

Program EVALPLOT
(Version 2018-1)

by

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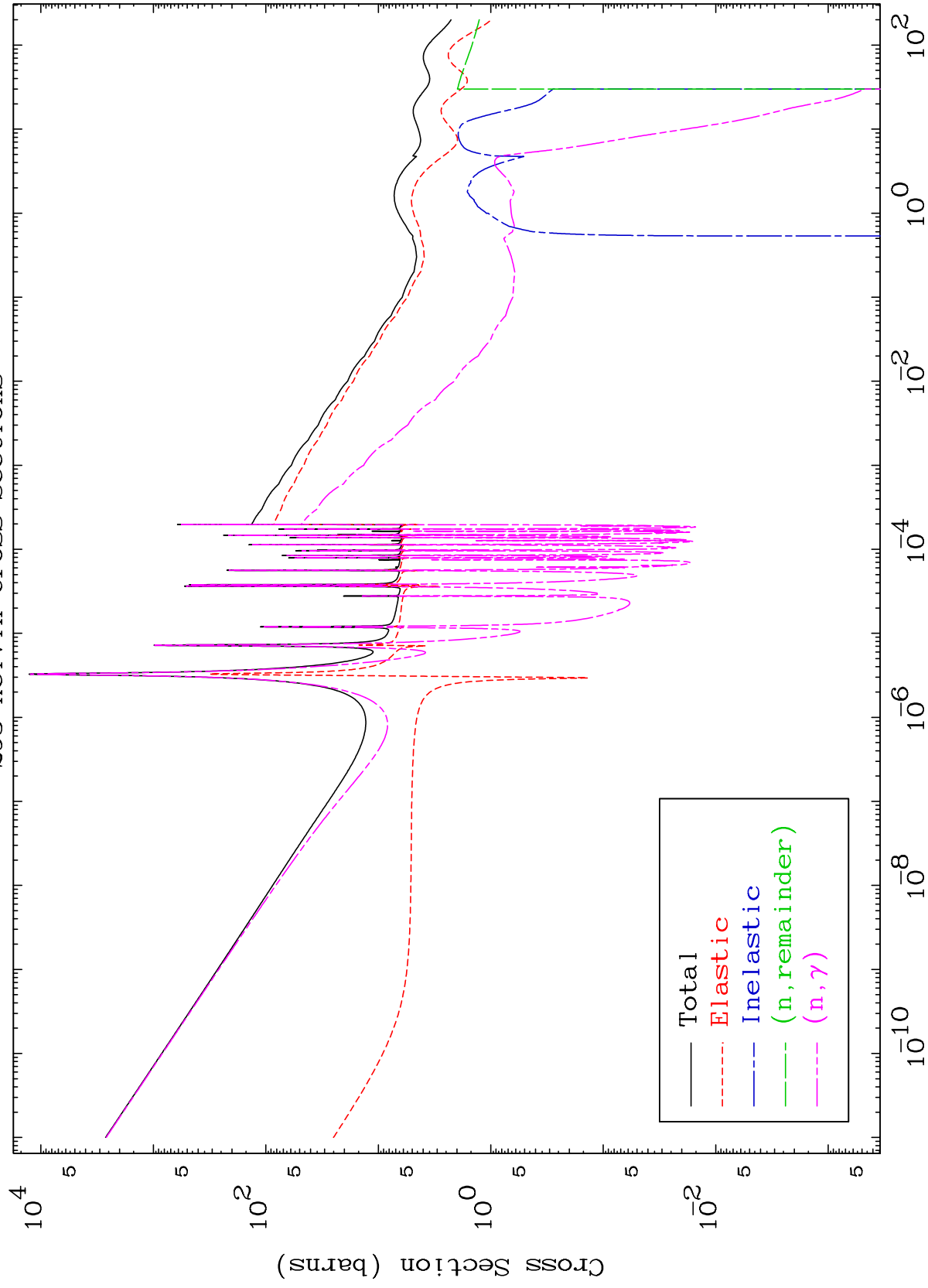
Press Mouse Button to Start

MAT 6213

Major

293 Kelvin Cross Sections

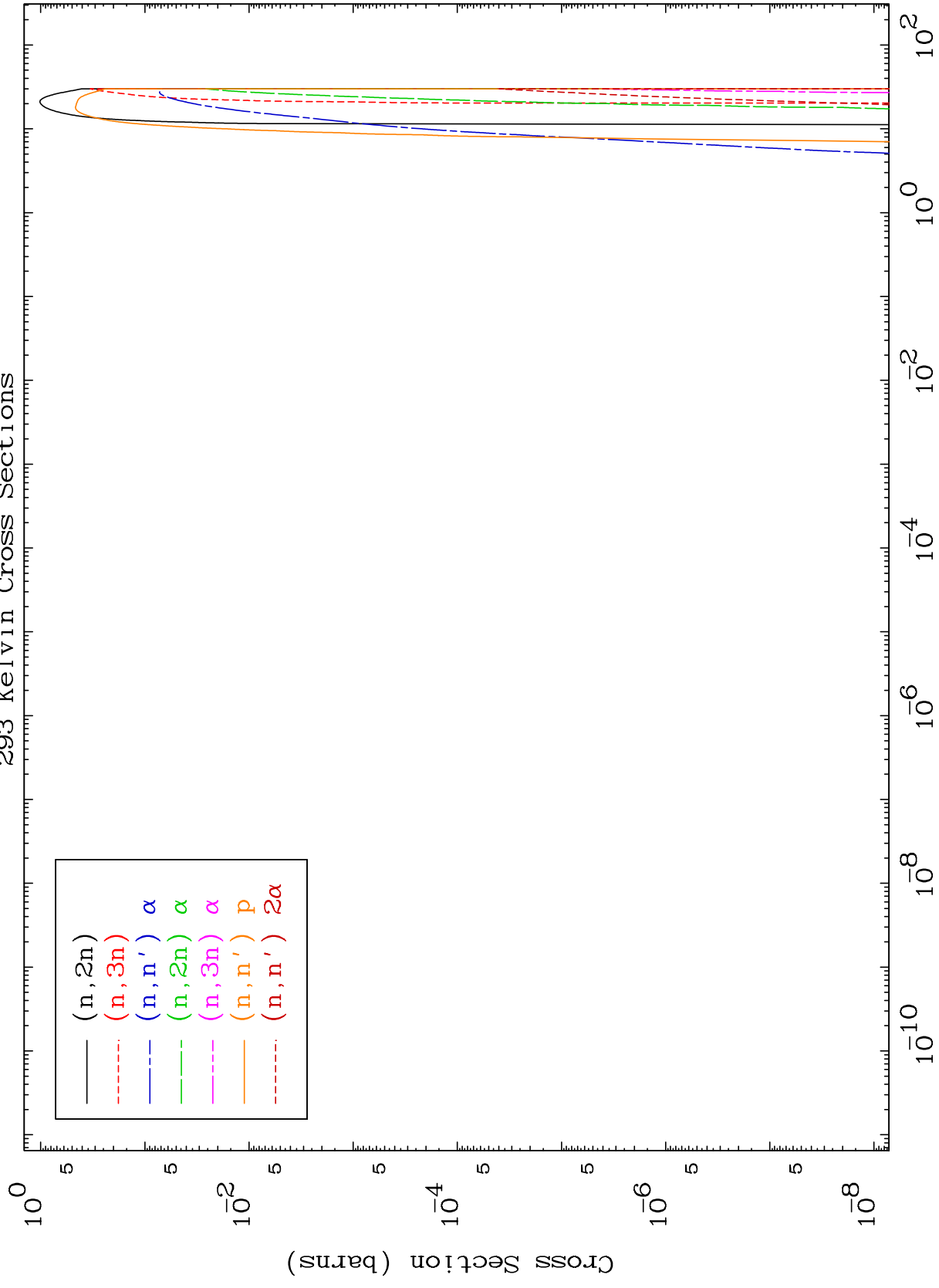
62-Sm-140



MAT 6213

Neutron Production
293 Kelvin Cross Sections

62-Sm-140



2

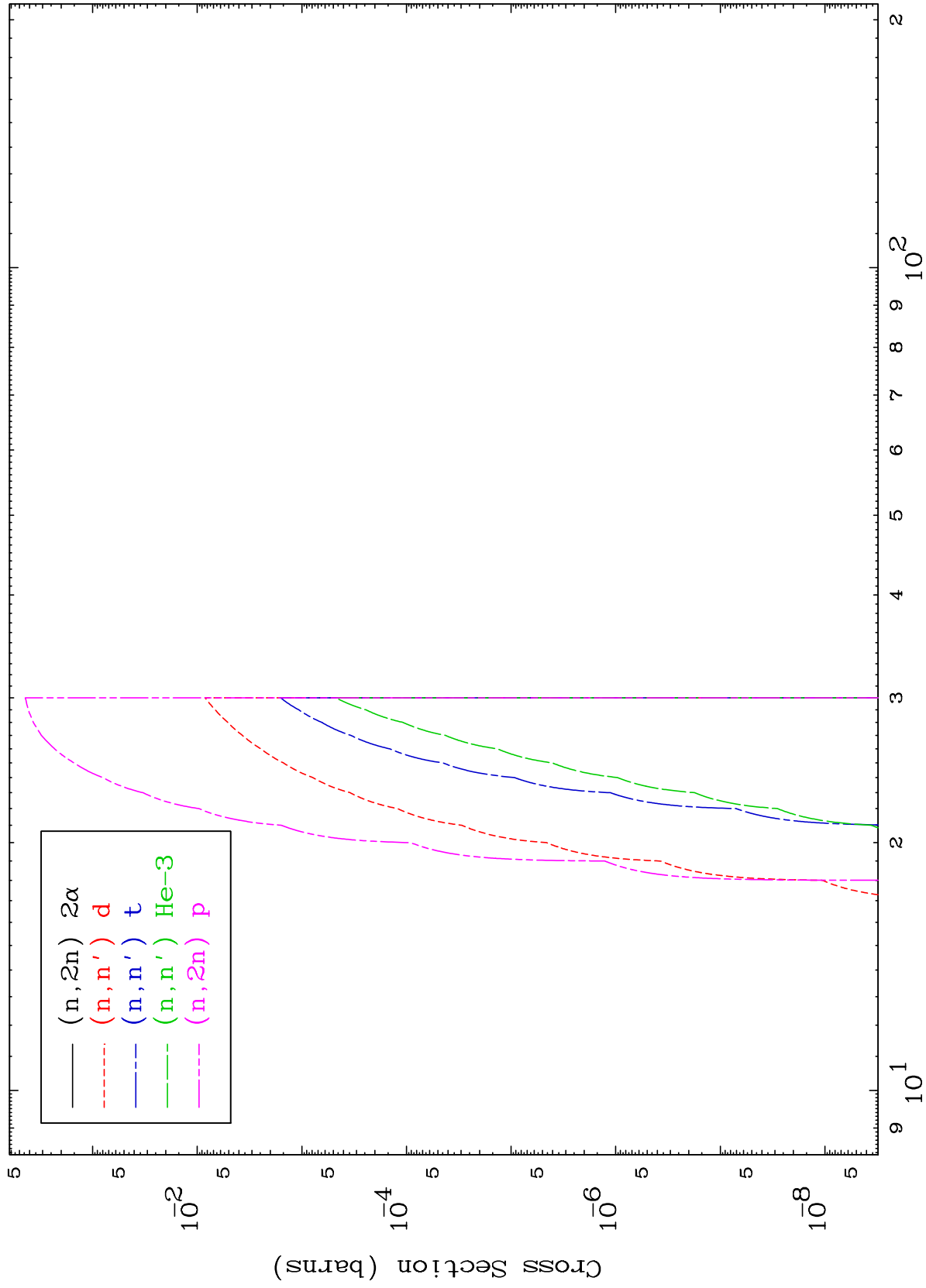
Incident Energy (MeV)

62-Sm-140

MAT 6213

Neutron Production
293 Kelvin Cross Sections

62-Sm-140



3

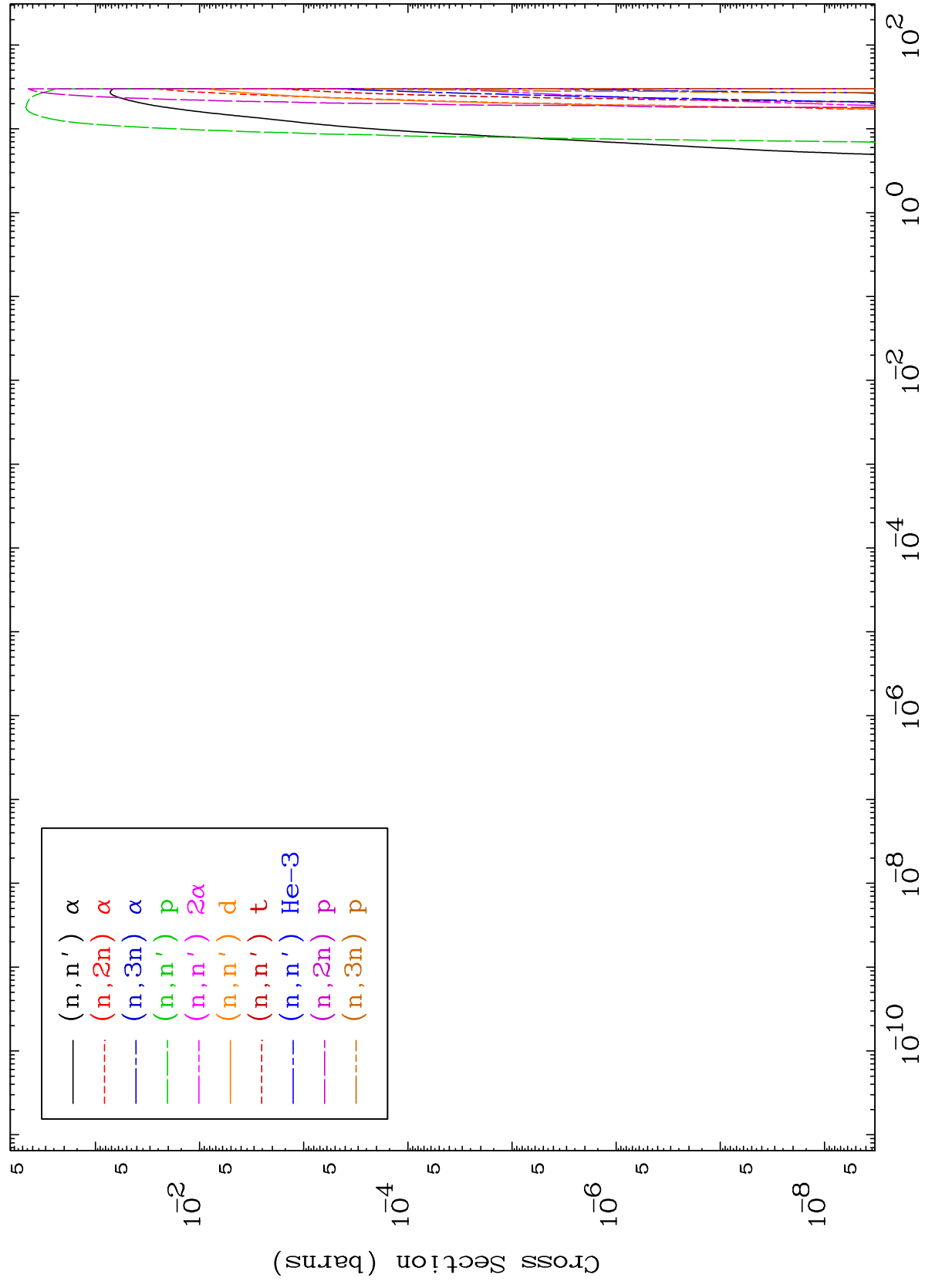
Incident Energy (MeV)

62-Sm-140

MAT 6213

Charged Particle
293 Kelvin Cross Sections

62-Sm-140

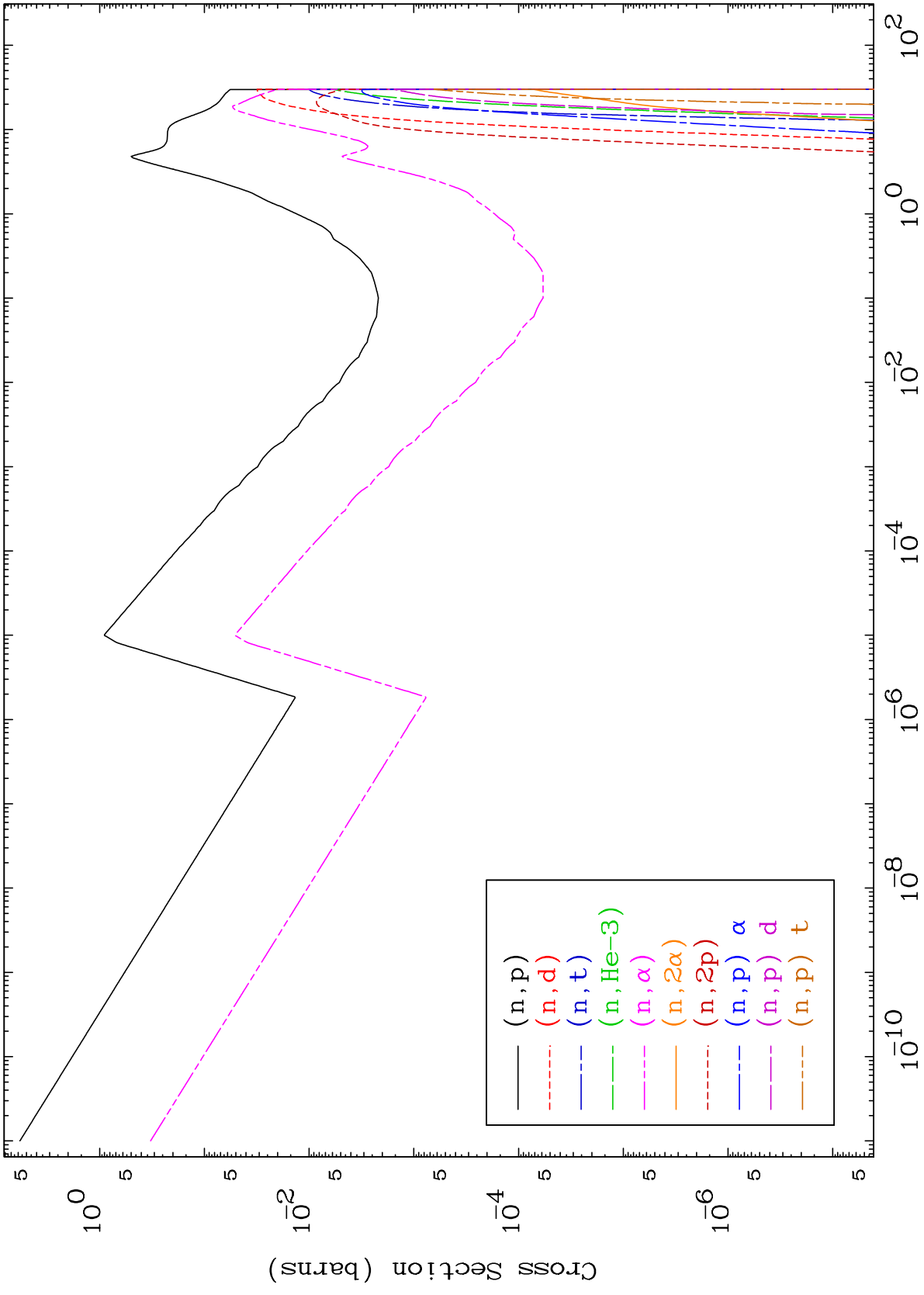


62-Sm-140

MAT 6213

Charged Particle
293 Kelvin Cross Sections

62-Sm-140



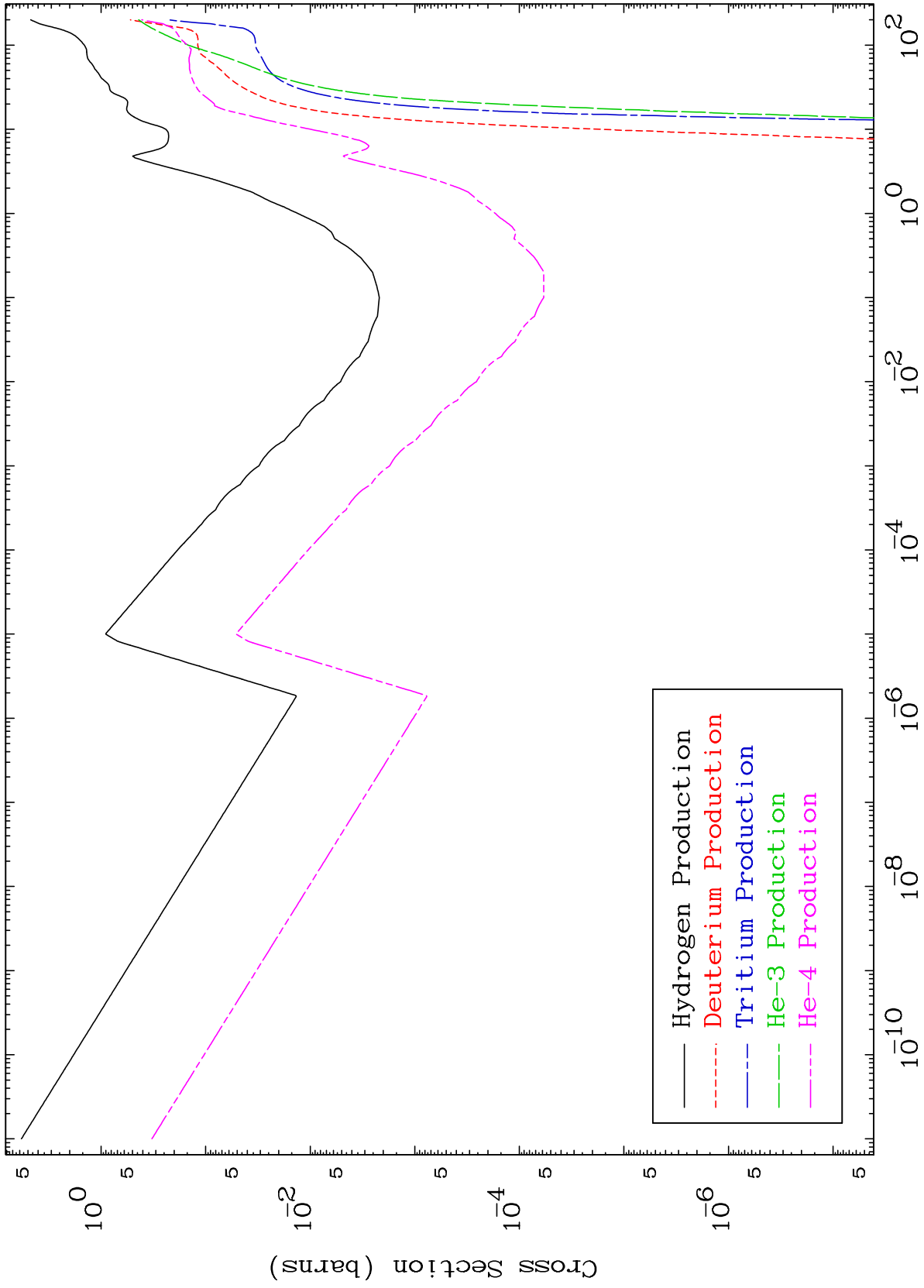
5

62-Sm-140

MAT 6213

Particle Production
293 Kelvin Cross Sections

62-Sm-140

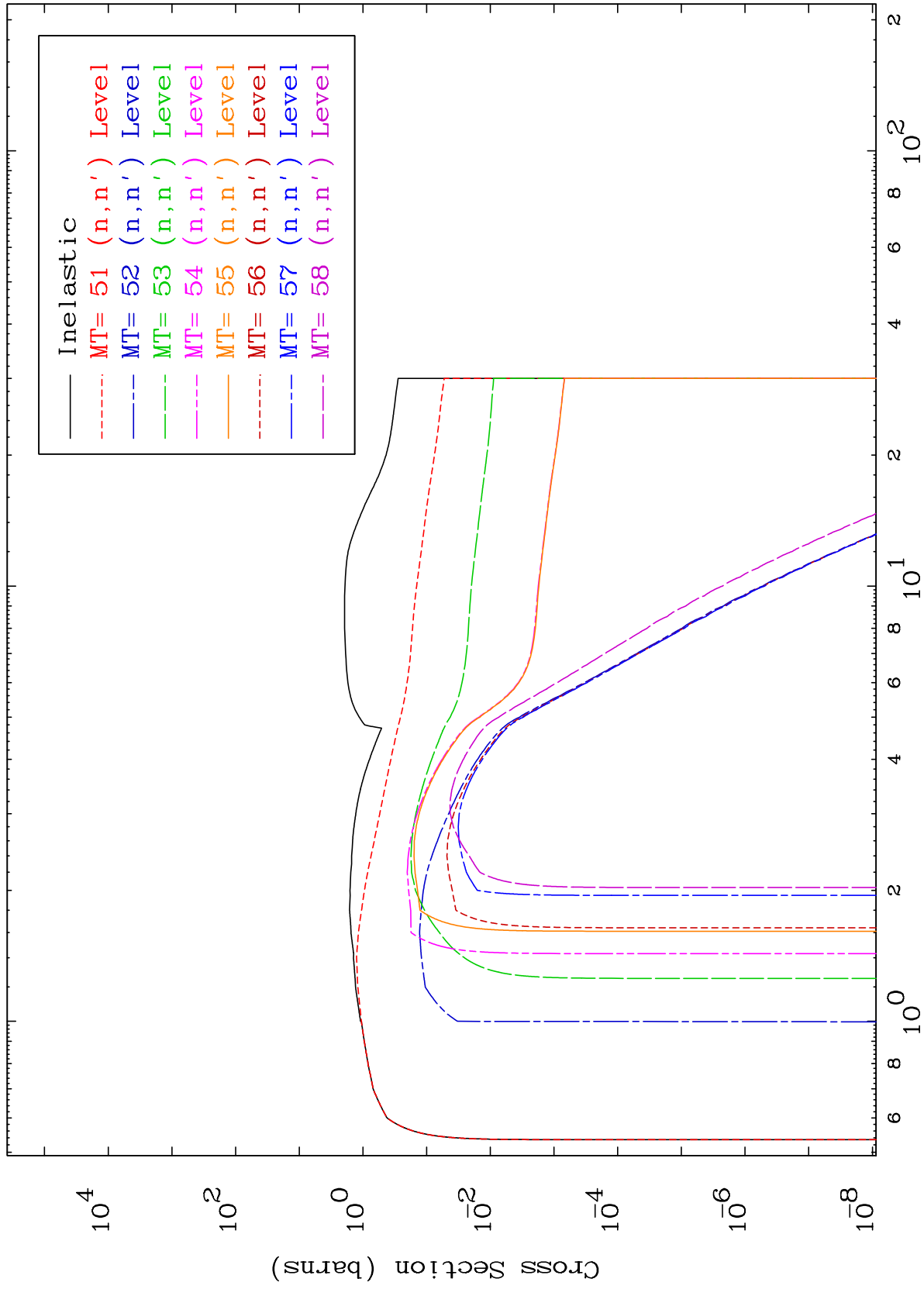


MAT 6213

(n,n') Level

62-Sm-140

293 Kelvin Cross Sections



7

Incident Energy (MeV)

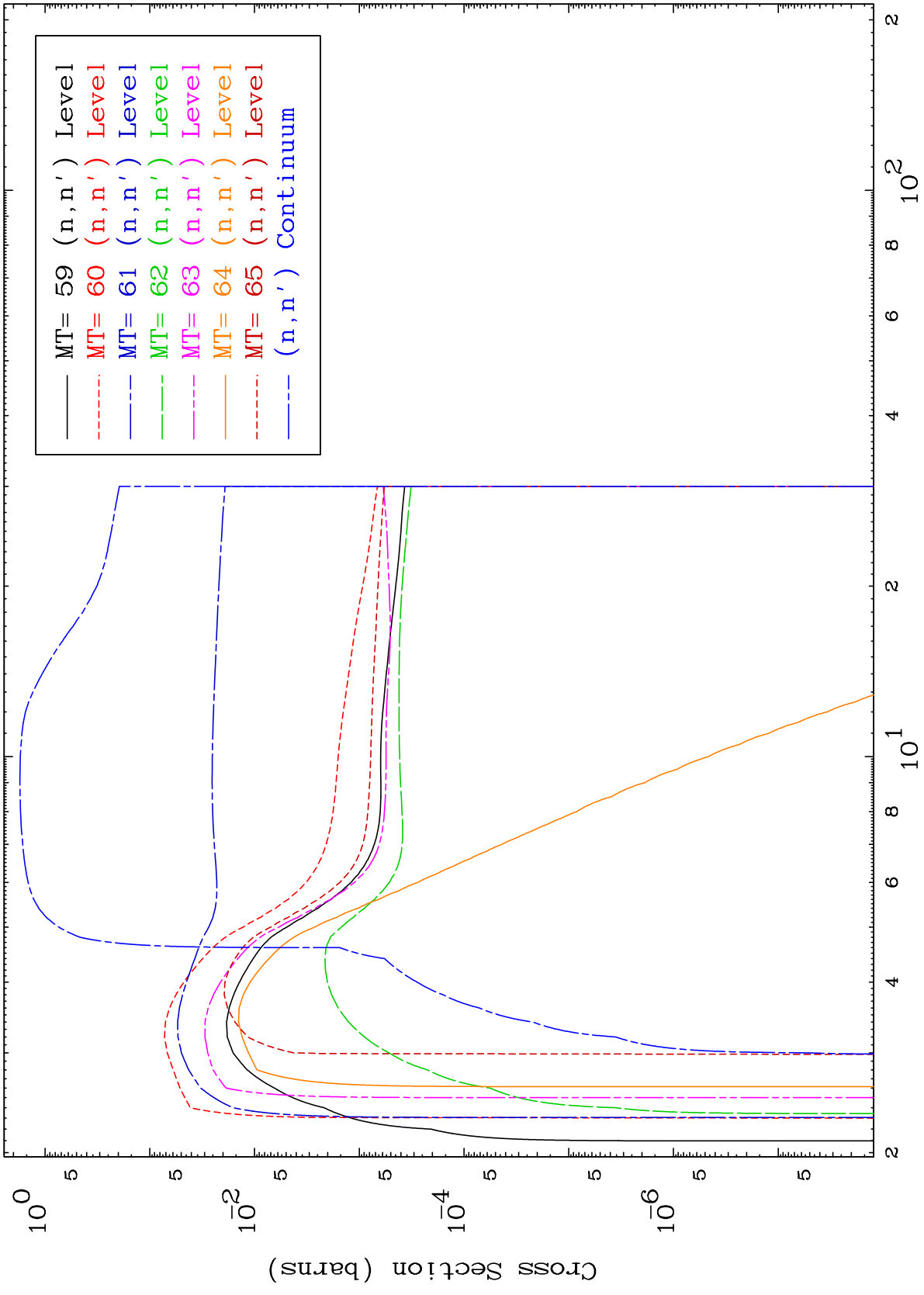
62-Sm-140

MAT 6213

(n,n') Level

62-Sm-140

293 Kelvin Cross Sections



8

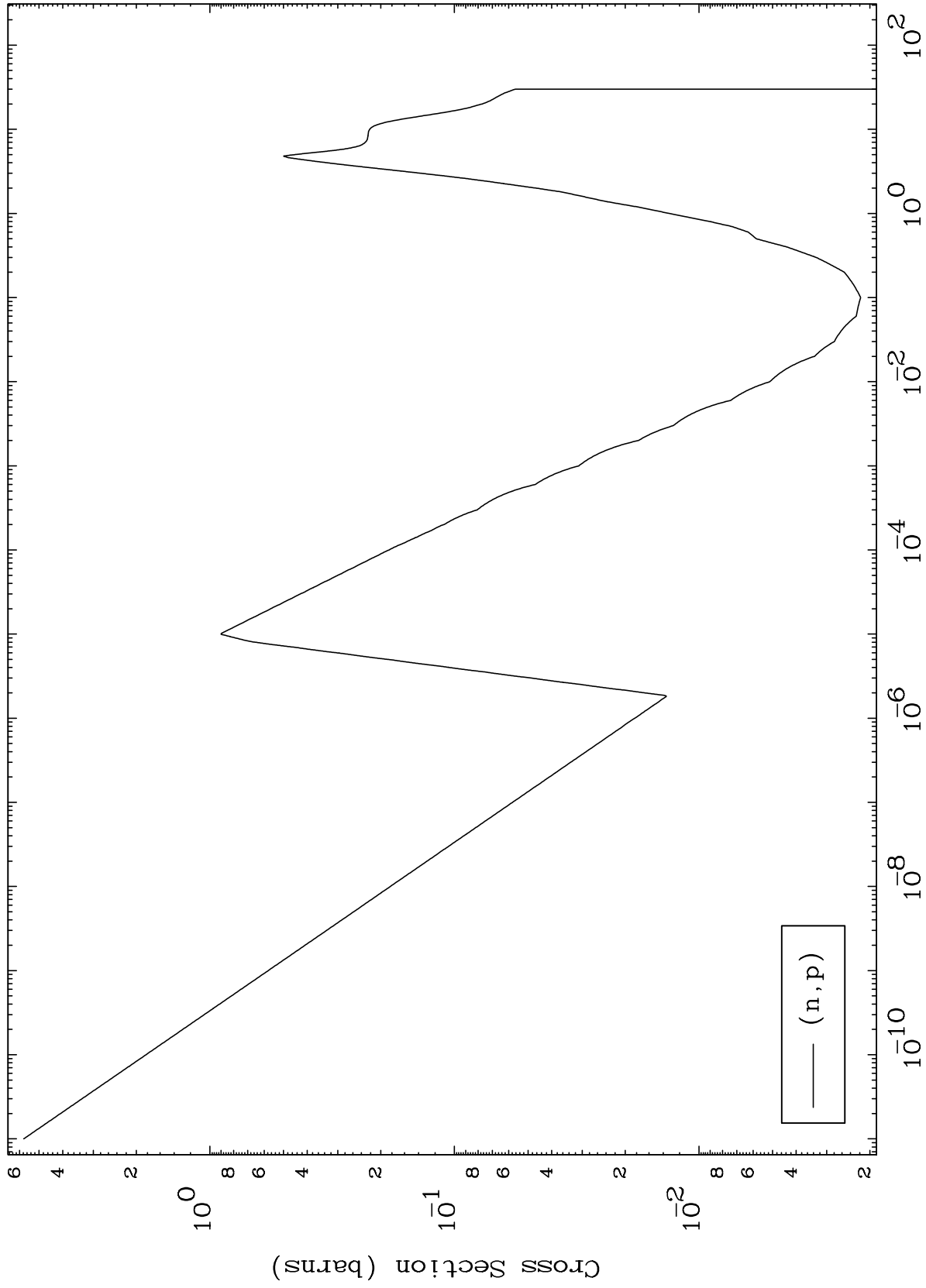
Incident Energy (MeV)

62-Sm-140

MAT 6213

(n,p) Levels
293 Kelvin Cross Sections

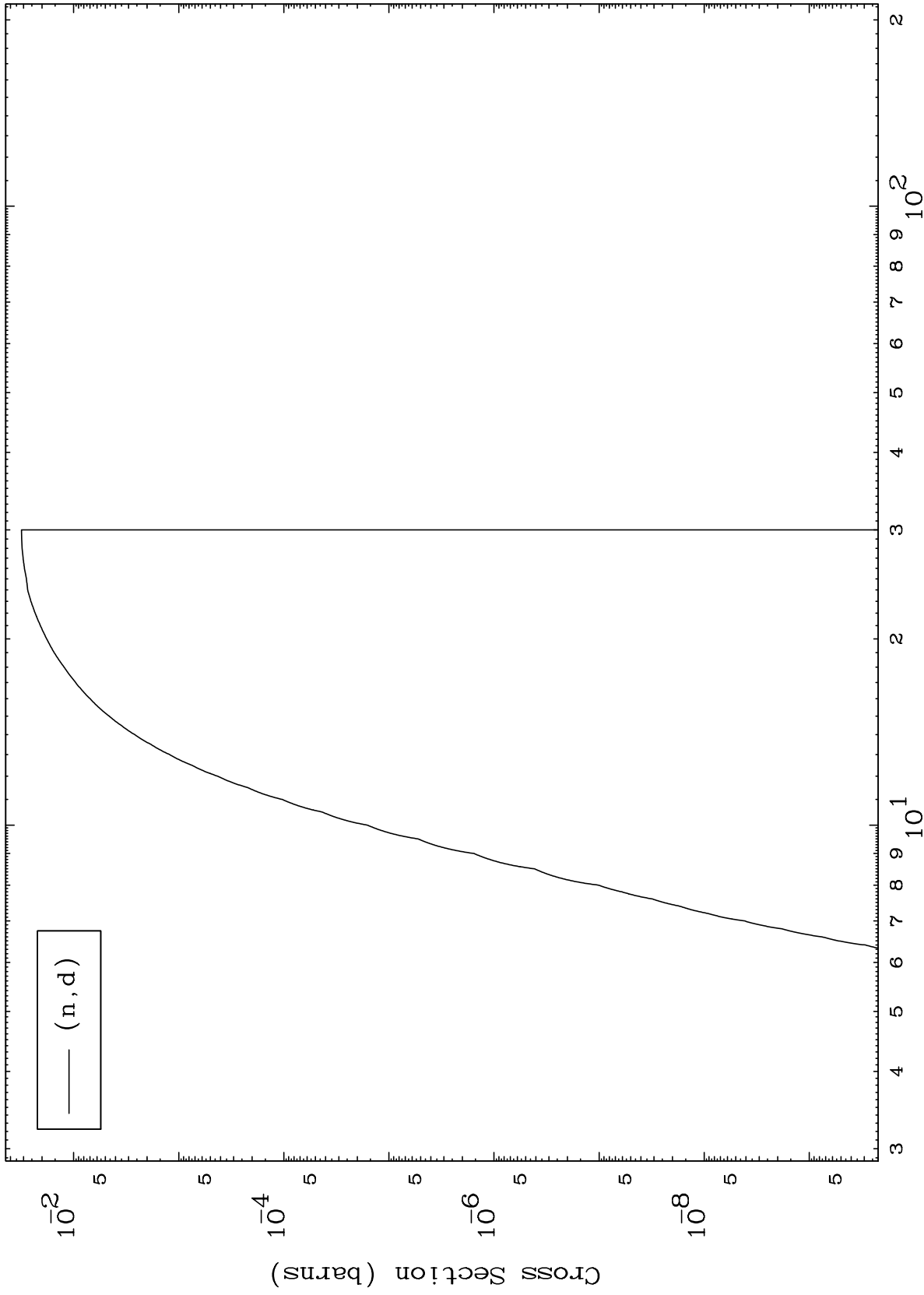
62-Sm-140



MAT 6213

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-140



10

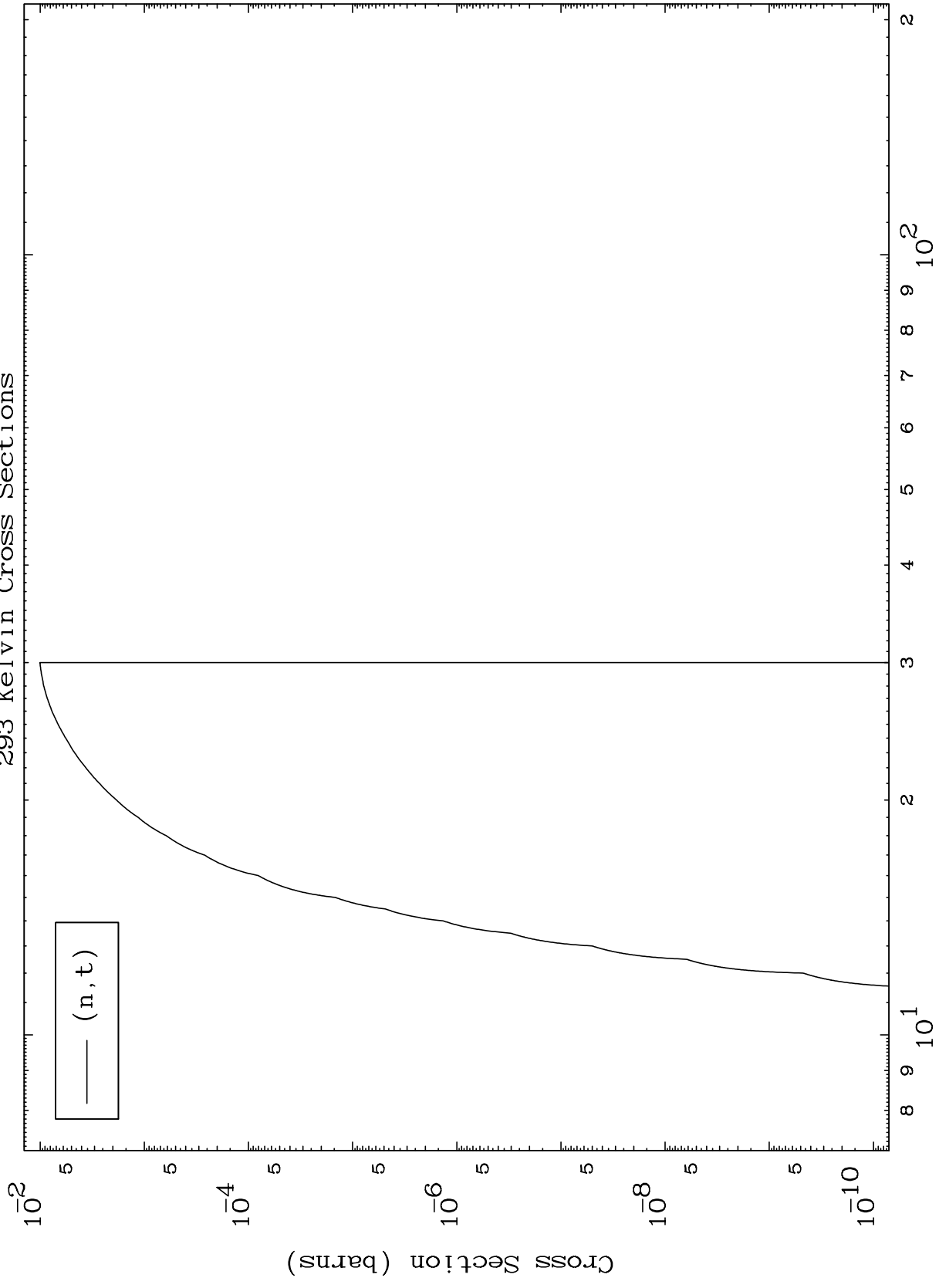
Incident Energy (MeV)

62-Sm-140

MAT 6213

62-Sm-140

(n,t) Levels
293 Kelvin Cross Sections



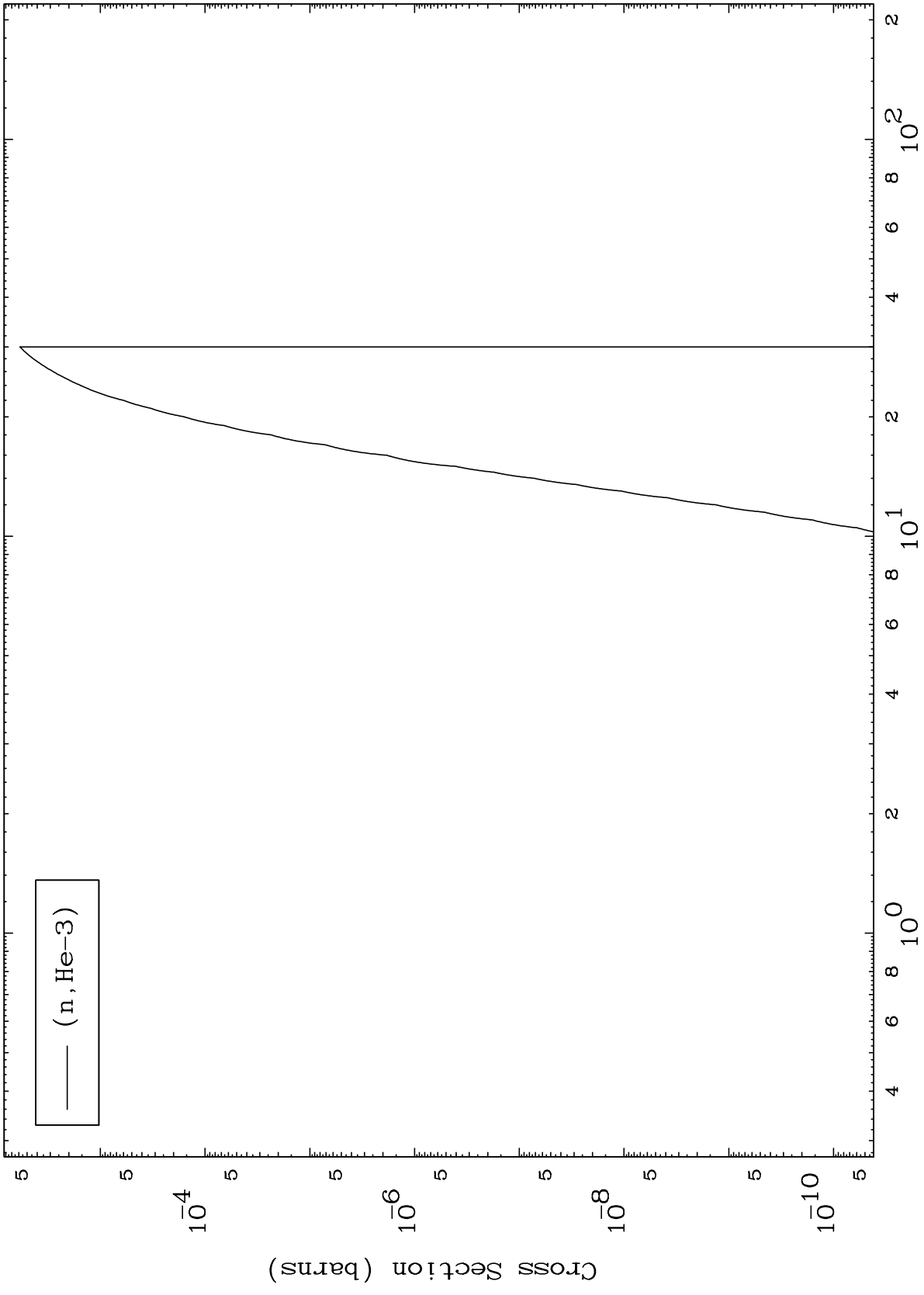
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62-Sm-140

MAT 6213

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-140



12

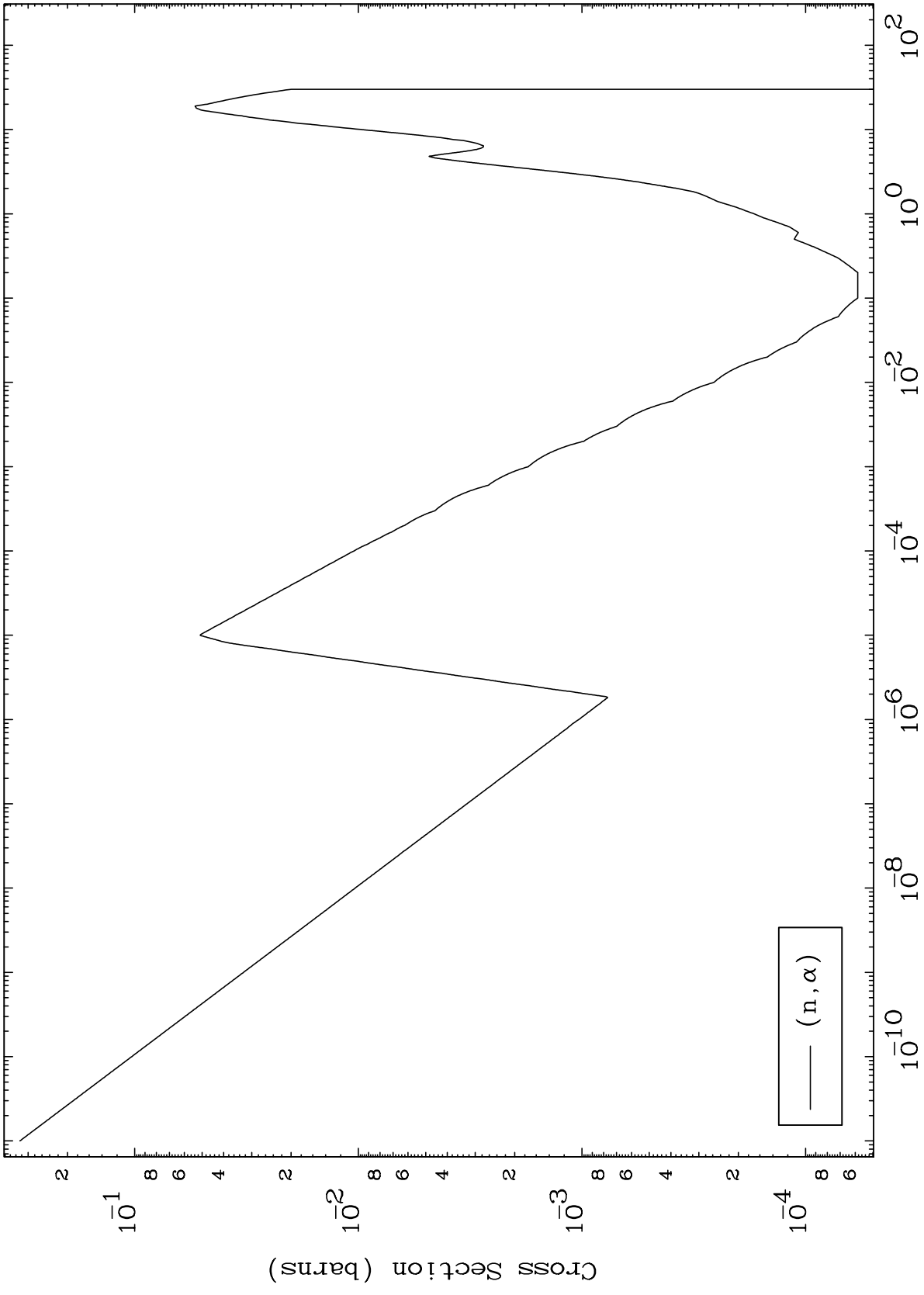
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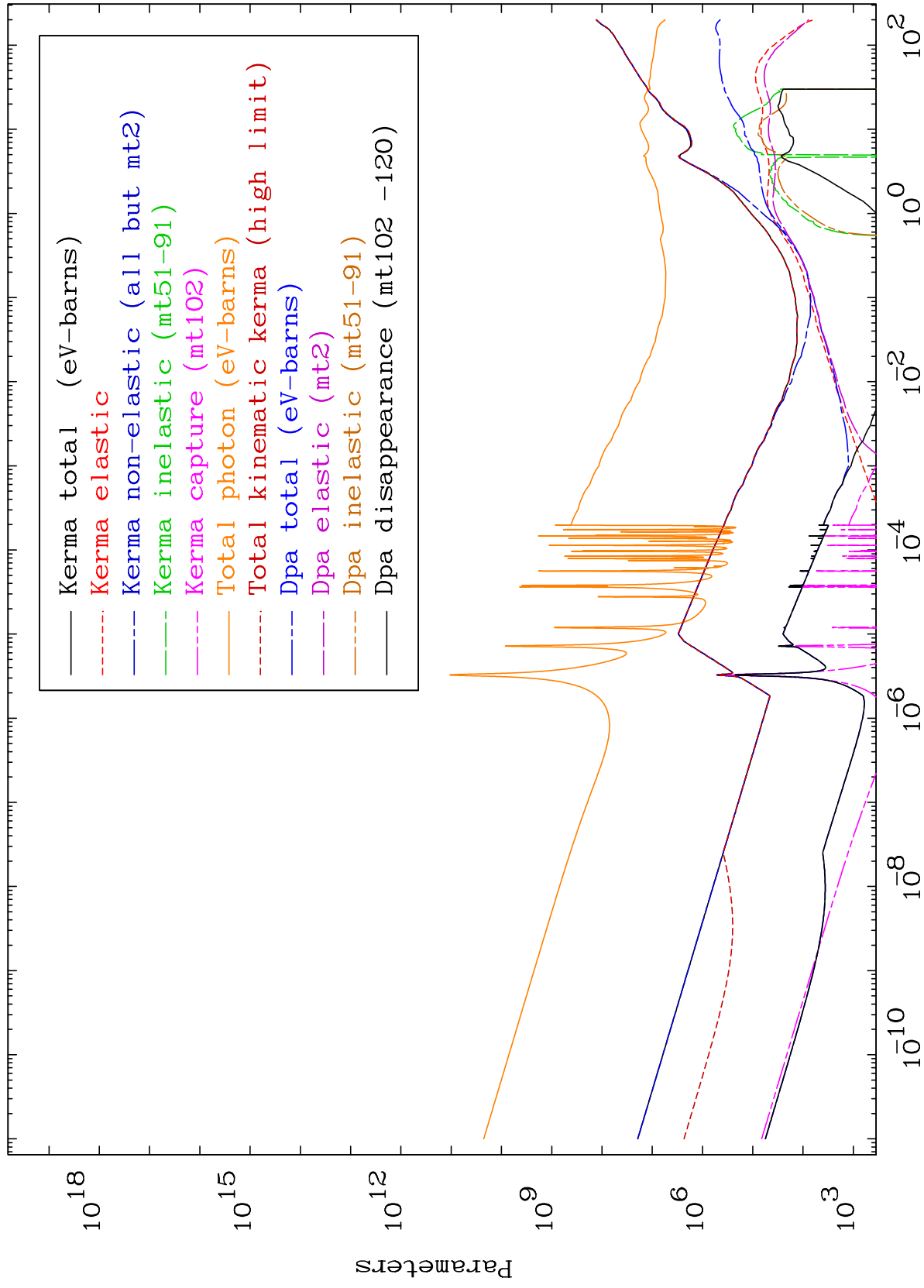
62-Sm-140

MAT 6213

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-140

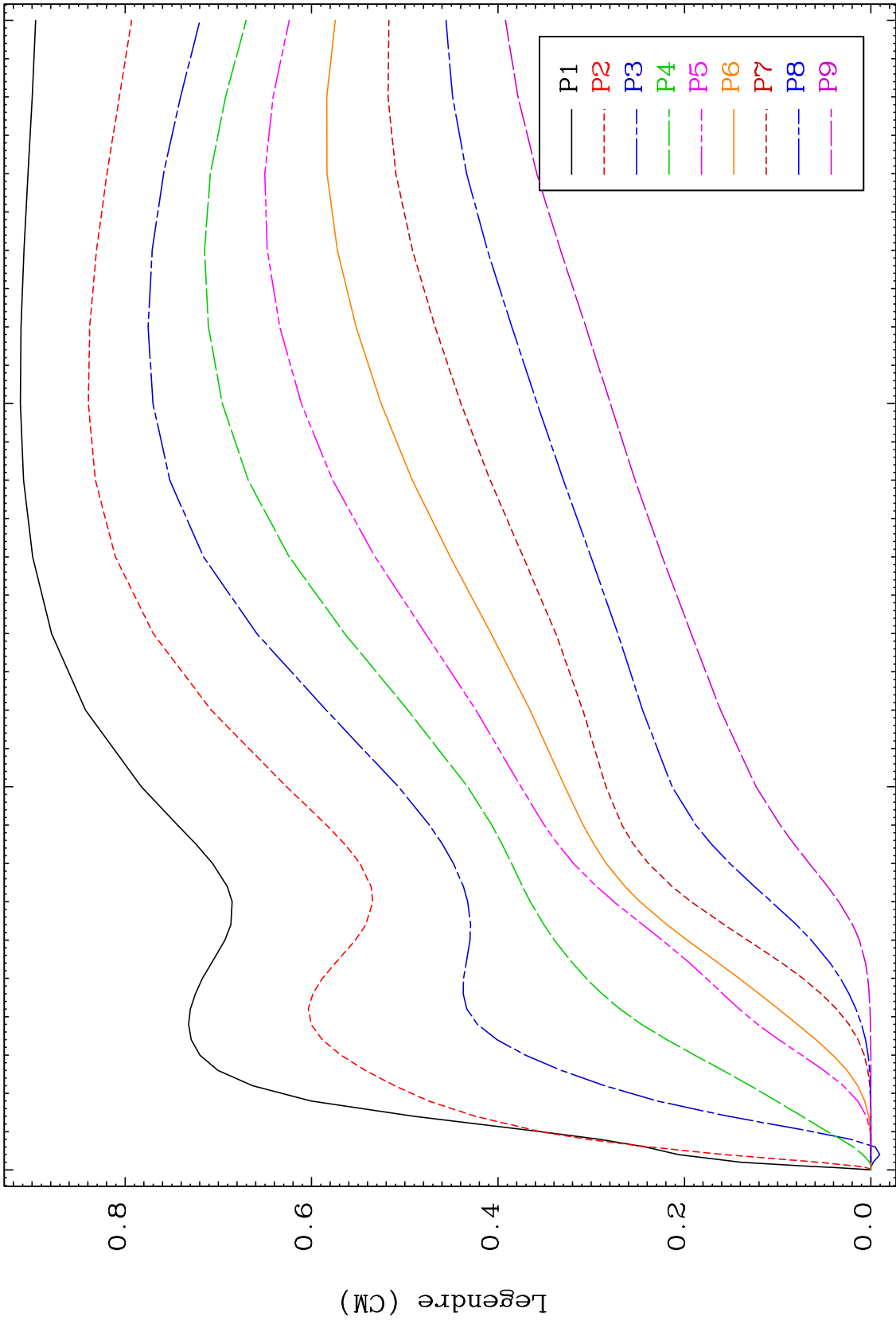




MAT 6213

Elastic Legendre Coefficients

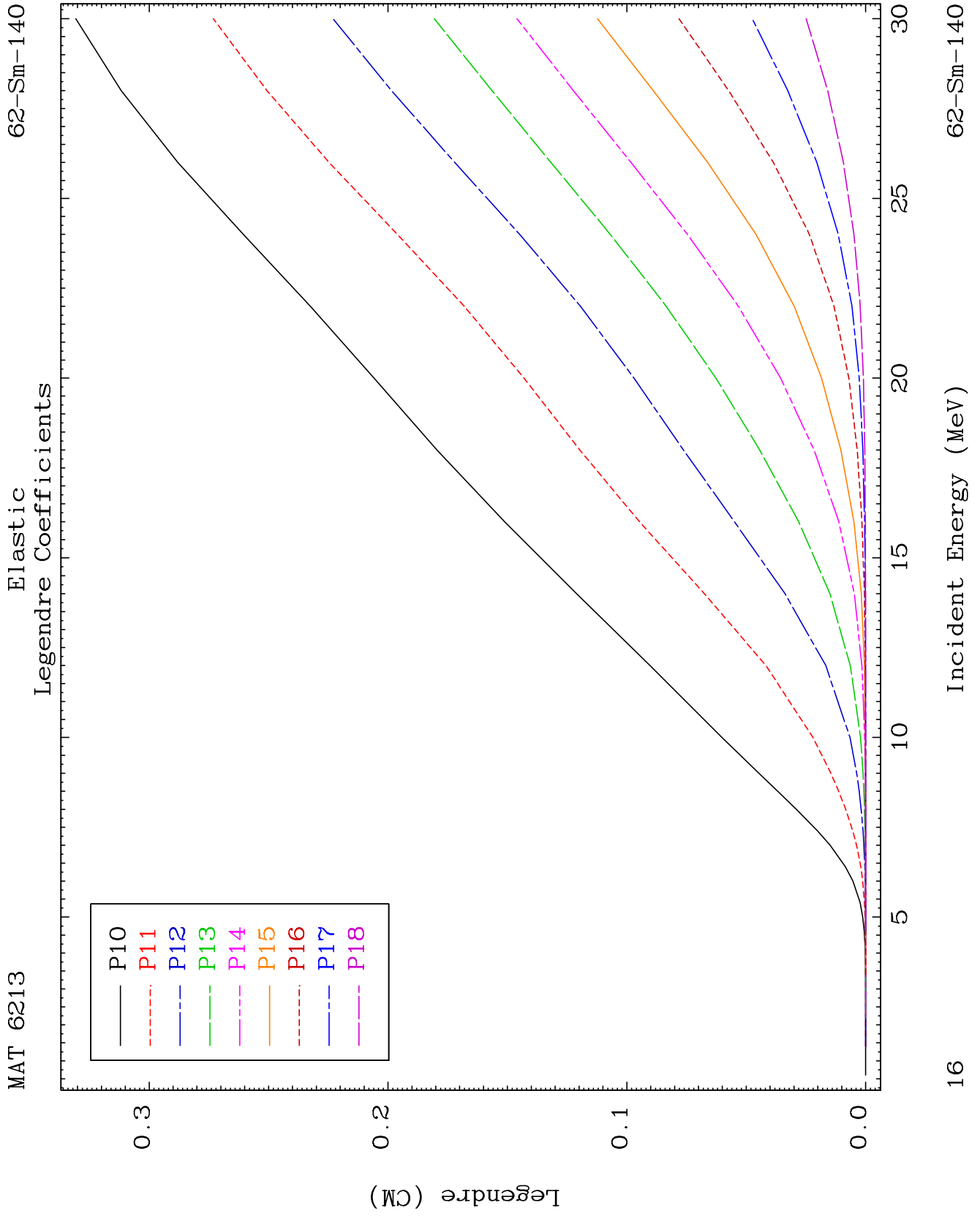
62-Sm-140



15

Incident Energy (MeV)

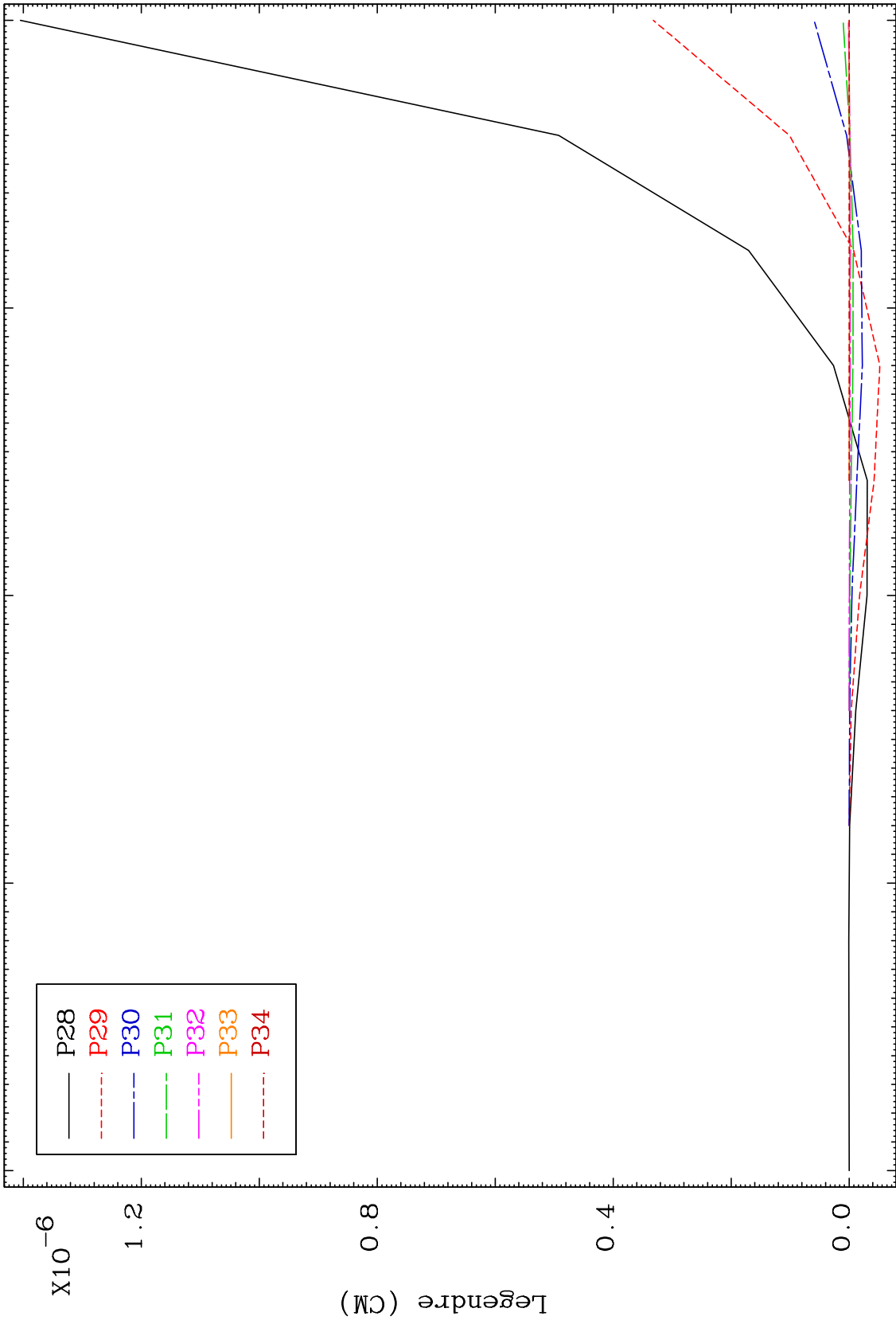
62-Sm-140



MAT 6213

Elastic Legendre Coefficients

62-Sm-140

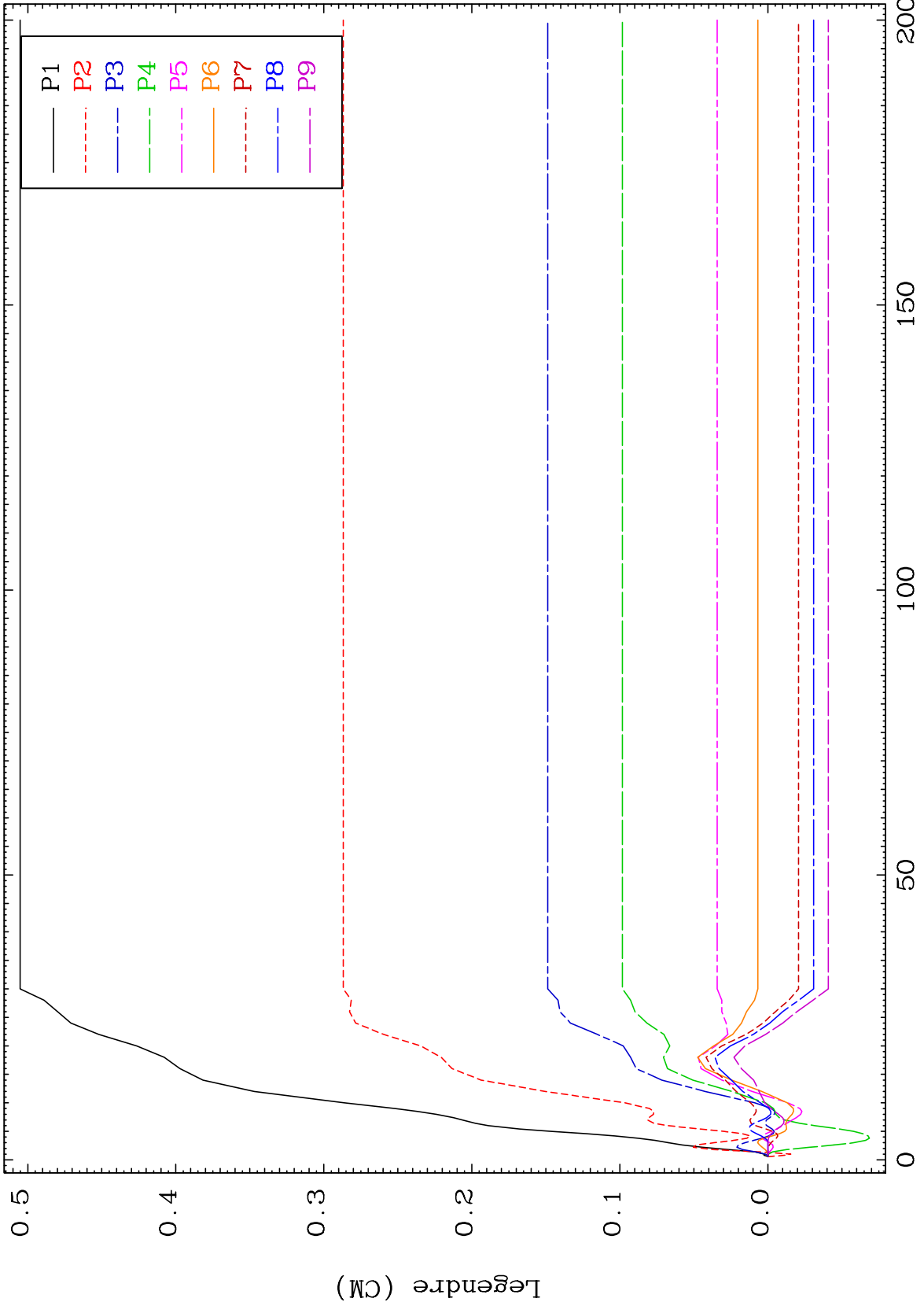


18

Incident Energy (MeV)

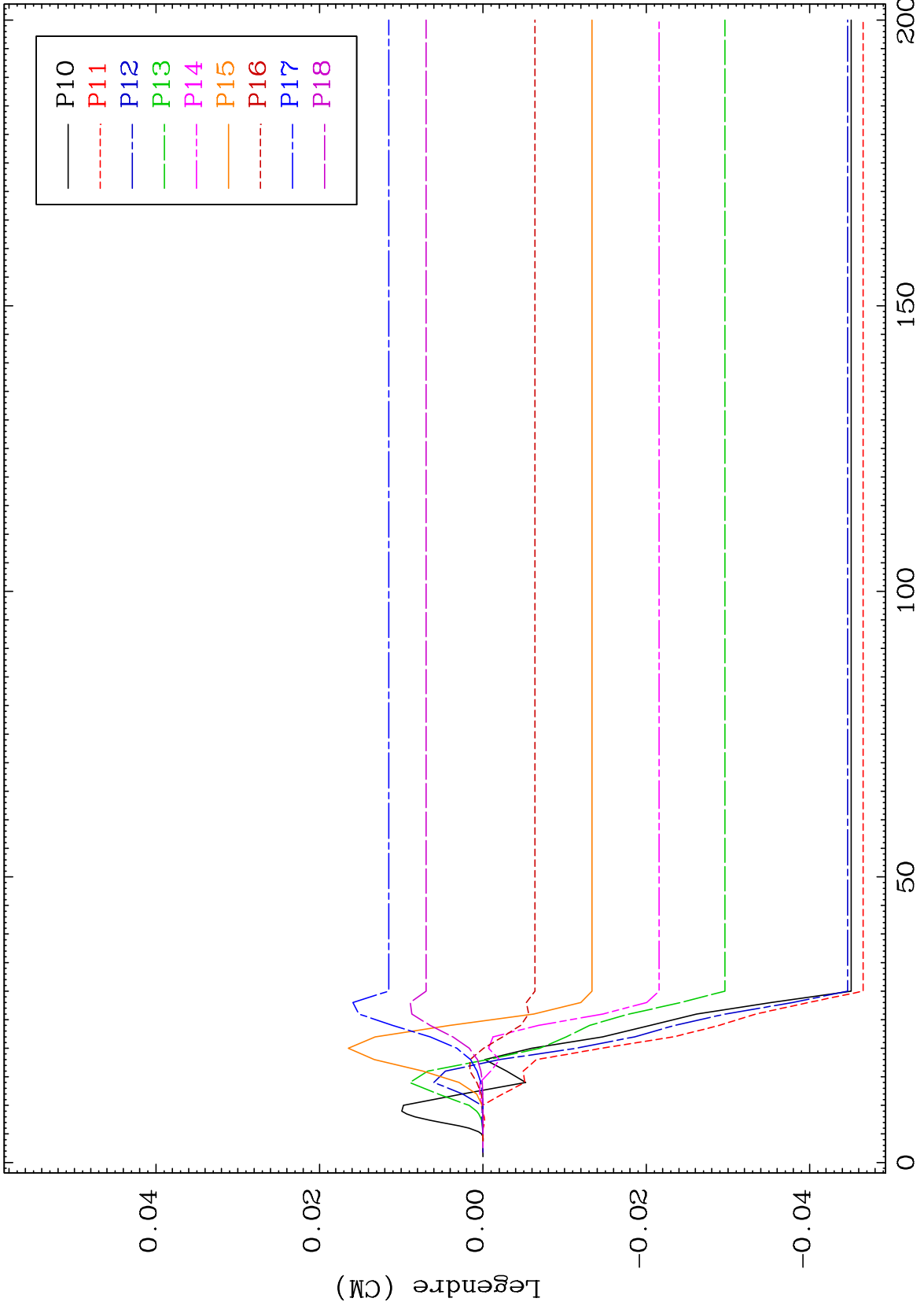
62-Sm-140

MAT 6213 MT= 51 (n,n') Level Legendre Coefficients 62-Sm-140



19 62-Sm-140

MAT 6213 MT= 51 (n,n') Level Legendre Coefficients 62-Sm-140

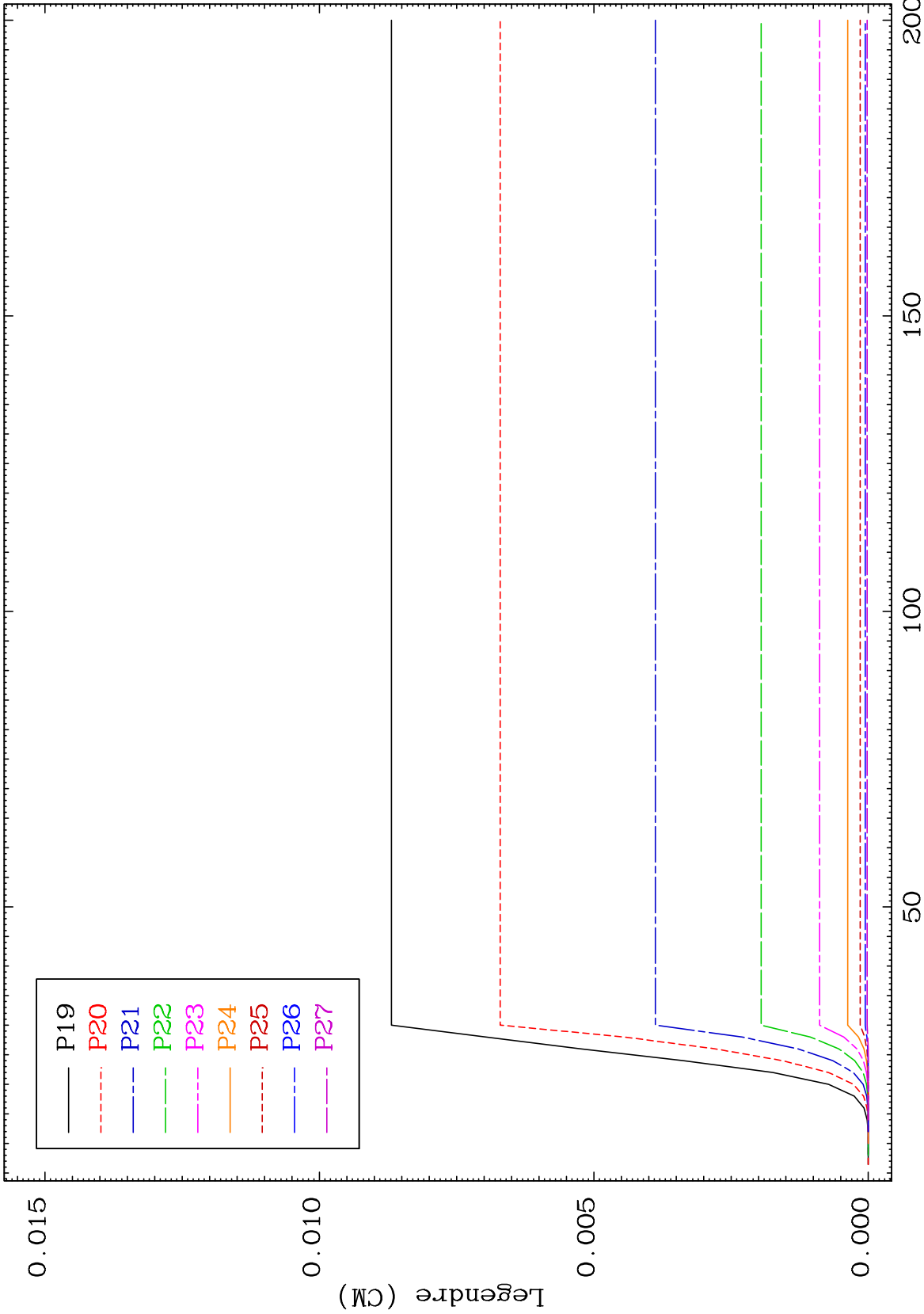


Incident Energy (MeV) 62-Sm-140

MAT 6213

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

62-Sm-140



21

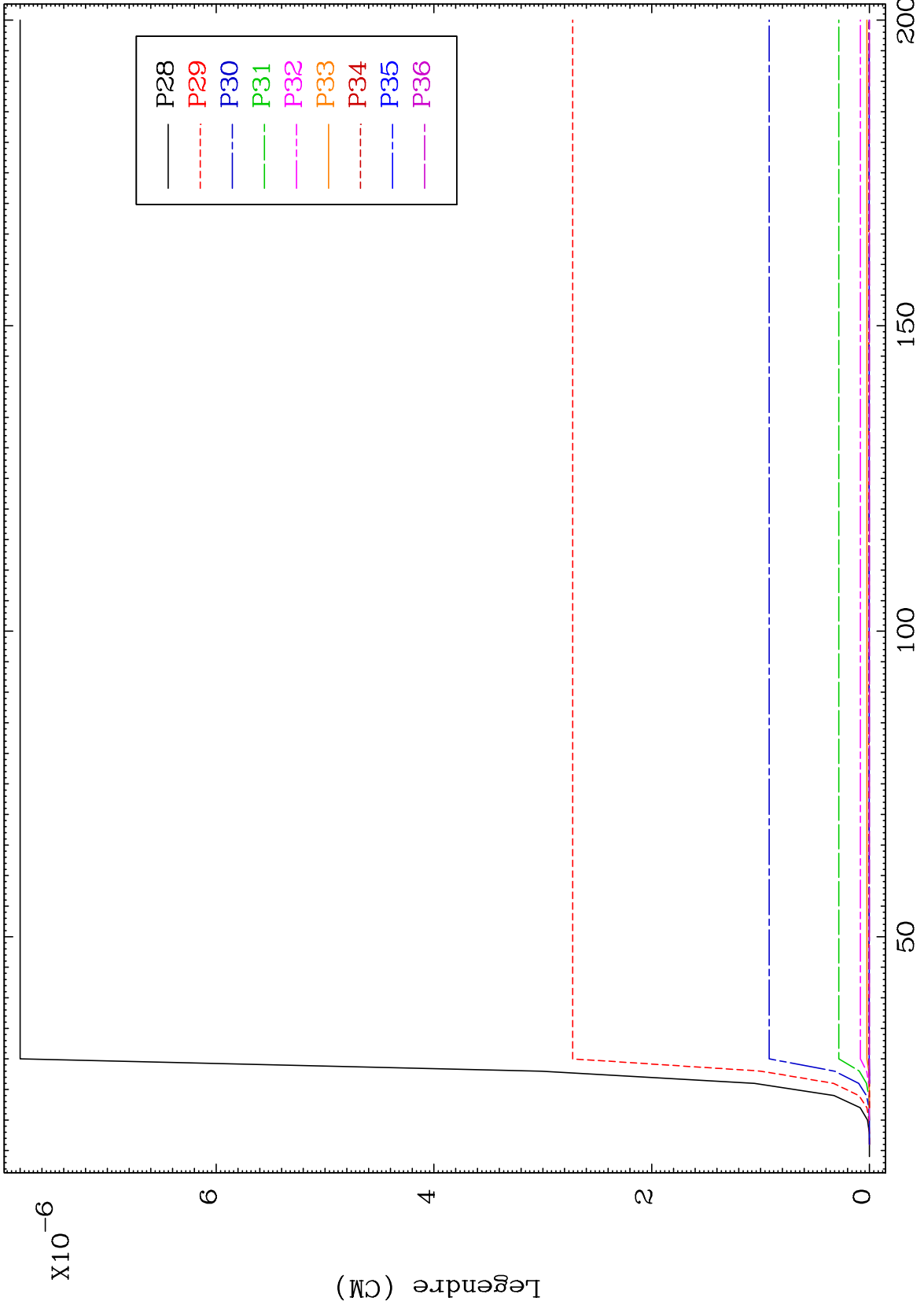
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140

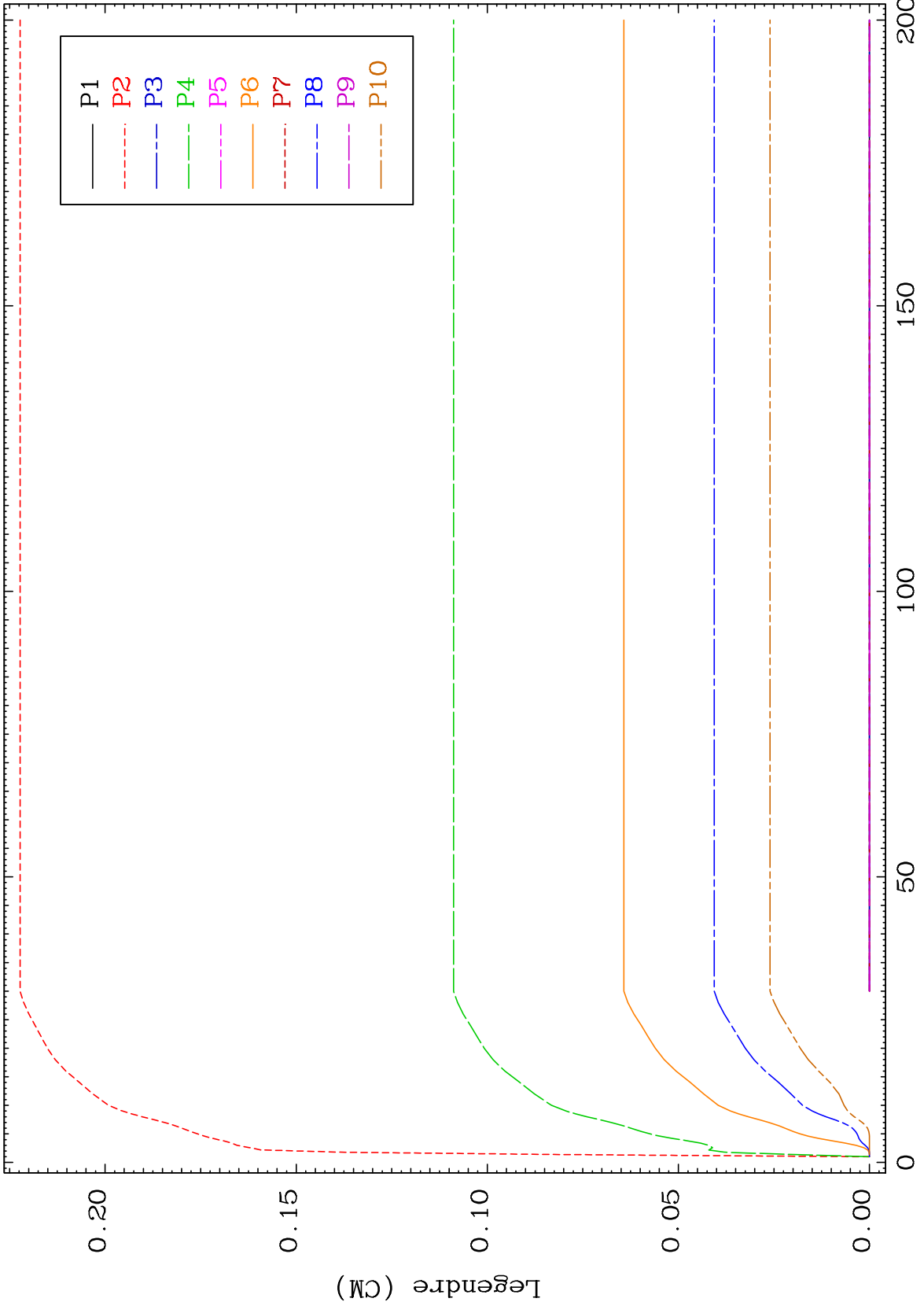


22

Incident Energy (MeV)

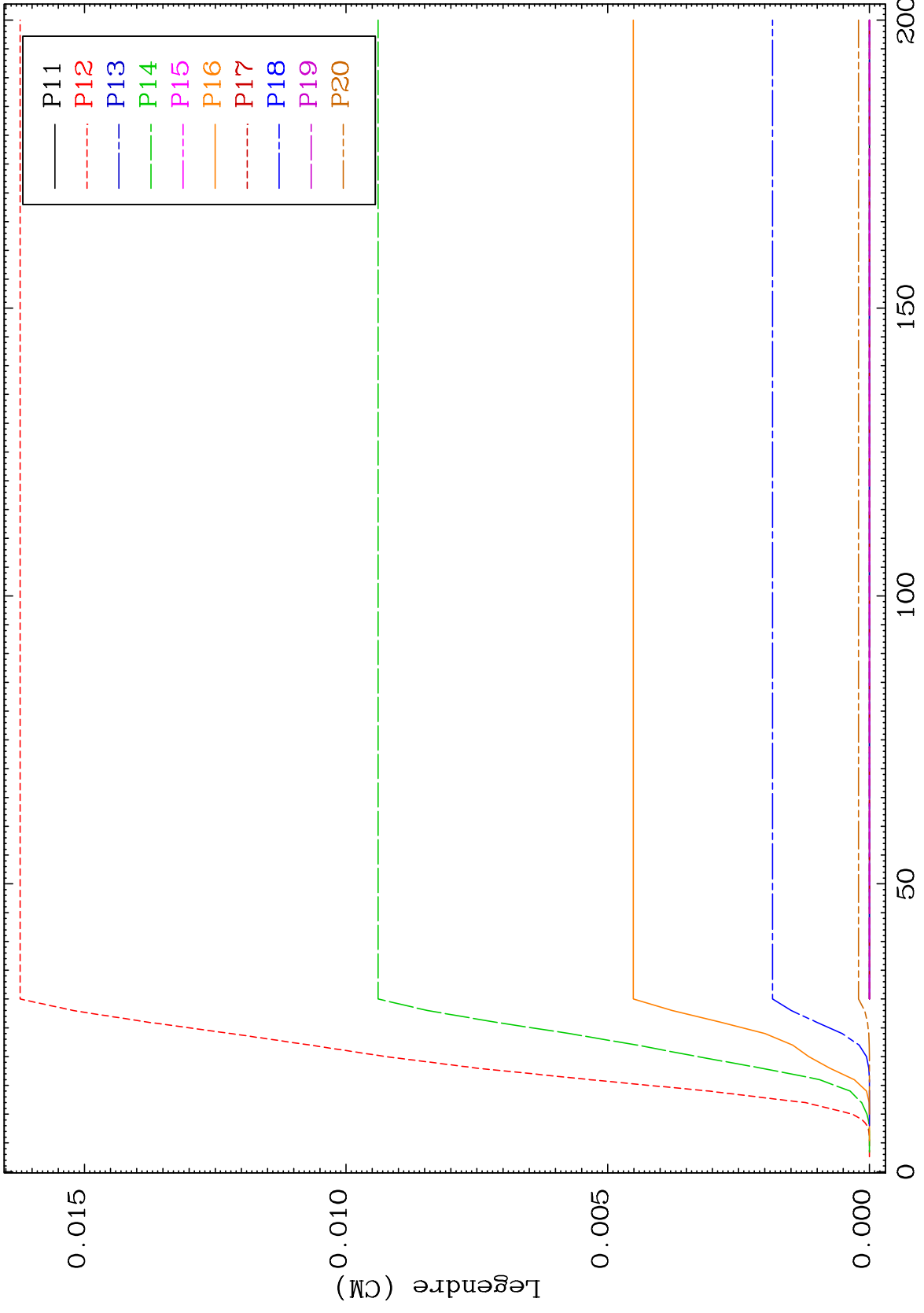
62-Sm-140

MAT 6213 MT= 52 (n,n') Level Legendre Coefficients 62-Sm-140



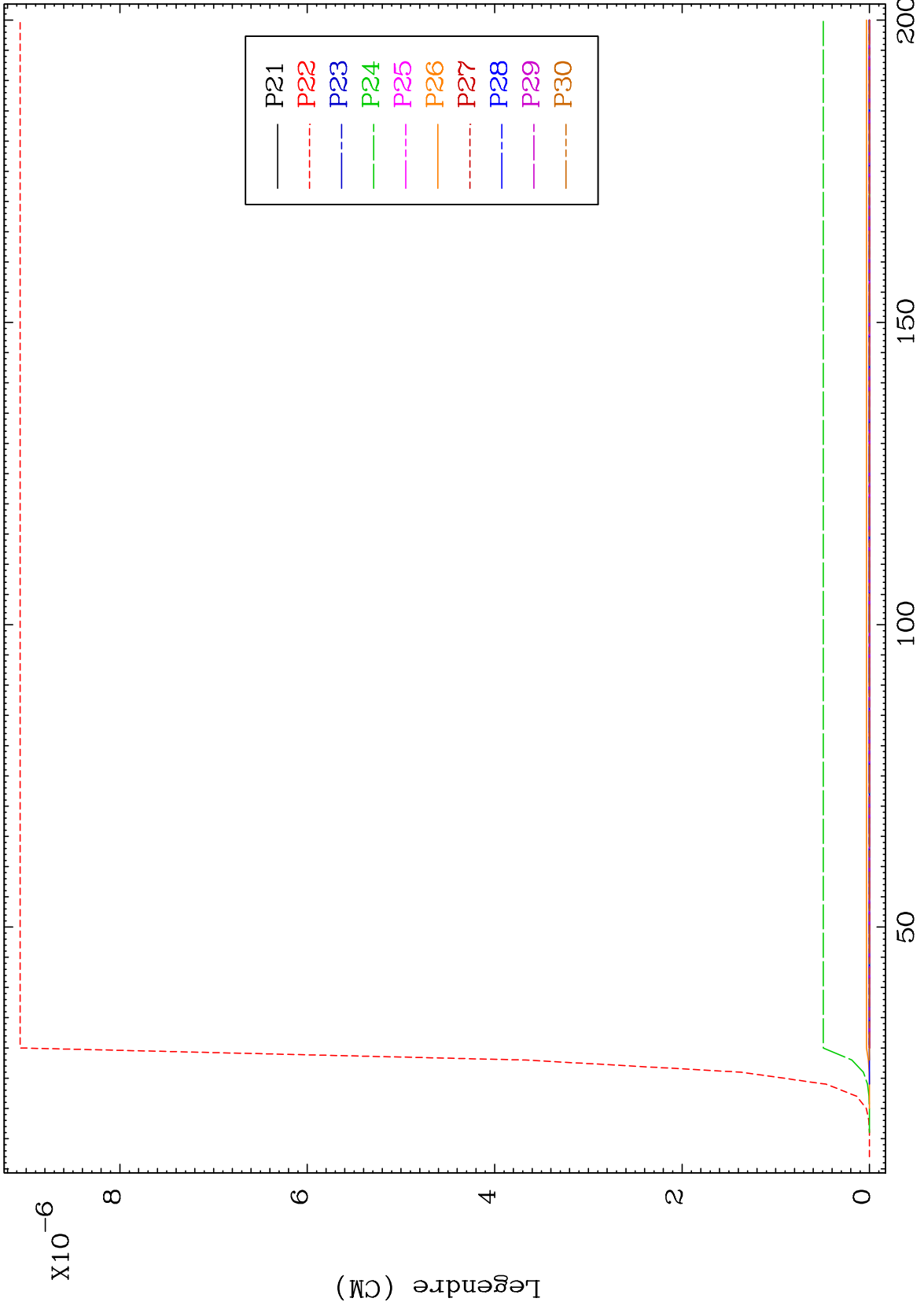
23 62-Sm-140

MAT 6213 MT= 52 (n,n') Level Legendre Coefficients 62-Sm-140



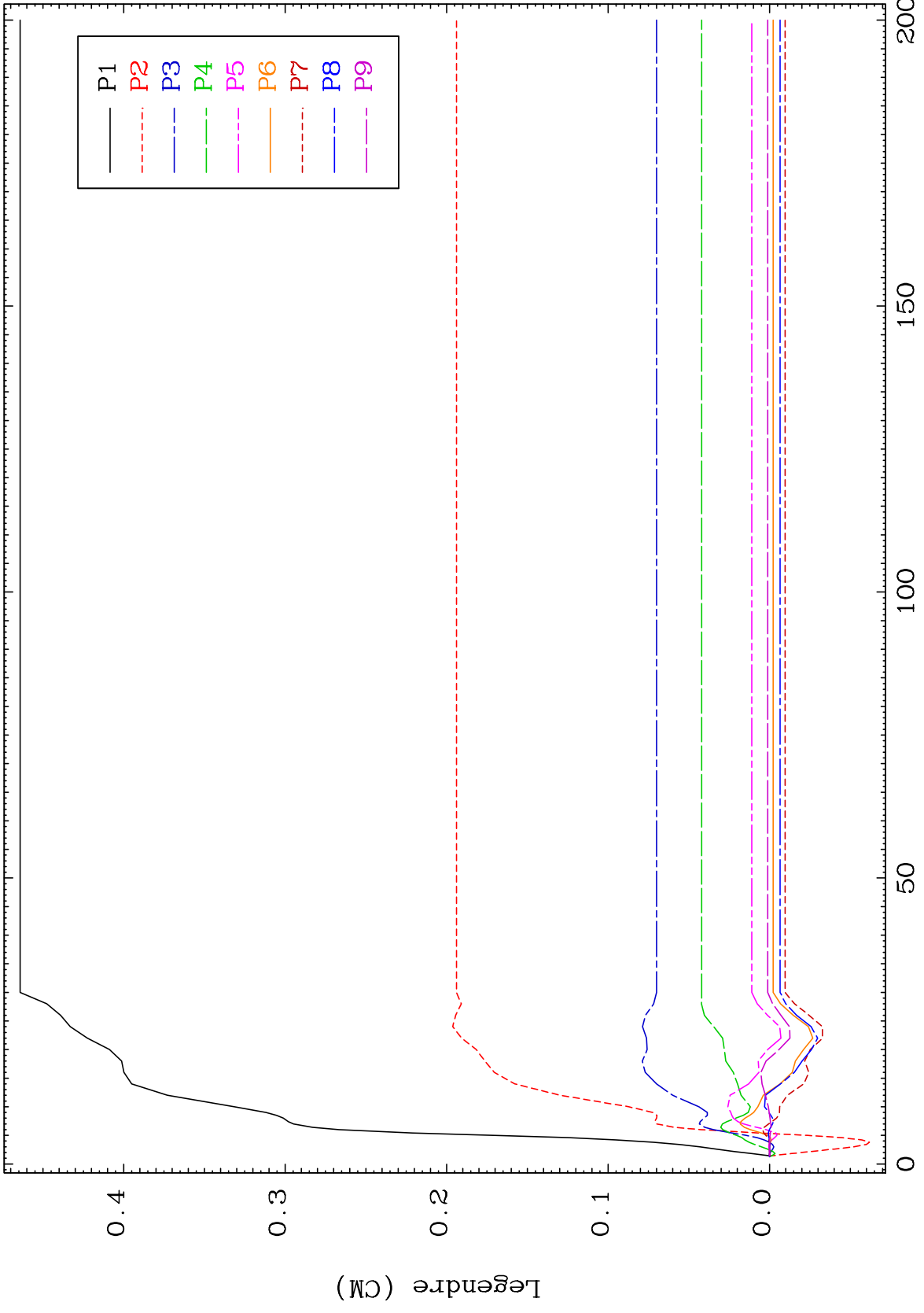
24 Incident Energy (MeV) 62-Sm-140

MAT 6213 MT= 52 (n,n') Level Legendre Coefficients 62-Sm-140



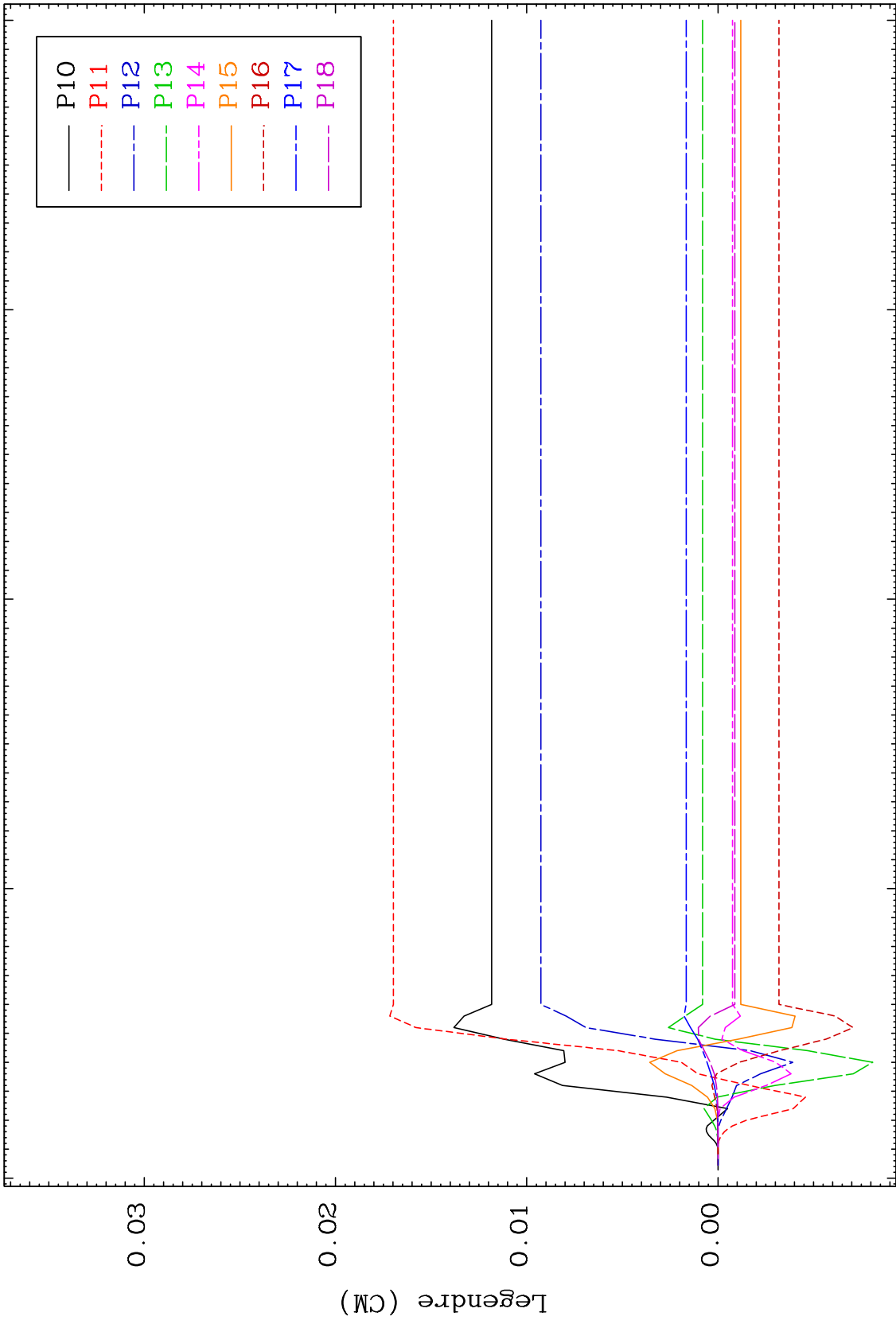
62-Sm-140

MAT 6213 MT= 53 (n,n') Level Legendre Coefficients 62-Sm-140



26 62-Sm-140

MAT 6213 MT= 53 (n,n') Level Legendre Coefficients 62-Sm-140

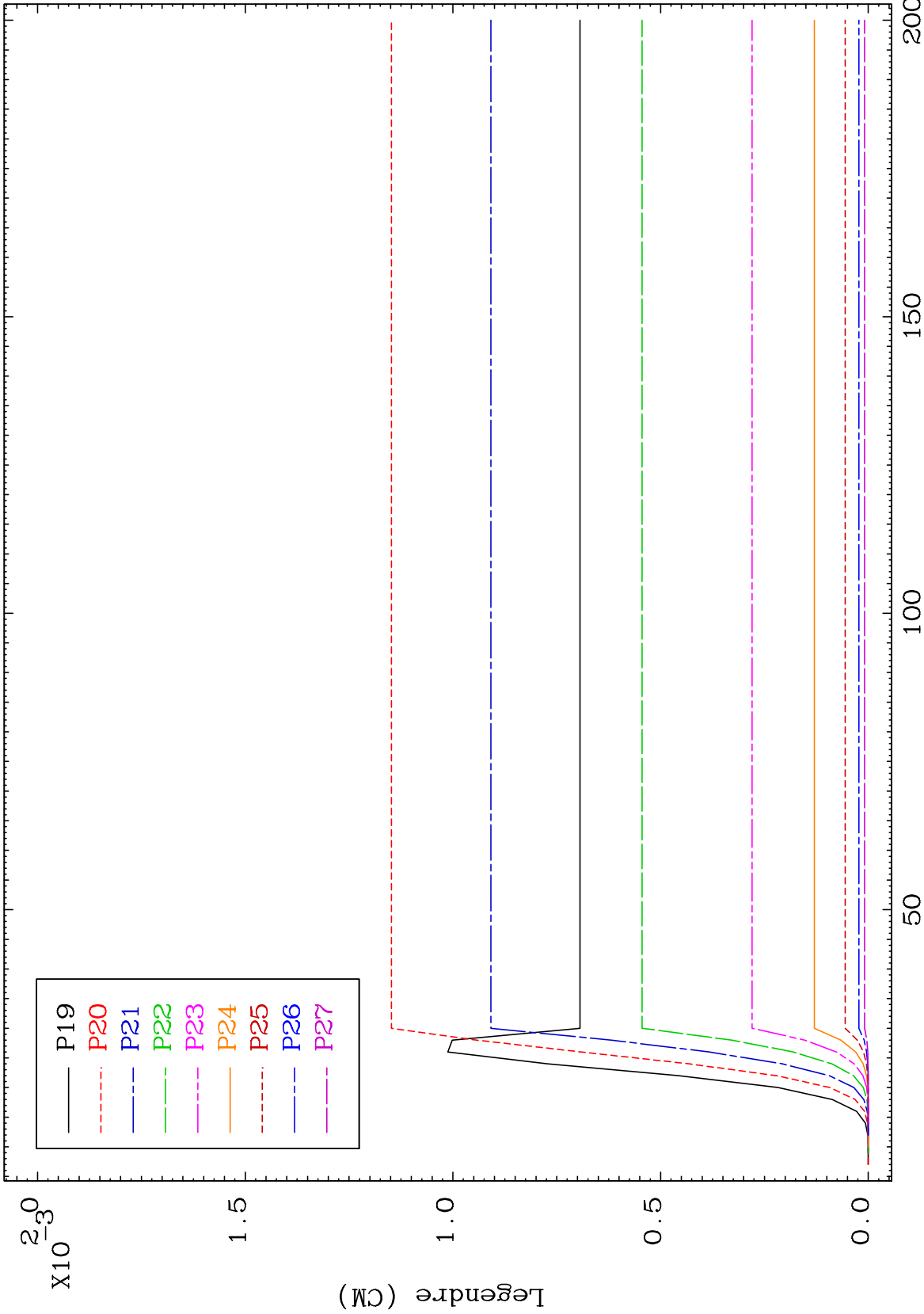


27 Incident Energy (MeV) 62-Sm-140

MAT 6213

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

62-Sm-140



28

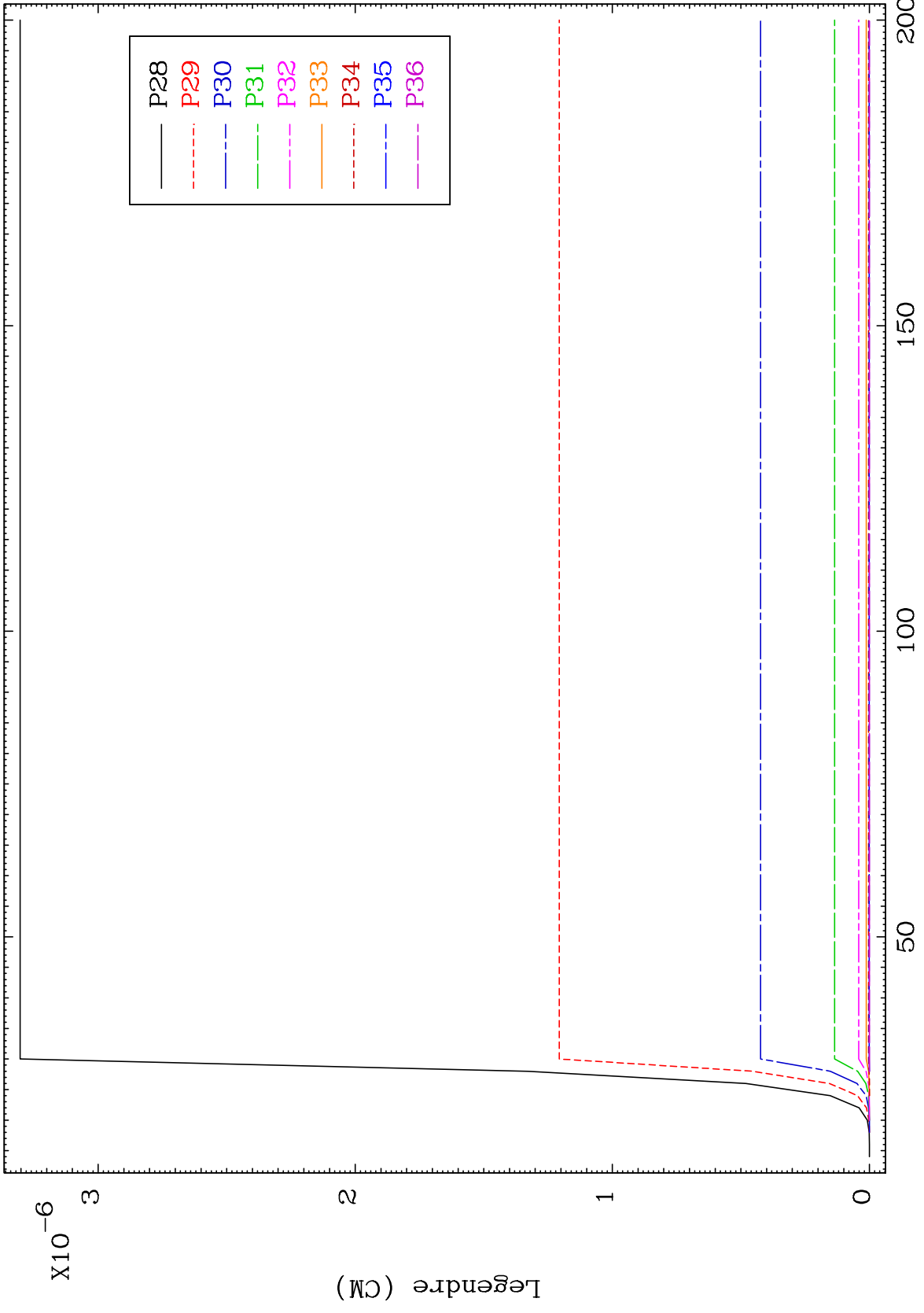
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140

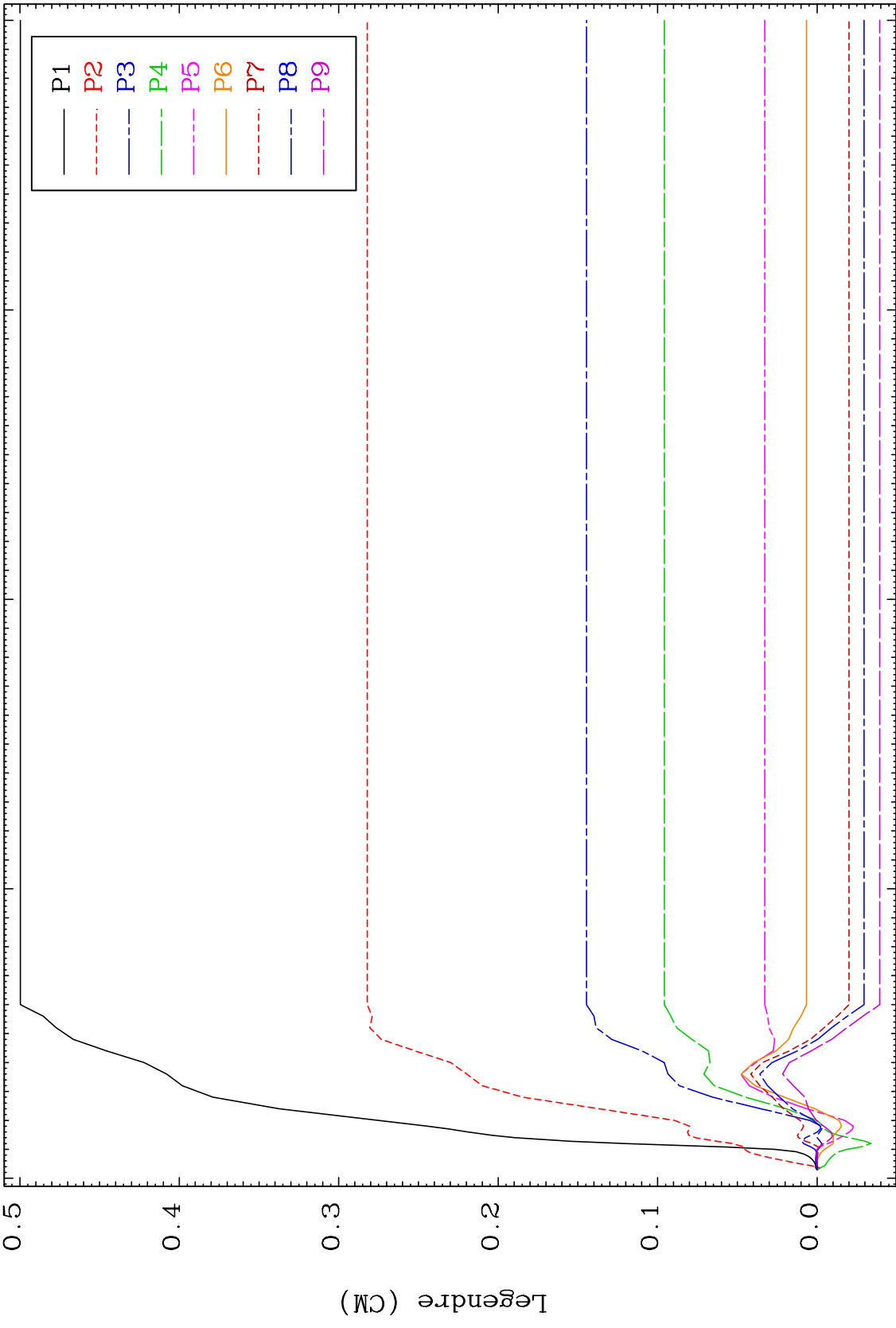


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Incident Energy (MeV)

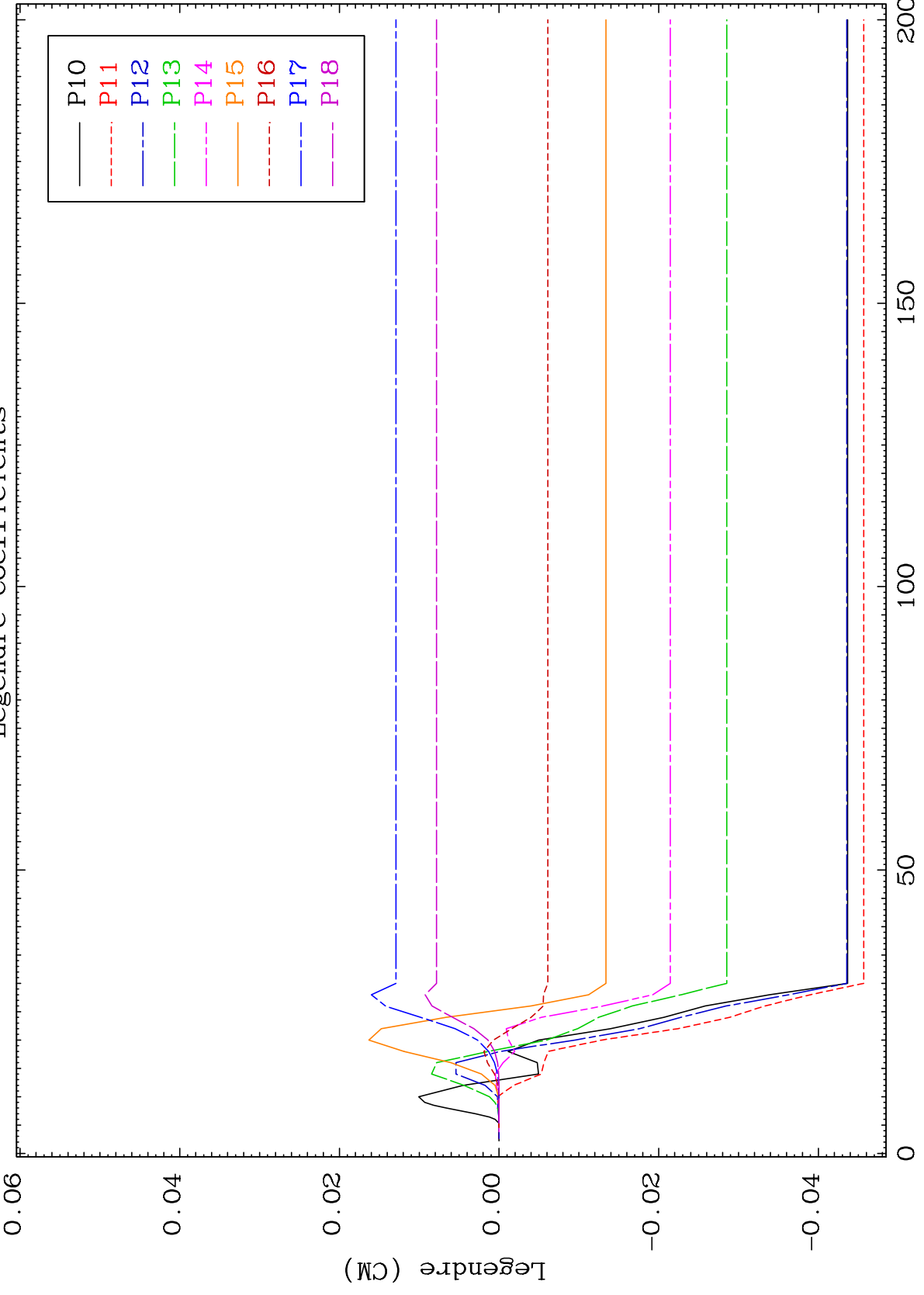
62-Sm-140

MAT 6213 MT= 54 (n,n') Level Legendre Coefficients 62-Sm-140

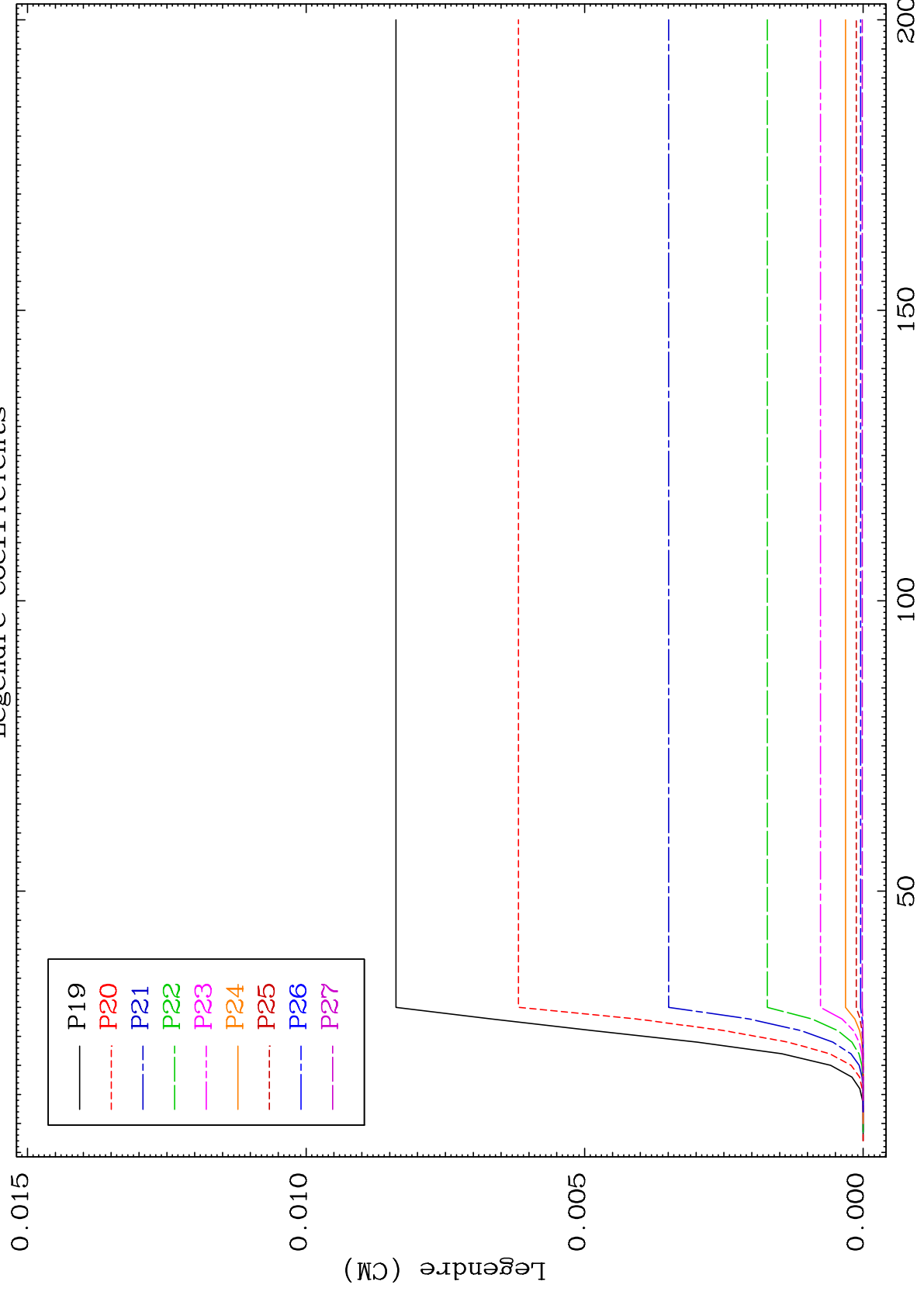


Legendre (CM) Incident Energy (MeV) 62-Sm-140

MAT 6213 MT= 54 (n,n') Level Legendre Coefficients 62-Sm-140



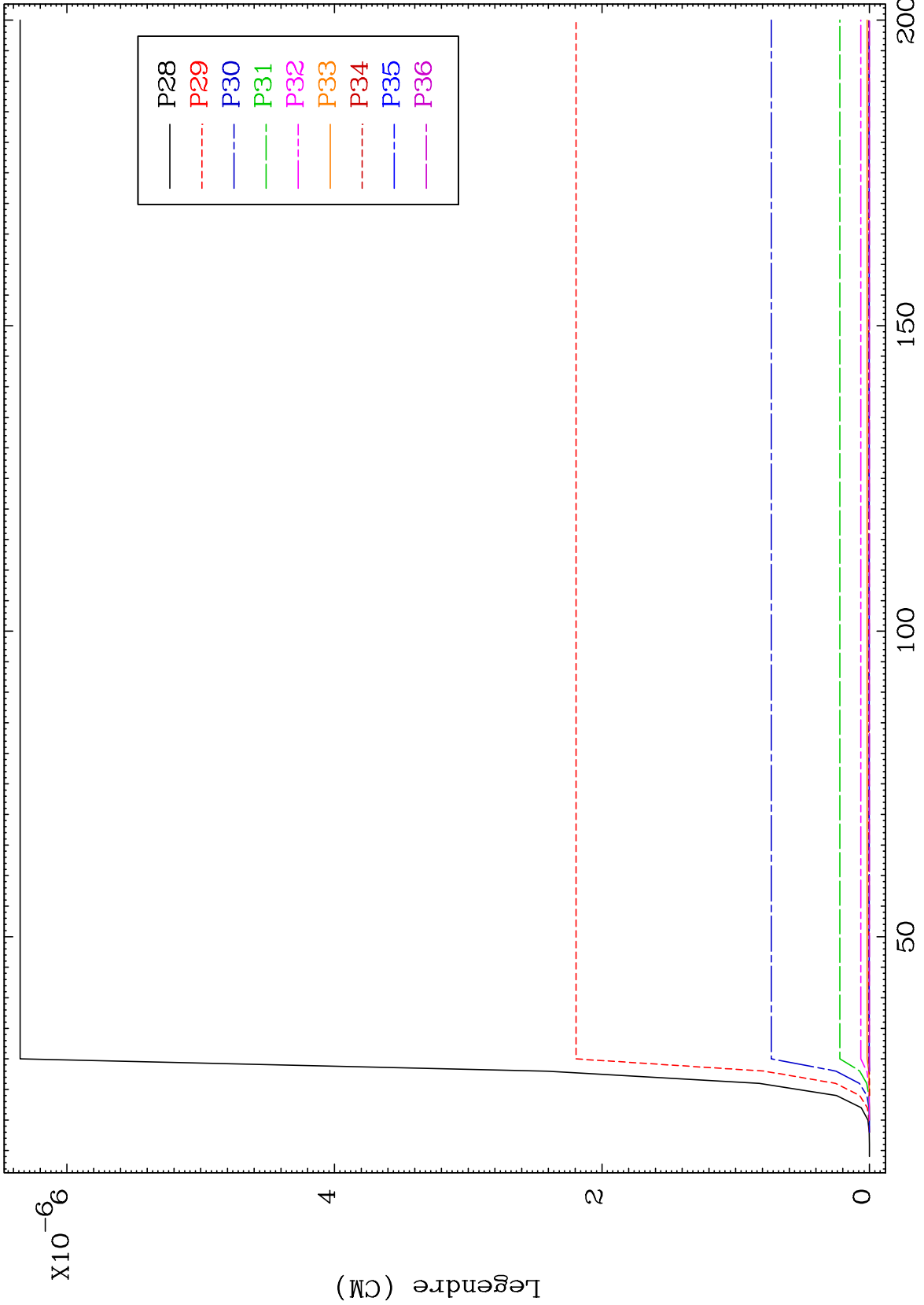
MAT 6213 MT= 54 (n,n') Level Legendre Coefficients 62-Sm-140



MAT 6213

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

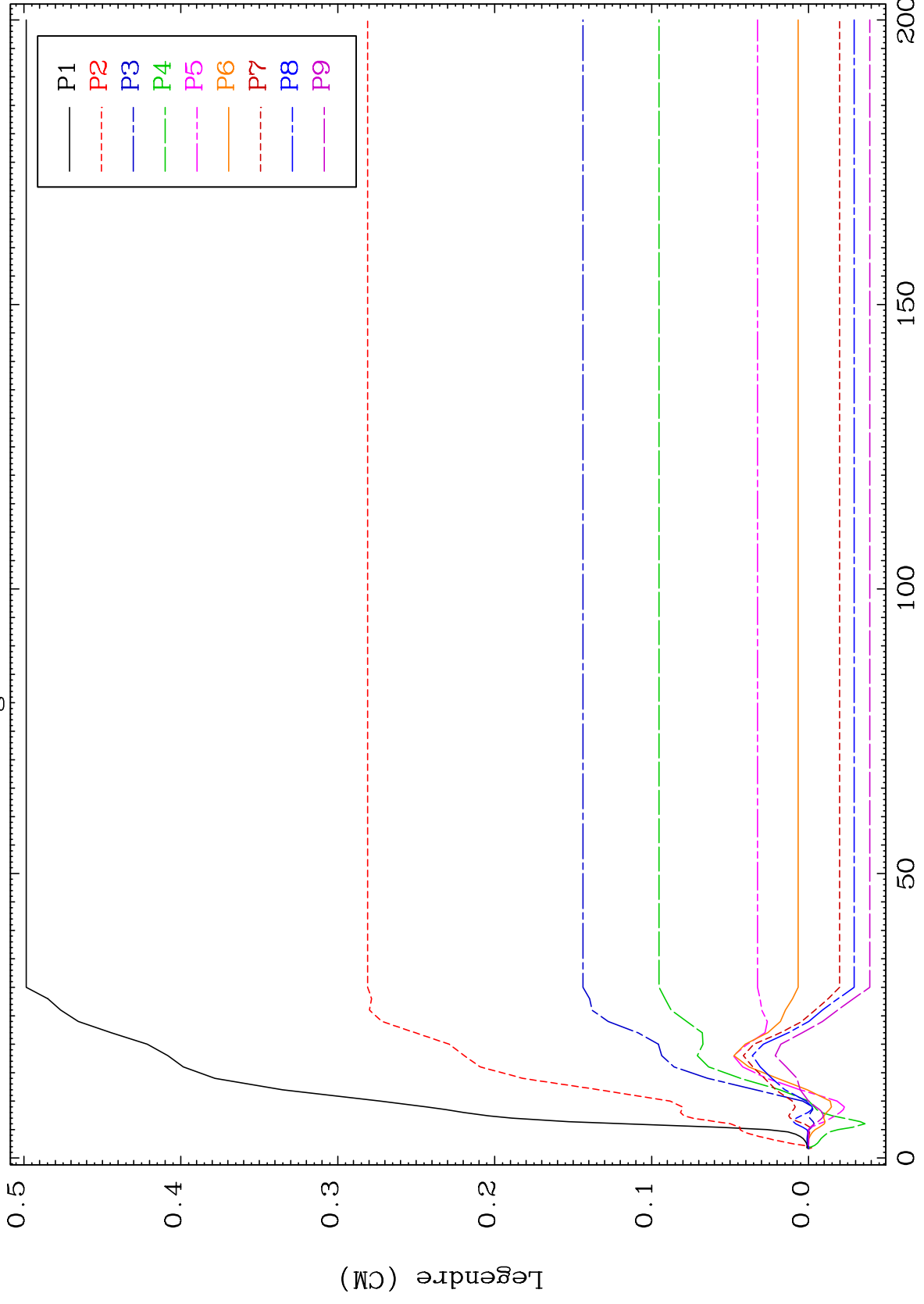
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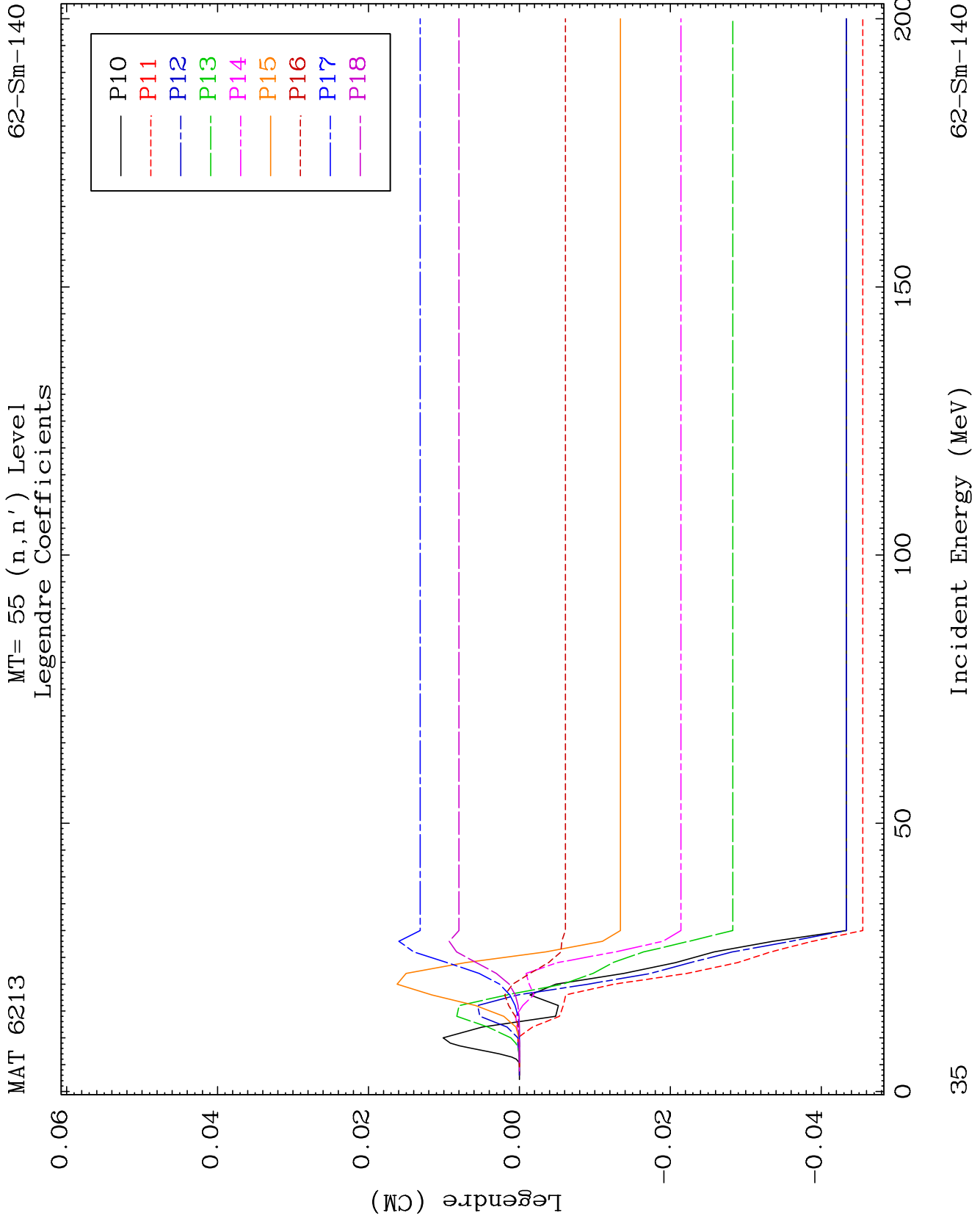
33

62-Sm-140

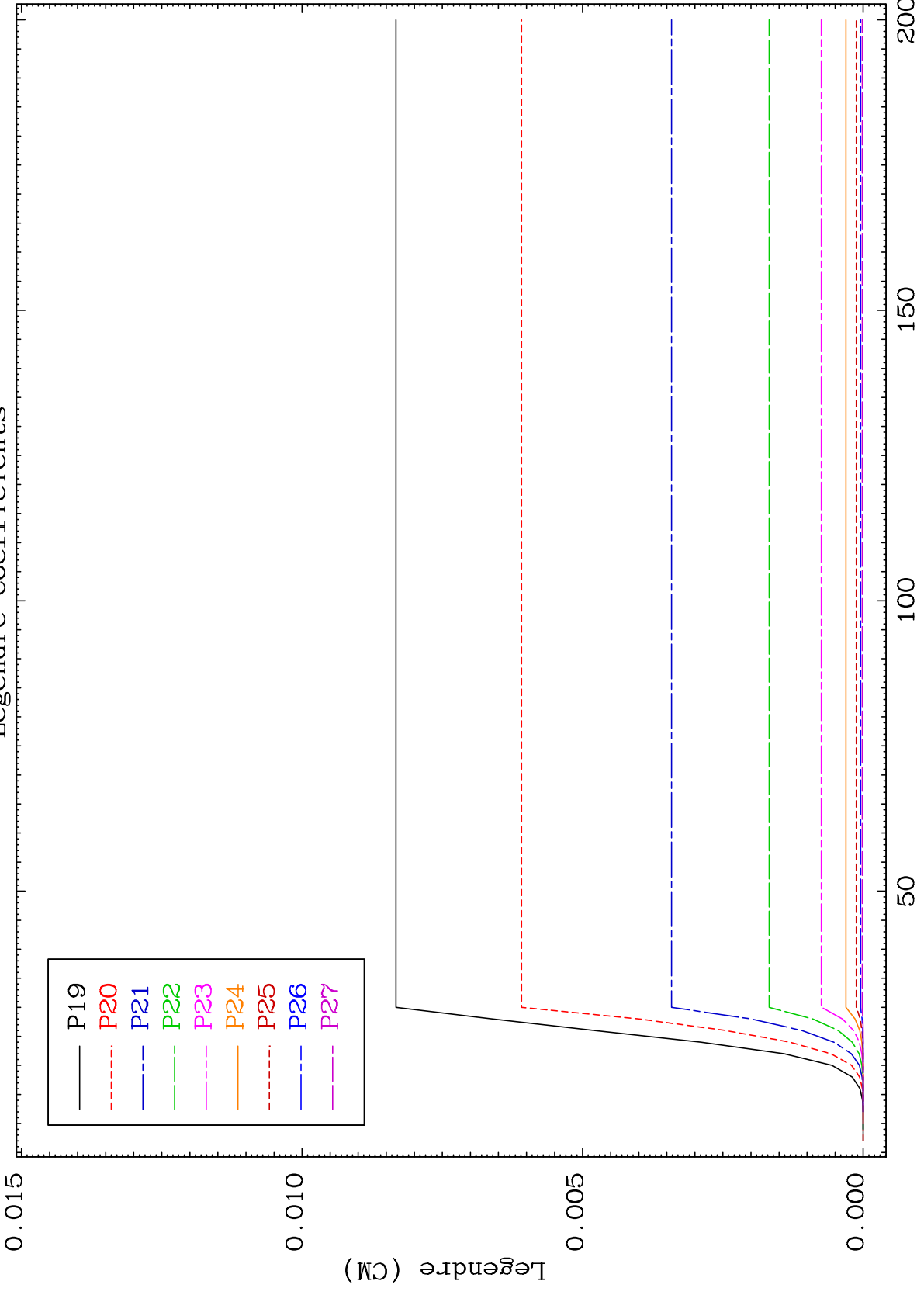
MAT 6213 MT= 55 (n,n') Level Legendre Coefficients 62-Sm-140



34 62-Sm-140



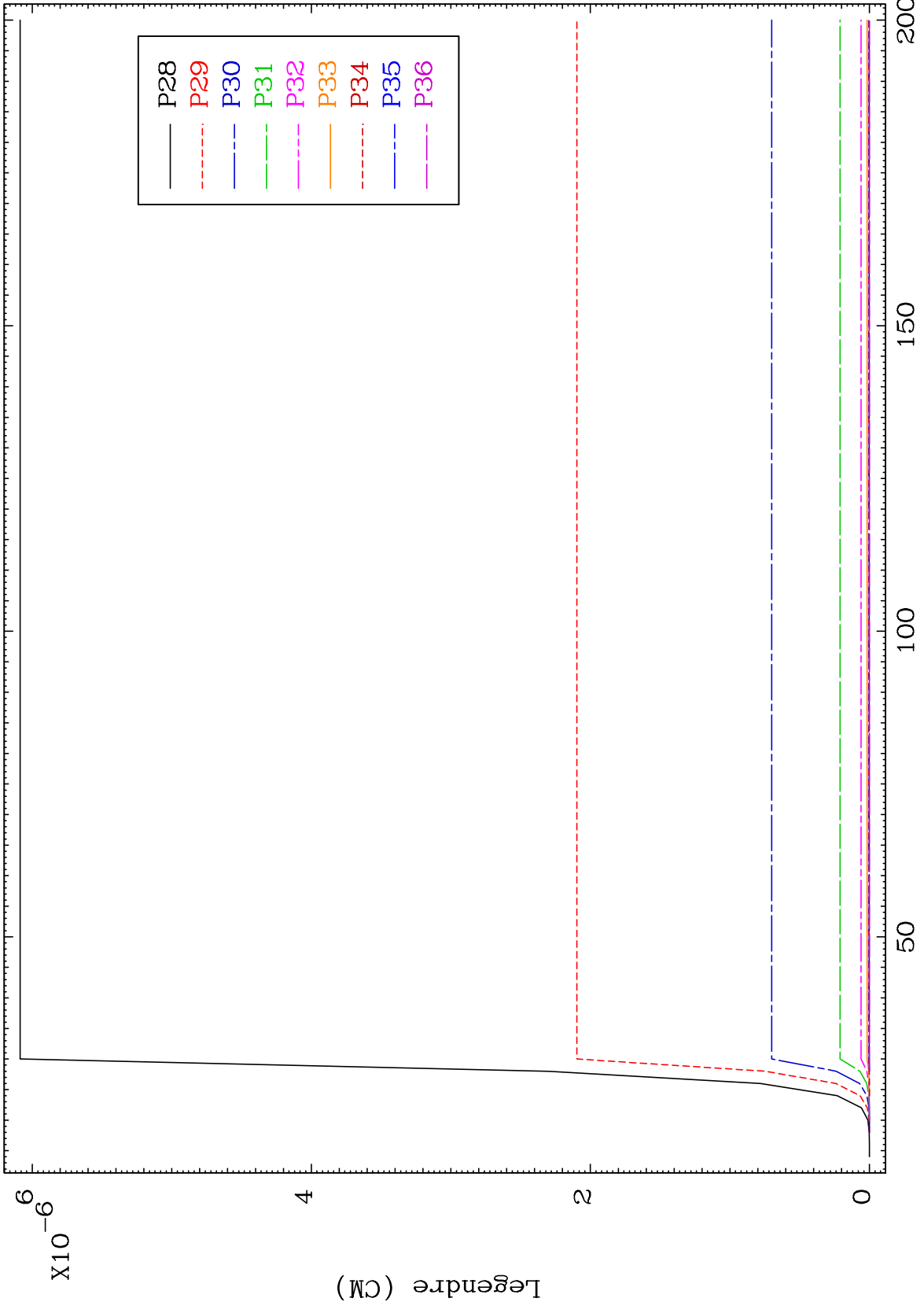
MAT 6213 MT= 55 (n,n') Level Legendre Coefficients 62-Sm-140



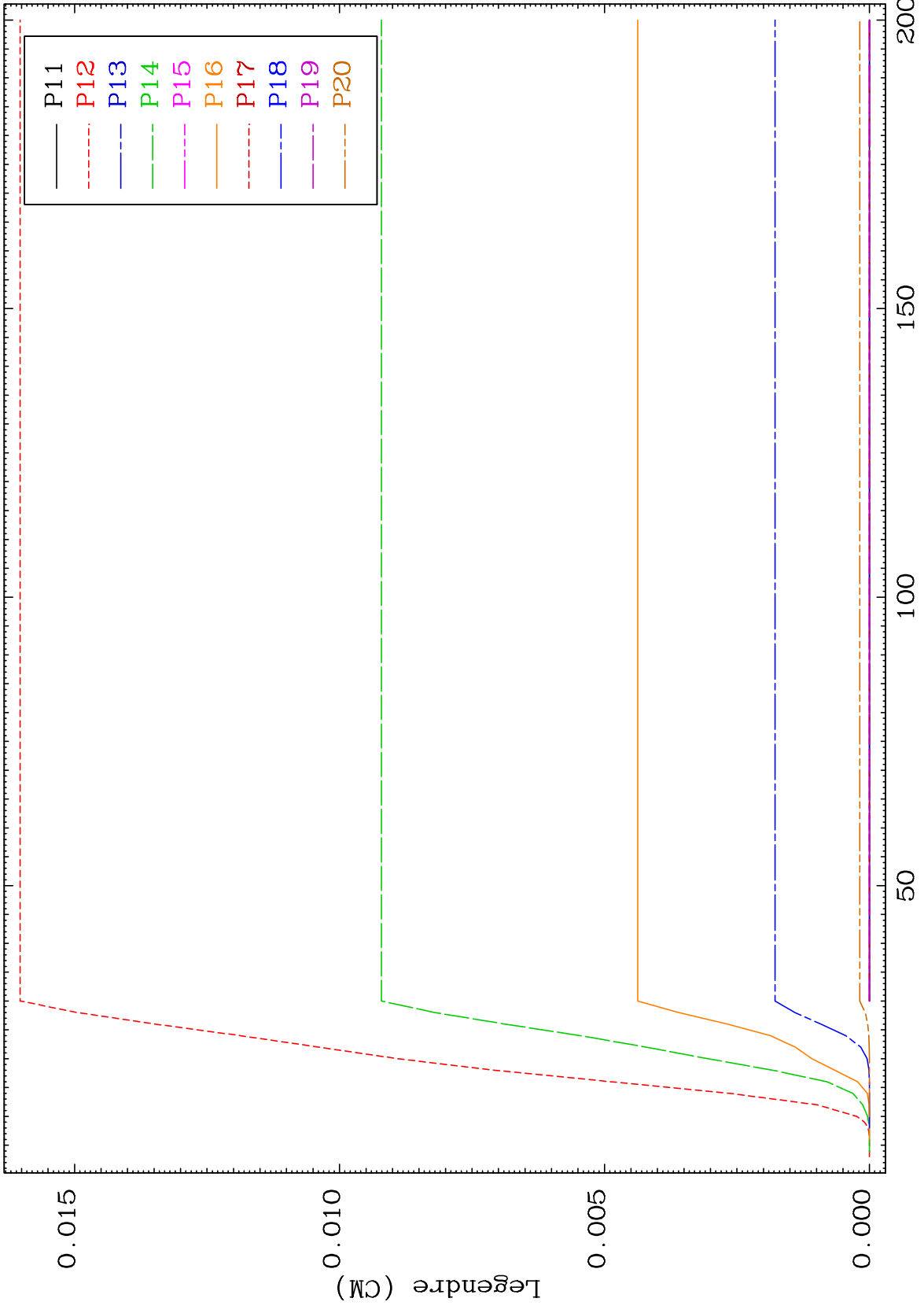
MAT 6213

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

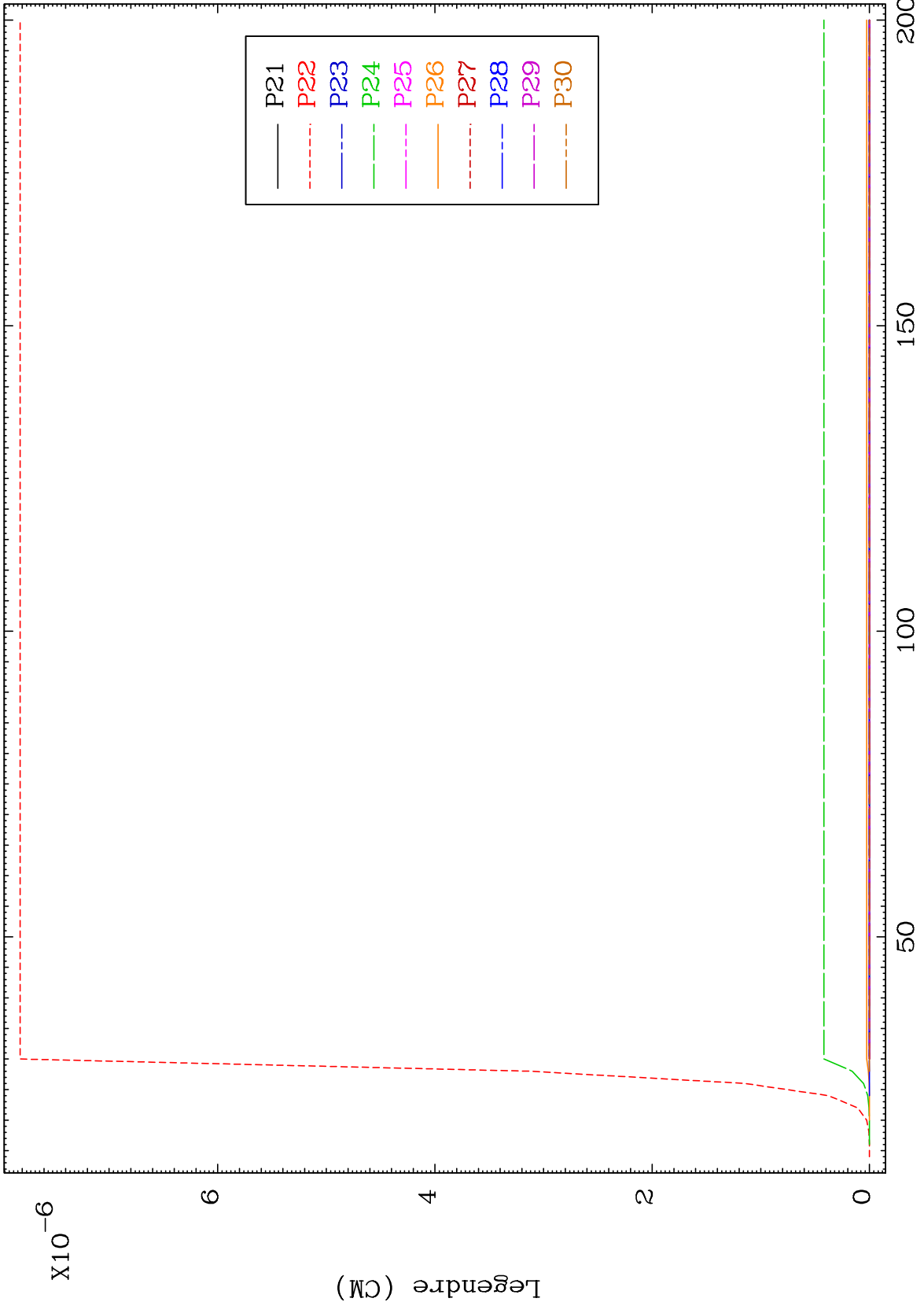
62-Sm-140



MAT 6213 MT= 56 (n,n') Level Legendre Coefficients 62-Sm-140

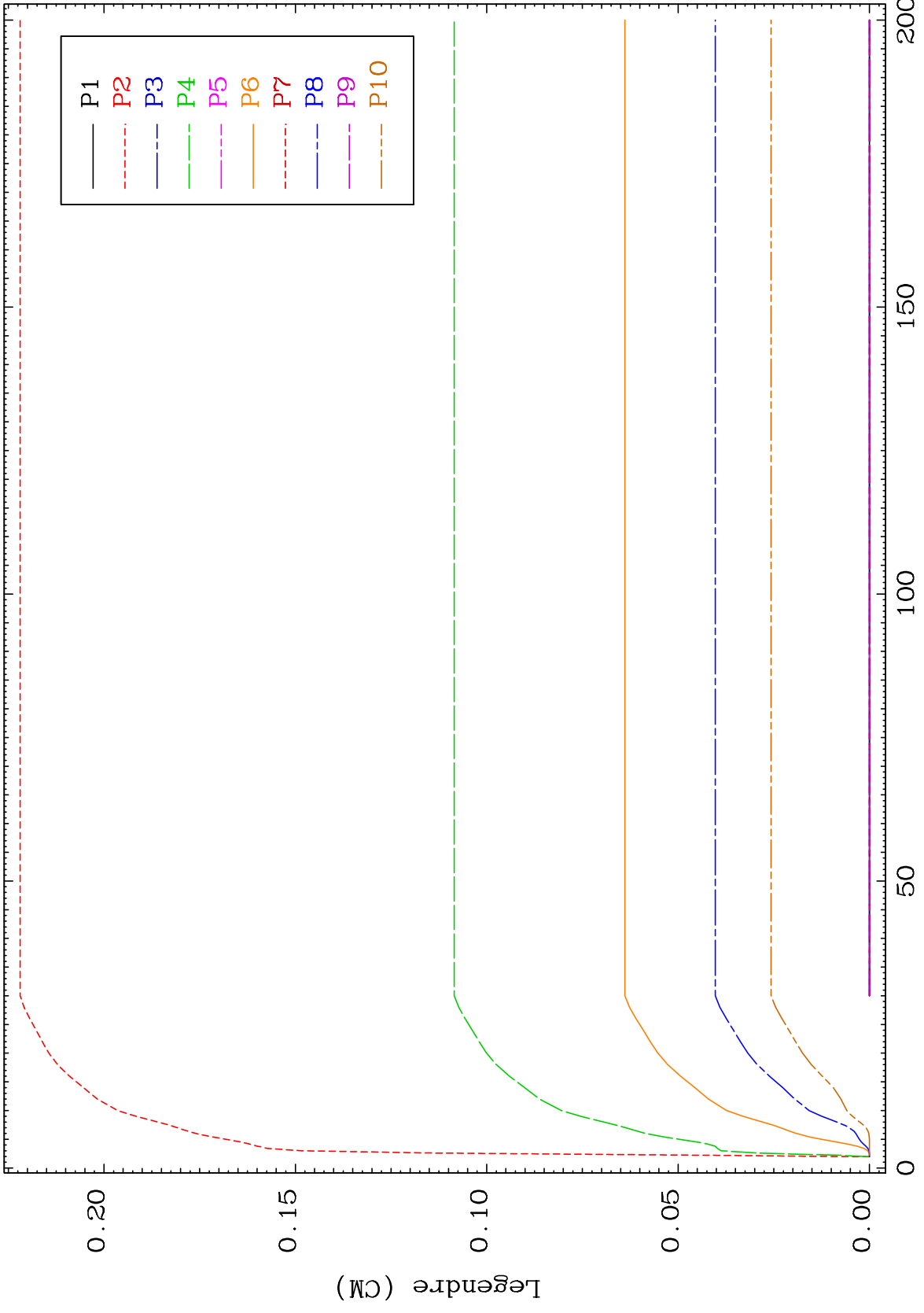


MAT 6213 MT= 56 (n,n') Level Legendre Coefficients 62-Sm-140



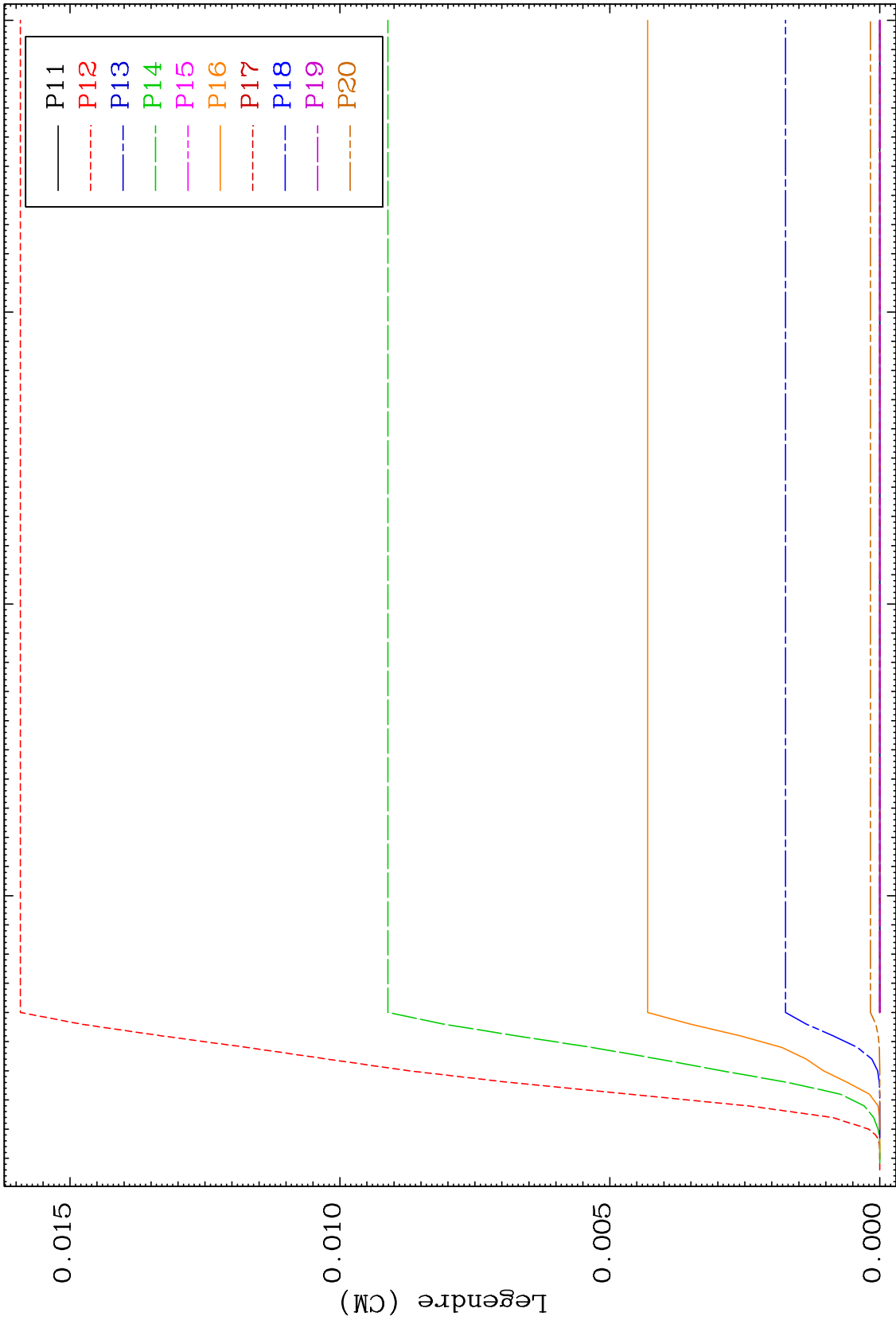
62-Sm-140

MAT 6213 MT= 57 (n,n') Level Legendre Coefficients 62-Sm-140



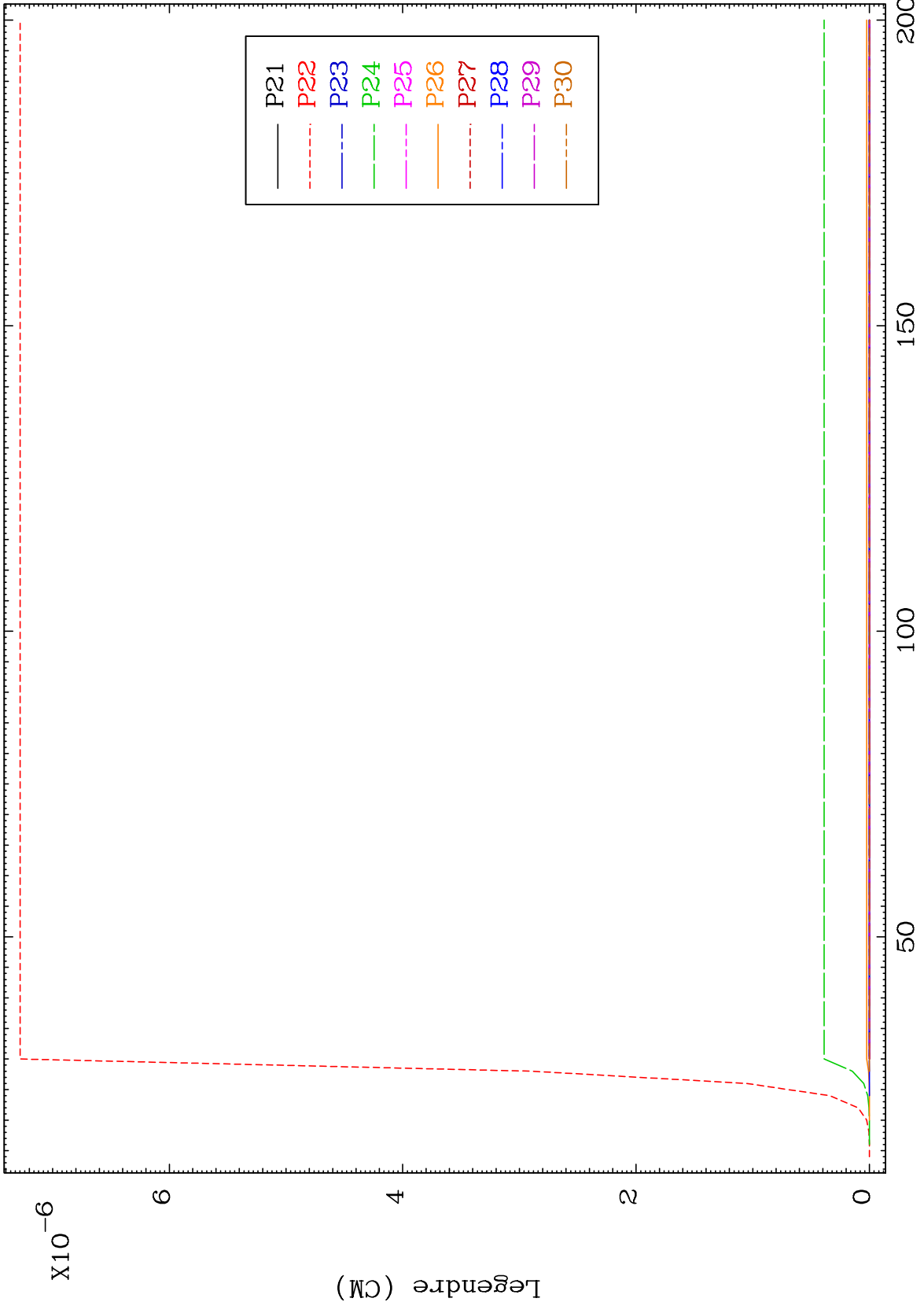
41 62-Sm-140

MAT 6213 MT= 57 (n,n') Level Legendre Coefficients 62-Sm-140



42 Incident Energy (MeV) 62-Sm-140

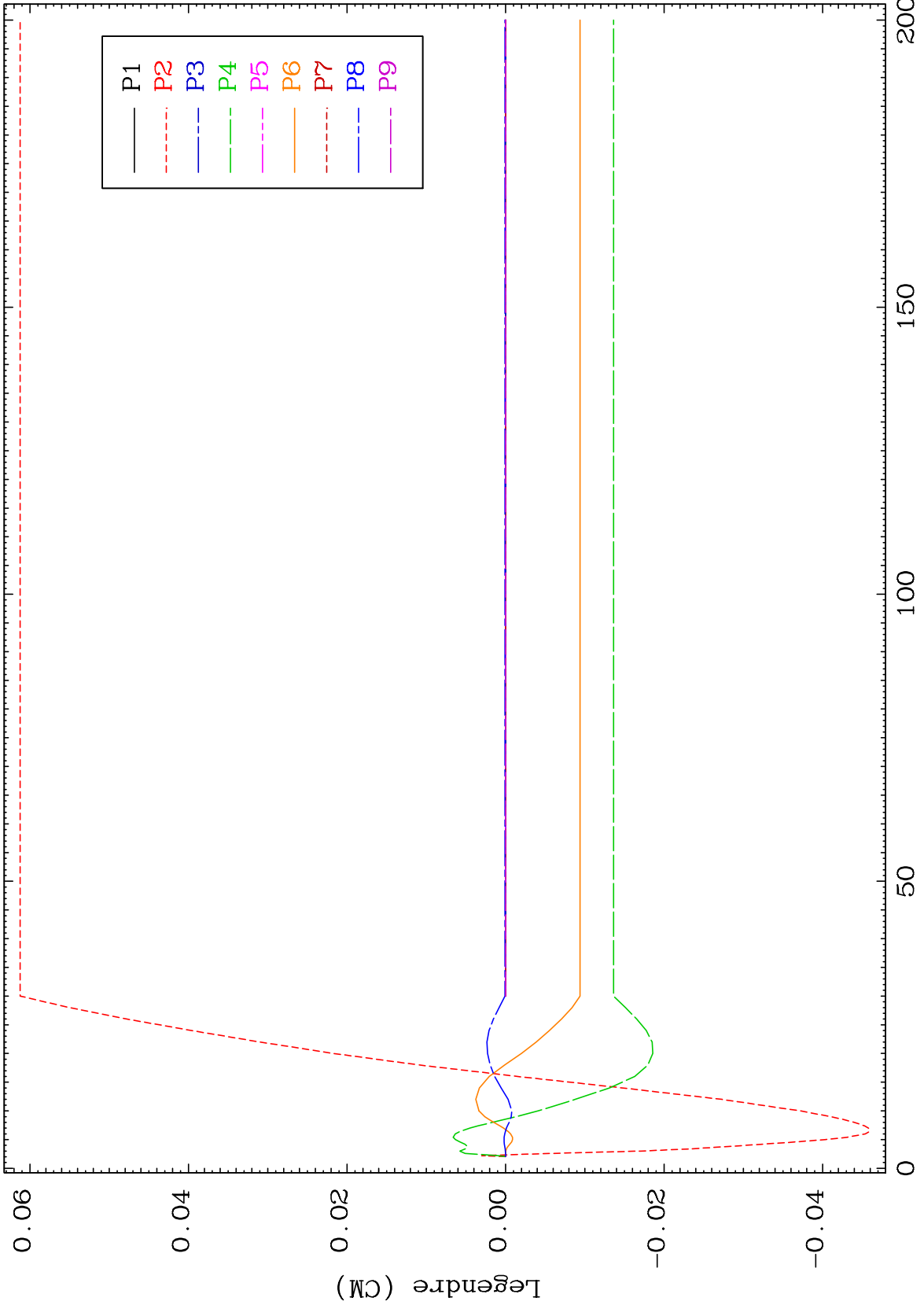
MAT 6213 MT= 57 (n,n') Level Legendre Coefficients 62-Sm-140



43 Incident Energy (MeV) 62-Sm-140

MAT 6213 MT= 58 (n,n') Level Legendre Coefficients

62-Sm-140

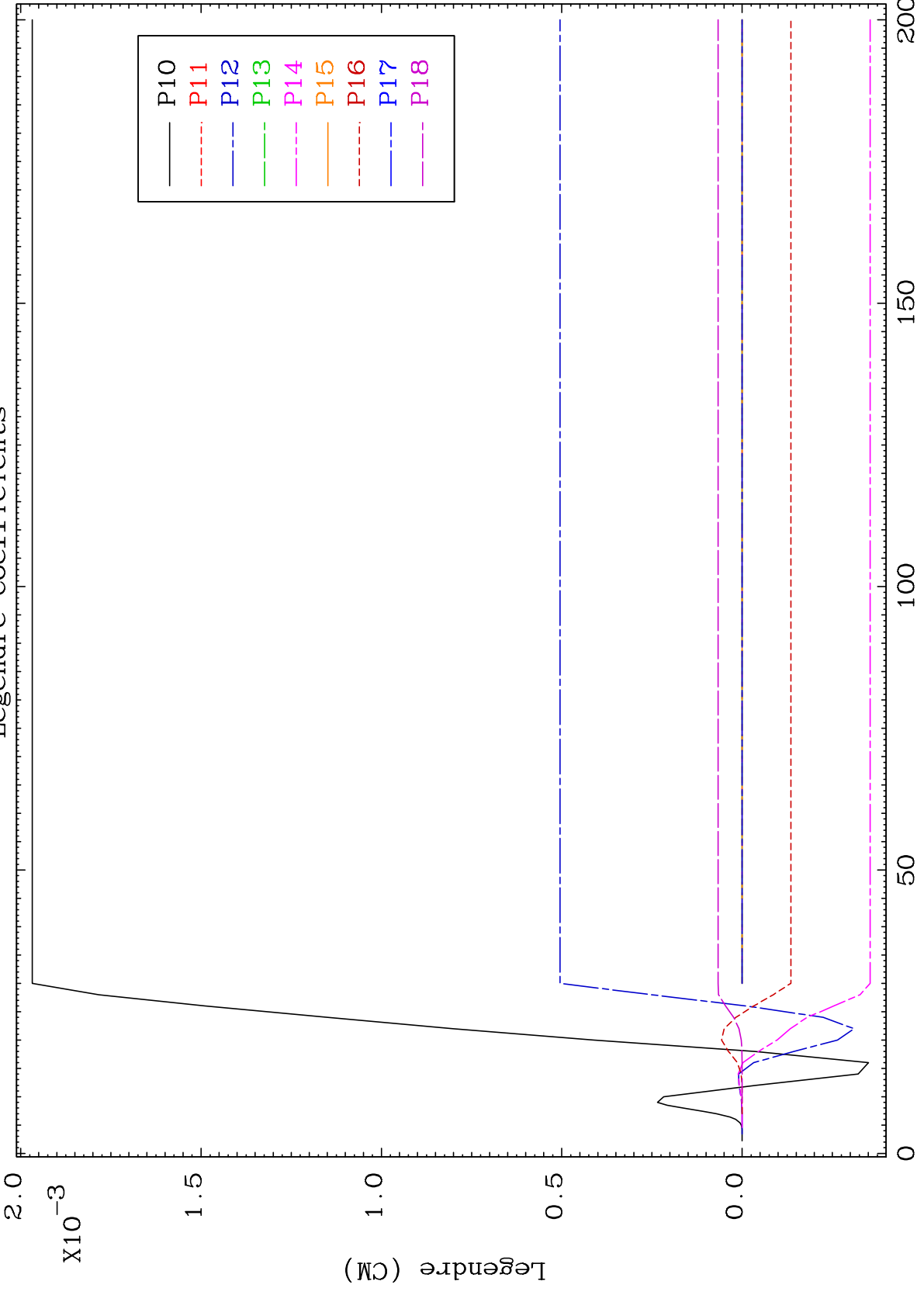


62-Sm-140

Incident Energy (MeV)

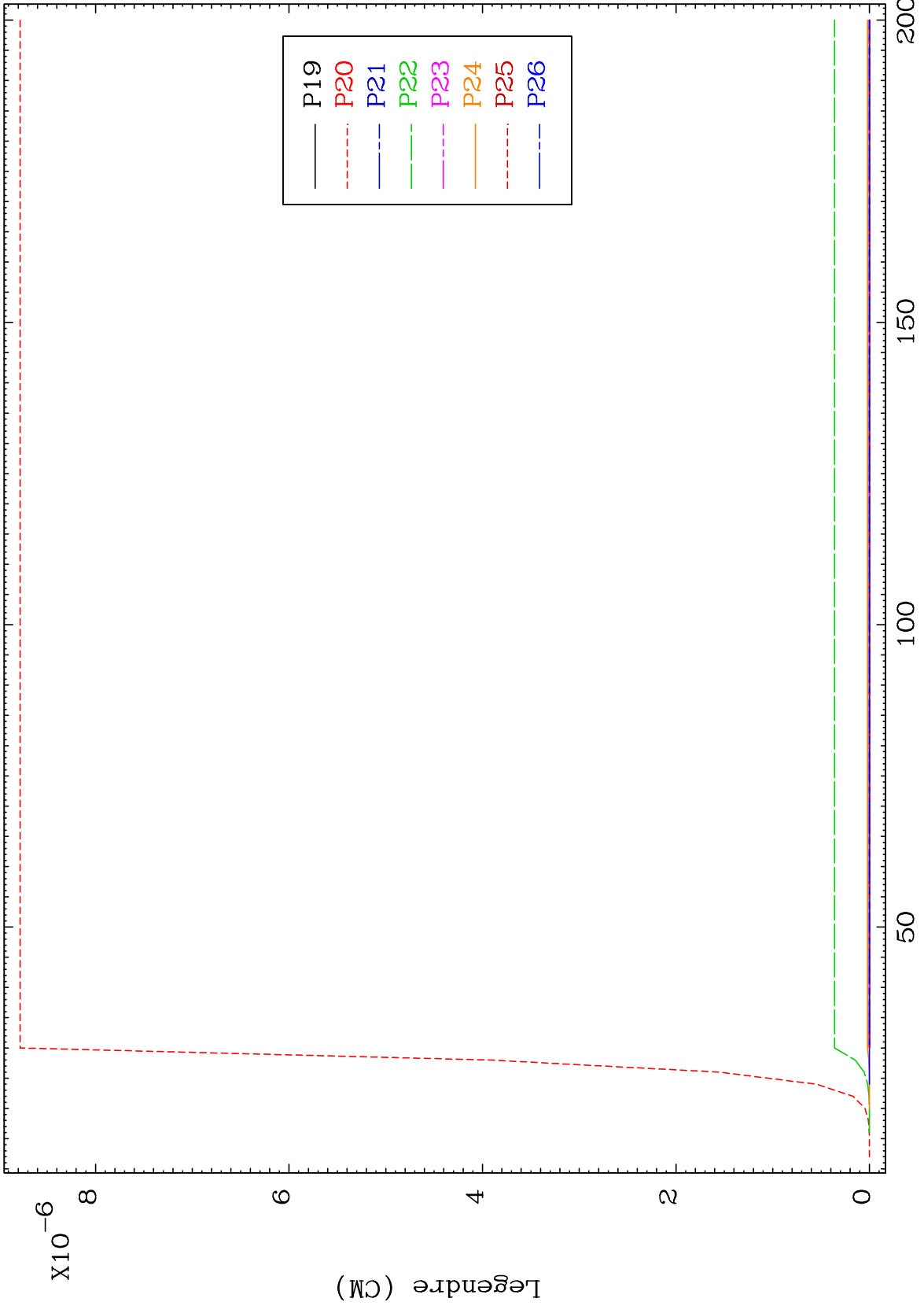
44

MAT 6213 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-140



45 Incident Energy (MeV) 62-Sm-140

MAT 6213 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-140

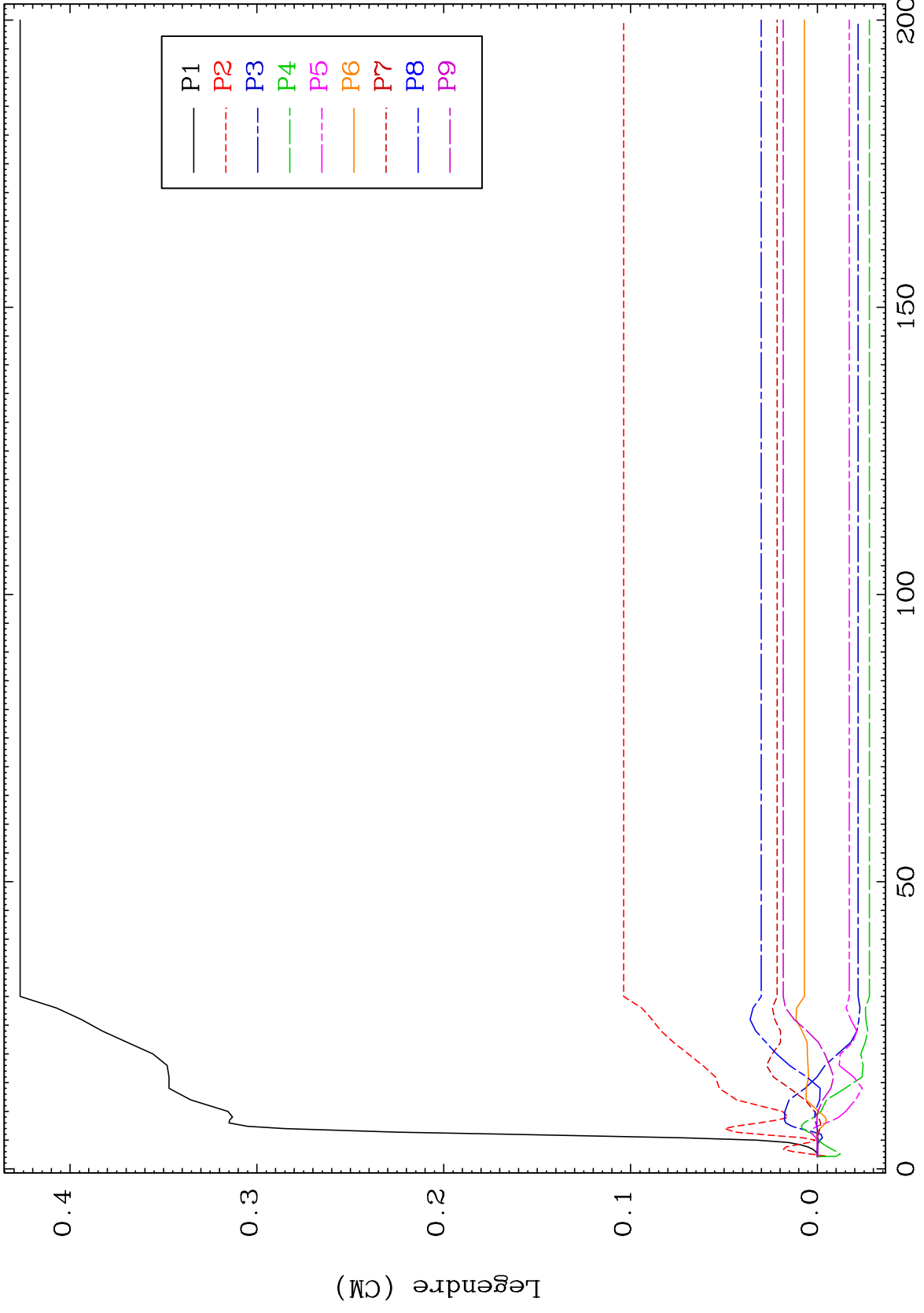


46 Incident Energy (MeV) 62-Sm-140

MAT 6213

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

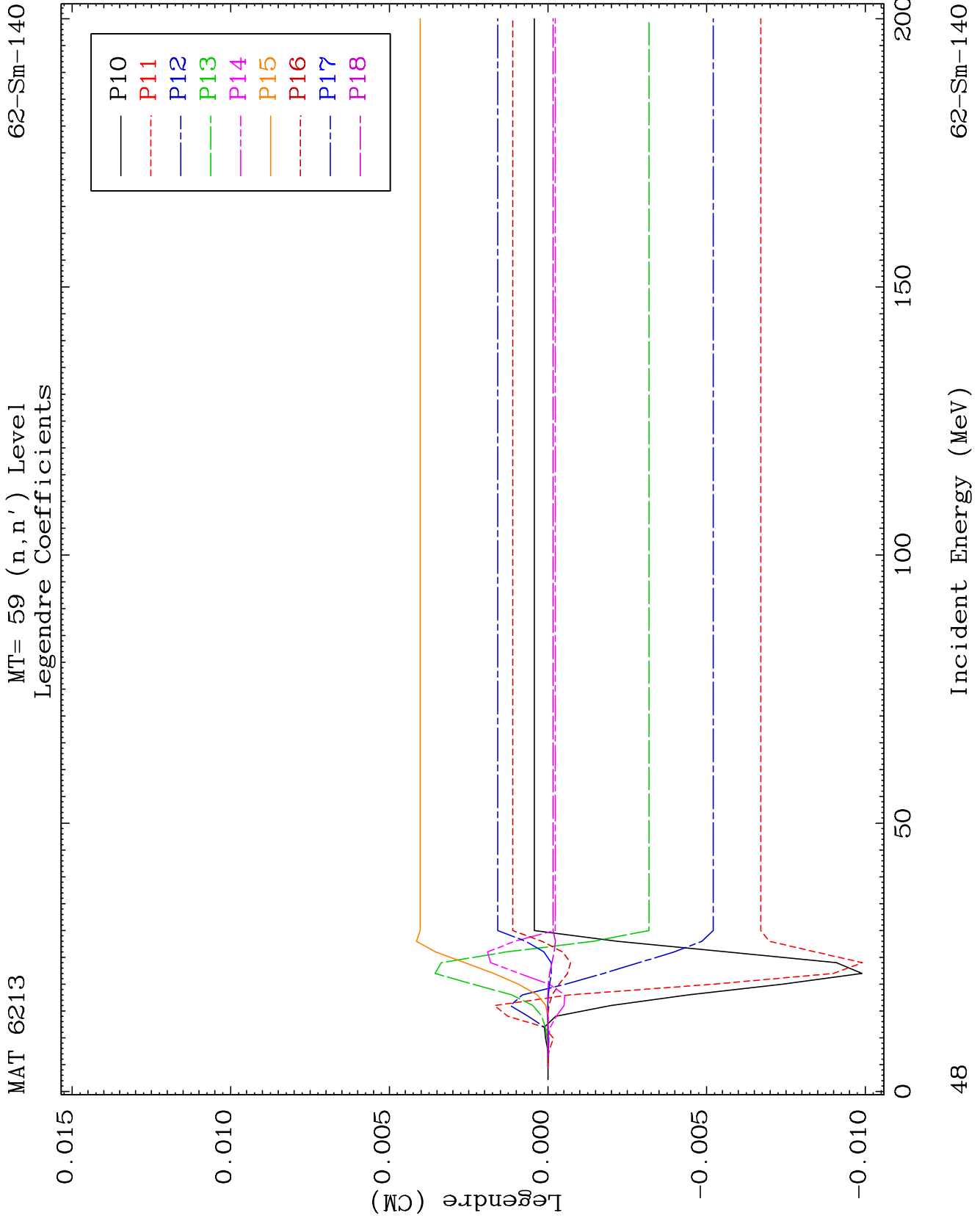
62-Sm-140



47

Incident Energy (MeV)

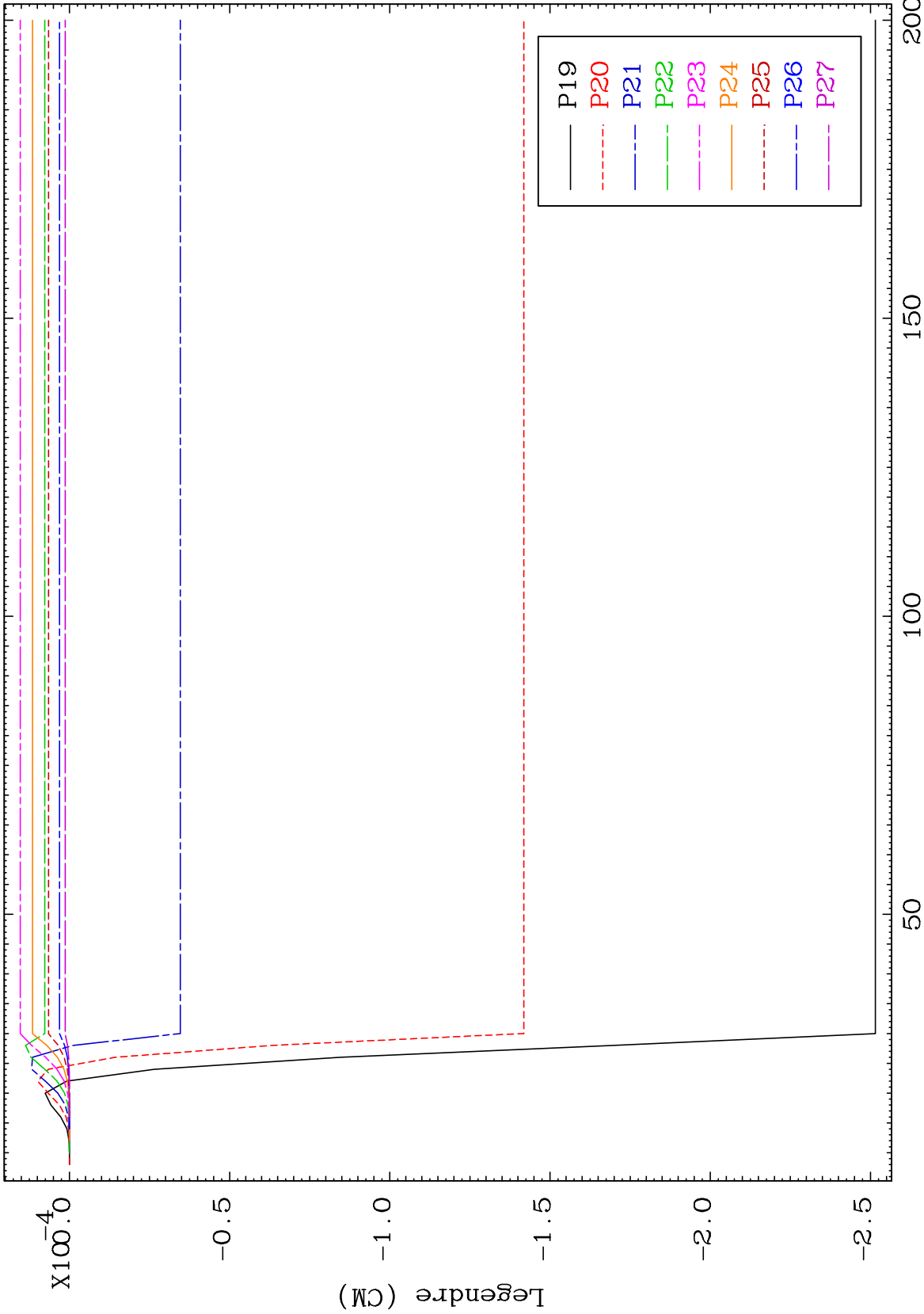
62-Sm-140



MAT 6213

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

62-Sm-140



49

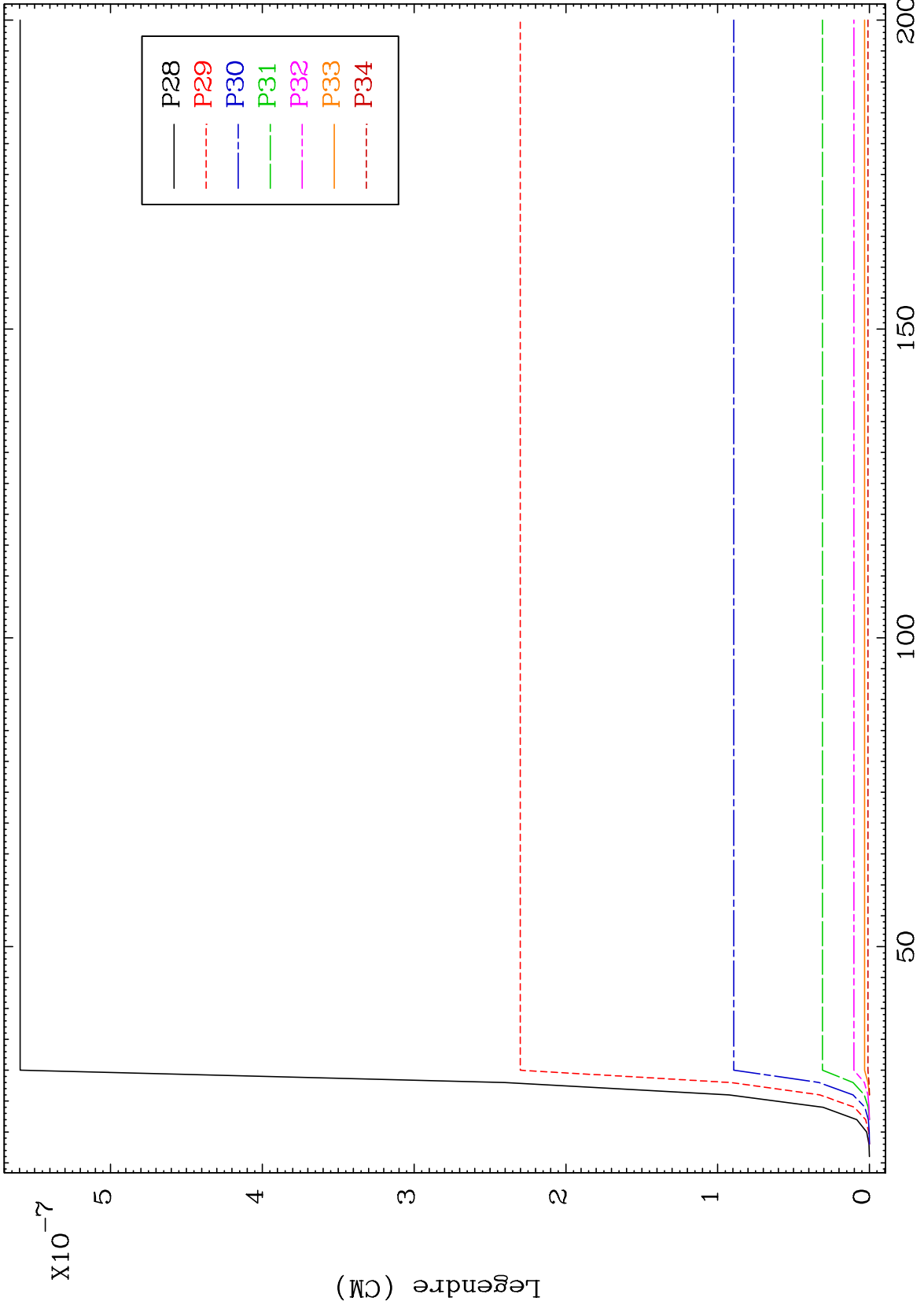
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140

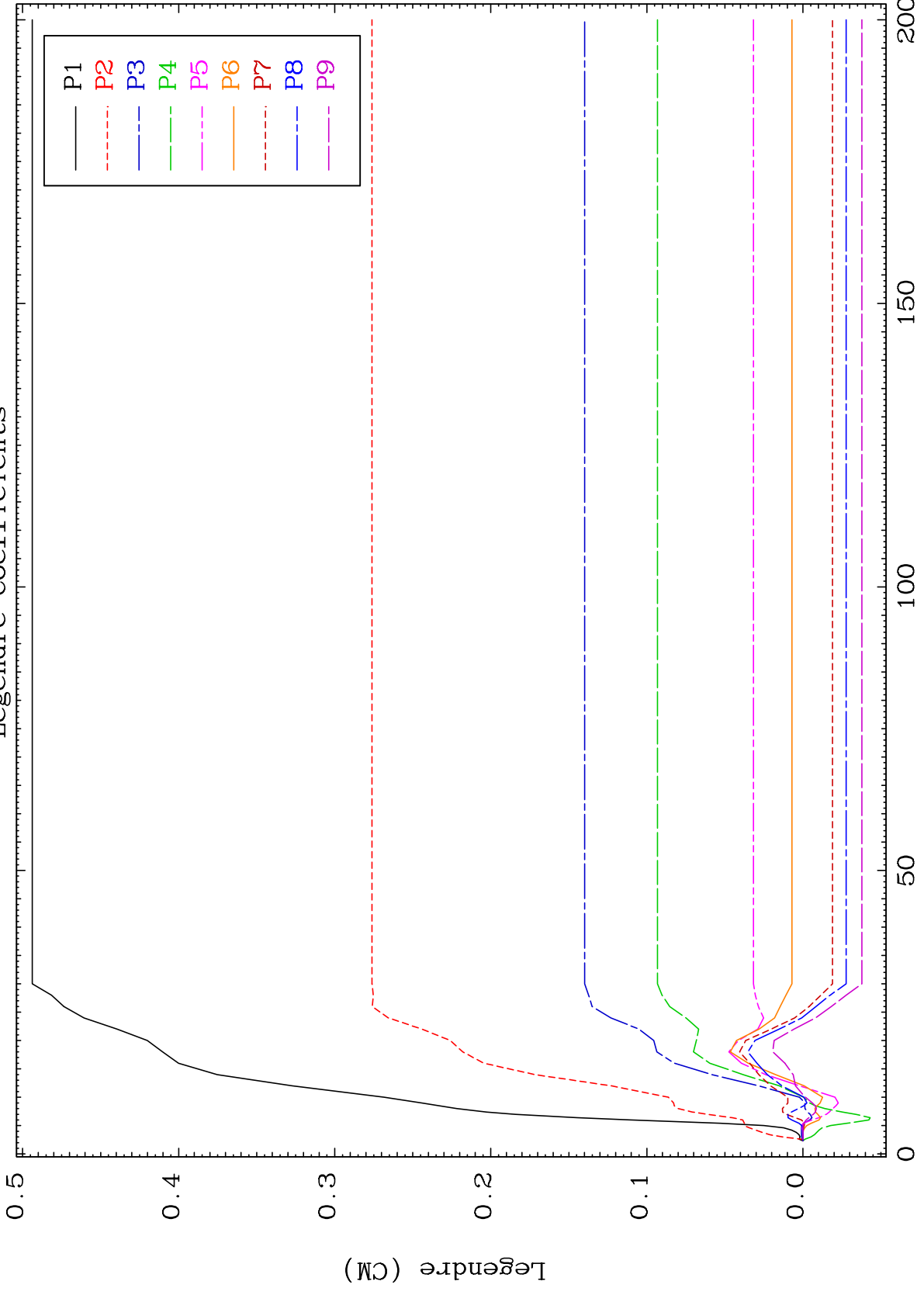


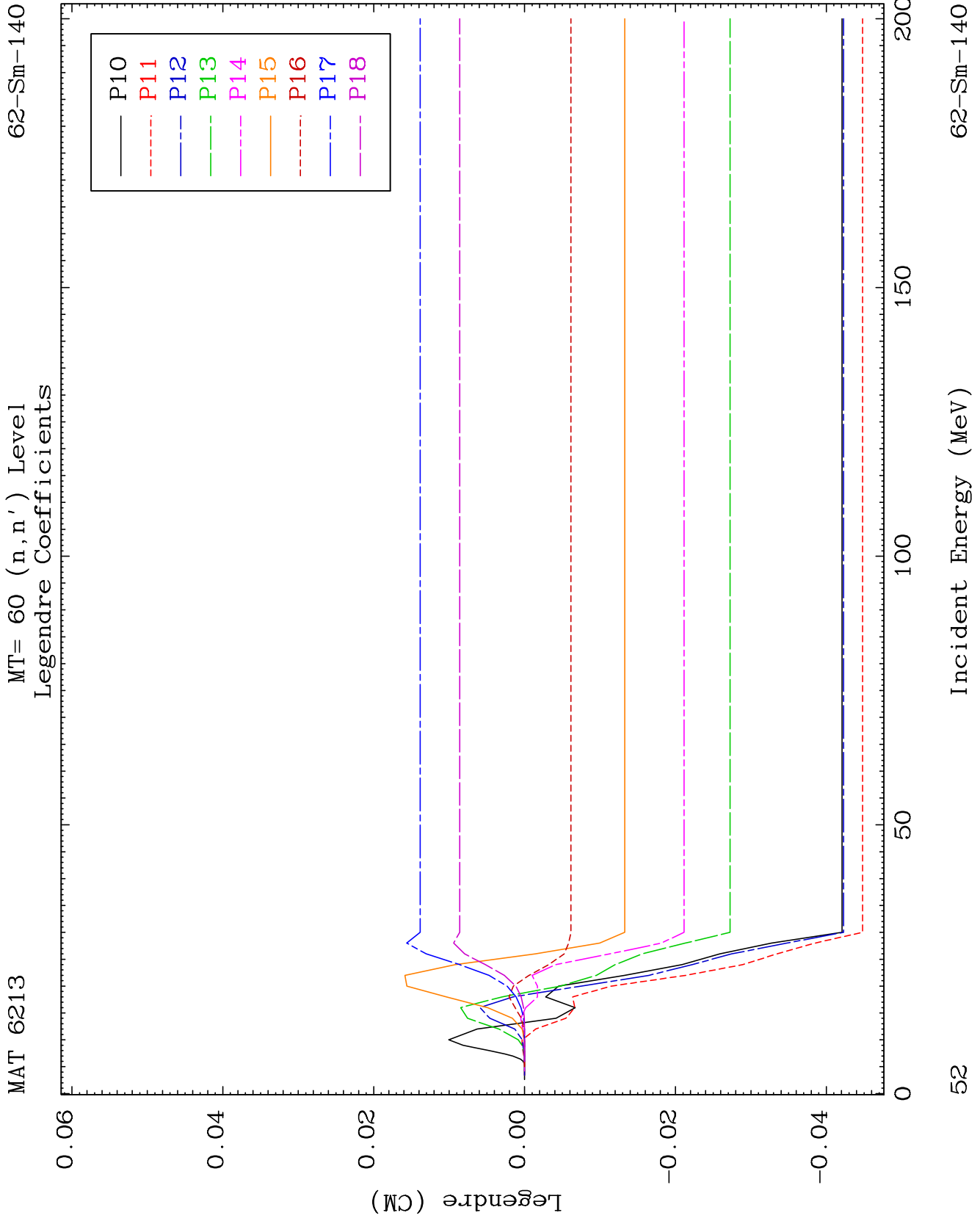
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Incident Energy (MeV)

62-Sm-140

MAT 6213 MT= 60 (n,n') Level Legendre Coefficients 62-Sm-140

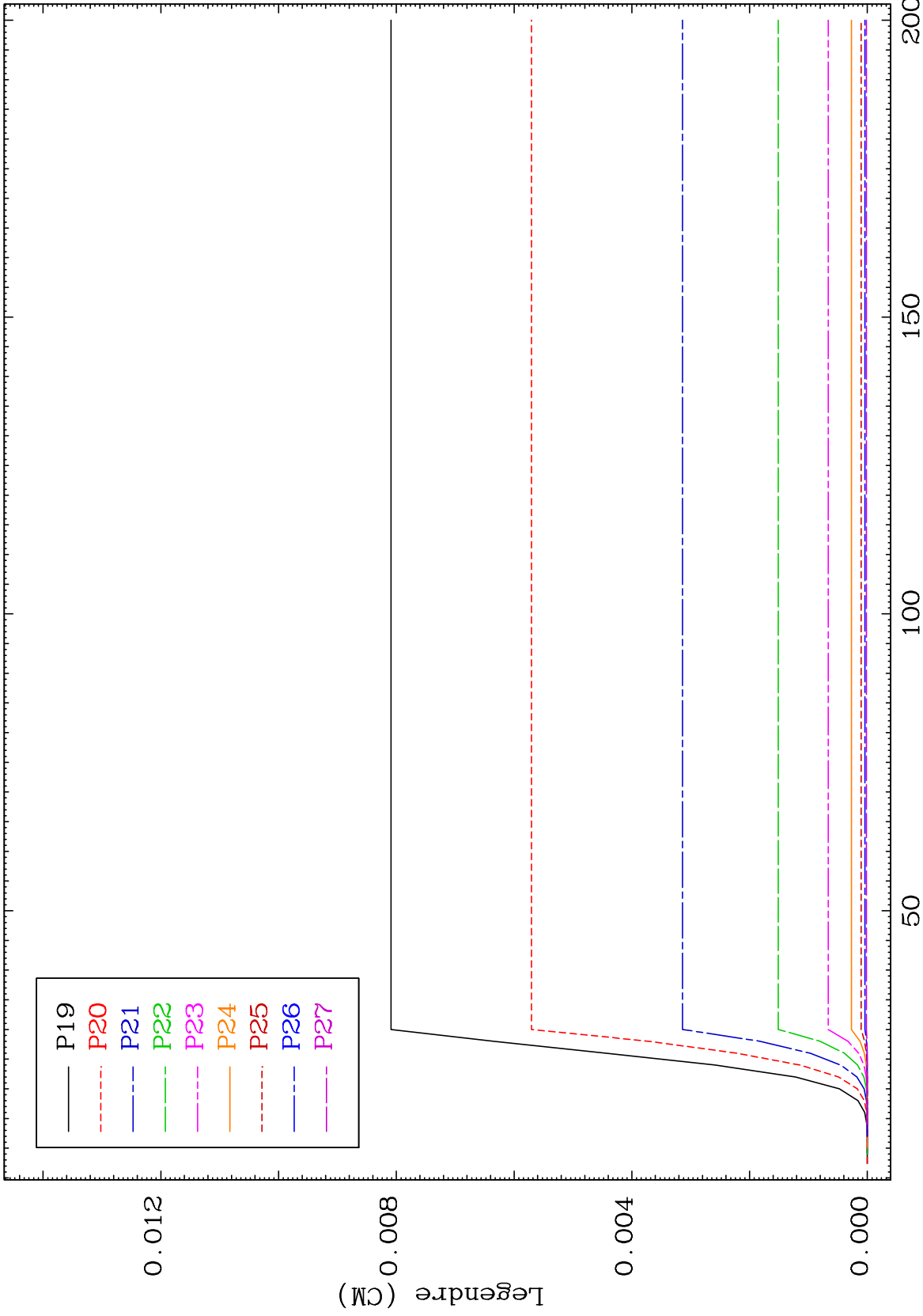




MAT 6213

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

62-Sm-140



53

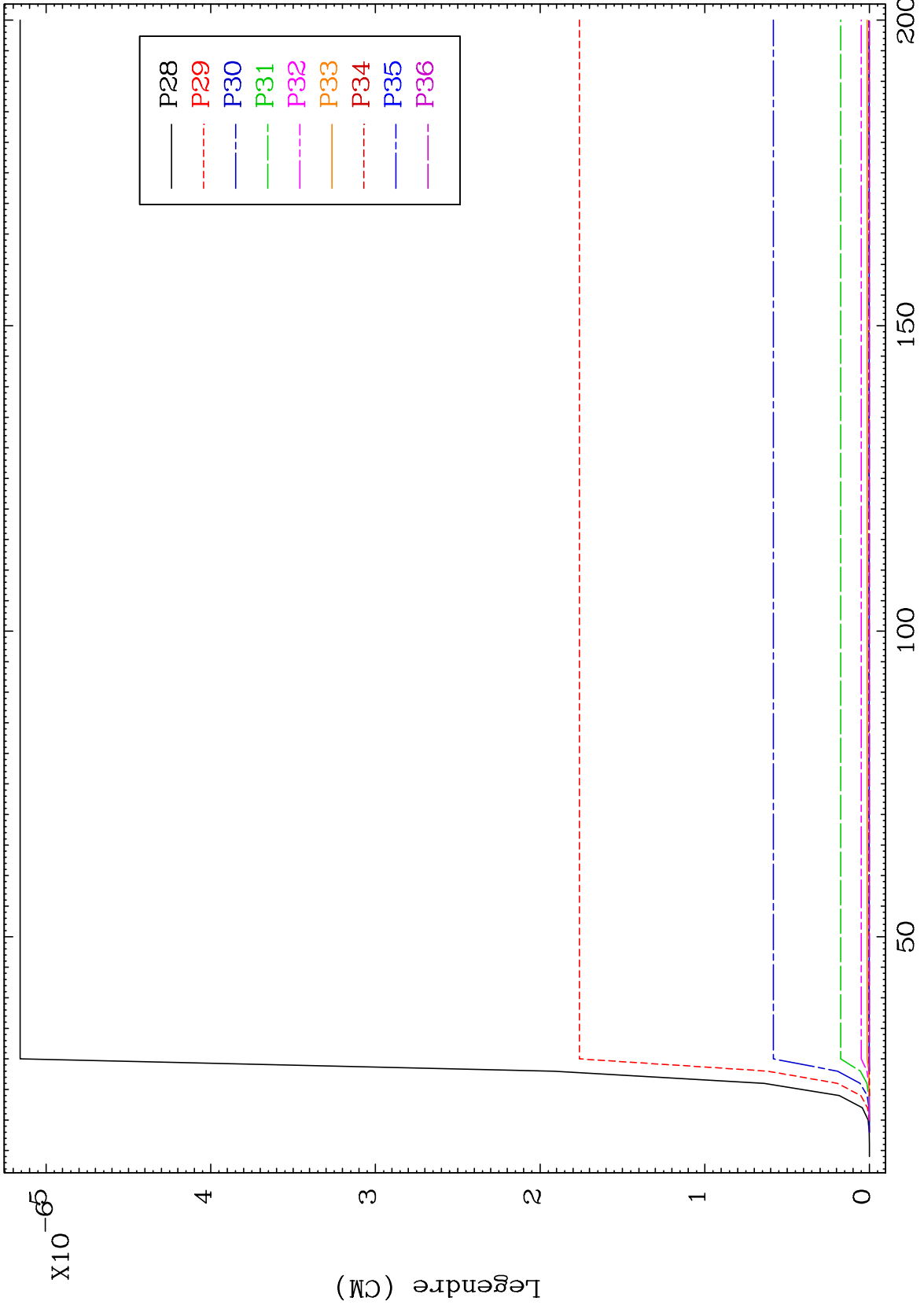
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



54

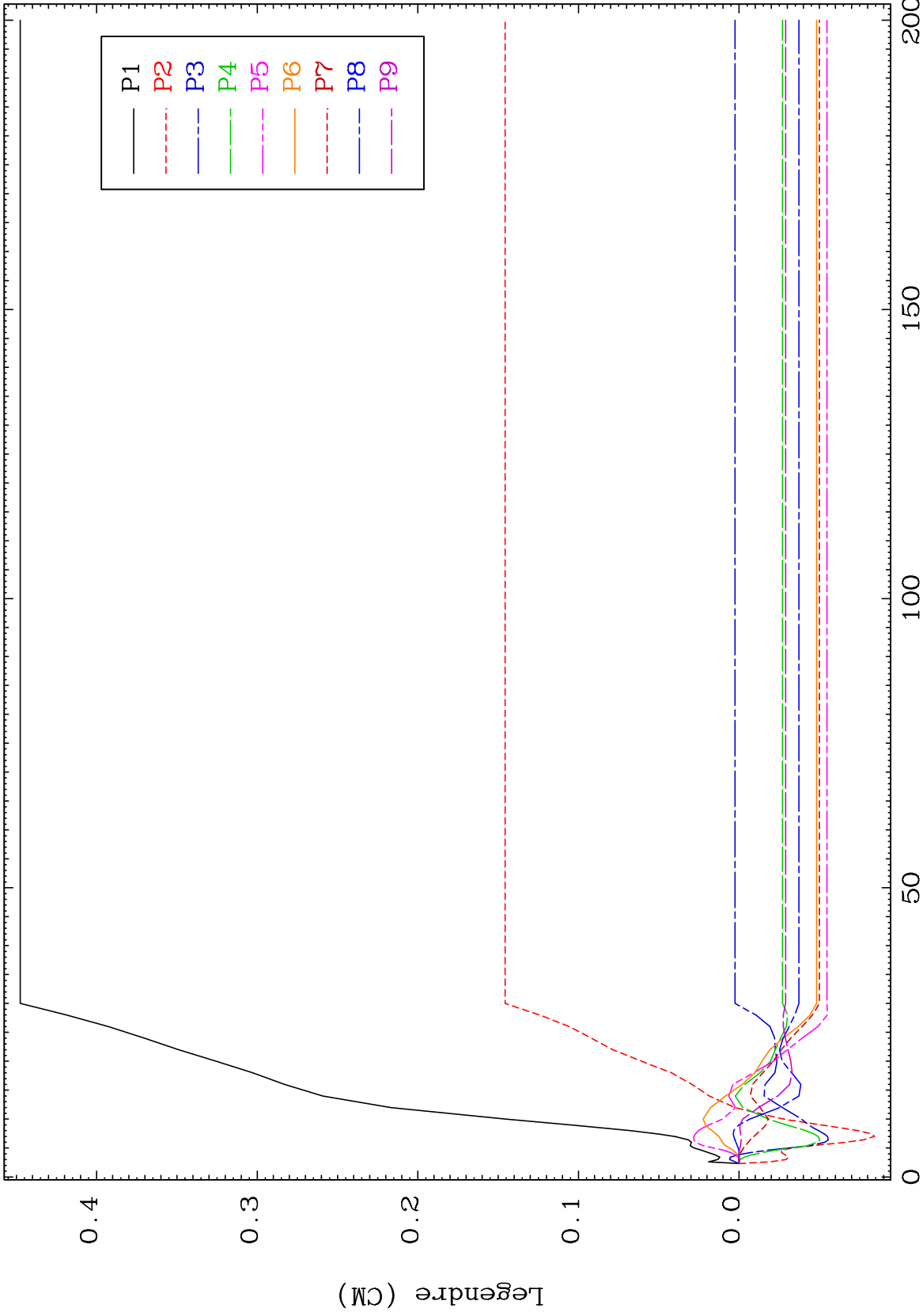
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



55

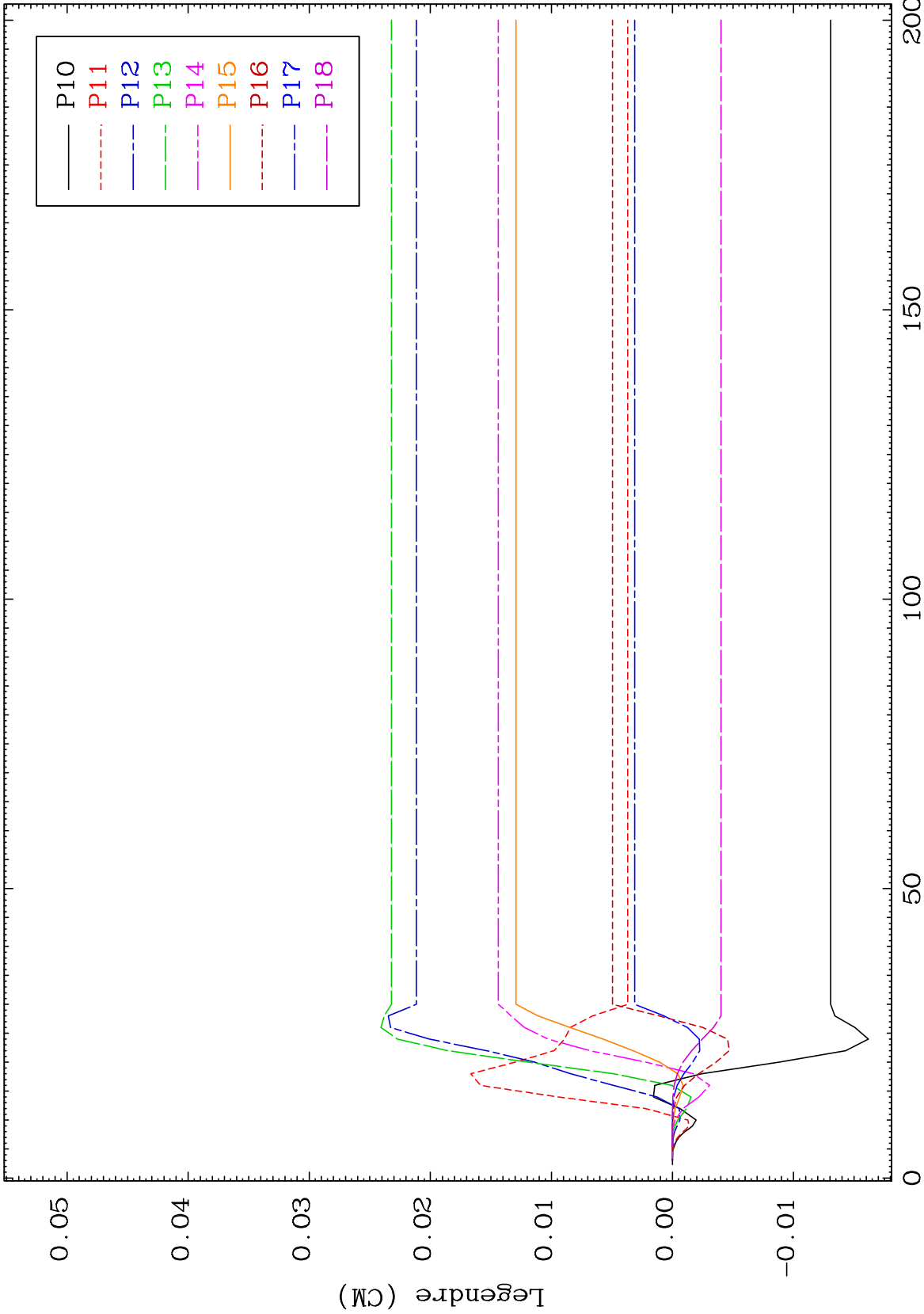
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



56

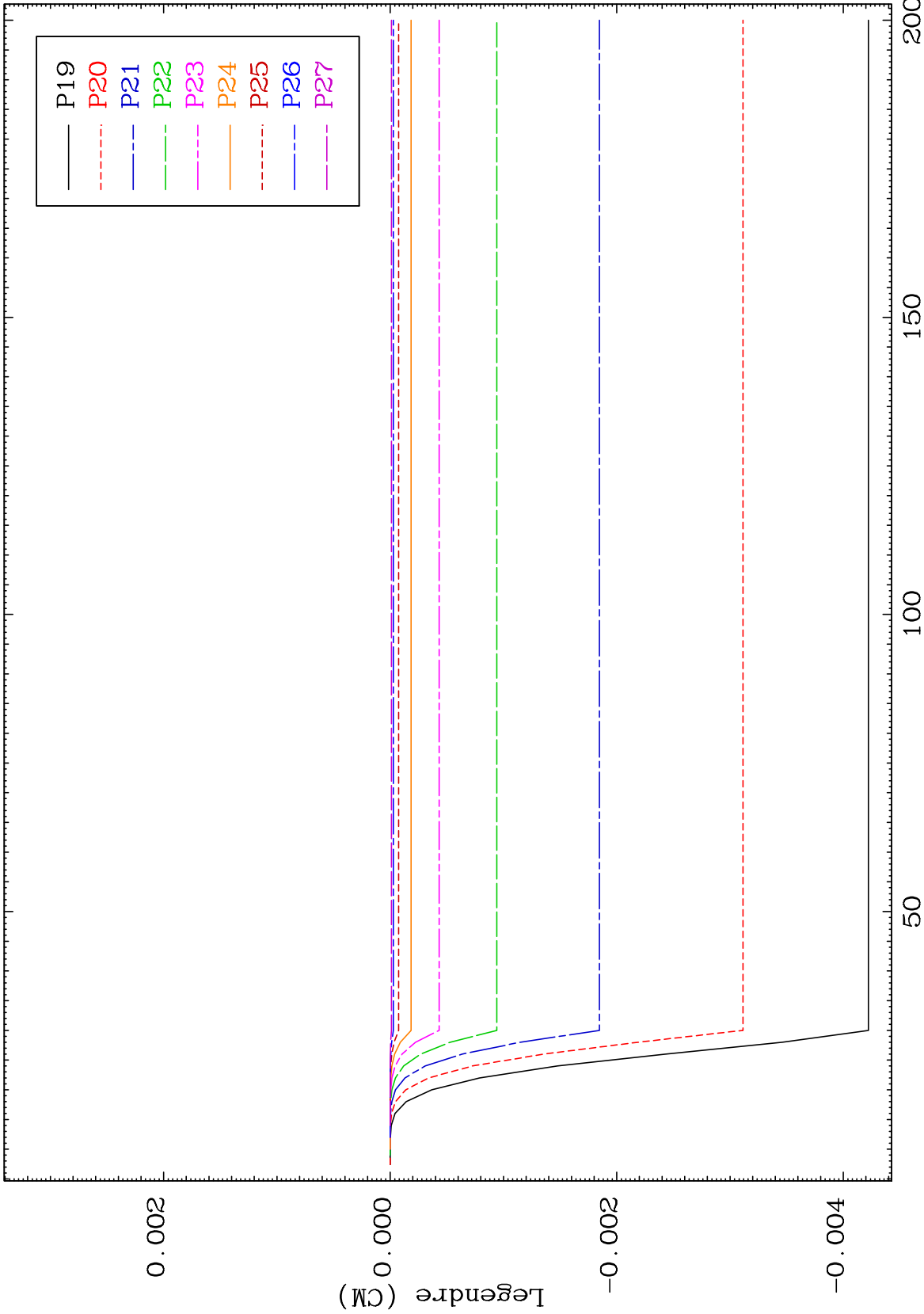
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



57

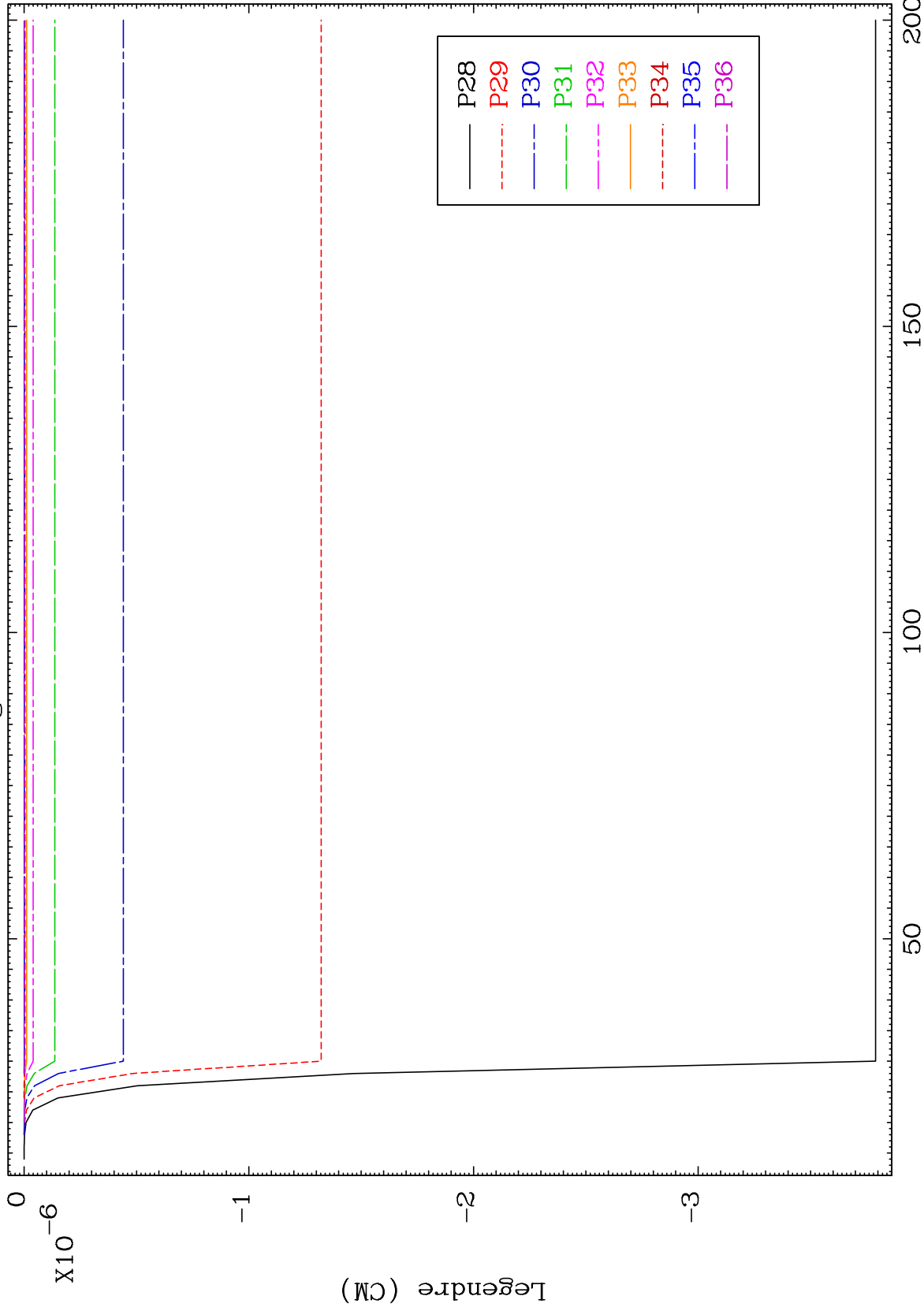
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



58

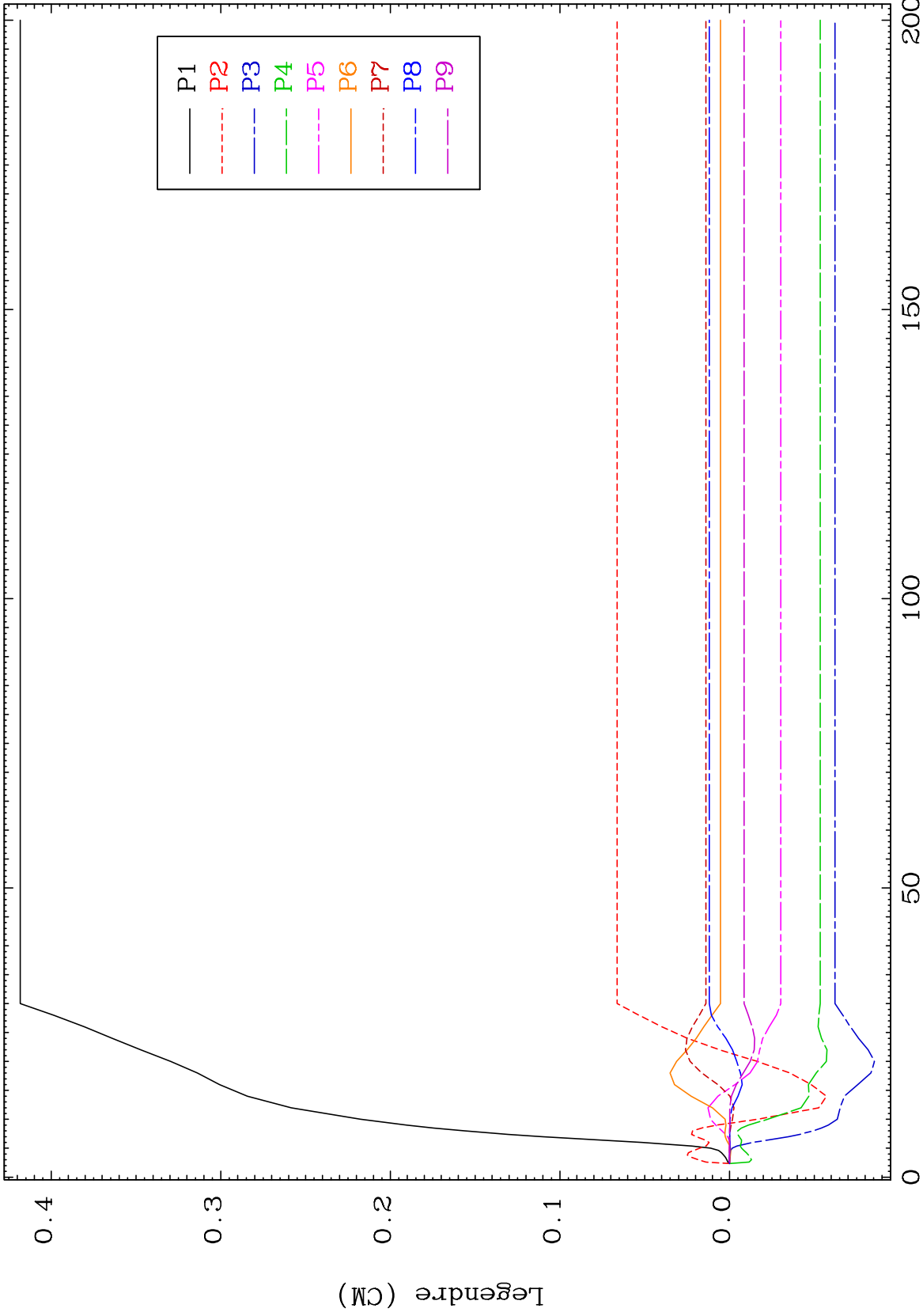
62-Sm-140

200

MAT 6213

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

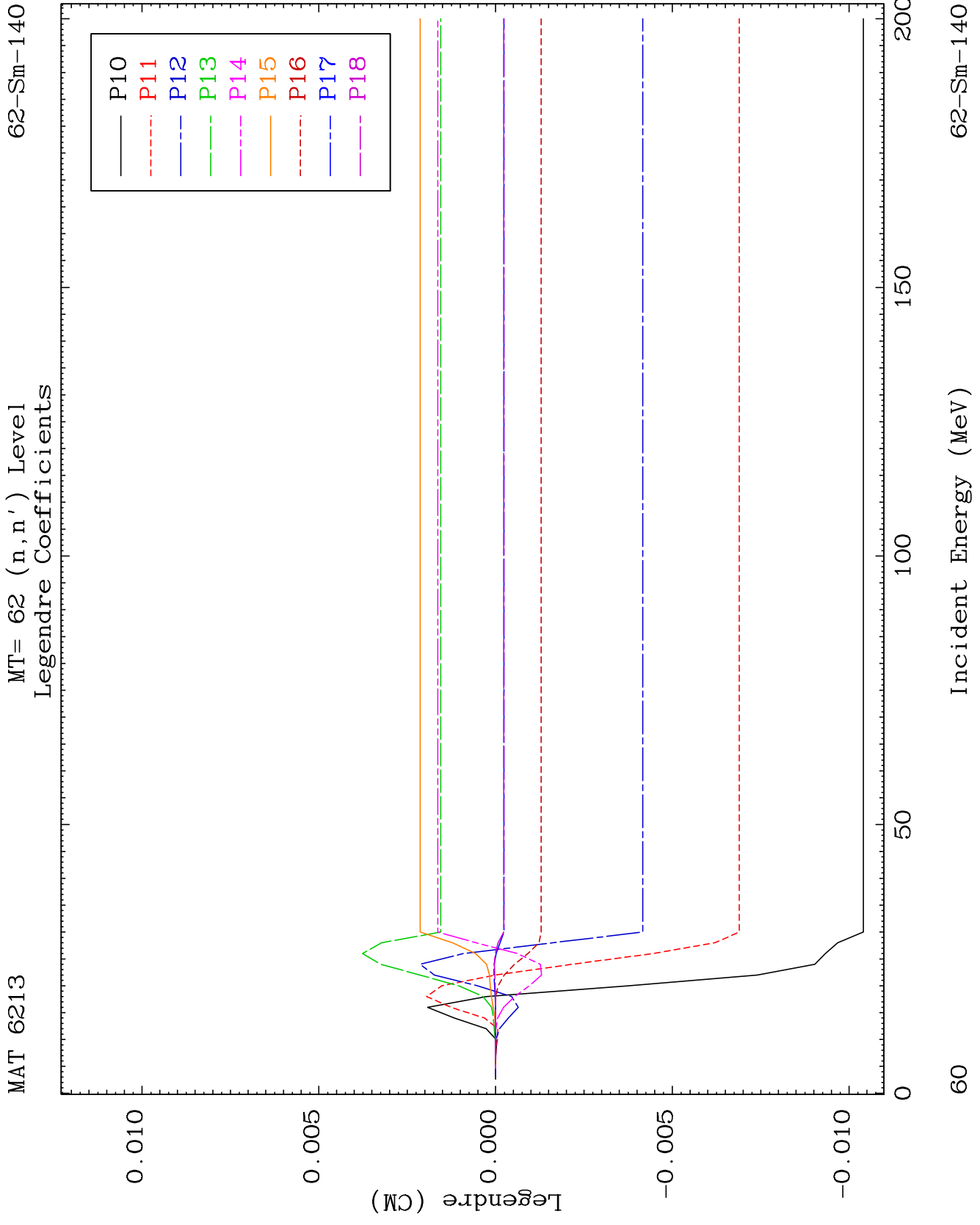
62-Sm-140



59

Incident Energy (MeV)

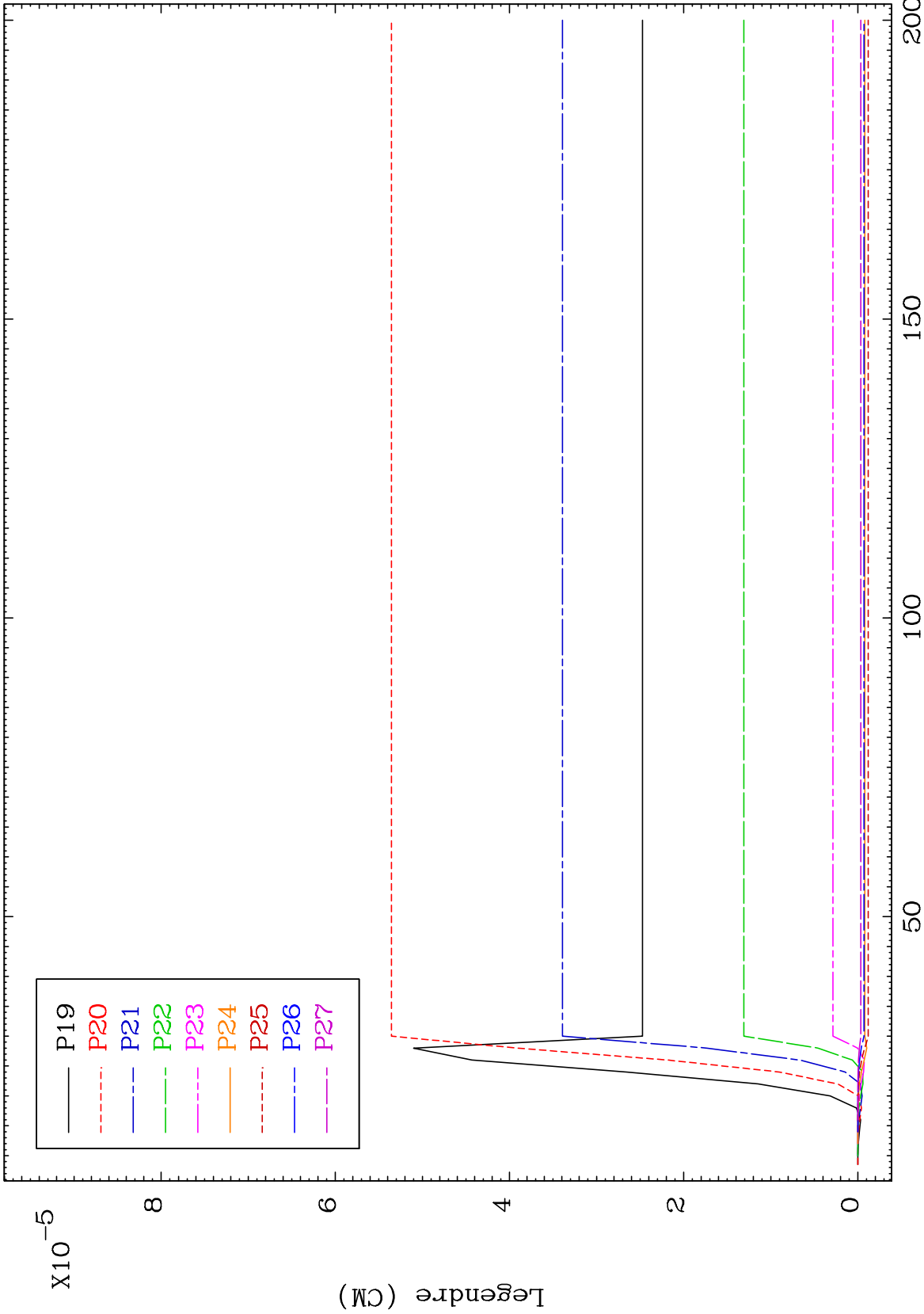
62-Sm-140



MAT 6213

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

62-Sm-140

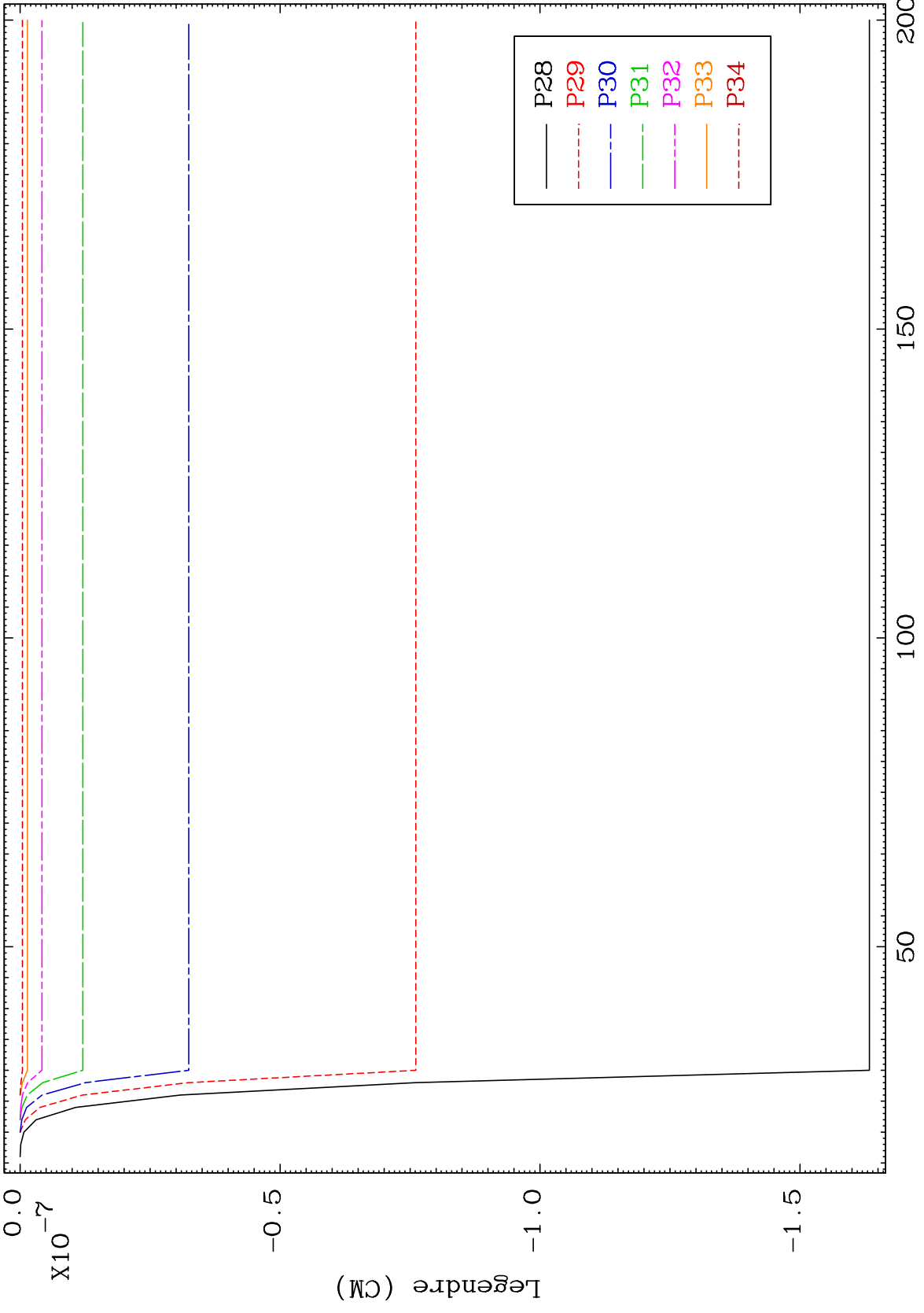


61

Incident Energy (MeV)

62-Sm-140

MAT 6213 MT= 62 (n,n') Level Legendre Coefficients 62-Sm-140

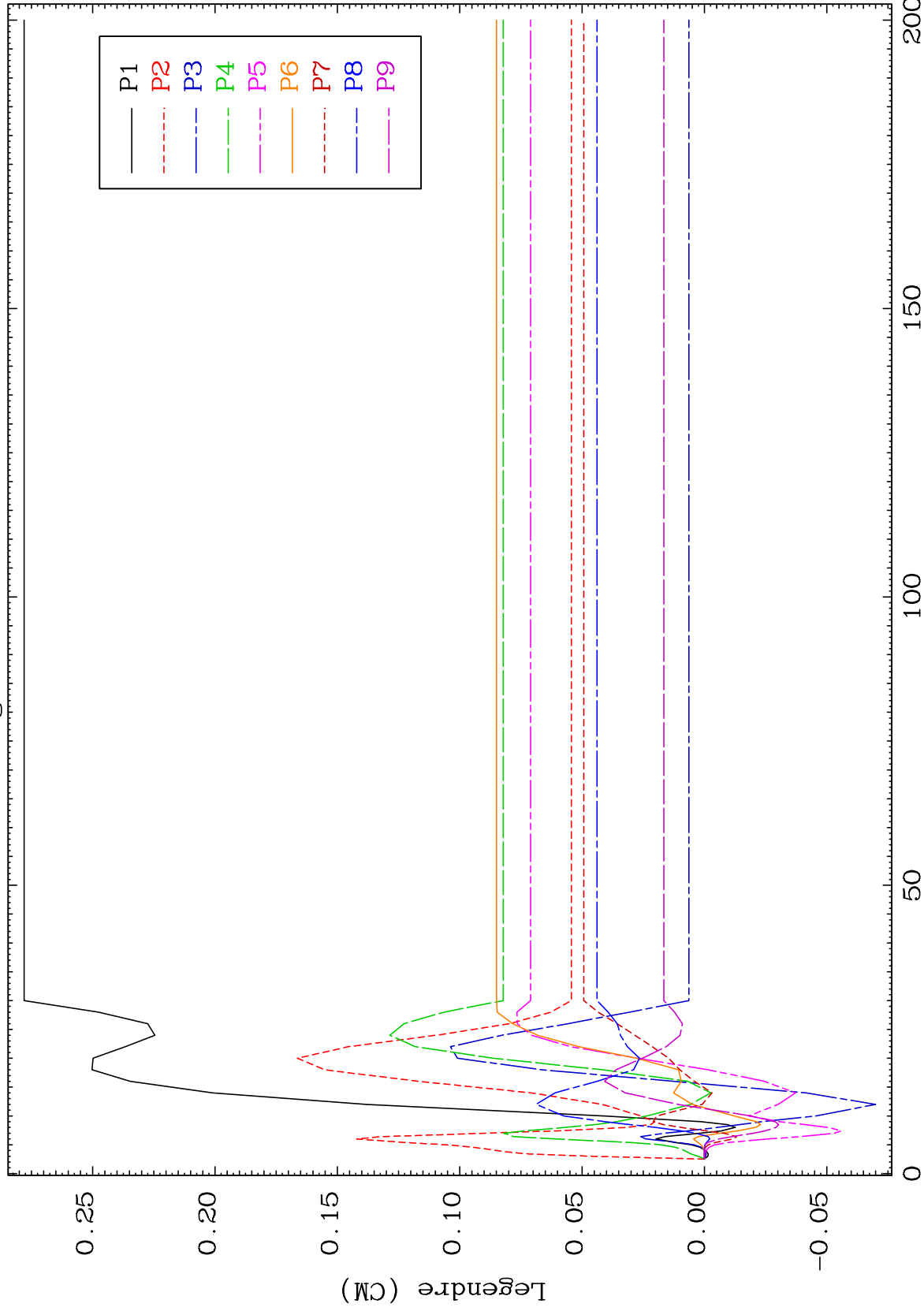


62 62-Sm-140

MAT 6213

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

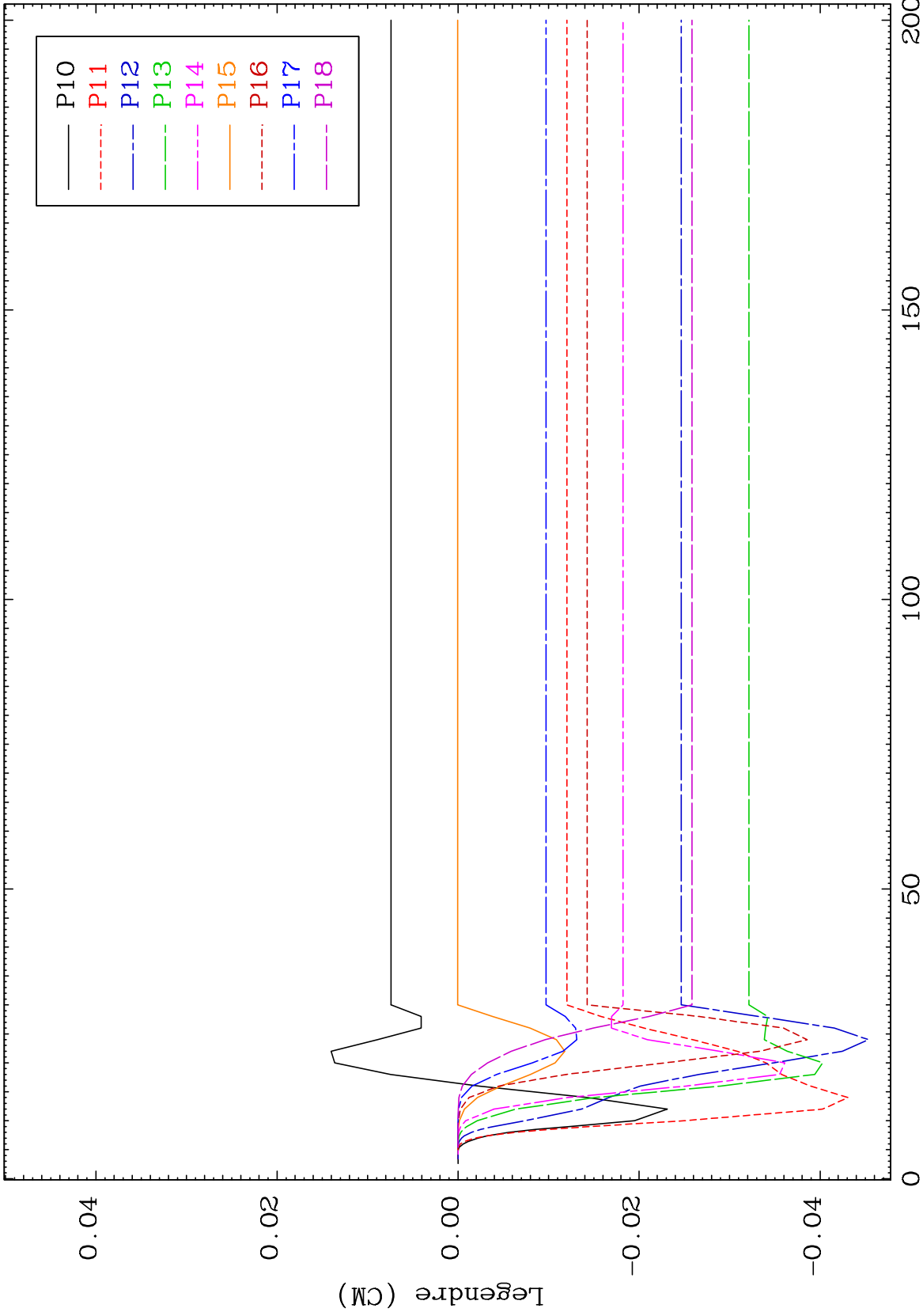
62-Sm-140



MAT 6213

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

62-Sm-140

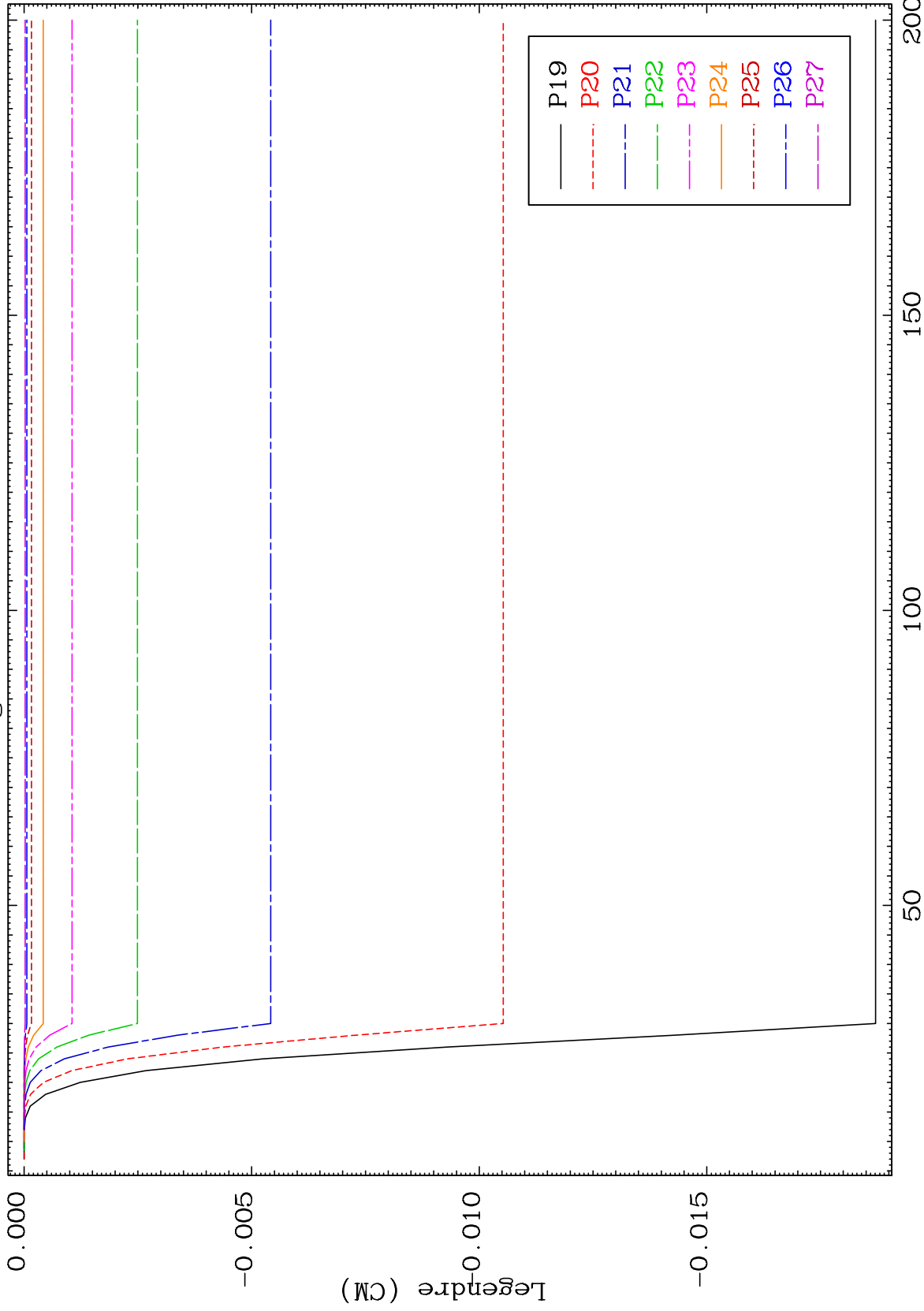


64

Incident Energy (MeV)

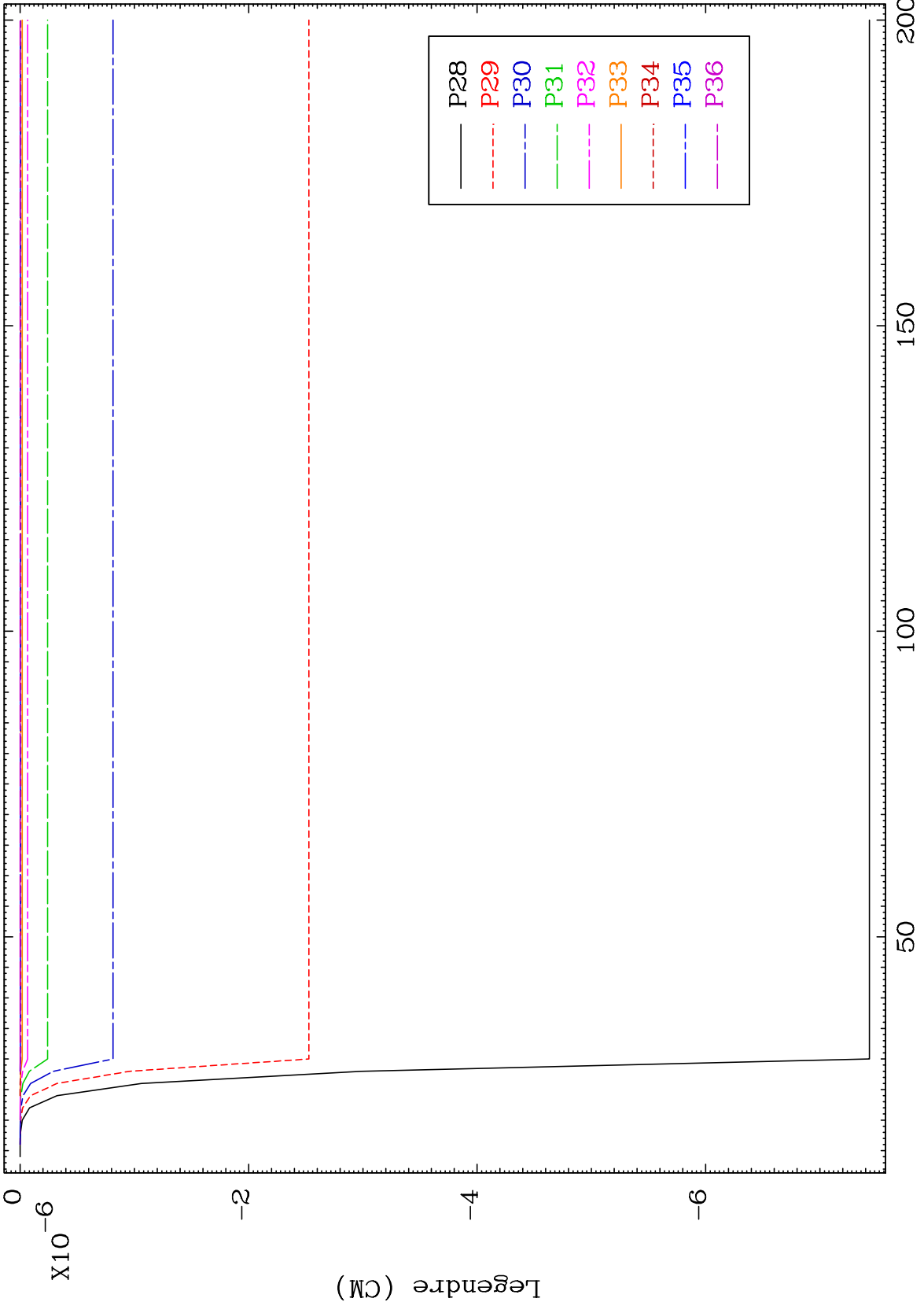
62-Sm-140

MAT 6213 MT= 63 (n,n') Level Legendre Coefficients 62-Sm-140



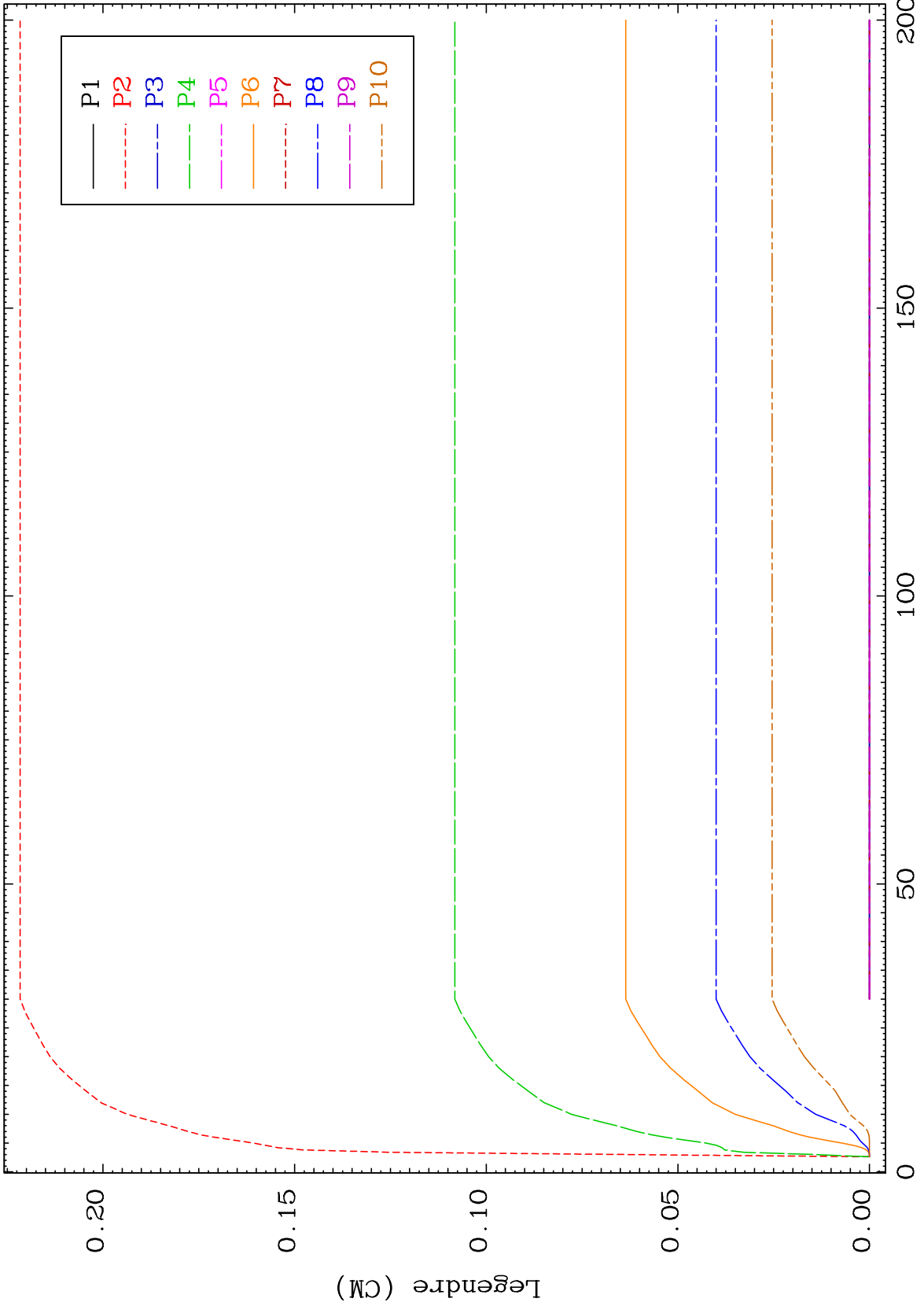
65 62-Sm-140

MAT 6213 MT= 63 (n,n') Level Legendre Coefficients 62-Sm-140



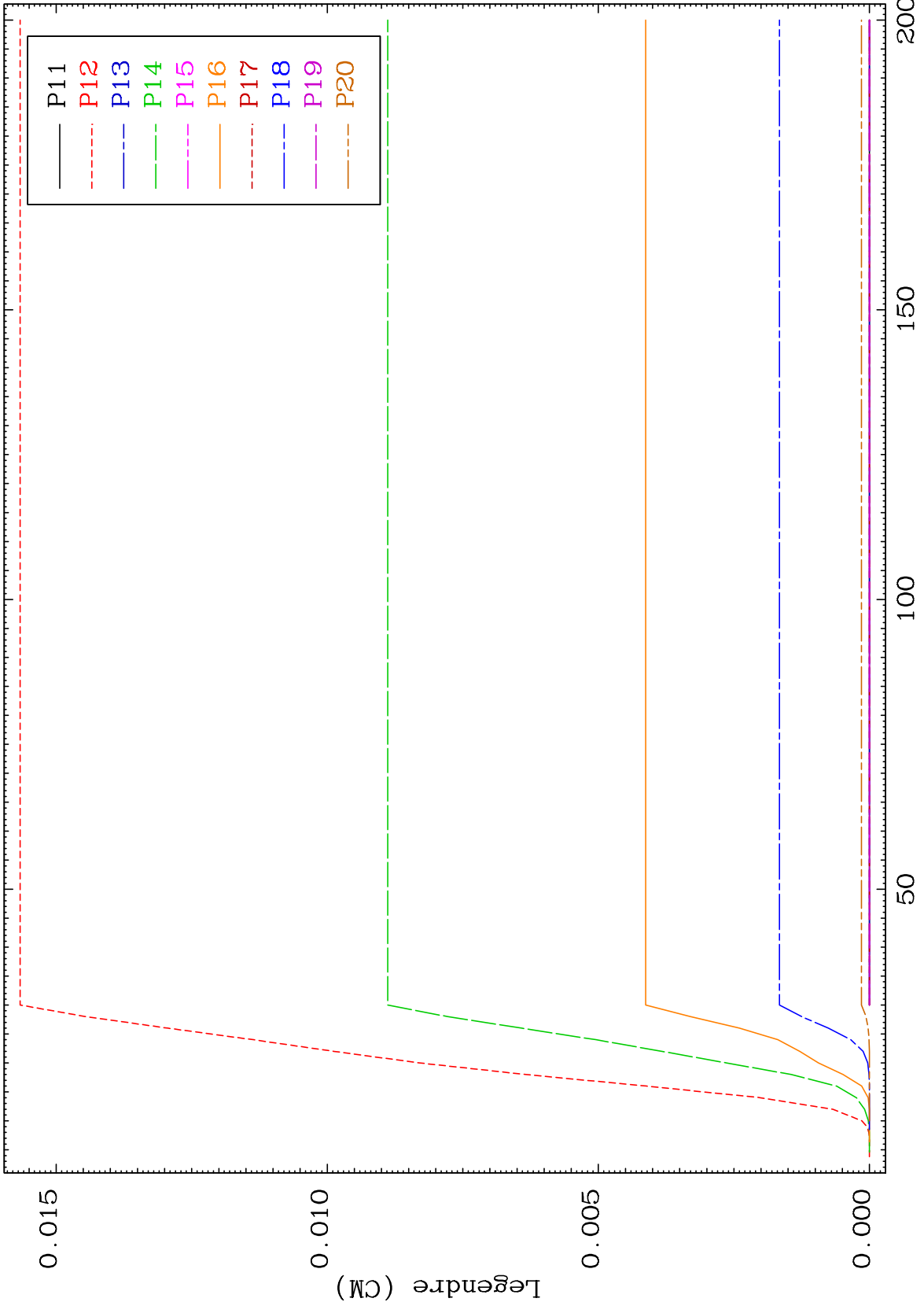
66 Incident Energy (MeV) 62-Sm-140

MAT 6213 MT= 64 (n,n') Level Legendre Coefficients 62-Sm-140



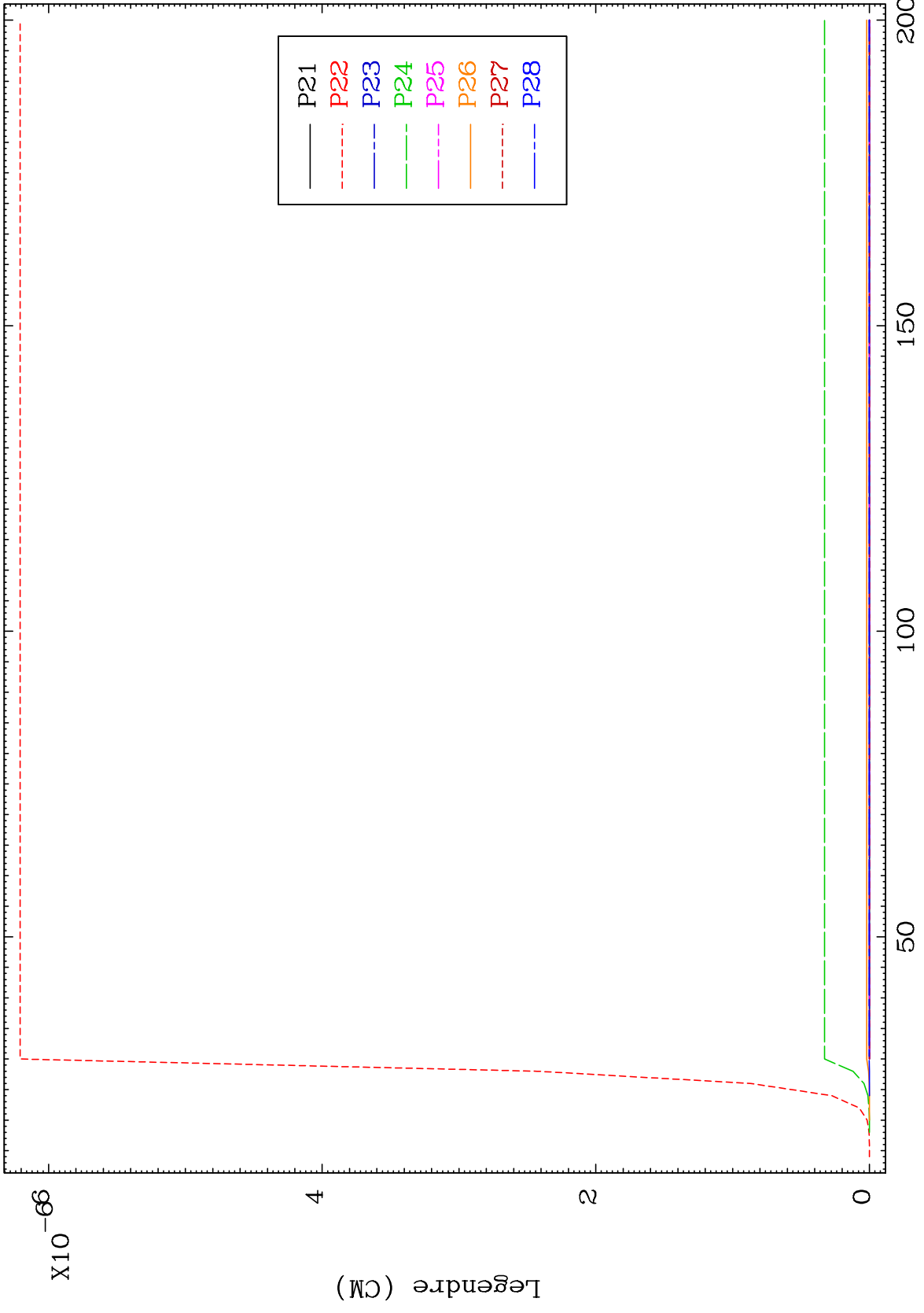
67 62-Sm-140

MAT 6213 MT= 64 (n,n') Level Legendre Coefficients 62-Sm-140



68 Incident Energy (MeV) 62-Sm-140

MAT 6213 MT= 64 (n,n') Level Legendre Coefficients 62-Sm-140

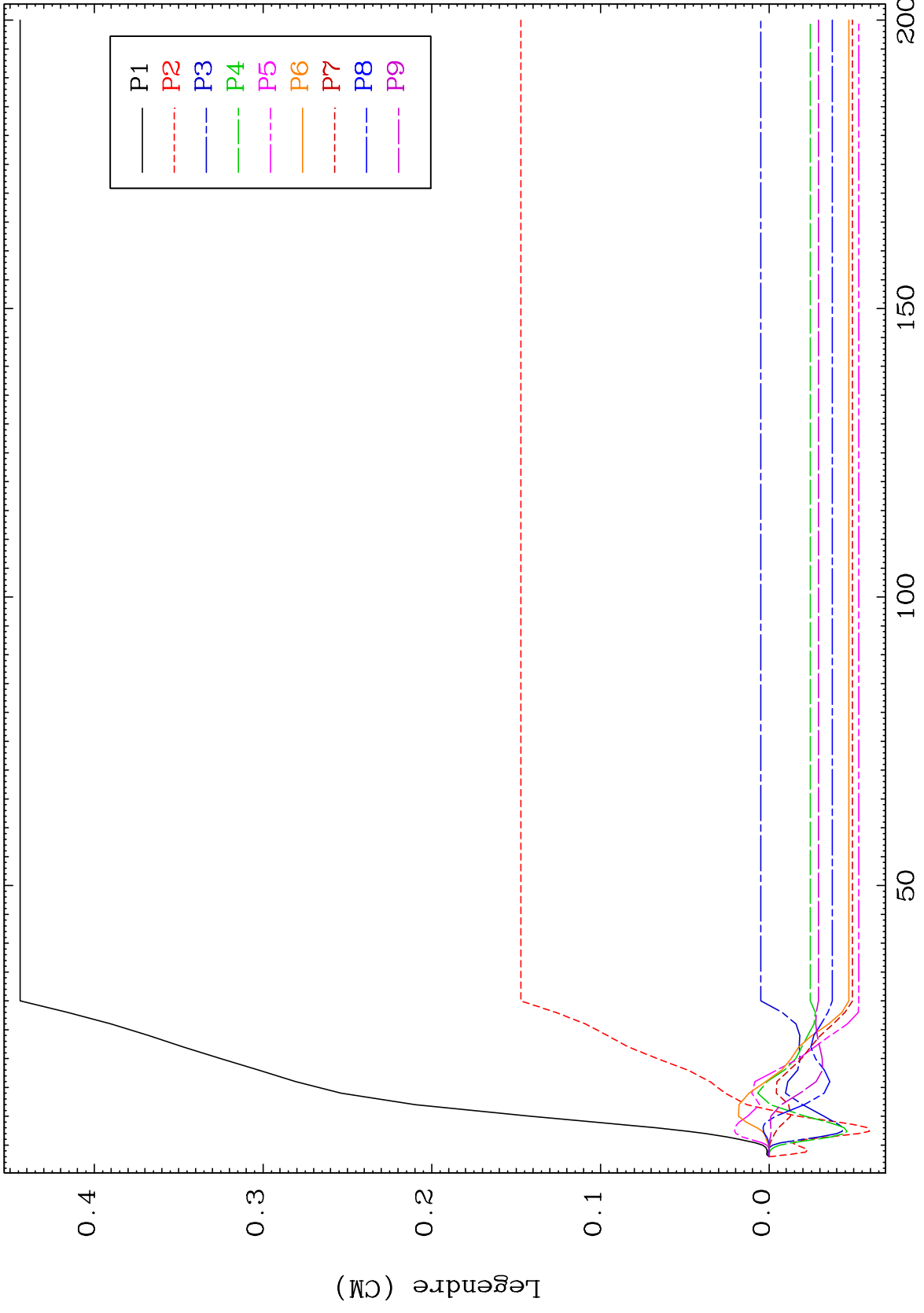


69 62-Sm-140

MAT 6213

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

62-Sm-140



70

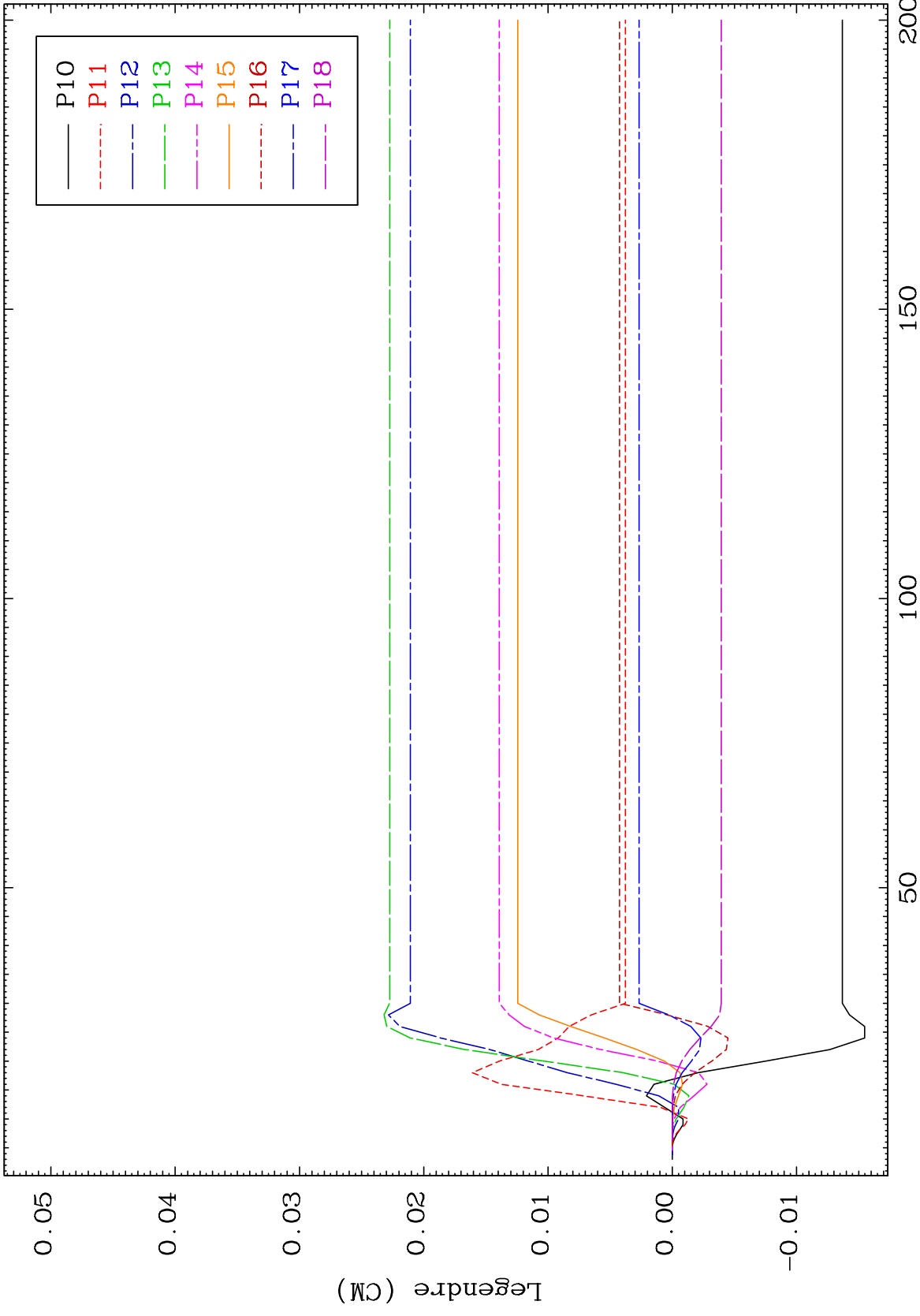
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



71

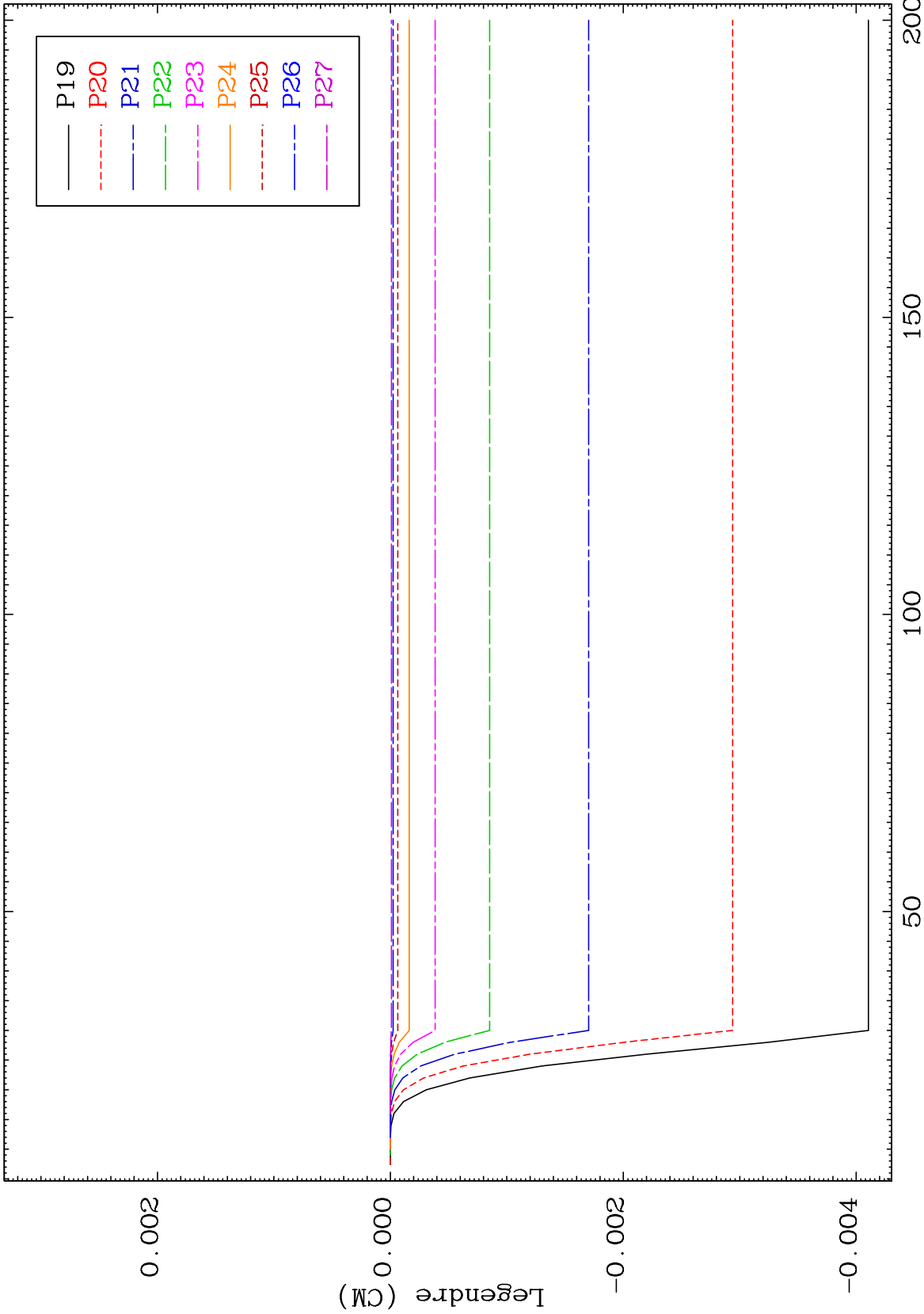
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



72

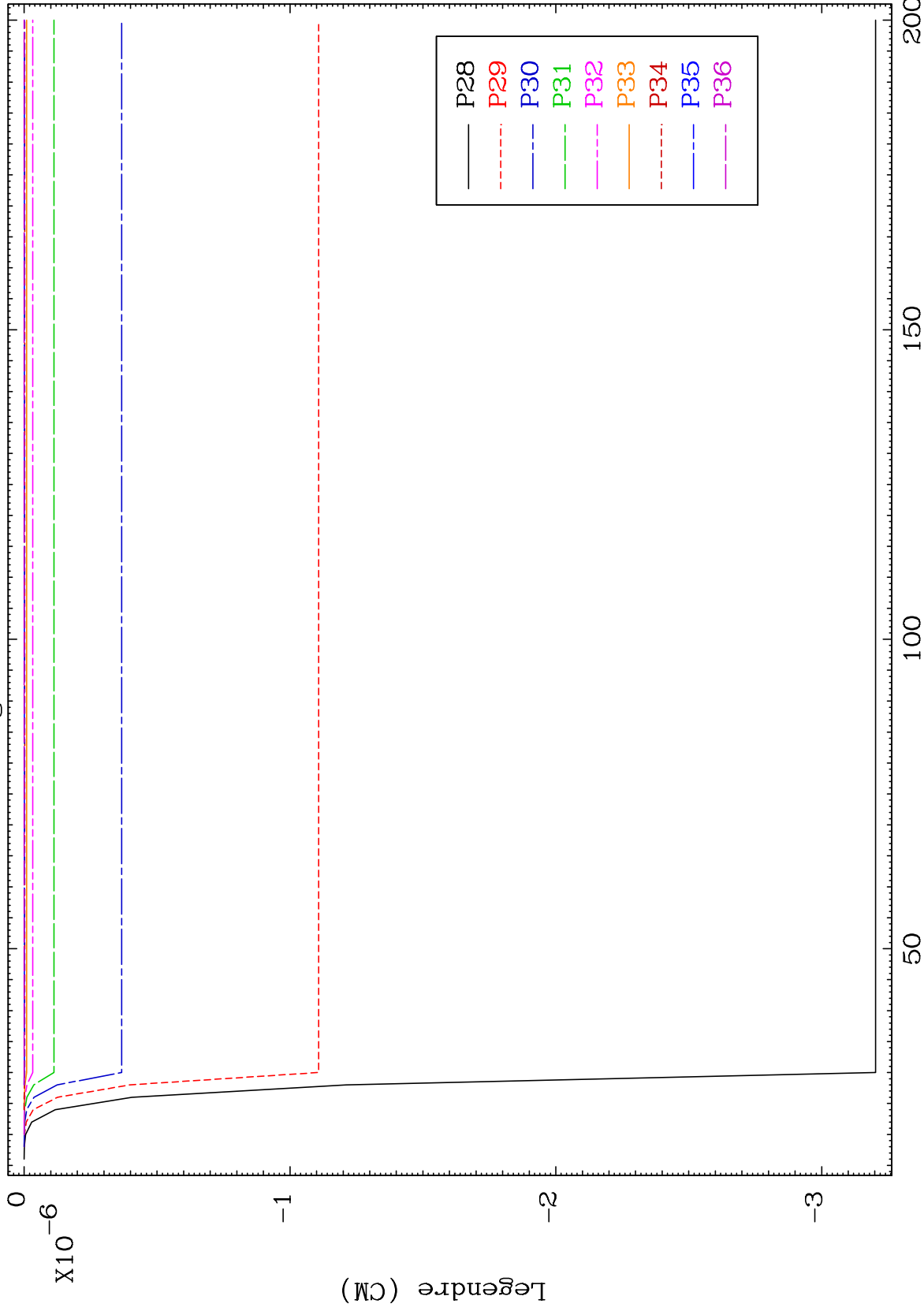
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



62-Sm-140

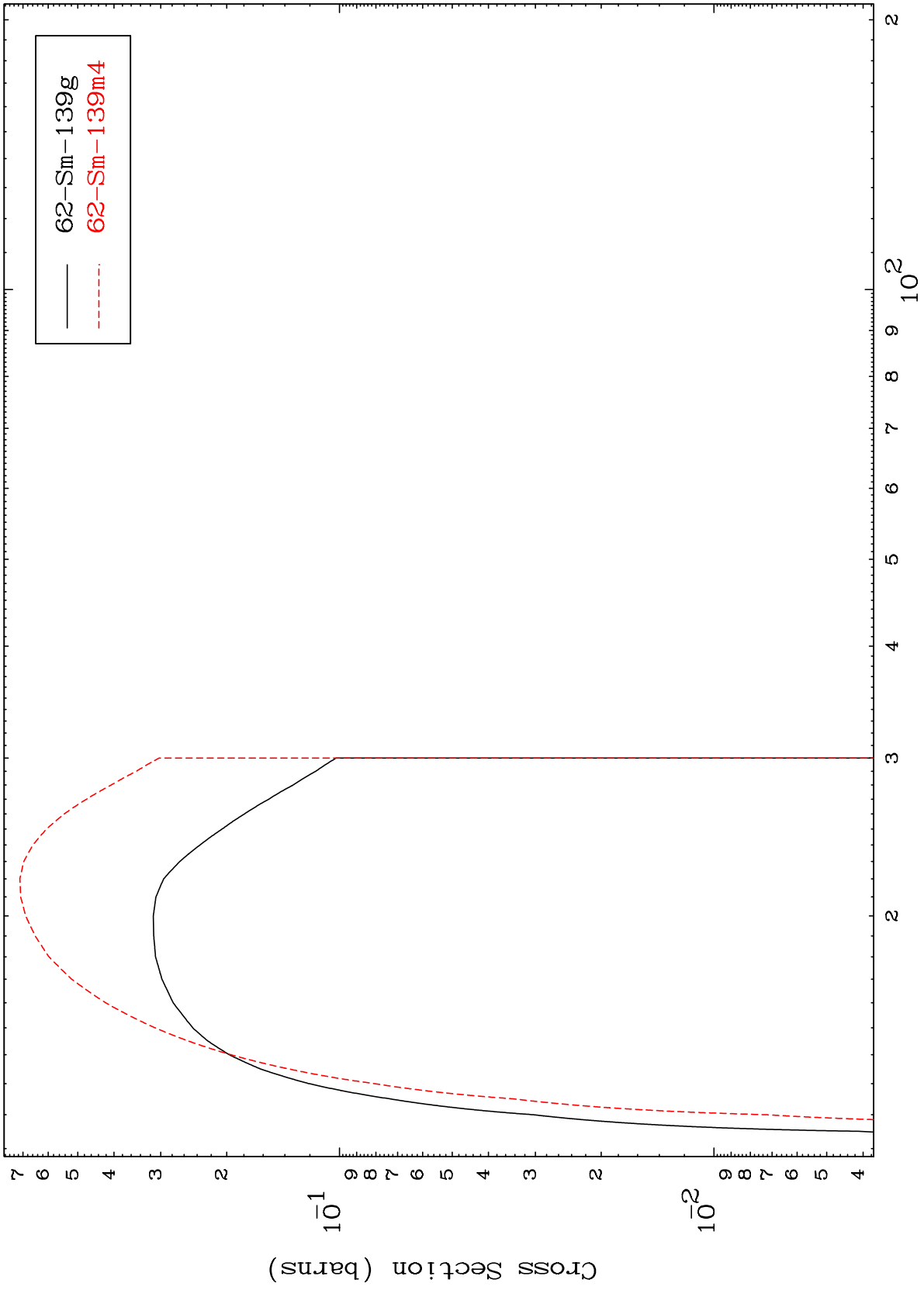
Incident Energy (MeV)

73

MAT 6213

62-Sm-140

(n,2n)
Radionuclide Production Cross Section



74

Incident Energy (MeV)

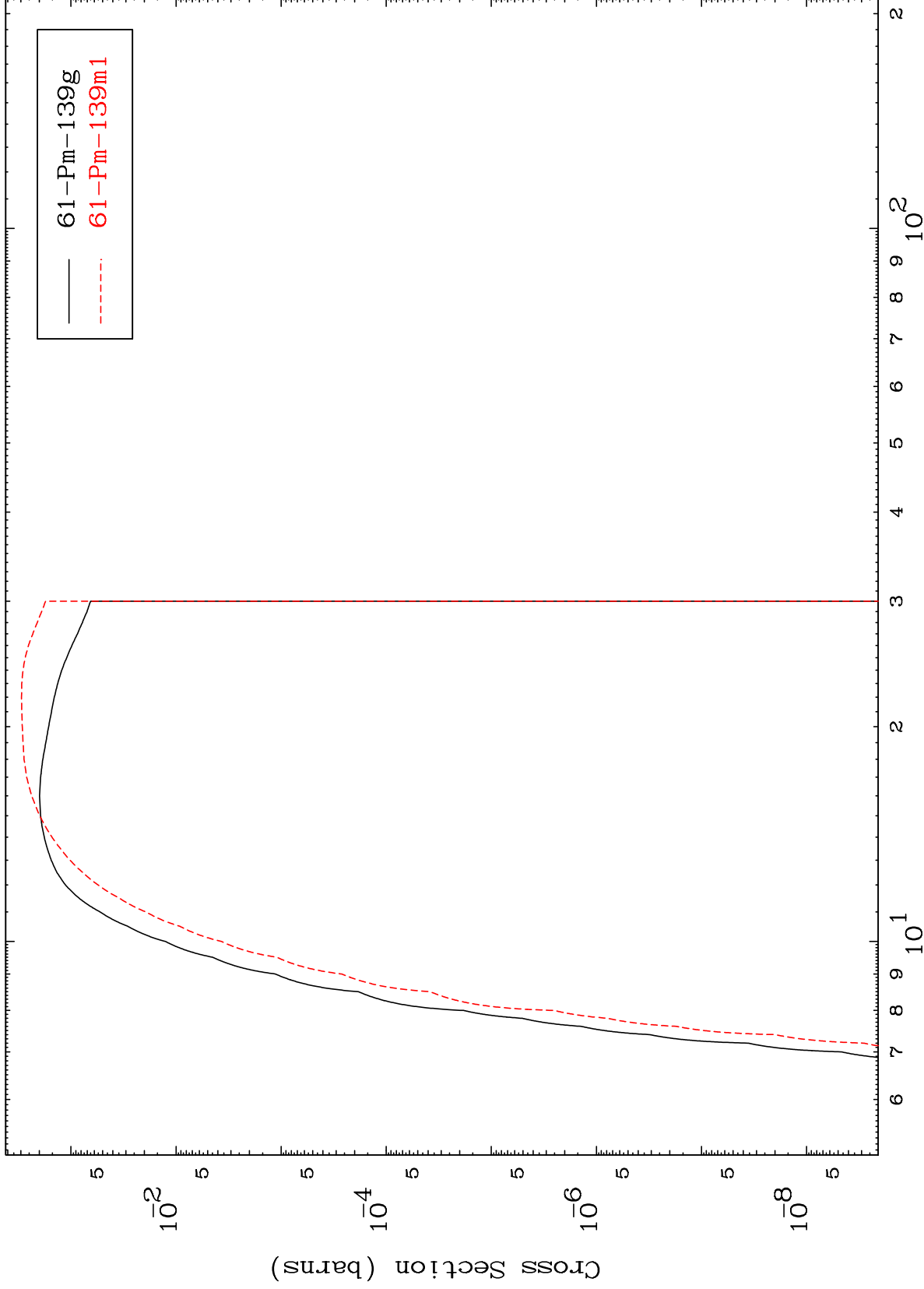
62-Sm-140

MAT 6213

(n,n') p

62-Sm-140

Radionuclide Production Cross Section



75

Incident Energy (MeV)

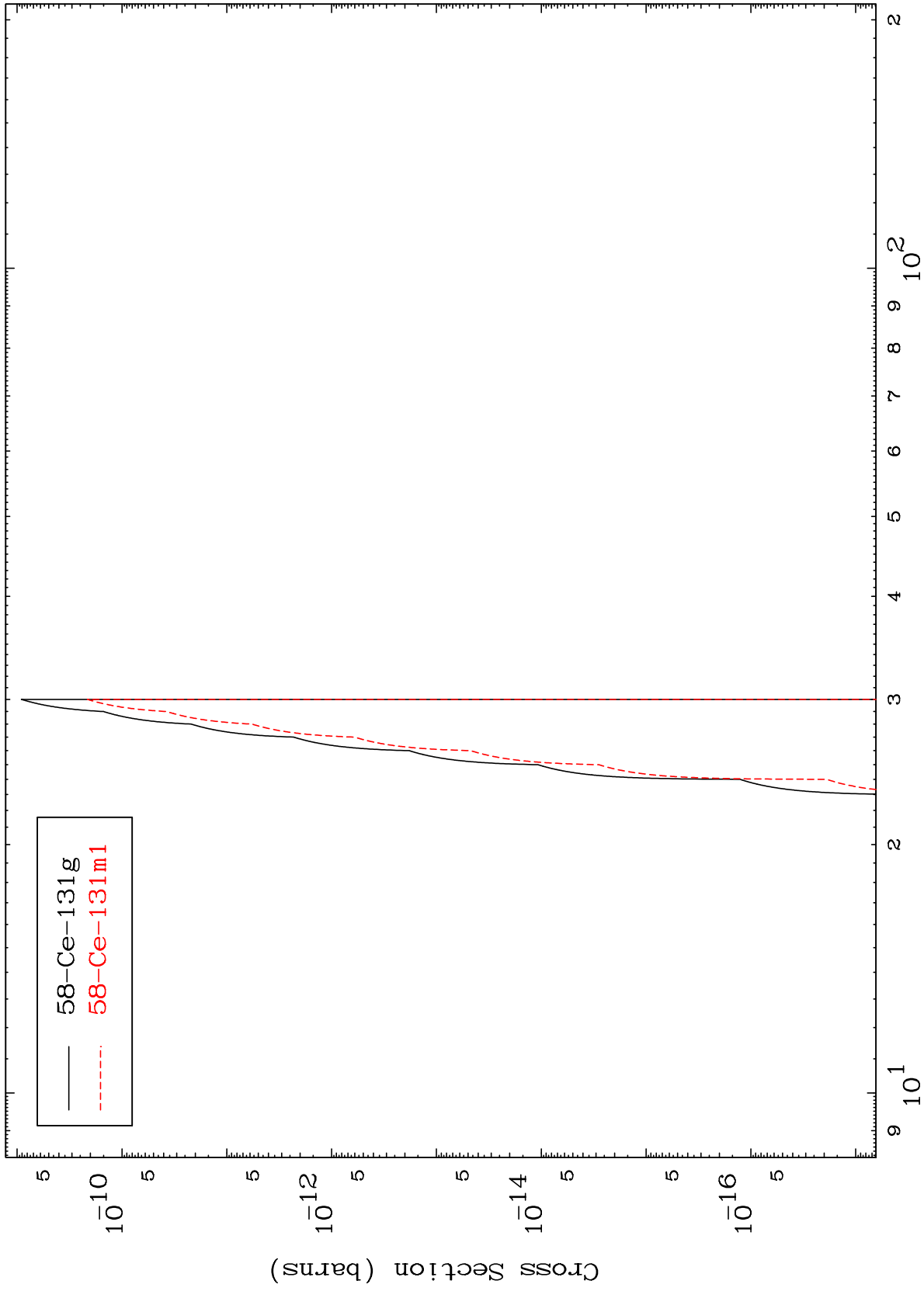
62-Sm-140

MAT 6213

(n,2n) 2α

62-Sm-140

Radionuclide Production Cross Section



76

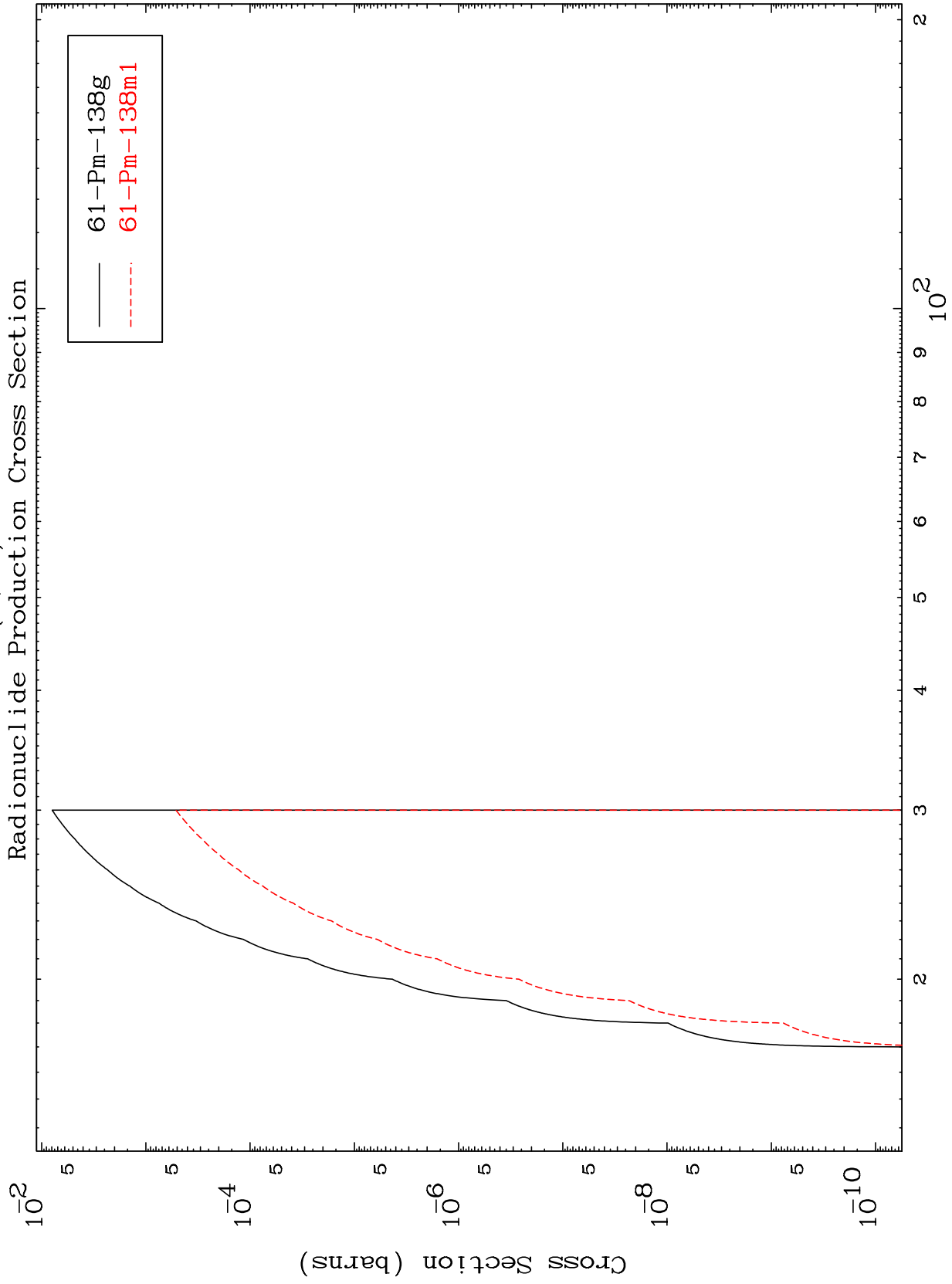
Incident Energy (MeV)

62-Sm-140

MAT 6213

(n,n') d

62-Sm-140



77

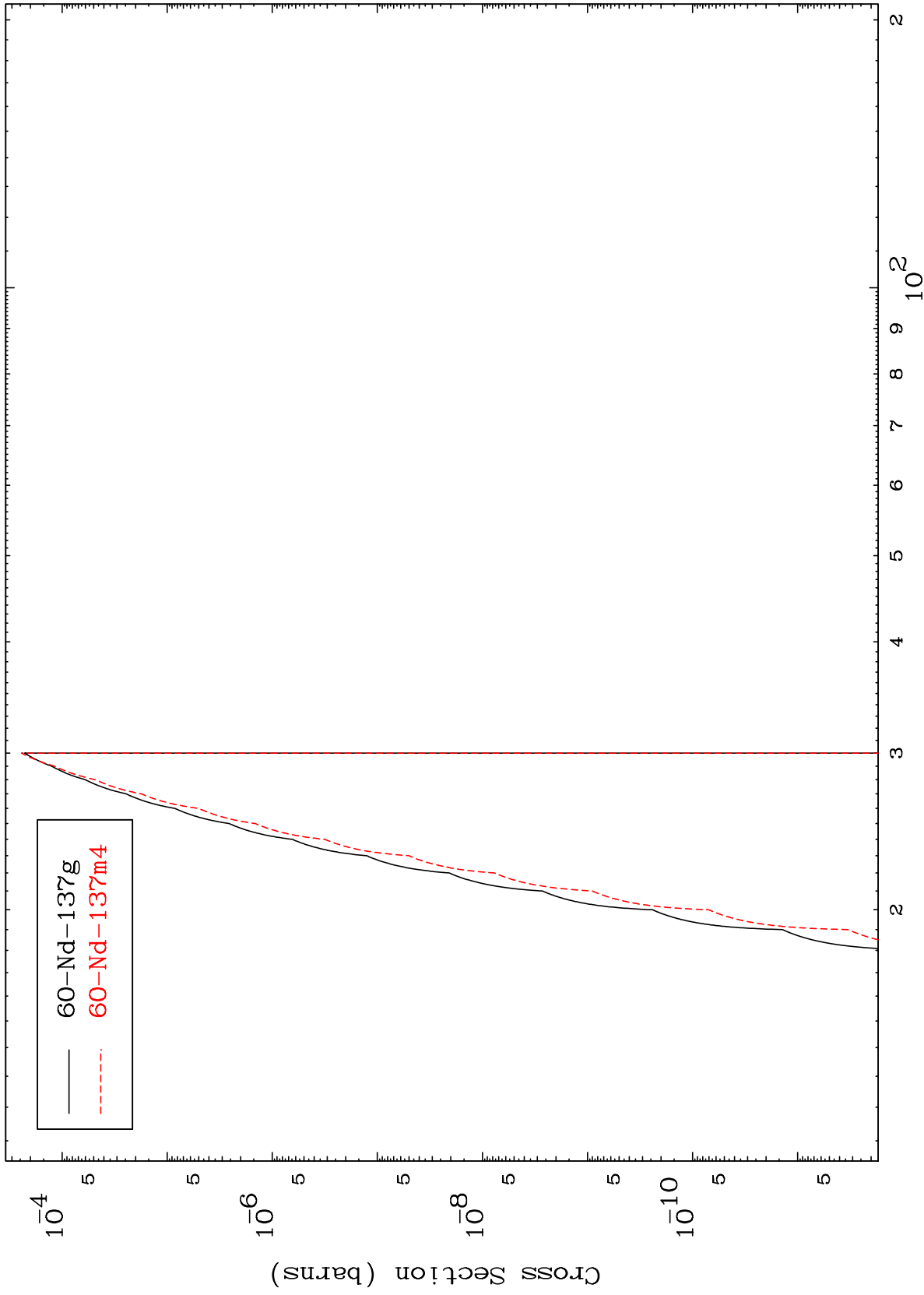
62-Sm-140

MAT 6213

(n, n') He-3

62-Sm-140

Radionuclide Production Cross Section



78

Incident Energy (MeV)

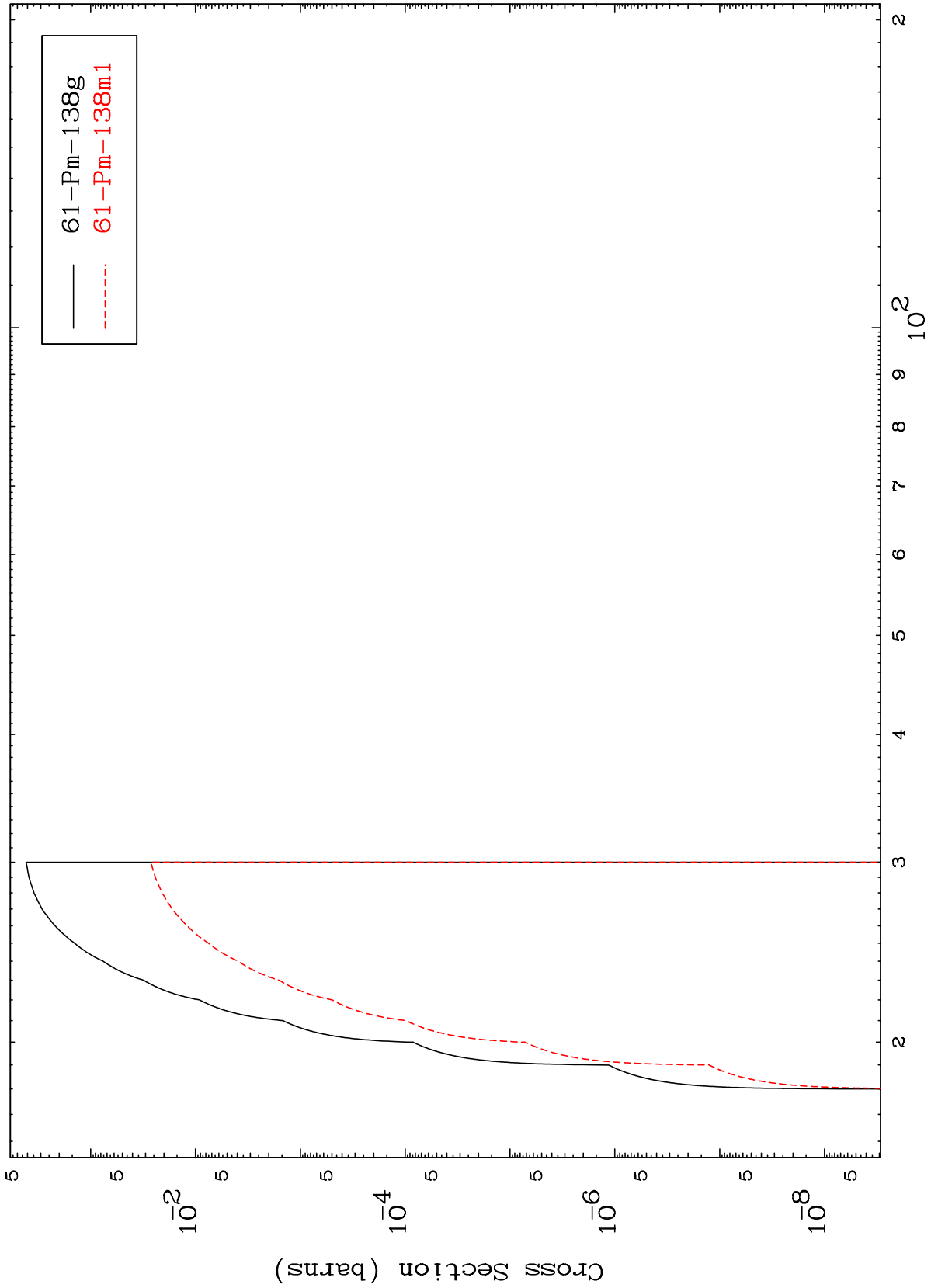
62-Sm-140

MAT 6213

(n,2n) p

62-Sm-140

Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

79

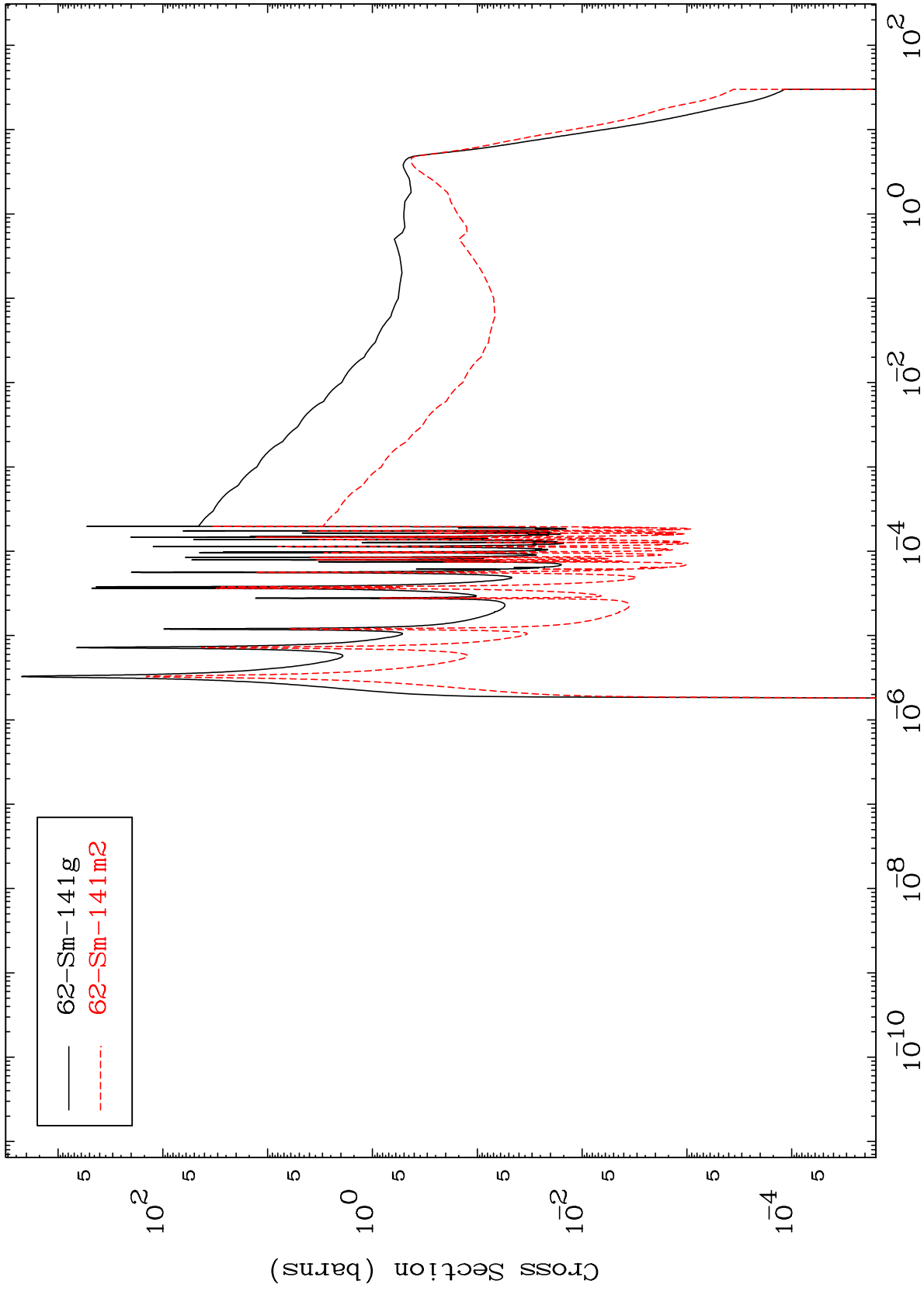
Incident Energy (MeV)

62-Sm-140

MAT 6213

62-Sm-140

Radionuclide Production Cross Section



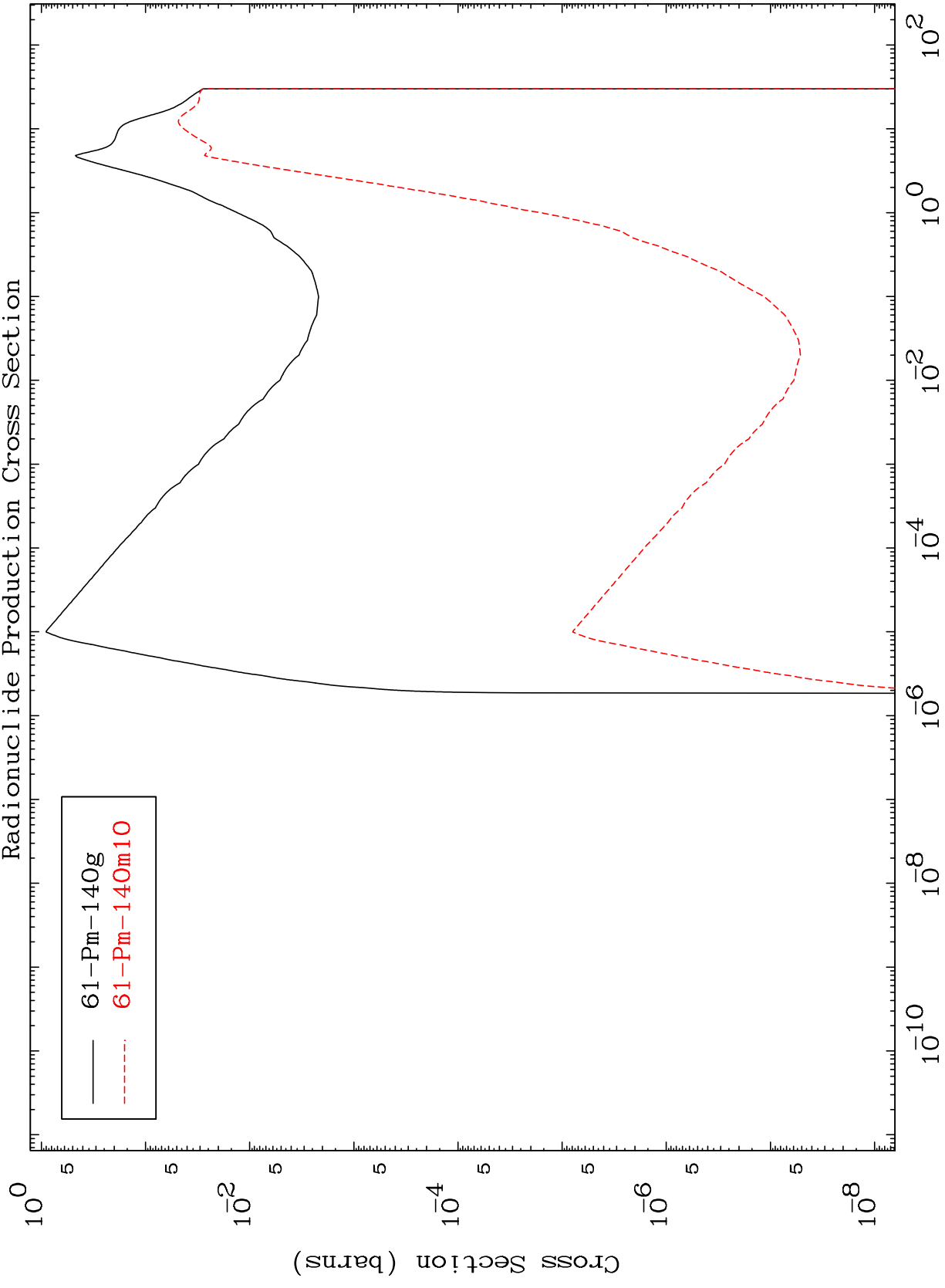
80

62-Sm-140

MAT 6213

62-Sm-140

Radionuclide Production Cross Section (n,p)



61-Pm-140g
61-Pm-140m10

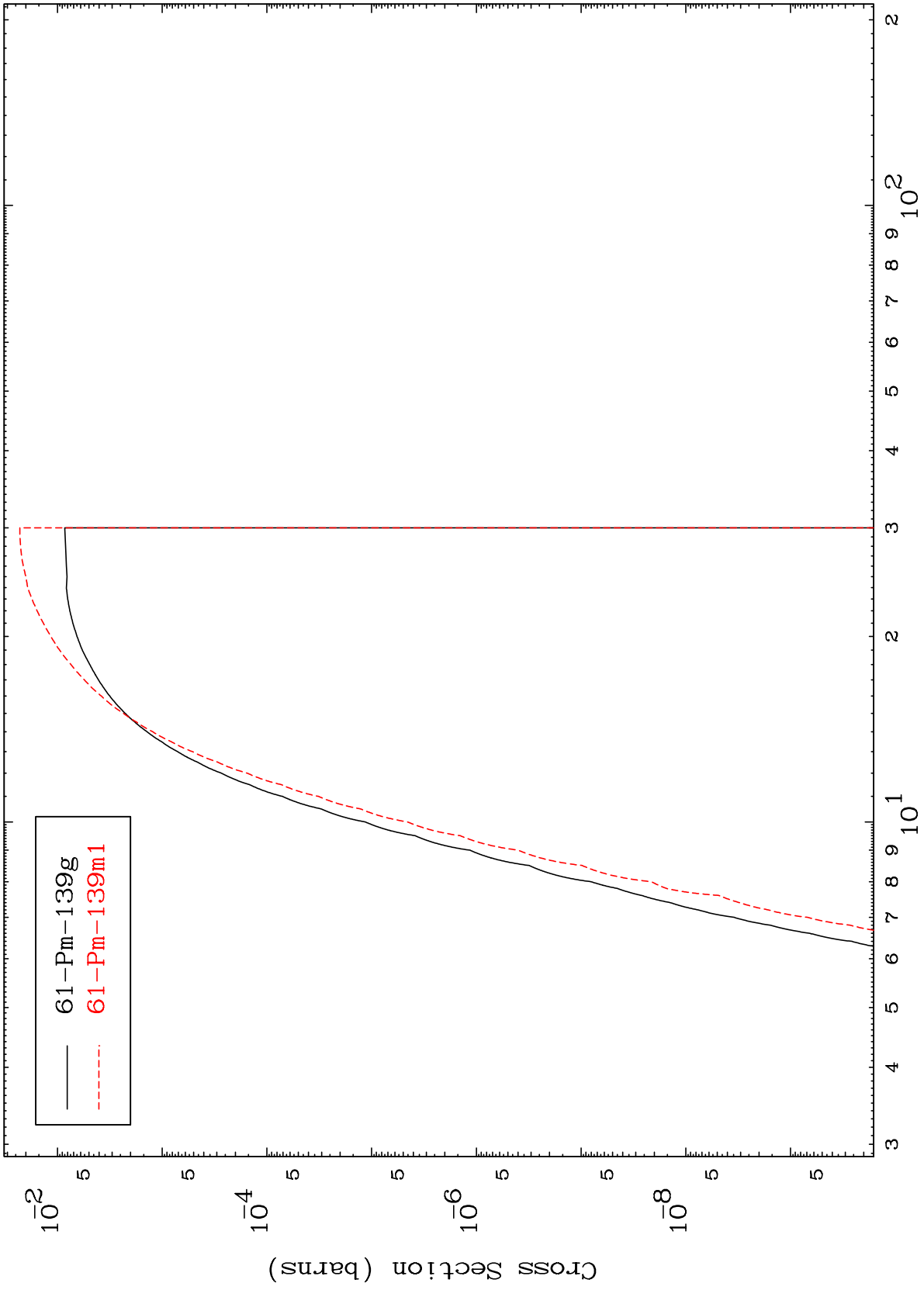
81

62-Sm-140

MAT 6213

62-Sm-140

(n,d)
Radionuclide Production Cross Section



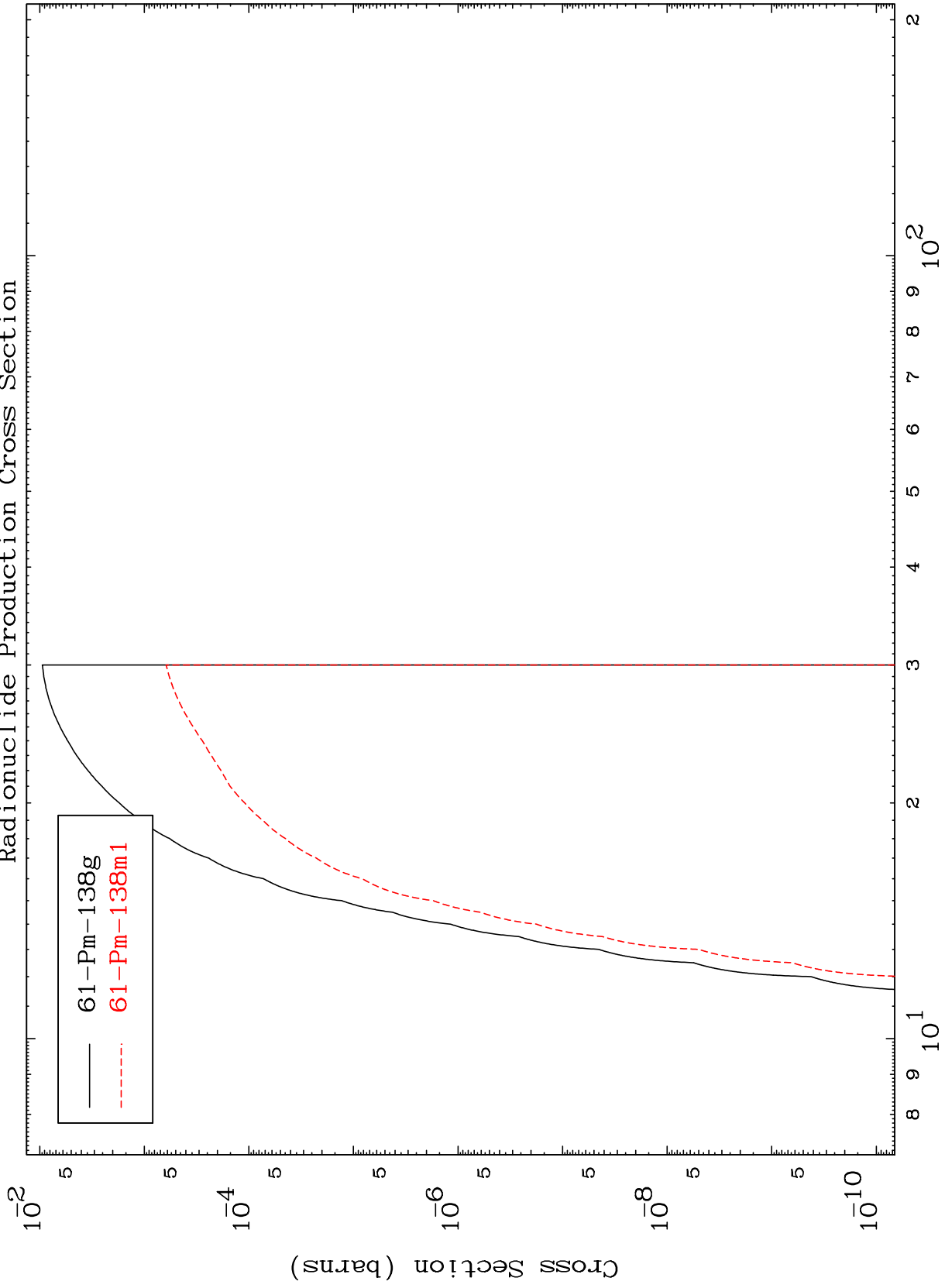
82

62-Sm-140

MAT 6213

62-Sm-140

(n, t)
Radionuclide Production Cross Section



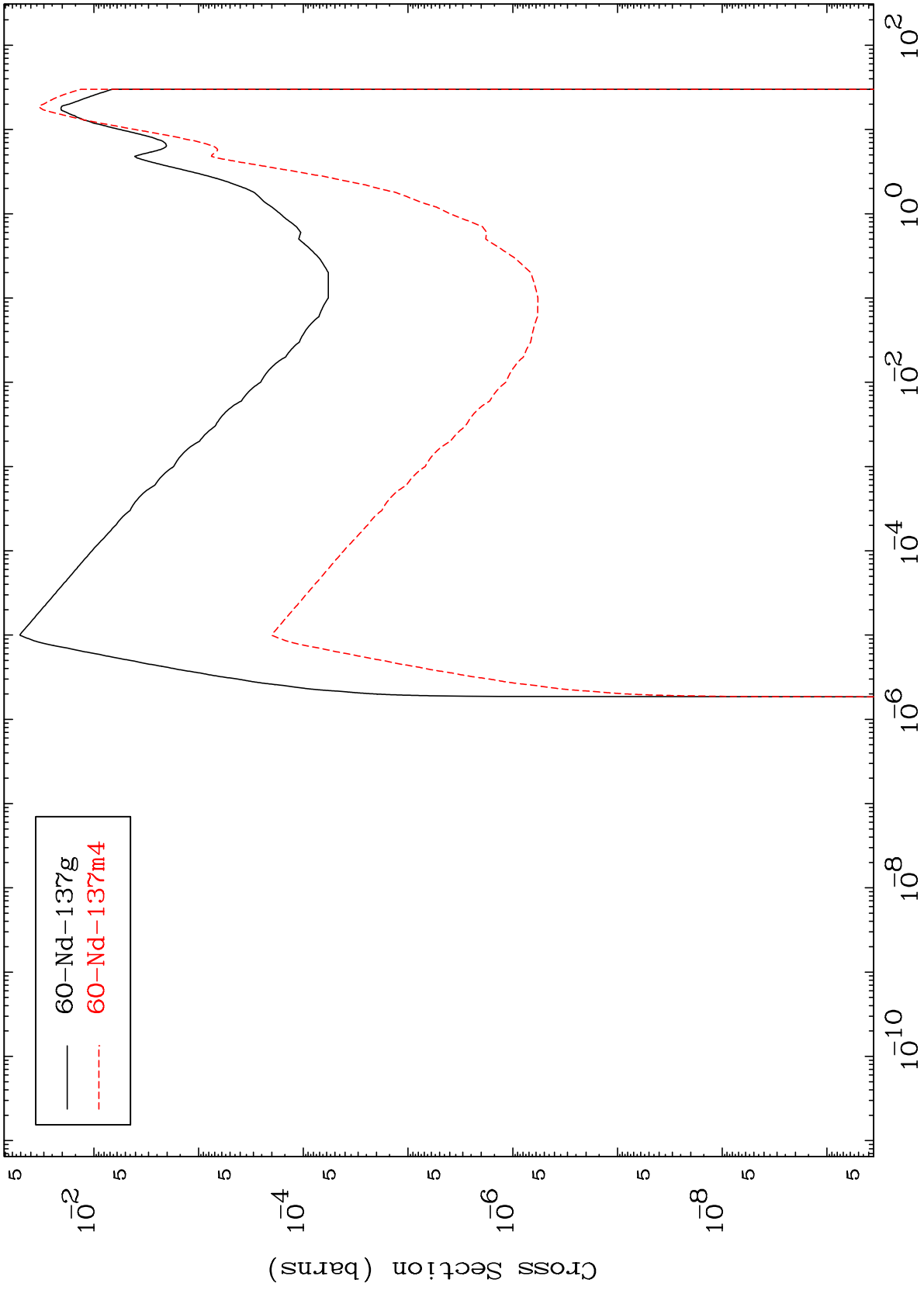
83

62-Sm-140

MAT 6213

62-Sm-140

Radionuclide Production Cross Section



84

Incident Energy (MeV)

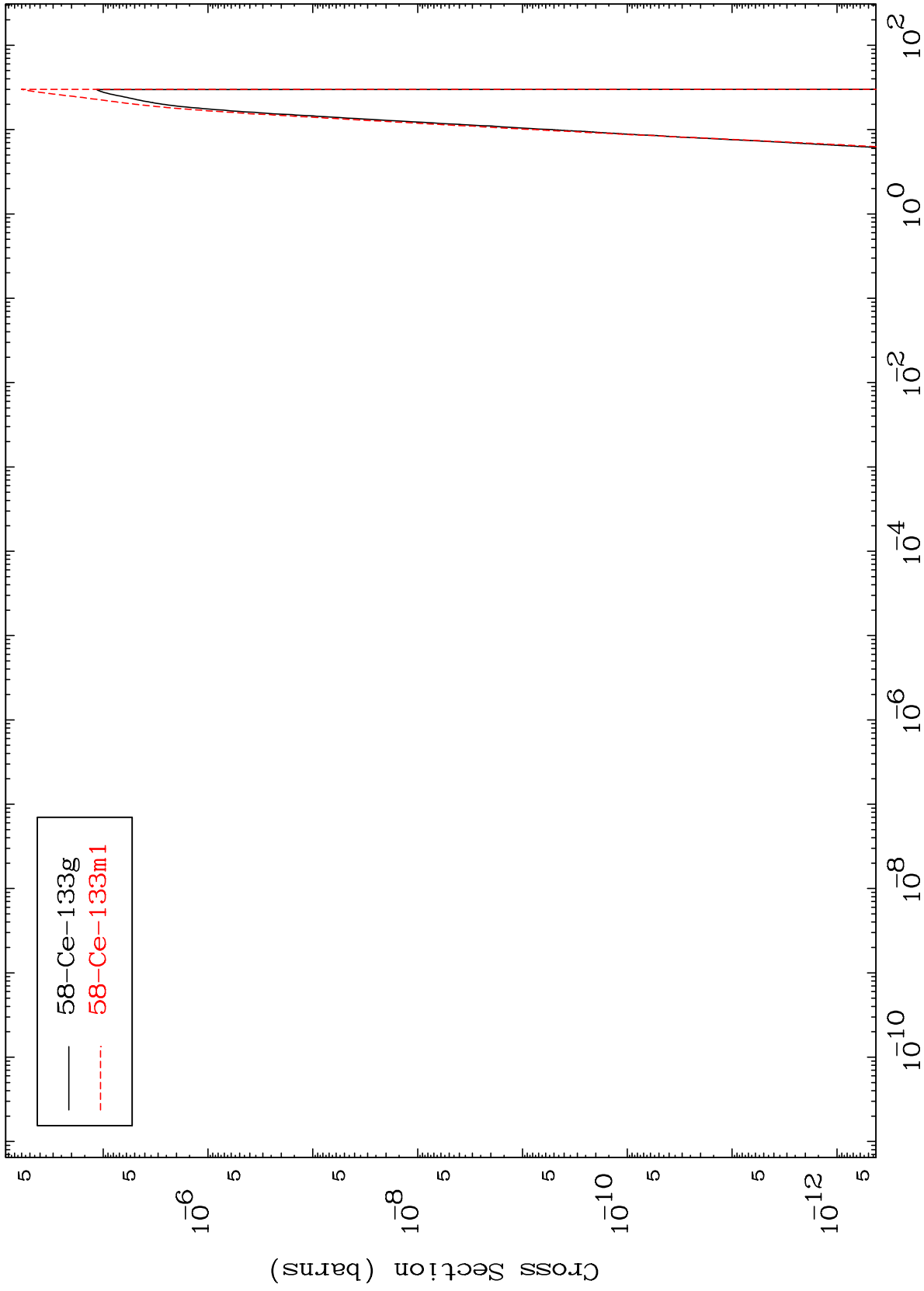
62-Sm-140

MAT 6213

(n,2α)

62-Sm-140

Radionuclide Production Cross Section



85

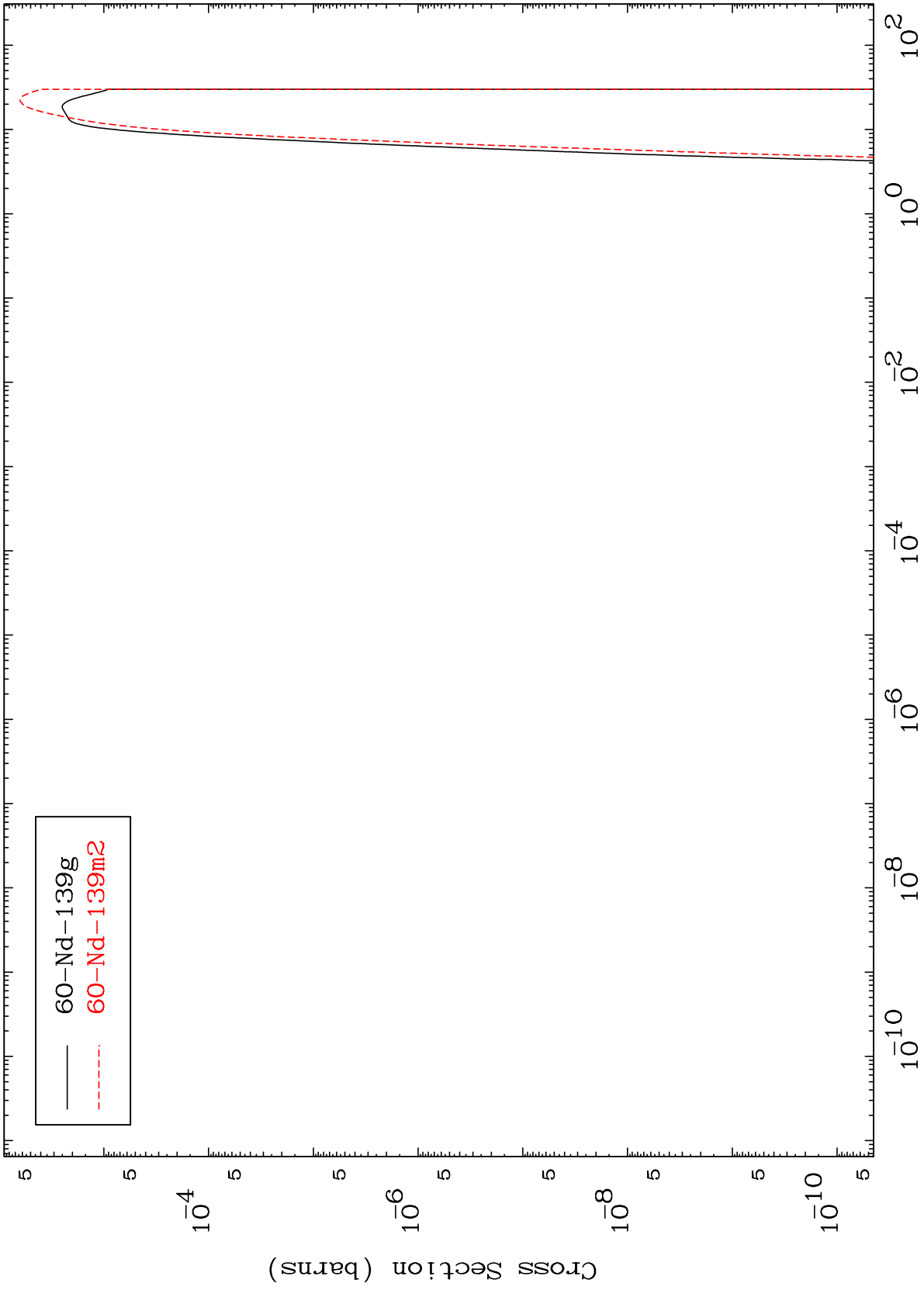
Incident Energy (MeV)

62-Sm-140

MAT 6213

(n,2p)
Radionuclide Production Cross Section

62-Sm-140



86

Incident Energy (MeV)

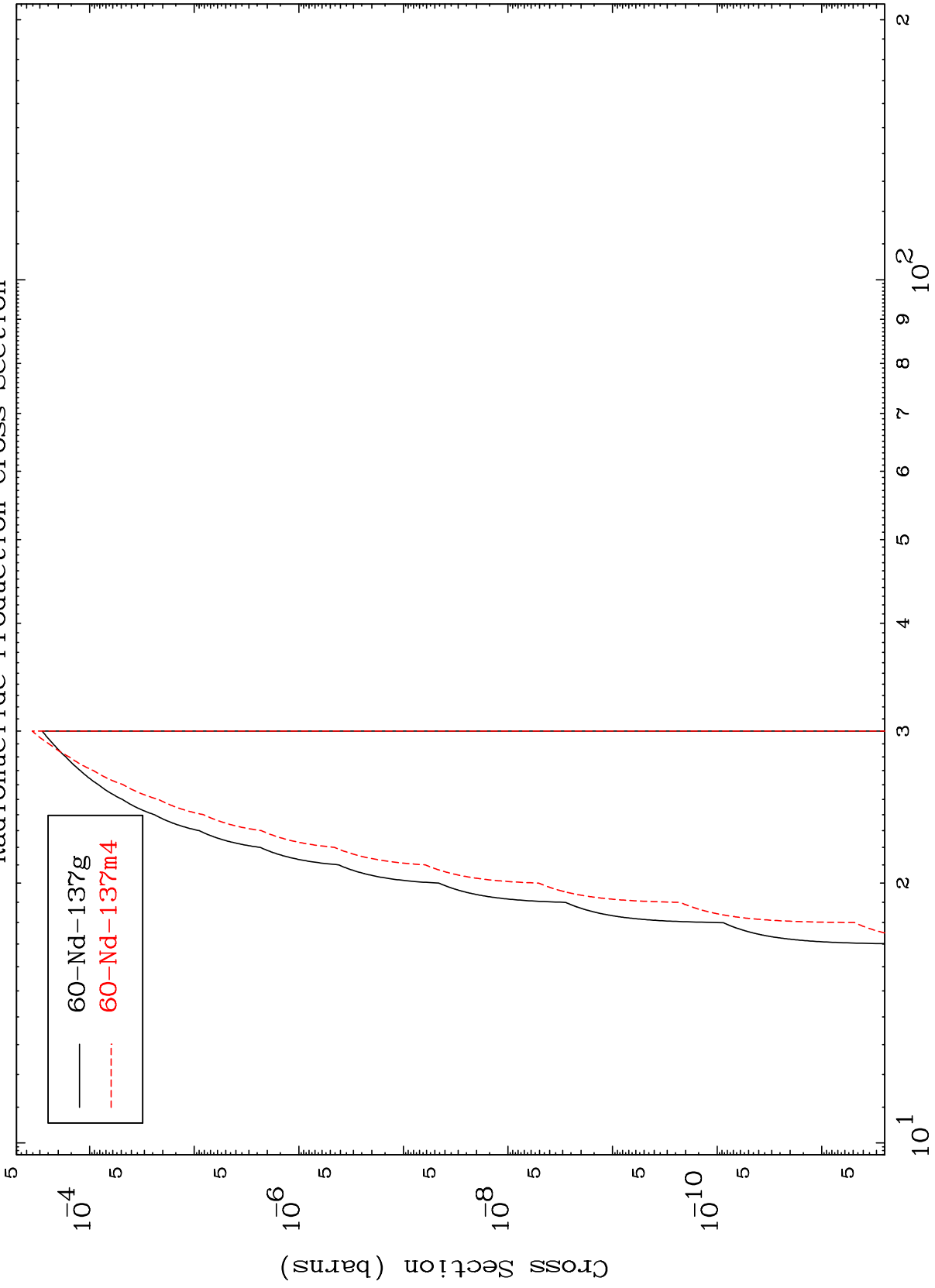
62-Sm-140

MAT 6213

(n,p) t

62-Sm-140

Radionuclide Production Cross Section



87

Incident Energy (MeV)

62-Sm-140