

Program EVALPLOT
(Version 2018-1)

by

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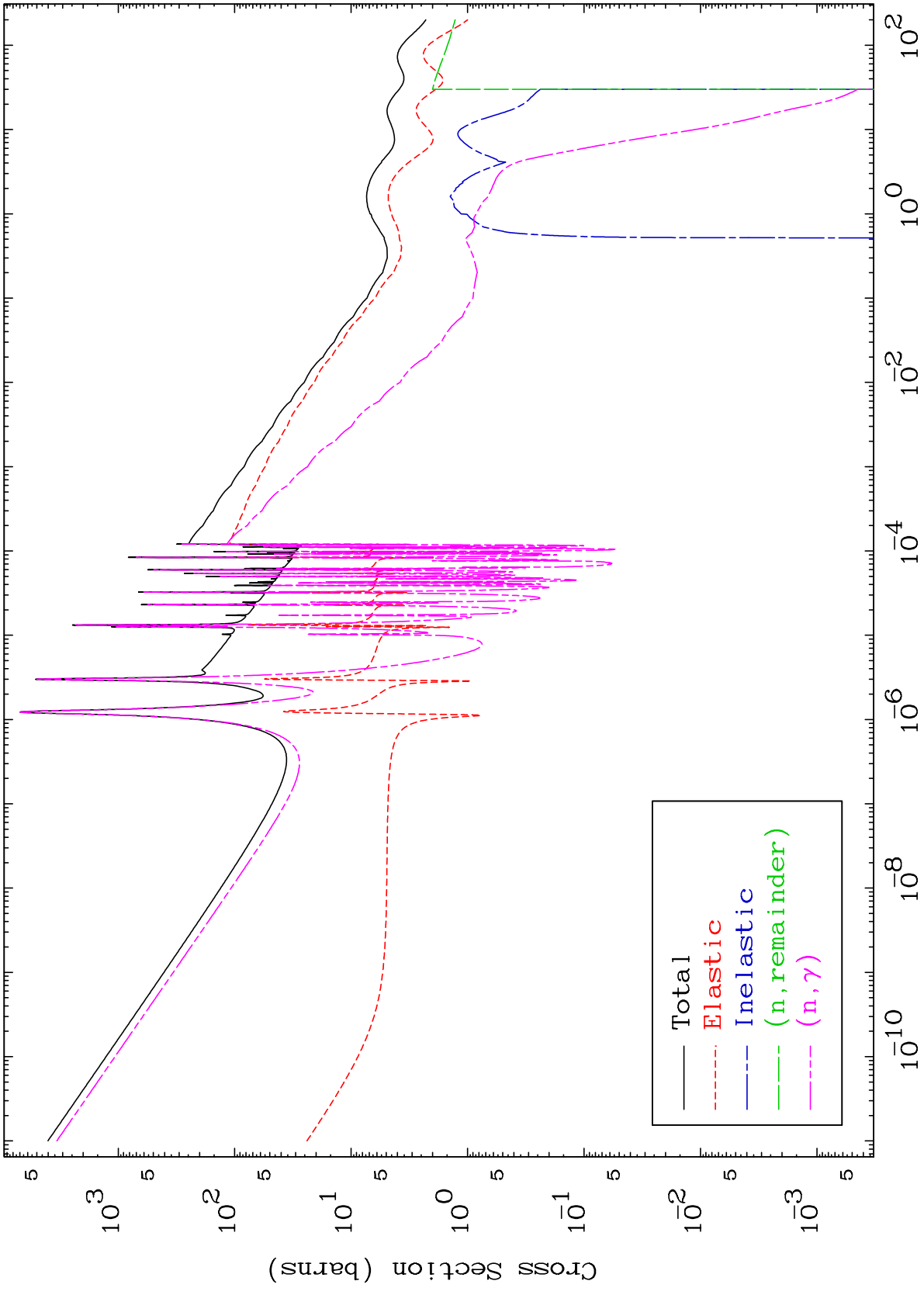
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6395

Major
293 Kelvin Cross Sections

64-Gd-142

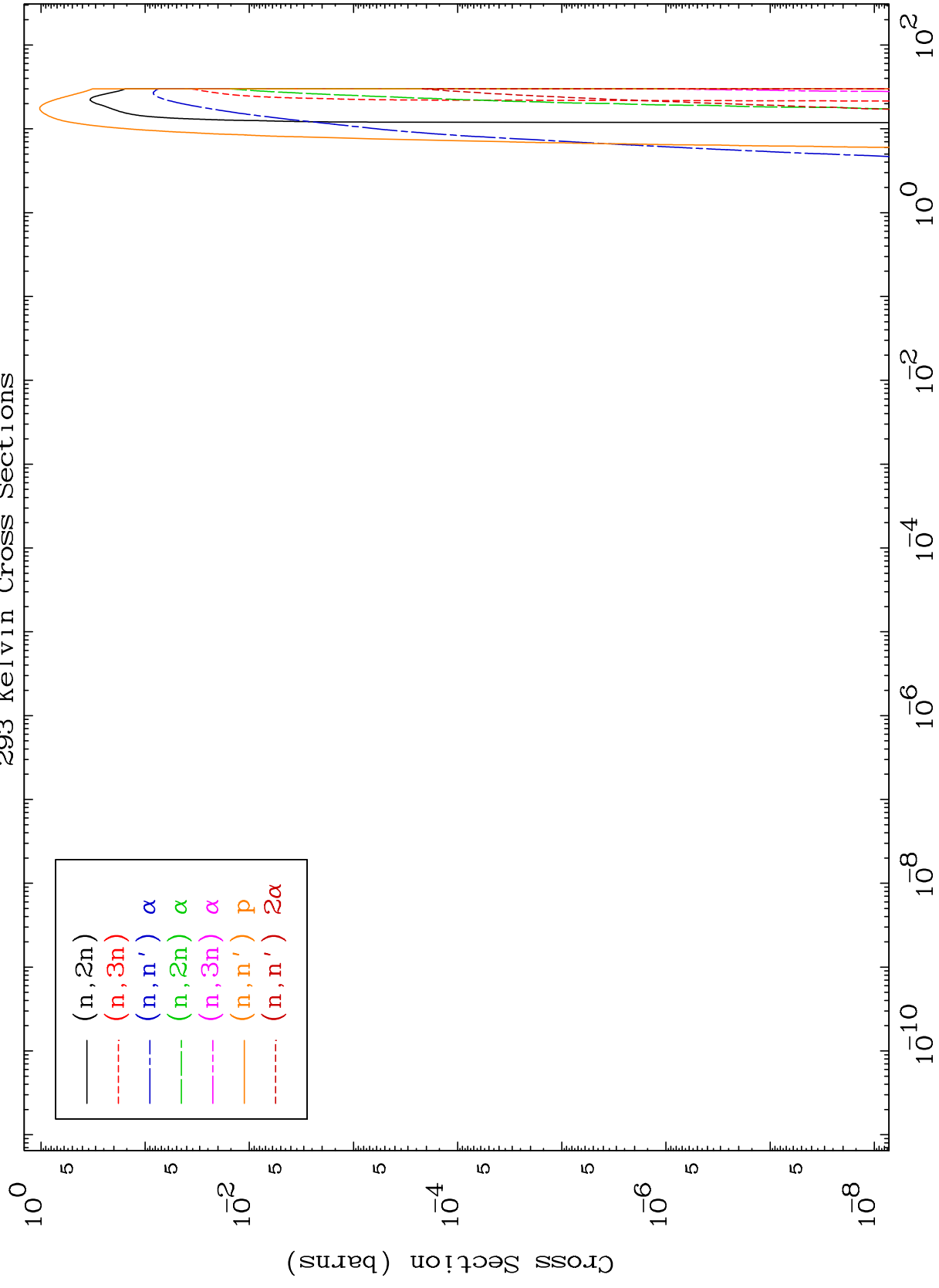


64-Gd-142

MAT 6395

Neutron Production
293 Kelvin Cross Sections

64-Gd-142



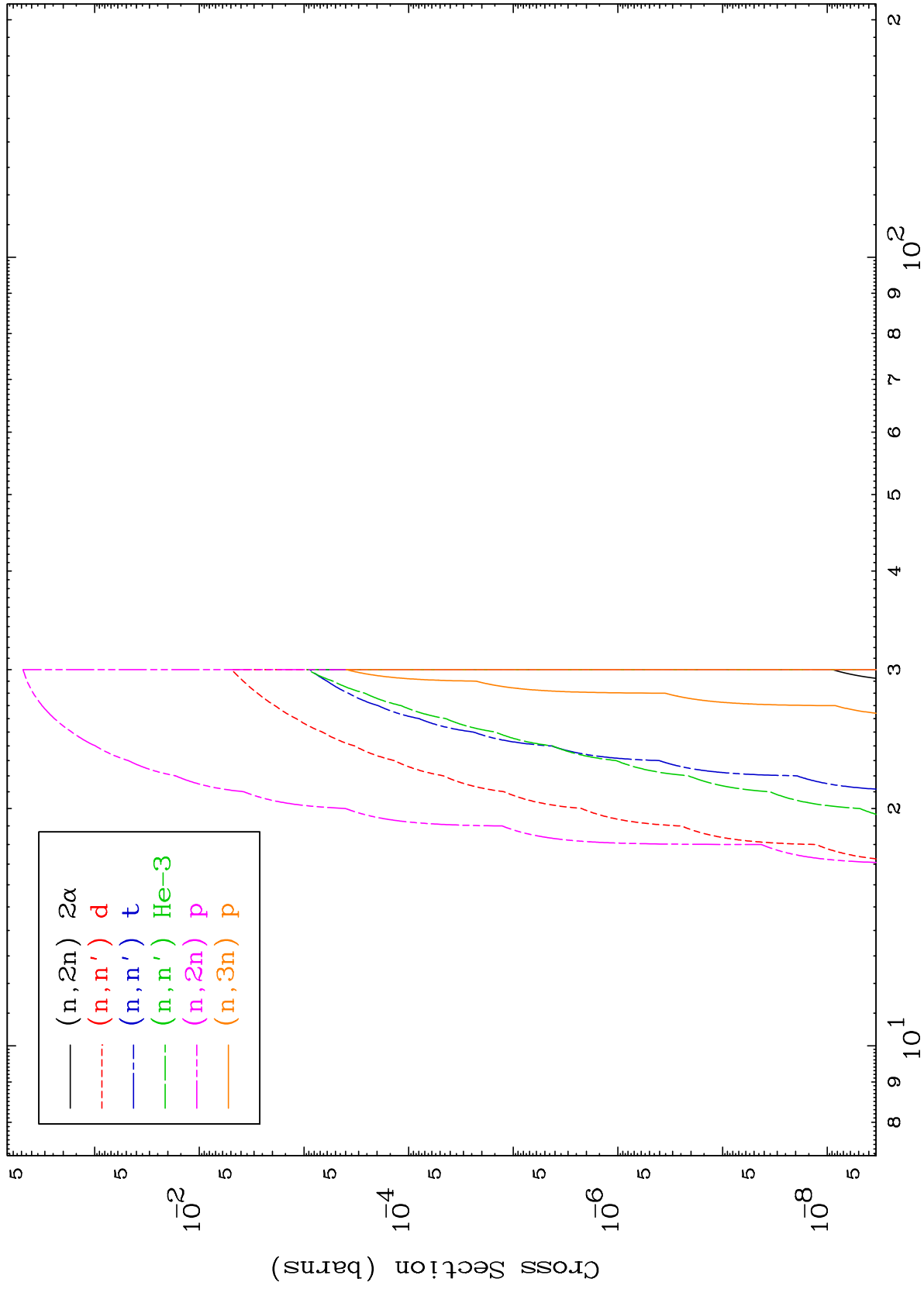
2

64-Gd-142

MAT 6395

Neutron Production
293 Kelvin Cross Sections

64-Gd-142



3

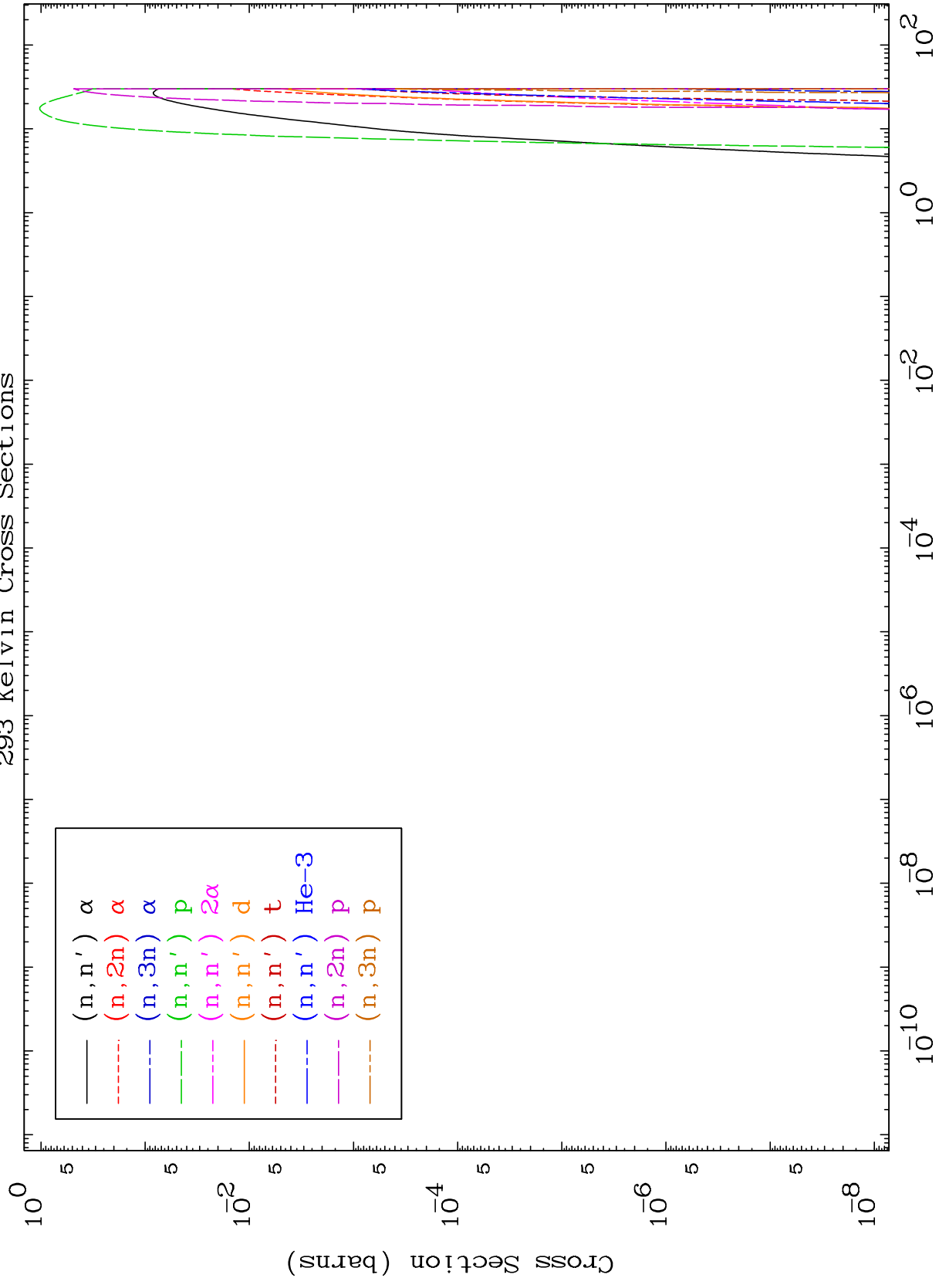
Incident Energy (MeV)

64-Gd-142

MAT 6395

293 Kelvin Cross Sections

64-Gd-142

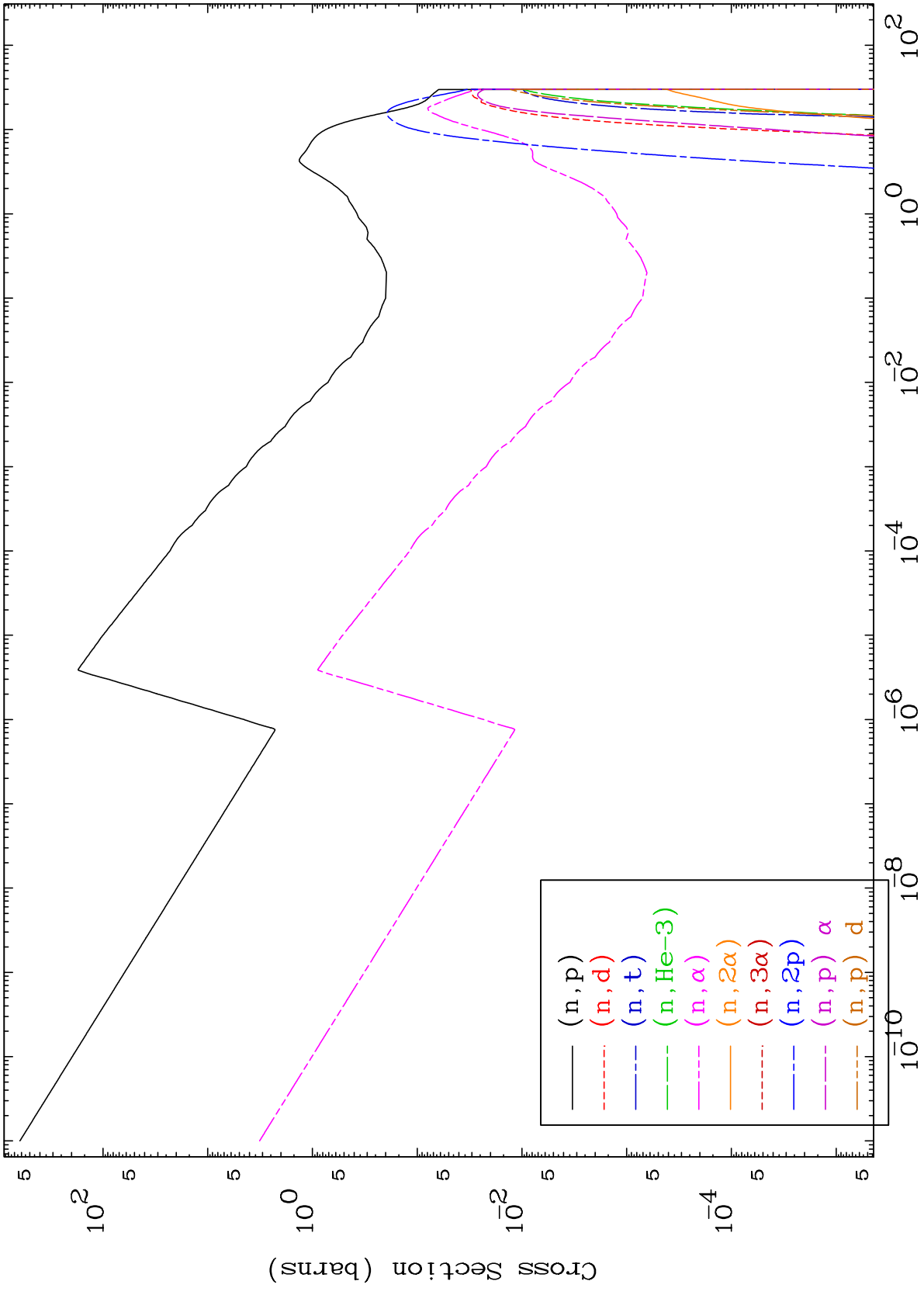


64-Gd-142

MAT 6395

293 Kelvin Cross Sections

64-Gd-142

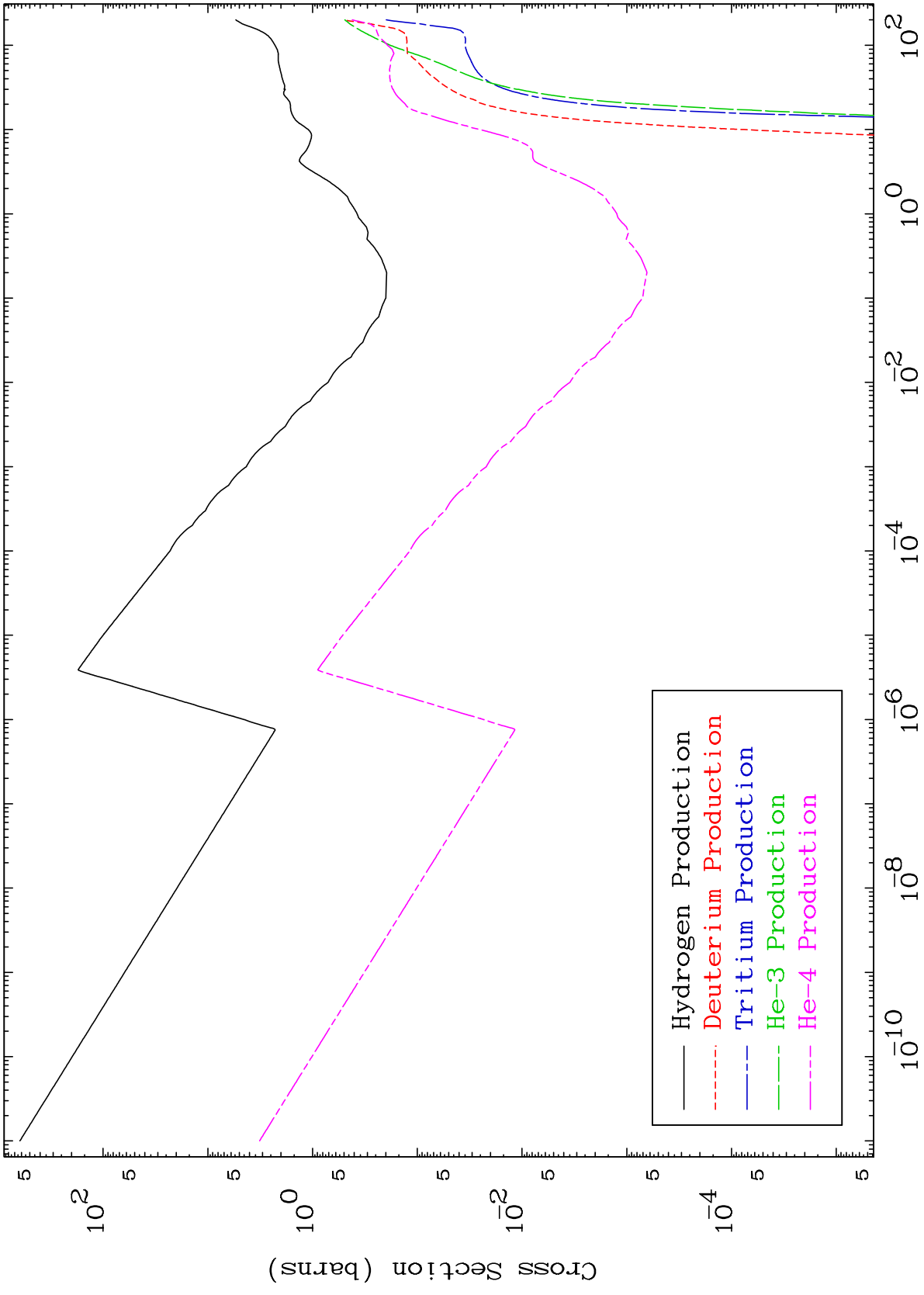


64-Gd-142

MAT 6395

Particle Production
293 Kelvin Cross Sections

64-Gd-142

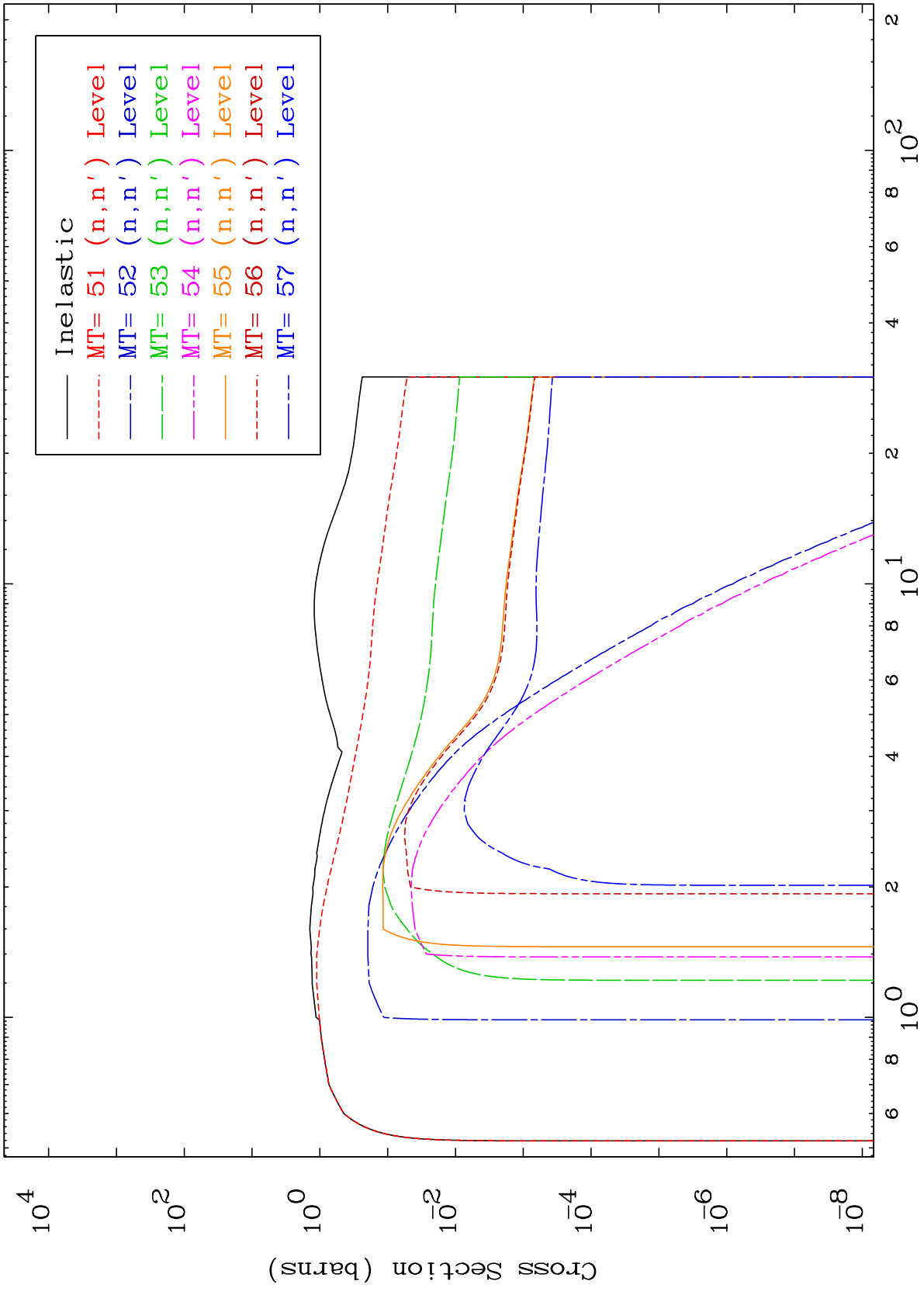


MAT 6395

(n,n') Level

64-Gd-142

293 Kelvin Cross Sections



7

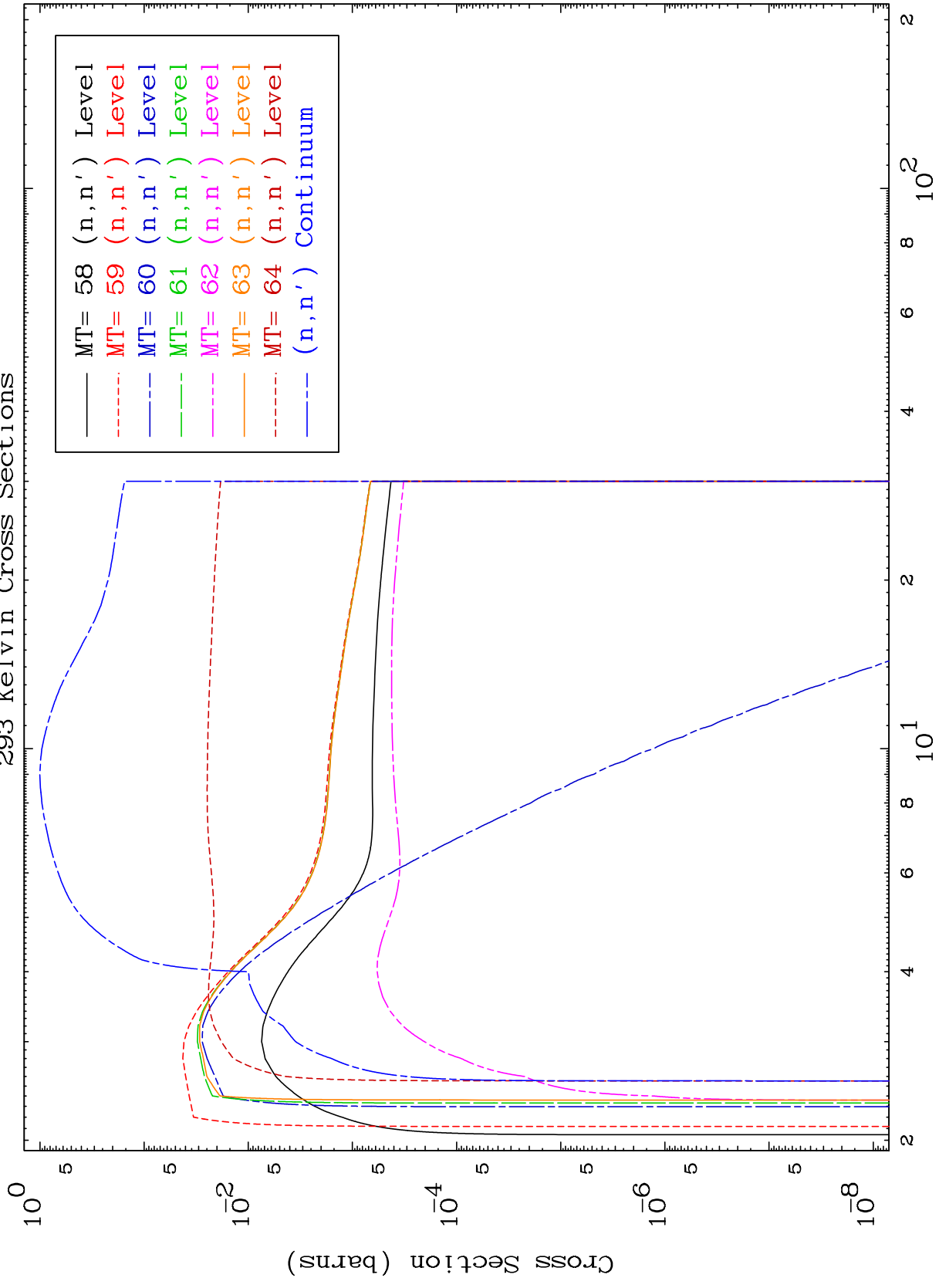
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,n') Level
293 Kelvin Cross Sections

64-Gd-142



8

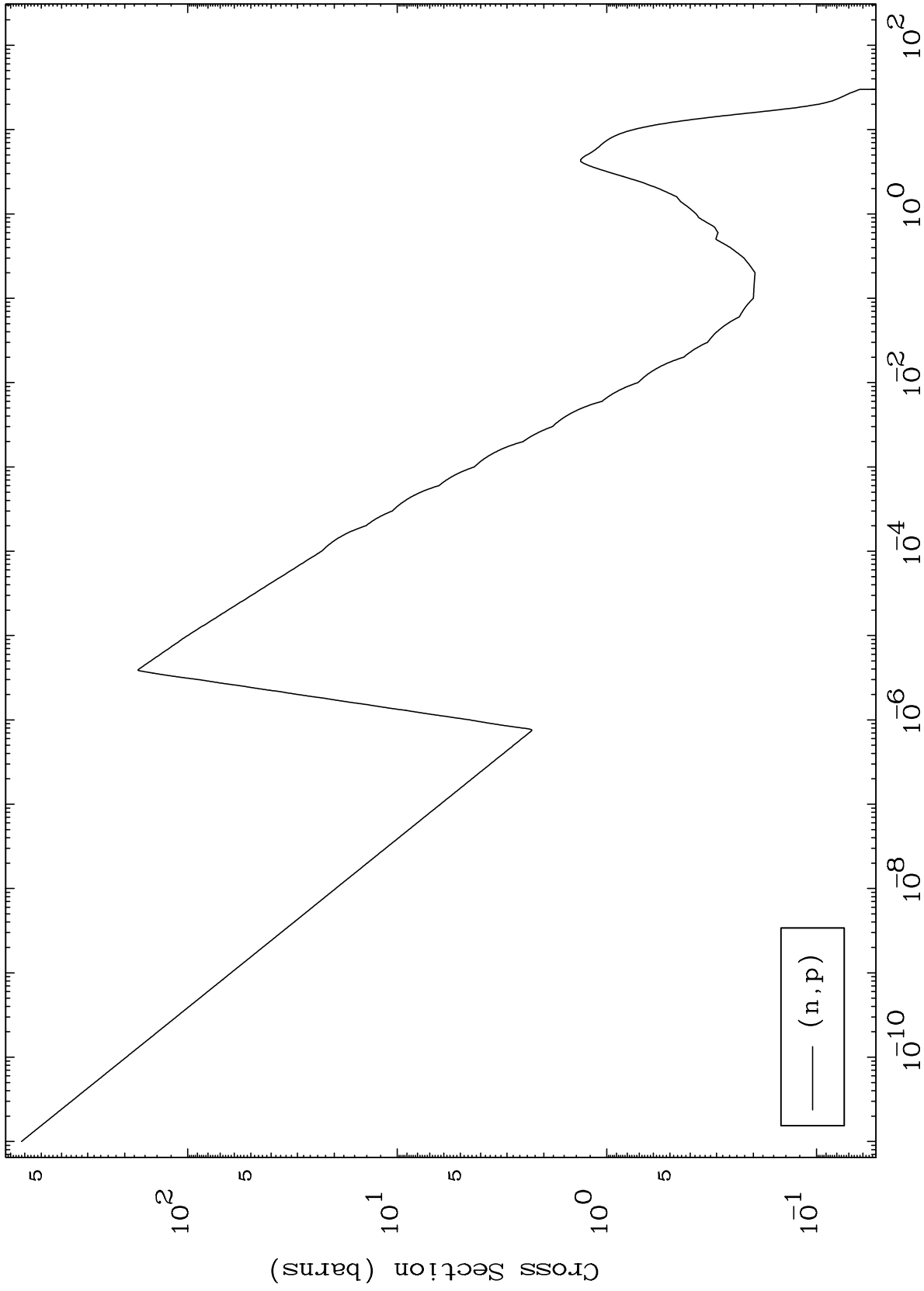
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,p) Levels
293 Kelvin Cross Sections

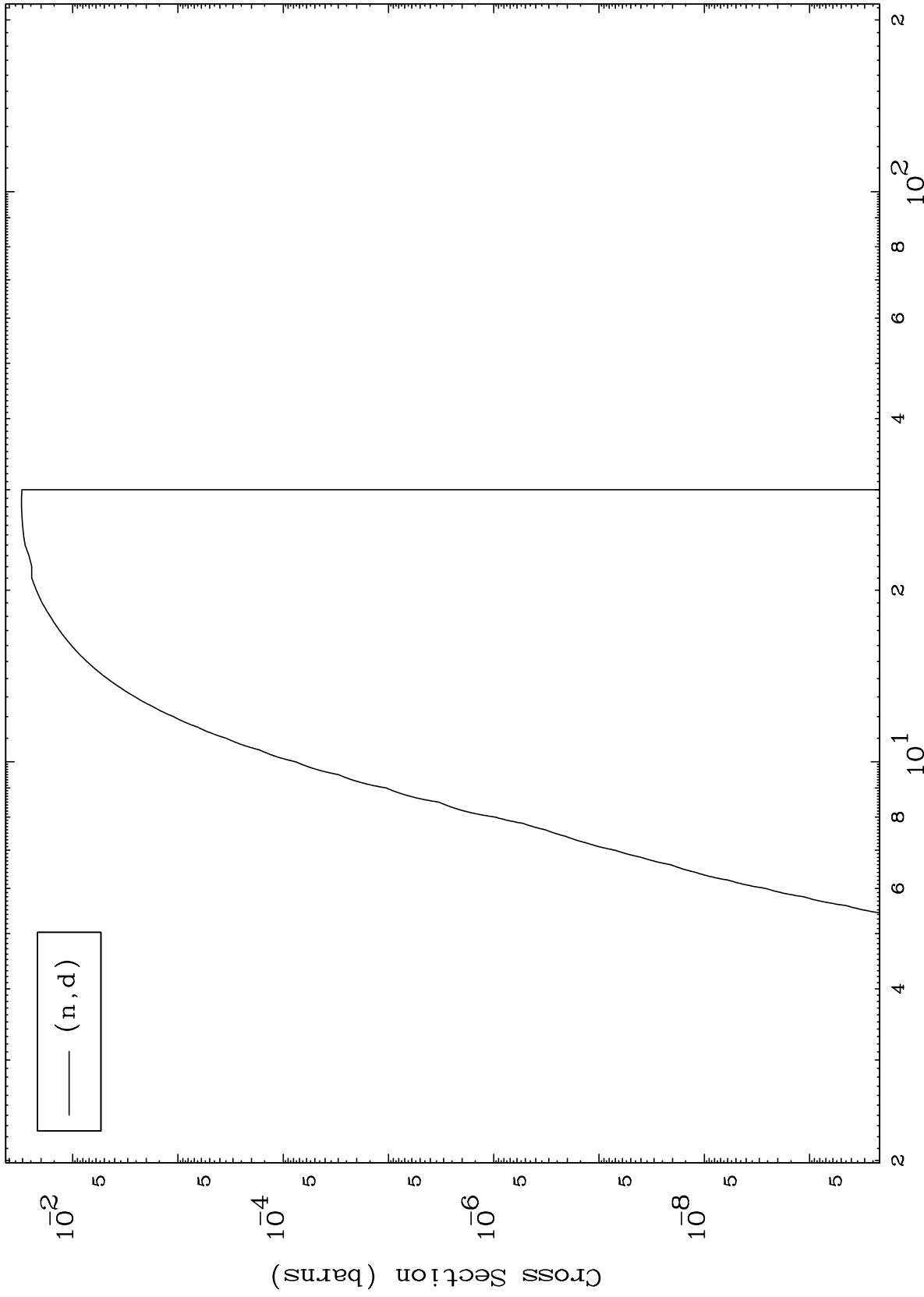
64-Gd-142



MAT 6395

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-142



10

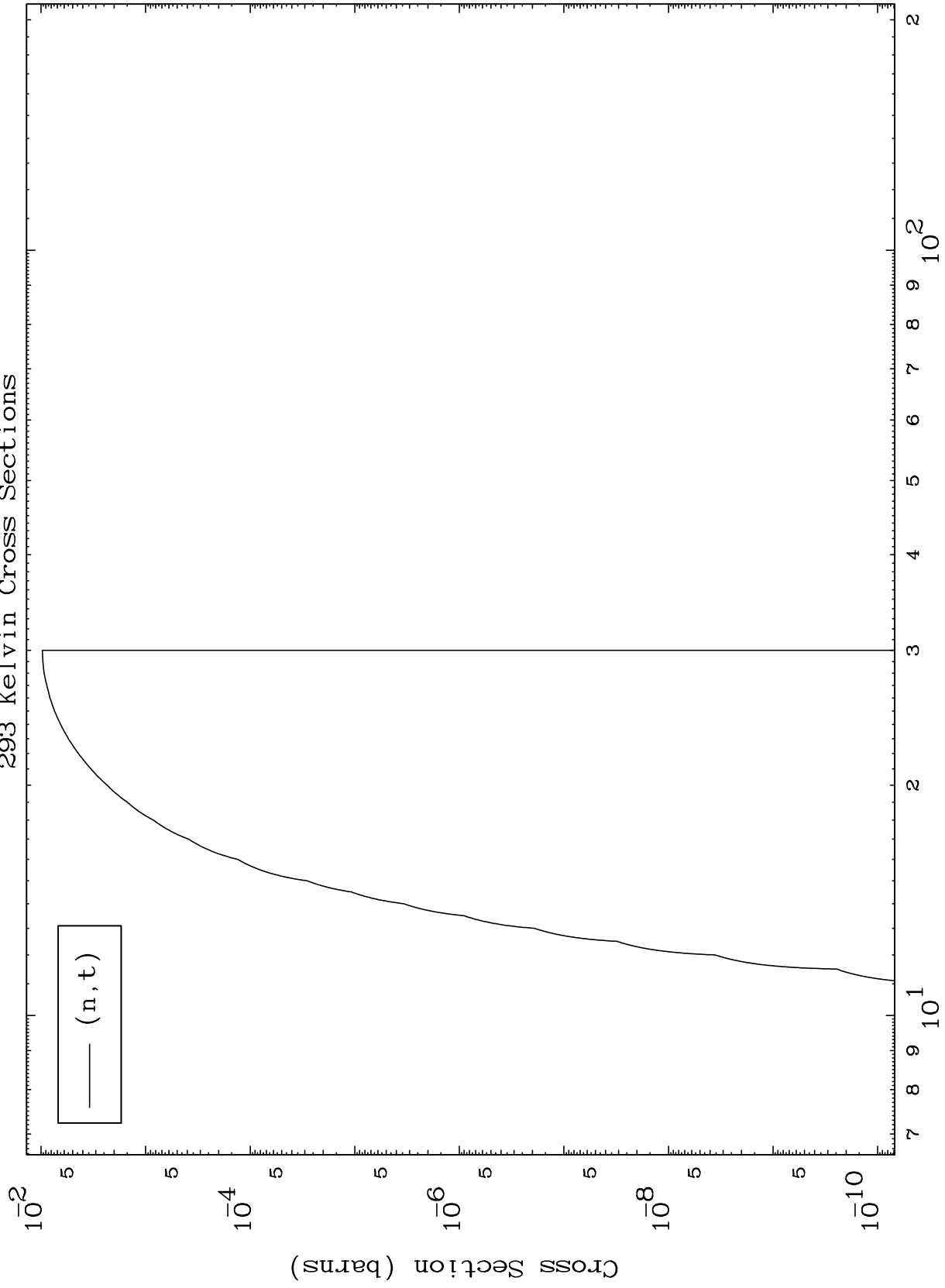
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-142



11

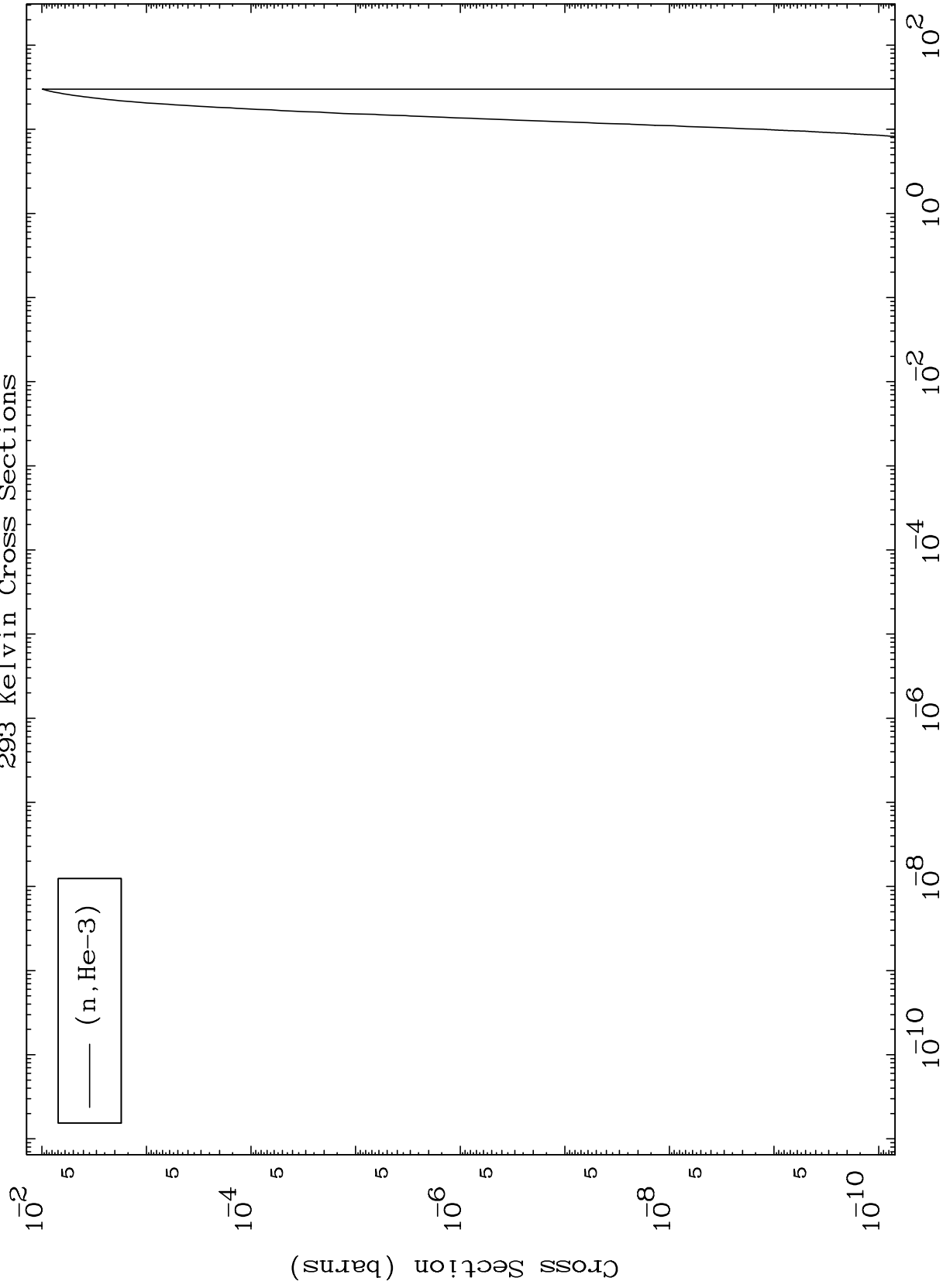
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-142



12

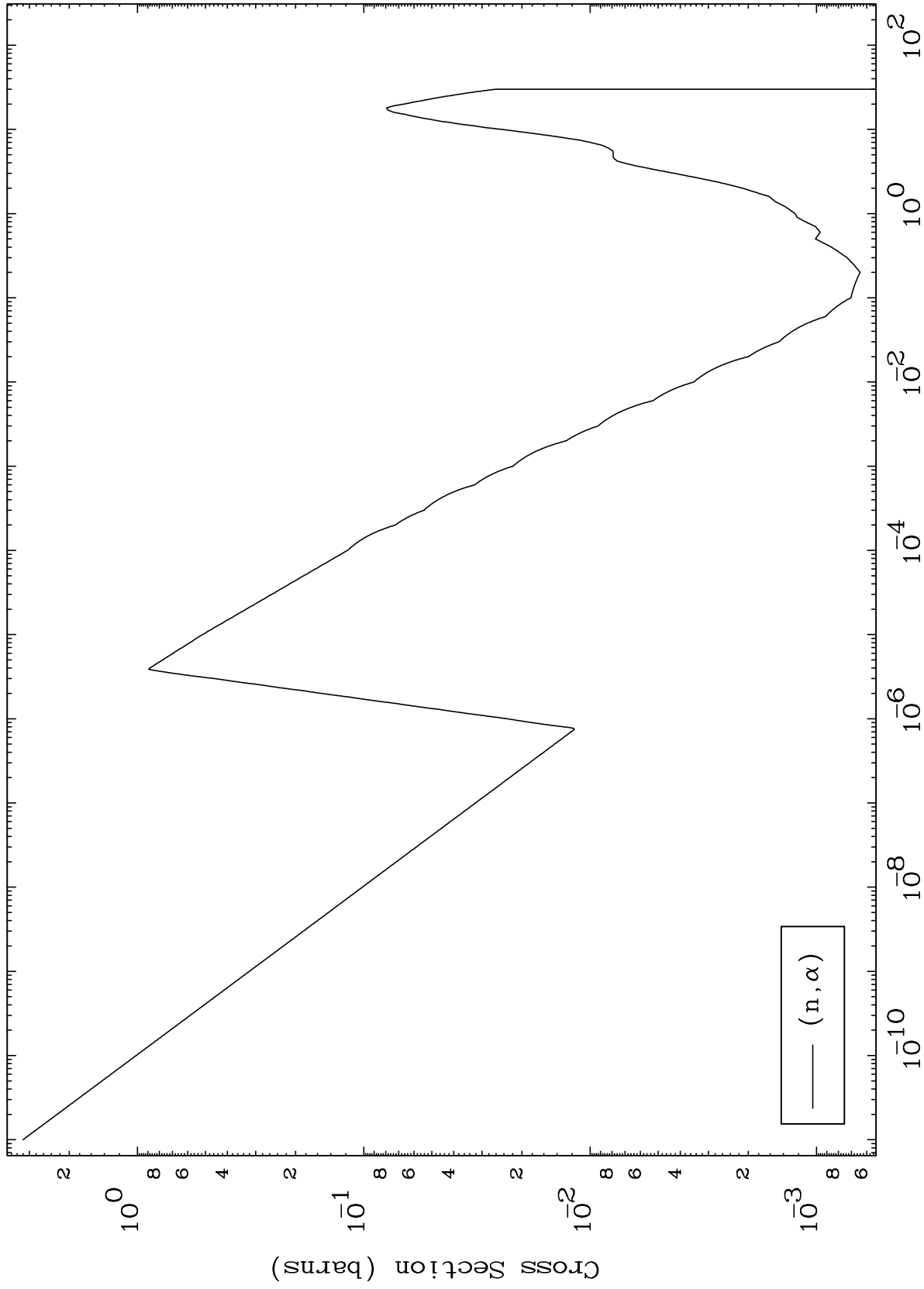
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,α) Levels
293 Kelvin Cross Sections

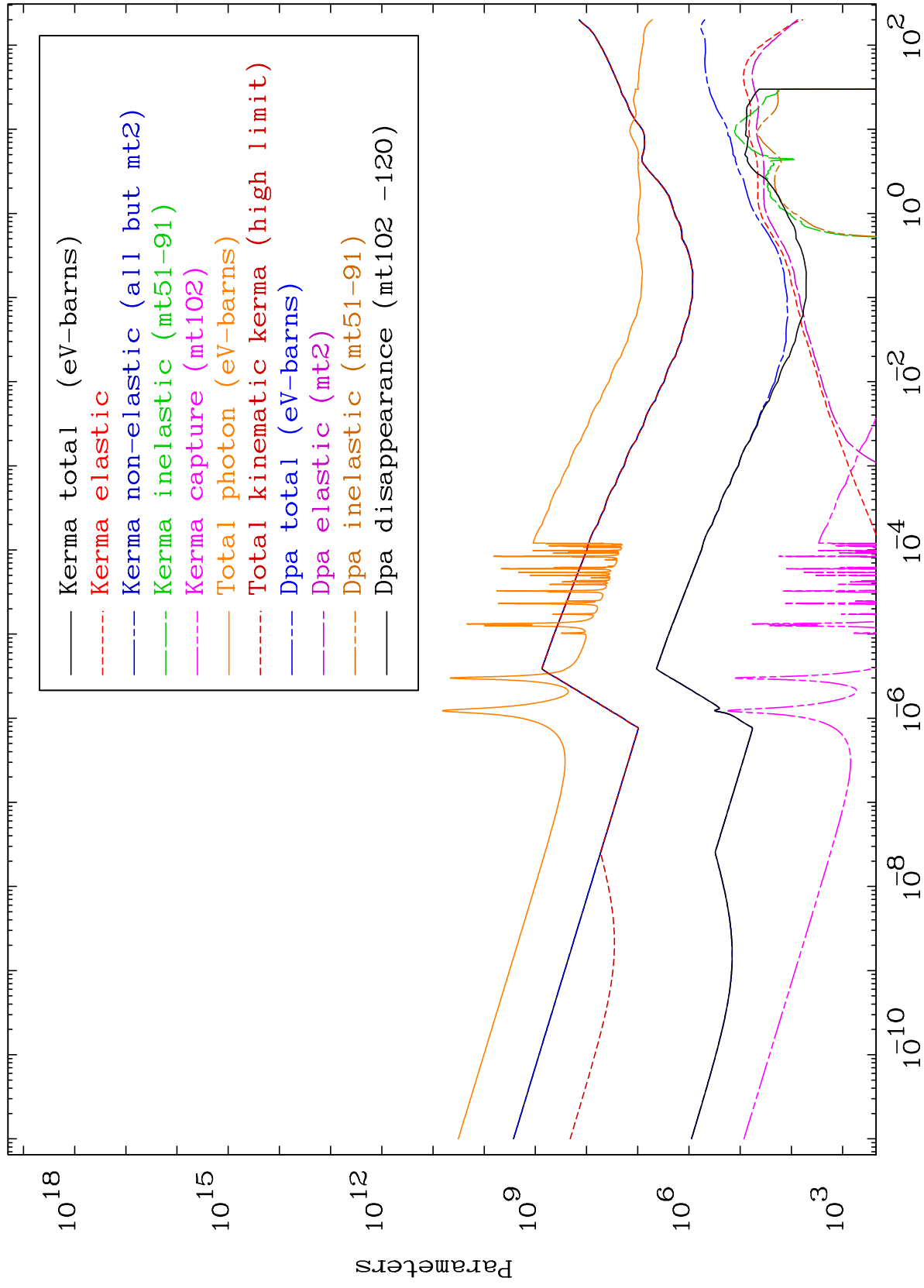
64-Gd-142



13

Incident Energy (MeV)

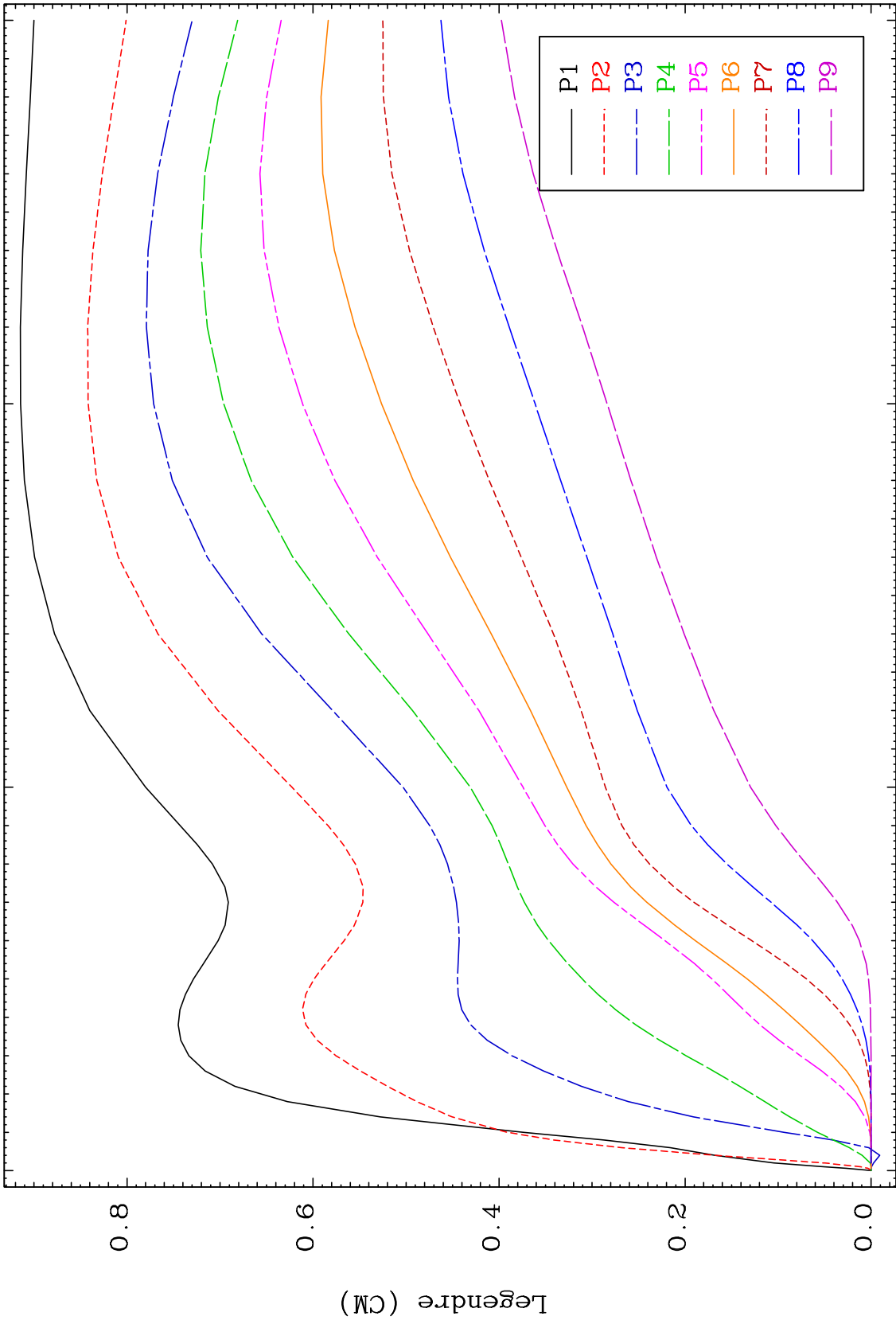
64-Gd-142



MAT 6395

Elastic Legendre Coefficients

64-Gd-142



64-Gd-142

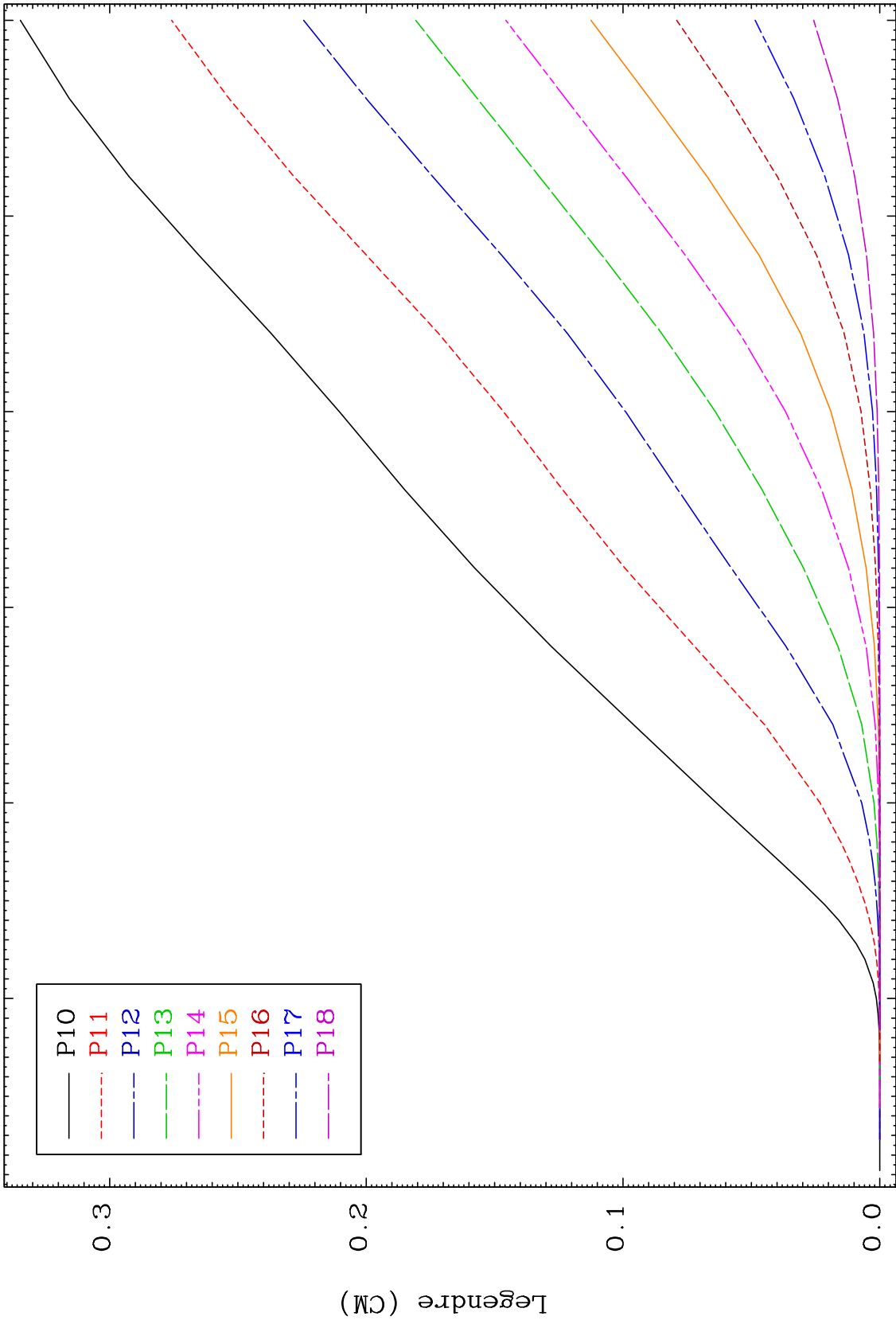
Incident Energy (MeV)

15

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



16

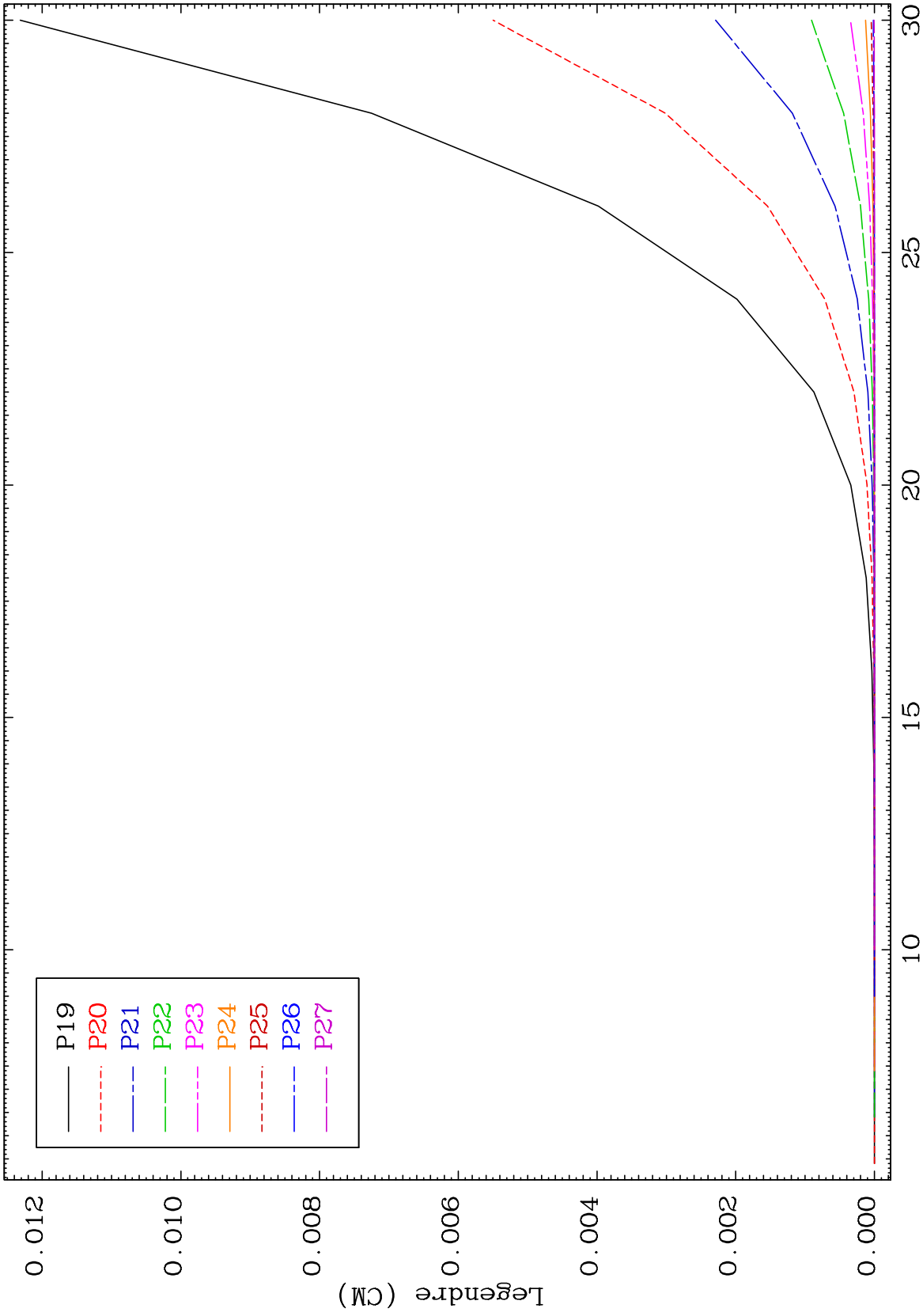
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



17

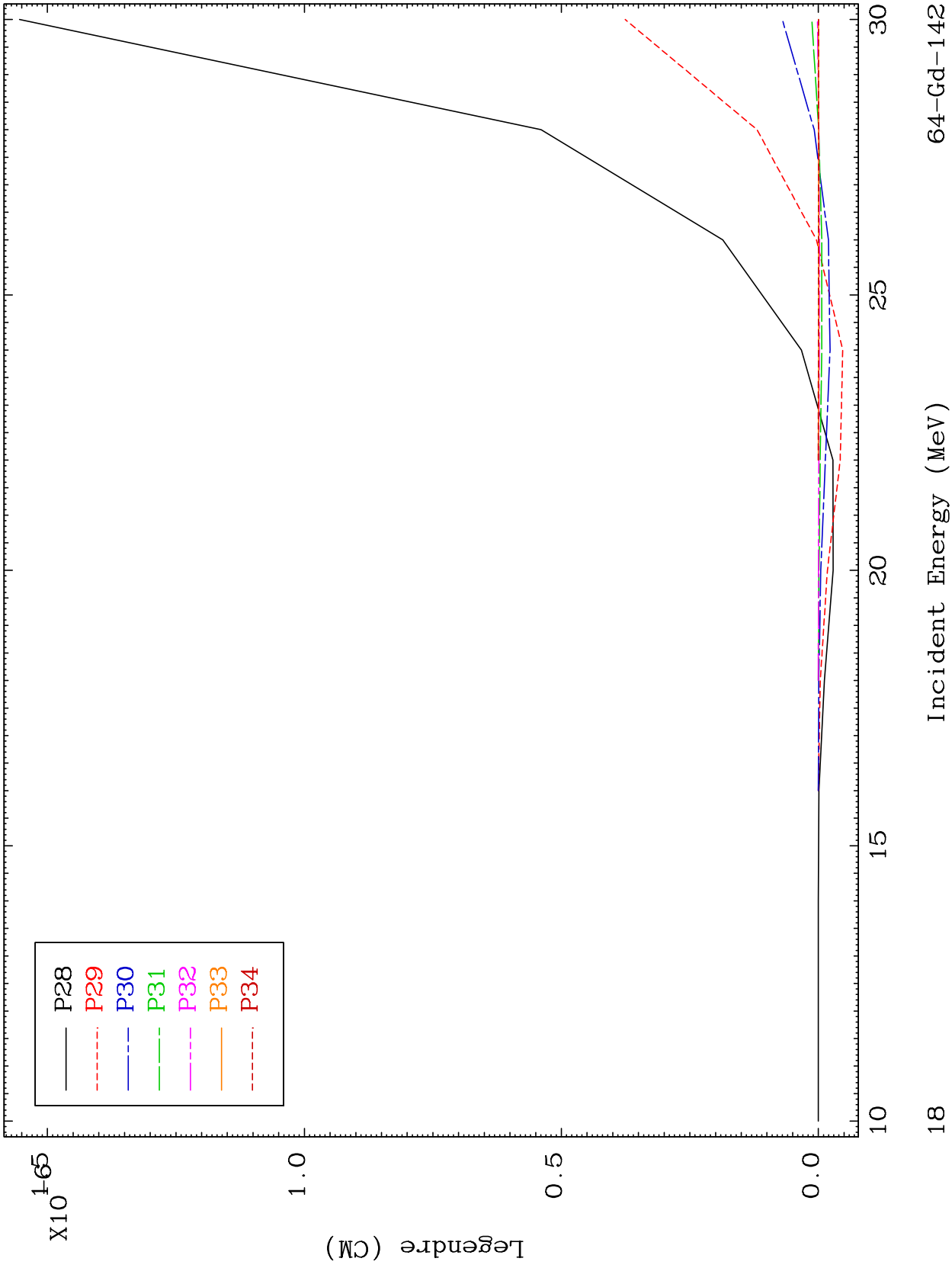
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



18

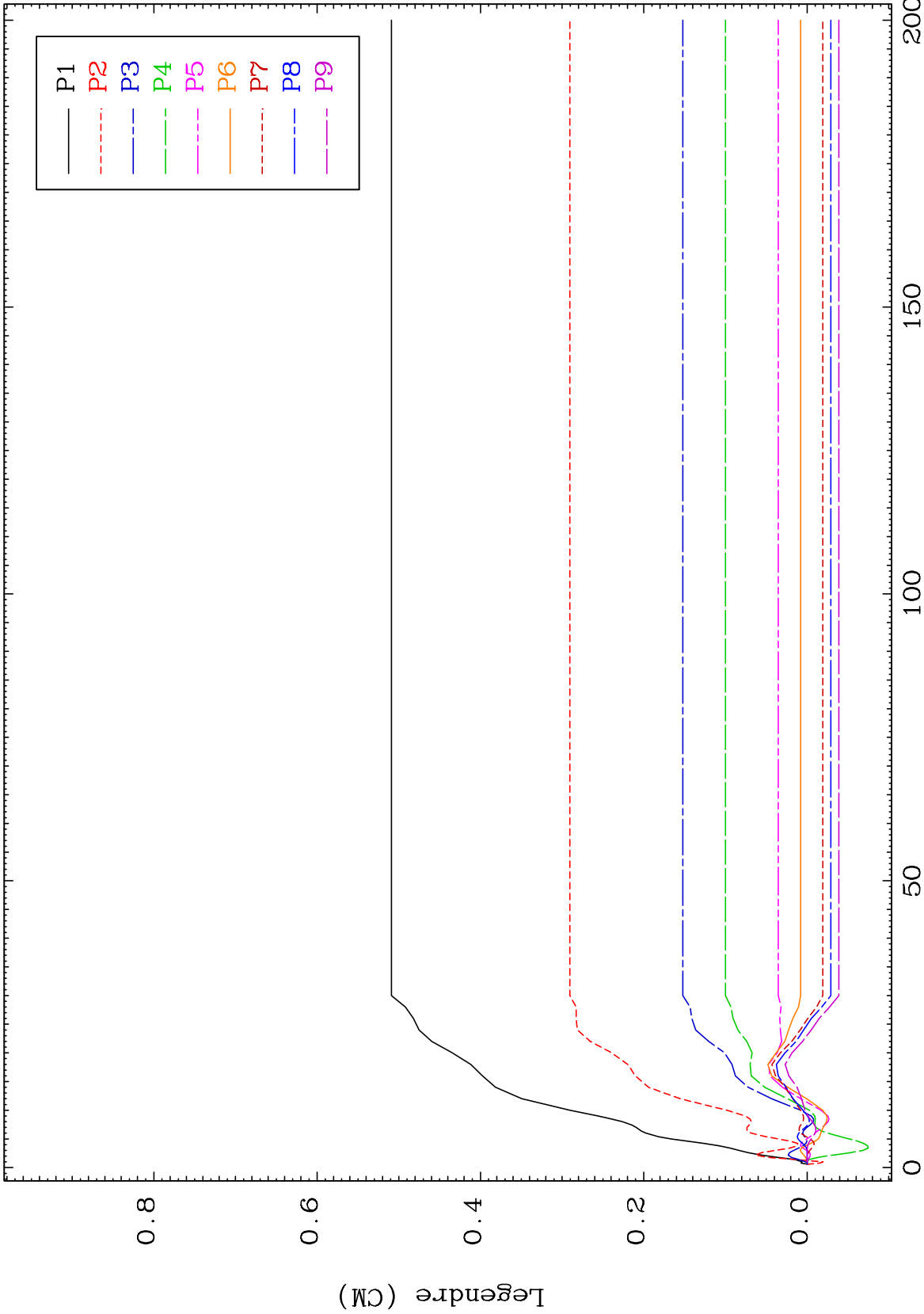
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



19

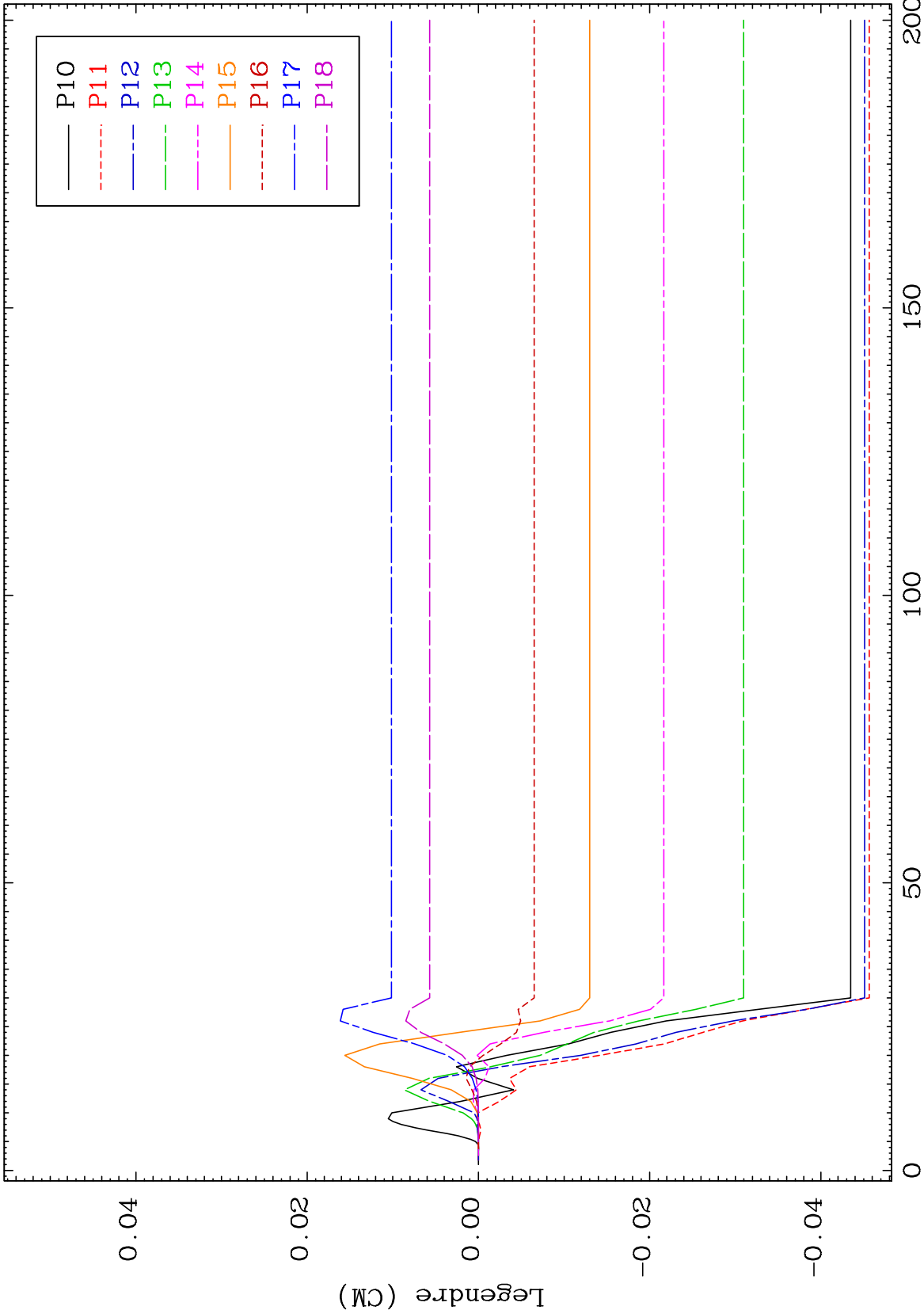
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



0

20

50

100

150

200

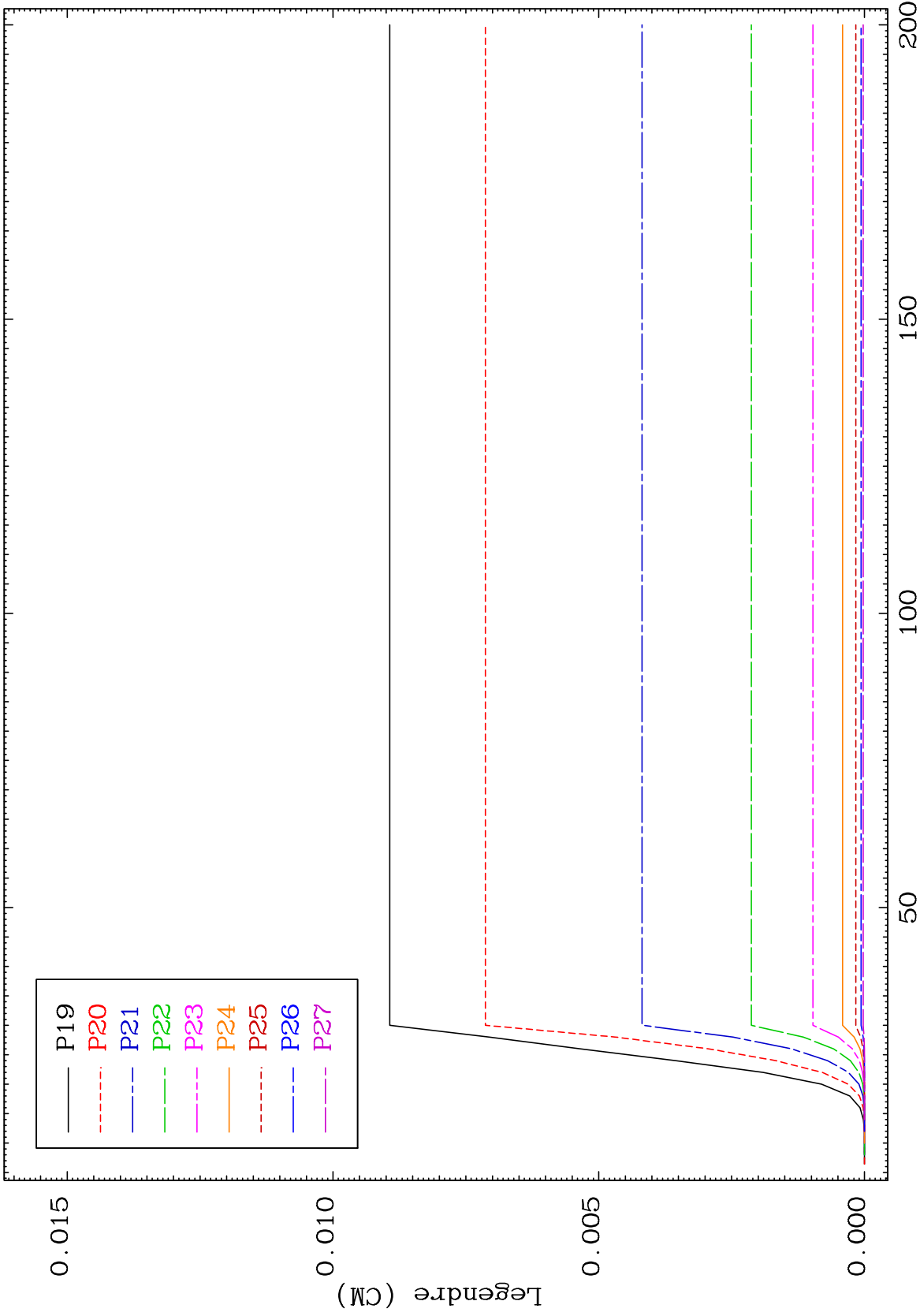
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



21

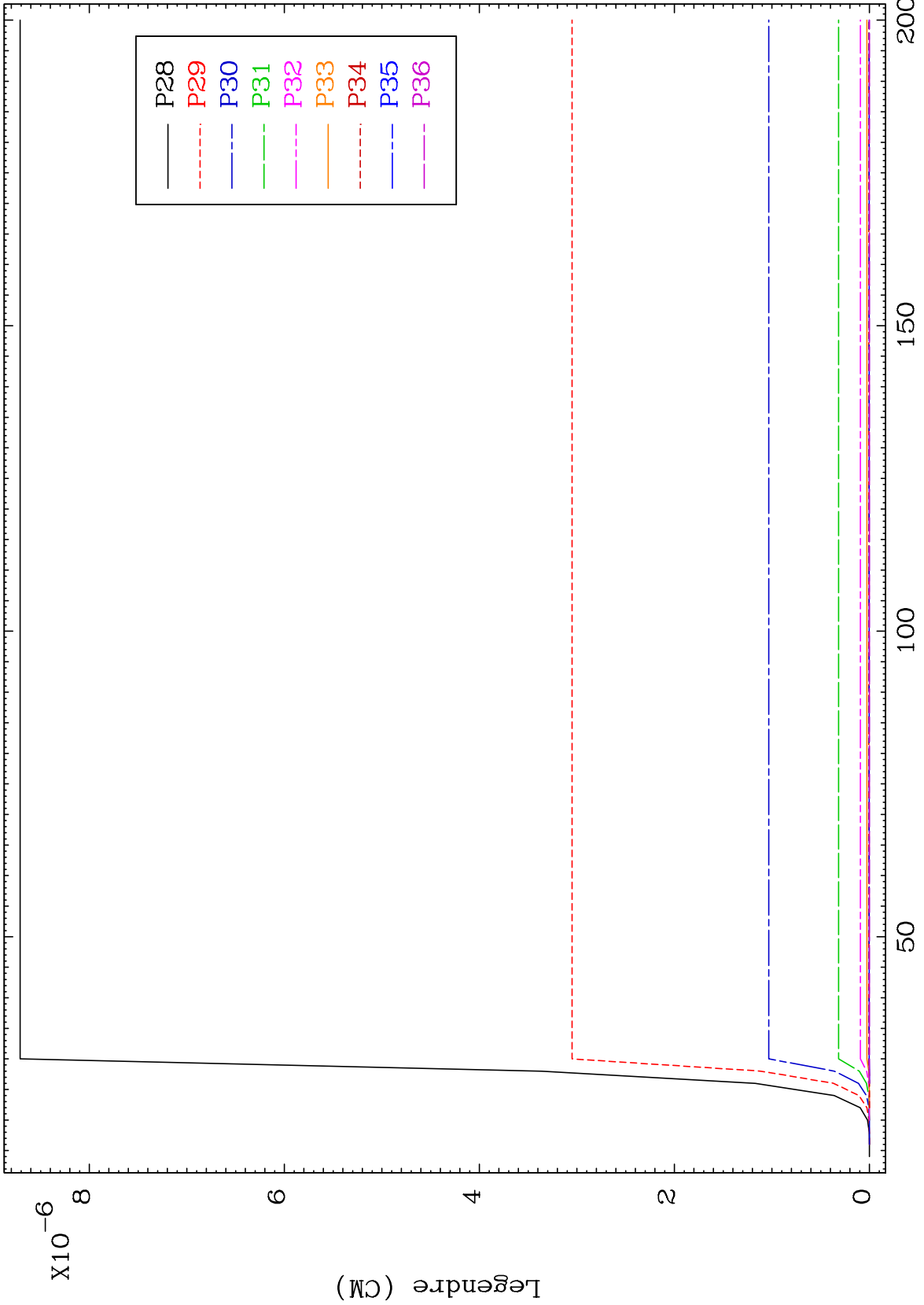
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142

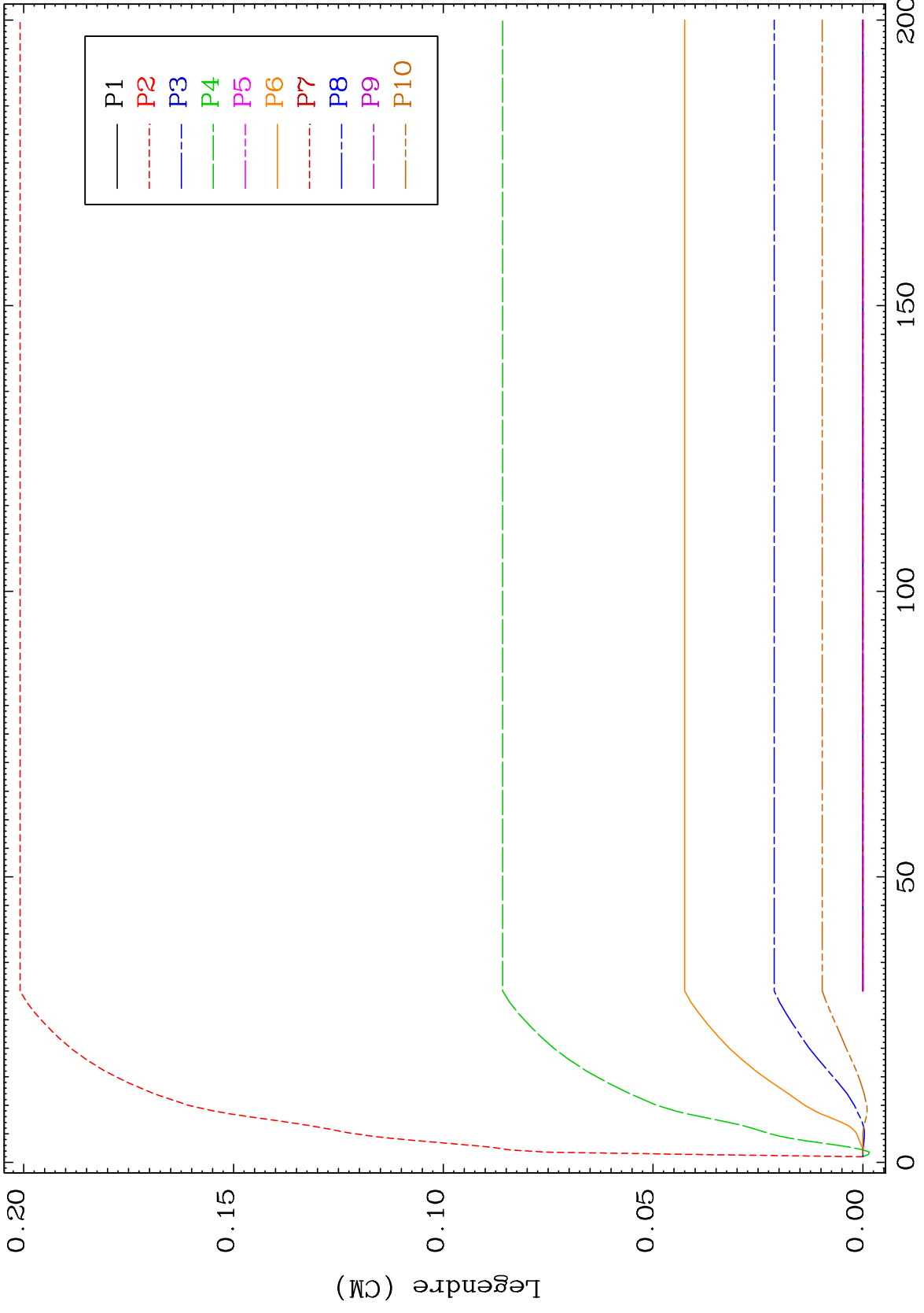


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Incident Energy (MeV)

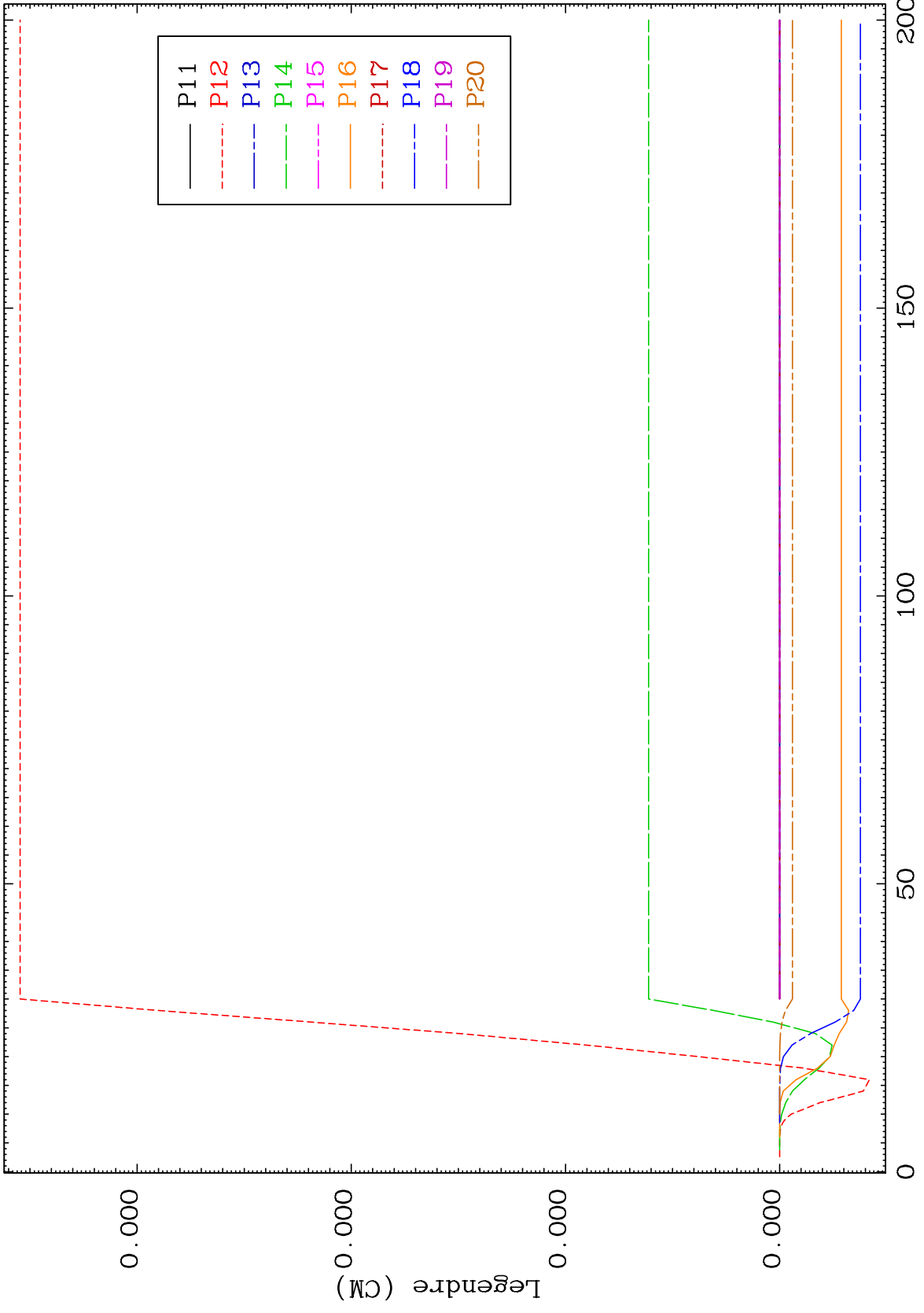
64-Gd-142

MAT 6395 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-142

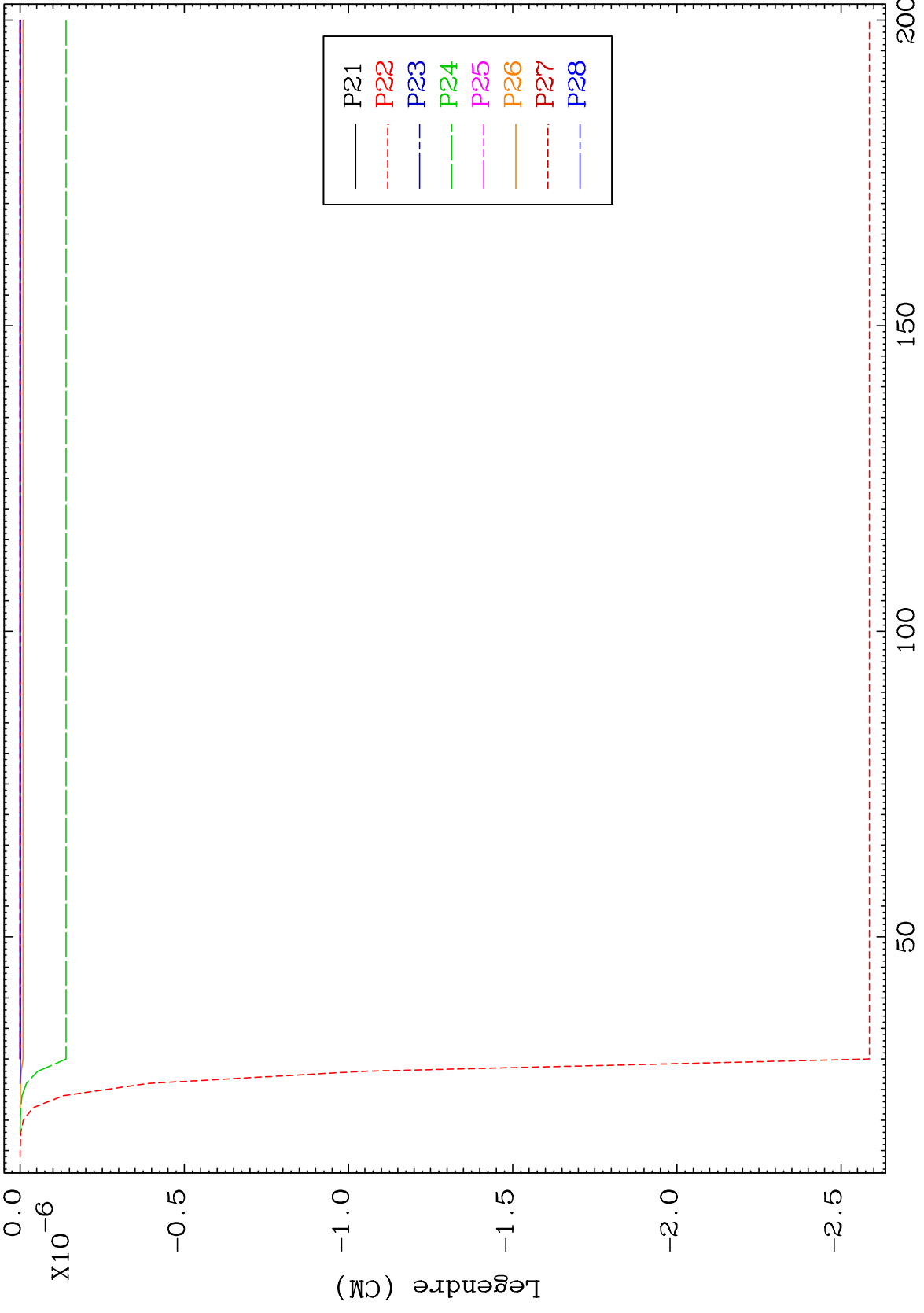


23 64-Gd-142 Incident Energy (MeV)

MAT 6395 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-142



MAT 6395 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-142

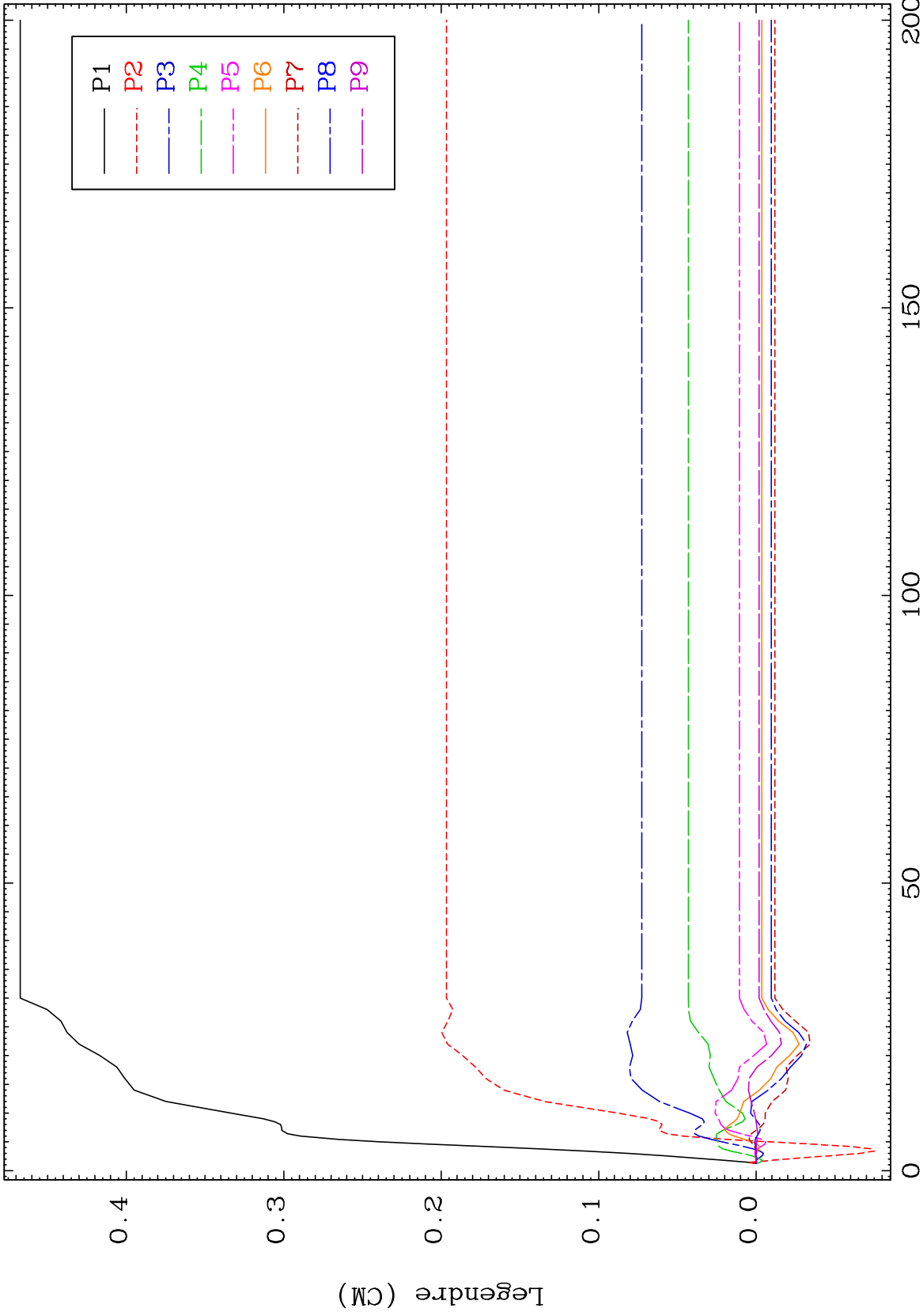


25 Incident Energy (MeV) 64-Gd-142

MAT 6395

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

64-Gd-142



26

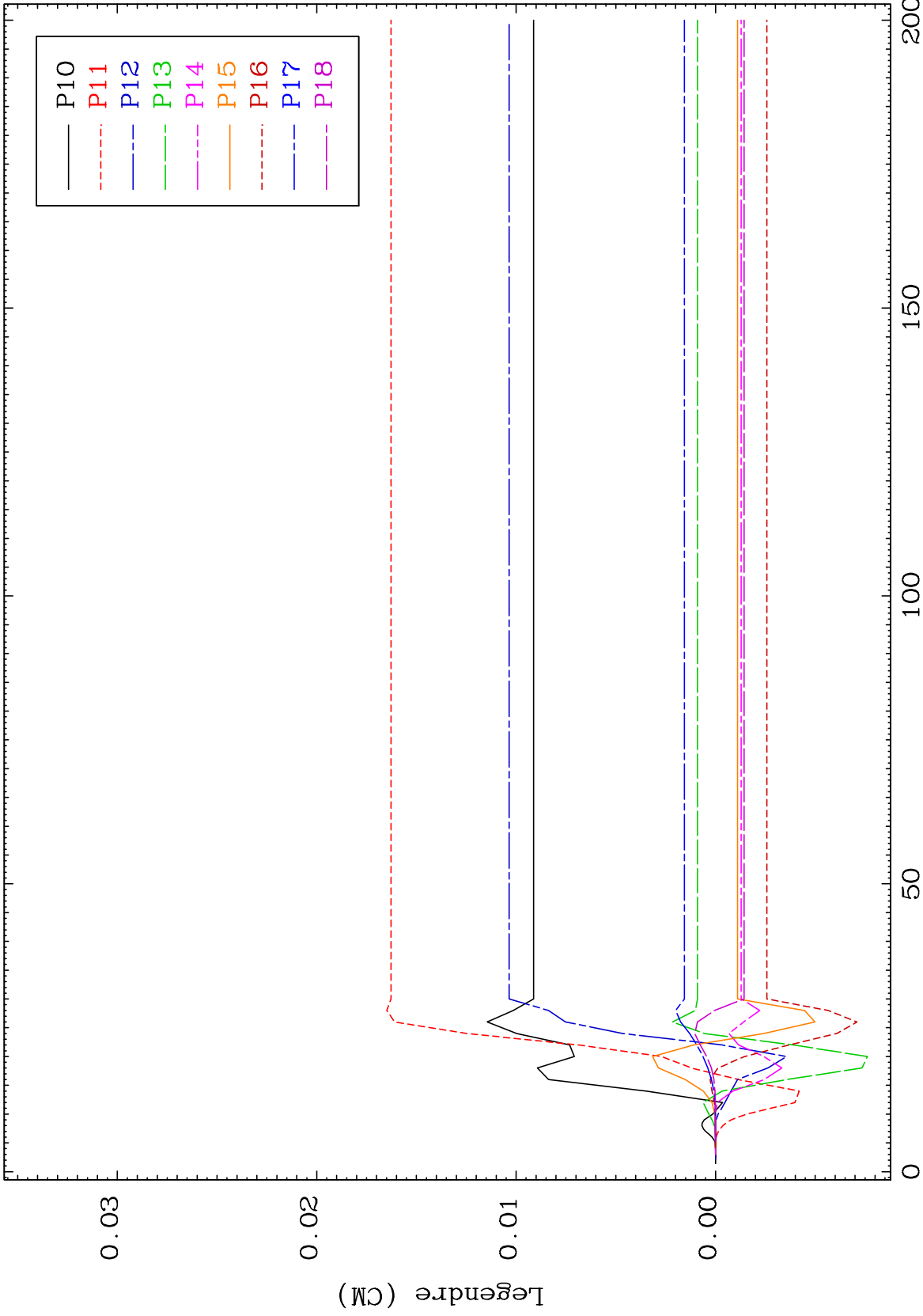
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



27

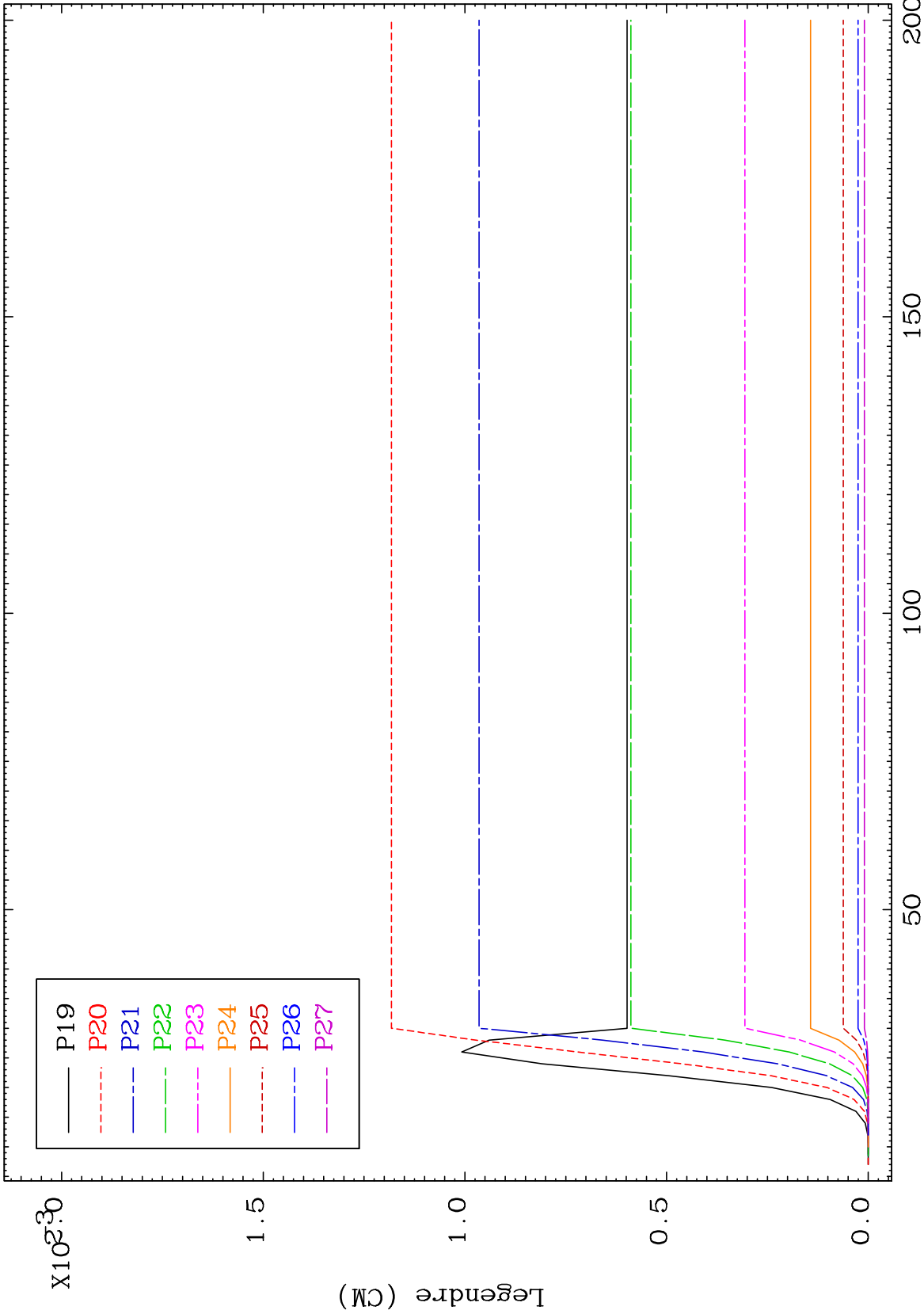
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



28

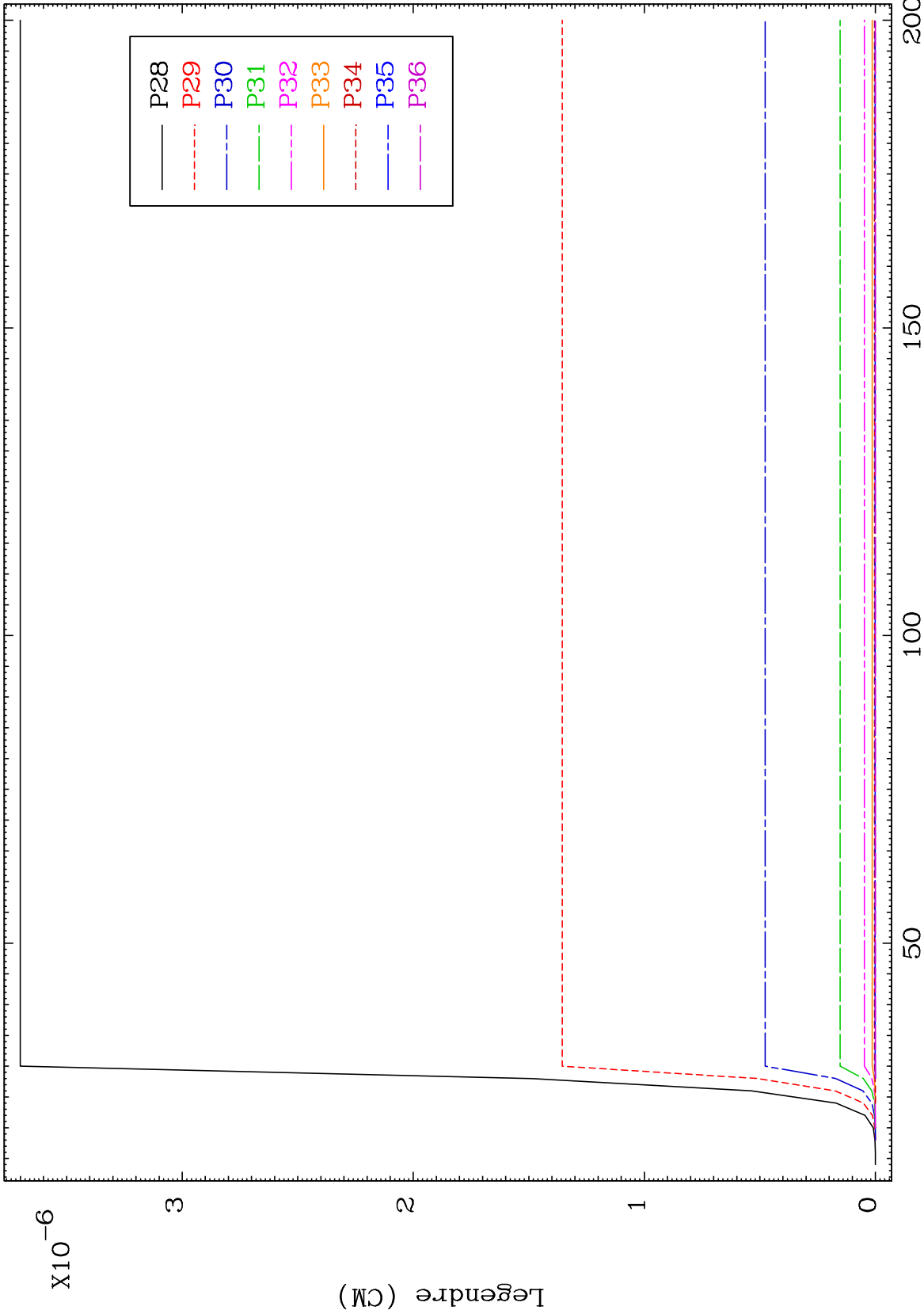
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

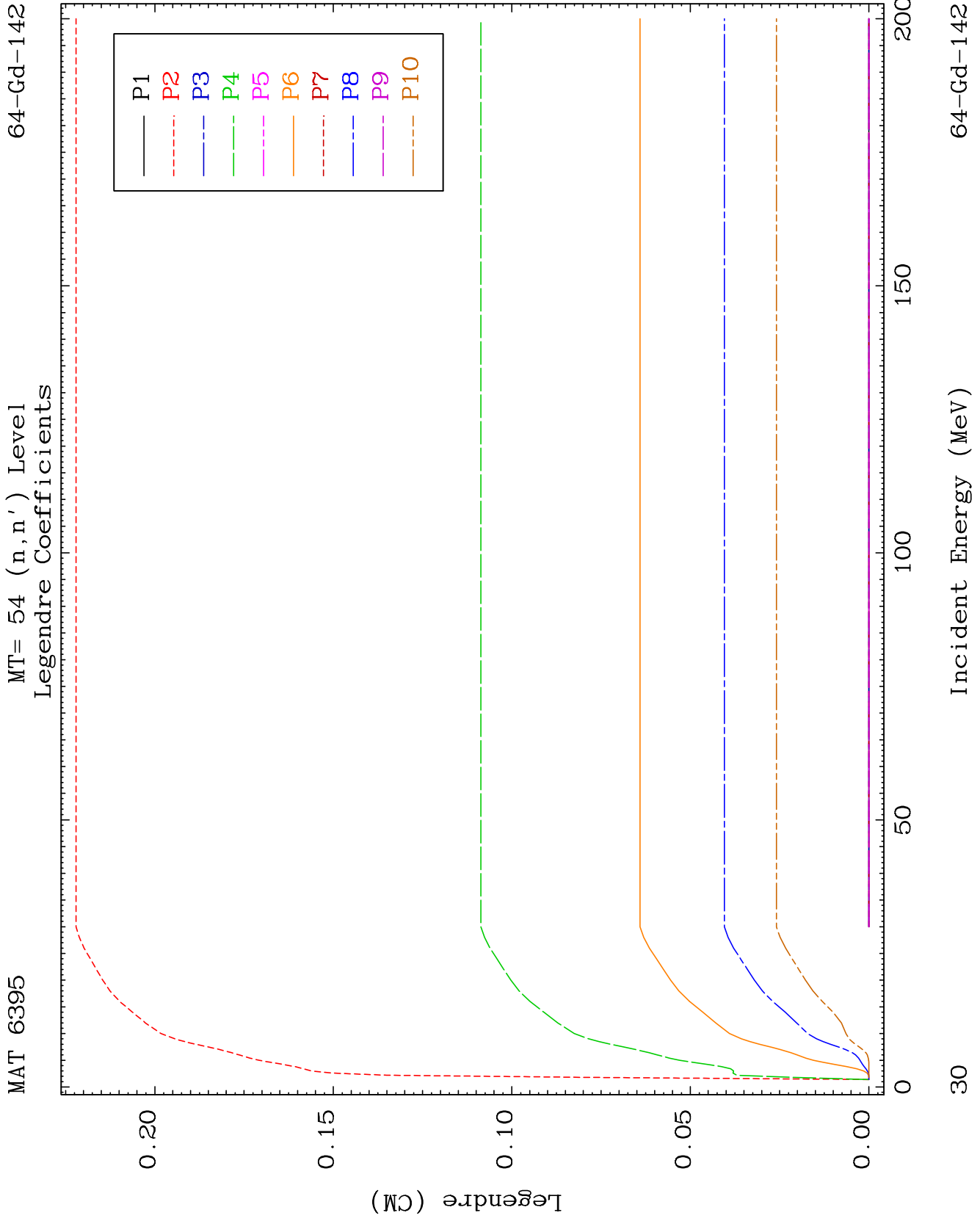
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29

Incident Energy (MeV)

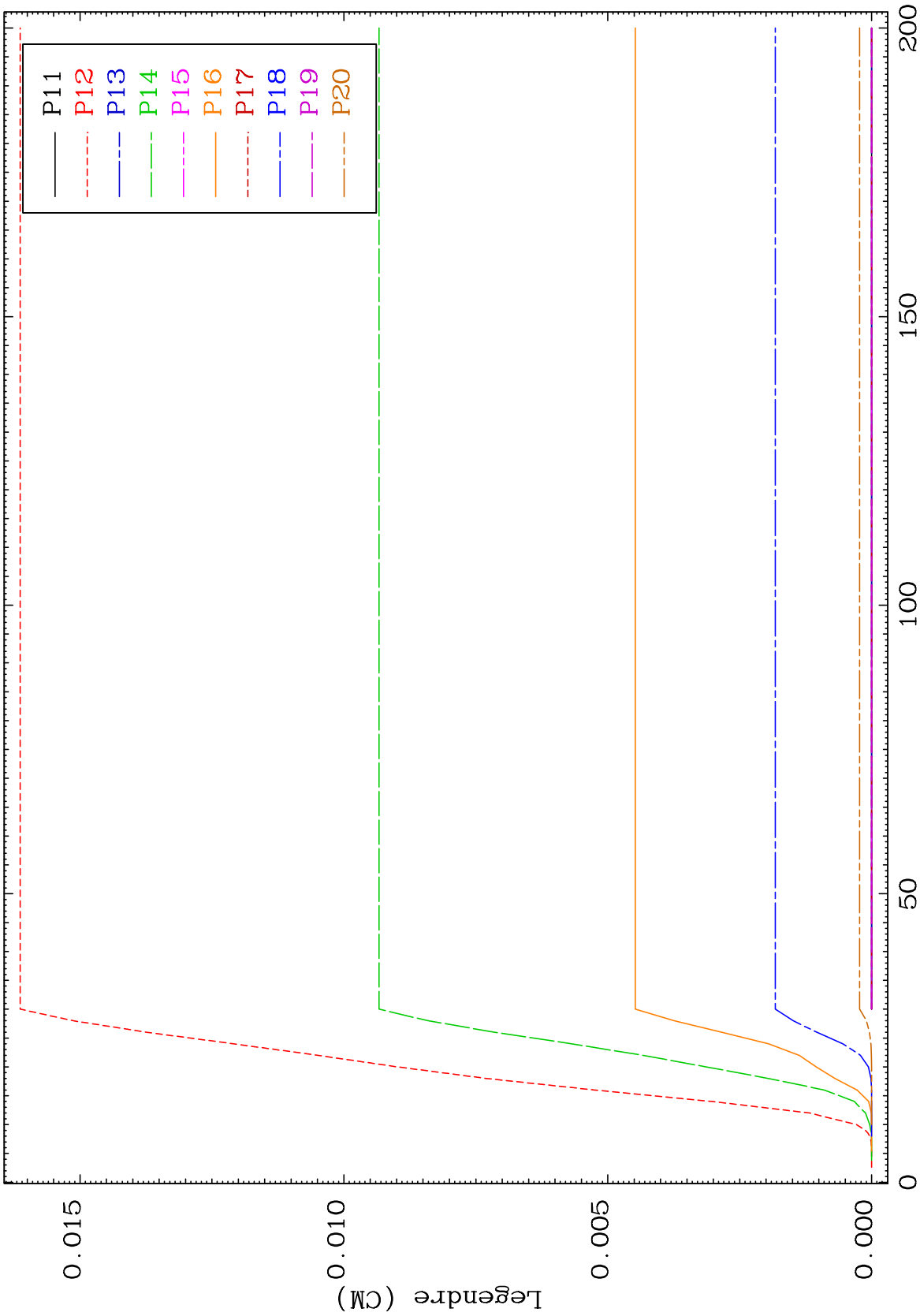
64-Gd-142



MAT 6395

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

64-Gd-142

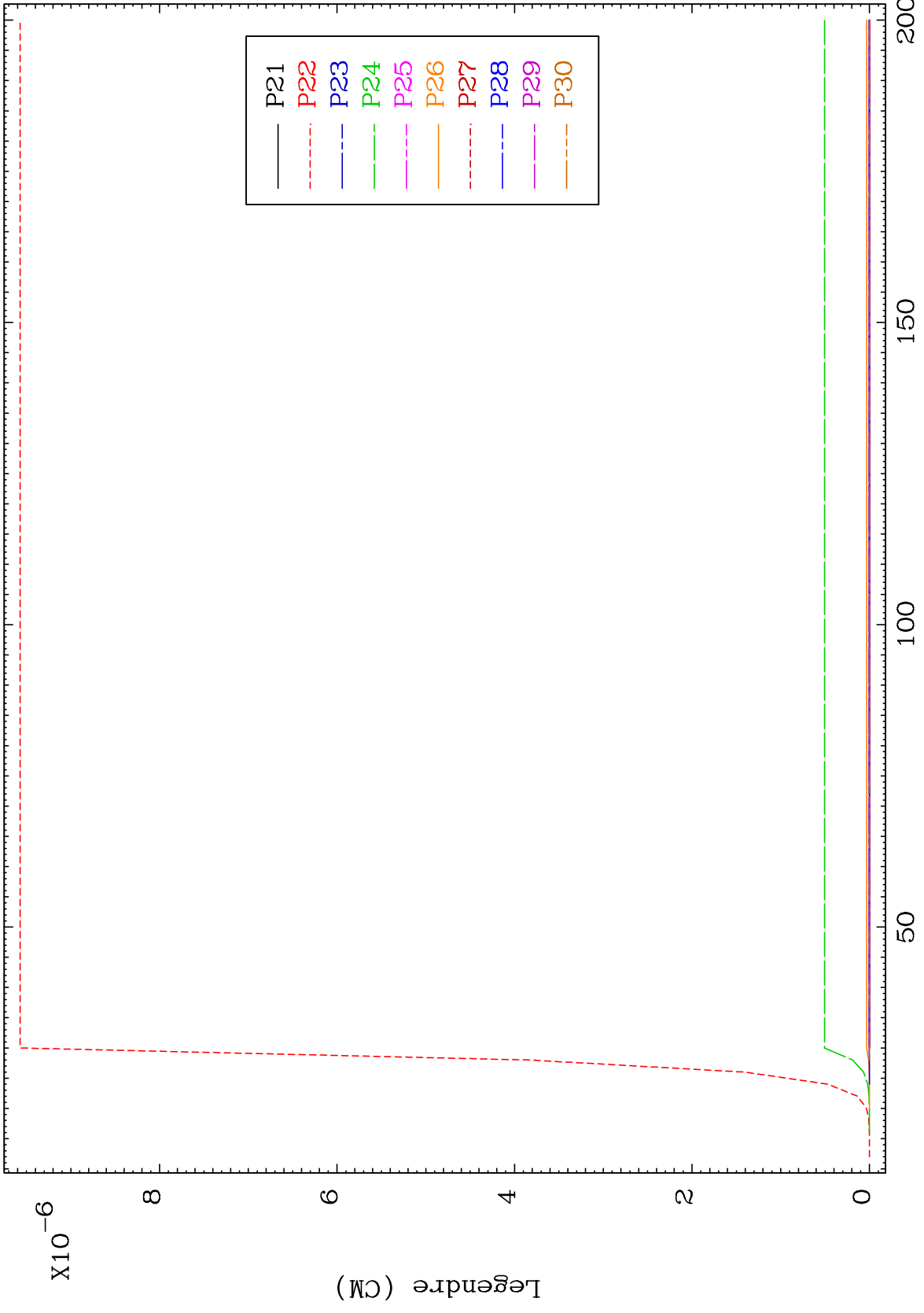


31

Incident Energy (MeV)

64-Gd-142

MAT 6395 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-142

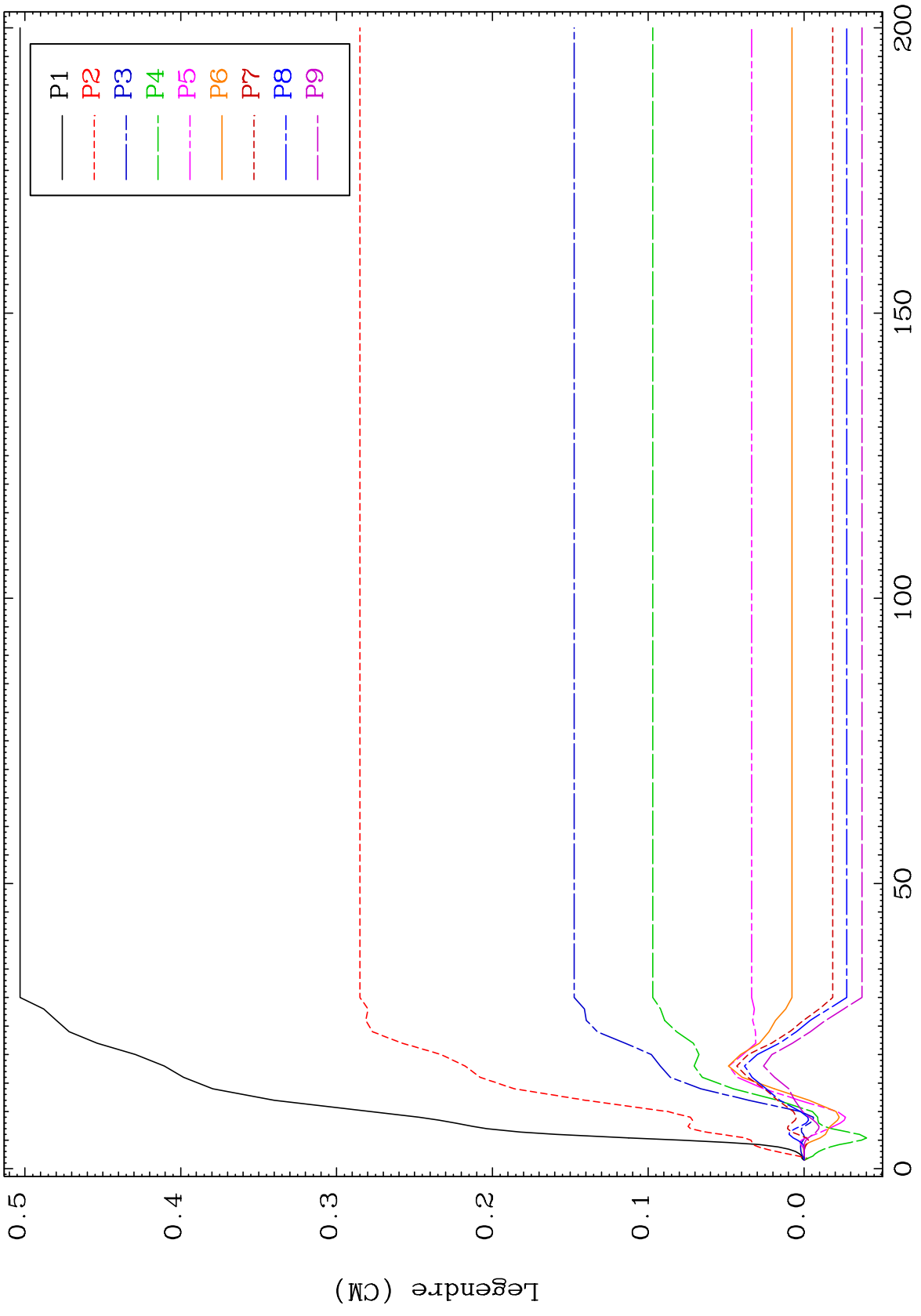


32 50 100 150 200 64-Gd-142

MAT 6395

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

64-Gd-142



33

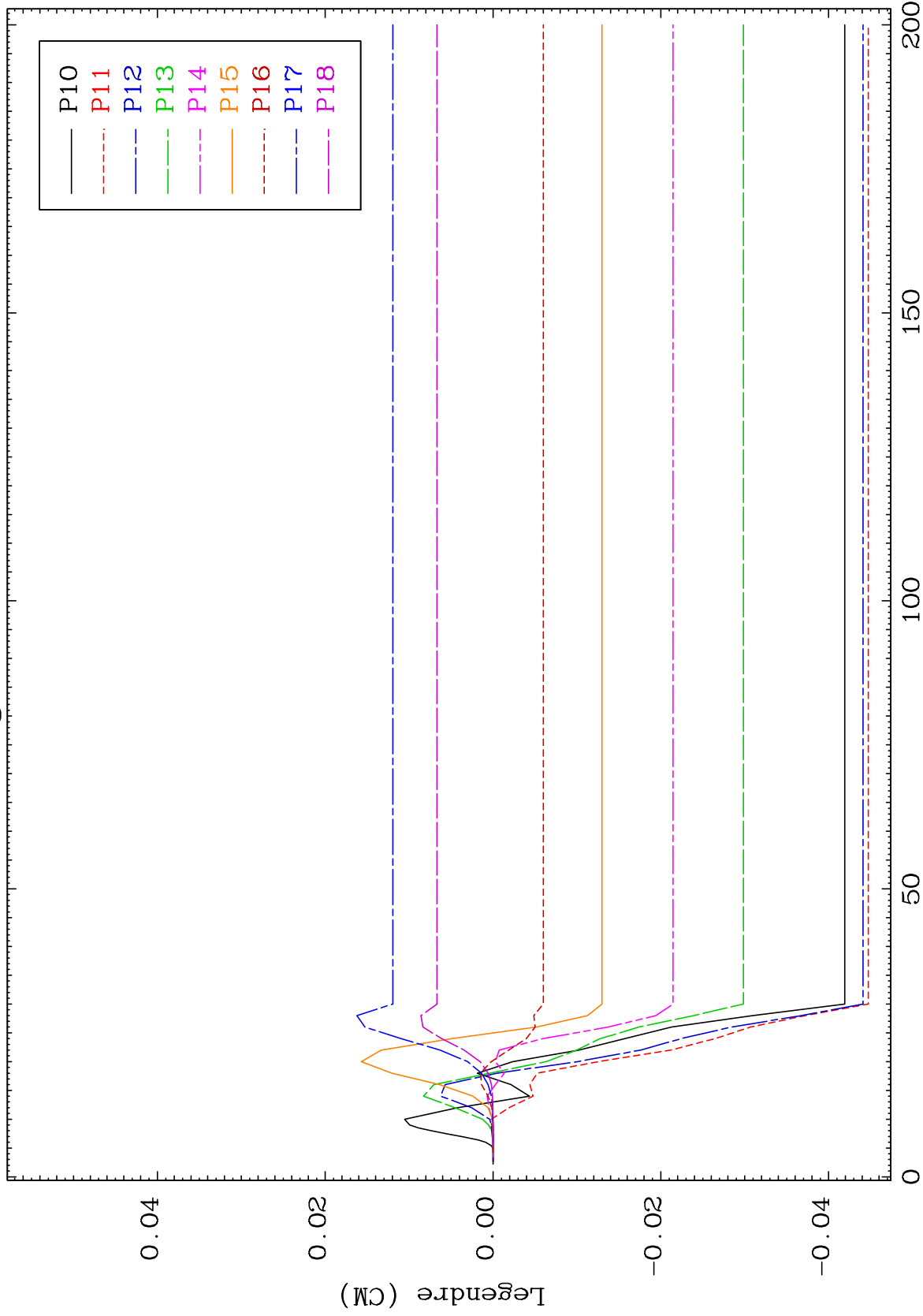
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



34

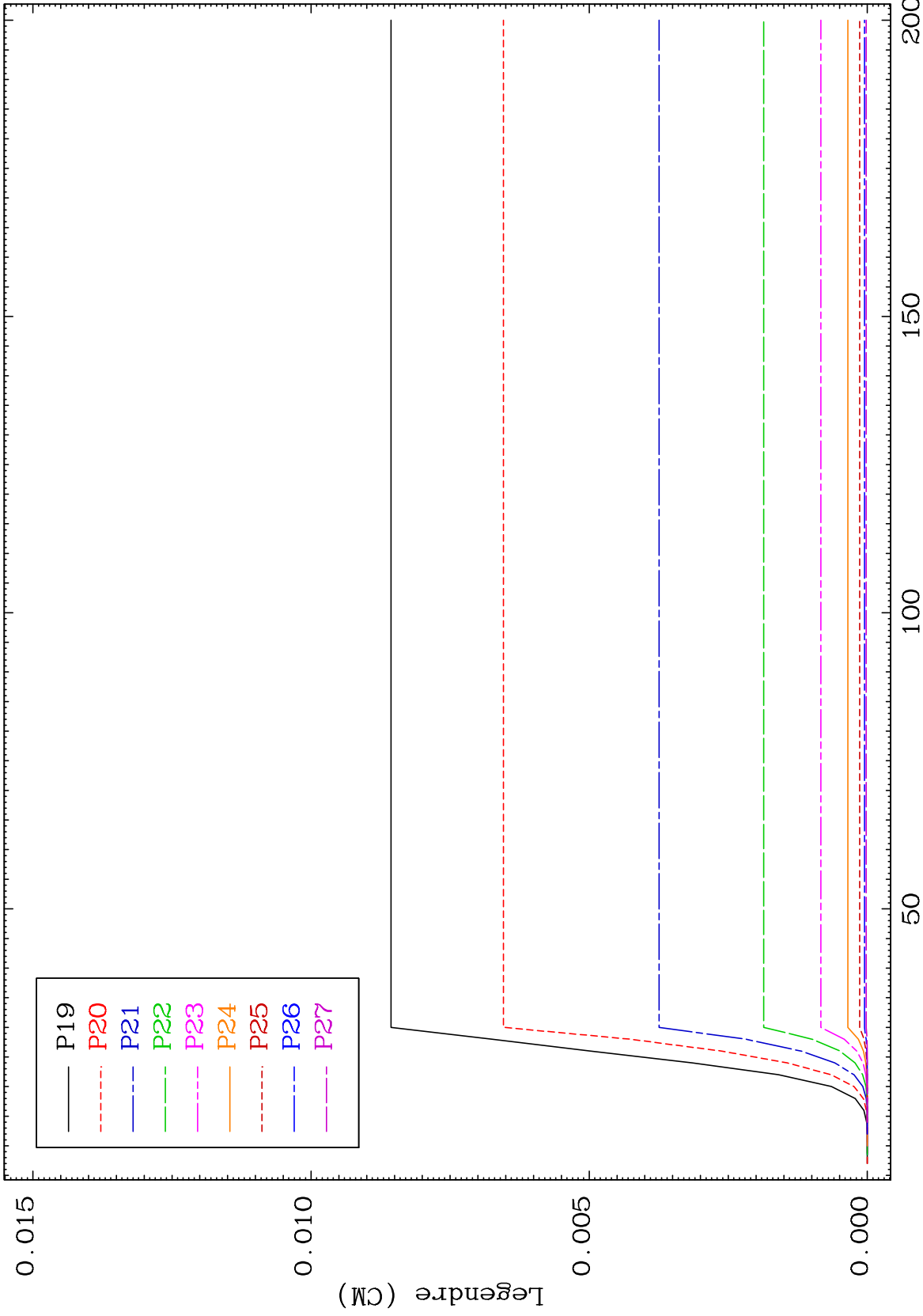
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



35

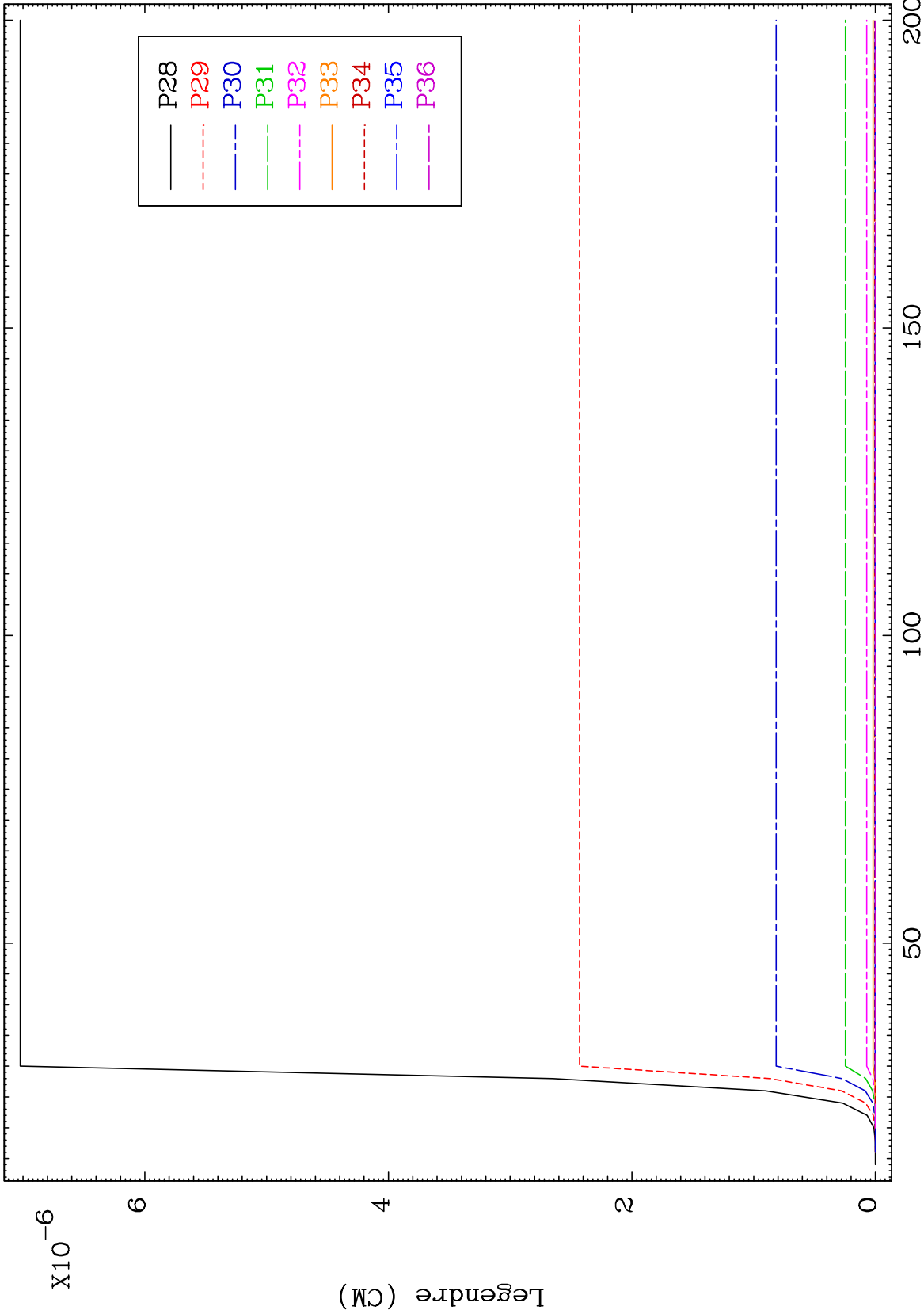
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



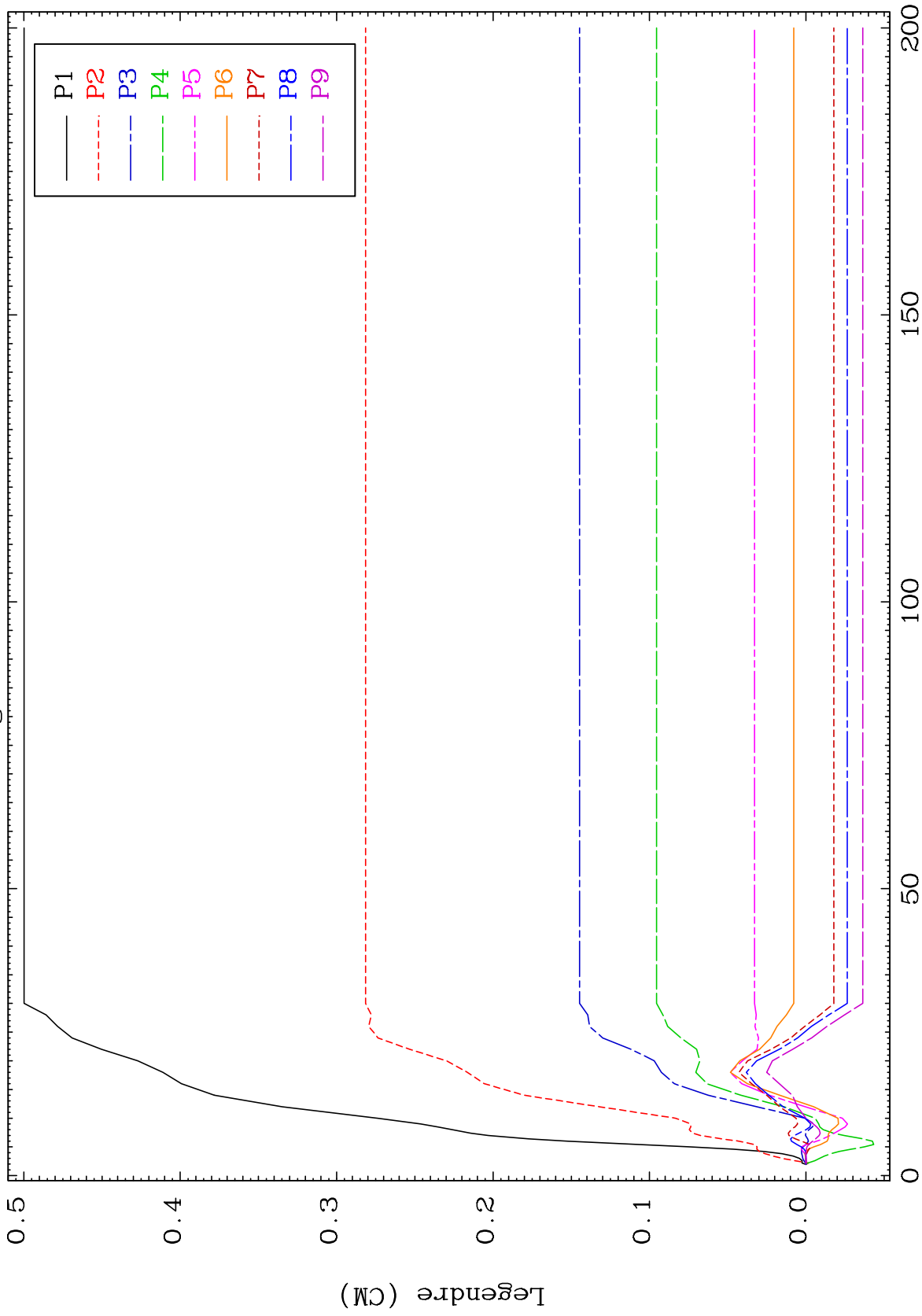
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64-Gd-142

MAT 6395

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

64-Gd-142



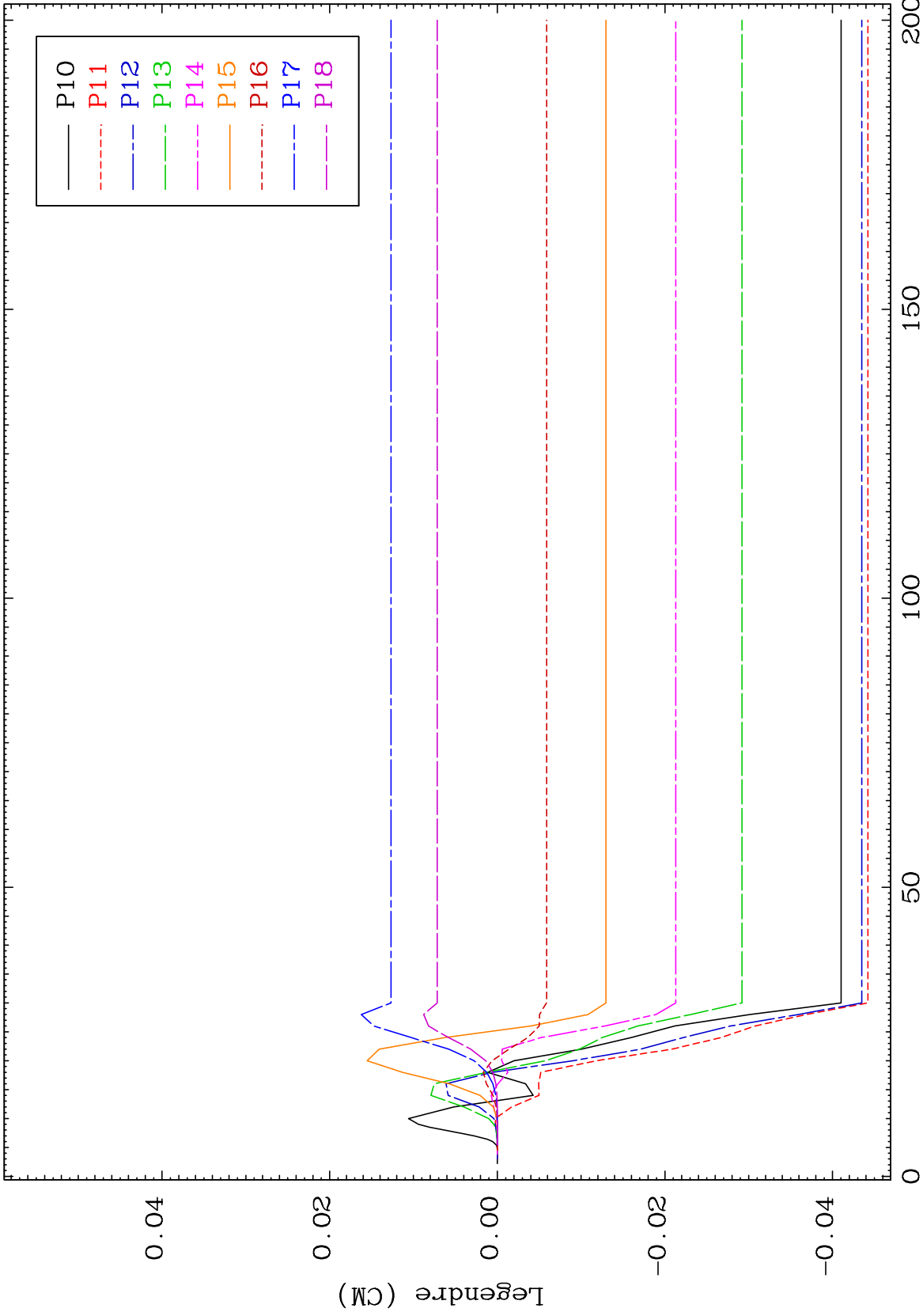
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MAT 6395

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

64-Gd-142



38

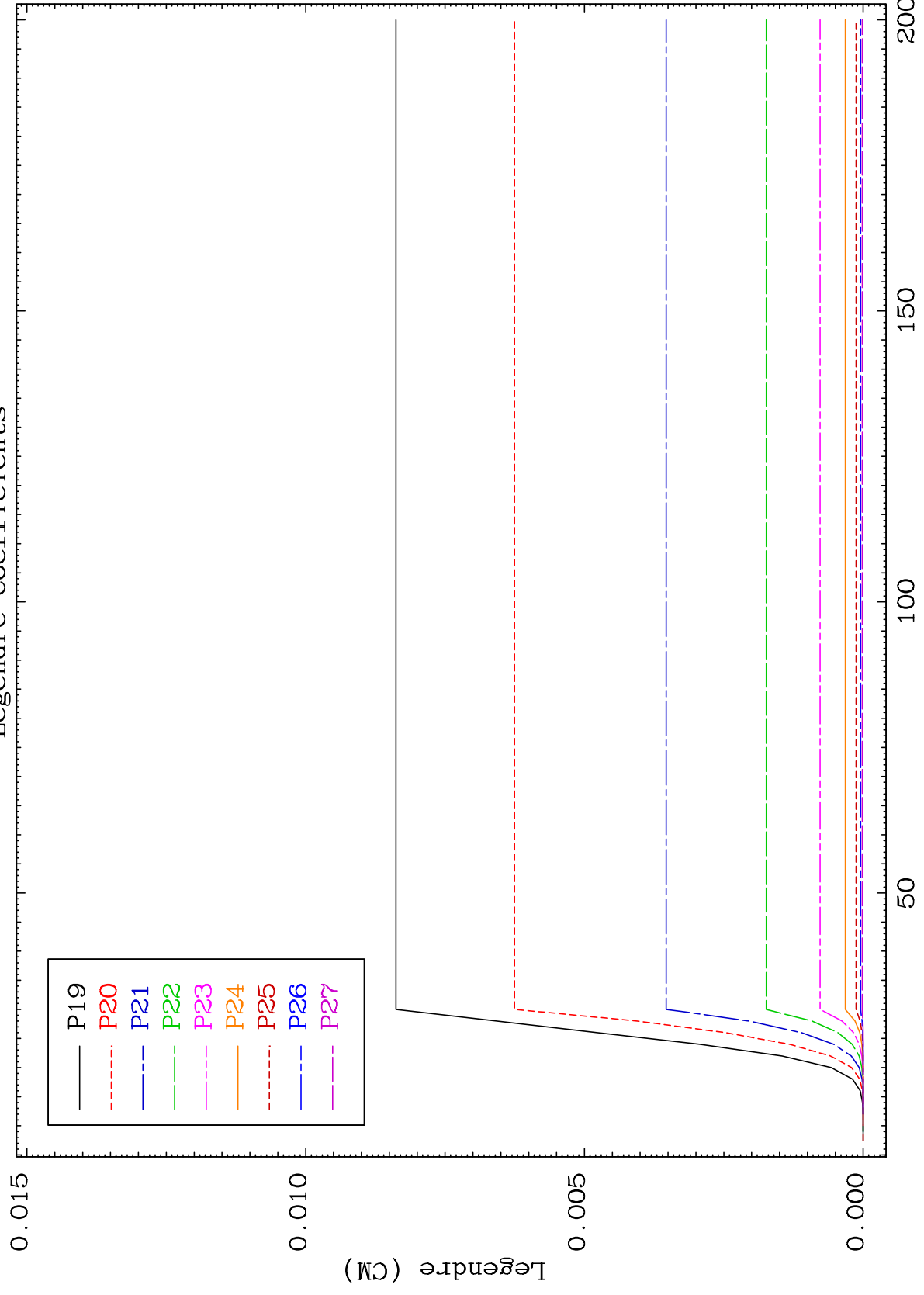
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



39

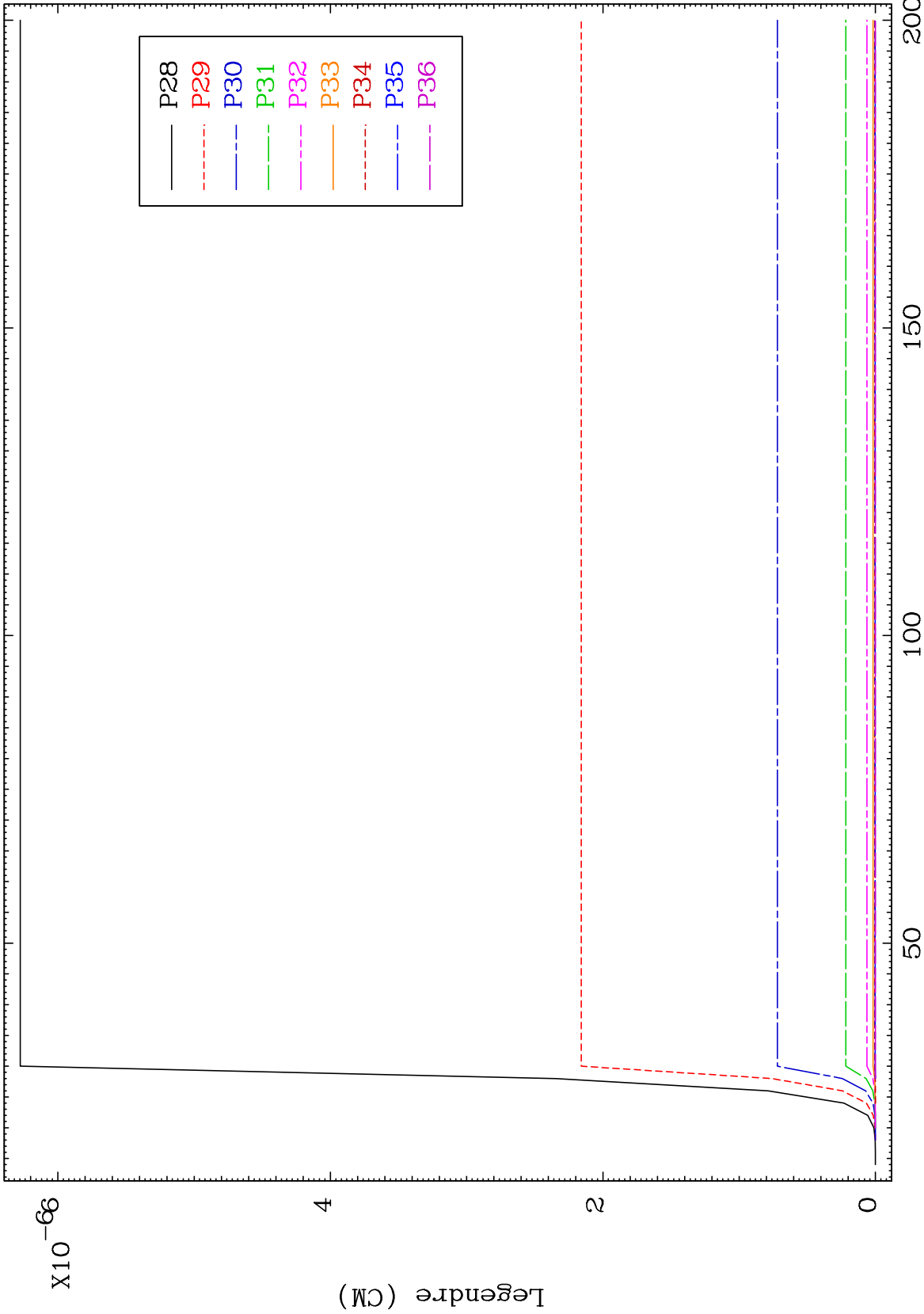
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



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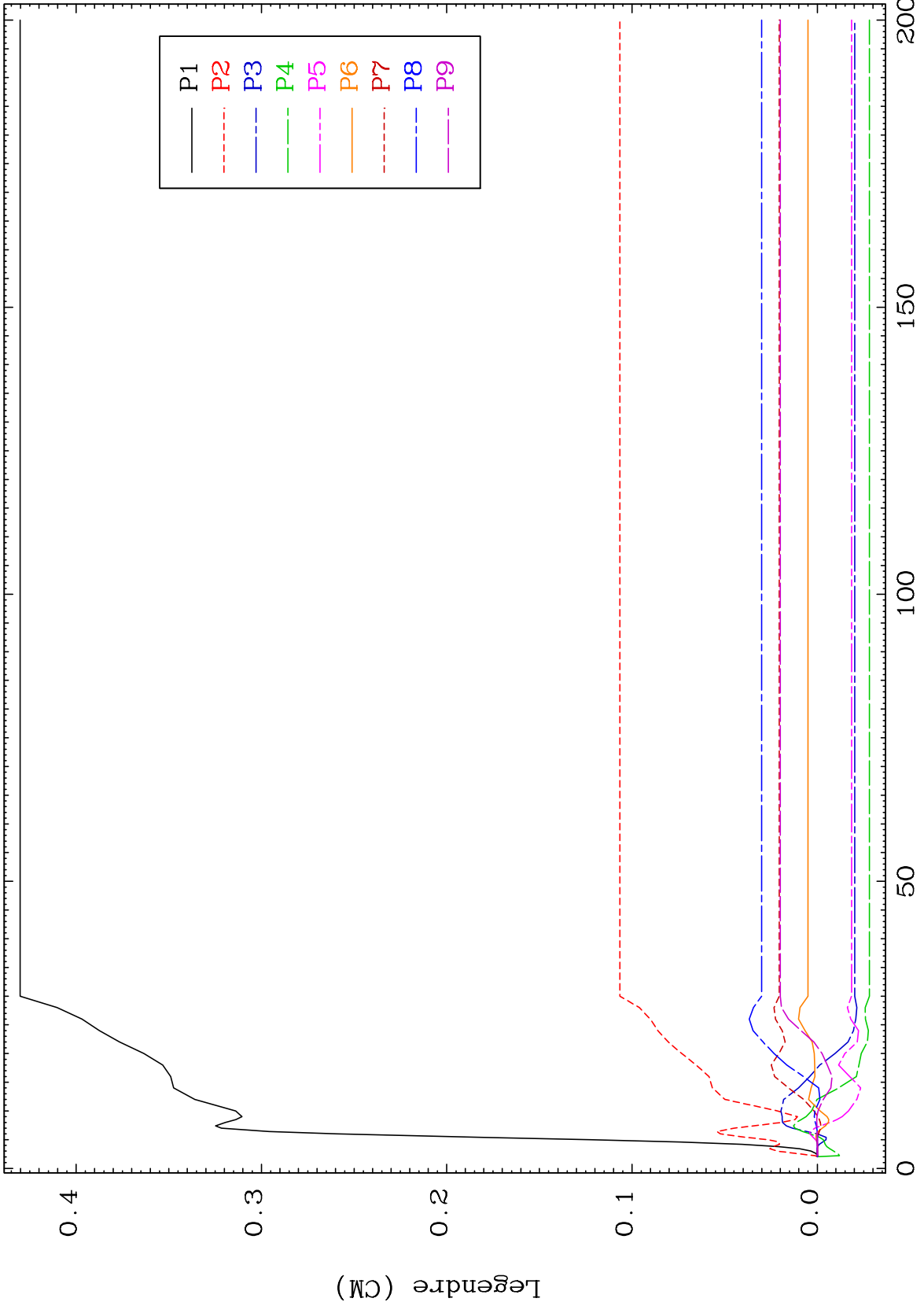
Incident Energy (MeV)

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MAT 6395

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

64-Gd-142



41

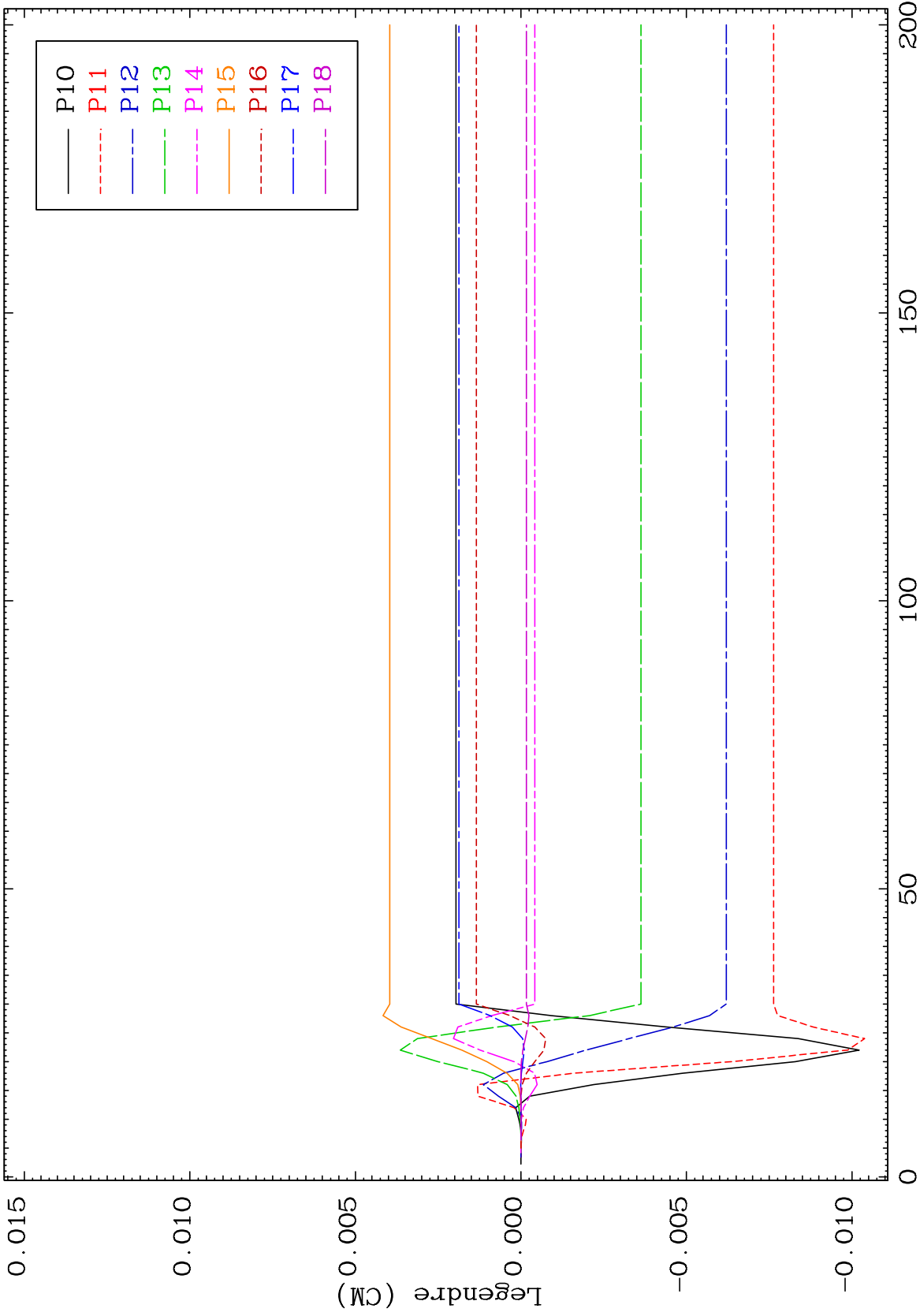
Incident Energy (MeV)

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MAT 6395

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

64-Gd-142



42

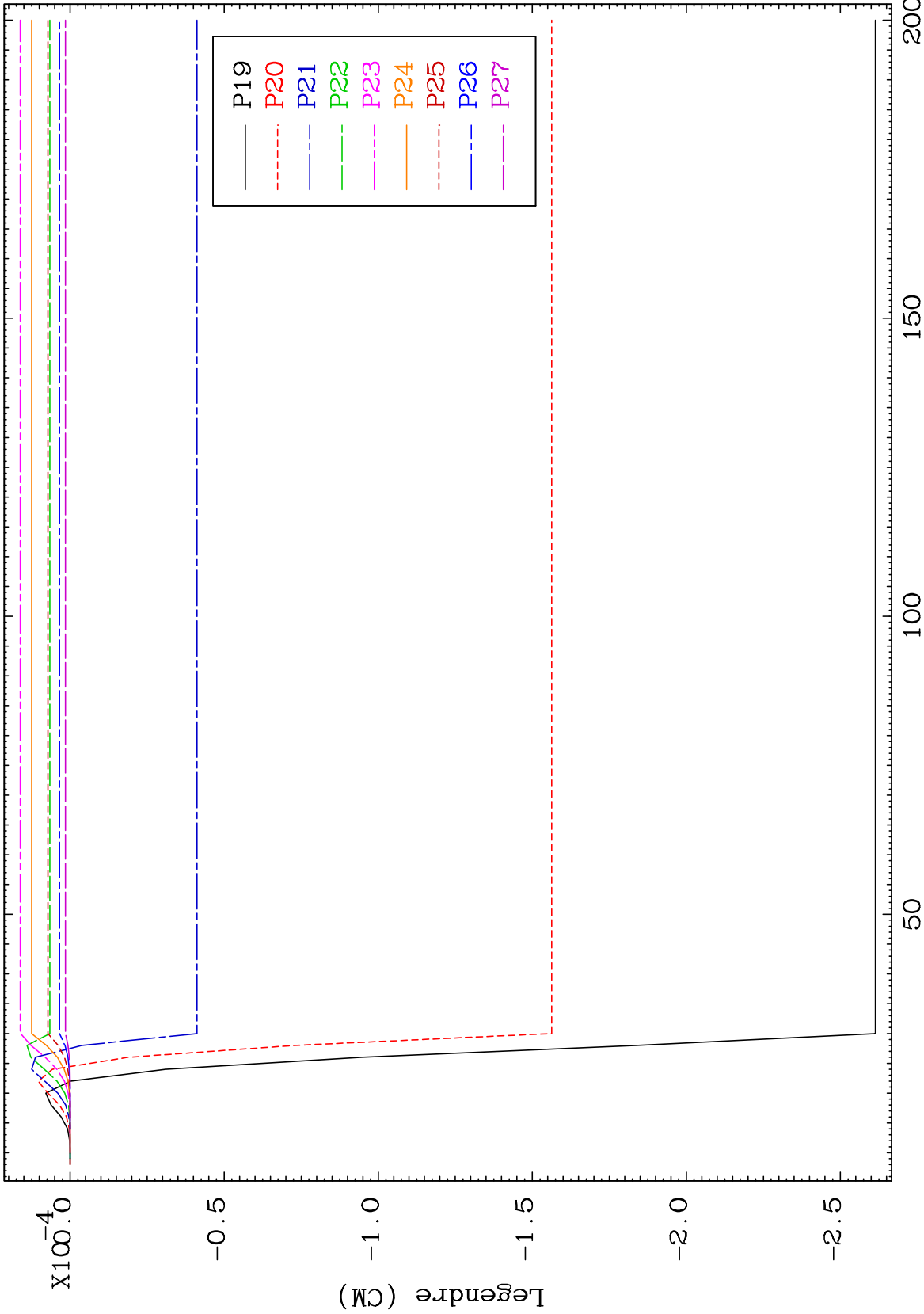
Incident Energy (MeV)

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MAT 6395

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

64-Gd-142



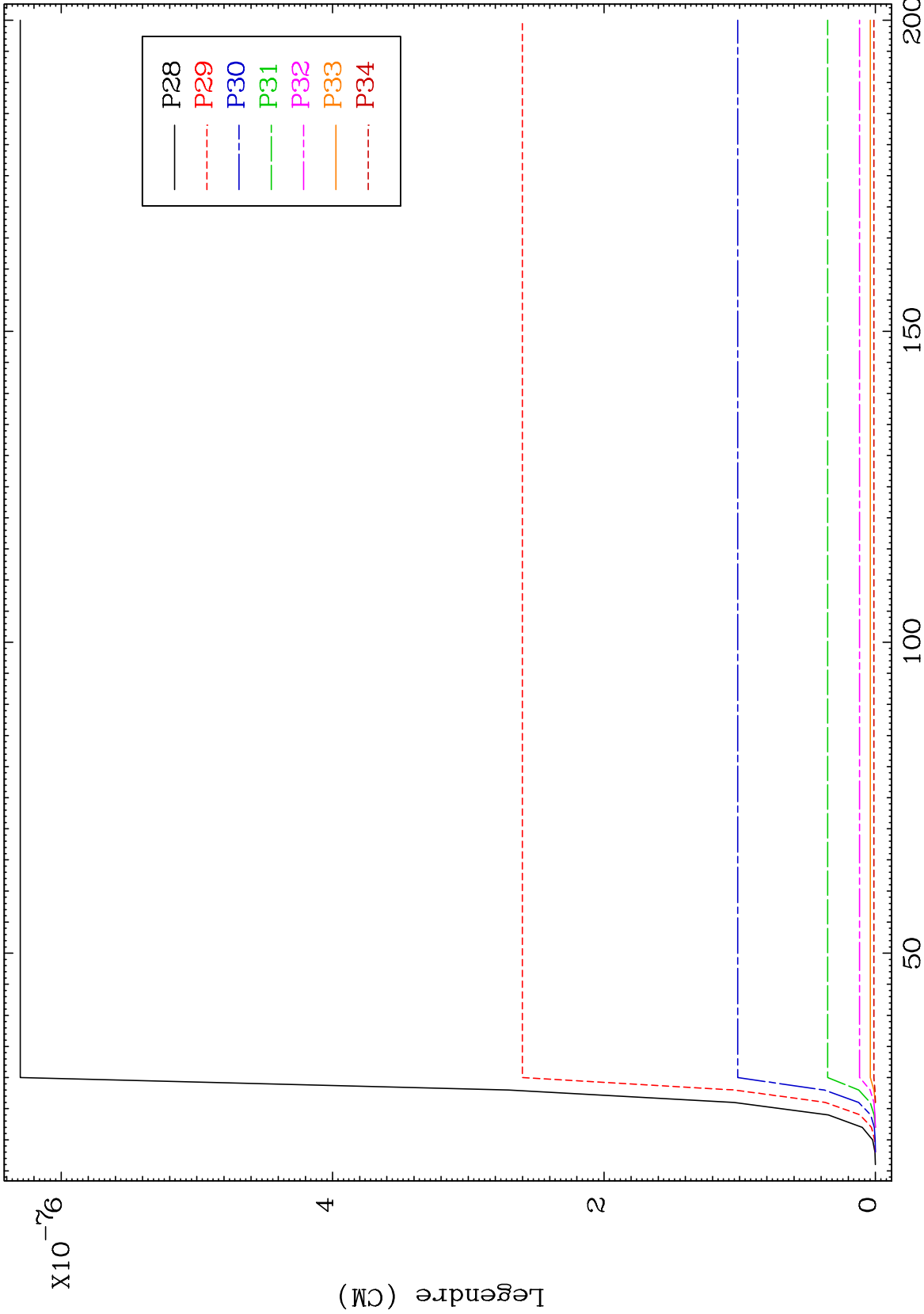
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MAT 6395

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

64-Gd-142



44

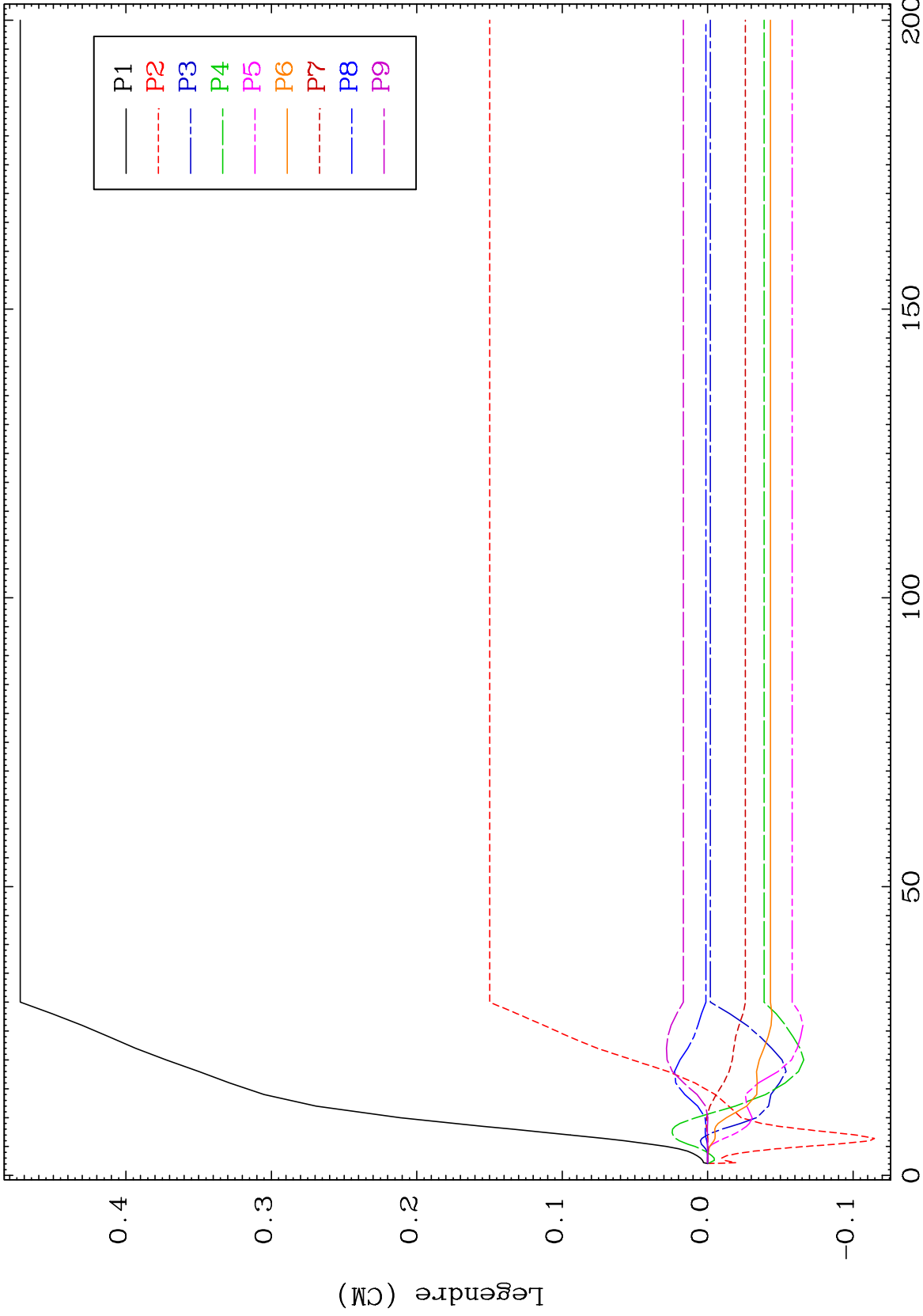
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



45

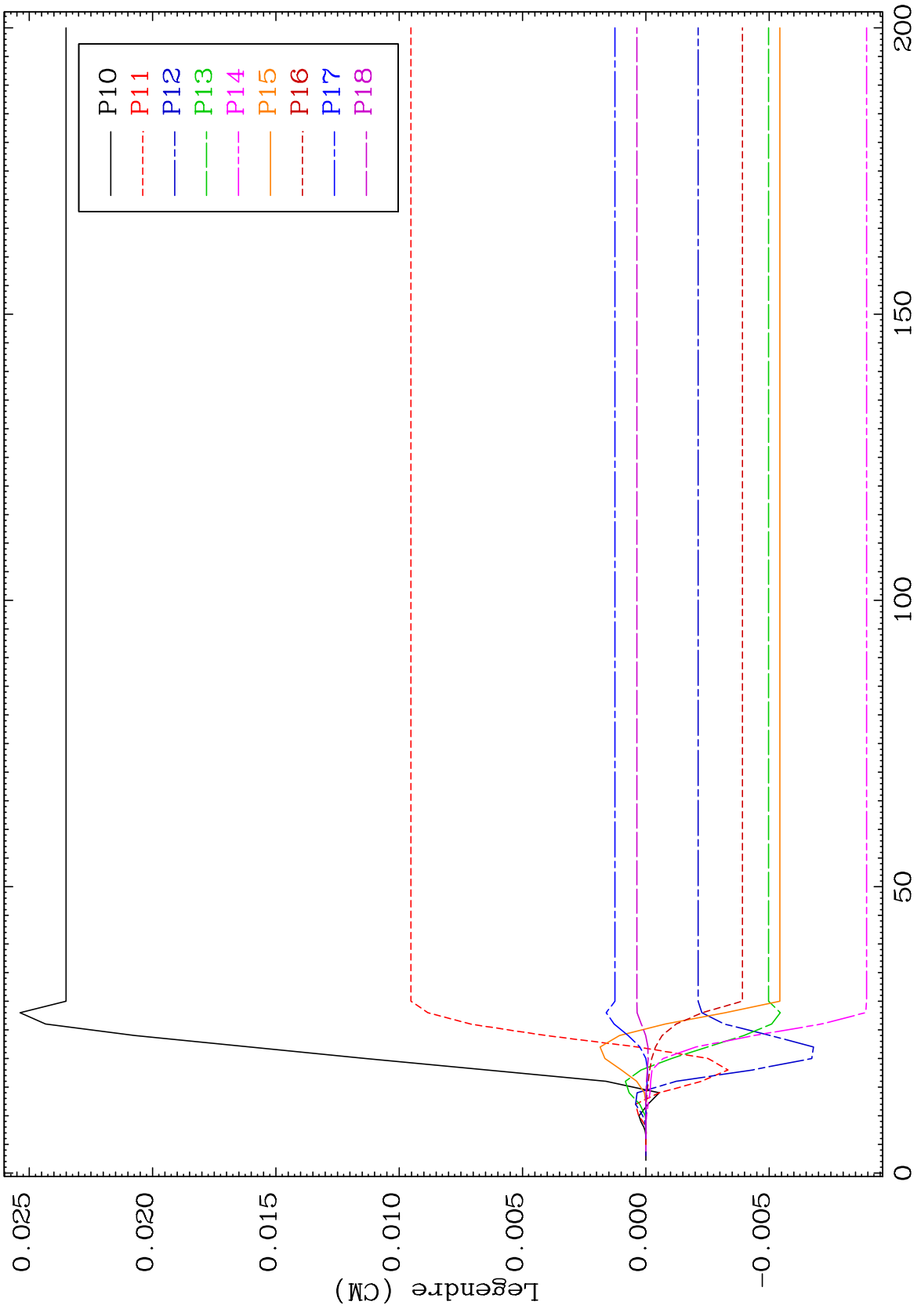
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



46

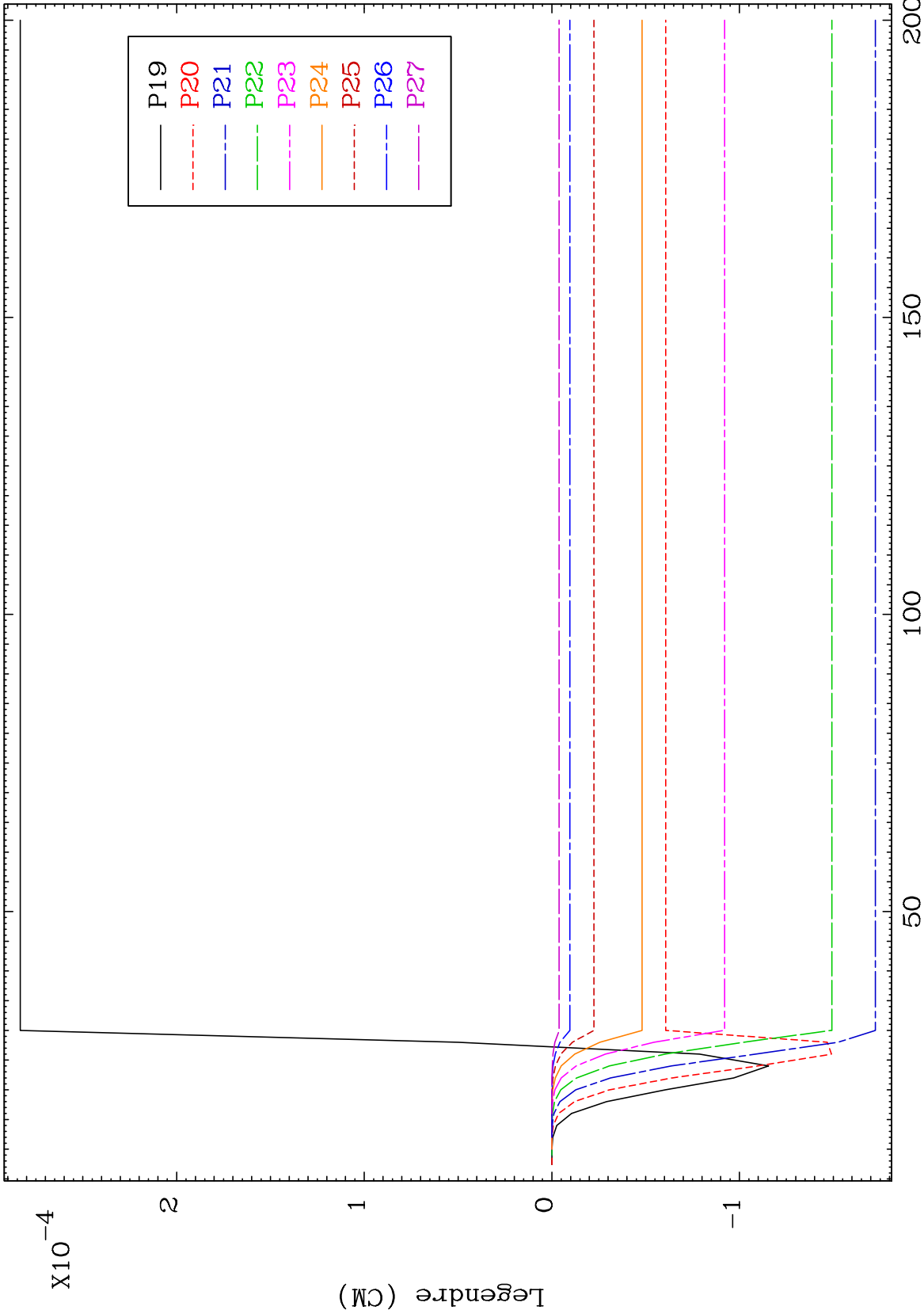
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



47

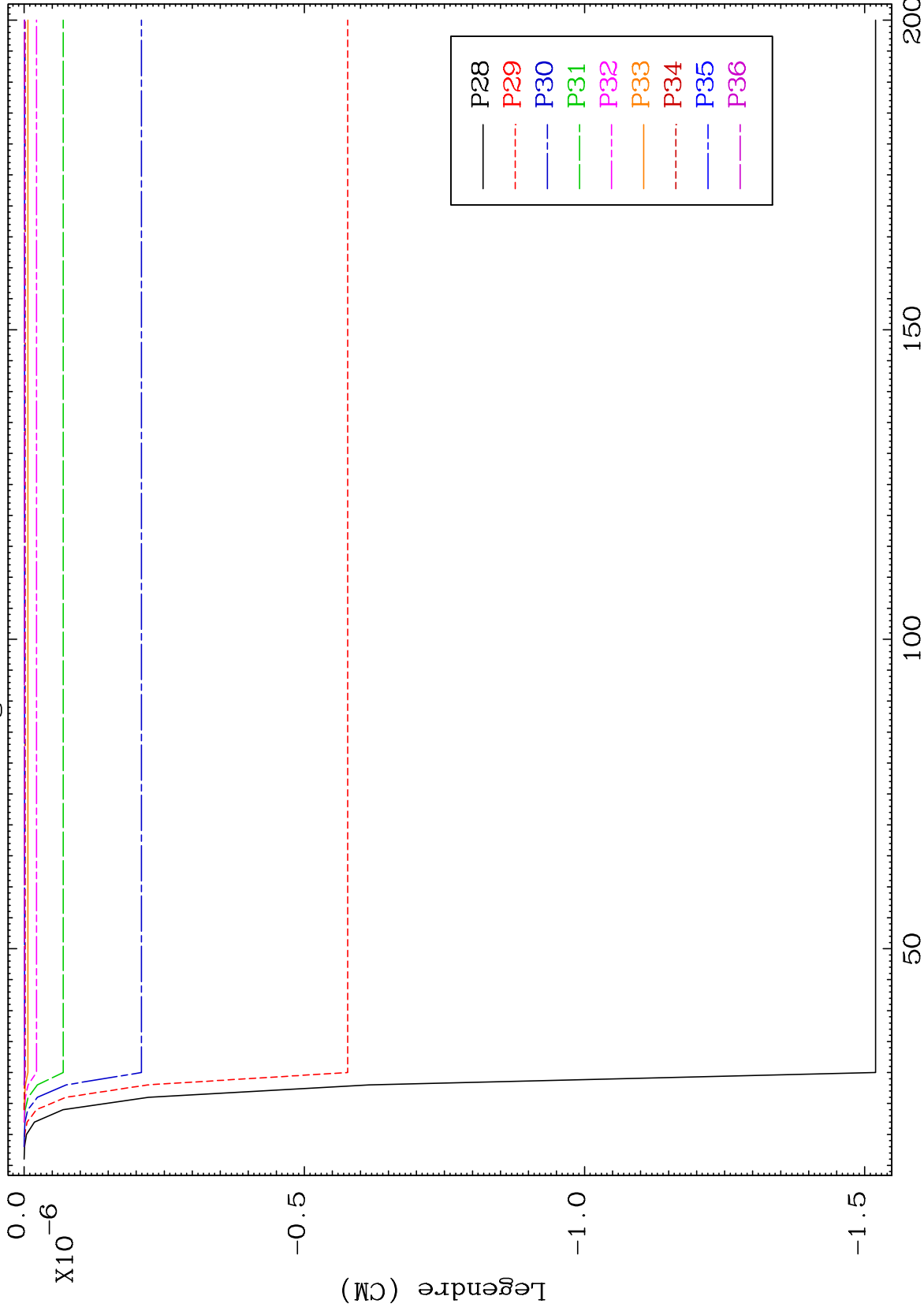
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142

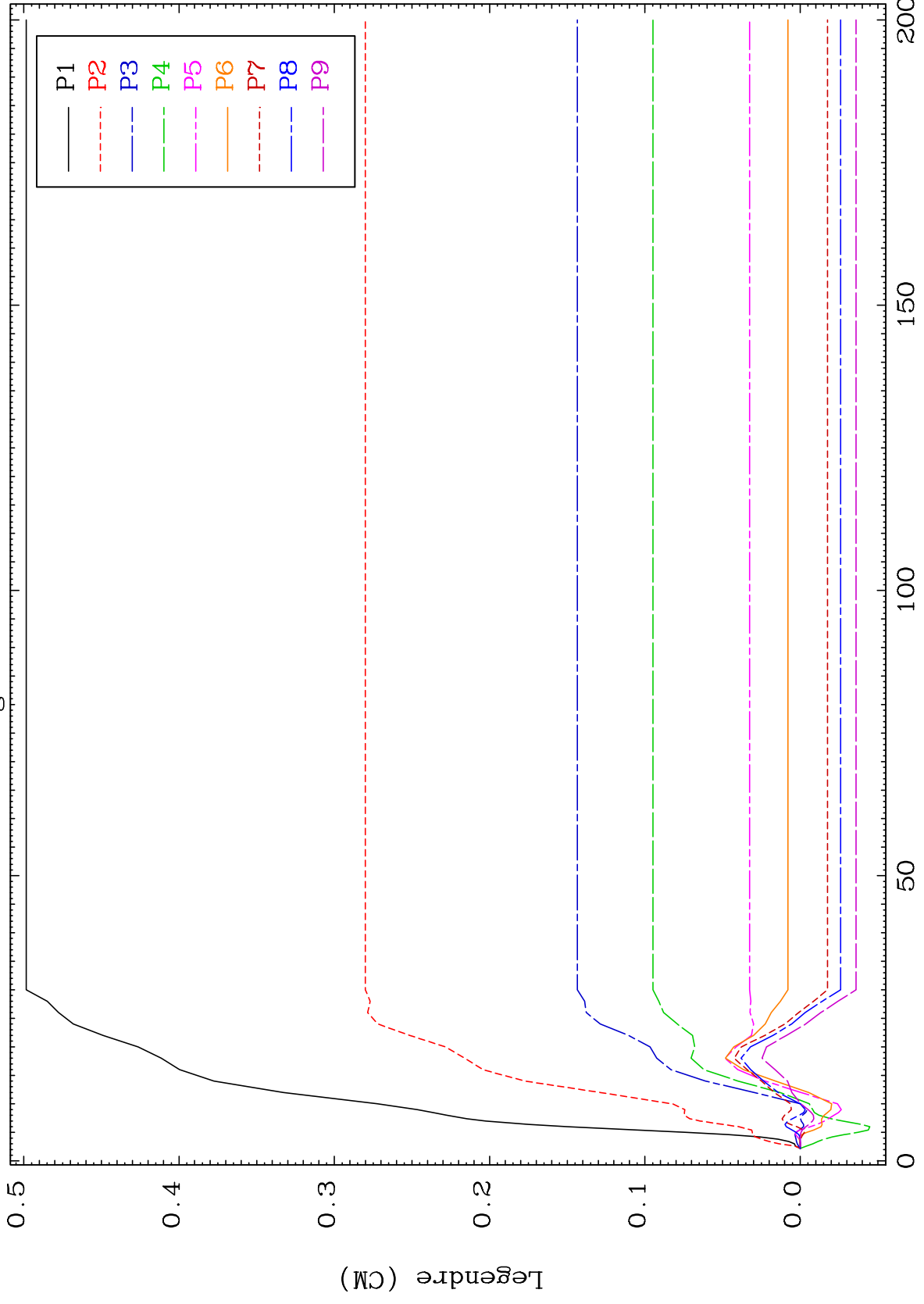


48

64-Gd-142

200

MAT 6395 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-142

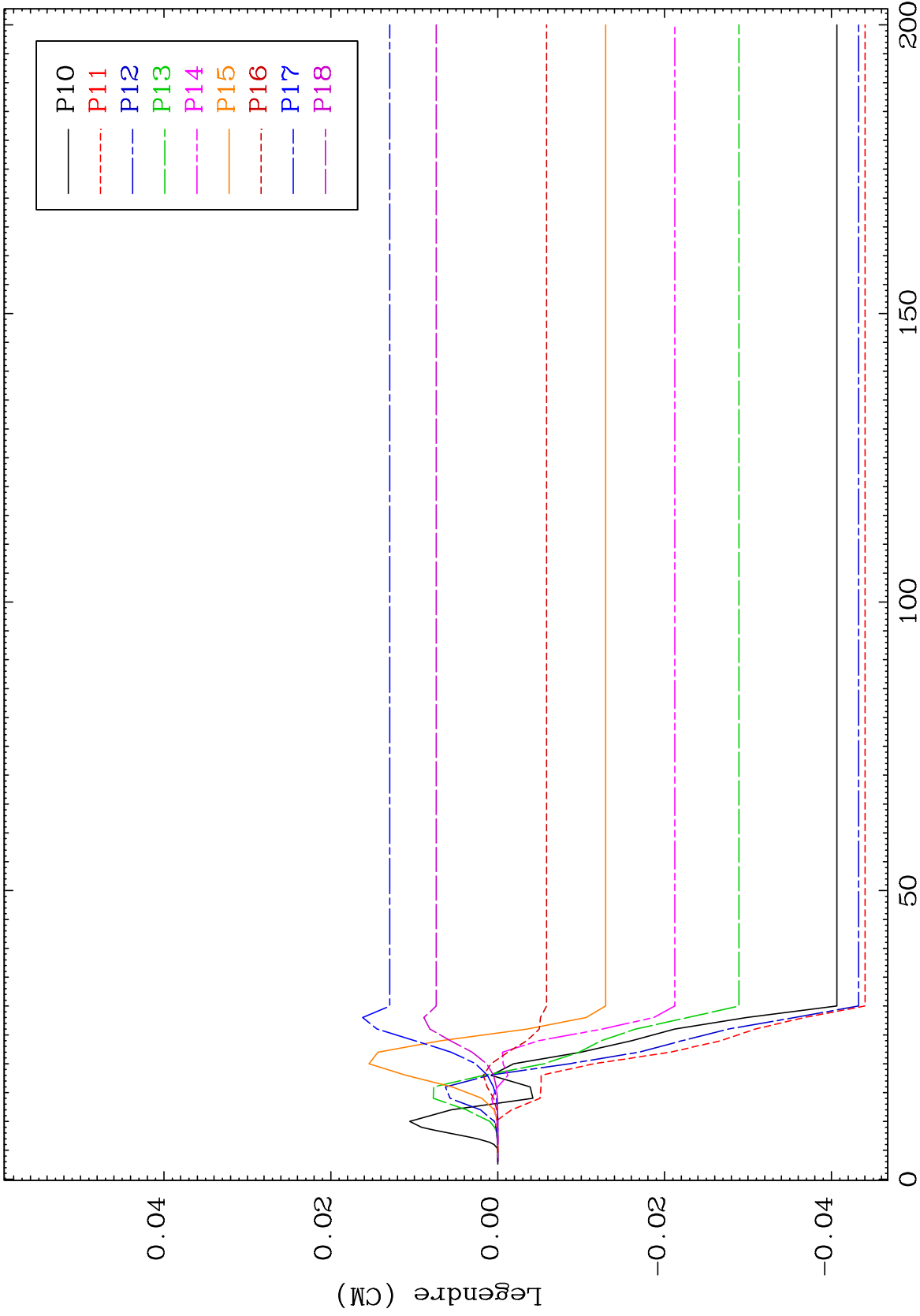


49 64-Gd-142

MAT 6395

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

64-Gd-142

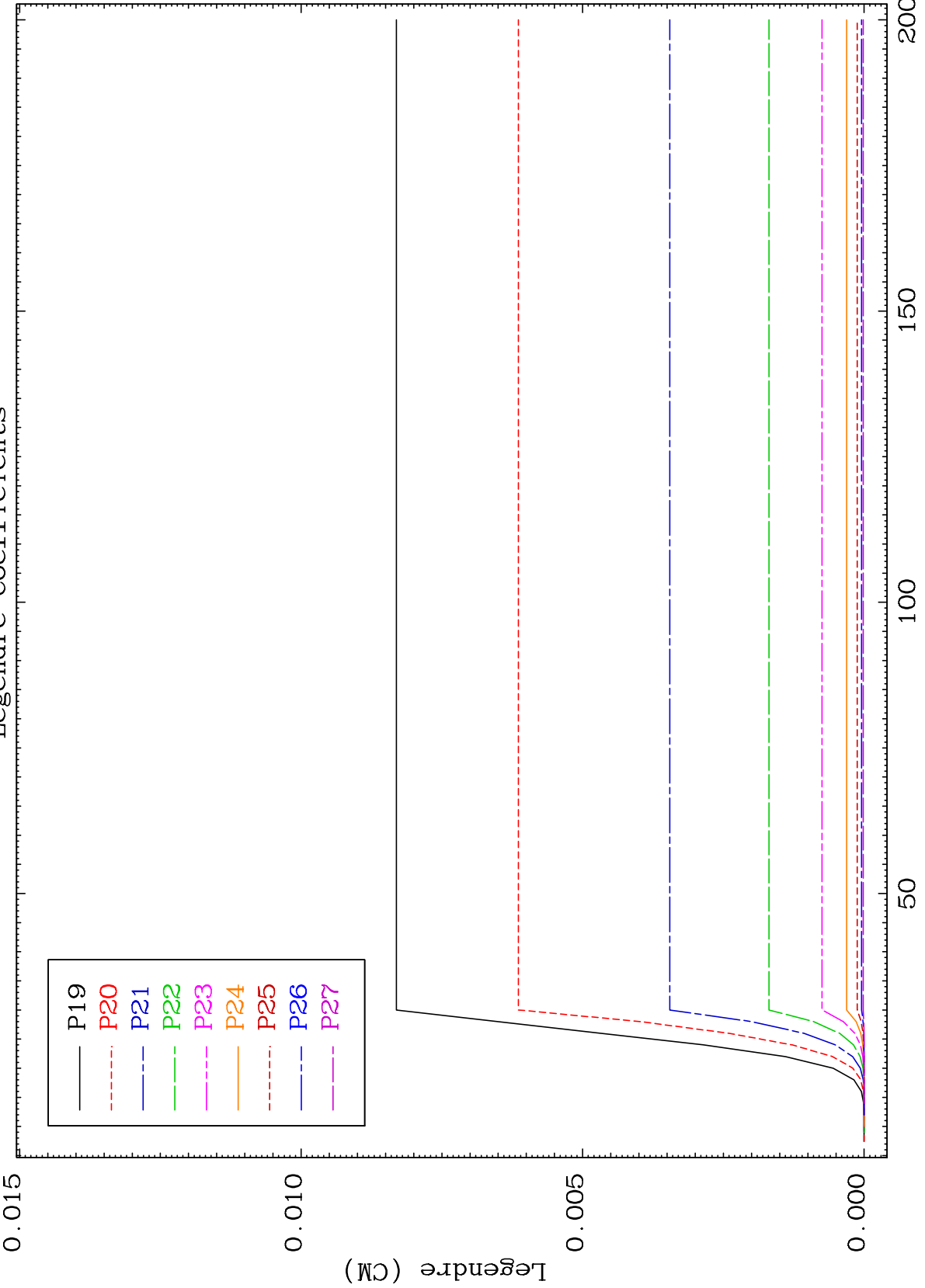


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Incident Energy (MeV)

64-Gd-142

MAT 6395 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-142



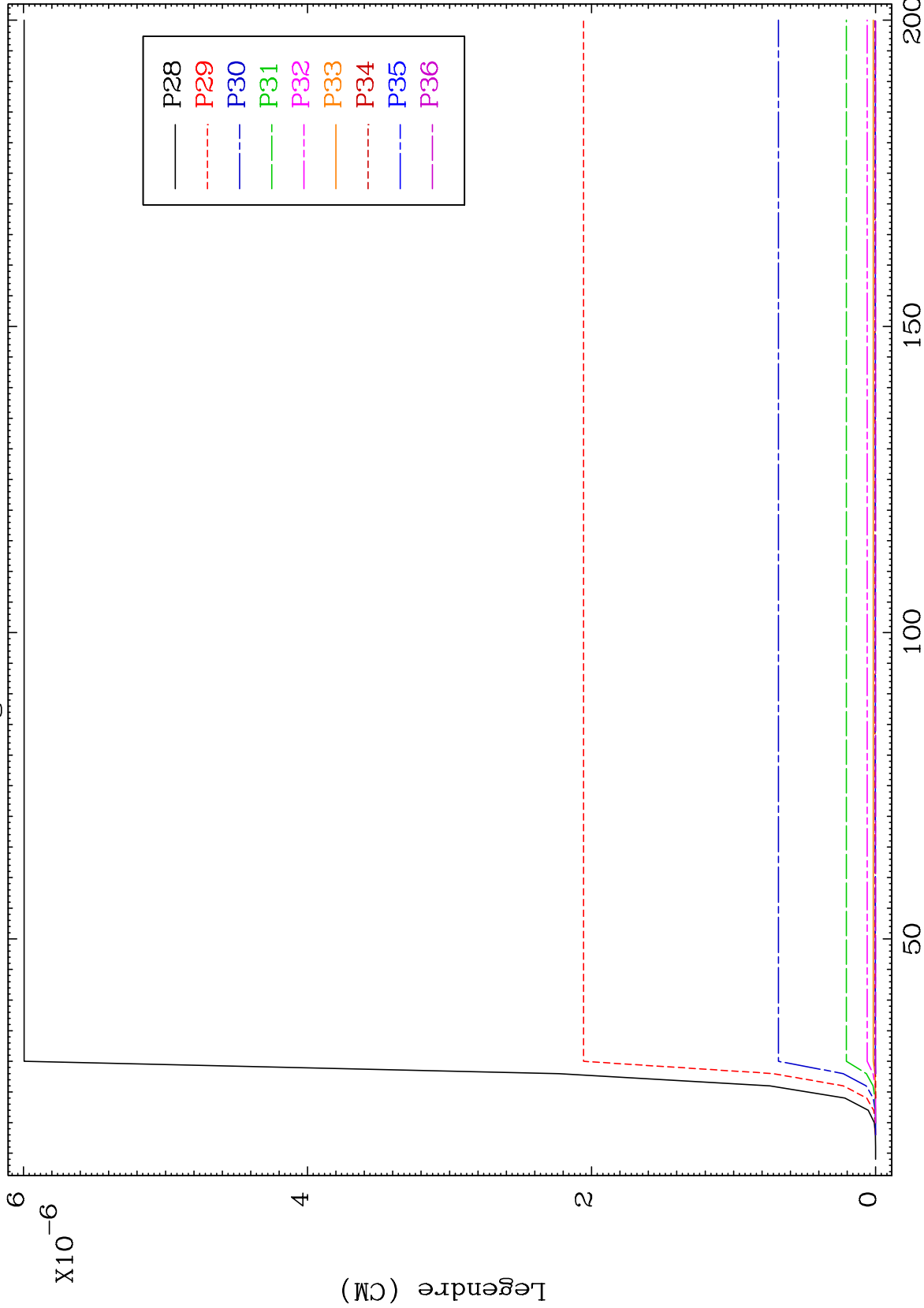
64-Gd-142

Incident Energy (MeV)

MAT 6395

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

64-Gd-142

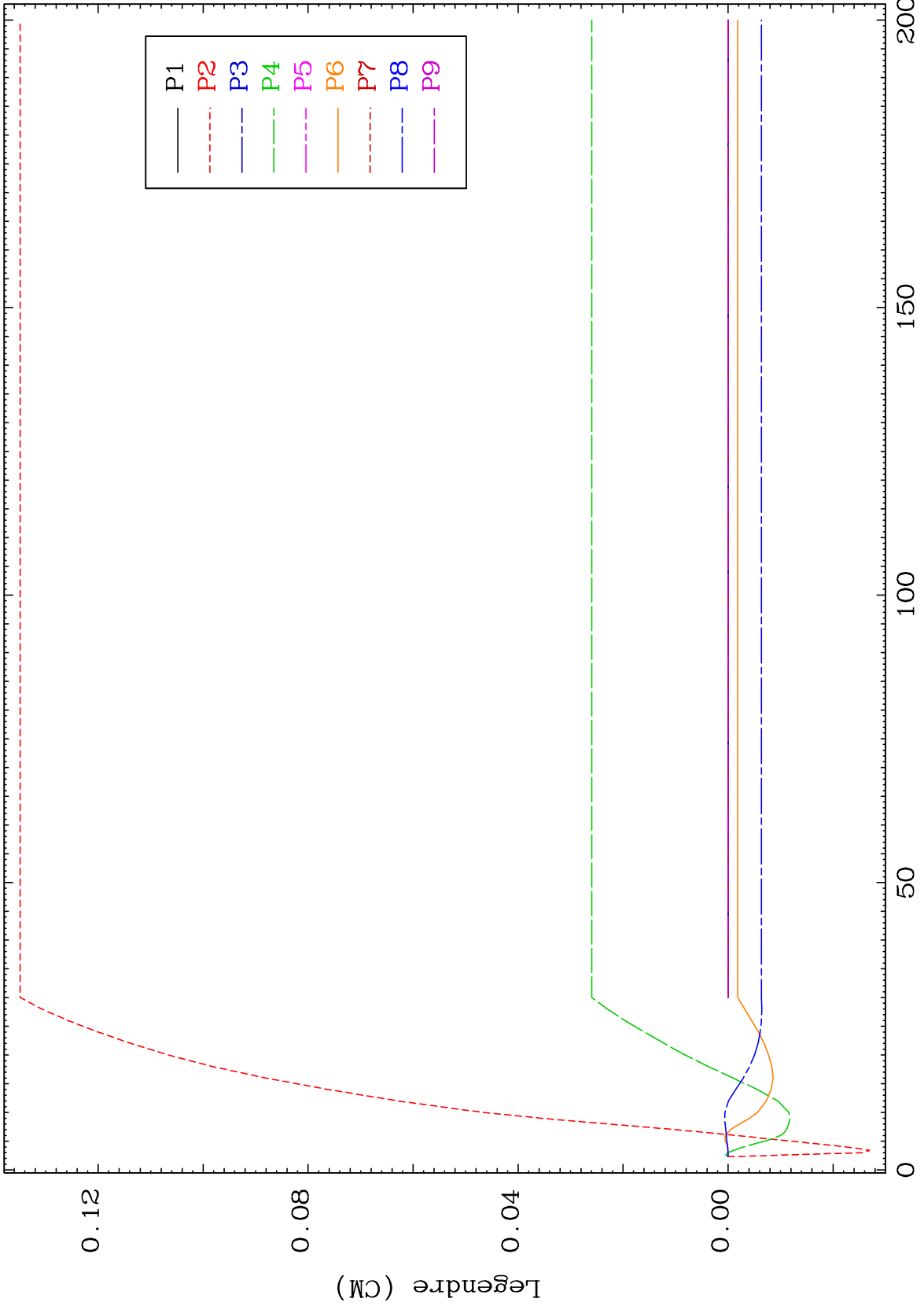


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Incident Energy (MeV)

64-Gd-142

MAT 6395 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-142

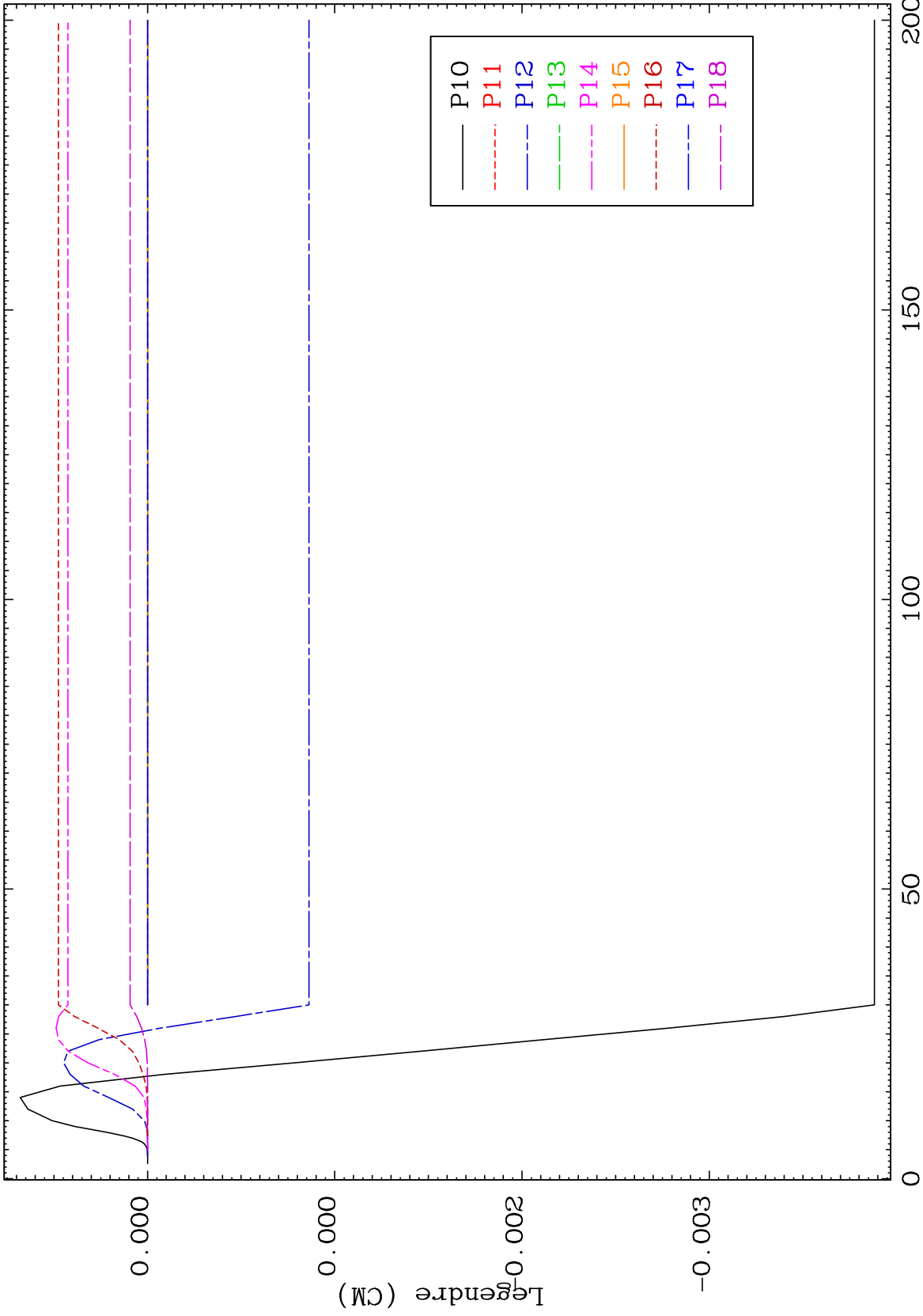


53 64-Gd-142

MAT 6395

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

64-Gd-142



54

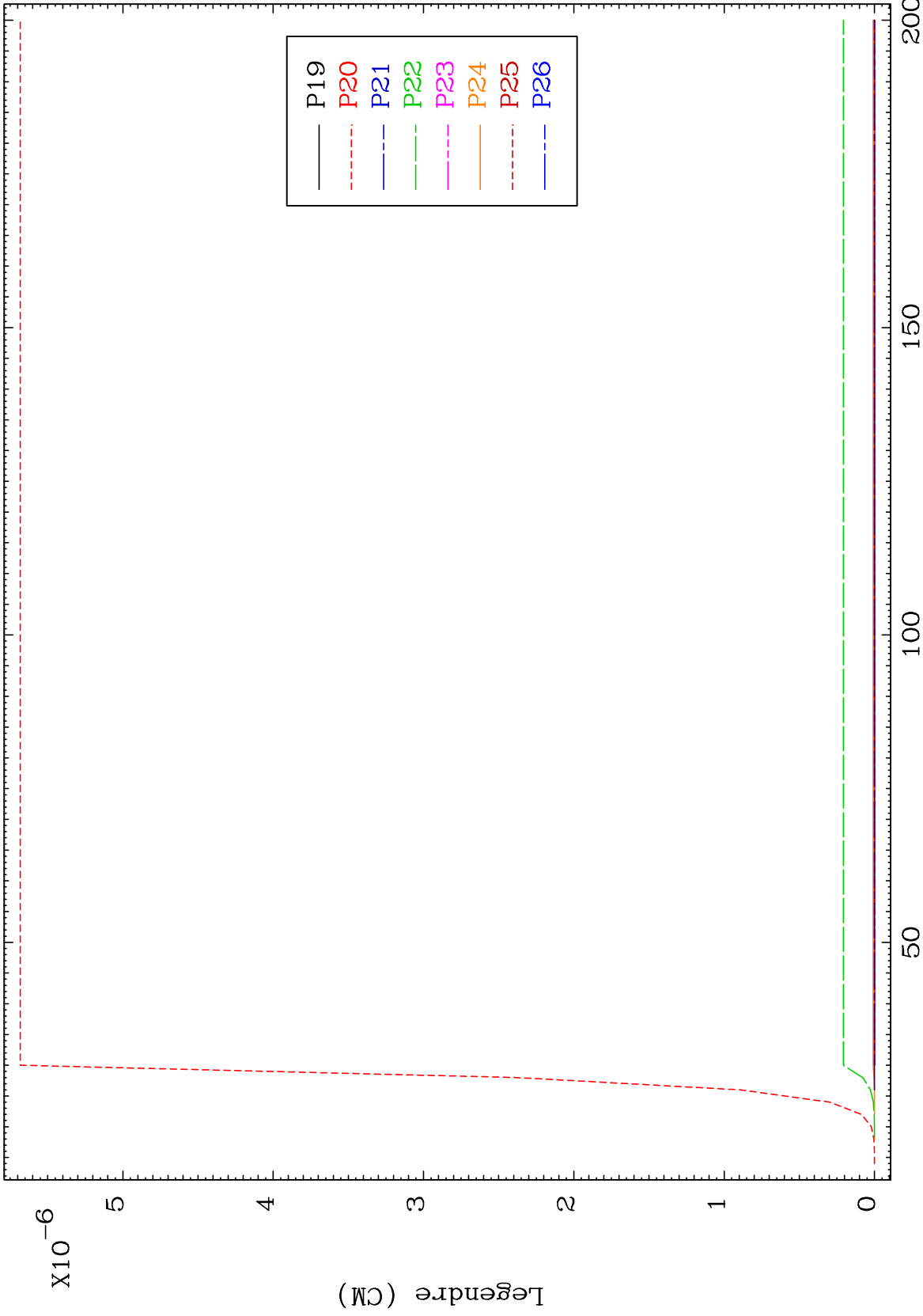
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142

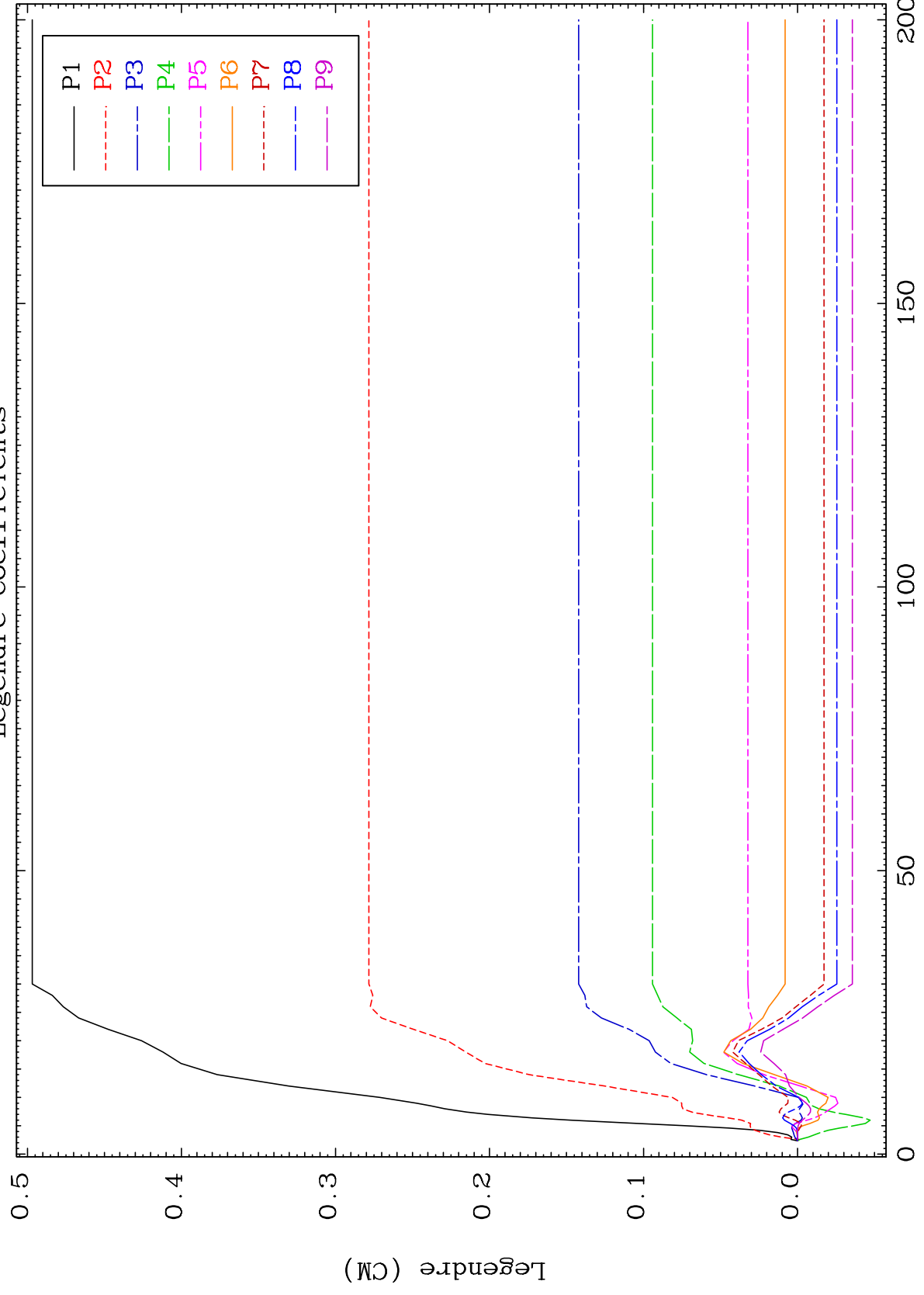


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Incident Energy (MeV)

64-Gd-142

MAT 6395 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-142

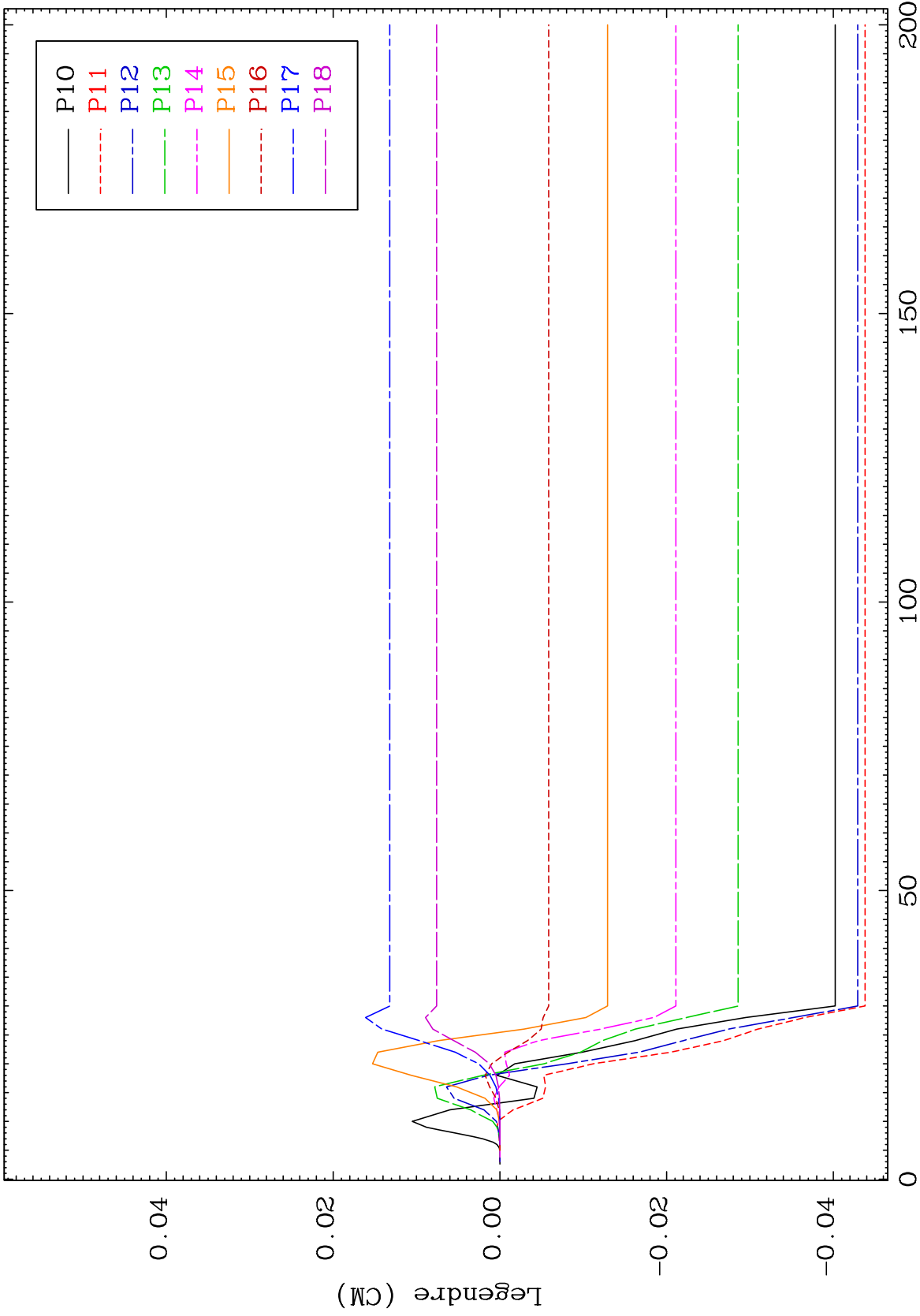


64-Gd-142 56

MAT 6395

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

64-Gd-142



57

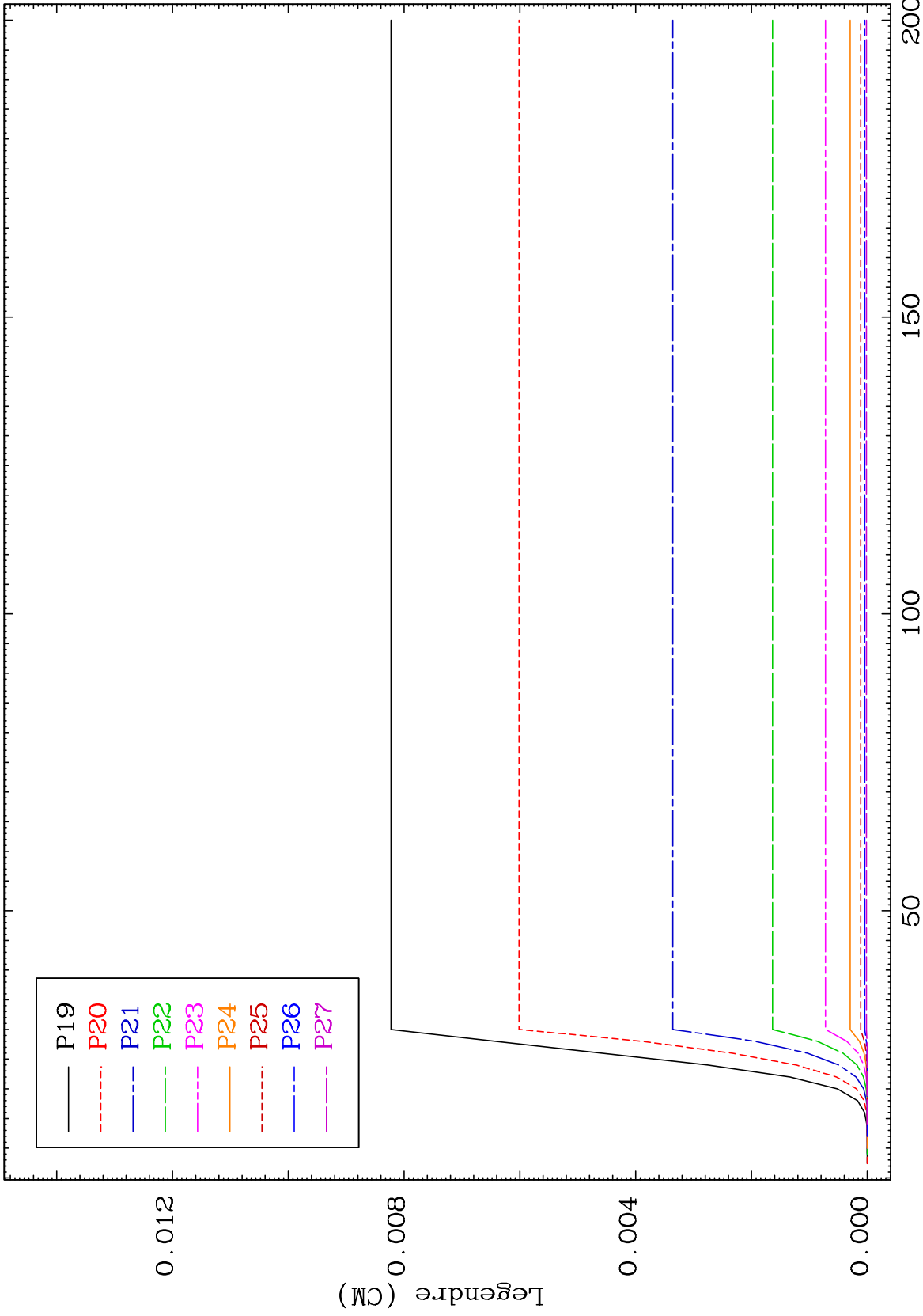
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



58

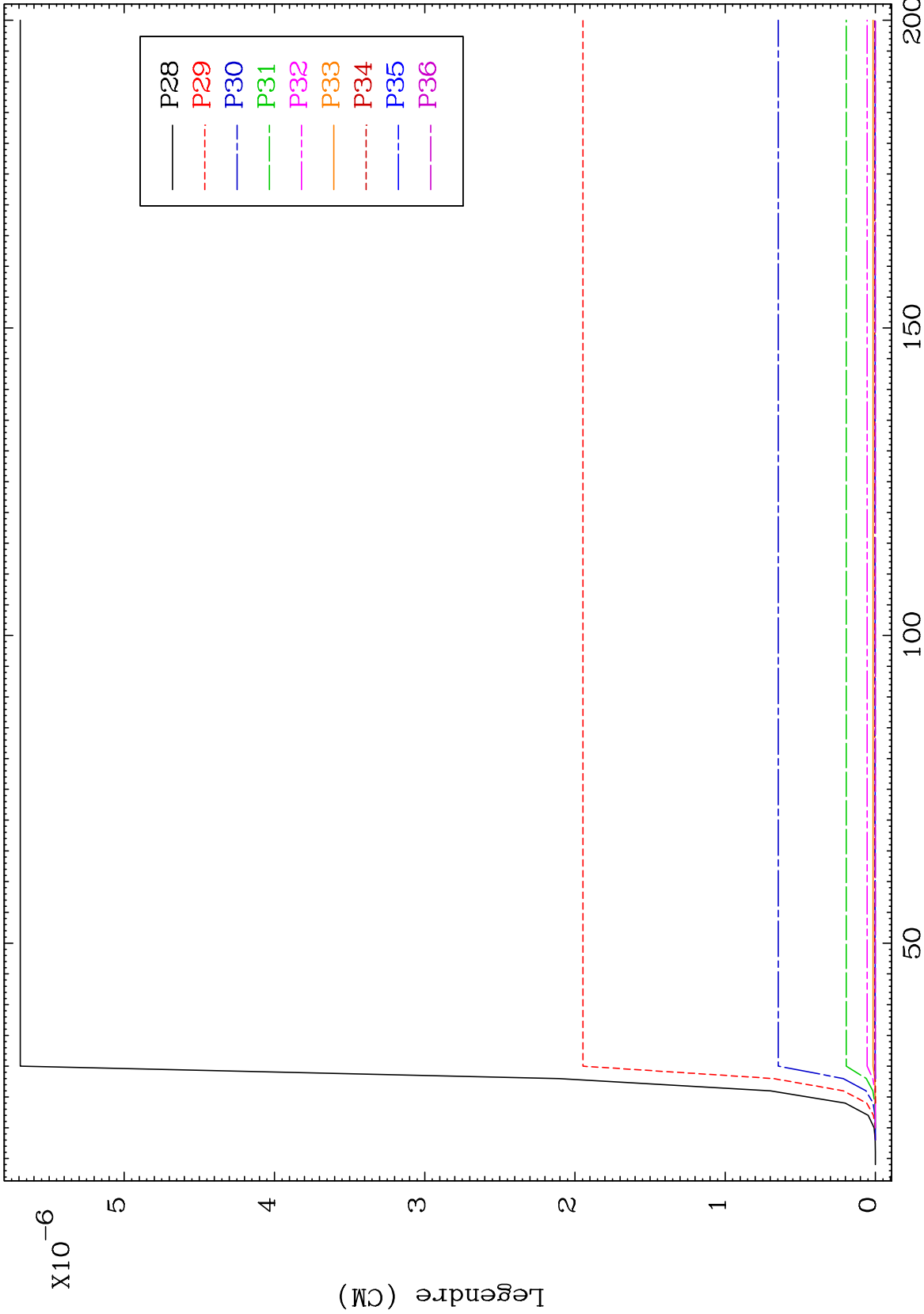
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



59

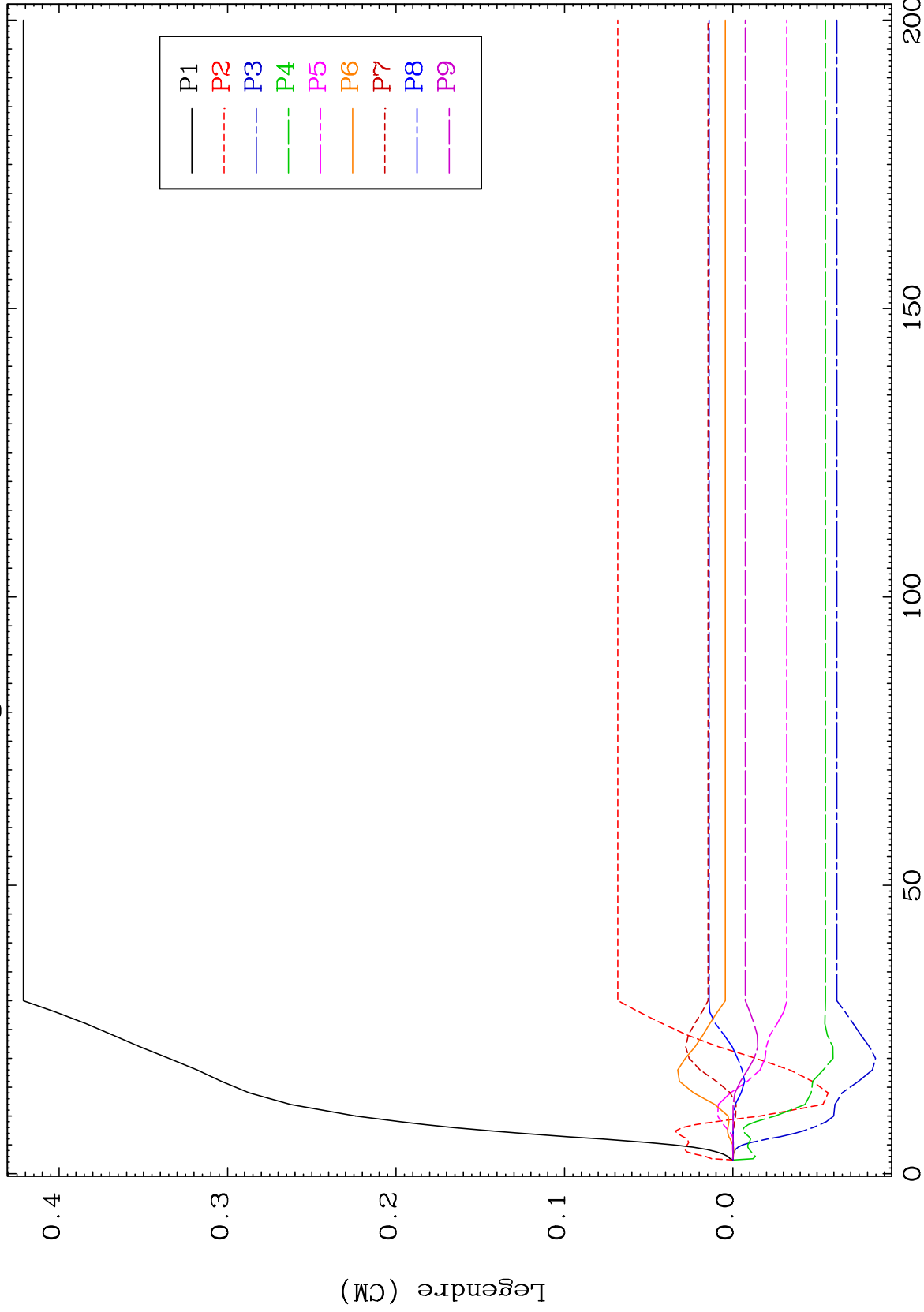
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



60

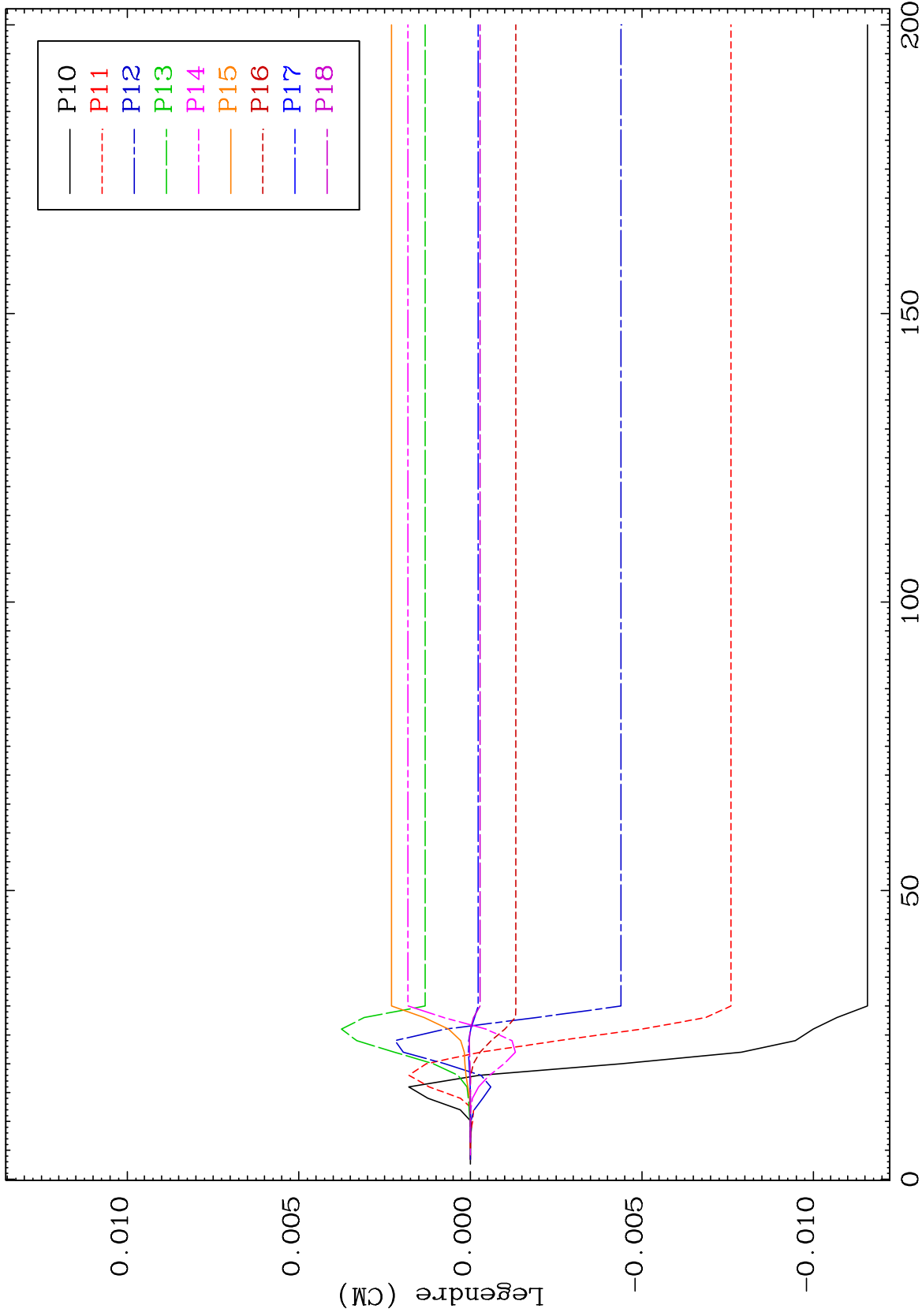
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142

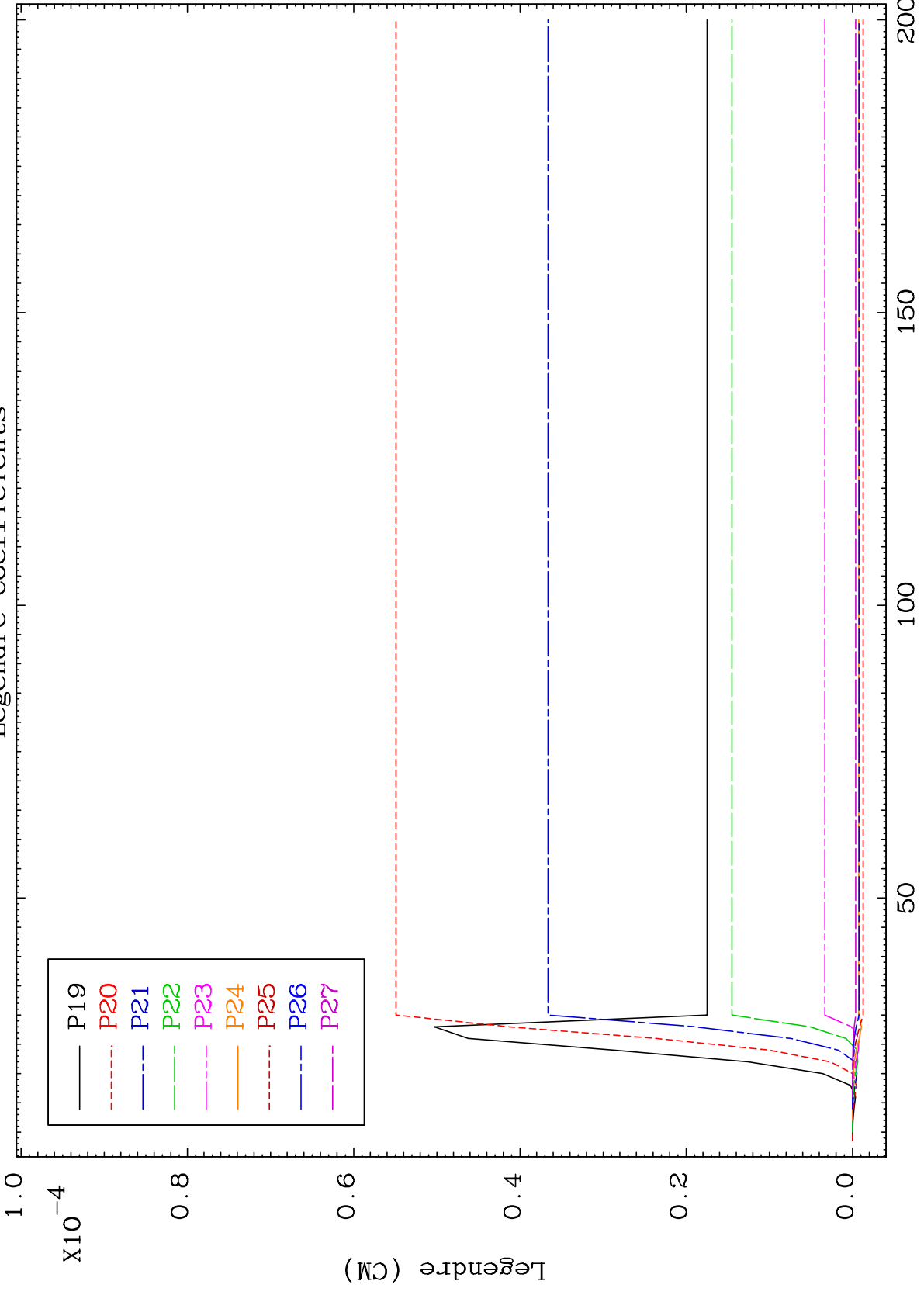


61

Incident Energy (MeV)

64-Gd-142

MAT 6395 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-142

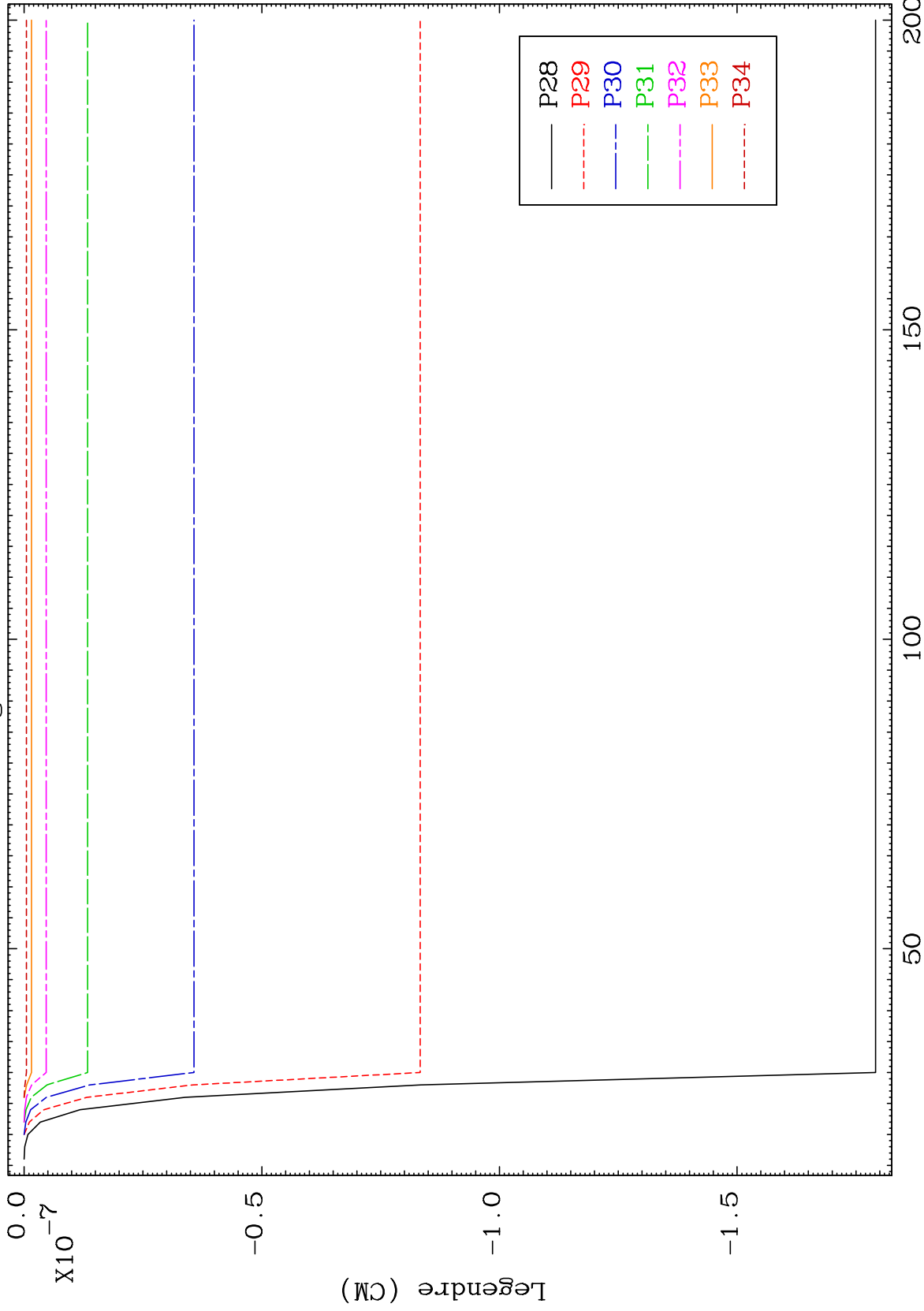


62 Incident Energy (MeV) 64-Gd-142

MAT 6395

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

64-Gd-142

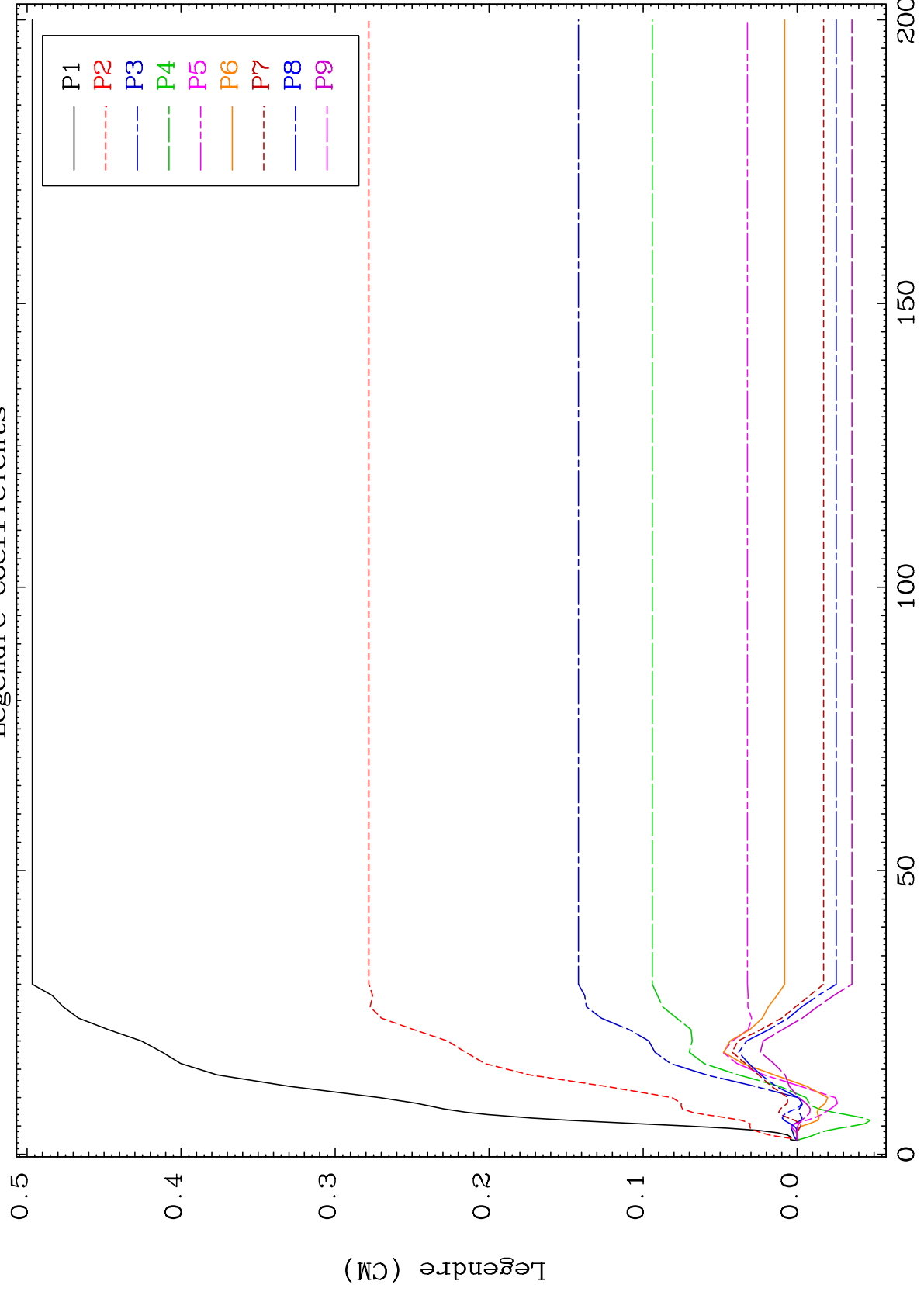


64-Gd-142

Incident Energy (MeV)

63

MAT 6395 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-142

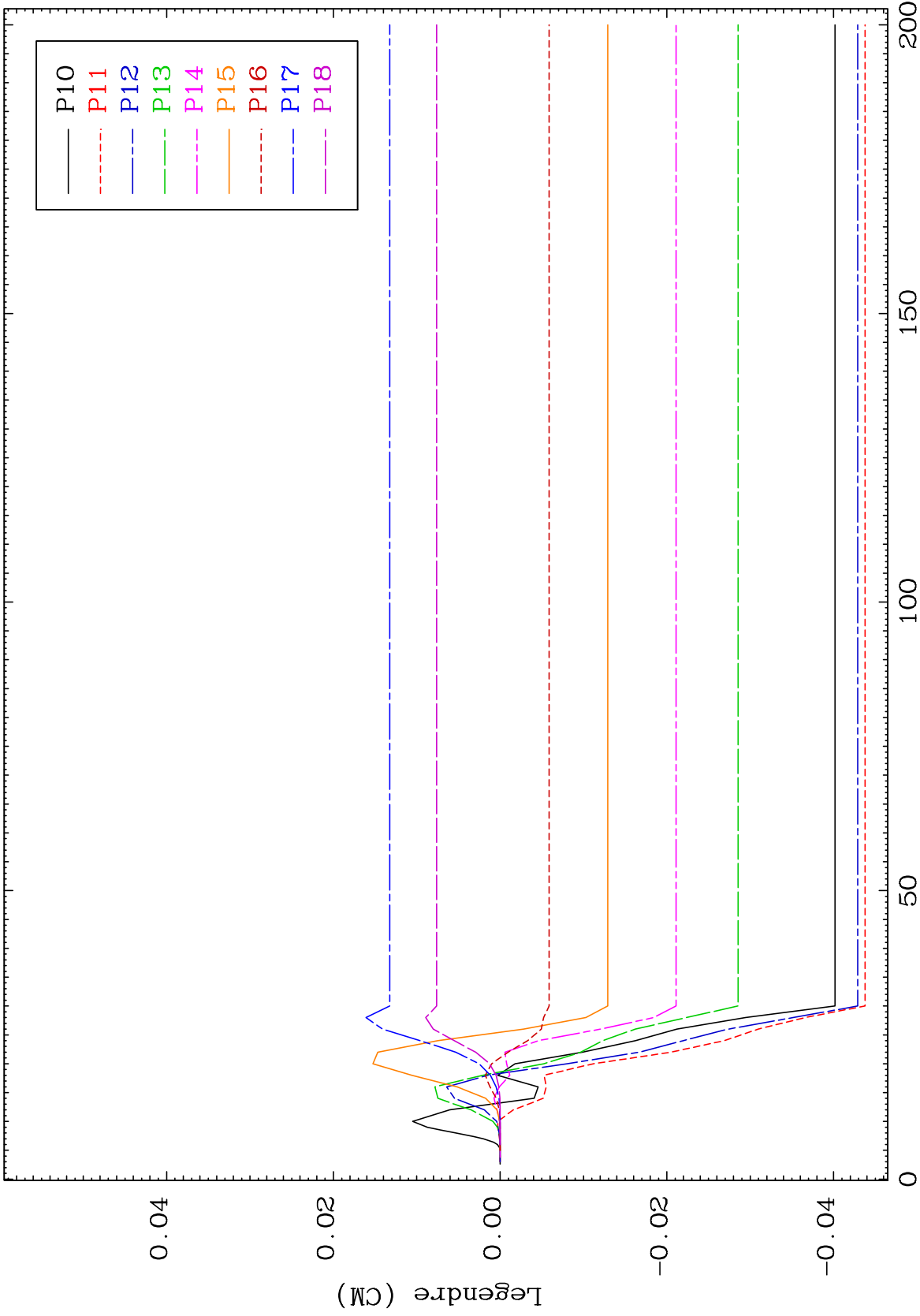


64 64-Gd-142

MAT 6395

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

64-Gd-142



65

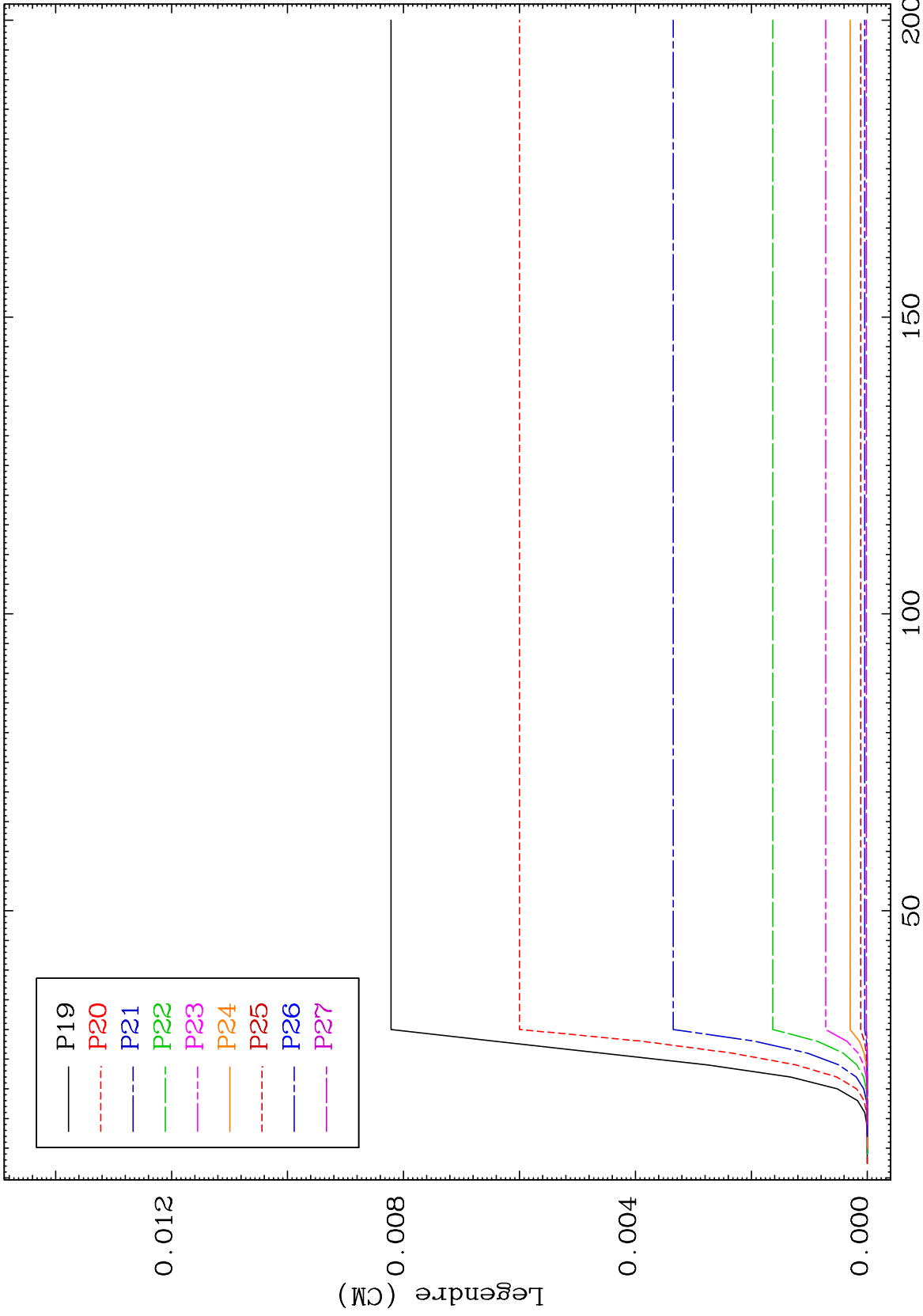
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



66

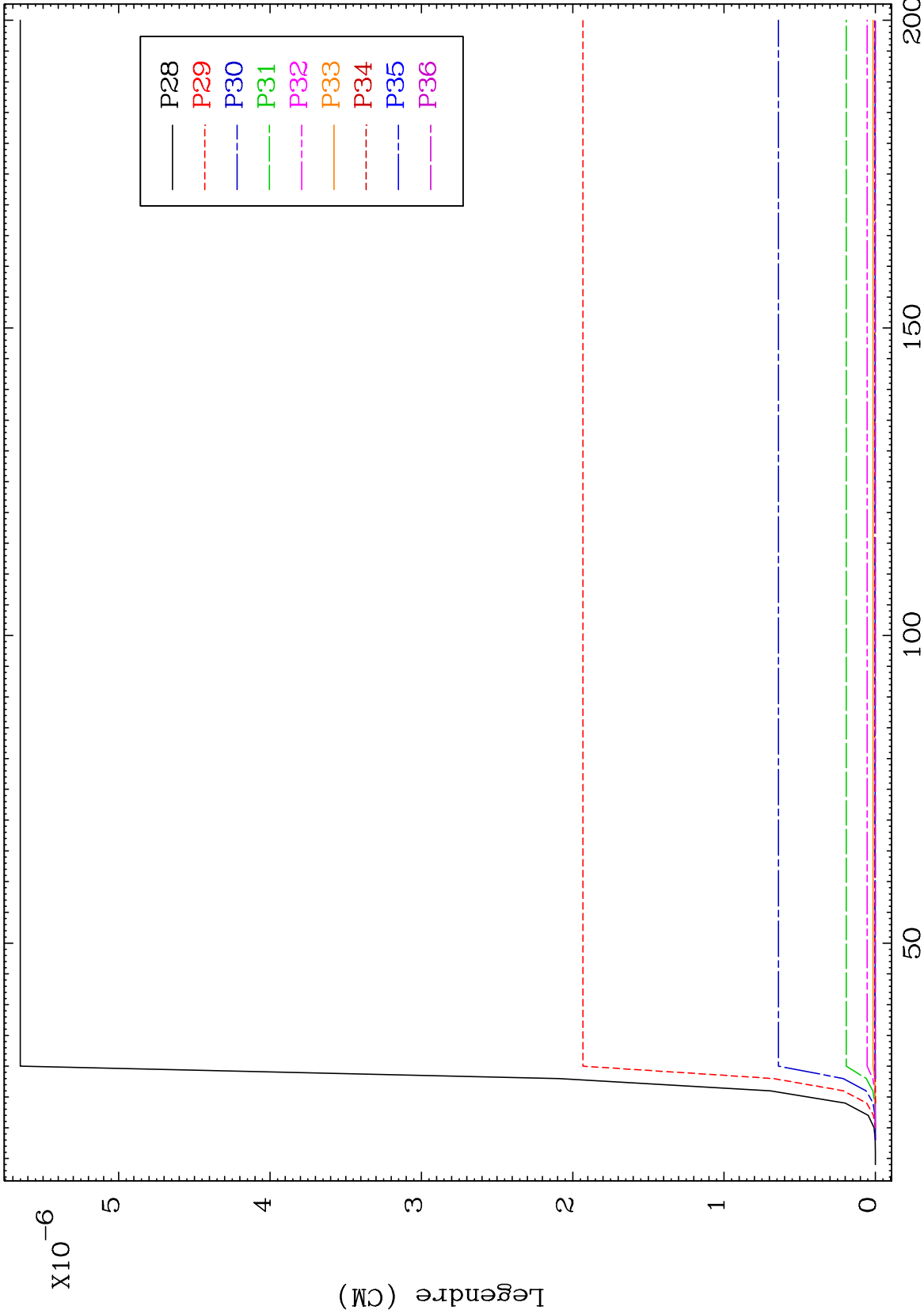
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



67

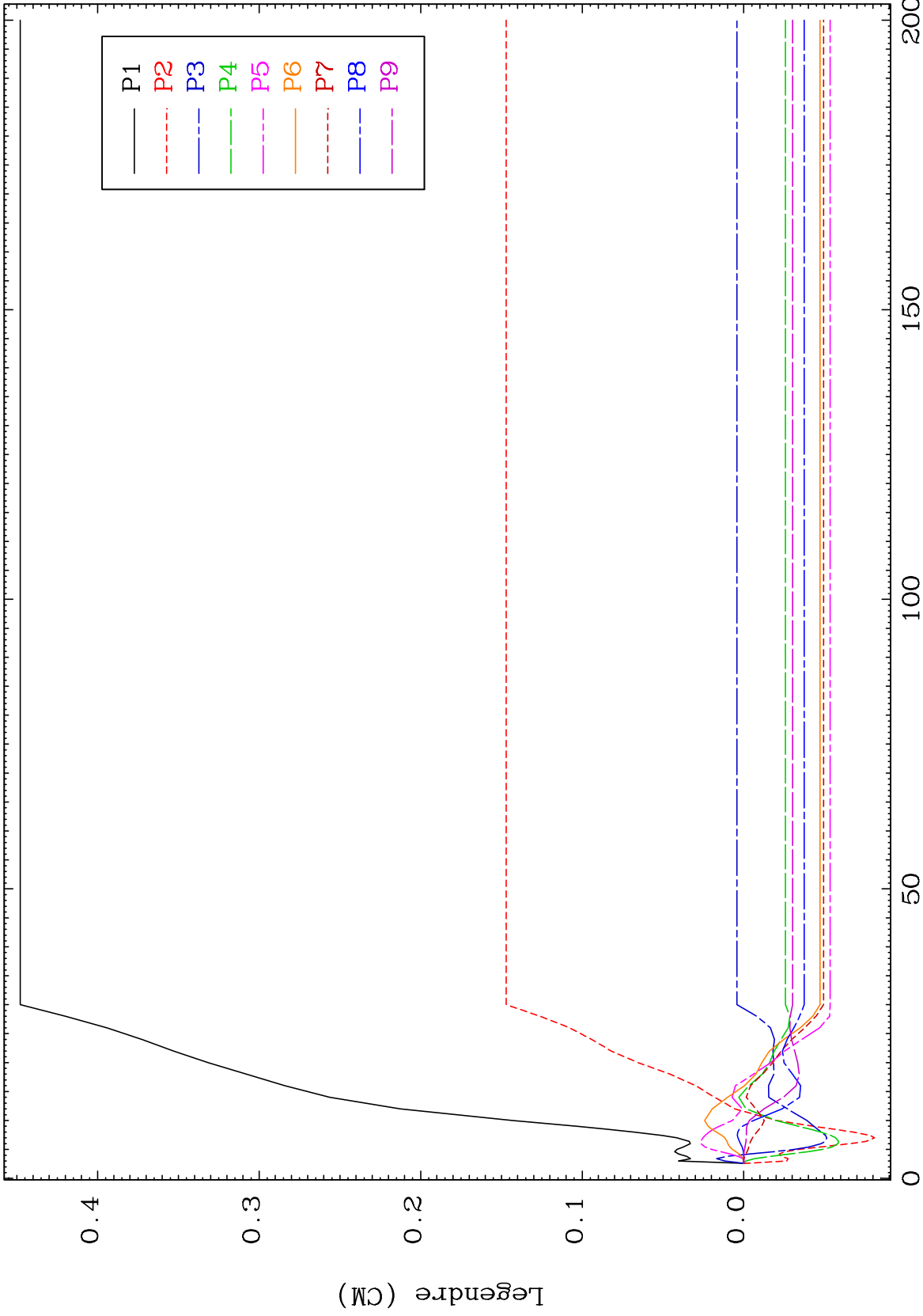
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



68

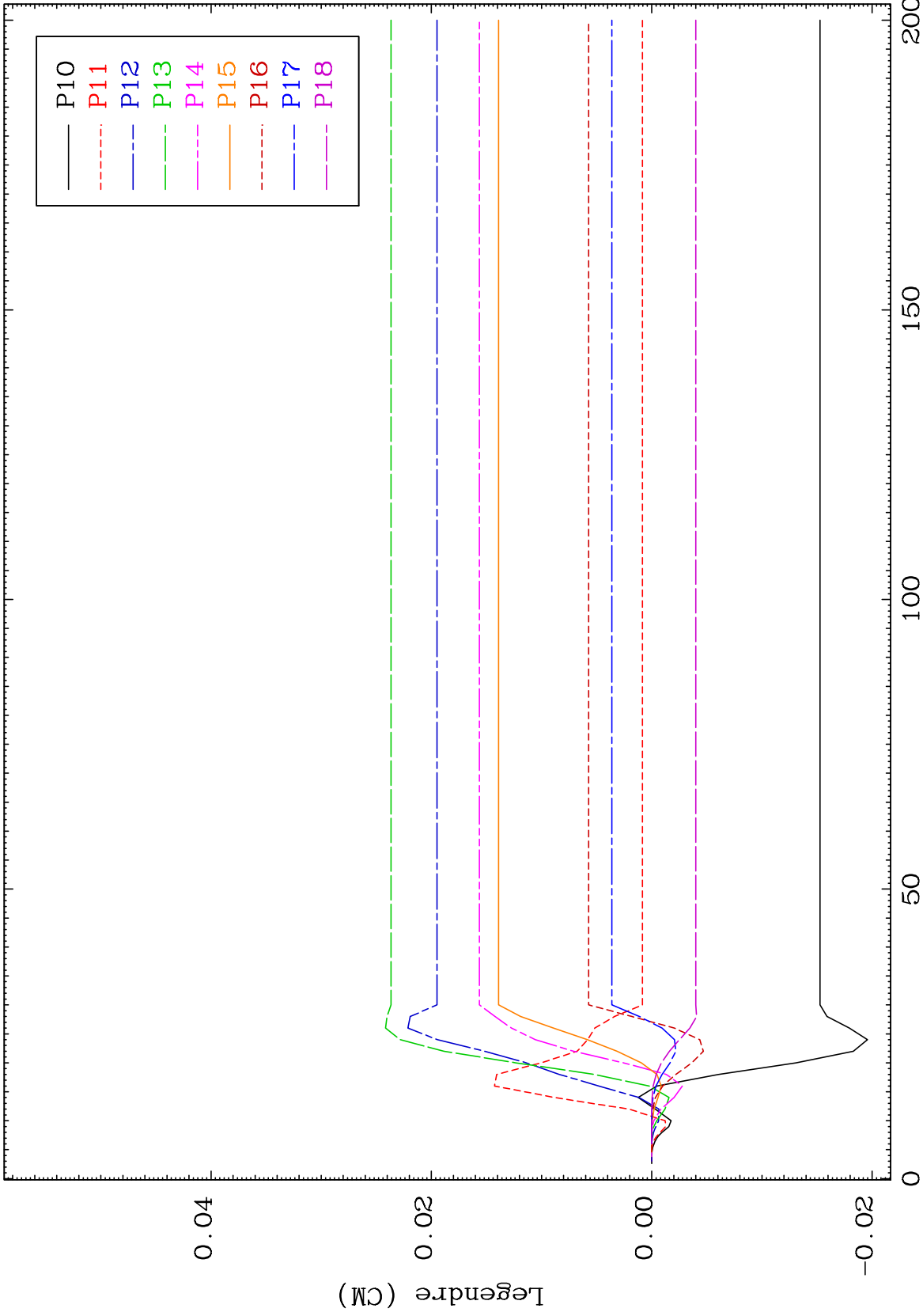
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



69

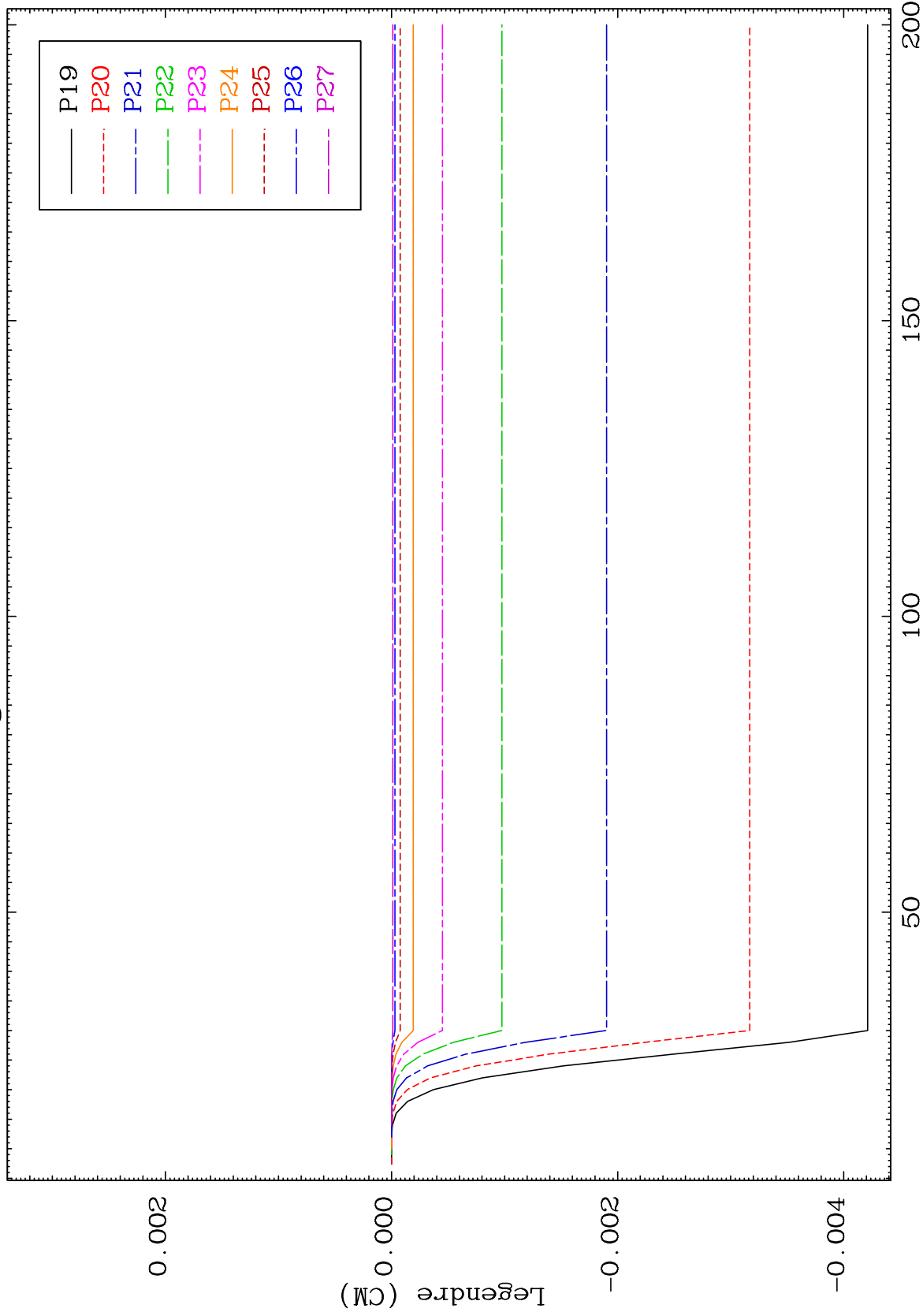
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



70

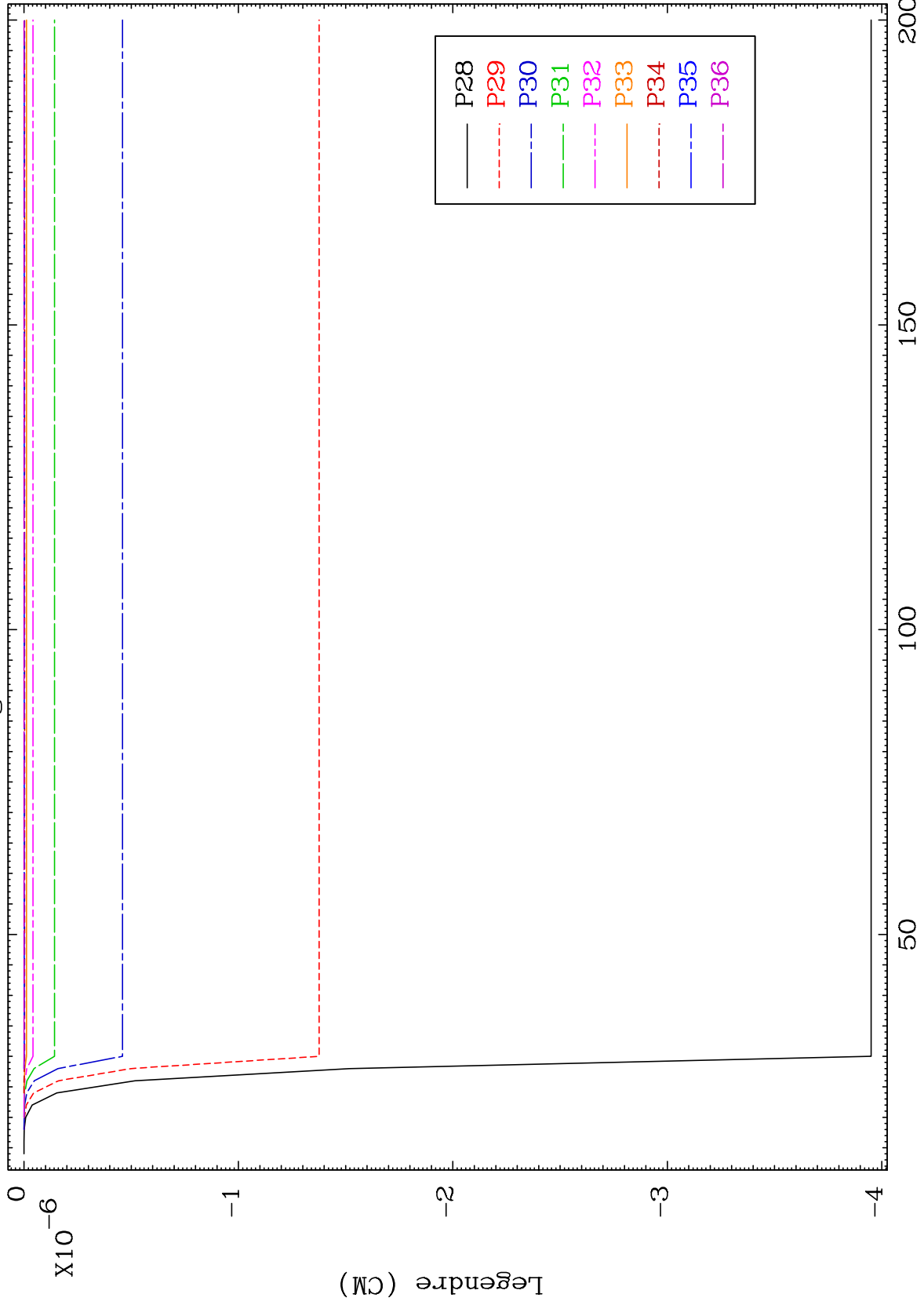
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

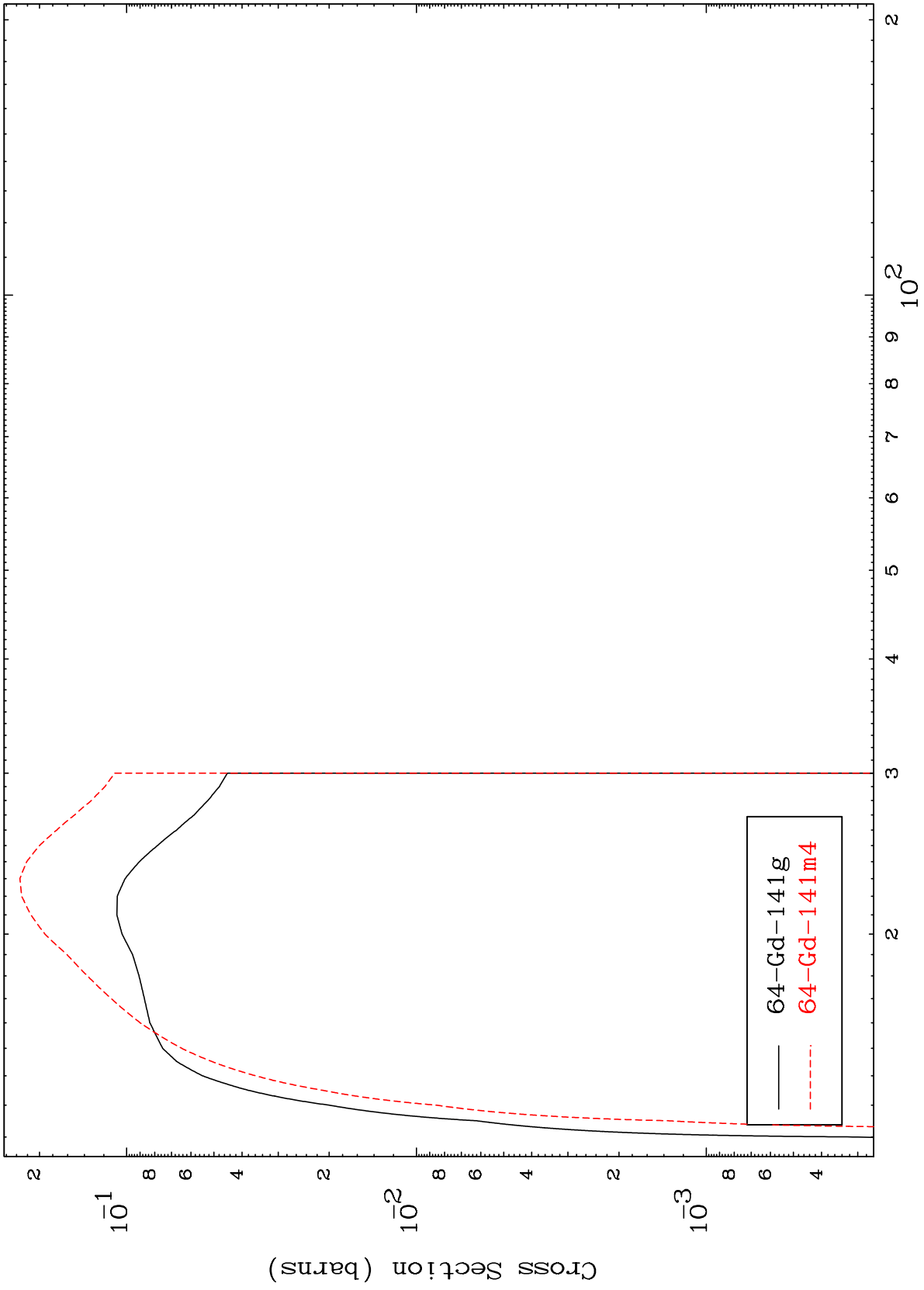
64-Gd-142



MAT 6395

64-Gd-142

(n,2n)
Radionuclide Production Cross Section



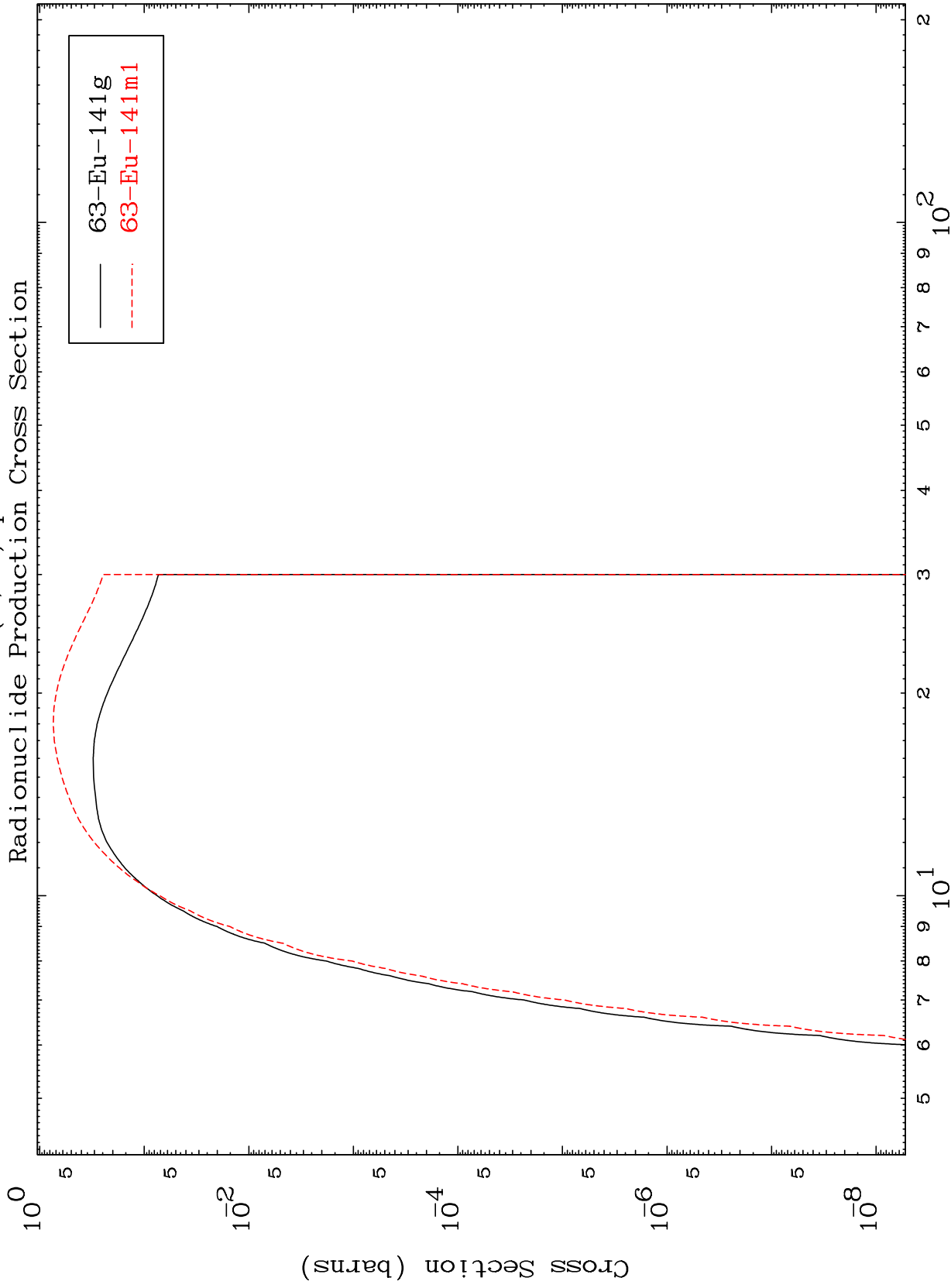
72

64-Gd-142

MAT 6395

(n,n') p

64-Gd-142



73

Incident Energy (MeV)

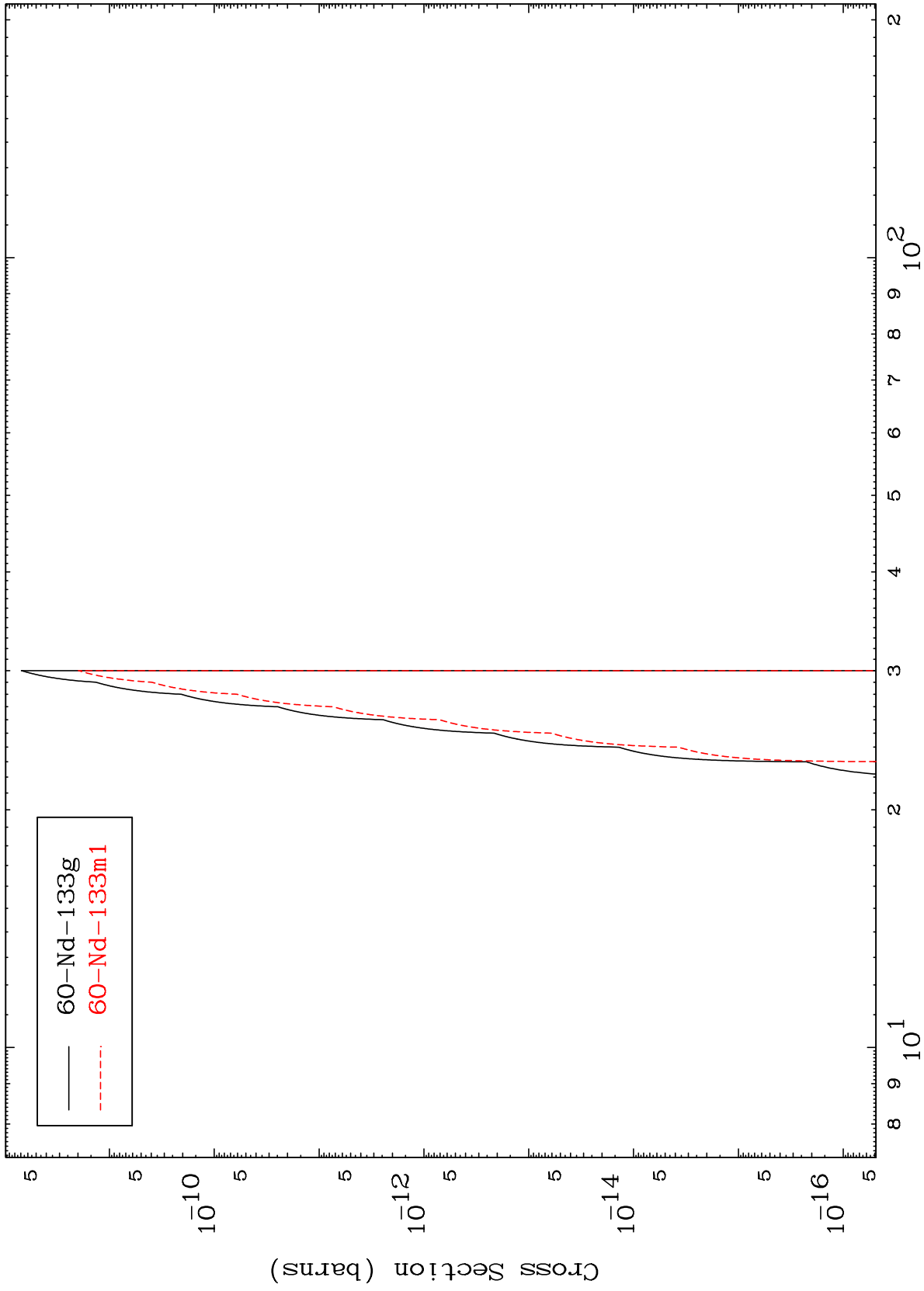
64-Gd-142

MAT 6395

(n,2n) 2 α

64-Gd-142

Radionuclide Production Cross Section



60-Nd-133g
60-Nd-133m1

74

Incident Energy (MeV)

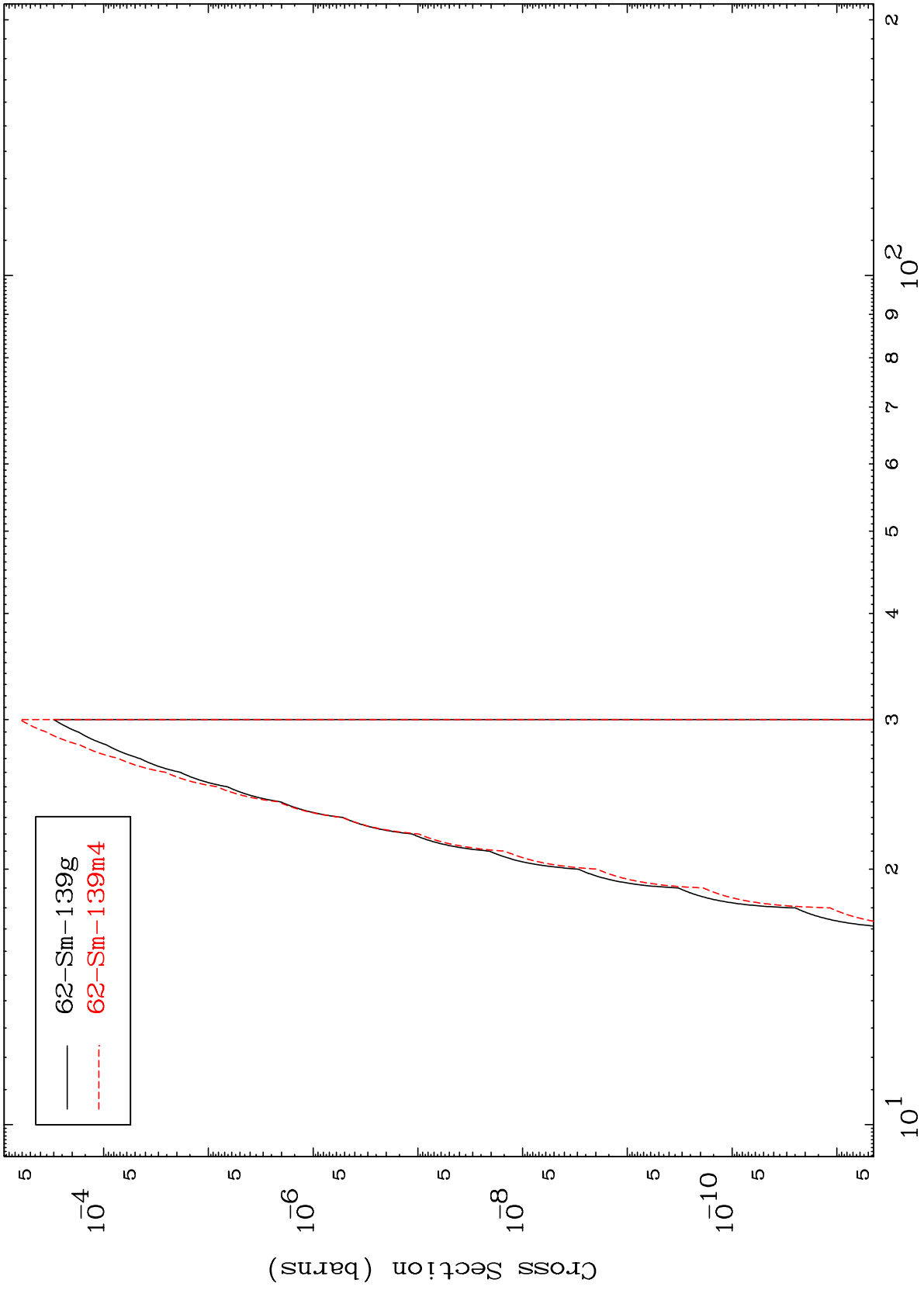
64-Gd-142

MAT 6395

(n, n') He-3

64-Gd-142

Radionuclide Production Cross Section



75

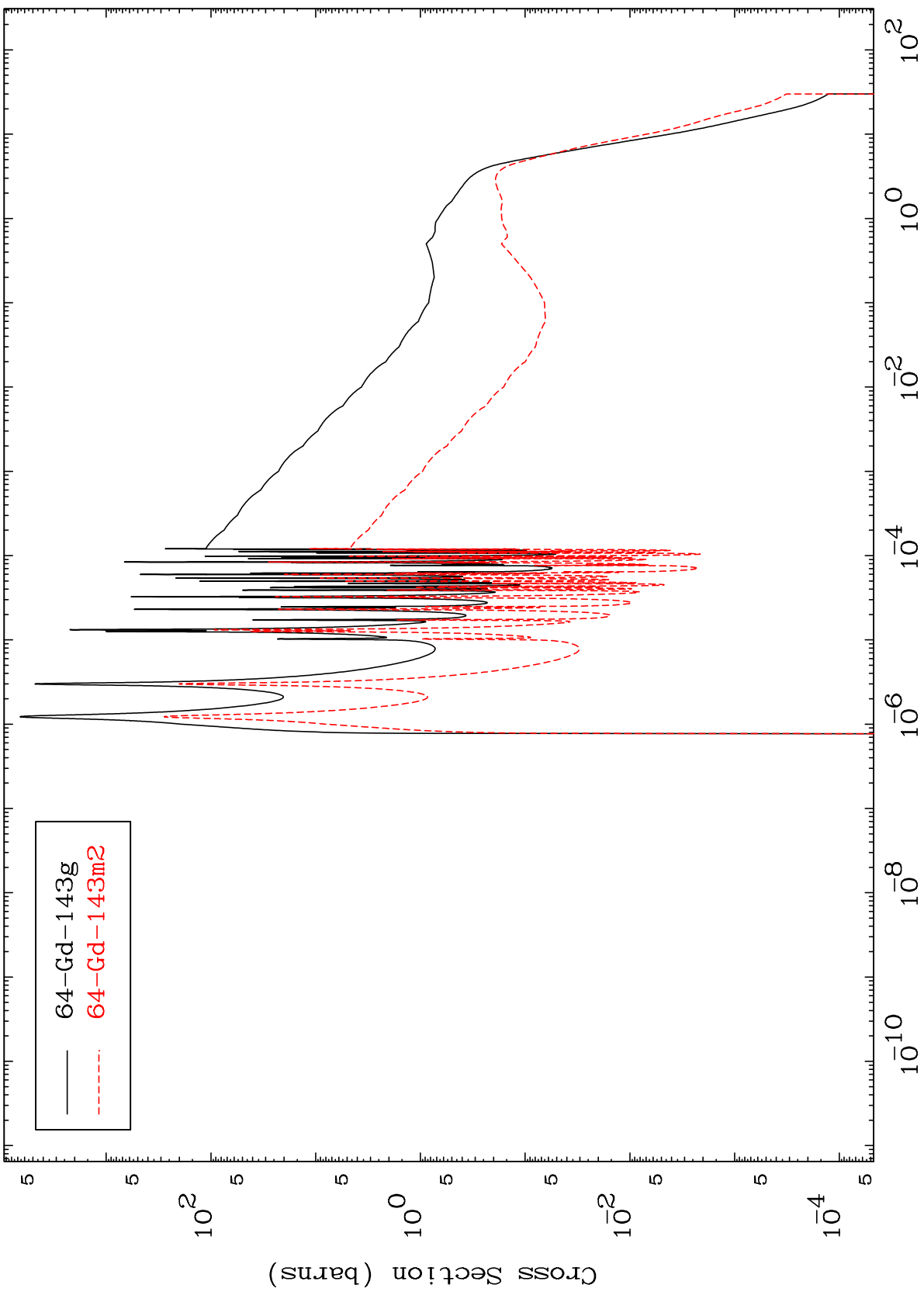
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n, γ)
Radionuclide Production Cross Section

64-Gd-142



76

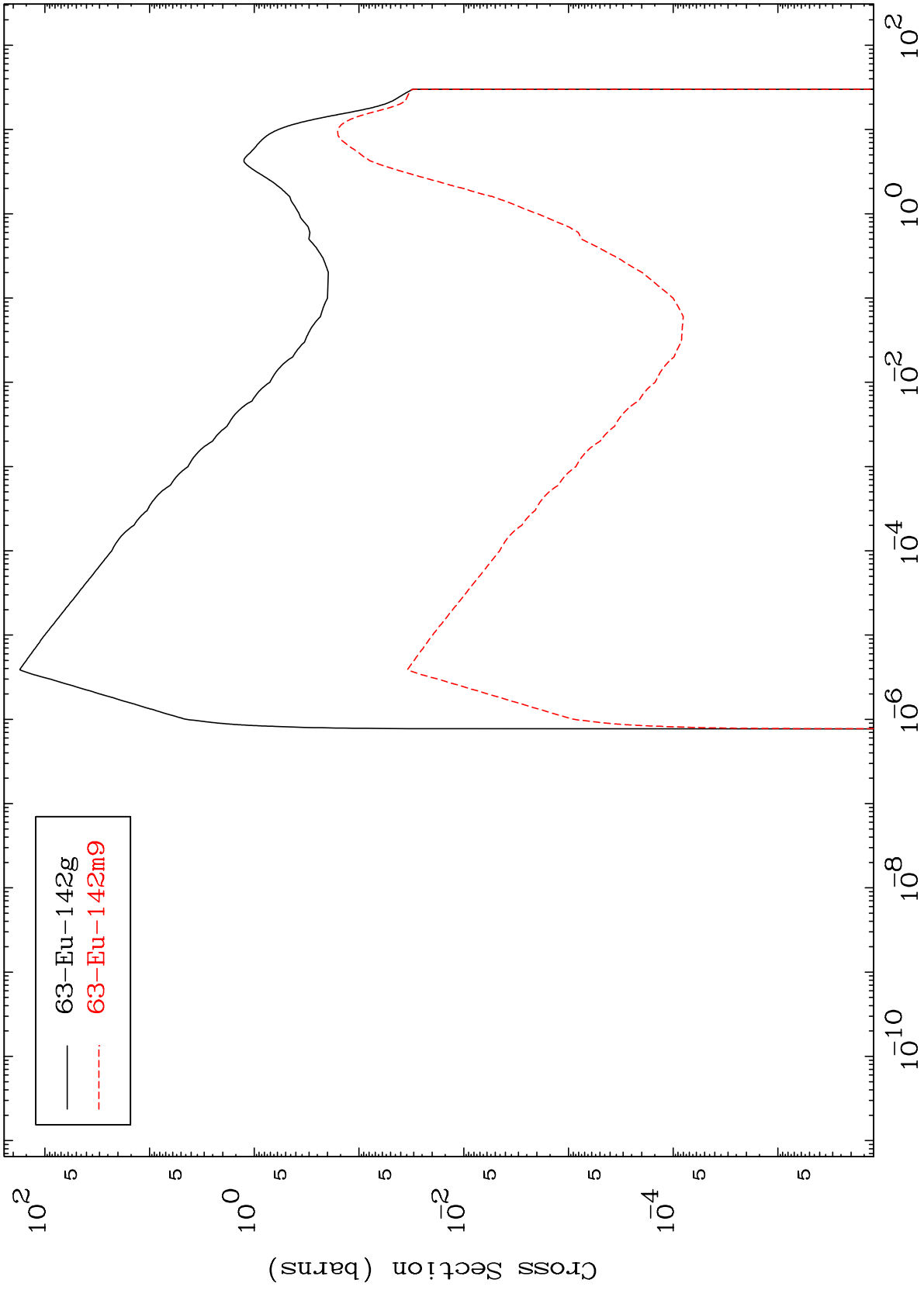
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(n,p)
Radionuclide Production Cross Section



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

64-Gd-142

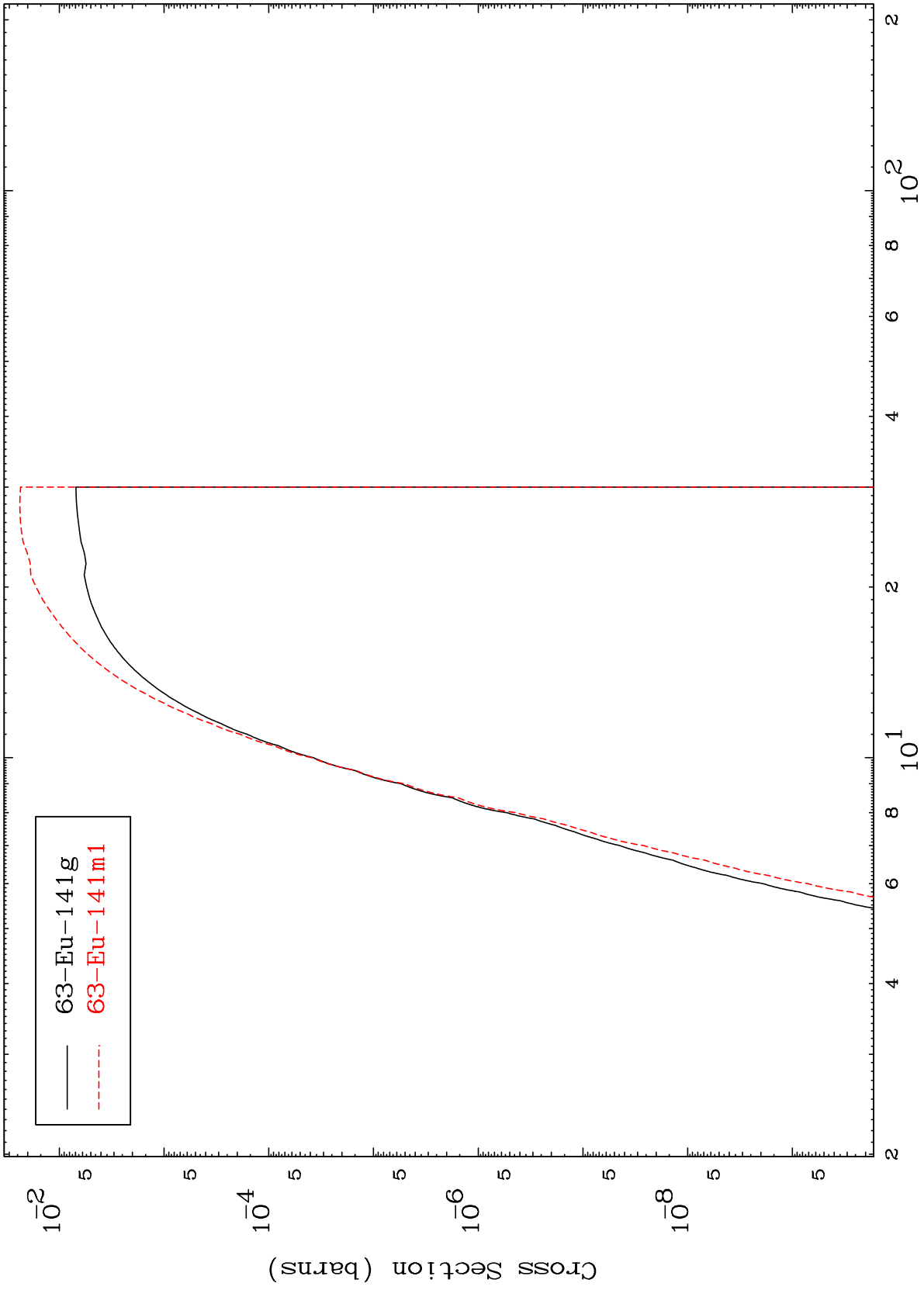
Incident Energy (MeV)

77

MAT 6395

(n,d)
Radionuclide Production Cross Section

64-Gd-142



78

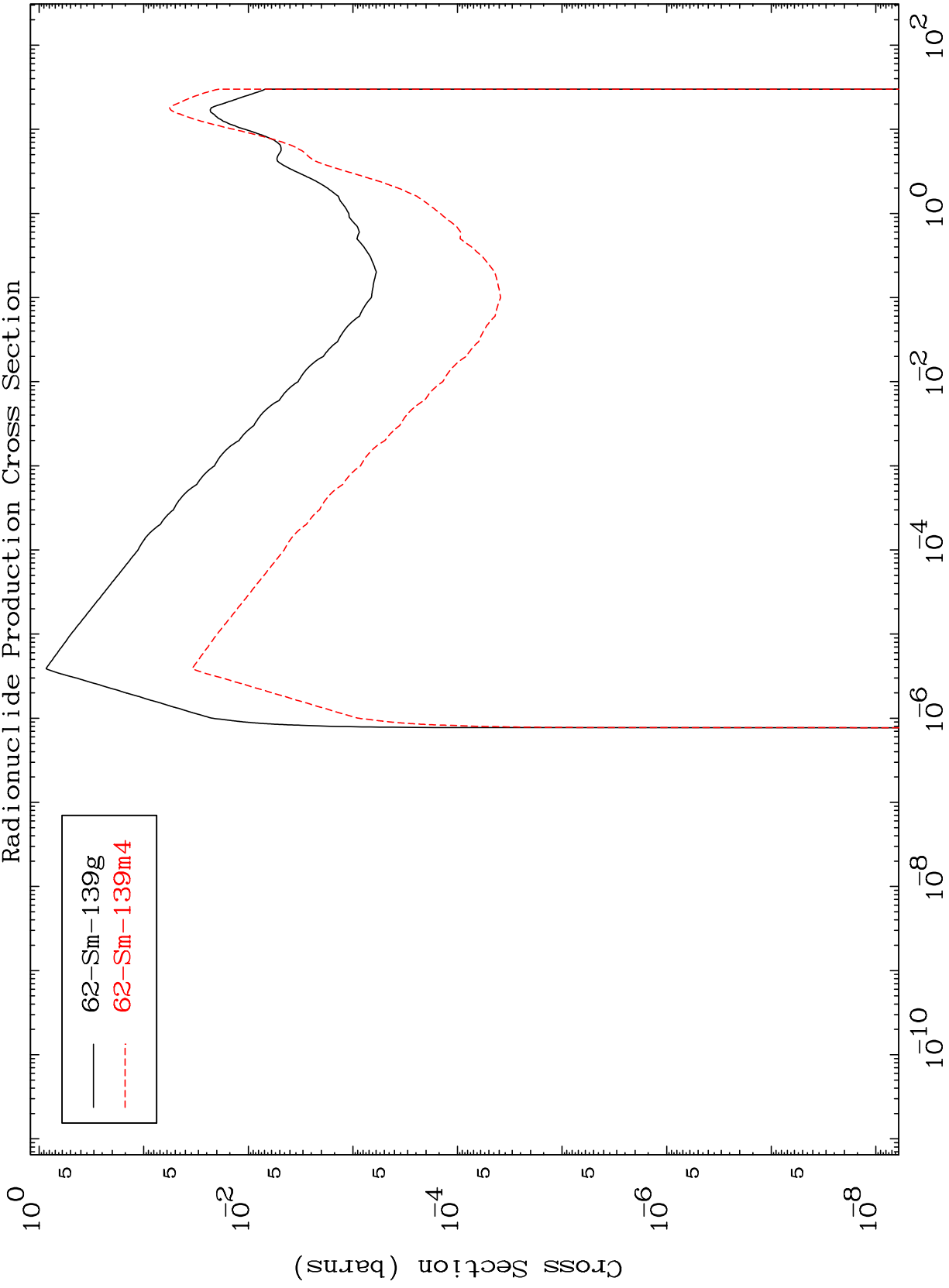
Incident Energy (MeV)

64-Gd-142

MAT 6395

Radionuclide Production Cross Section
(n, α)

64-Gd-142



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

79

Incident Energy (MeV)

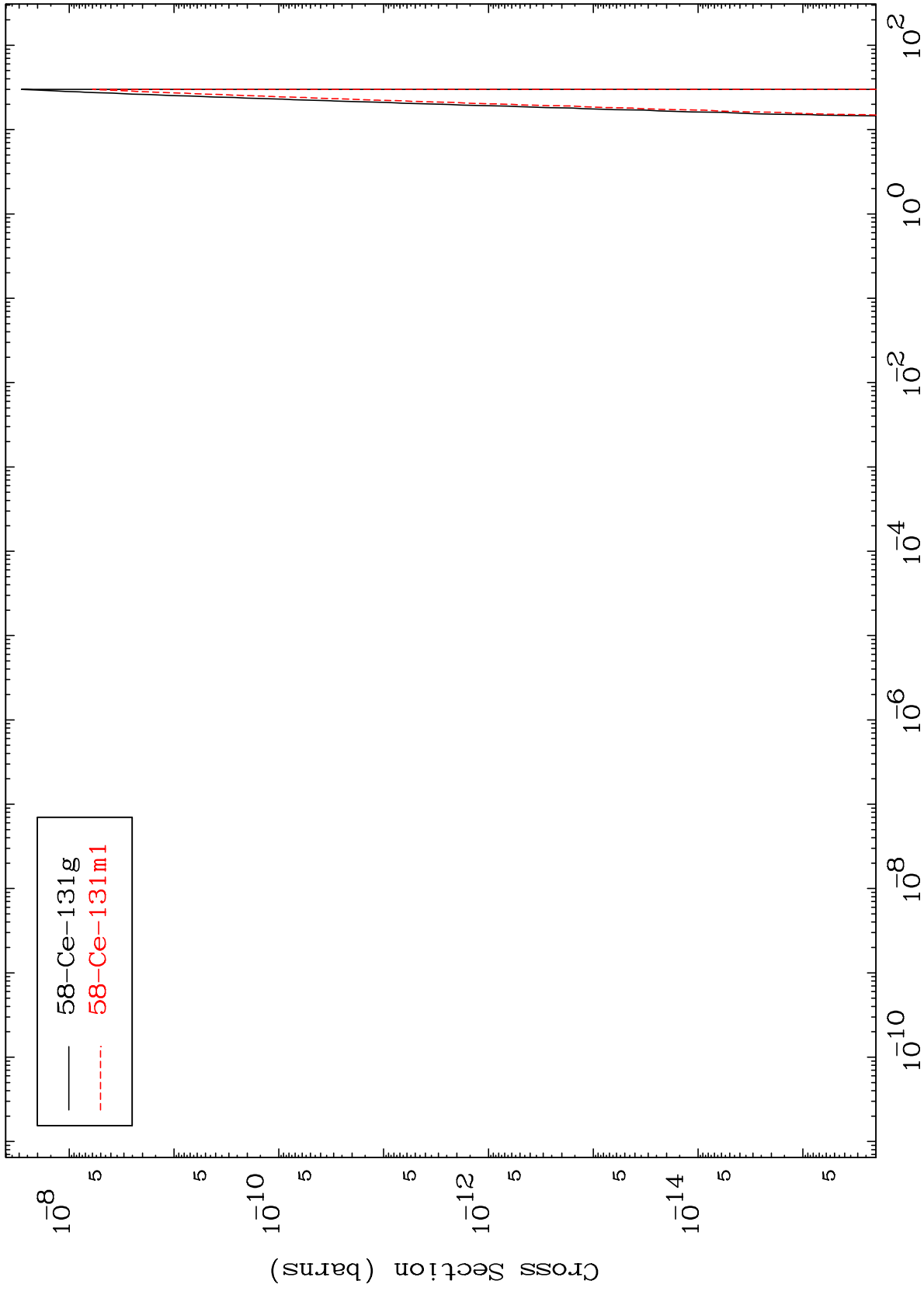
64-Gd-142

MAT 6395

(n,3α)

64-Gd-142

Radionuclide Production Cross Section



80

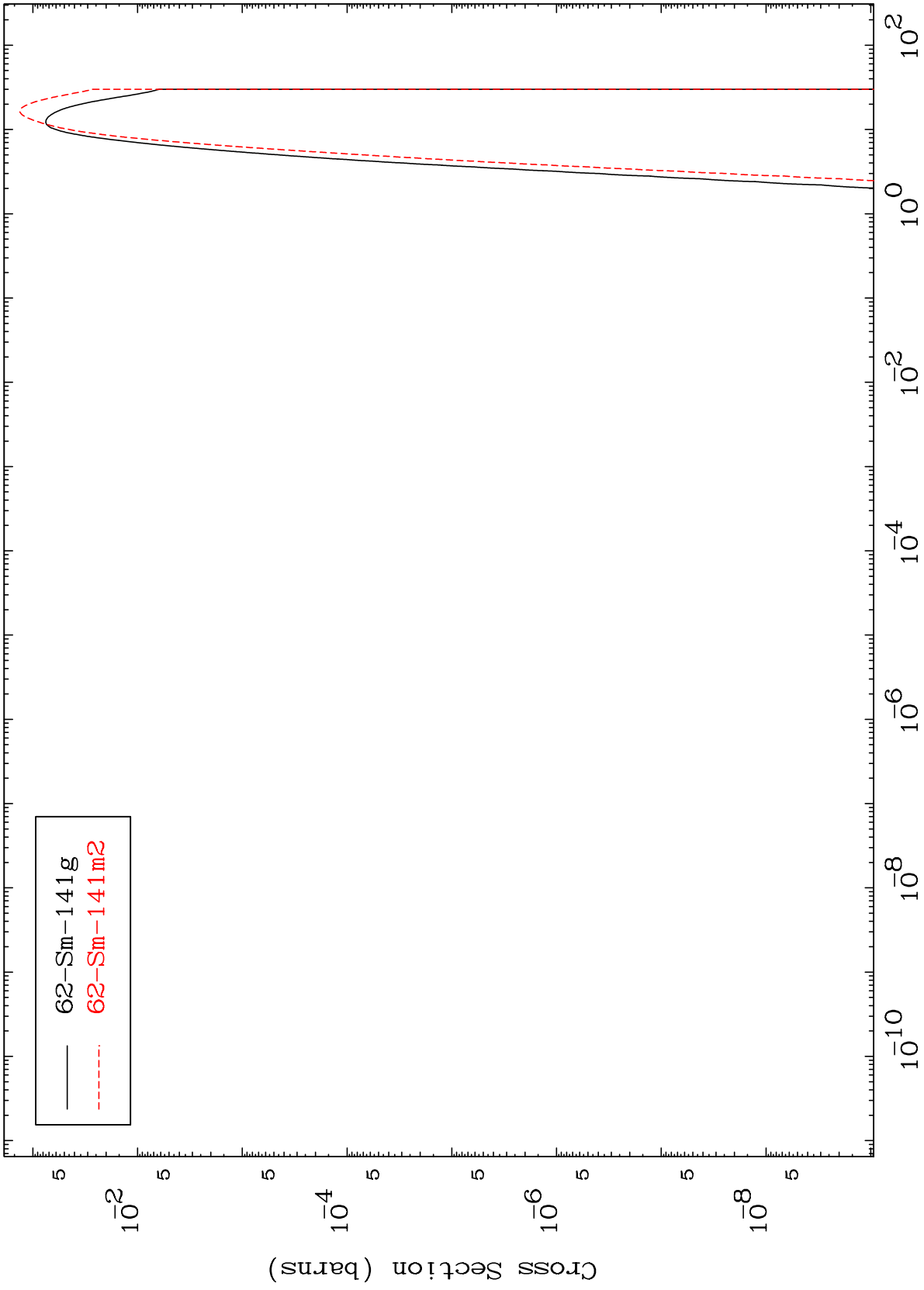
Incident Energy (MeV)

64-Gd-142

MAT 6395

Radionuclide Production Cross Section
(n,2p)

64-Gd-142



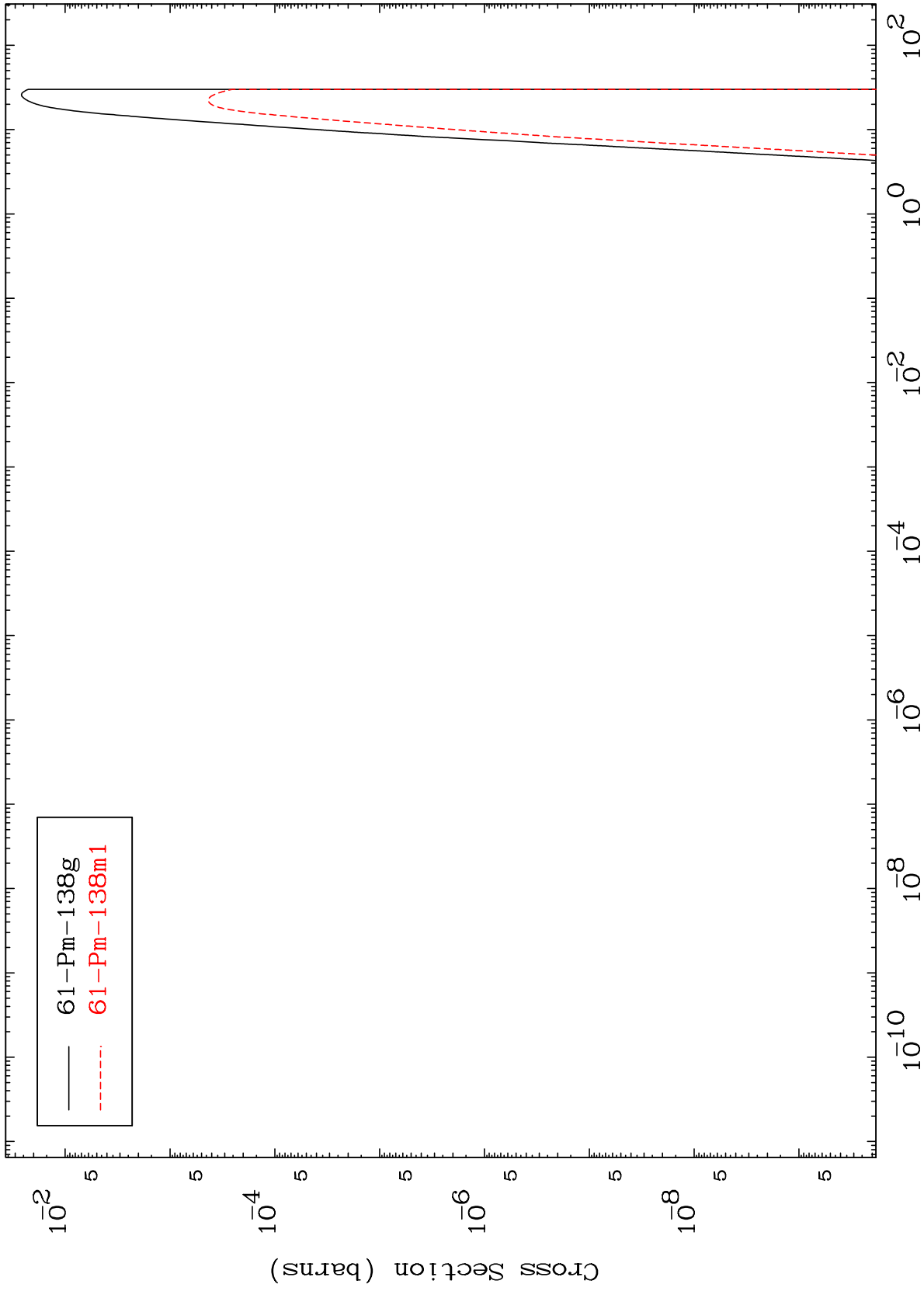
64-Gd-142

MAT 6395

(n,p) α

64-Gd-142

Radionuclide Production Cross Section



82

Incident Energy (MeV)

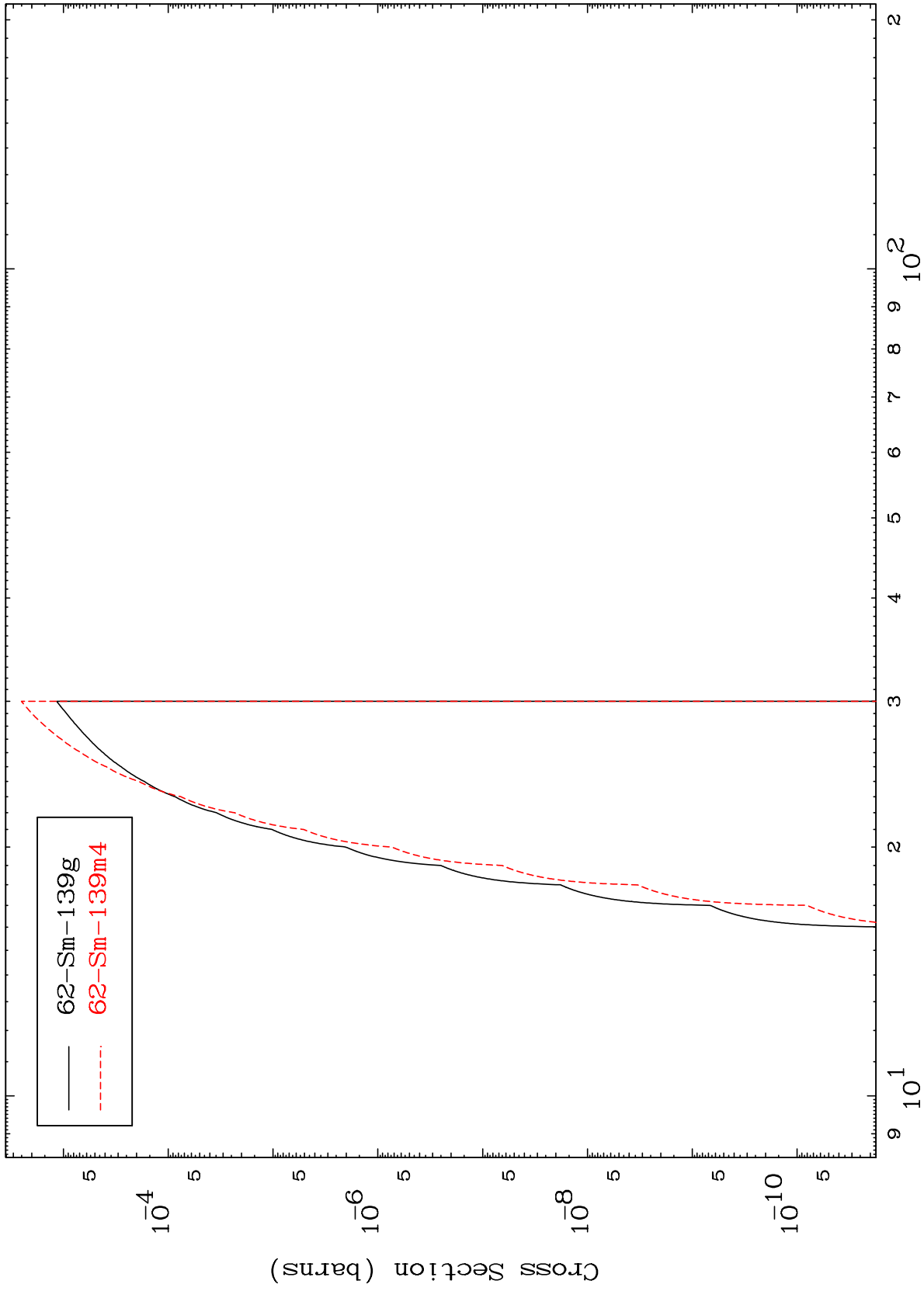
64-Gd-142

MAT 6395

(n,p) t

64-Gd-142

Radionuclide Production Cross Section



83

Incident Energy (MeV)

64-Gd-142