

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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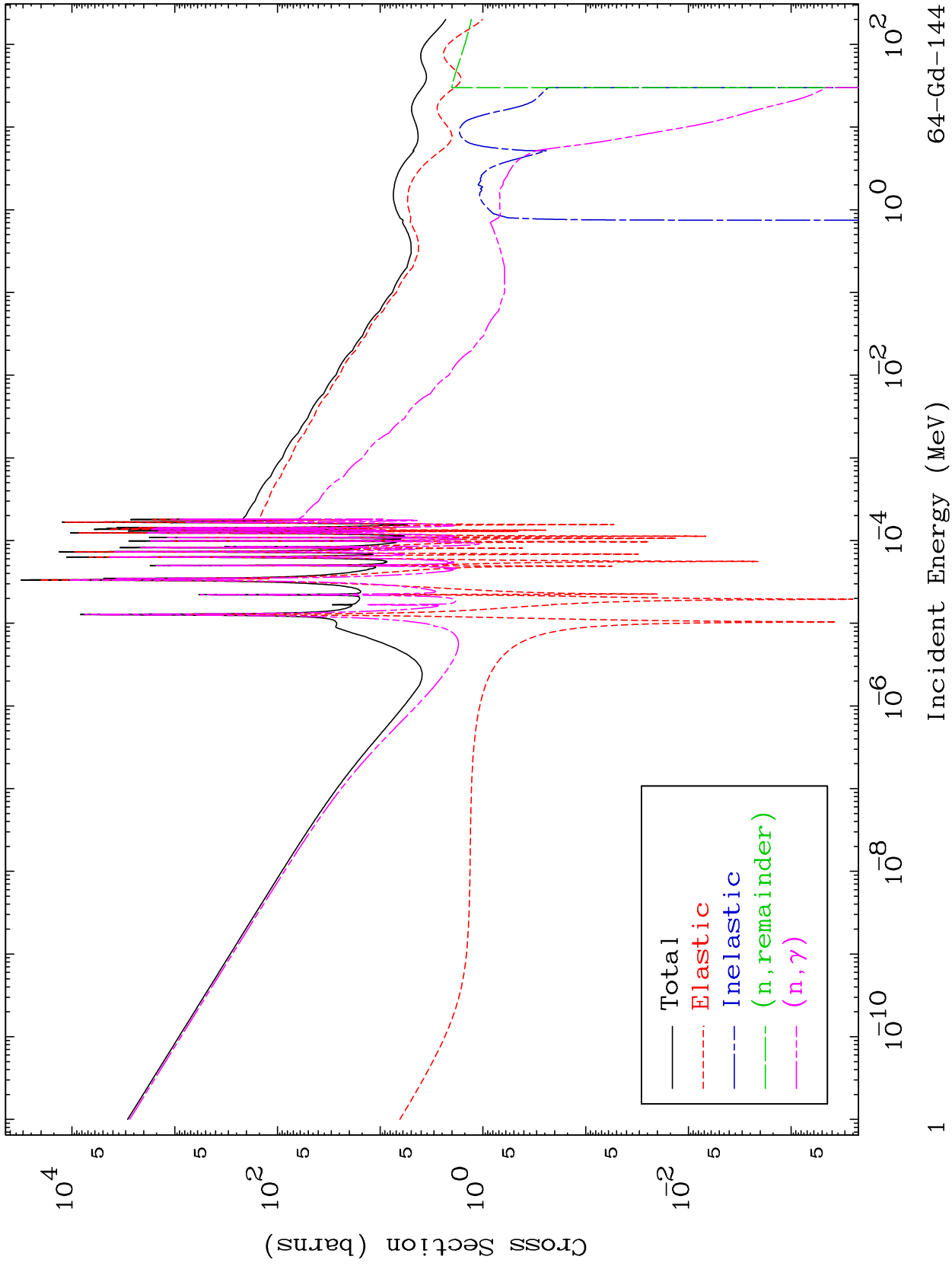
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6401

Major
293 Kelvin Cross Sections

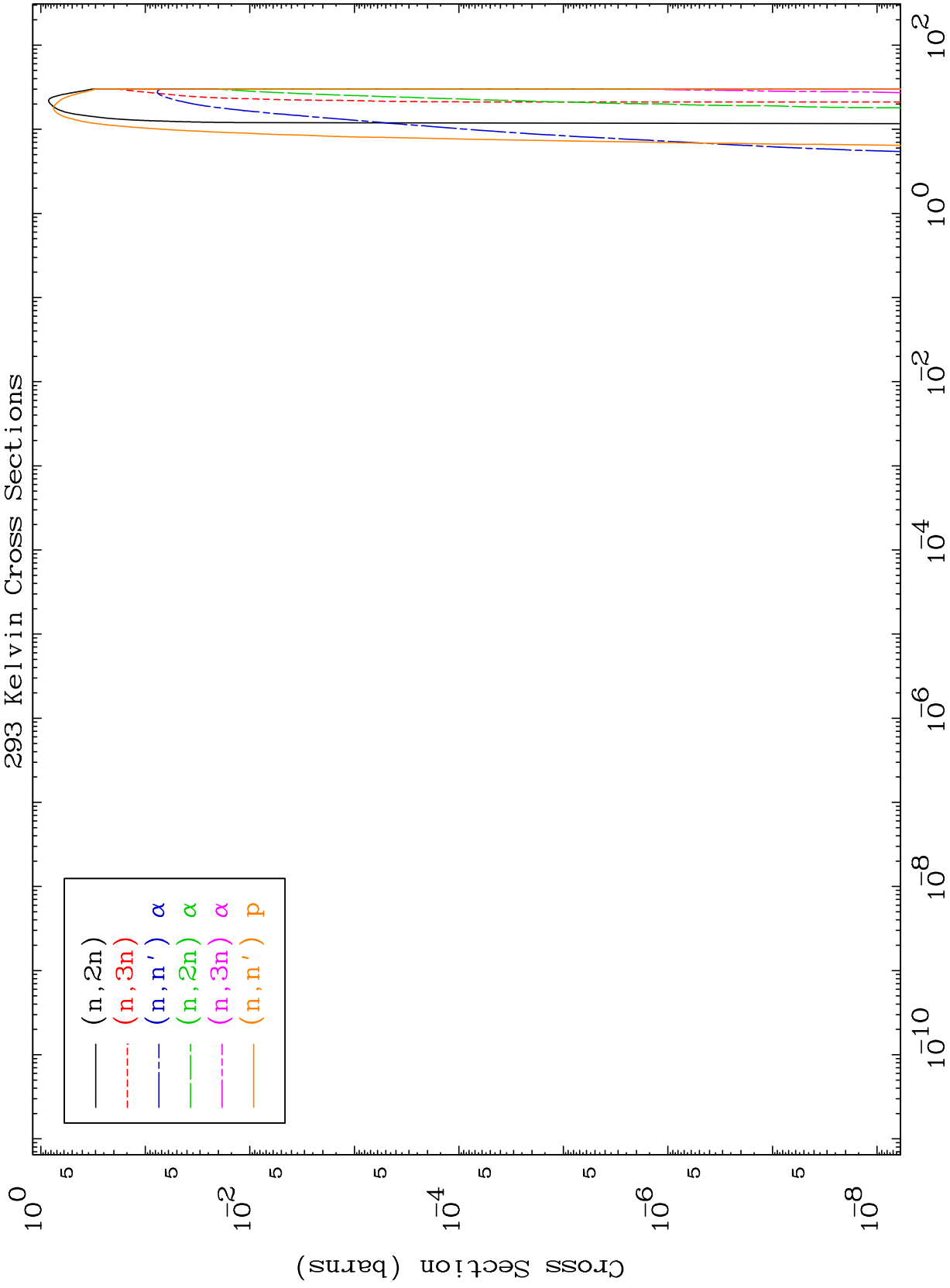
64-Gd-144



MAT 6401

Neutron Production
293 Kelvin Cross Sections

64-Gd-144



2

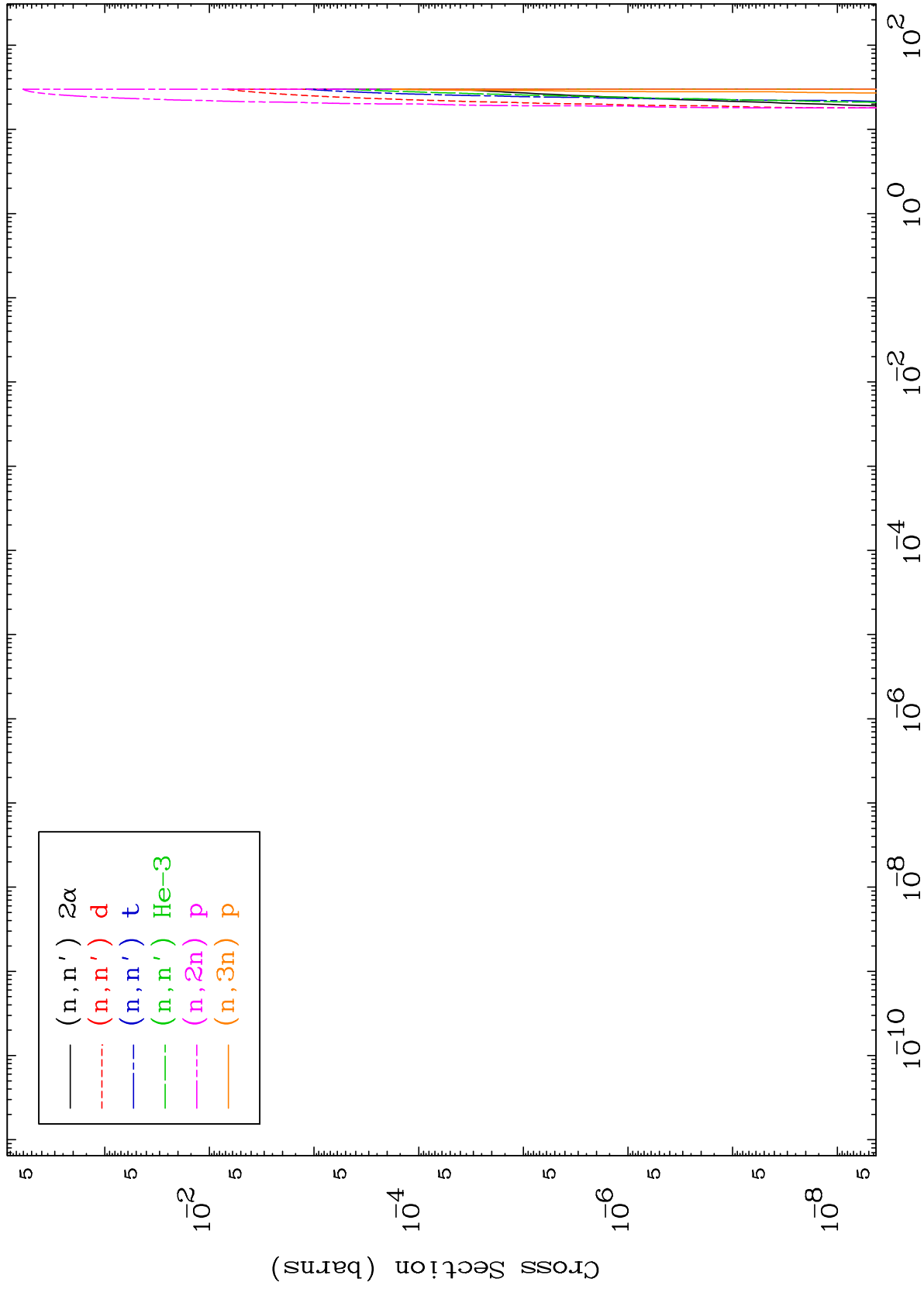
Incident Energy (MeV)

64-Gd-144

MAT 6401

Neutron Production
293 Kelvin Cross Sections

64-Gd-144

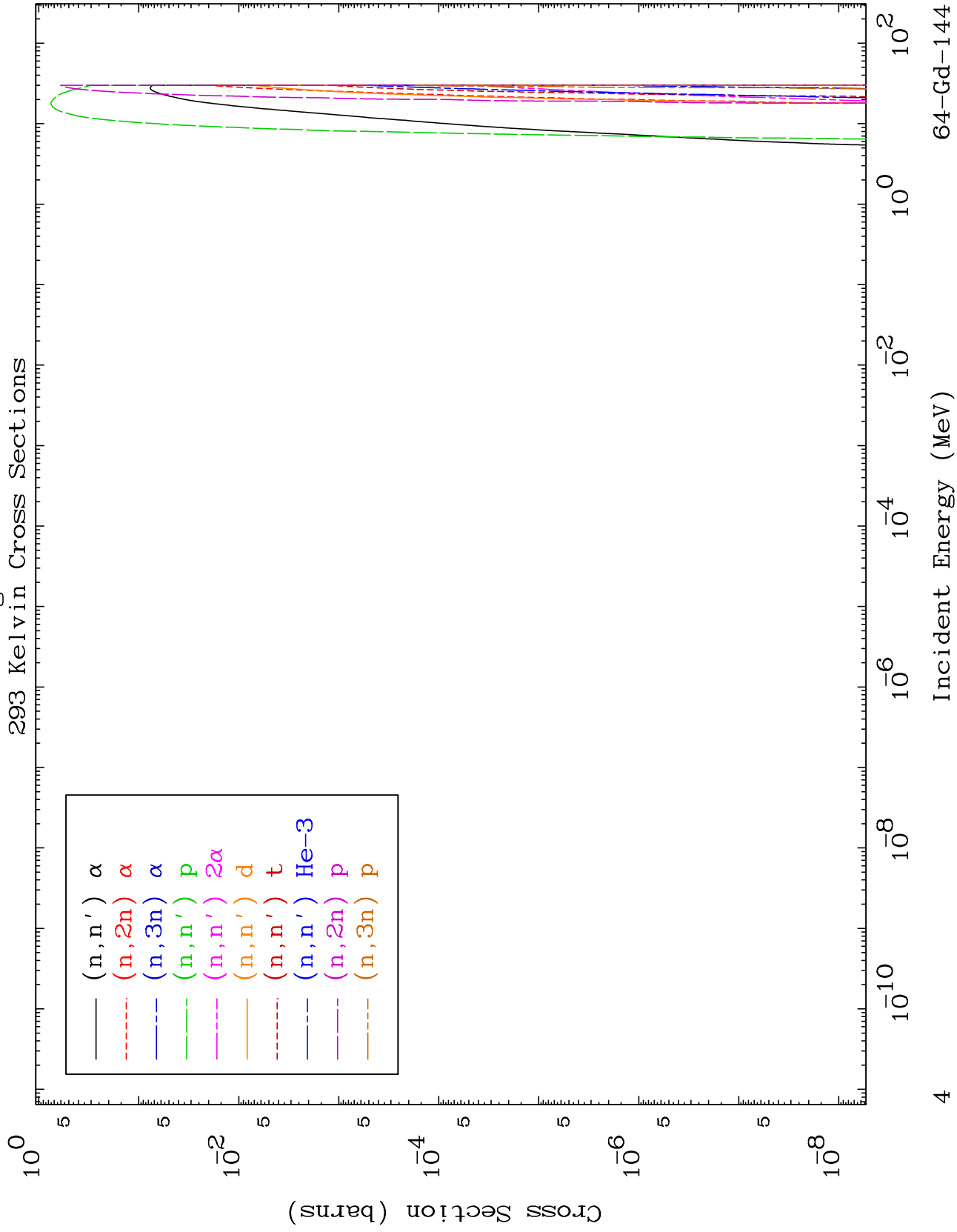


64-Gd-144

MAT 6401

293 Kelvin Cross Sections

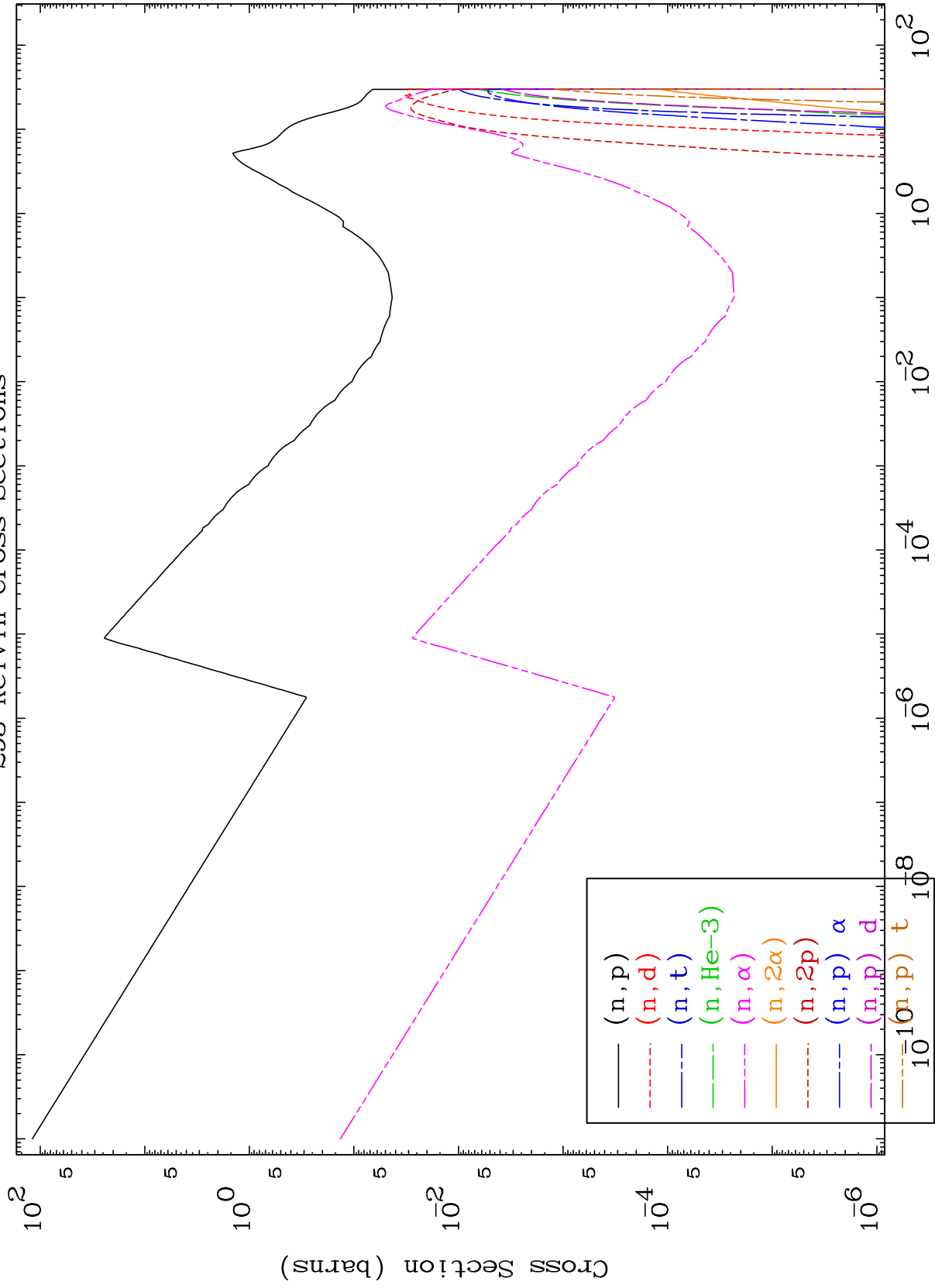
64-Gd-144



MAT 6401

293 Kelvin Cross Sections

64-Gd-144



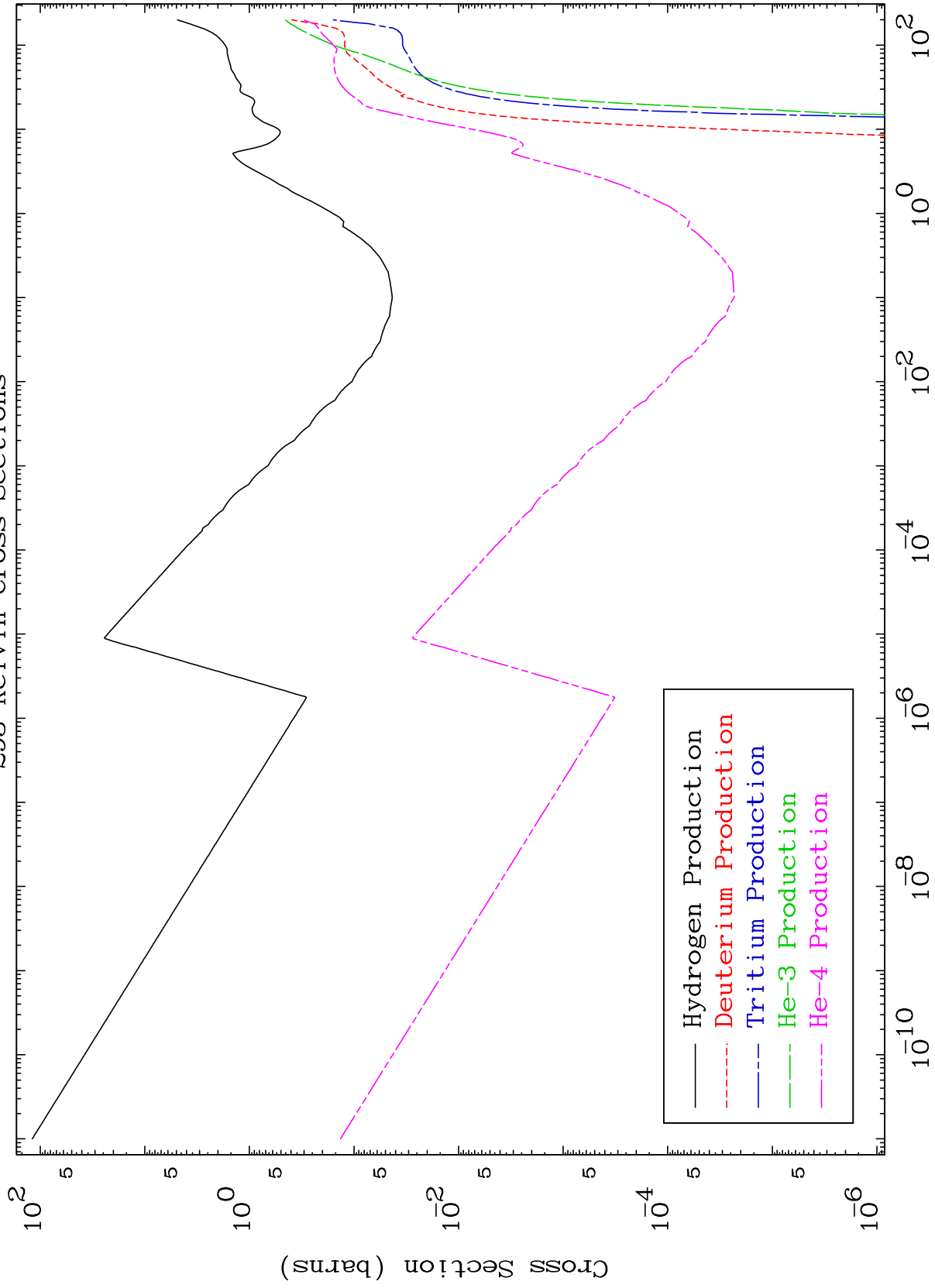
5

64-Gd-144

MAT 6401

Particle Production
293 Kelvin Cross Sections

64-Gd-144

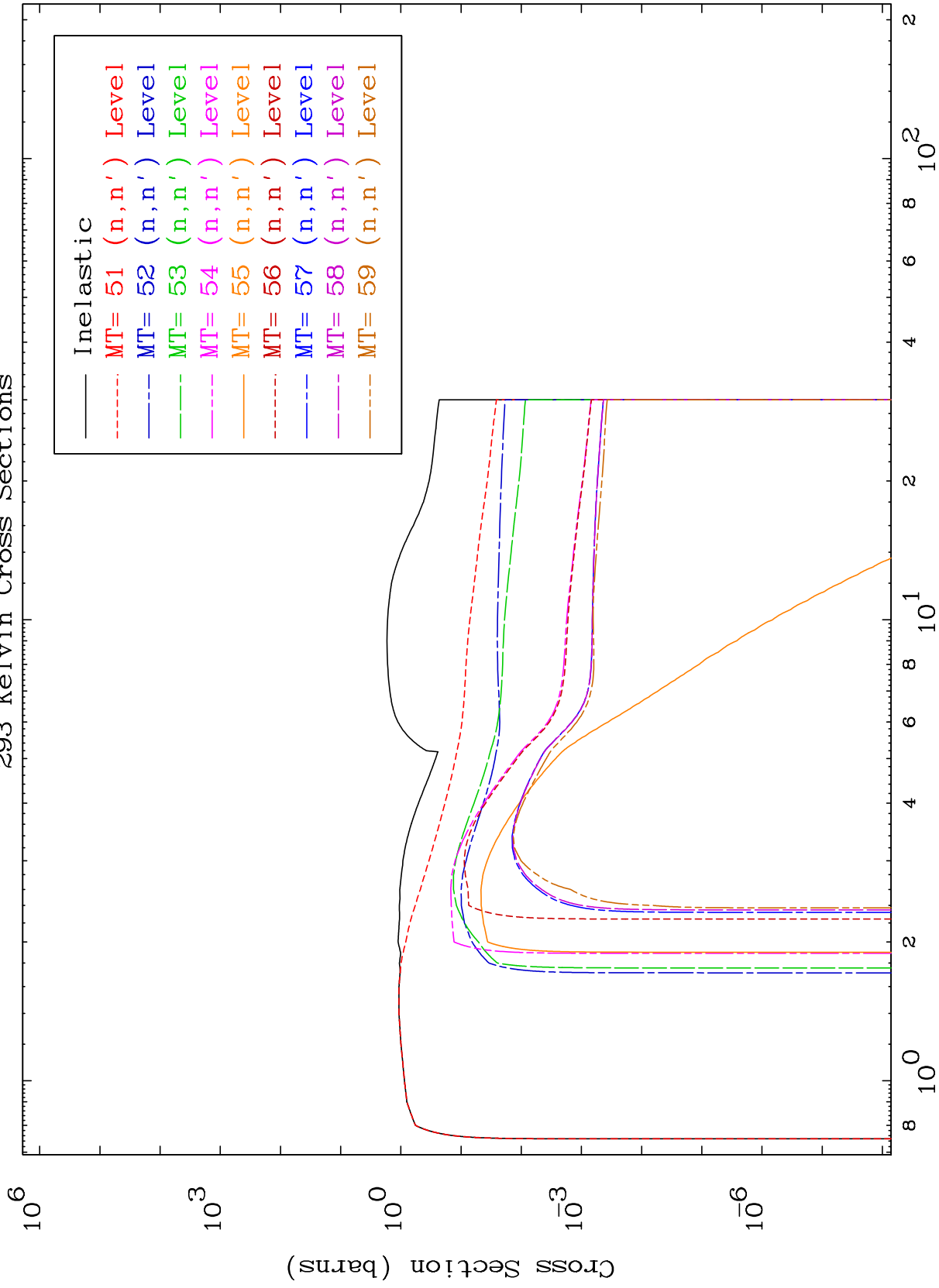


MAT 6401

(n,n') Level

64-Gd-144

293 Kelvin Cross Sections



7

Incident Energy (MeV)

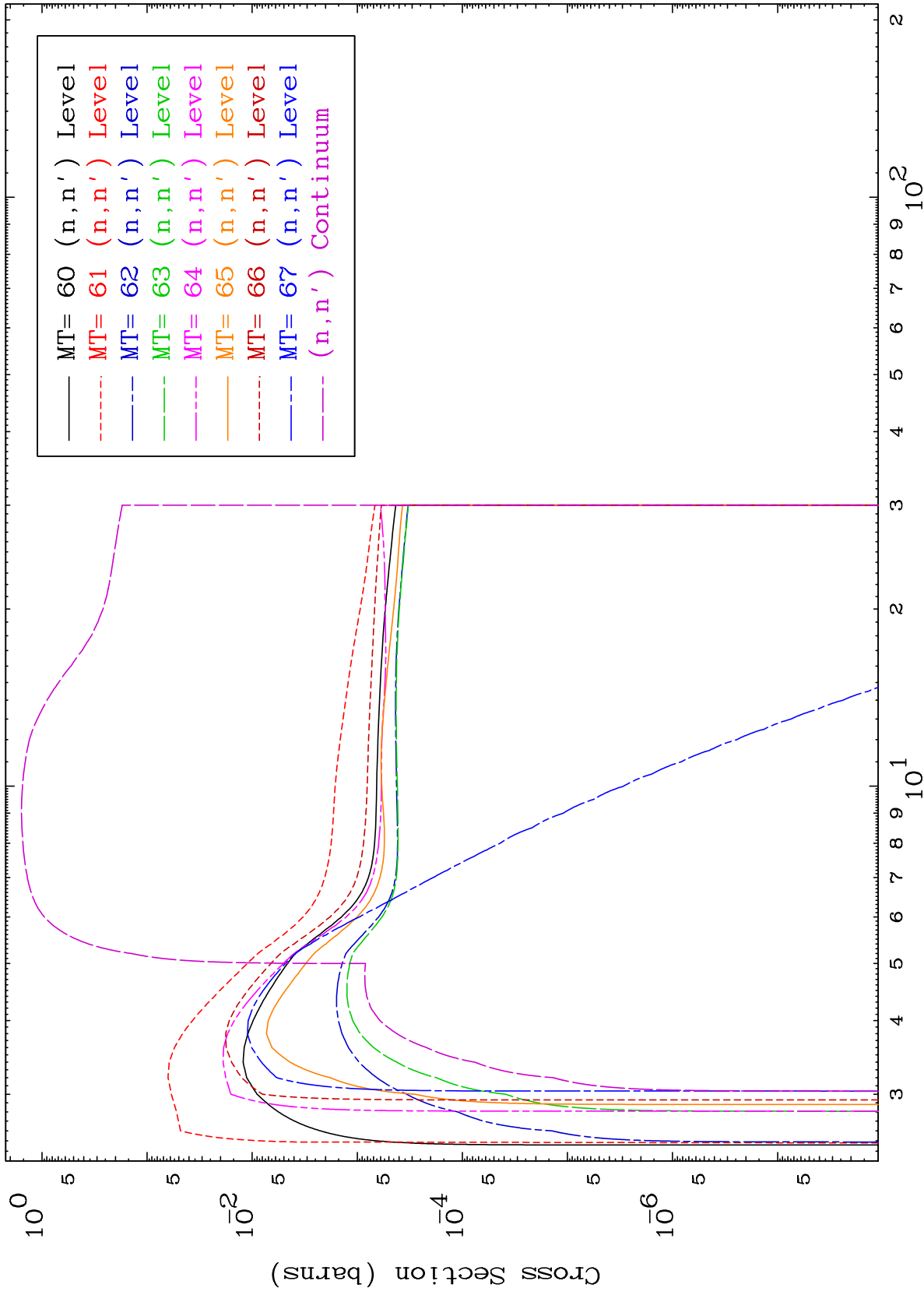
64-Gd-144

MAT 6401

(n,n') Level

64-Gd-144

293 Kelvin Cross Sections



8

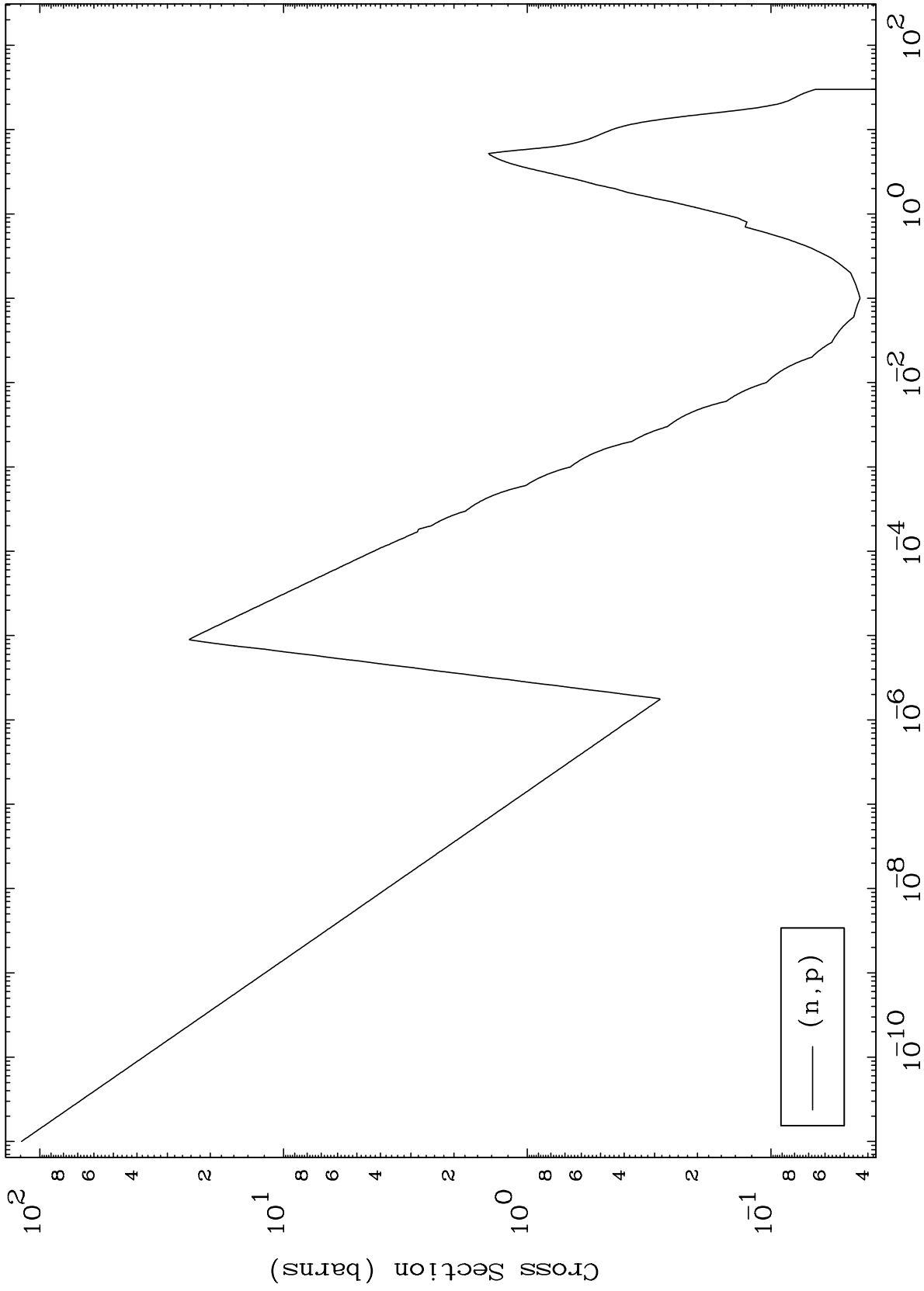
Incident Energy (MeV)

64-Gd-144

MAT 6401

(n,p) Levels
293 Kelvin Cross Sections

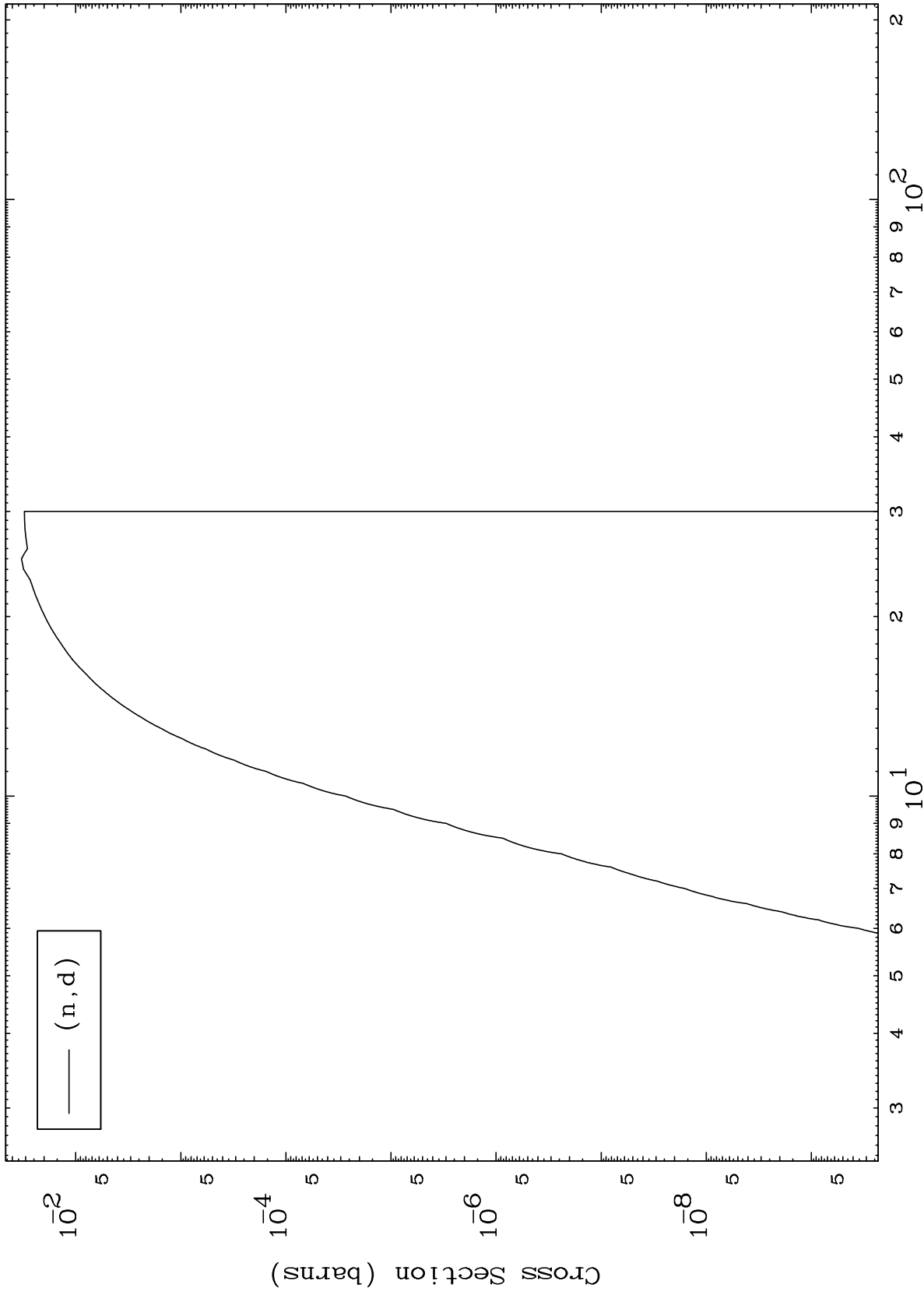
64-Gd-144



MAT 6401

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-144



10

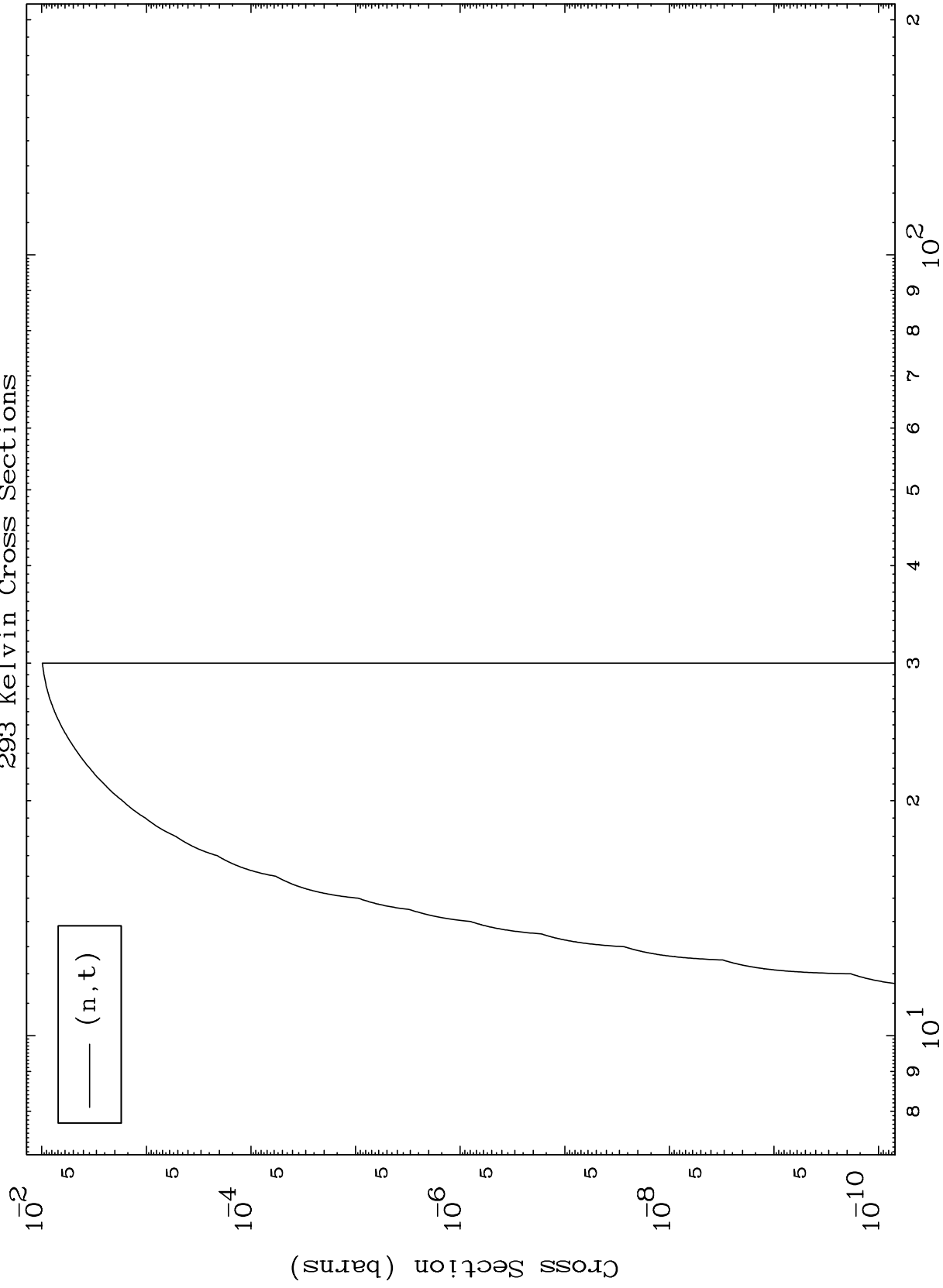
Incident Energy (MeV)

64-Gd-144

MAT 6401

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-144



11

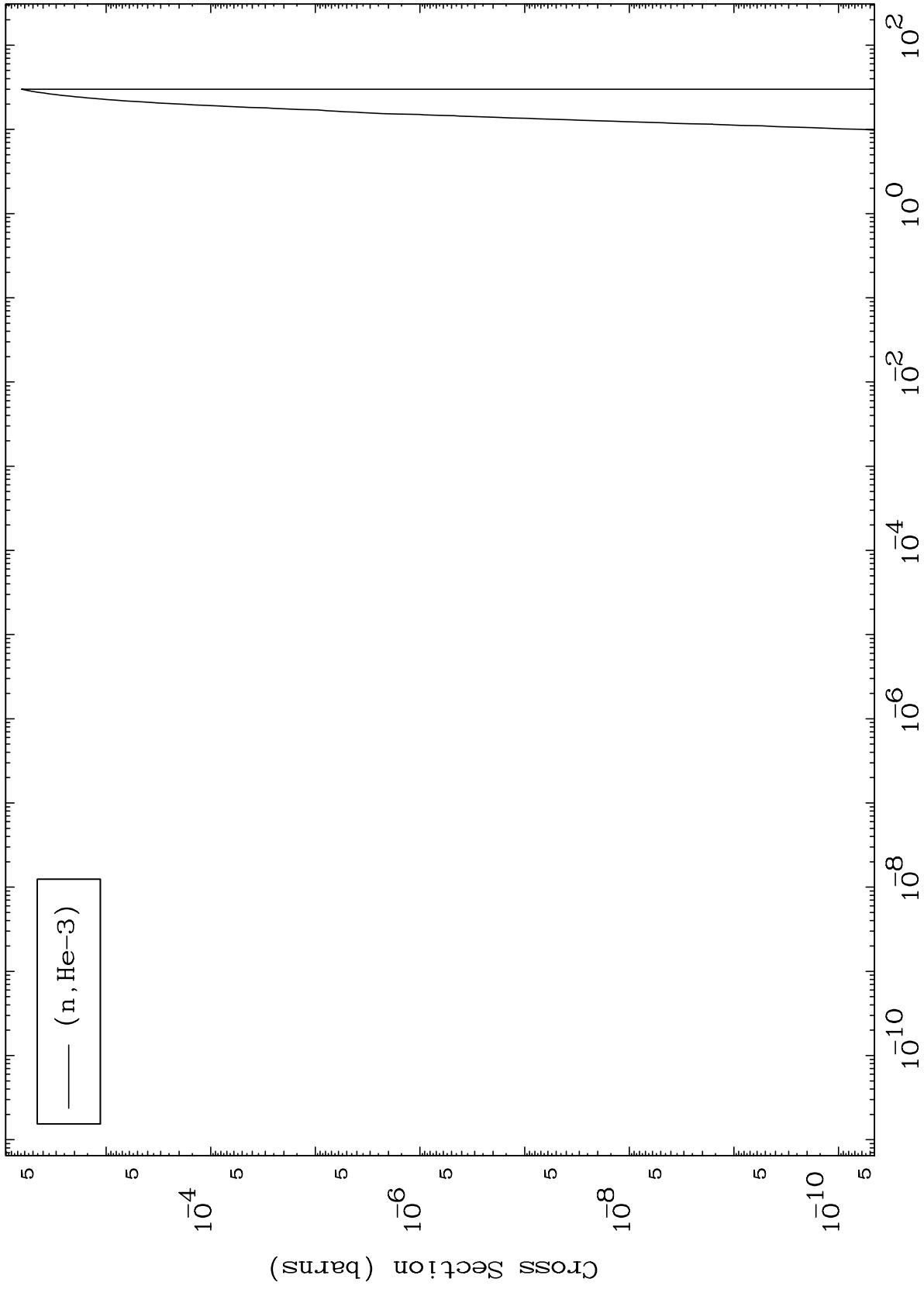
Incident Energy (MeV)

64-Gd-144

MAT 6401

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-144



12

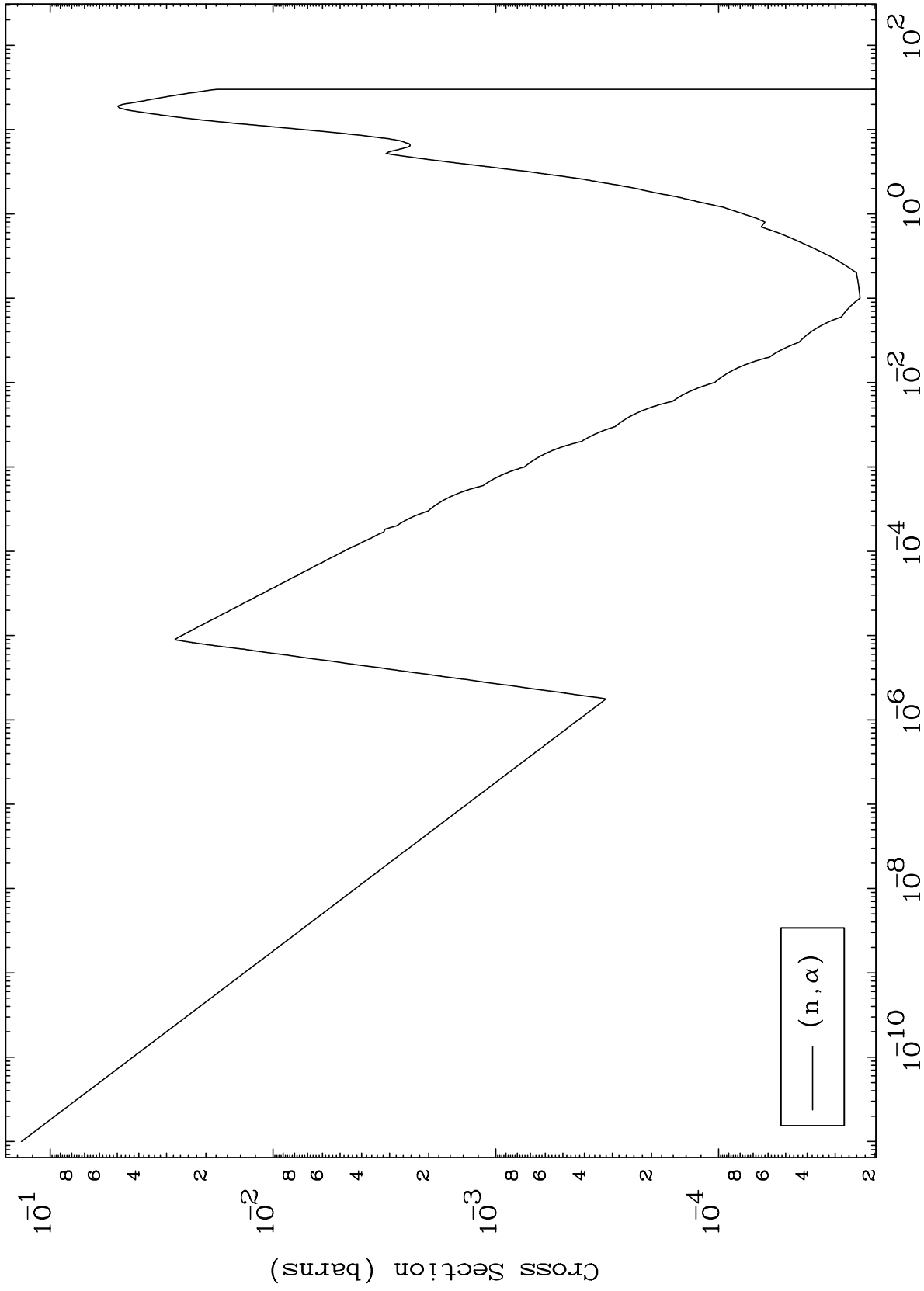
Incident Energy (MeV)

64-Gd-144

MAT 6401

(n,α) Levels
293 Kelvin Cross Sections

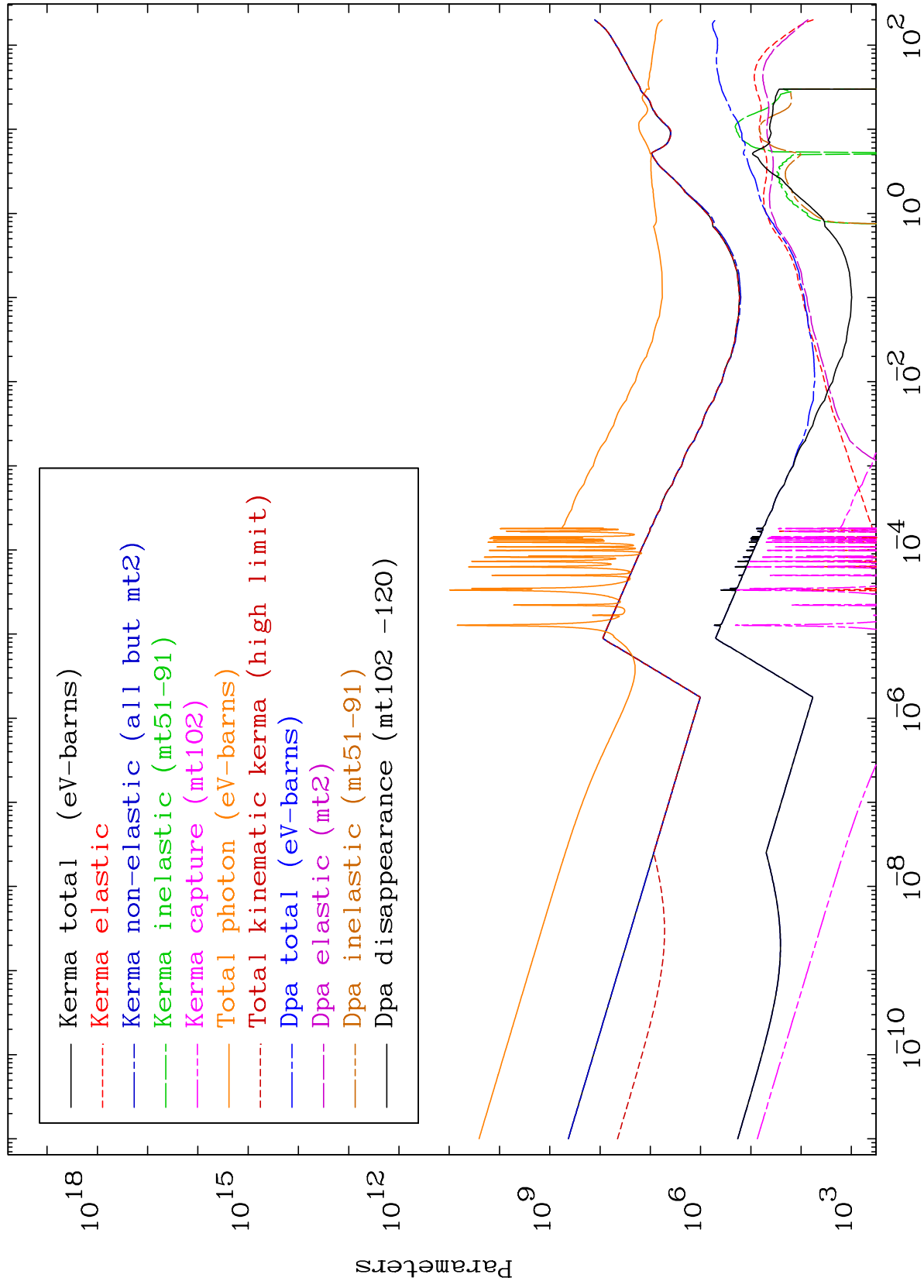
64-Gd-144



13

Incident Energy (MeV)

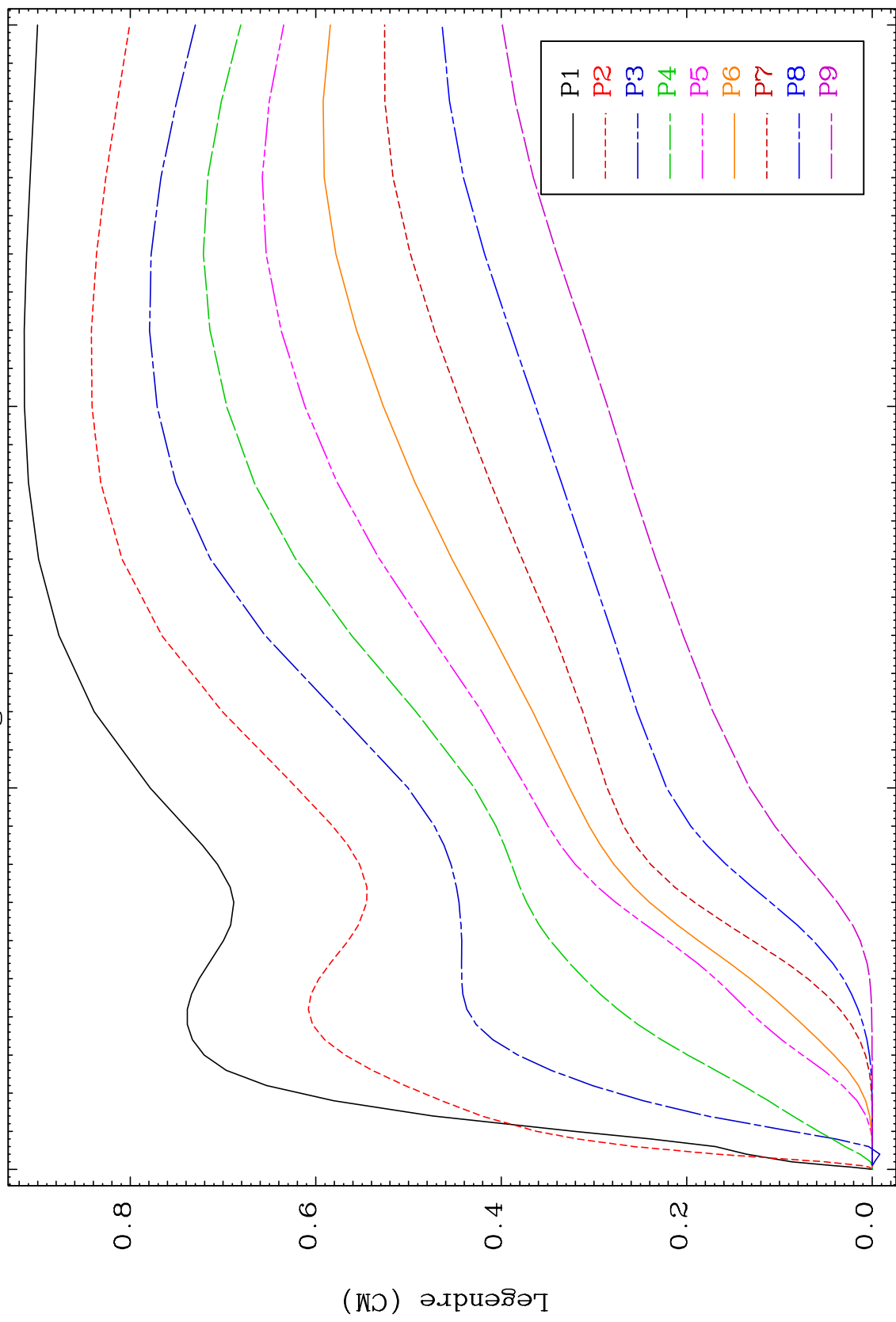
64-Gd-144



MAT 6401

Elastic Legendre Coefficients

64-Gd-144



15

Incident Energy (MeV)

64-Gd-144

30

20

10

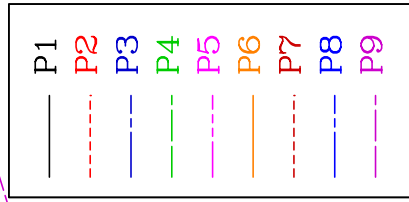
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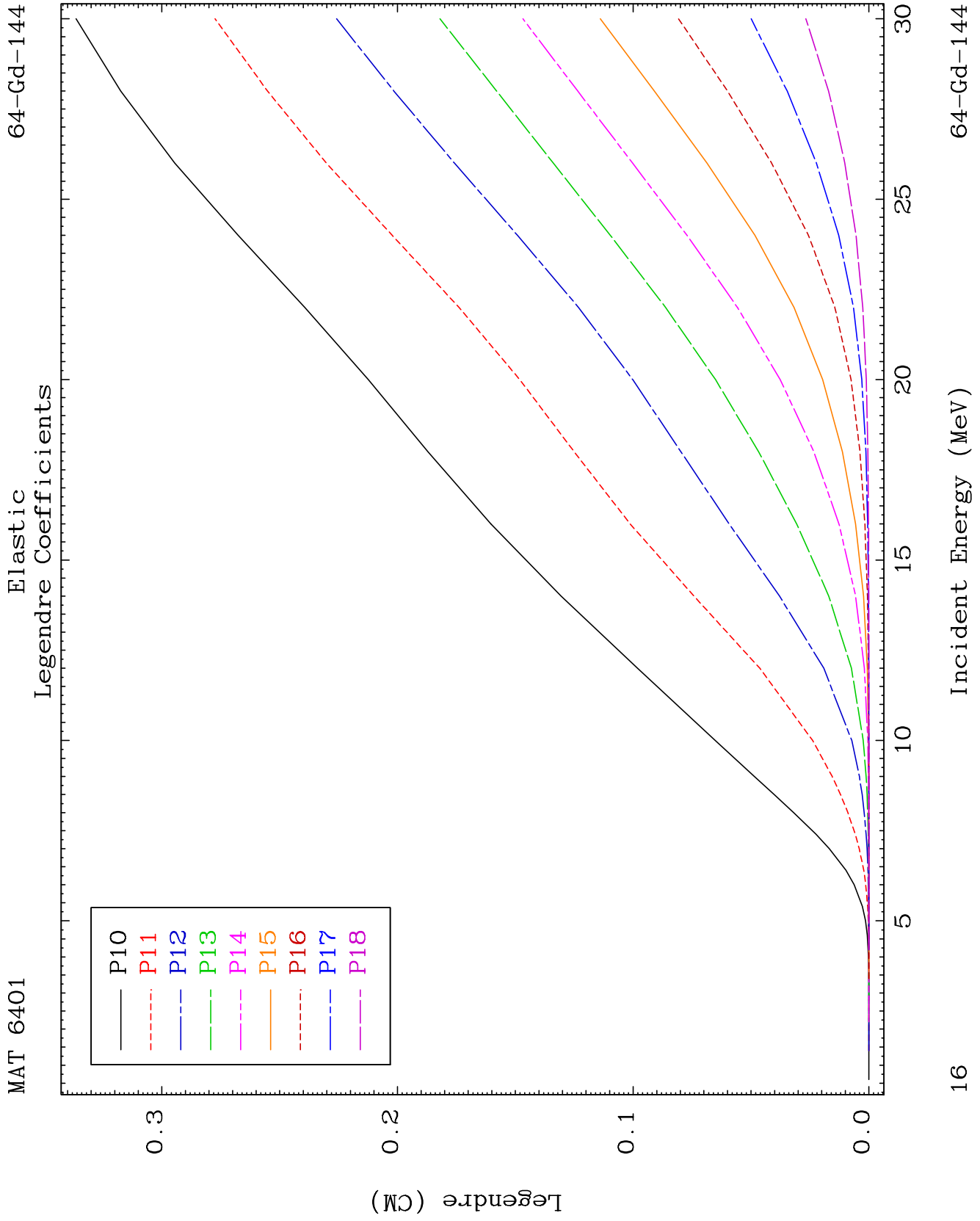
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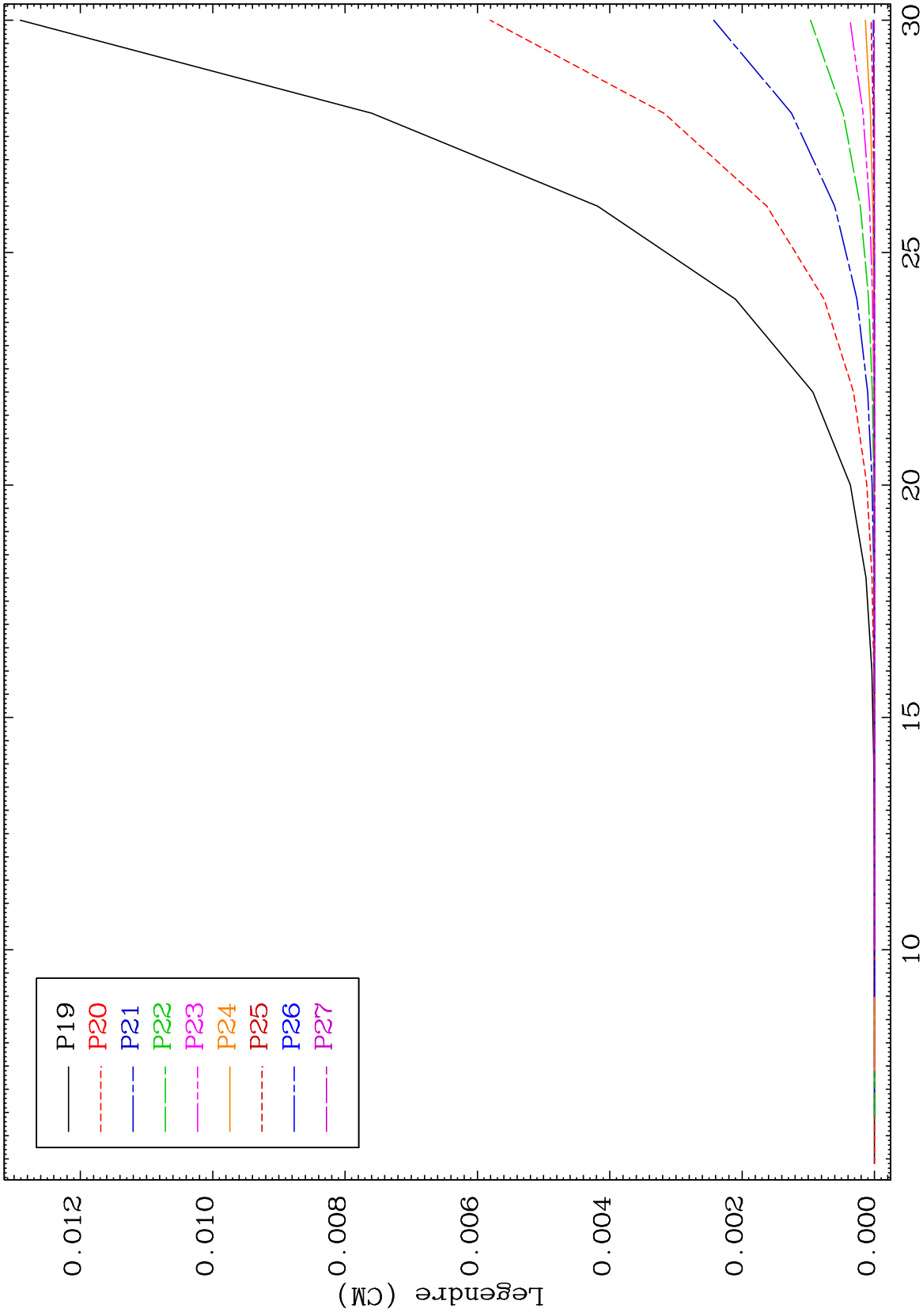




MAT 6401

Elastic Legendre Coefficients

64-Gd-144



17

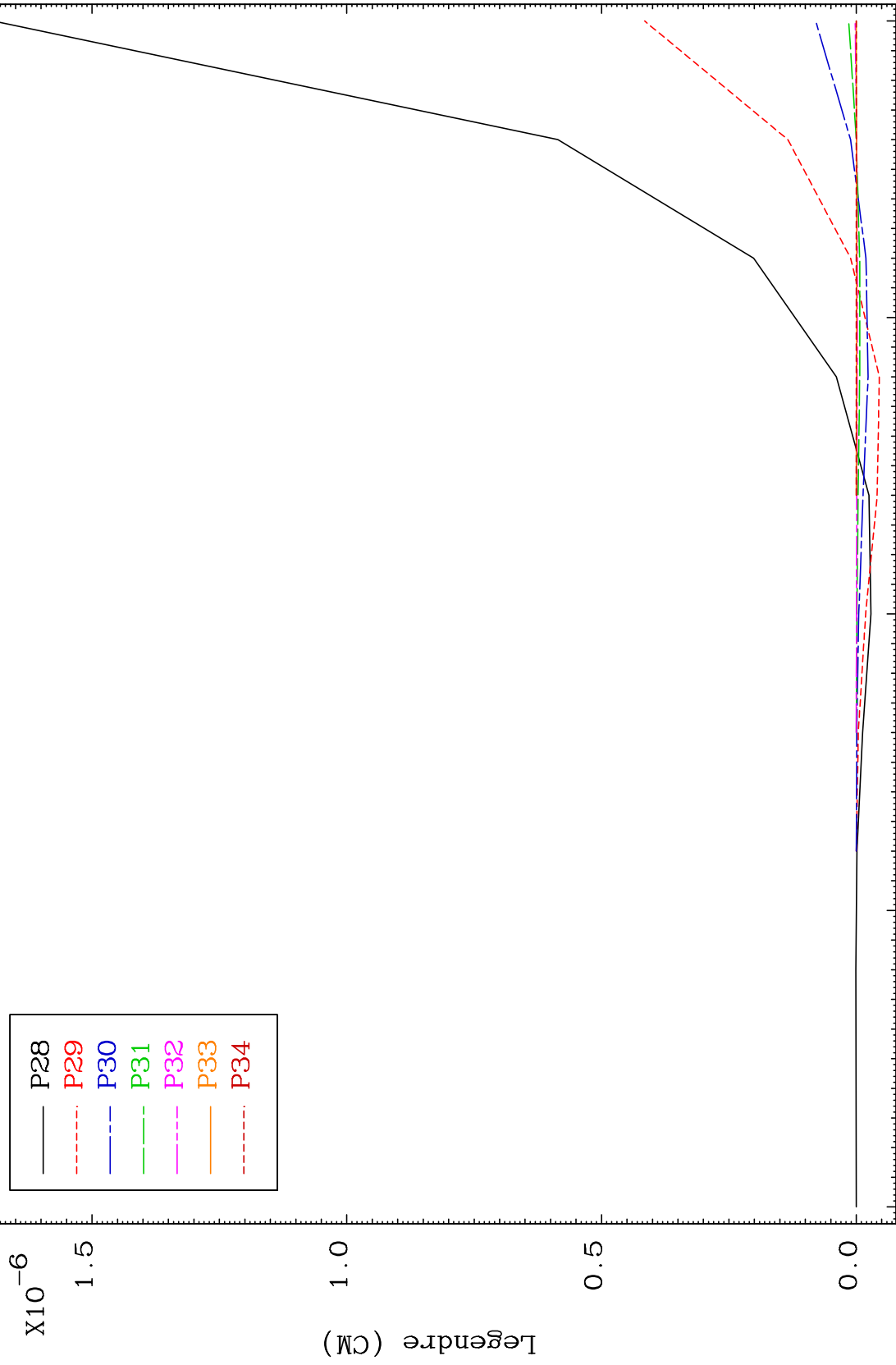
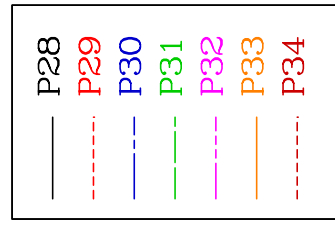
Incident Energy (MeV)

64-Gd-144

MAT 6401

Elastic Legendre Coefficients

64-Gd-144

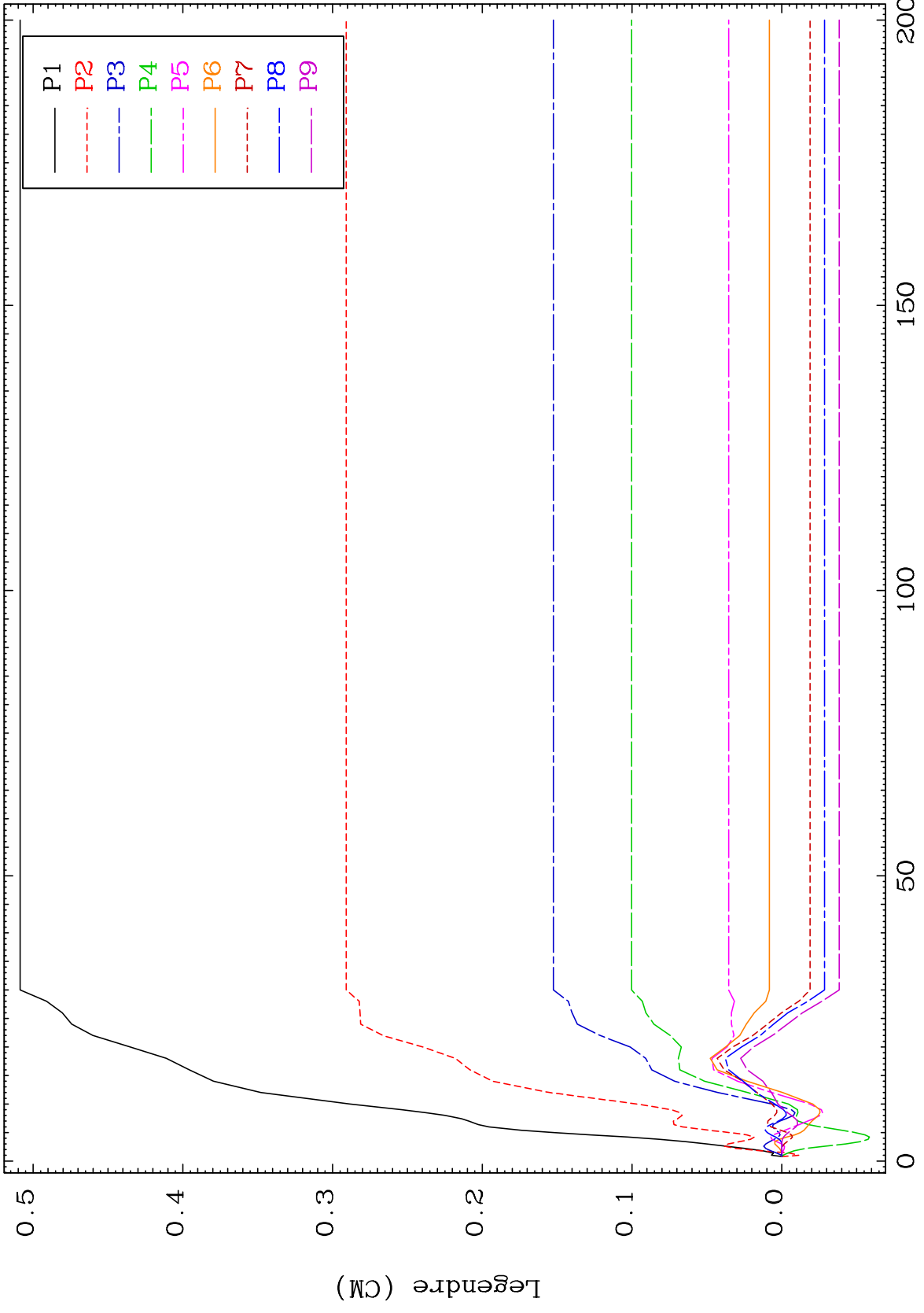


18

Incident Energy (MeV)

64-Gd-144

MAT 6401 MT= 51 (n,n') Level Legendre Coefficients 64-Gd-144

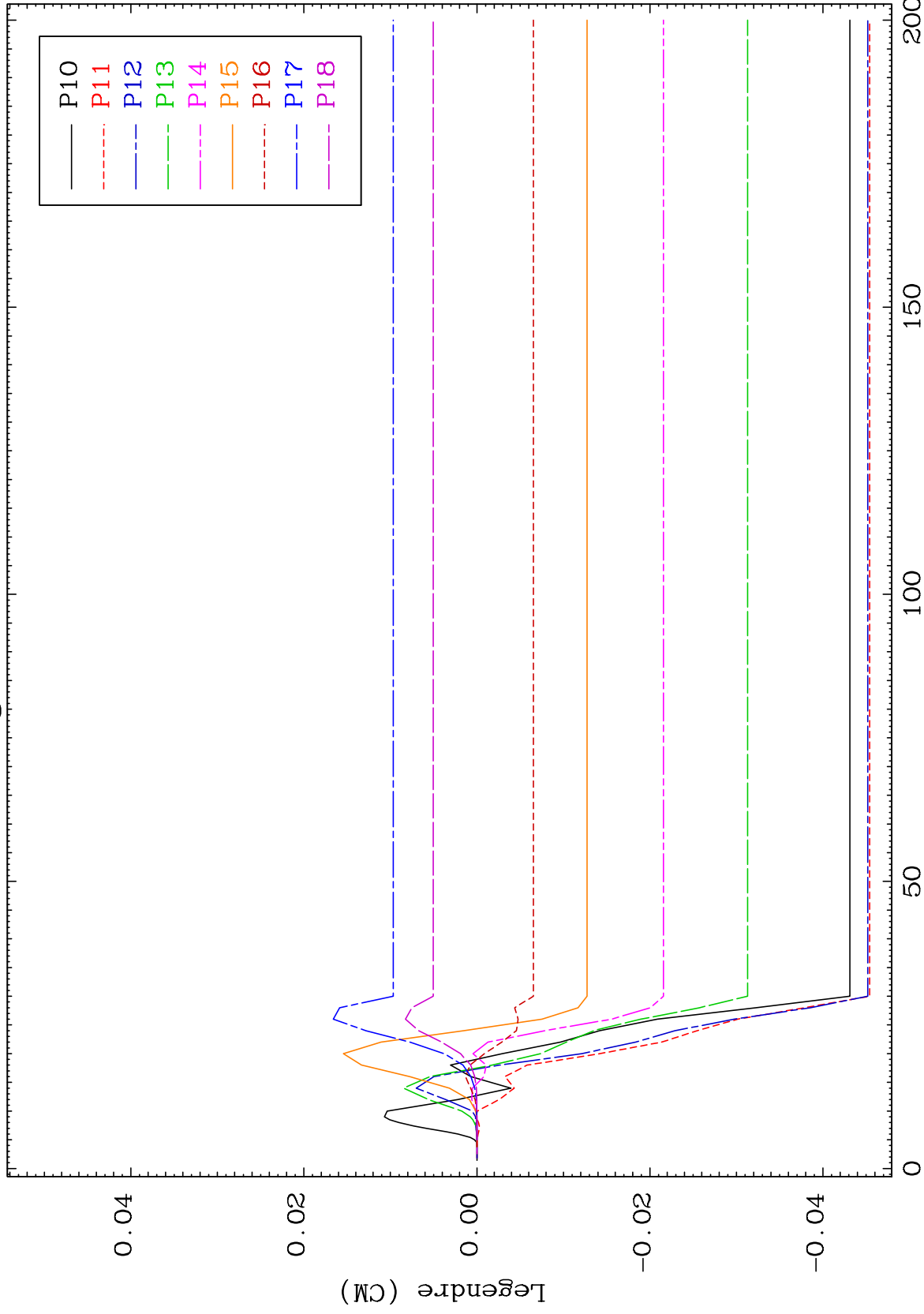


19 64-Gd-144

MAT 6401

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

64-Gd-144



64-Gd-144

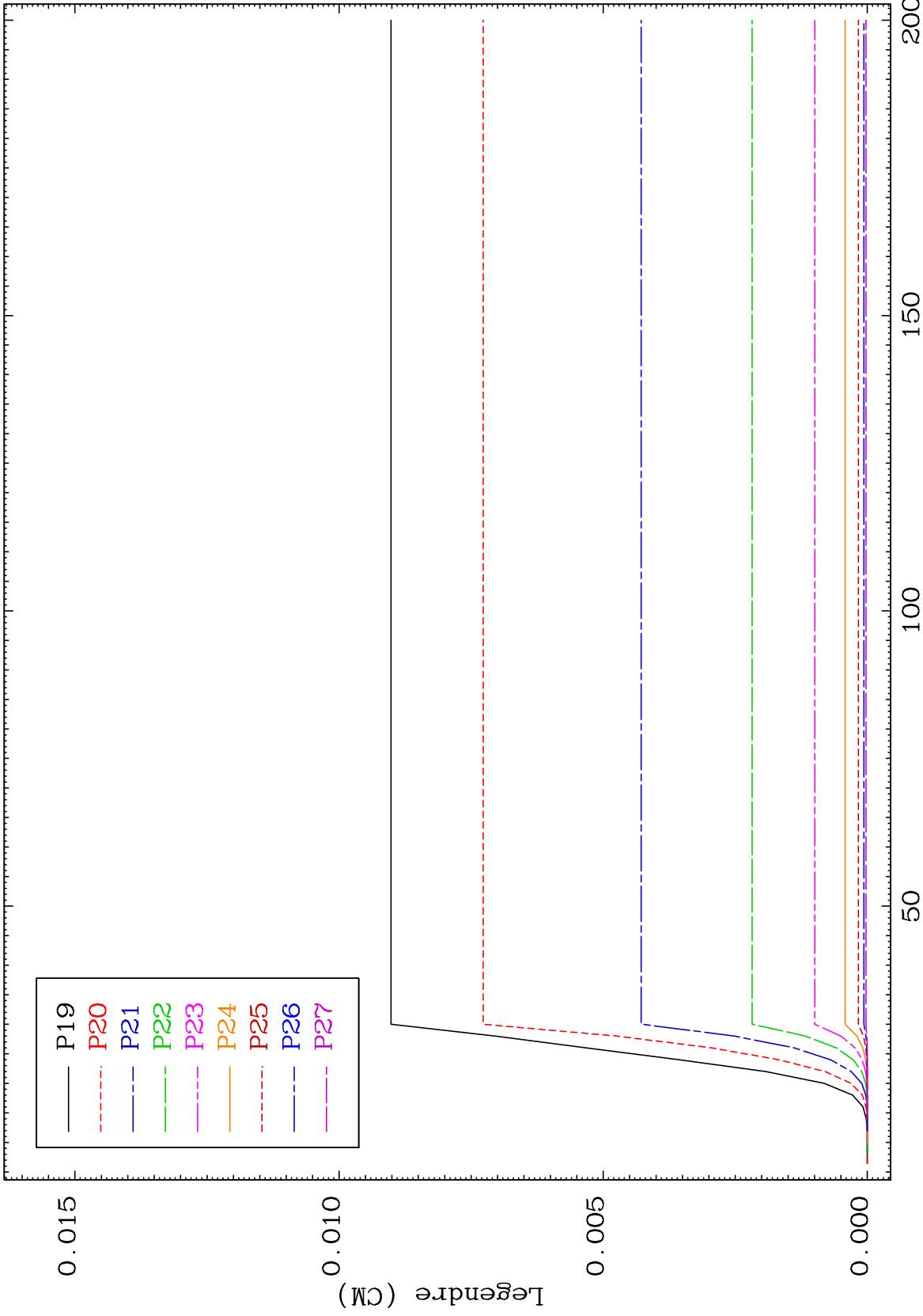
Incident Energy (MeV)

20

MAT 6401

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

64-Gd-144



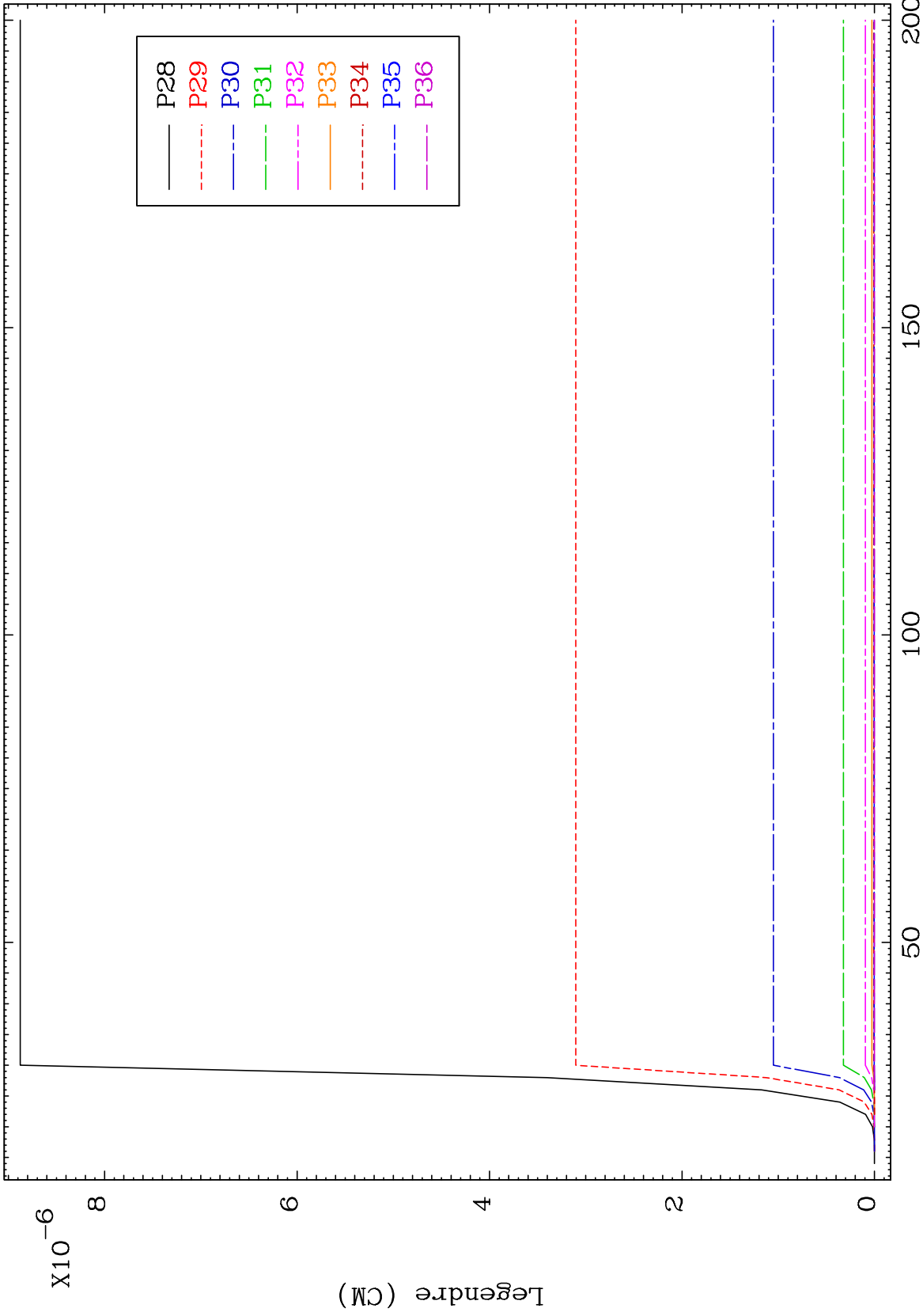
21

64-Gd-144

MAT 6401

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

64-Gd-144



22

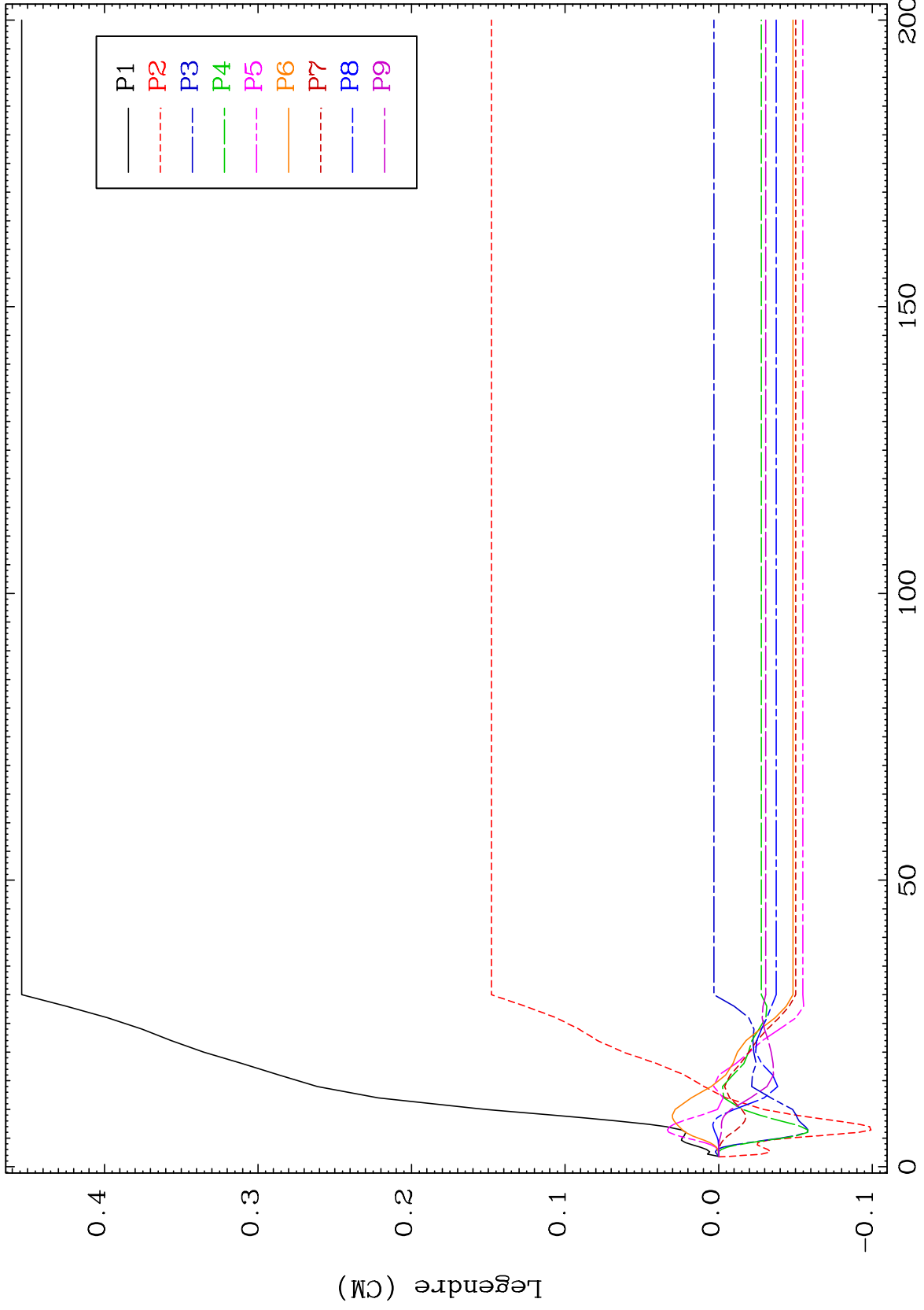
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



23

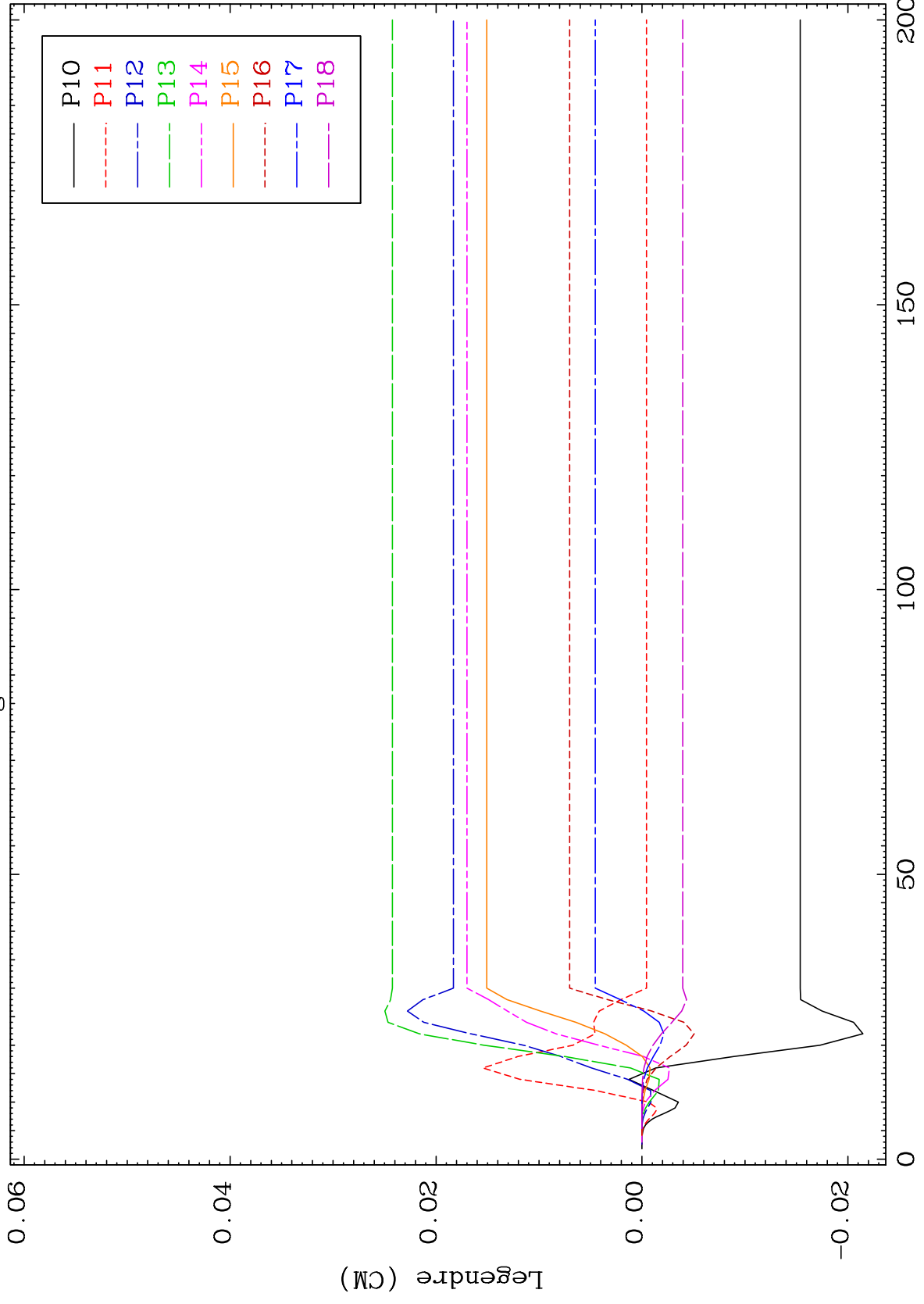
Incident Energy (MeV)

64-Gd-144

MAT 6401 MT= 52 (n,n') Level Legendre Coefficients

64-Gd-144

64-Gd-144

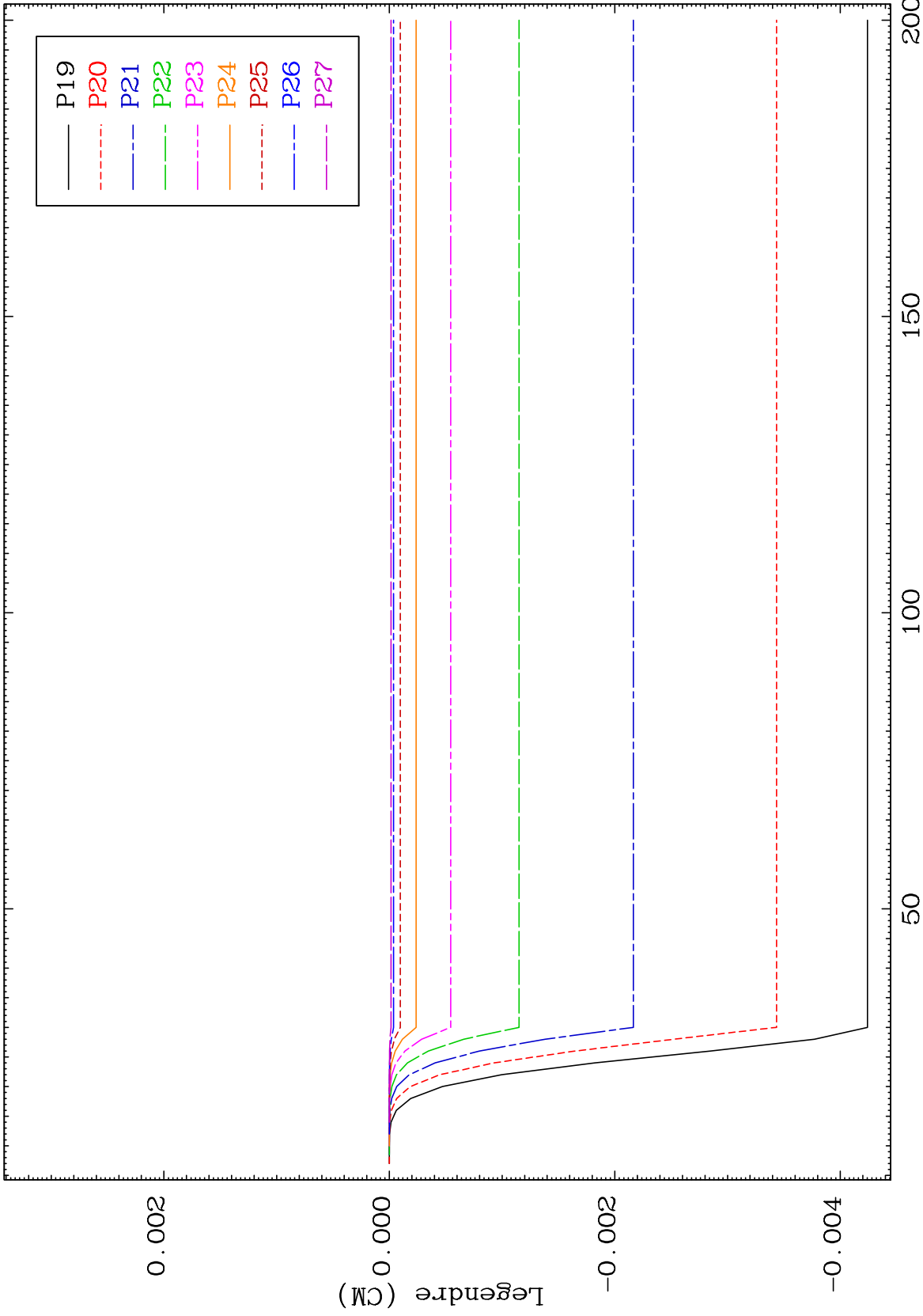


24

MAT 6401

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

64-Gd-144



25

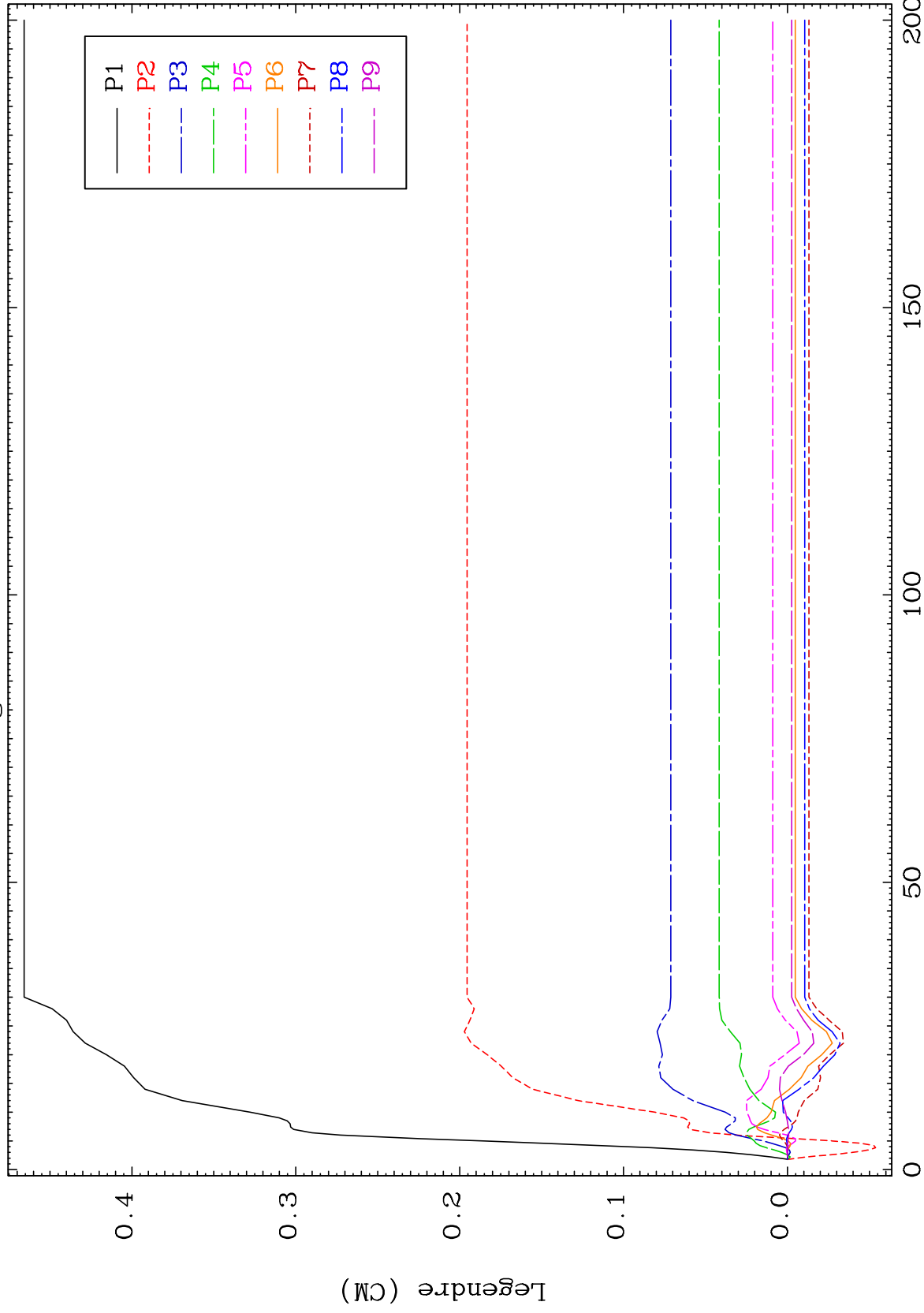
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



27

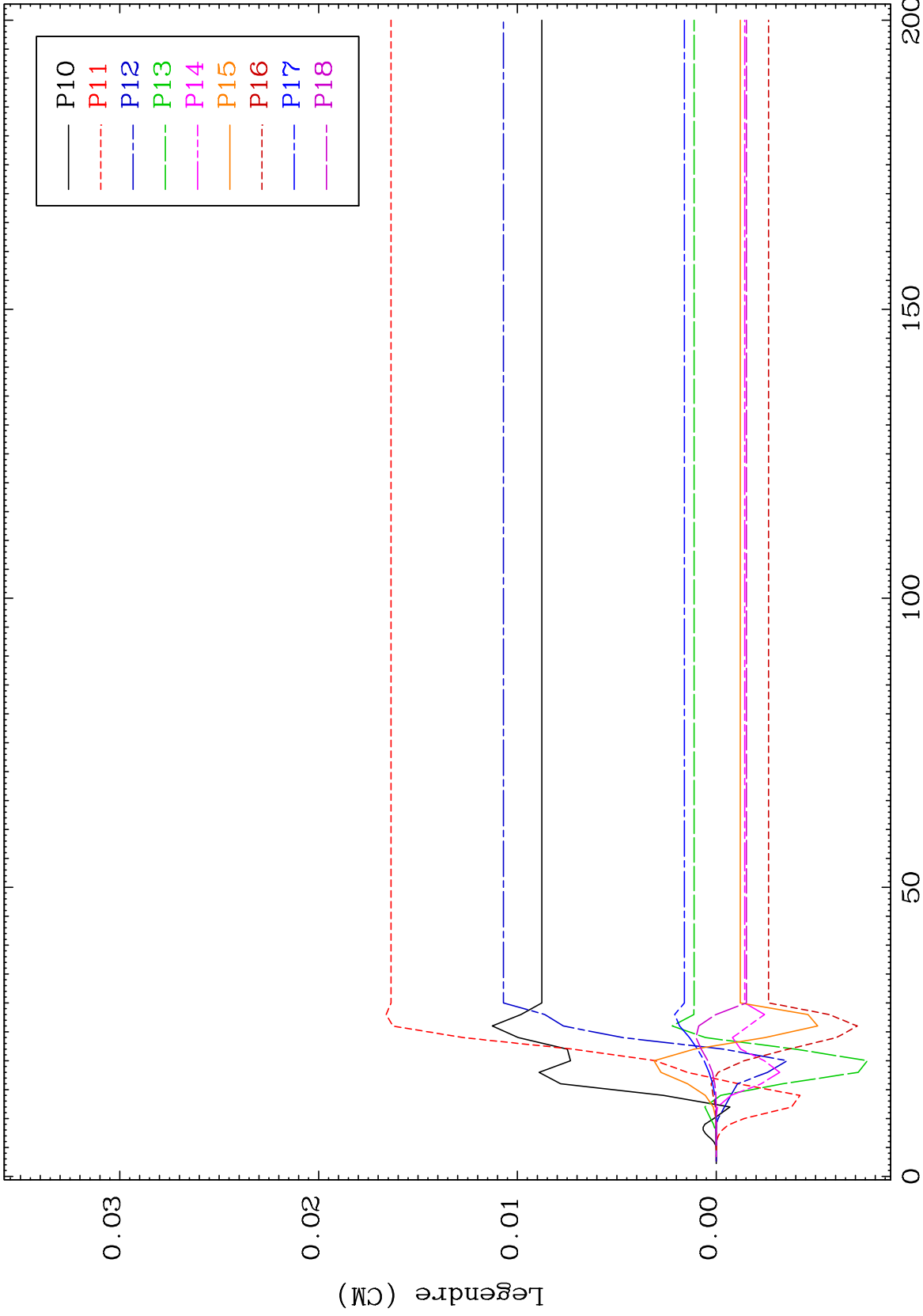
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



28

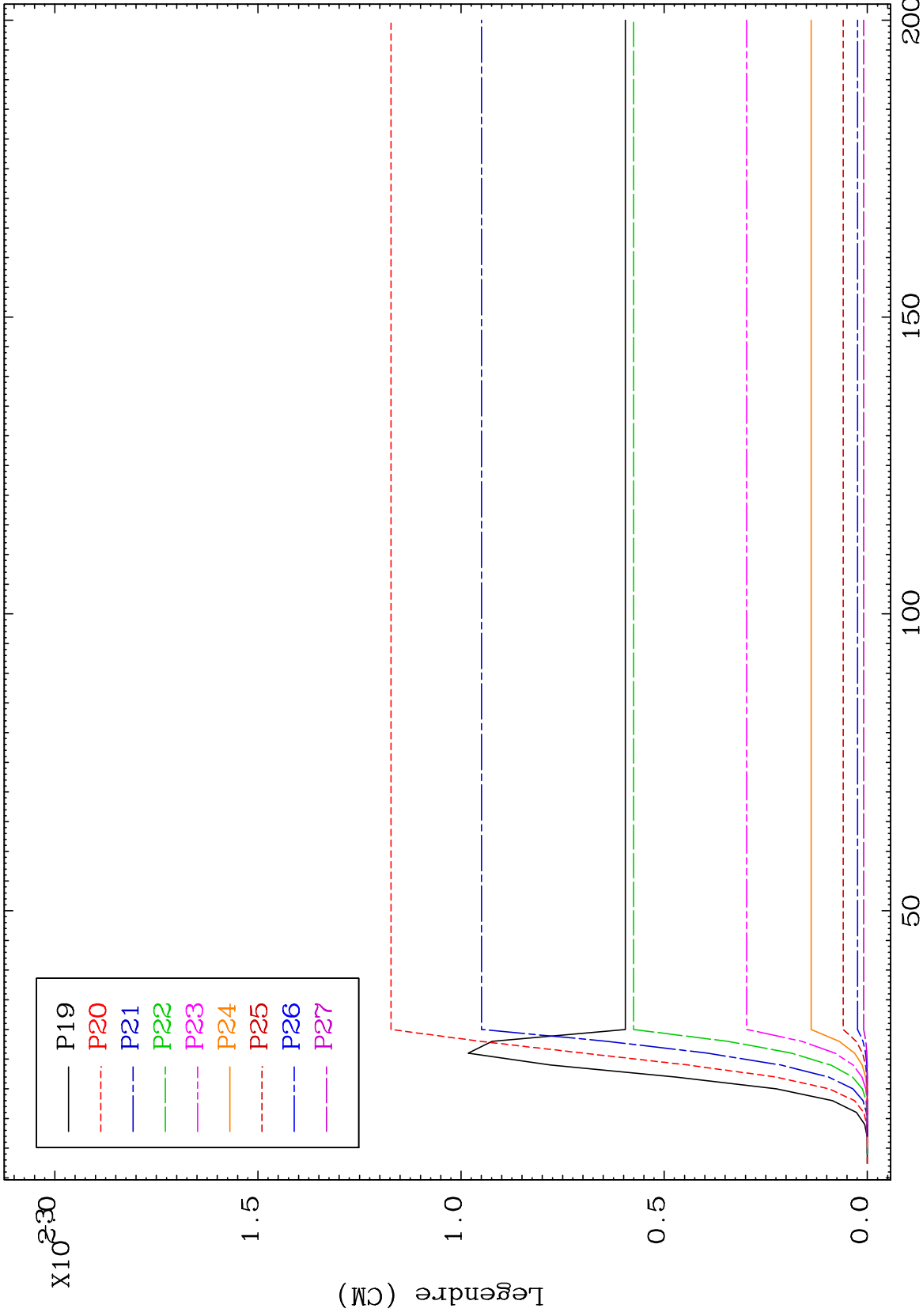
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



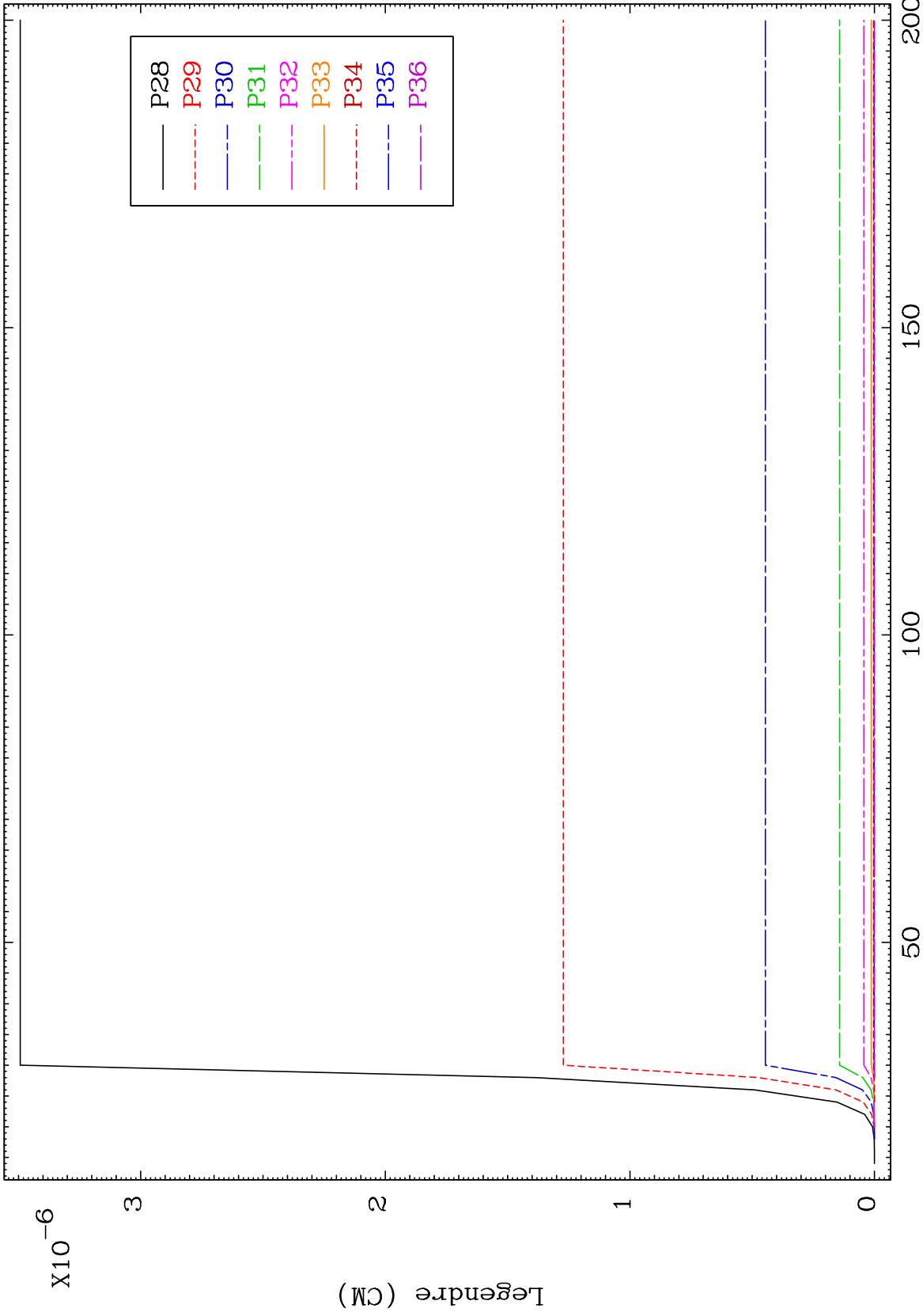
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64-Gd-144

MAT 6401

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

64-Gd-144



30

50

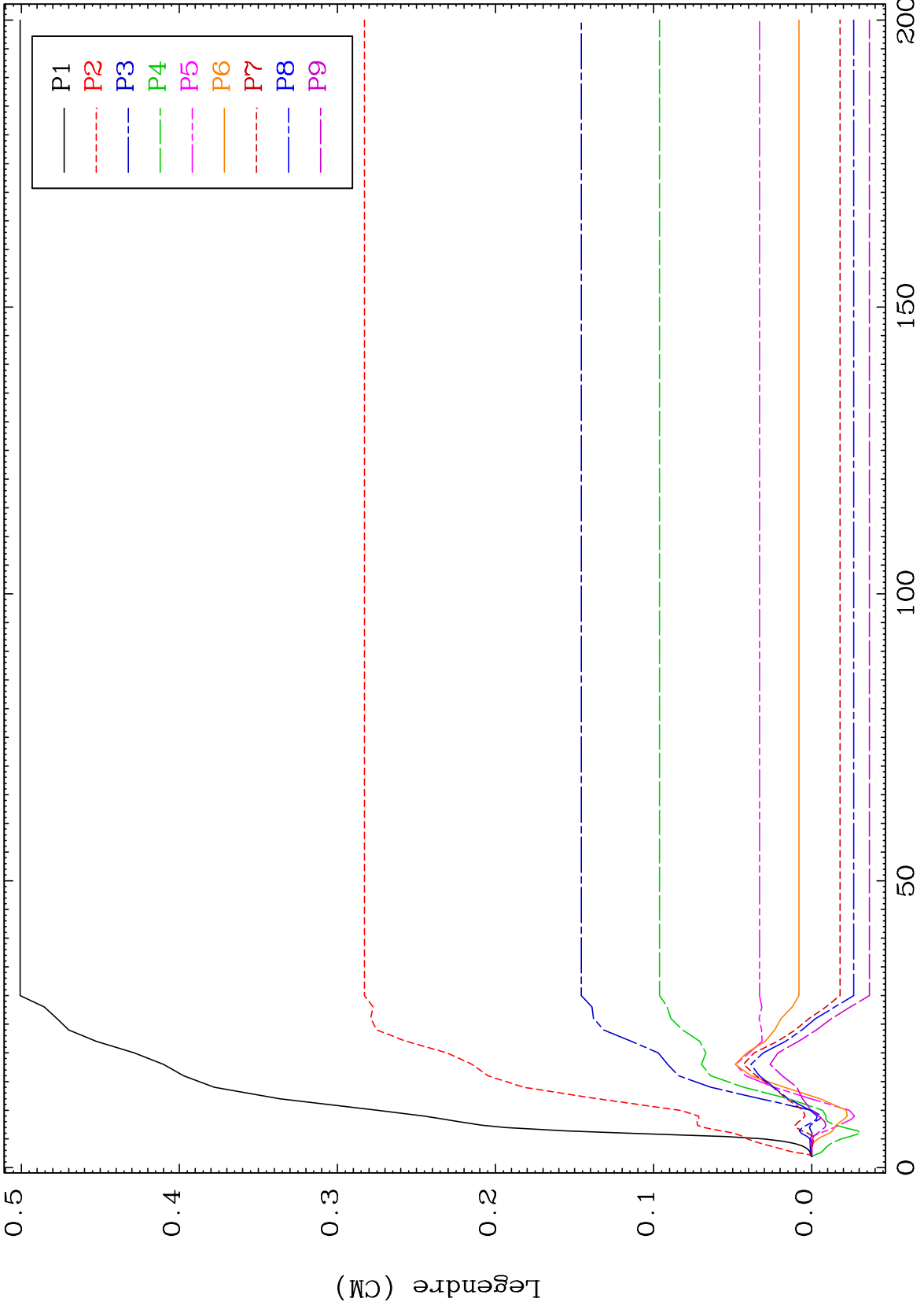
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150

200

64-Gd-144

MAT 6401 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-144

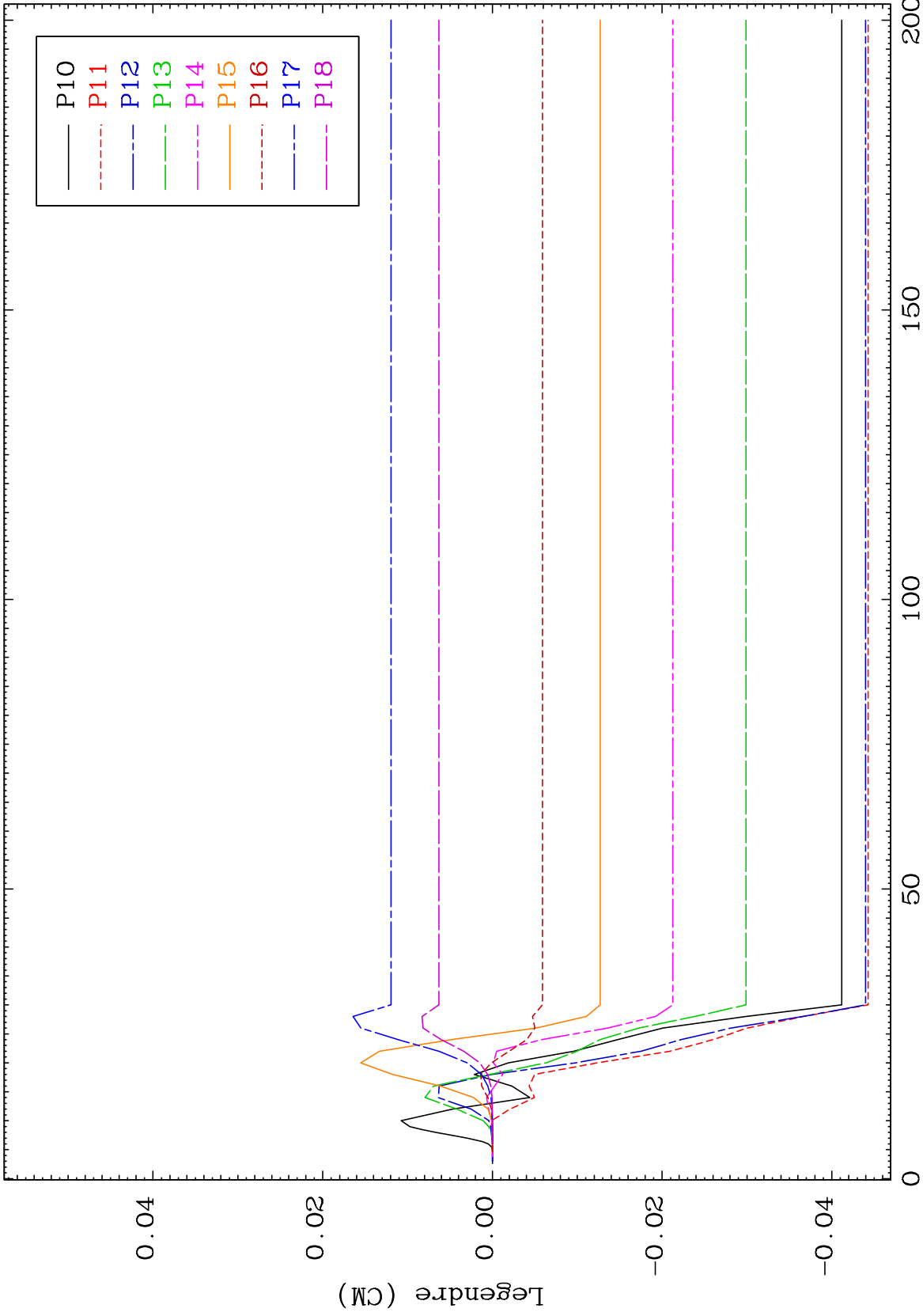


31 64-Gd-144

MAT 6401

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

64-Gd-144



32

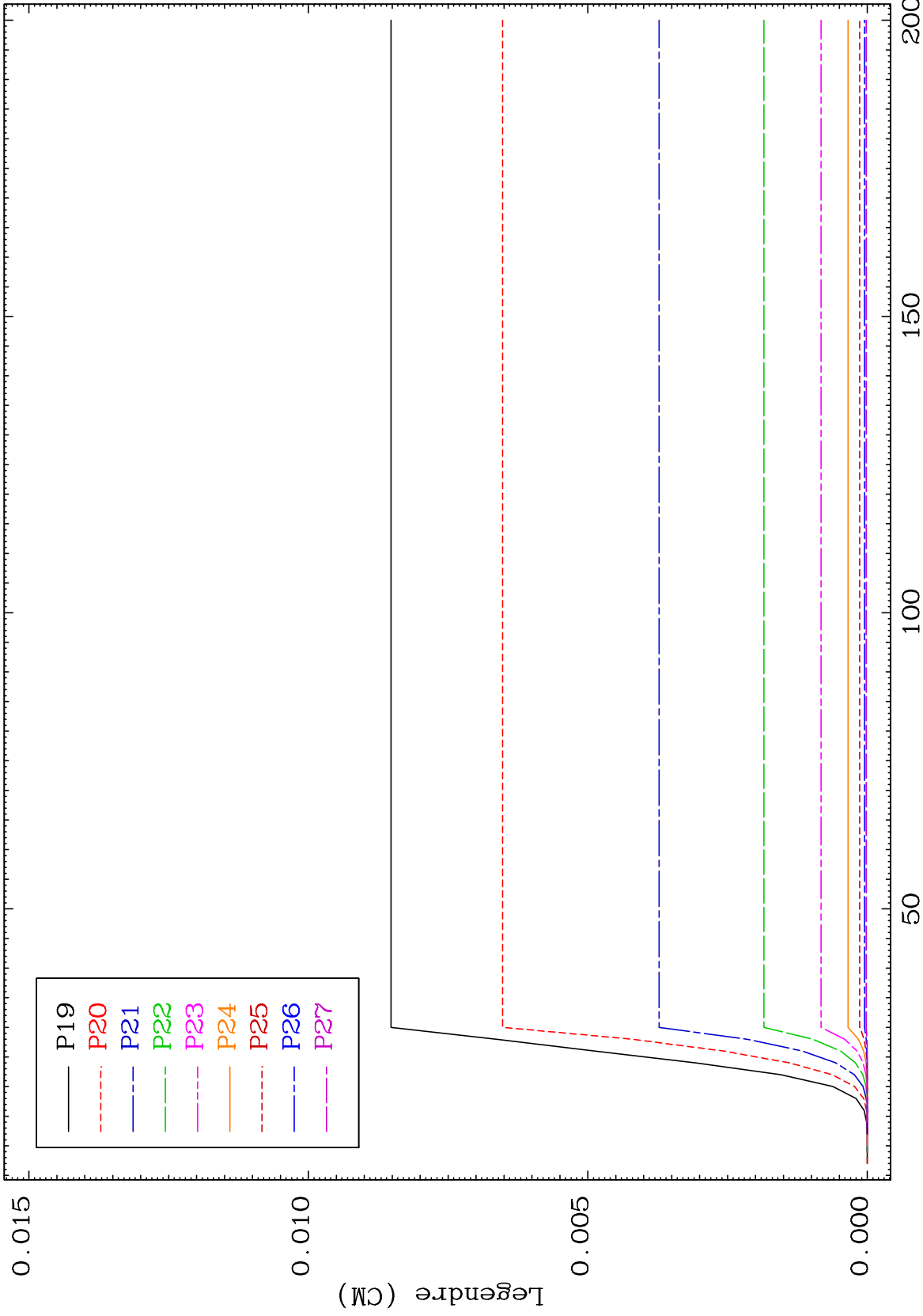
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



33

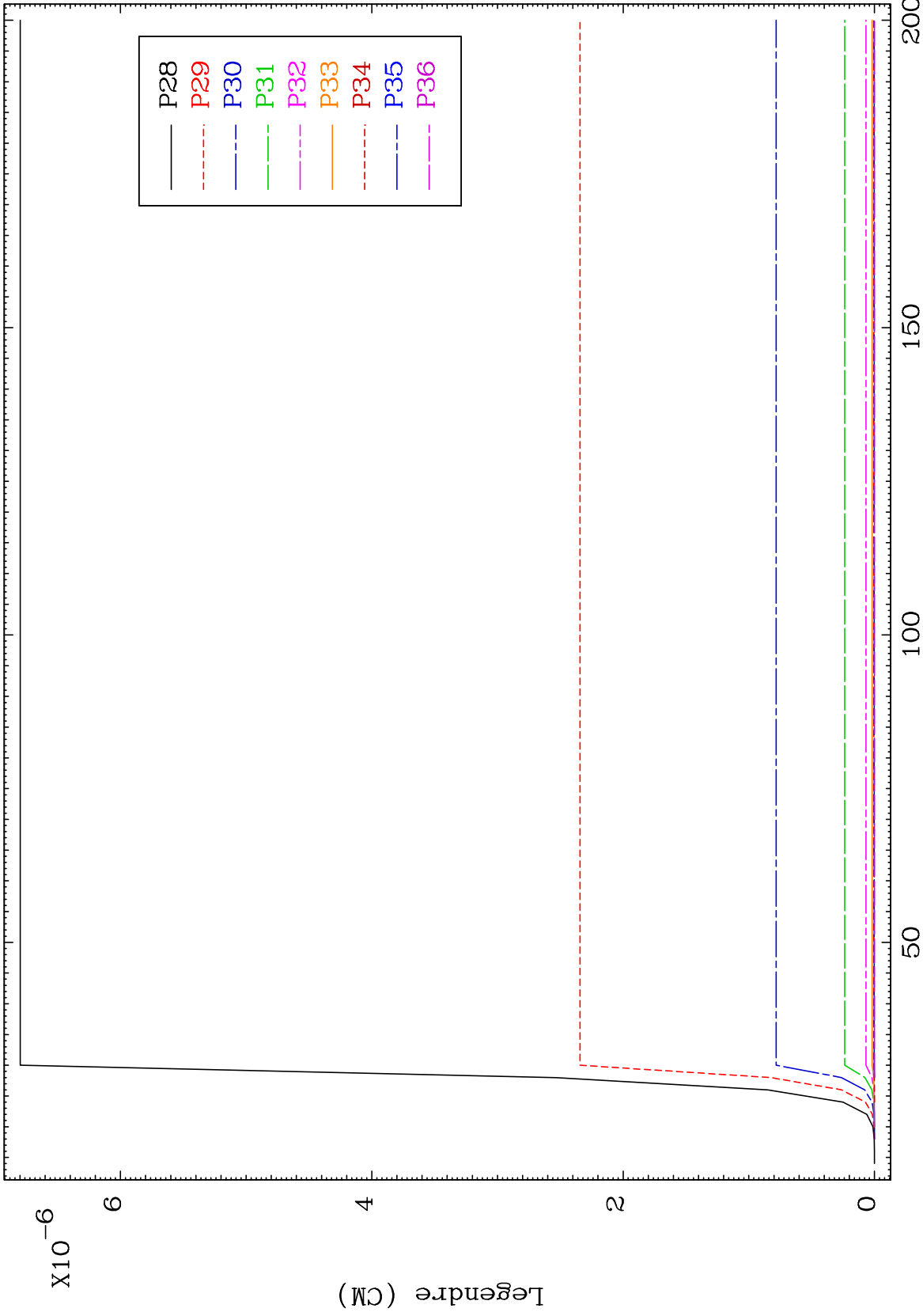
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144

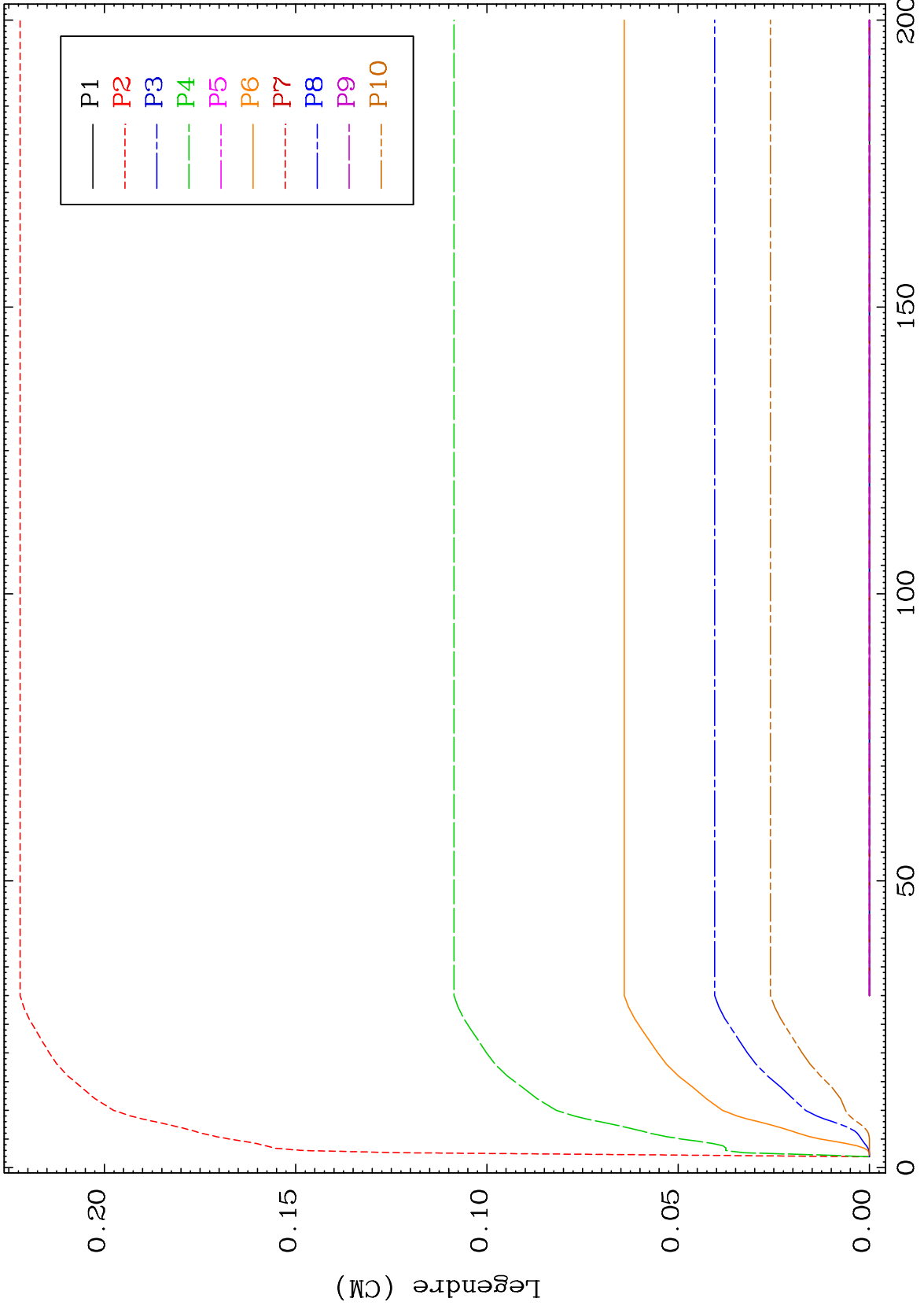


34

Incident Energy (MeV)

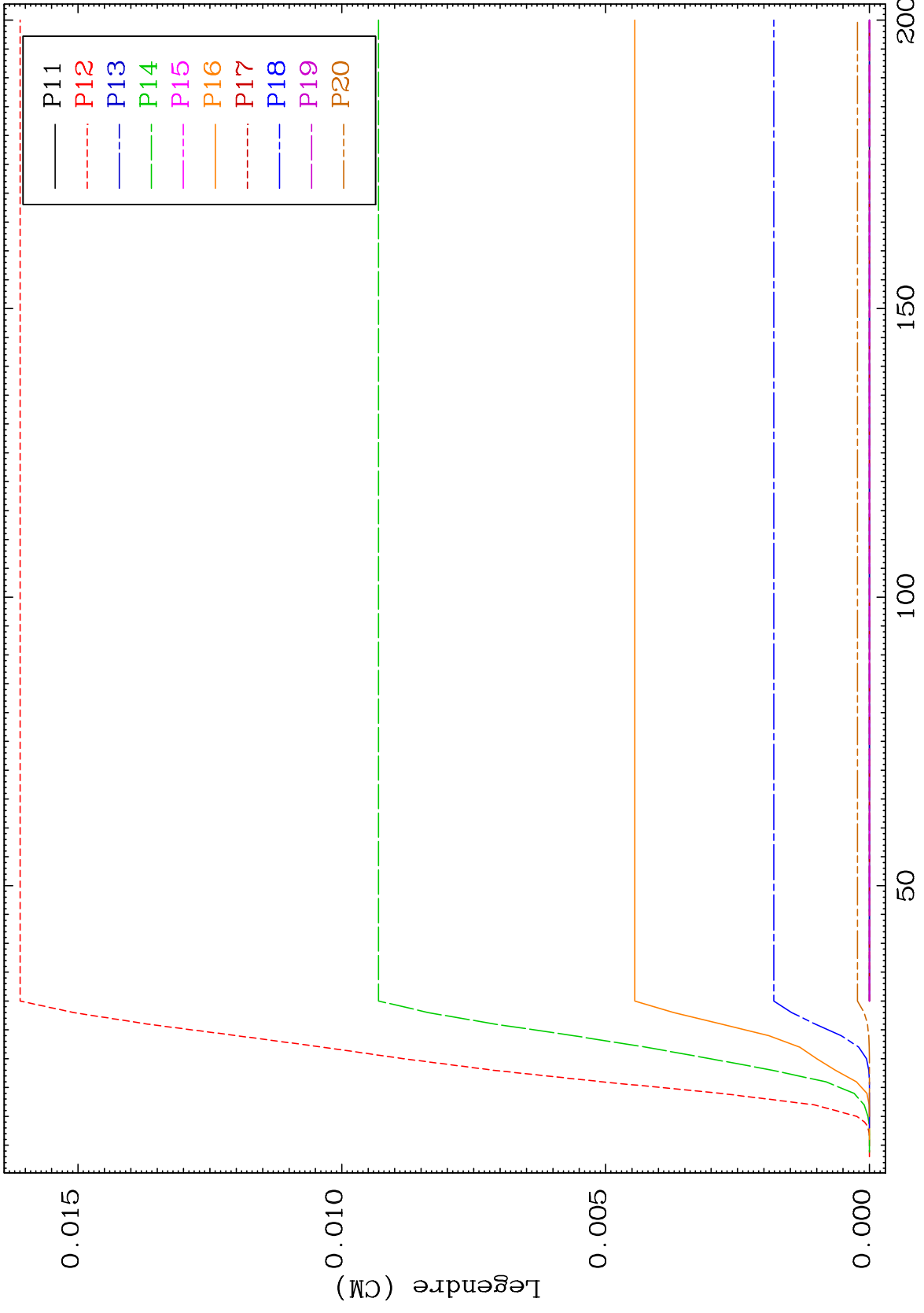
64-Gd-144

MAT 6401 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-144



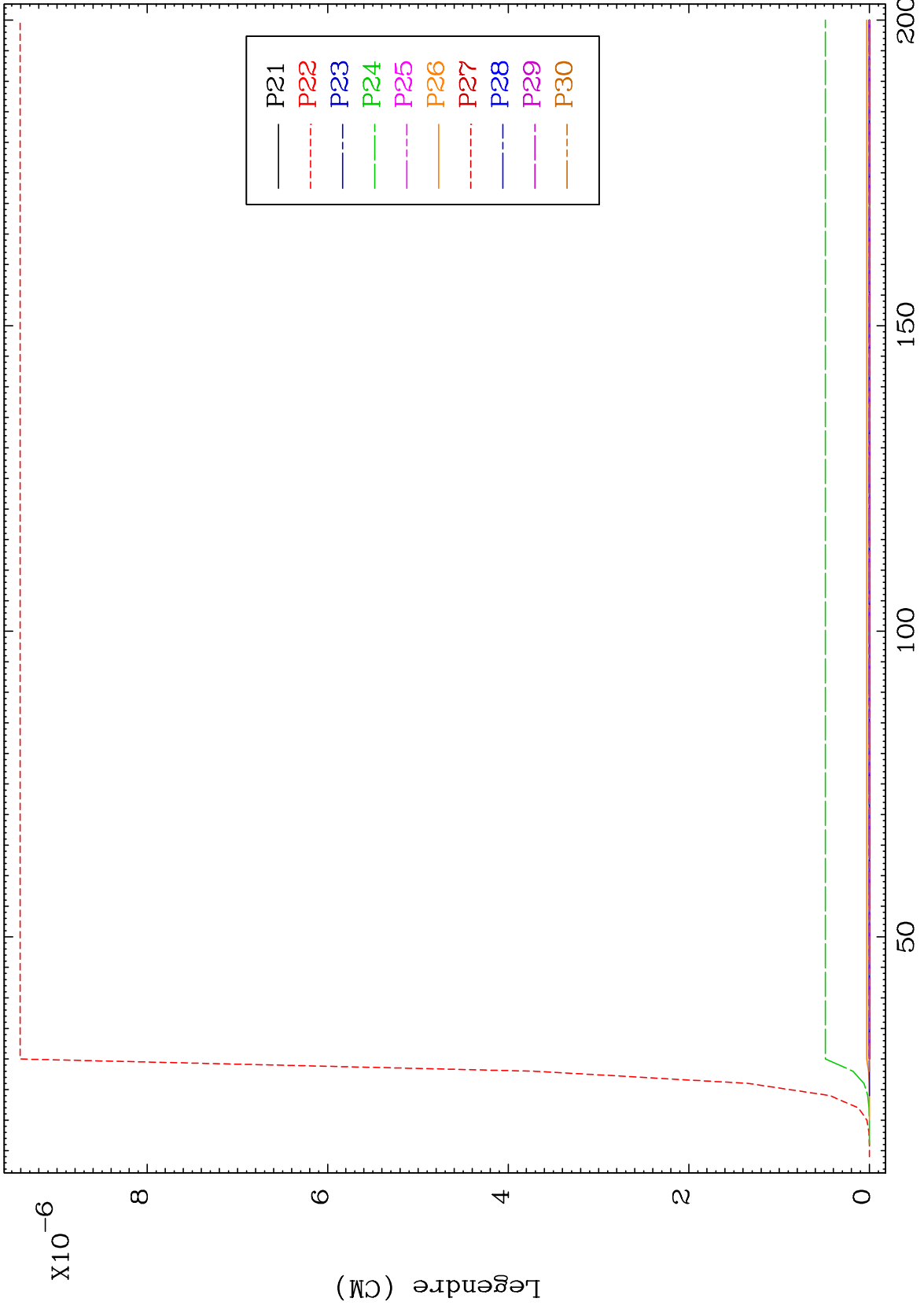
64-Gd-144

MAT 6401 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-144



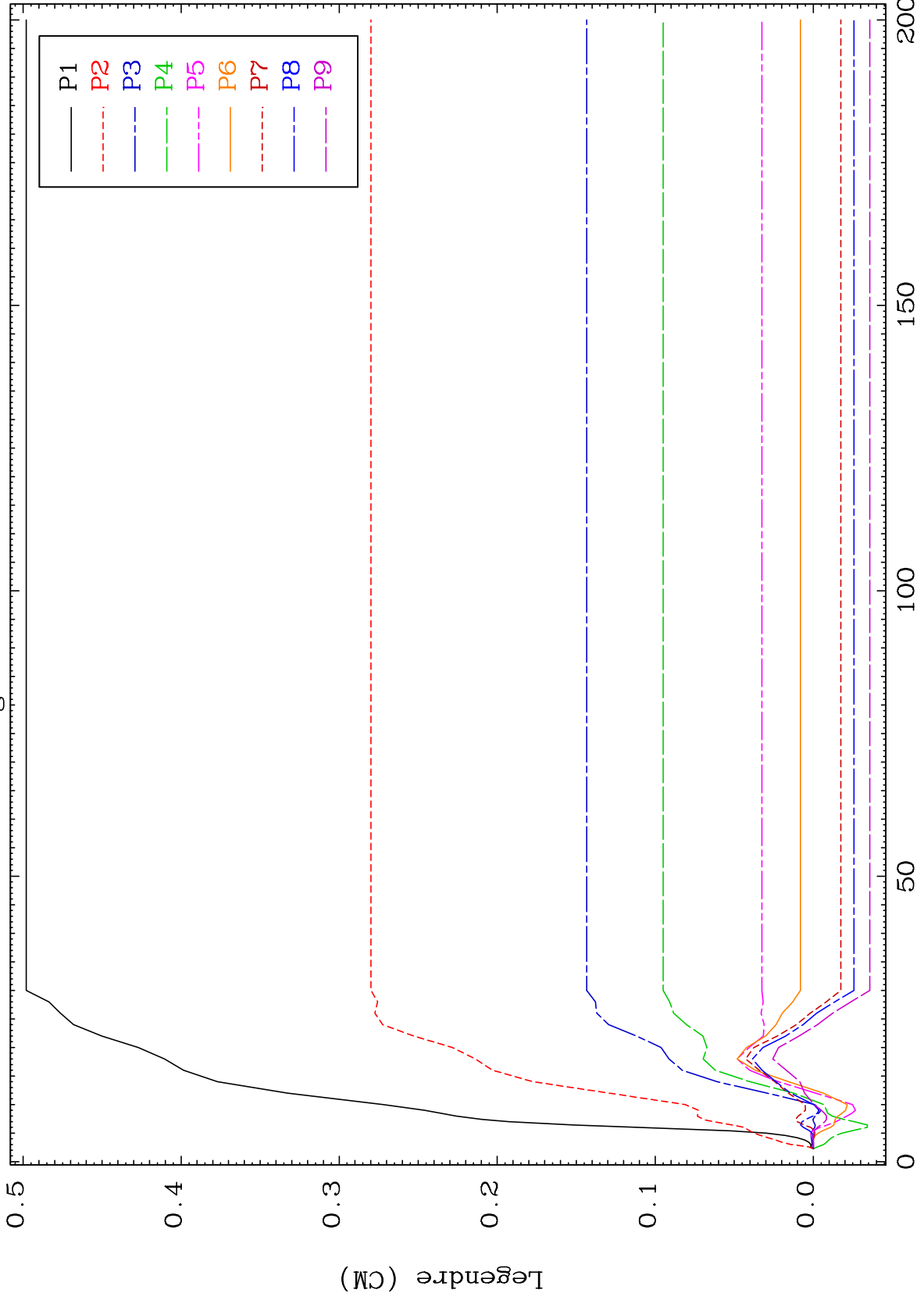
36 Incident Energy (MeV) 64-Gd-144

MAT 6401 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-144



37 Incident Energy (MeV) 64-Gd-144

MAT 6401 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-144

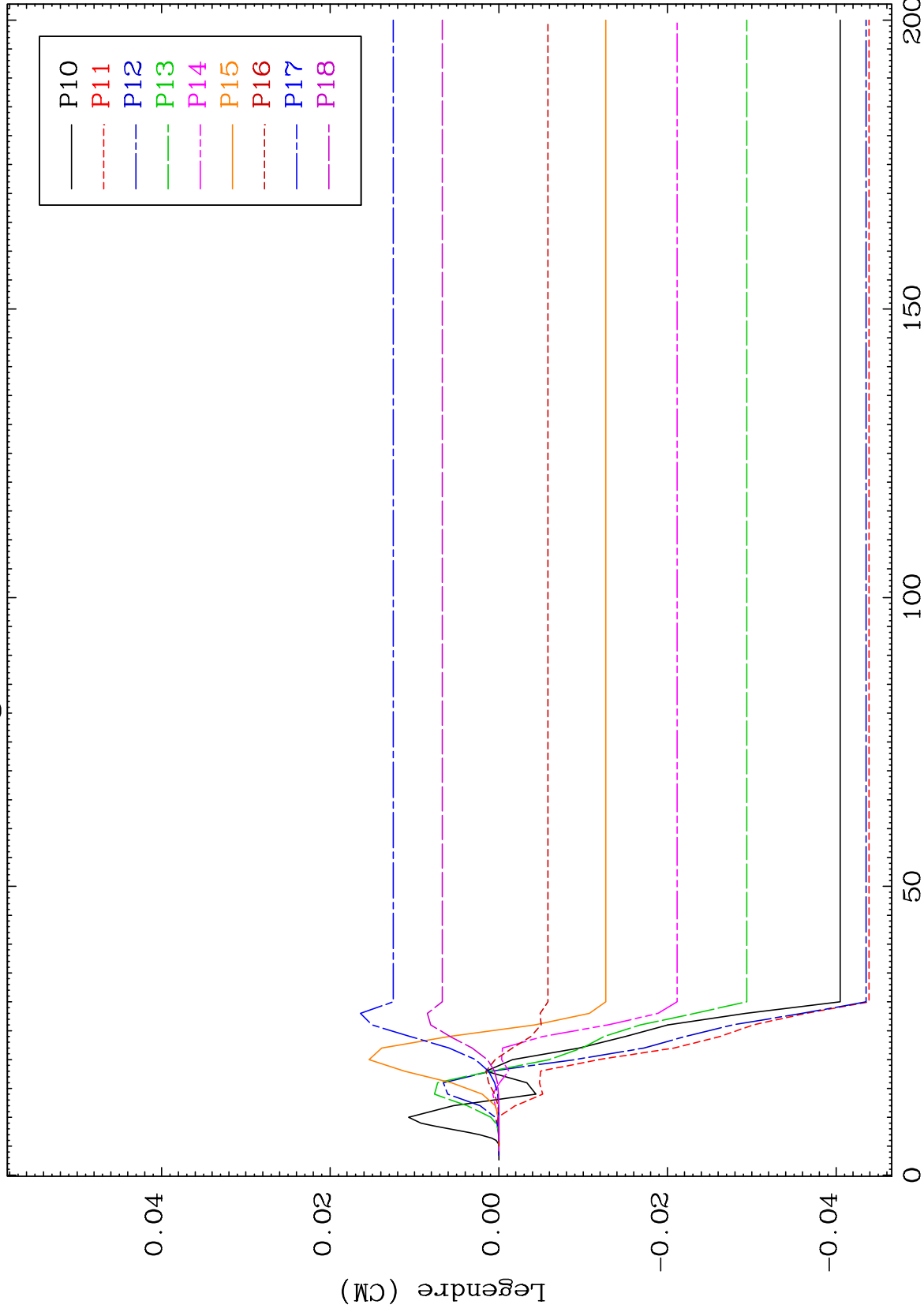


38 64-Gd-144

MAT 6401

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

64-Gd-144



39

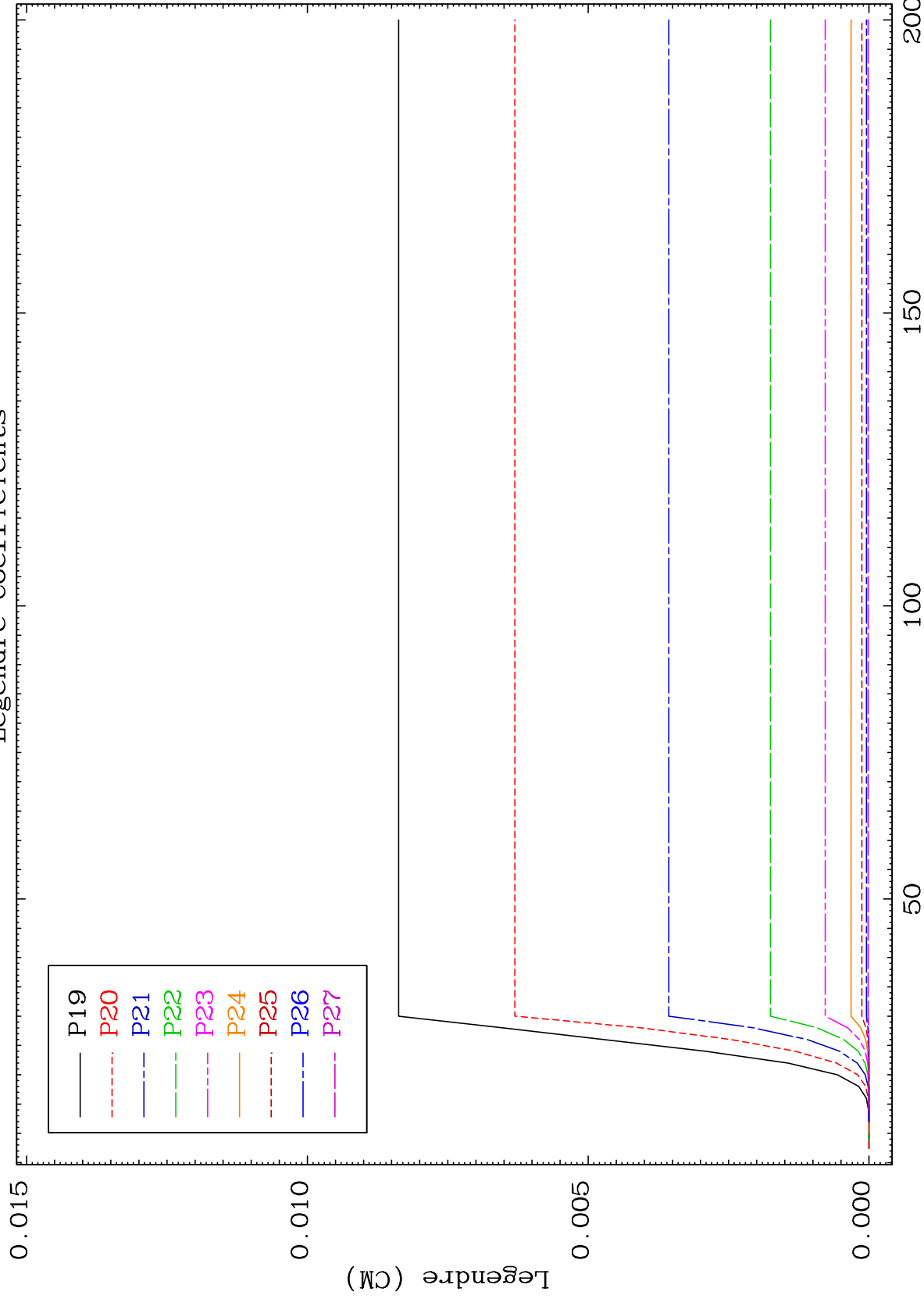
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



40

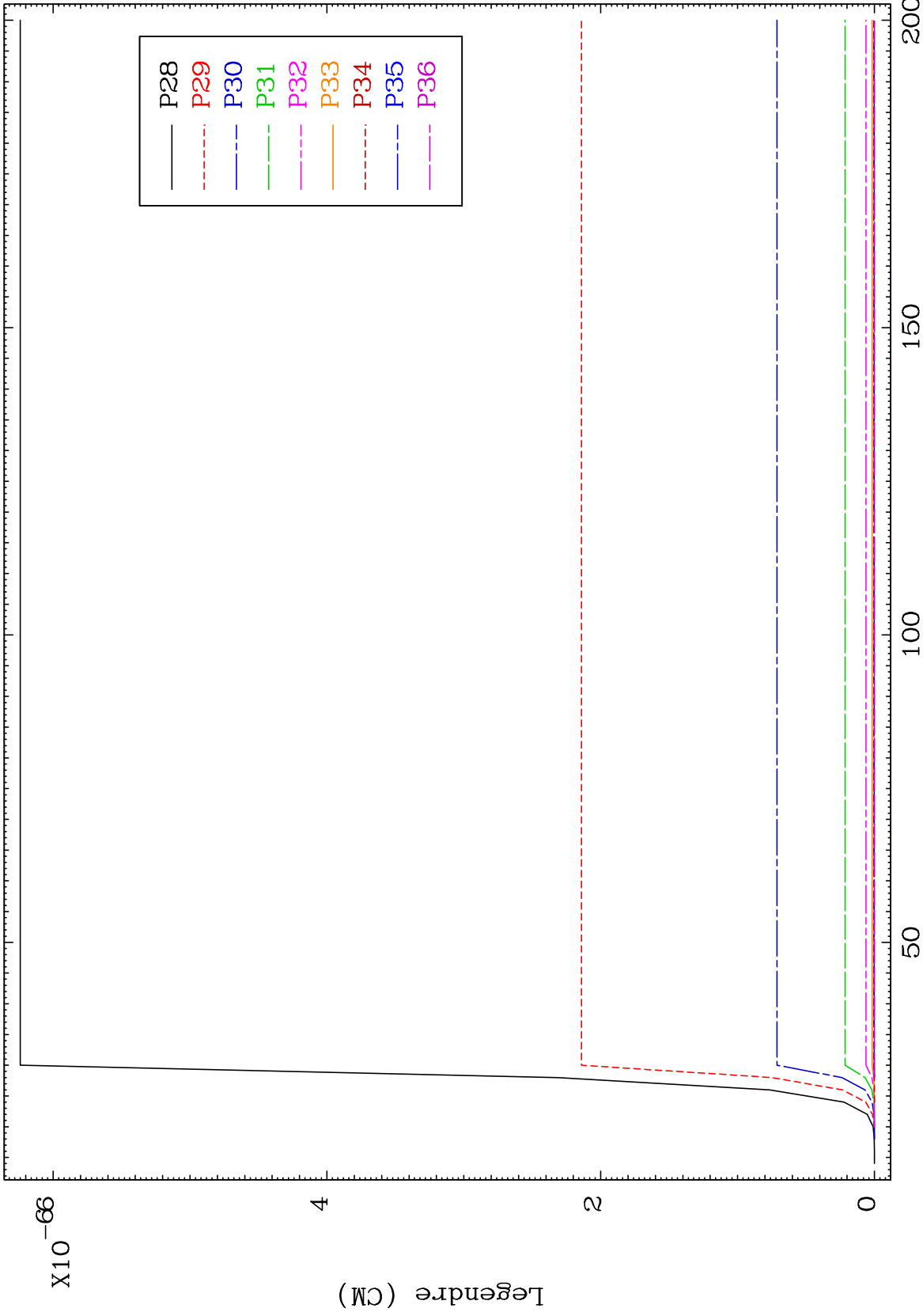
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



41

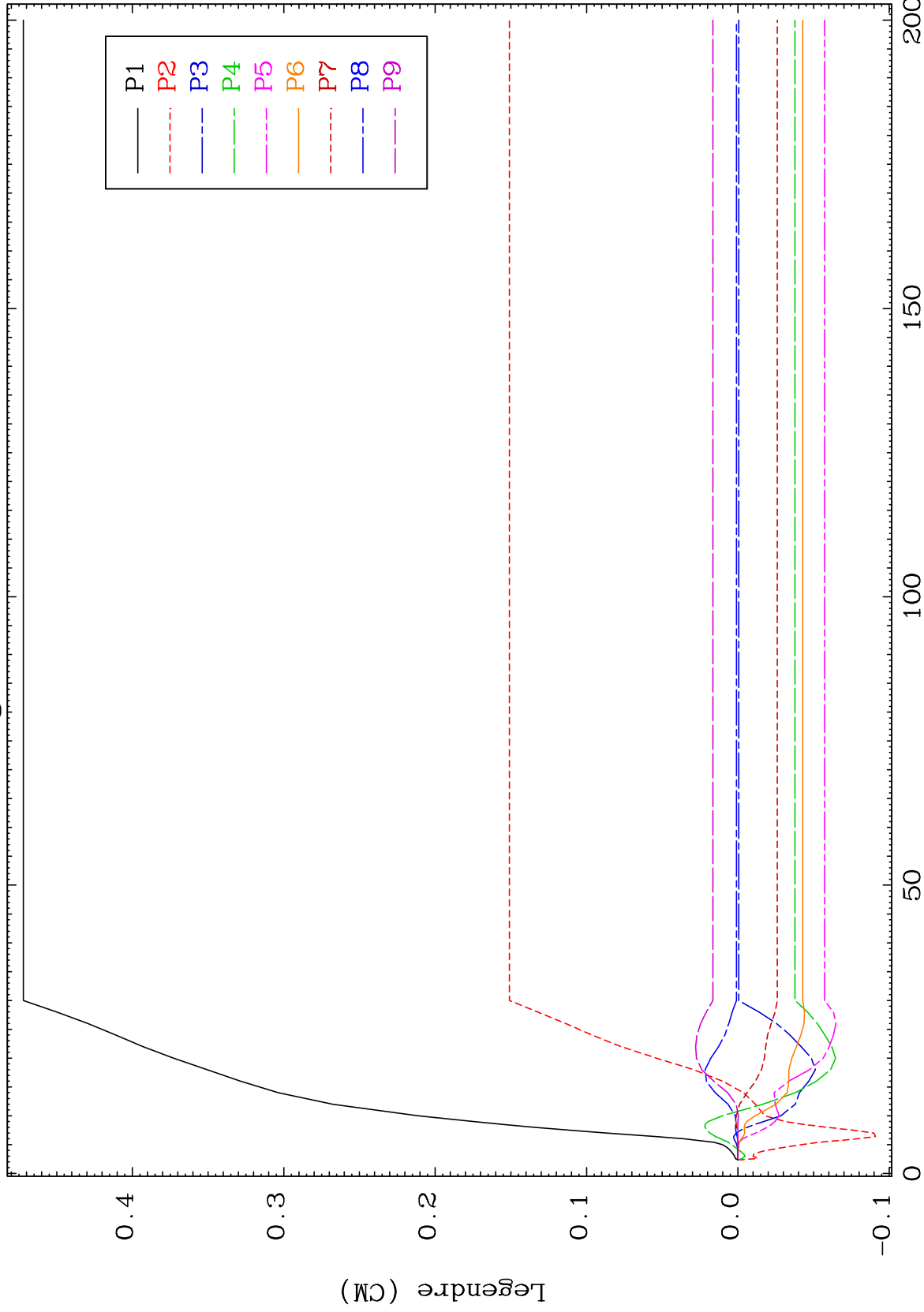
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



42

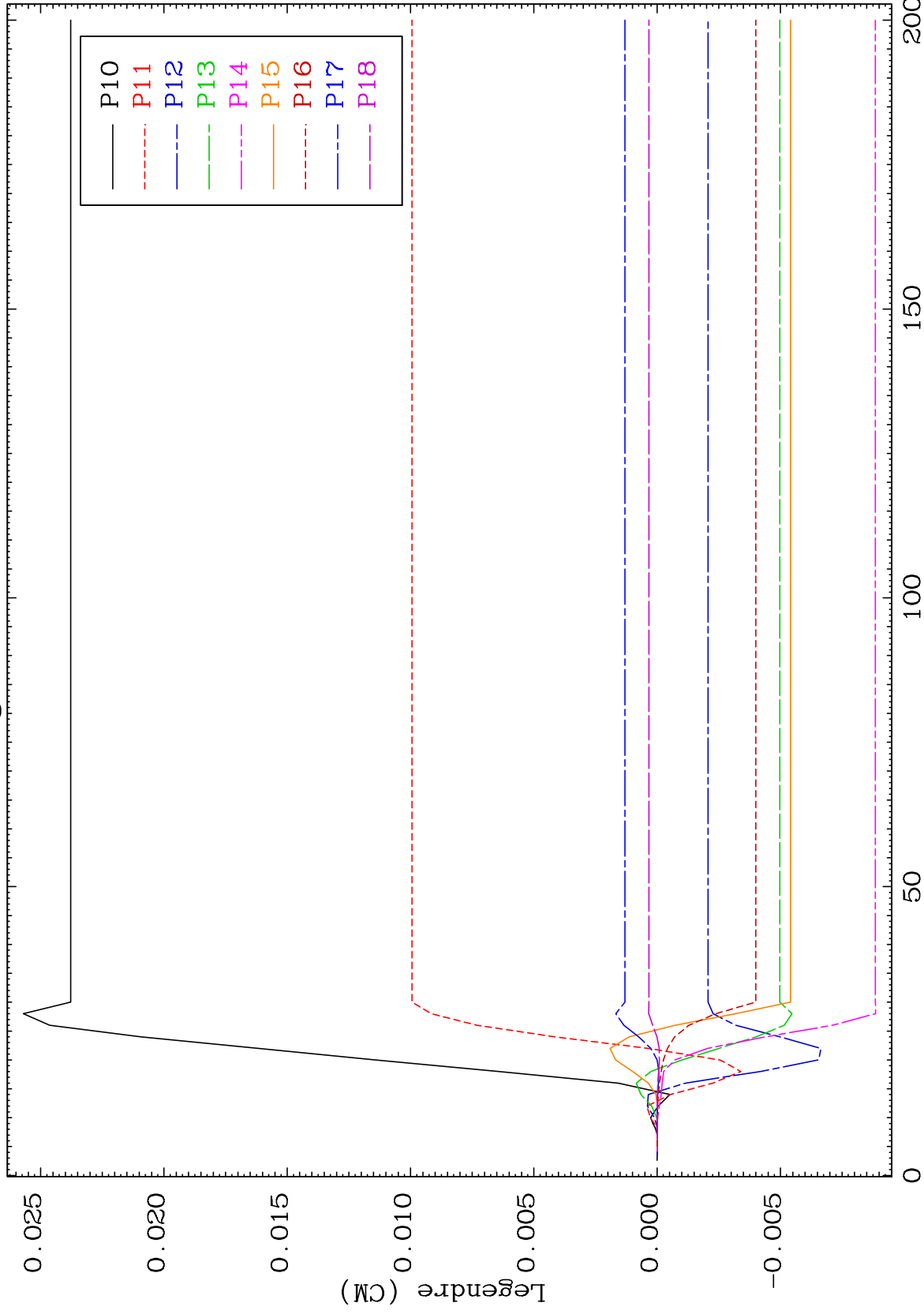
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



43

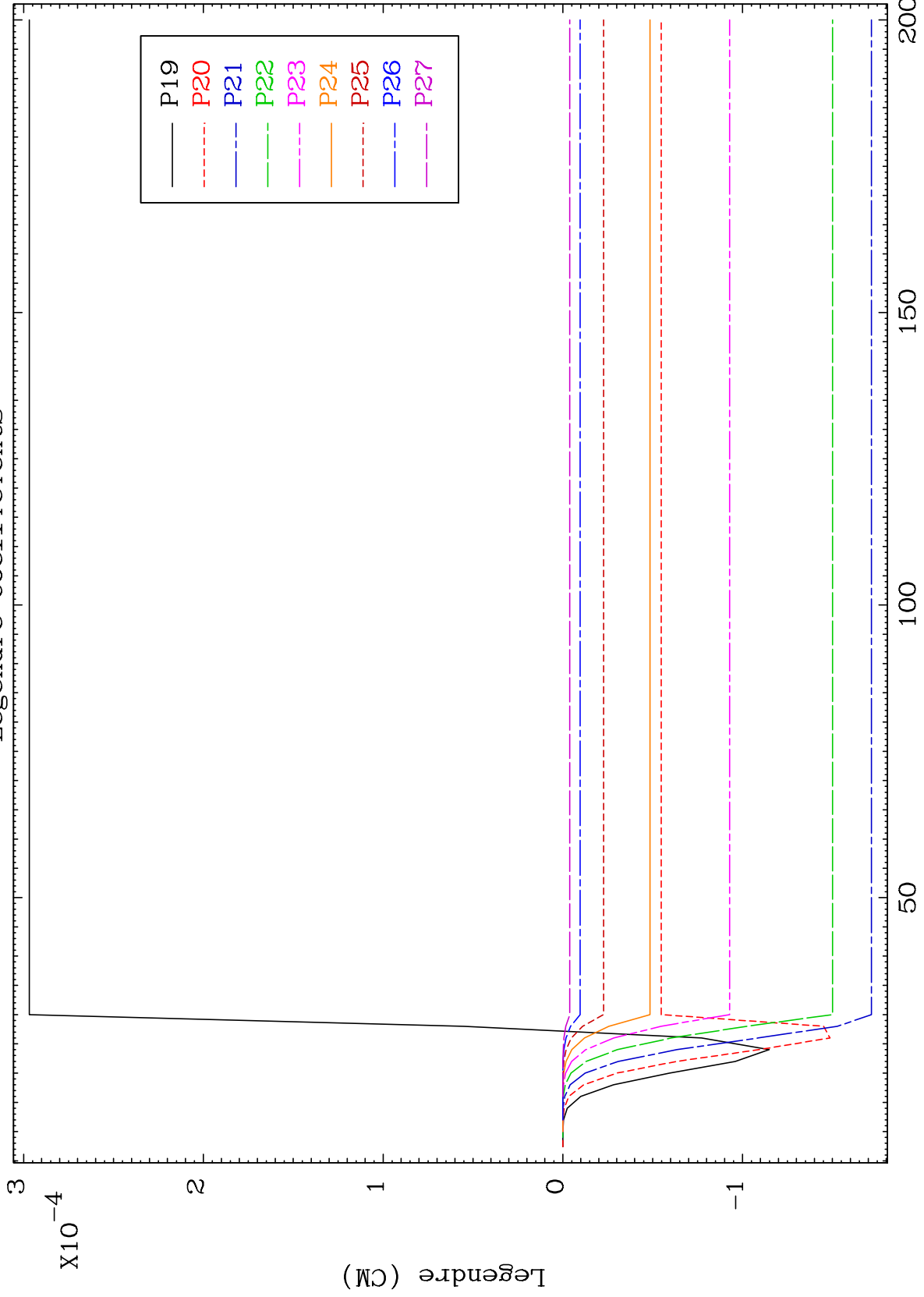
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



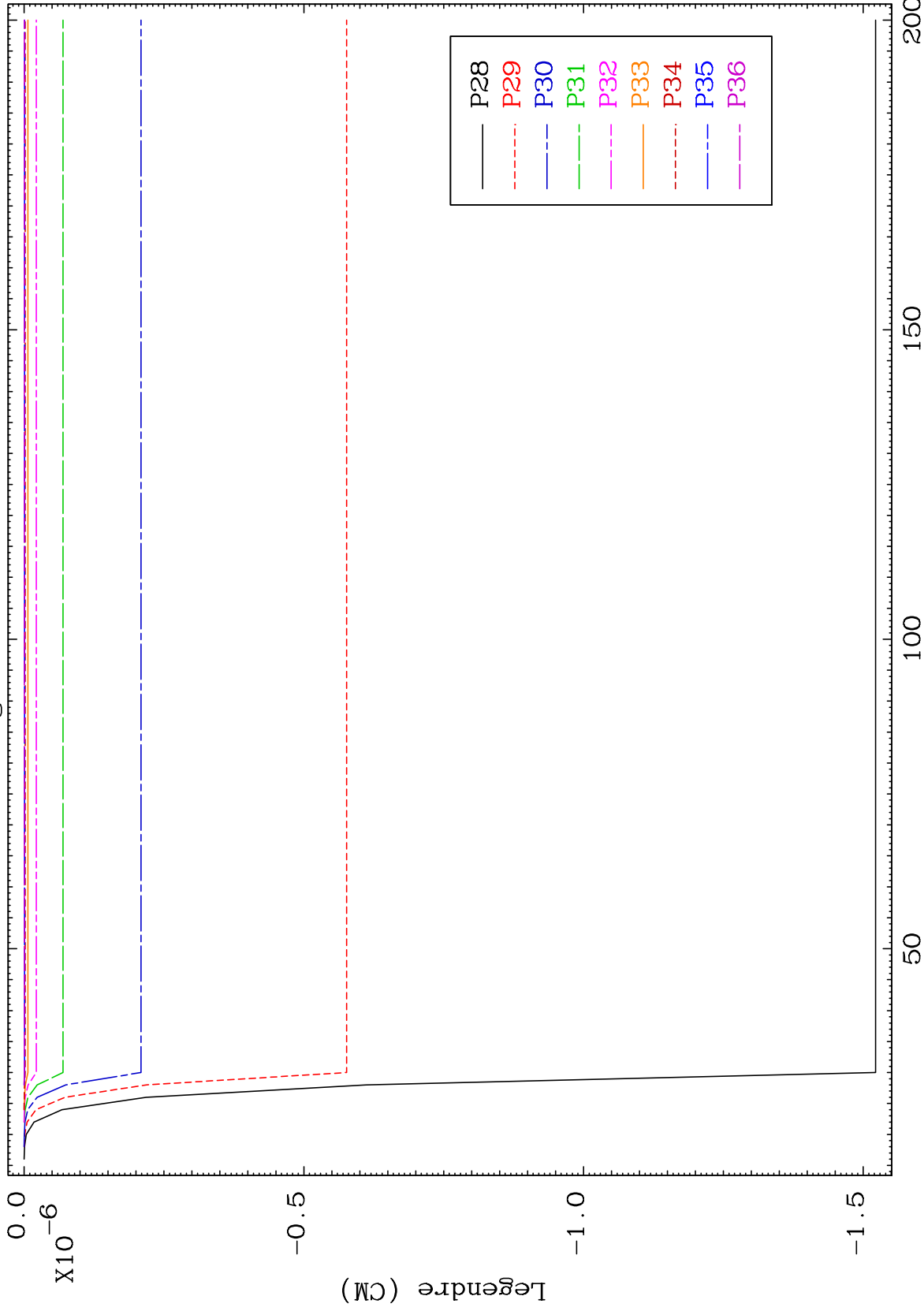
44

64-Gd-144

MAT 6401

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

64-Gd-144



64-Gd-144

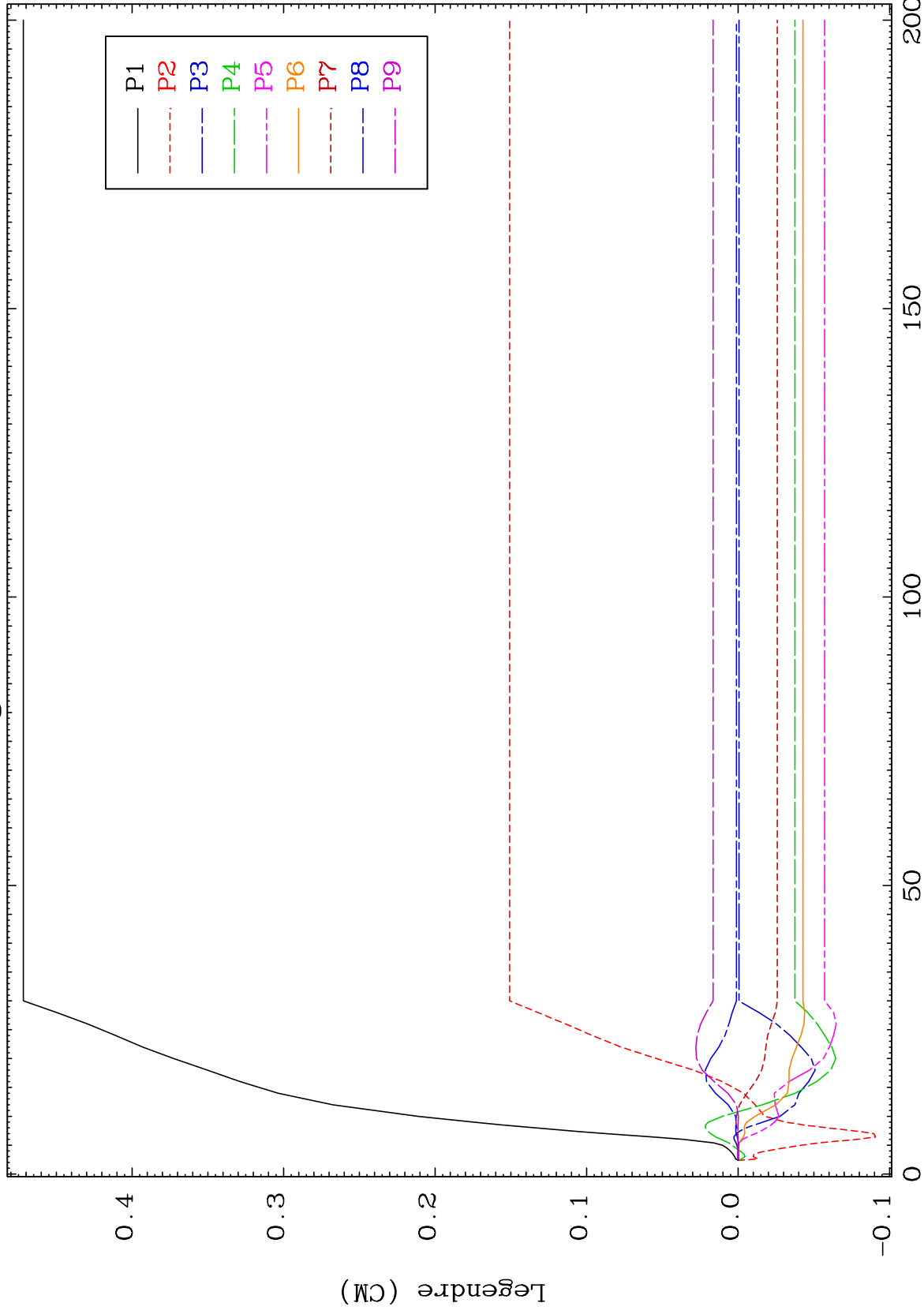
Incident Energy (MeV)

45

MAT 6401

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

64-Gd-144



46

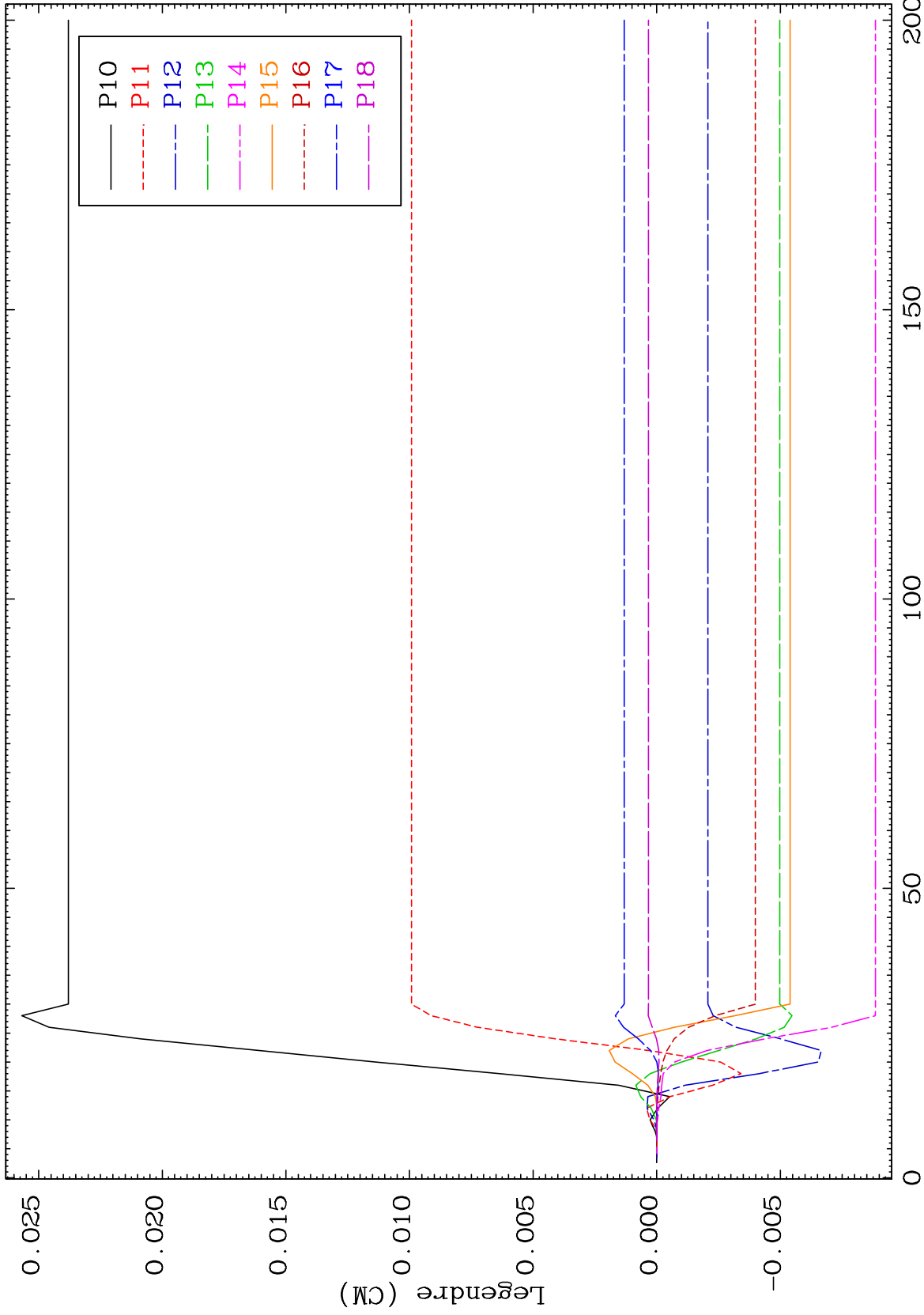
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



47

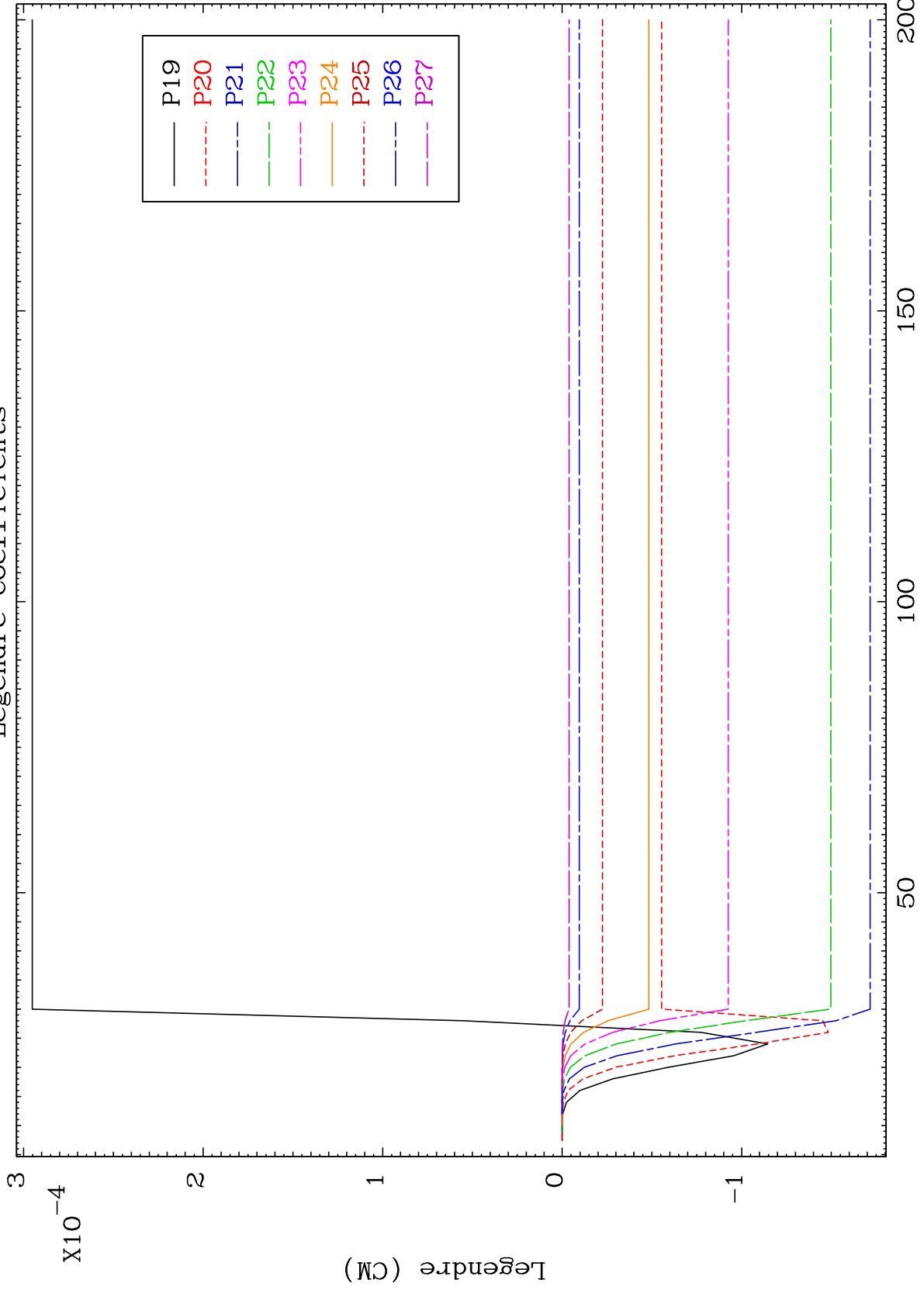
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



48

Incident Energy (MeV)

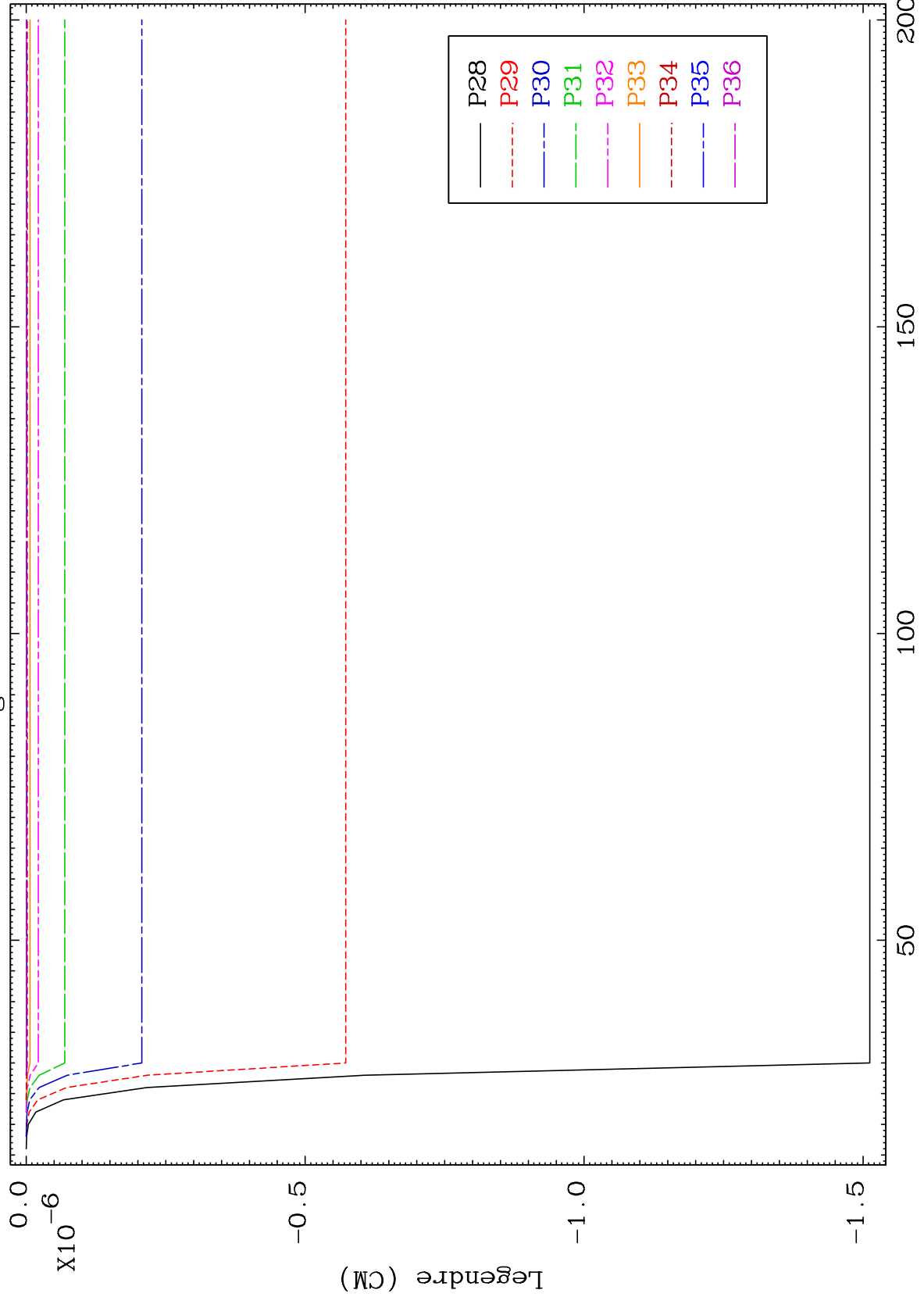
64-Gd-144

MAT 6401

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

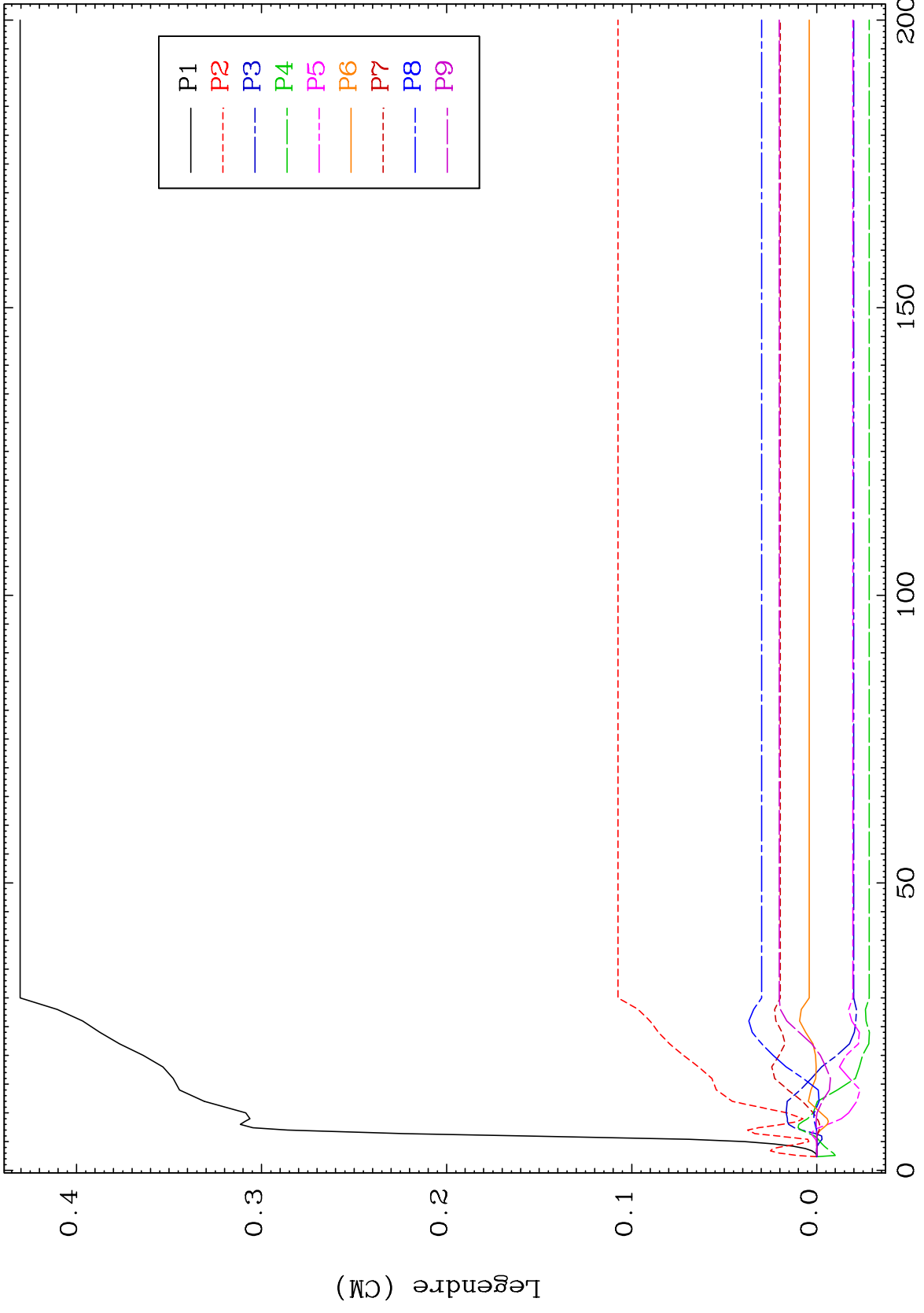
64-Gd-144

64-Gd-144



49

MAT 6401 MT= 59 (n,n') Level Legendre Coefficients 64-Gd-144

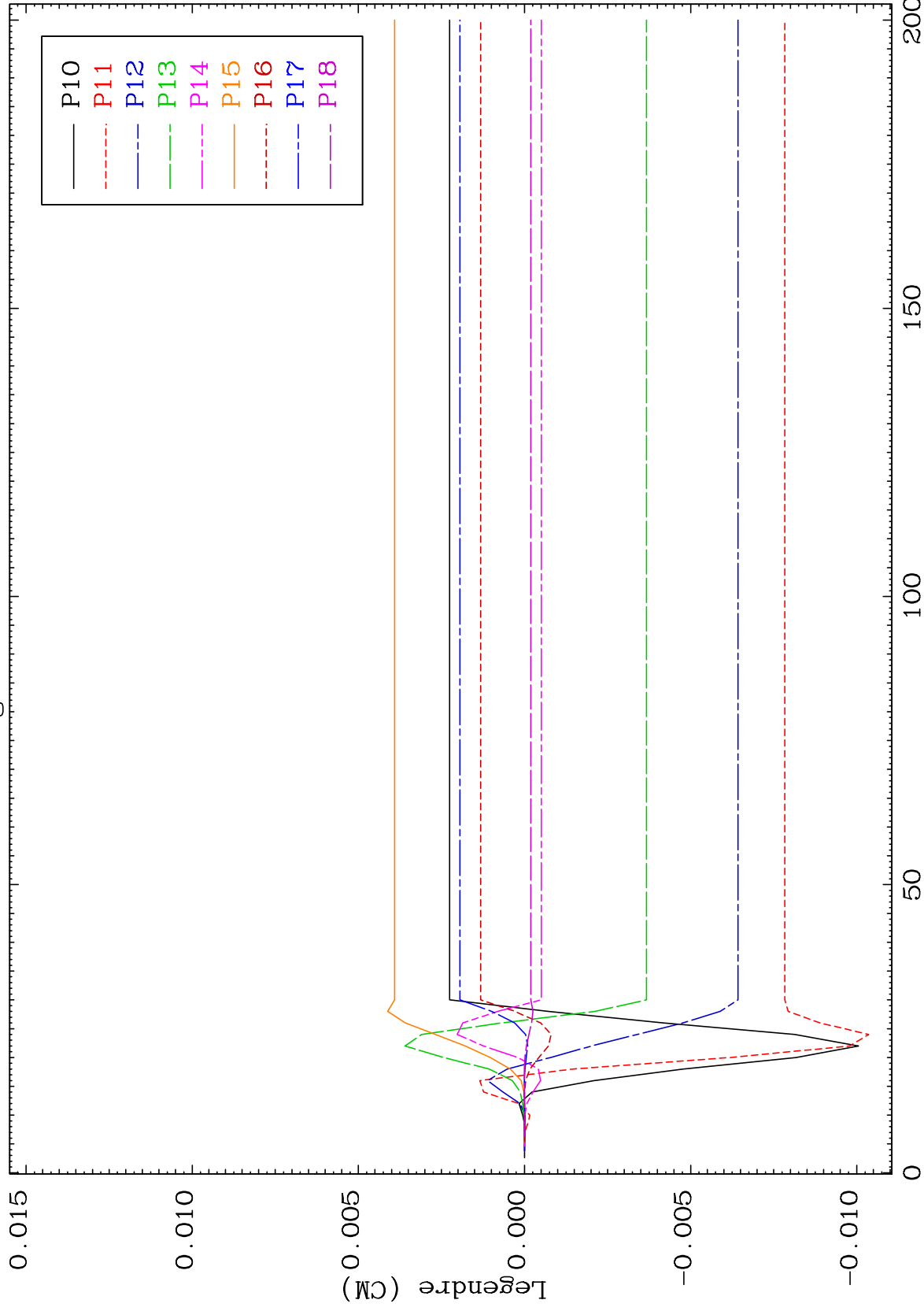


64-Gd-144

MAT 6401

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

64-Gd-144



51

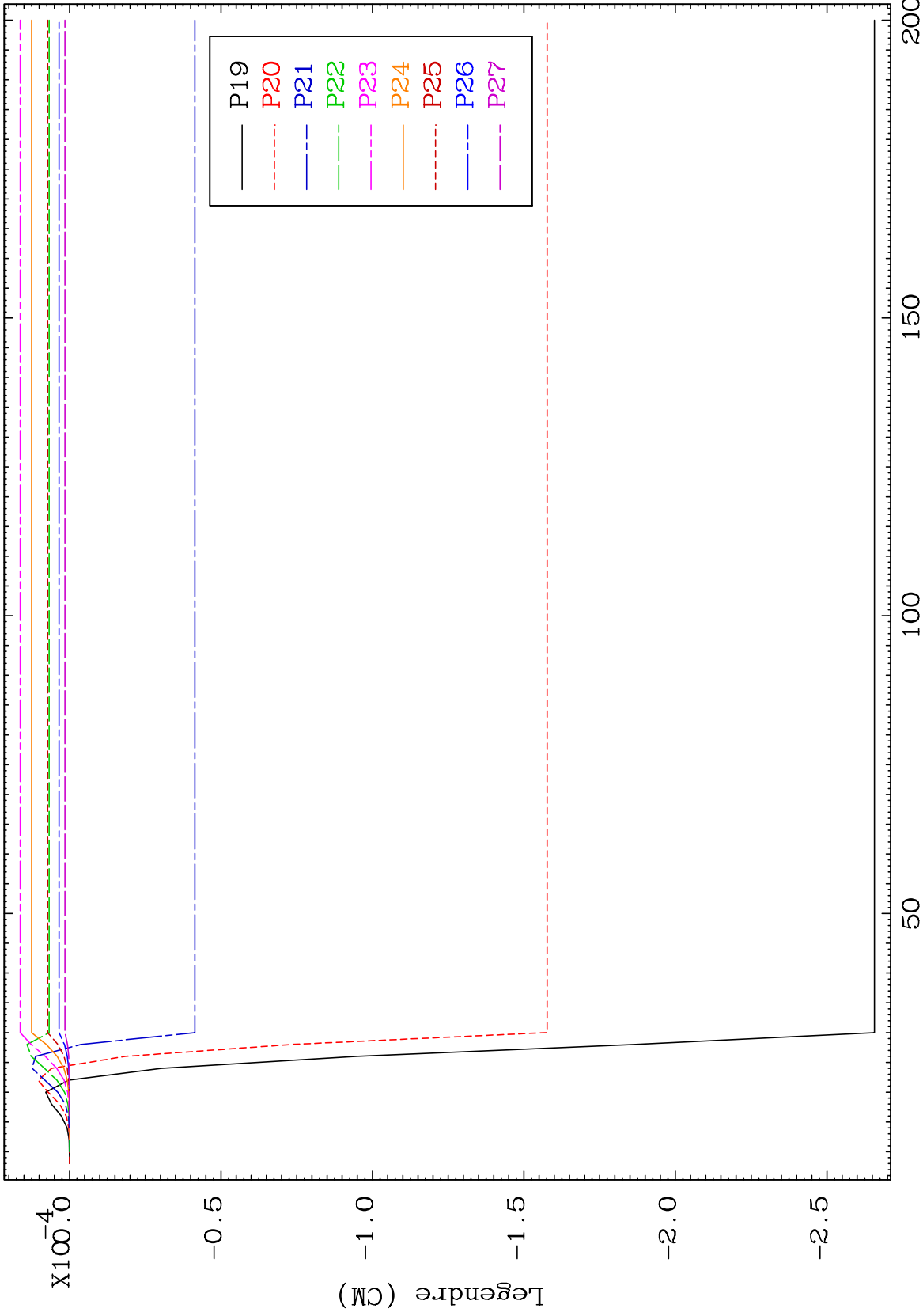
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



52

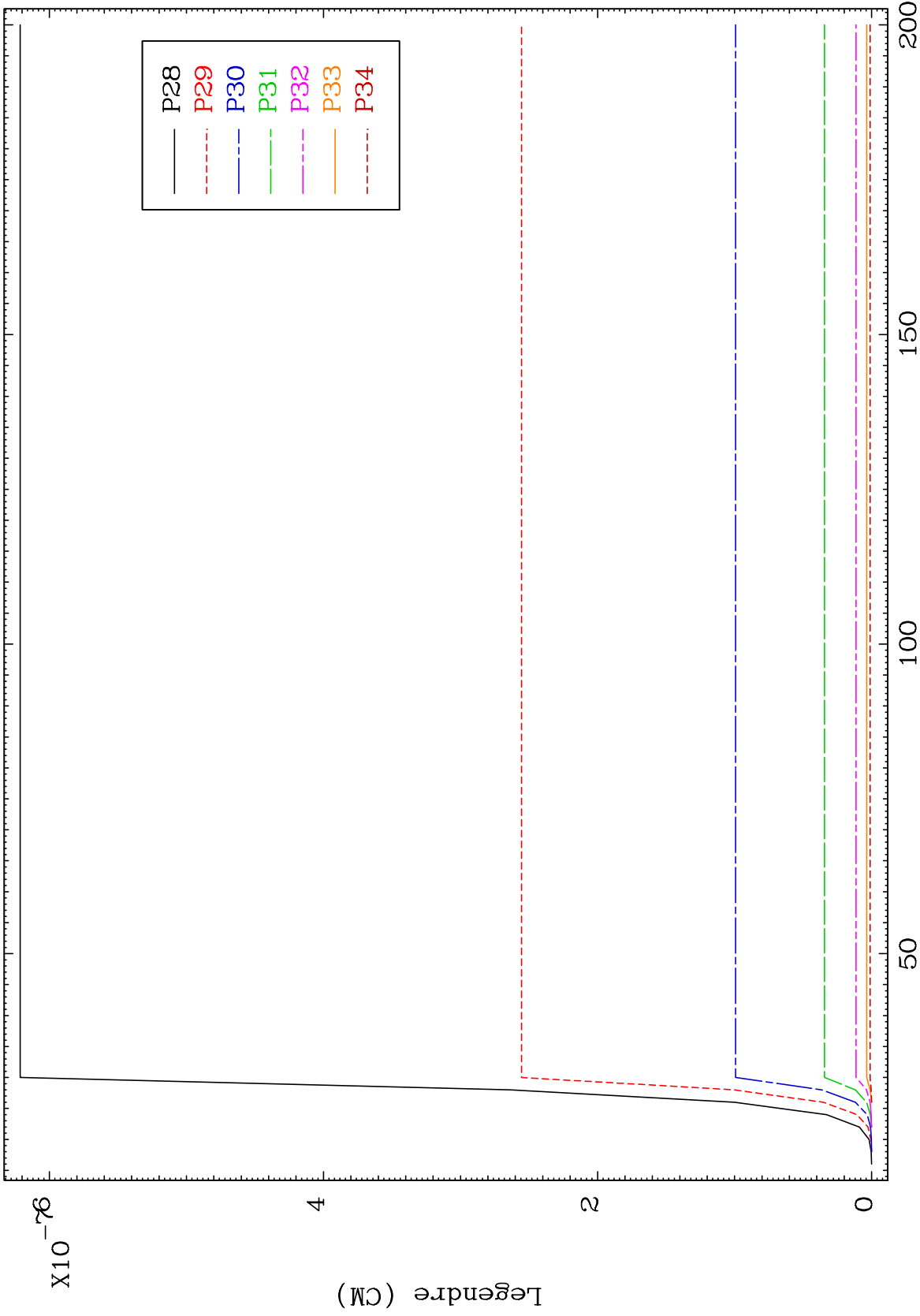
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



53

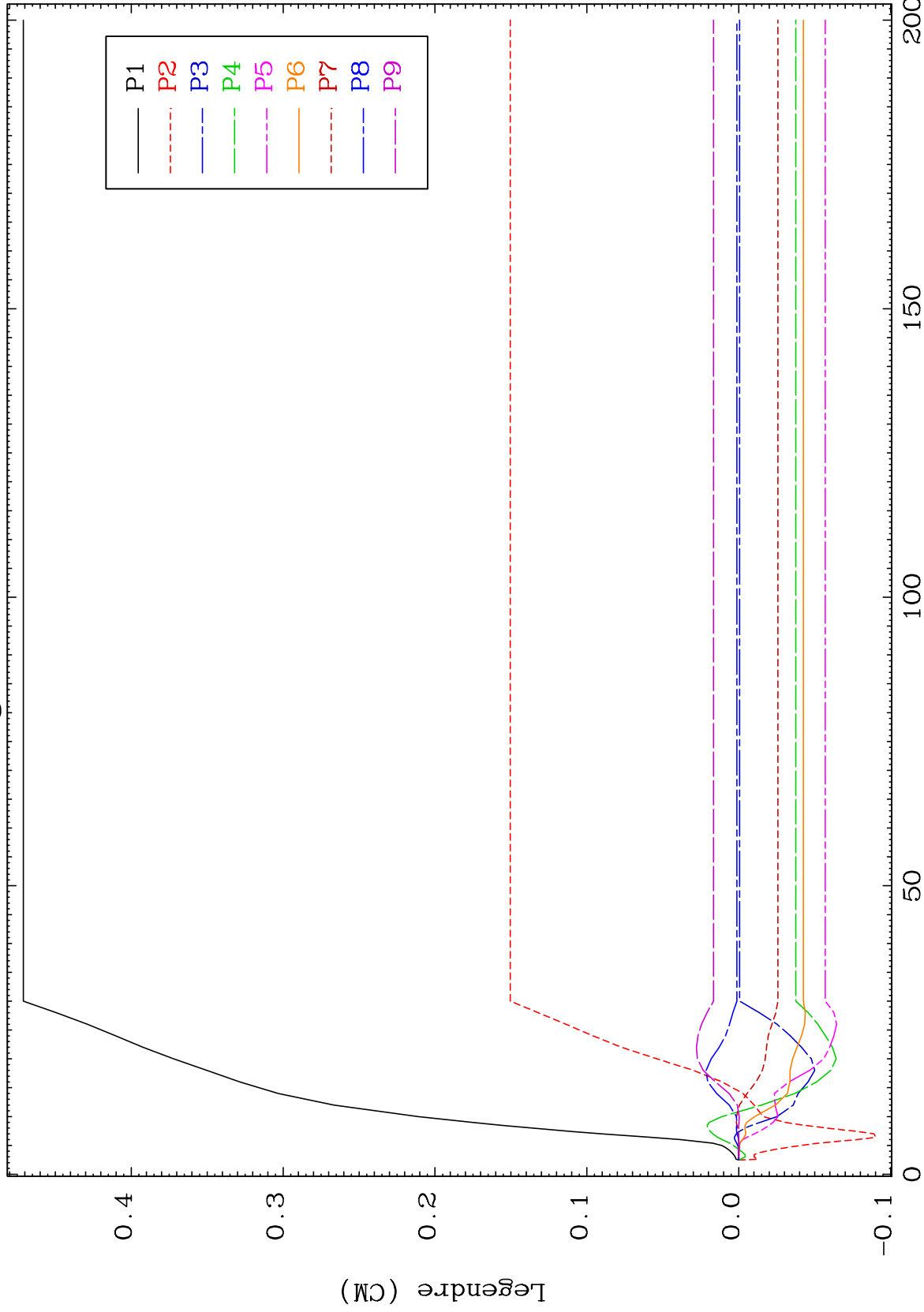
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



54

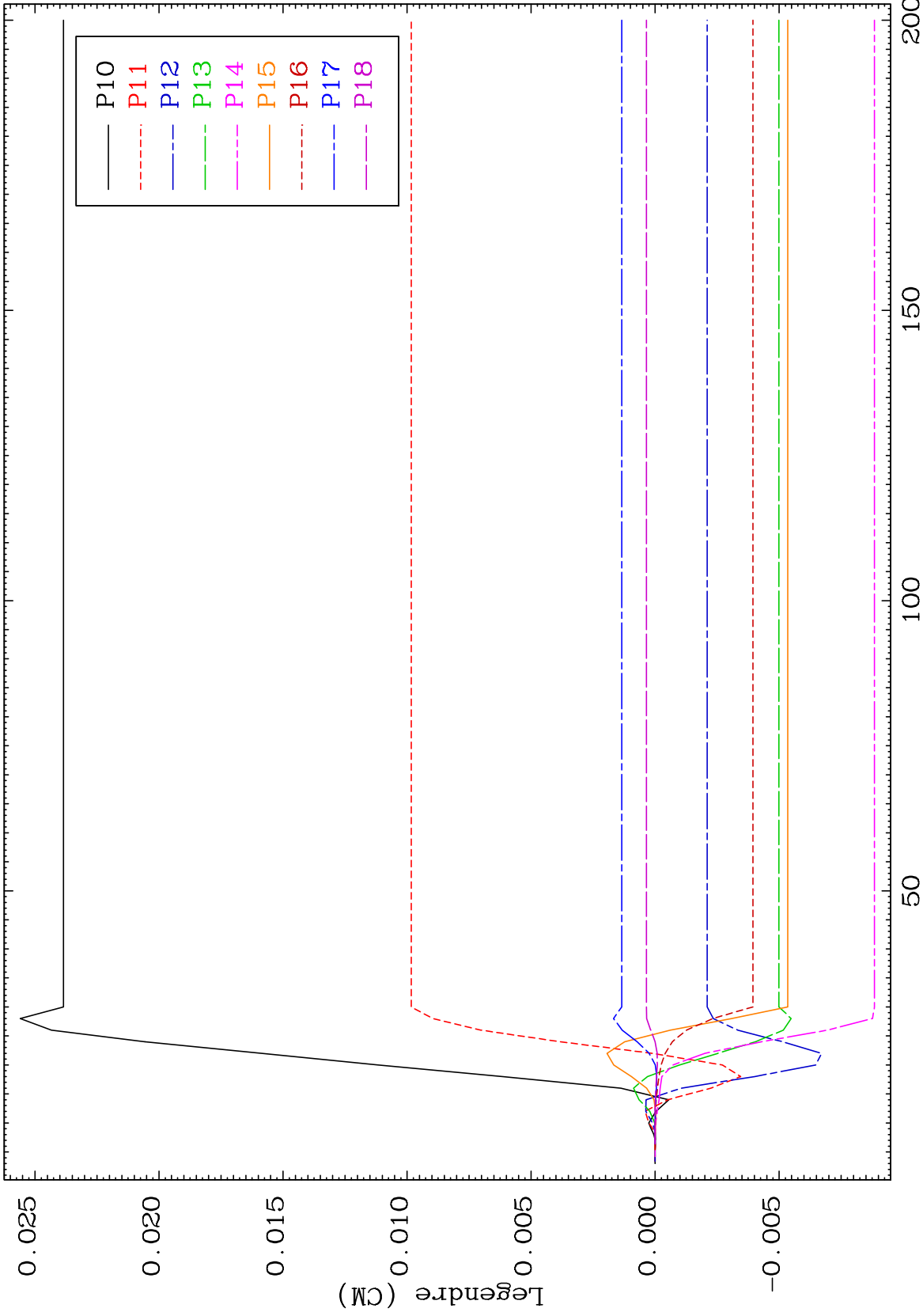
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



55

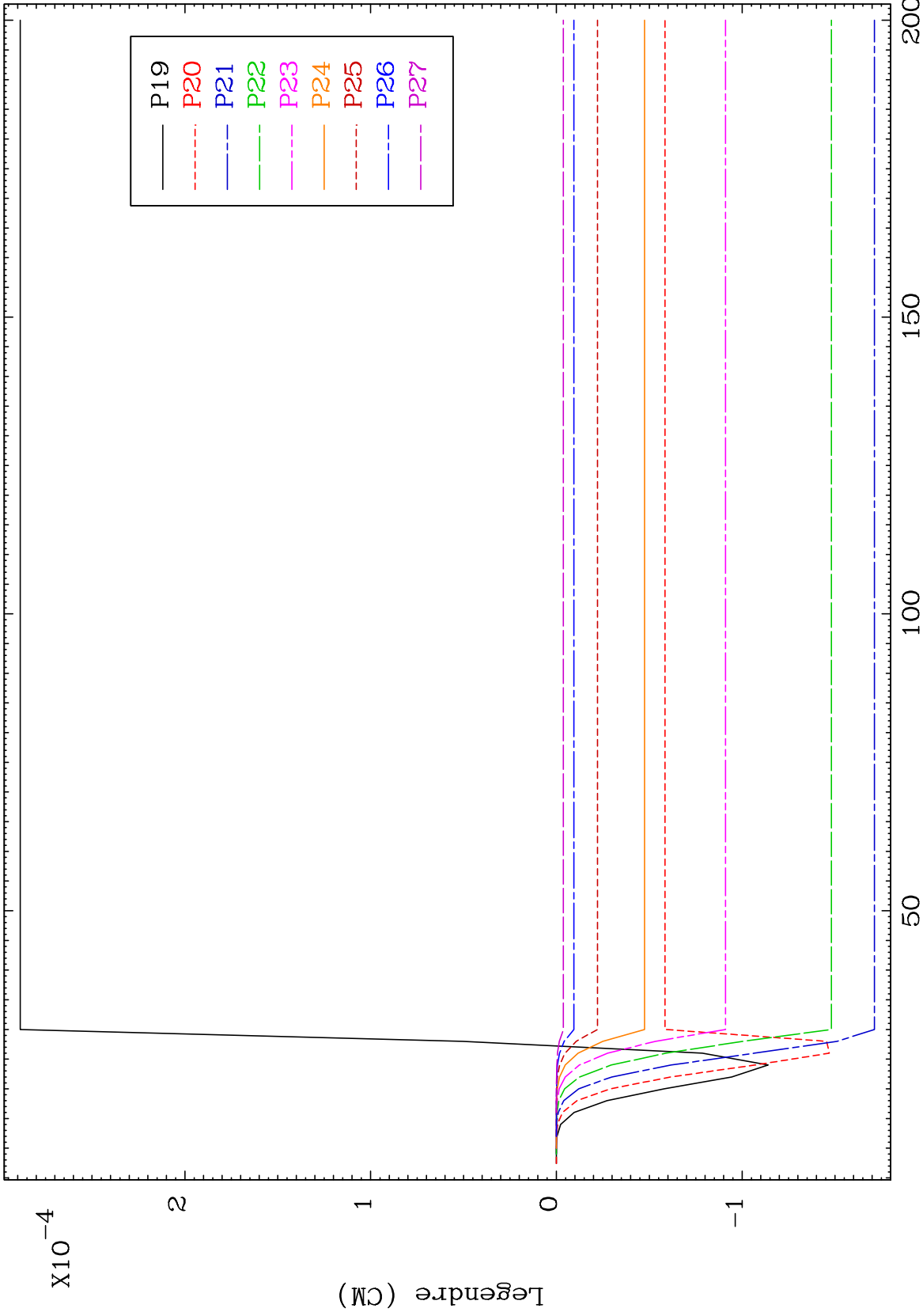
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

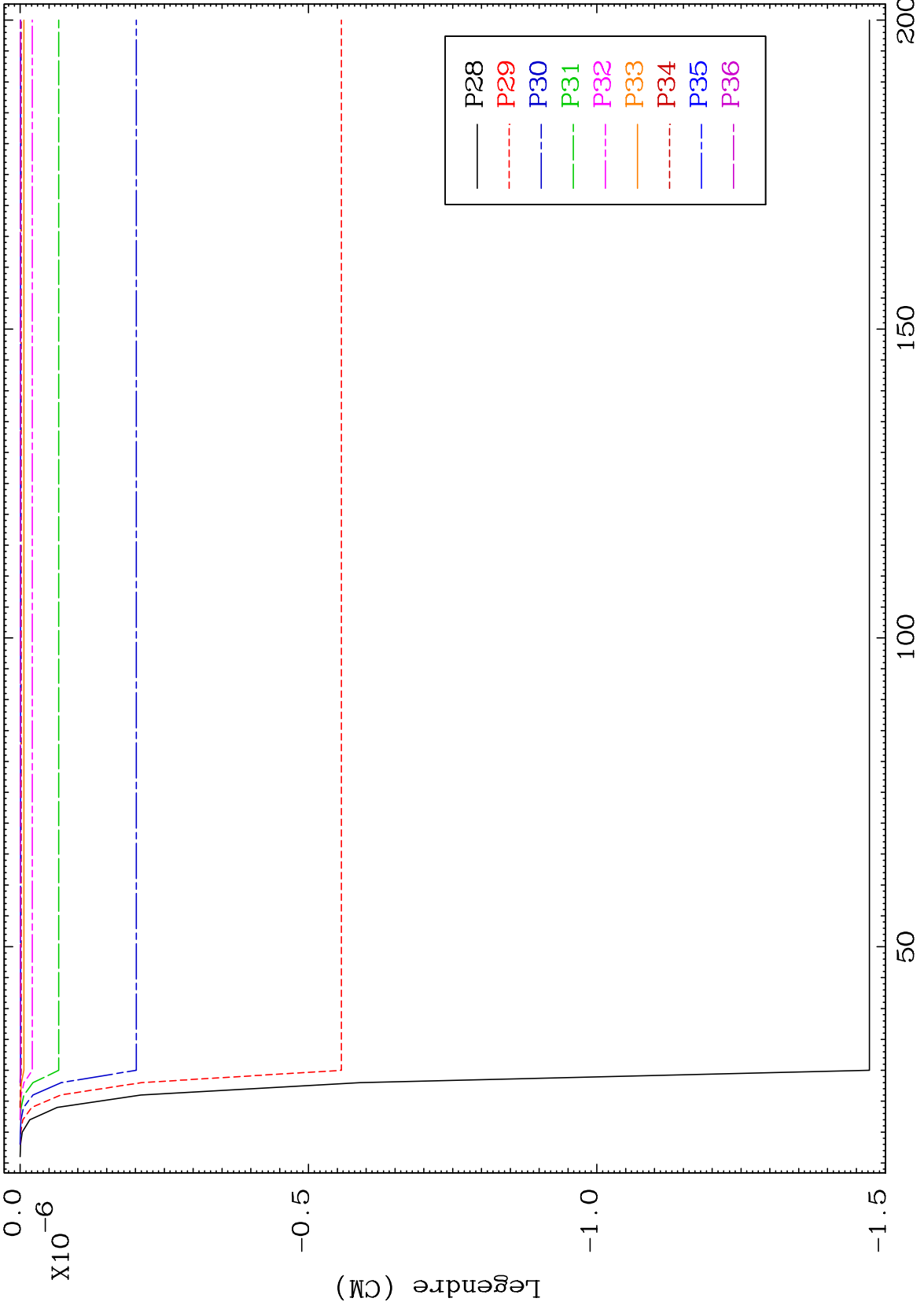
64-Gd-144



56

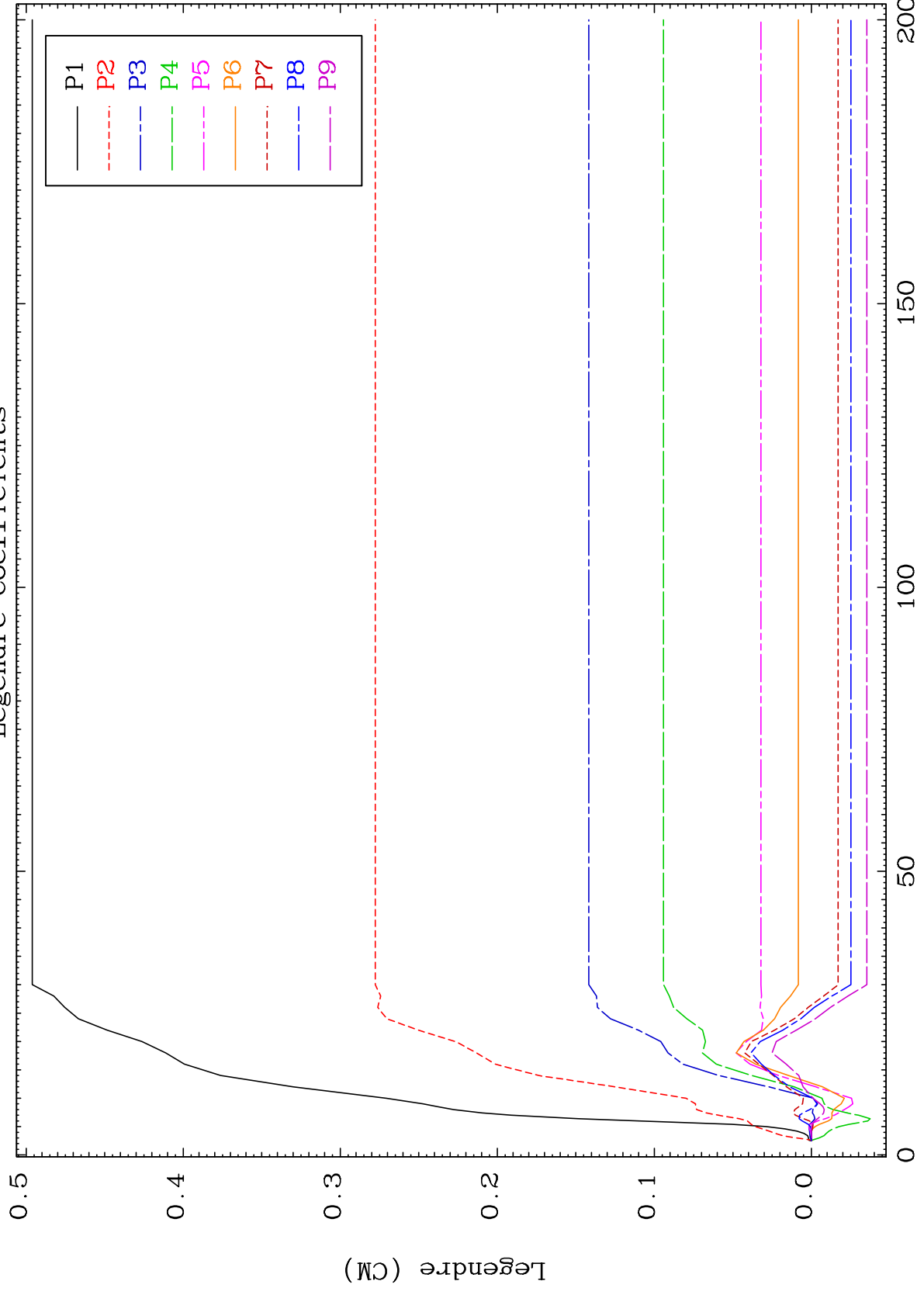
64-Gd-144

MAT 6401 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-144



57 64-Gd-144

MAT 6401 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-144

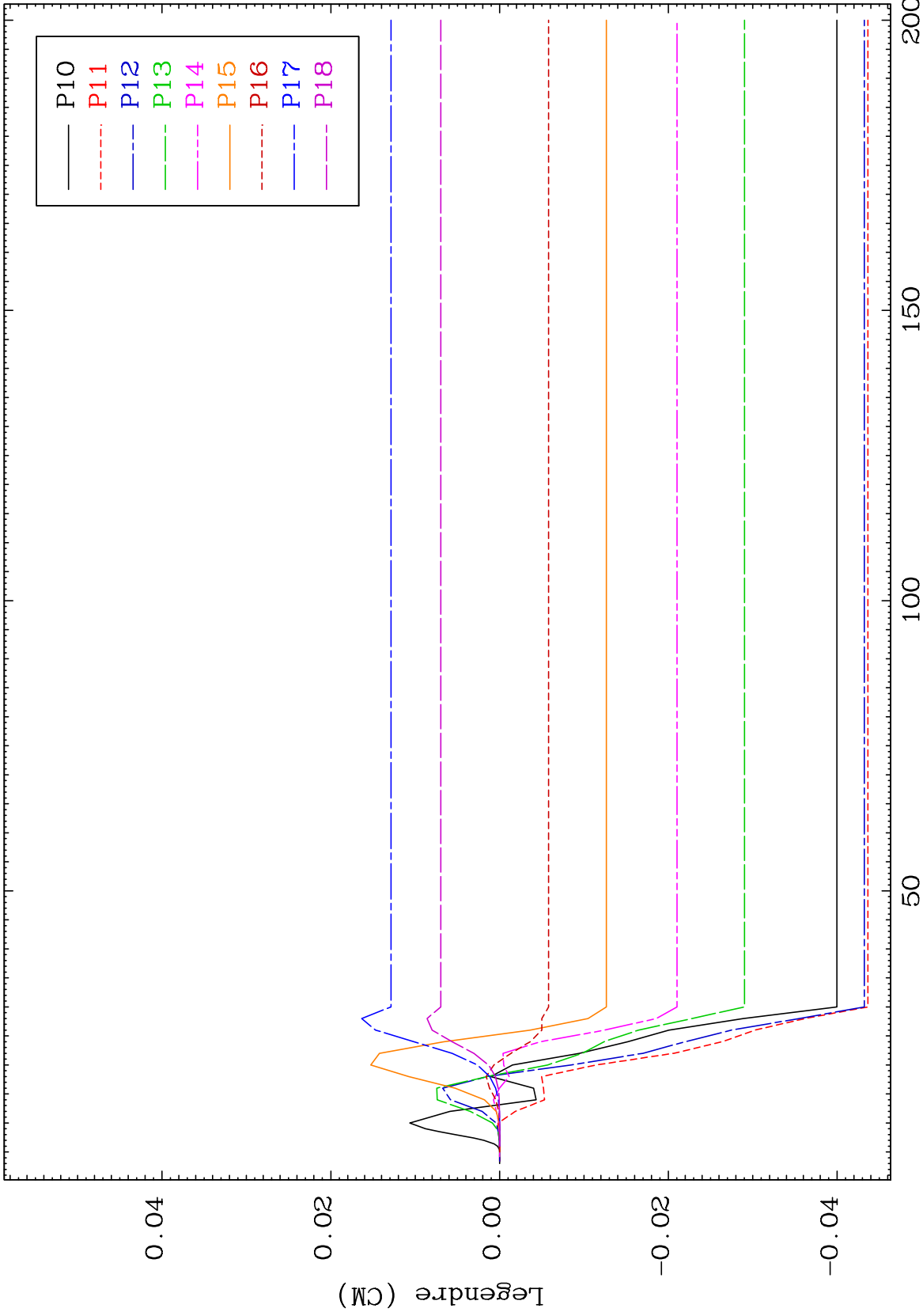


58 64-Gd-144

MAT 6401

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

64-Gd-144



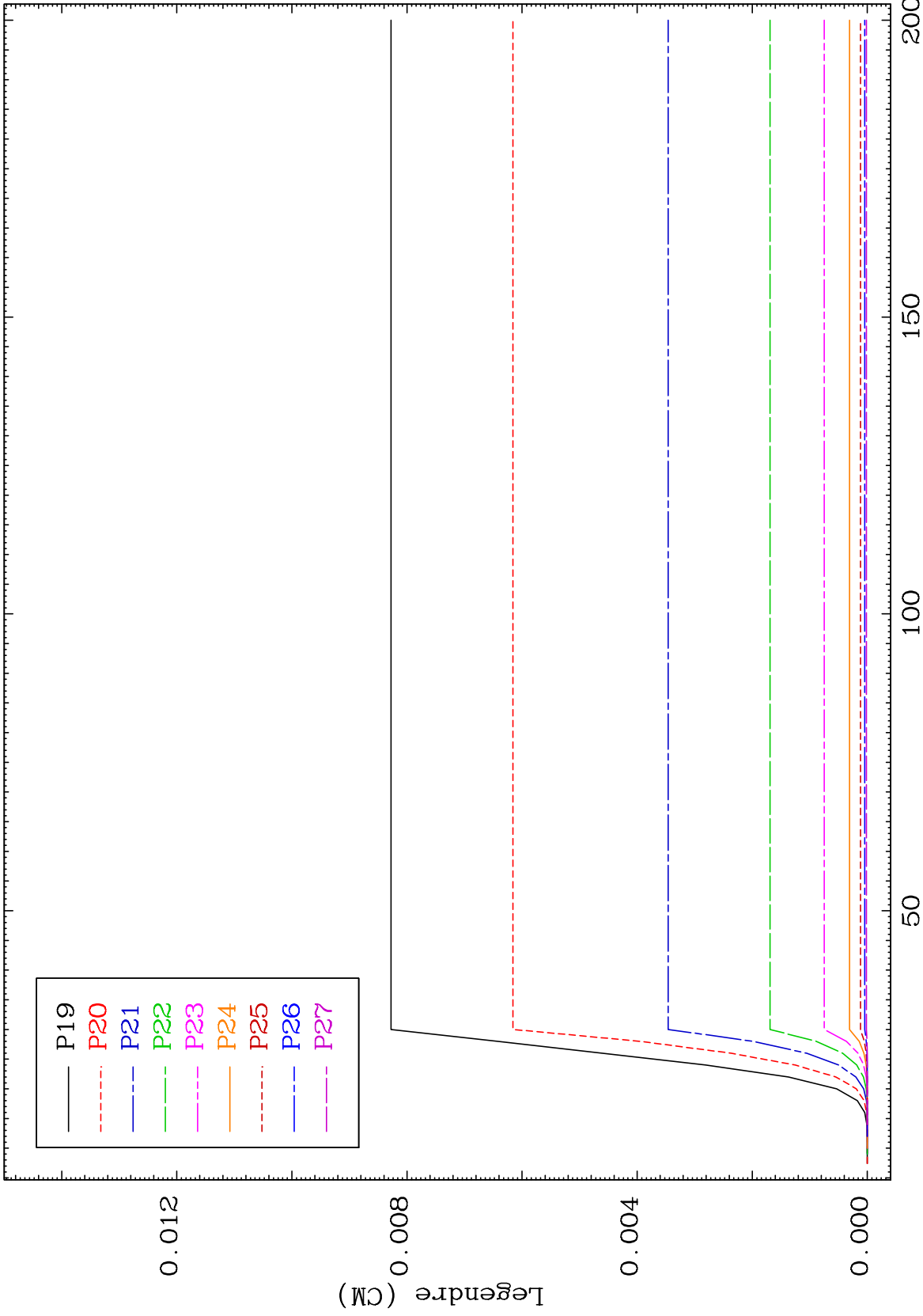
59

64-Gd-144

MAT 6401

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

64-Gd-144



60

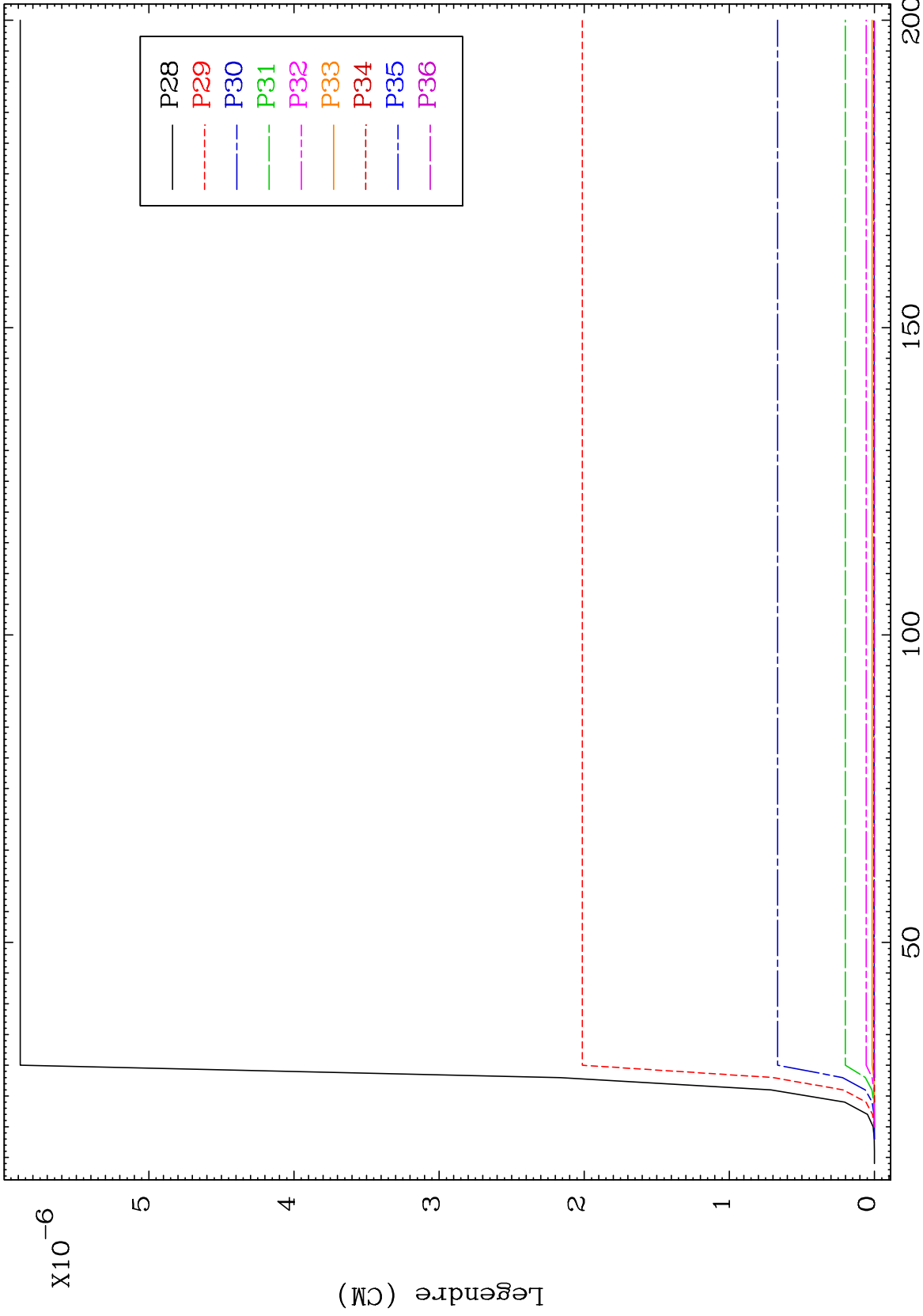
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

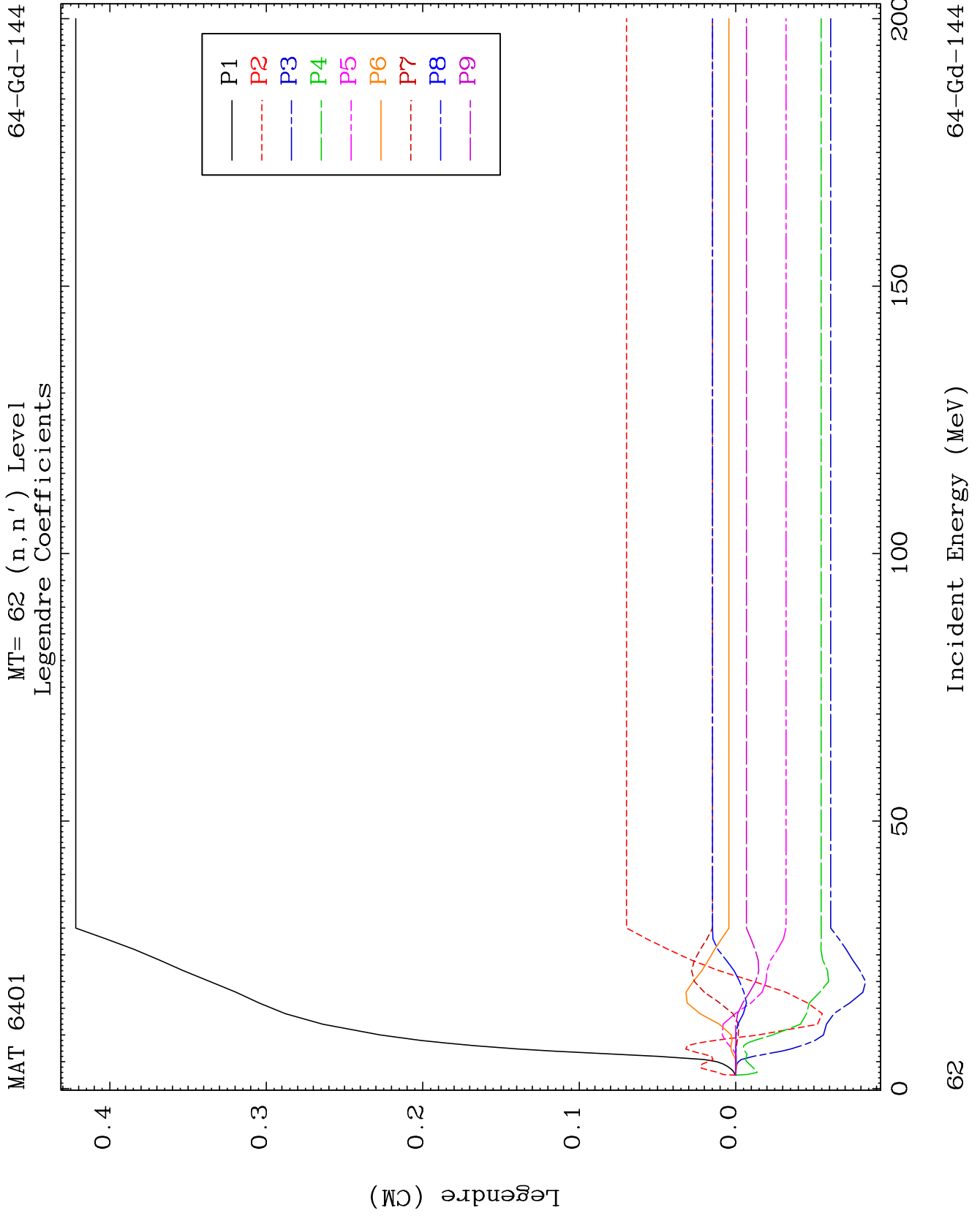
64-Gd-144



61

Incident Energy (MeV)

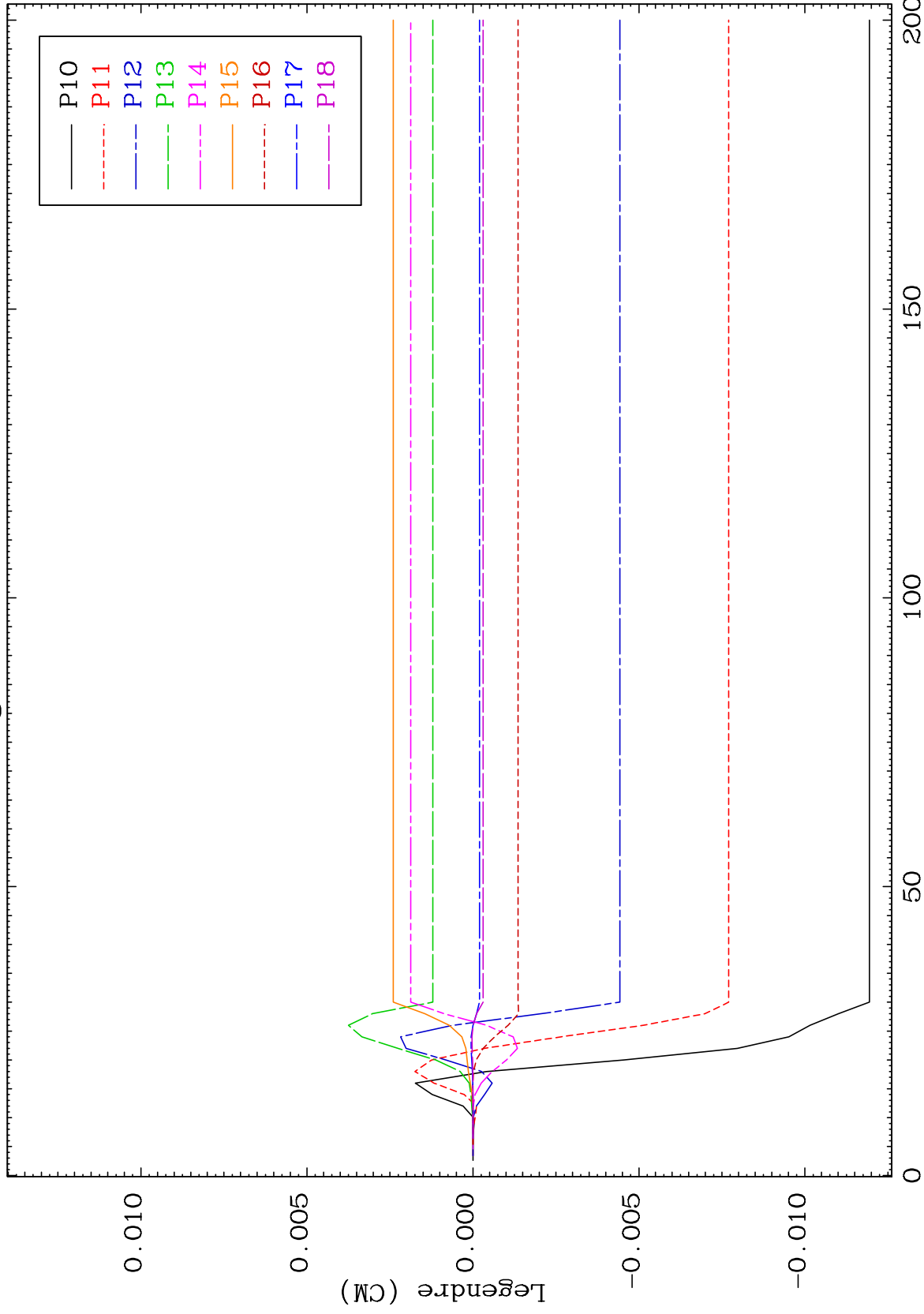
64-Gd-144



MAT 6401

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

64-Gd-144

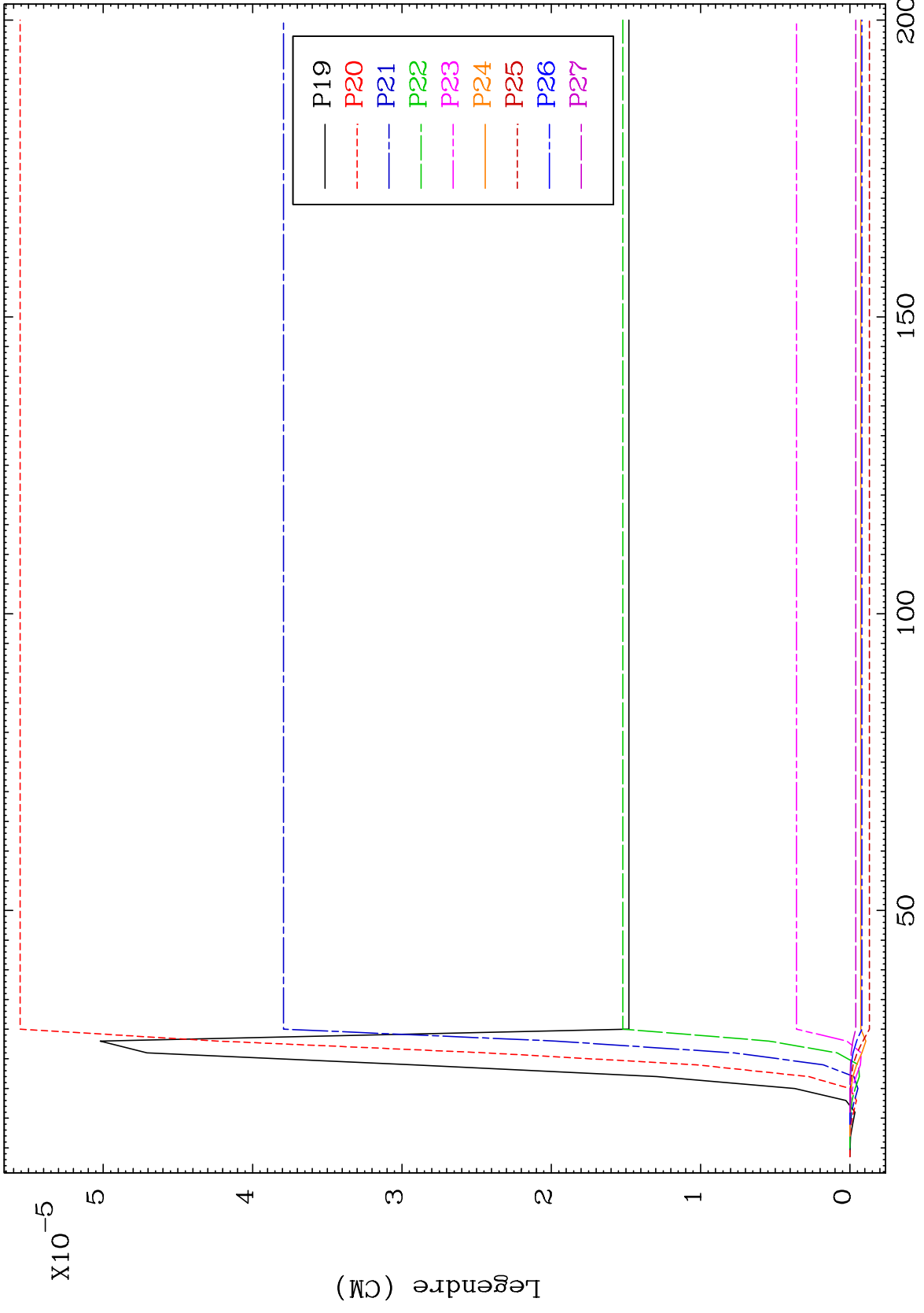


63

Incident Energy (MeV)

64-Gd-144

MAT 6401 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-144

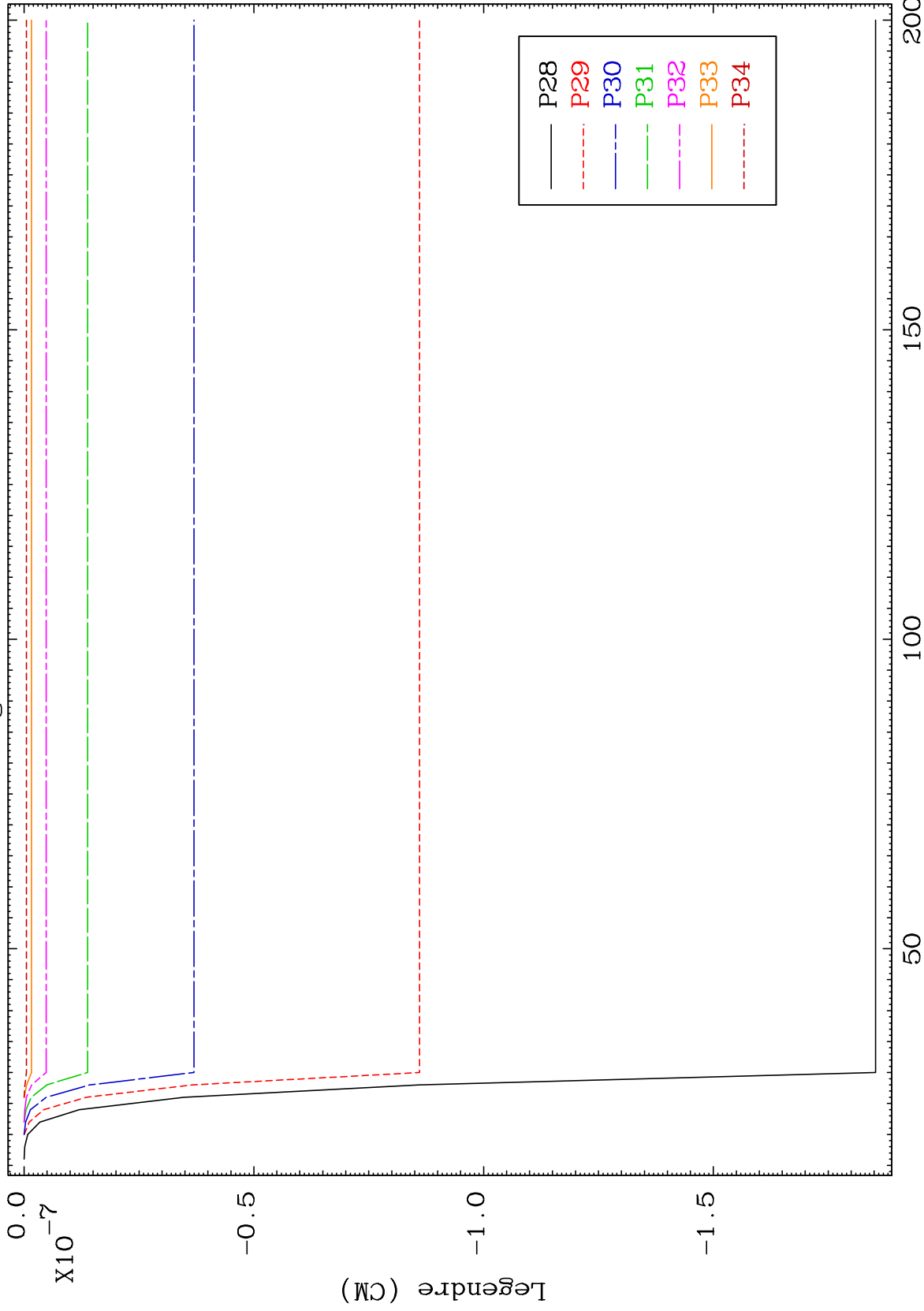


64 64-Gd-144

MAT 6401

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

64-Gd-144



64-Gd-144

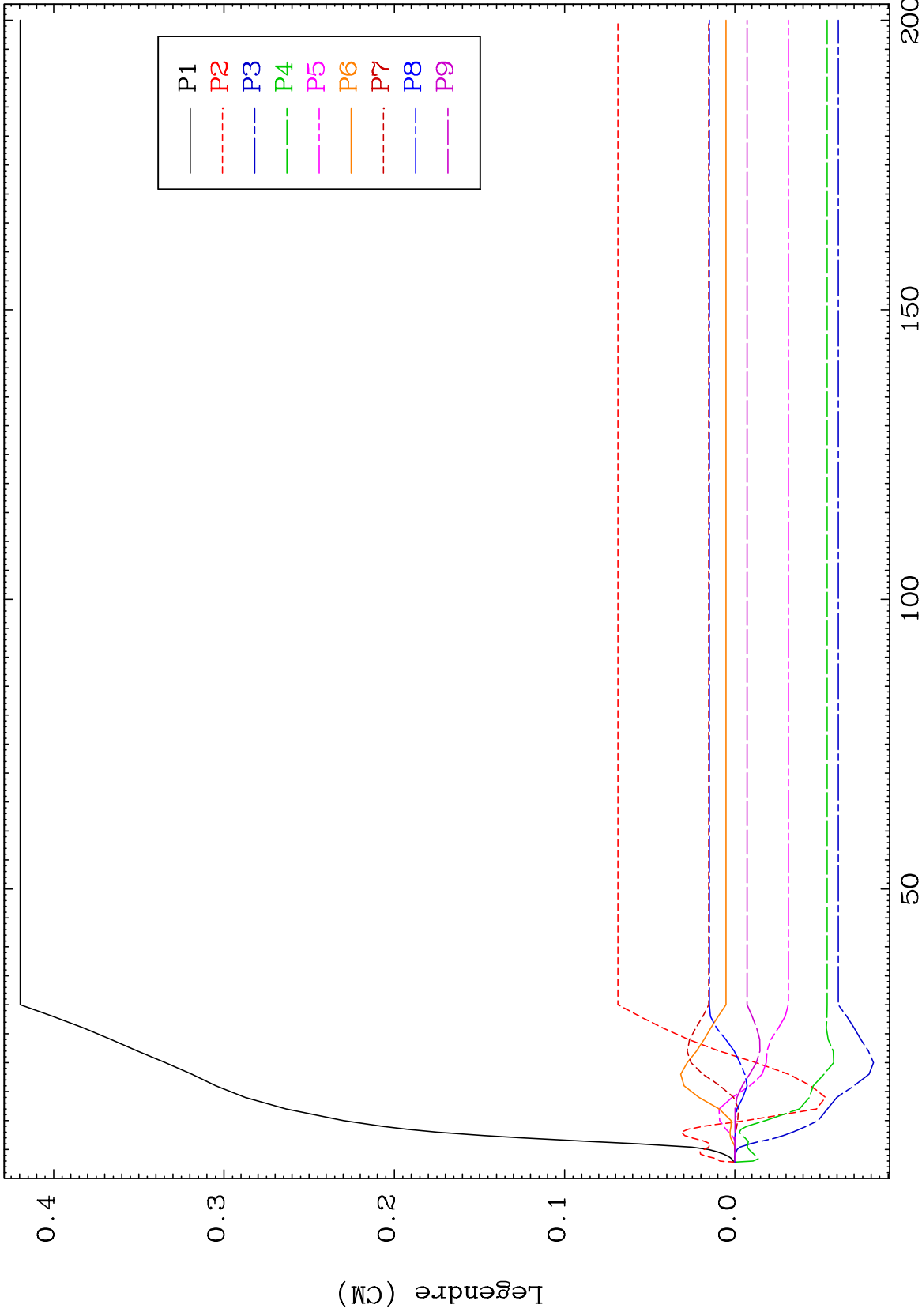
Incident Energy (MeV)

65

MAT 6401

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

64-Gd-144



66

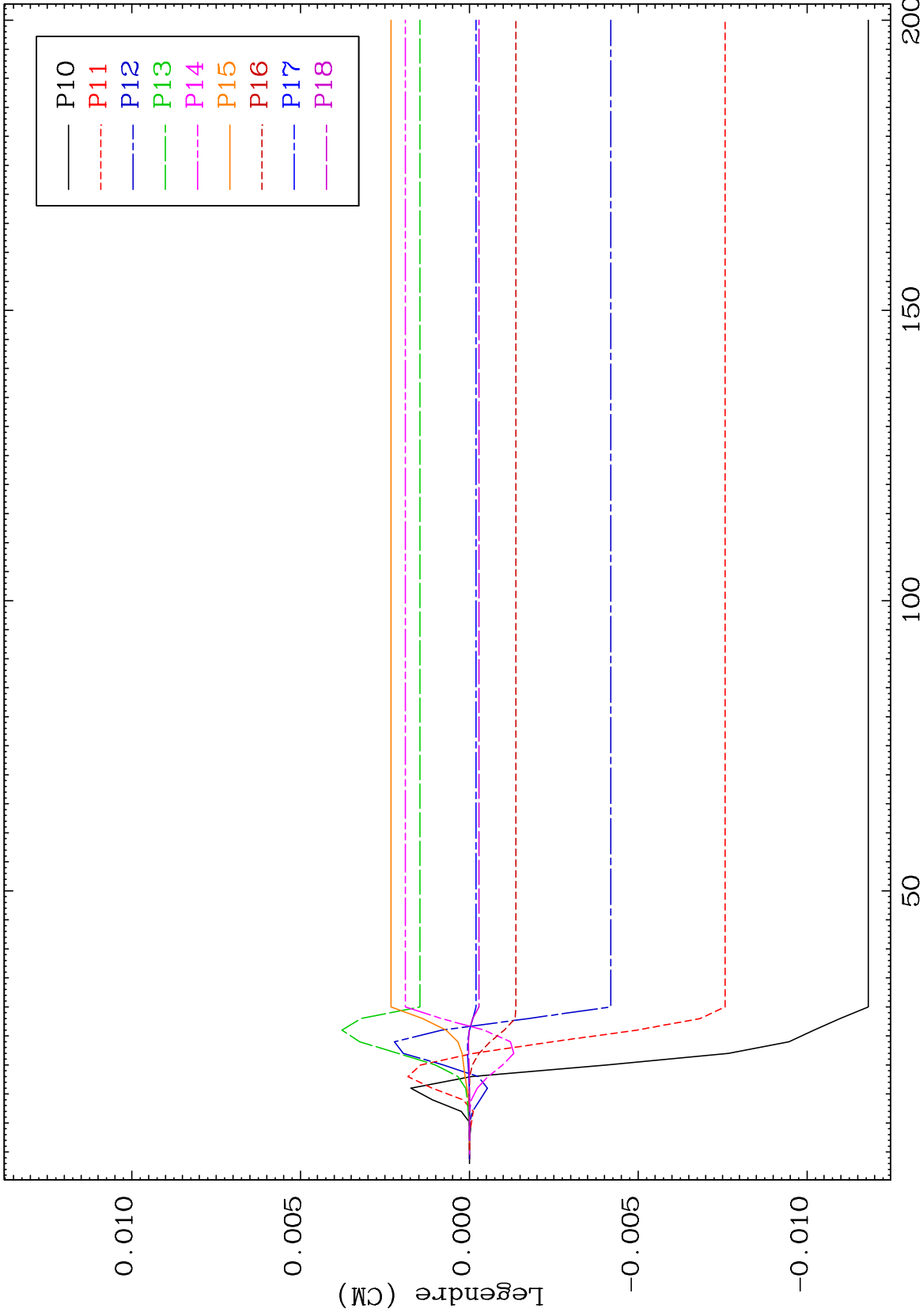
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



67

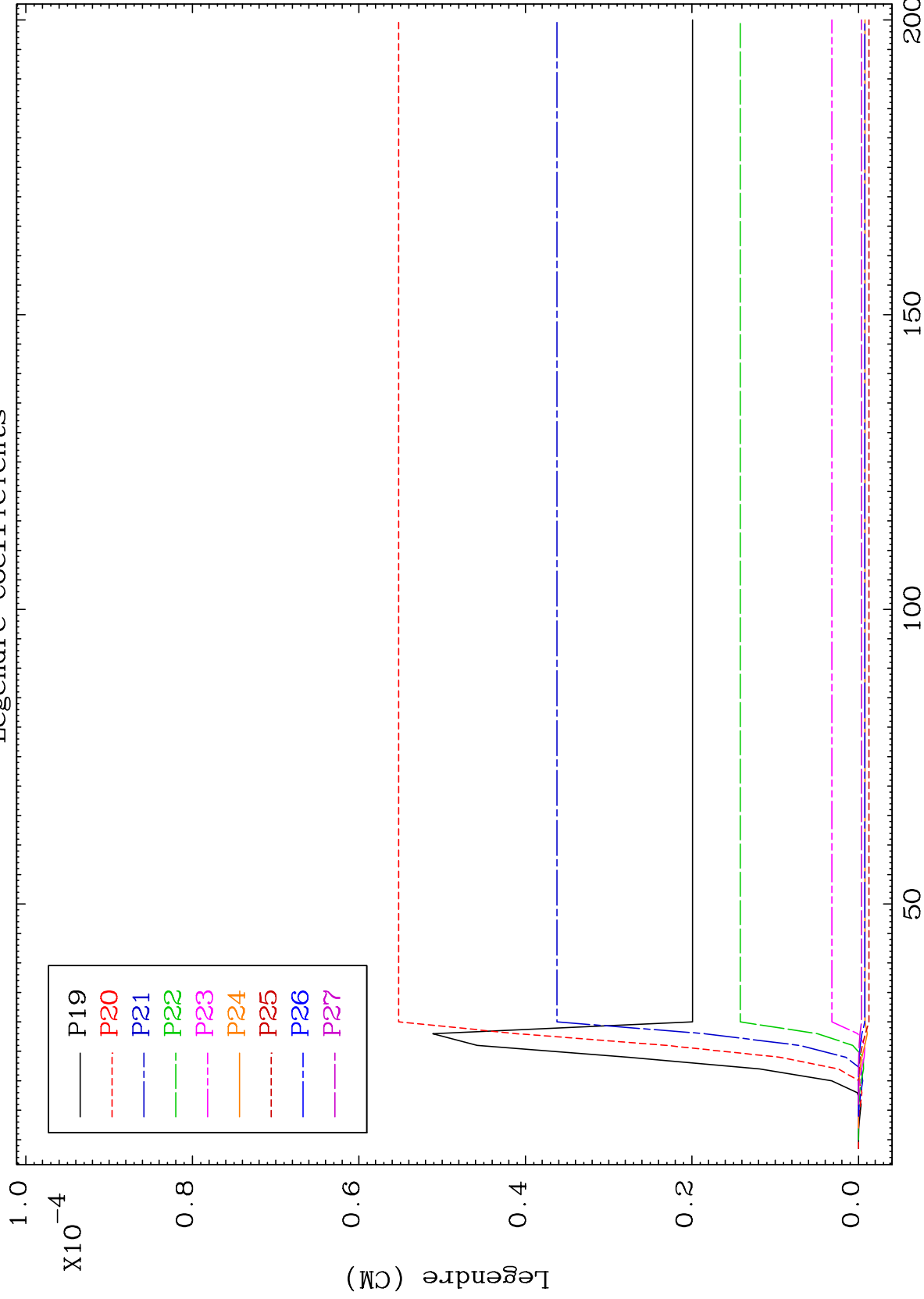
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



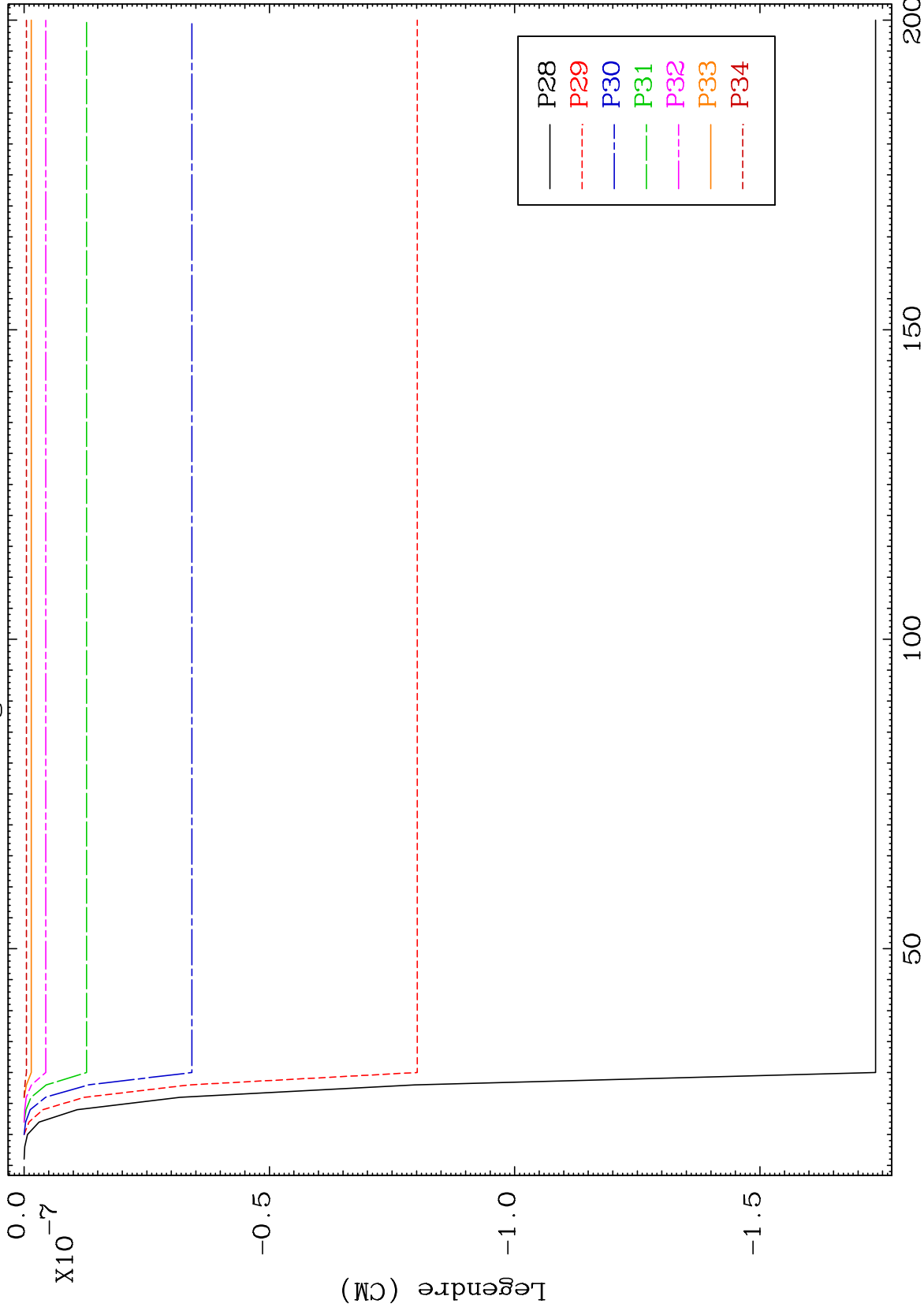
68

64-Gd-144

MAT 6401

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

64-Gd-144



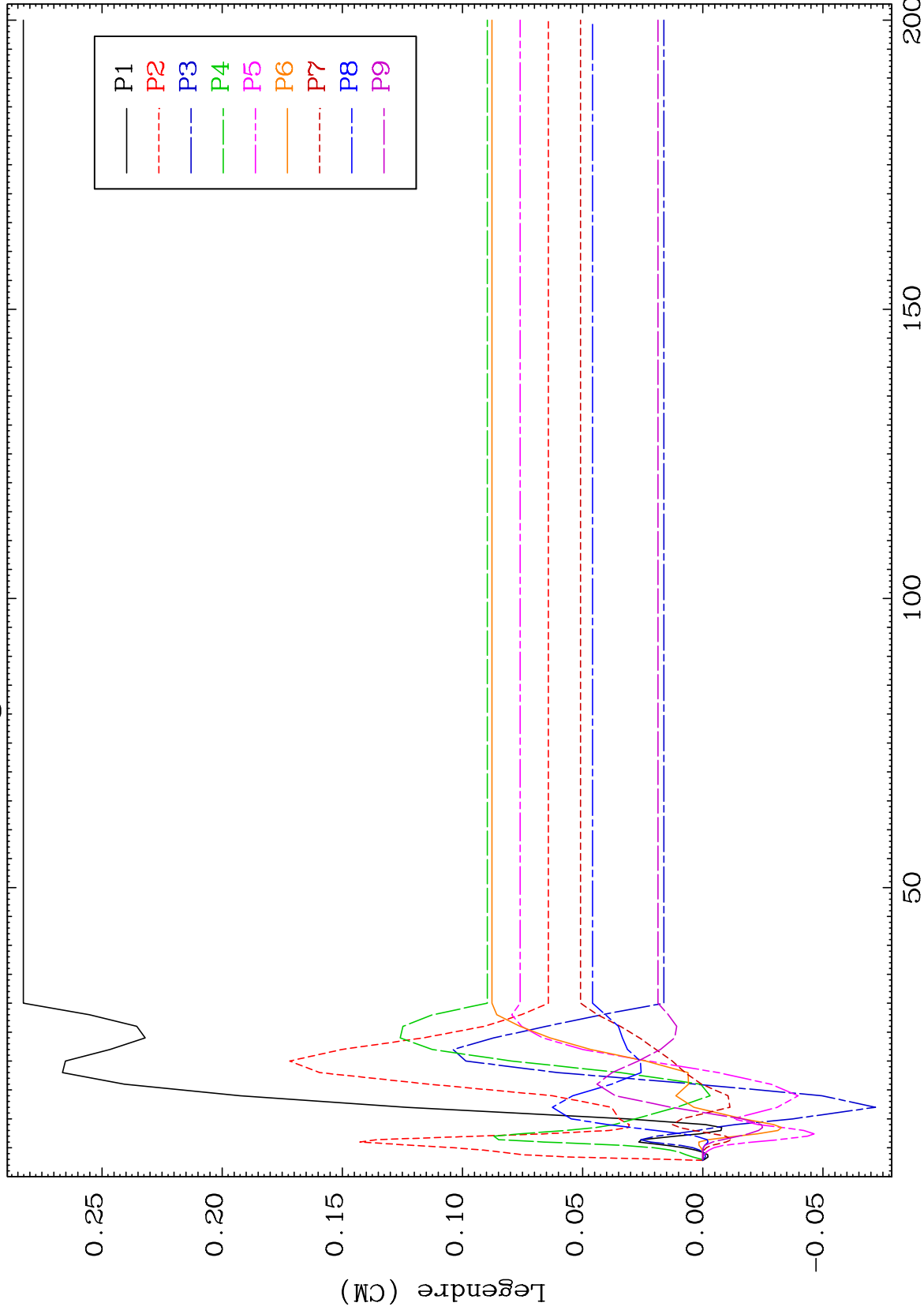
69

64-Gd-144

MAT 6401

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

64-Gd-144



70

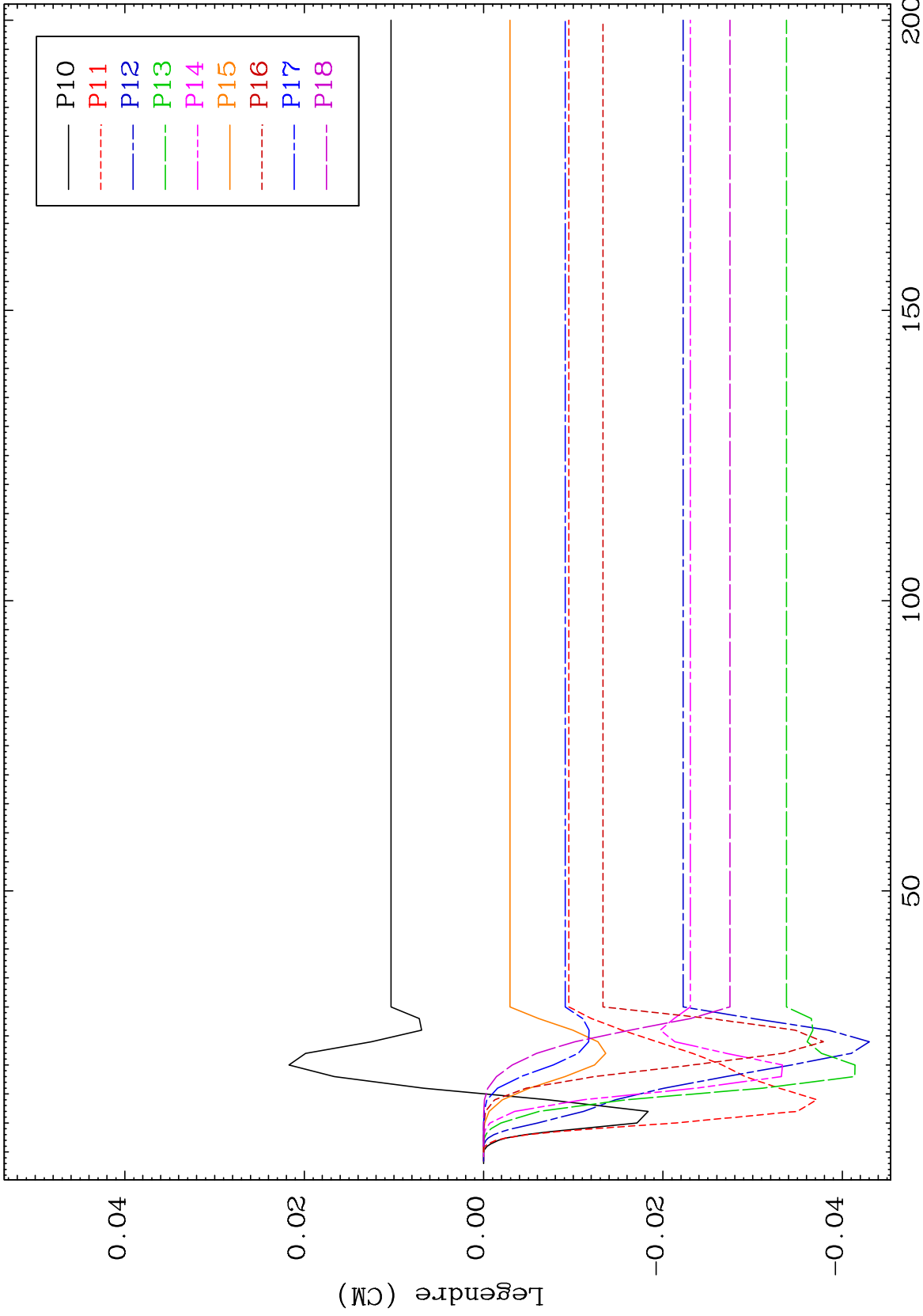
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144

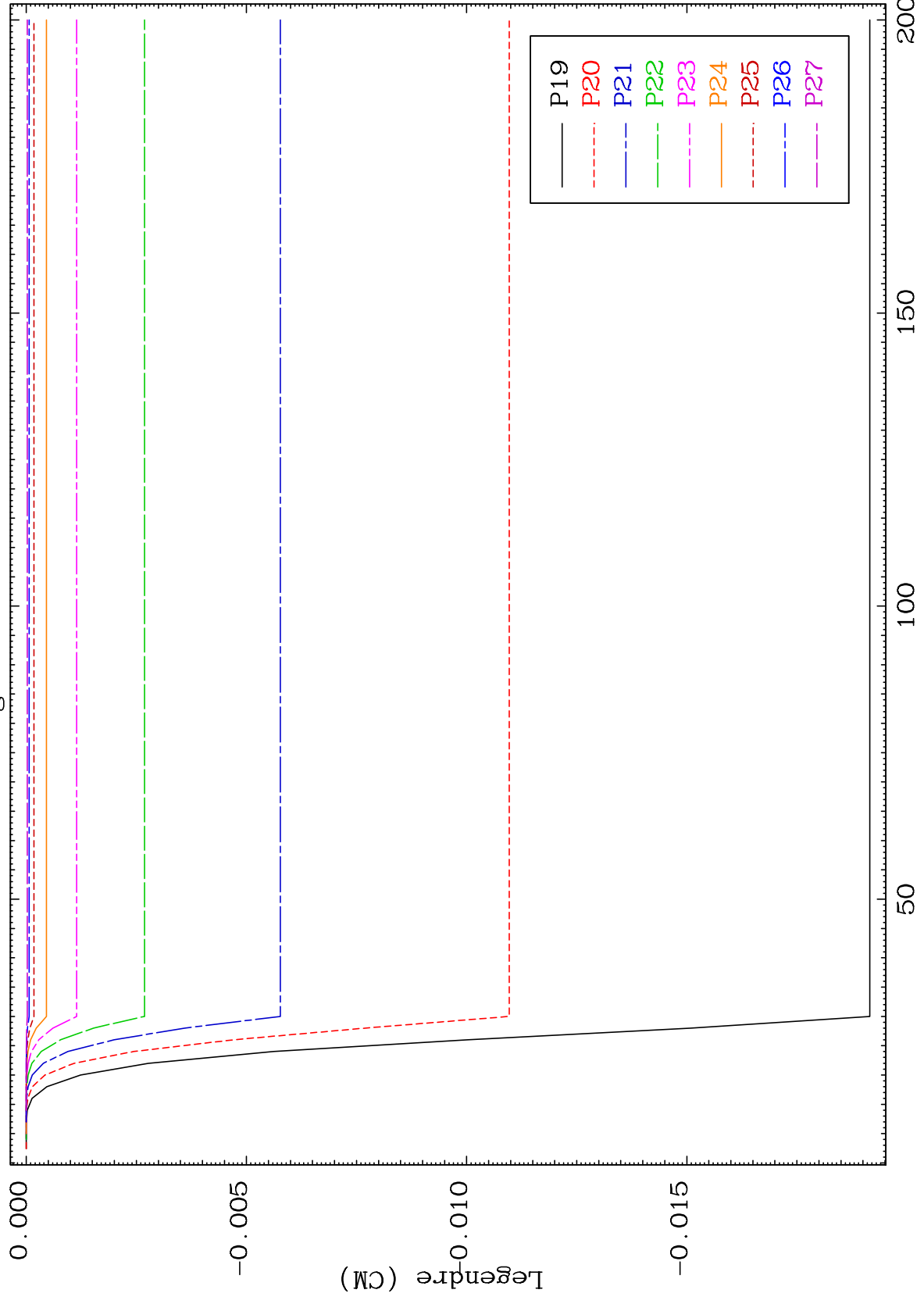


71

Incident Energy (MeV)

64-Gd-144

MAT 6401 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-144

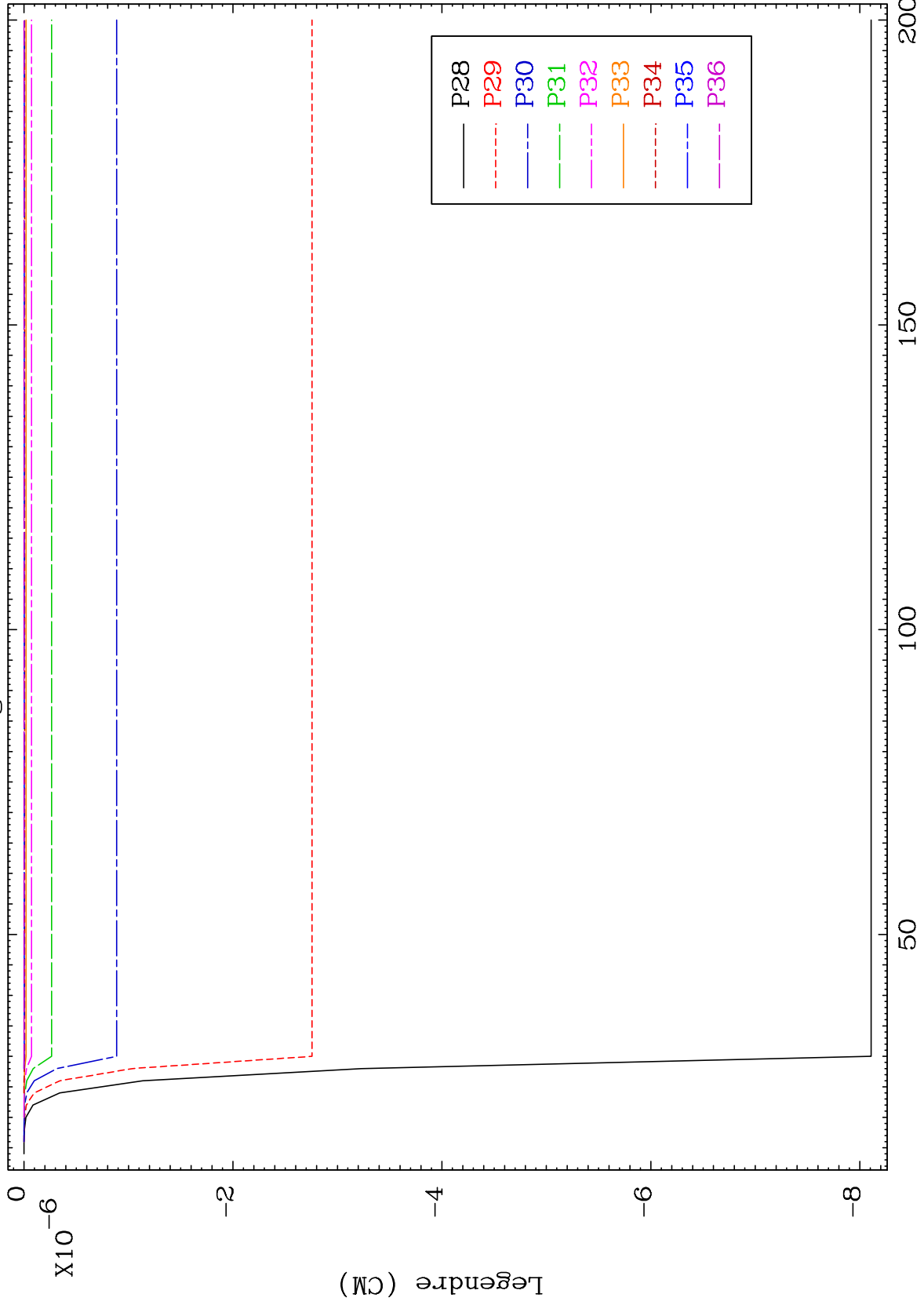


72 64-Gd-144

MAT 6401

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

64-Gd-144



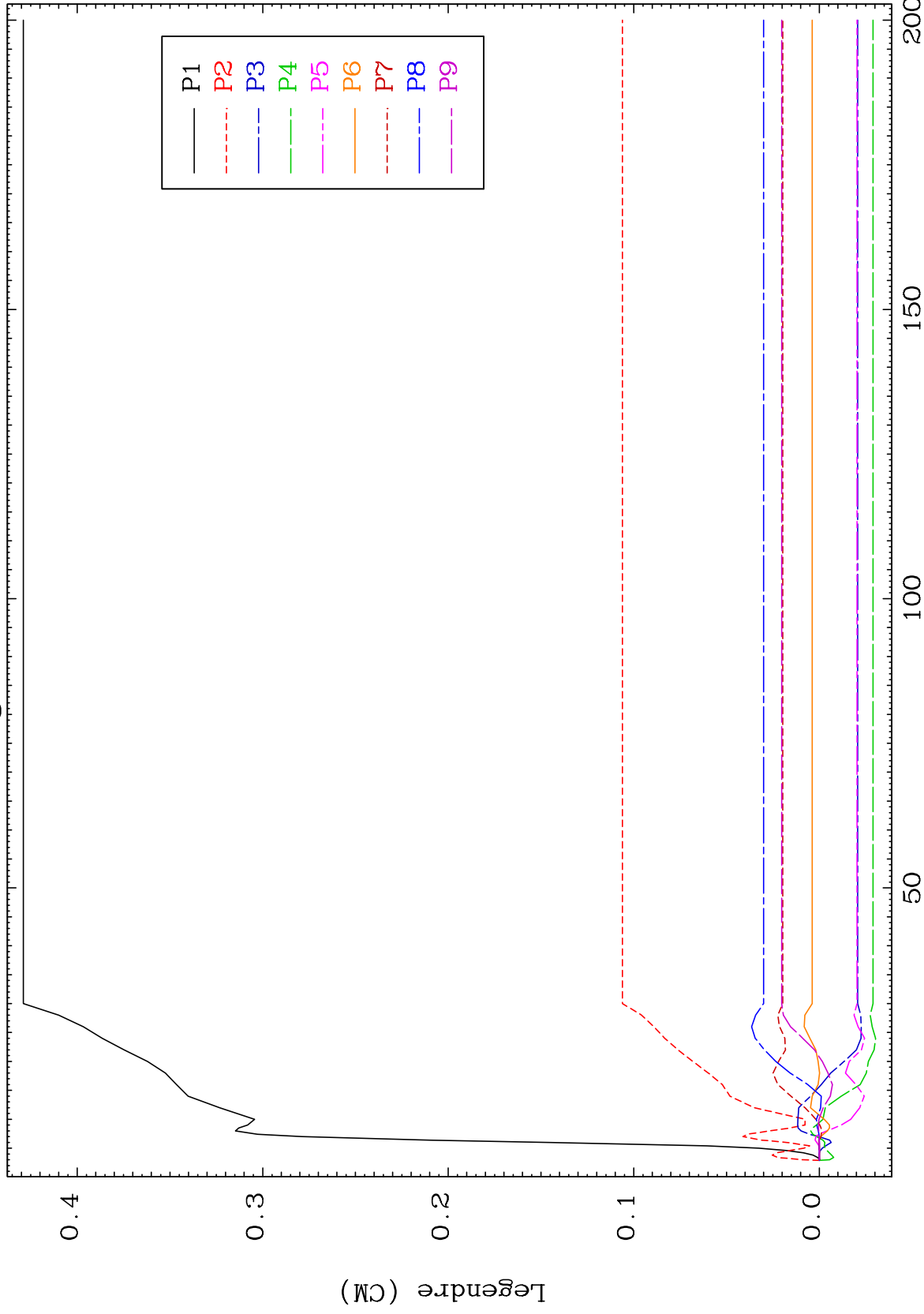
73

64-Gd-144

MAT 6401

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

64-Gd-144

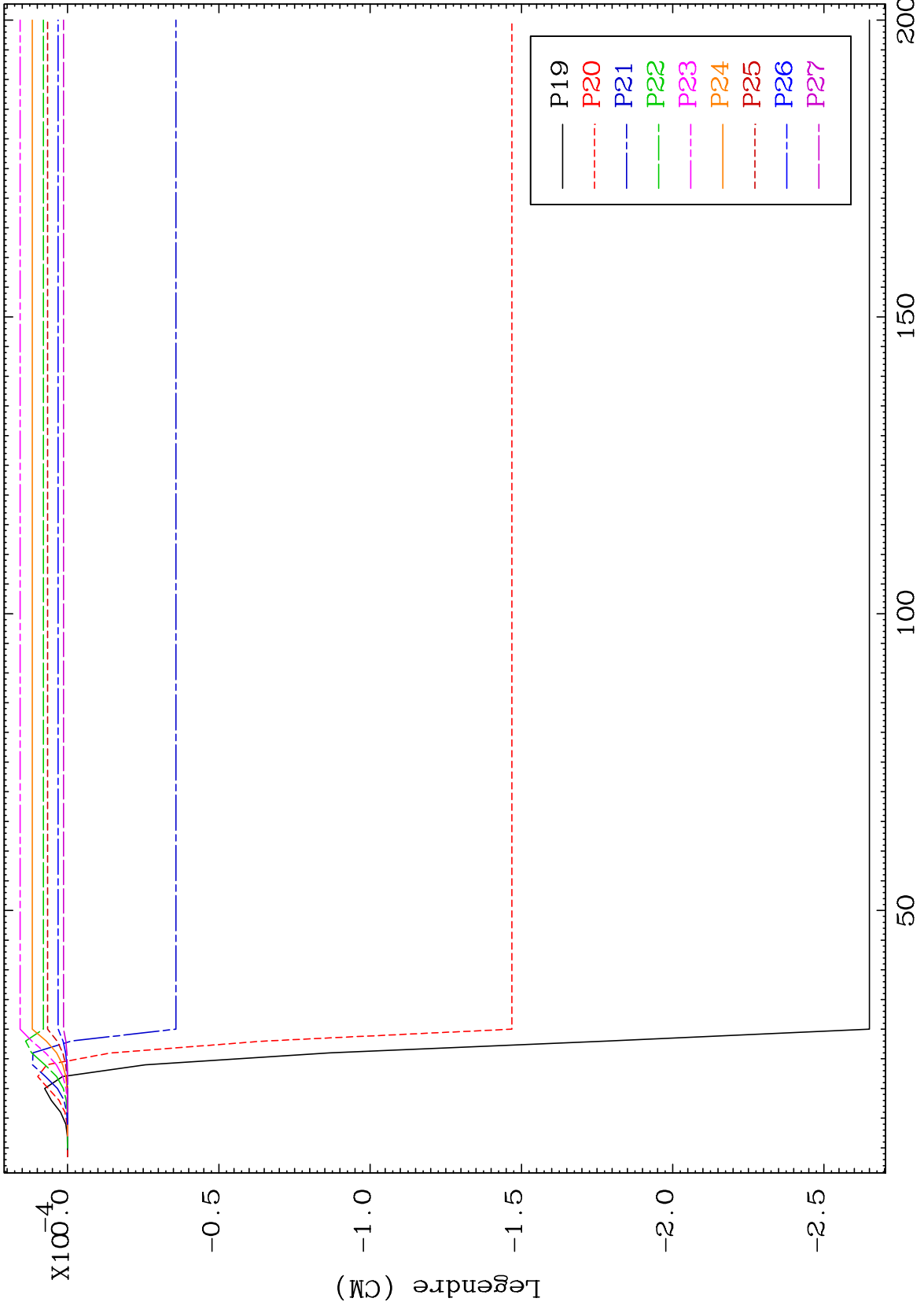


74

Incident Energy (MeV)

64-Gd-144

MAT 6401 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-144

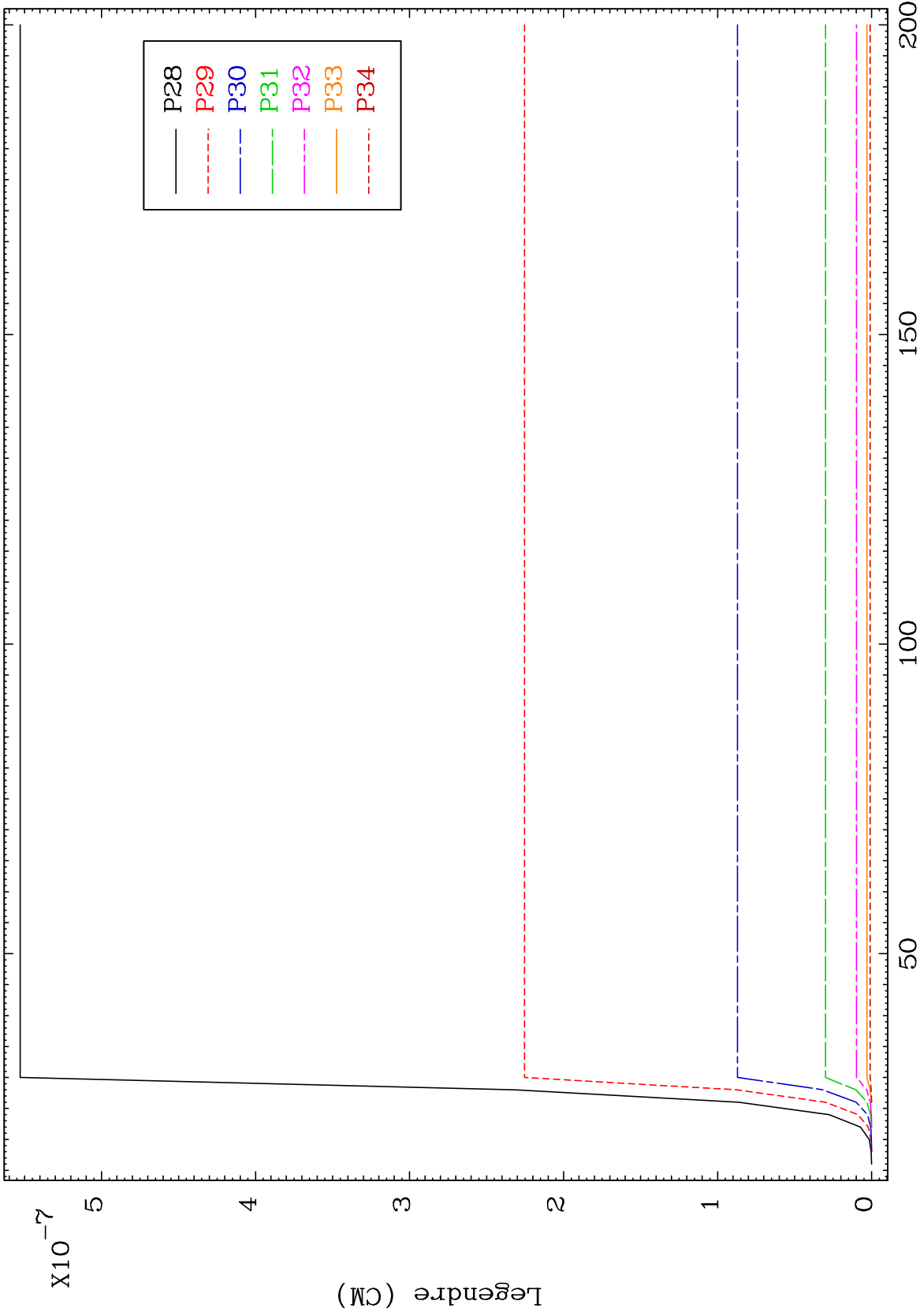


76 64-Gd-144

MAT 6401

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

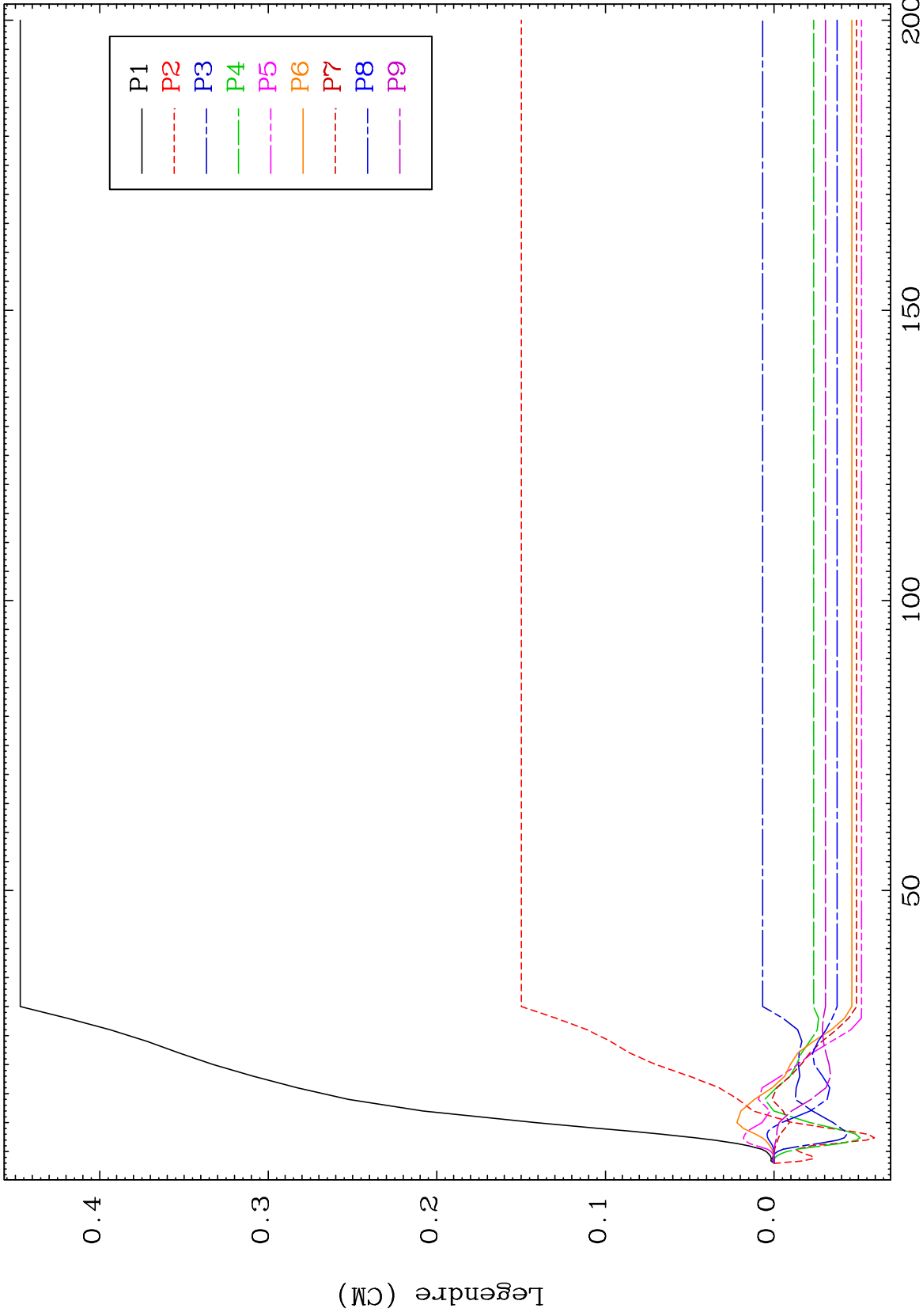
64-Gd-144



MAT 6401

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

64-Gd-144



78

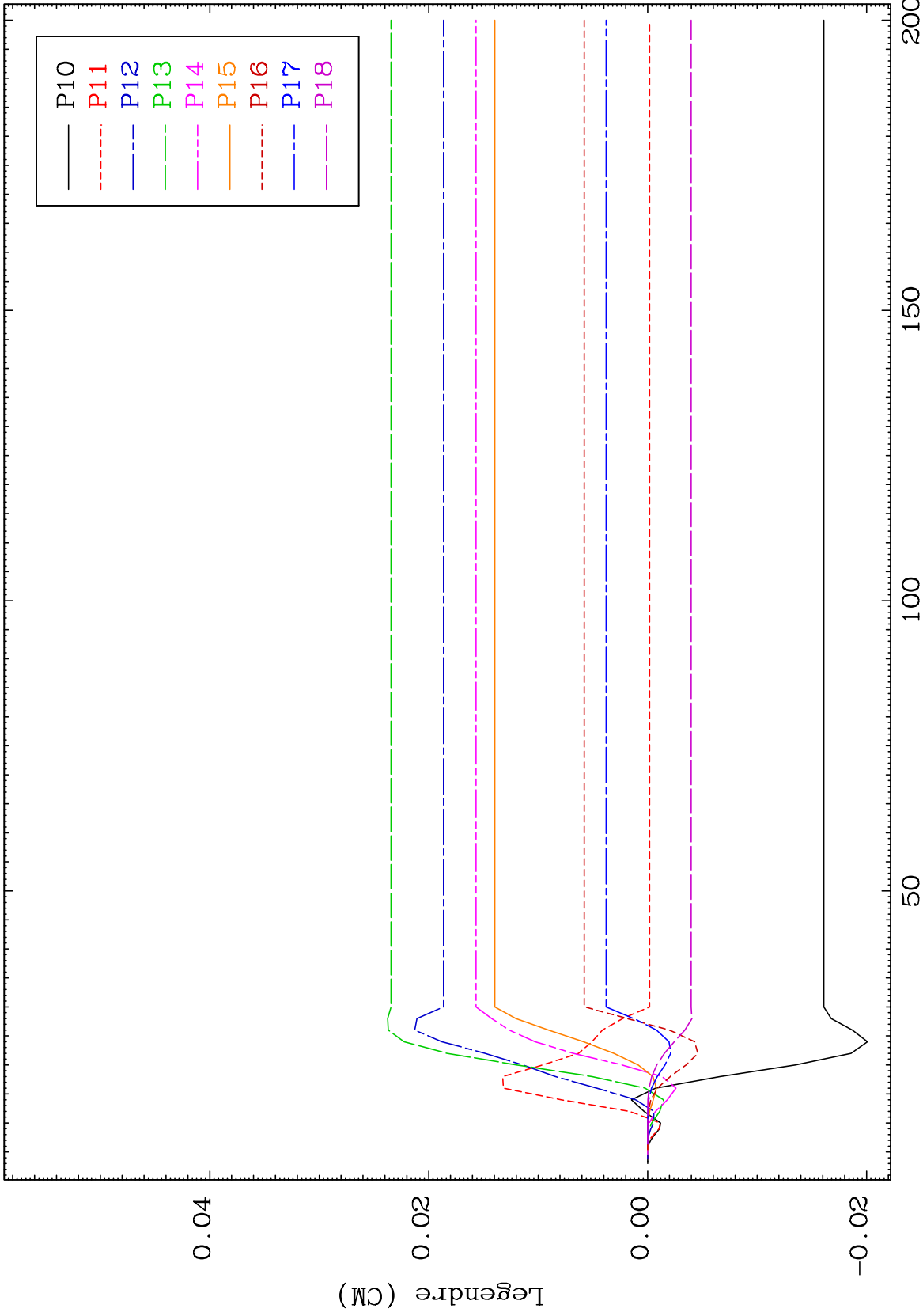
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



79

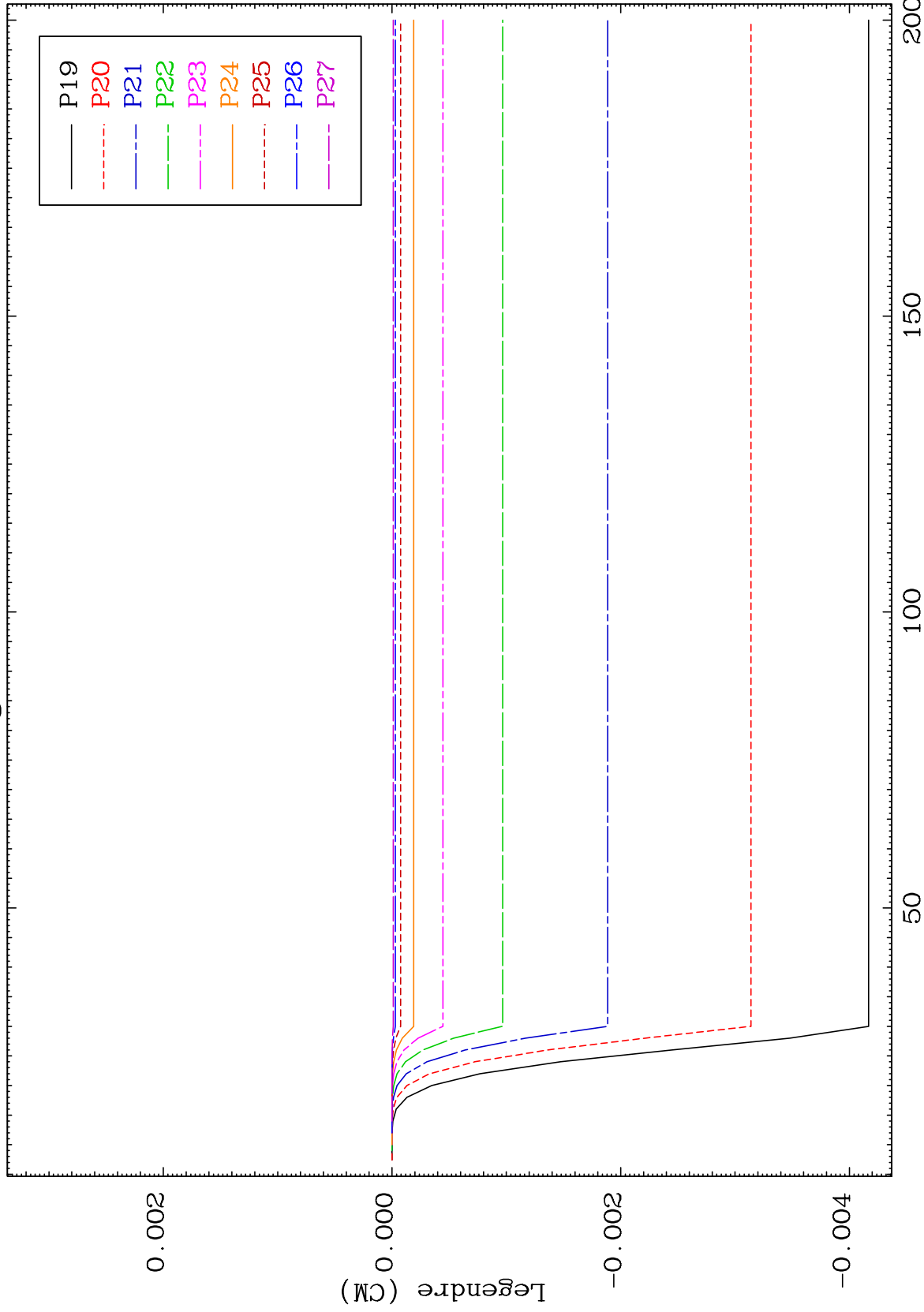
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

64-Gd-144



80

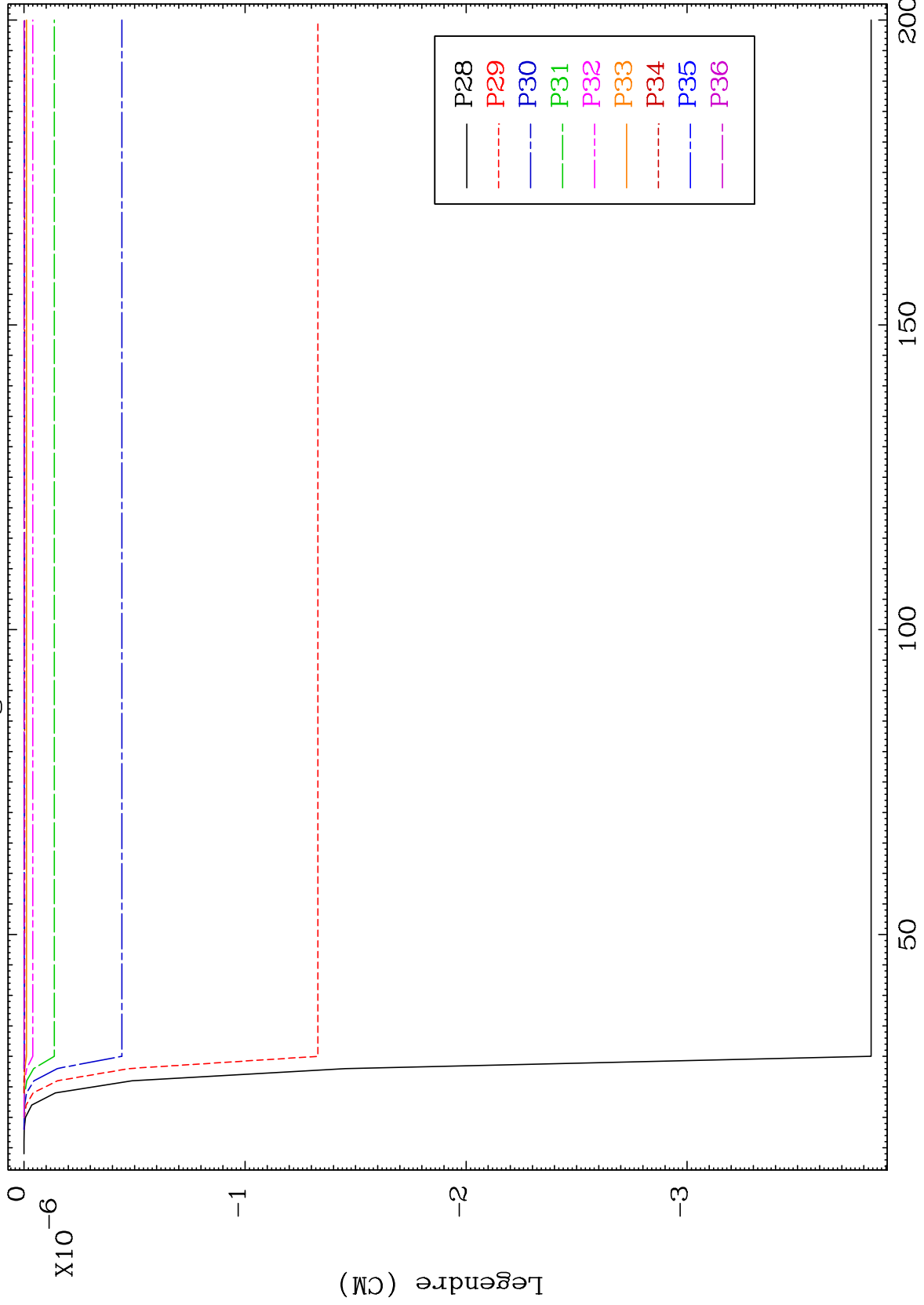
Incident Energy (MeV)

64-Gd-144

MAT 6401

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

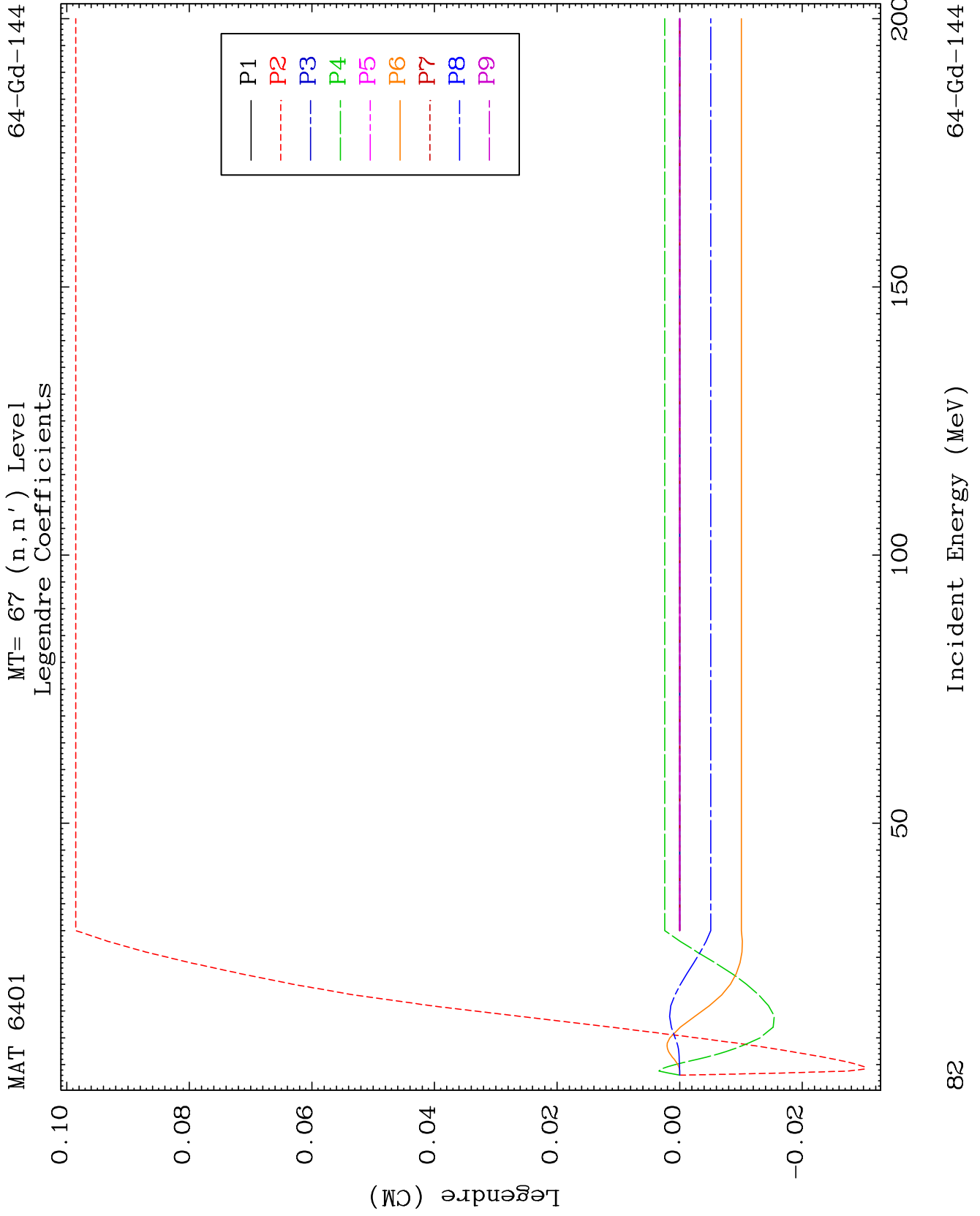
64-Gd-144



64-Gd-144

Incident Energy (MeV)

81

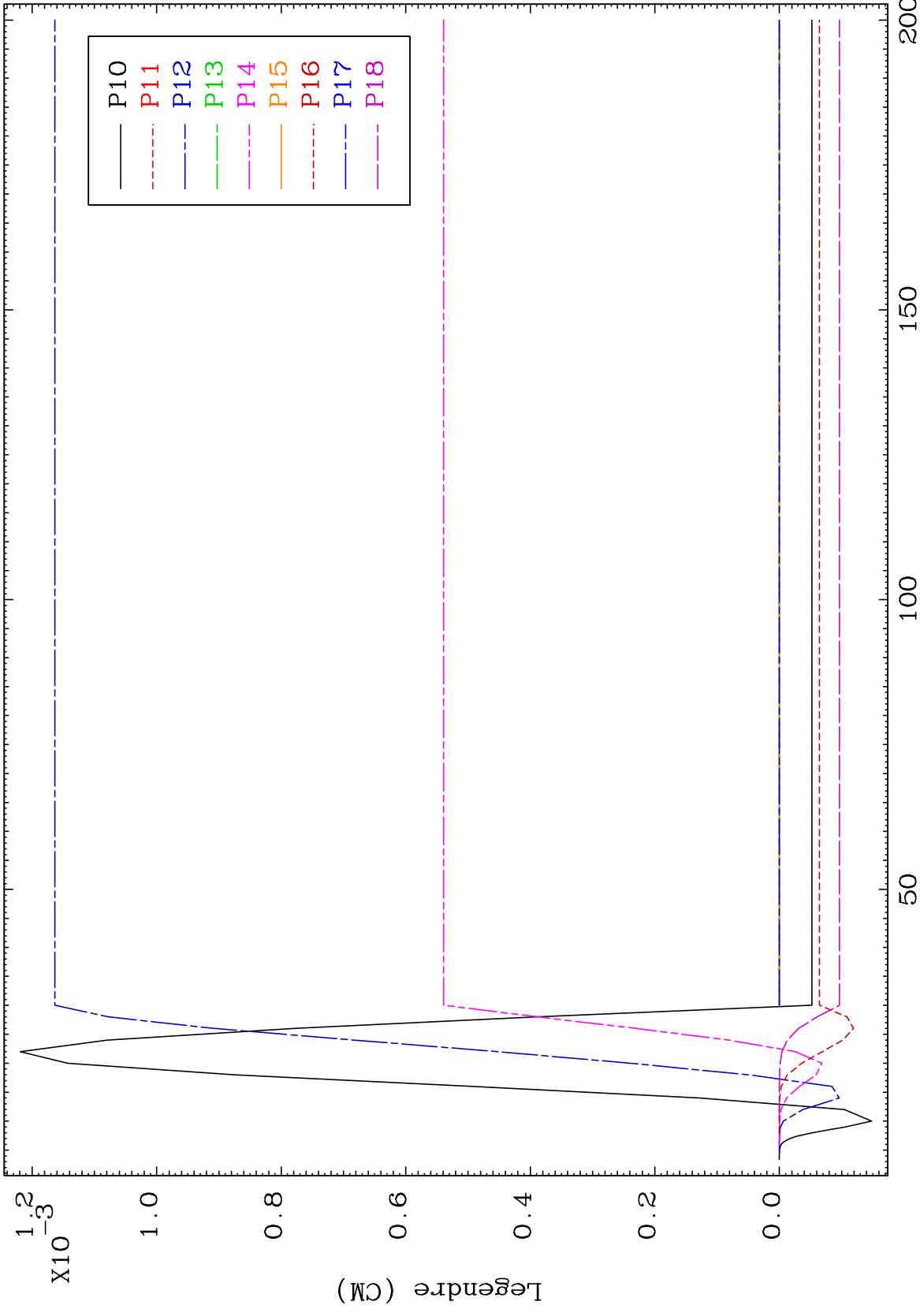


MAT 6401

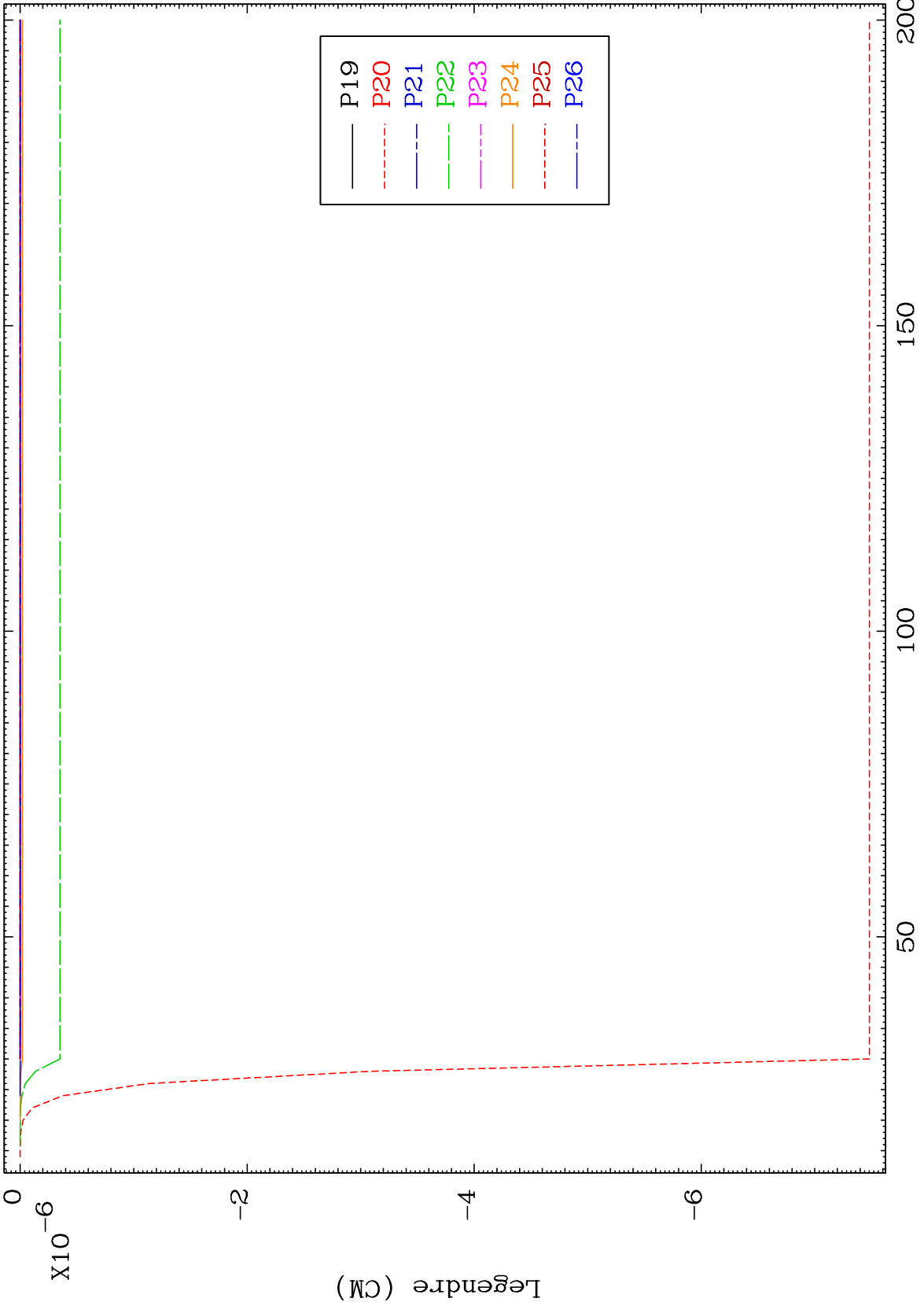
MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-144

64-Gd-144



MAT 6401 MT= 67 (n,n') Level Legendre Coefficients 64-Gd-144



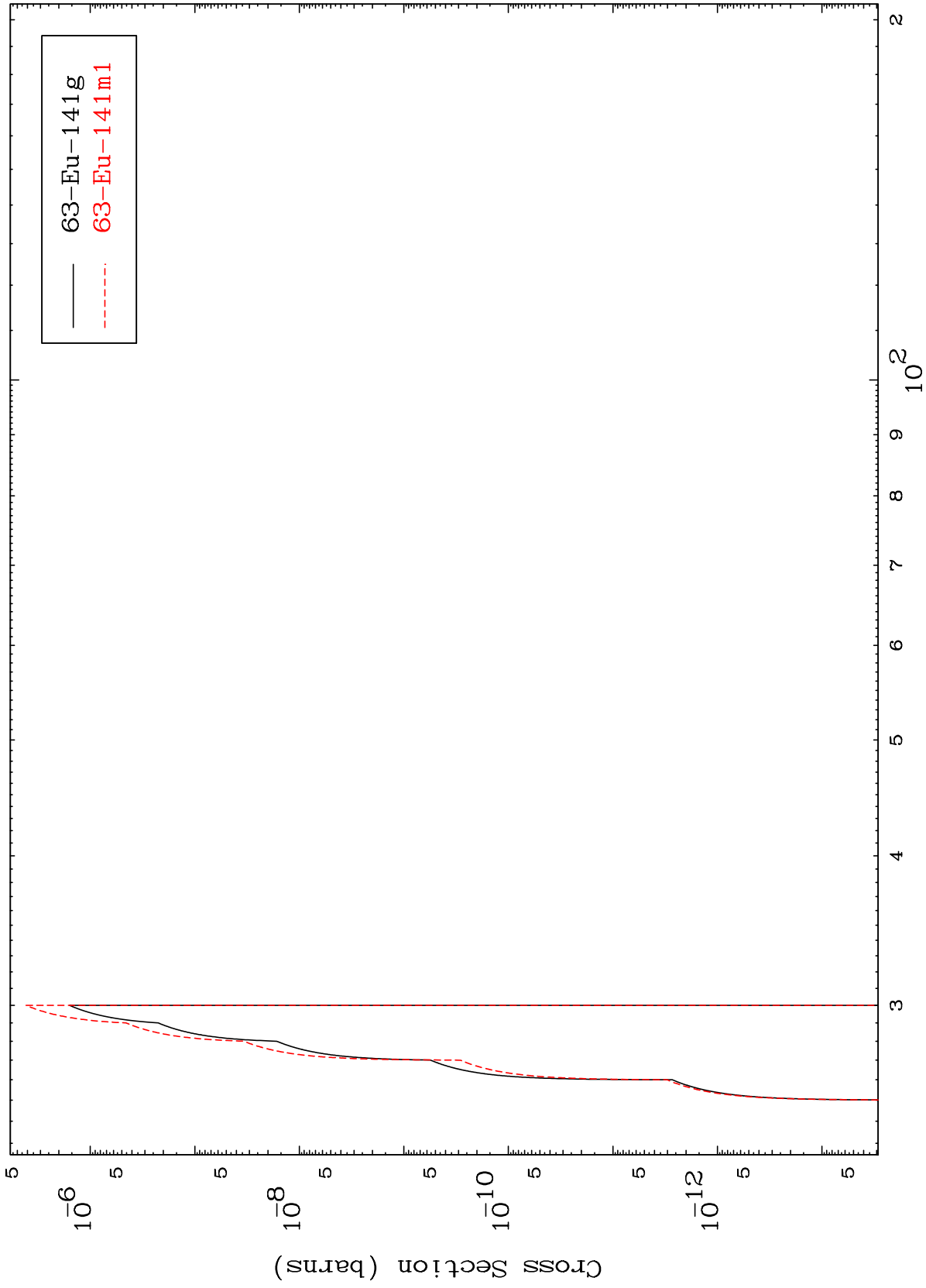
84 64-Gd-144

MAT 6401

(n,2n) d

64-Gd-144

Radionuclide Production Cross Section



85

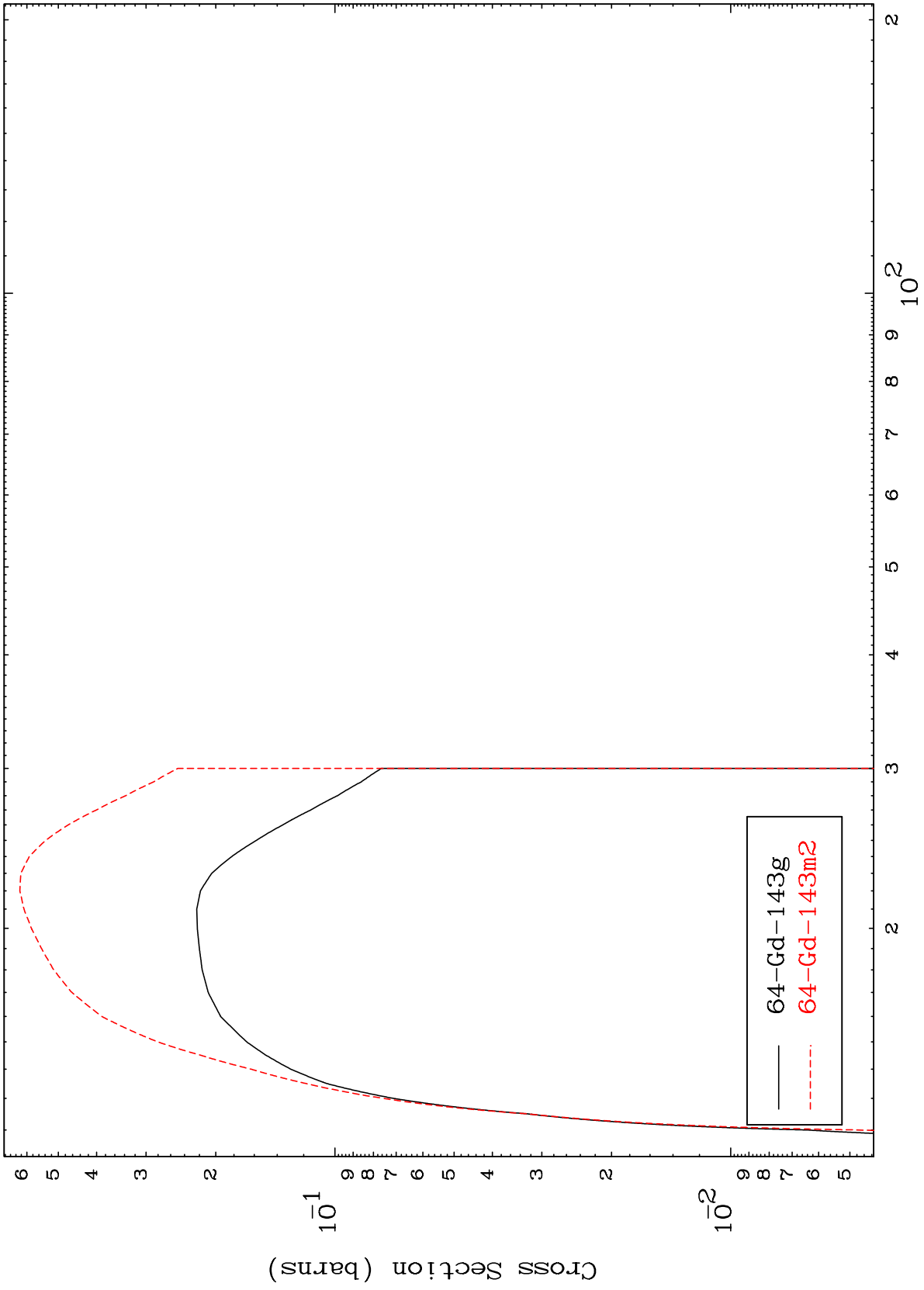
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,2n)
Radionuclide Production Cross Section



86

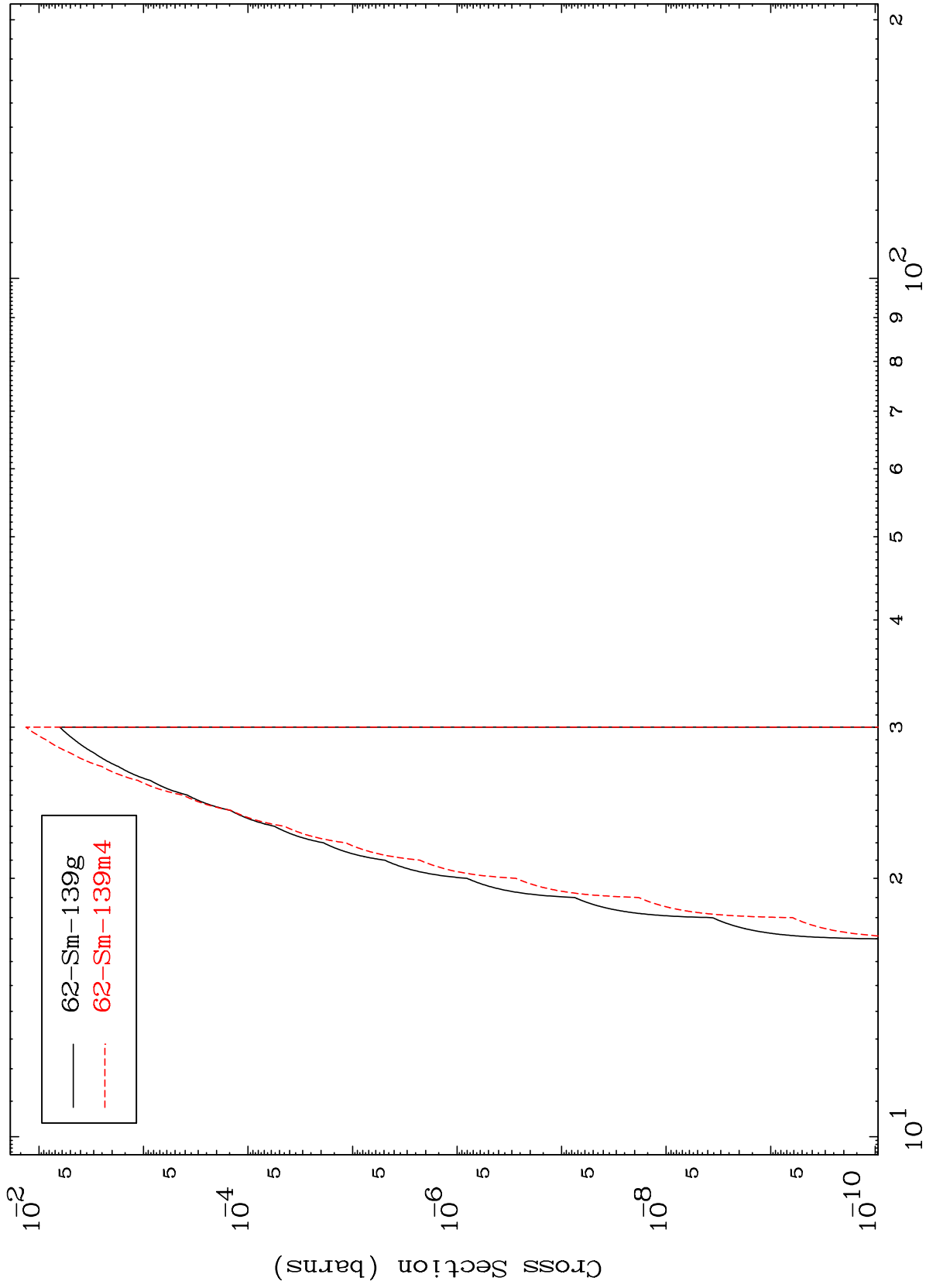
64-Gd-144

MAT 6401

(n,2n) α

64-Gd-144

Radionuclide Production Cross Section

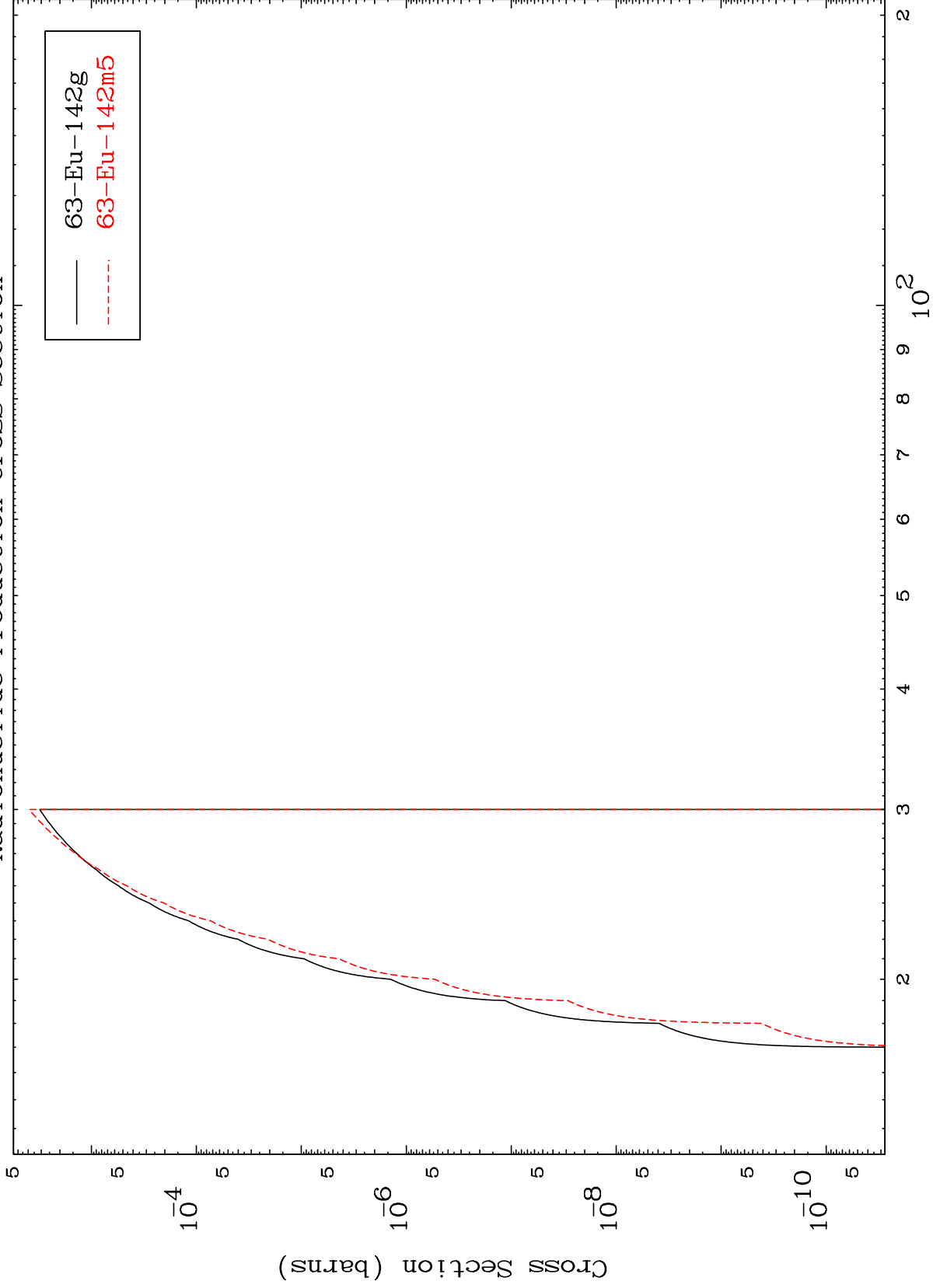


MAT 6401

(n,n') d

64-Gd-144

Radionuclide Production Cross Section



88

Incident Energy (MeV)

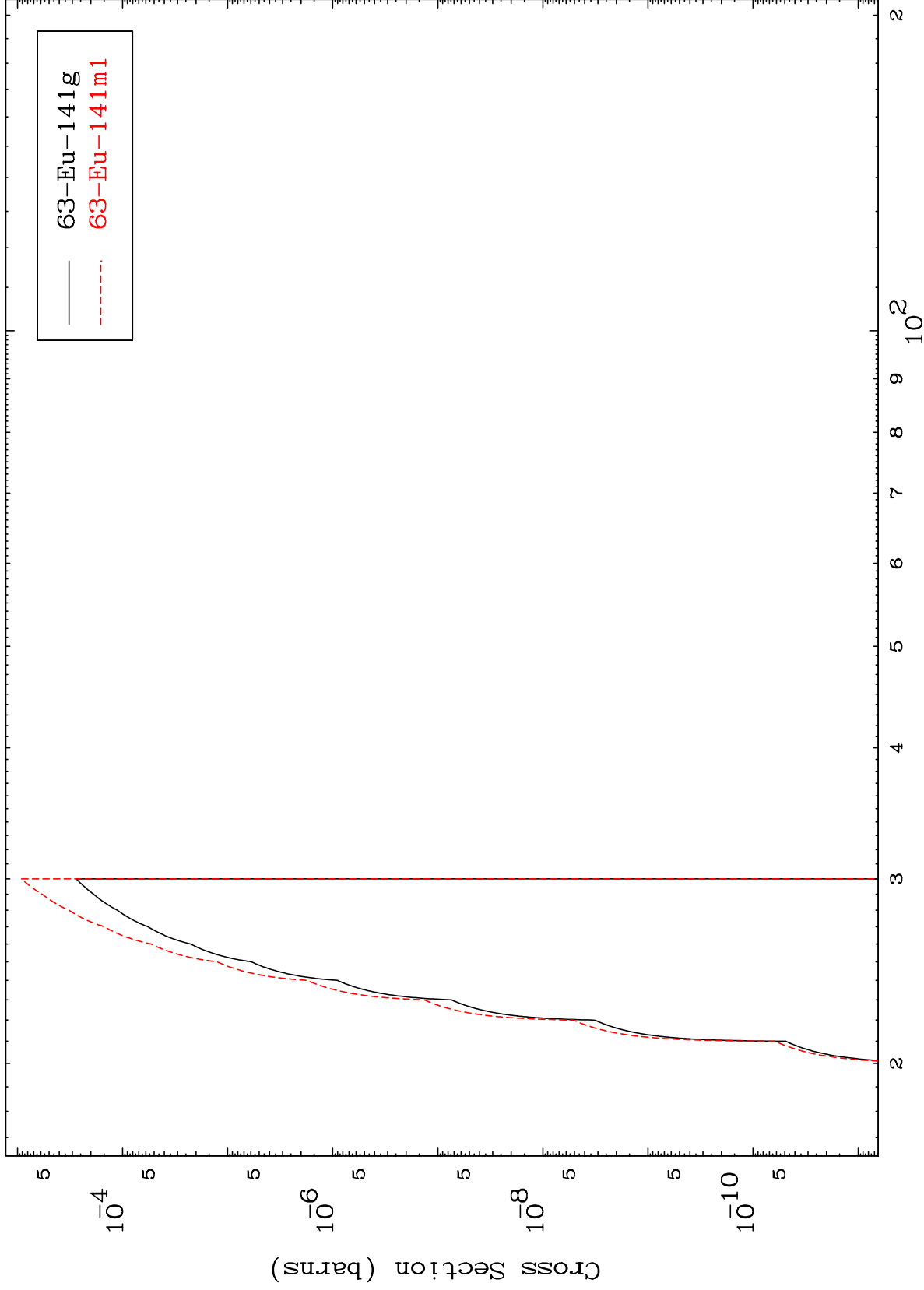
64-Gd-144

MAT 6401

(n,n') t

64-Gd-144

Radionuclide Production Cross Section



89

Incident Energy (MeV)

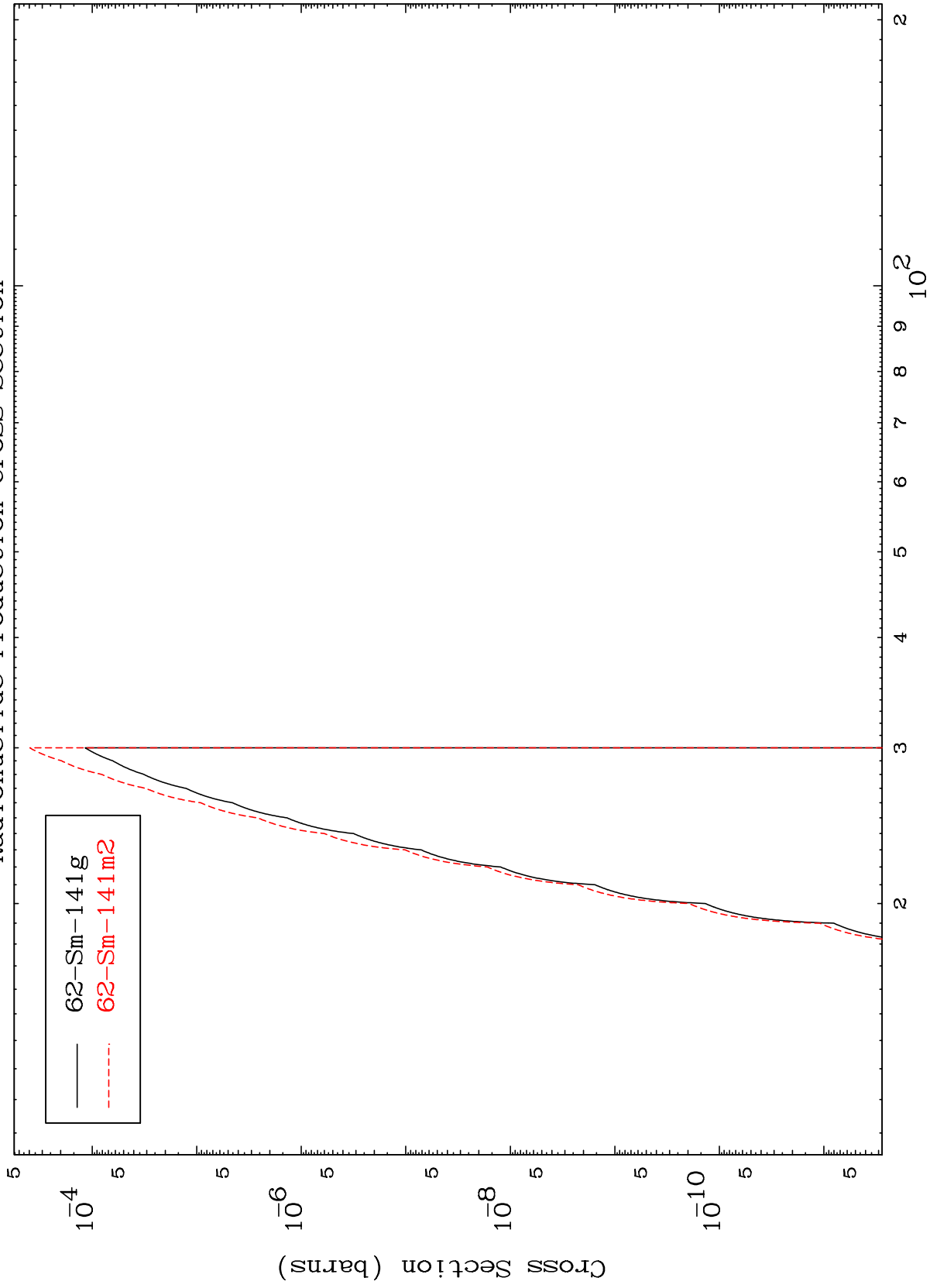
64-Gd-144

MAT 6401

(n, n') He-3

64-Gd-144

Radionuclide Production Cross Section



90

Incident Energy (MeV)

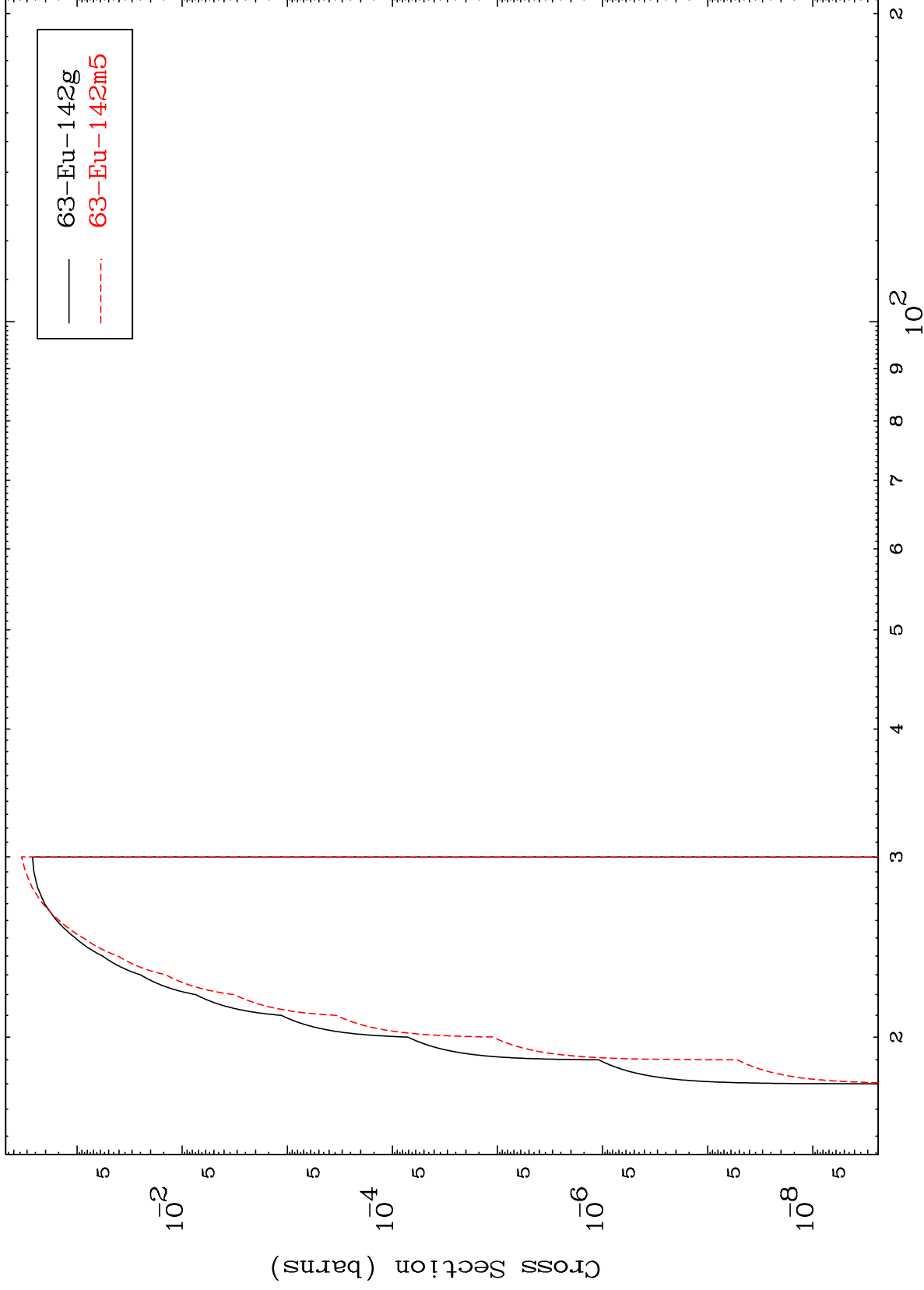
64-Gd-144

MAT 6401

(n,2n) p

64-Gd-144

Radionuclide Production Cross Section



91

Incident Energy (MeV)

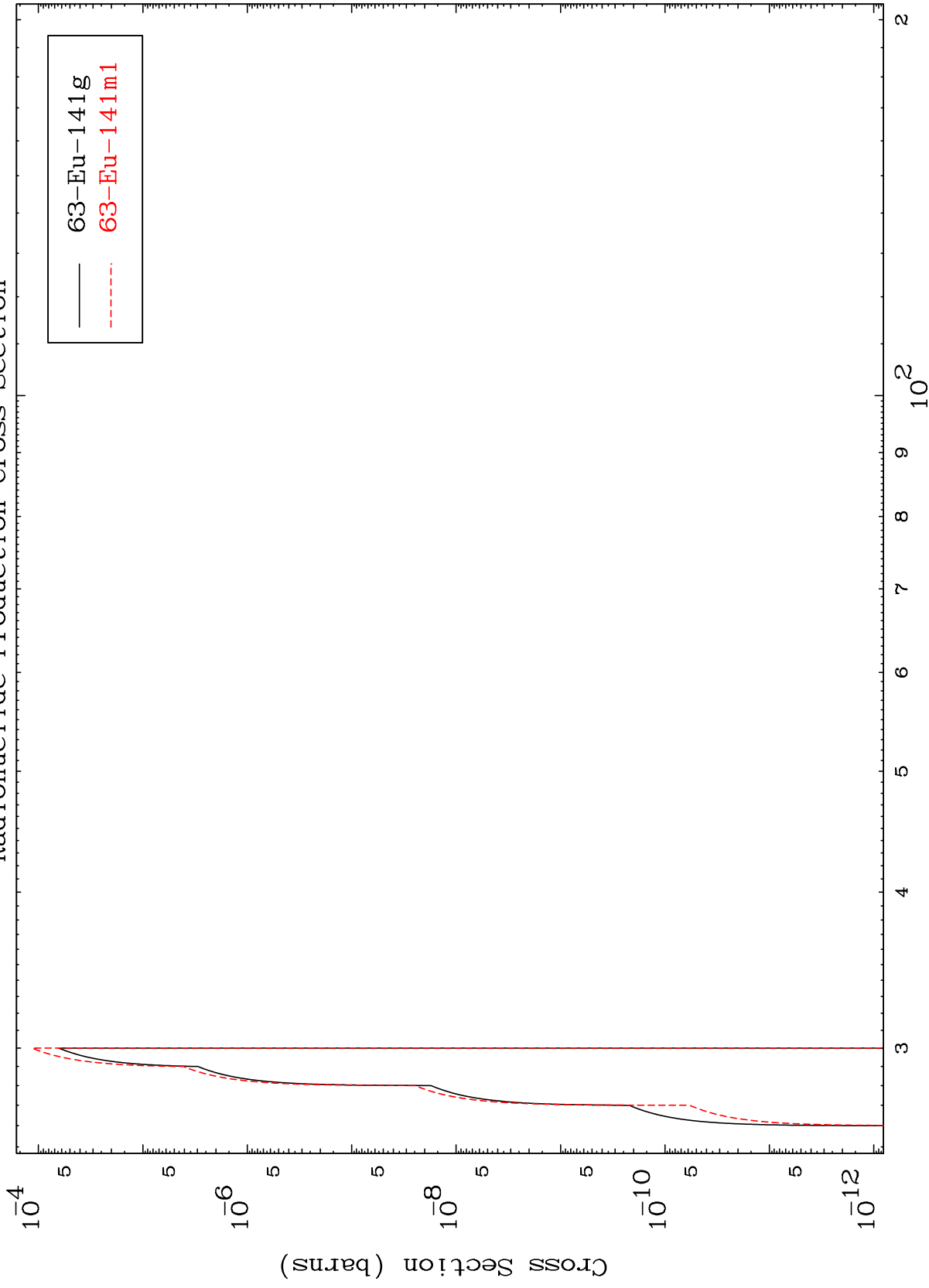
64-Gd-144

MAT 6401

(n,3n) p

64-Gd-144

Radionuclide Production Cross Section



92

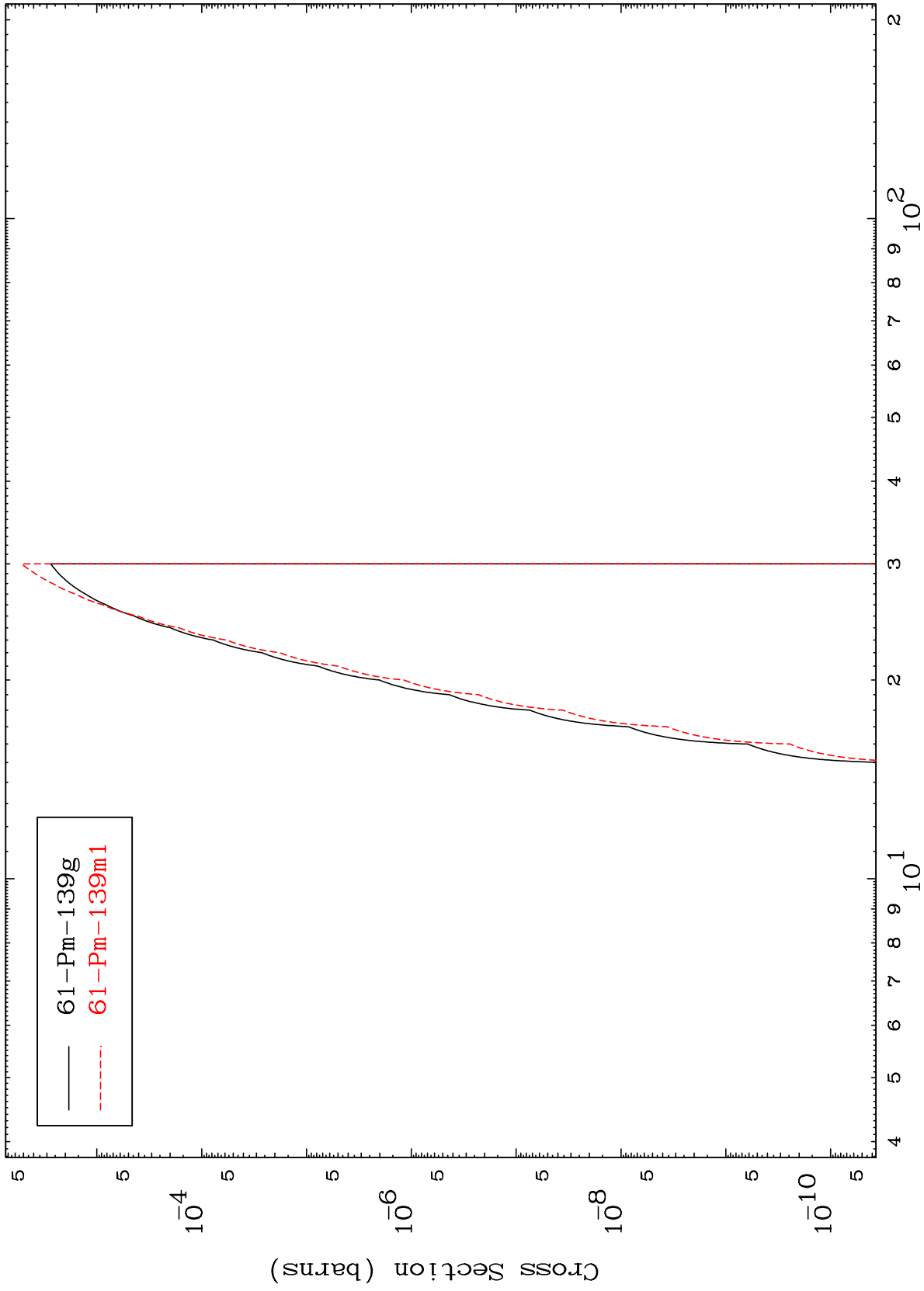
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

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



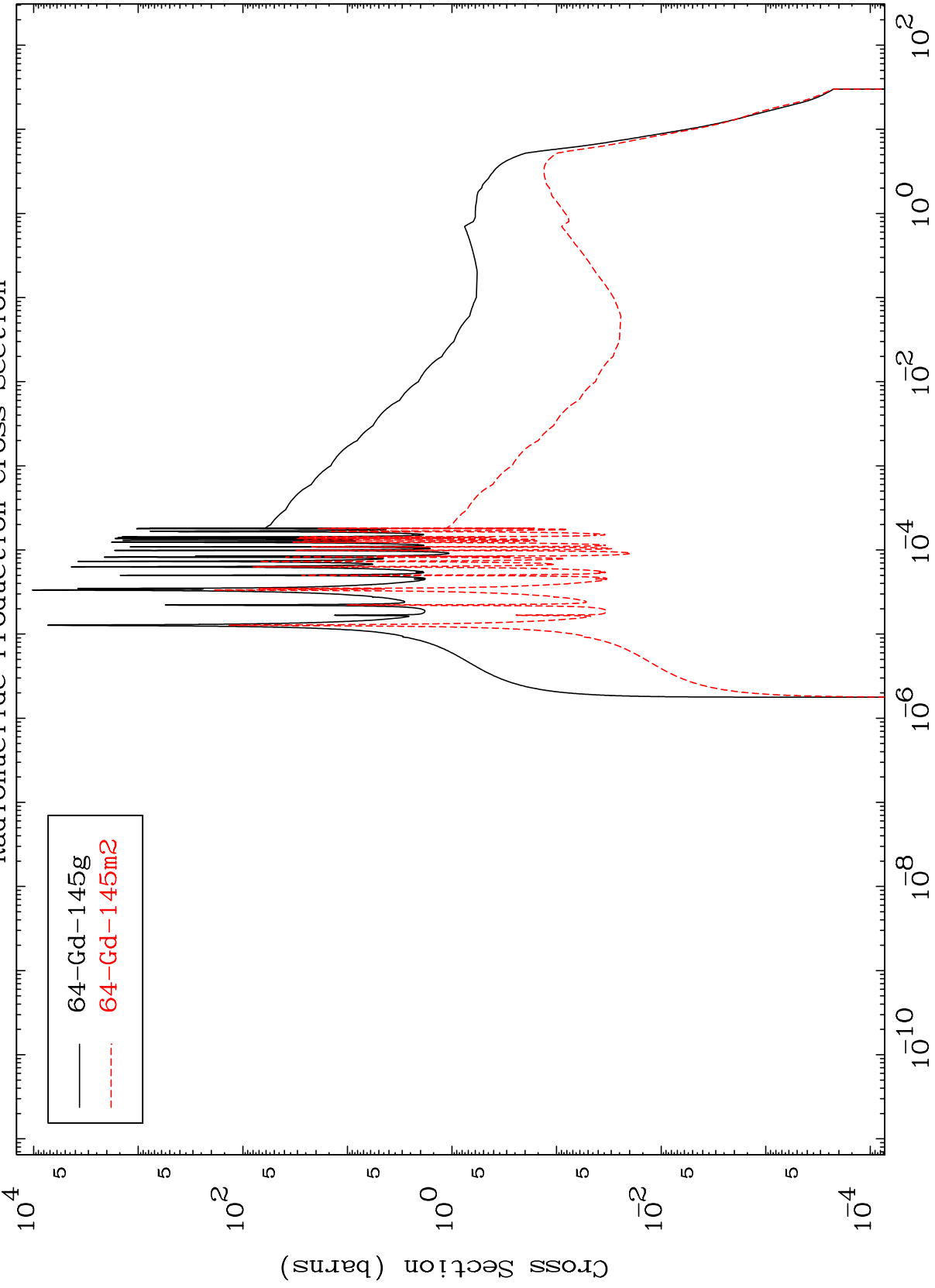
93

64-Gd-144

MAT 6401

64-Gd-144

Radionuclide Production Cross Section



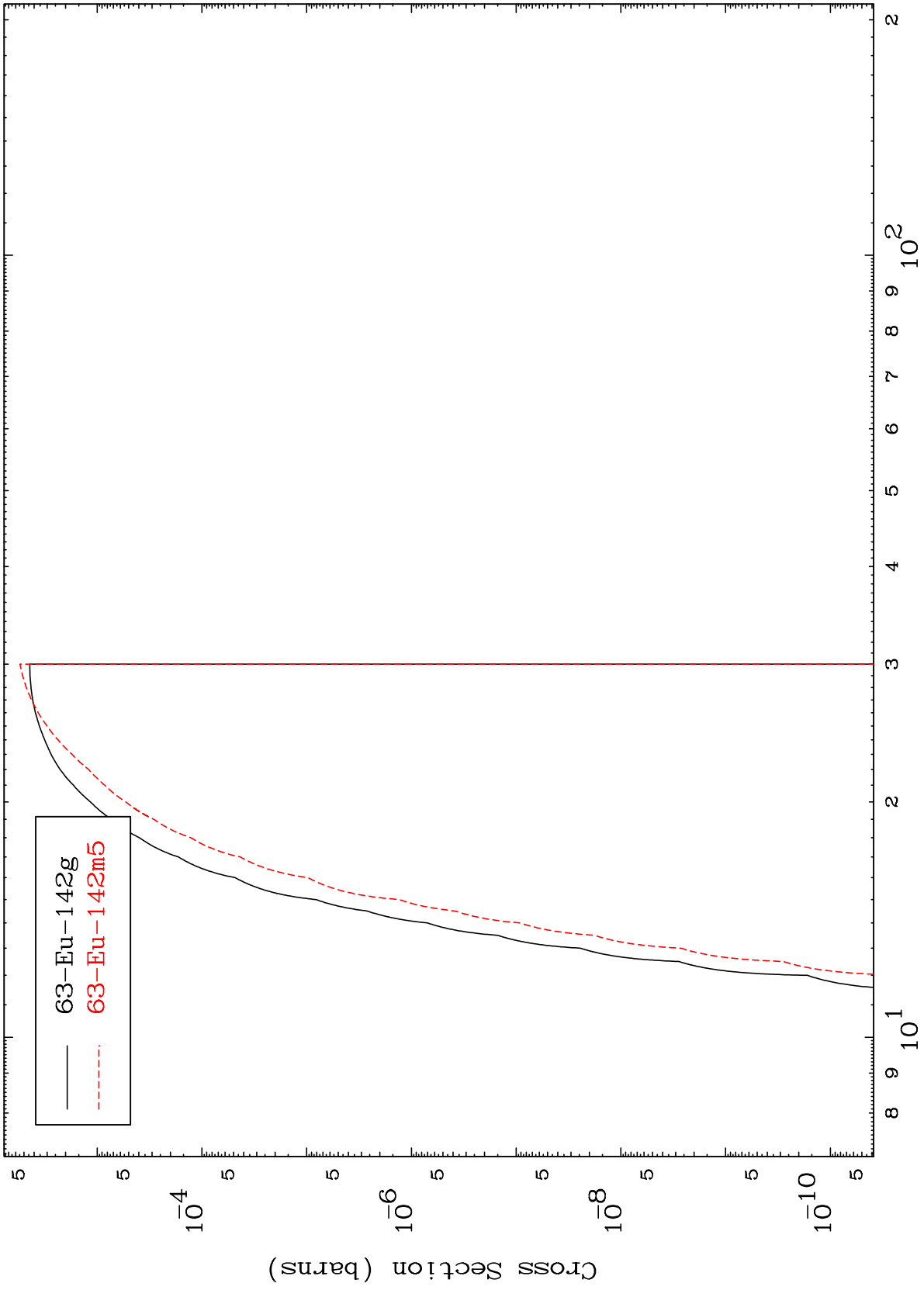
94

64-Gd-144

MAT 6401

64-Gd-144

(n, t)
Radionuclide Production Cross Section



63-Eu-142g
63-Eu-142m5

95

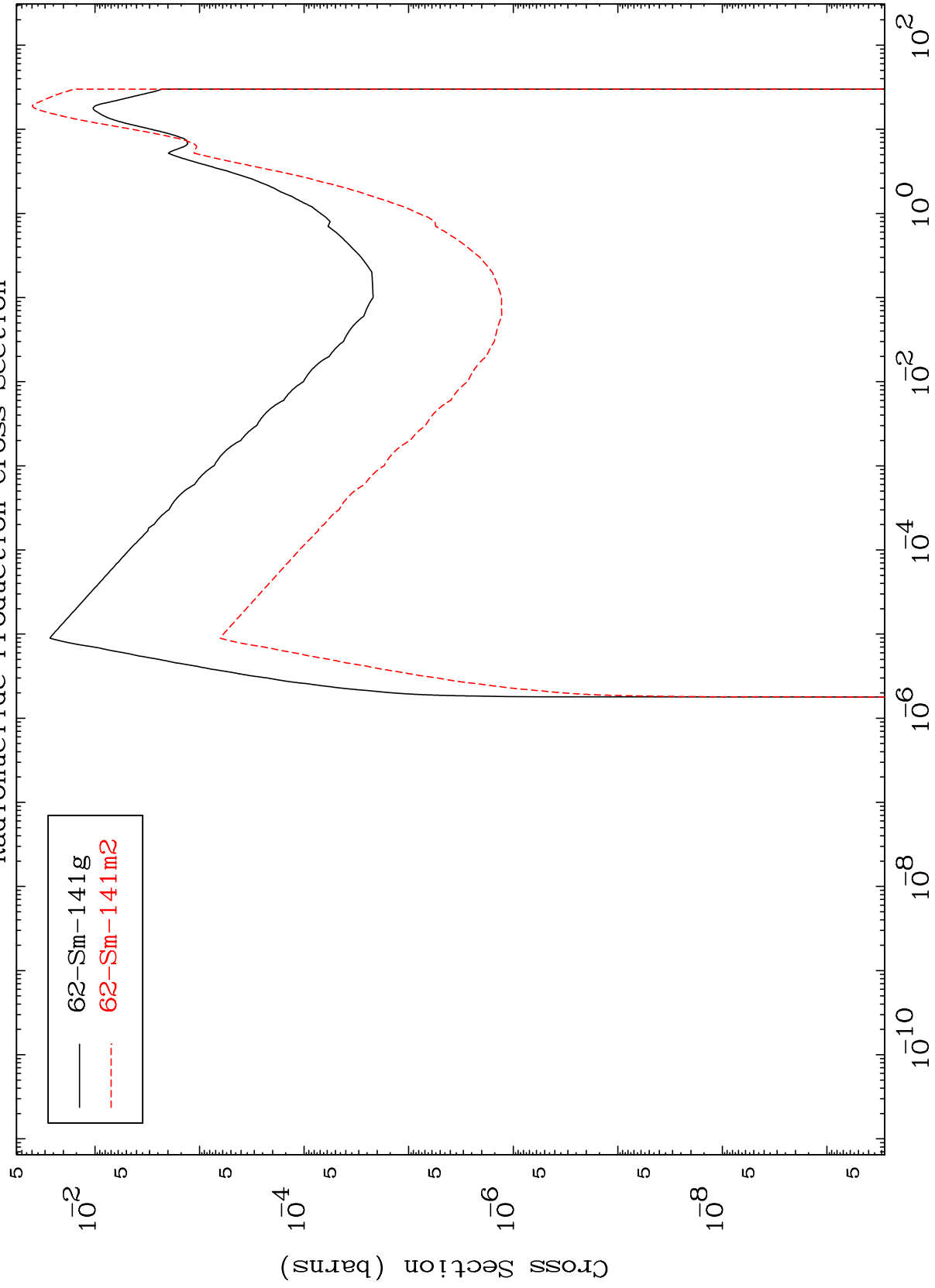
Incident Energy (MeV)

64-Gd-144

MAT 6401

Radionuclide Production Cross Section
(n, α)

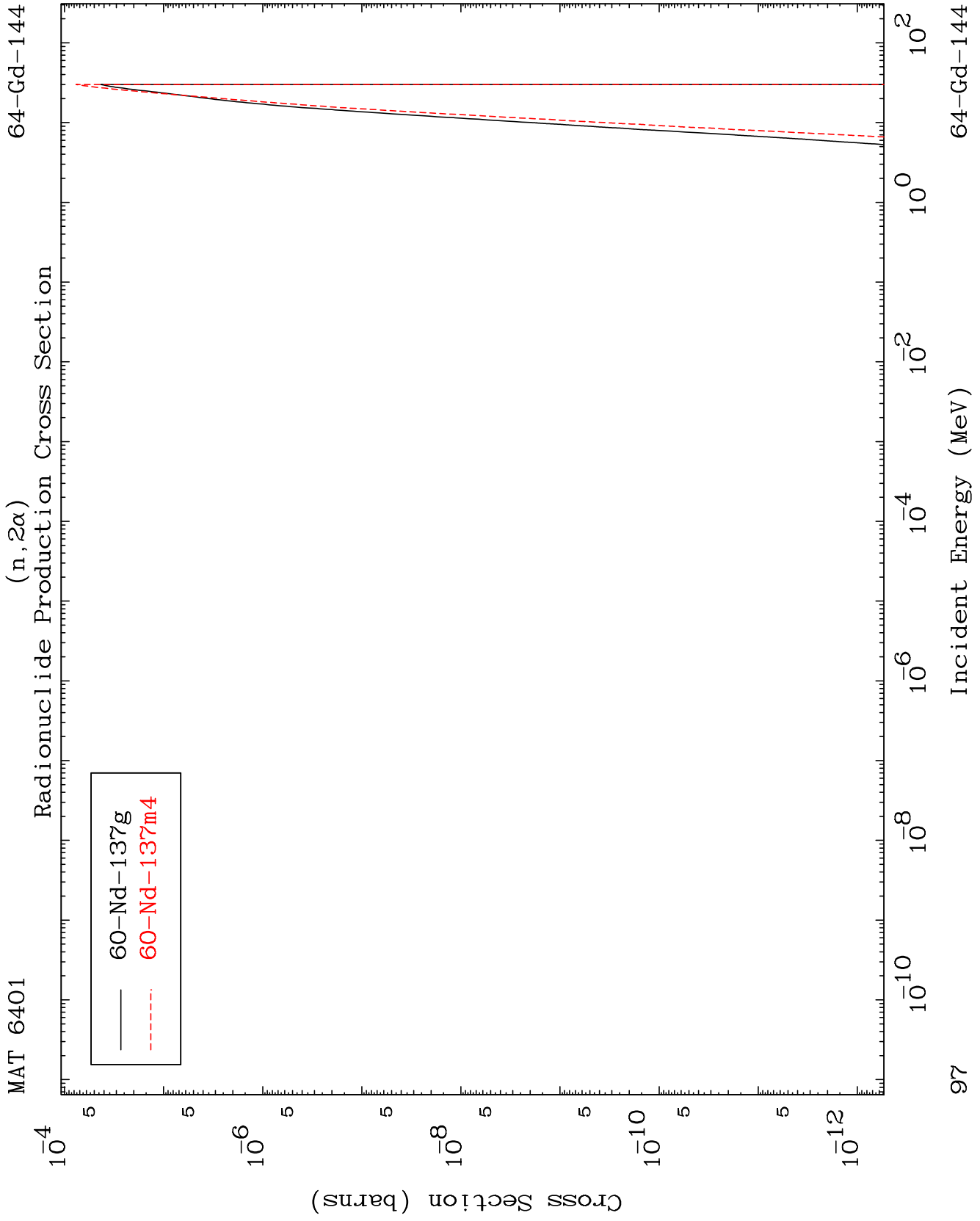
64-Gd-144



62-Sm-141 g
62-Sm-141 m2

96

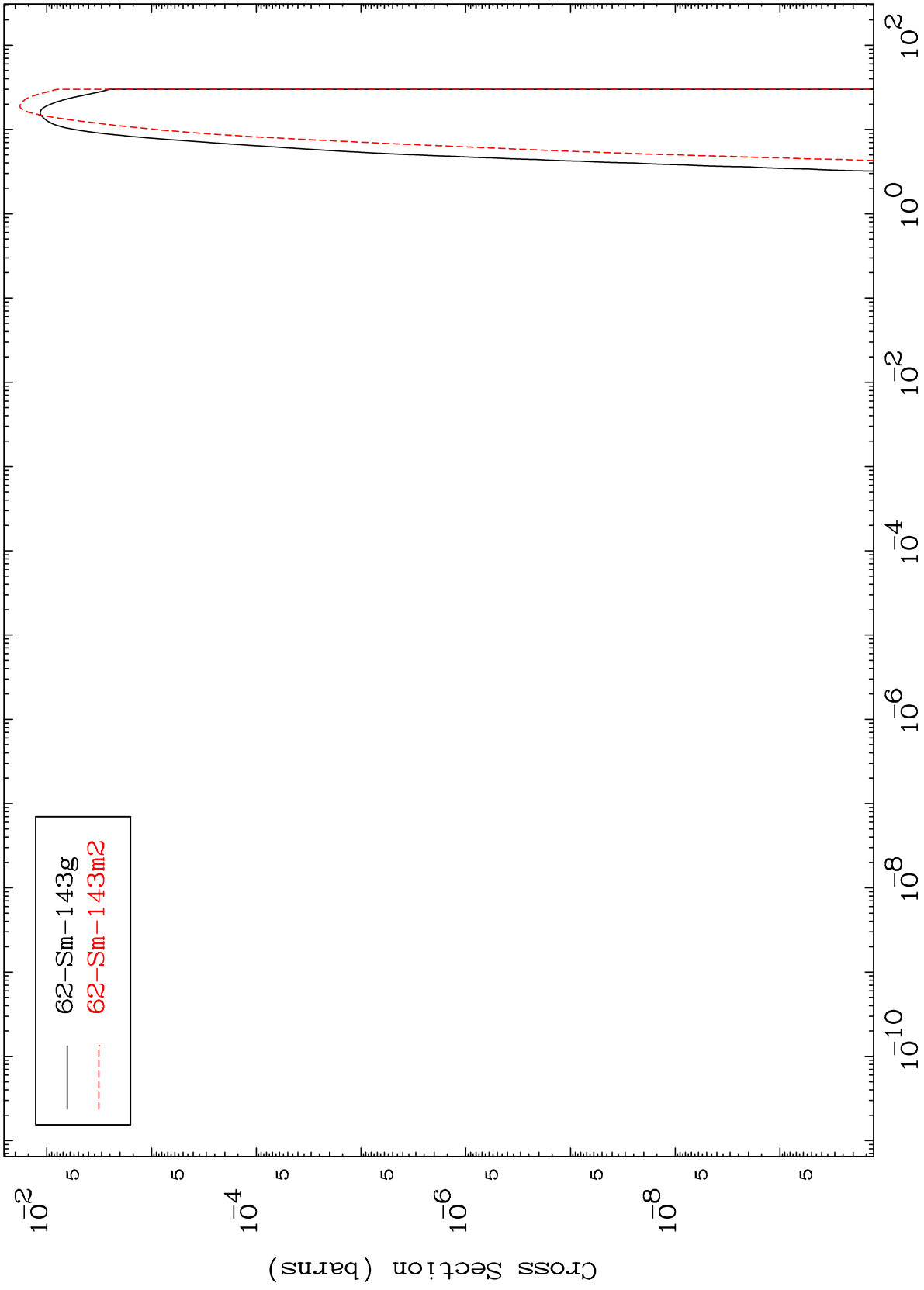
64-Gd-144



MAT 6401

(n,2p)
Radionuclide Production Cross Section

64-Gd-144



98

Incident Energy (MeV)

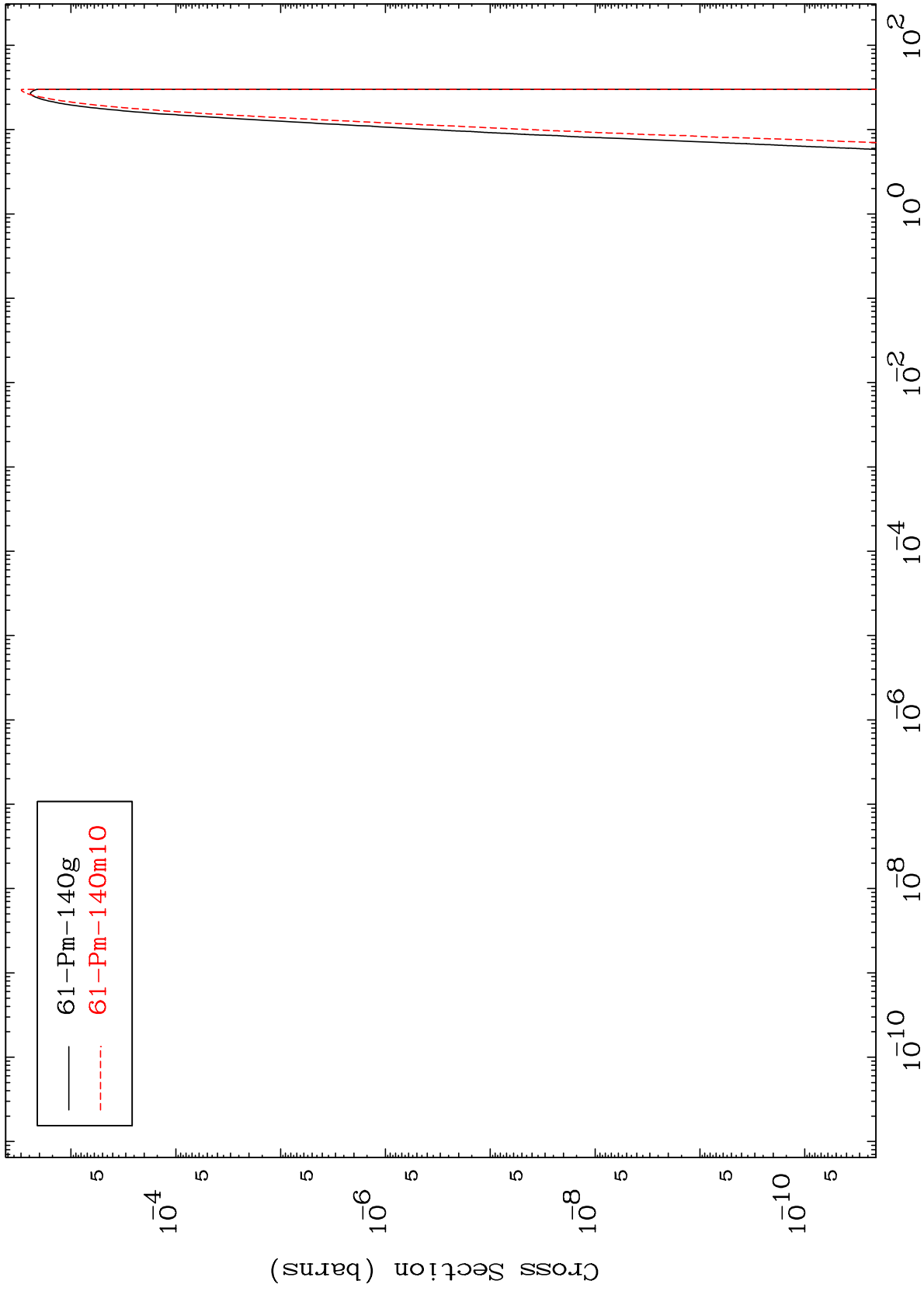
64-Gd-144

MAT 6401

(n,p) α

64-Gd-144

Radionuclide Production Cross Section



99

Incident Energy (MeV)

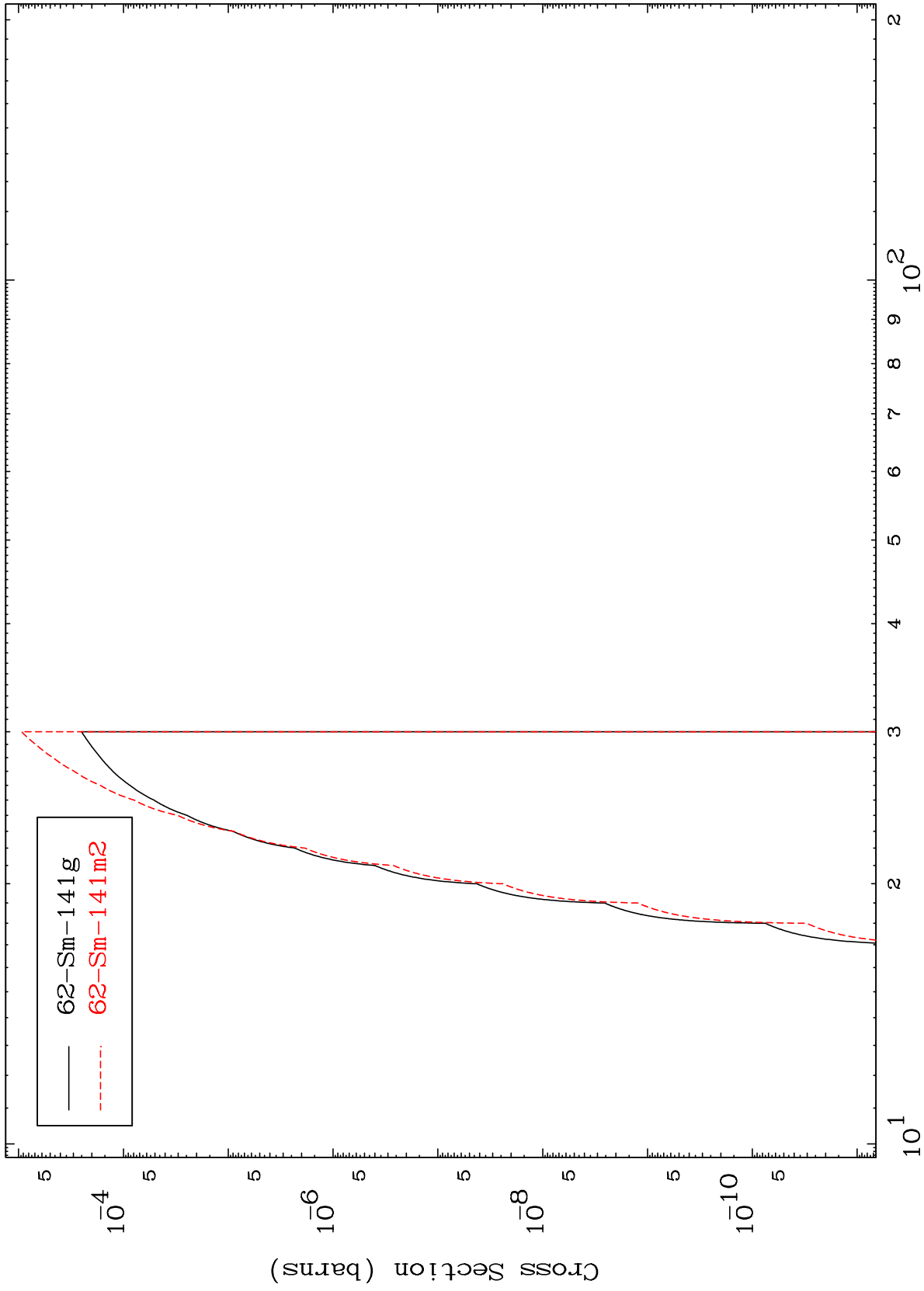
64-Gd-144

MAT 6401

(n,p) t

64-Gd-144

Radionuclide Production Cross Section



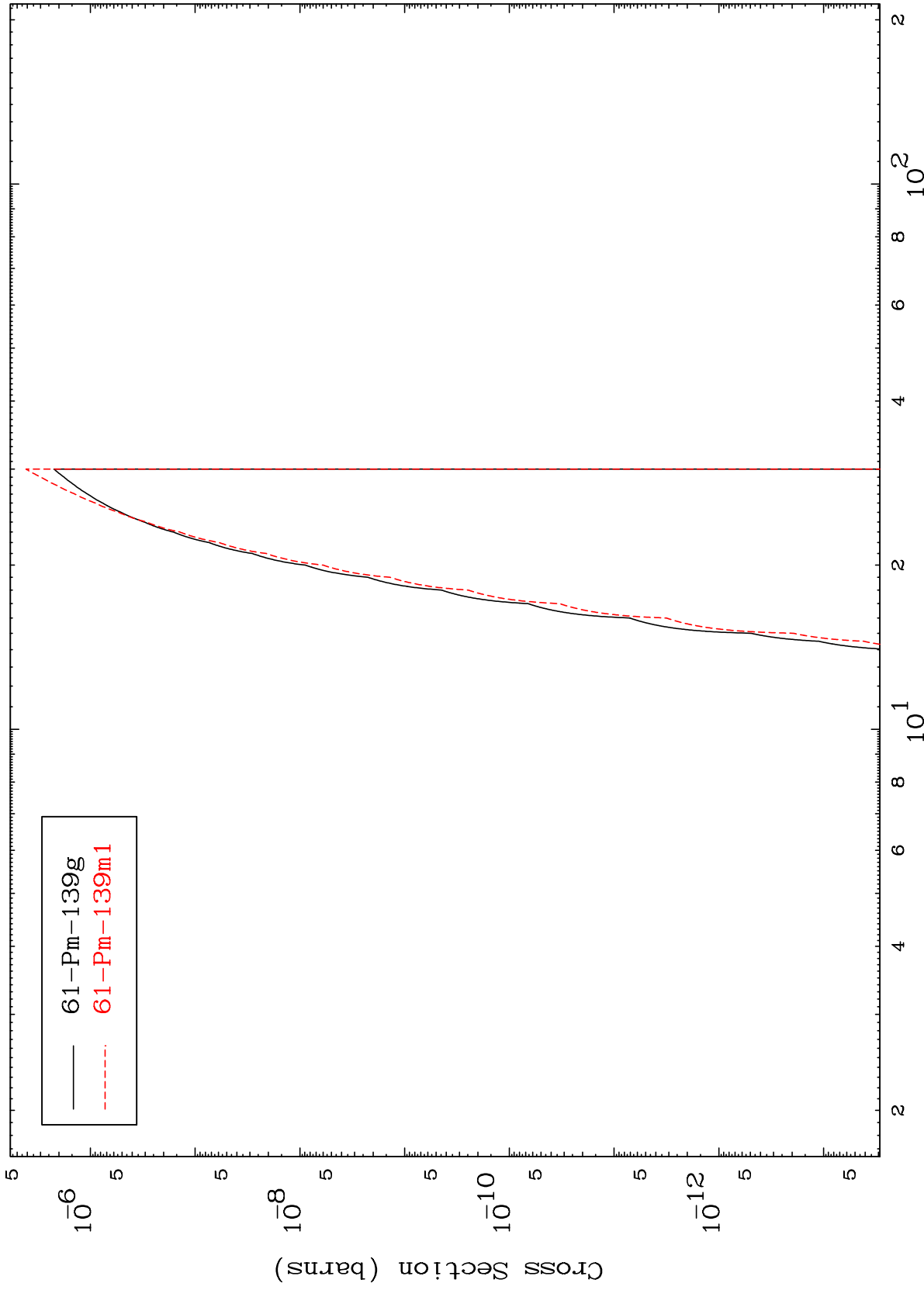
62-Sm-141g
62-Sm-141m2

MAT 6401

(n,d) α

64-Gd-144

Radionuclide Production Cross Section



101

Incident Energy (MeV)

64-Gd-144