

Program EVALPLOT
(Version 2021-1)

by

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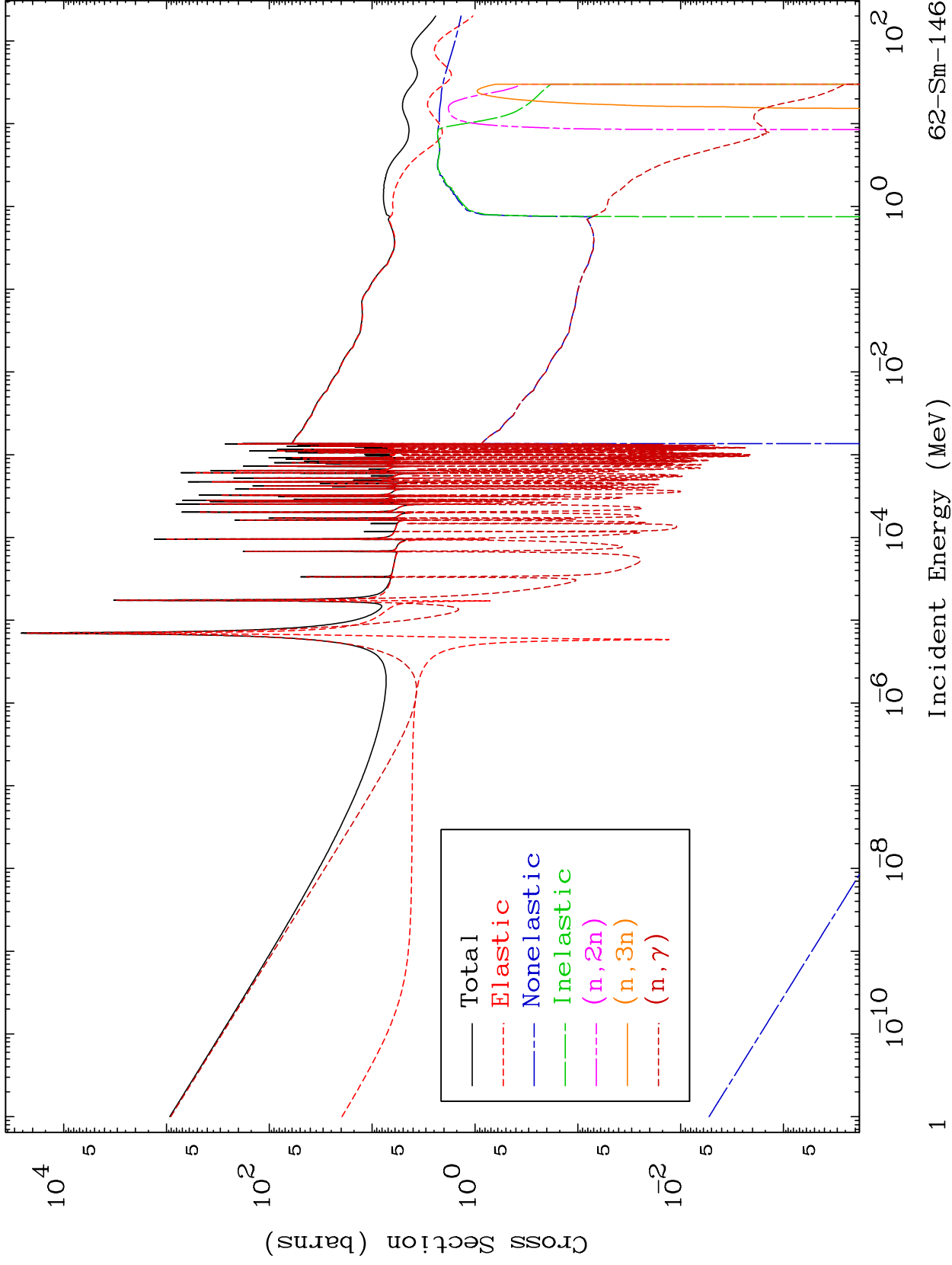
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Press Mouse Button to Start

MAT 6231

Neutron Major
293 Kelvin Cross Sections

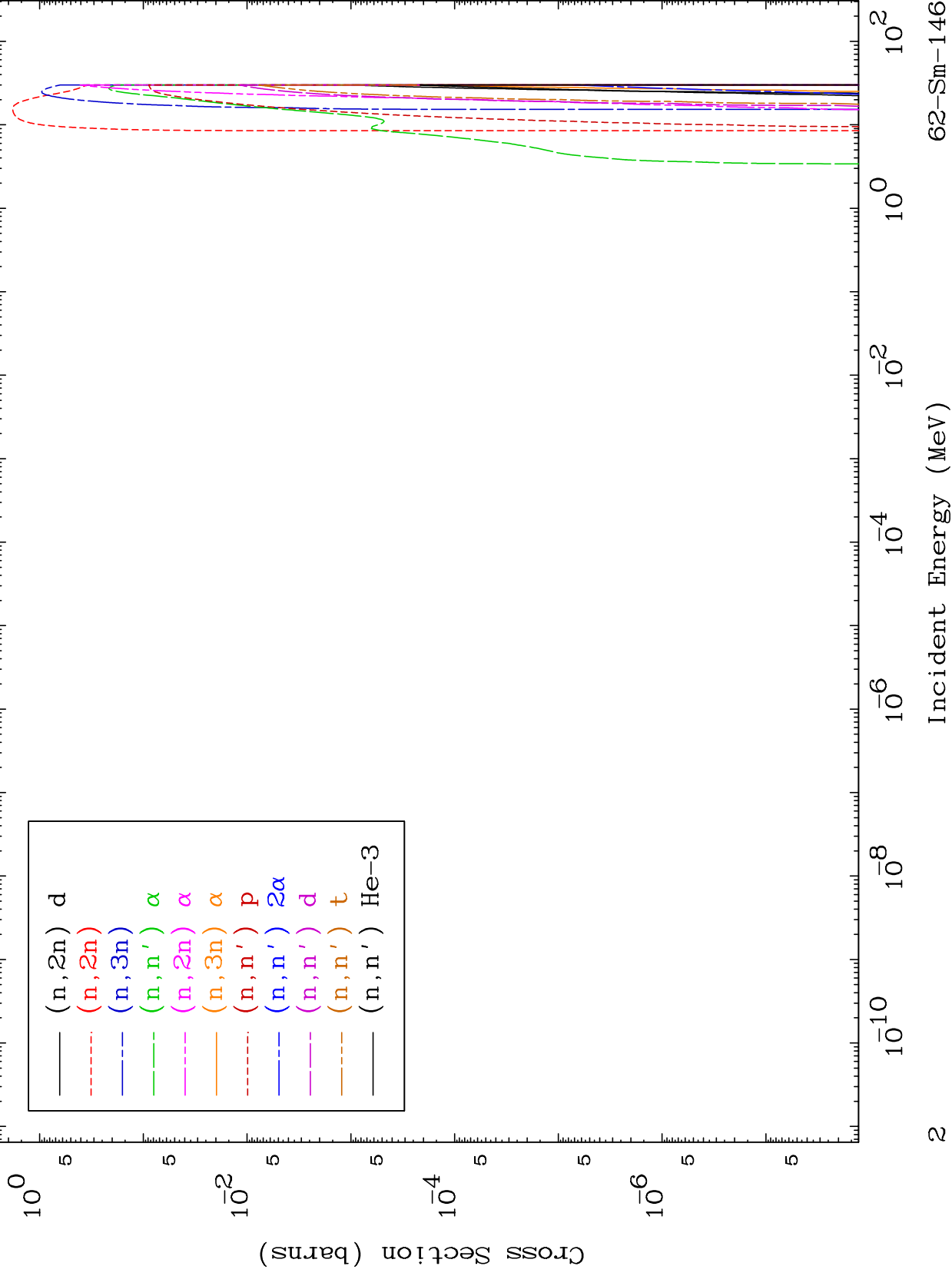
62-Sm-146



MAT 6231

Neutron Absorption
293 Kelvin Cross Sections

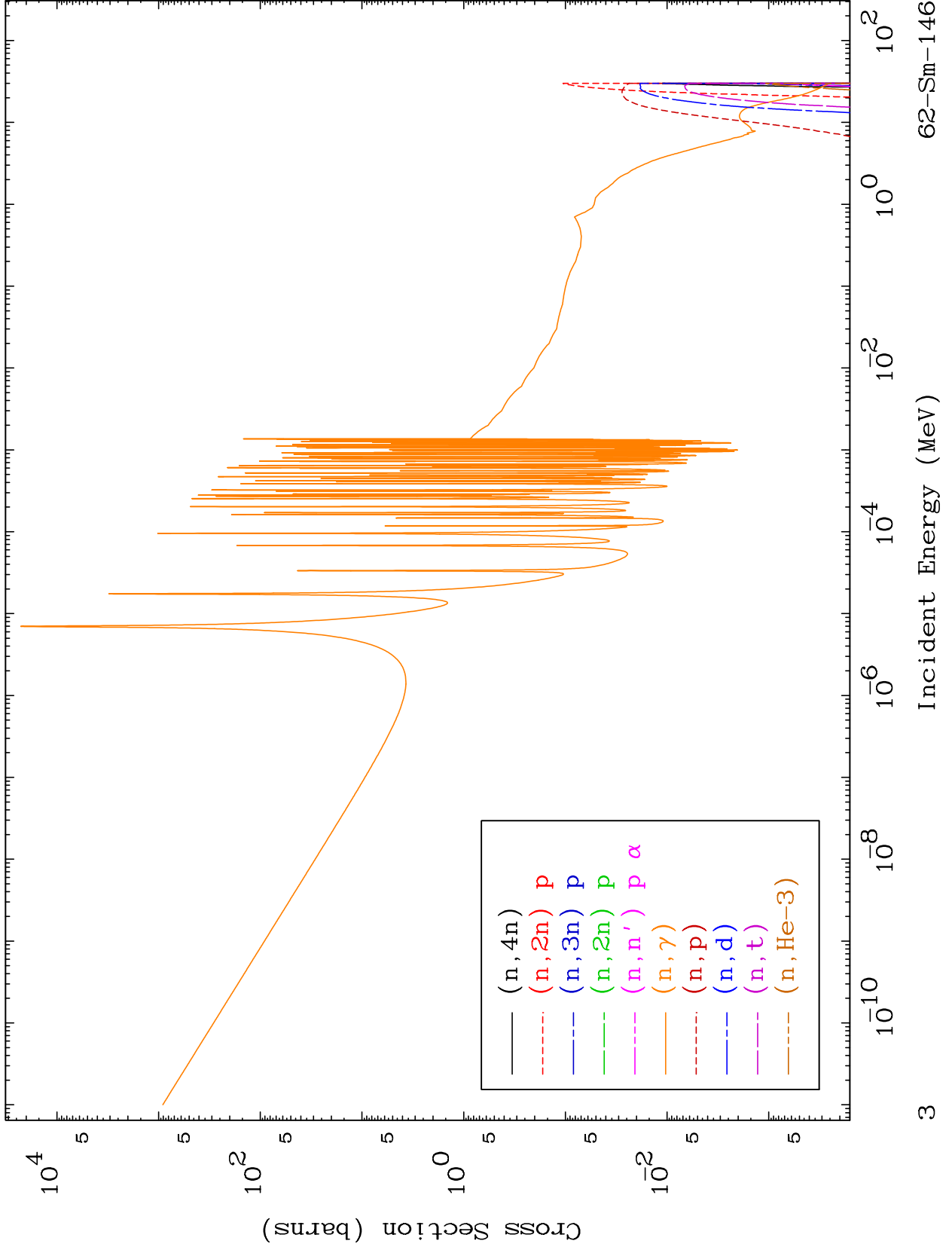
62-Sm-146



MAT 6231

Neutron Absorption
293 Kelvin Cross Sections

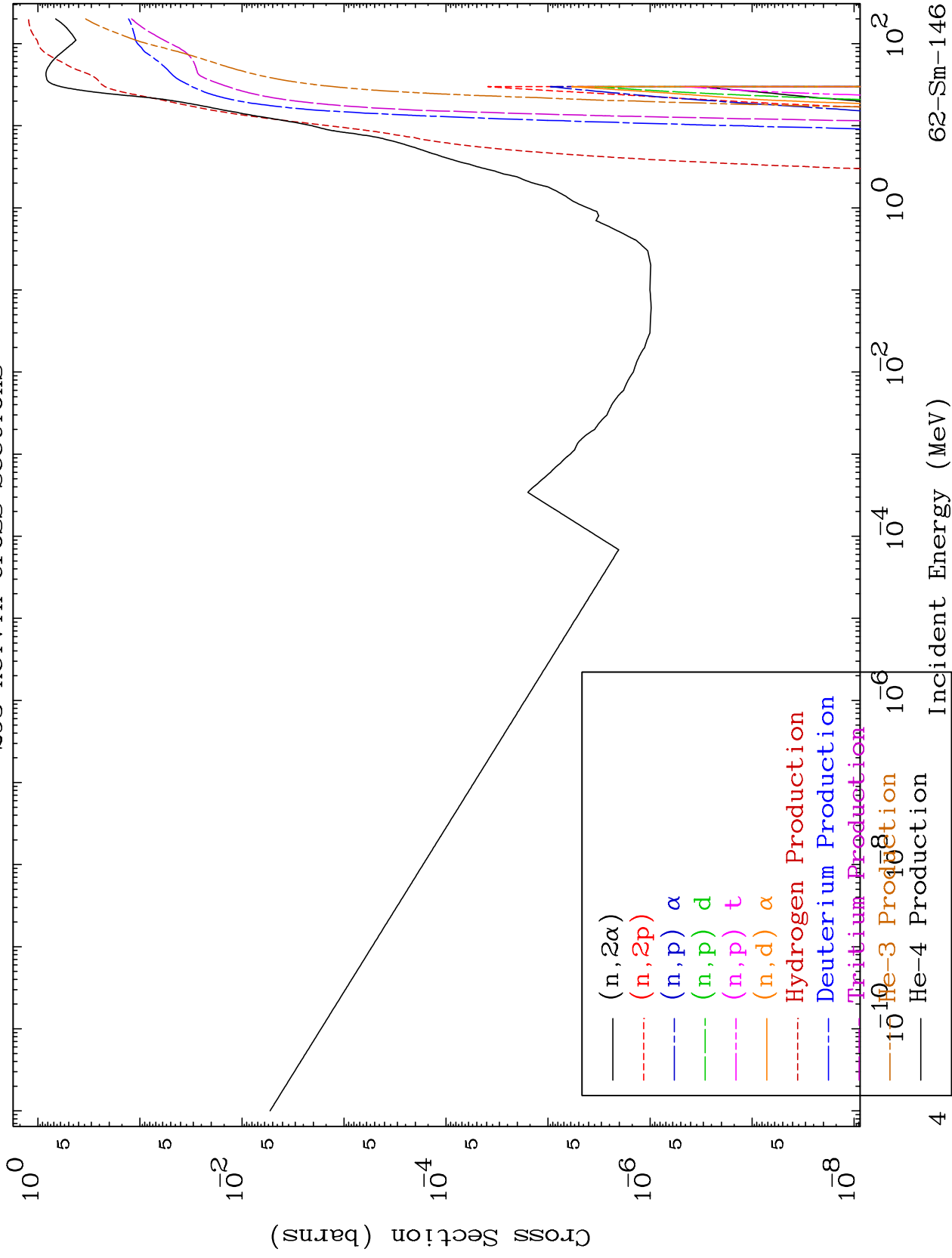
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MAT 6231

Neutron Absorption
293 Kelvin Cross Sections

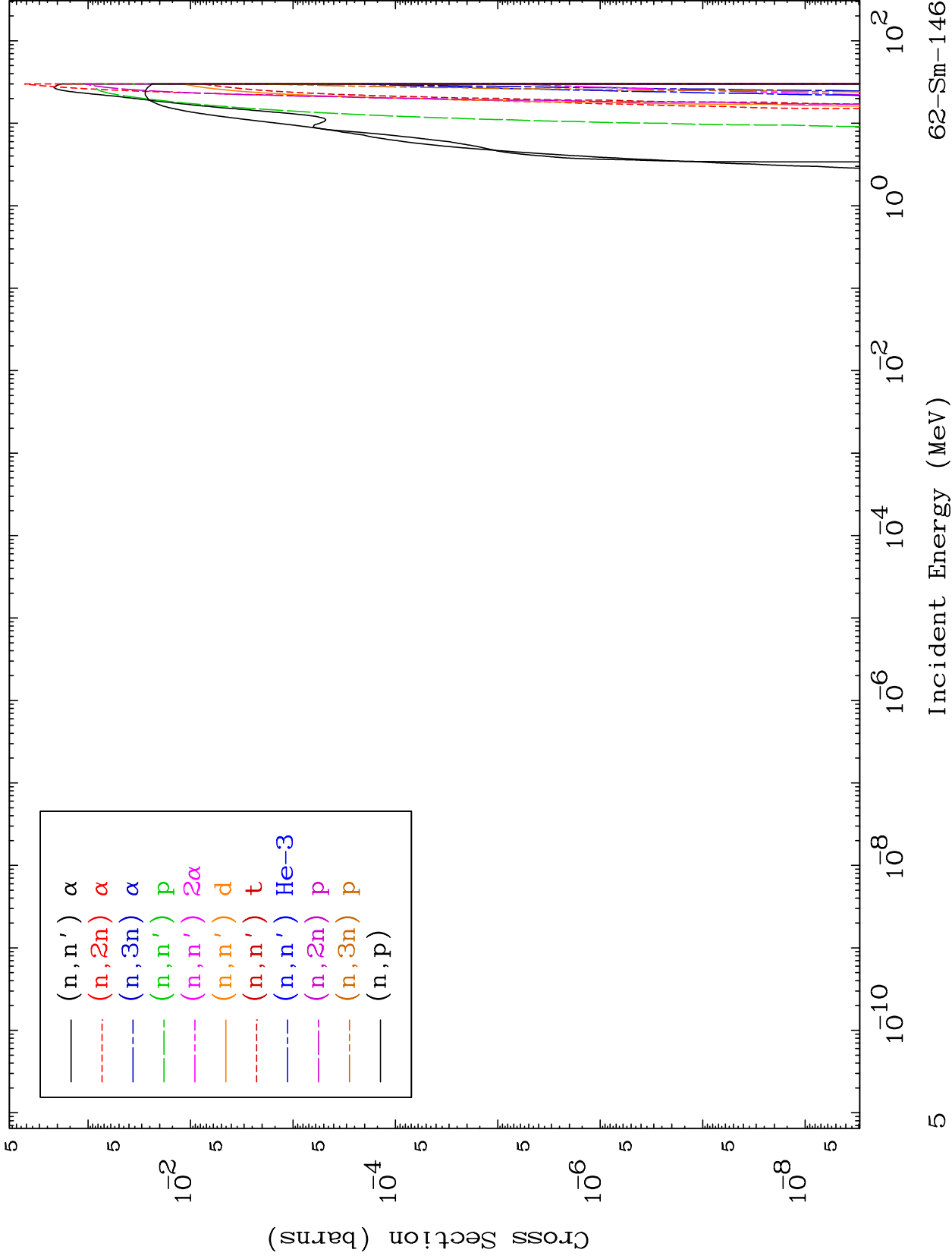
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MAT 6231

Charged Particle
293 Kelvin Cross Sections

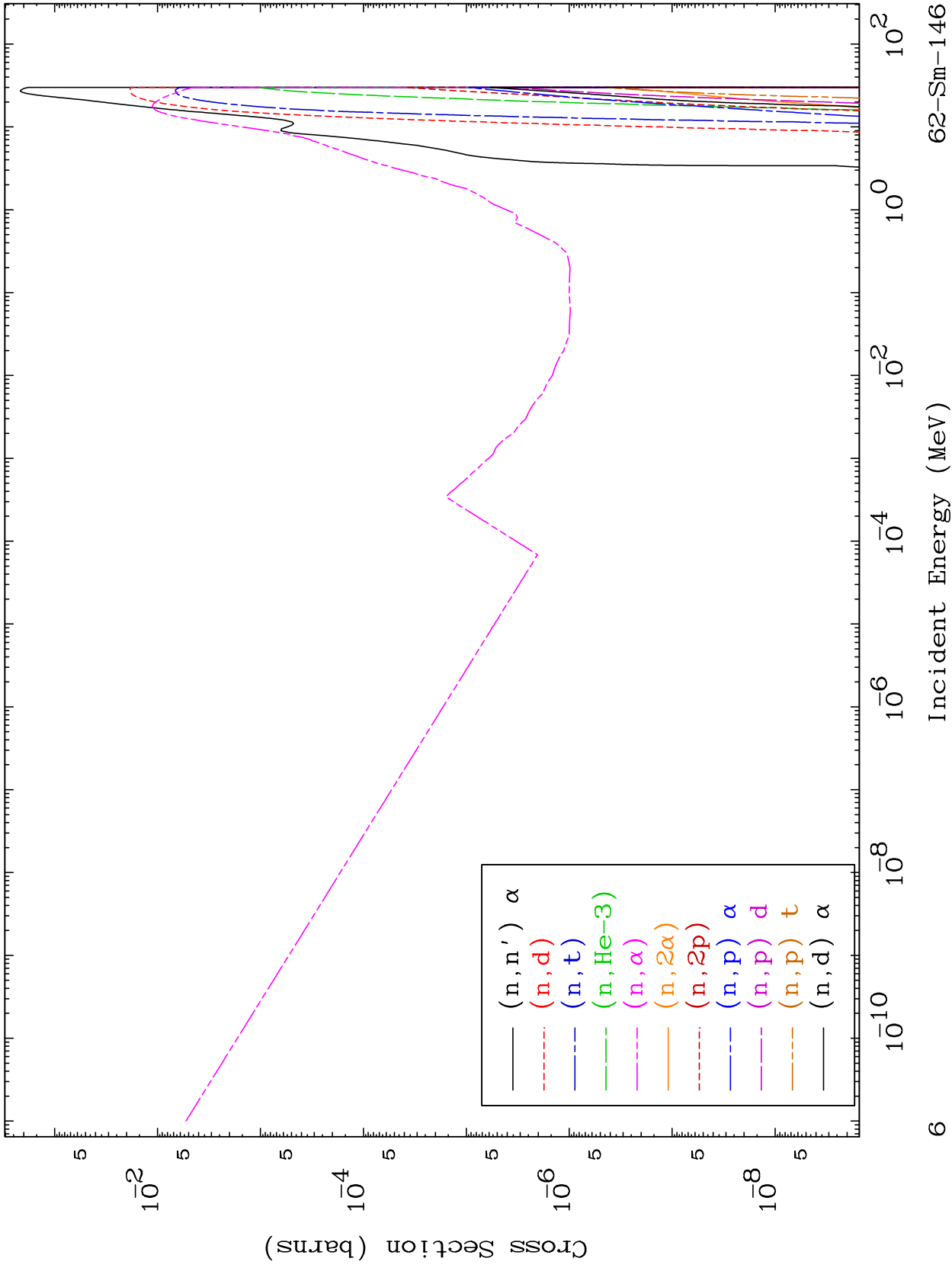
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MAT 6231

Charged Particle
293 Kelvin Cross Sections

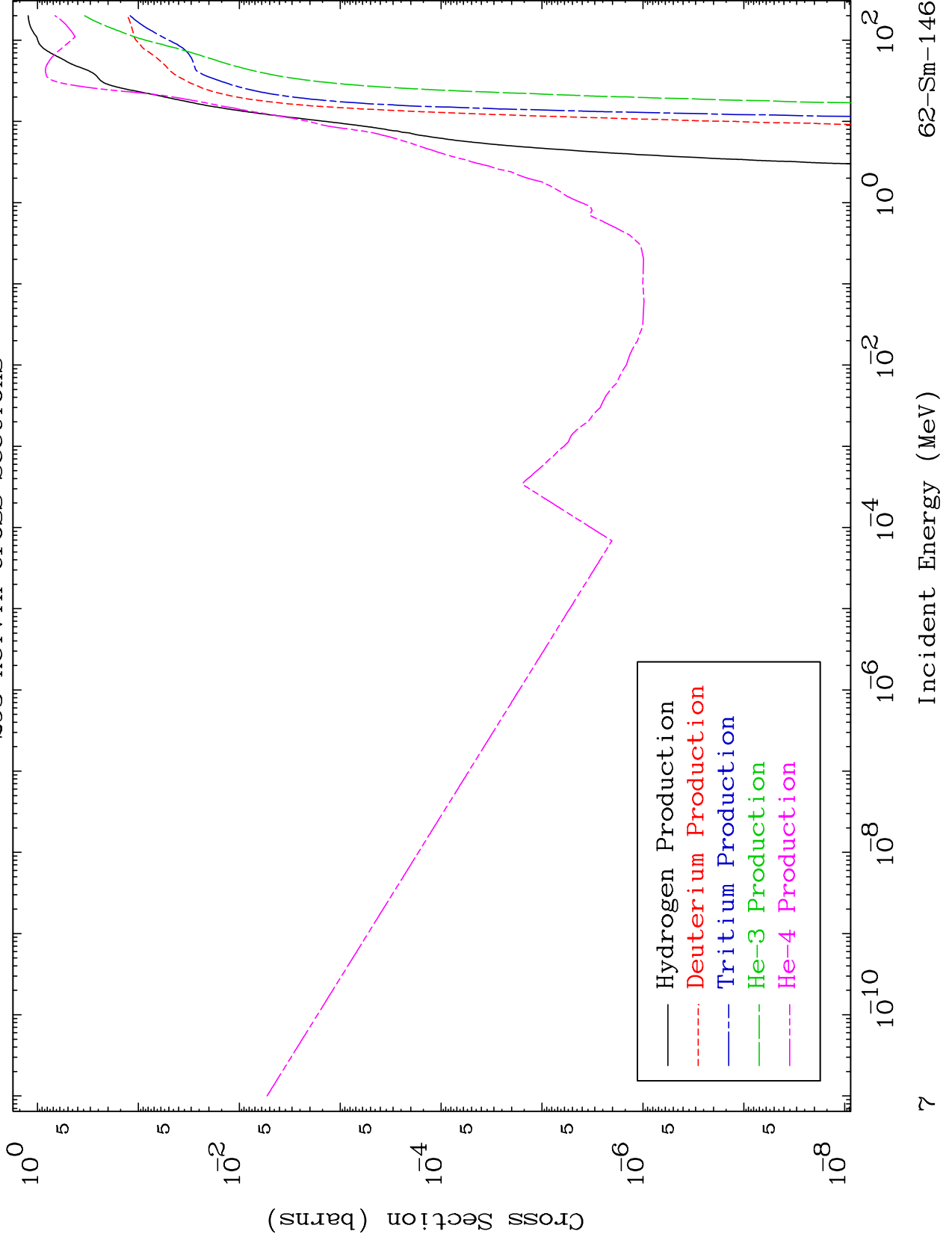
62-Sm-146



MAT 6231

Particle Production
293 Kelvin Cross Sections

62-Sm-146

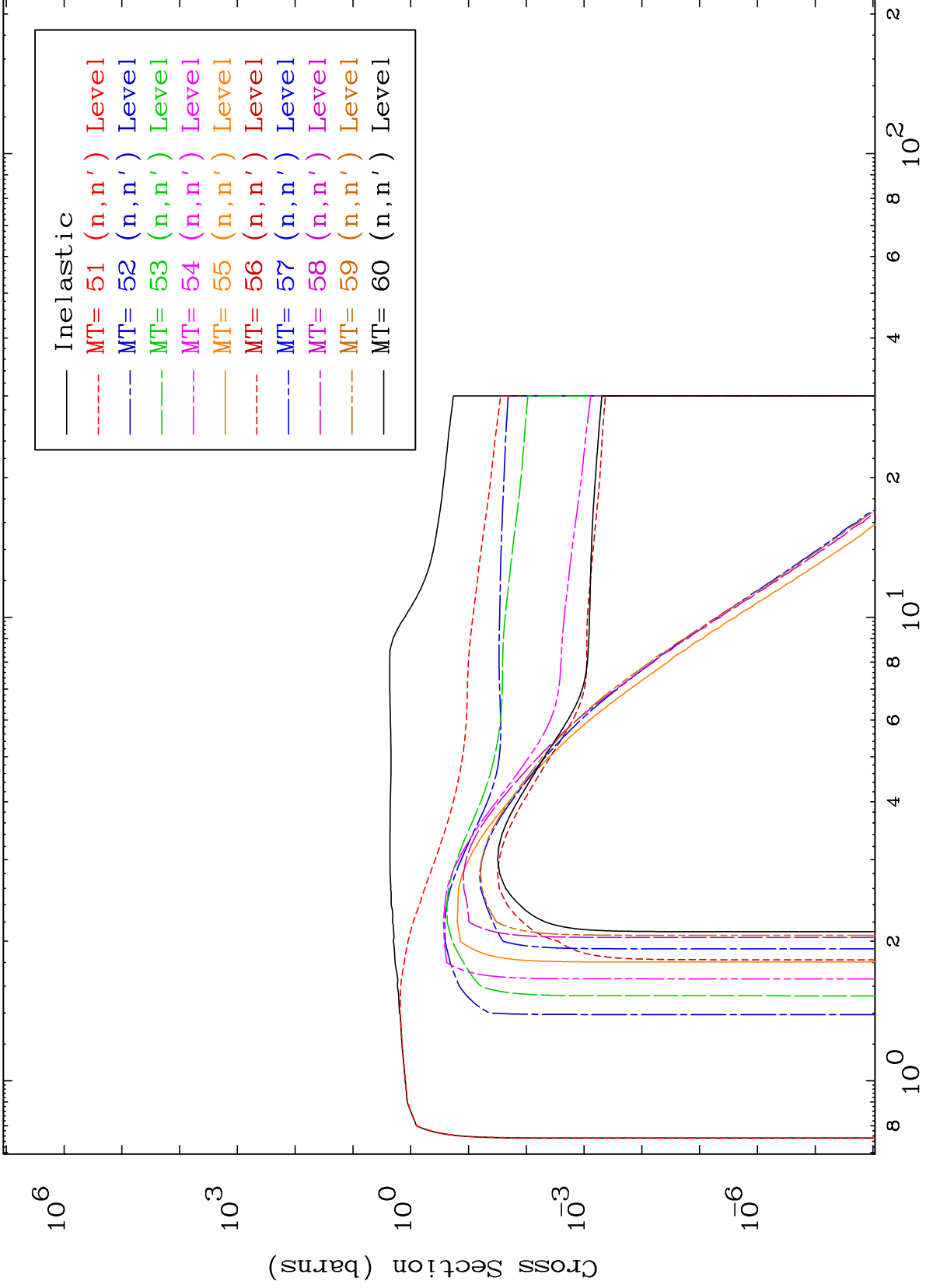


MAT 6231

(n,n') Levels

62-Sm-146

293 Kelvin Cross Sections



8

Incident Energy (MeV)

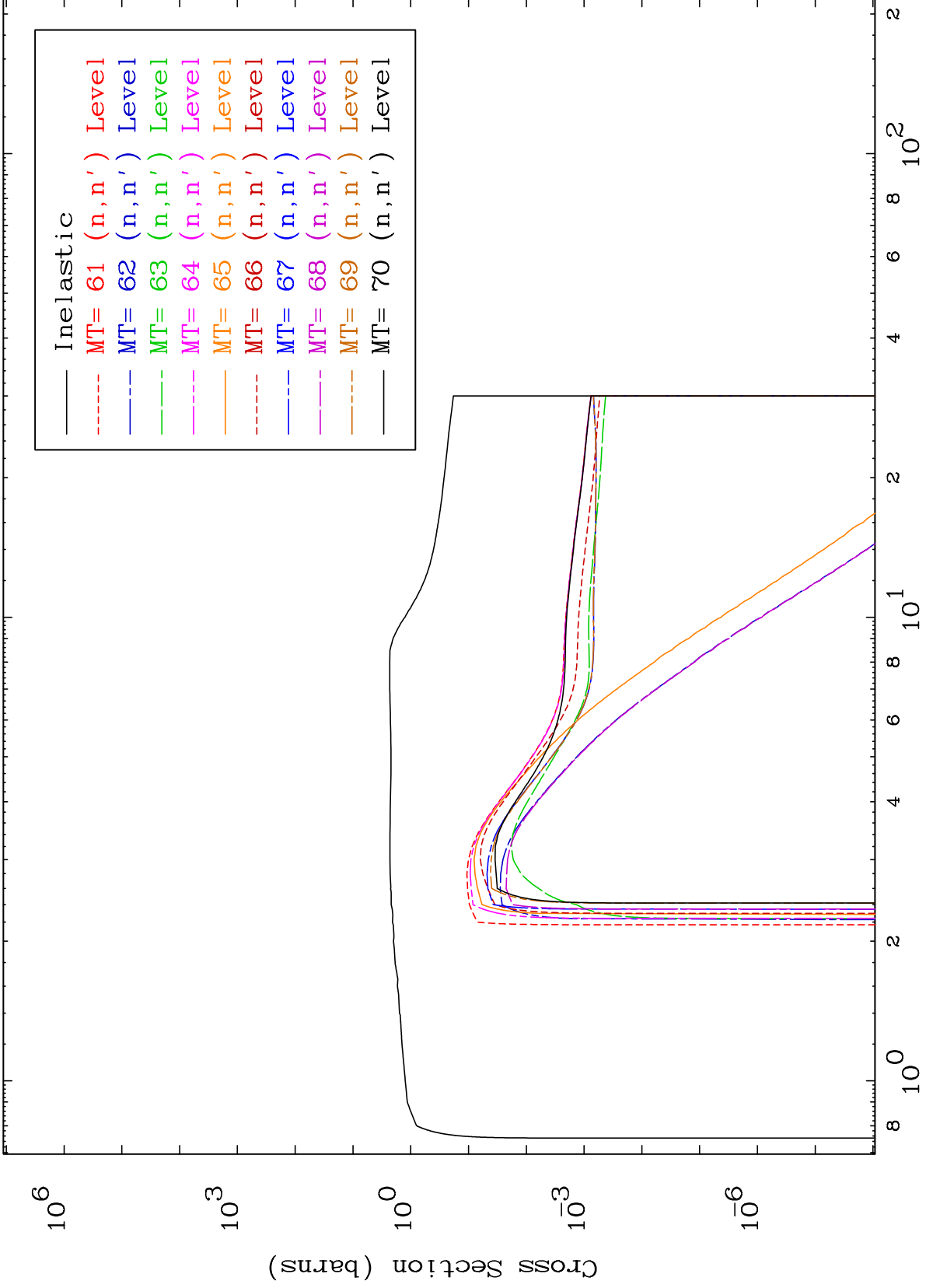
62-Sm-146

MAT 6231

(n,n') Levels

62-Sm-146

293 Kelvin Cross Sections



9

Incident Energy (MeV)

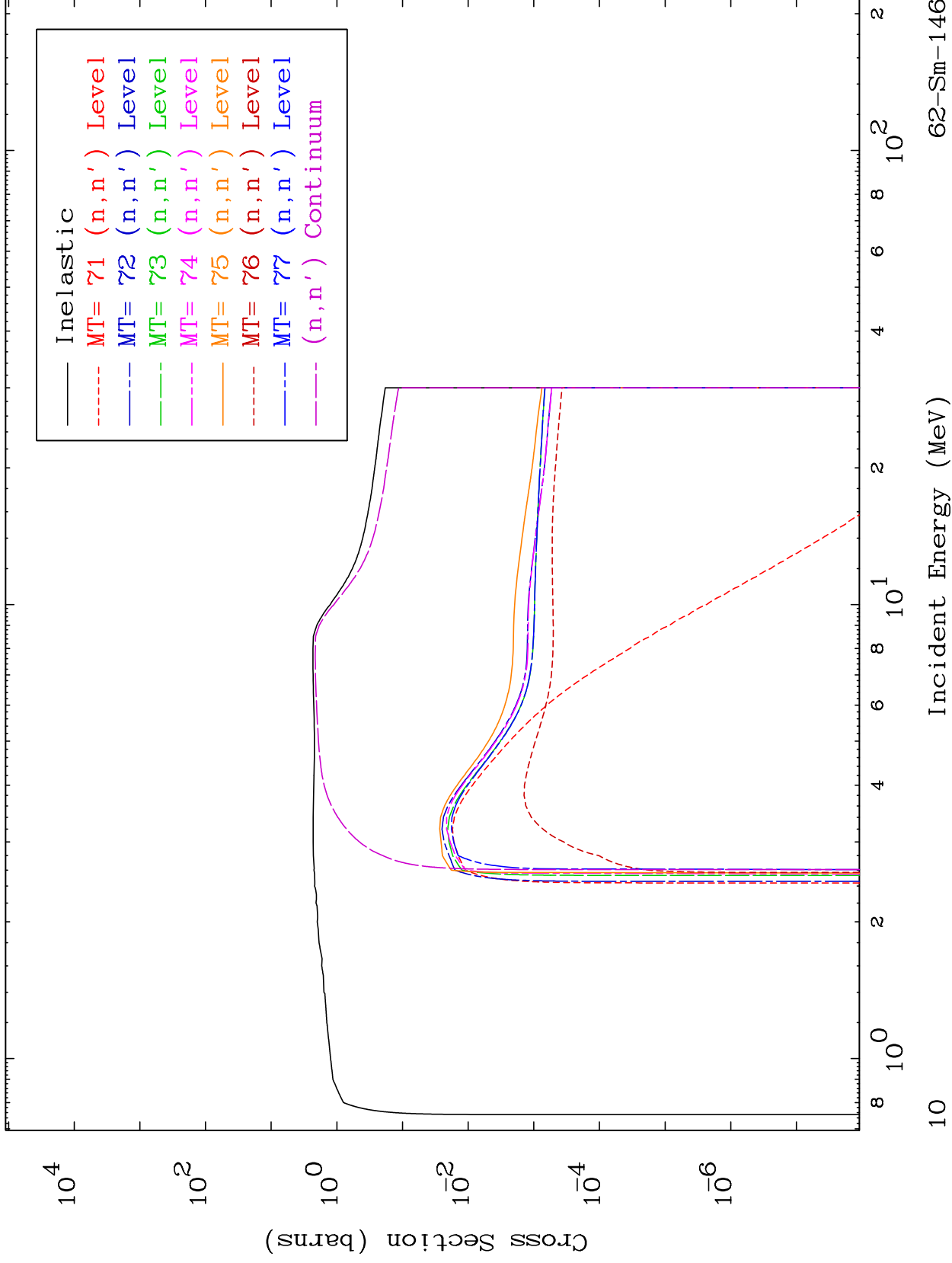
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MAT 6231

(n,n') Levels

293 Kelvin Cross Sections

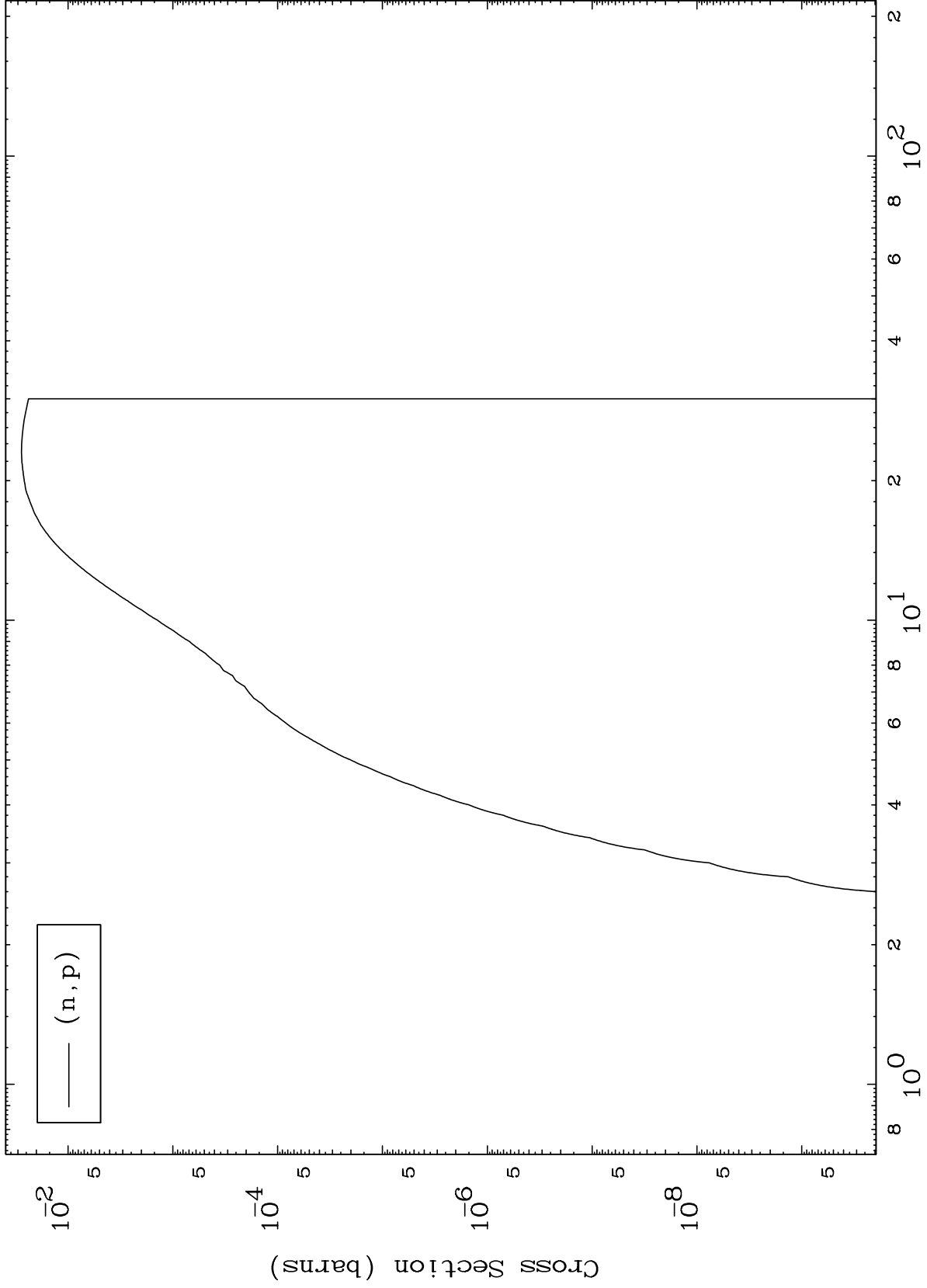
62-Sm-146



MAT 6231

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-146



11

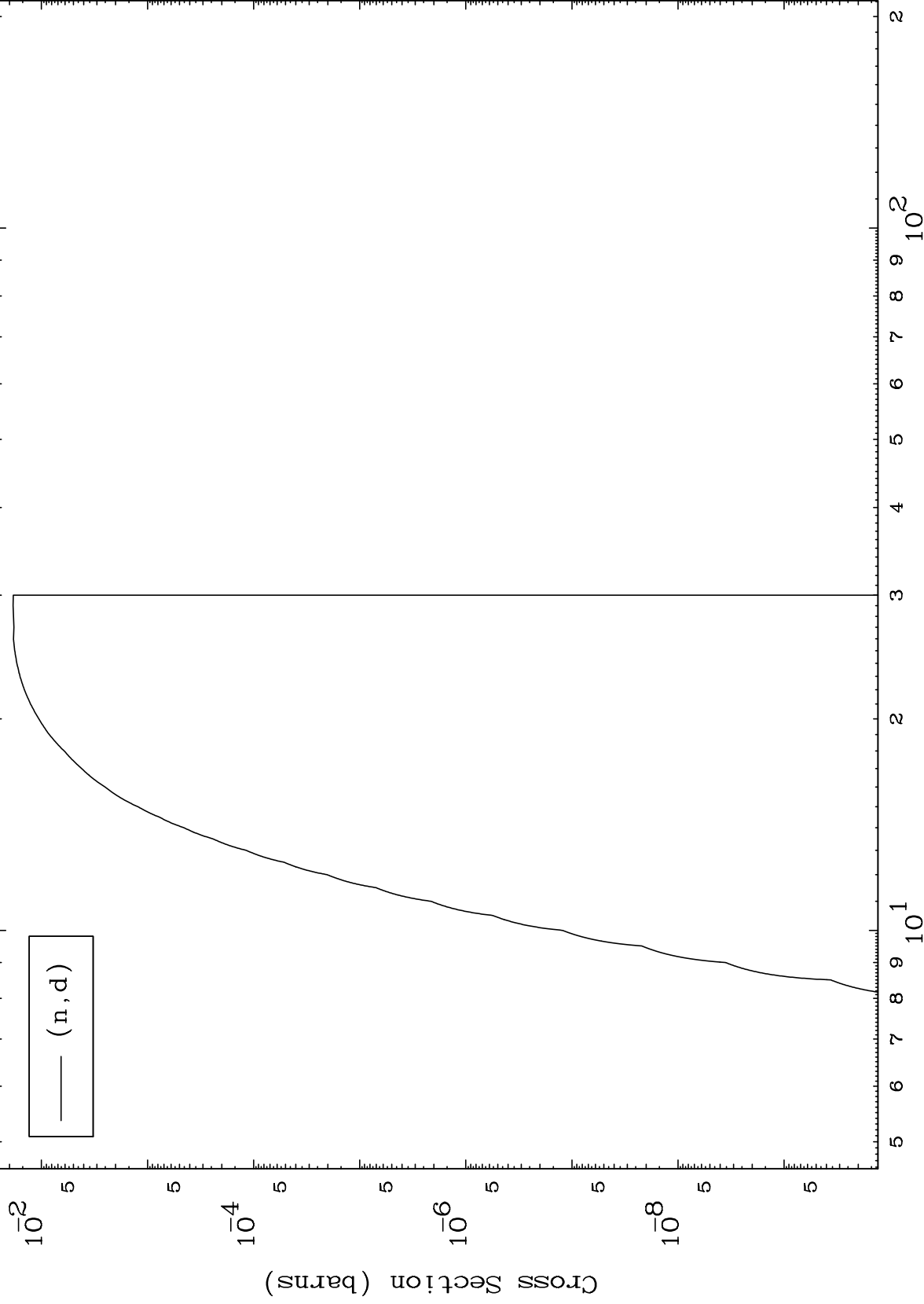
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-146



12

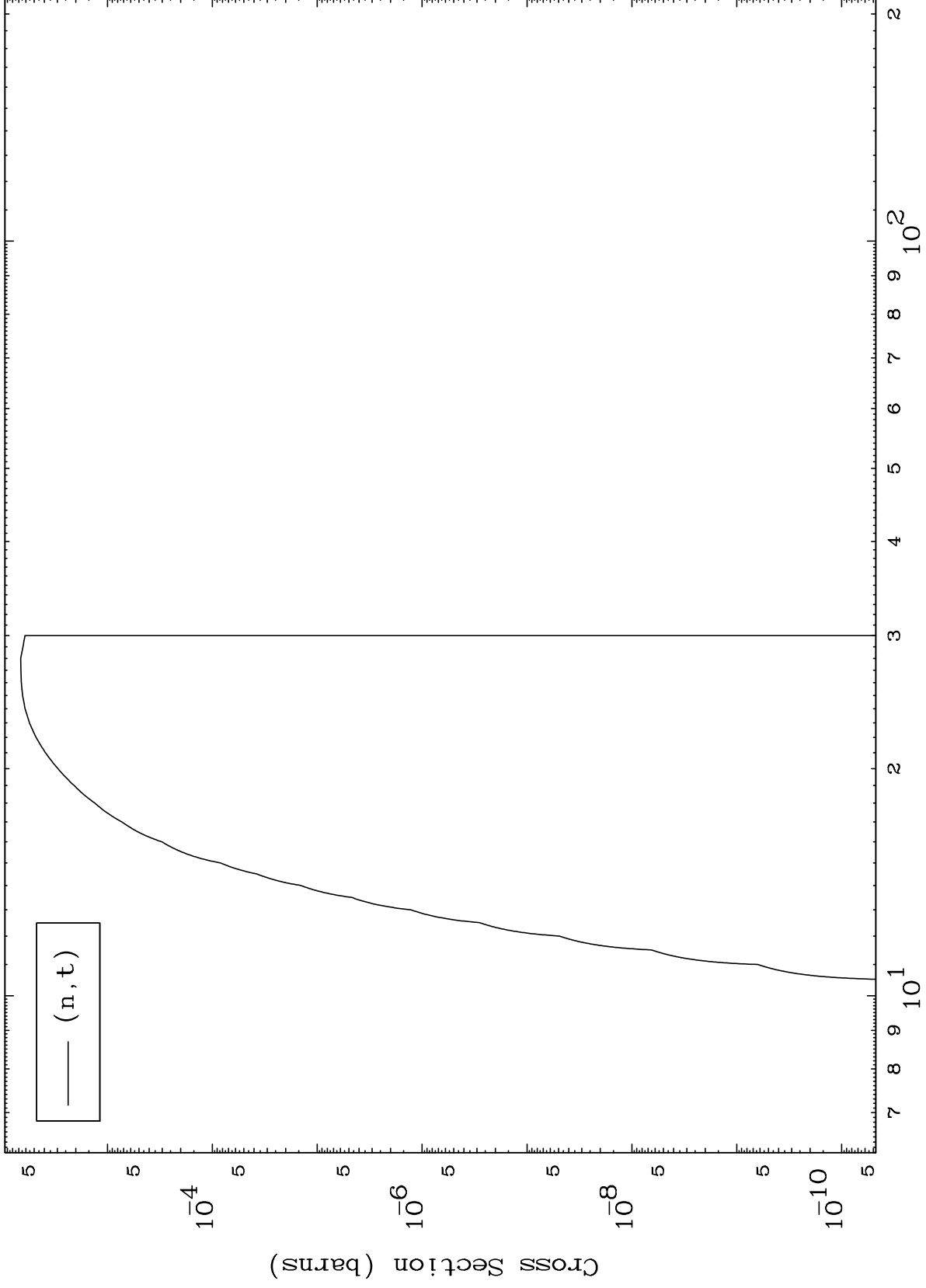
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-146



13

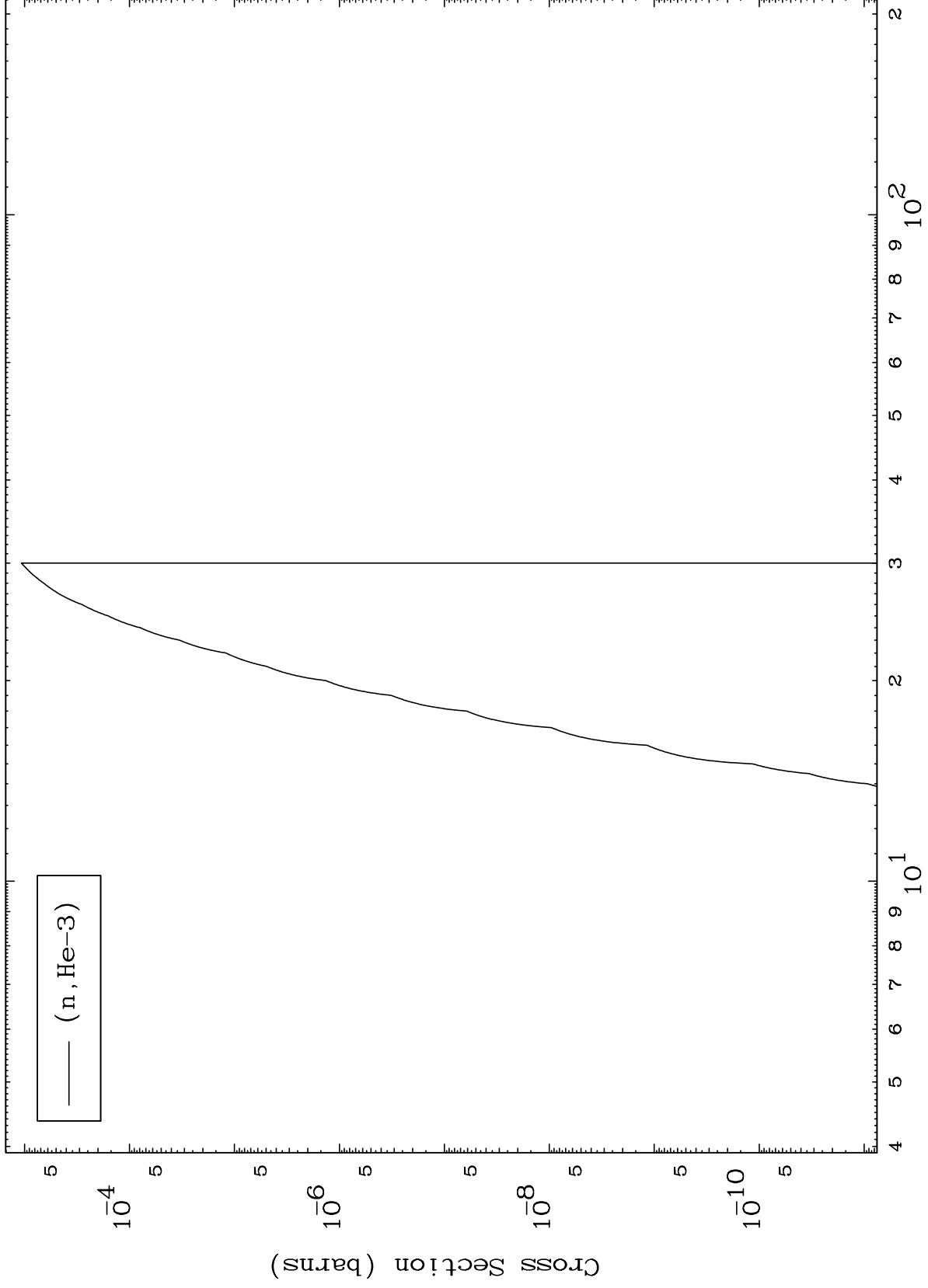
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-146



14

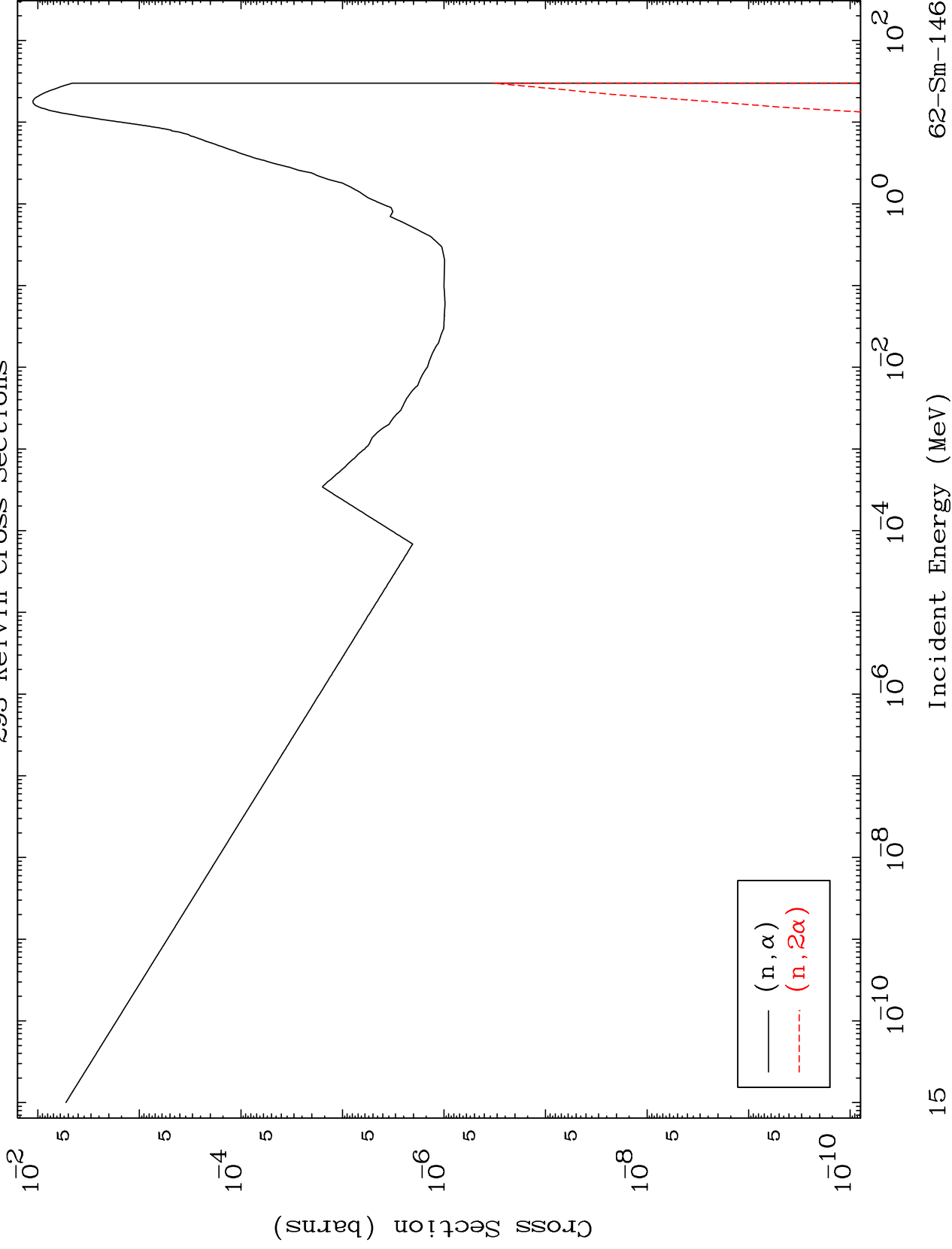
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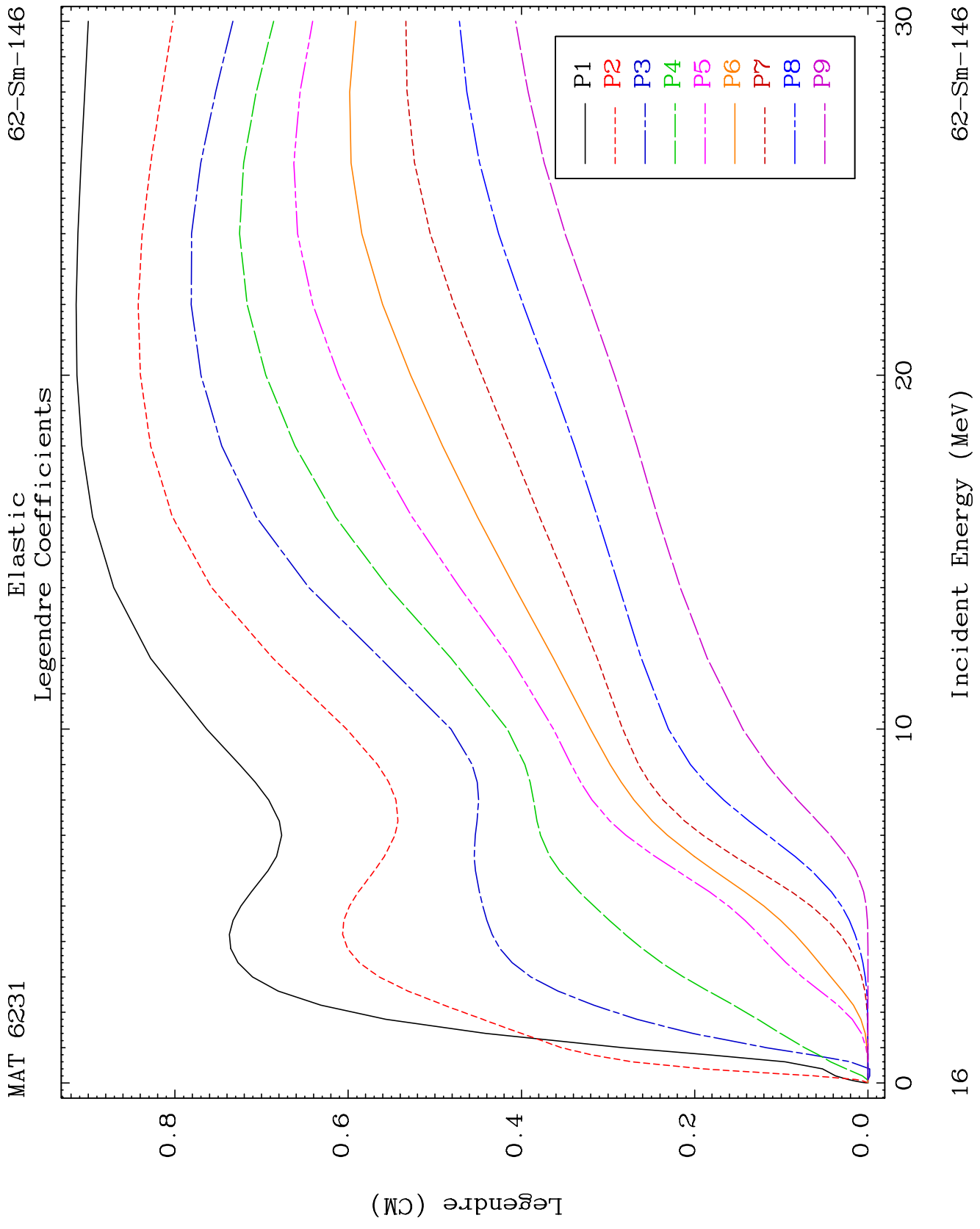
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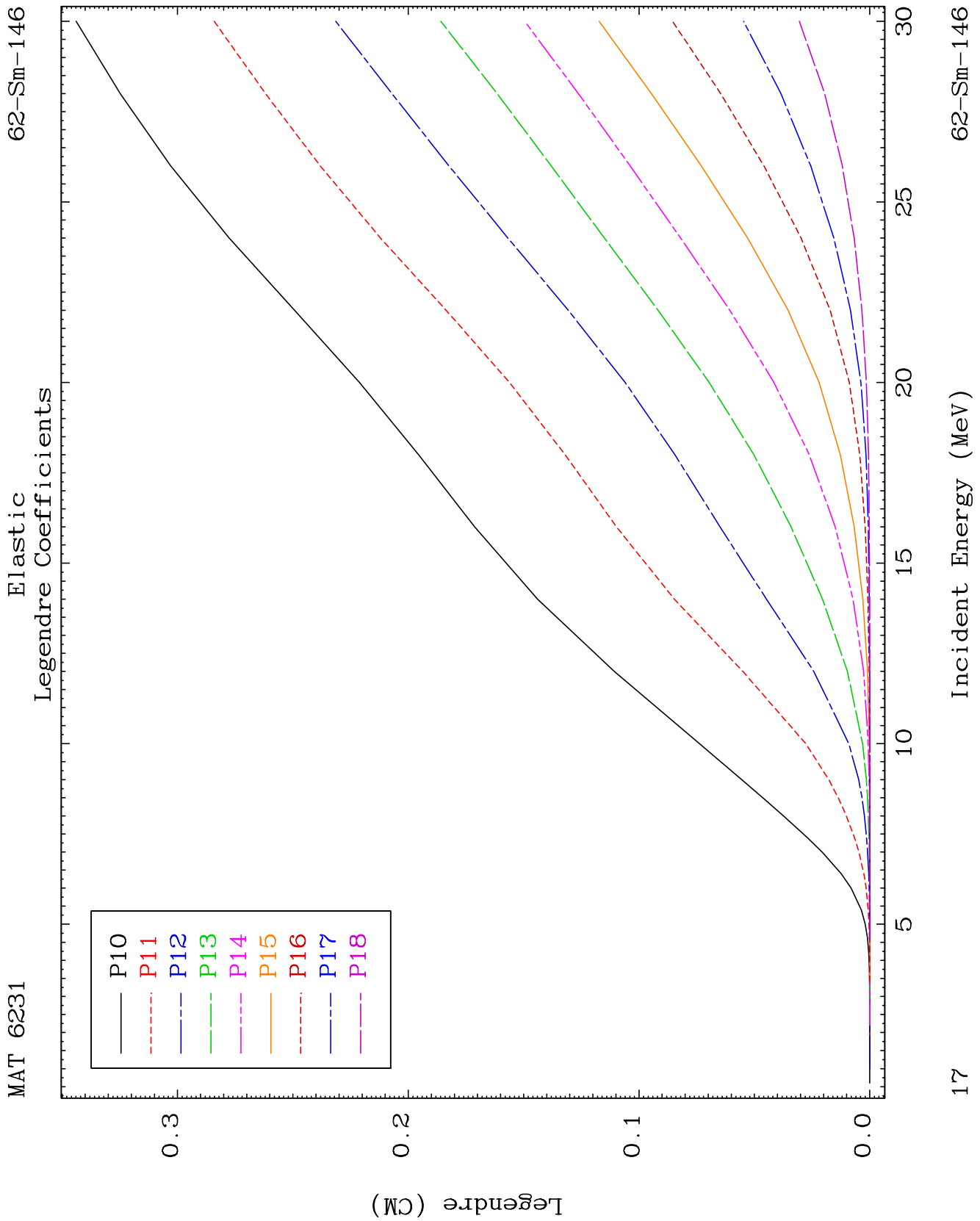
MAT 6231

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-146



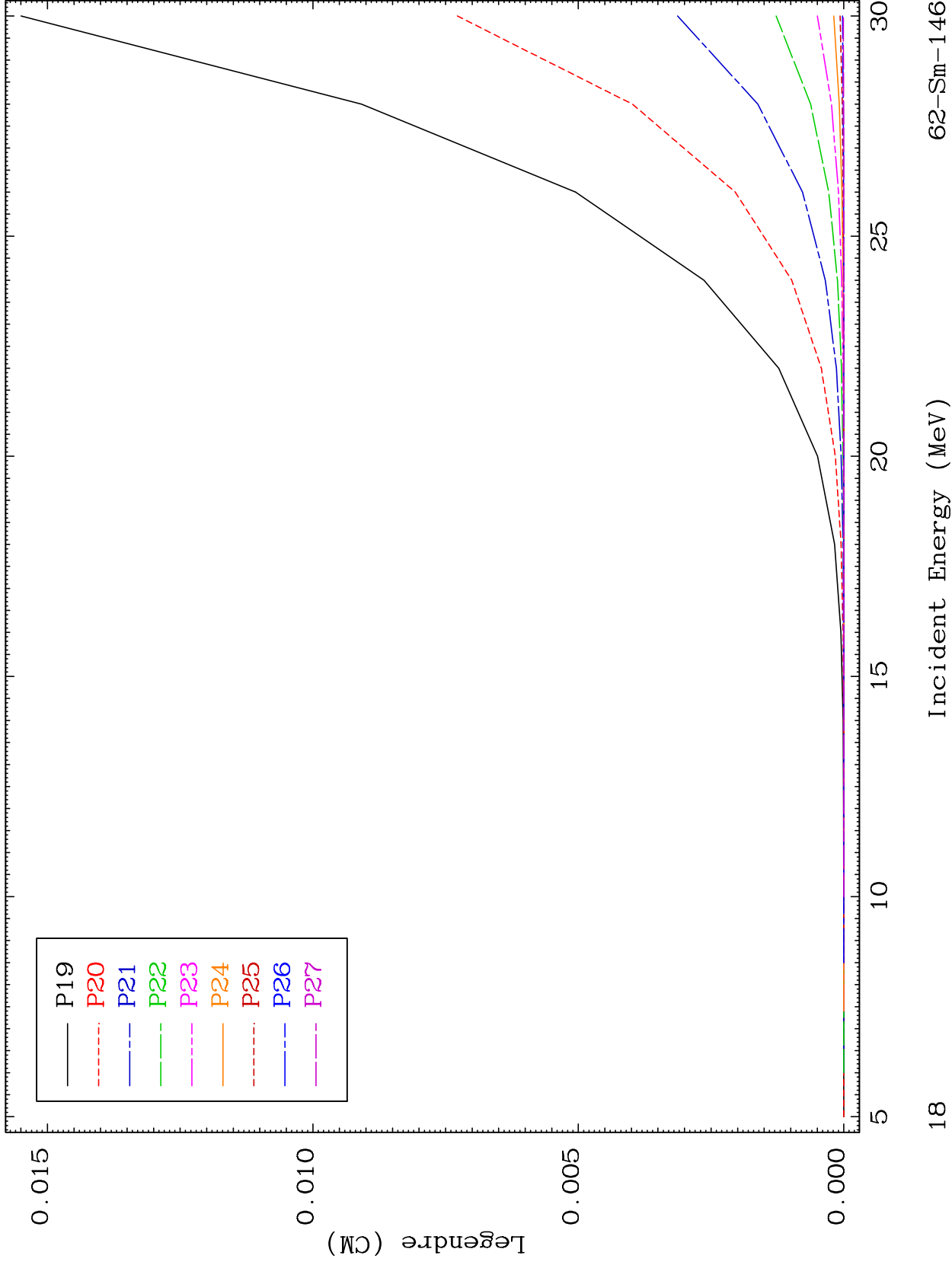




MAT 6231

Elastic Legendre Coefficients

62-Sm-146



62-Sm-146

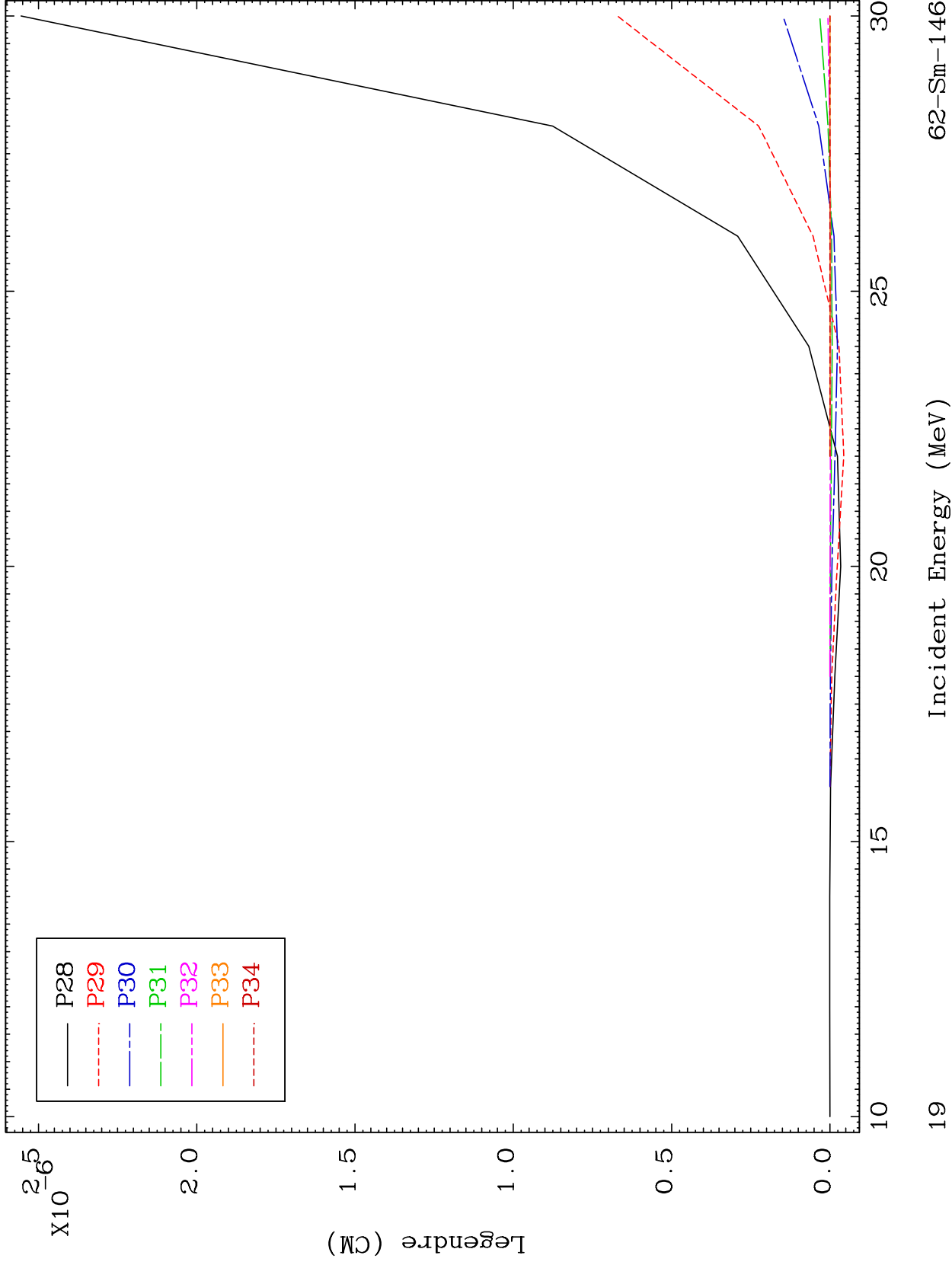
Incident Energy (MeV)

18

MAT 6231

Elastic
Legendre Coefficients

⁶²Sm-146



19

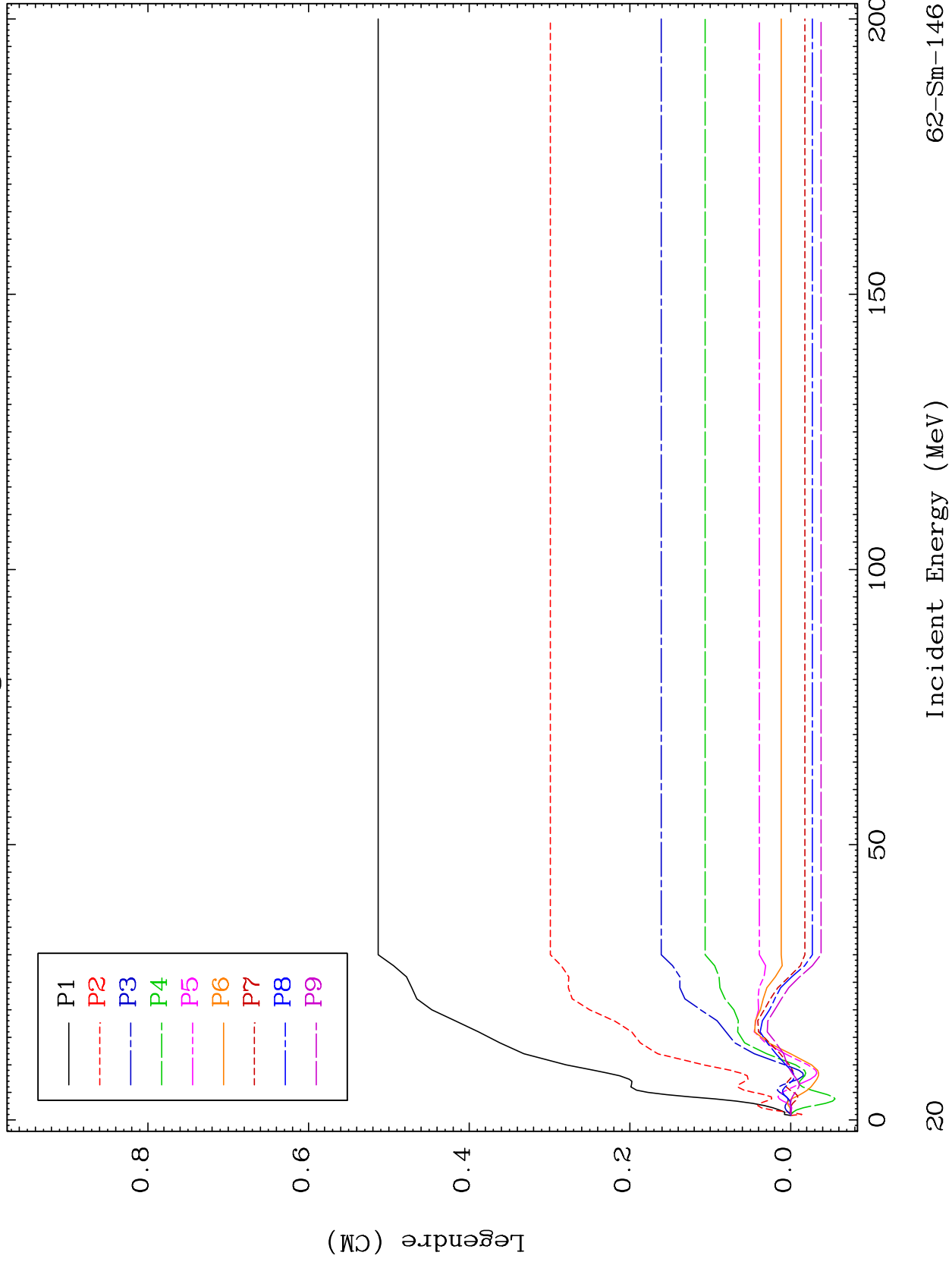
Incident Energy (MeV)

⁶²Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

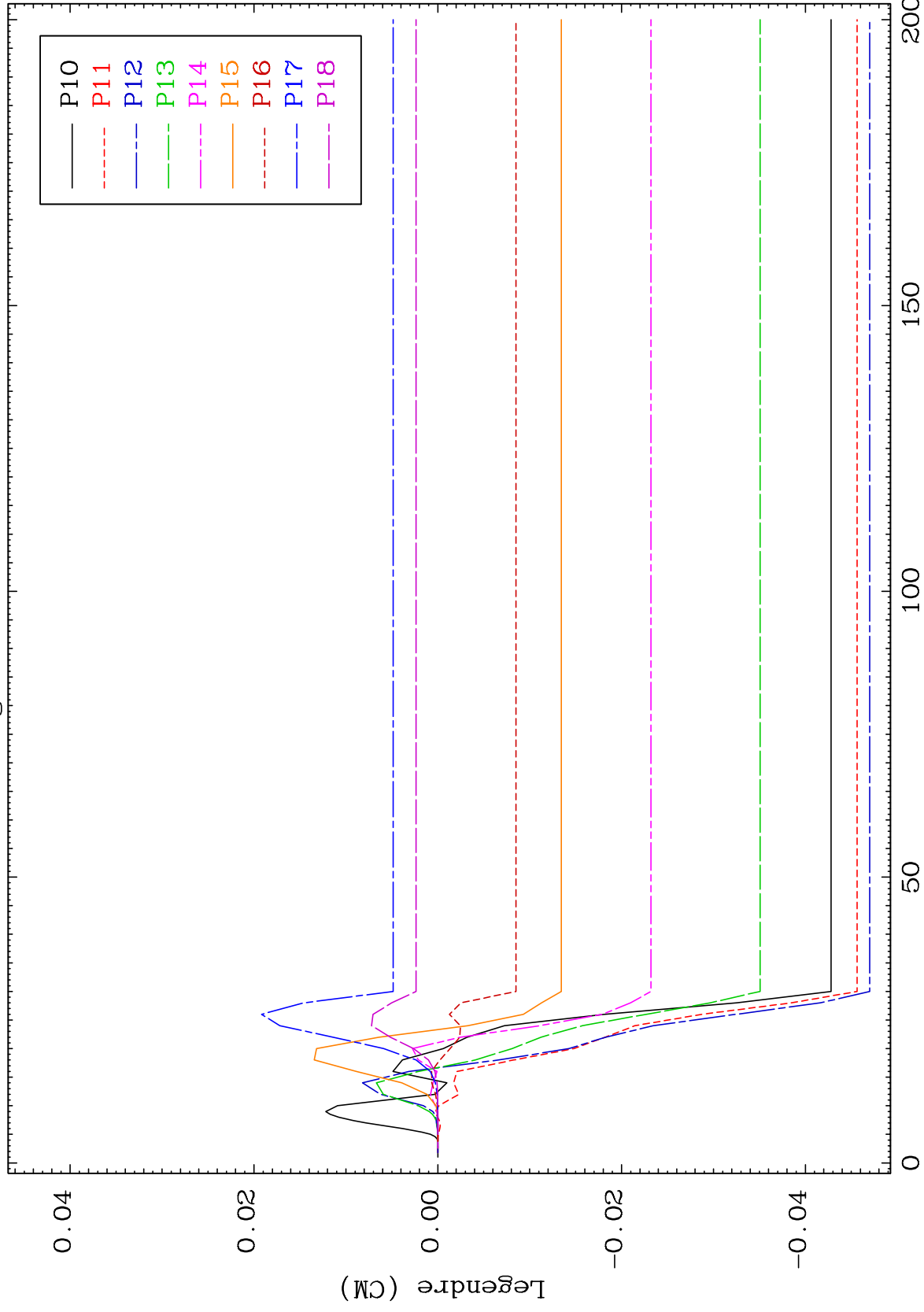
Incident Energy (MeV)

0

MAT 6231

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

62-Sm-146



21

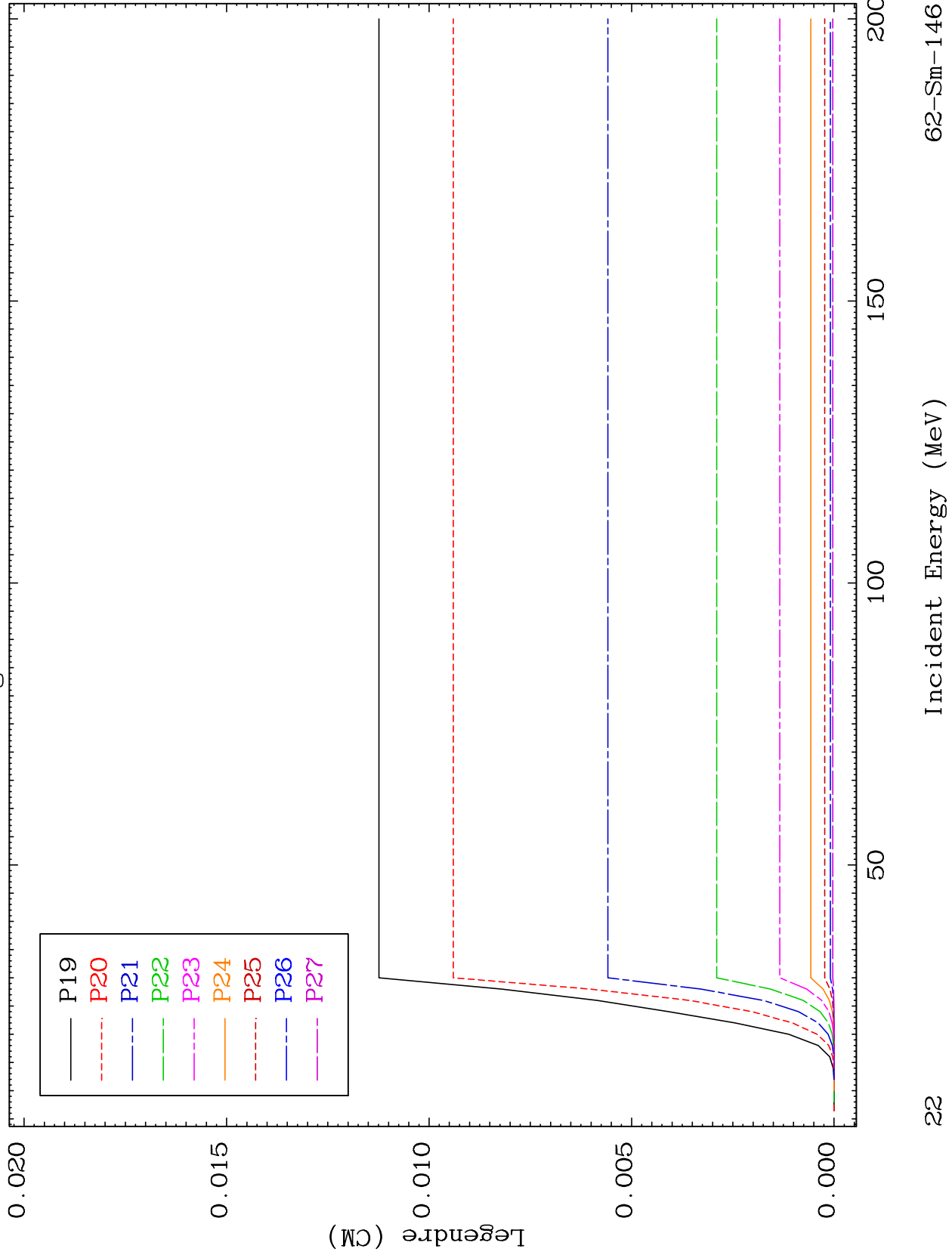
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

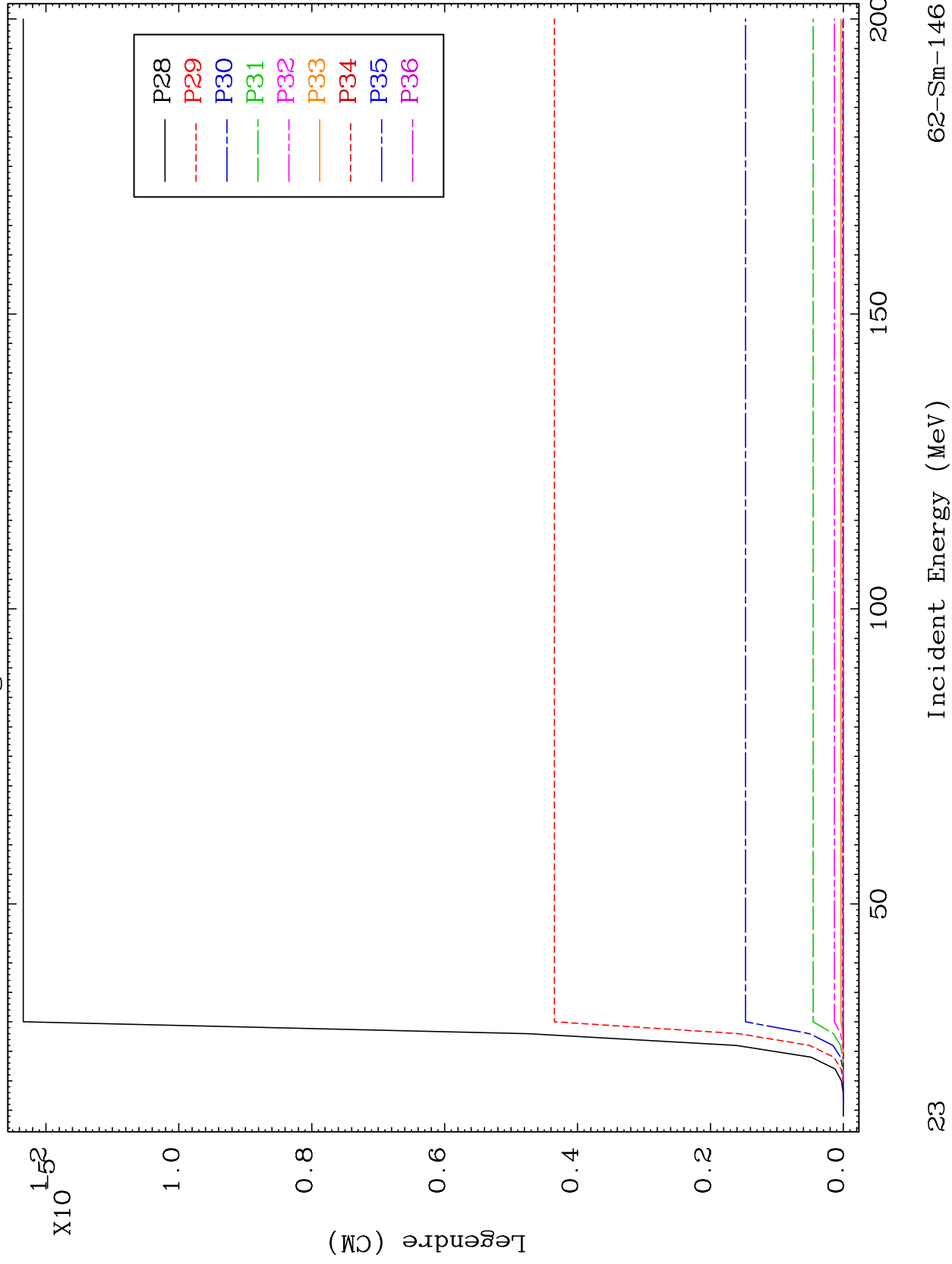
62-Sm-146



MAT 6231

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

62-Sm-146

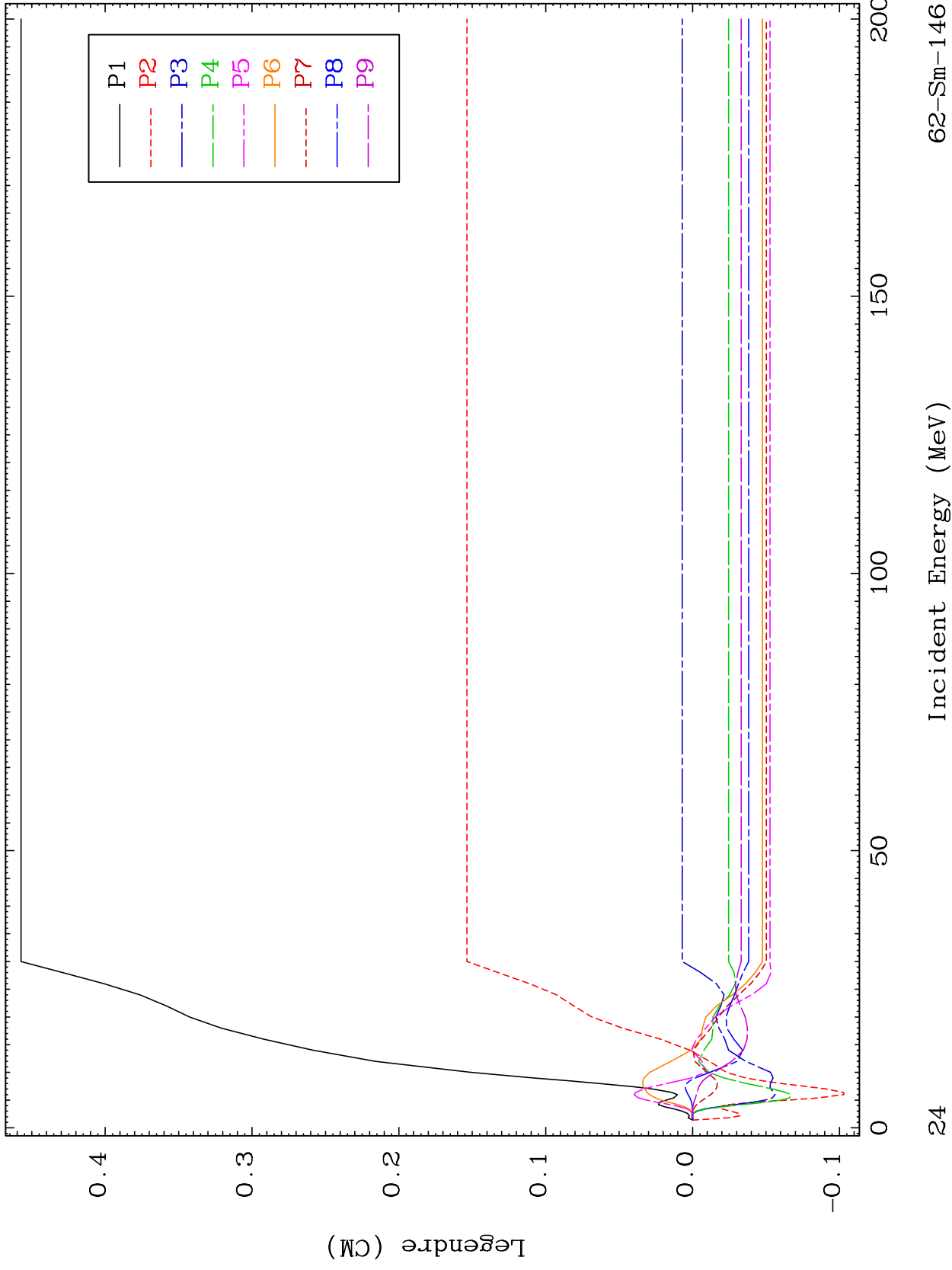


23

MAT 6231

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

62-Sm-146



62-Sm-146

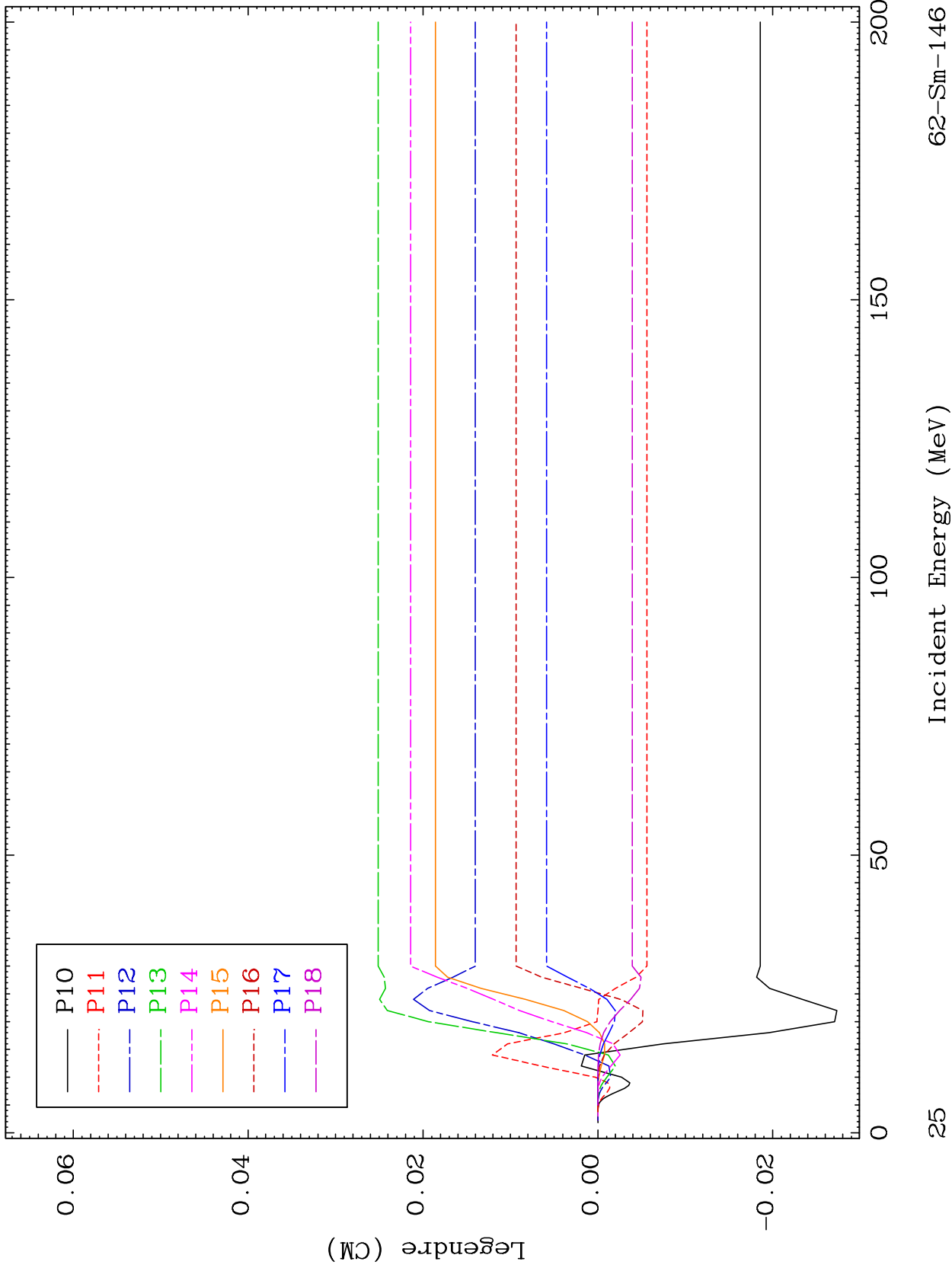
Incident Energy (MeV)

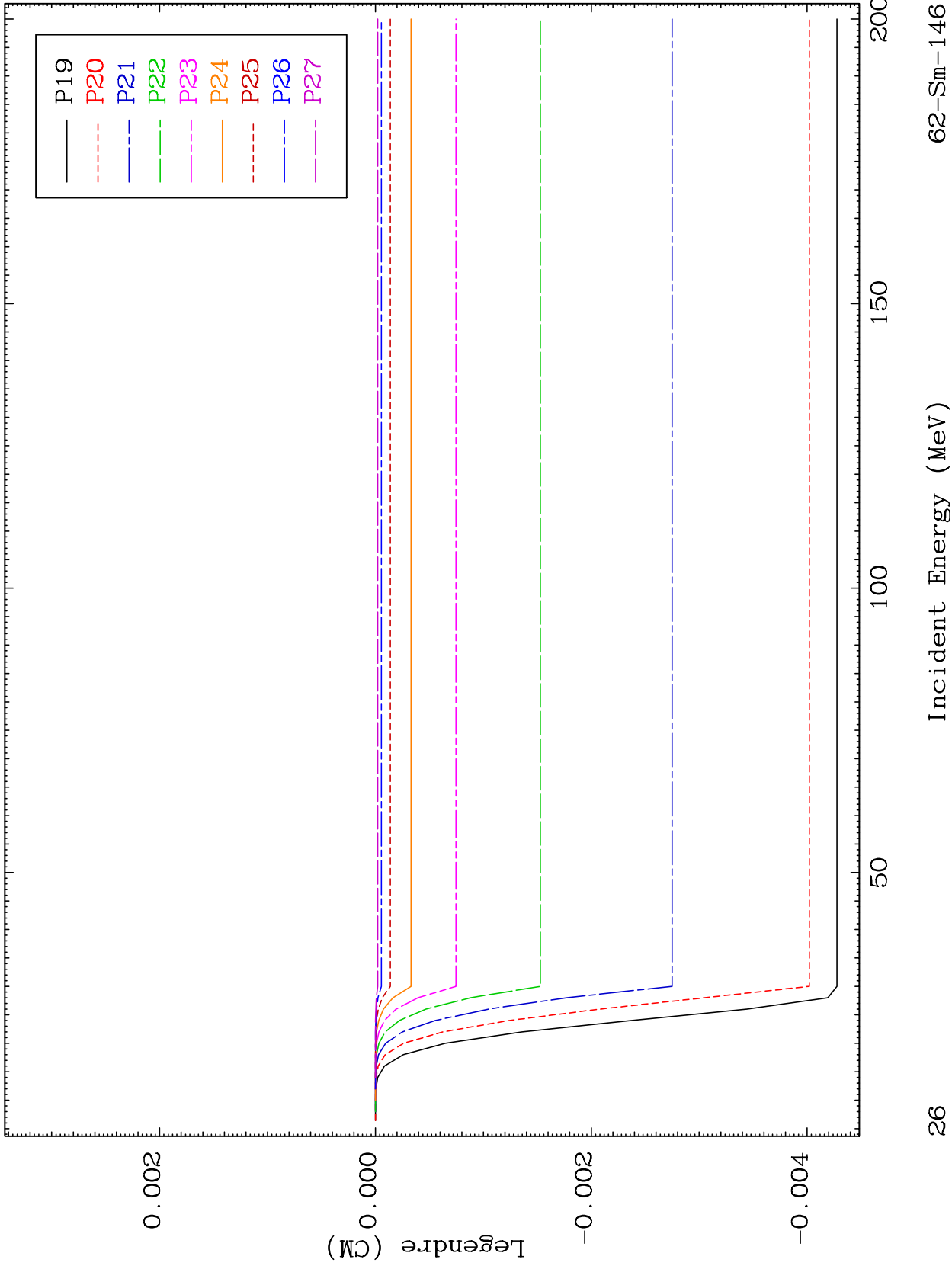
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MAT 6231

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

62-Sm-146

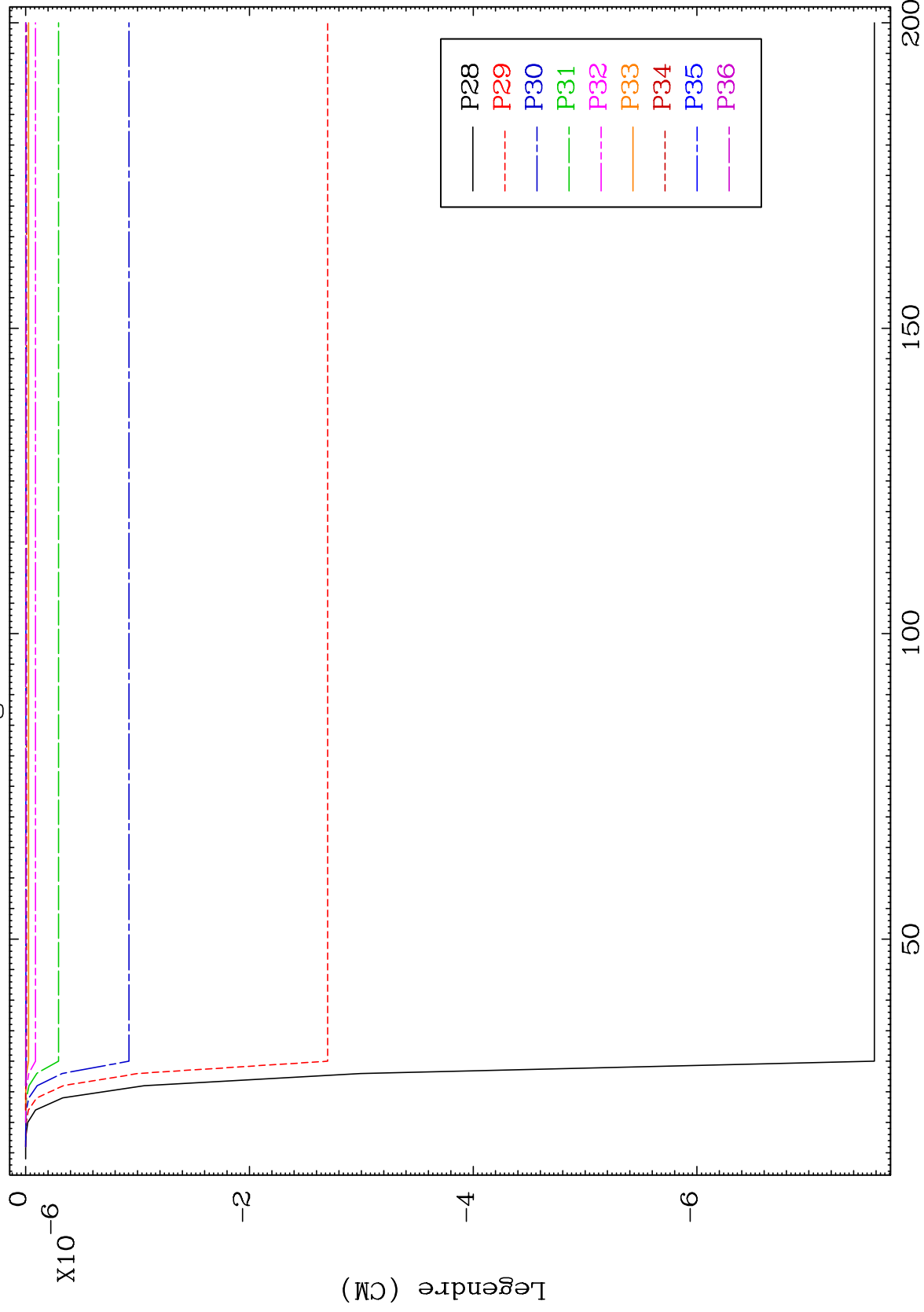




MAT 6231

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

62-Sm-146



27

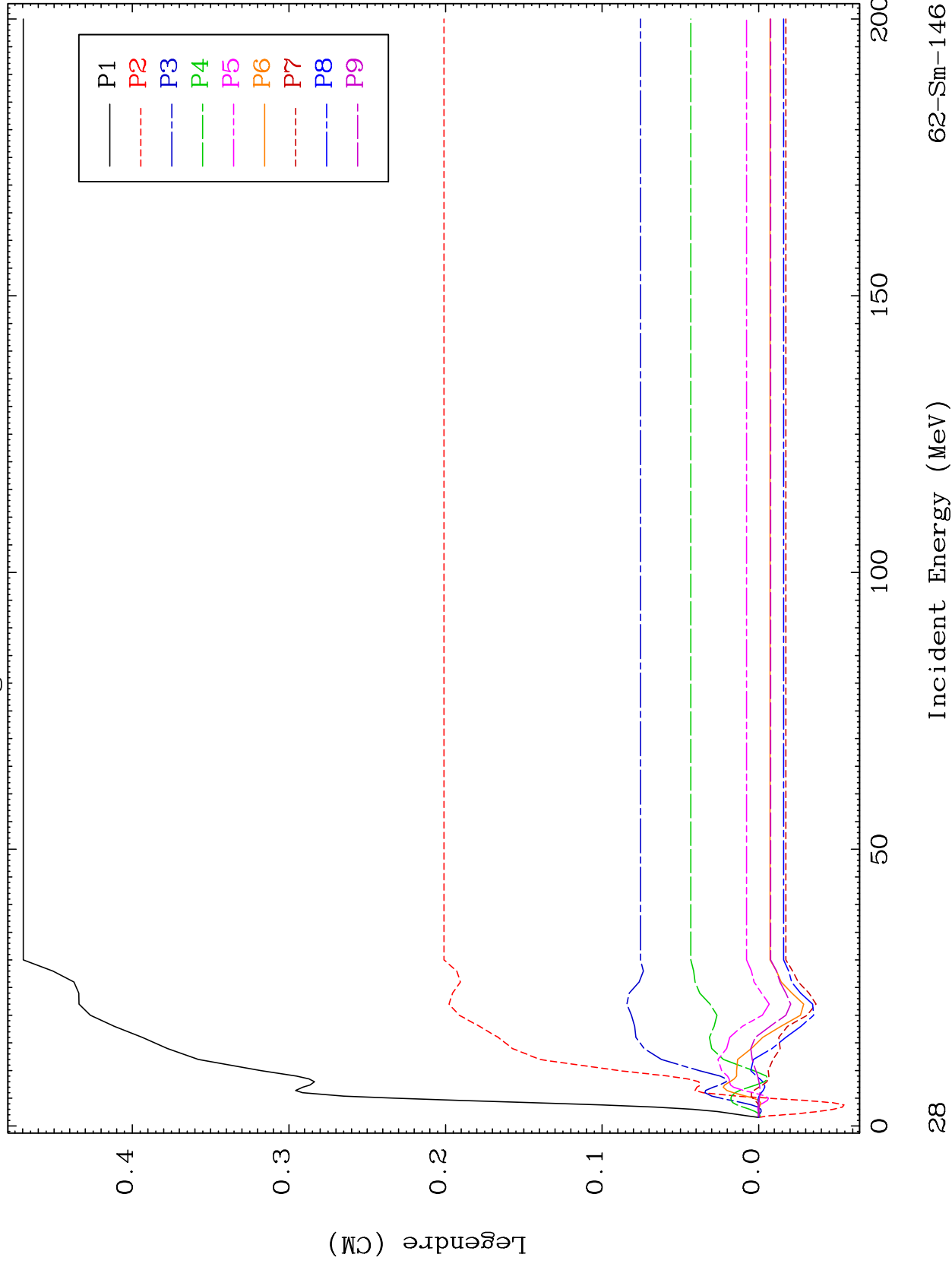
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

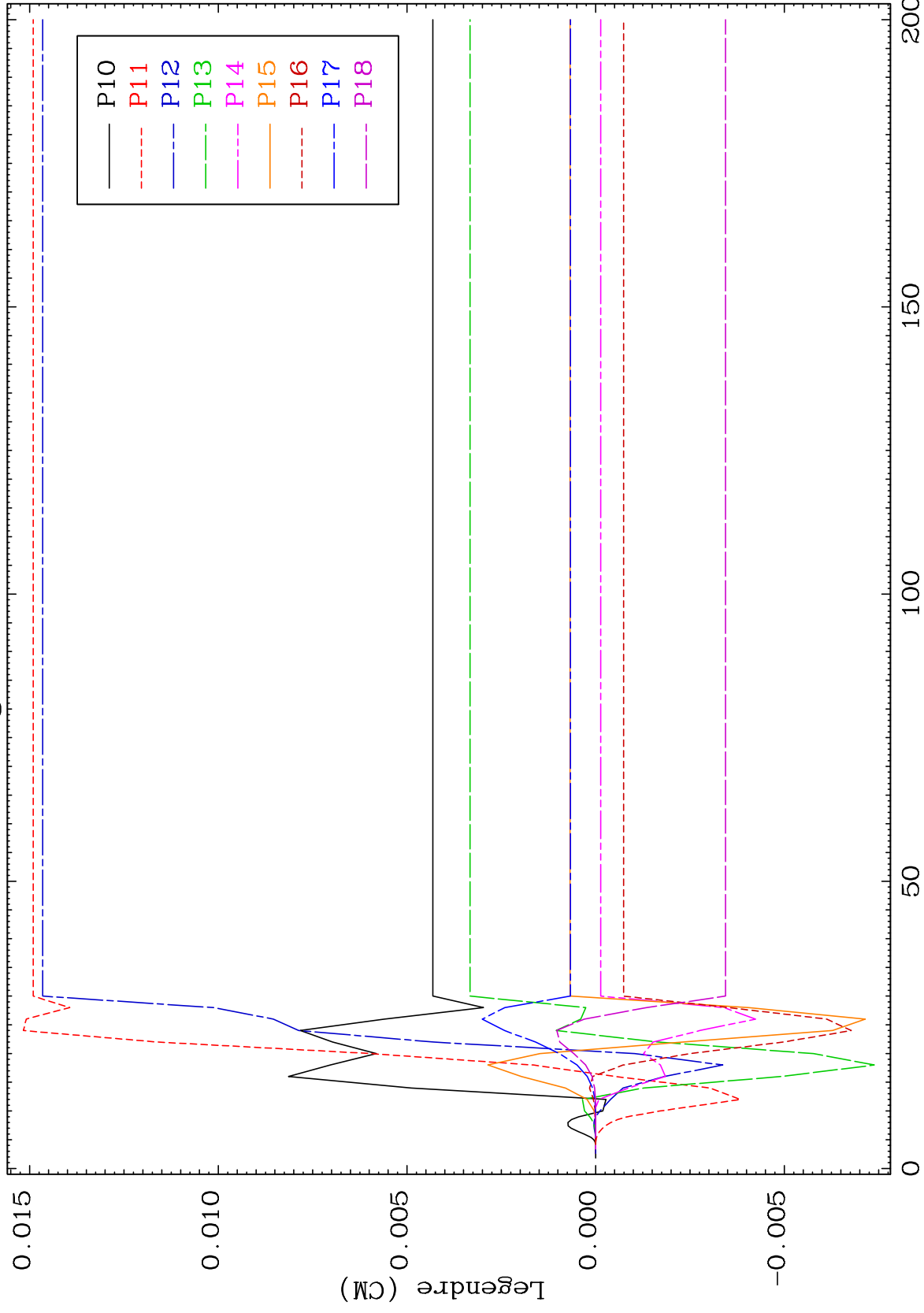
Incident Energy (MeV)

28

MAT 6231

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

62-Sm-146



29

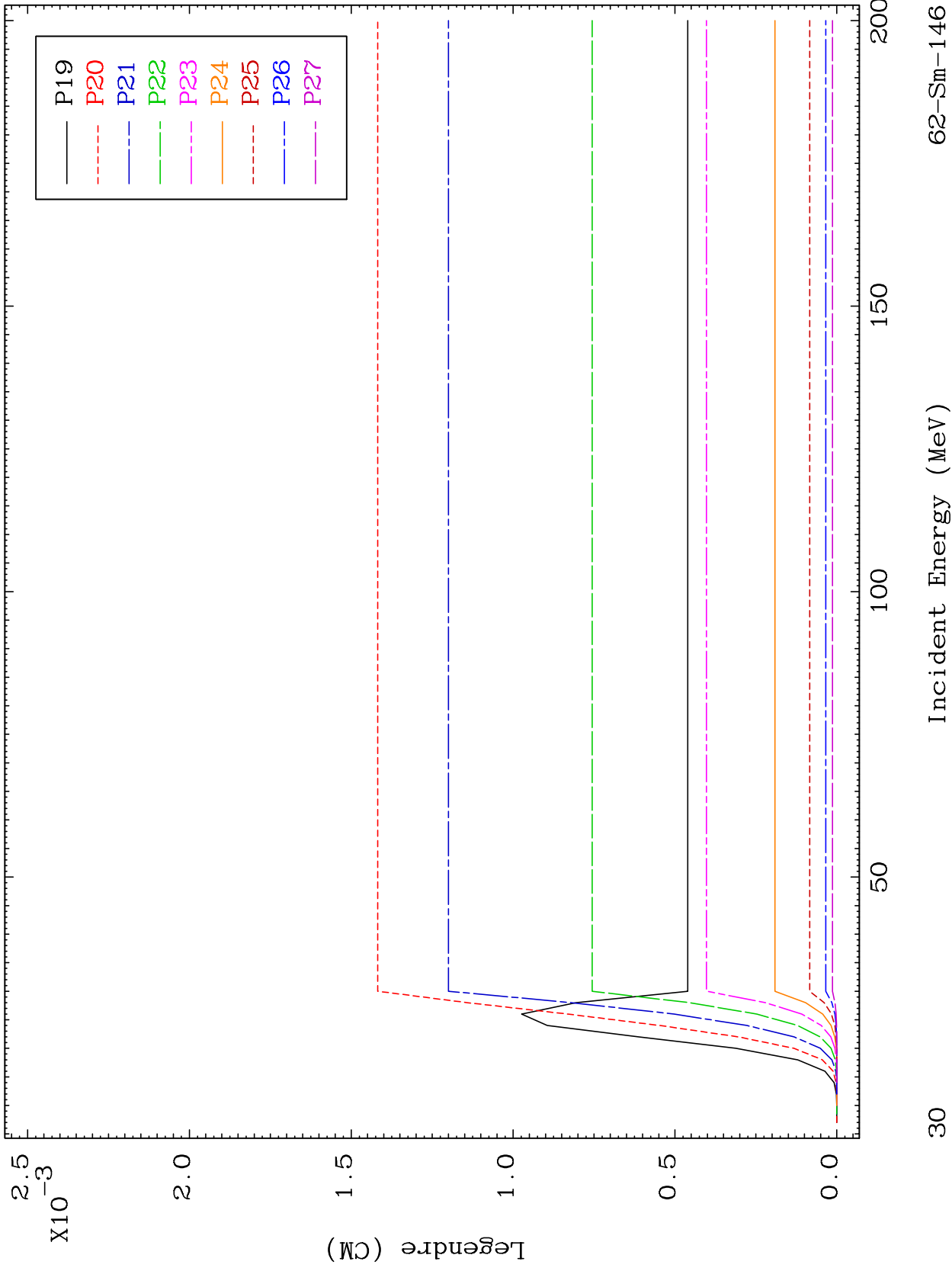
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

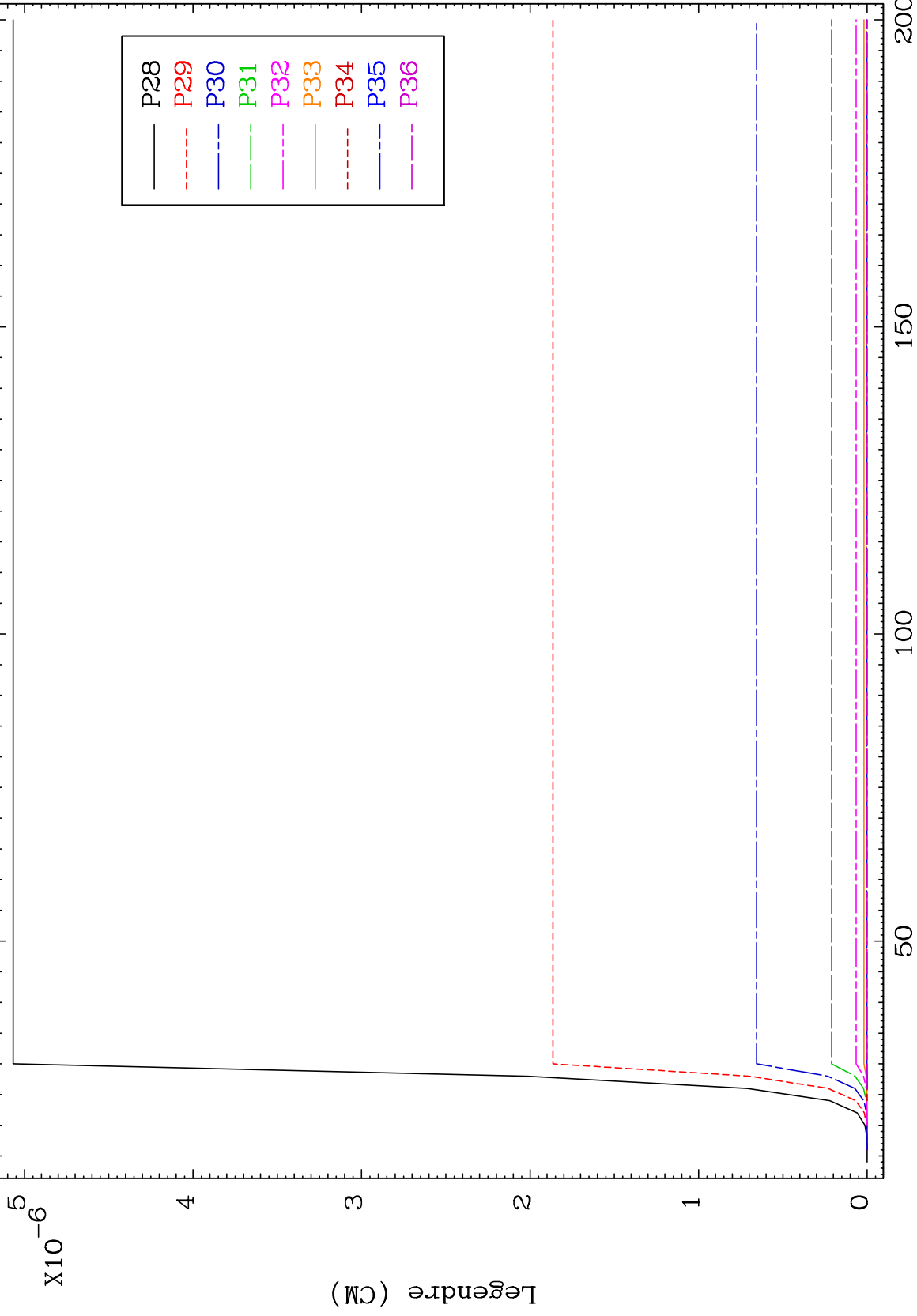
Incident Energy (MeV)

30

MAT 6231

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

62-Sm-146



31

Incident Energy (MeV)

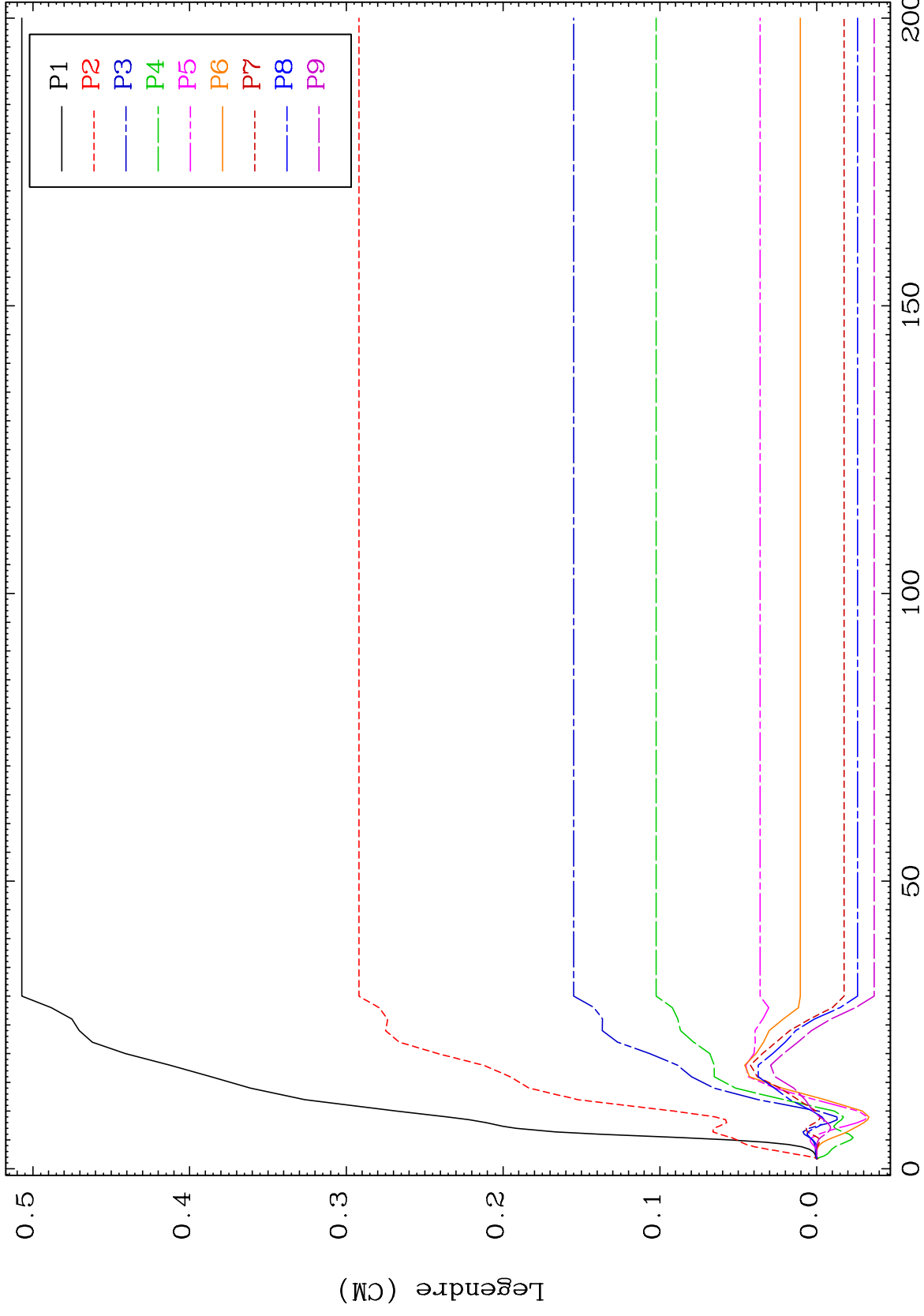
62-Sm-146

MAT 6231

MT= 54 (n,n') Level

62-Sm-146

Legendre Coefficients



32

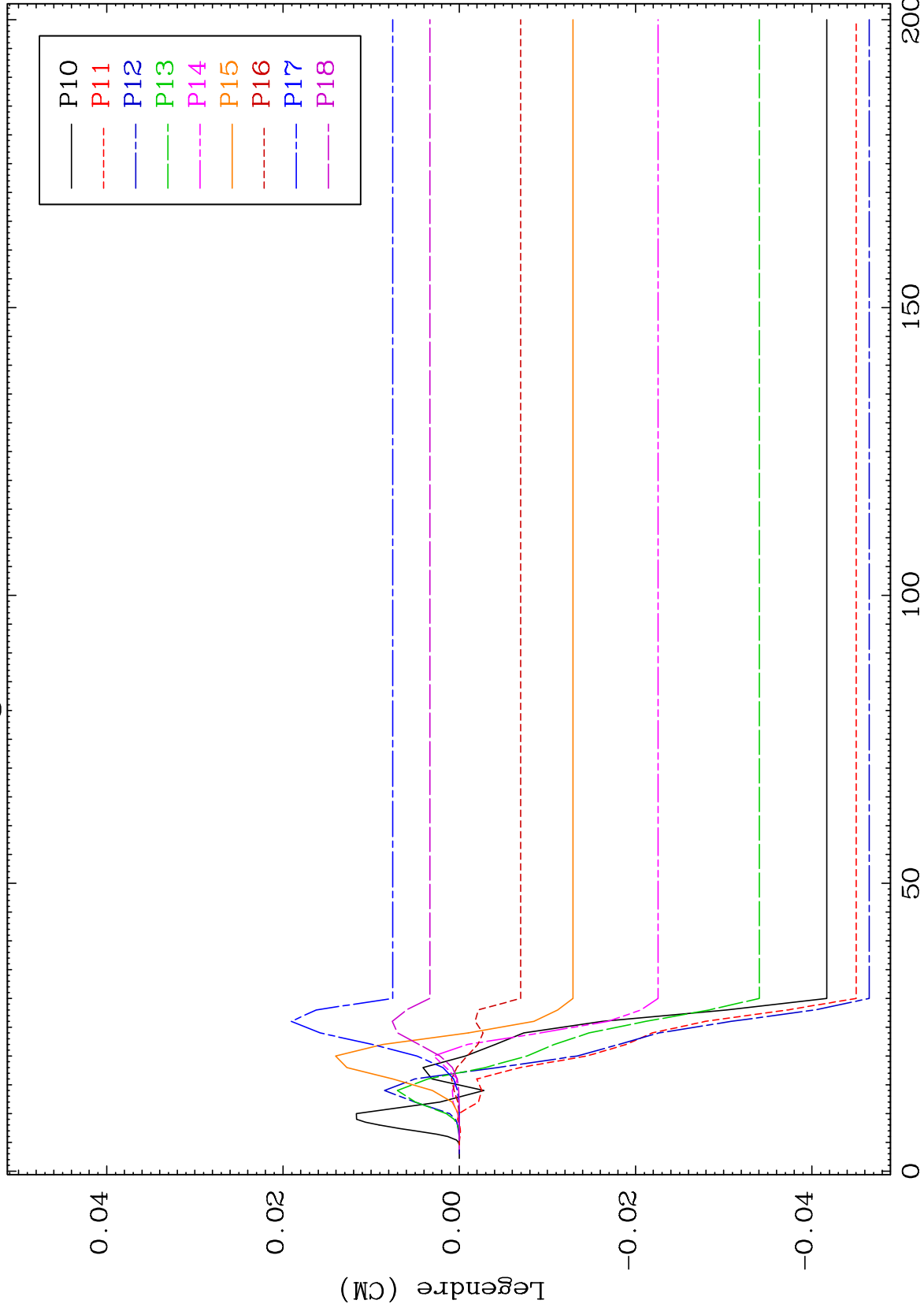
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

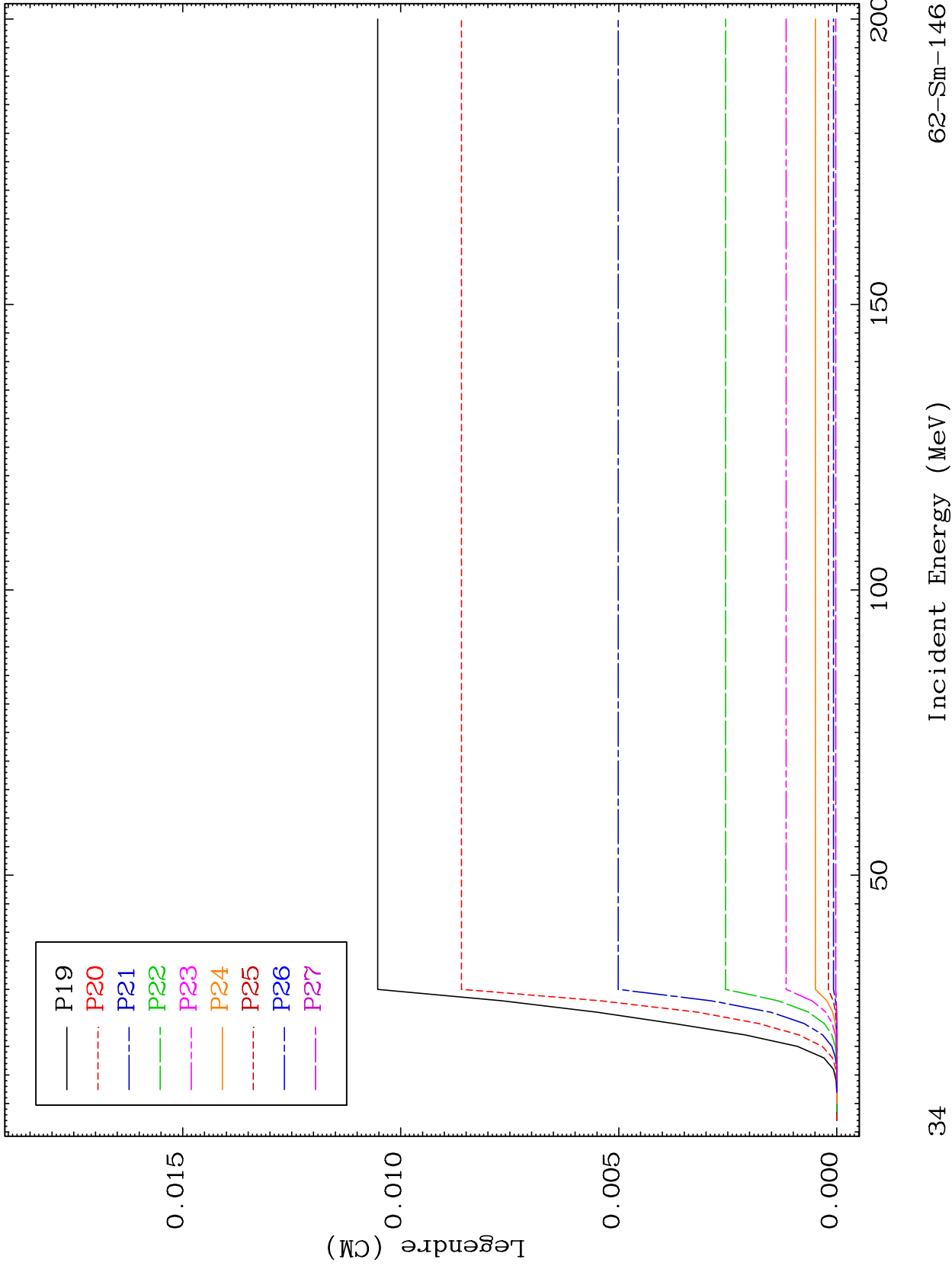
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33

Incident Energy (MeV)

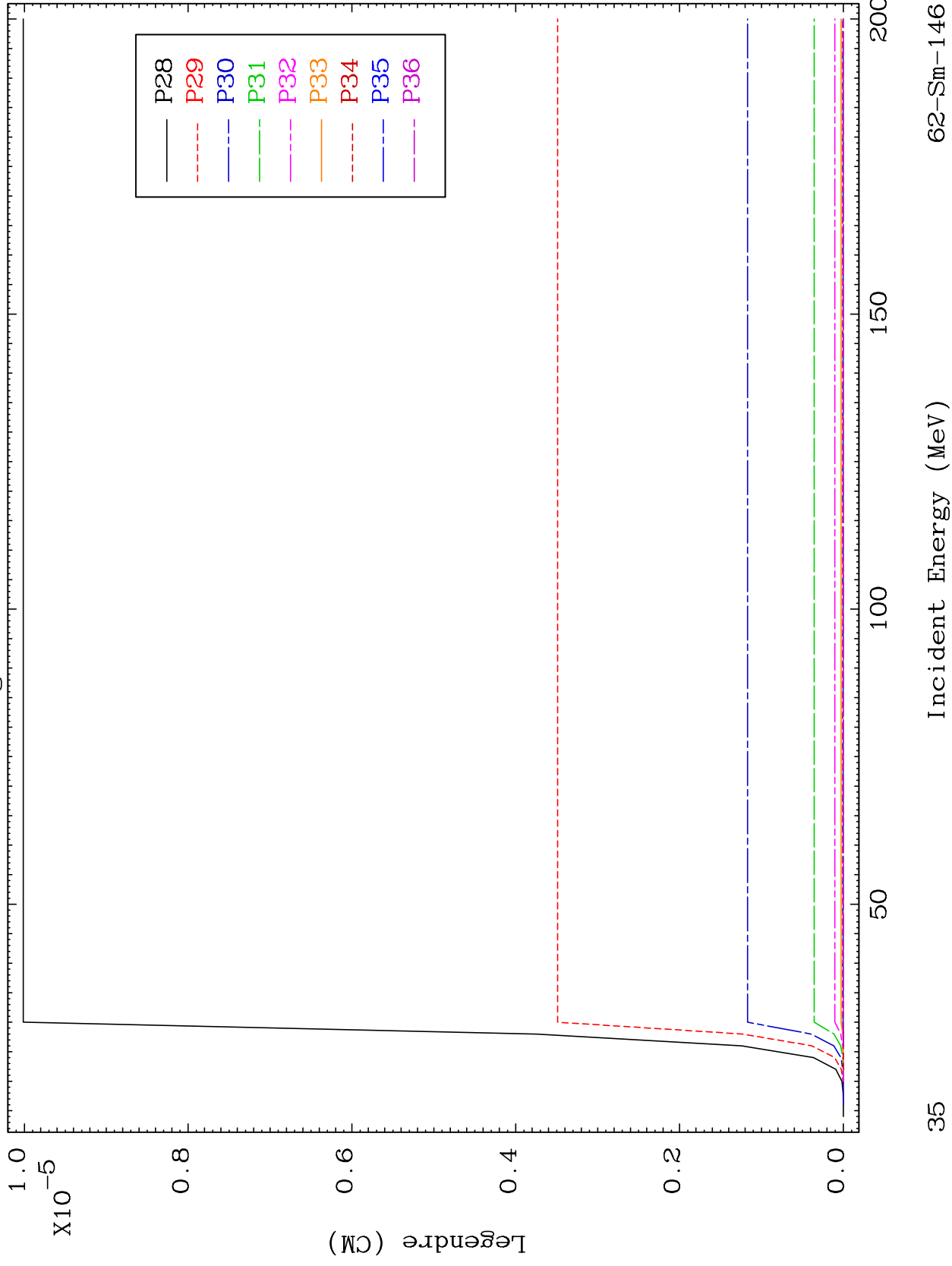
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MAT 6231

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

62-Sm-146



35

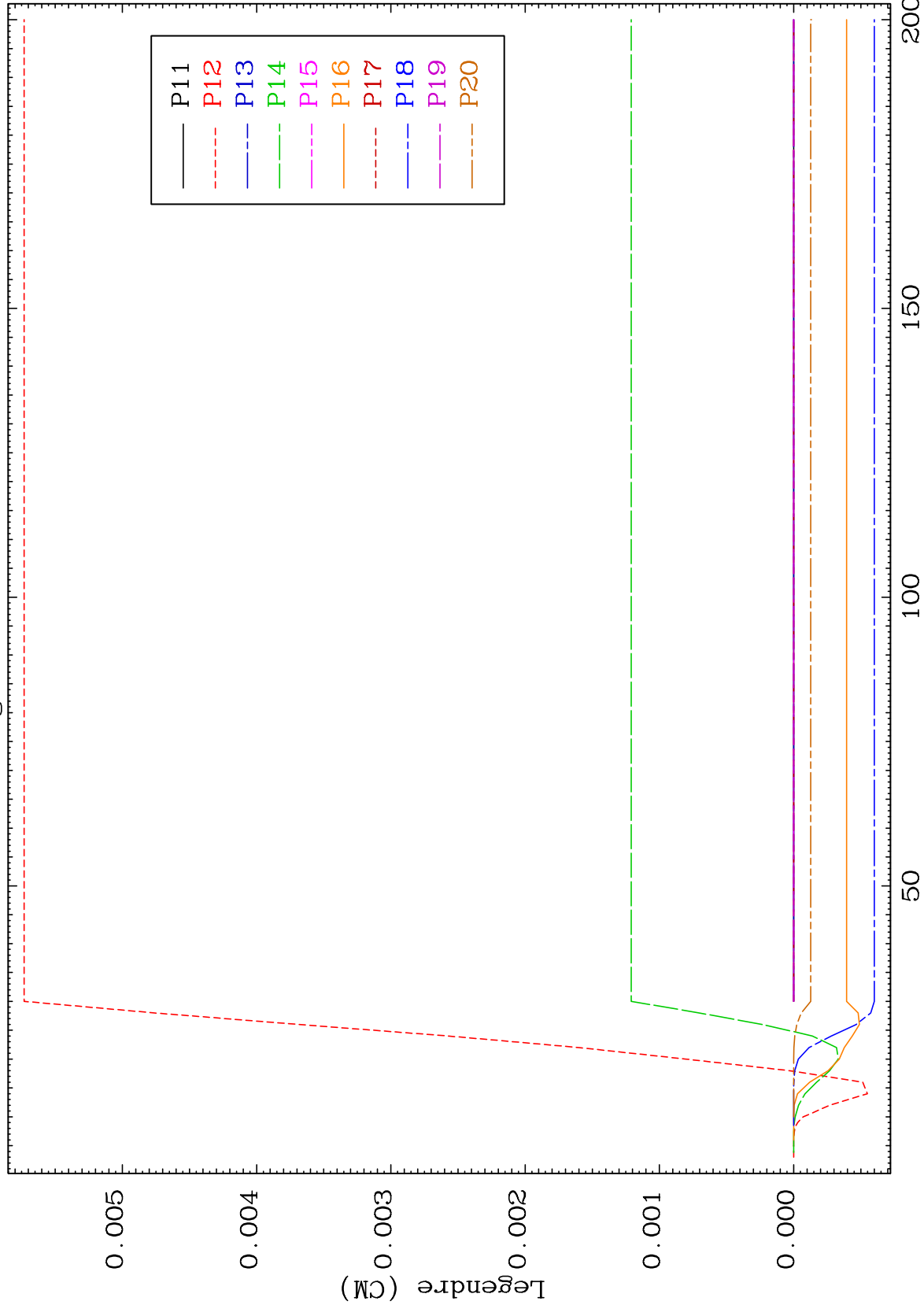
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

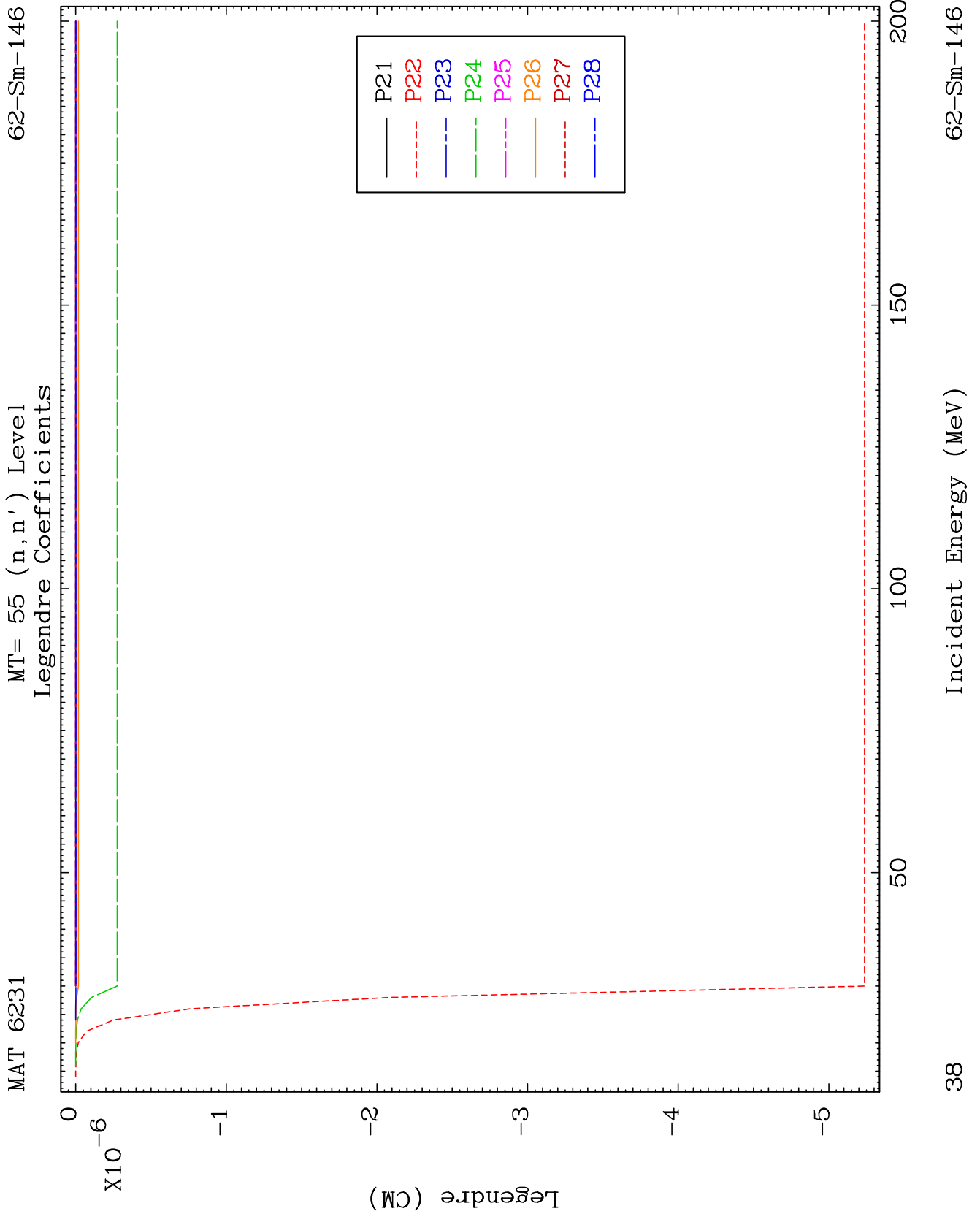
62-Sm-146



37

Incident Energy (MeV)

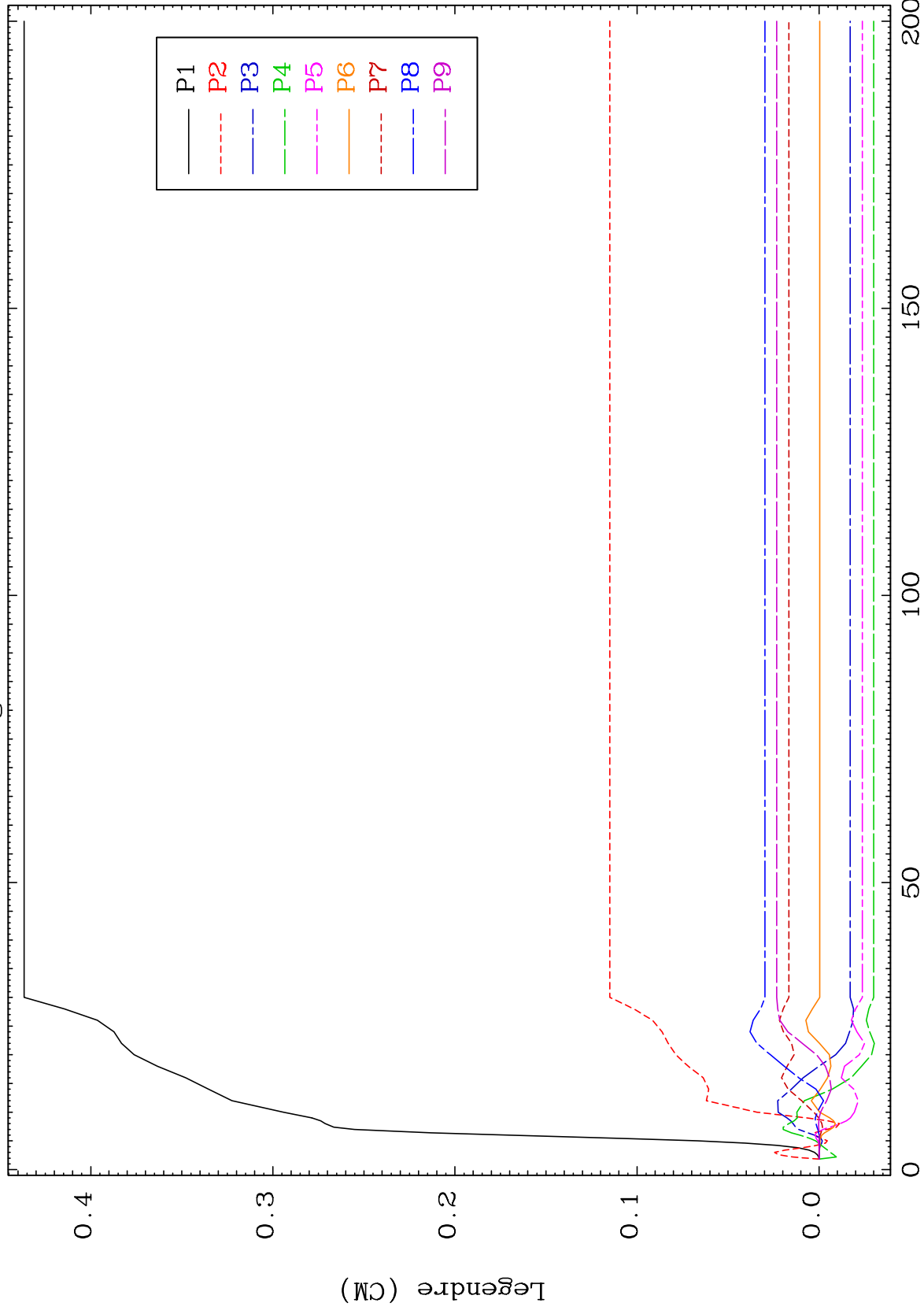
62-Sm-146



MAT 6231

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

62-Sm-146



39

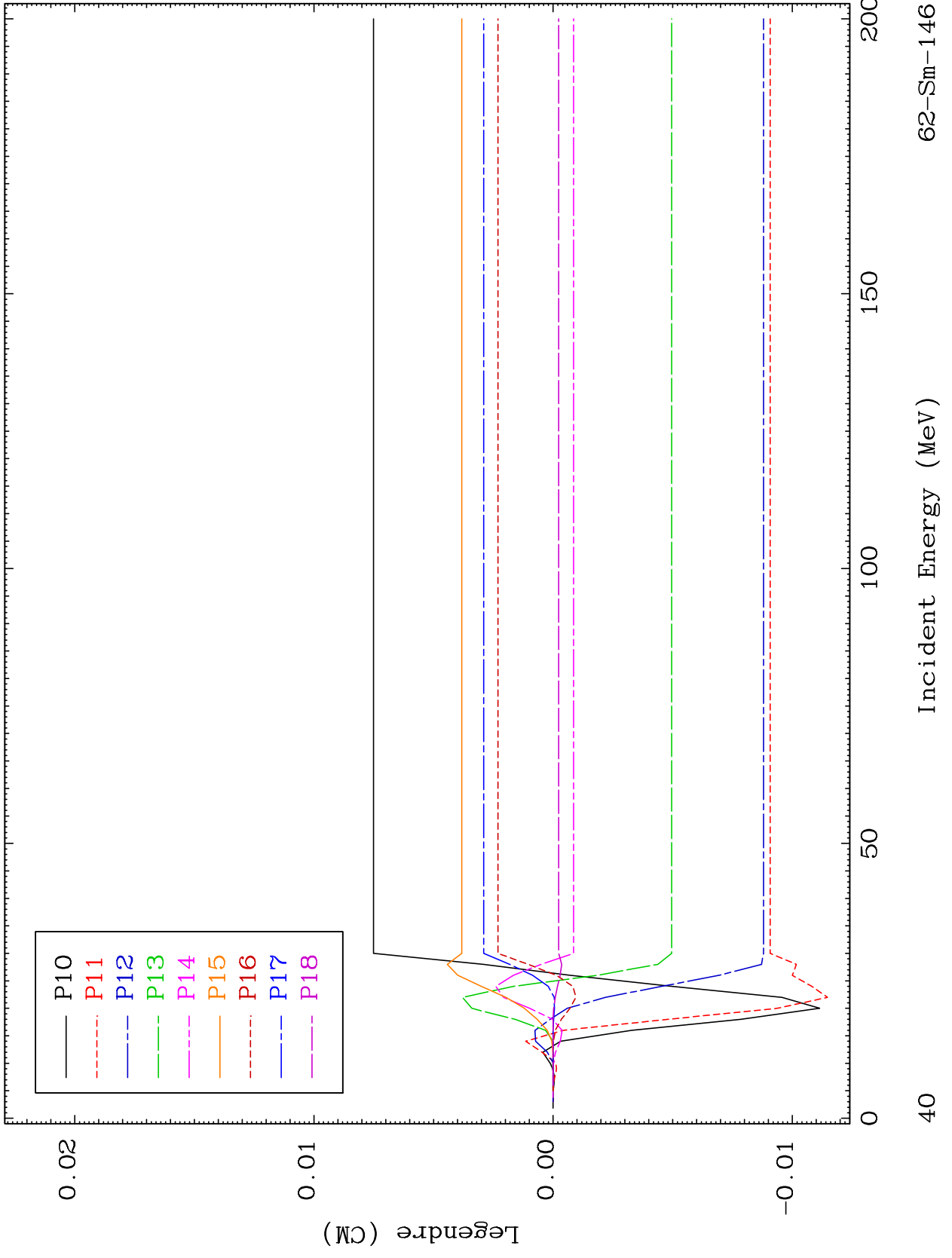
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

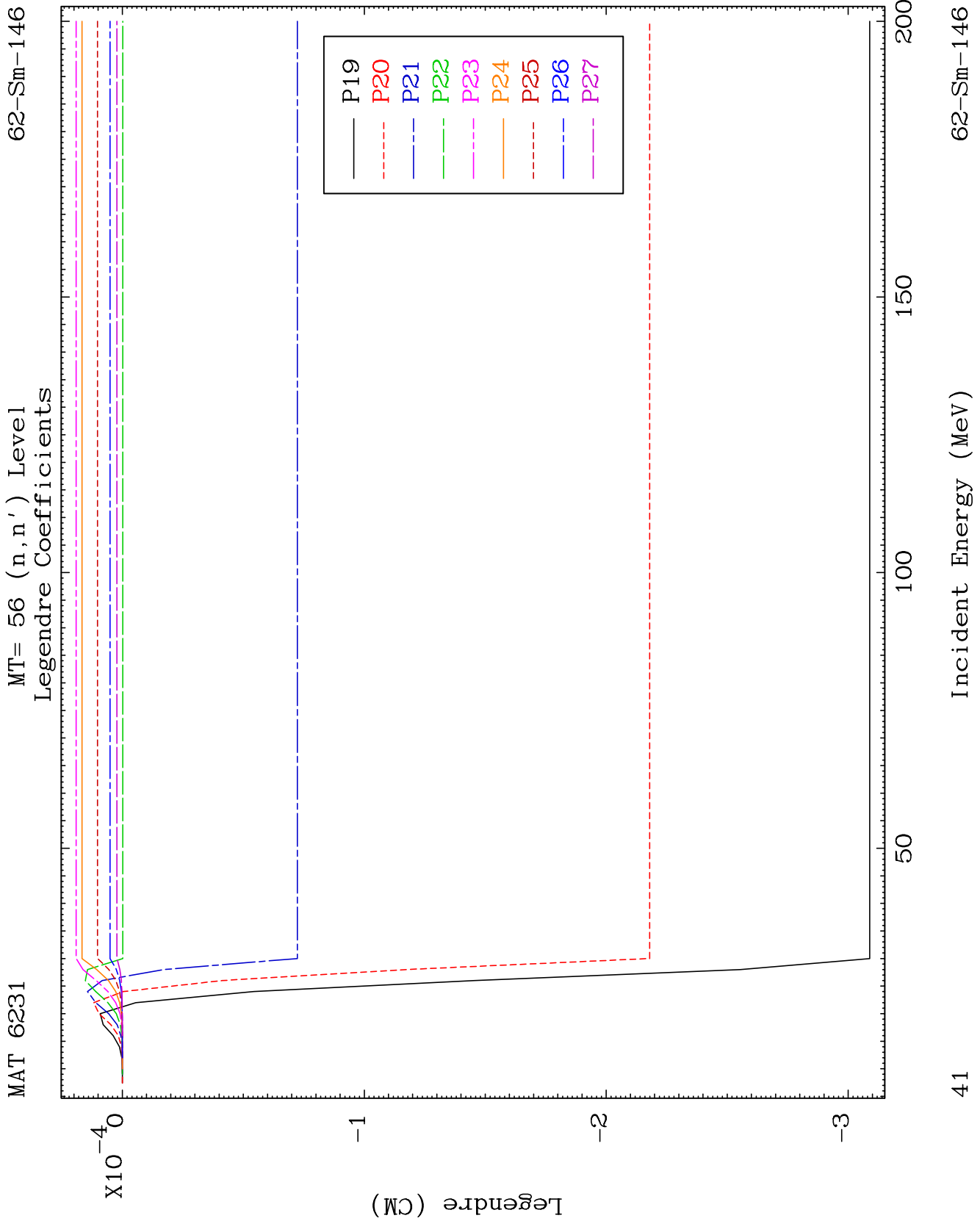
62-Sm-146



62-Sm-146

Incident Energy (MeV)

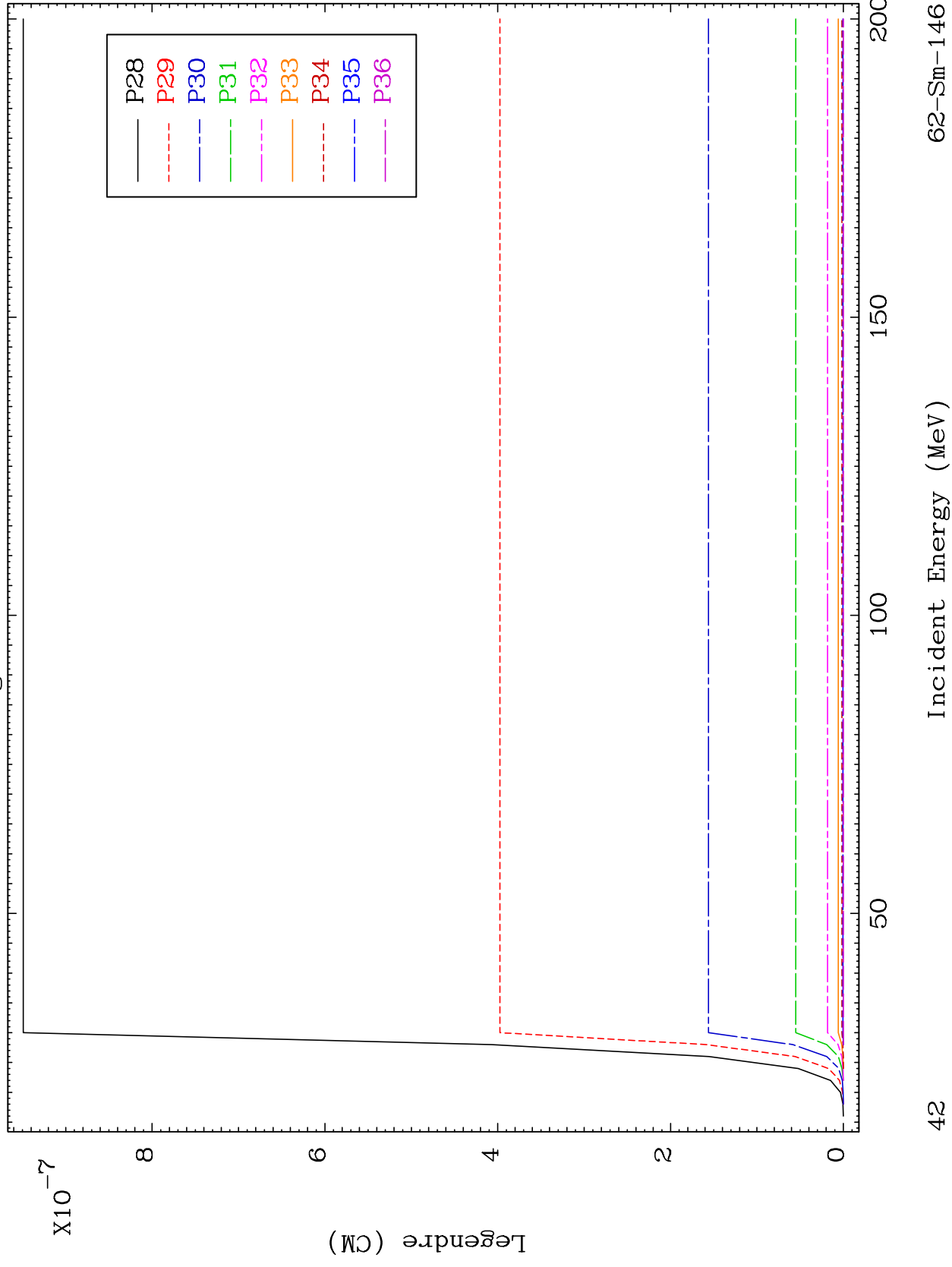
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MAT 6231

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

62-Sm-146



42

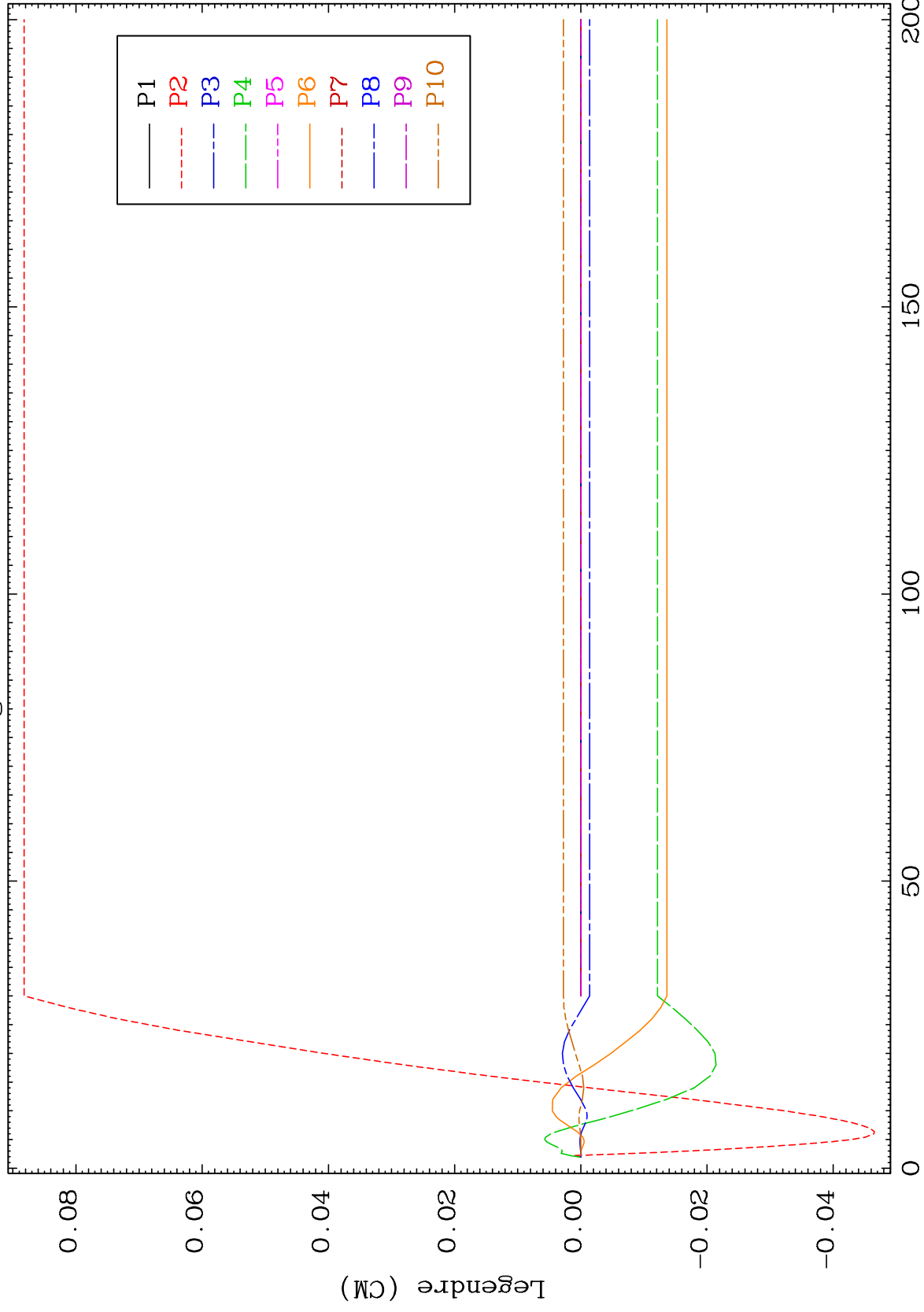
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



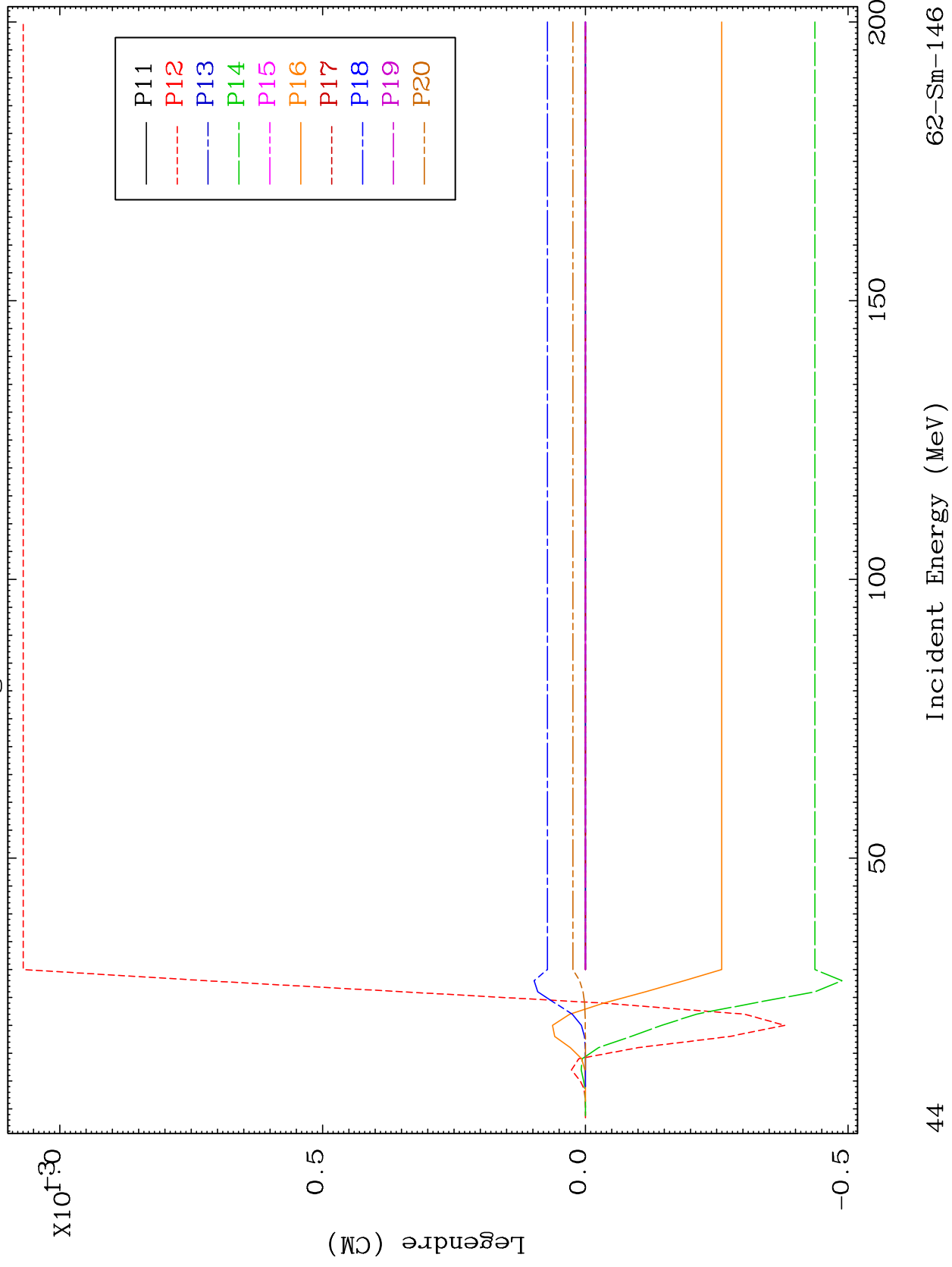
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62-Sm-146

MAT 6231

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

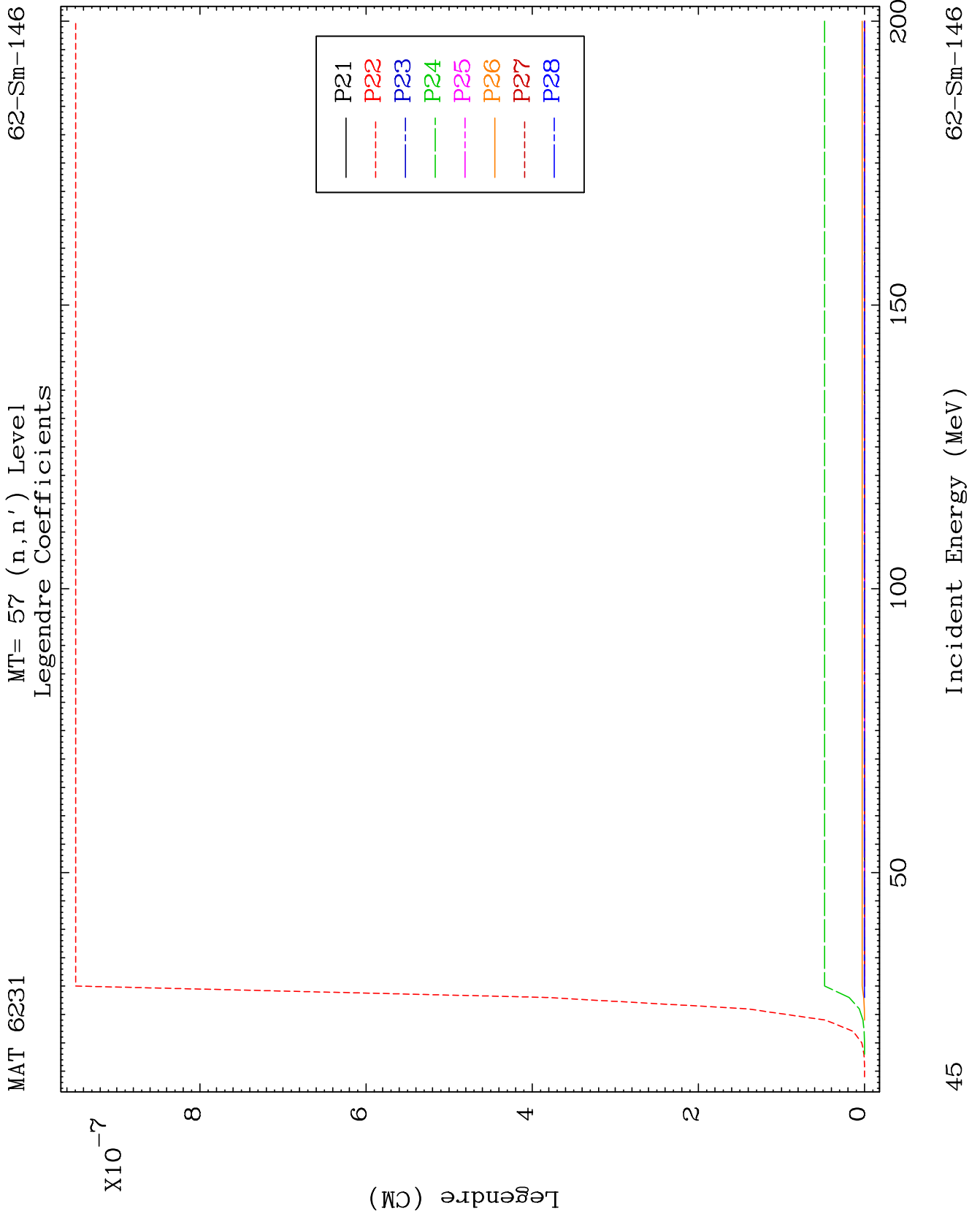
62-Sm-146



44

Incident Energy (MeV)

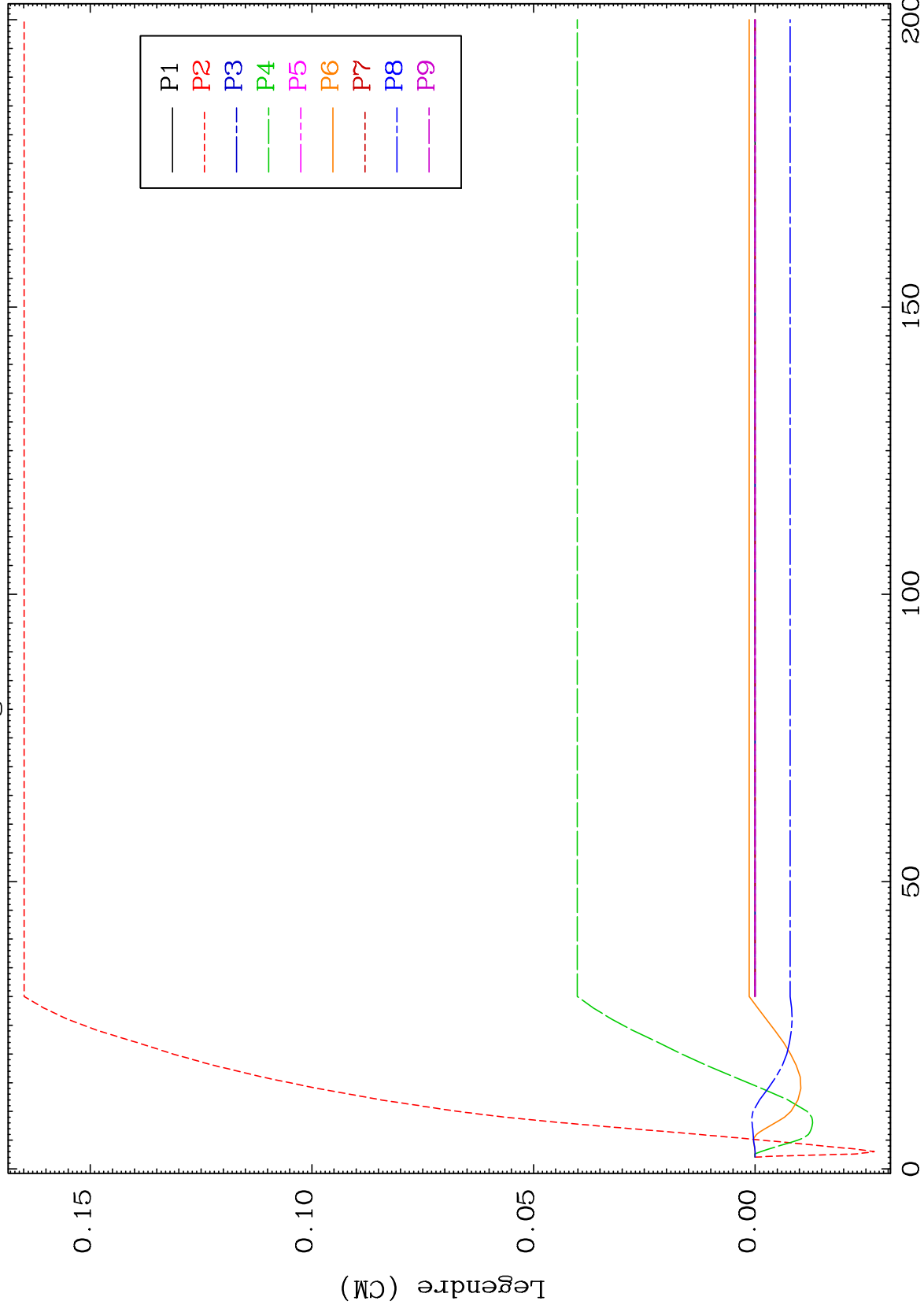
62-Sm-146



MAT 6231

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

62-Sm-146



46

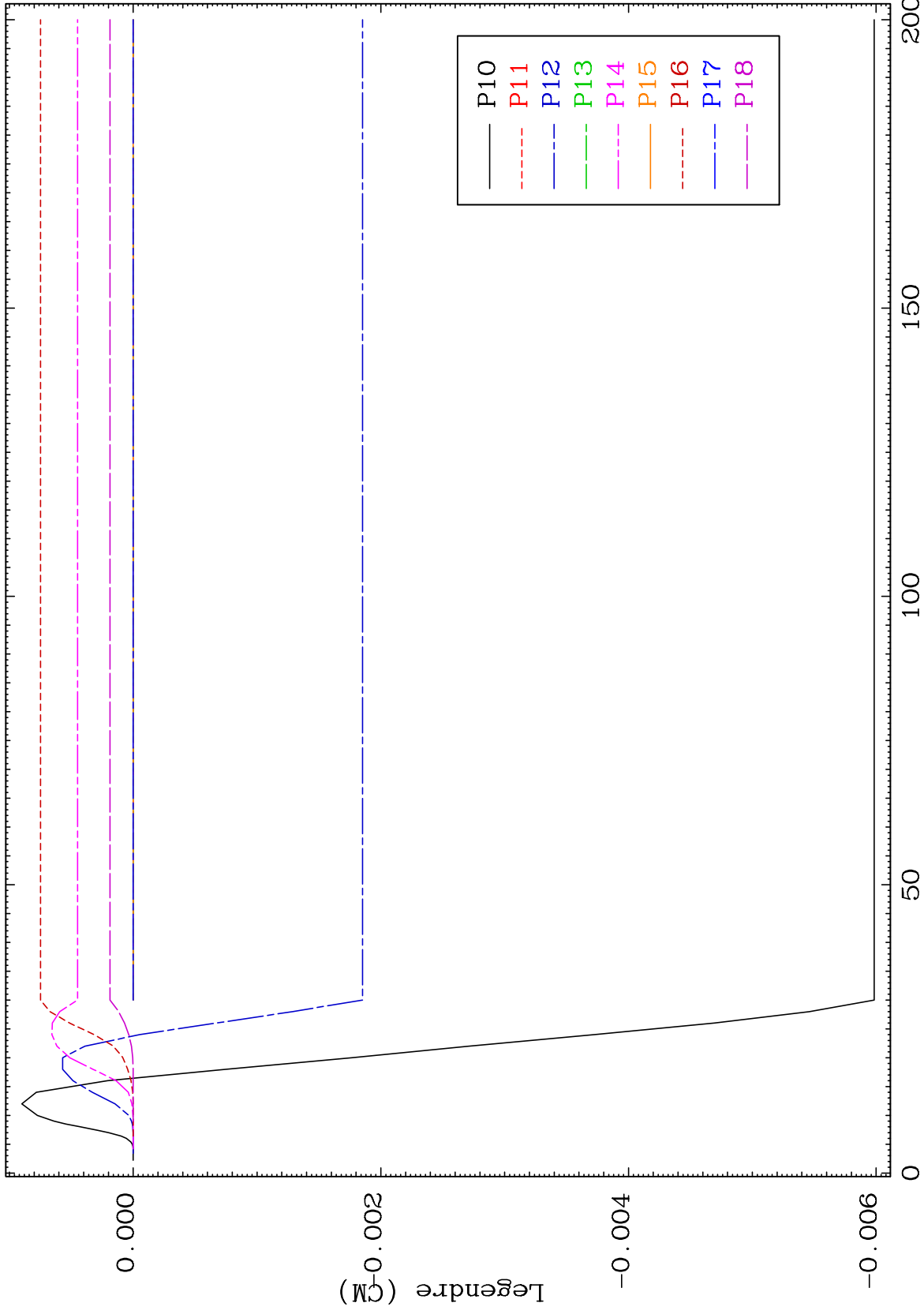
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

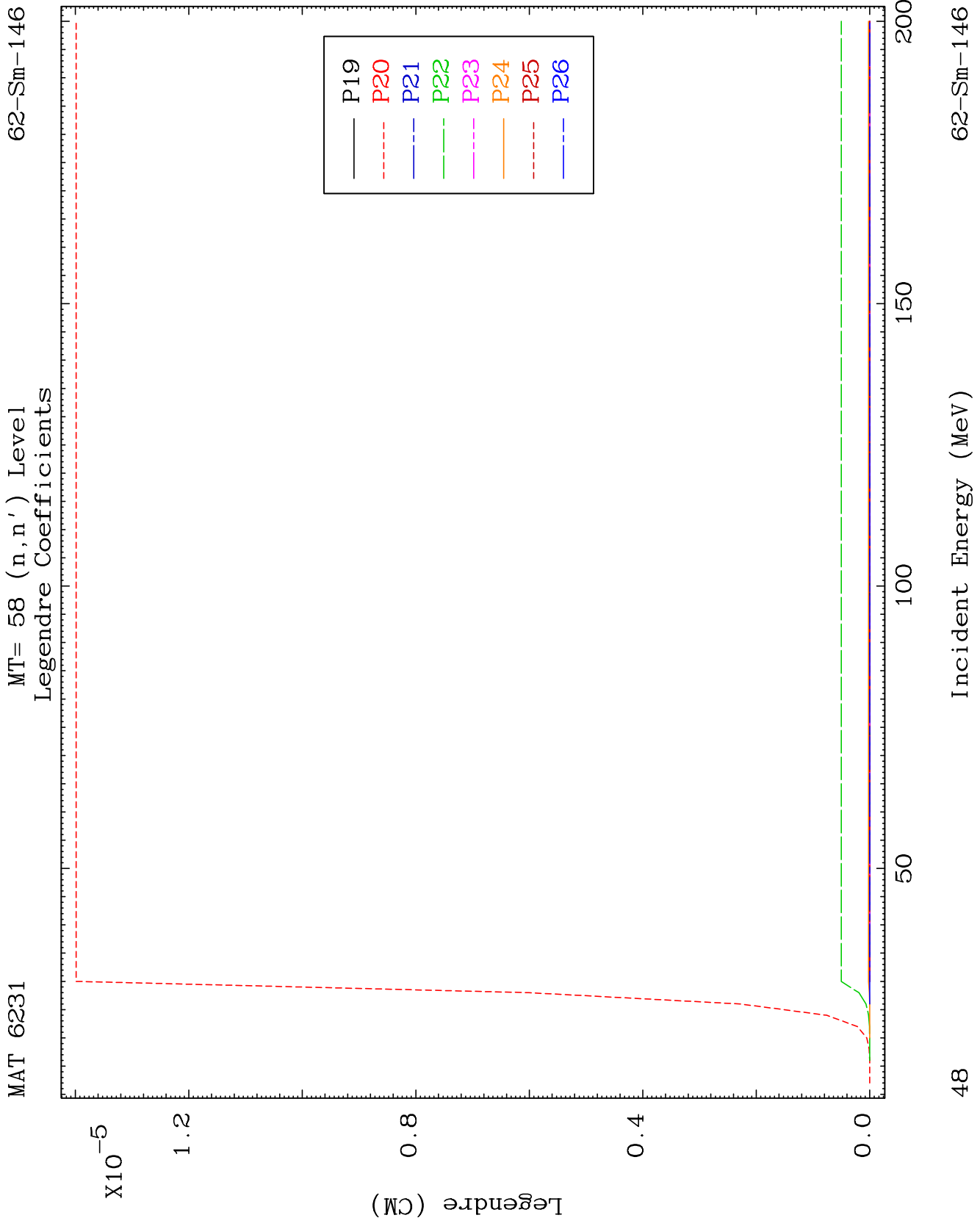
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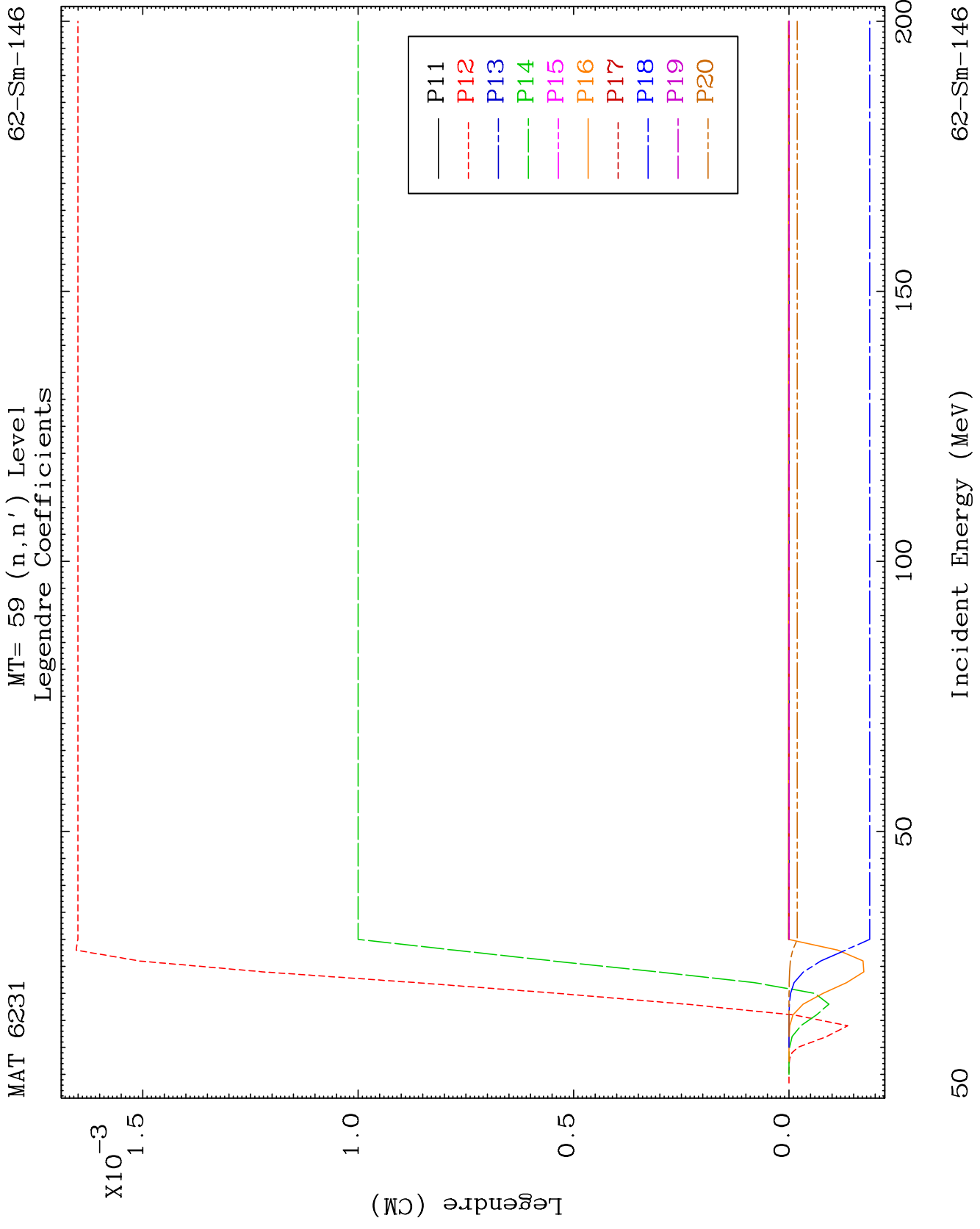


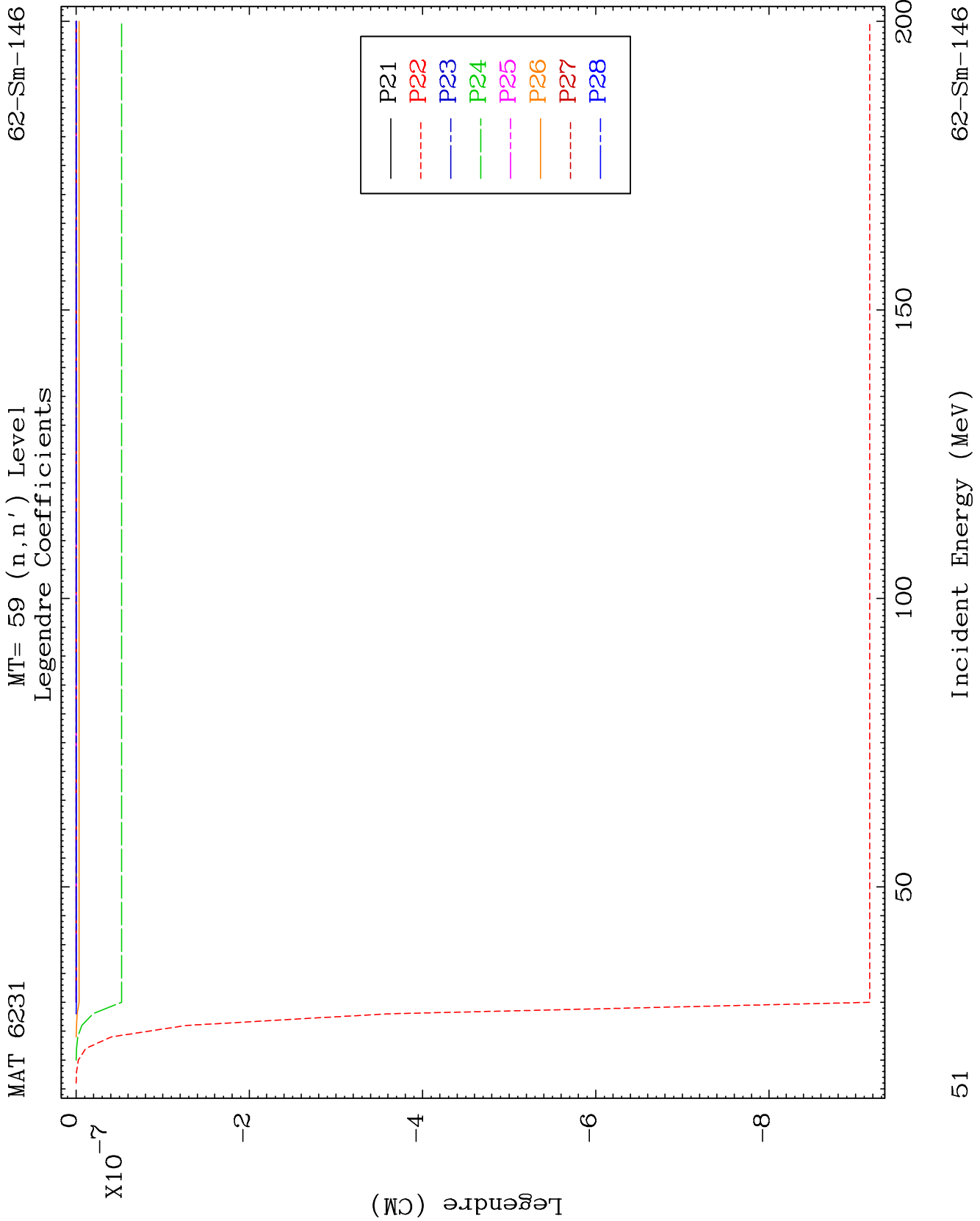
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Incident Energy (MeV)

62-Sm-146



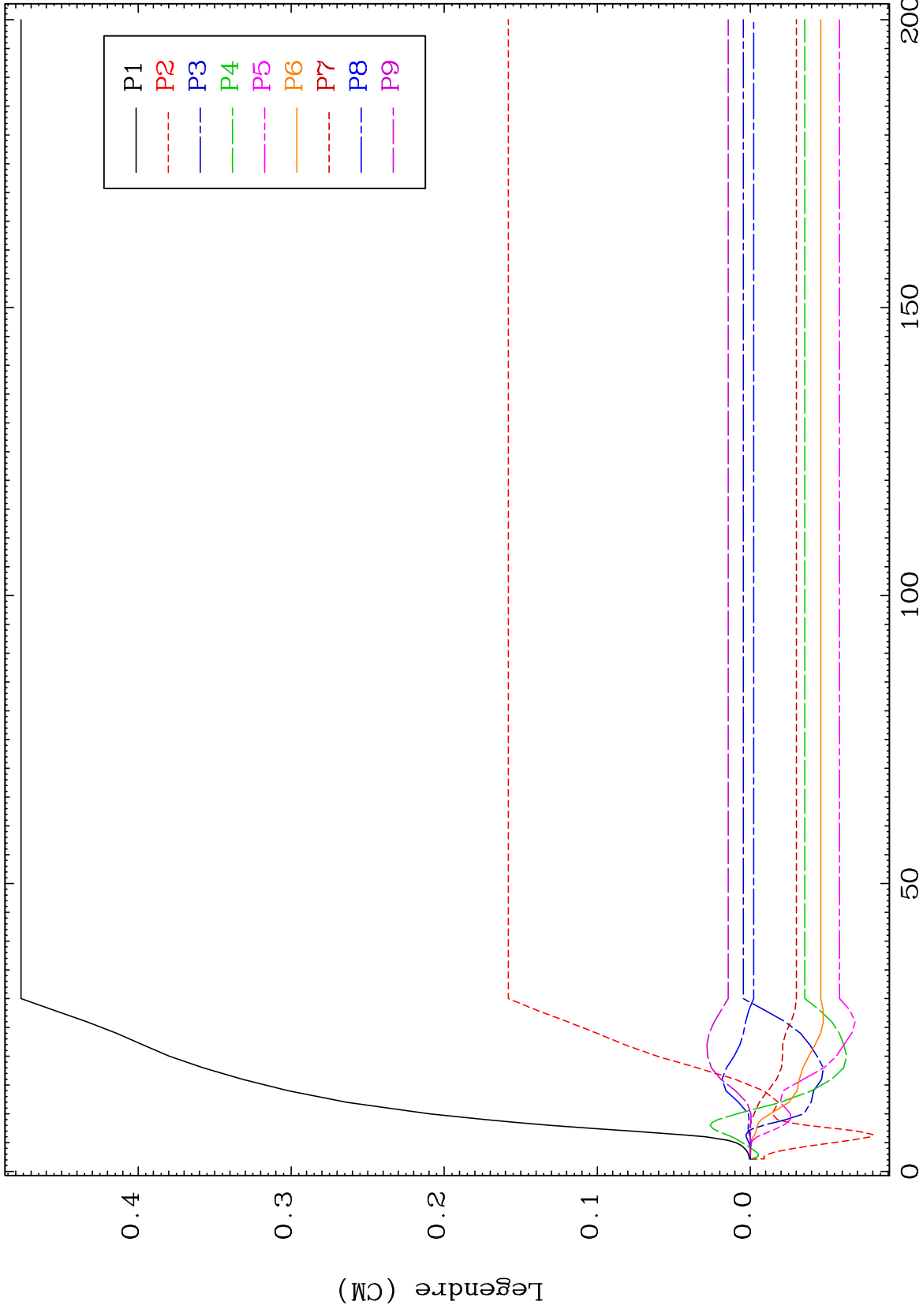




MAT 6231

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

62-Sm-146



62-Sm-146

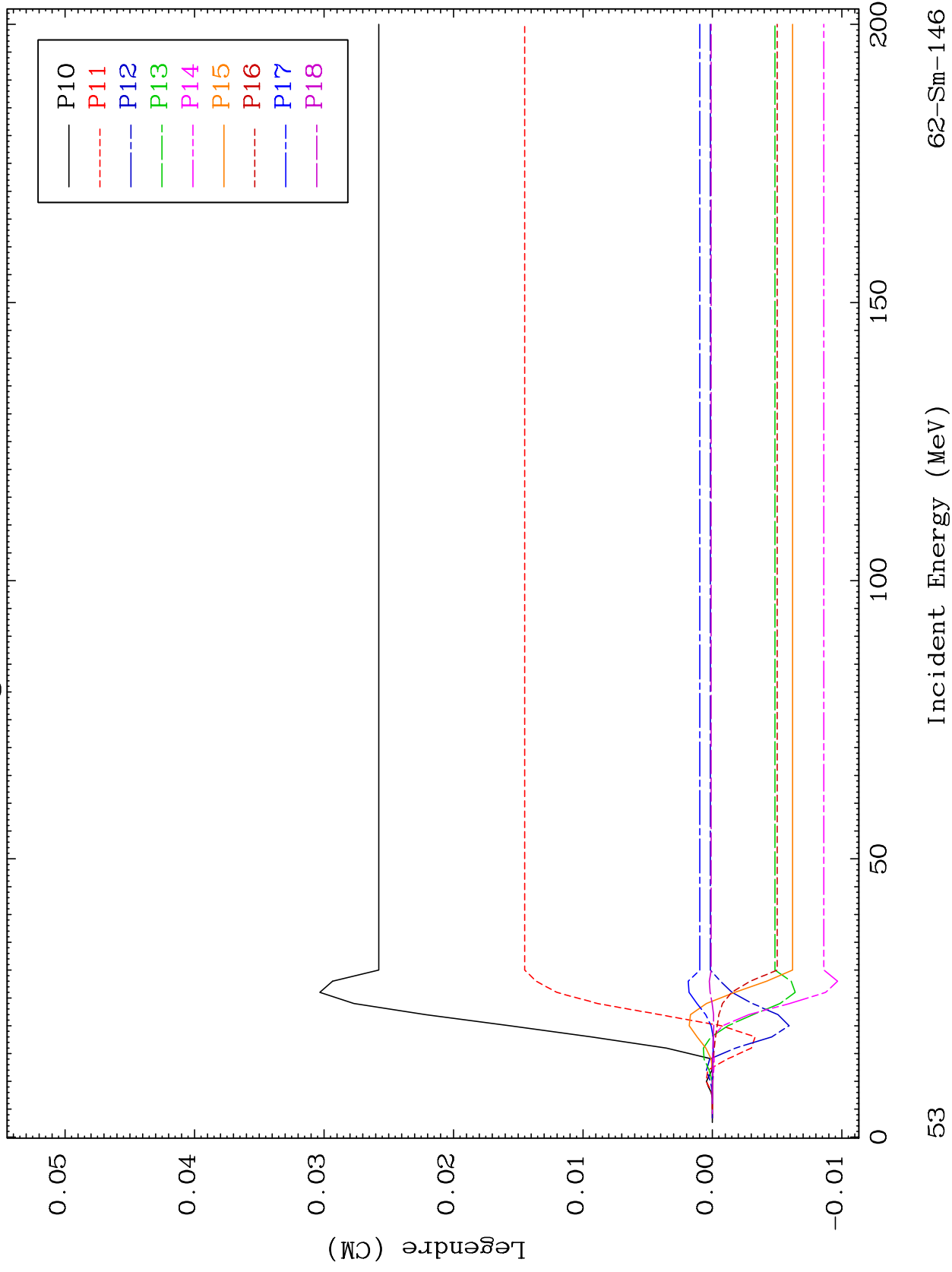
Incident Energy (MeV)

52

MAT 6231

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

62-Sm-146



53

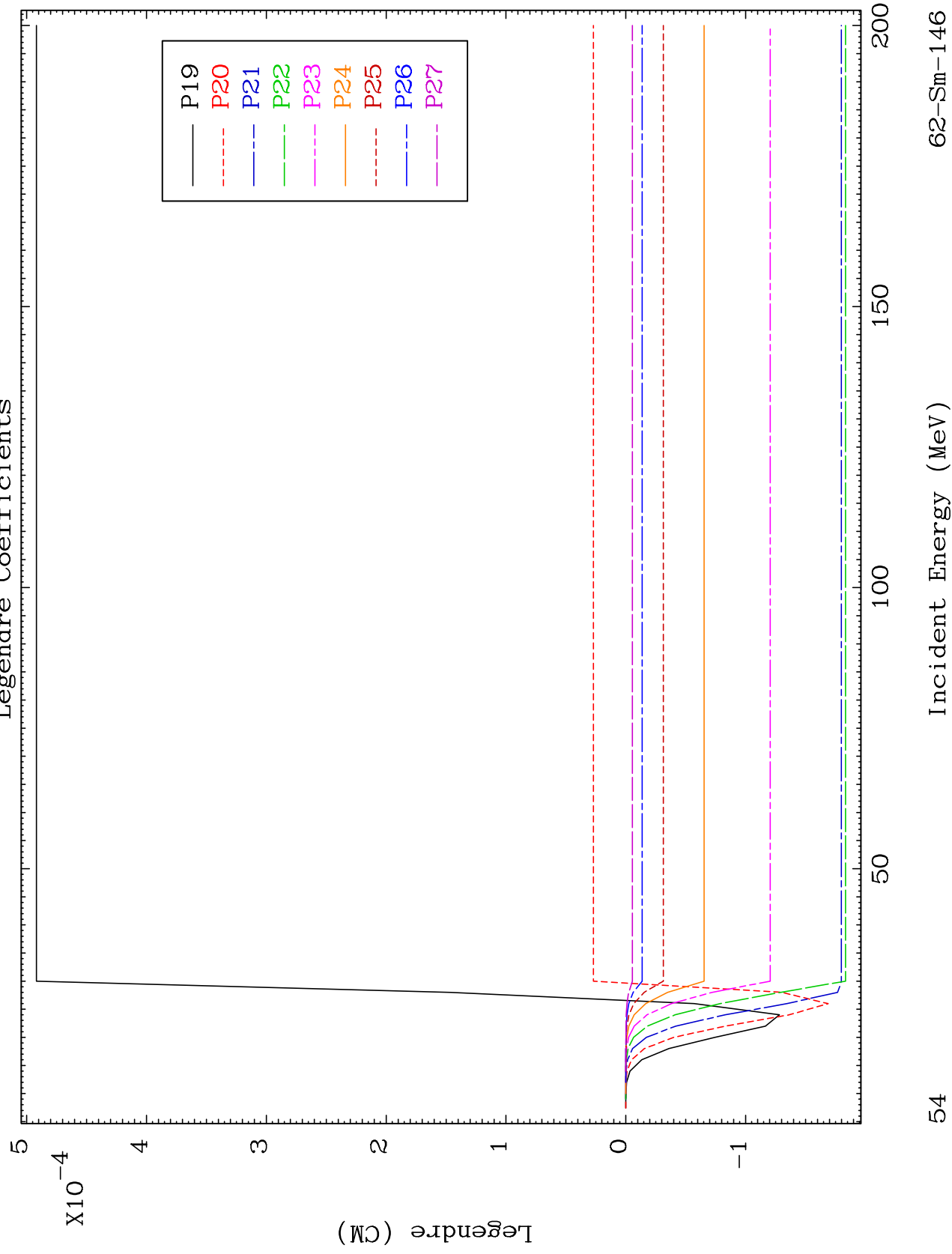
Incident Energy (MeV)

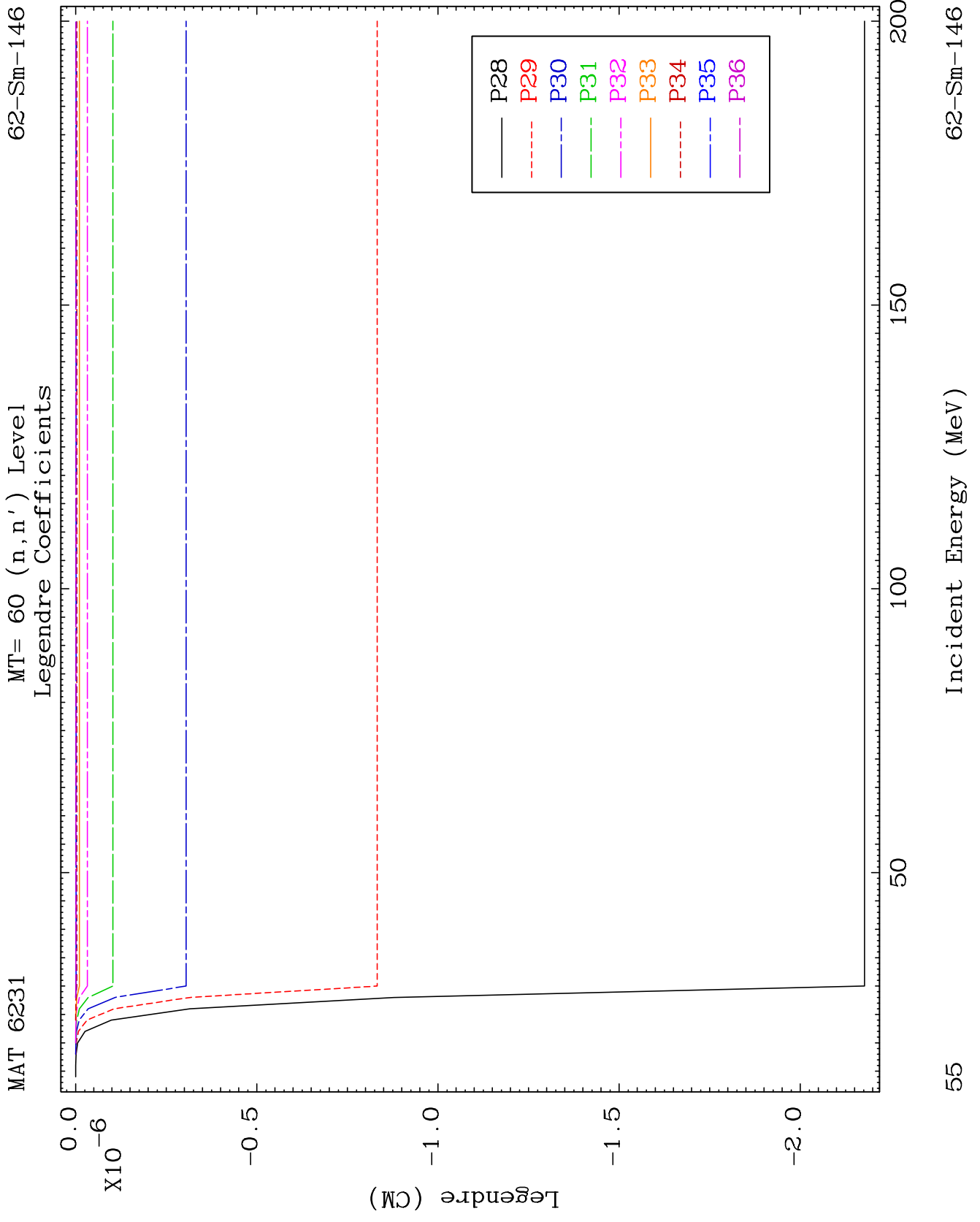
62-Sm-146

MAT 6231

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

62-Sm-146



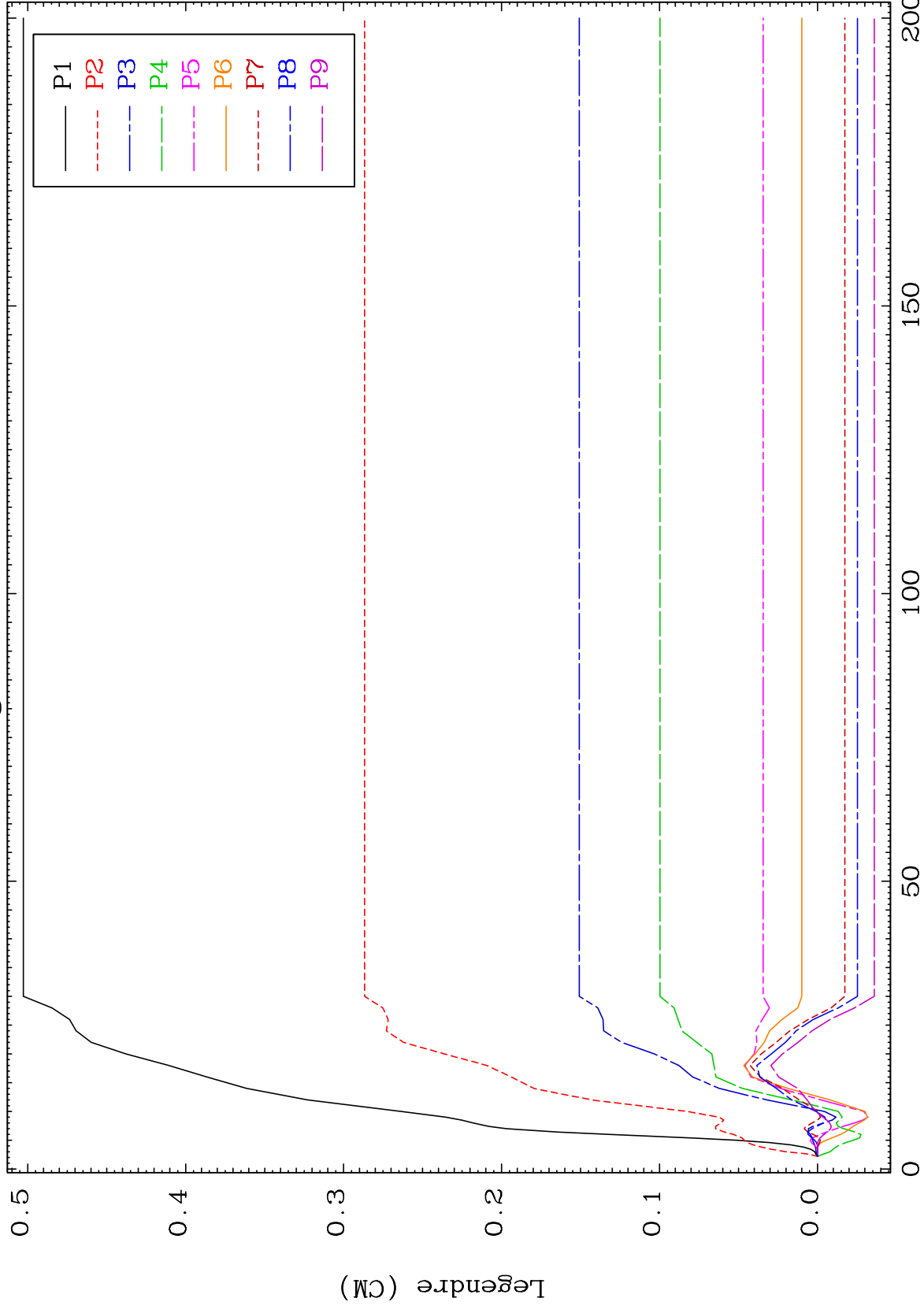


MAT 6231

MT= 61 (n,n') Level

62-Sm-146

Legendre Coefficients



56

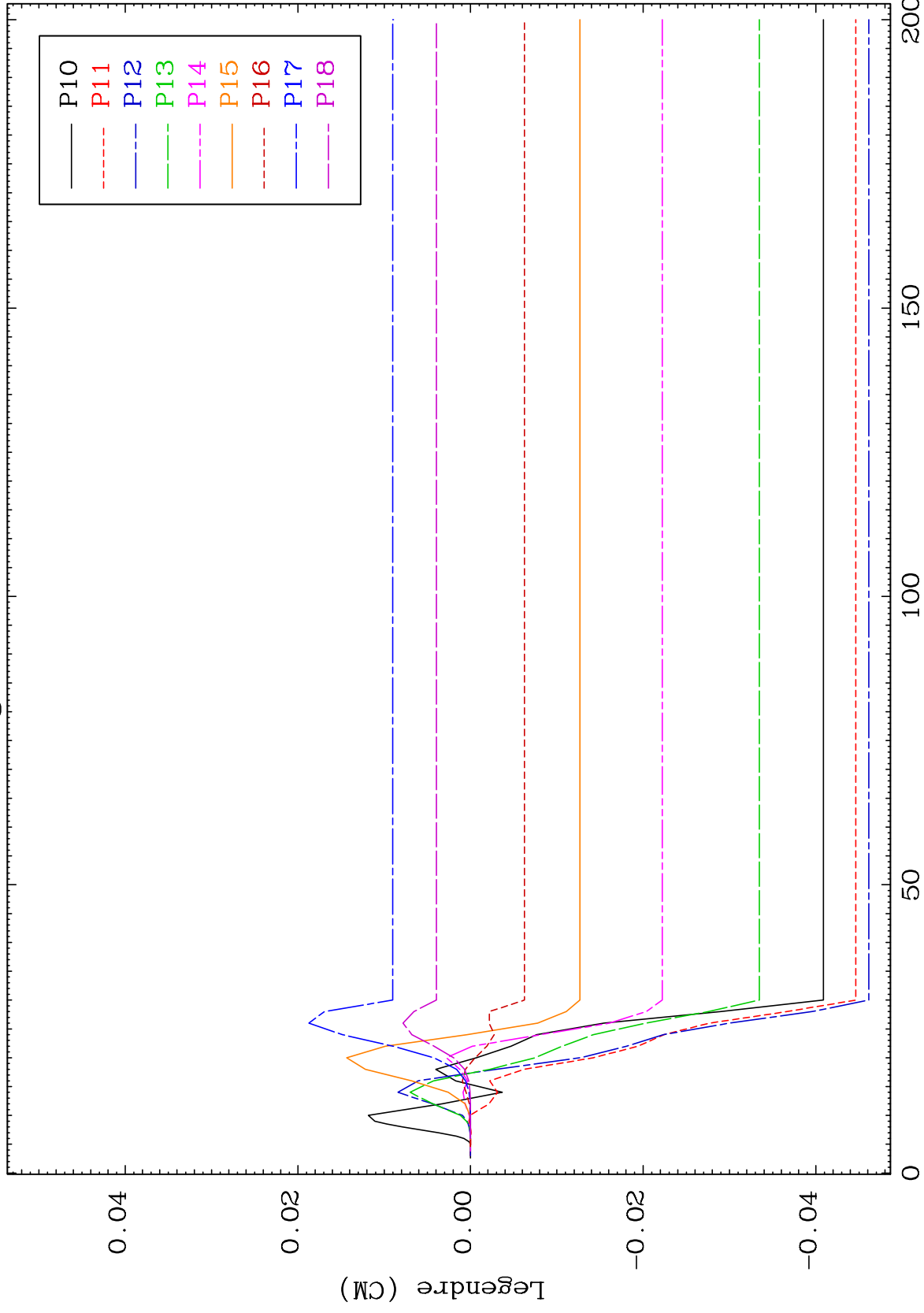
62-Sm-146

62-Sm-146

MAT 6231

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

62-Sm-146



57

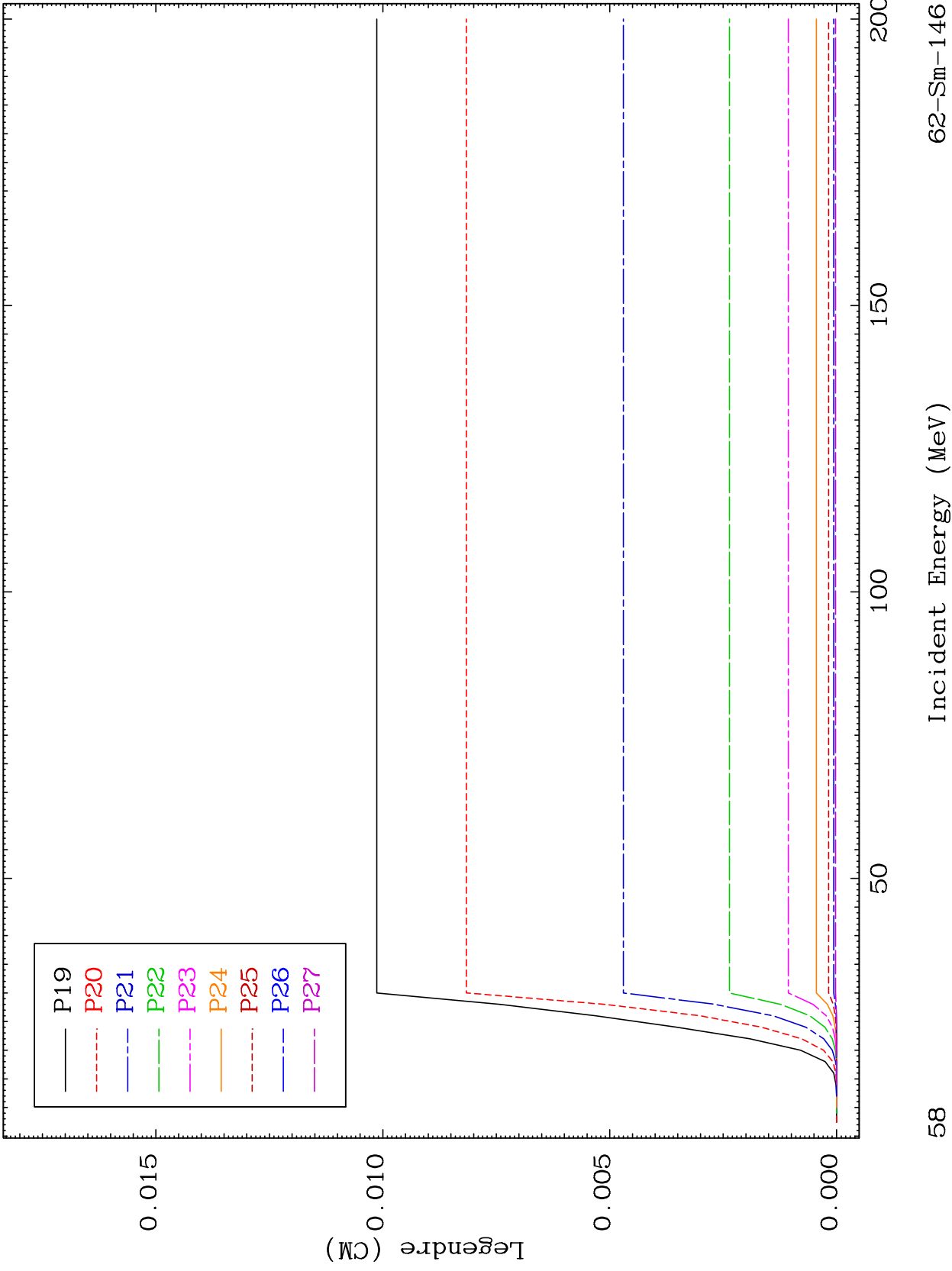
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

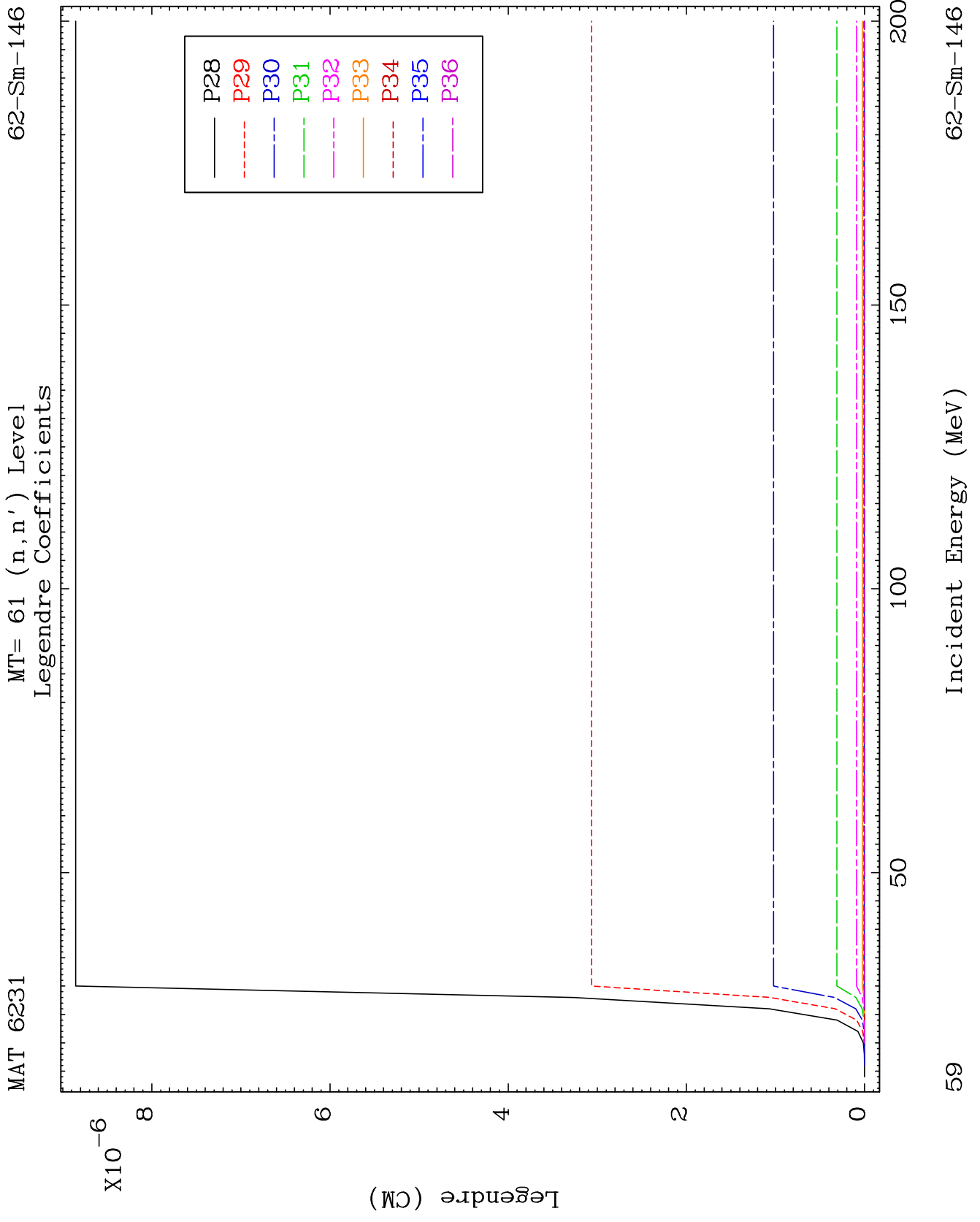
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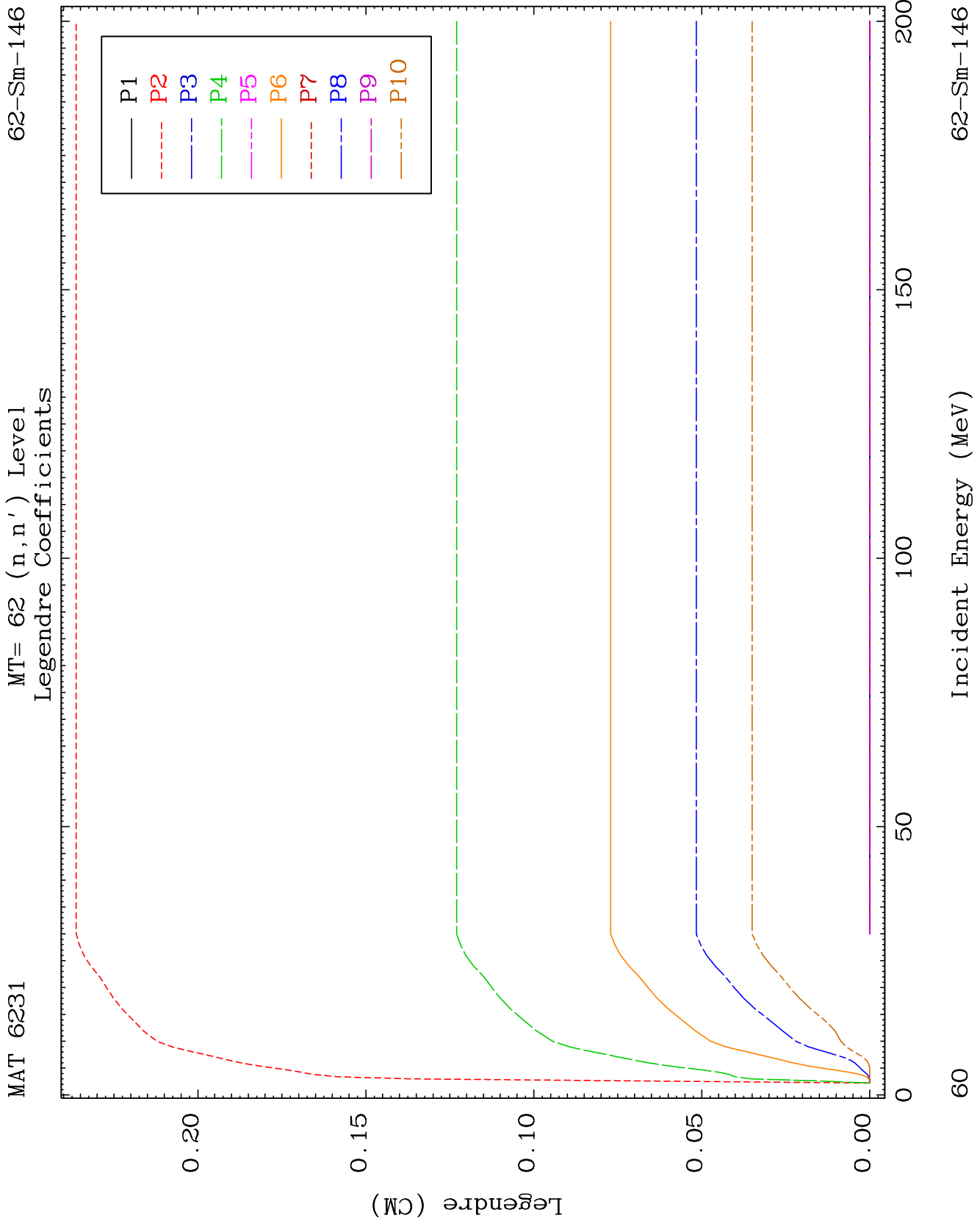


58

Incident Energy (MeV)

62-Sm-146

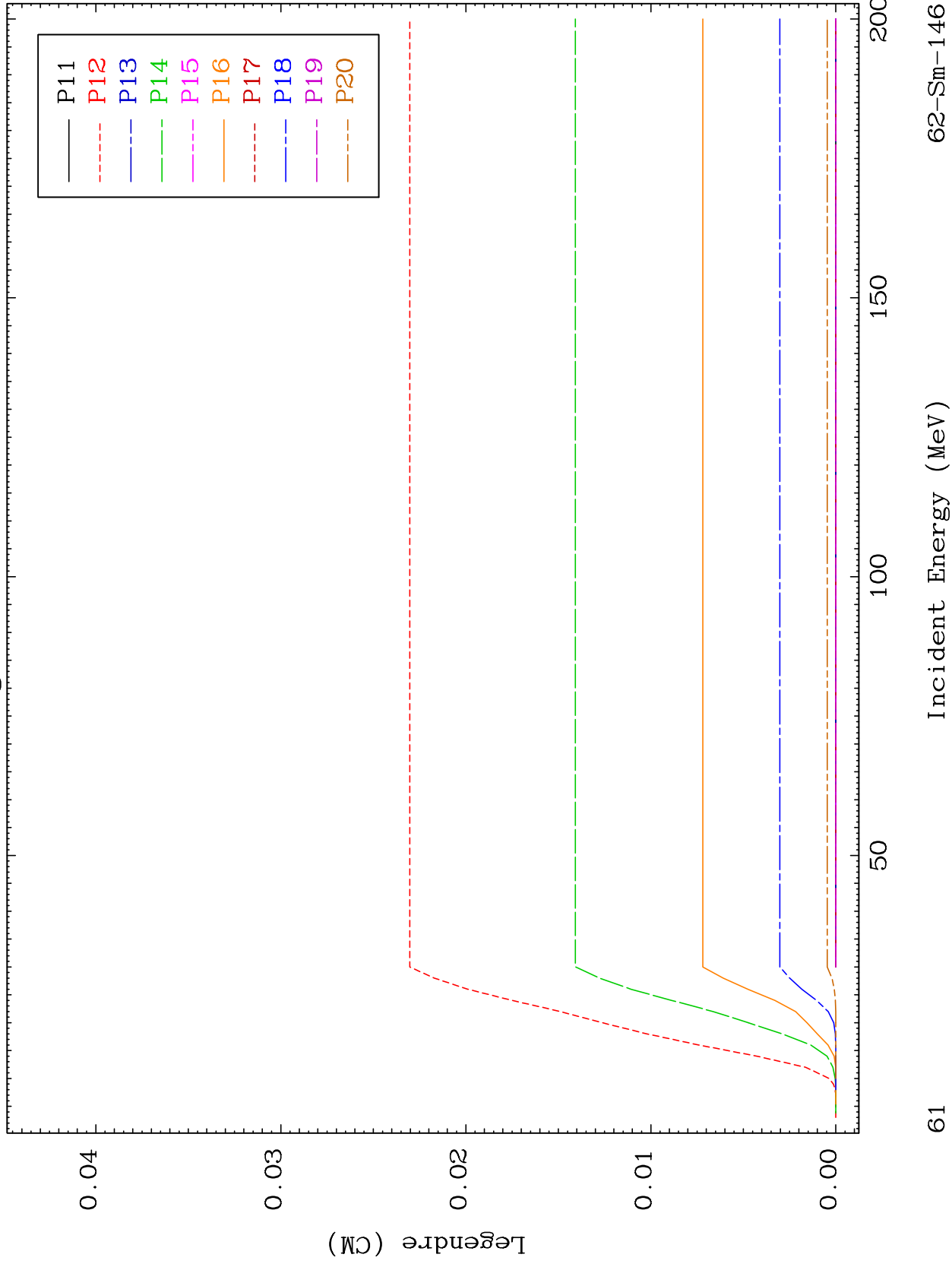




MAT 6231

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

62-Sm-146



61

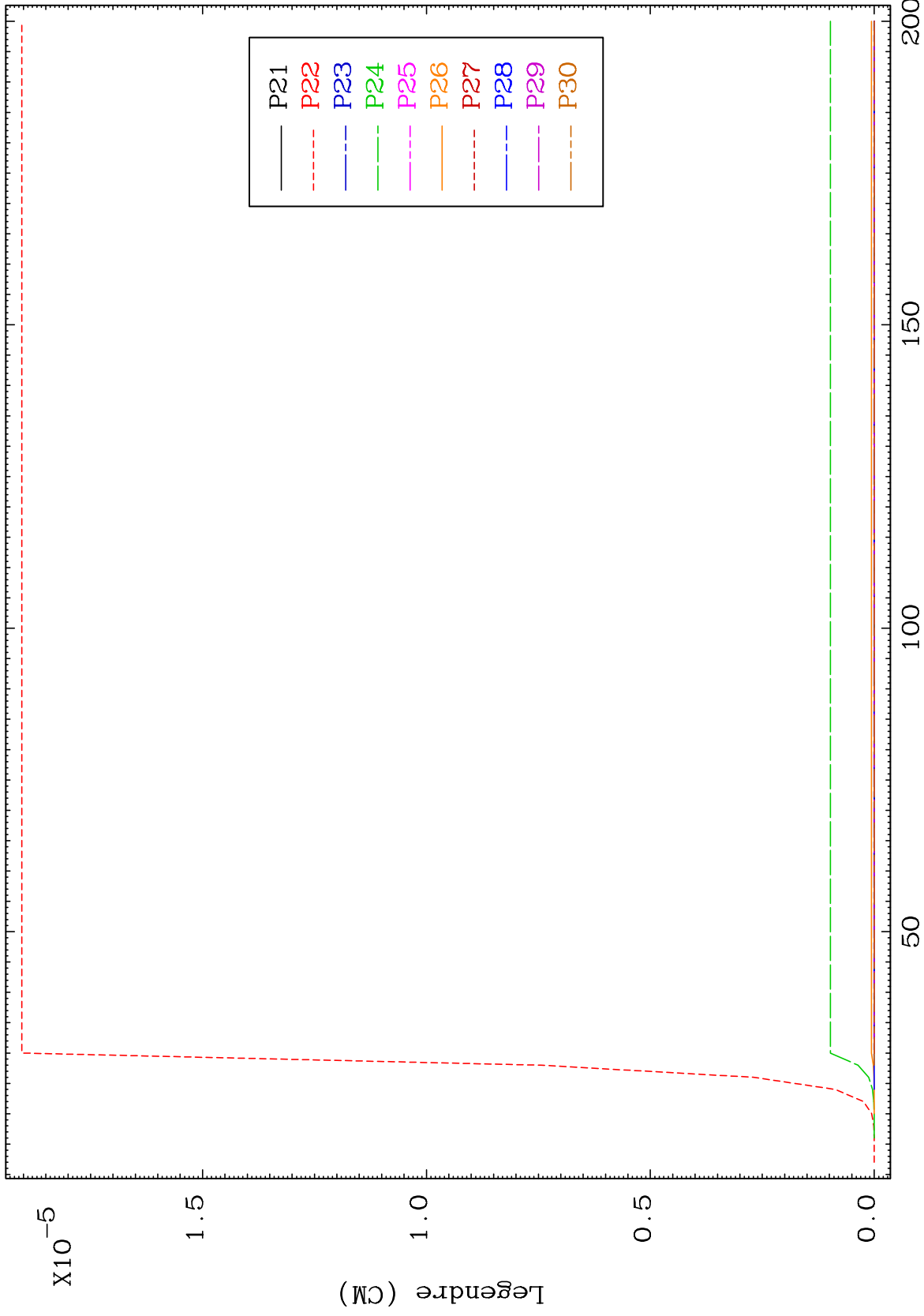
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62

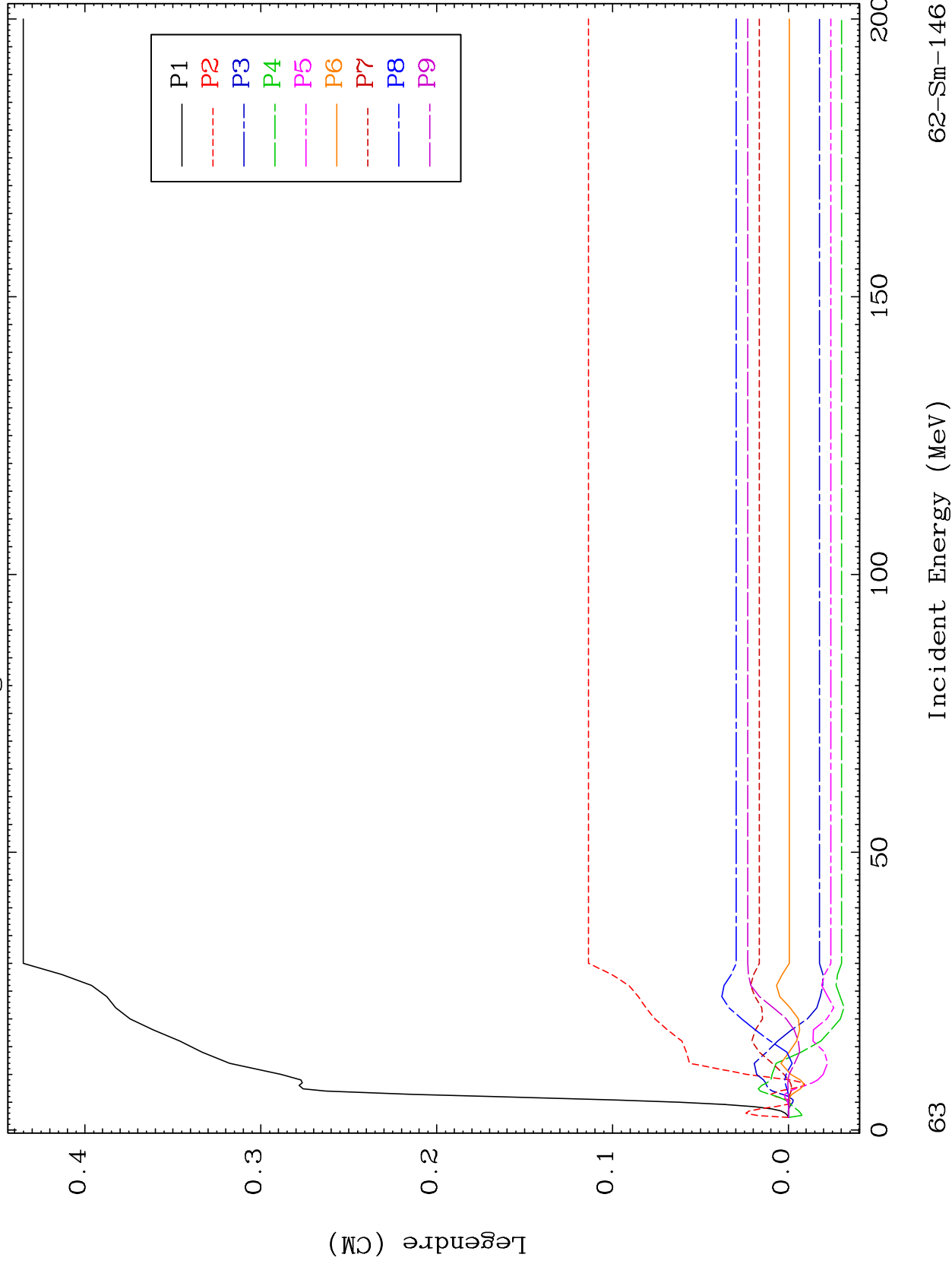
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

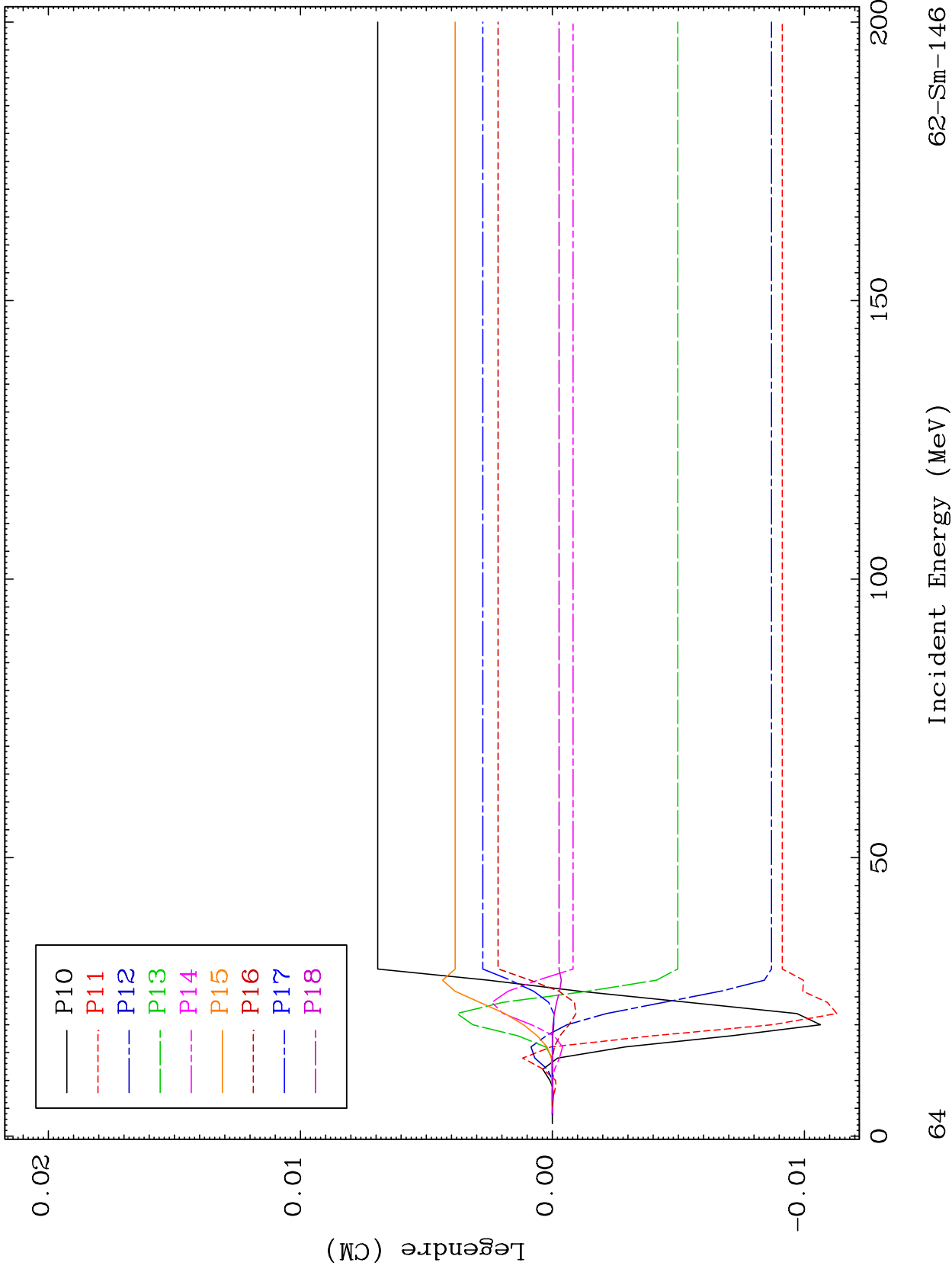
Incident Energy (MeV)

63

MAT 6231

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

62-Sm-146



64

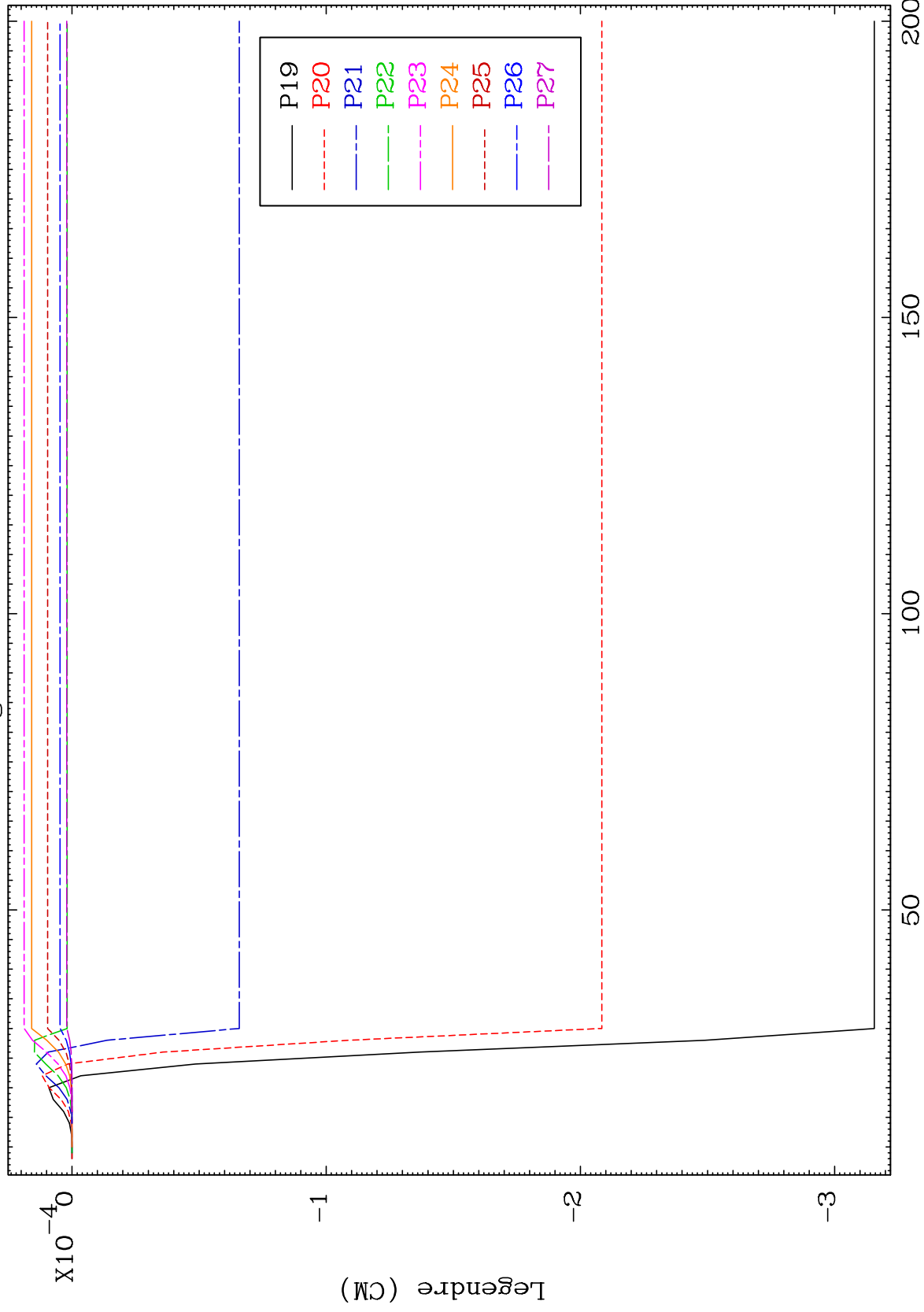
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



65

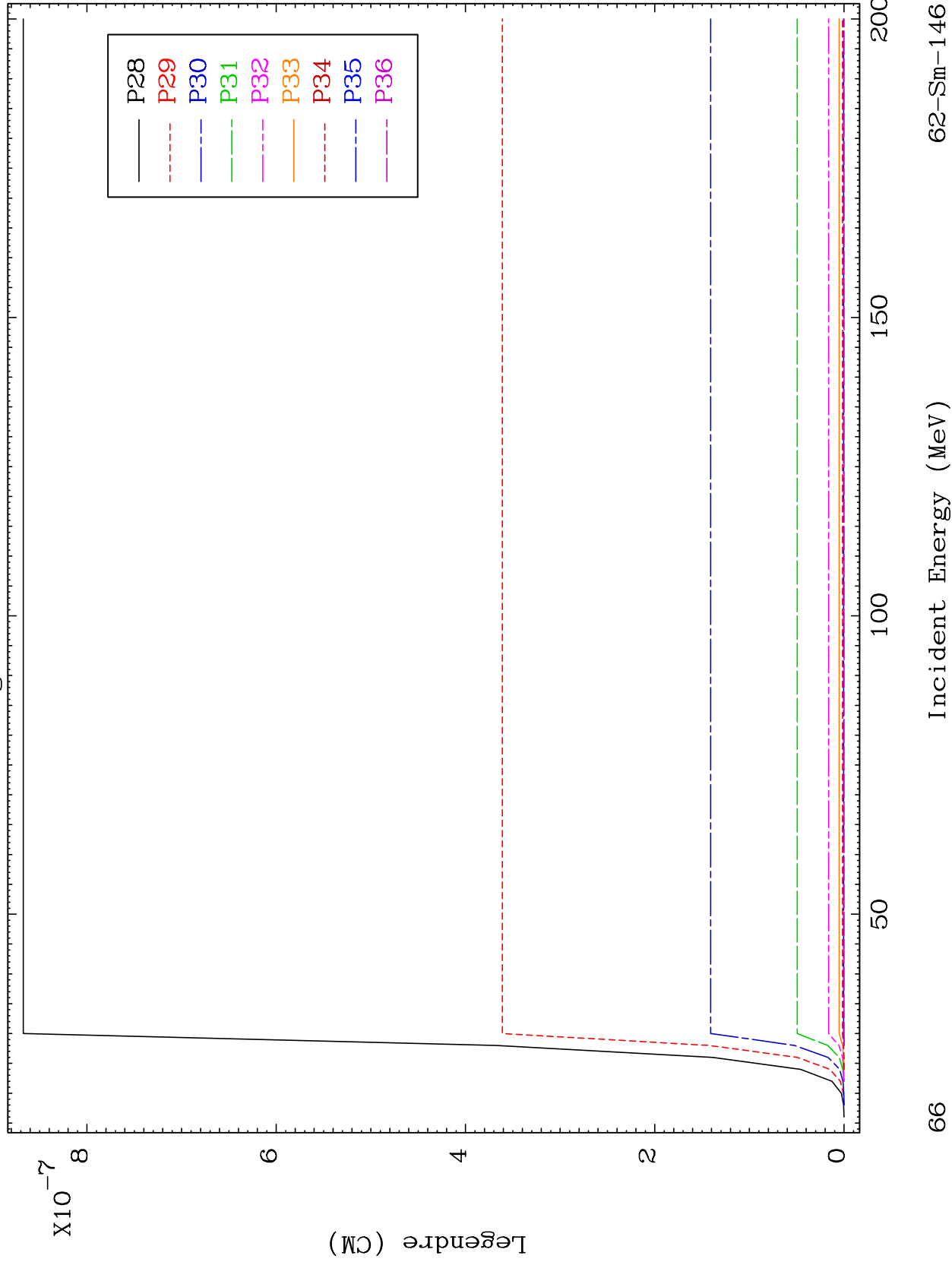
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

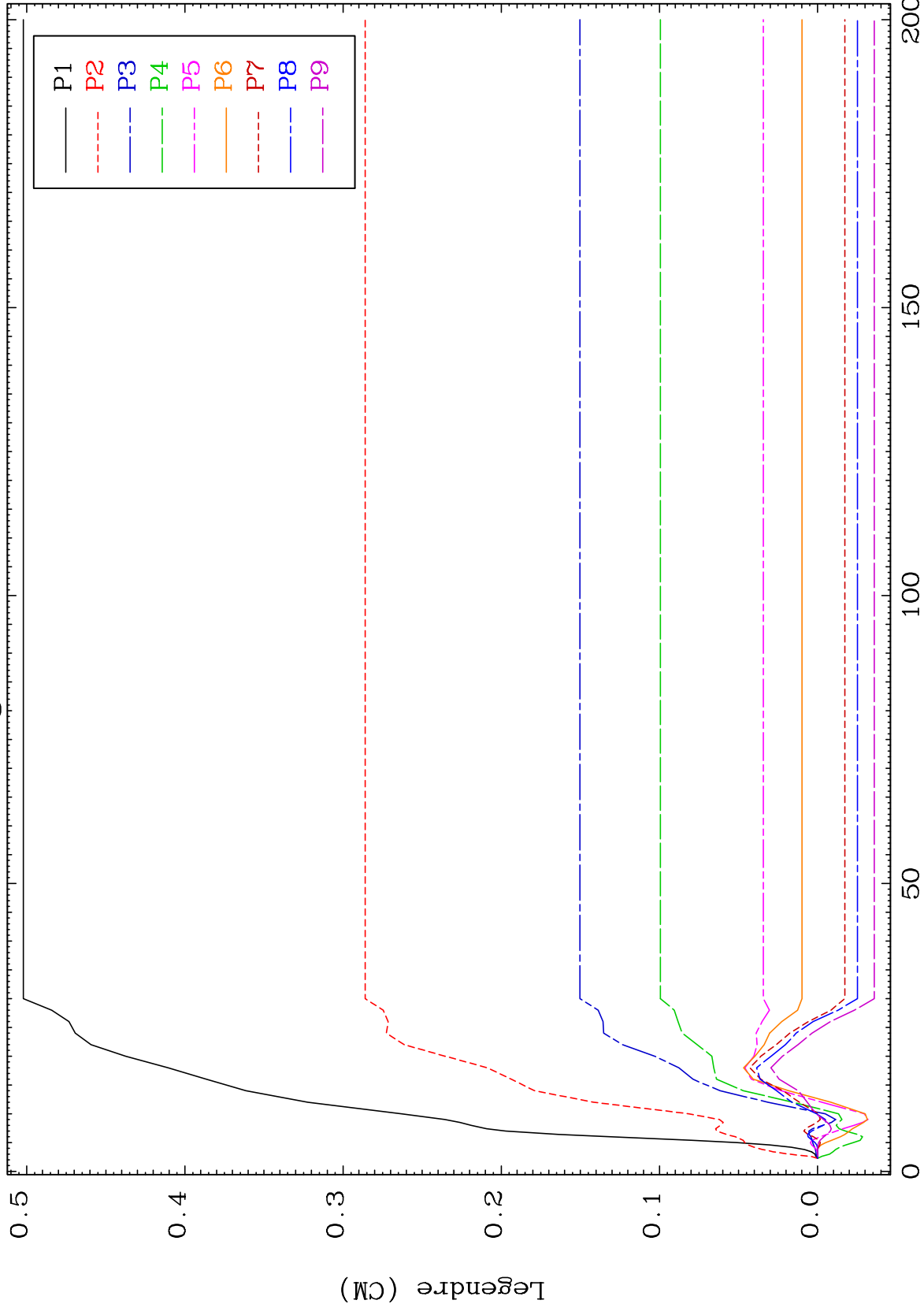
62-Sm-146



MAT 6231

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

62-Sm-146



67

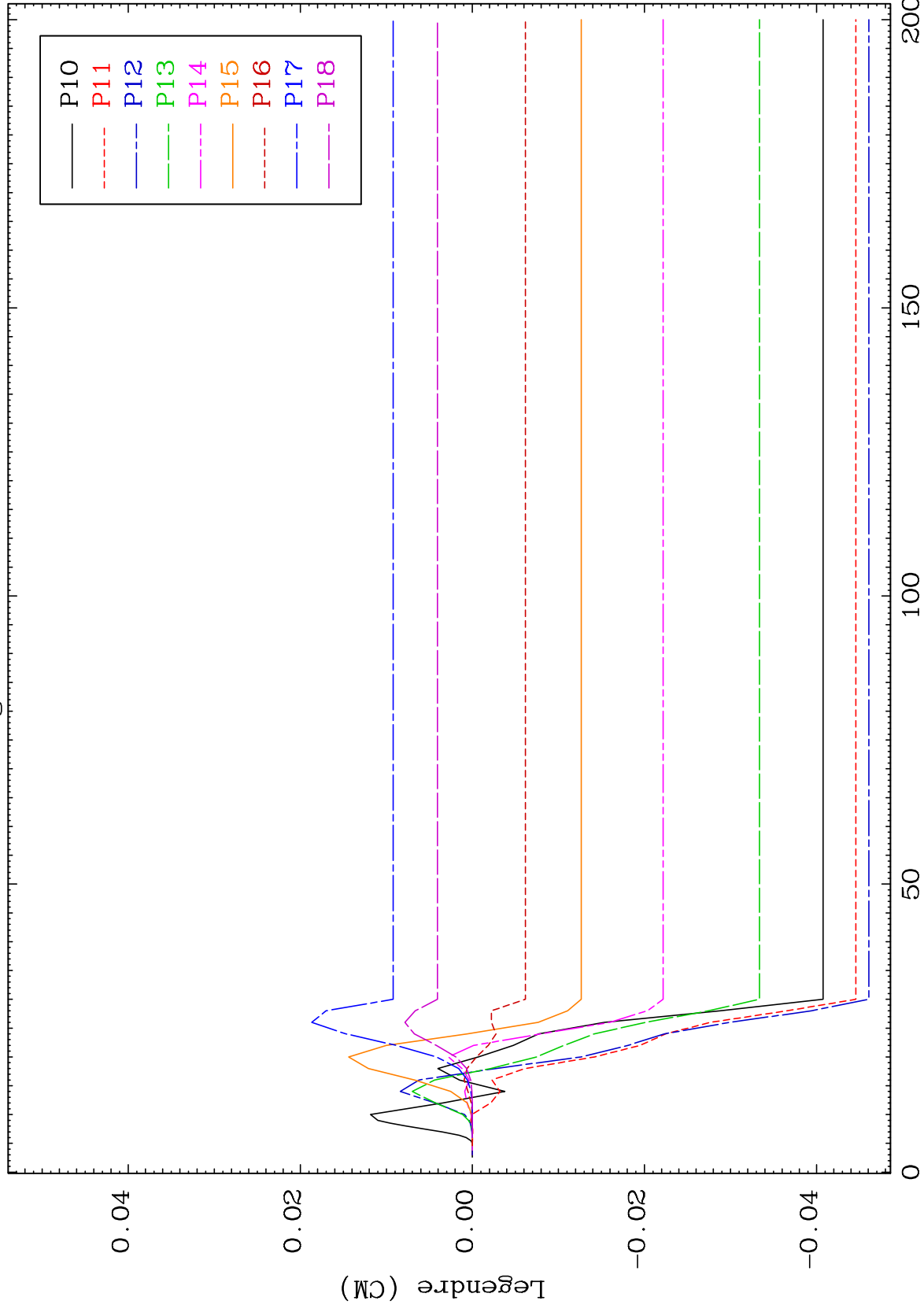
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



68

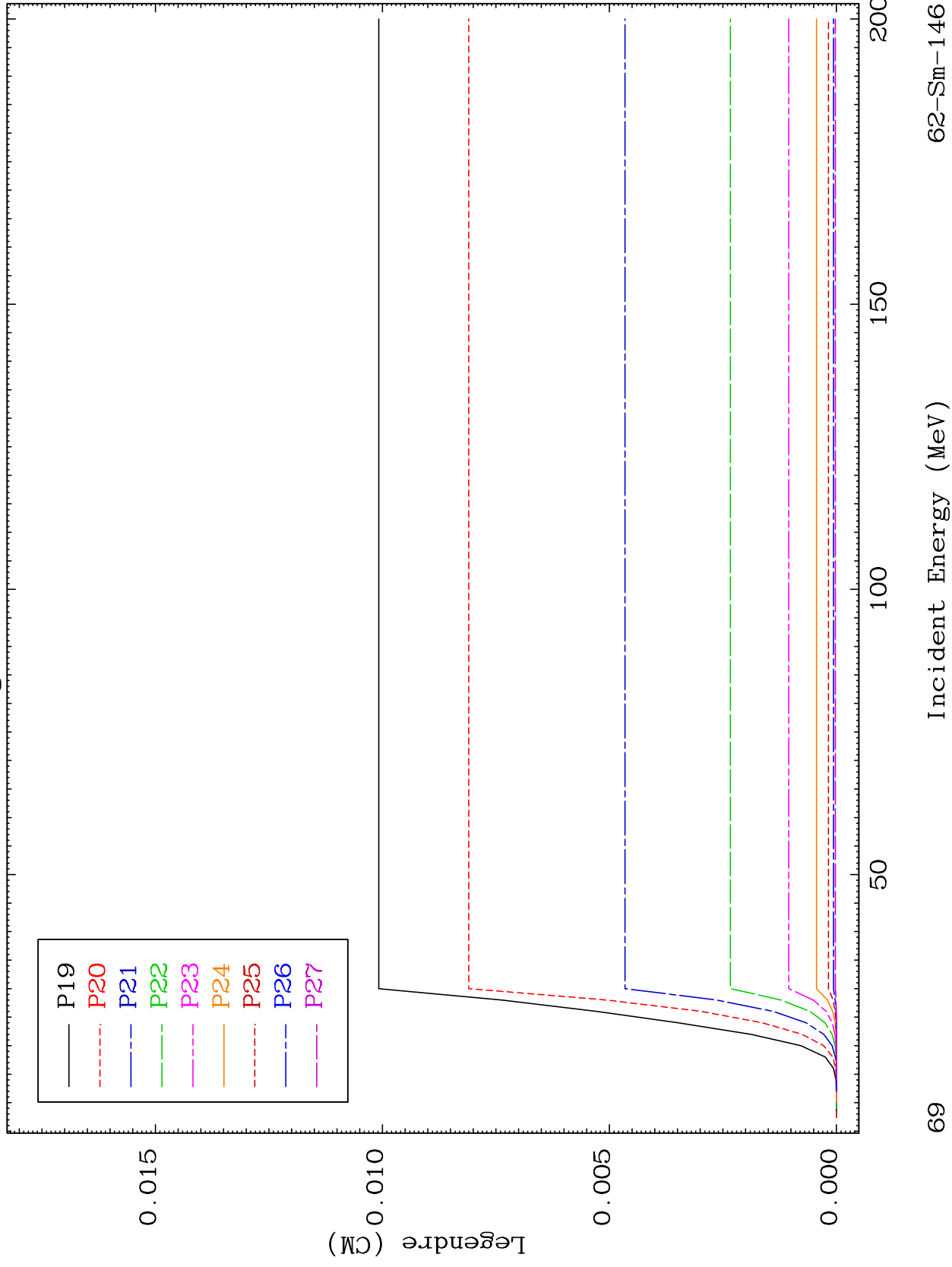
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



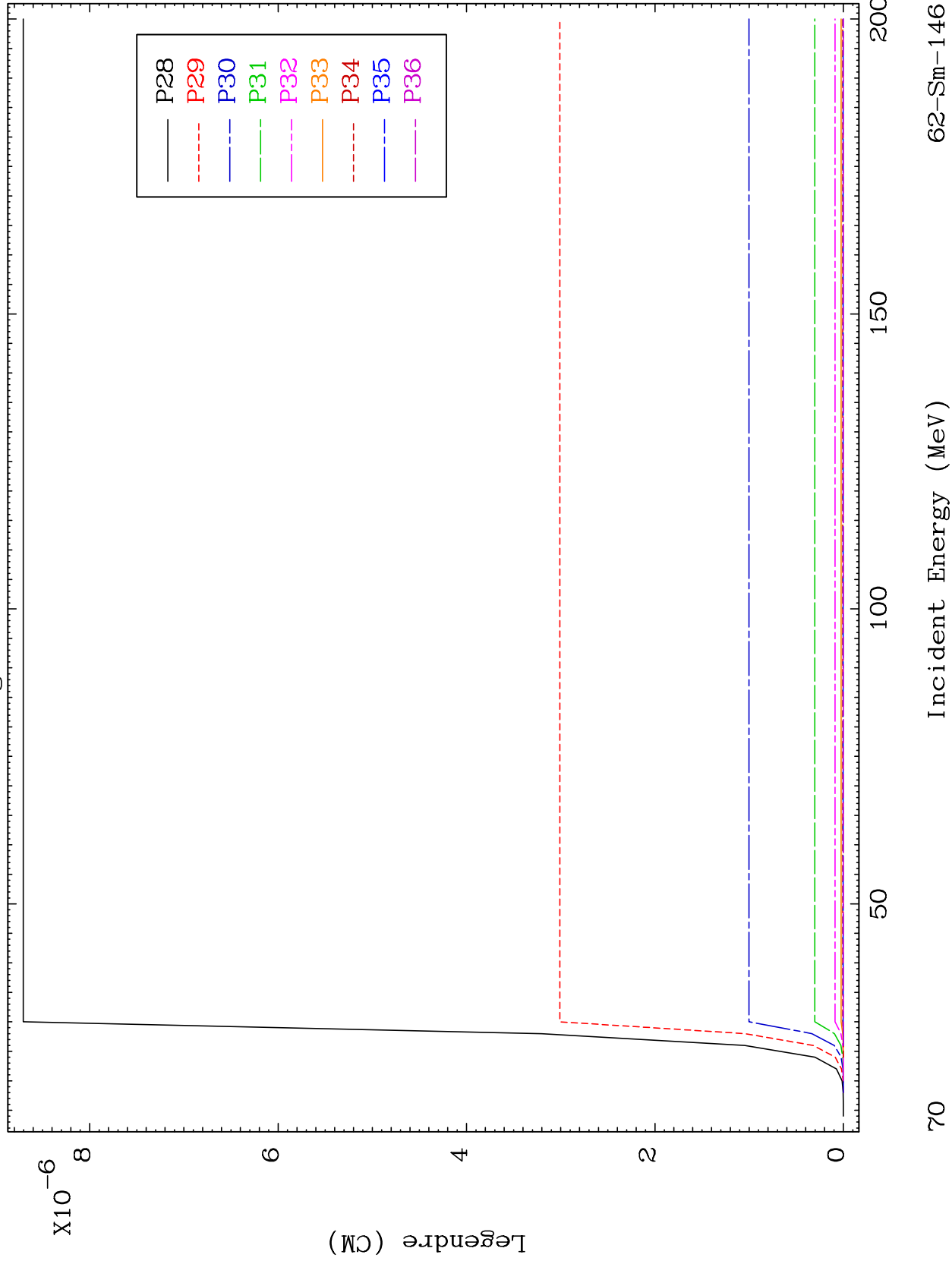
69

62-Sm-146

MAT 6231

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

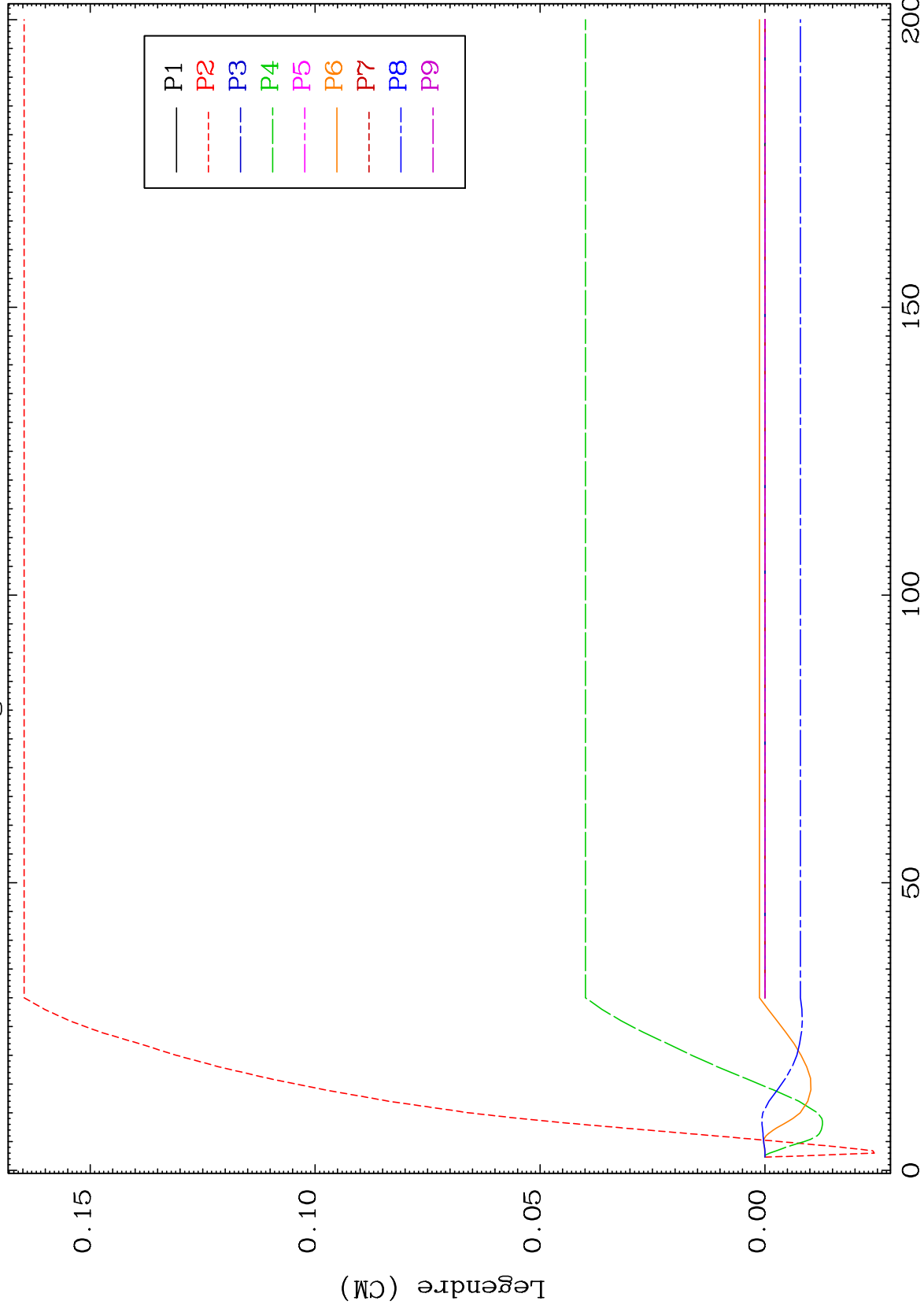
62-Sm-146



MAT 6231

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

62-Sm-146



71

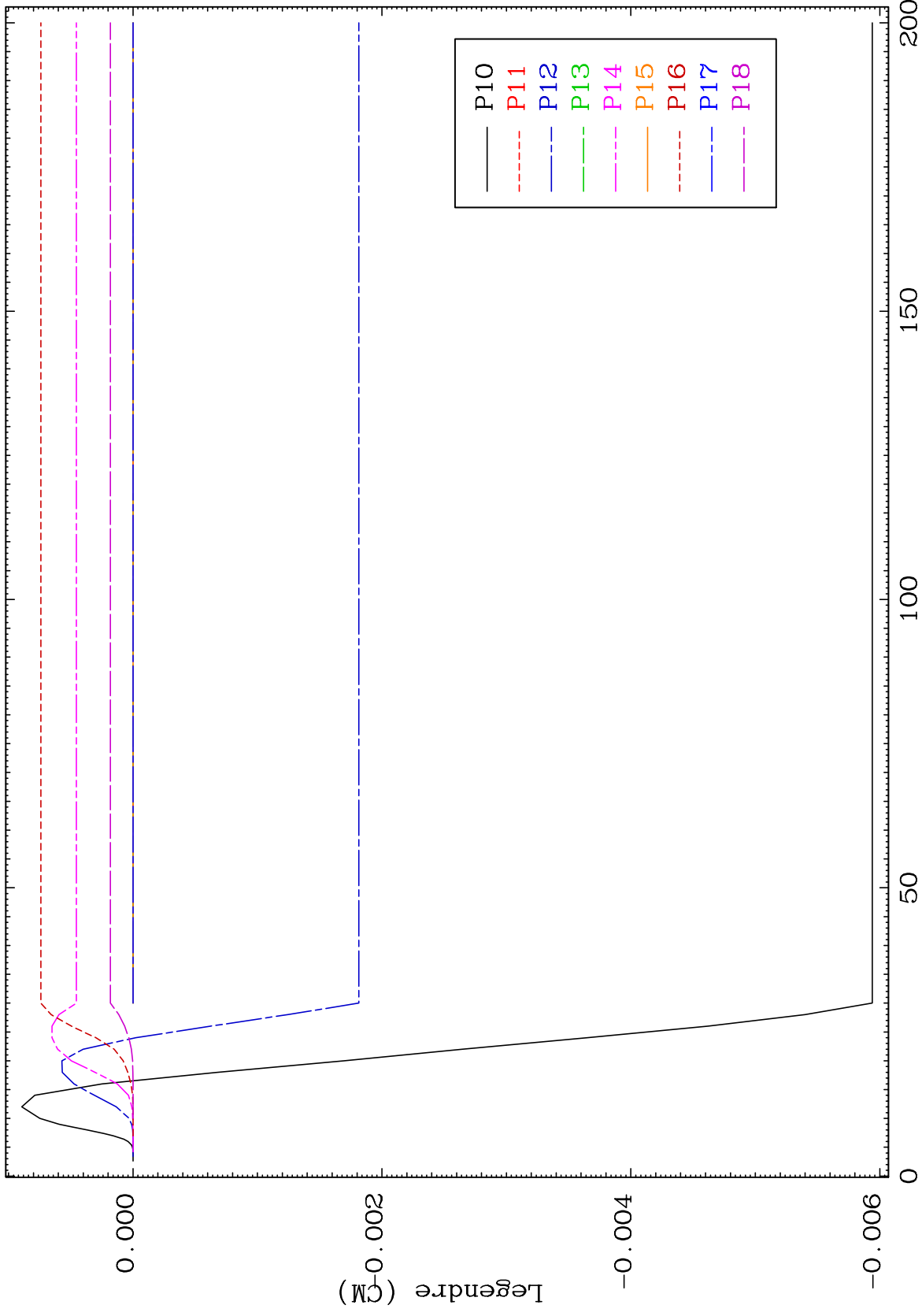
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



72

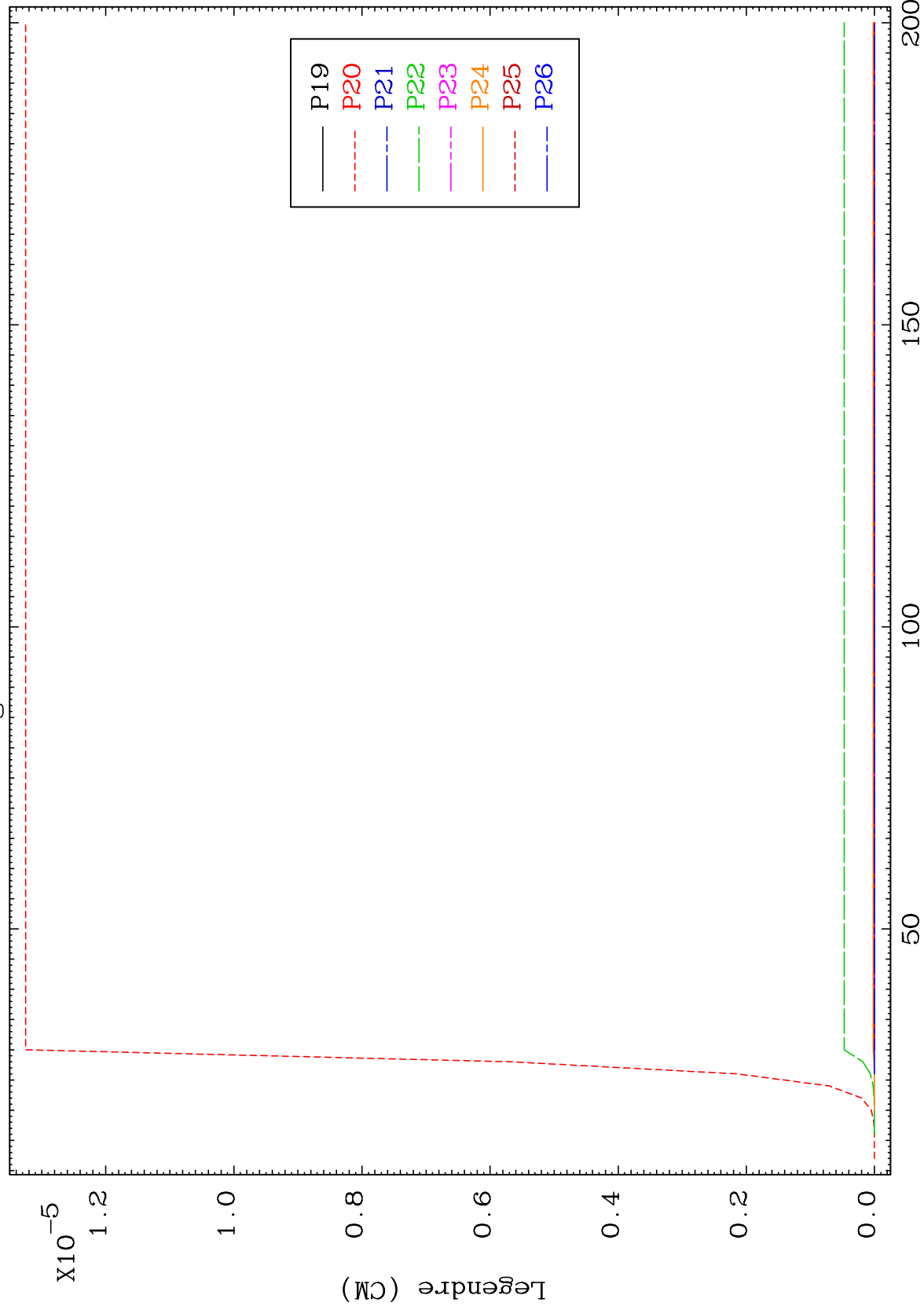
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

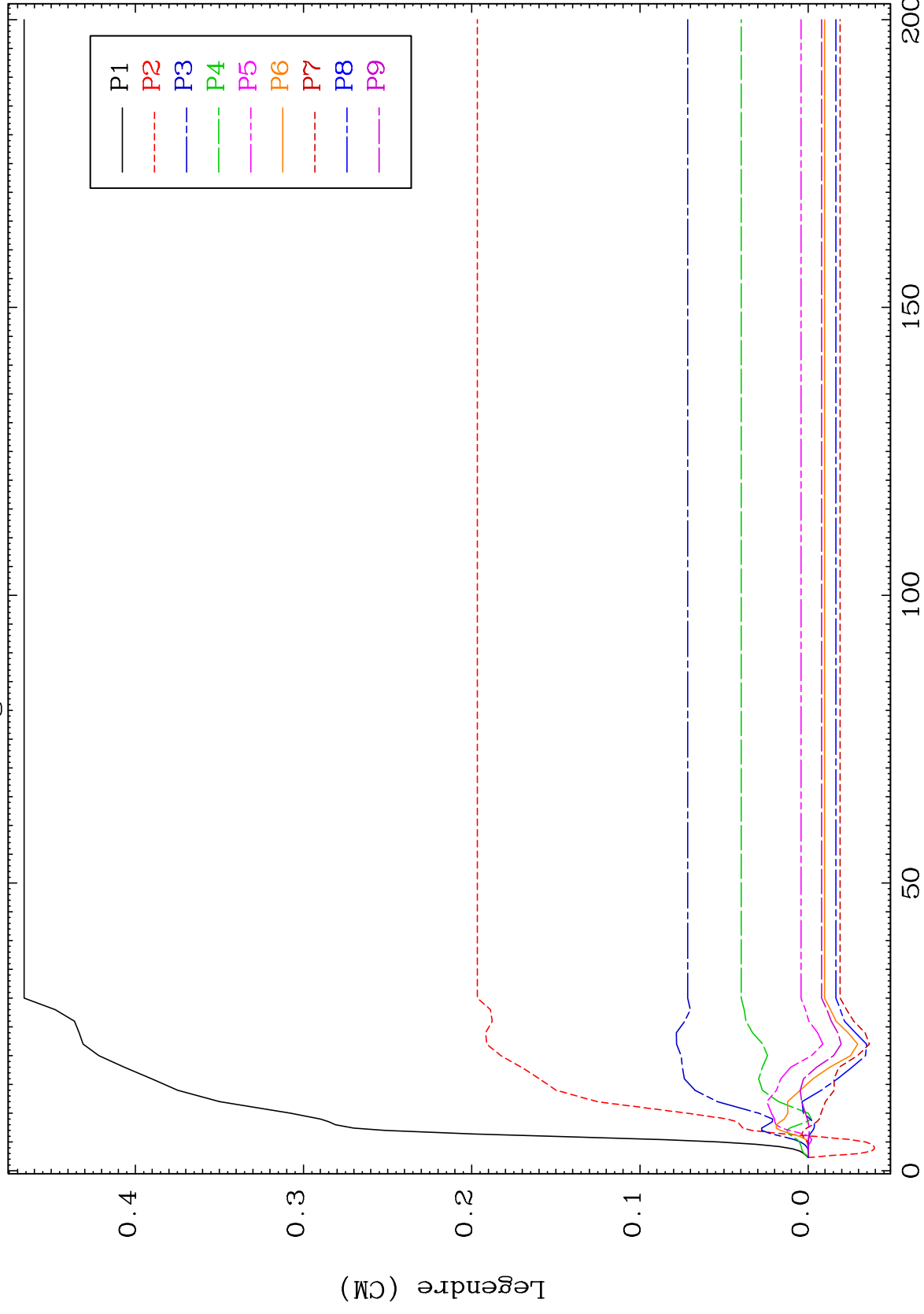
Incident Energy (MeV)

73

MAT 6231

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

62-Sm-146



74

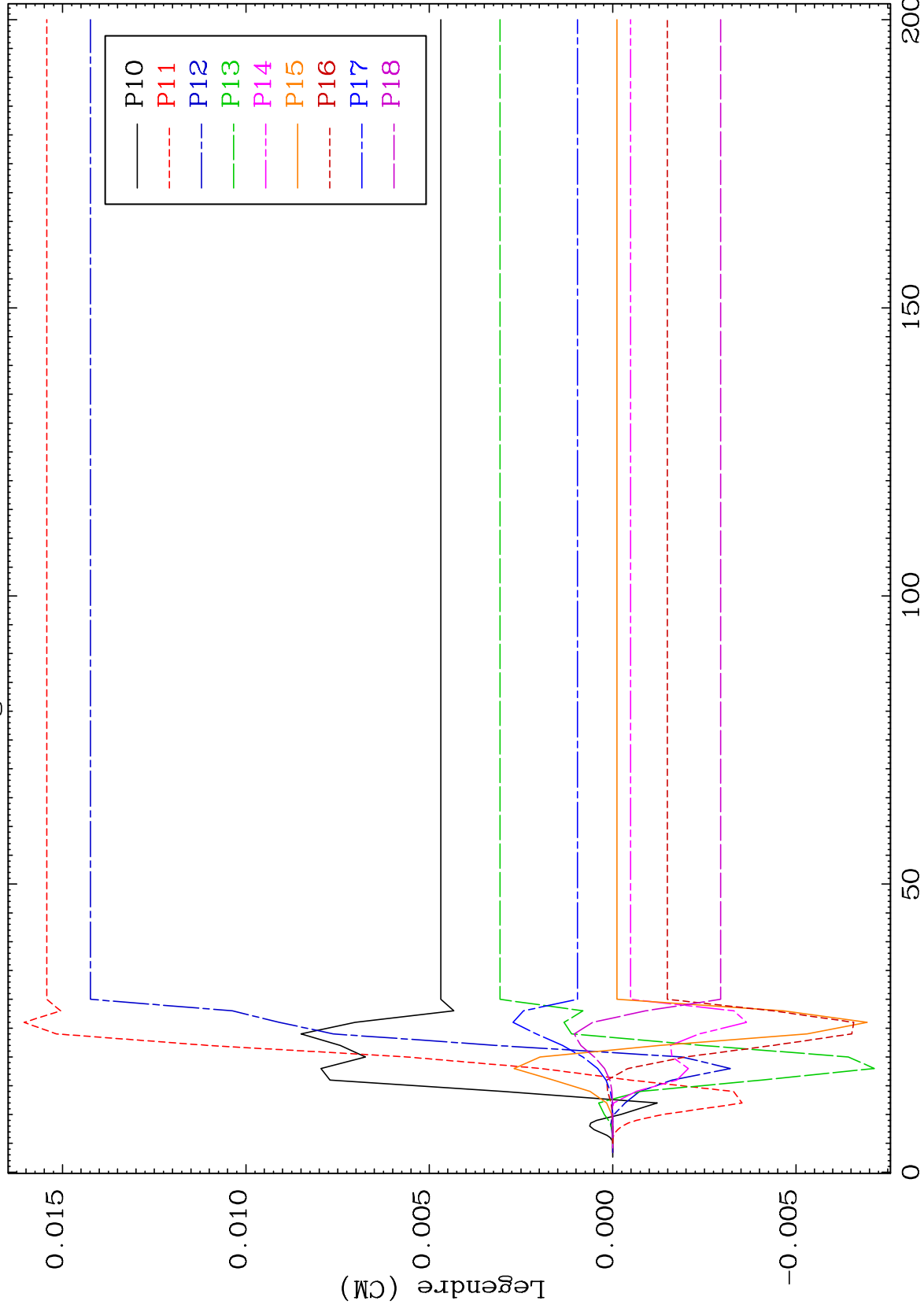
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

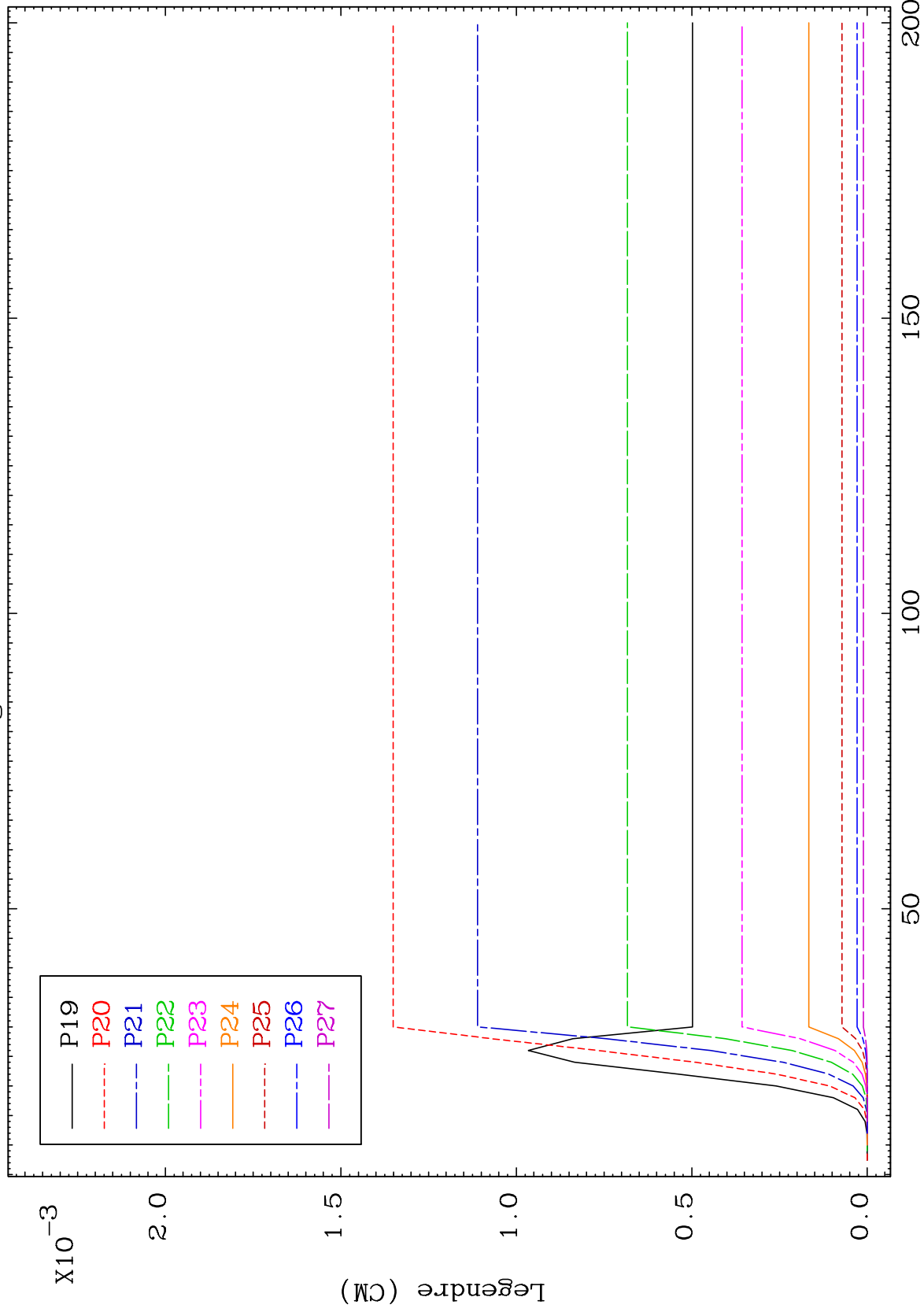
62-Sm-146



75

Incident Energy (MeV)

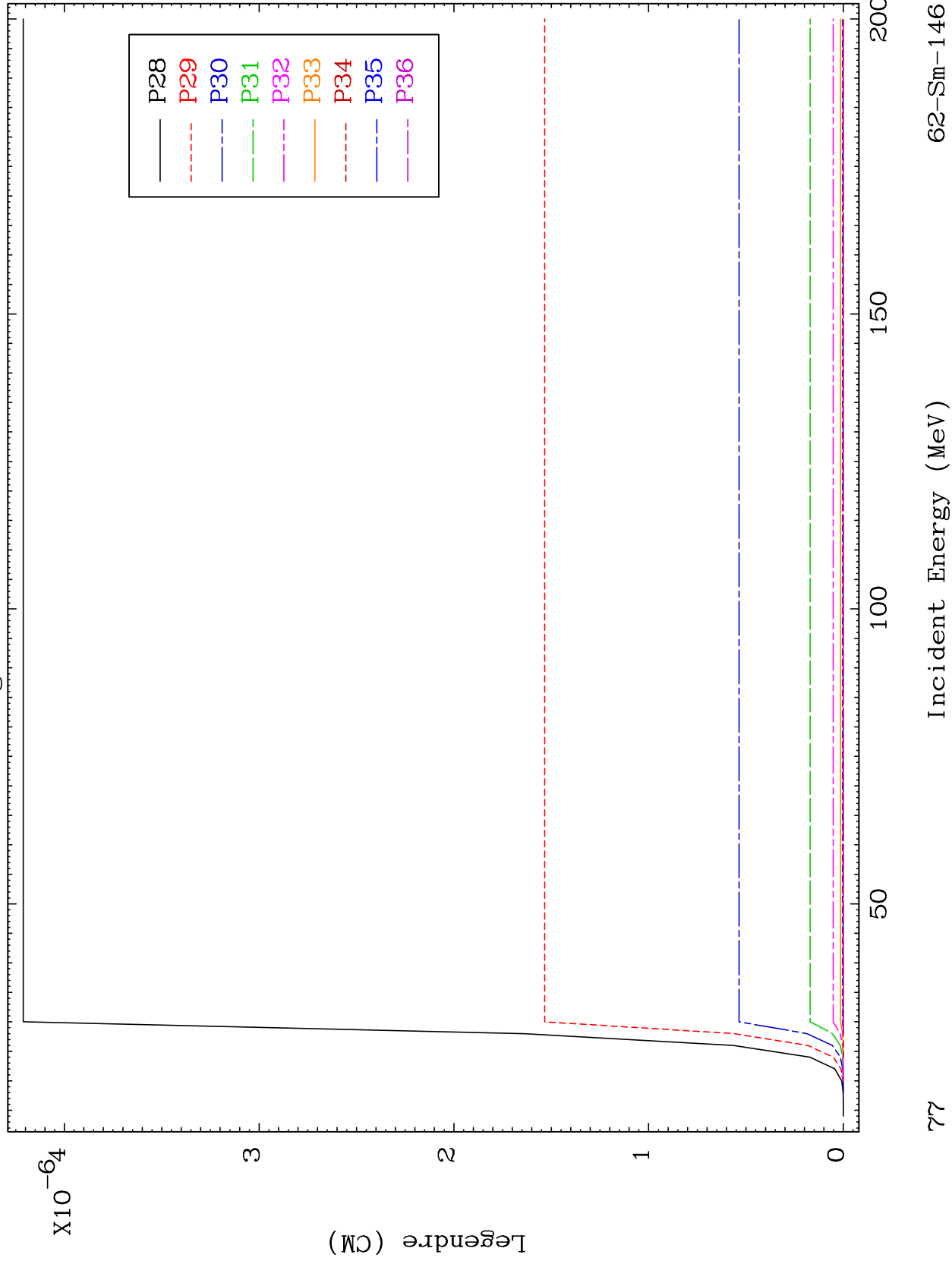
62-Sm-146



MAT 6231

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

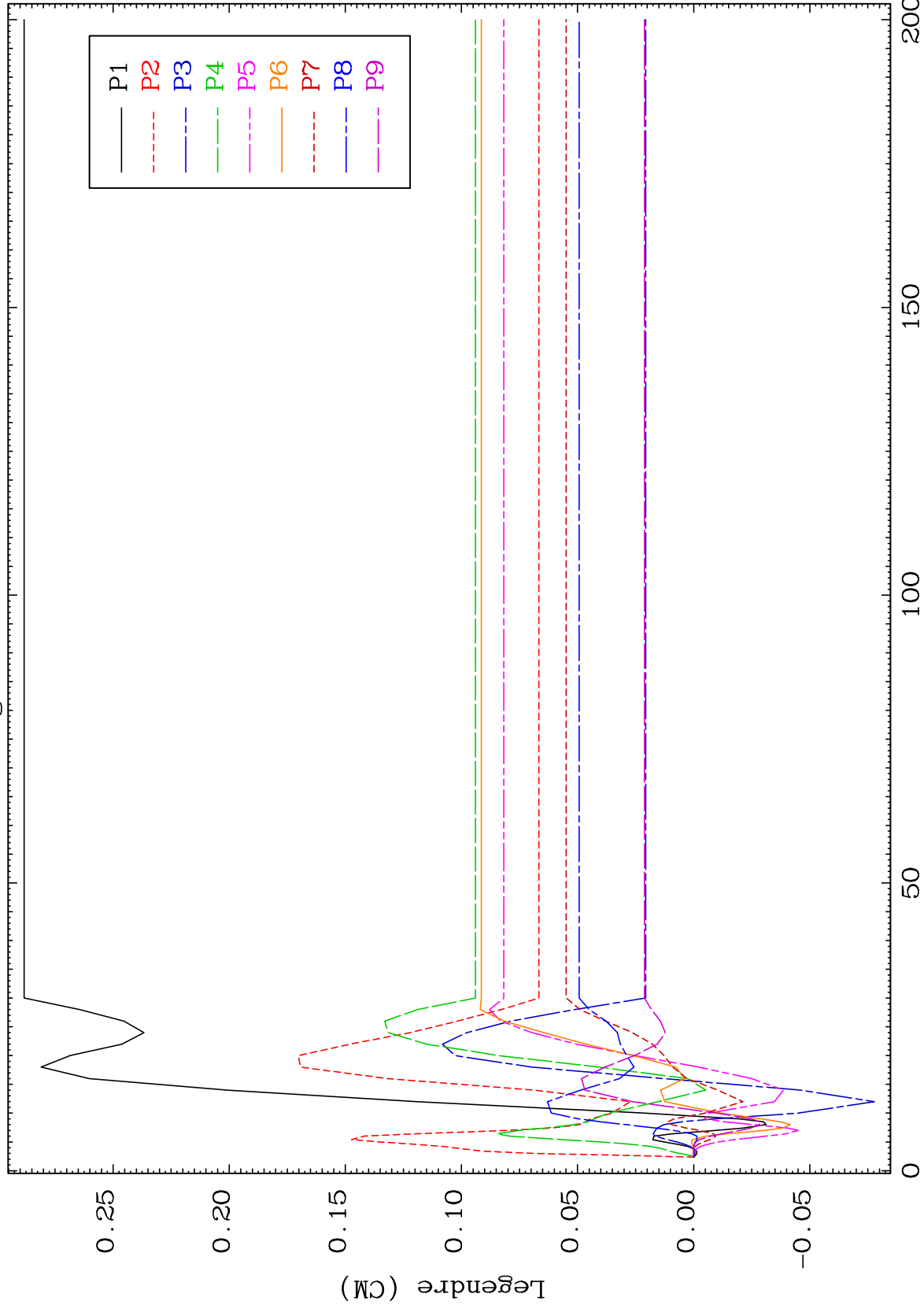
62-Sm-146



MAT 6231

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

62-Sm-146



78

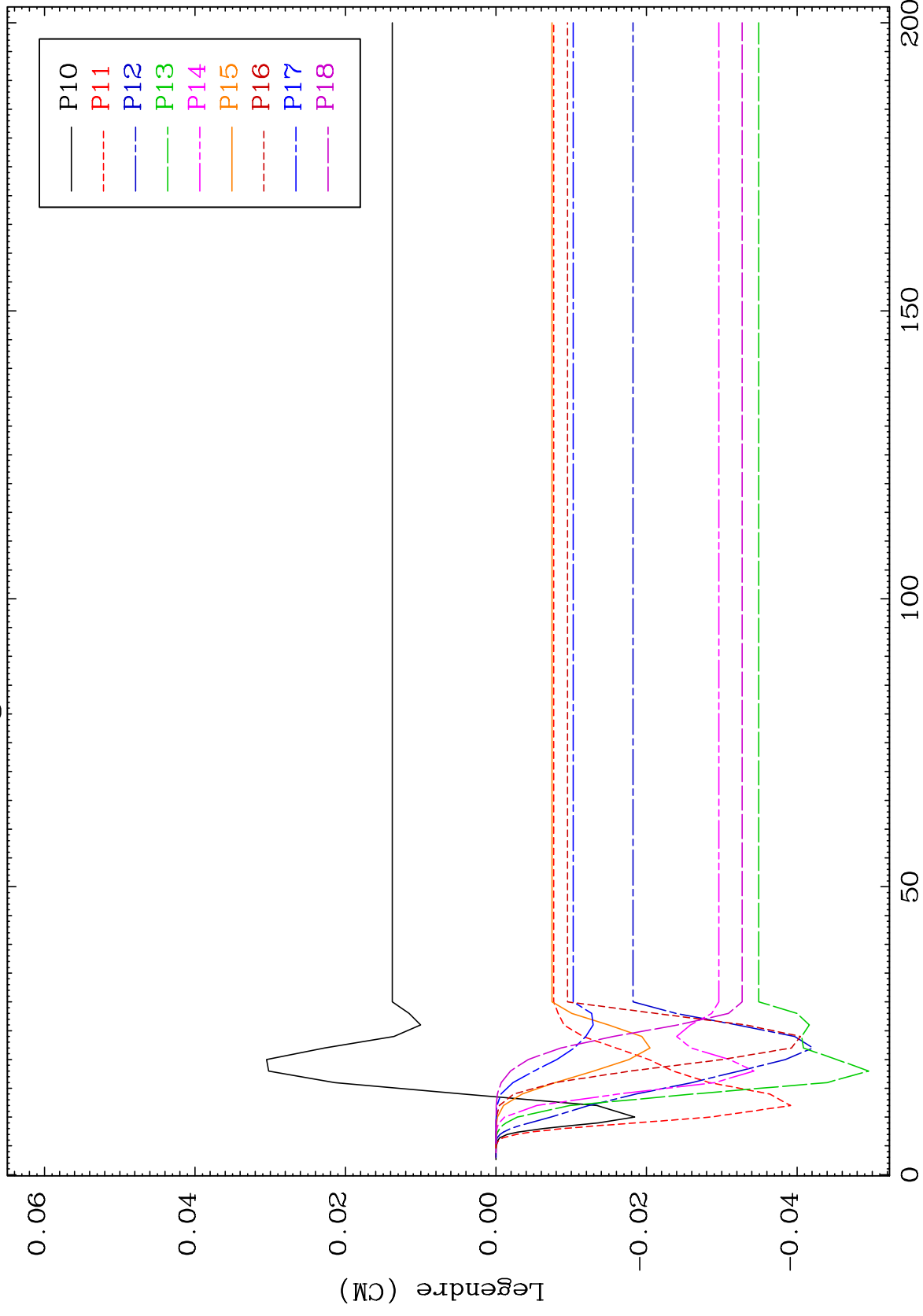
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



79

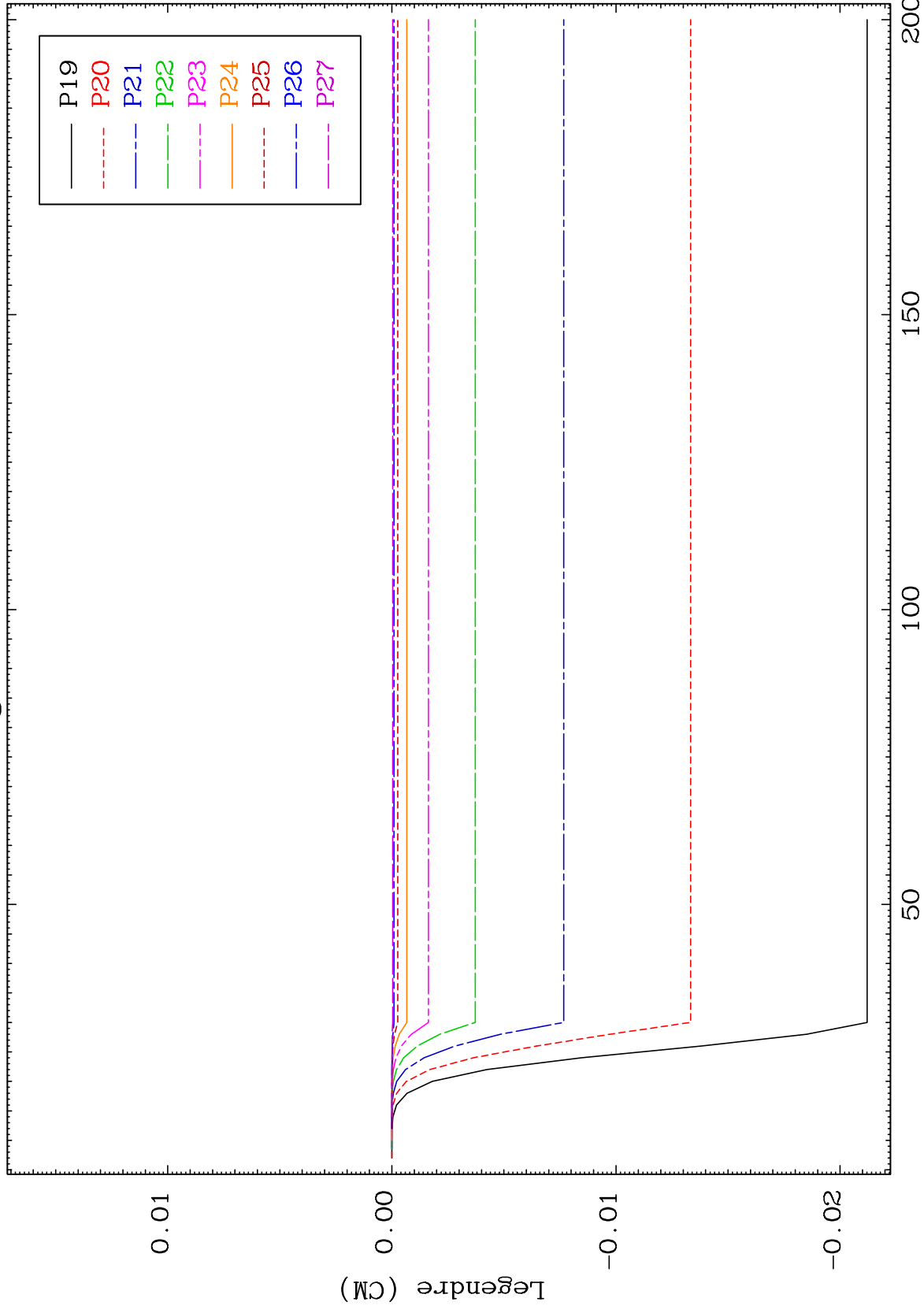
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



80

Incident Energy (MeV)

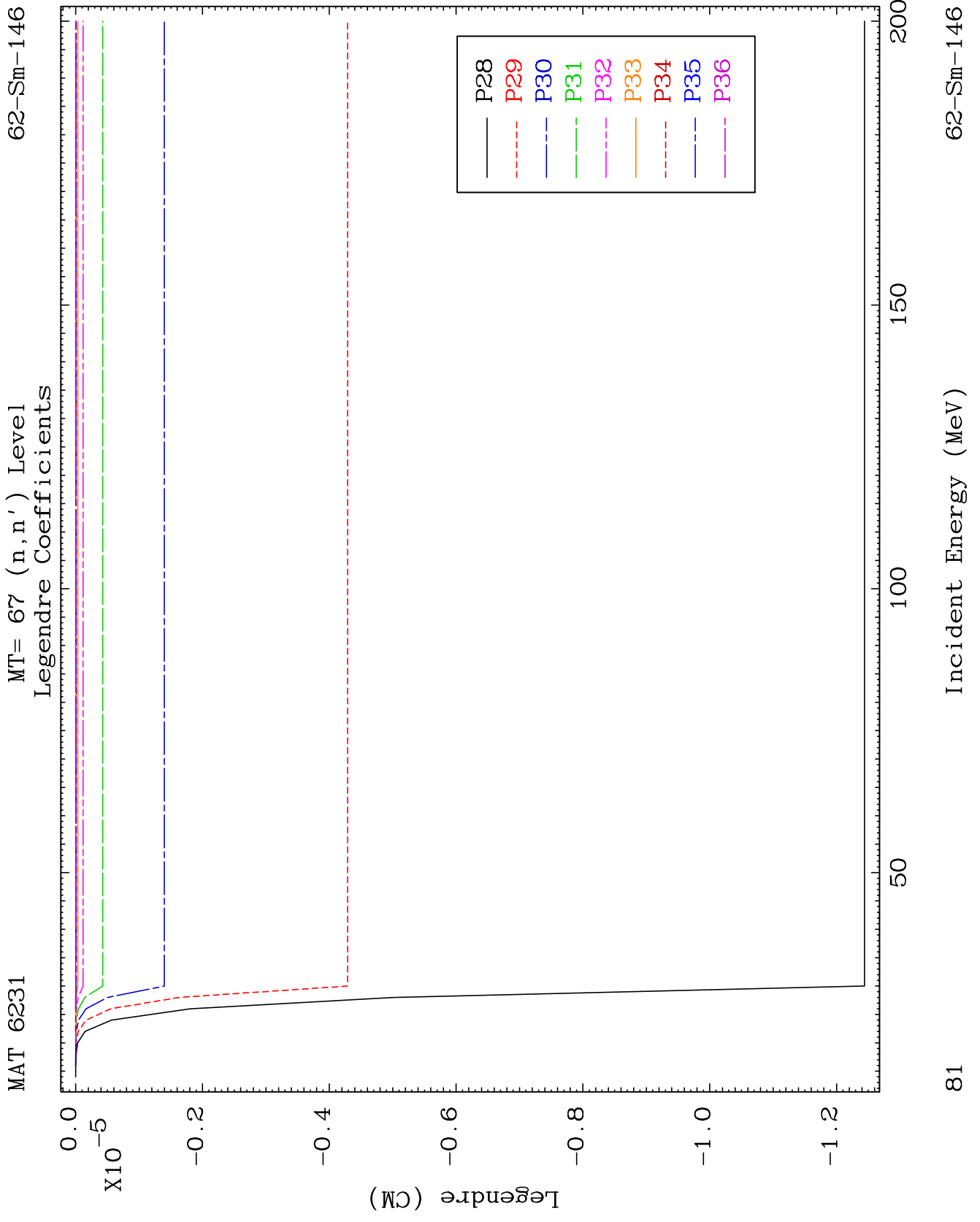
50

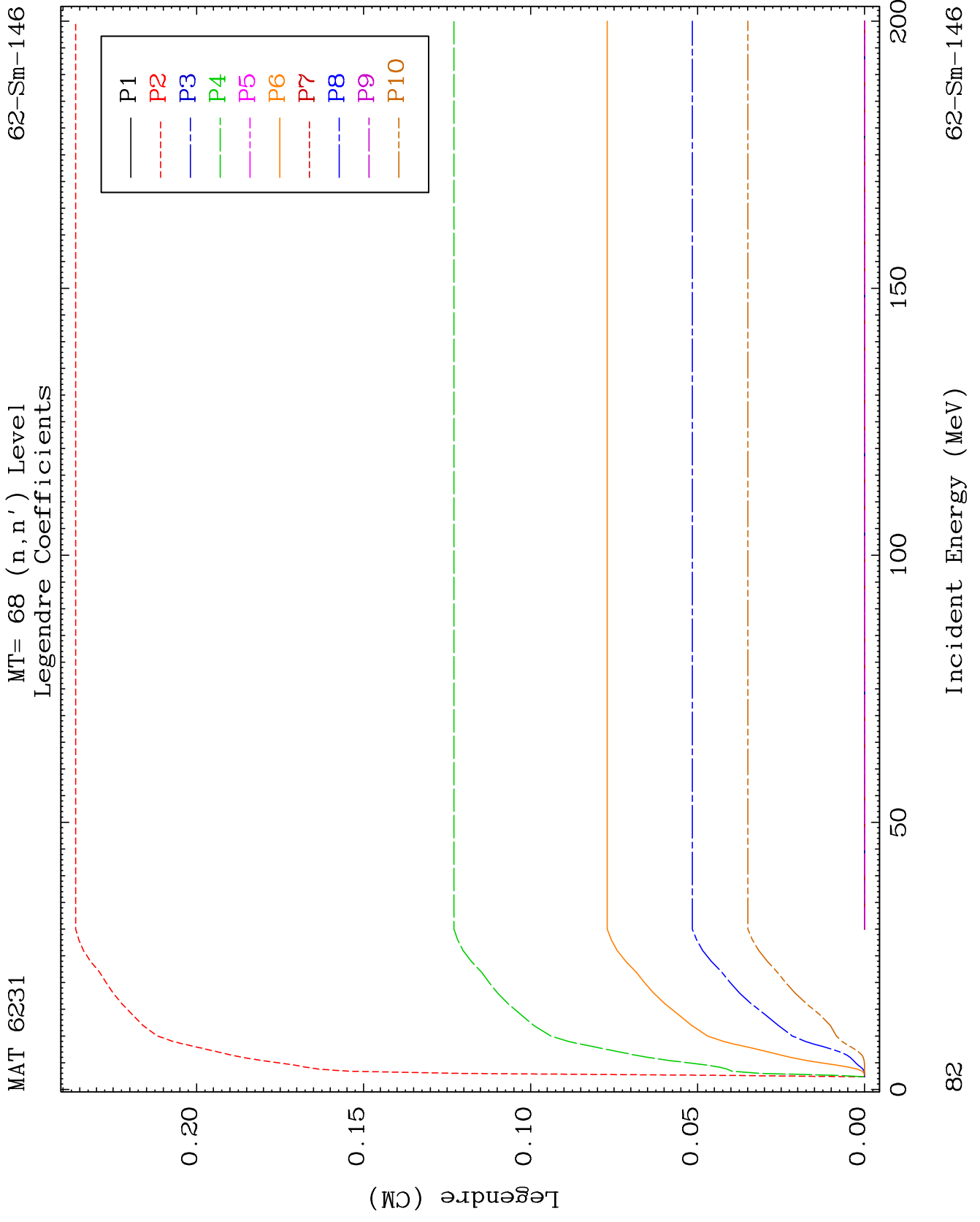
100

150

200

62-Sm-146

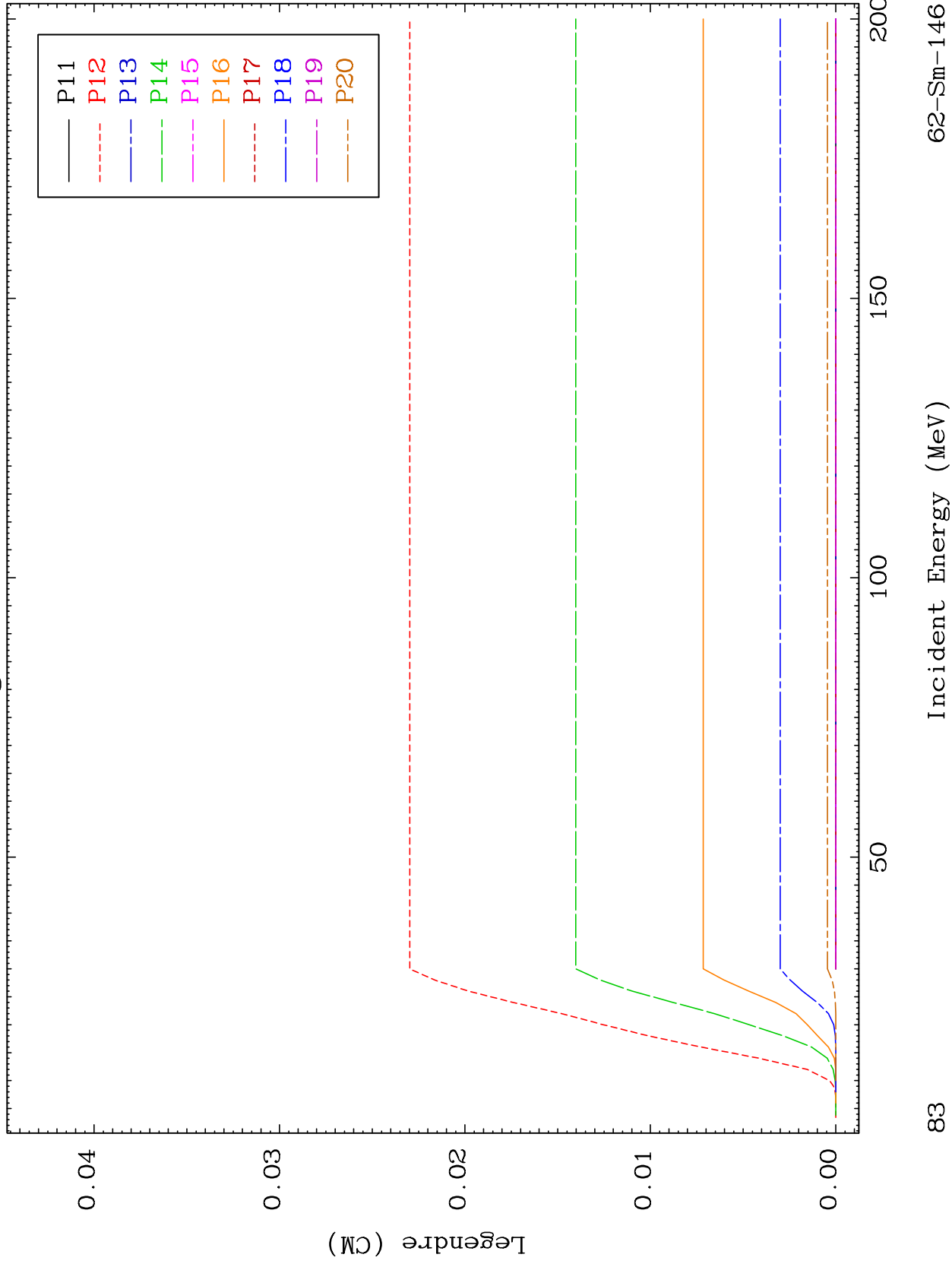




MAT 6231

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

62-Sm-146



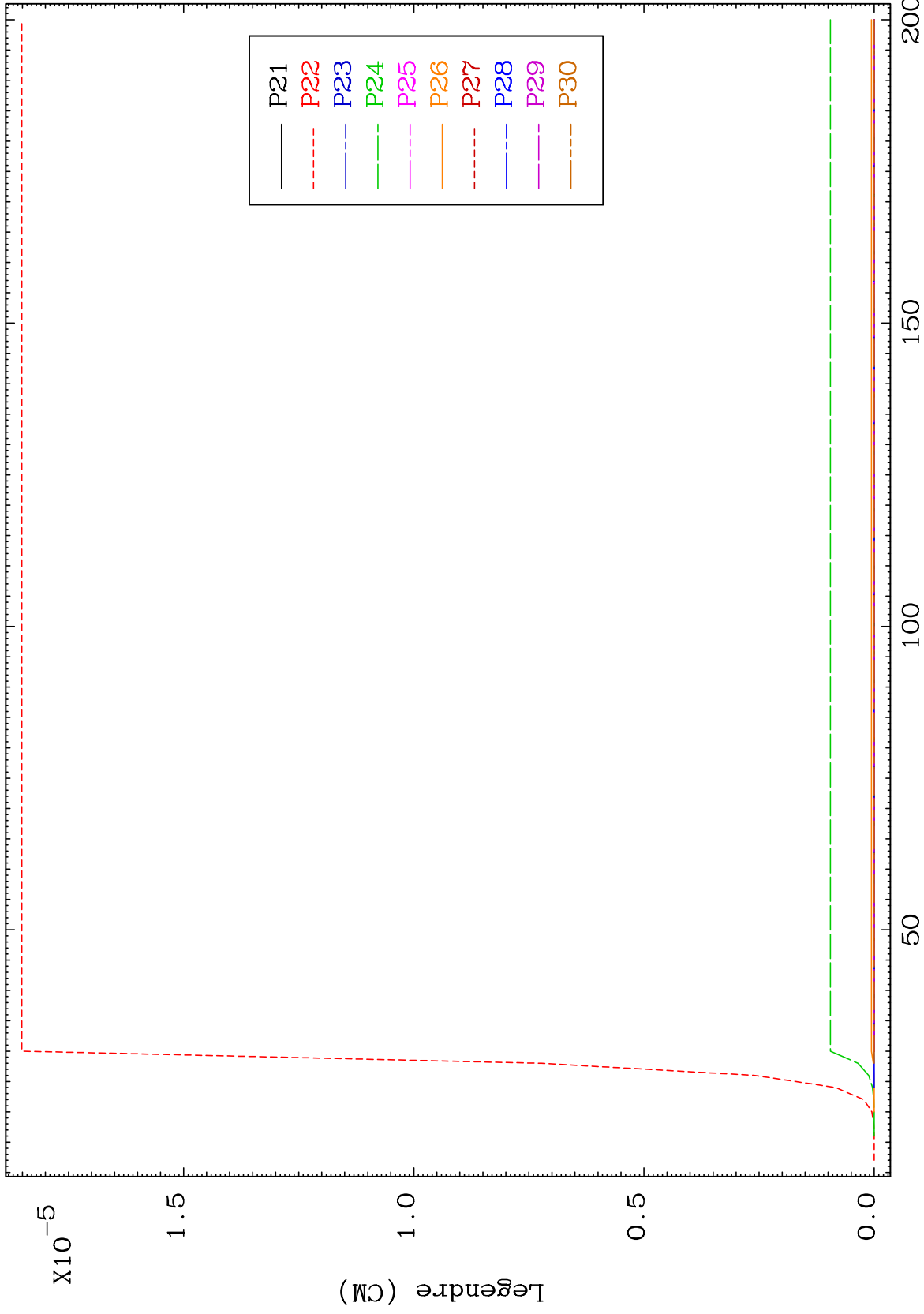
83

62-Sm-146

MAT 6231

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

62-Sm-146



84

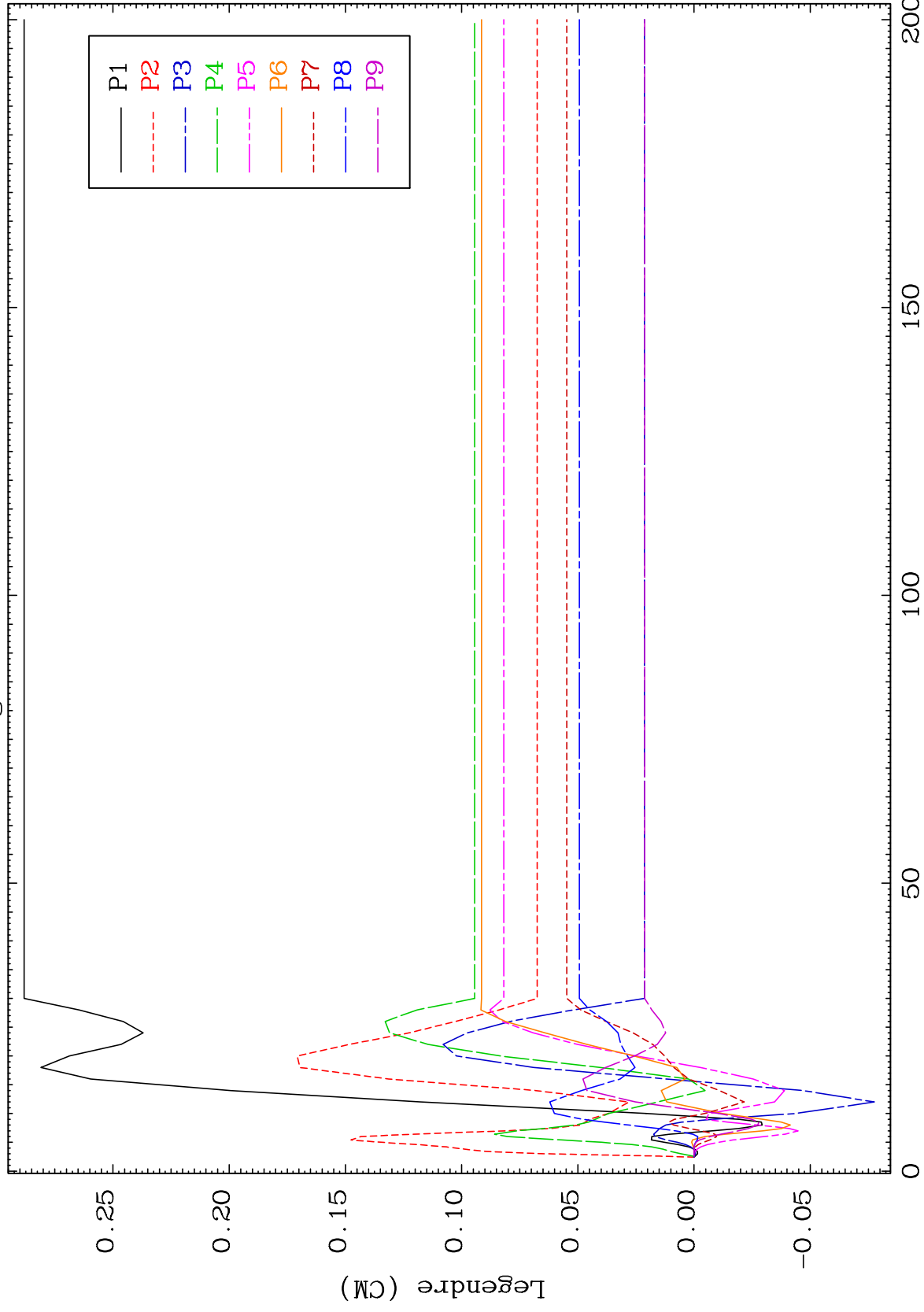
Incident Energy (MeV)

62-Sm-146

MAT 6231

MT= 69 (n,n') Level
Legendre Coefficients

62-Sm-146



85

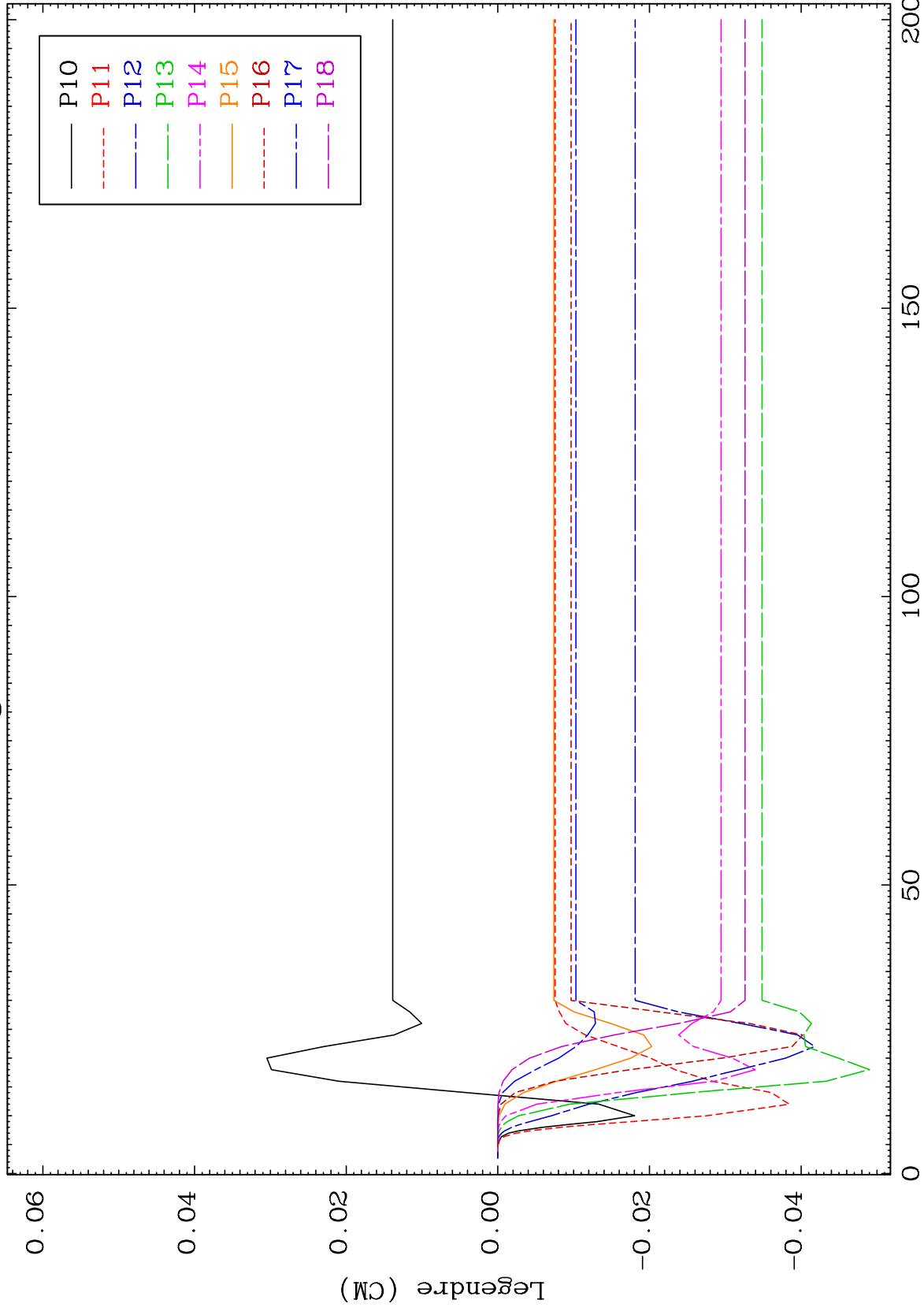
Incident Energy (MeV)

62-Sm-146

MAT 6231

MT= 69 (n,n') Level
Legendre Coefficients

62-Sm-146



86

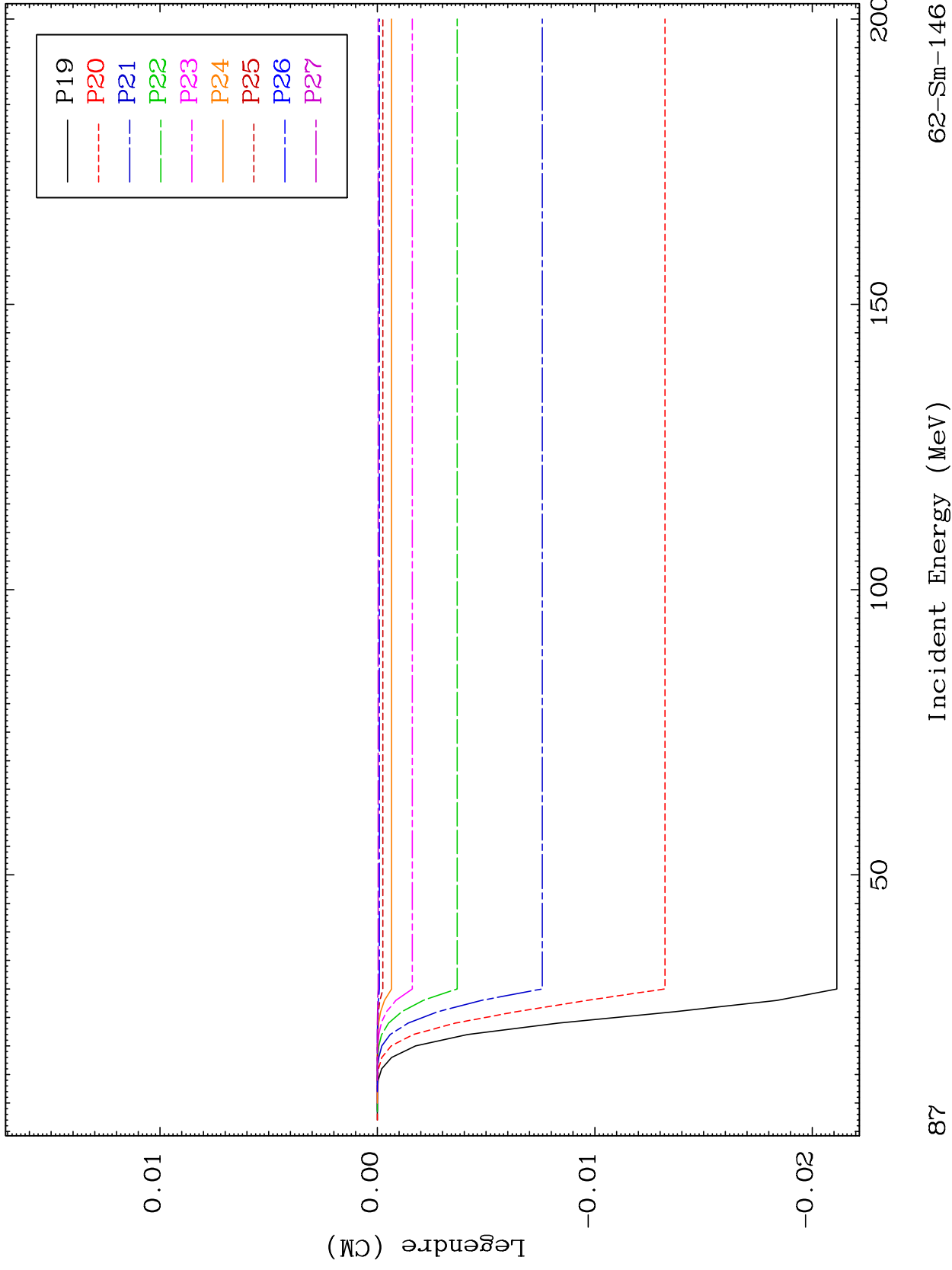
Incident Energy (MeV)

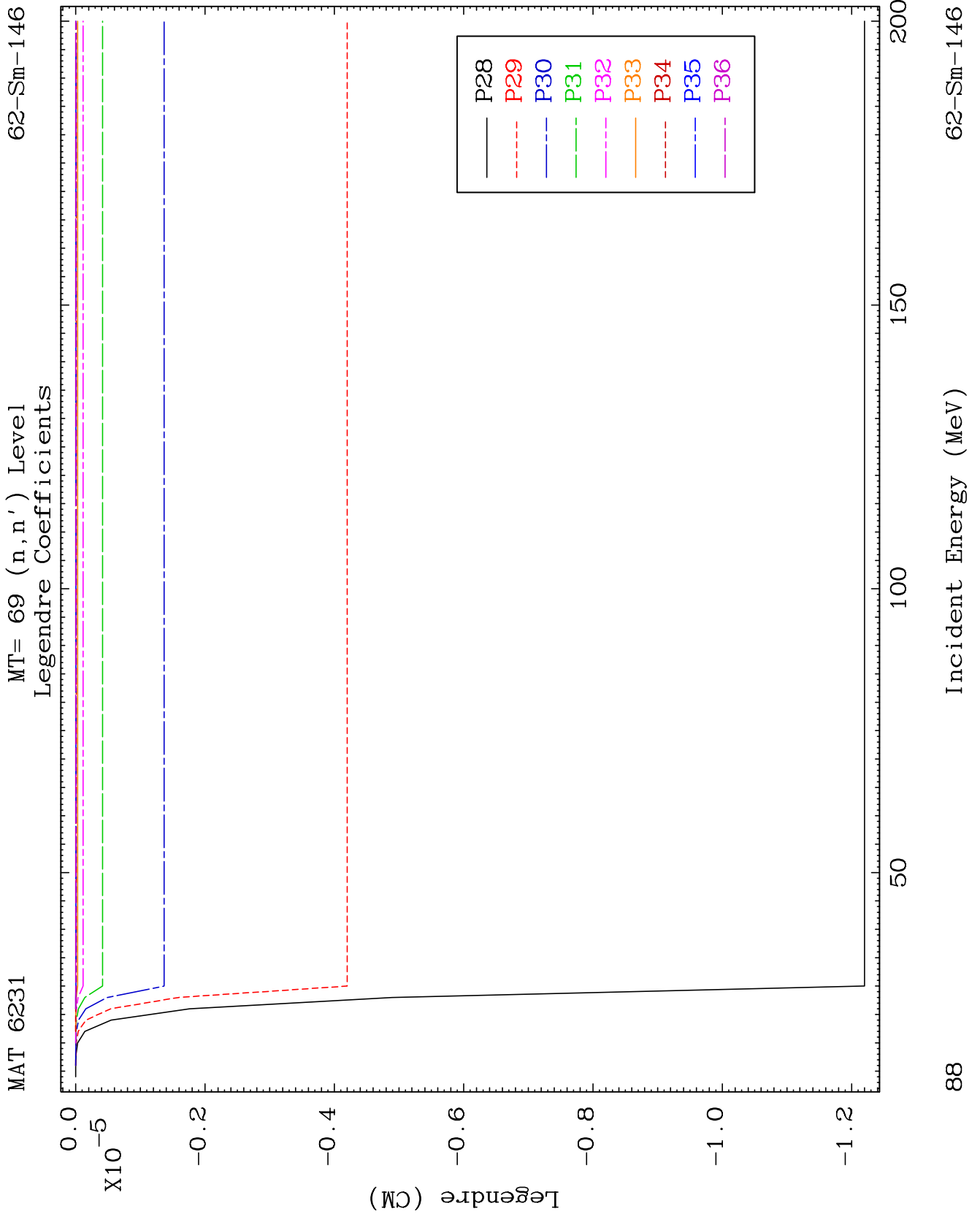
62-Sm-146

MAT 6231

MT= 69 (n,n') Level
Legendre Coefficients

62-Sm-146

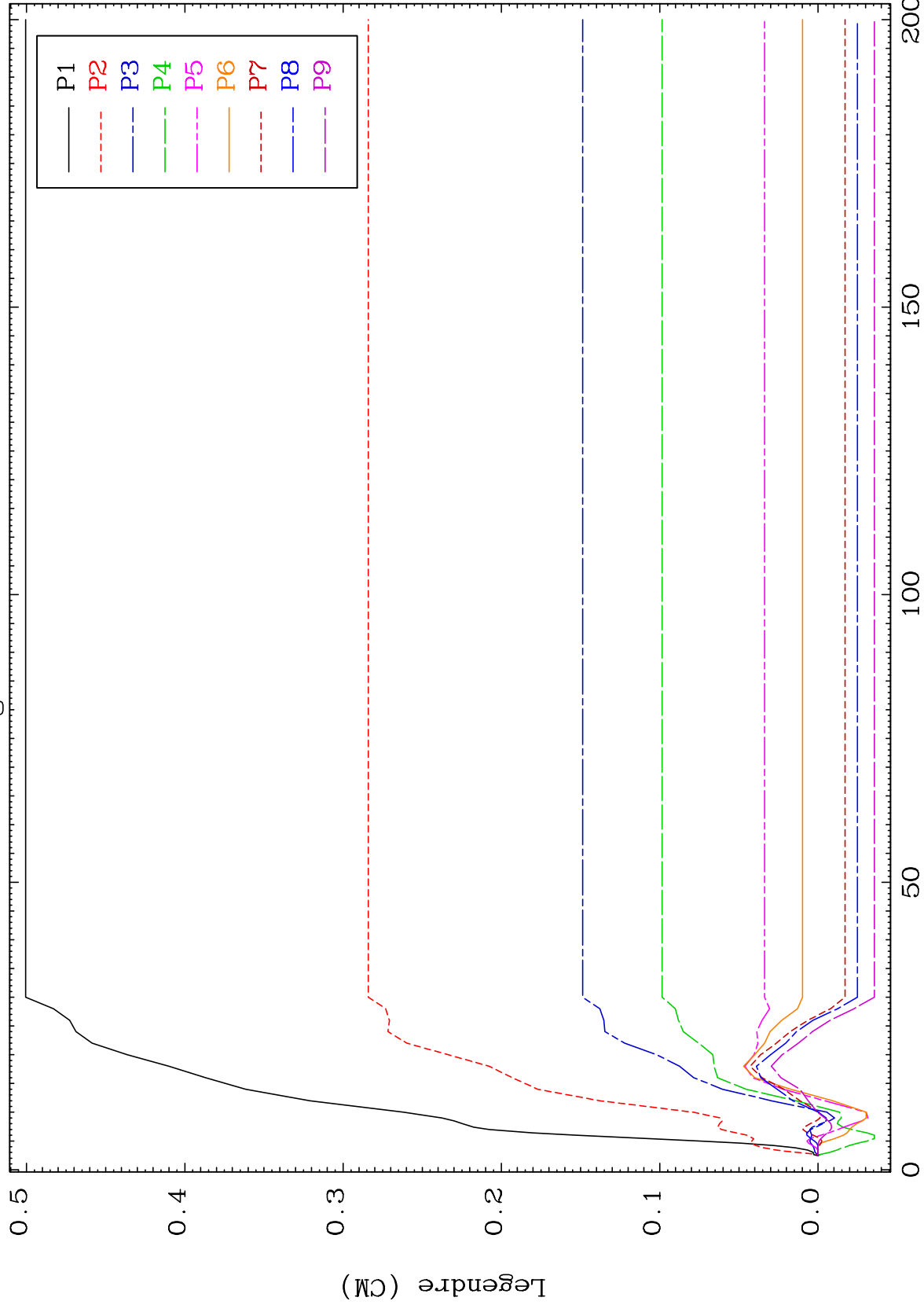




MAT 6231

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

62-Sm-146



89

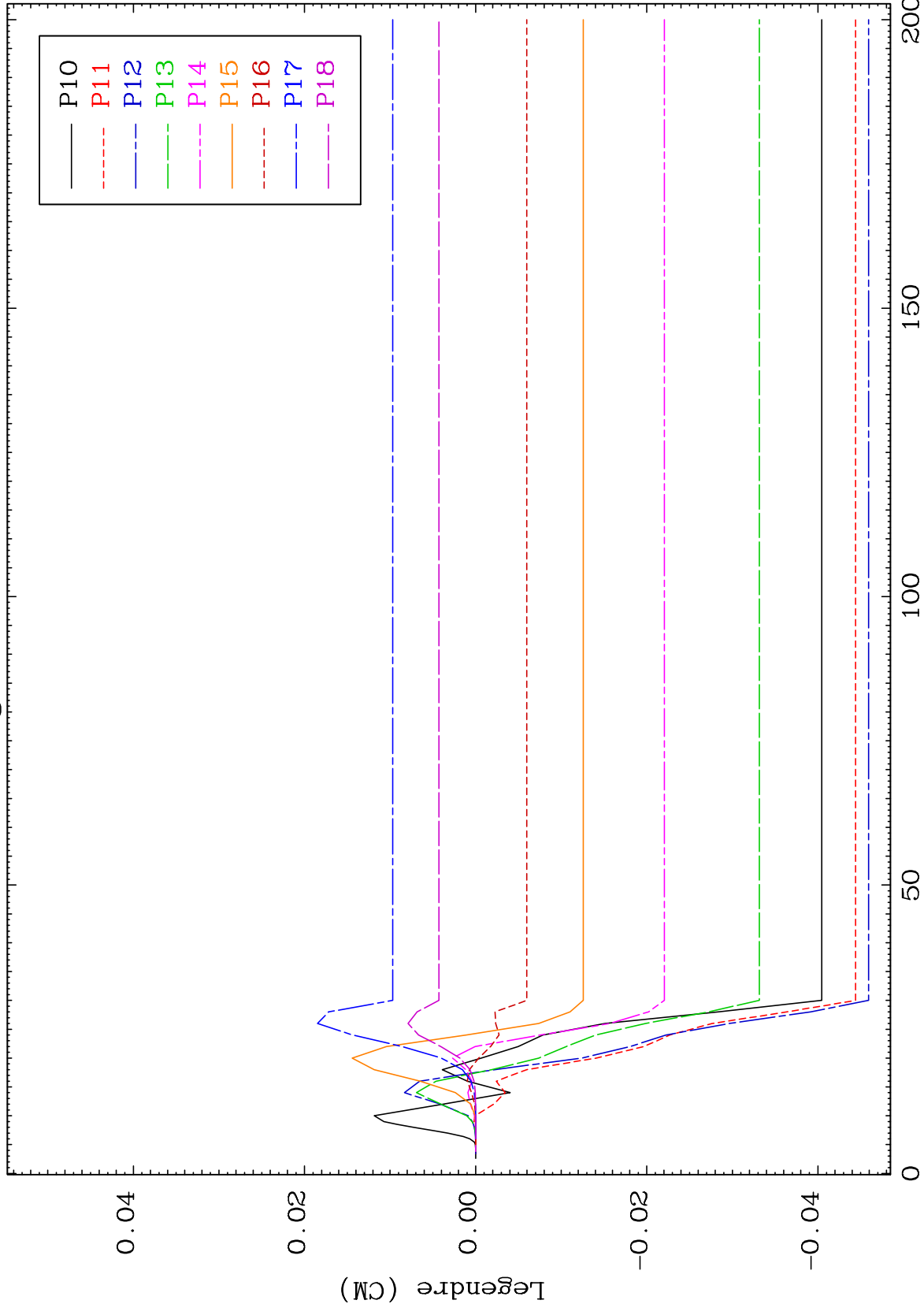
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

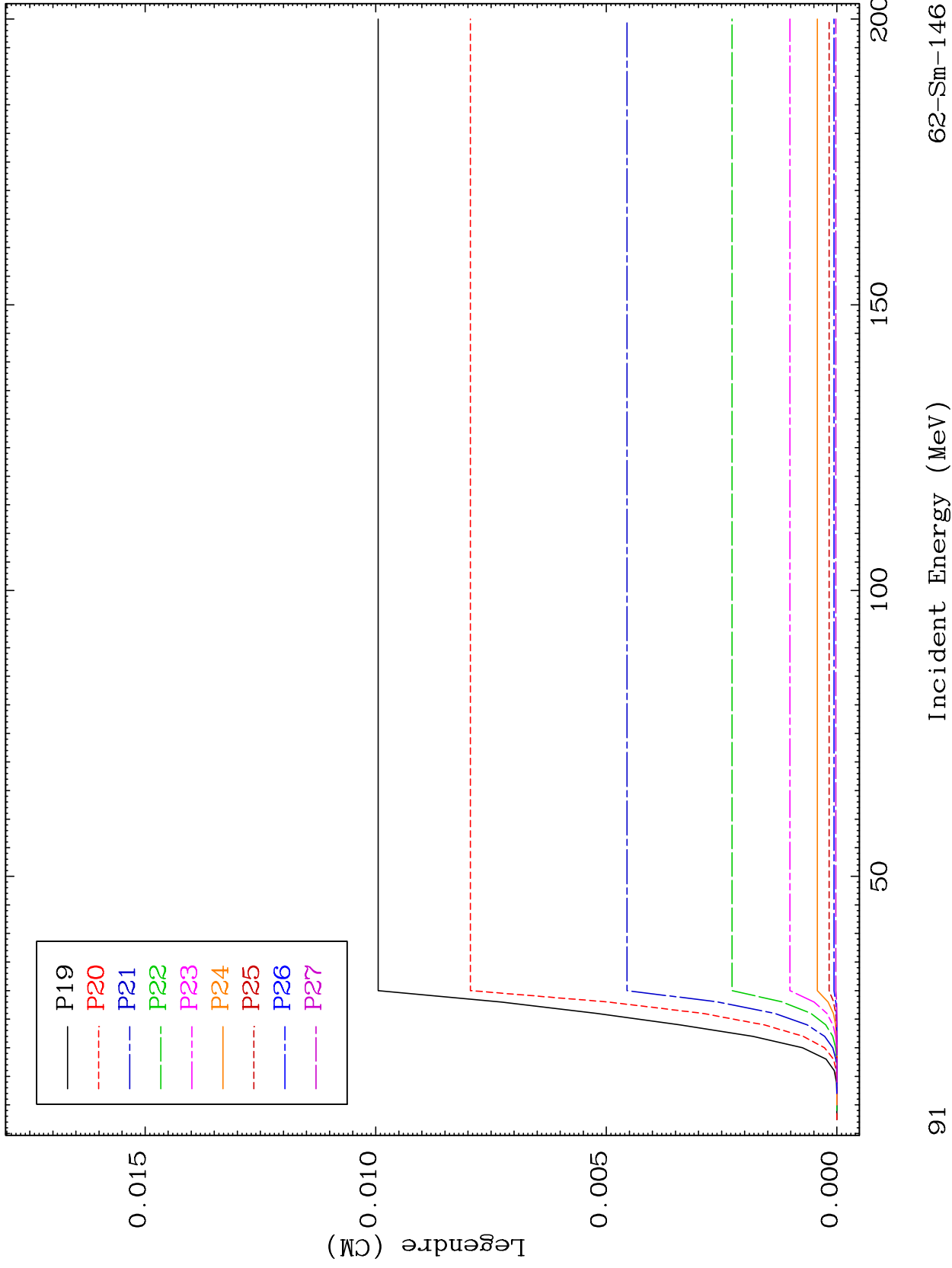
62-Sm-146



90

Incident Energy (MeV)

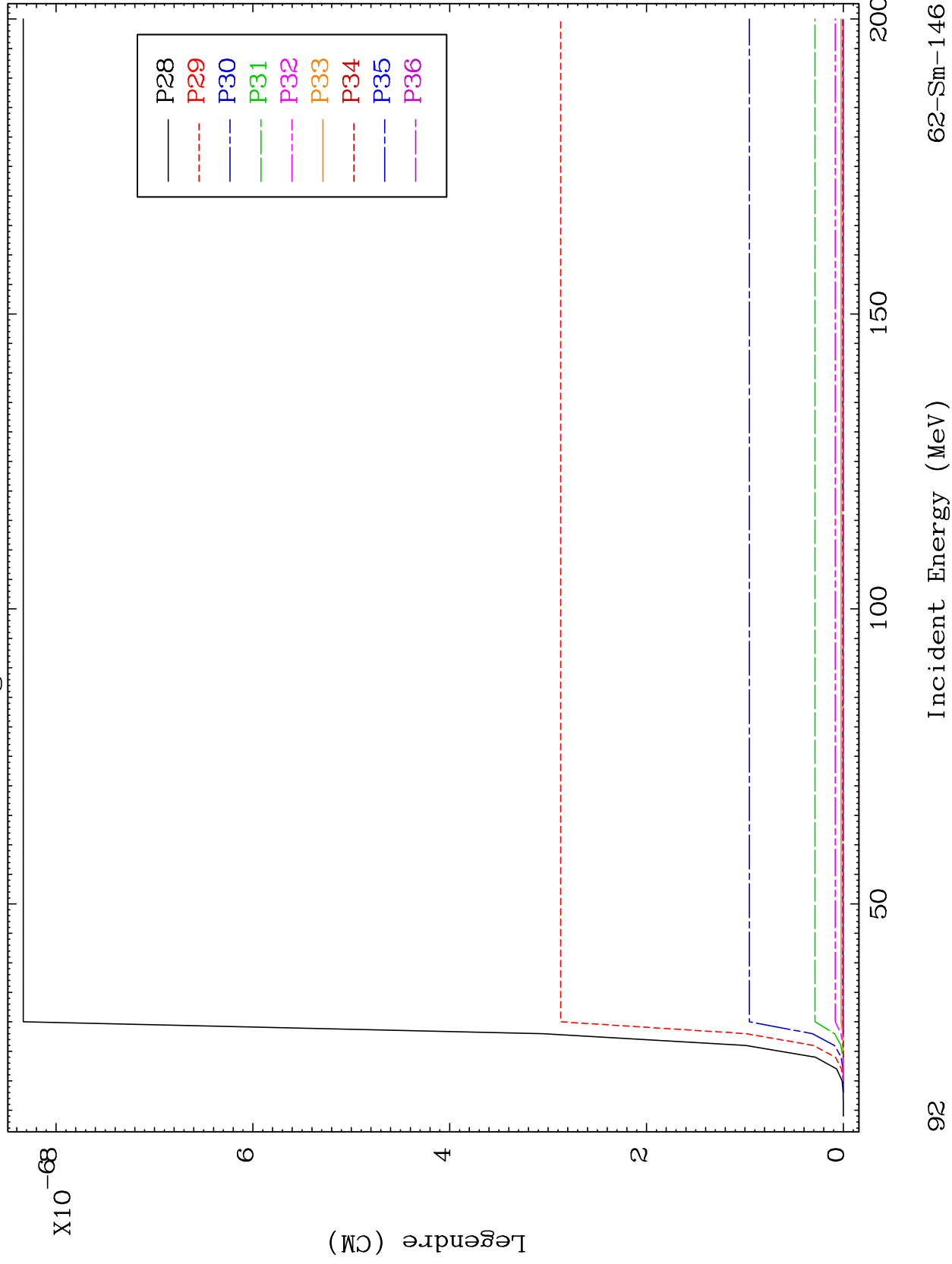
62-Sm-146

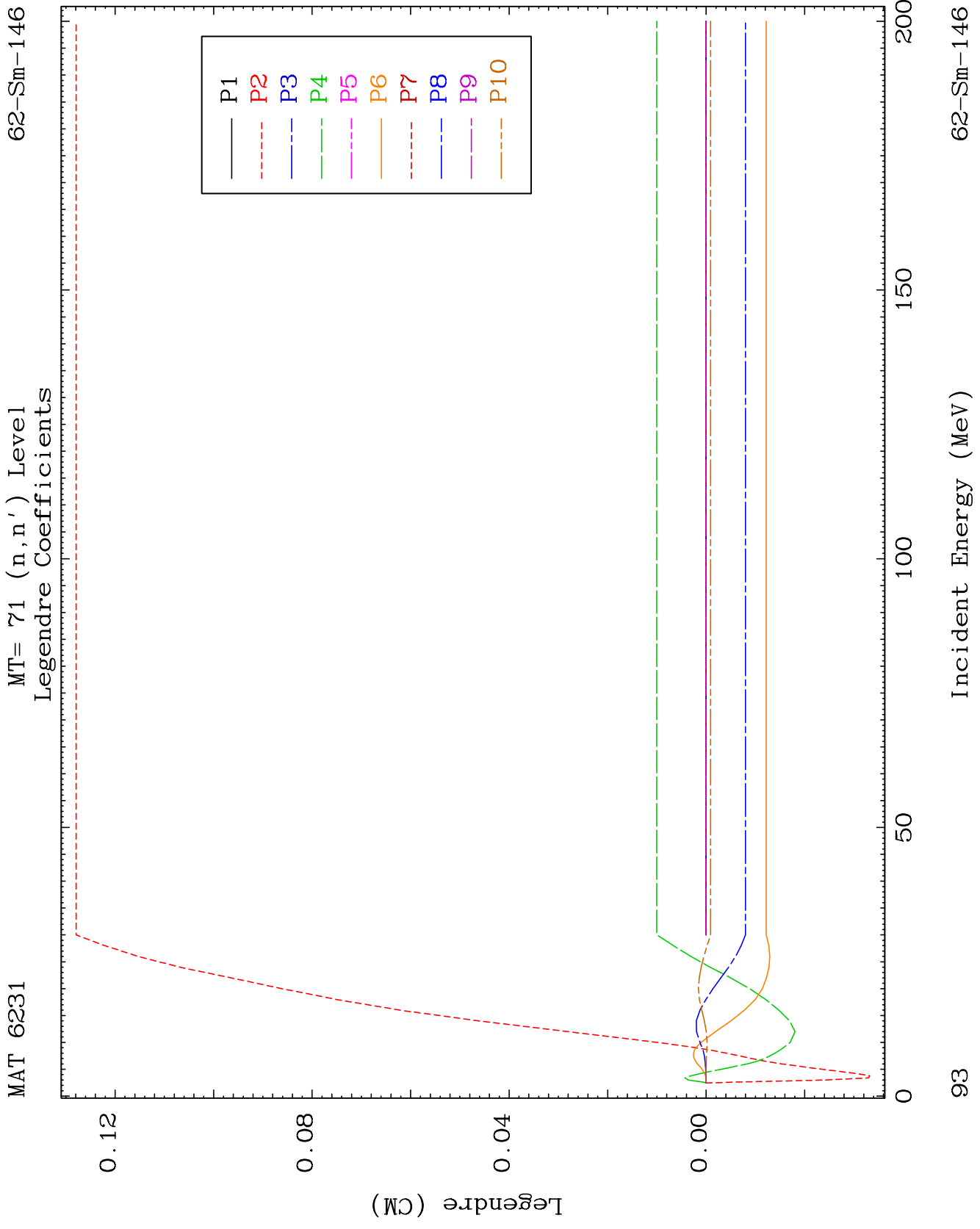


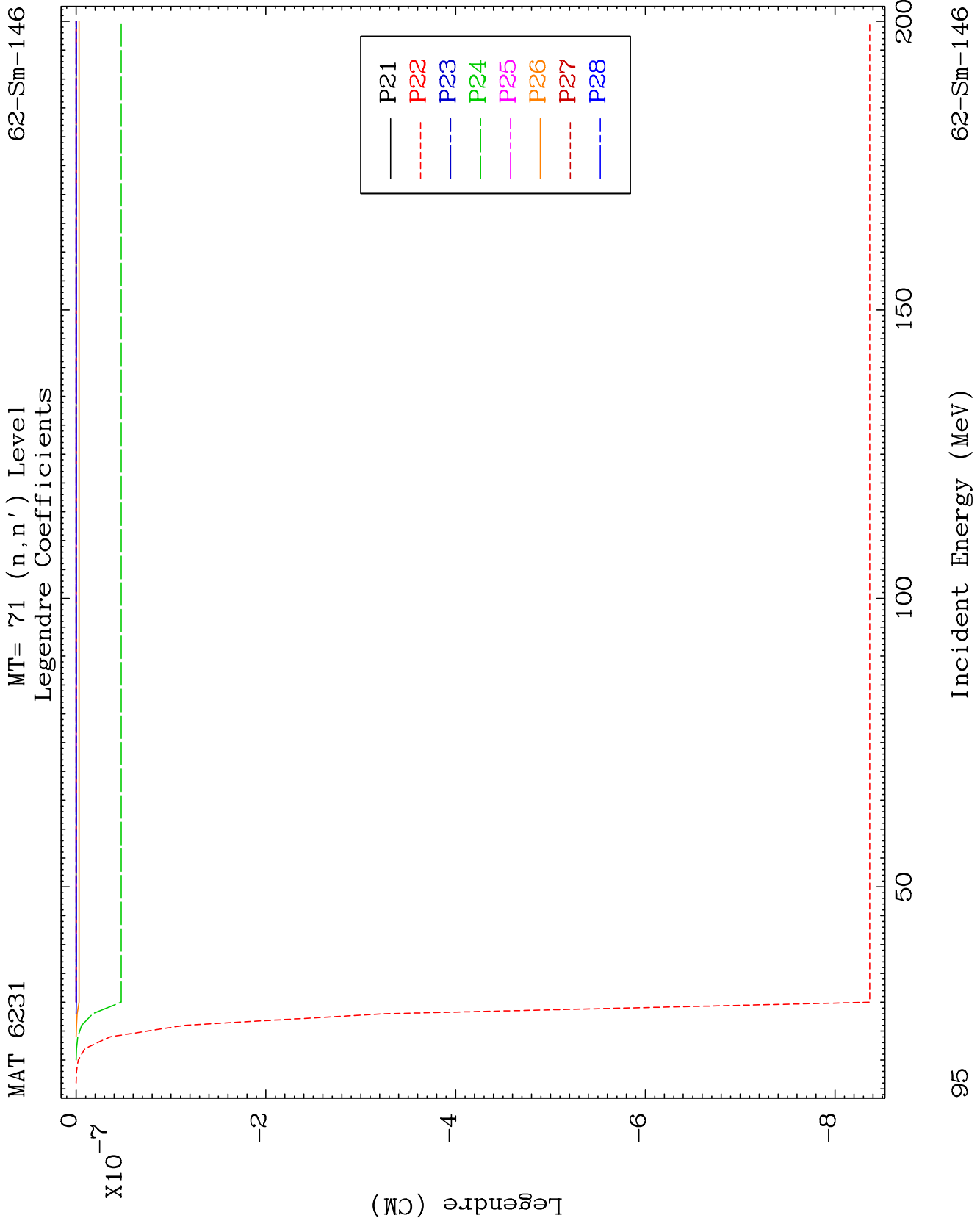
MAT 6231

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

62-Sm-146



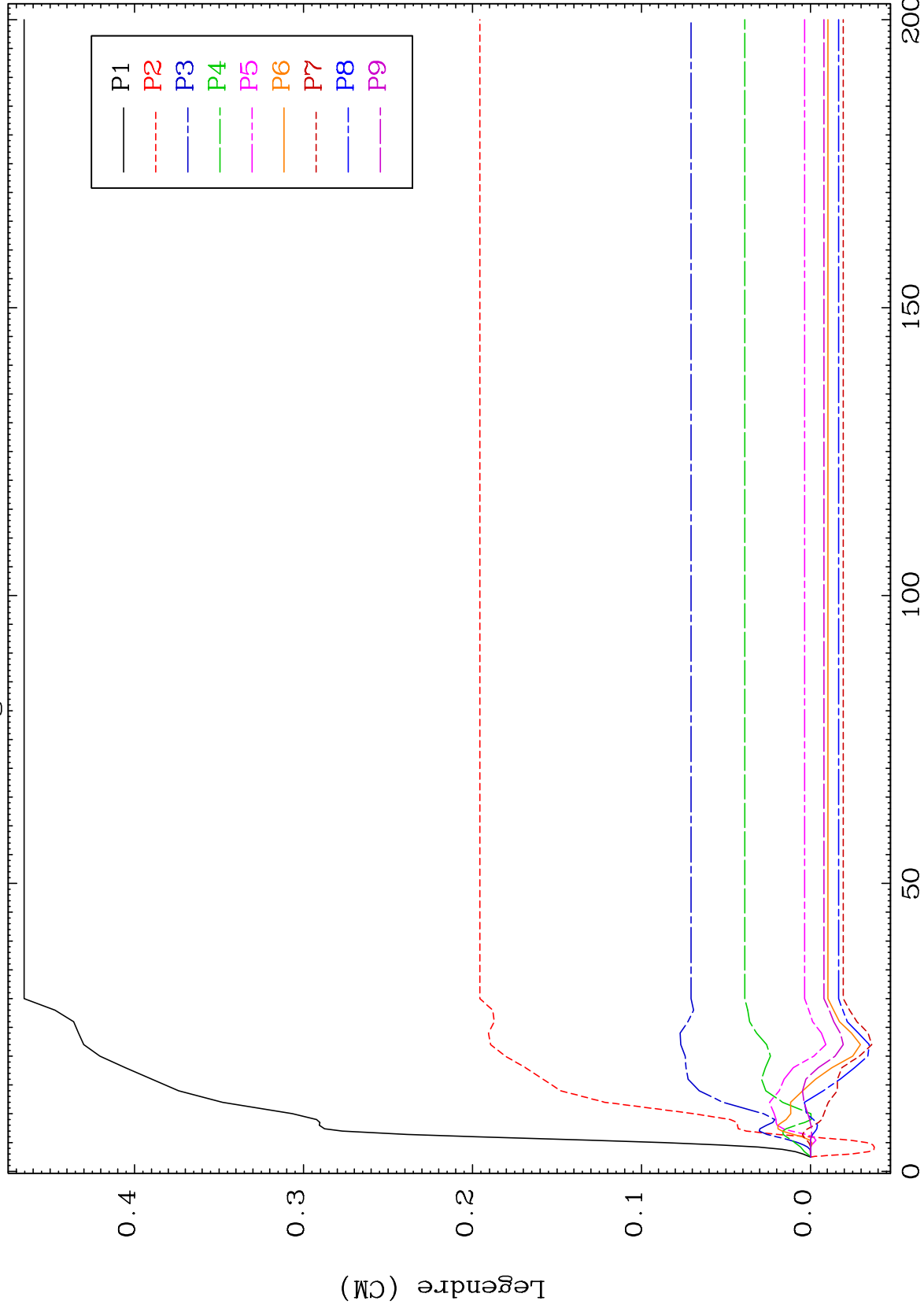




MAT 6231

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

62-Sm-146



96

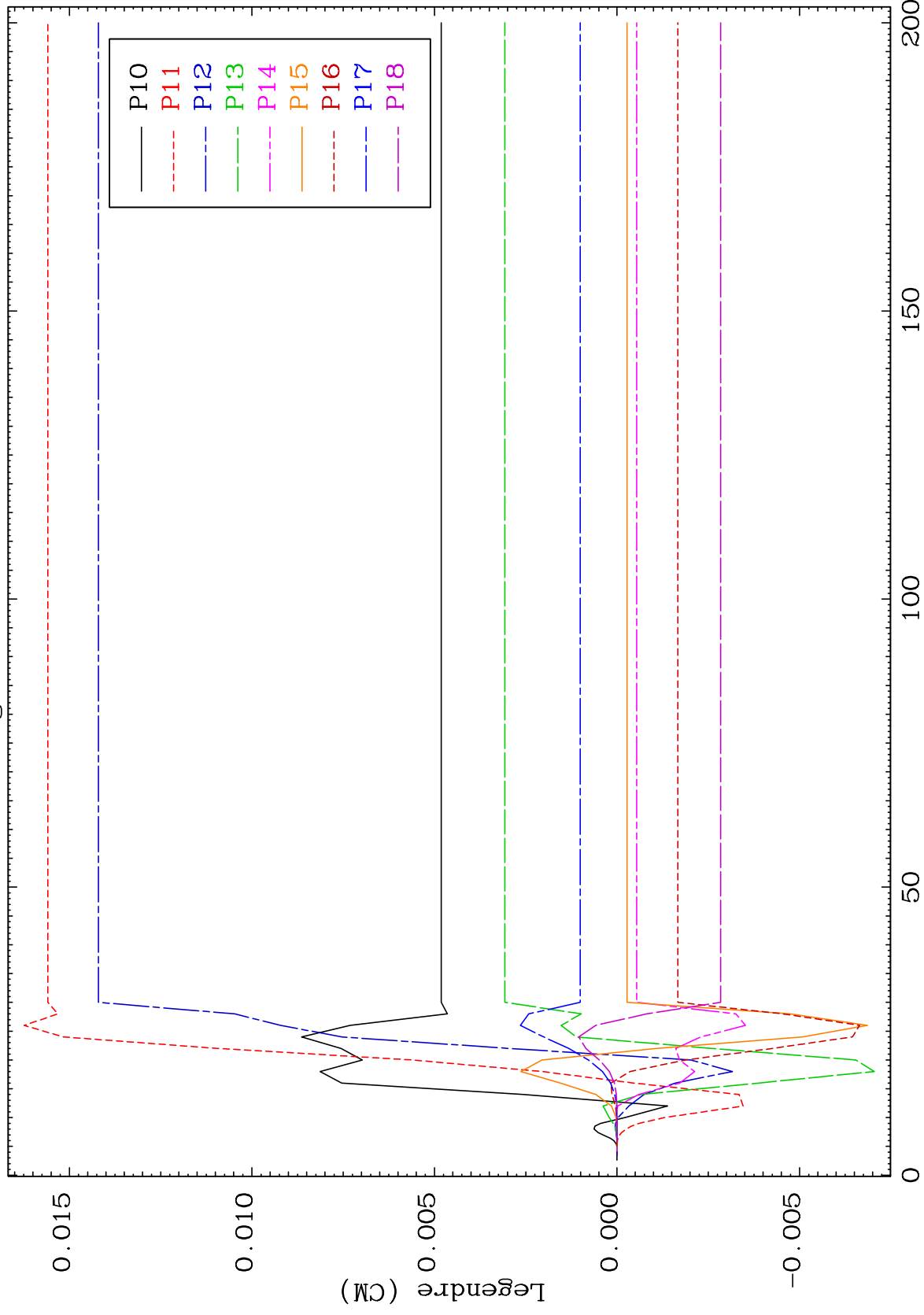
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

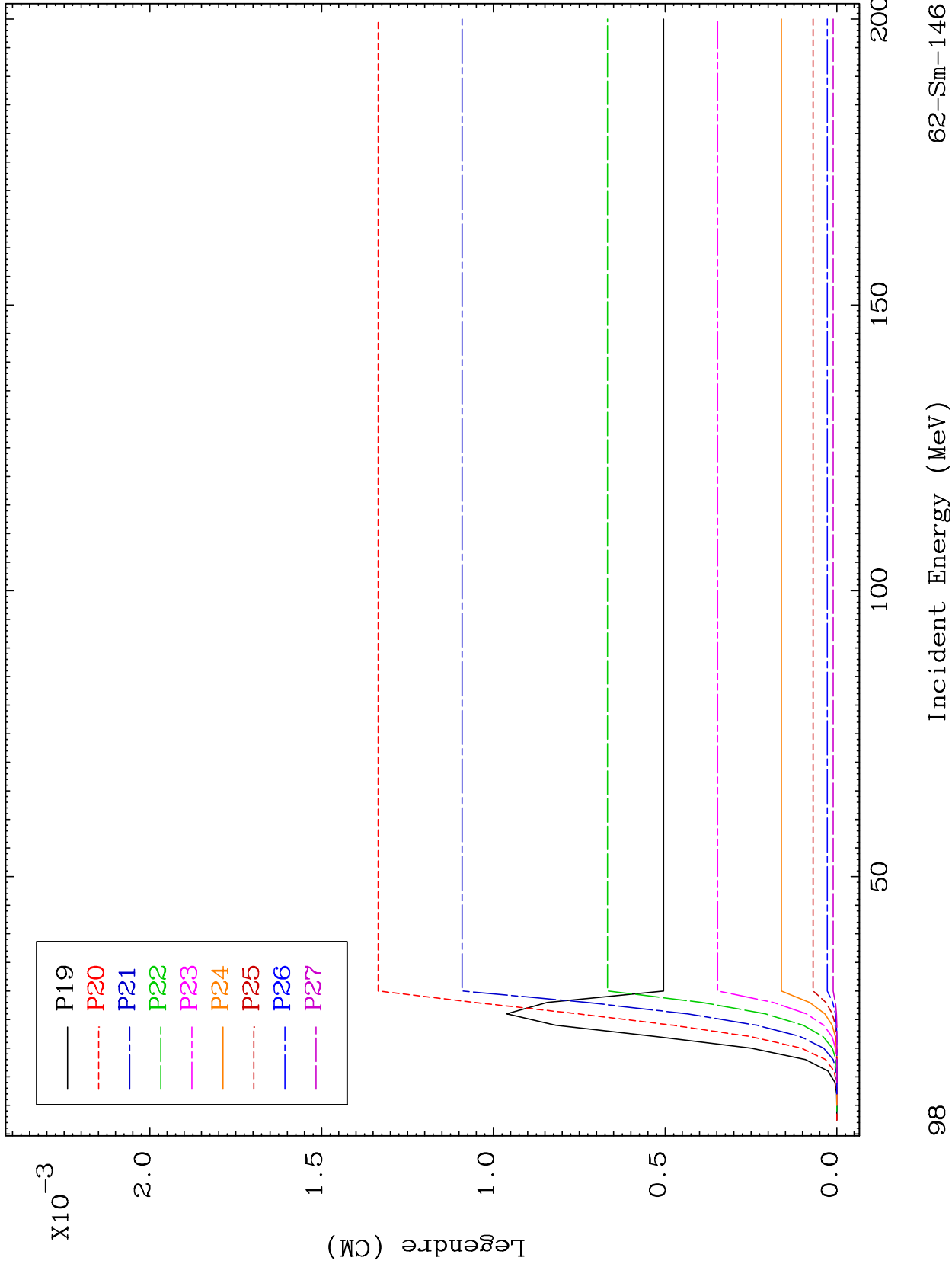
62-Sm-146



97

Incident Energy (MeV)

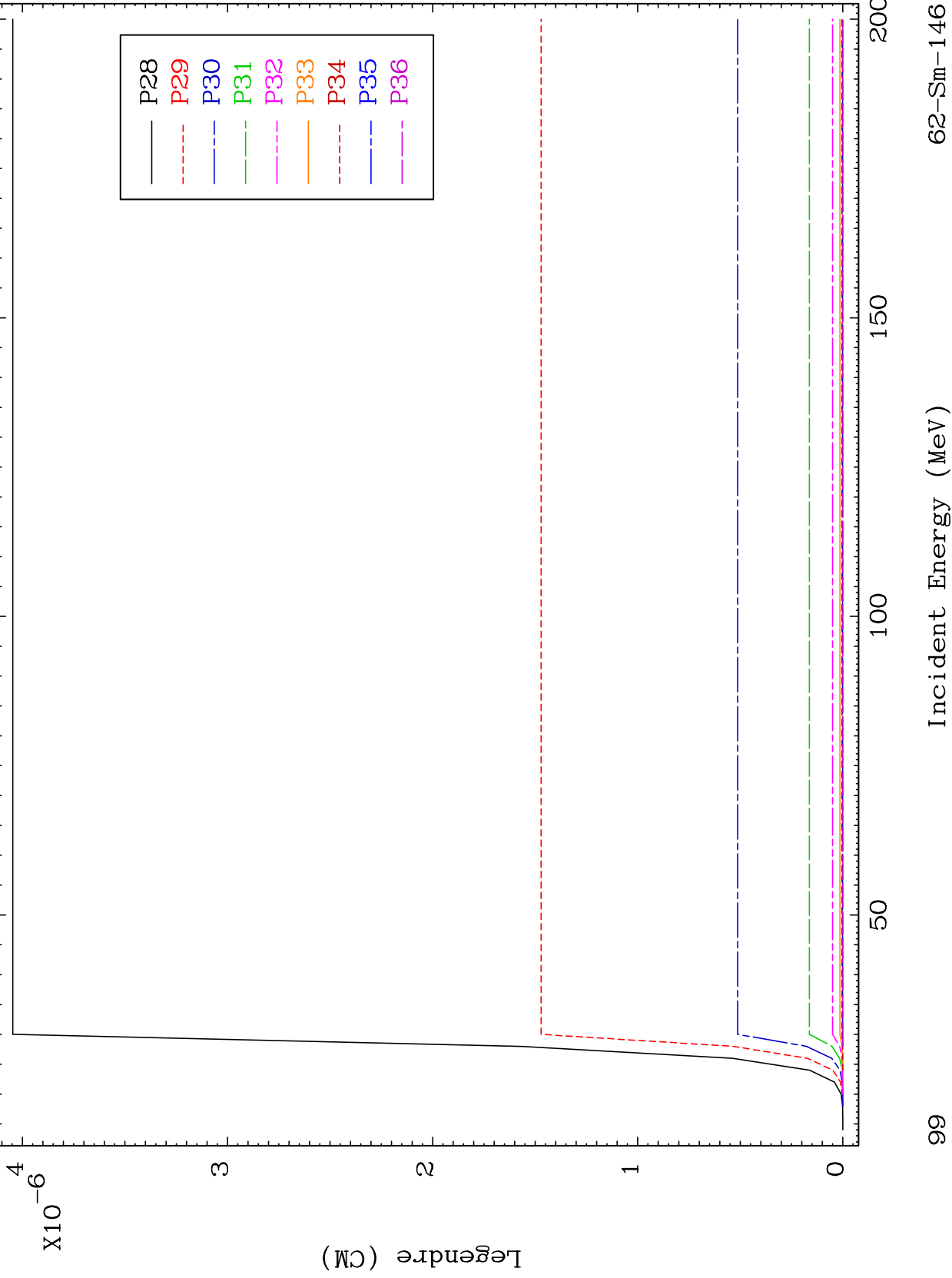
62-Sm-146



MAT 6231

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

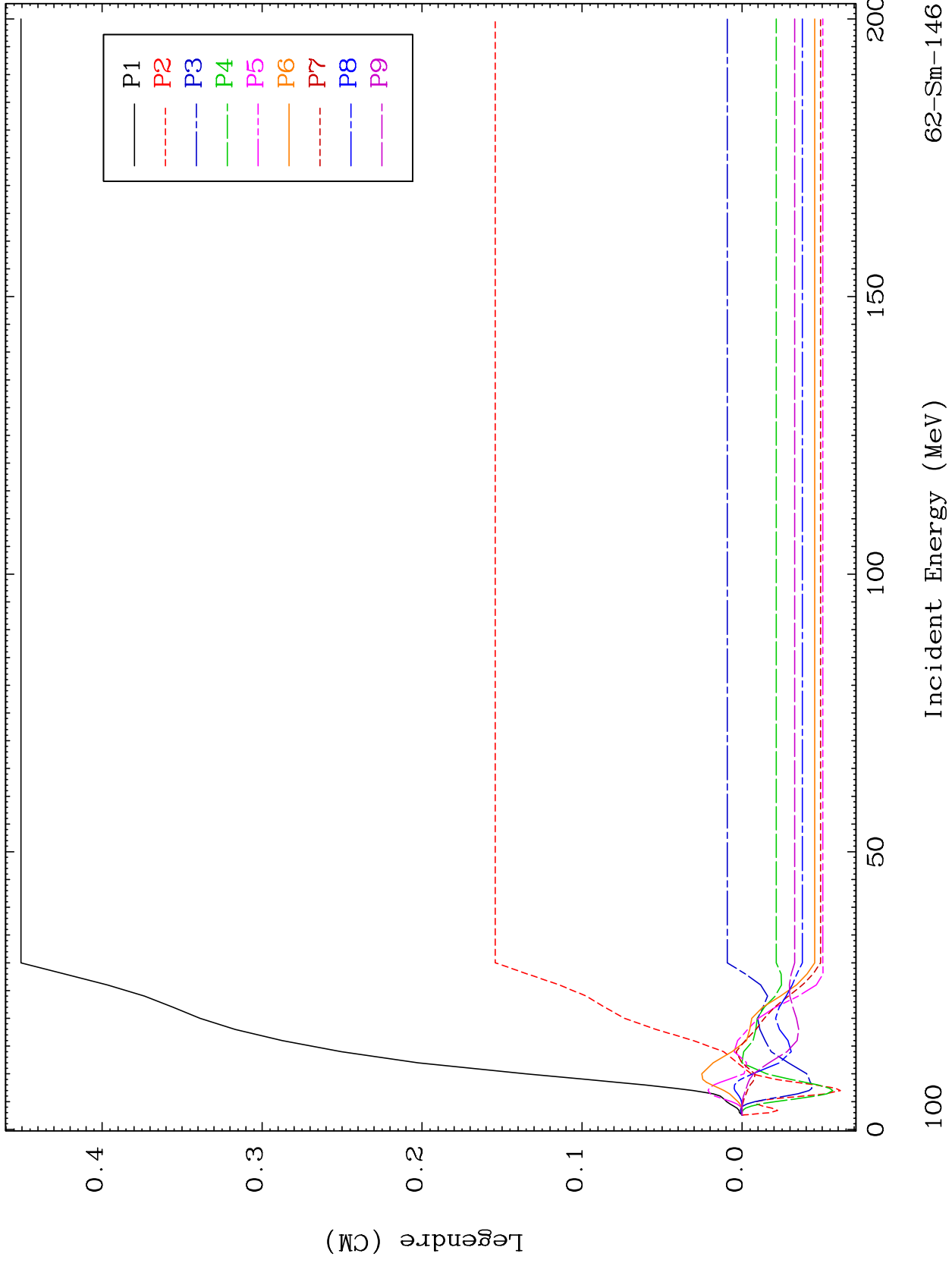
62-Sm-146



MAT 6231

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

62-Sm-146

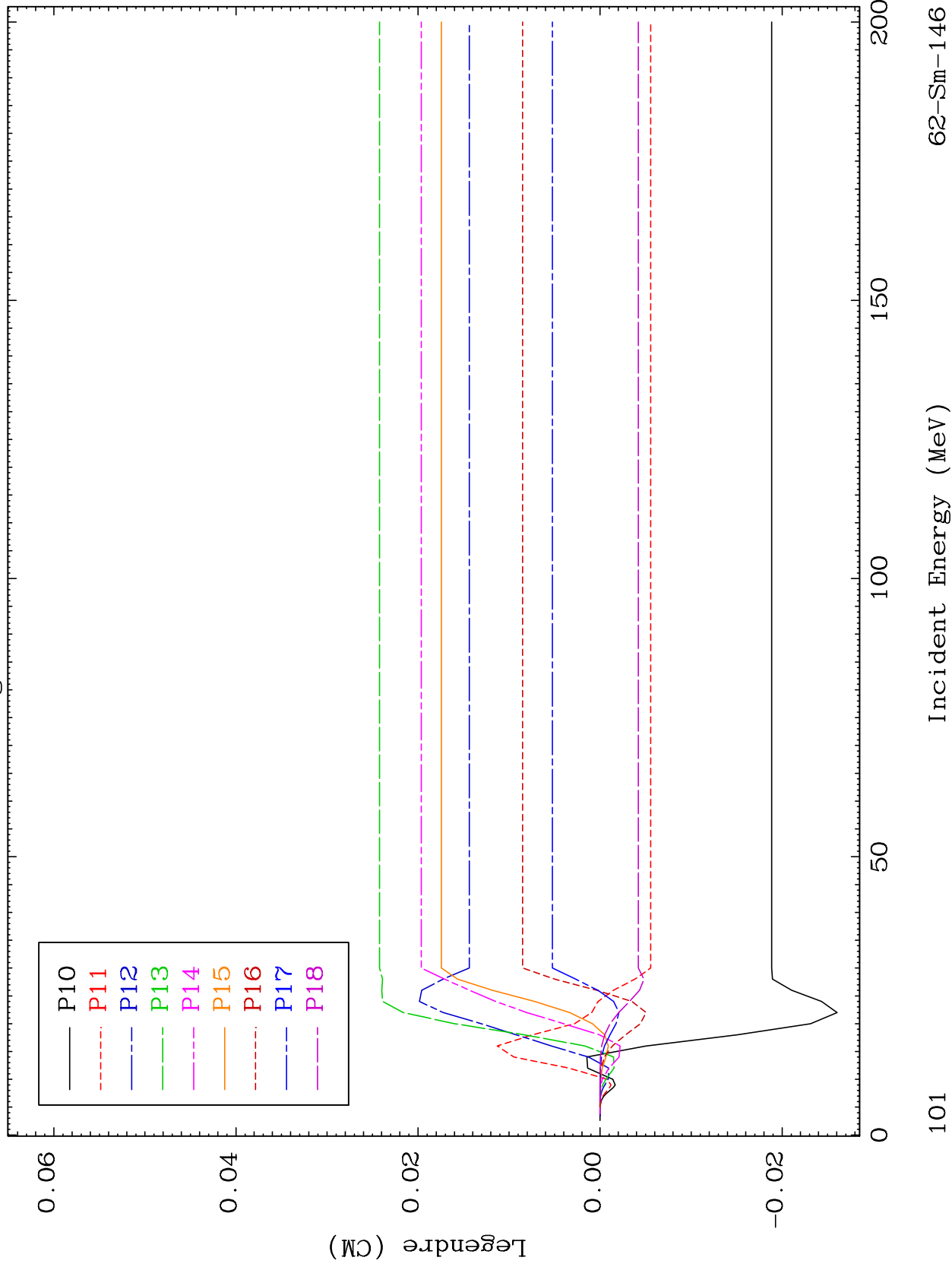


62-Sm-146

MAT 6231

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

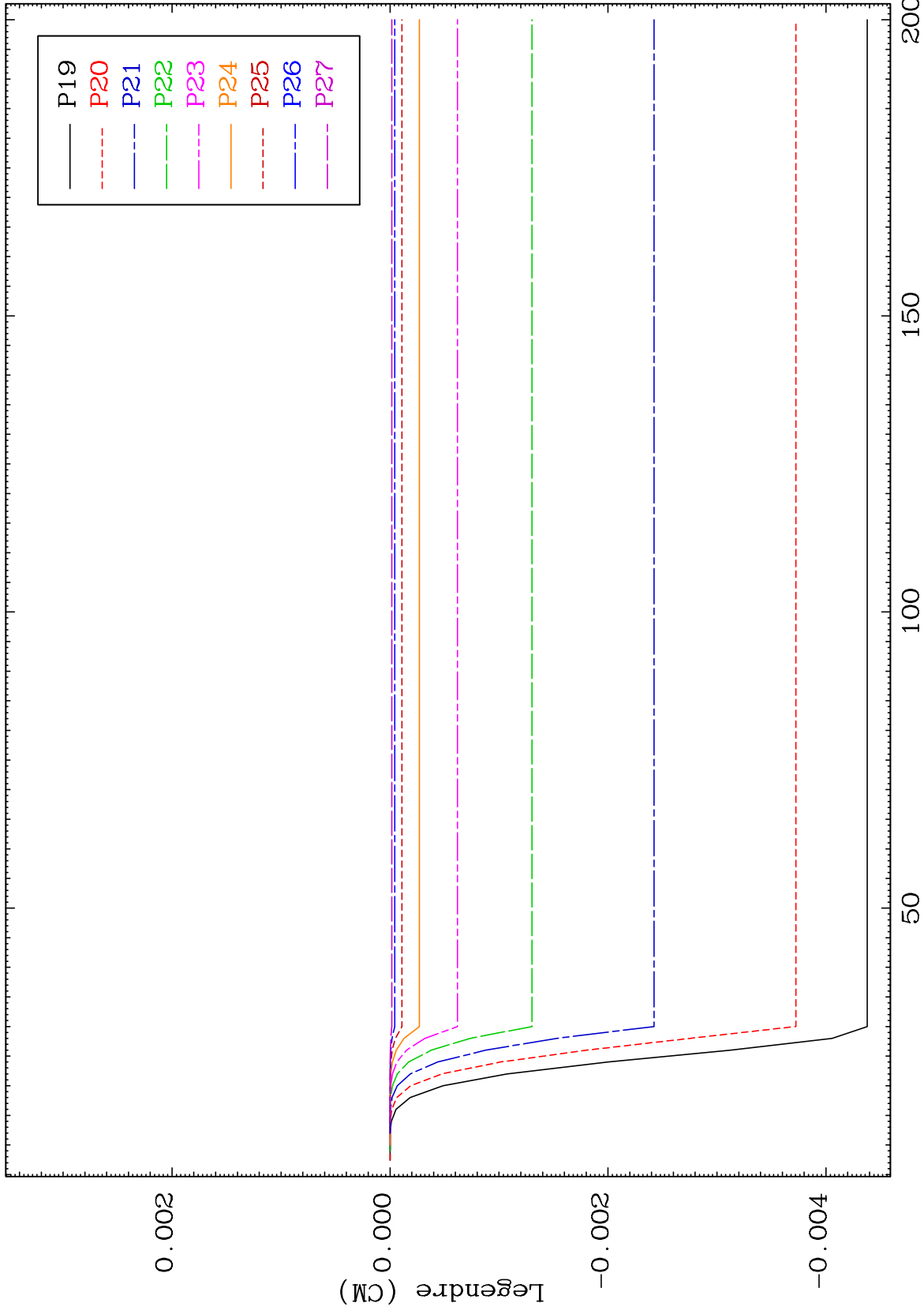
62-Sm-146

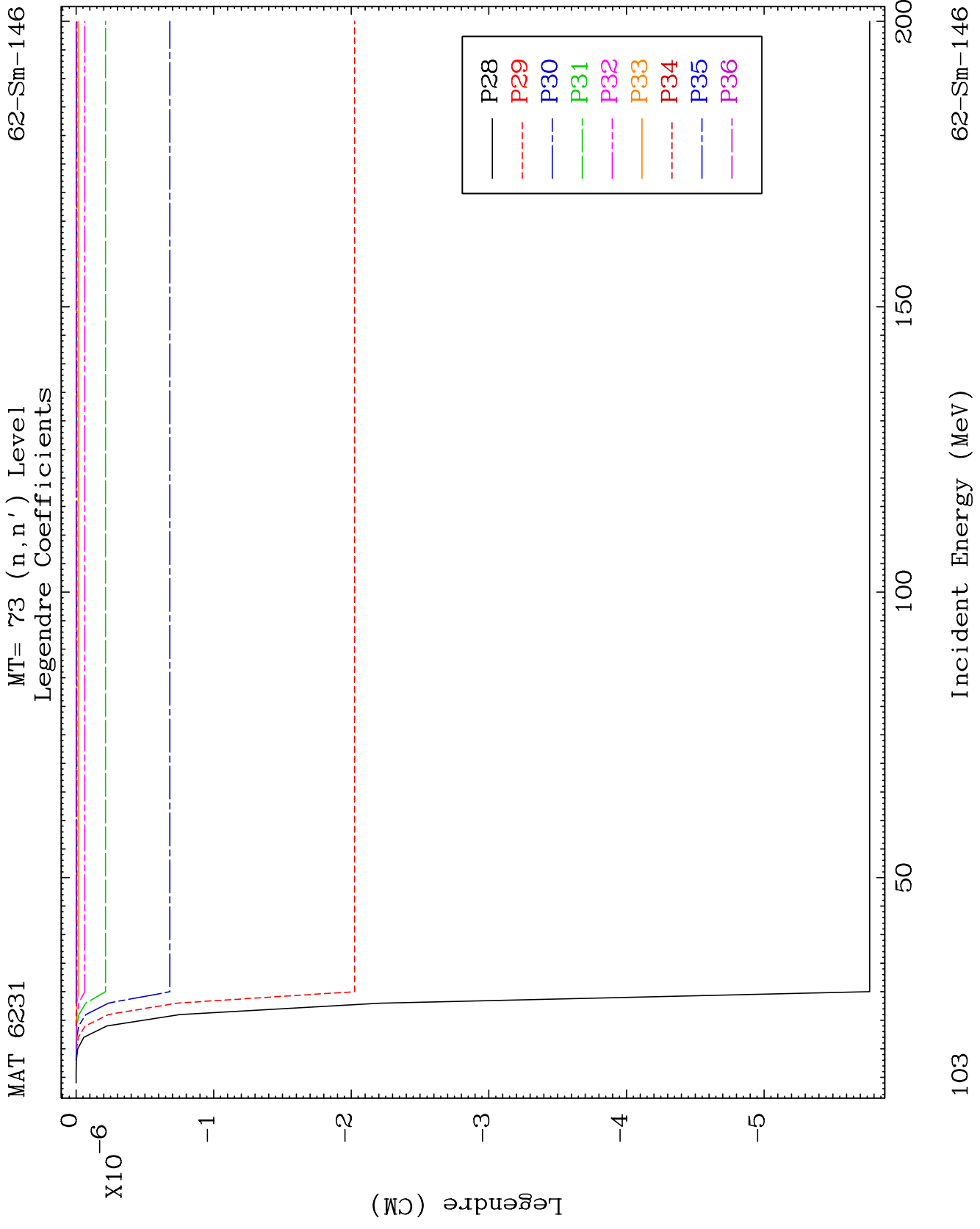


101

Incident Energy (MeV)

62-Sm-146

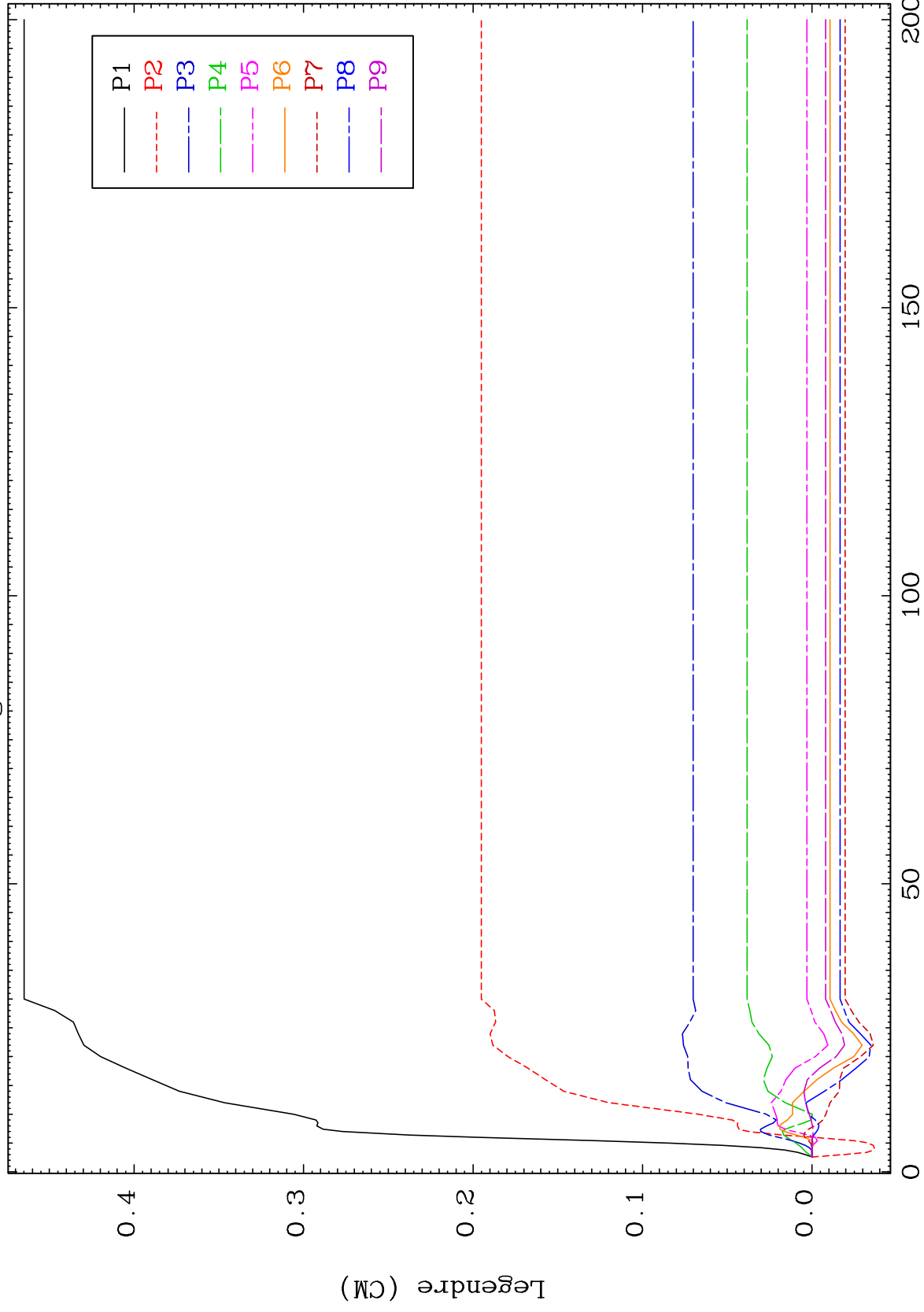




MAT 6231

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

62-Sm-146



104

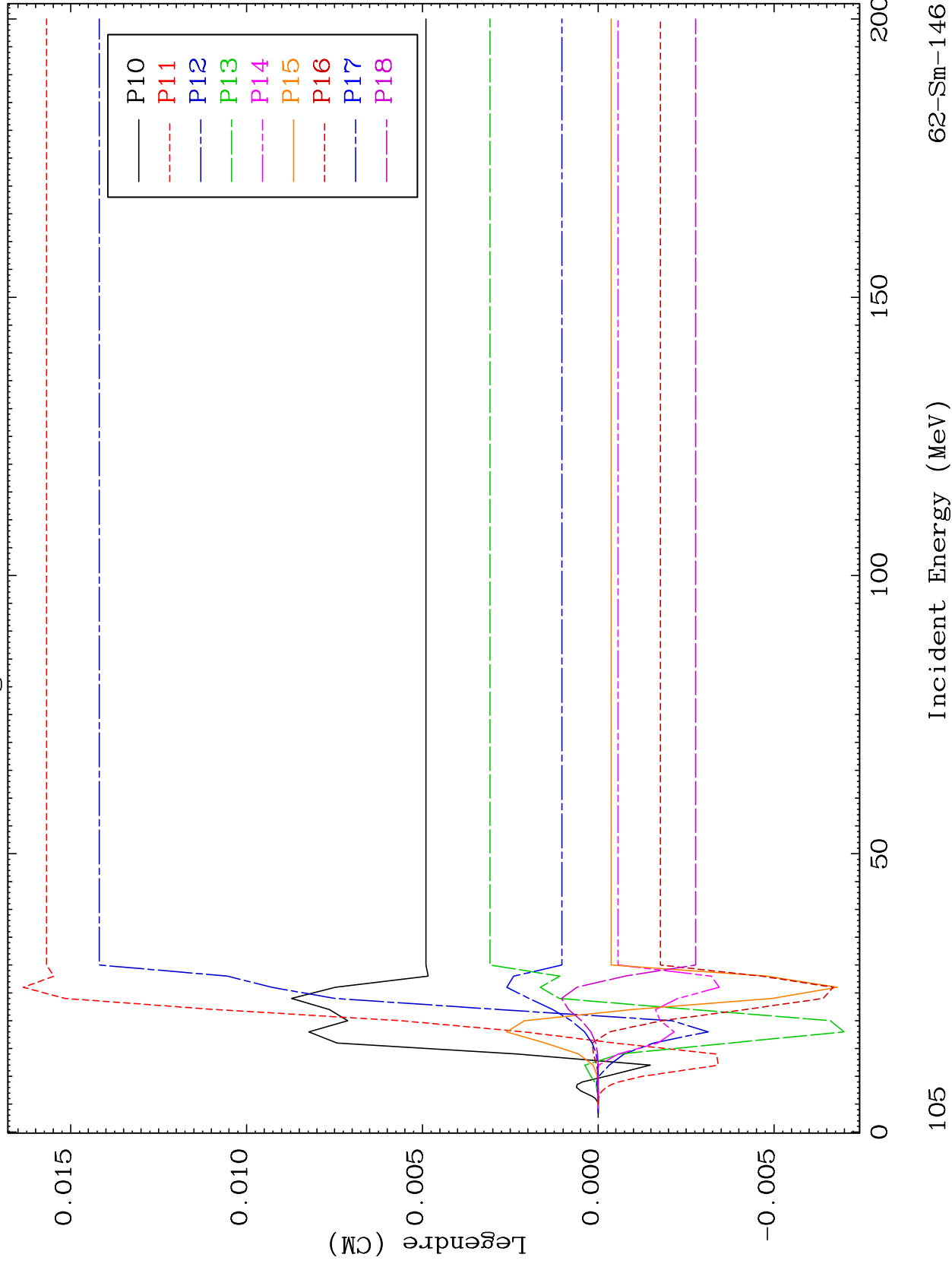
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

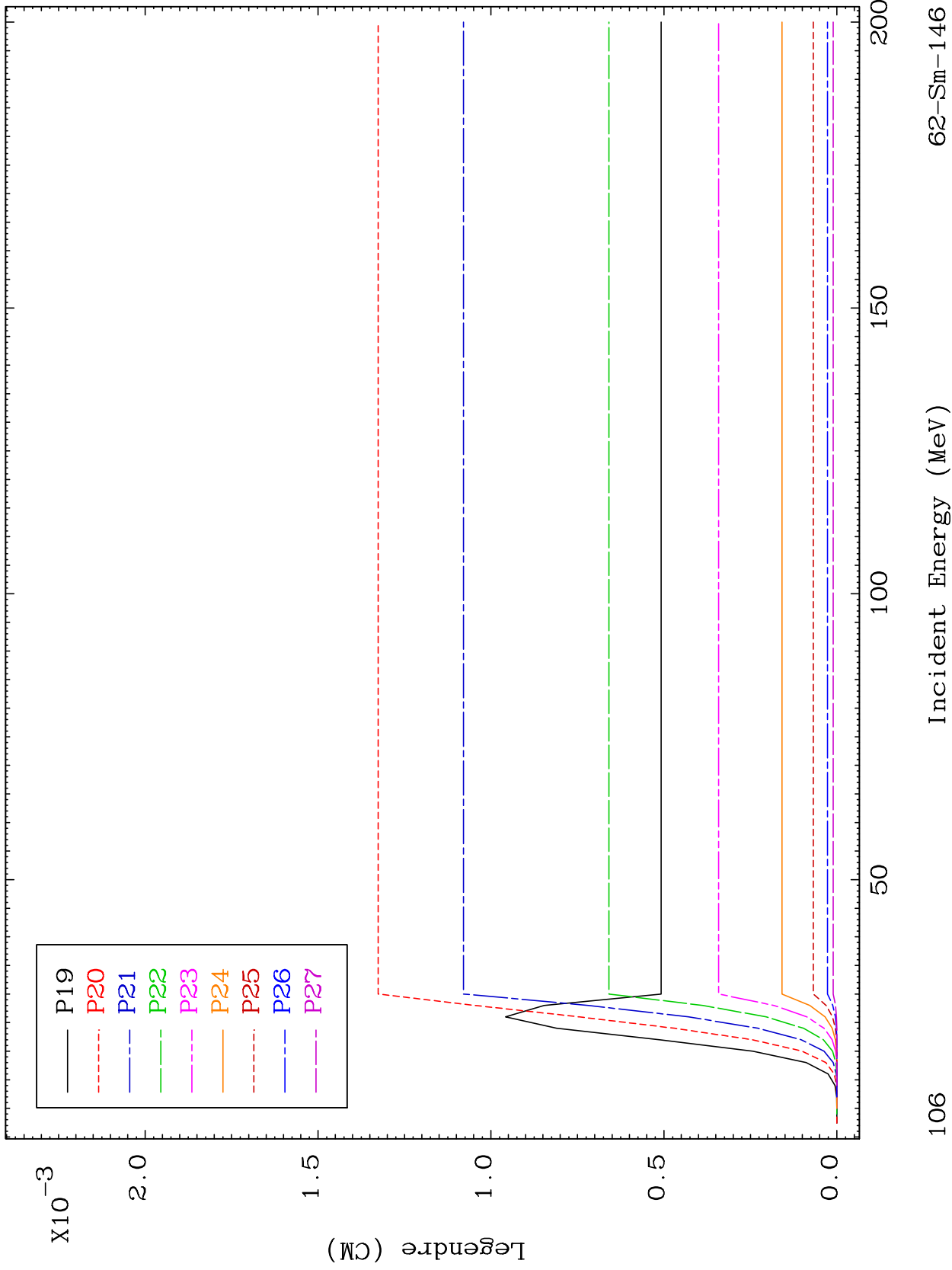
62-Sm-146



62-Sm-146

Incident Energy (MeV)

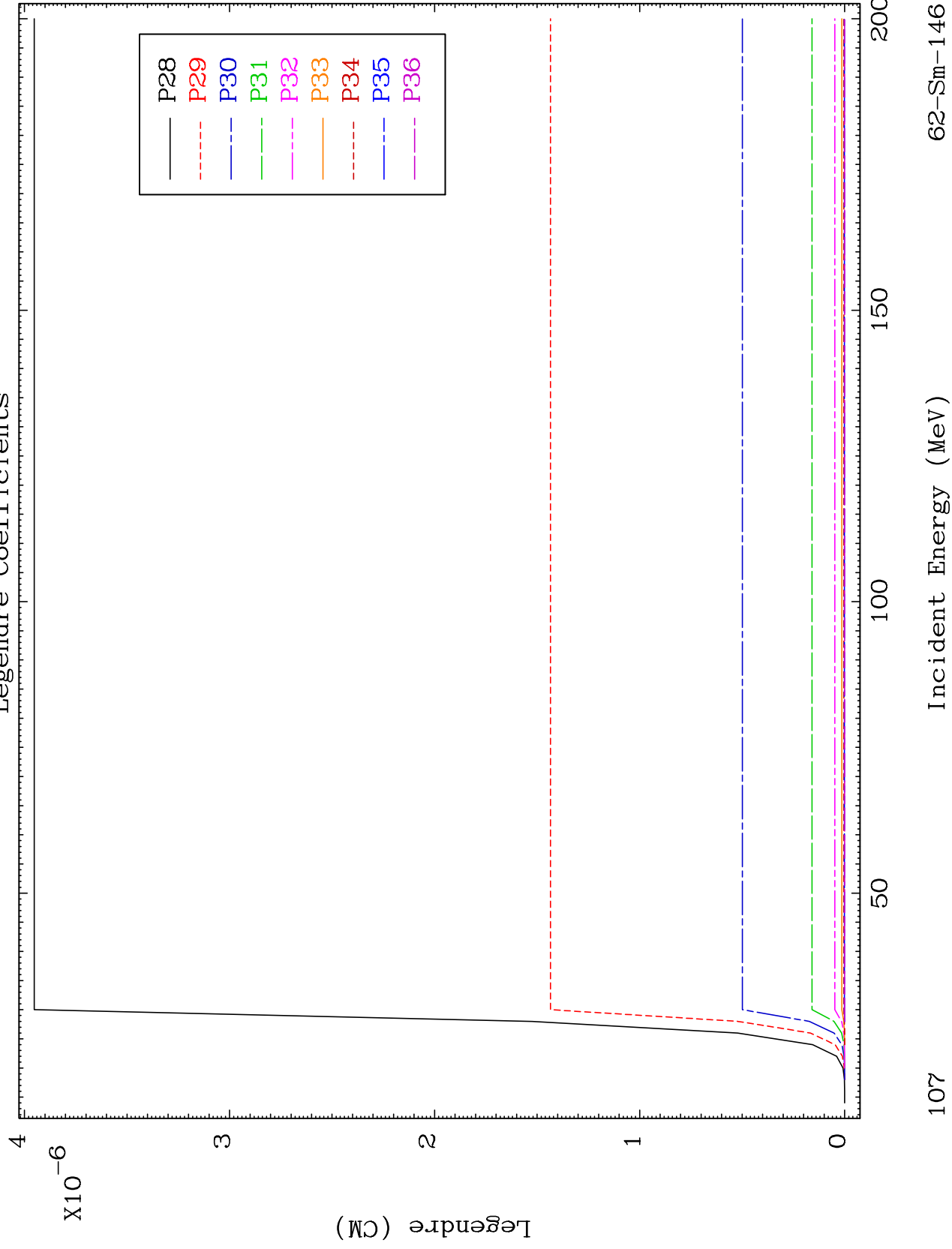
105



MAT 6231

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

62-Sm-146

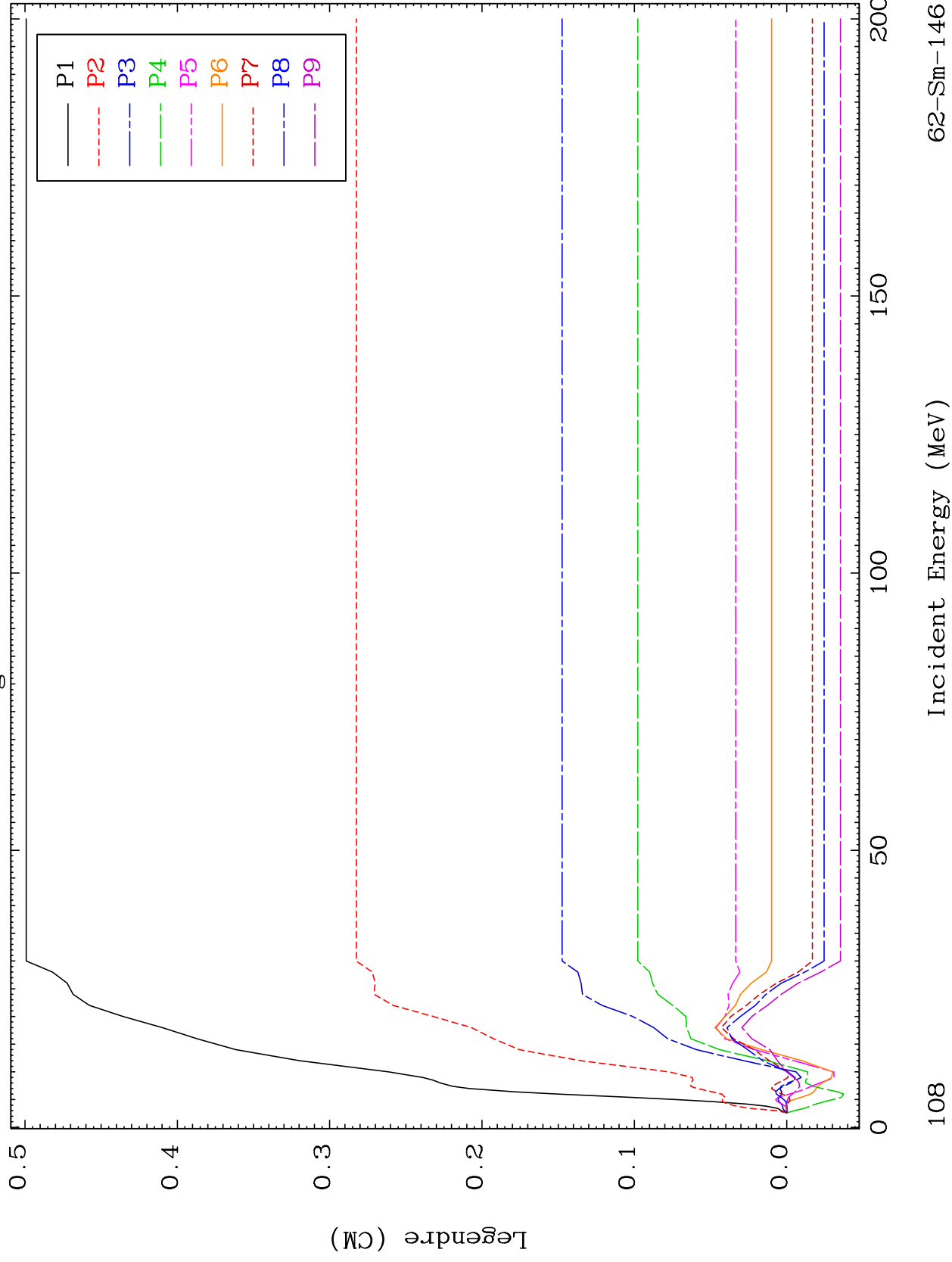


107

MAT 6231

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

62-Sm-146



62-Sm-146

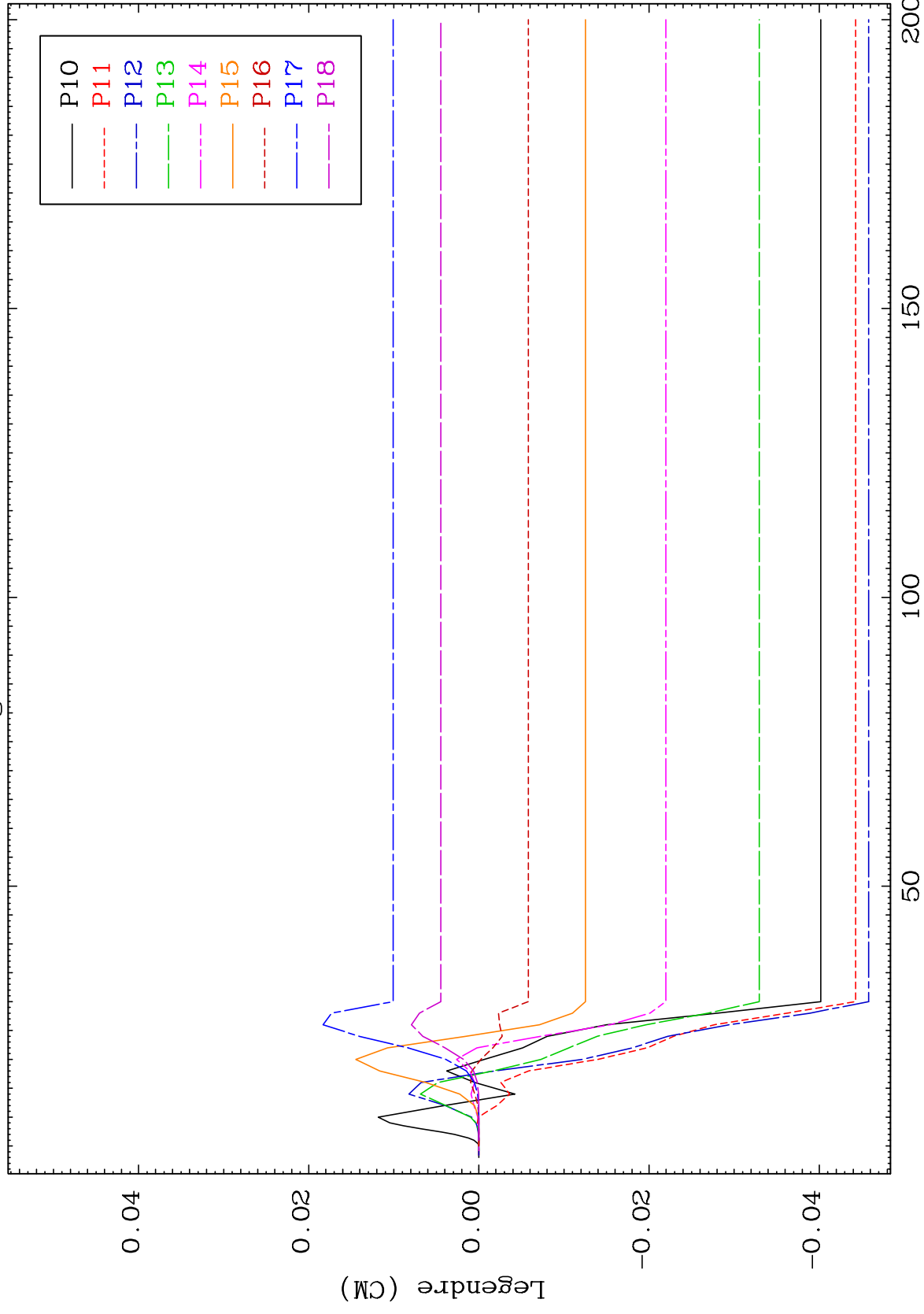
Incident Energy (MeV)

108

MAT 6231

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

62-Sm-146



109

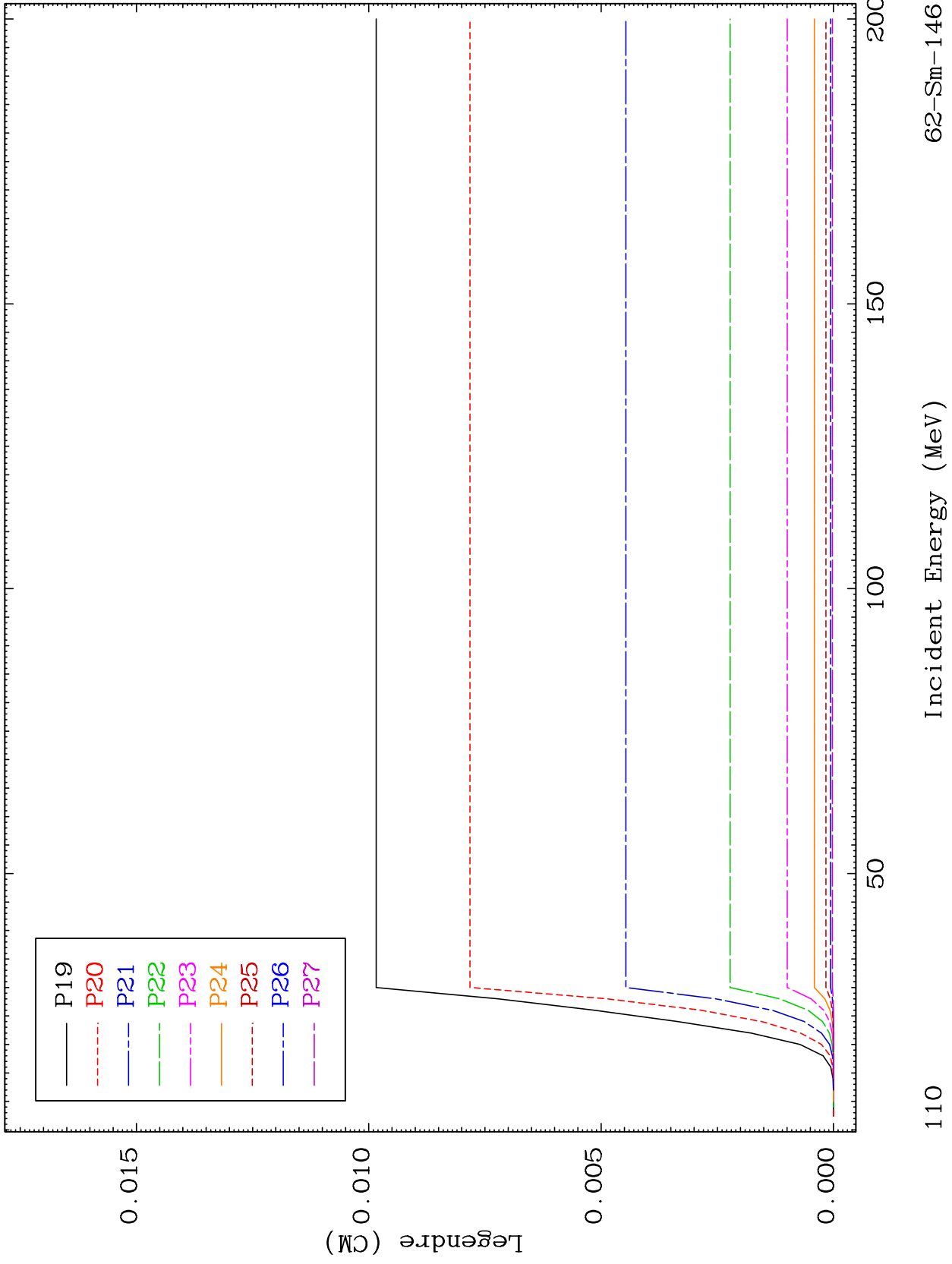
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



110

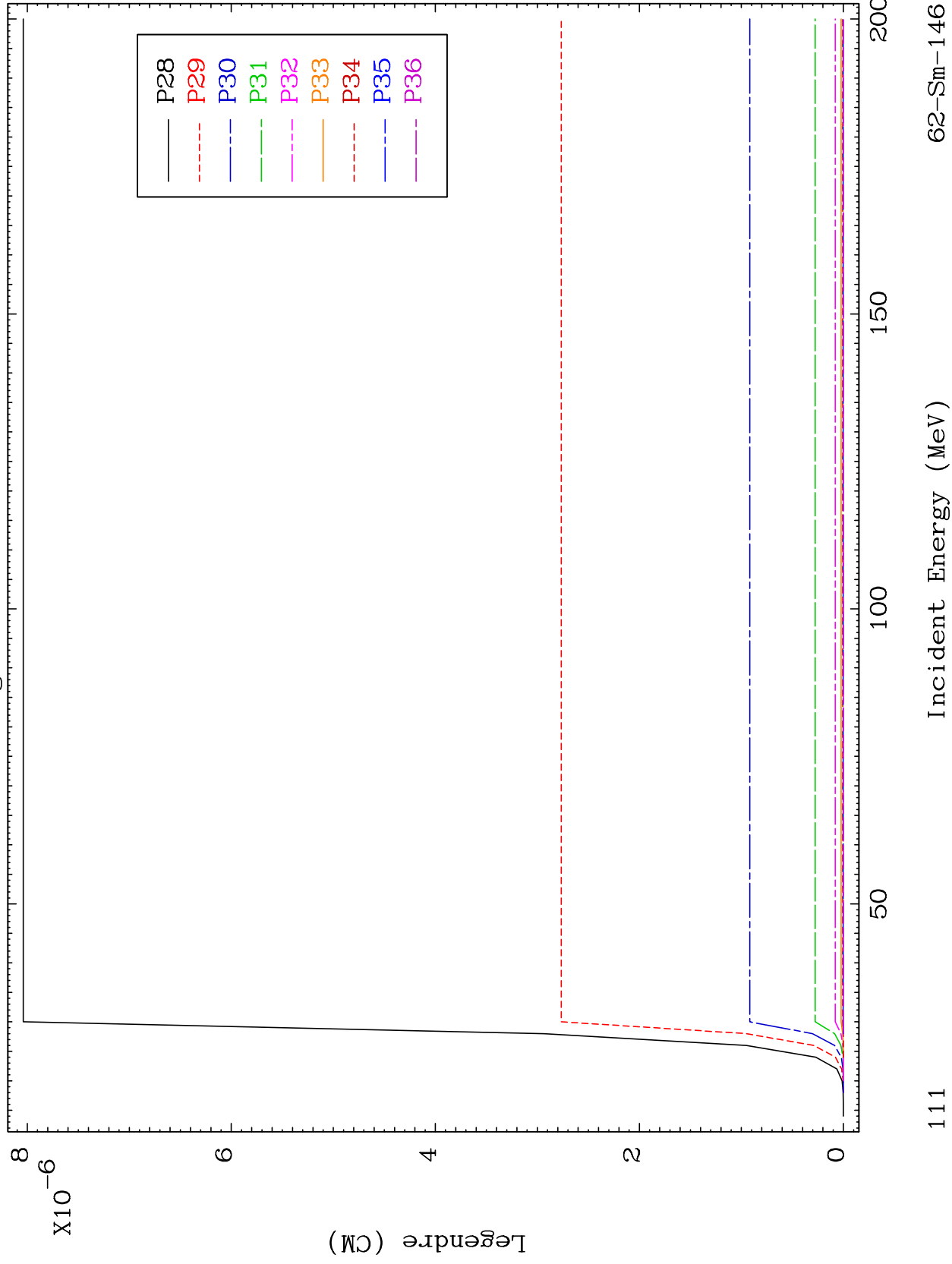
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

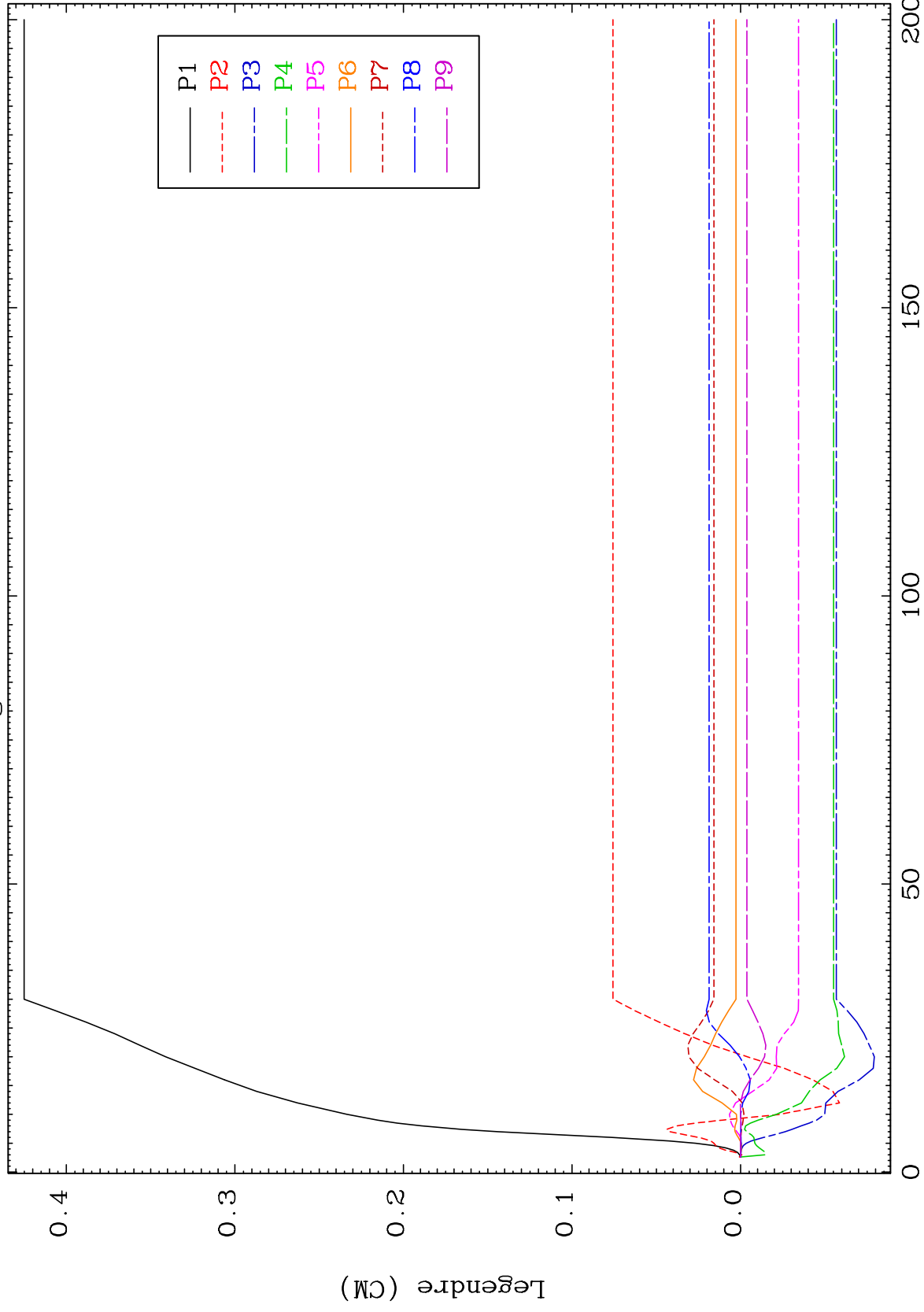
62-Sm-146



MAT 6231

MT= 76 (n,n') Level
Legendre Coefficients

62-Sm-146



112

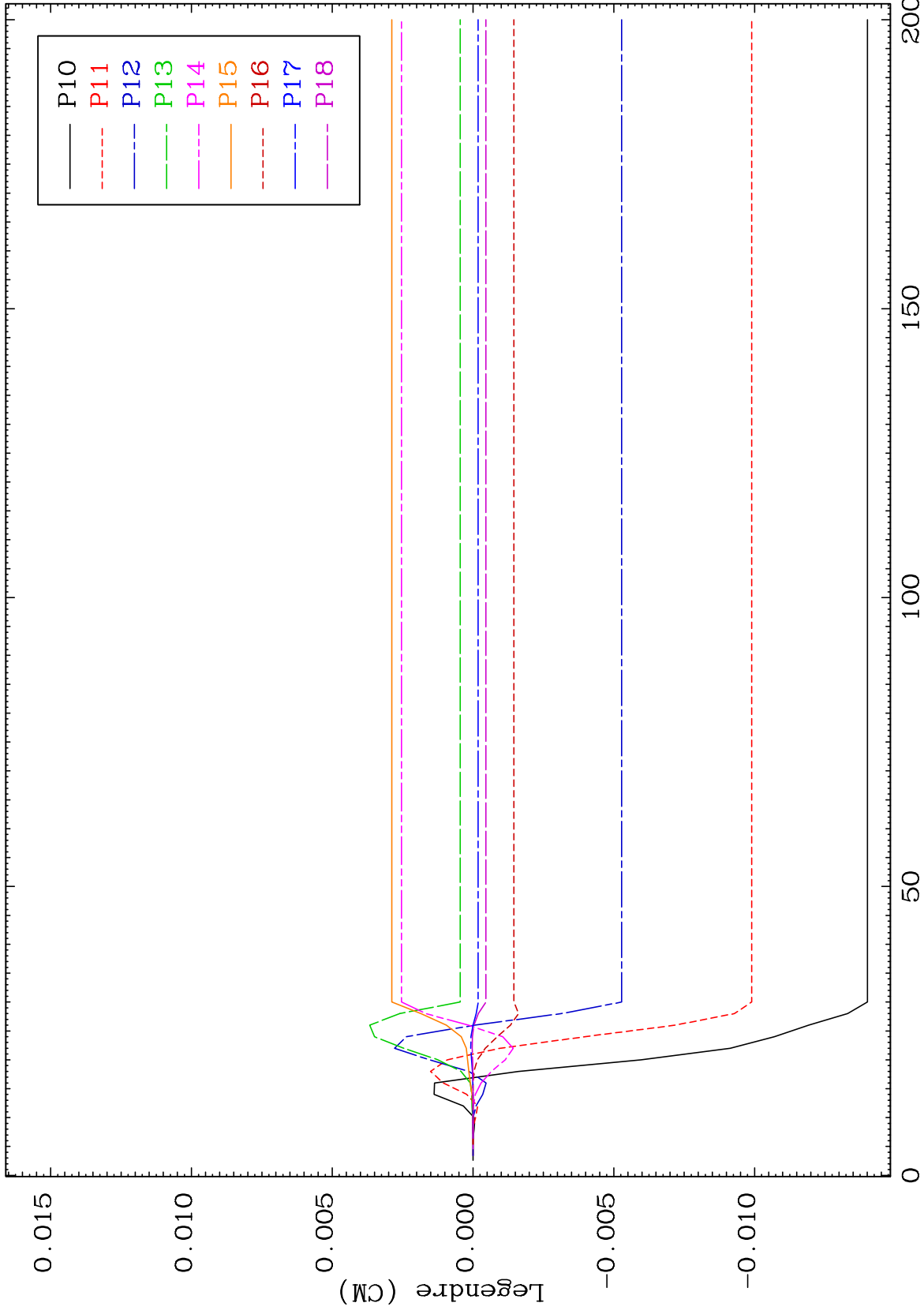
Incident Energy (MeV)

62-Sm-146

MAT 6231

MT= 76 (n,n') Level
Legendre Coefficients

62-Sm-146



113

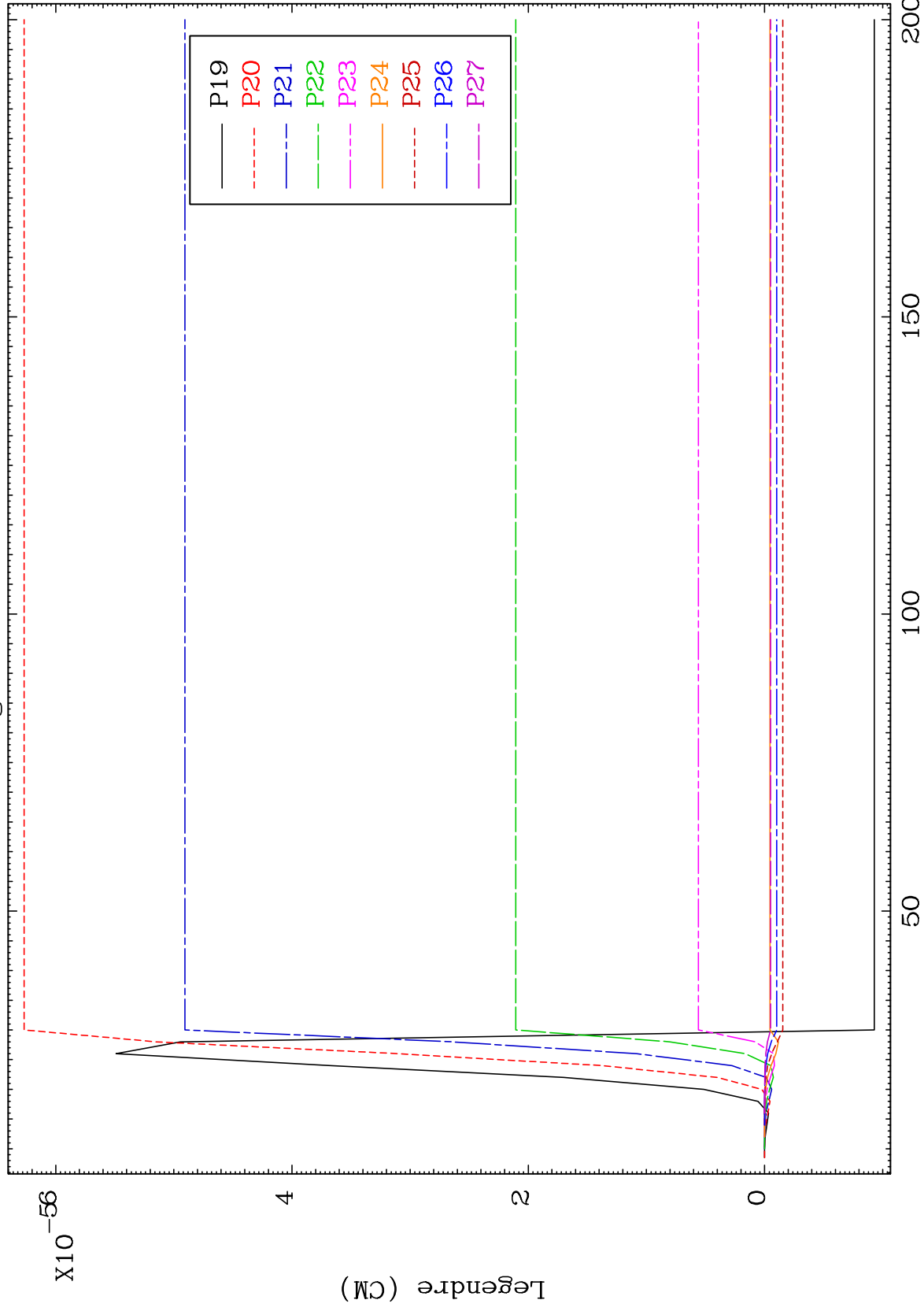
Incident Energy (MeV)

62-Sm-146

MAT 6231

MT= 76 (n,n') Level
Legendre Coefficients

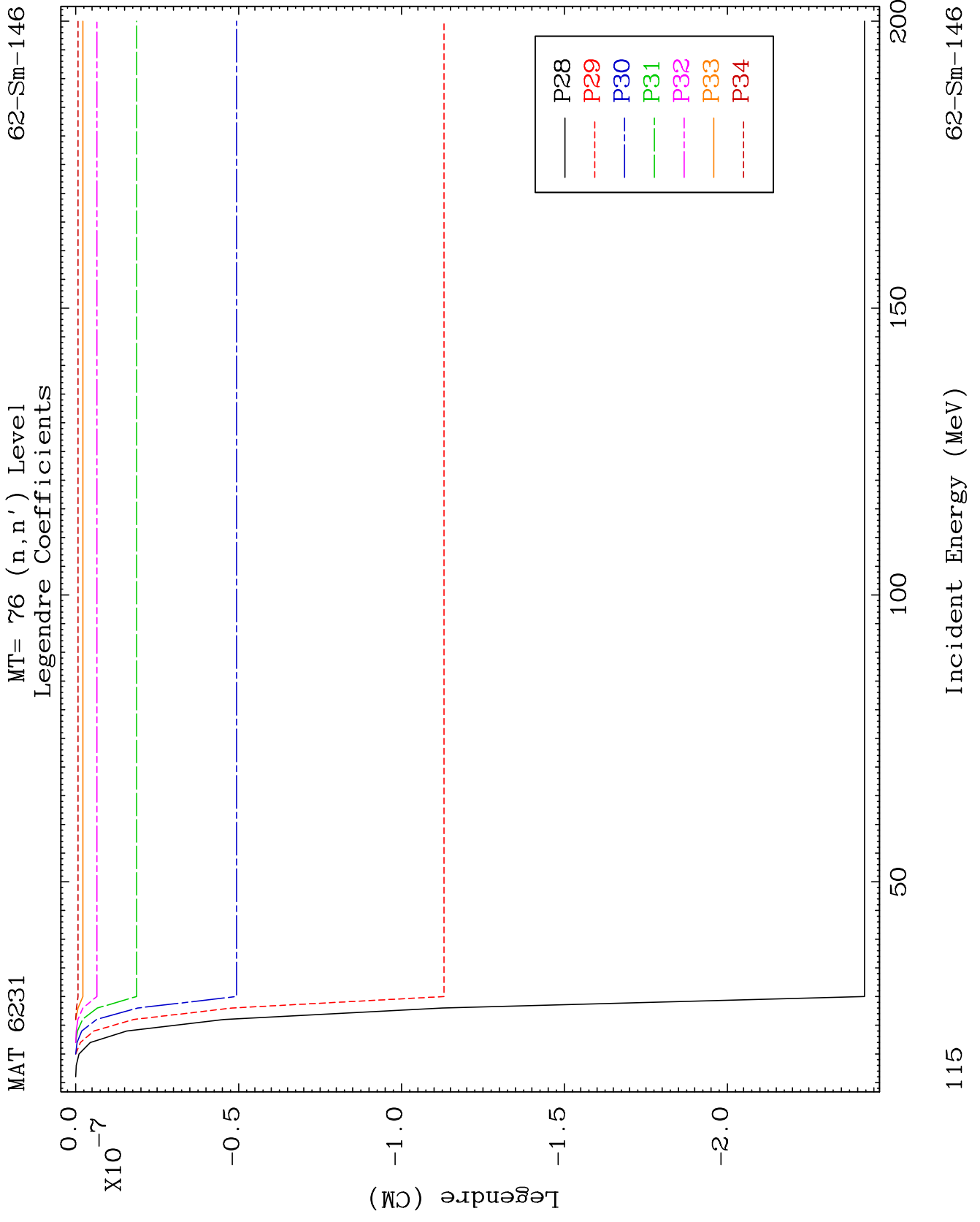
62-Sm-146



114

Incident Energy (MeV)

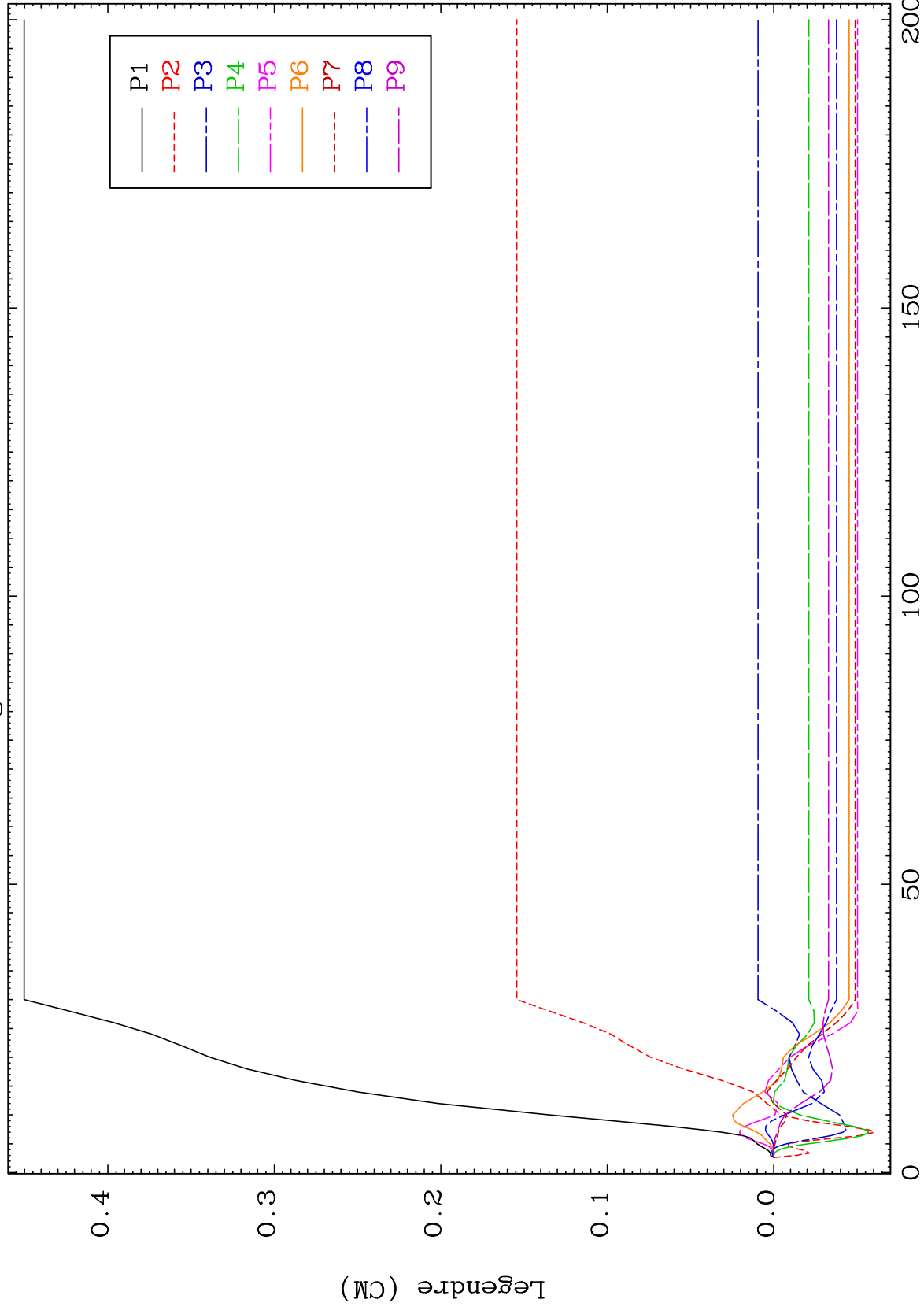
62-Sm-146



MAT 6231

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

62-Sm-146



62-Sm-146

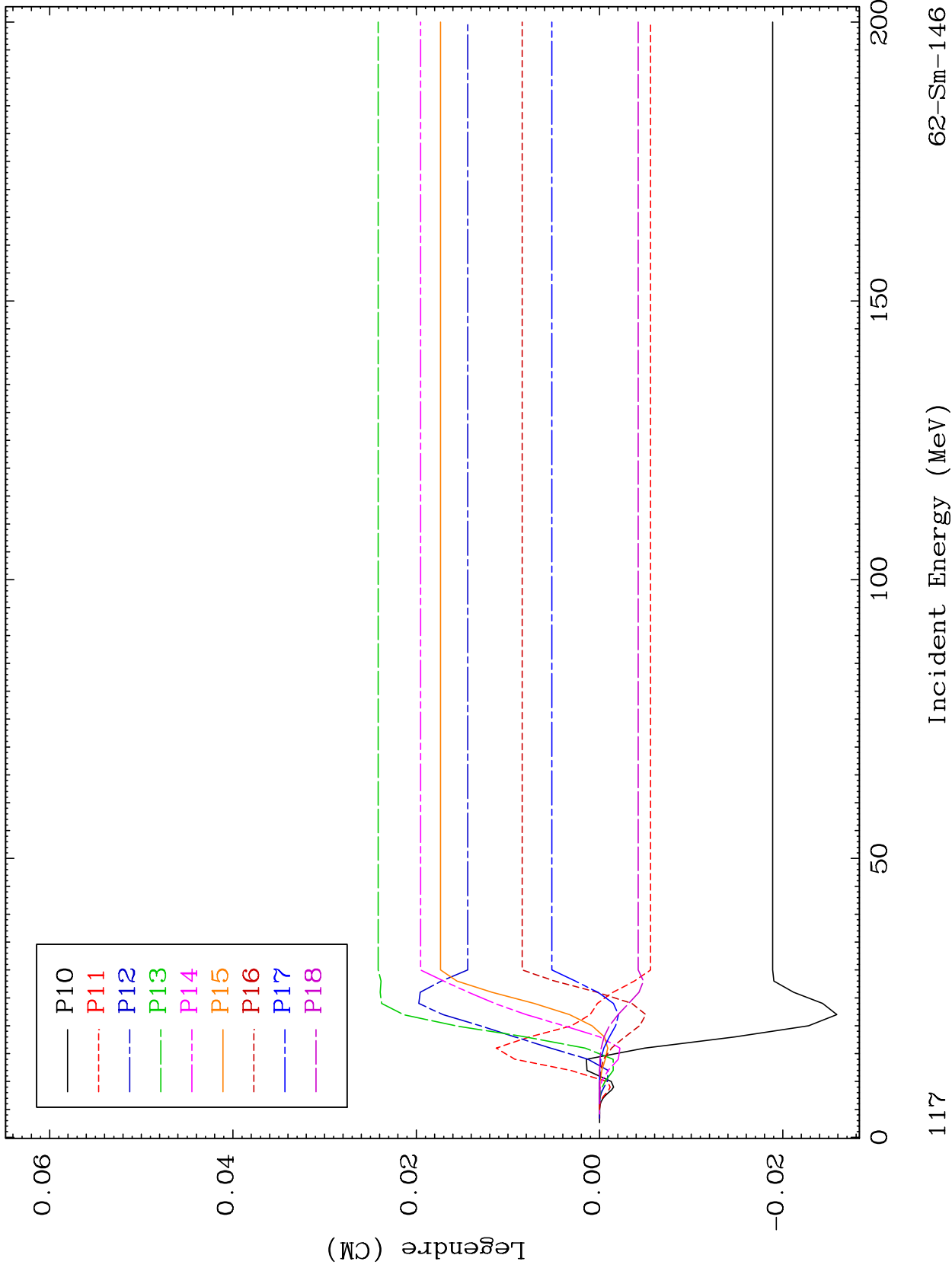
Incident Energy (MeV)

116

MAT 6231

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

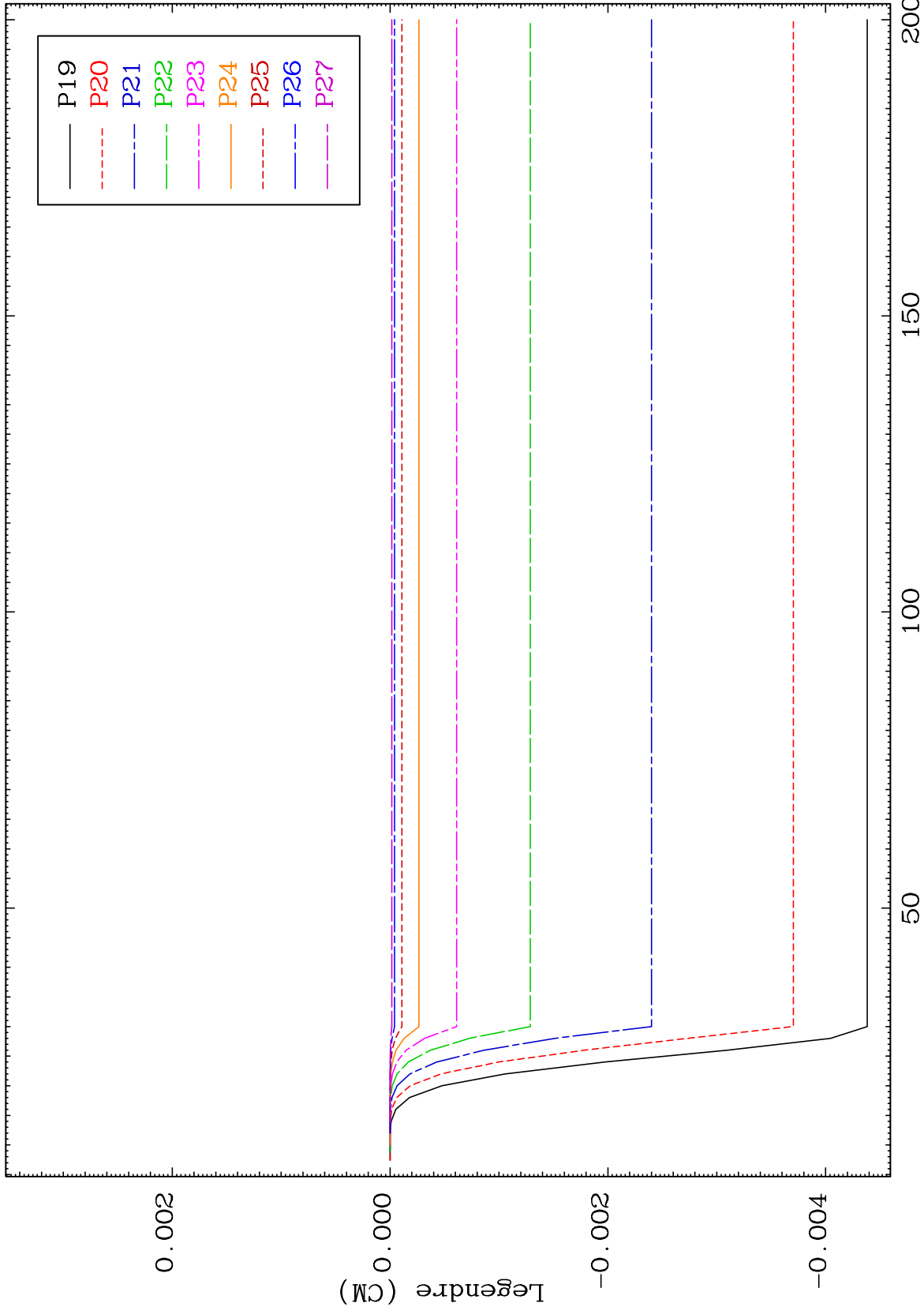
62-Sm-146



MAT 6231

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

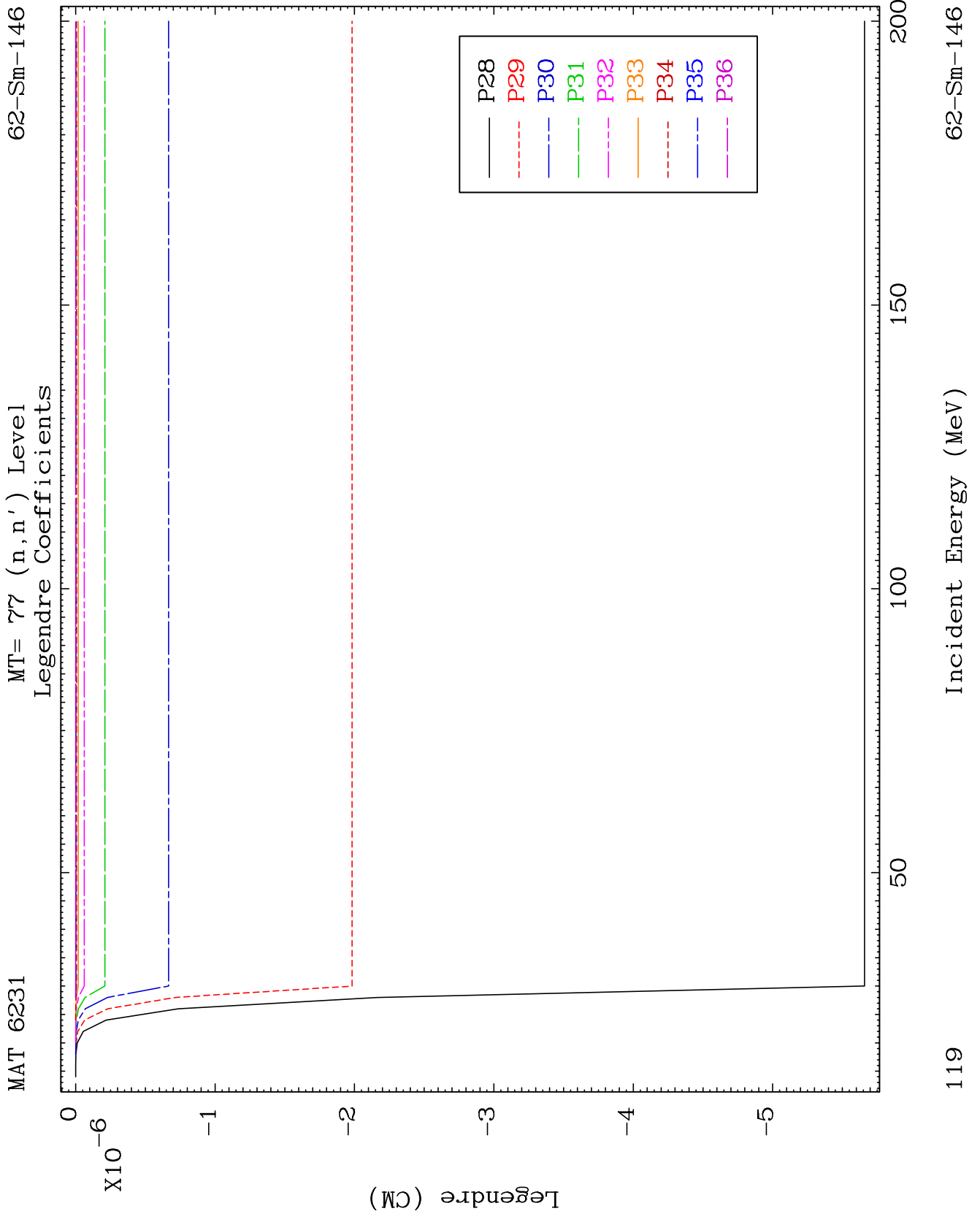
62-Sm-146



118

Incident Energy (MeV)

62-Sm-146

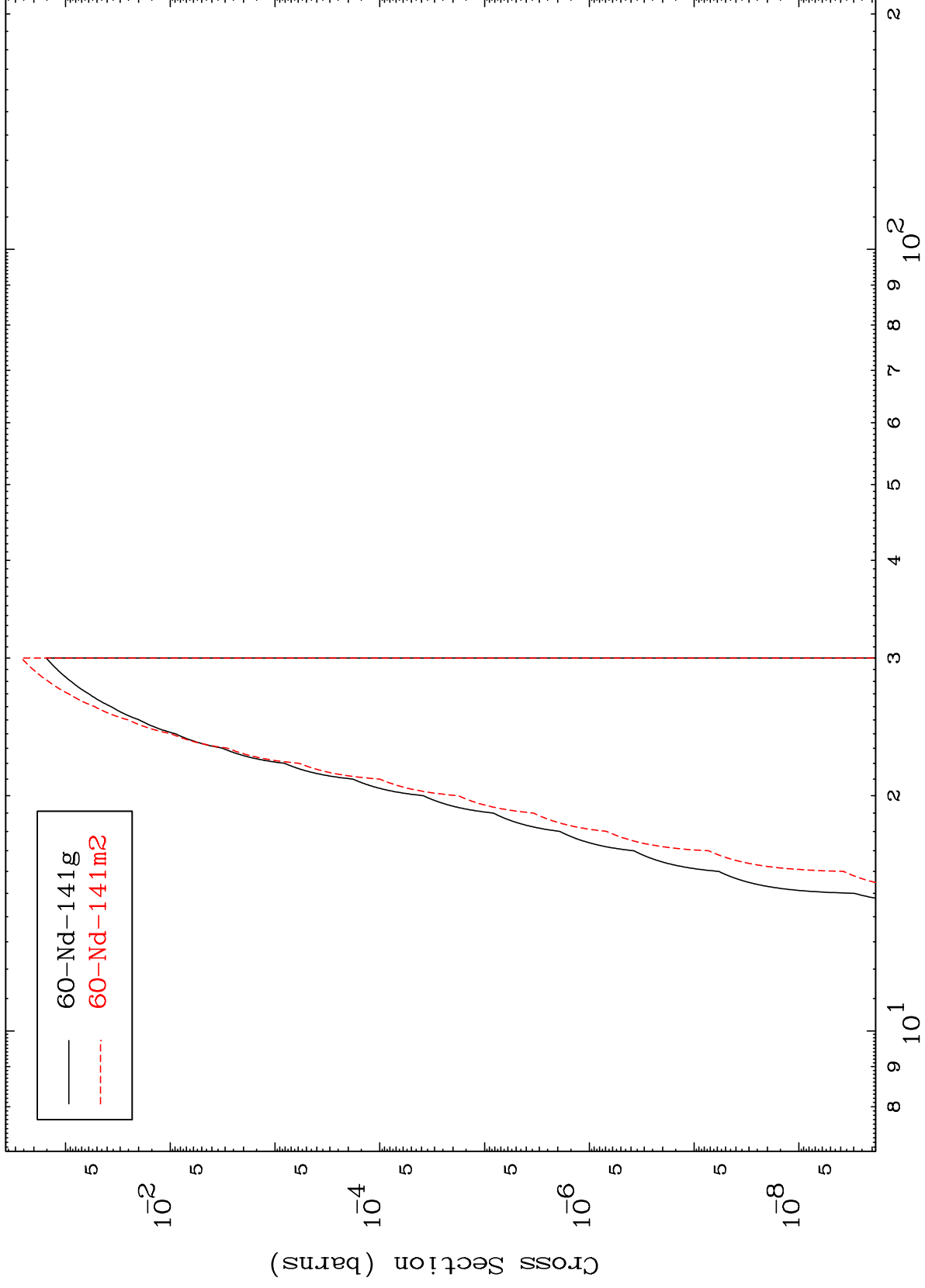


MAT 6231

(n,2n) α

62-Sm-146

Radionuclide Production Cross Section



120

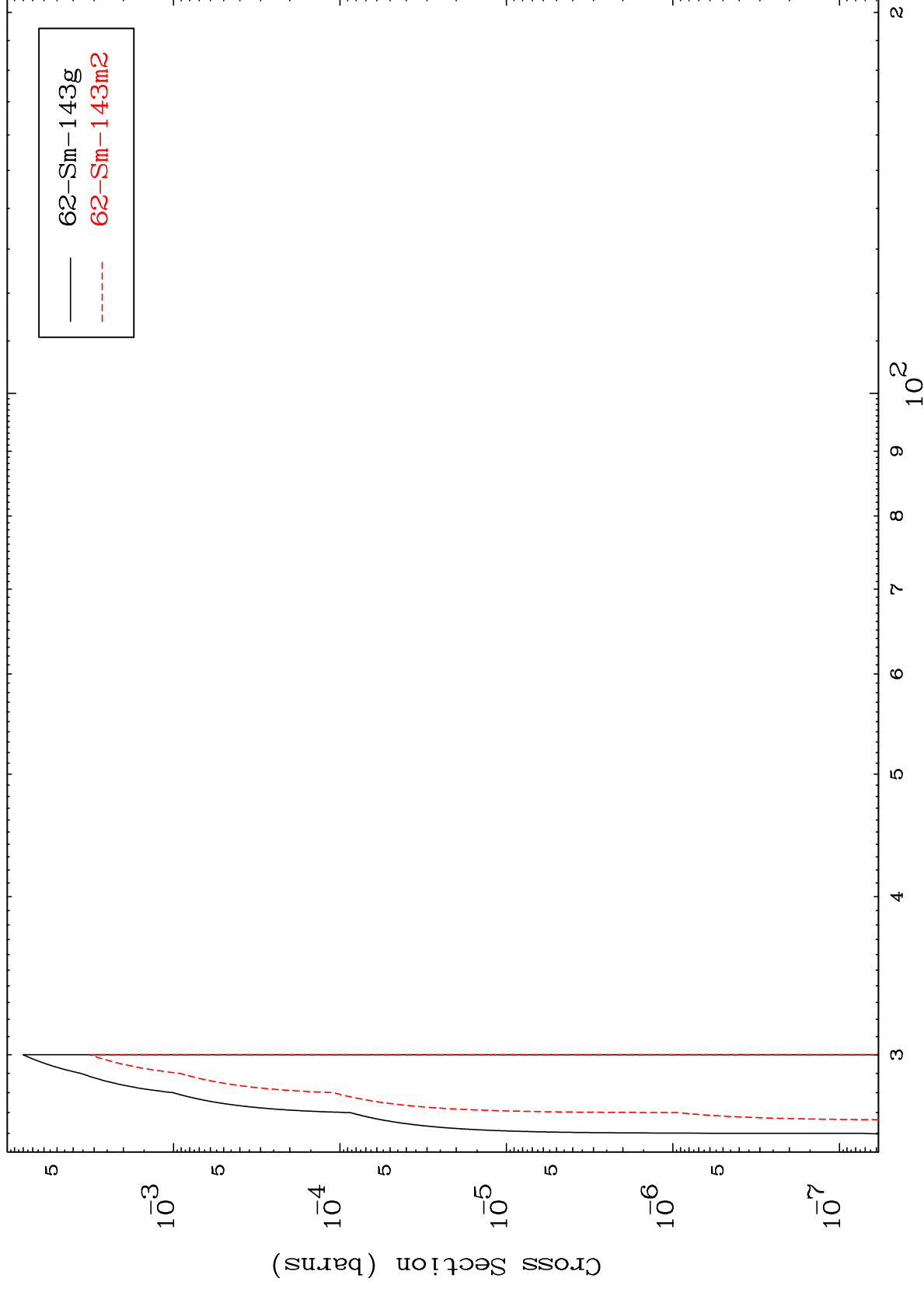
Incident Energy (MeV)

62-Sm-146

MAT 6231

62-Sm-146

(n,4n)
Radionuclide Production Cross Section



121

62-Sm-146

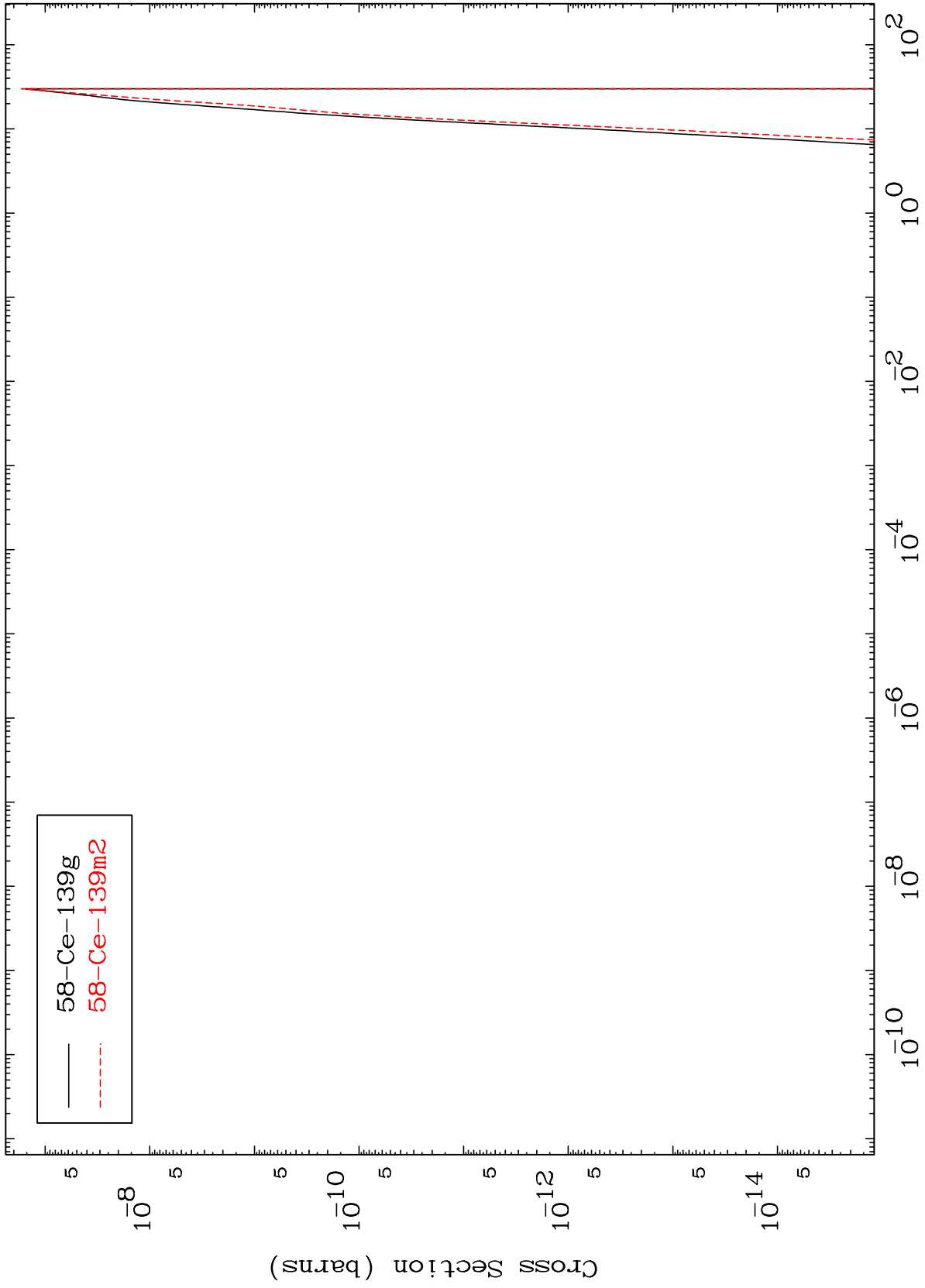
Incident Energy (MeV)

MAT 6231

(n,2α)

62-Sm-146

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

MAT 6231

(n,p) α

62-Sm-146

Radionuclide Production Cross Section

