

Program EVALPLOT
(Version 2018-1)

by

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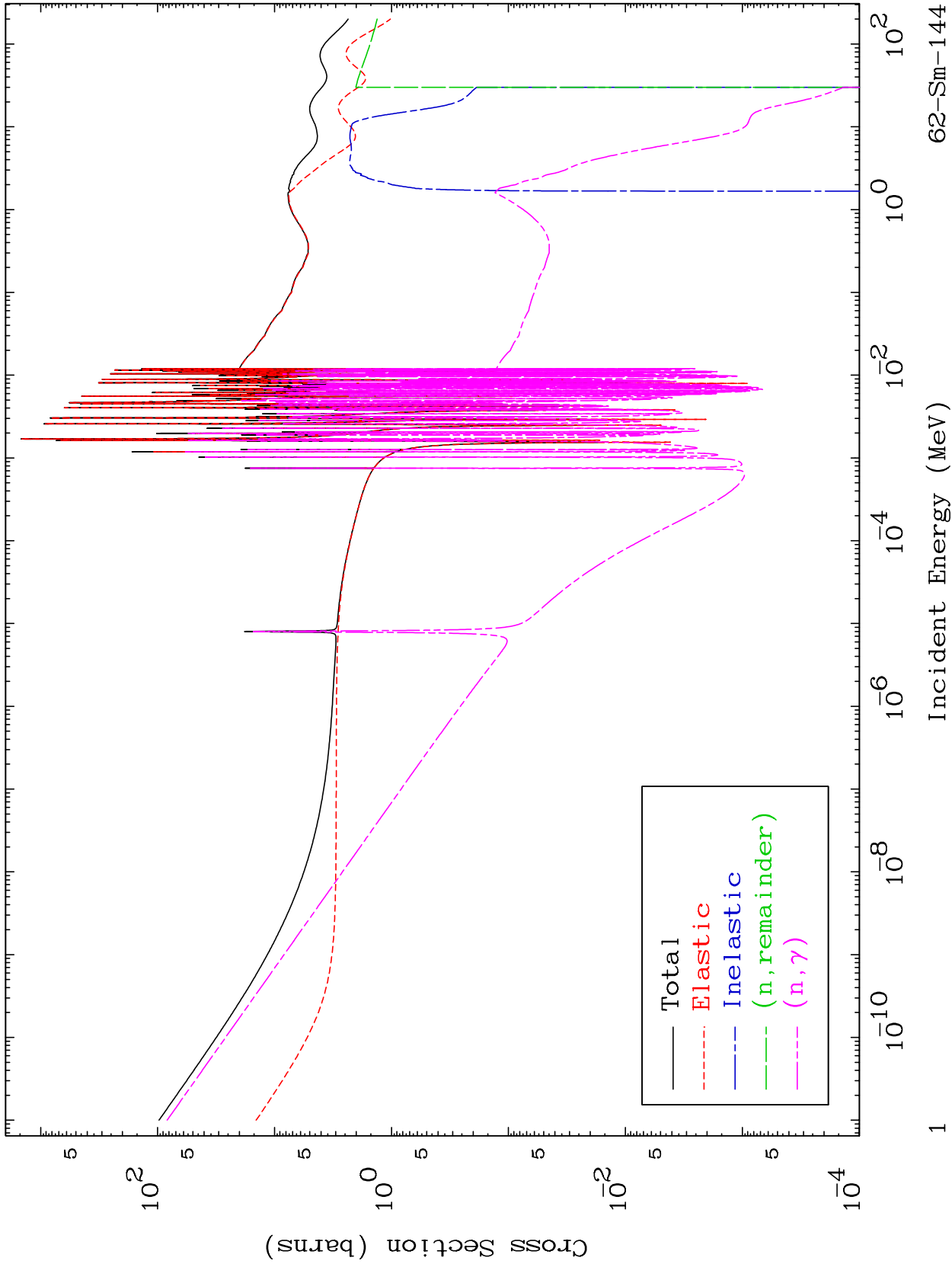
Press Mouse Button to Start

MAT 6225

Major

293 Kelvin Cross Sections

62-Sm-144



1

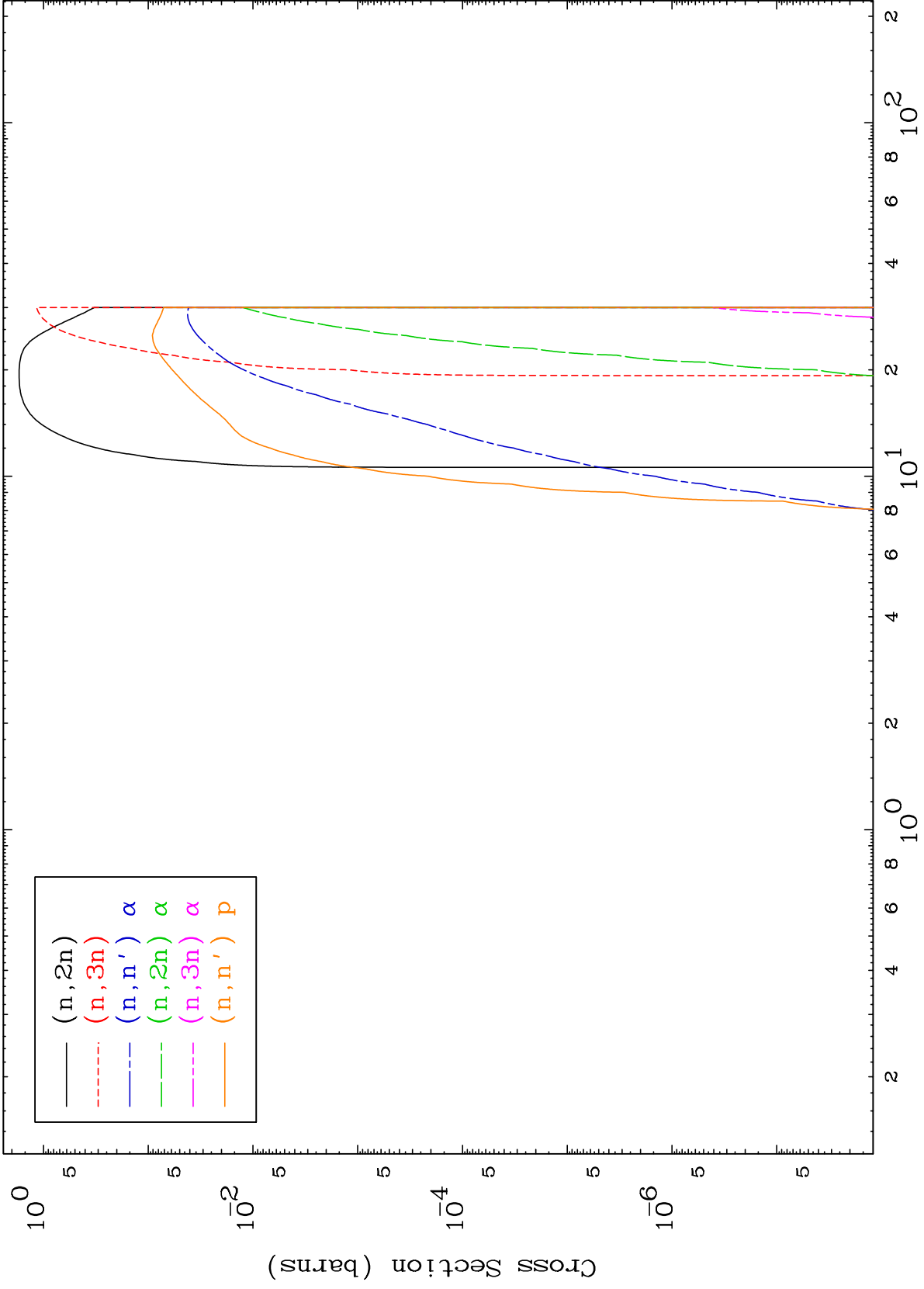
Incident Energy (MeV)

62-Sm-144

MAT 6225

Neutron Production
293 Kelvin Cross Sections

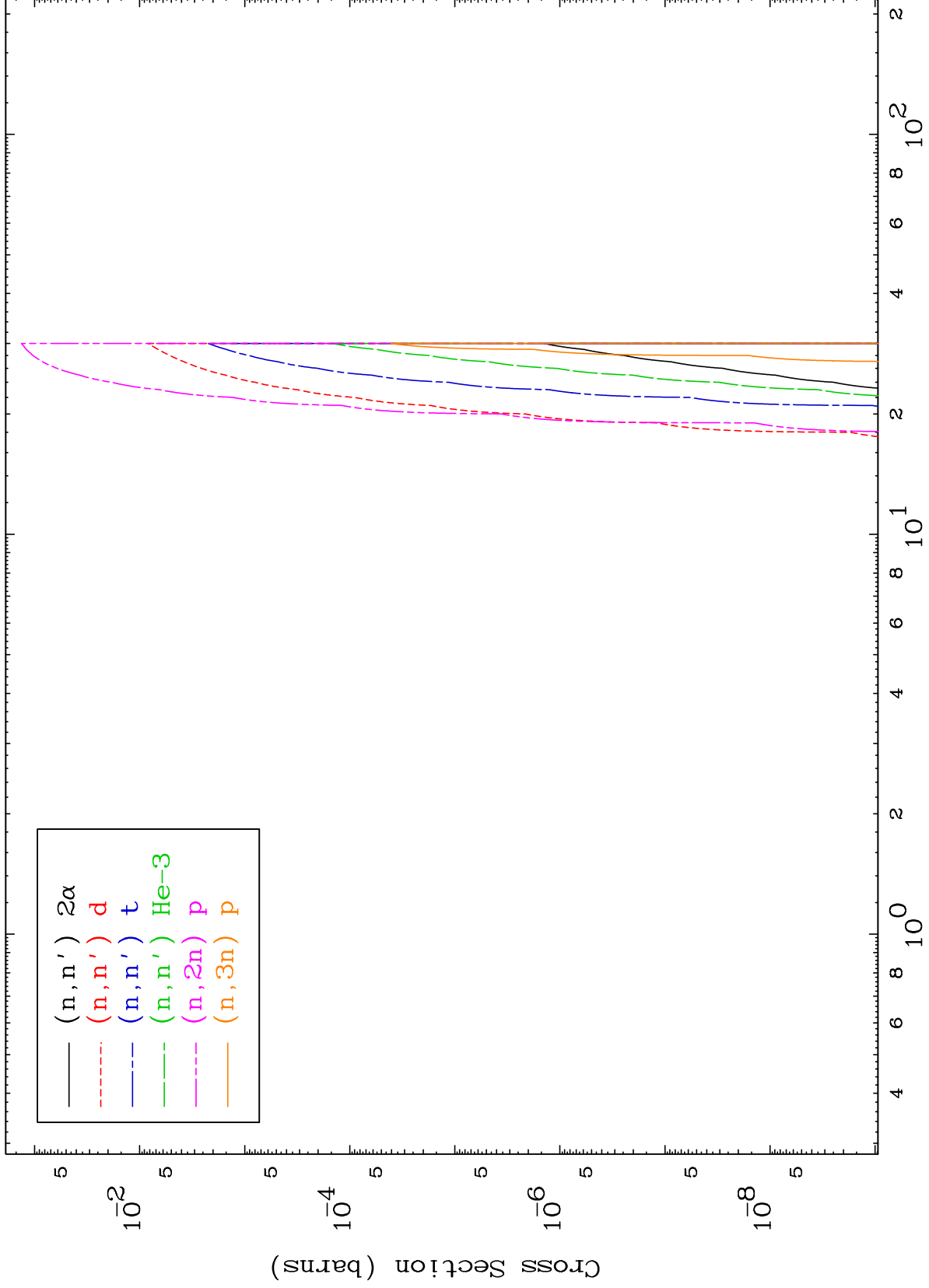
62-Sm-144



MAT 6225

Neutron Production
293 Kelvin Cross Sections

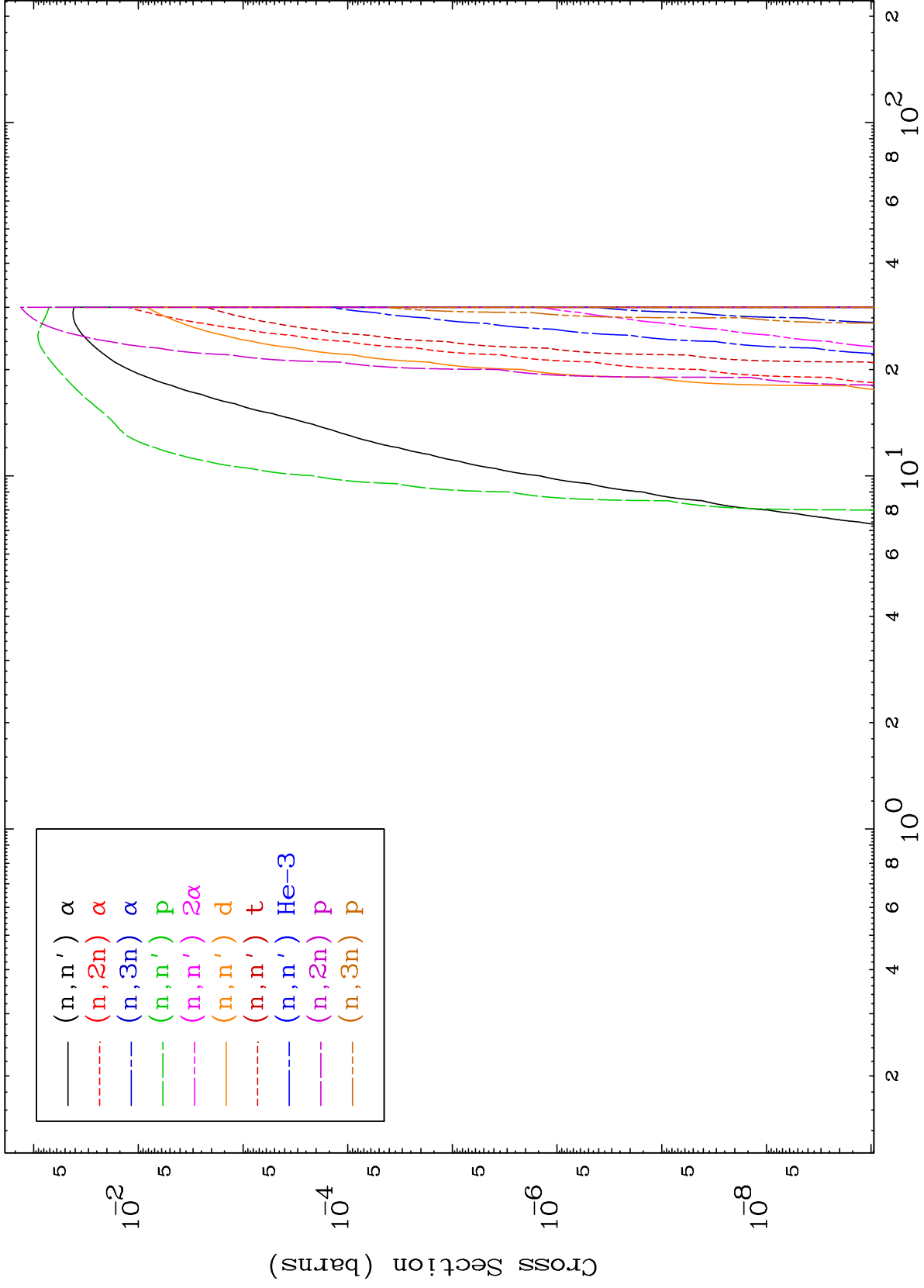
62-Sm-144



MAT 6225

293 Kelvin Cross Sections
Charged Particle

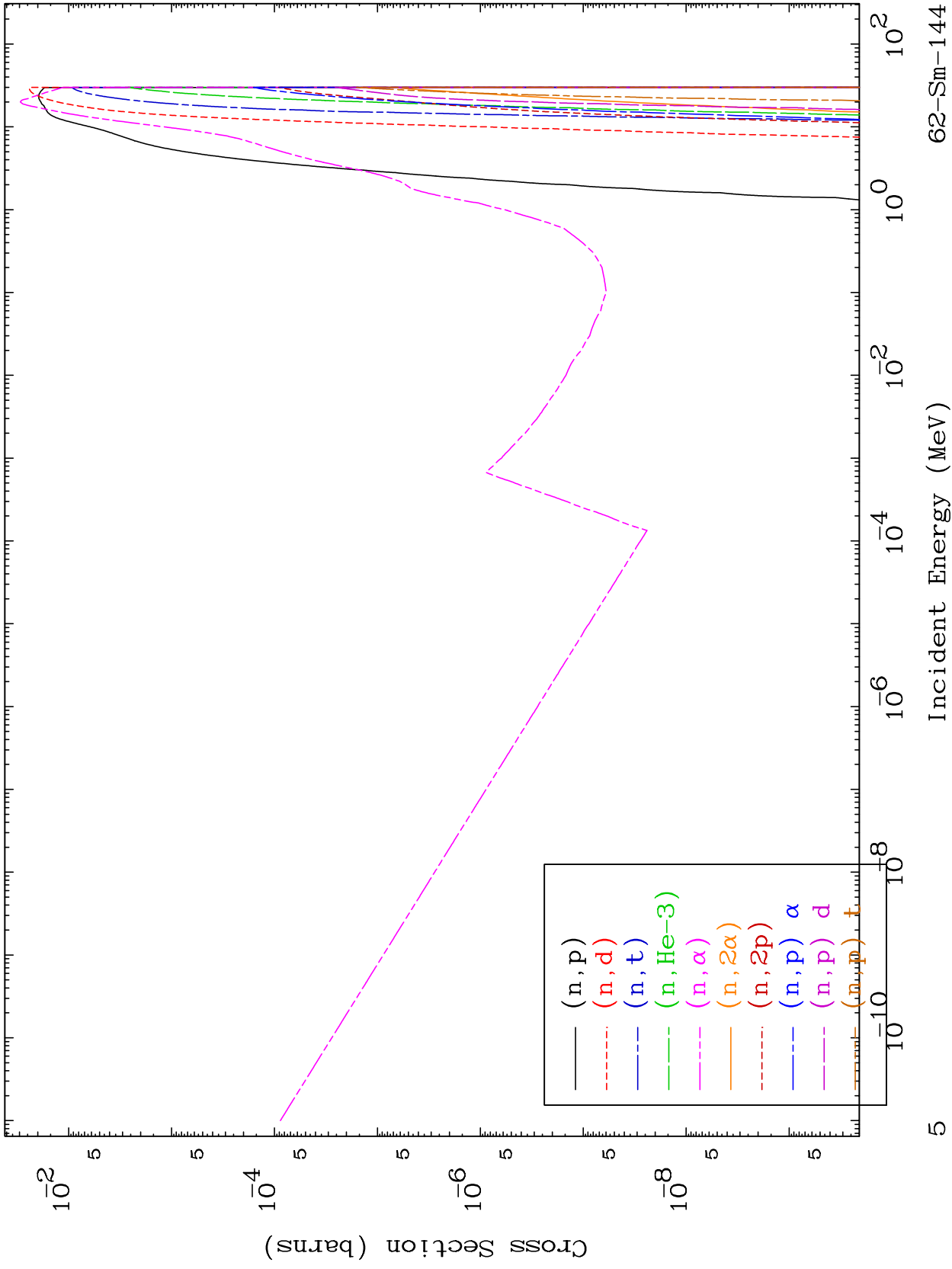
62-Sm-144



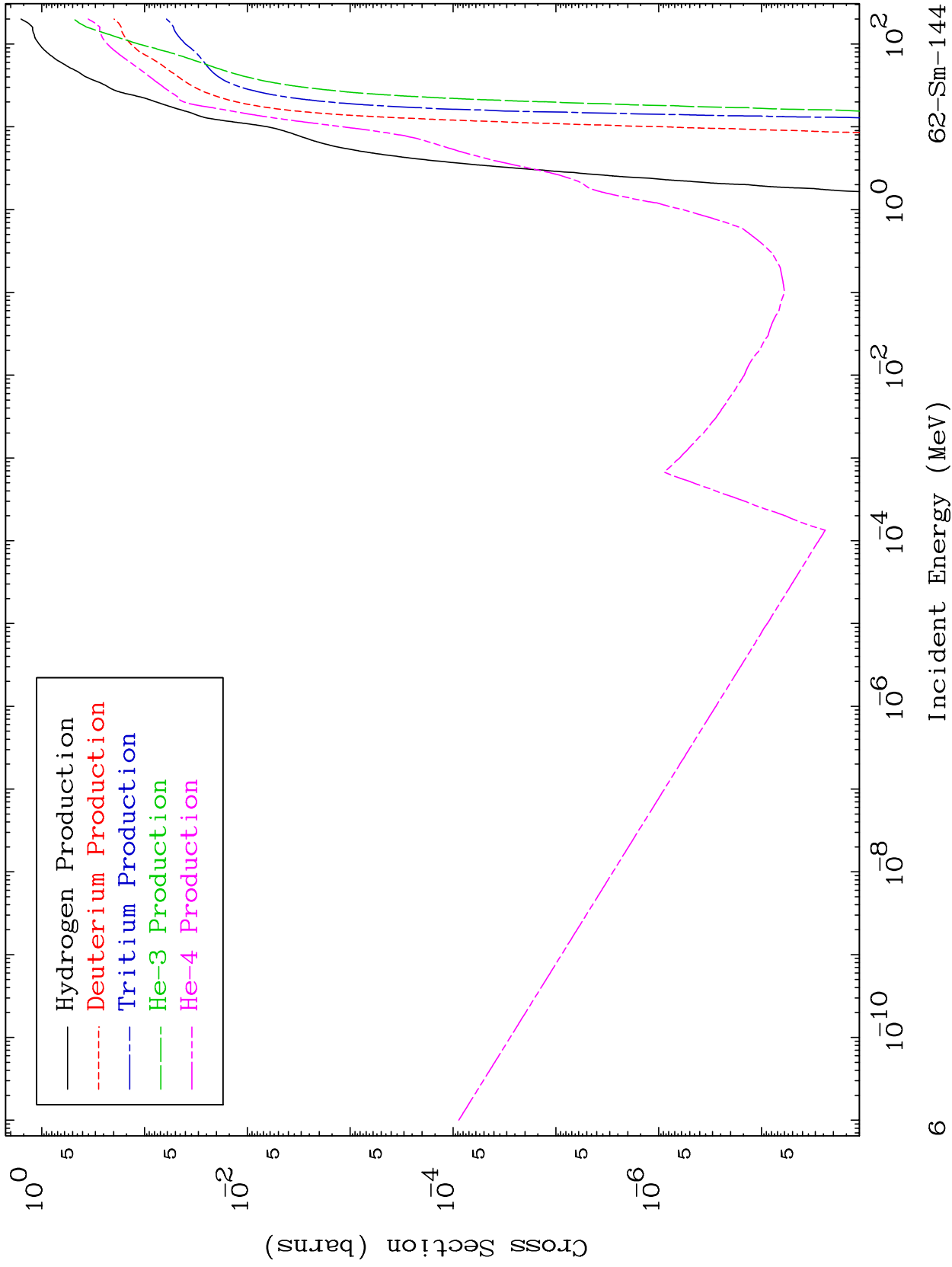
MAT 6225

Charged Particle
293 Kelvin Cross Sections

62-Sm-144



5

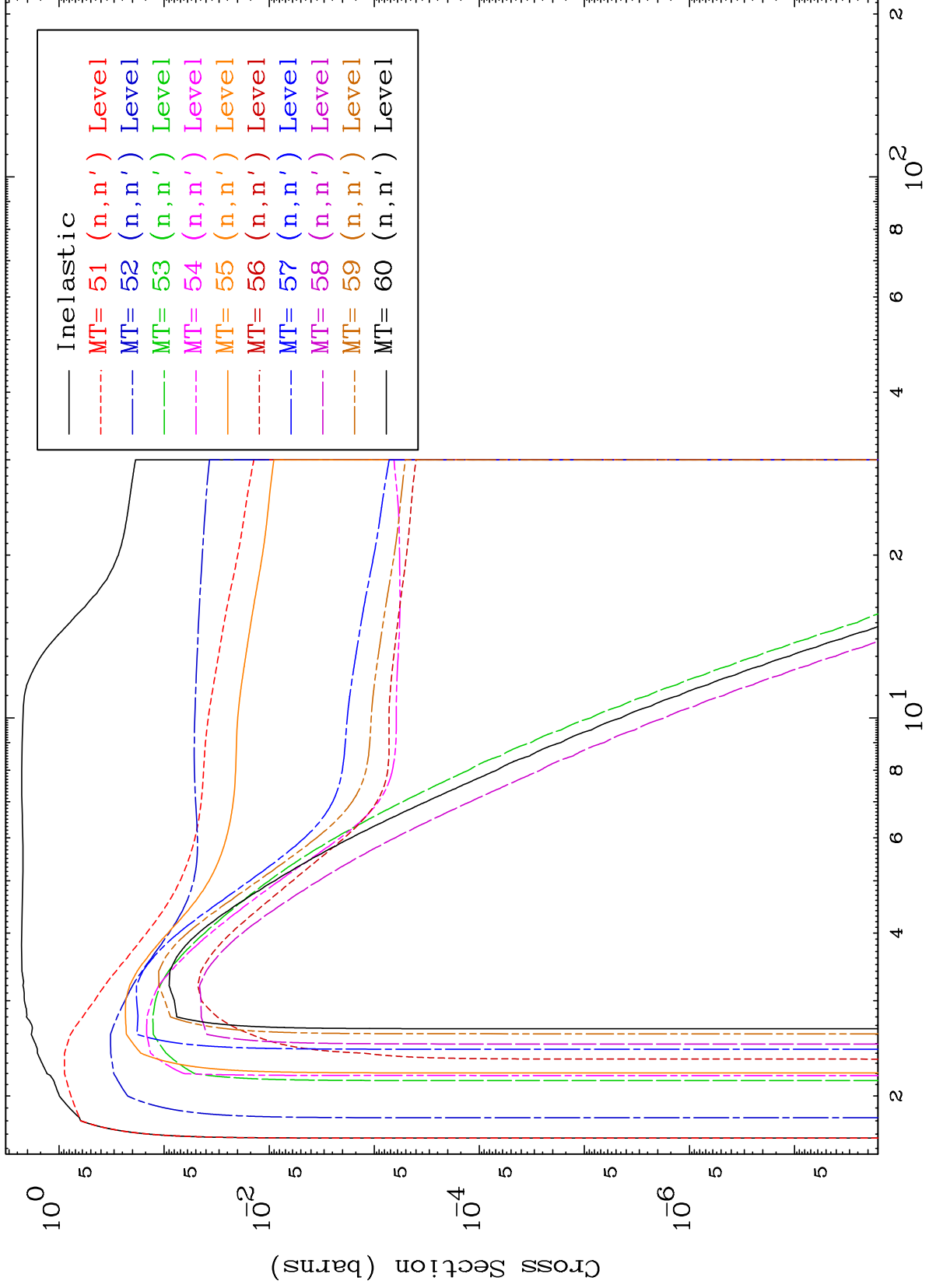


MAT 6225

(n,n') Level

62-Sm-144

293 Kelvin Cross Sections



7

Incident Energy (MeV)

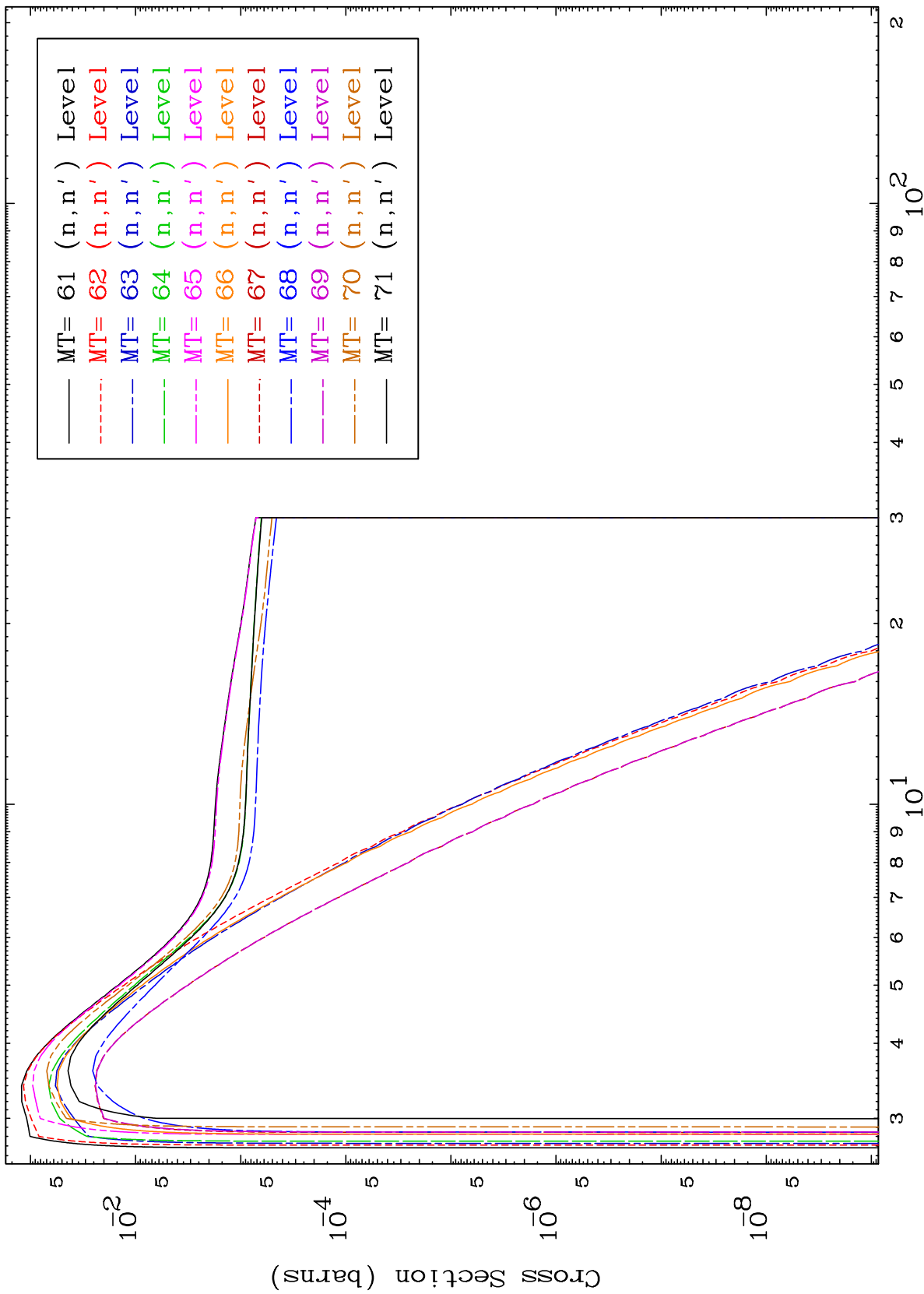
62-Sm-144

MAT 6225

(n,n') Level

62-Sm-144

293 Kelvin Cross Sections

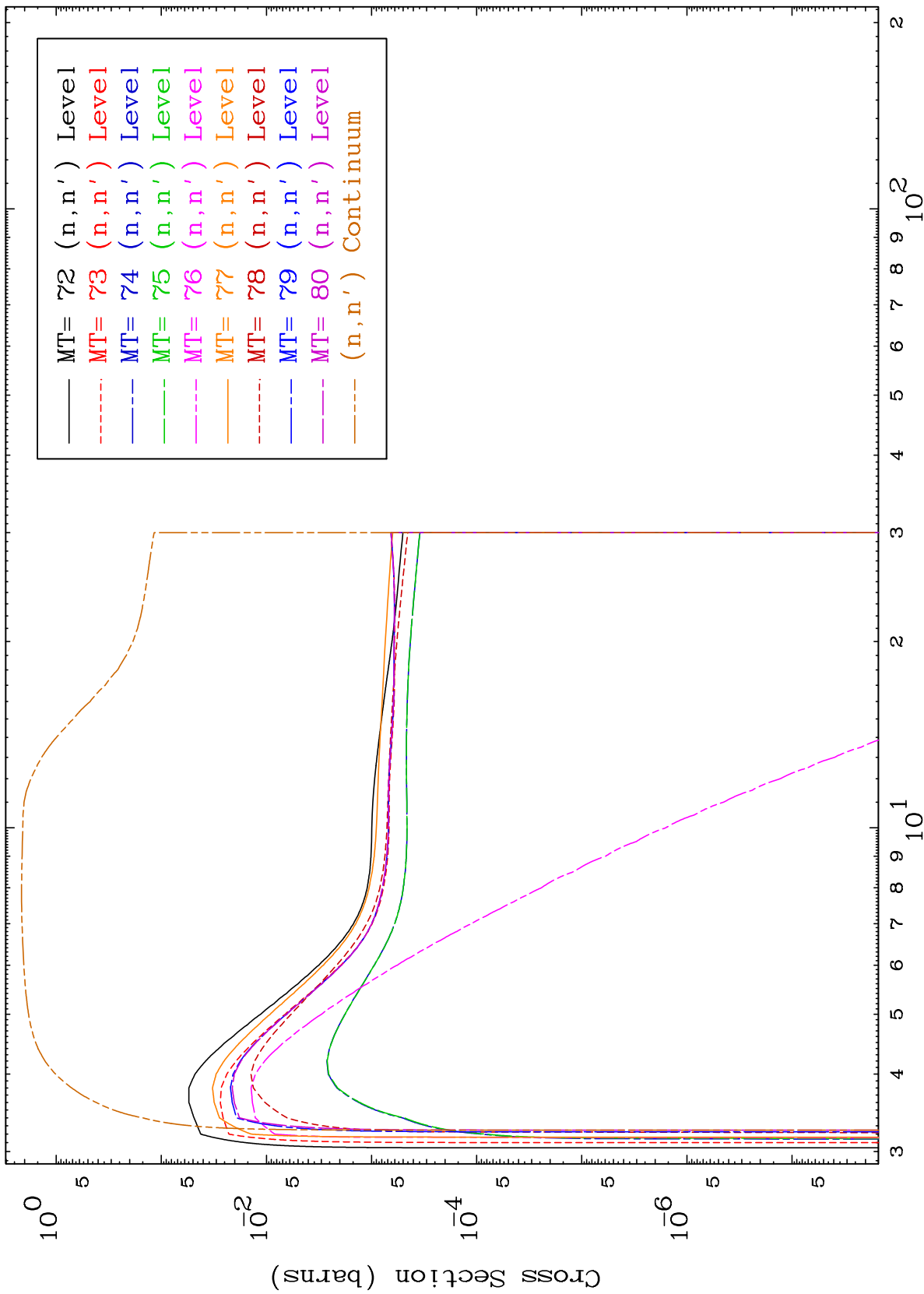


8

Incident Energy (MeV)

62-Sm-144

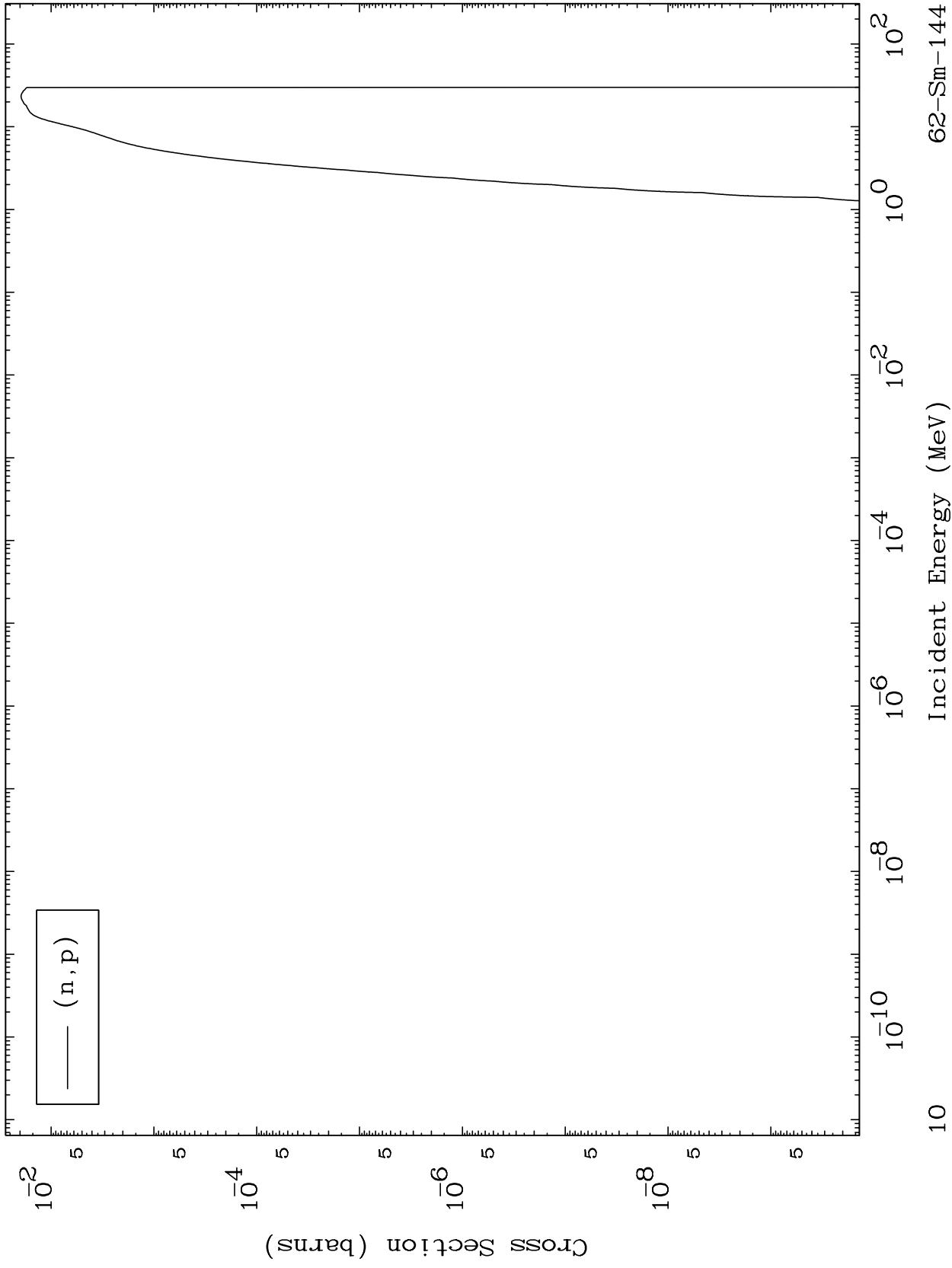
293 Kelvin Cross Sections



MAT 6225

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-144



10

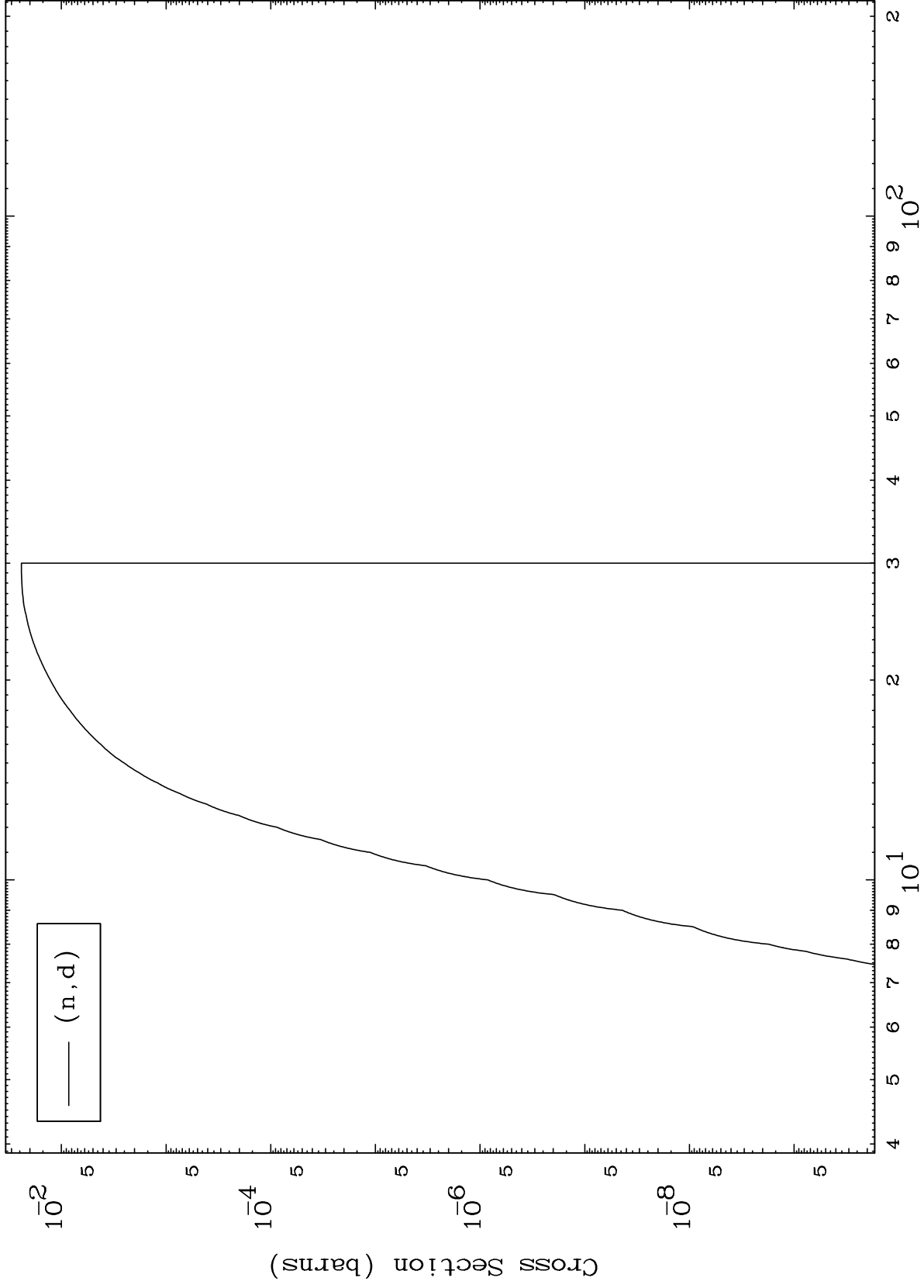
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-144



11

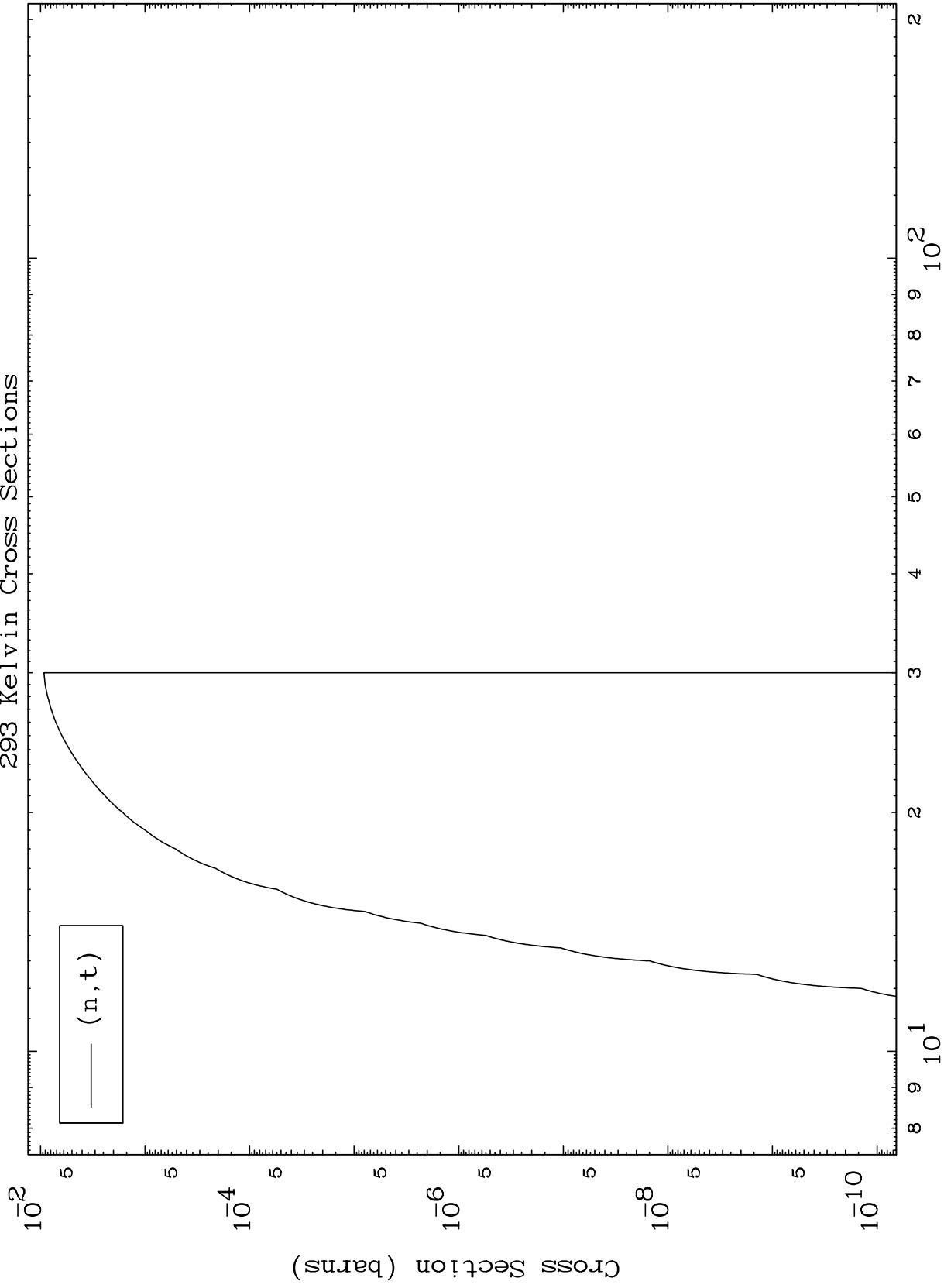
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-144



12

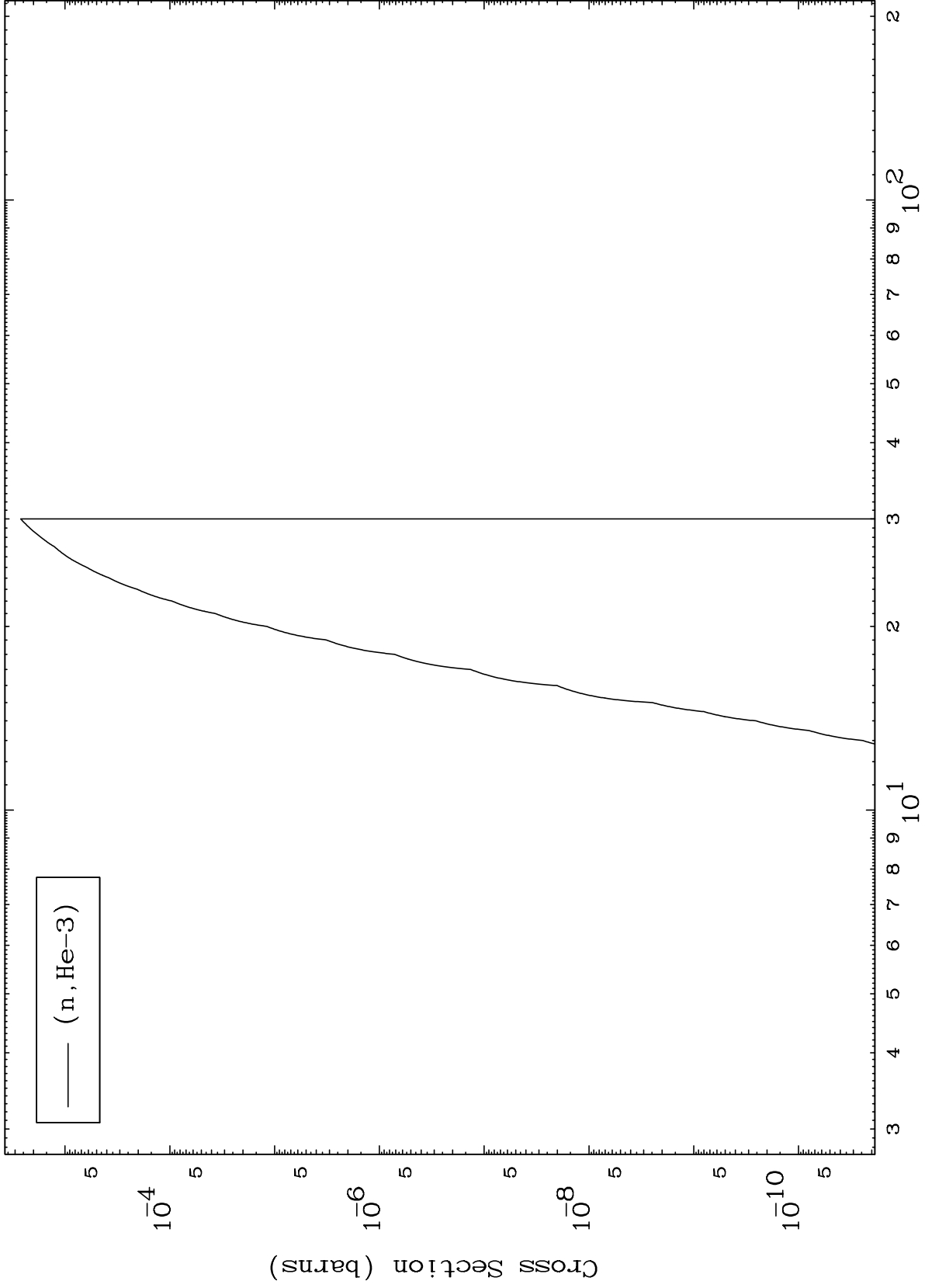
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-144



13

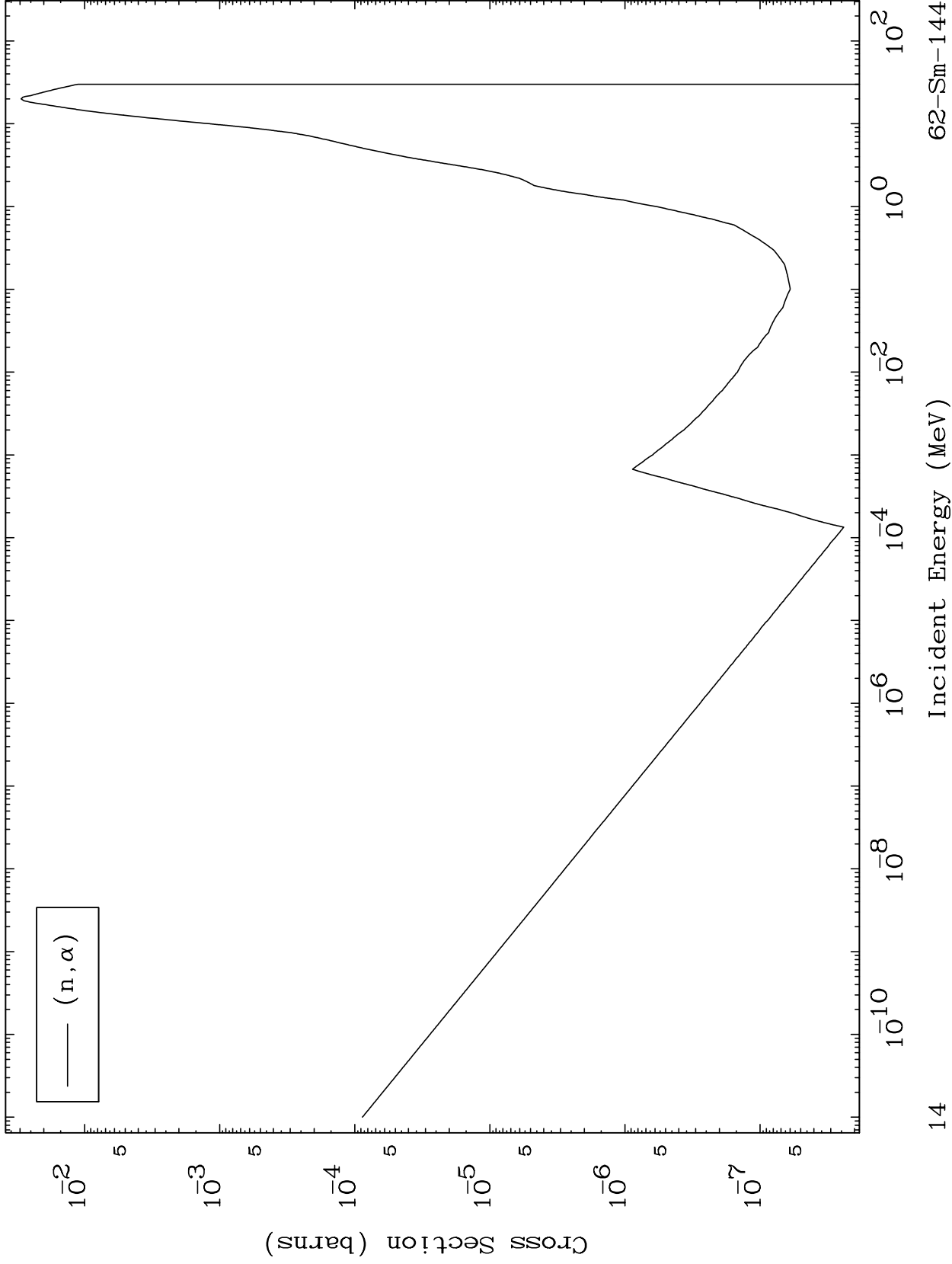
Incident Energy (MeV)

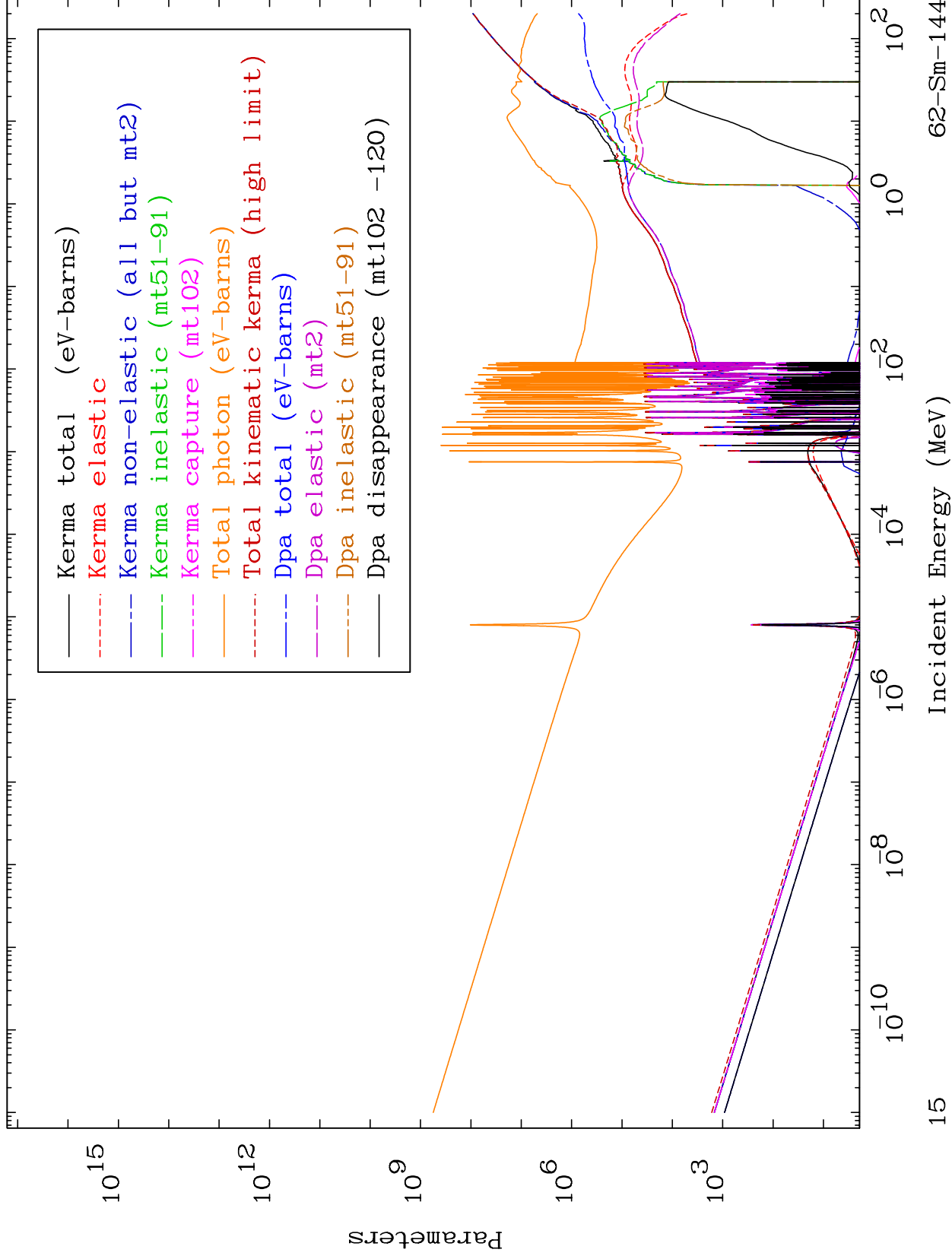
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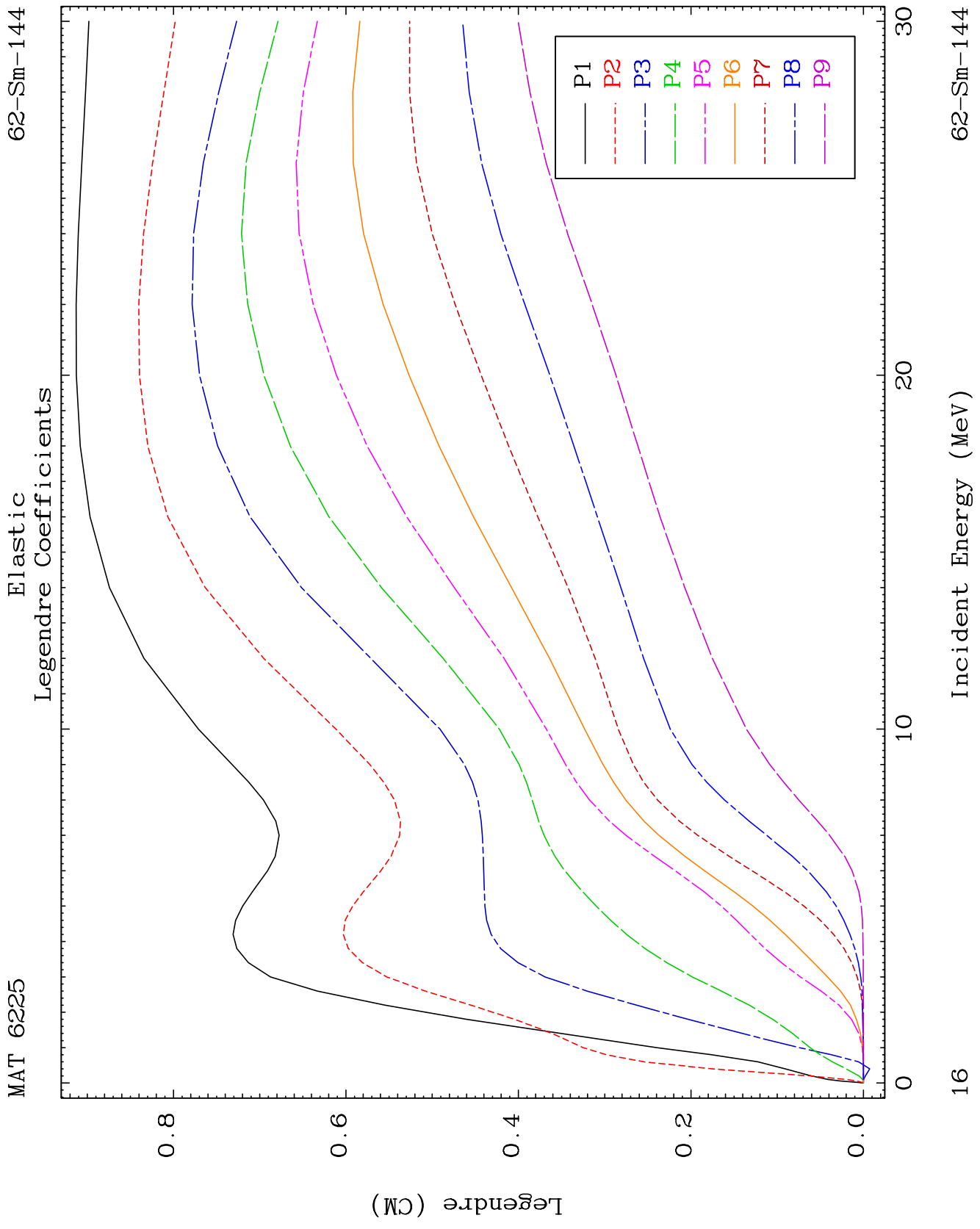
MAT 6225

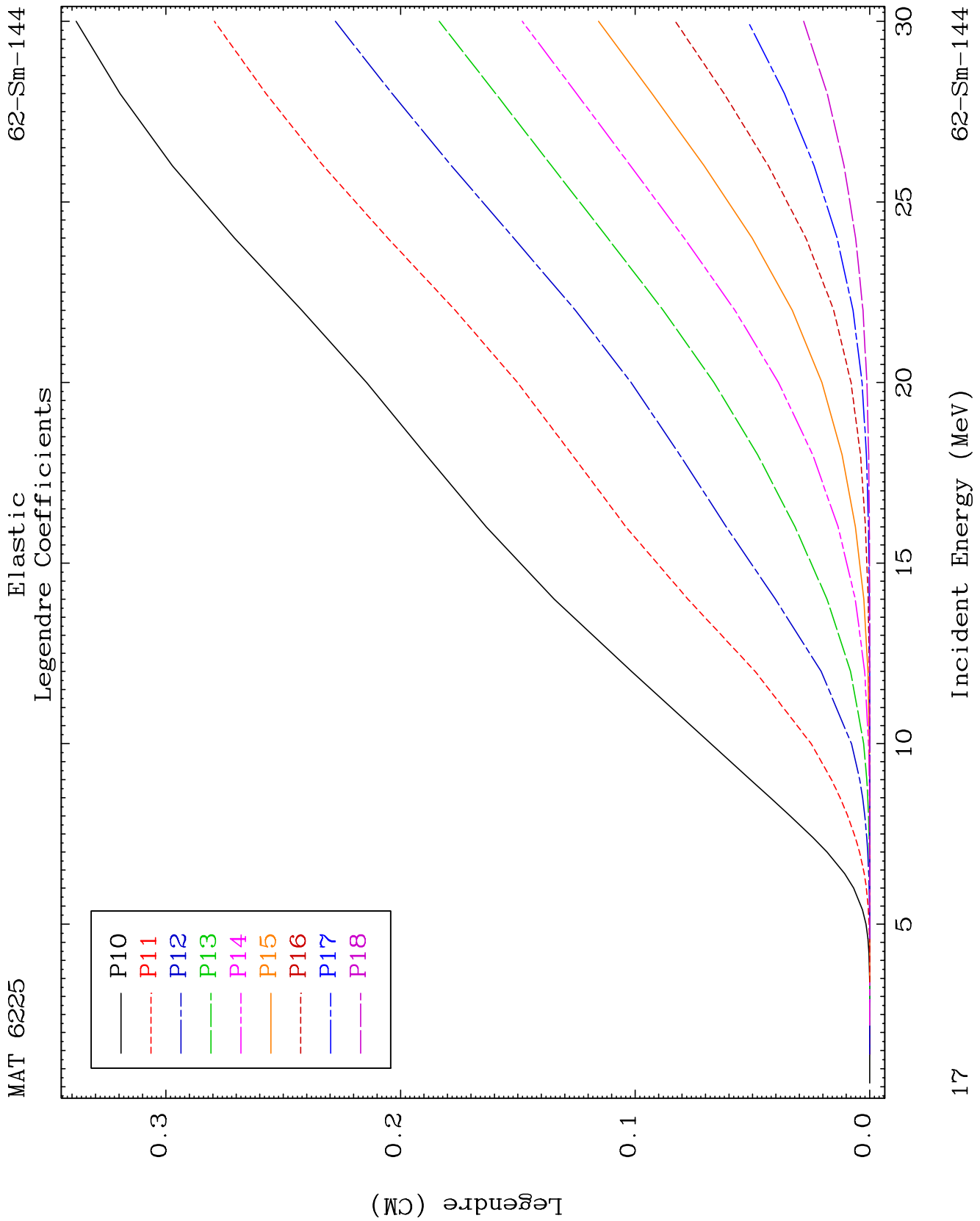
(n, α) Levels
293 Kelvin Cross Sections

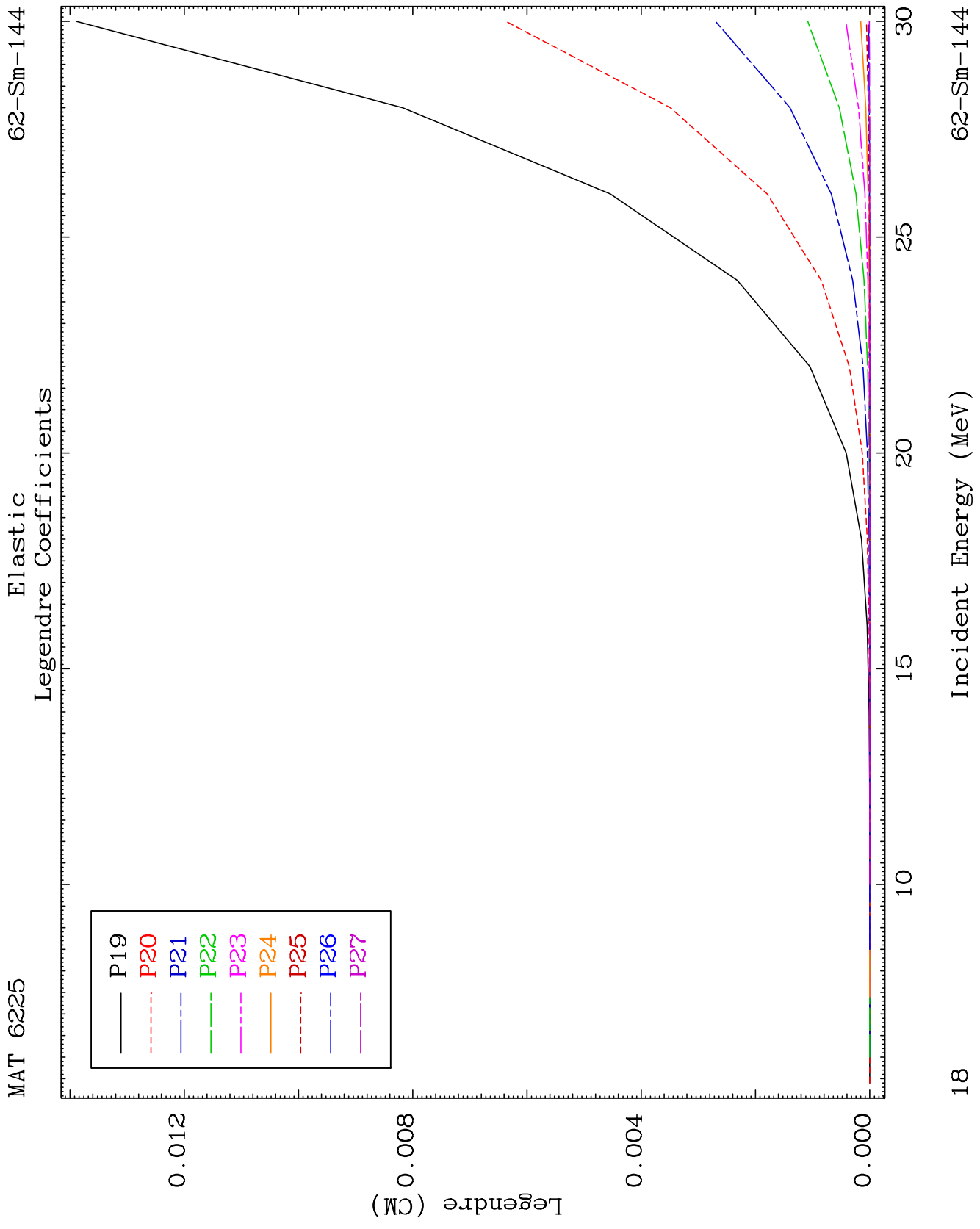
62-Sm-144

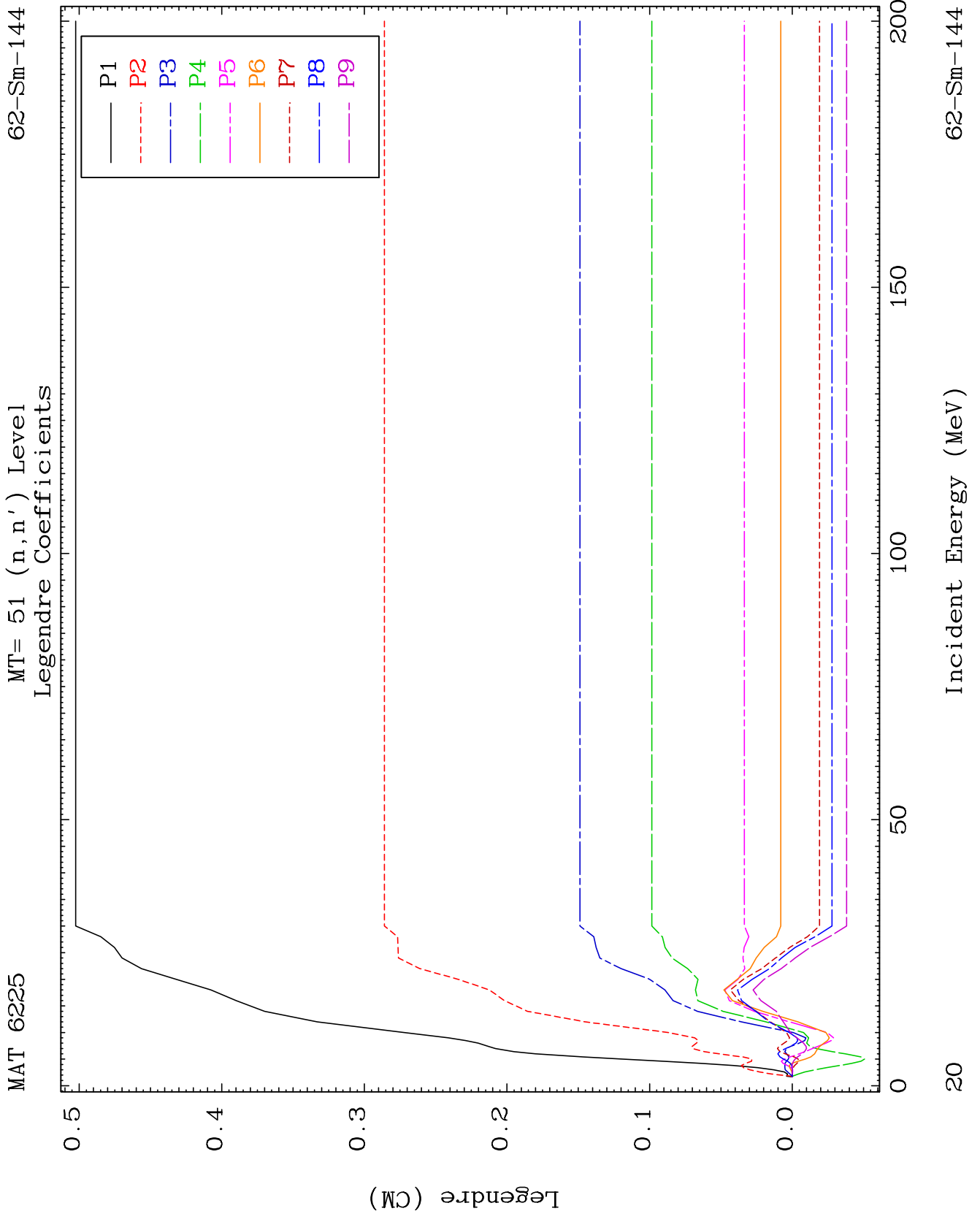








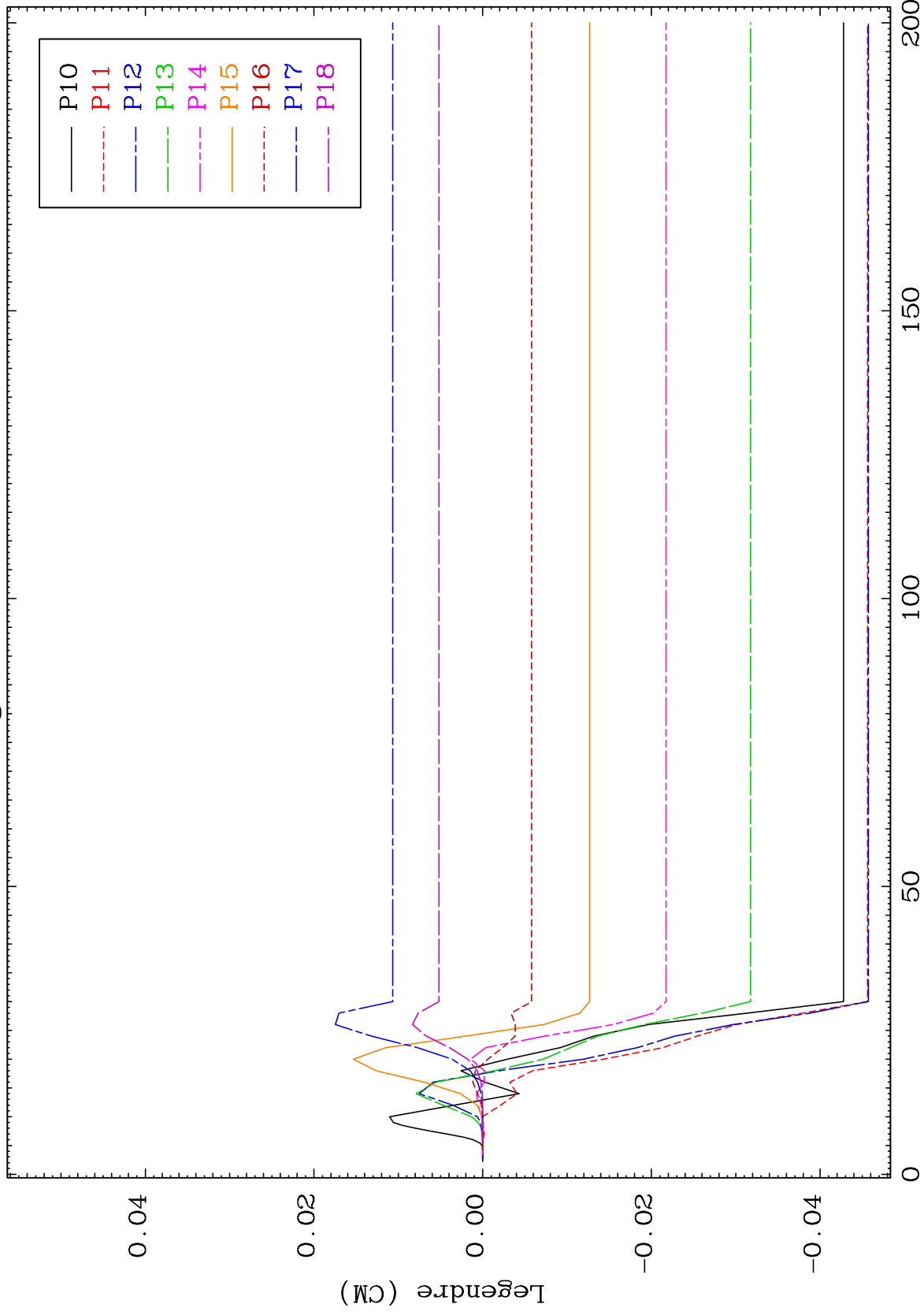




MAT 6225

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

62-Sm-144



21

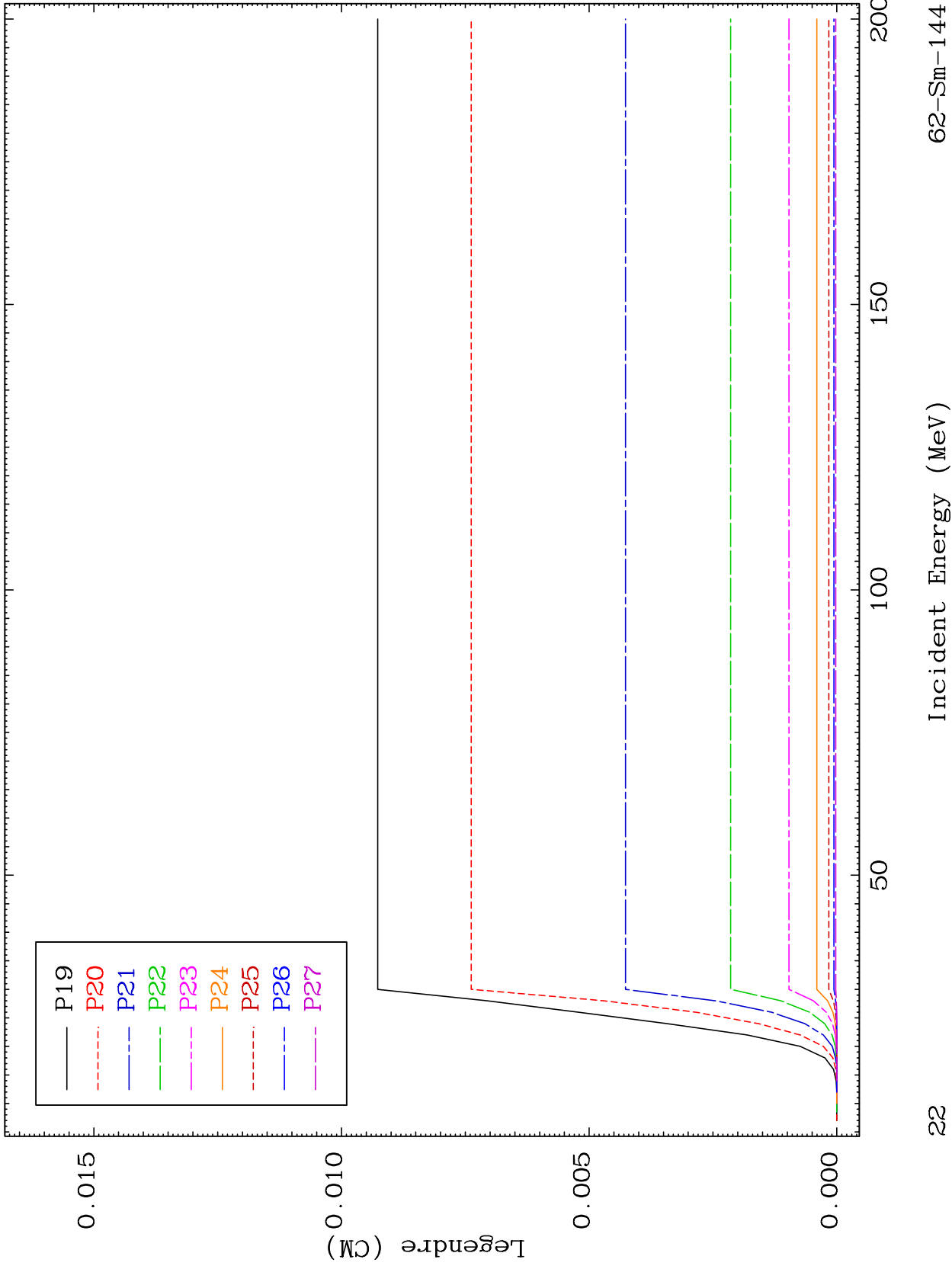
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



22

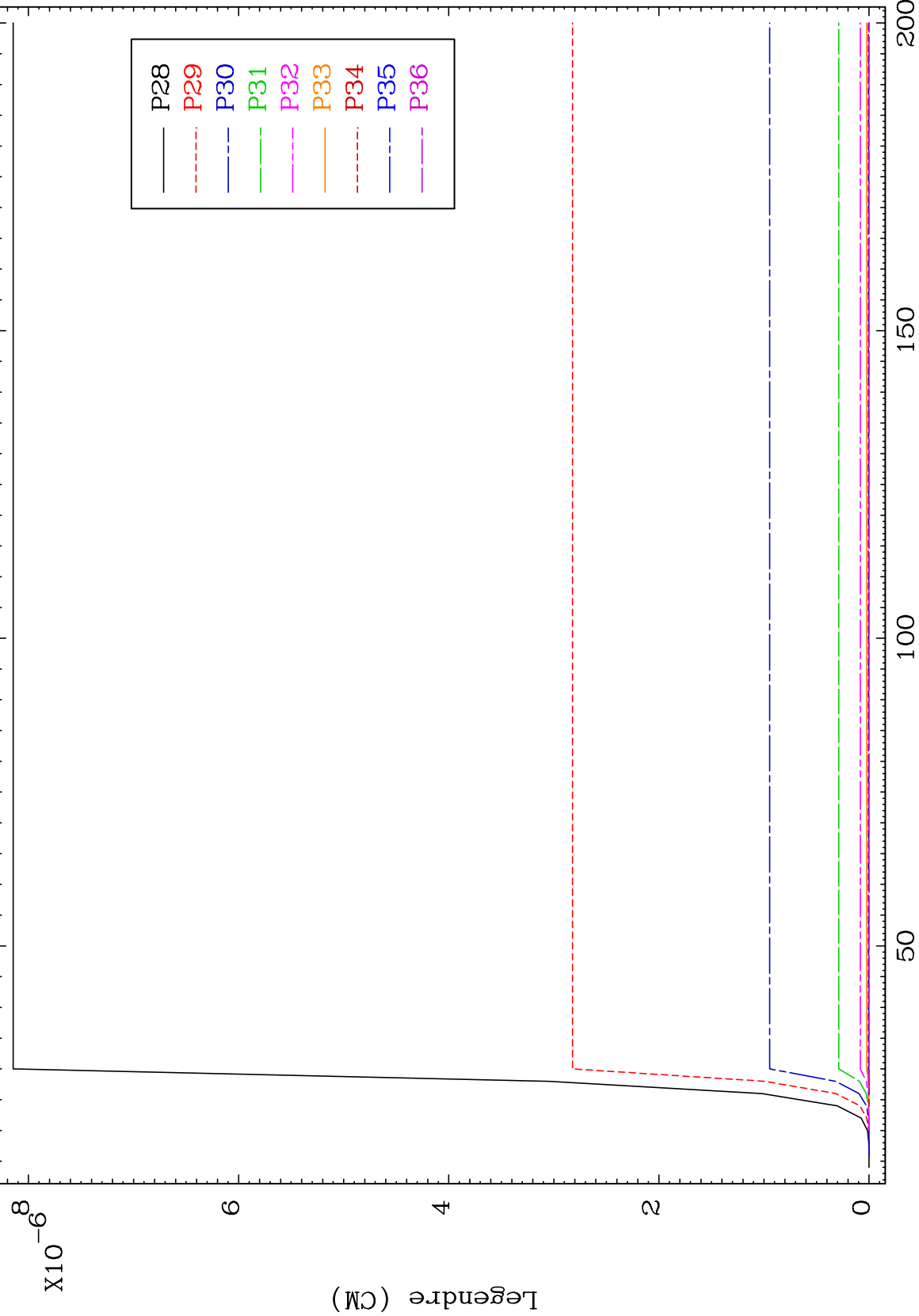
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



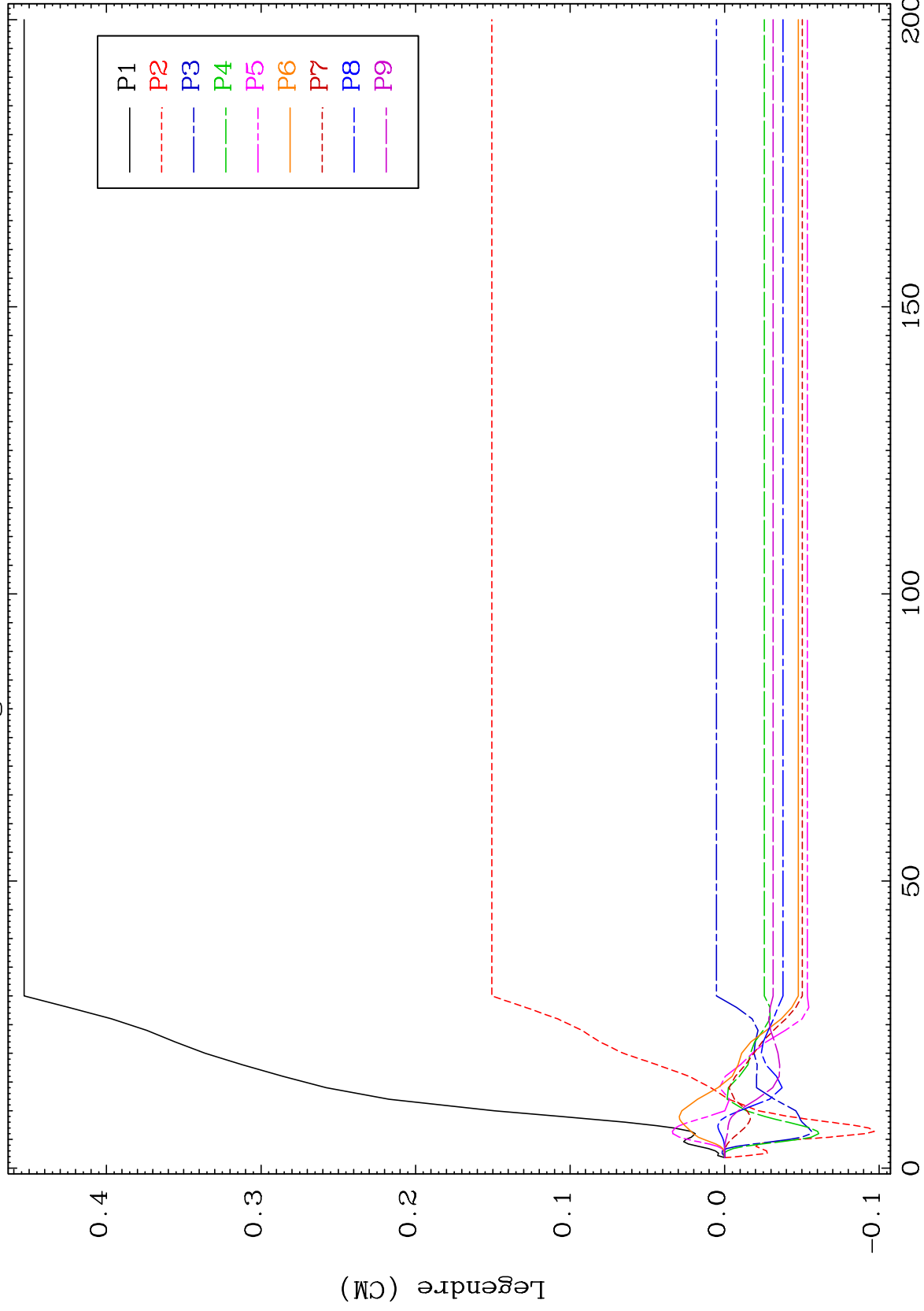
23

62-Sm-144

MAT 6225

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

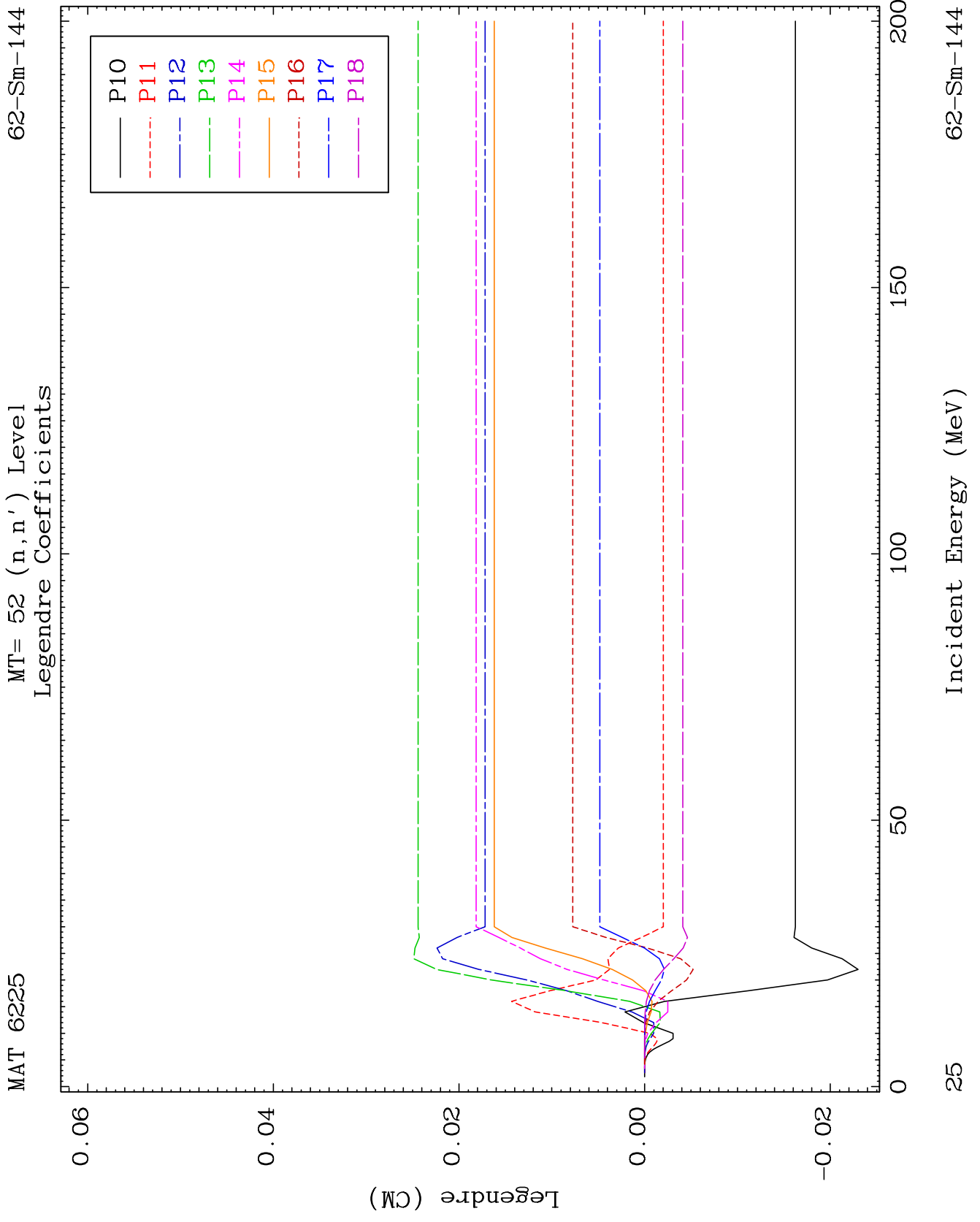
62-Sm-144



62-Sm-144

Incident Energy (MeV)

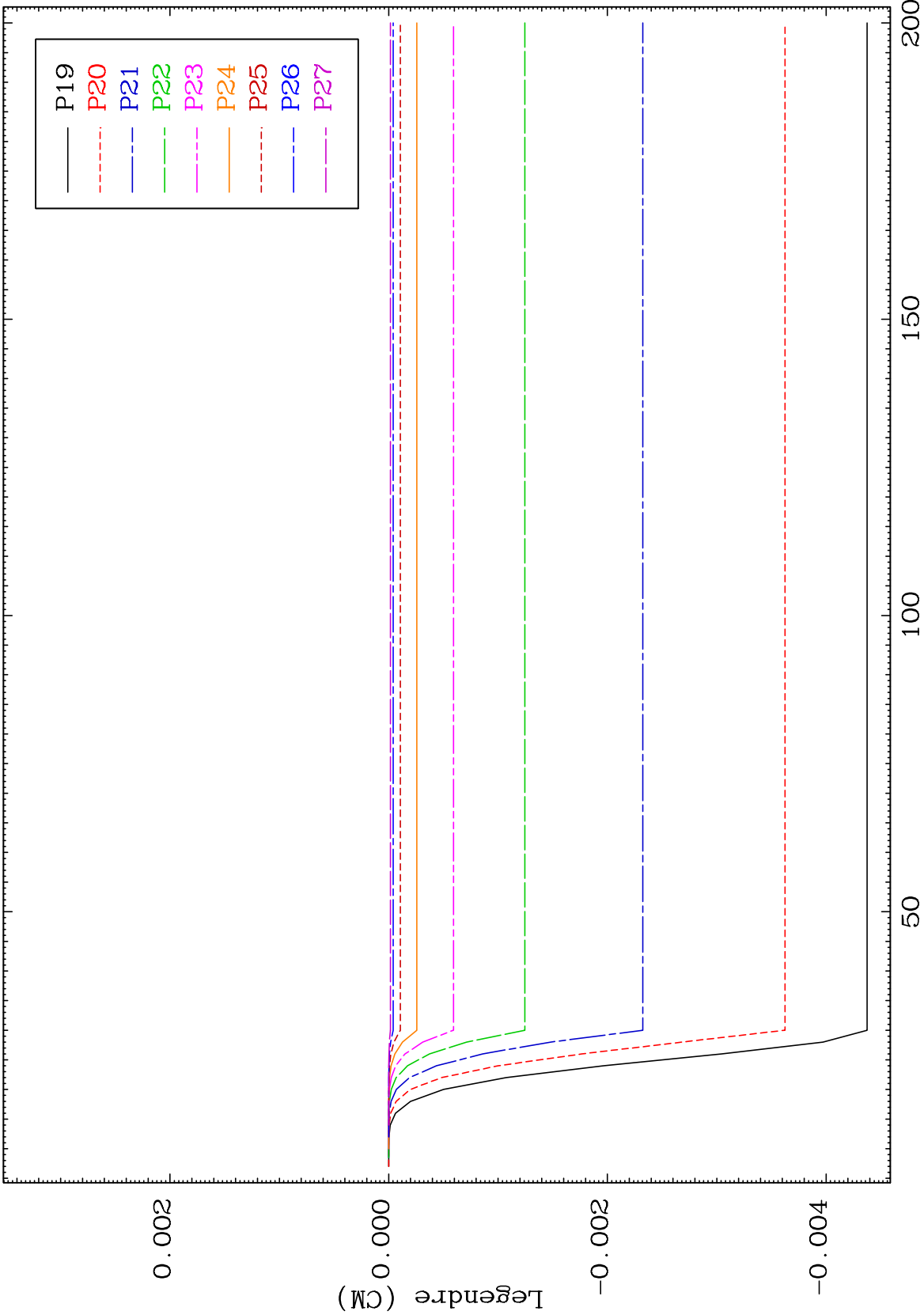
24



MAT 6225

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

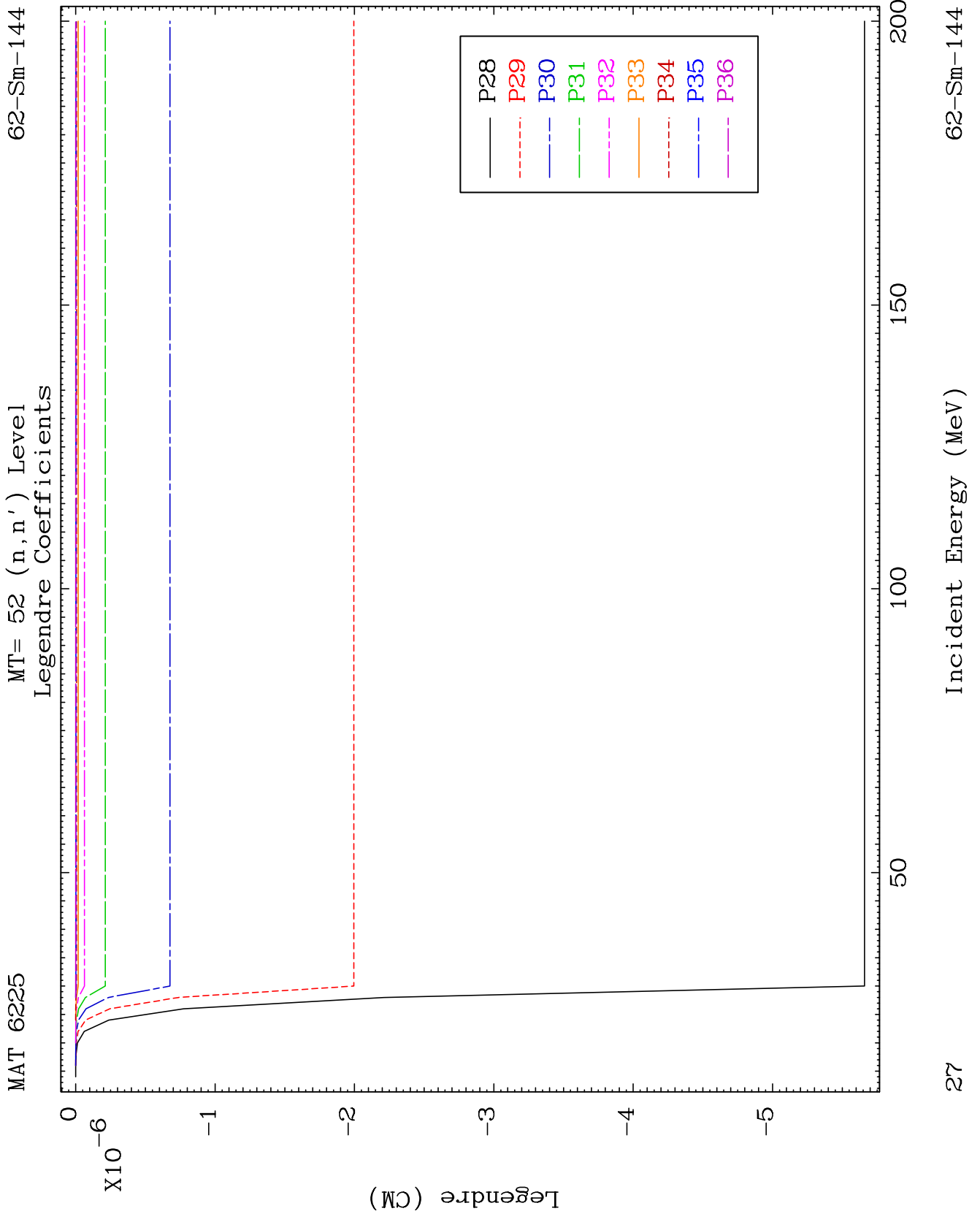
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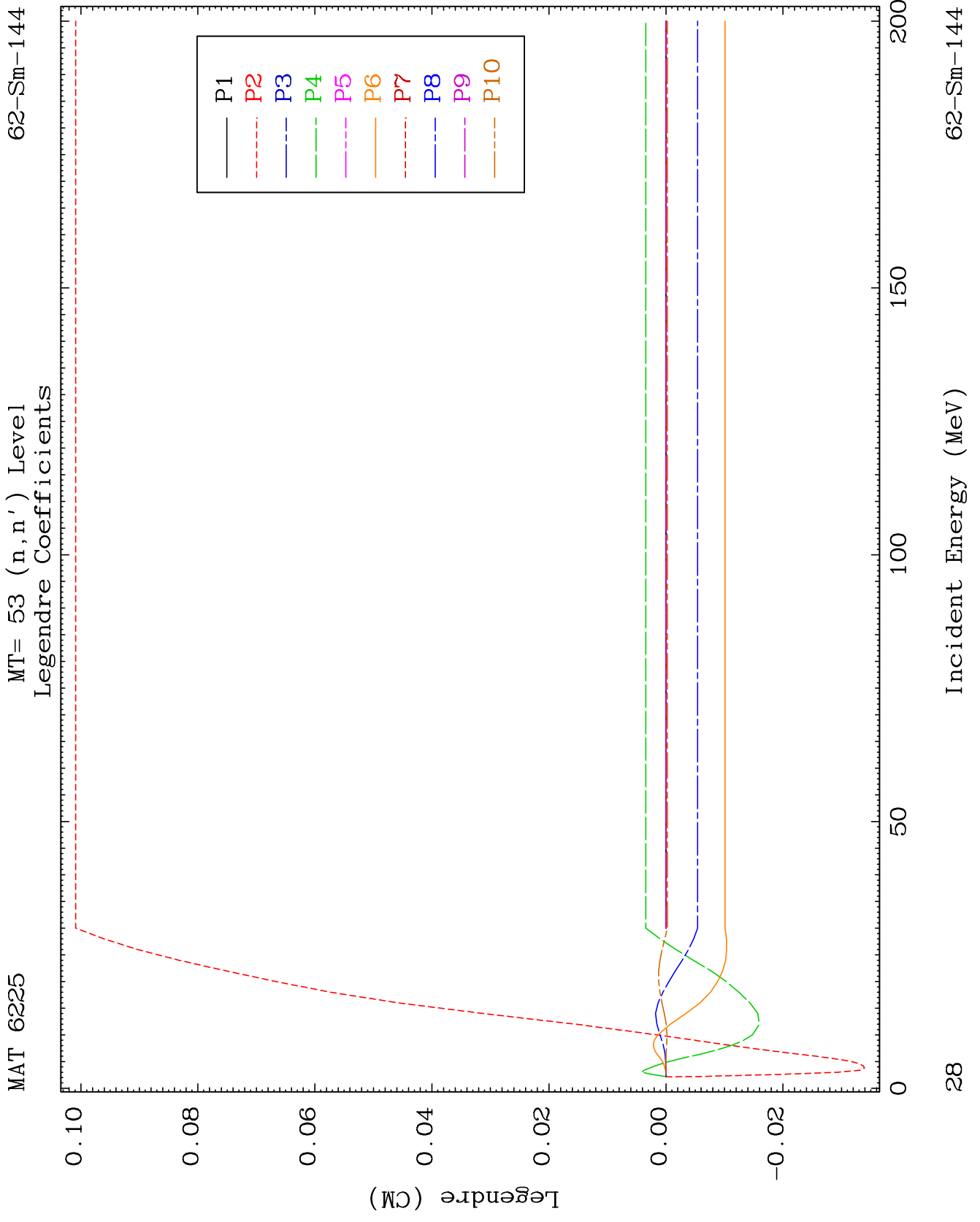


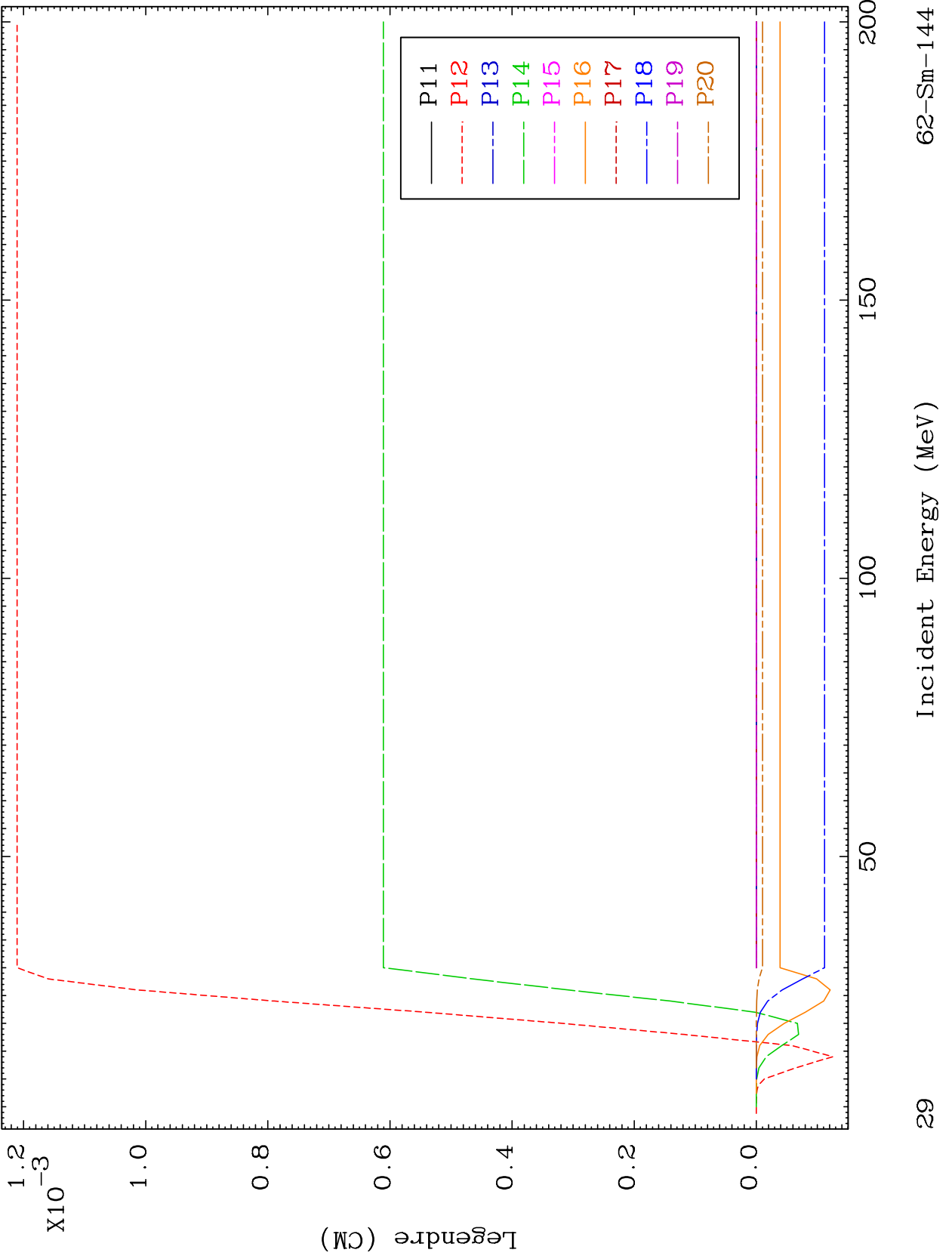
26

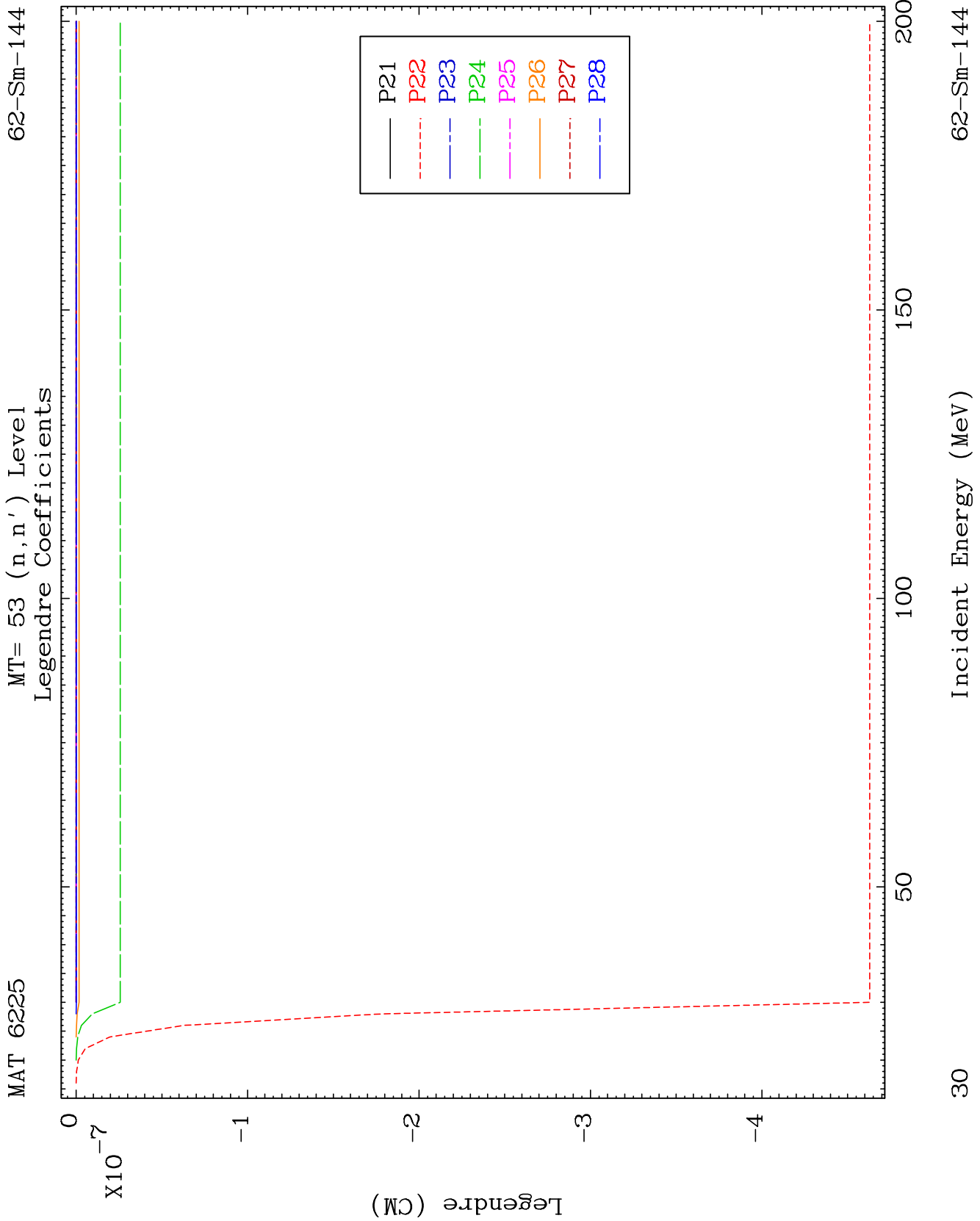
Incident Energy (MeV)

62-Sm-144





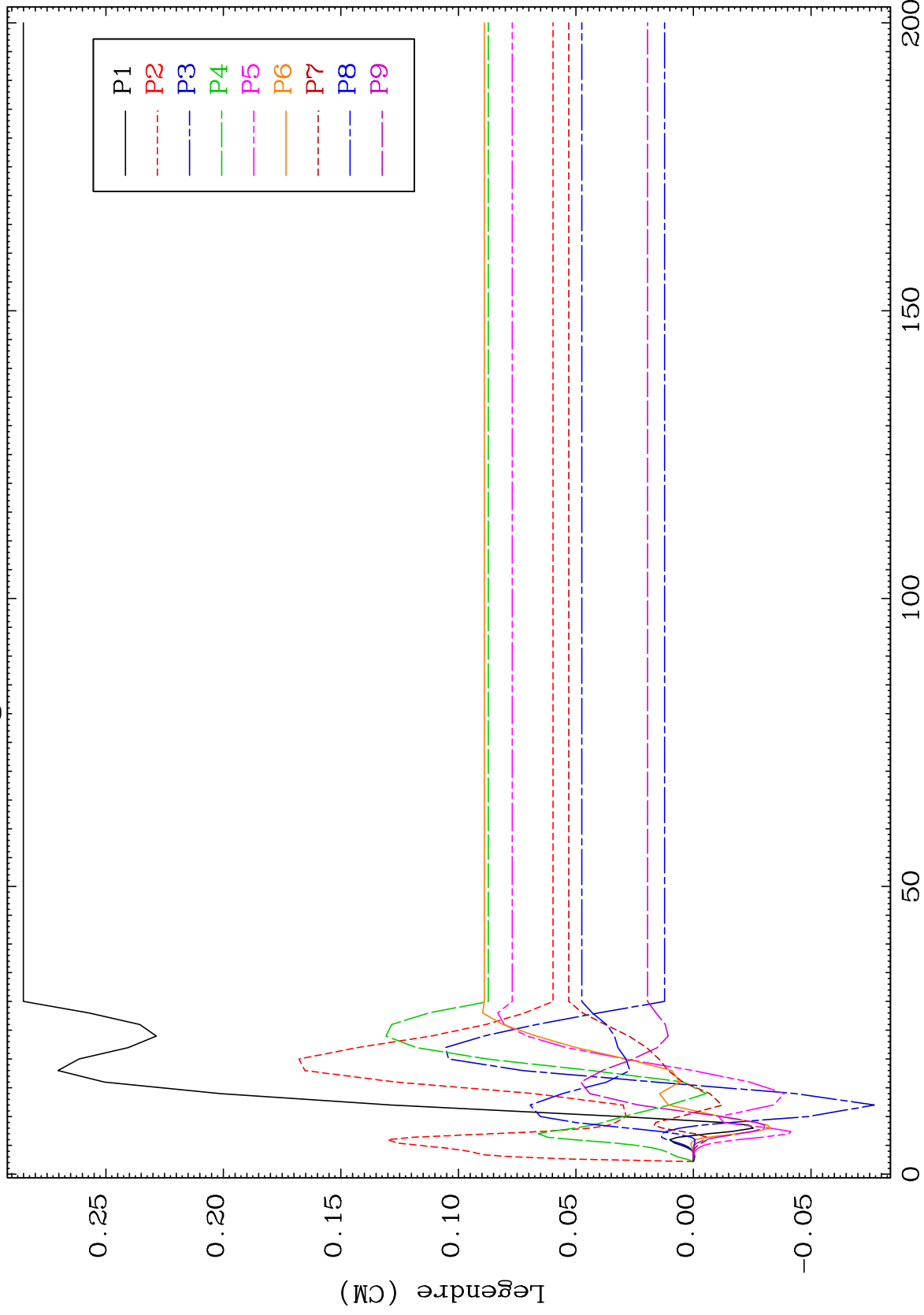




MAT 6225

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

62-Sm-144



31

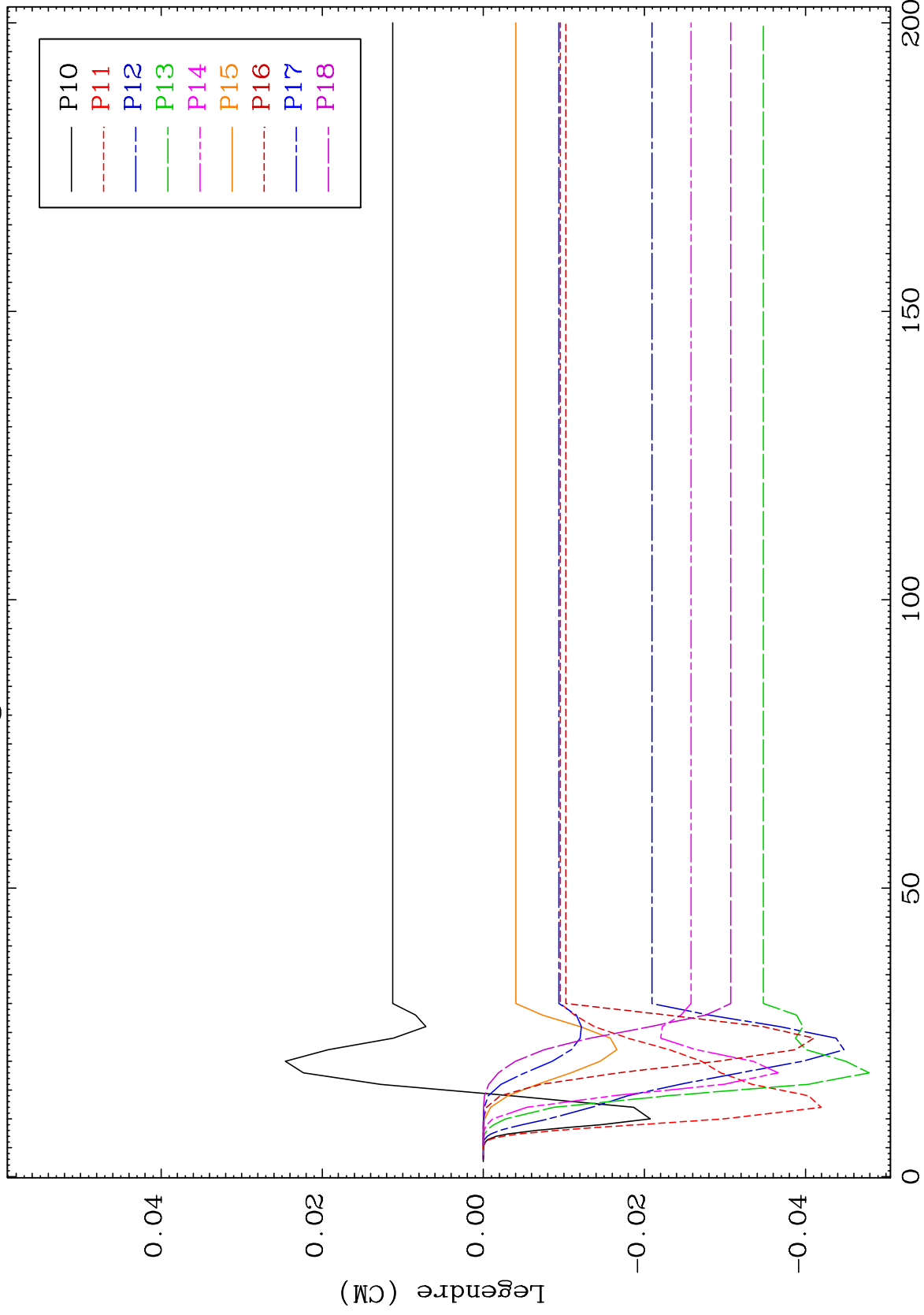
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

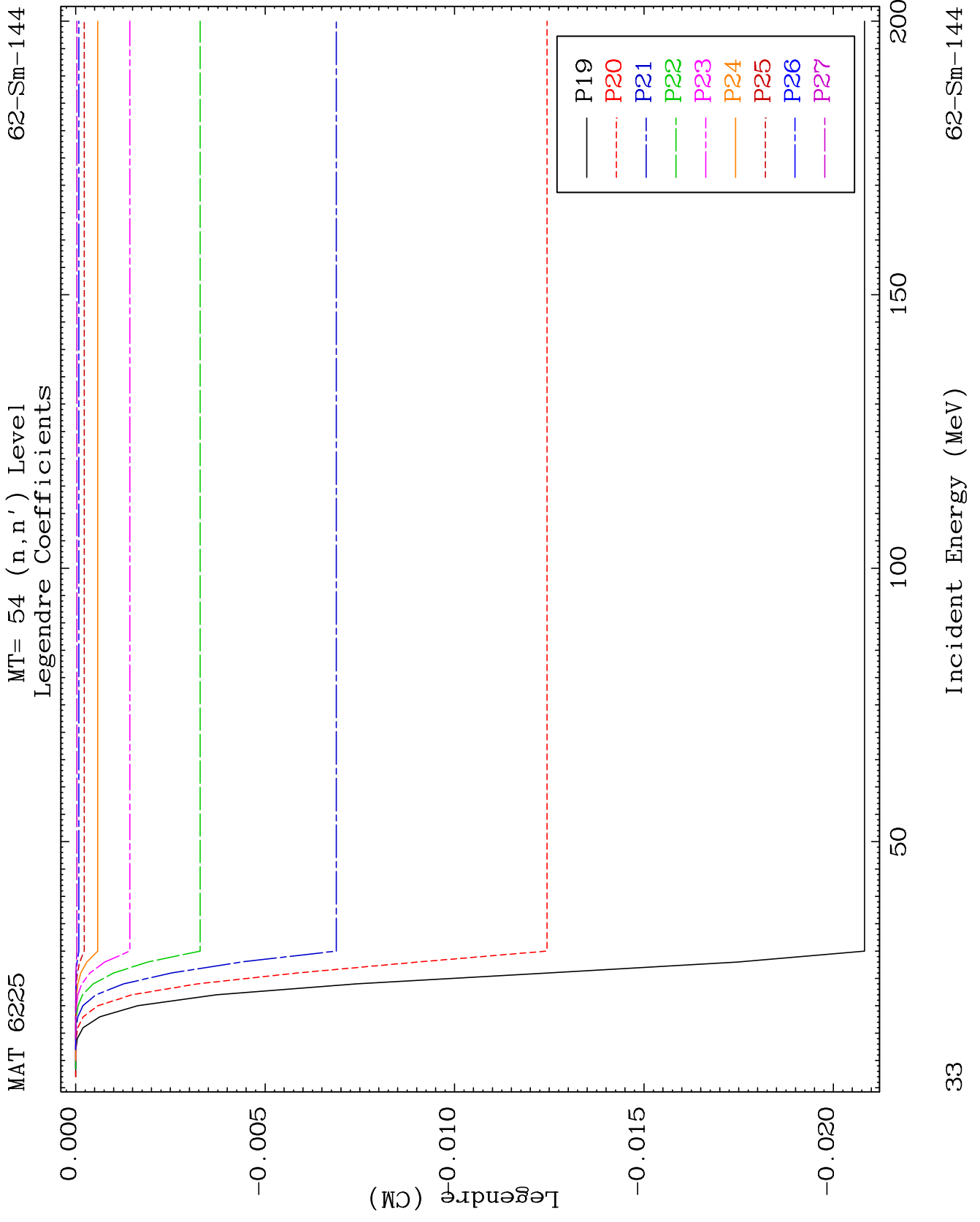
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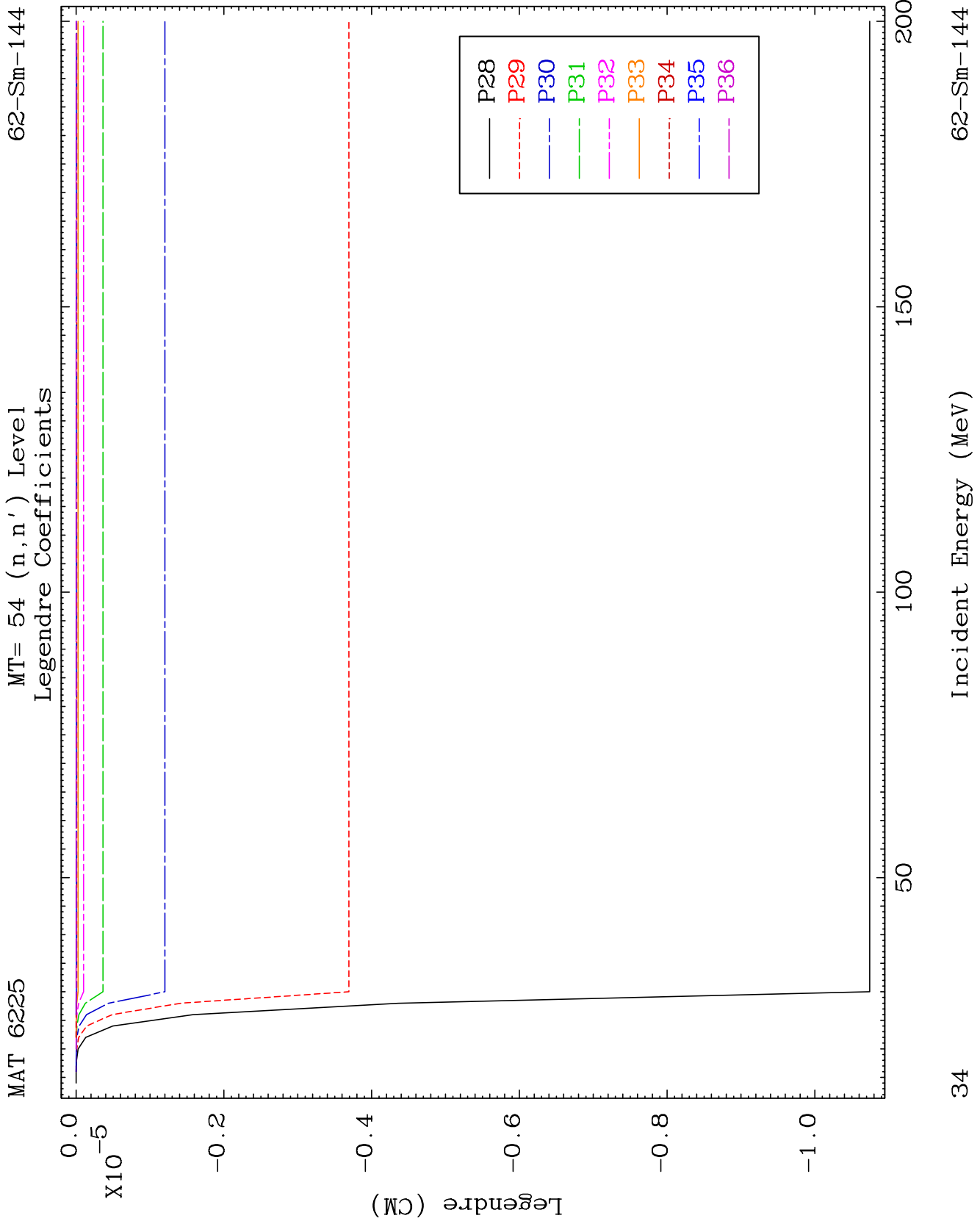


32

Incident Energy (MeV)

62-Sm-144

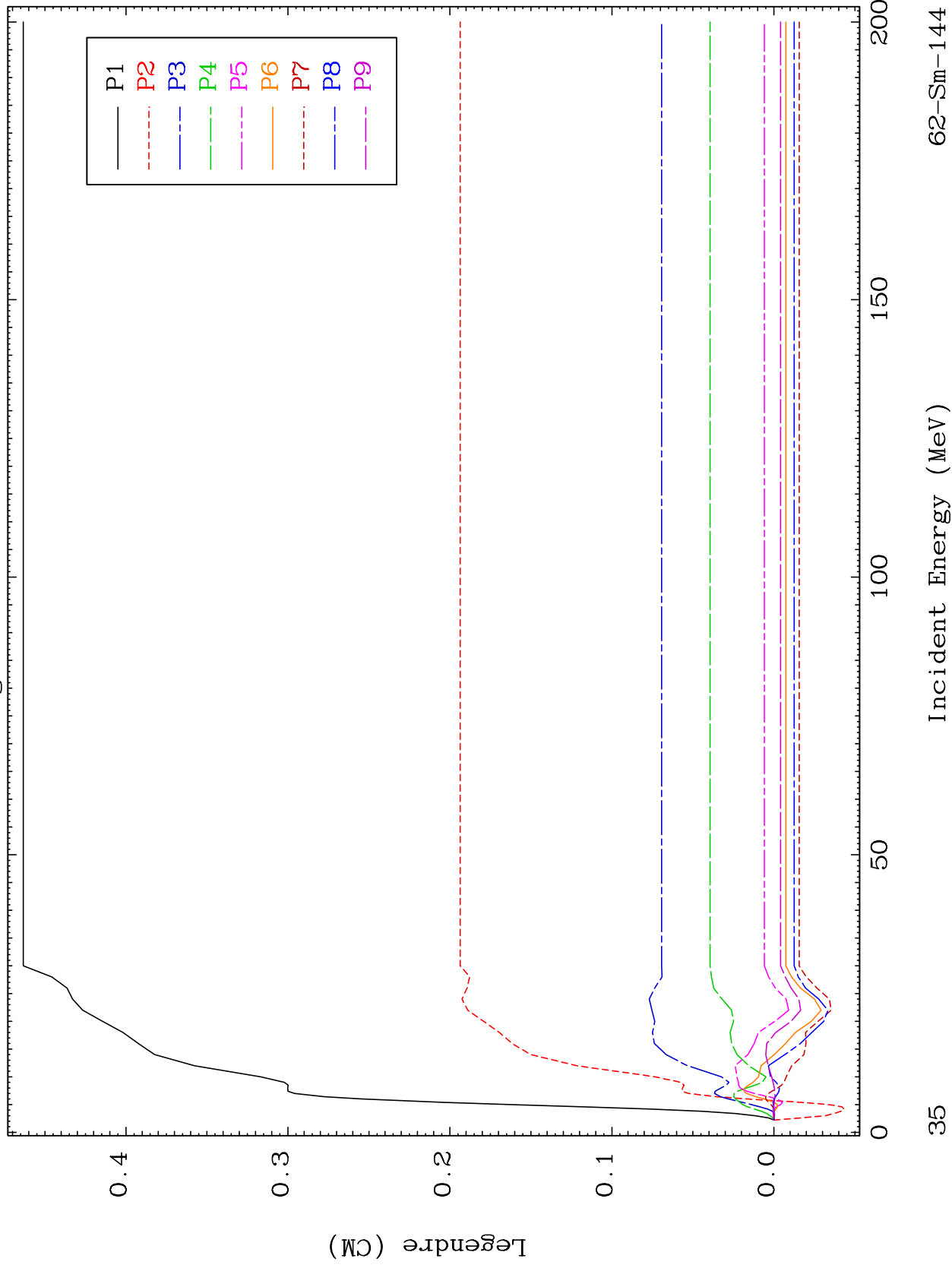




MAT 6225

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

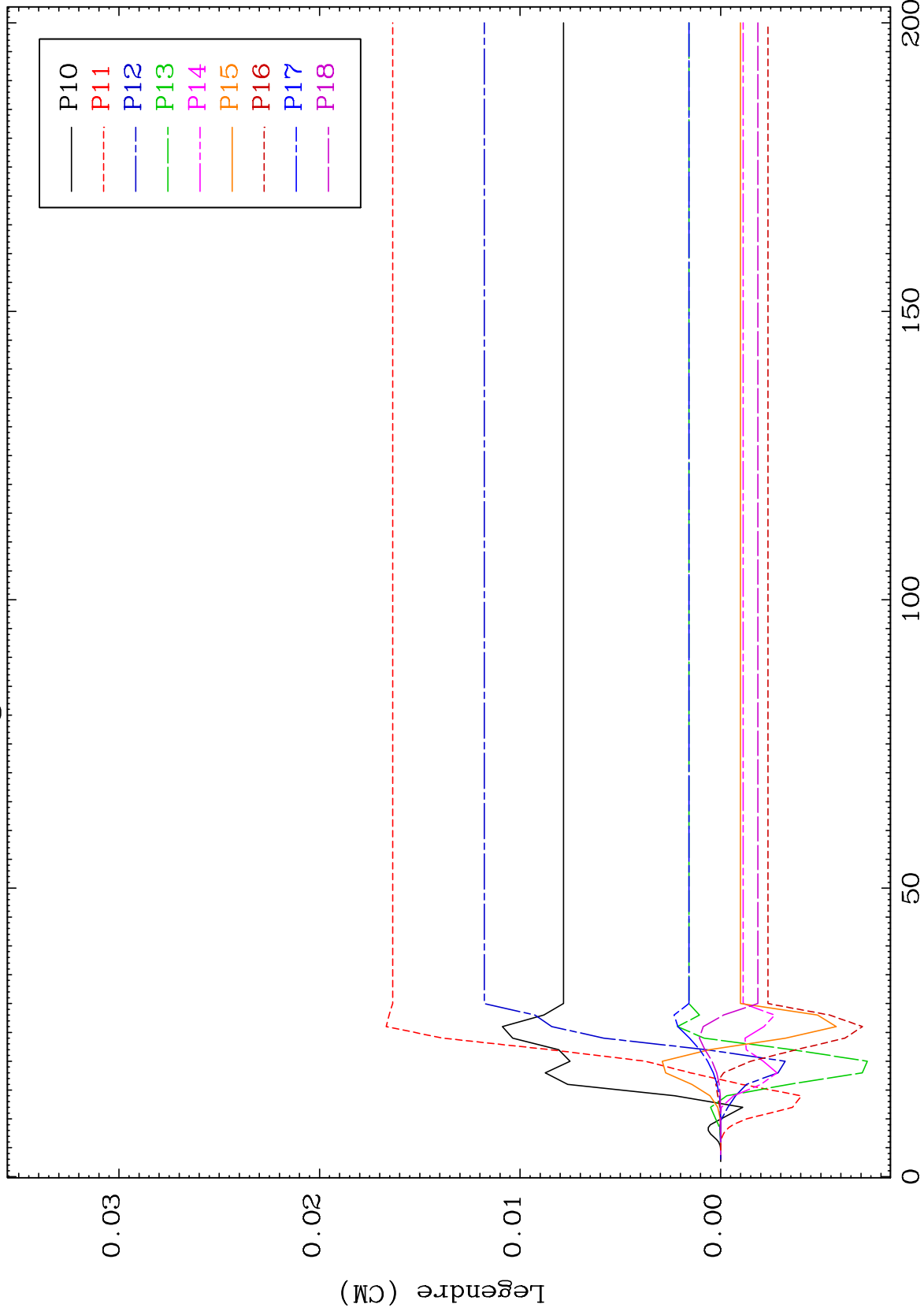
62-Sm-144



MAT 6225

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

62-Sm-144



36

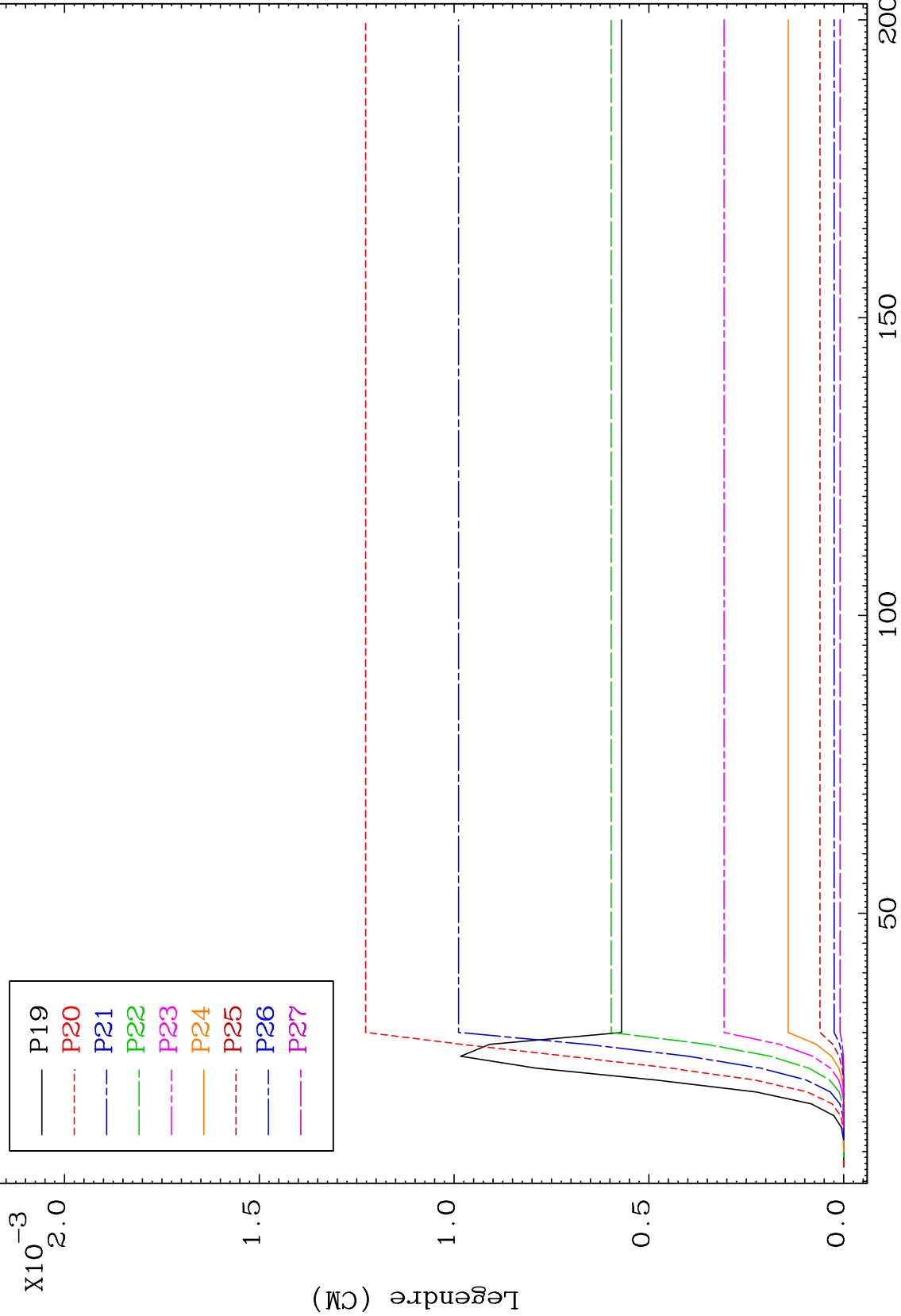
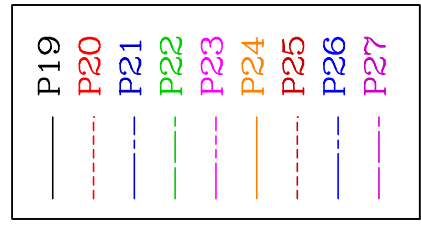
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



37

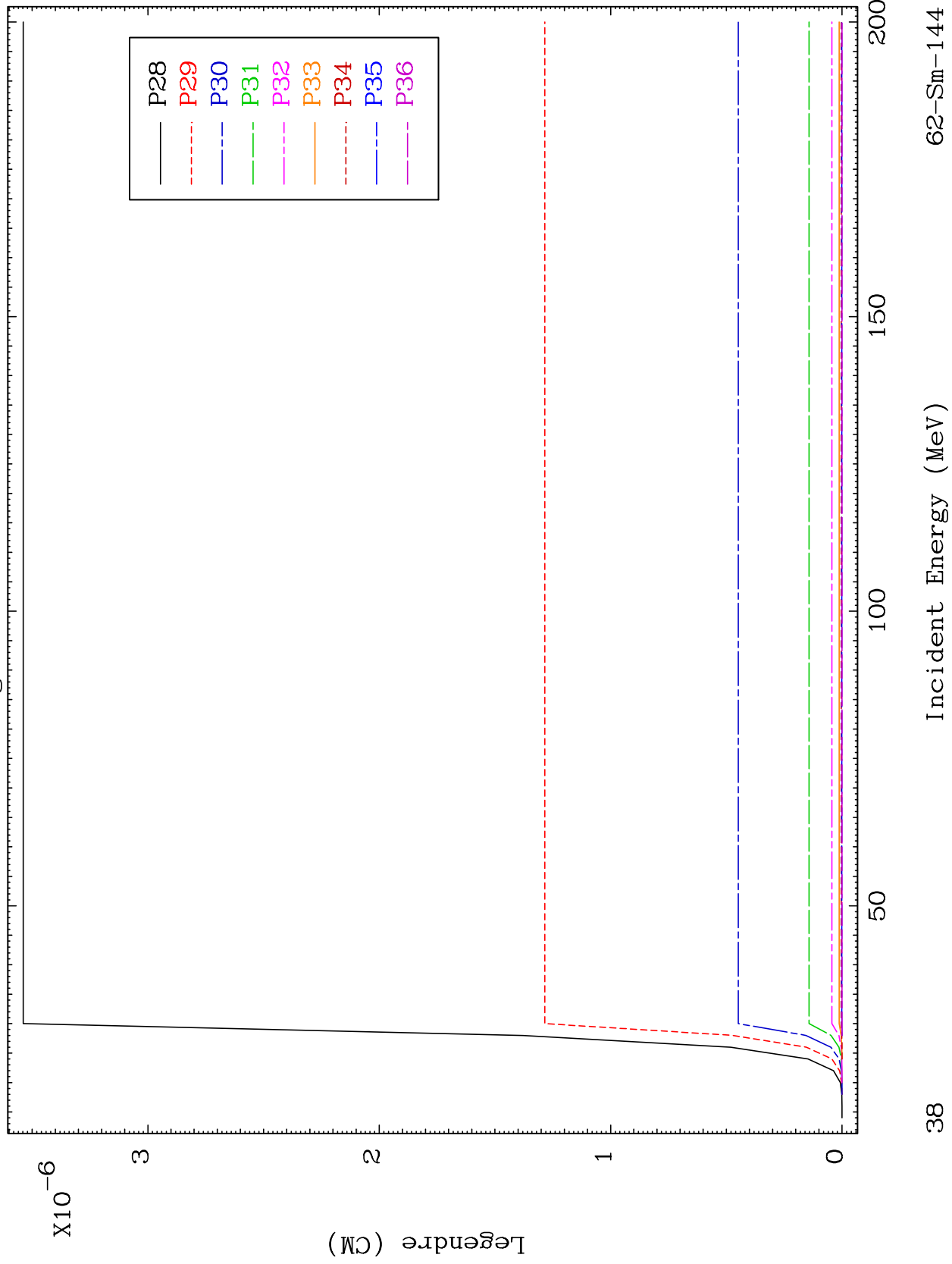
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



38

Incident Energy (MeV)

62-Sm-144

200

150

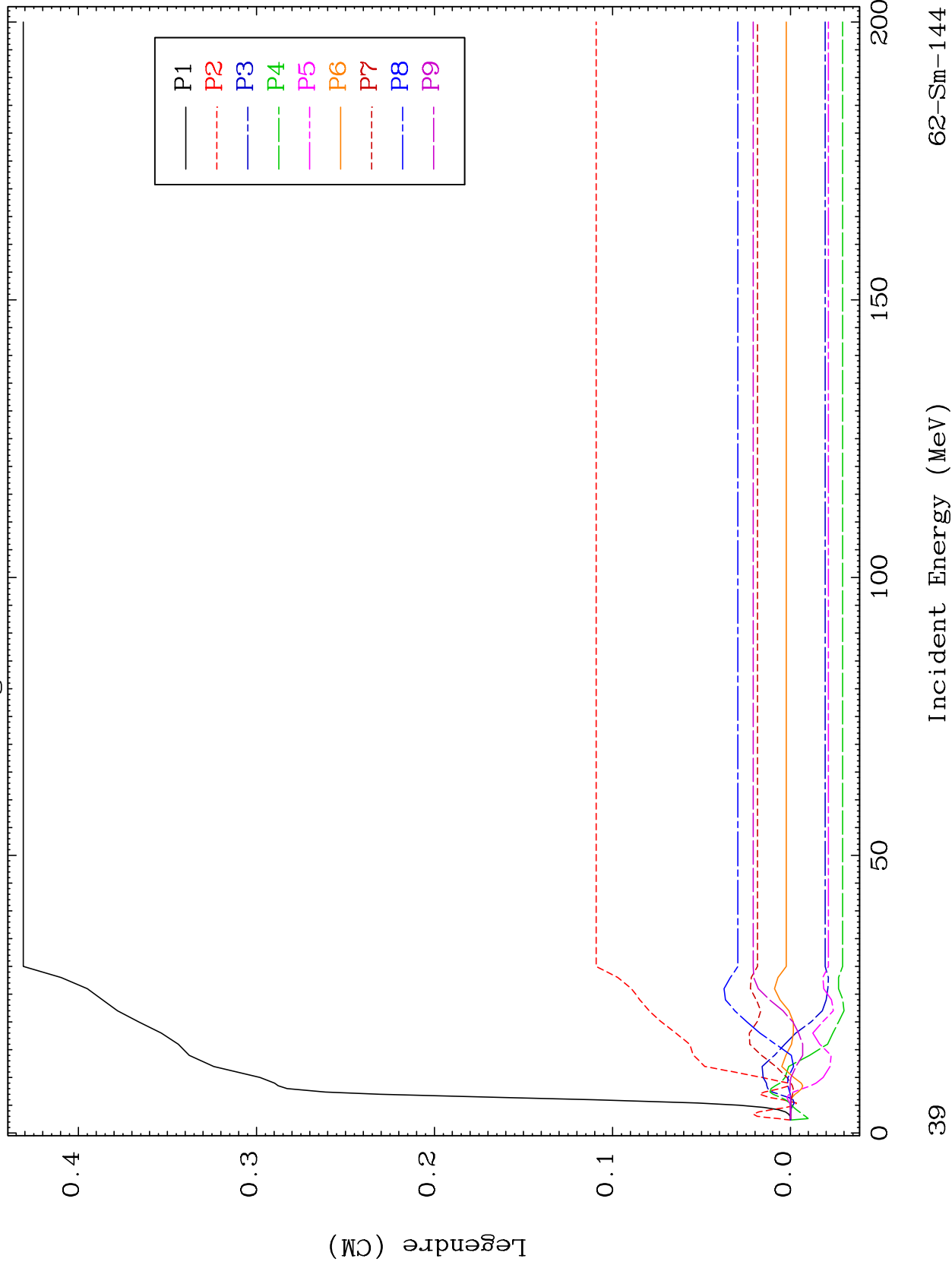
100

50

MAT 6225

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

62-Sm-144



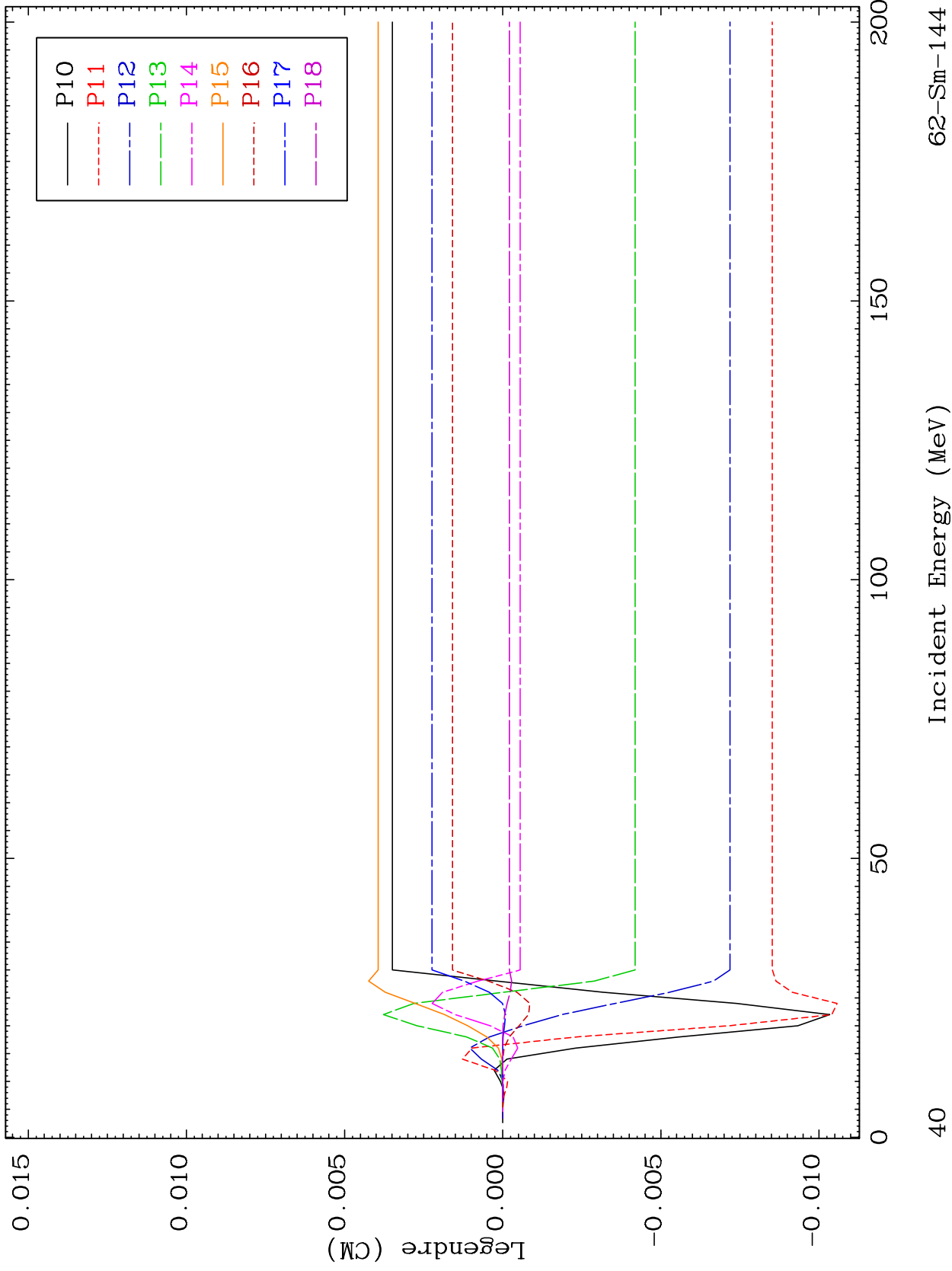
39

62-Sm-144

MAT 6225

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

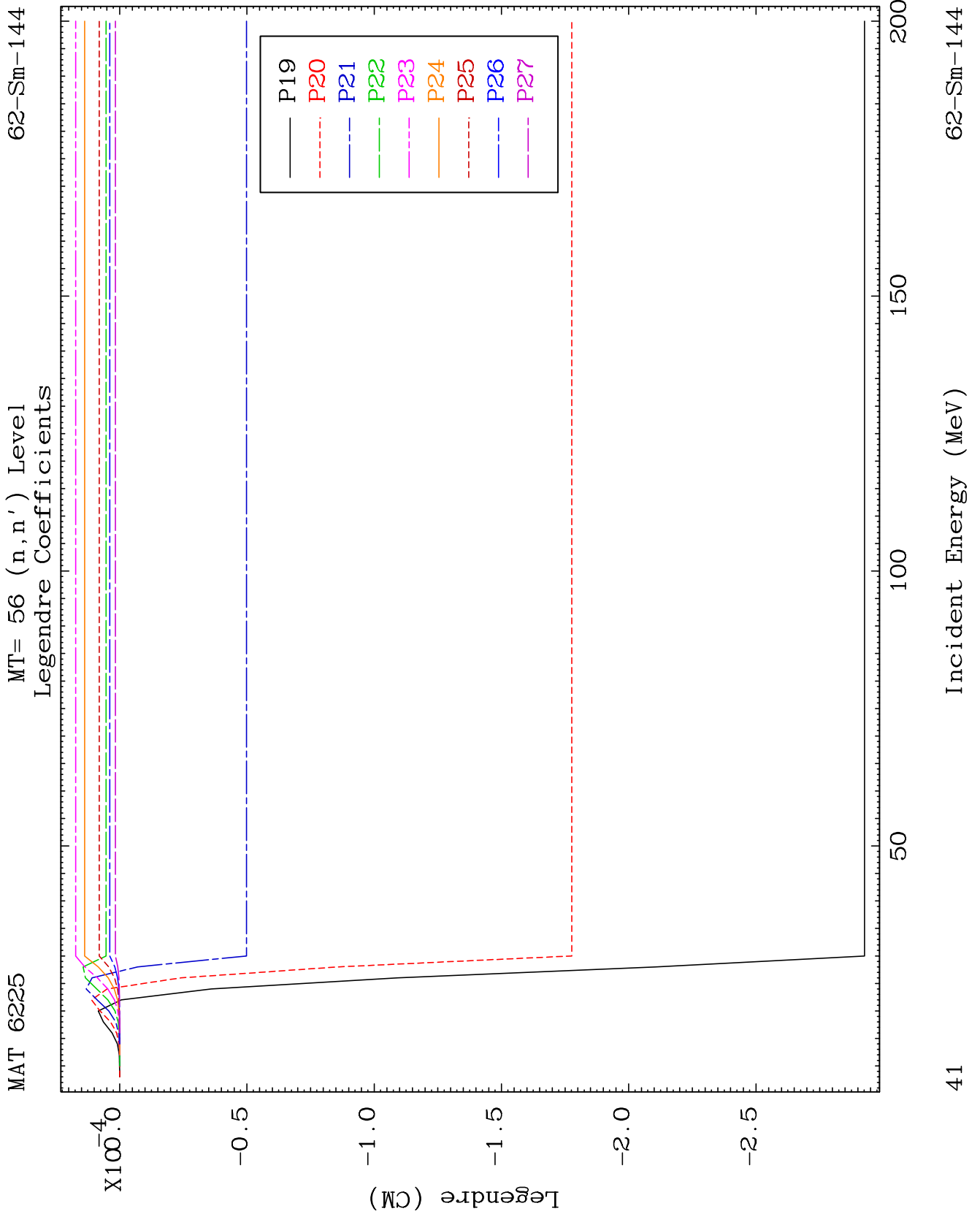
62-Sm-144



62-Sm-144

Incident Energy (MeV)

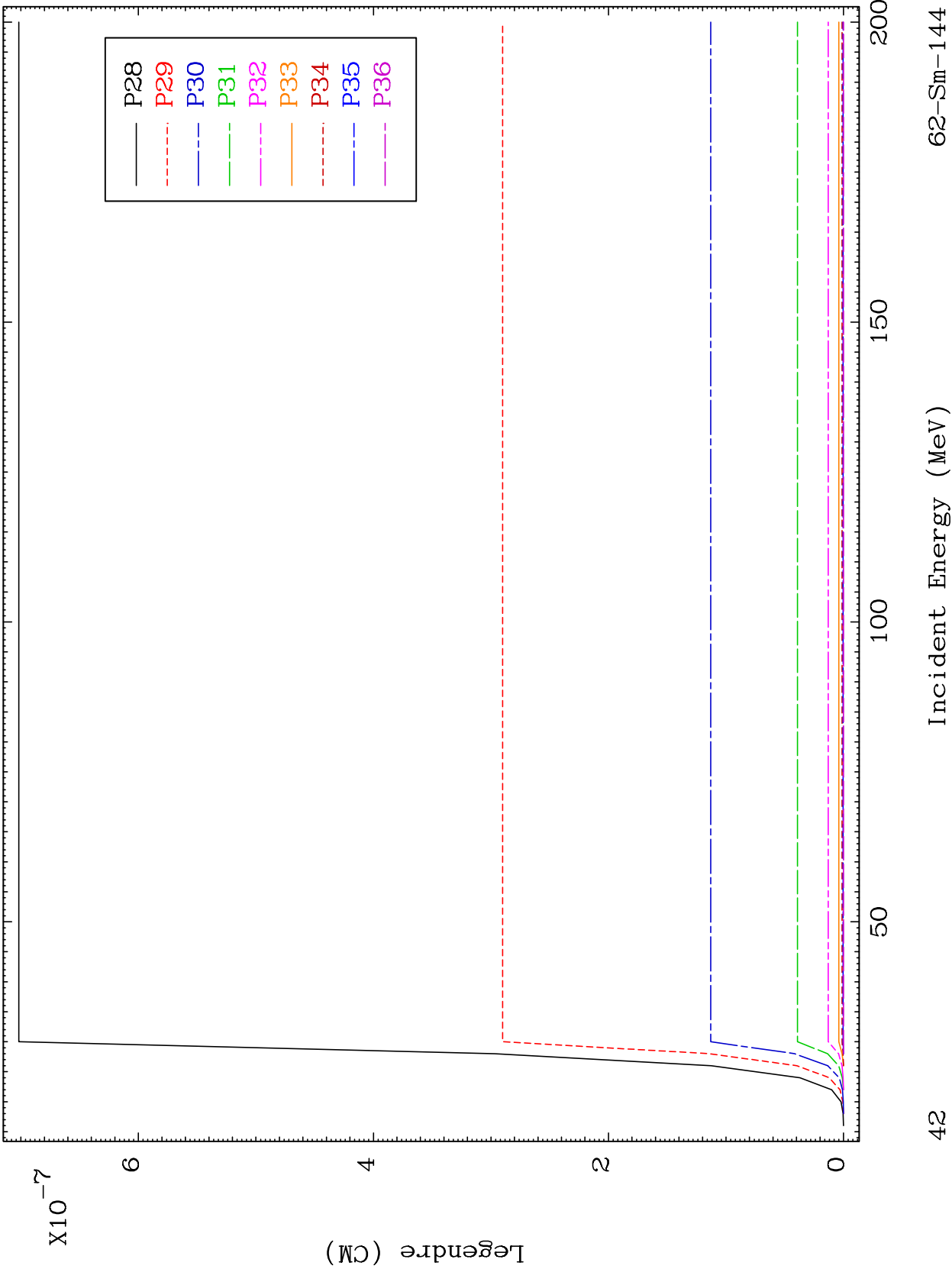
40



MAT 6225

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

62-Sm-144



42

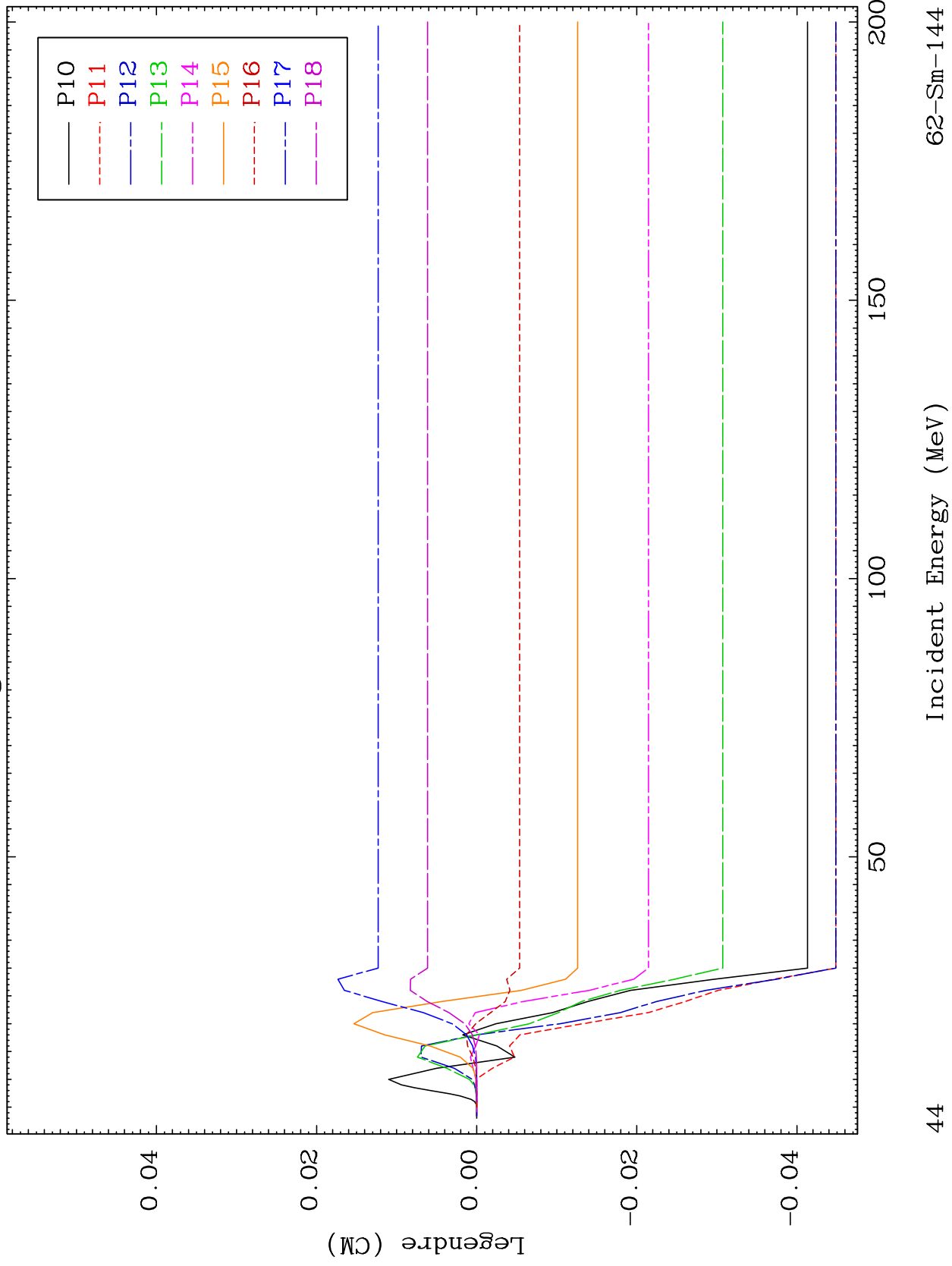
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



44

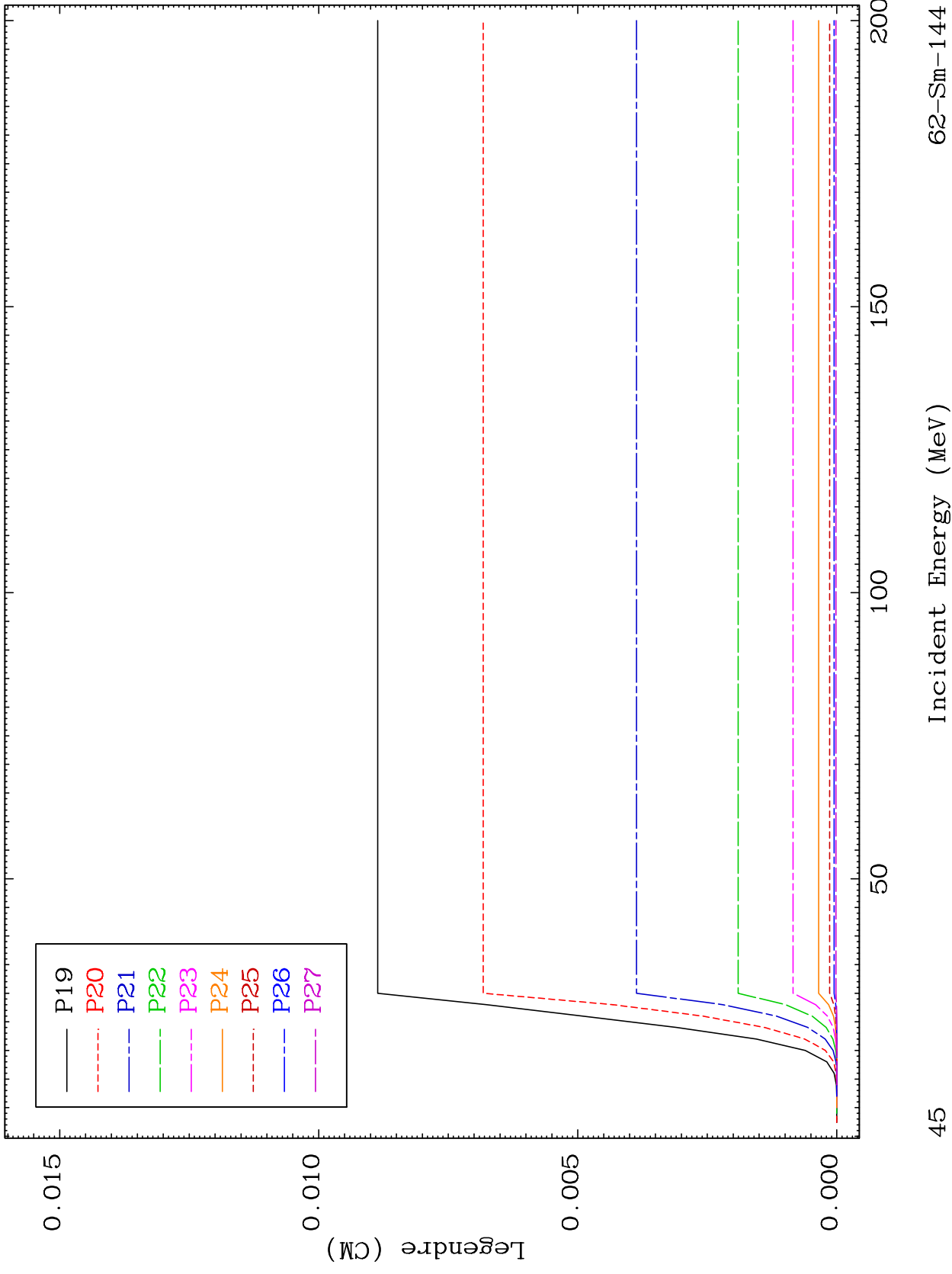
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



45

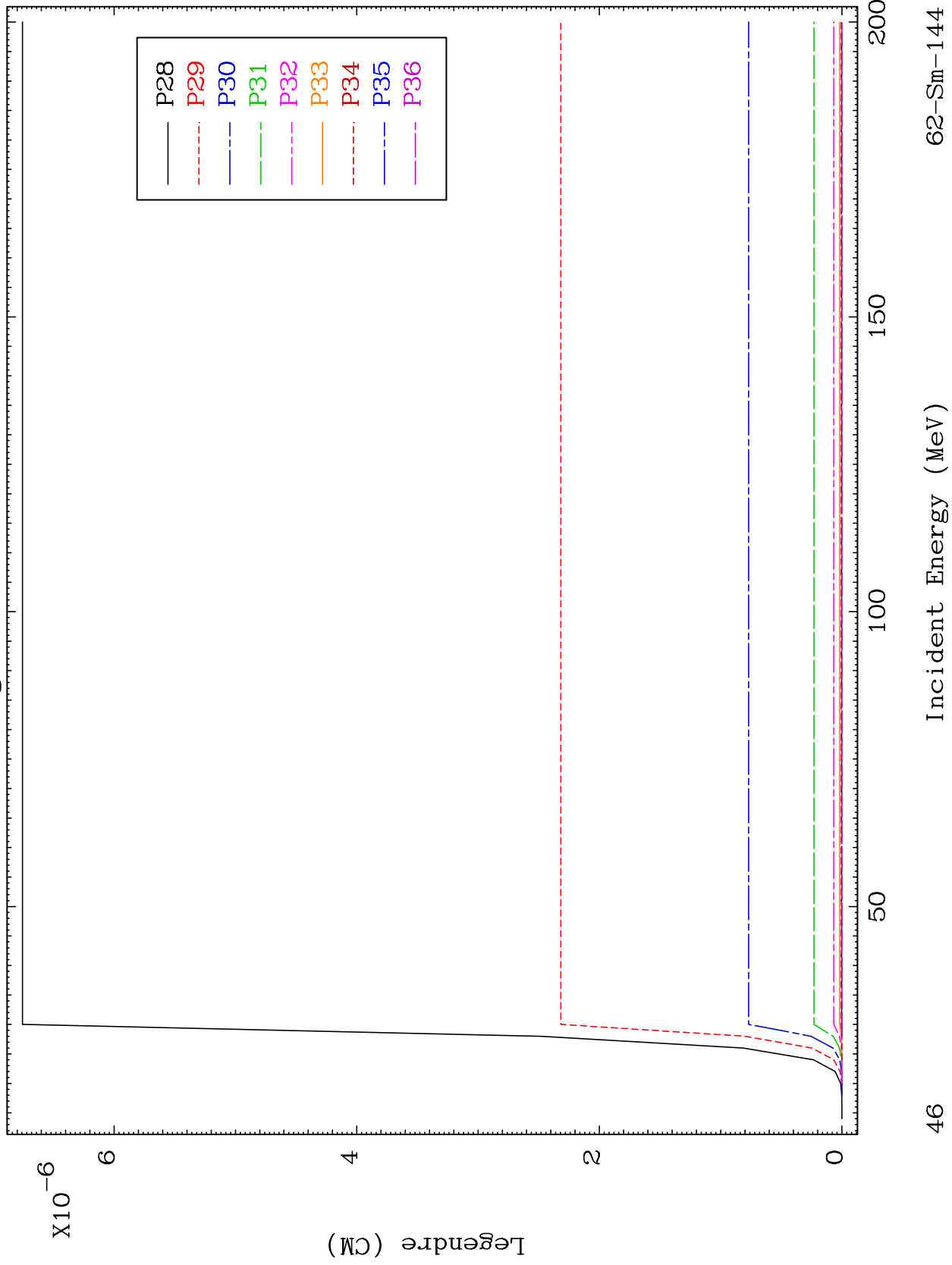
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

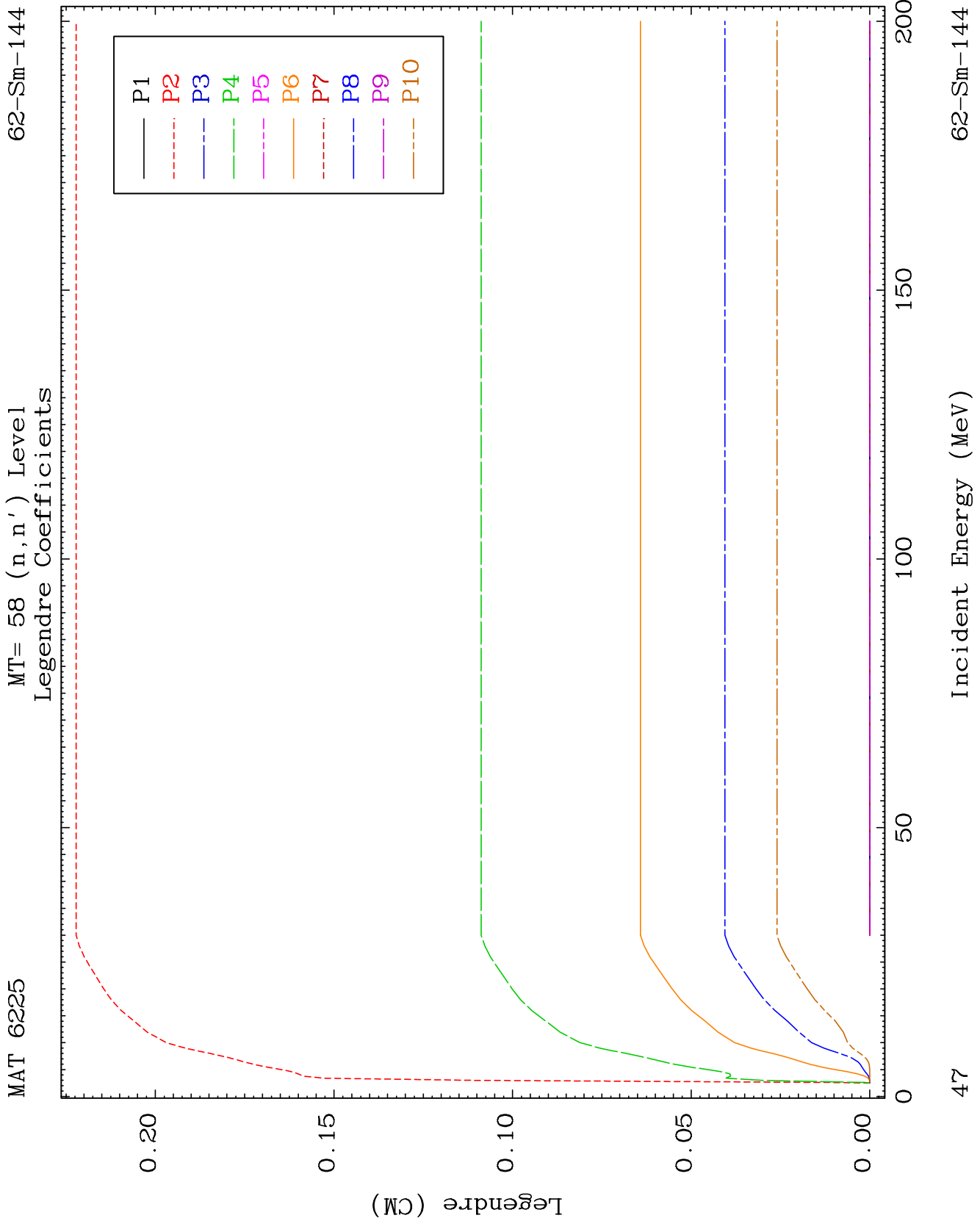
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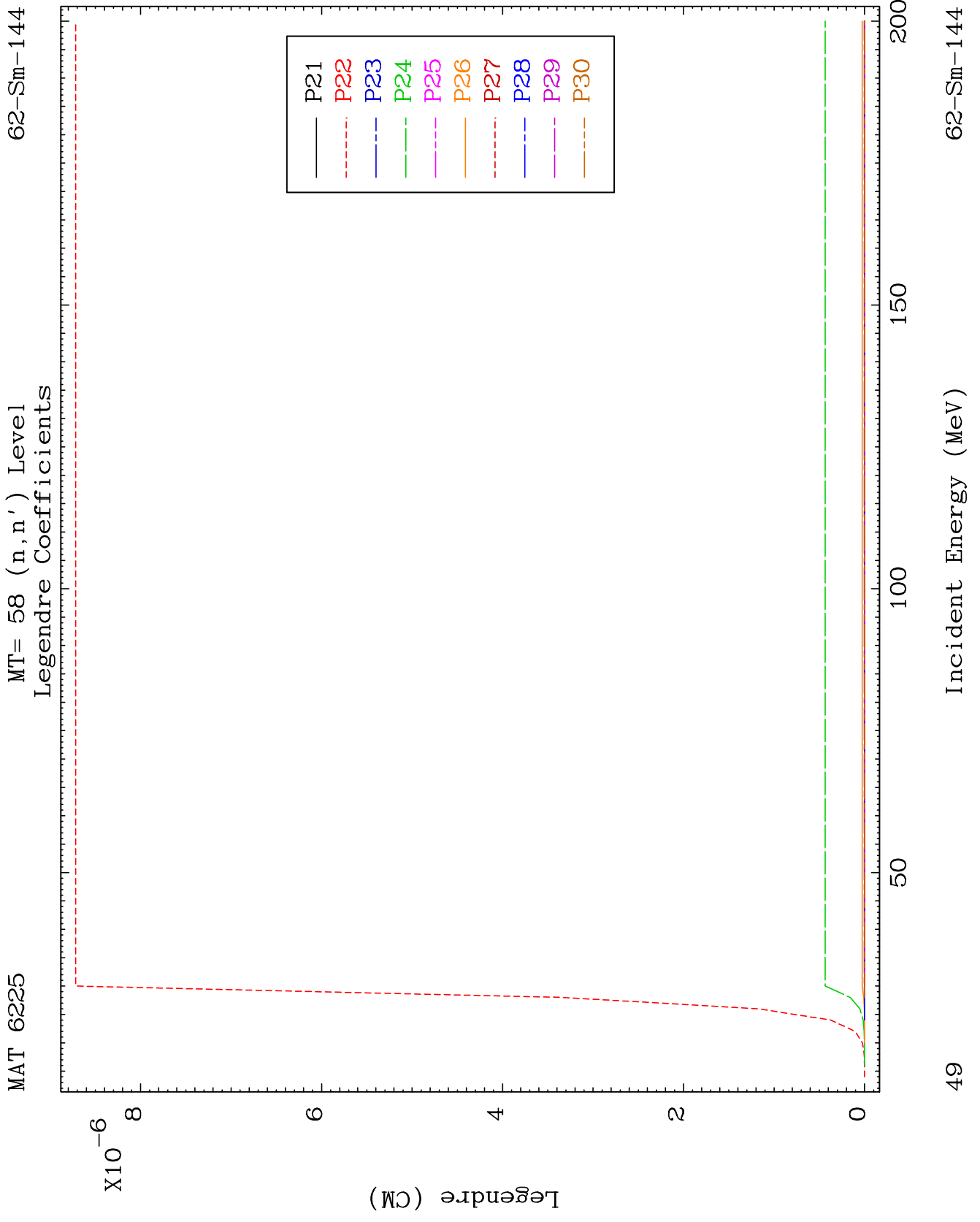


46

Incident Energy (MeV)

62-Sm-144

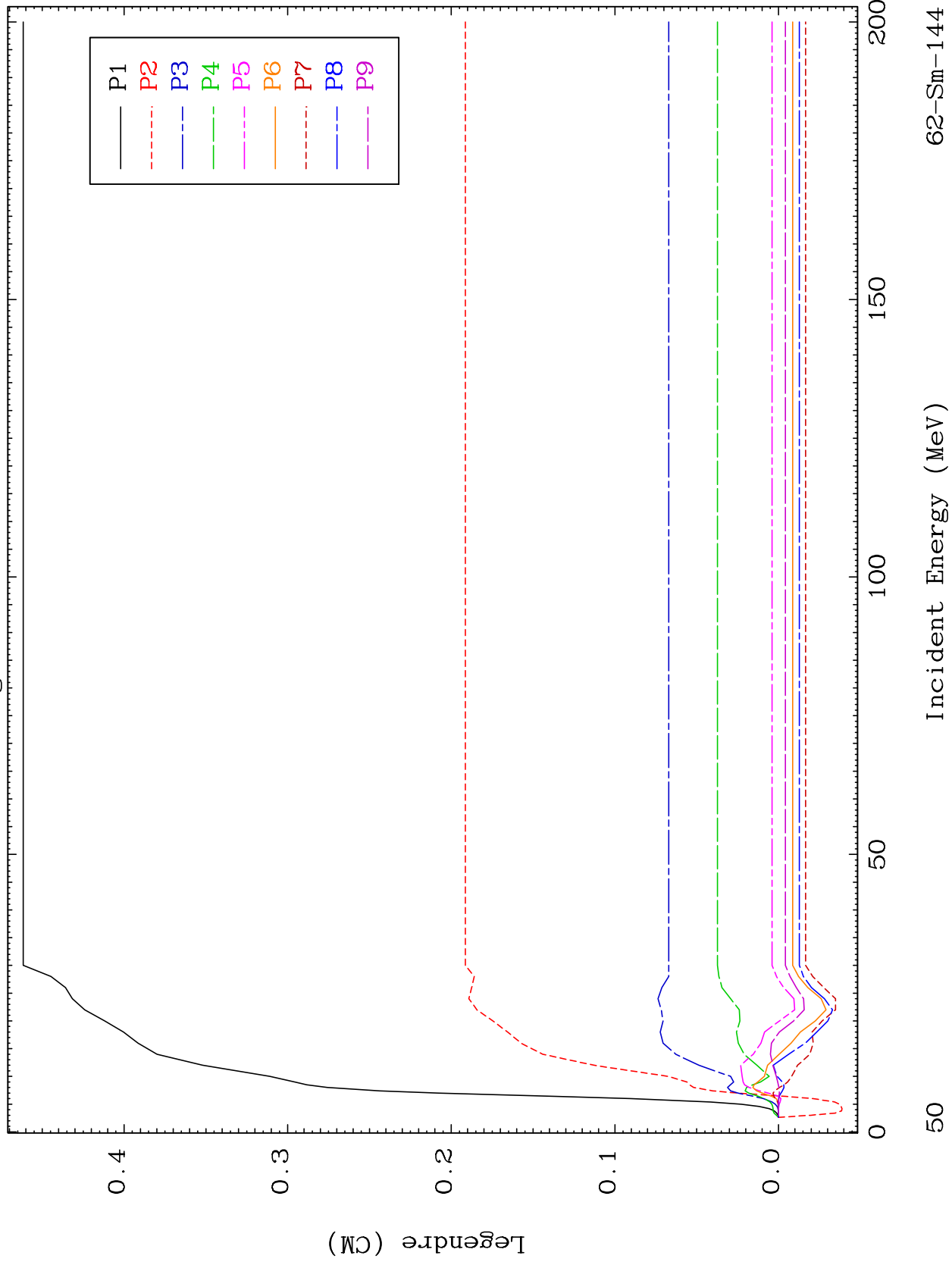




MAT 6225

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

62-Sm-144



62-Sm-144

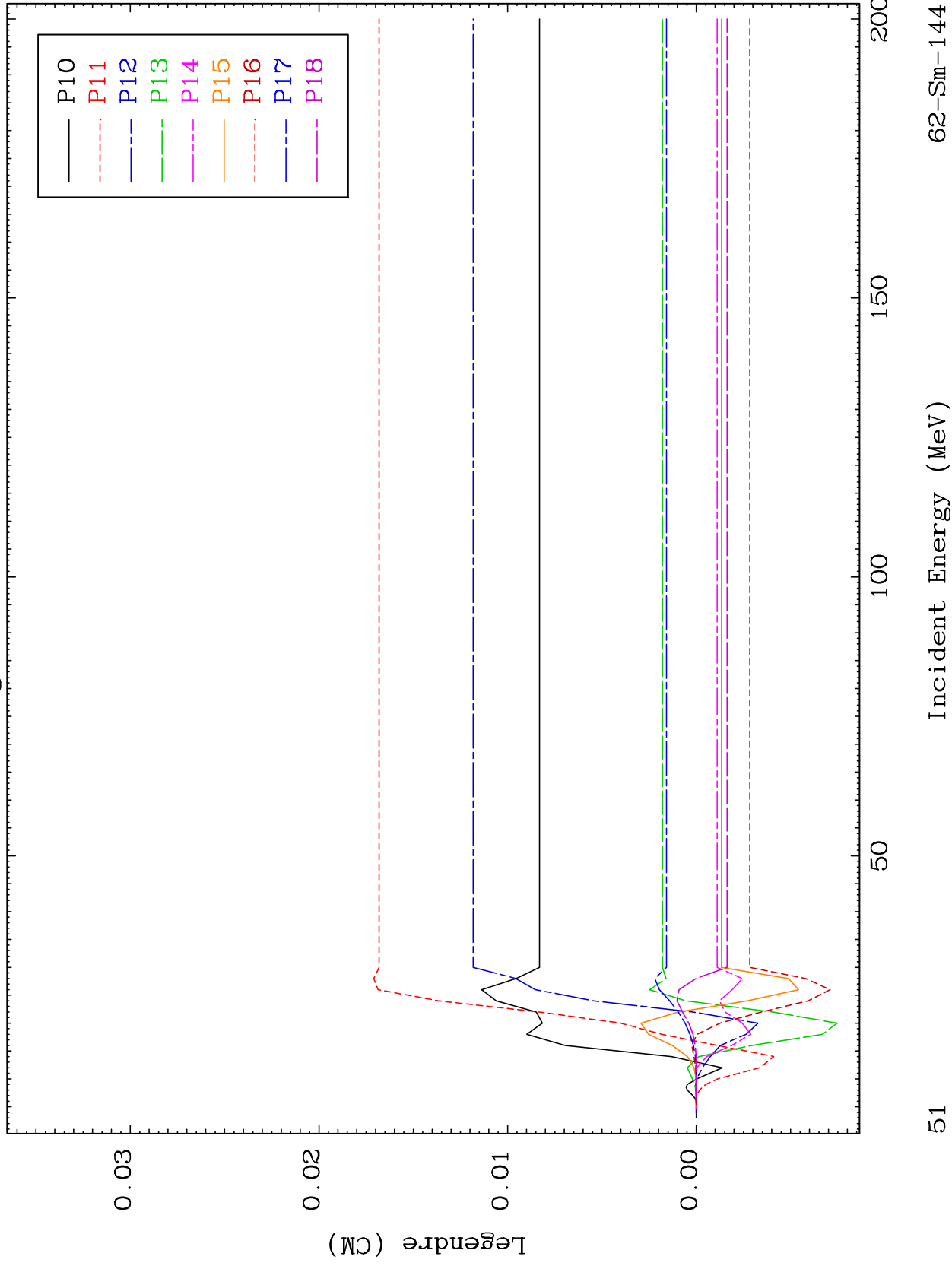
Incident Energy (MeV)

50

MAT 6225

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

62-Sm-144



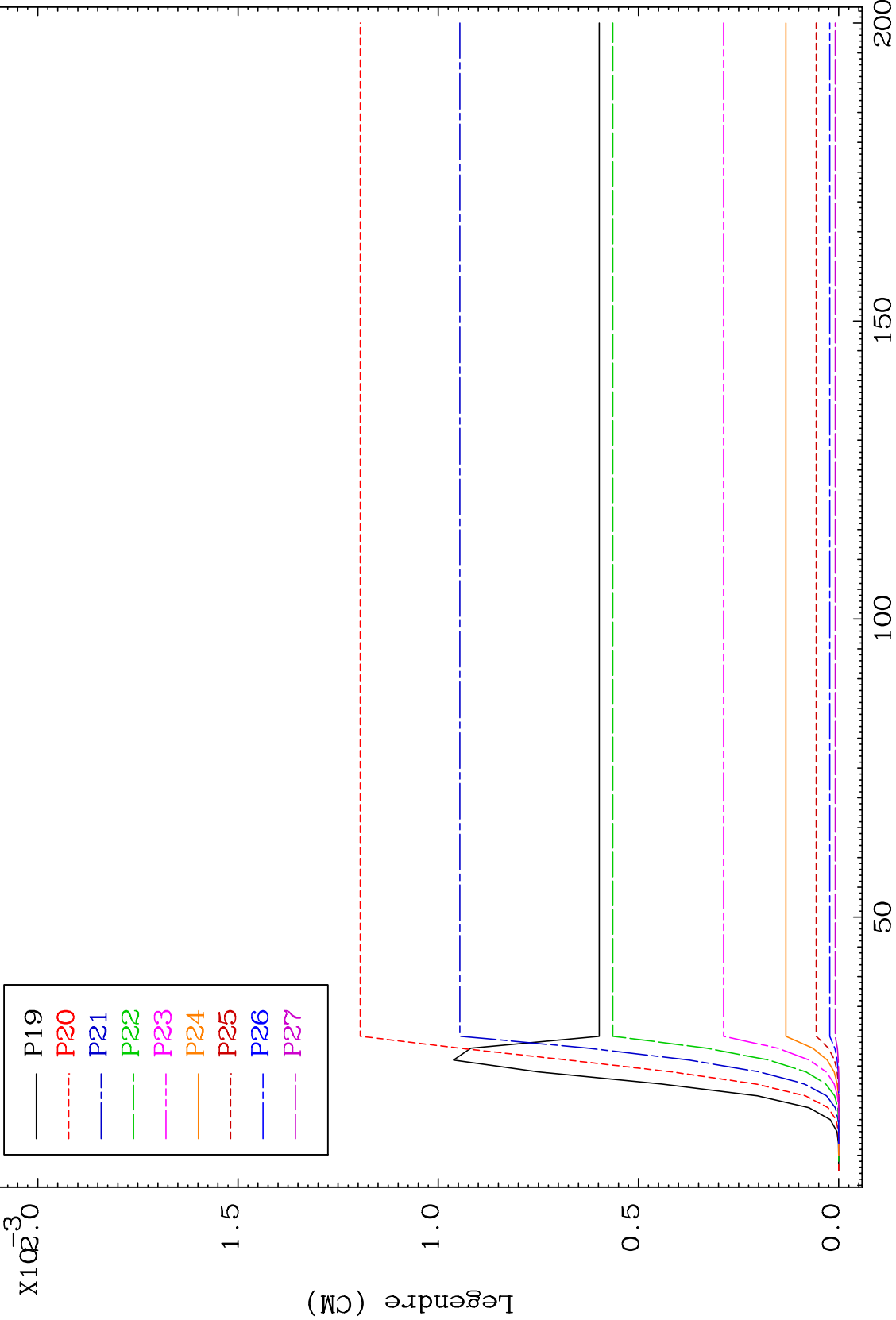
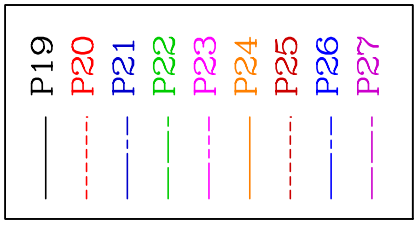
51

62-Sm-144

MAT 6225

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

62-Sm-144



52

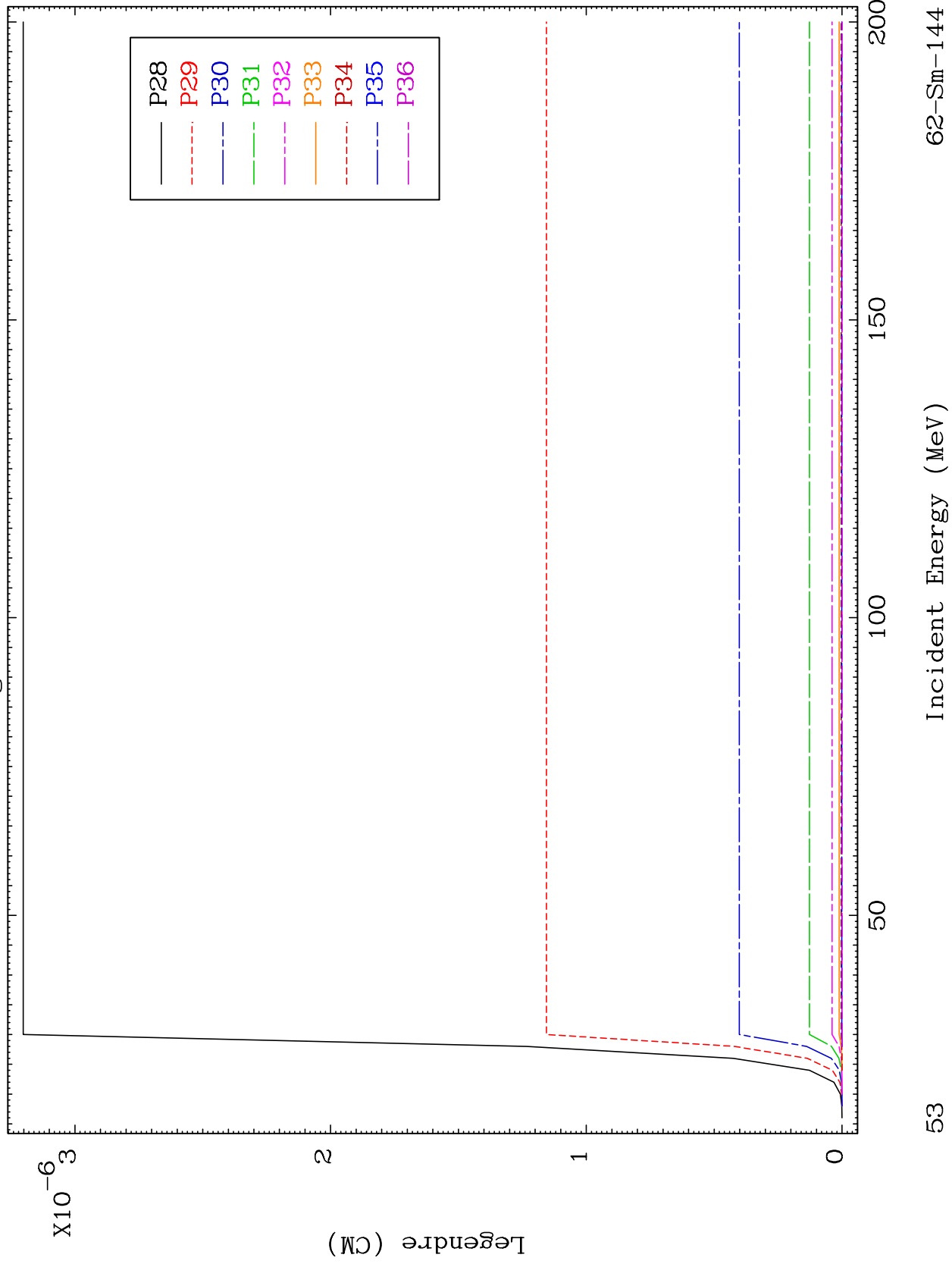
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

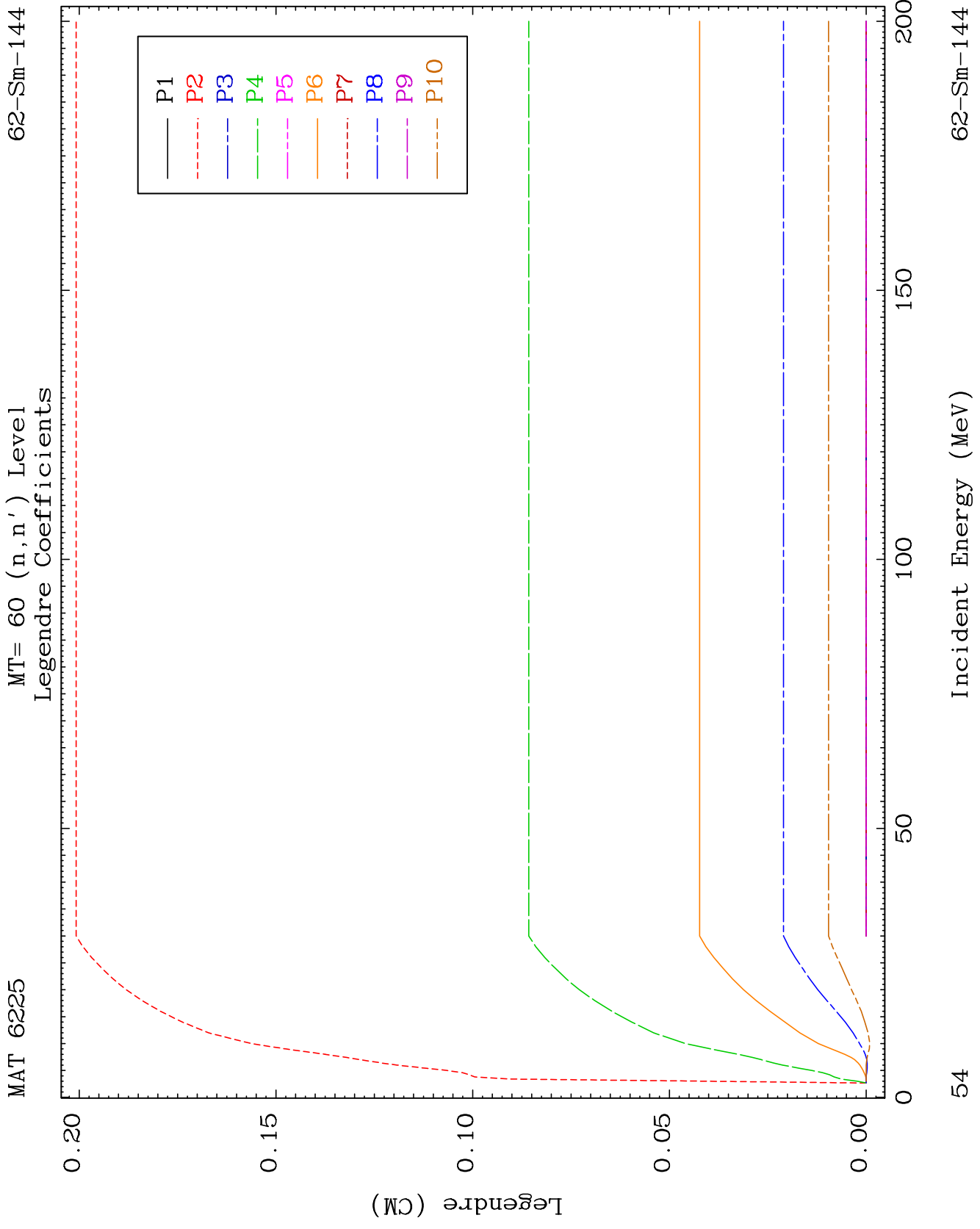
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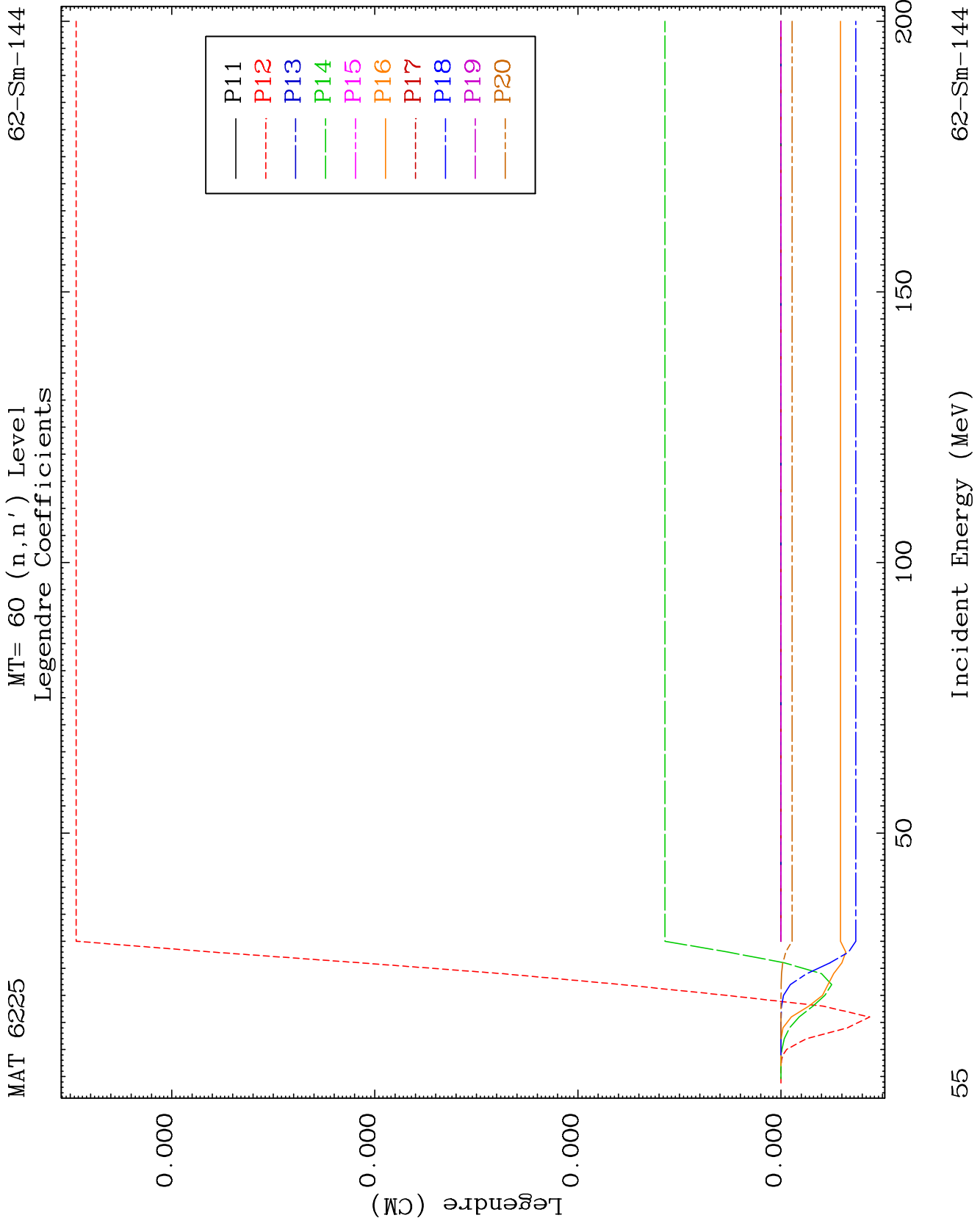


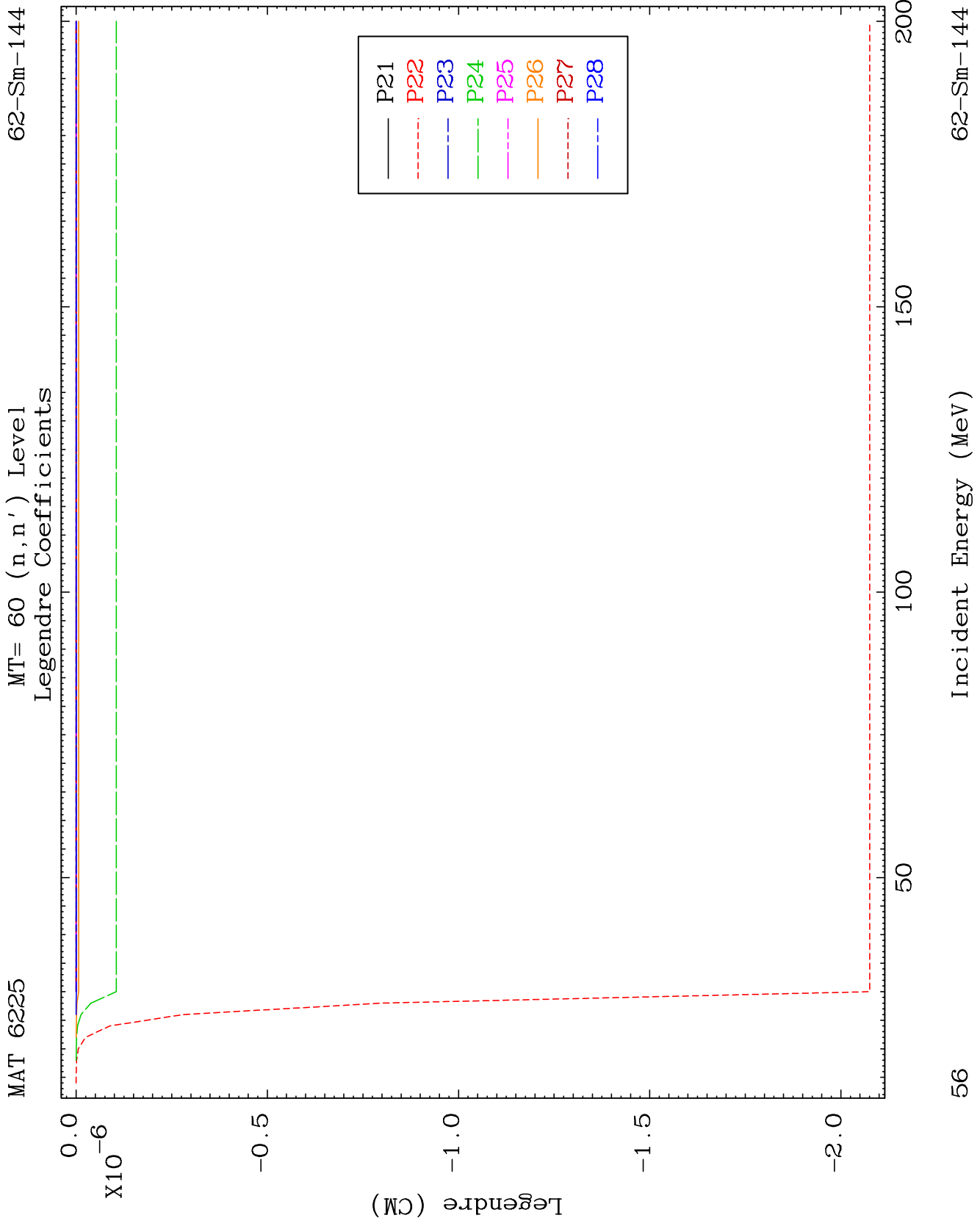
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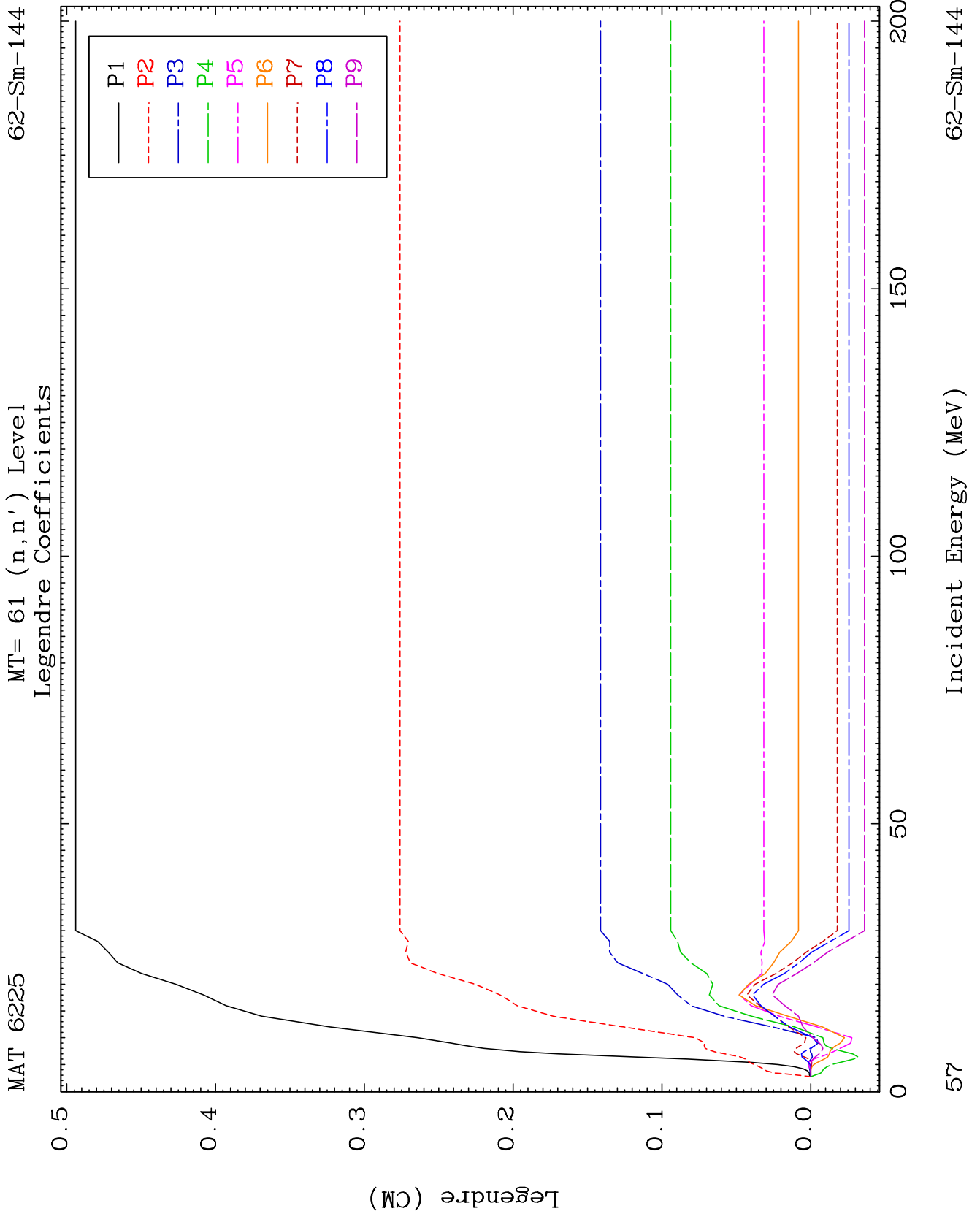
Incident Energy (MeV)

62-Sm-144





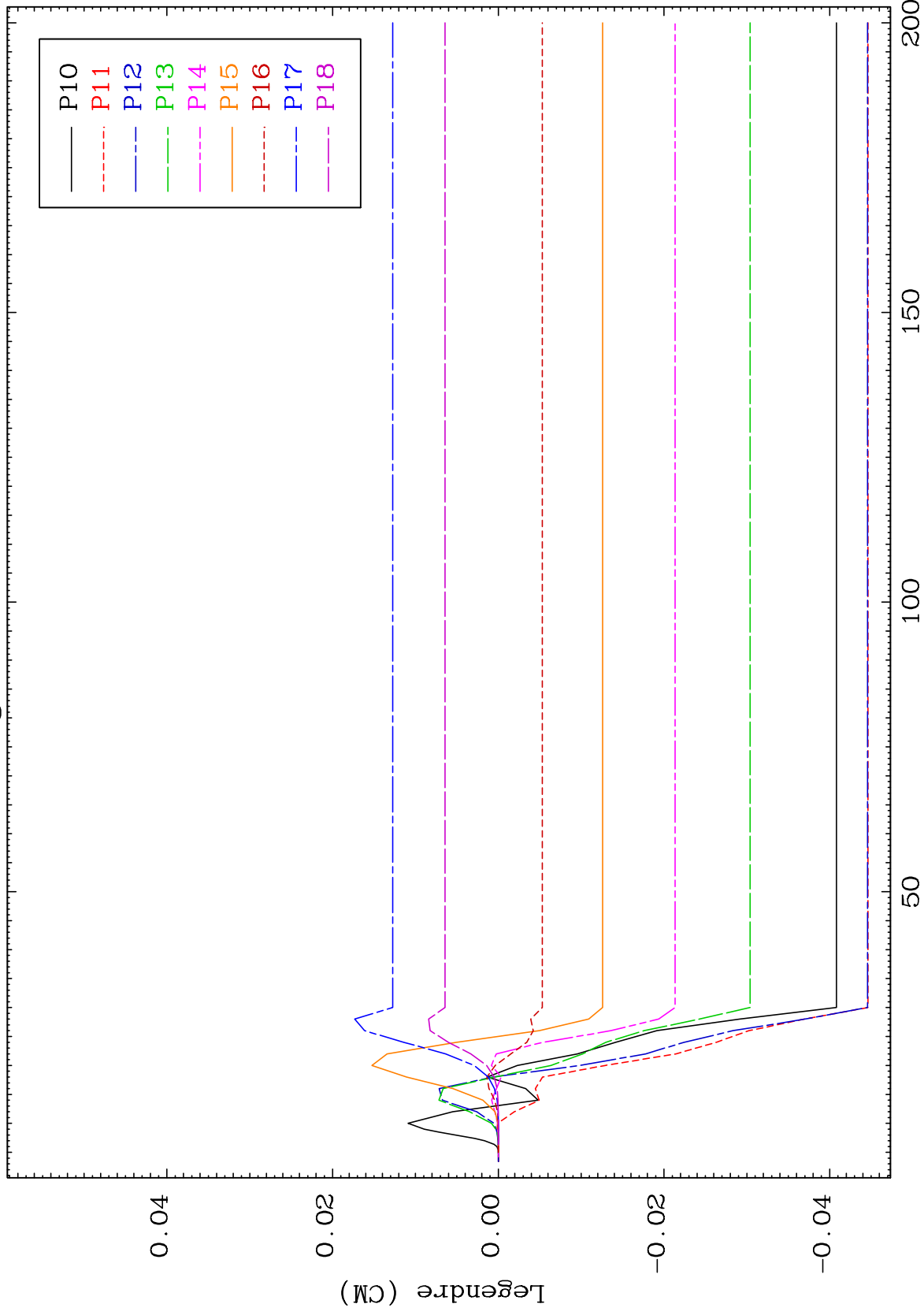




MAT 6225

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

62-Sm-144



58

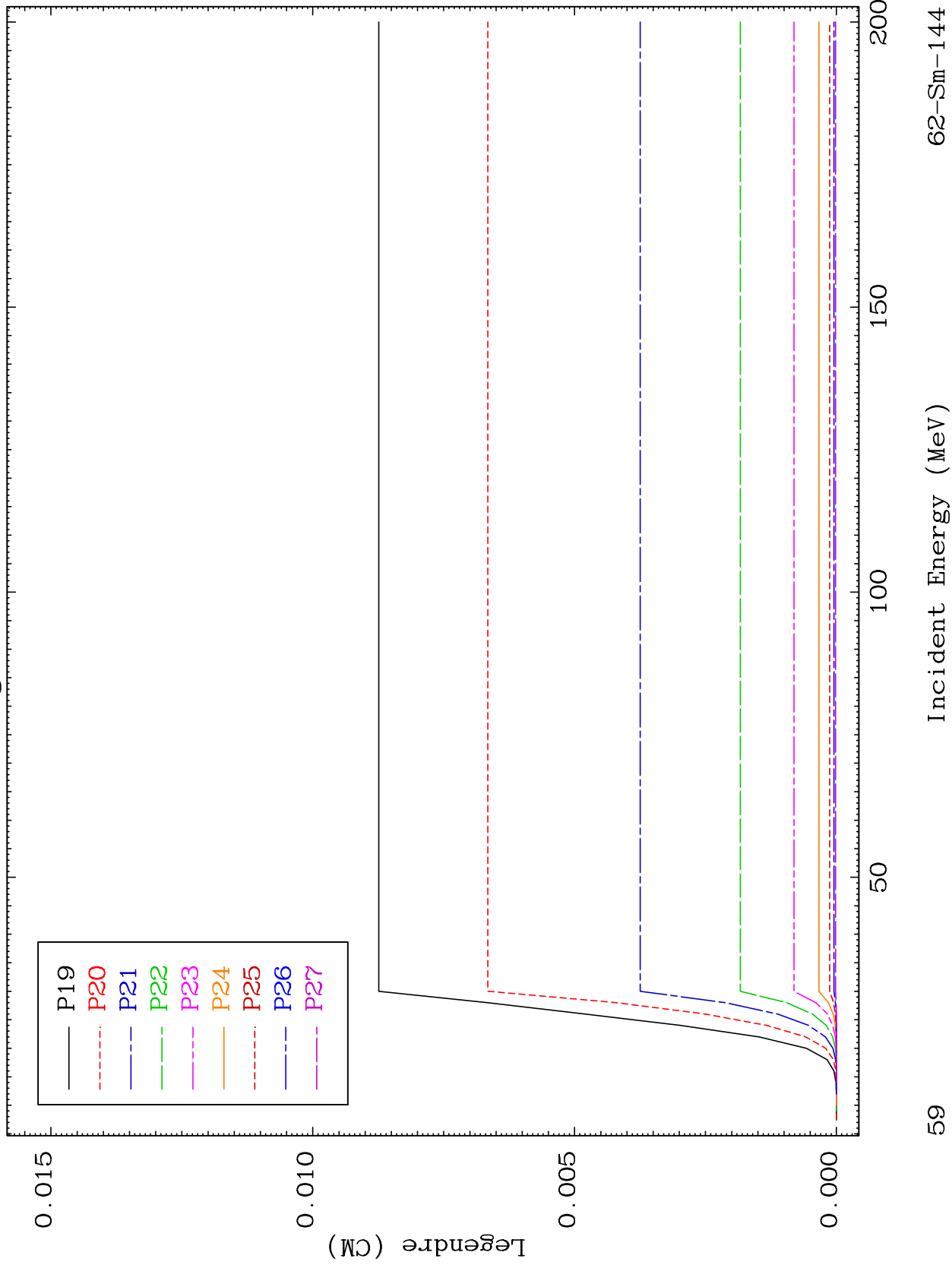
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

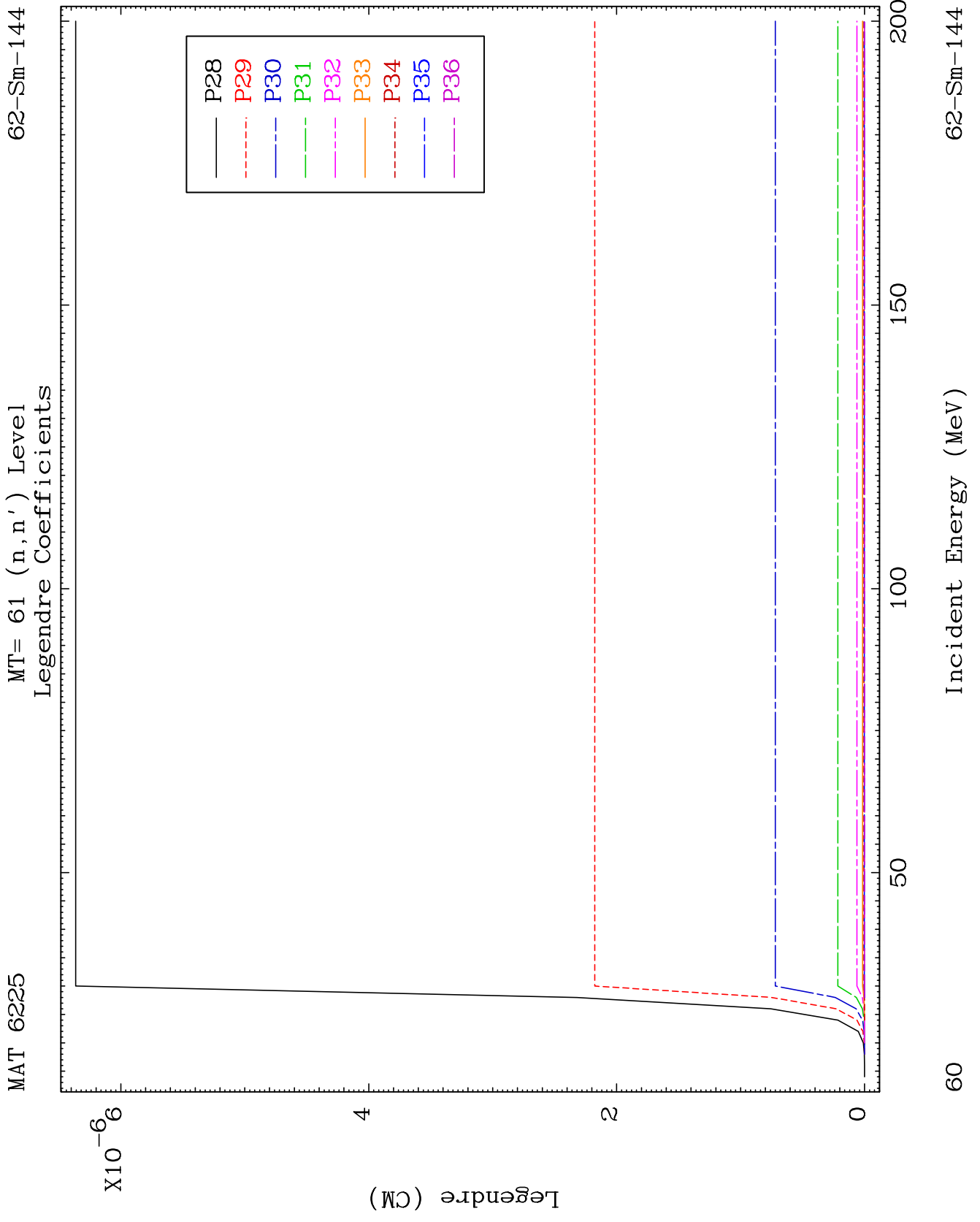
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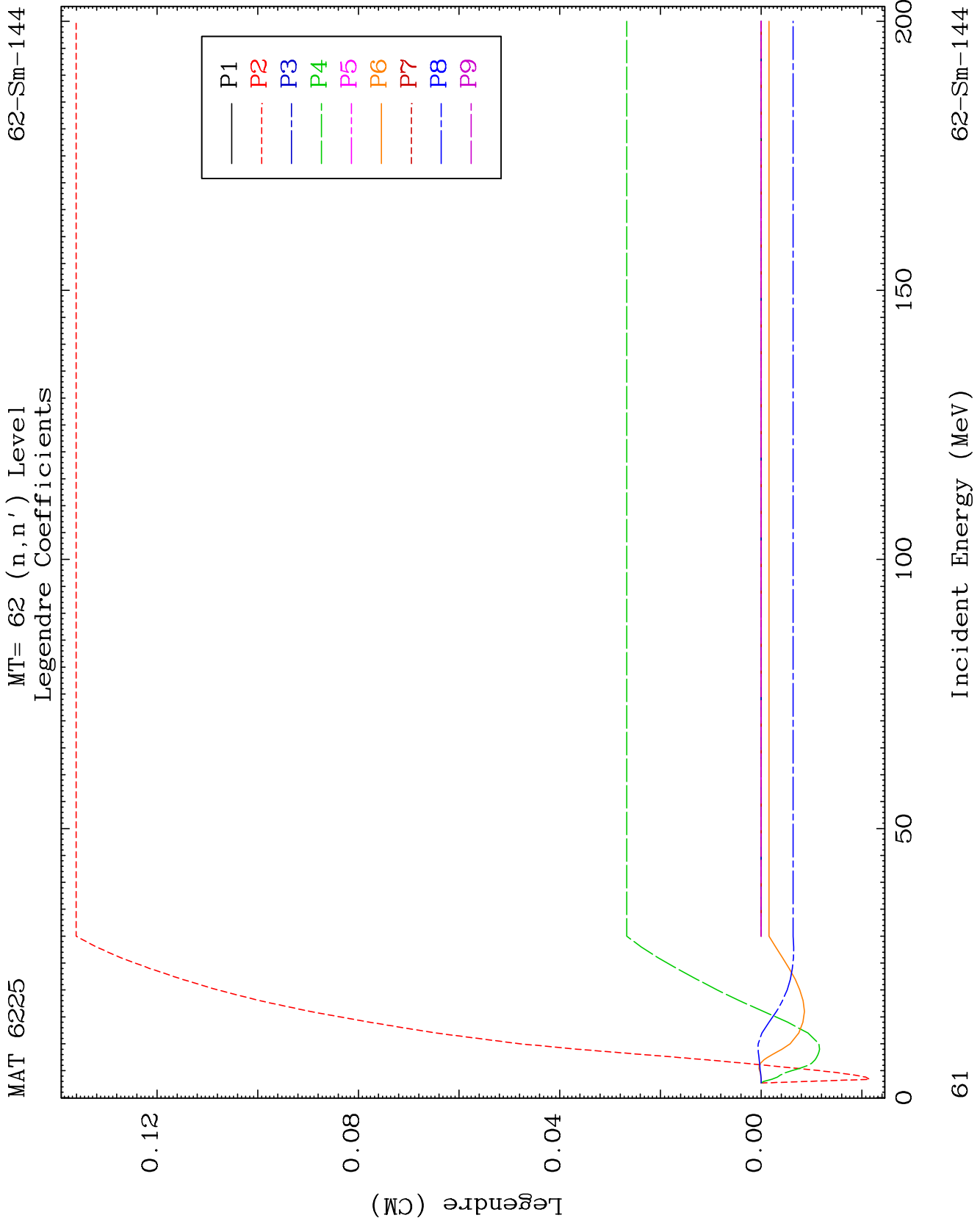


59

Incident Energy (MeV)

62-Sm-144

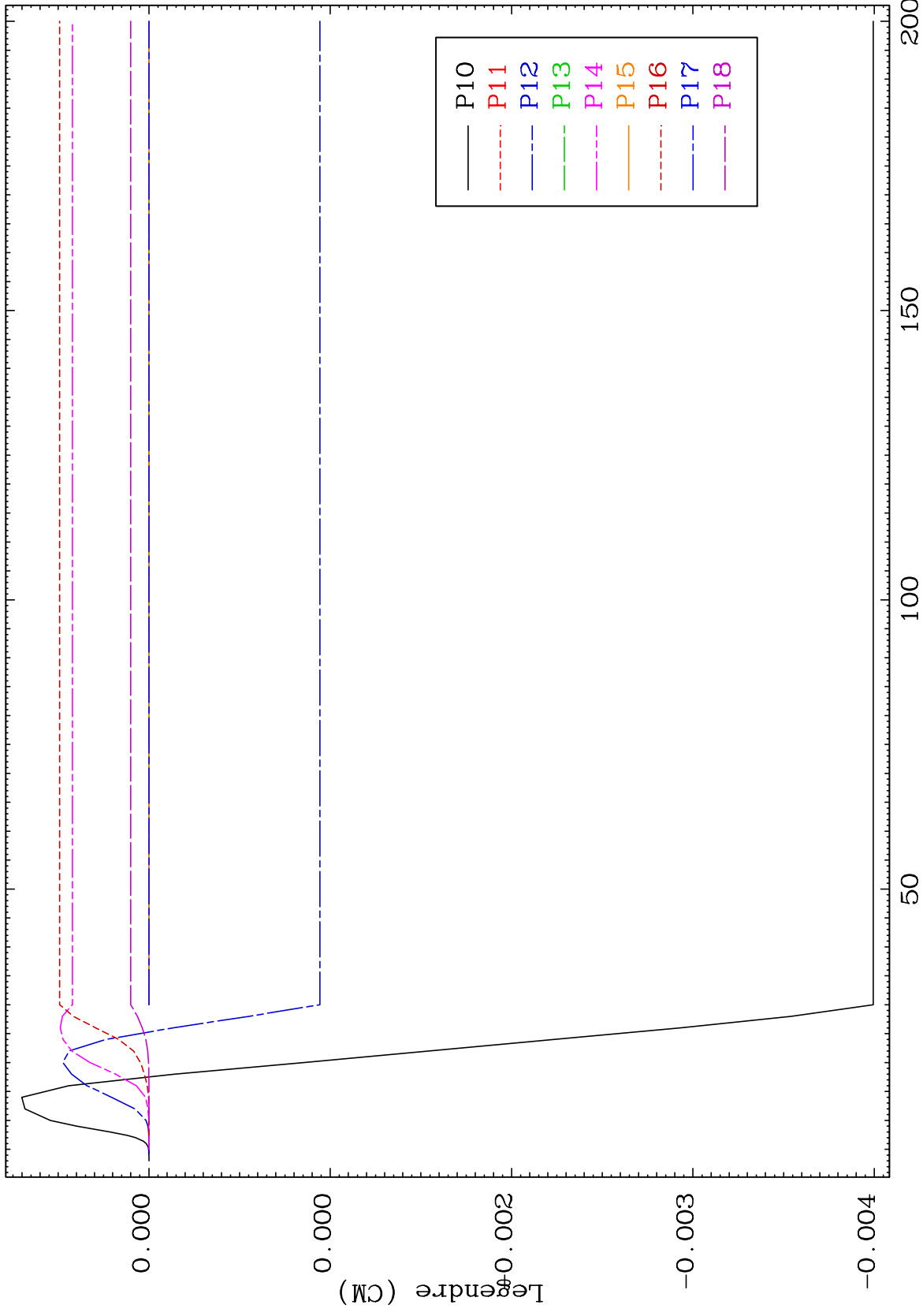




MAT 6225

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

62-Sm-144



62

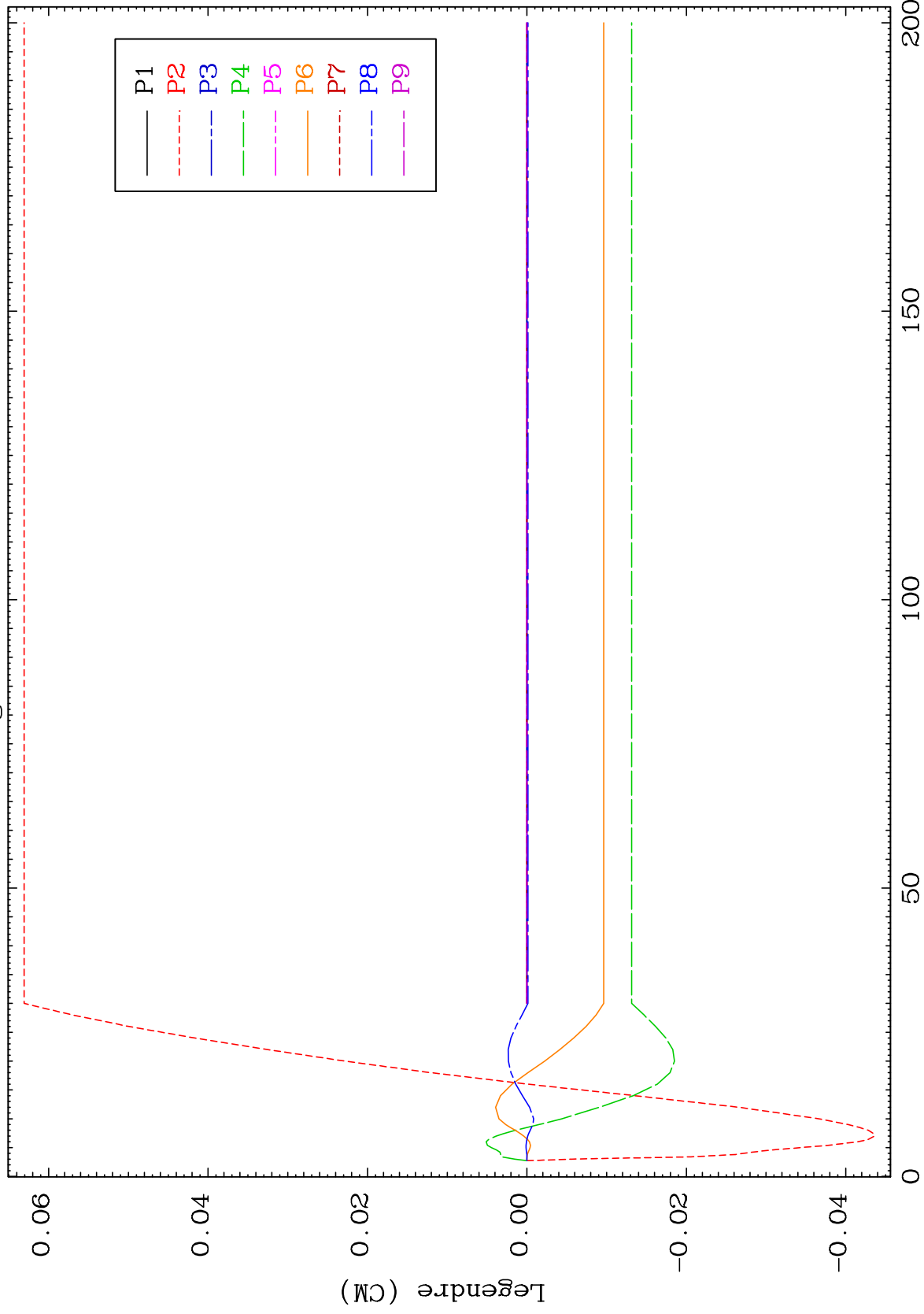
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

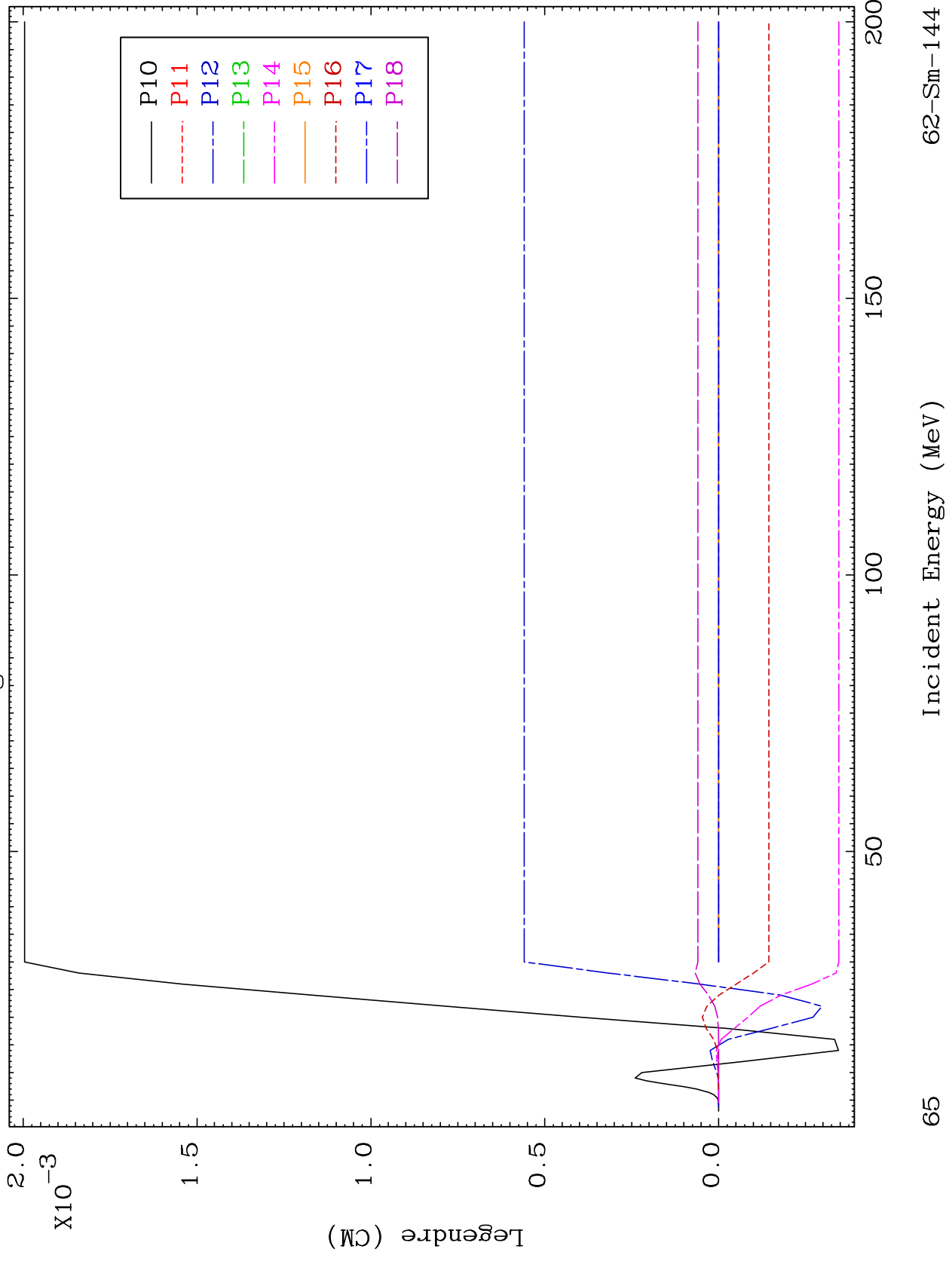
62-Sm-144

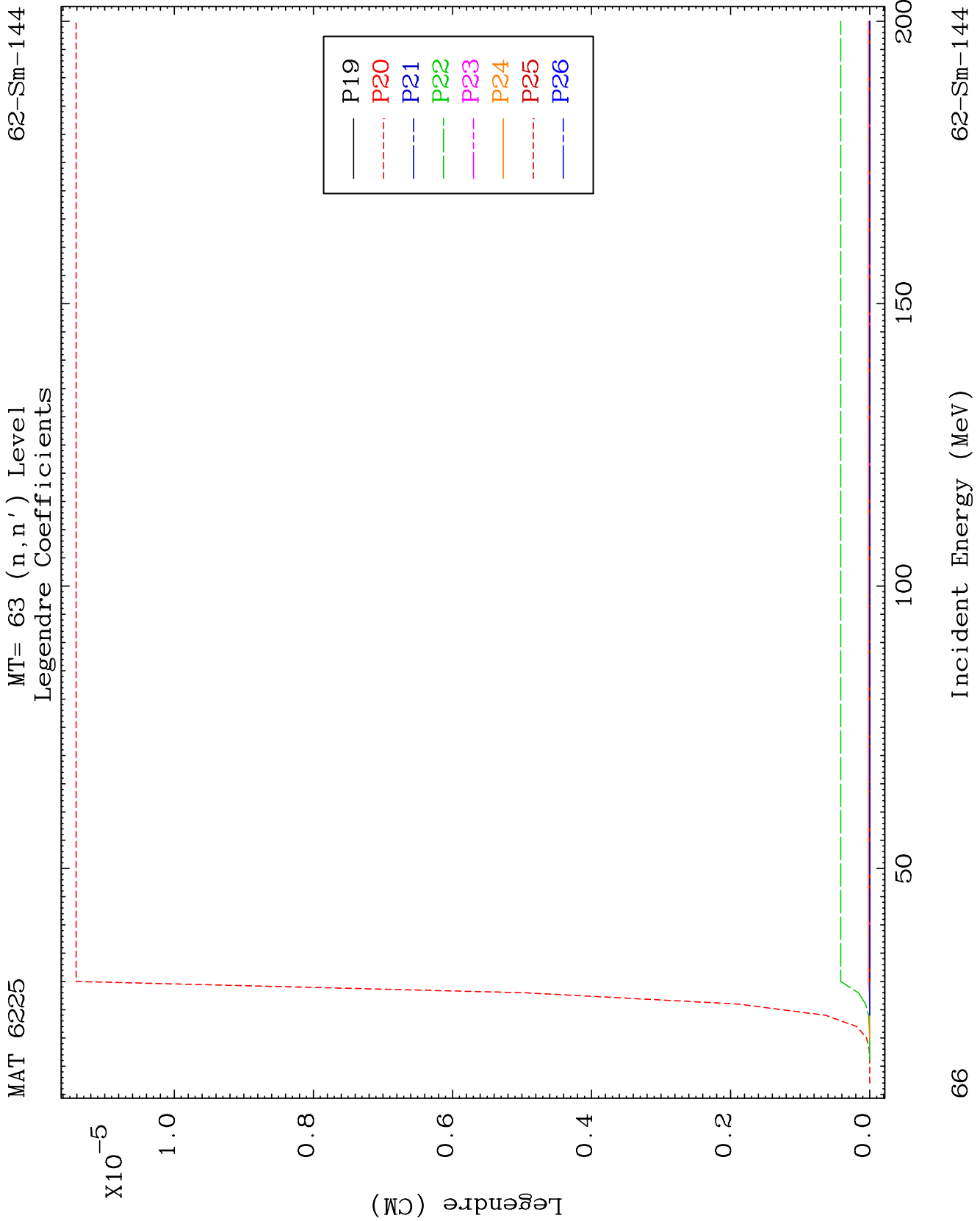


64

Incident Energy (MeV)

62-Sm-144

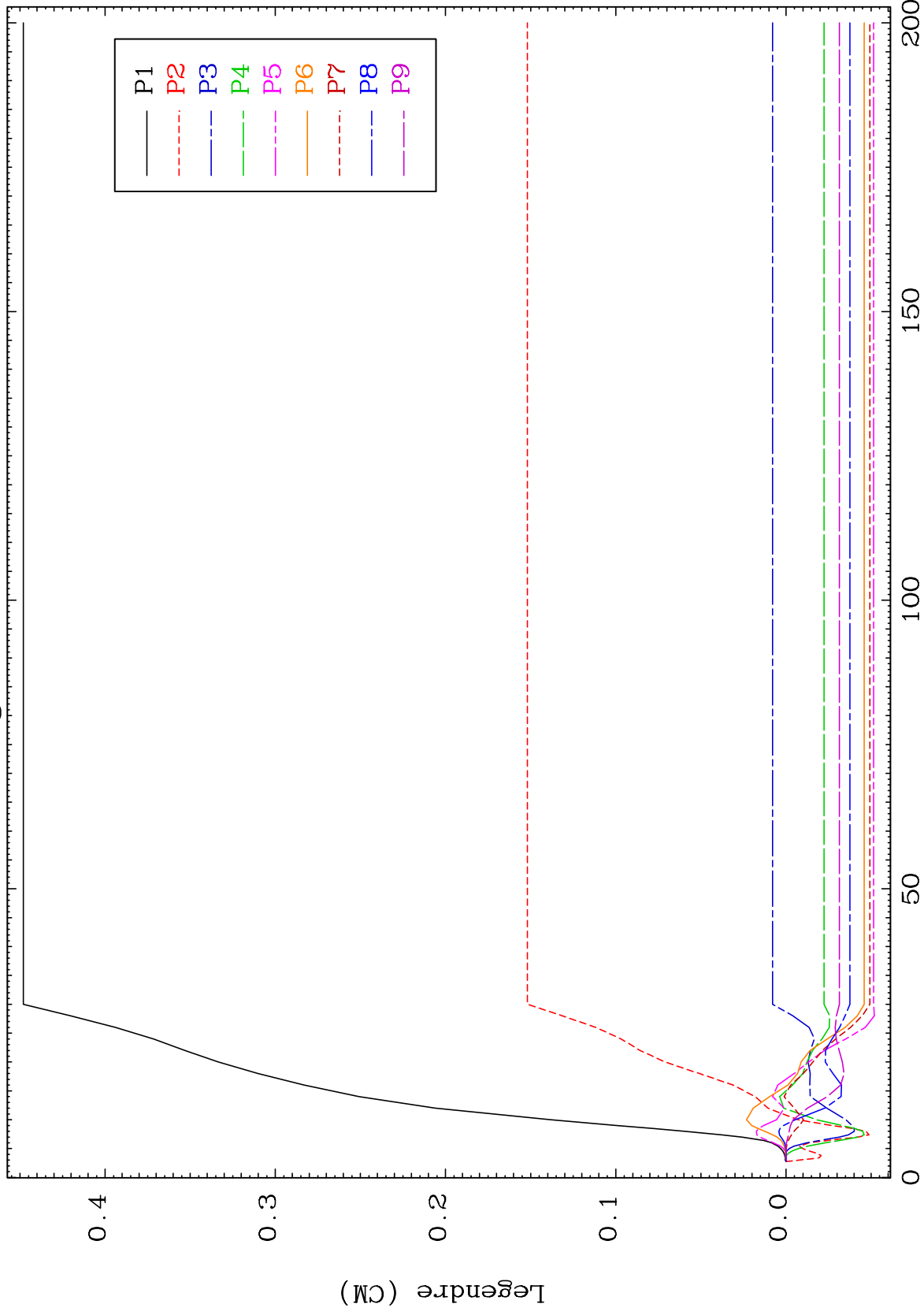




MAT 6225

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

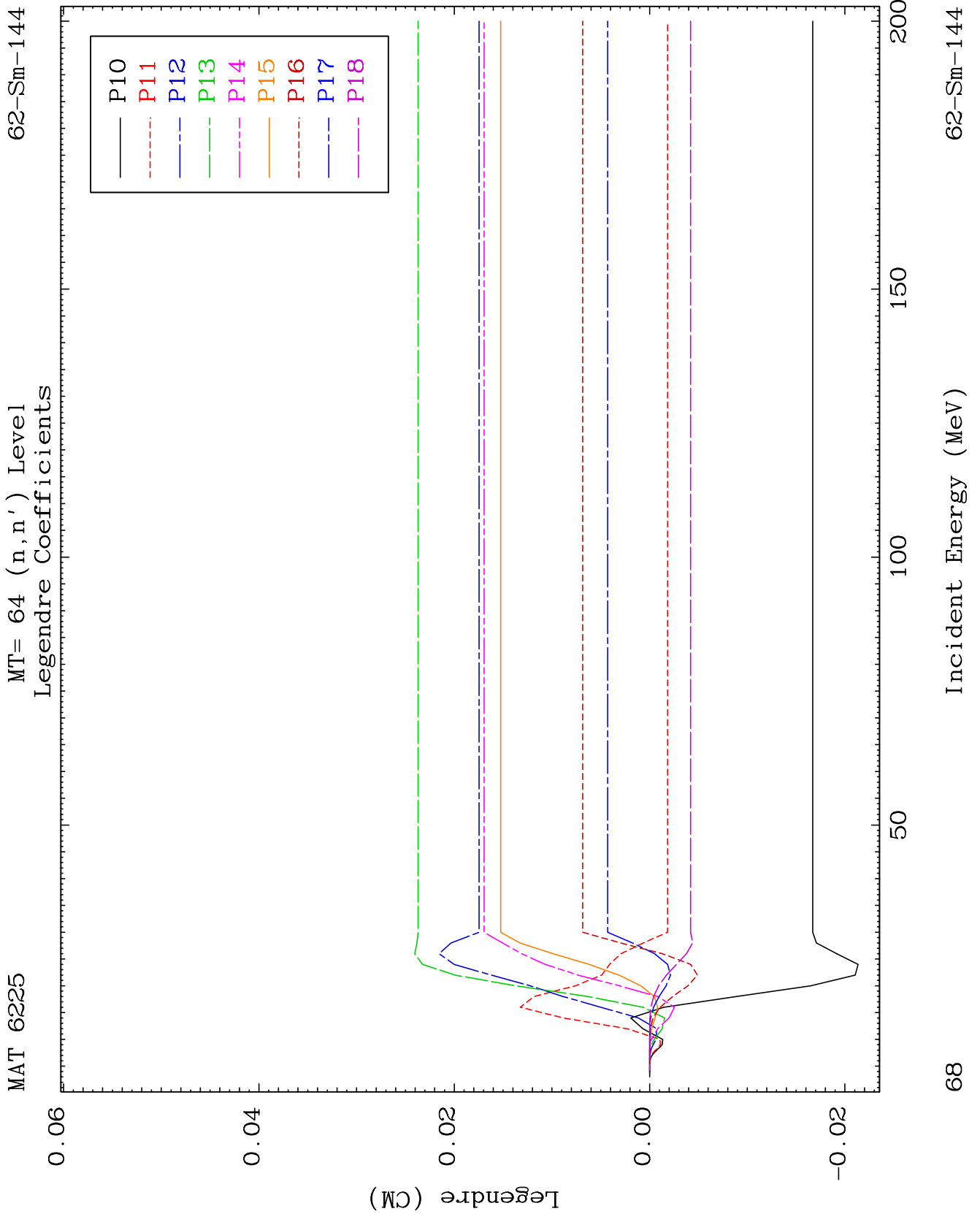
62-Sm-144



62-Sm-144

Incident Energy (MeV)

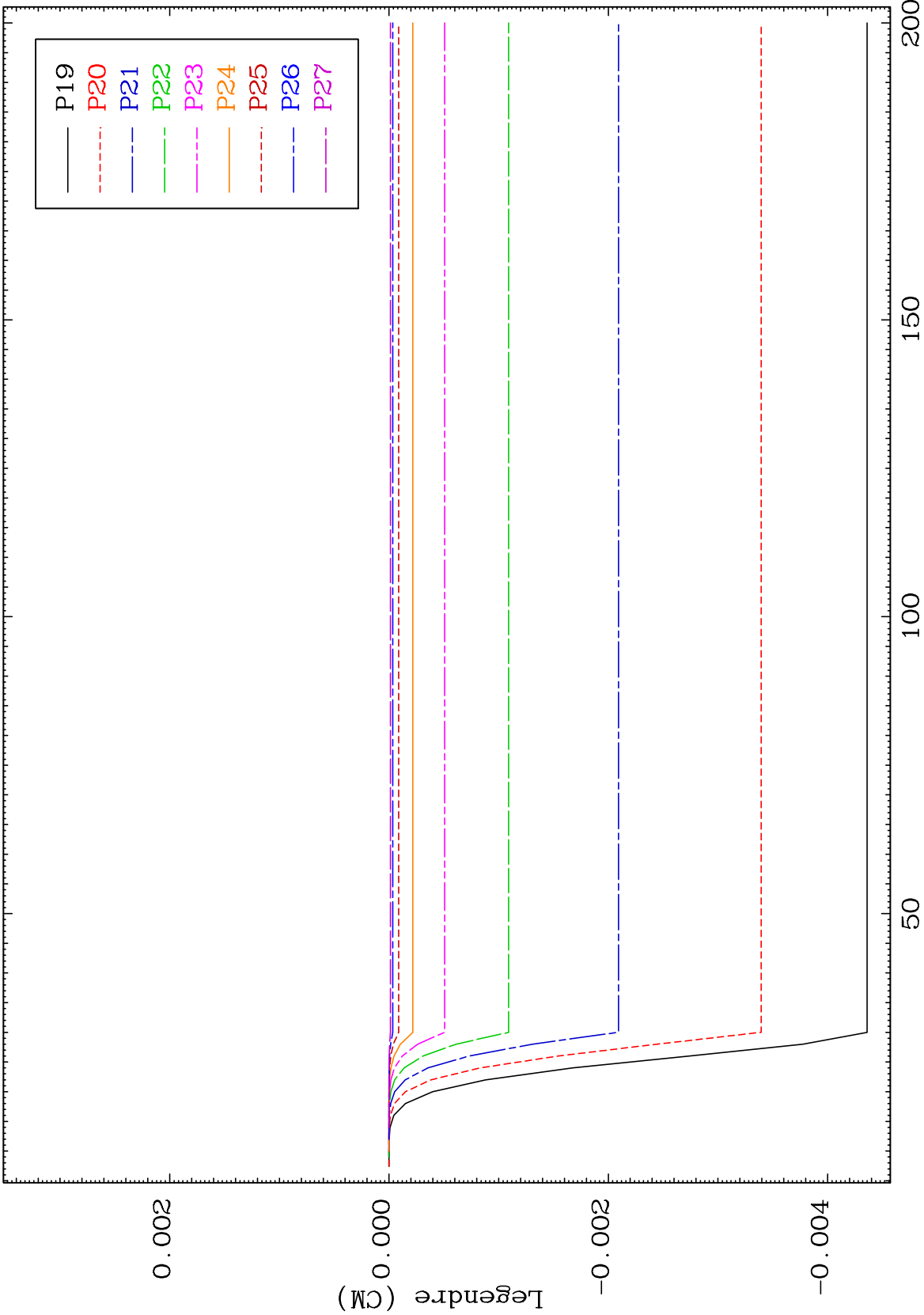
67



MAT 6225

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

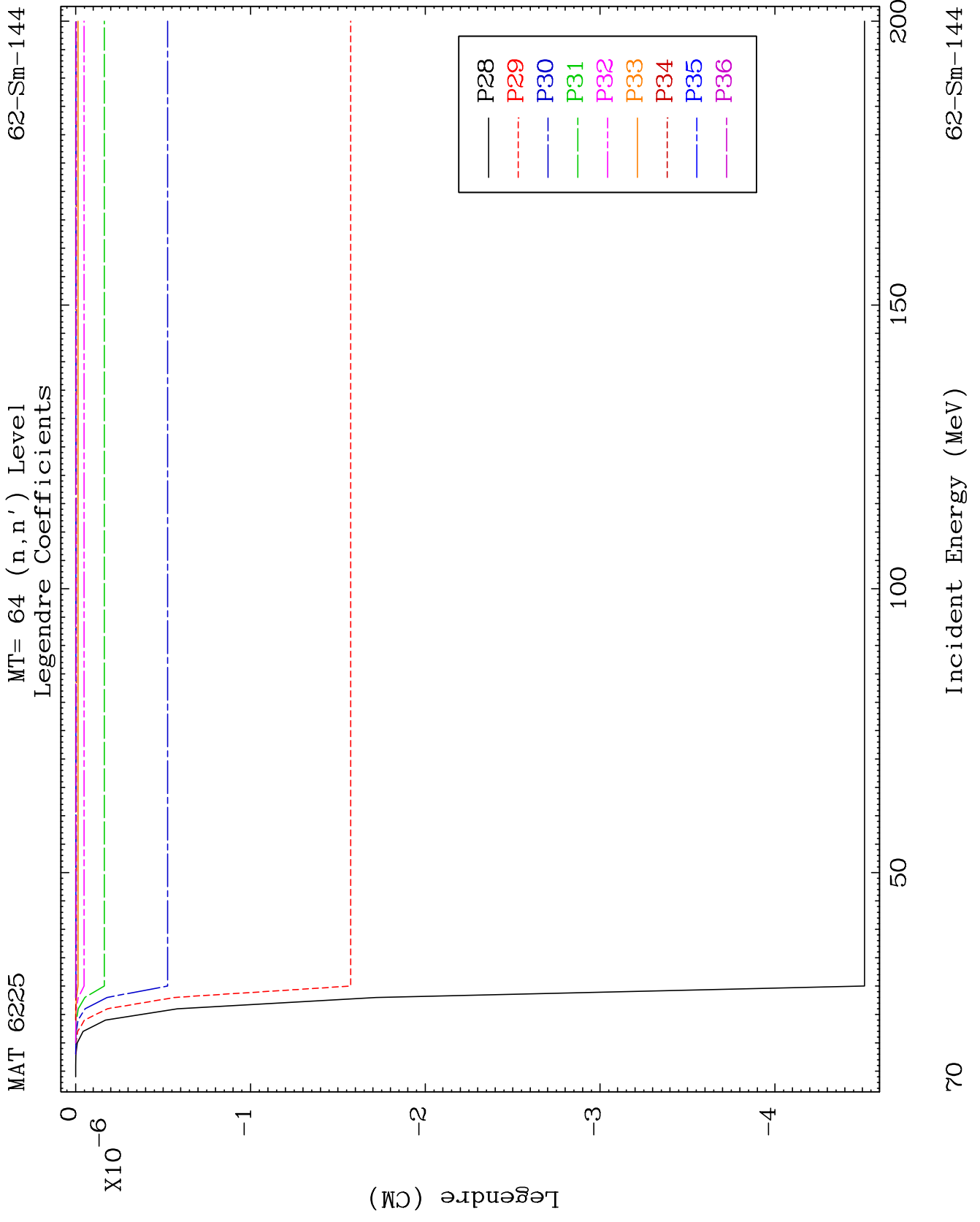
62-Sm-144

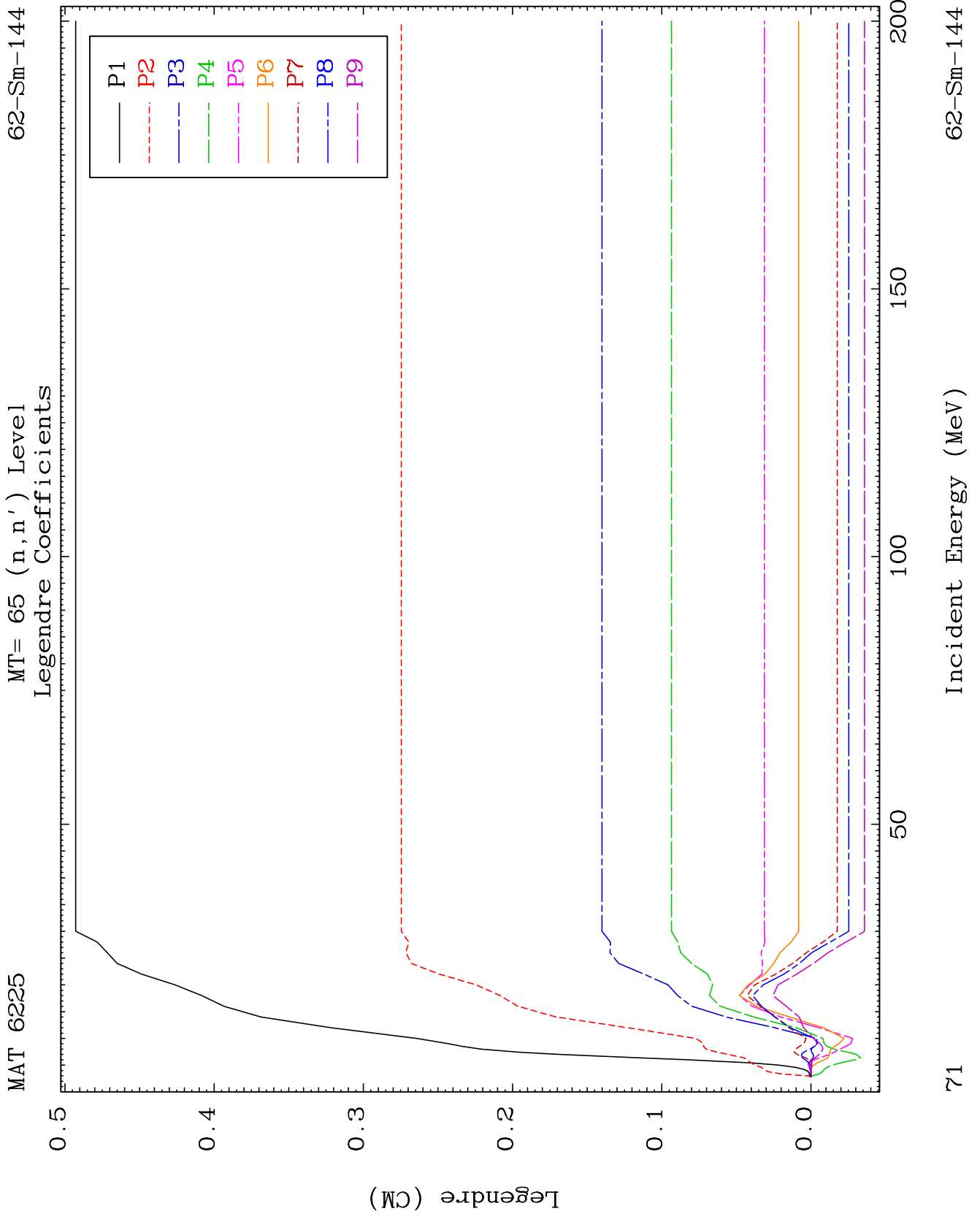


69

Incident Energy (MeV)

62-Sm-144

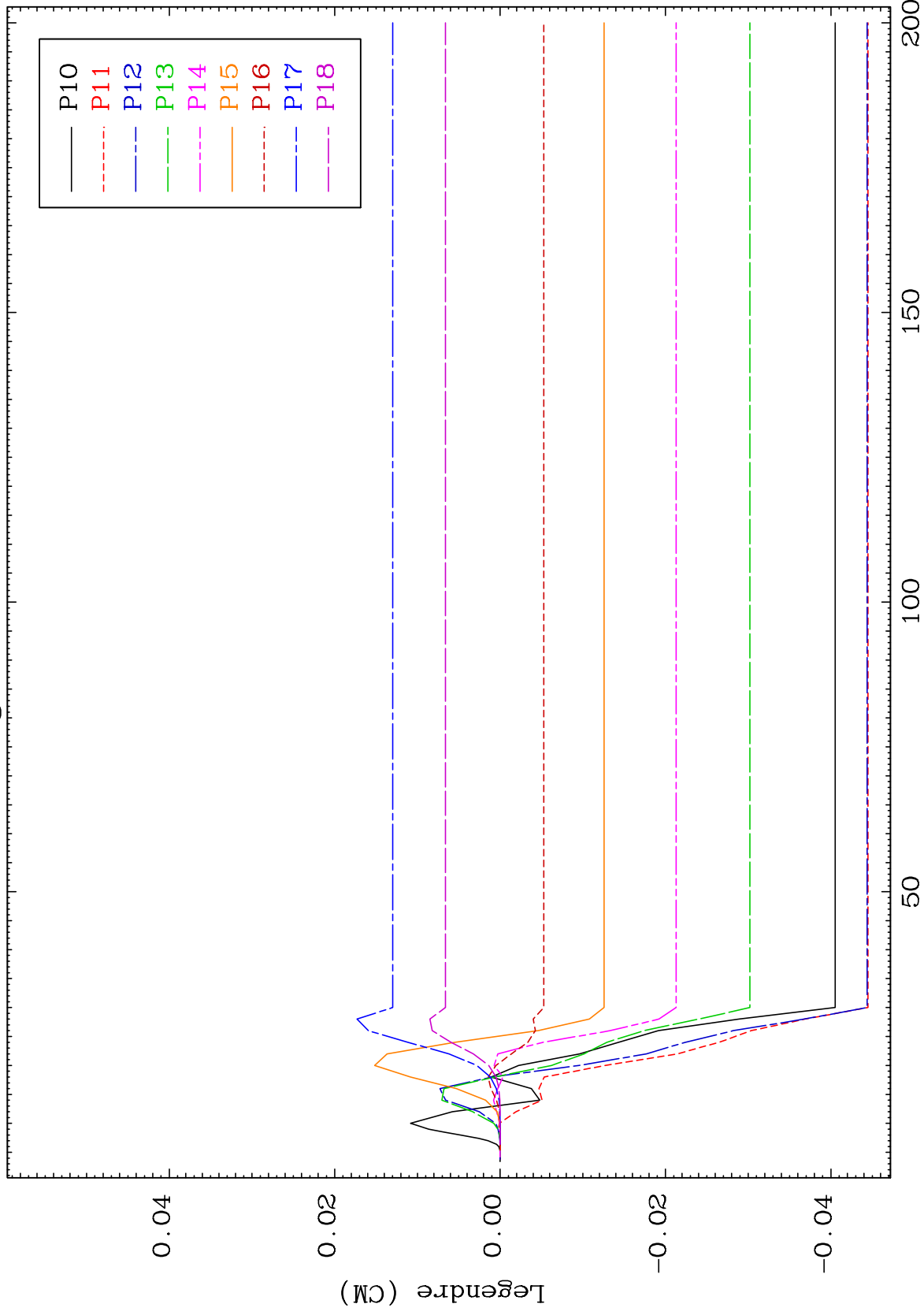




MAT 6225

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

62-Sm-144



72

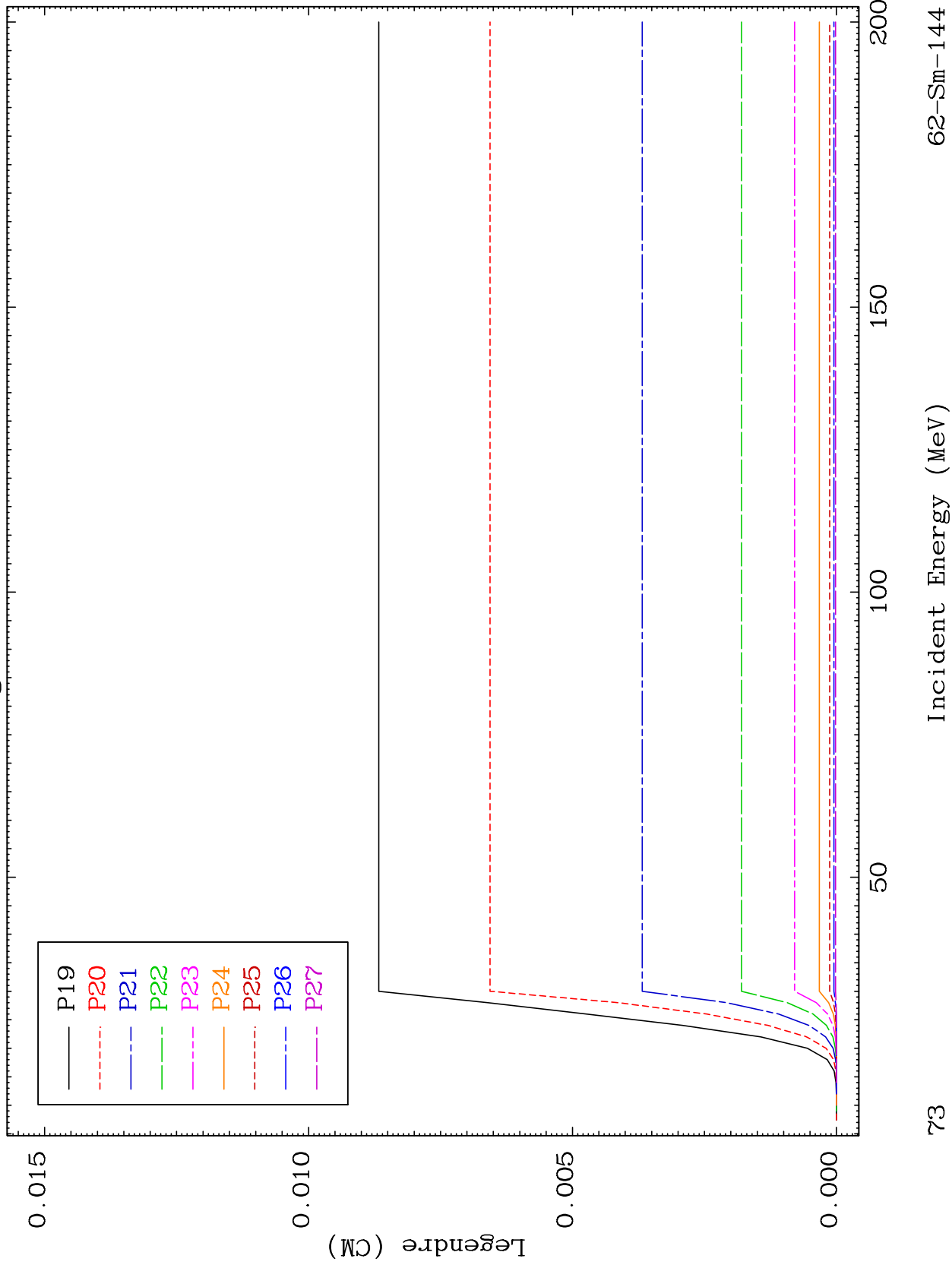
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

62-Sm-144



73

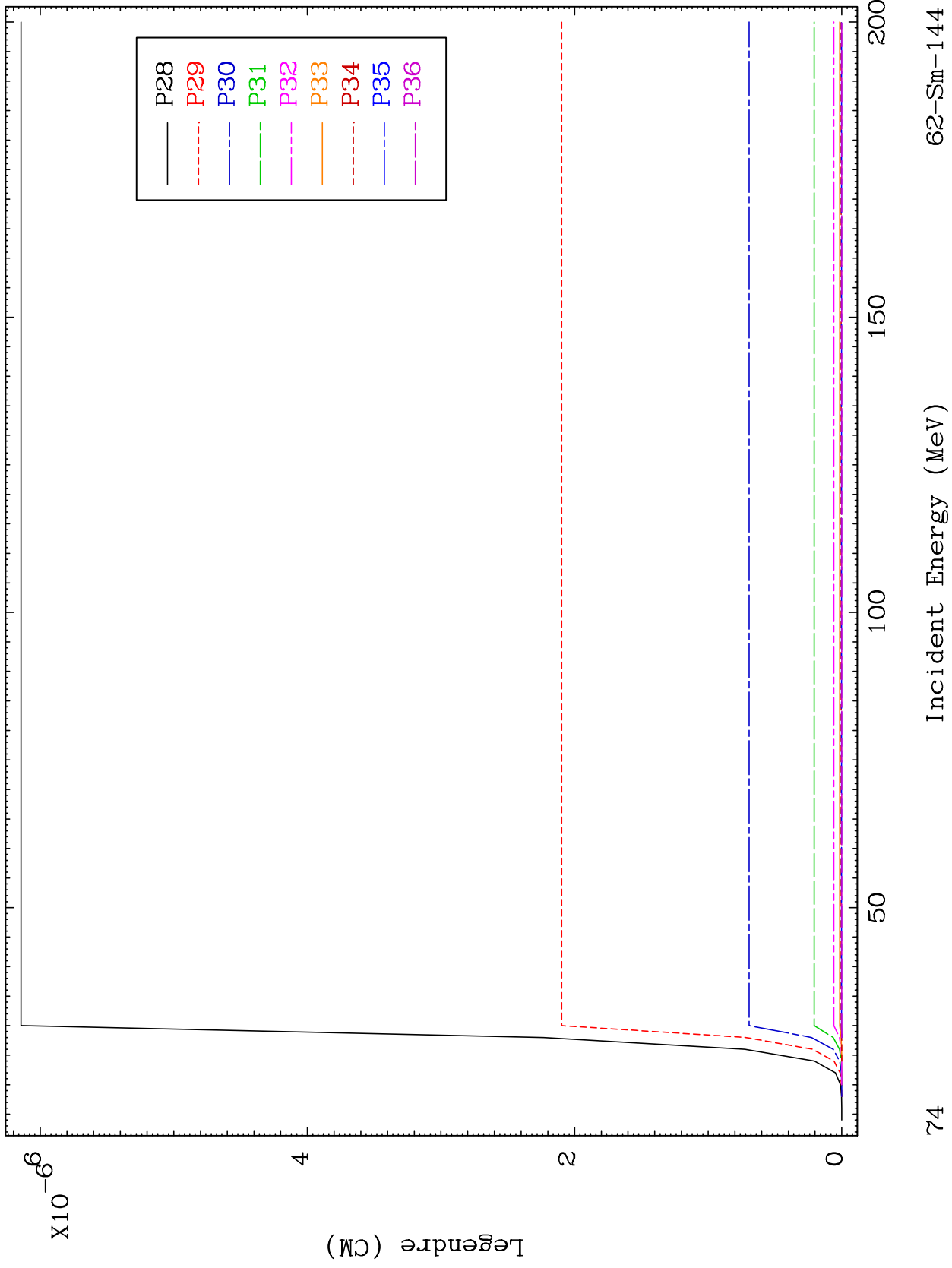
Incident Energy (MeV)

62-Sm-144

MAT 6225

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

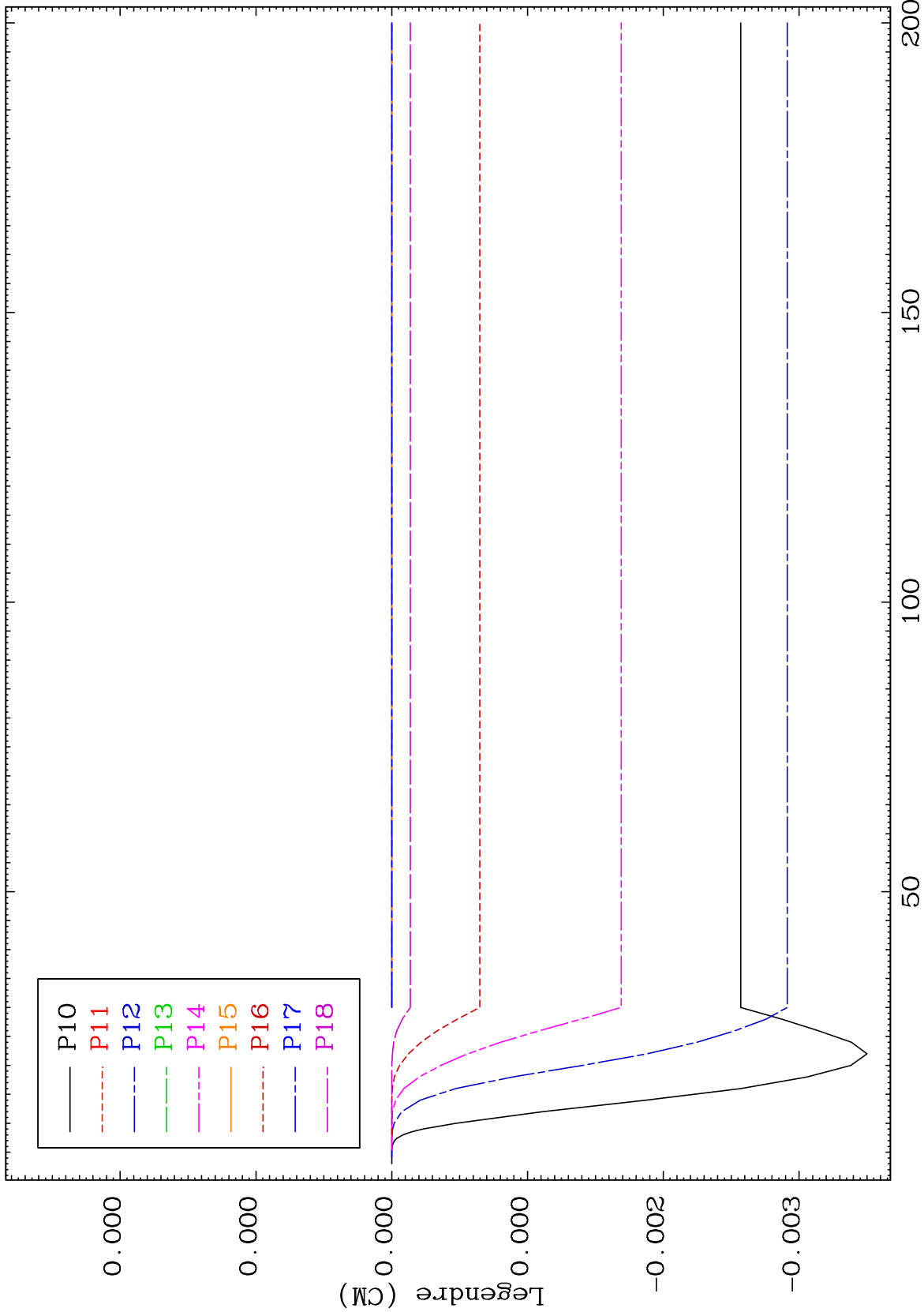
62-Sm-144



MAT 6225

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

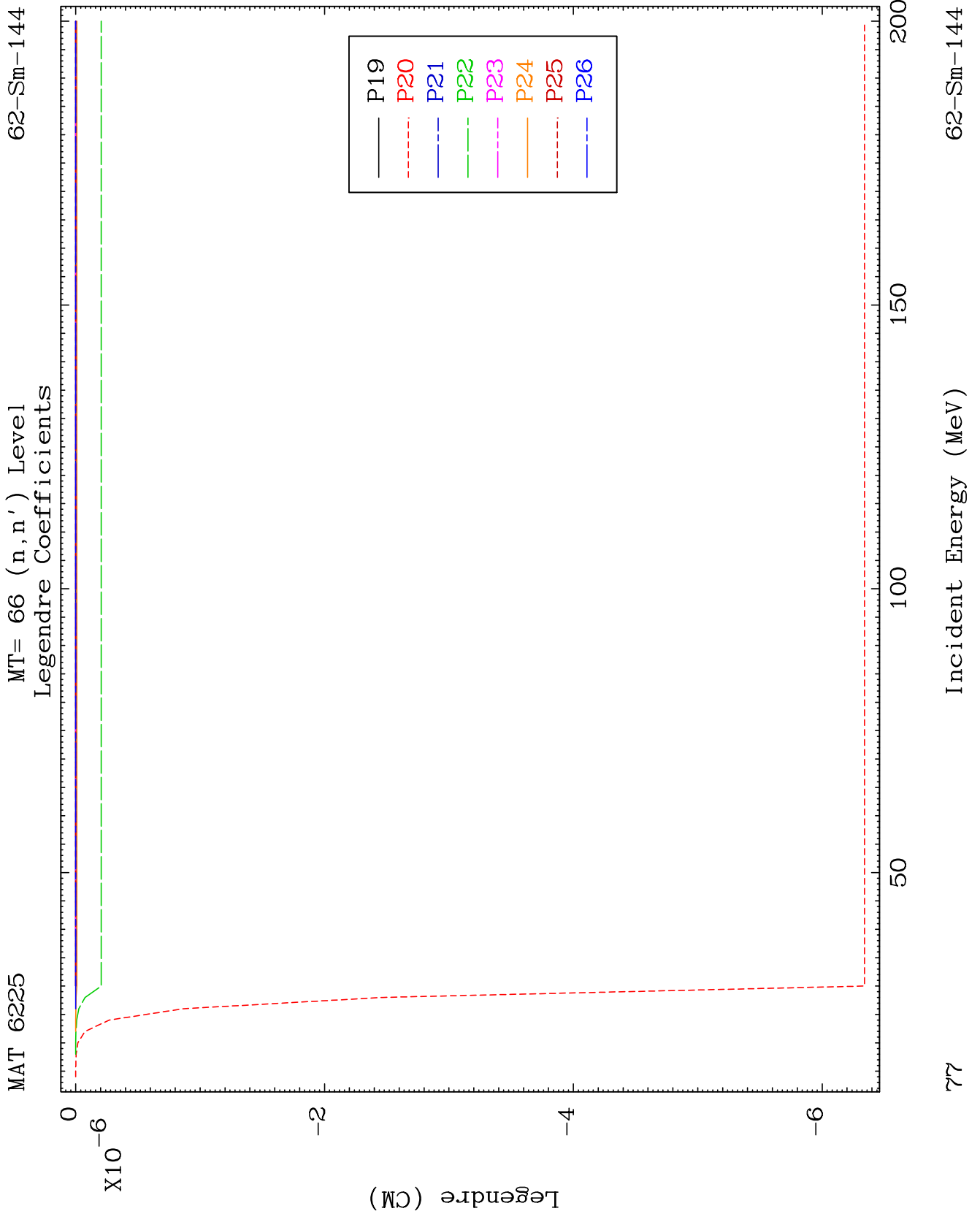
62-Sm-144

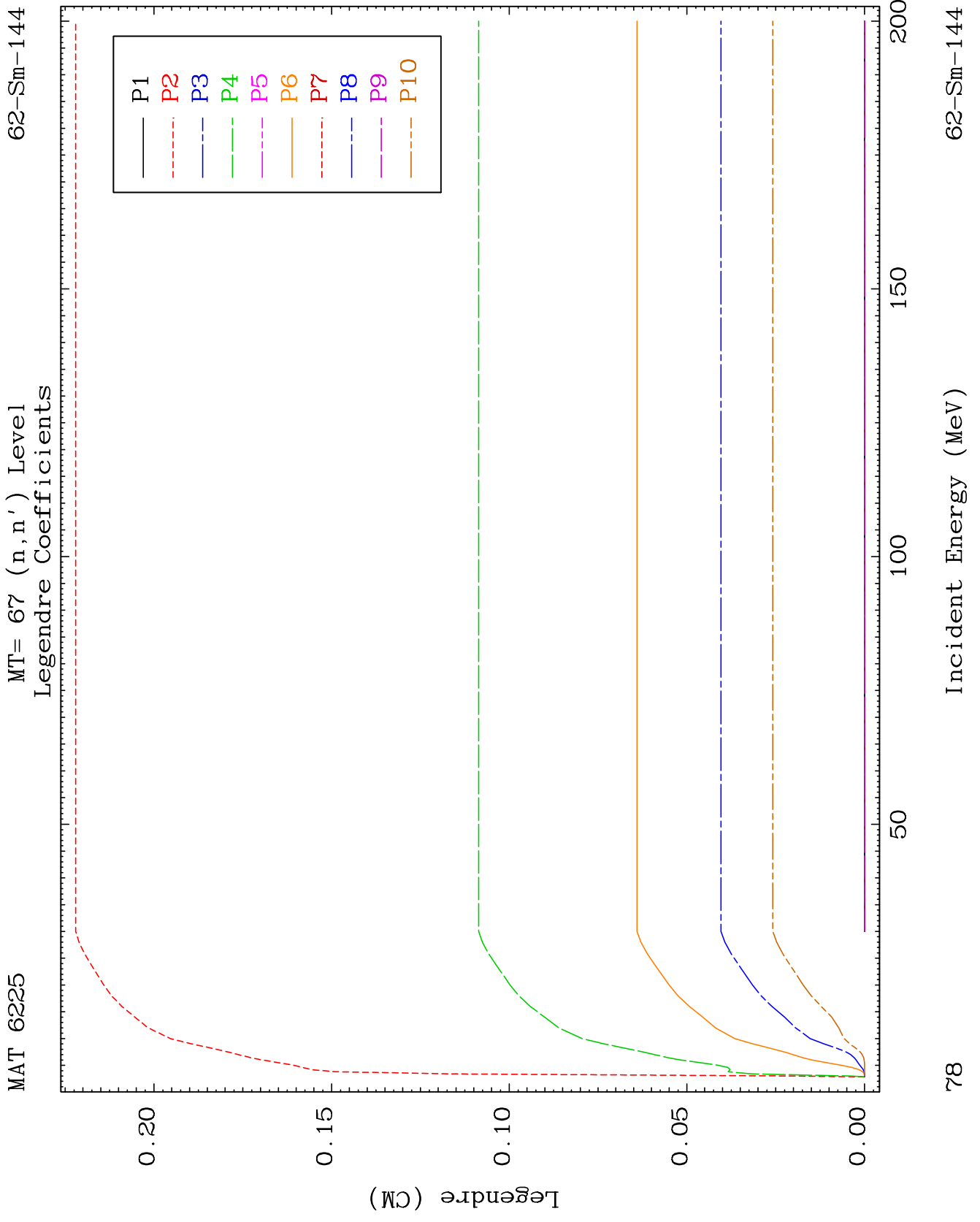


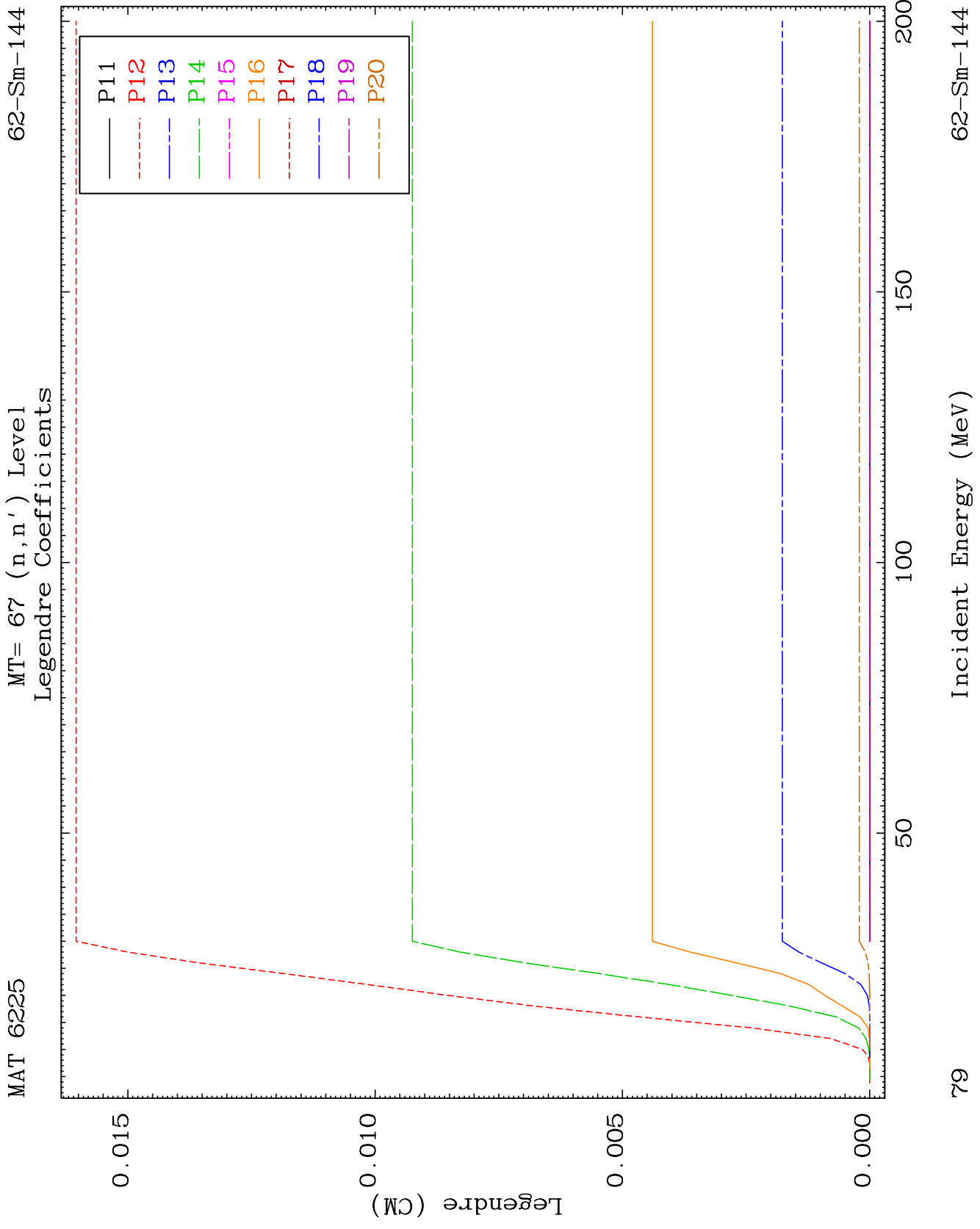
76

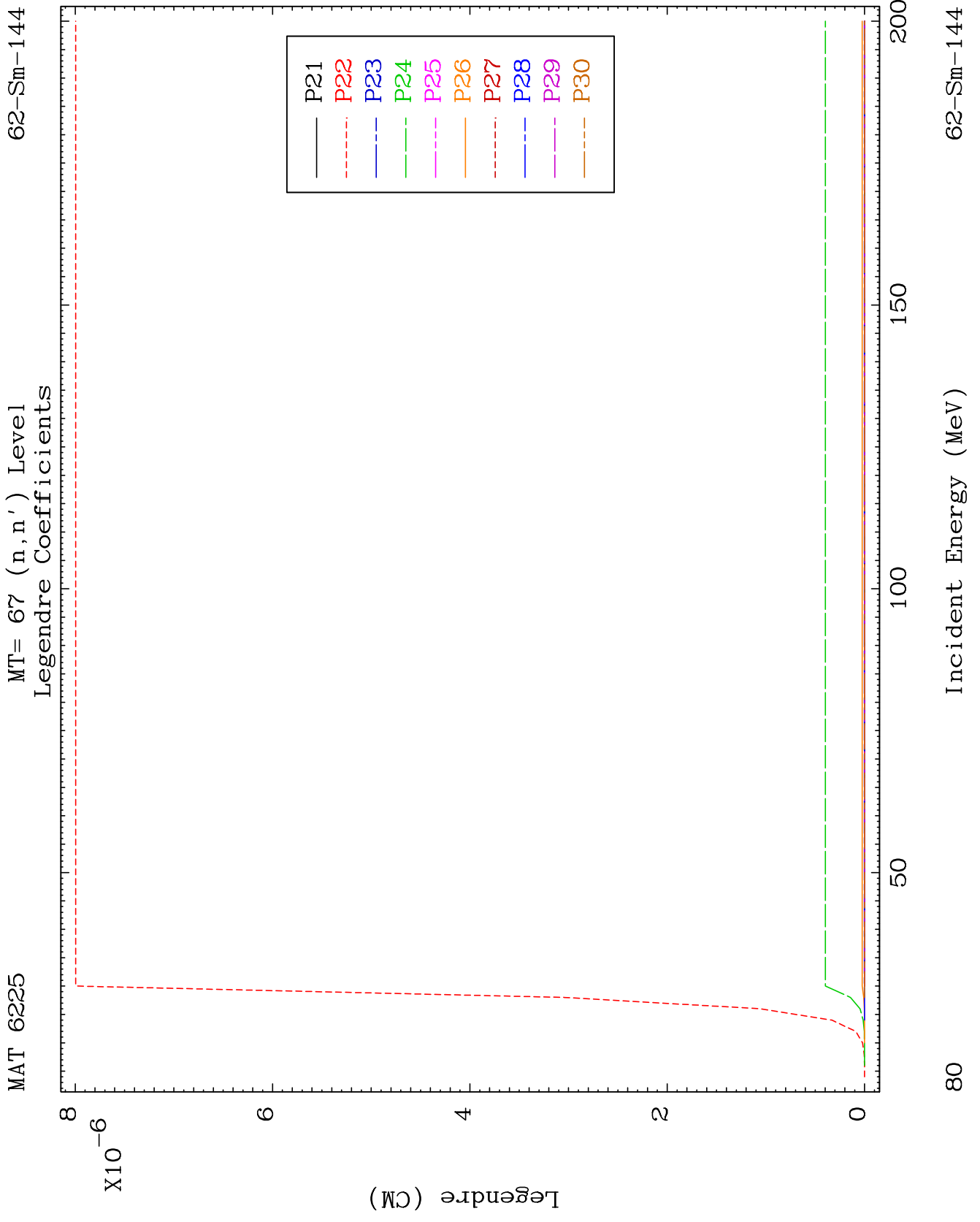
Incident Energy (MeV)

62-Sm-144





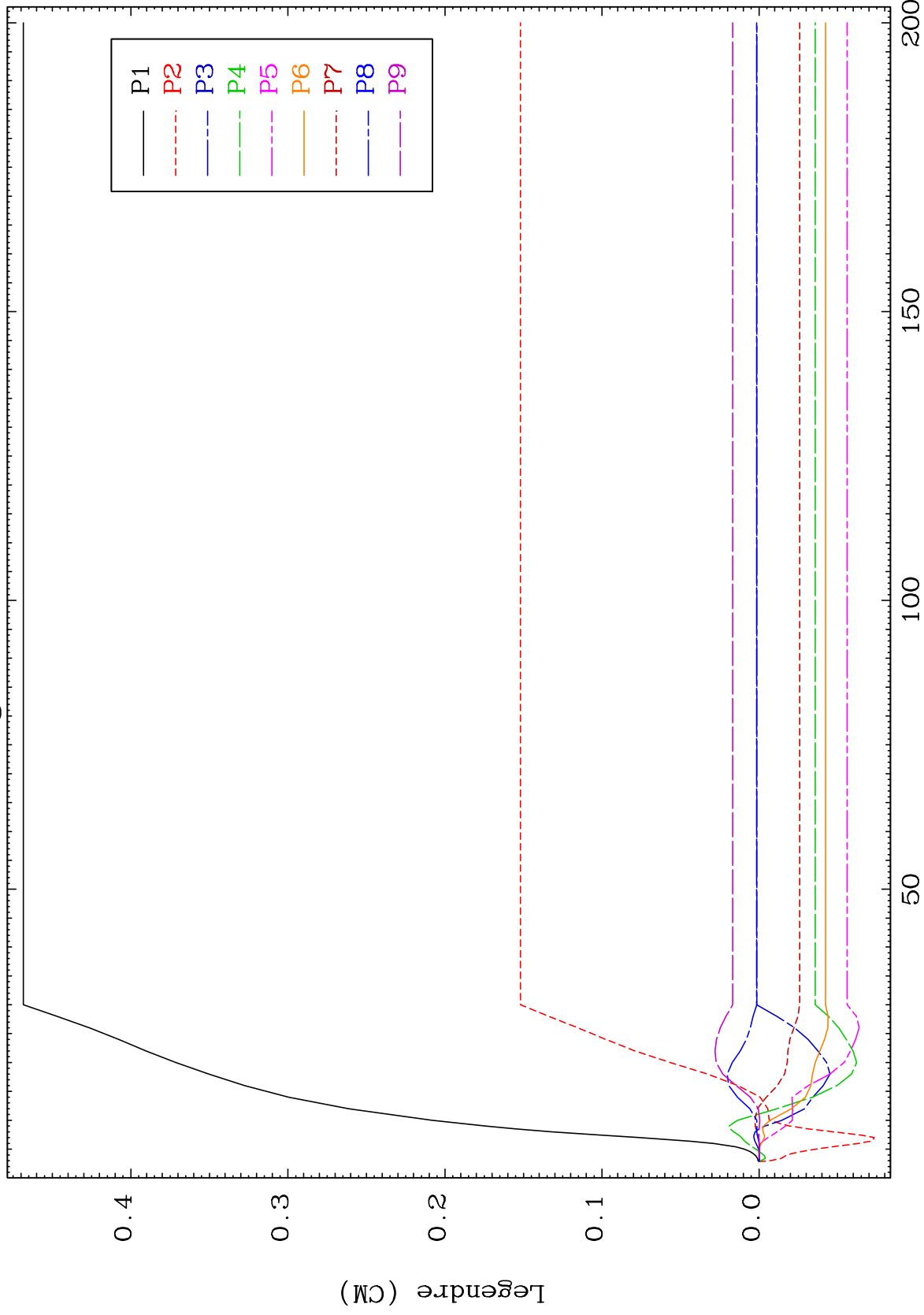




MAT 6225

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

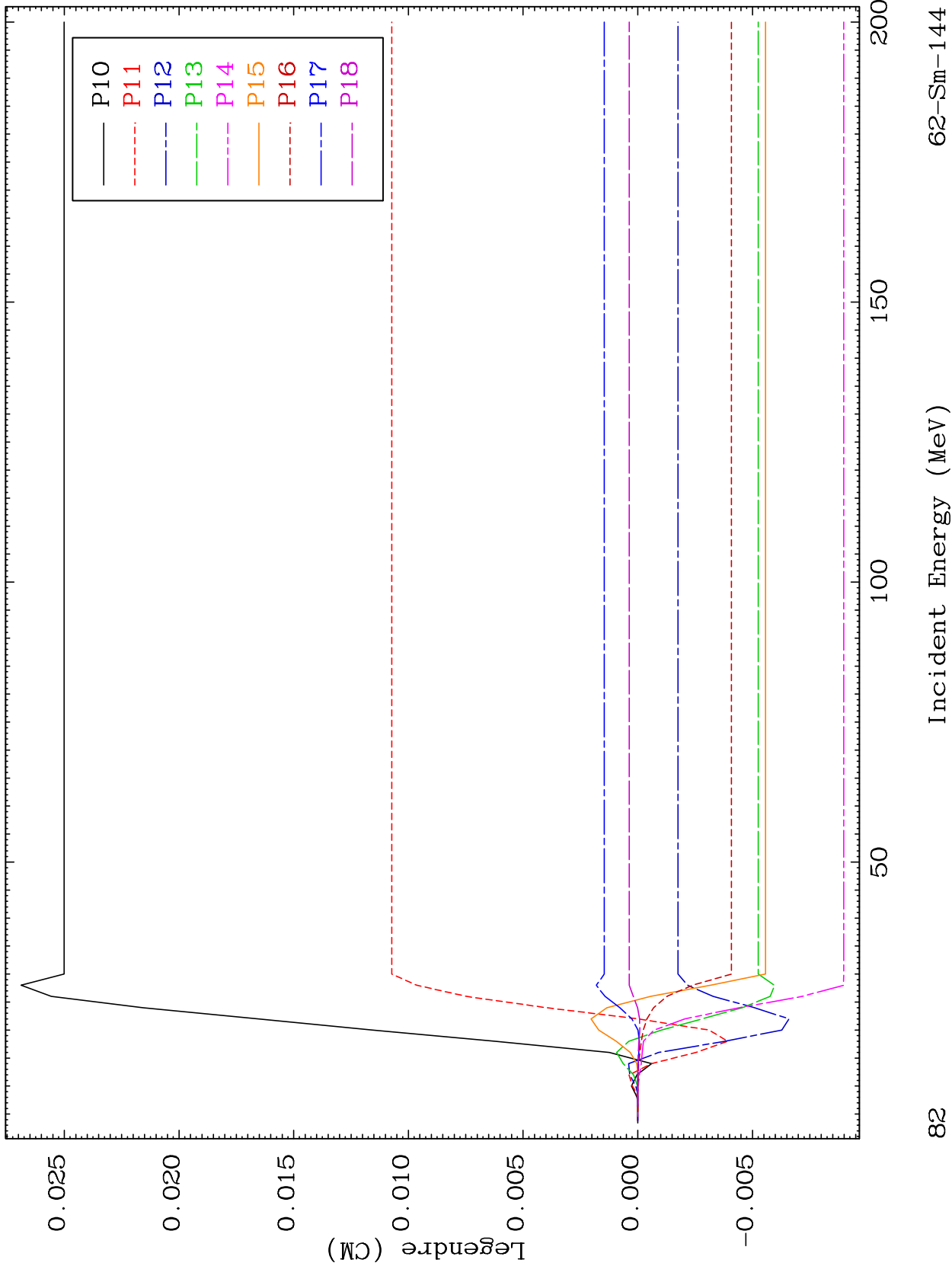
62-Sm-144



81

Incident Energy (MeV)

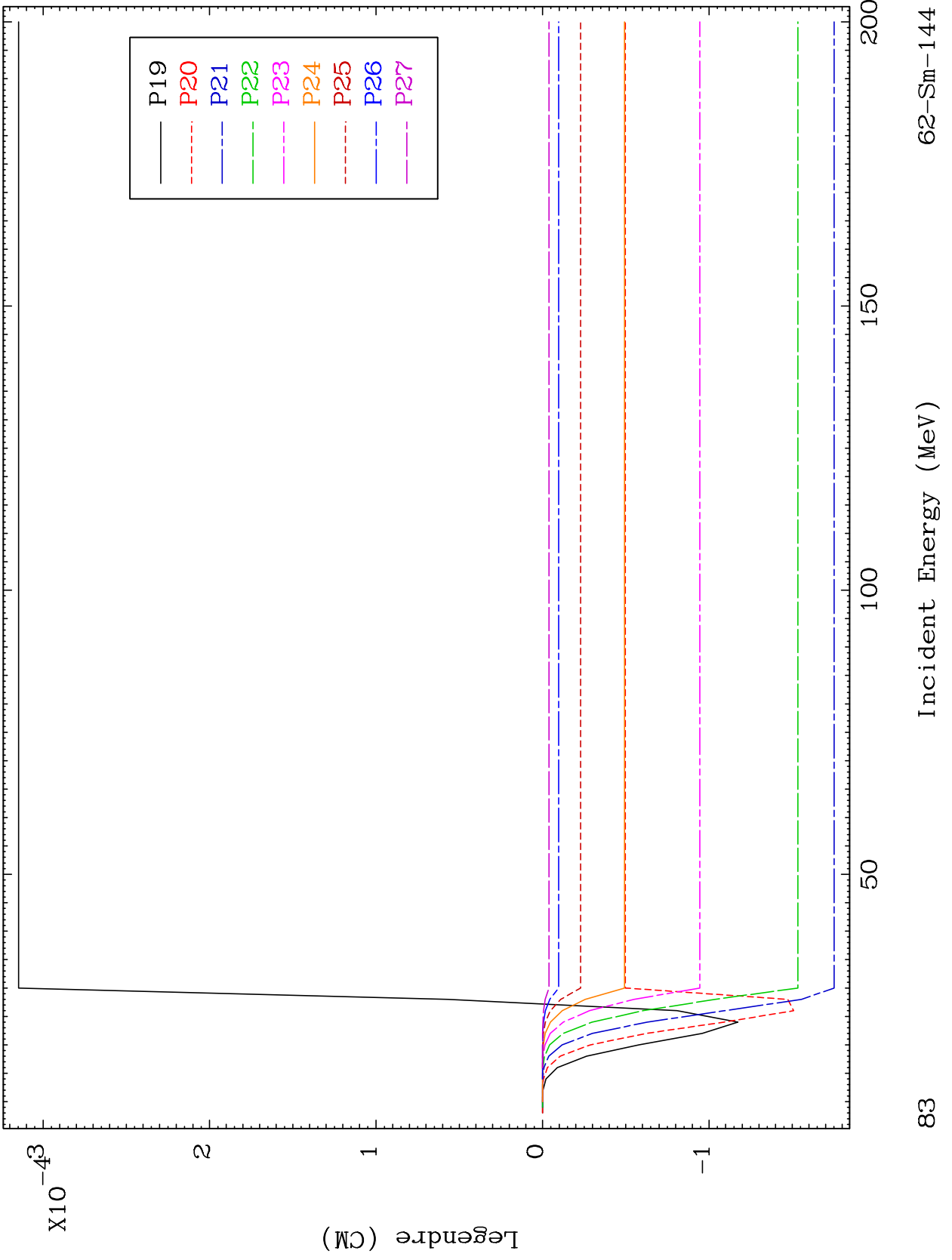
62-Sm-144

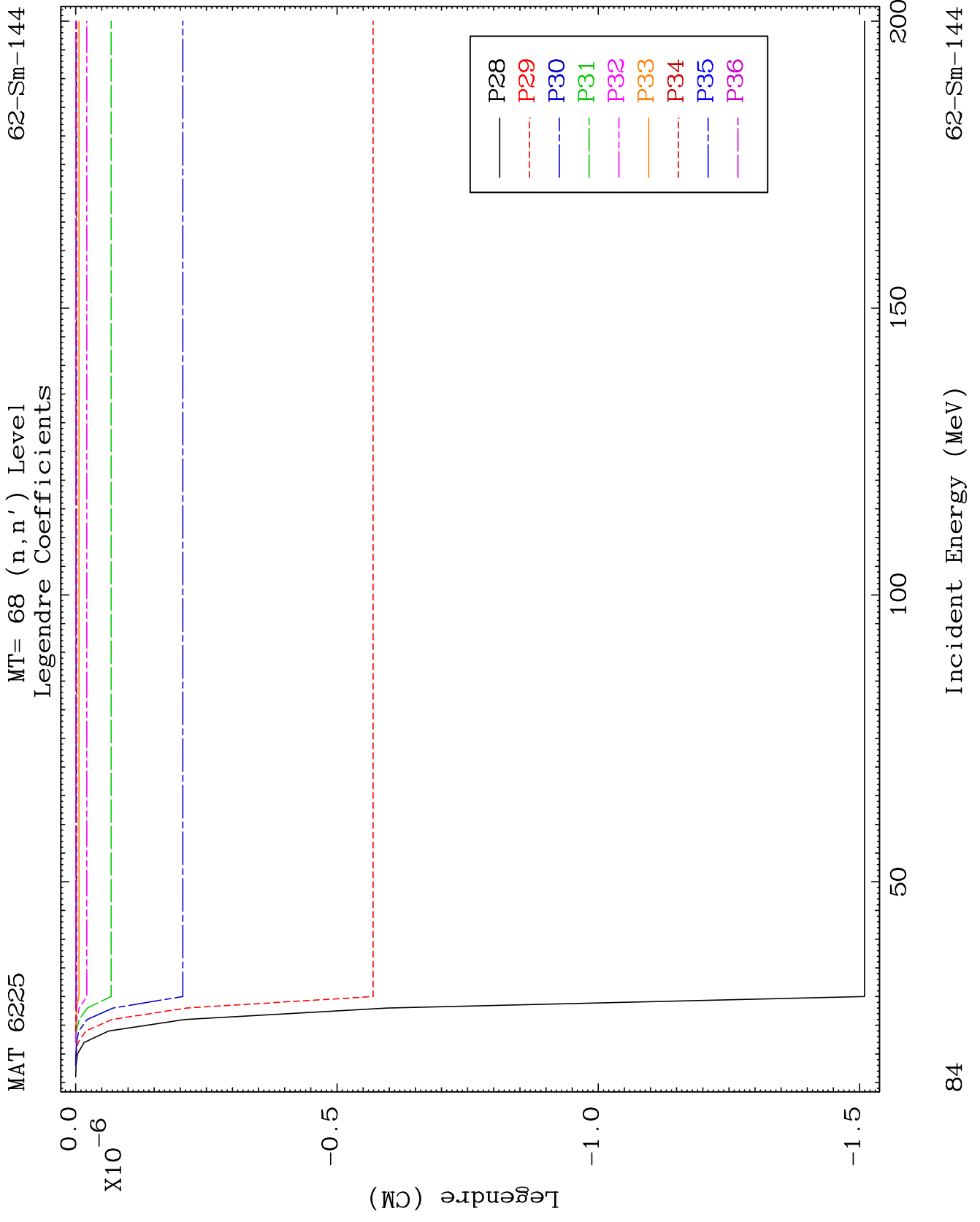


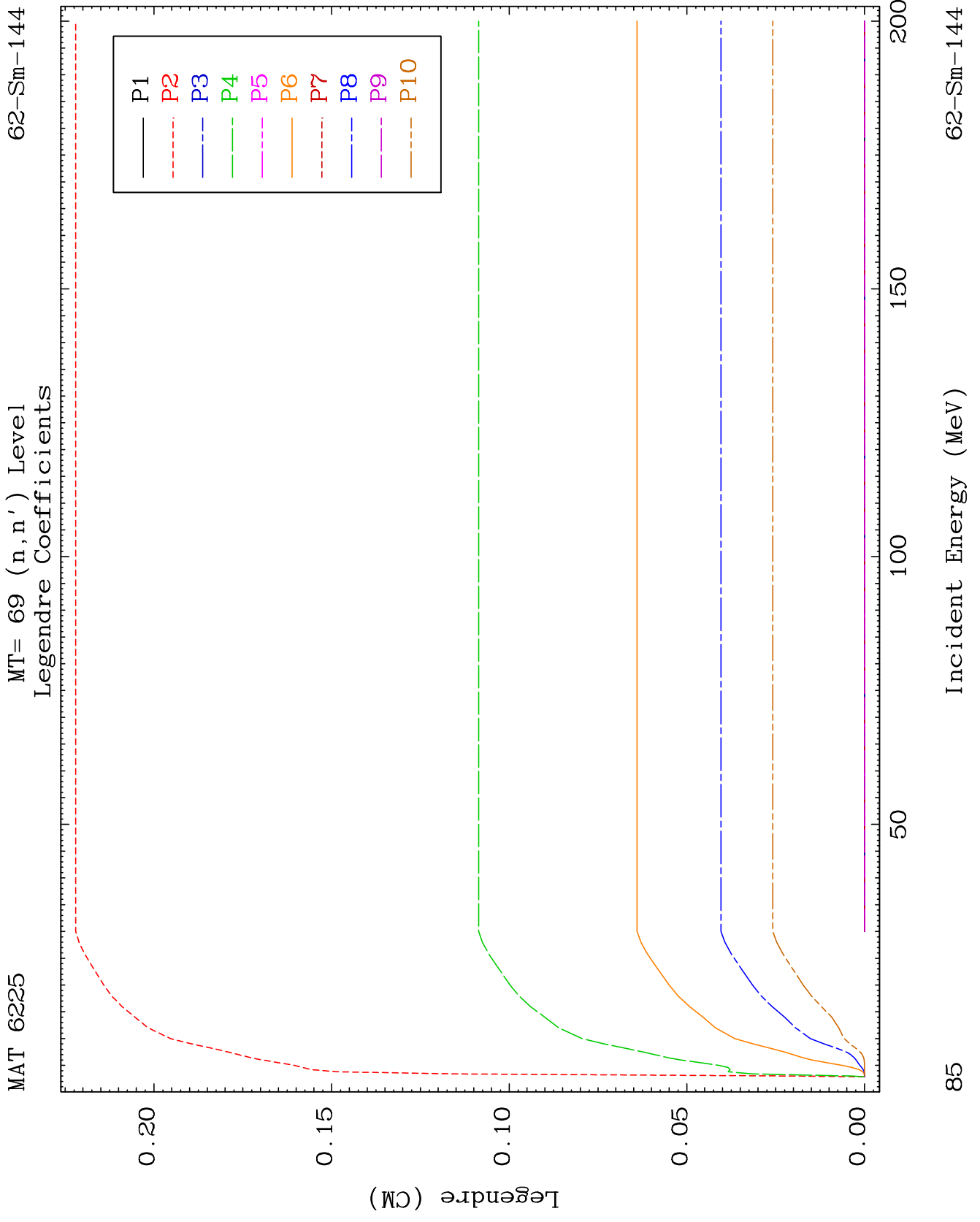
MAT 6225

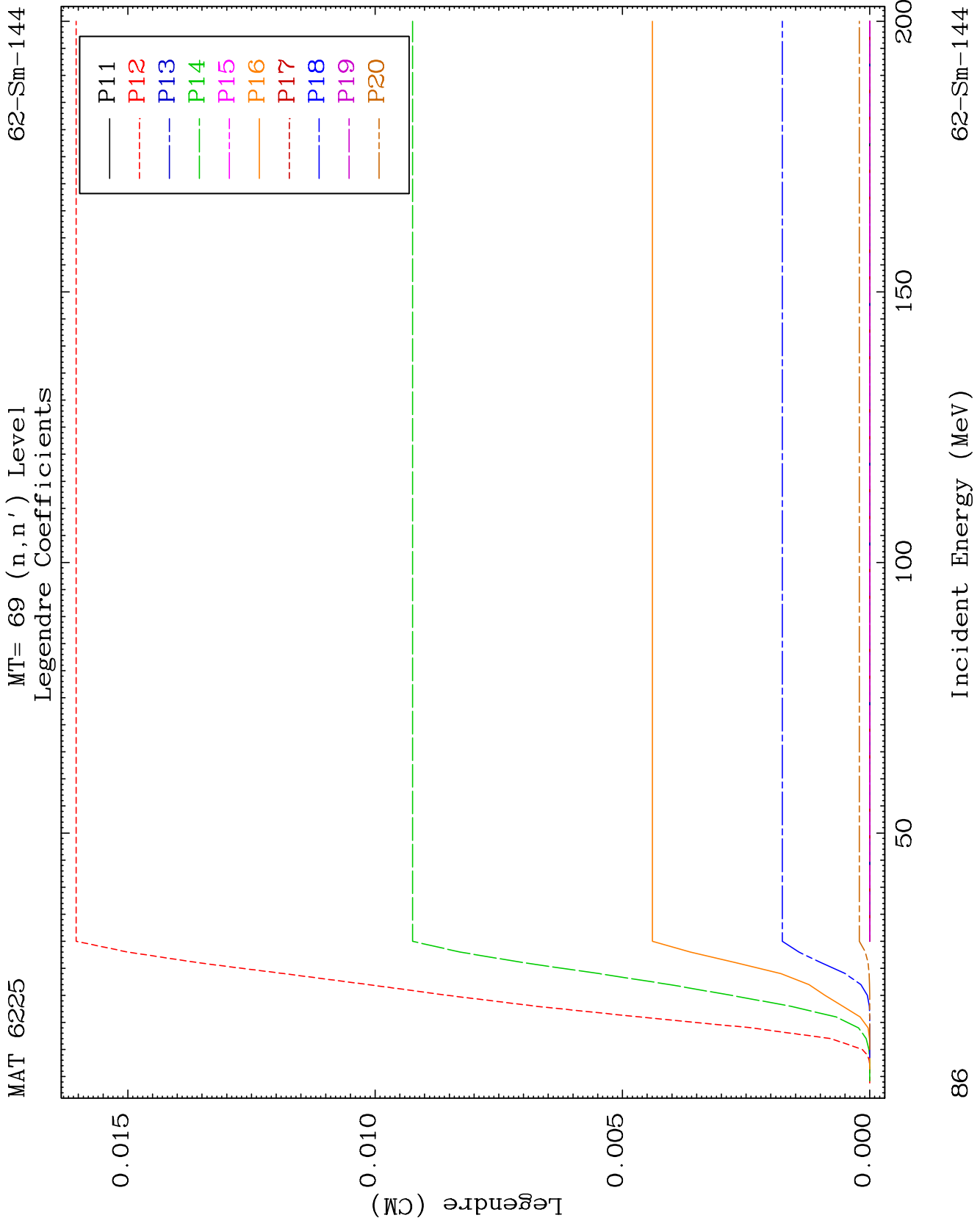
MT= 68 (n,n') Level
Legendre Coefficients

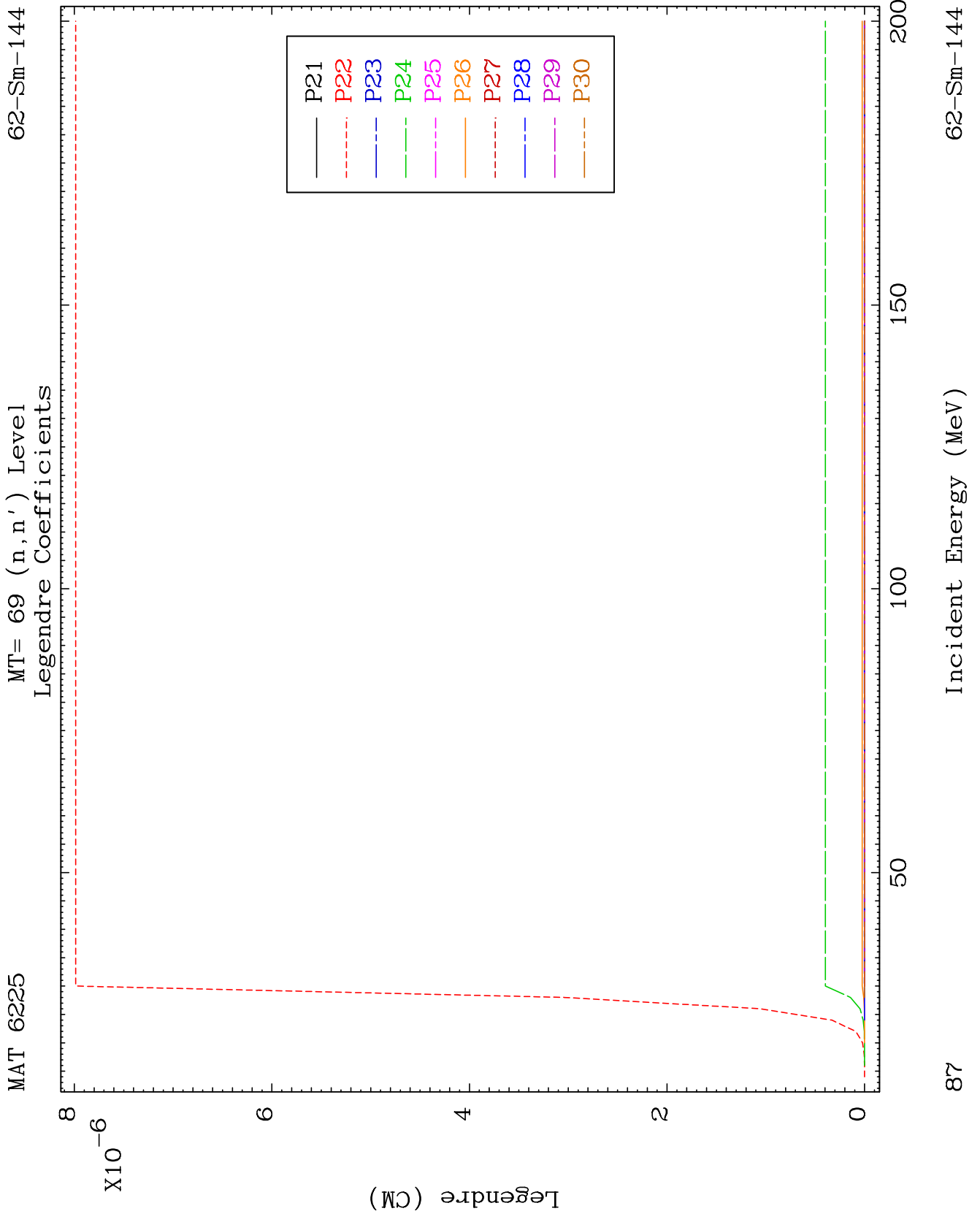
62-Sm-144







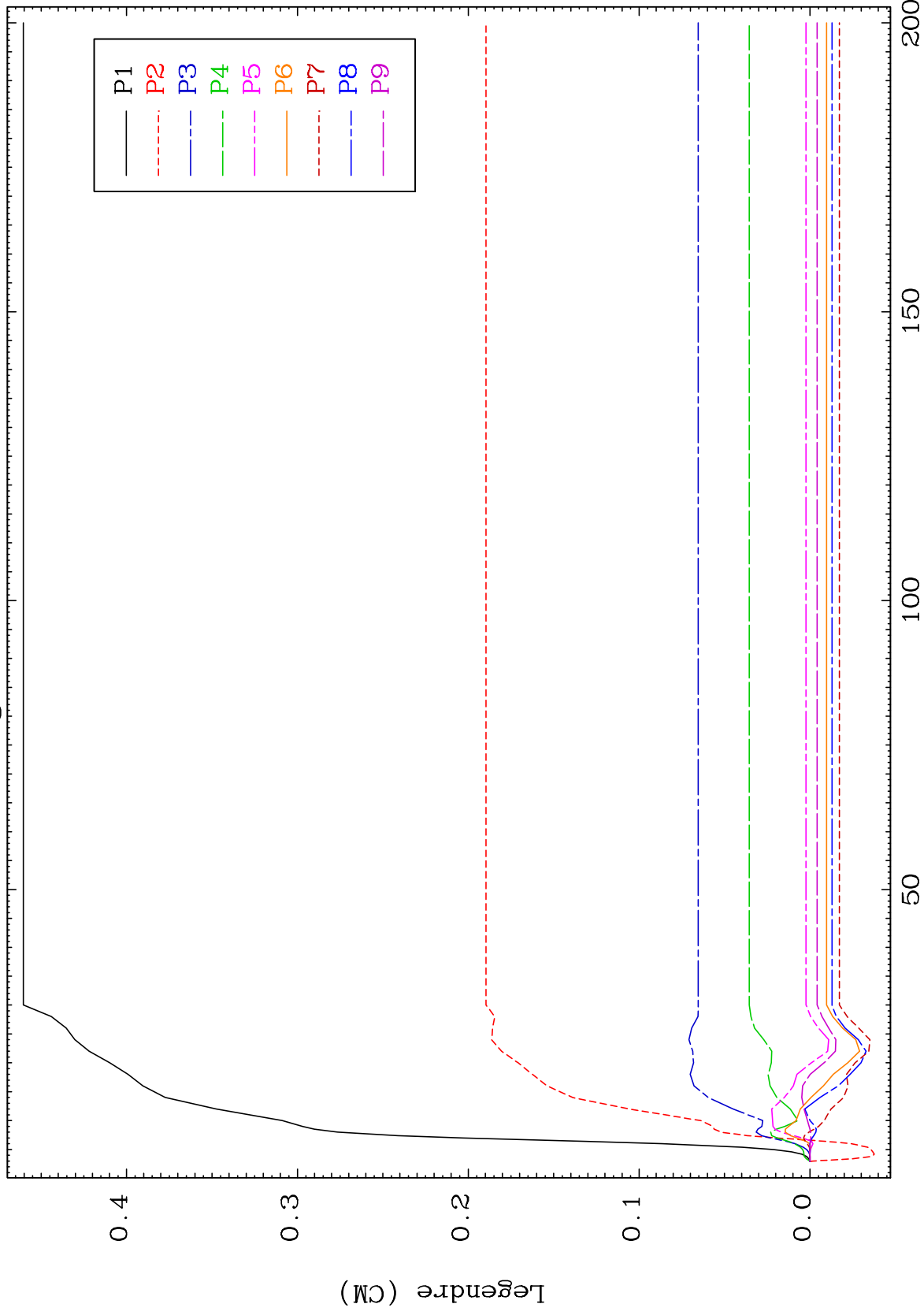




MAT 6225

MT= 70 (n,n') Level
Legendre Coefficients

62-Sm-144



88

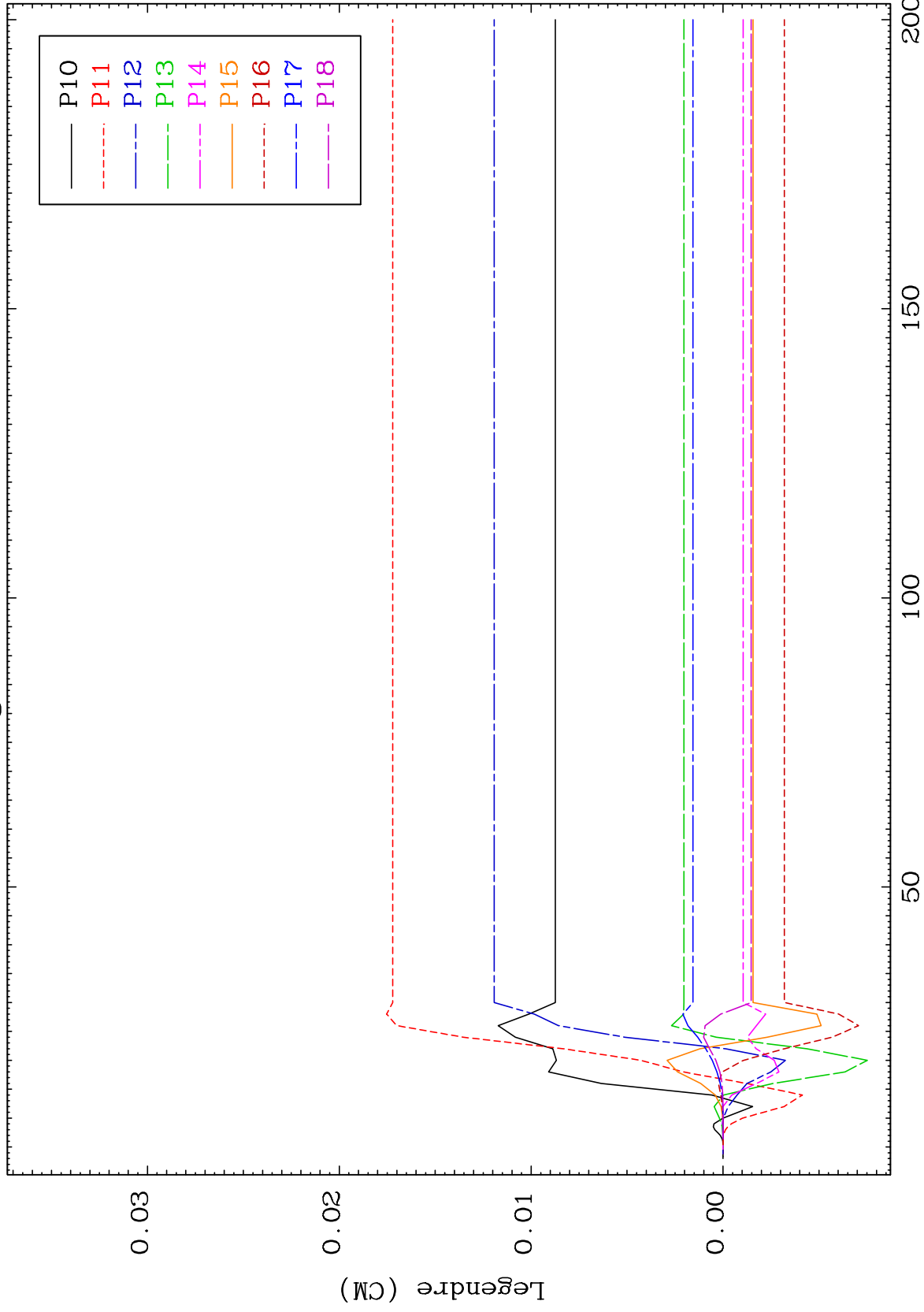
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 70 (n,n') Level
Legendre Coefficients

62-Sm-144



89

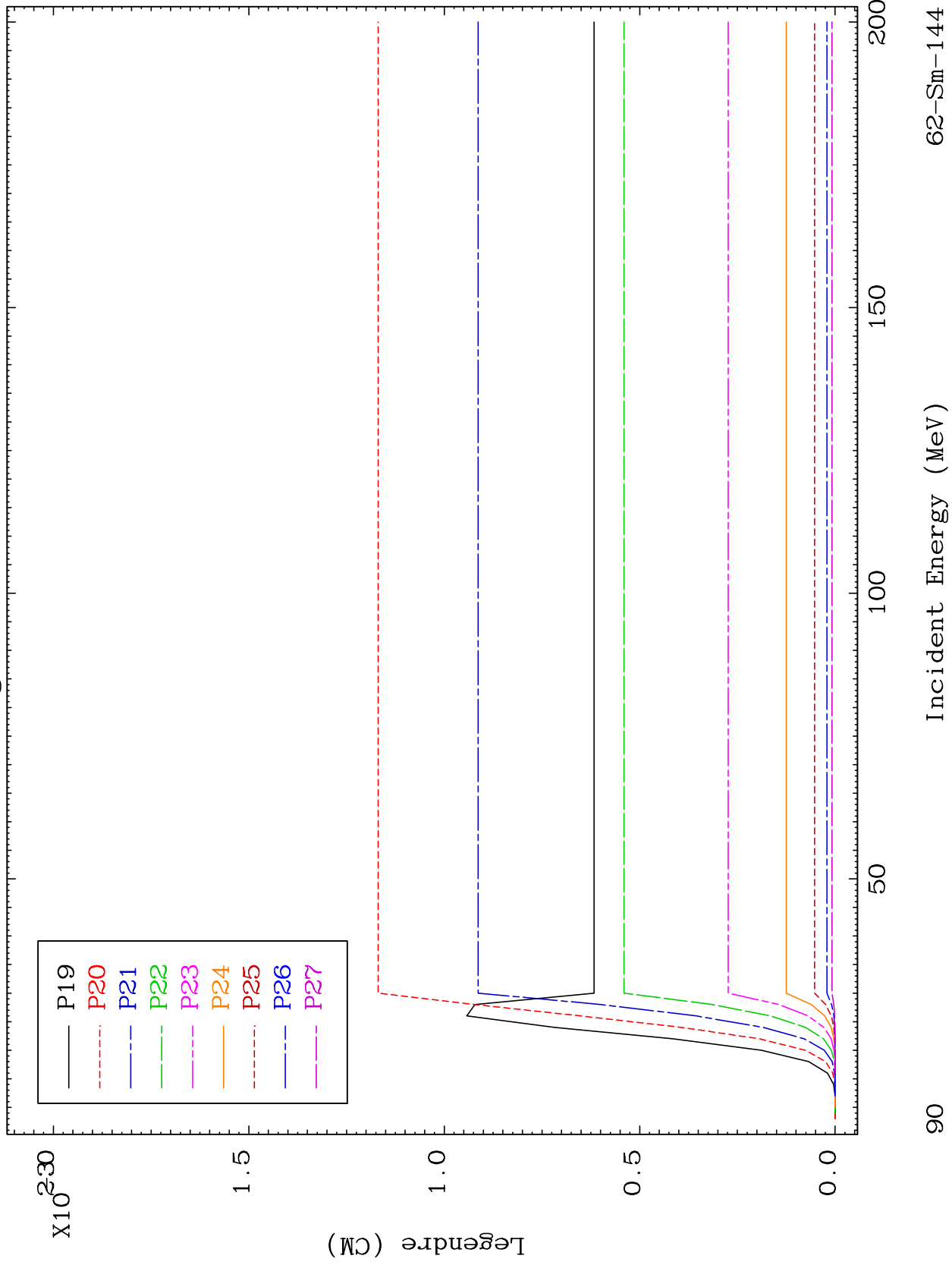
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 70 (n,n') Level
Legendre Coefficients

62-Sm-144



62-Sm-144

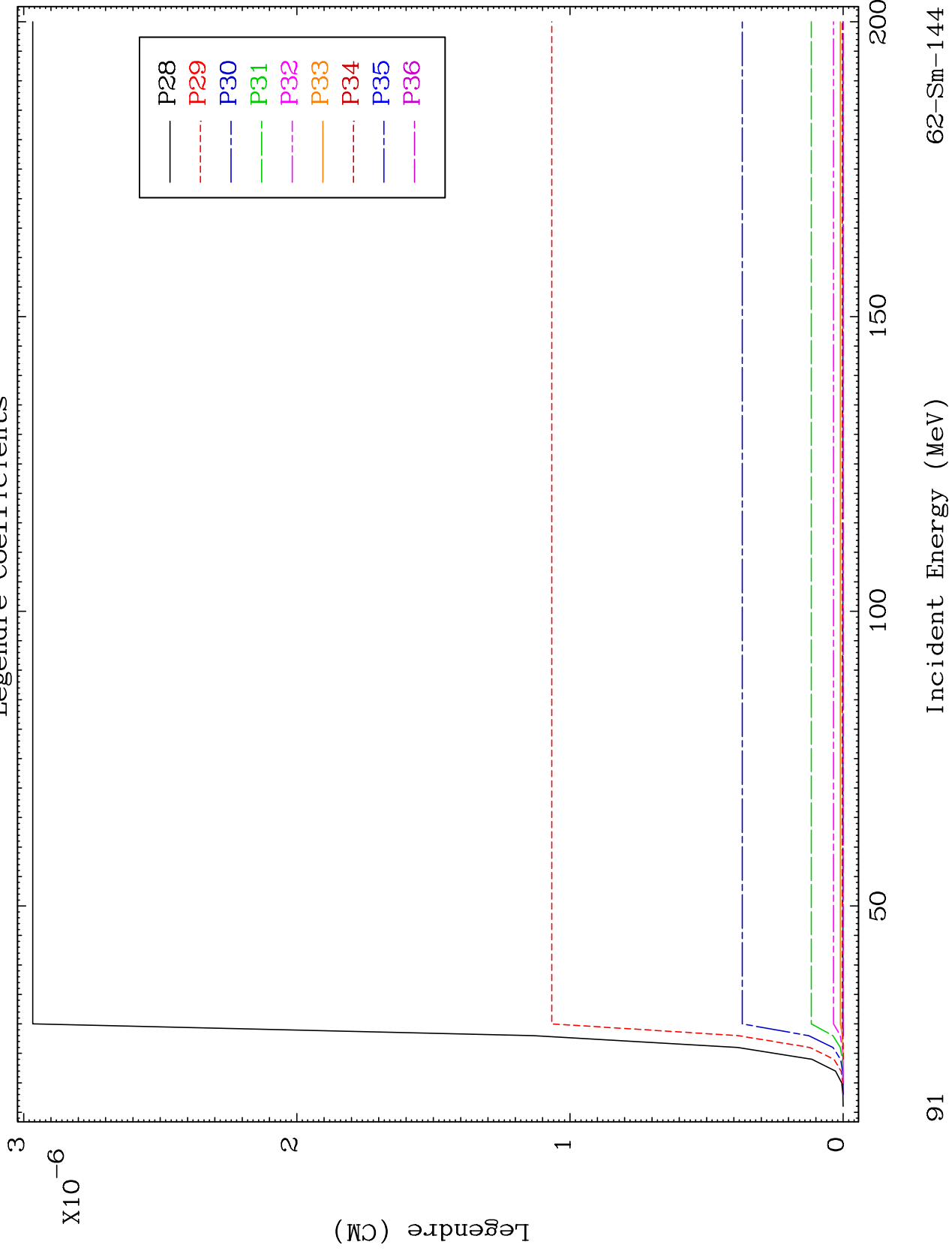
Incident Energy (MeV)

90

MAT 6225

MT= 70 (n,n') Level
Legendre Coefficients

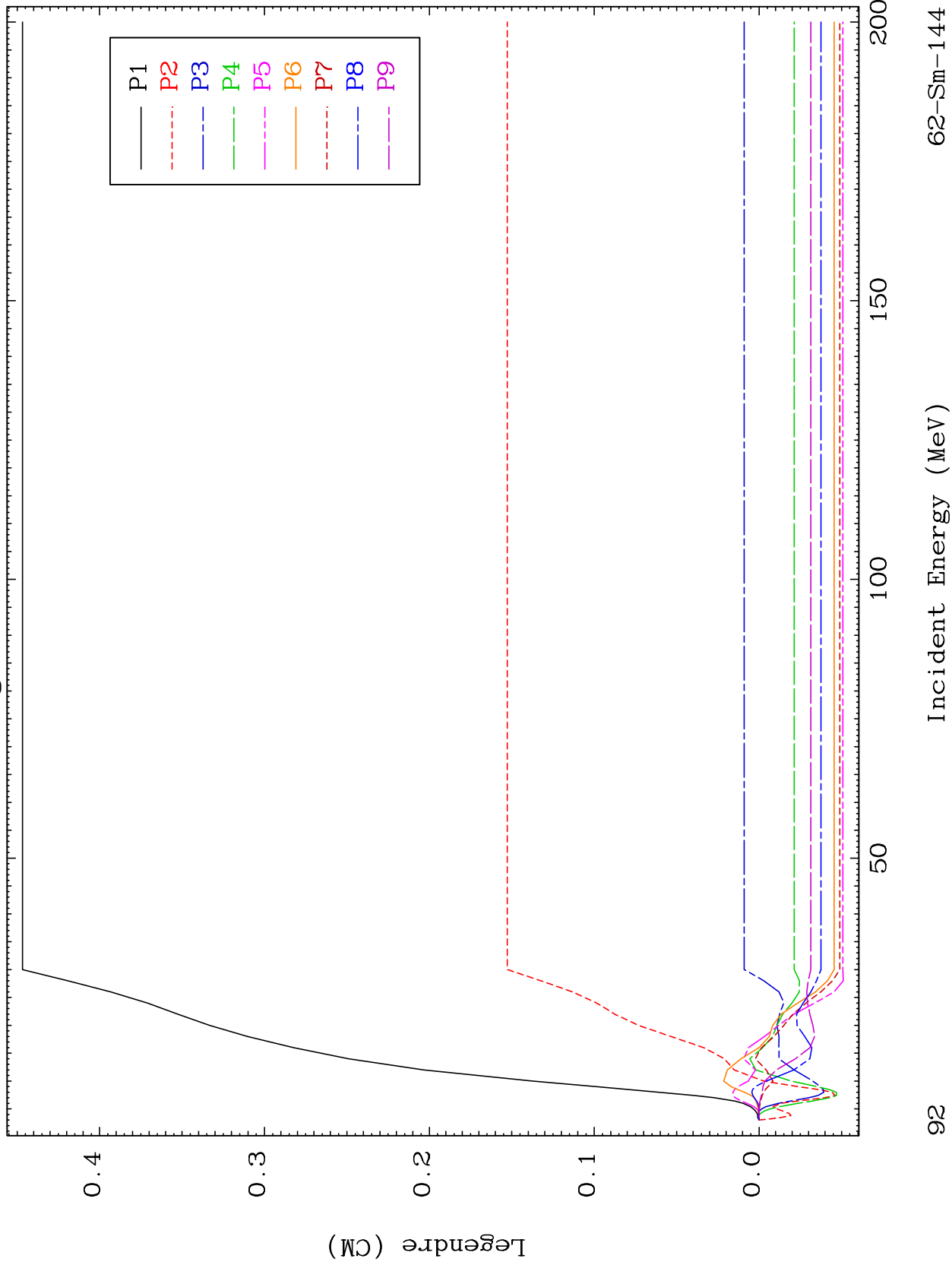
62-Sm-144



MAT 6225

MT= 71 (n,n') Level
Legendre Coefficients

62-Sm-144



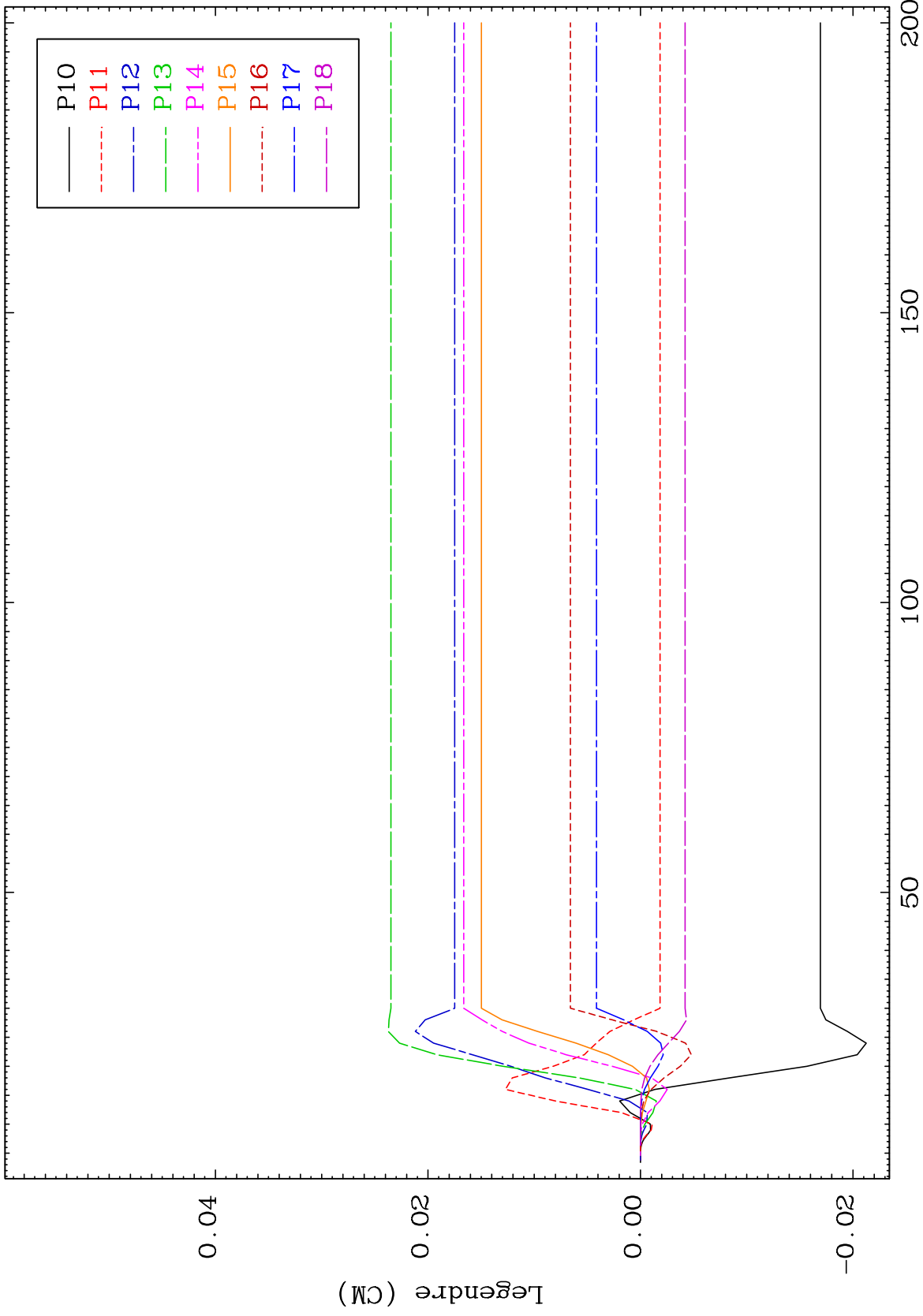
92

62-Sm-144

MAT 6225

MT= 71 (n,n') Level
Legendre Coefficients

62-Sm-144



93

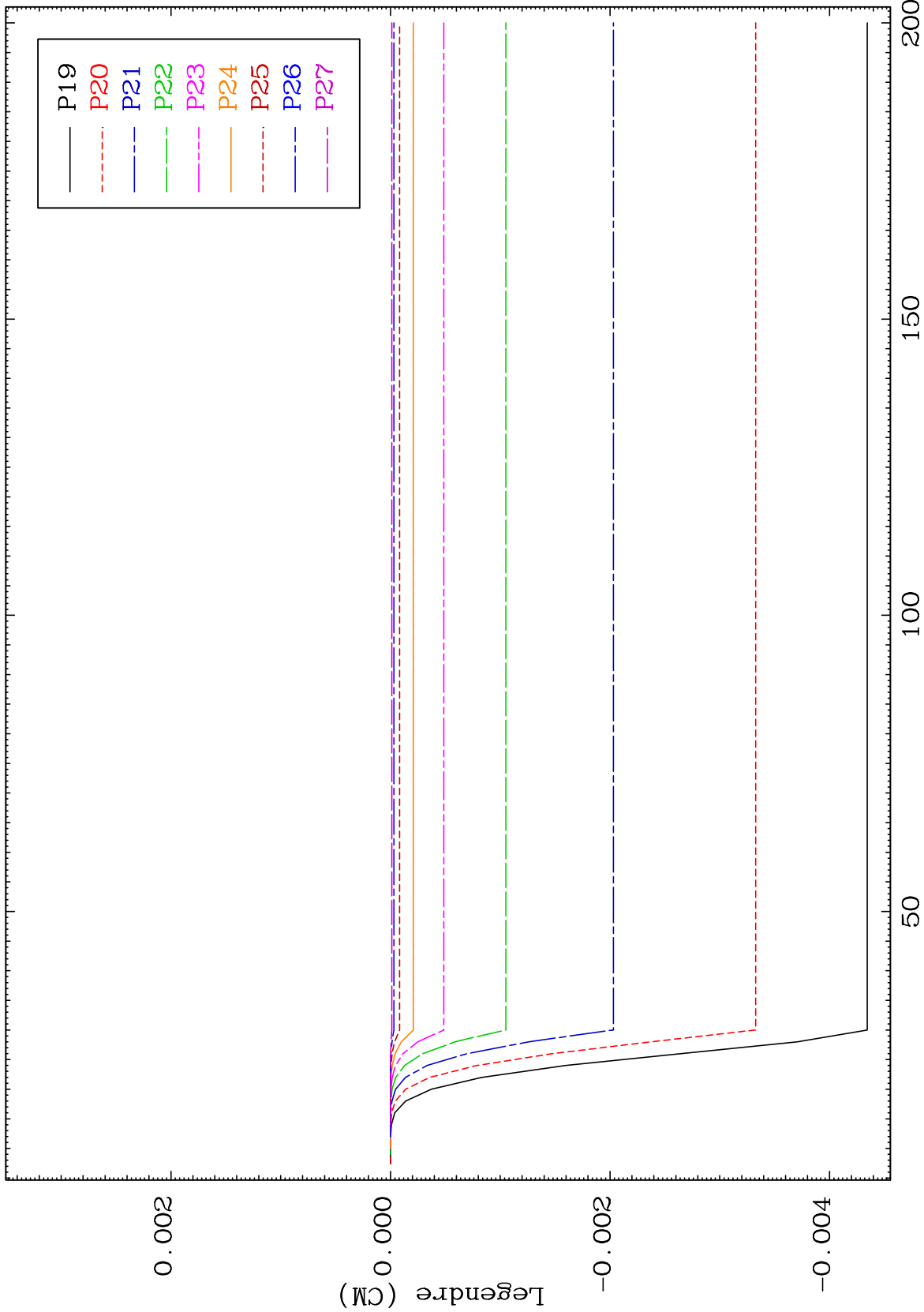
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 71 (n,n') Level
Legendre Coefficients

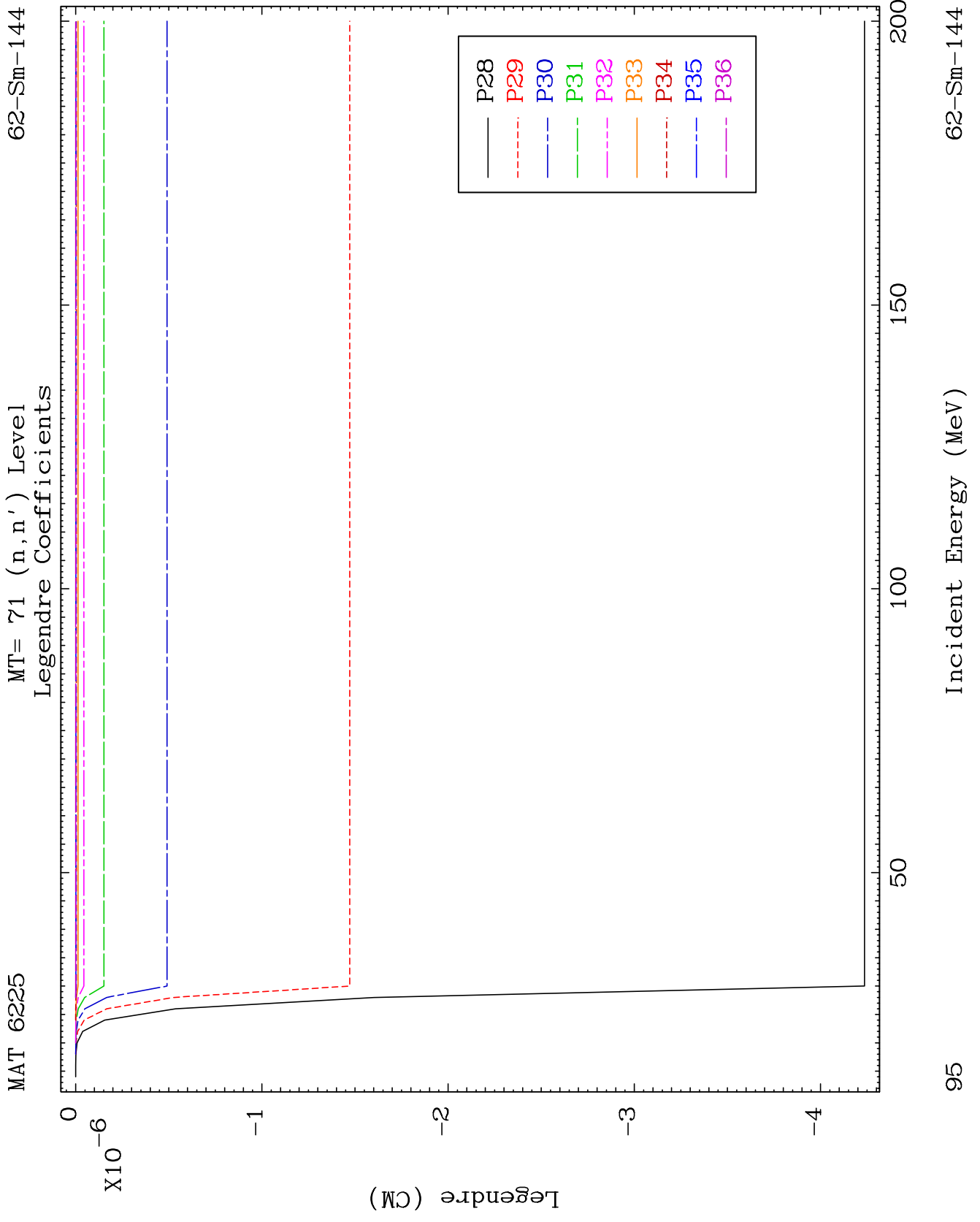
62-Sm-144



94

Incident Energy (MeV)

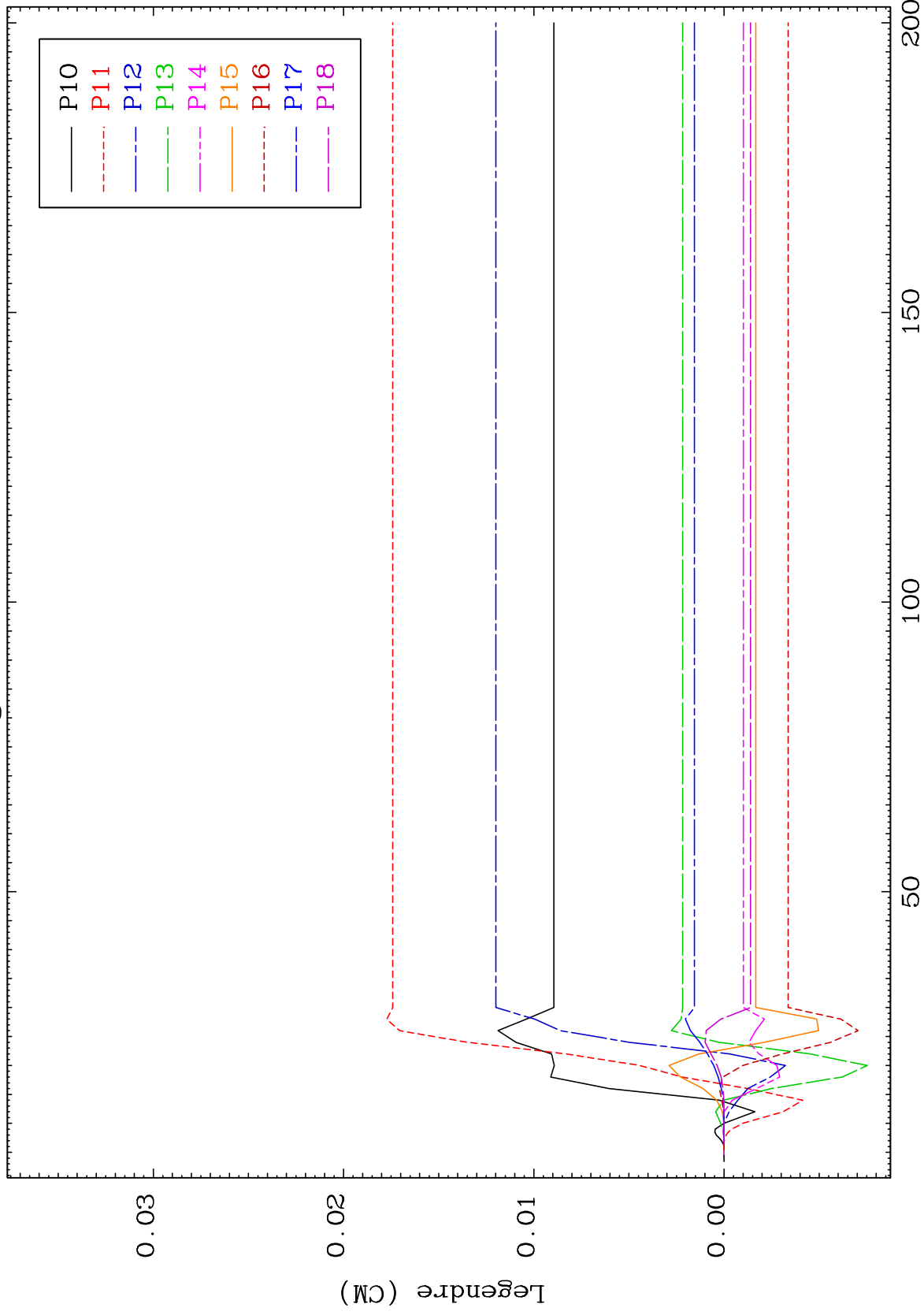
62-Sm-144



MAT 6225

MT= 72 (n,n') Level
Legendre Coefficients

62-Sm-144



97

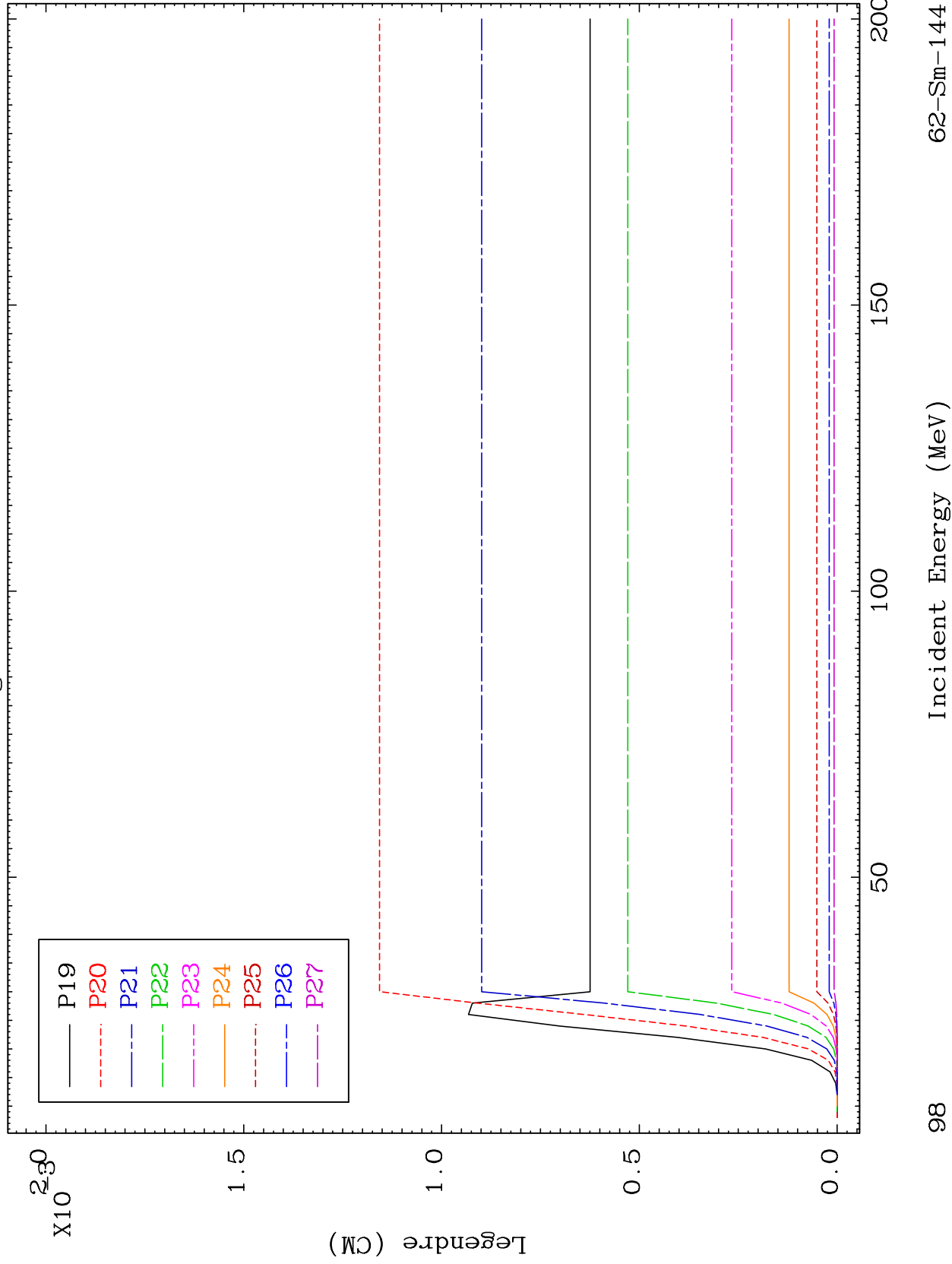
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 72 (n,n') Level
Legendre Coefficients

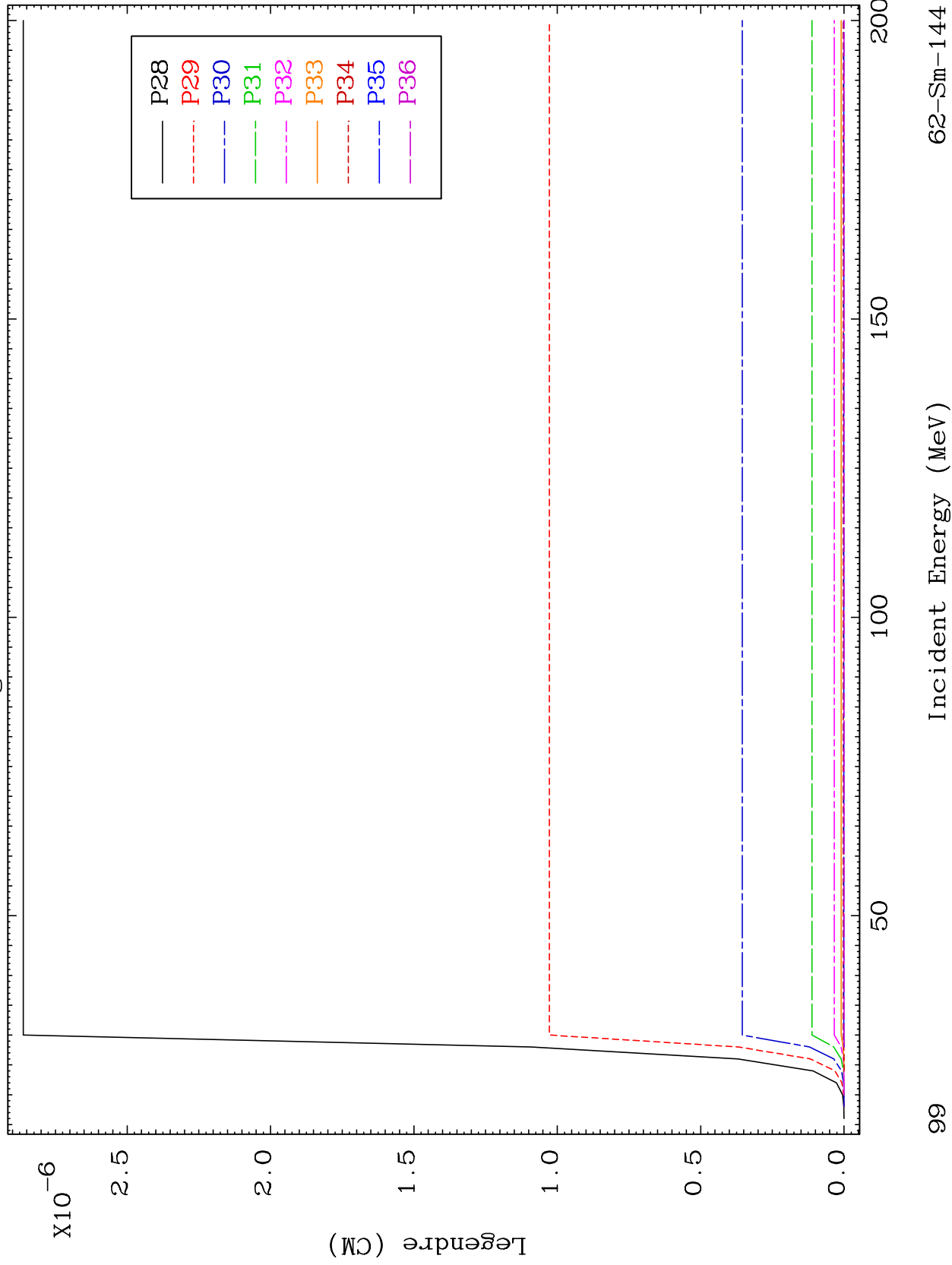
62-Sm-144



MAT 6225

MT= 72 (n,n') Level
Legendre Coefficients

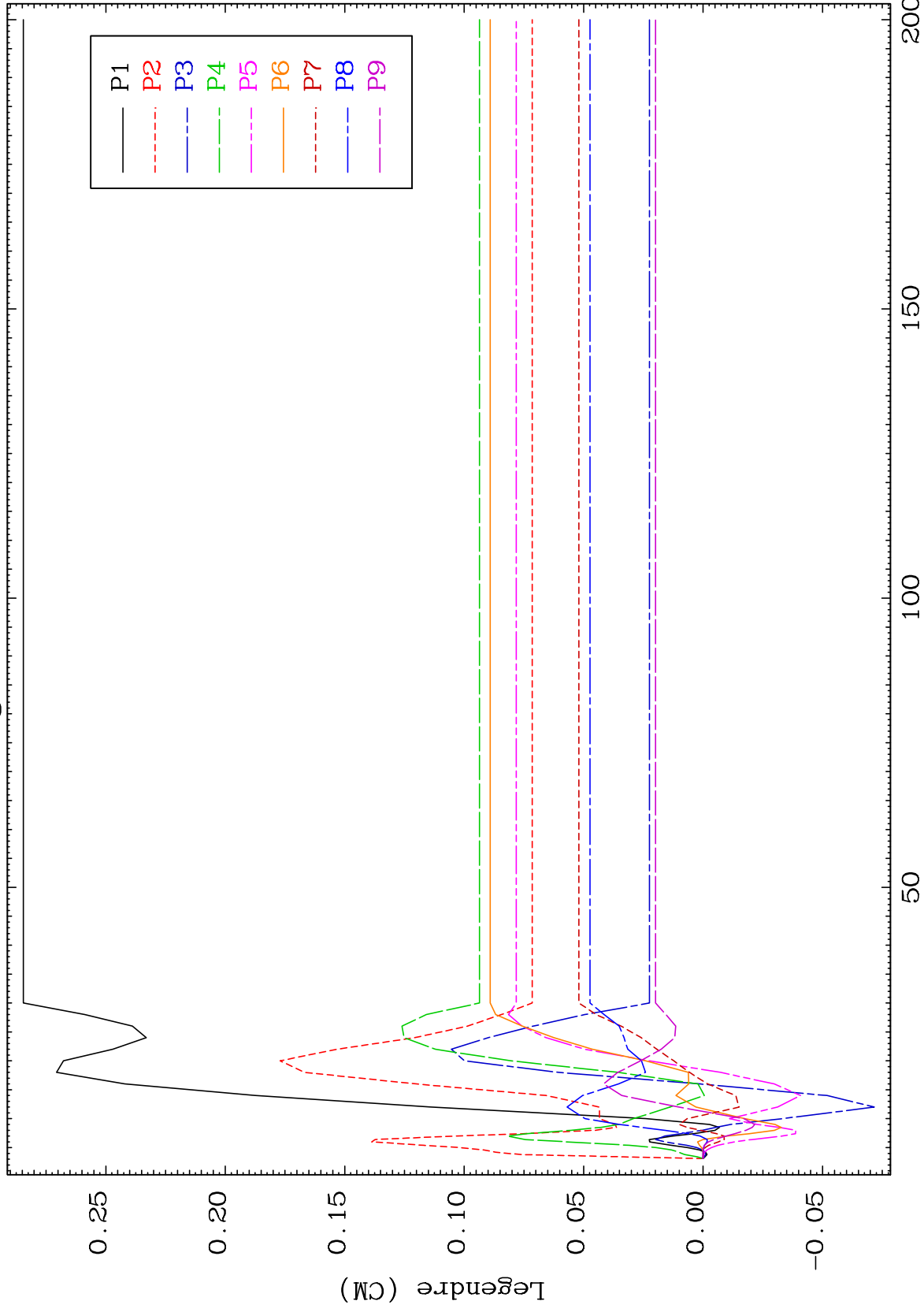
62-Sm-144



MAT 6225

MT= 73 (n,n') Level
Legendre Coefficients

62-Sm-144



62-Sm-144

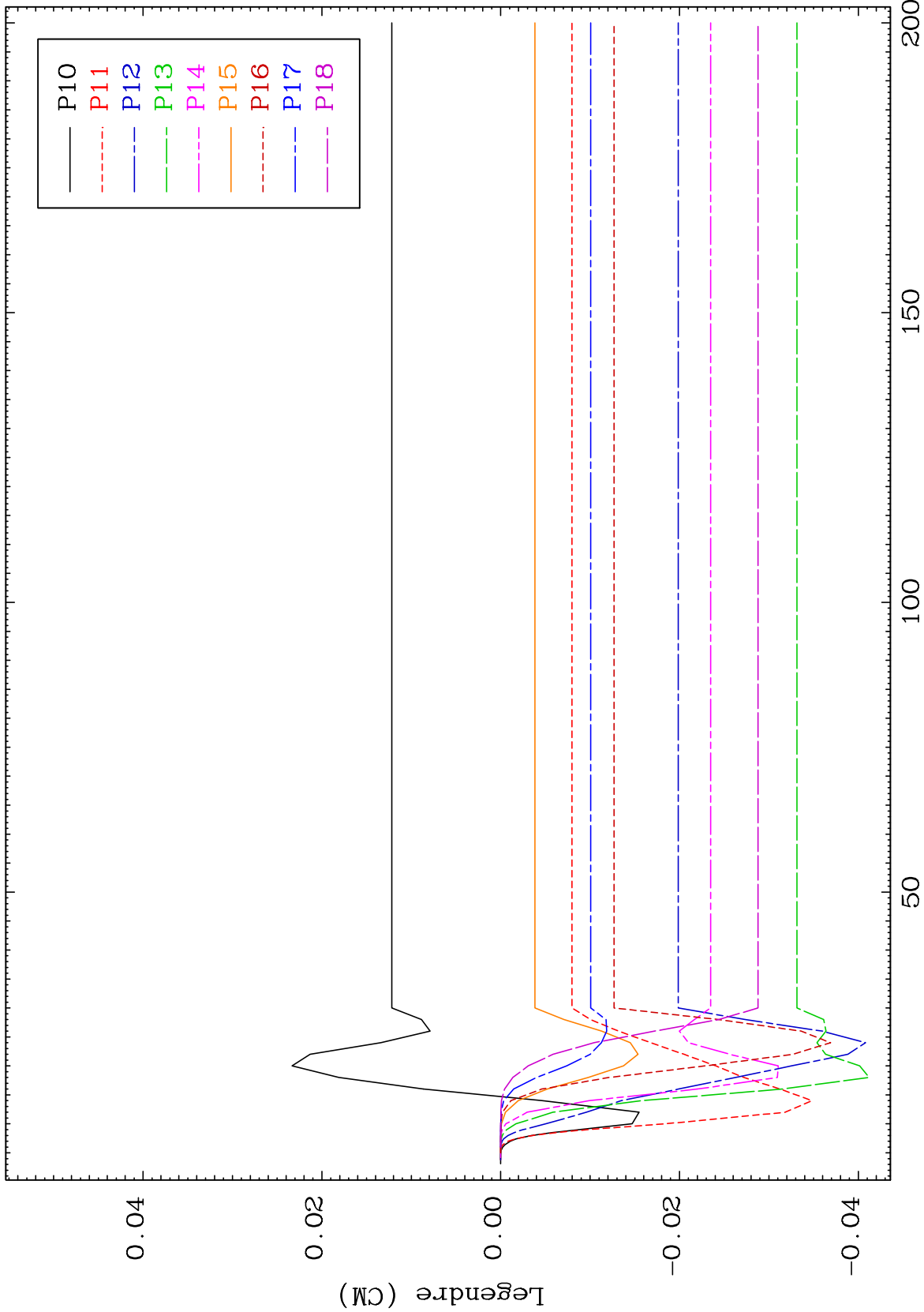
Incident Energy (MeV)

100

MAT 6225

MT= 73 (n,n') Level
Legendre Coefficients

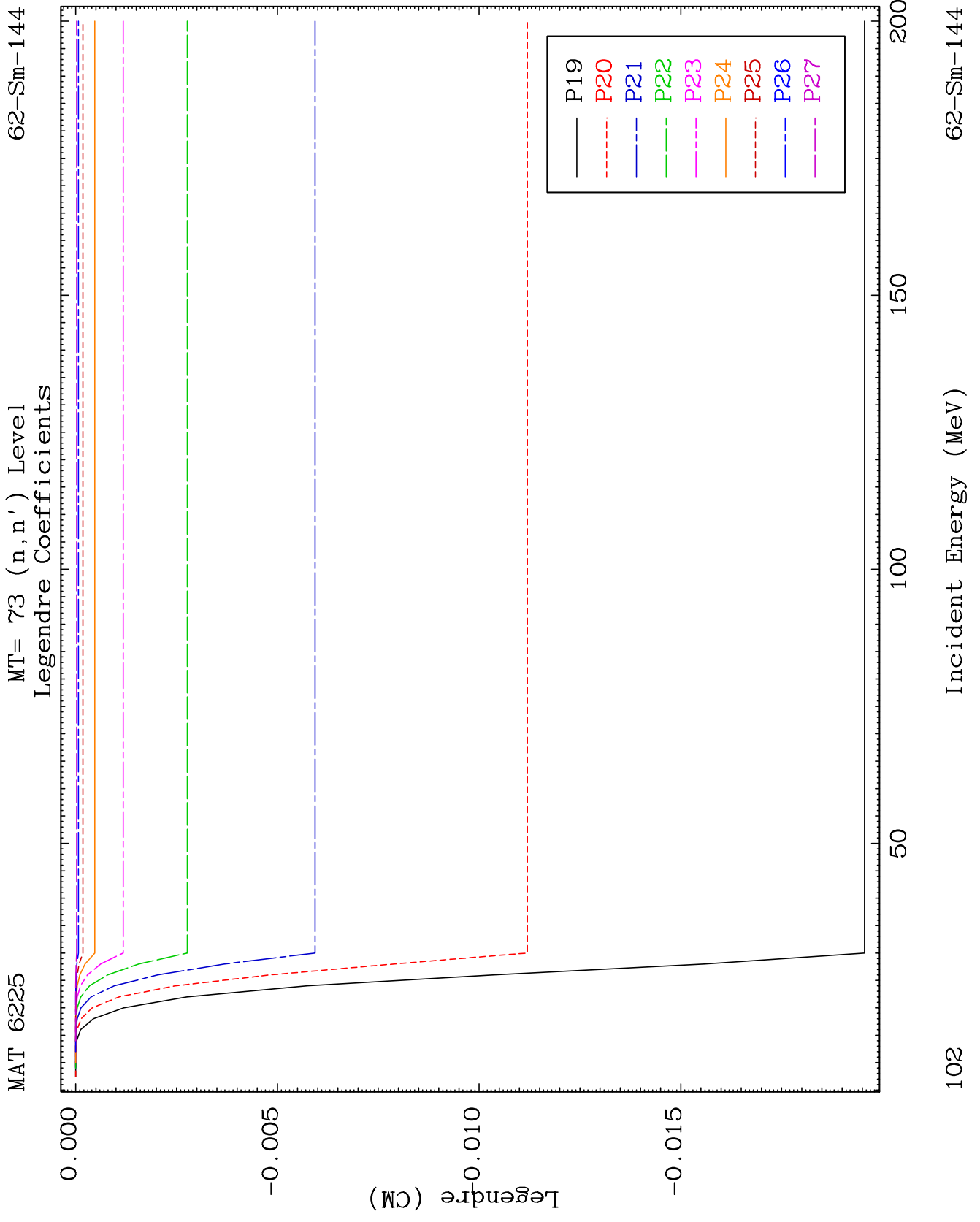
62-Sm-144



101

Incident Energy (MeV)

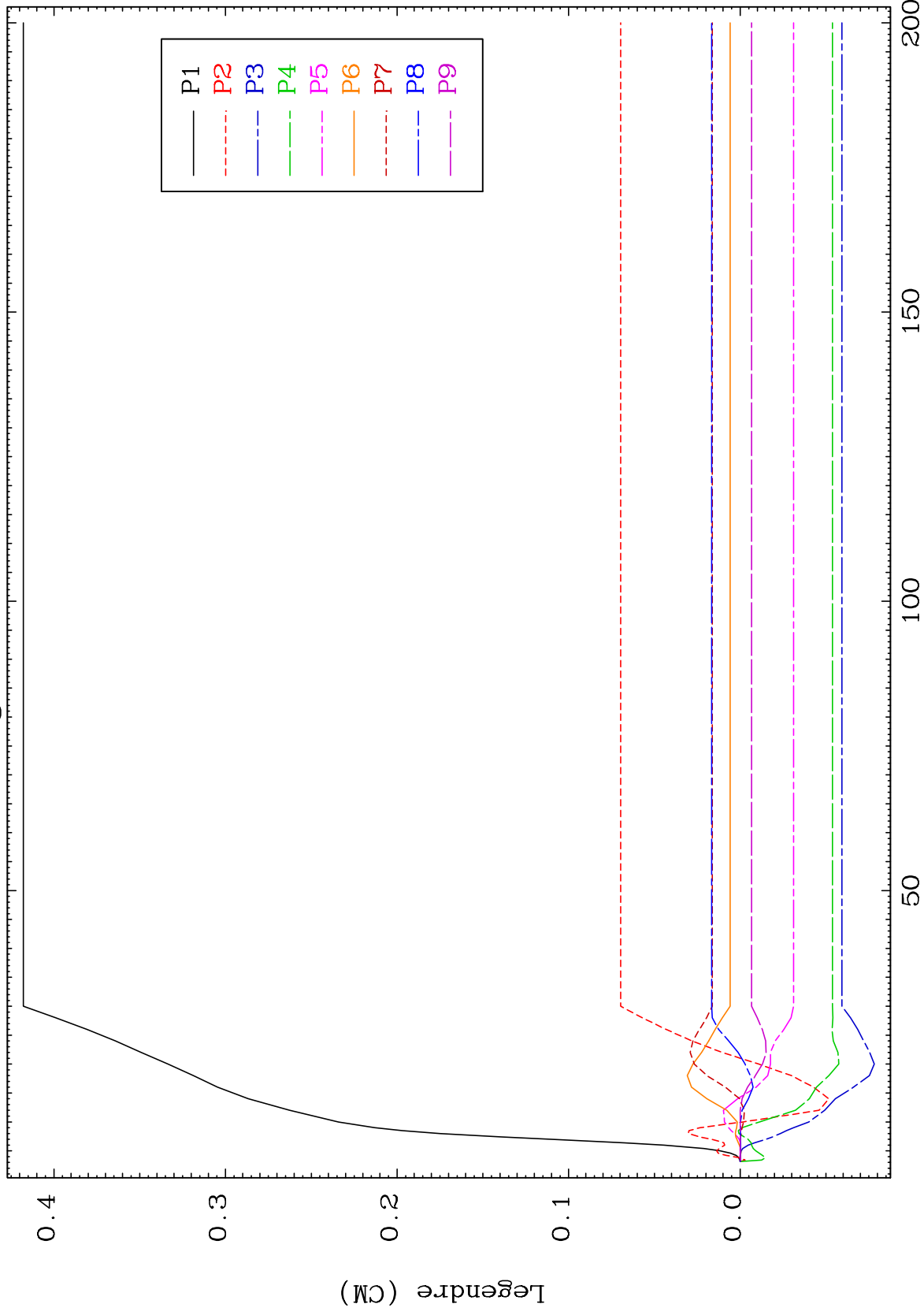
62-Sm-144



MAT 6225

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-144



104

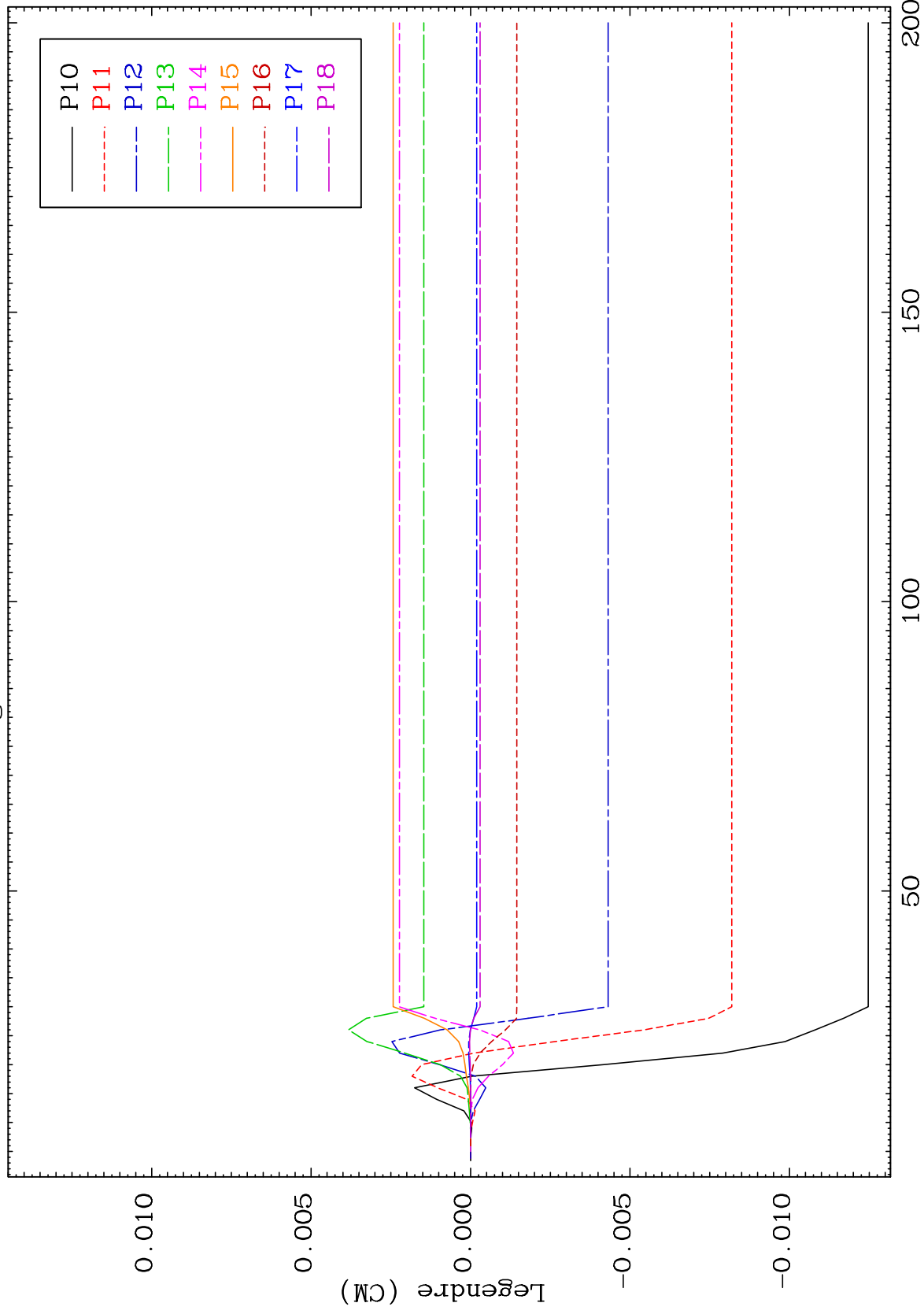
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-144



105

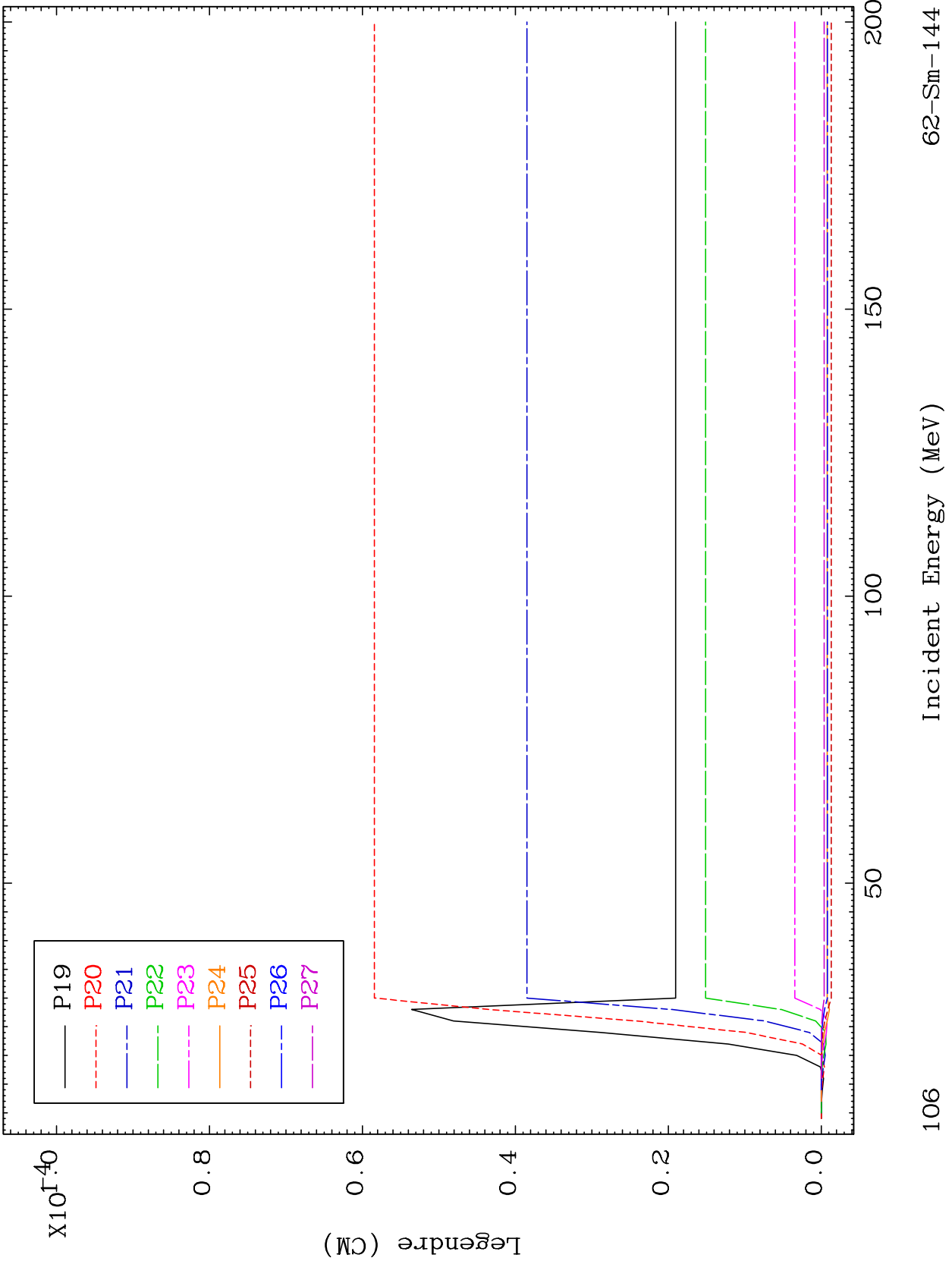
Incident Energy (MeV)

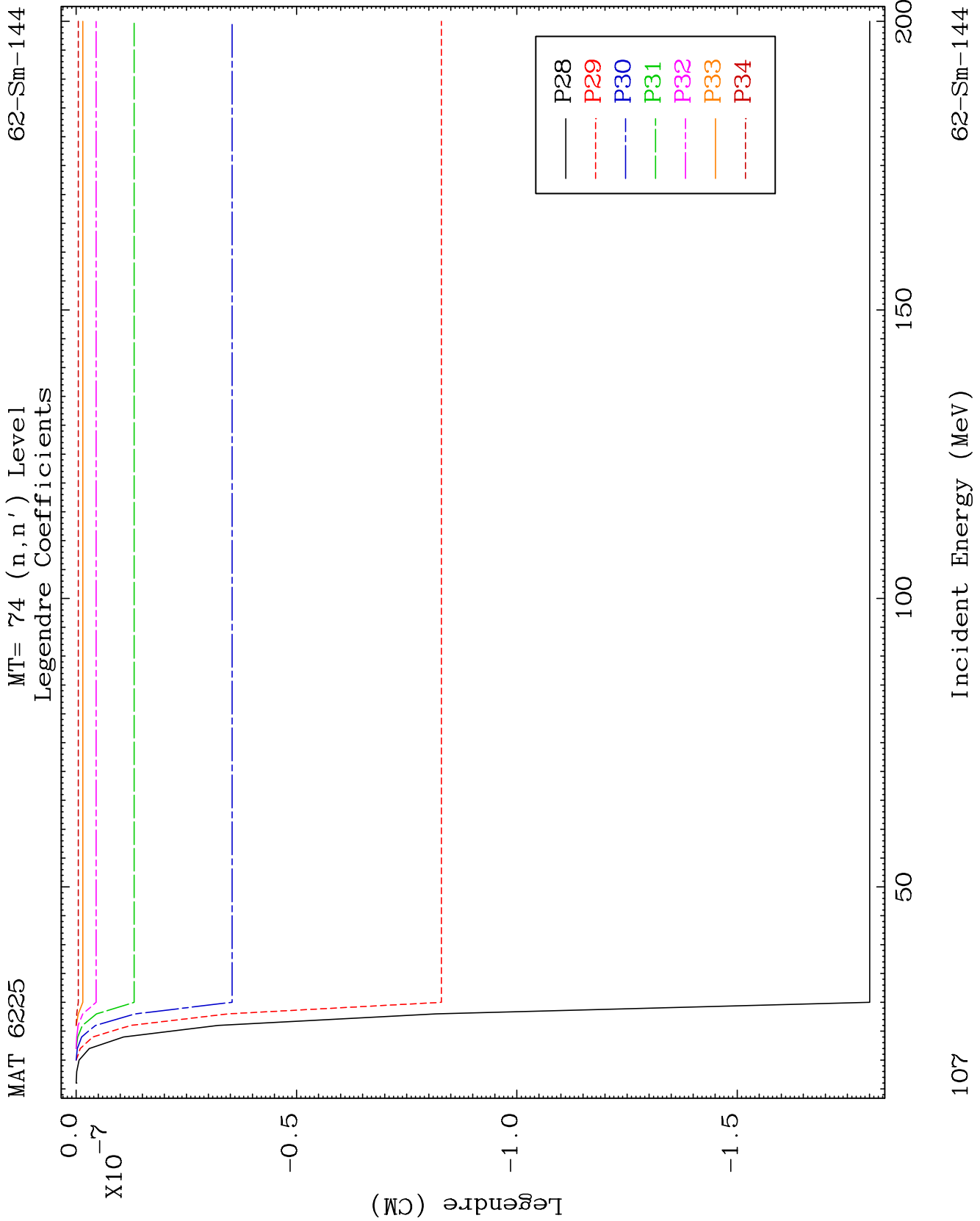
62-Sm-144

MAT 6225

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-144

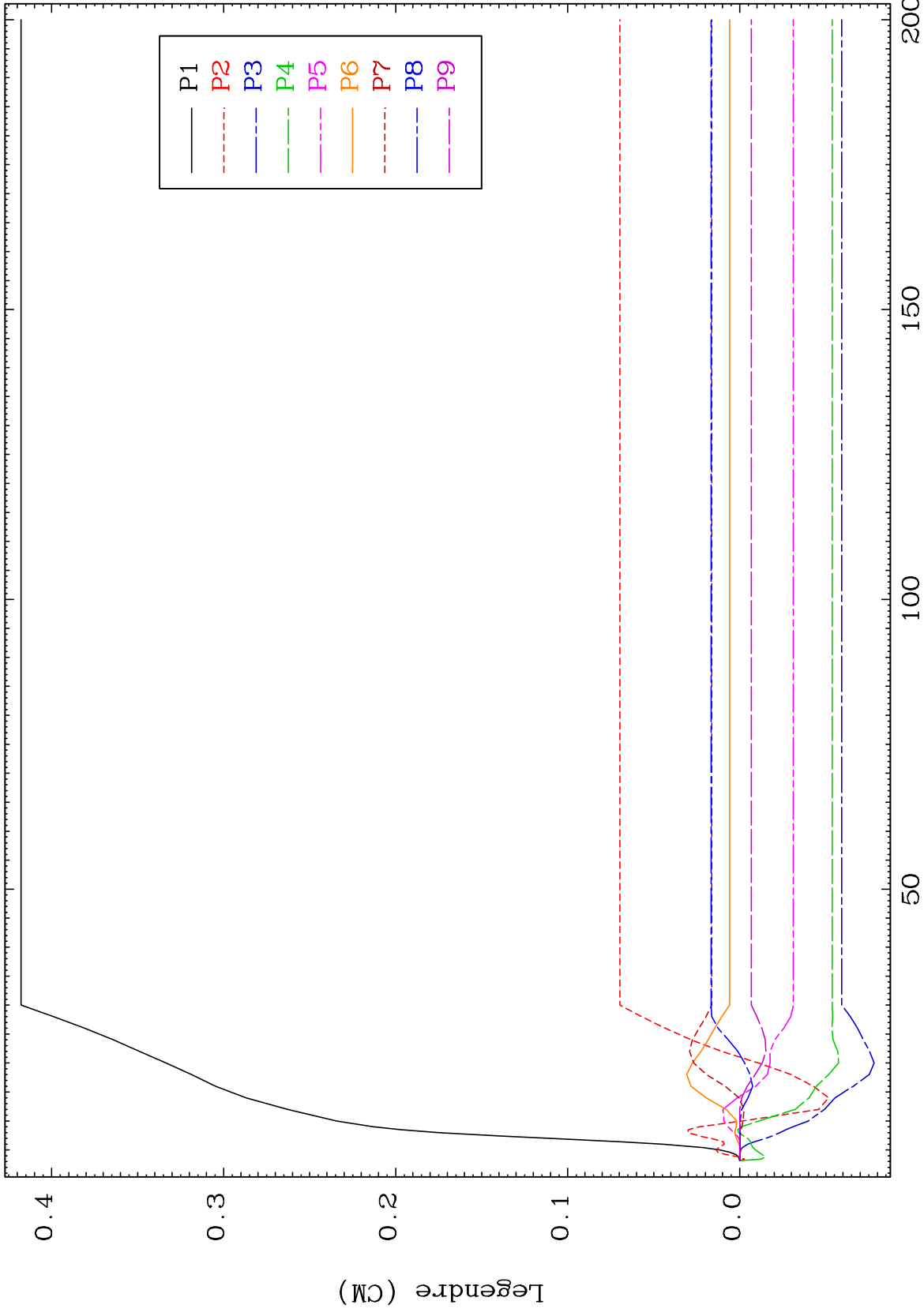




MAT 6225

MT= 75 (n,n') Level
Legendre Coefficients

62-Sm-144



108

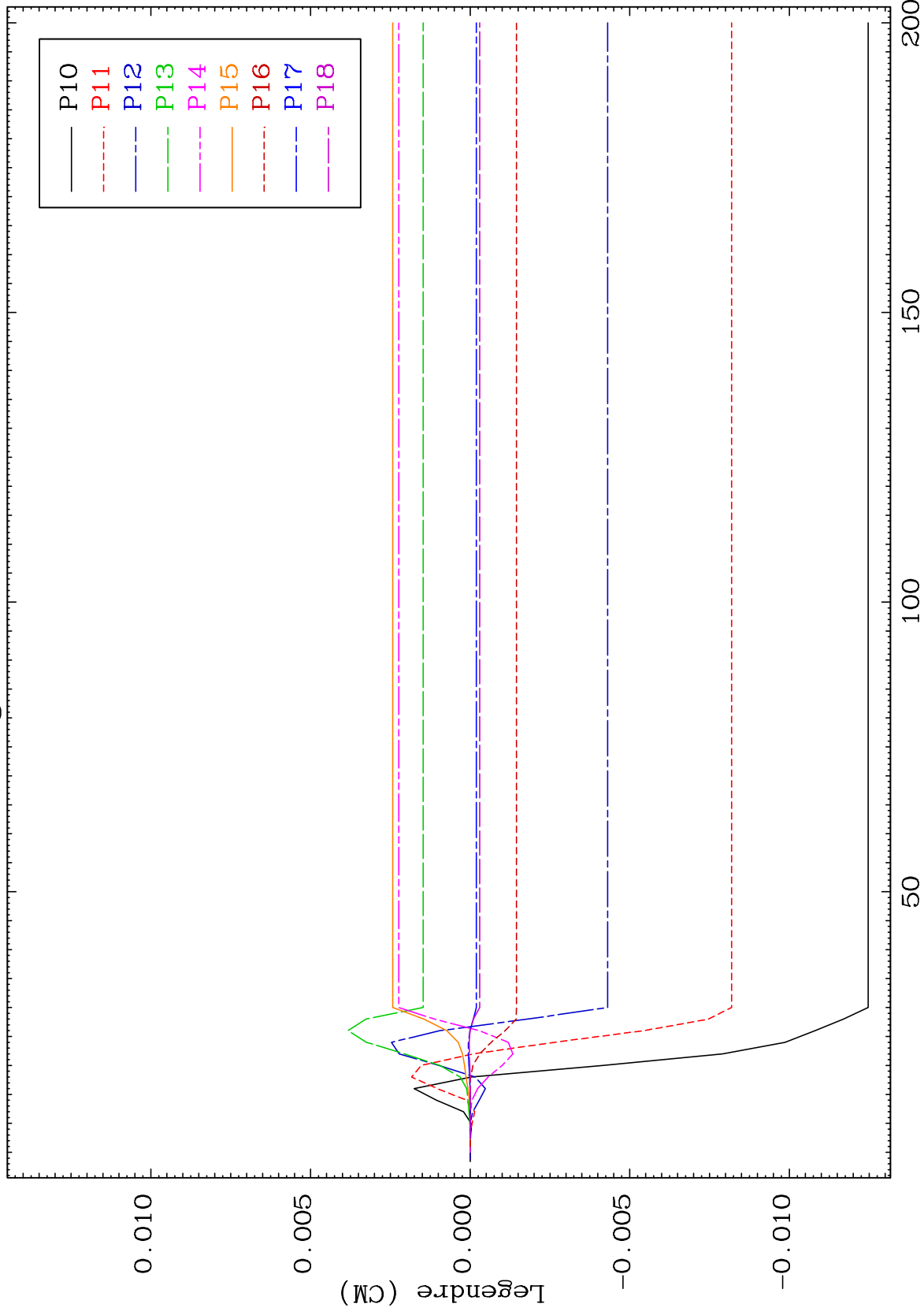
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 75 (n,n') Level
Legendre Coefficients

62-Sm-144



109

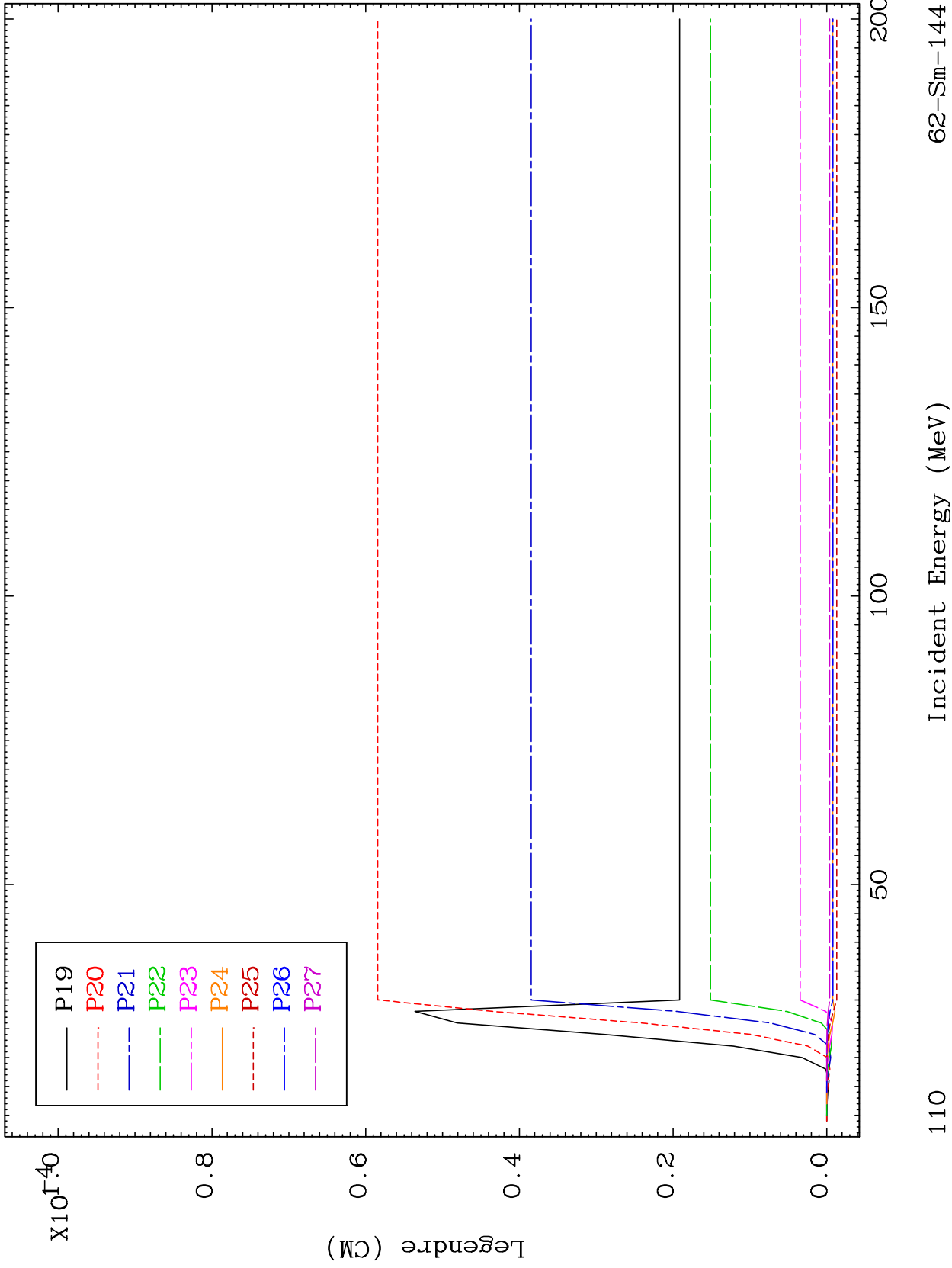
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 75 (n,n') Level
Legendre Coefficients

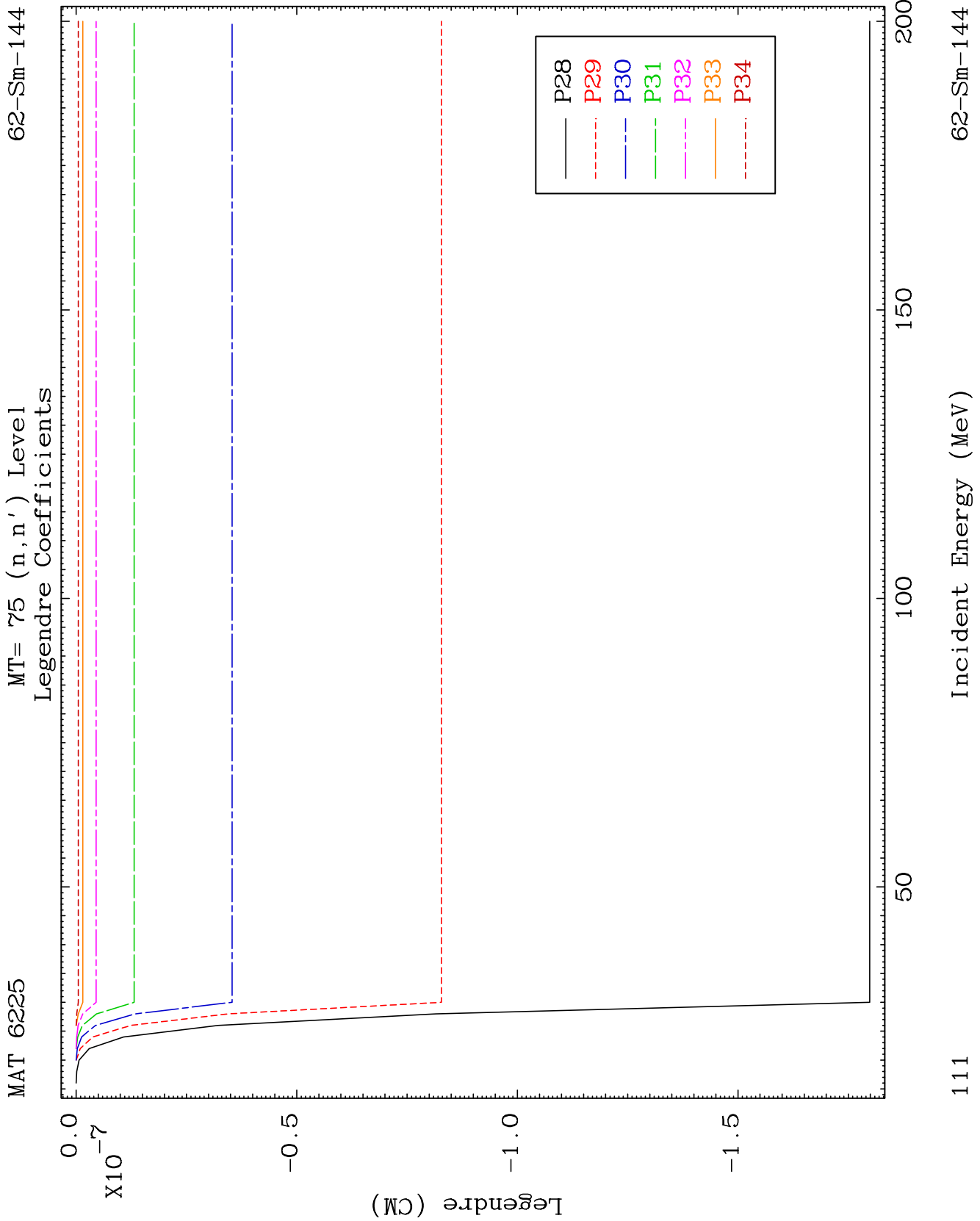
62-Sm-144

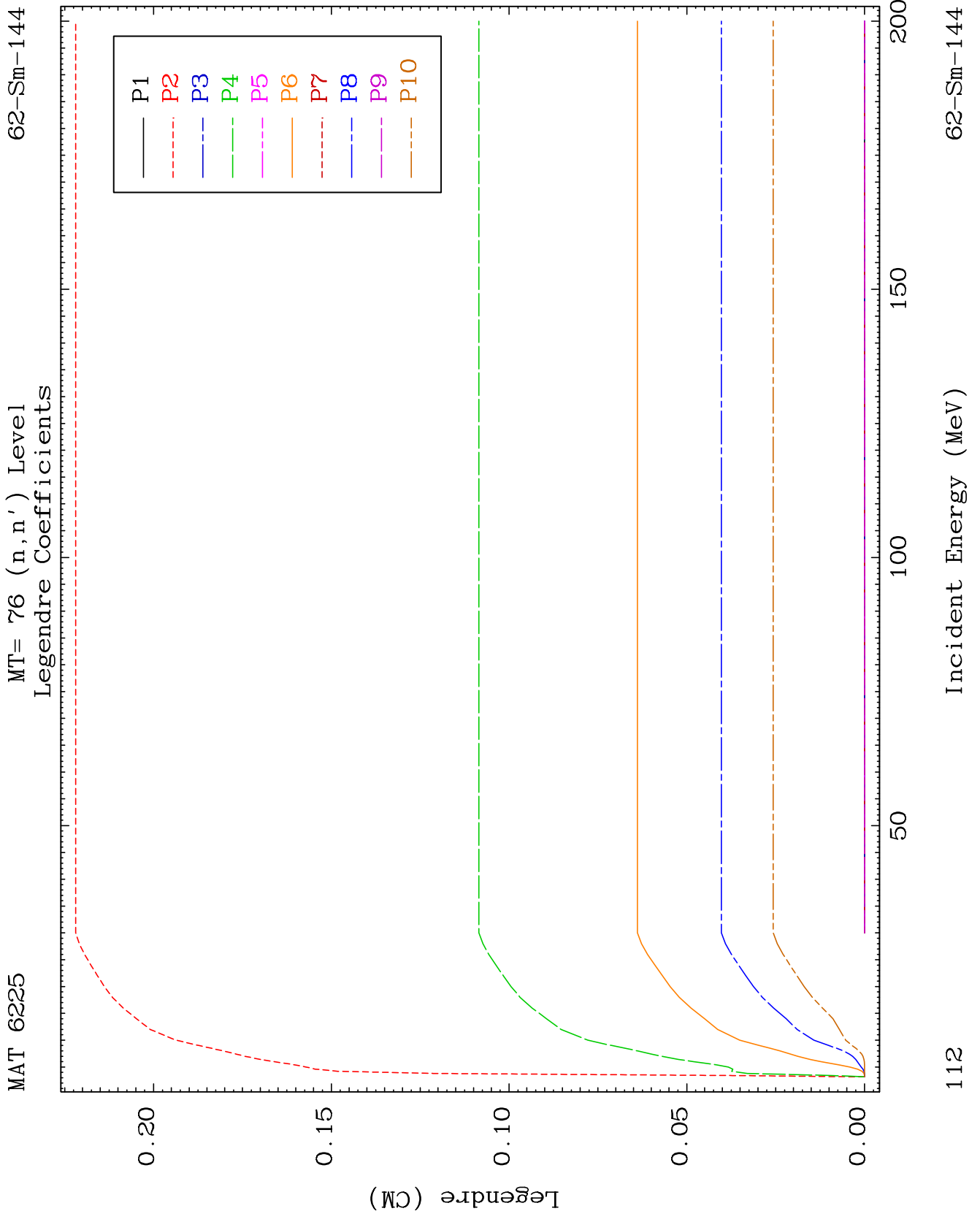


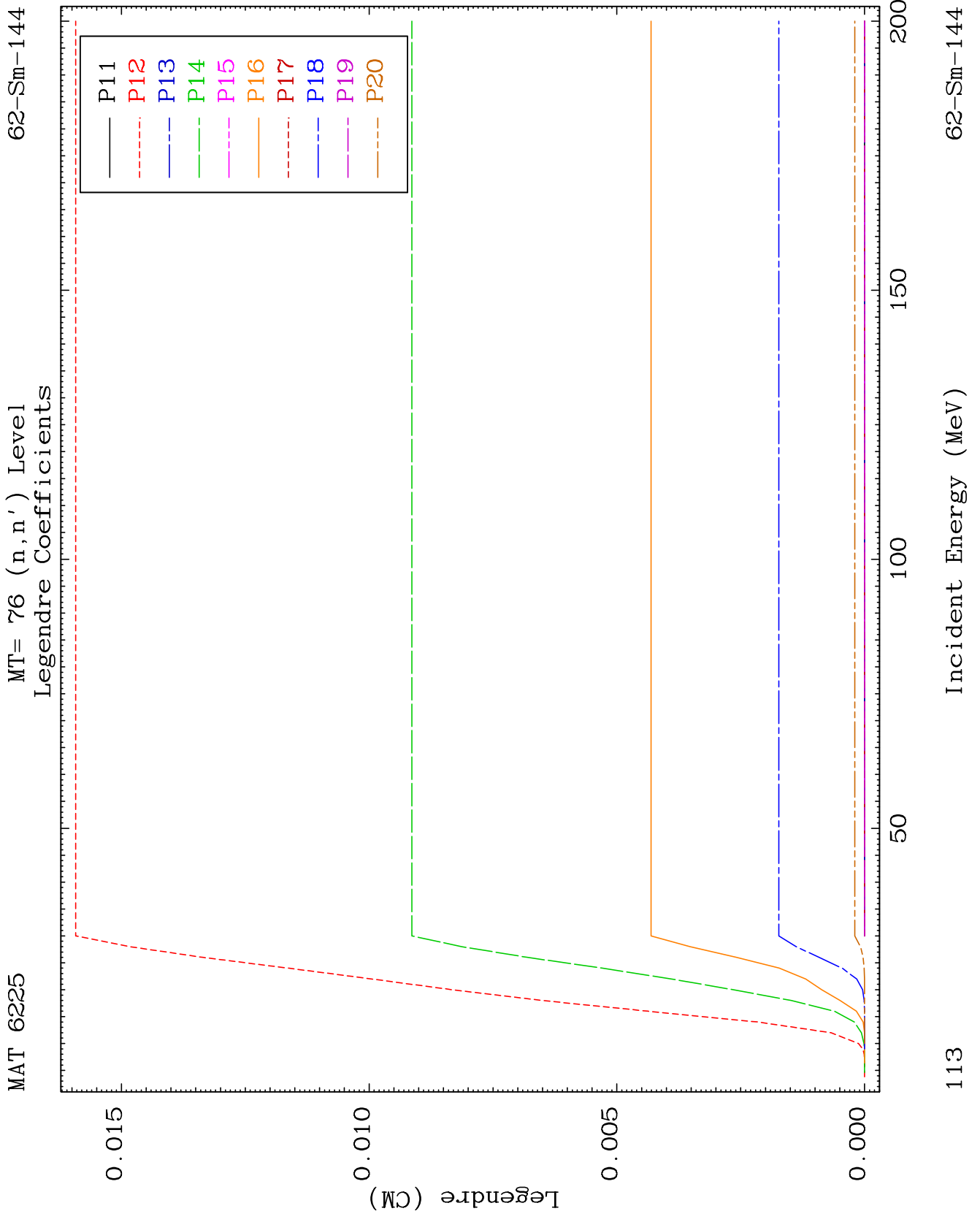
110

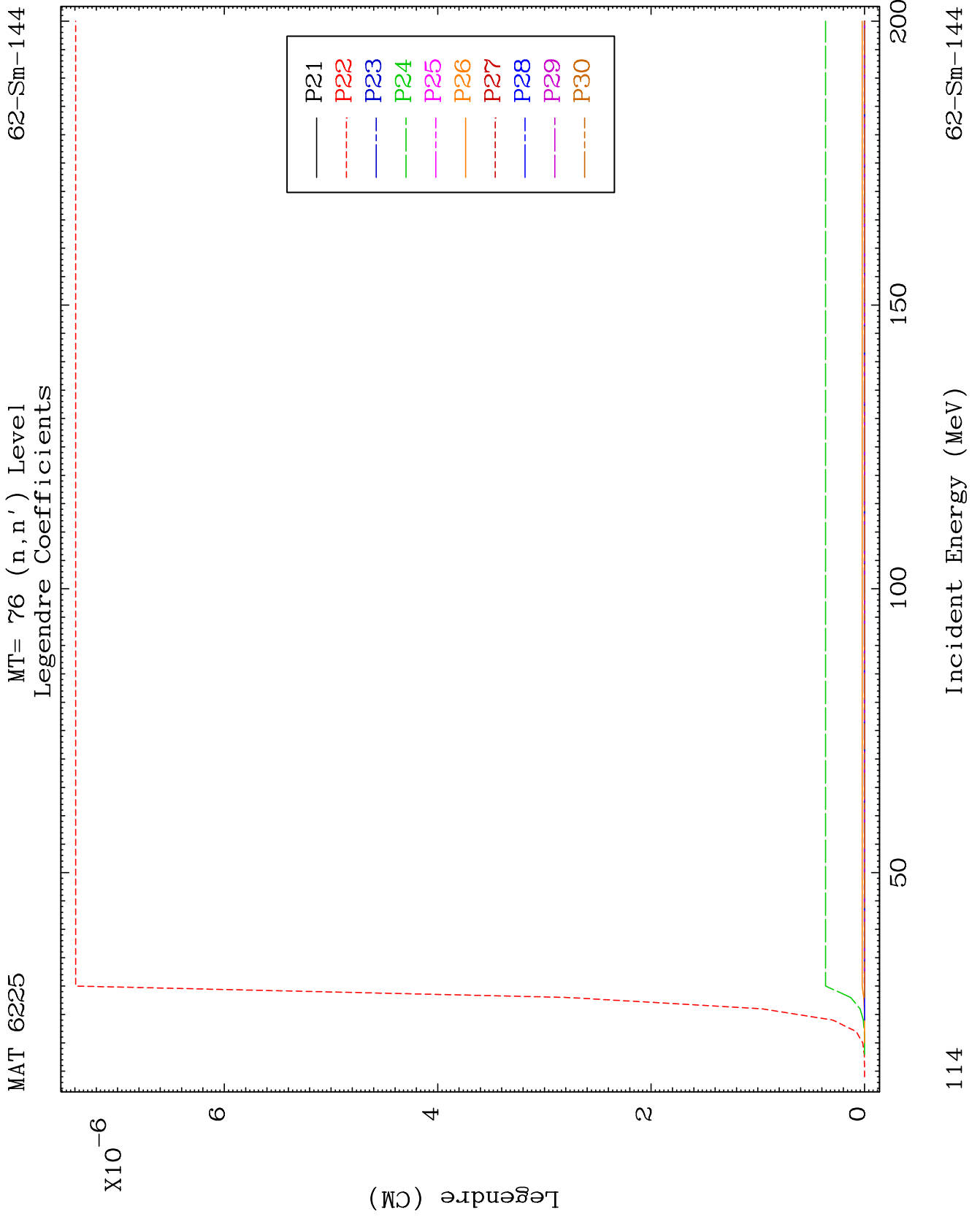
Incident Energy (MeV)

62-Sm-144





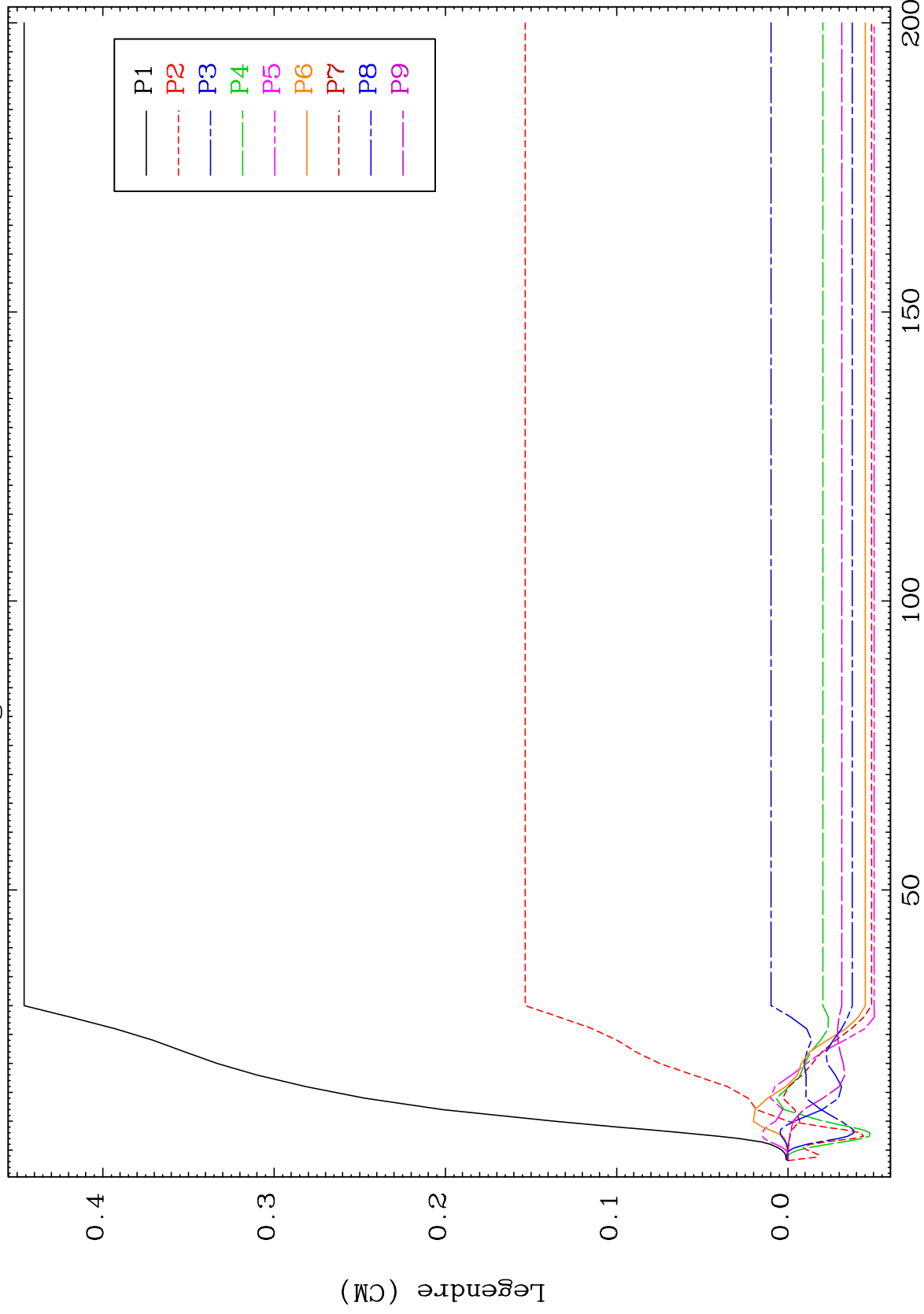




MAT 6225

MT= 77 (n,n') Level
Legendre Coefficients

62-Sm-144



115

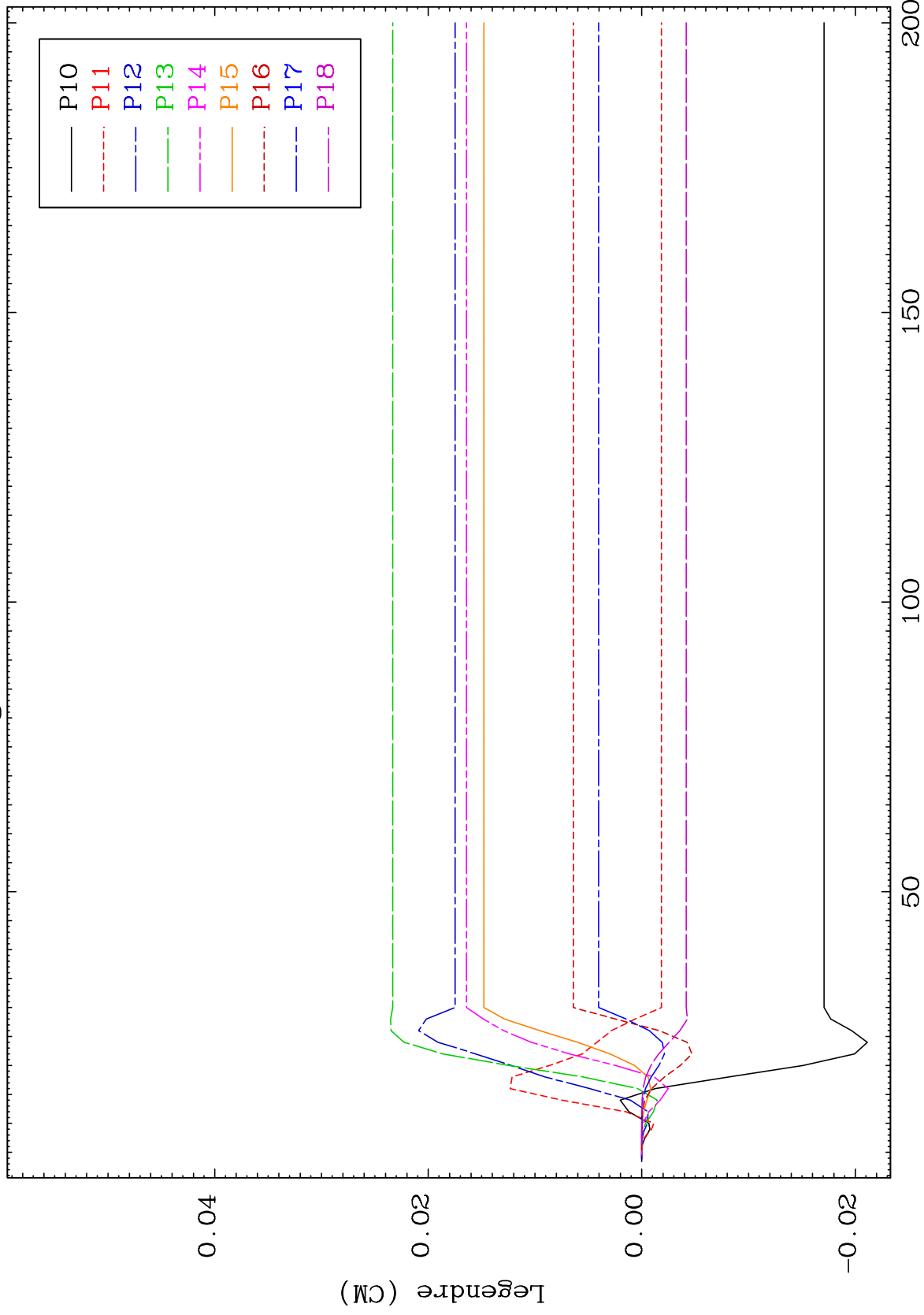
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 77 (n,n') Level
Legendre Coefficients

62-Sm-144



116

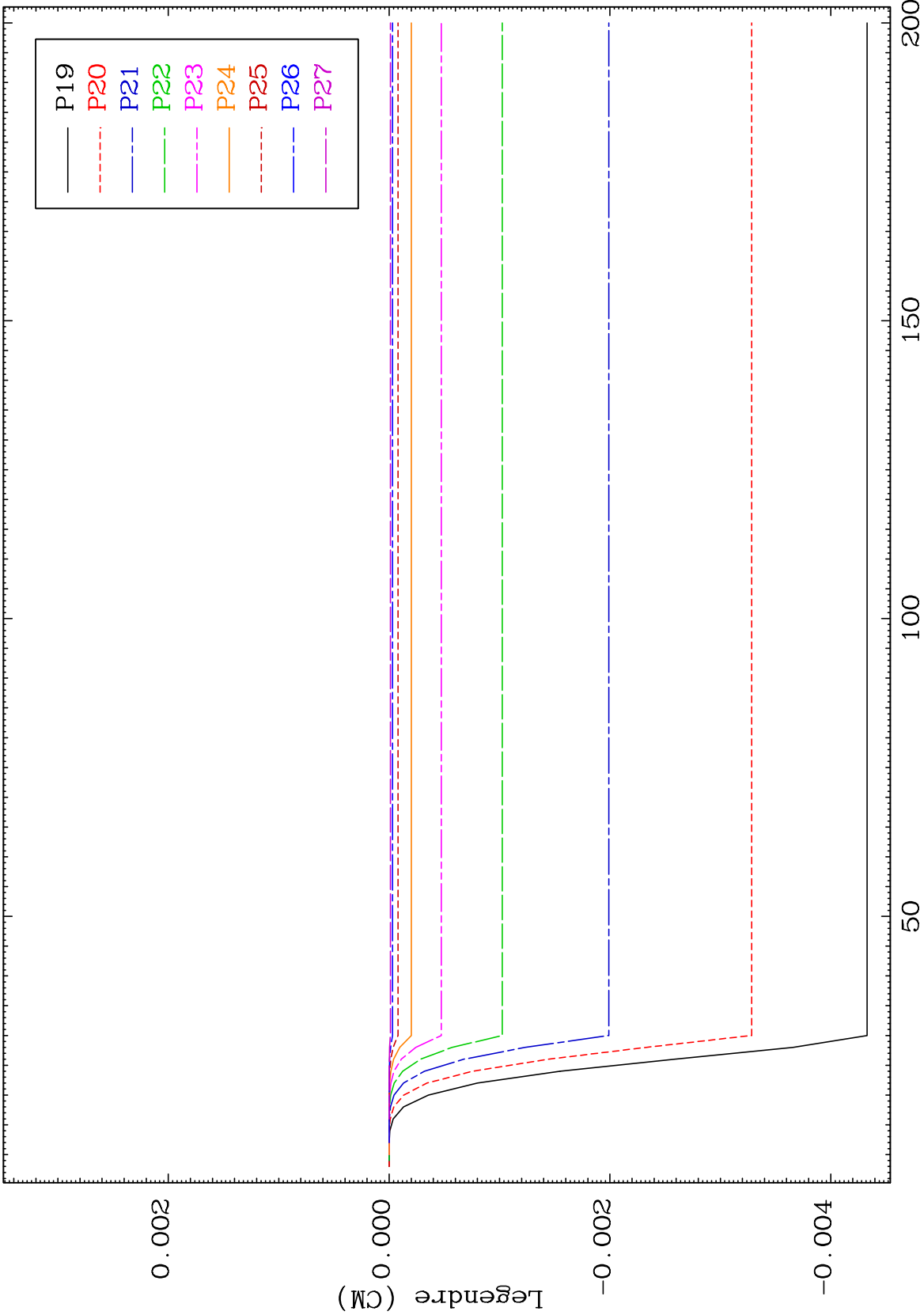
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 77 (n,n') Level
Legendre Coefficients

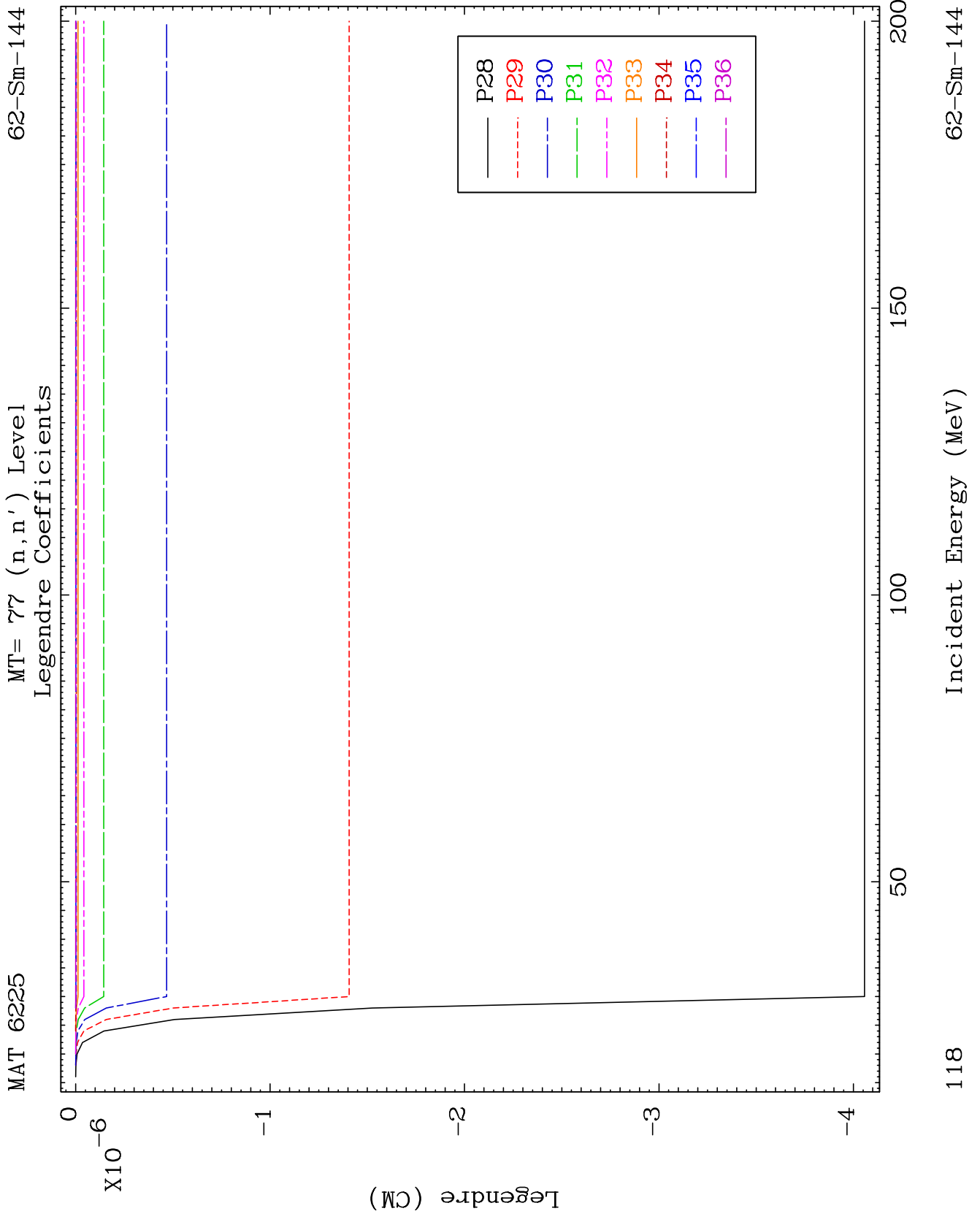
62-Sm-144



117

Incident Energy (MeV)

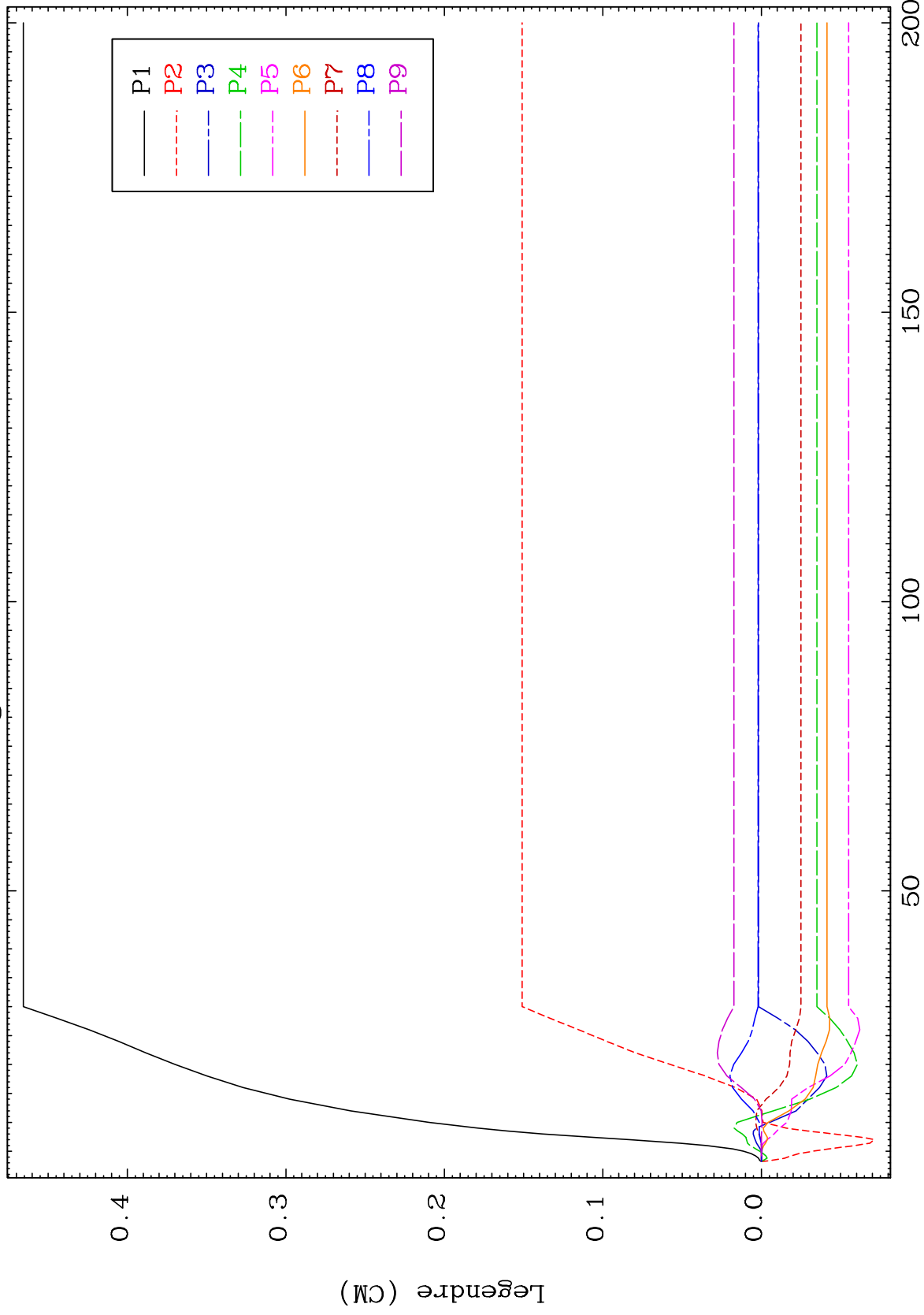
62-Sm-144



MAT 6225

MT= 78 (n,n') Level
Legendre Coefficients

62-Sm-144



119

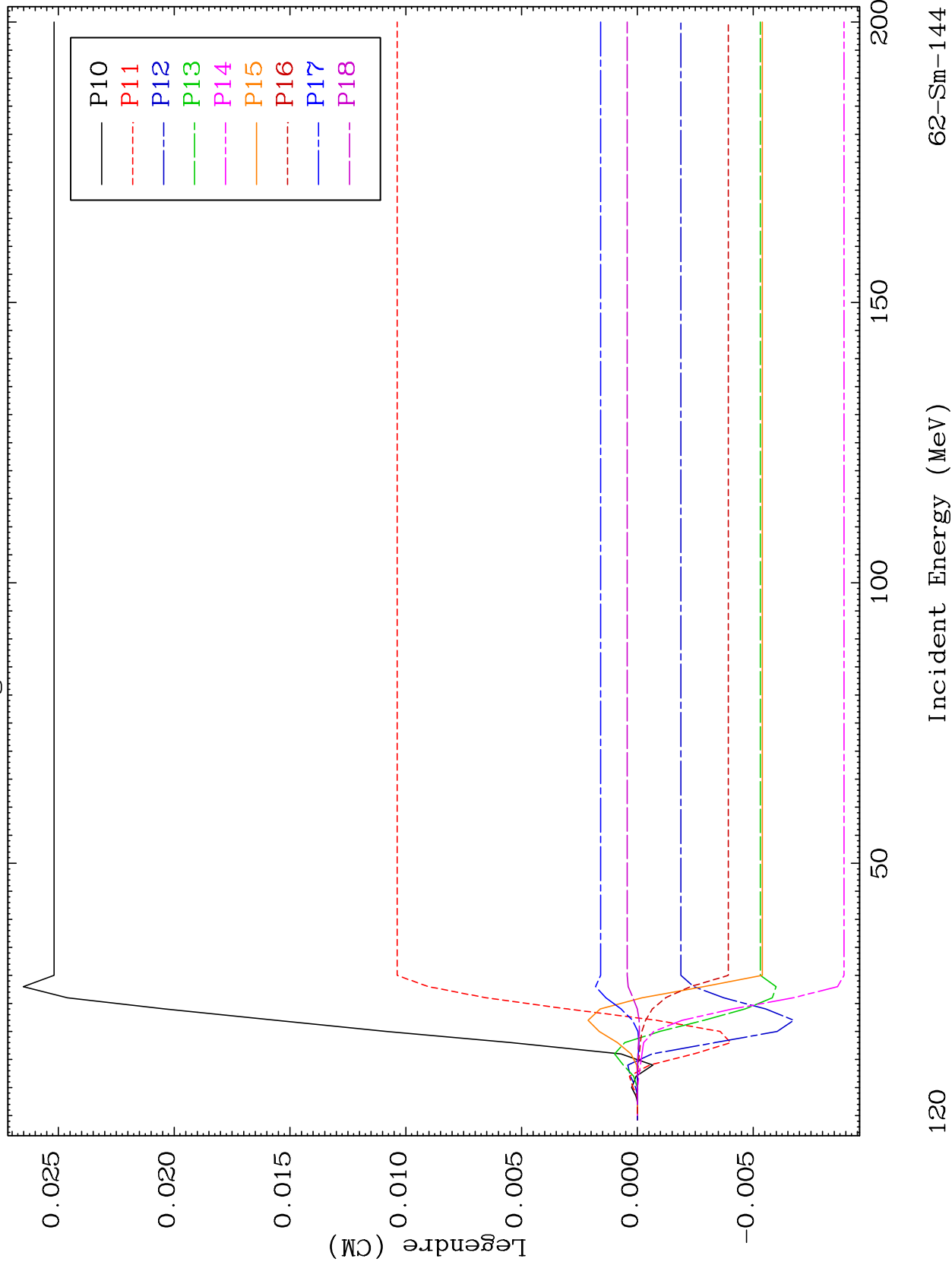
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 78 (n,n') Level
Legendre Coefficients

62-Sm-144



120

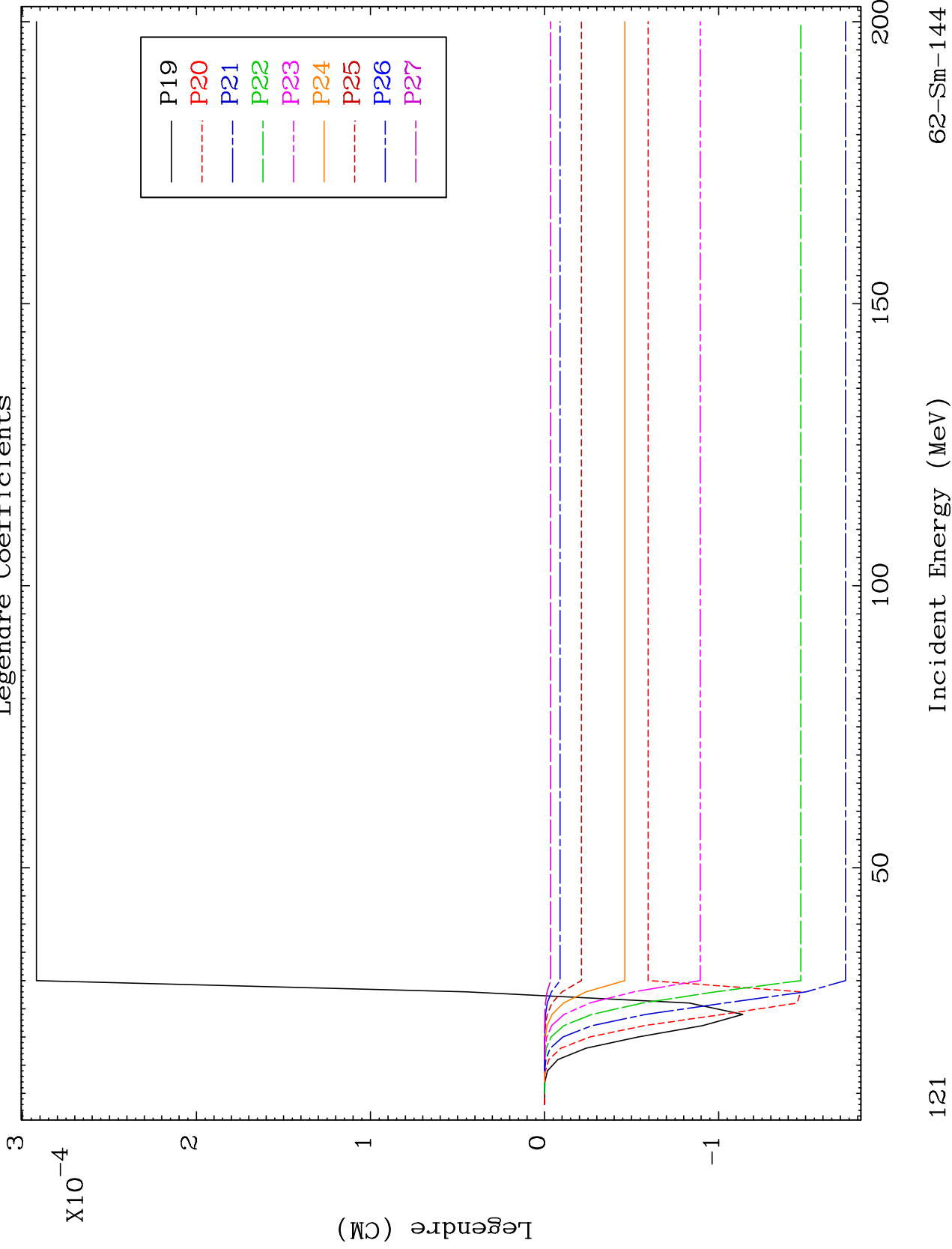
Incident Energy (MeV)

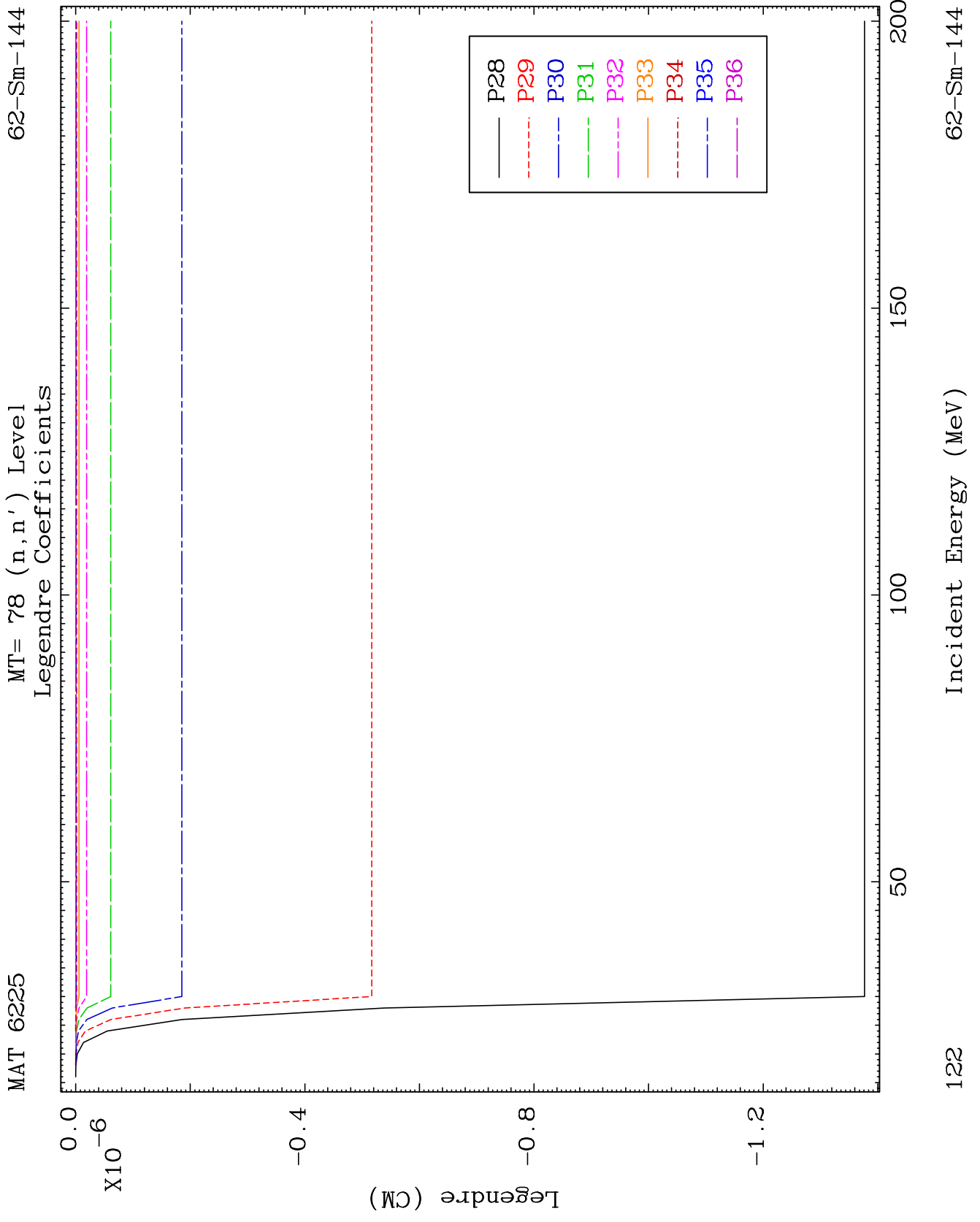
62-Sm-144

MAT 6225

MT= 78 (n,n') Level
Legendre Coefficients

62-Sm-144

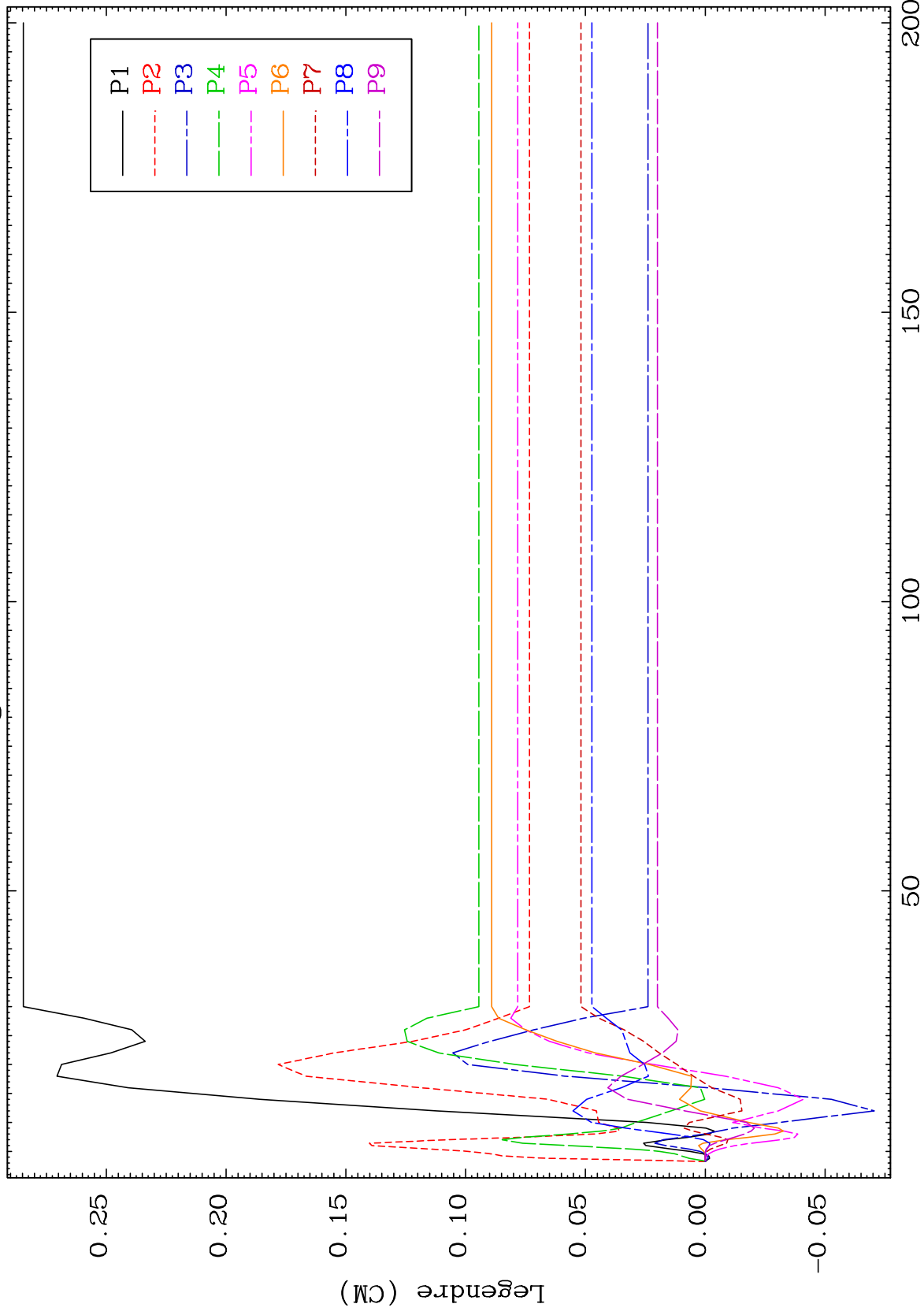




MAT 6225

MT= 79 (n,n') Level
Legendre Coefficients

62-Sm-144



123

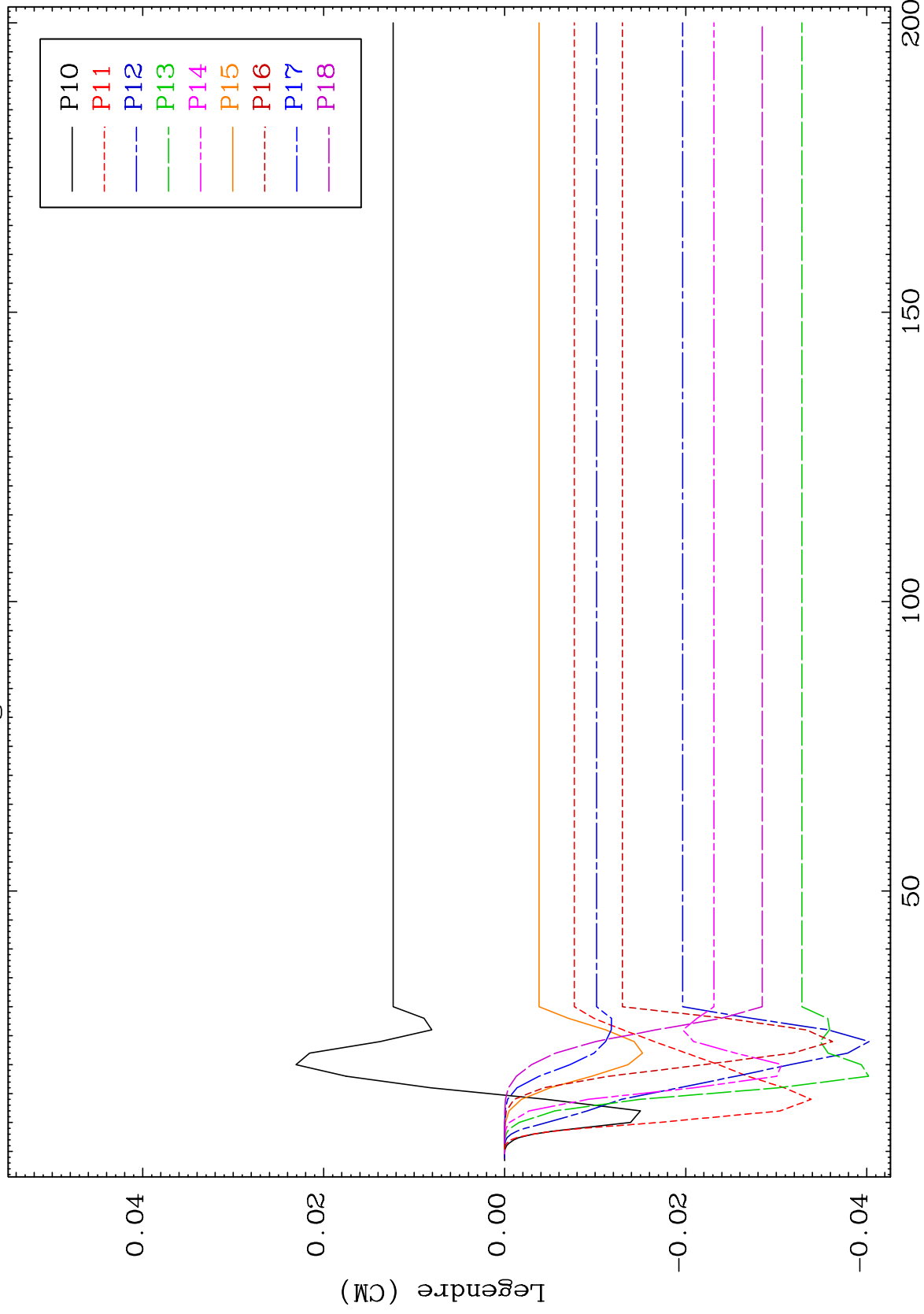
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 79 (n,n') Level
Legendre Coefficients

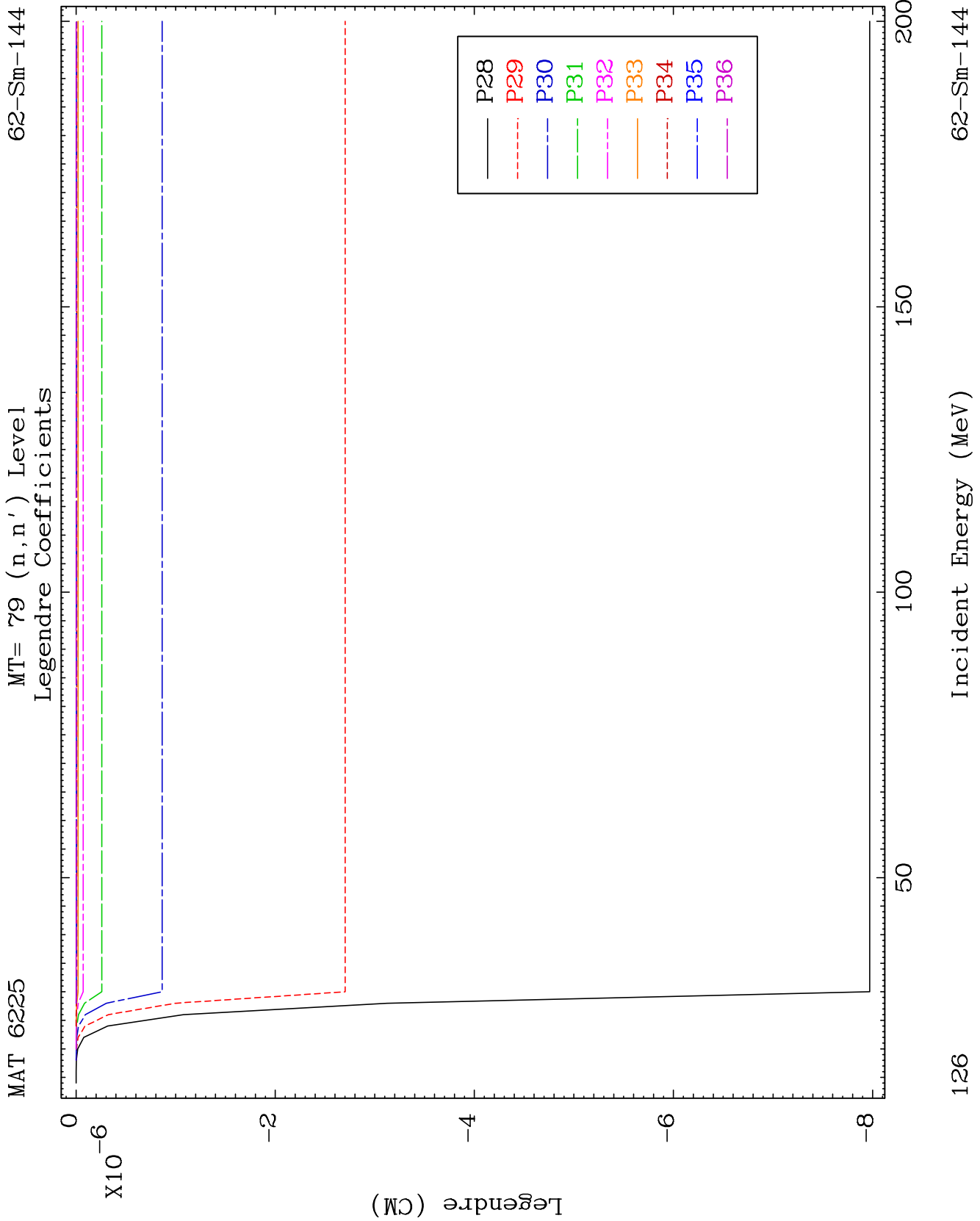
62-Sm-144



124

Incident Energy (MeV)

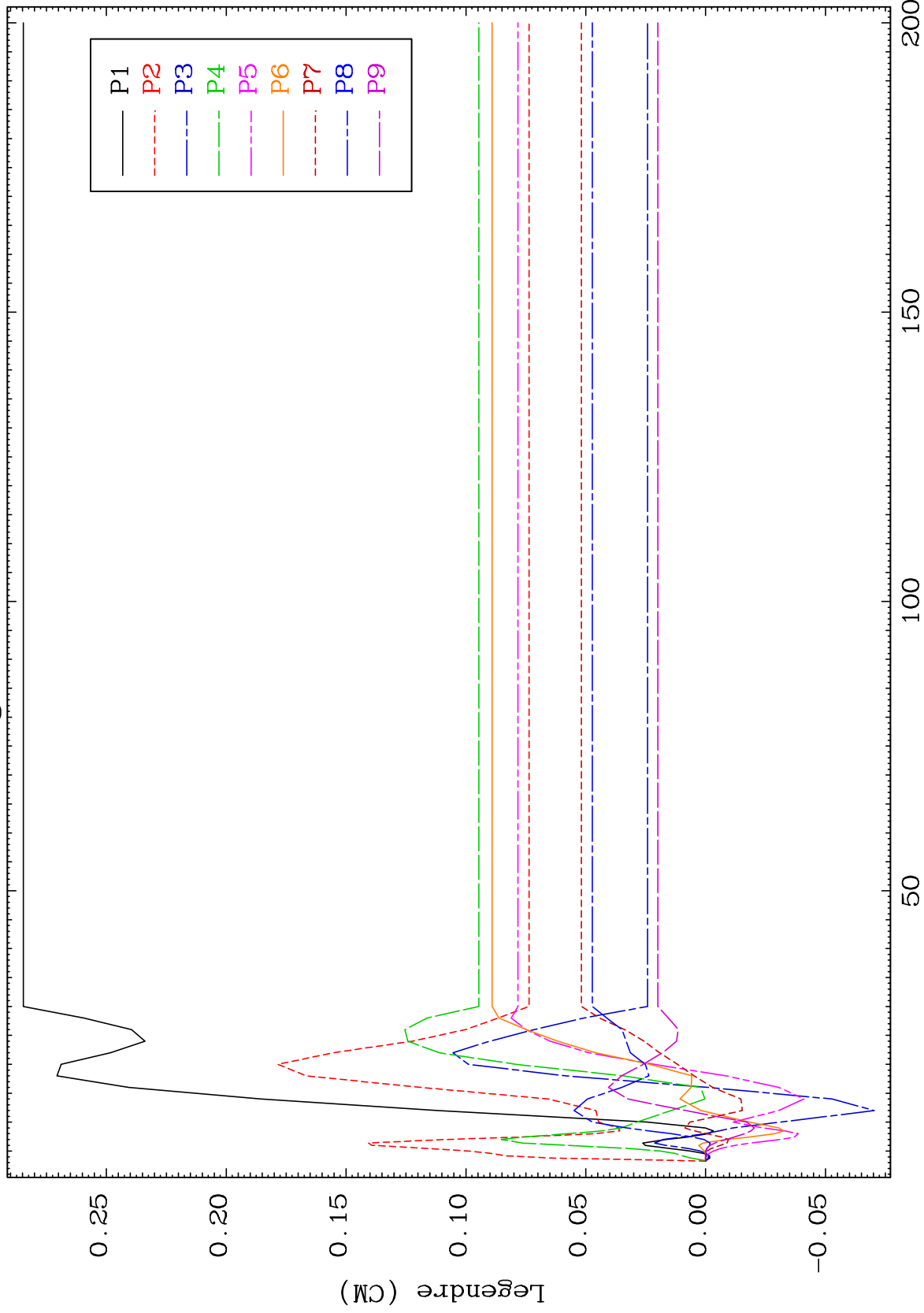
62-Sm-144



MAT 6225

MT= 80 (n,n') Level
Legendre Coefficients

62-Sm-144



127

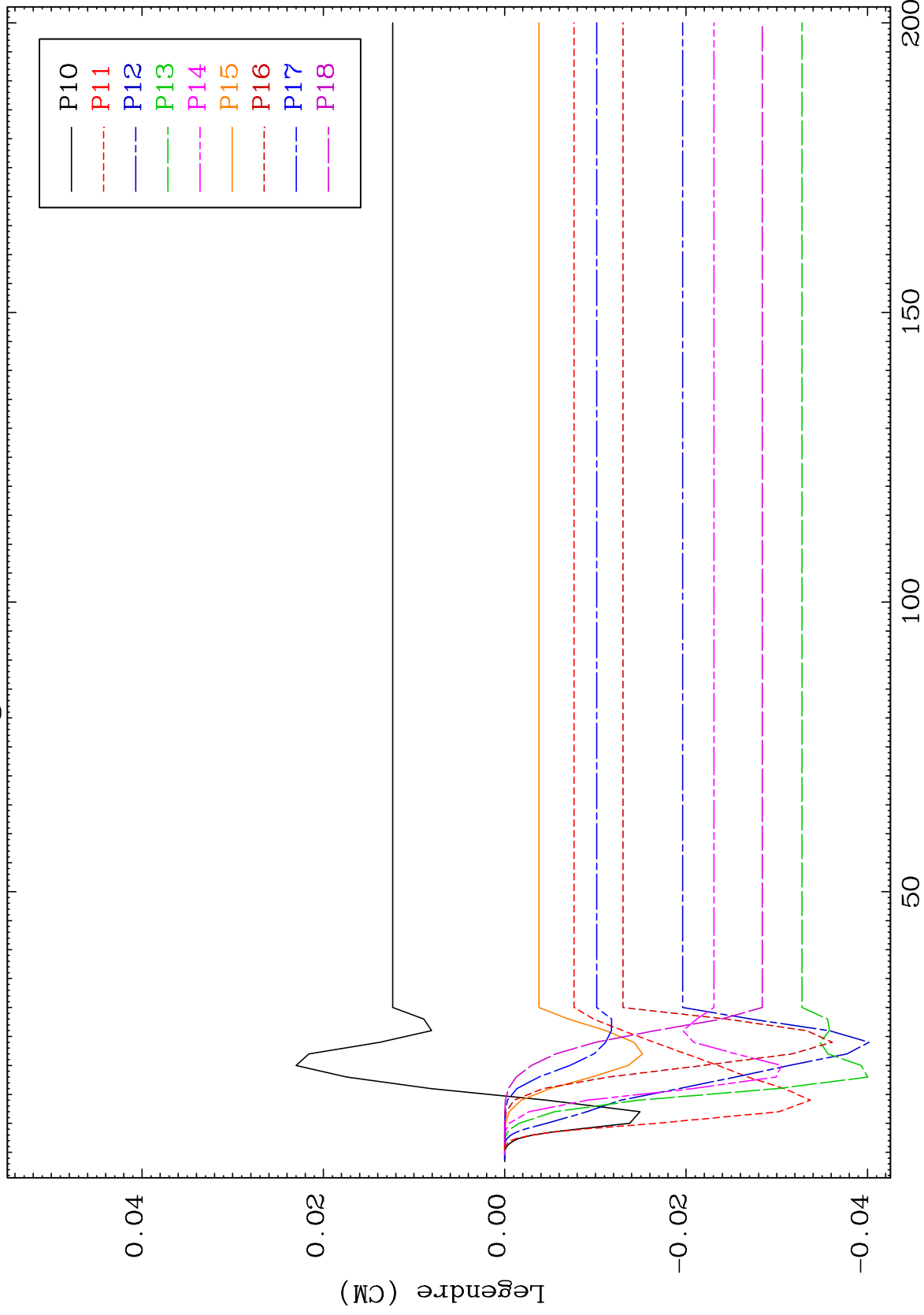
Incident Energy (MeV)

62-Sm-144

MAT 6225

MT= 80 (n,n') Level
Legendre Coefficients

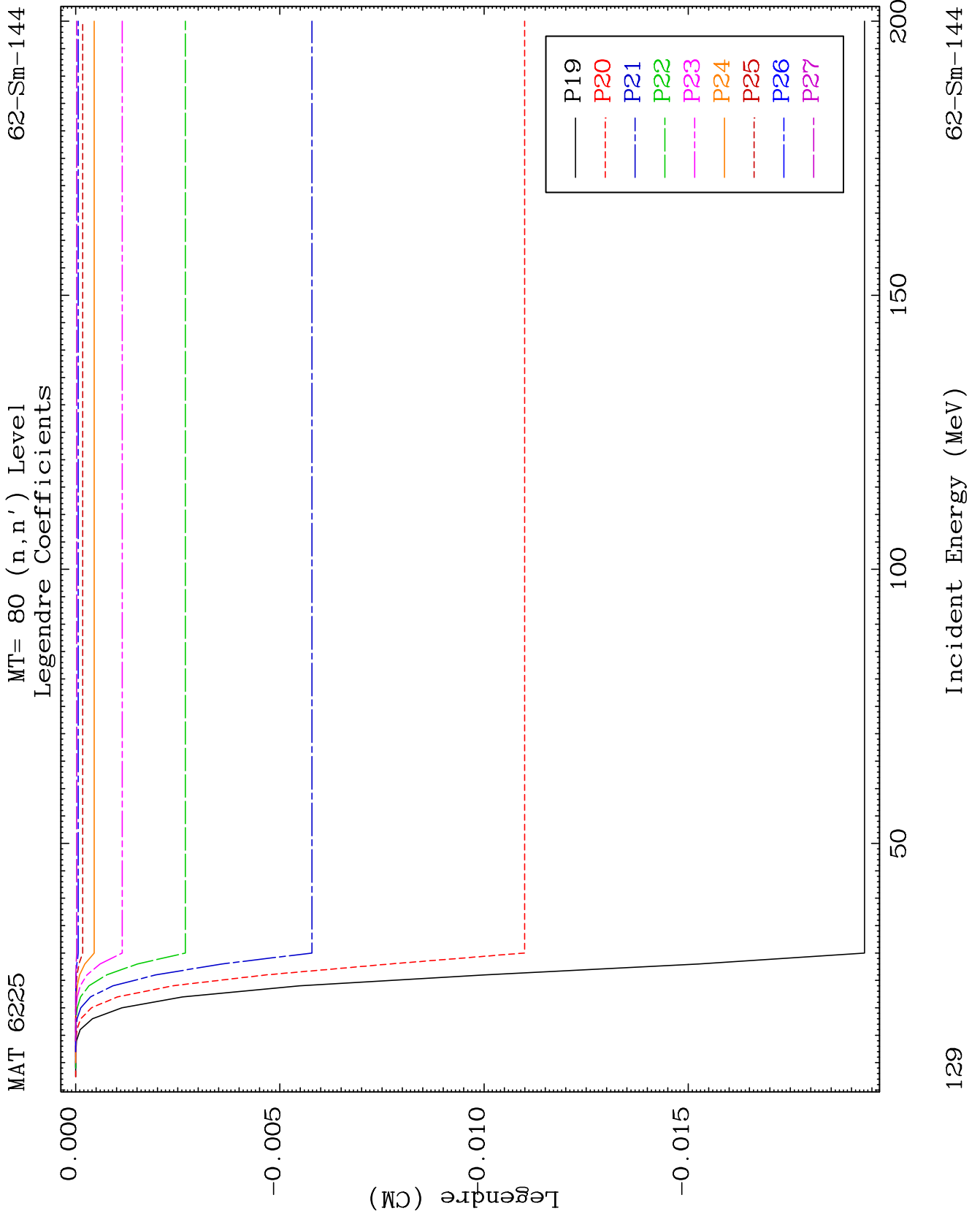
62-Sm-144

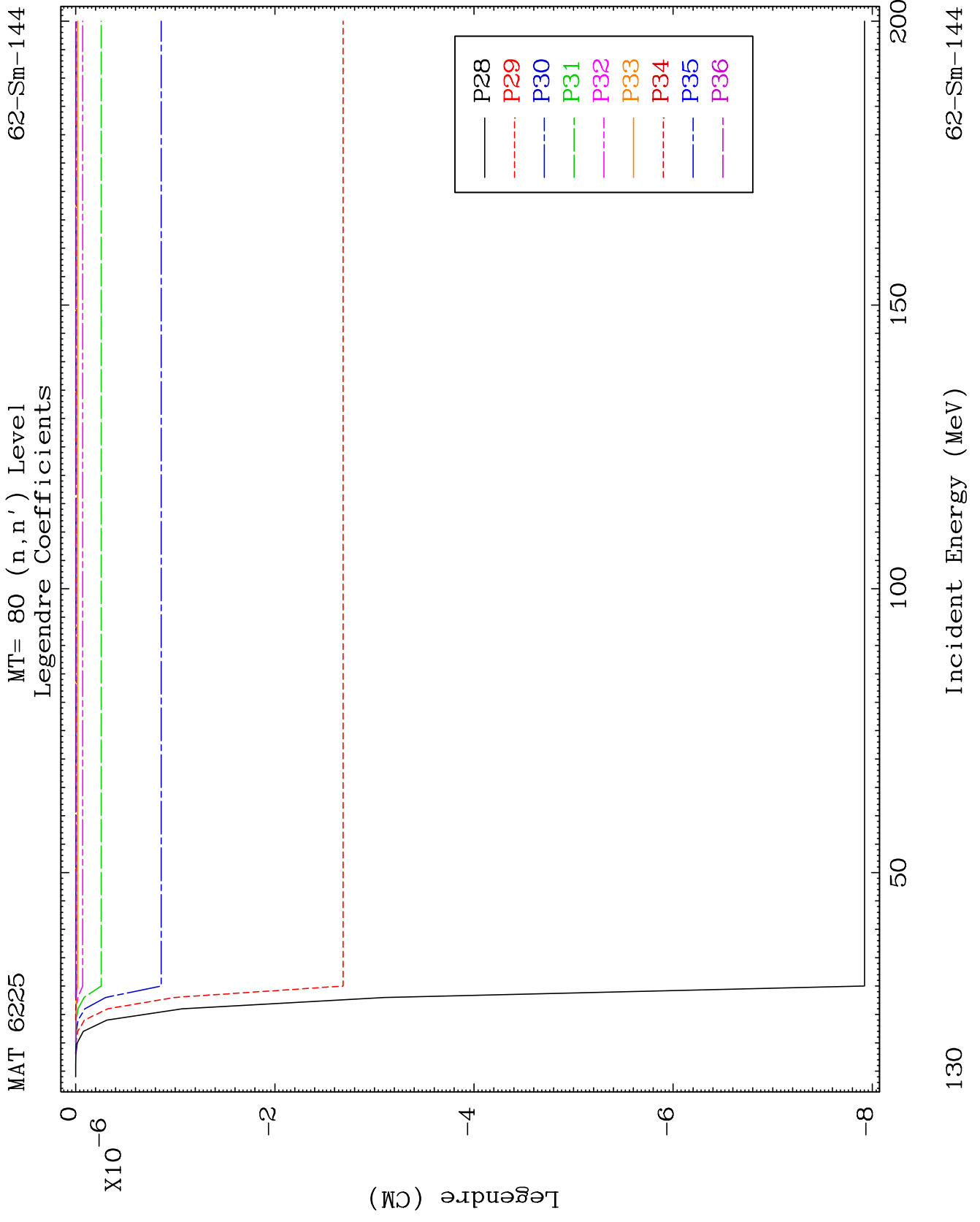


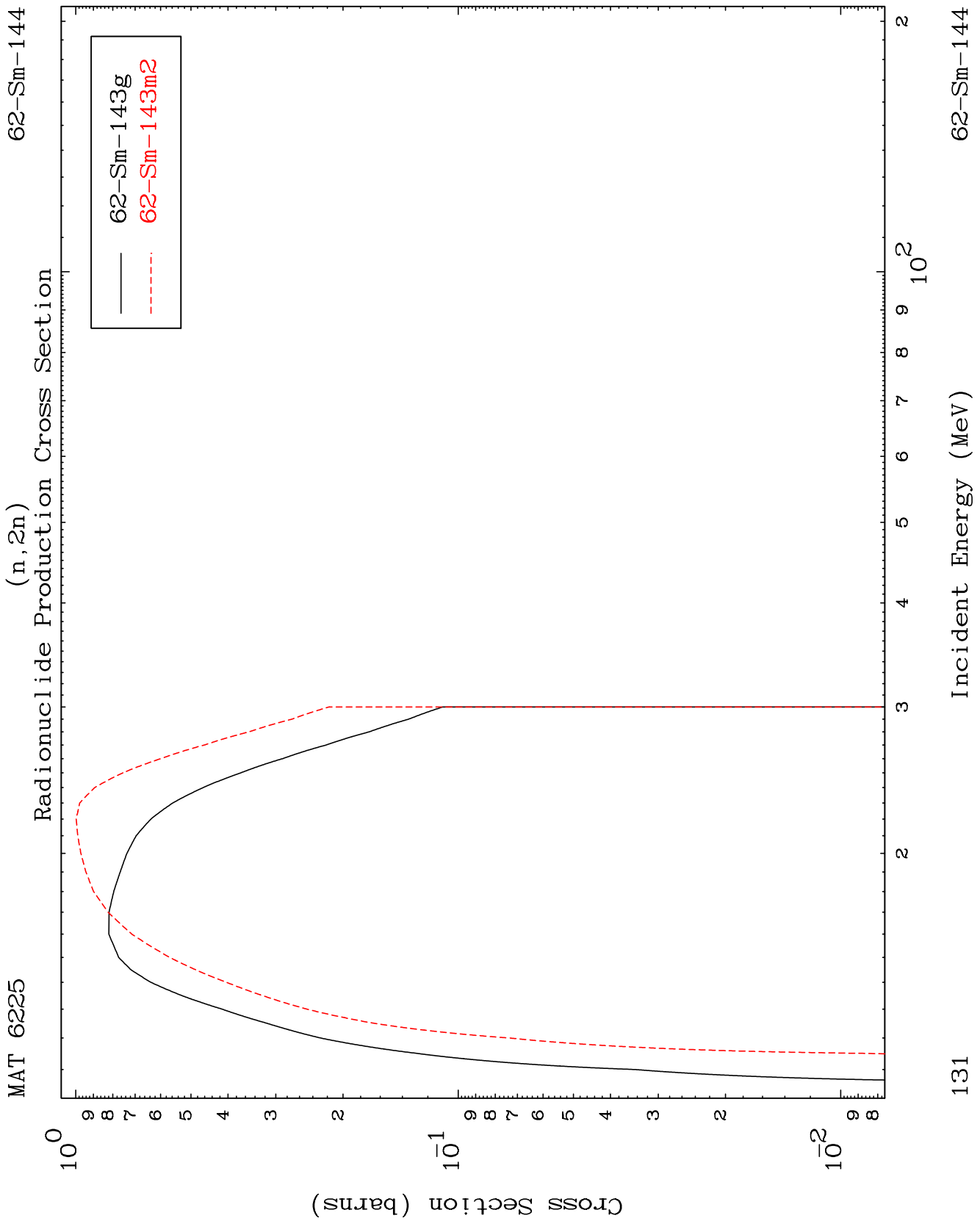
128

Incident Energy (MeV)

62-Sm-144





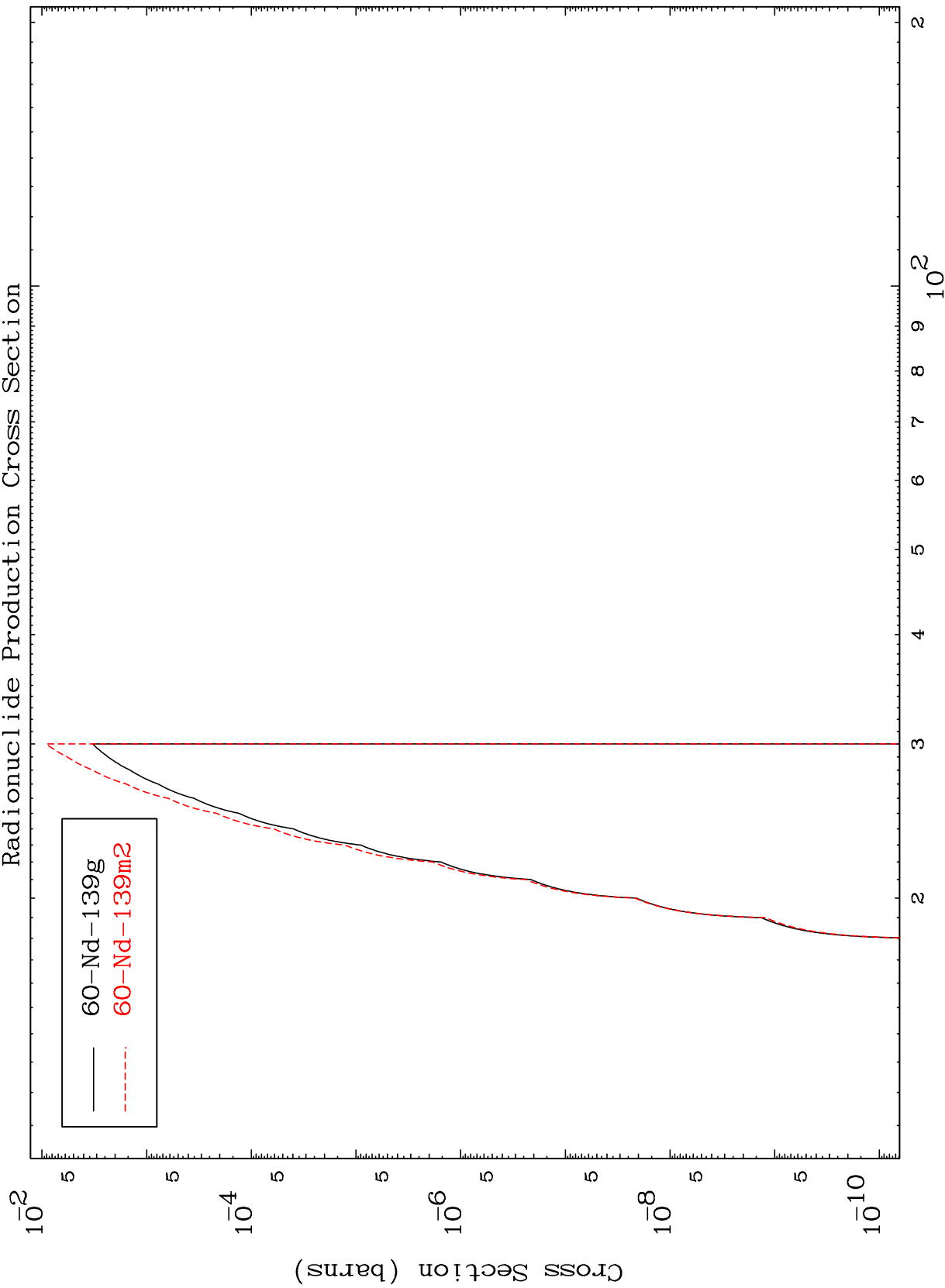


MAT 6225

62-Sm-144

(n,2n) α

Radionuclide Production Cross Section



132

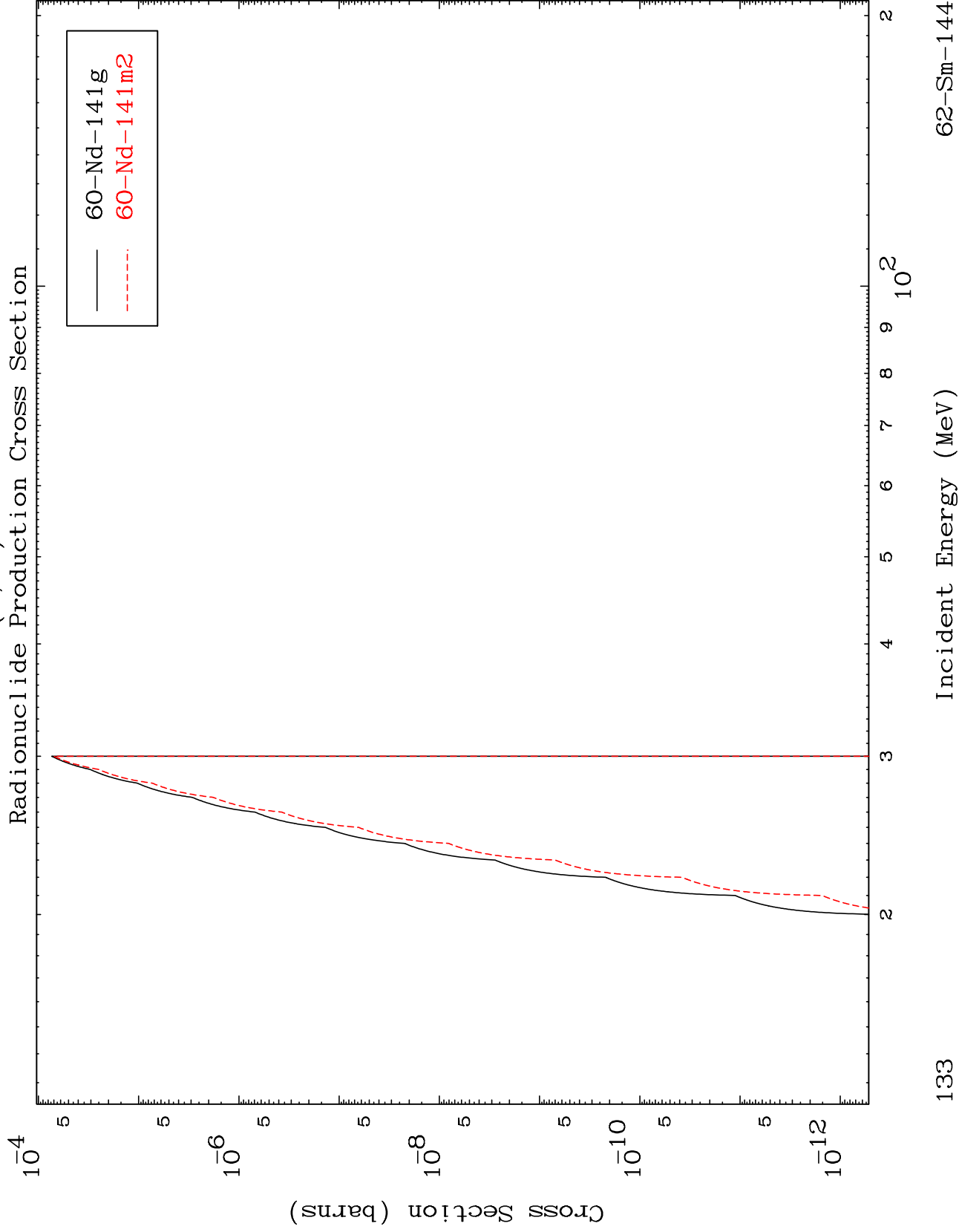
Incident Energy (MeV)

62-Sm-144

MAT 6225

(n,n') He-3

62-Sm-144



133

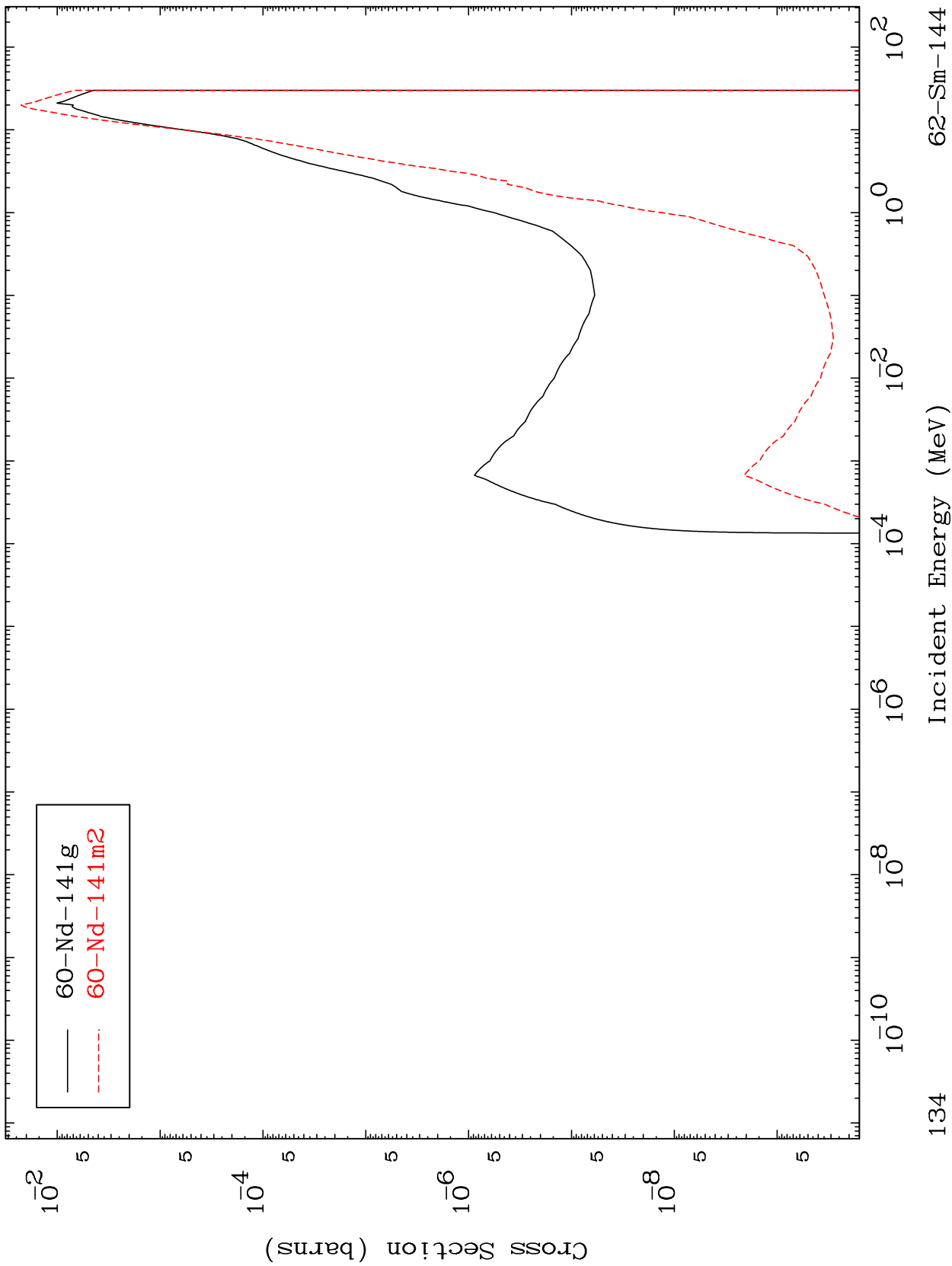
62-Sm-144

MAT 6225

(n, α)

62-Sm-144

Radionuclide Production Cross Section

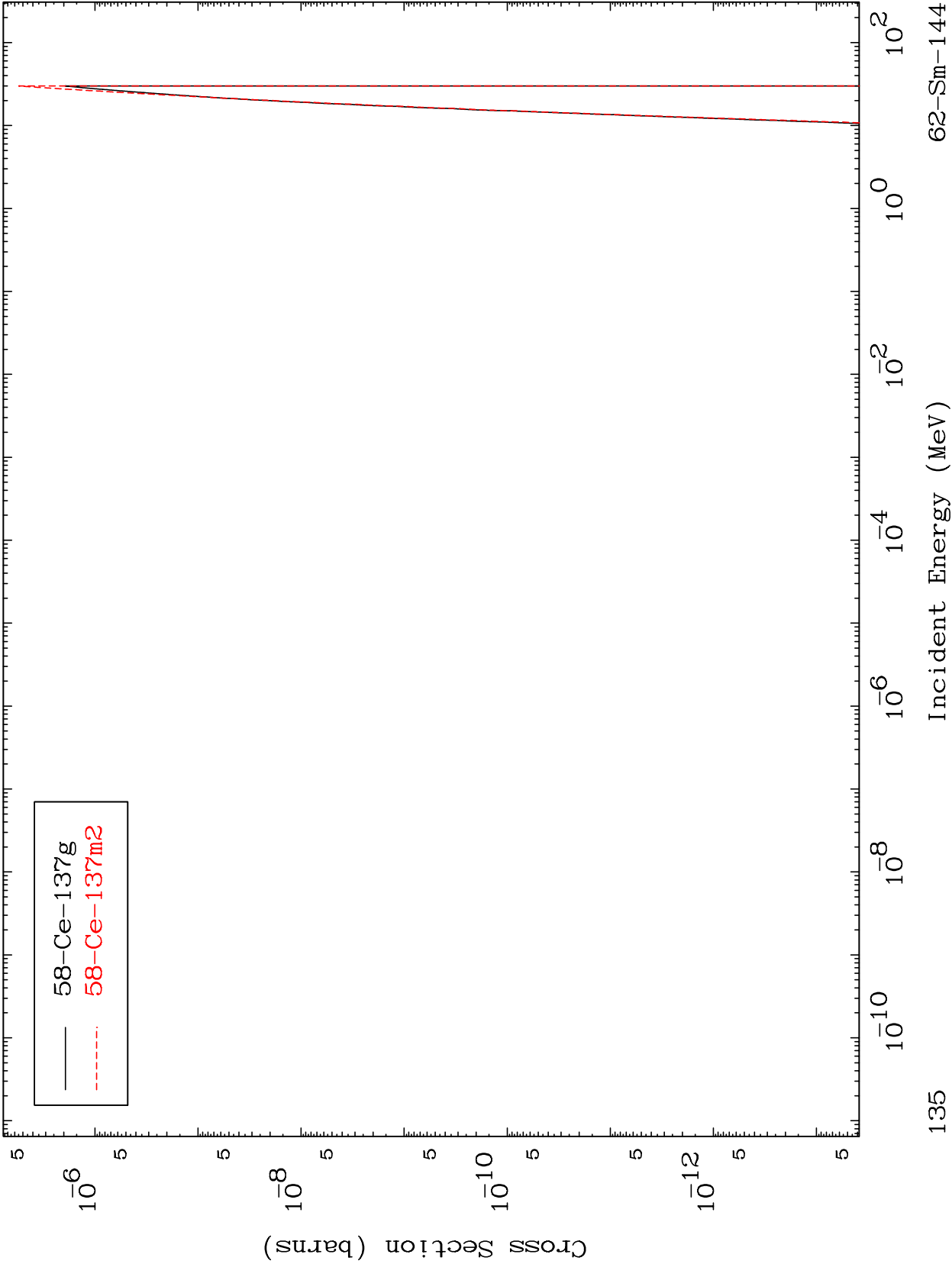


MAT 6225

(n,2α)

62-Sm-144

Radionuclide Production Cross Section



135

Incident Energy (MeV)

62-Sm-144

Radionuclide Production Cross Section

