

Program EVALPLOT
(Version 2018-1)

by

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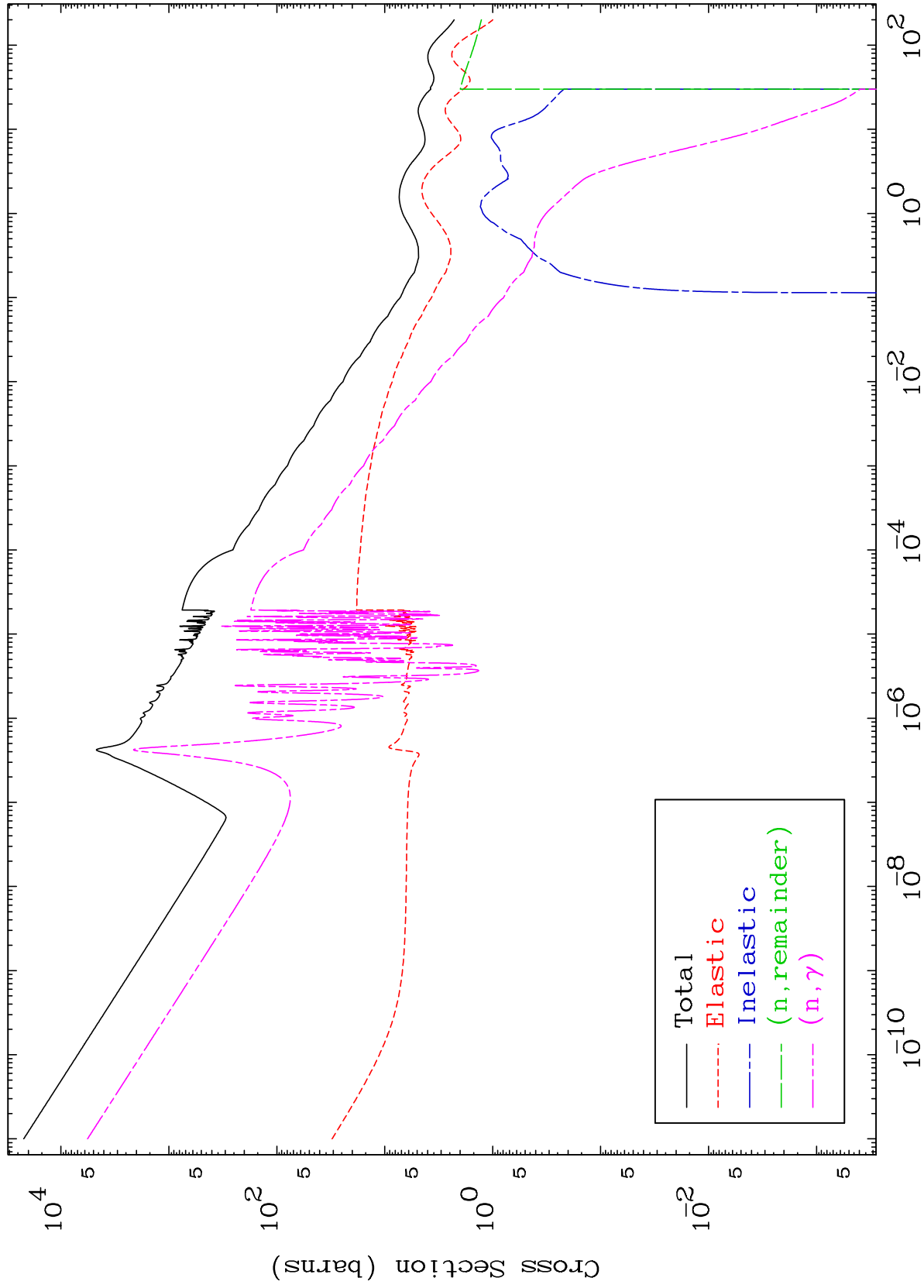
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6392

Major
293 Kelvin Cross Sections

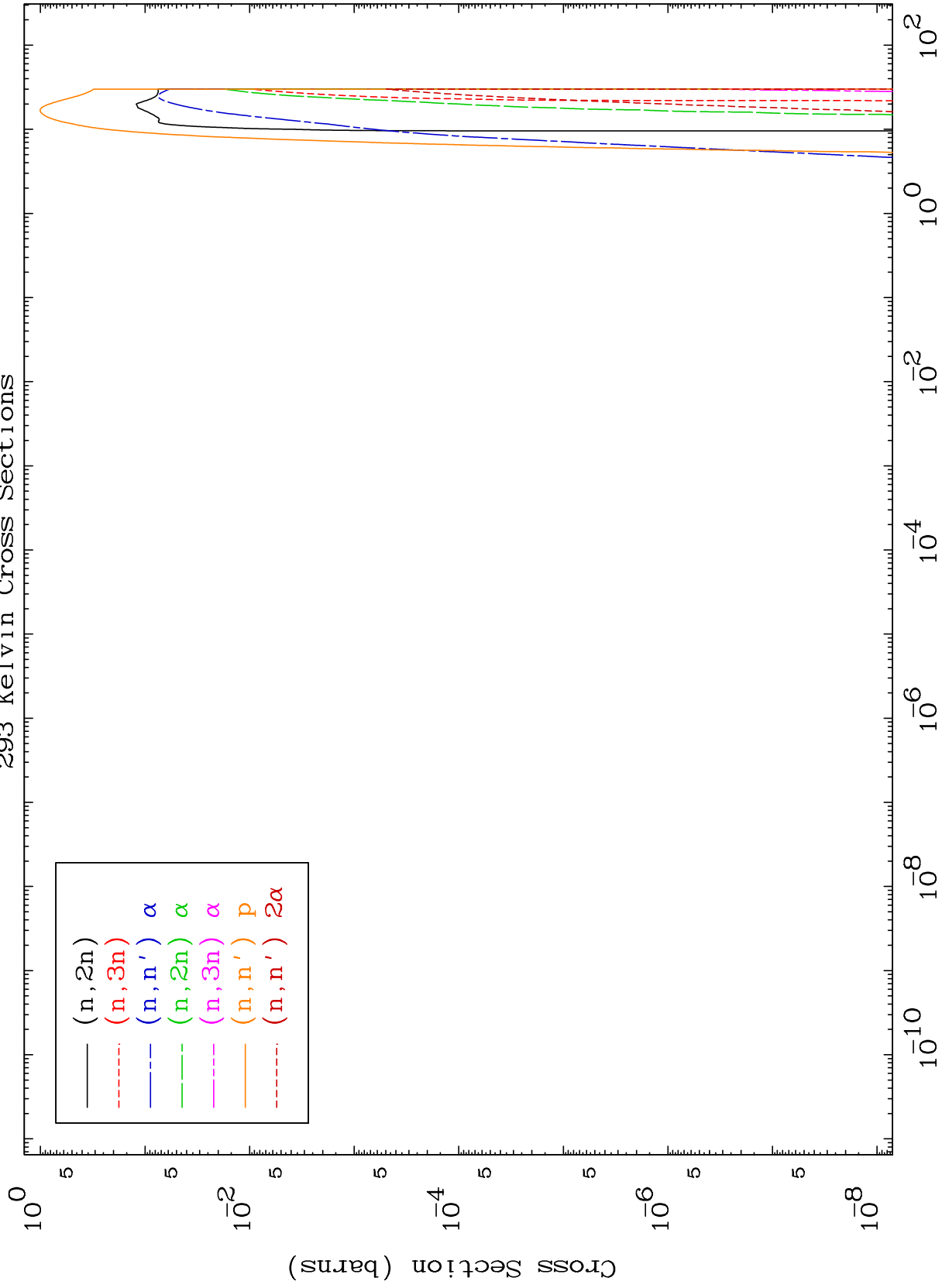
64-Gd-141



MAT 6392

Neutron Production
293 Kelvin Cross Sections

64-Gd-141



2

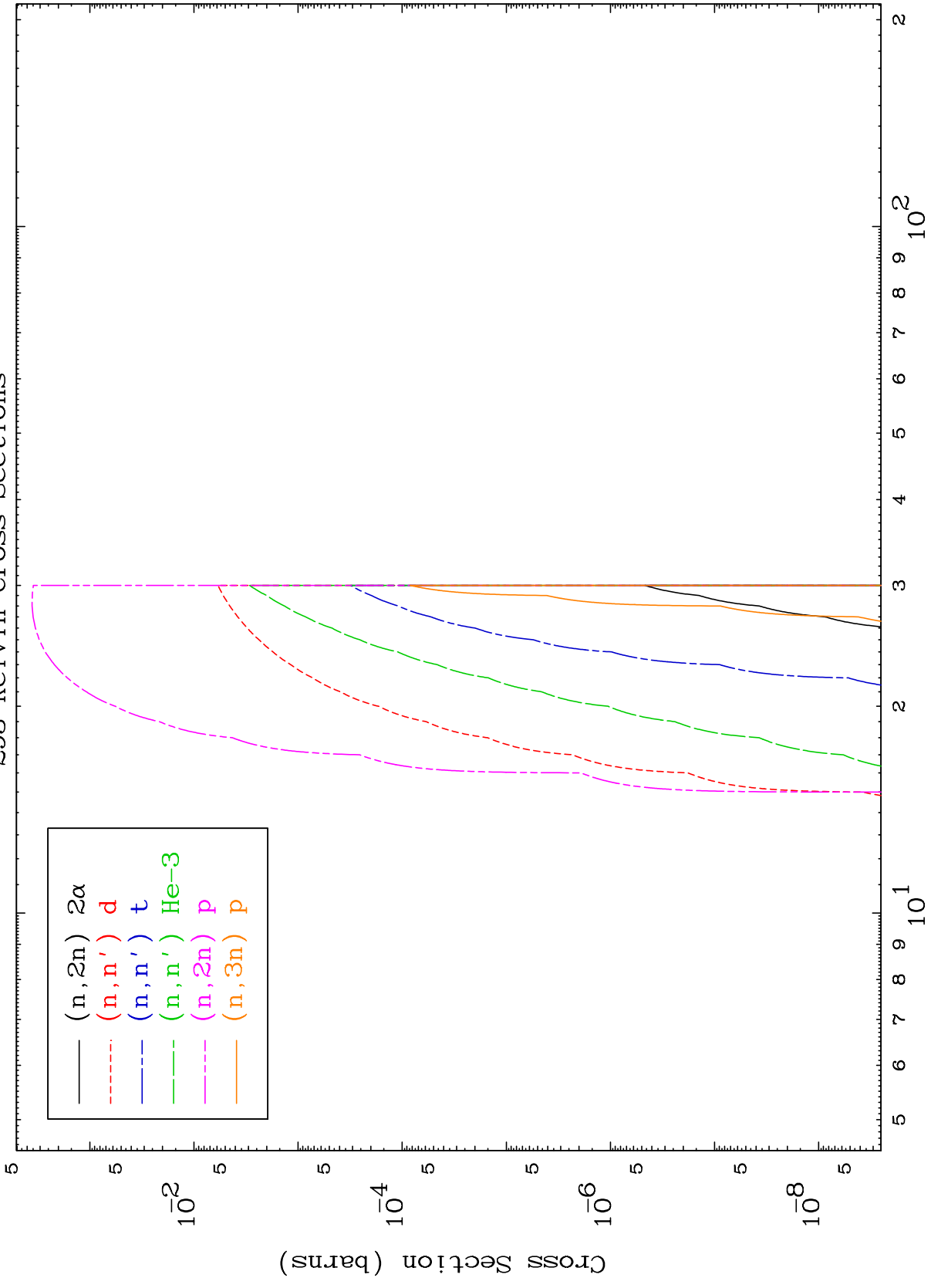
Incident Energy (MeV)

64-Gd-141

MAT 6392

Neutron Production
293 Kelvin Cross Sections

64-Gd-141



3

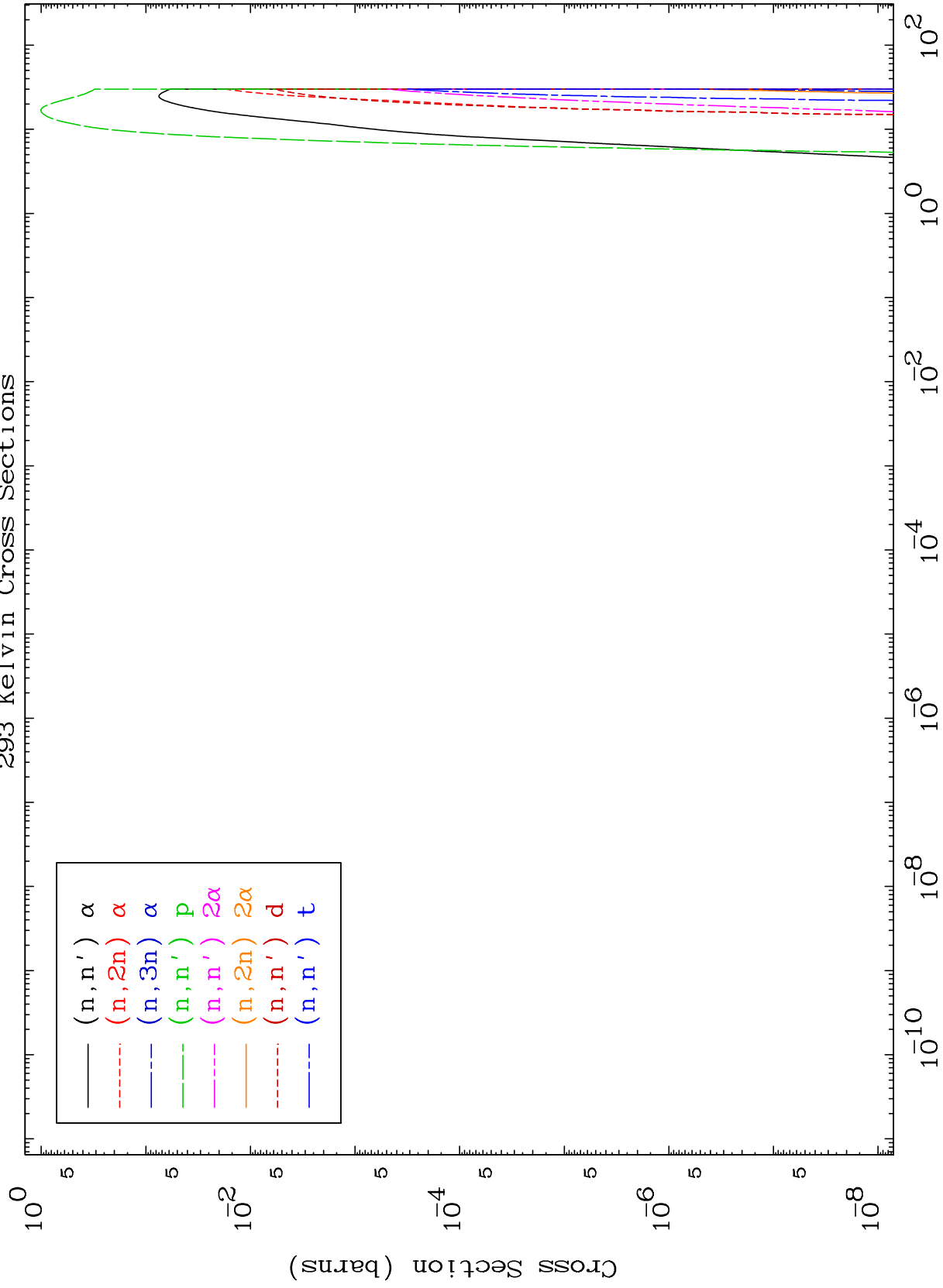
Incident Energy (MeV)

64-Gd-141

MAT 6392

293 Charged Particle
Kelvin Cross Sections

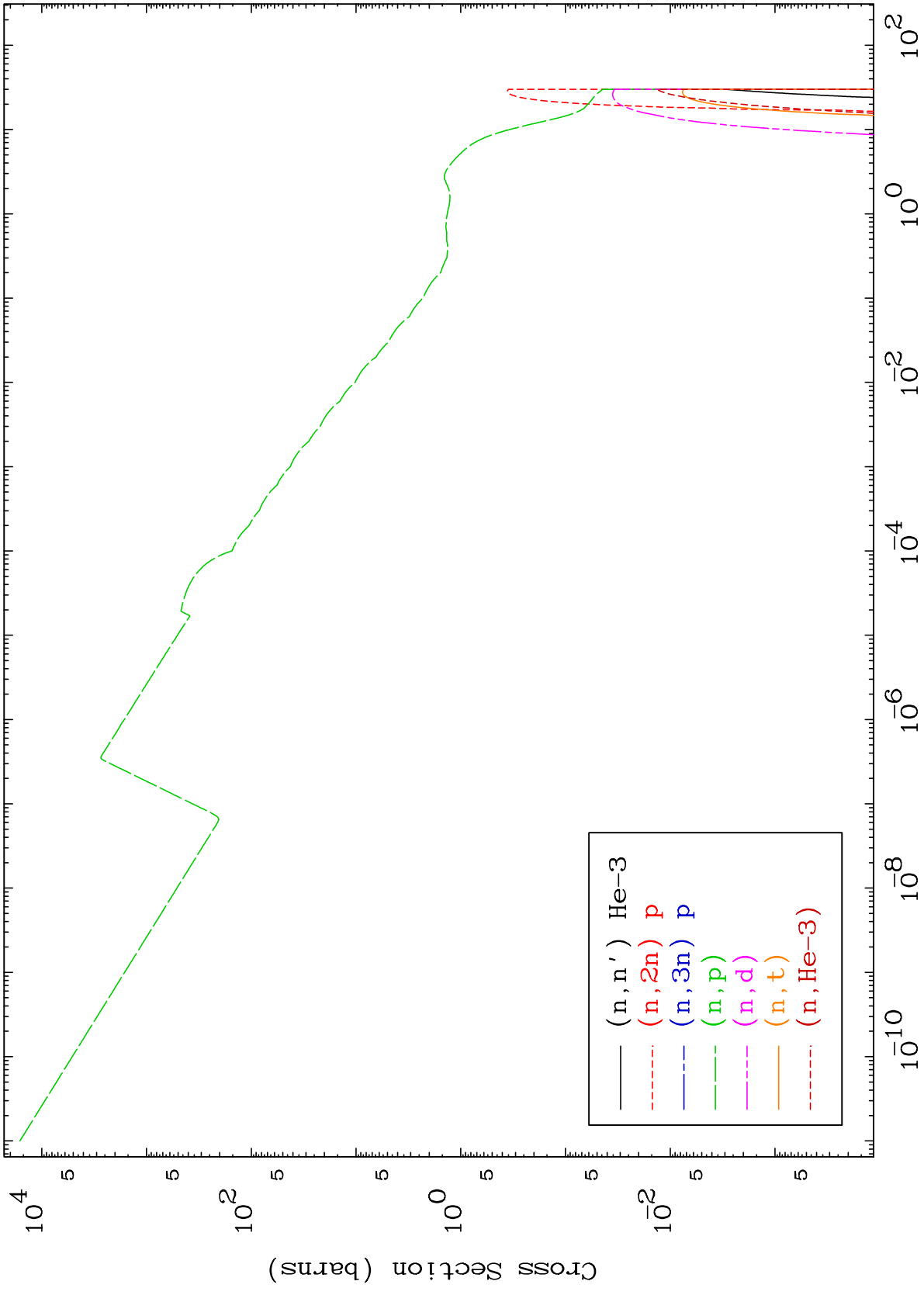
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MAT 6392

Charged Particle
293 Kelvin Cross Sections

64-Gd-141

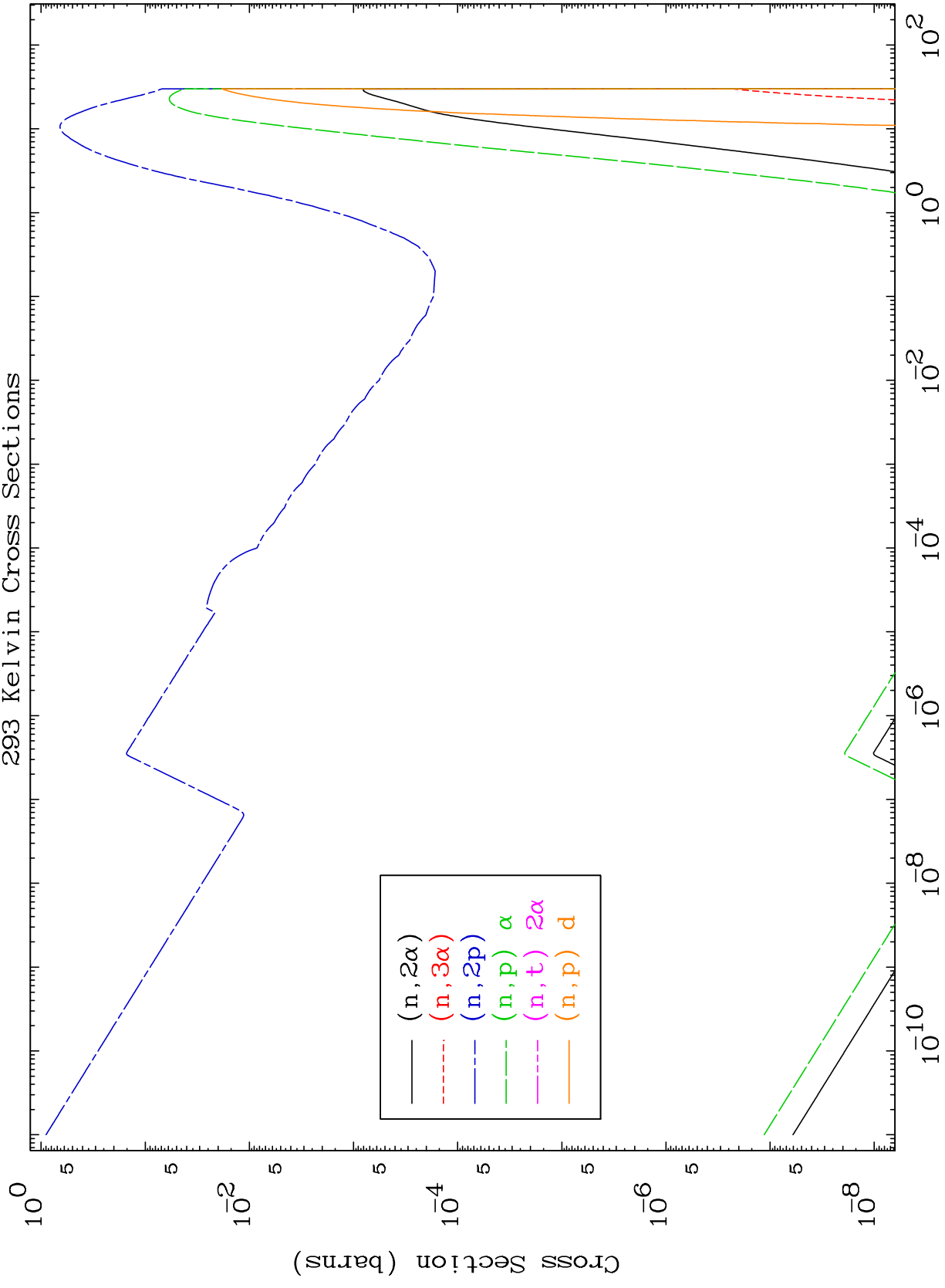


64-Gd-141

MAT 6392

293 Kelvin Cross Sections

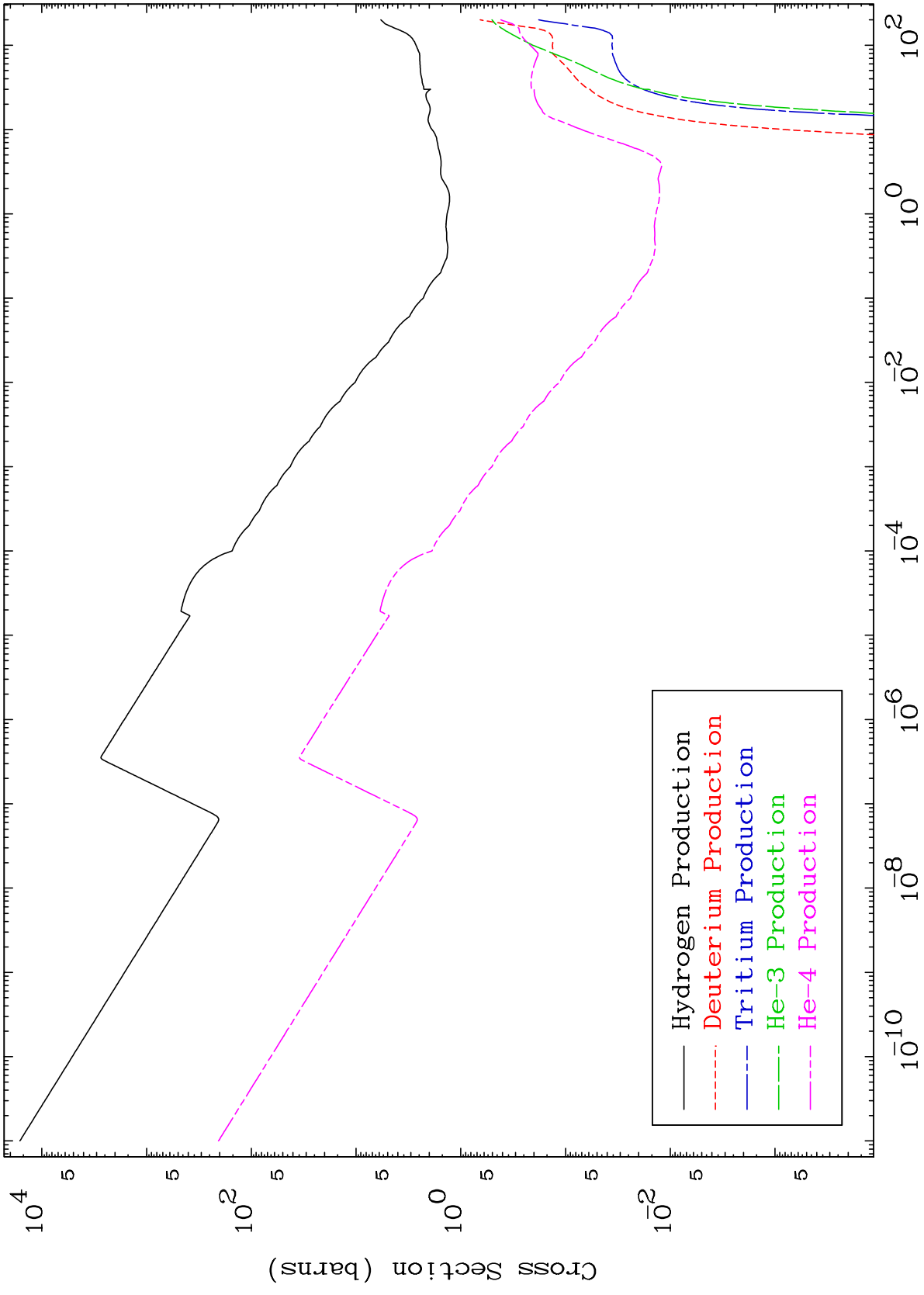
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MAT 6392

Particle Production
293 Kelvin Cross Sections

64-Gd-141



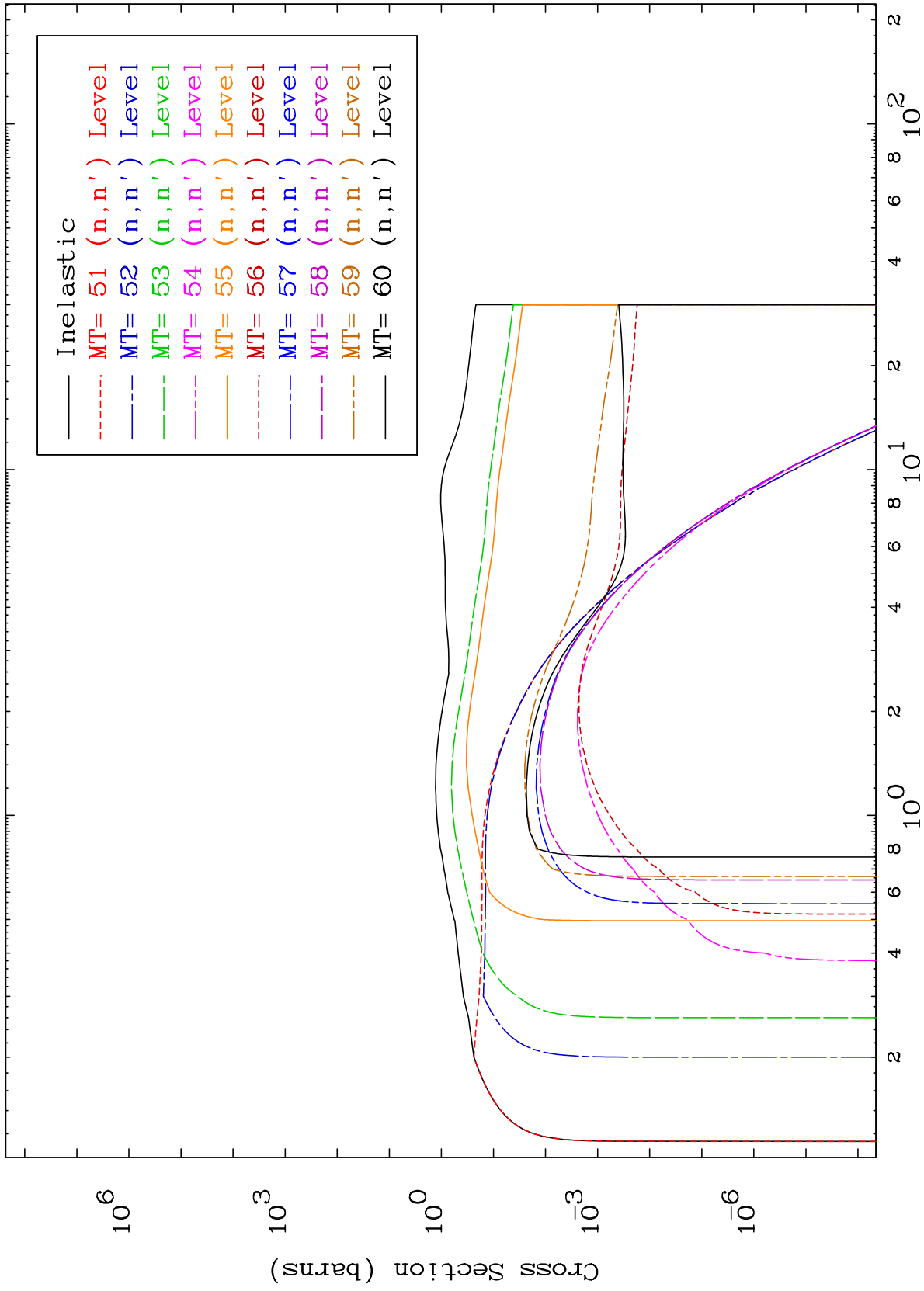
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MAT 6392

(n,n') Level

64-Gd-141

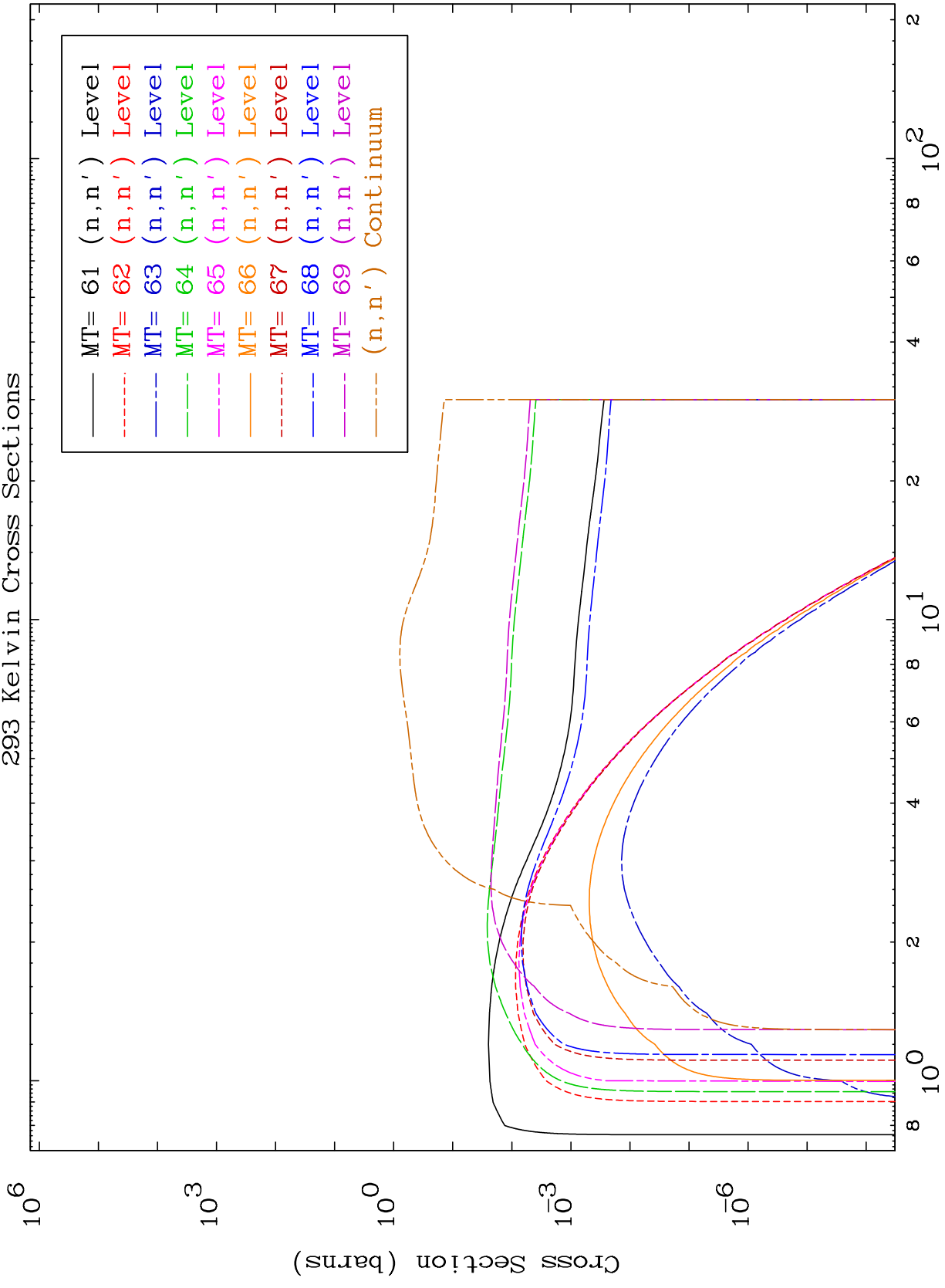
293 Kelvin Cross Sections



MAT 6392

(n,n') Level
293 Kelvin Cross Sections

64-Gd-141



9

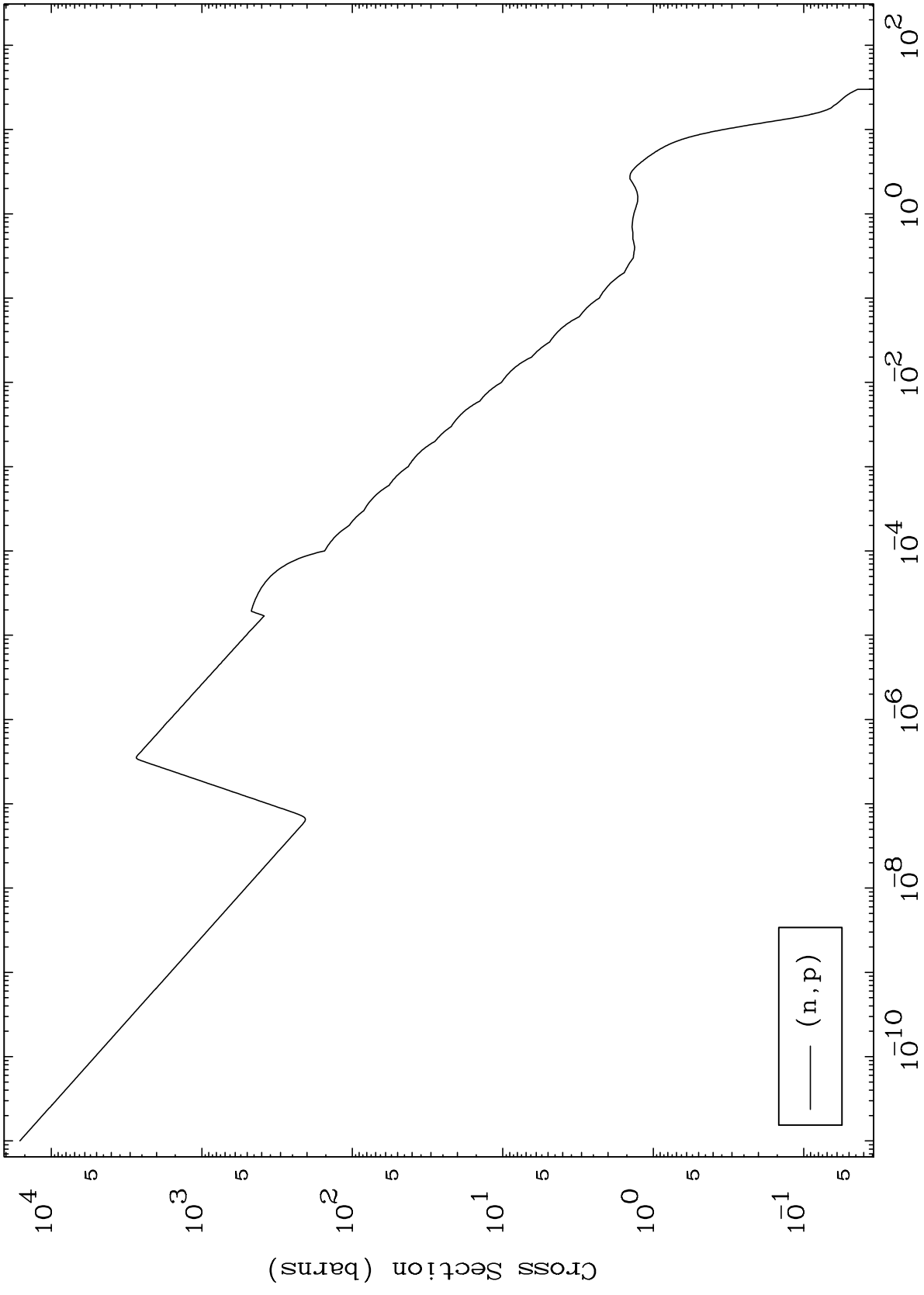
Incident Energy (MeV)

64-Gd-141

MAT 6392

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-141



10

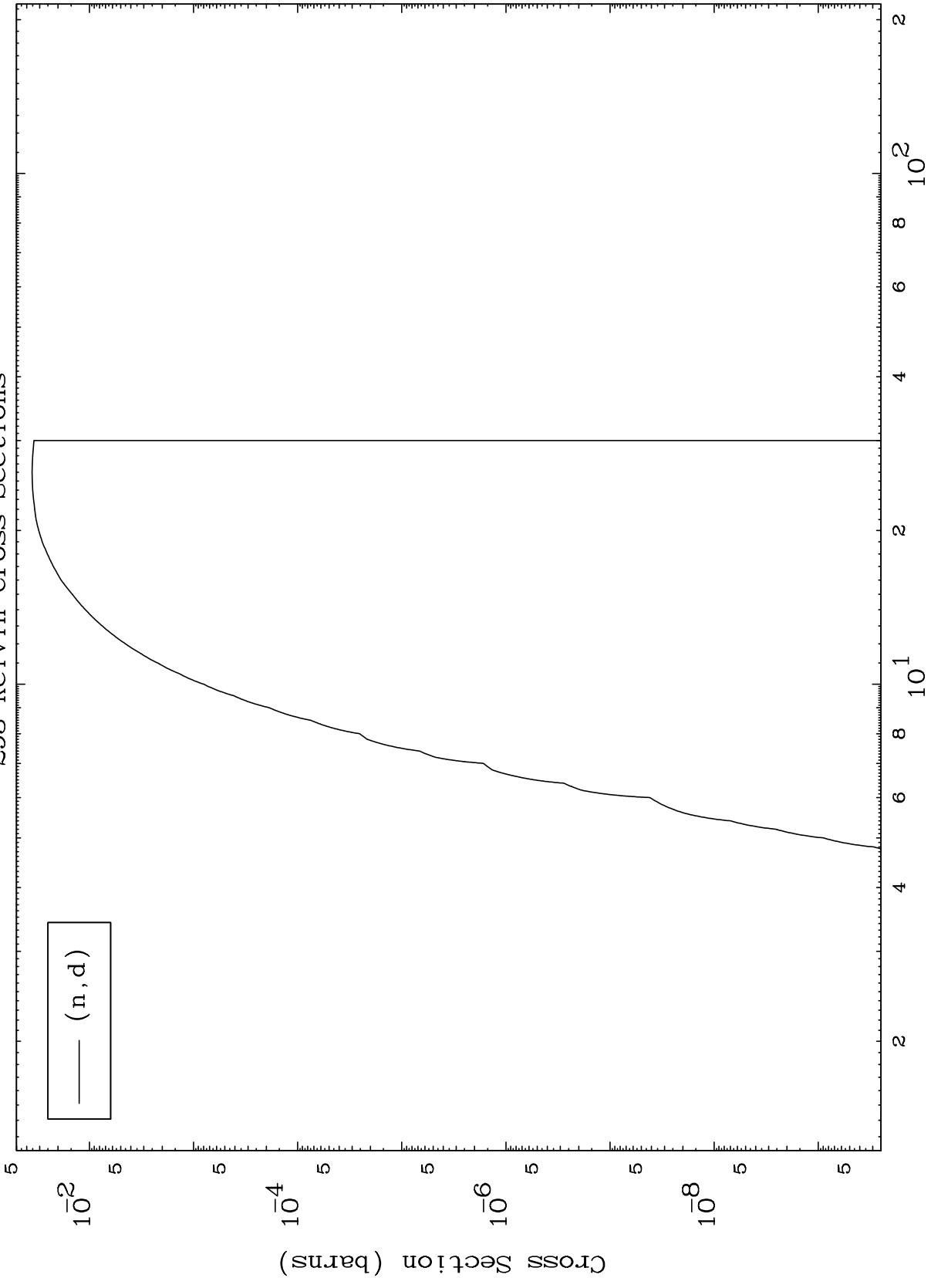
Incident Energy (MeV)

64-Gd-141

MAT 6392

(n,d) Levels
293 Kelvin Cross Sections

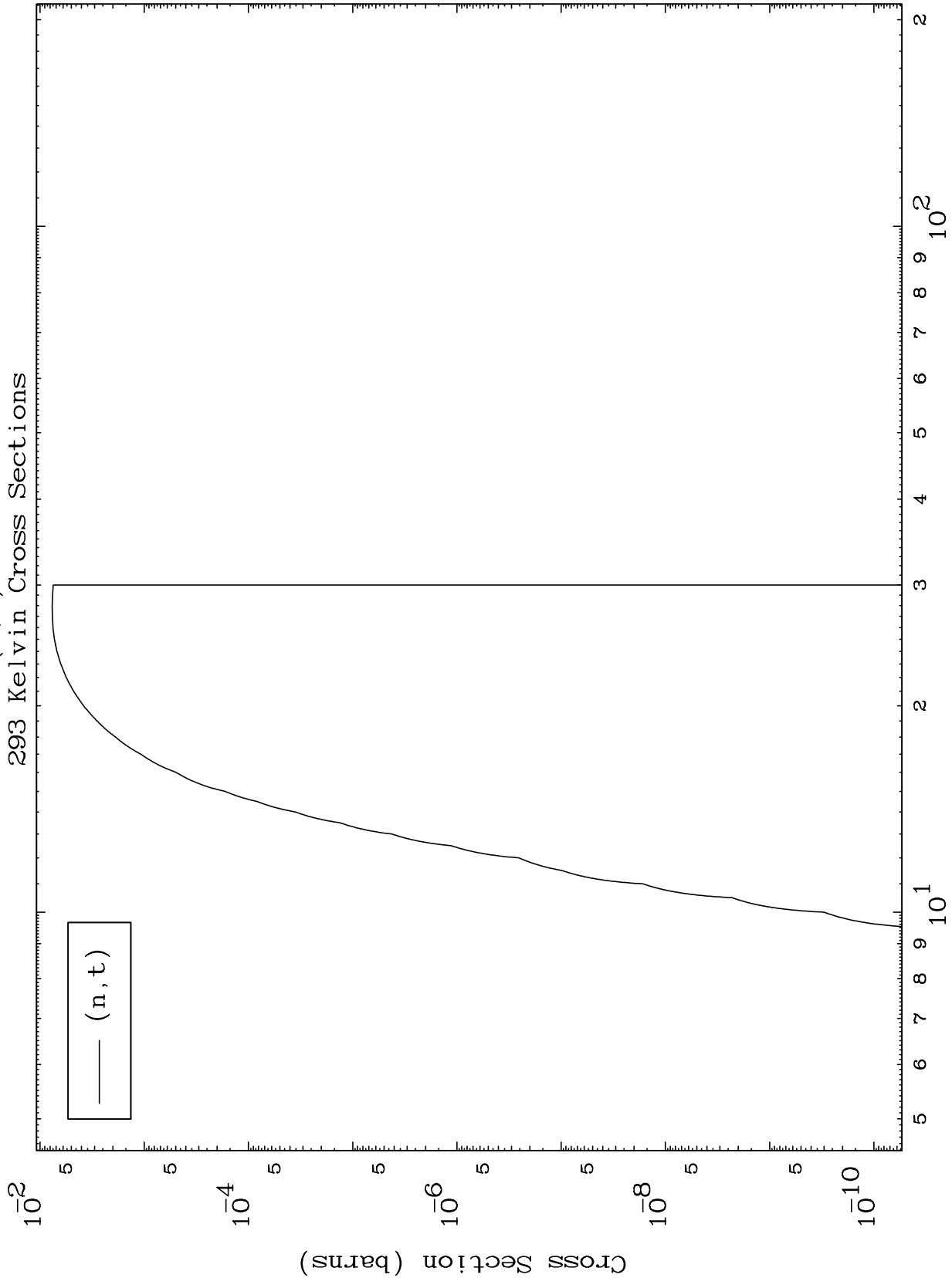
64-Gd-141



MAT 6392

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-141



12

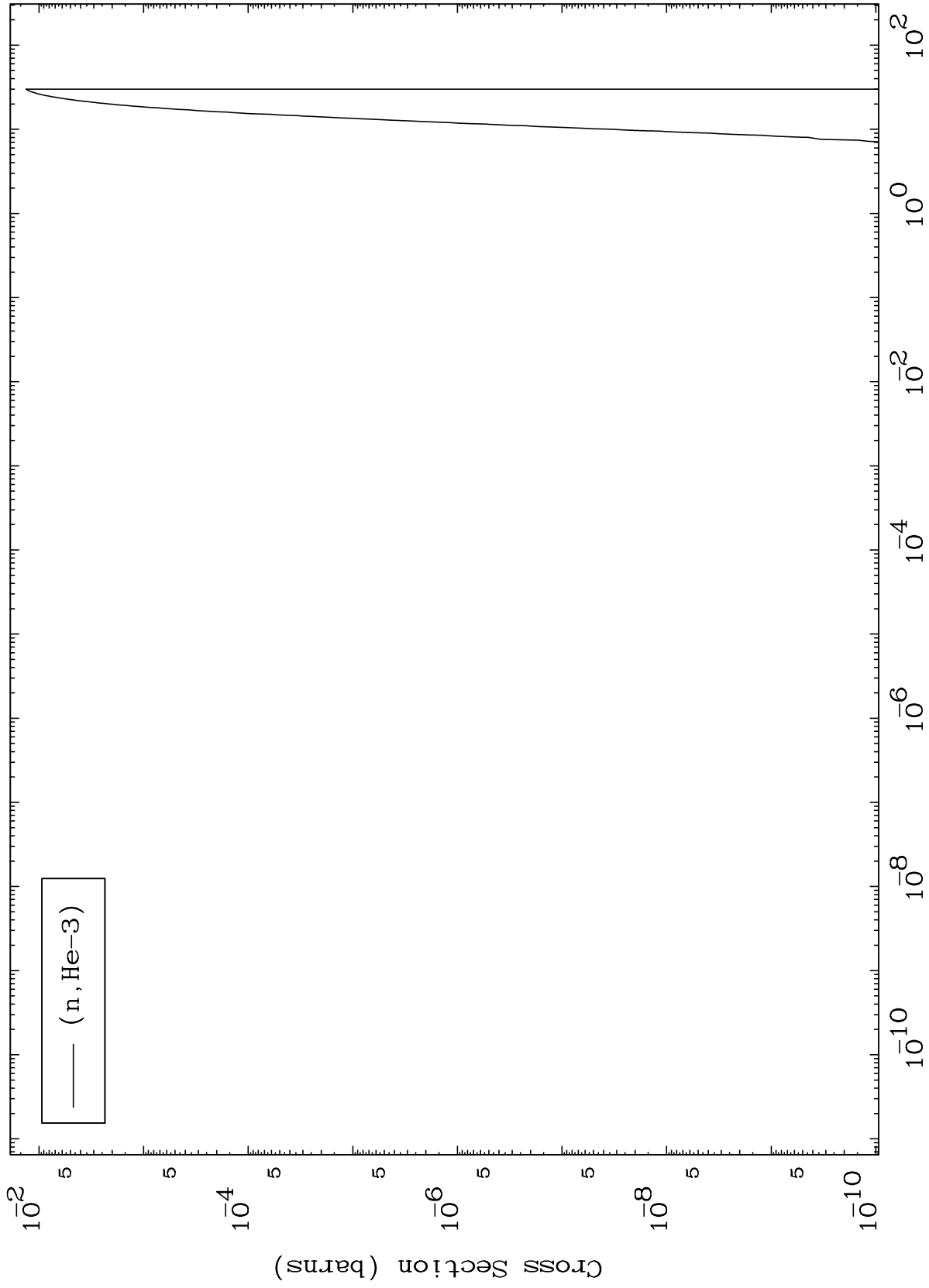
Incident Energy (MeV)

64-Gd-141

MAT 6392

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-141



13

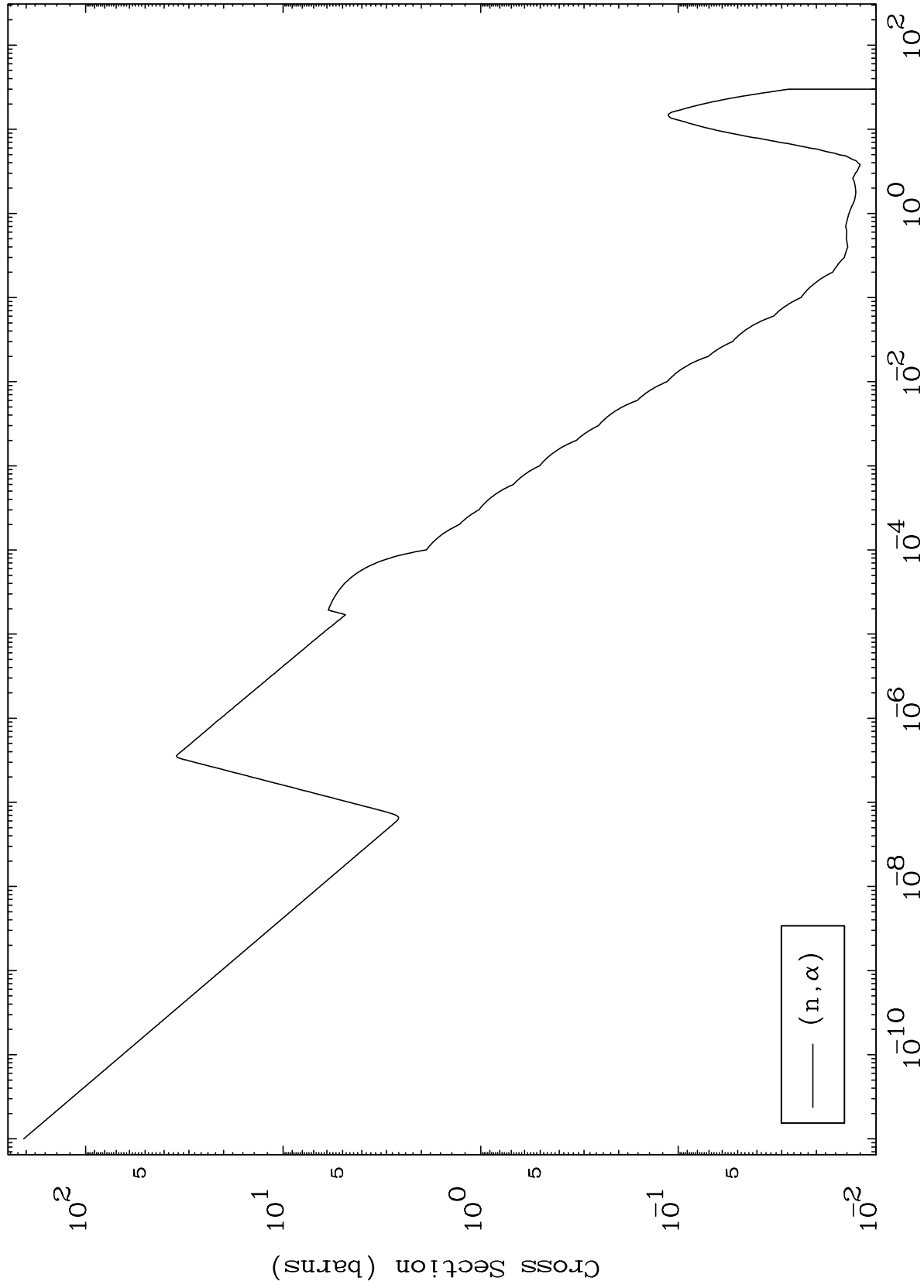
Incident Energy (MeV)

64-Gd-141

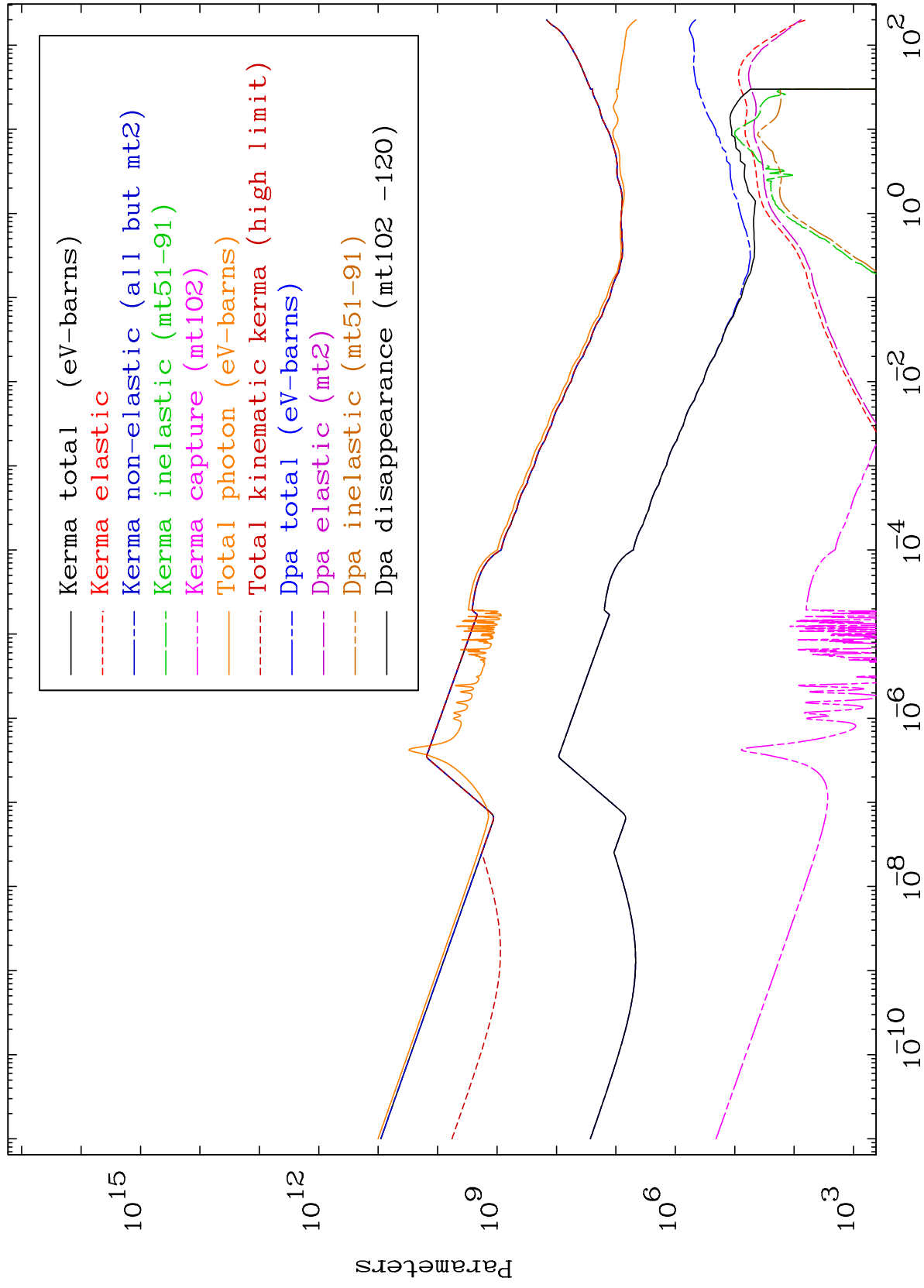
MAT 6392

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-141



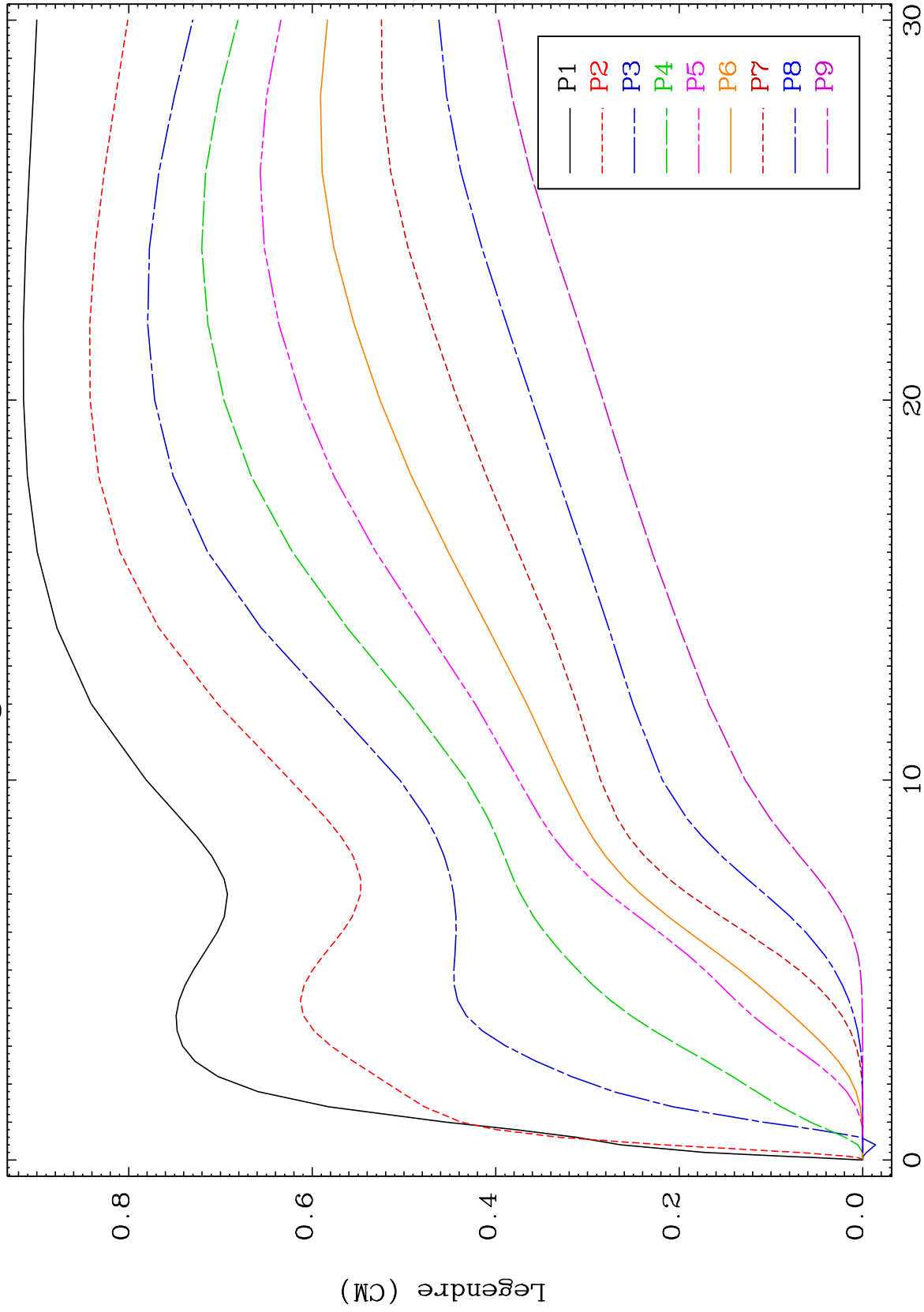
— (n, α)



MAT 6392

Elastic Legendre Coefficients

64-Gd-141



16

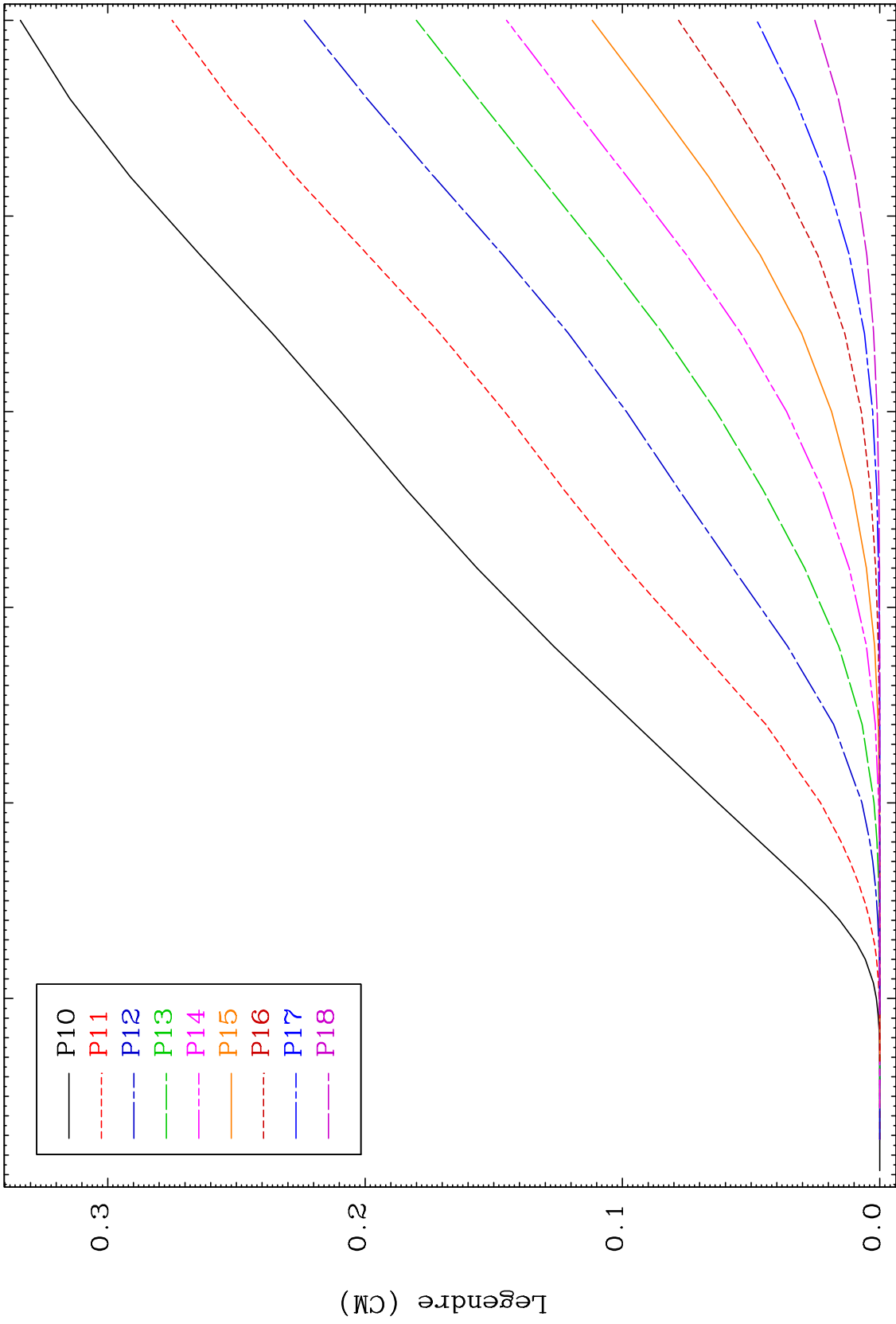
Incident Energy (MeV)

64-Gd-141

MAT 6392

Elastic Legendre Coefficients

64-Gd-141



17

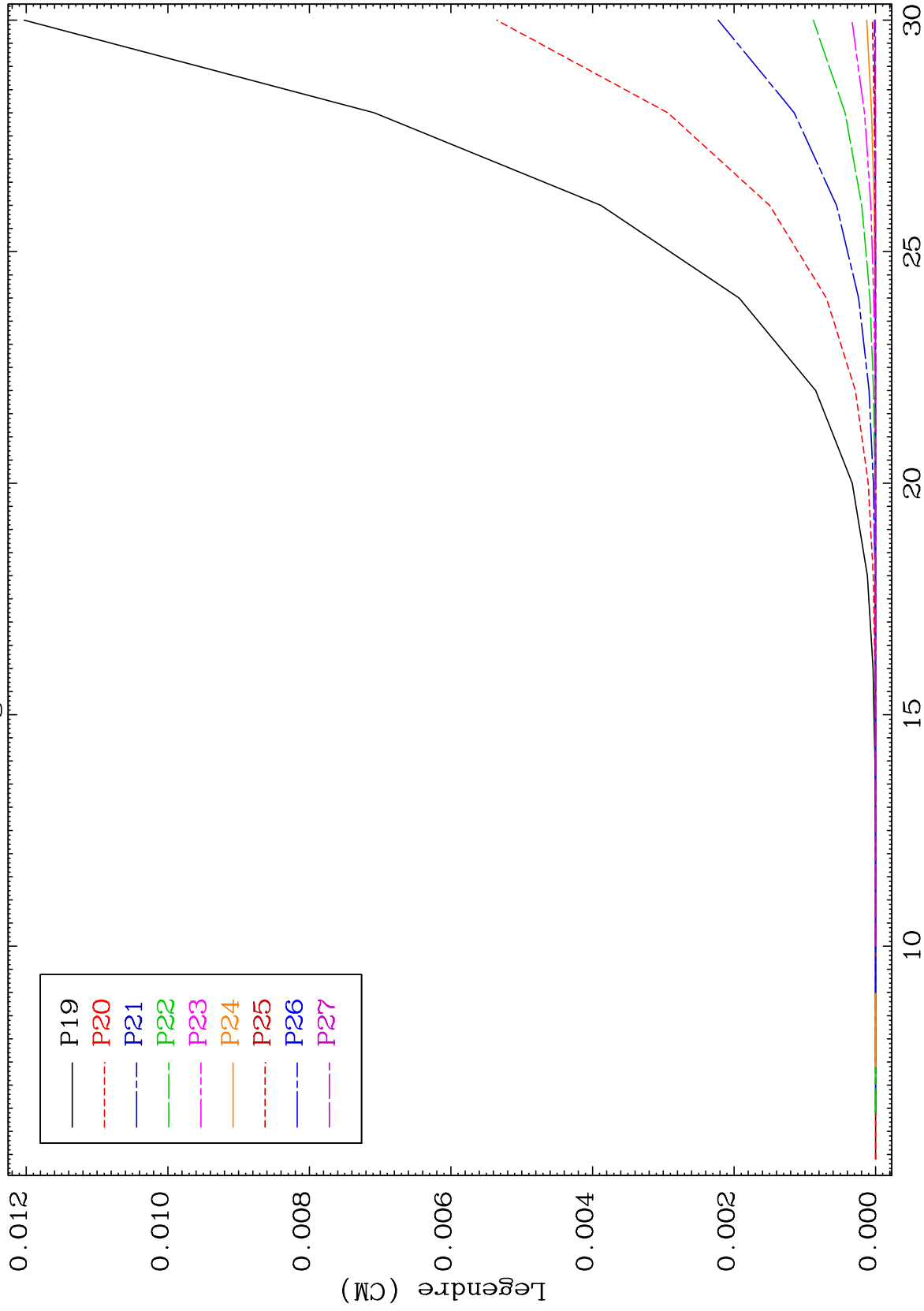
Incident Energy (MeV)

64-Gd-141

MAT 6392

Elastic Legendre Coefficients

64-Gd-141



18

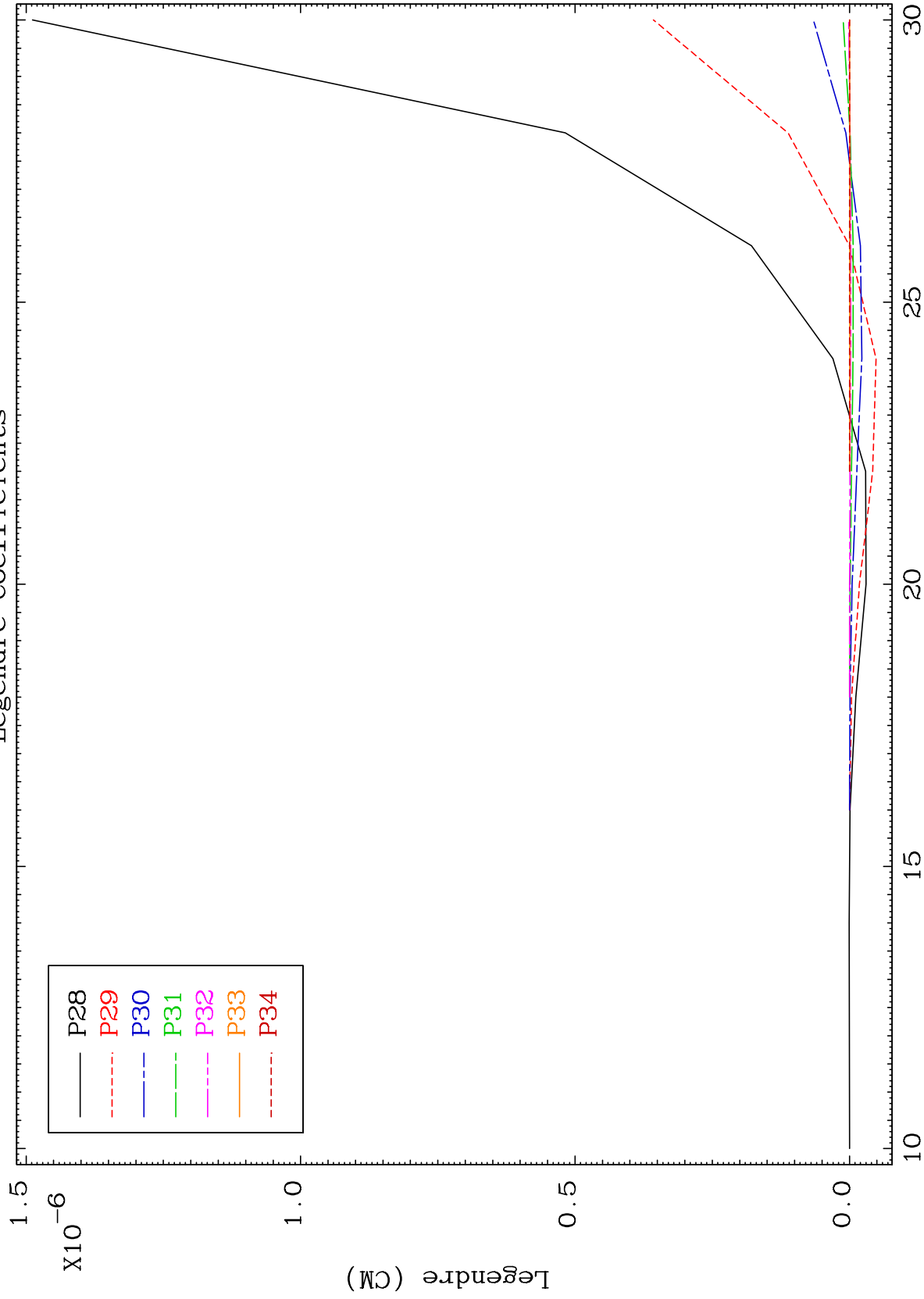
Incident Energy (MeV)

64-Gd-141

MAT 6392

Elastic Legendre Coefficients

64-Gd-141



19

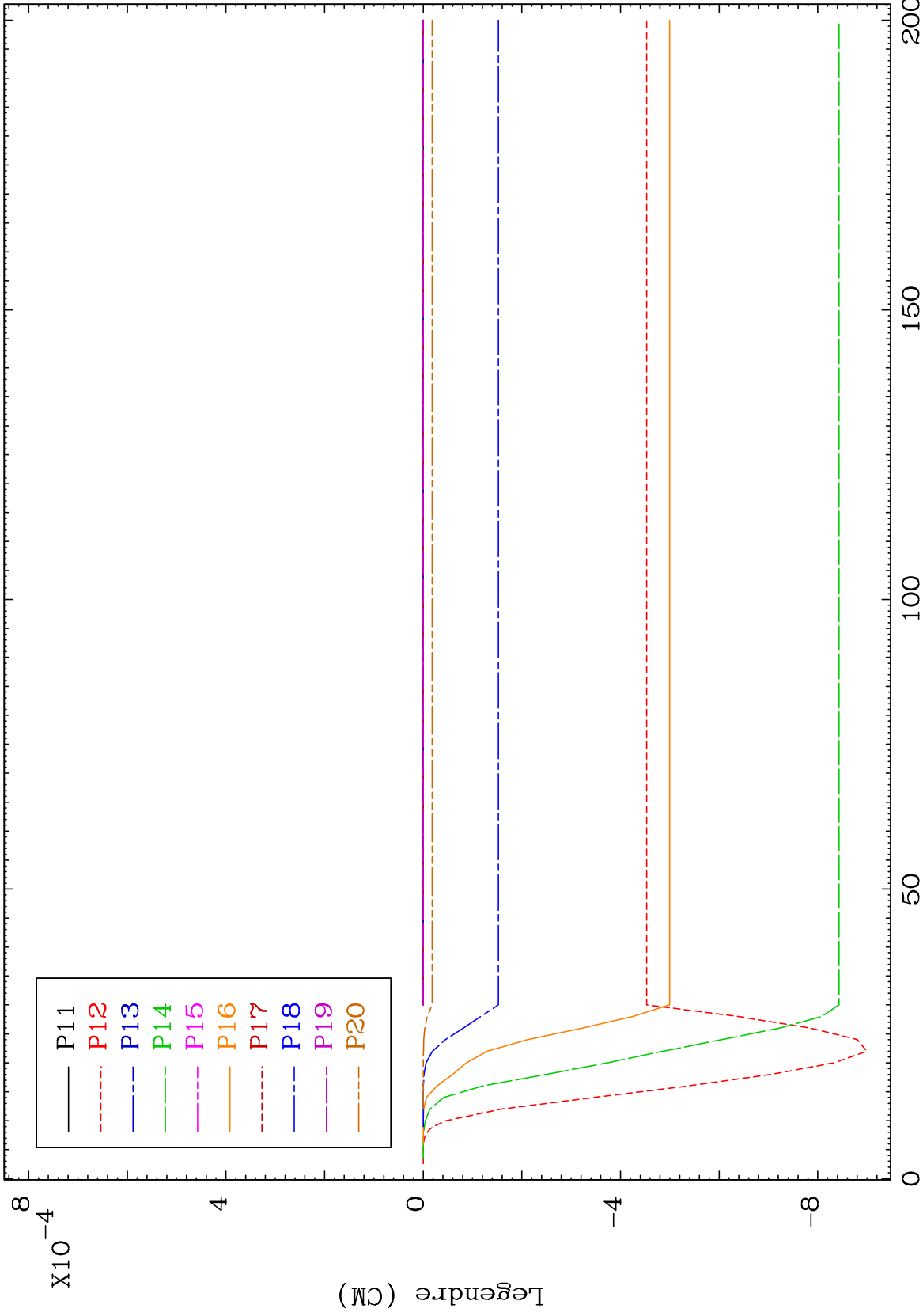
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141

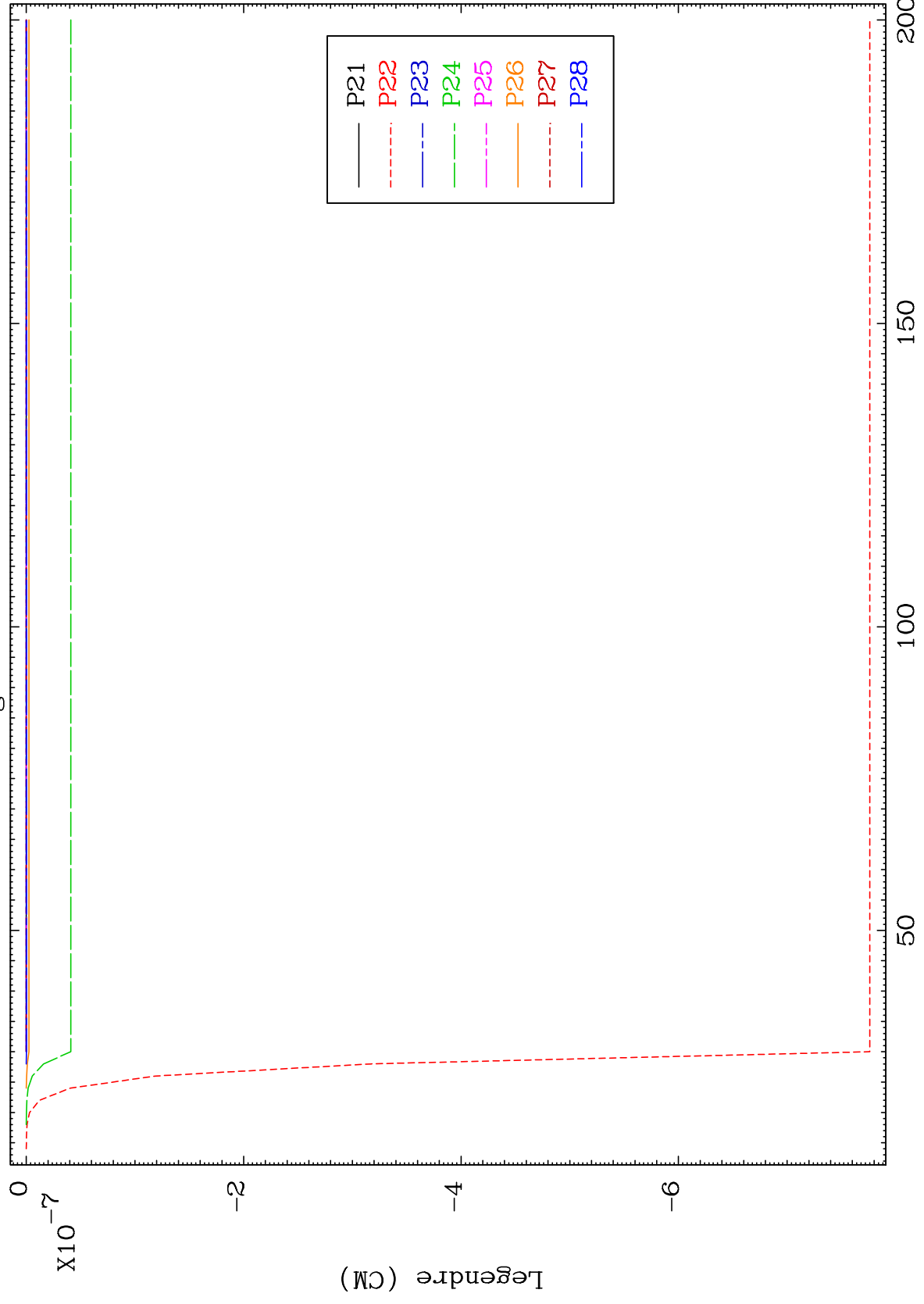


21

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 51 (n,n') Level Legendre Coefficients 64-Gd-141

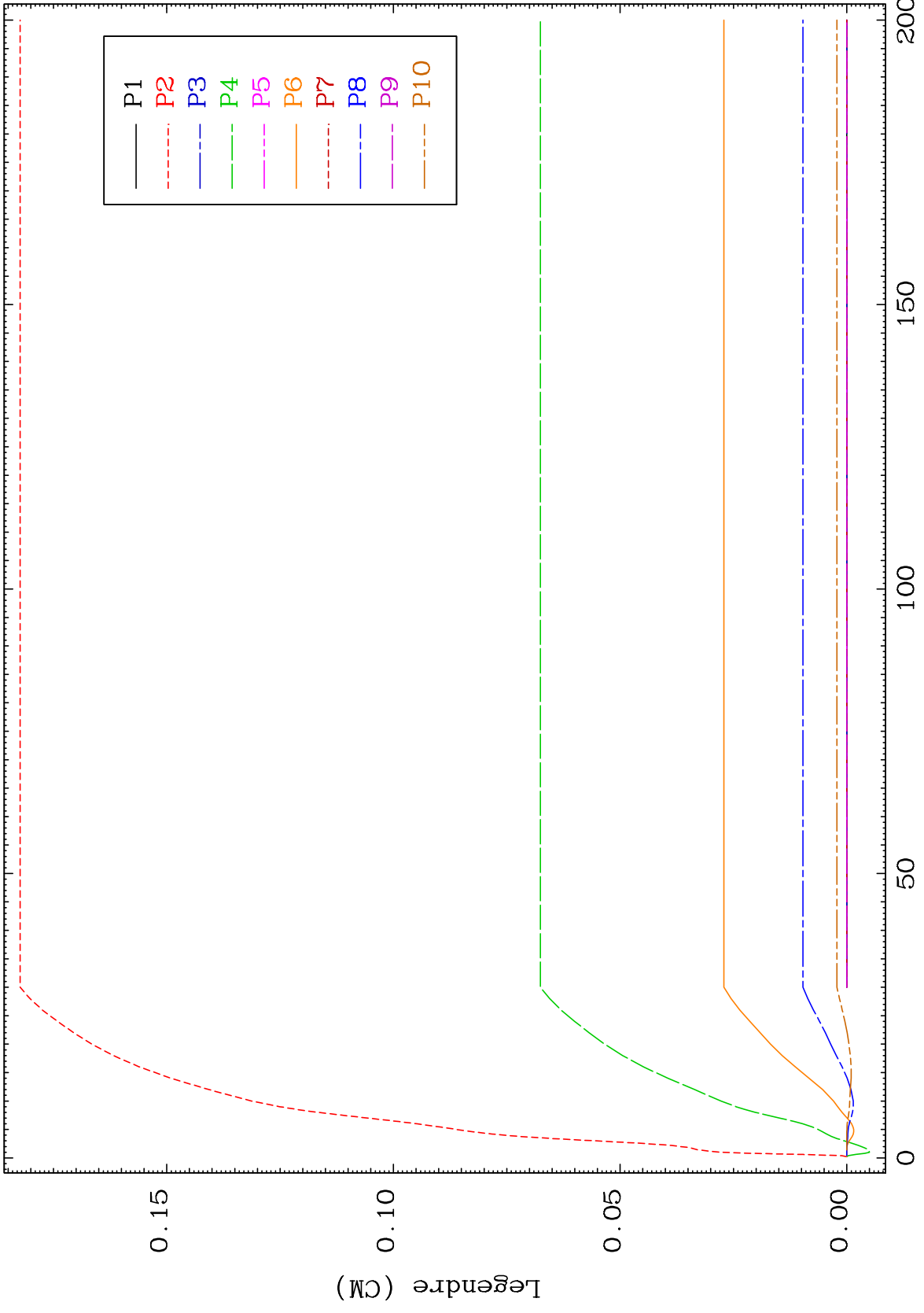


22 64-Gd-141

MAT 6392

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

64-Gd-141



23

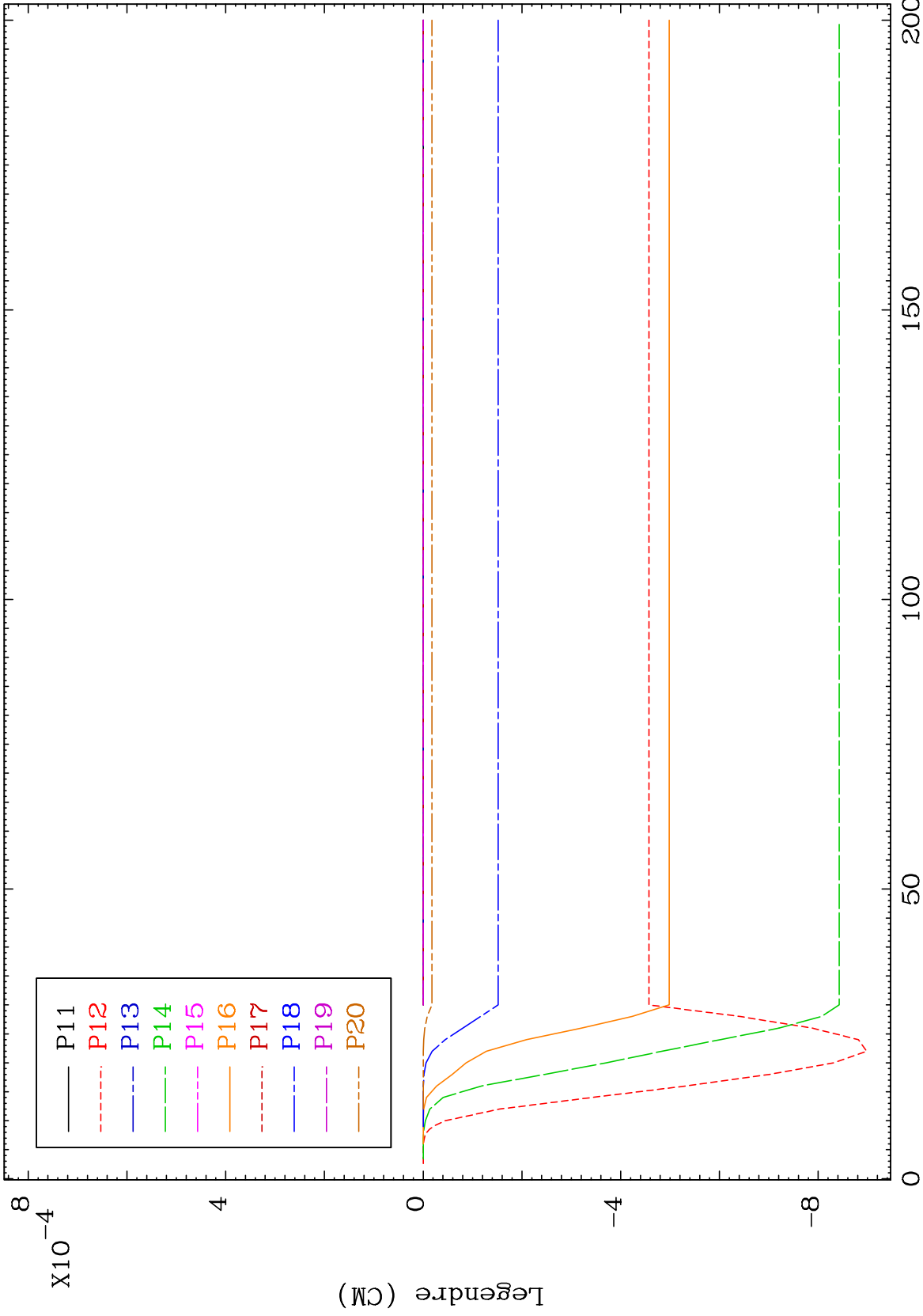
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141

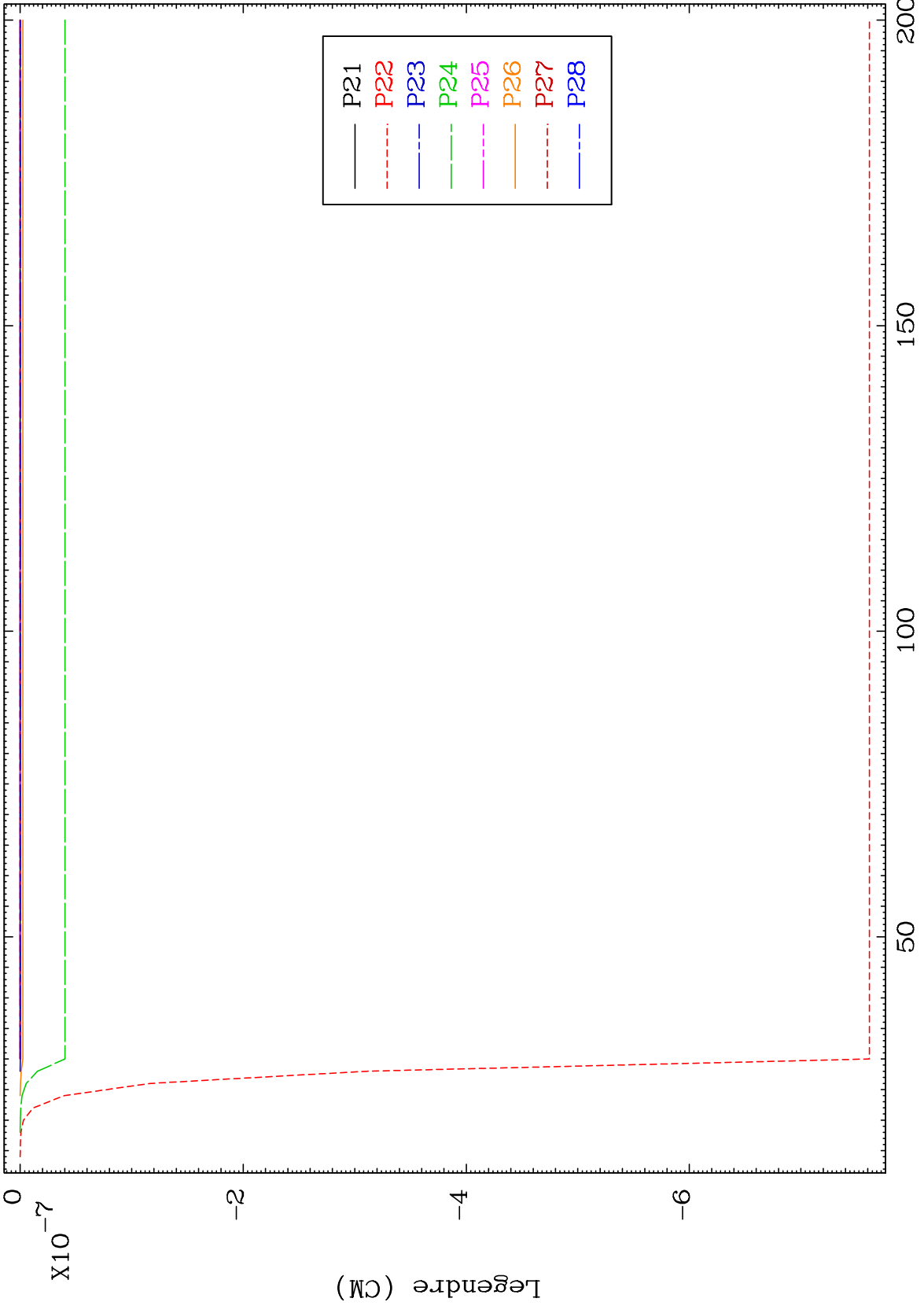


24

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-141

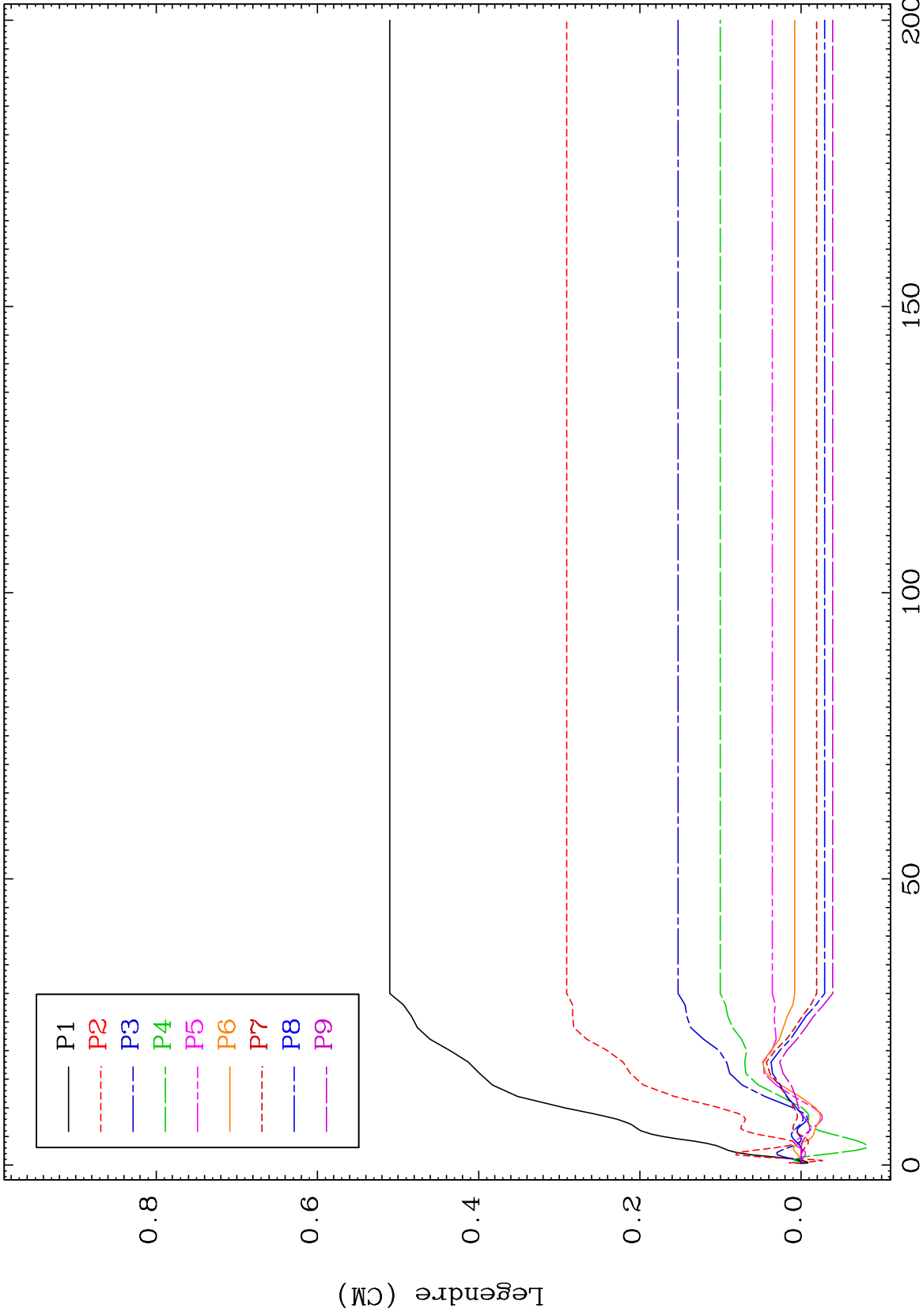


25 50 100 150 200 64-Gd-141

MAT 6392

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

64-Gd-141



26

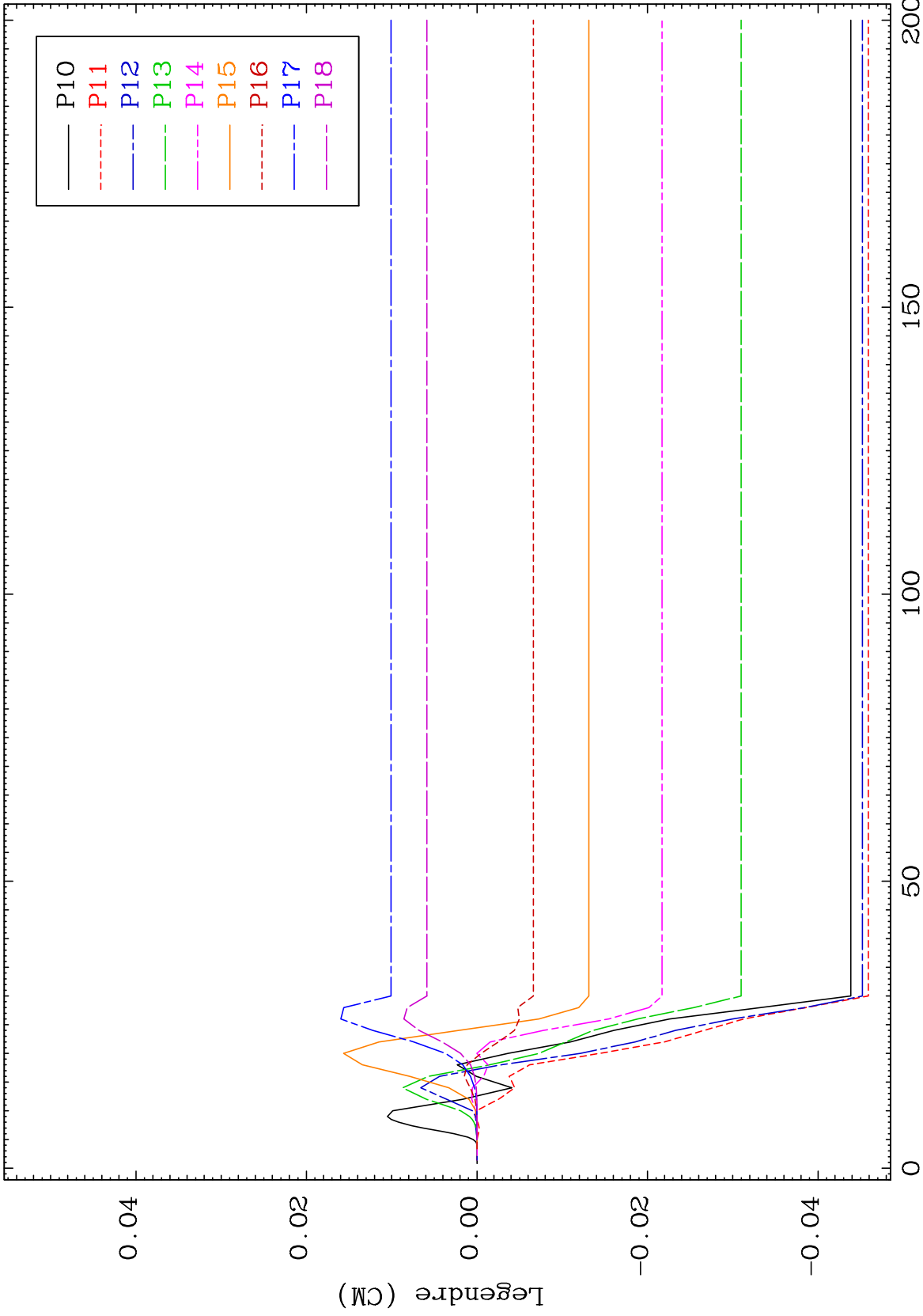
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



27

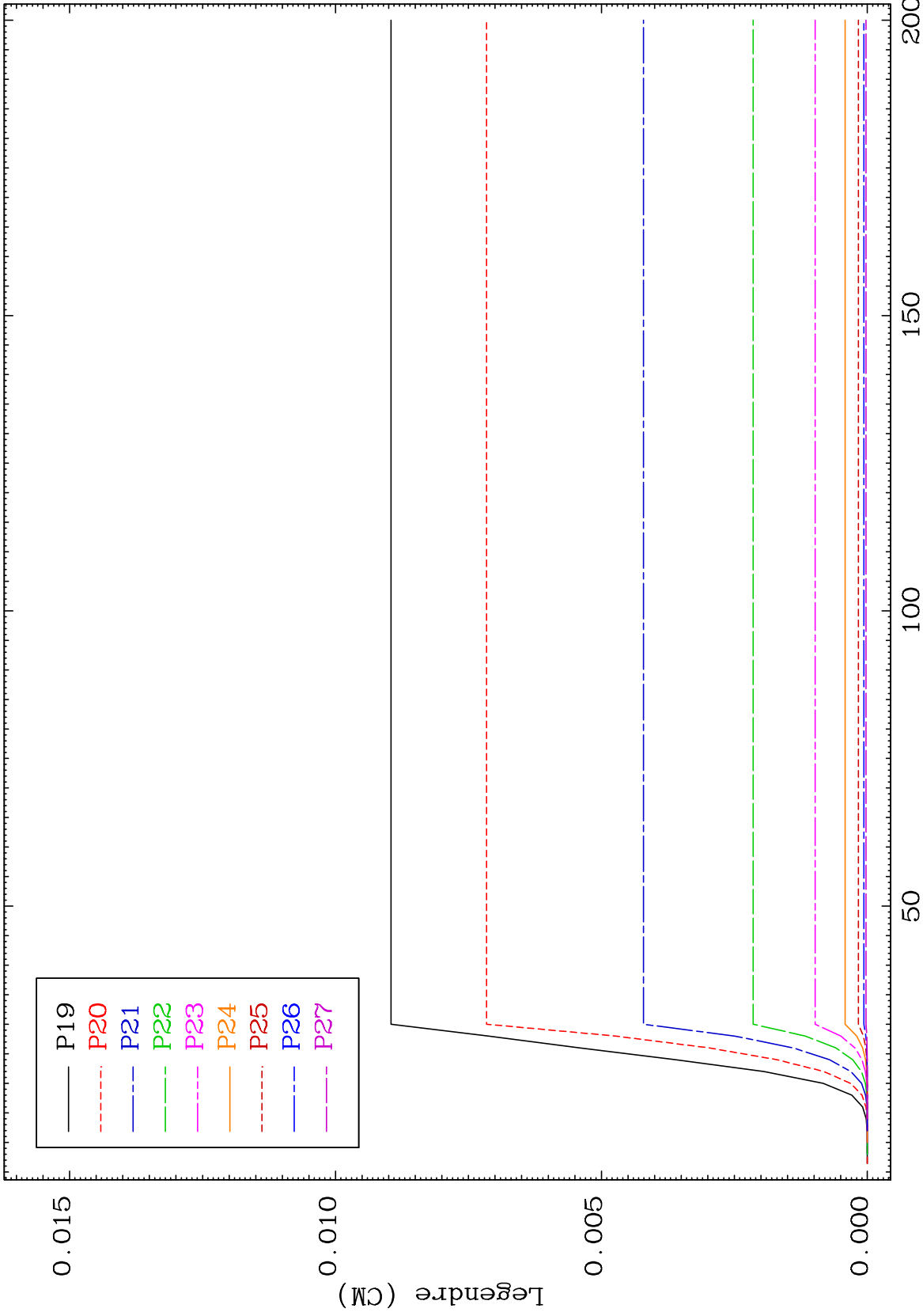
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



28

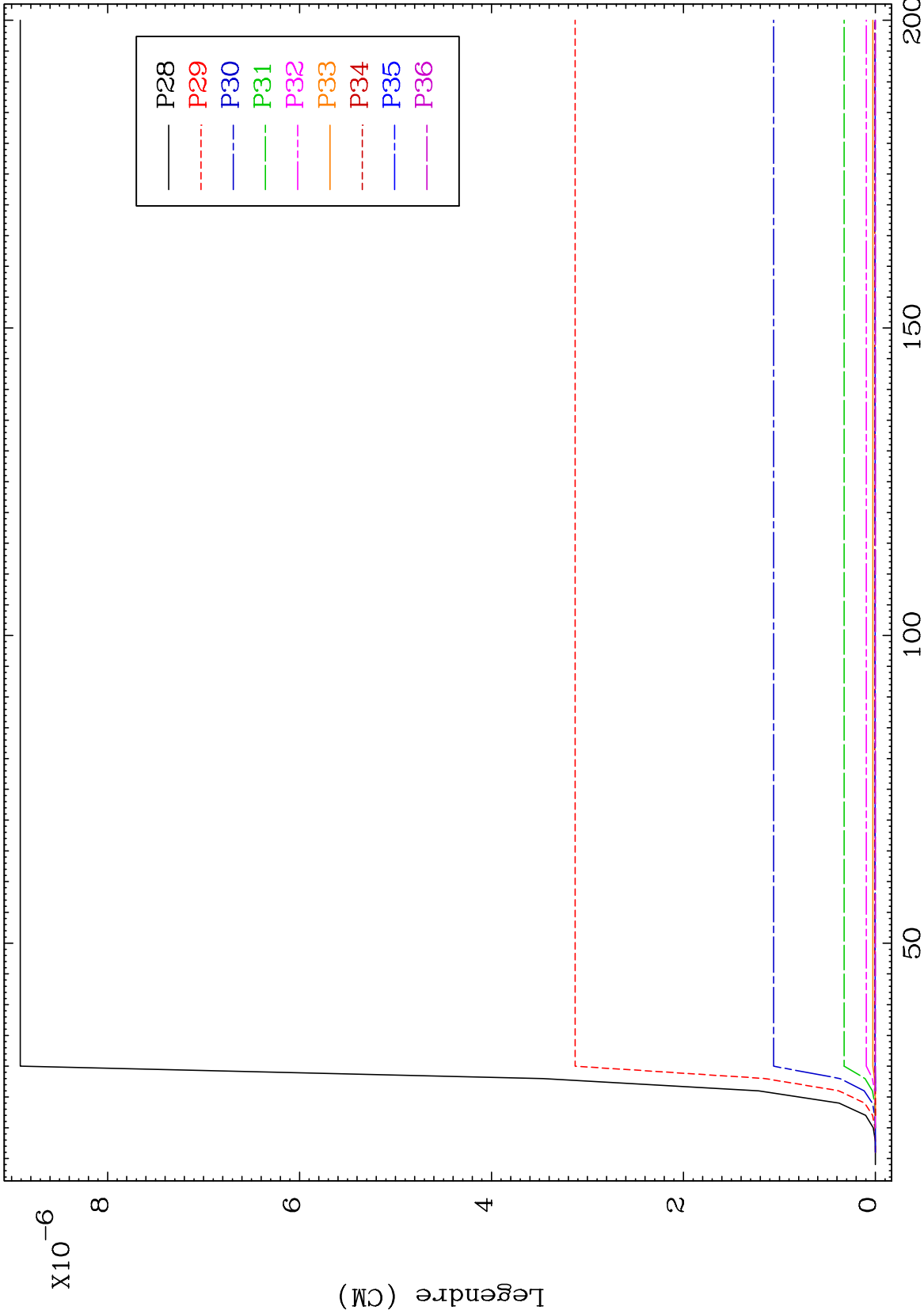
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

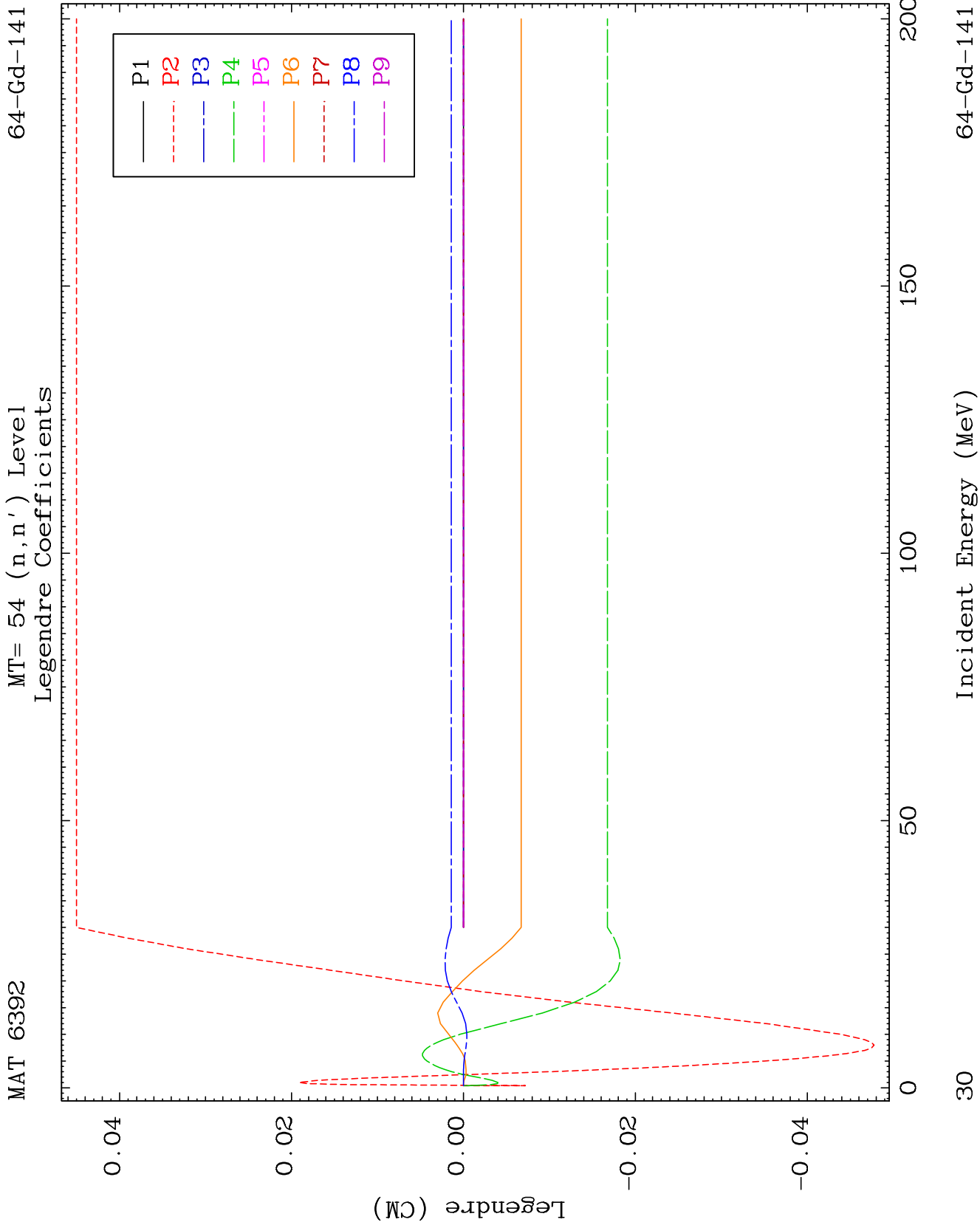
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29

Incident Energy (MeV)

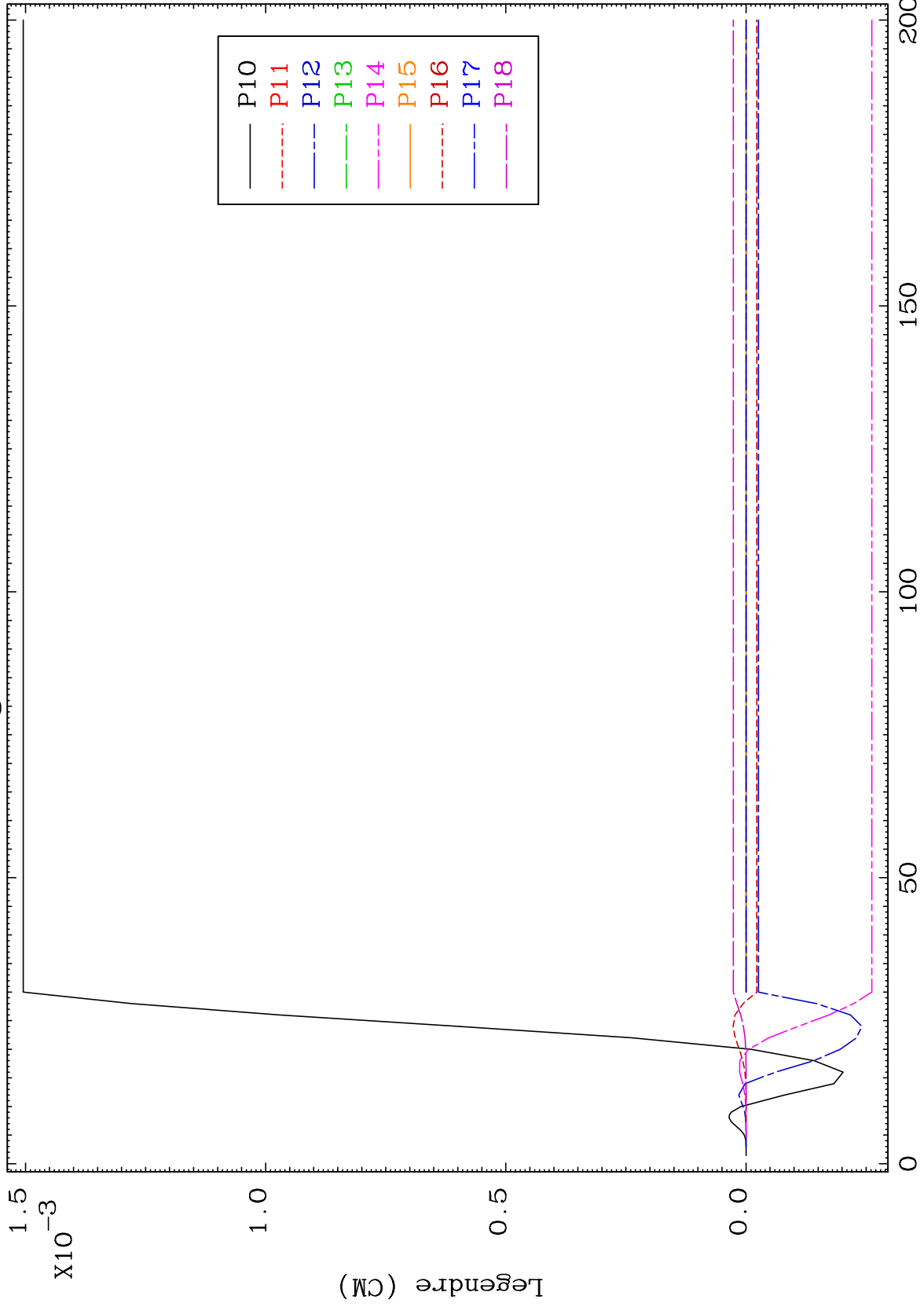
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MAT 6392

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

64-Gd-141

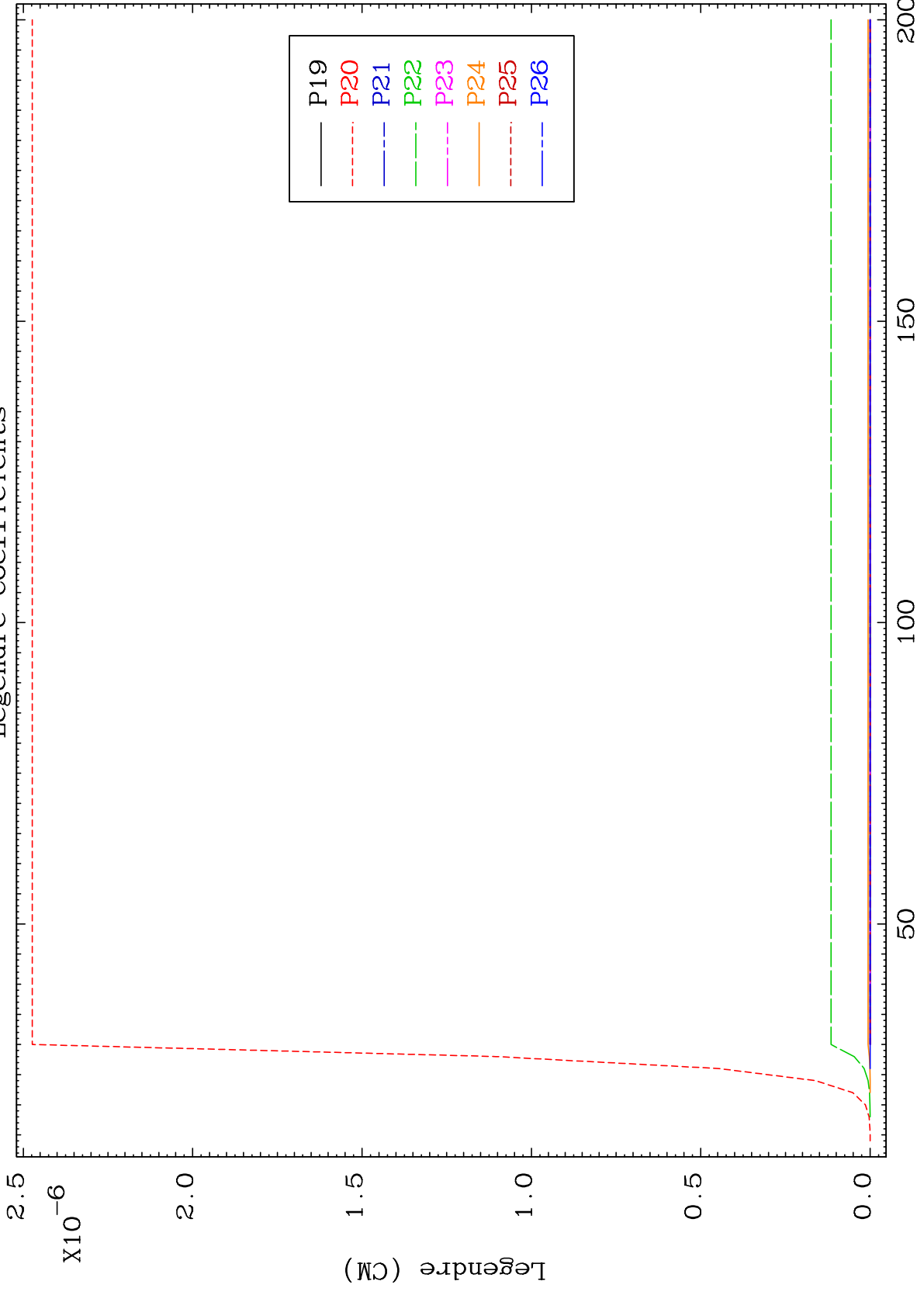


31

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-141

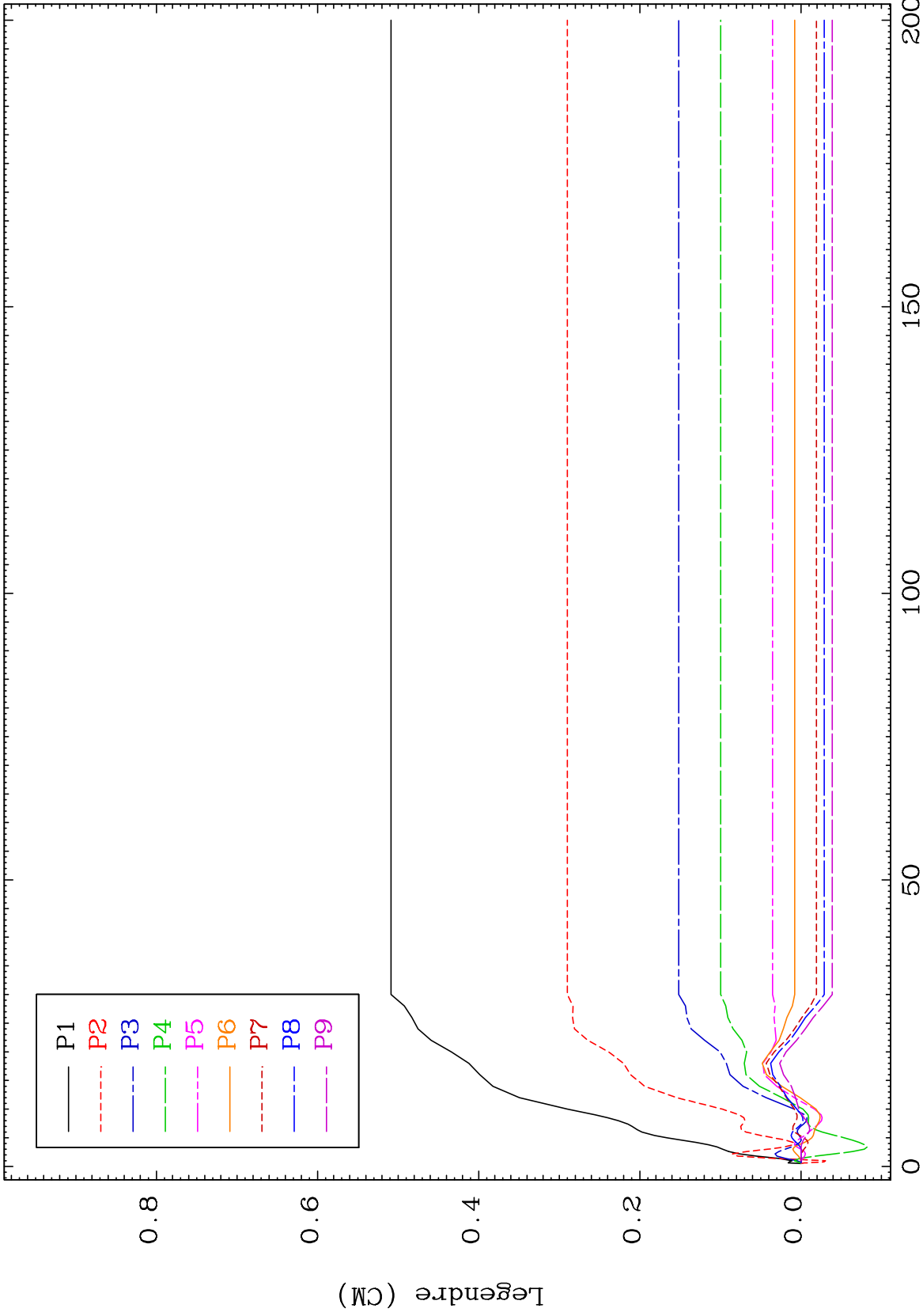


32 Incident Energy (MeV) 64-Gd-141

MAT 6392

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

64-Gd-141



33

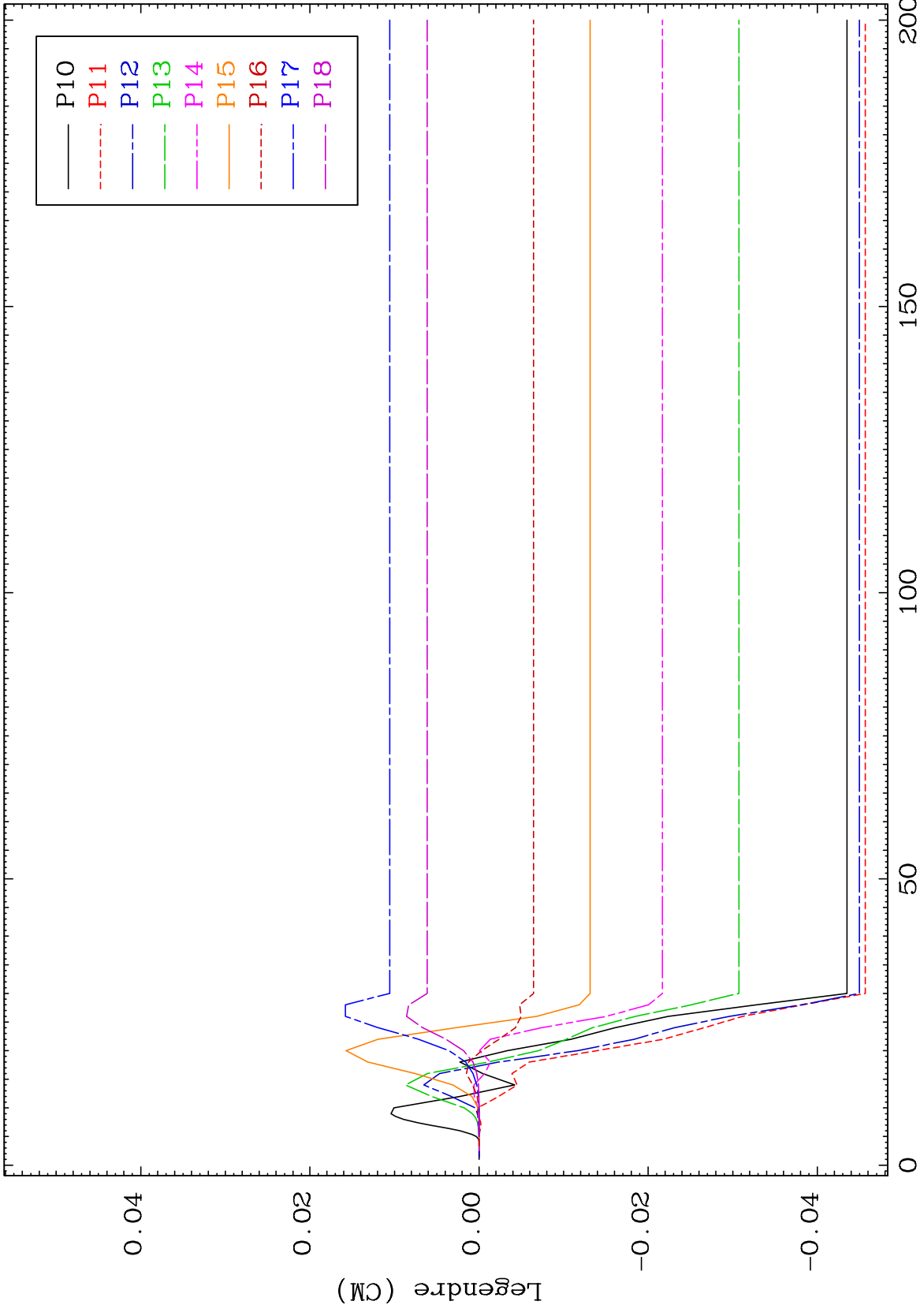
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



34

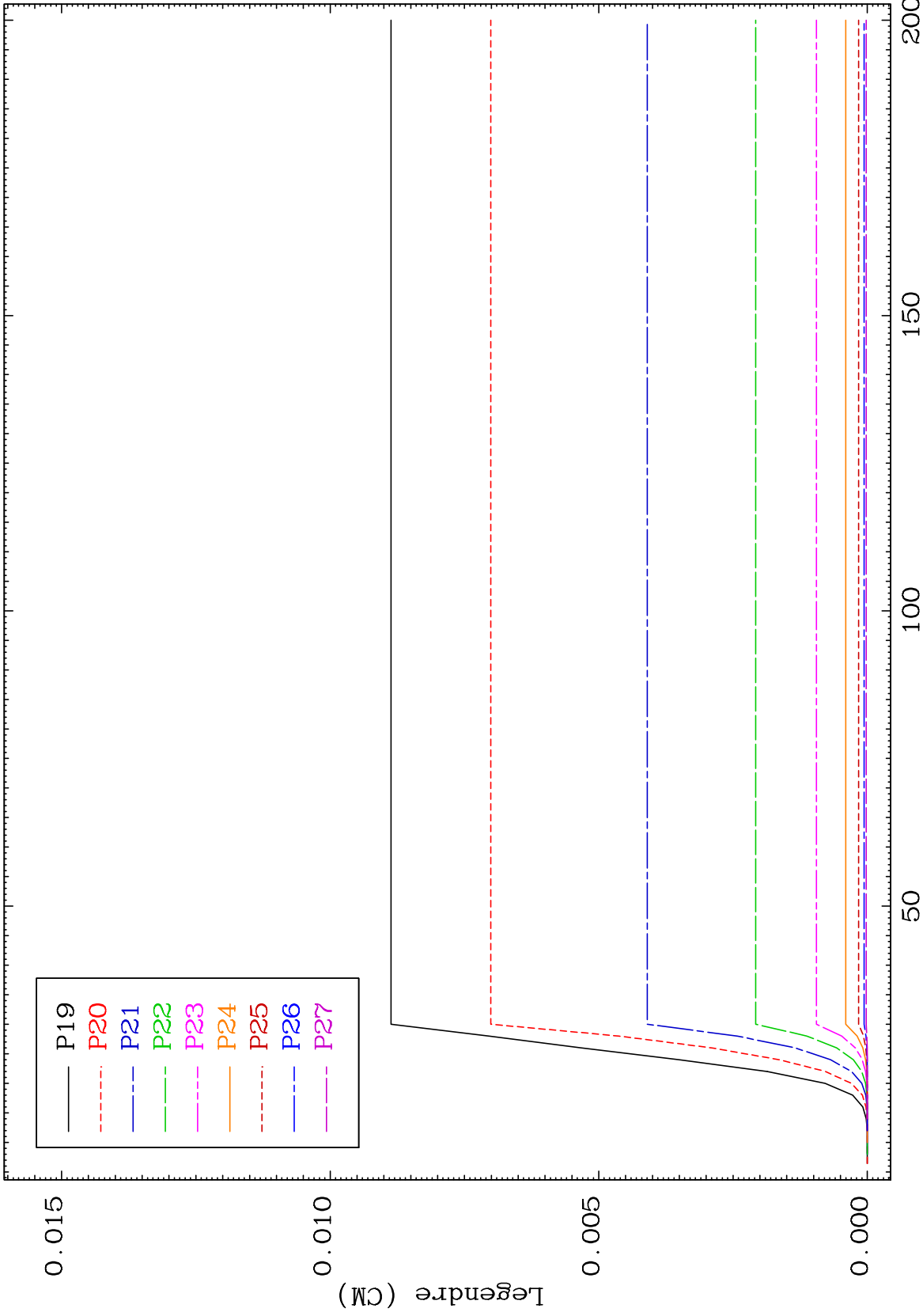
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



35

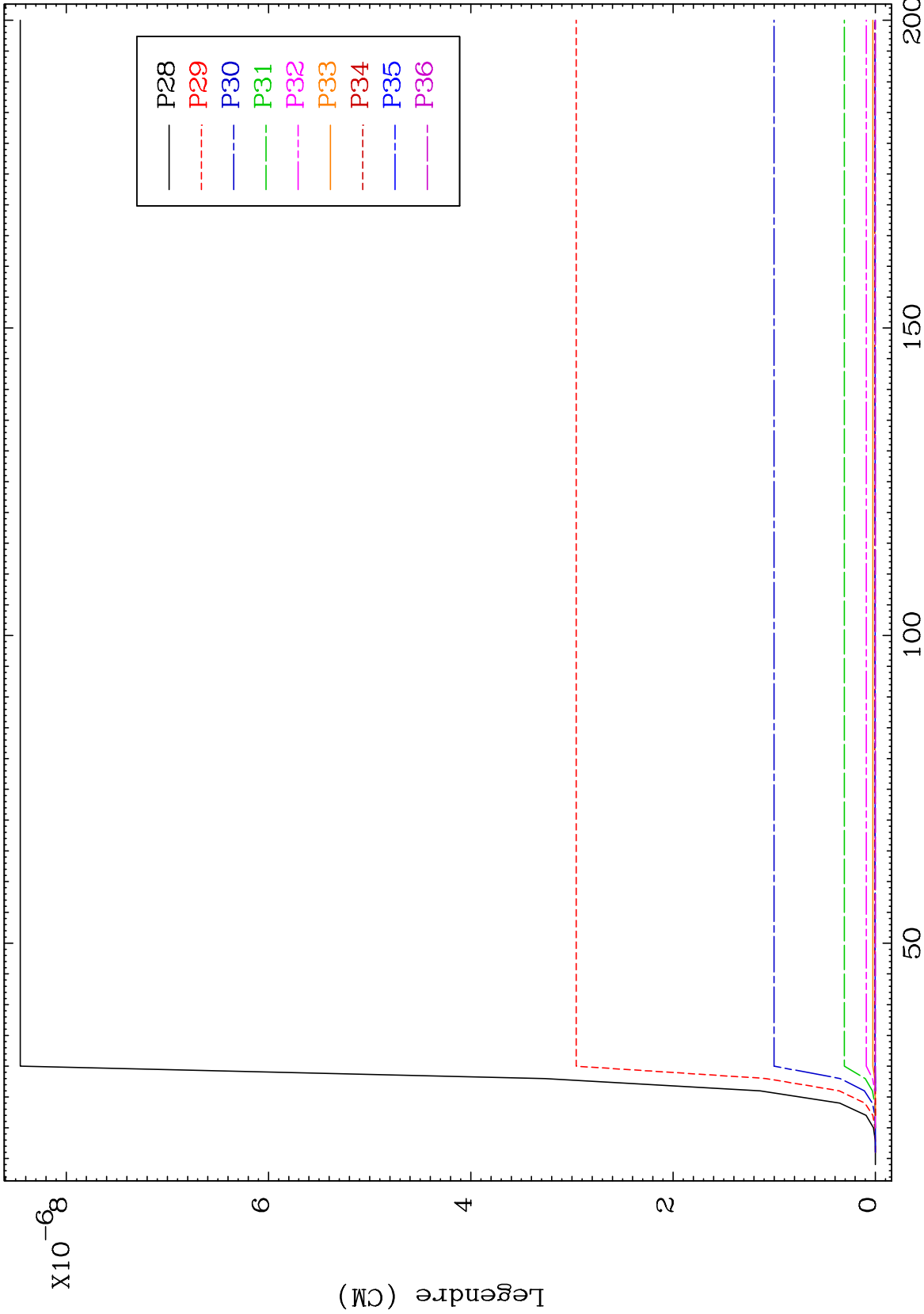
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



36

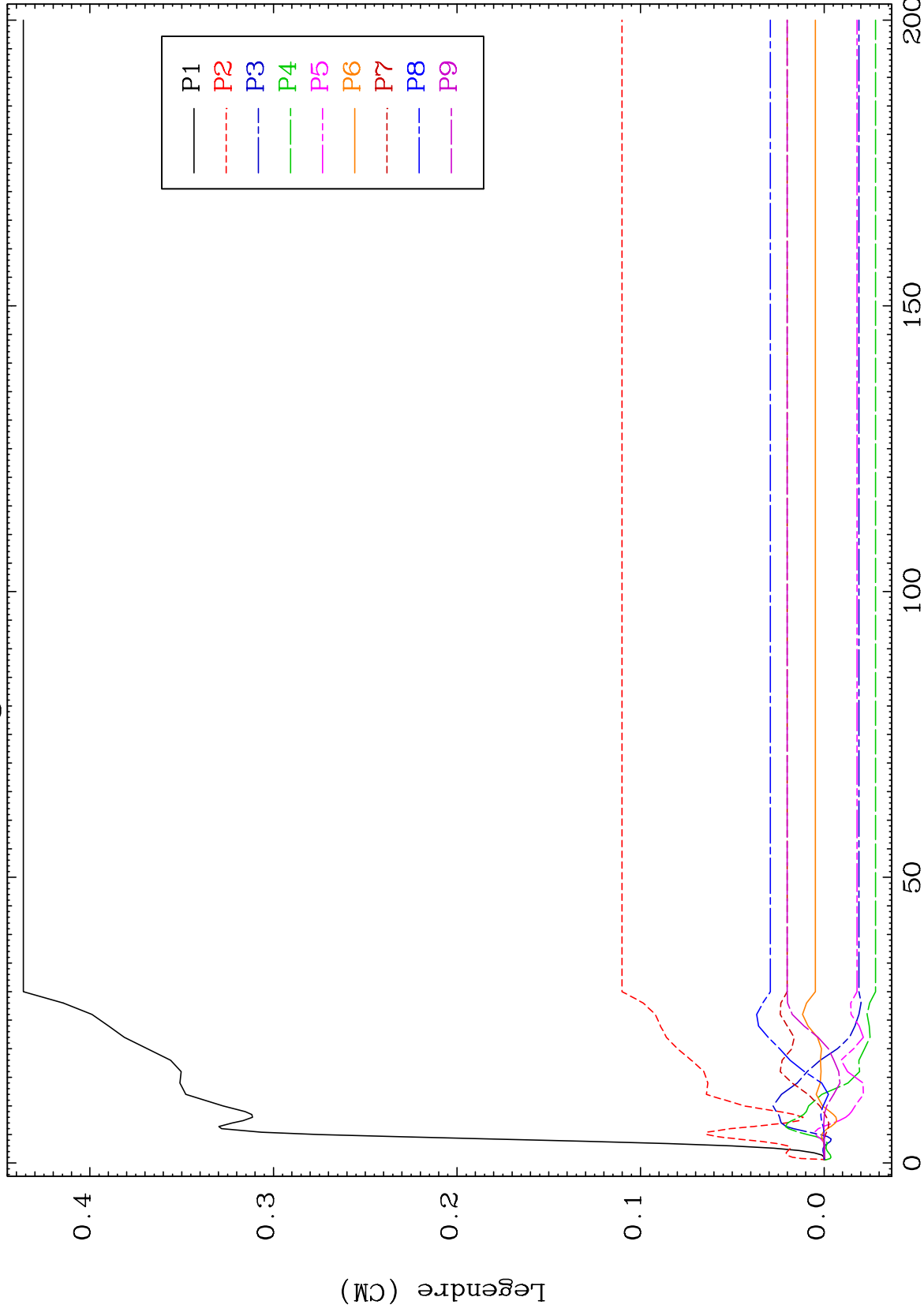
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



37

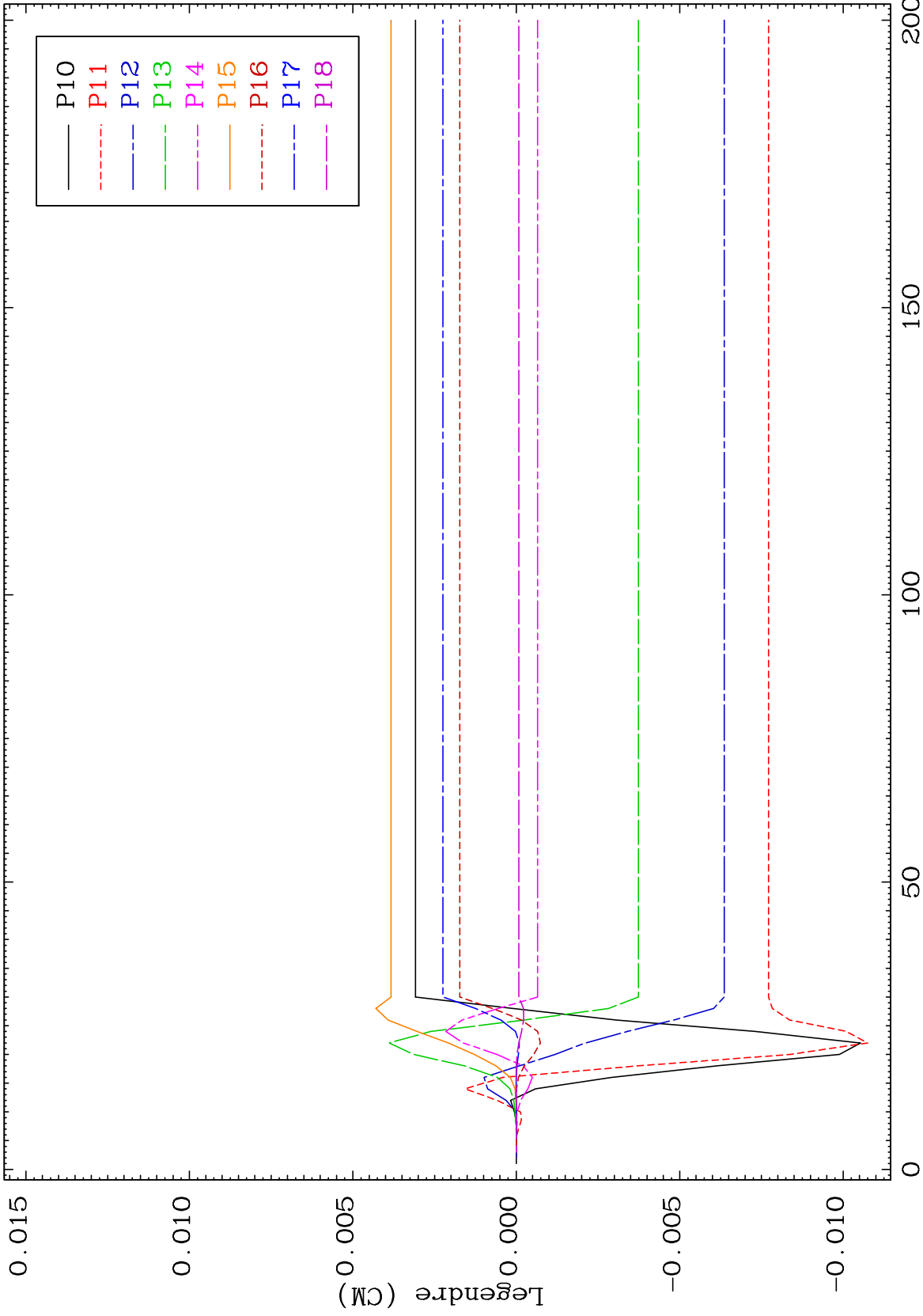
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141

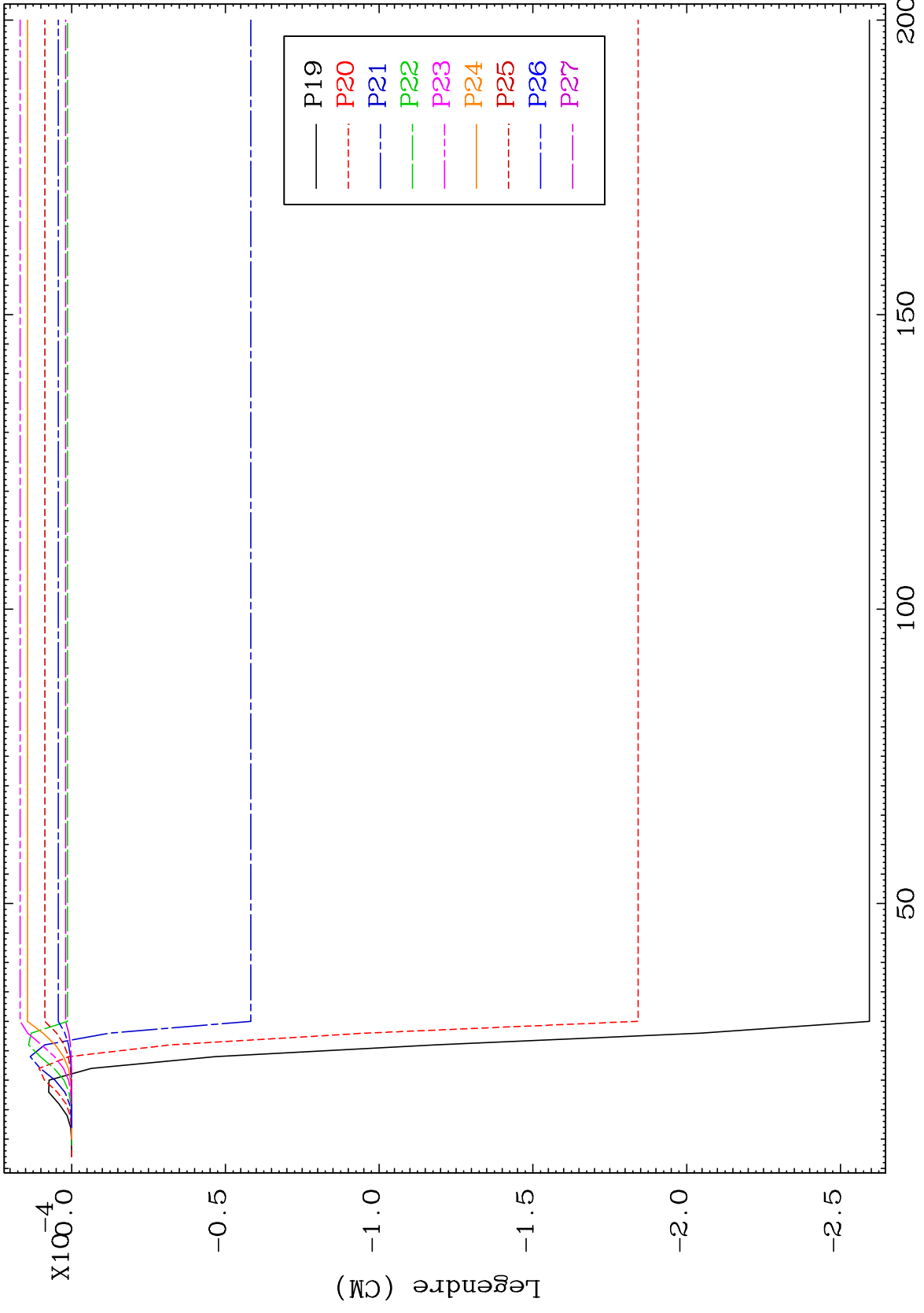


38

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-141

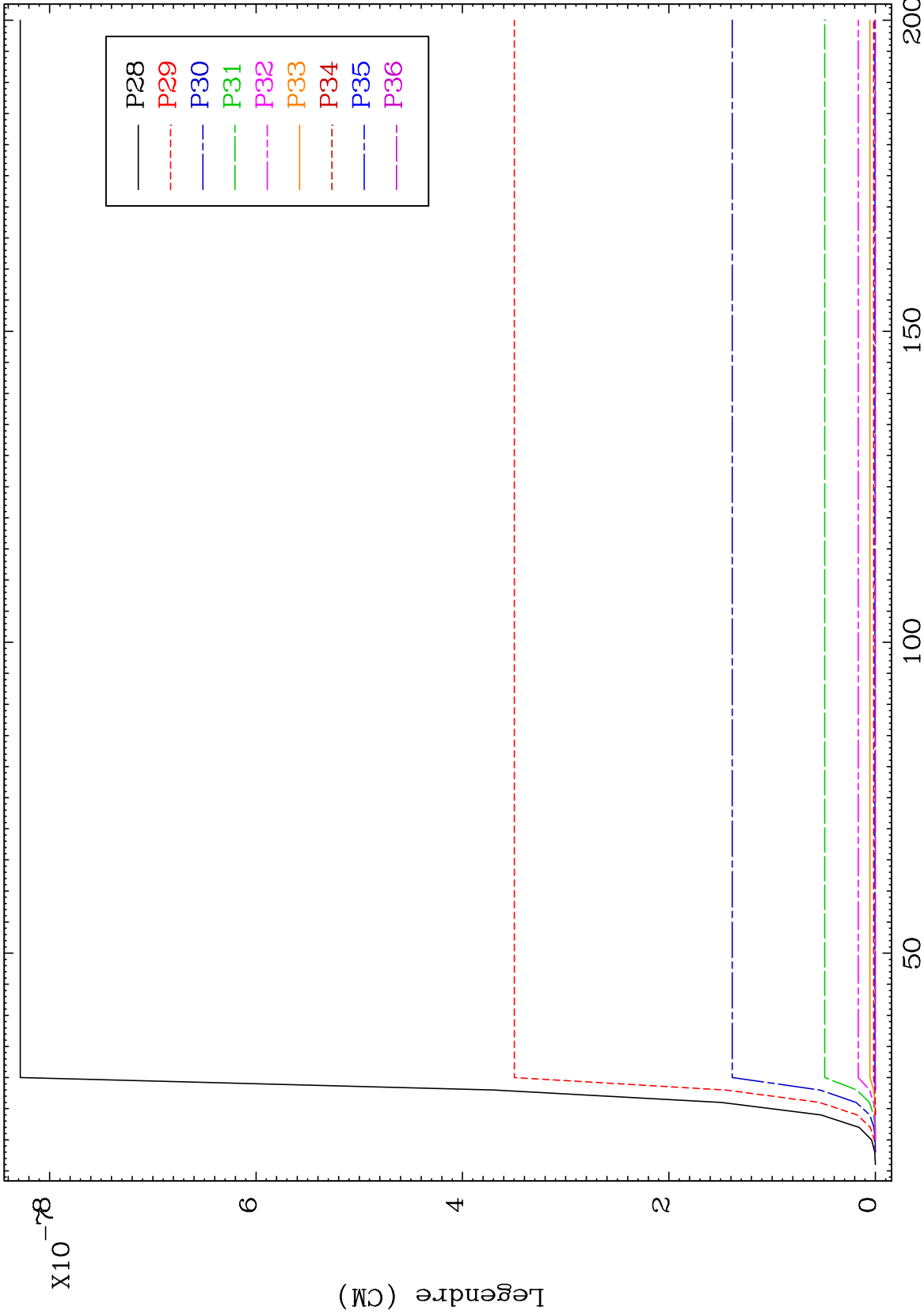


39 64-Gd-141

MAT 6392

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

64-Gd-141



40

50

100

150

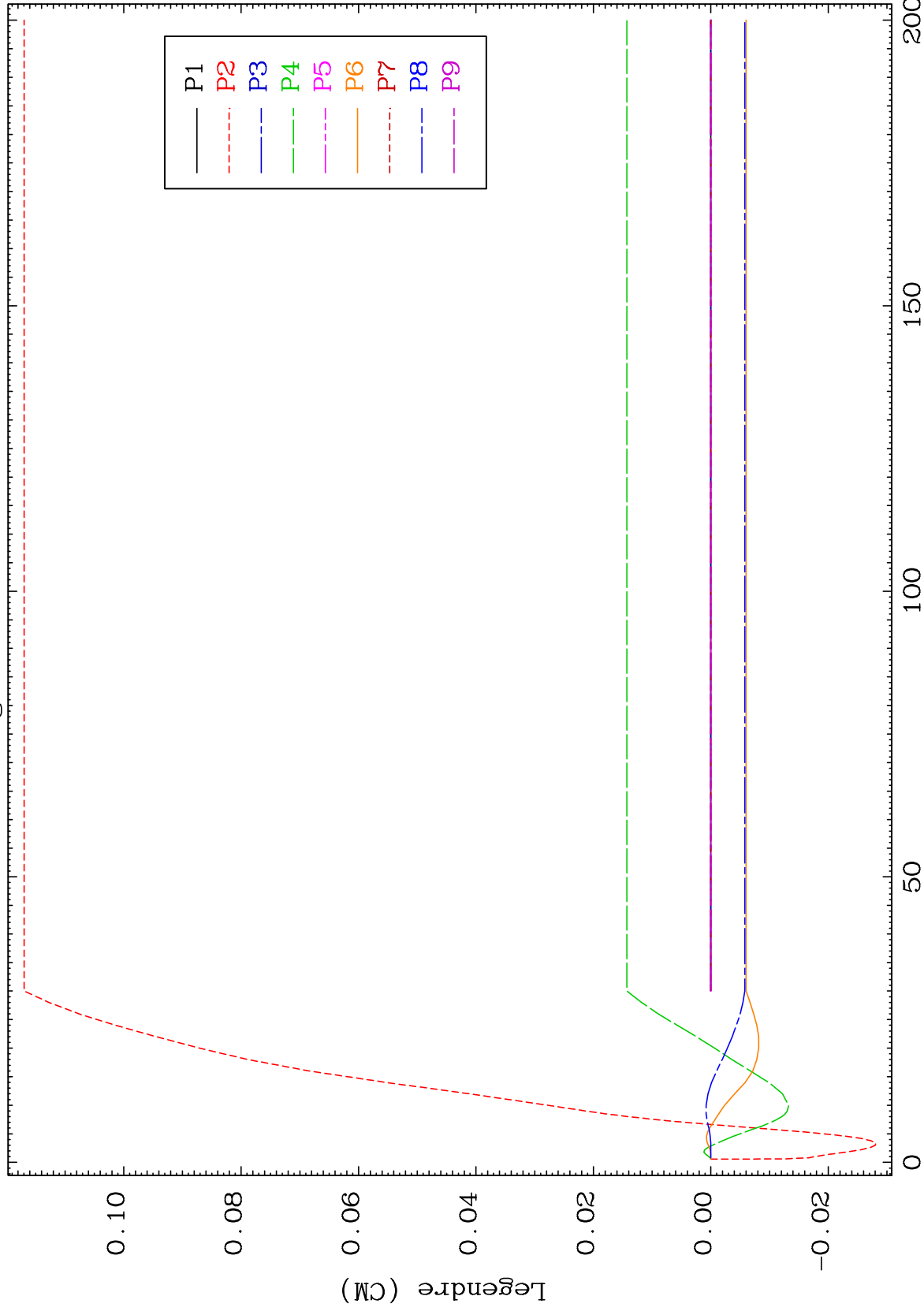
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64-Gd-141

MAT 6392

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

64-Gd-141



41

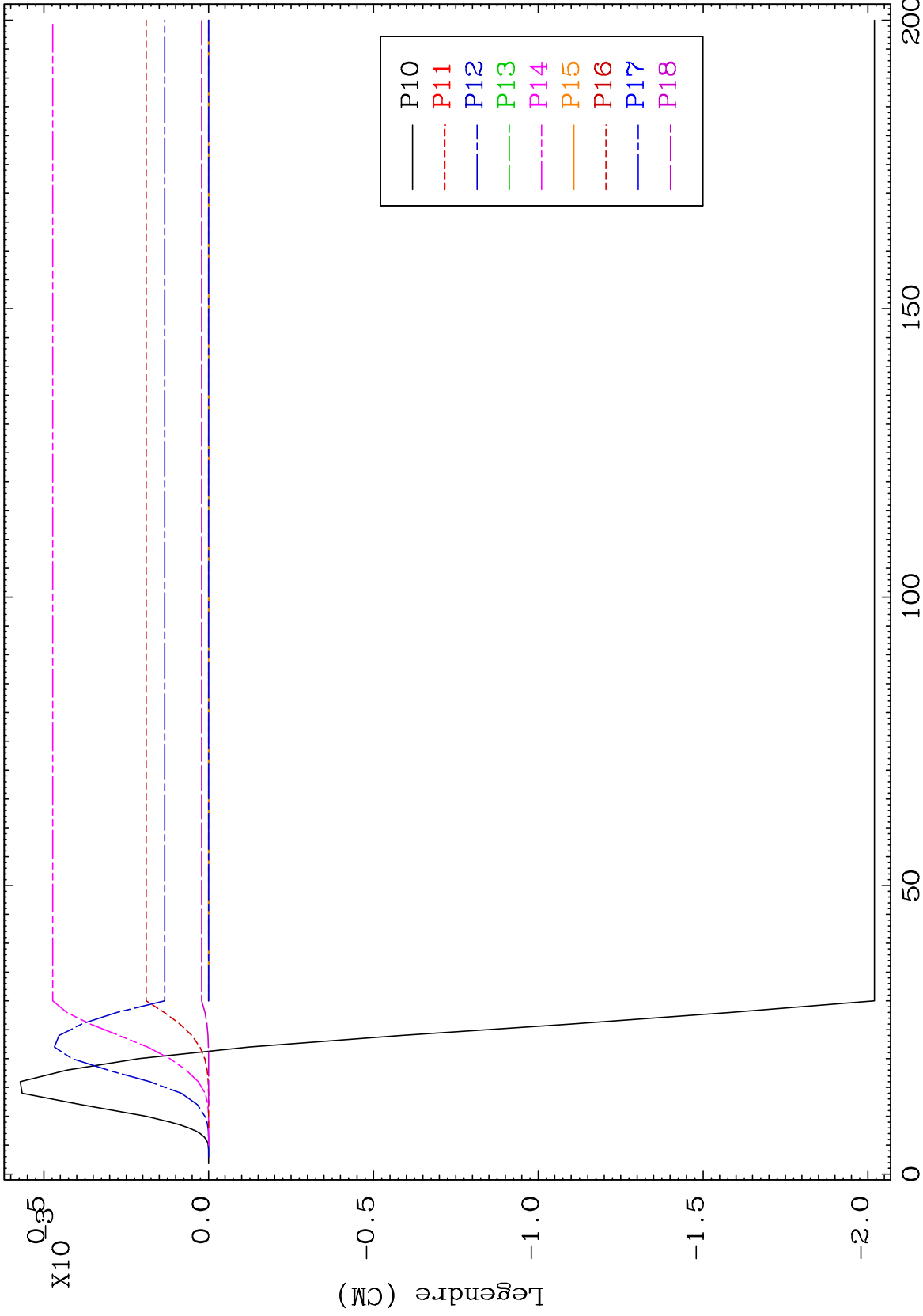
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



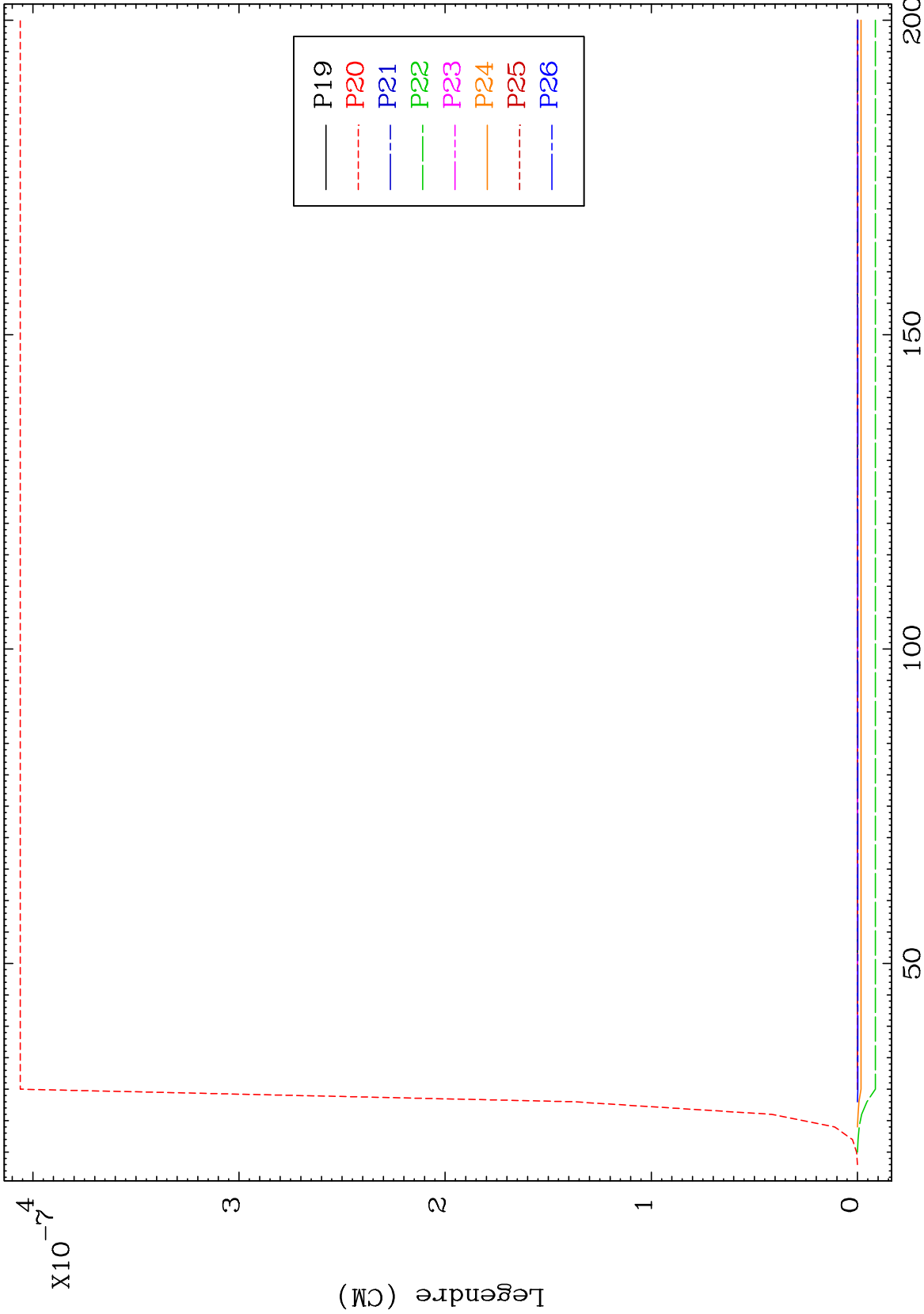
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64-Gd-141

MAT 6392

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

64-Gd-141



43

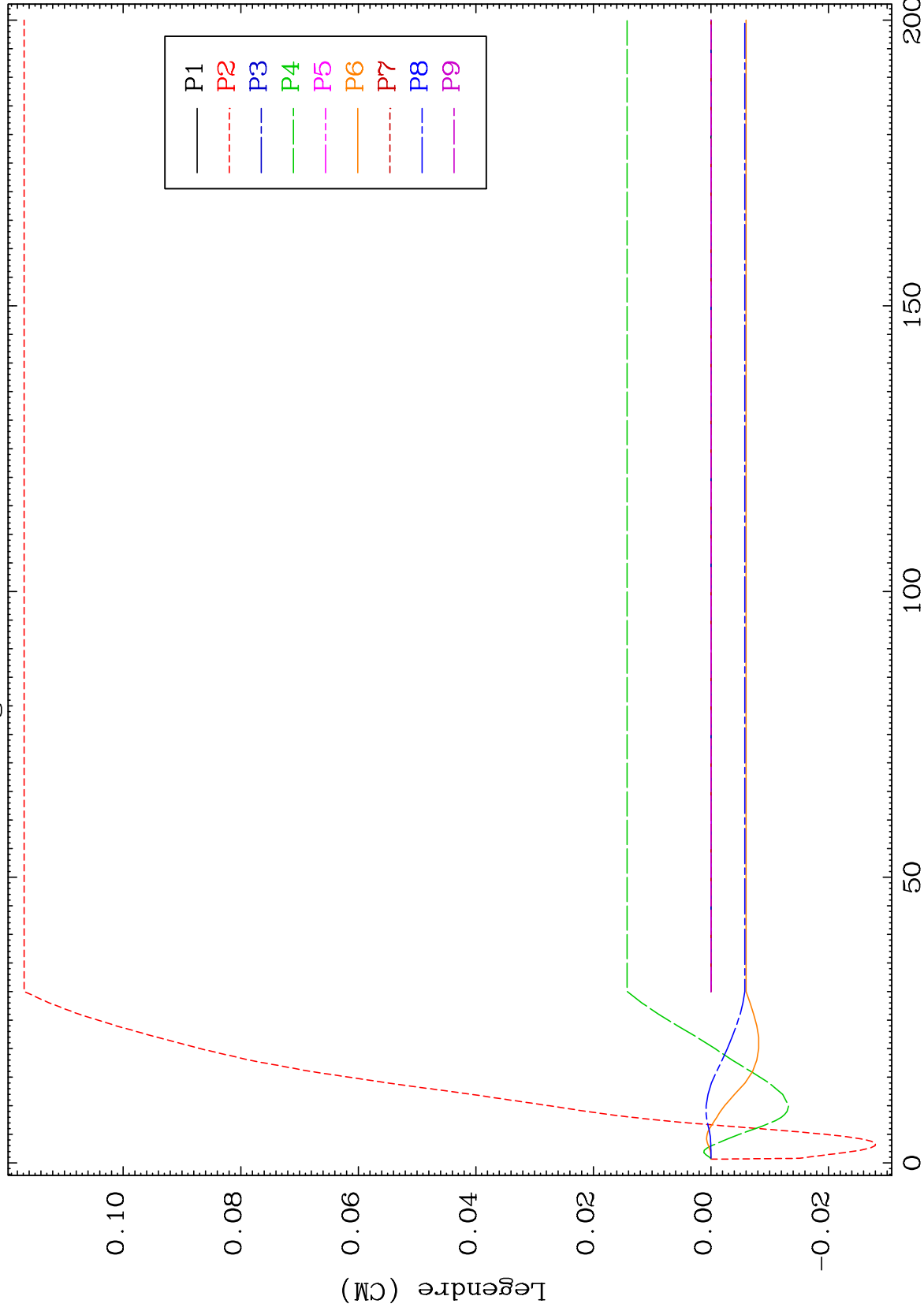
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



44

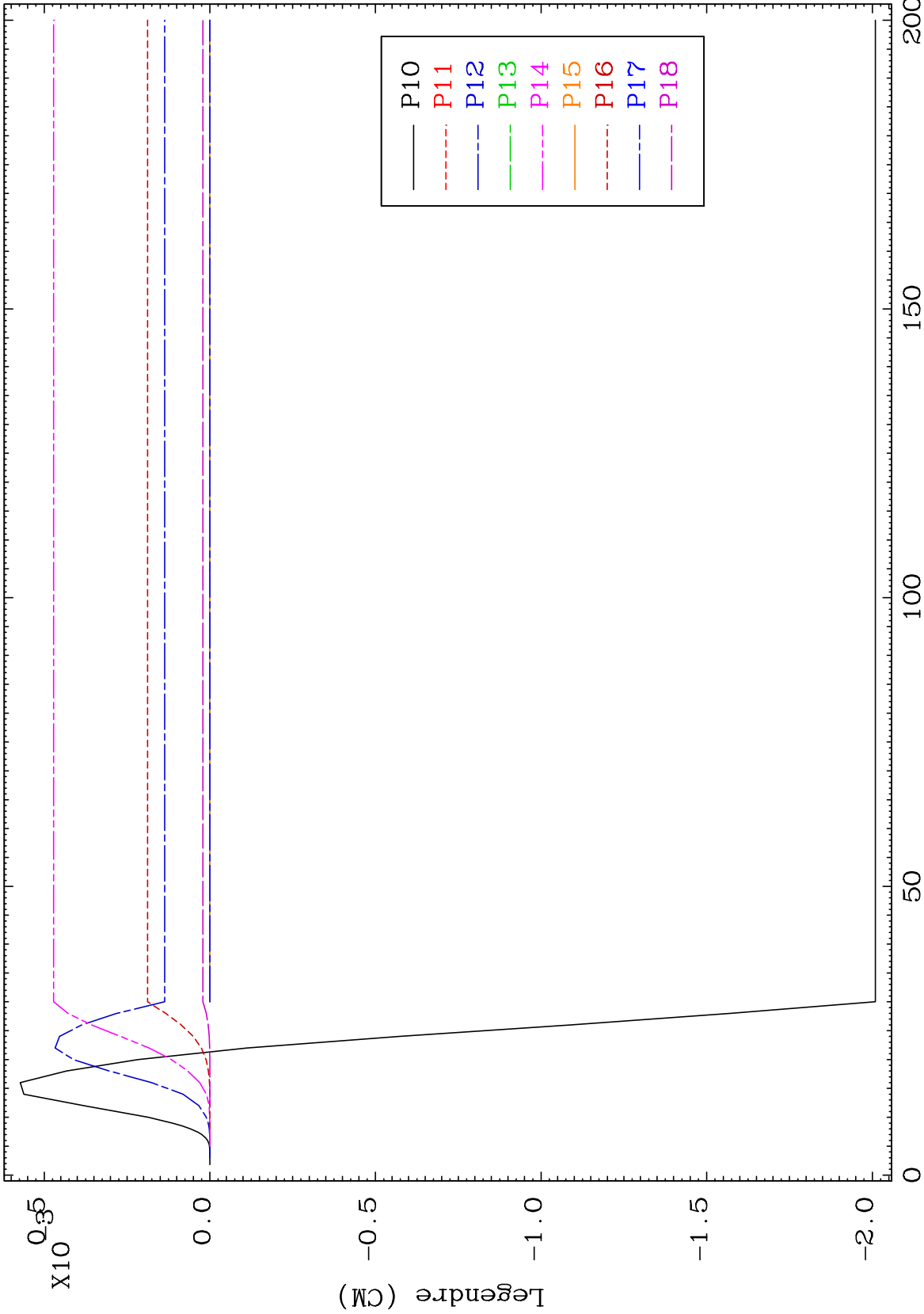
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141

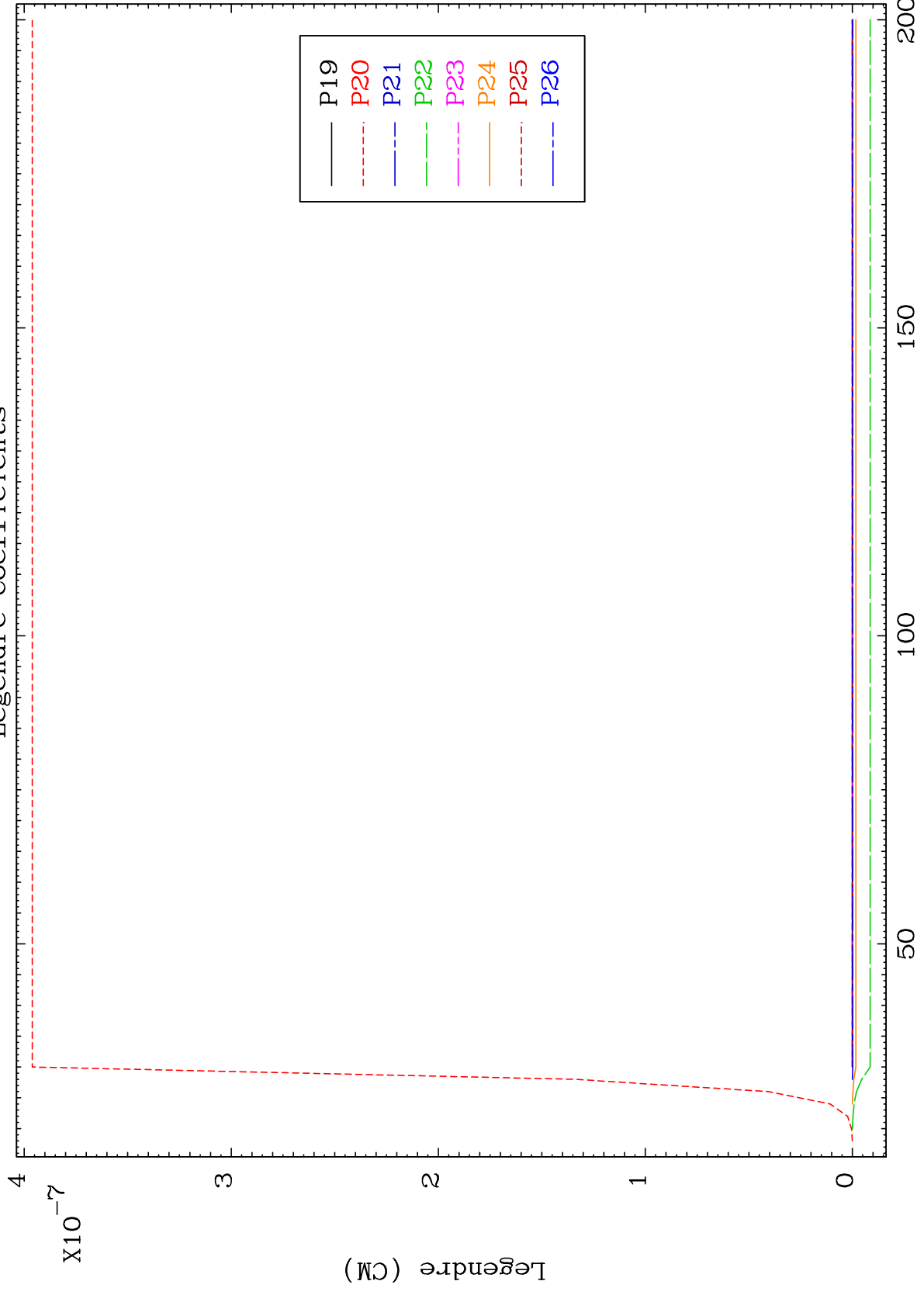


45

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-141

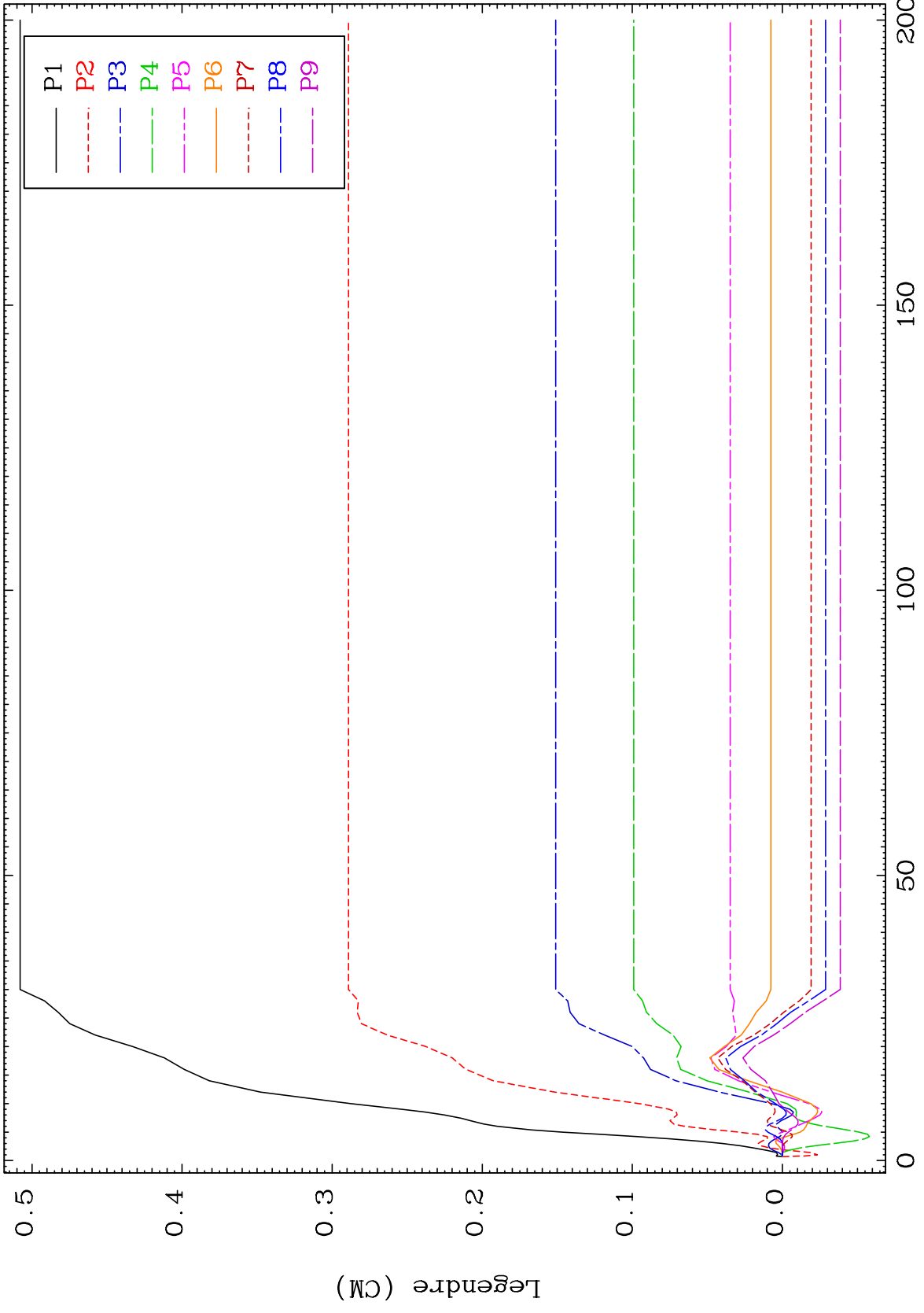


46 64-Gd-141

MAT 6392

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

64-Gd-141



47

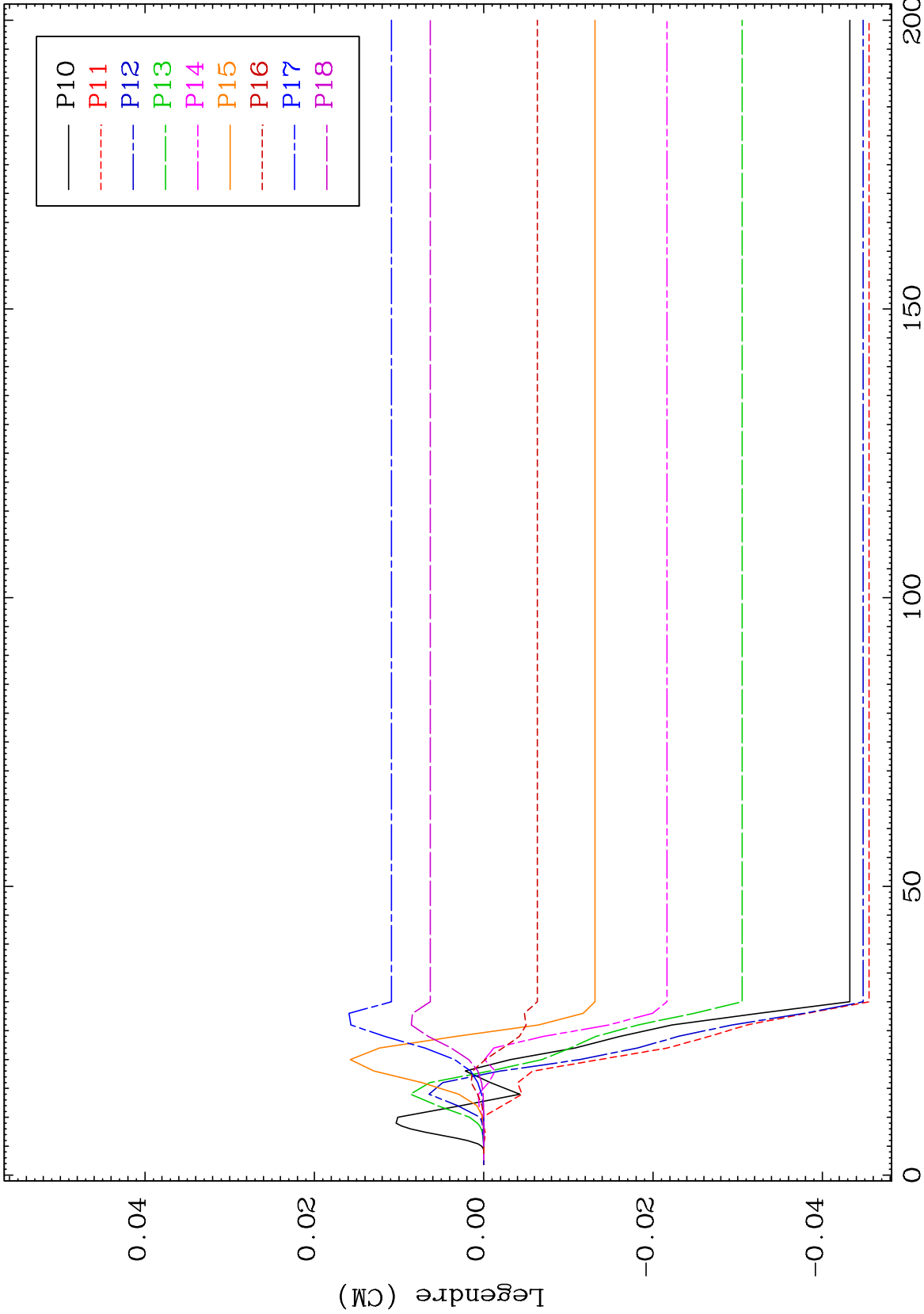
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



48

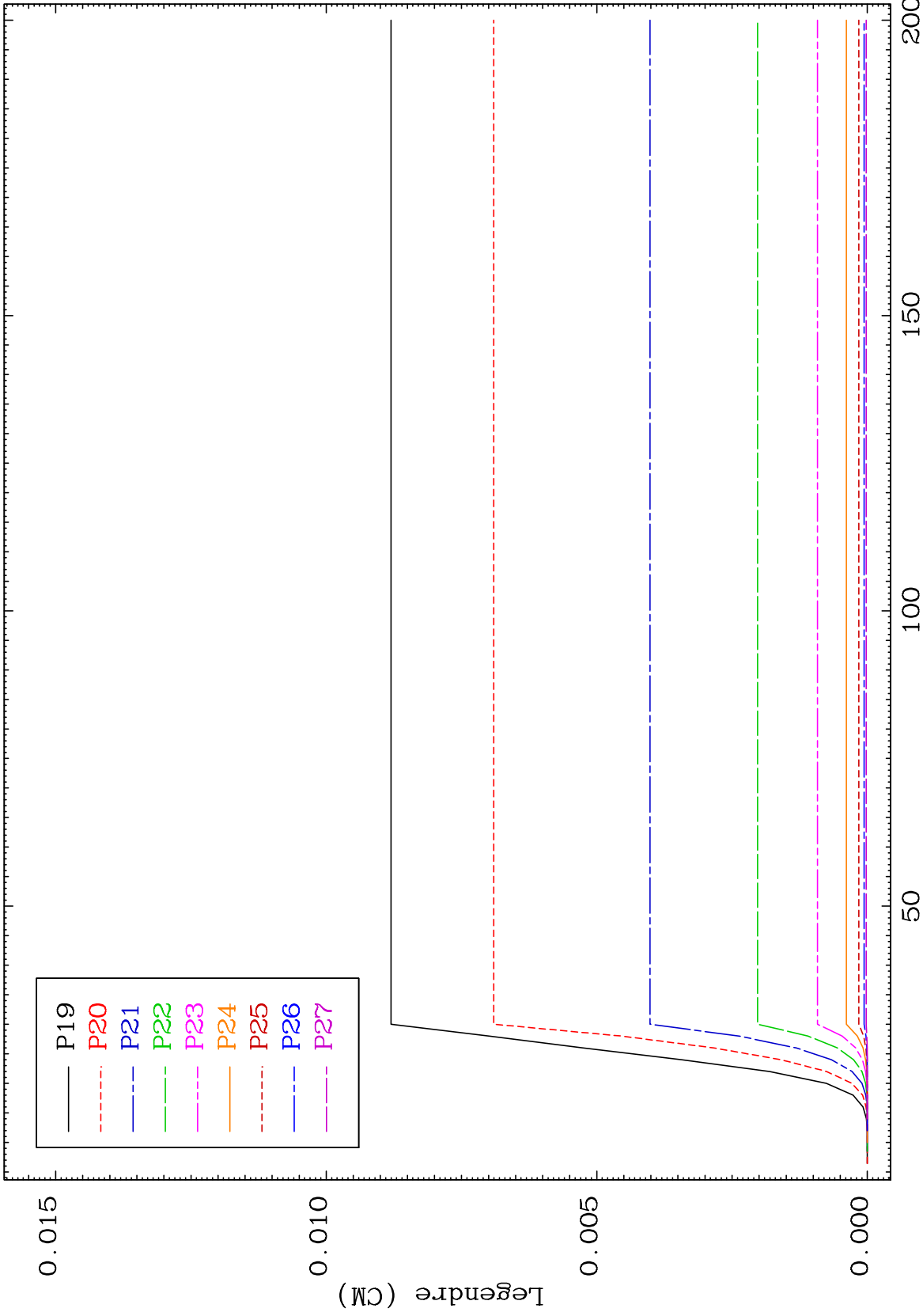
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



49

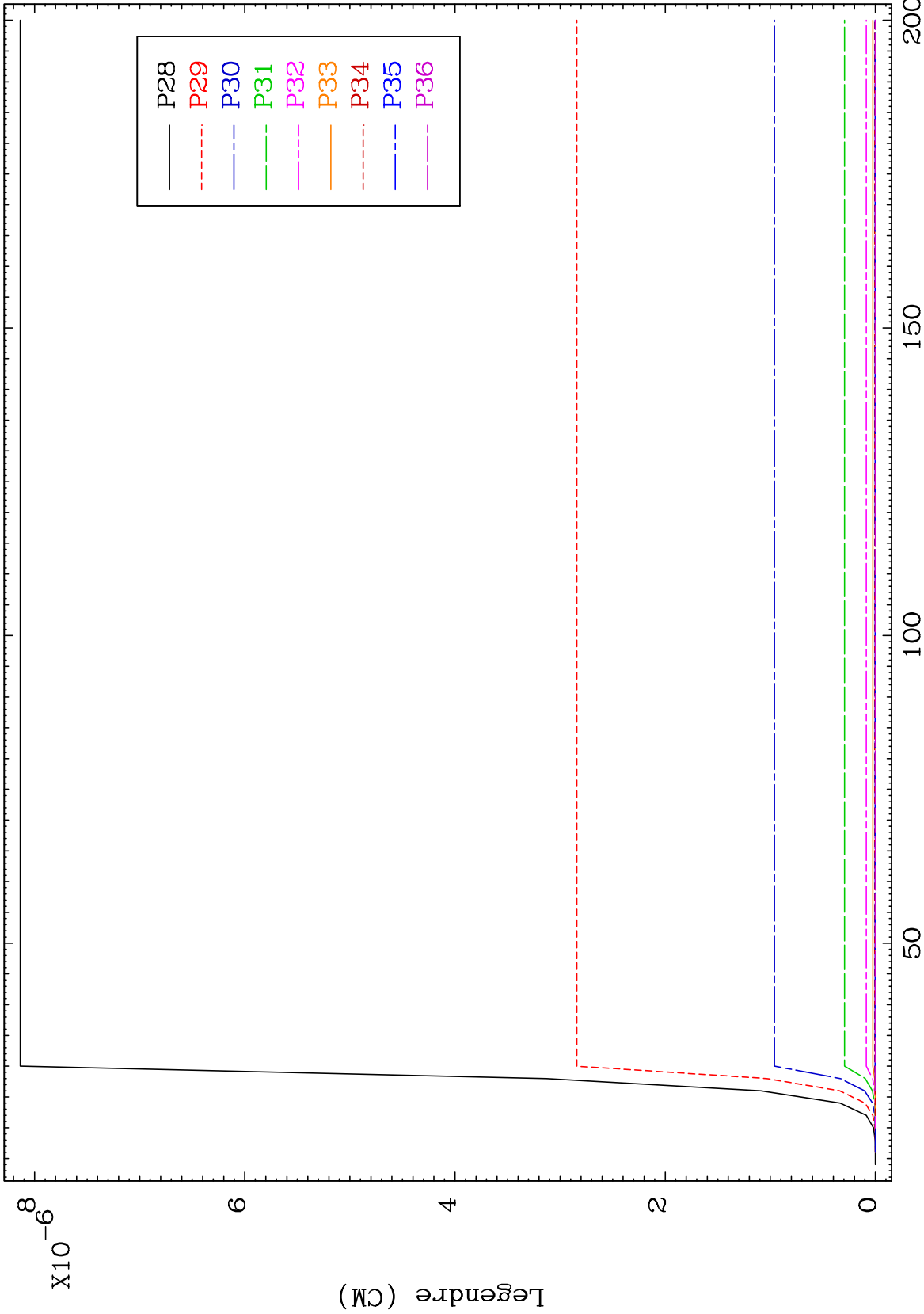
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141

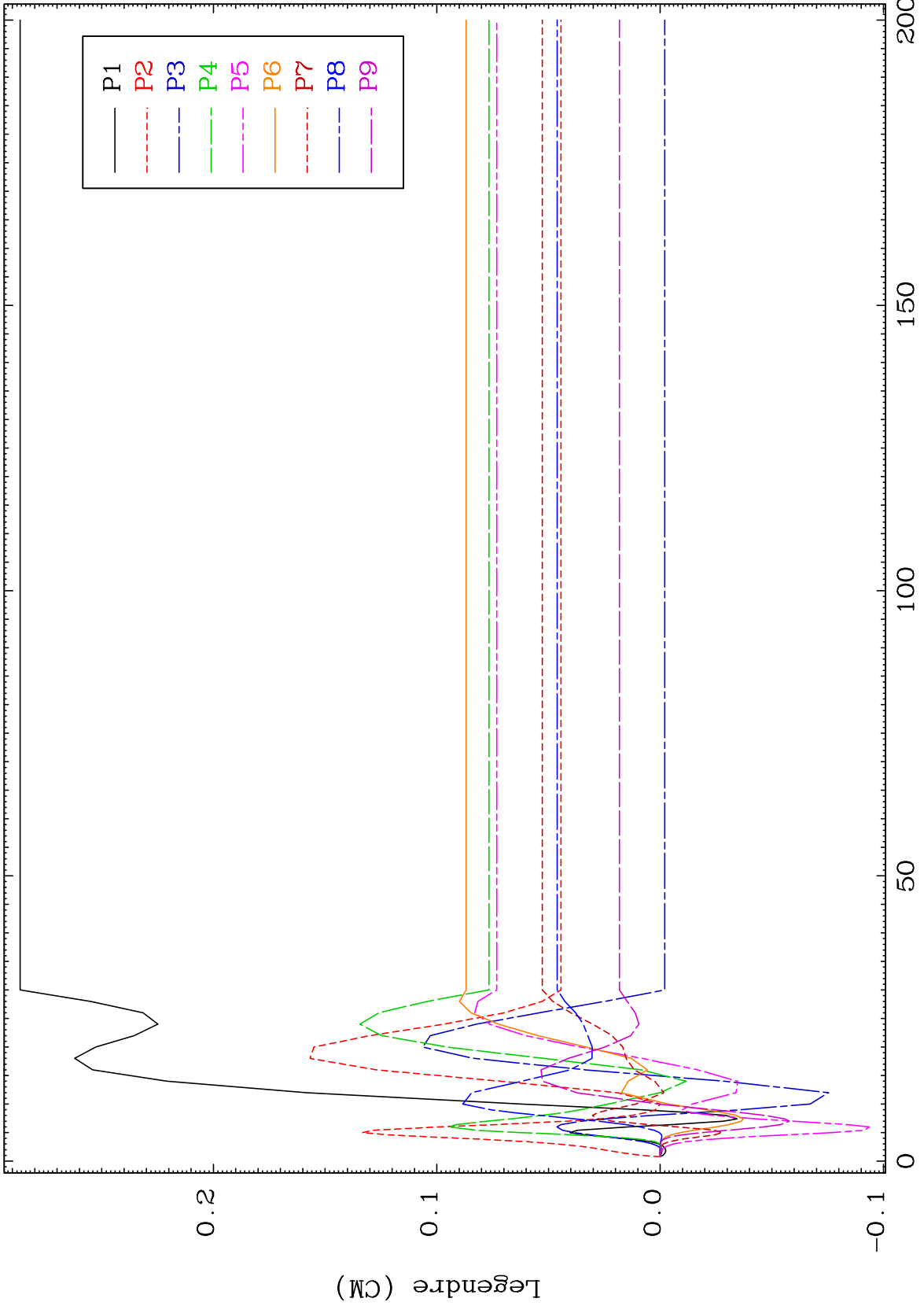


50

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-141

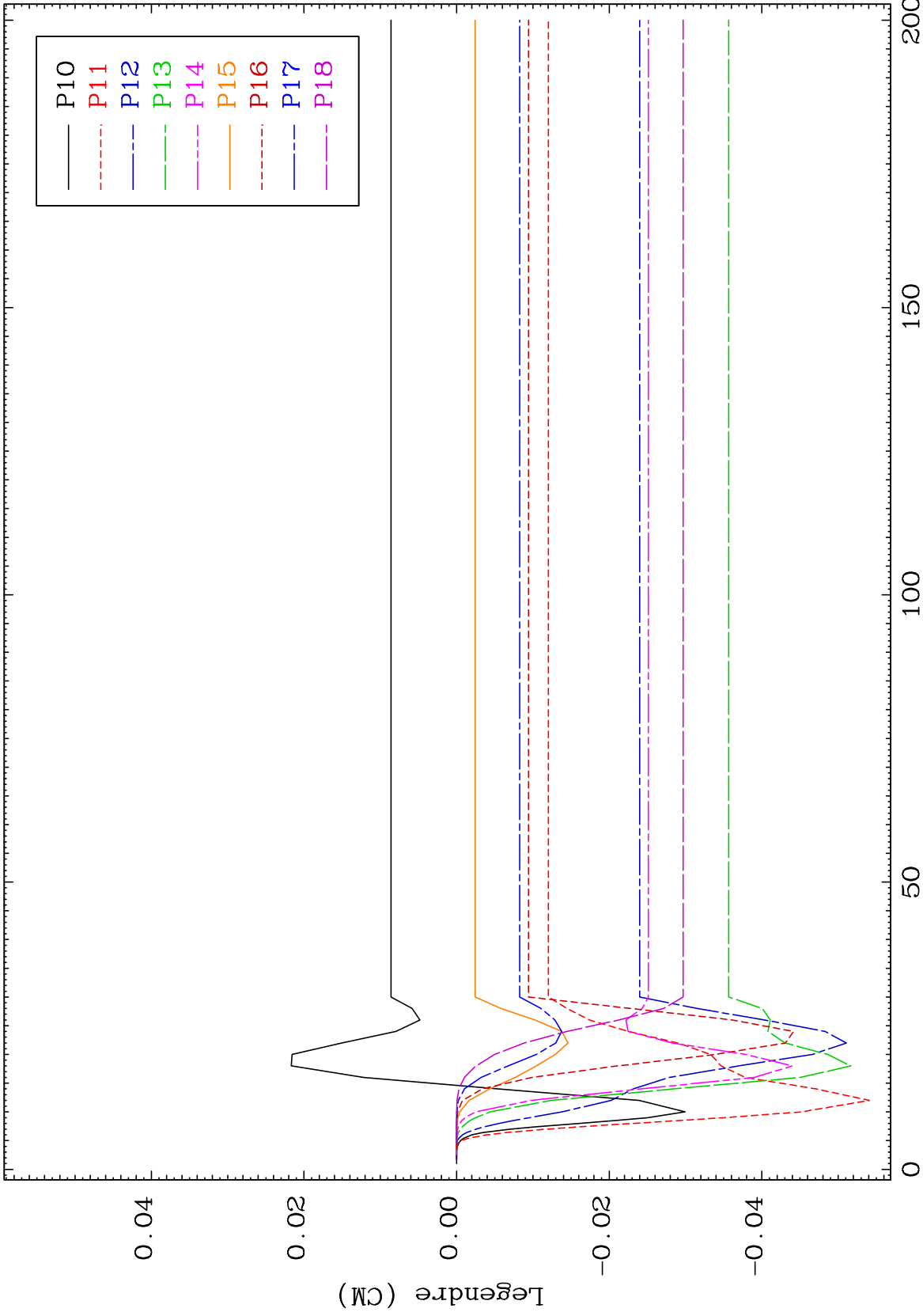


51 64-Gd-141

MAT 6392

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

64-Gd-141

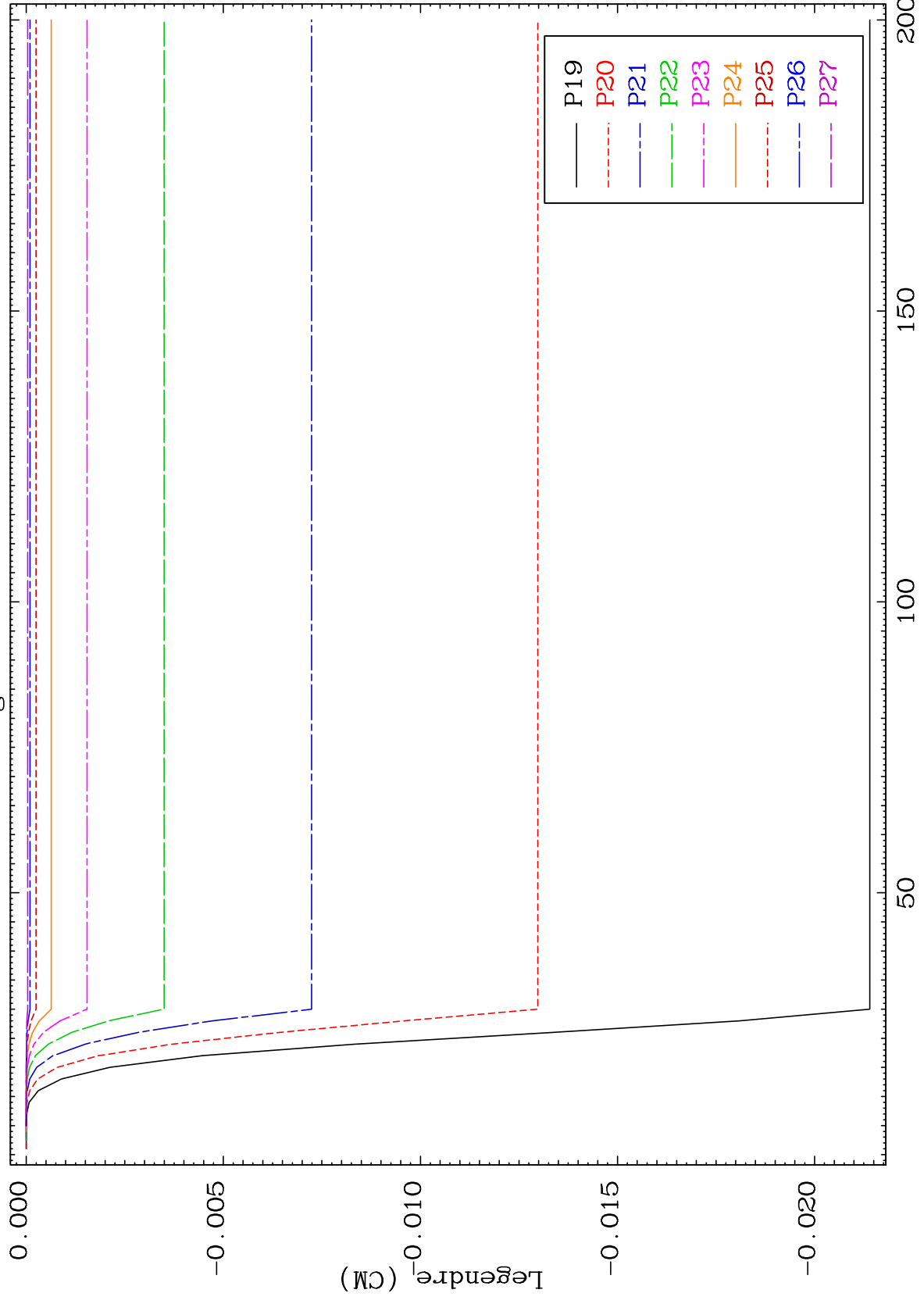


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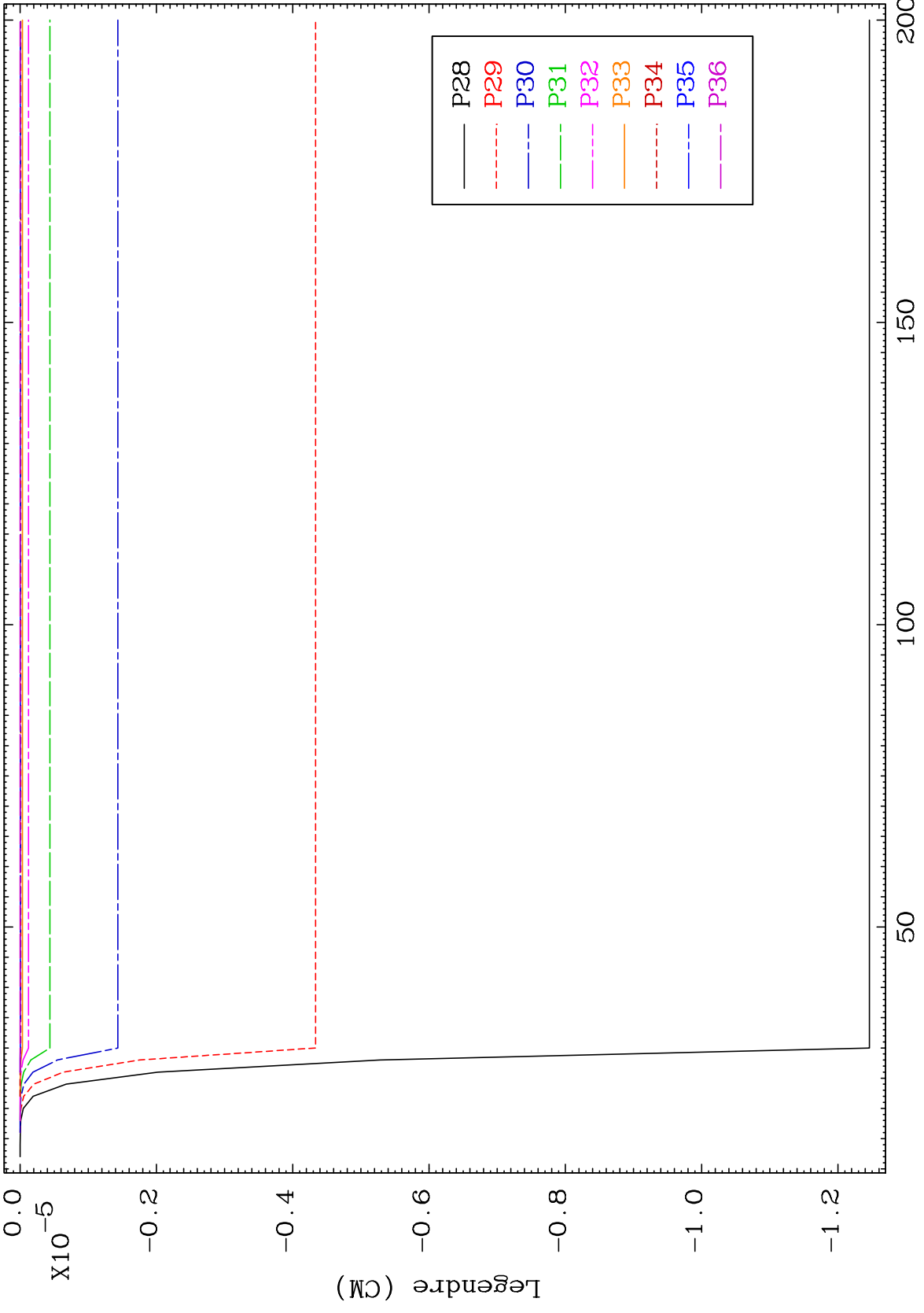
Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-141



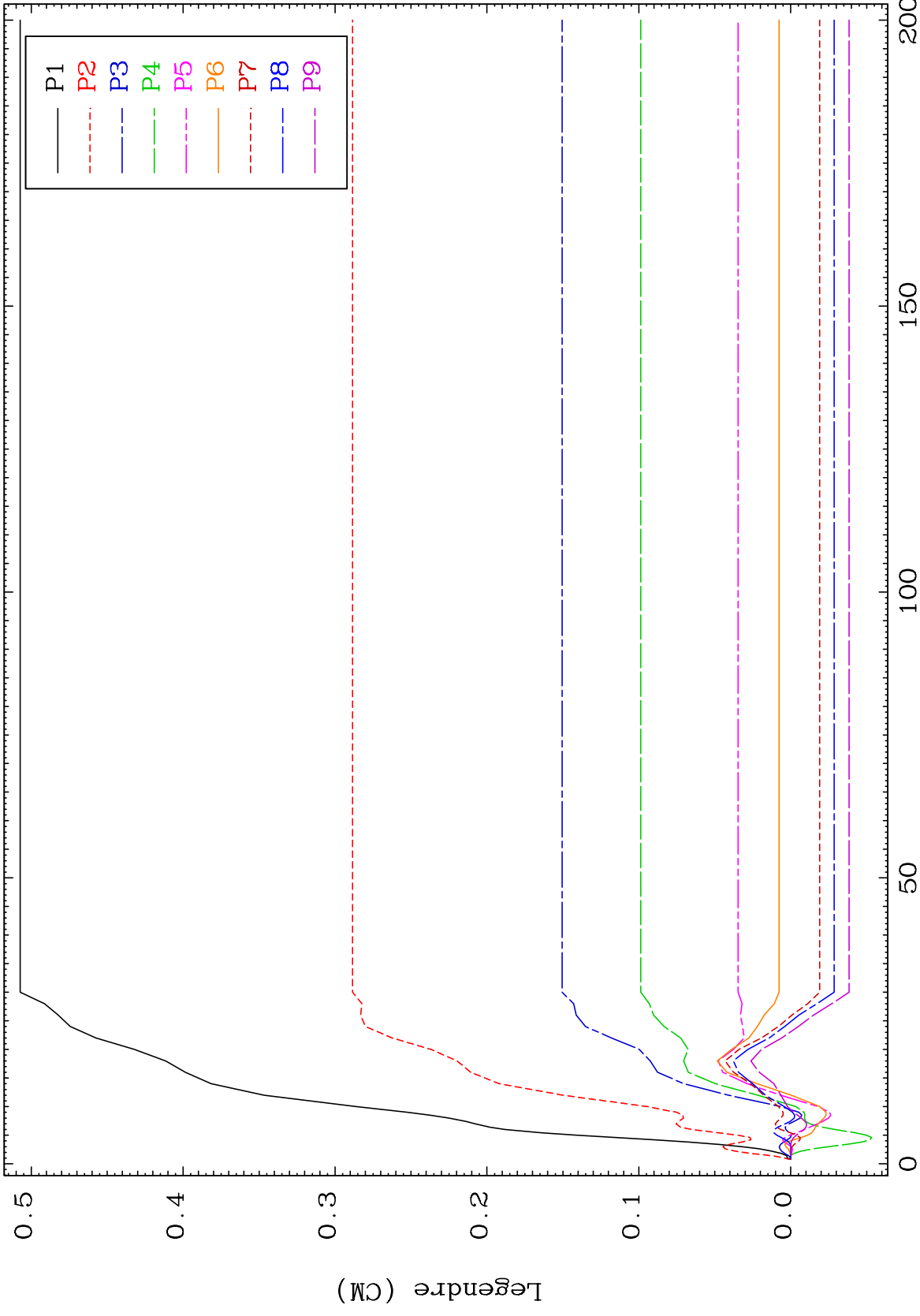
Legendre Coefficients



MAT 6392

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

64-Gd-141



55

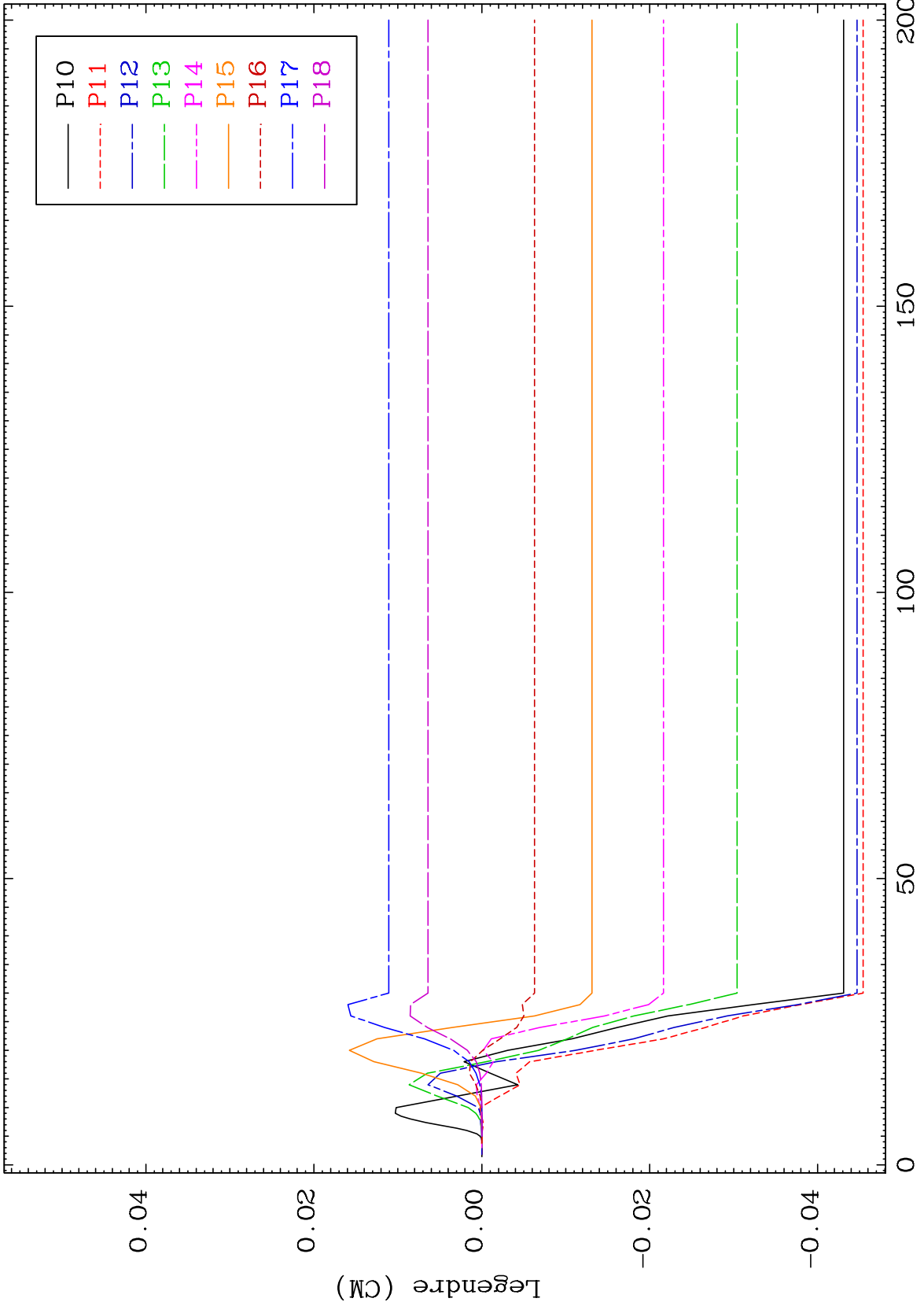
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



56

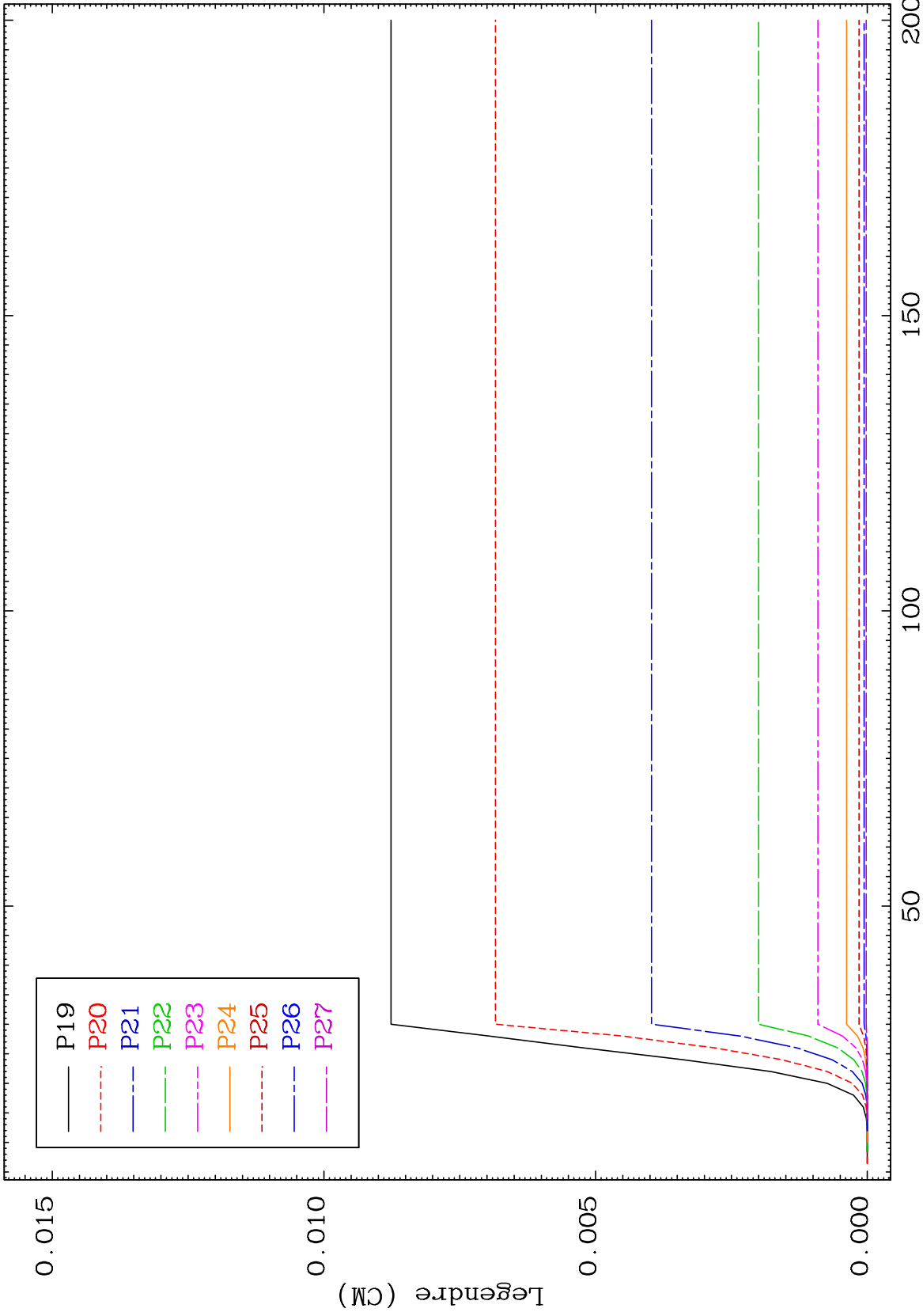
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



57

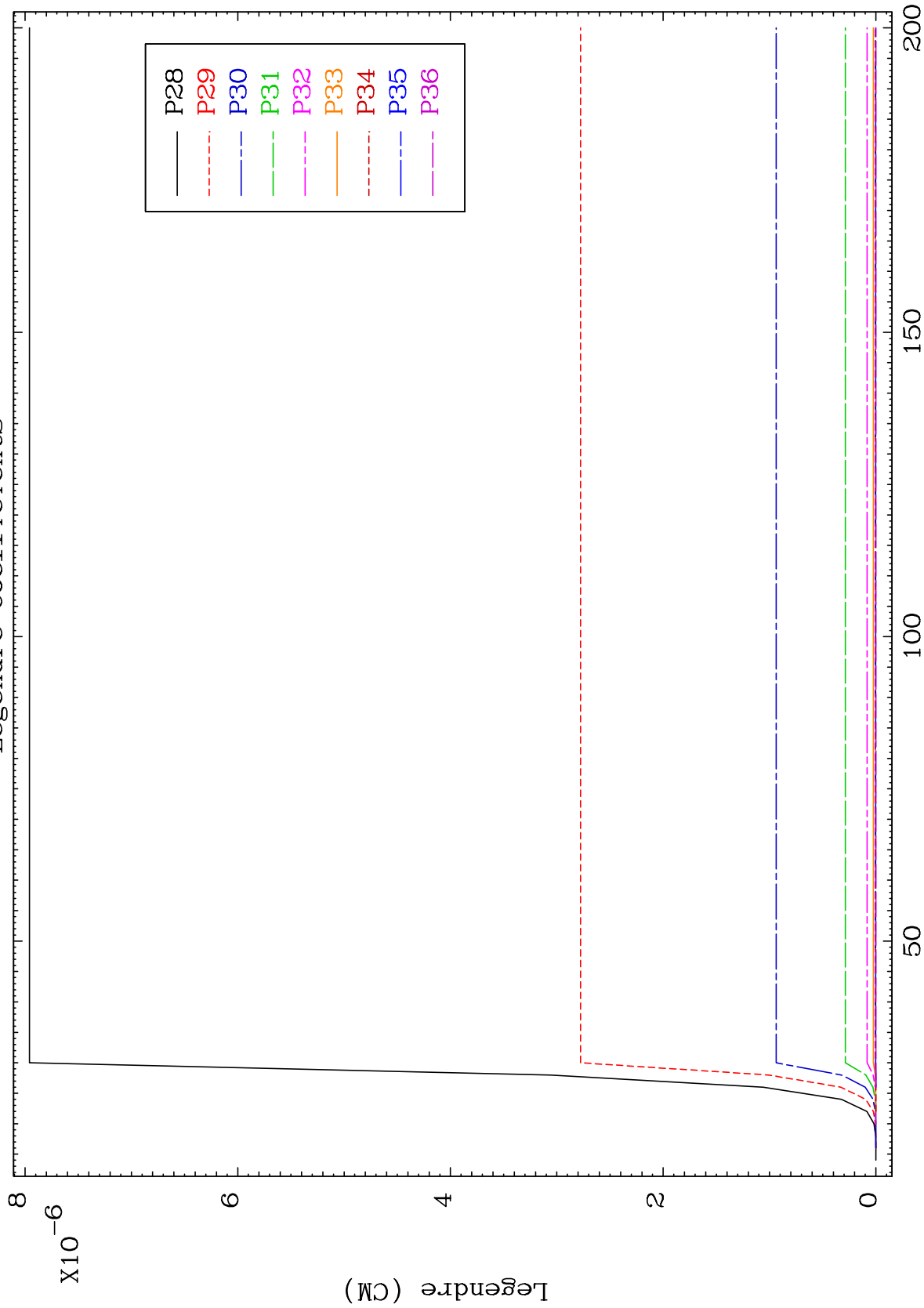
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



58

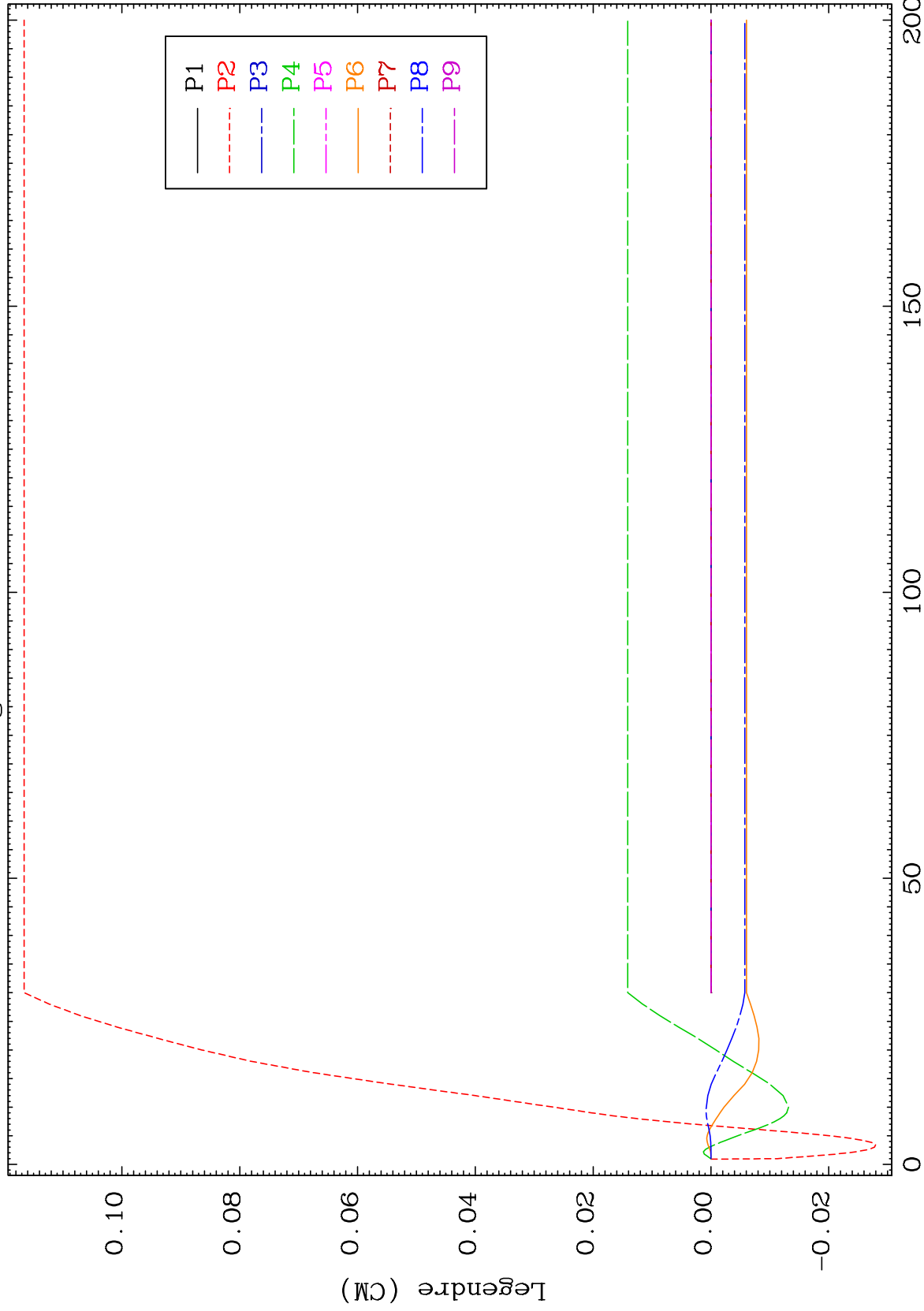
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



59

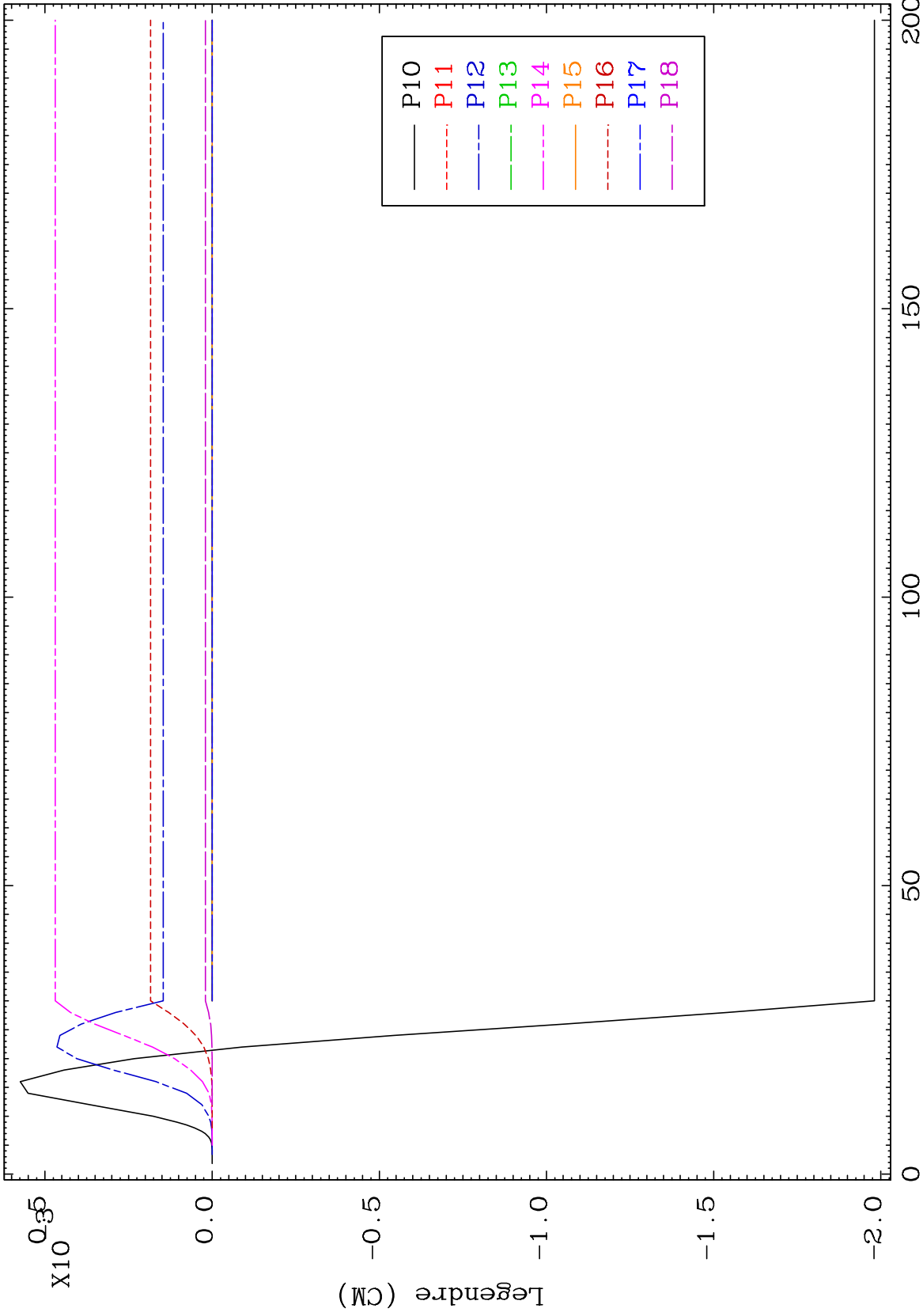
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



60

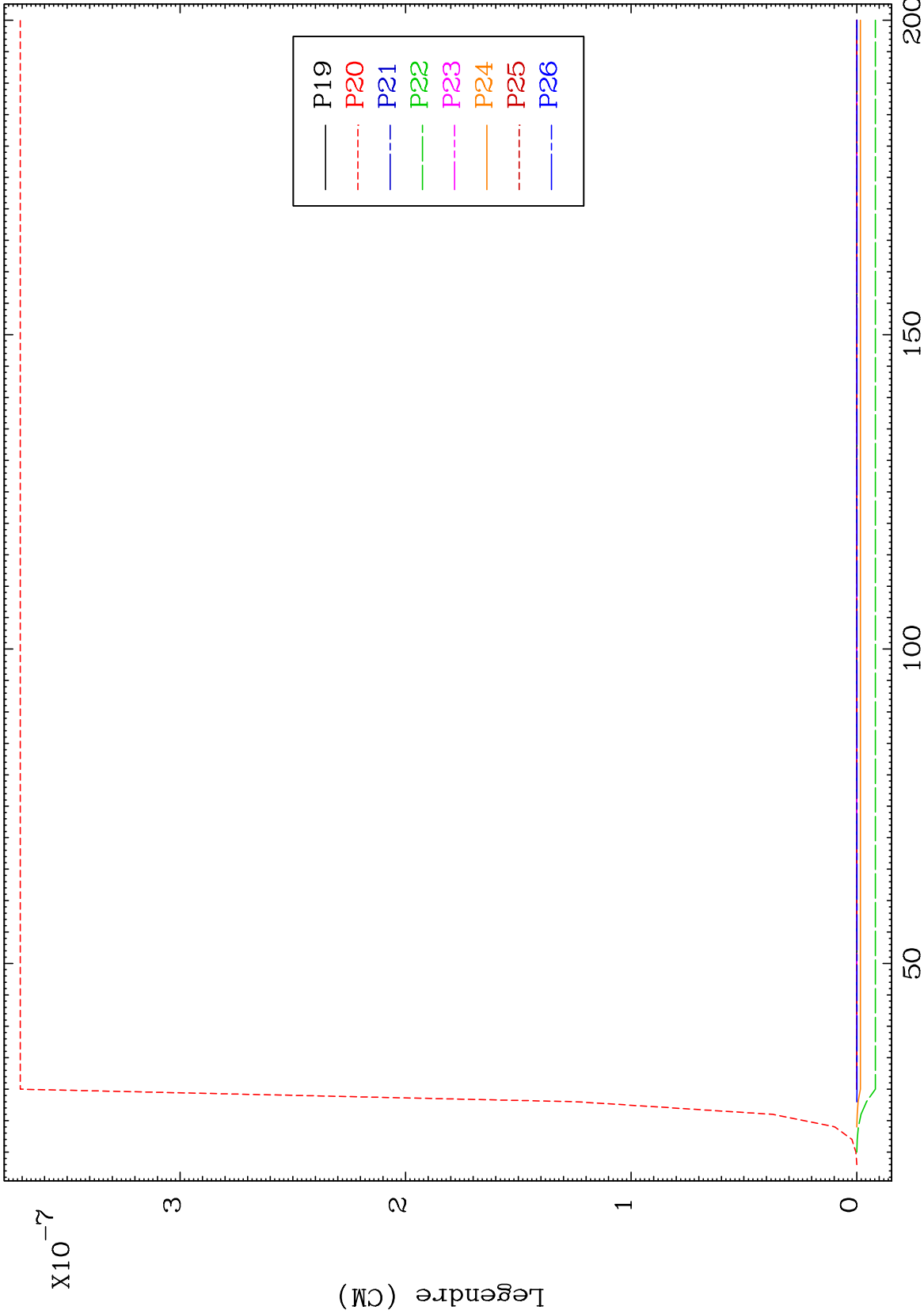
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141

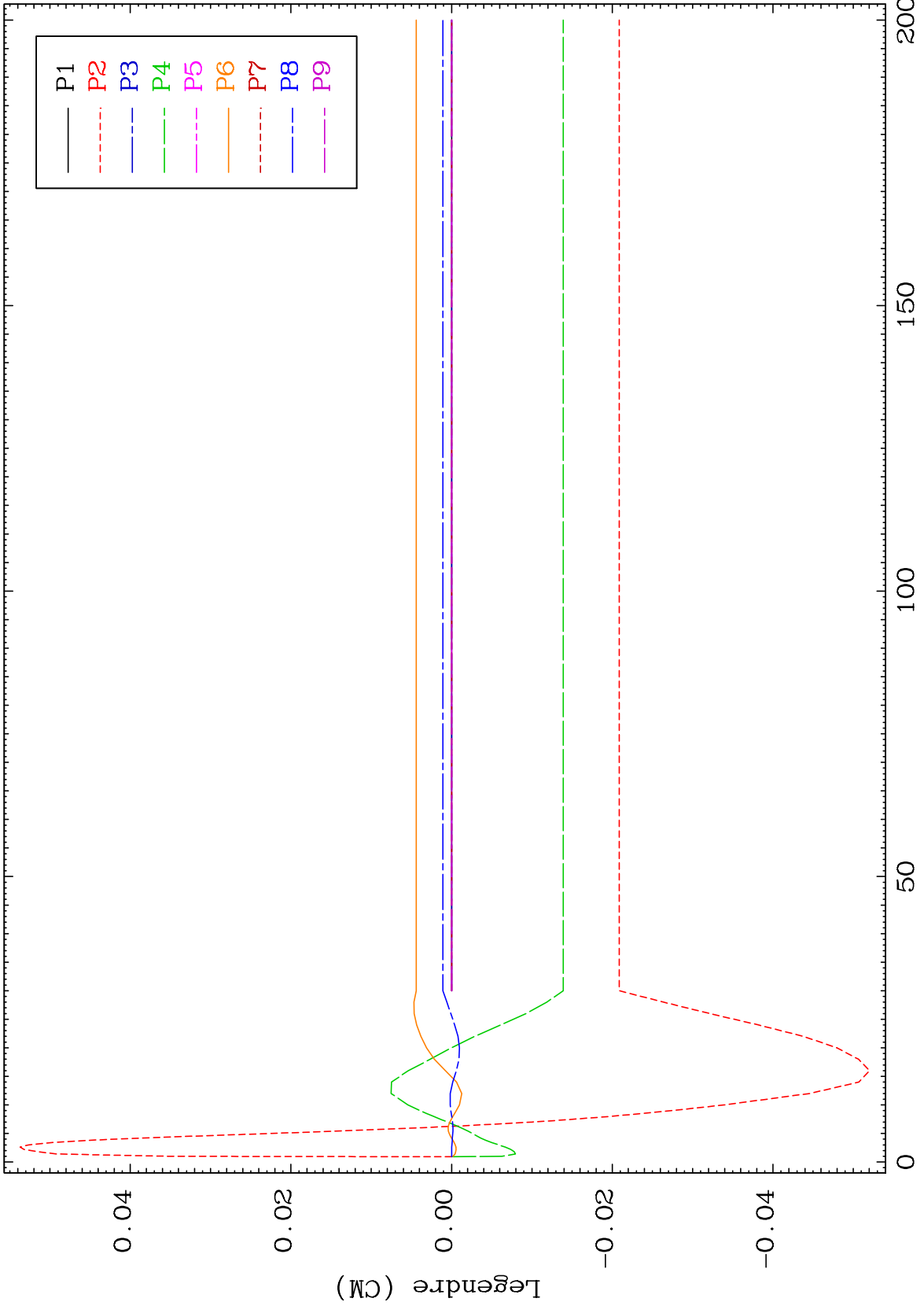


61

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-141

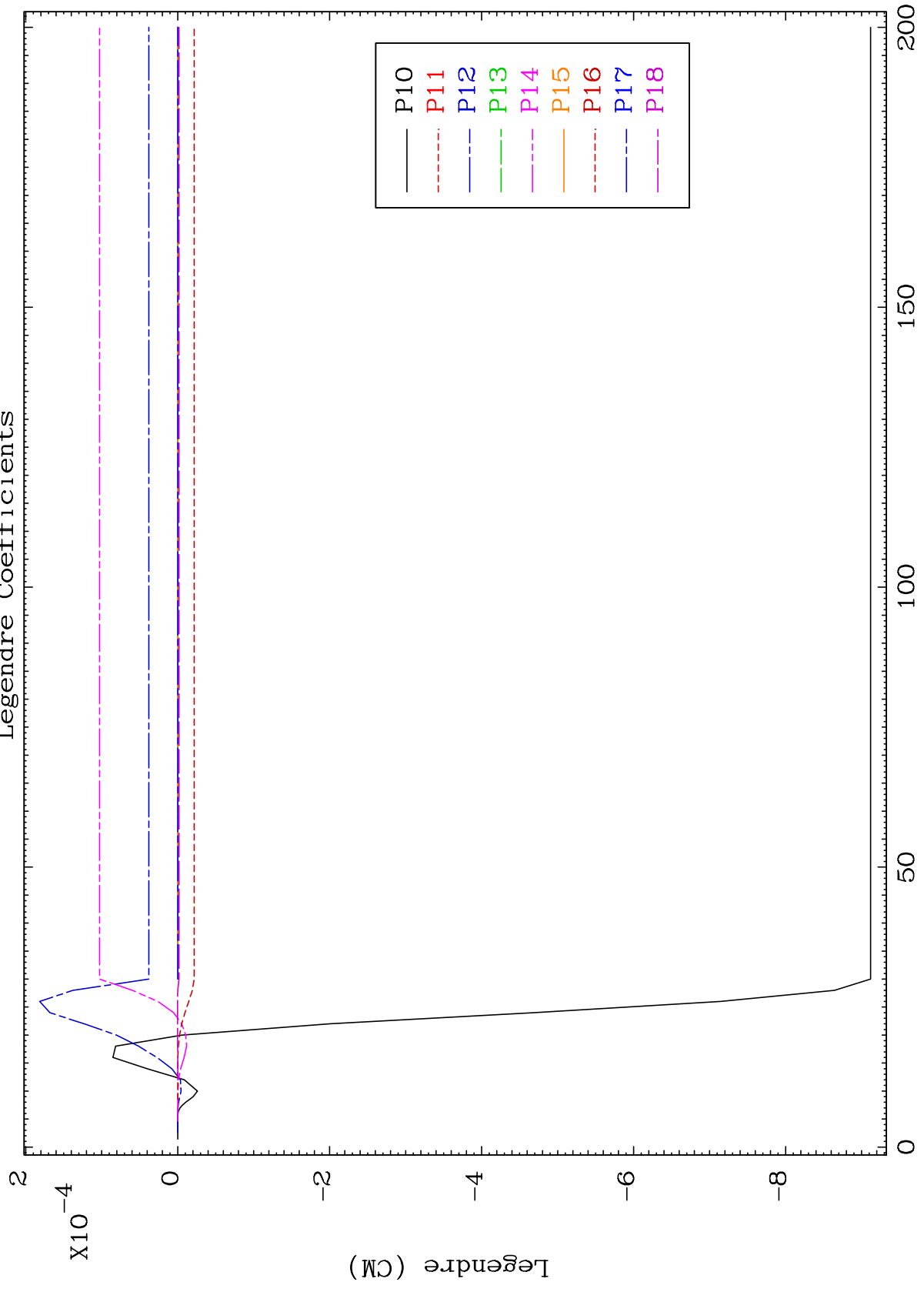


64-Gd-141

MAT 6392

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

64-Gd-141

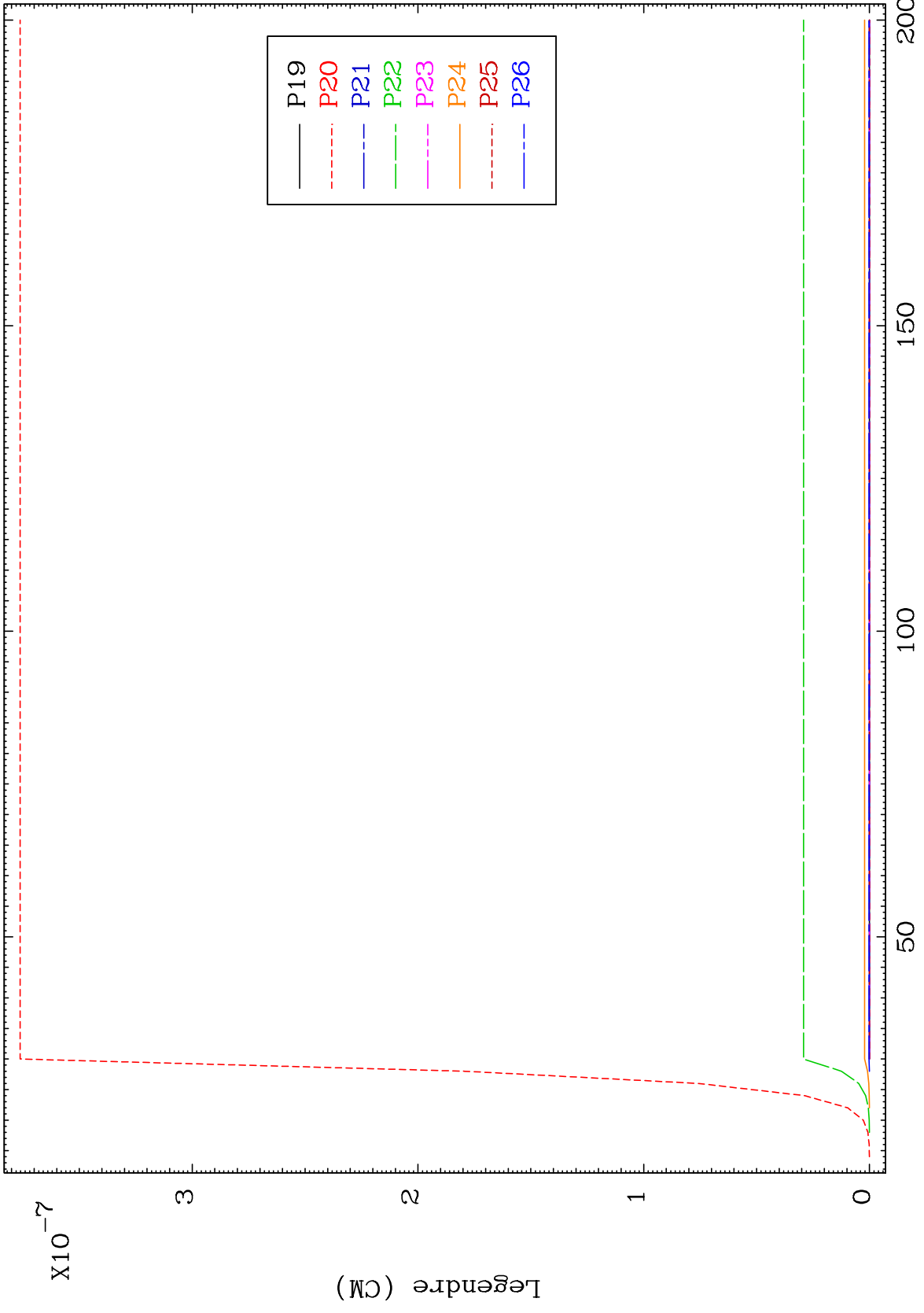


64-Gd-141

Incident Energy (MeV)

63

MAT 6392 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-141

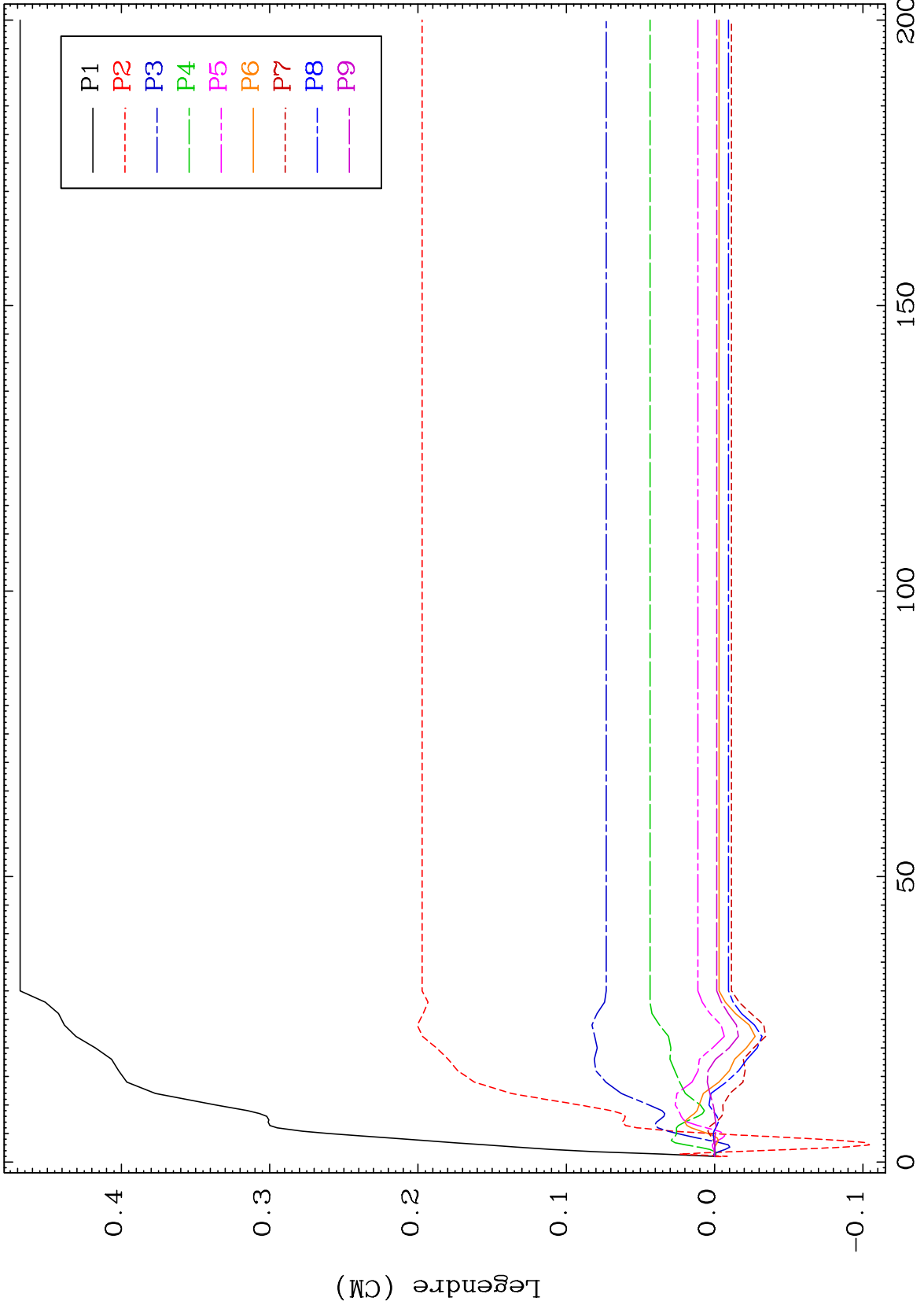


64 64-Gd-141

MAT 6392

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

64-Gd-141



65

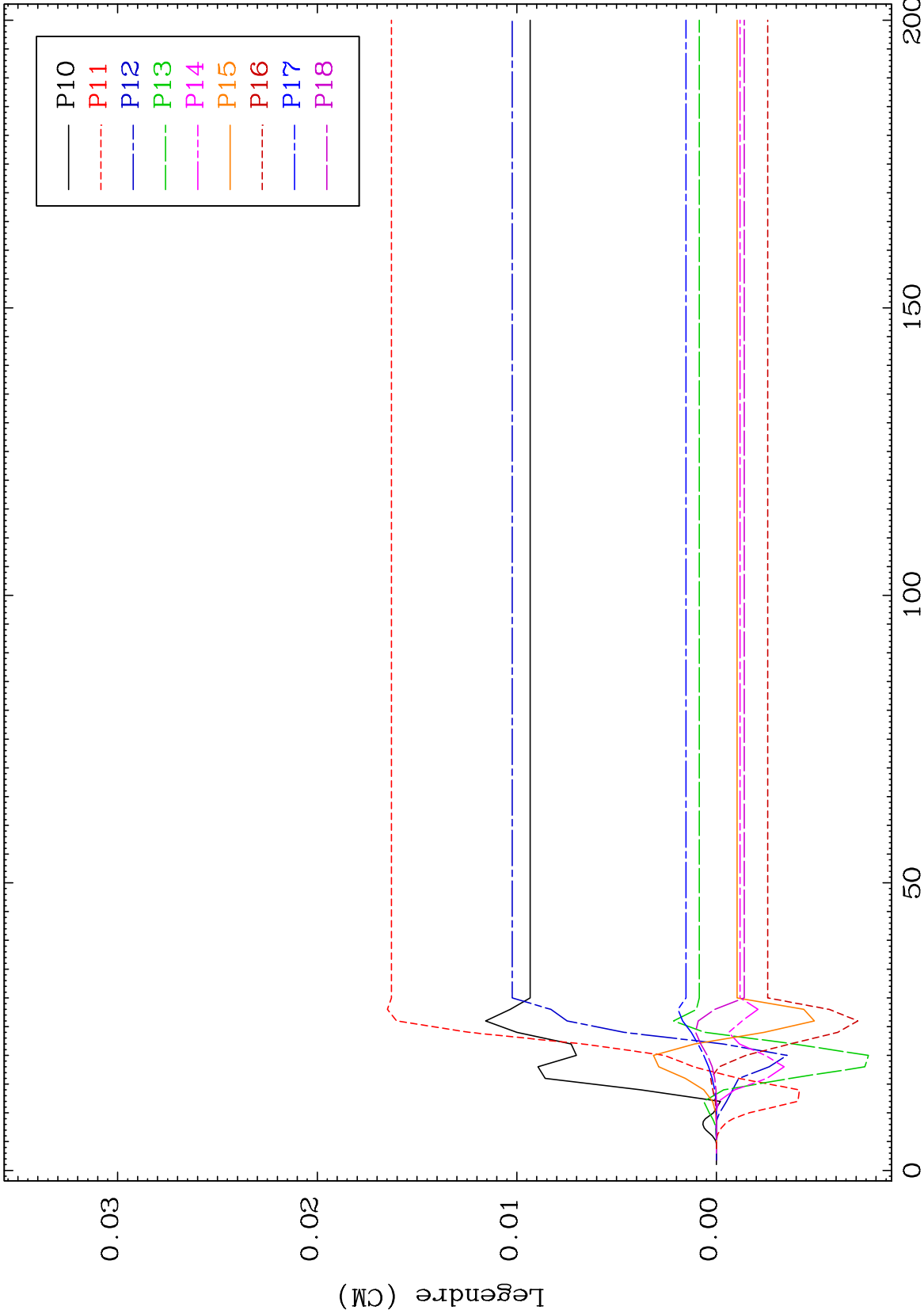
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



66

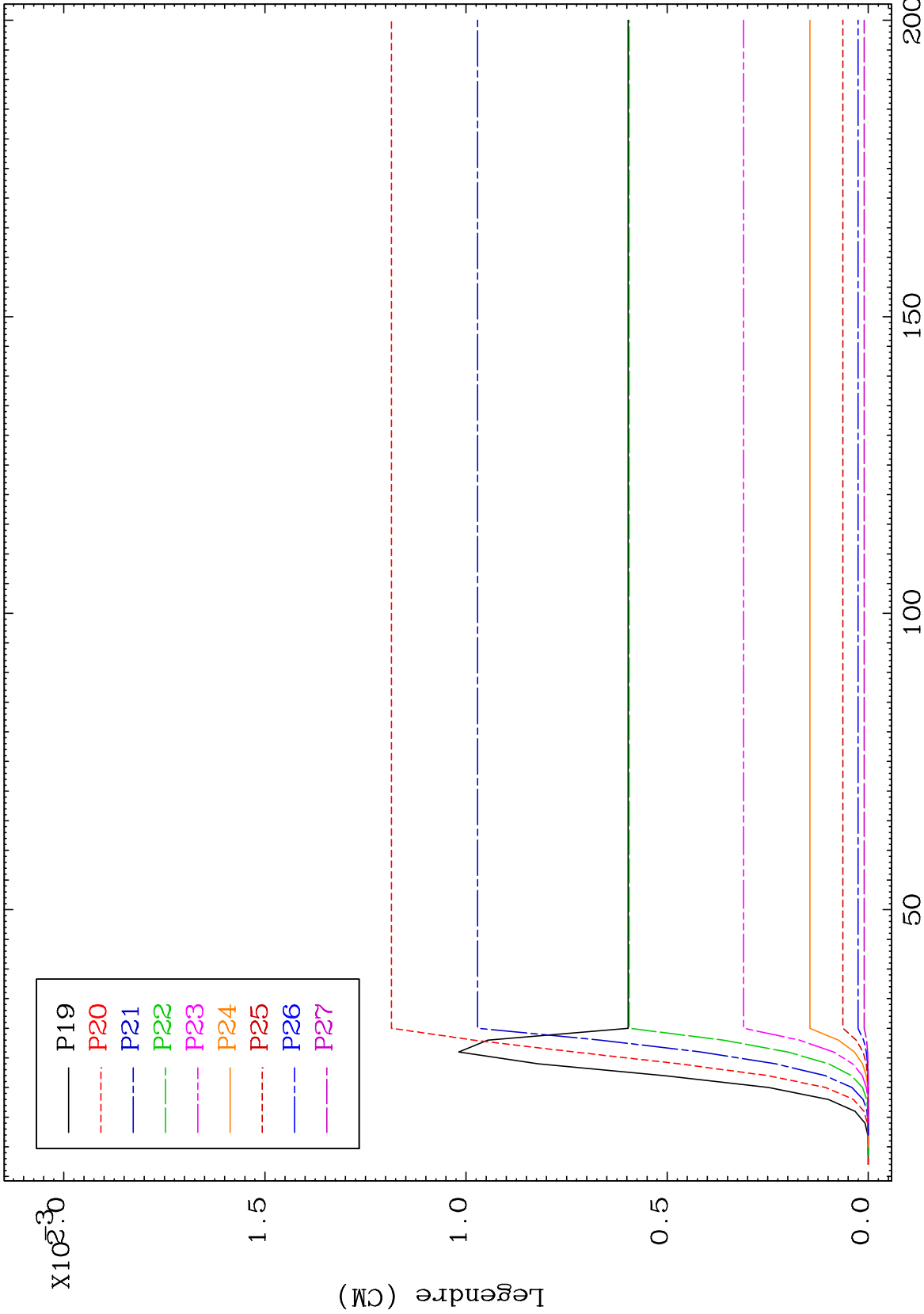
Incident Energy (MeV)

64-Gd-141

MAT 6392

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

64-Gd-141



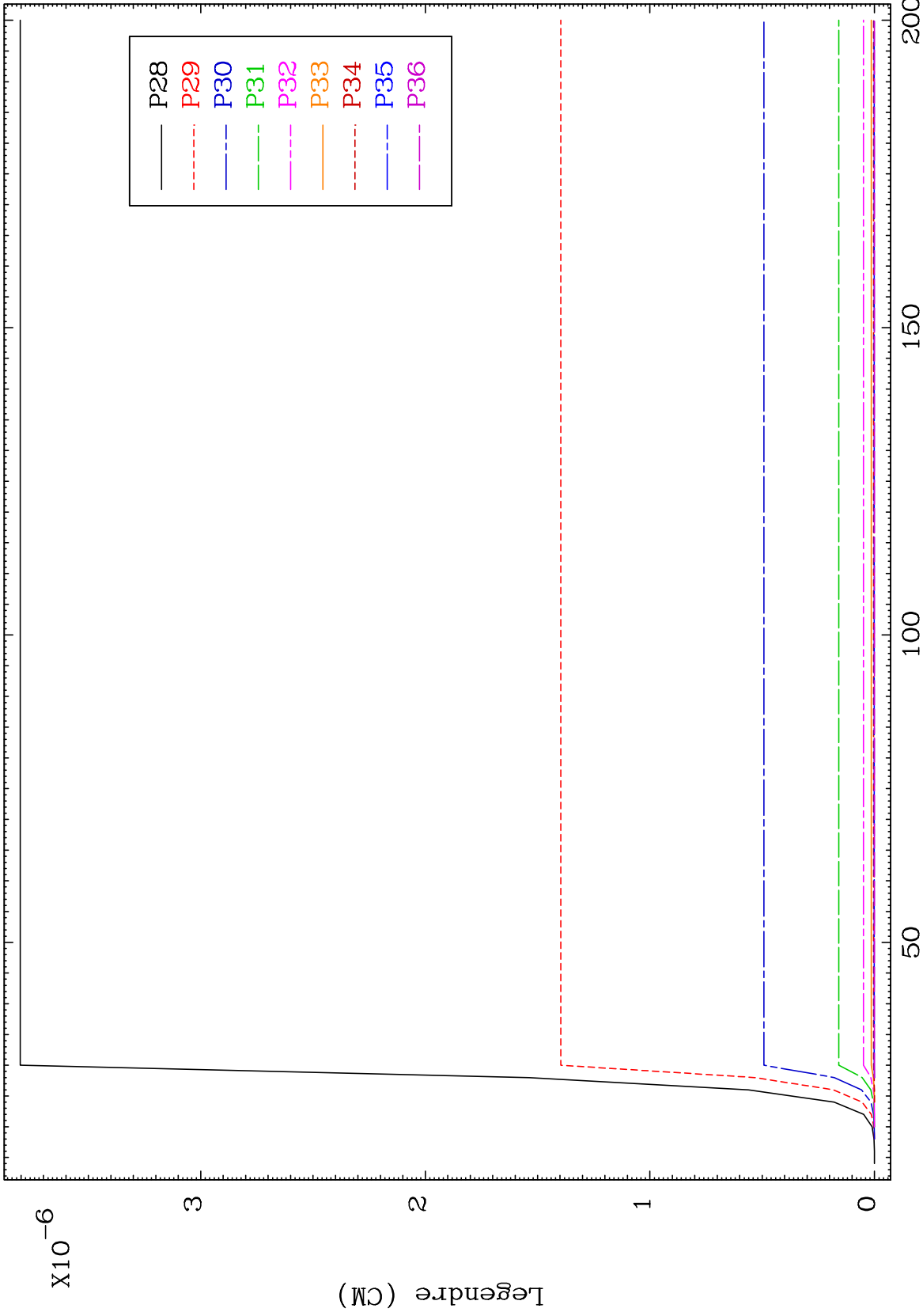
67

64-Gd-141

MAT 6392

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

64-Gd-141



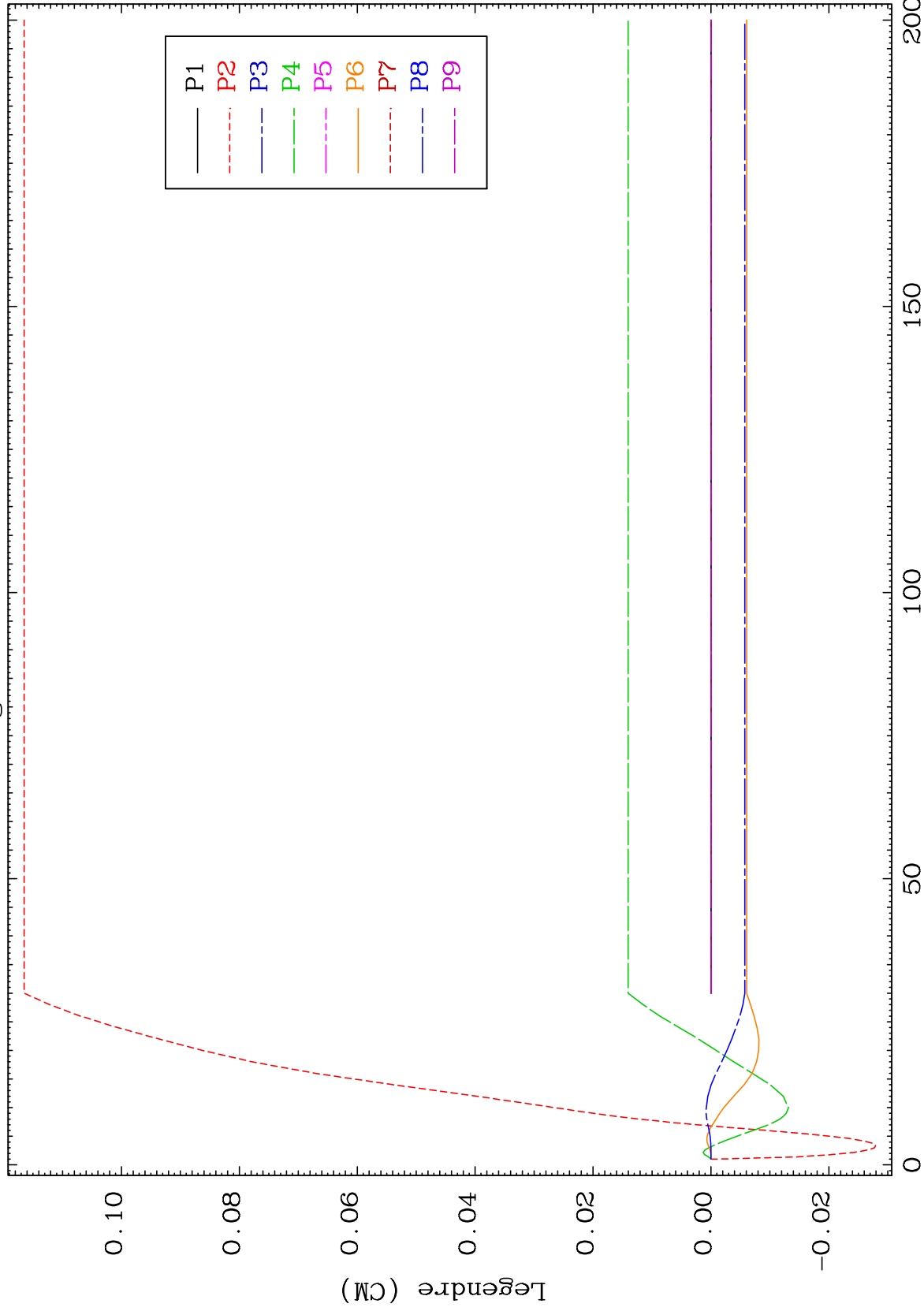
68

64-Gd-141

MAT 6392

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-141



69

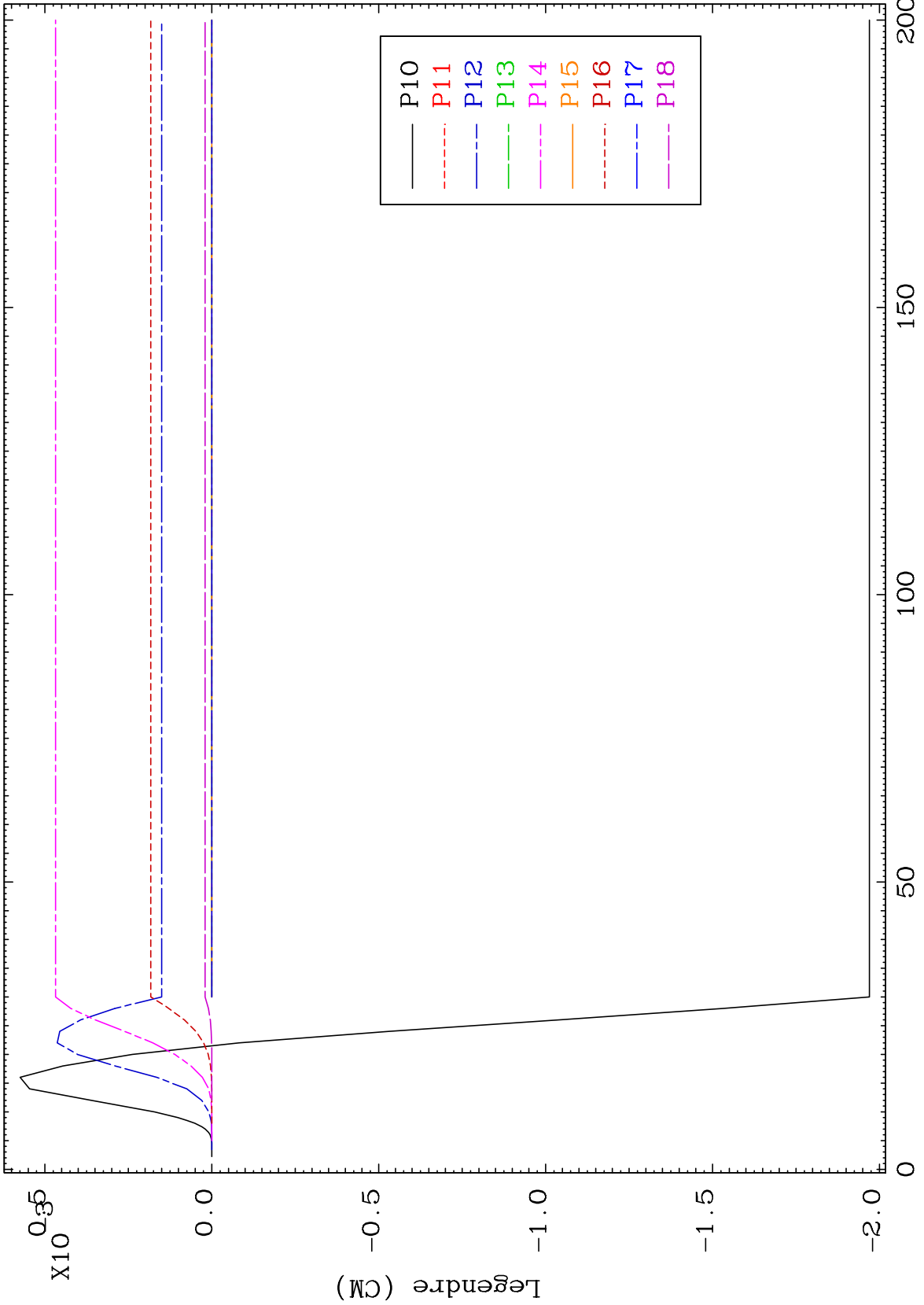
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-141



70

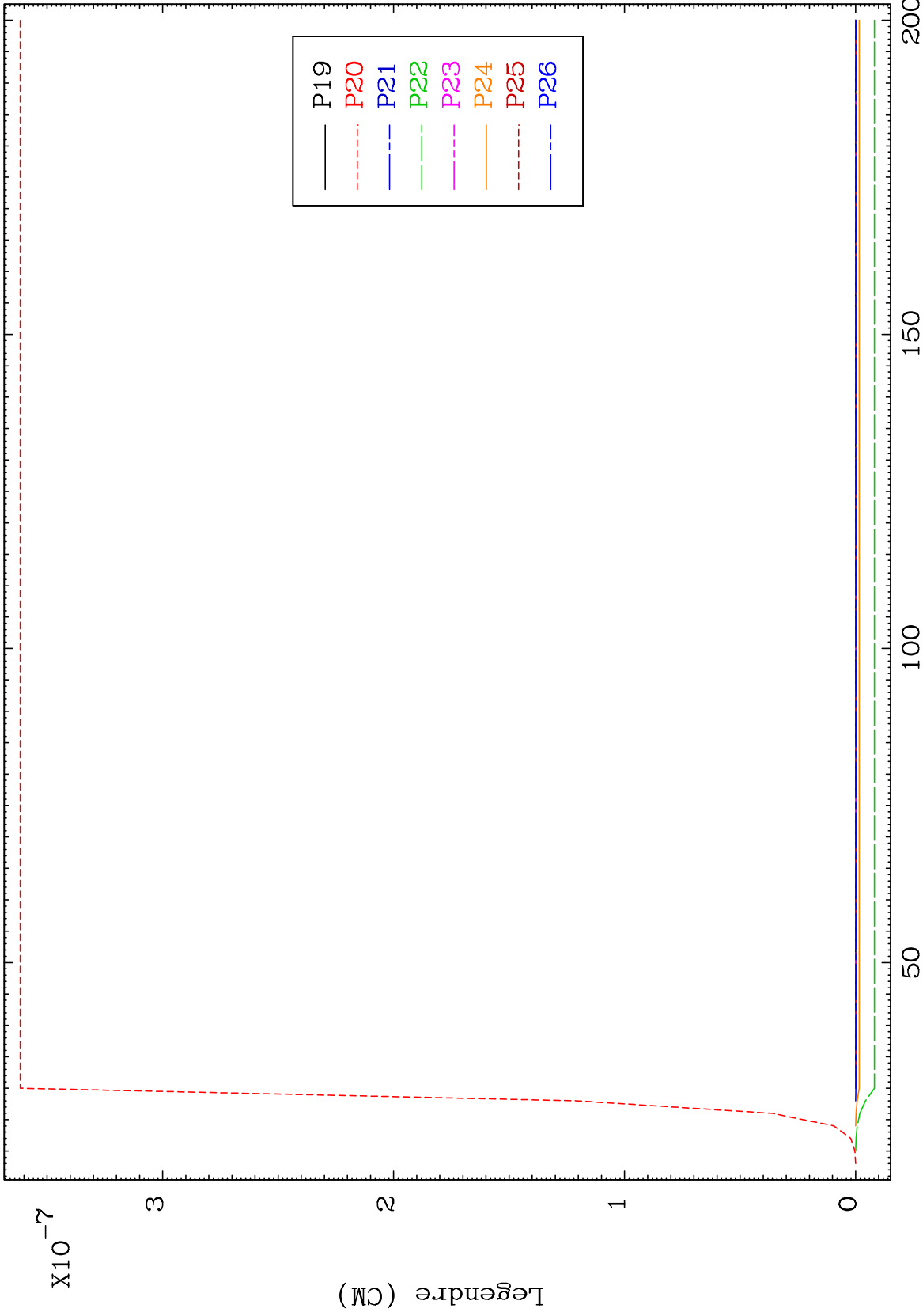
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-141



71

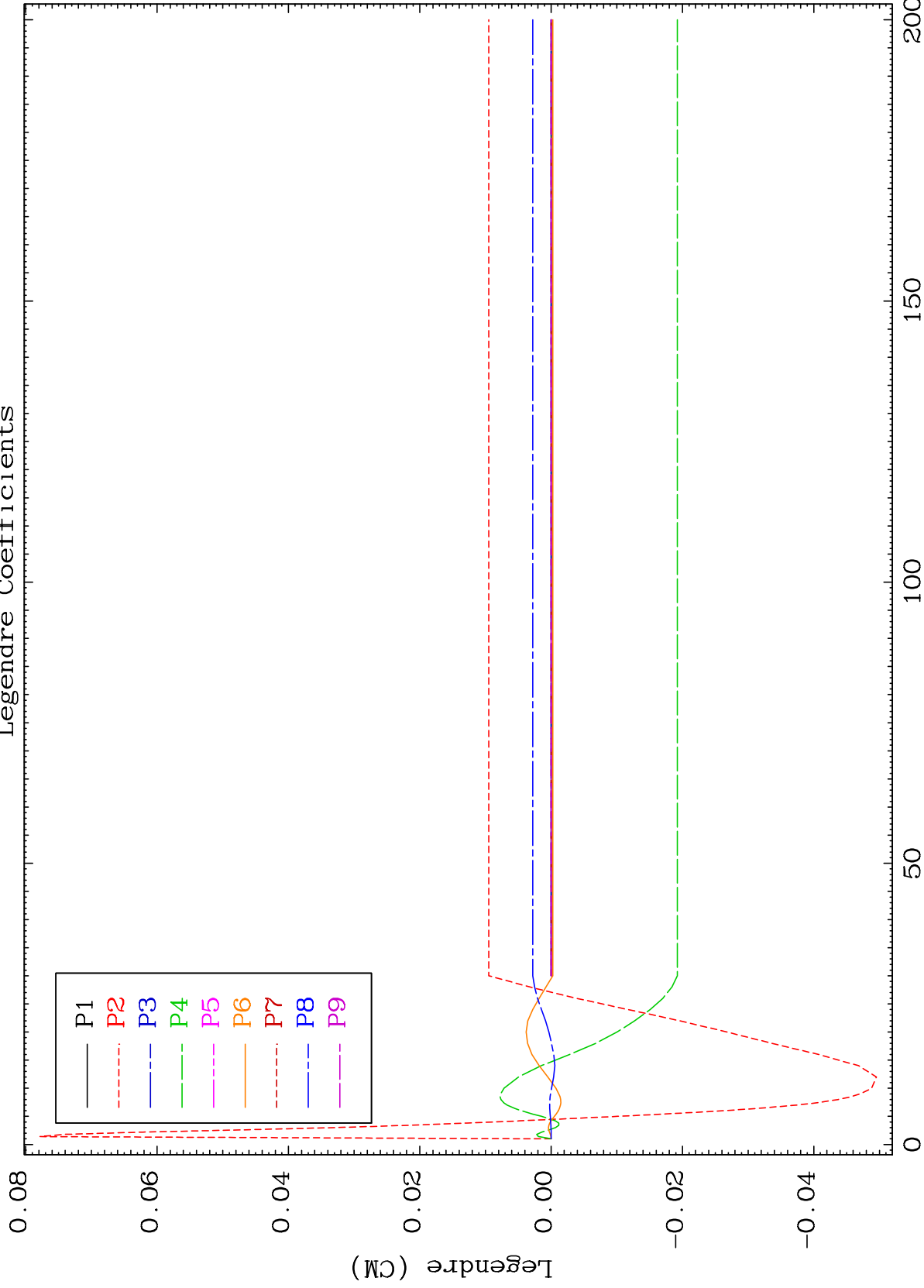
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-141



72

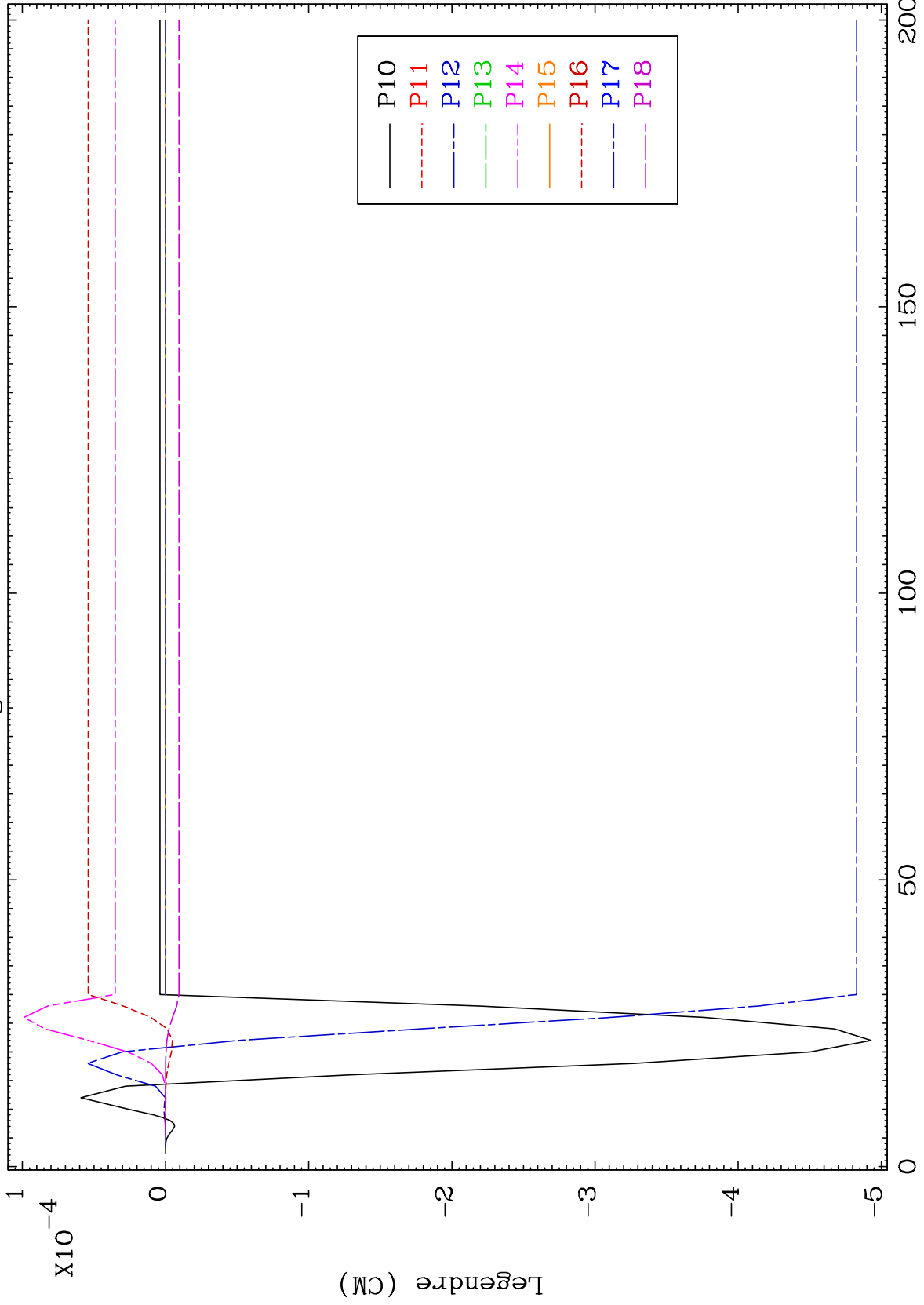
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-141

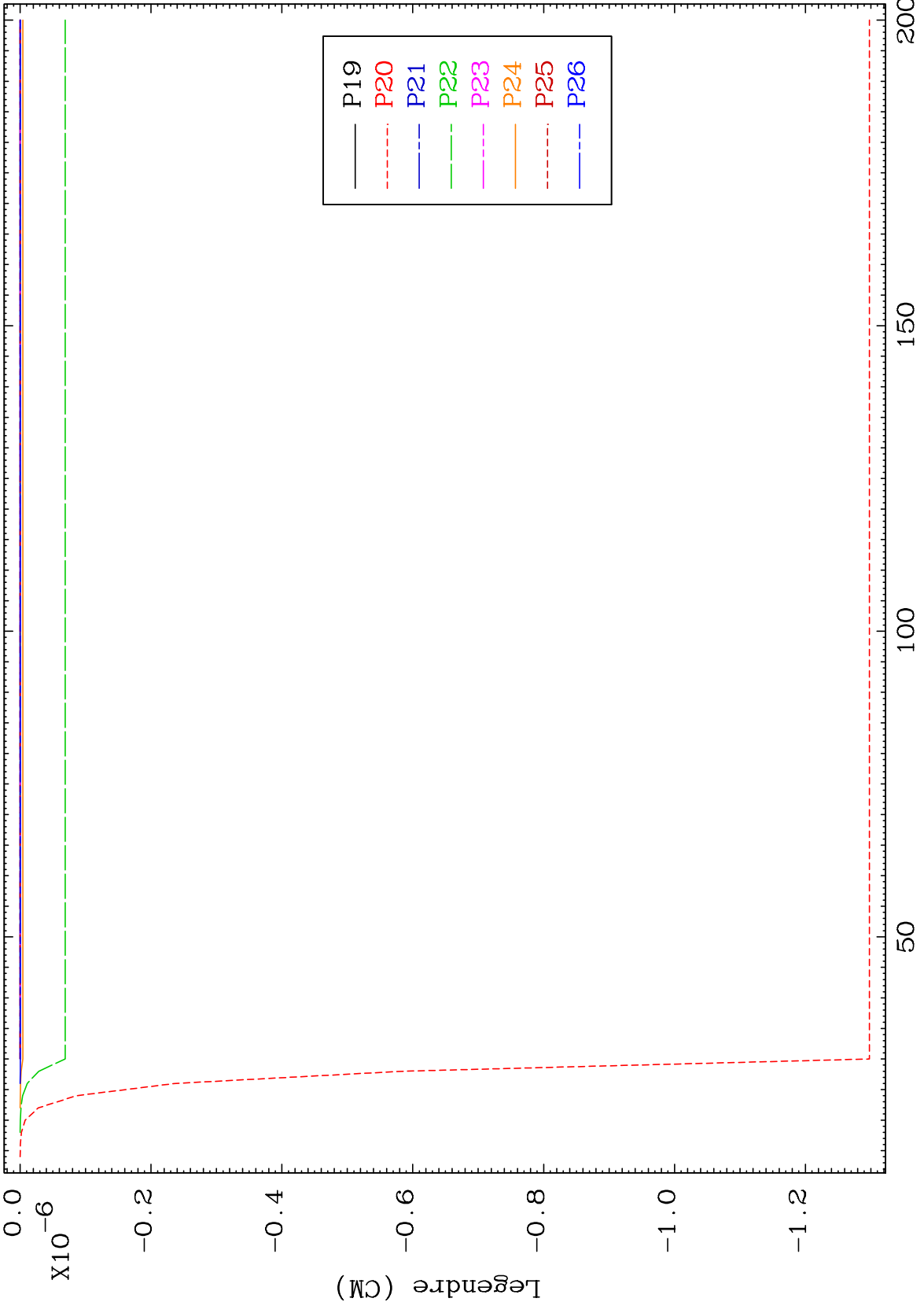


73

Incident Energy (MeV)

64-Gd-141

MAT 6392 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-141

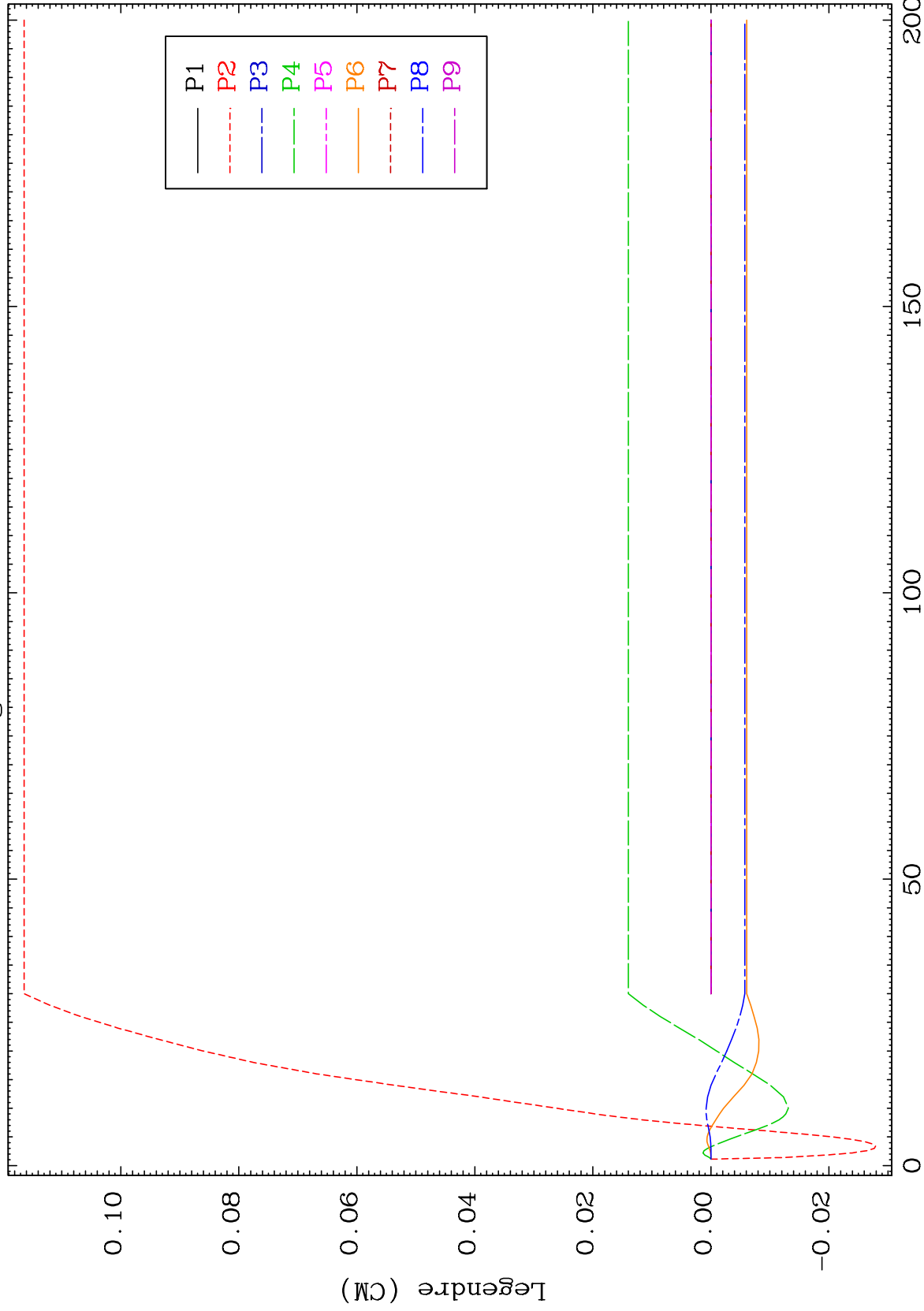


74 64-Gd-141

MAT 6392

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-141



75

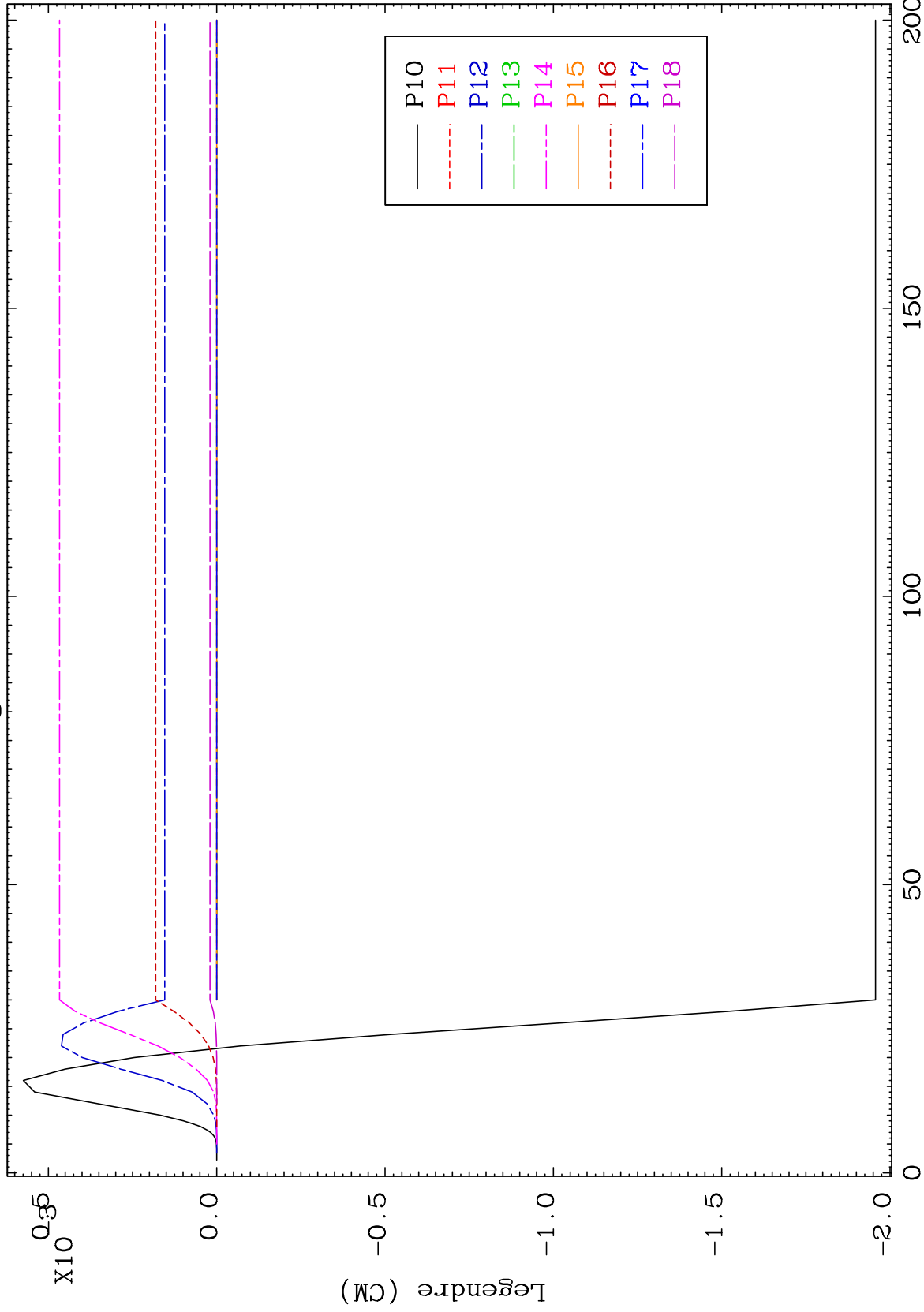
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-141



76

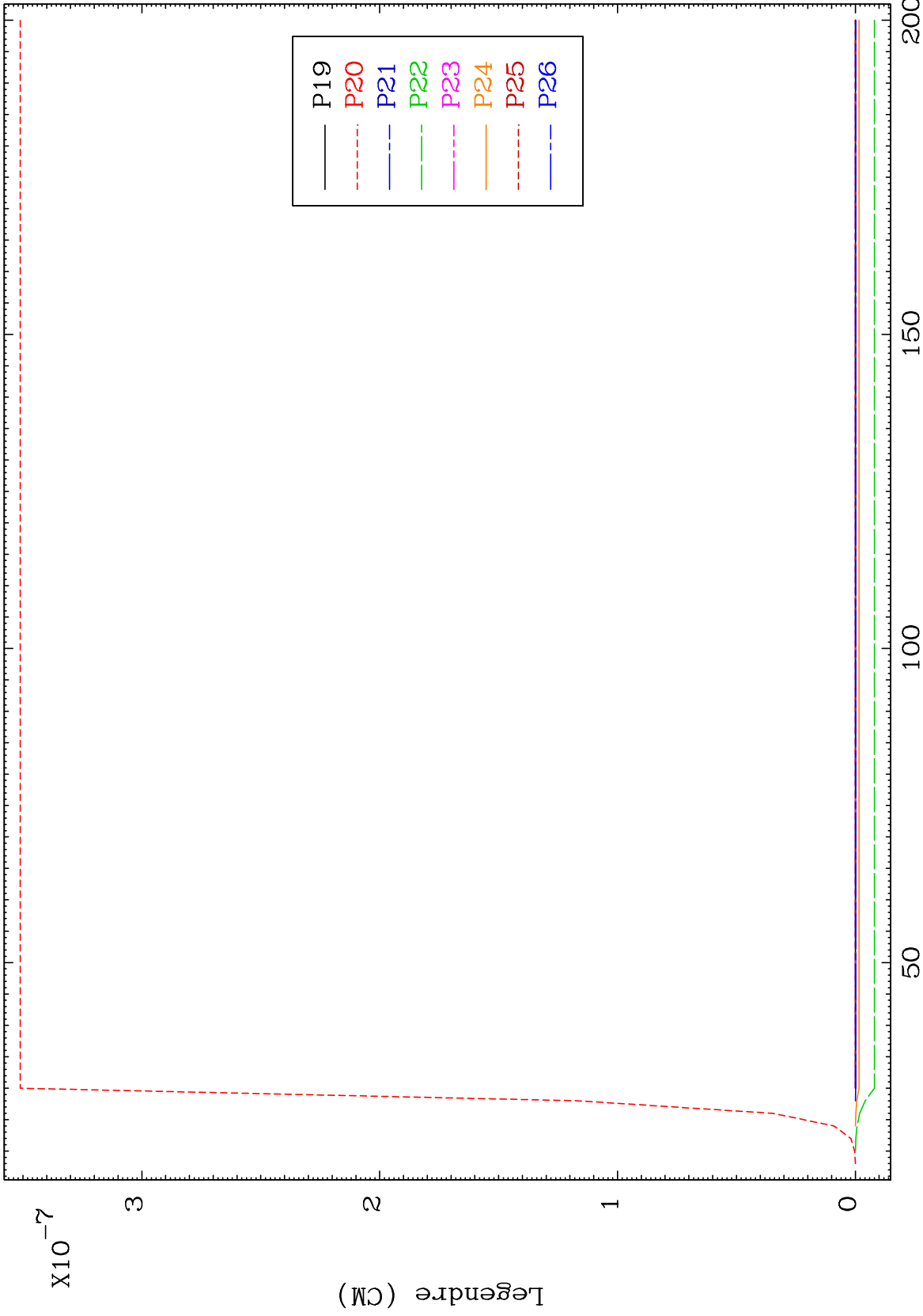
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-141



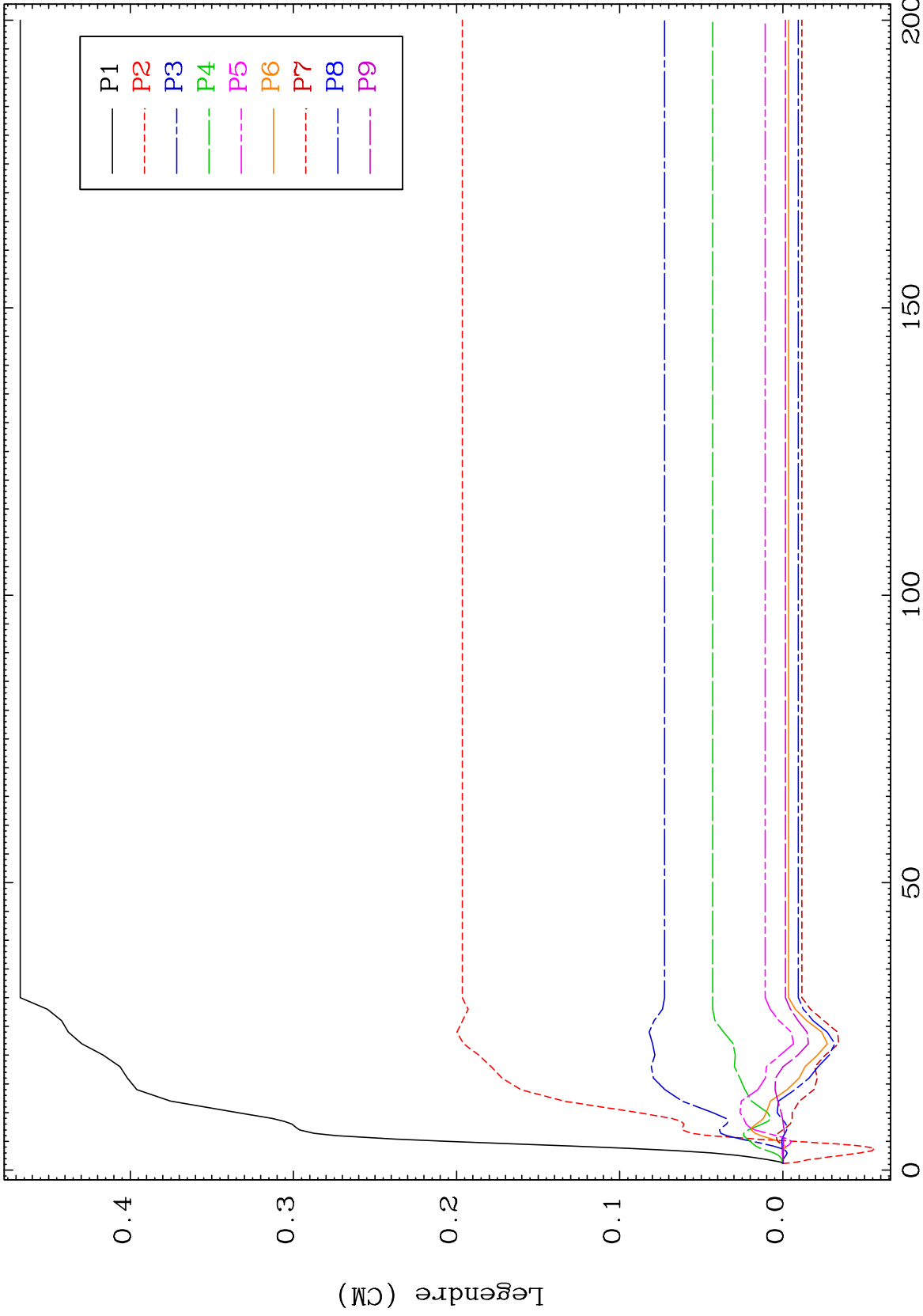
77

64-Gd-141

MAT 6392

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-141



78

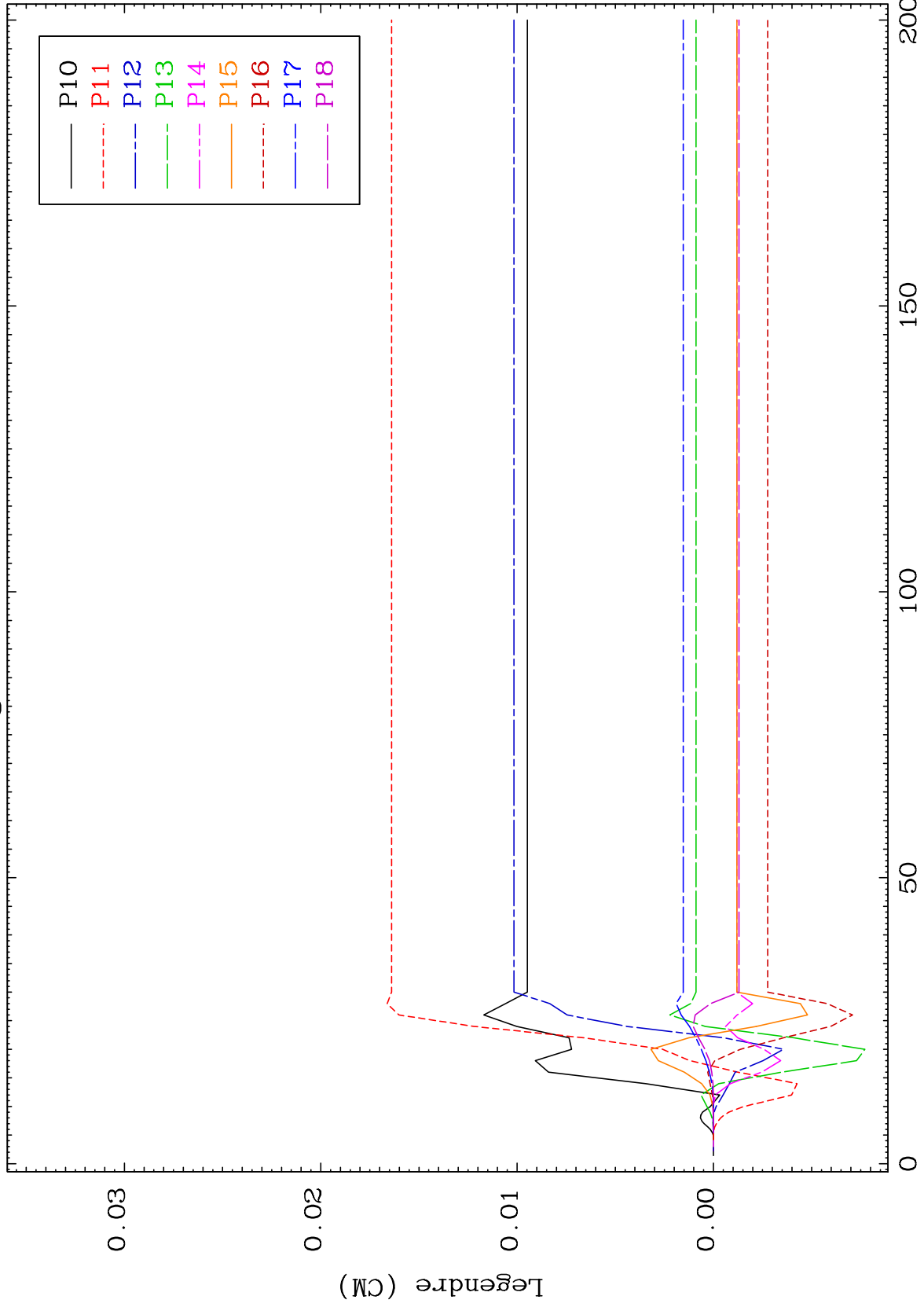
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-141



79

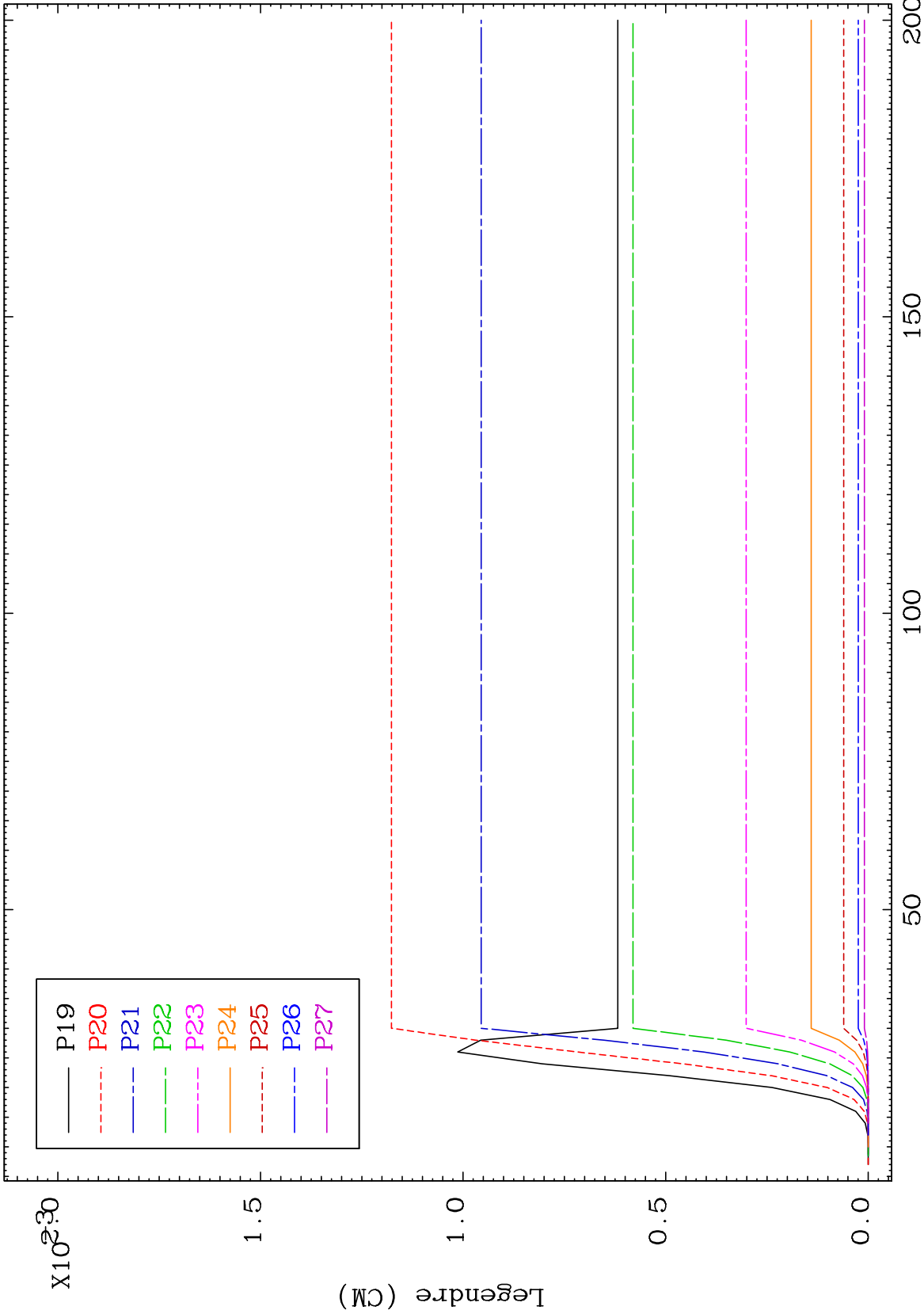
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-141



80

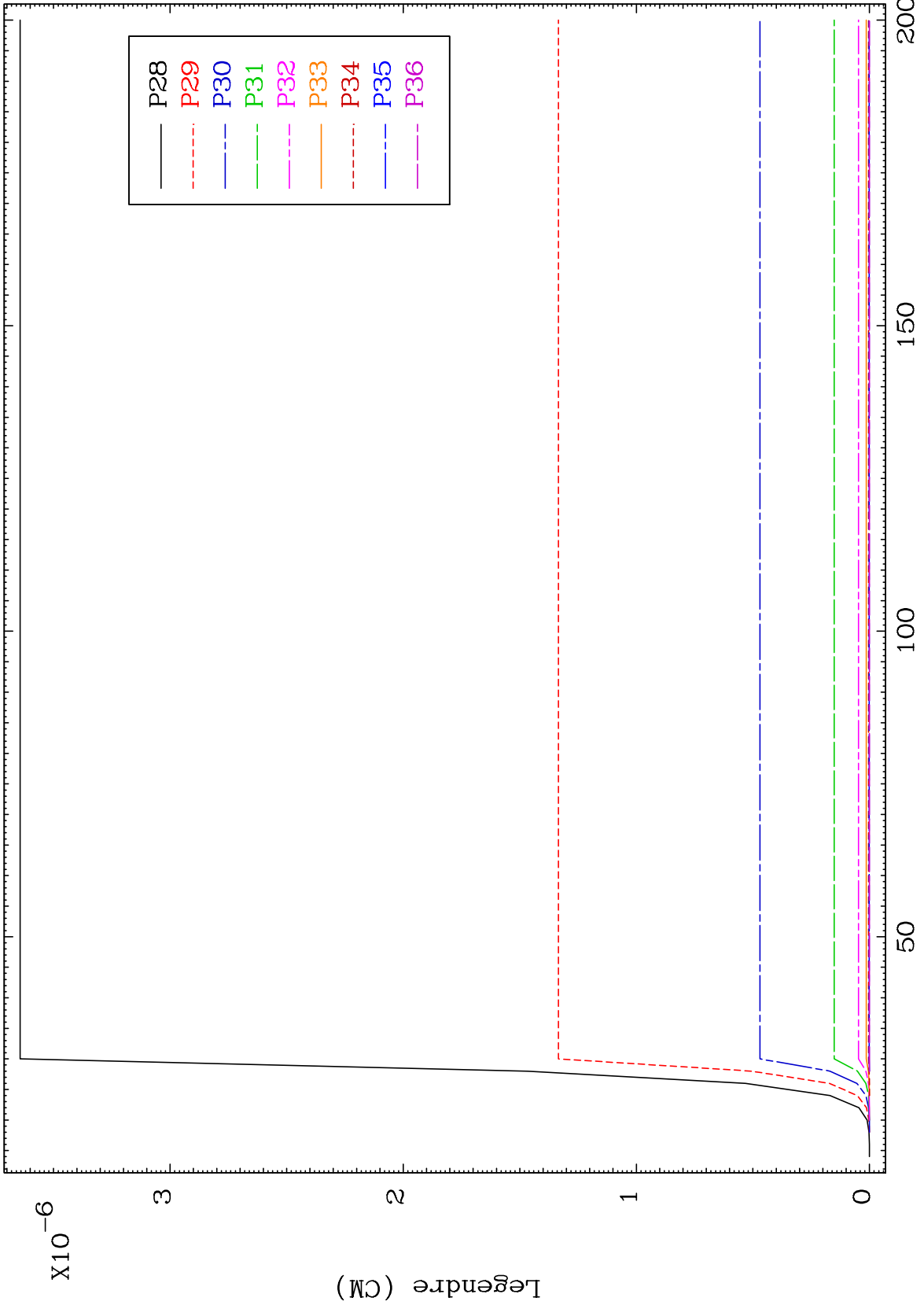
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-141



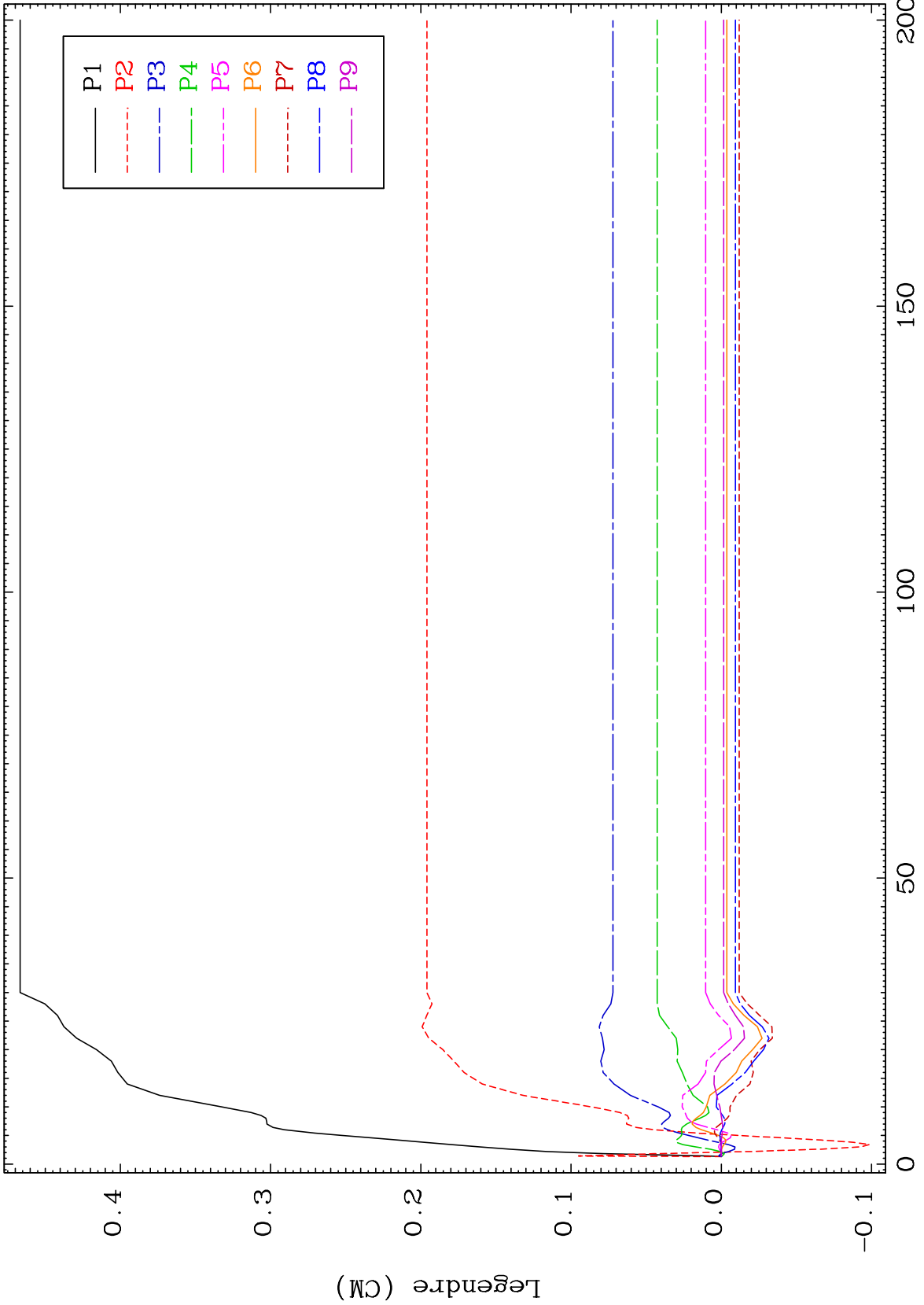
81

64-Gd-141

MAT 6392

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-141



82

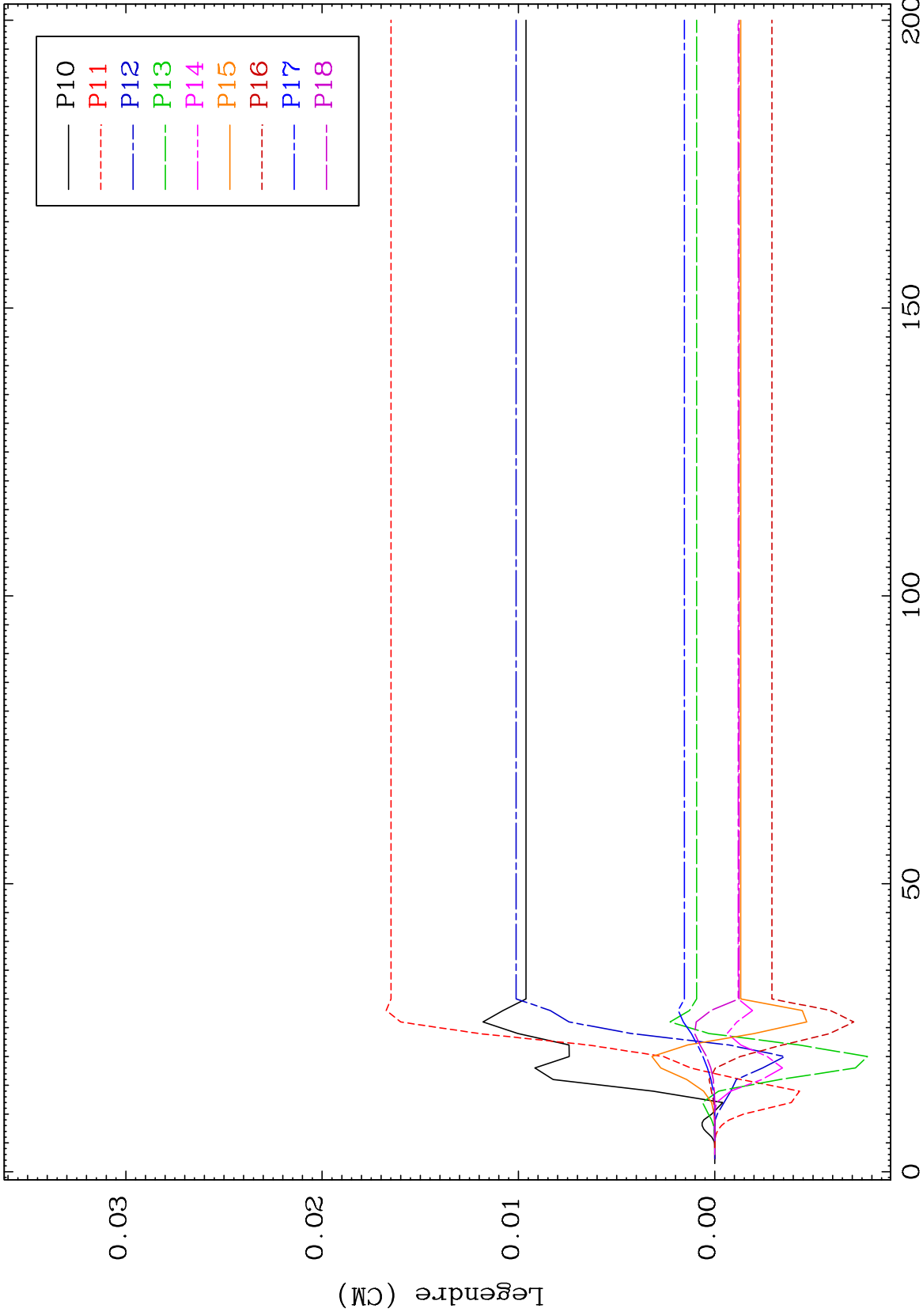
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-141



83

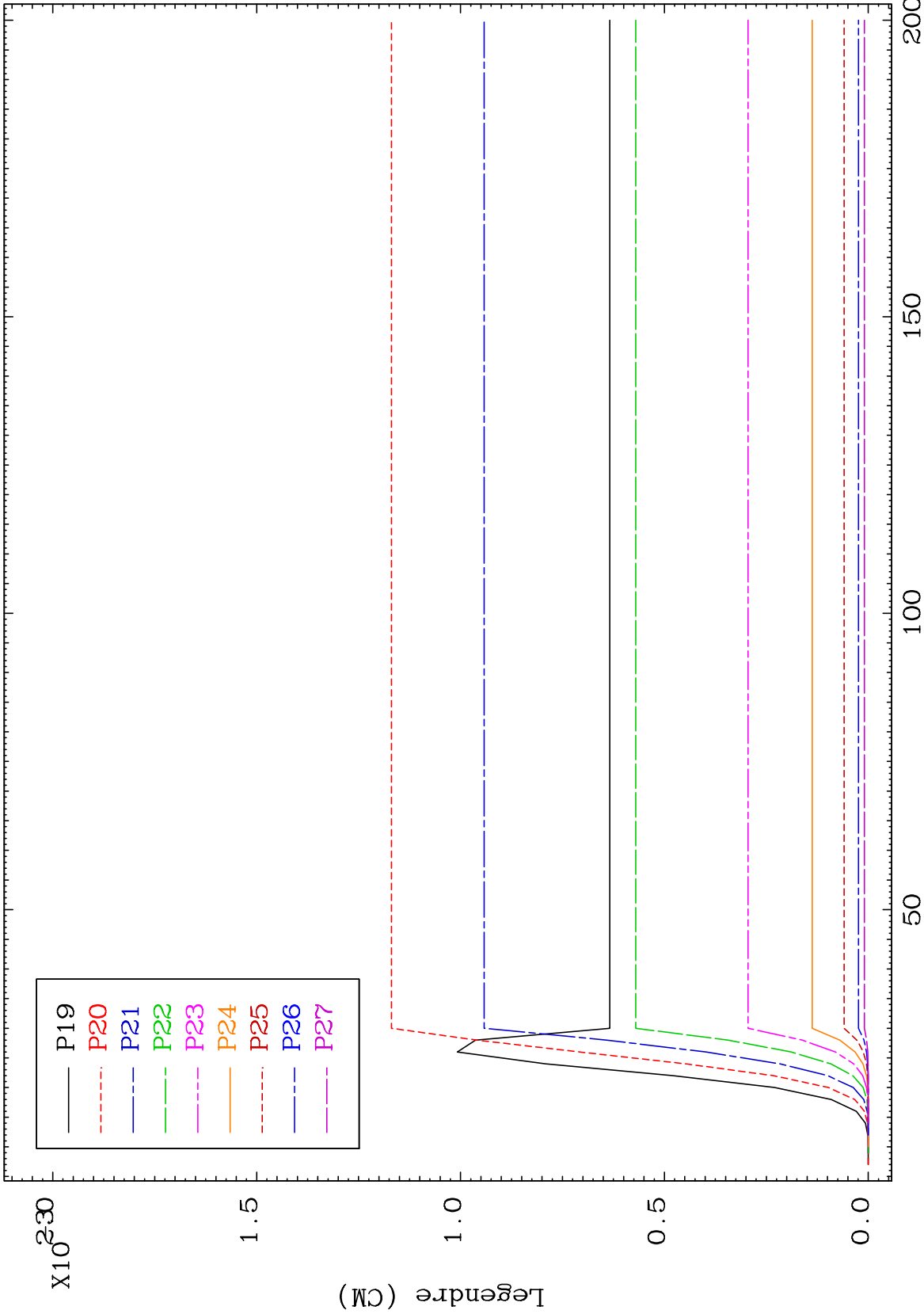
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-141



84

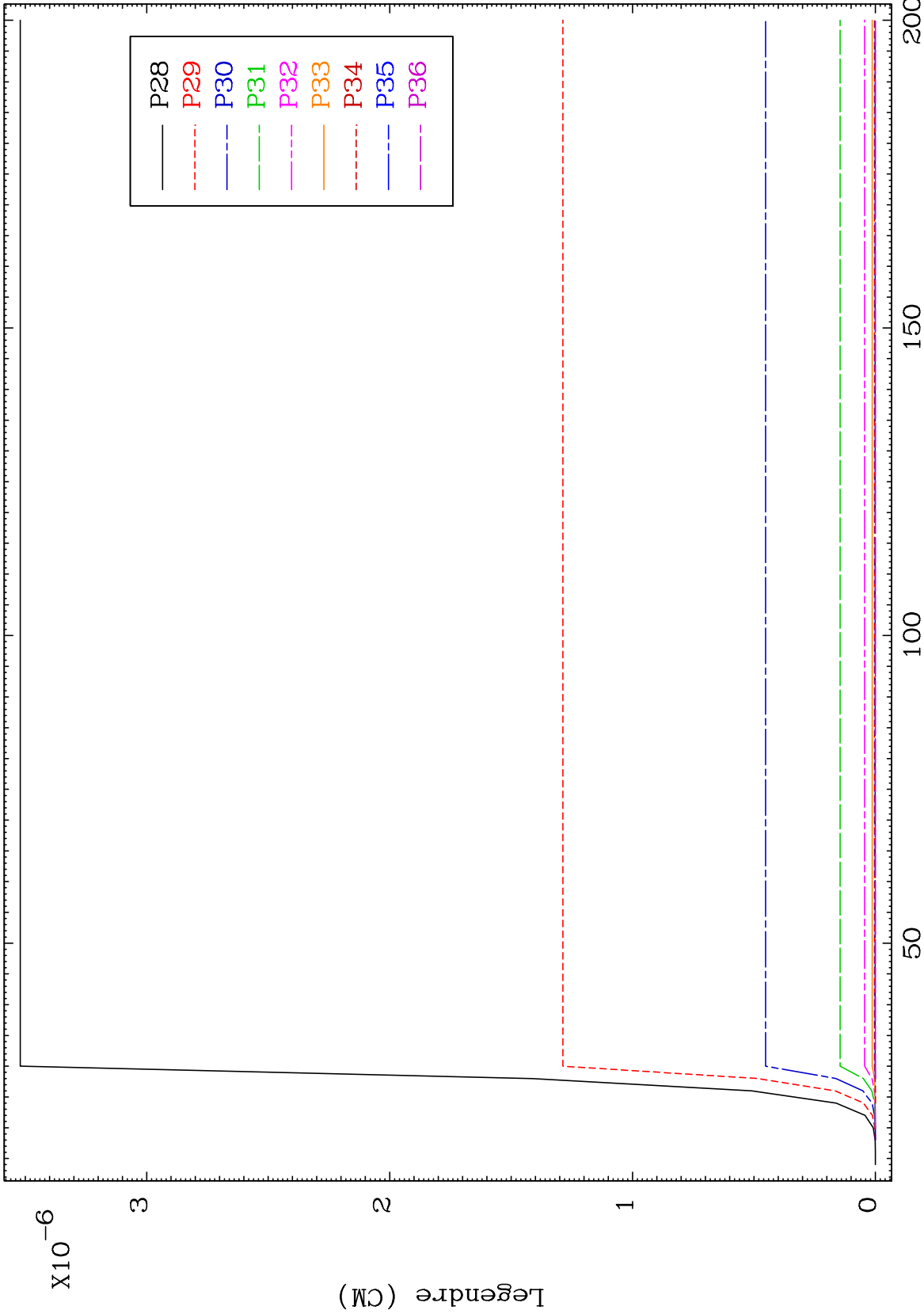
Incident Energy (MeV)

64-Gd-141

MAT 6392

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-141



85

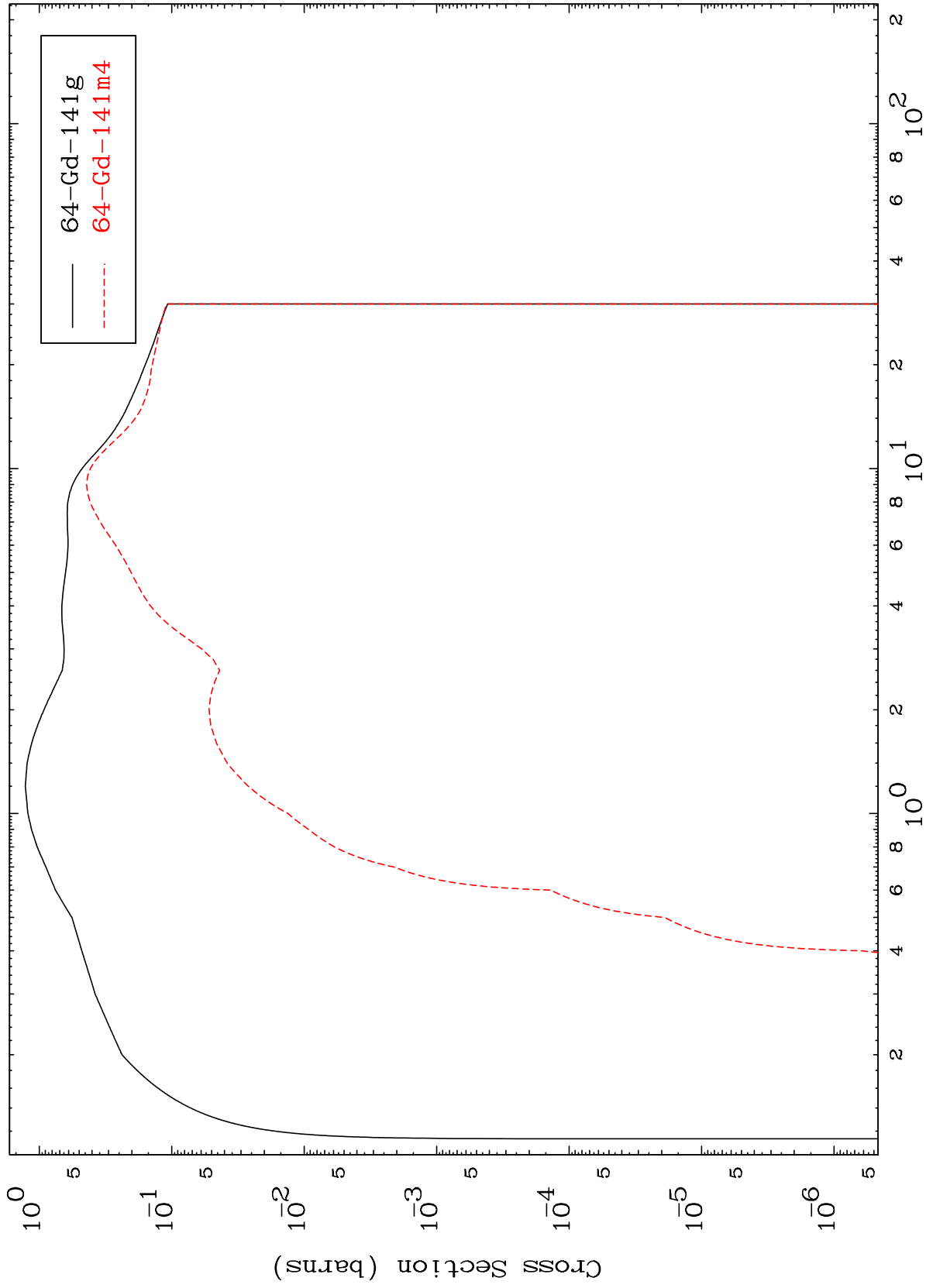
Incident Energy (MeV)

64-Gd-141

MAT 6392

64-Gd-141

Inelastic Radionuclide Production Cross Section



86

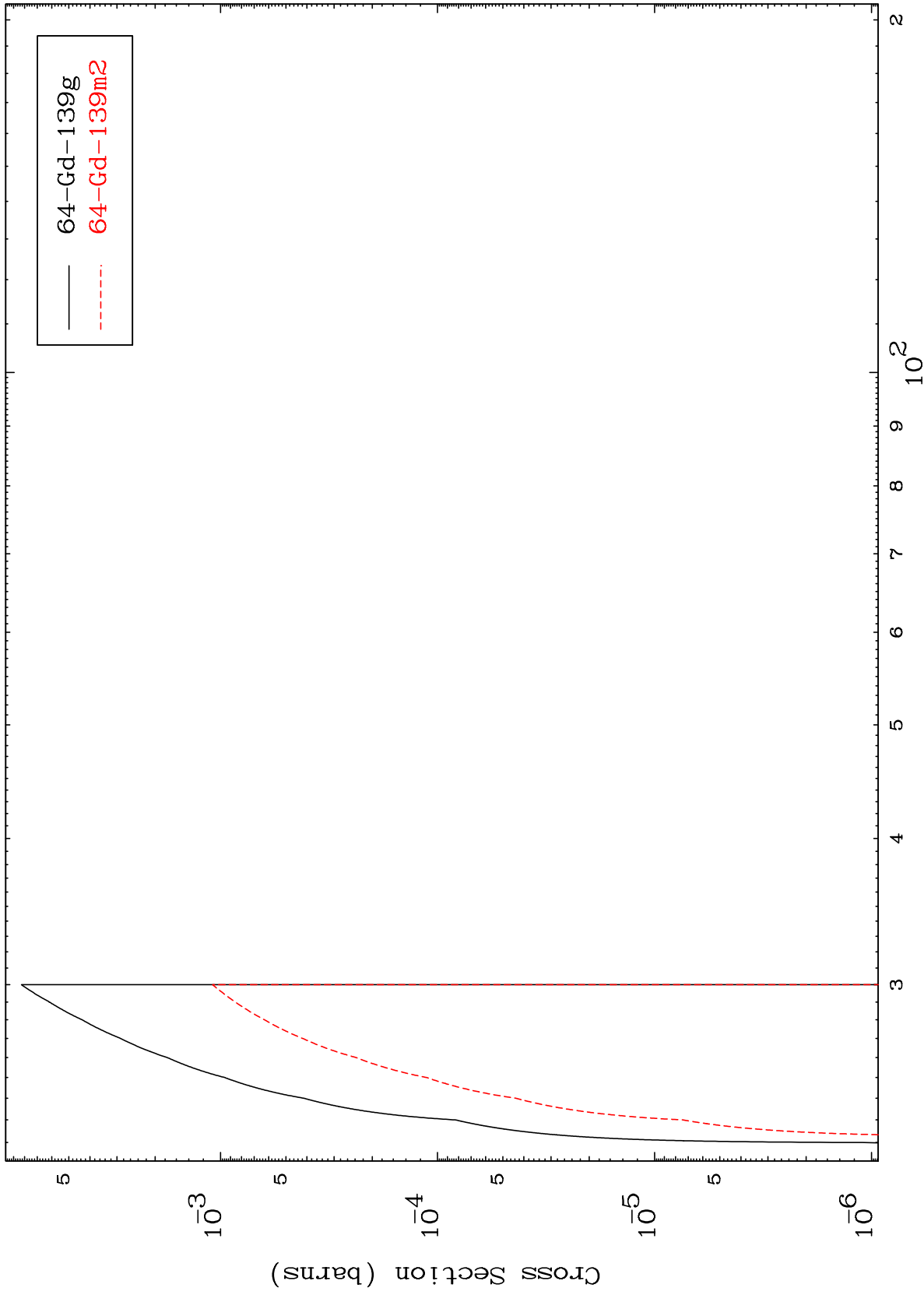
64-Gd-141

Incident Energy (MeV)

MAT 6392

64-Gd-141

(n,3n)
Radionuclide Production Cross Section



87

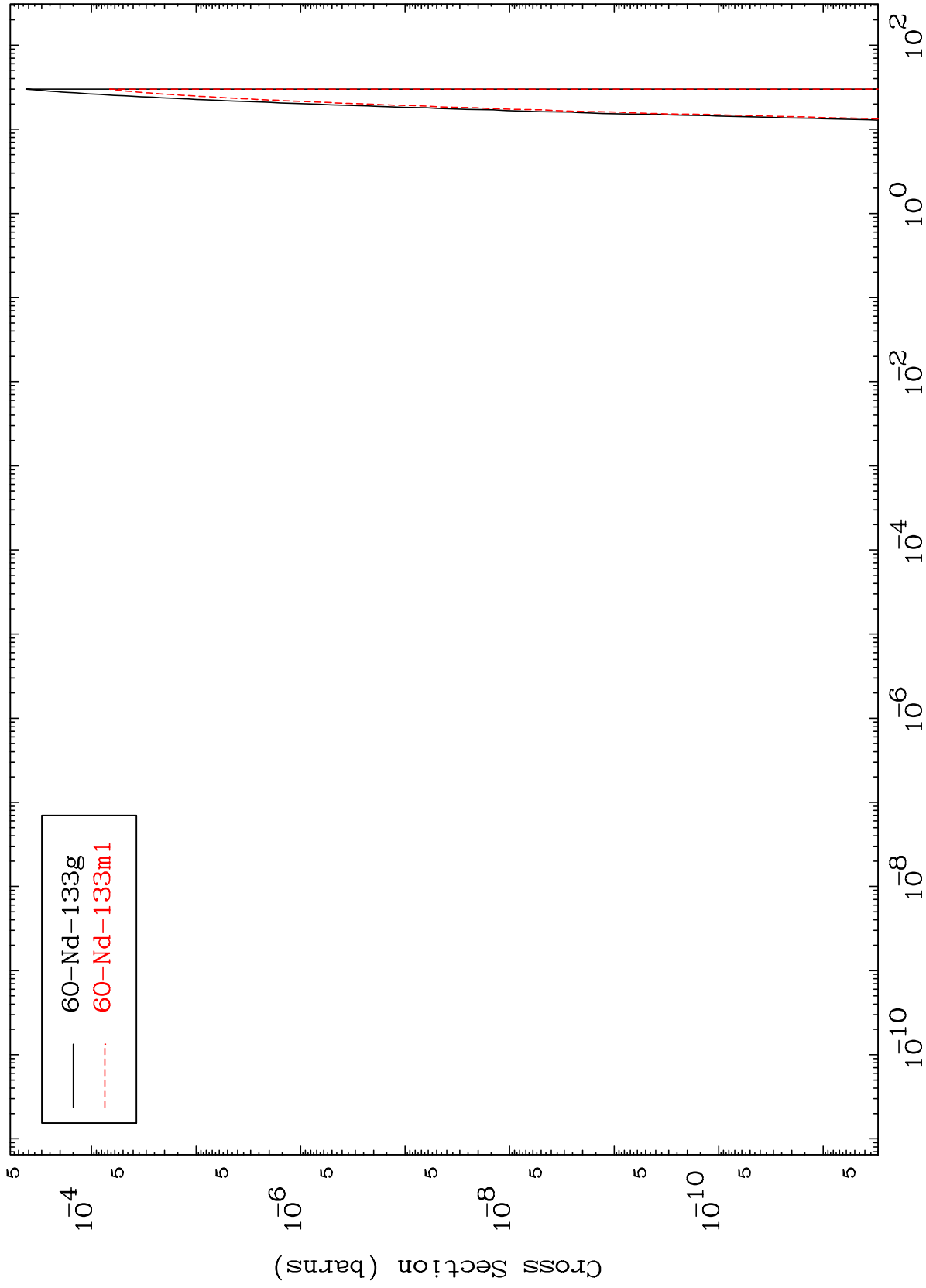
64-Gd-141

MAT 6392

(n,n') 2 α

64-Gd-141

Radionuclide Production Cross Section



88

Incident Energy (MeV)

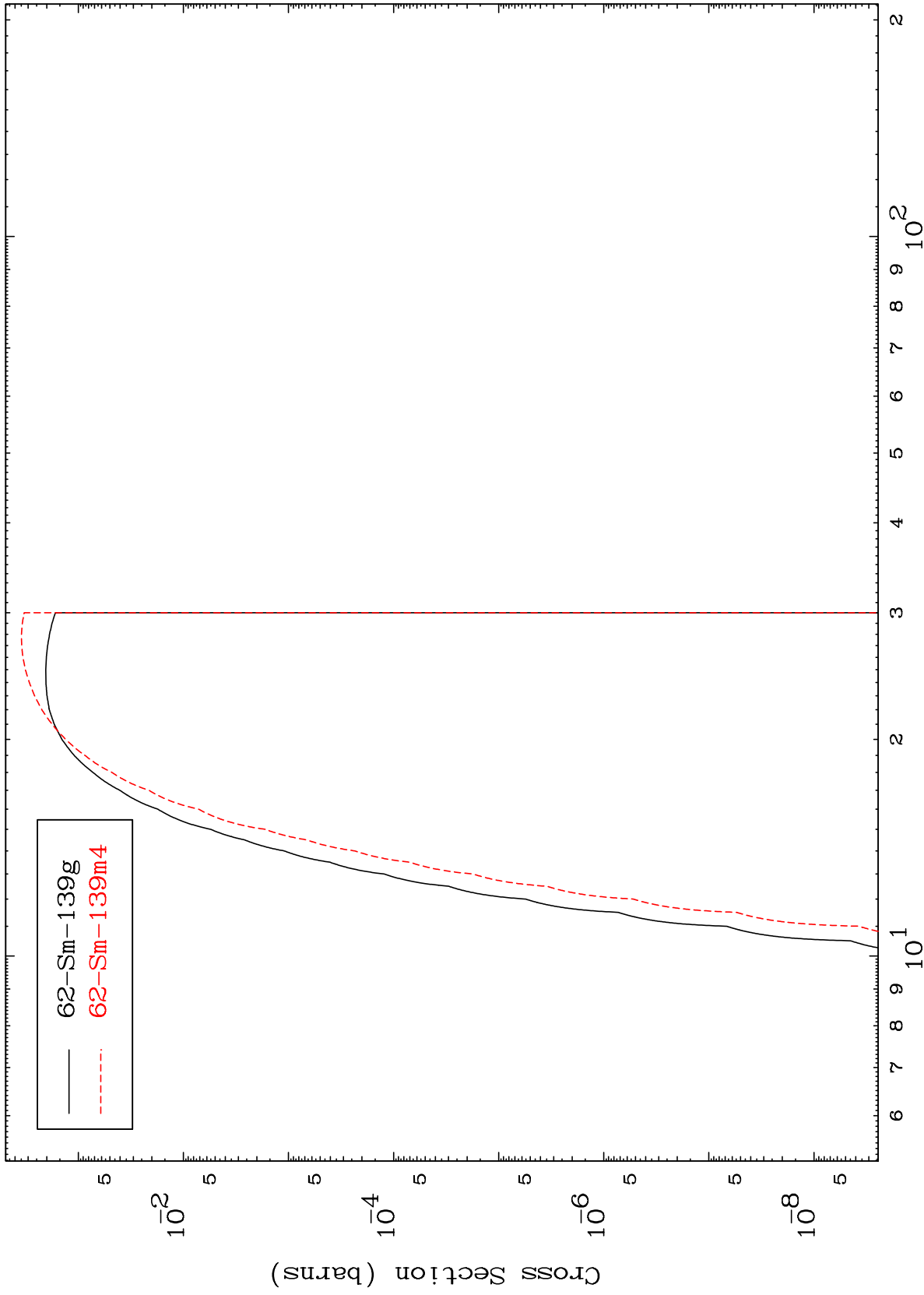
64-Gd-141

MAT 6392

(n,2n) p

64-Gd-141

Radionuclide Production Cross Section



89

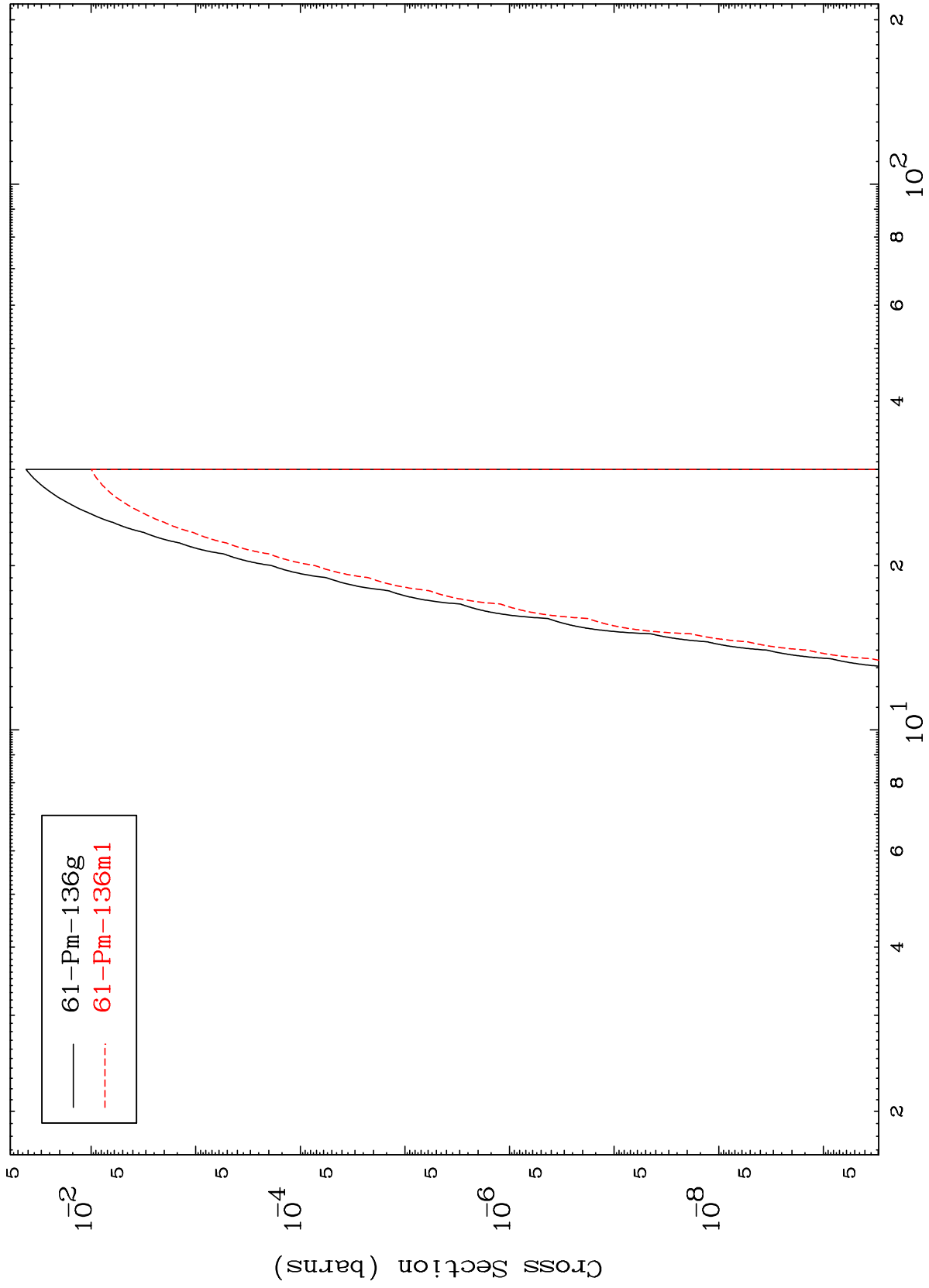
Incident Energy (MeV)

64-Gd-141

MAT 6392

64-Gd-141

(n,n') p α
Radionuclide Production Cross Section



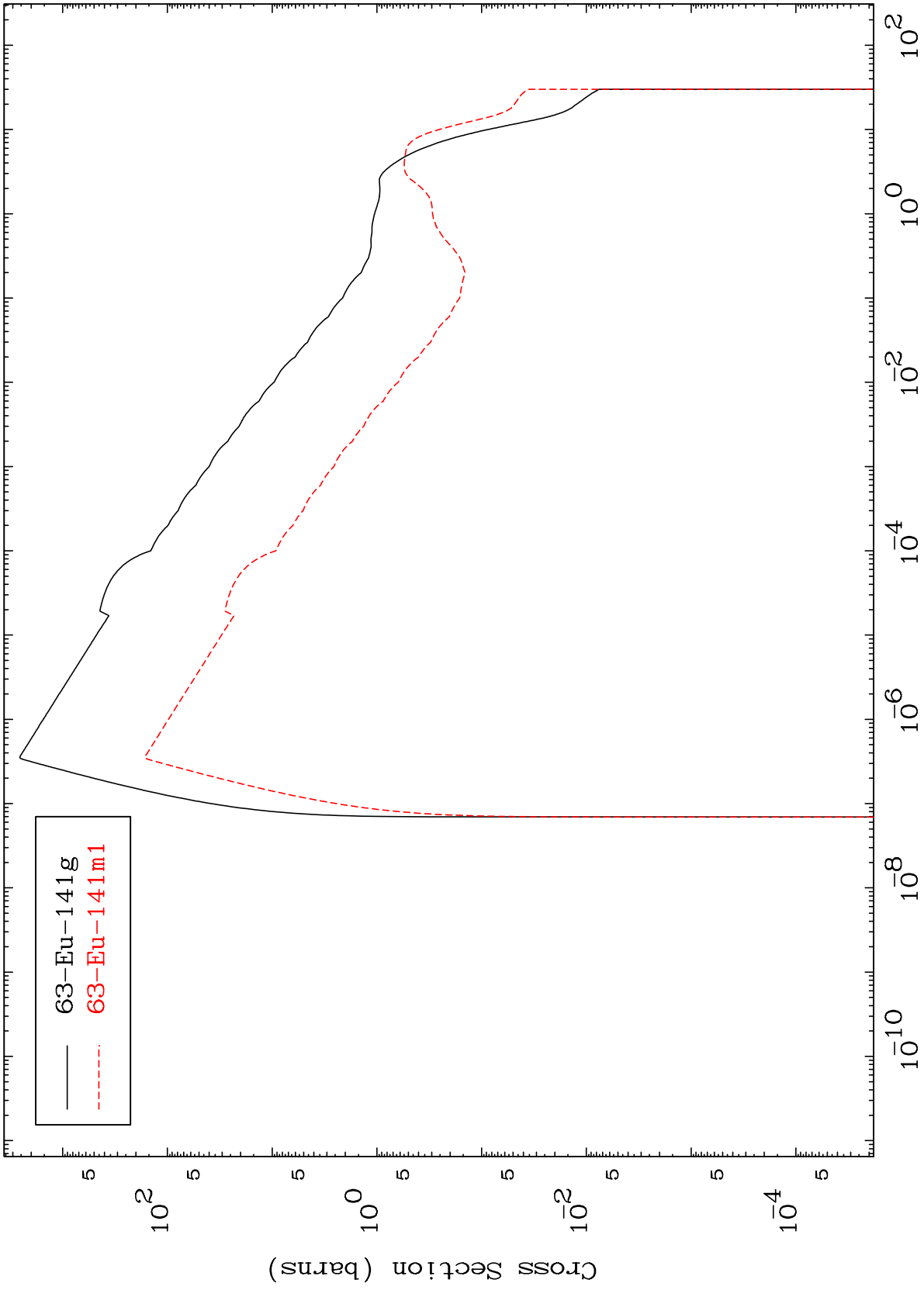
90

64-Gd-141

MAT 6392

Radionuclide Production Cross Section
(n,p)

64-Gd-141



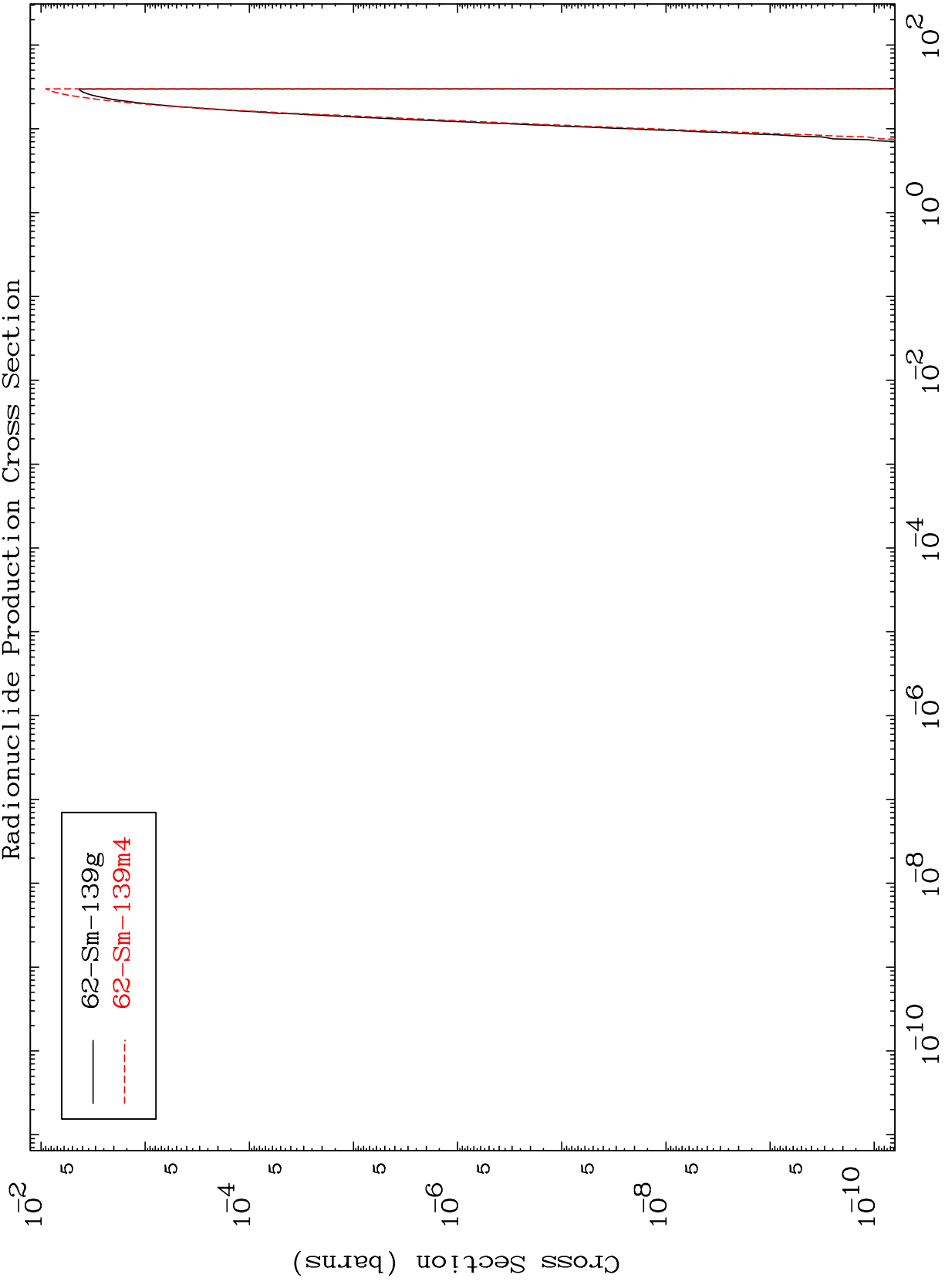
63-Eu-141g
63-Eu-141m1

MAT 6392

(n, He-3)

64-Gd-141

Radionuclide Production Cross Section



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

92

Incident Energy (MeV)

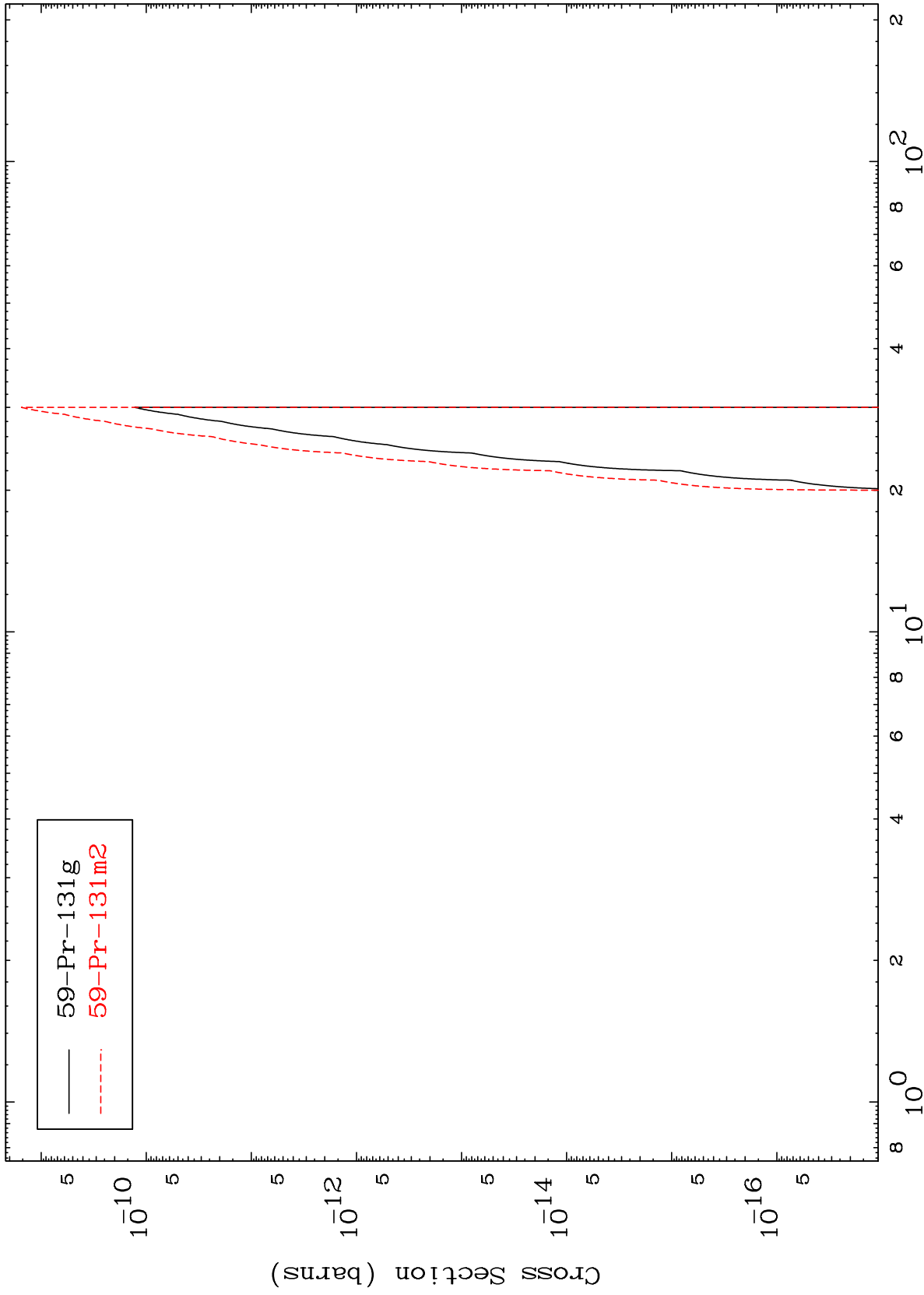
64-Gd-141

MAT 6392

(n, t) 2α

$^{64}\text{Gd}-141$

Radionuclide Production Cross Section



93

Incident Energy (MeV)

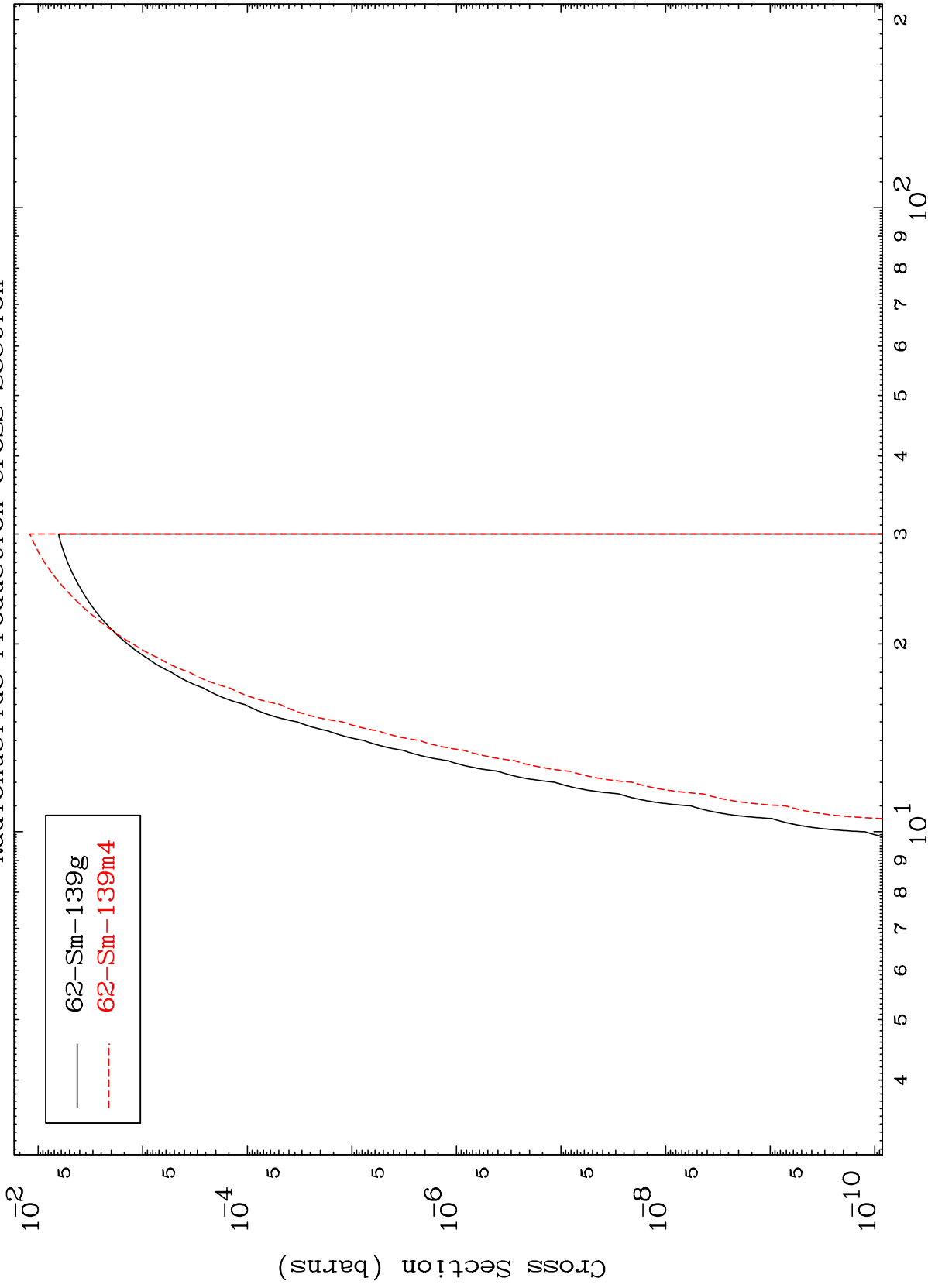
$^{64}\text{Gd}-141$

MAT 6392

(n,p) d

64-Gd-141

Radionuclide Production Cross Section



94

Incident Energy (MeV)

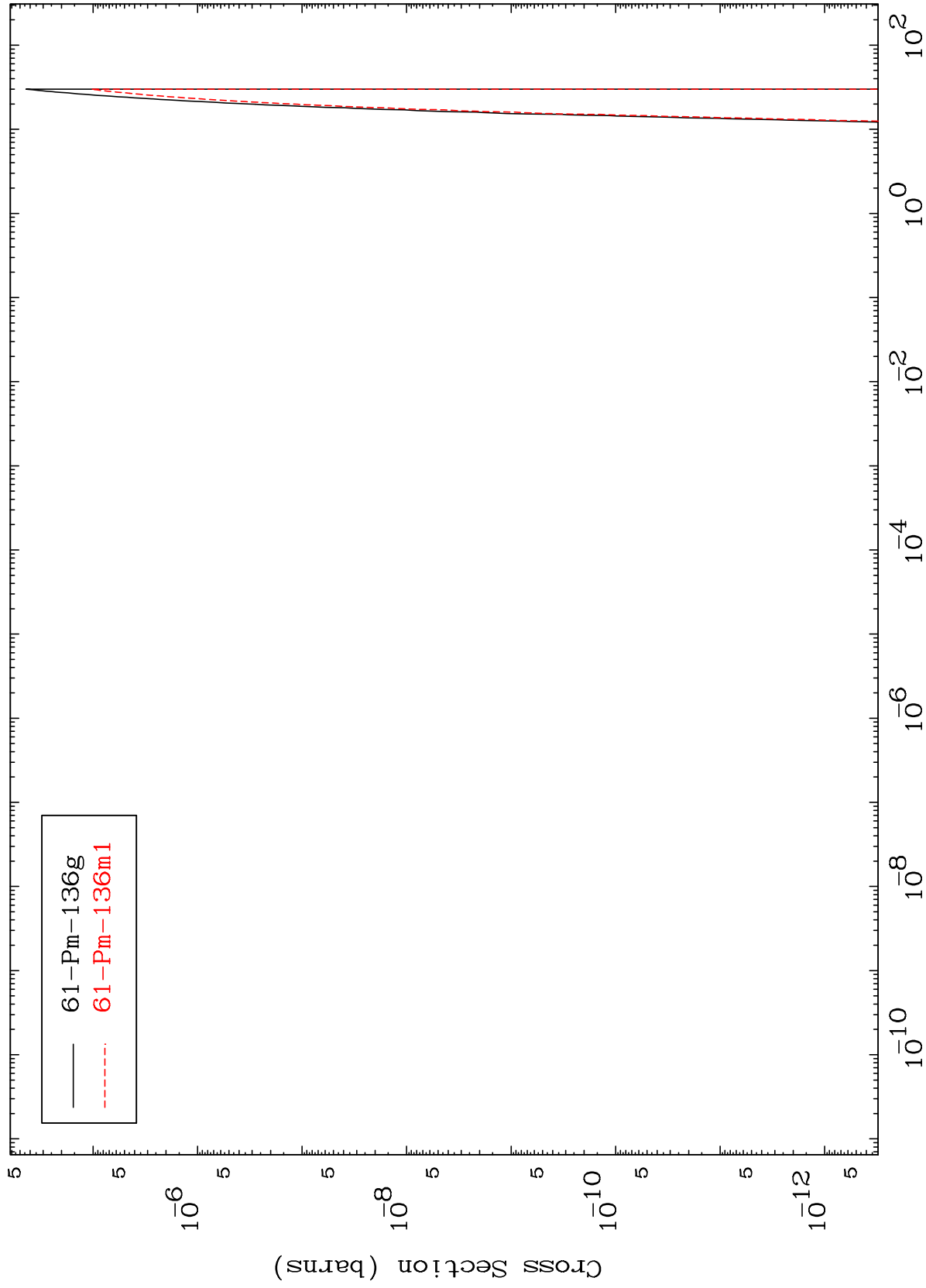
64-Gd-141

MAT 6392

(n,d) α

64-Gd-141

Radionuclide Production Cross Section



95

Incident Energy (MeV)

64-Gd-141