

Program EVALPLOT
(Version 2018-1)

by

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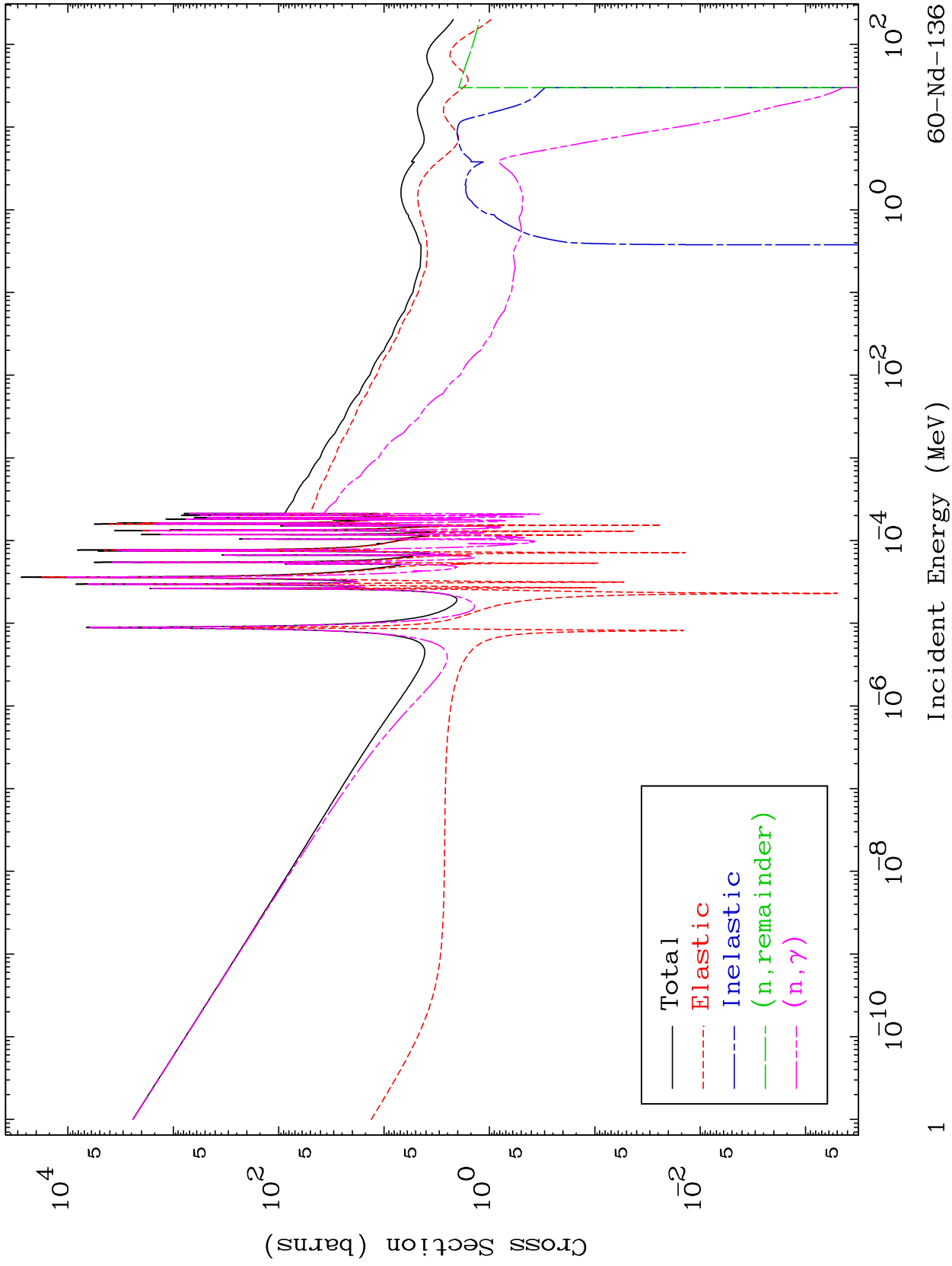
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6007

Major
293 Kelvin Cross Sections

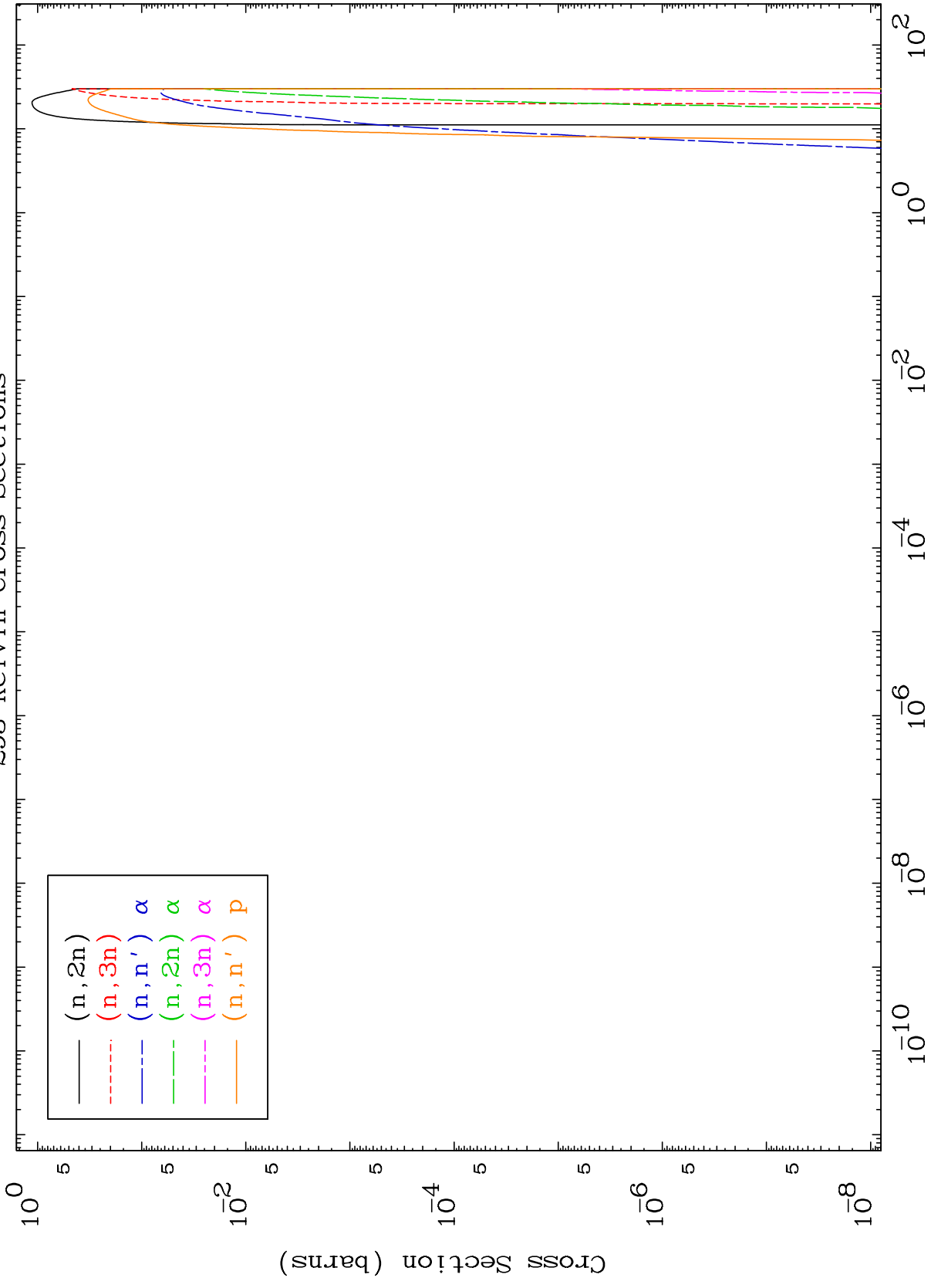
60-Nd-136



MAT 6007

Neutron Production
293 Kelvin Cross Sections

60-Nd-136



2

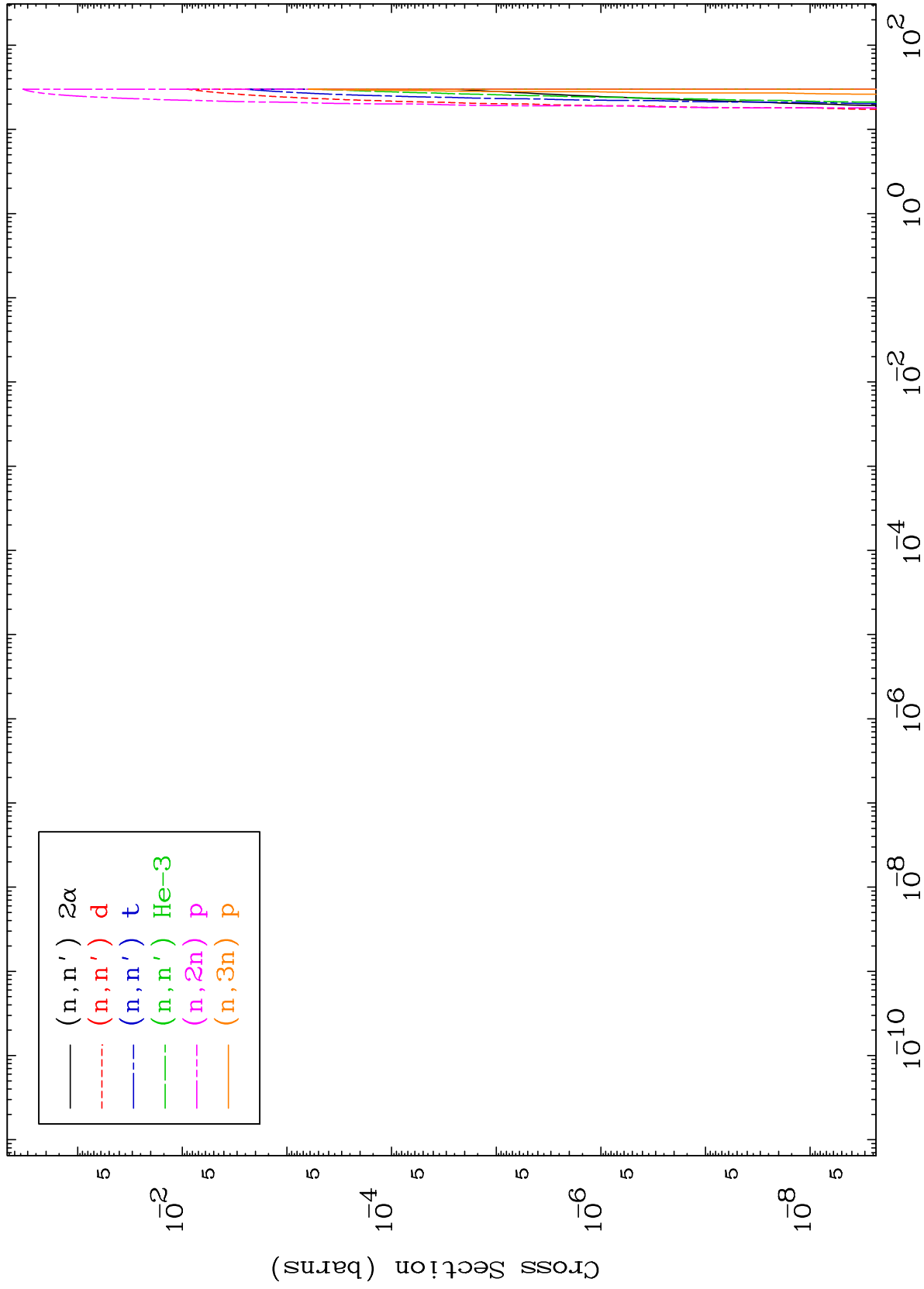
Incident Energy (MeV)

60-Nd-136

MAT 6007

Neutron Production
293 Kelvin Cross Sections

60-Nd-136



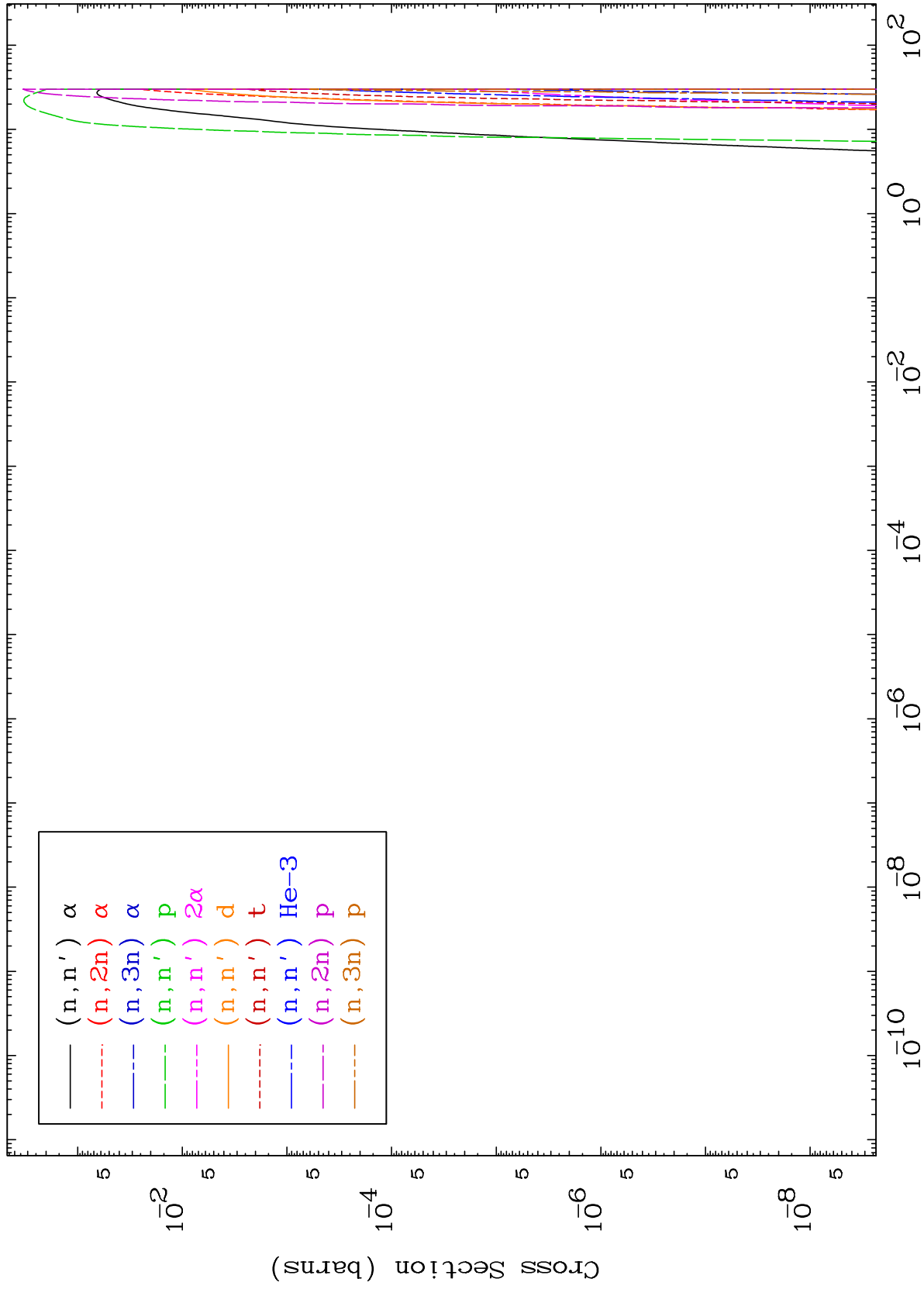
3

60-Nd-136

MAT 6007

Charged Particle
293 Kelvin Cross Sections

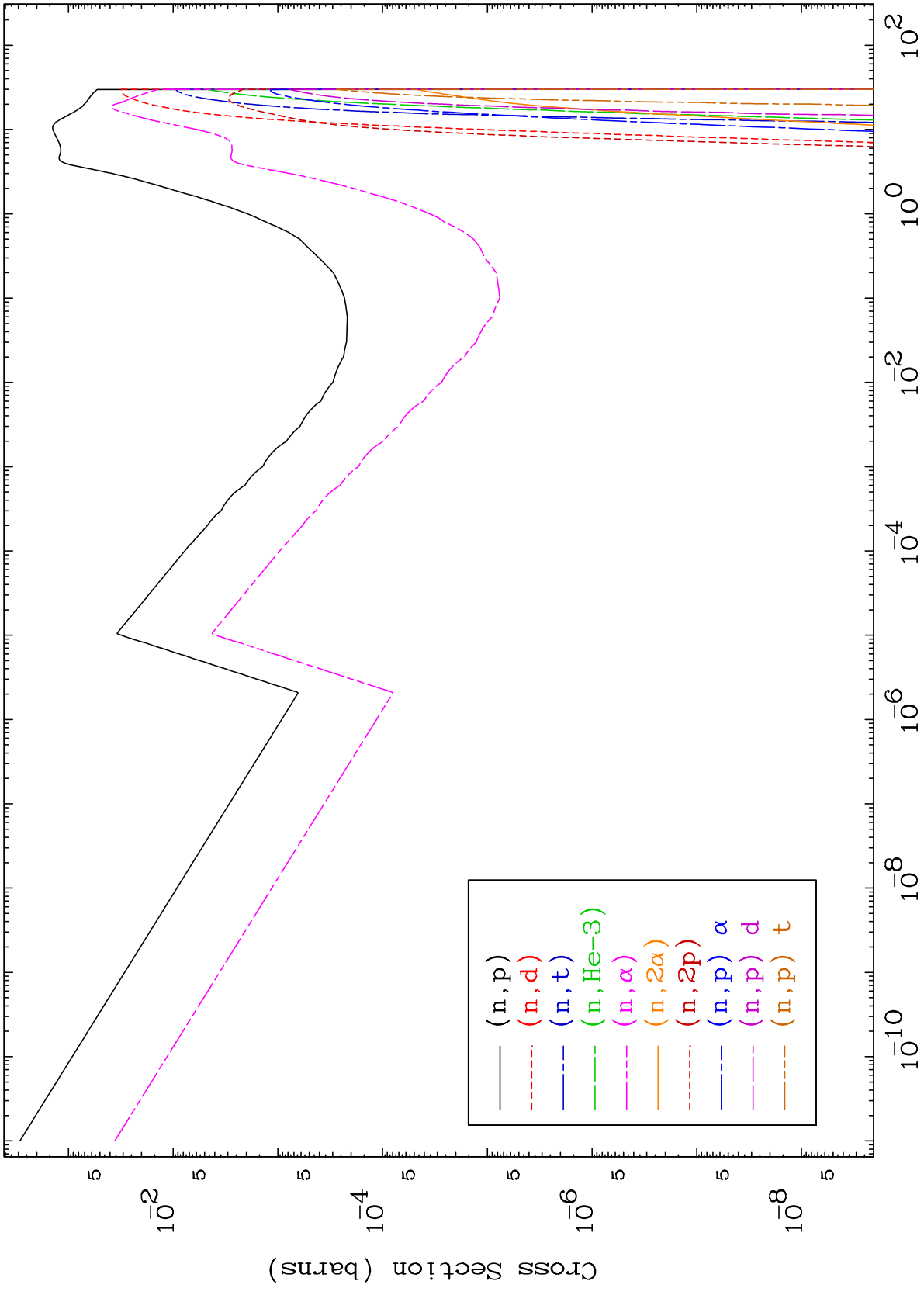
60-Nd-136

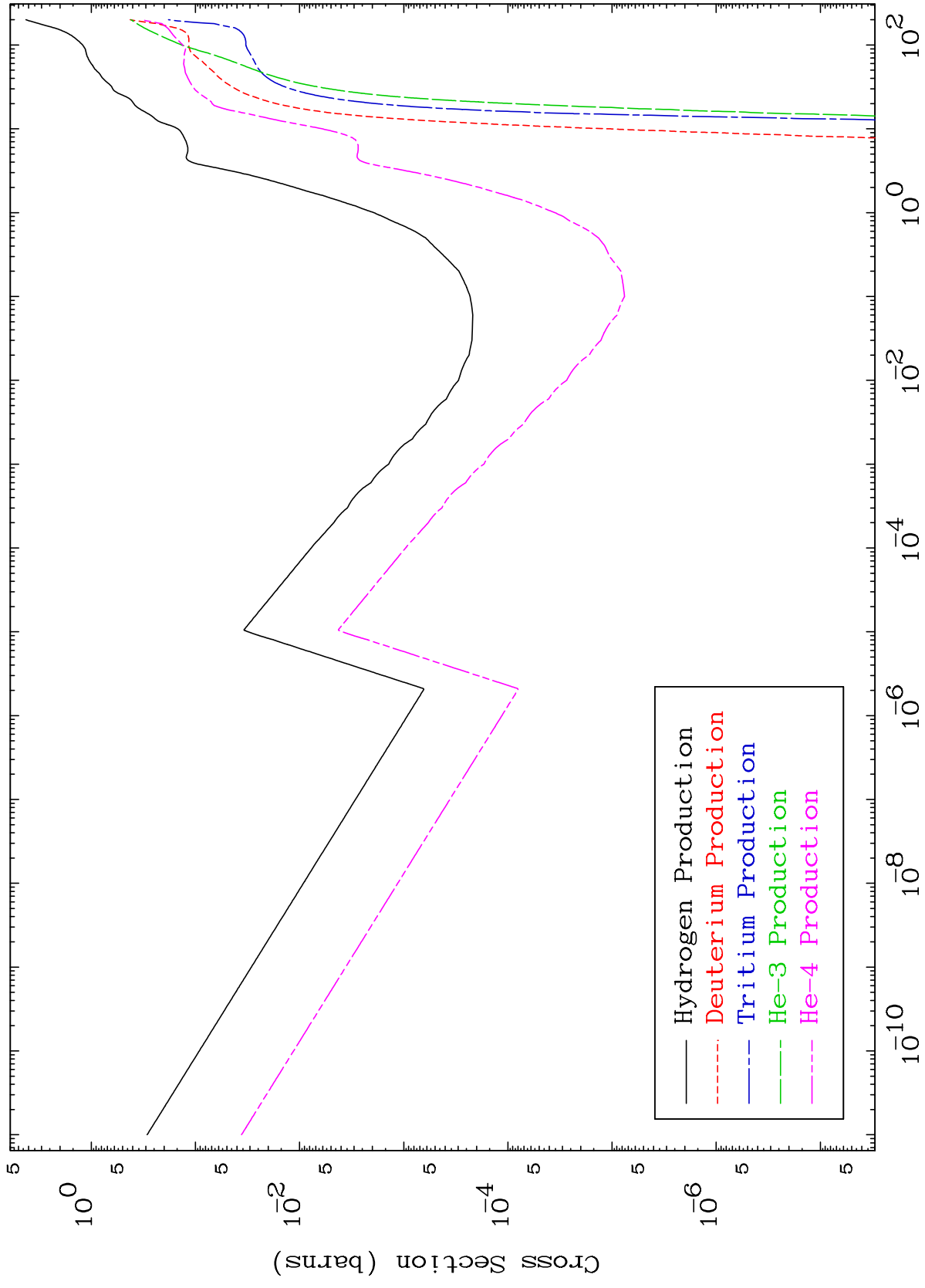


MAT 6007

293 Kelvin Cross Sections

60-Nd-136



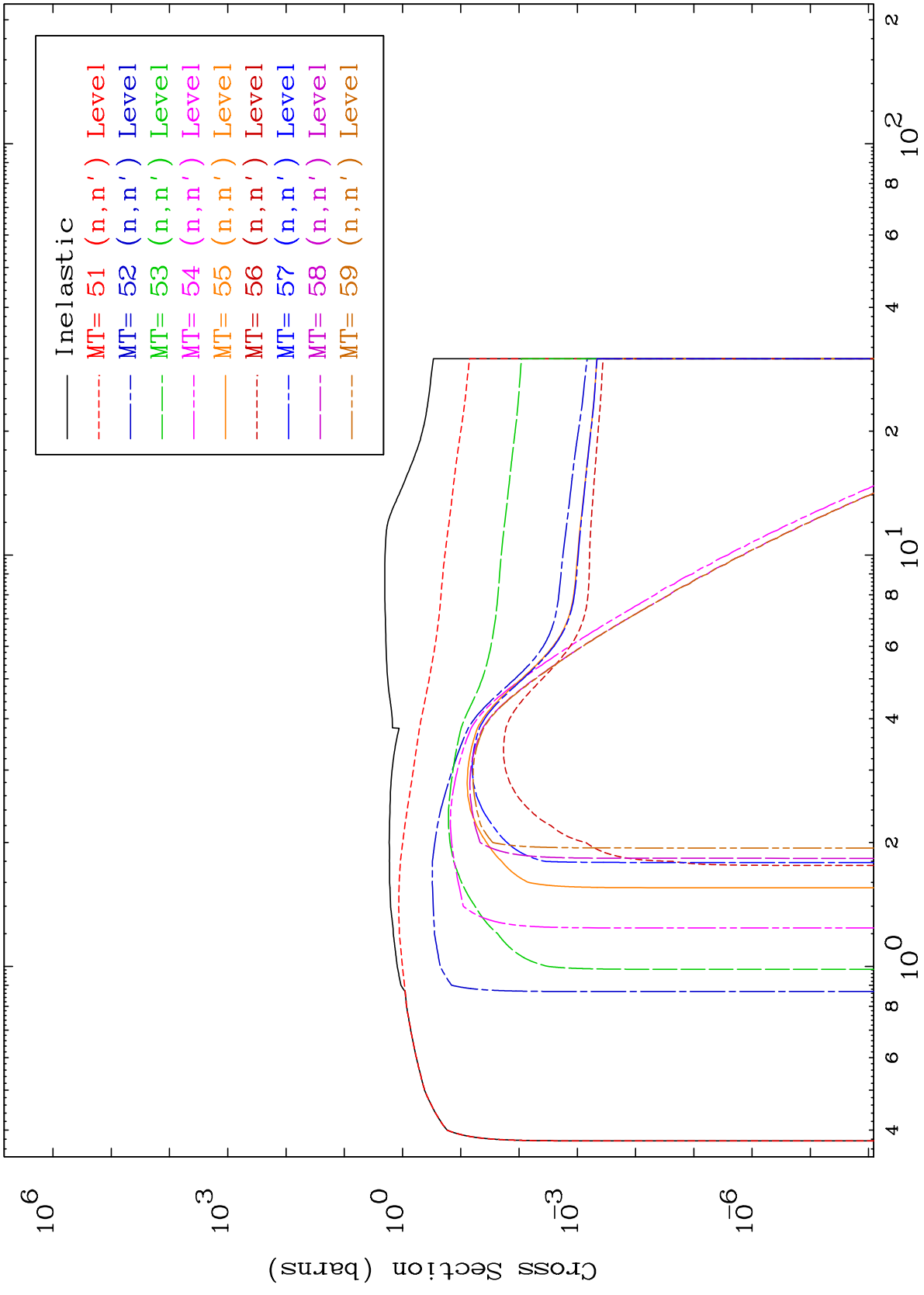


MAT 6007

(n,n') Level

60-Nd-136

293 Kelvin Cross Sections



7

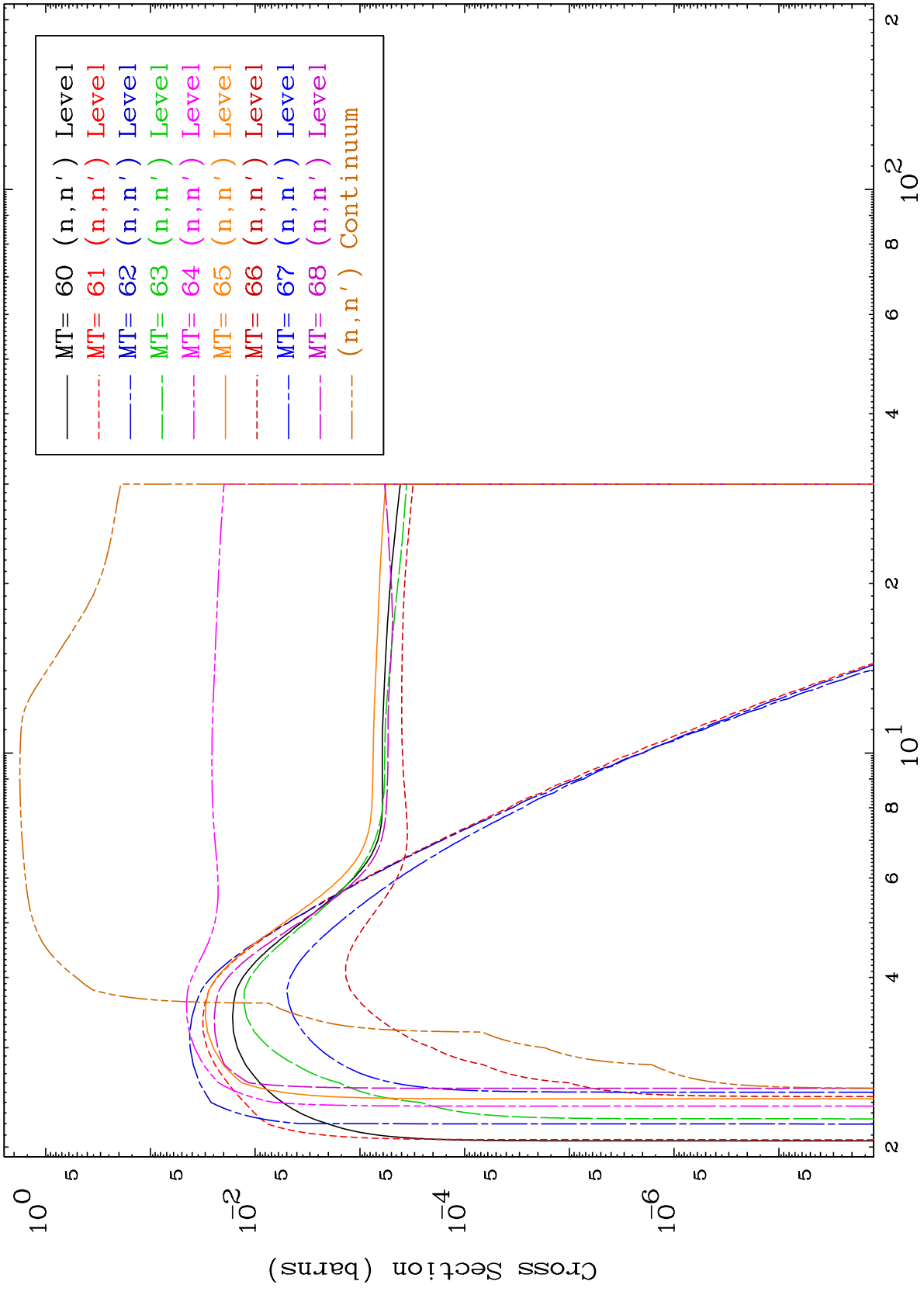
Incident Energy (MeV)

60-Nd-136

MAT 6007

(n,n') Level
293 Kelvin Cross Sections

60-Nd-136



8

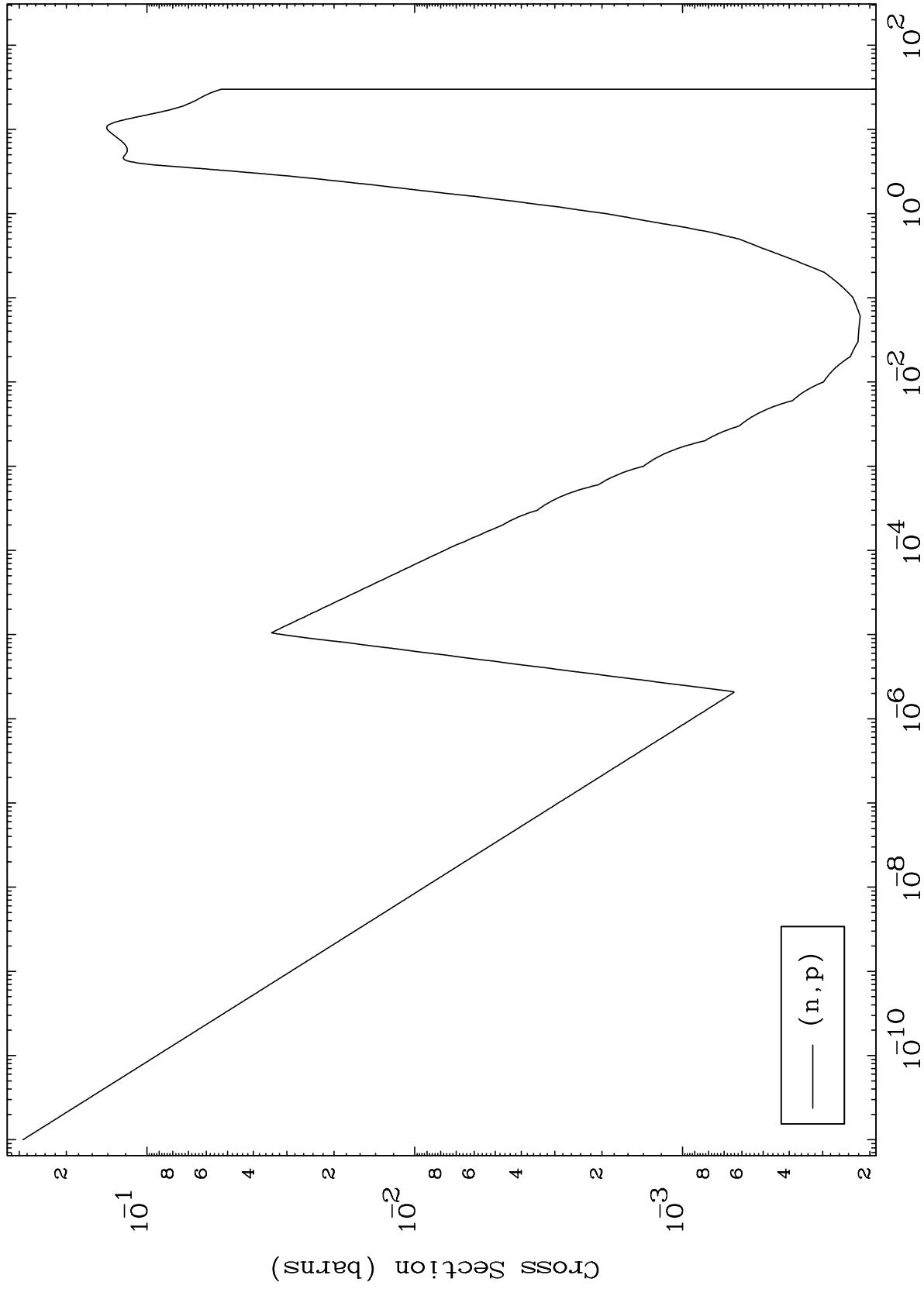
Incident Energy (MeV)

60-Nd-136

MAT 6007

(n,p) Levels
293 Kelvin Cross Sections

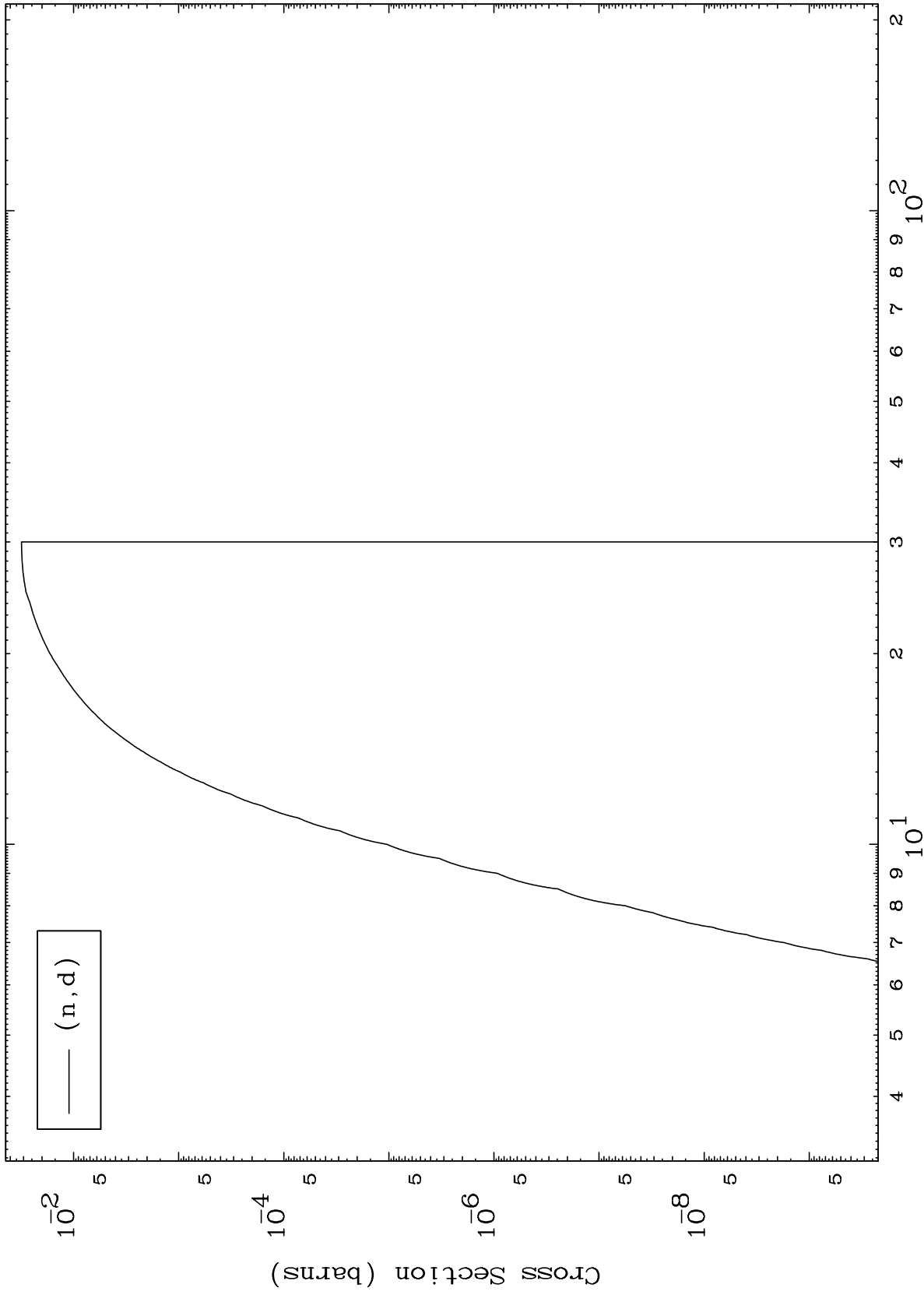
60-Nd-136



MAT 6007

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-136



10

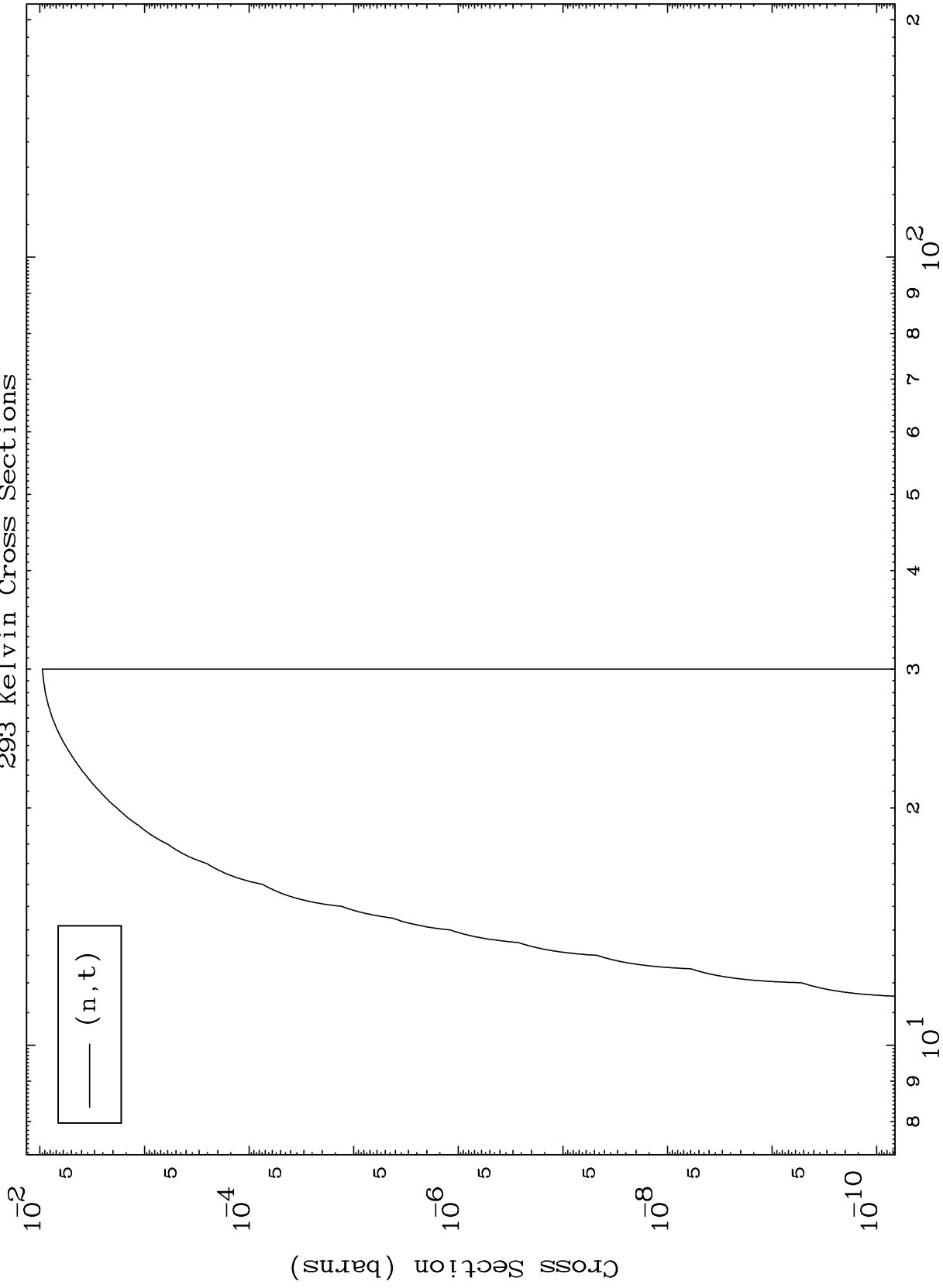
Incident Energy (MeV)

60-Nd-136

MAT 6007

(n,t) Levels
293 Kelvin Cross Sections

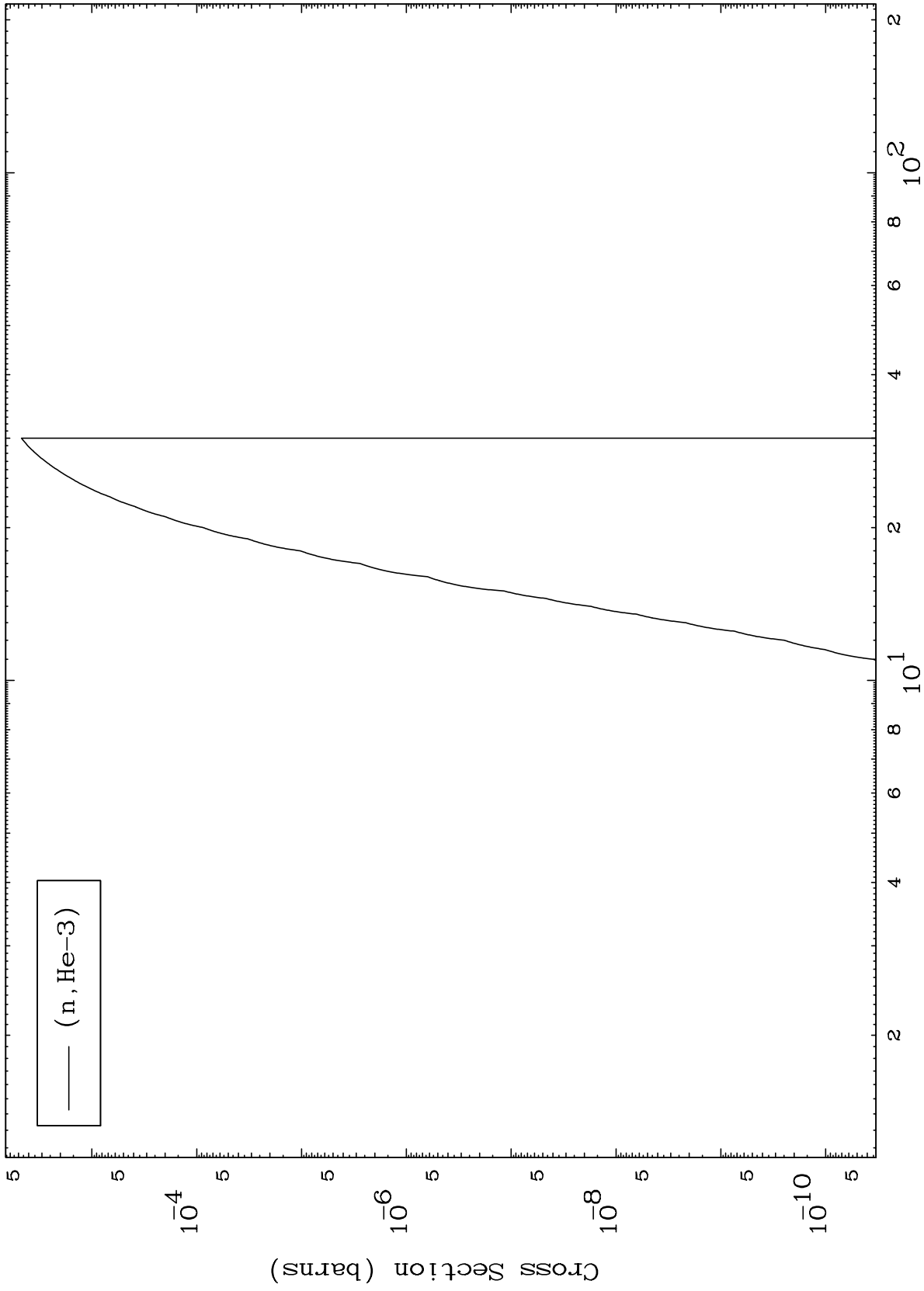
60-Nd-136



MAT 6007

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-136



12

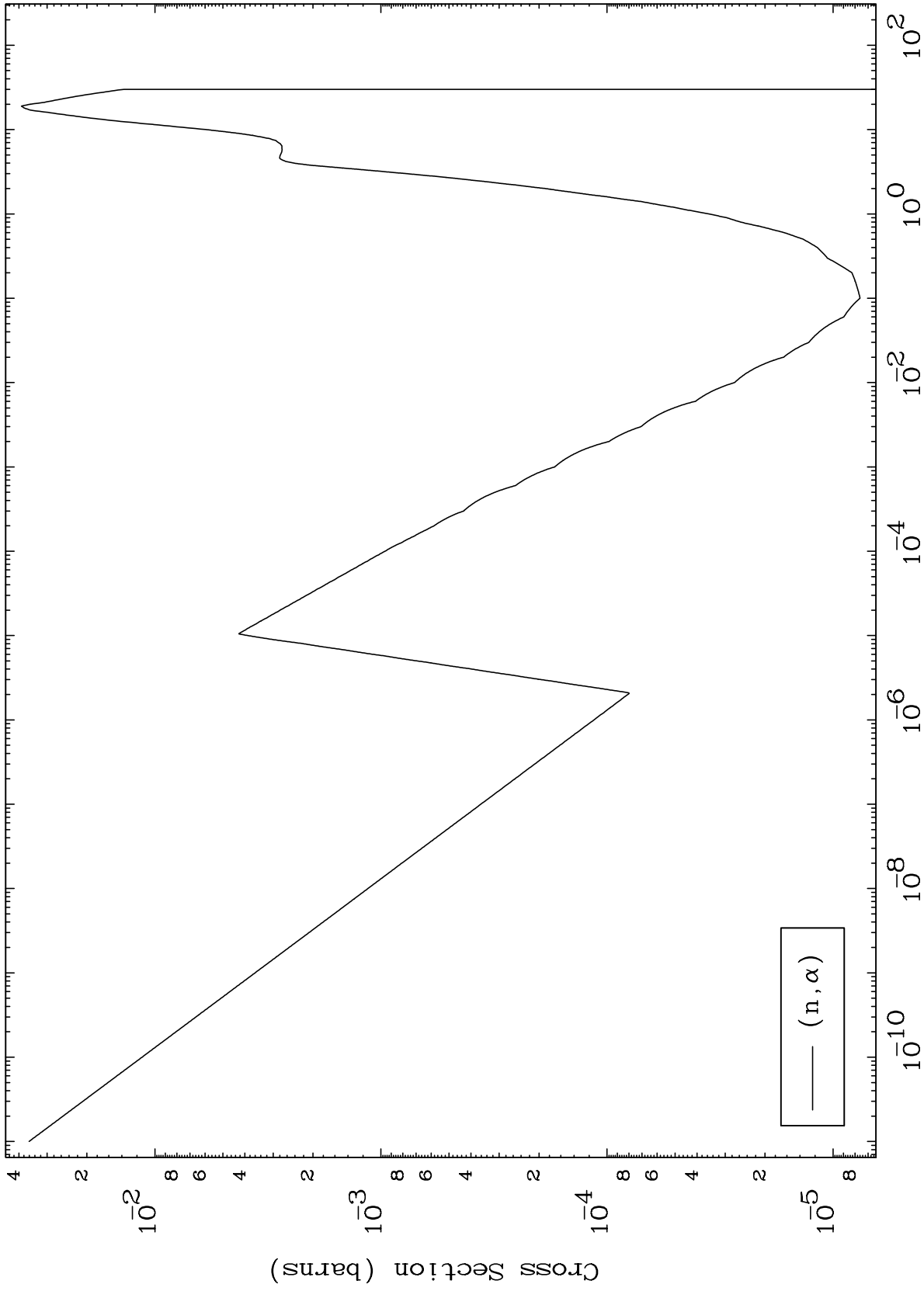
Incident Energy (MeV)

60-Nd-136

MAT 6007

(n,α) Levels
293 Kelvin Cross Sections

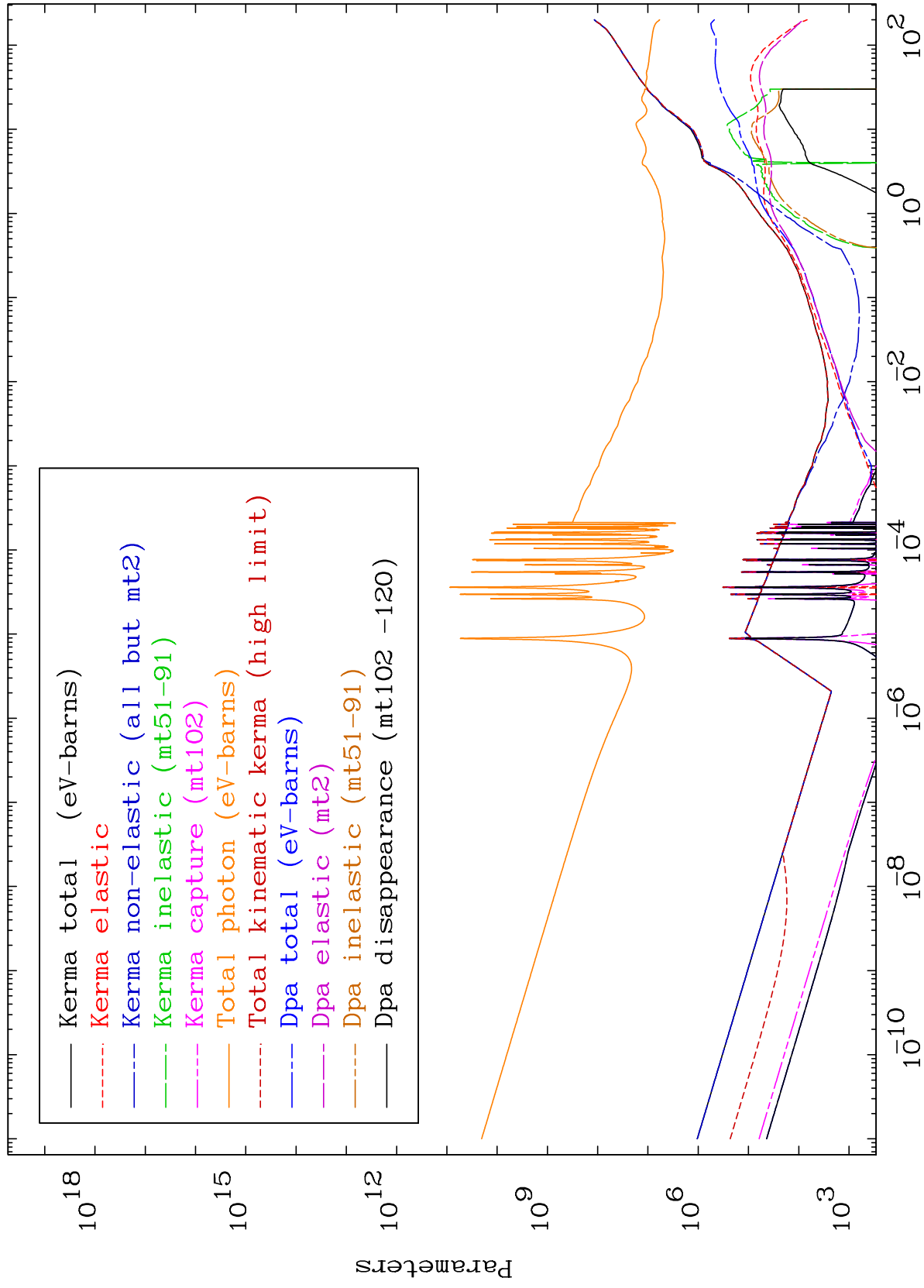
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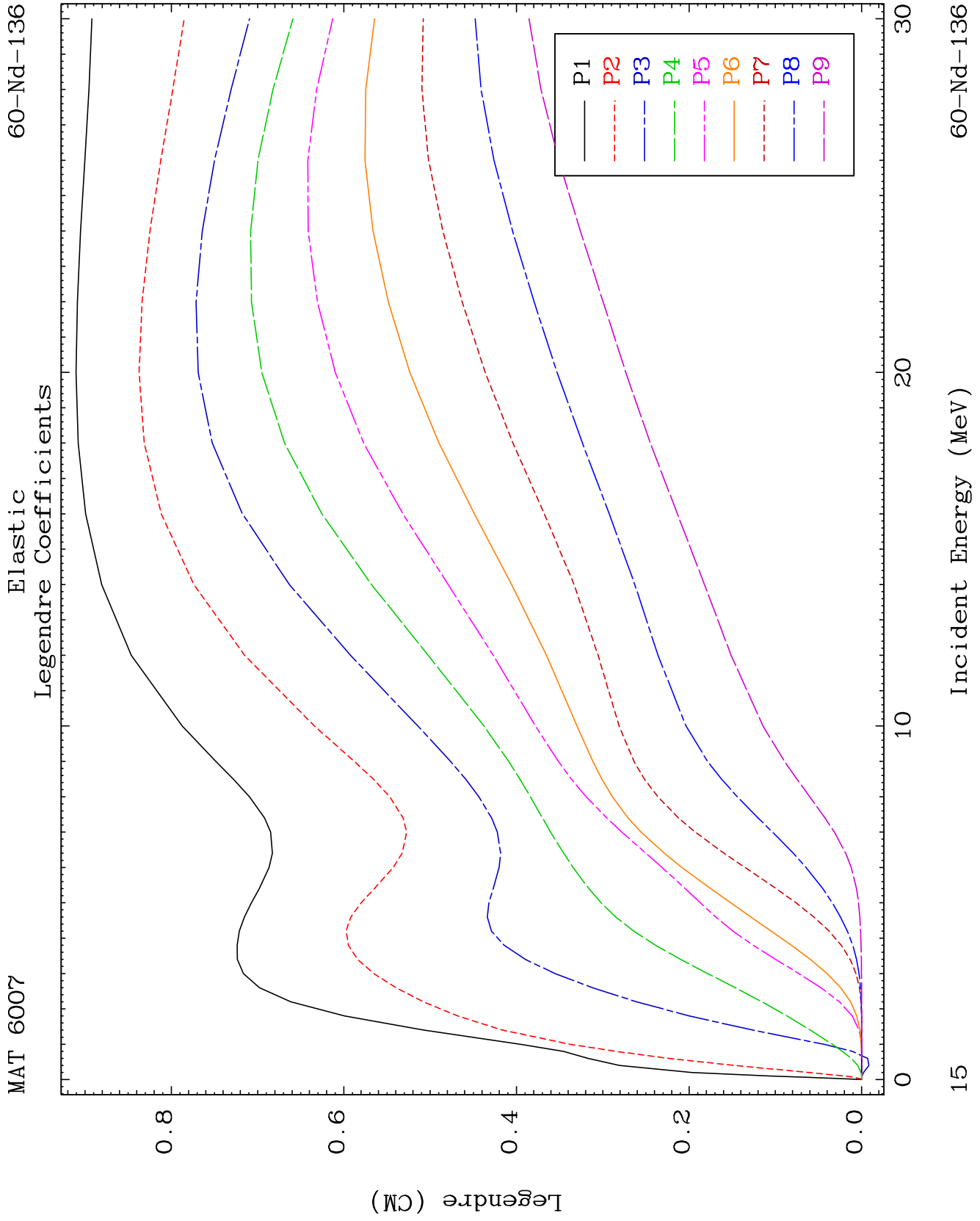


13

Incident Energy (MeV)

60-Nd-136

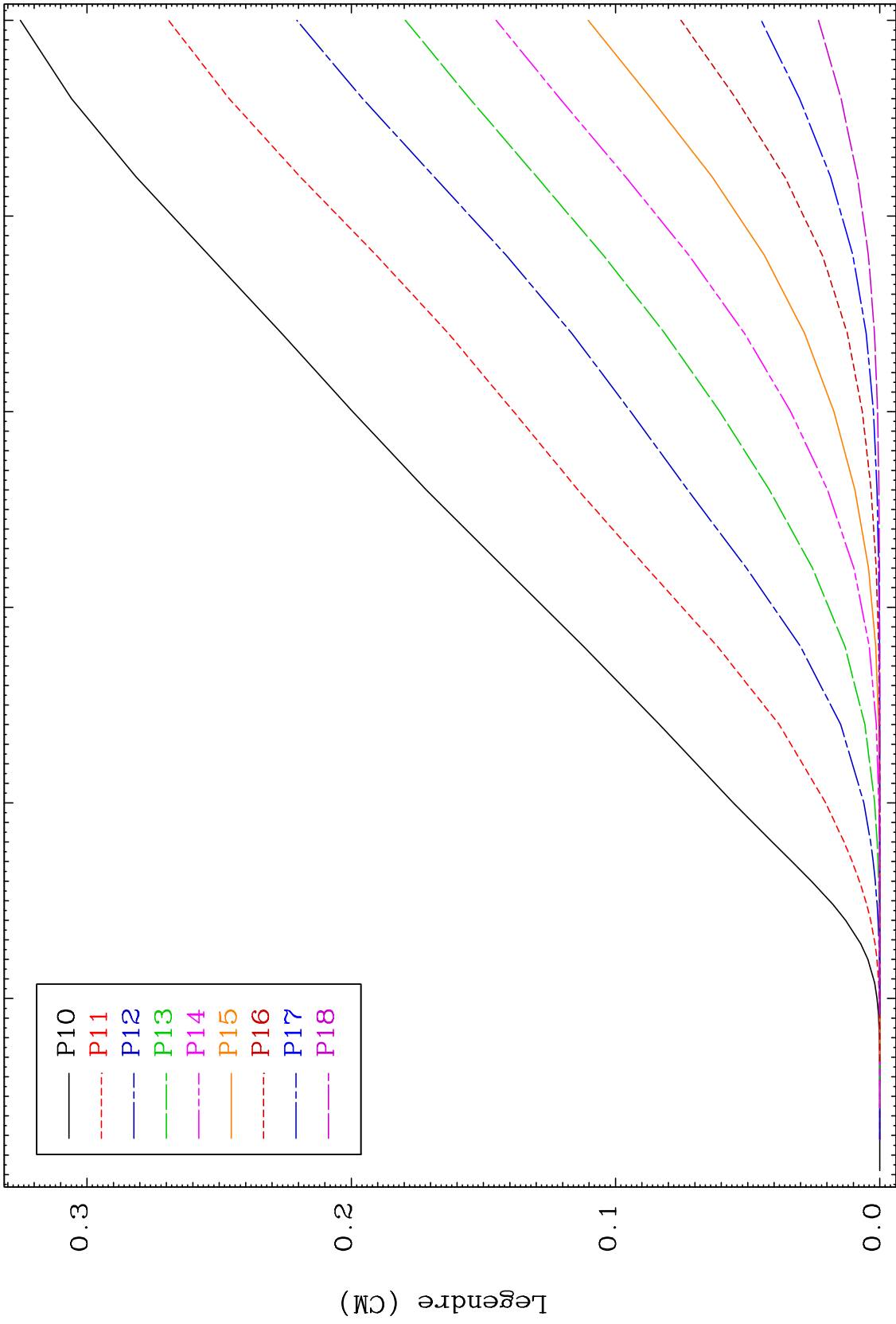




MAT 6007

Elastic Legendre Coefficients

60-Nd-136



16

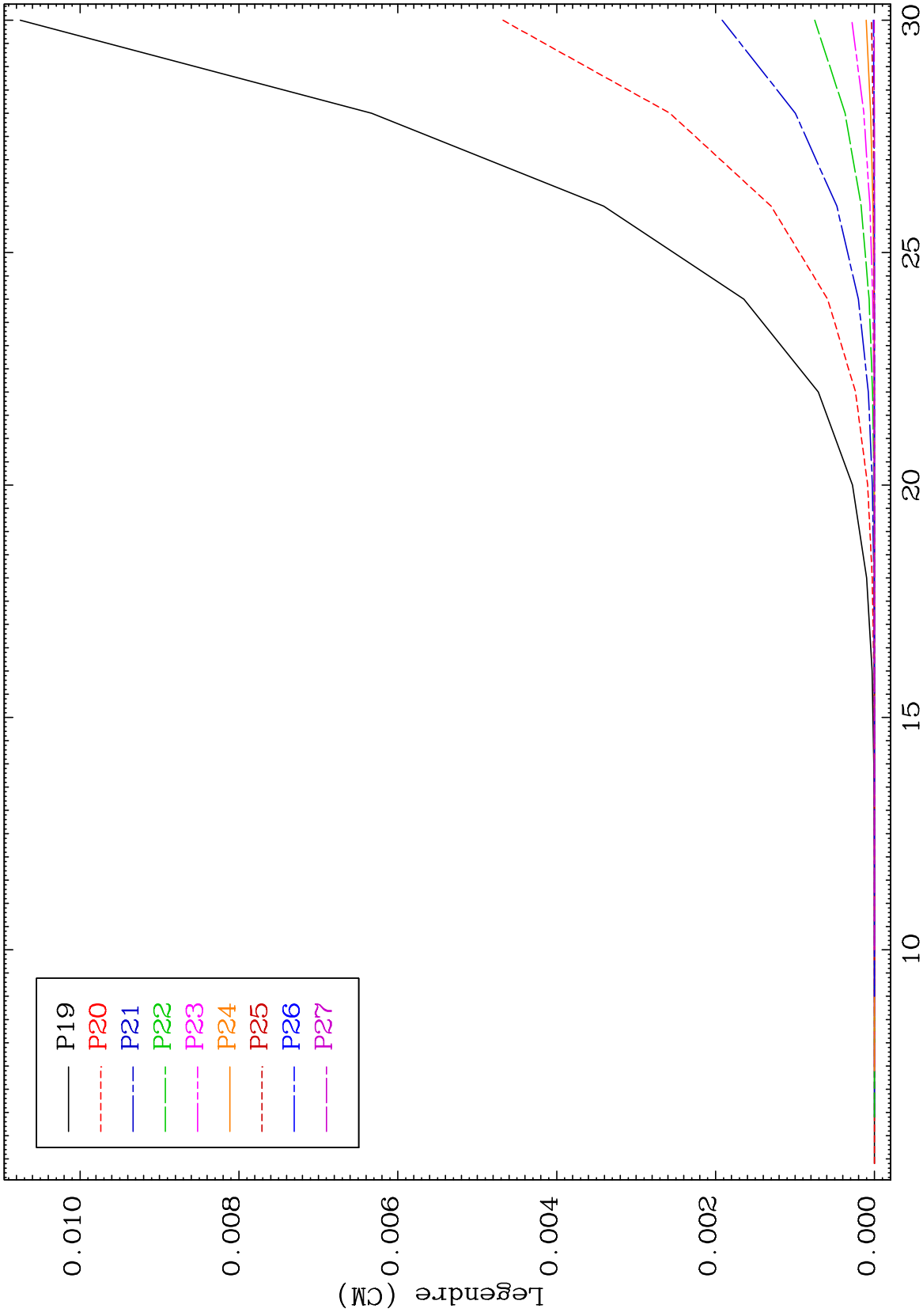
Incident Energy (MeV)

60-Nd-136

MAT 6007

Elastic Legendre Coefficients

60-Nd-136



17

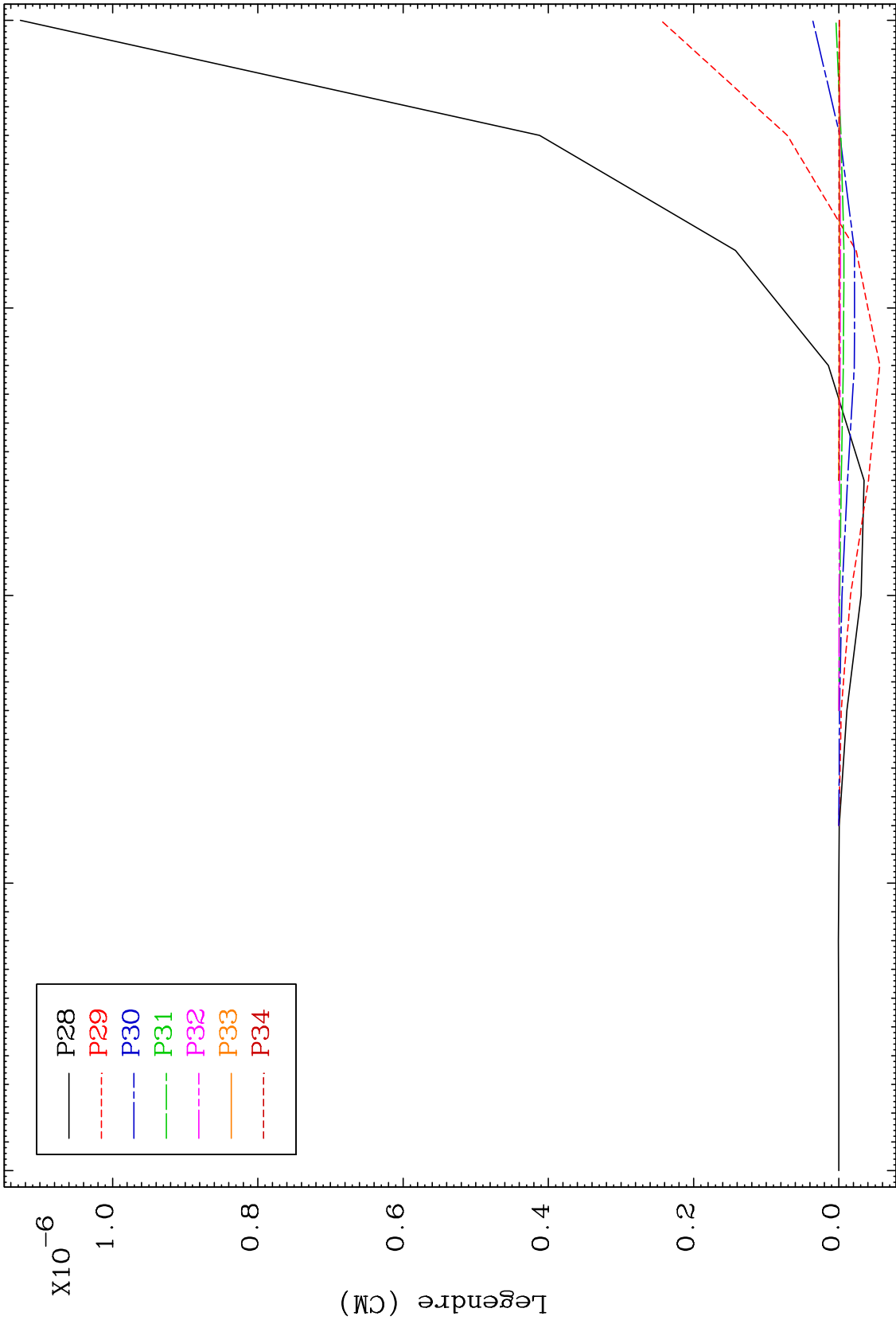
Incident Energy (MeV)

60-Nd-136

MAT 6007

Elastic Legendre Coefficients

60-Nd-136



18

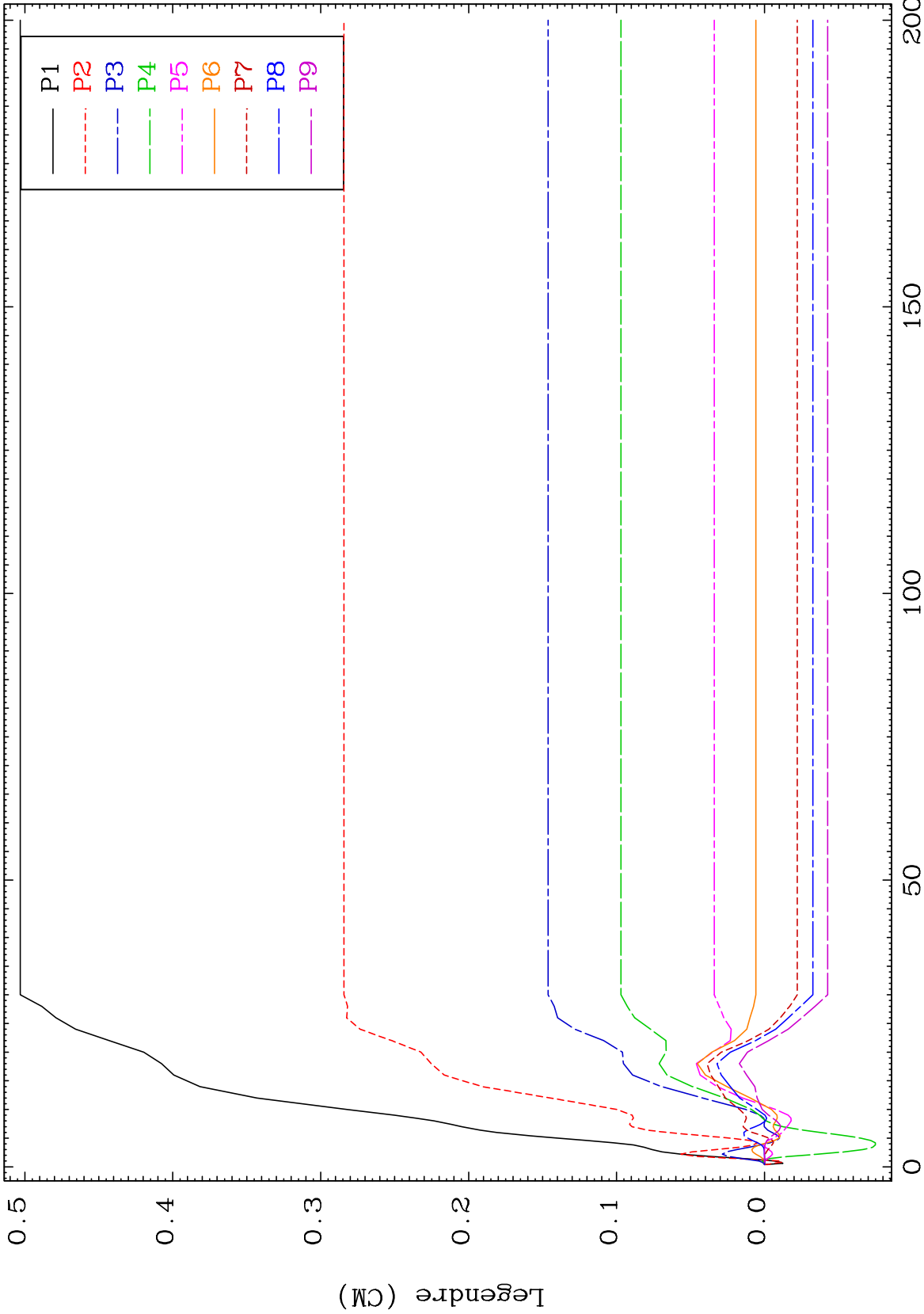
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



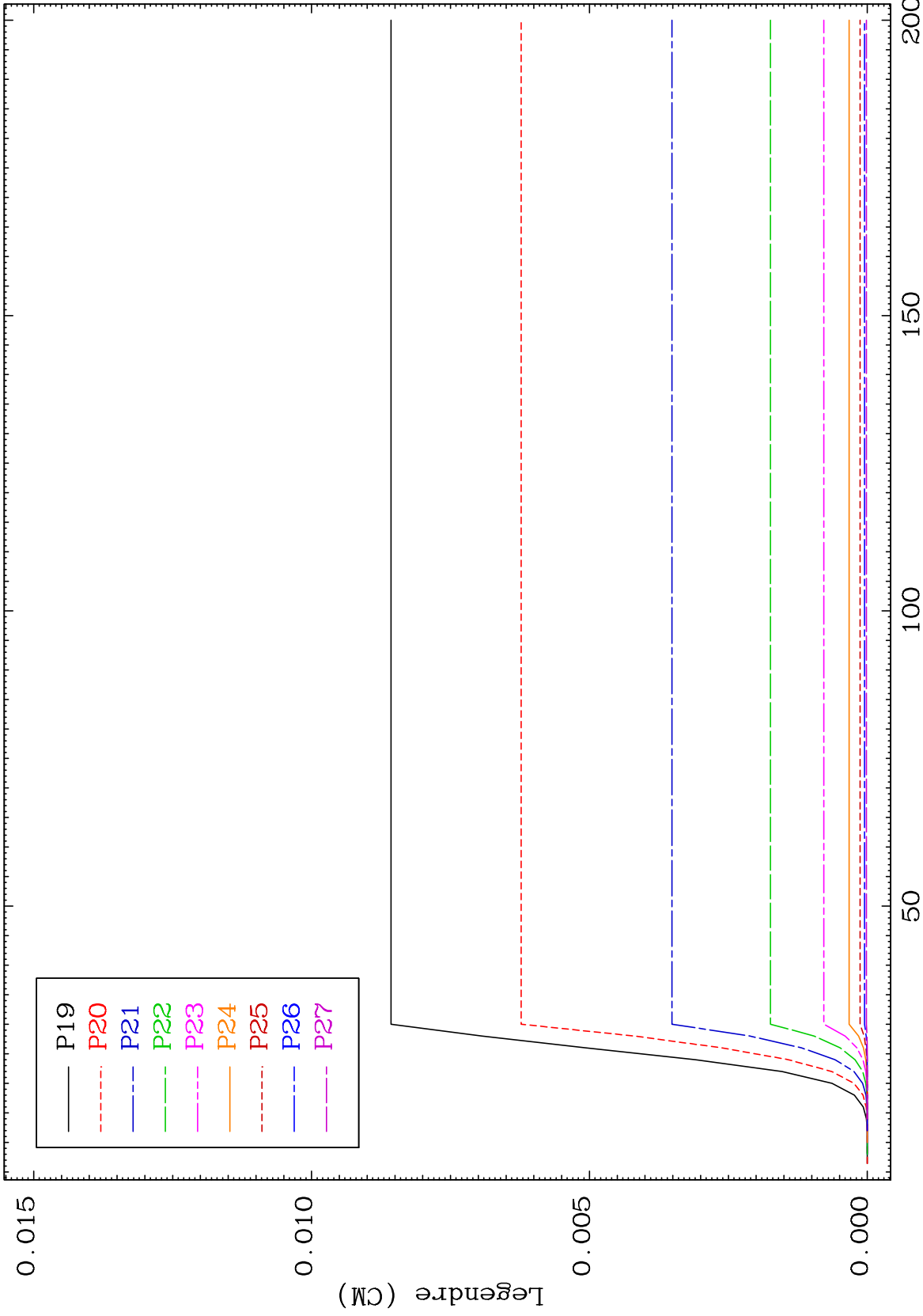
19

60-Nd-136

MAT 6007

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

60-Nd-136



21

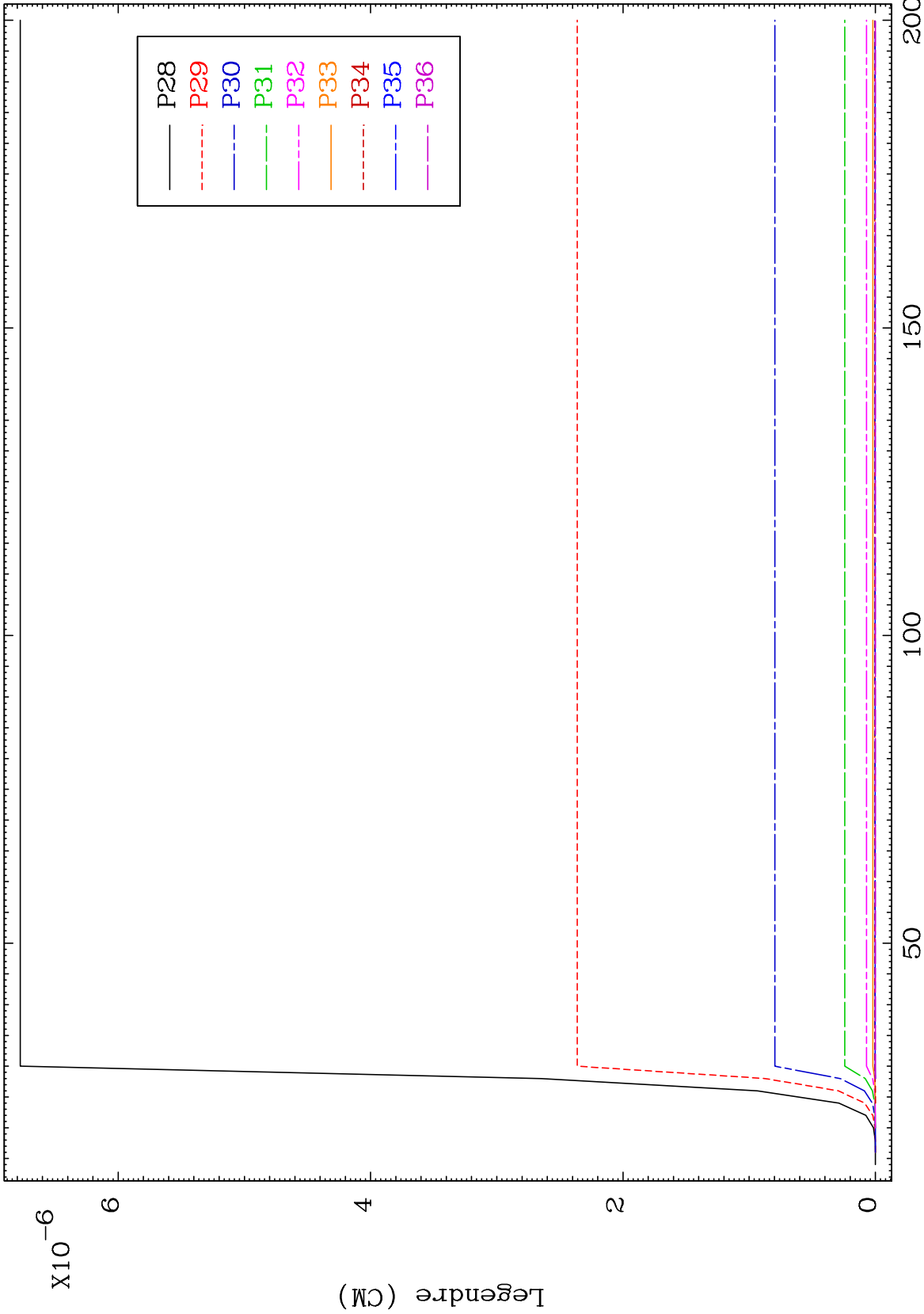
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



22

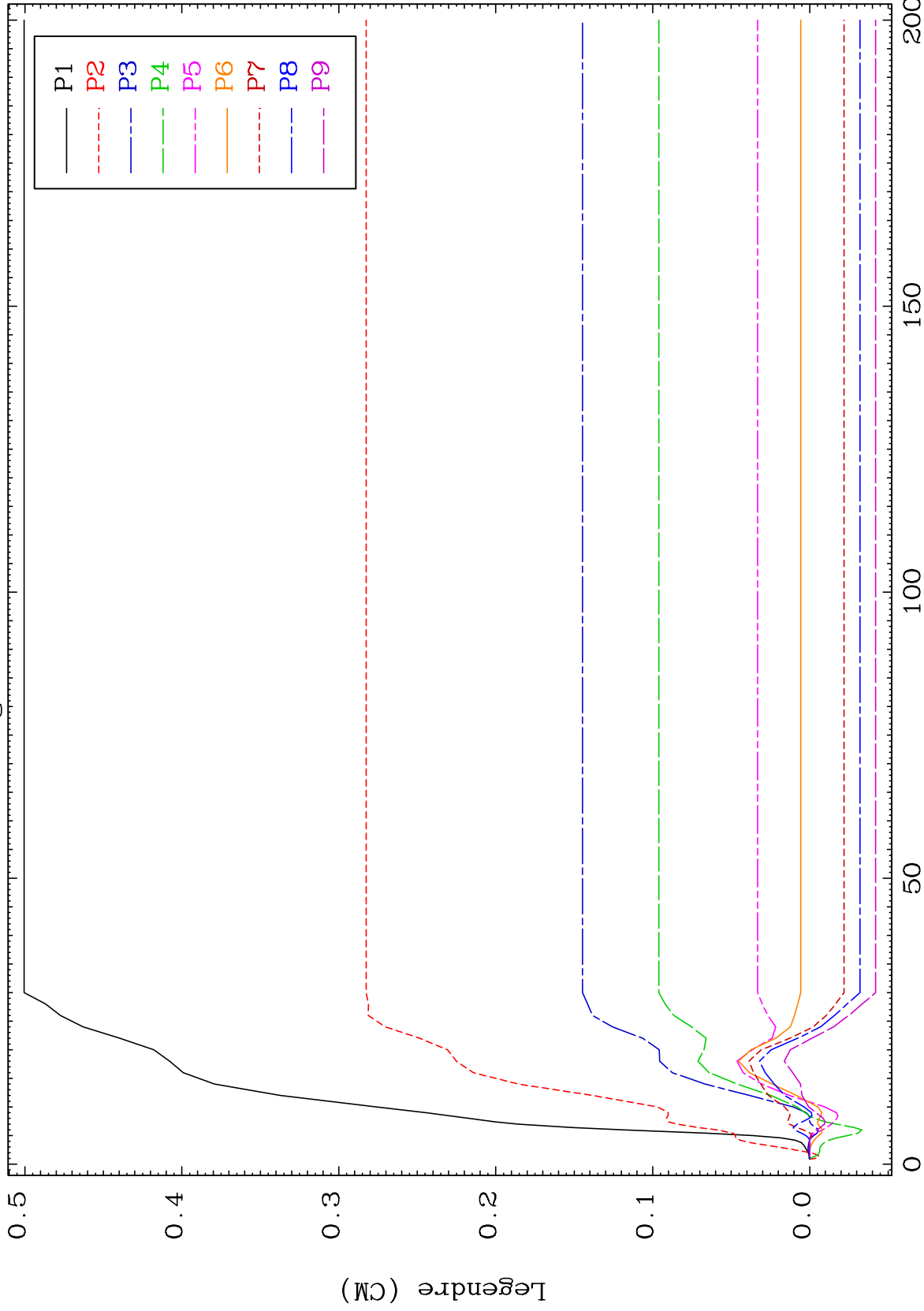
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



23

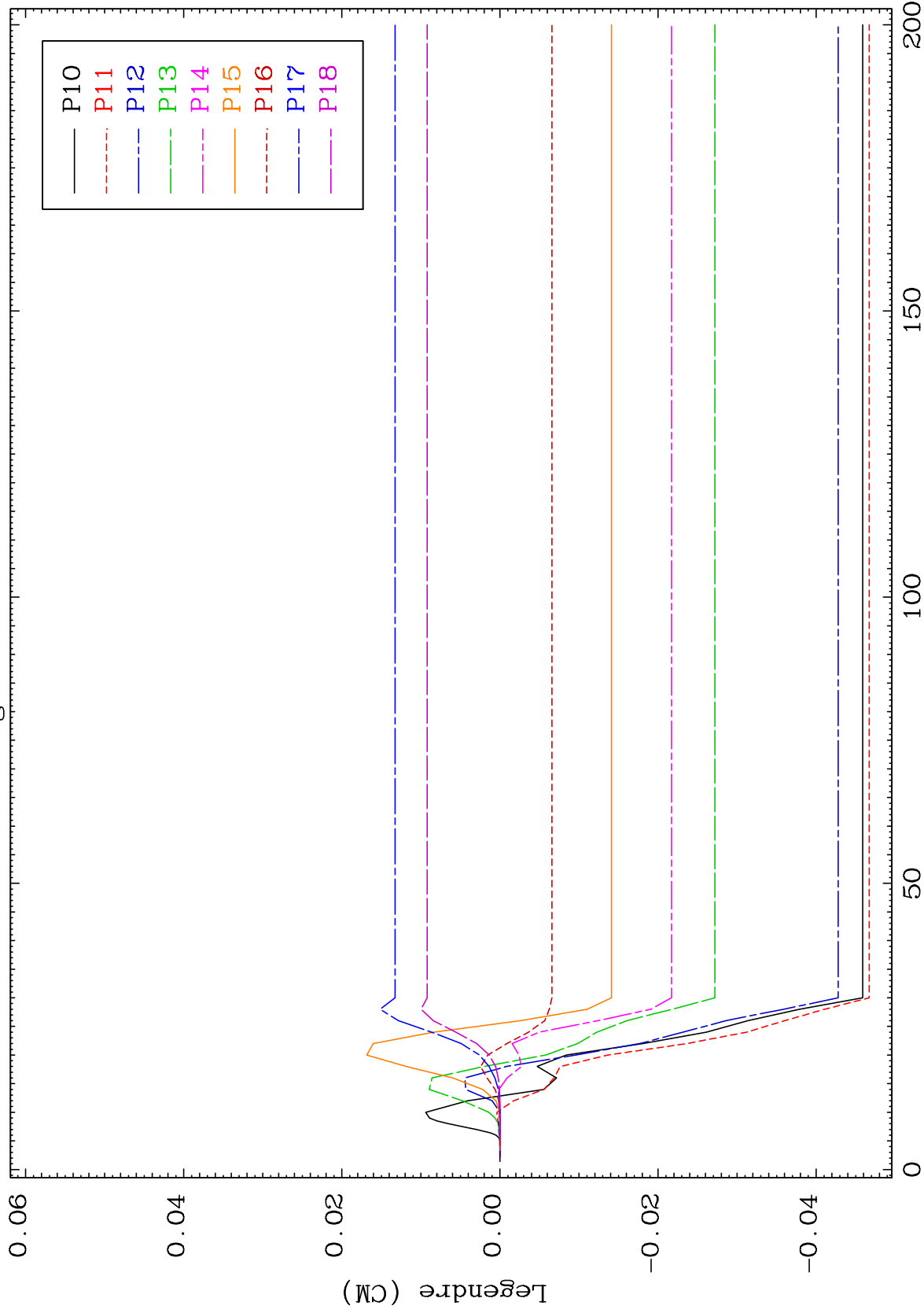
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



24

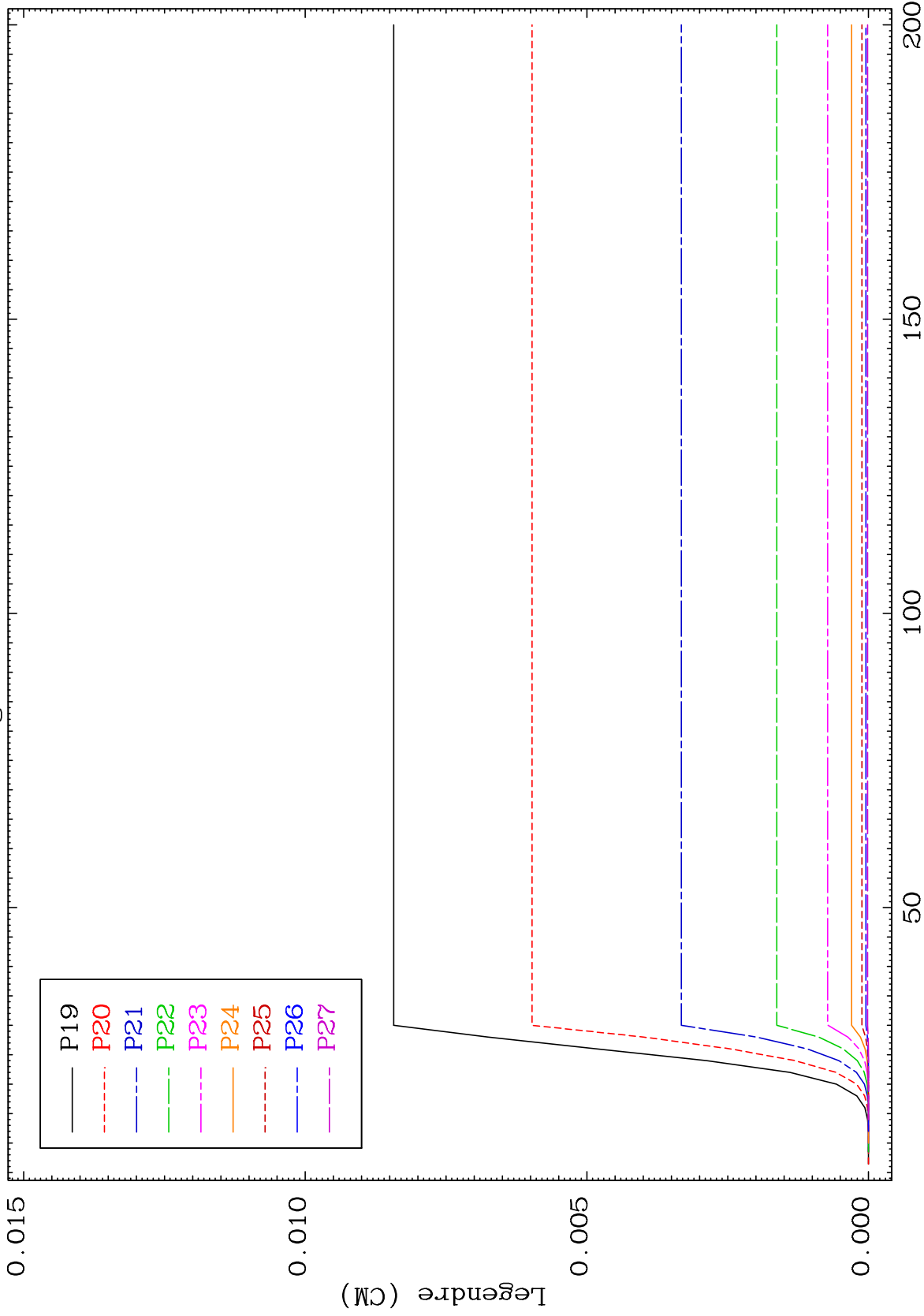
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



25

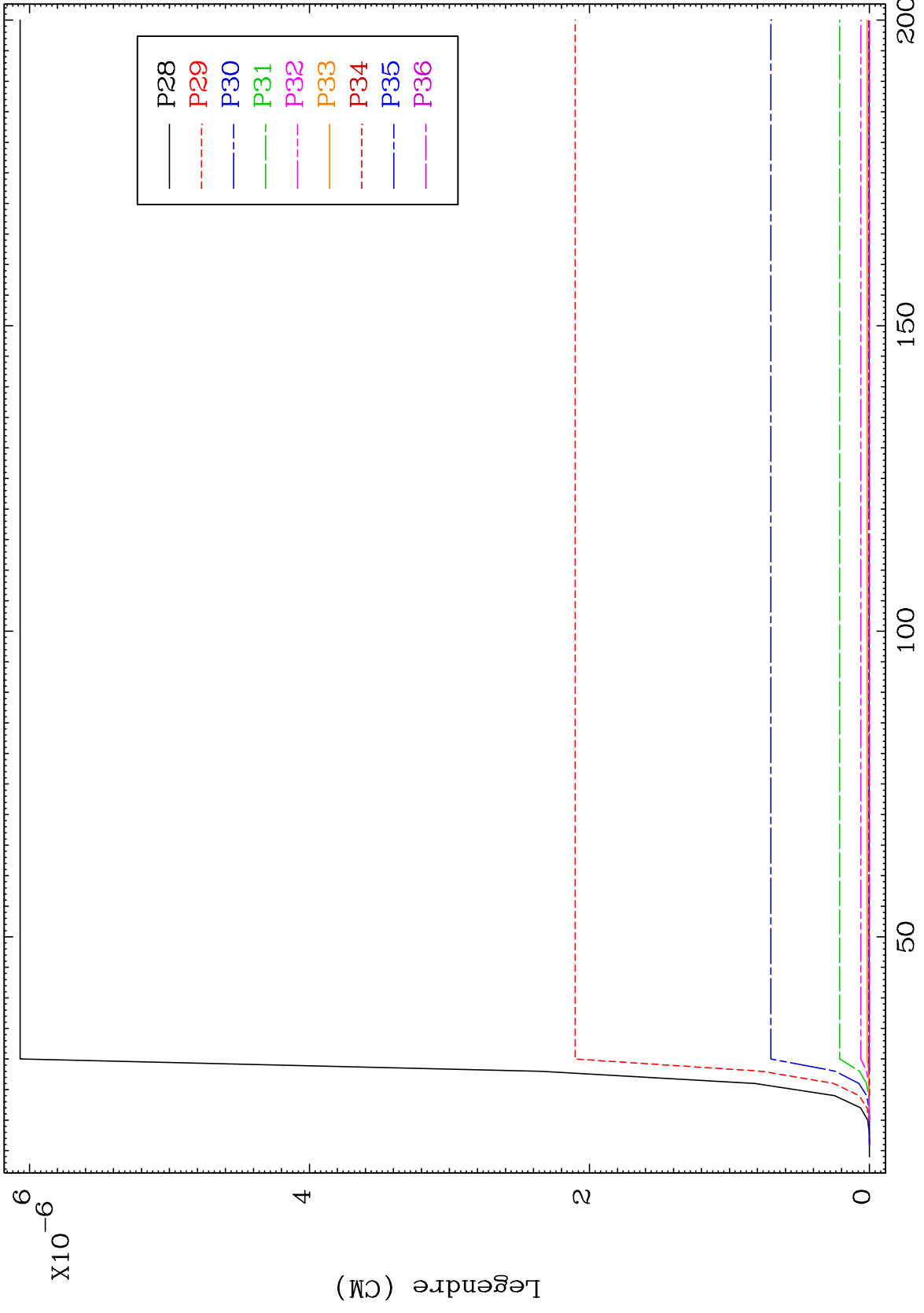
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



26

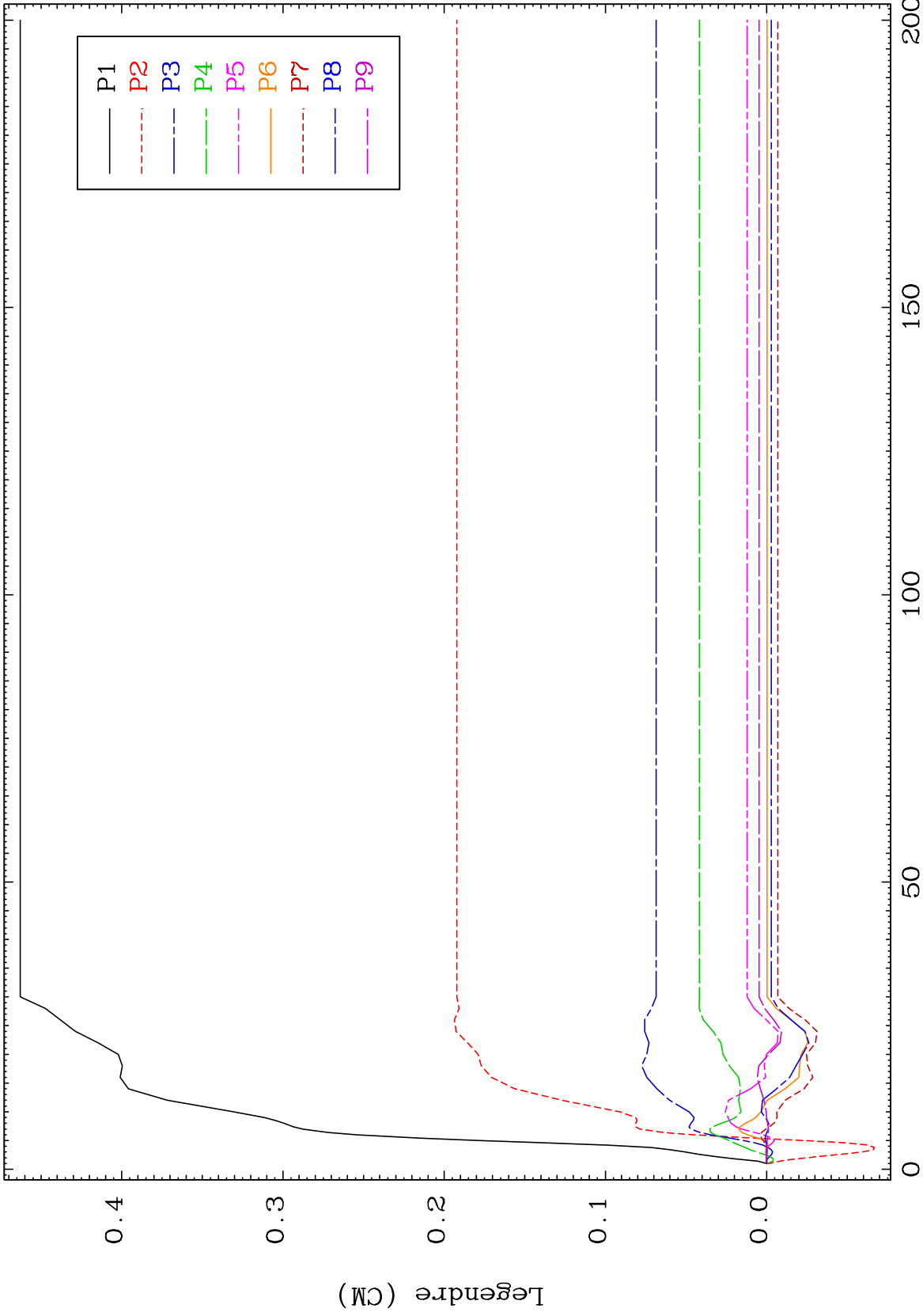
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



27

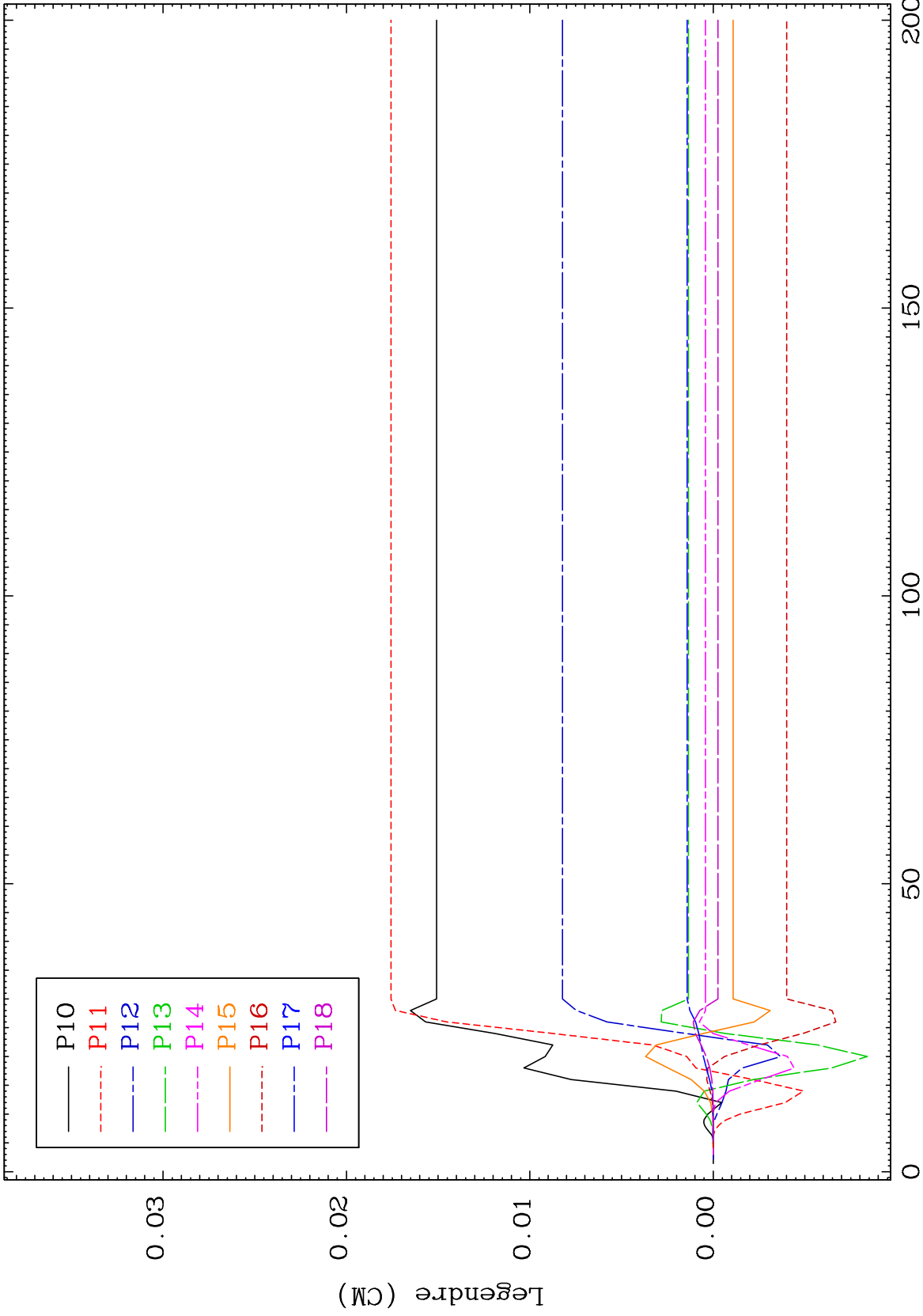
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



28

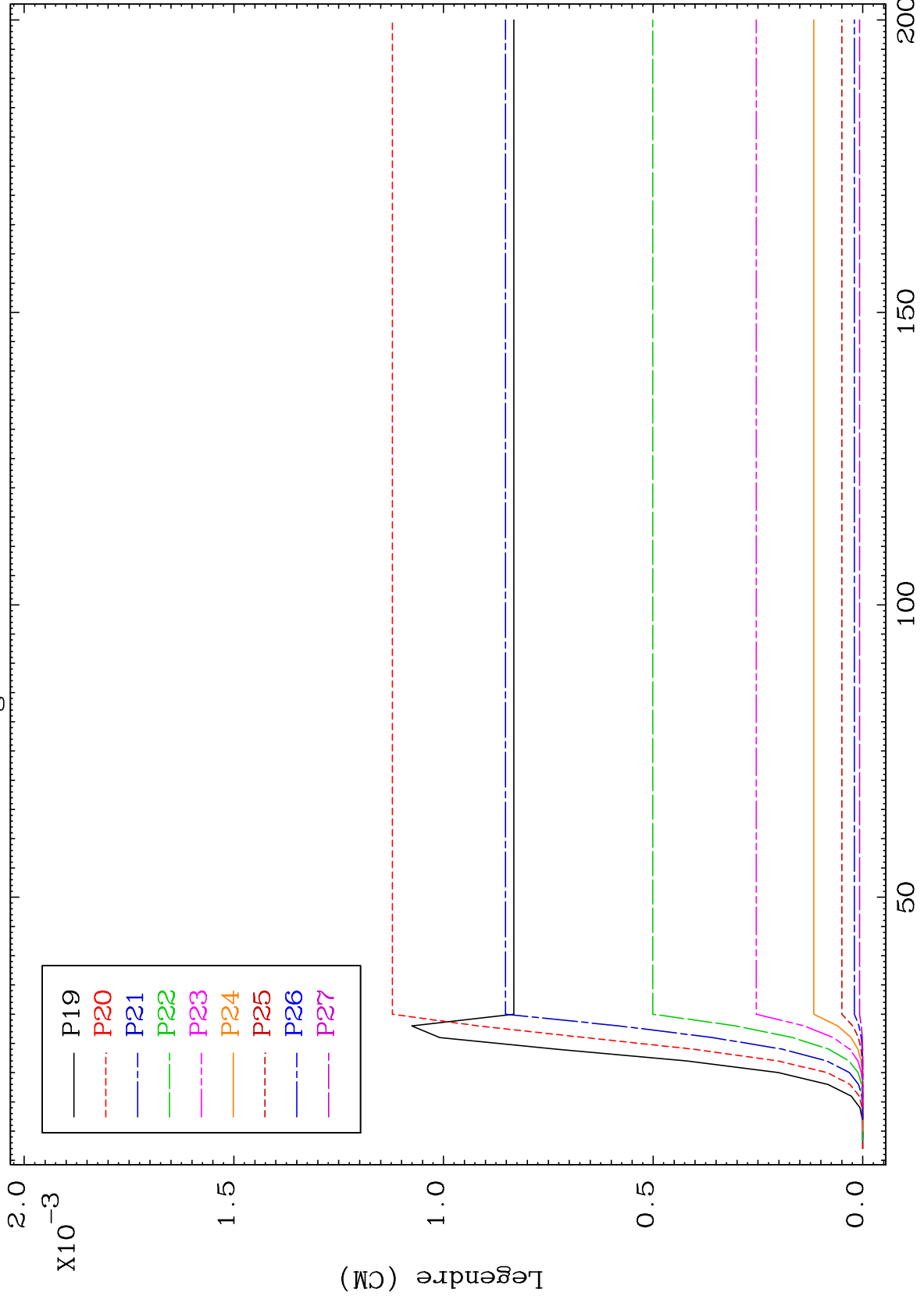
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136

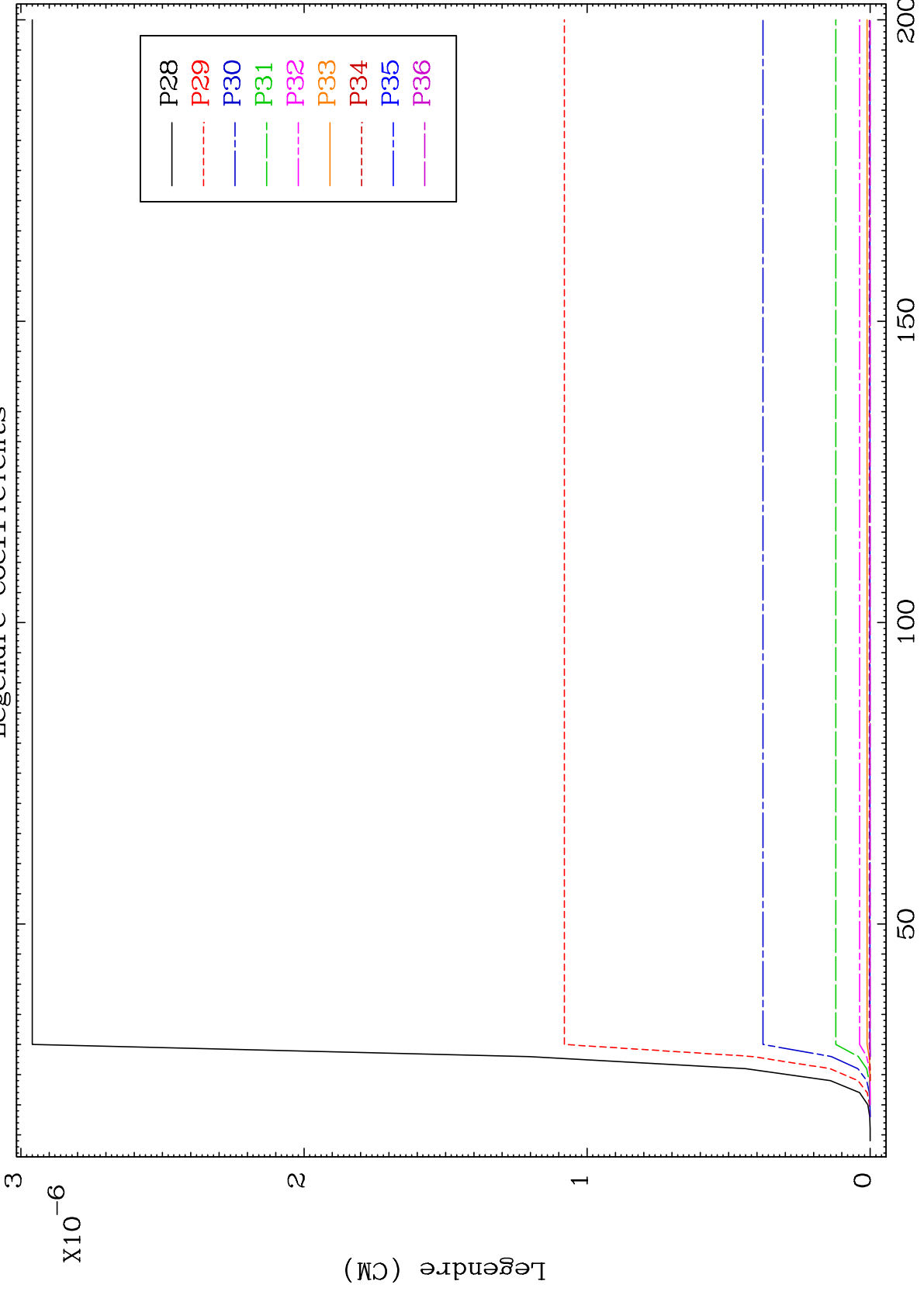


29

Incident Energy (MeV)

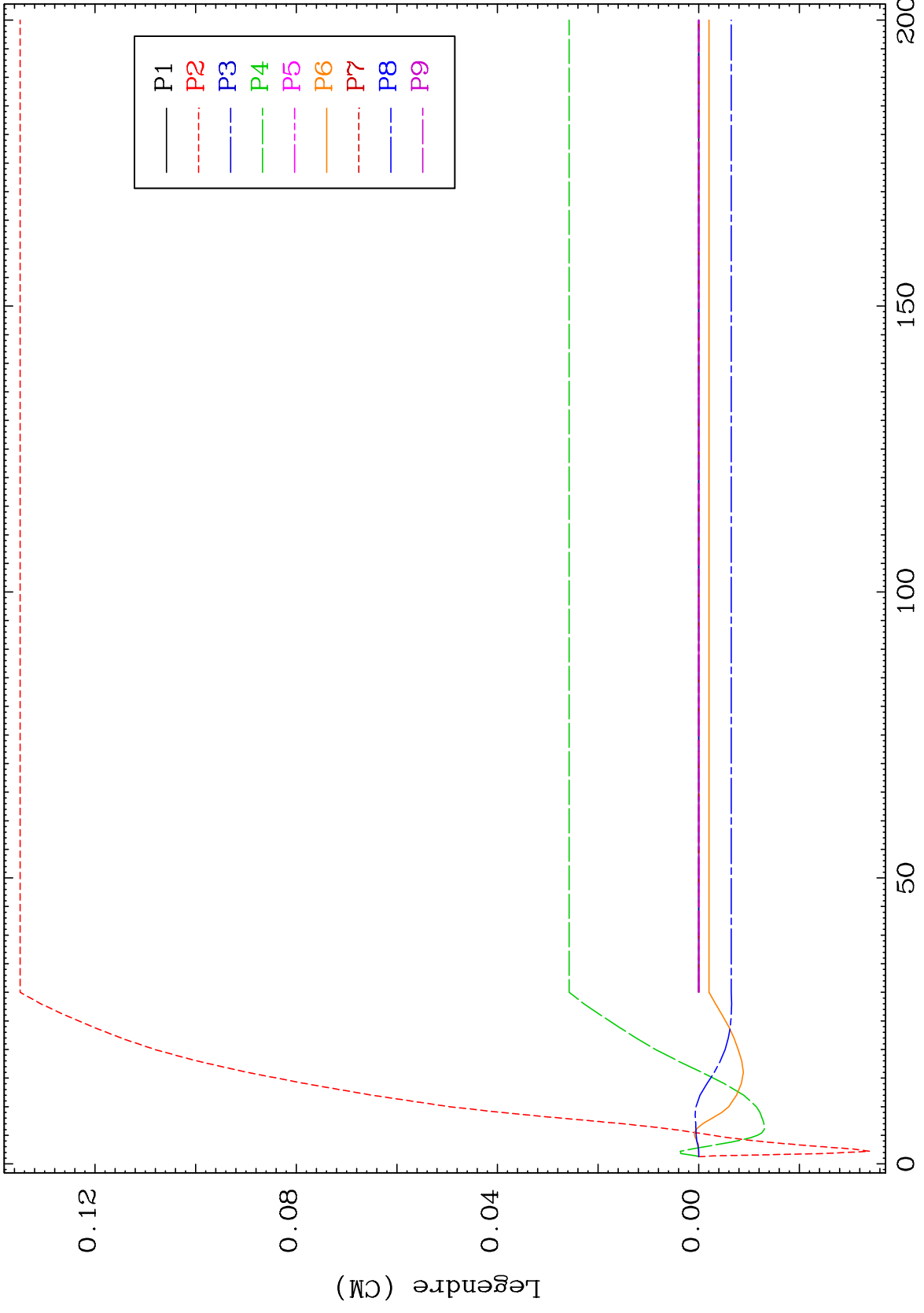
60-Nd-136

MAT 6007 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-136



30 50 100 150 200 60-Nd-136

MAT 6007 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-136

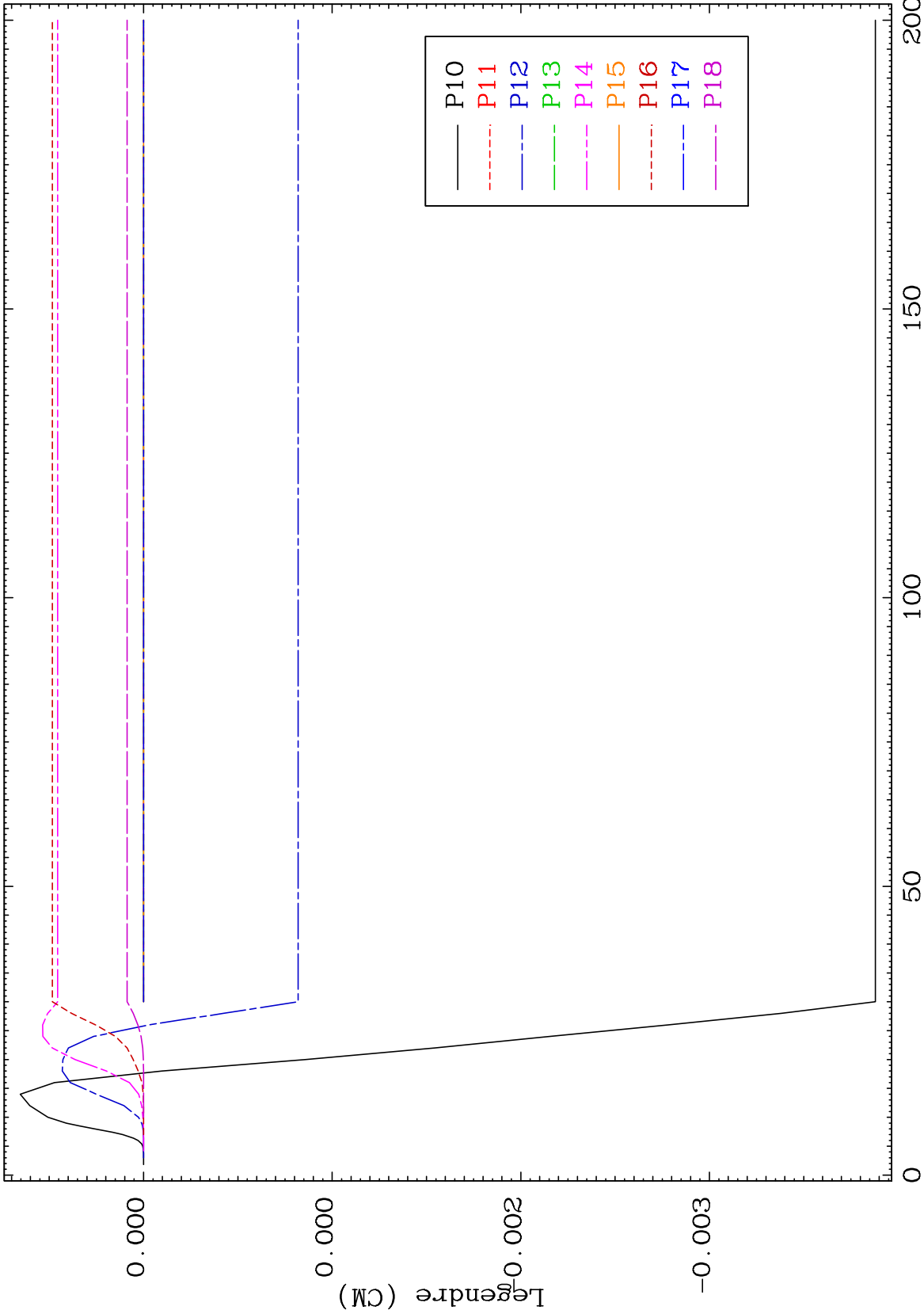


31 60-Nd-136

MAT 6007

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

60-Nd-136



32

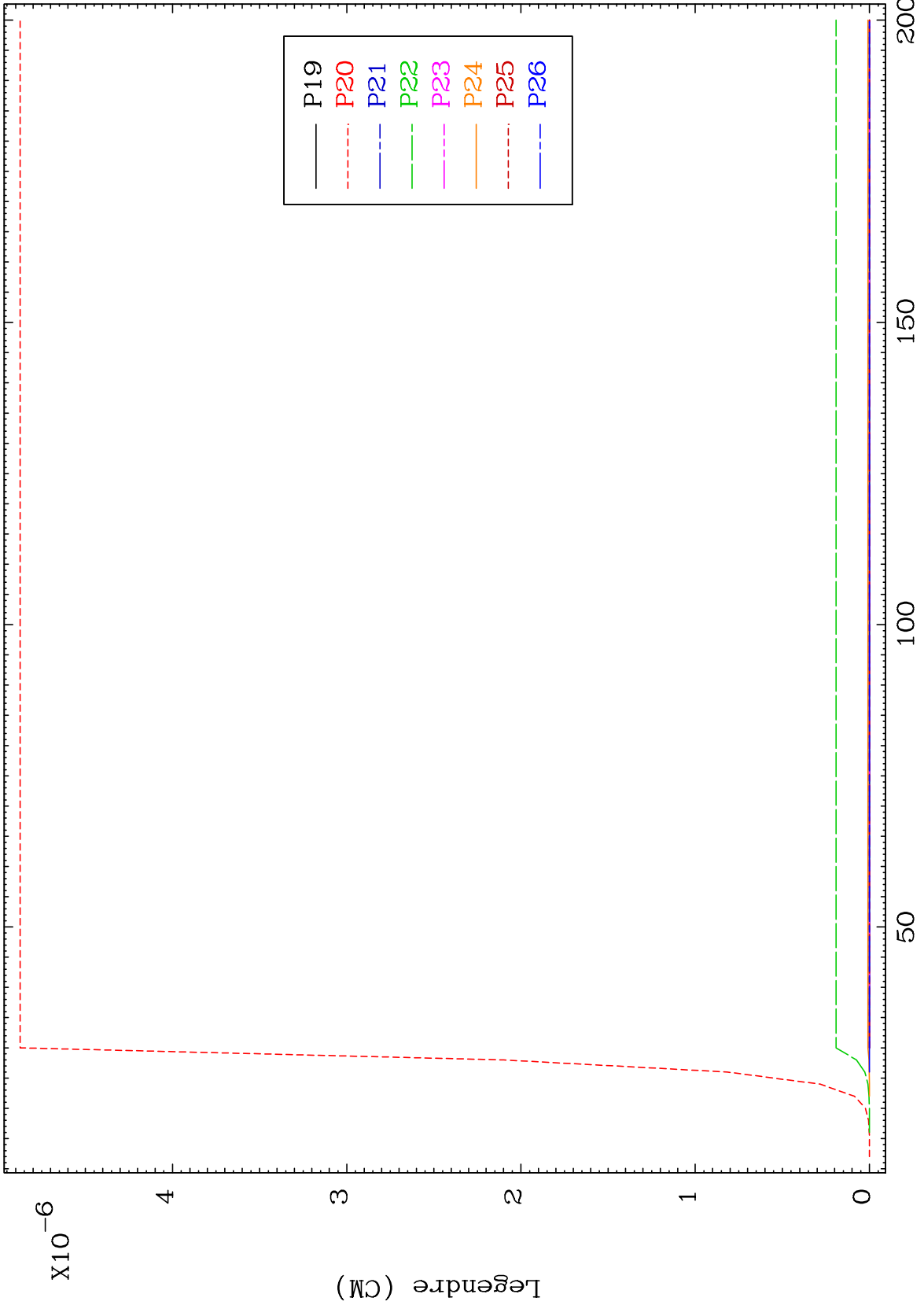
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



33

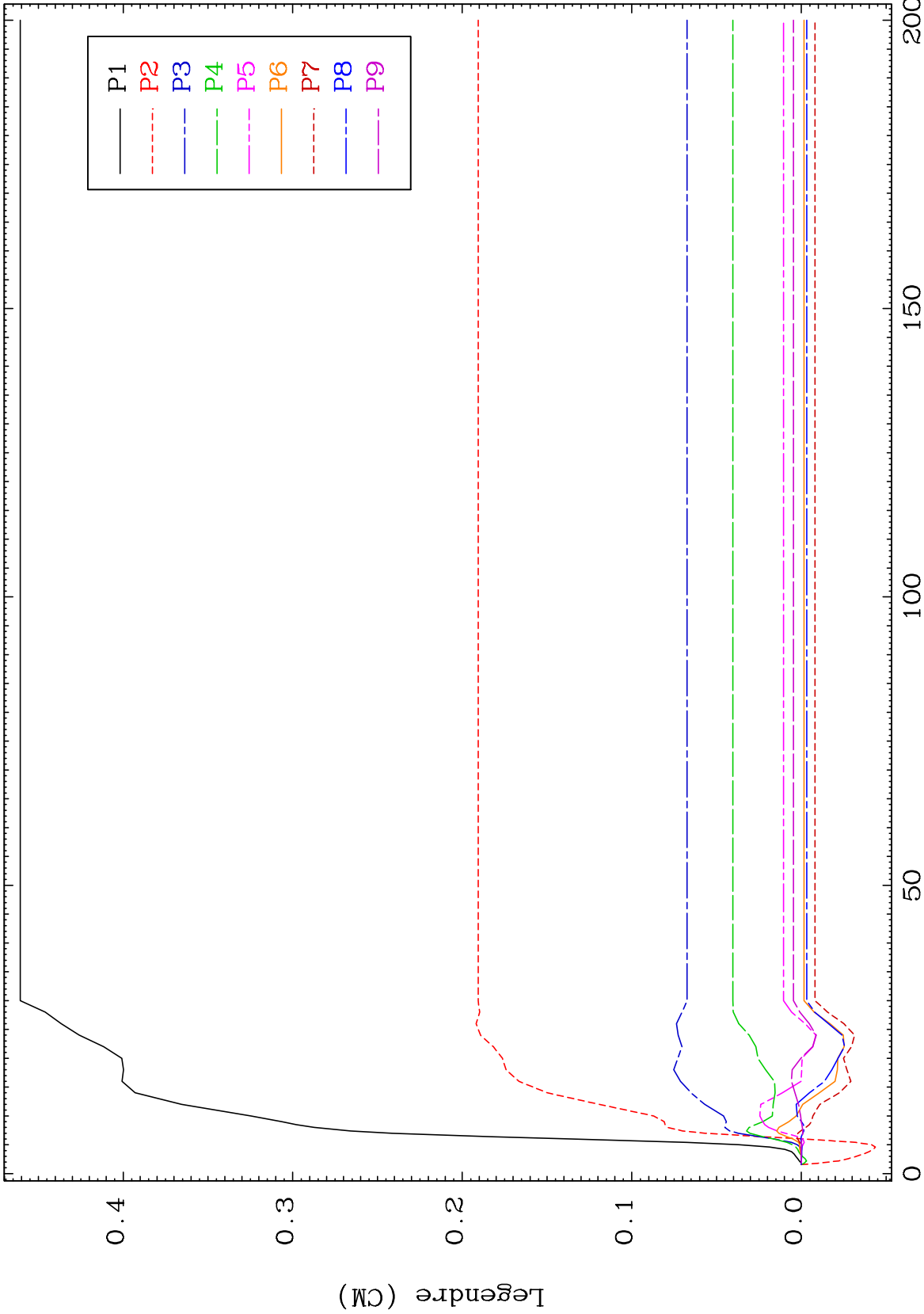
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



34

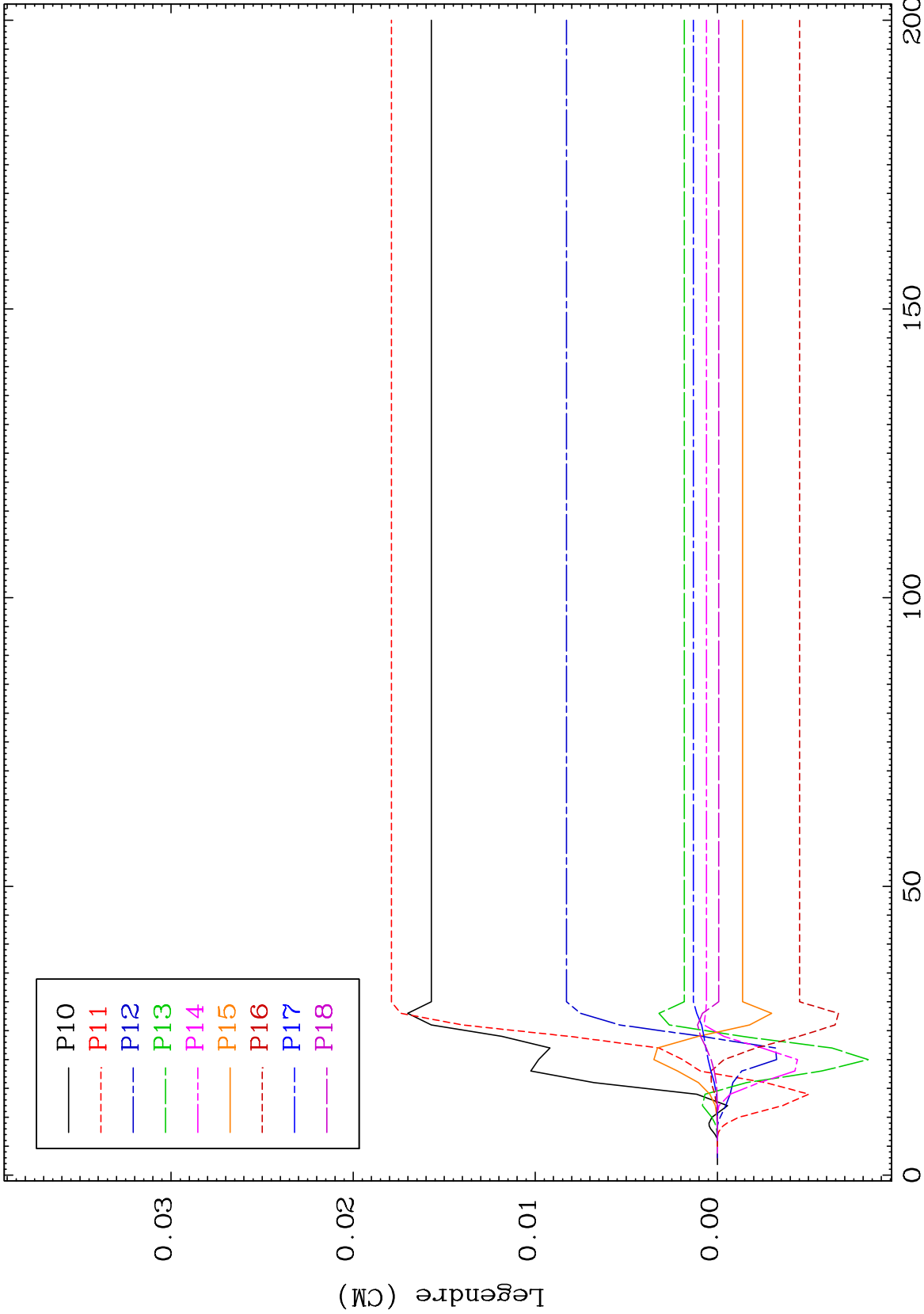
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



35

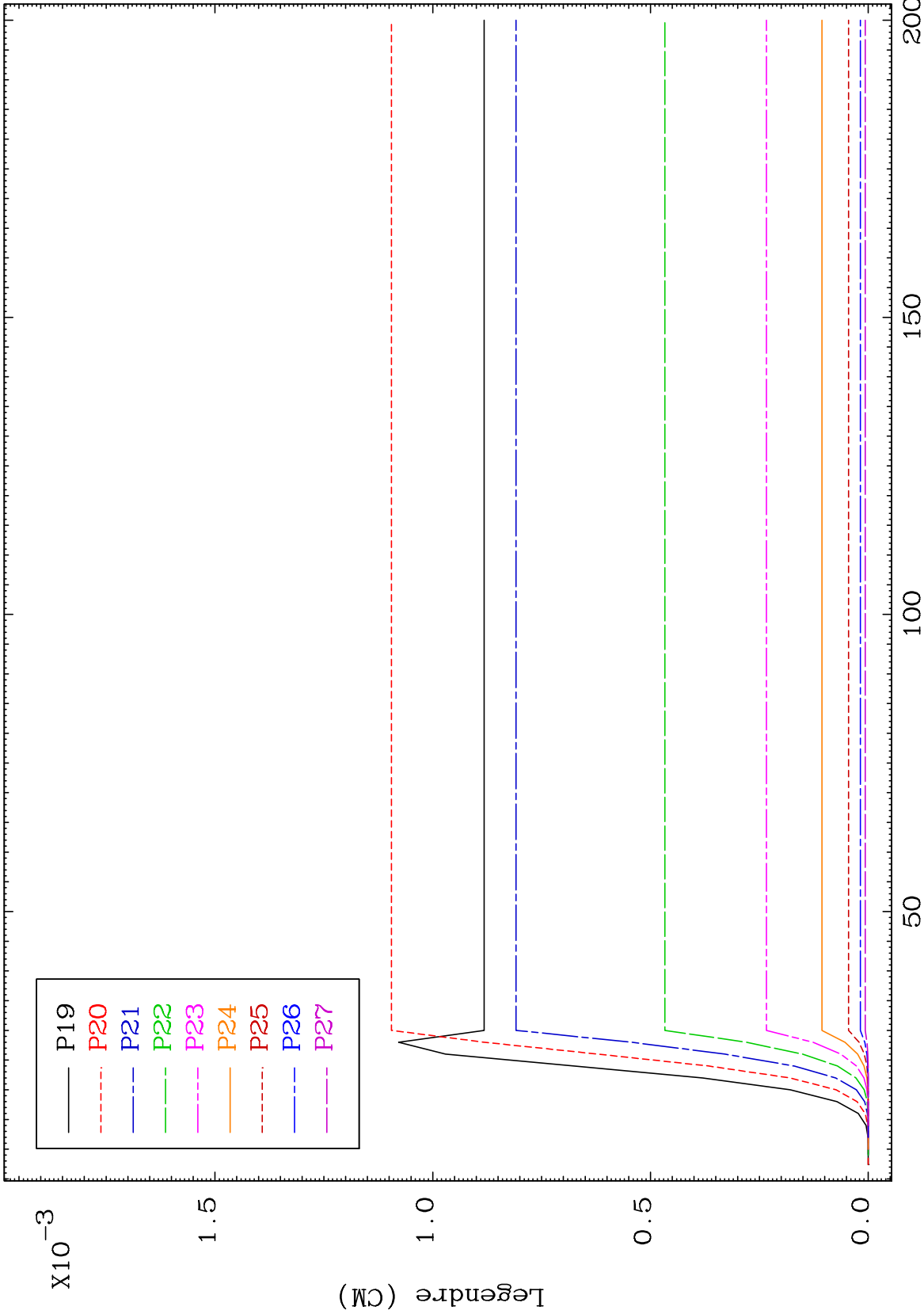
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136

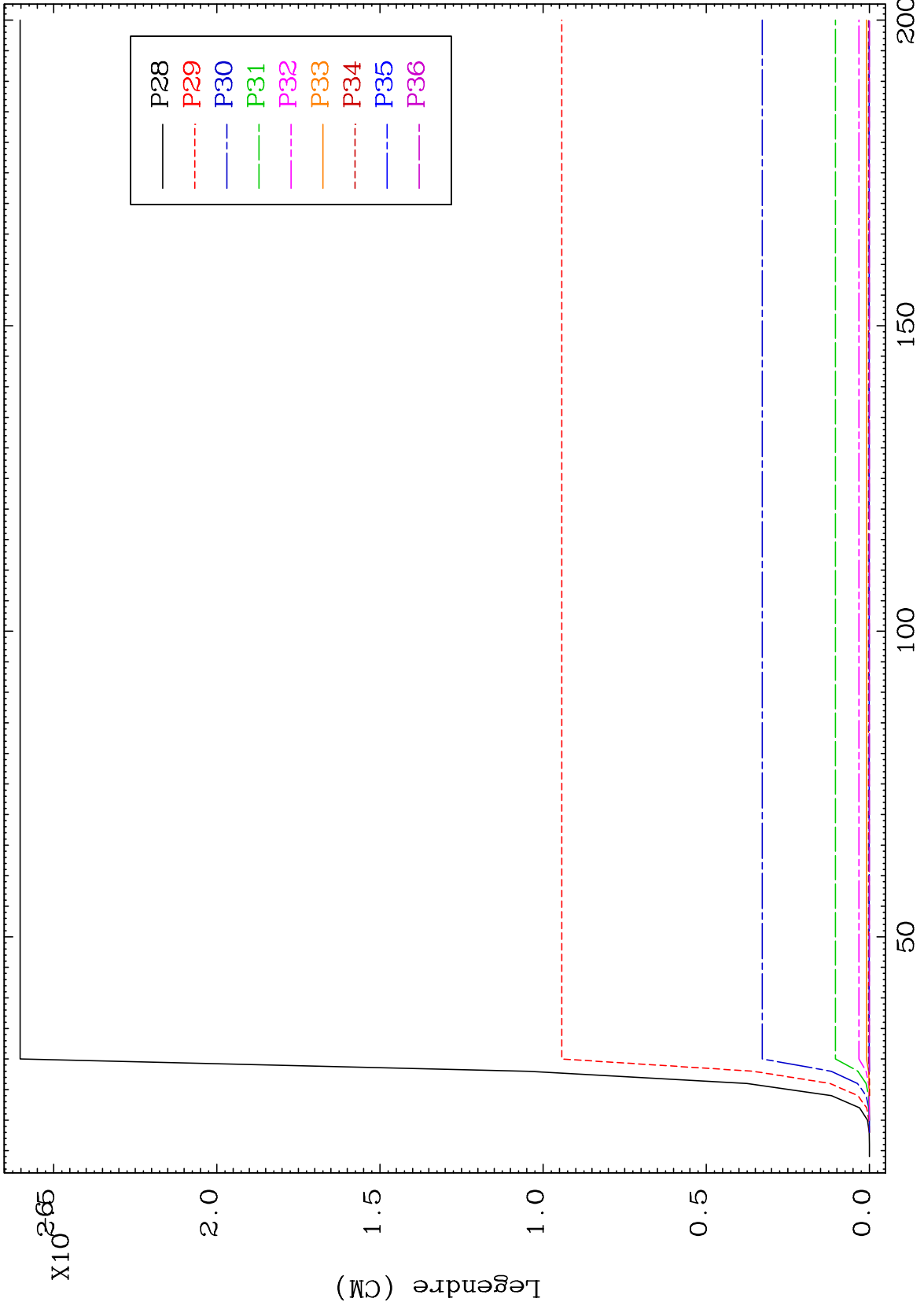


36

Incident Energy (MeV)

60-Nd-136

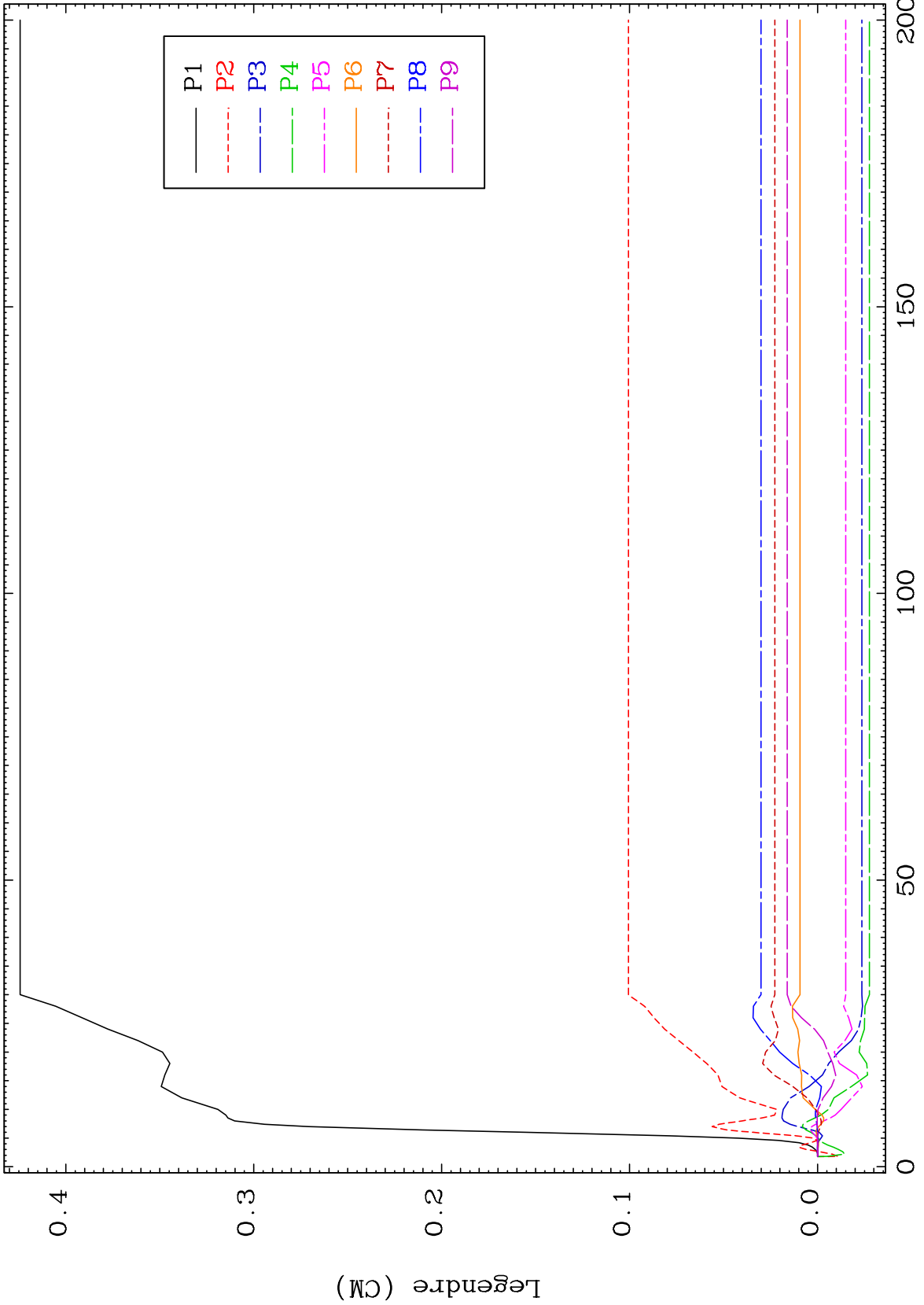
MAT 6007 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-136



MAT 6007

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

60-Nd-136



38

Incident Energy (MeV)

60-Nd-136

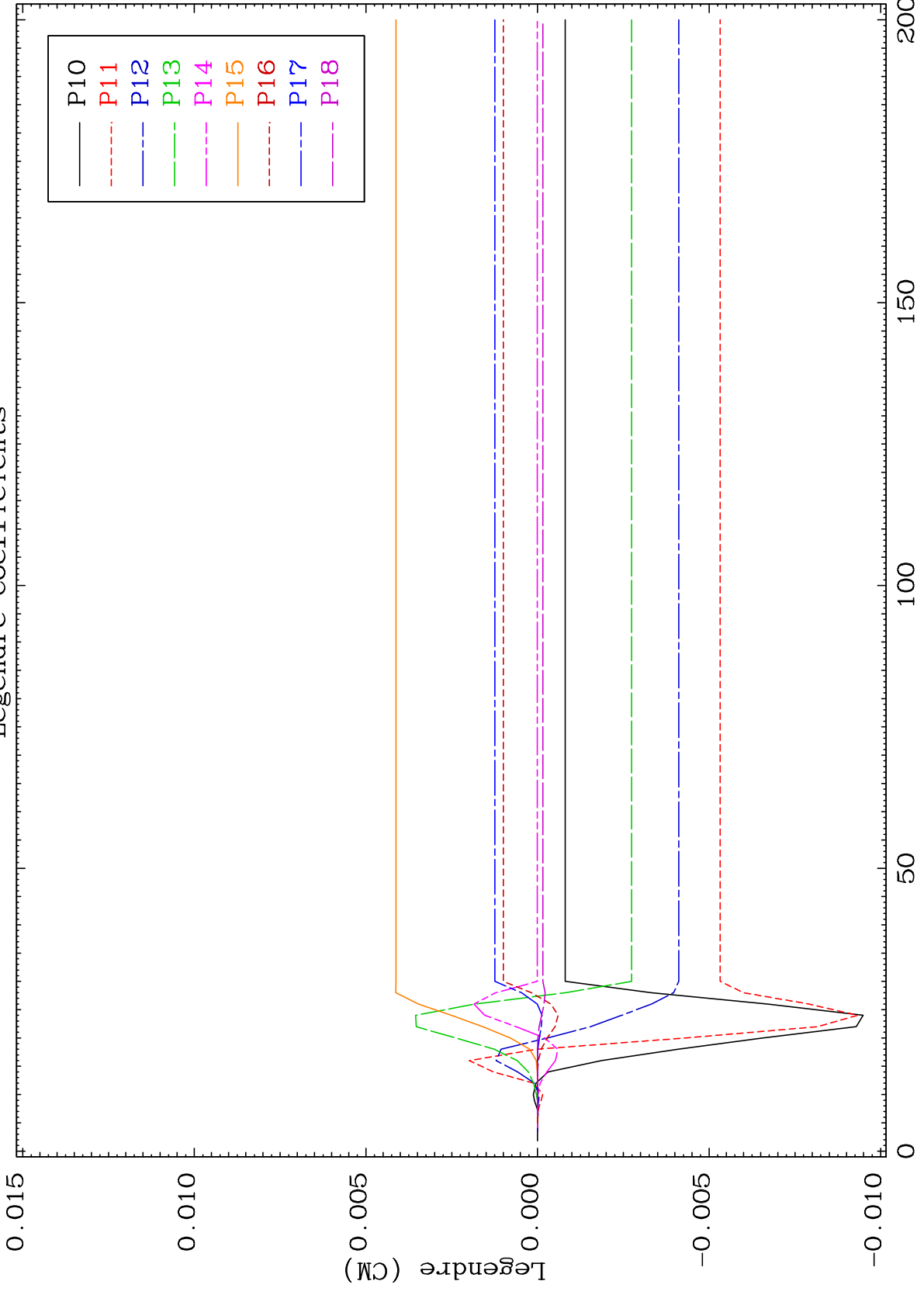
MAT 6007 MT= 56 (n,n') Level Legendre Coefficients

60-Nd-136

60-Nd-136

Incident Energy (MeV)

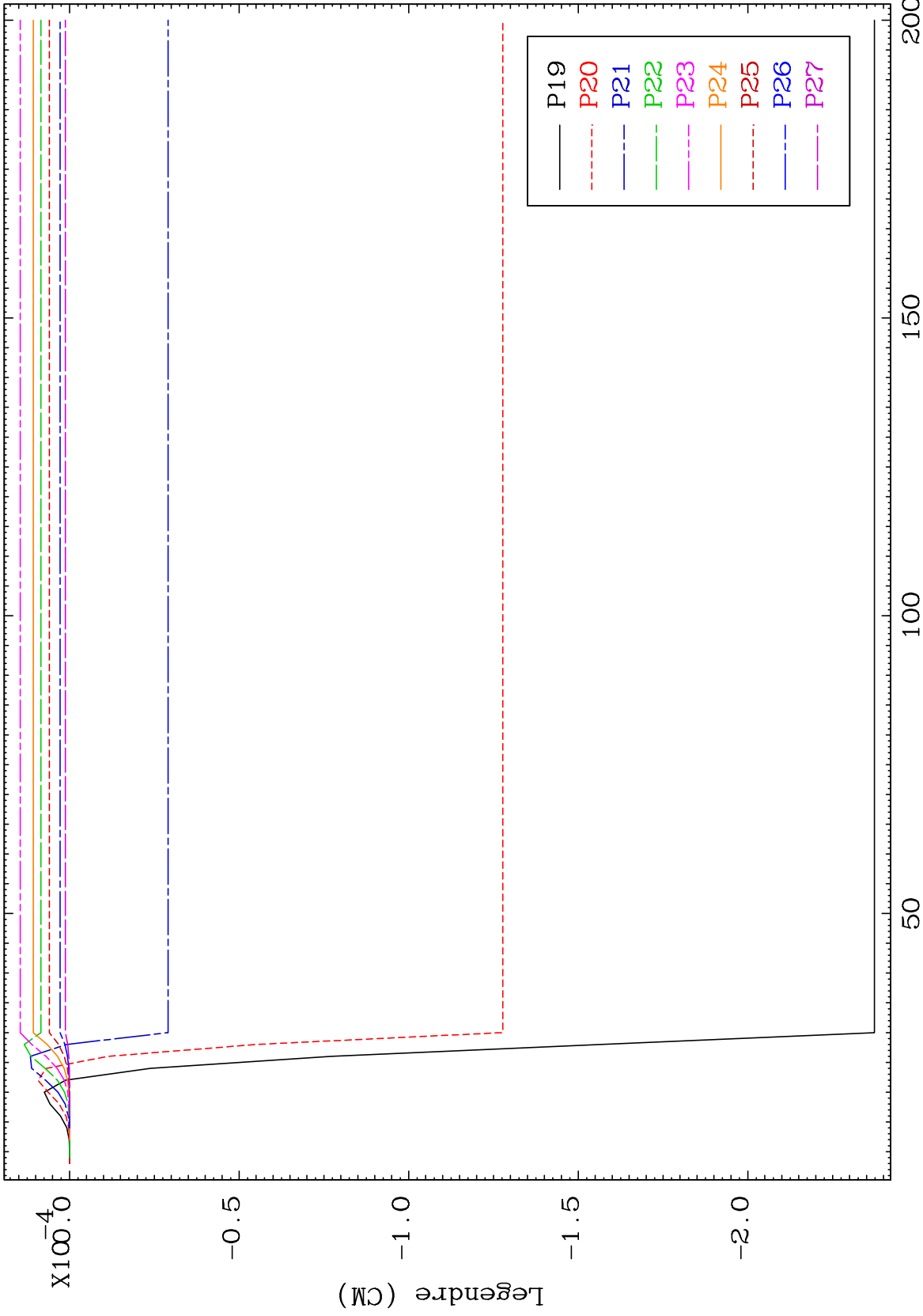
39



MAT 6007

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

60-Nd-136



60-Nd-136

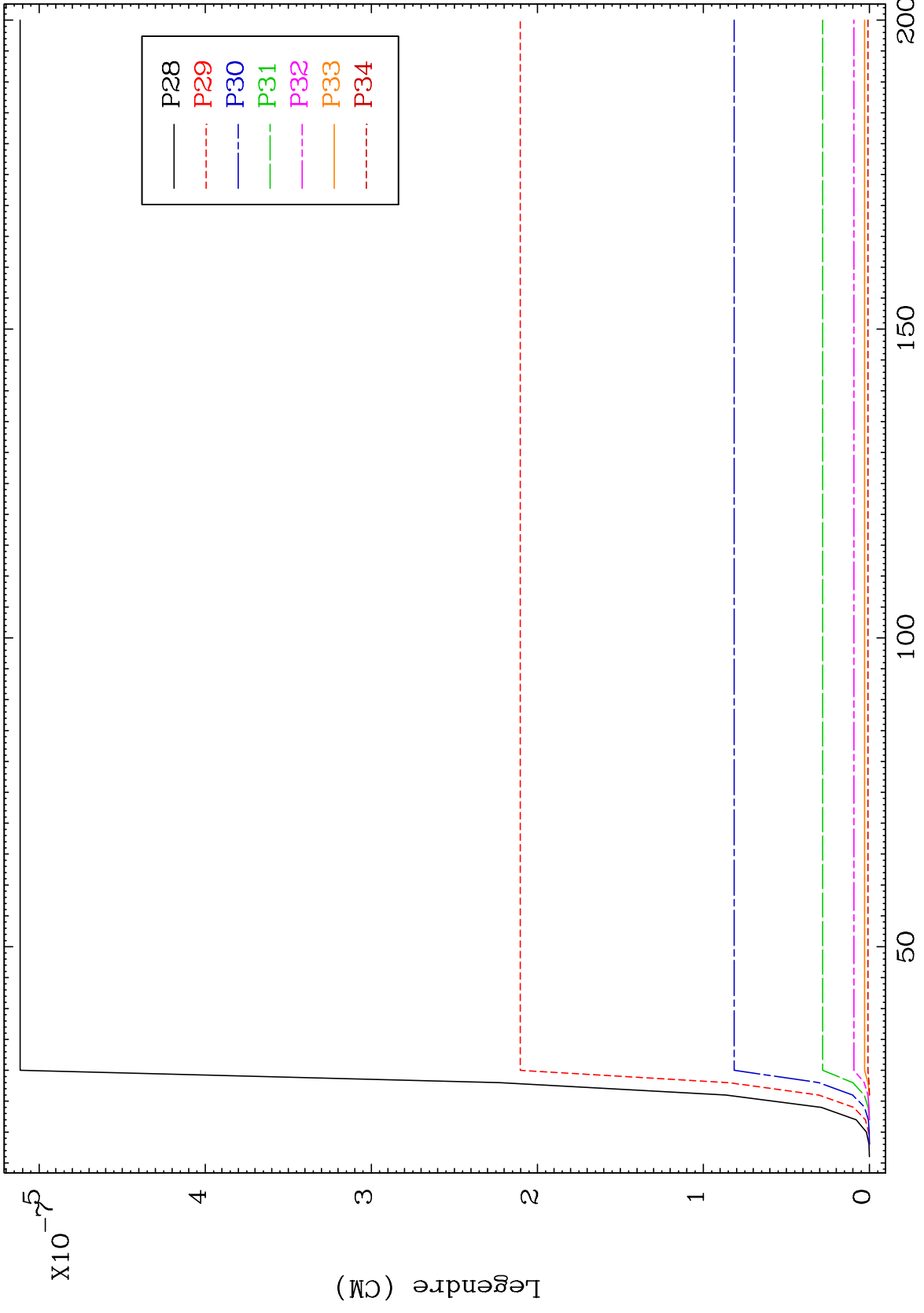
Incident Energy (MeV)

40

MAT 6007

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

60-Nd-136



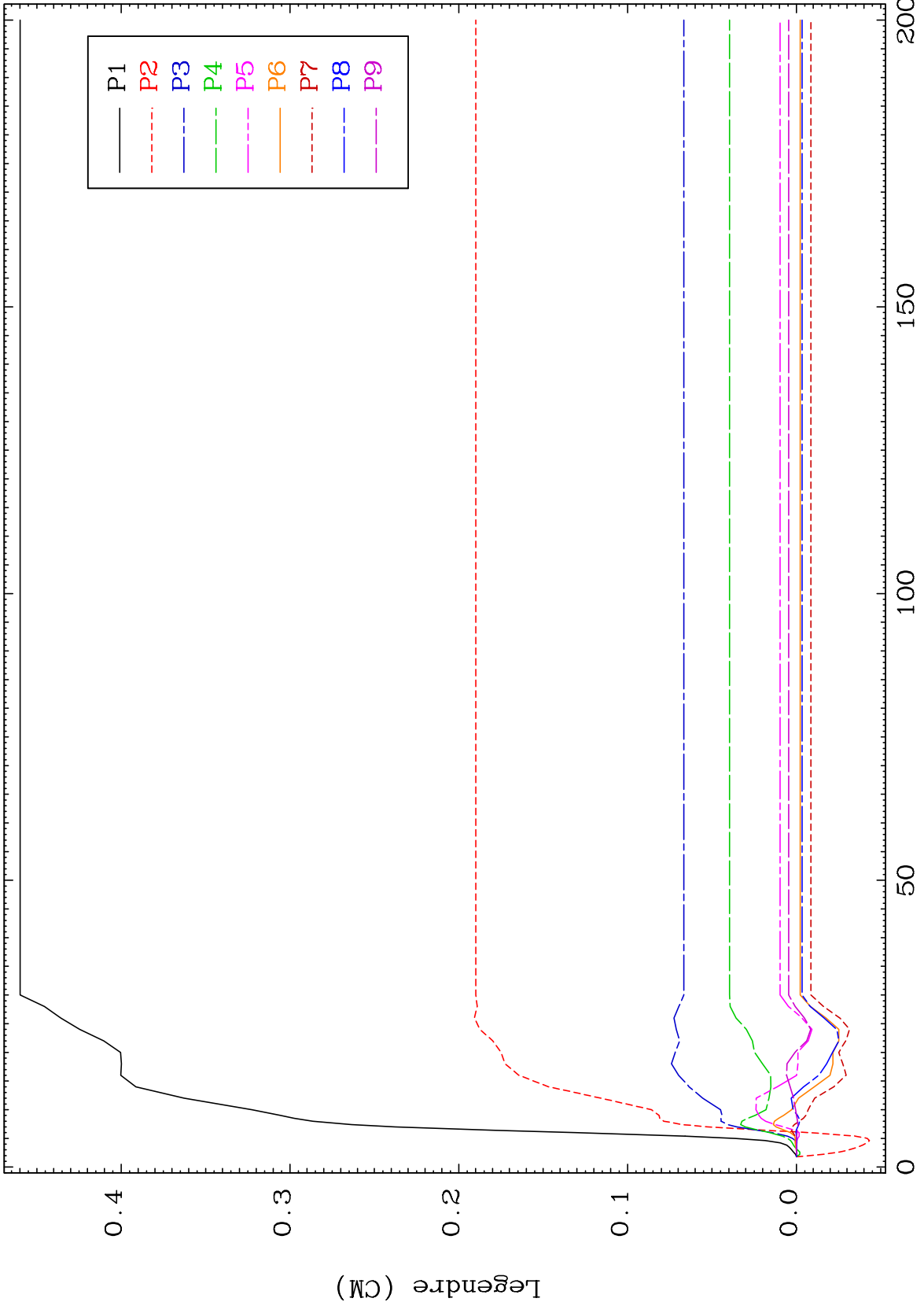
41

60-Nd-136

MAT 6007

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

60-Nd-136



42

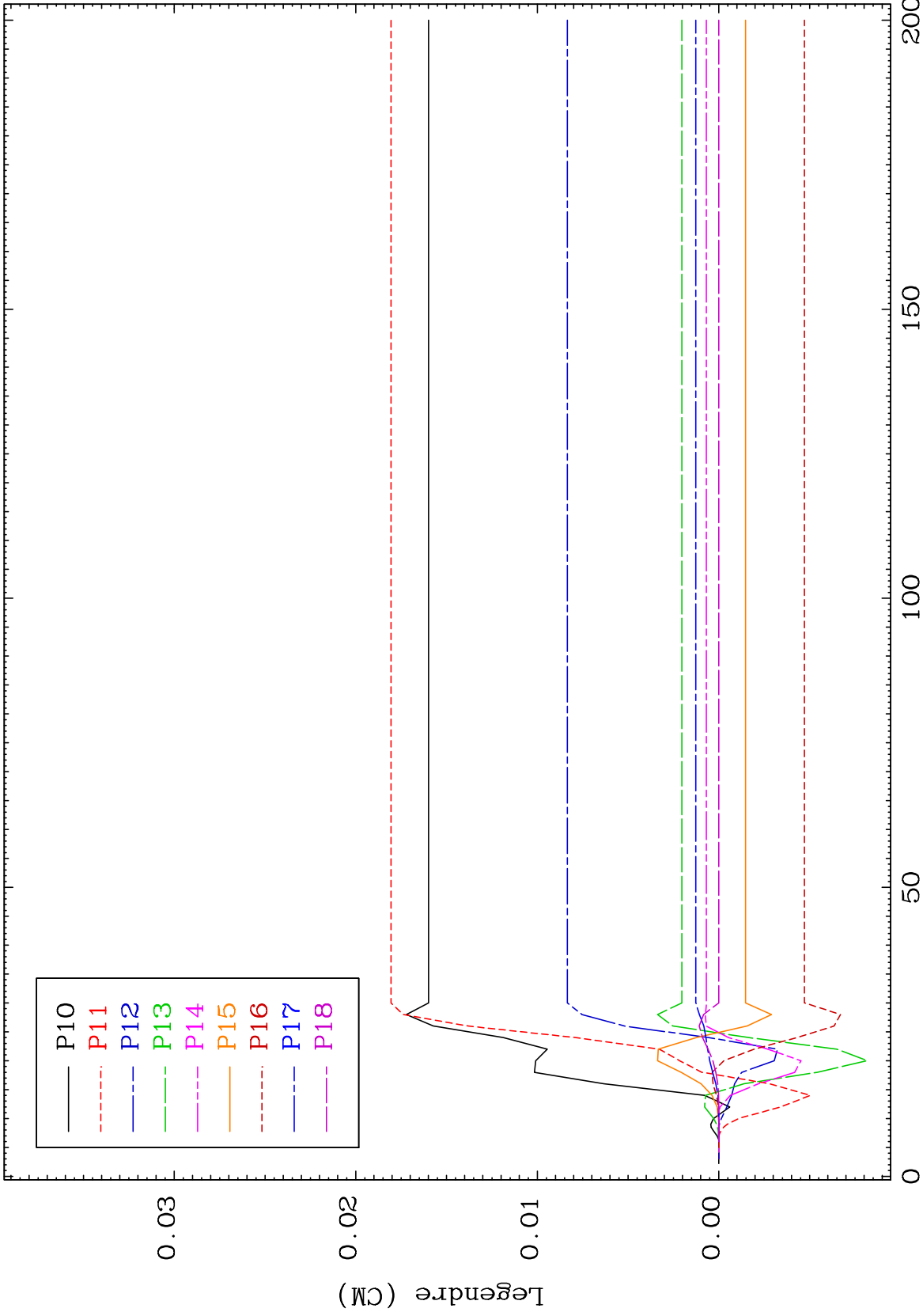
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



43

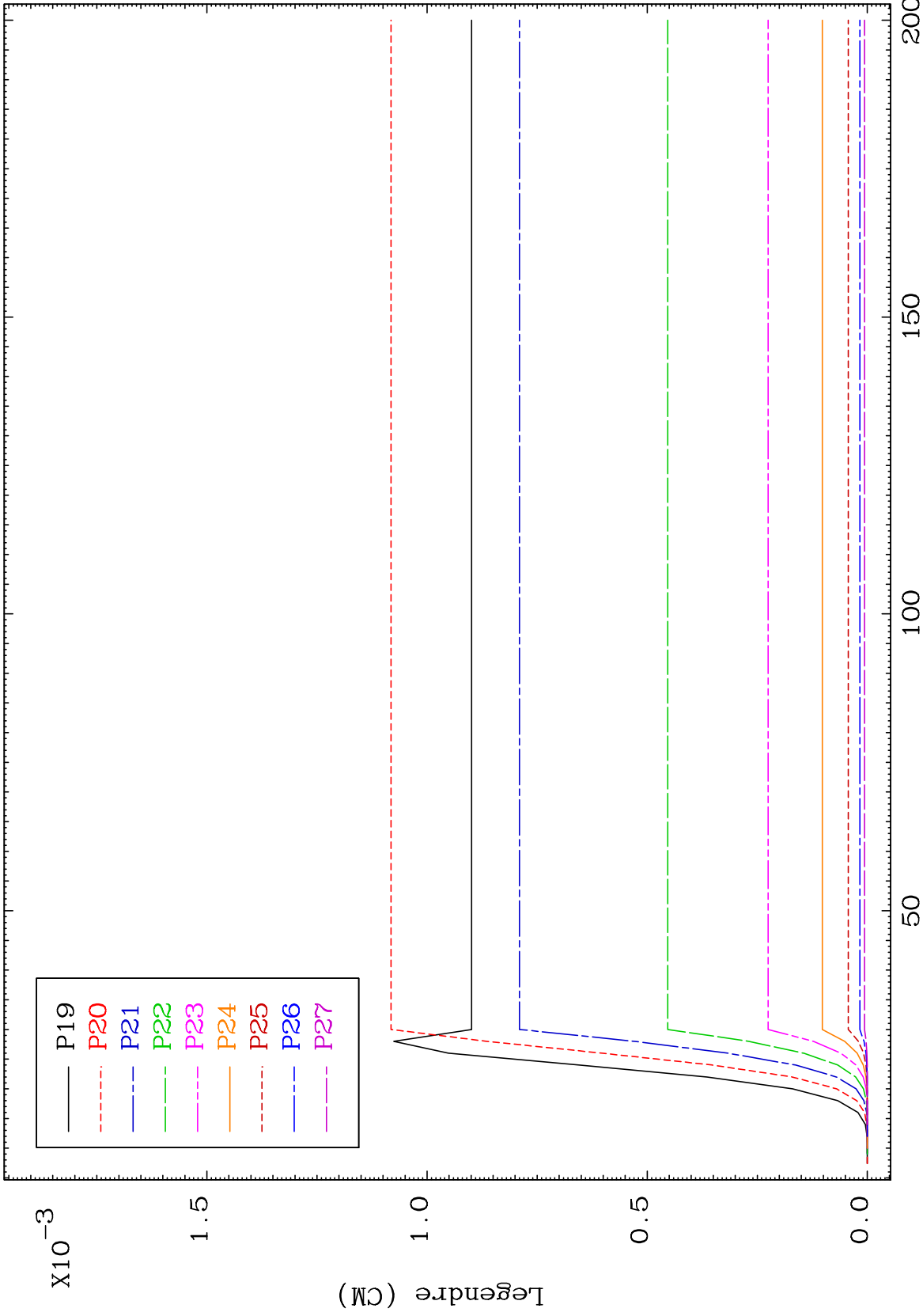
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

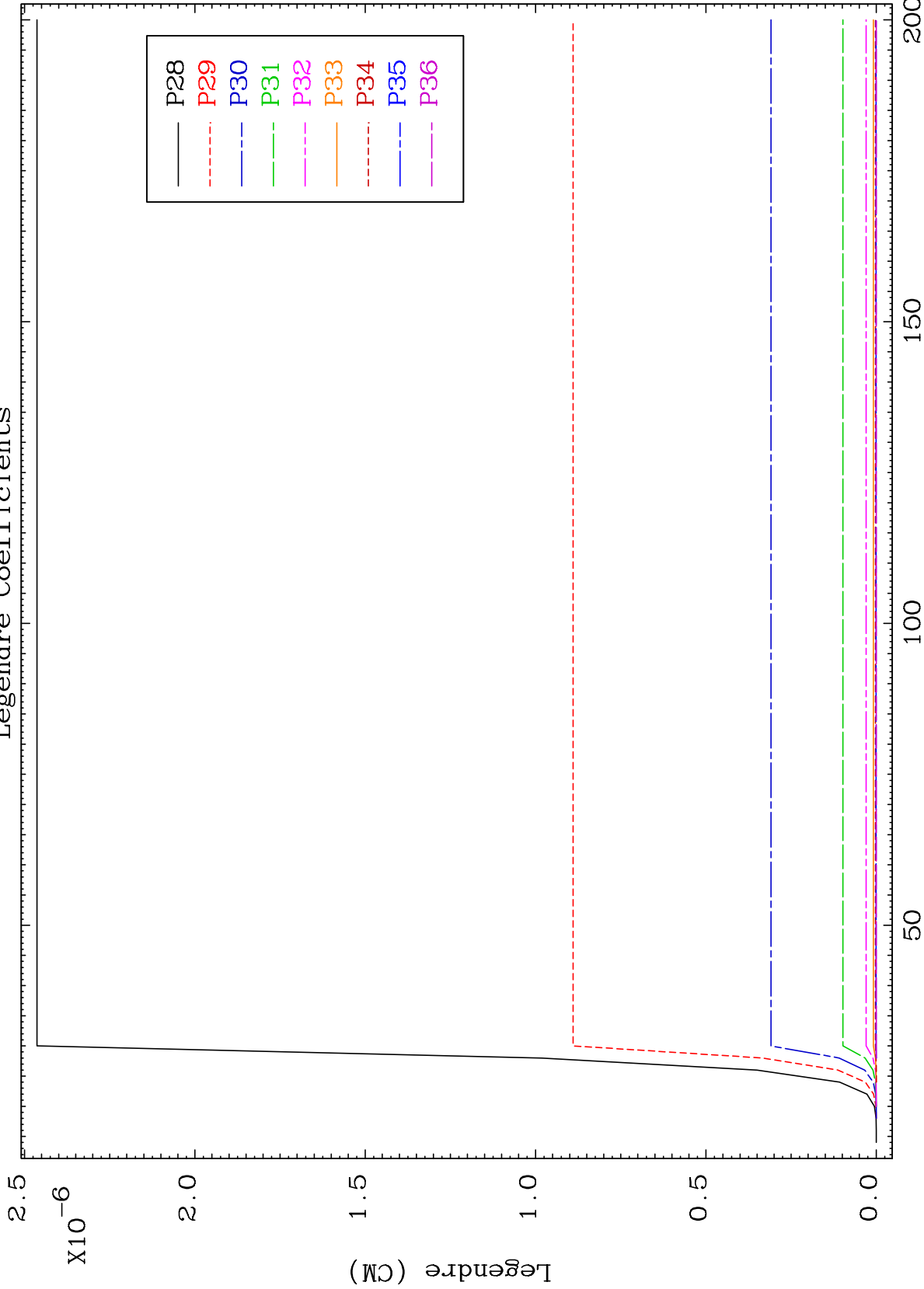
60-Nd-136



MAT 6007

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

60-Nd-136

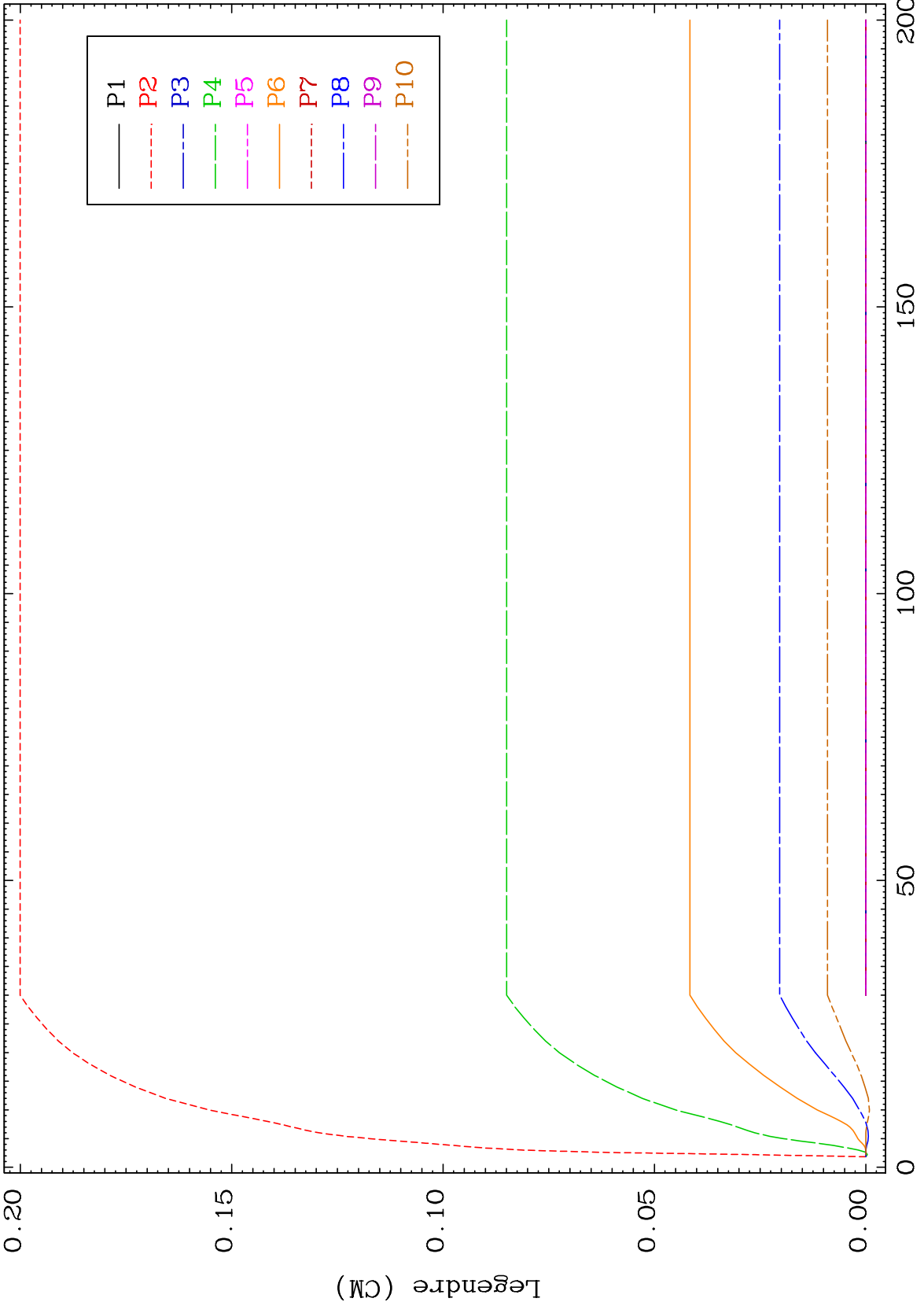


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Incident Energy (MeV)

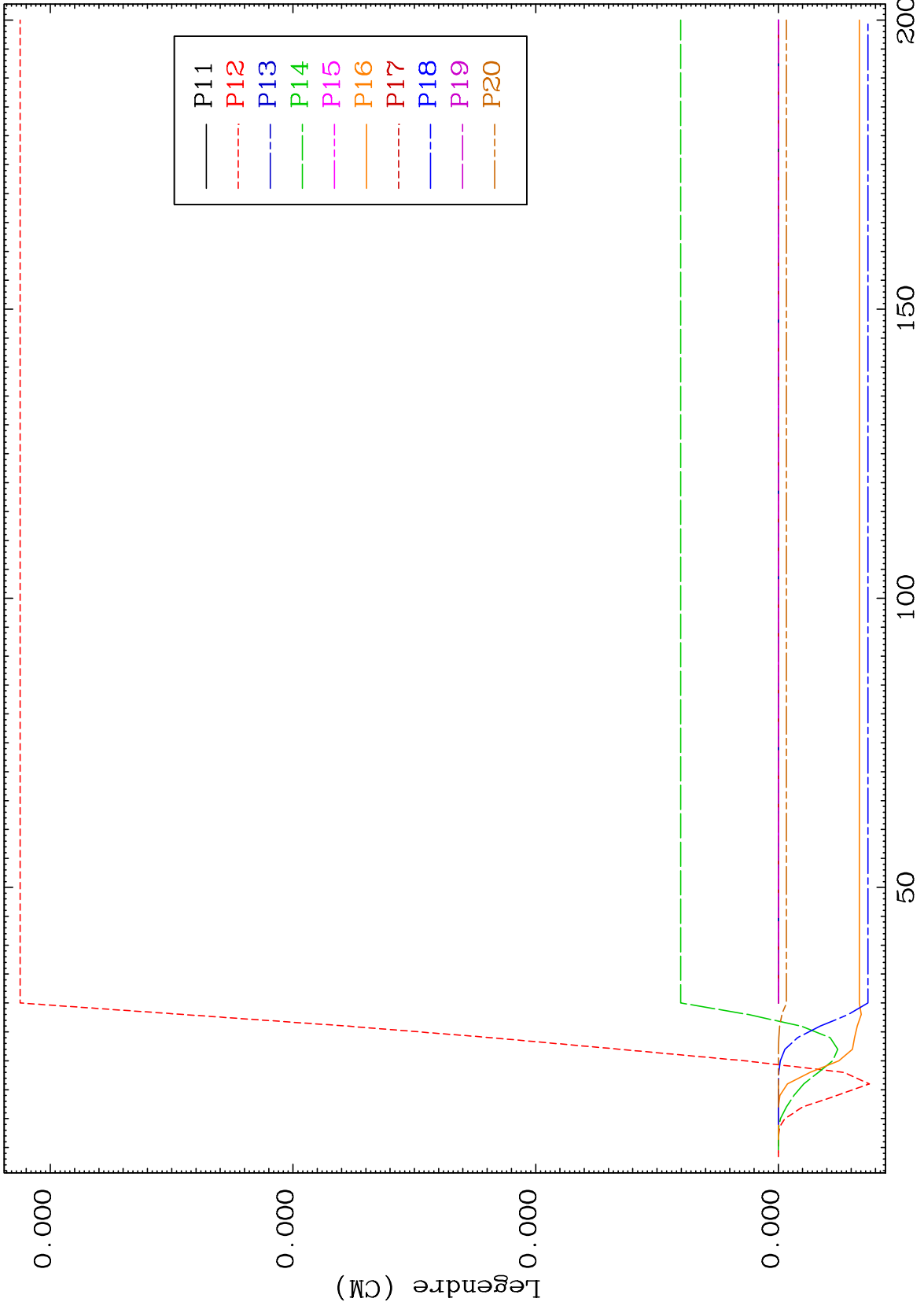
60-Nd-136

MAT 6007 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-136



46 Incident Energy (MeV) 60-Nd-136

MAT 6007 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-136

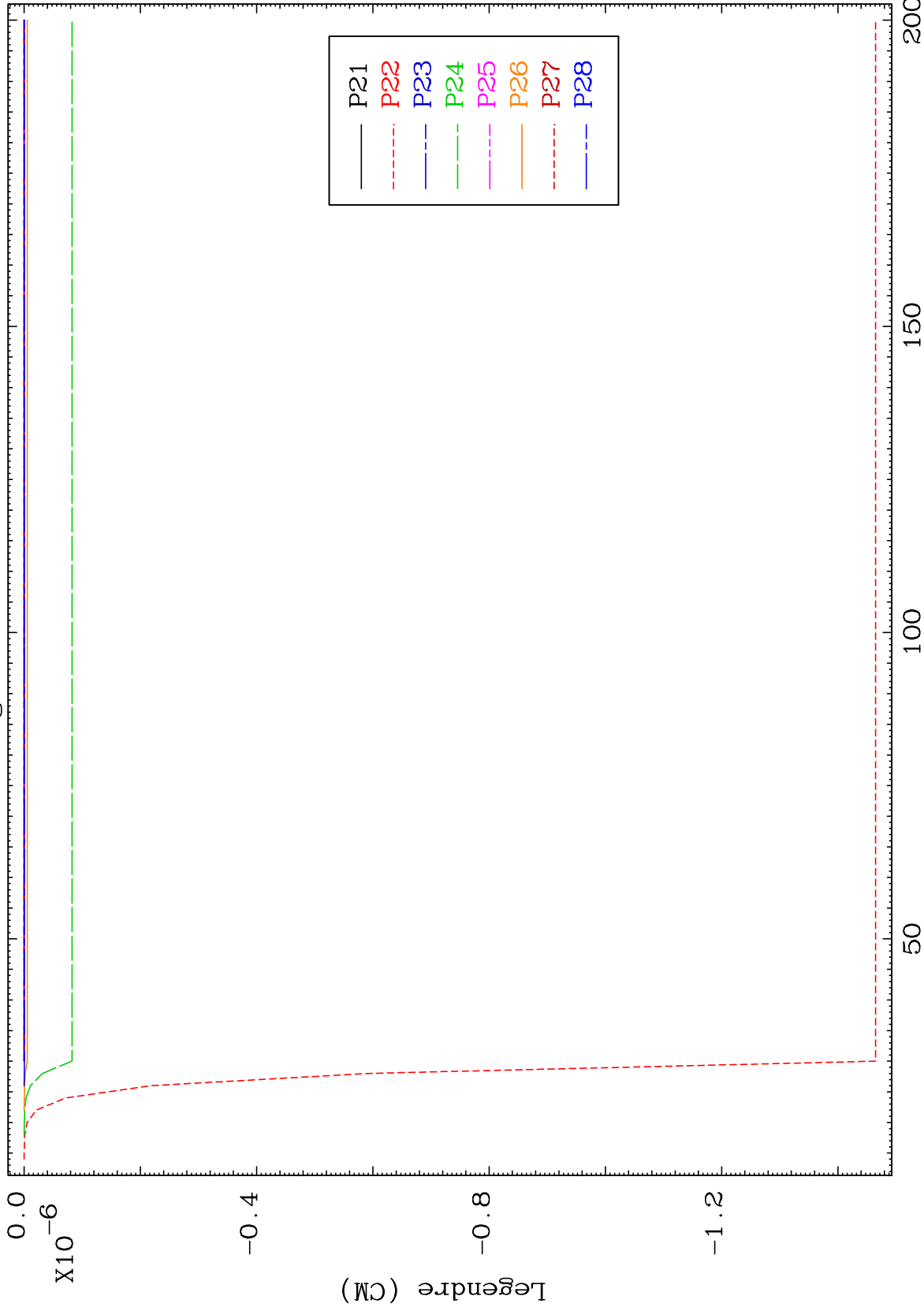


47 60-Nd-136

MAT 6007

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

60-Nd-136

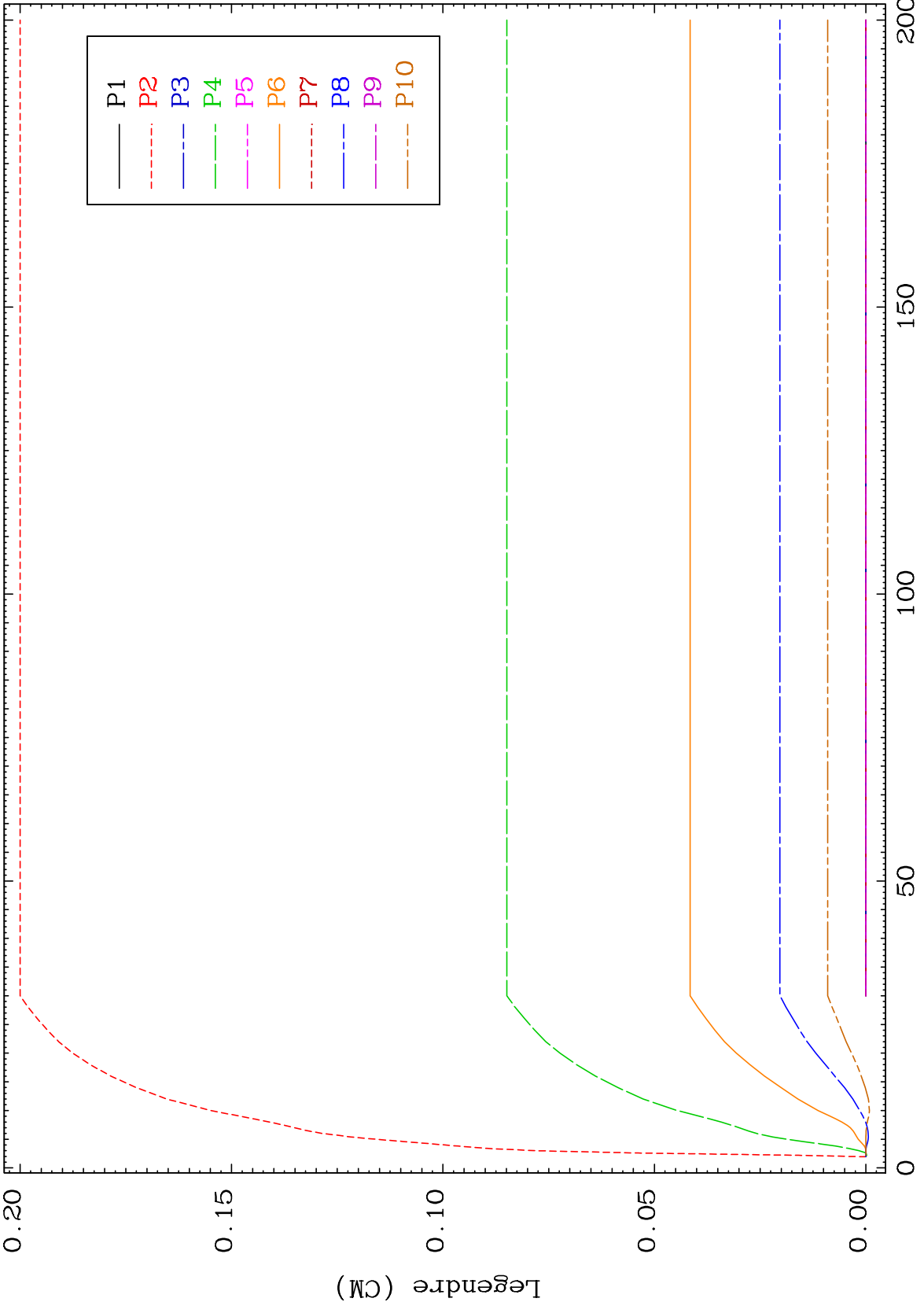


60-Nd-136

Incident Energy (MeV)

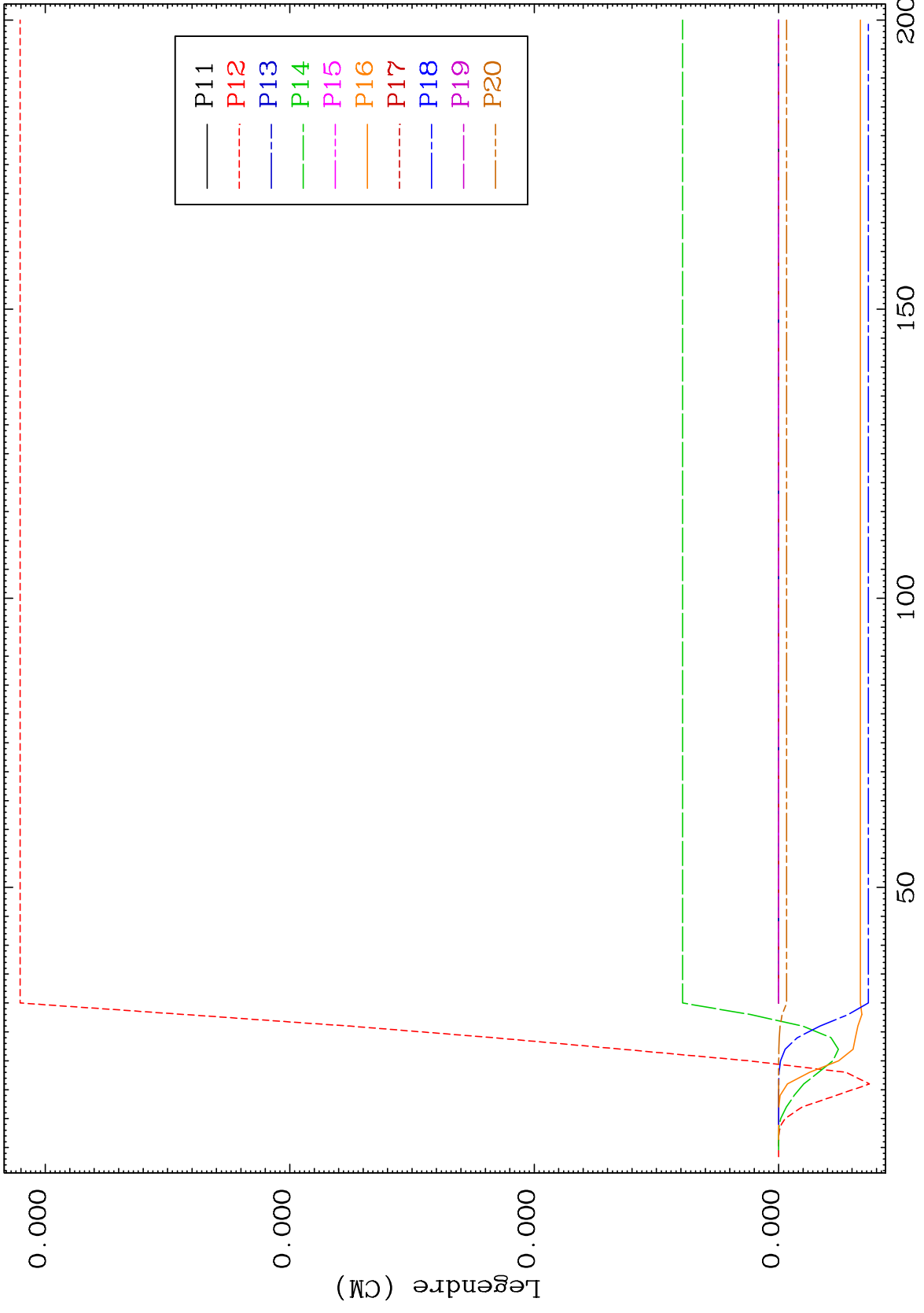
48

MAT 6007 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-136



49 60-Nd-136

MAT 6007 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-136

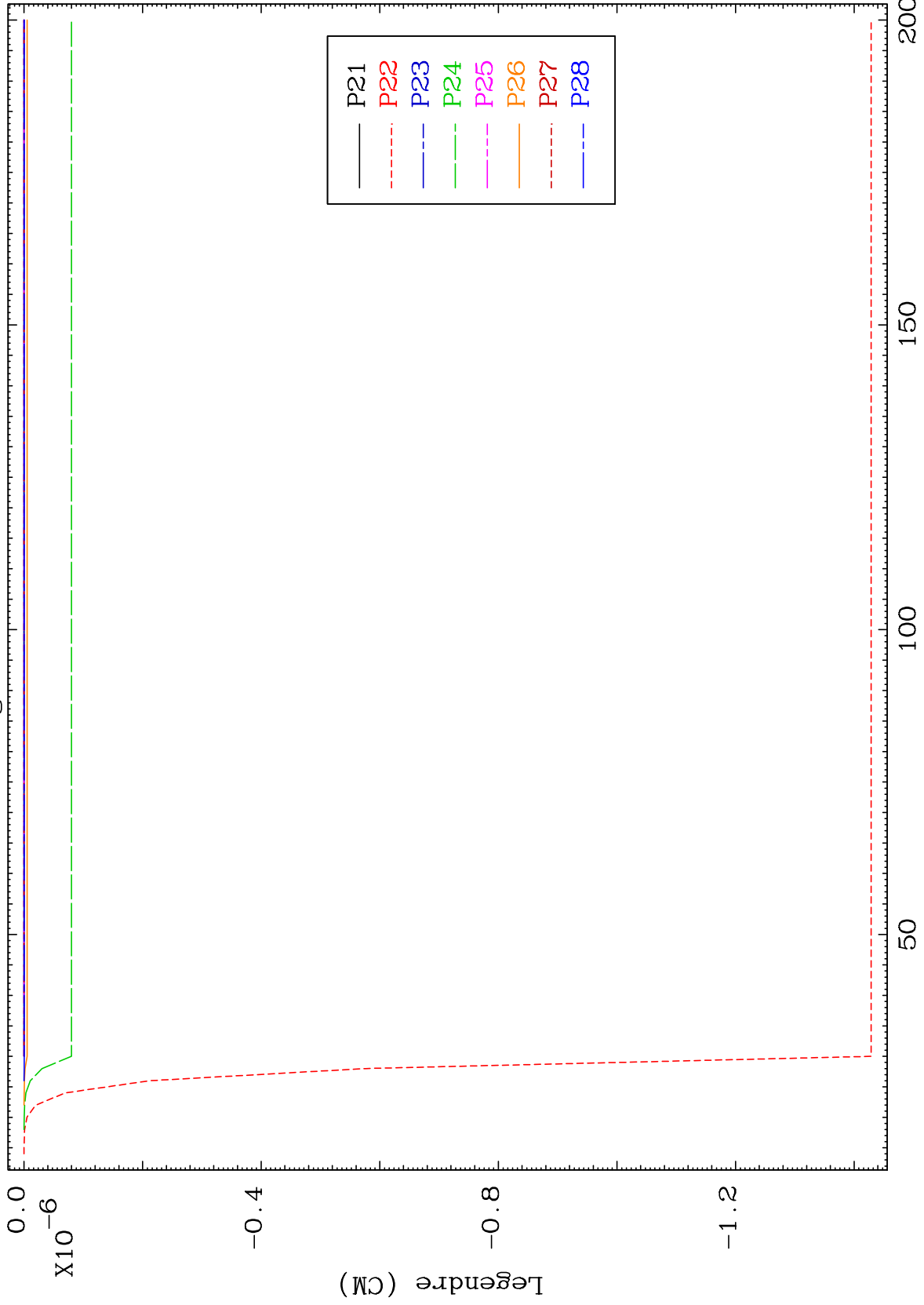


60-Nd-136

MAT 6007

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

60-Nd-136



60-Nd-136

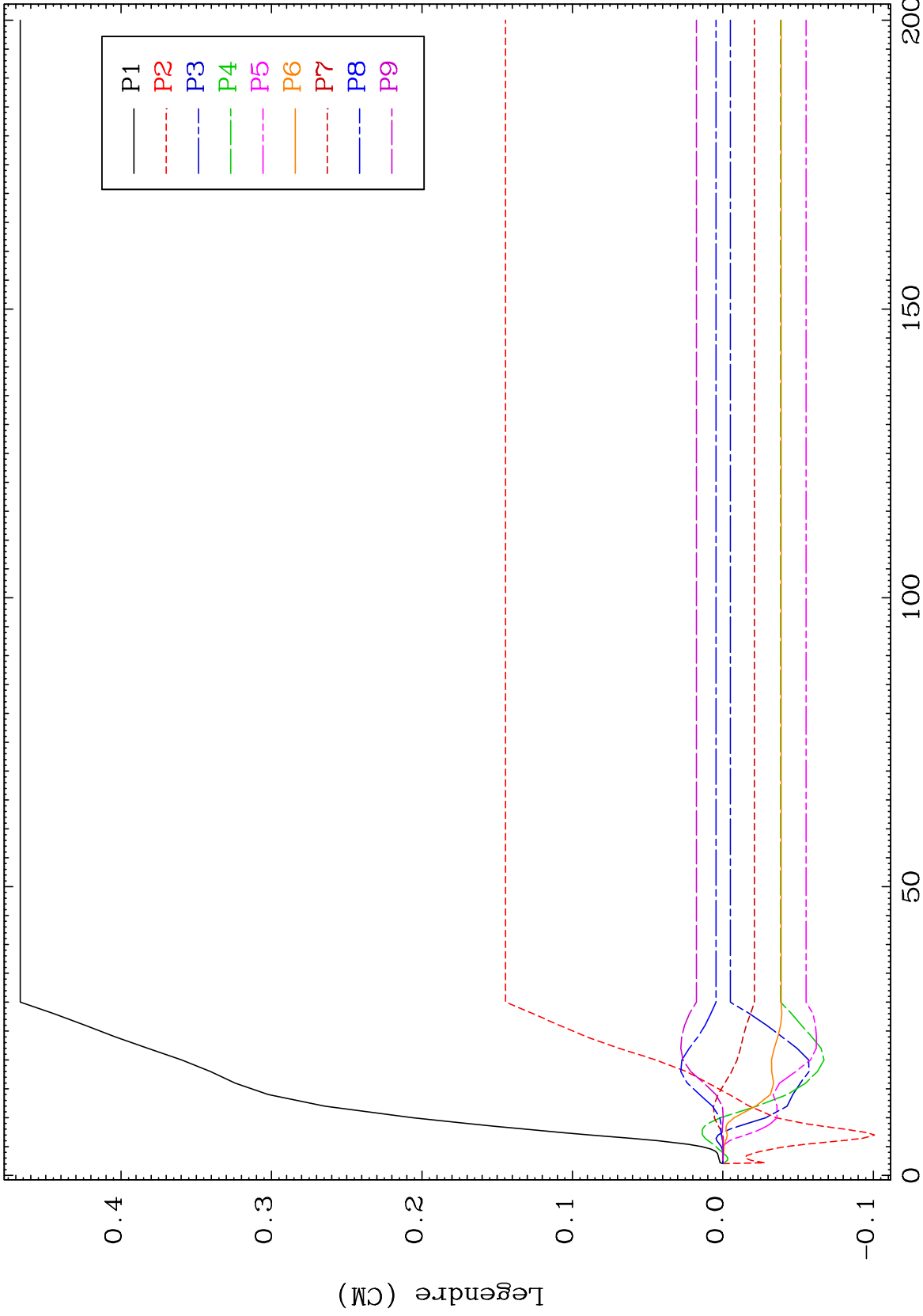
Incident Energy (MeV)

51

MAT 6007

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

60-Nd-136

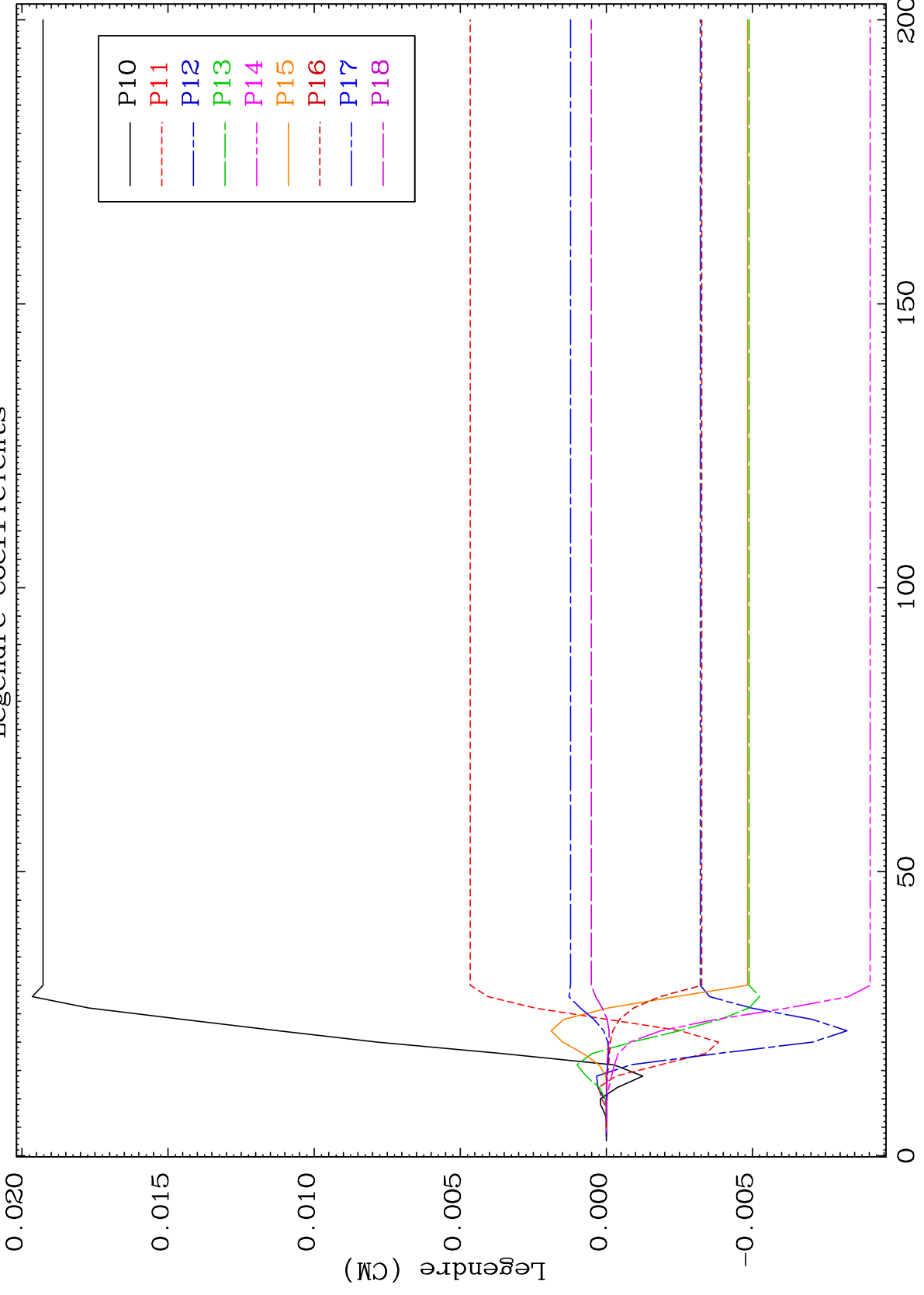


52

Incident Energy (MeV)

60-Nd-136

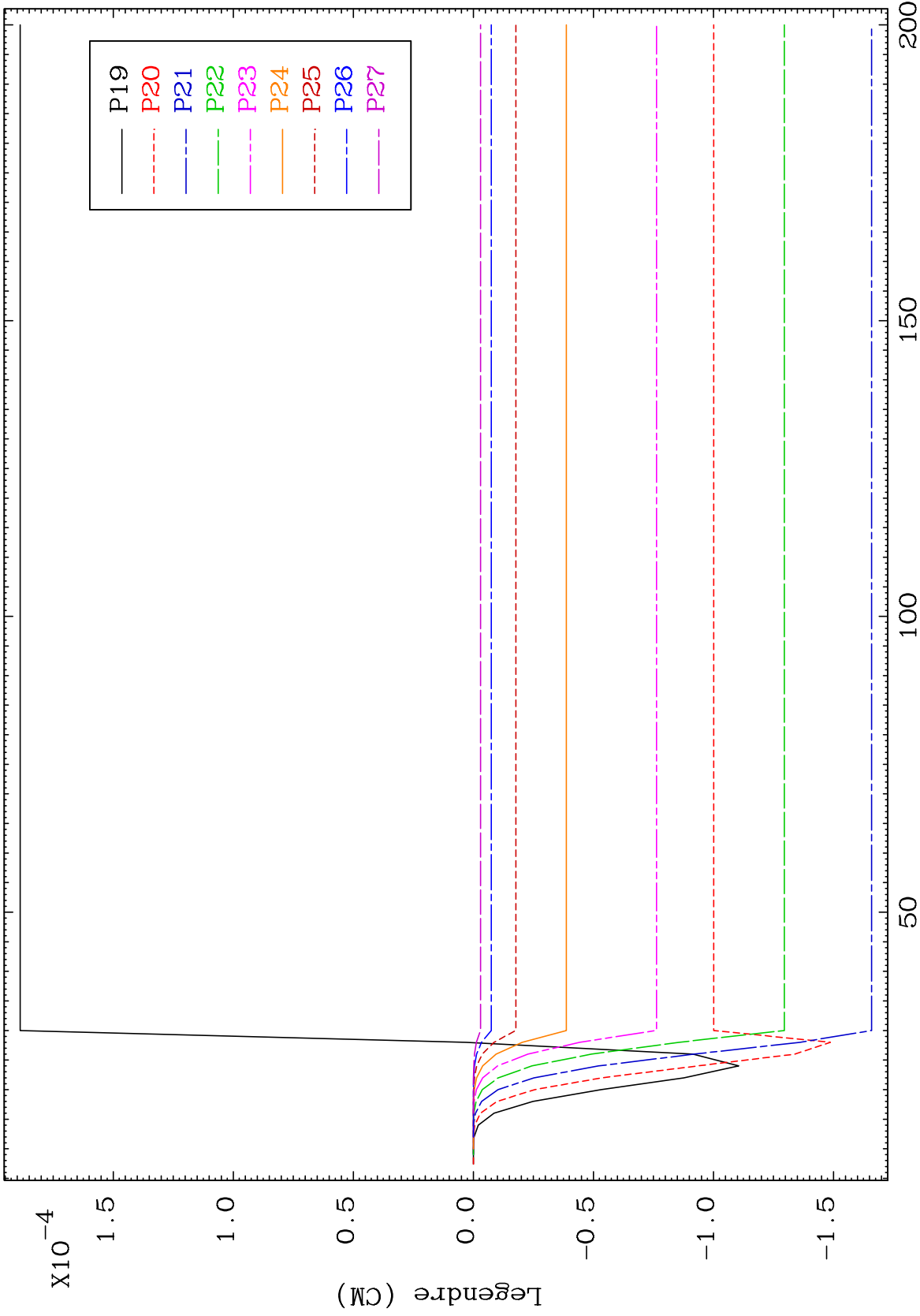
MAT 6007 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-136



MAT 6007

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

60-Nd-136



54

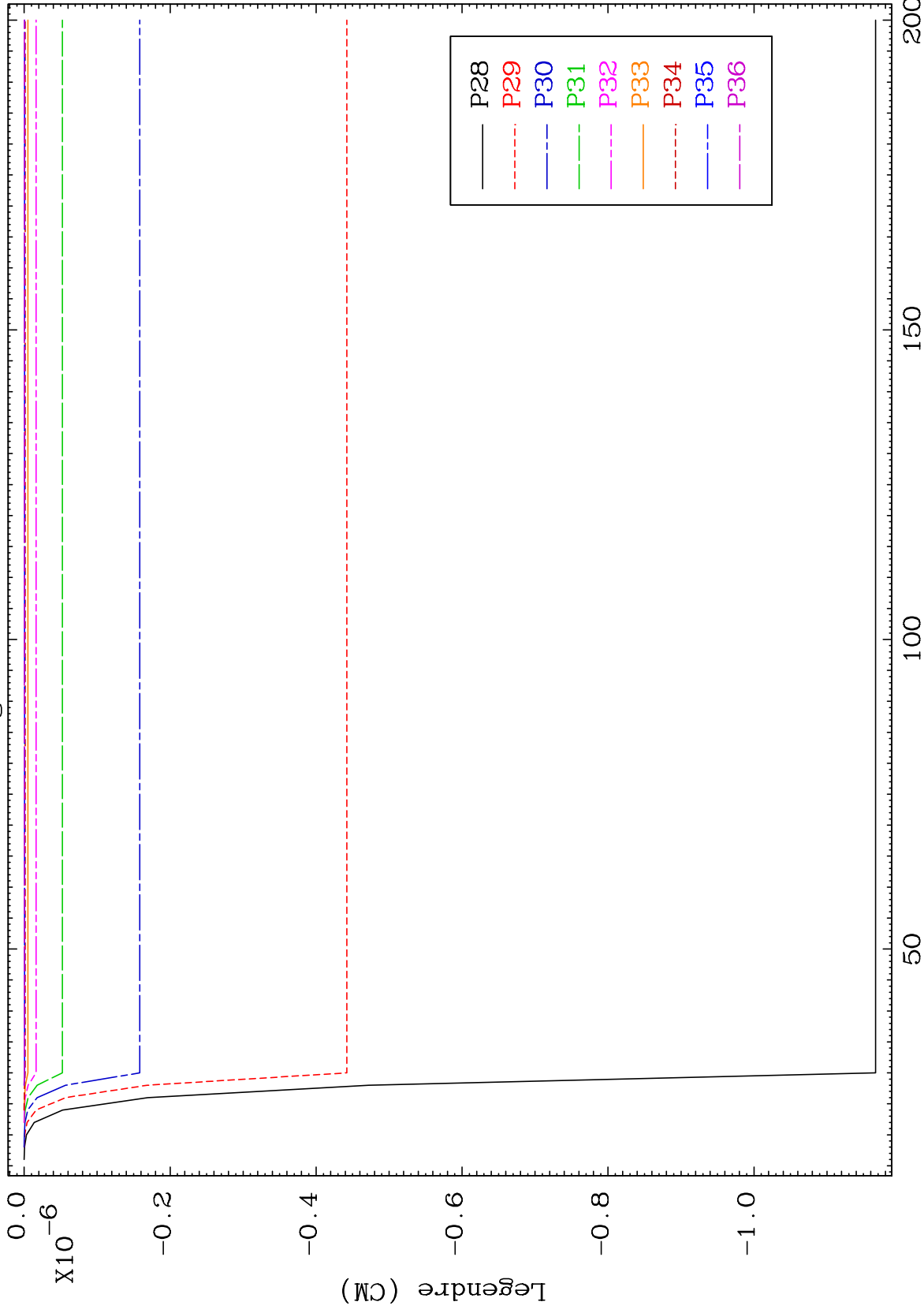
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

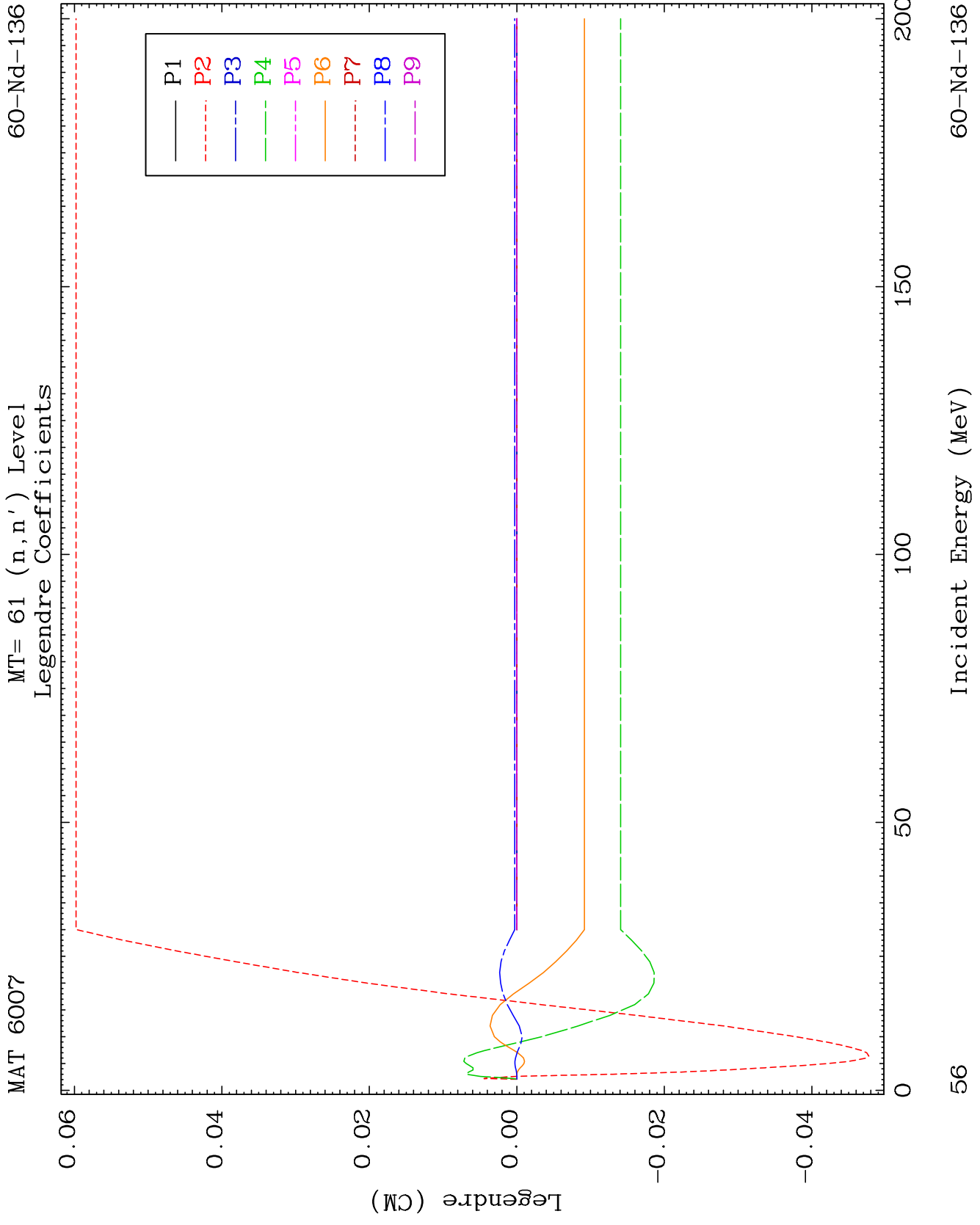
60-Nd-136



55

Incident Energy (MeV)

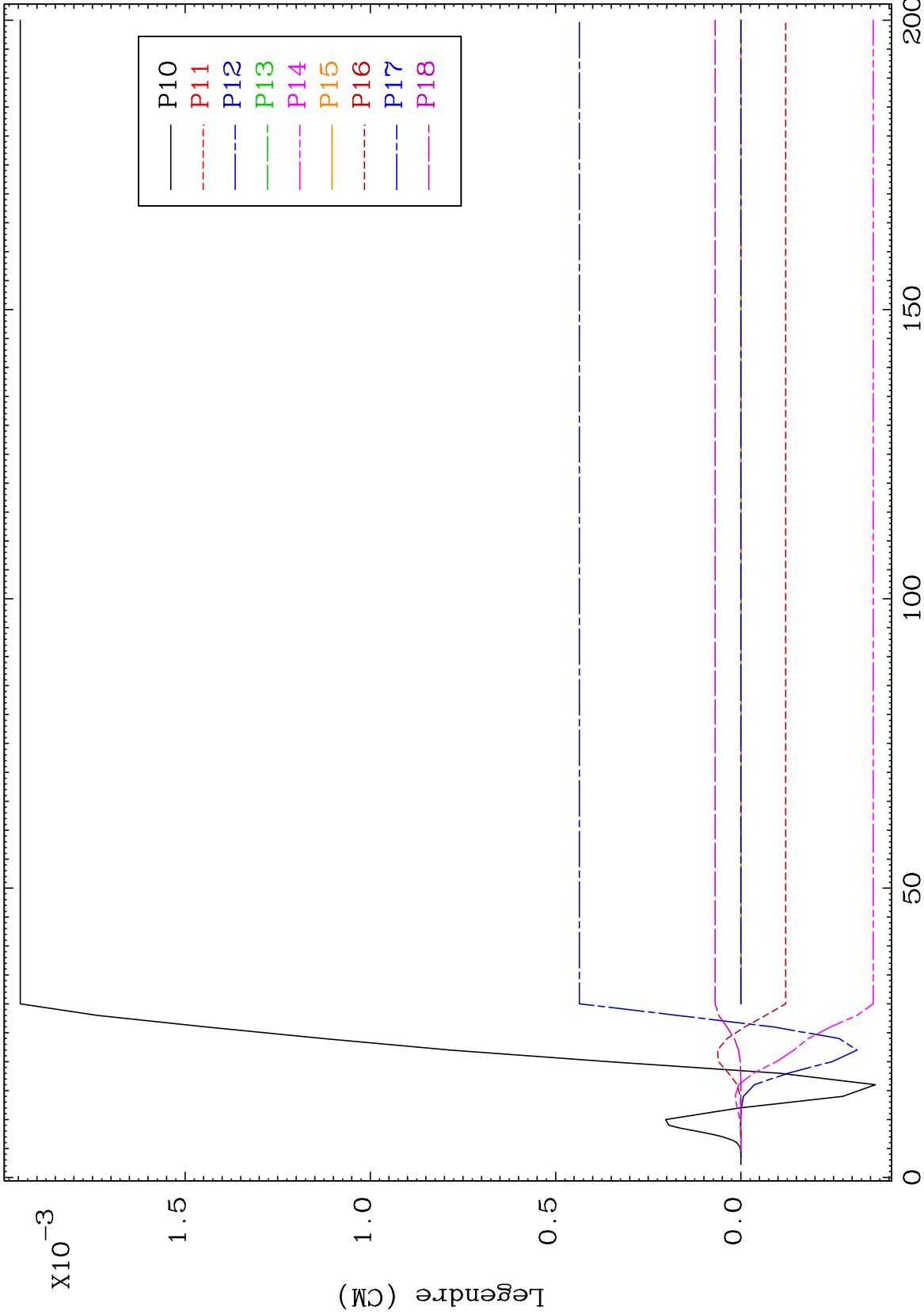
60-Nd-136



MAT 6007

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

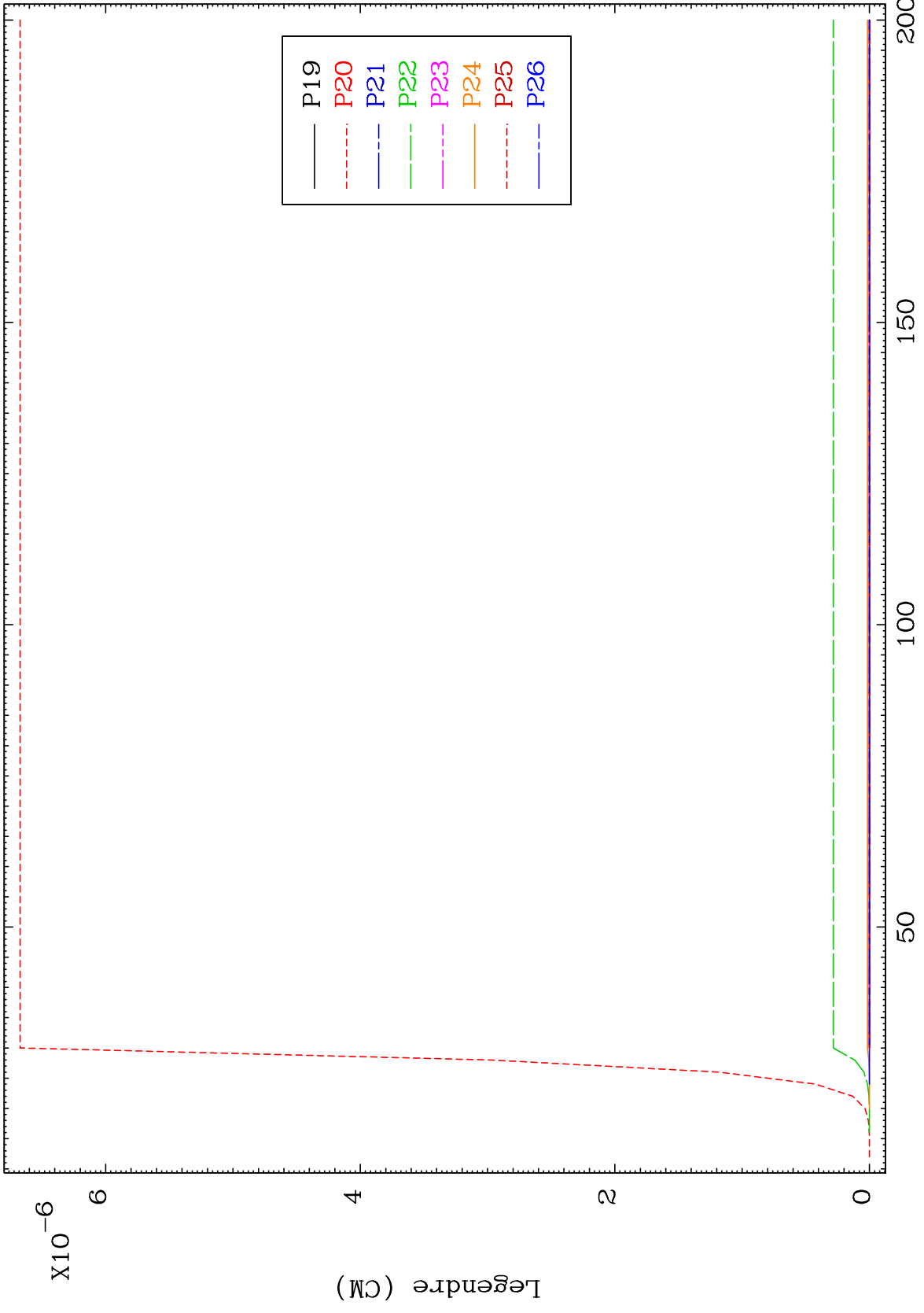
60-Nd-136



57

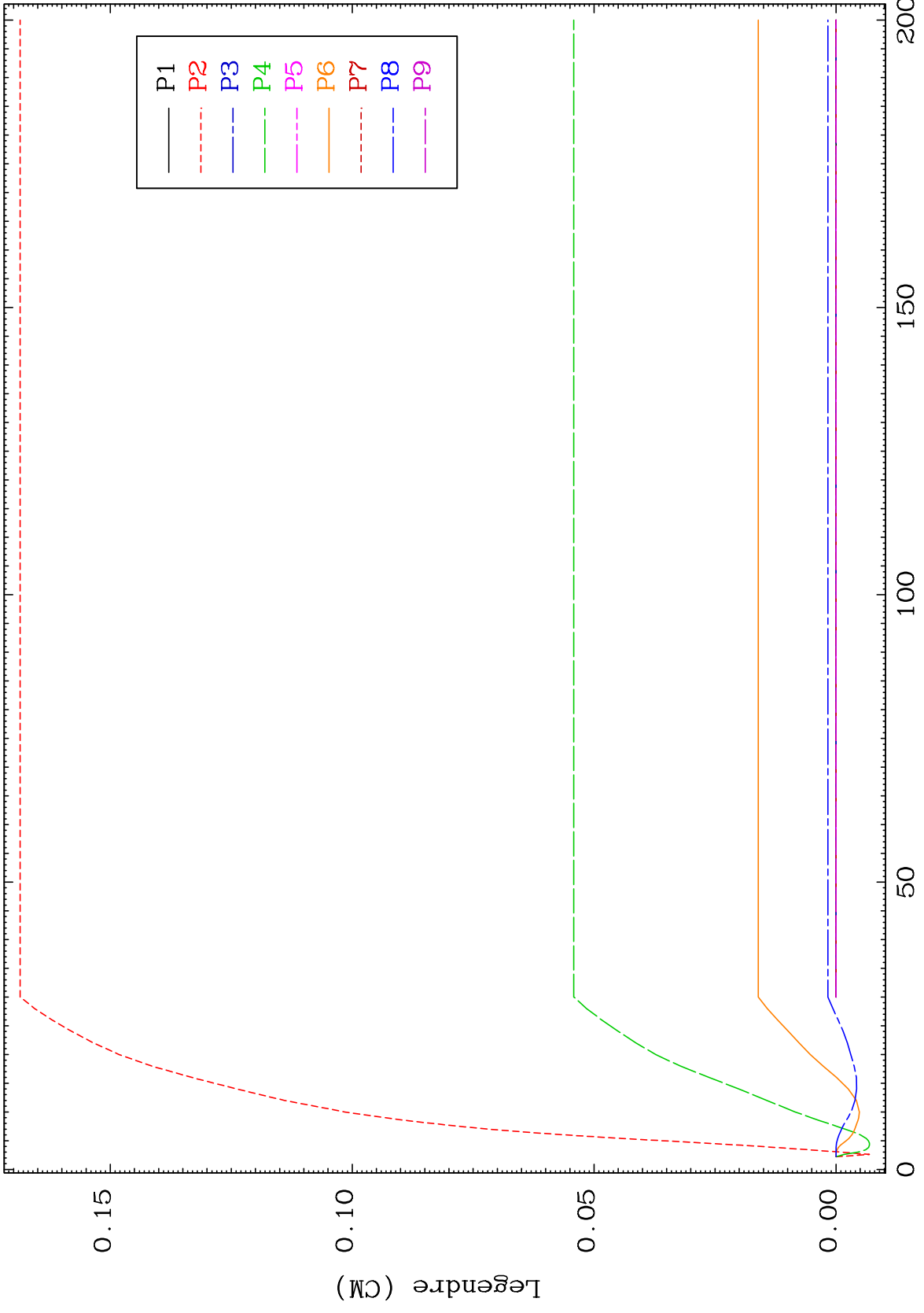
60-Nd-136

MAT 6007 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-136



58 Incident Energy (MeV) 200 60-Nd-136

MAT 6007 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-136

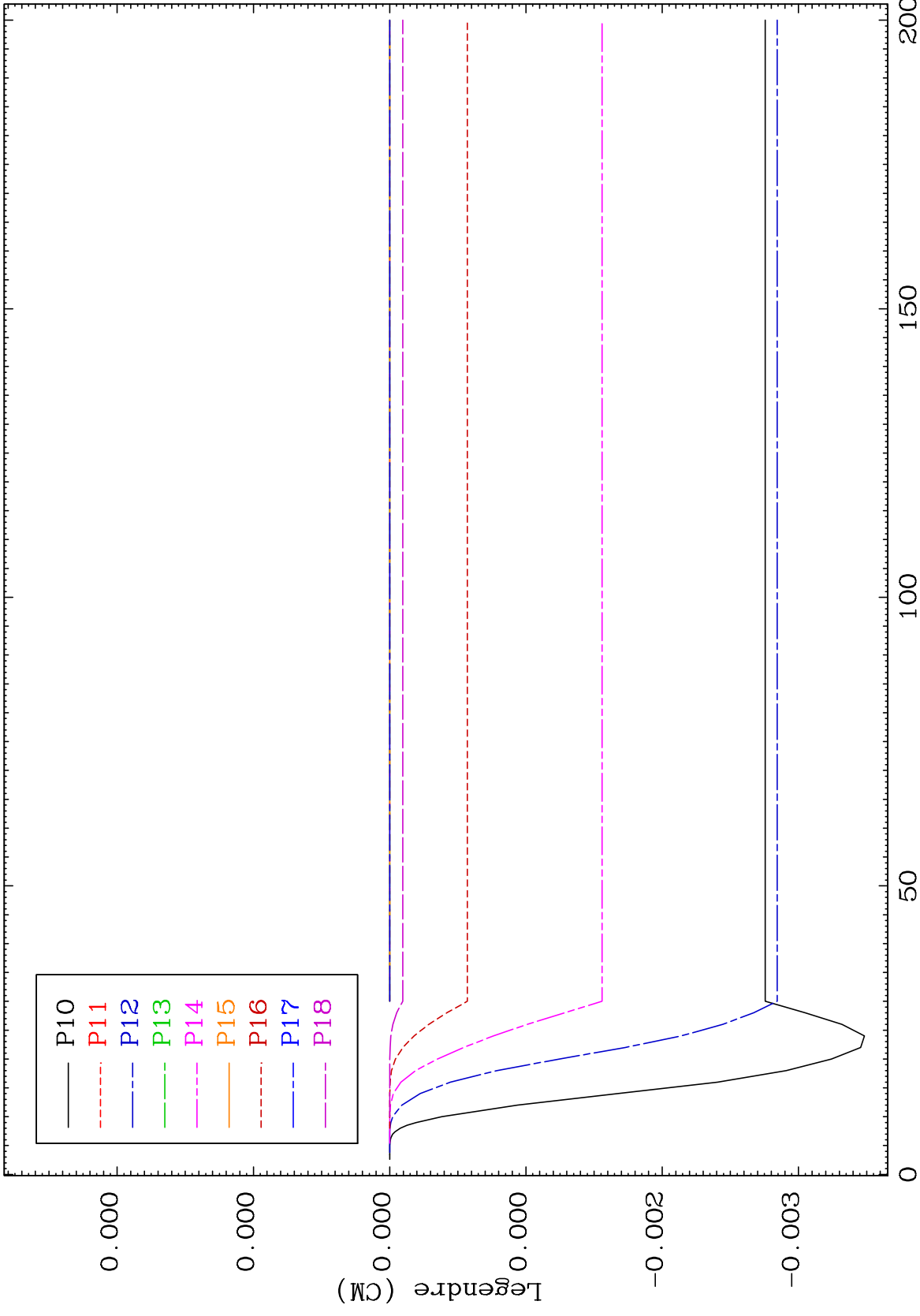


59 Incident Energy (MeV) 60-Nd-136

MAT 6007

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

60-Nd-136



60

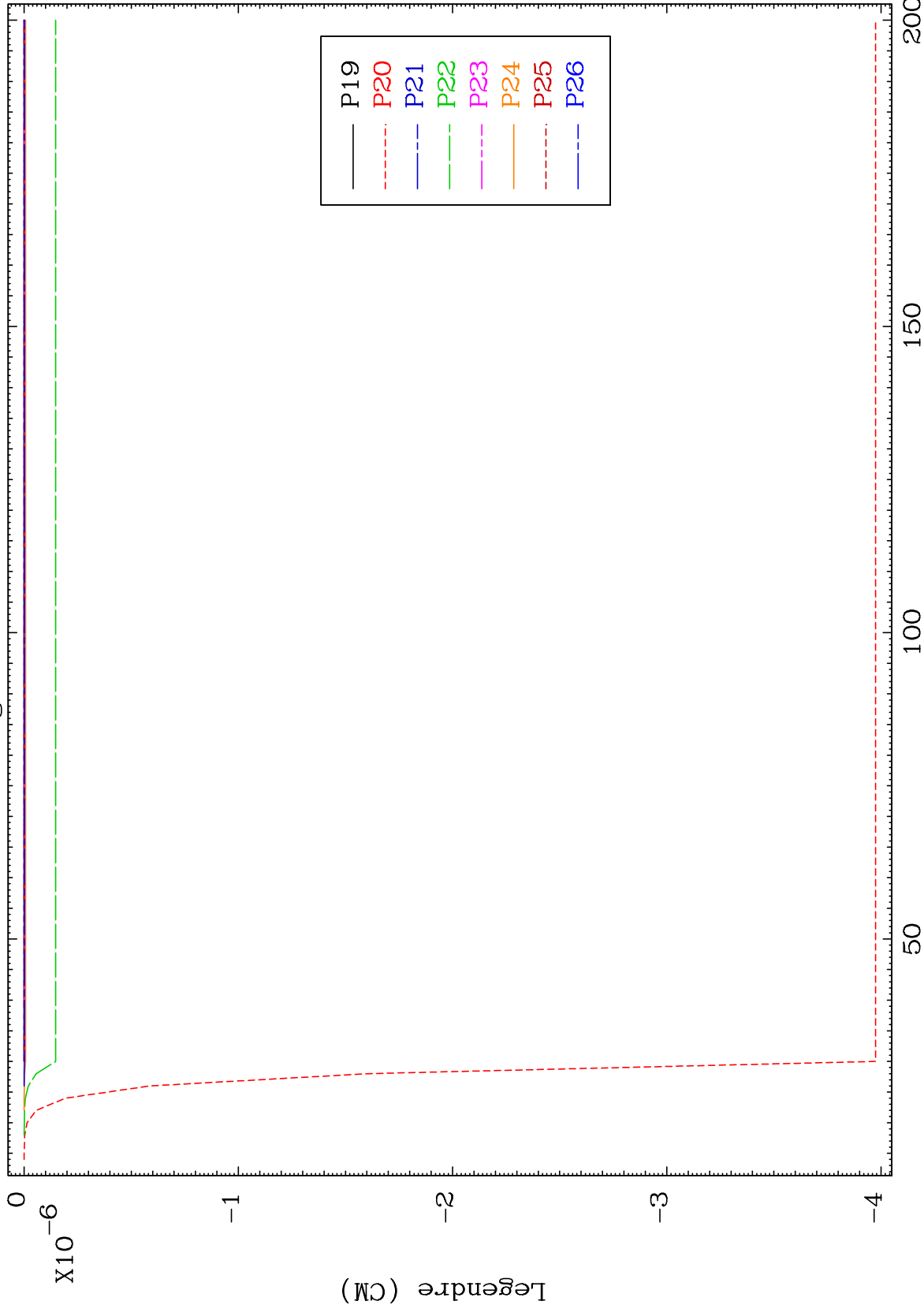
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



60-Nd-136

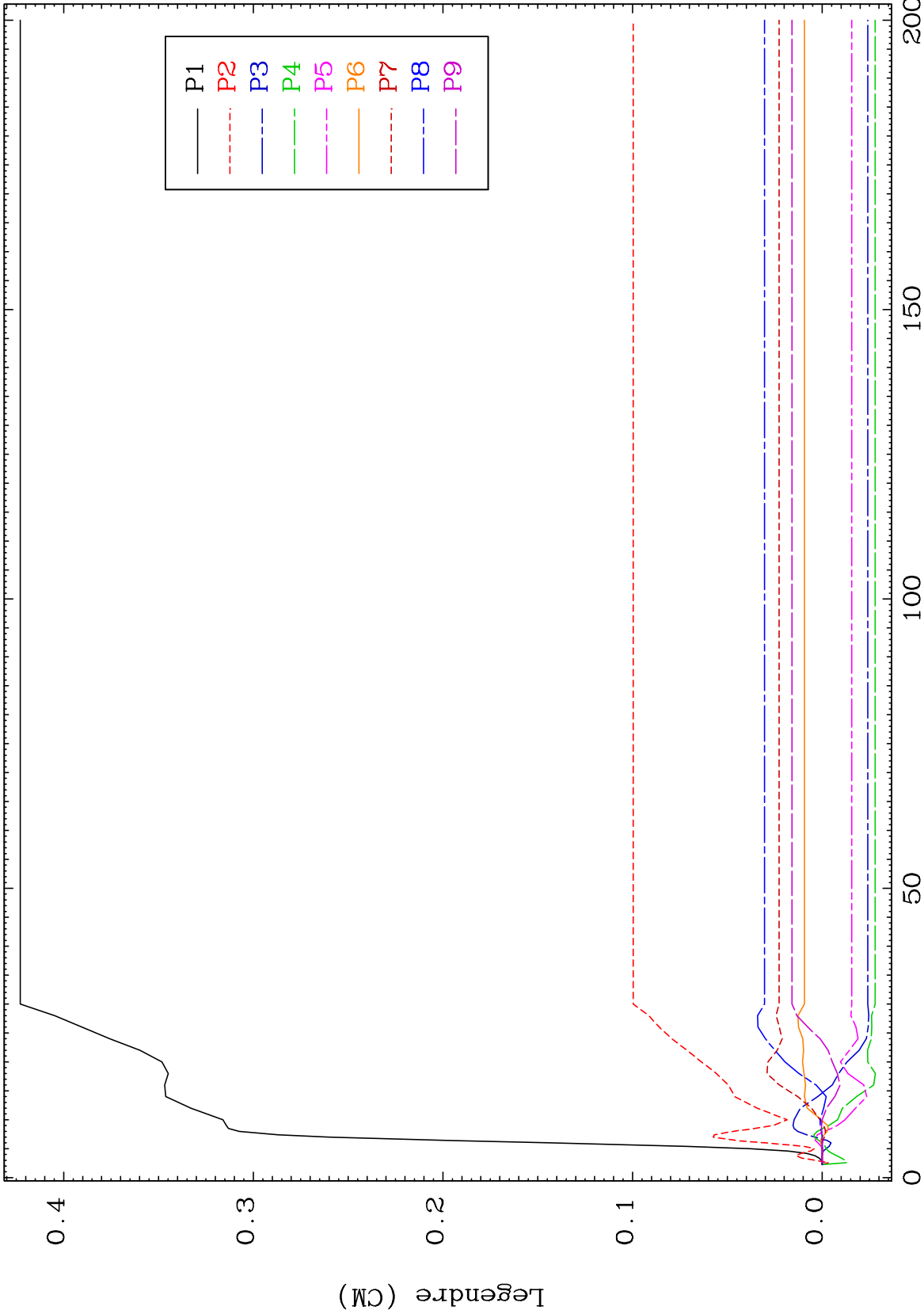
Incident Energy (MeV)

61

MAT 6007

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

60-Nd-136

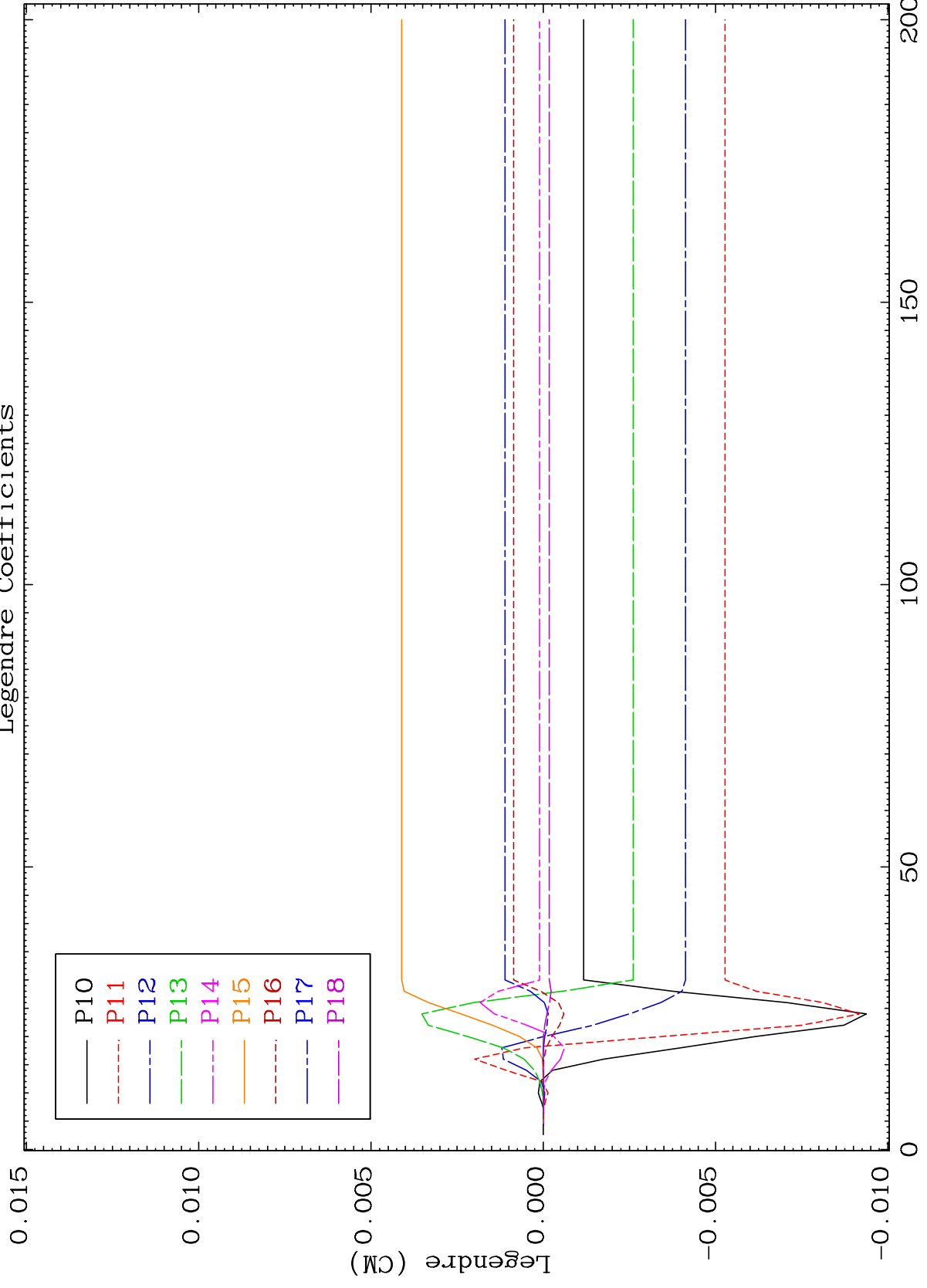


62

Incident Energy (MeV)

60-Nd-136

MAT 6007 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-136

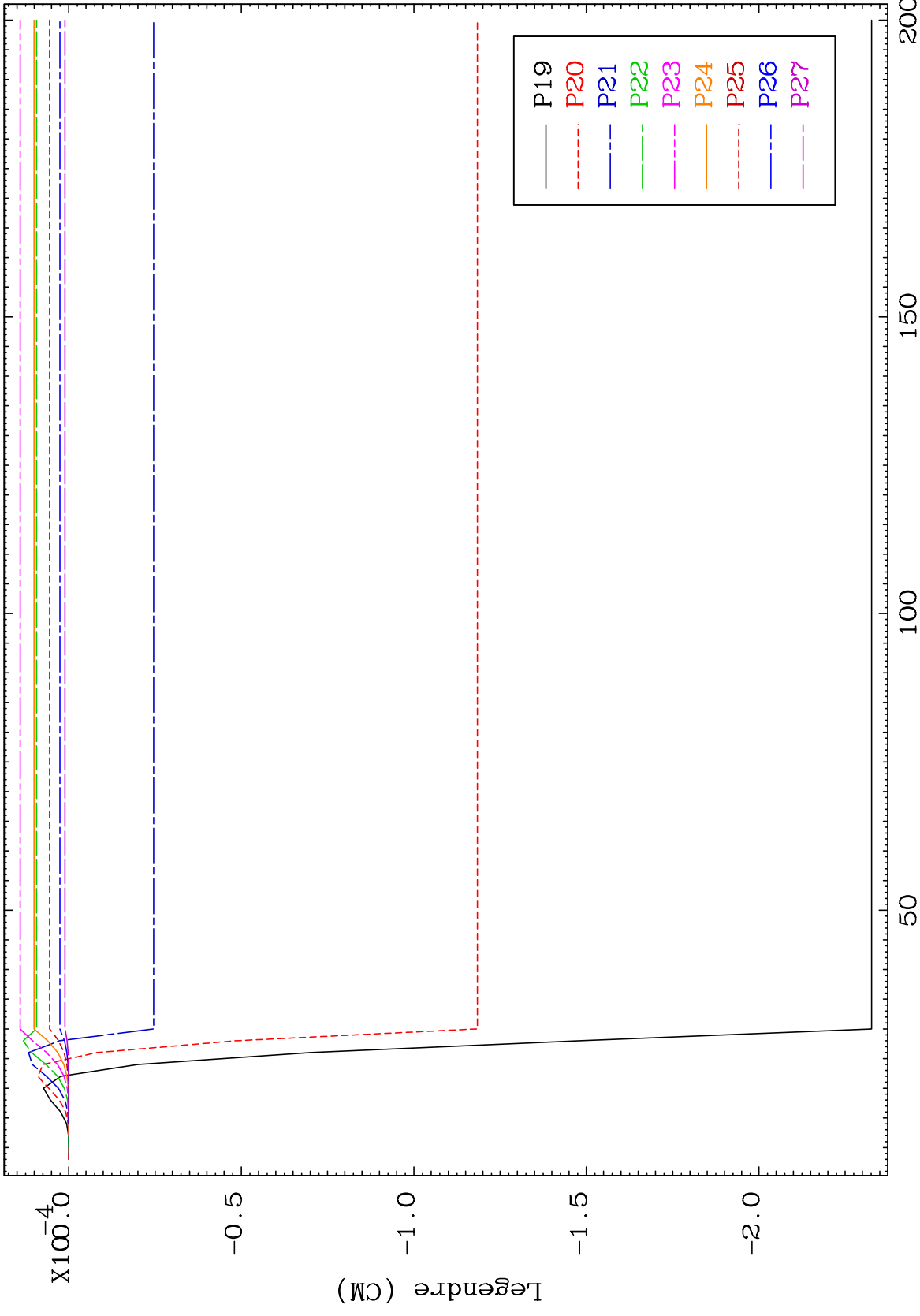


63 60-Nd-136

MAT 6007

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

60-Nd-136



60-Nd-136

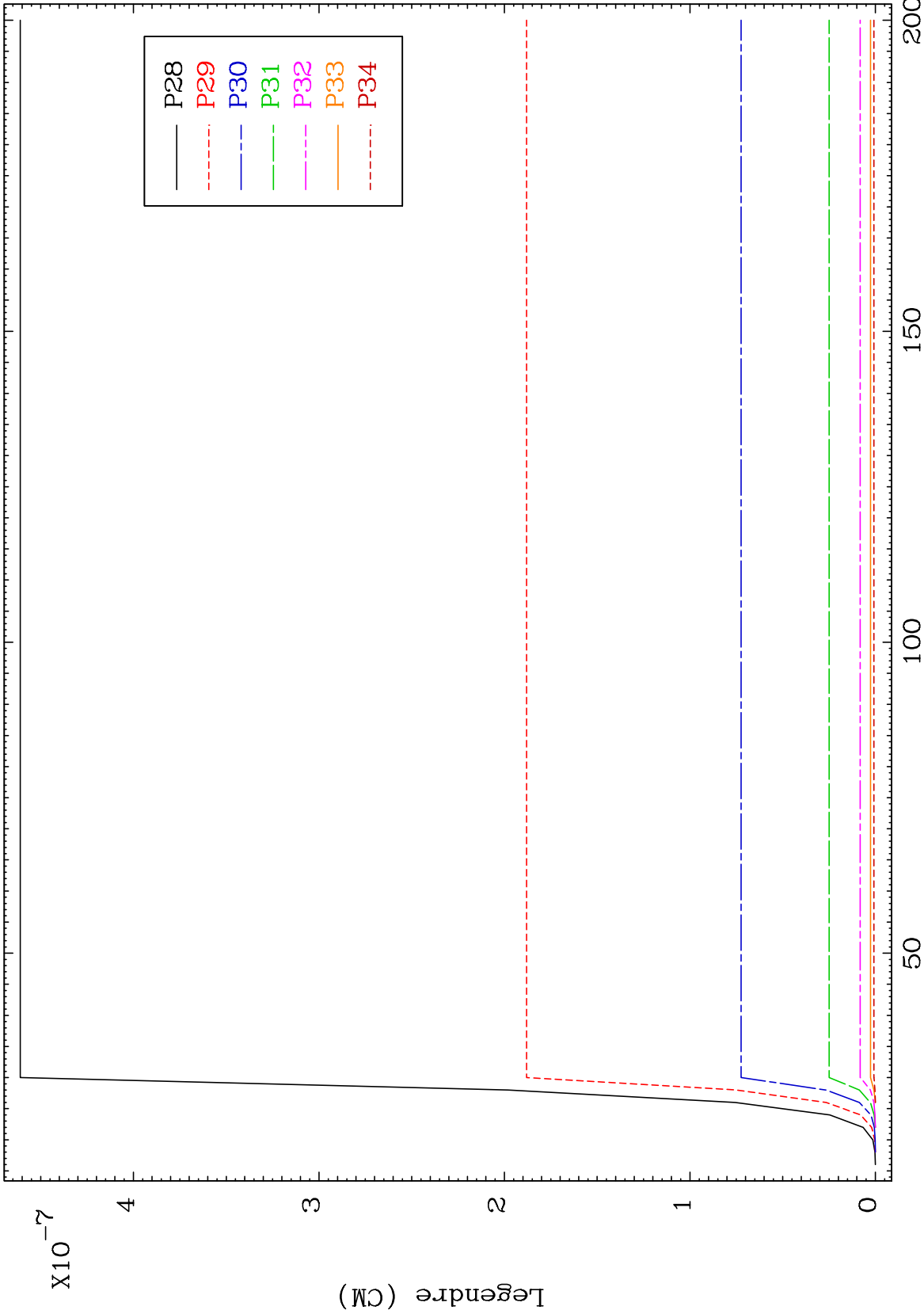
Incident Energy (MeV)

64

MAT 6007

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

60-Nd-136



65

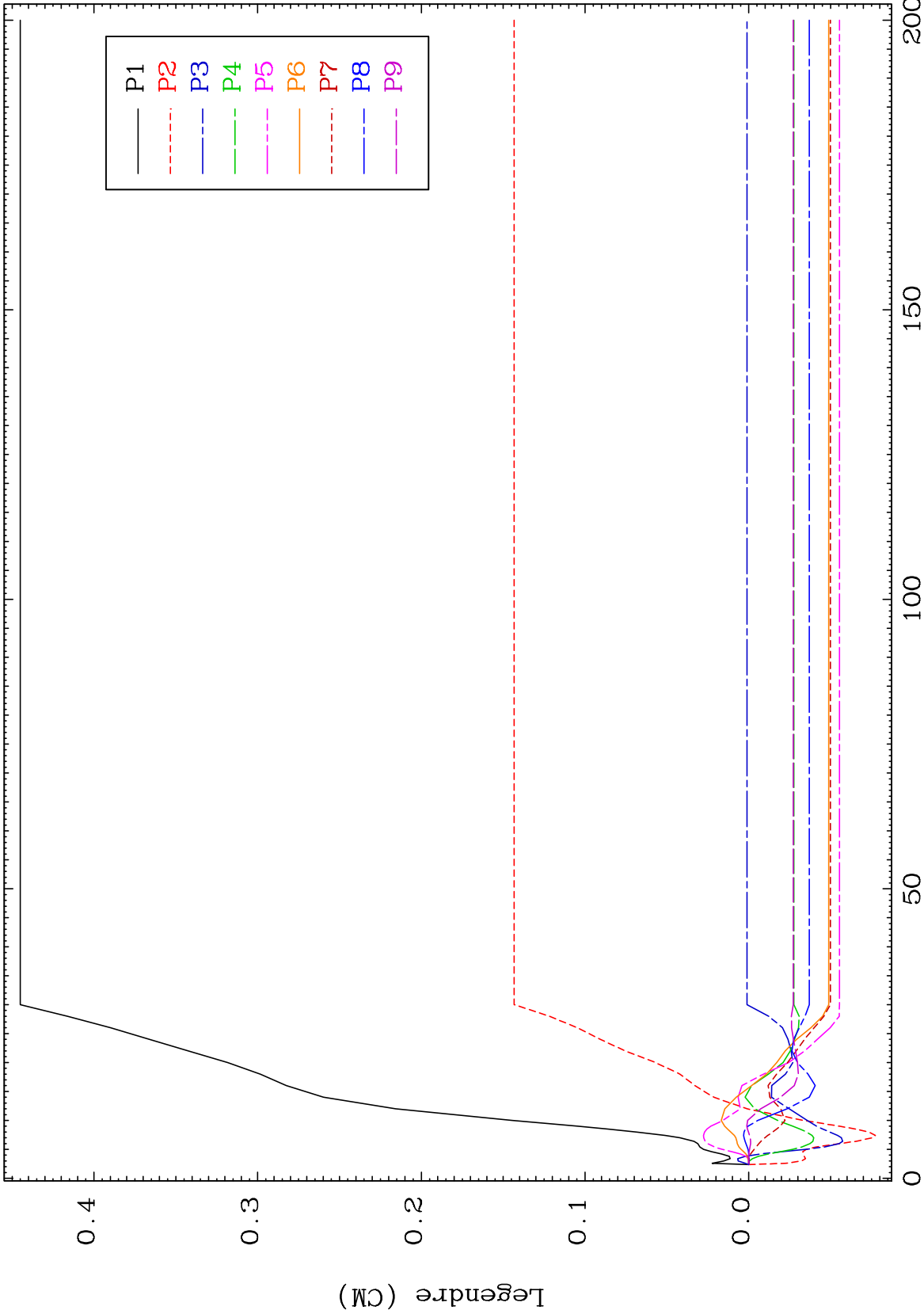
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136

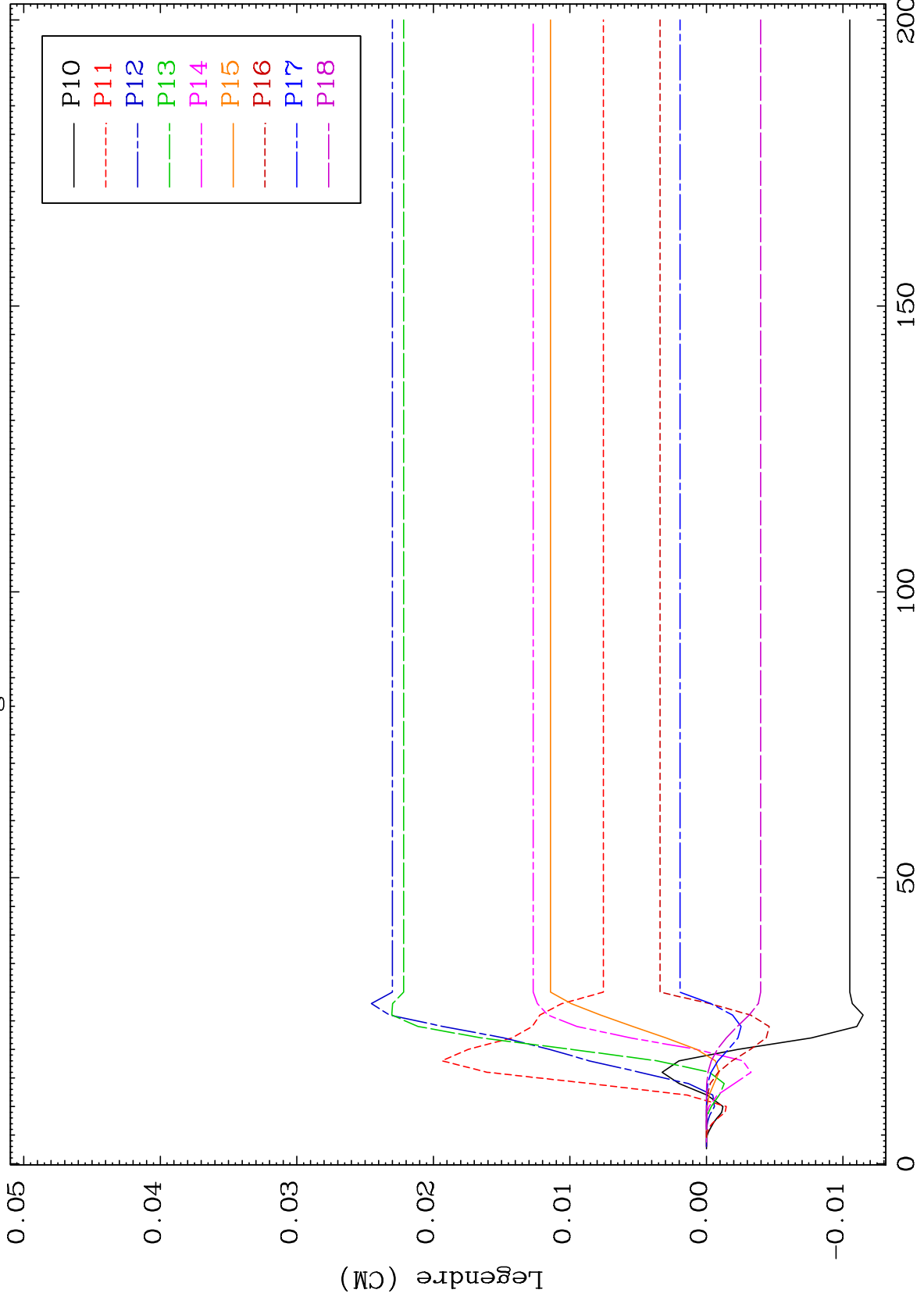


66

Incident Energy (MeV)

60-Nd-136

MAT 6007 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-136

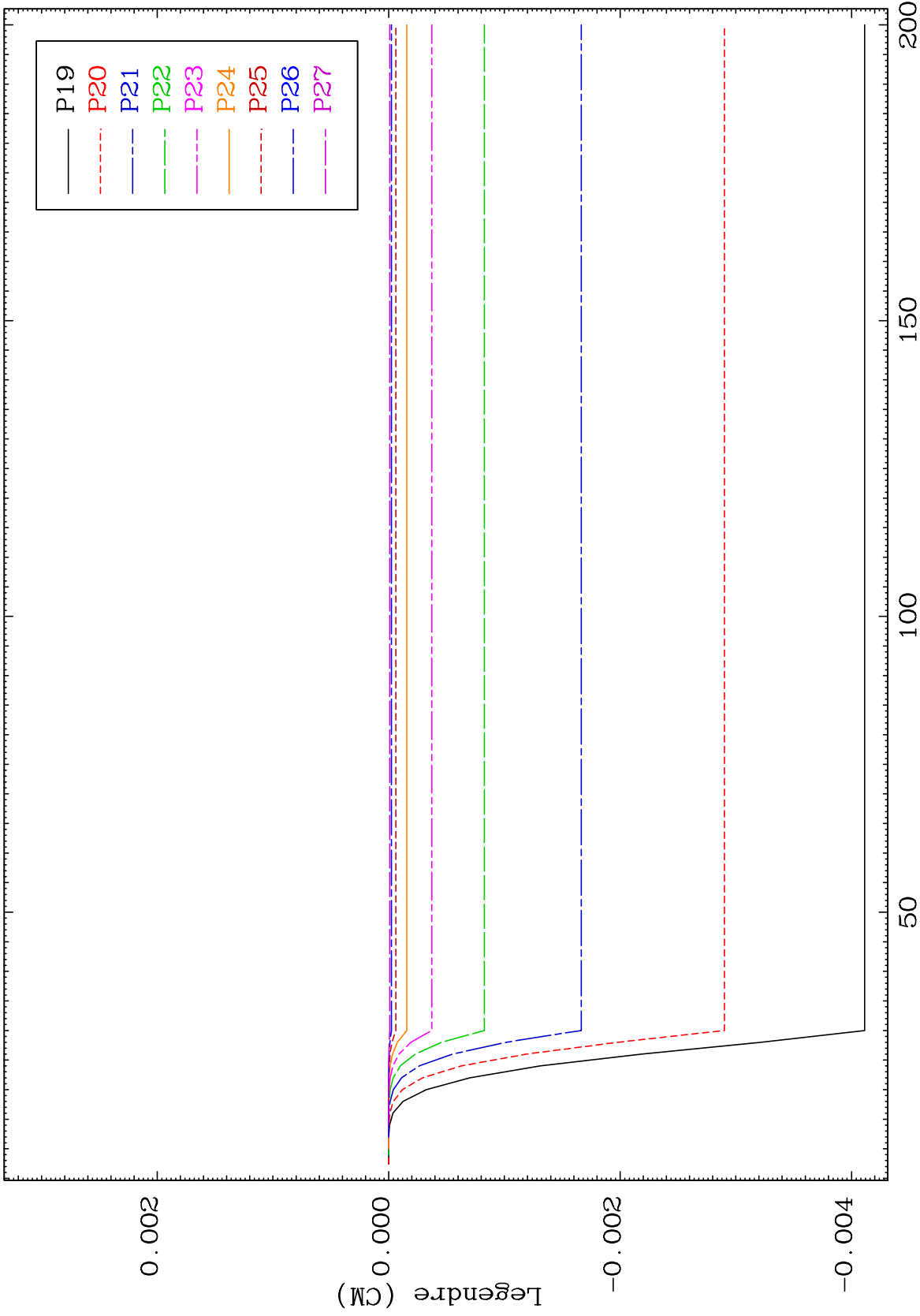


67 60-Nd-136

MAT 6007

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

60-Nd-136



68

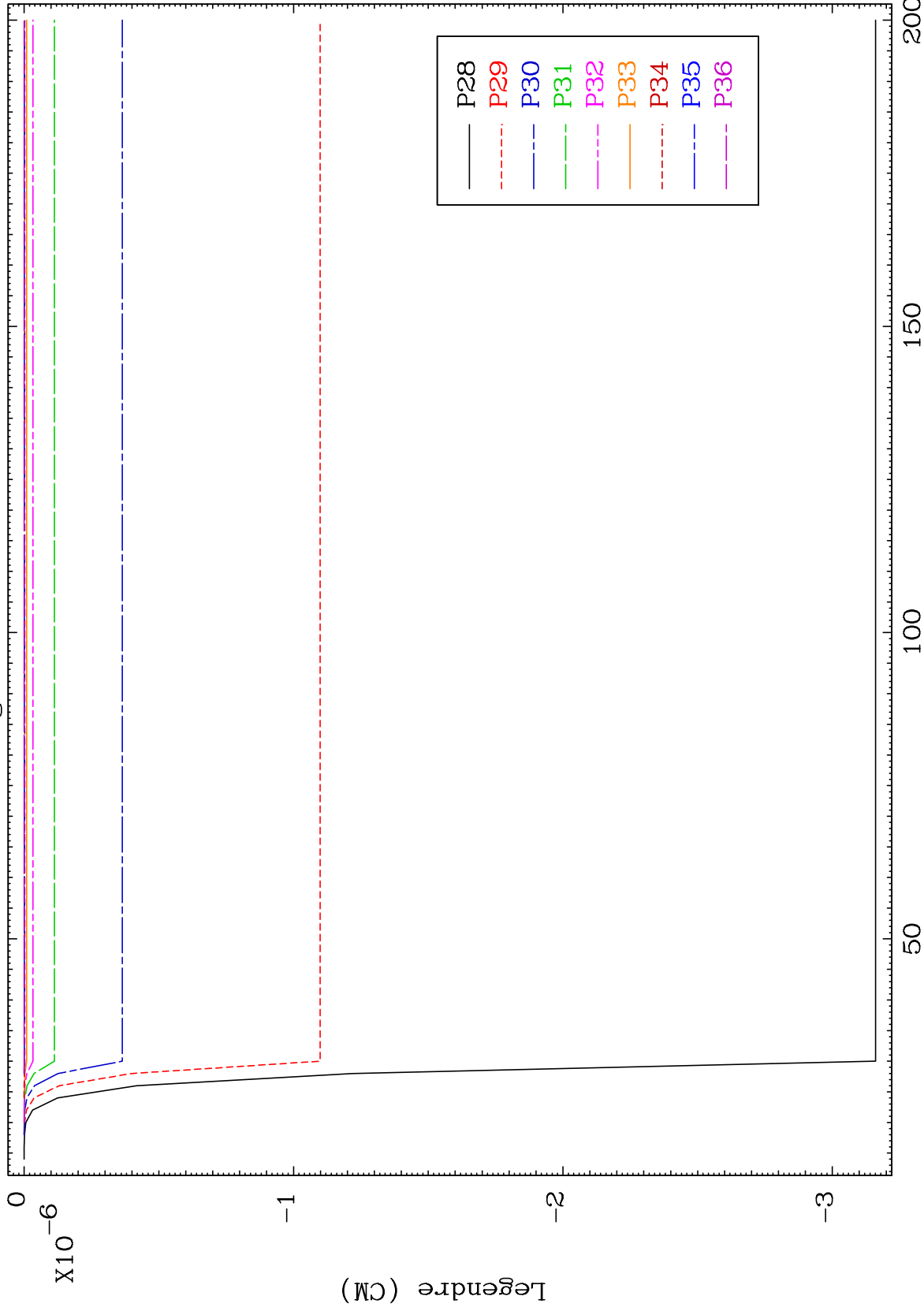
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



60-Nd-136

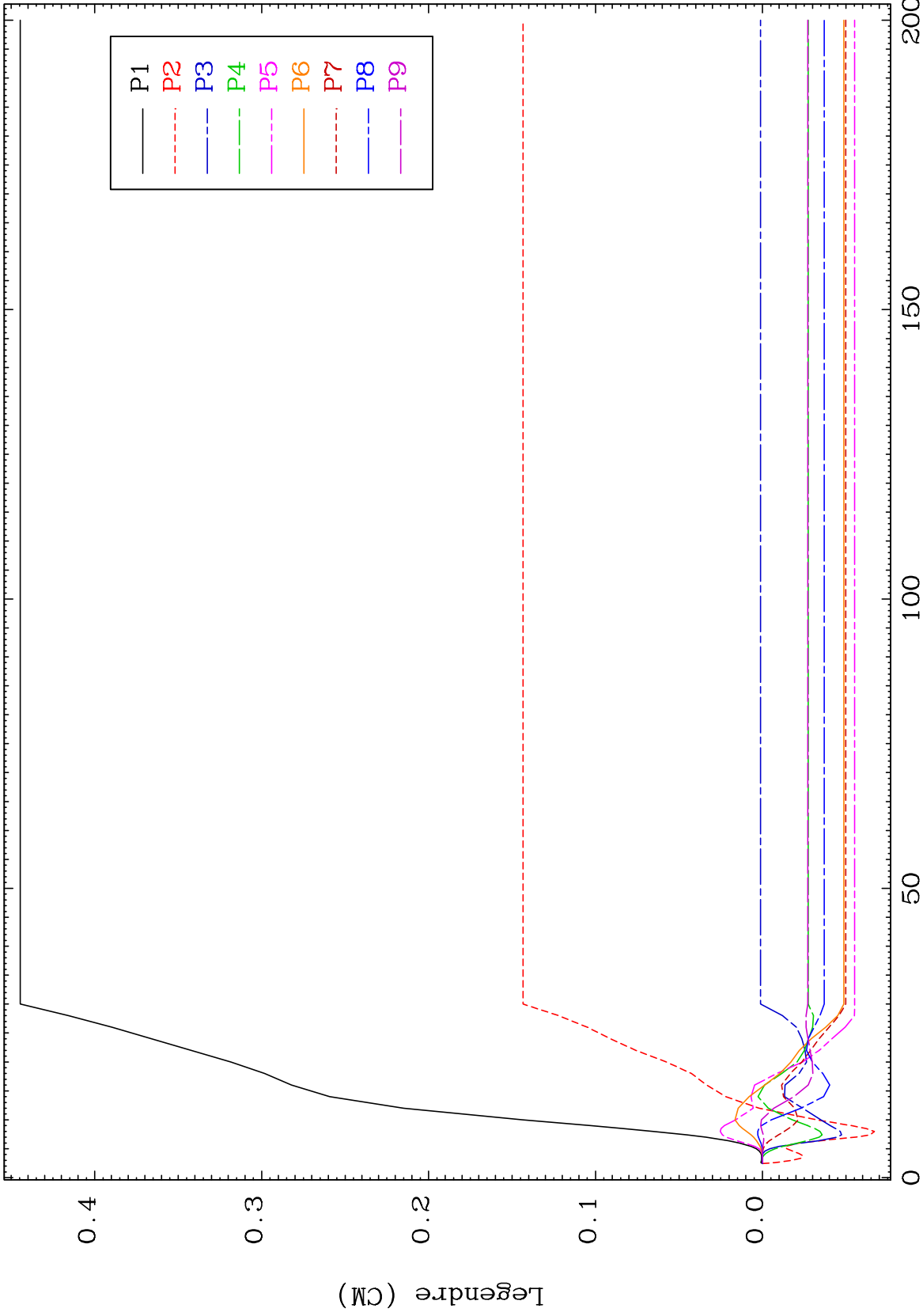
Incident Energy (MeV)

69

MAT 6007

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

60-Nd-136



70

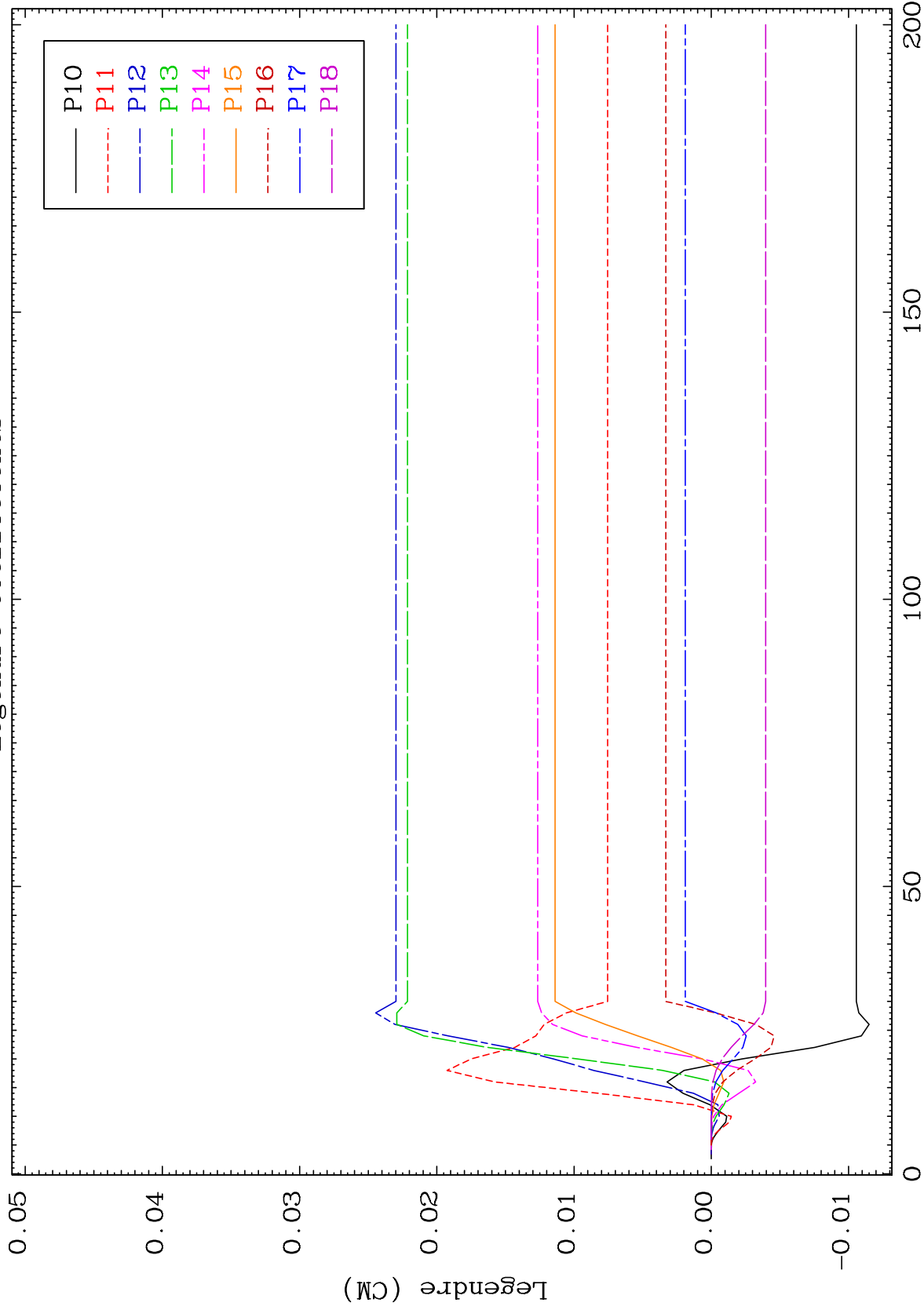
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



71

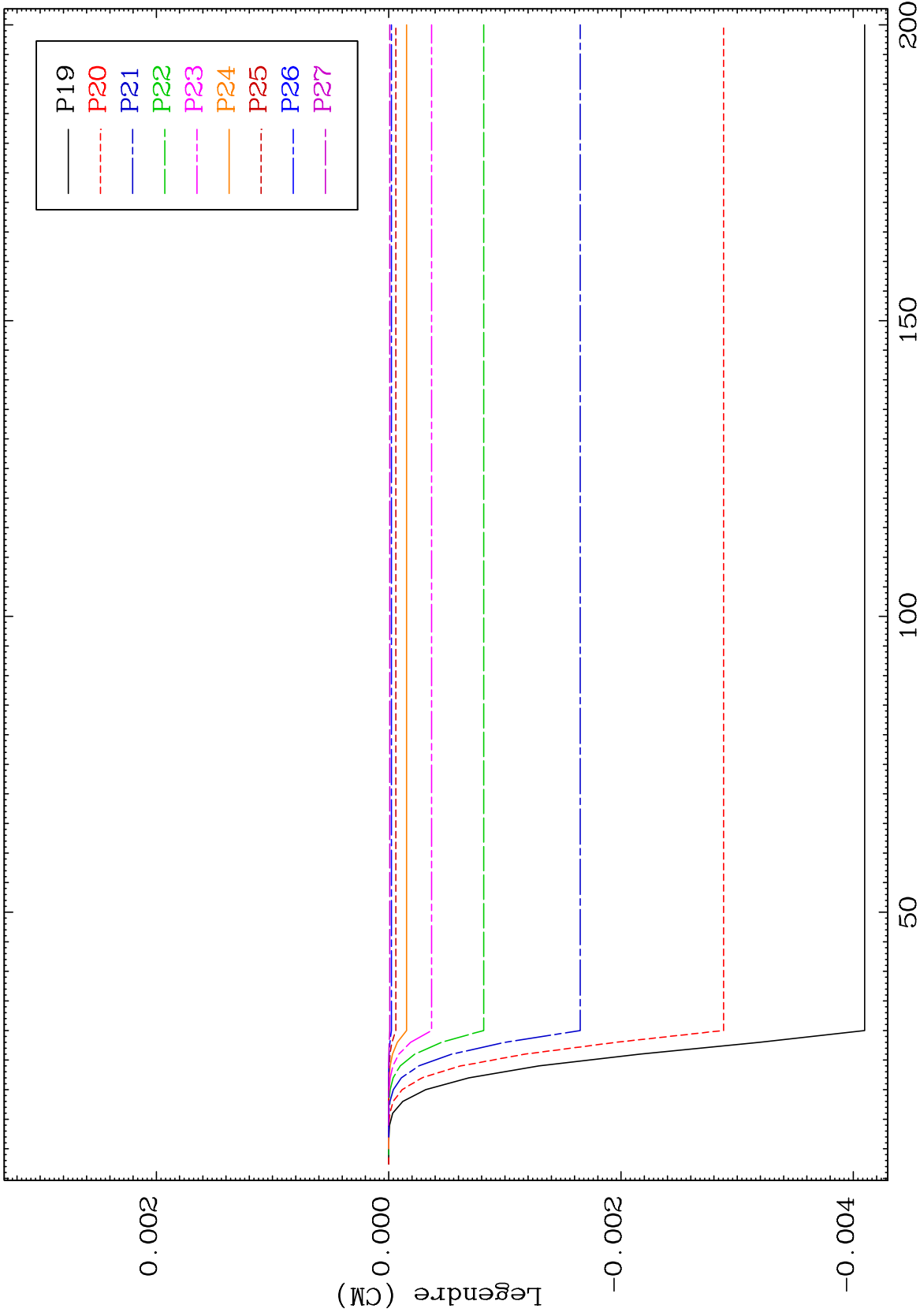
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



72

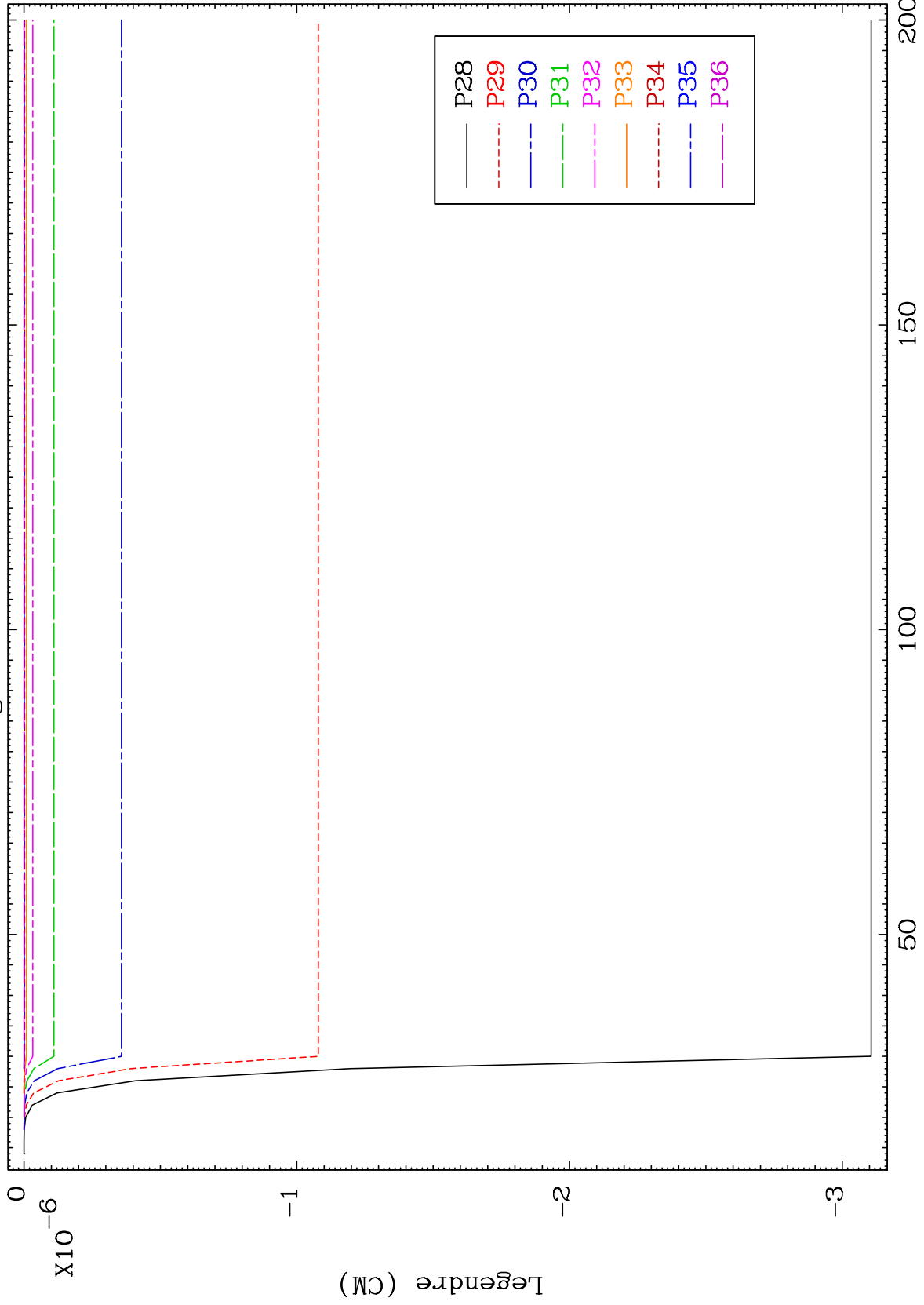
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



73

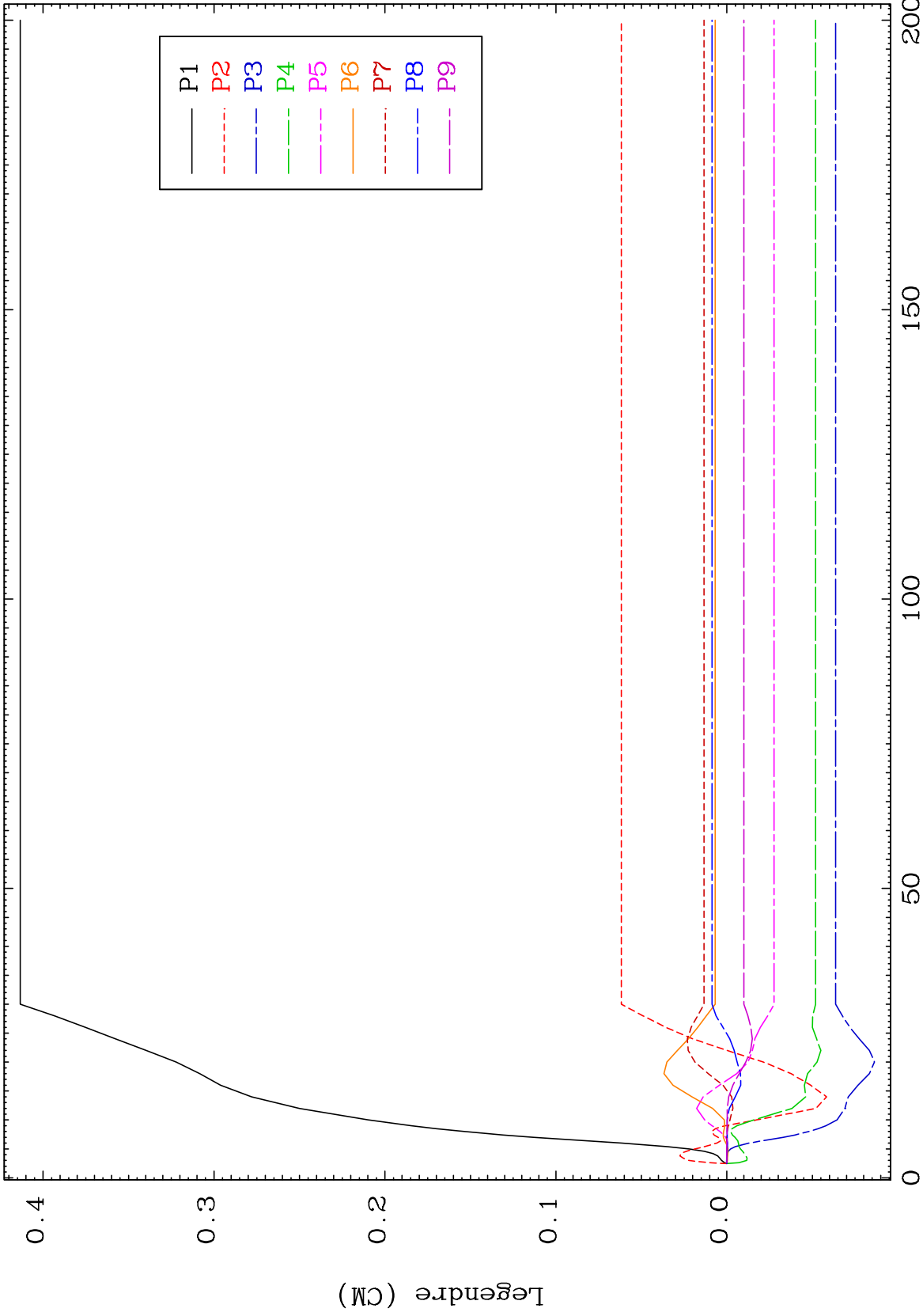
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



74

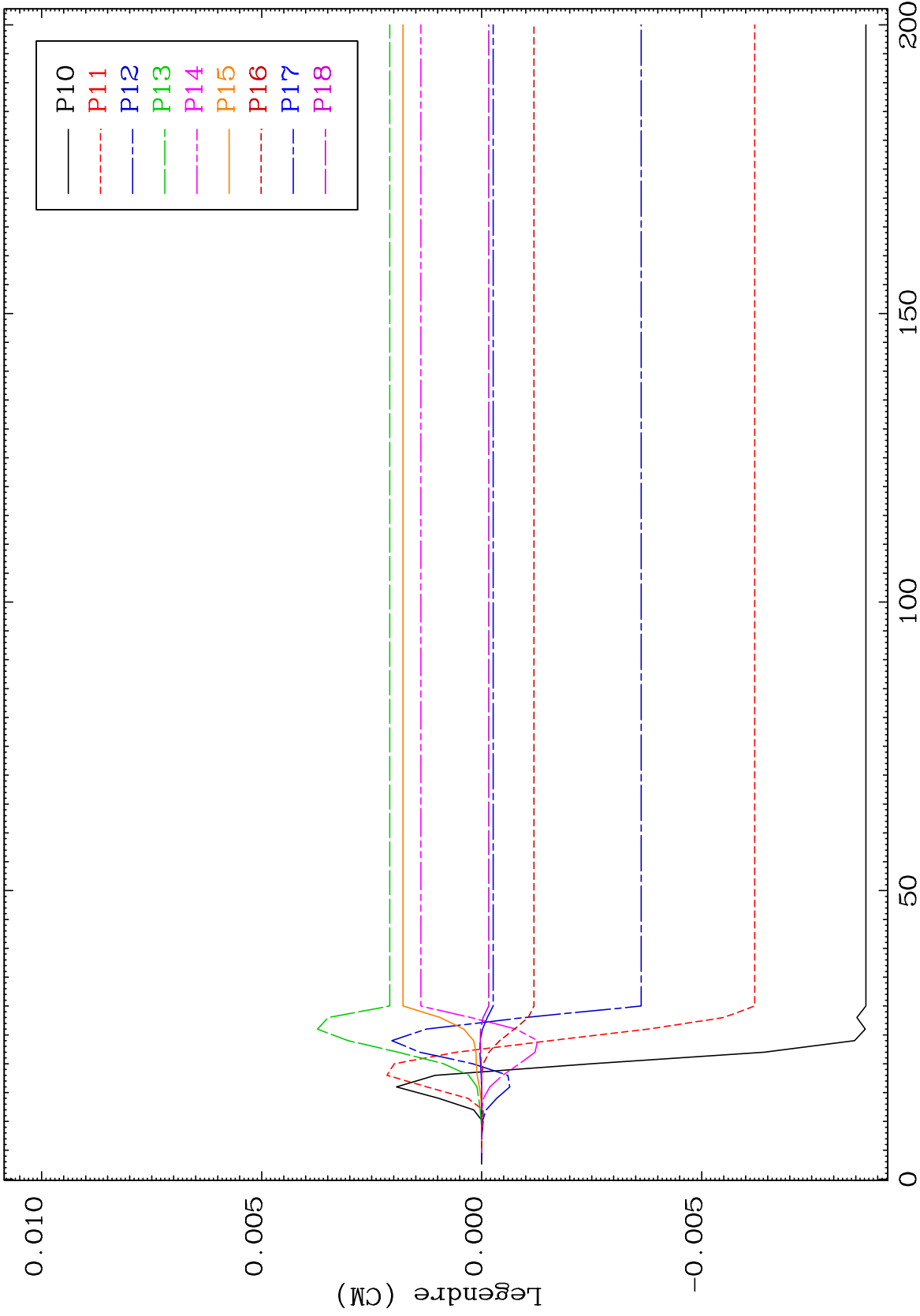
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



75

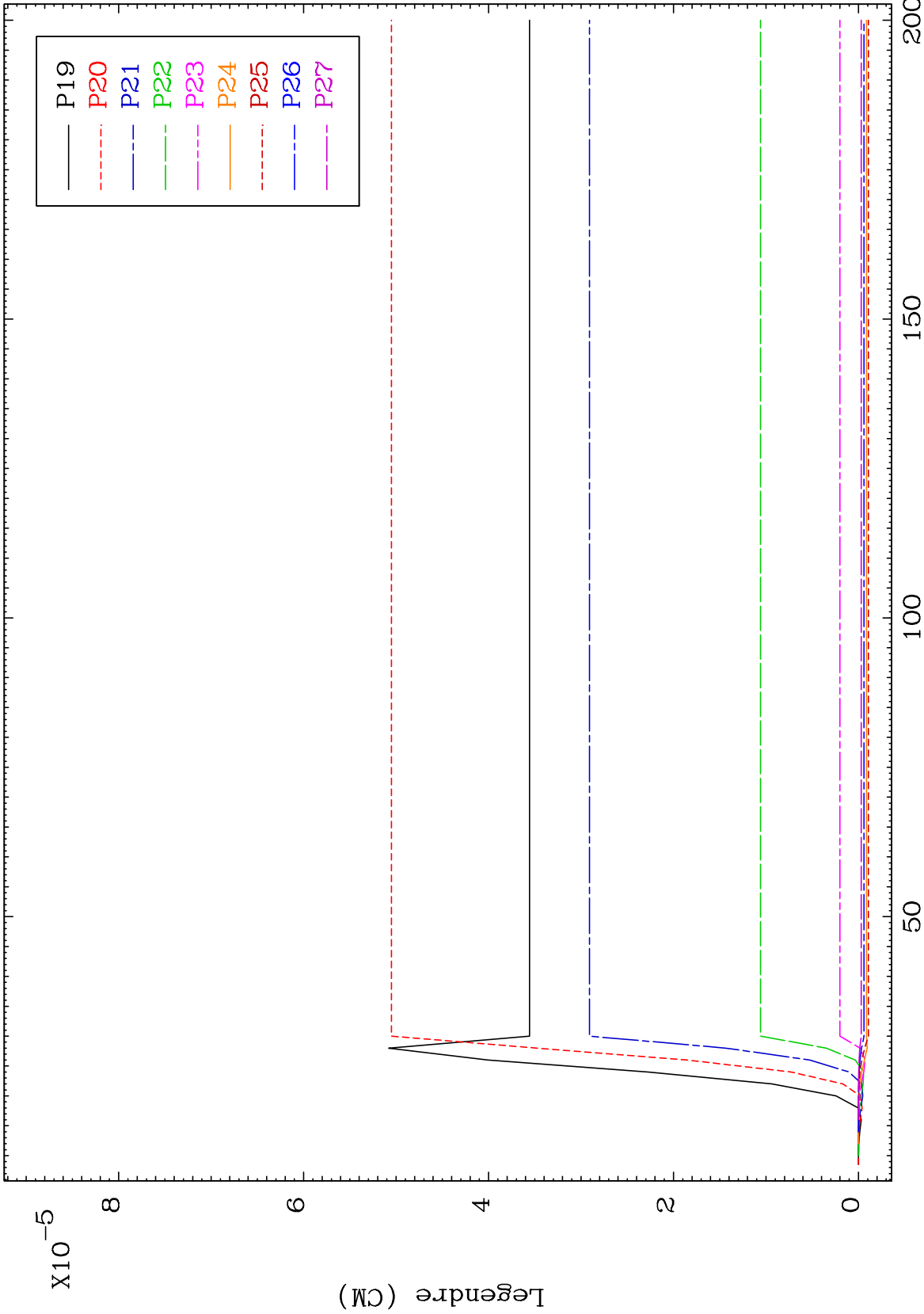
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



76

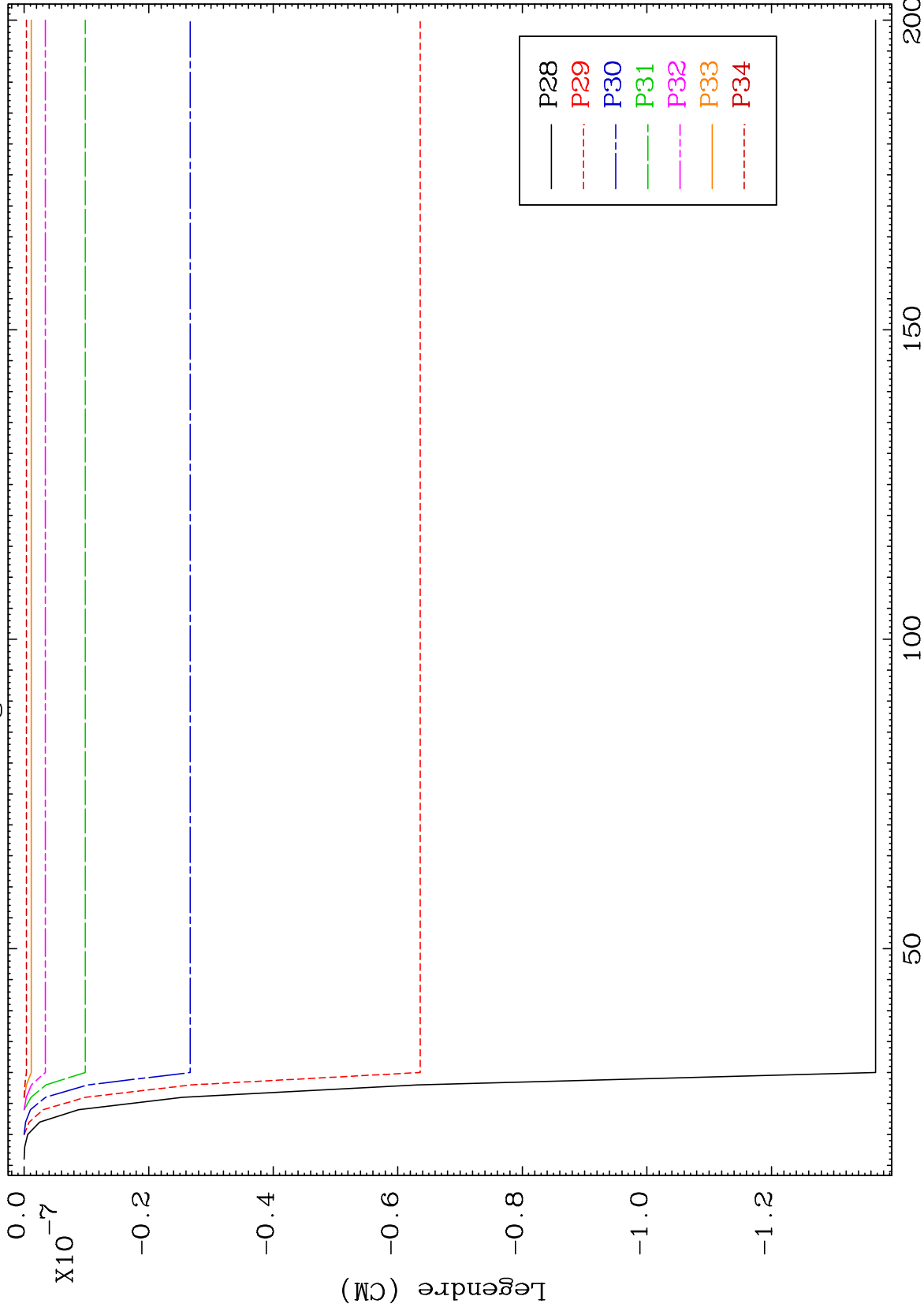
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



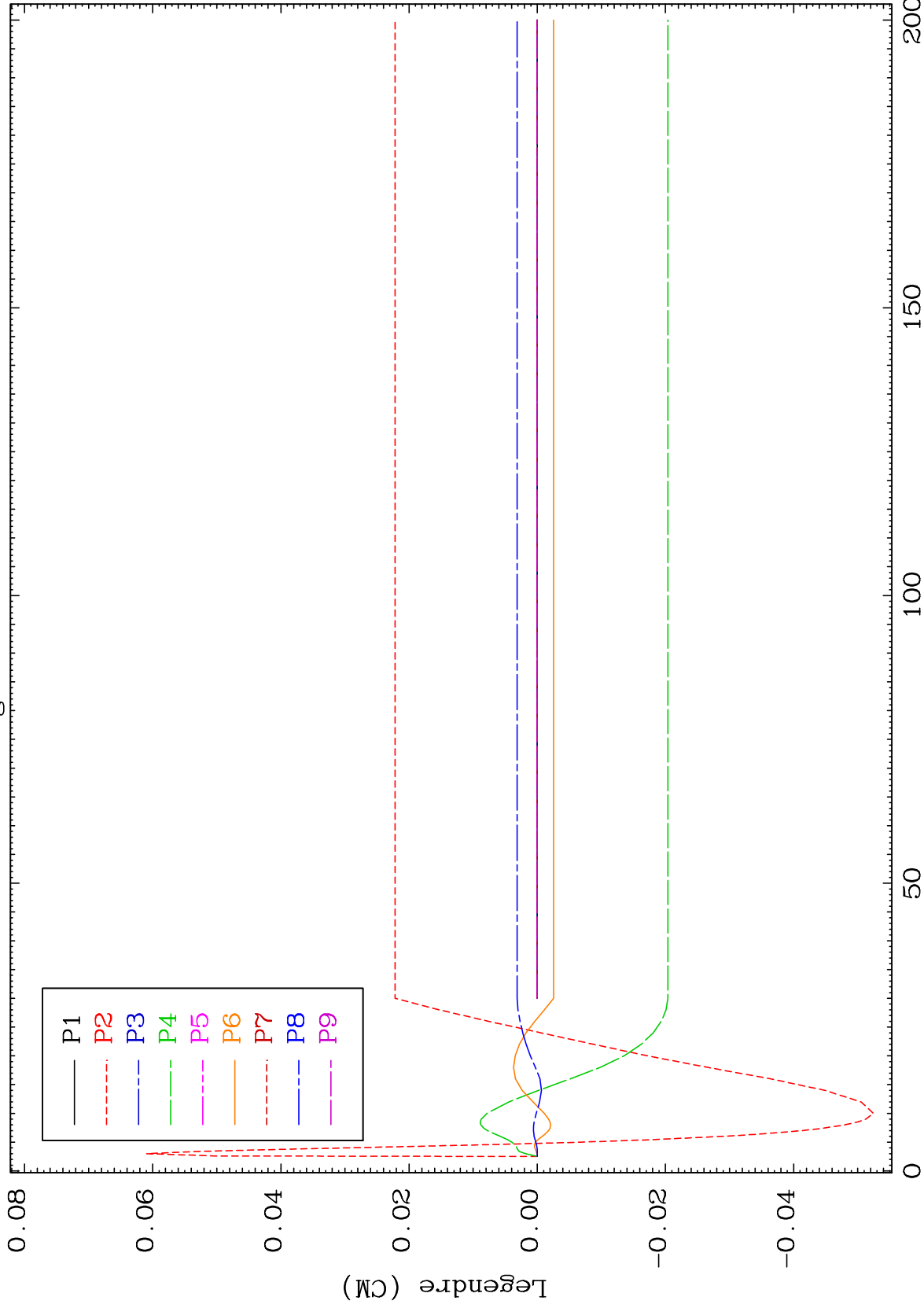
77

60-Nd-136

MAT 6007

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

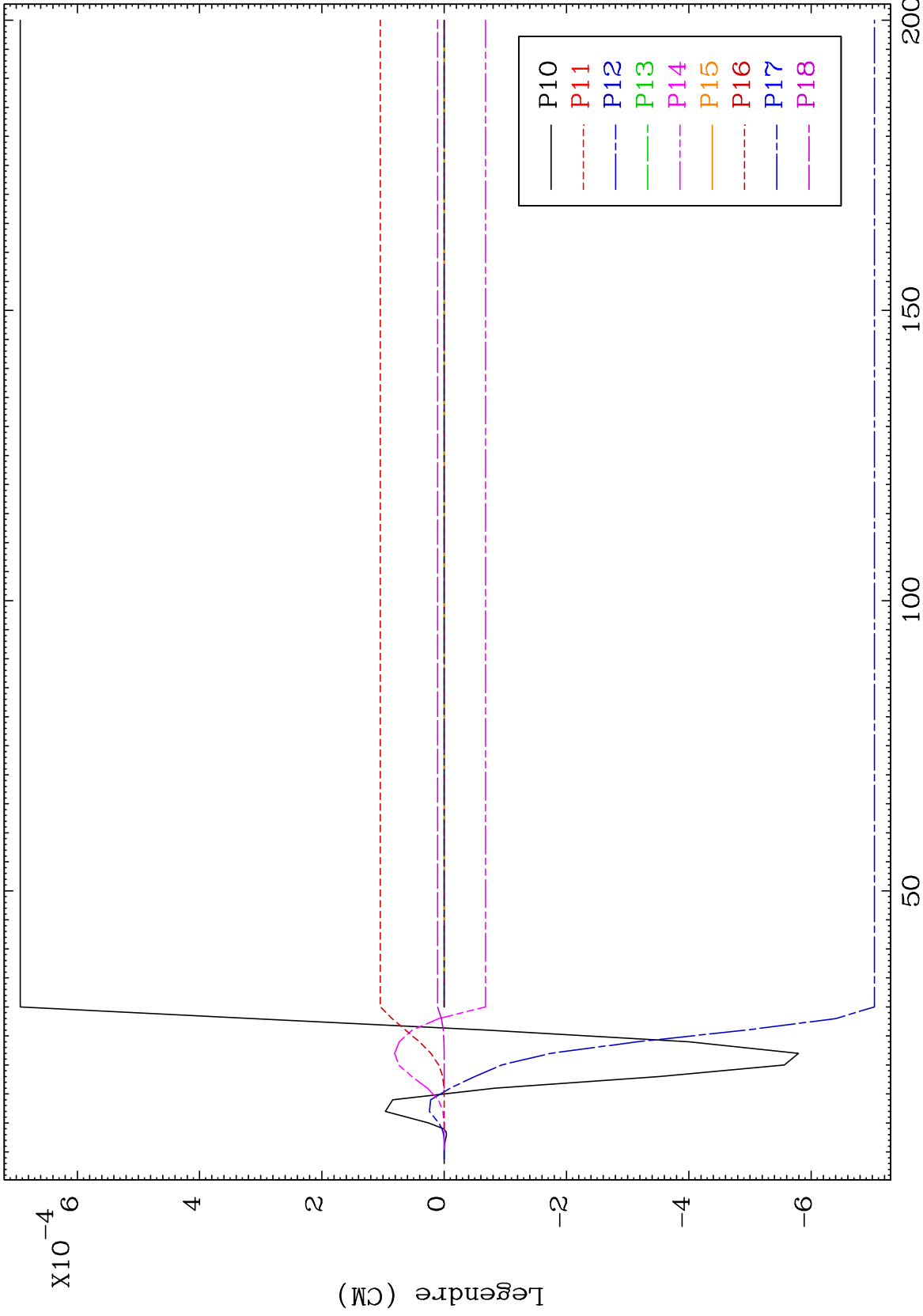
60-Nd-136



78

Incident Energy (MeV)

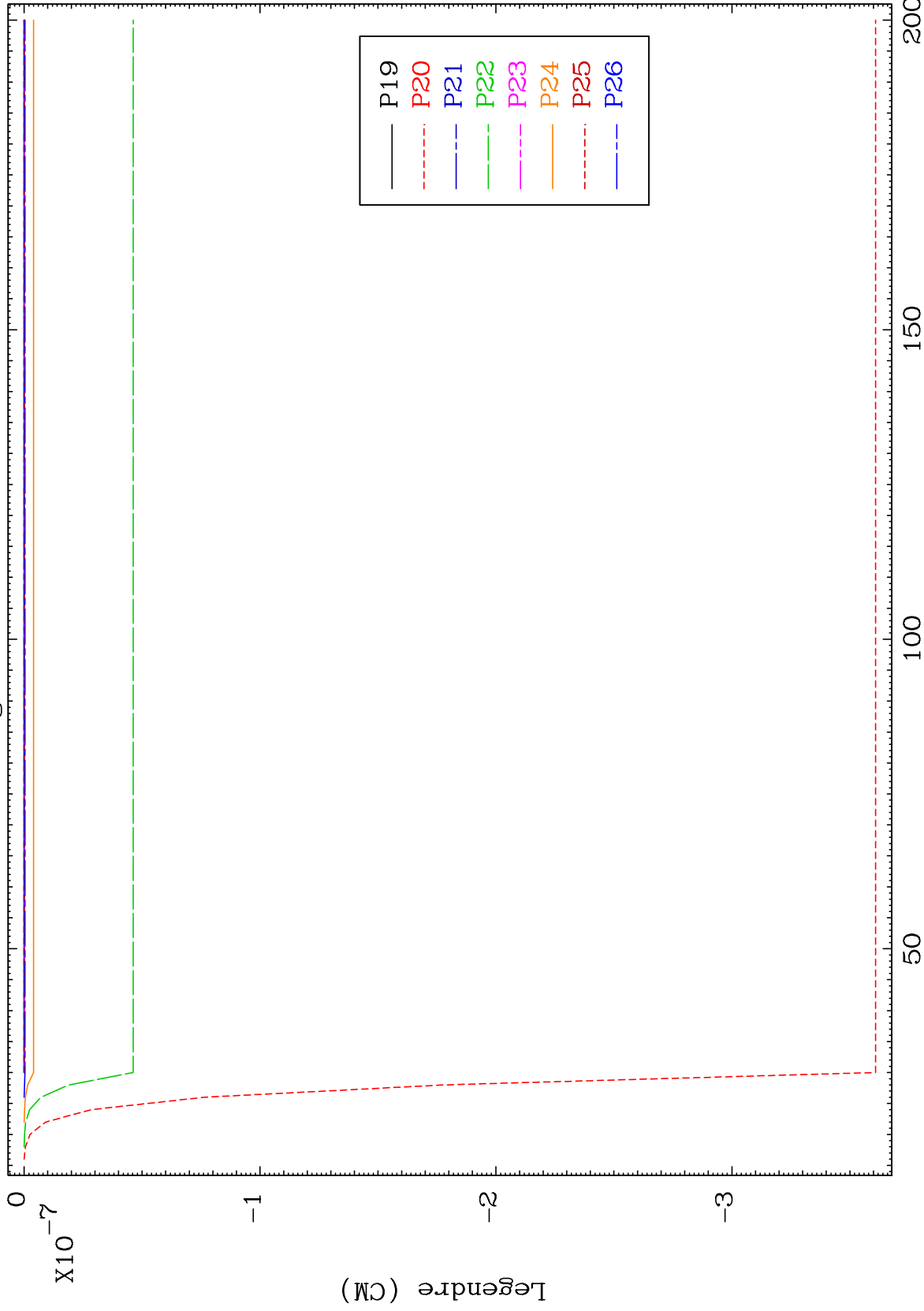
60-Nd-136



MAT 6007

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

60-Nd-136



60-Nd-136

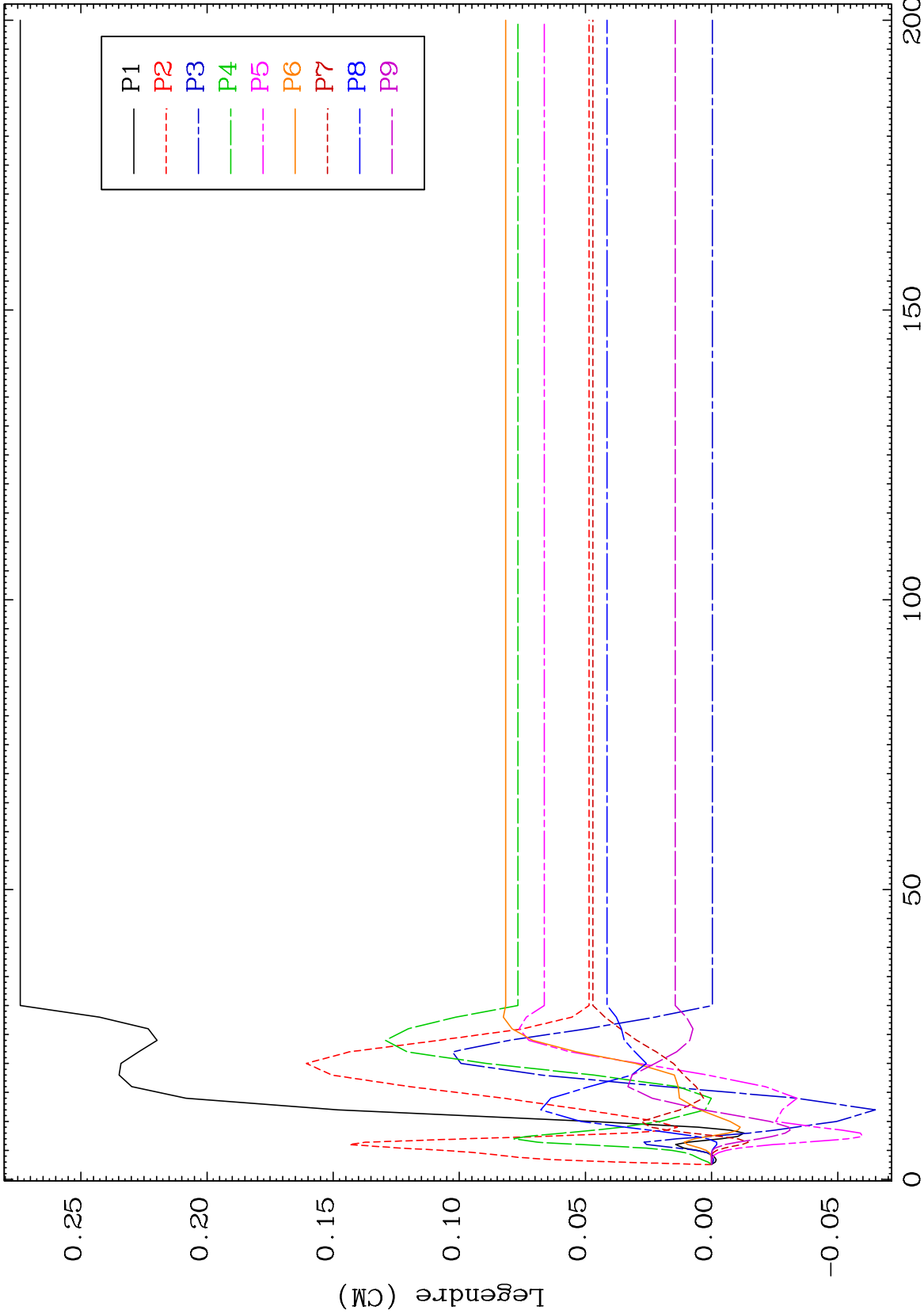
Incident Energy (MeV)

80

MAT 6007

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

60-Nd-136



81

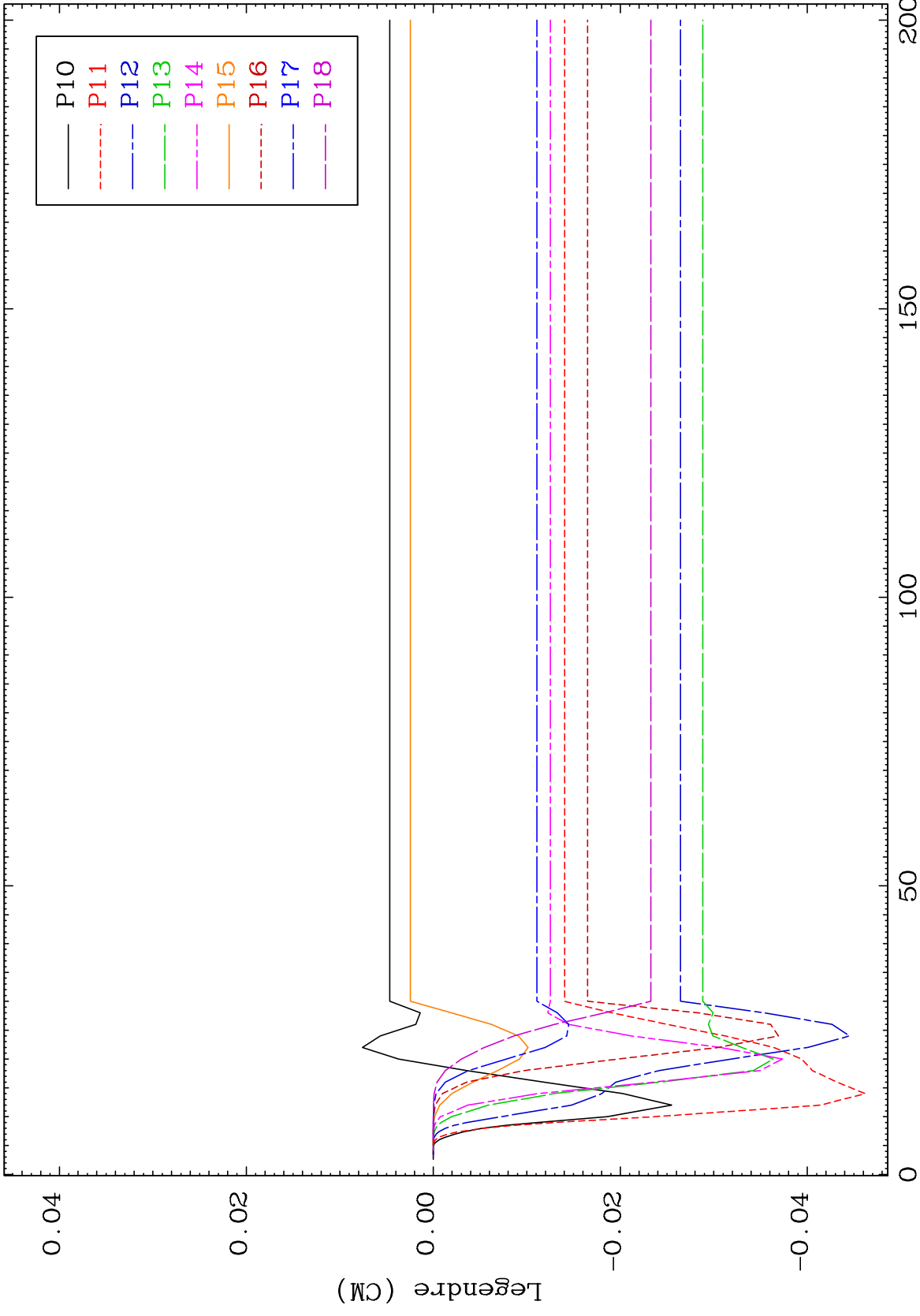
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136

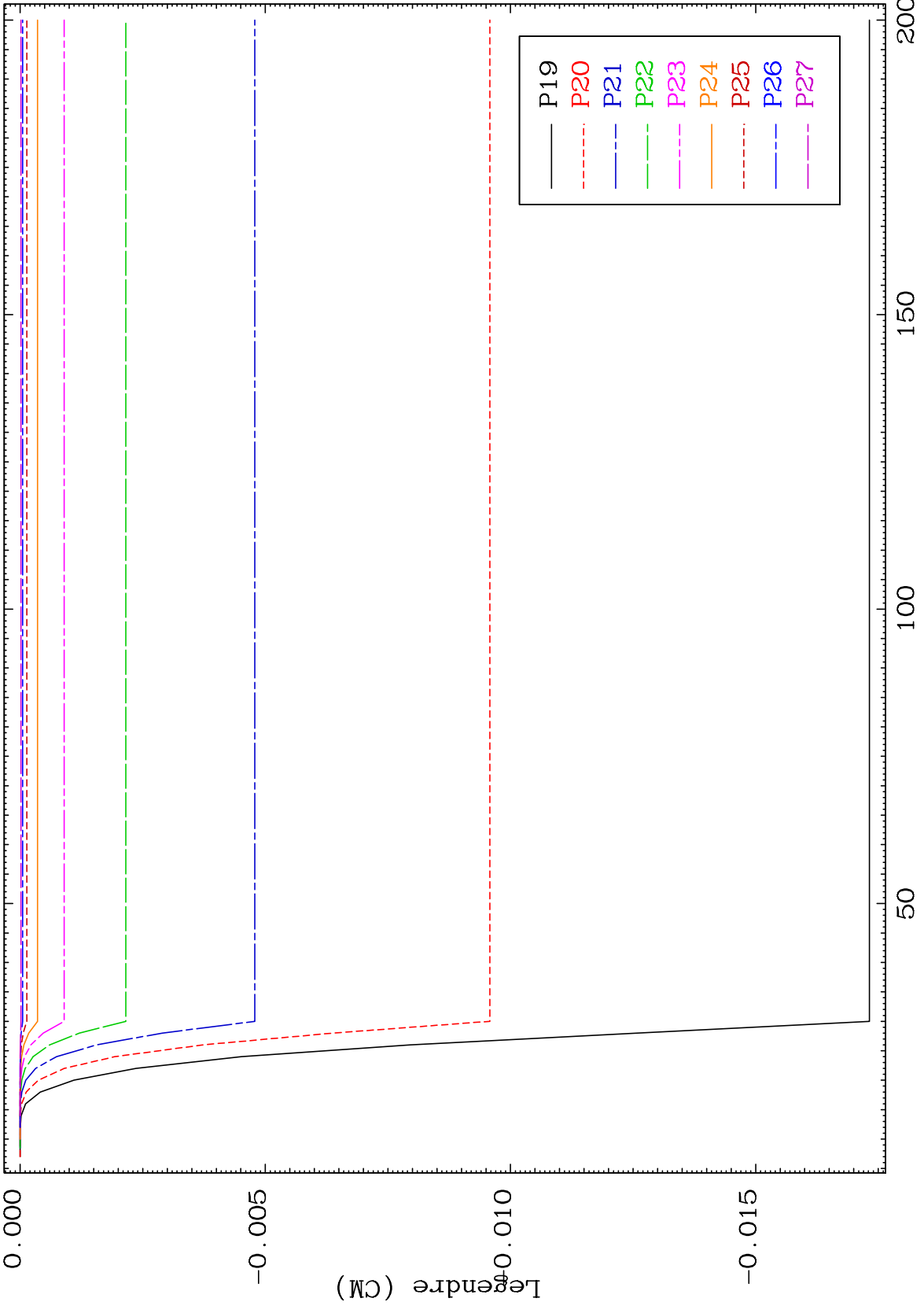


82

Incident Energy (MeV)

60-Nd-136

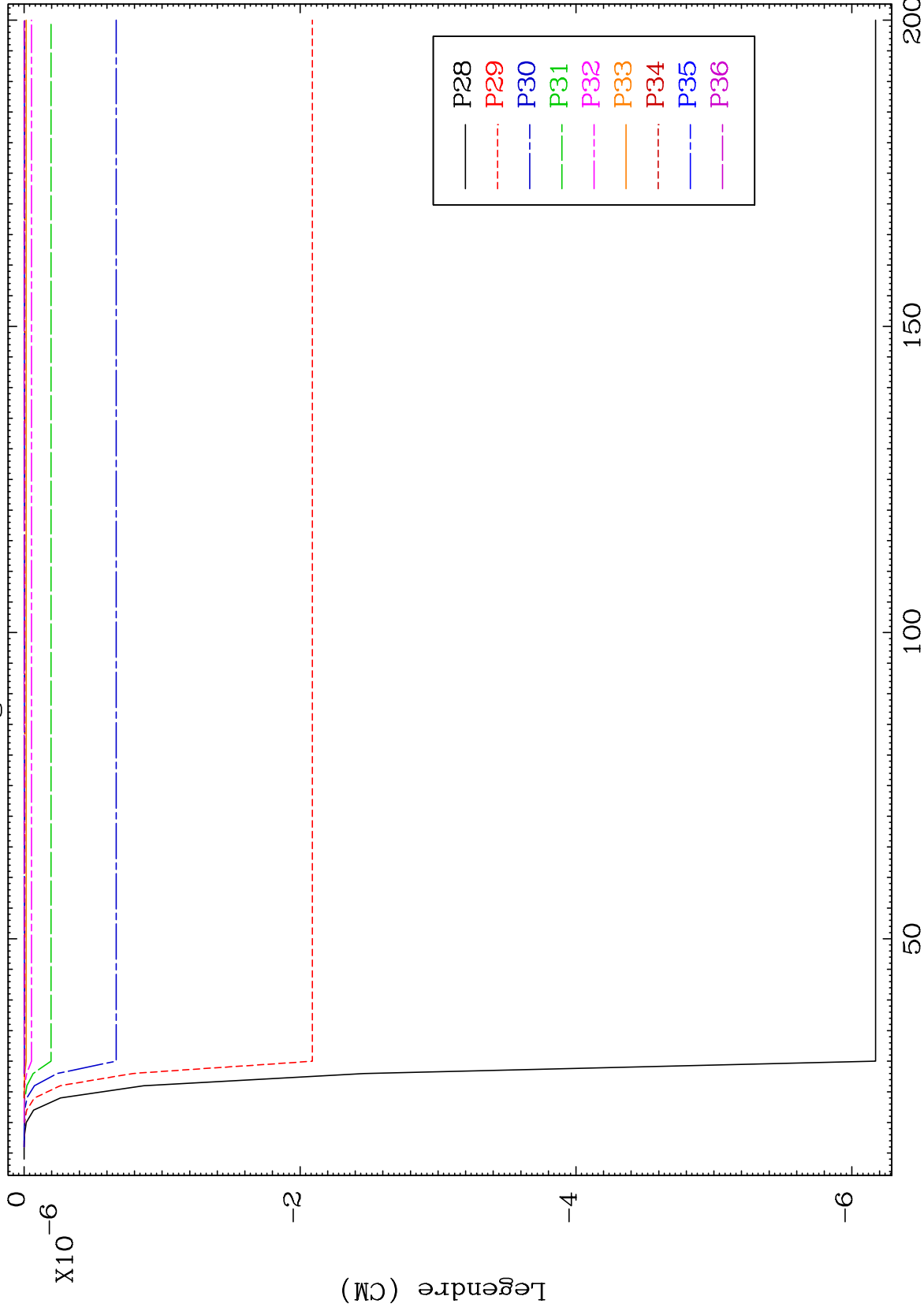
MAT 6007 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-136



MAT 6007

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

60-Nd-136



84

Incident Energy (MeV)

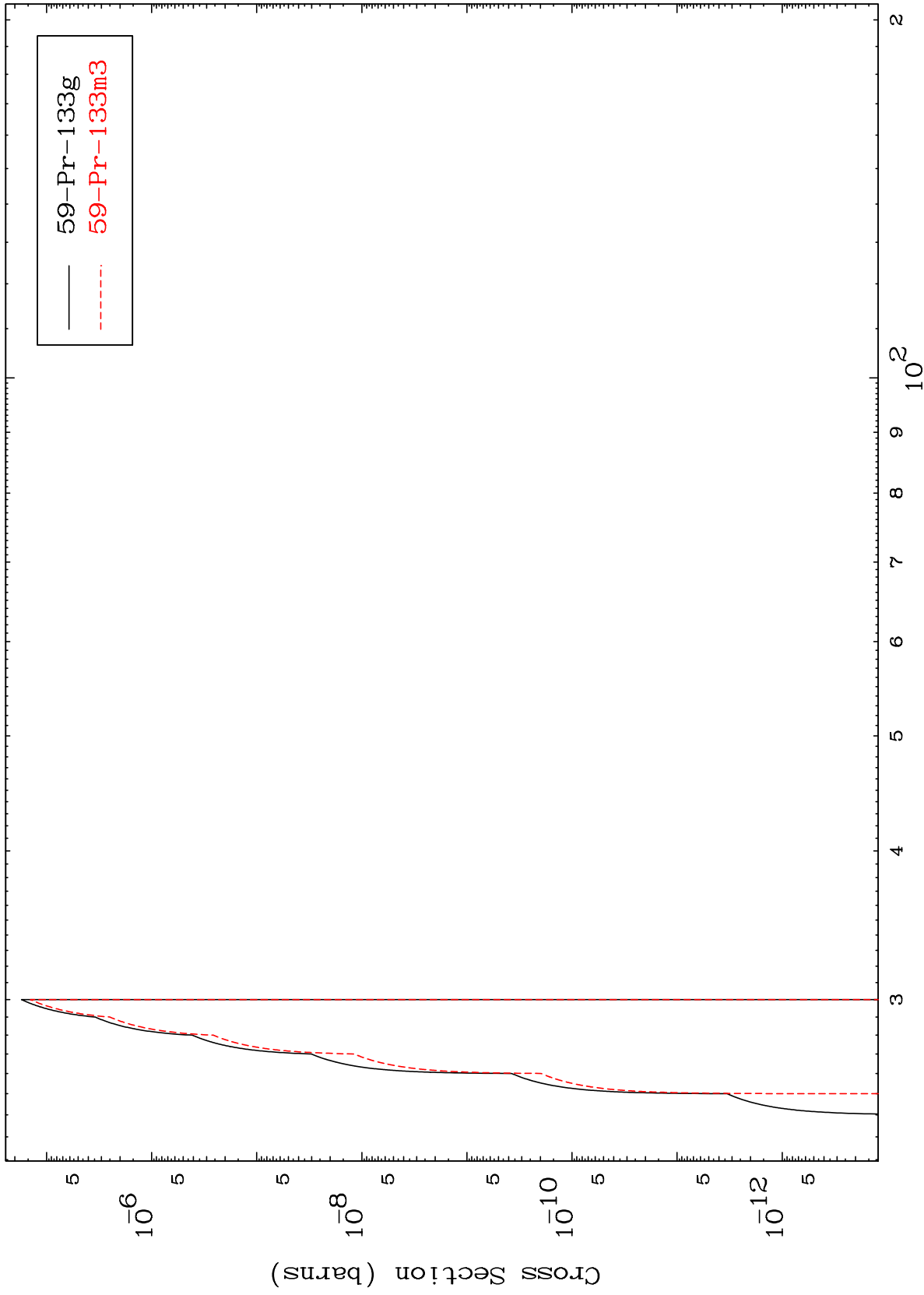
60-Nd-136

MAT 6007

(n,2n) d

60-Nd-136

Radionuclide Production Cross Section



85

Incident Energy (MeV)

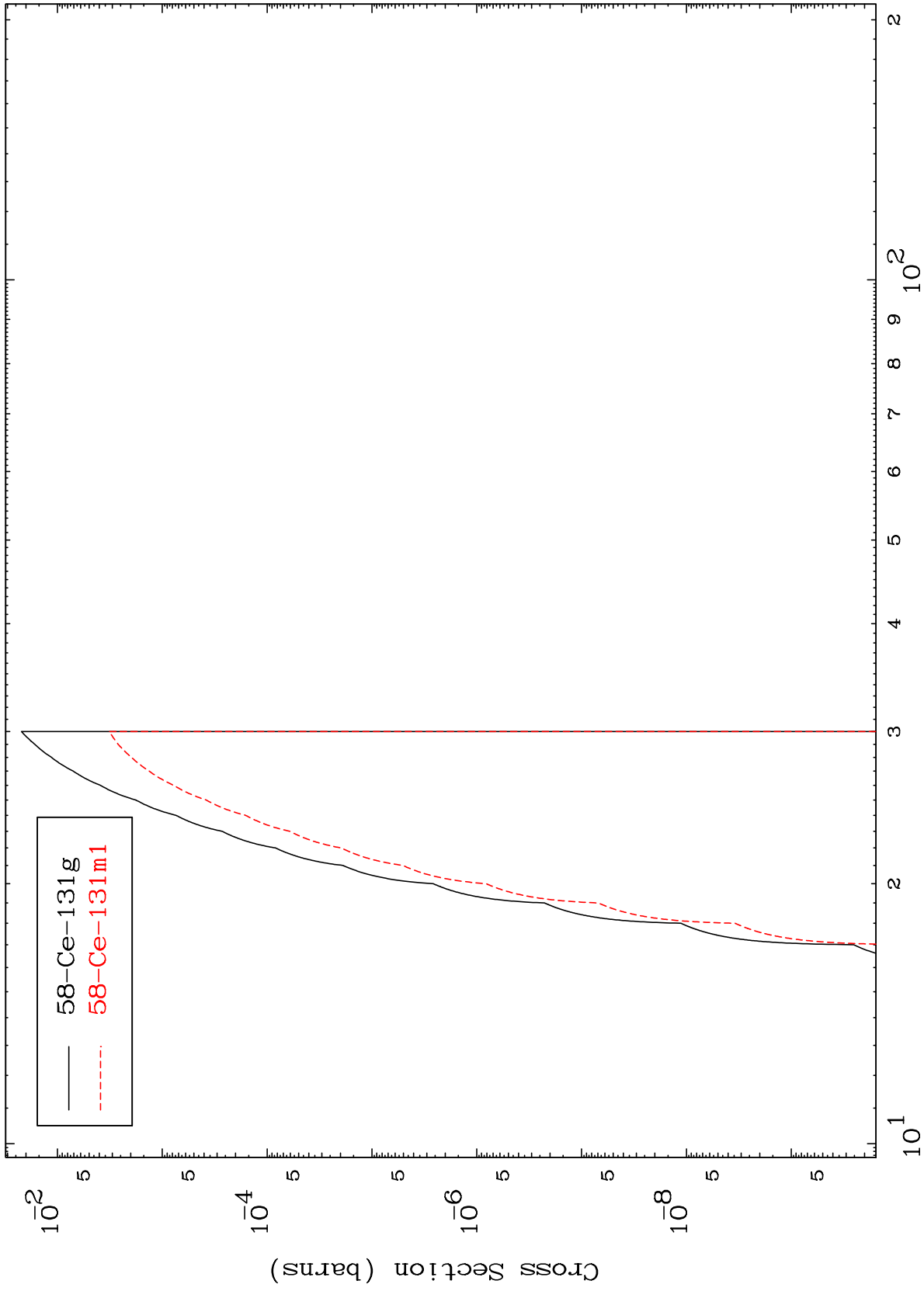
60-Nd-136

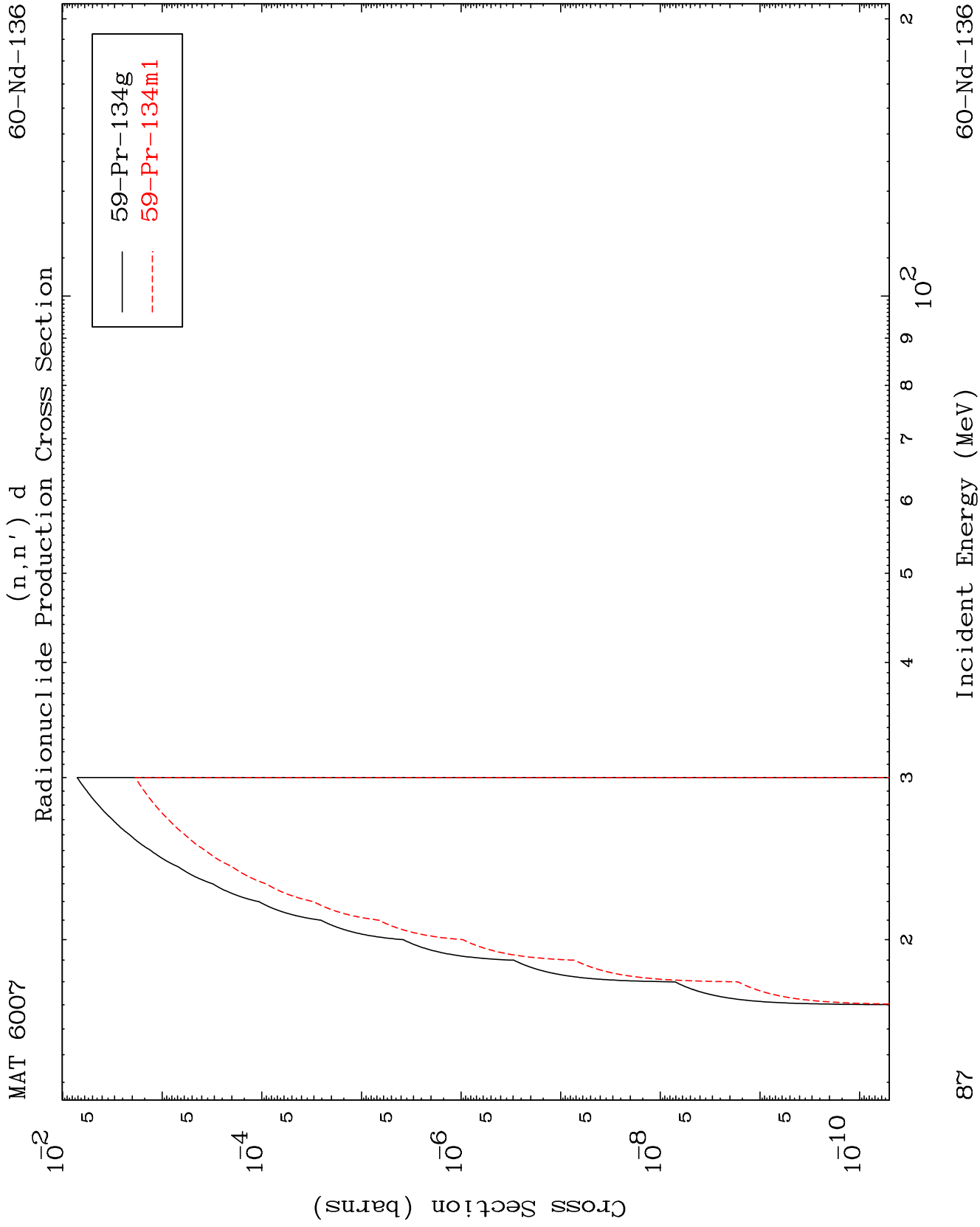
MAT 6007

(n,2n) α

60-Nd-136

Radionuclide Production Cross Section



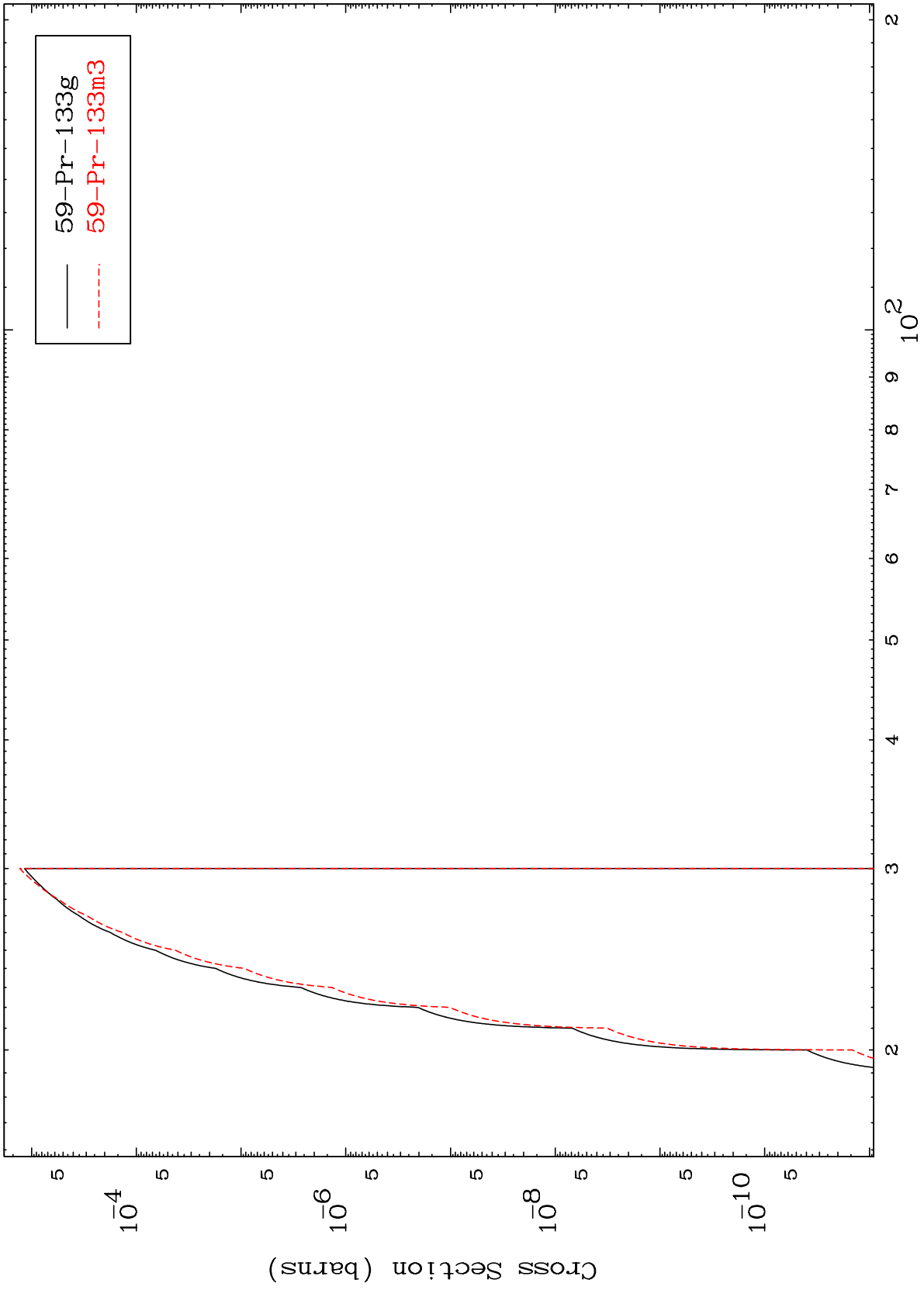


MAT 6007

(n,n') t

60-Nd-136

Radionuclide Production Cross Section



88

Incident Energy (MeV)

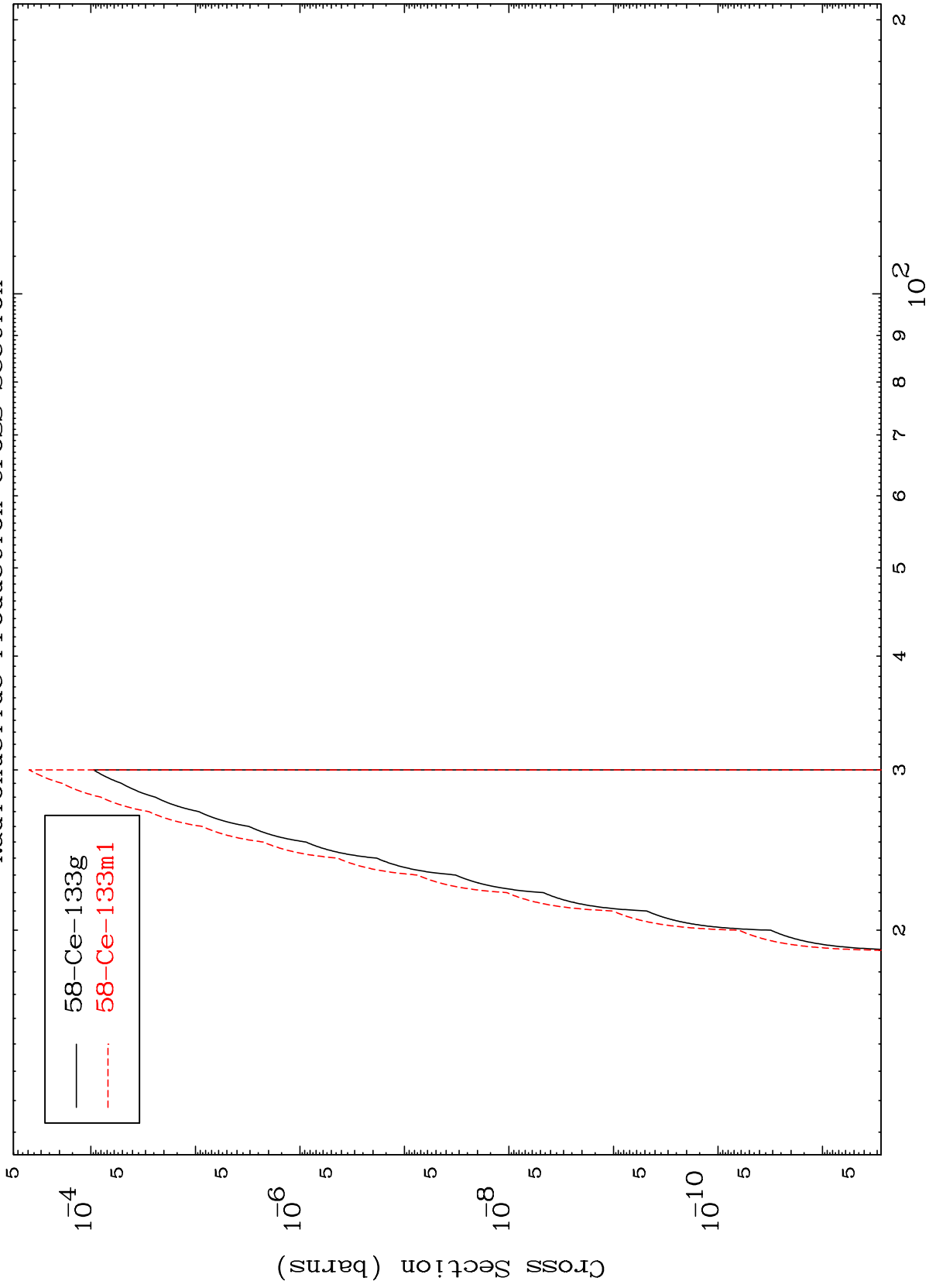
60-Nd-136

MAT 6007

(n, n') He-3

60-Nd-136

Radionuclide Production Cross Section



89

Incident Energy (MeV)

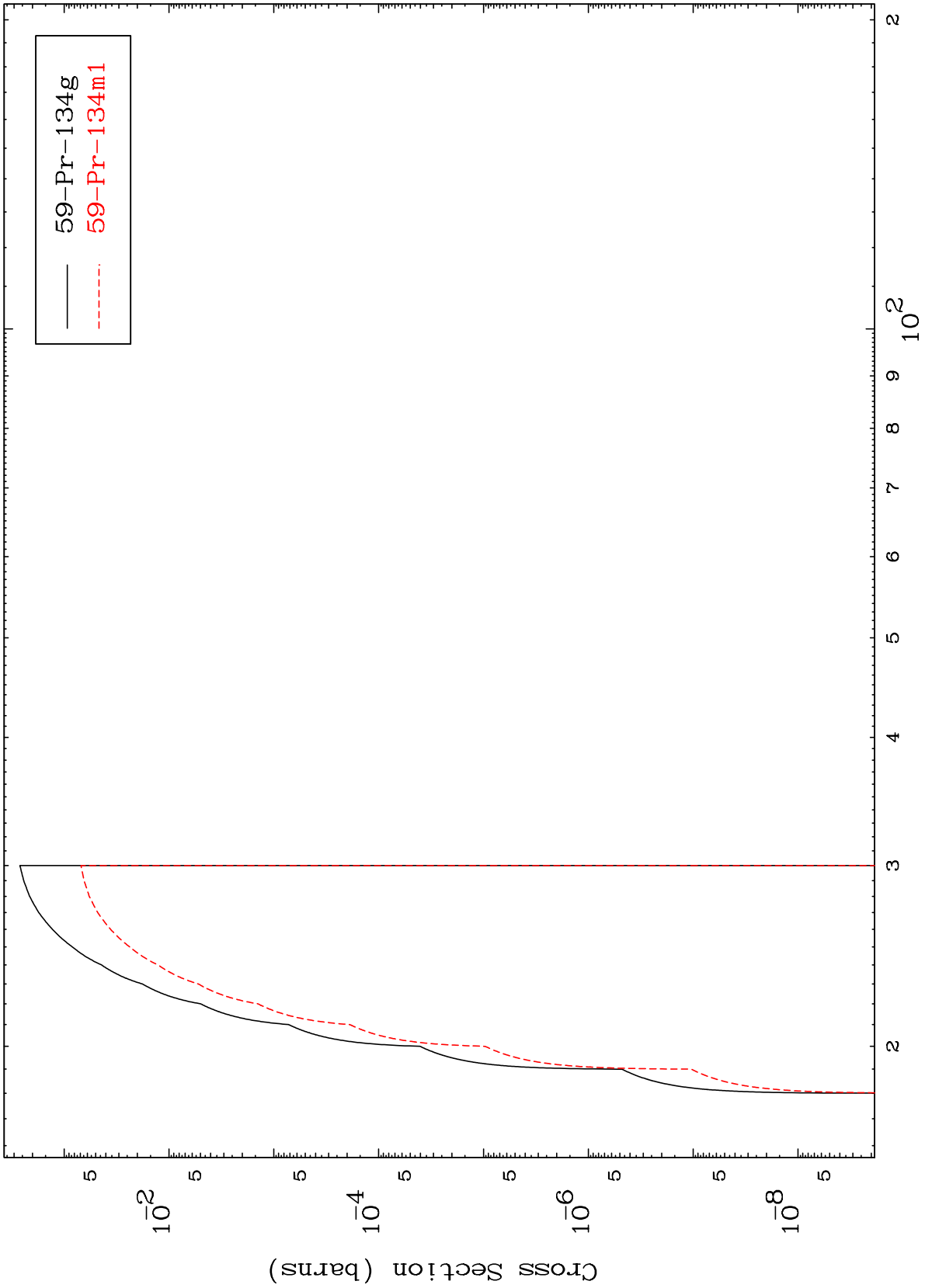
60-Nd-136

MAT 6007

(n,2n) p

60-Nd-136

Radionuclide Production Cross Section



90

Incident Energy (MeV)

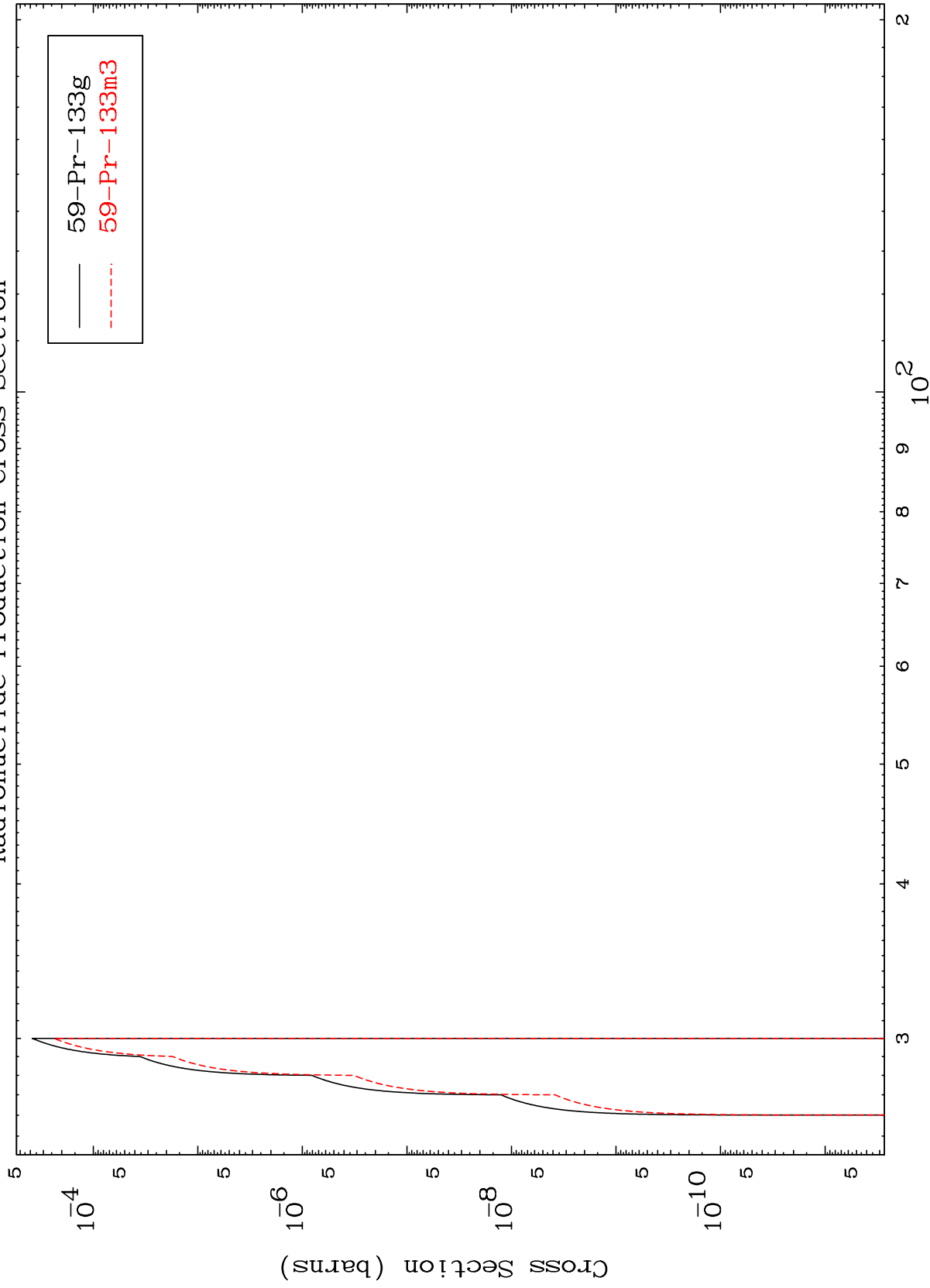
60-Nd-136

MAT 6007

(n,3n) p

60-Nd-136

Radionuclide Production Cross Section



91

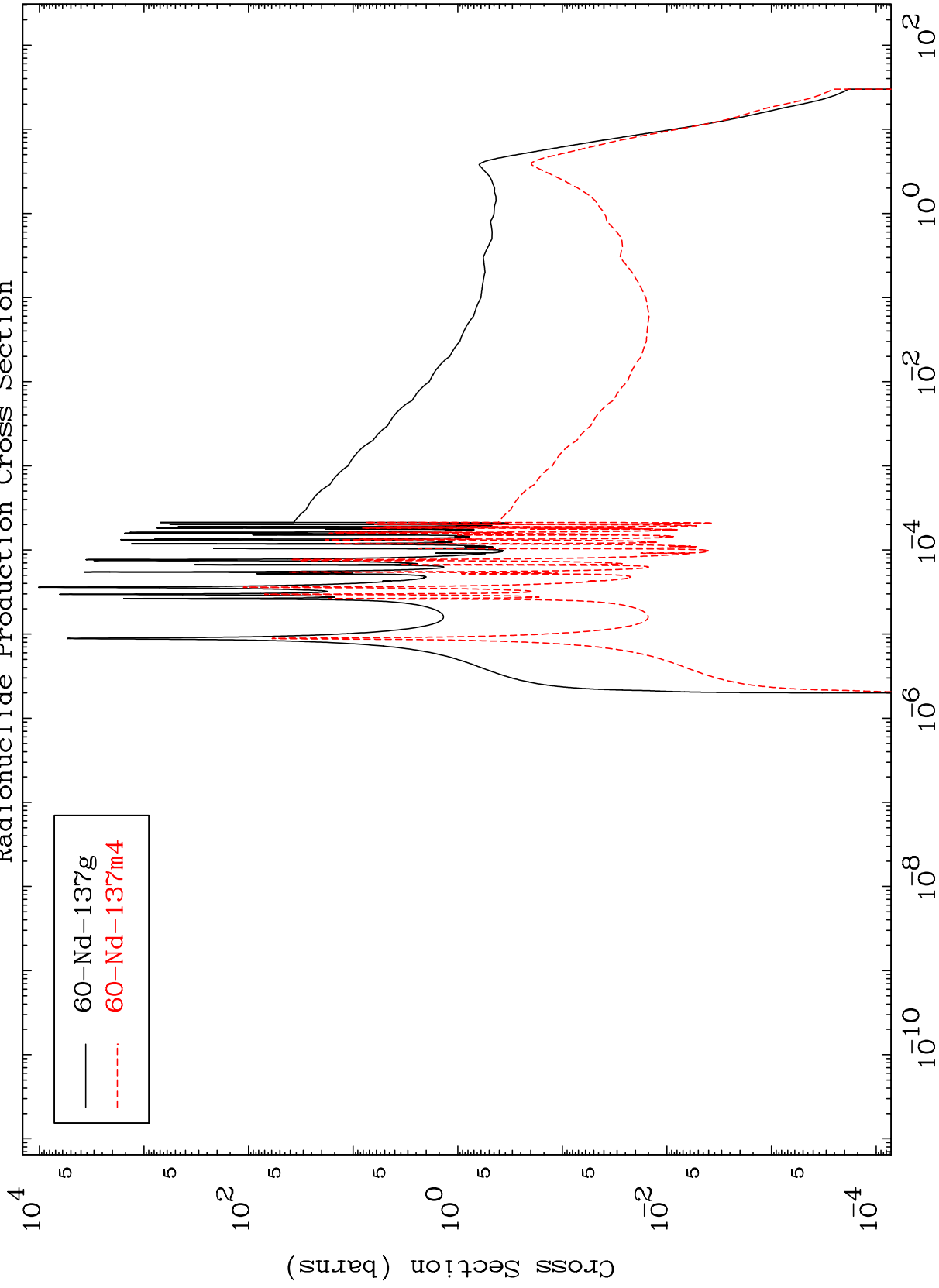
Incident Energy (MeV)

60-Nd-136

MAT 6007

60-Nd-136

Radionuclide Production Cross Section



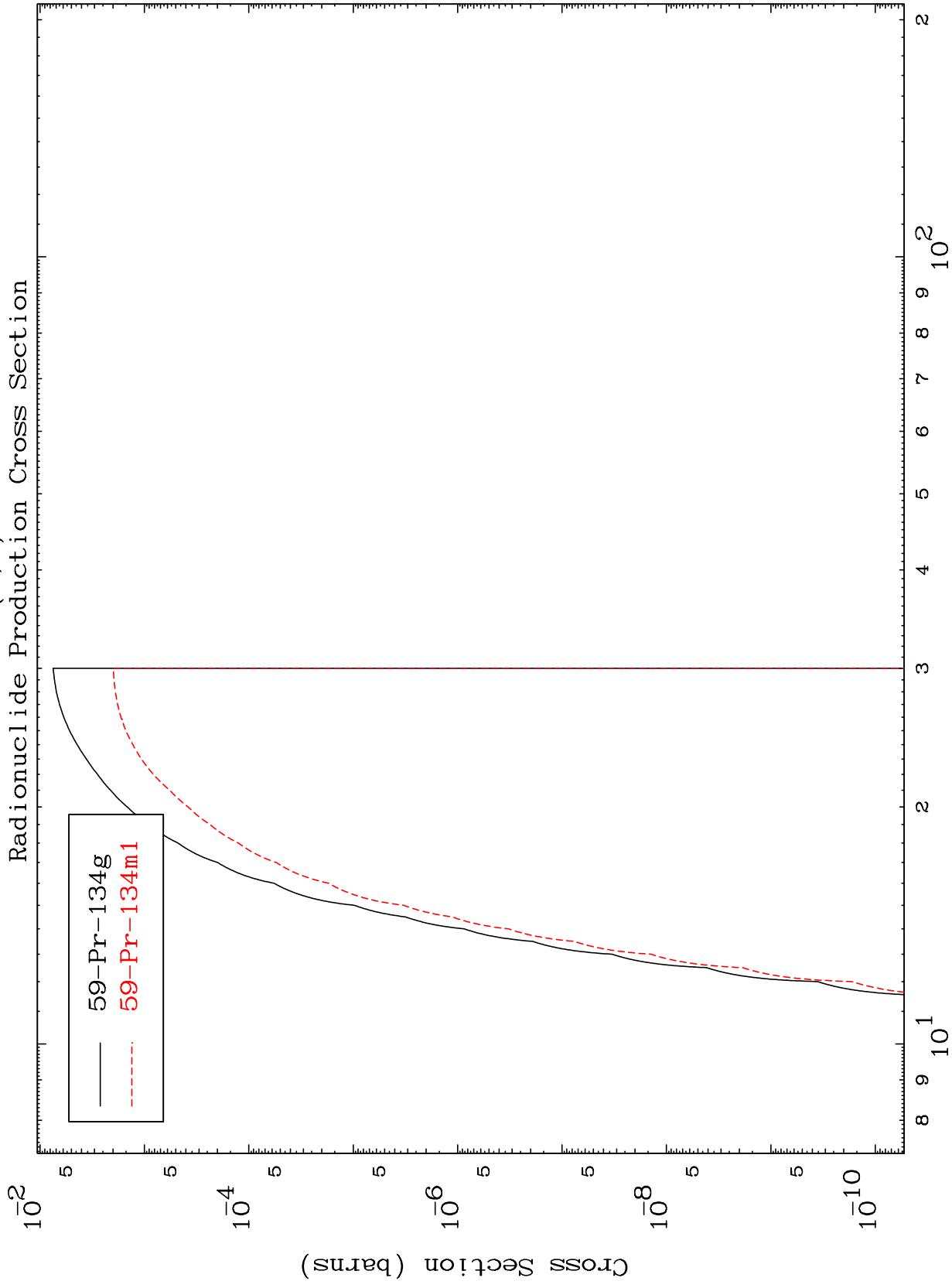
92

60-Nd-136

MAT 6007

(n, t)

60-Nd-136

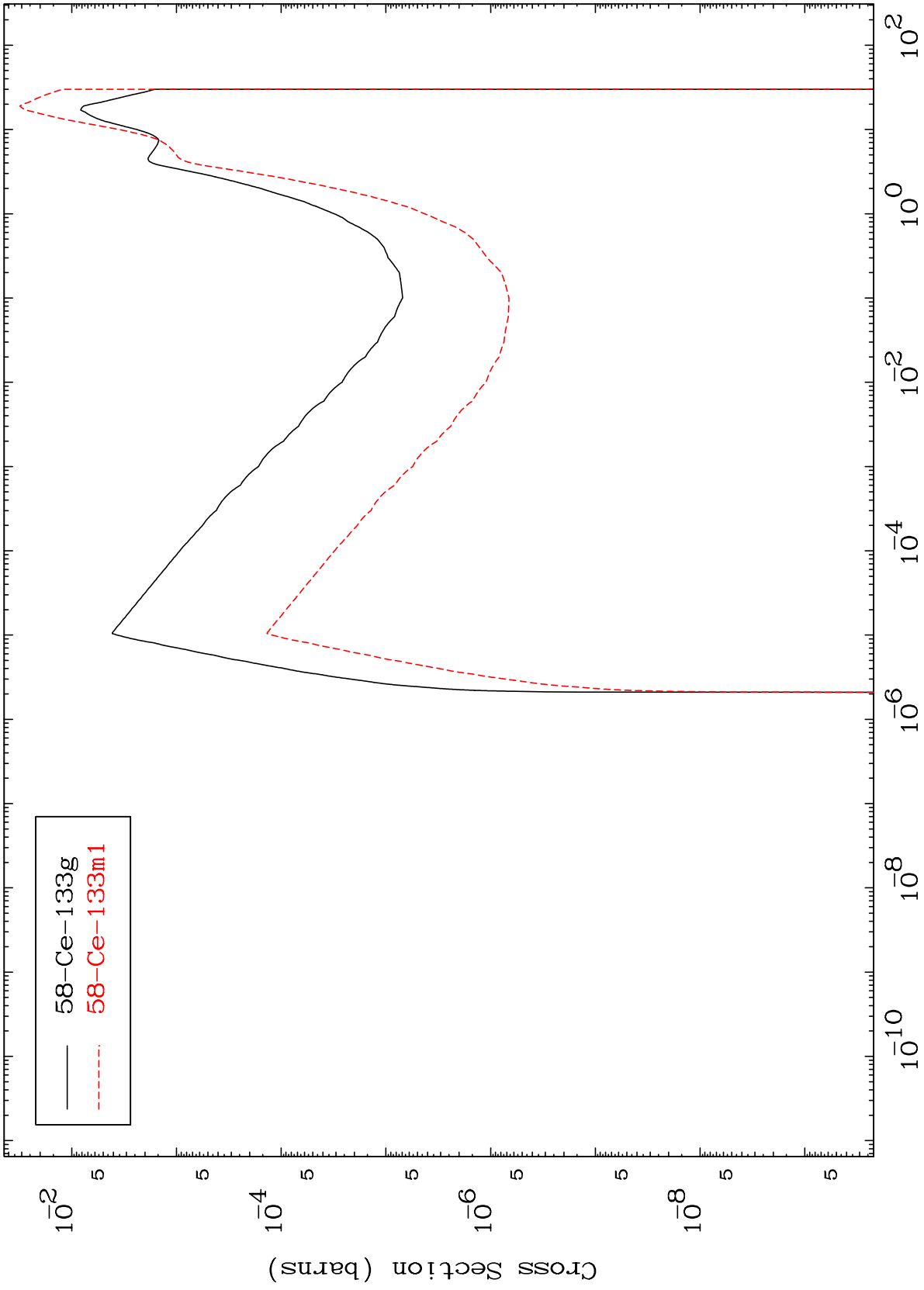


93

MAT 6007

(n, α)
Radionuclide Production Cross Section

$^{60}\text{Nd-136}$



94

Incident Energy (MeV)

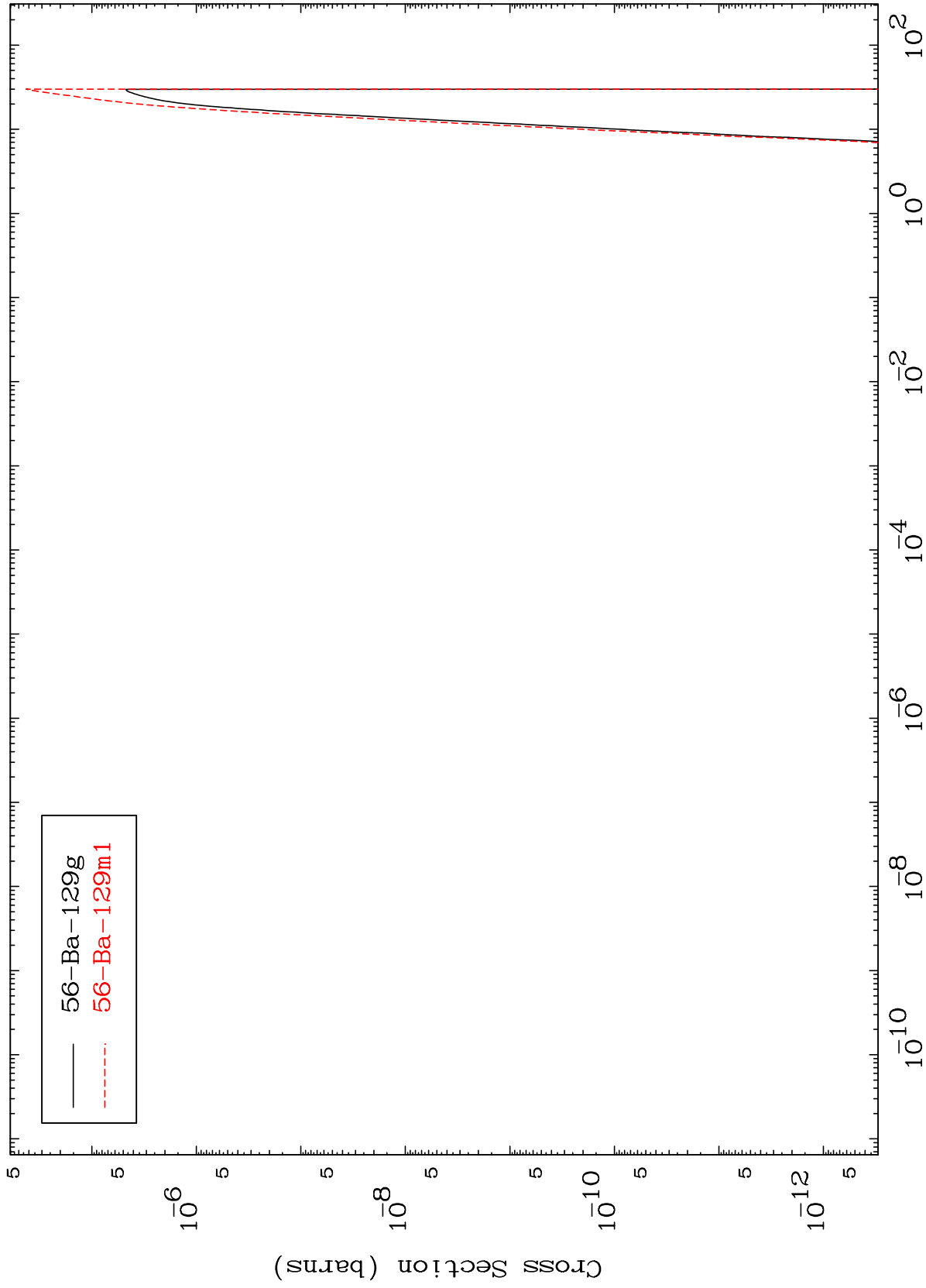
$^{60}\text{Nd-136}$

MAT 6007

(n,2α)

60-Nd-136

Radionuclide Production Cross Section



95

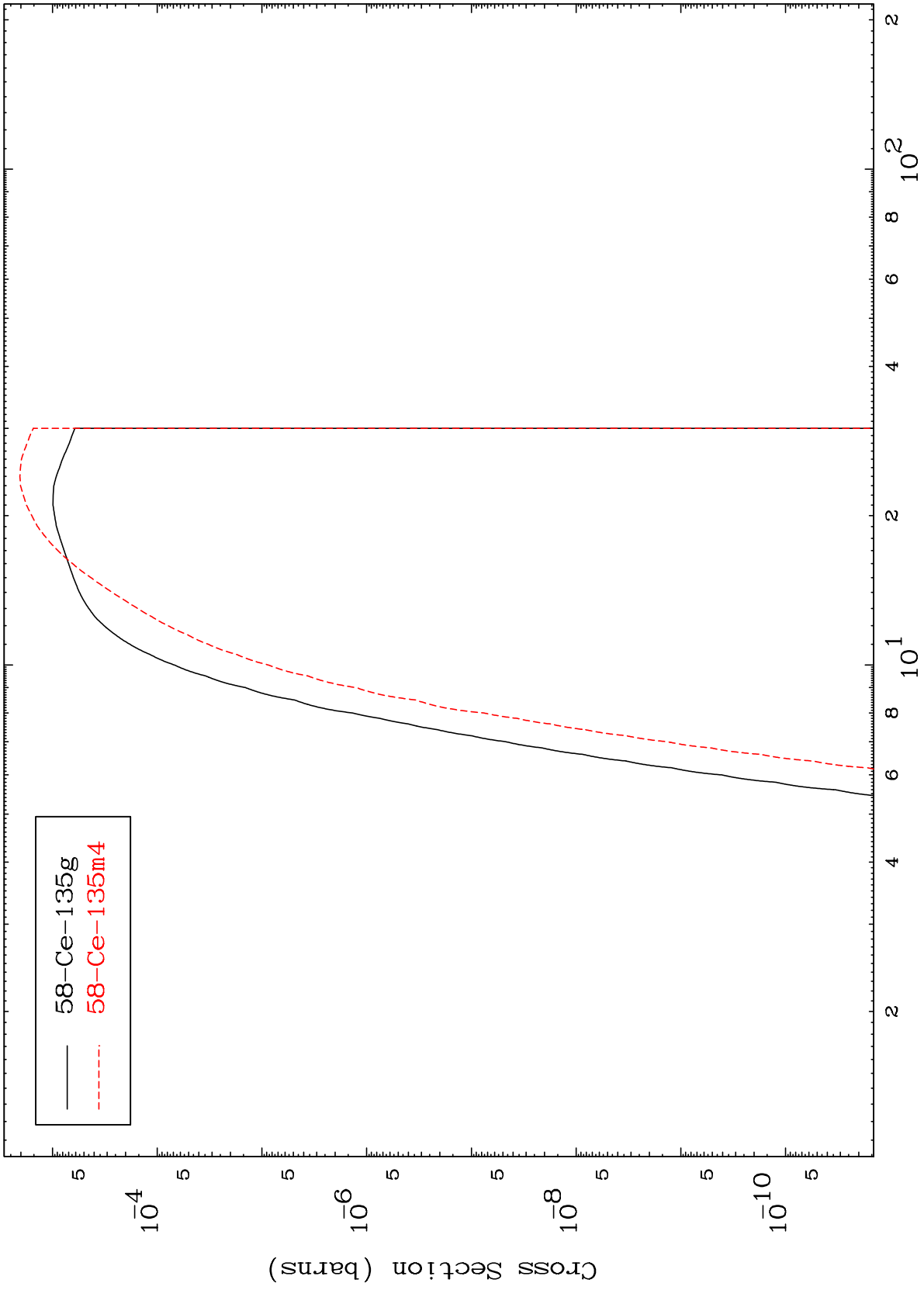
Incident Energy (MeV)

60-Nd-136

MAT 6007

60-Nd-136

(n,2p)
Radionuclide Production Cross Section



96

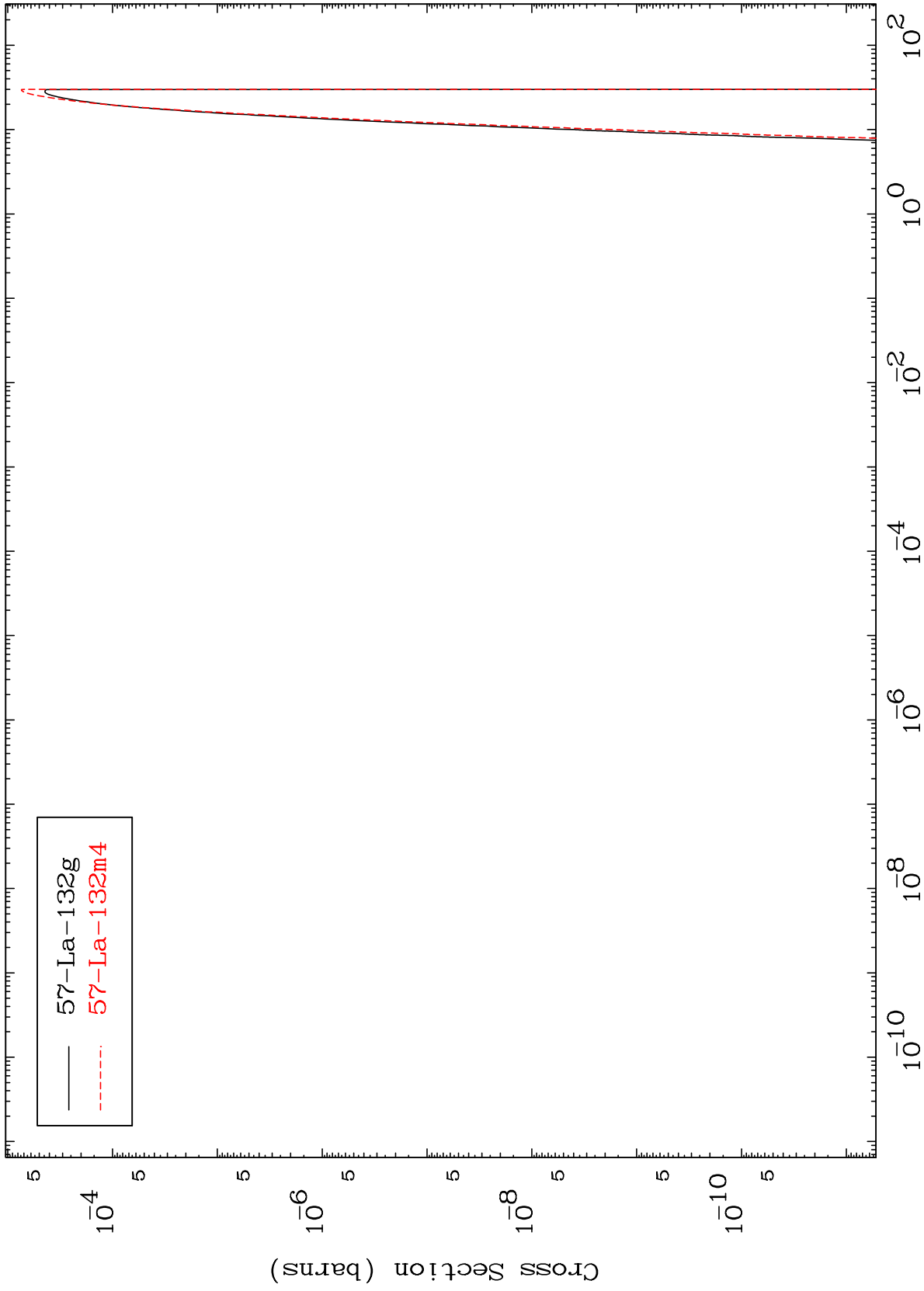
60-Nd-136

MAT 6007

(n,p) α

60-Nd-136

Radionuclide Production Cross Section



97

Incident Energy (MeV)

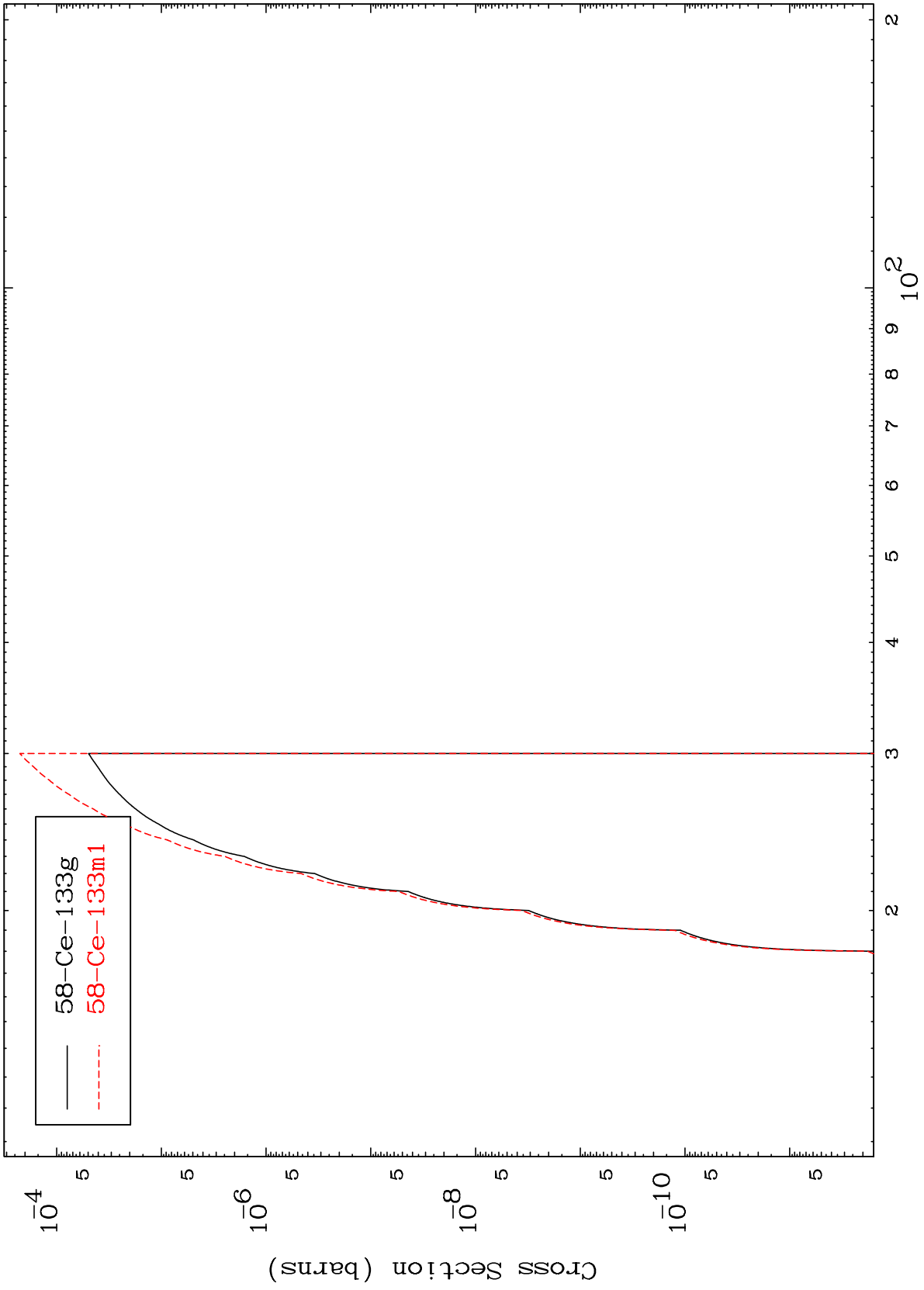
60-Nd-136

MAT 6007

(n,p) t

60-Nd-136

Radionuclide Production Cross Section



98

60-Nd-136

60-Nd-136