

Program EVALPLOT
(Version 2021-1)

by

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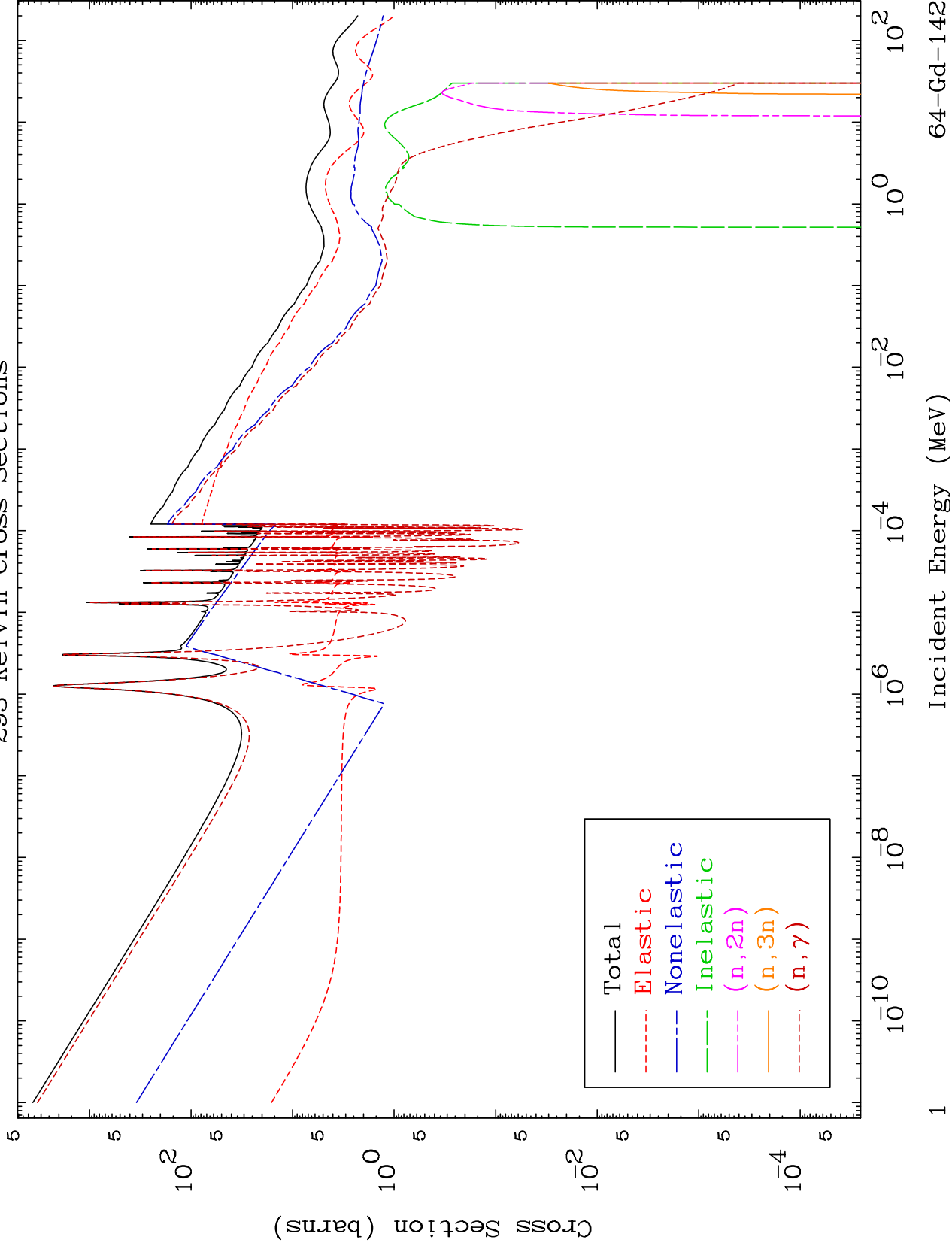
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Press Mouse Button to Start

MAT 6395

Neutron Major
293 Kelvins Cross Sections

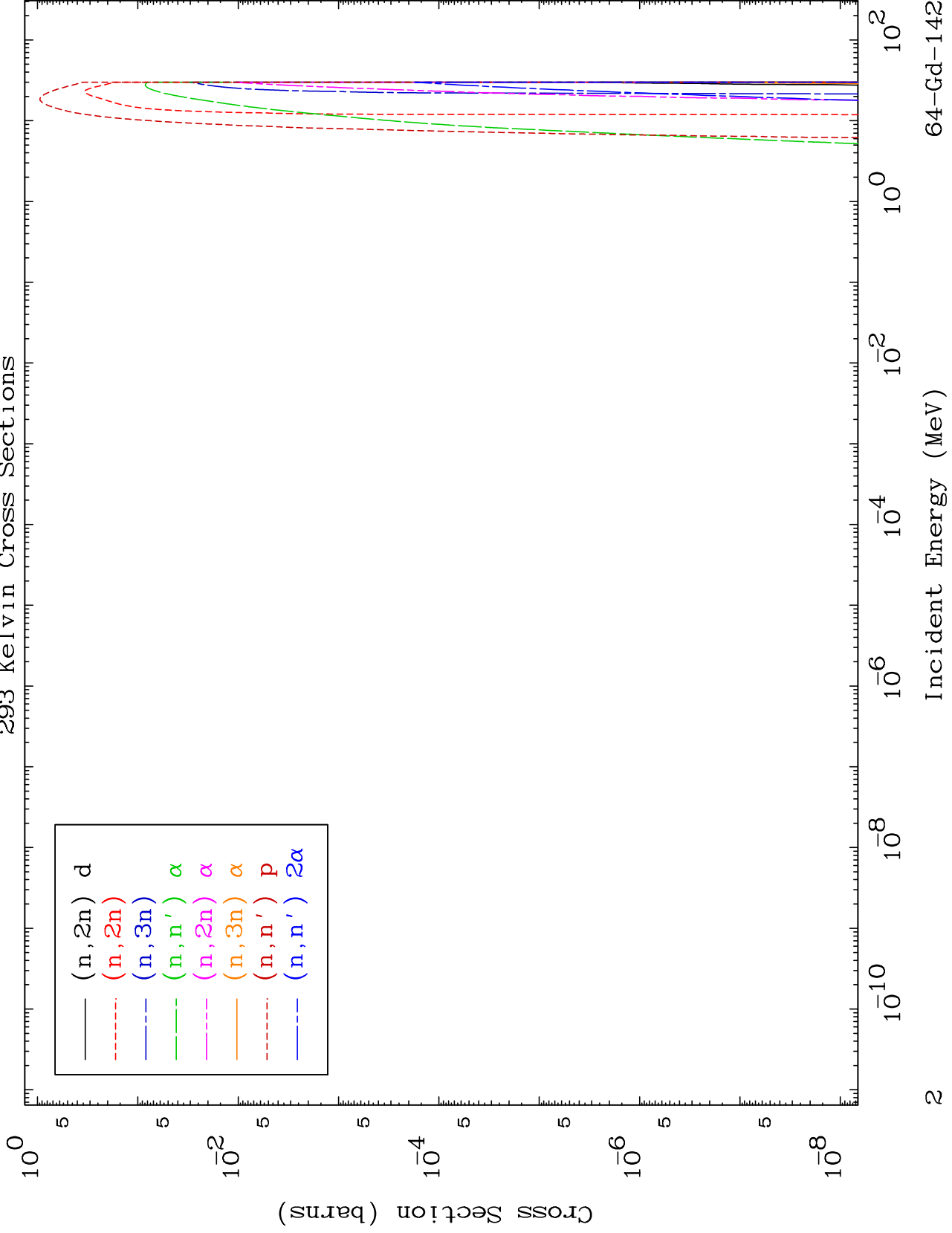
64-Gd-142



MAT 6395

Neutron Absorption
293 Kelvin Cross Sections

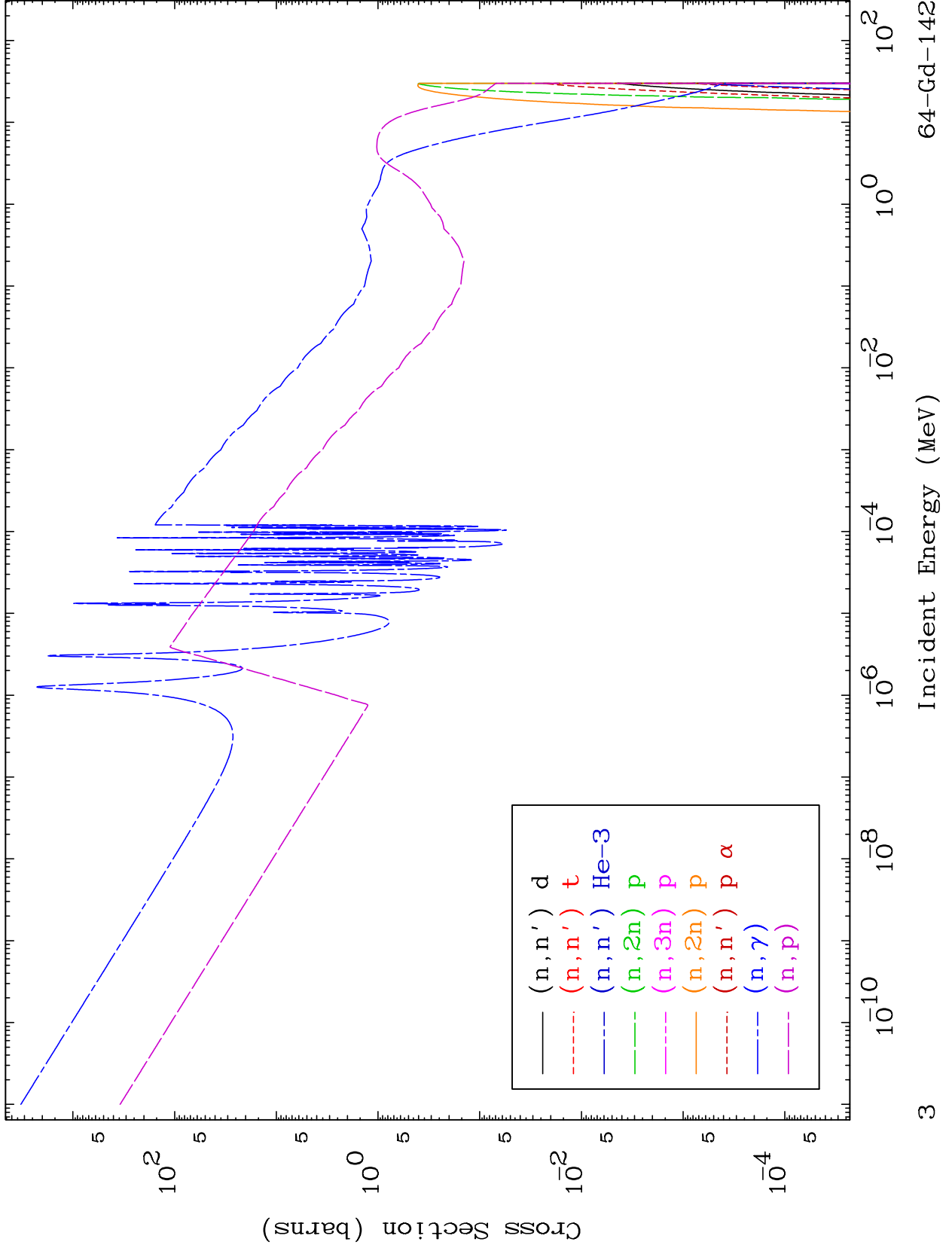
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MAT 6395

Neutron Absorption
293 Kelvin Cross Sections

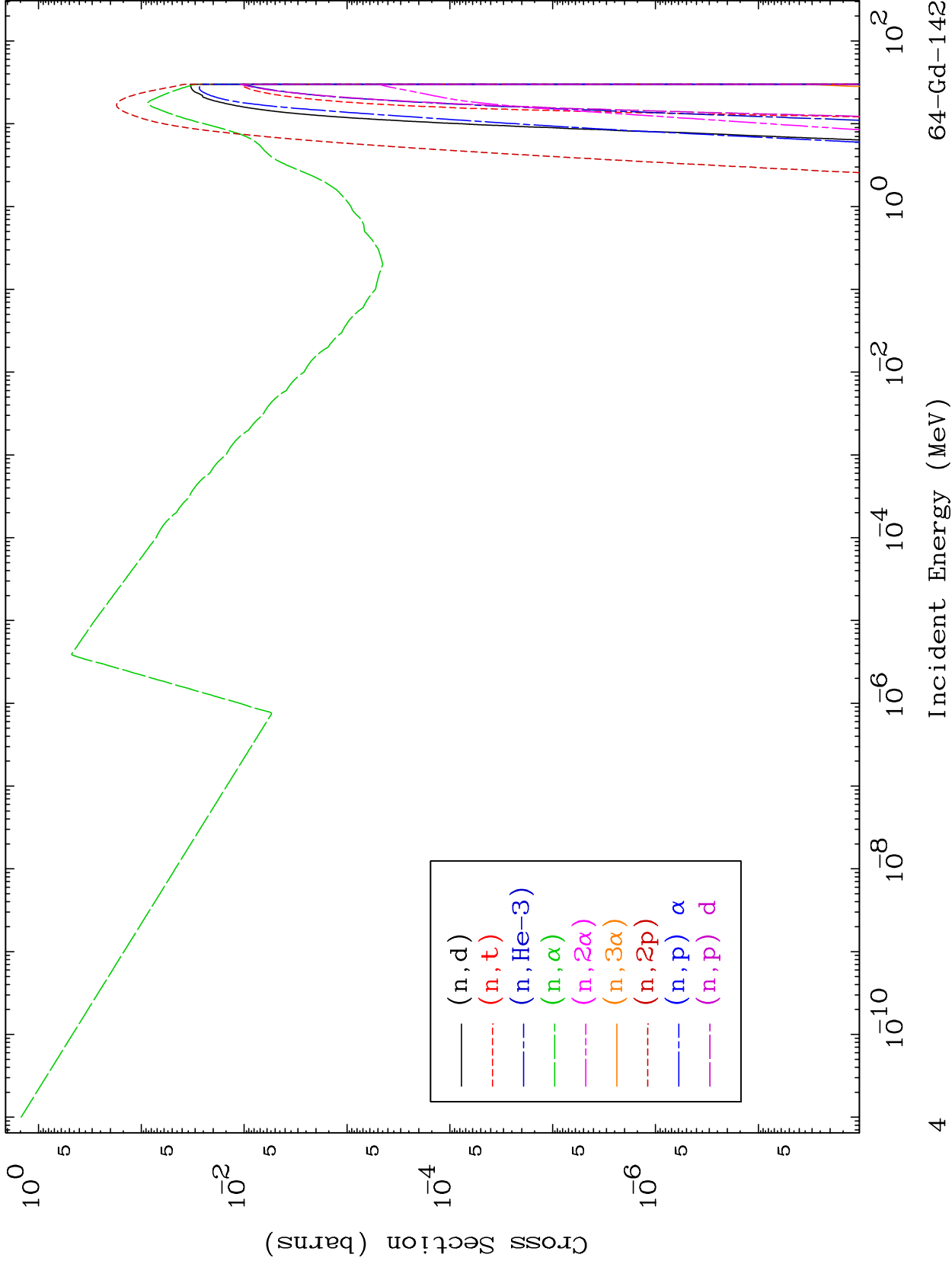
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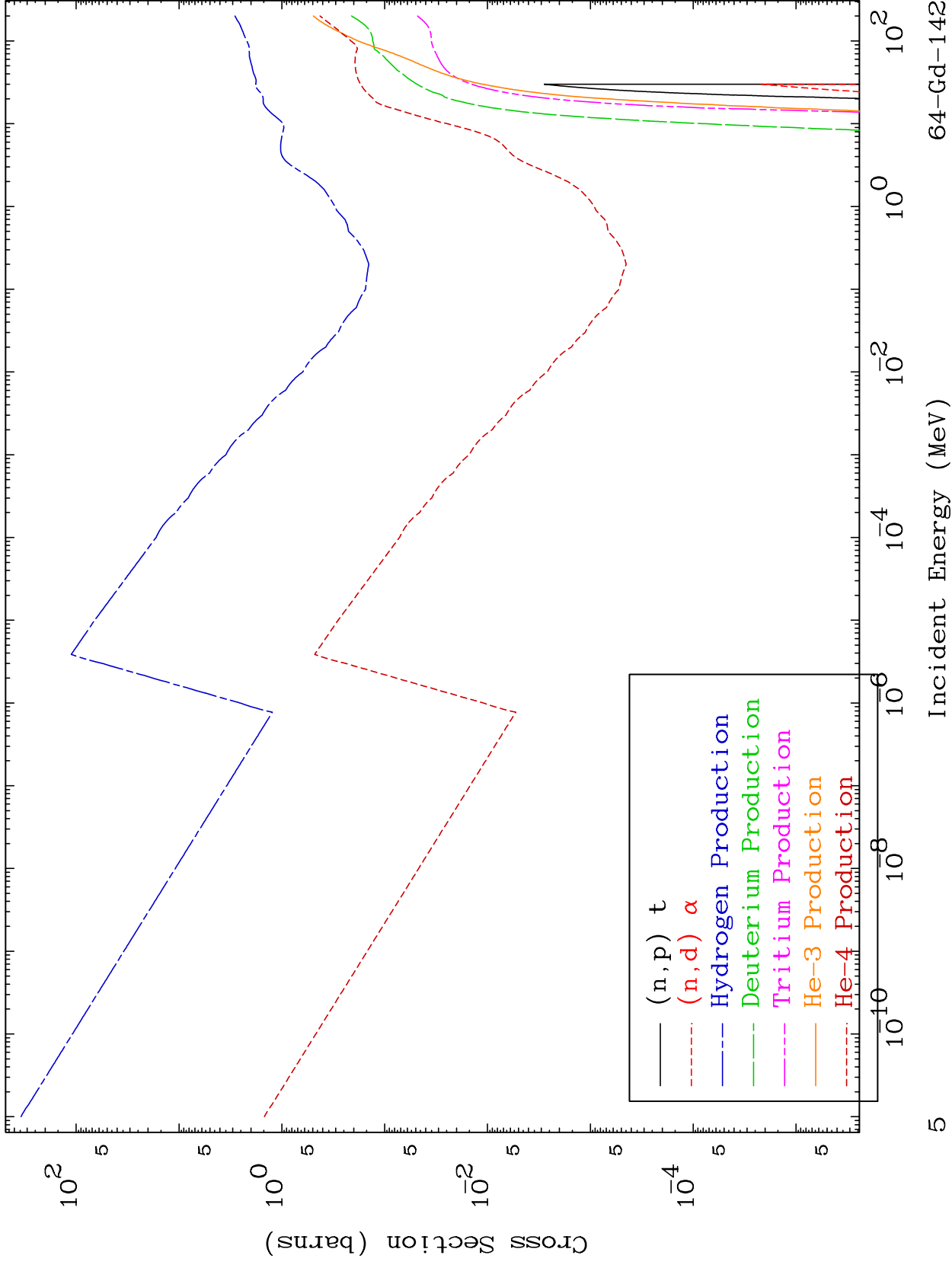


MAT 6395

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-142

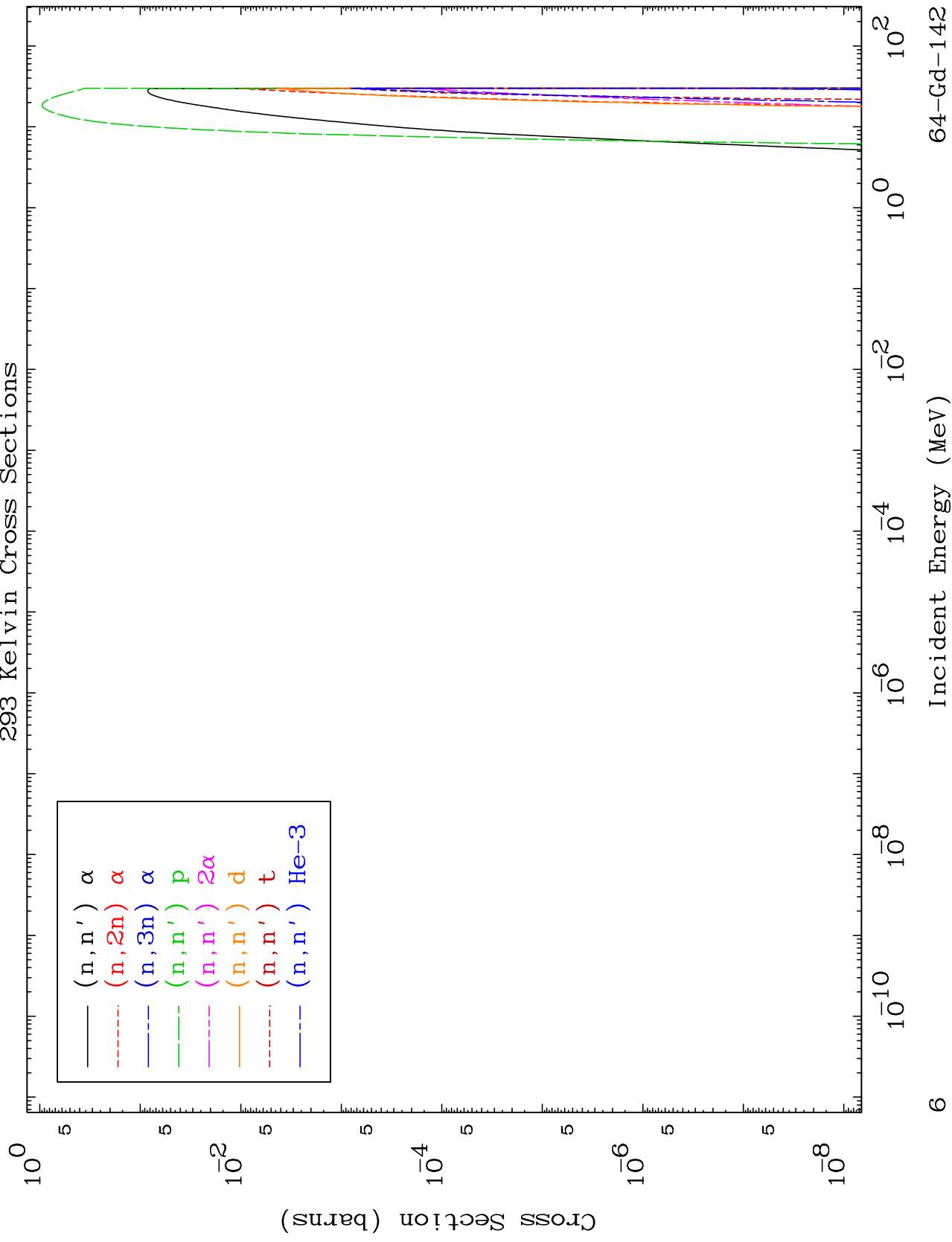




MAT 6395

Charged Particle
293 Kelvin Cross Sections

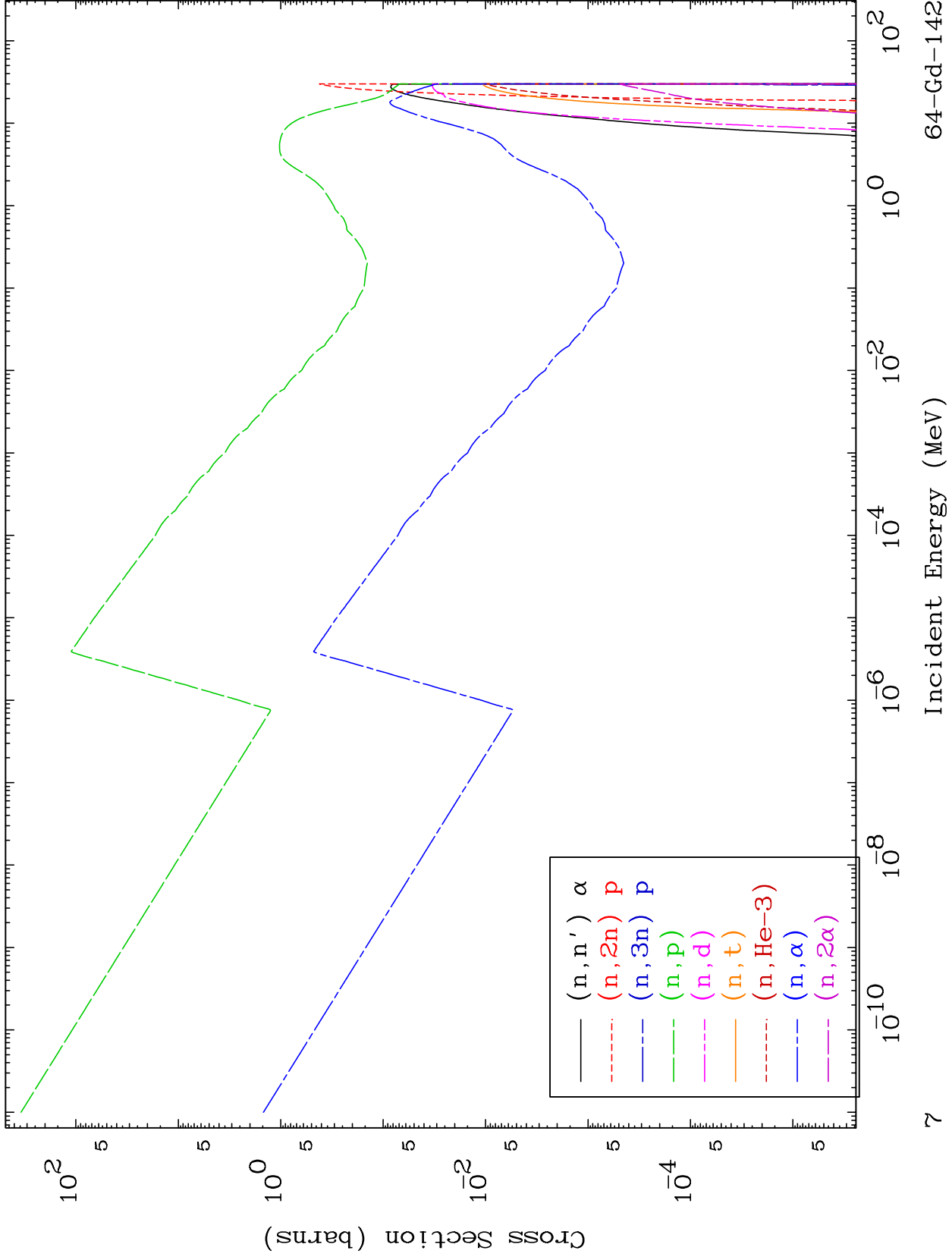
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MAT 6395

Charged Particle
293 Kelvin Cross Sections

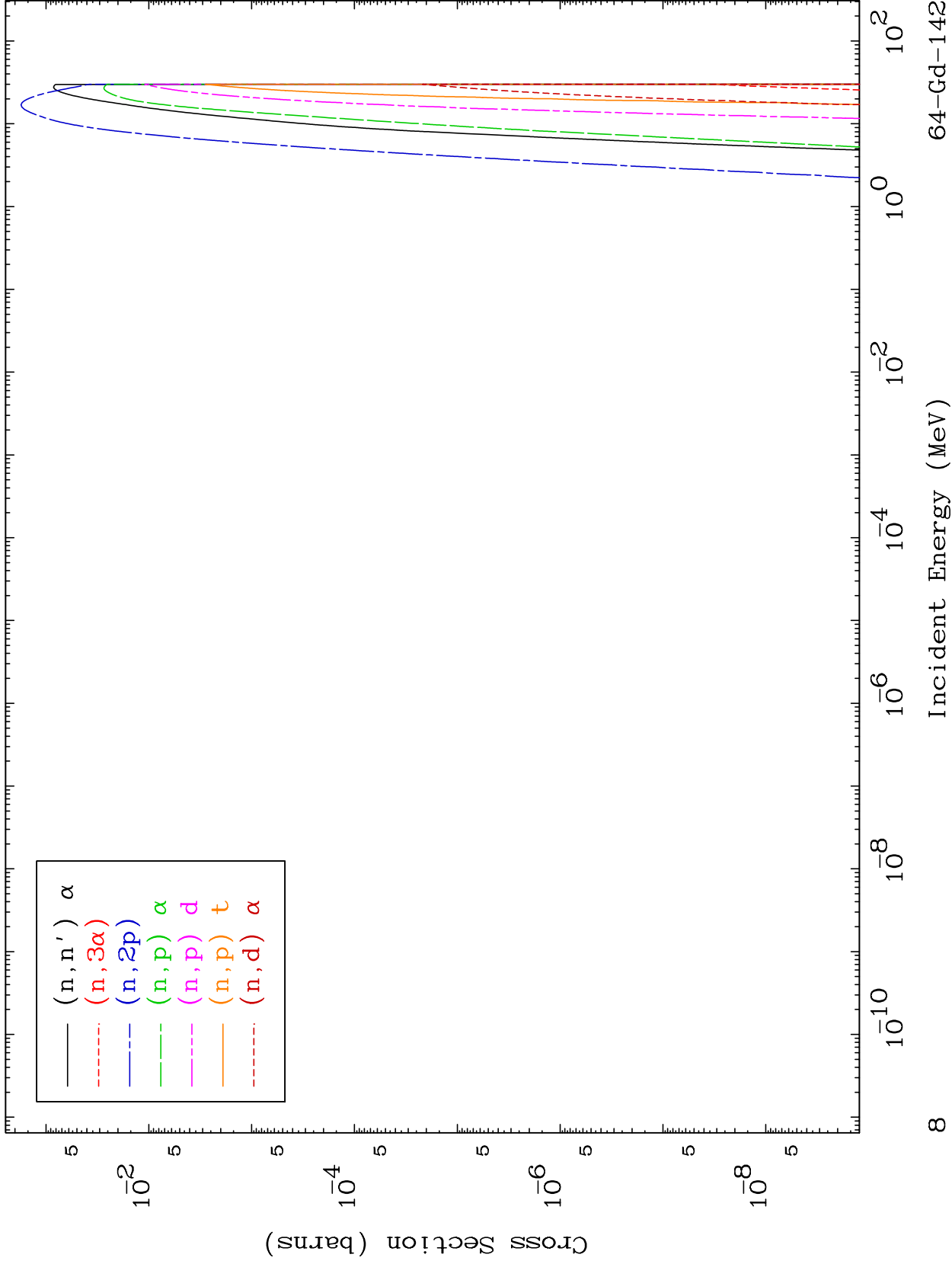
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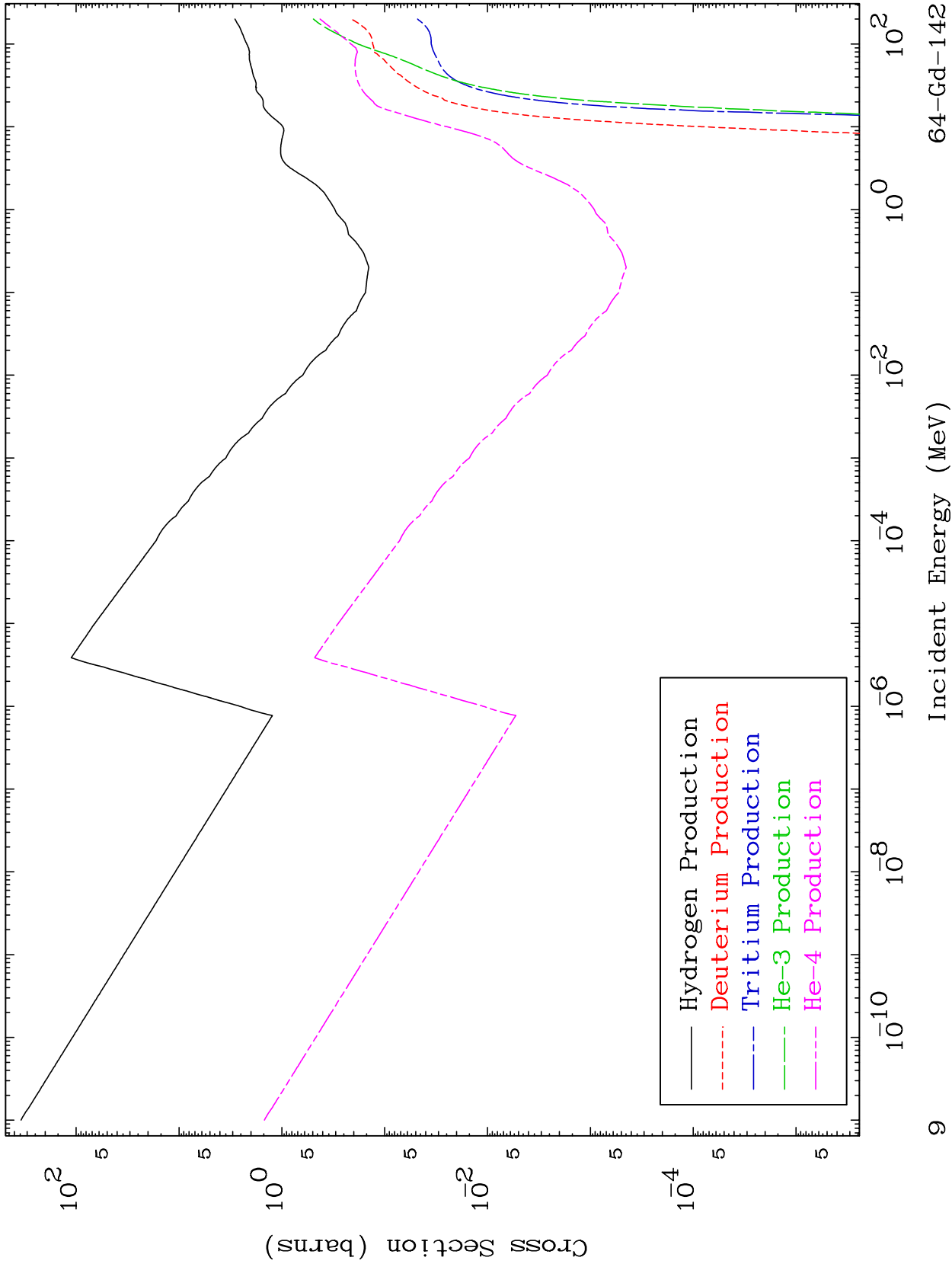


MAT 6395

Charged Particle
293 Kelvin Cross Sections

64-Gd-142



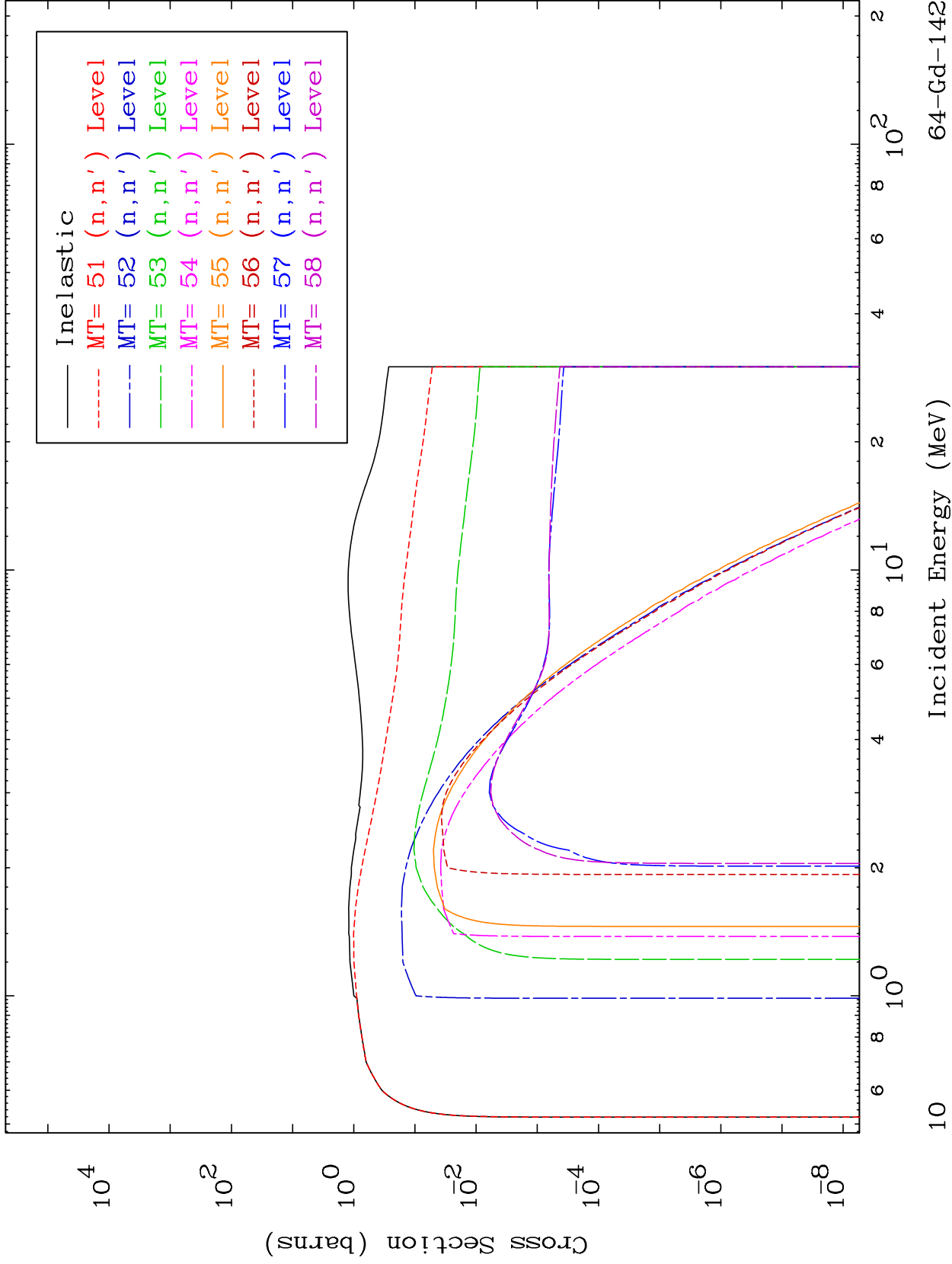


MAT 6395

(n,n') Levels

64-Gd-142

293 Kelvin Cross Sections



10

Incident Energy (MeV)

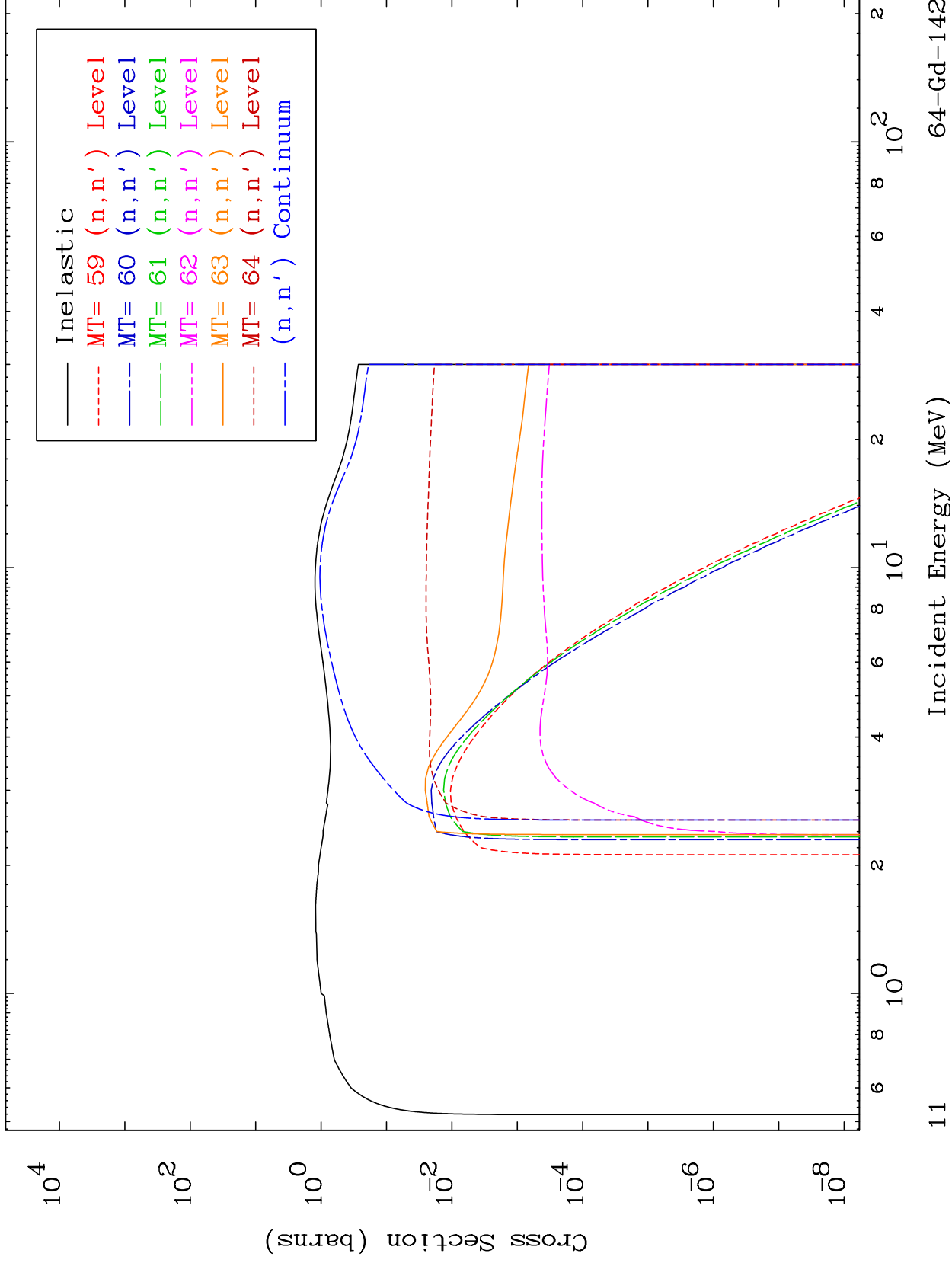
64-Gd-142

MAT 6395

(n,n') Levels

64-Gd-142

293 Kelvin Cross Sections



11

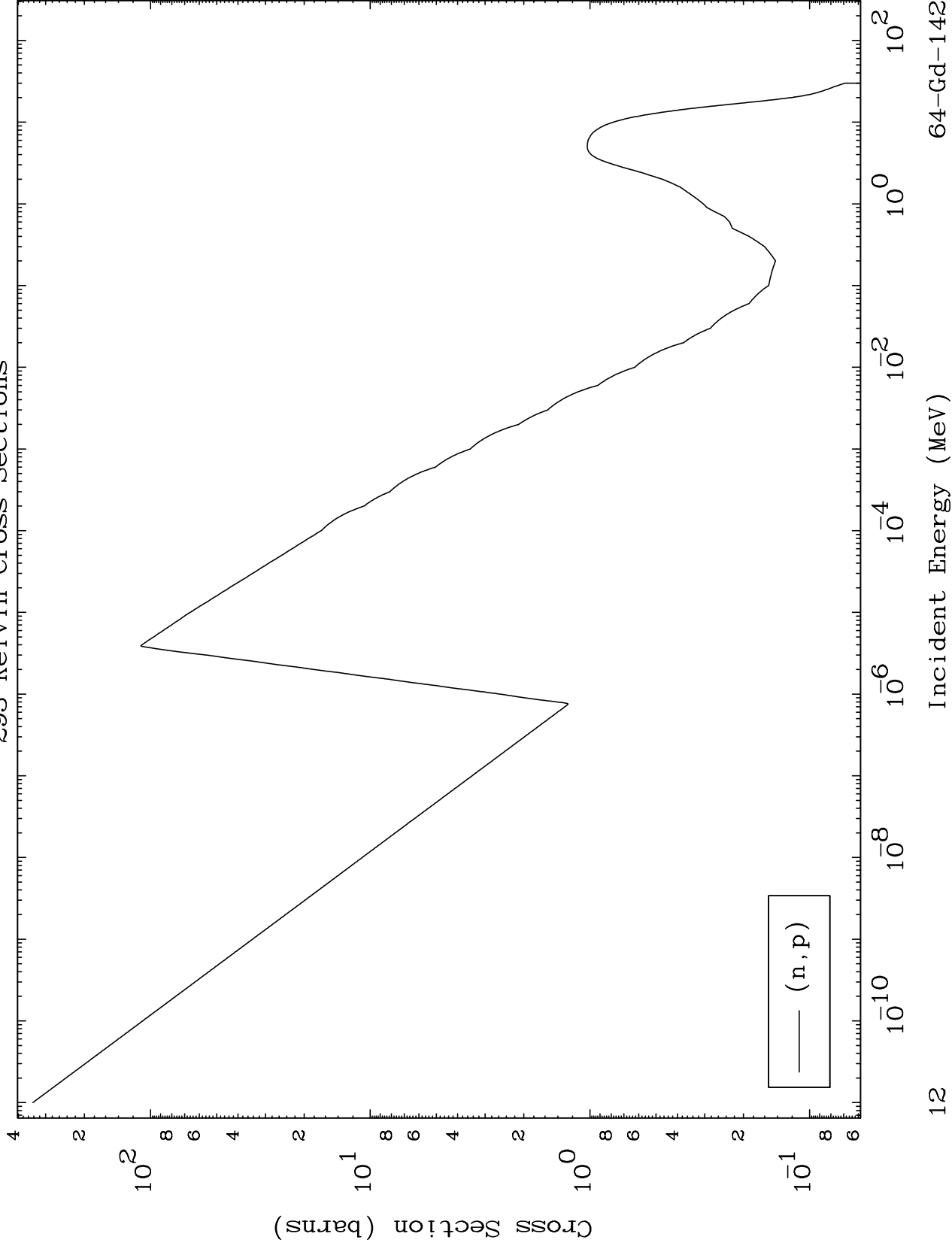
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,p) Levels
293 Kelvin Cross Sections

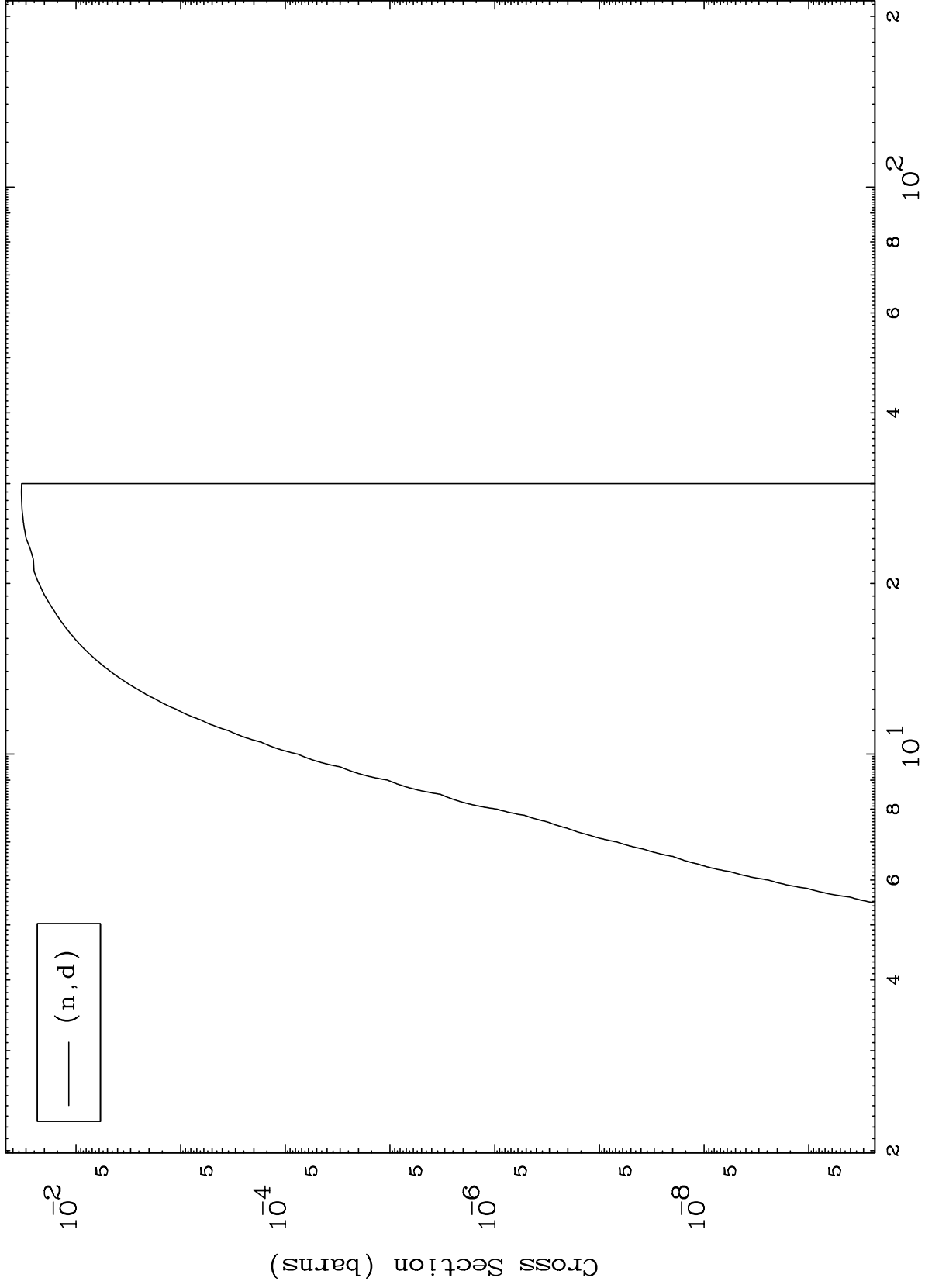
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MAT 6395

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-142



13

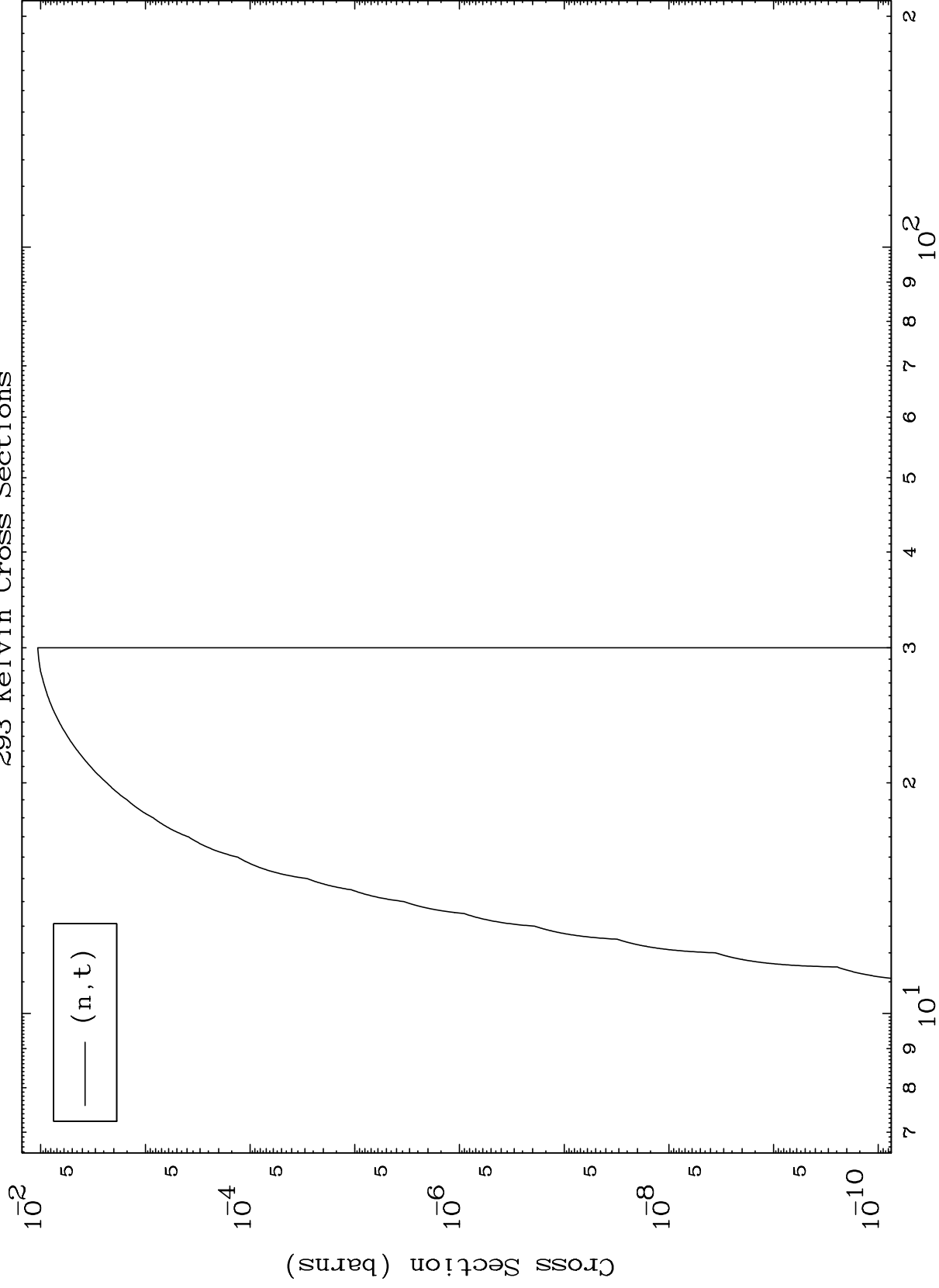
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-142



14

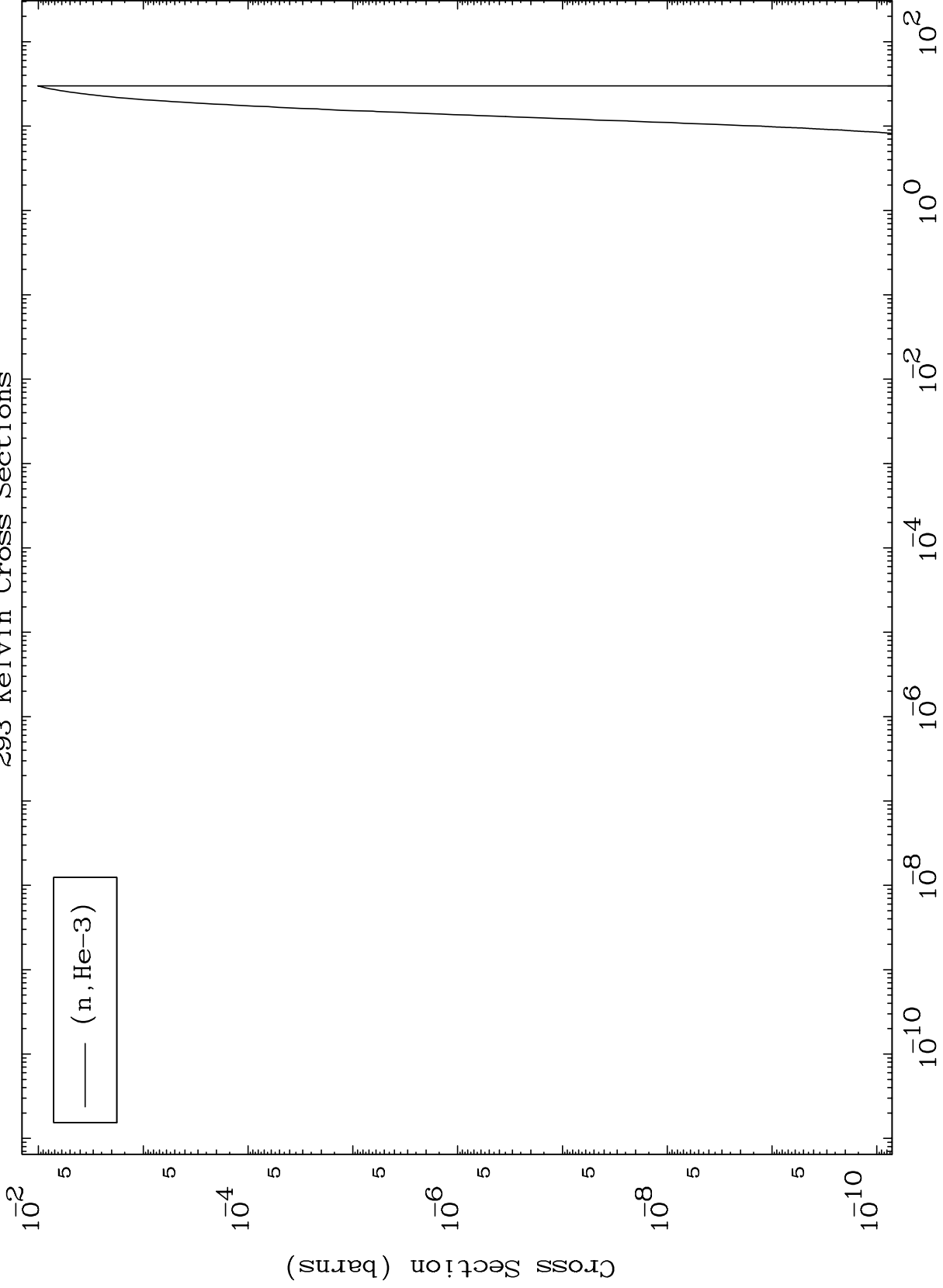
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-142



15

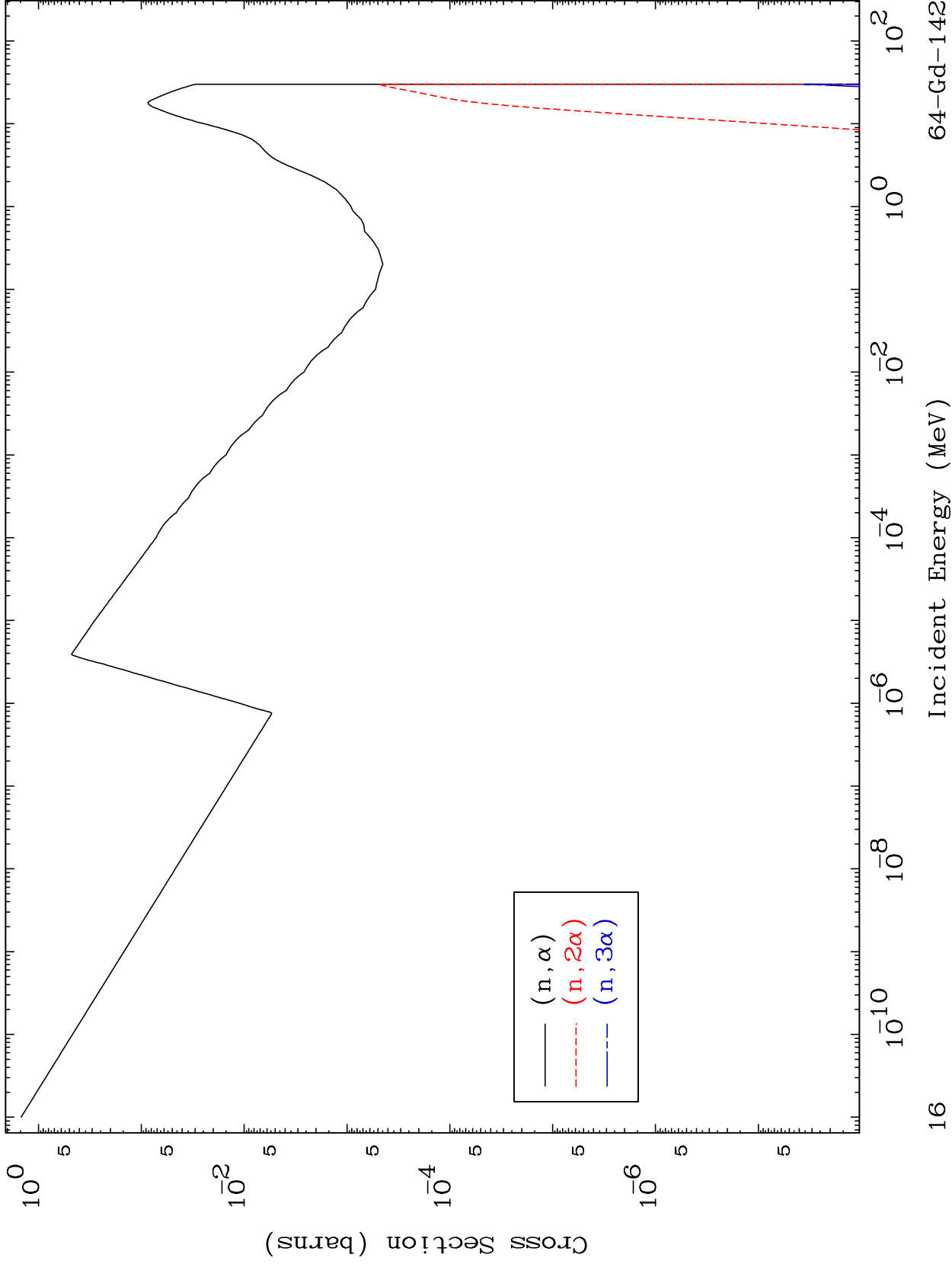
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n, α) Levels
293 Kelvin Cross Sections

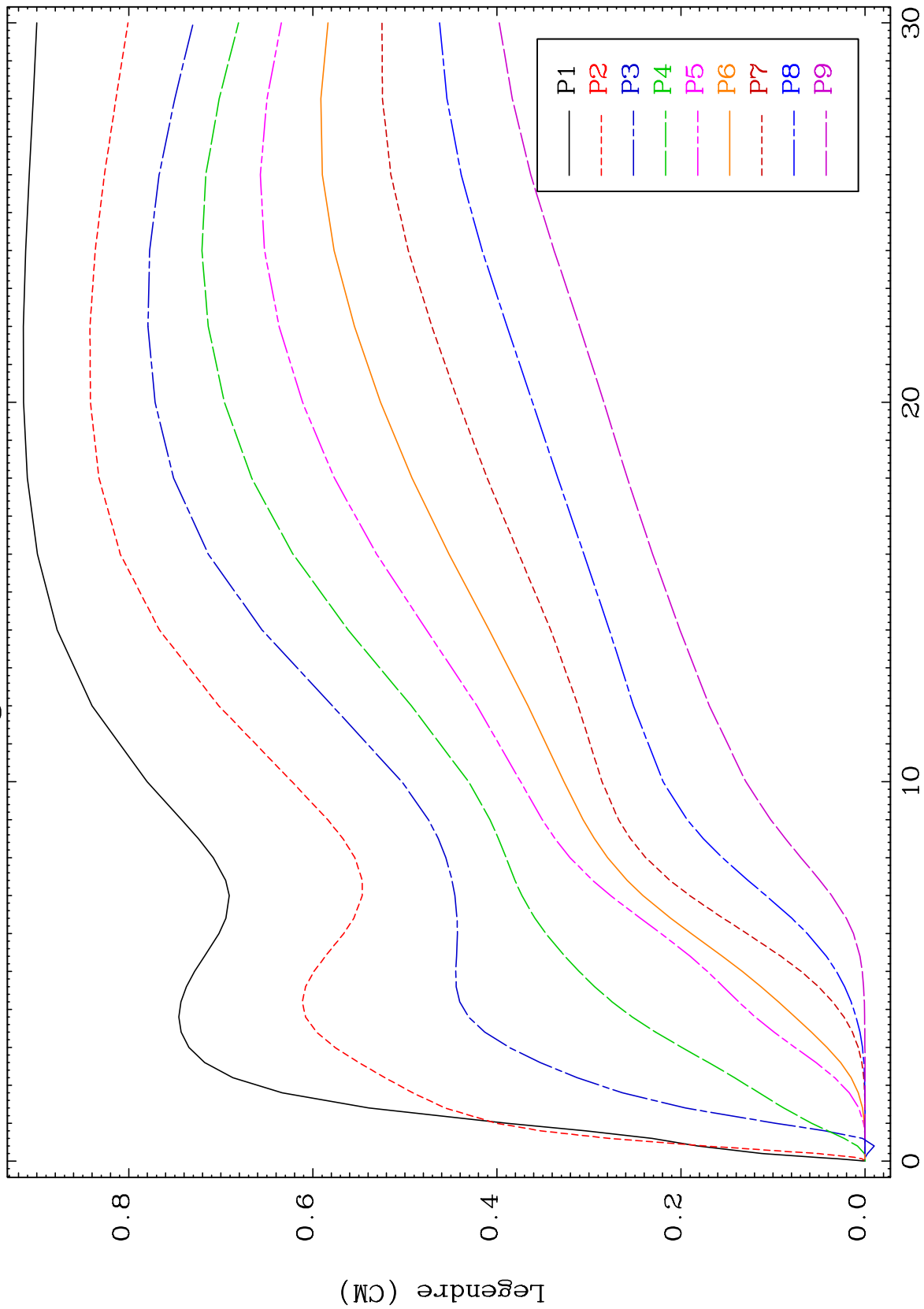
64-Gd-142



MAT 6395

Elastic Legendre Coefficients

64-Gd-142



17

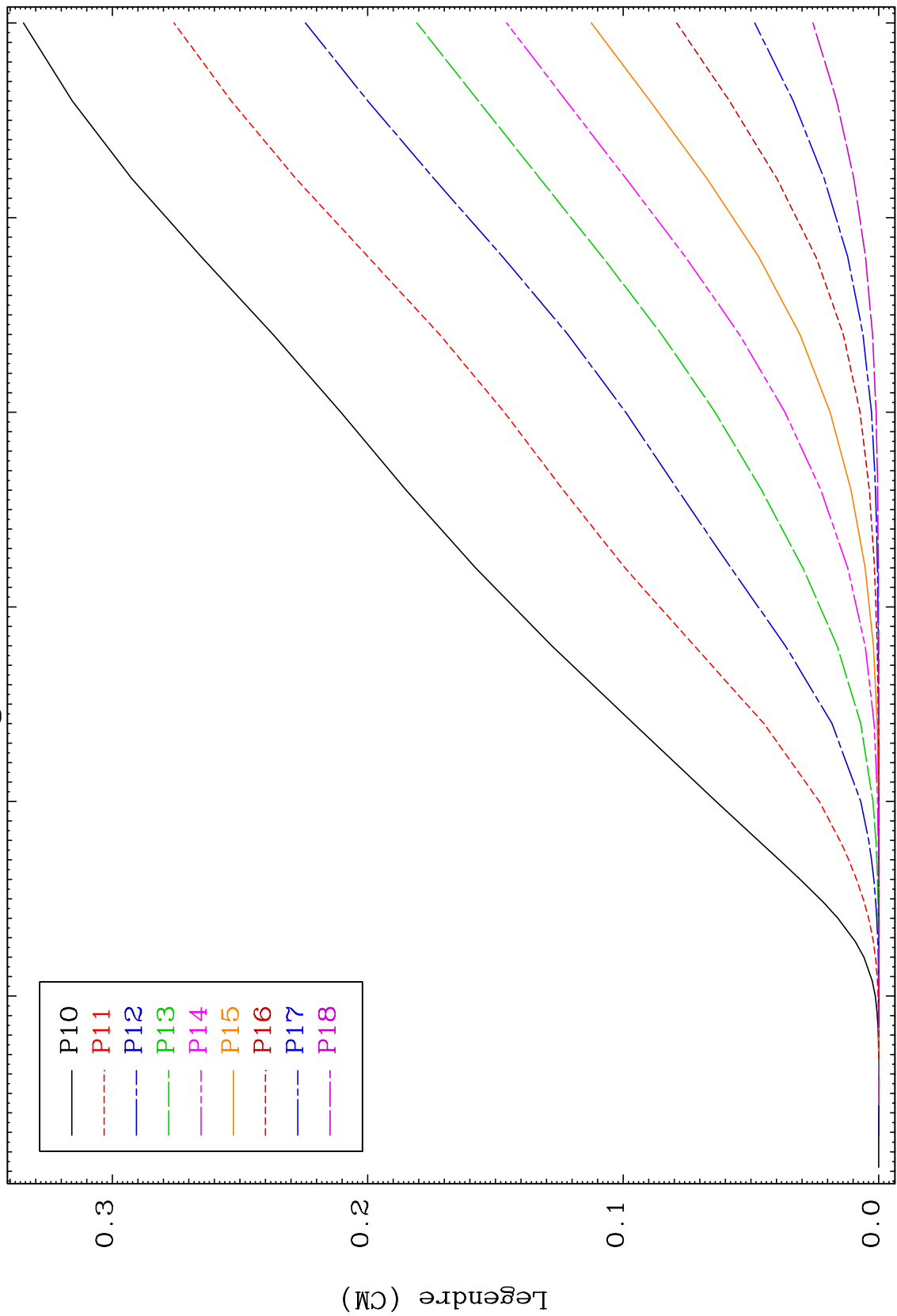
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



18

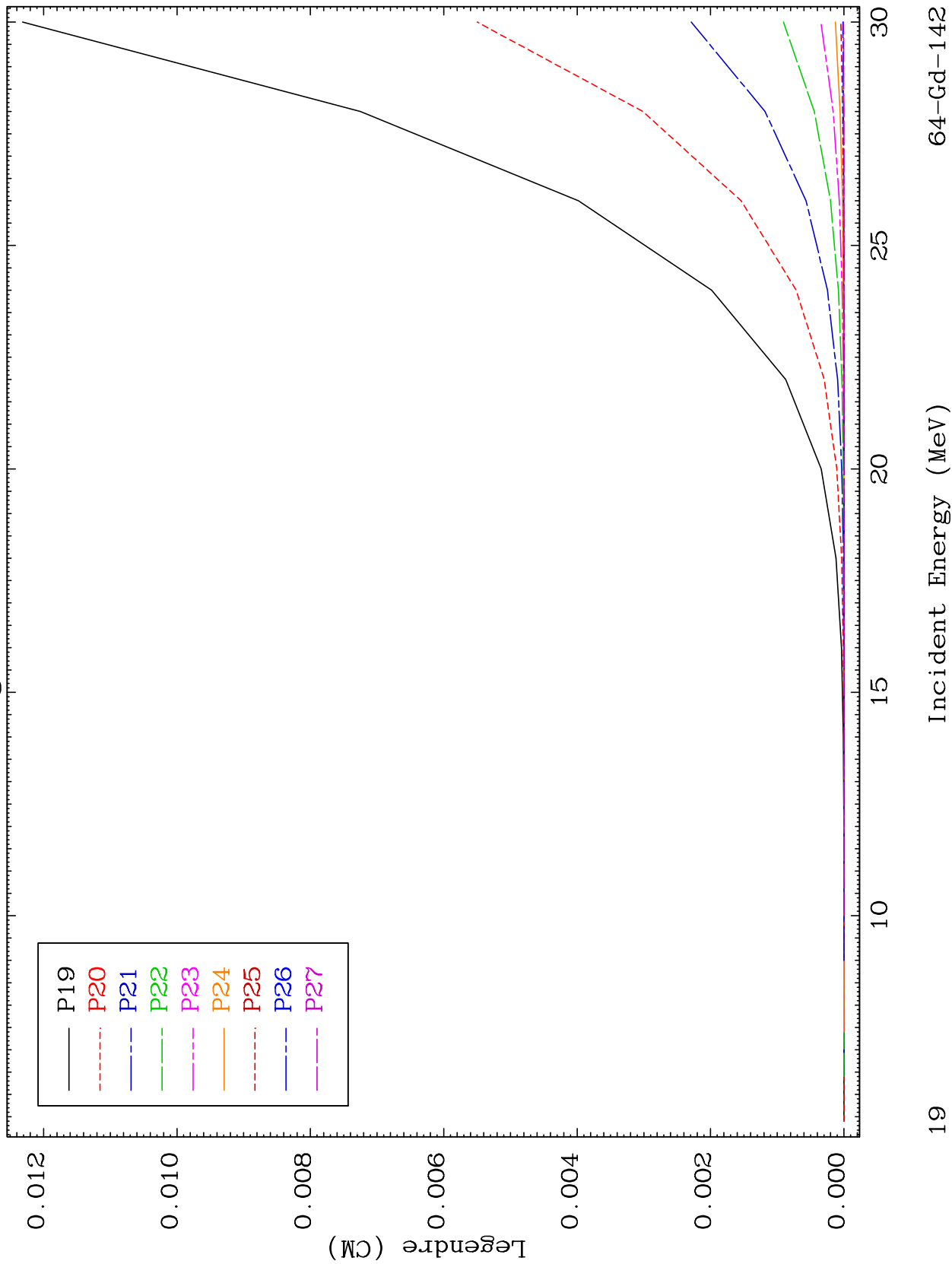
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



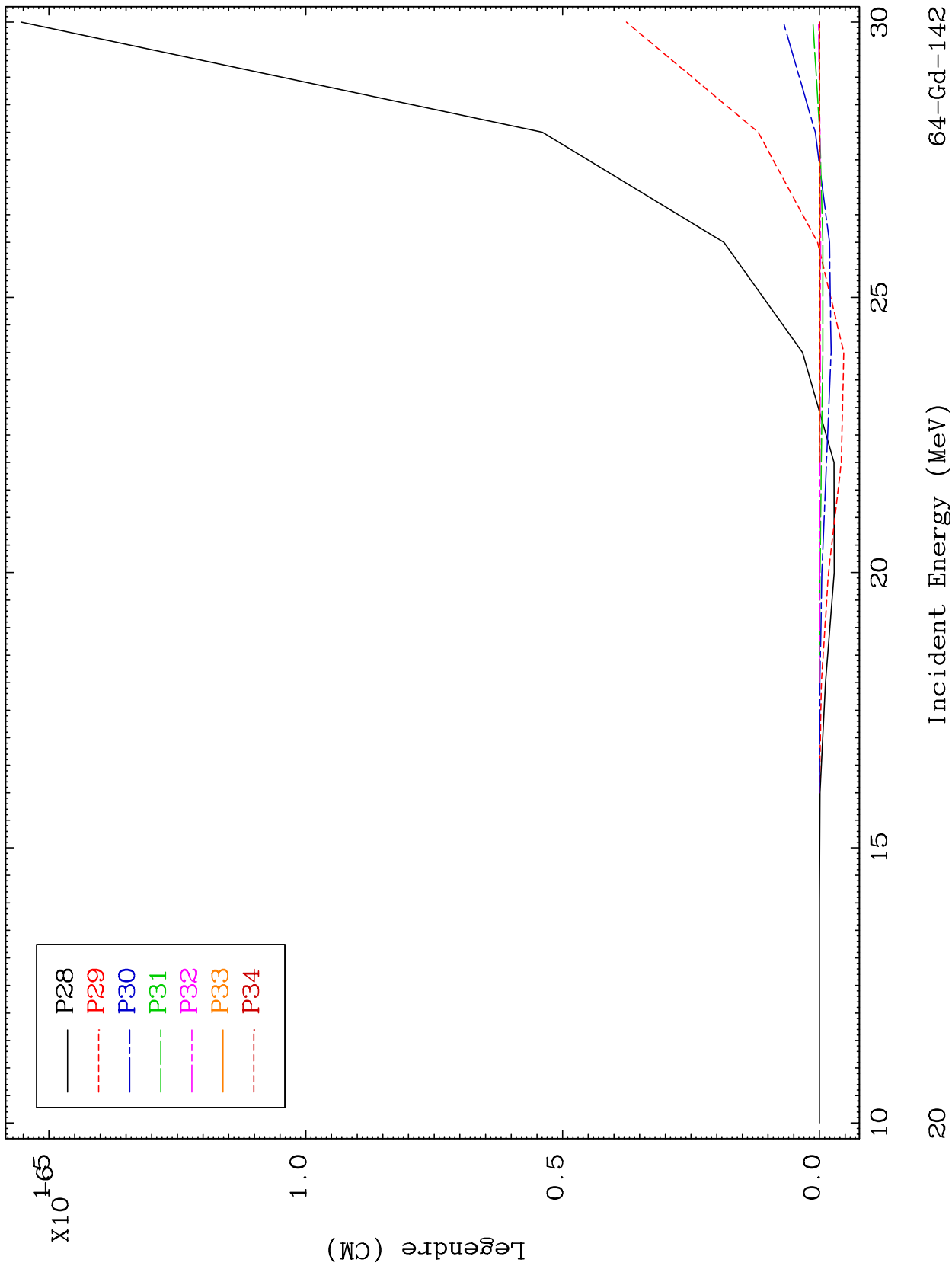
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64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



64-Gd-142

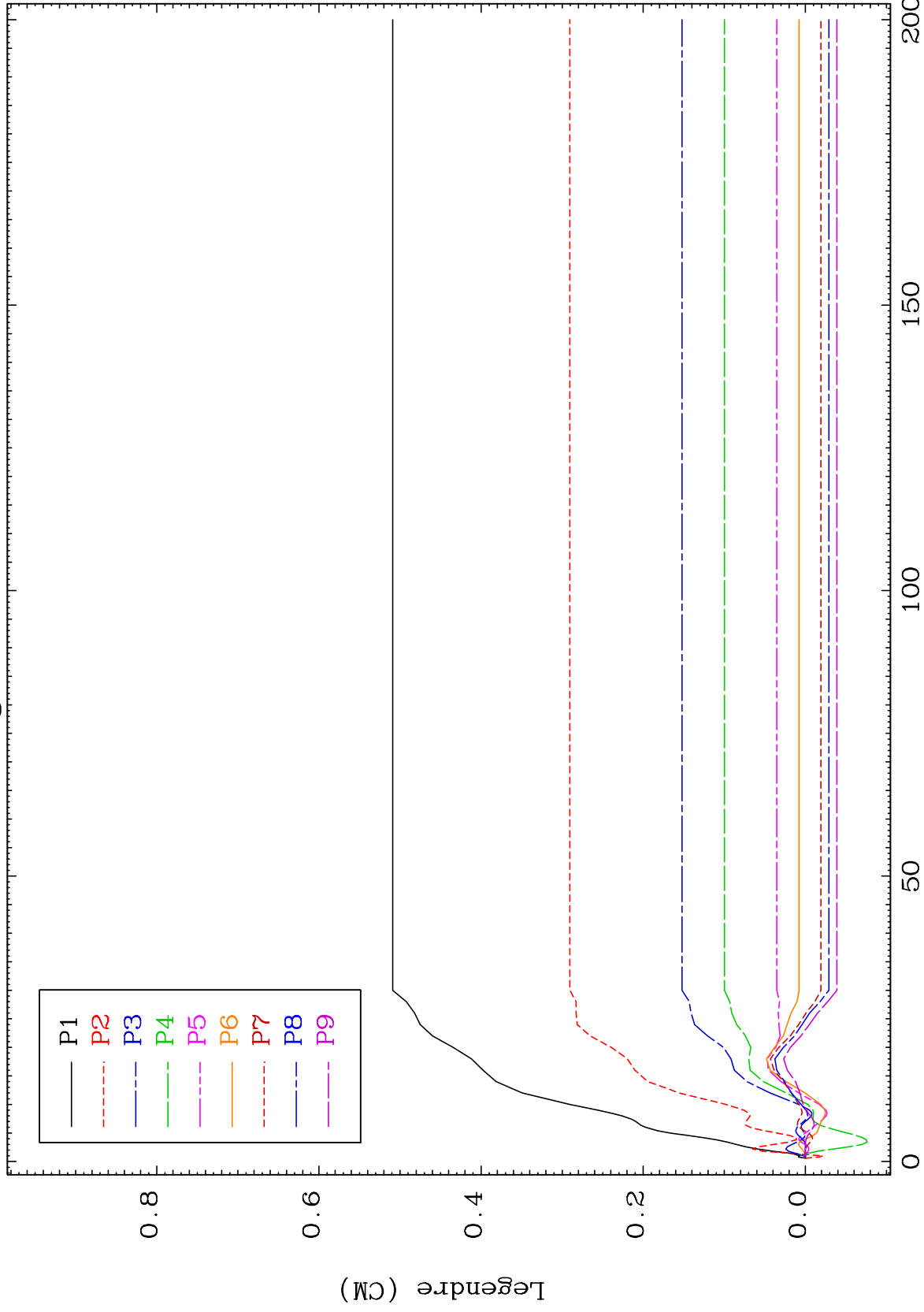
Incident Energy (MeV)

20

MAT 6395

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

64-Gd-142



64-Gd-142

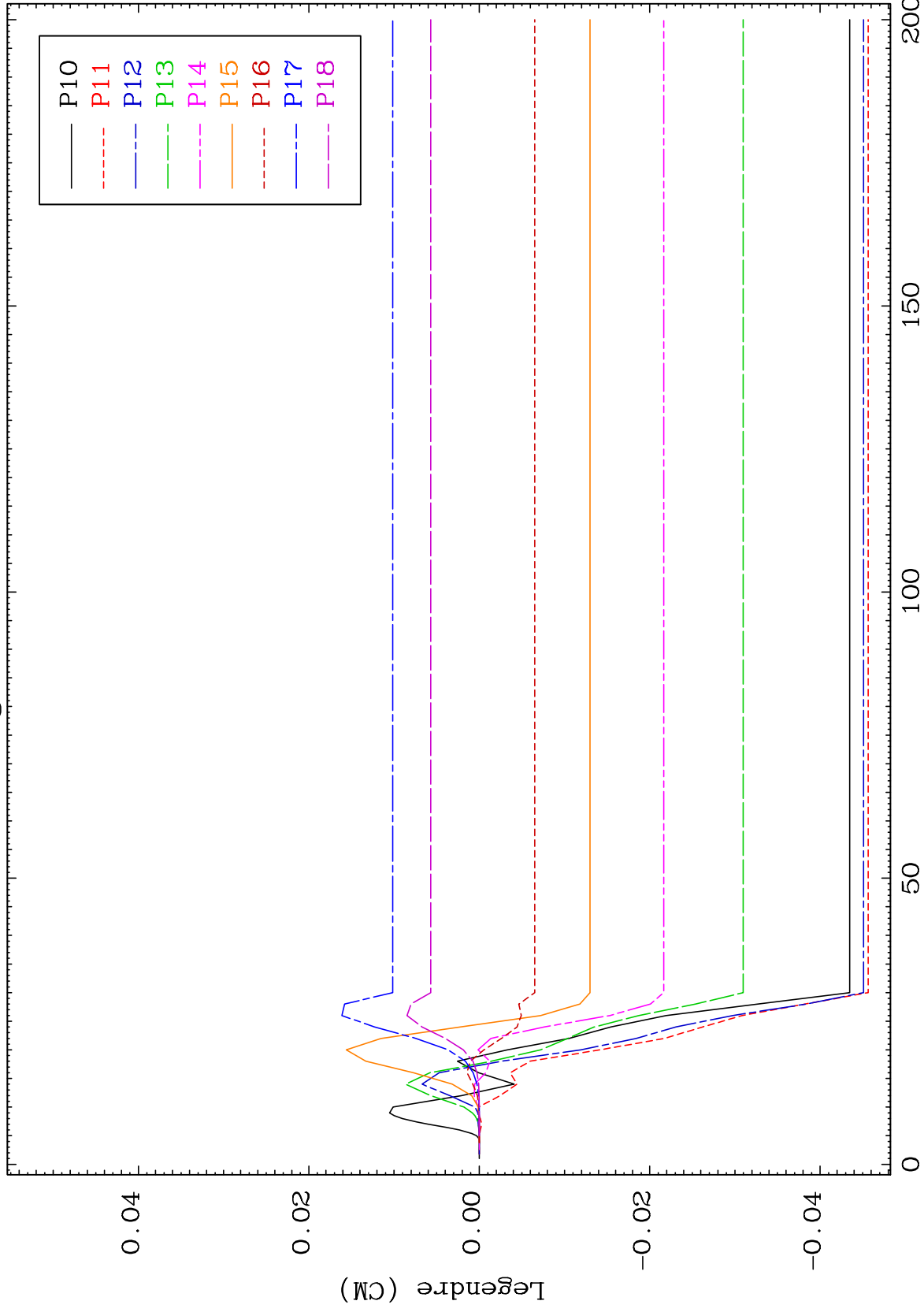
Incident Energy (MeV)

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MAT 6395

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

64-Gd-142



22

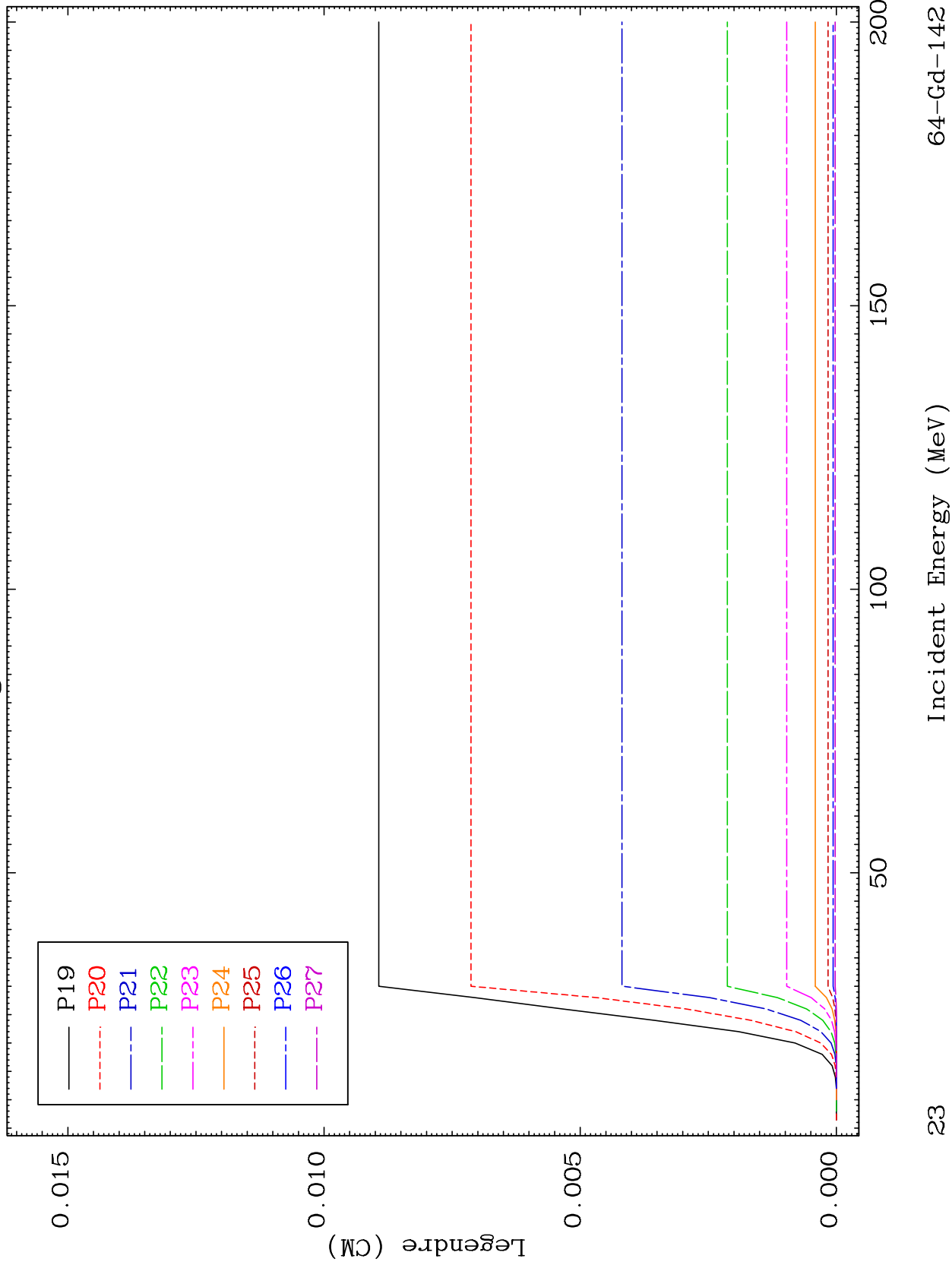
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



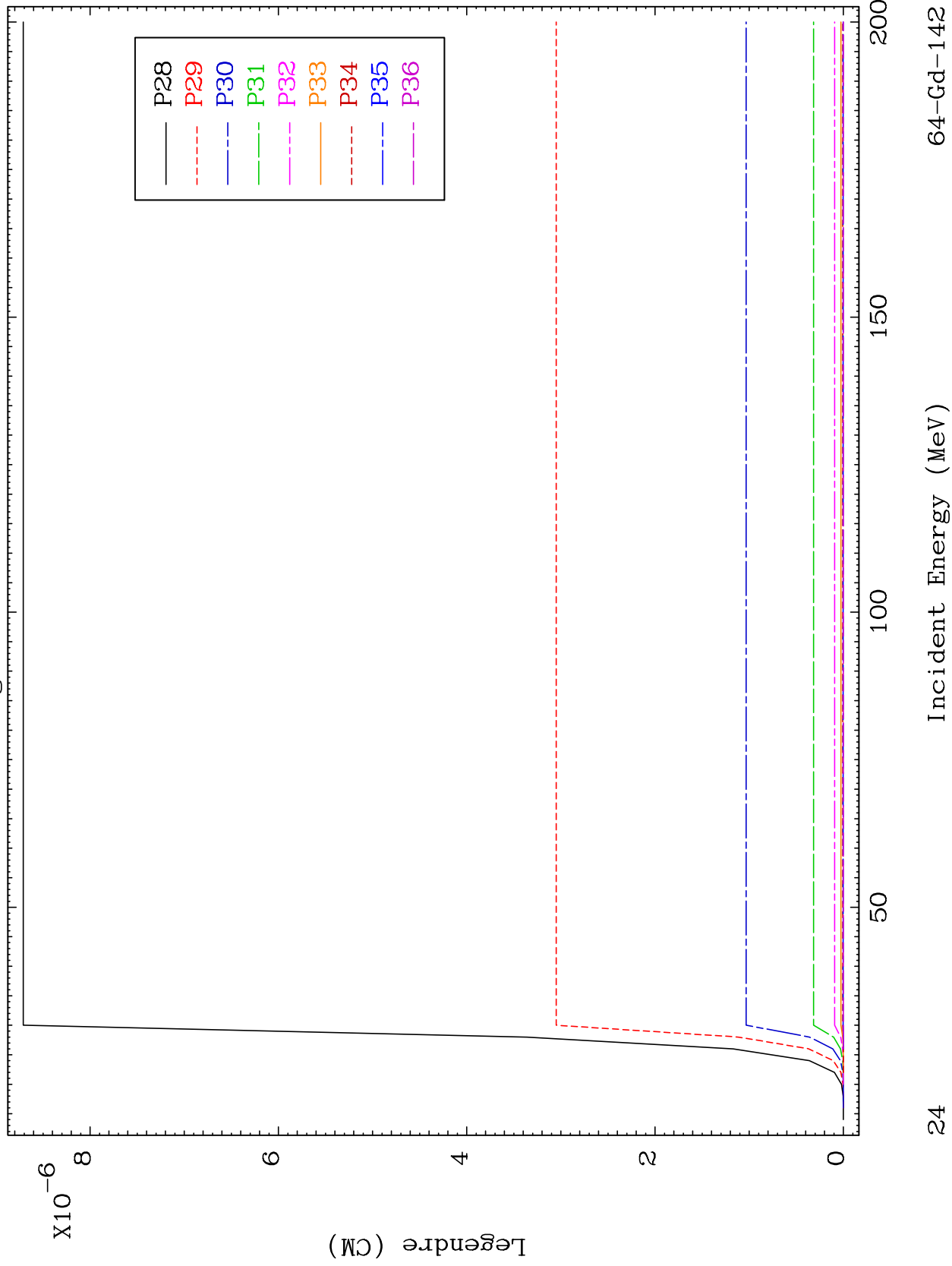
23

64-Gd-142

MAT 6395

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

64-Gd-142



24

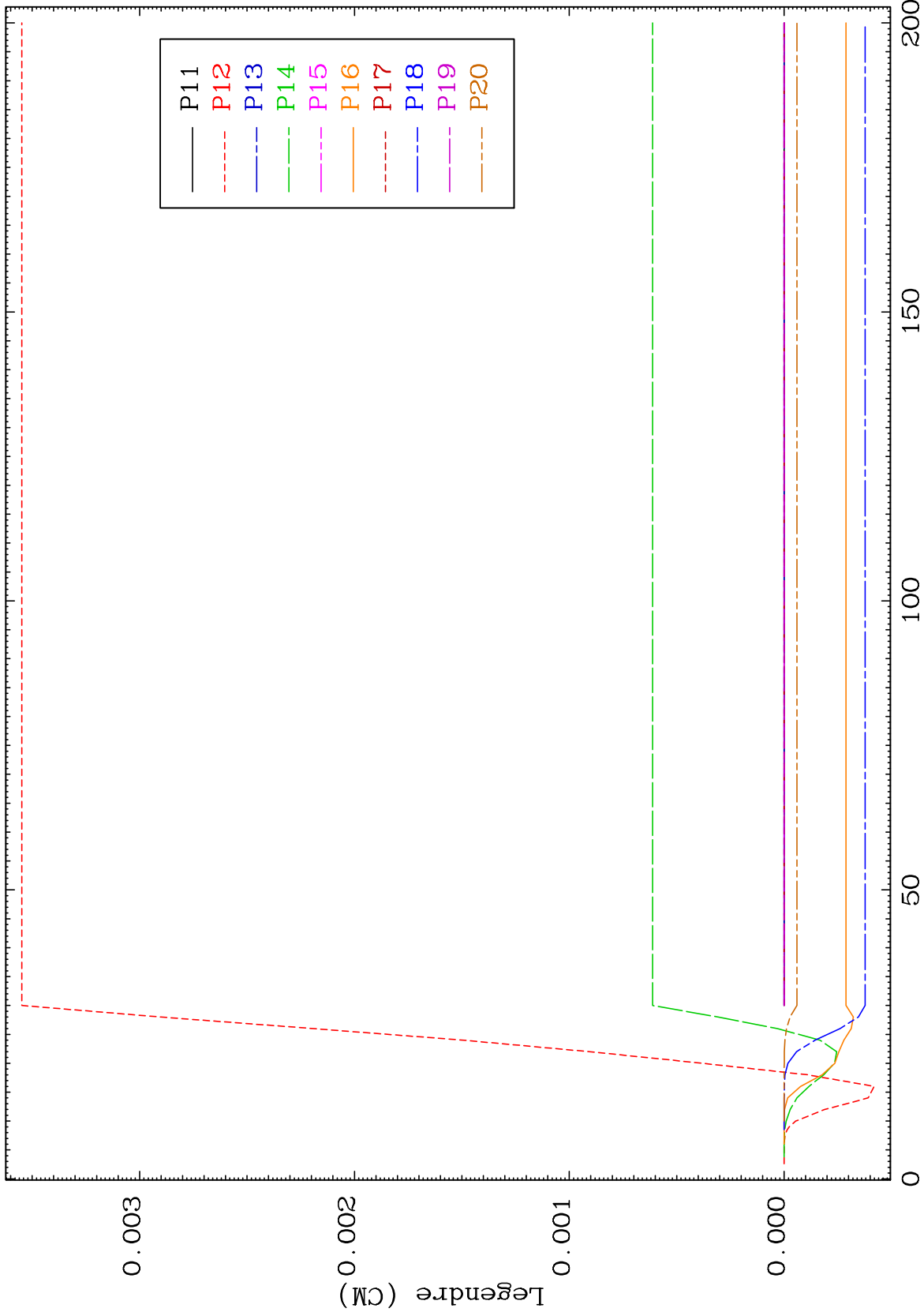
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

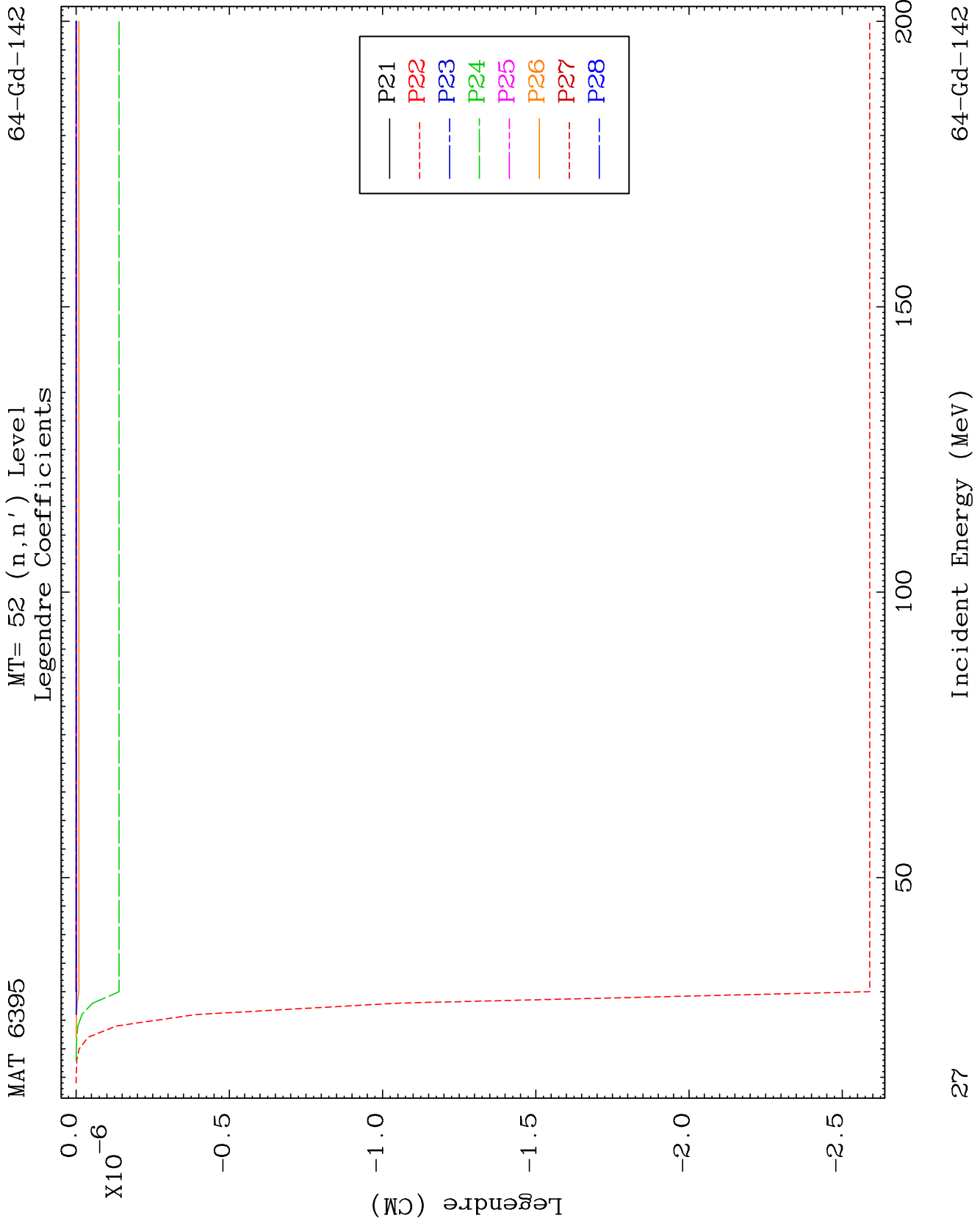
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26

Incident Energy (MeV)

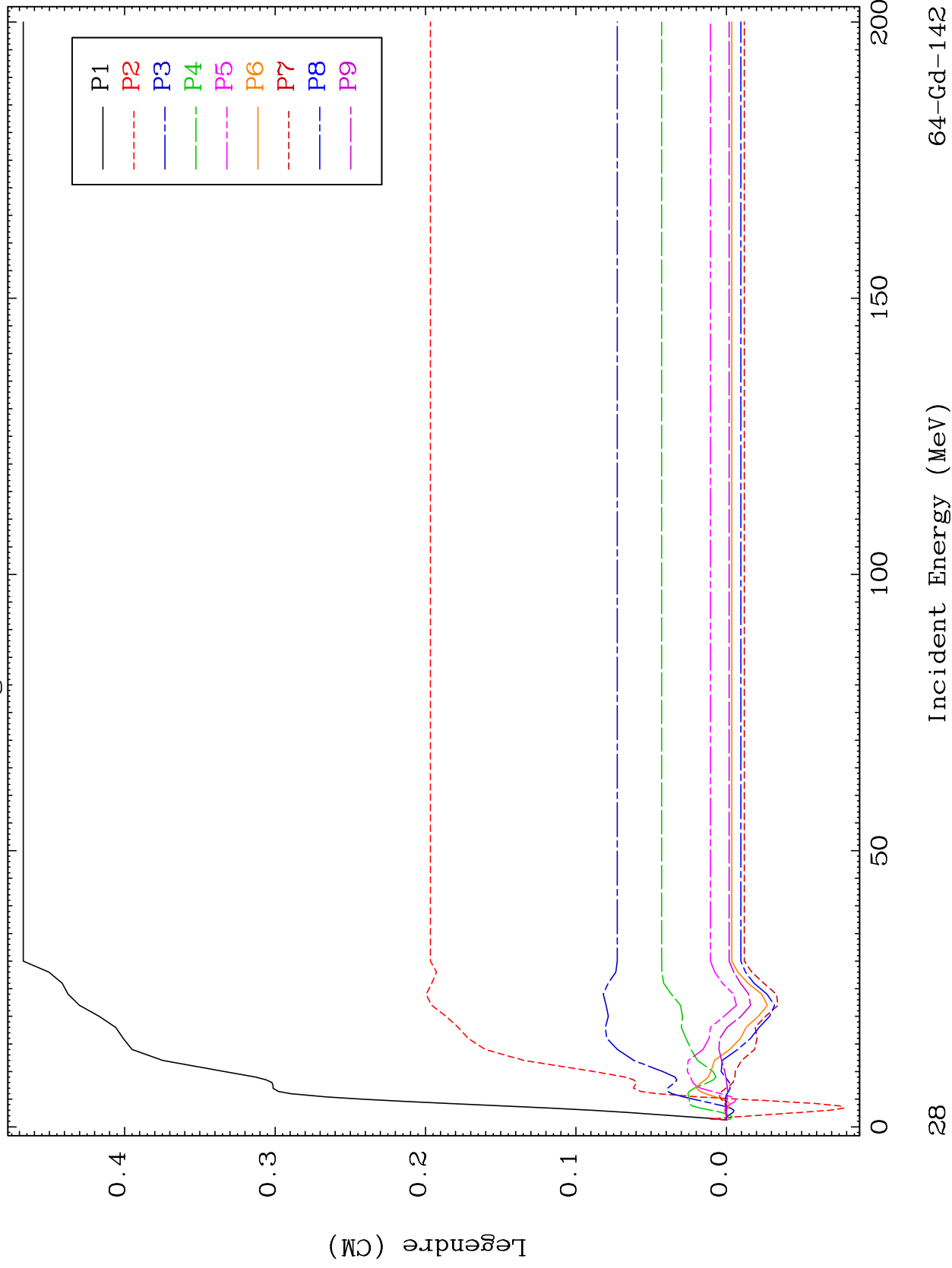
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MAT 6395

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

64-Gd-142



64-Gd-142

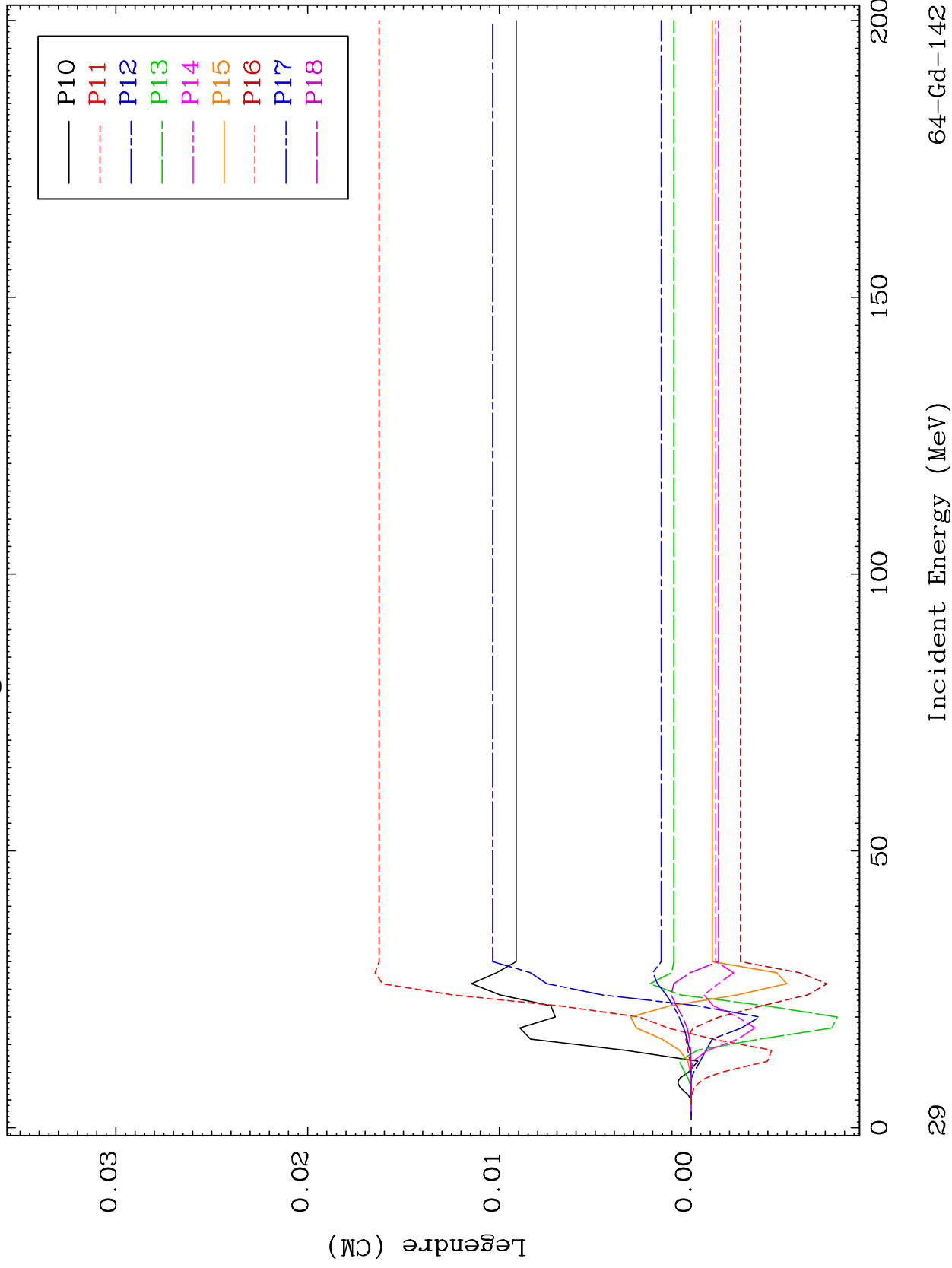
Incident Energy (MeV)

28

MAT 6395

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

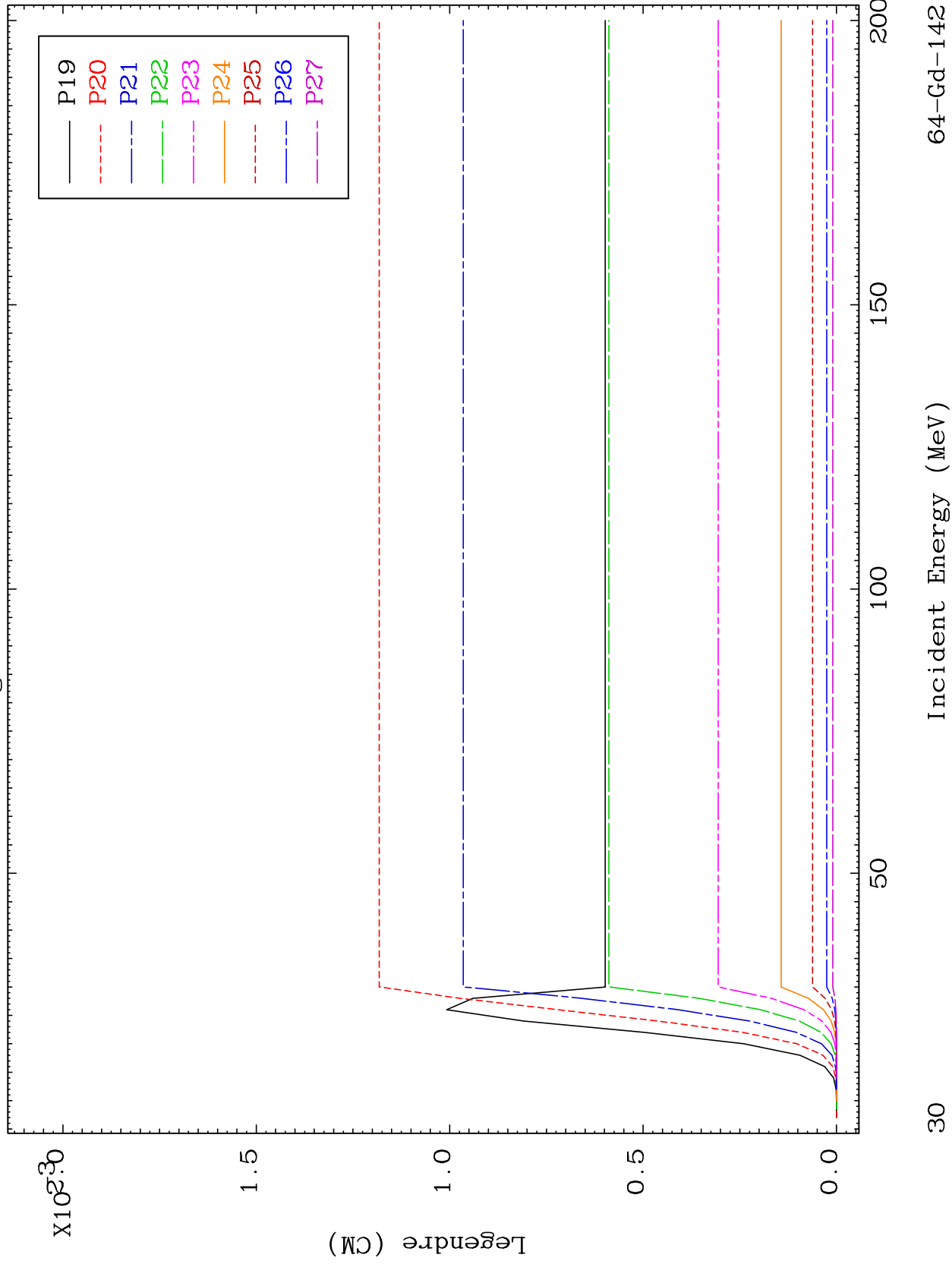
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MAT 6395

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

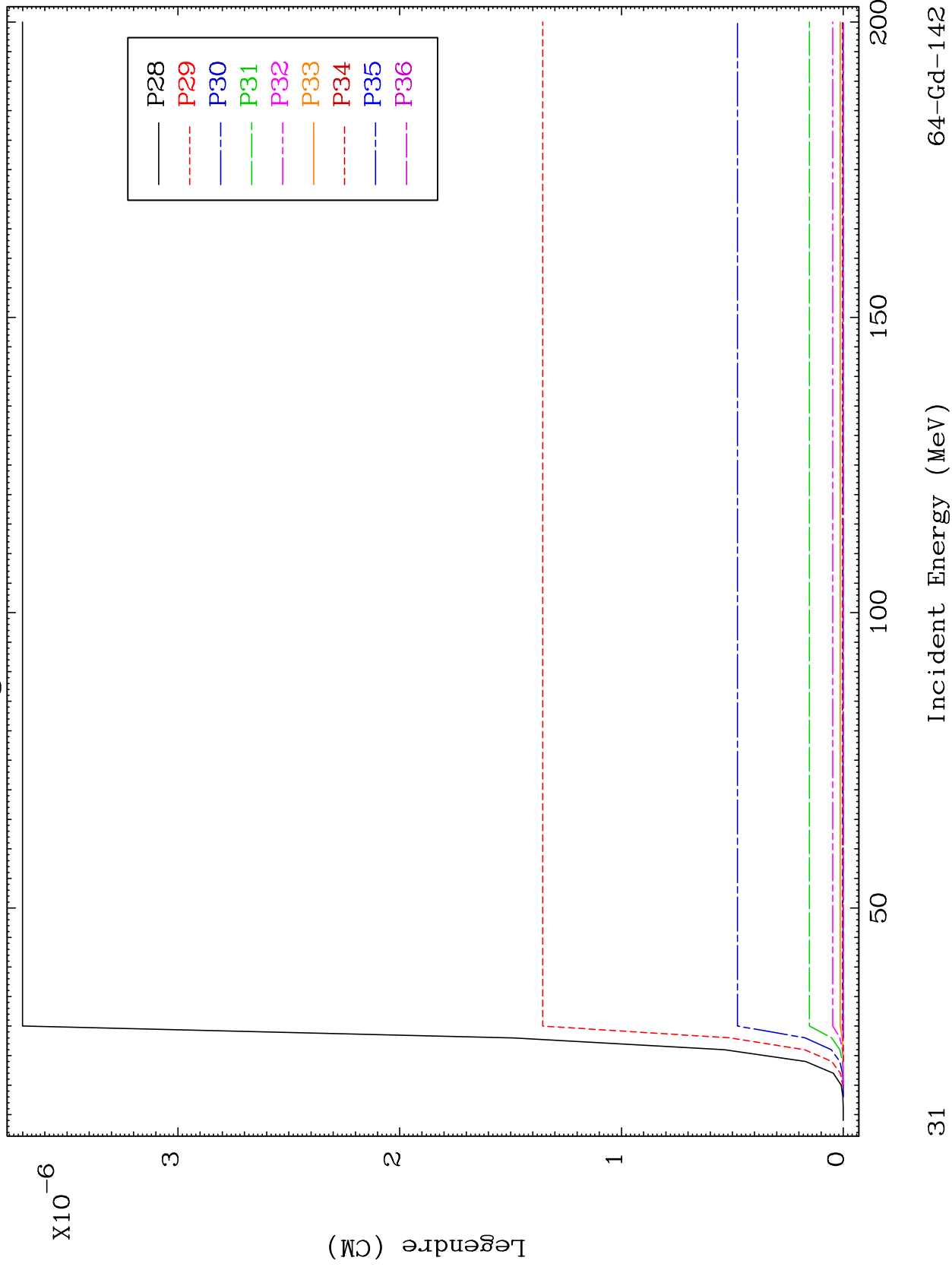
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MAT 6395

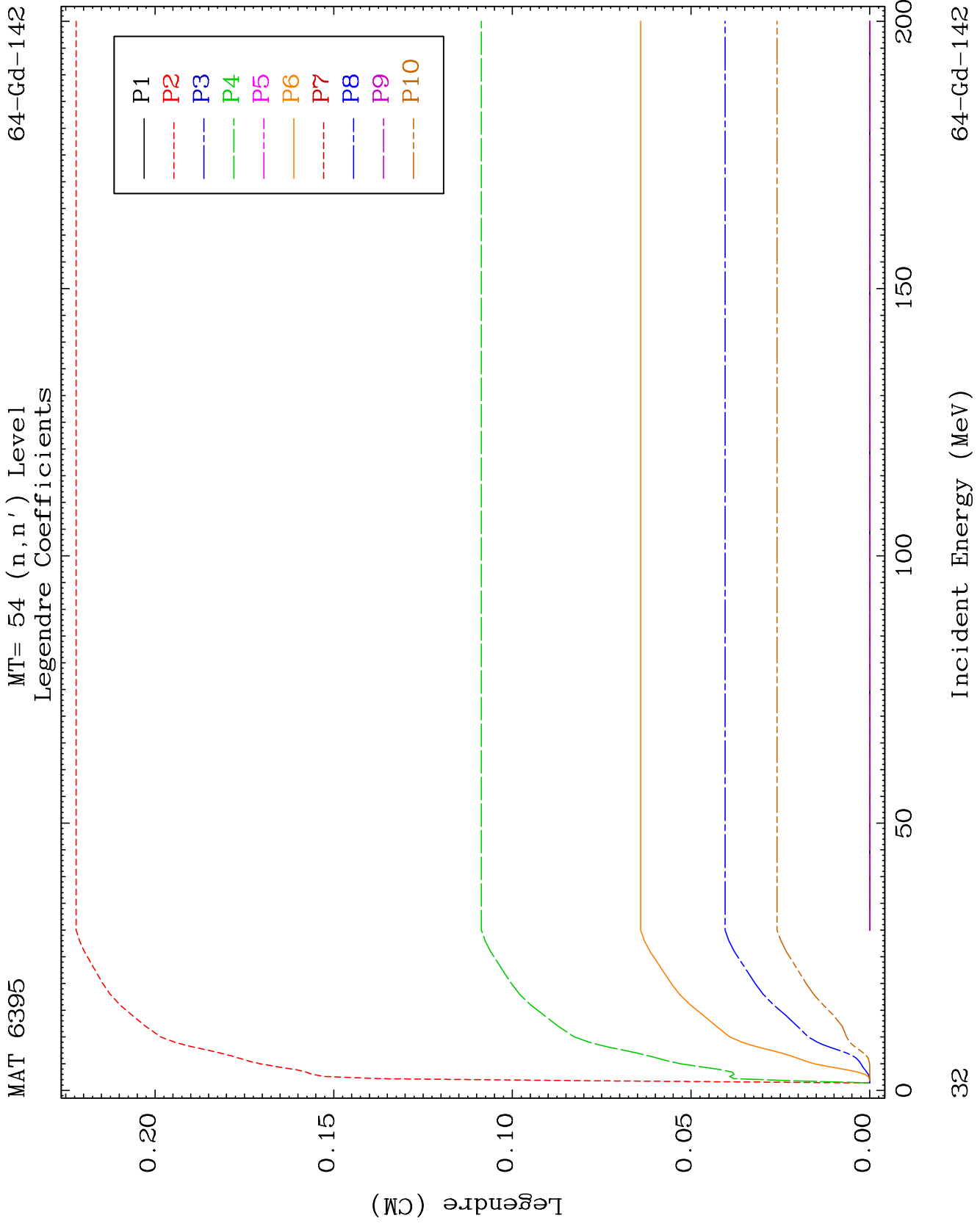
MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-142



31

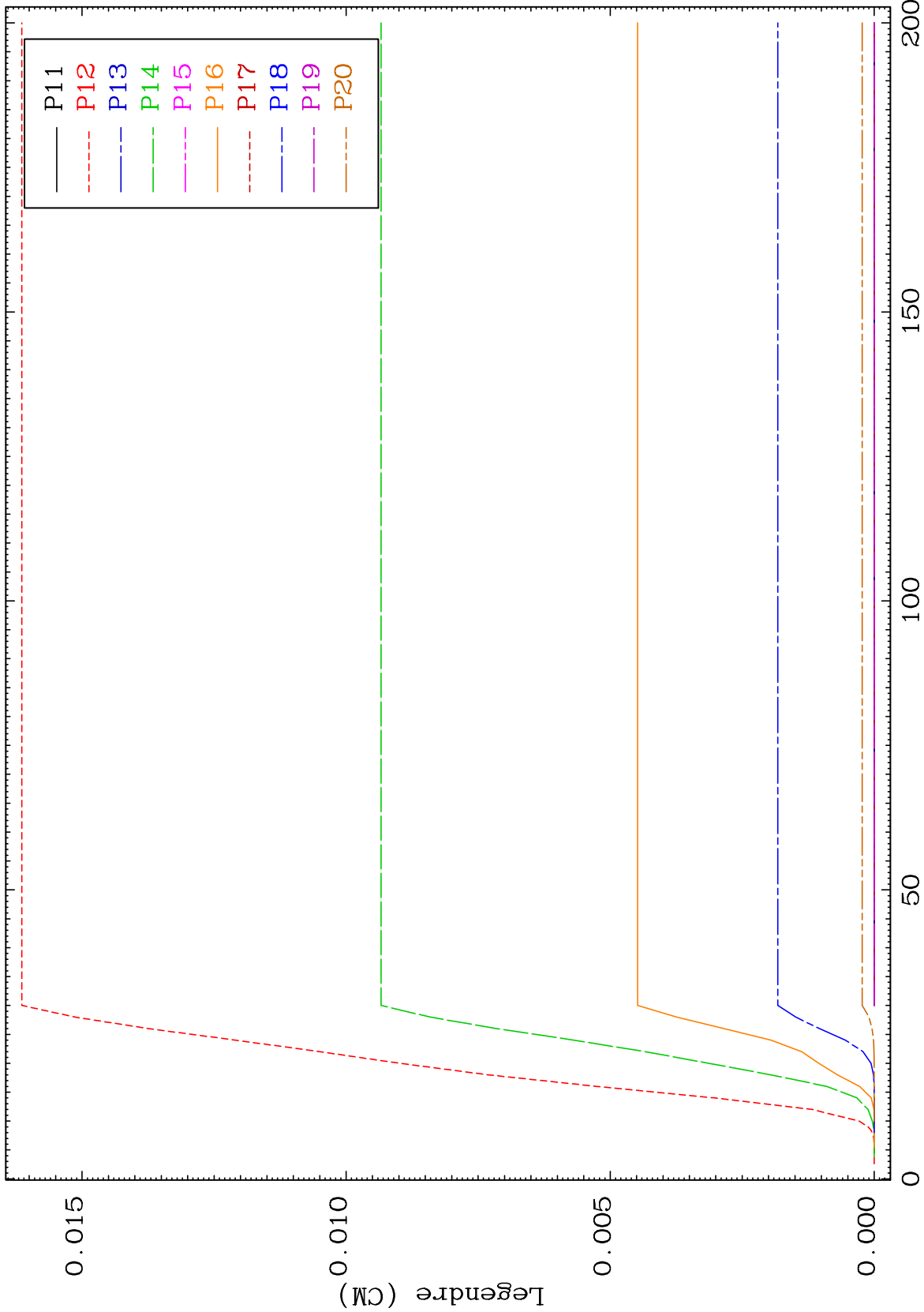
64-Gd-142



MAT 6395

MT= 54 (n,n') Level
Legendre Coefficients

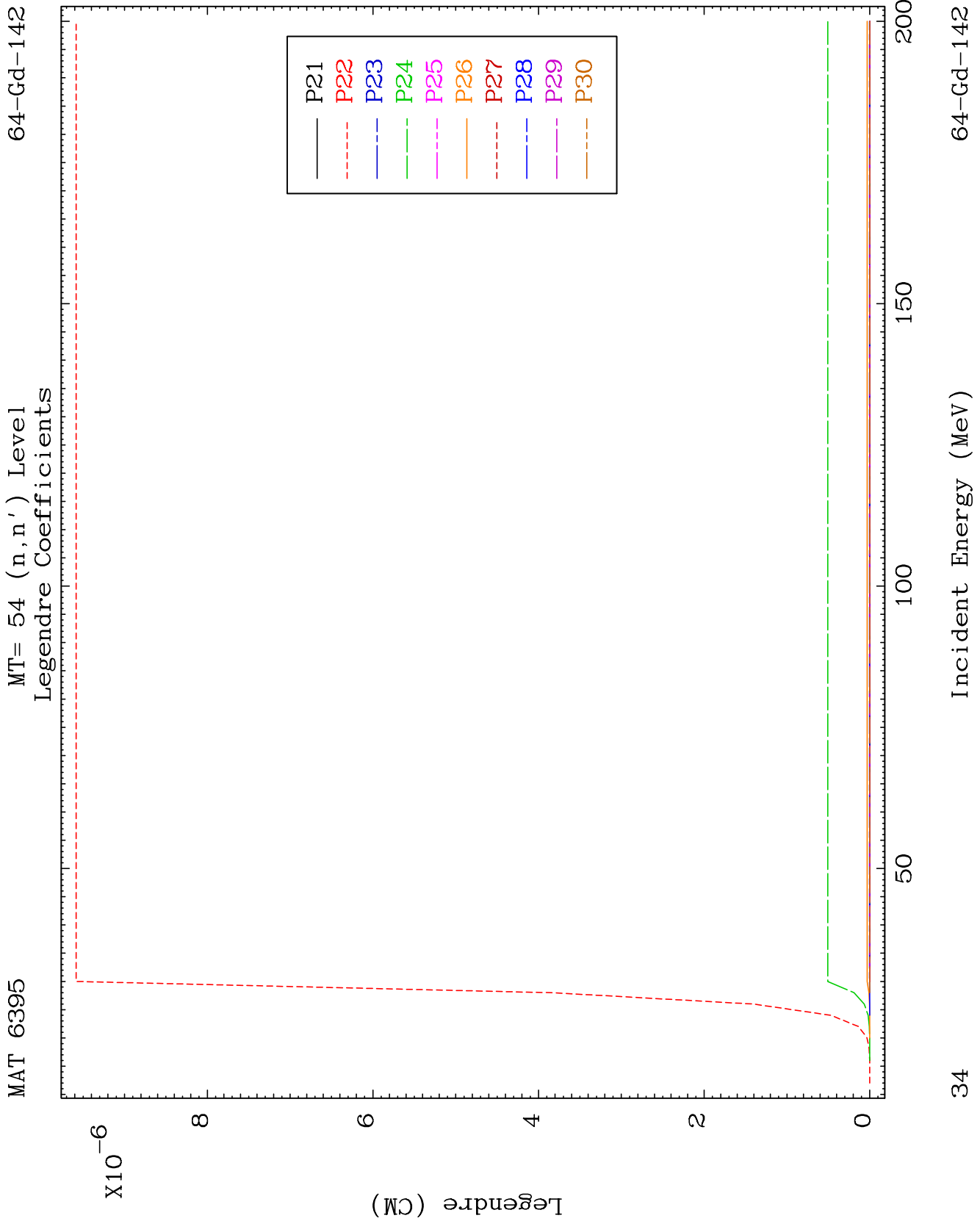
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33

Incident Energy (MeV)

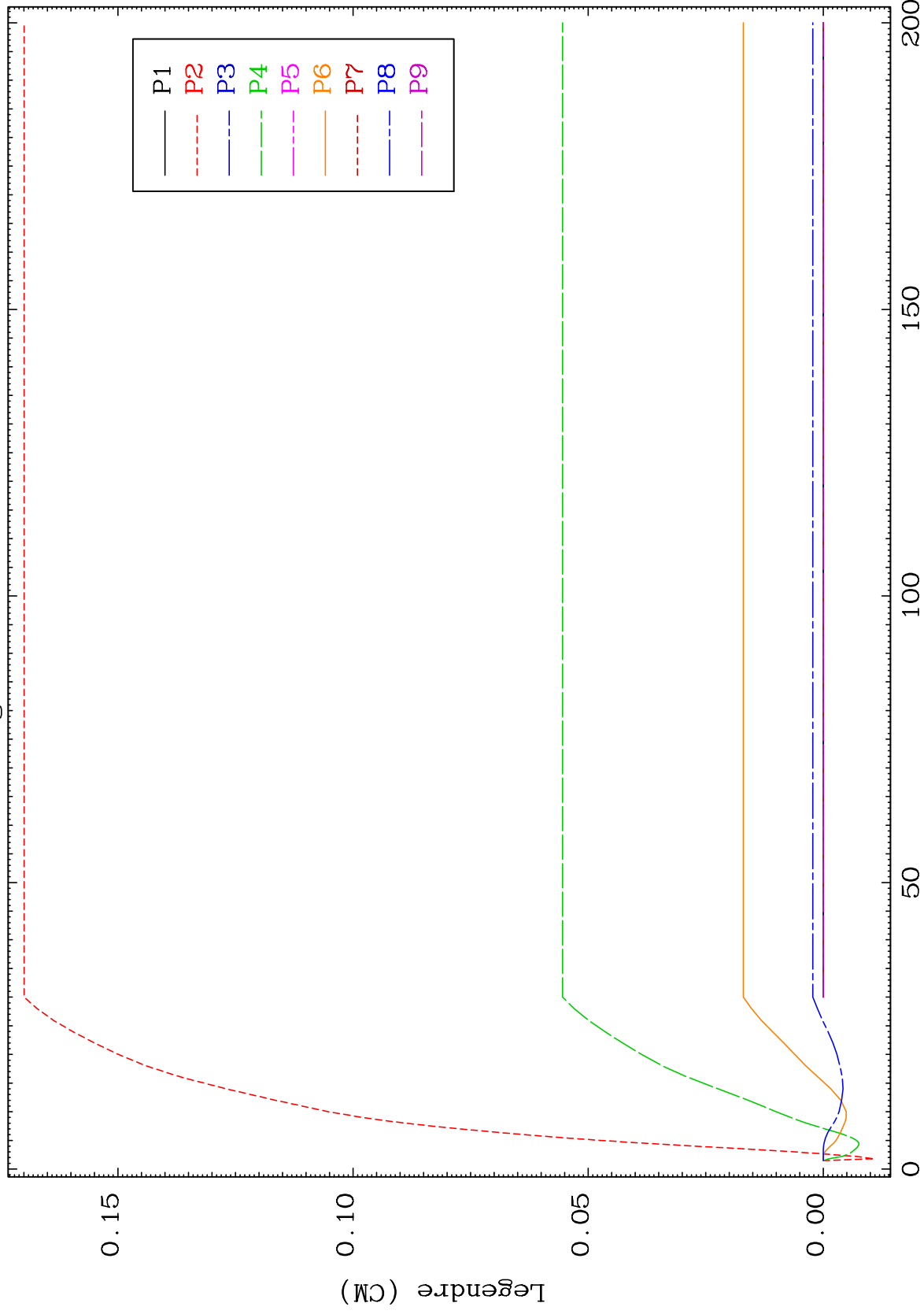
64-Gd-142



MAT 6395

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

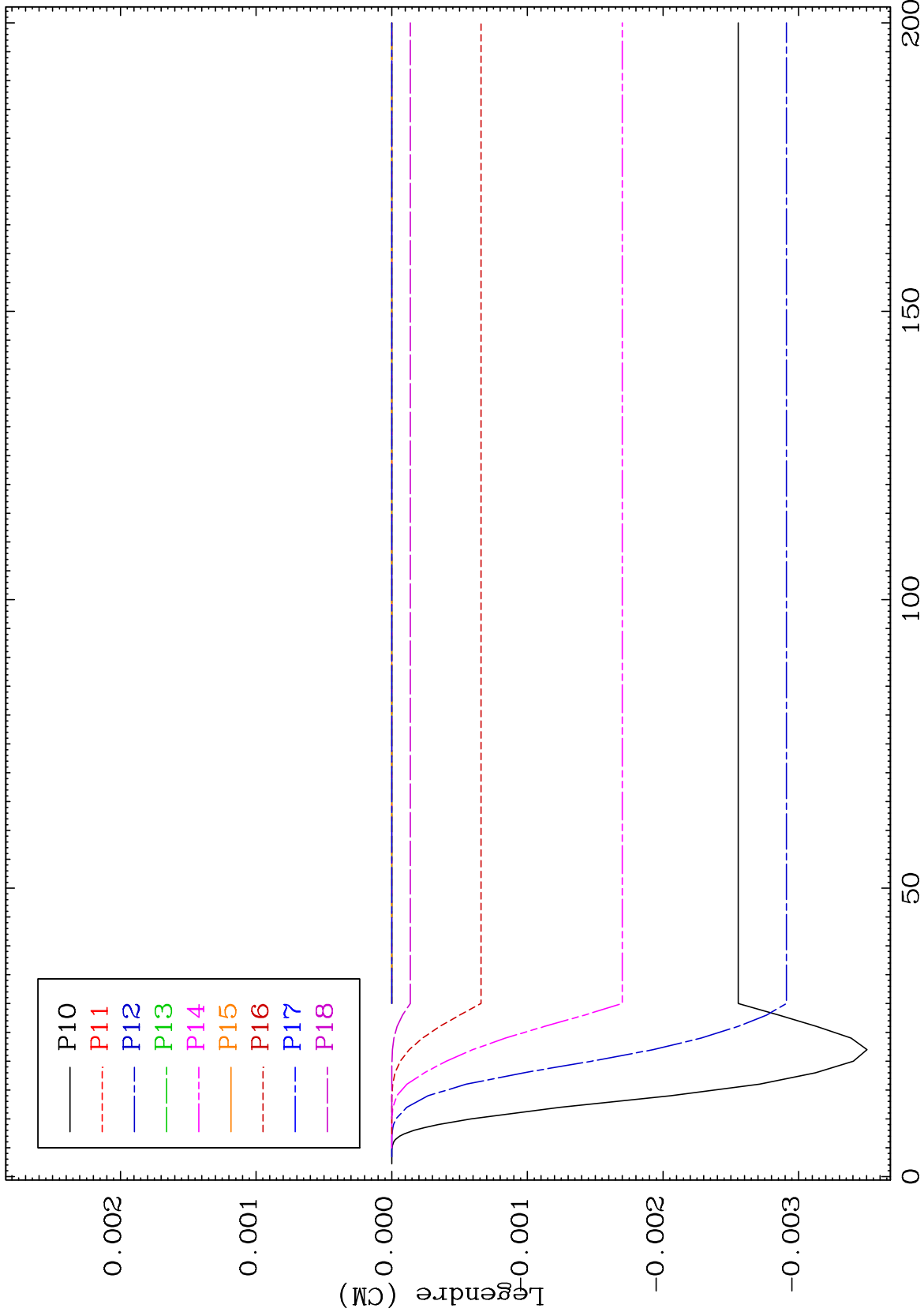
Incident Energy (MeV)

35

MAT 6395

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-142



36

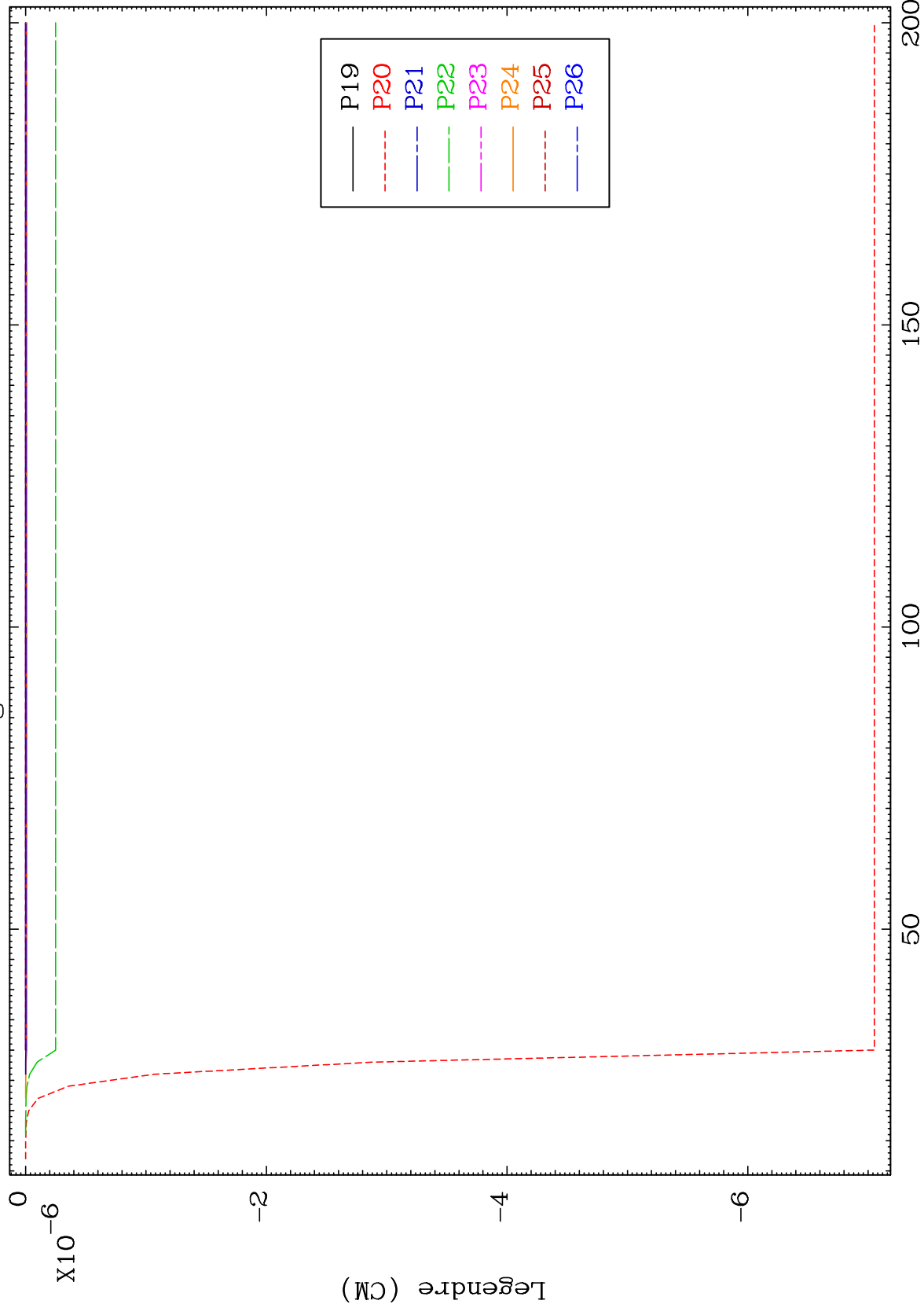
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 55 (n,n') Level
Legendre Coefficients

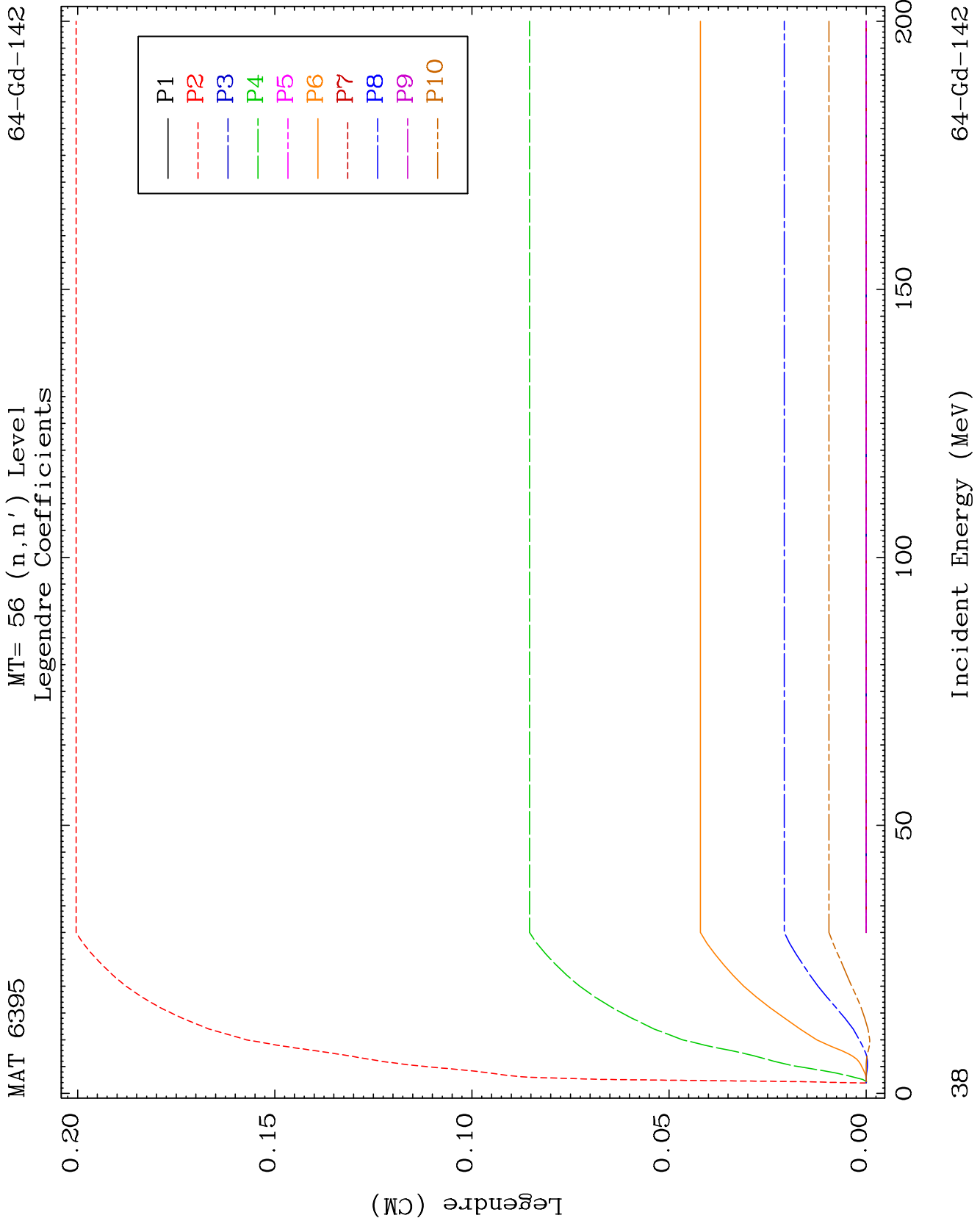
64-Gd-142



37

Incident Energy (MeV)

64-Gd-142



64-Gd-142

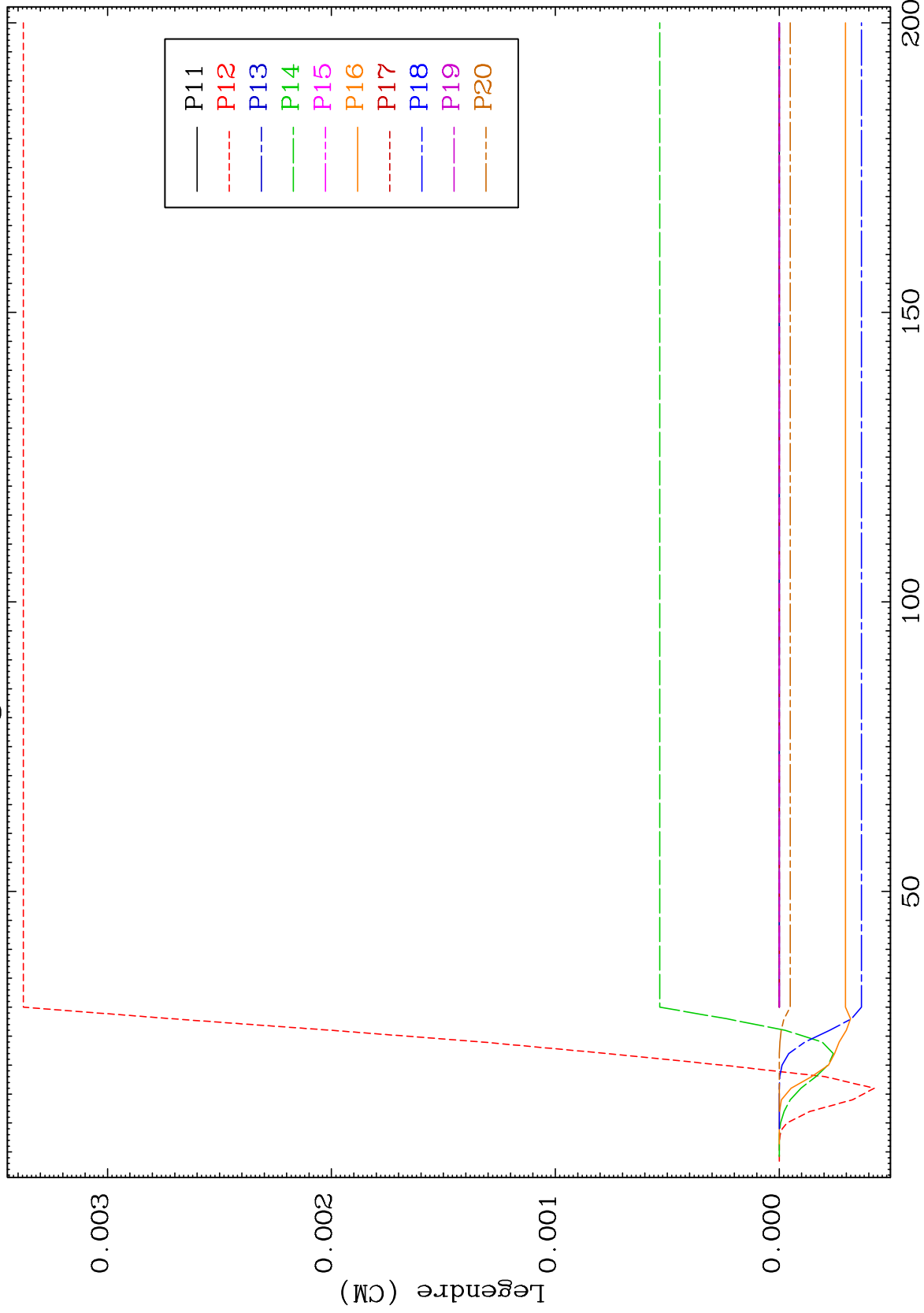
Incident Energy (MeV)

38

MAT 6395

MT= 56 (n,n') Level
Legendre Coefficients

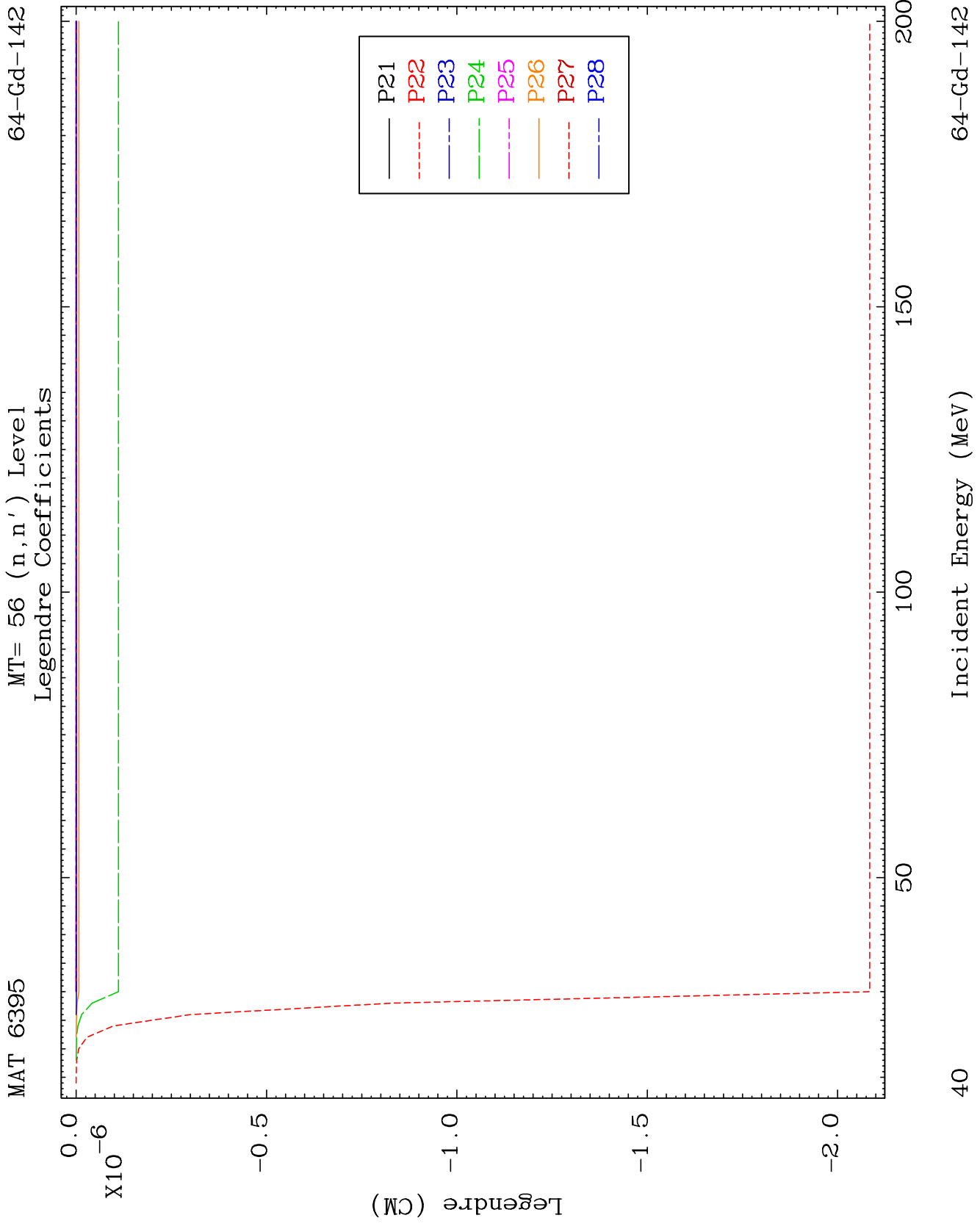
64-Gd-142



39

Incident Energy (MeV)

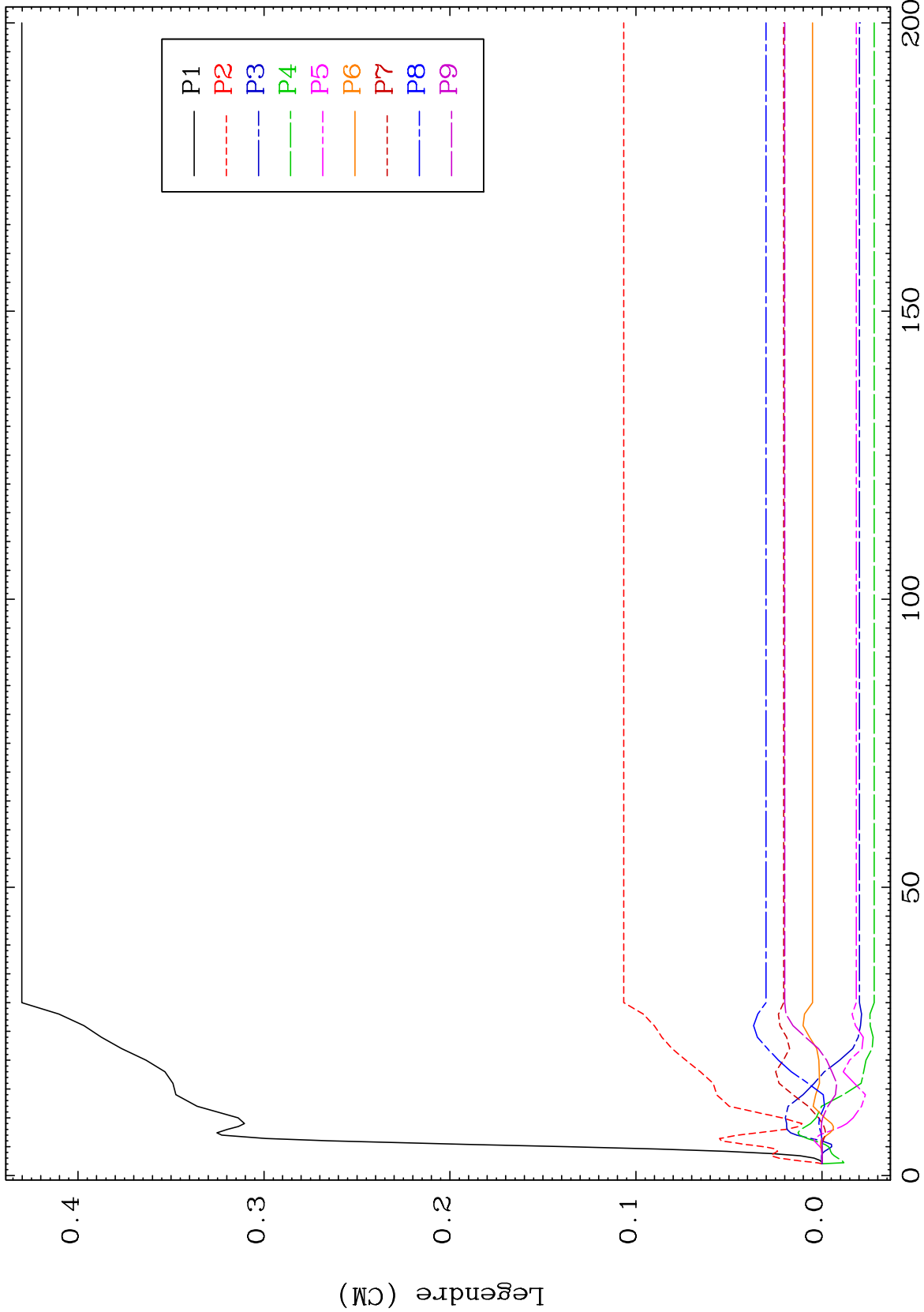
64-Gd-142



MAT 6395

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-142



41

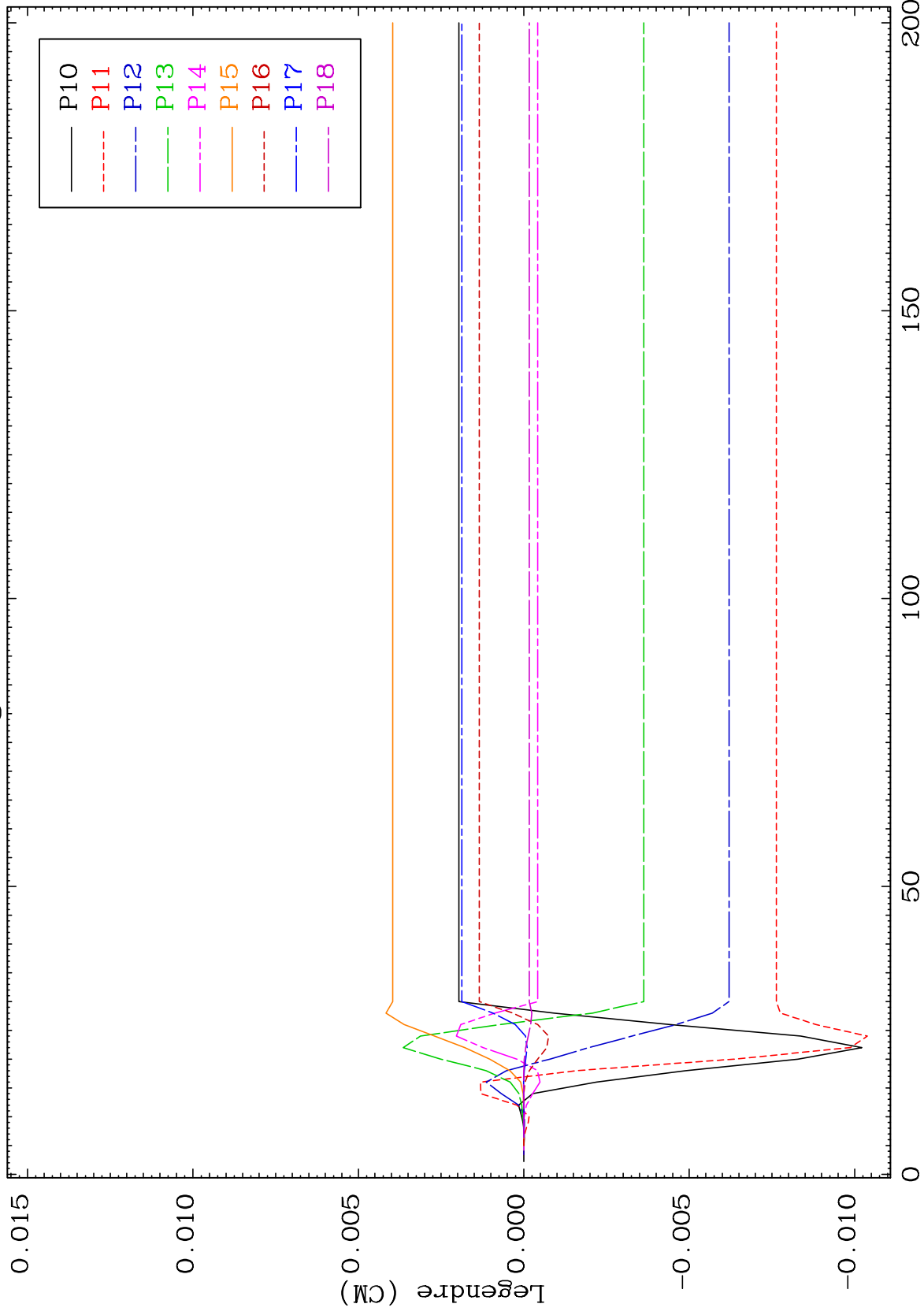
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-142



42

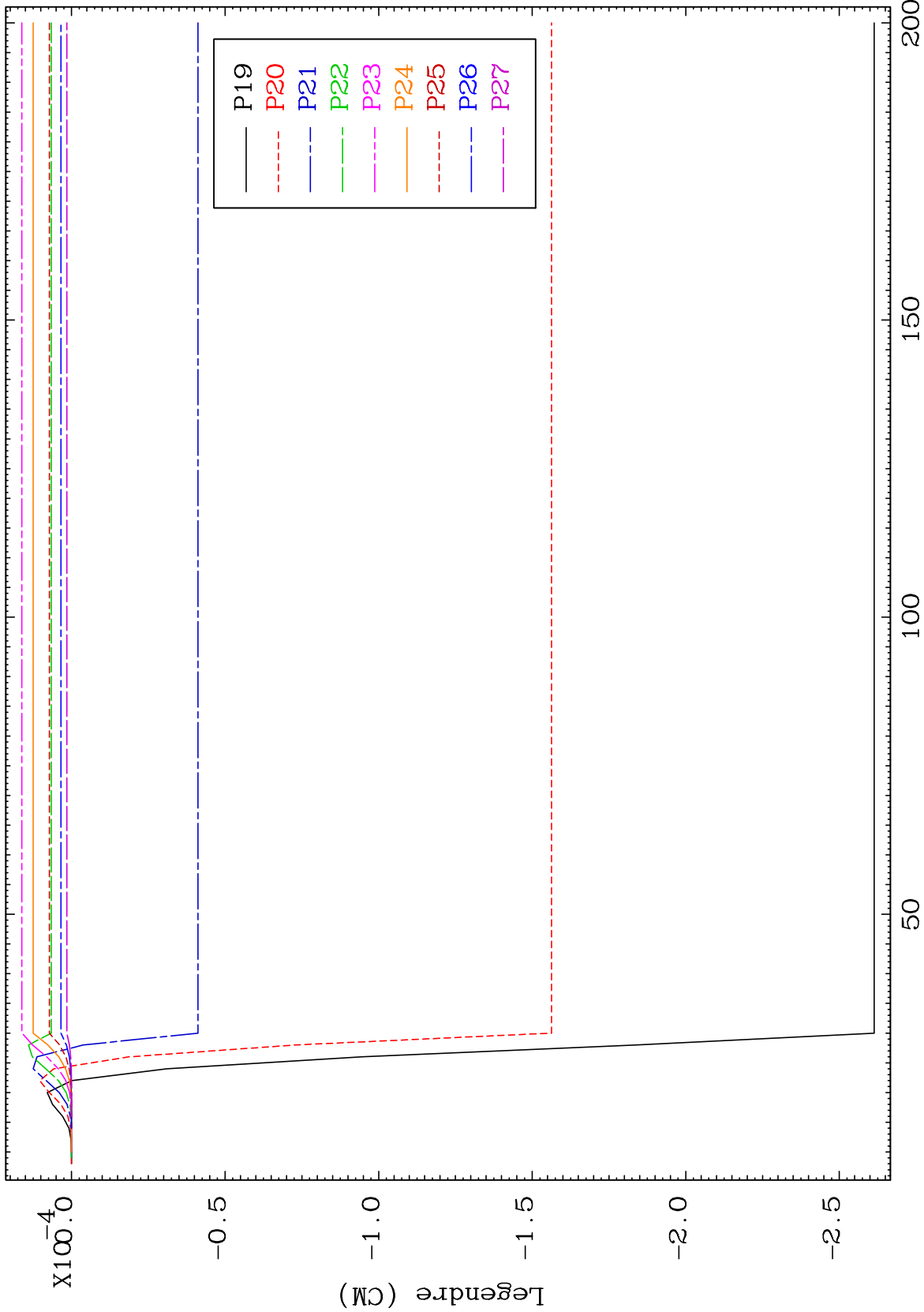
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 57 (n,n') Level
Legendre Coefficients

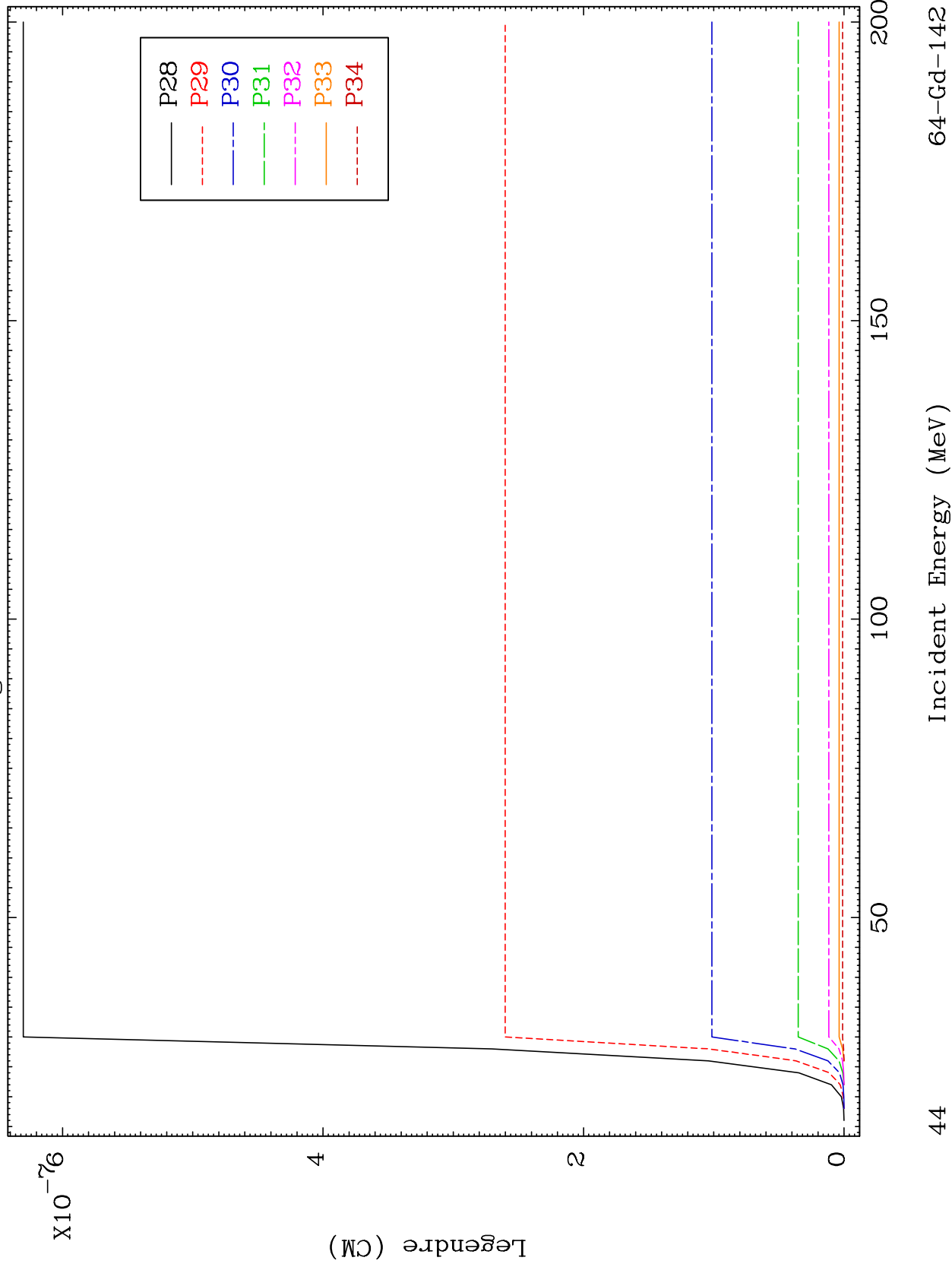
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MAT 6395

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-142



44

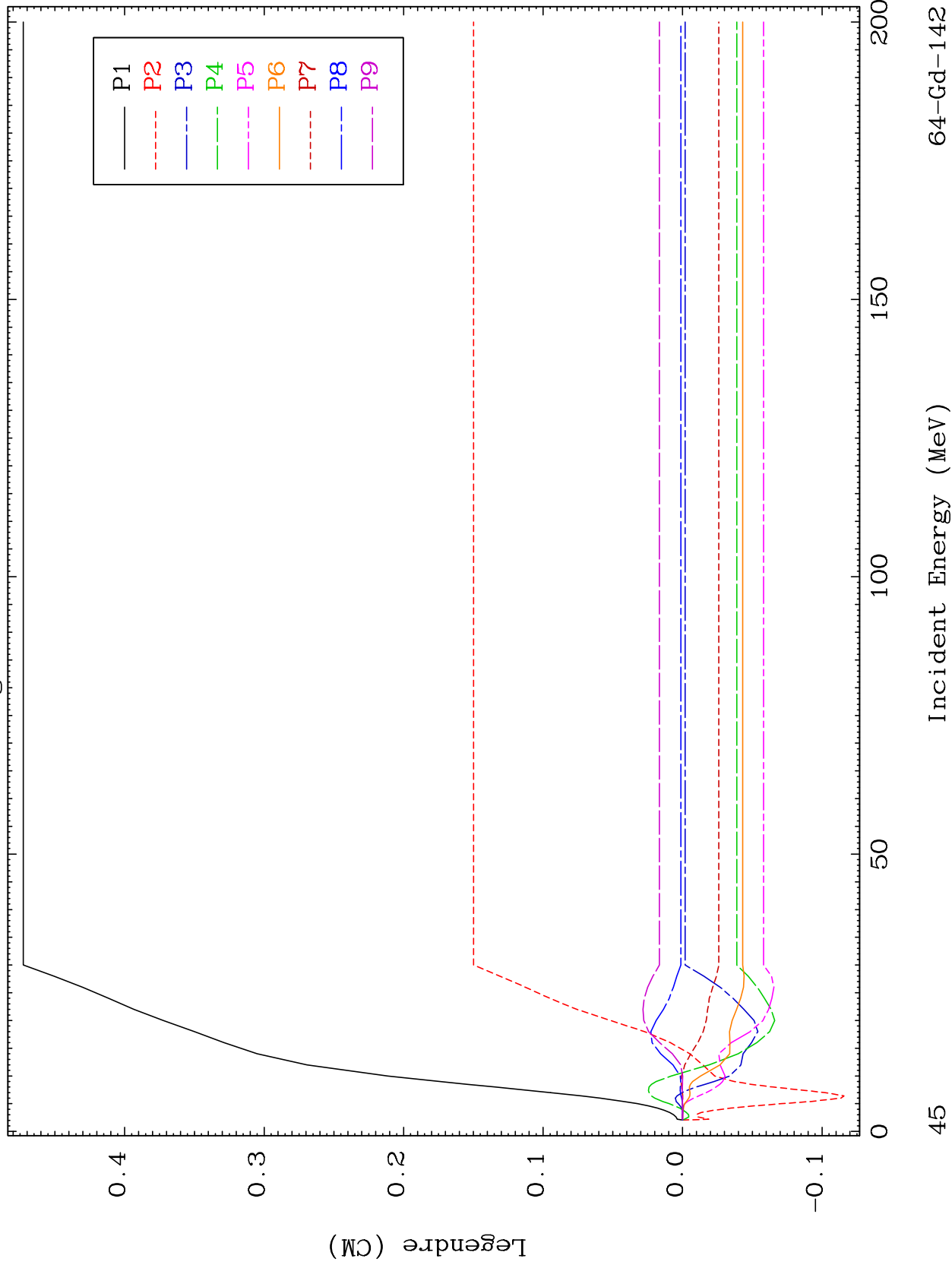
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

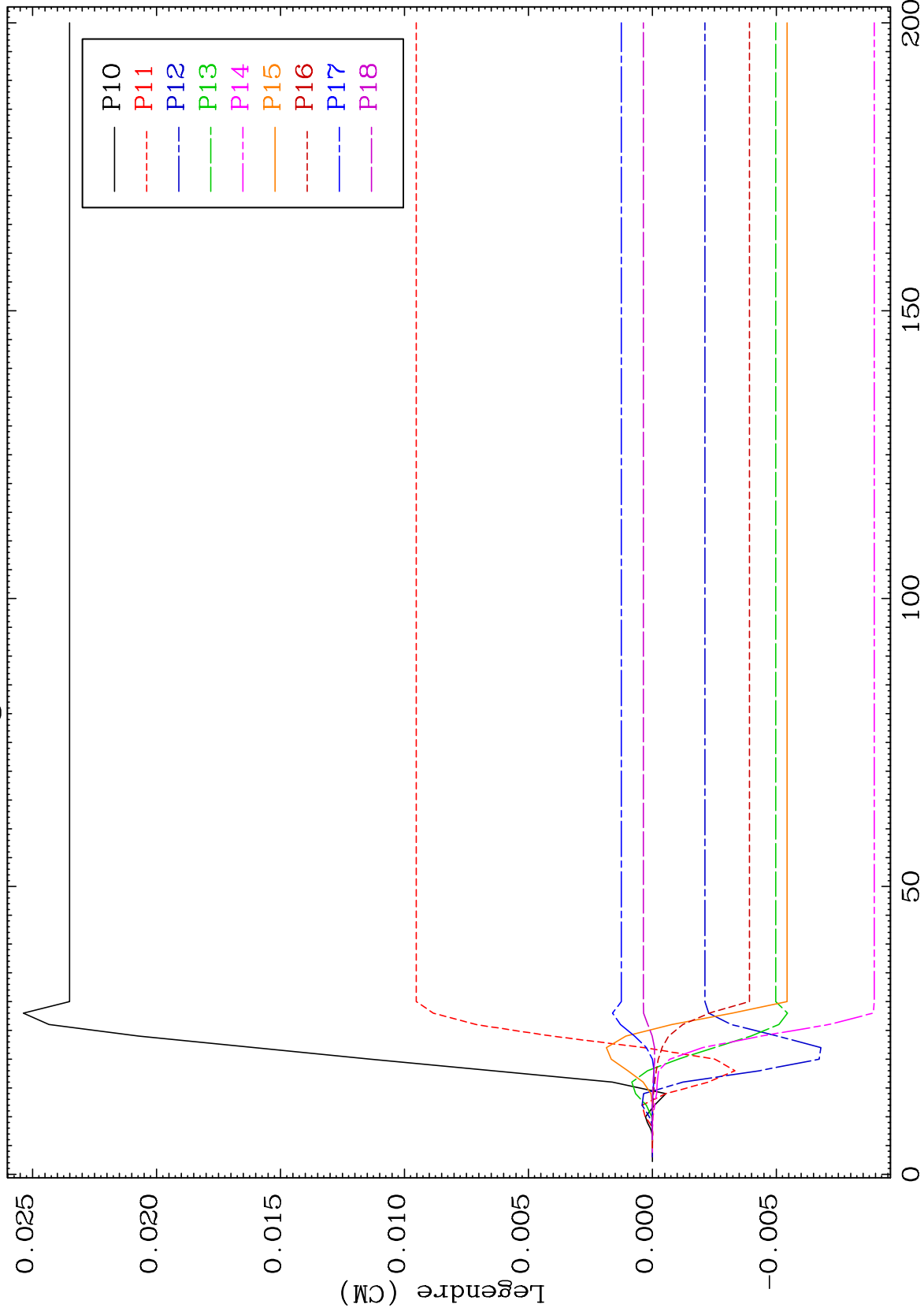
Incident Energy (MeV)

45

MAT 6395

MT= 58 (n,n') Level
Legendre Coefficients

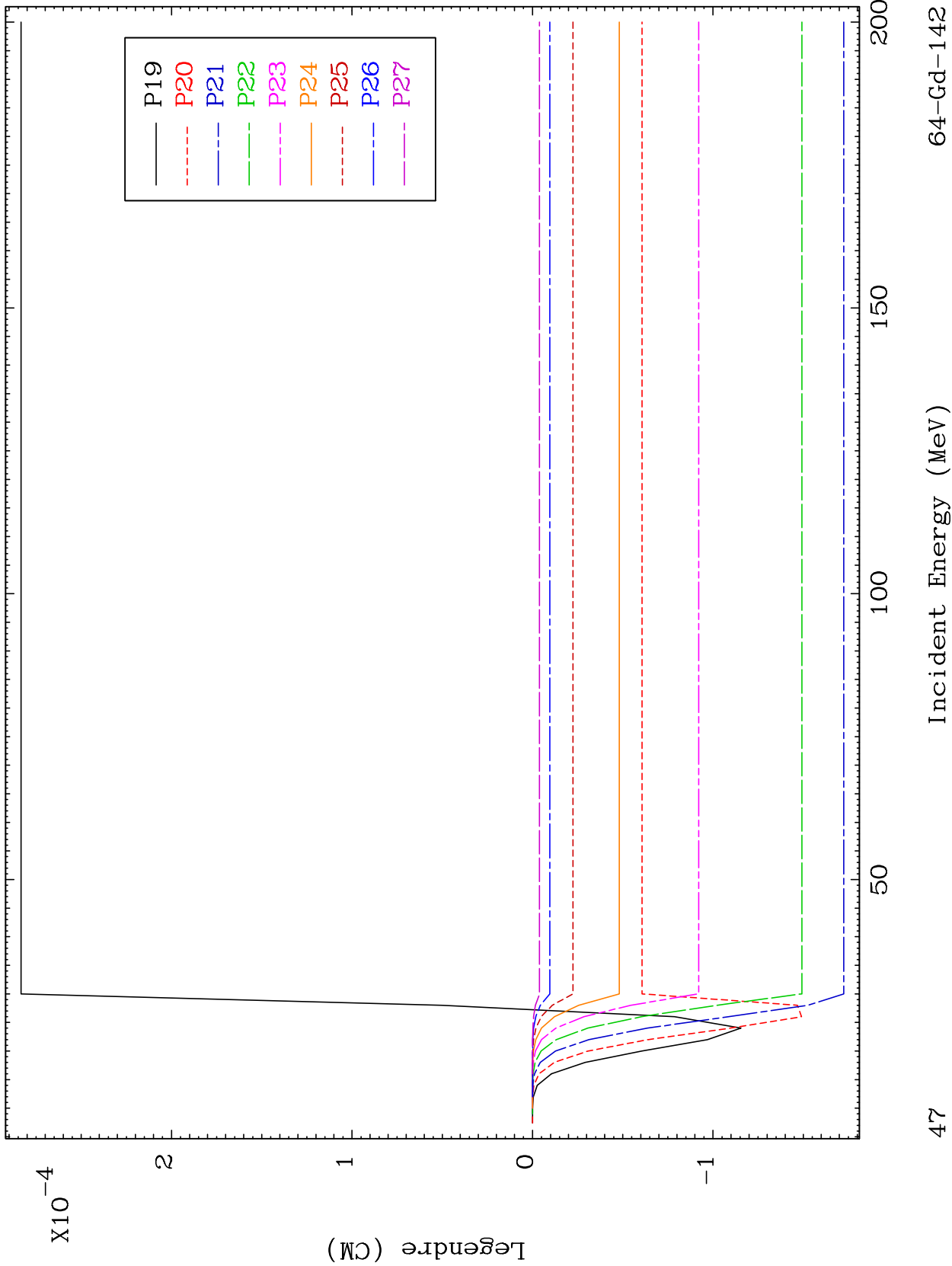
64-Gd-142



46

Incident Energy (MeV)

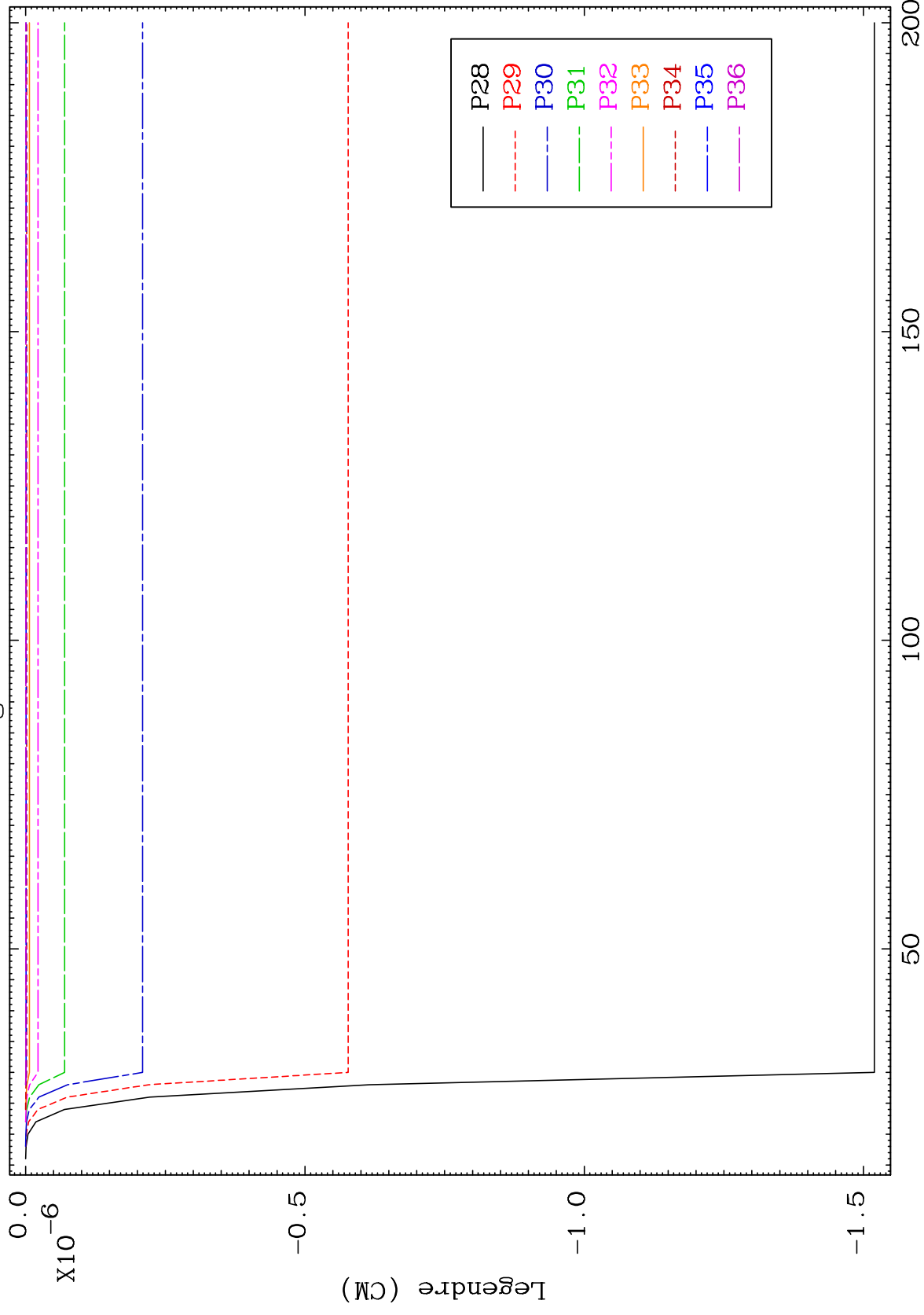
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MAT 6395

MT= 58 (n,n') Level
Legendre Coefficients

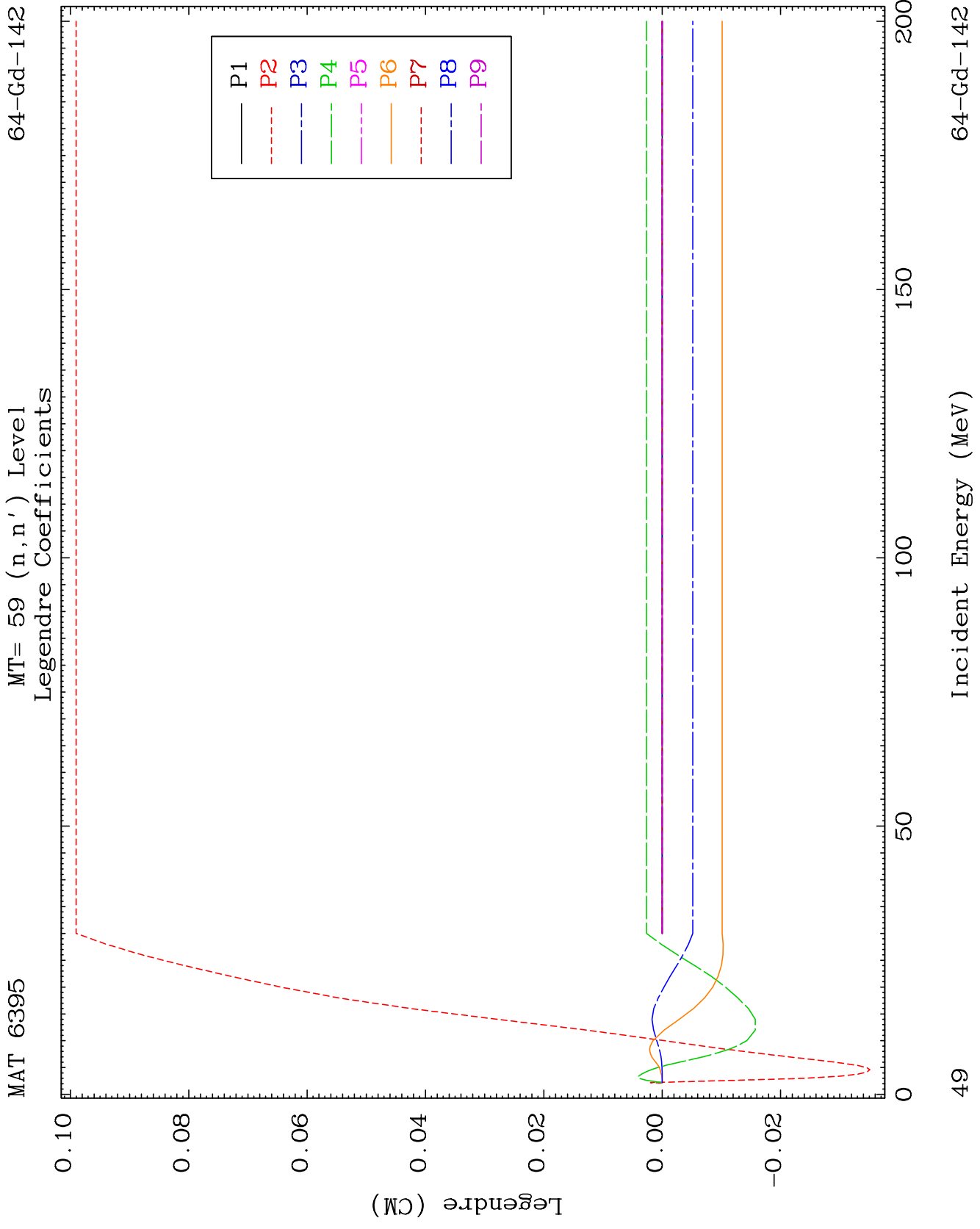
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48

Incident Energy (MeV)

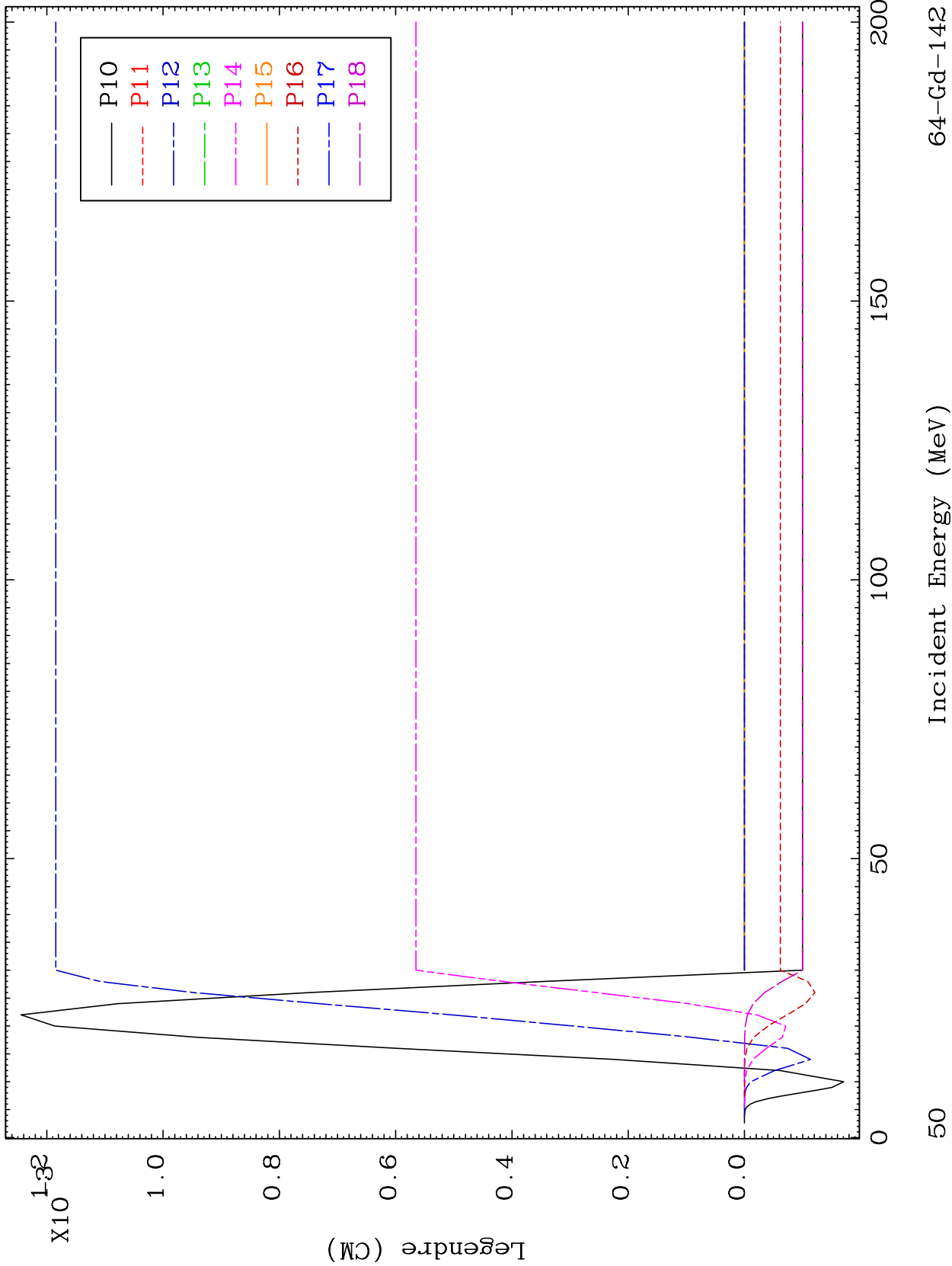
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MAT 6395

MT= 59 (n,n') Level
Legendre Coefficients

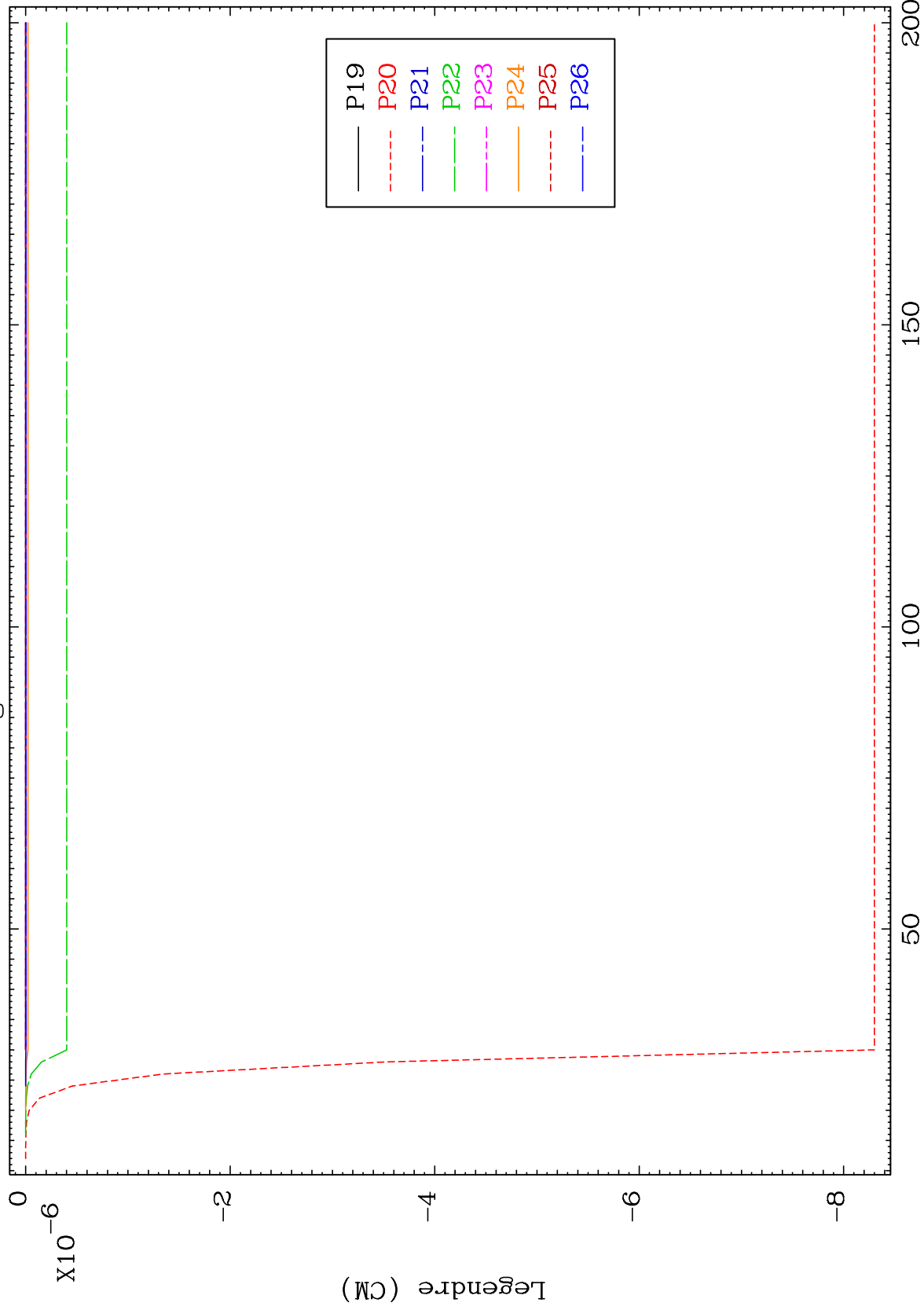
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MAT 6395

MT= 59 (n,n') Level
Legendre Coefficients

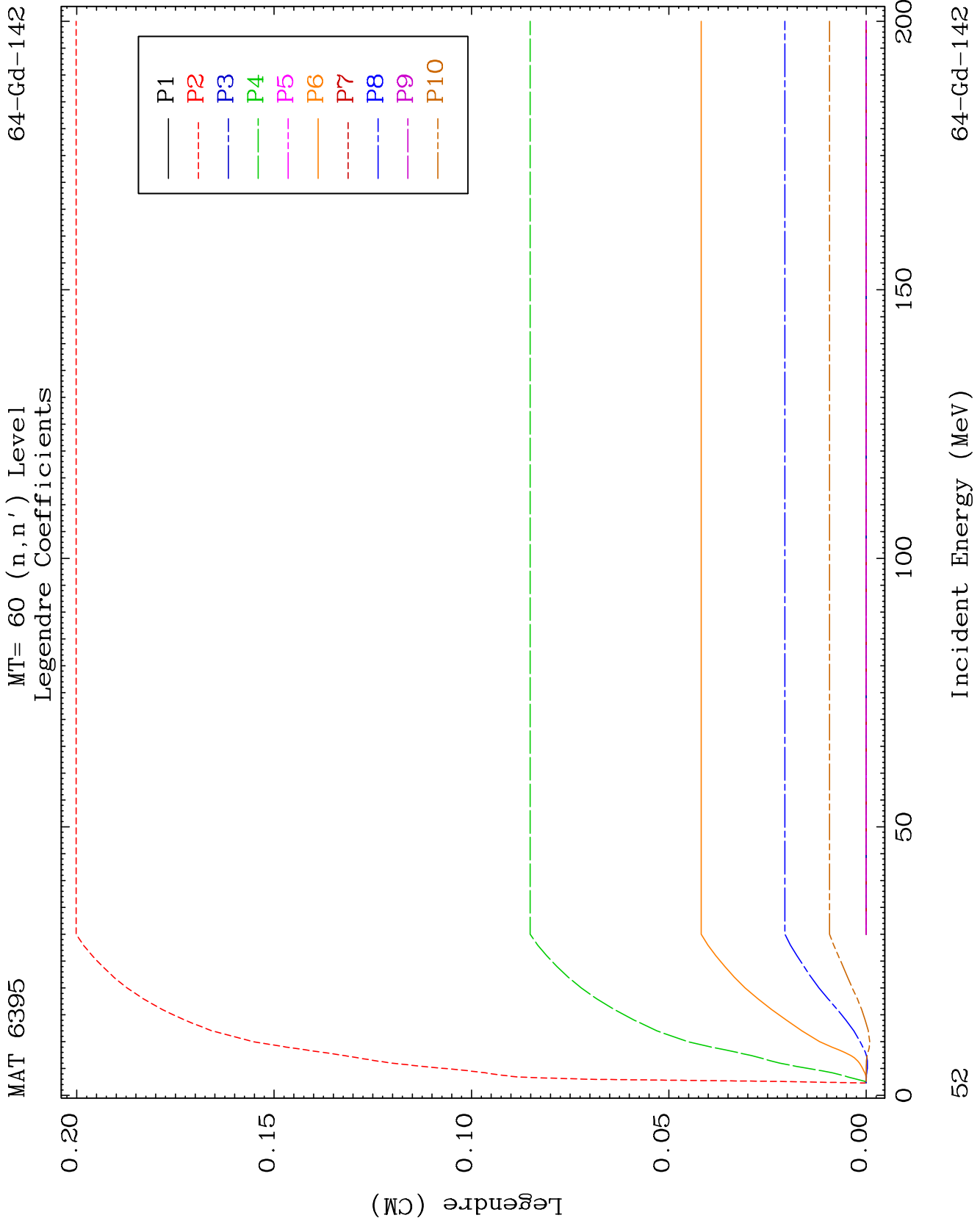
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51

Incident Energy (MeV)

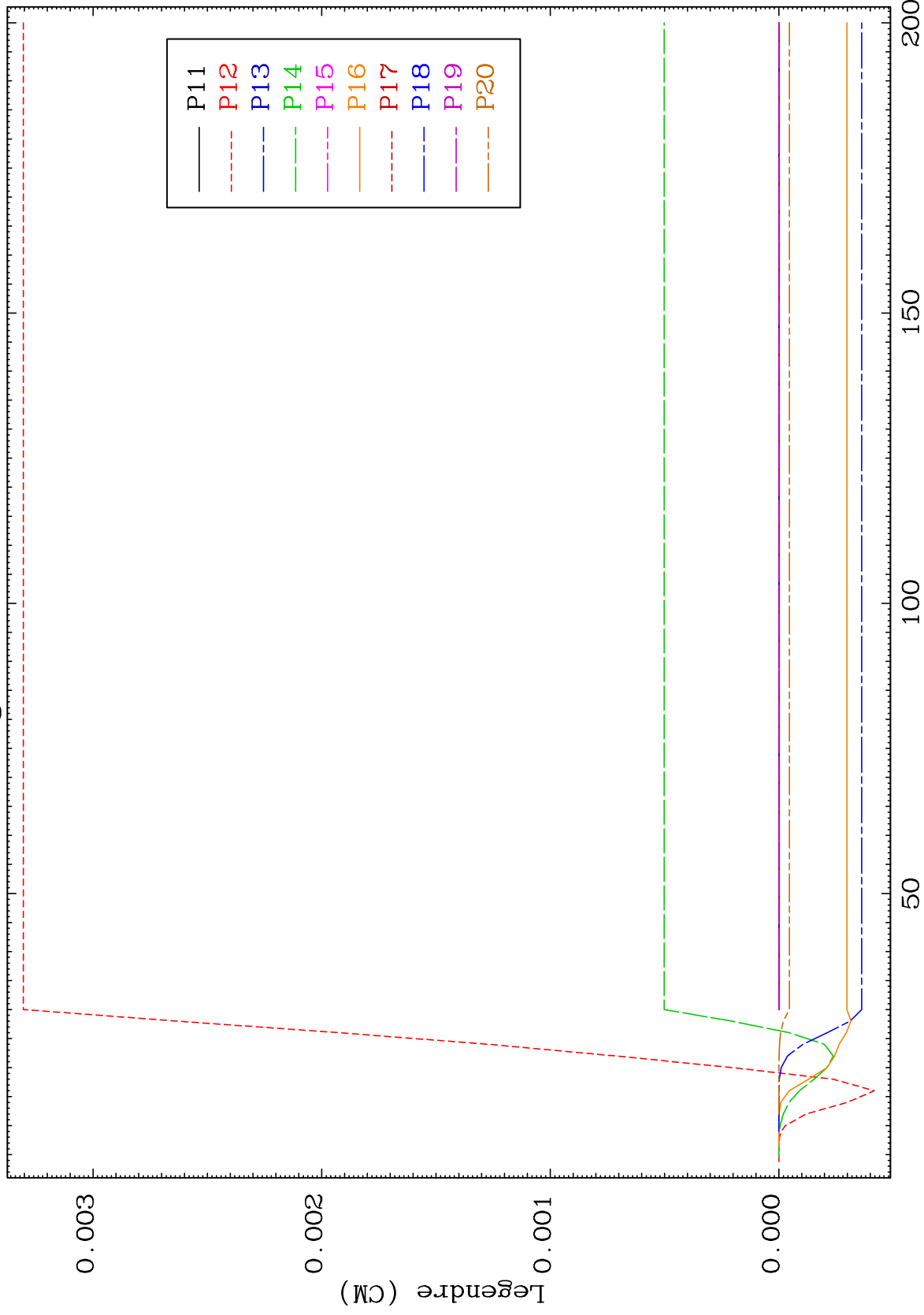
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MAT 6395

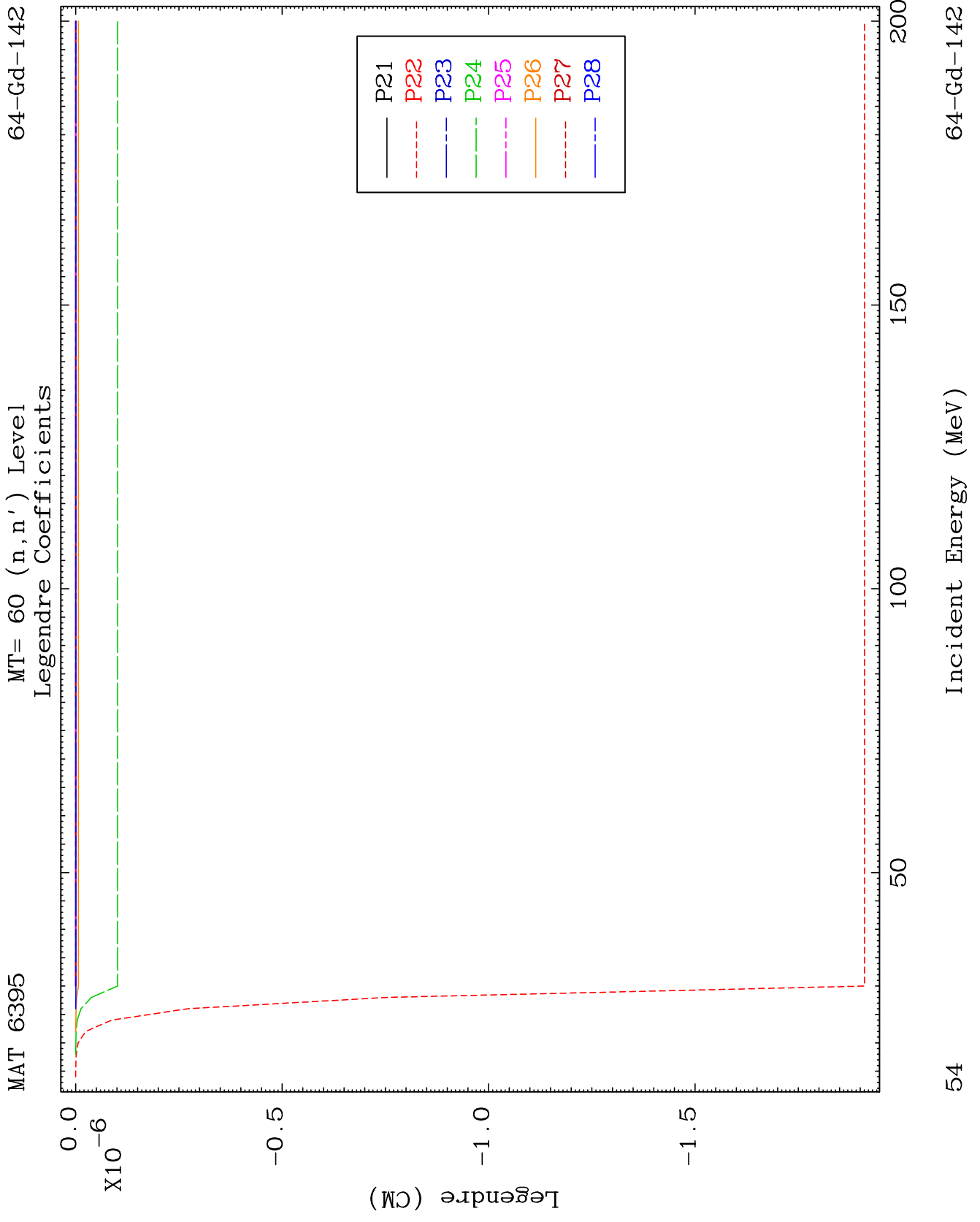
MT= 60 (n,n') Level
Legendre Coefficients

64-Gd-142



53

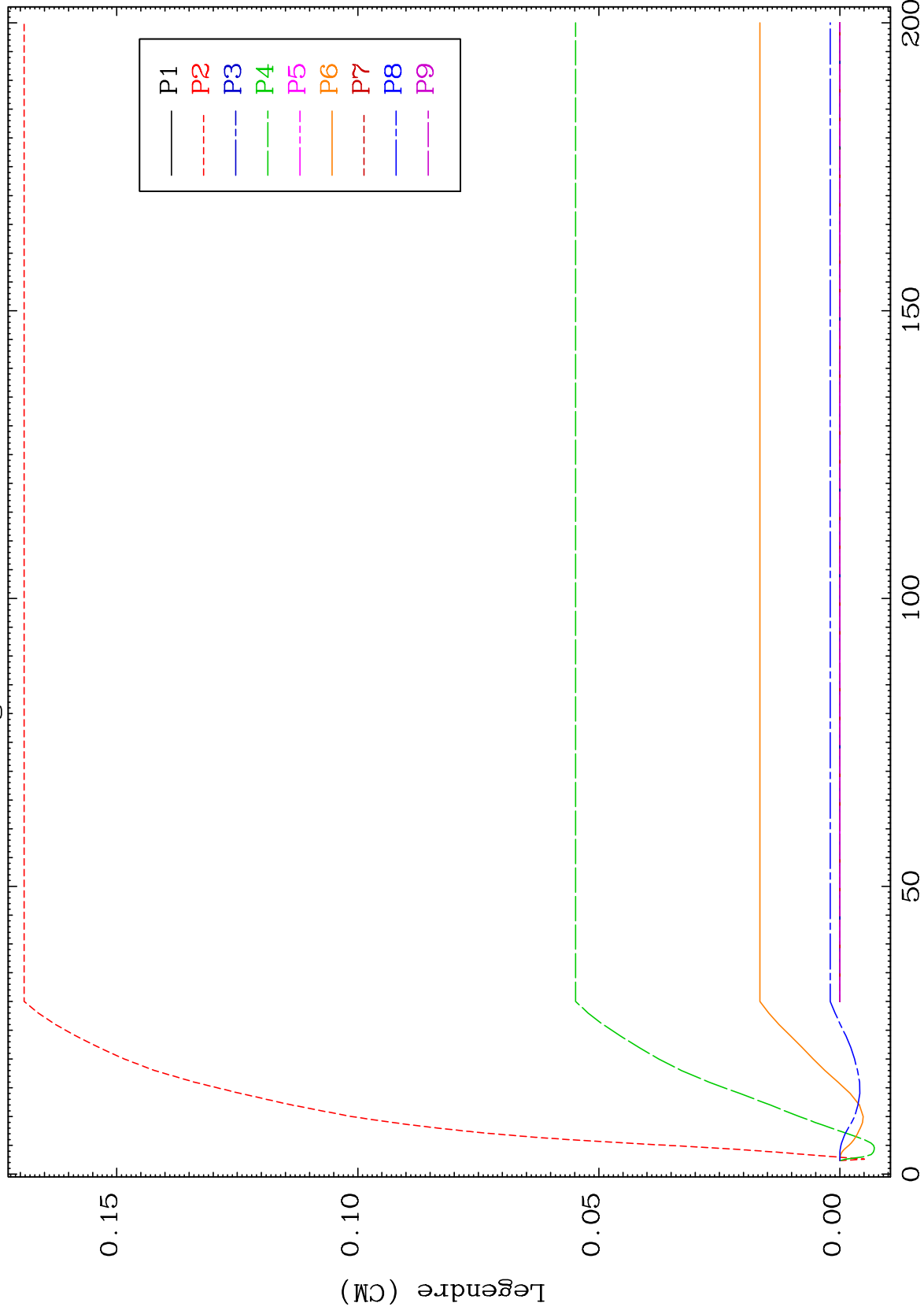
64-Gd-142



MAT 6395

MT= 61 (n,n') Level
Legendre Coefficients

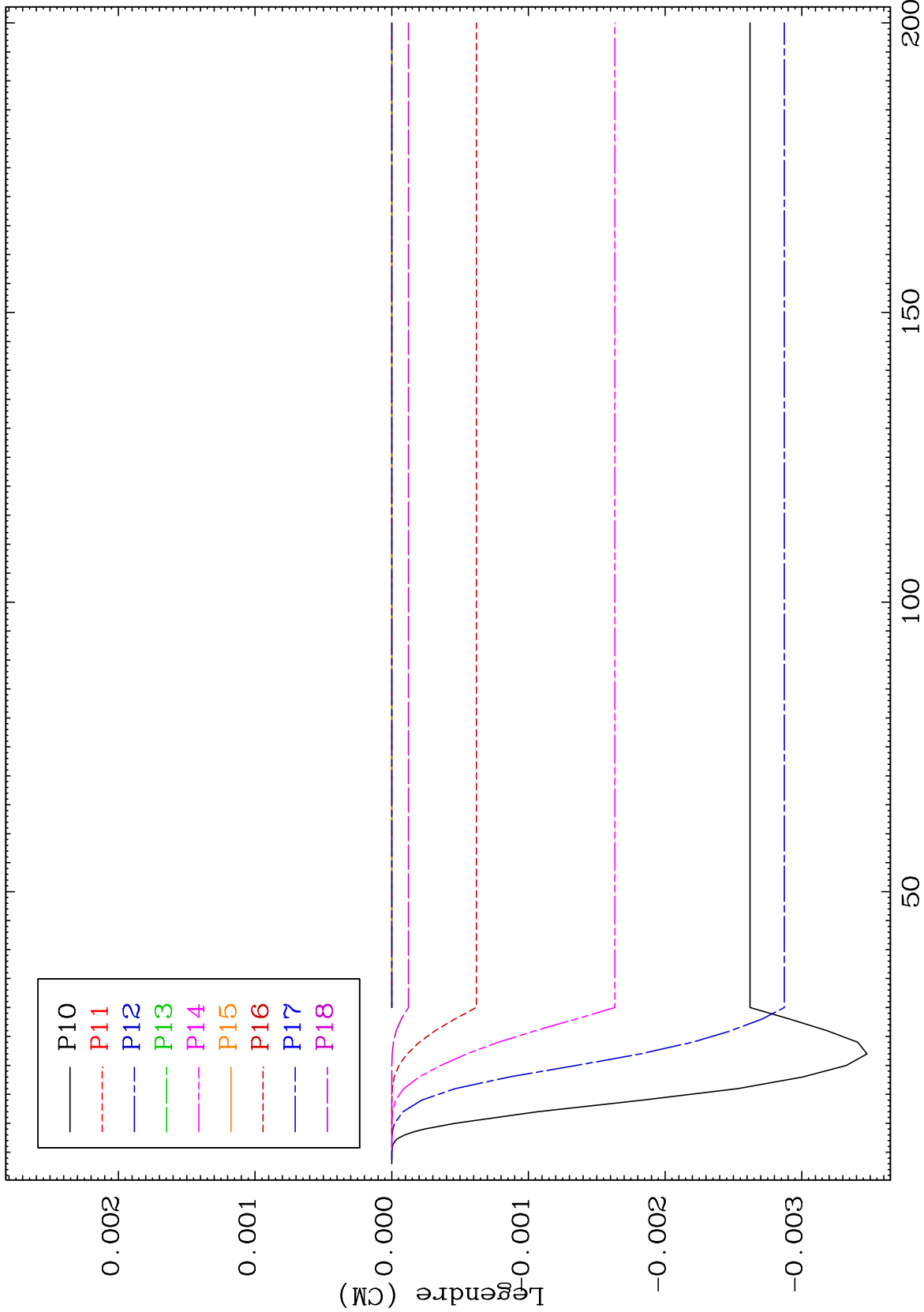
64-Gd-142



64-Gd-142

Incident Energy (MeV)

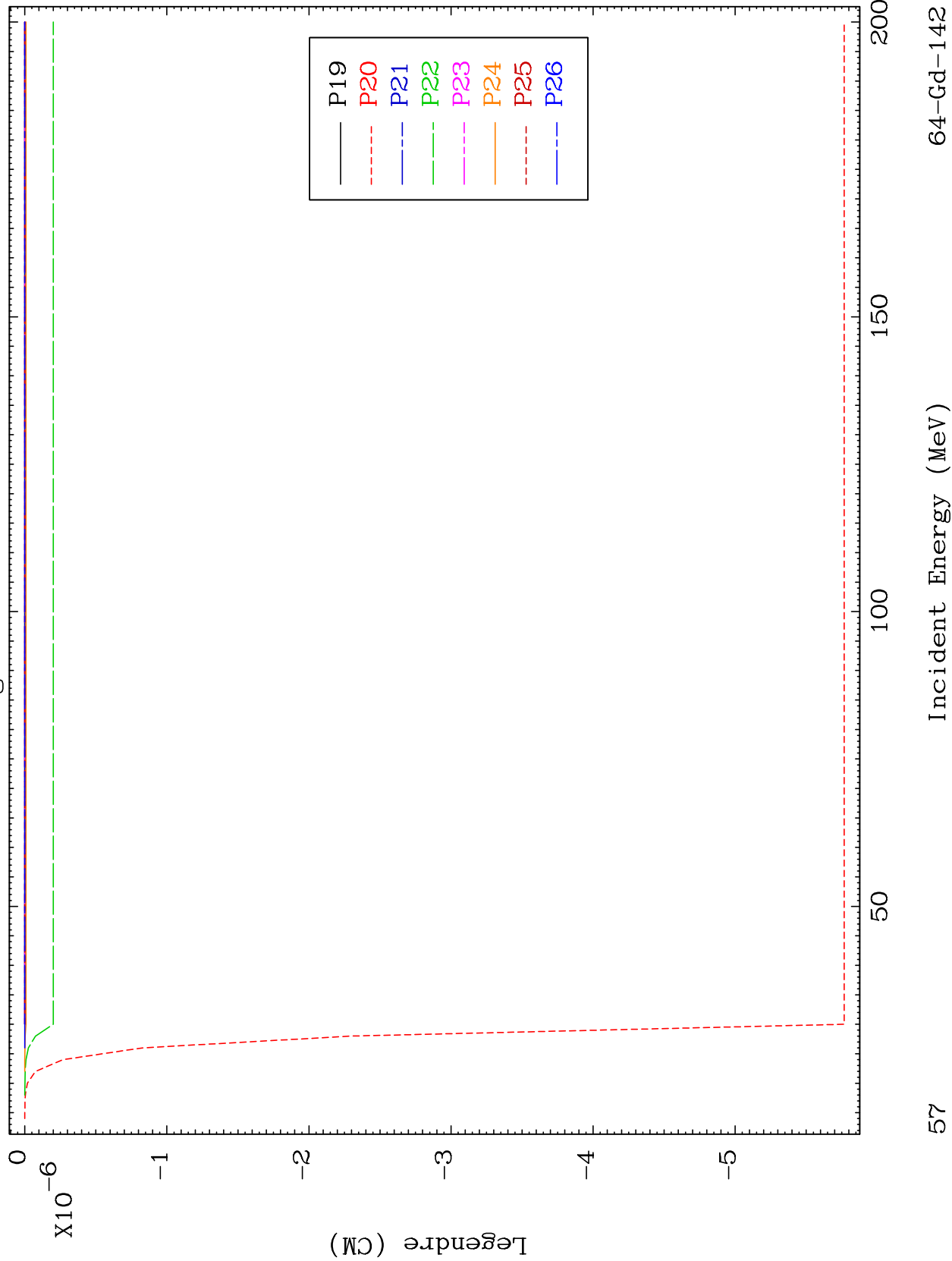
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MAT 6395

MT= 61 (n,n') Level
Legendre Coefficients

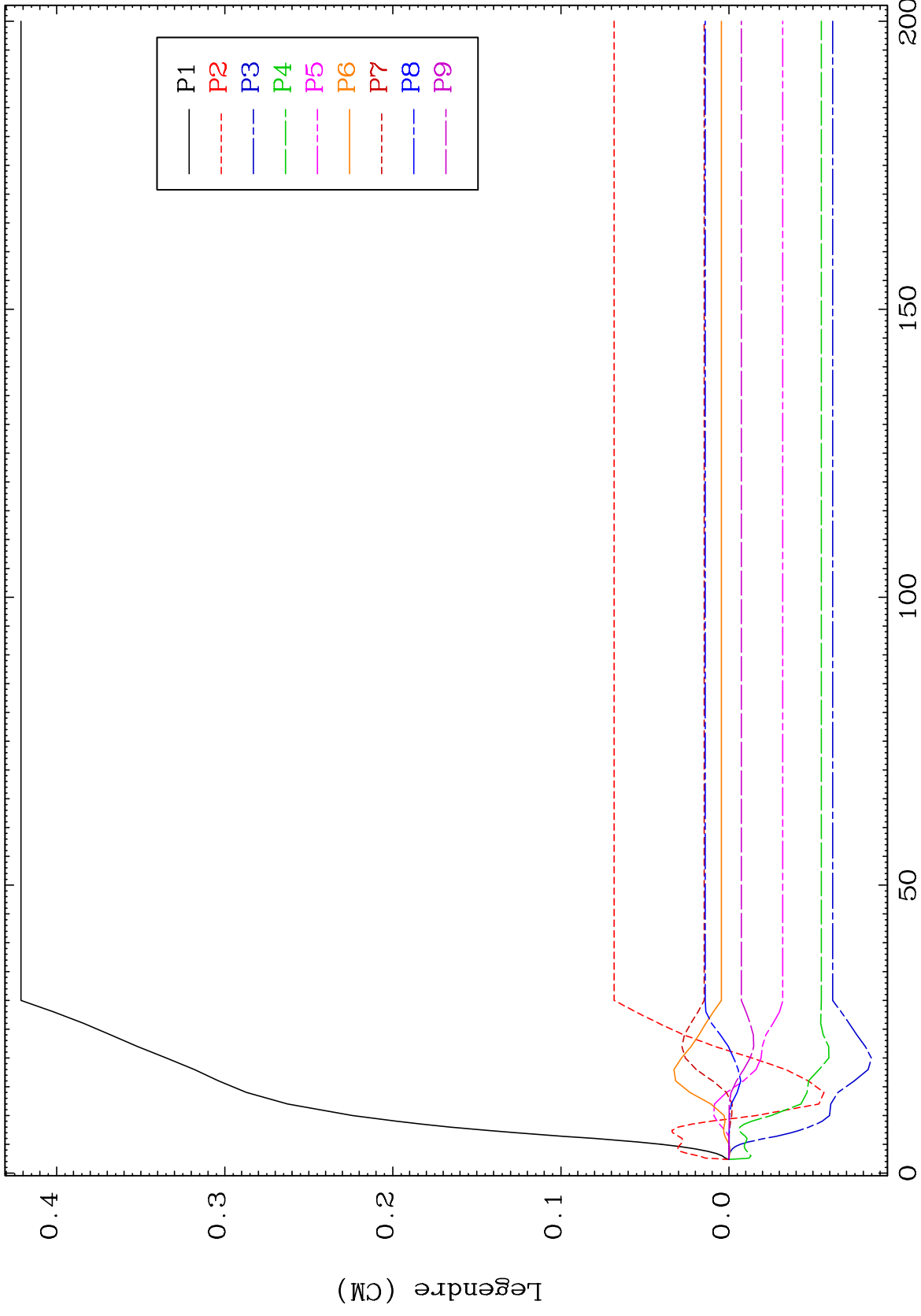
64-Gd-142



MAT 6395

MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-142



58

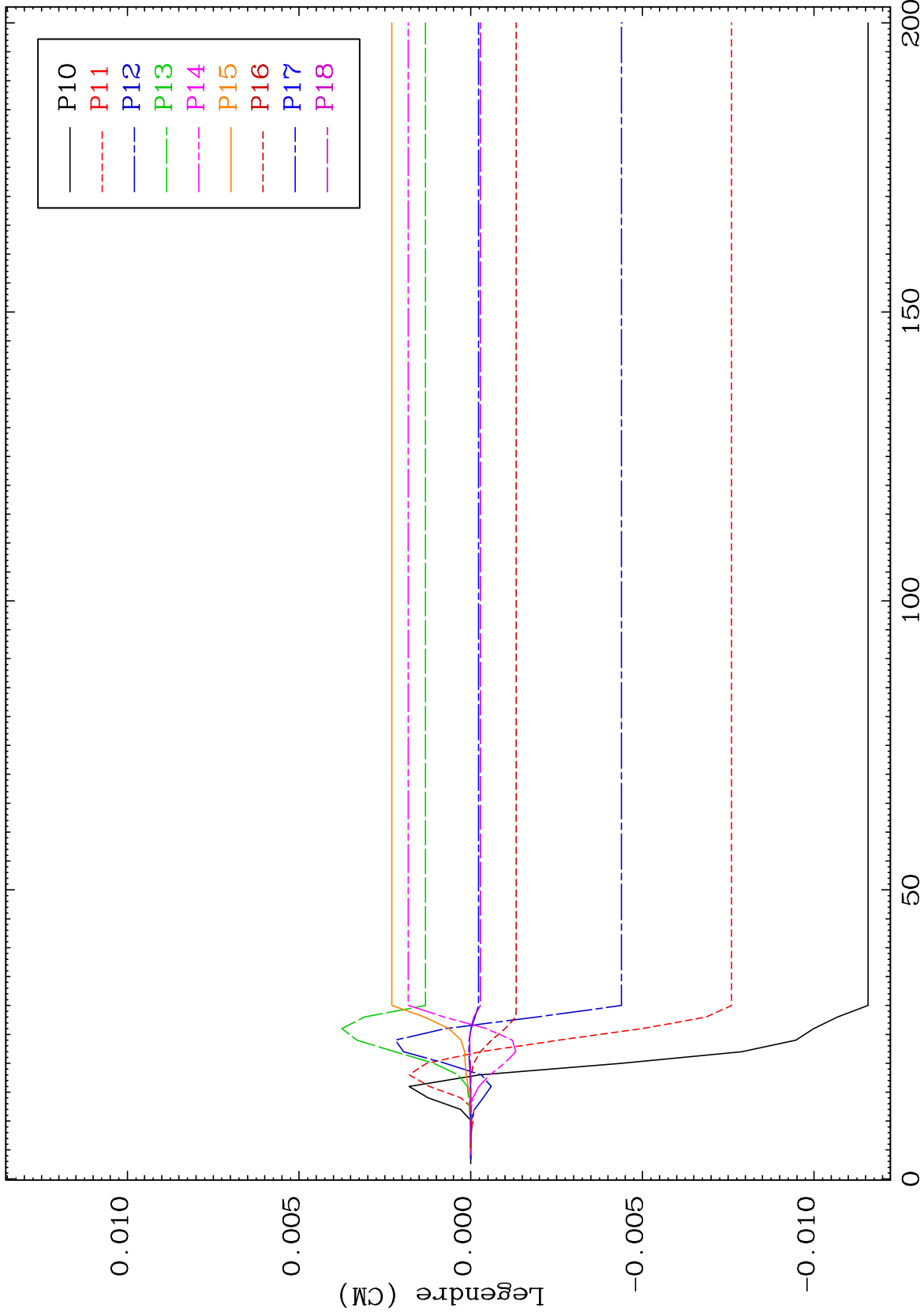
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-142



59

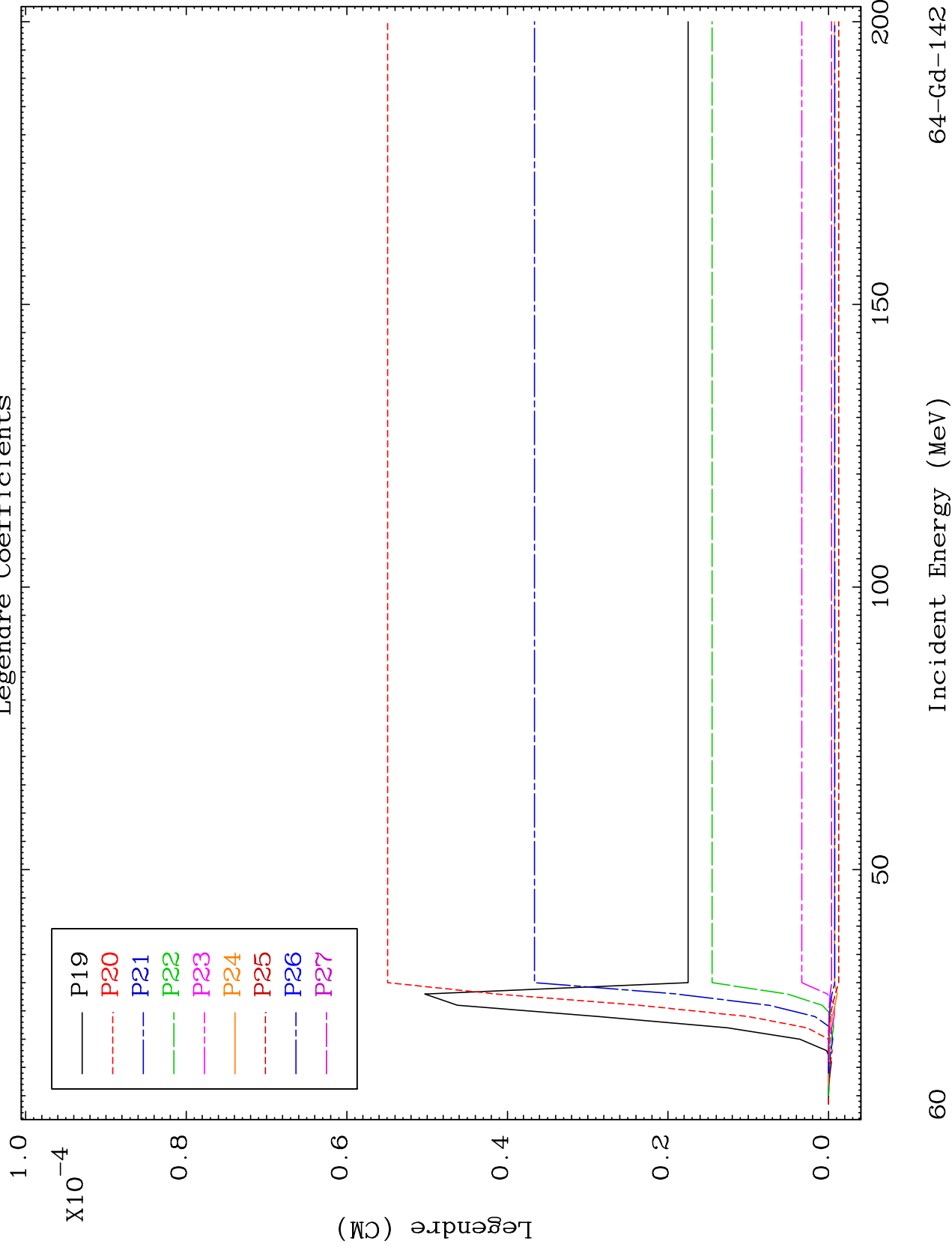
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-142



64-Gd-142

Incident Energy (MeV)

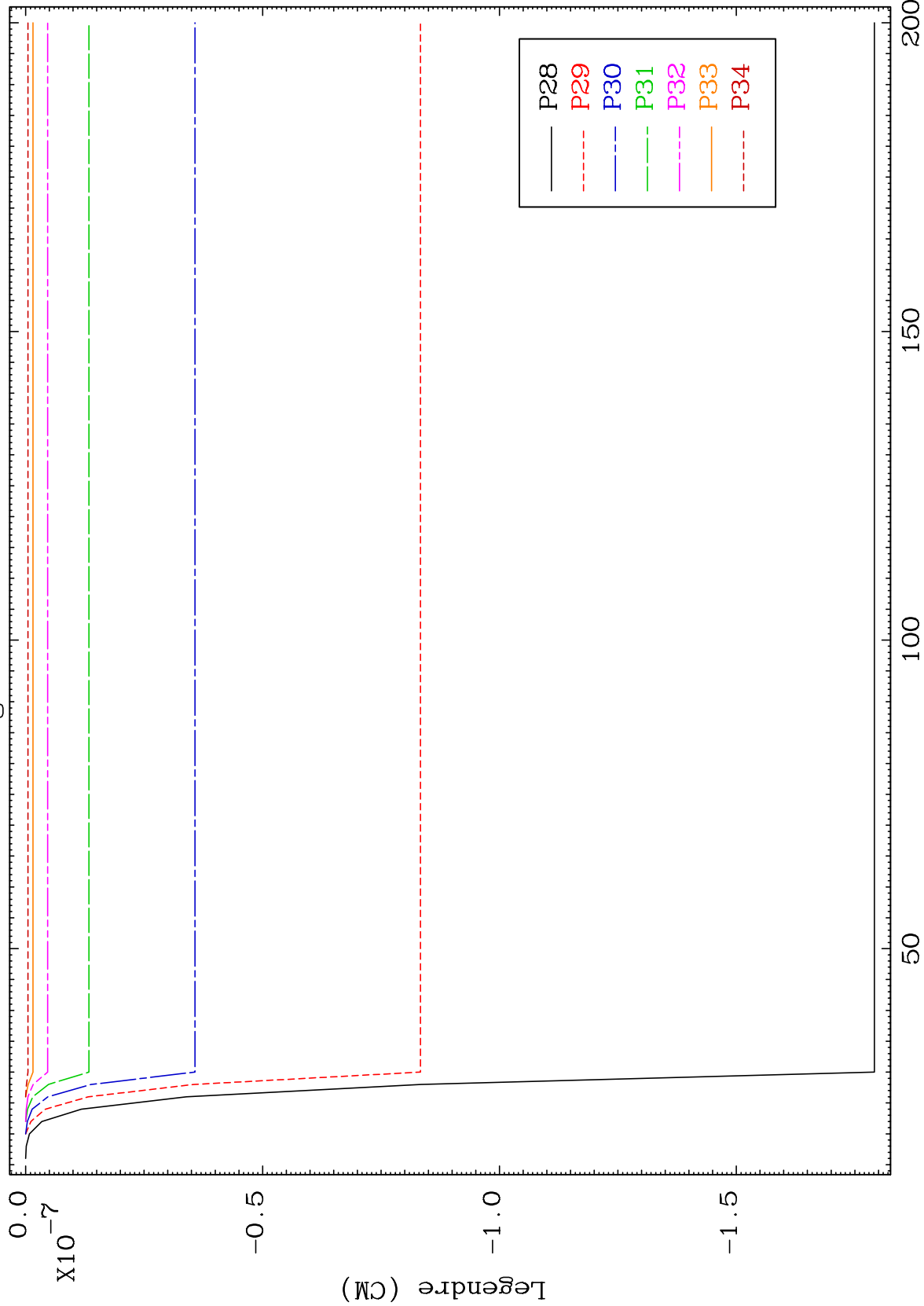
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MAT 6395

MT= 62 (n,n') Level

64-Gd-142

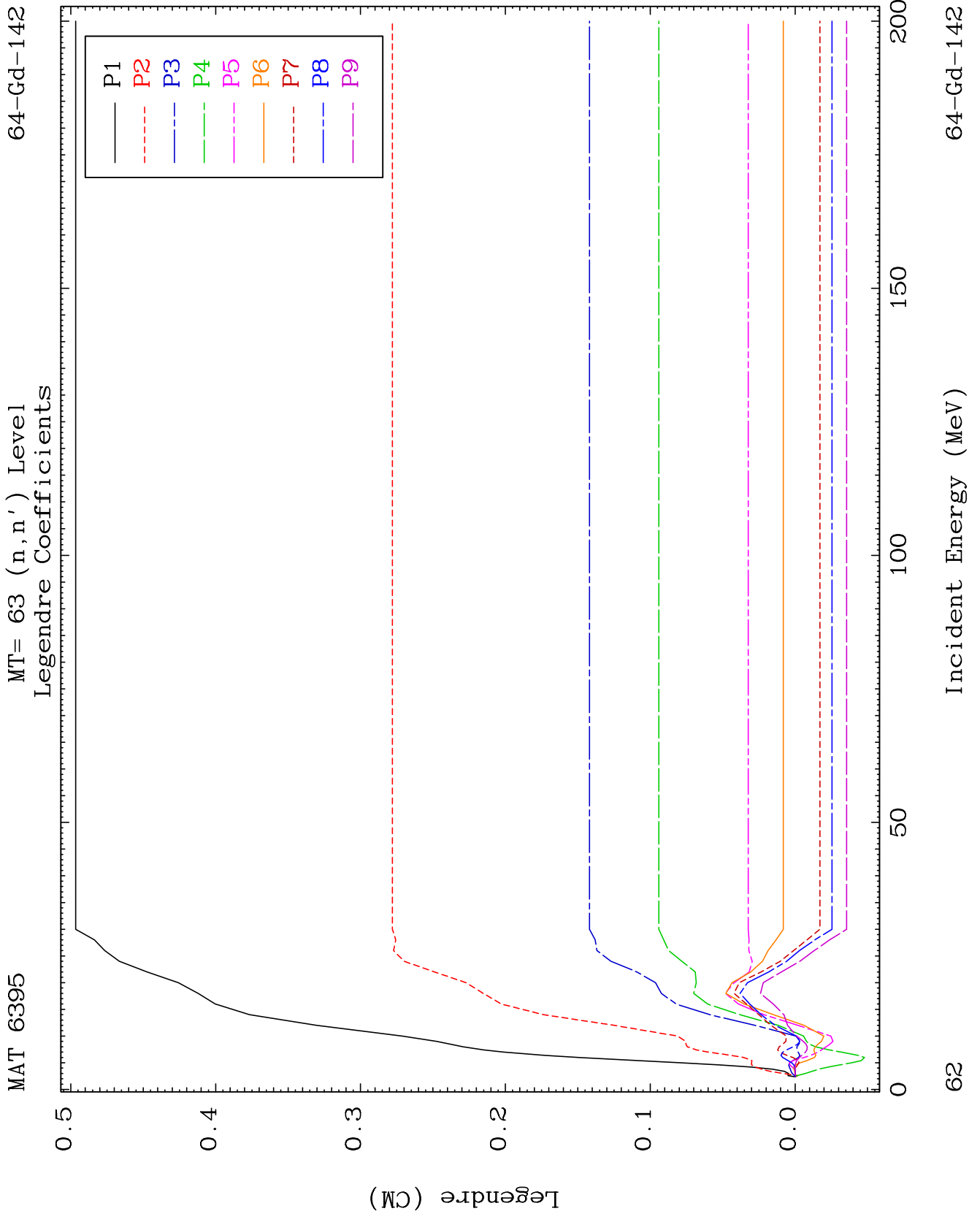
Legendre Coefficients



61

Incident Energy (MeV)

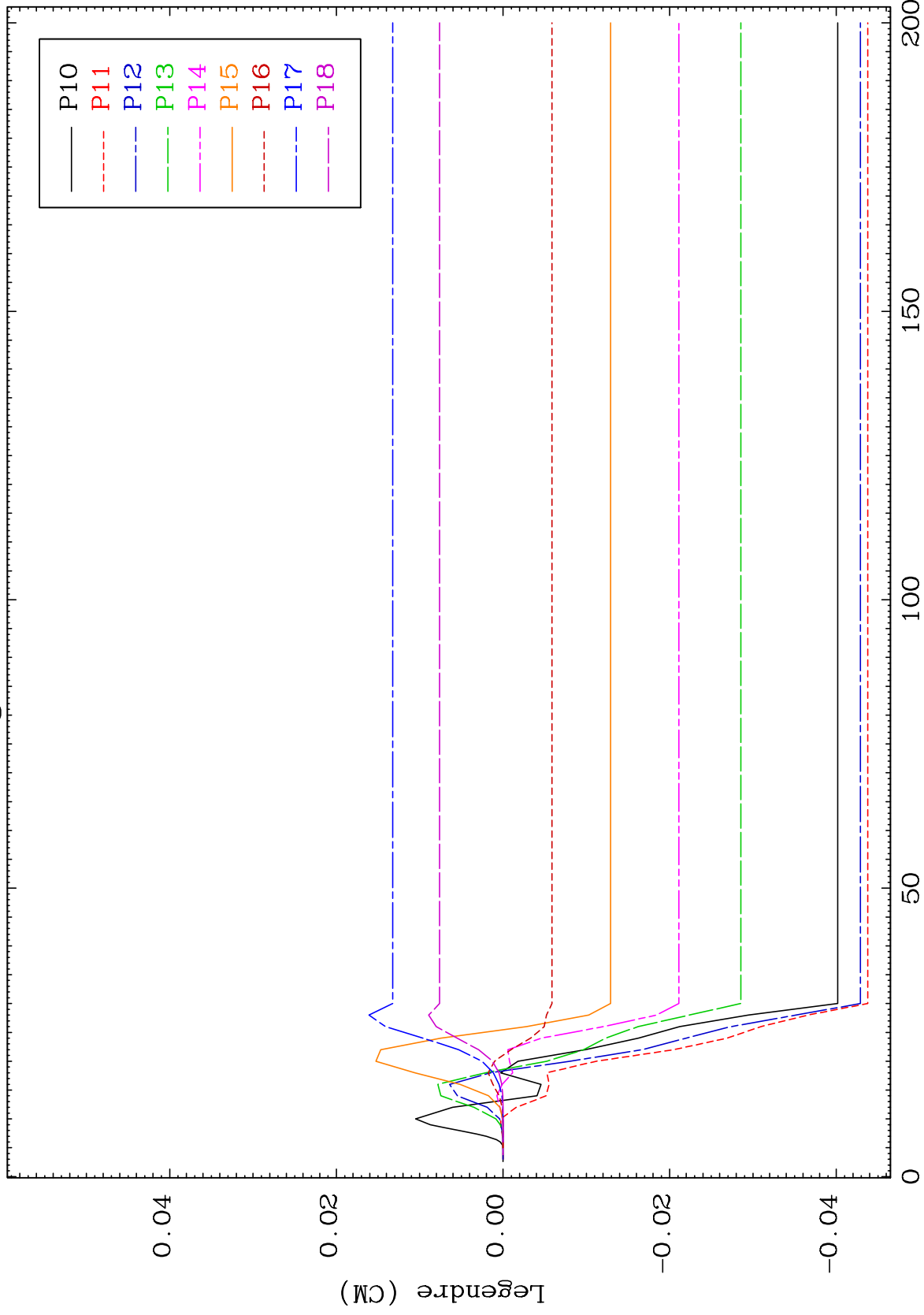
64-Gd-142



MAT 6395

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-142



63

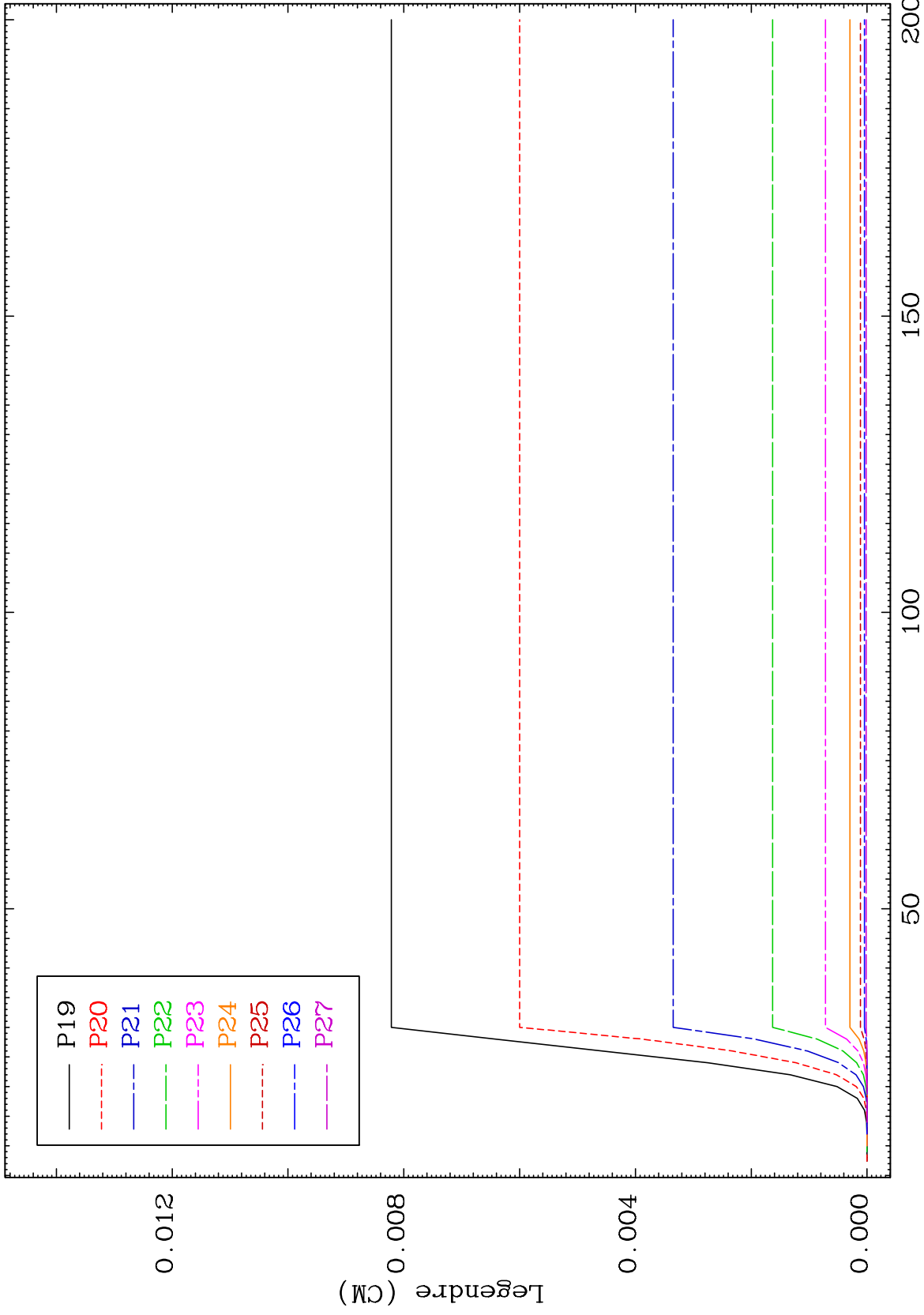
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-142



64

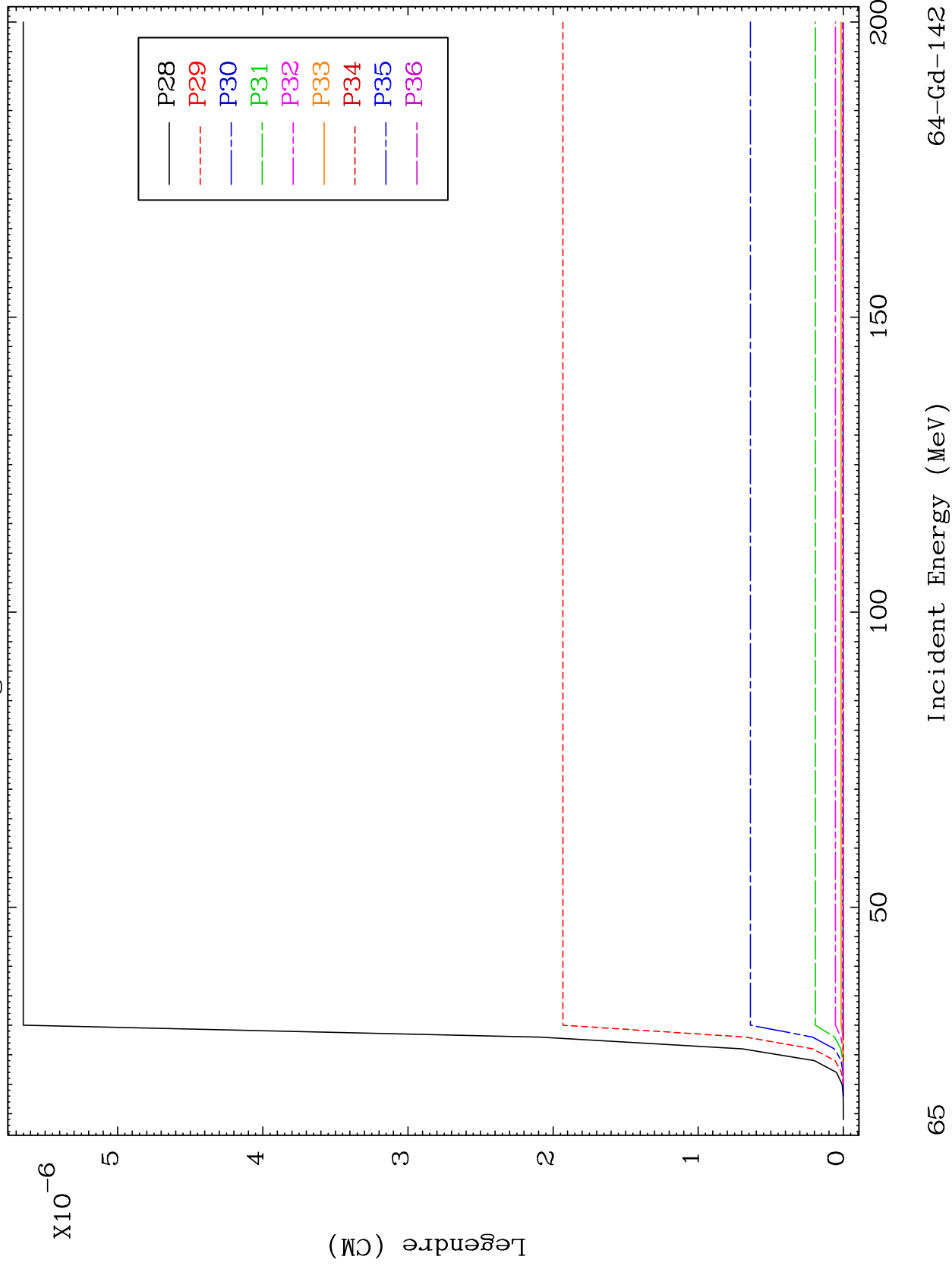
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-142



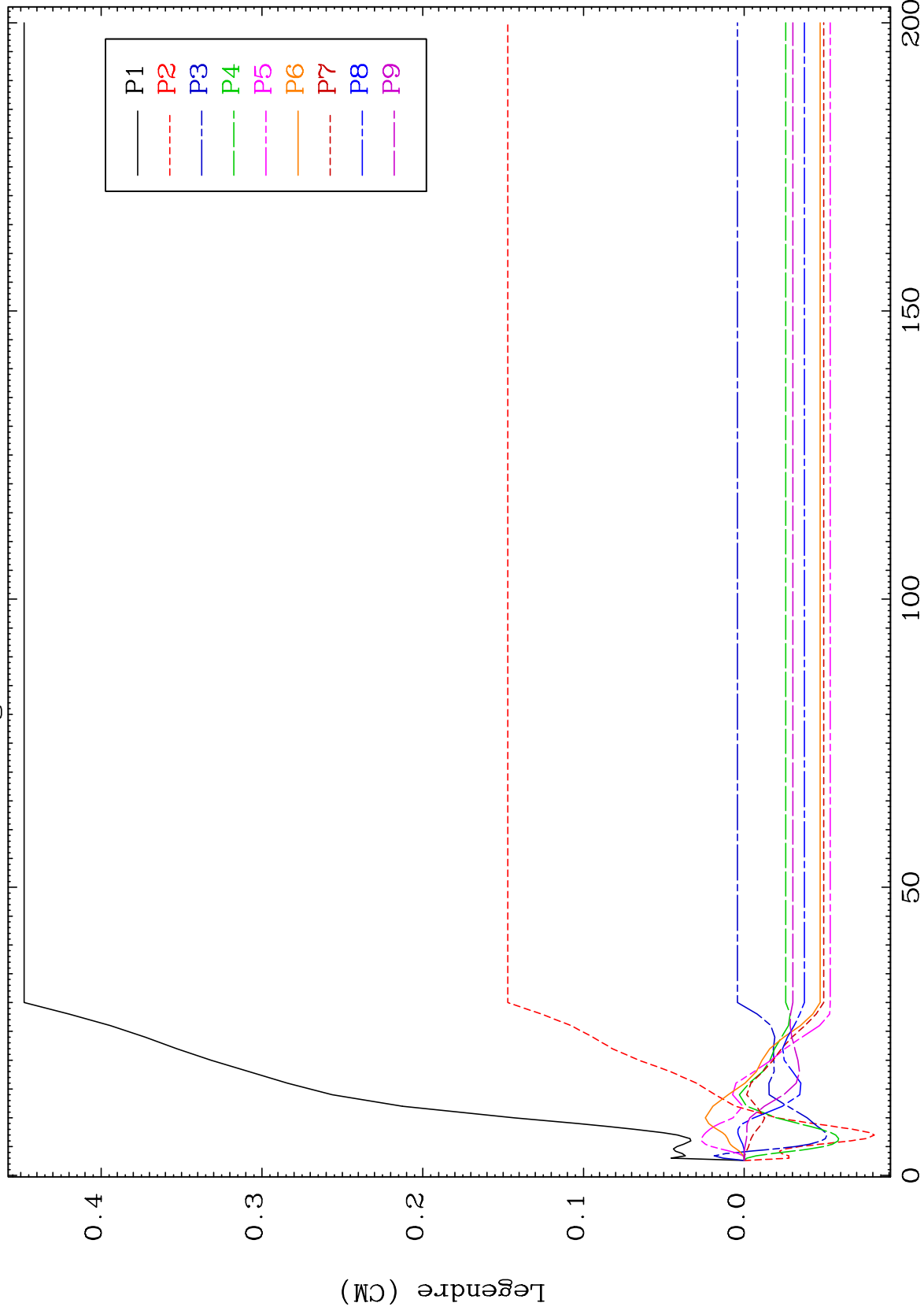
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64-Gd-142

MAT 6395

MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-142



66

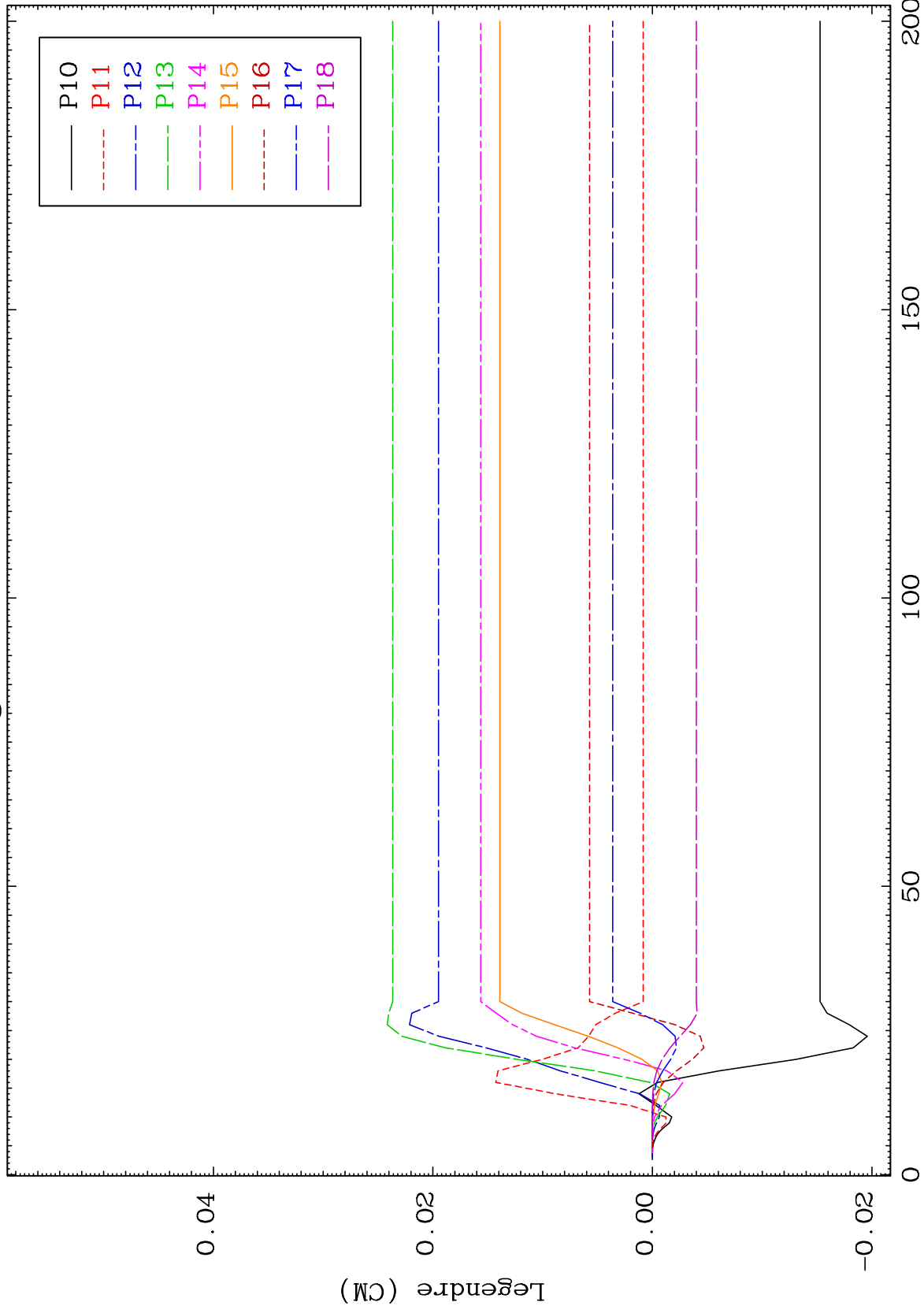
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-142



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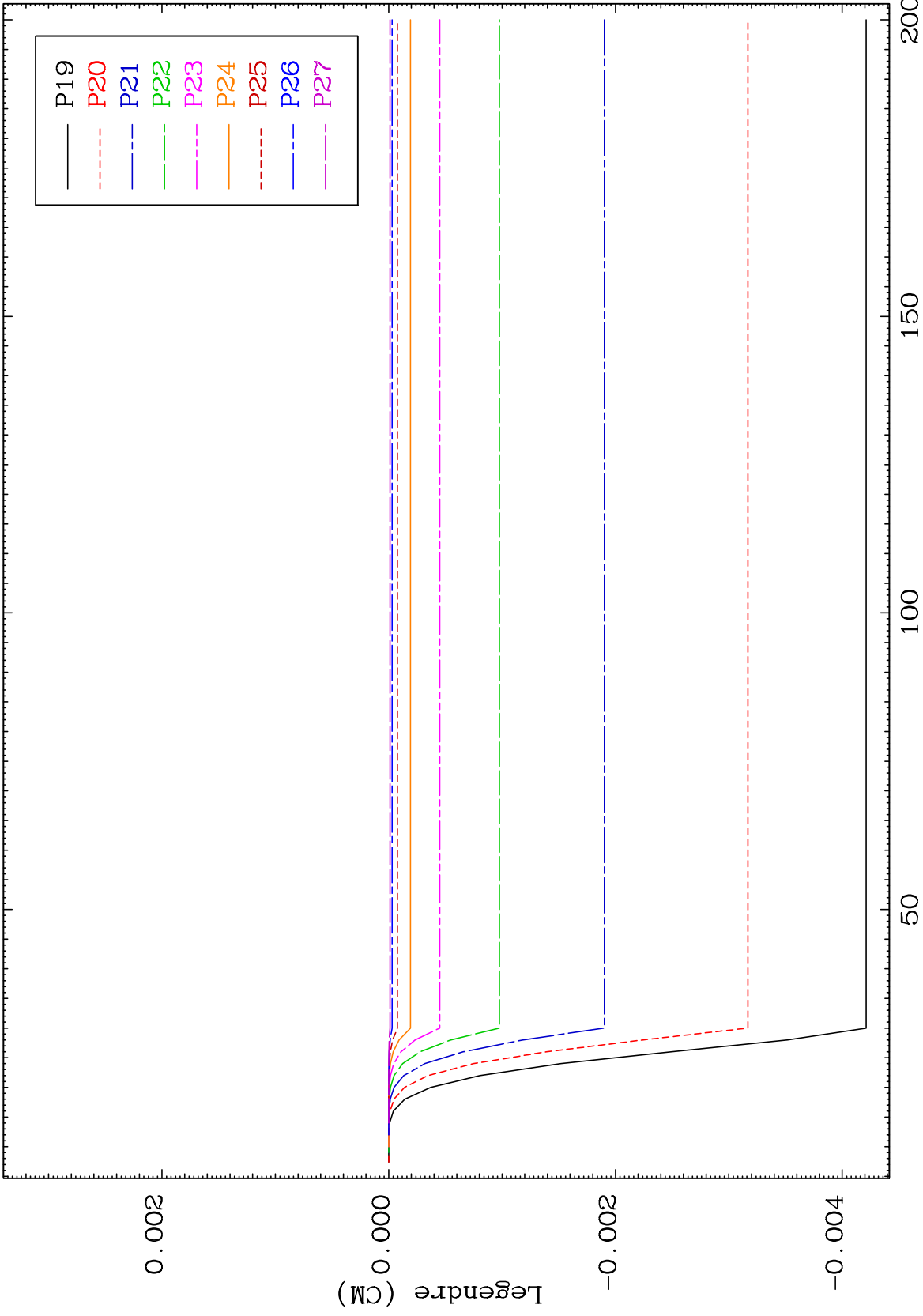
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-142



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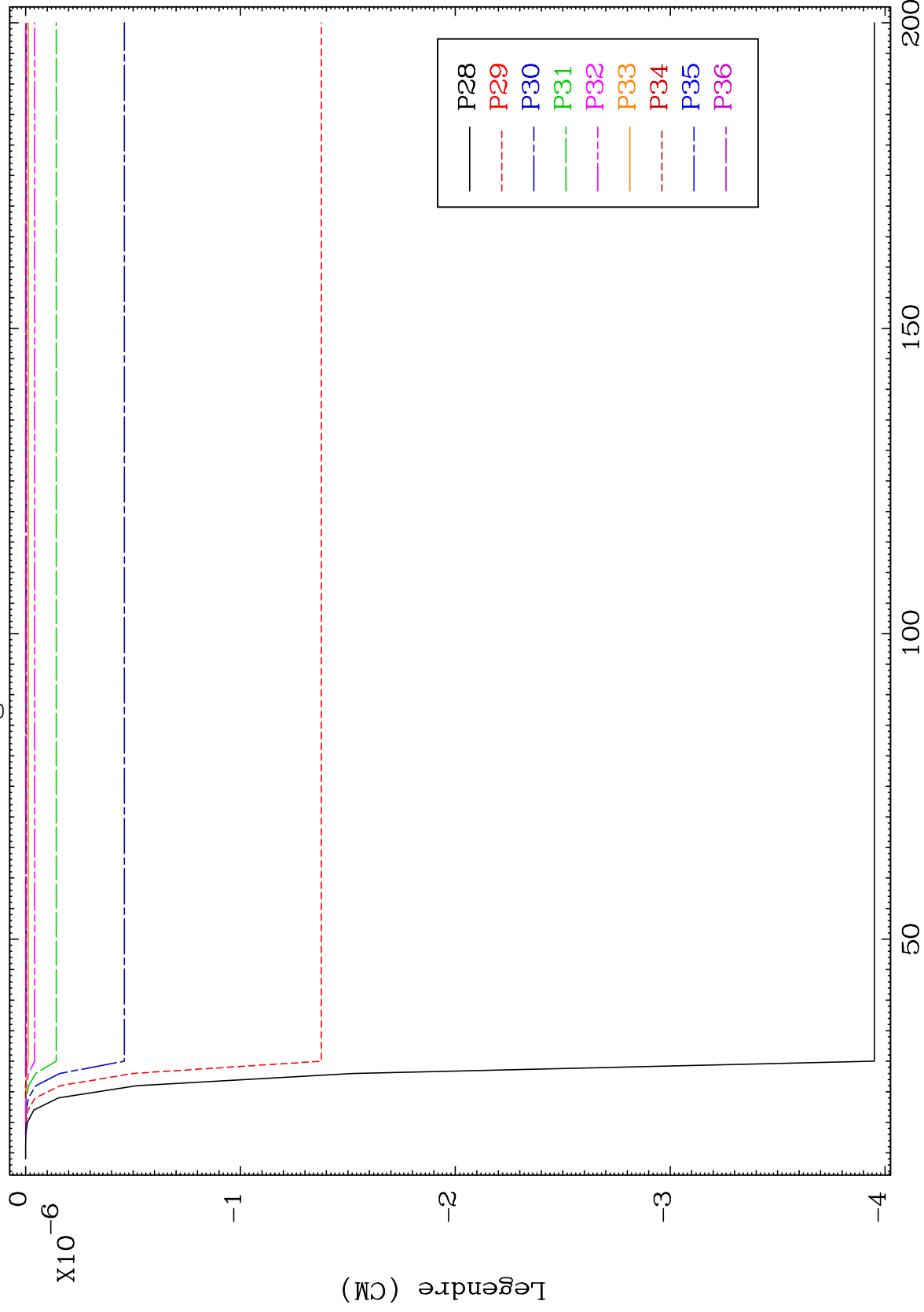
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-142



69

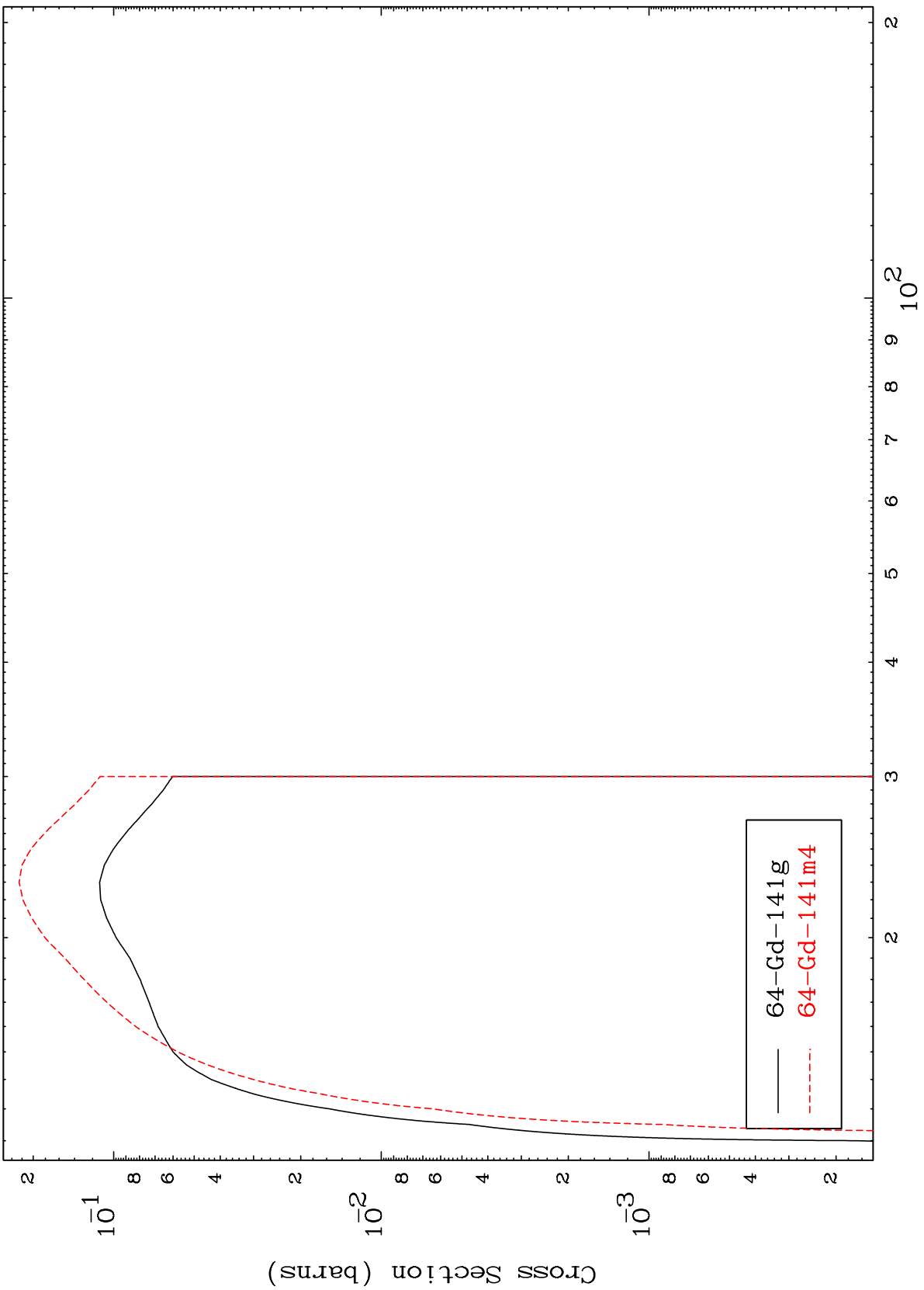
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

Radionuclide Production Cross Section
(n,2n)



70

Incident Energy (MeV)

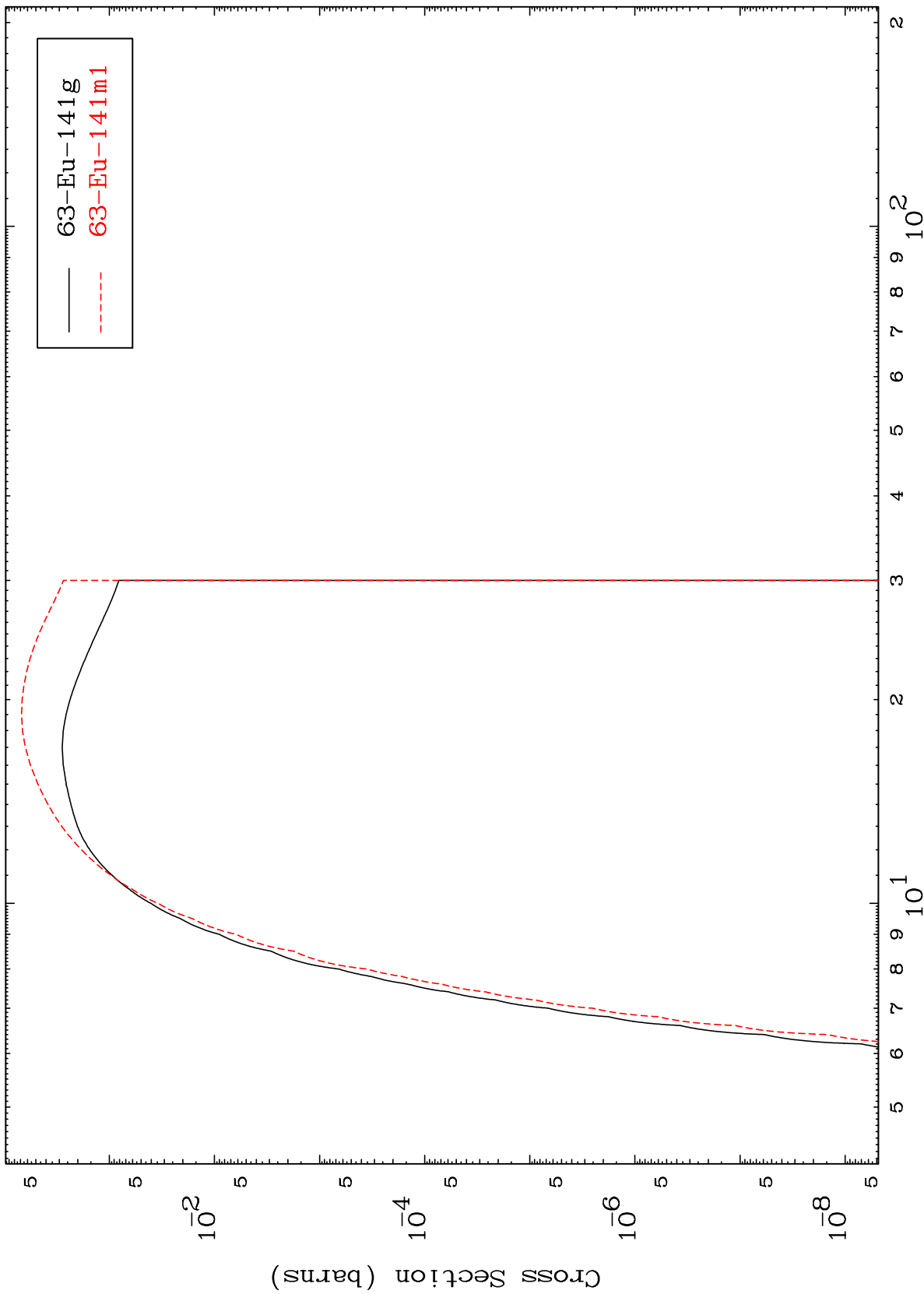
64-Gd-142

MAT 6395

(n,n') p

64-Gd-142

Radionuclide Production Cross Section



71

Incident Energy (MeV)

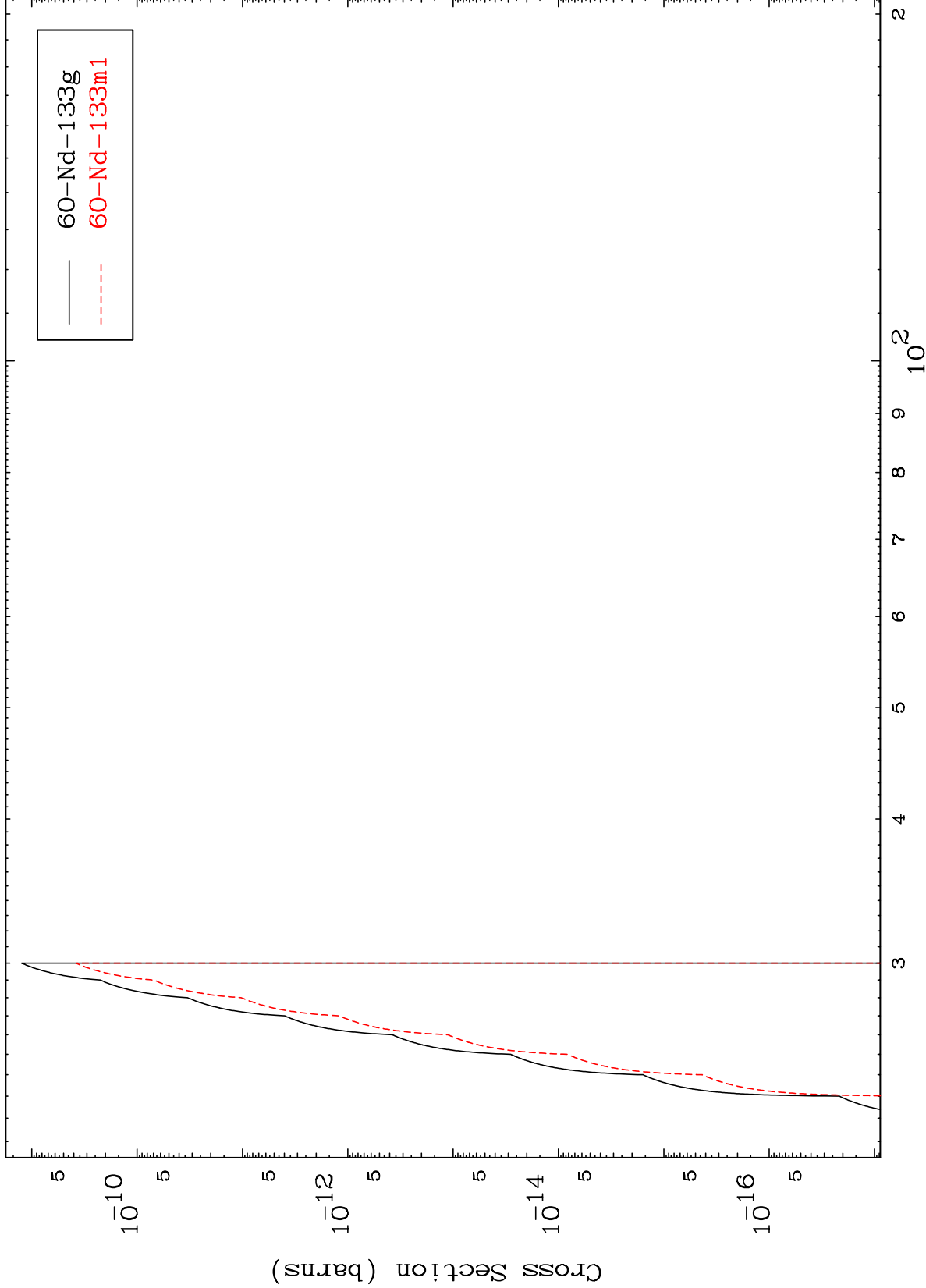
64-Gd-142

MAT 6395

(n,2n) 2α

64-Gd-142

Radionuclide Production Cross Section



72

Incident Energy (MeV)

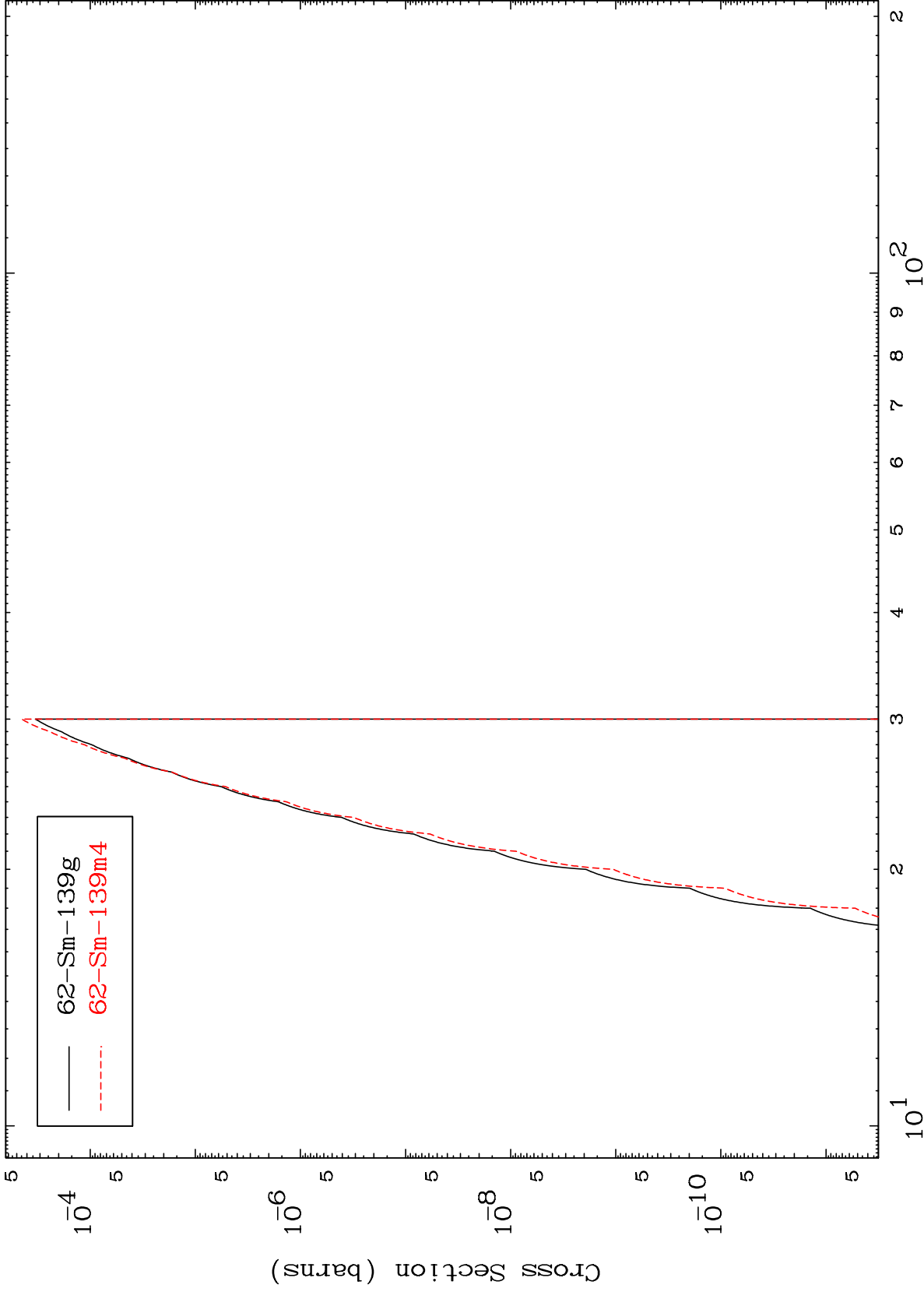
64-Gd-142

MAT 6395

(n,n') He-3

64-Gd-142

Radionuclide Production Cross Section



73

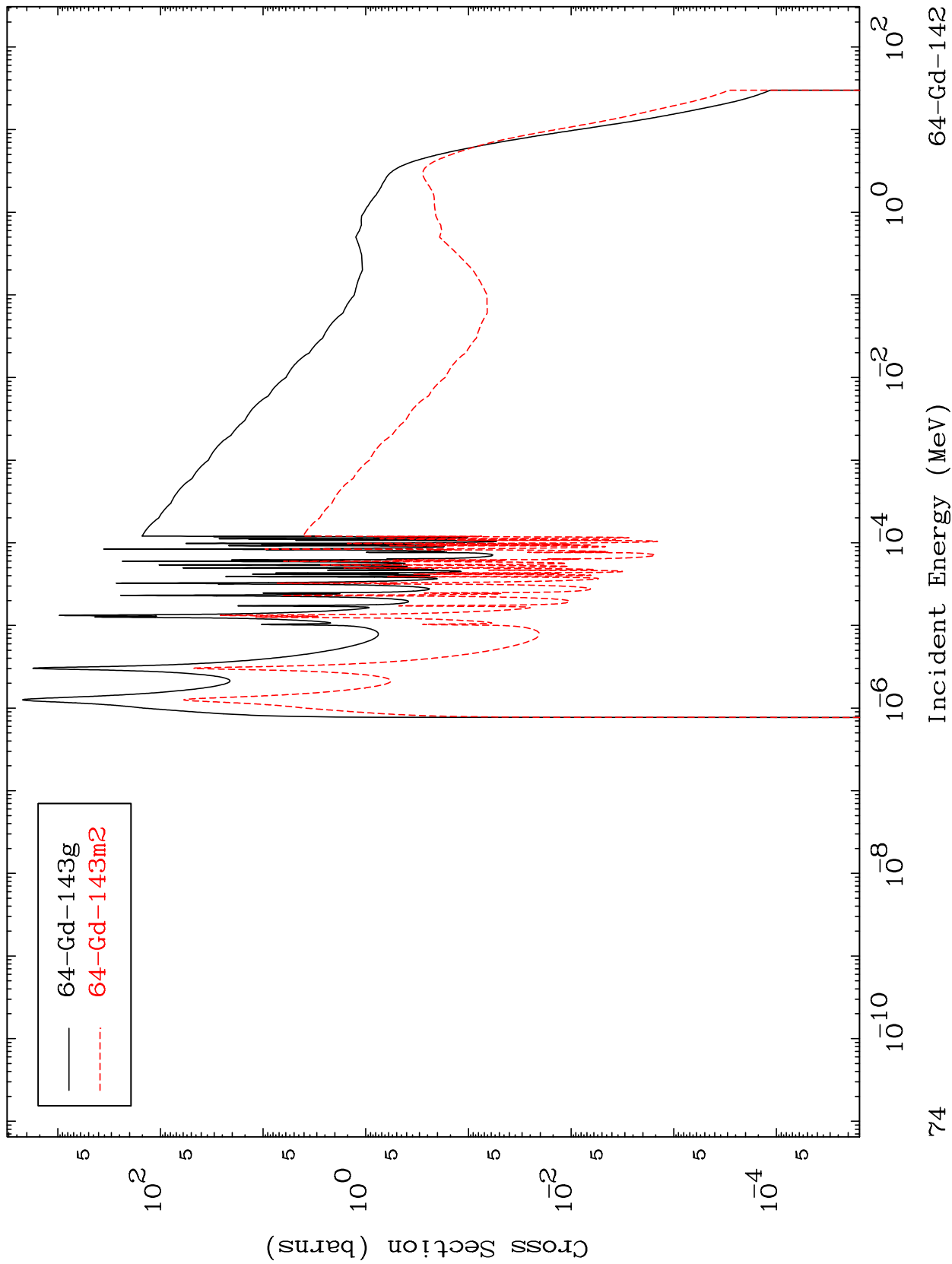
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(n, γ)
Radionuclide Production Cross Section

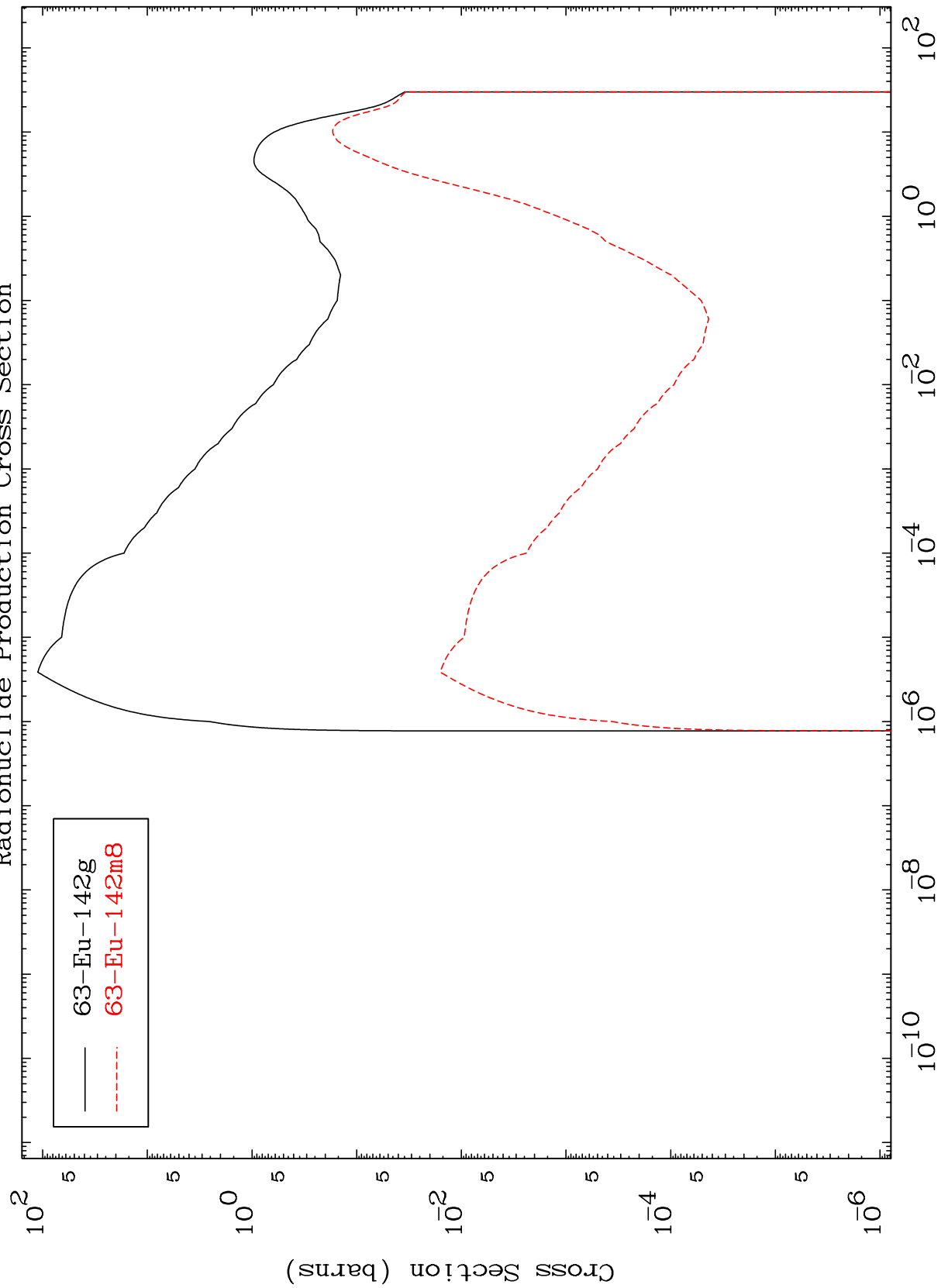


74

MAT 6395

64-Gd-142

(n,p)
Radionuclide Production Cross Section



— 63-Eu-142g
- - - 63-Eu-142m8

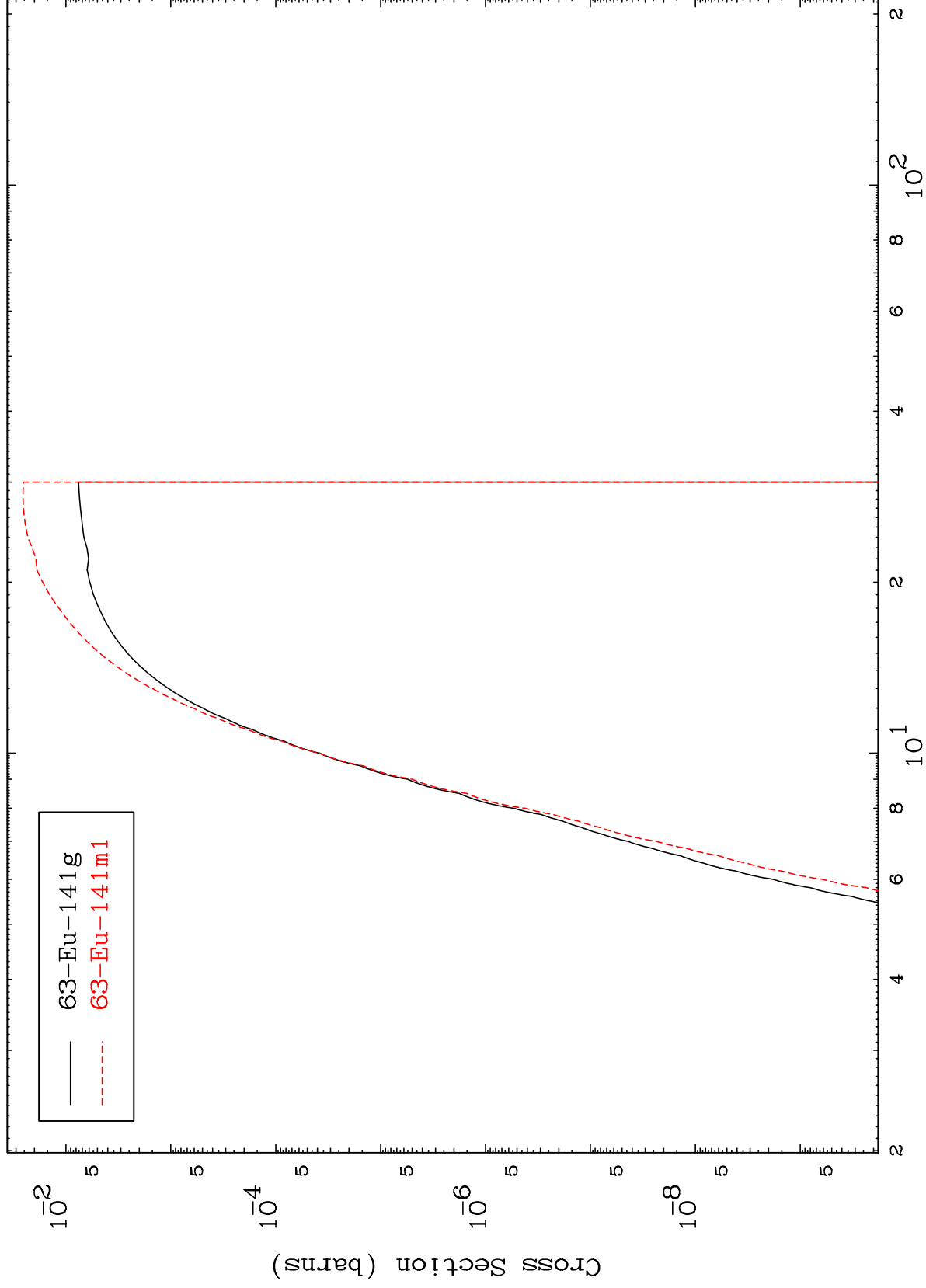
75

64-Gd-142

MAT 6395

64-Gd-142

(n,d)
Radionuclide Production Cross Section



76

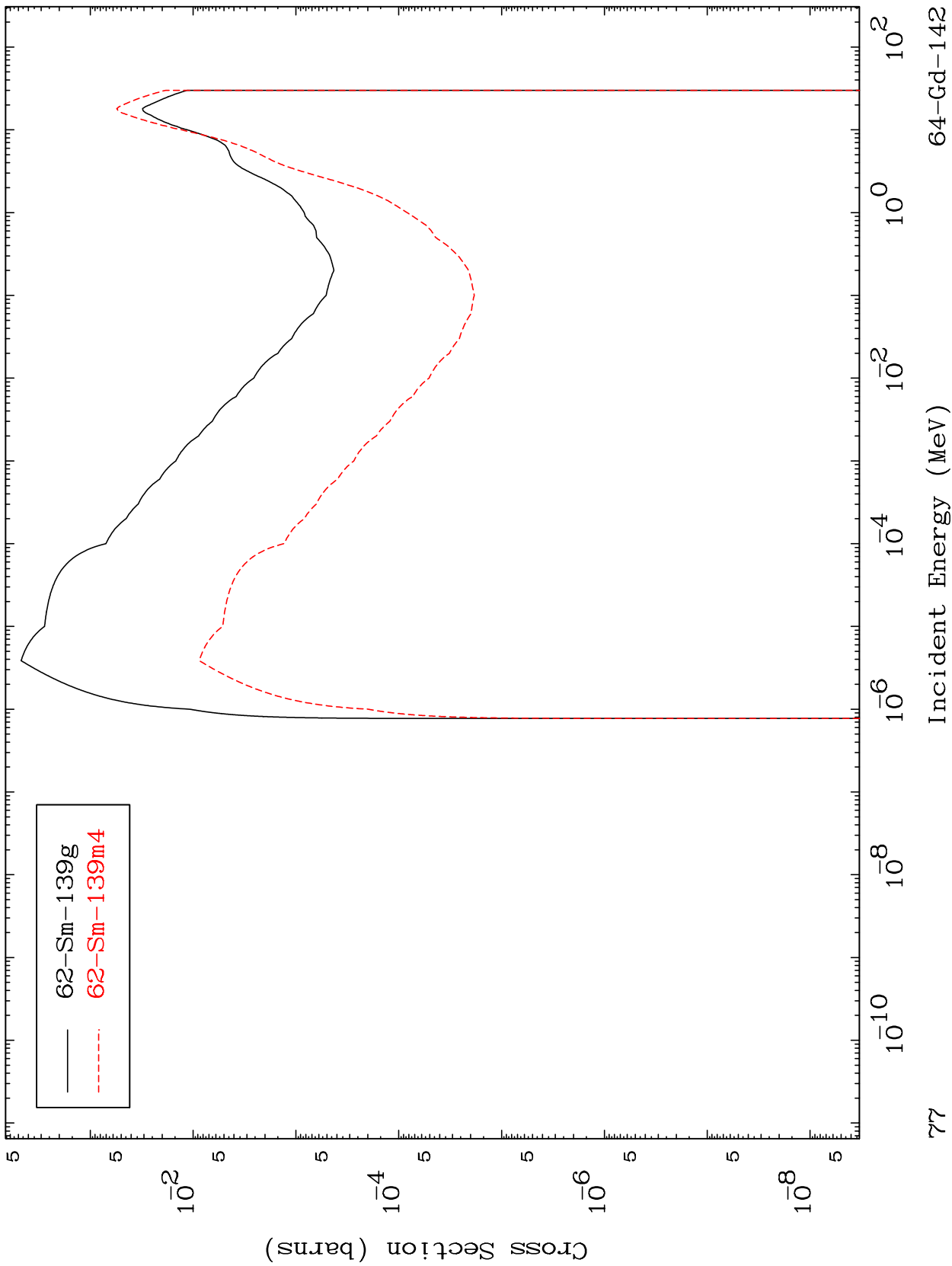
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(n, α)
Radionuclide Production Cross Section

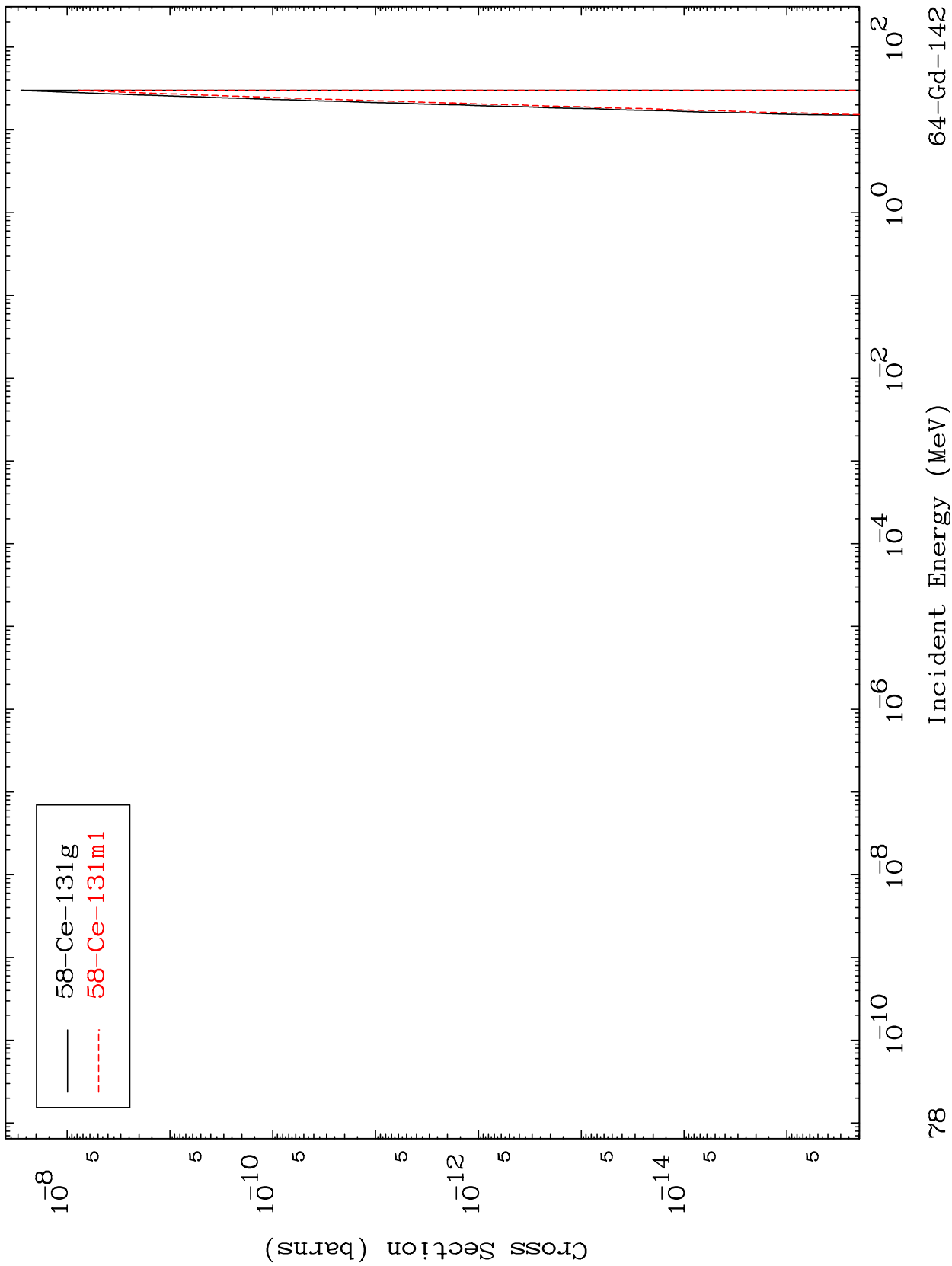


MAT 6395

(n,3 α)

64-Gd-142

Radionuclide Production Cross Section

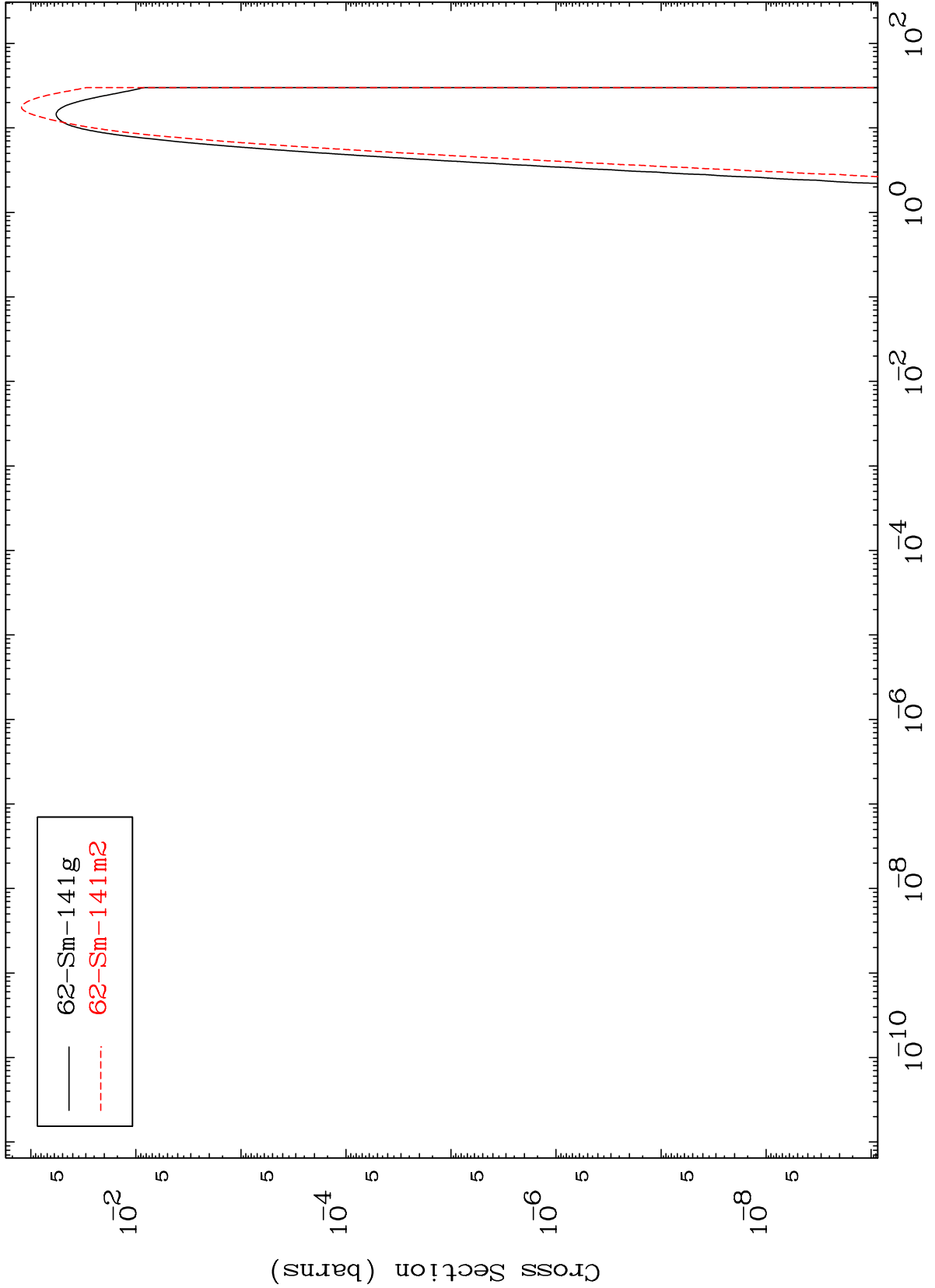


MAT 6395

(n,2p)

64-Gd-142

Radionuclide Production Cross Section



79

Incident Energy (MeV)

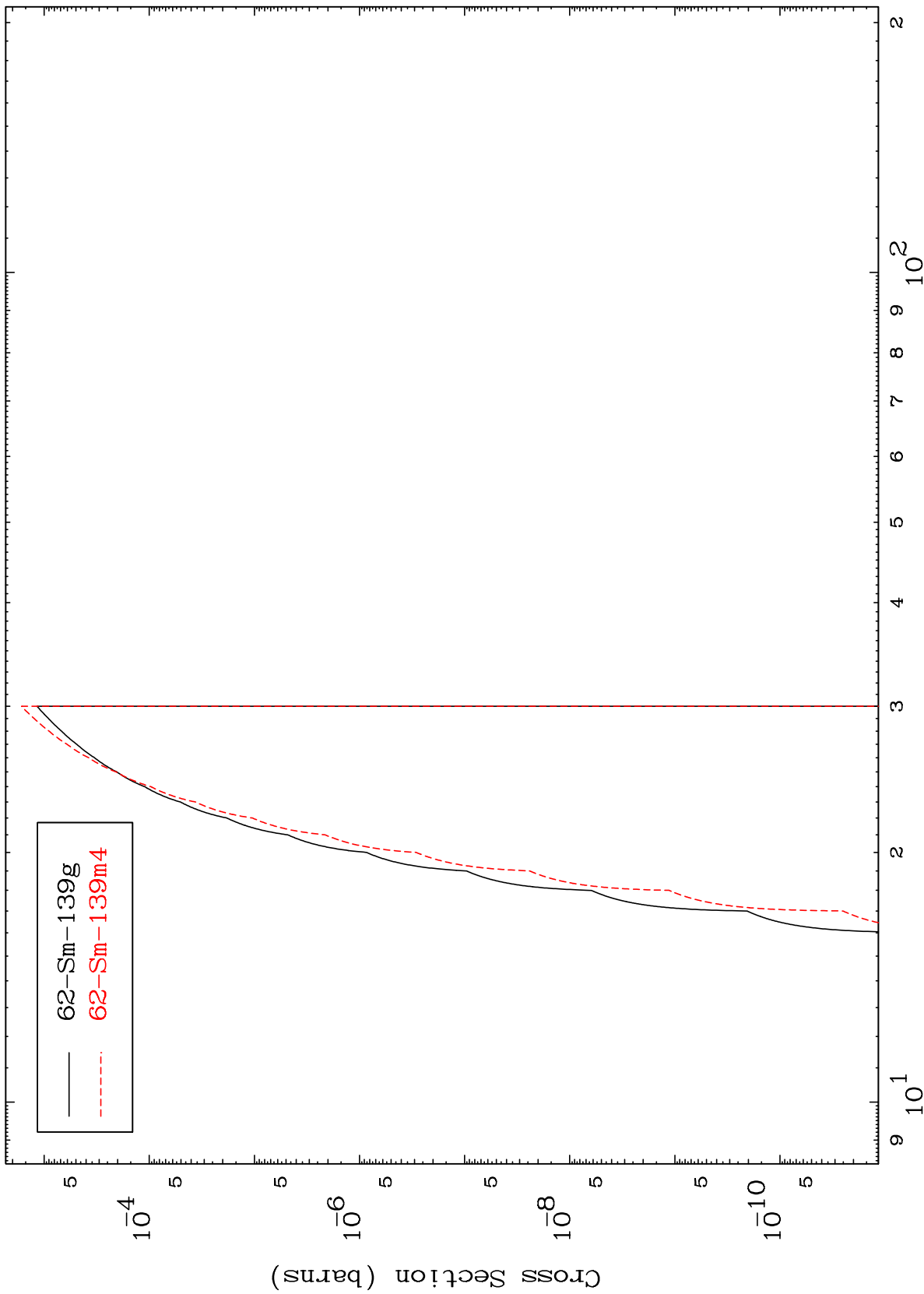
64-Gd-142

MAT 6395

(n,p) t

64-Gd-142

Radionuclide Production Cross Section



62-Sm-139g
62-Sm-139m4

80

Incident Energy (MeV)

64-Gd-142