

Program EVALPLOT
(Version 2018-1)

by

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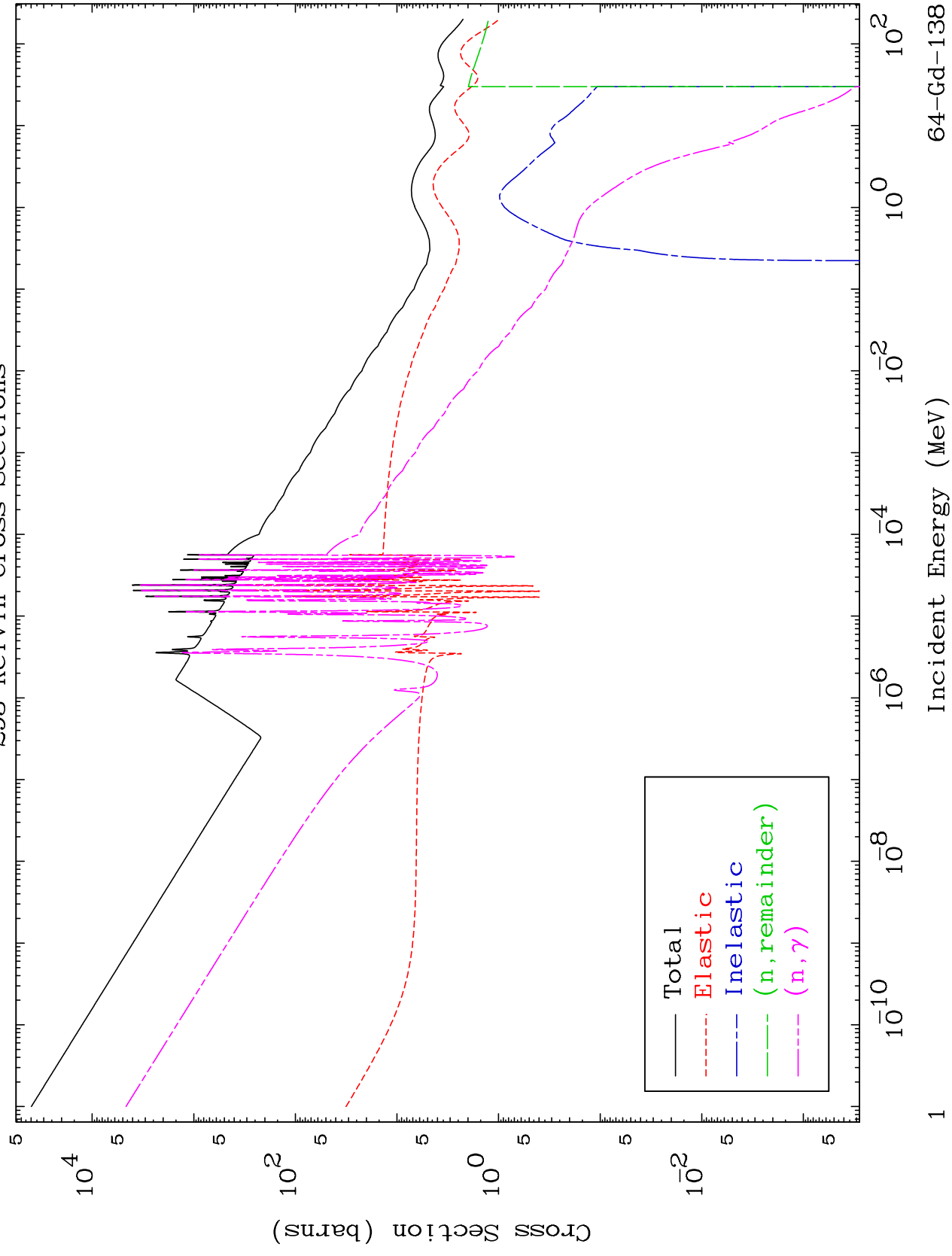
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6383

Major
293 Kelvin Cross Sections

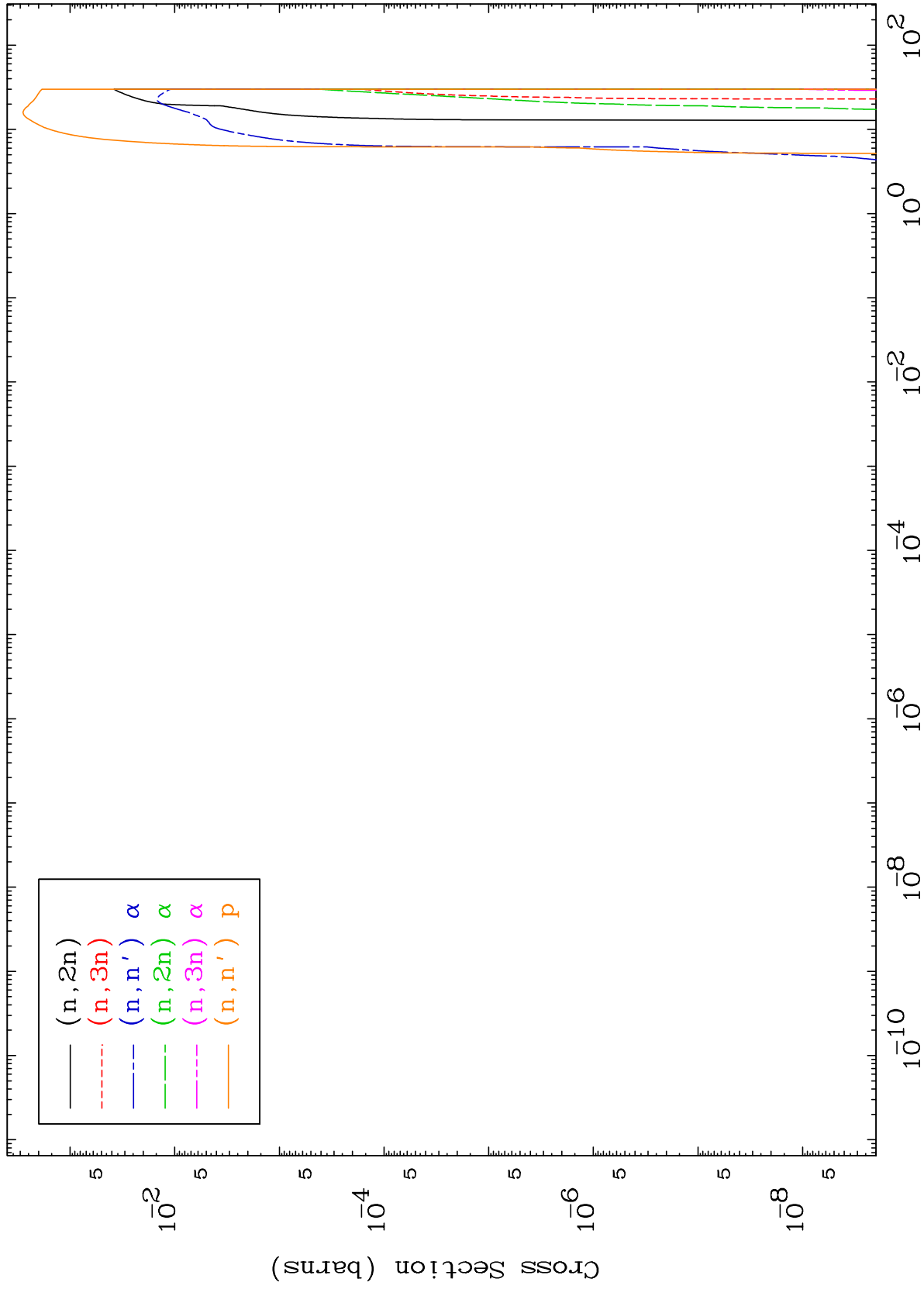
64-Gd-138



MAT 6383

Neutron Production
293 Kelvin Cross Sections

64-Gd-138

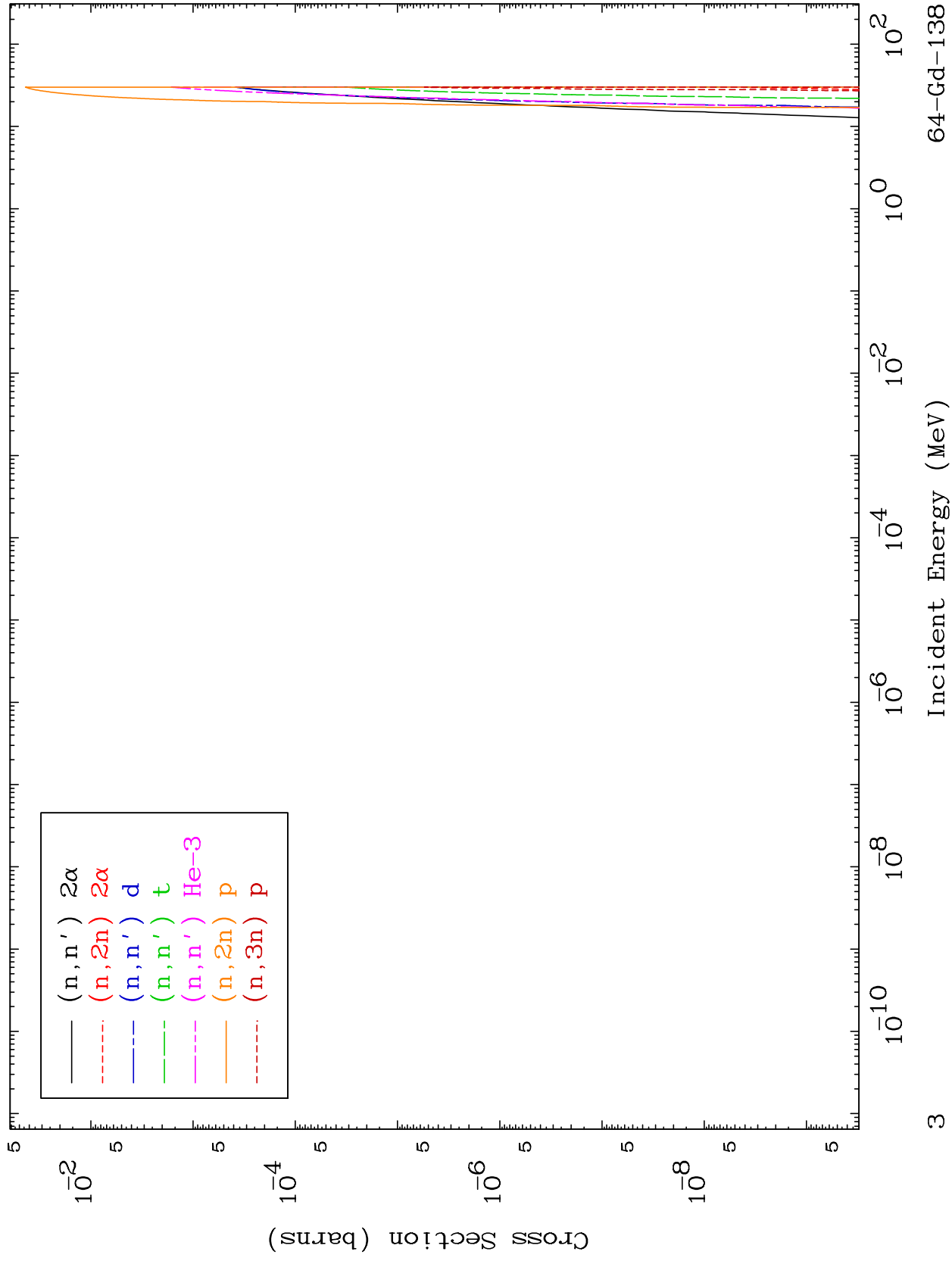


64-Gd-138

MAT 6383

Neutron Production
293 Kelvin Cross Sections

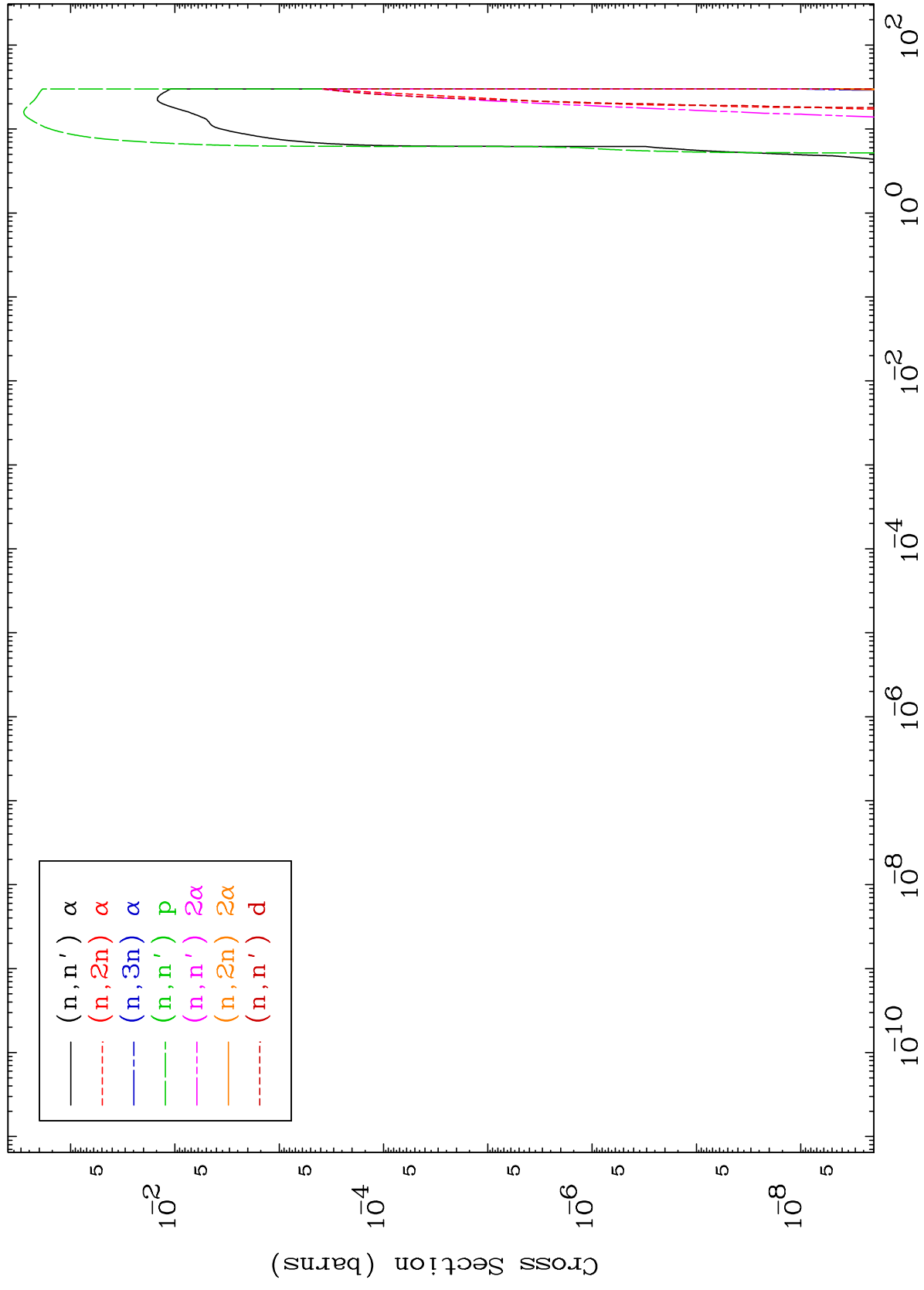
64-Gd-138



MAT 6383

293 Charged Particle
Kelvin Cross Sections

64-Gd-138

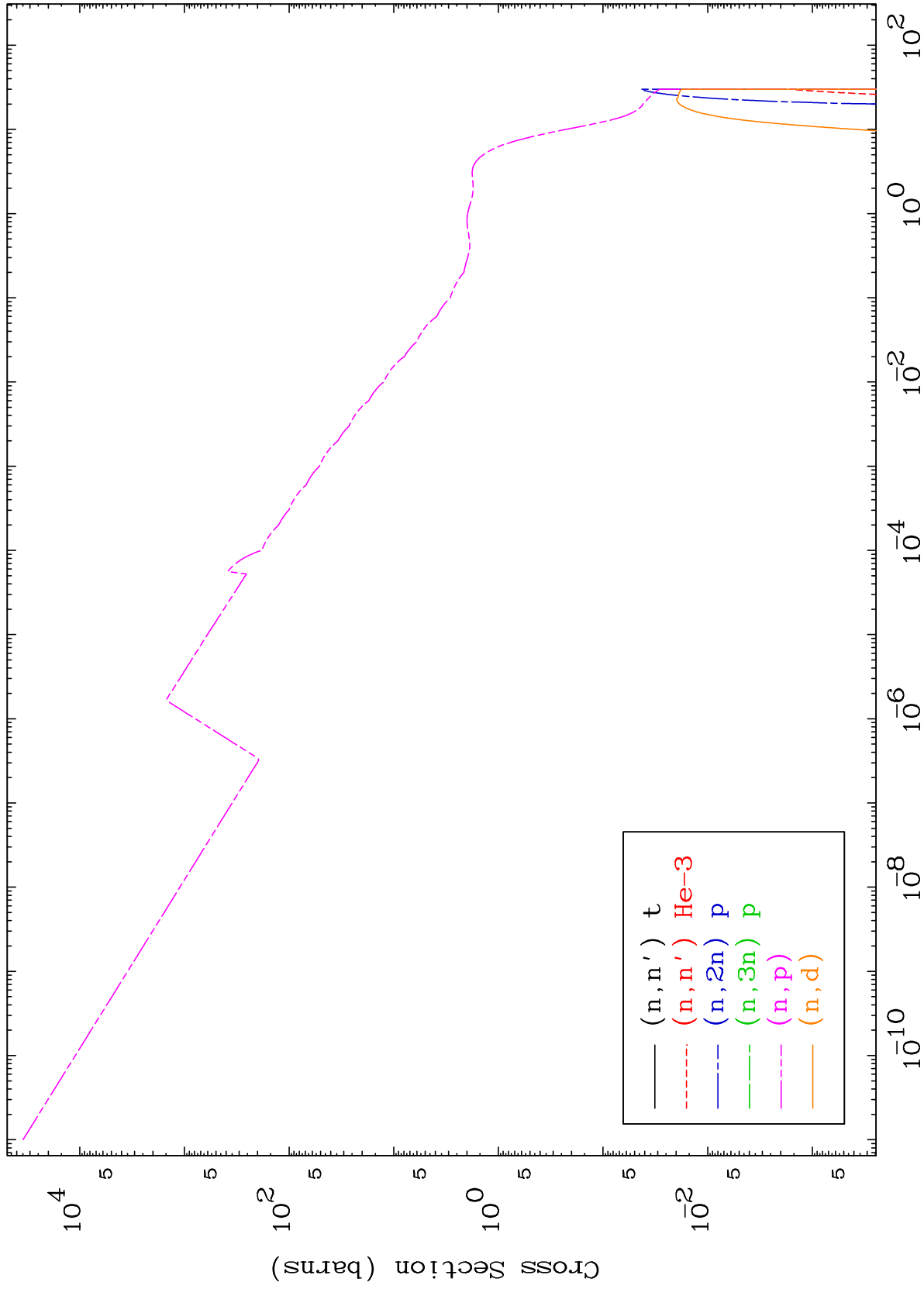


64-Gd-138

MAT 6383

293 Charged Particle
Kelvin Cross Sections

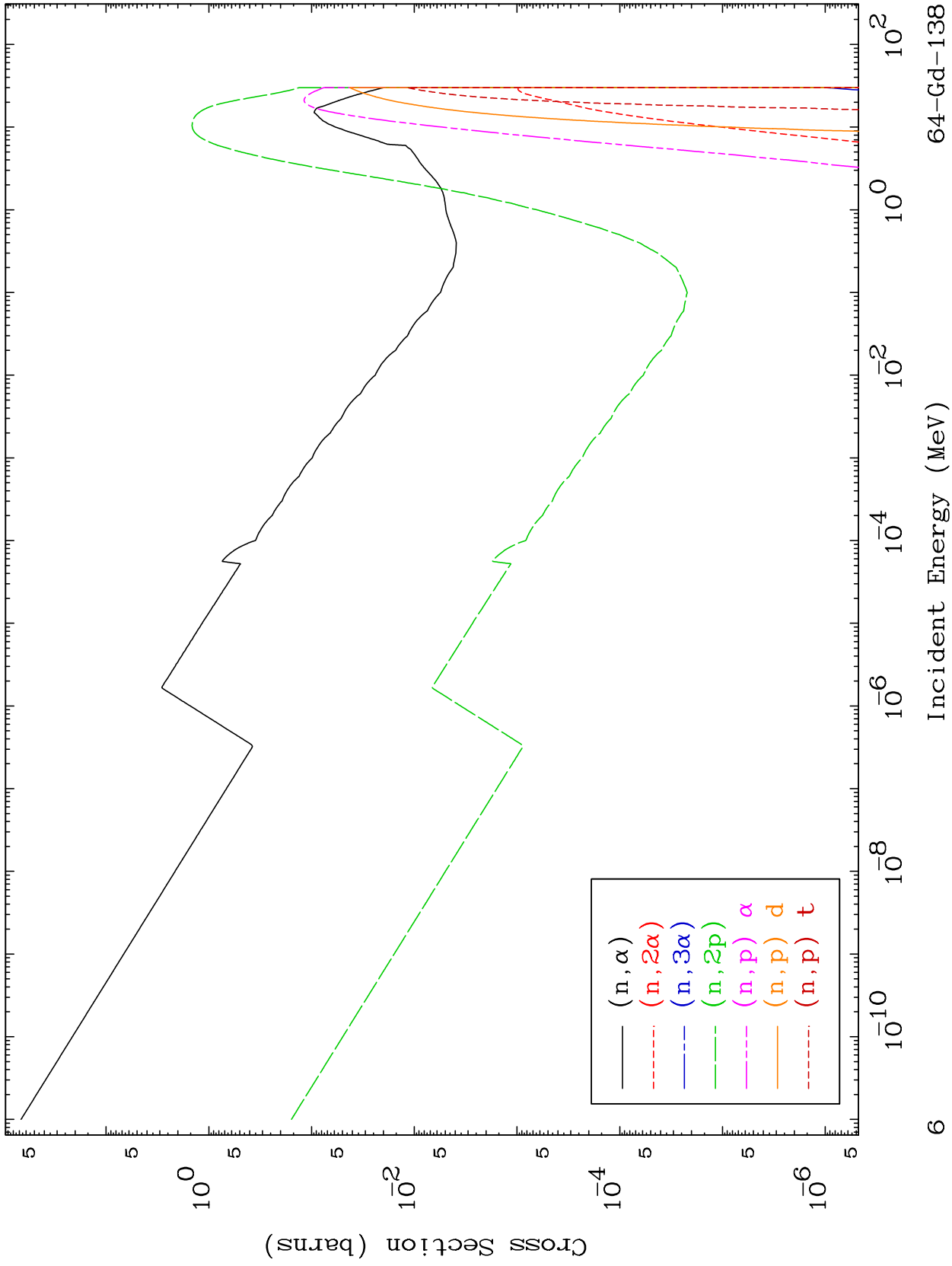
64-Gd-138



MAT 6383

Charged Particle
293 Kelvin Cross Sections

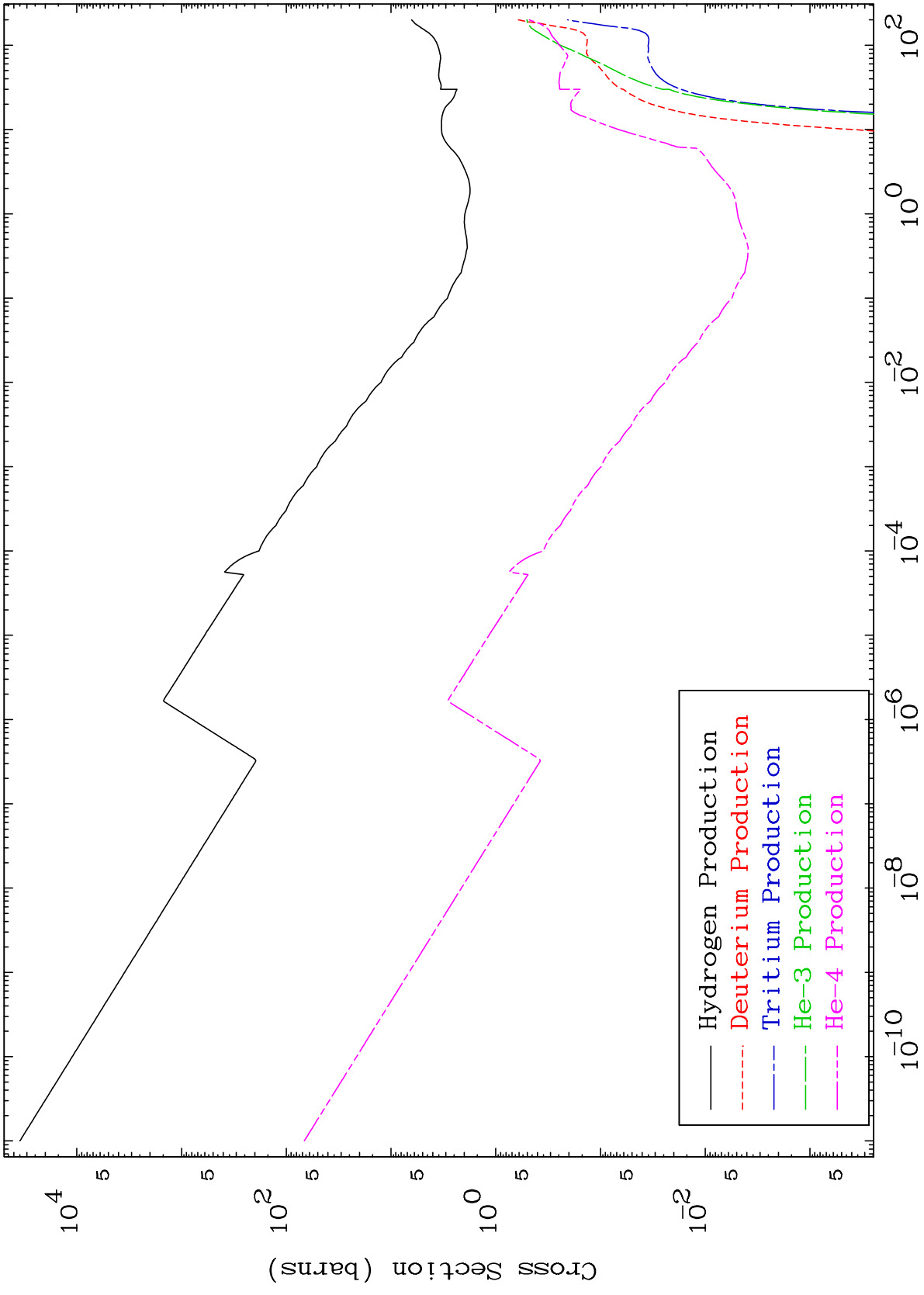
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MAT 6383

Particle Production
293 Kelvin Cross Sections

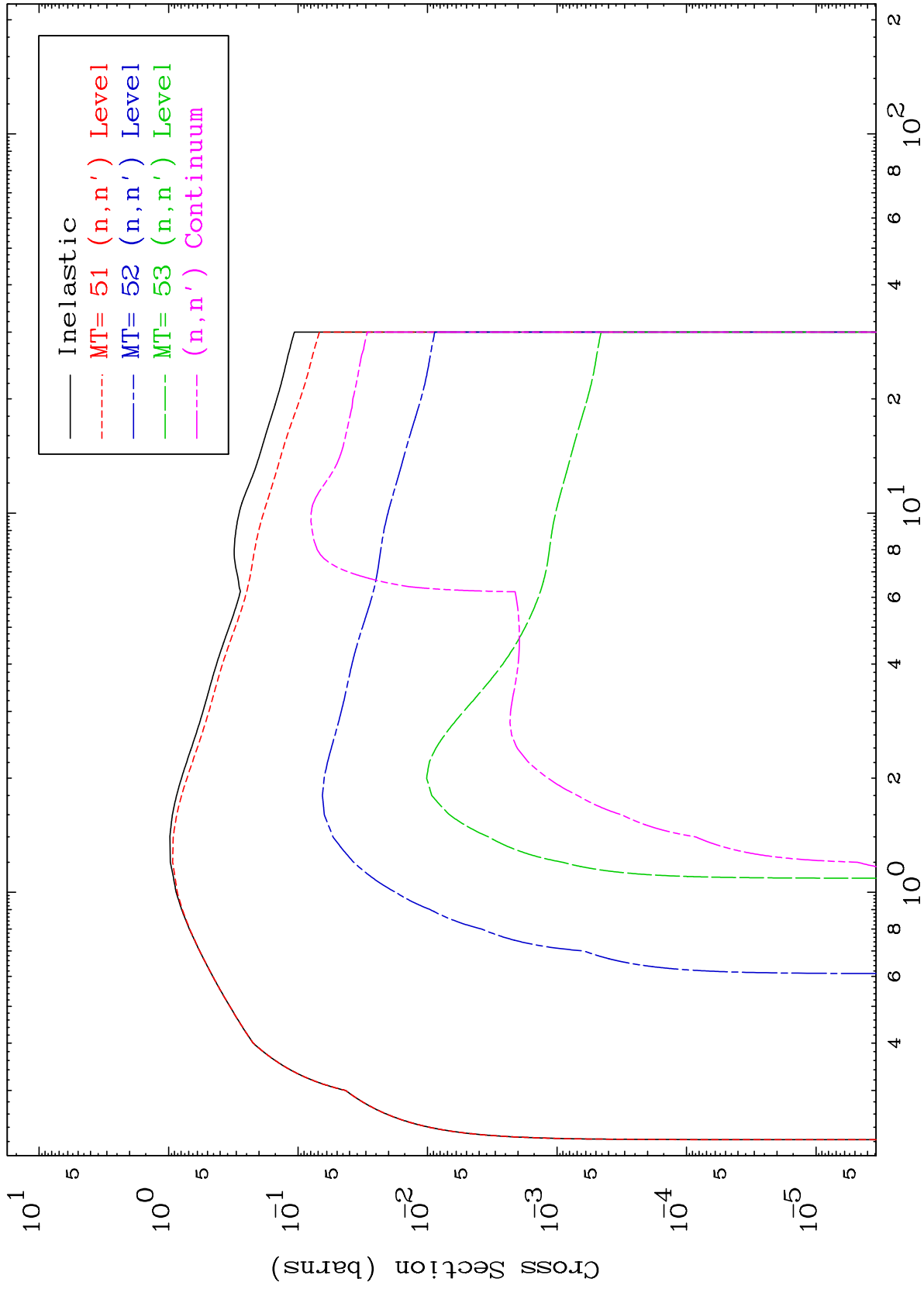
64-Gd-138



MAT 6383

(n,n') Level
293 Kelvin Cross Sections

64-Gd-138



8

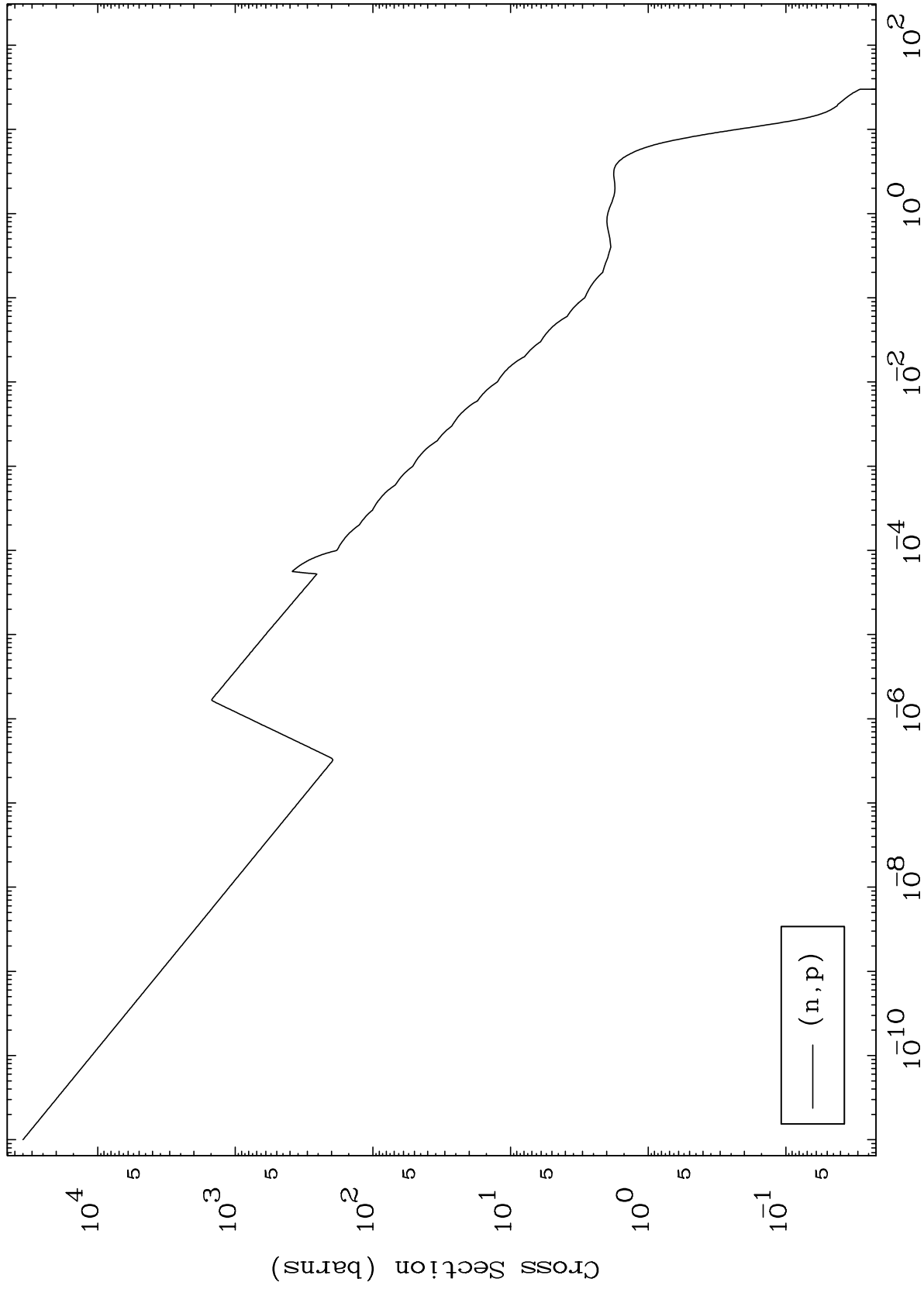
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,p) Levels
293 Kelvin Cross Sections

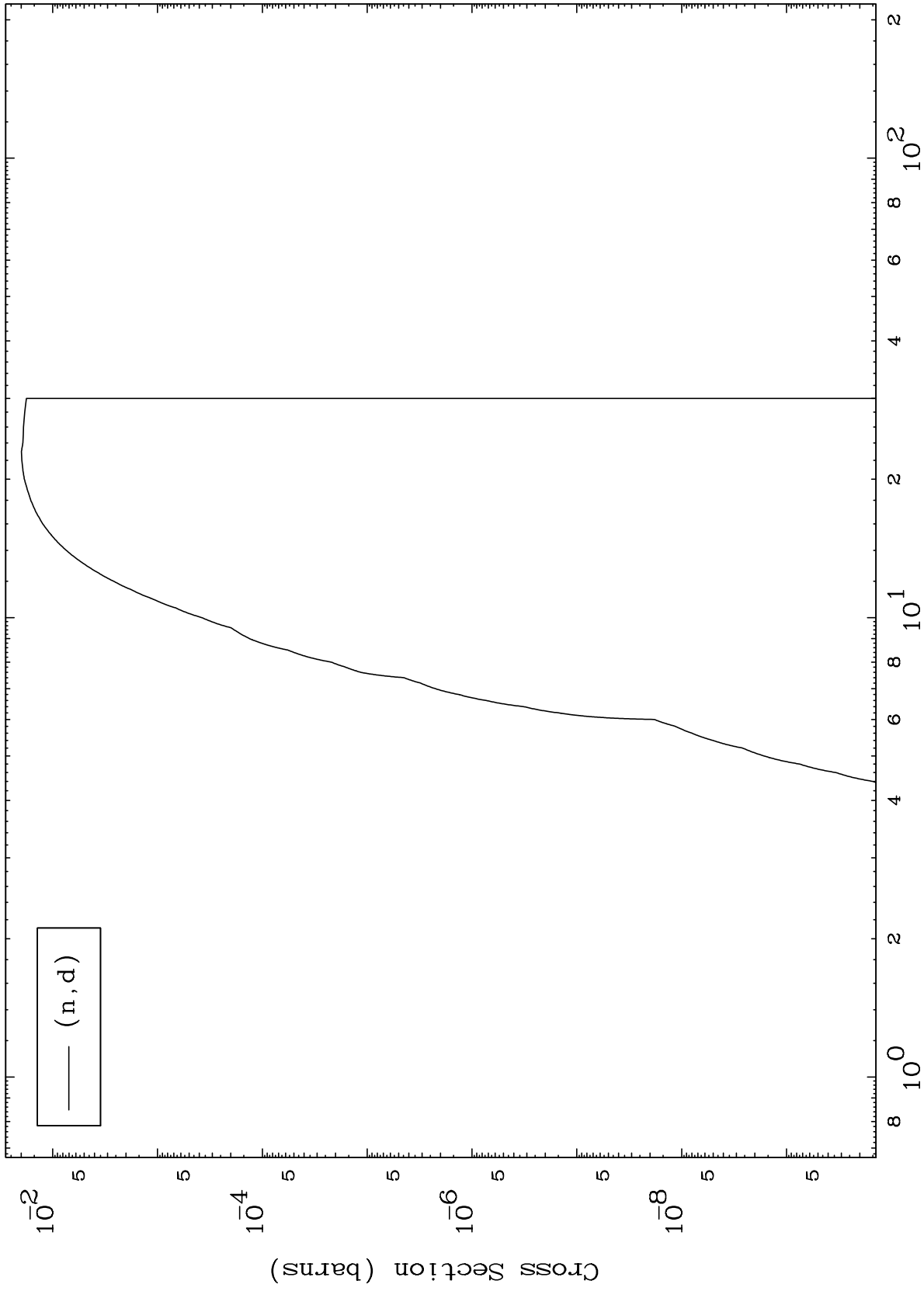
64-Gd-138



MAT 6383

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-138



10

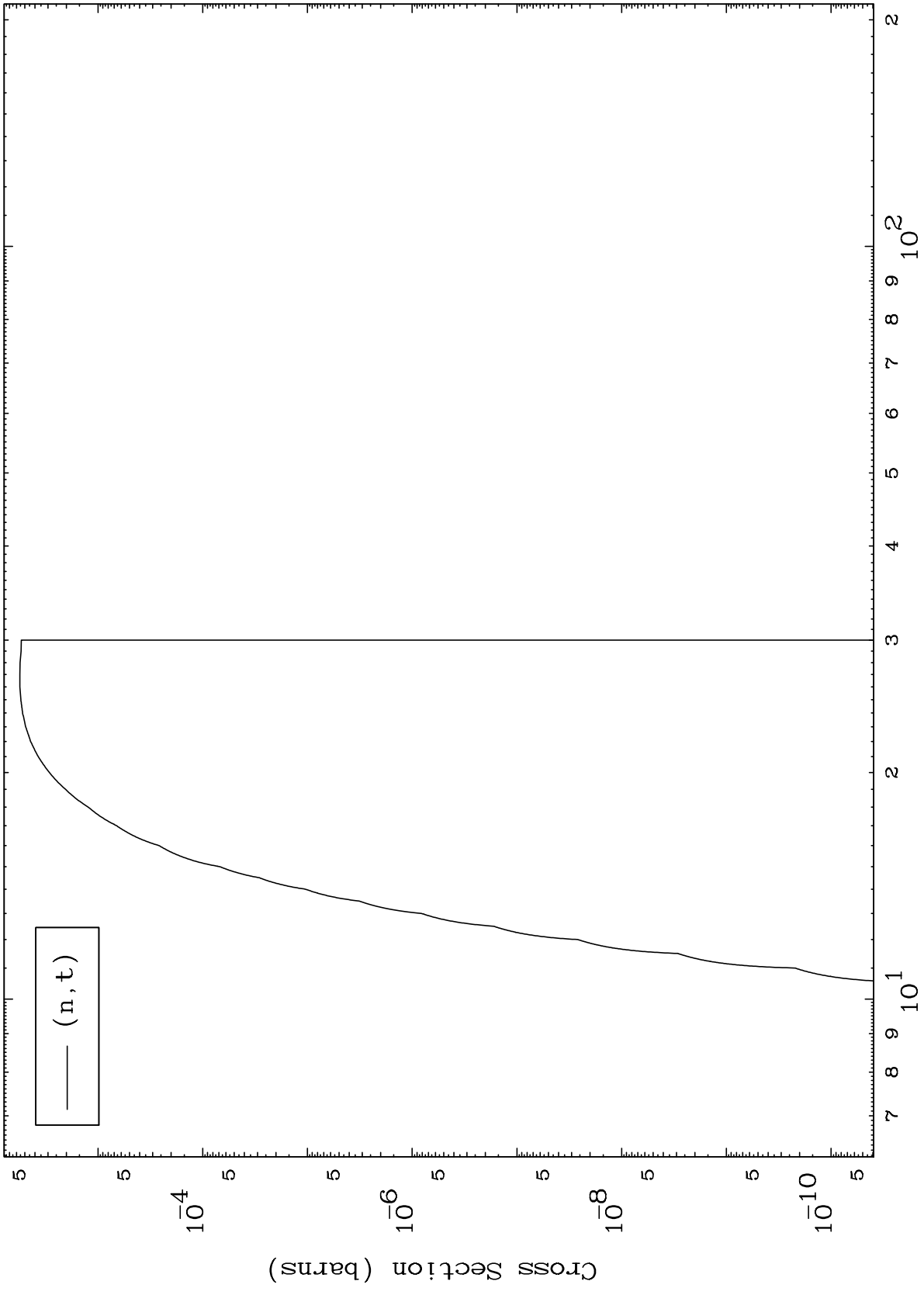
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-138



11

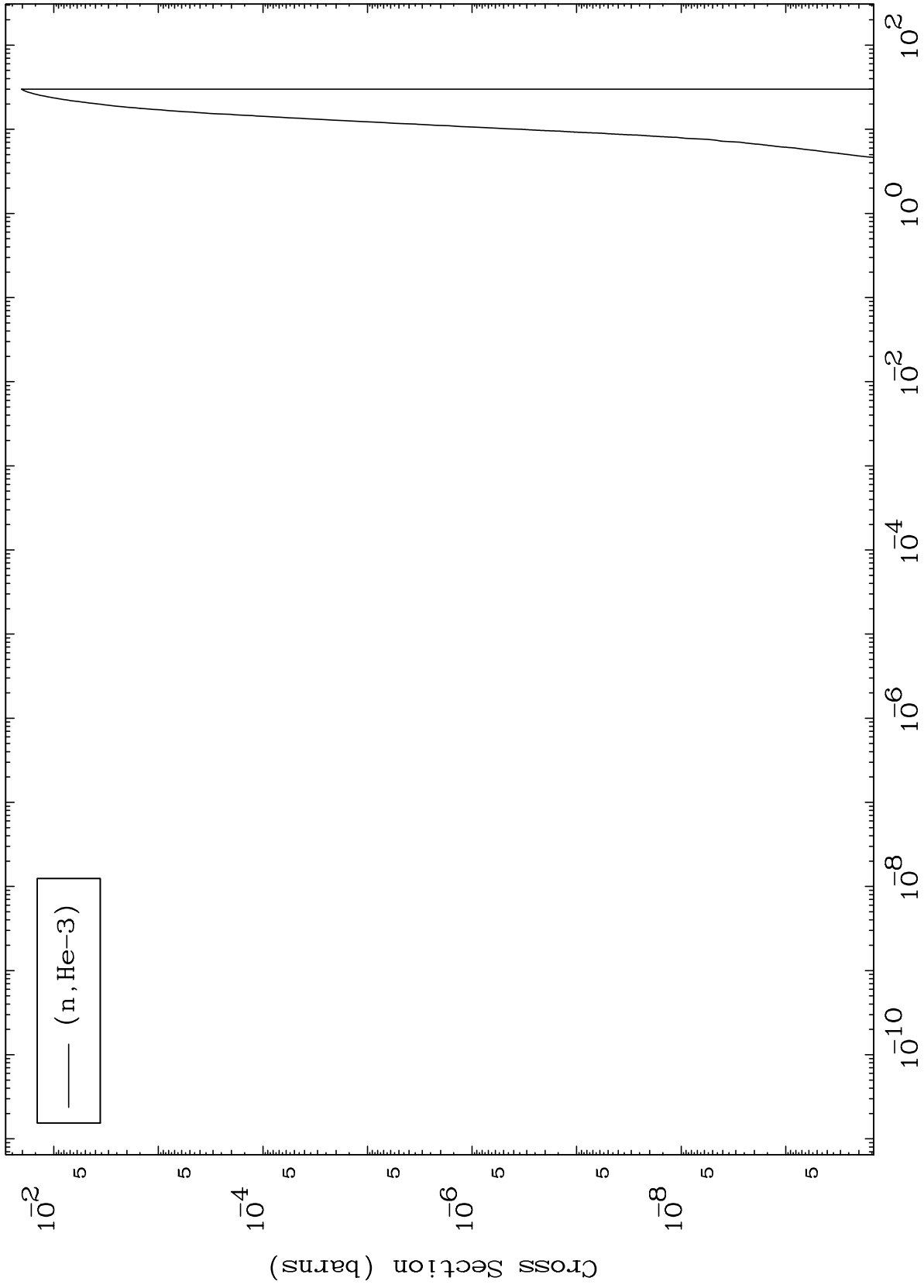
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-138



12

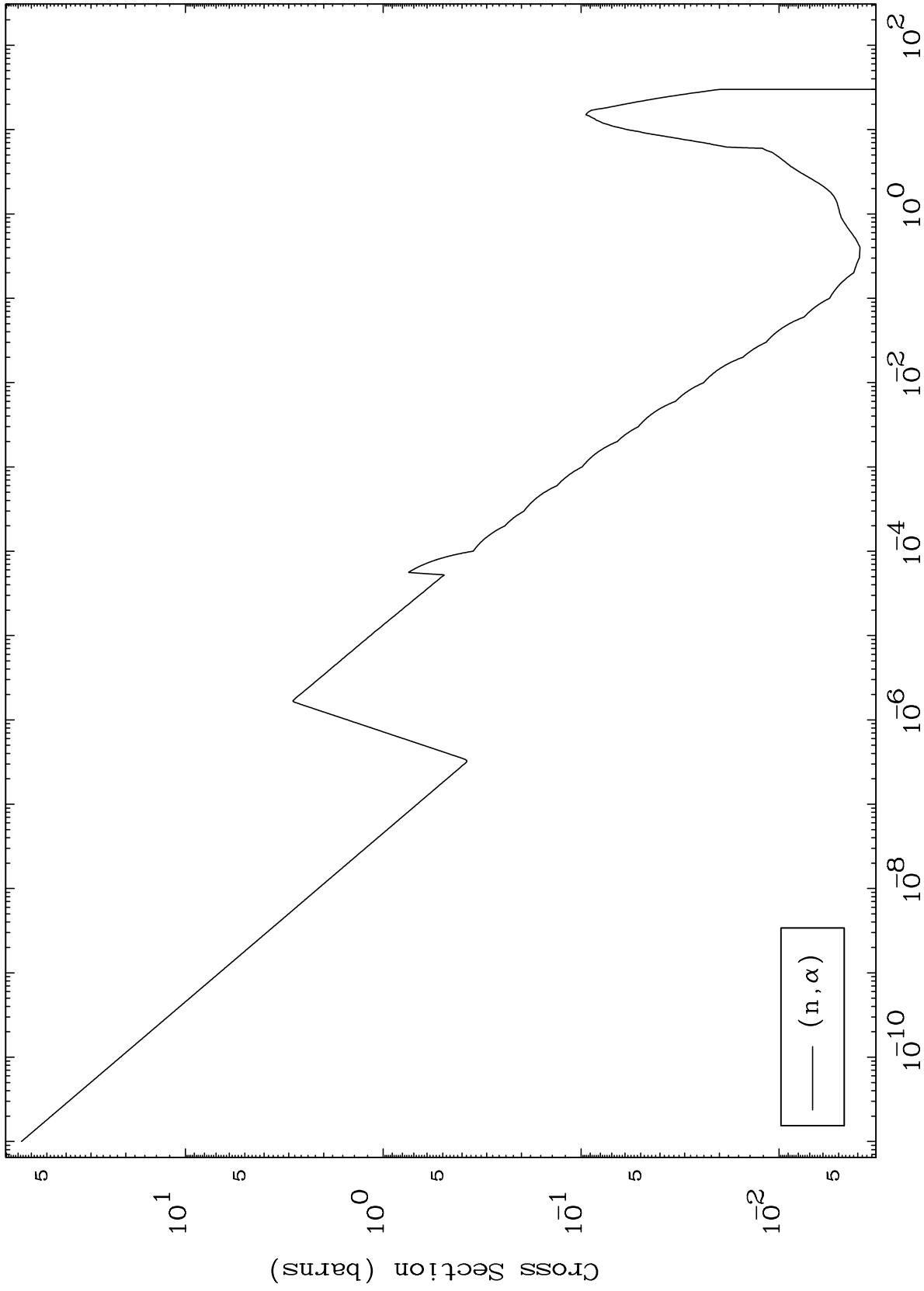
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,α) Levels
293 Kelvin Cross Sections

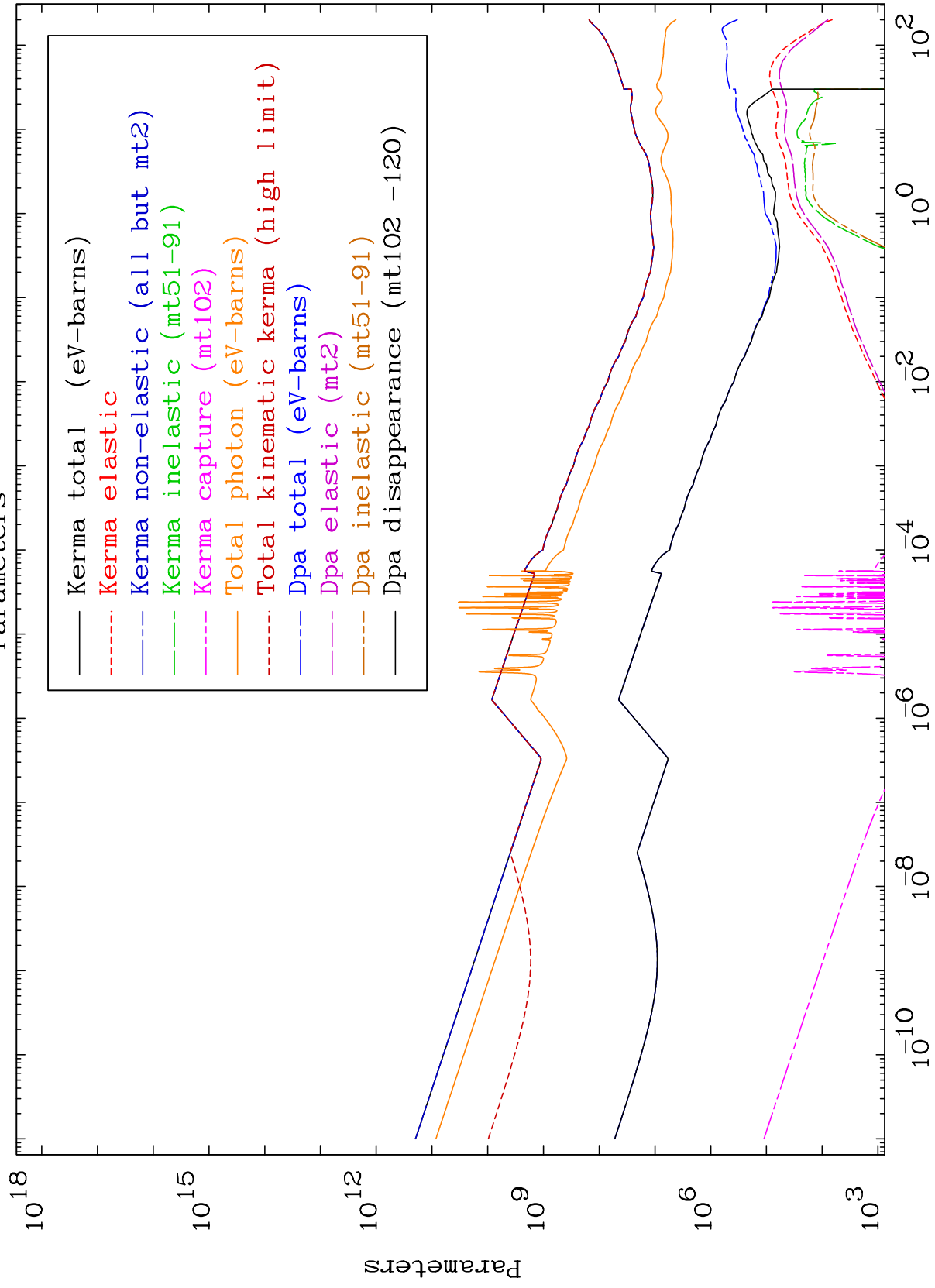
64-Gd-138



13

Incident Energy (MeV)

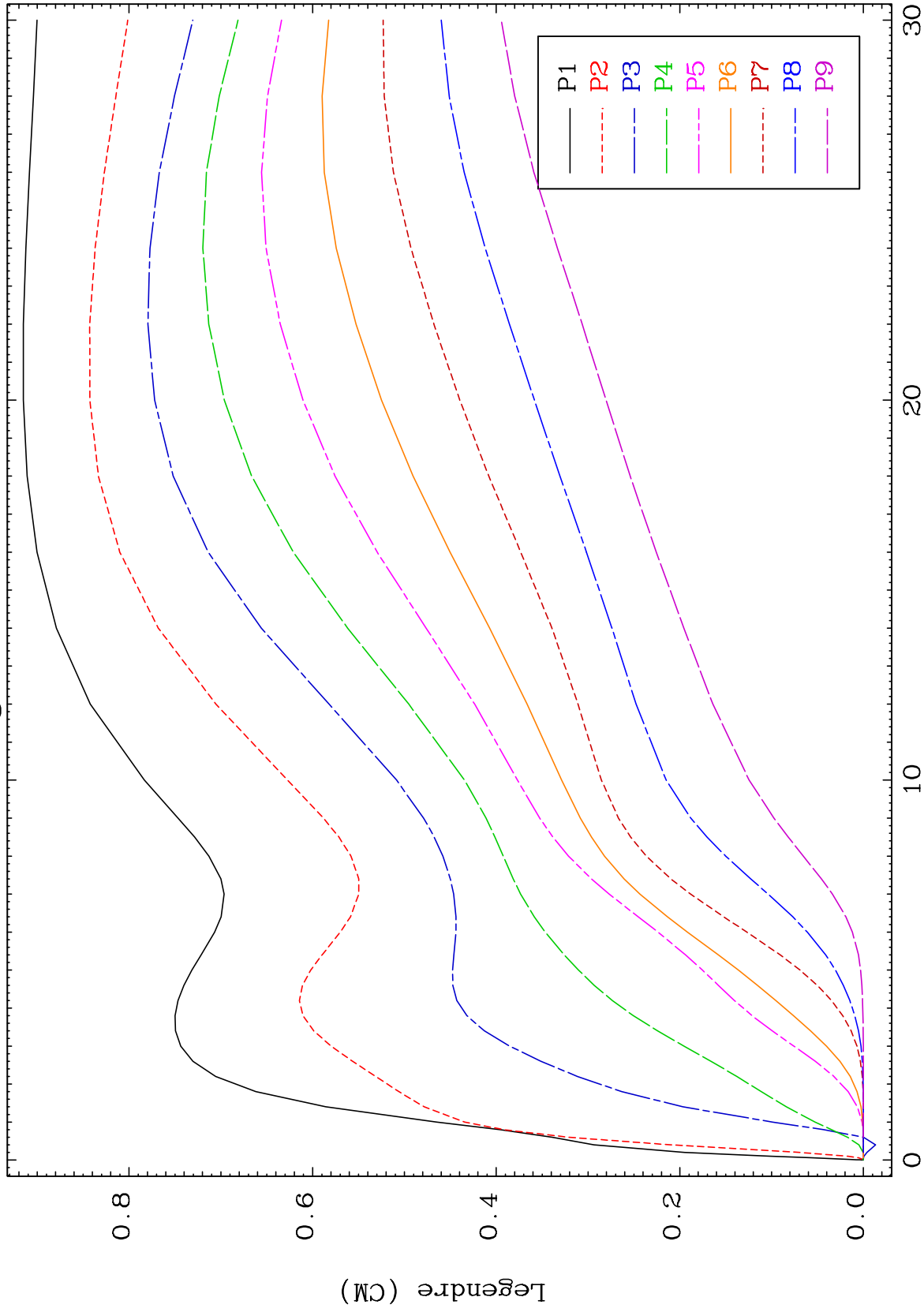
64-Gd-138



MAT 6383

Elastic Legendre Coefficients

64-Gd-138



15

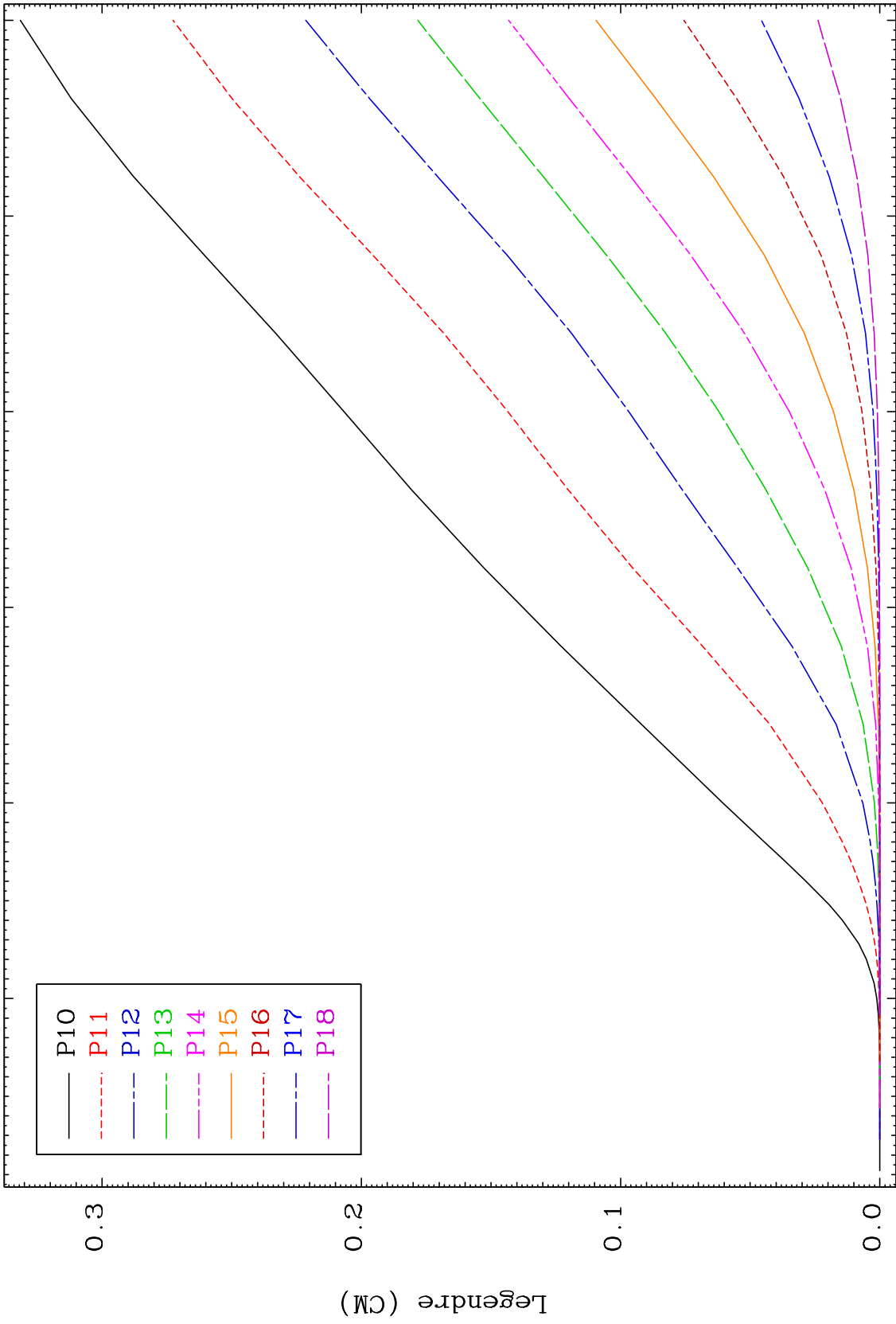
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



16

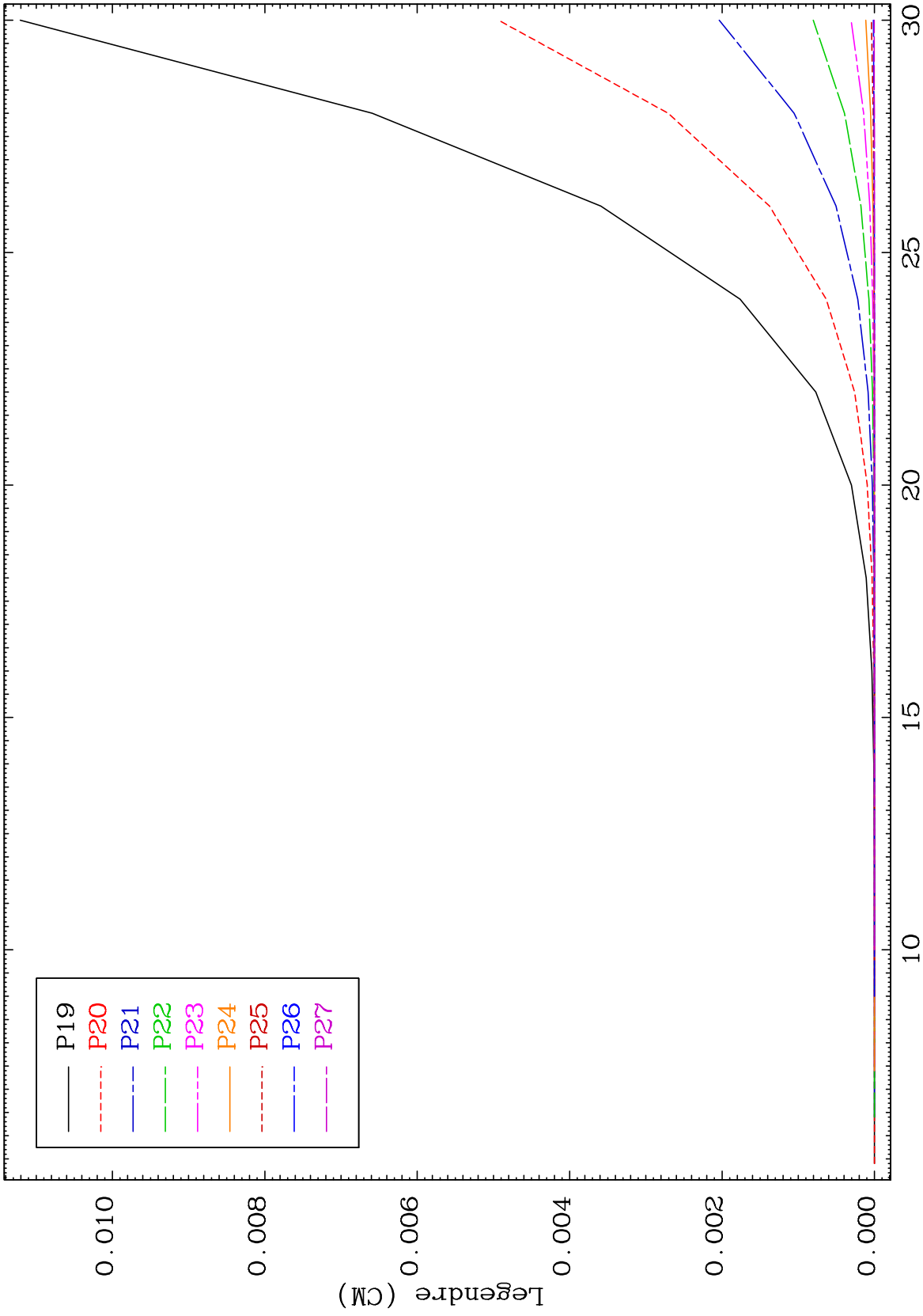
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



17

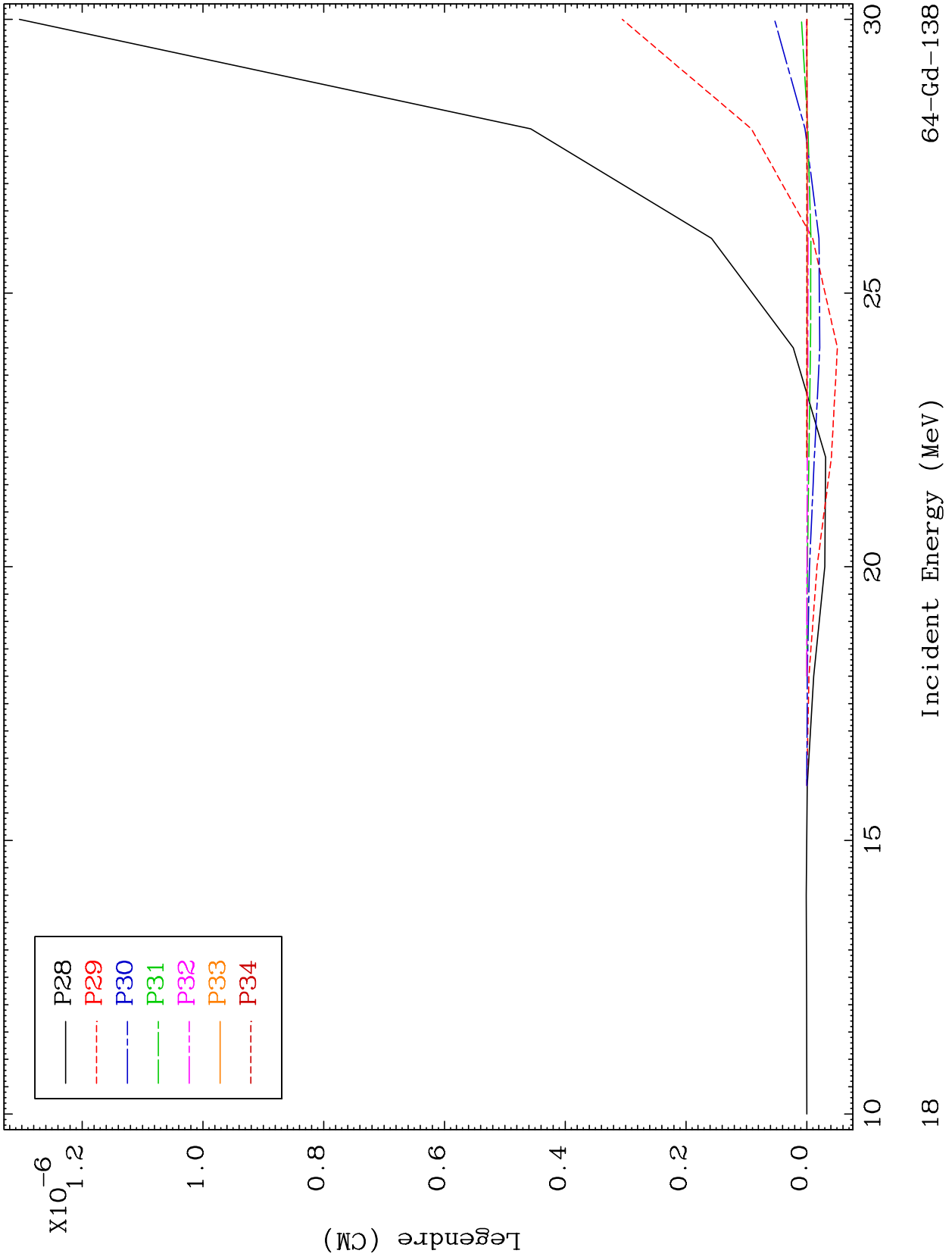
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

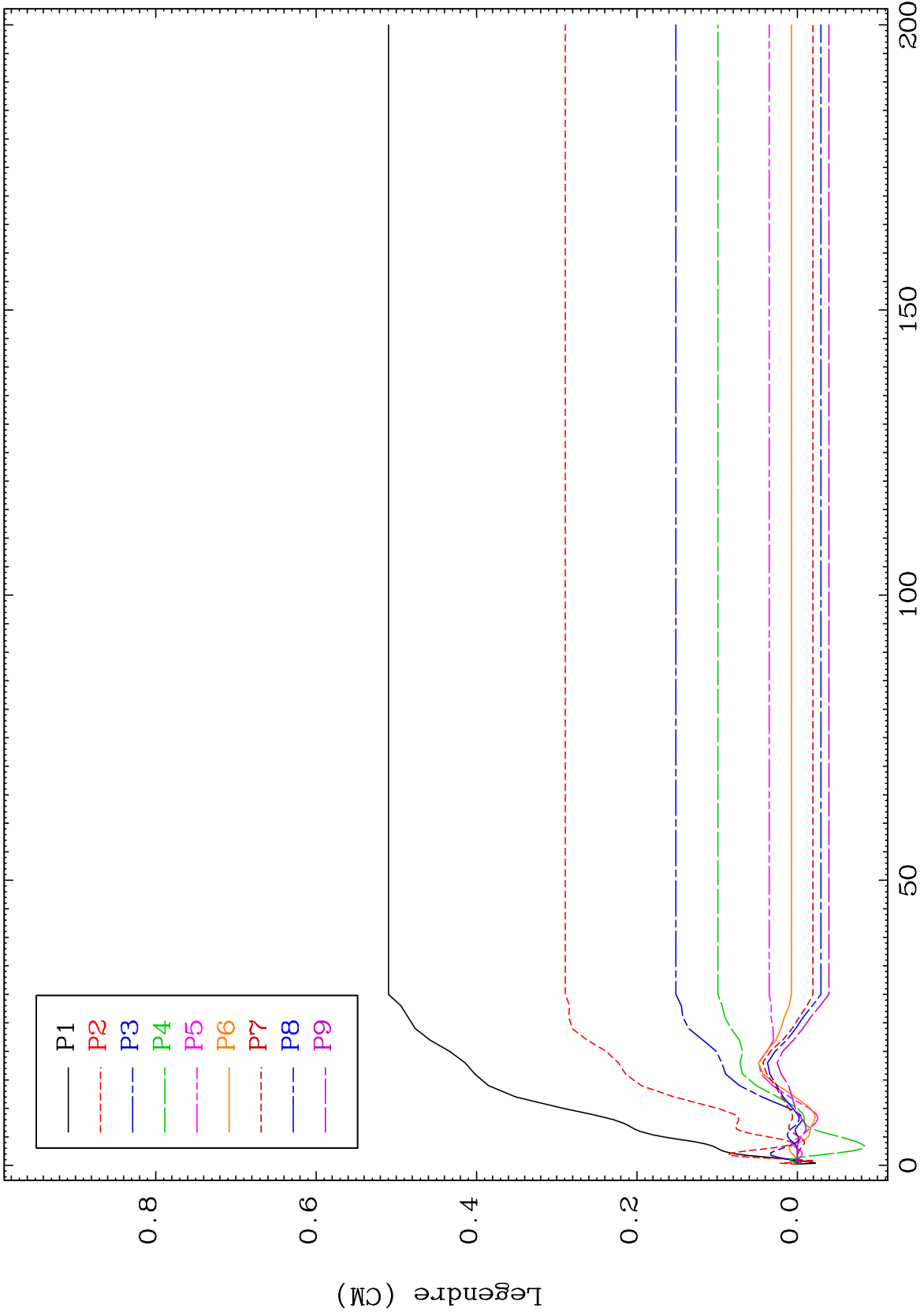
64-Gd-138



MAT 6383

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

64-Gd-138



19

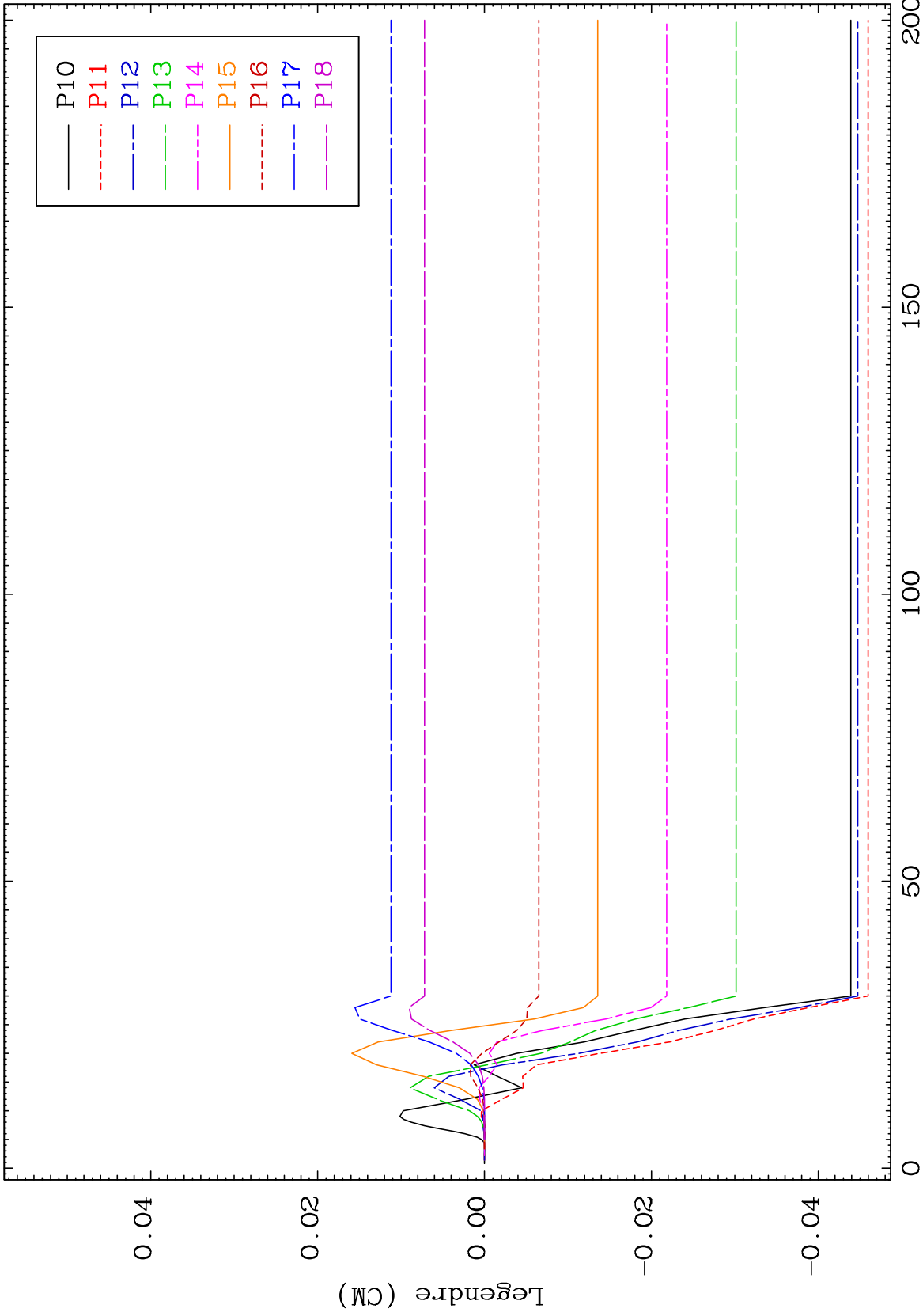
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



0

50

100

150

200

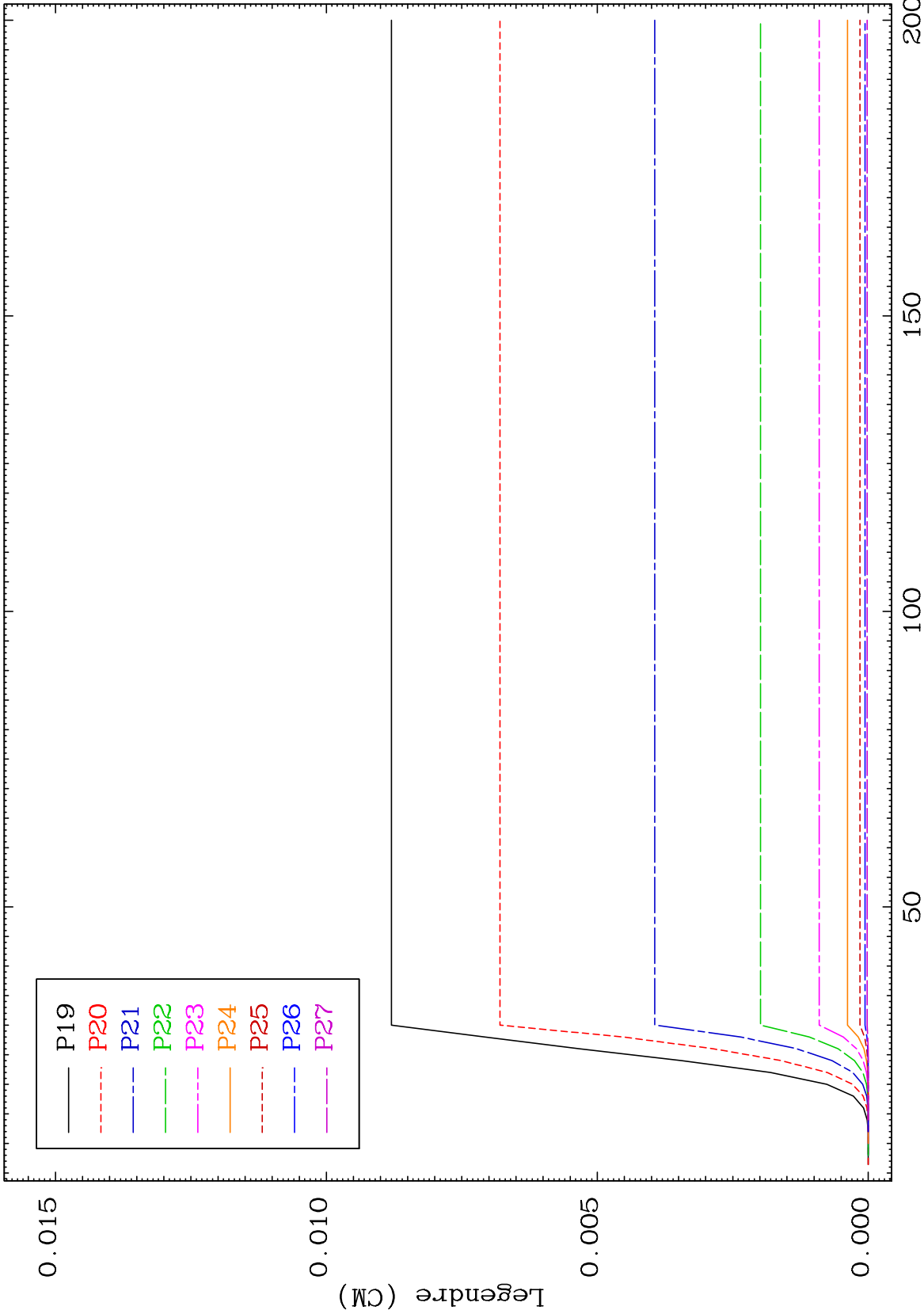
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



21

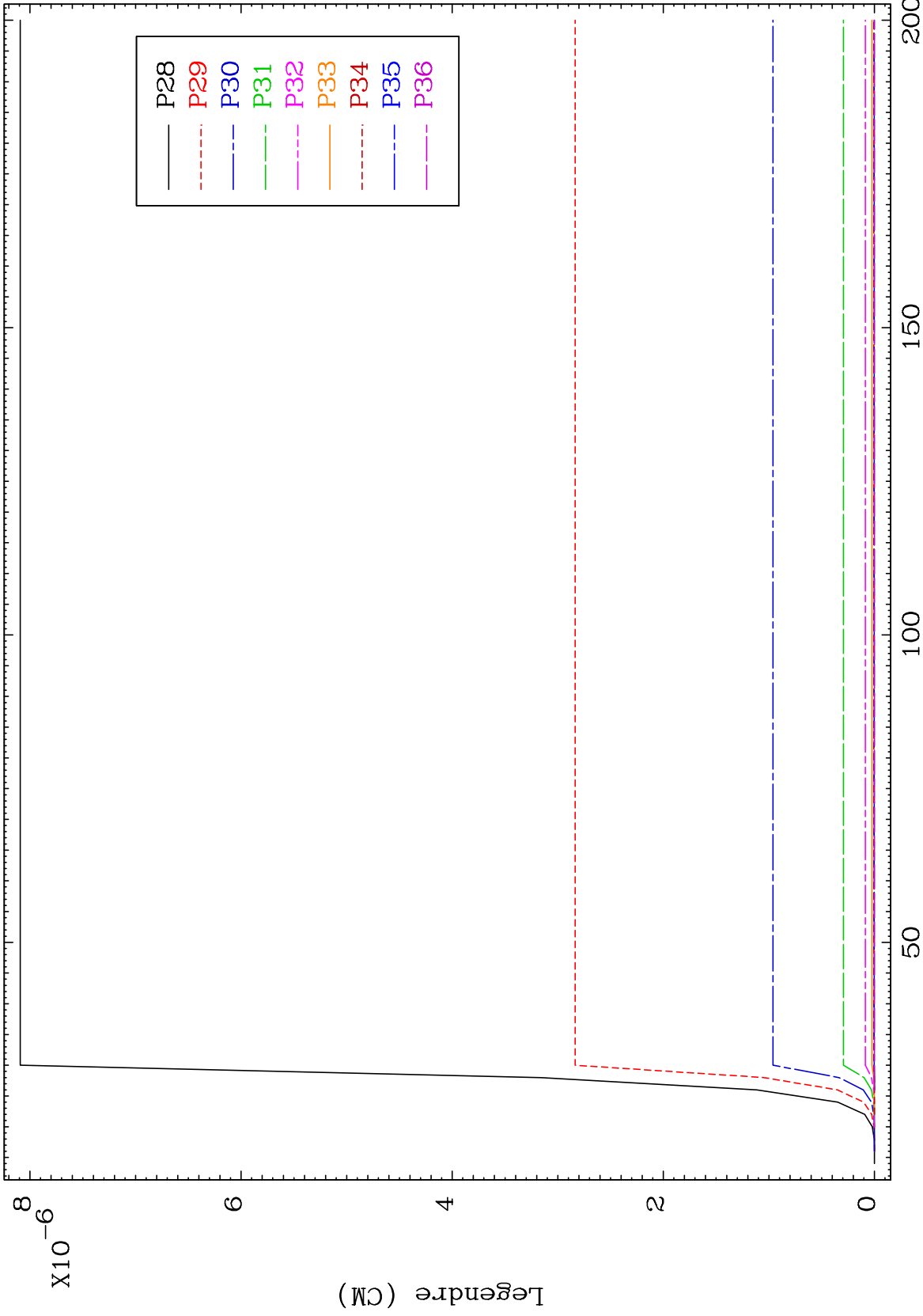
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



22

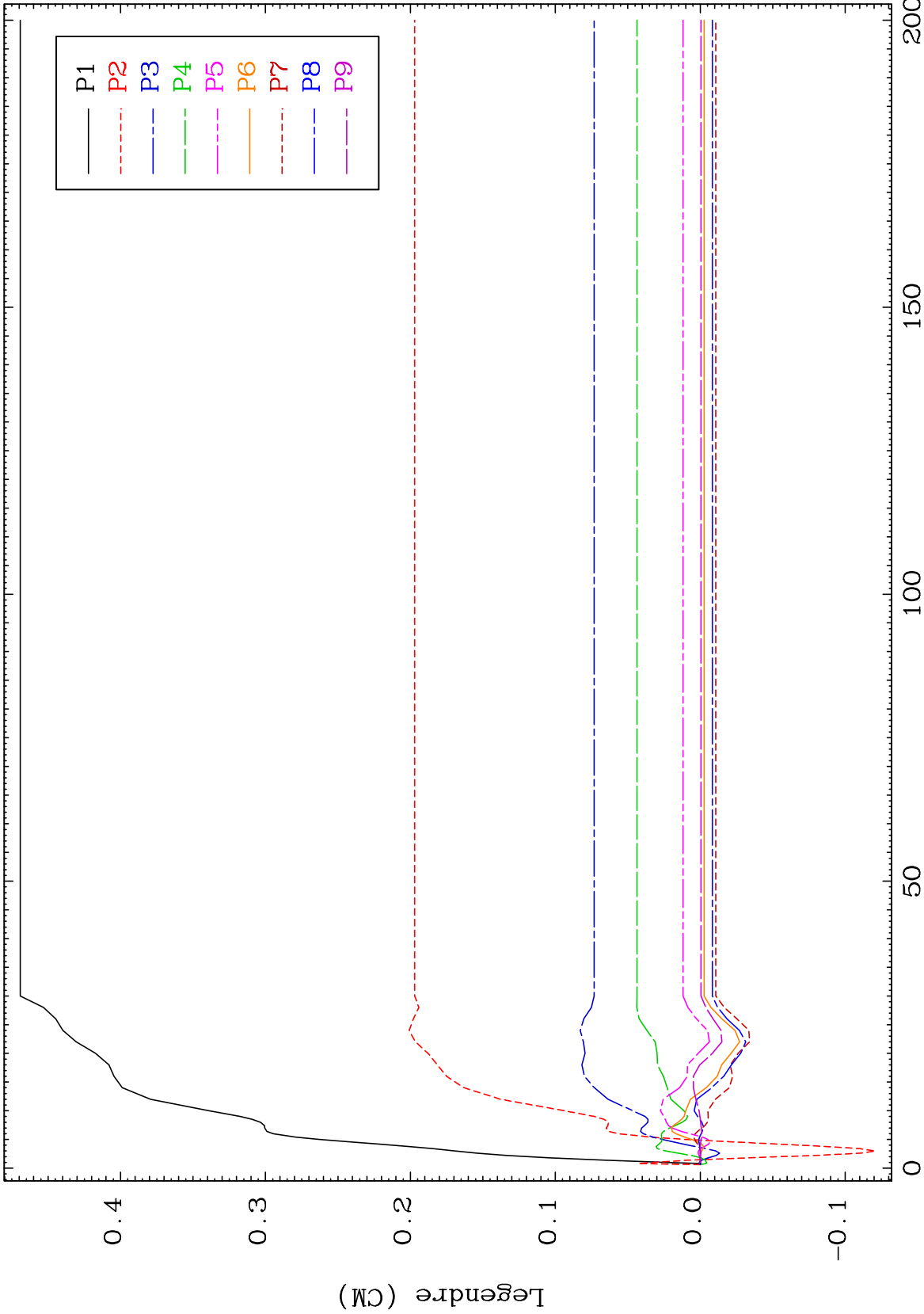
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



23

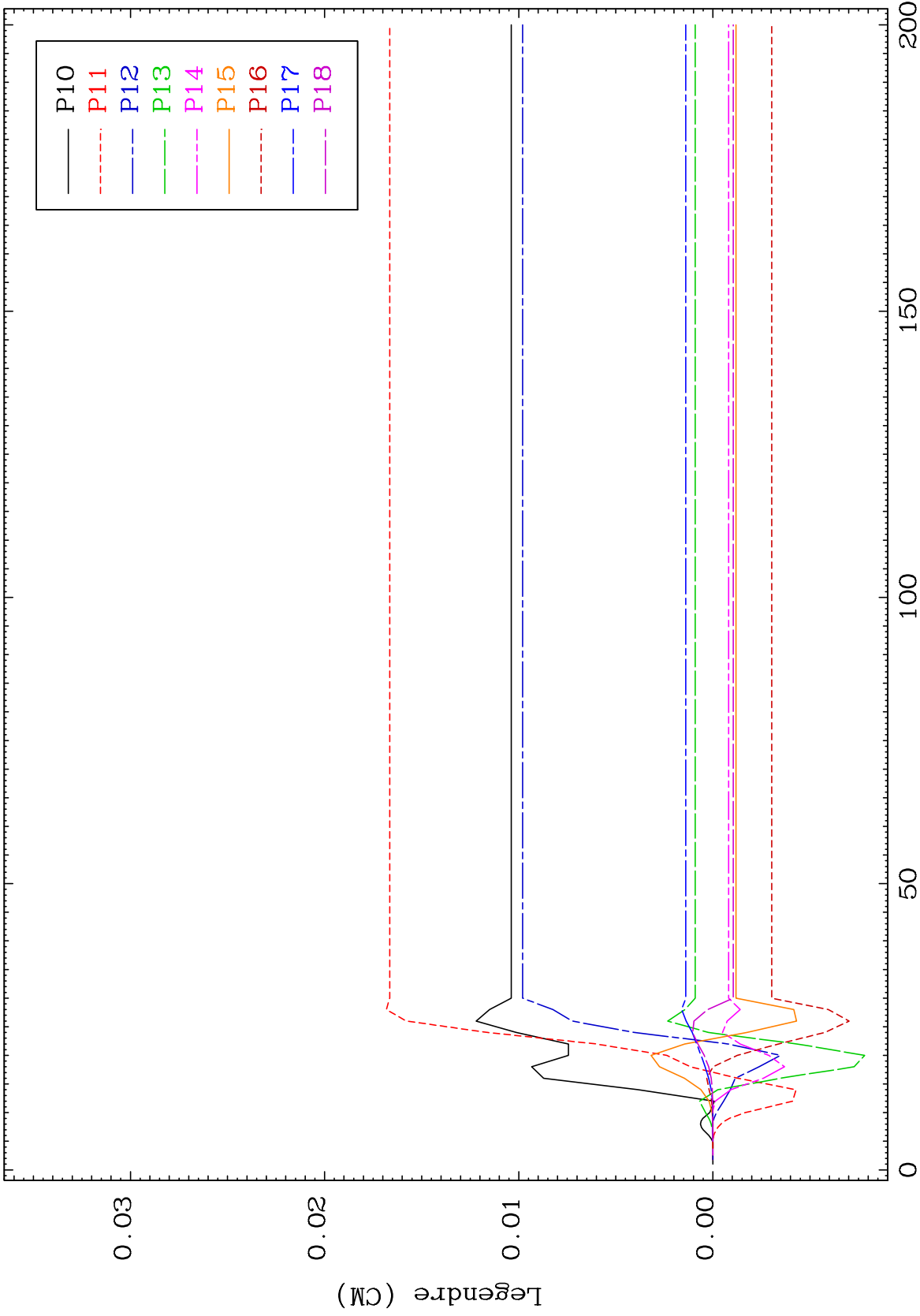
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



24

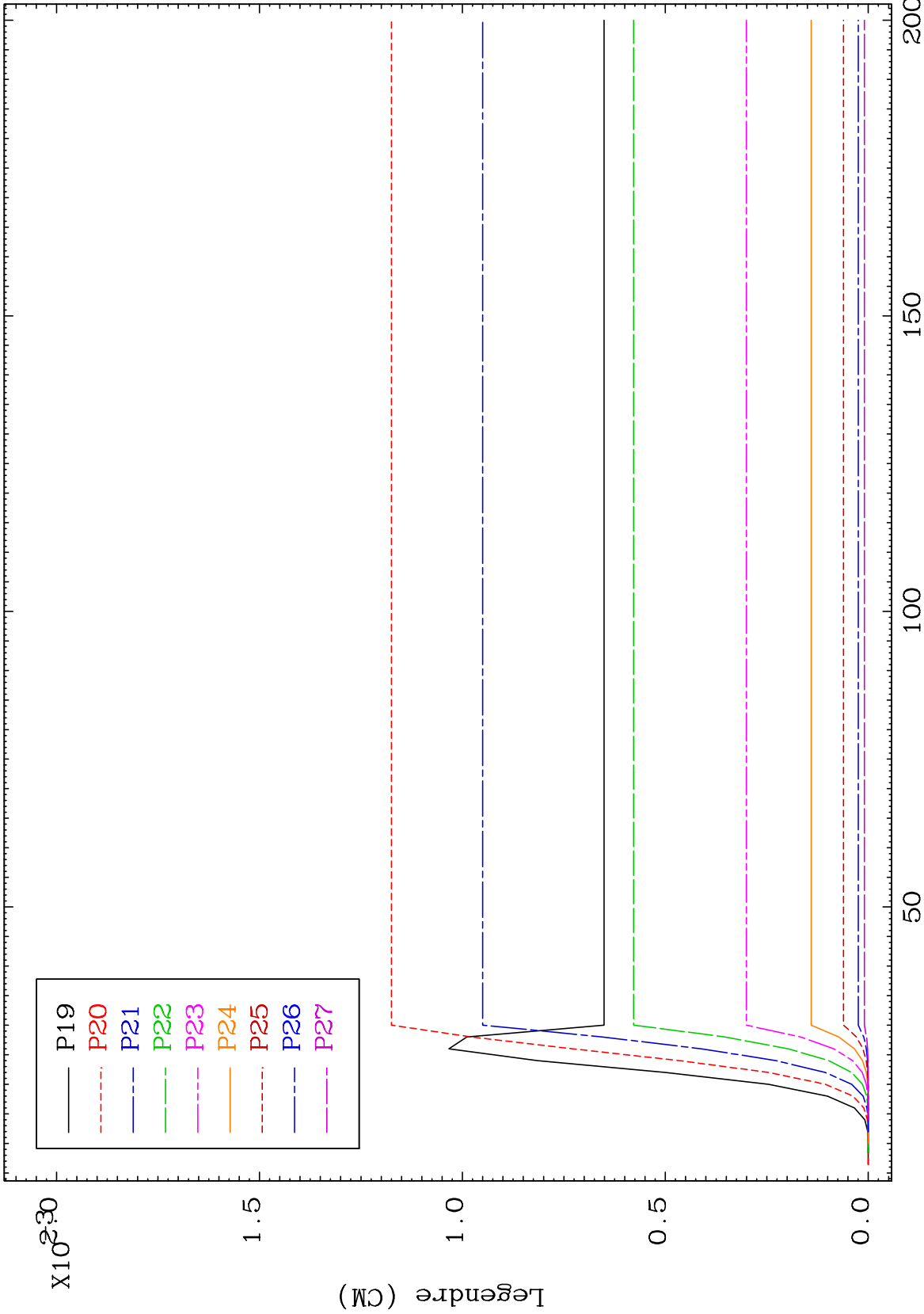
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



25

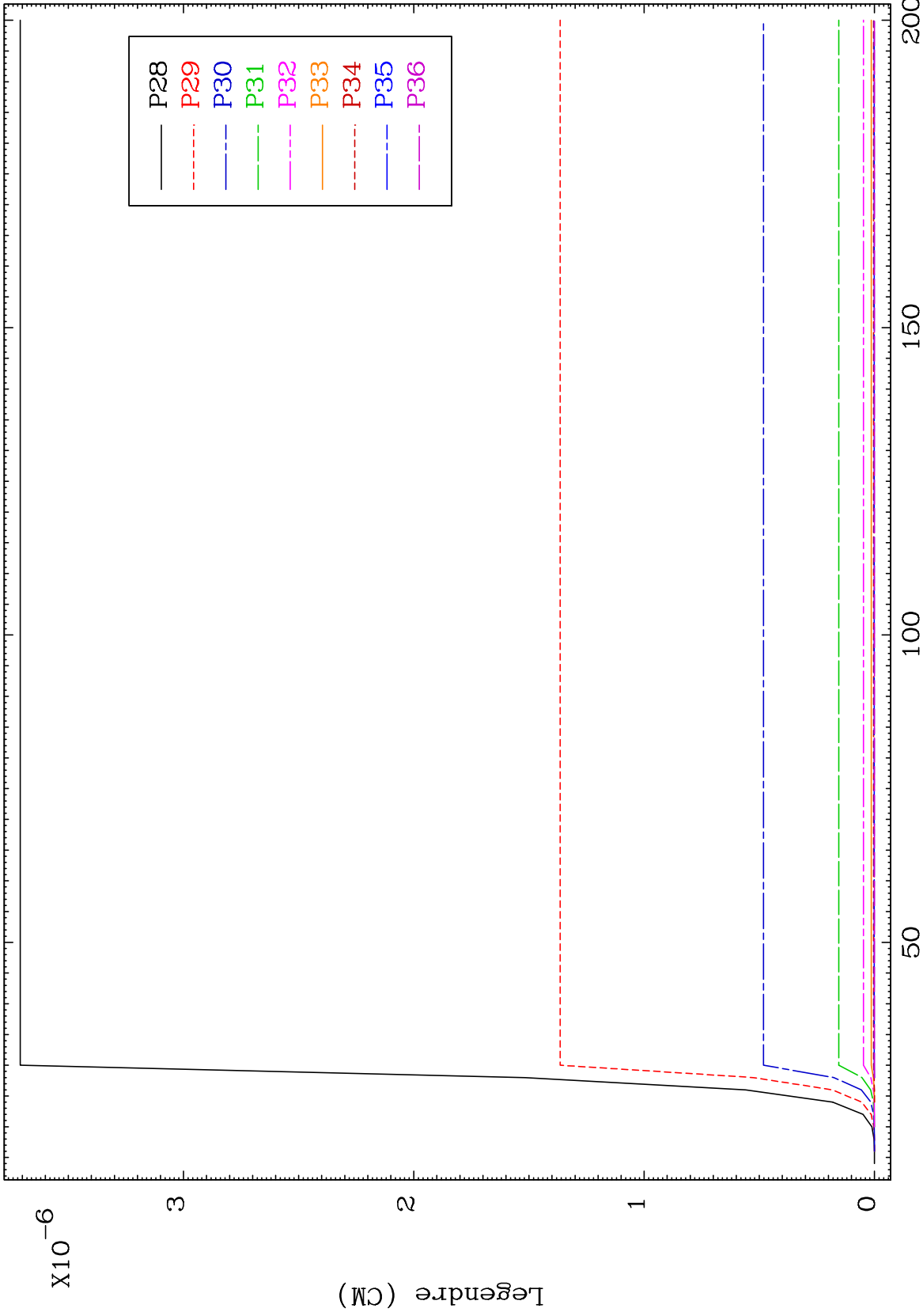
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



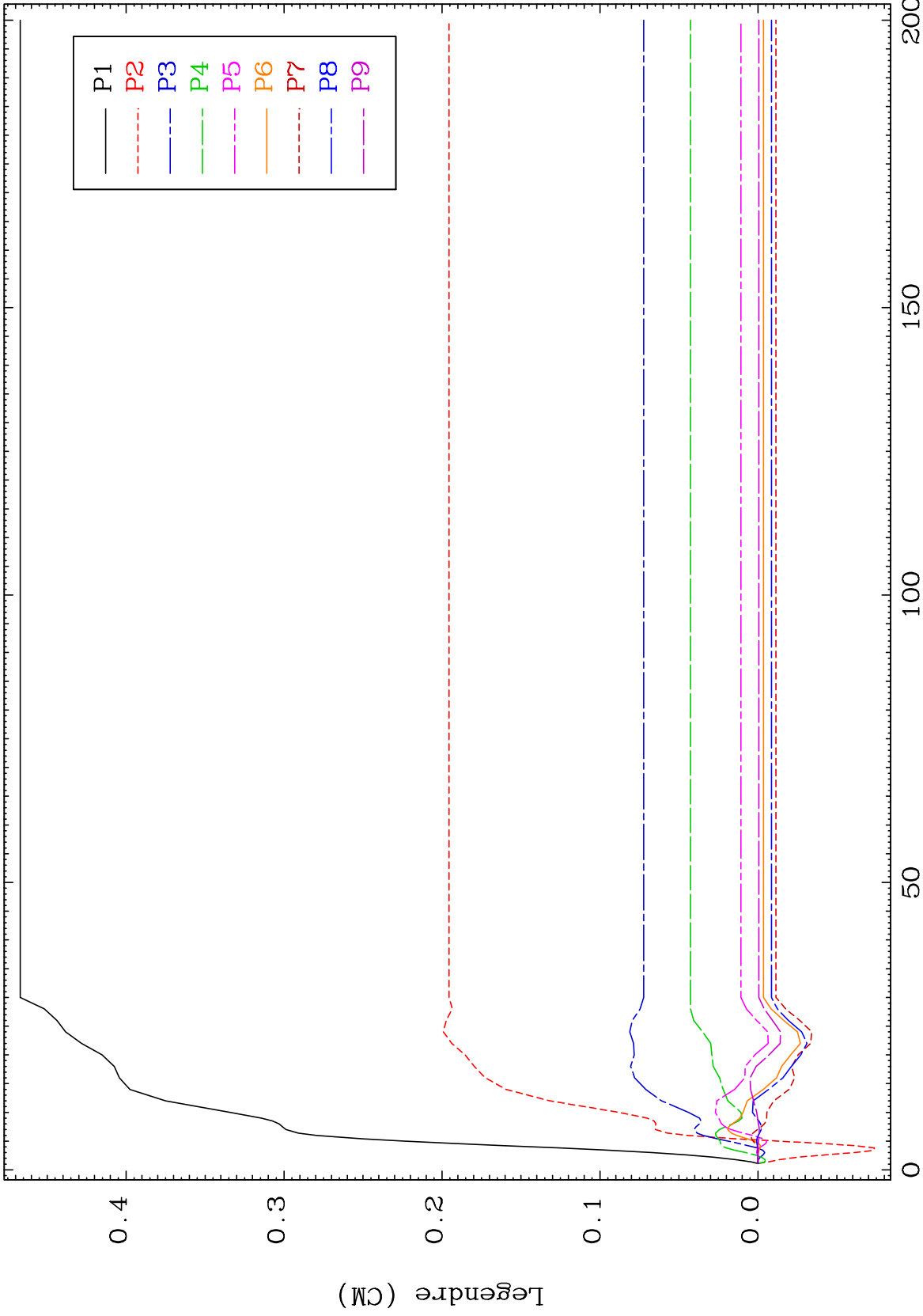
26

64-Gd-138

MAT 6383

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-138



27

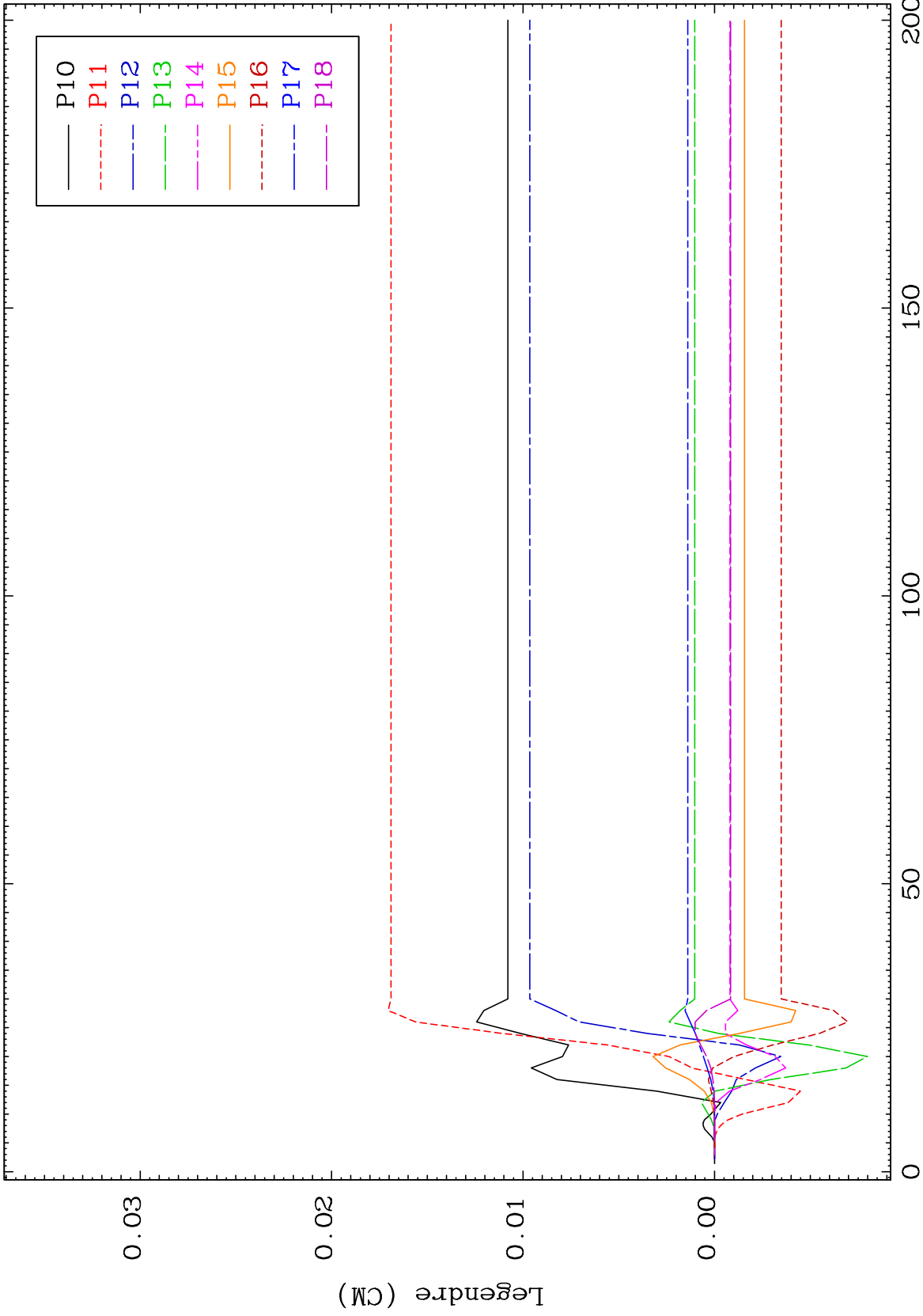
Incident Energy (MeV)

64-Gd-138

MAT 6383

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-138



28

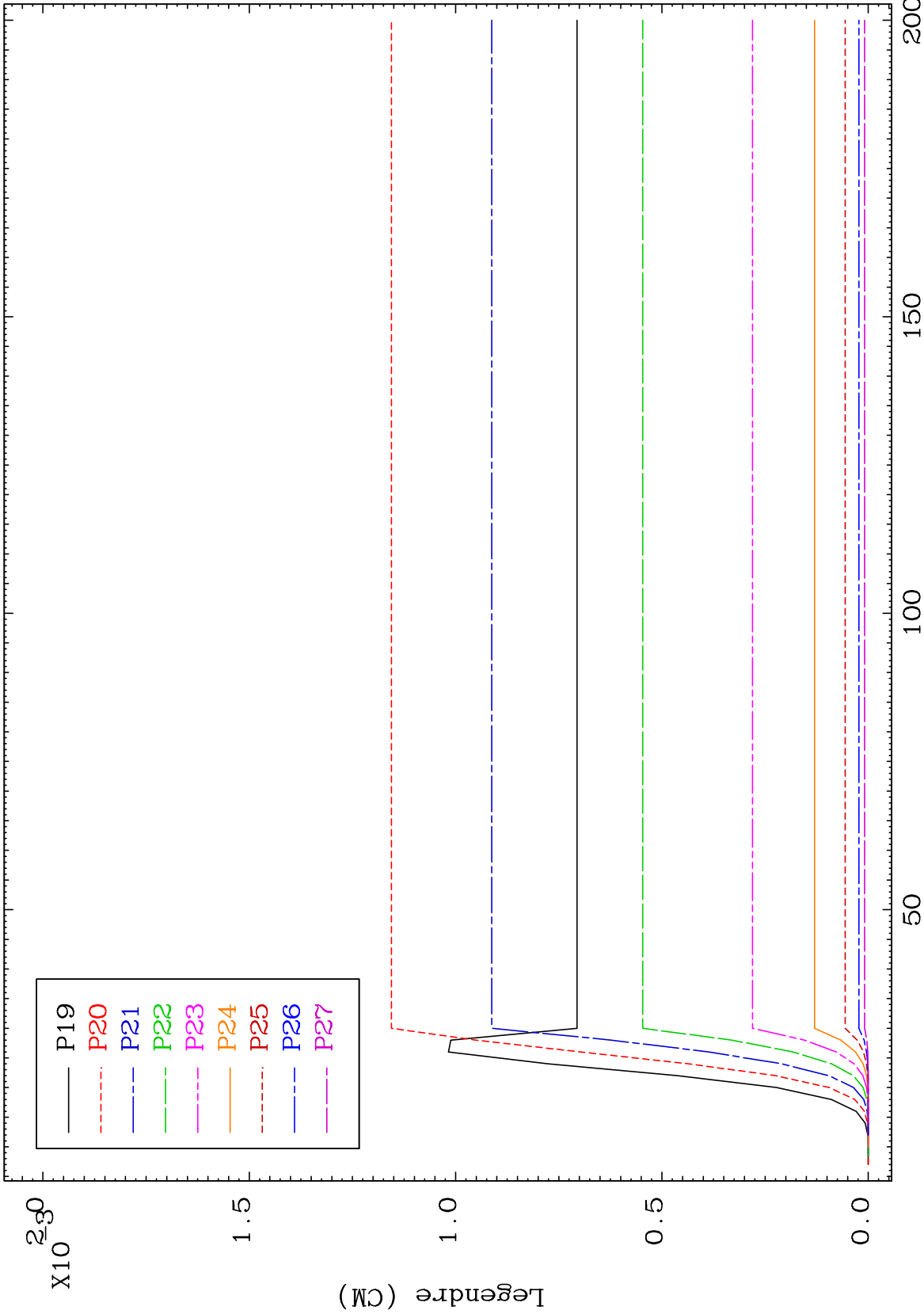
Incident Energy (MeV)

64-Gd-138

MAT 6383

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-138



29

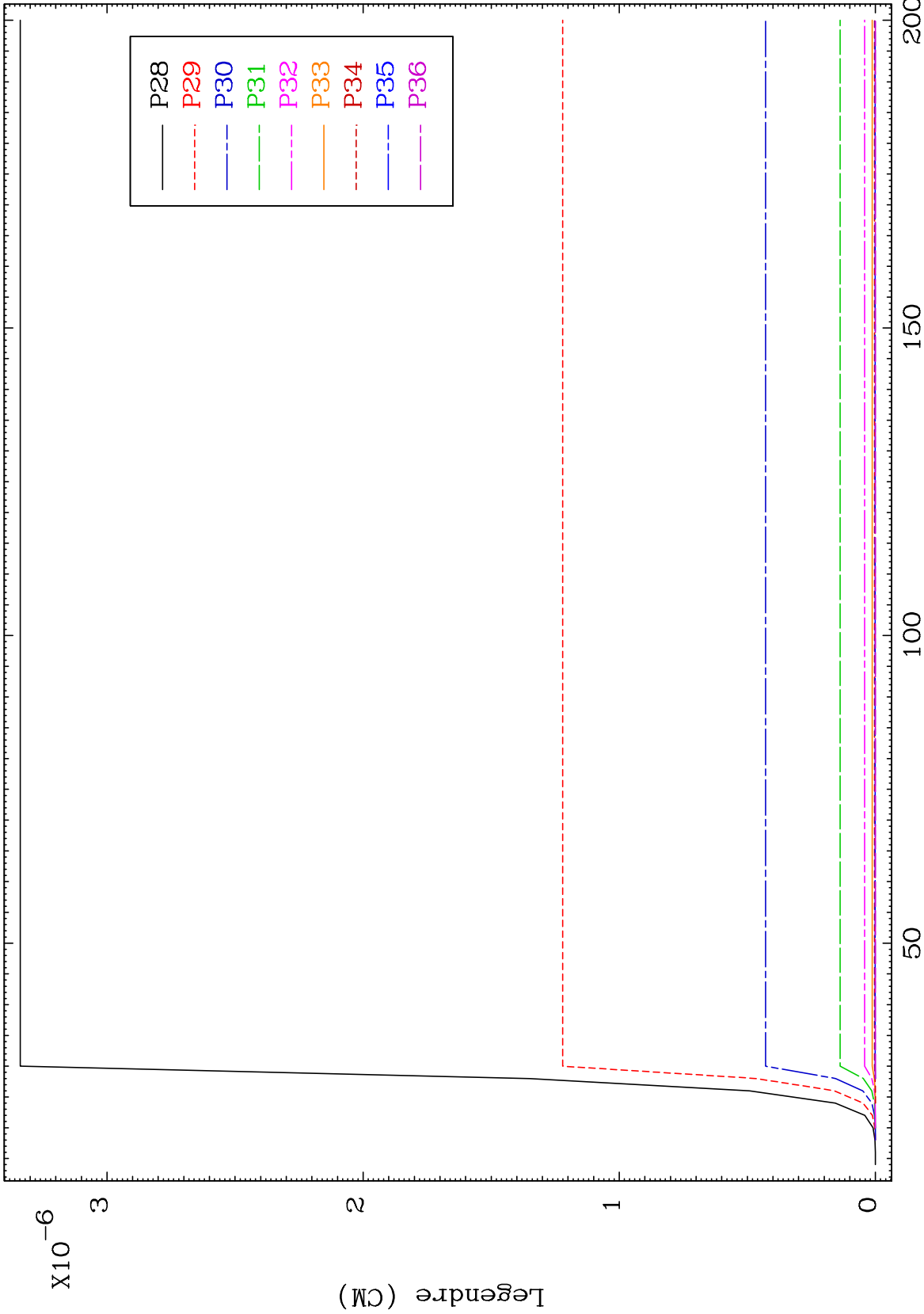
Incident Energy (MeV)

64-Gd-138

MAT 6383

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-138



30

Incident Energy (MeV)

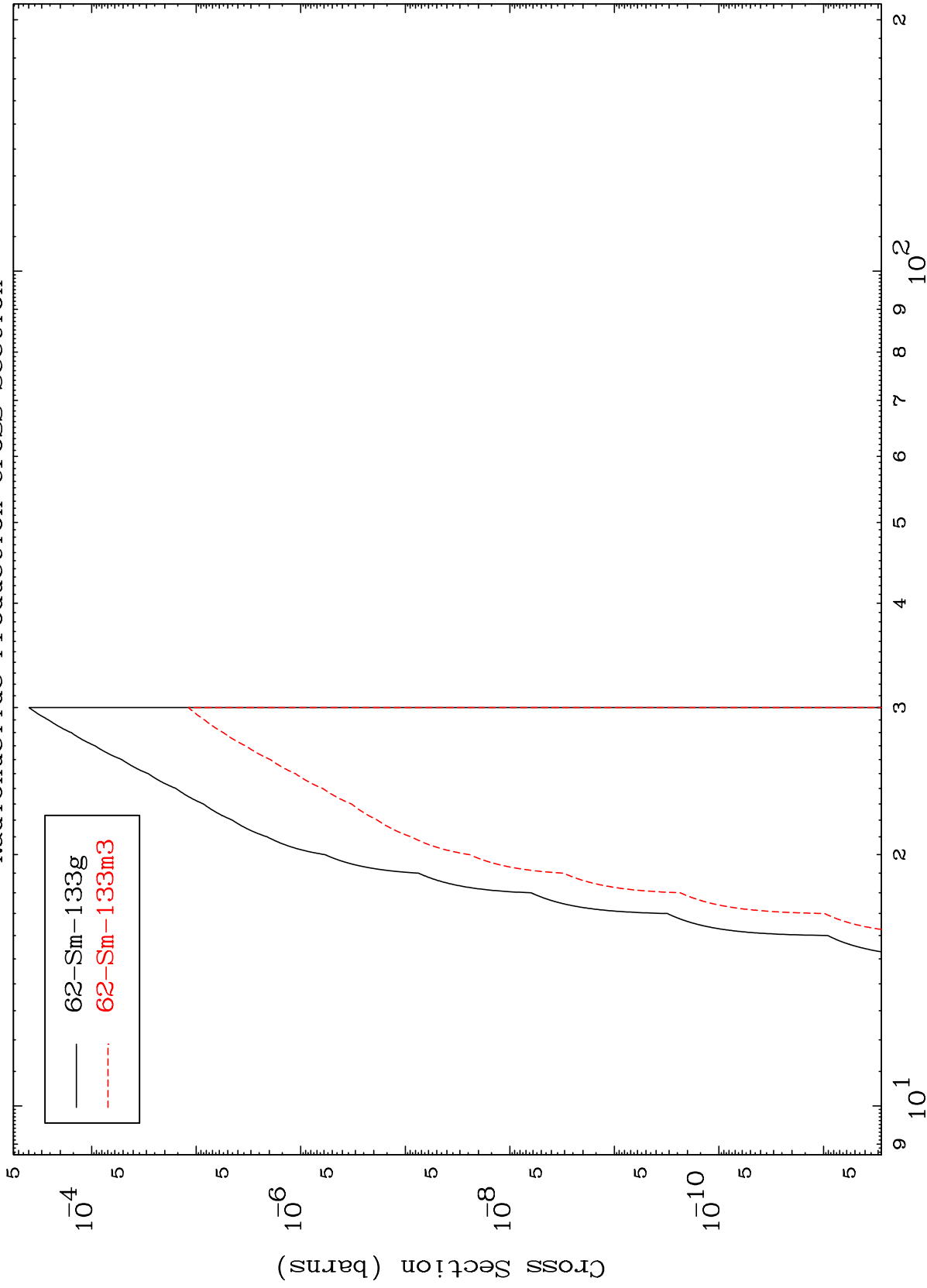
64-Gd-138

MAT 6383

(n,2n) α

64-Gd-138

Radionuclide Production Cross Section



31

Incident Energy (MeV)

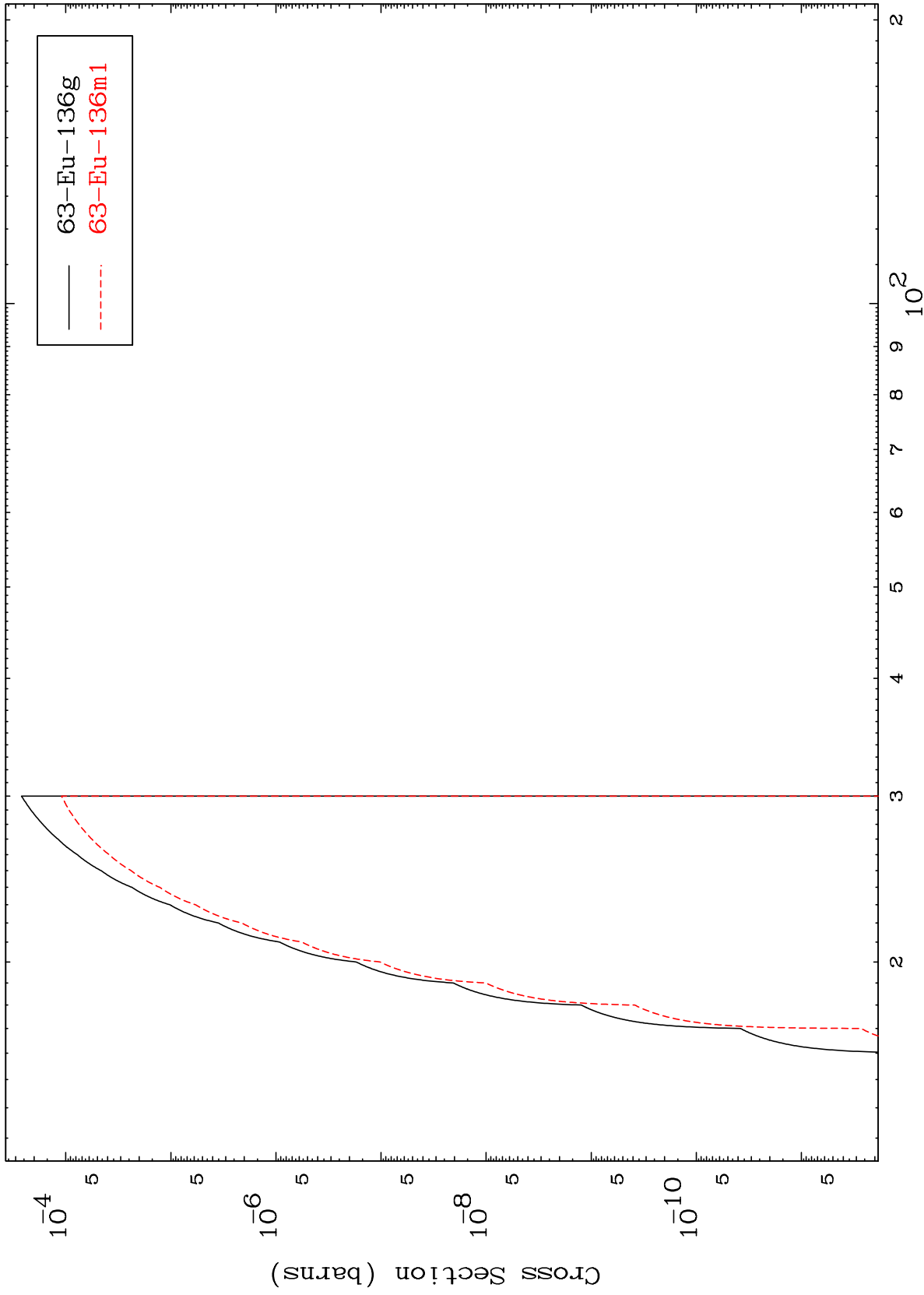
64-Gd-138

MAT 6383

(n,n') d

64-Gd-138

Radionuclide Production Cross Section



32

Incident Energy (MeV)

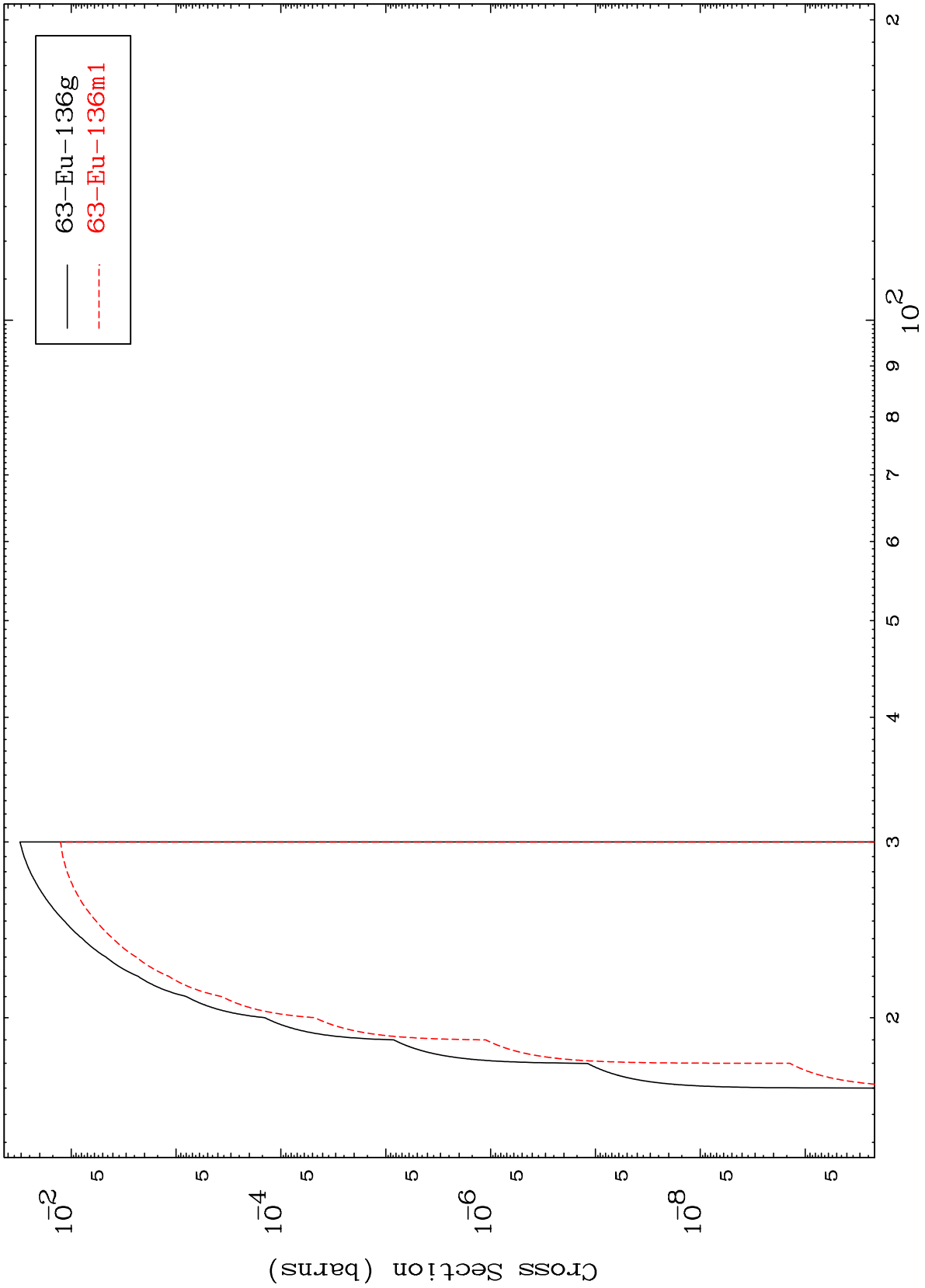
64-Gd-138

MAT 6383

(n,2n) p

64-Gd-138

Radionuclide Production Cross Section



33

Incident Energy (MeV)

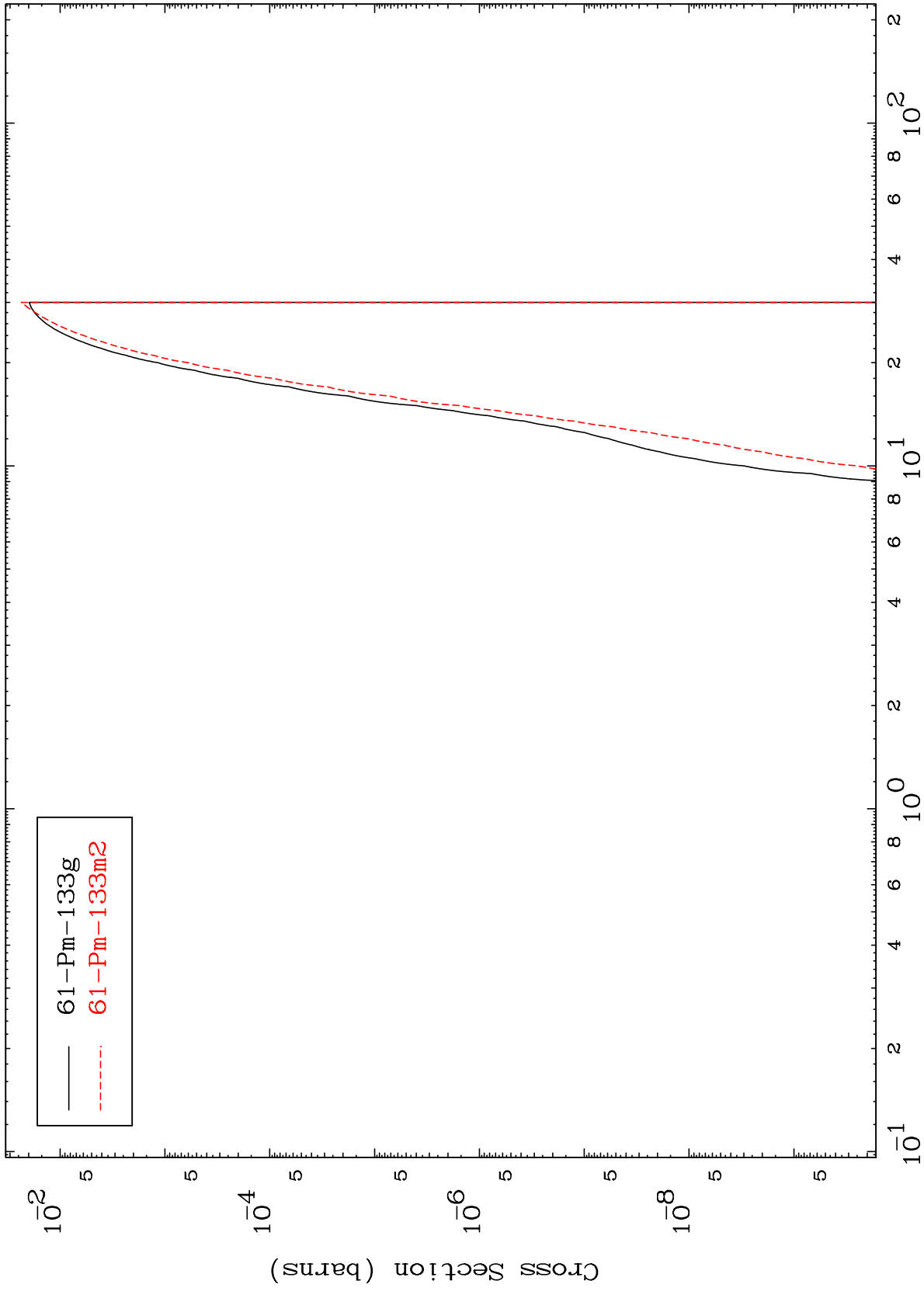
64-Gd-138

MAT 6383

(n,n') p α

64-Gd-138

Radionuclide Production Cross Section

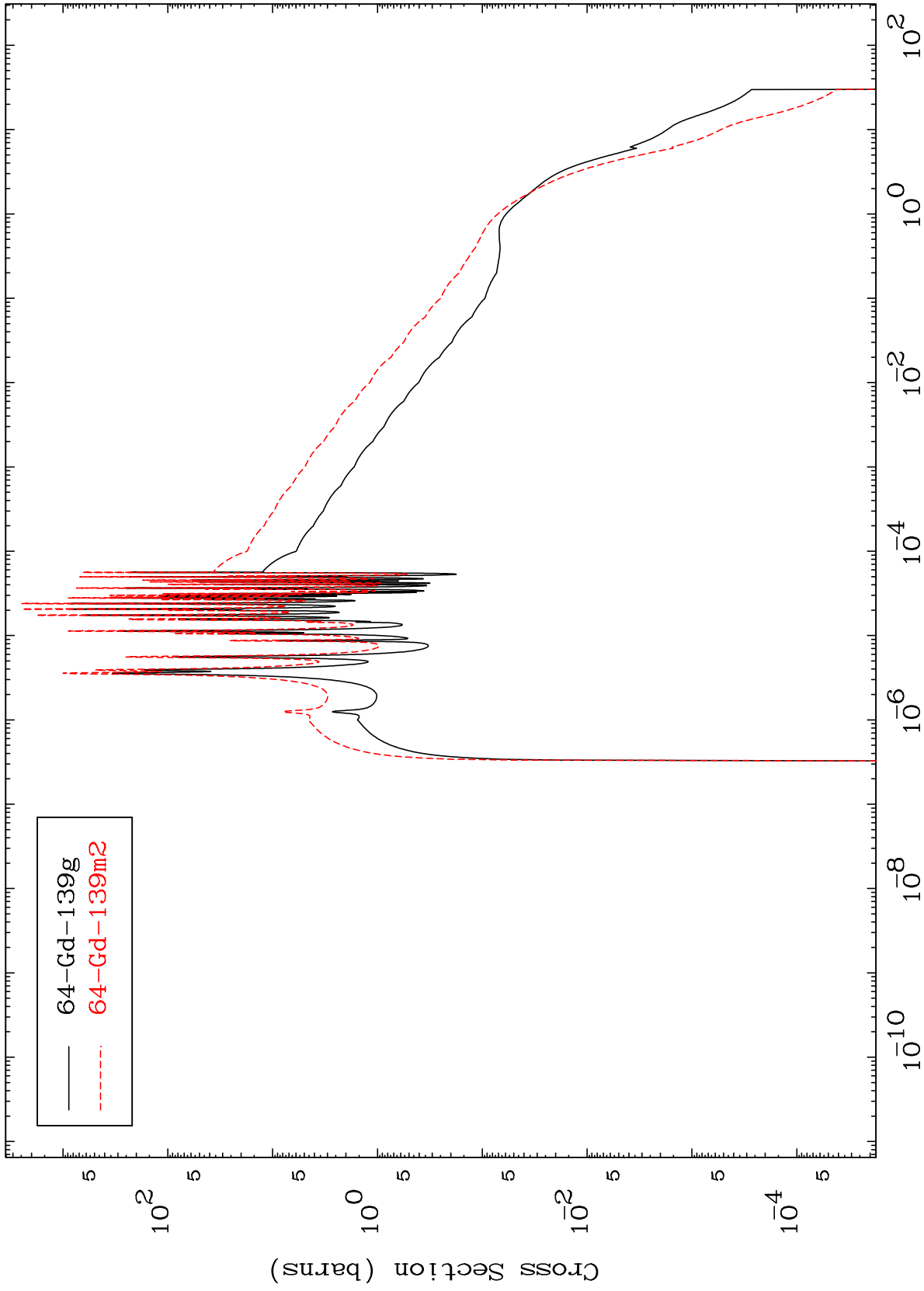


61-Pm-133g
61-Pm-133m2

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64-Gd-138

Radionuclide Production Cross Section (n,γ)



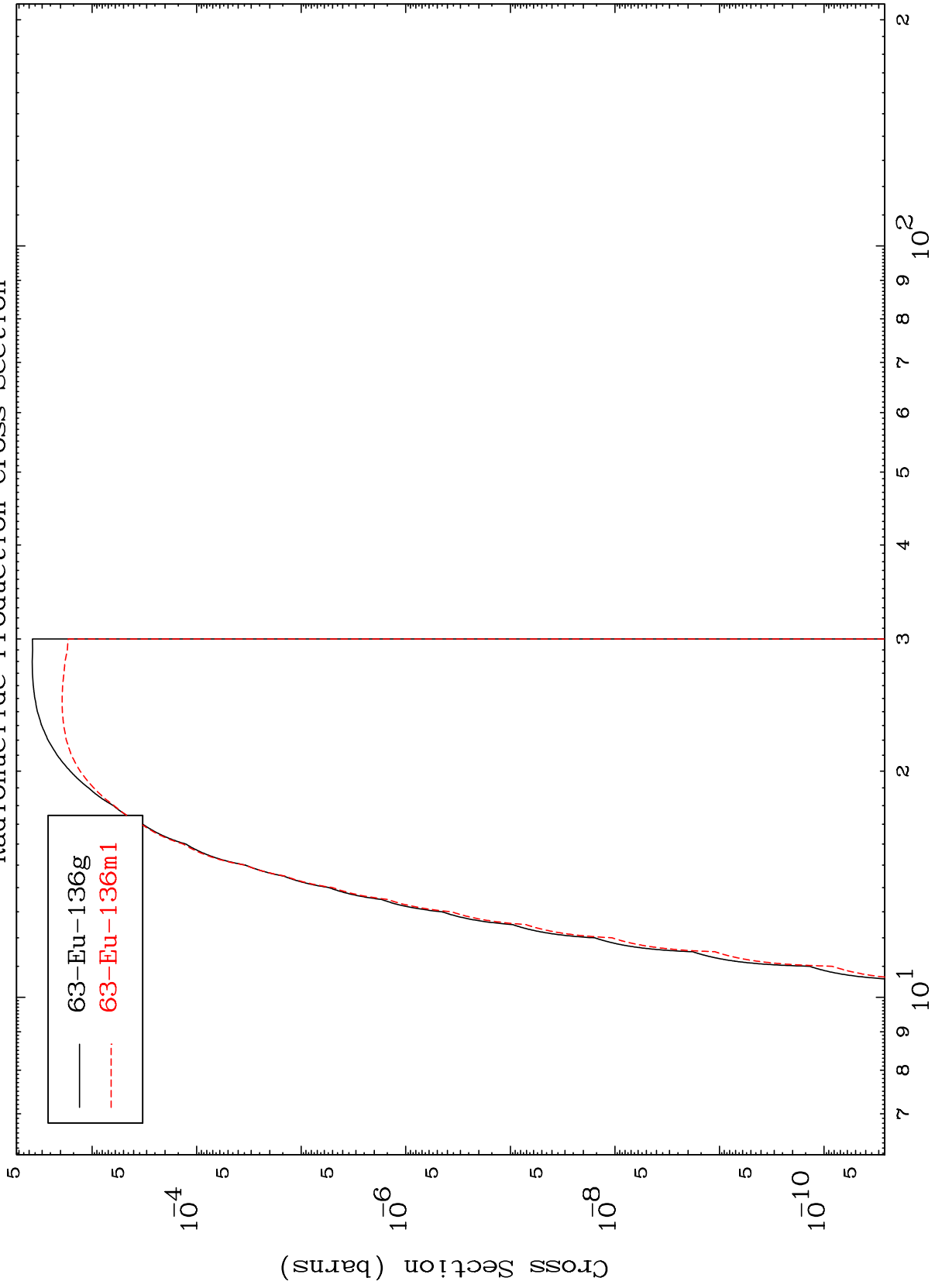
35

64-Gd-138

MAT 6383

64-Gd-138

(n, t)
Radionuclide Production Cross Section



36

Incident Energy (MeV)

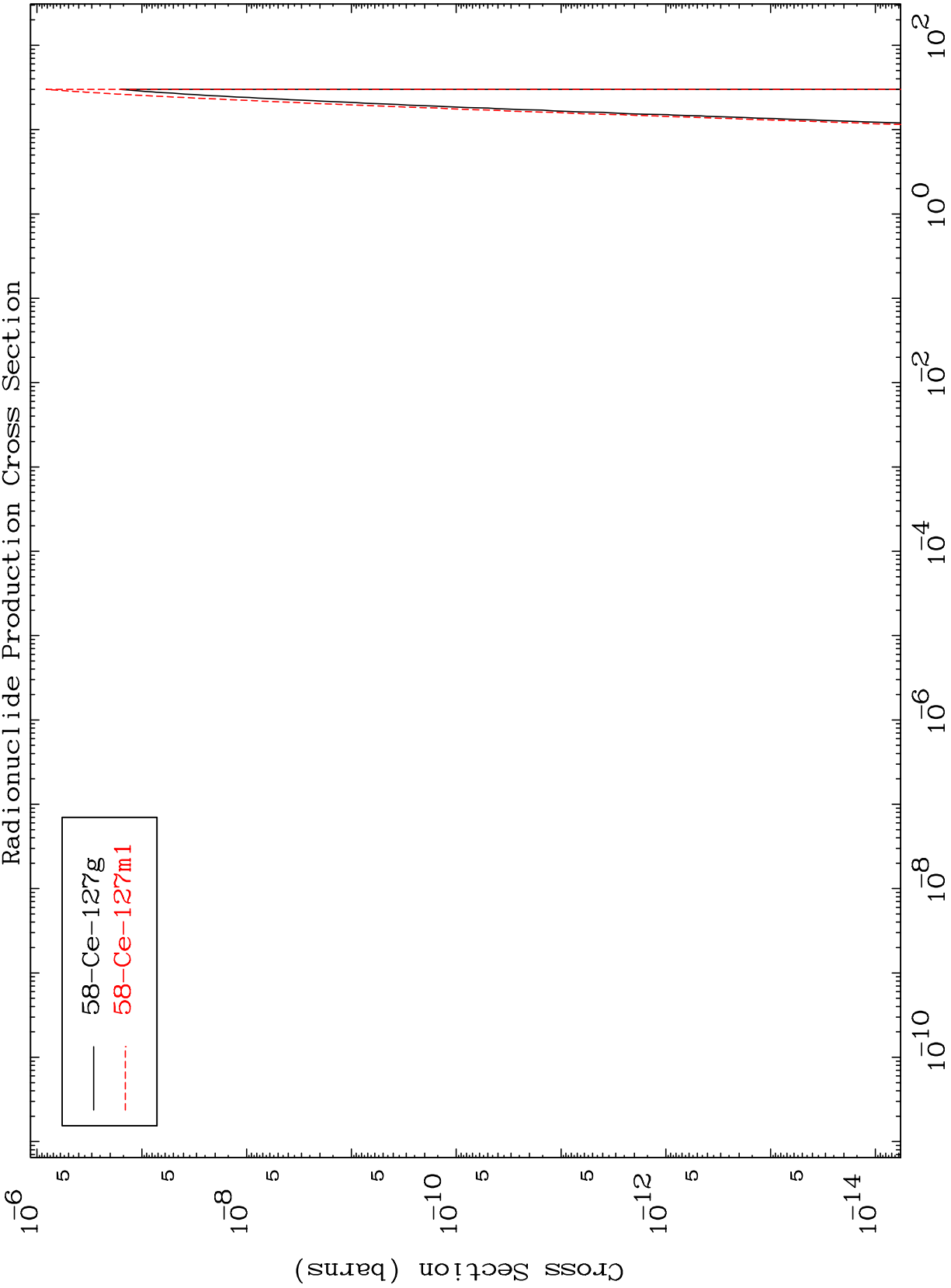
64-Gd-138

MAT 6383

(n,3α)

64-Gd-138

Radionuclide Production Cross Section



37

Incident Energy (MeV)

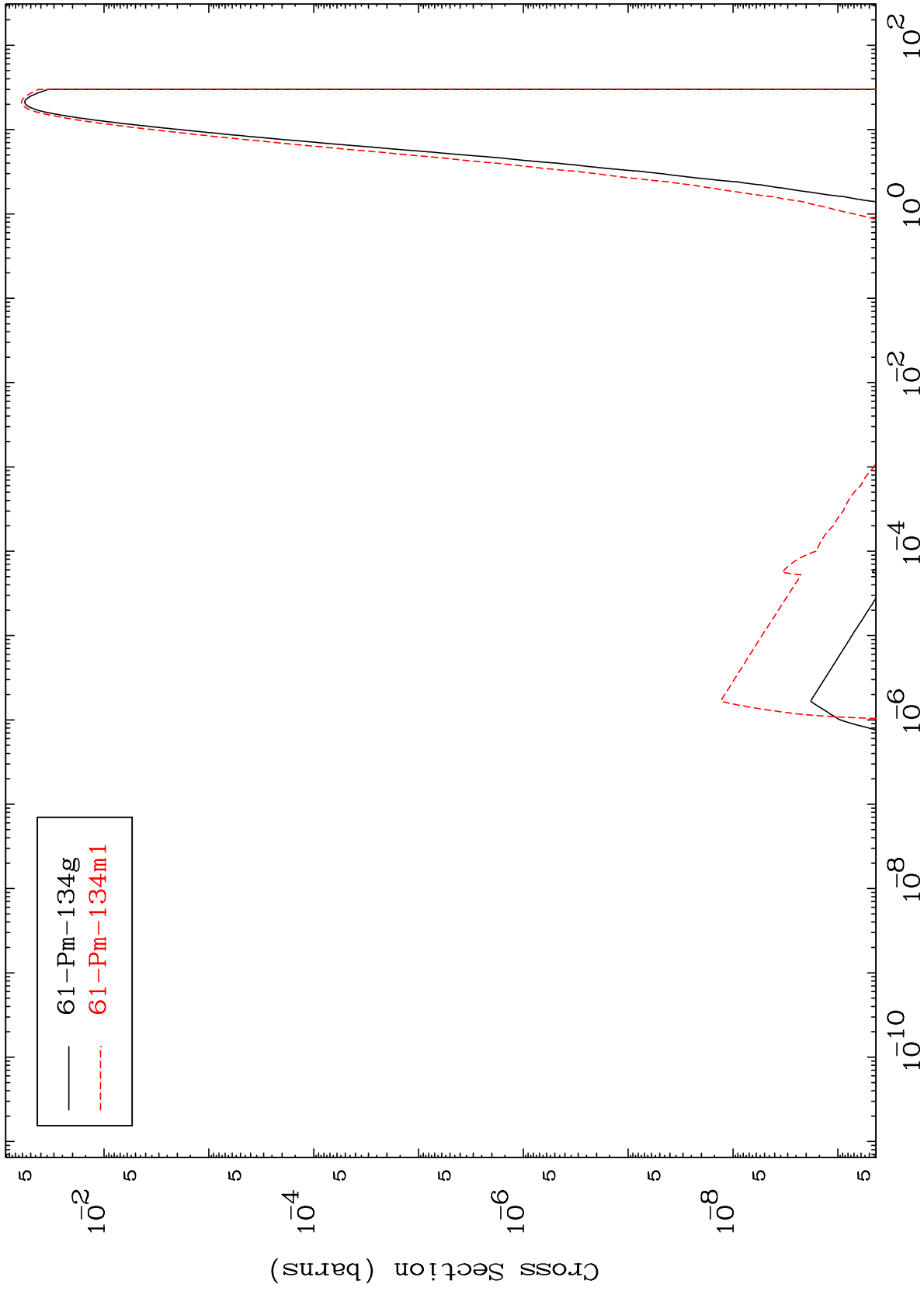
64-Gd-138

MAT 6383

$(n,p) \alpha$

$^{64}\text{Gd-138}$

Radionuclide Production Cross Section



38

Incident Energy (MeV)

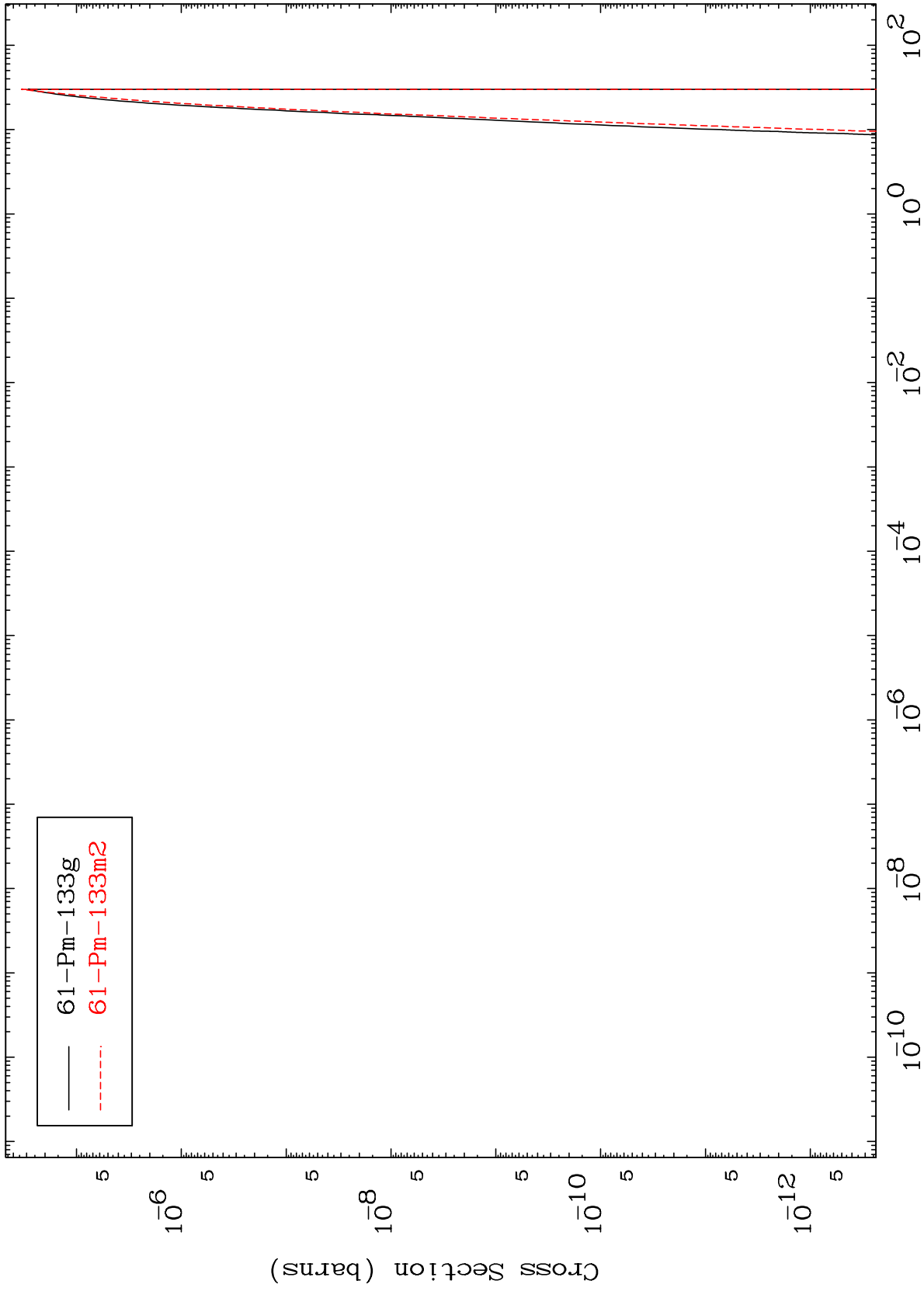
$^{64}\text{Gd-138}$

MAT 6383

(n,d) α

64-Gd-138

Radionuclide Production Cross Section



39

Incident Energy (MeV)

64-Gd-138