

Program EVALPLOT
(Version 2021-1)

by

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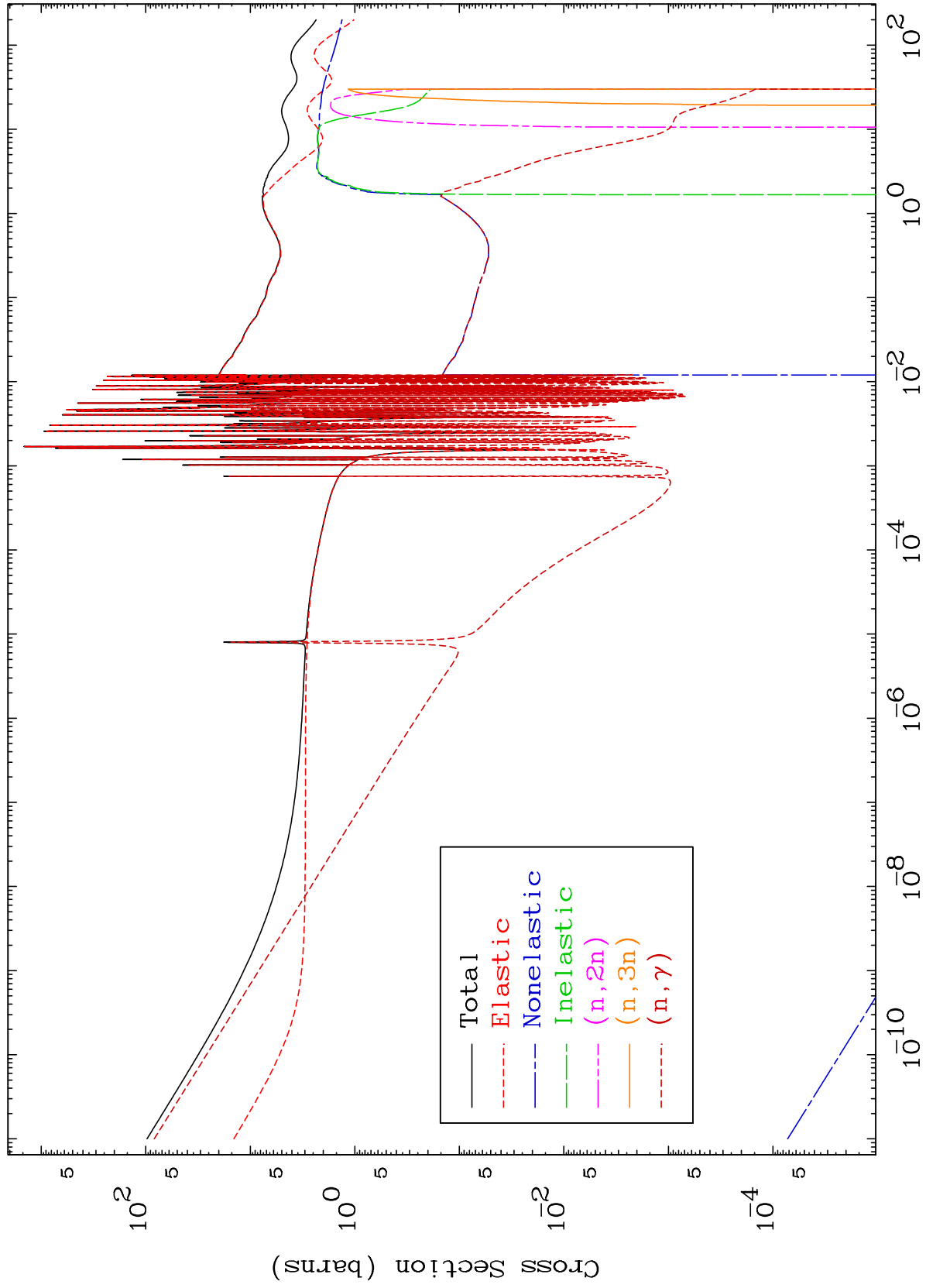
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6225

Neutron Major
293 Kelvin Cross Sections

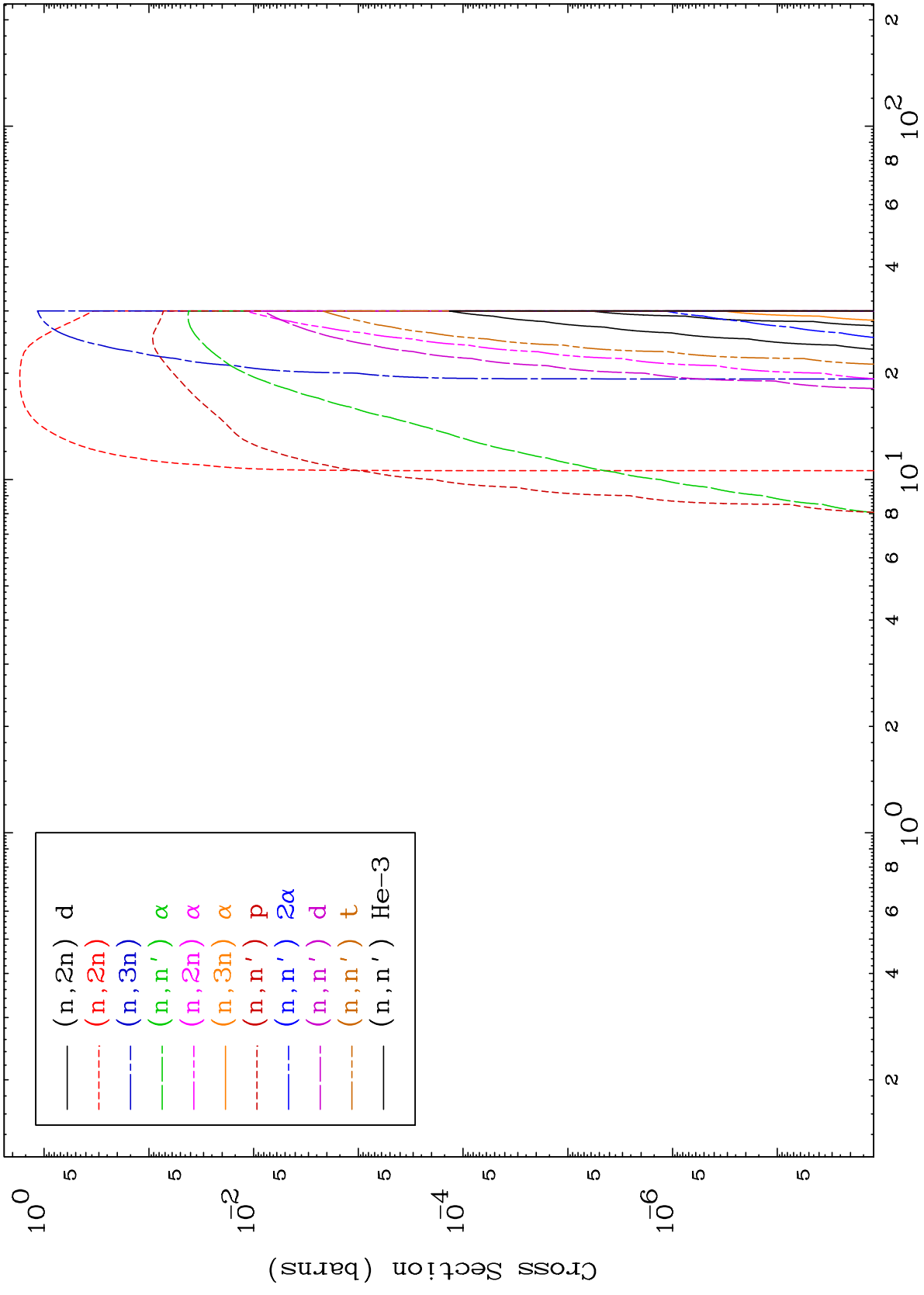
62-Sm-144

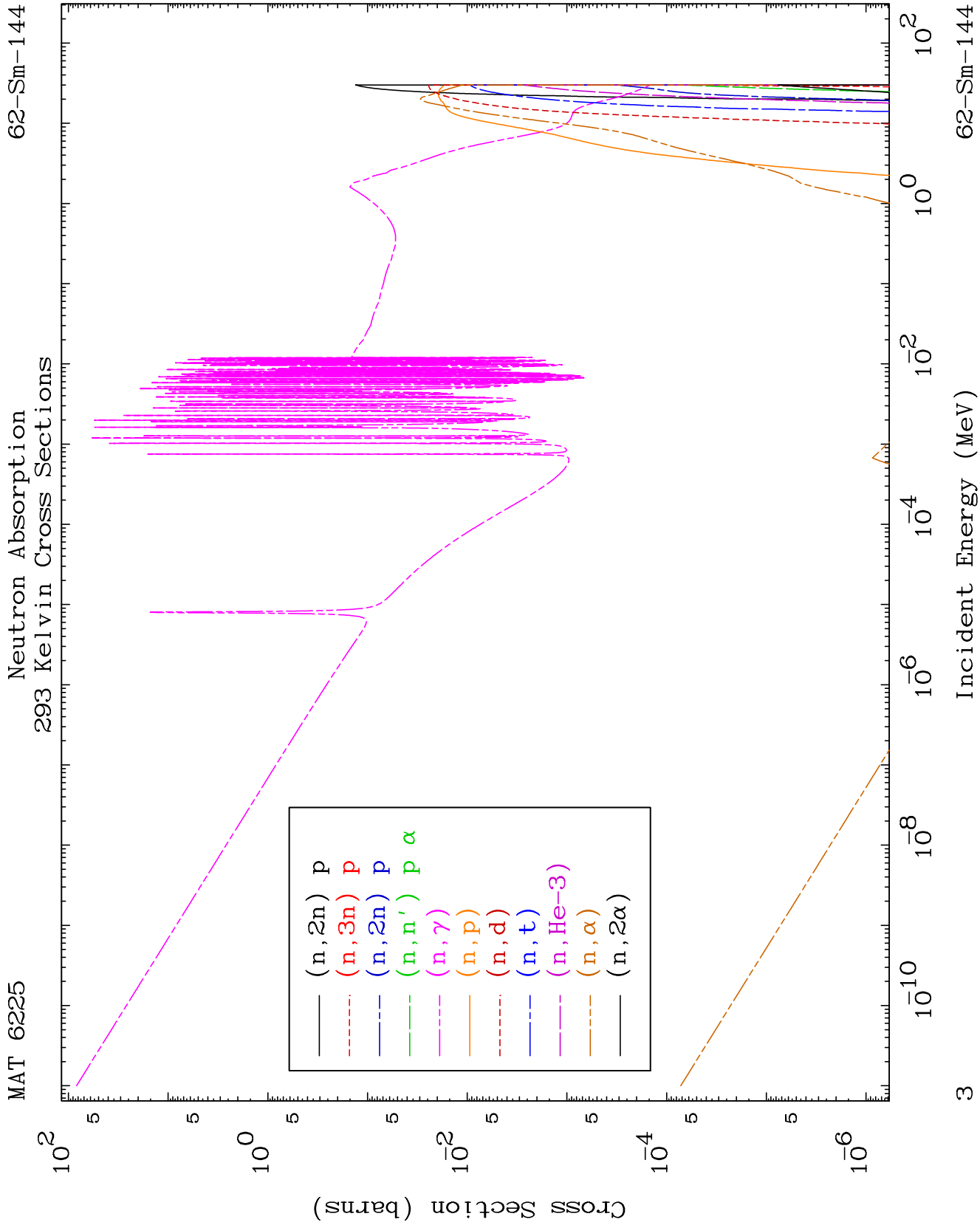


MAT 6225

Neutron Absorption
293 Kelvin Cross Sections

62-Sm-144

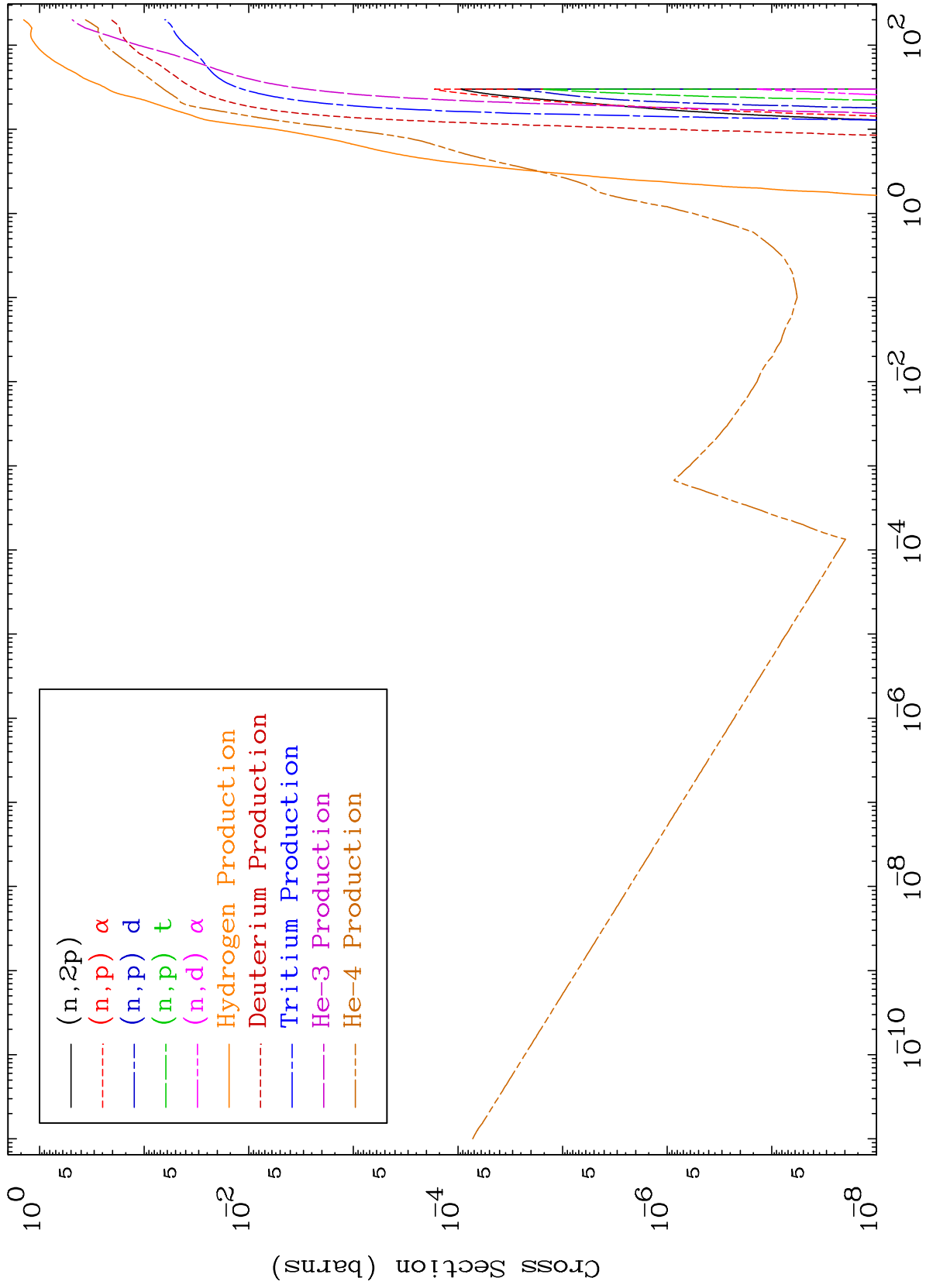




MAT 6225

Neutron Absorption
293 Kelvin Cross Sections

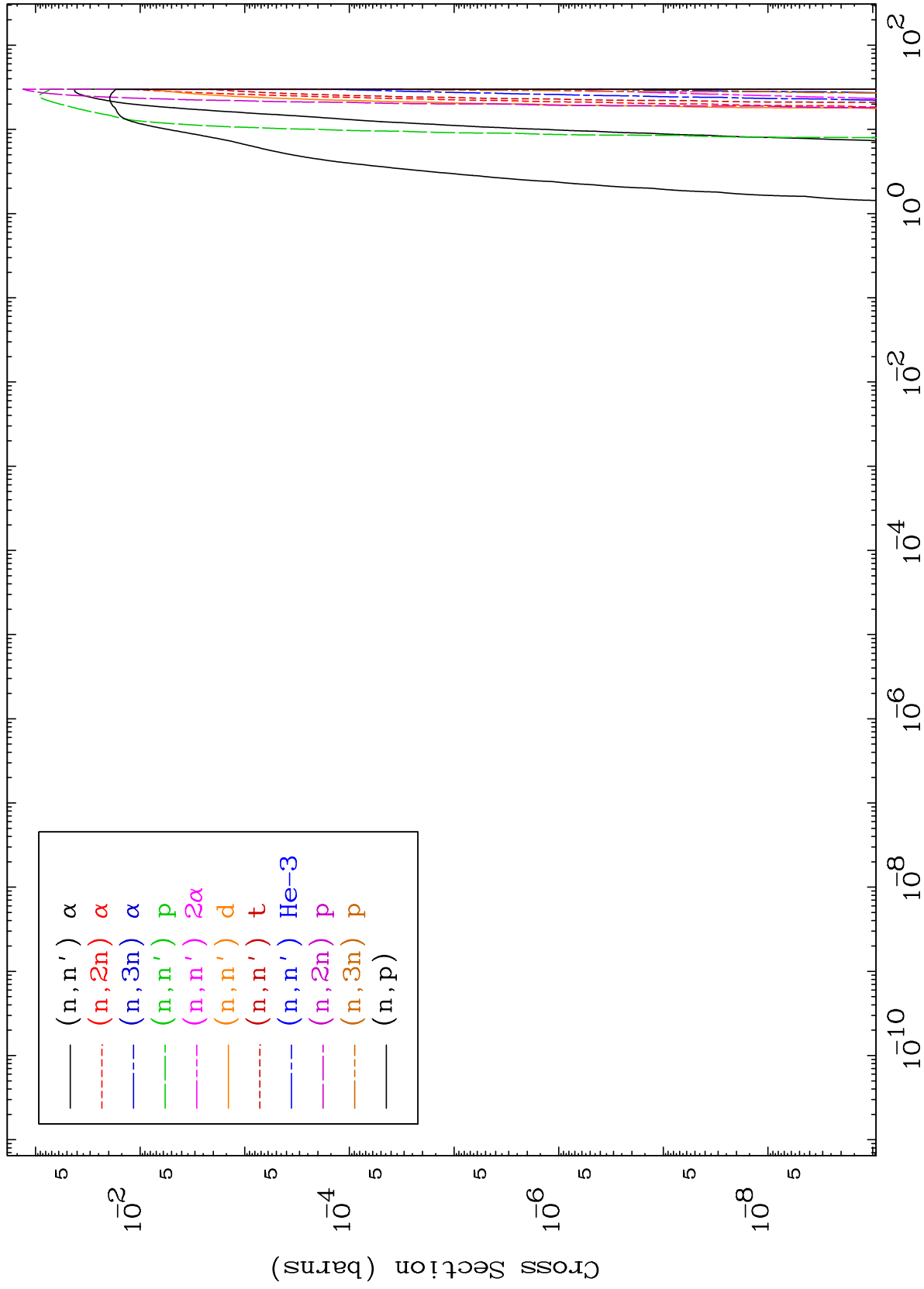
62-Sm-144



MAT 6225

293 Kelvin Cross Sections

62-Sm-144



5

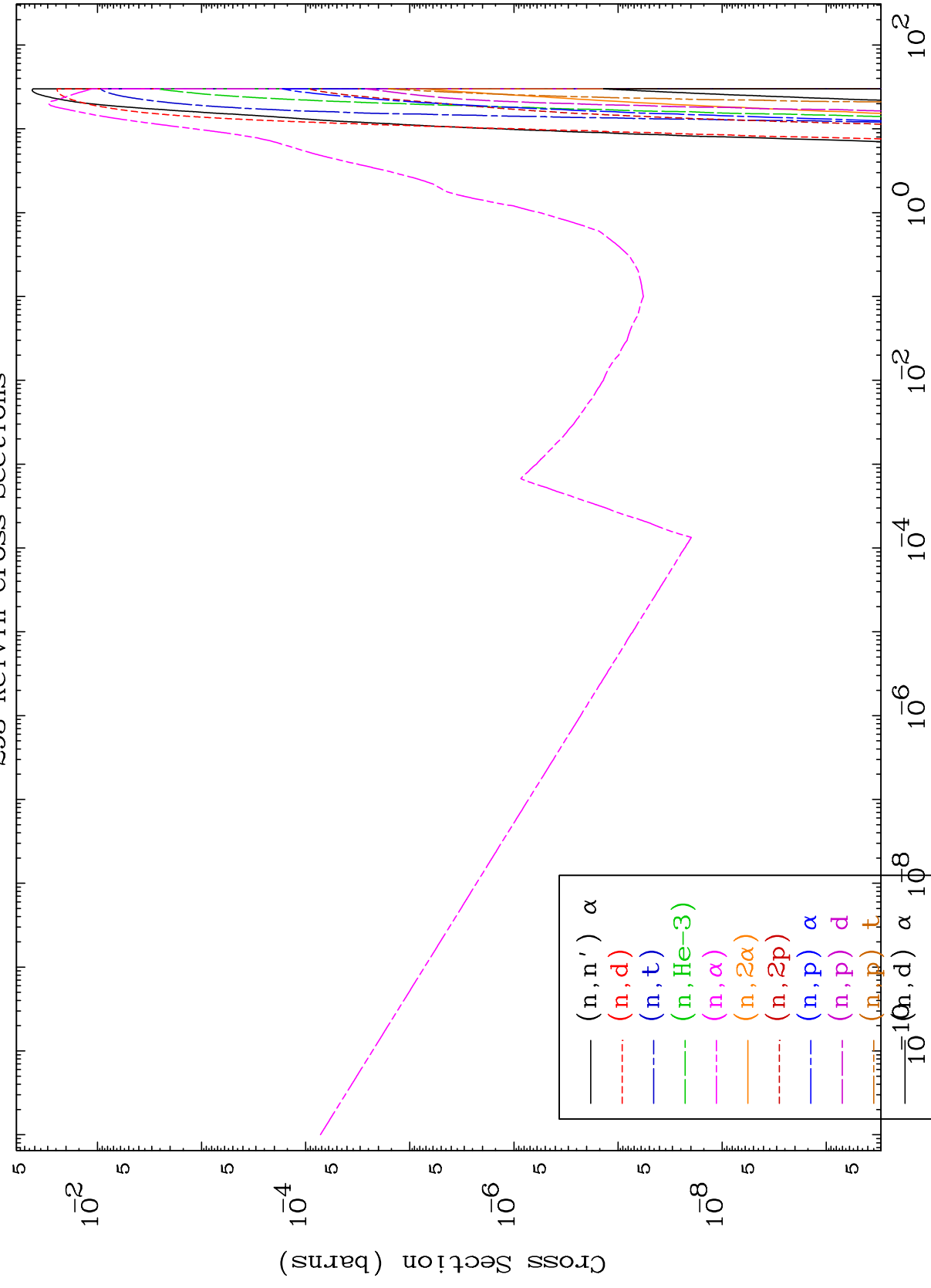
Incident Energy (MeV)

62-Sm-144

MAT 6225

293 Kelvin Cross Sections

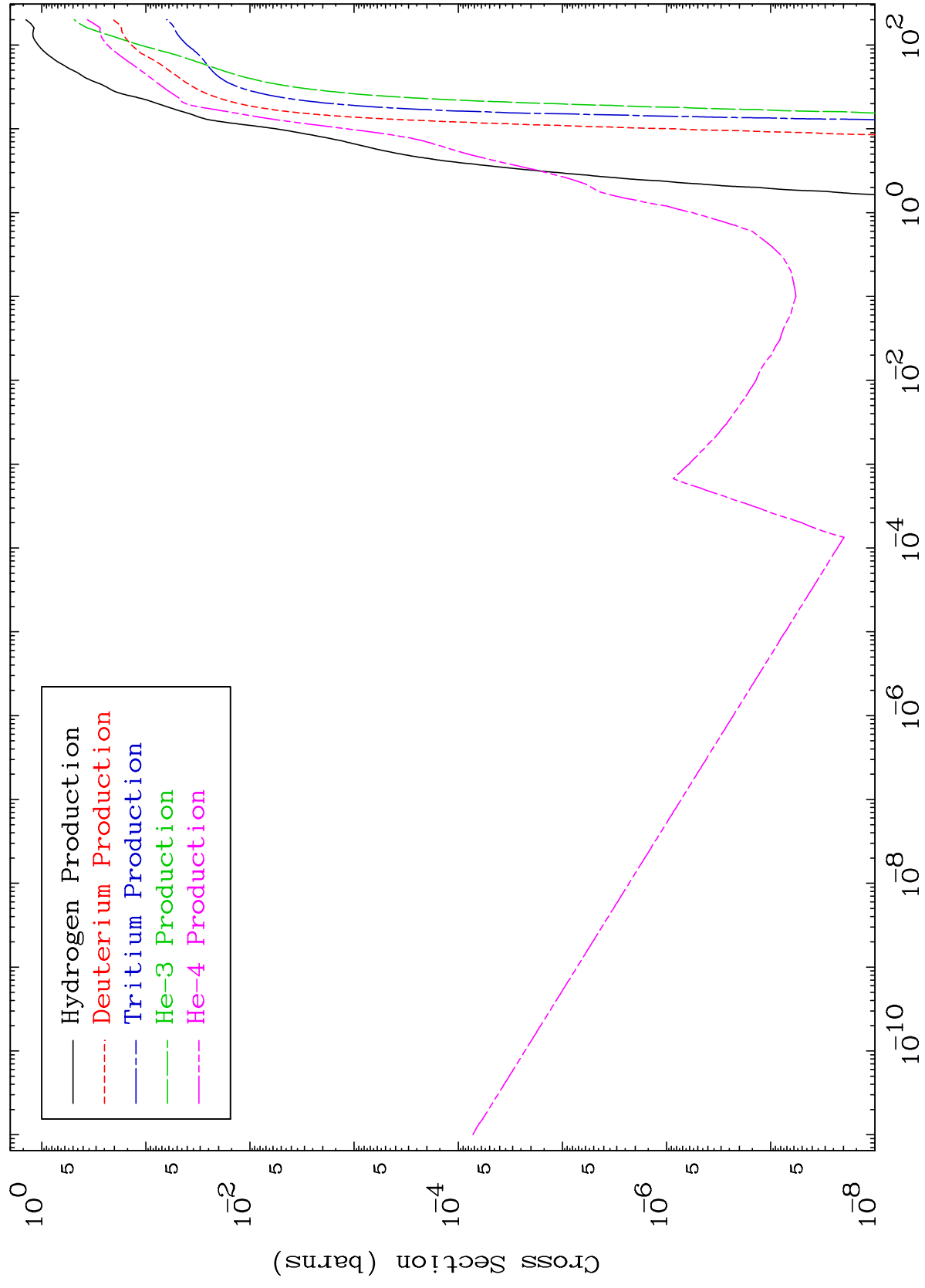
62-Sm-144



MAT 6225

Particle Production
293 Kelvin Cross Sections

62-Sm-144

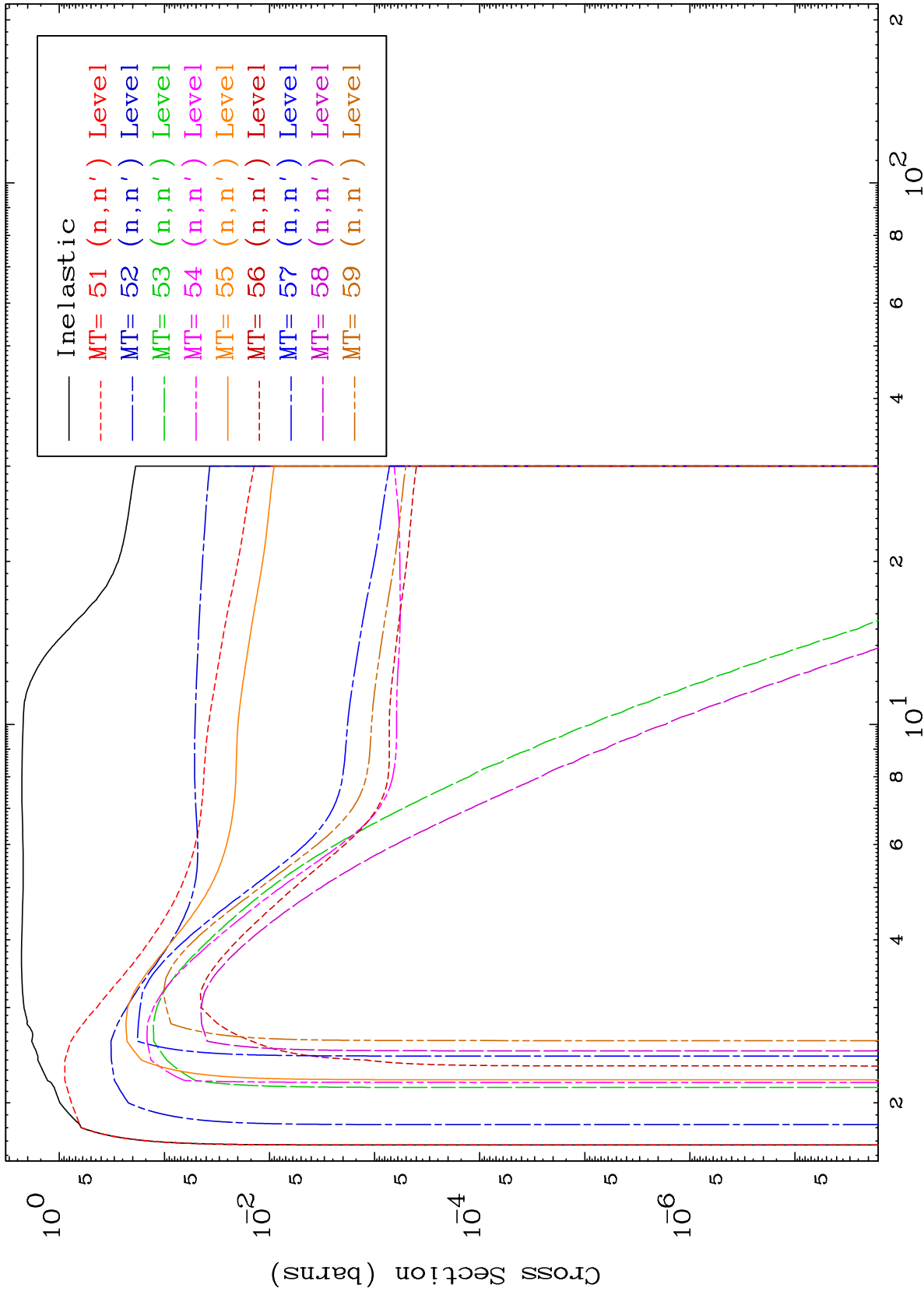


MAT 6225

(n,n') Levels

62-Sm-144

293 Kelvin Cross Sections



8

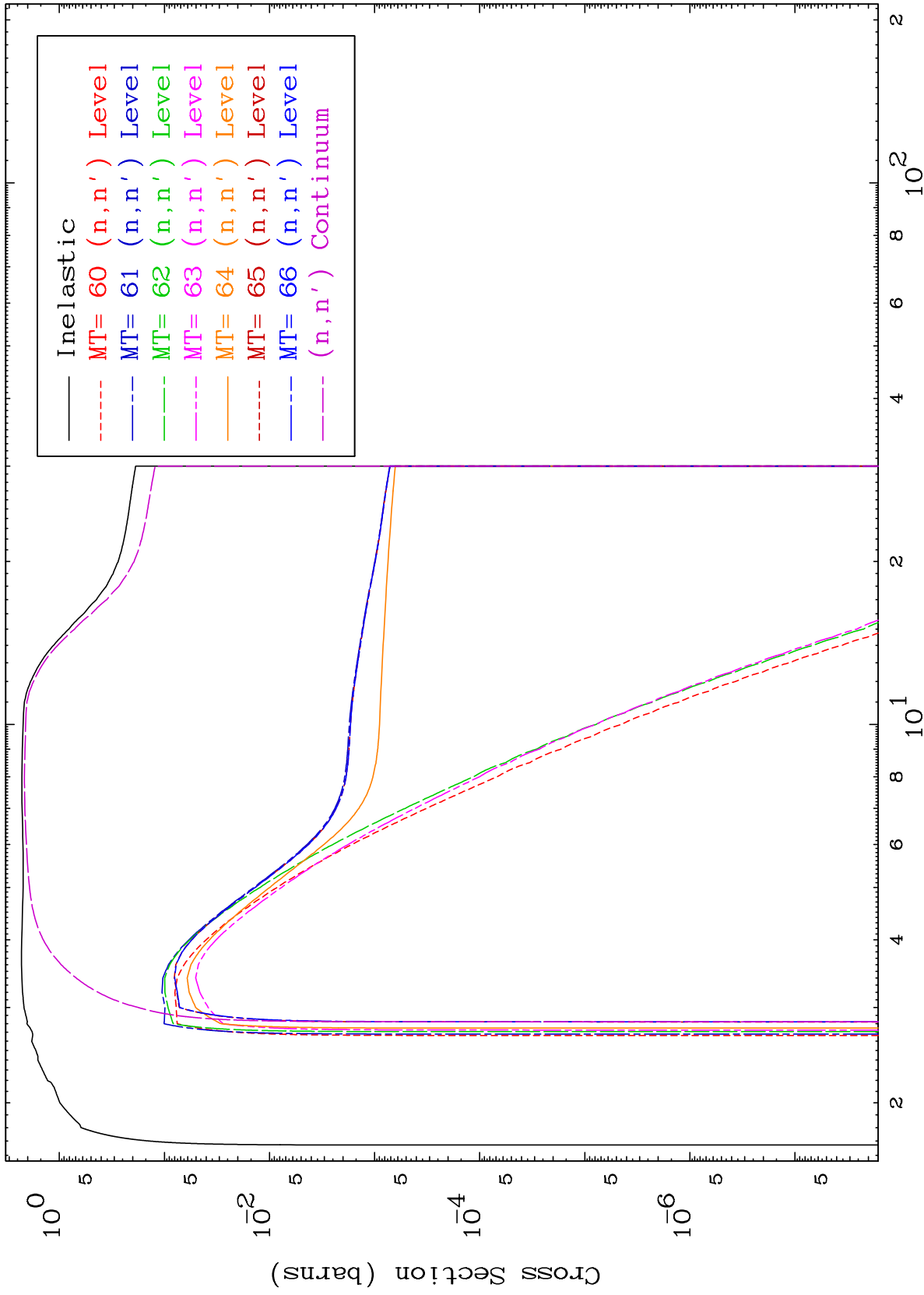
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,n') Levels
293 Kelvin Cross Sections

62-Sm-144



9

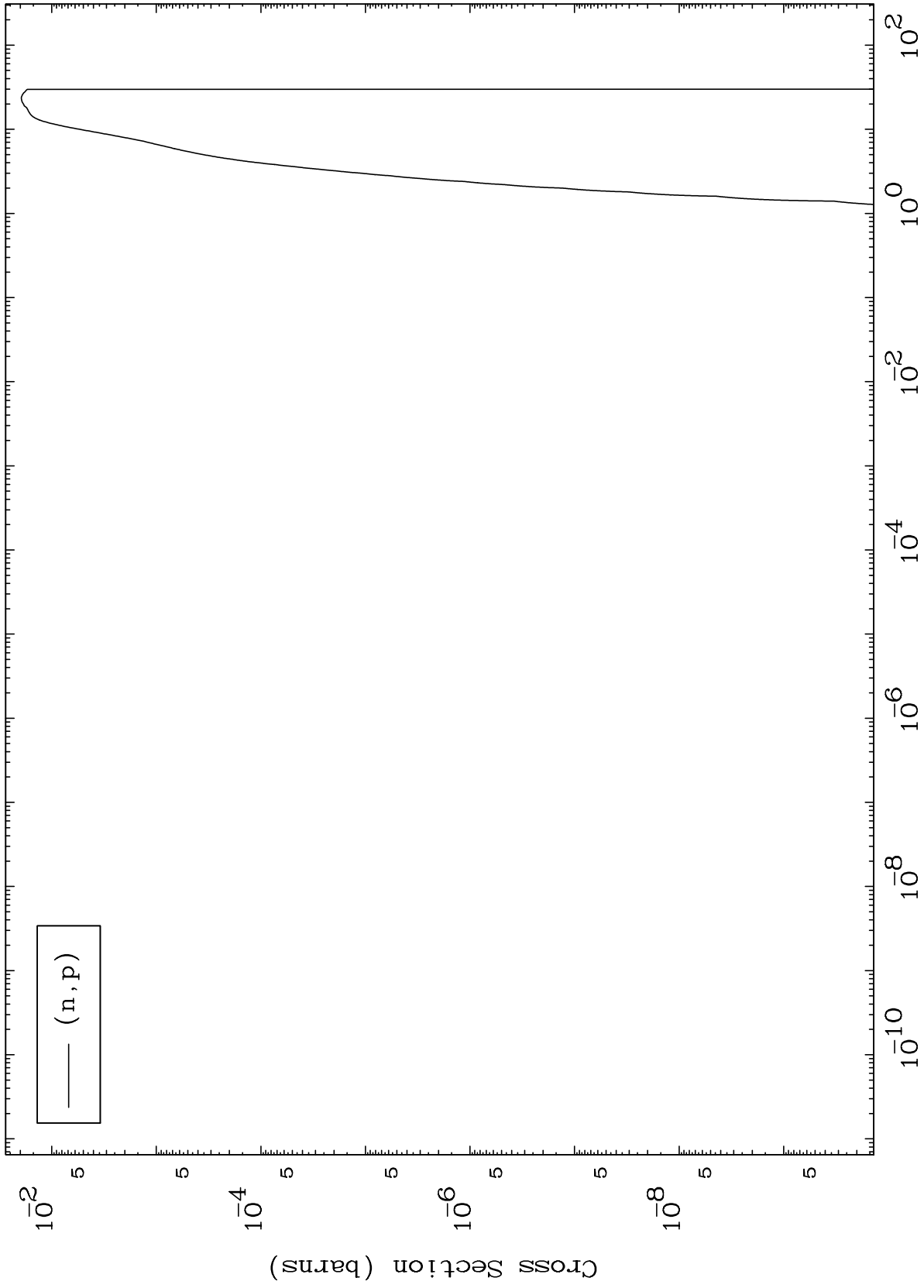
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-144



10

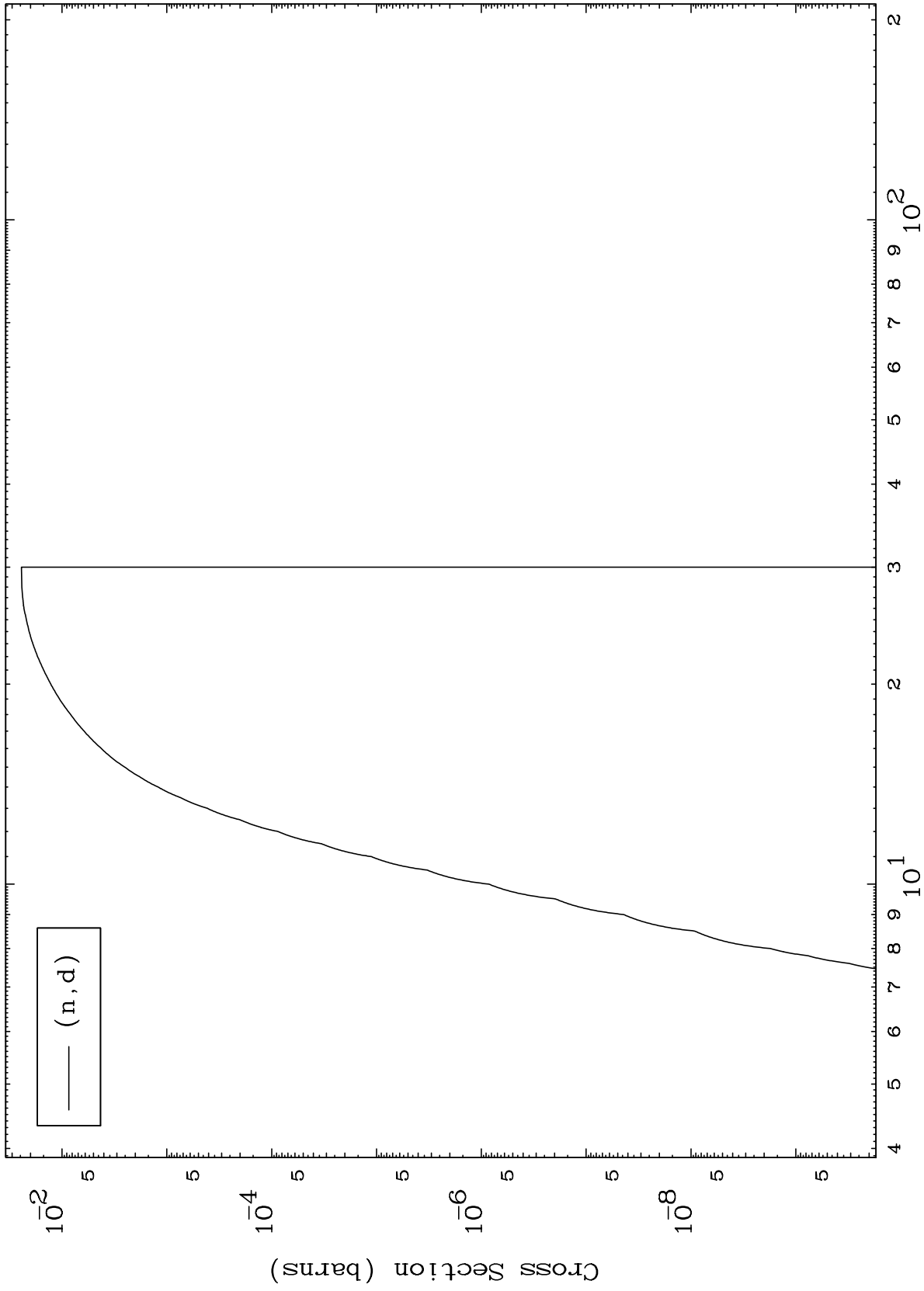
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-144



11

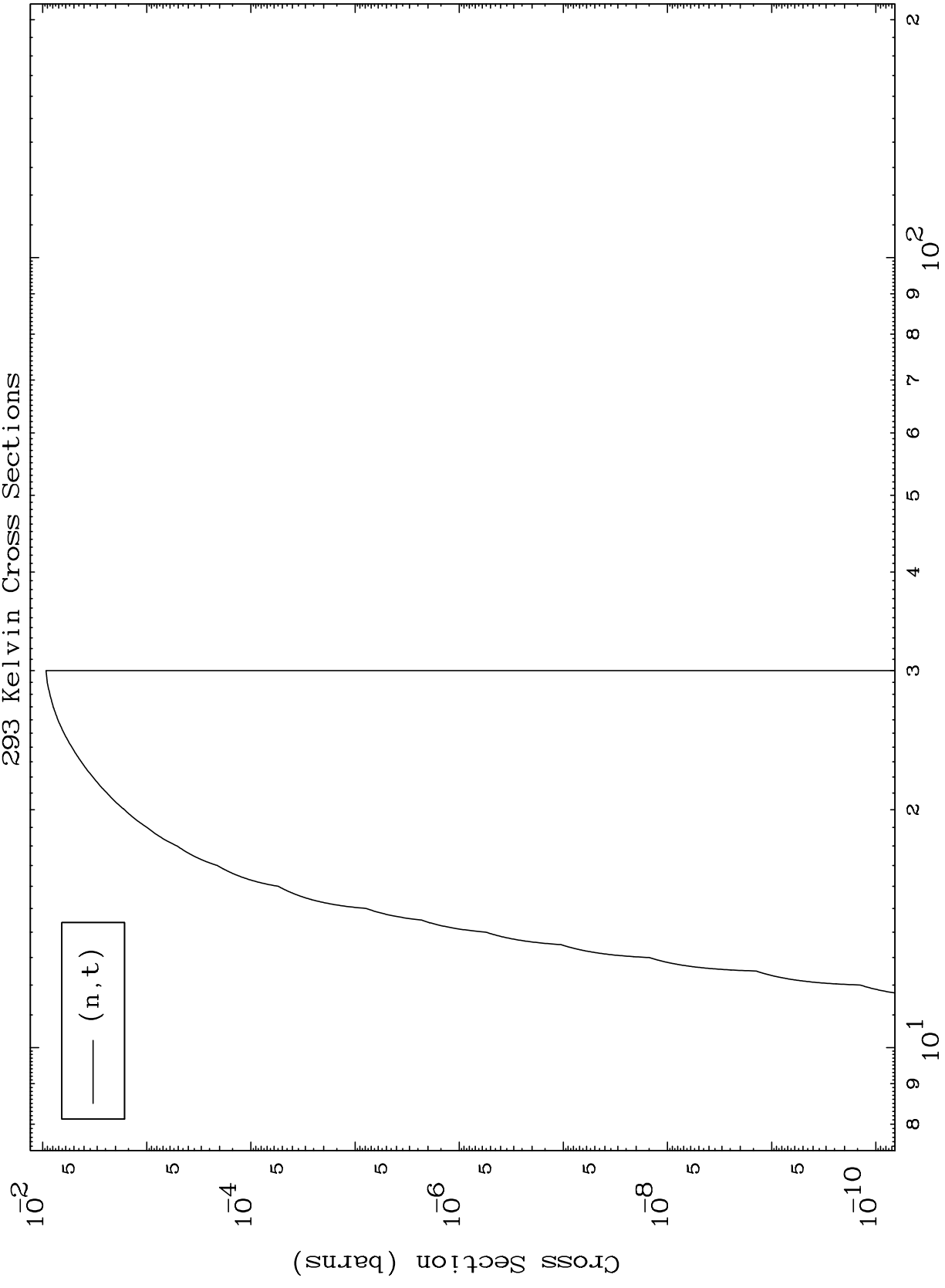
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-144



12

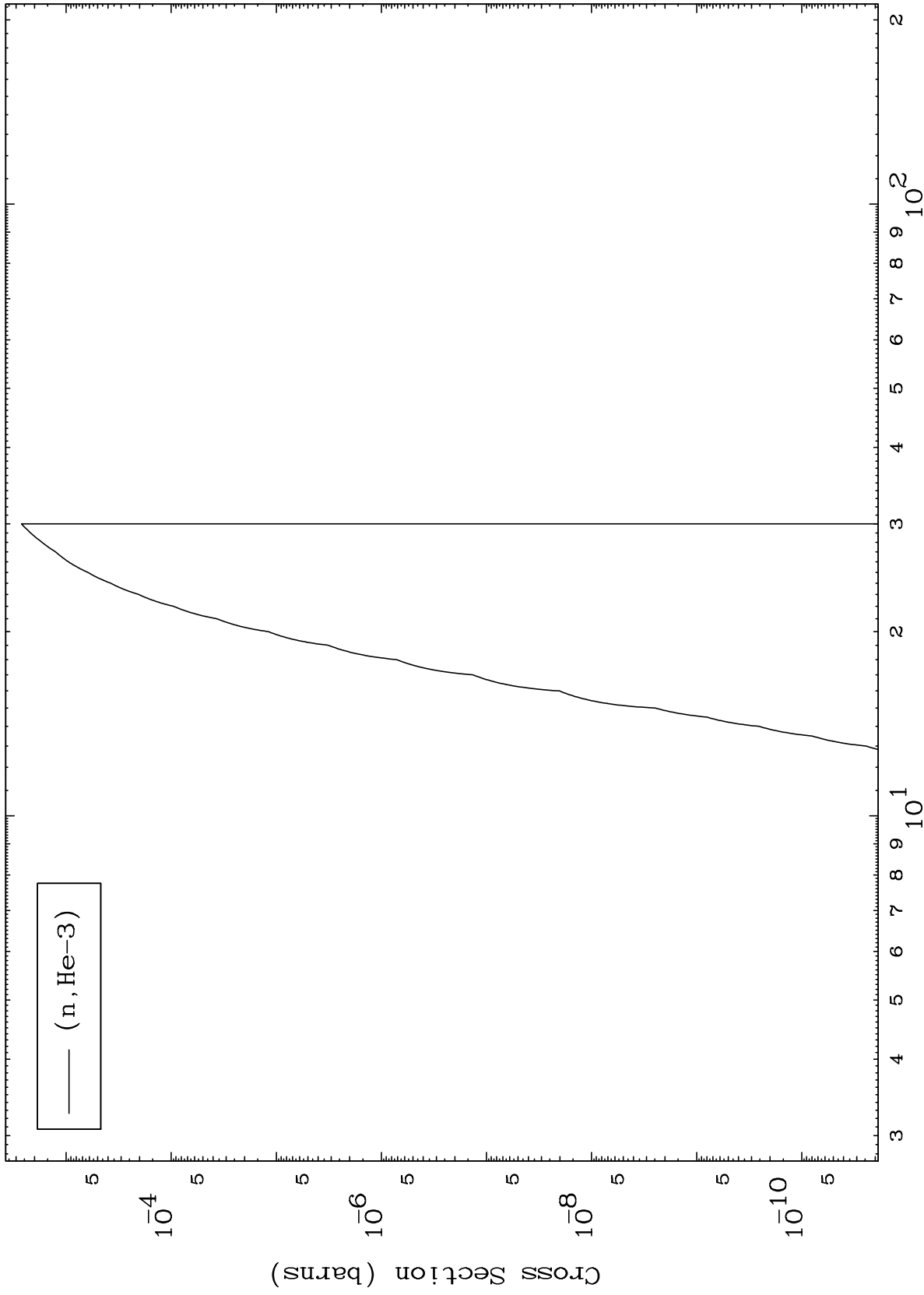
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-144



13

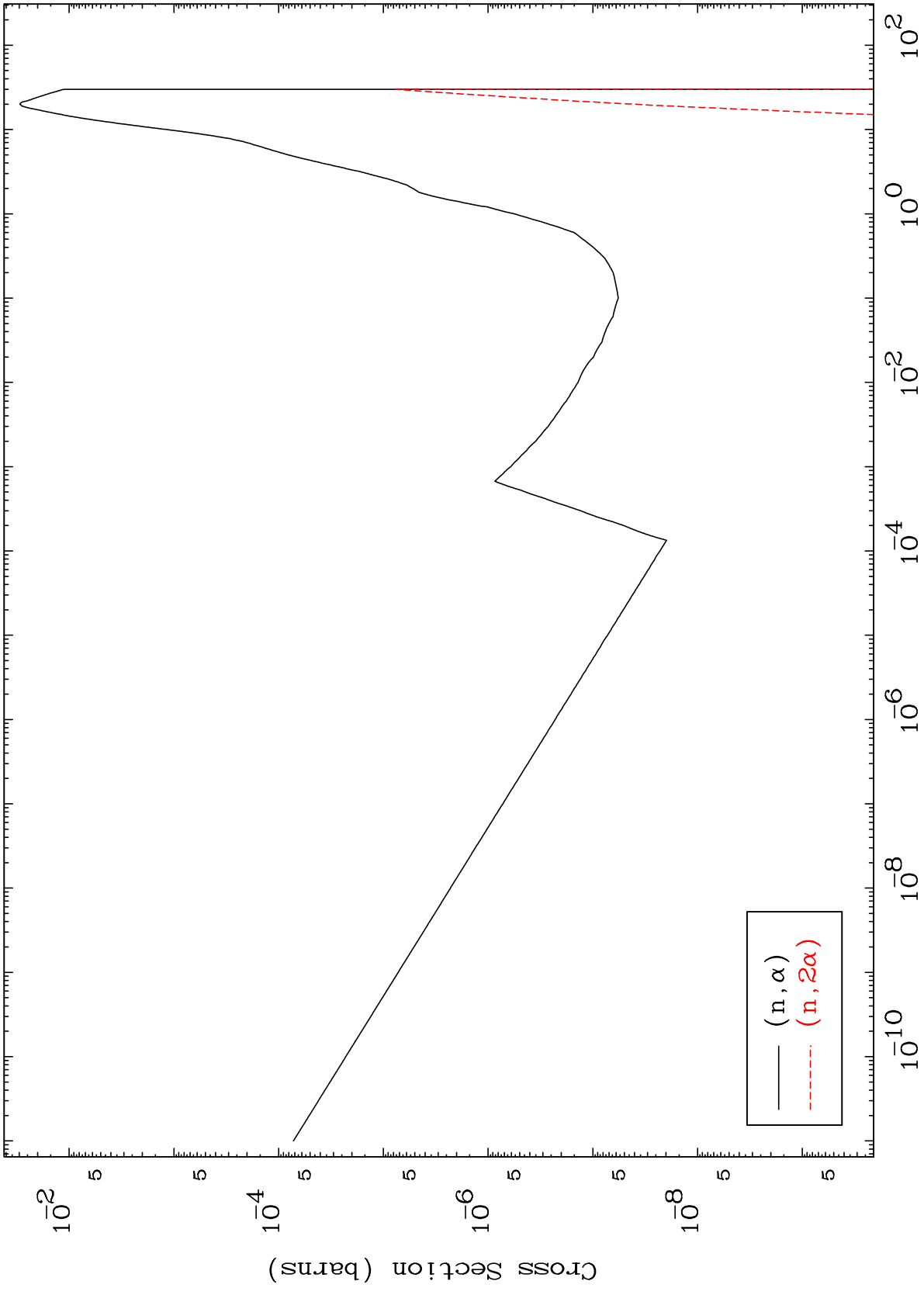
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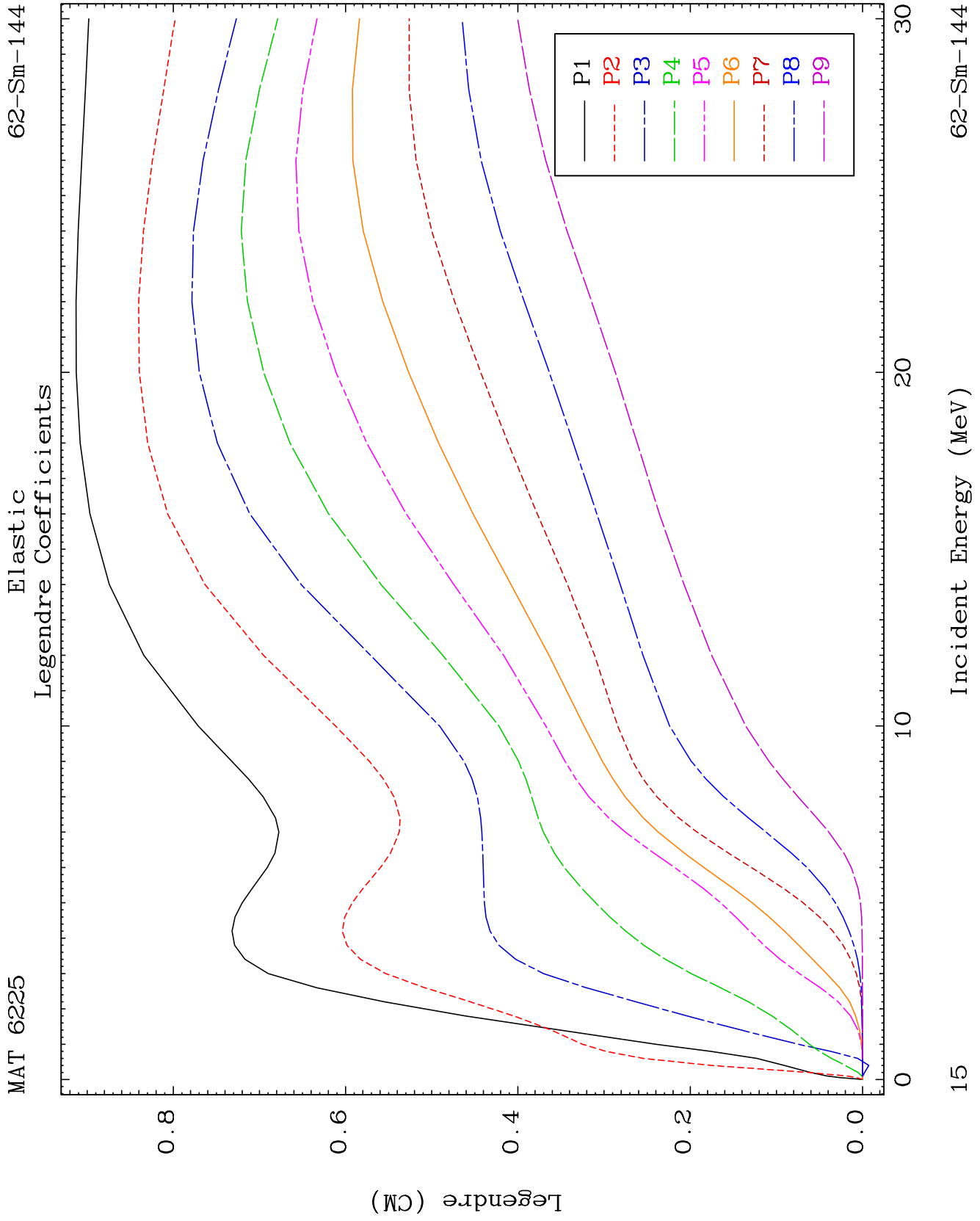
62-Sm-144

MAT 6225

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-144

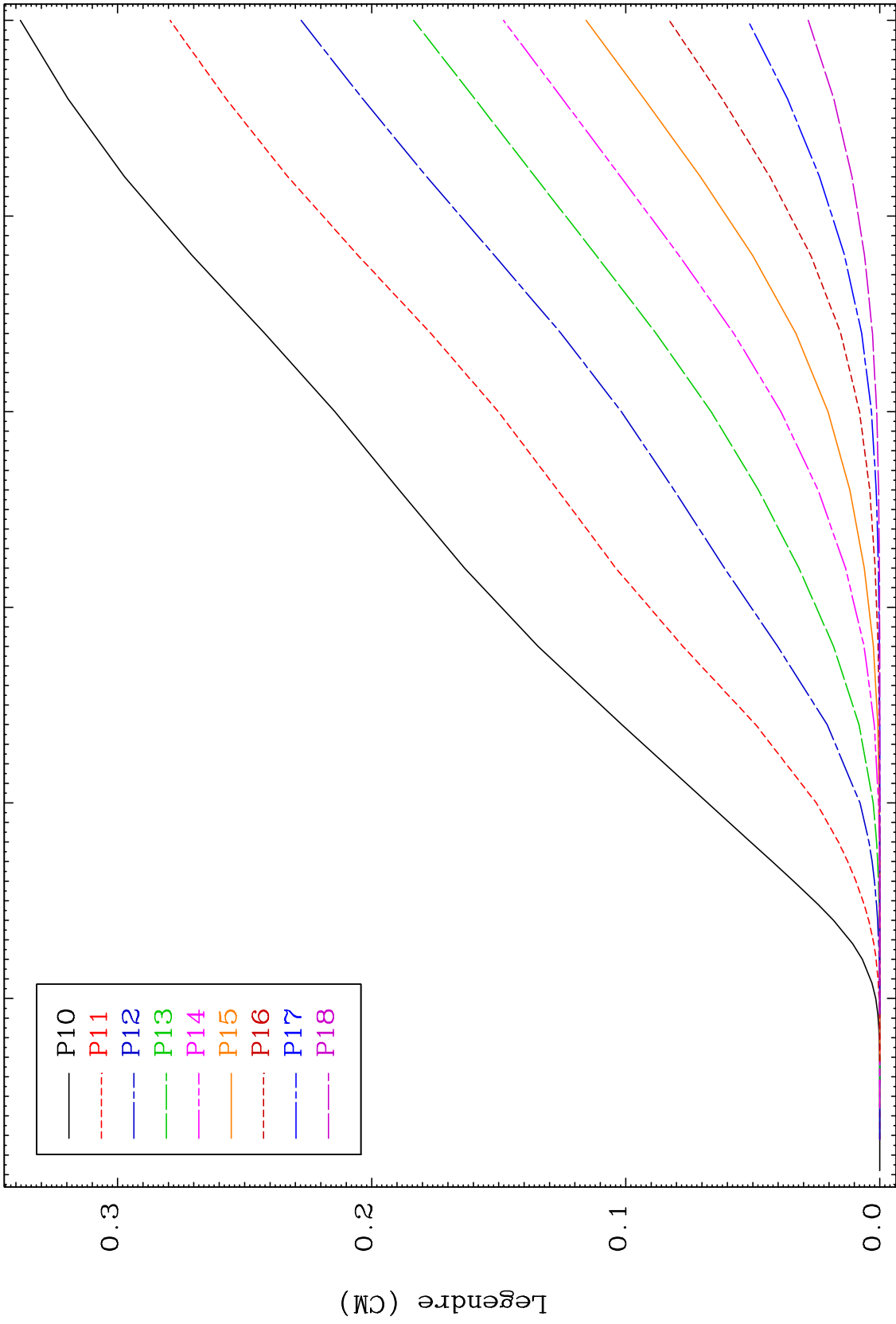




MAT 6225

Elastic Legendre Coefficients

62-Sm-144



16

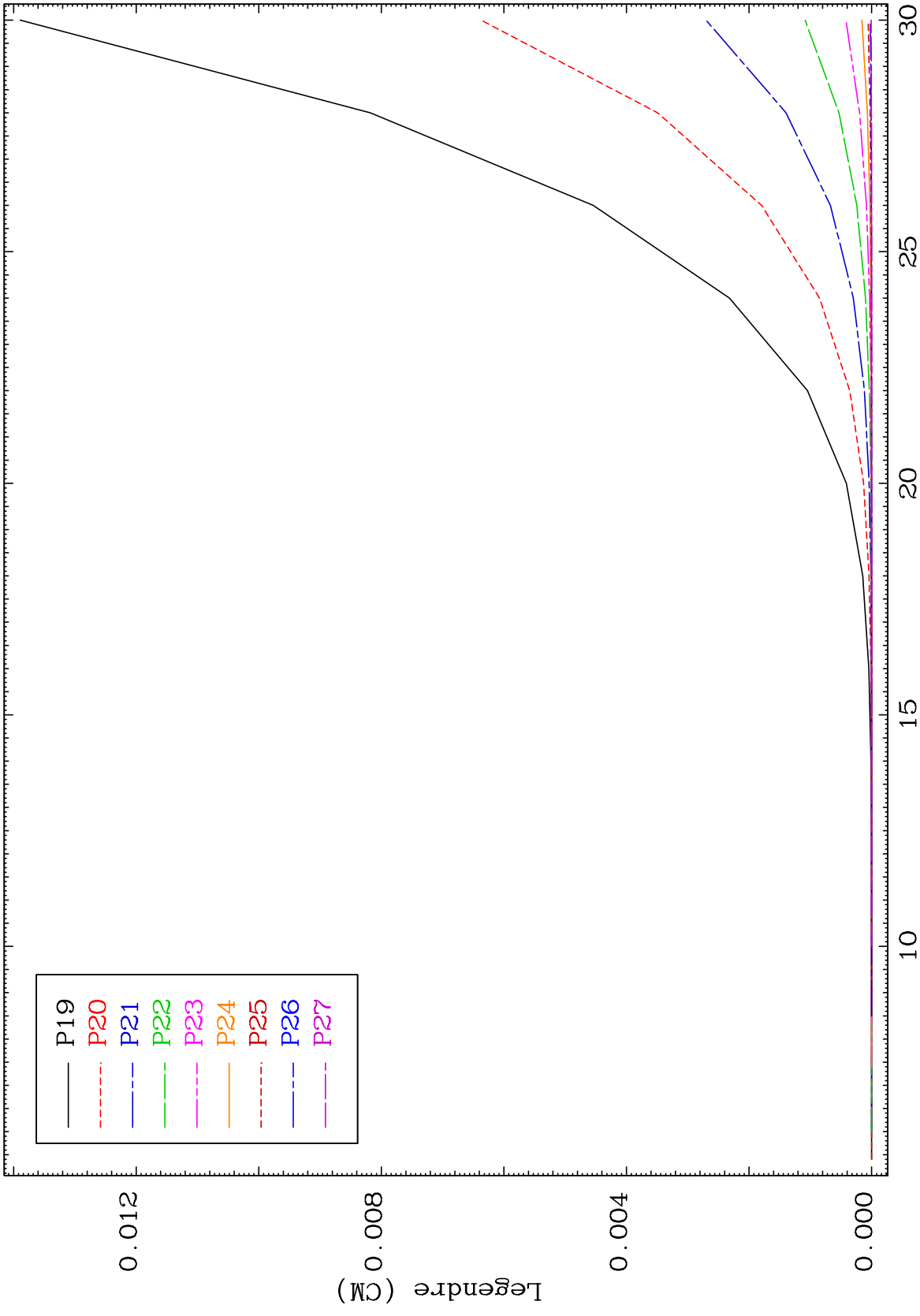
Incident Energy (MeV)

62-Sm-144

MAT 6225

Elastic Legendre Coefficients

62-Sm-144



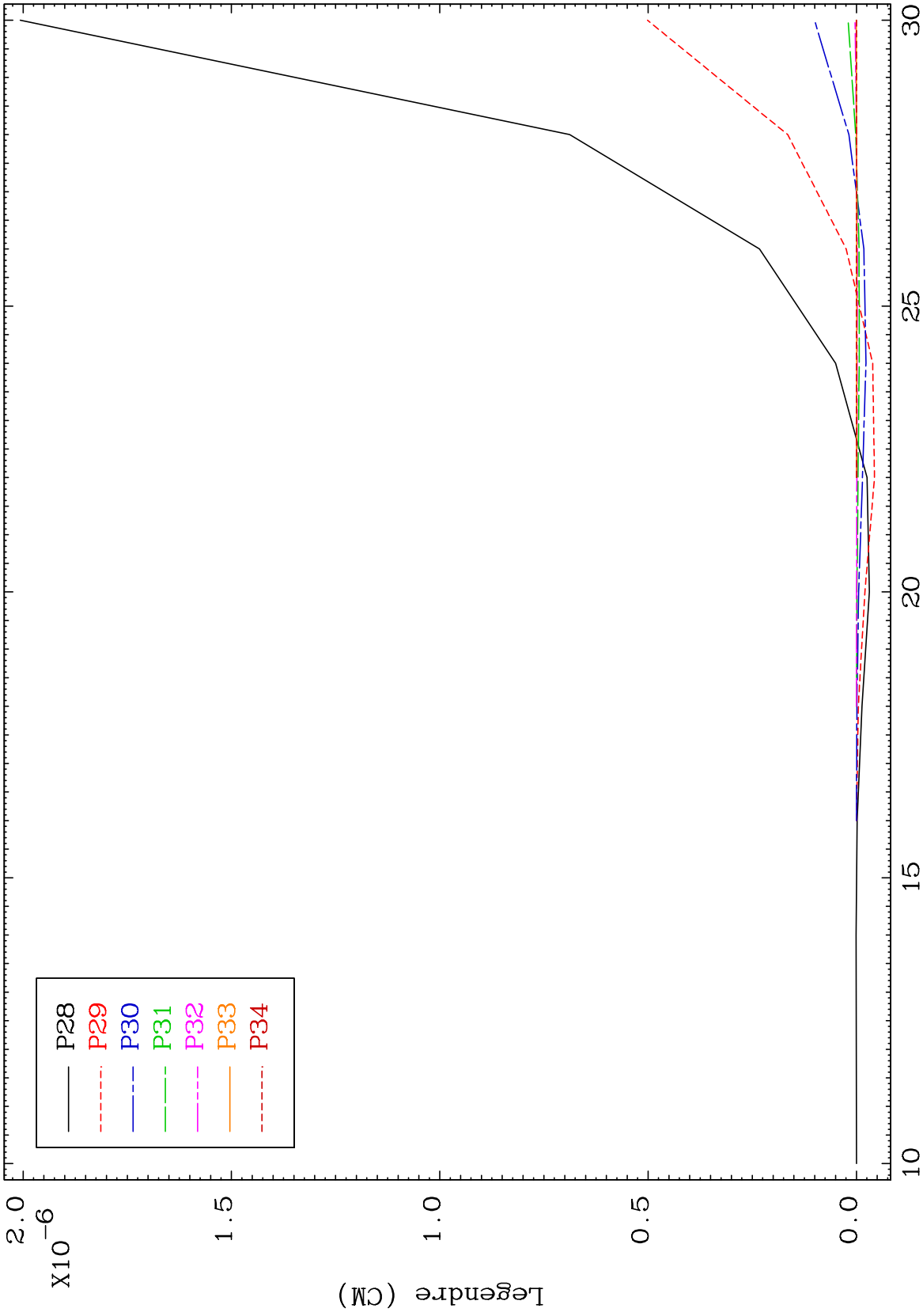
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62-Sm-144

MAT 6225

Elastic Legendre Coefficients

62-Sm-144

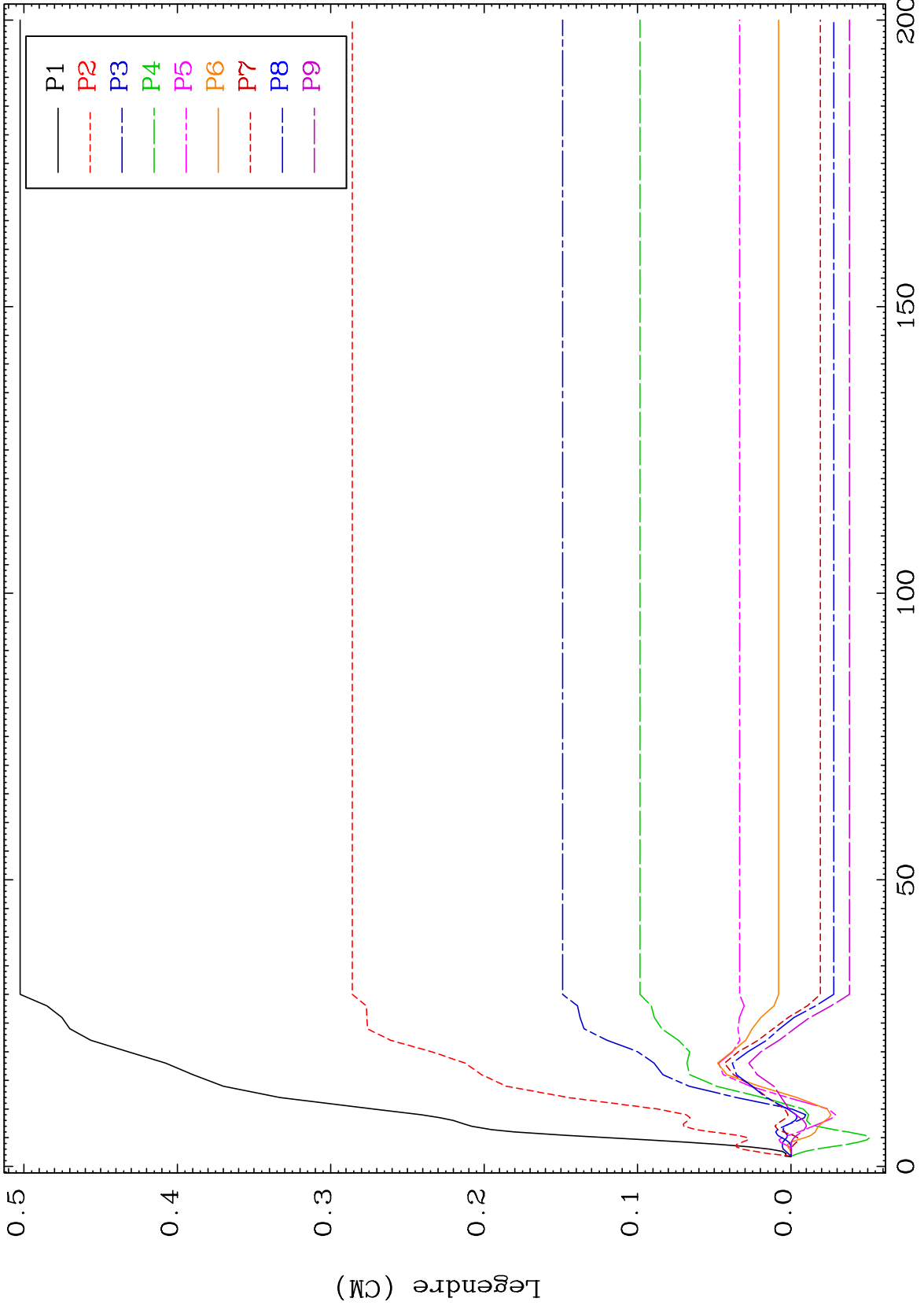


18

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 51 (n,n') Level Legendre Coefficients 62-Sm-144

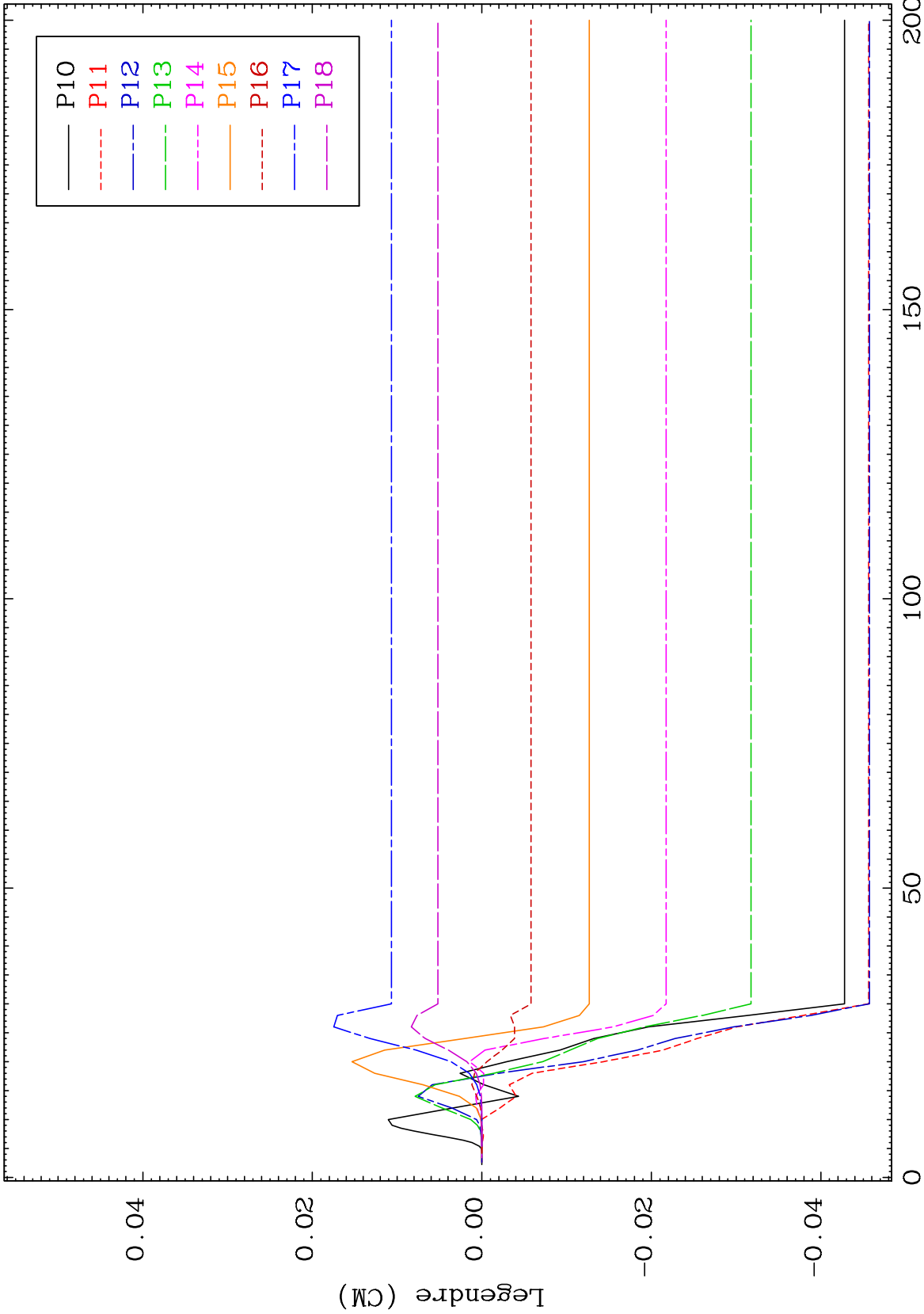


19 62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

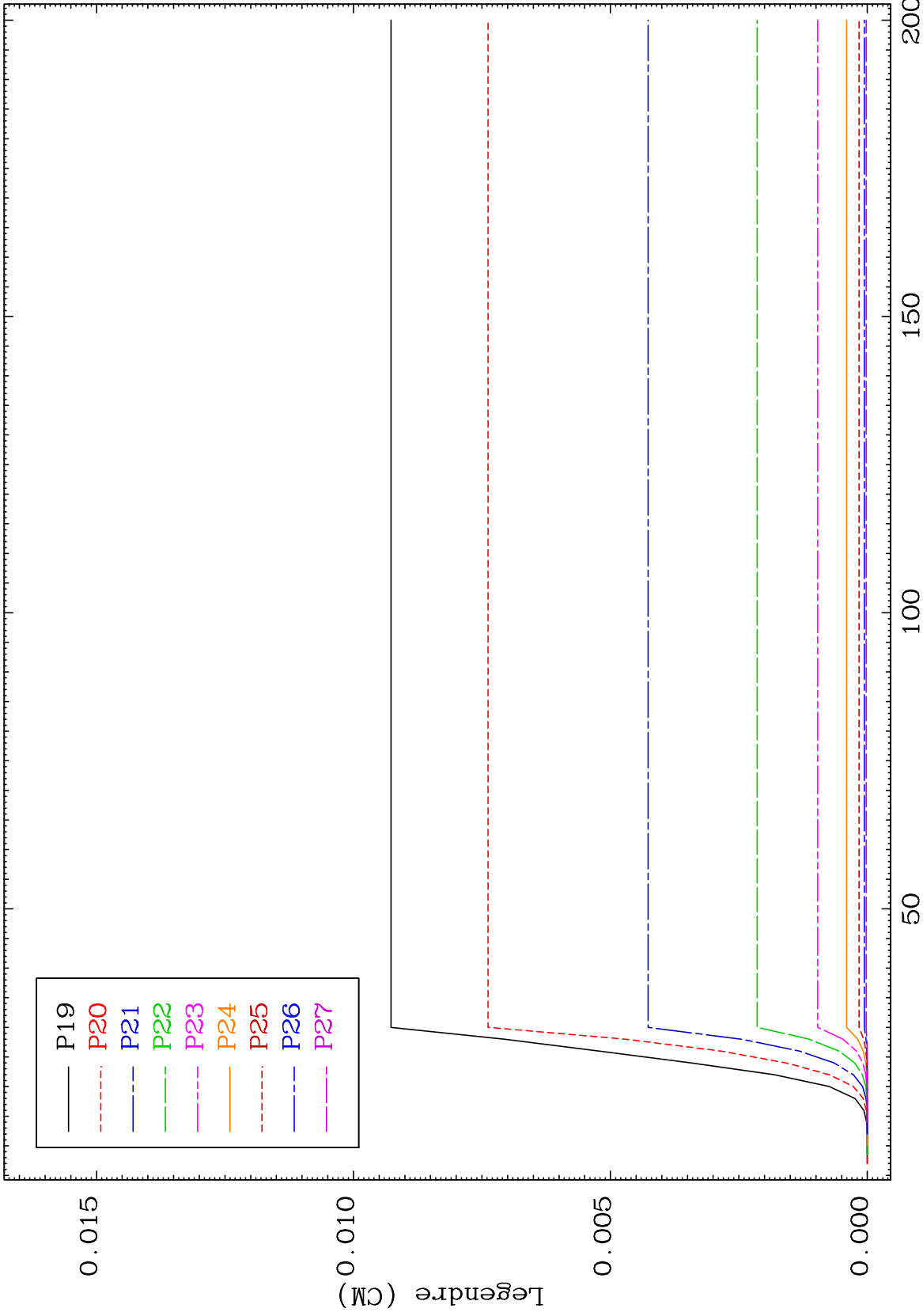
Incident Energy (MeV)

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MAT 6225

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

62-Sm-144



21

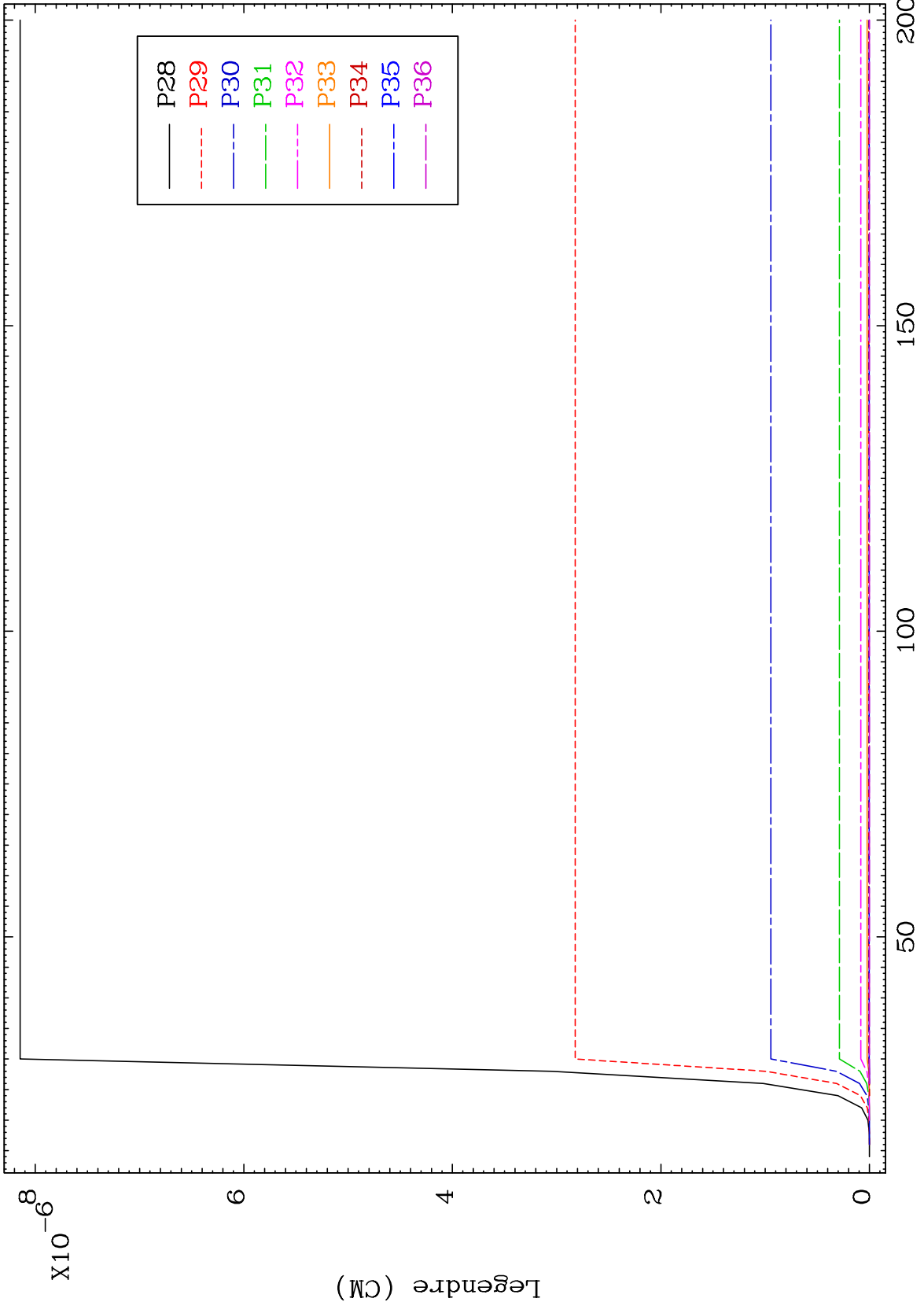
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



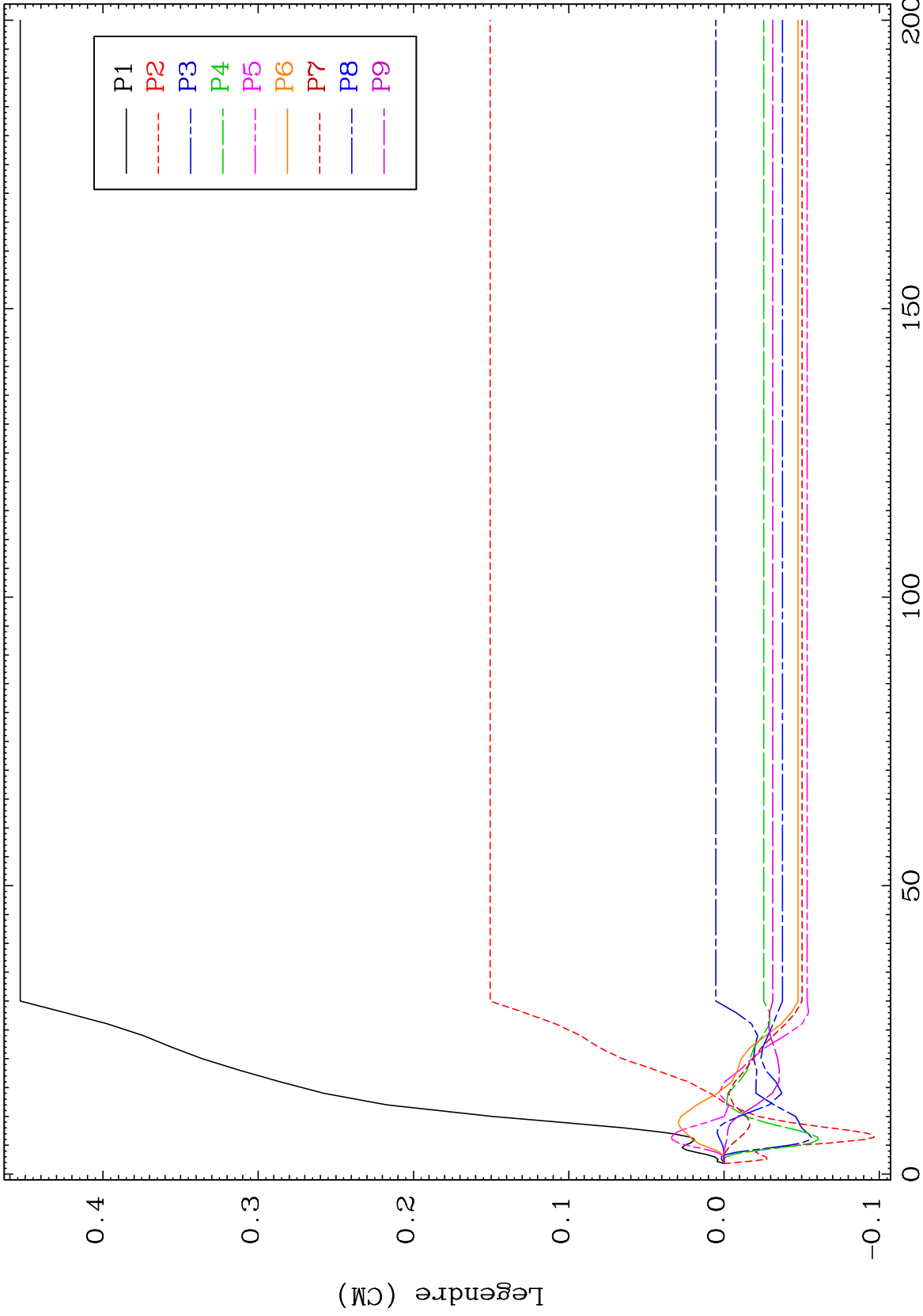
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62-Sm-144

MAT 6225

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

62-Sm-144



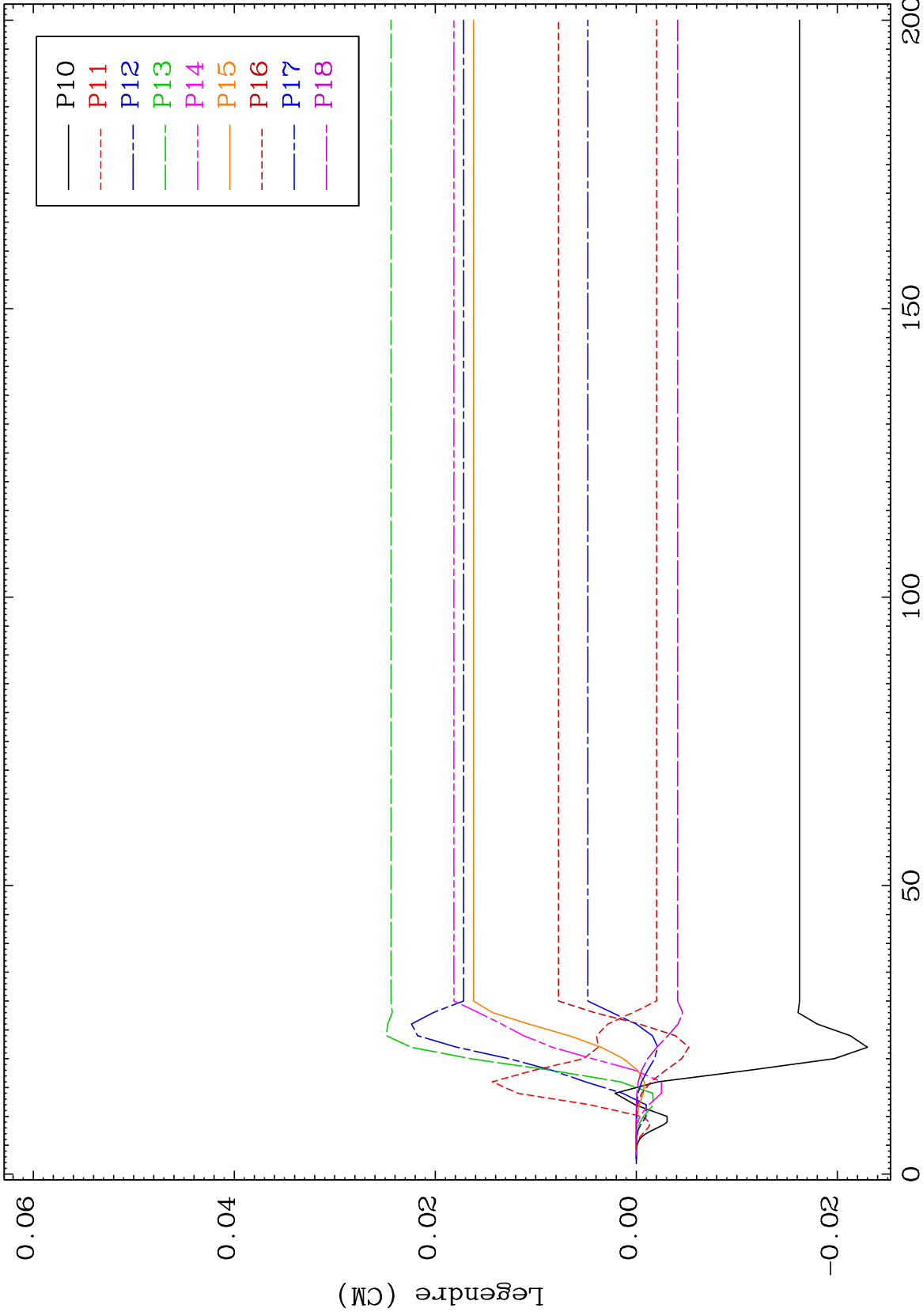
23

62-Sm-144

MAT 6225

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

62-Sm-144



24

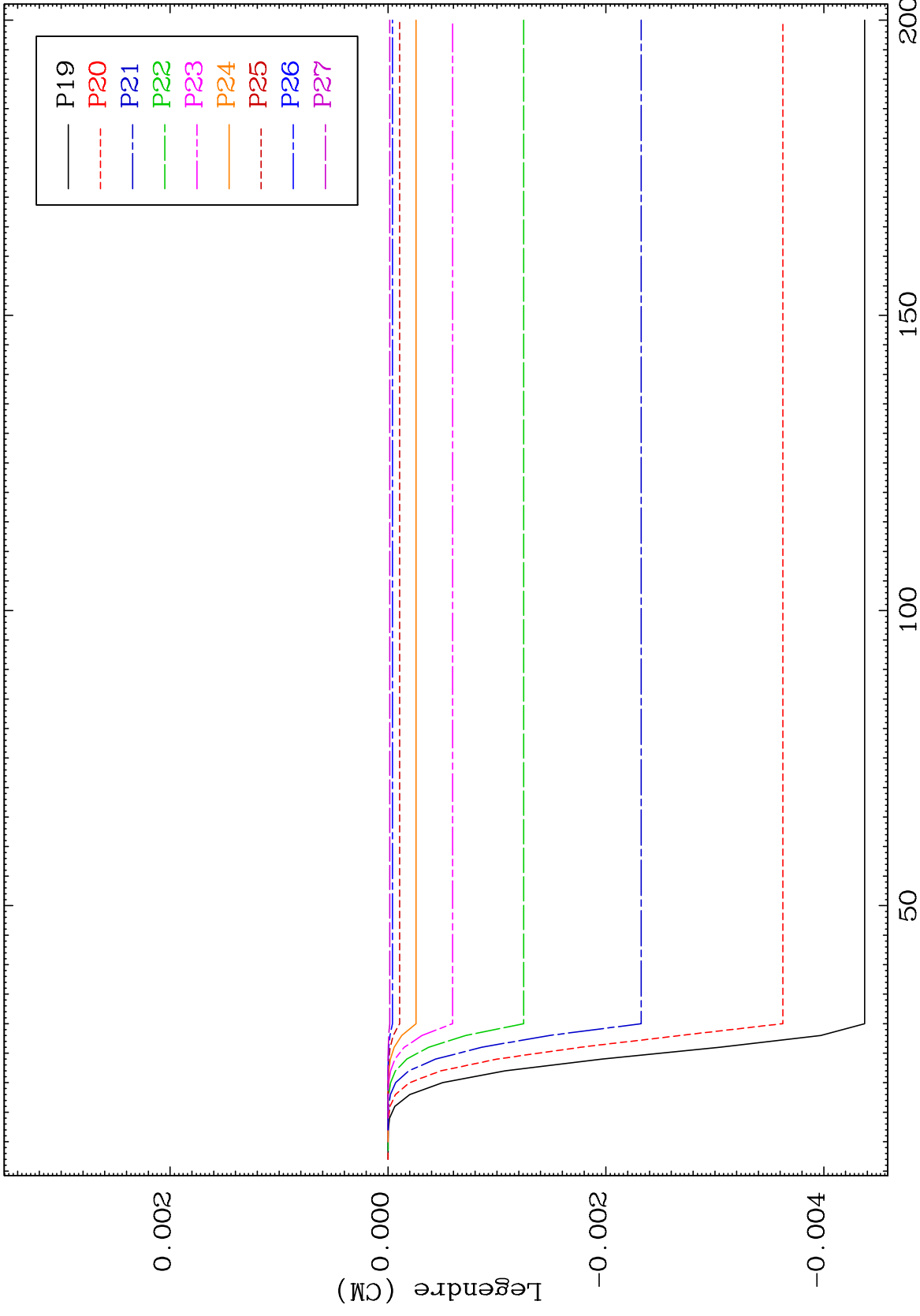
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

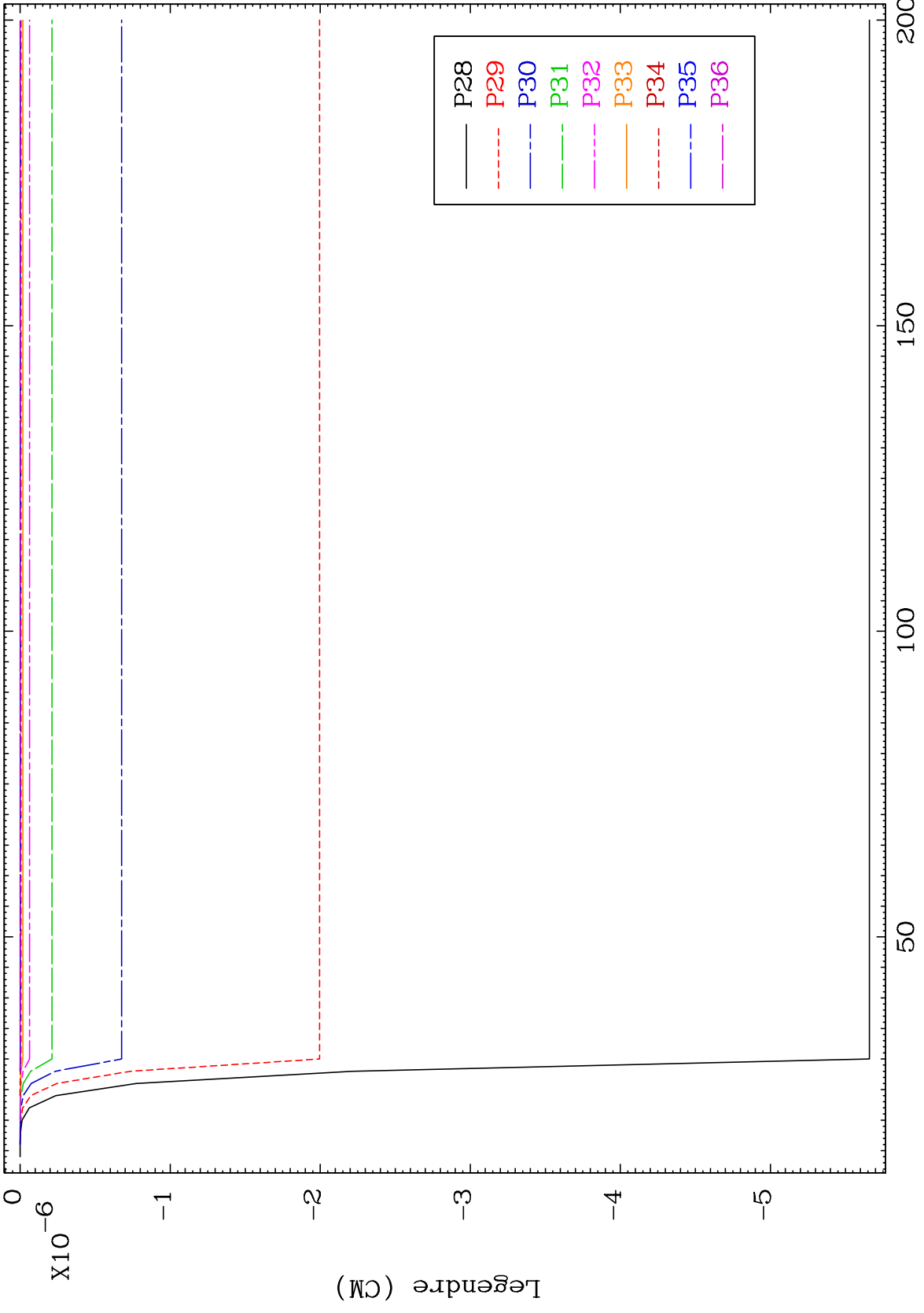


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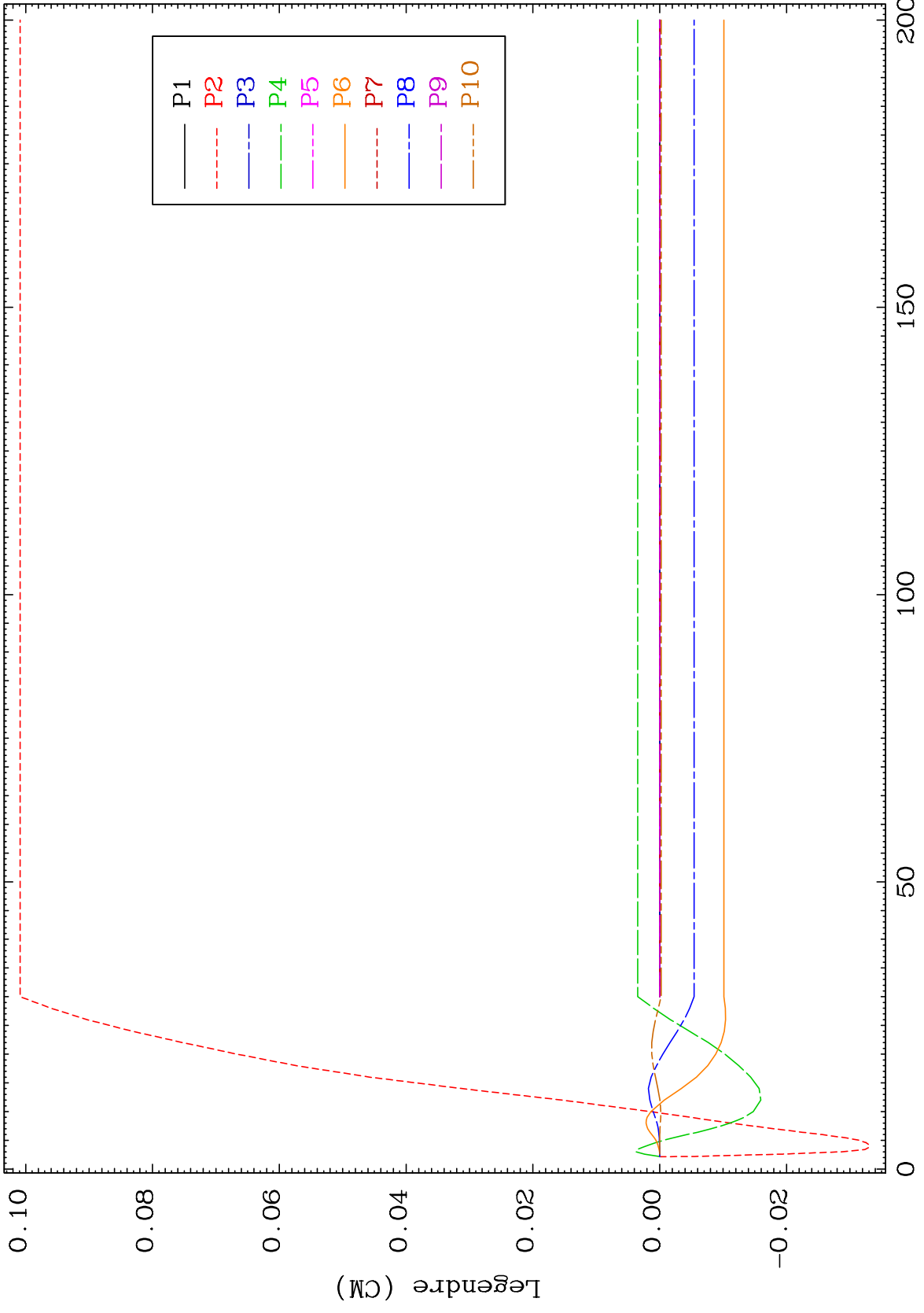
Incident Energy (MeV)

62-Sm-144

Legendre Coefficients



MAT 6225 MT= 53 (n,n') Level Legendre Coefficients 62-Sm-144

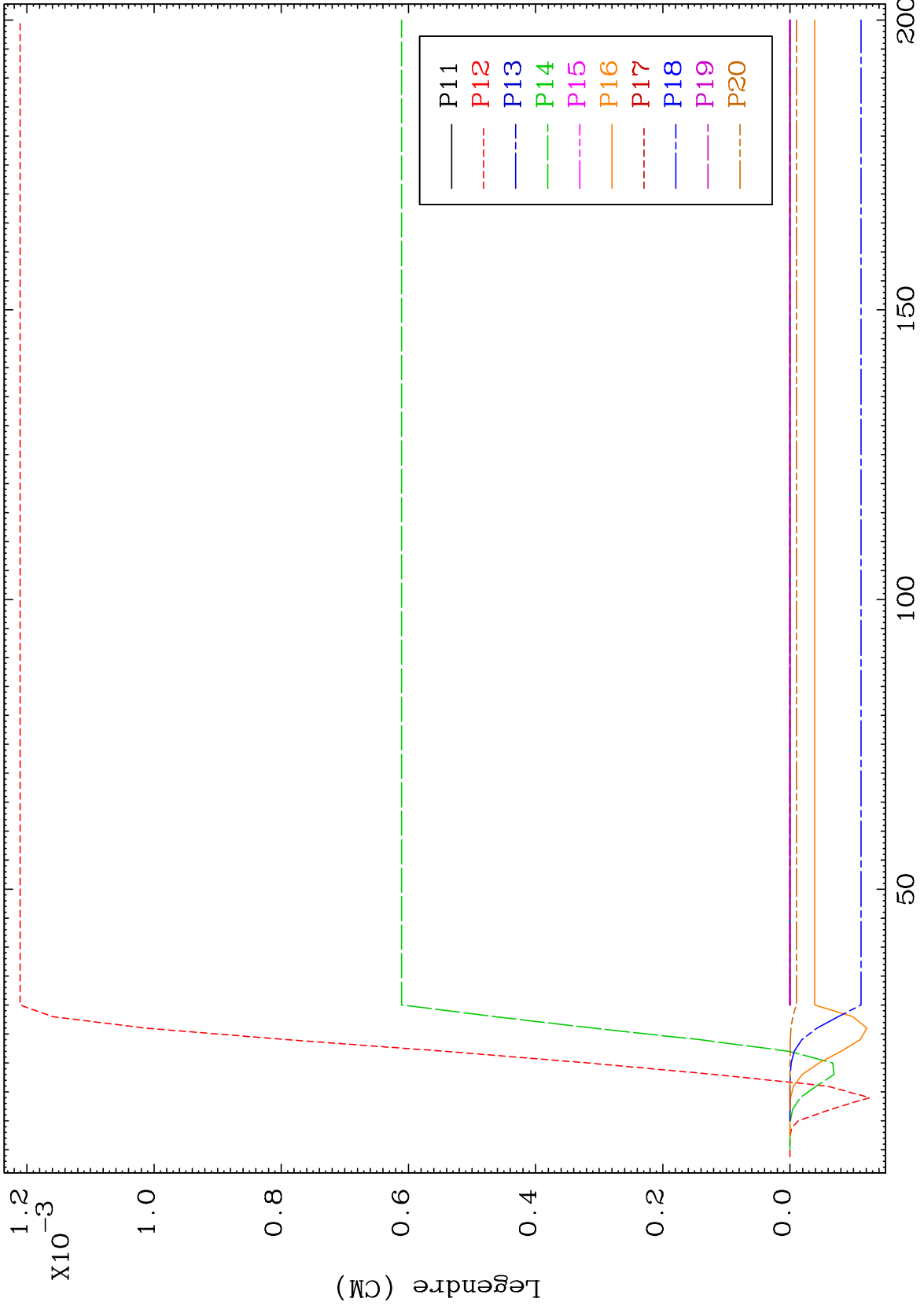


27 Incident Energy (MeV) 62-Sm-144

MAT 6225

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

62-Sm-144



28

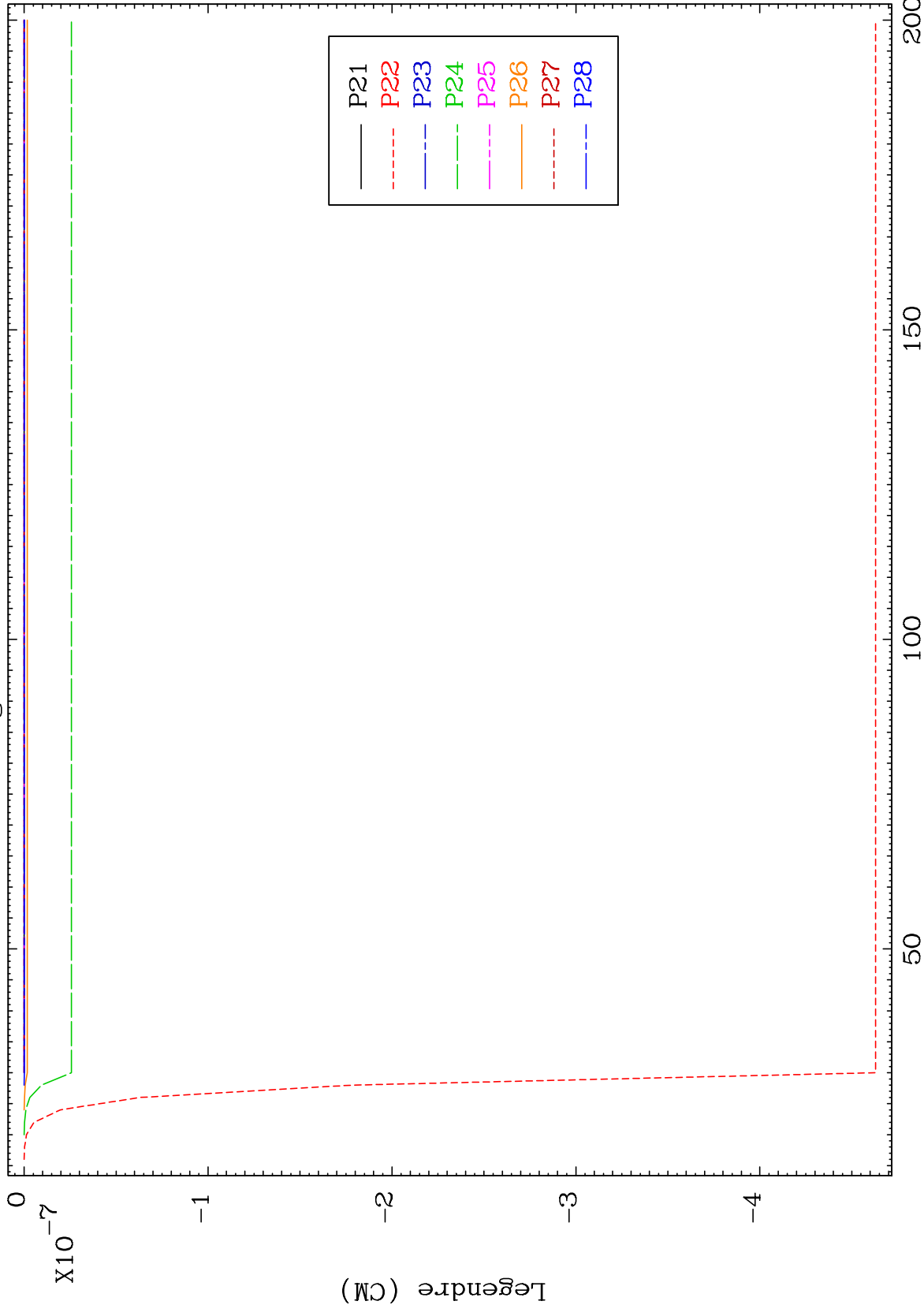
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

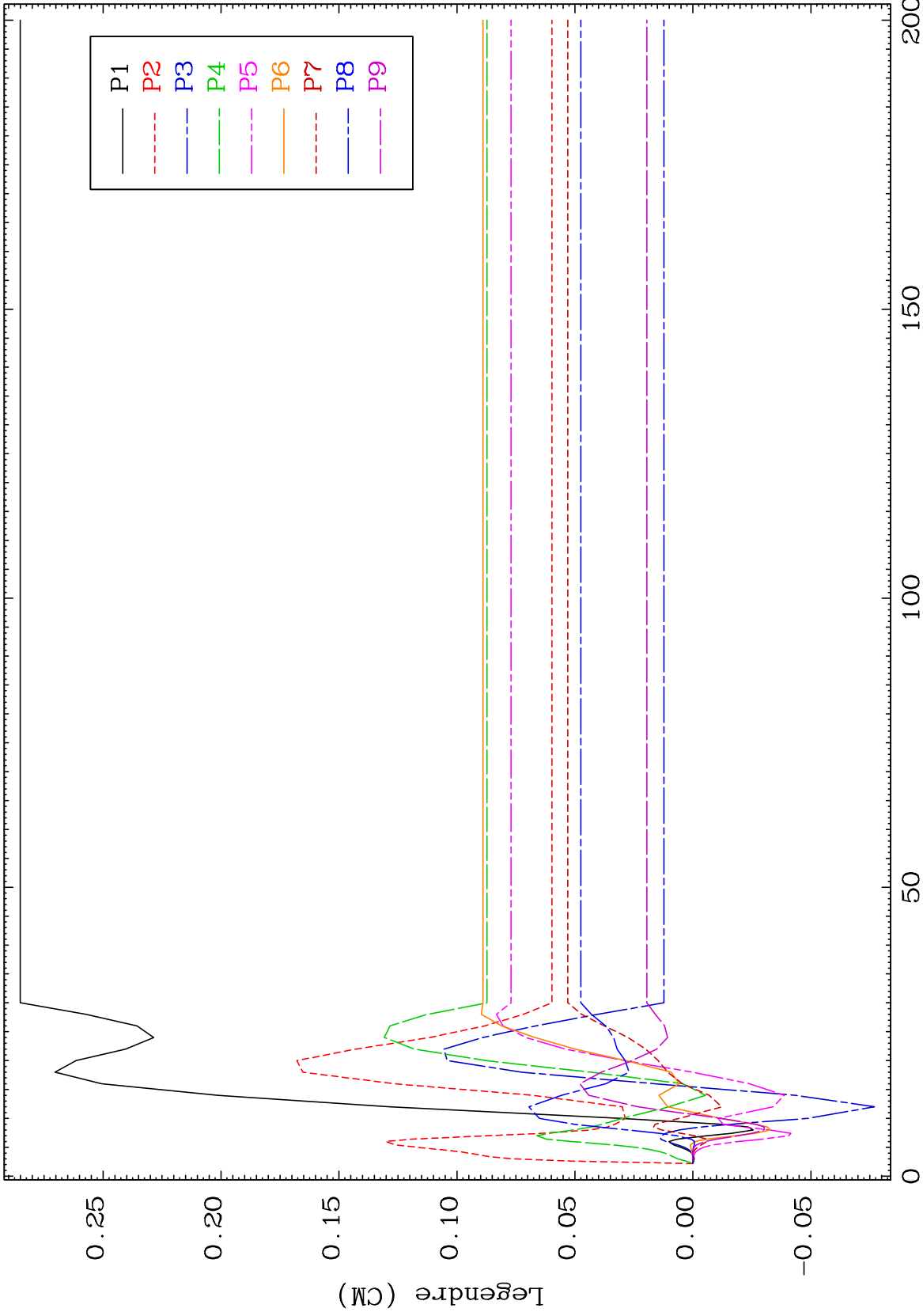
Incident Energy (MeV)

29

MAT 6225

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

62-Sm-144



62-Sm-144

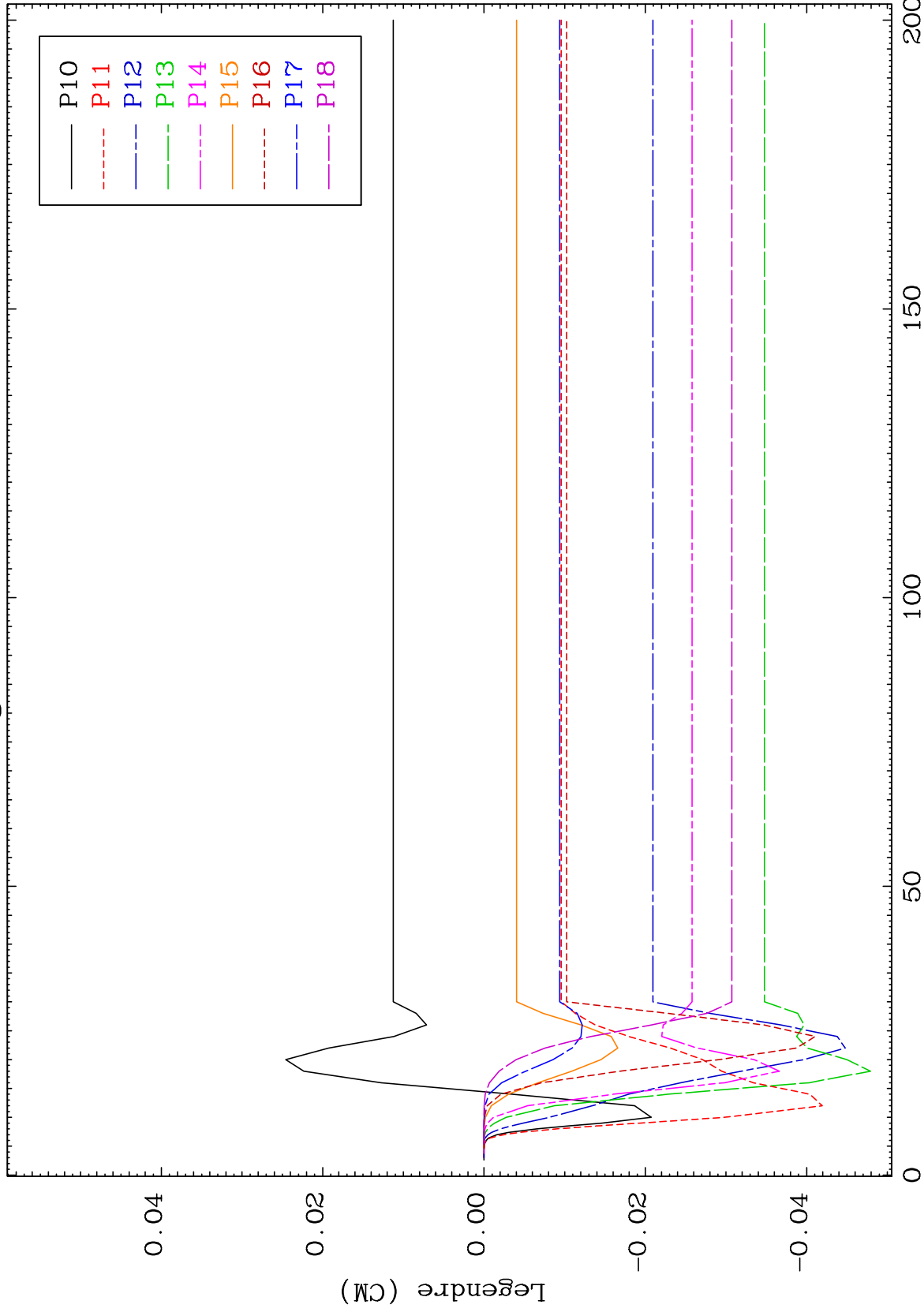
Incident Energy (MeV)

30

MAT 6225

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

62-Sm-144

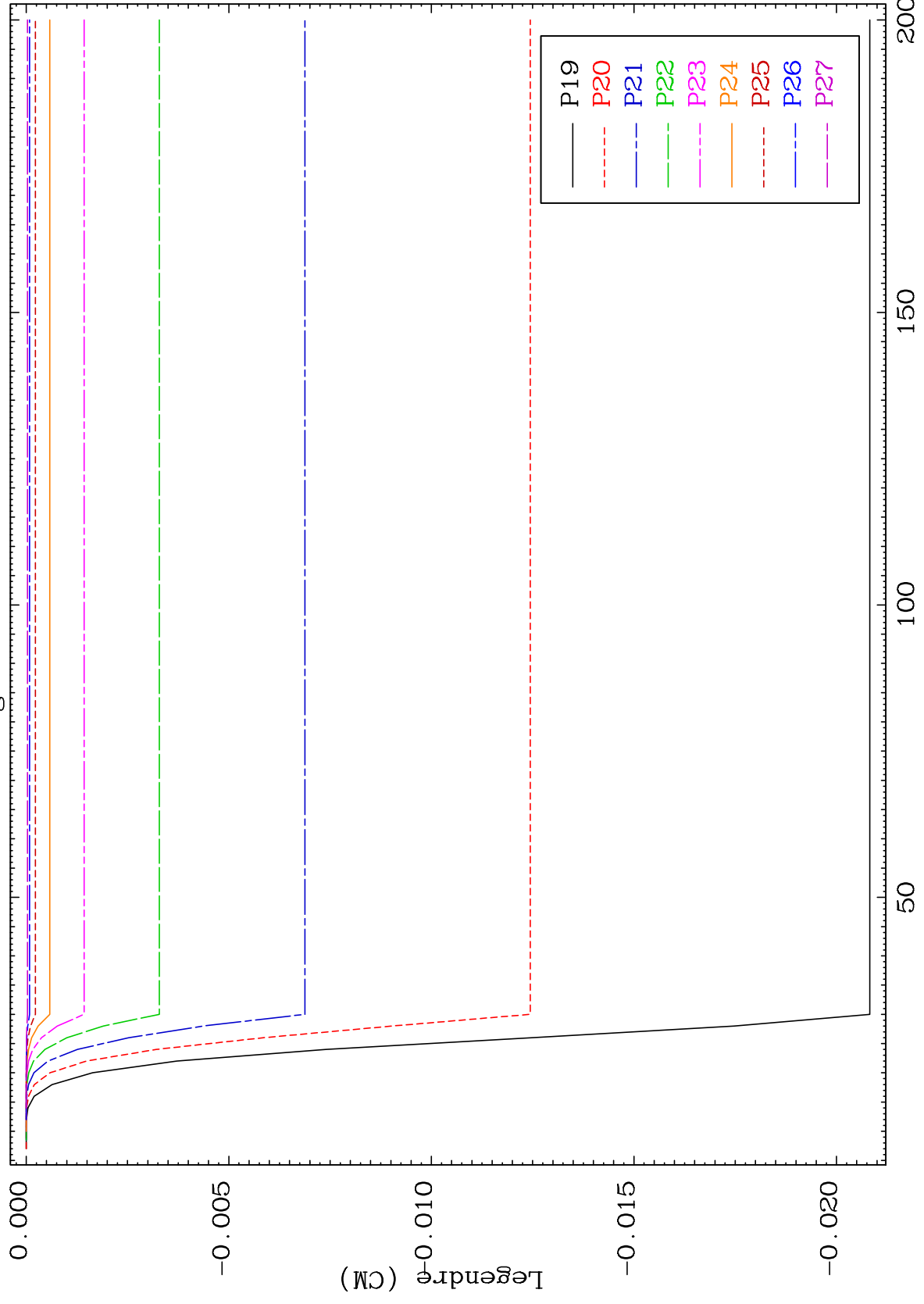


31

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 54 (n,n') Level Legendre Coefficients 62-Sm-144

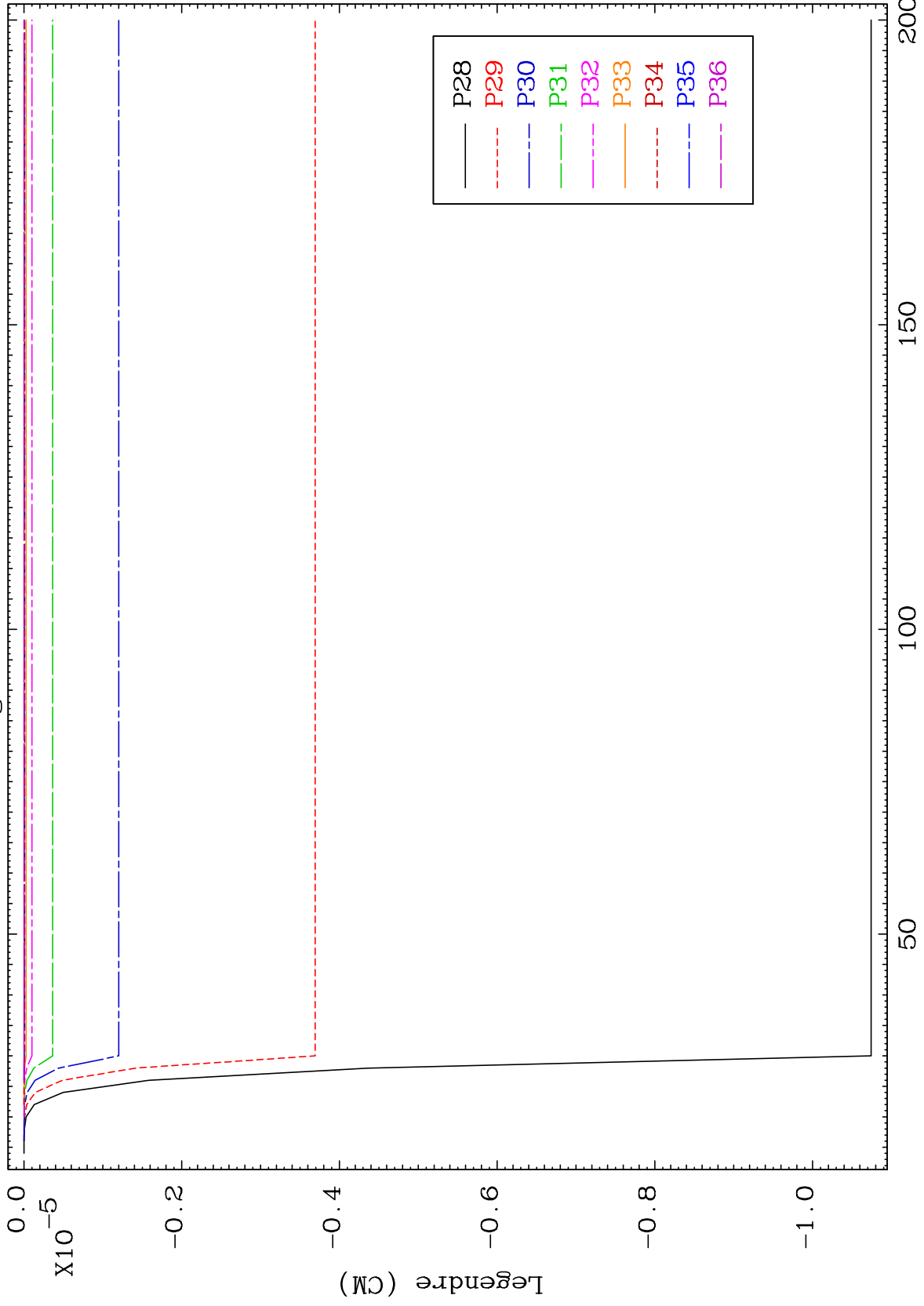


32 Incident Energy (MeV) 62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

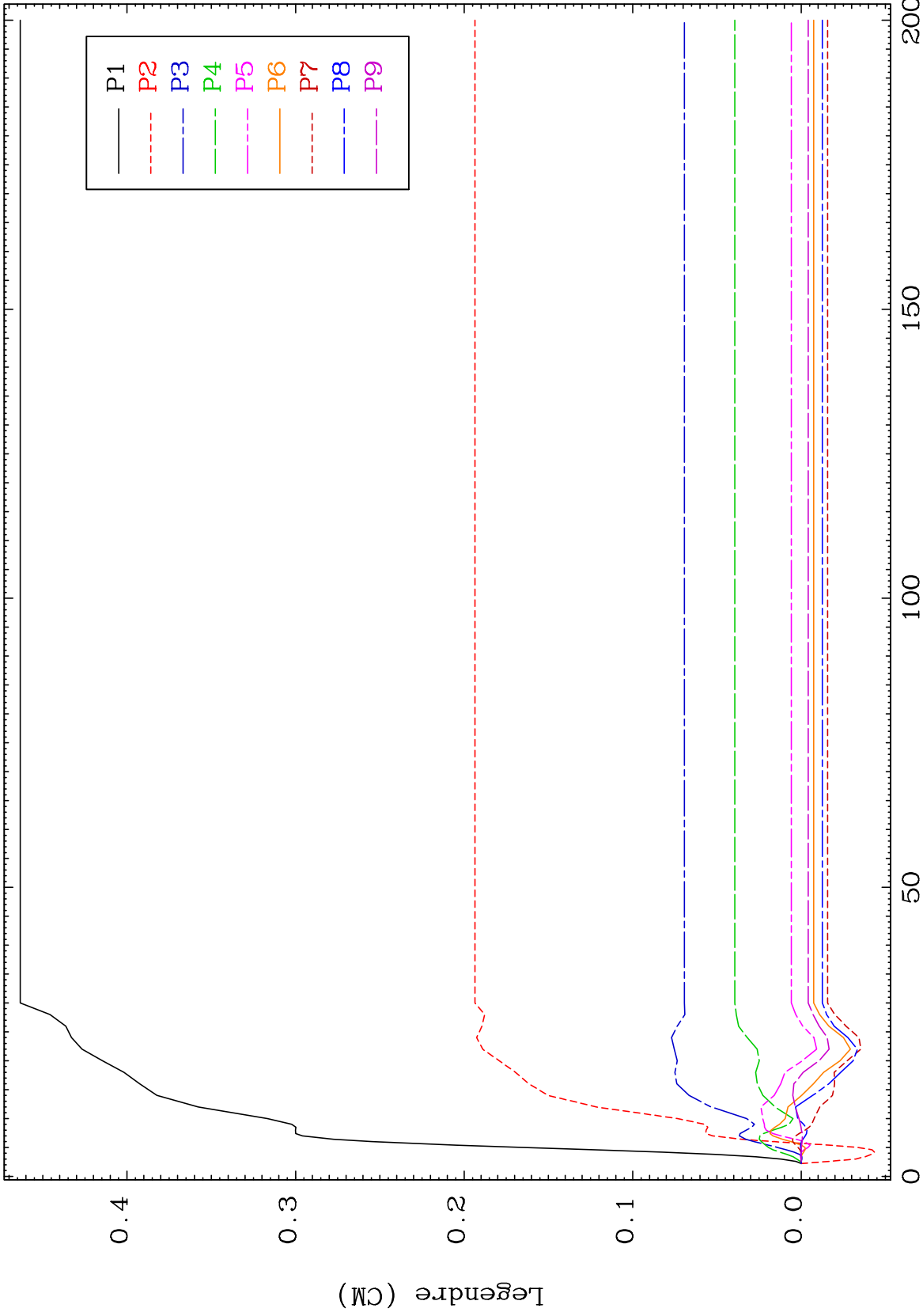
Incident Energy (MeV)

33

MAT 6225

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

62-Sm-144



34

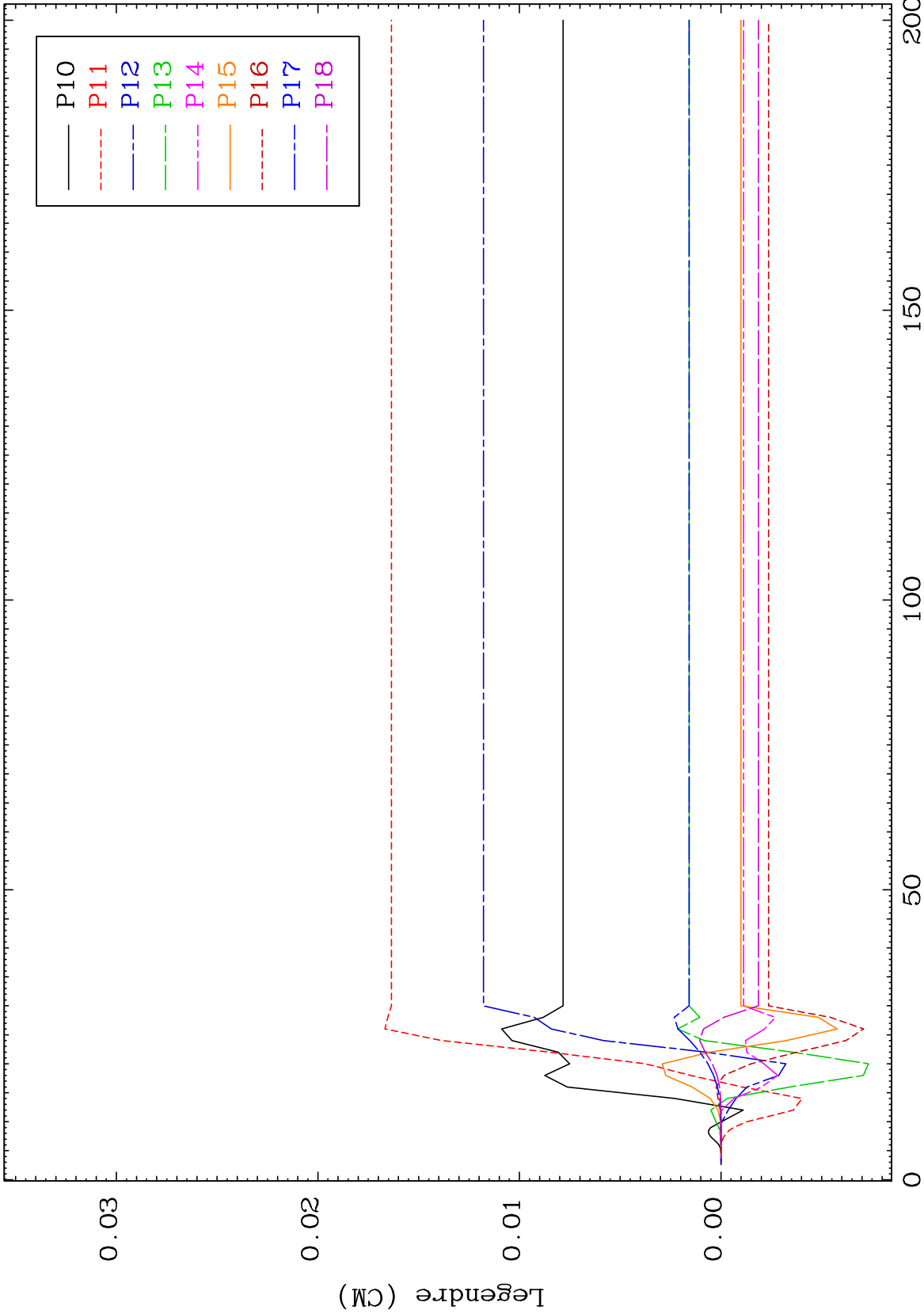
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



35

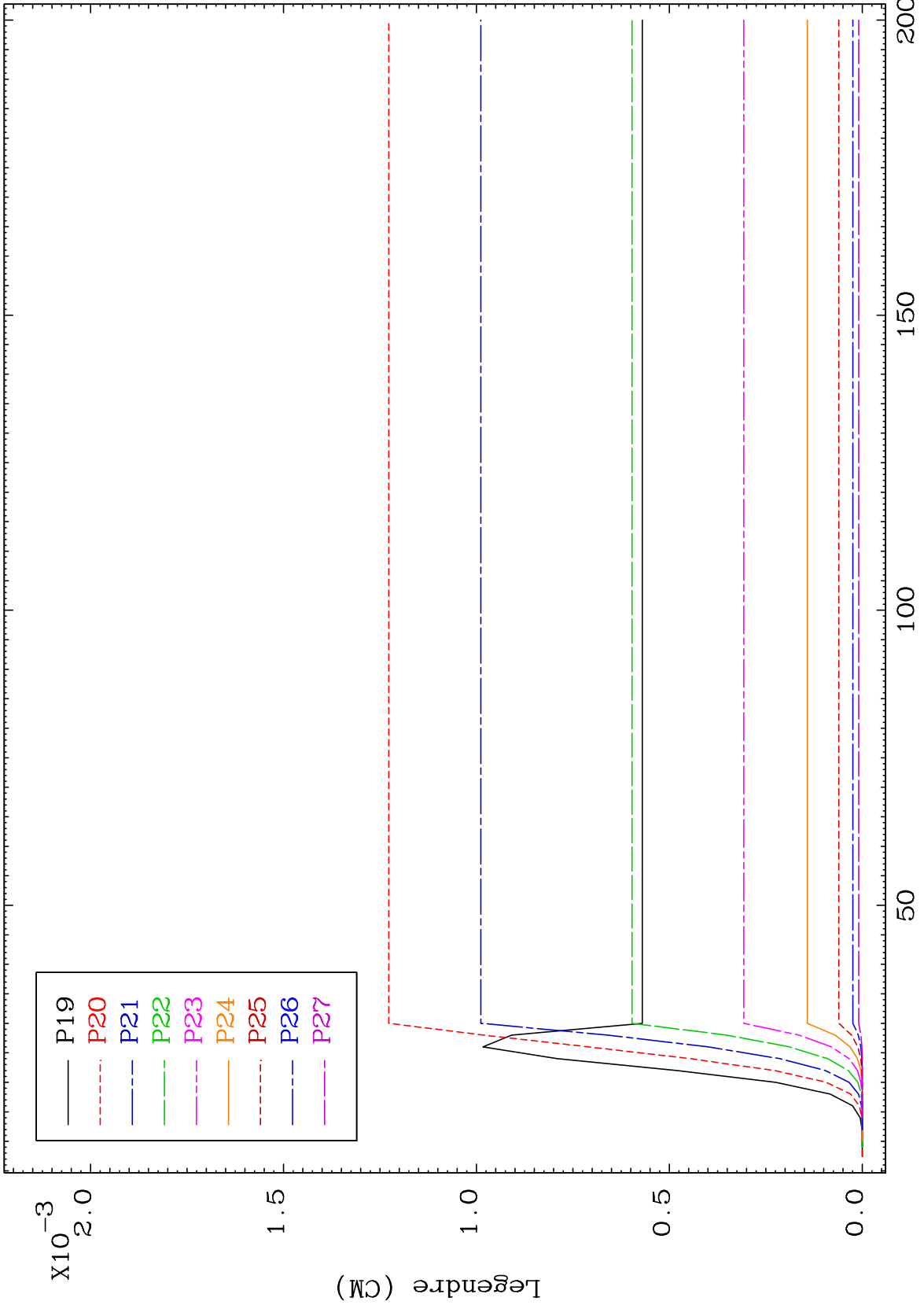
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



36

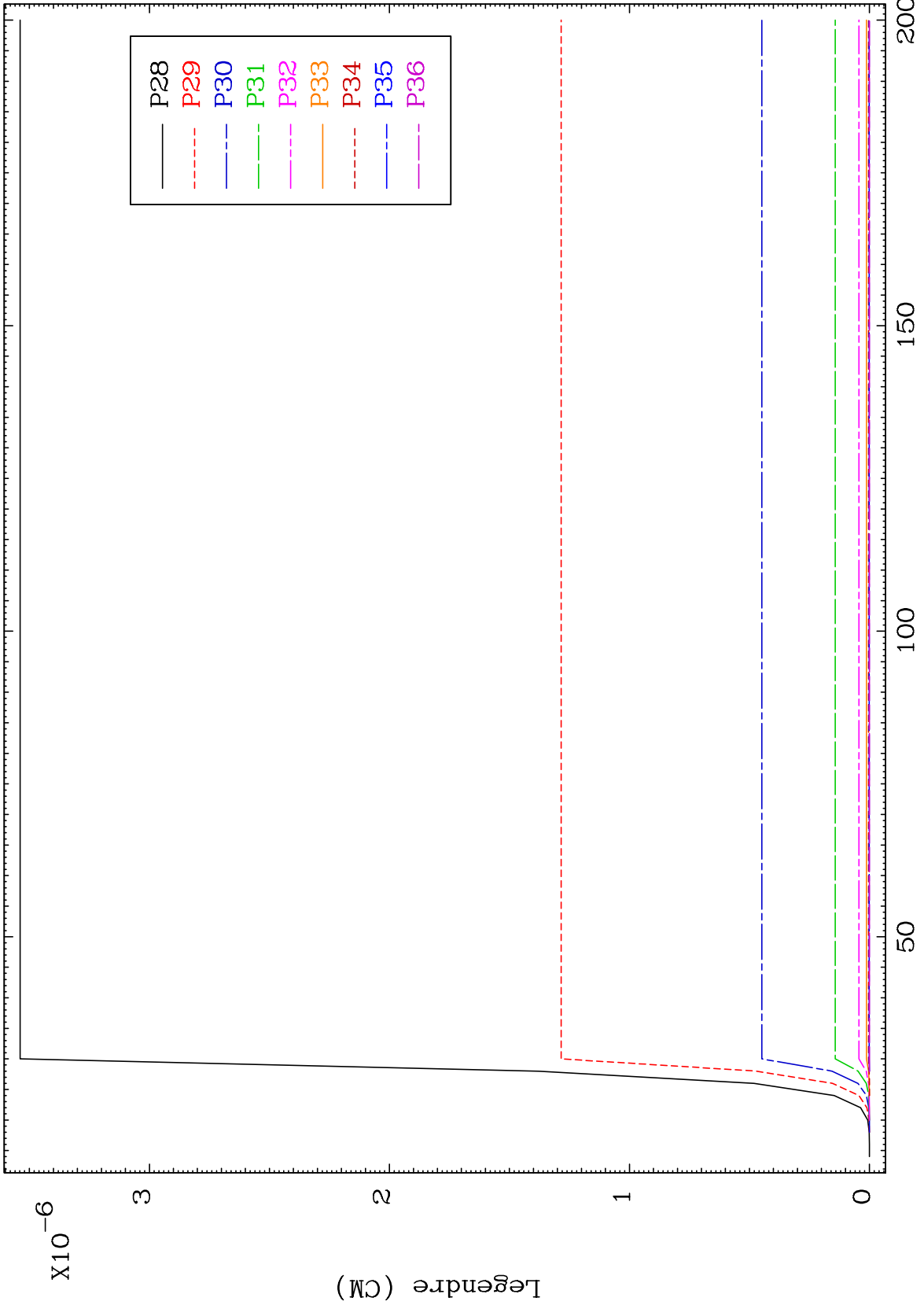
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



37

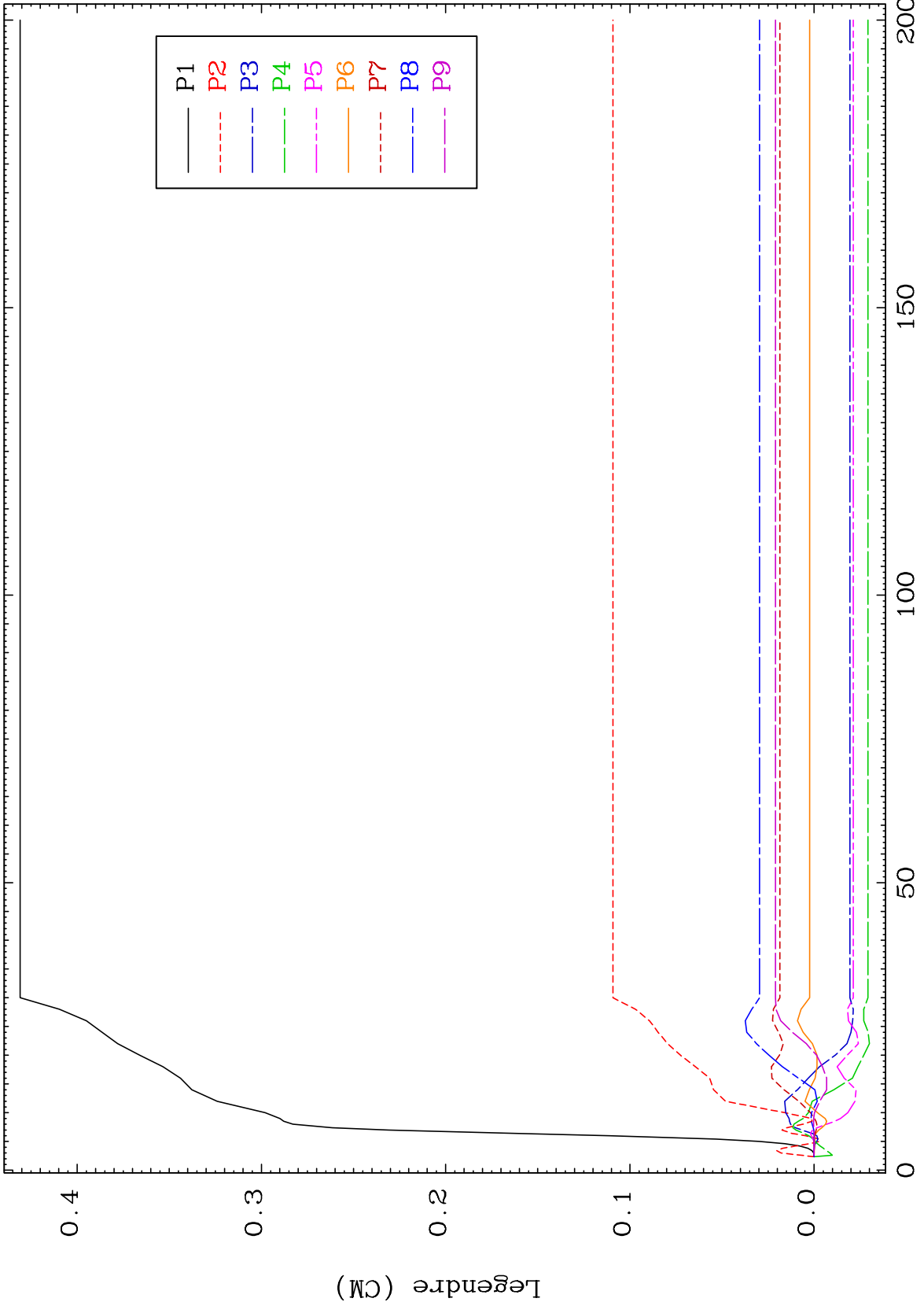
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



38

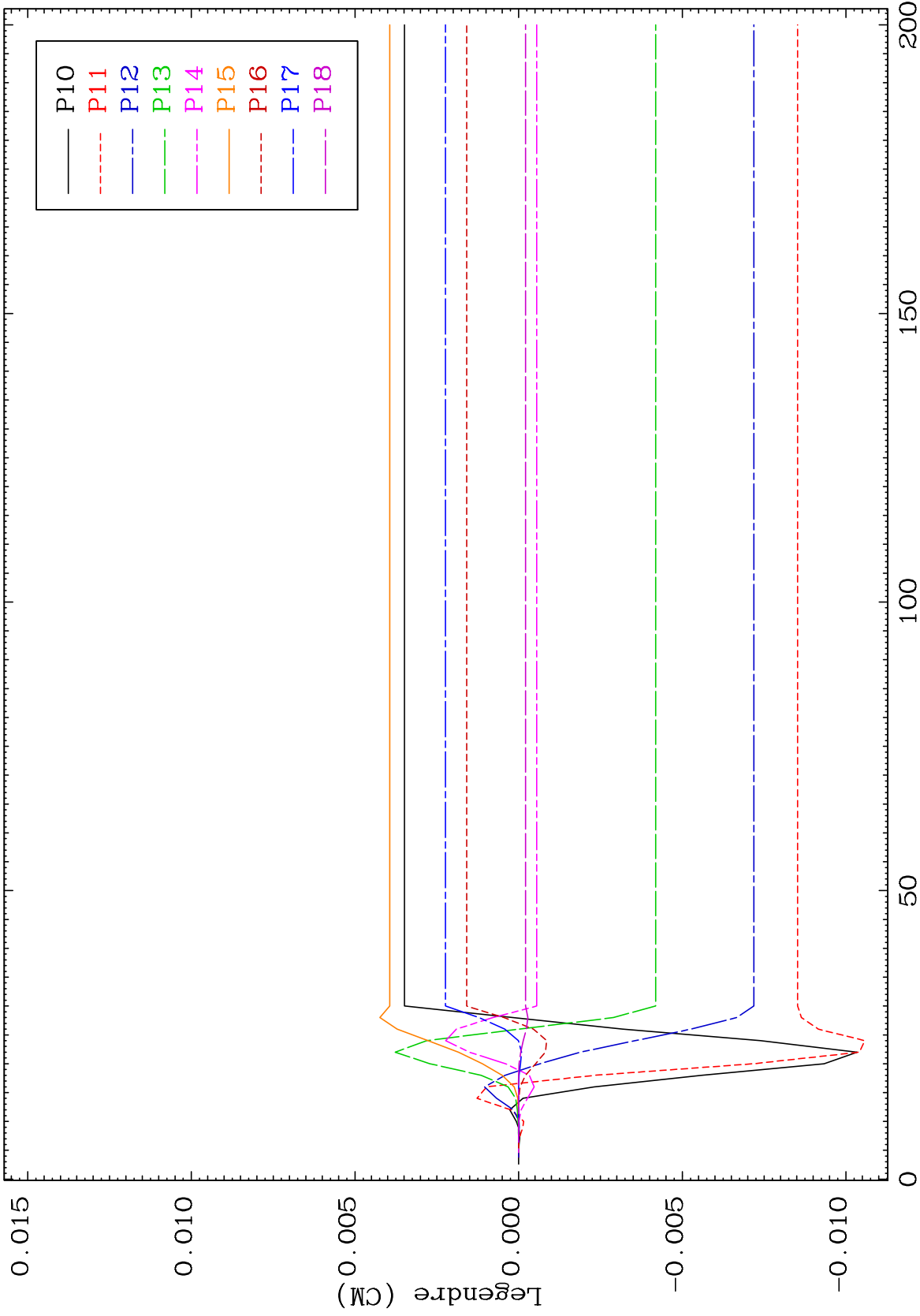
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



39

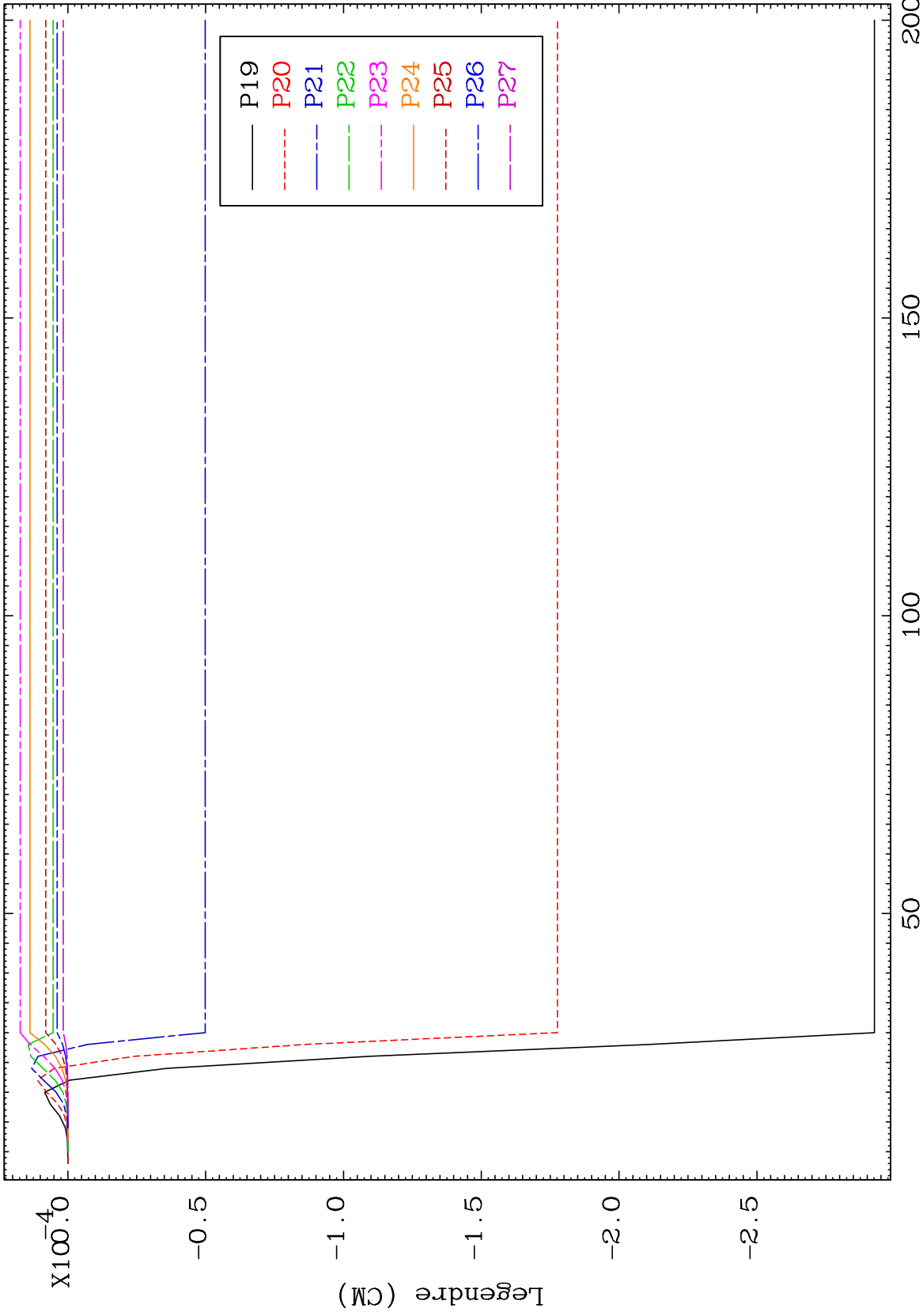
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



62-Sm-144

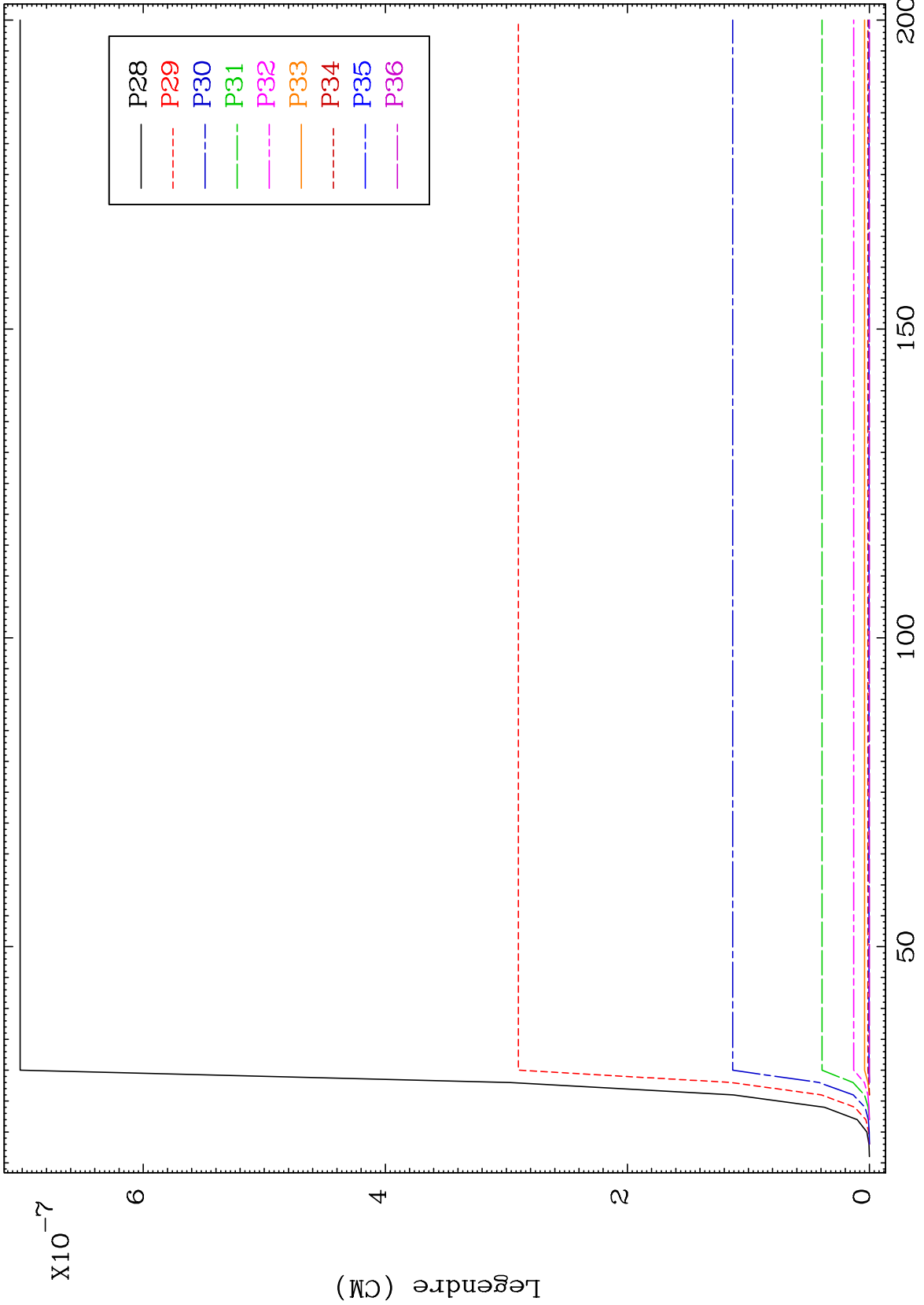
Incident Energy (MeV)

40

MAT 6225

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

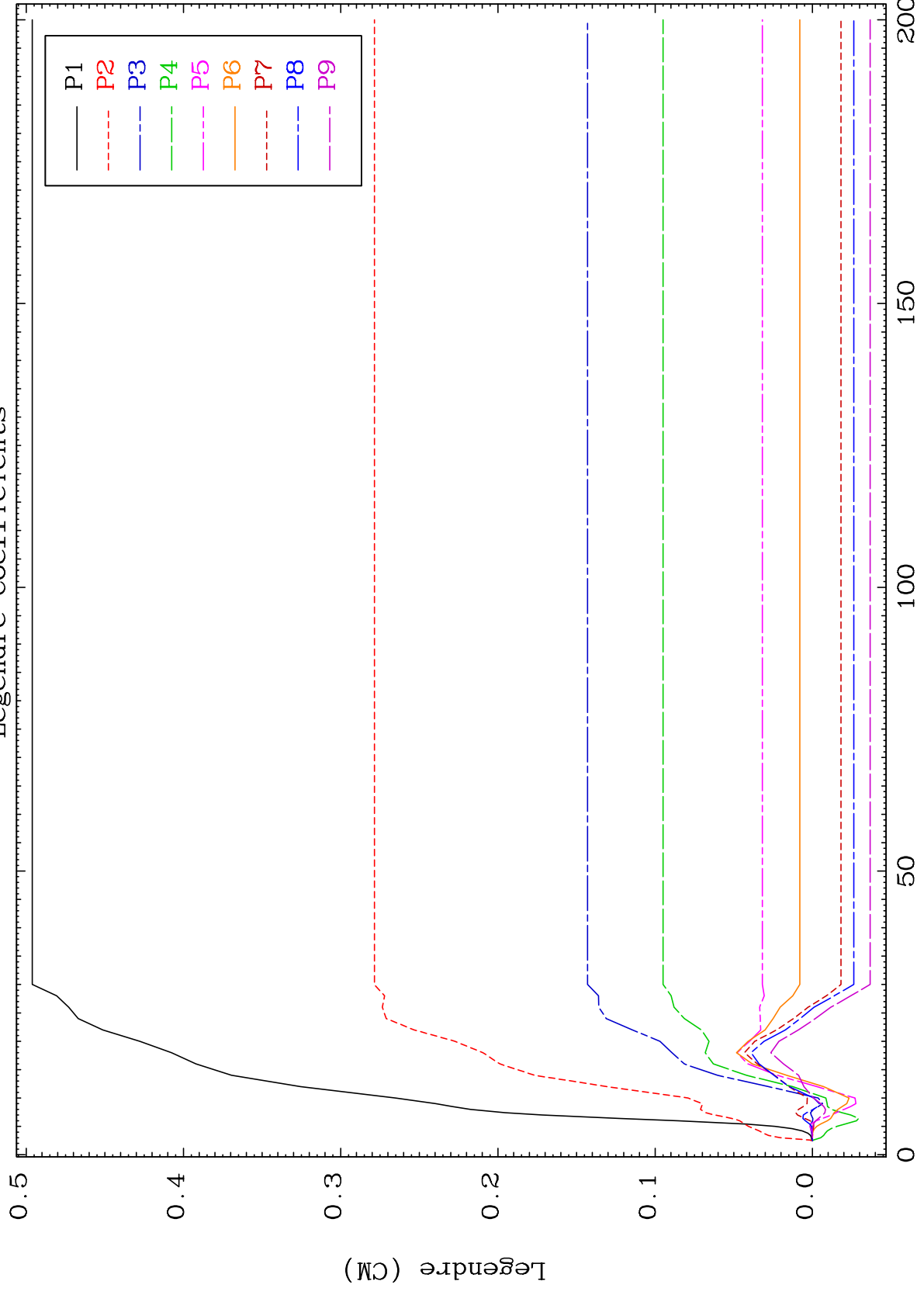
62-Sm-144



41

62-Sm-144

MAT 6225 MT= 57 (n,n') Level Legendre Coefficients 62-Sm-144

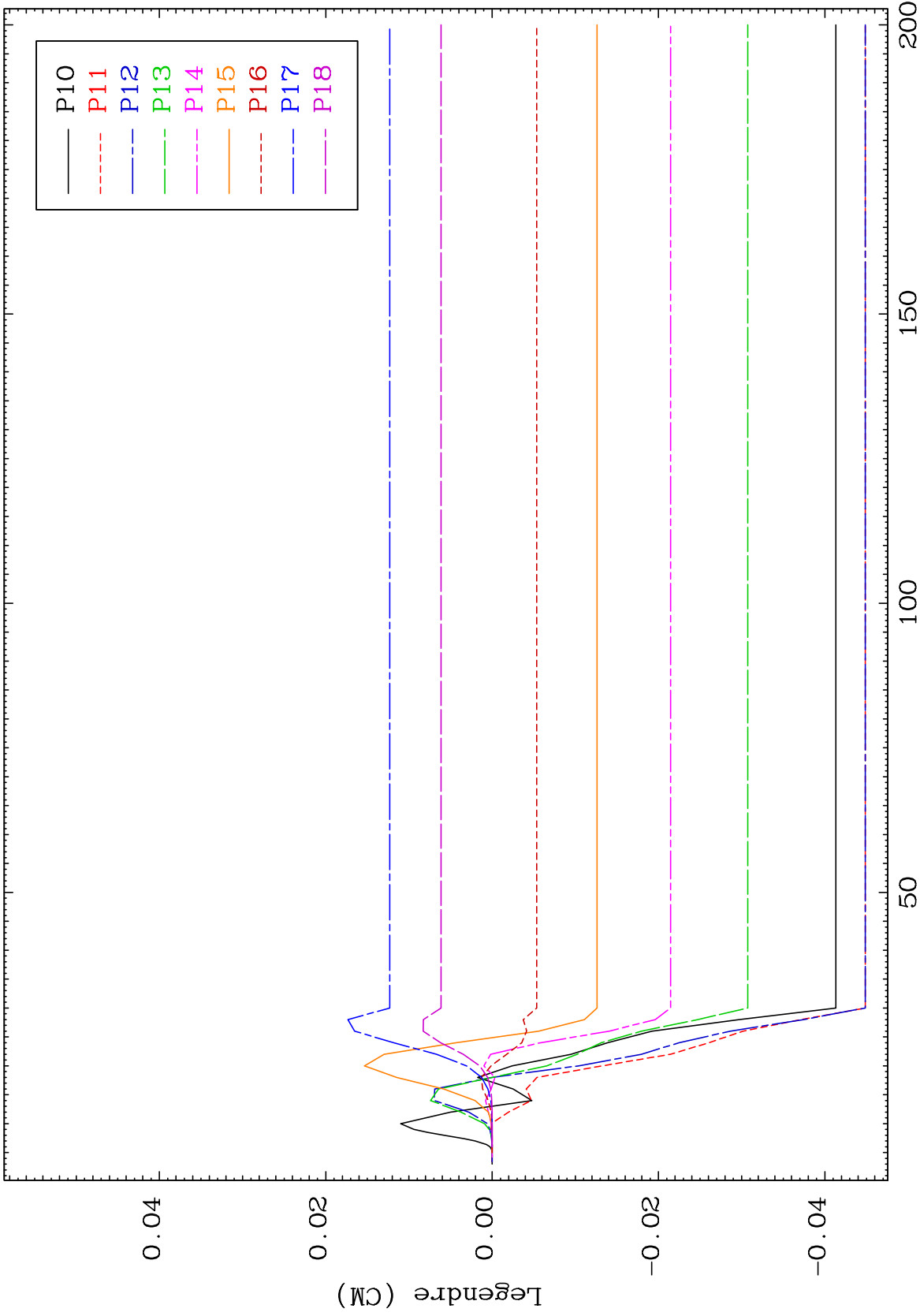


42 62-Sm-144

MAT 6225

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

62-Sm-144



43

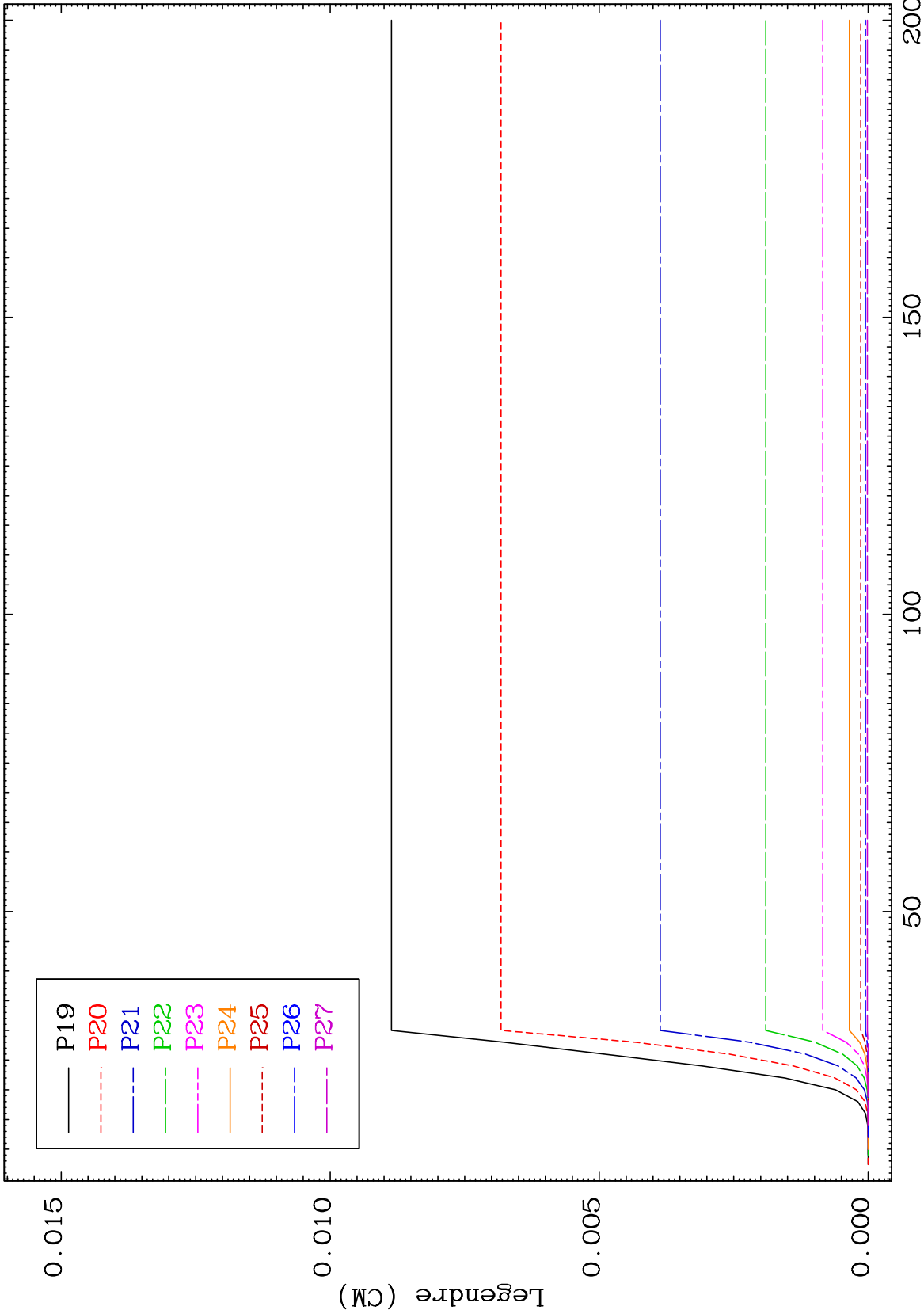
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

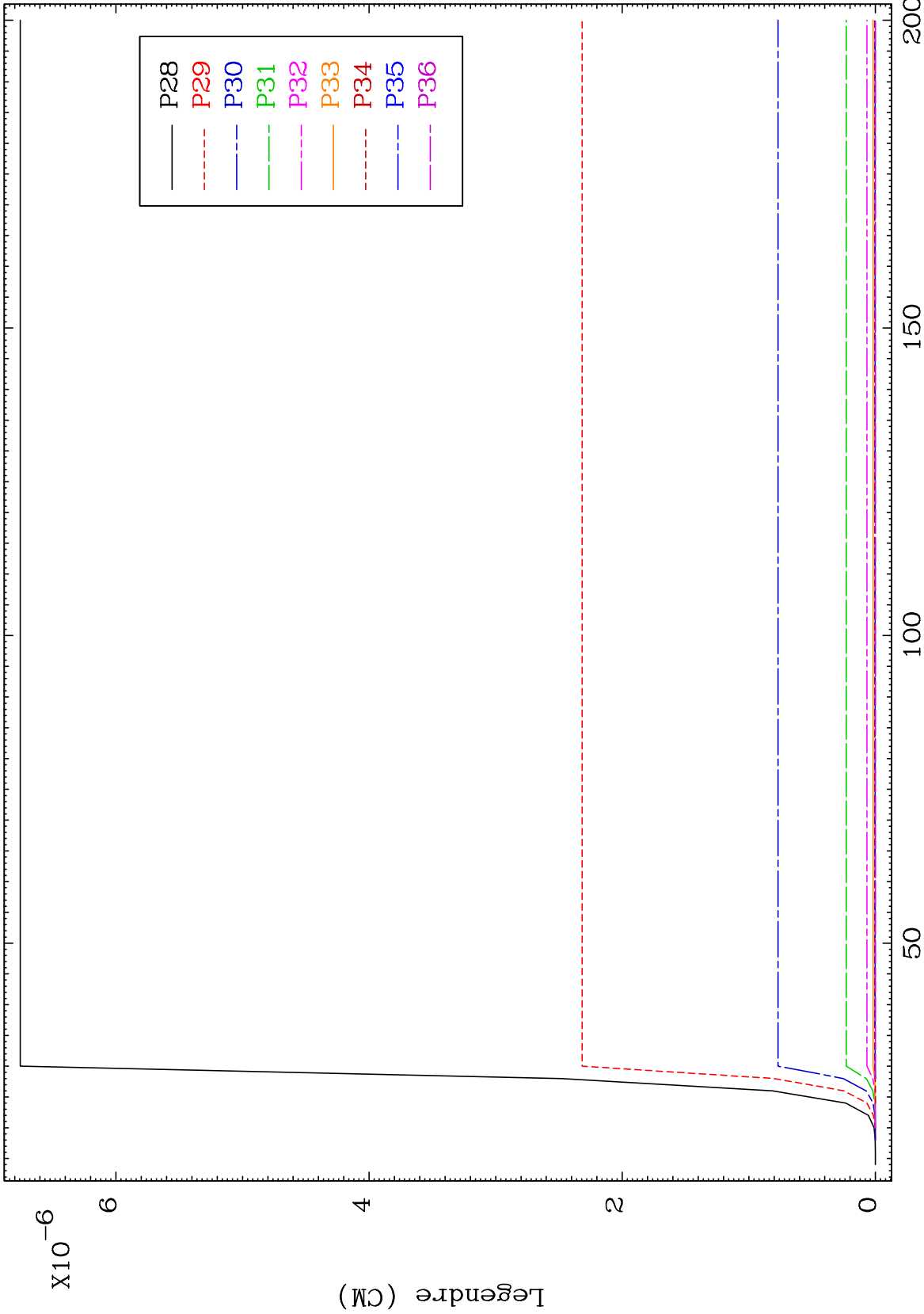
62-Sm-144



MAT 6225

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

62-Sm-144

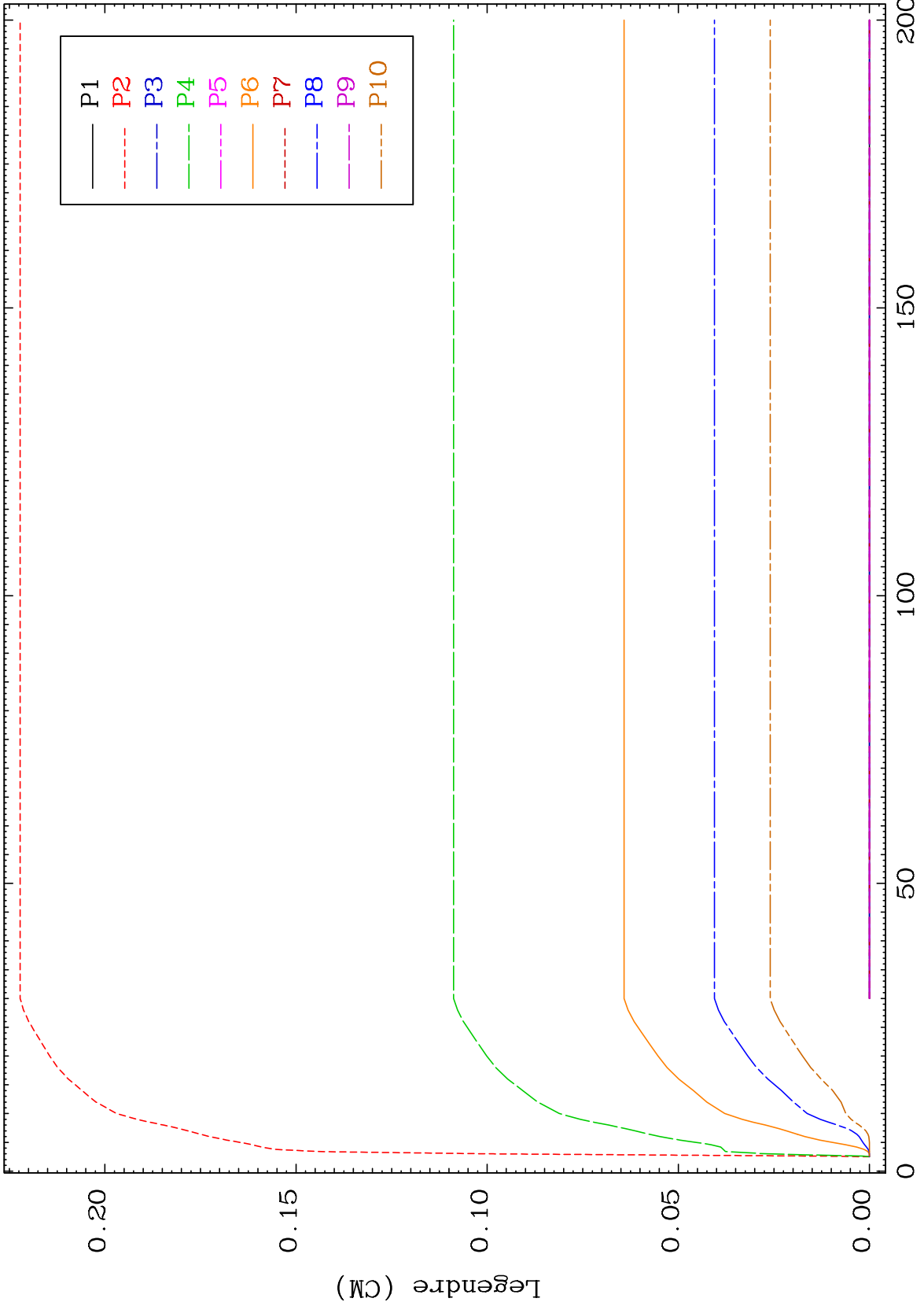


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Incident Energy (MeV)

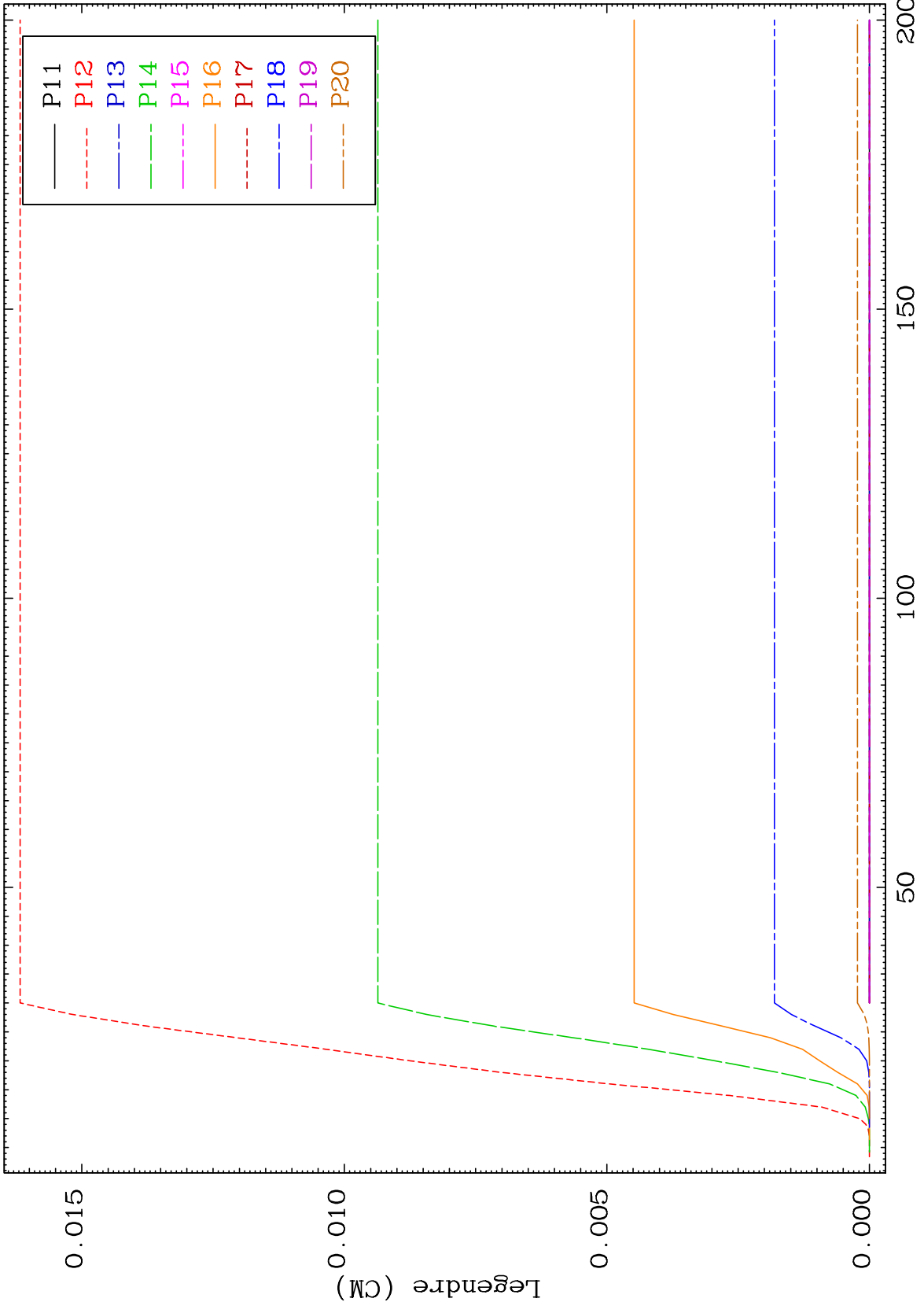
62-Sm-144

MAT 6225 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-144



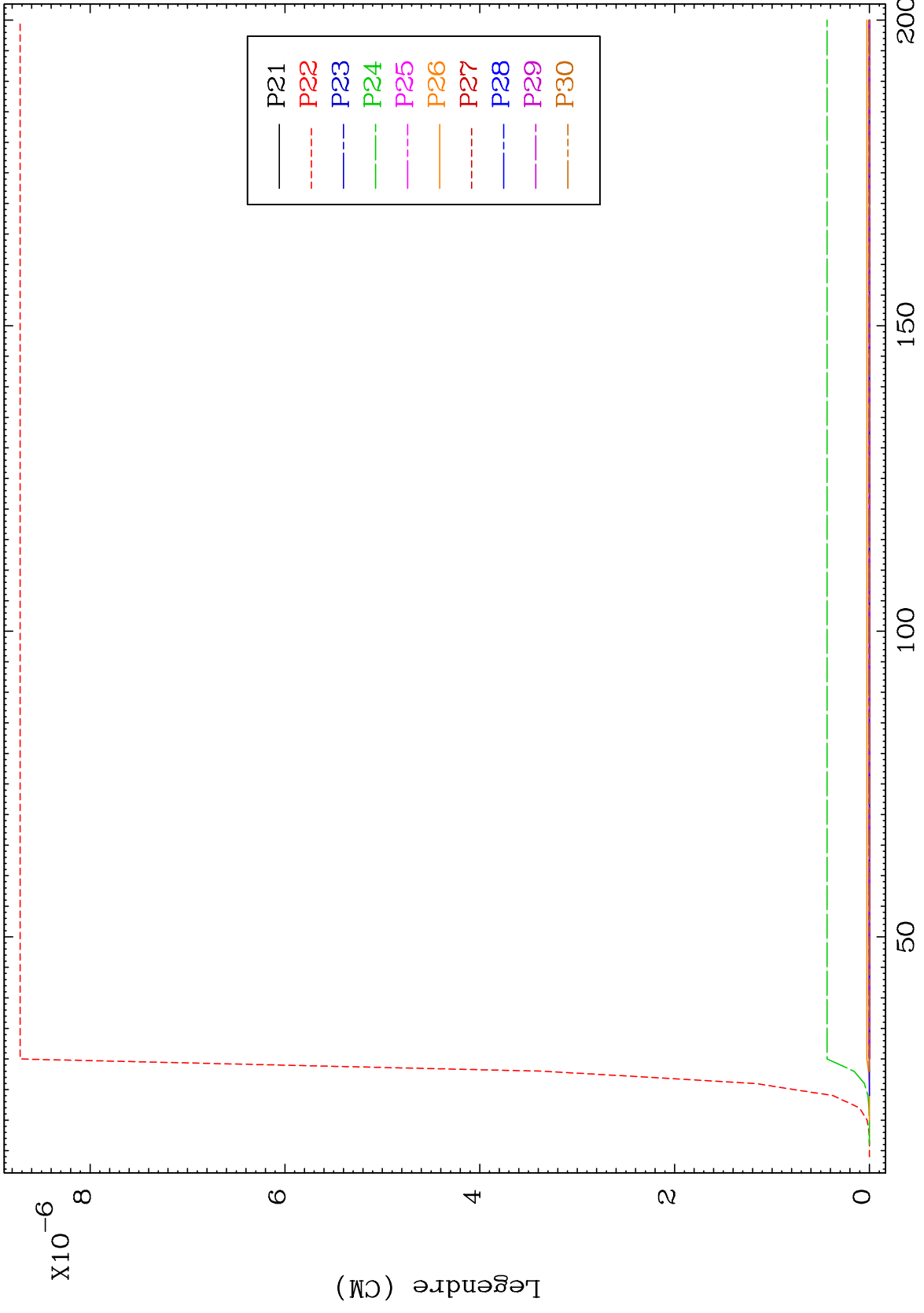
46 62-Sm-144

MAT 6225 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-144



47 Incident Energy (MeV) 62-Sm-144

MAT 6225 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-144

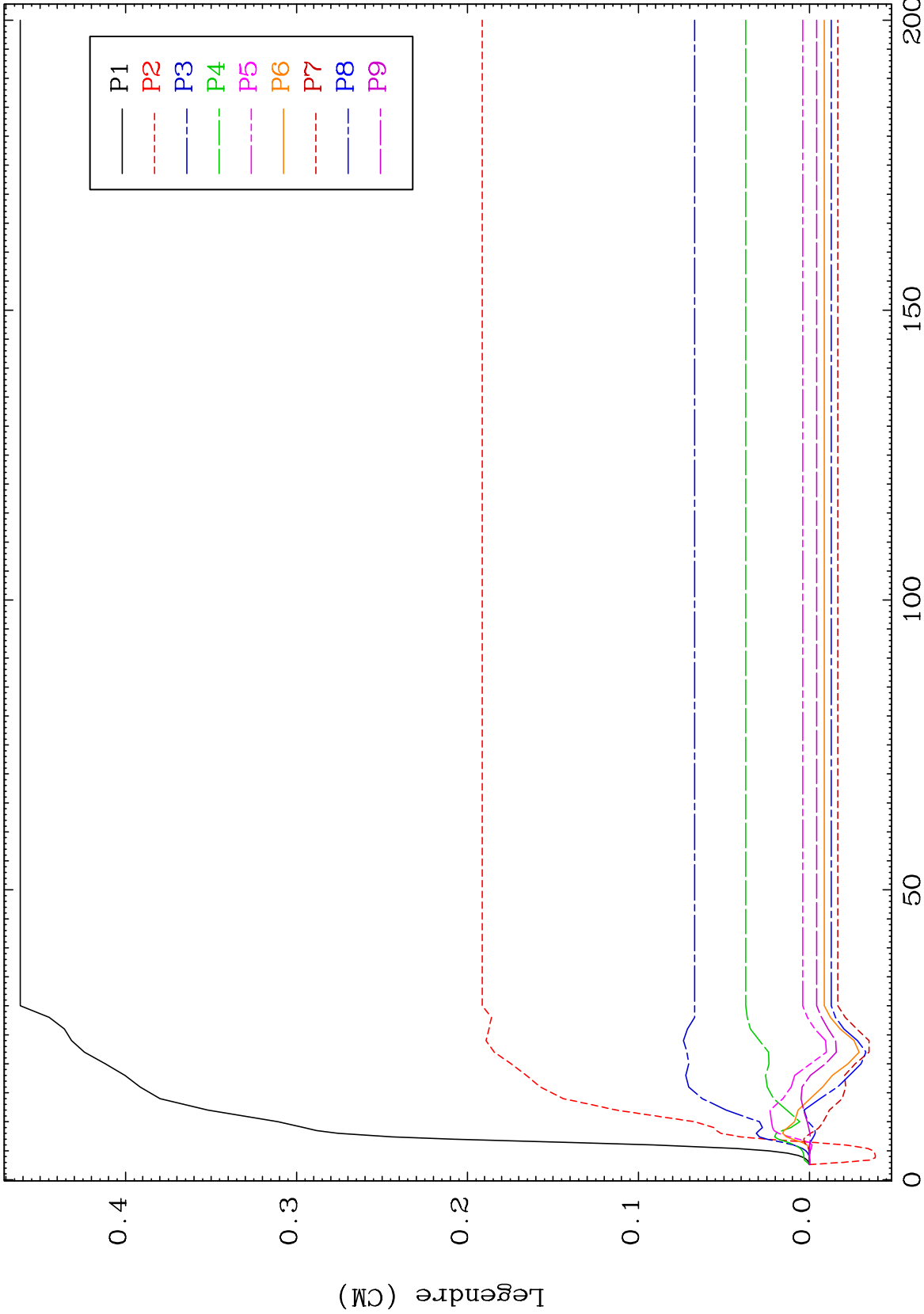


48 50 100 150 200 62-Sm-144

MAT 6225

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

62-Sm-144



49

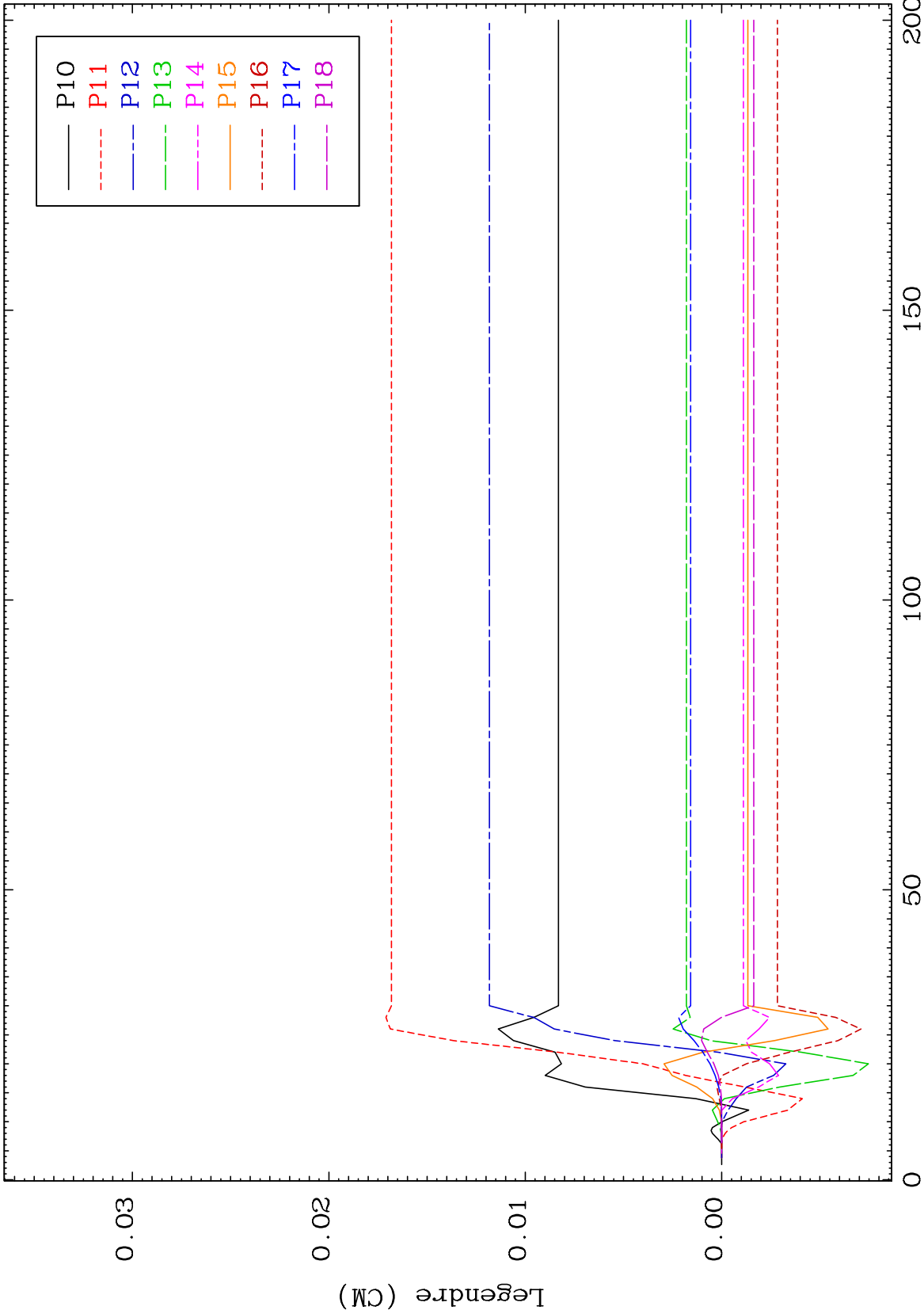
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



50

50

100

150

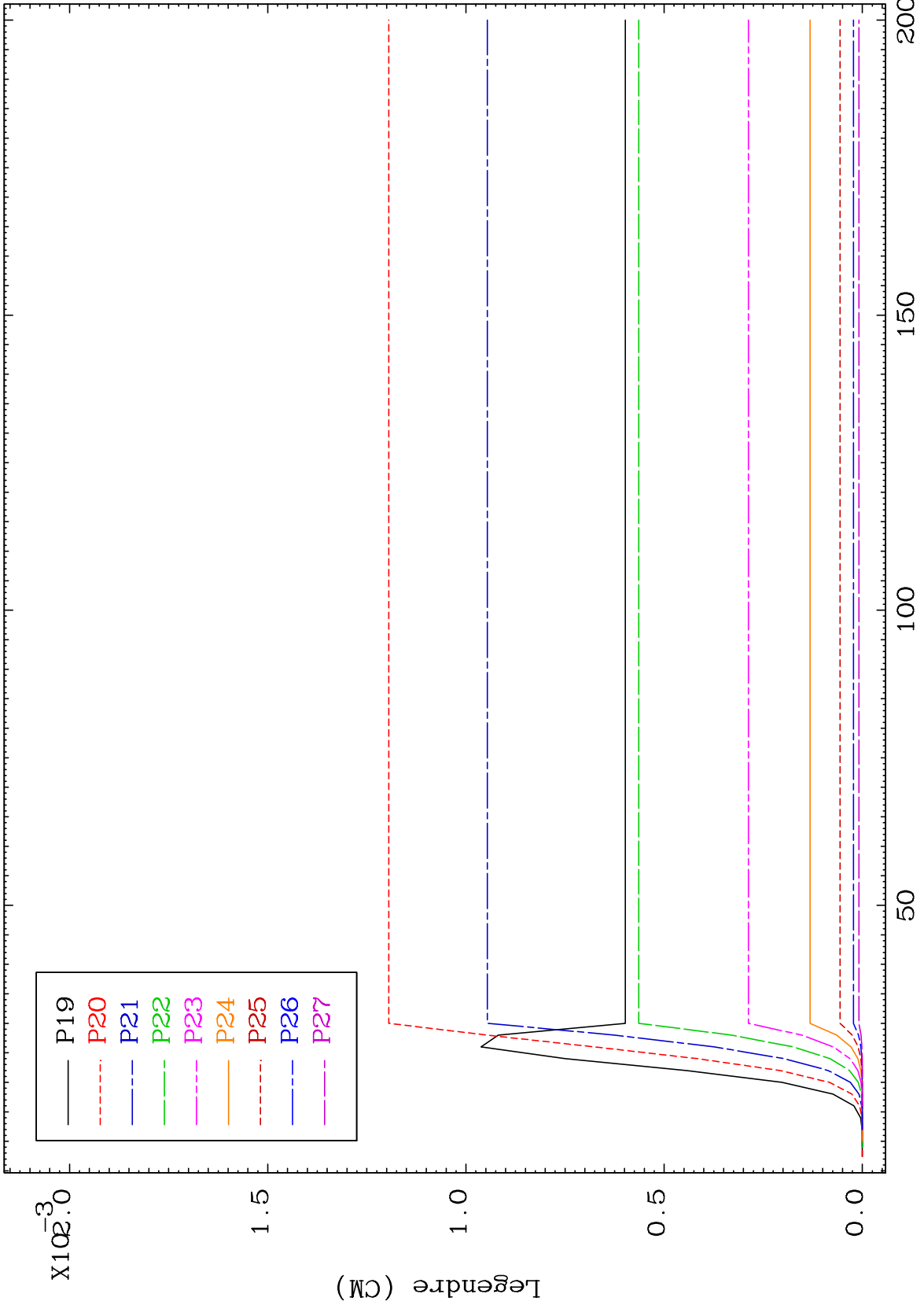
200

62-Sm-144

MAT 6225

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

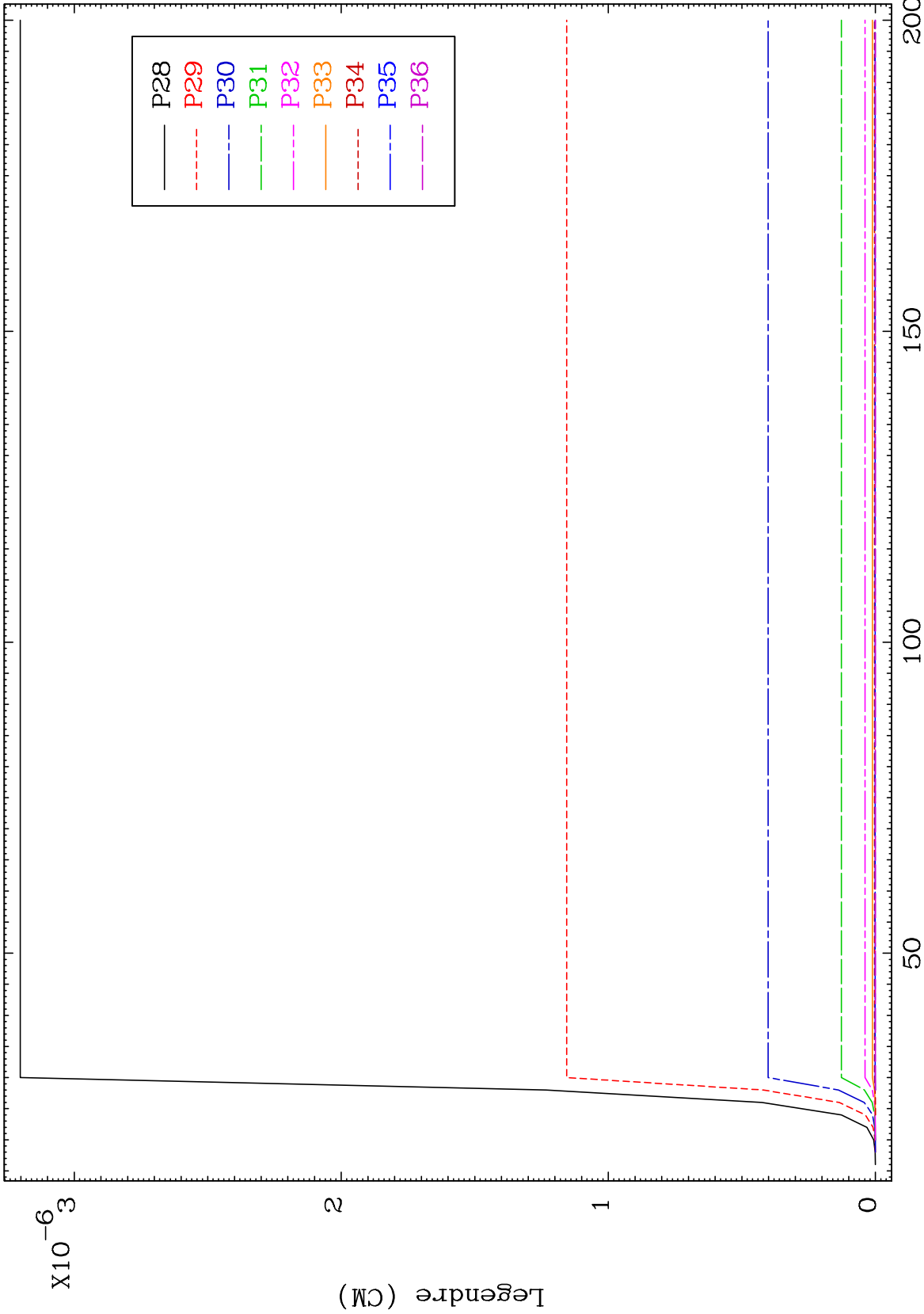
62-Sm-144



MAT 6225

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

62-Sm-144

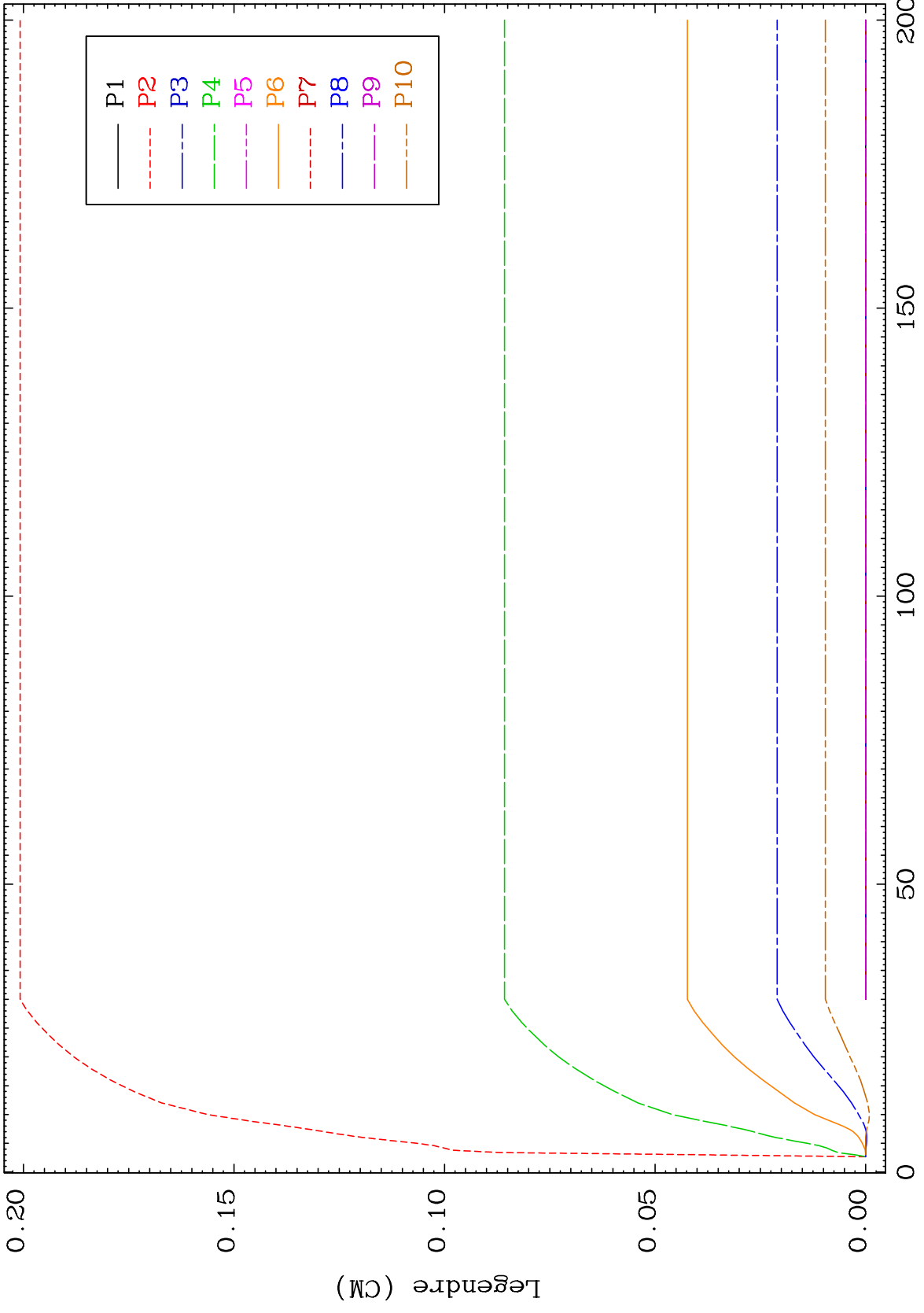


52

Incident Energy (MeV)

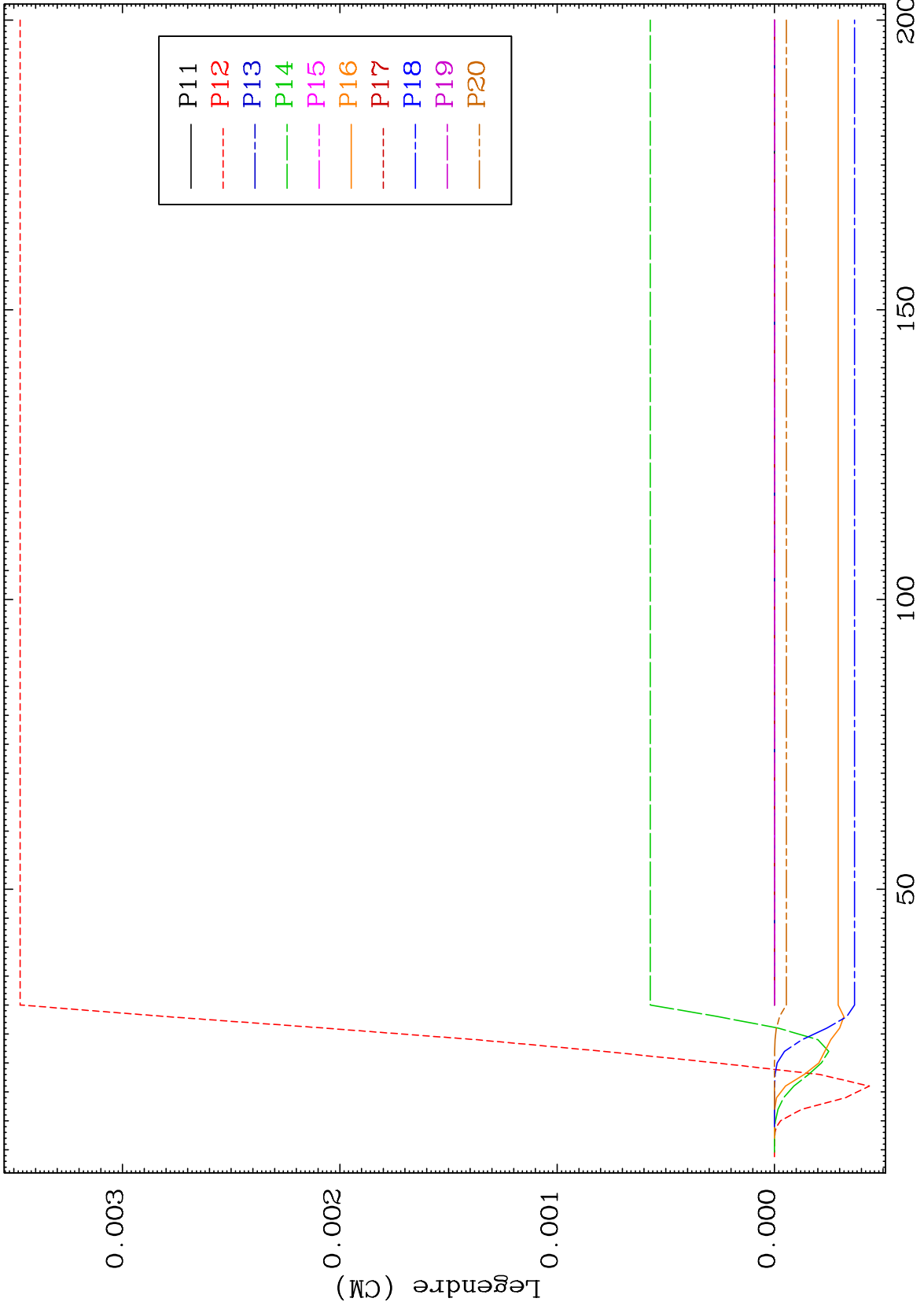
62-Sm-144

MAT 6225 MT= 60 (n,n') Level Legendre Coefficients 62-Sm-144



53 62-Sm-144

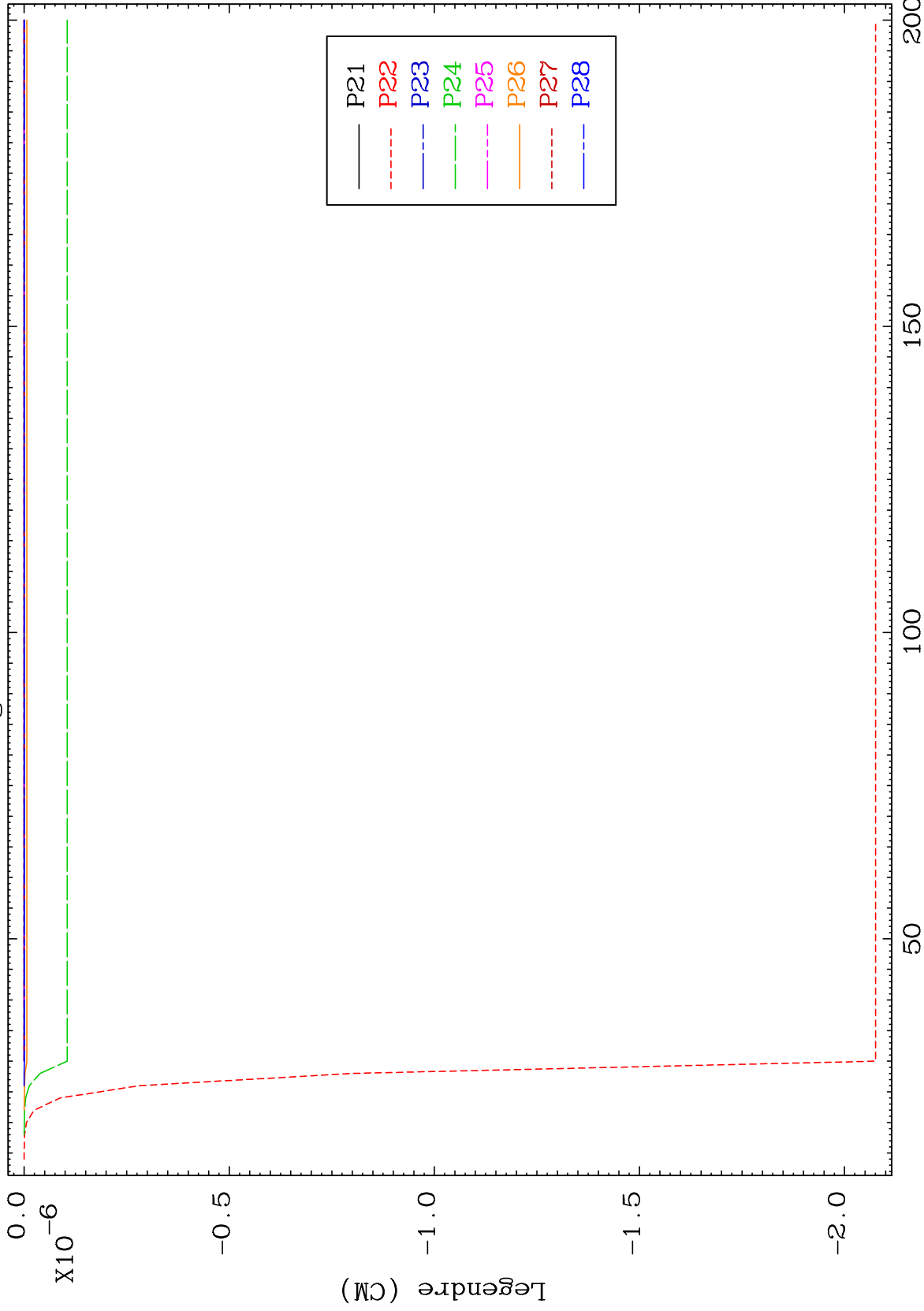
MAT 6225 MT= 60 (n,n') Level Legendre Coefficients 62-Sm-144



54 62-Sm-144

MAT 6225 MT= 60 (n, n') Level 62-Sm-144

Legendre Coefficients



62-Sm-144

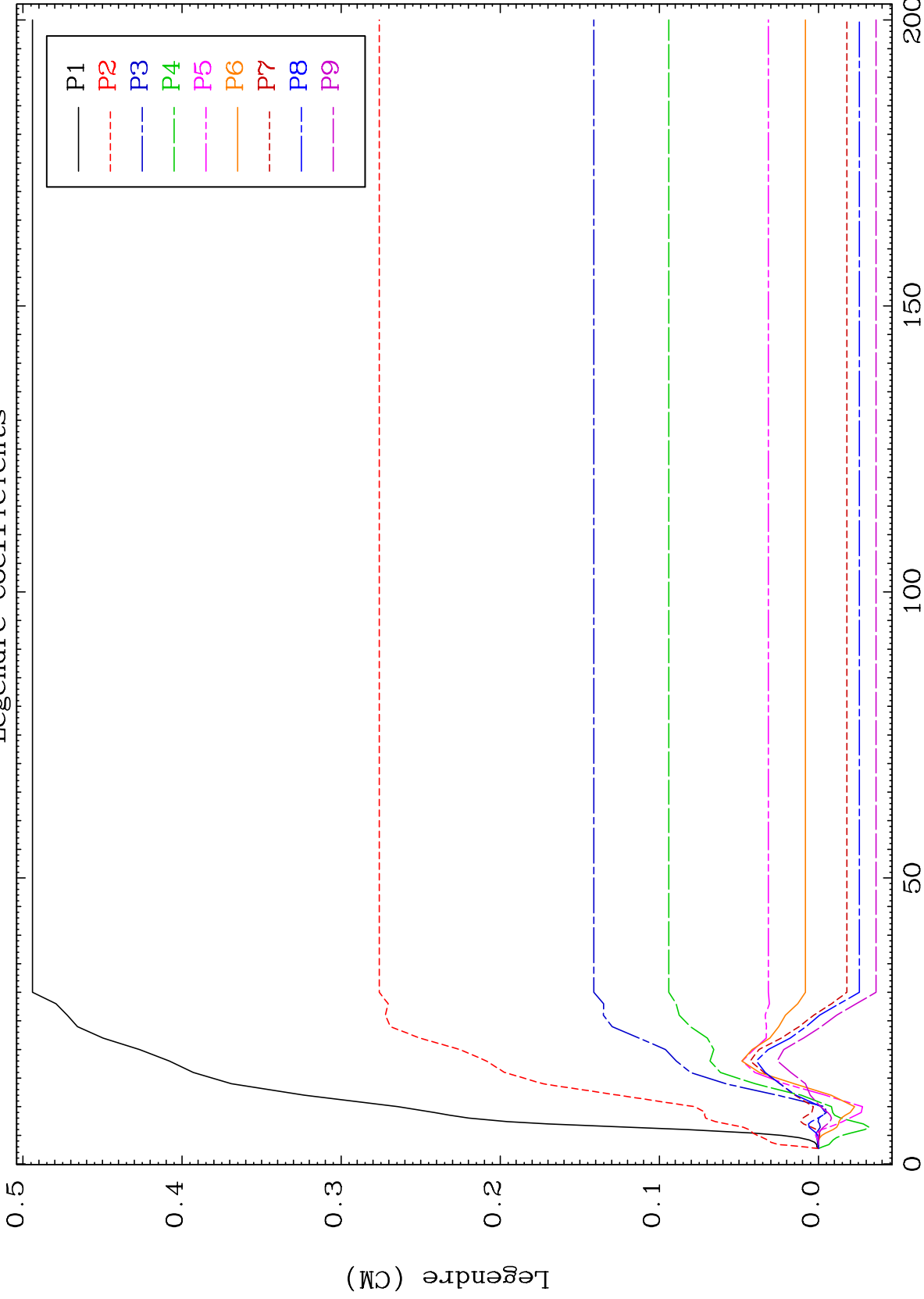
Incident Energy (MeV)

55

MAT 6225

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

62-Sm-144



62-Sm-144

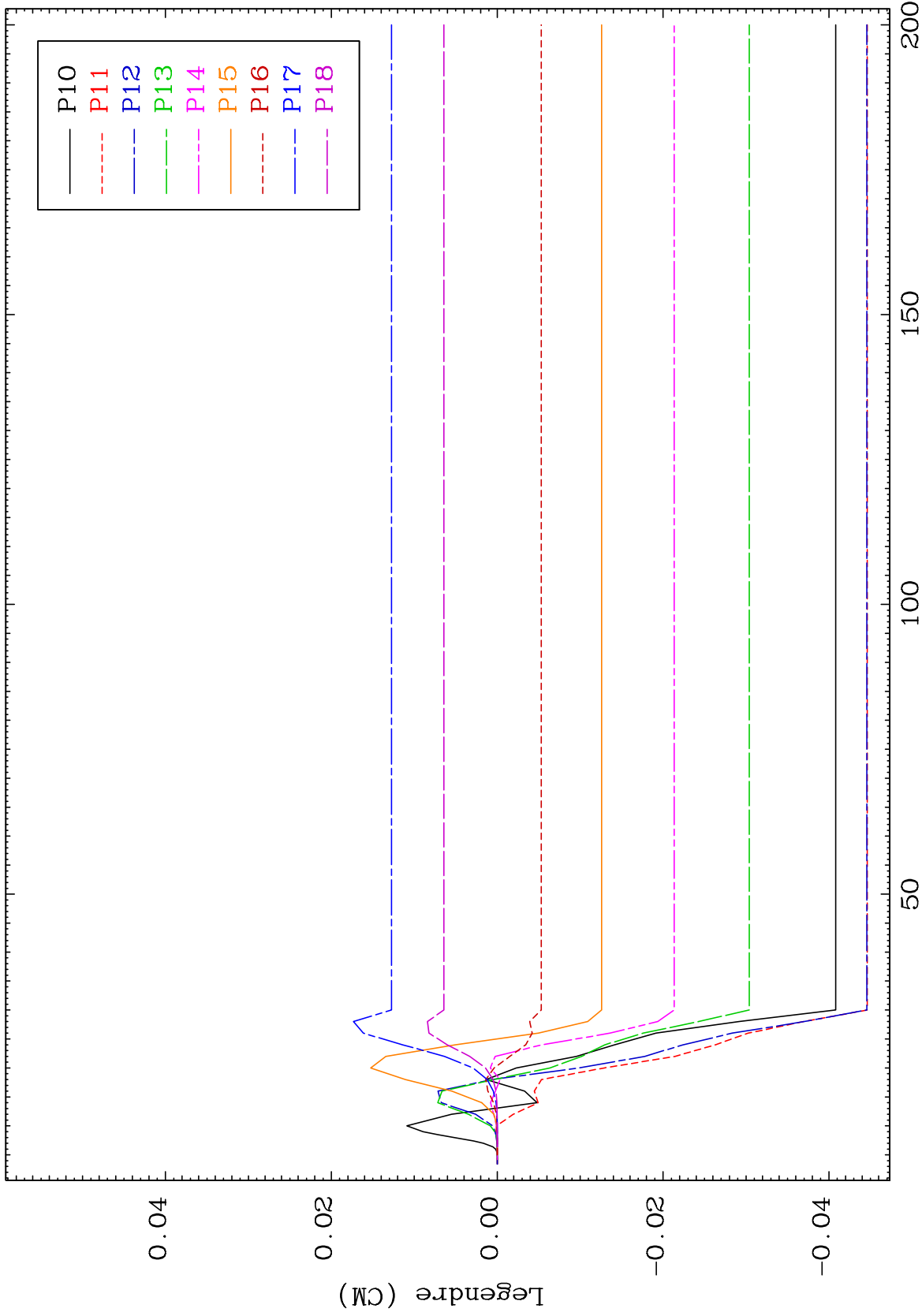
Incident Energy (MeV)

56

MAT 6225

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

62-Sm-144



57

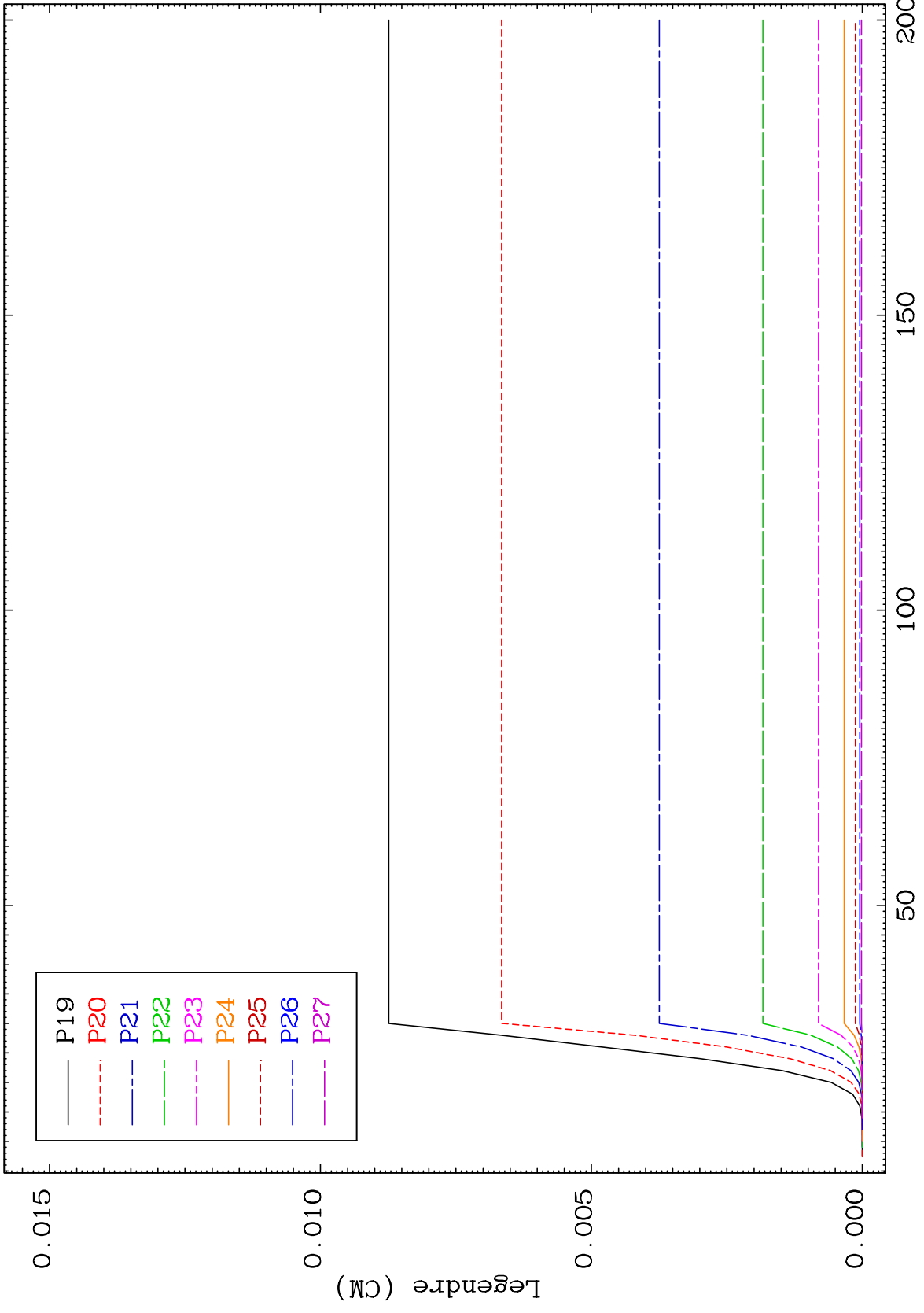
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



58

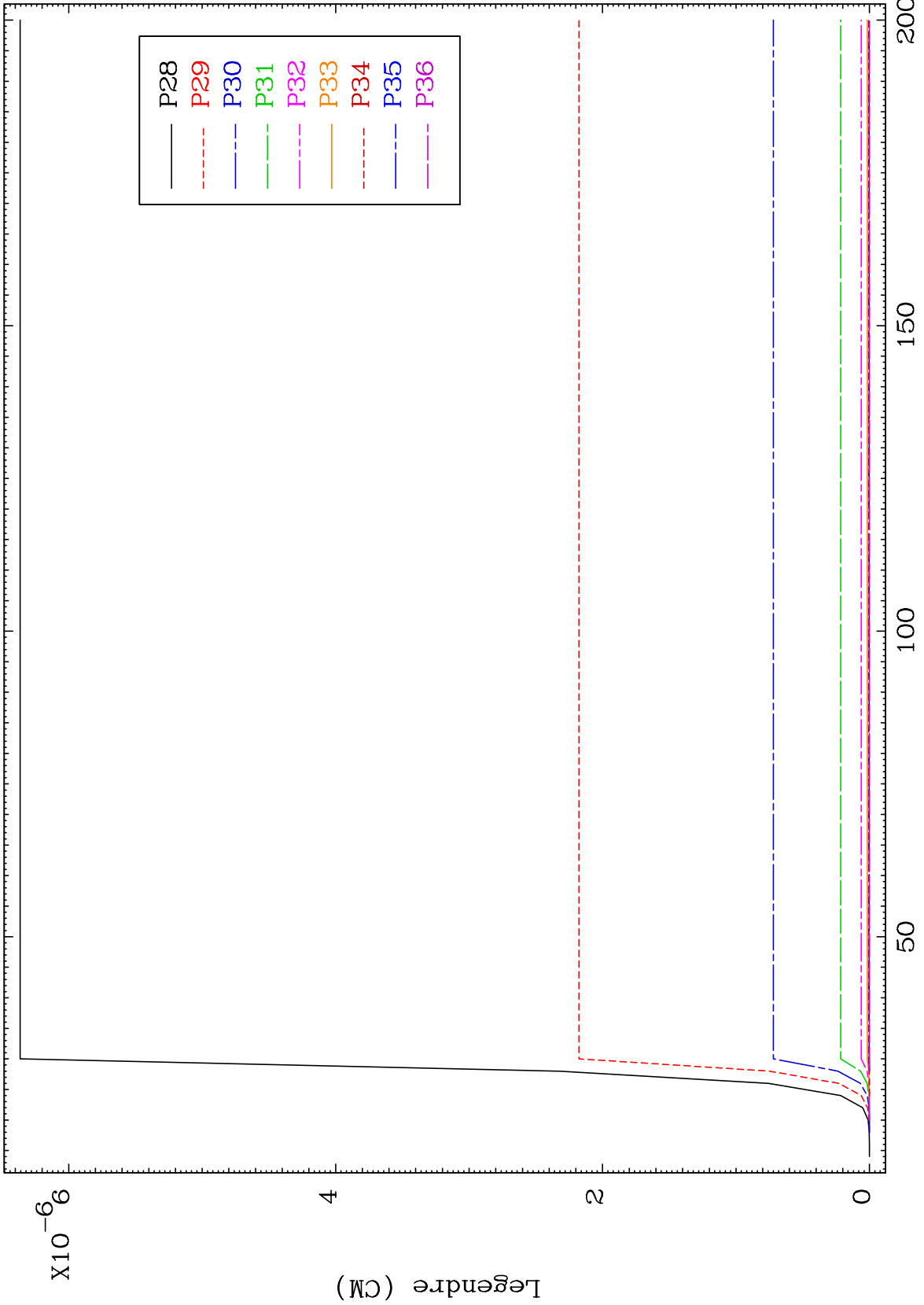
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

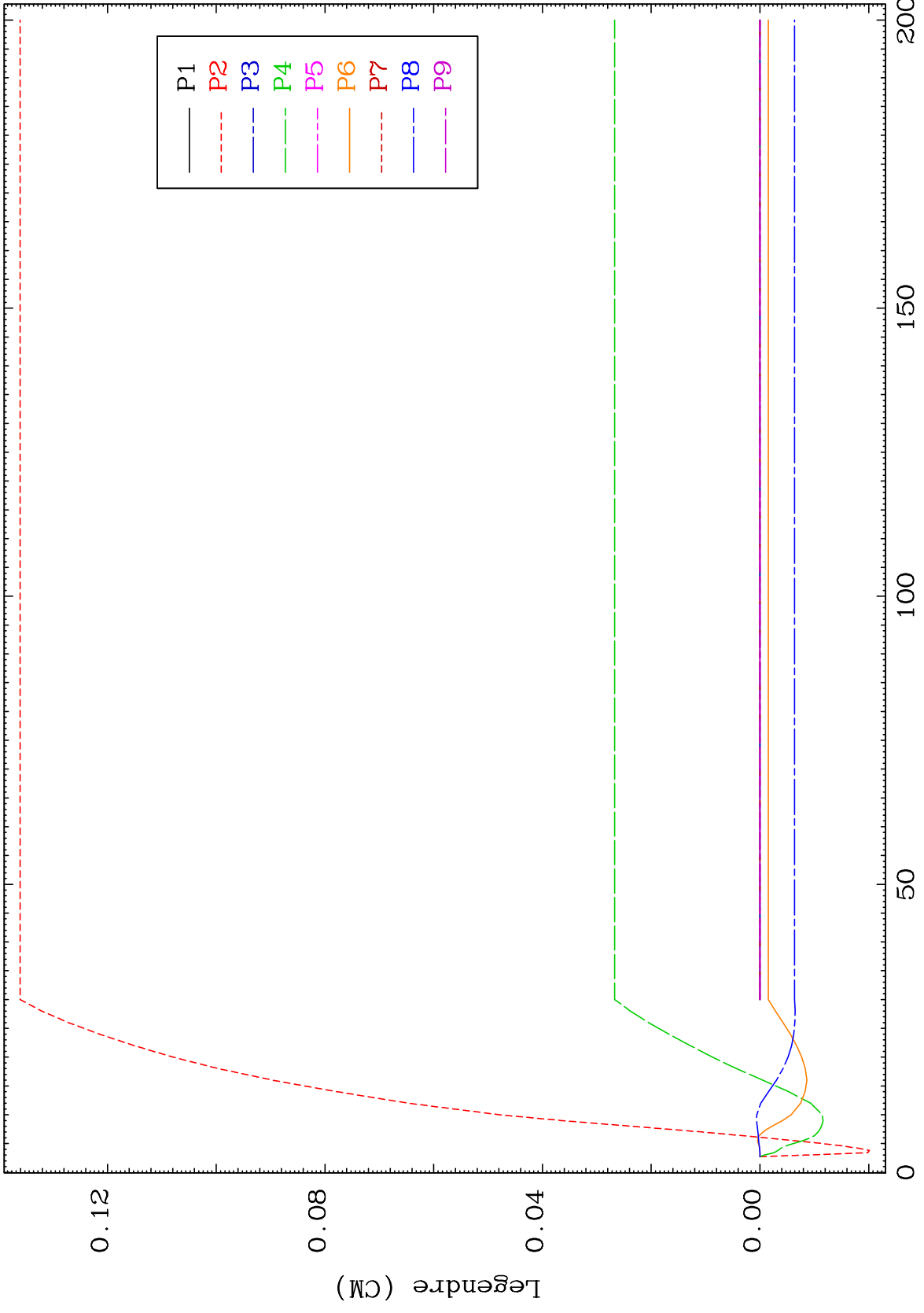


59

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-144

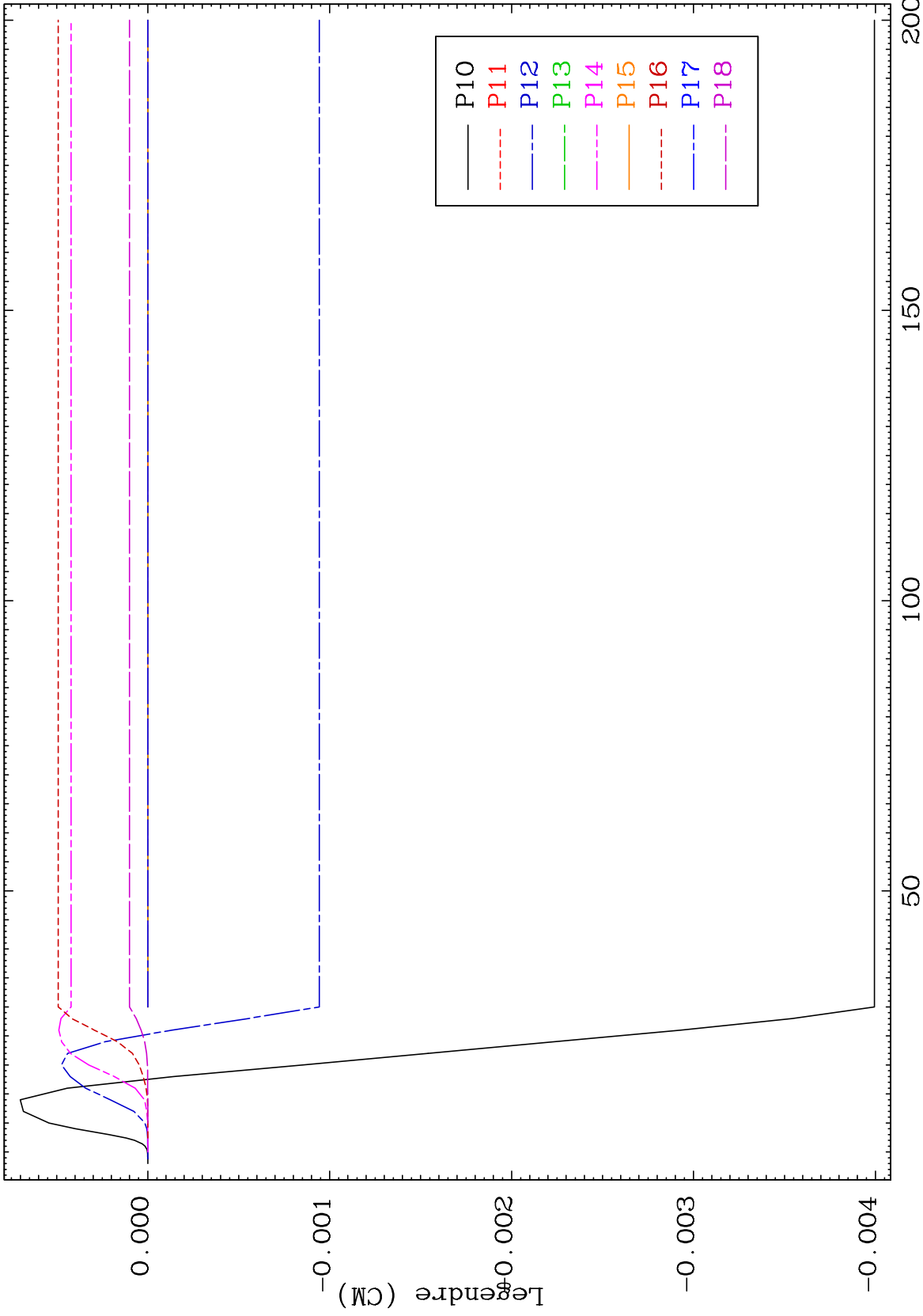


62-Sm-144

MAT 6225

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

62-Sm-144

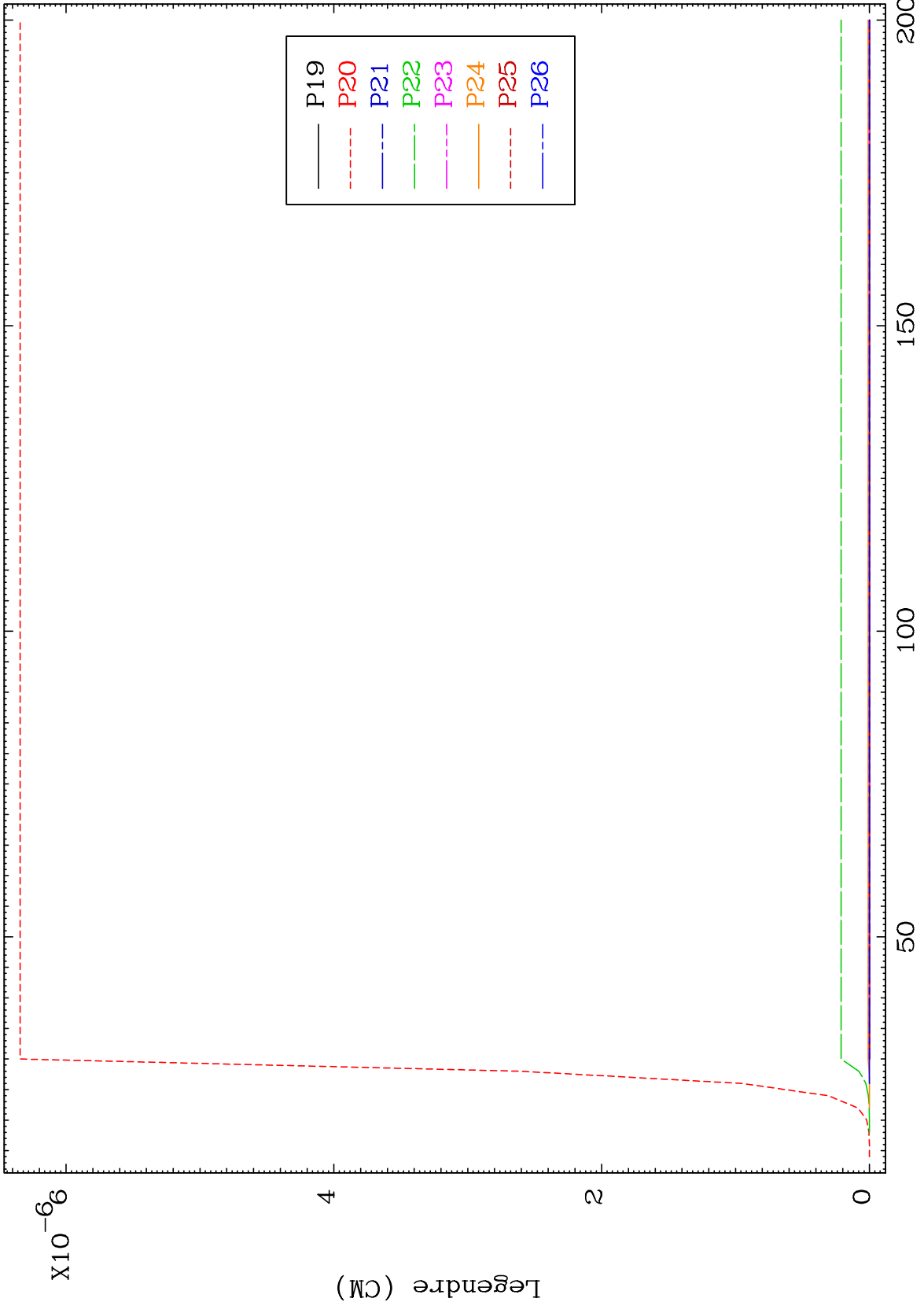


61

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-144

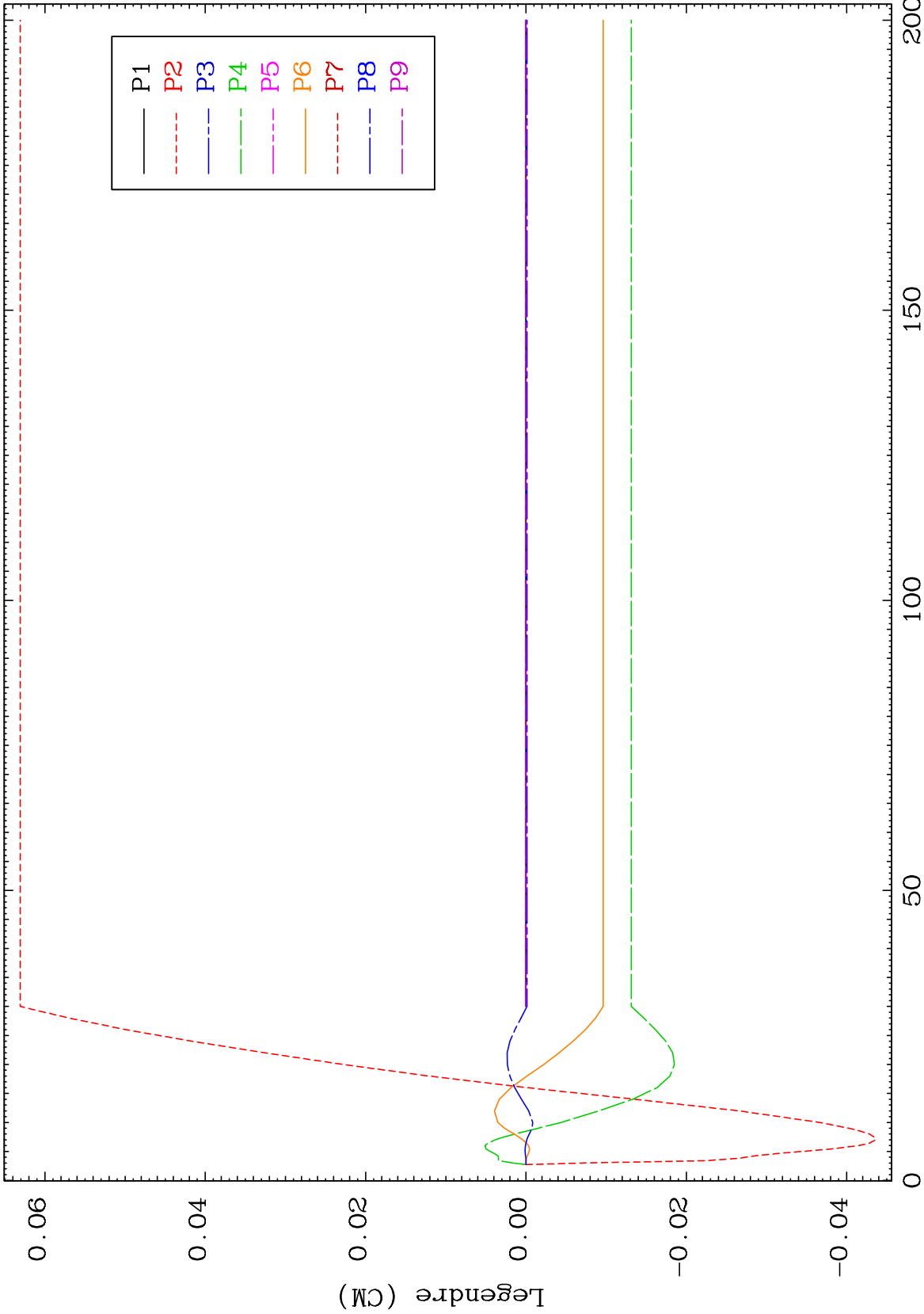


62-Sm-144

MAT 6225

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

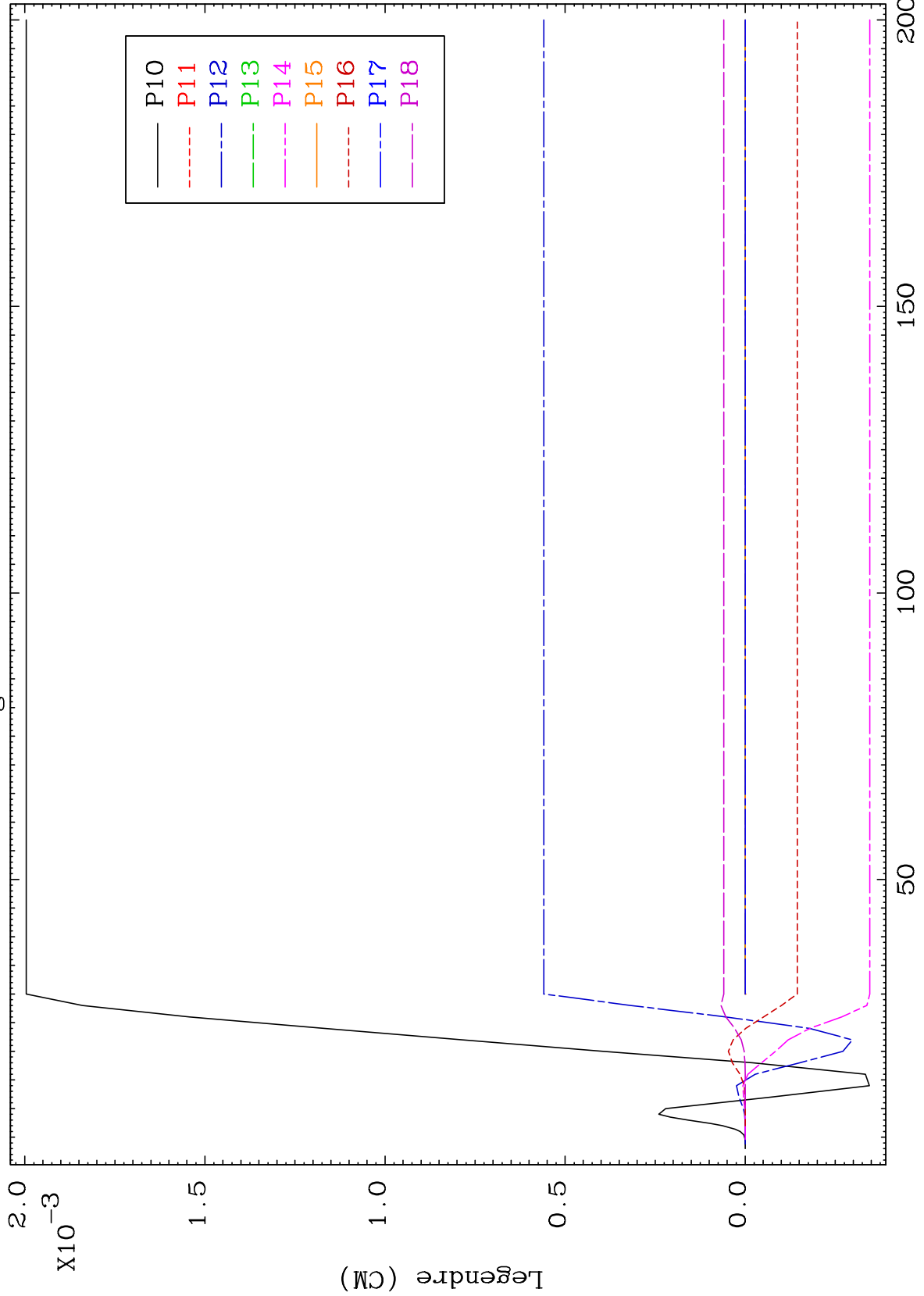
62-Sm-144



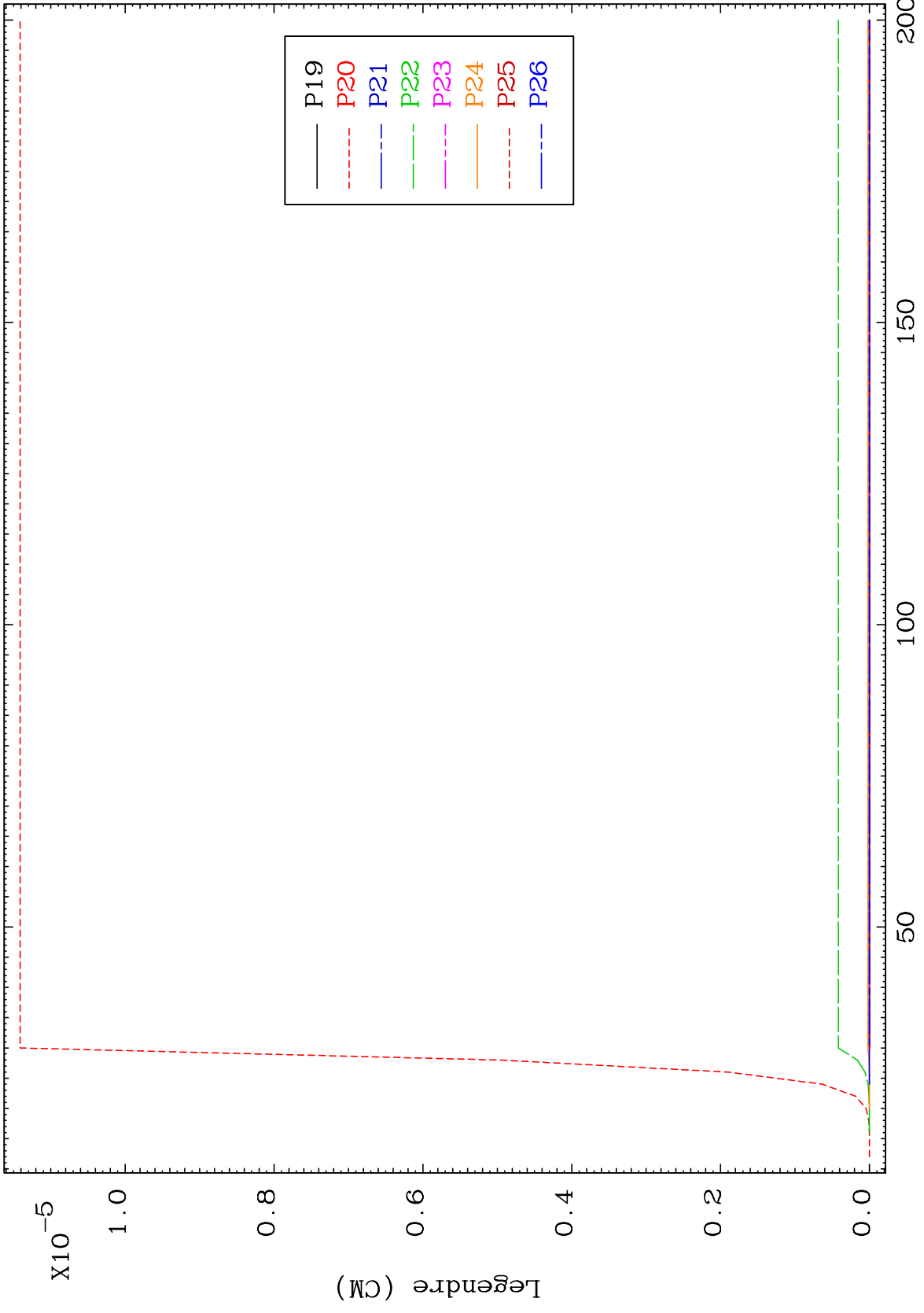
63

Incident Energy (MeV)

62-Sm-144



MAT 6225 MT= 63 (n,n') Level Legendre Coefficients 62-Sm-144

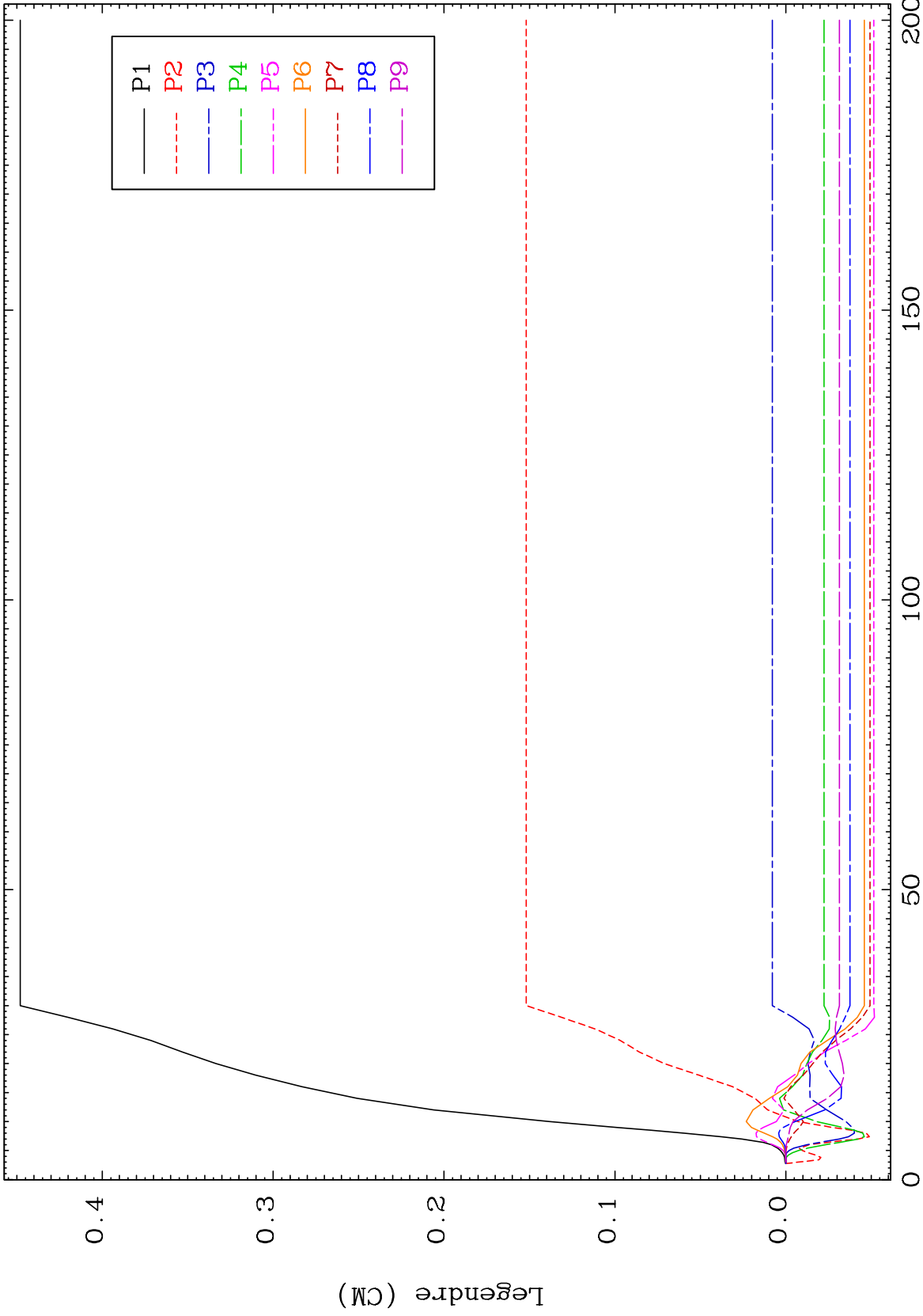


65 Incident Energy (MeV) 200 62-Sm-144

MAT 6225

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

62-Sm-144

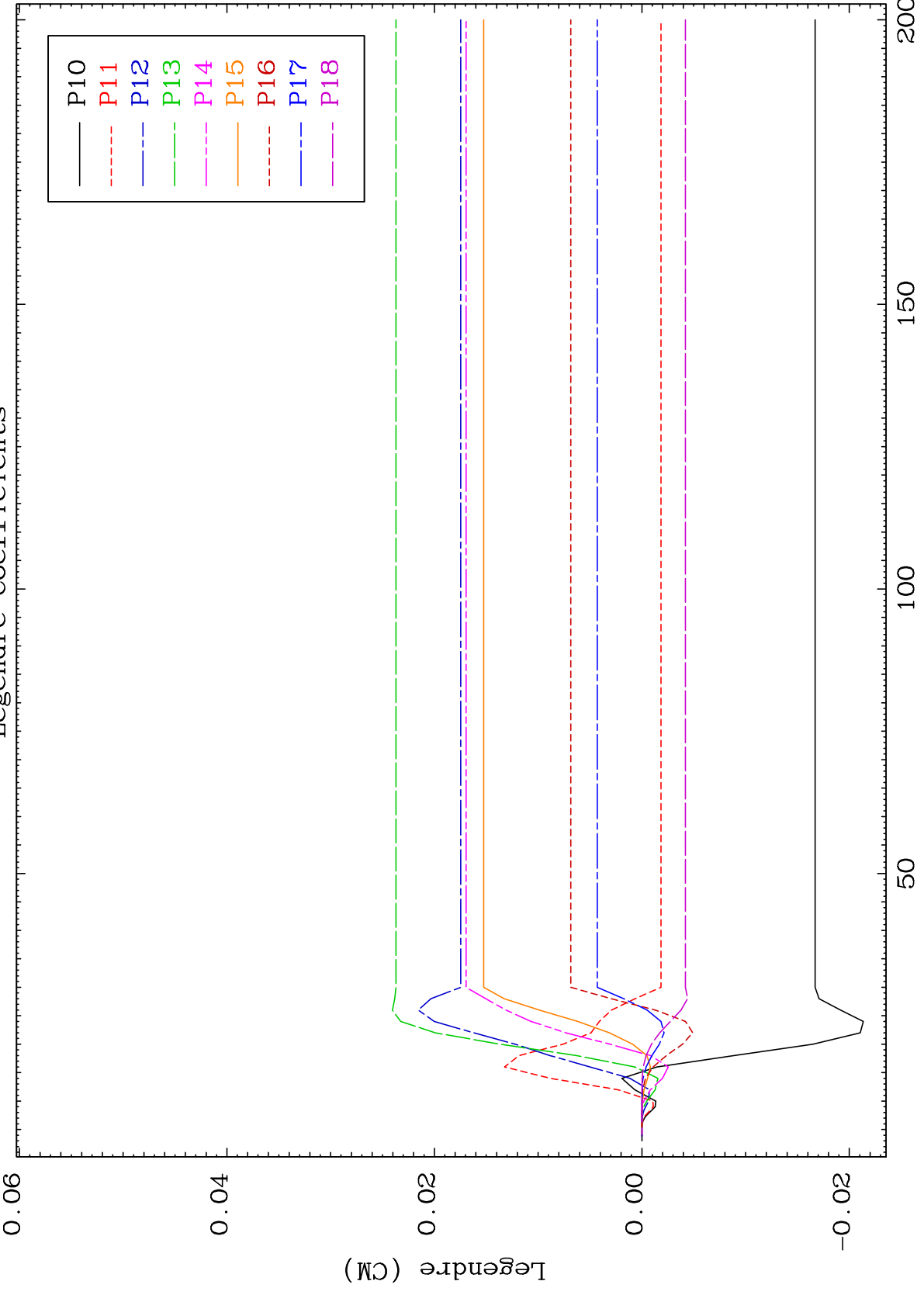


66

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 64 (n,n') Level Legendre Coefficients 62-Sm-144

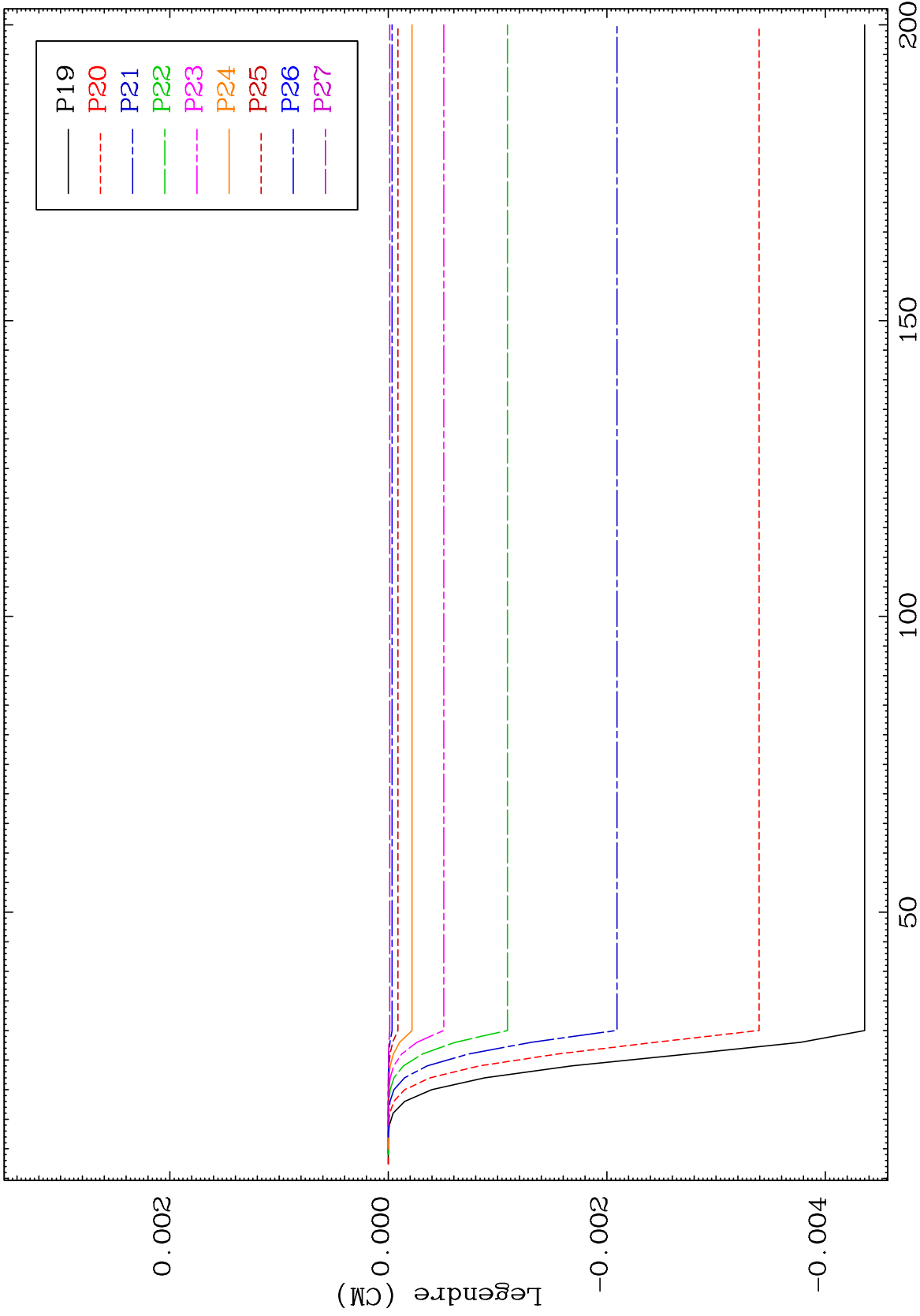


67 62-Sm-144

MAT 6225

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

62-Sm-144

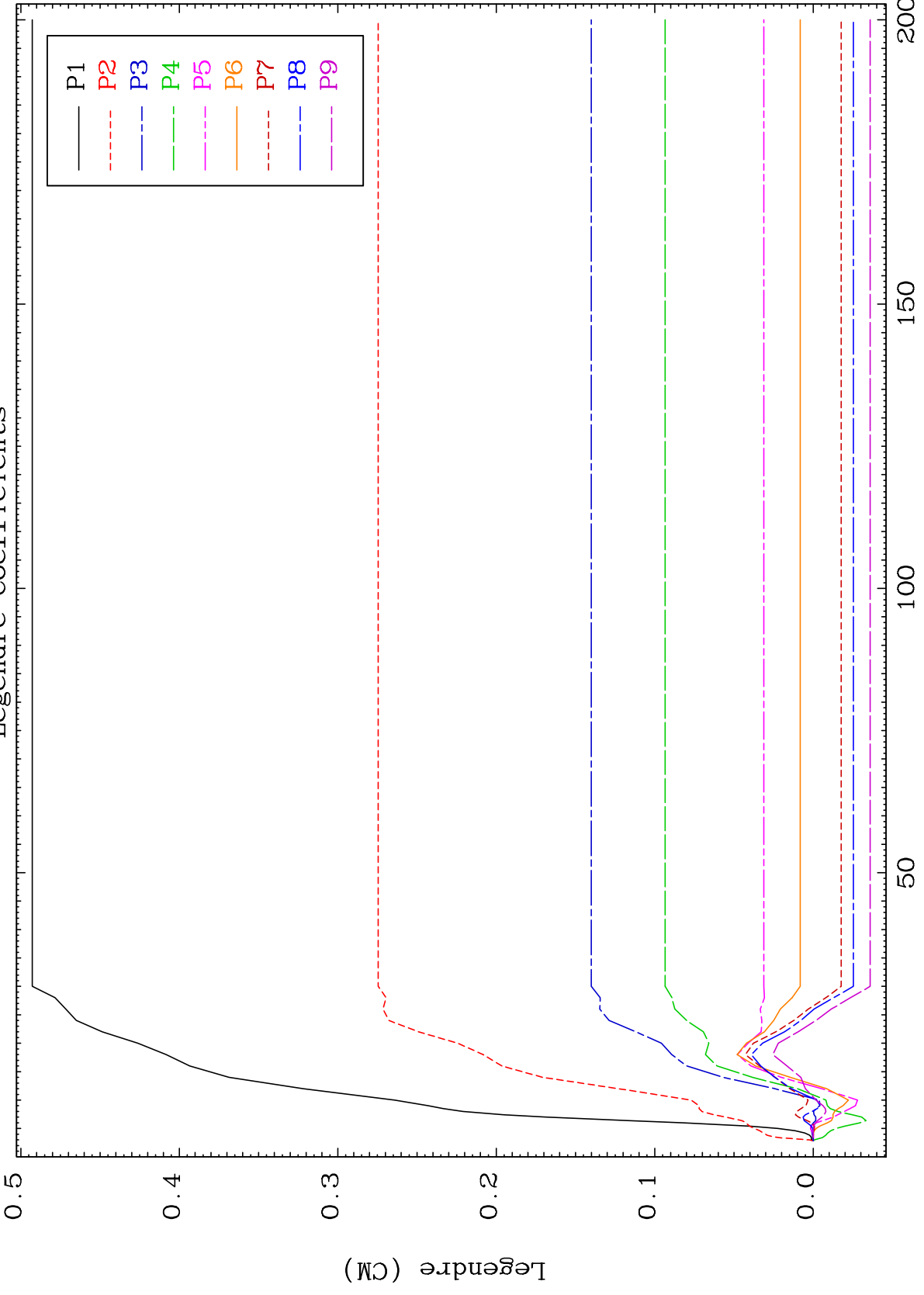


68

Incident Energy (MeV)

62-Sm-144

MAT 6225 MT= 65 (n,n') Level Legendre Coefficients 62-Sm-144

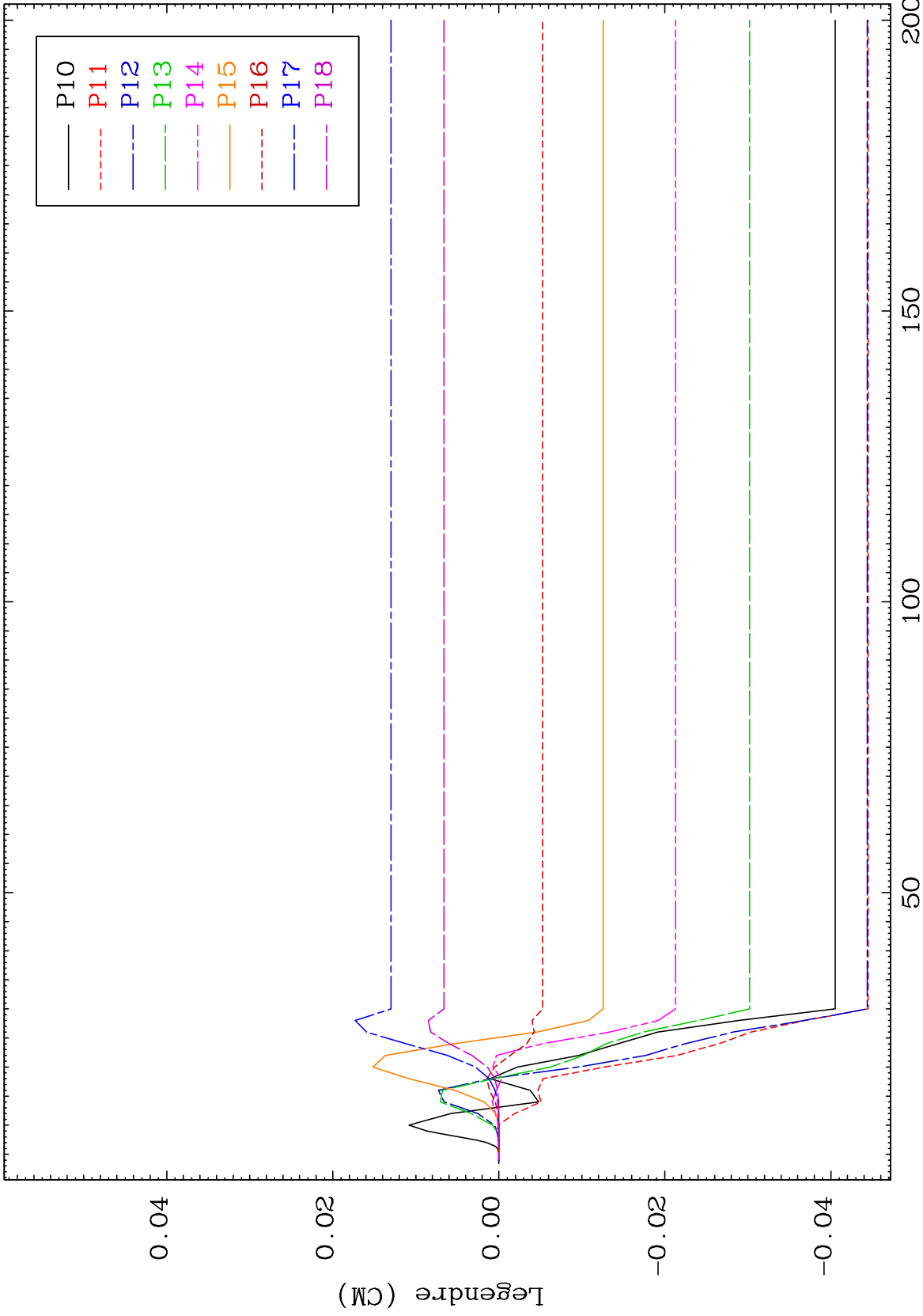


70 Incident Energy (MeV) 62-Sm-144

MAT 6225

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

62-Sm-144



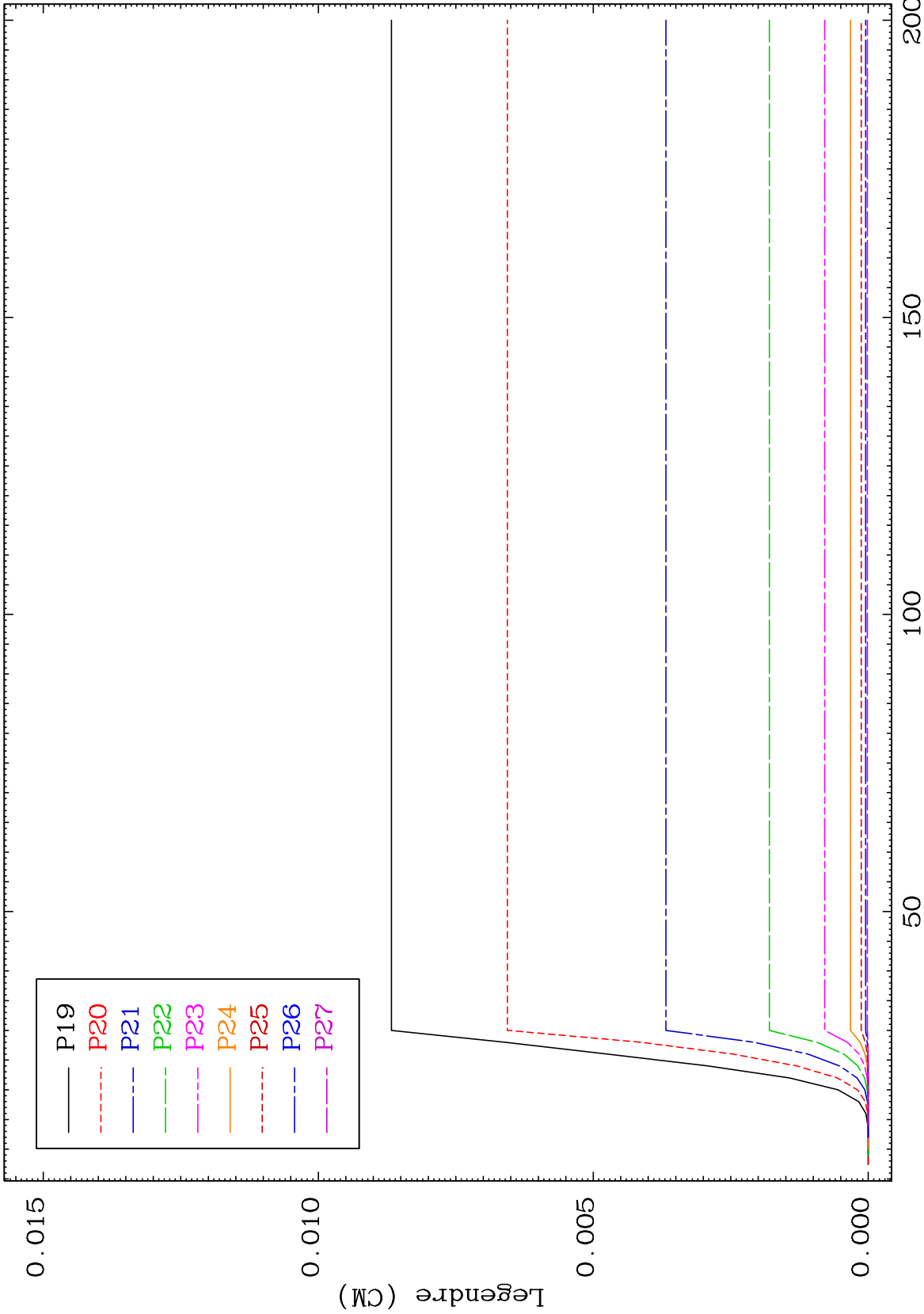
71

62-Sm-144

MAT 6225

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

62-Sm-144



72

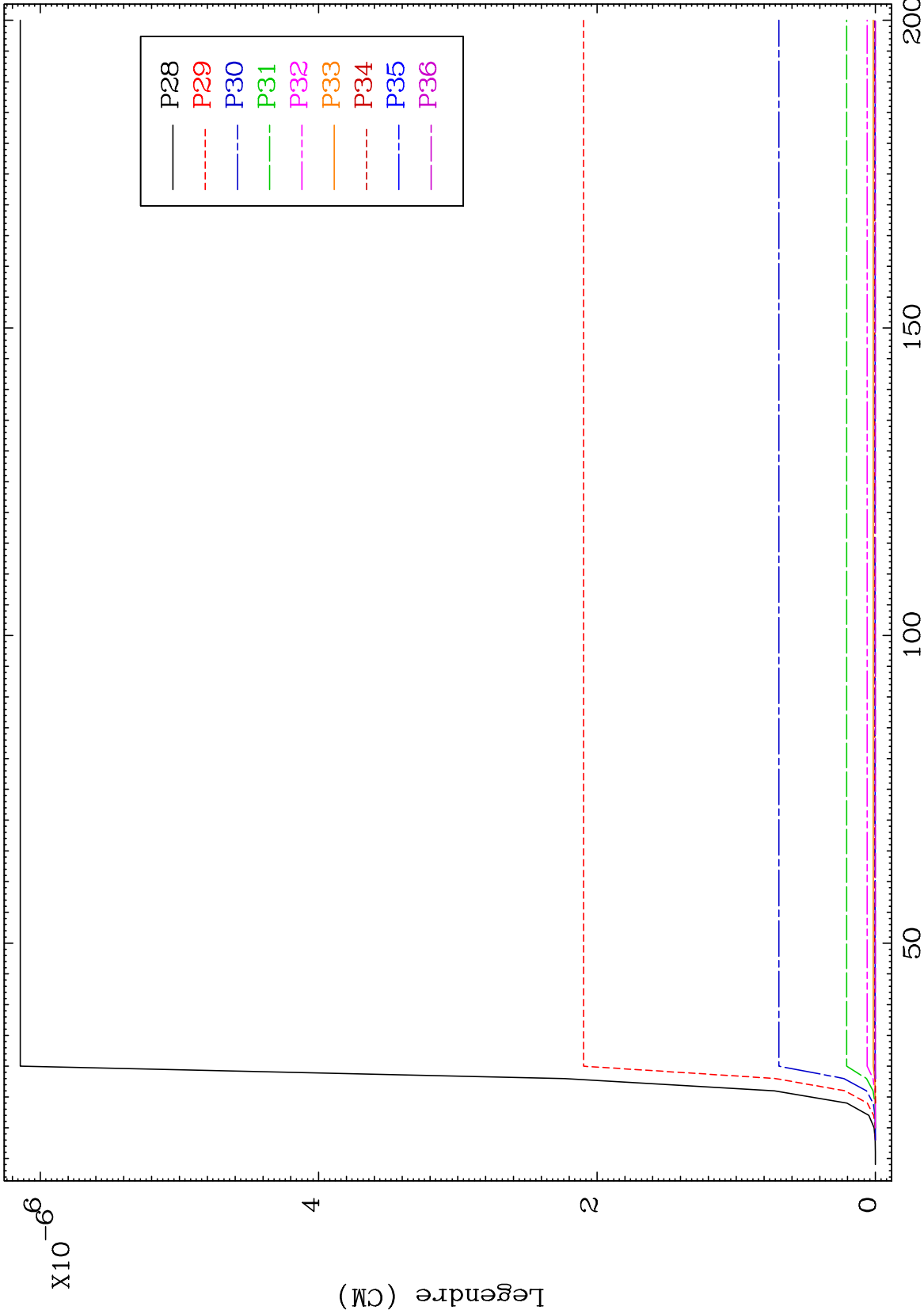
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144

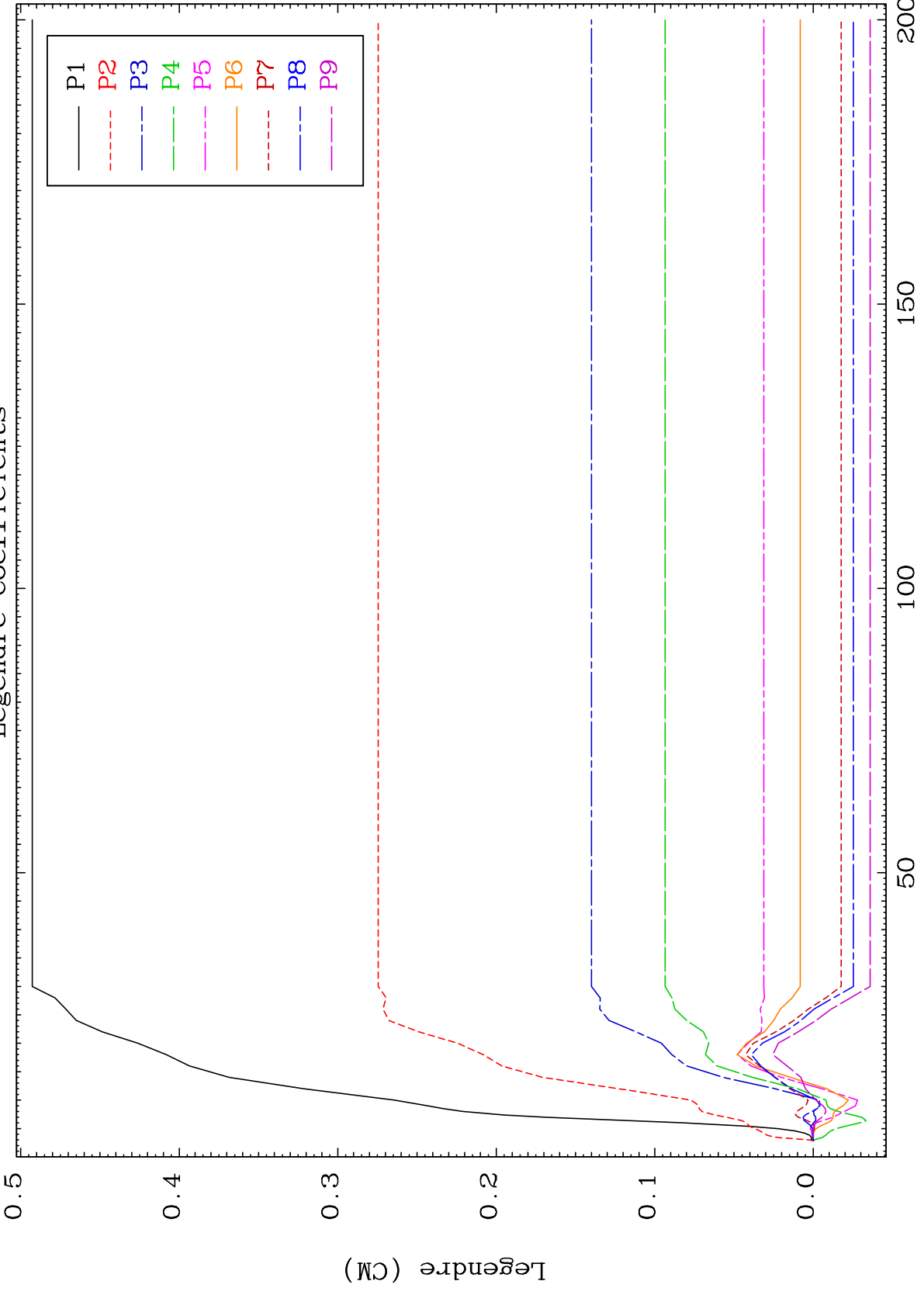


73

Incident Energy (MeV)

62-Sm-144

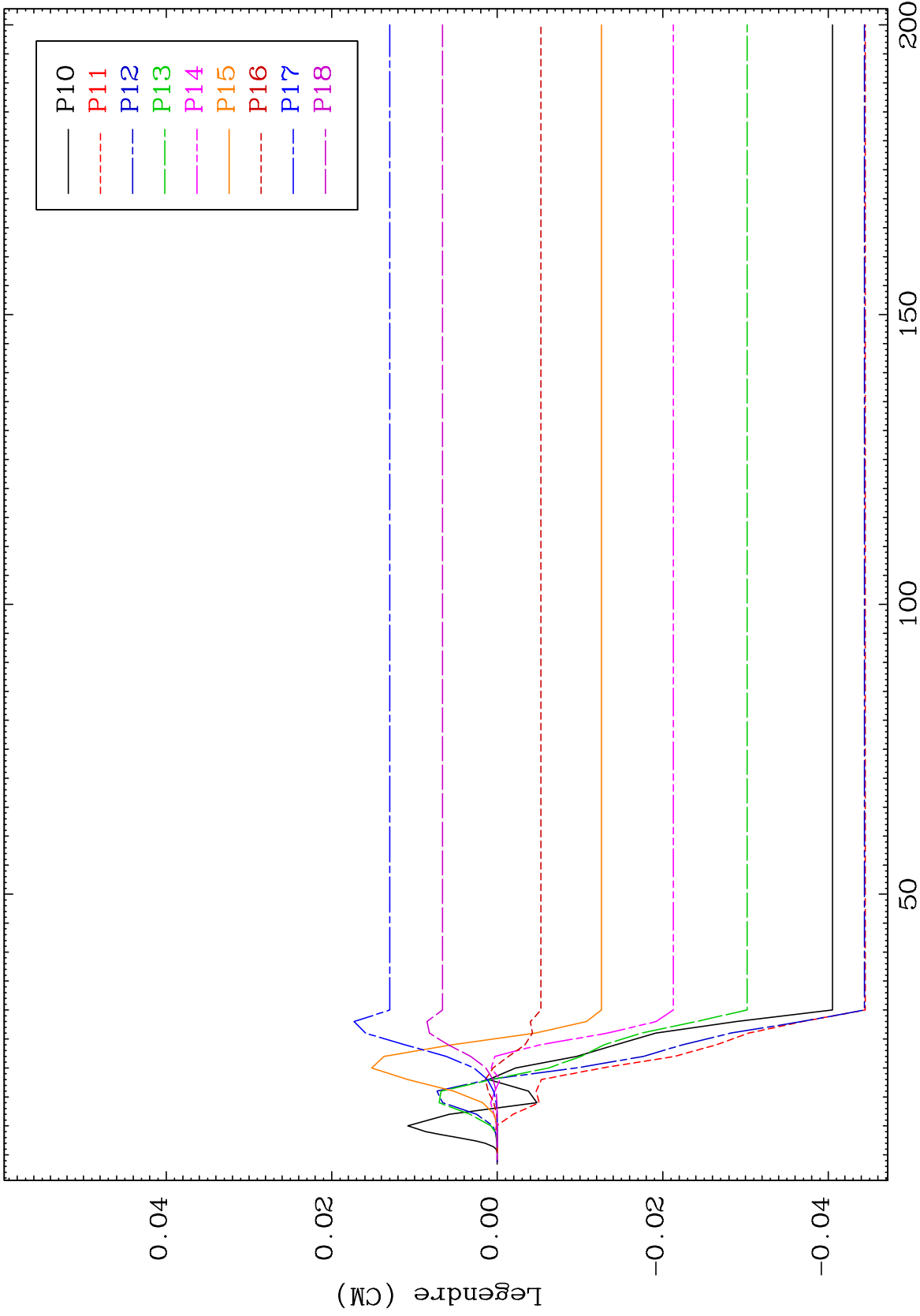
MAT 6225 MT= 66 (n,n') Level Legendre Coefficients 62-Sm-144



MAT 6225

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

62-Sm-144



75

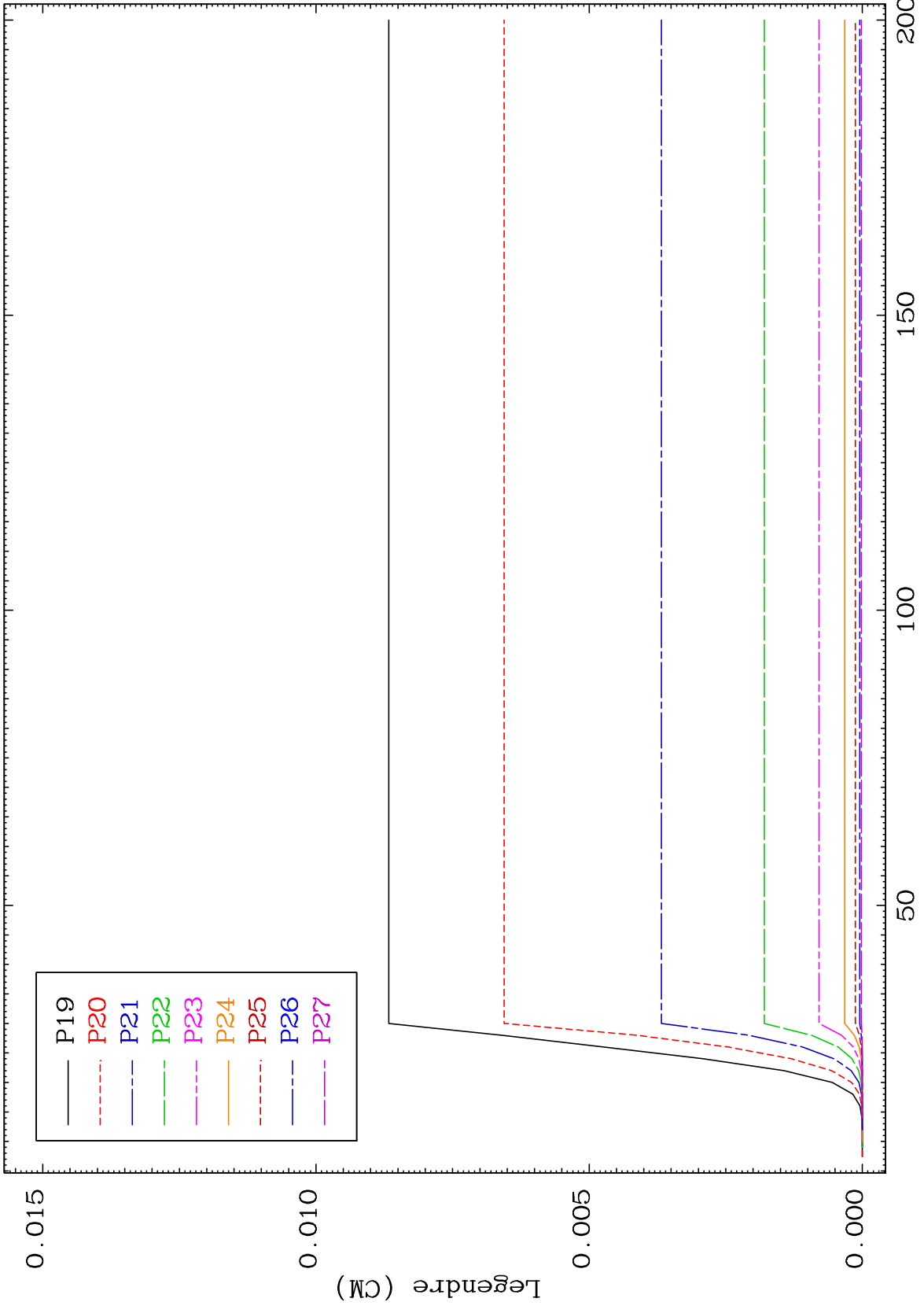
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



76

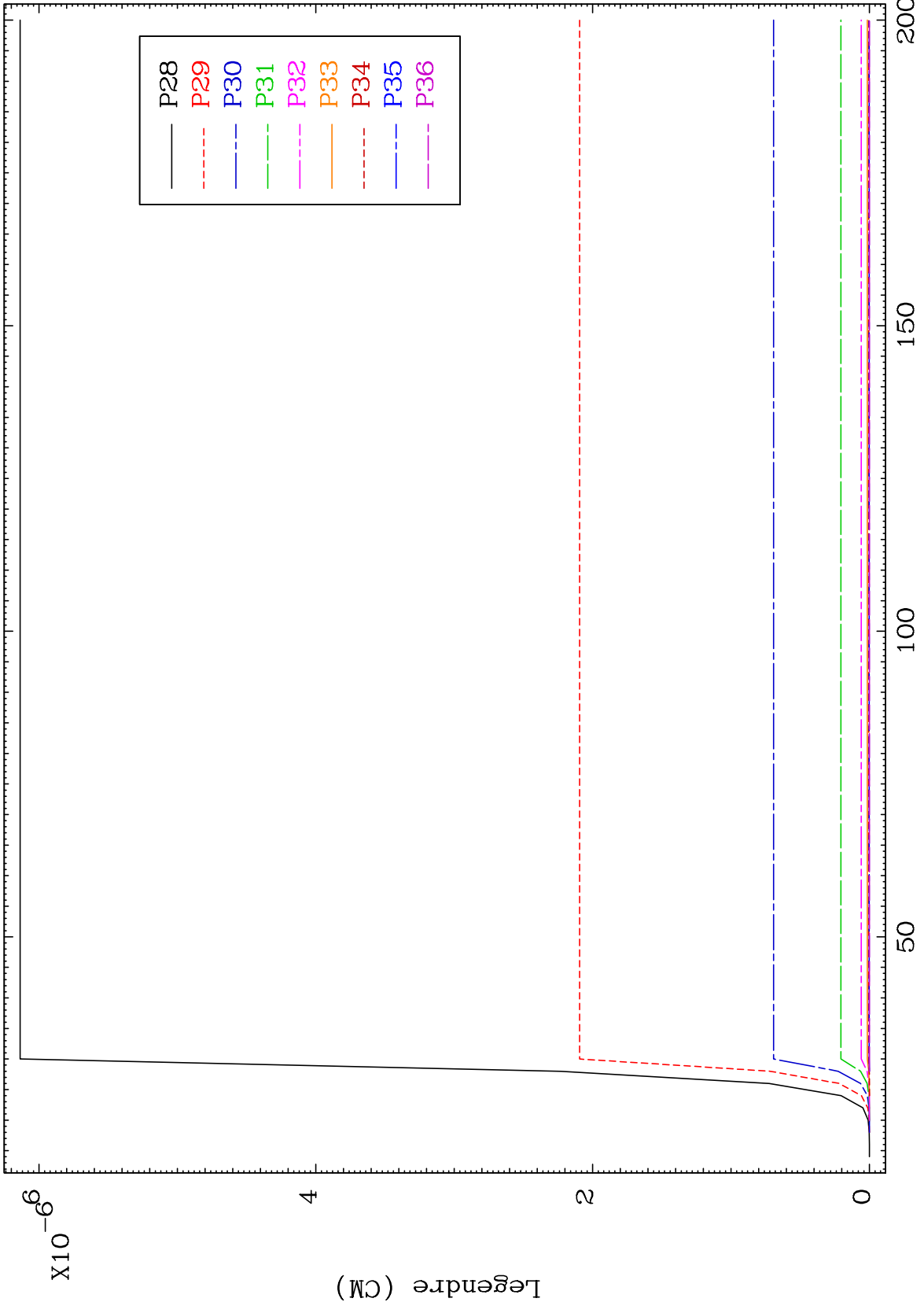
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



77

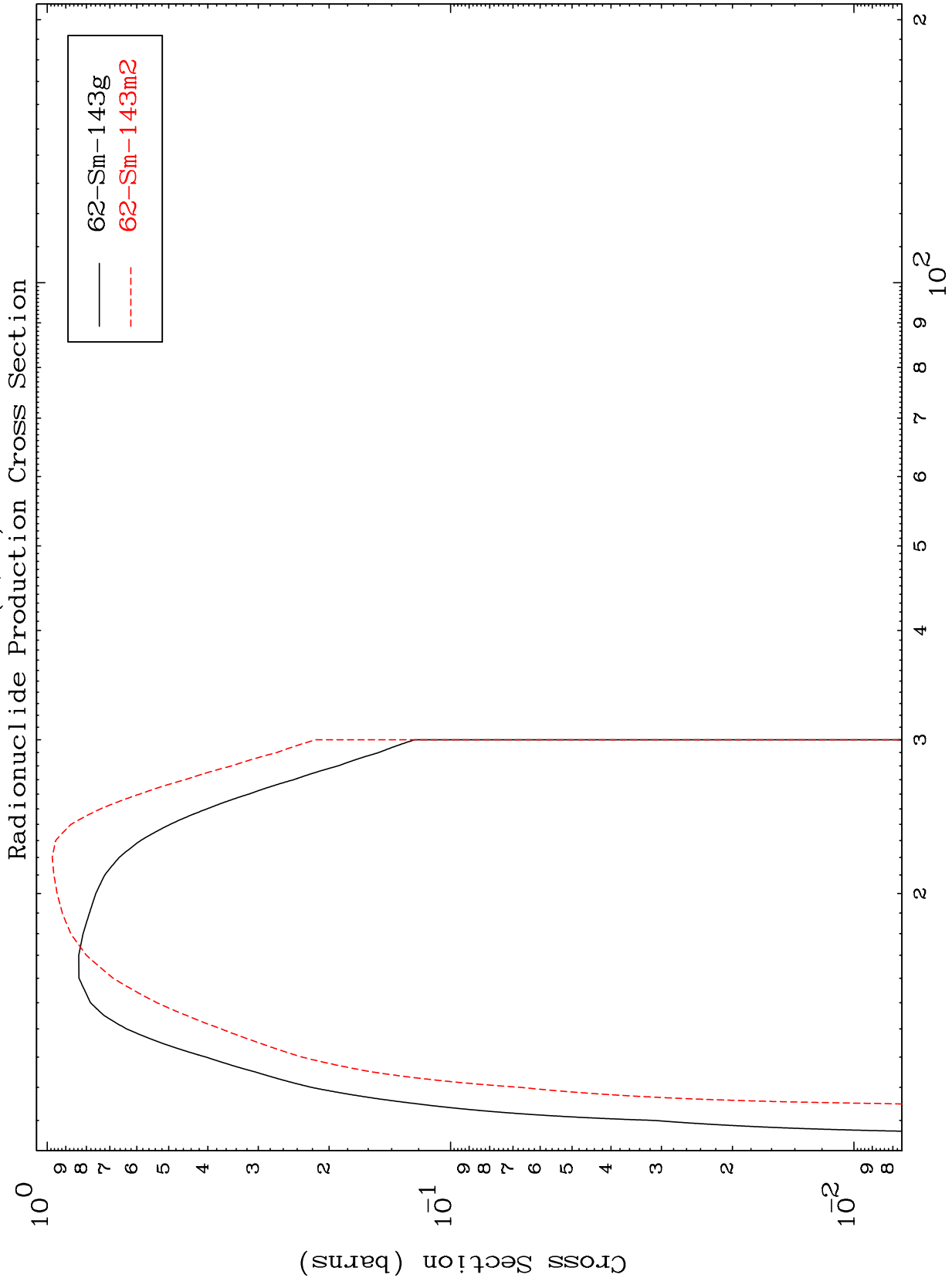
Incident Energy (MeV)

62-Sm-144

MAT 6225

62-Sm-144

62-Sm-144



78

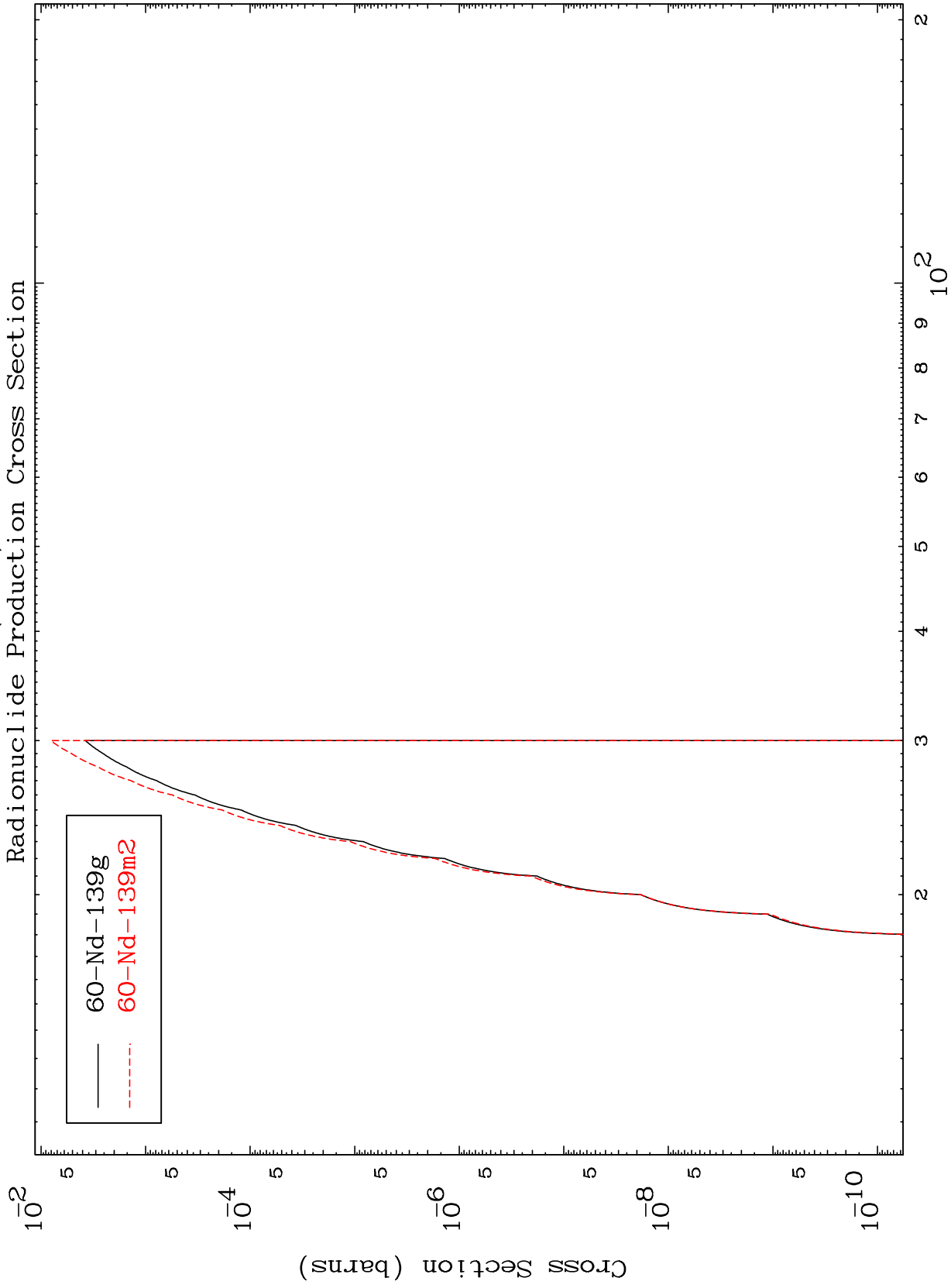
62-Sm-144

62-Sm-144

MAT 6225

(n,2n) α

62-Sm-144



79

Incident Energy (MeV)

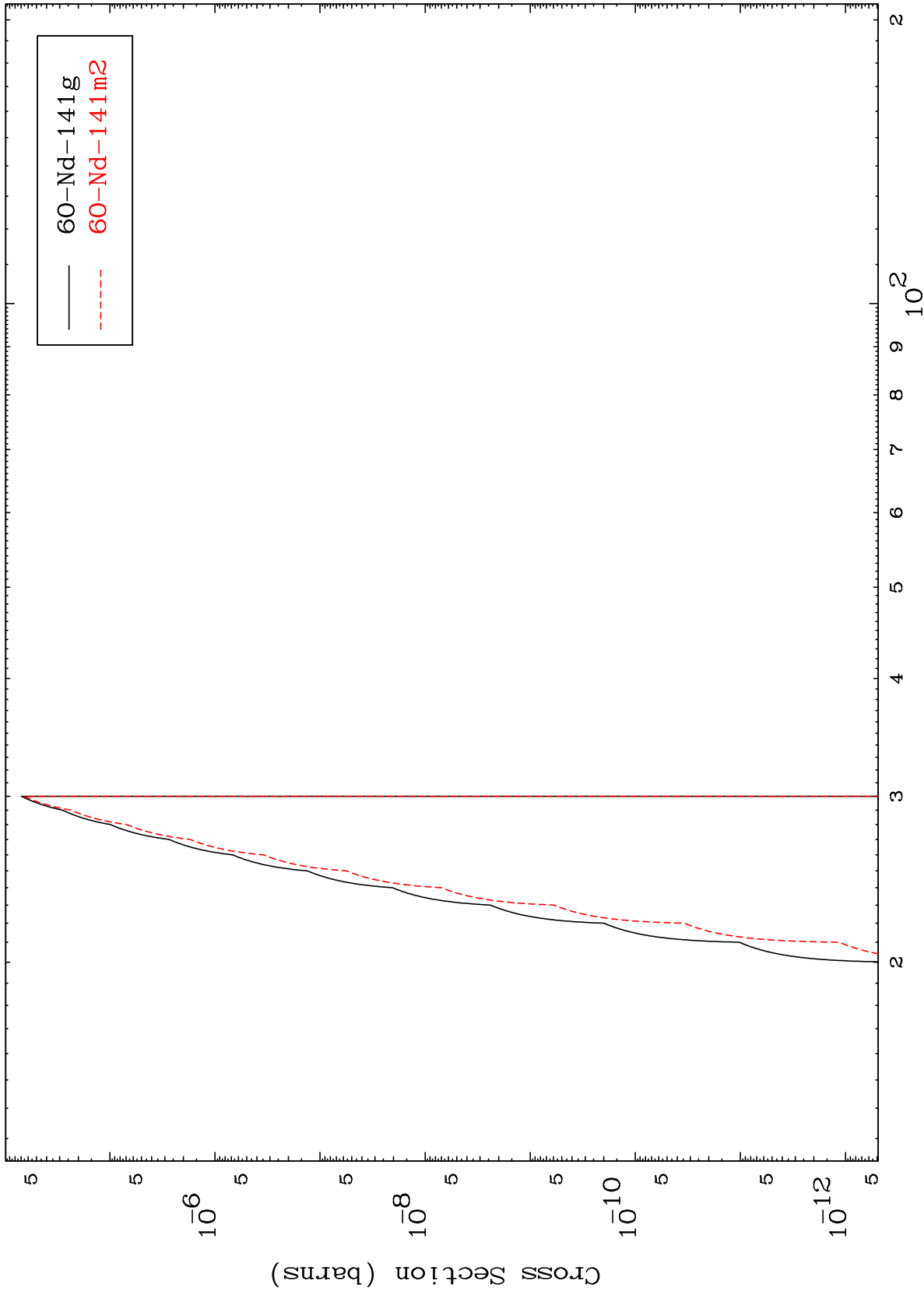
62-Sm-144

MAT 6225

(n, n') He-3

62-Sm-144

Radionuclide Production Cross Section



80

Incident Energy (MeV)

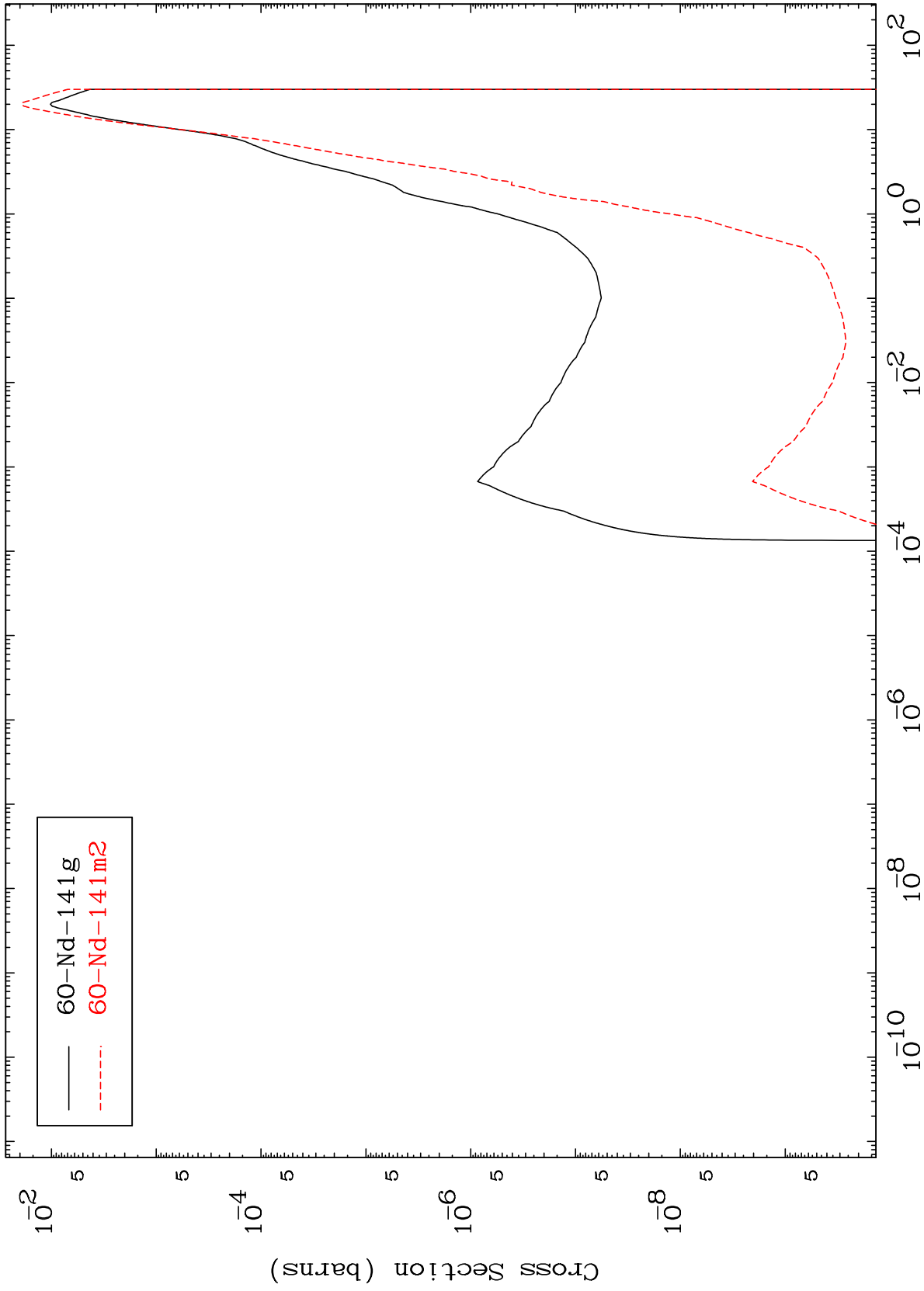
62-Sm-144

MAT 6225

(n, α)

62-Sm-144

Radionuclide Production Cross Section

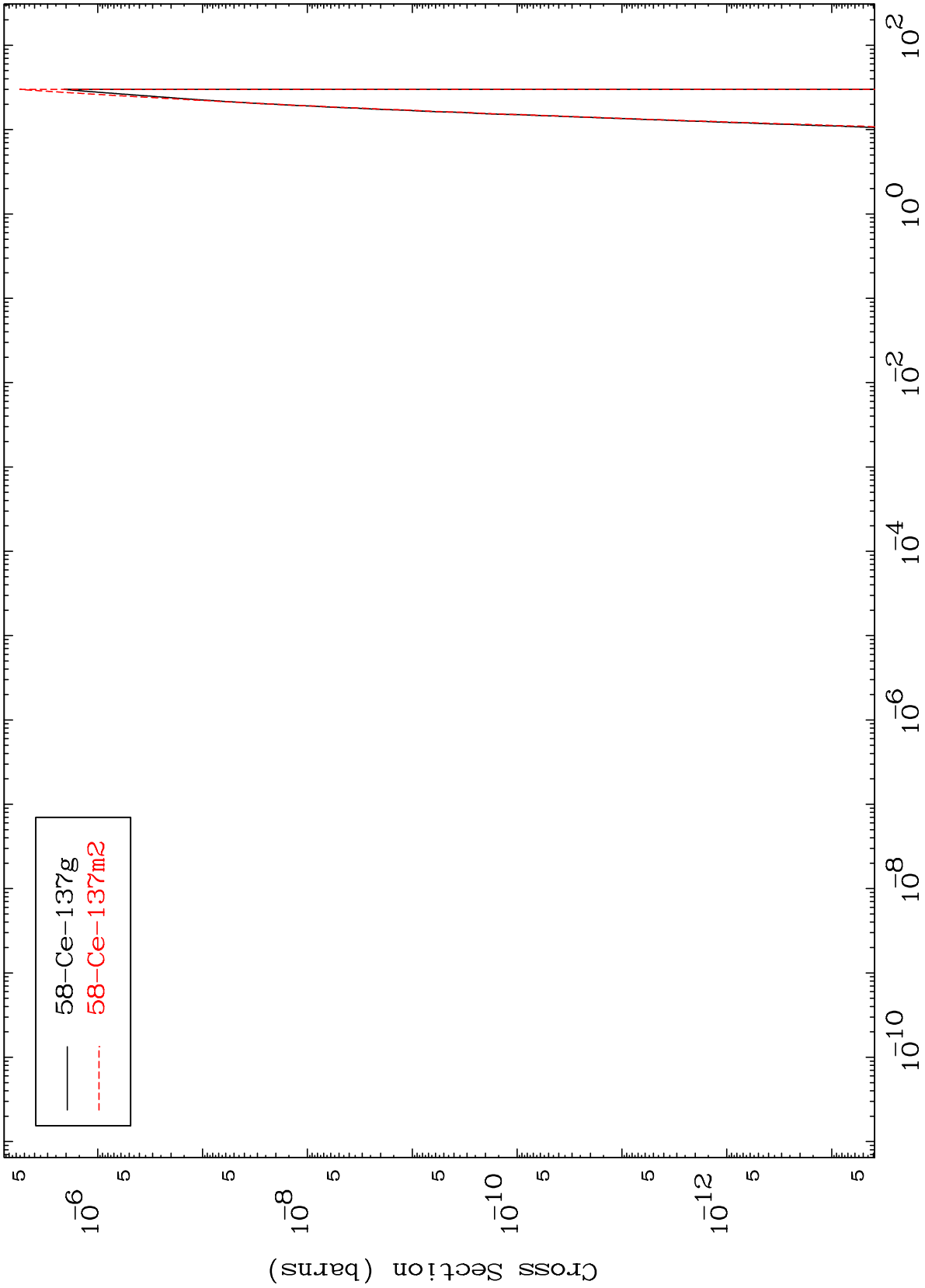


MAT 6225

(n,2α)

62-Sm-144

Radionuclide Production Cross Section



82

Incident Energy (MeV)

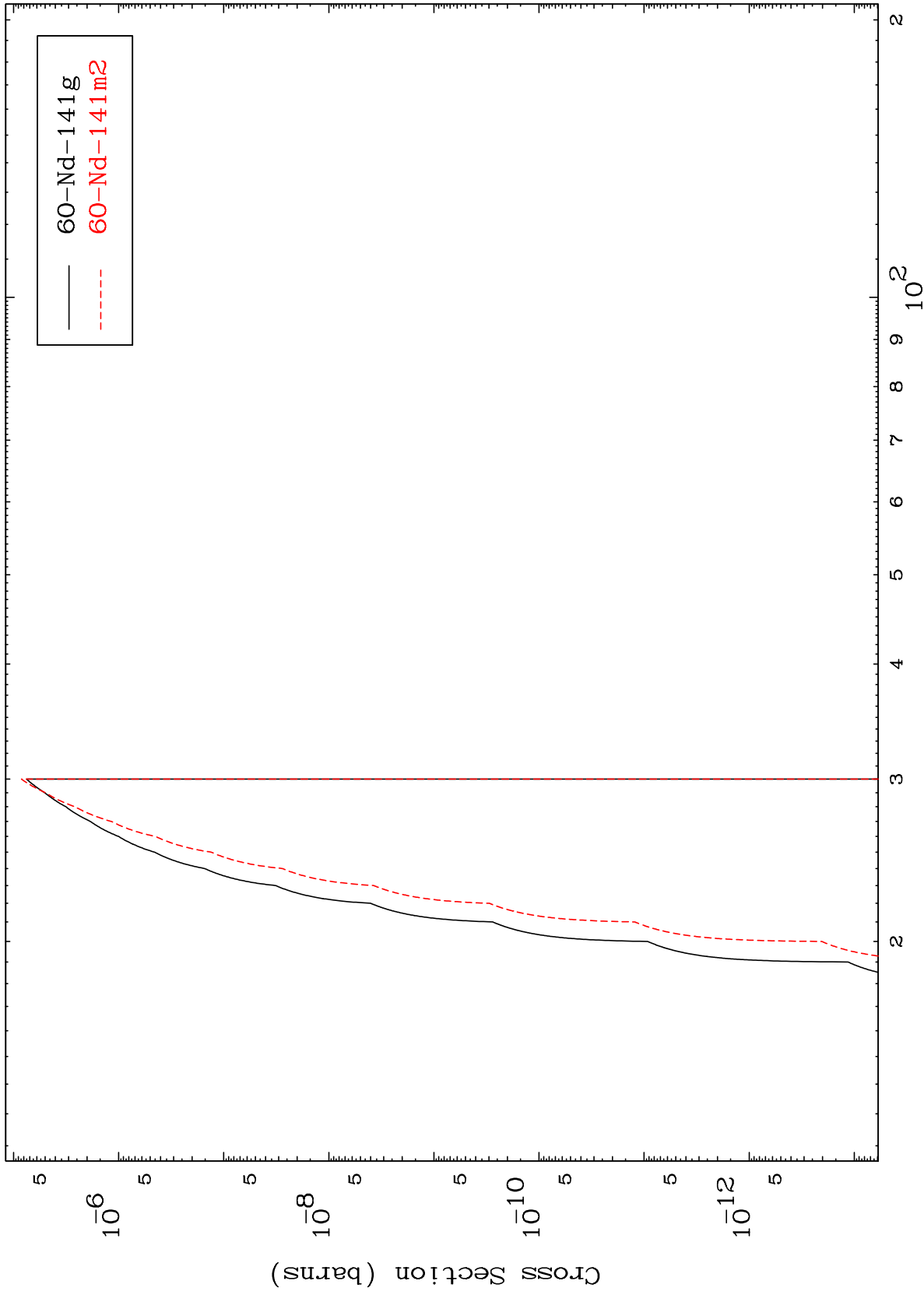
62-Sm-144

MAT 6225

(n,p) t

⁶²Sm-144

Radionuclide Production Cross Section



83

Incident Energy (MeV)

⁶²Sm-144