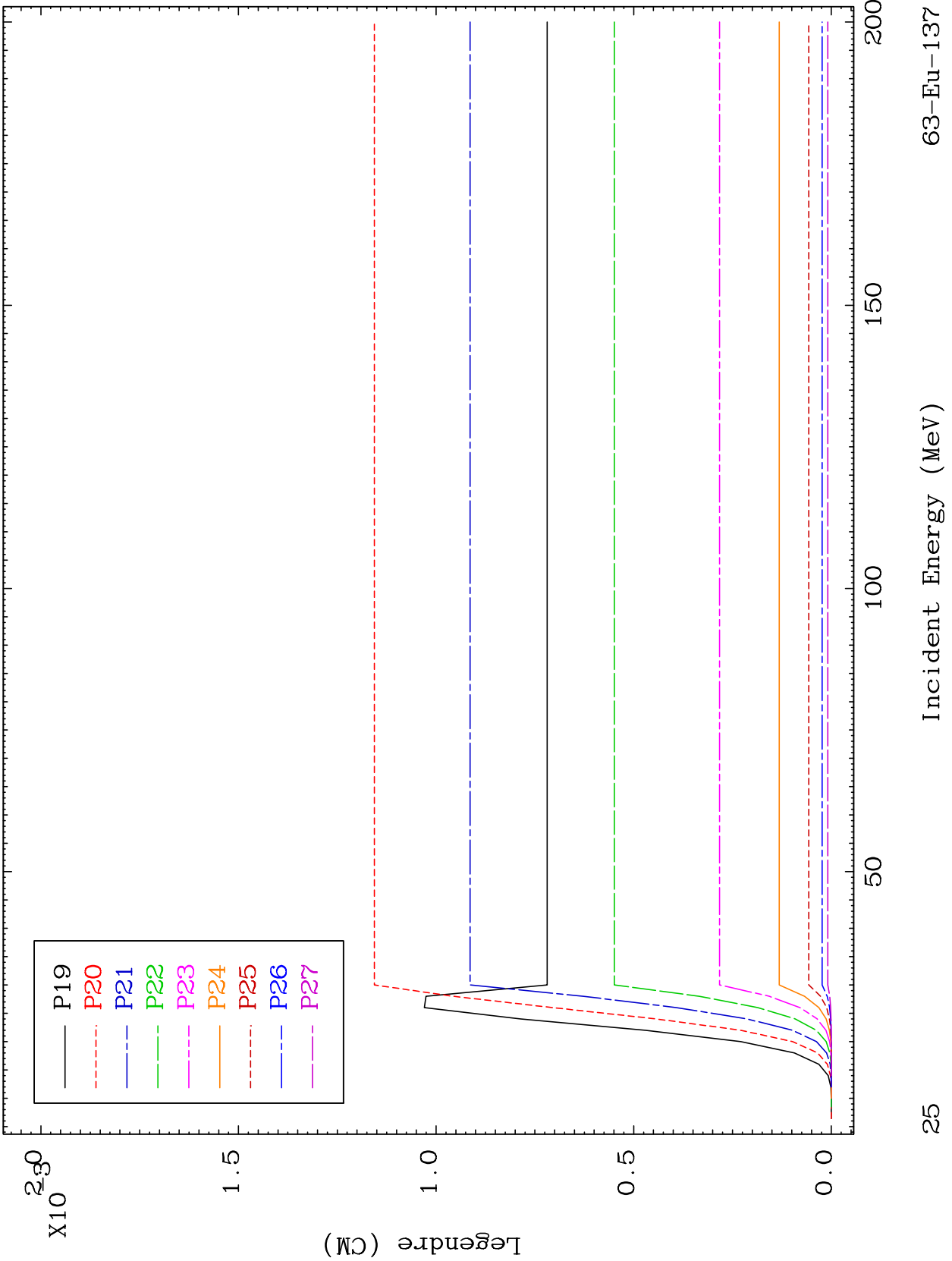
Incident Energy (MeV)

63-Eu-137

MAT 6283

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

63-Eu-137



25

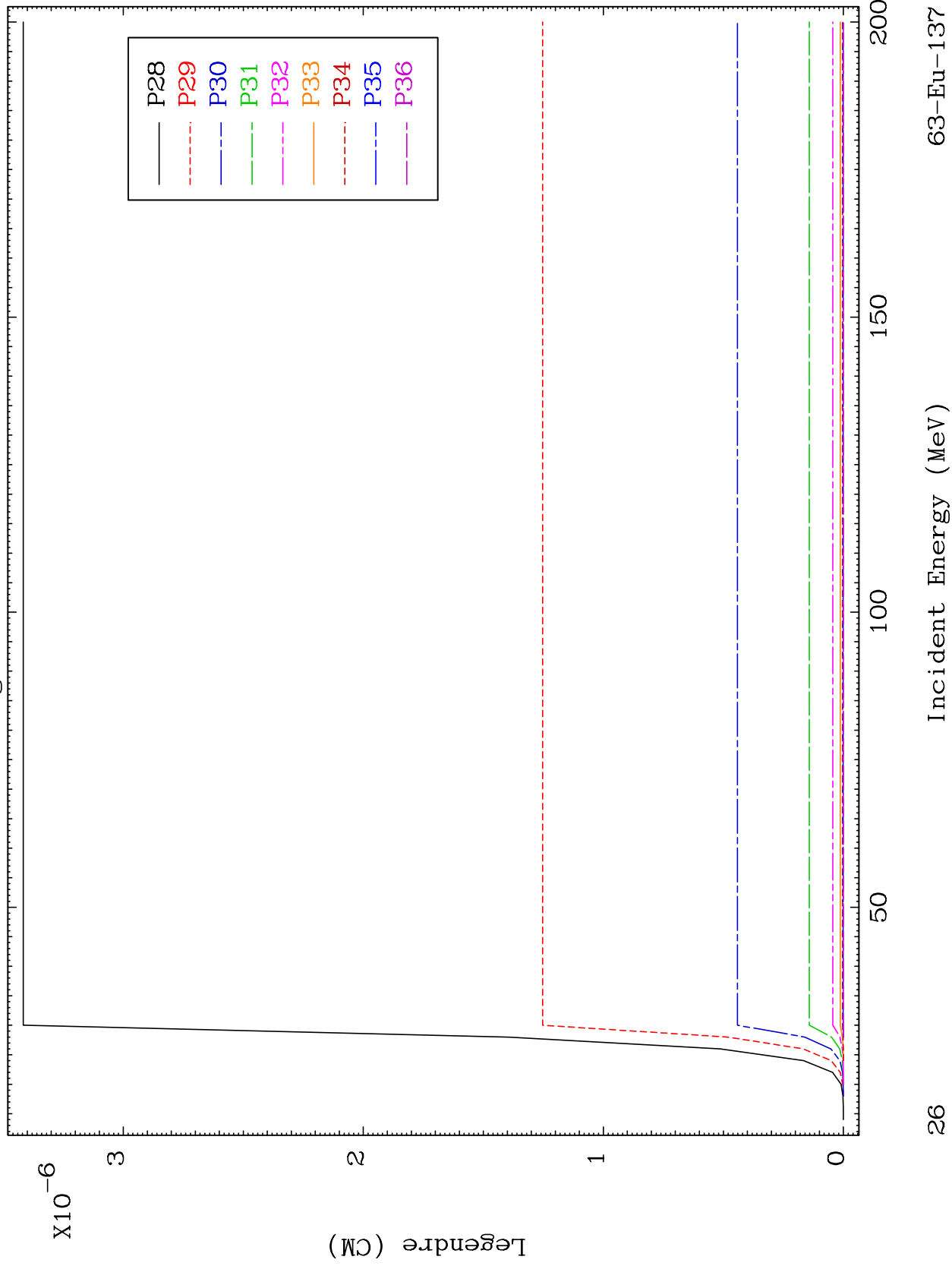
Incident Energy (MeV)

63-Eu-137

MAT 6283

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

63-Eu-137



26

Incident Energy (MeV)

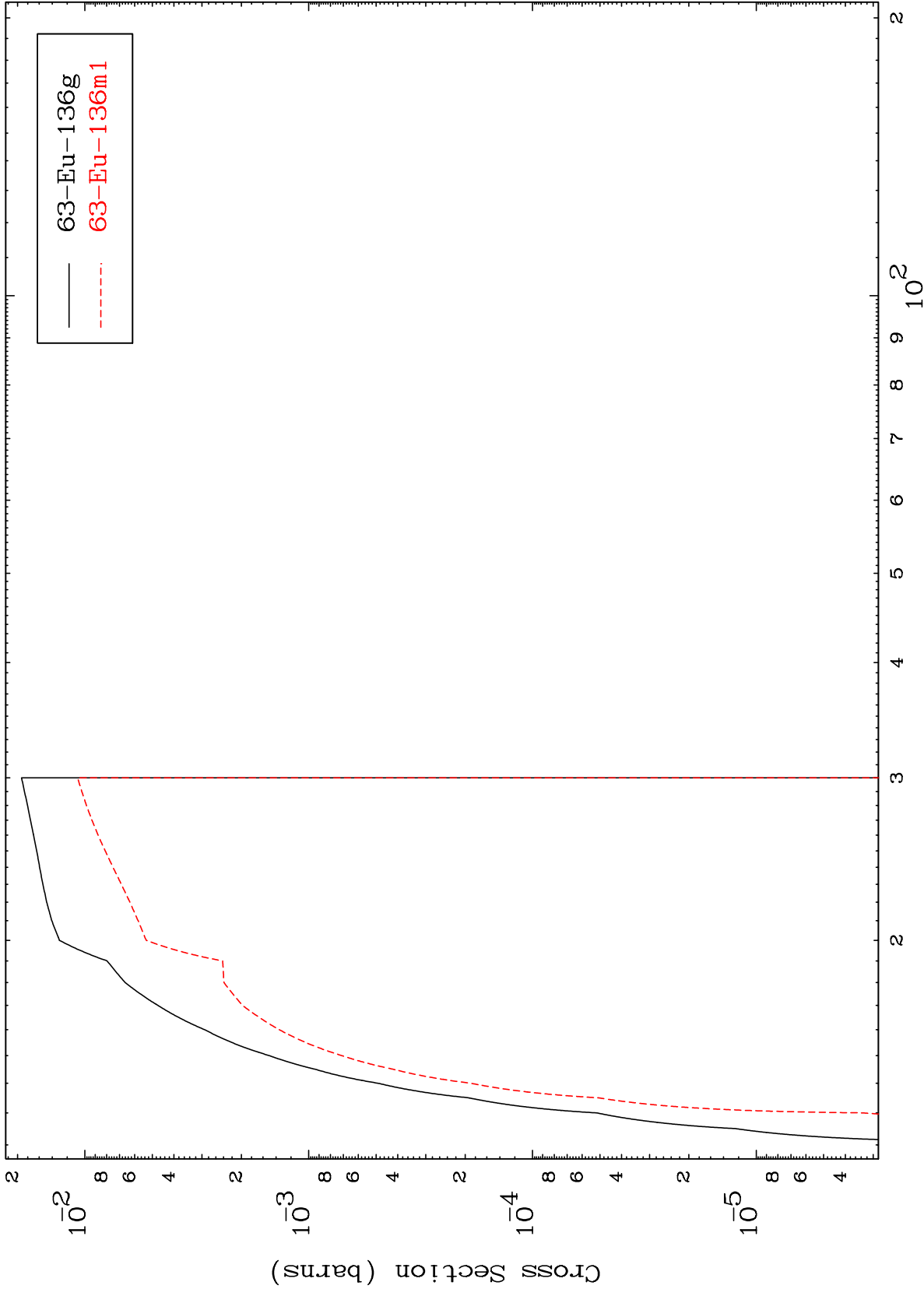
63-Eu-137

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(n,2n)

63-Eu-137

Radionuclide Production Cross Section



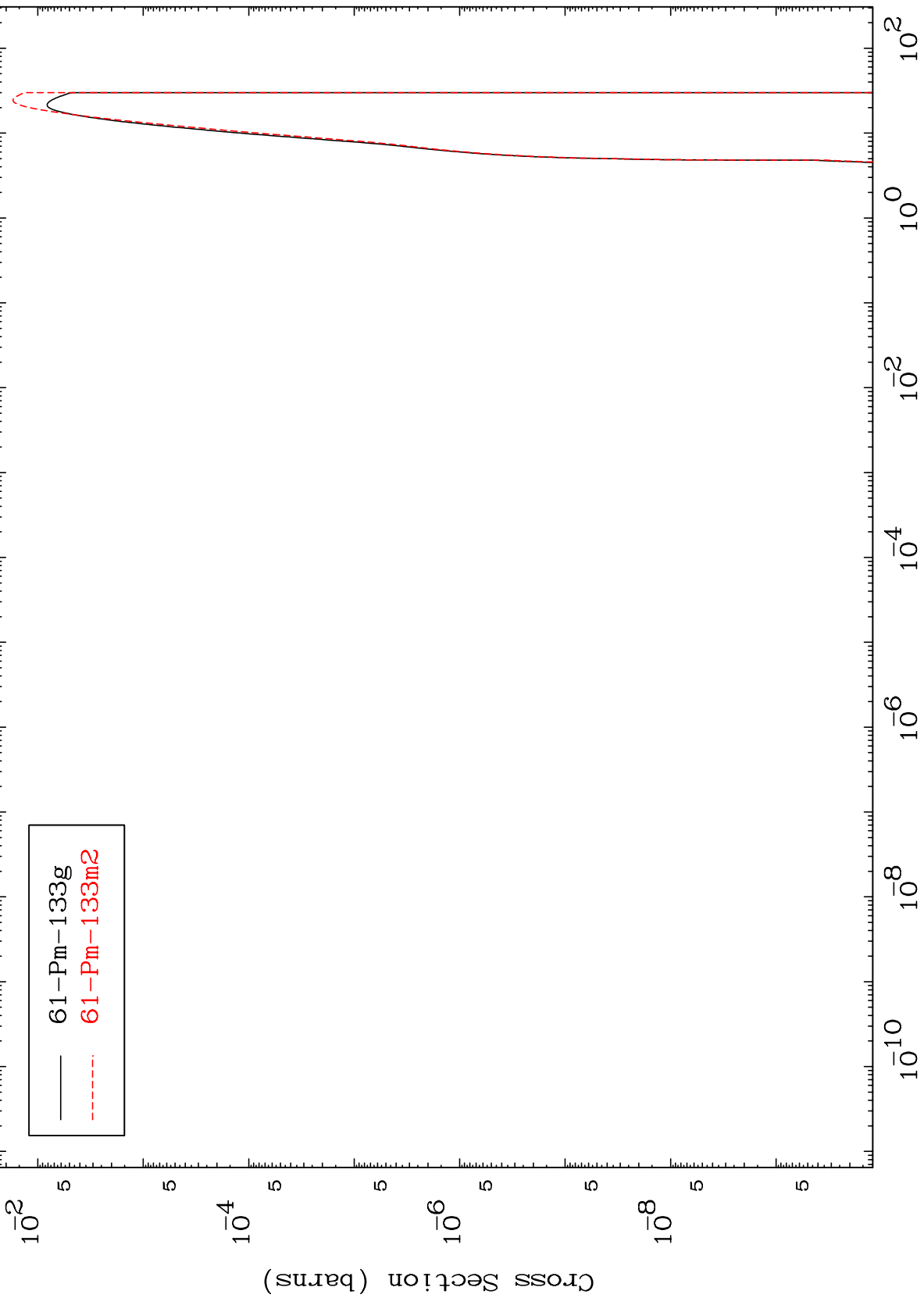
63-Eu-136g
63-Eu-136m1

MAT 6283

$(n, n') \alpha$

63-Eu-137

Radionuclide Production Cross Section

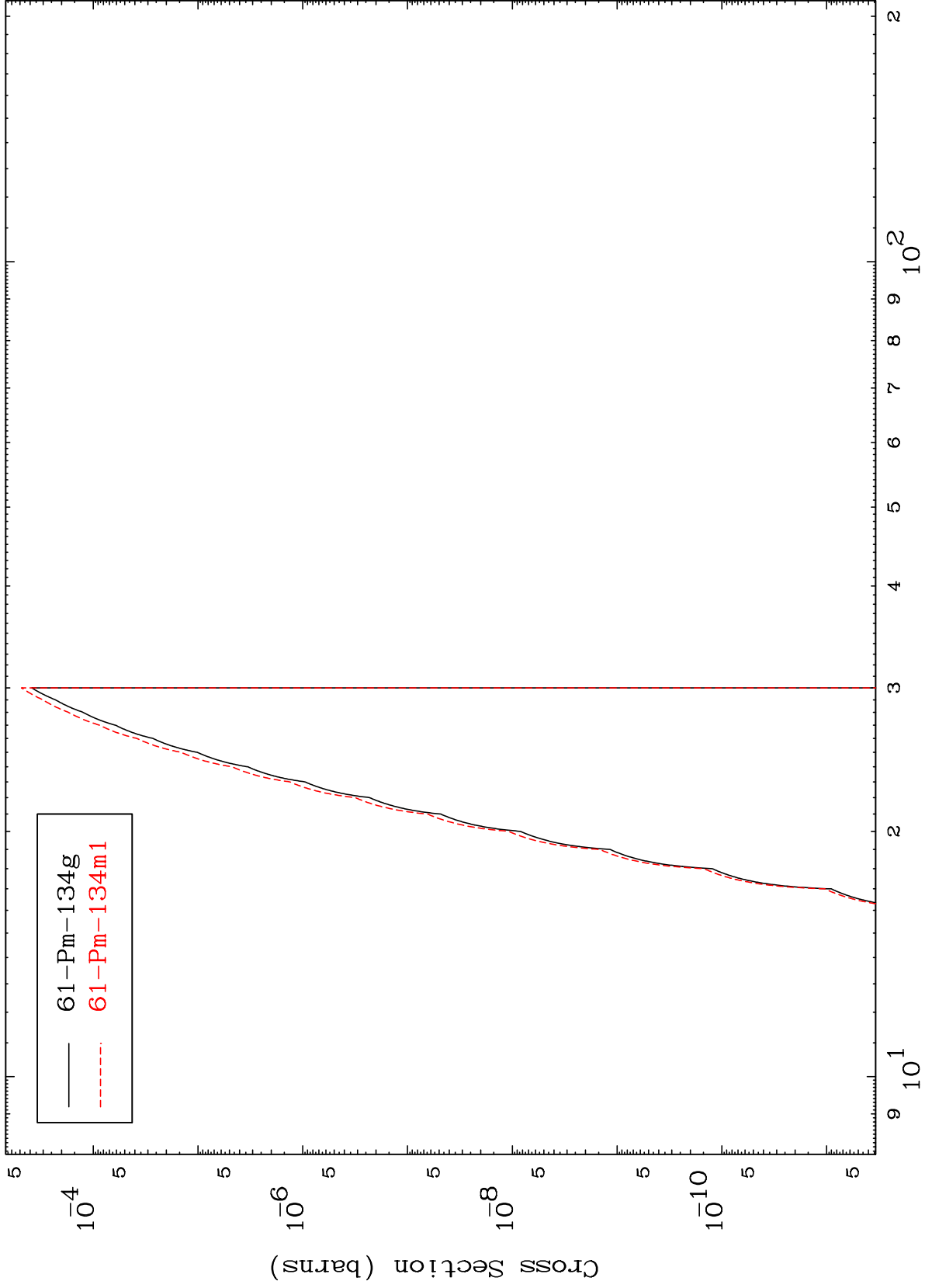


MAT 6283

(n,n') He-3

63-Eu-137

Radionuclide Production Cross Section



29

Incident Energy (MeV)

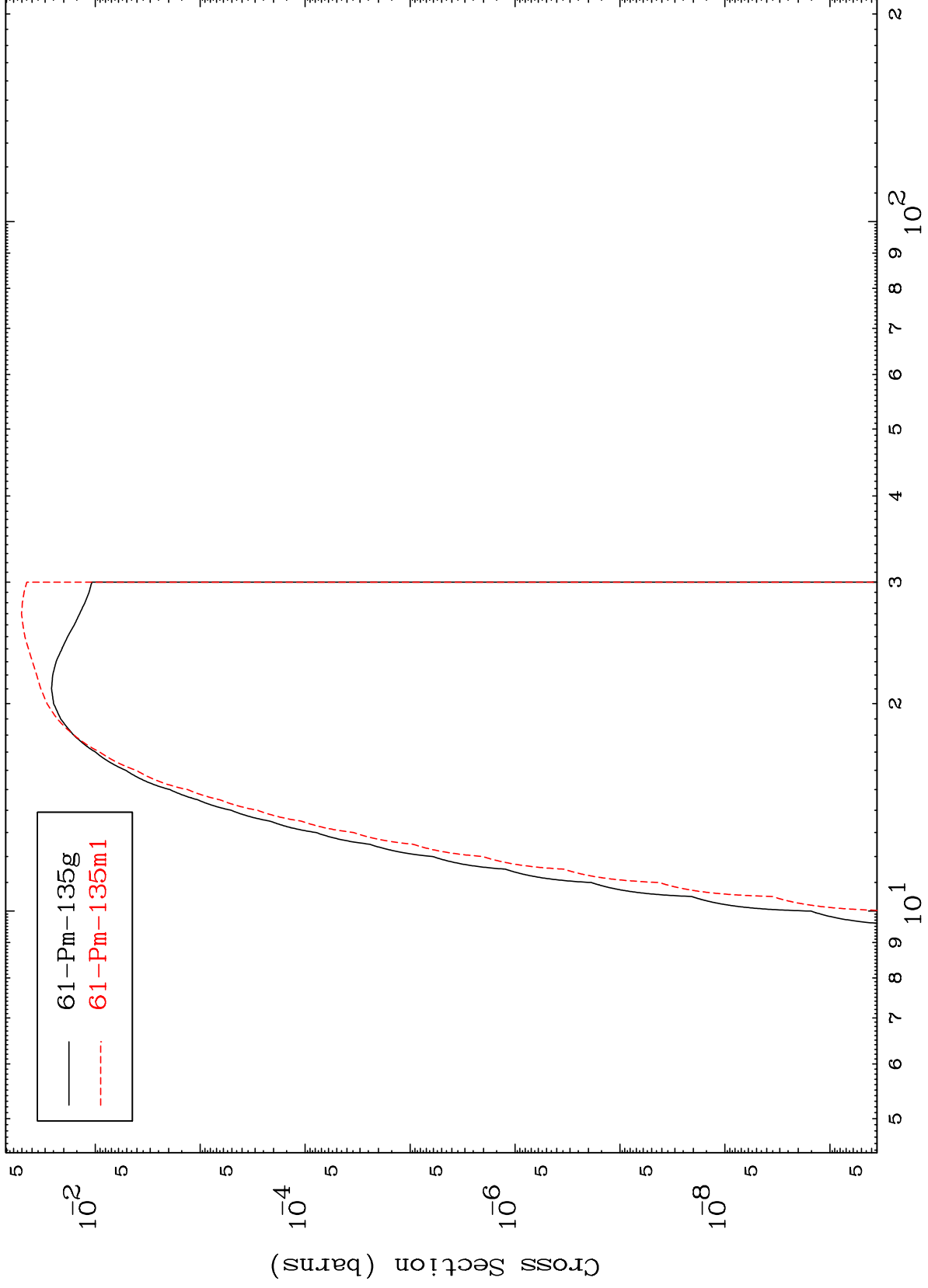
63-Eu-137

MAT 6283

(n,2n) p

63-Eu-137

Radionuclide Production Cross Section



30

Incident Energy (MeV)

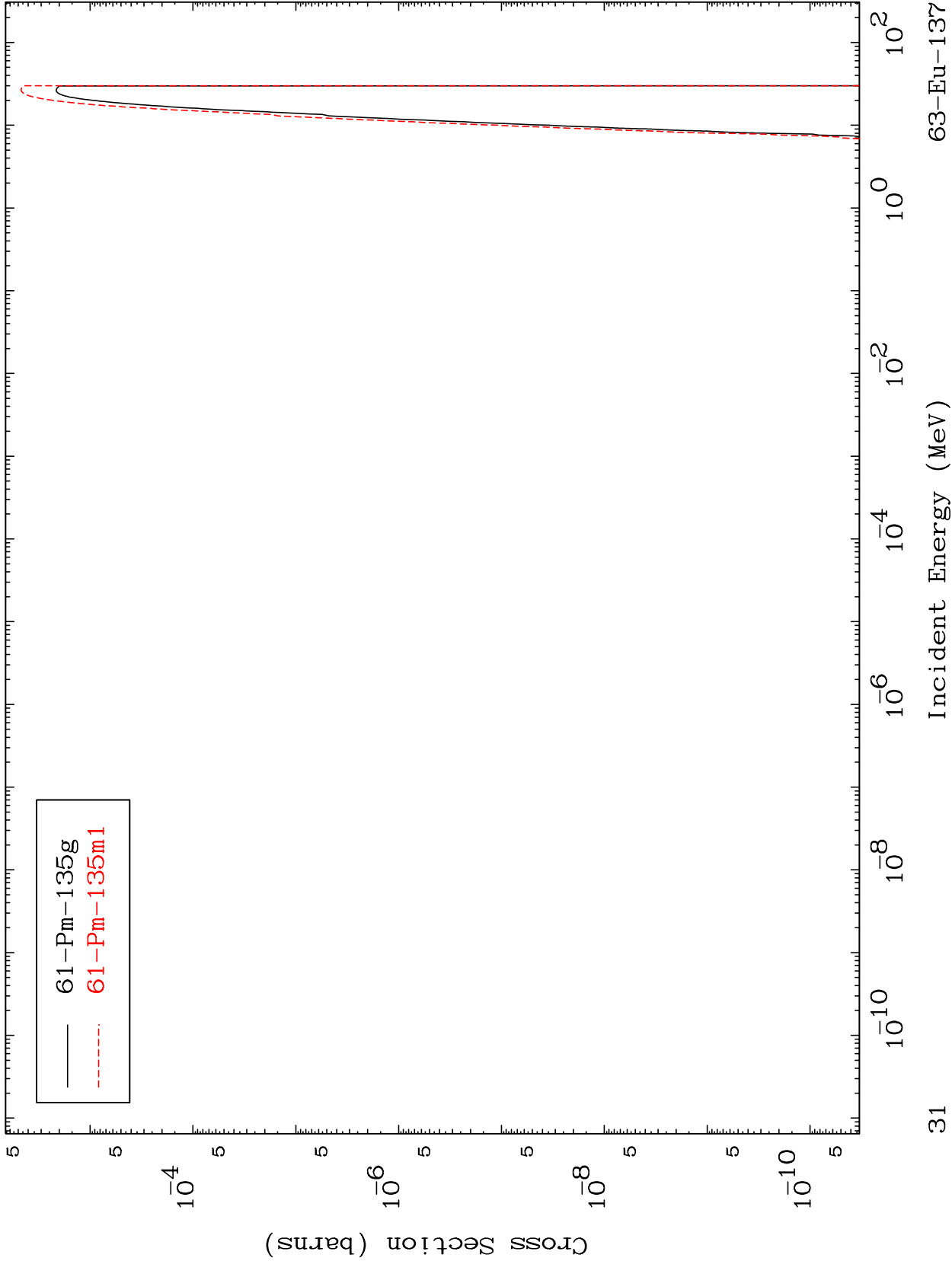
63-Eu-137

MAT 6283

(n,He-3)

63-Eu-137

Radionuclide Production Cross Section

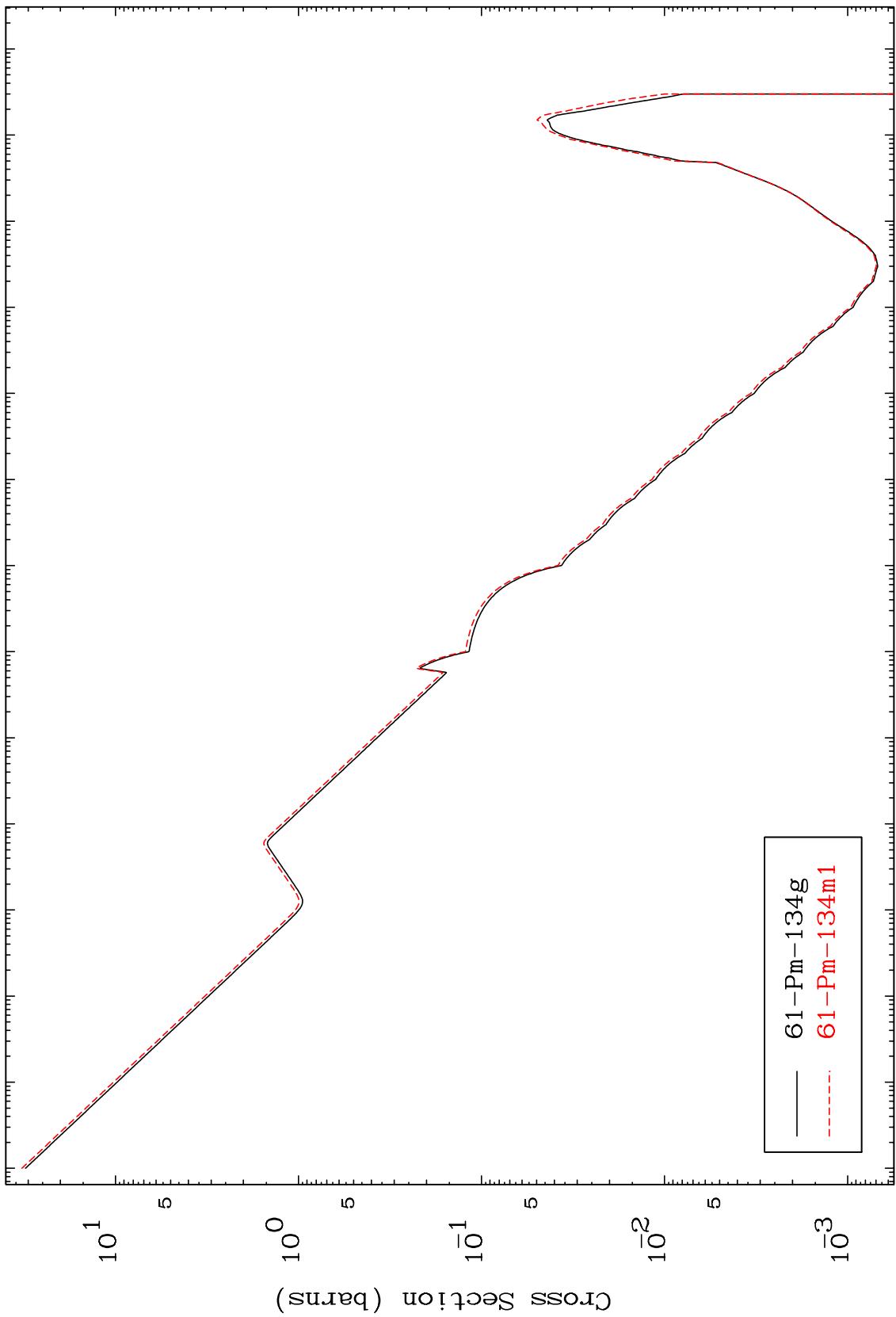


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63-Eu-137

Radionuclide Production Cross Section

(n, α)



63-Eu-137

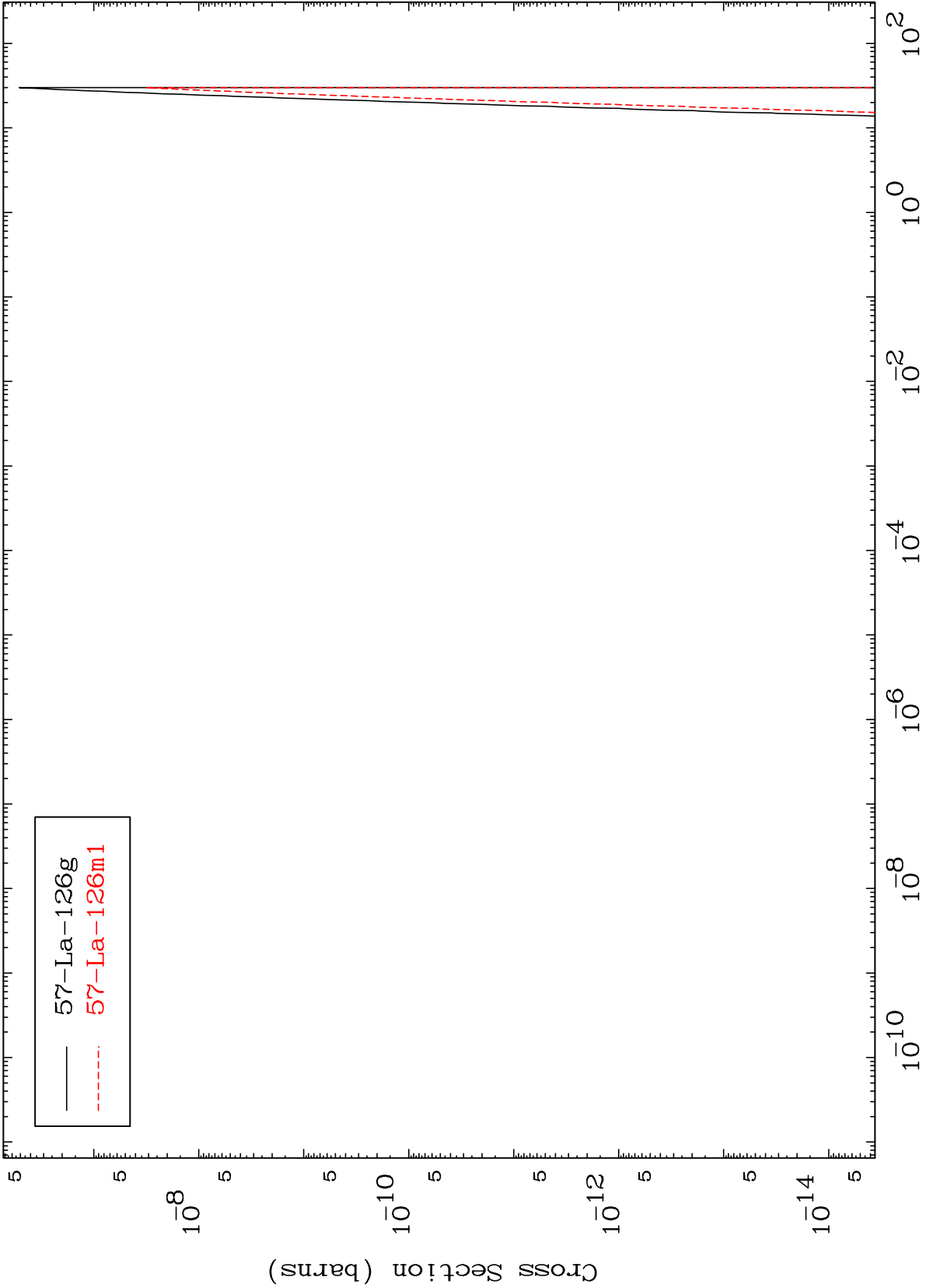
Incident Energy (MeV)

MAT 6283

(n, 3 α)

63-Eu-137

Radionuclide Production Cross Section

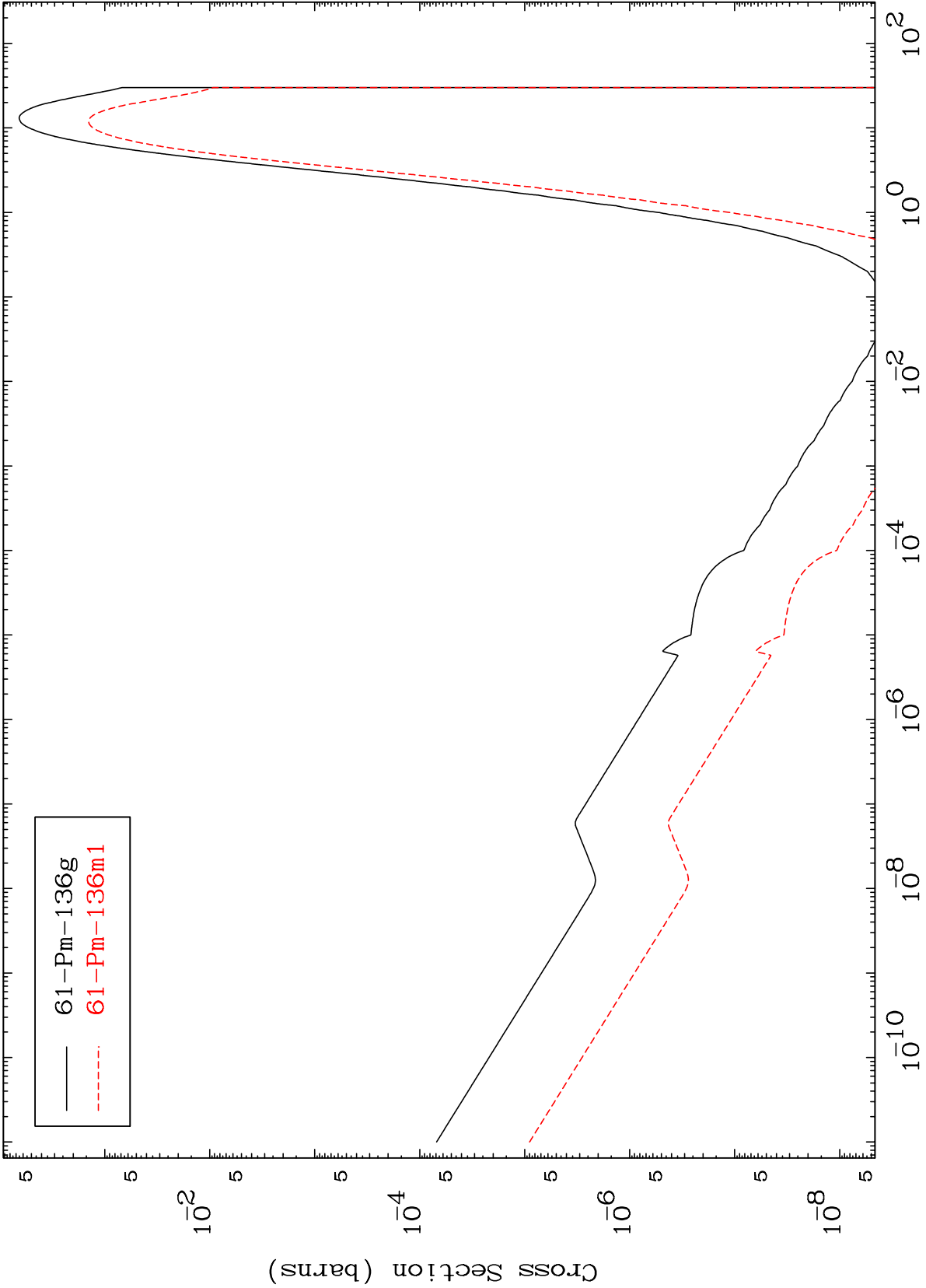


MAT 6283

(n,2p)

63-Eu-137

Radionuclide Production Cross Section

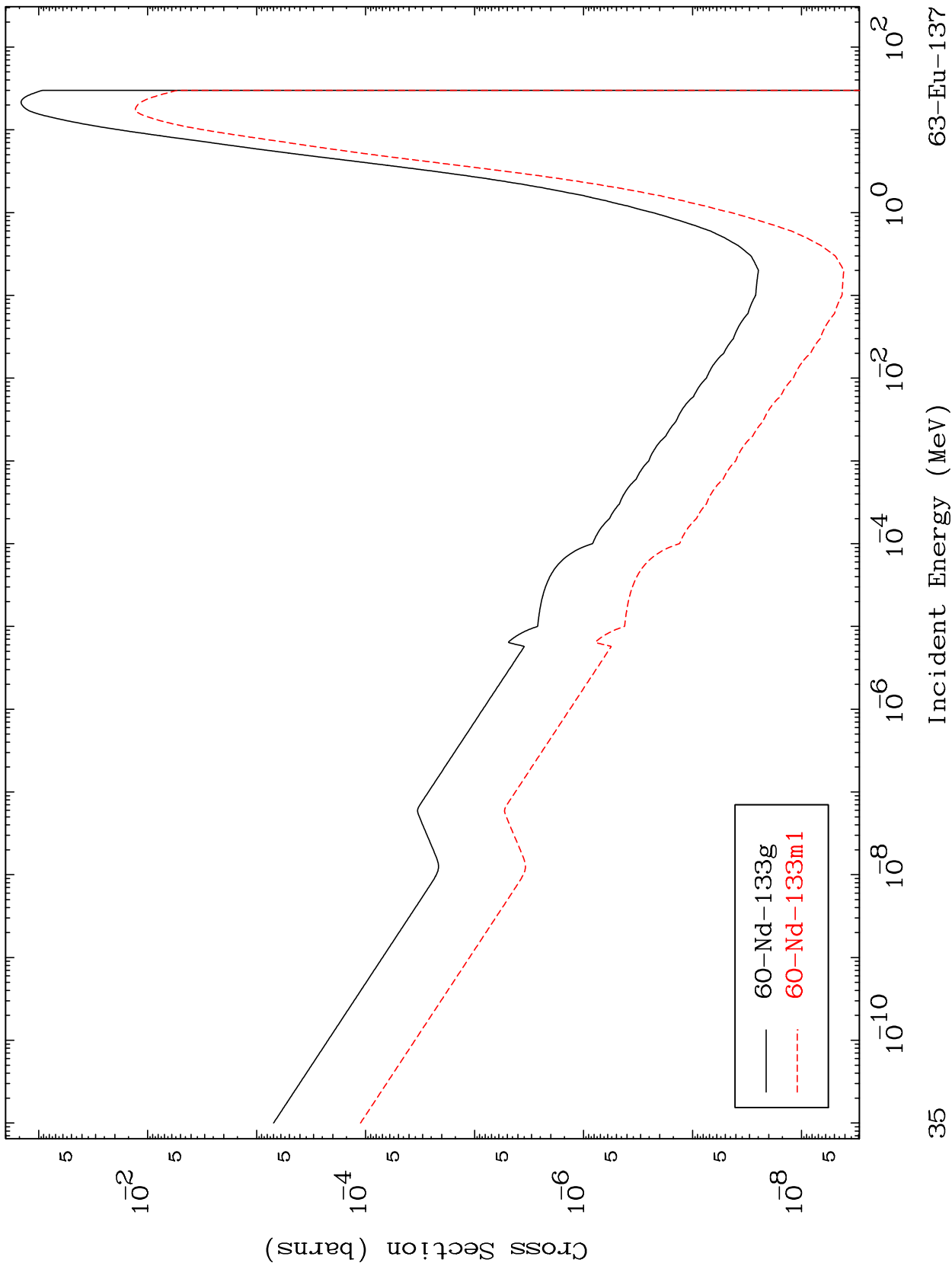


MAT 6283

(n,p) α

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

Radionuclide Production Cross Section

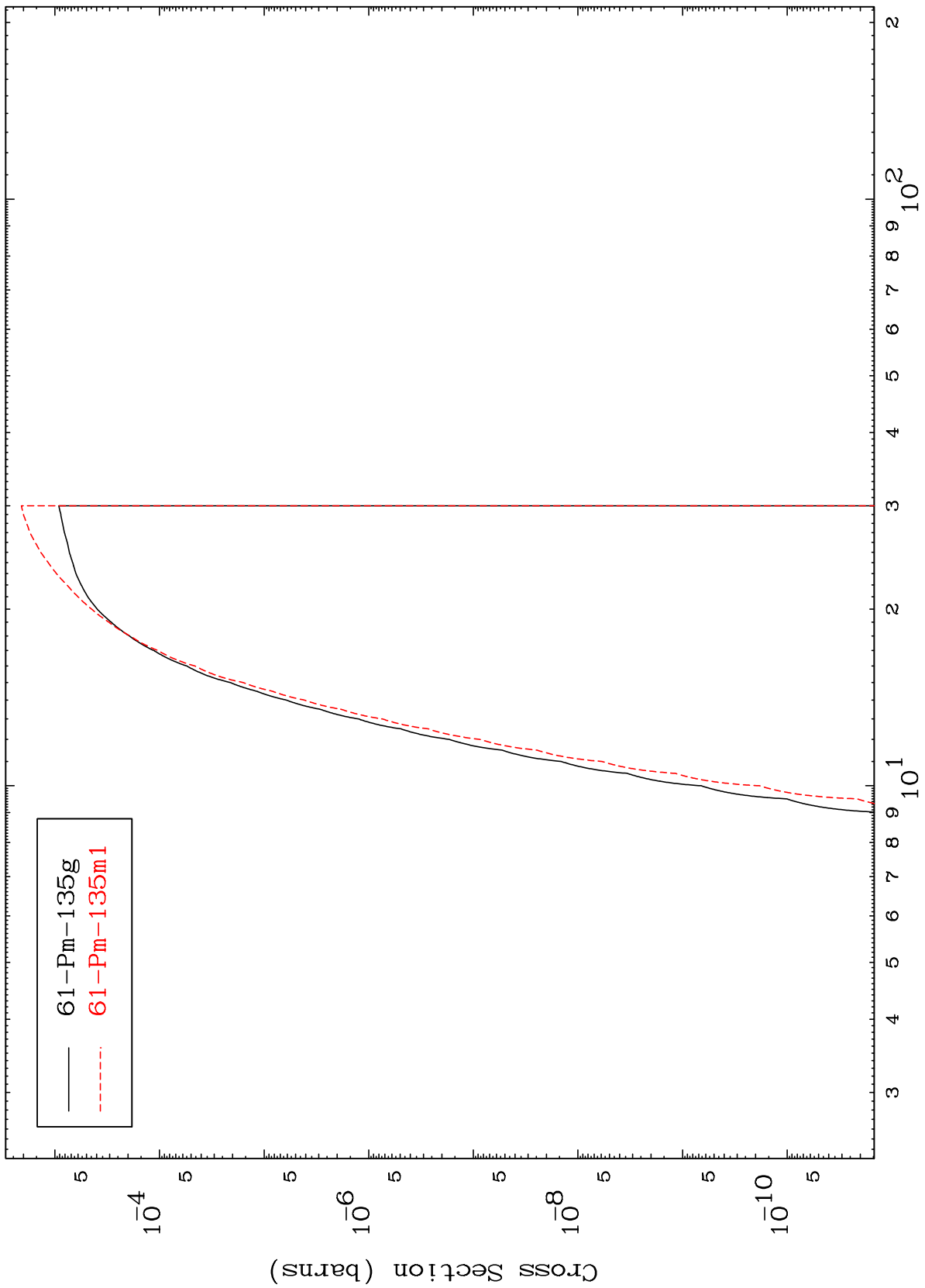


35

Incident Energy (MeV)

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

Radionuclide Production Cross Section

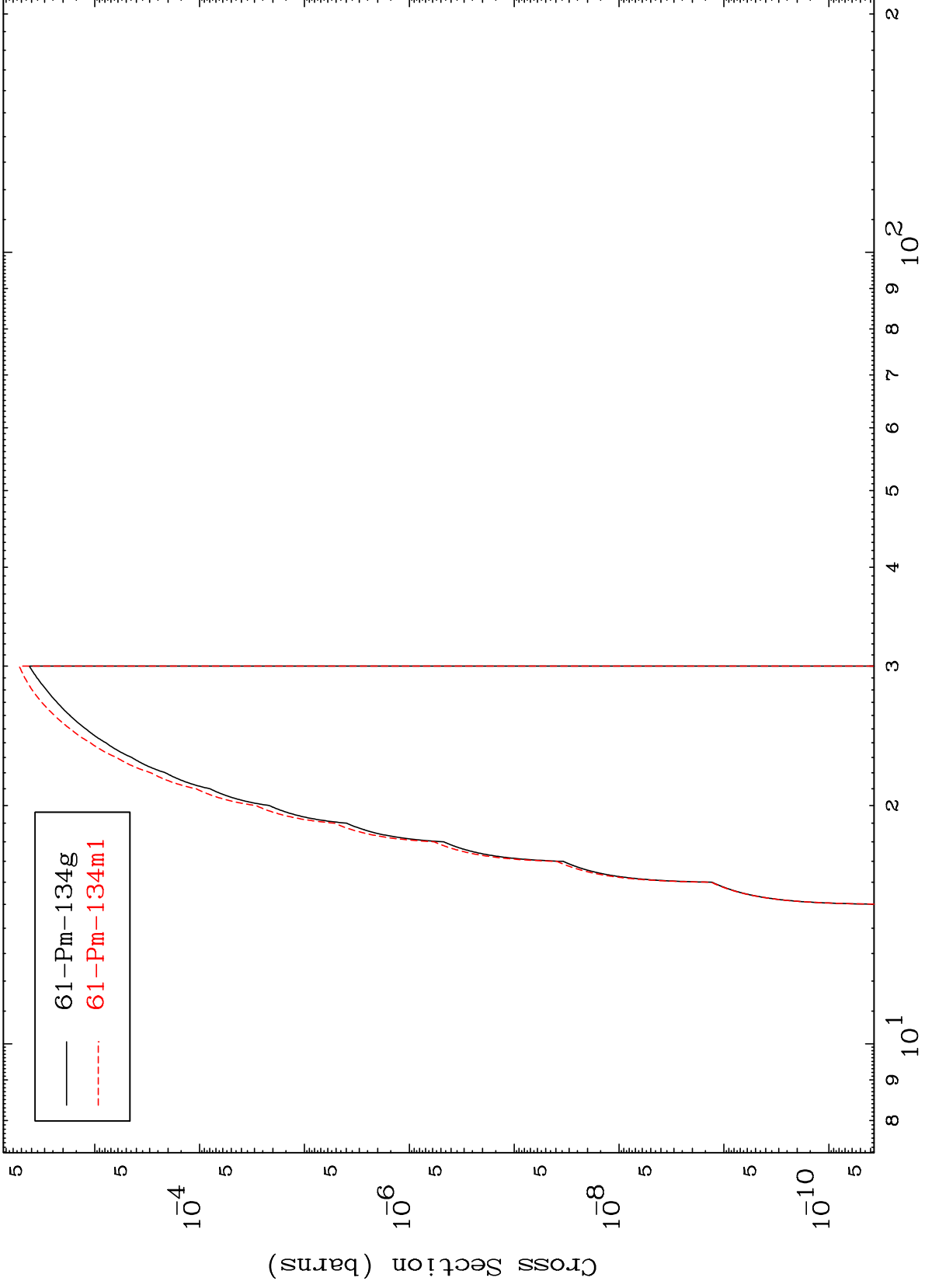


MAT 6283

(n,p) t

63-Eu-137

Radionuclide Production Cross Section



37

Incident Energy (MeV)

63-Eu-137