

Program EVALPLOT
(Version 2021-1)

by

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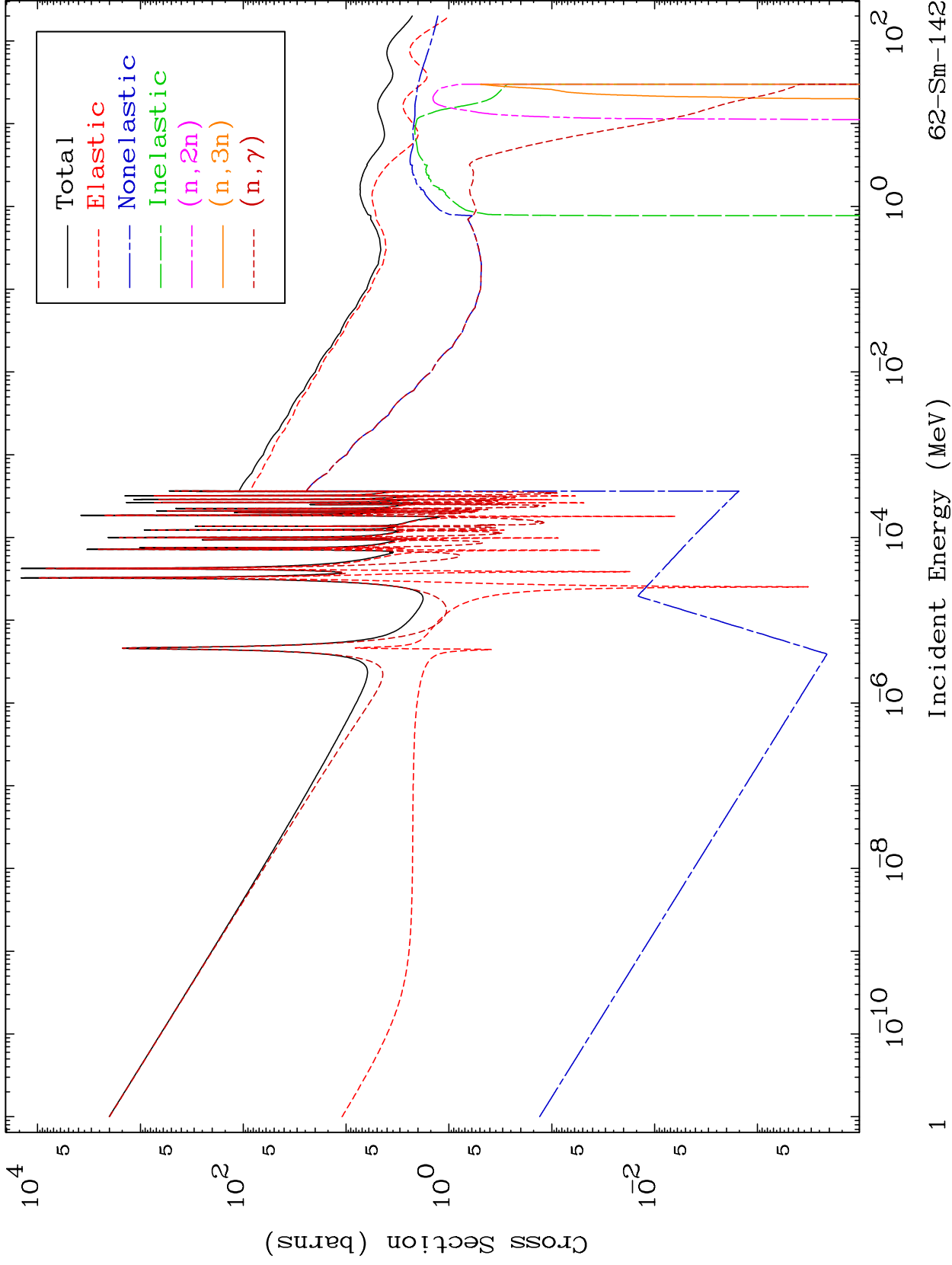
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Press Mouse Button to Start

MAT 6219

Neutron Major
293 Kelvin Cross Sections

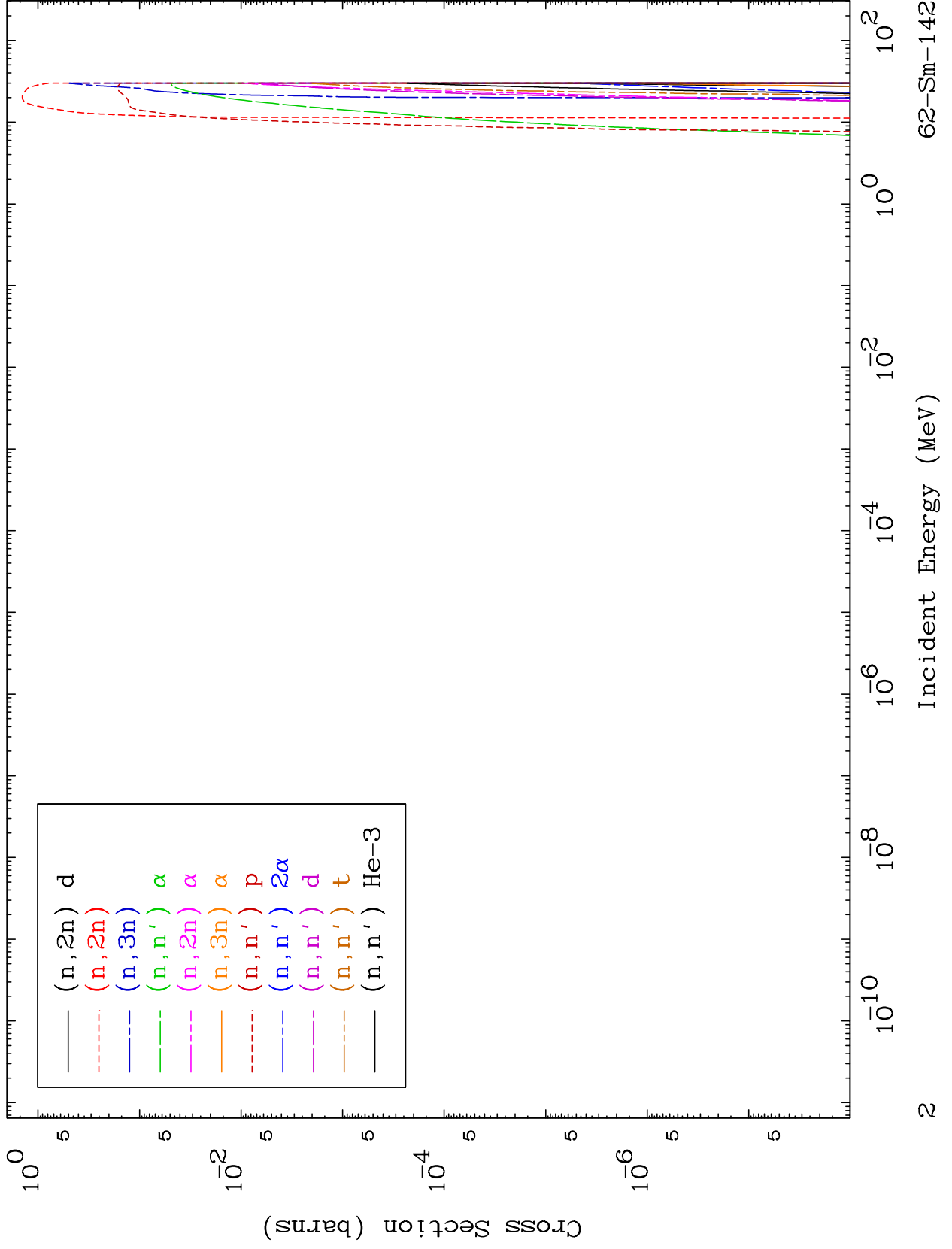
62-Sm-142



MAT 6219

Neutron Absorption
293 Kelvin Cross Sections

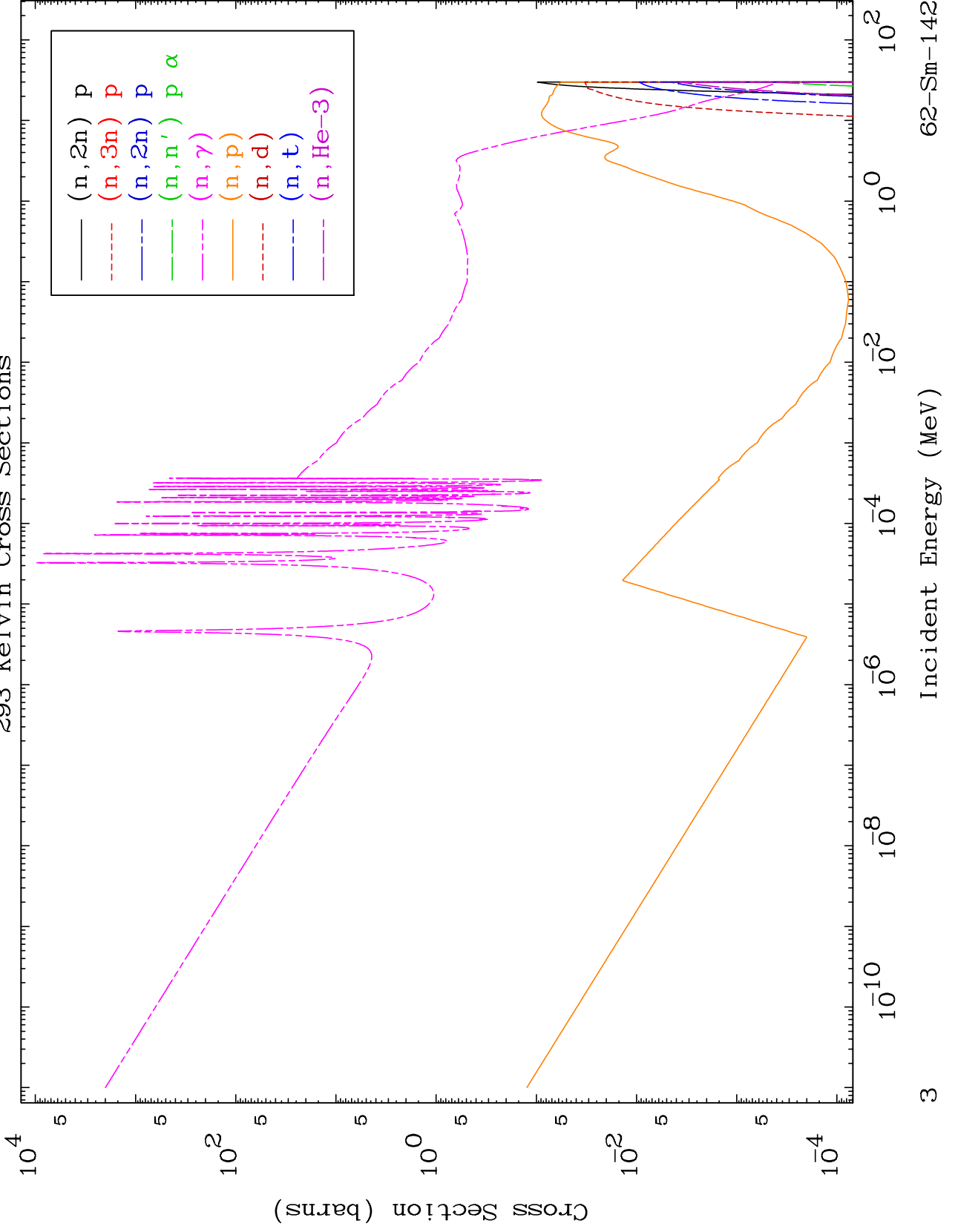
62-Sm-142



MAT 6219

Neutron Absorption
293 Kelvin Cross Sections

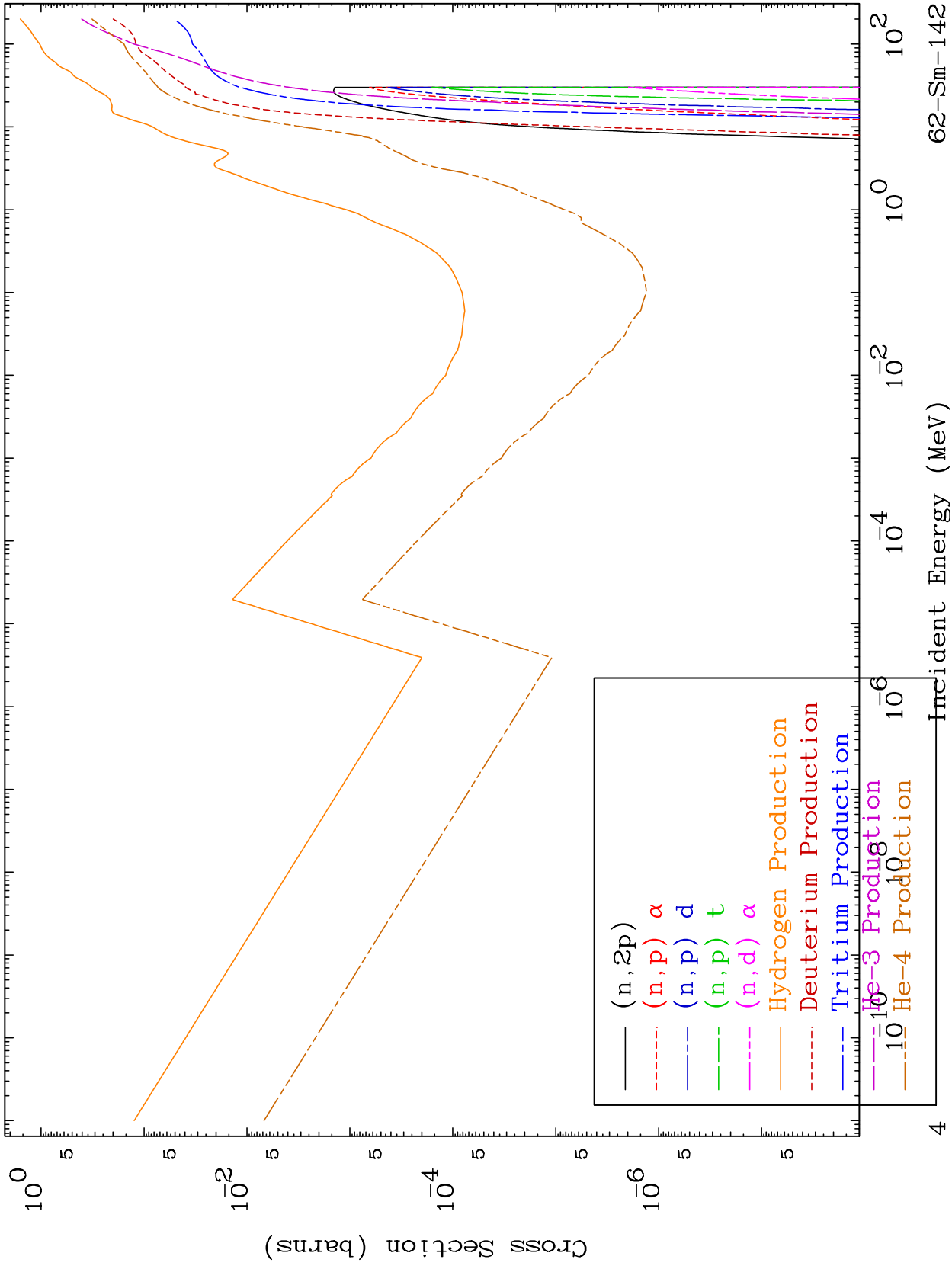
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MAT 6219

Neutron Absorption
293 Kelvin Cross Sections

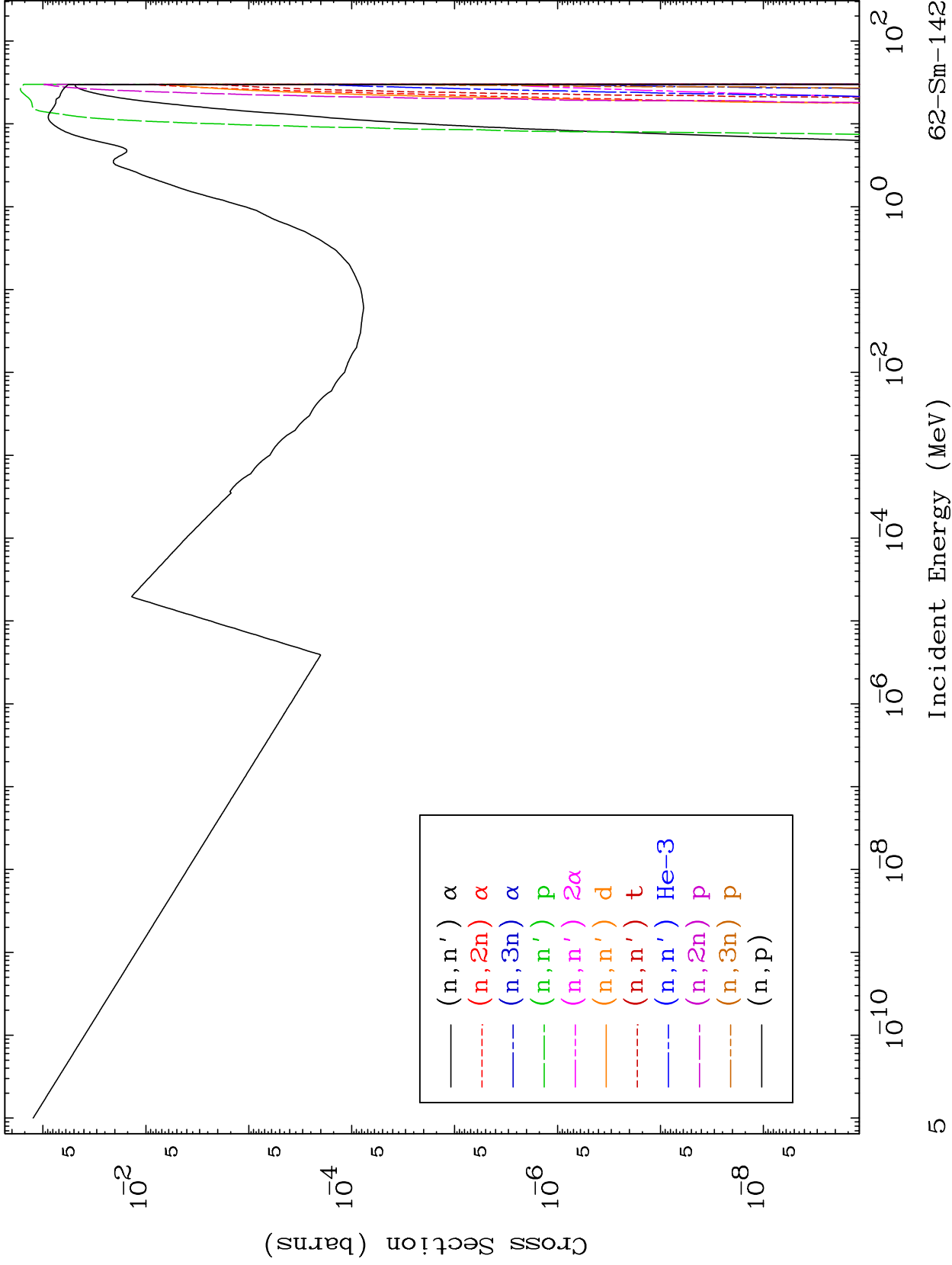
62-Sm-142



MAT 6219

Charged Particle
293 Kelvin Cross Sections

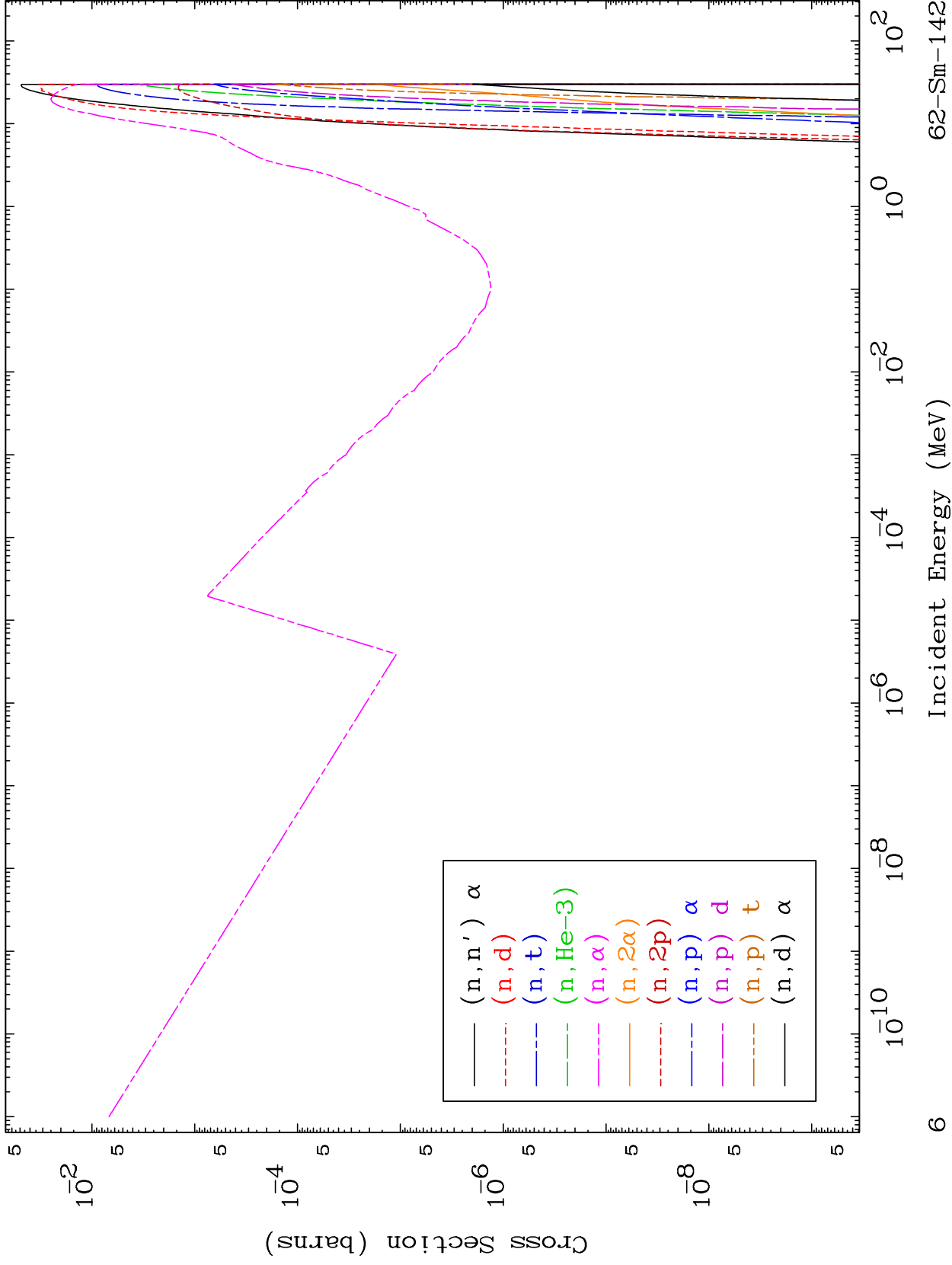
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MAT 6219

Charged Particle
293 Kelvin Cross Sections

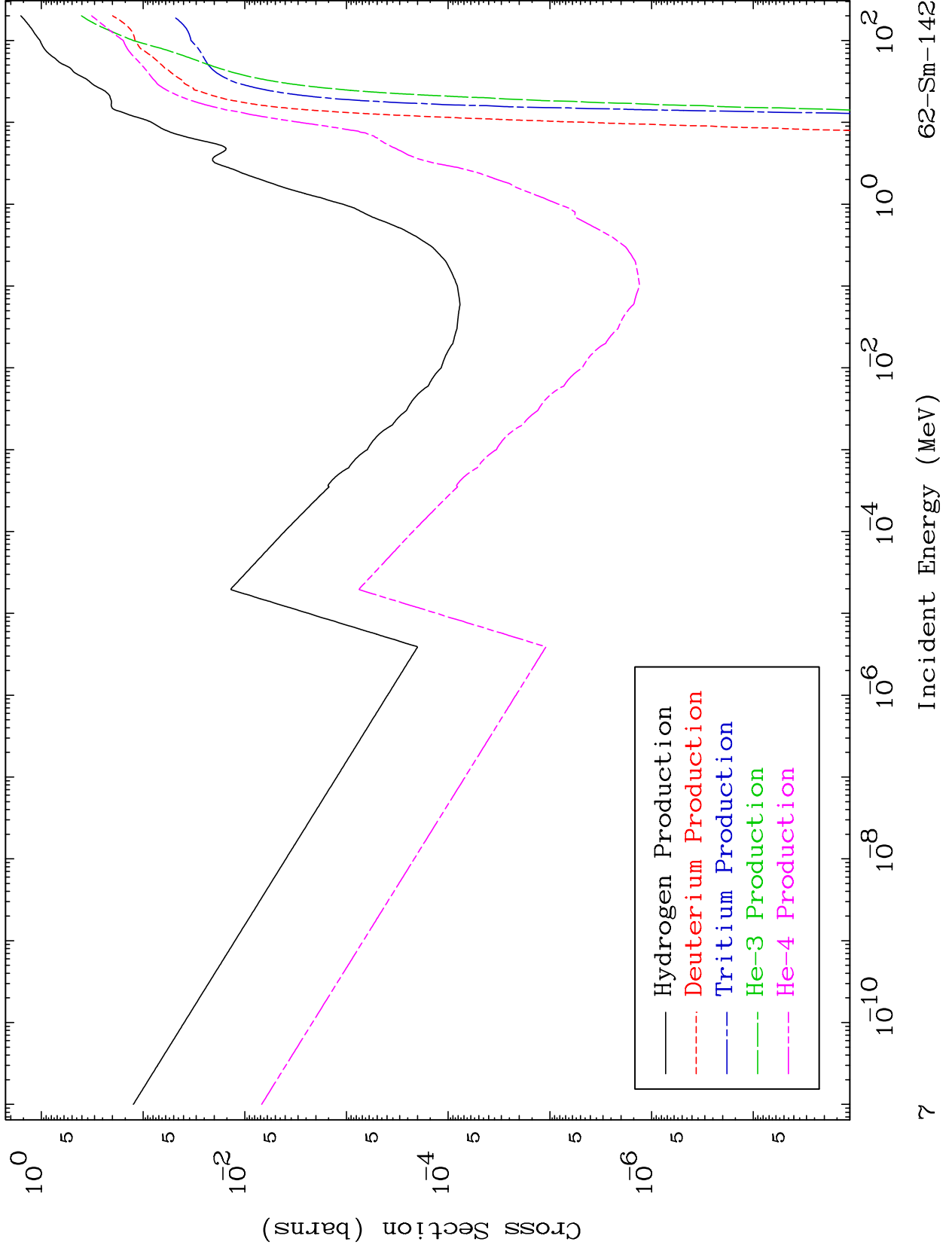
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MAT 6219

Particle Production
293 Kelvin Cross Sections

62-Sm-142

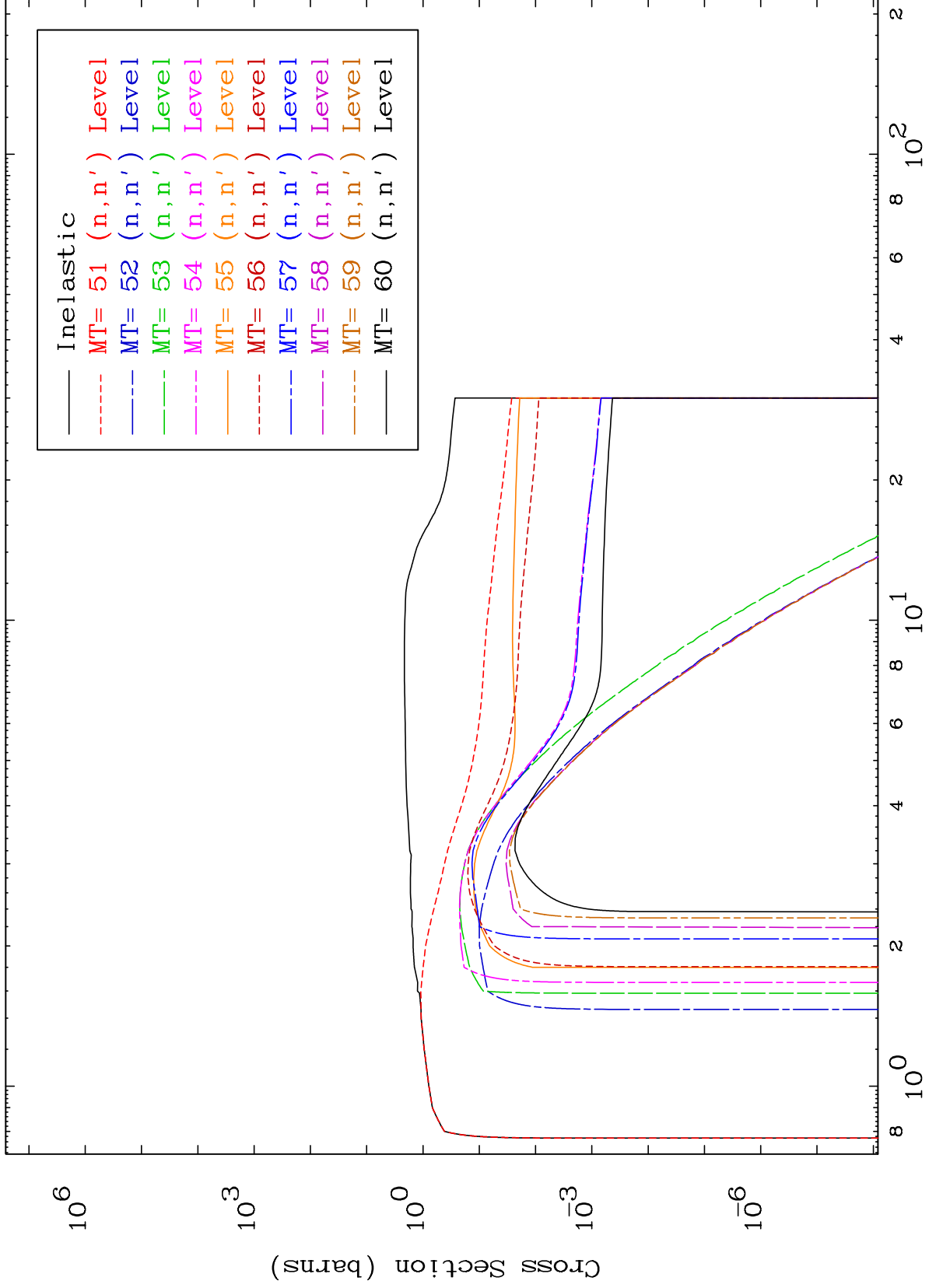


MAT 6219

(n,n') Levels

62-Sm-142

293 Kelvin Cross Sections



8

Incident Energy (MeV)

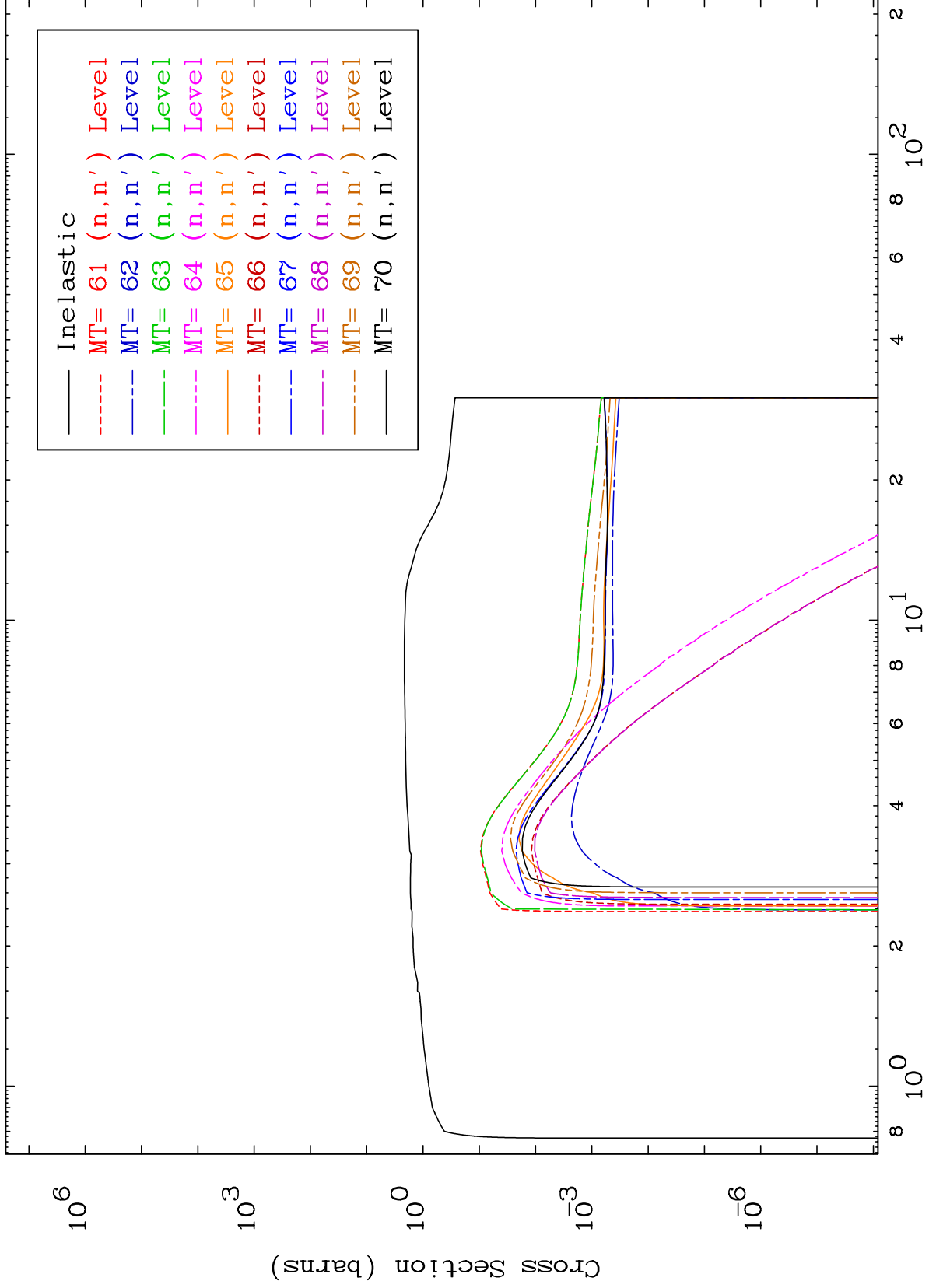
62-Sm-142

MAT 6219

(n,n') Levels

62-Sm-142

293 Kelvin Cross Sections



9

Incident Energy (MeV)

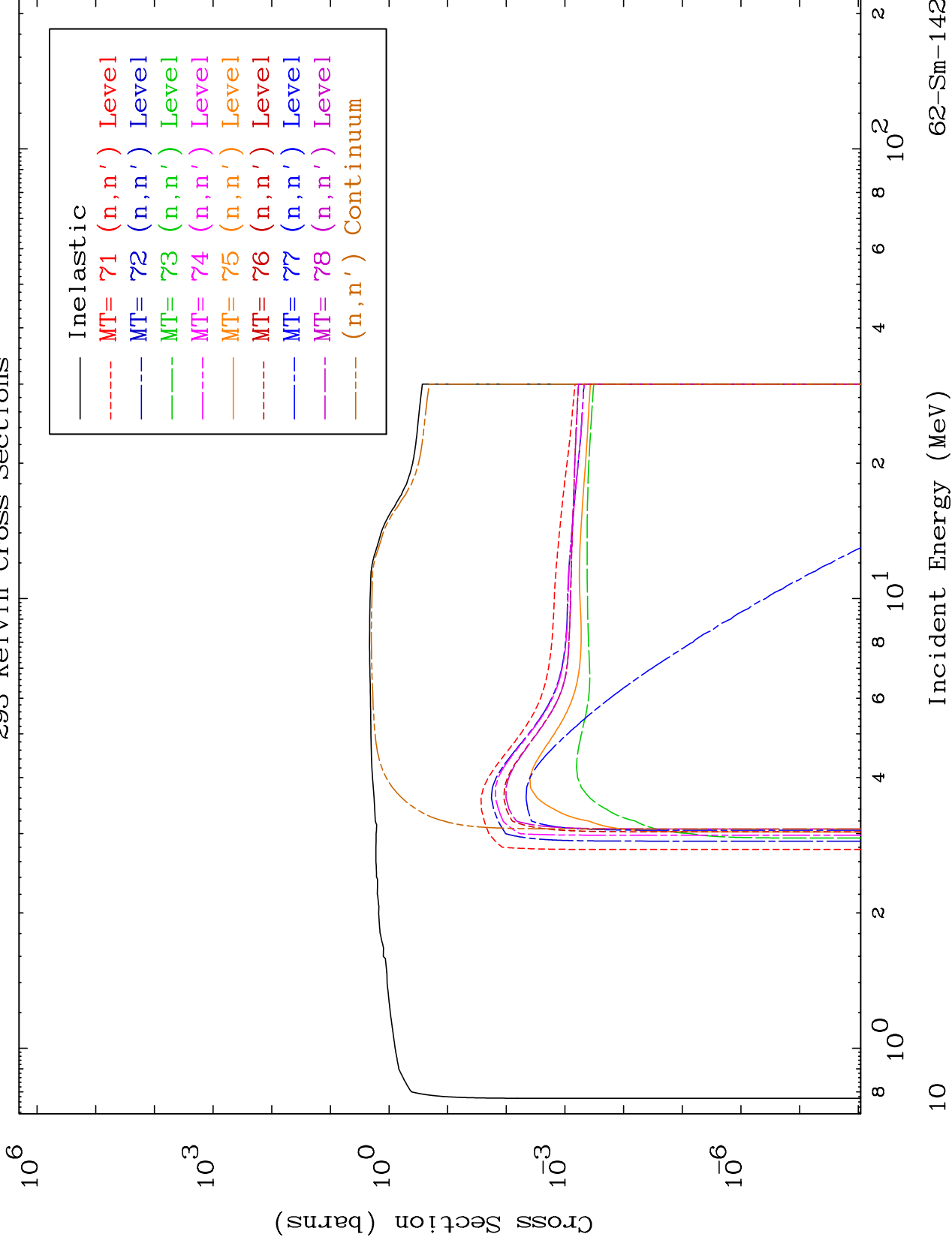
62-Sm-142

MAT 6219

(n,n') Levels

62-Sm-142

293 Kelvin Cross Sections



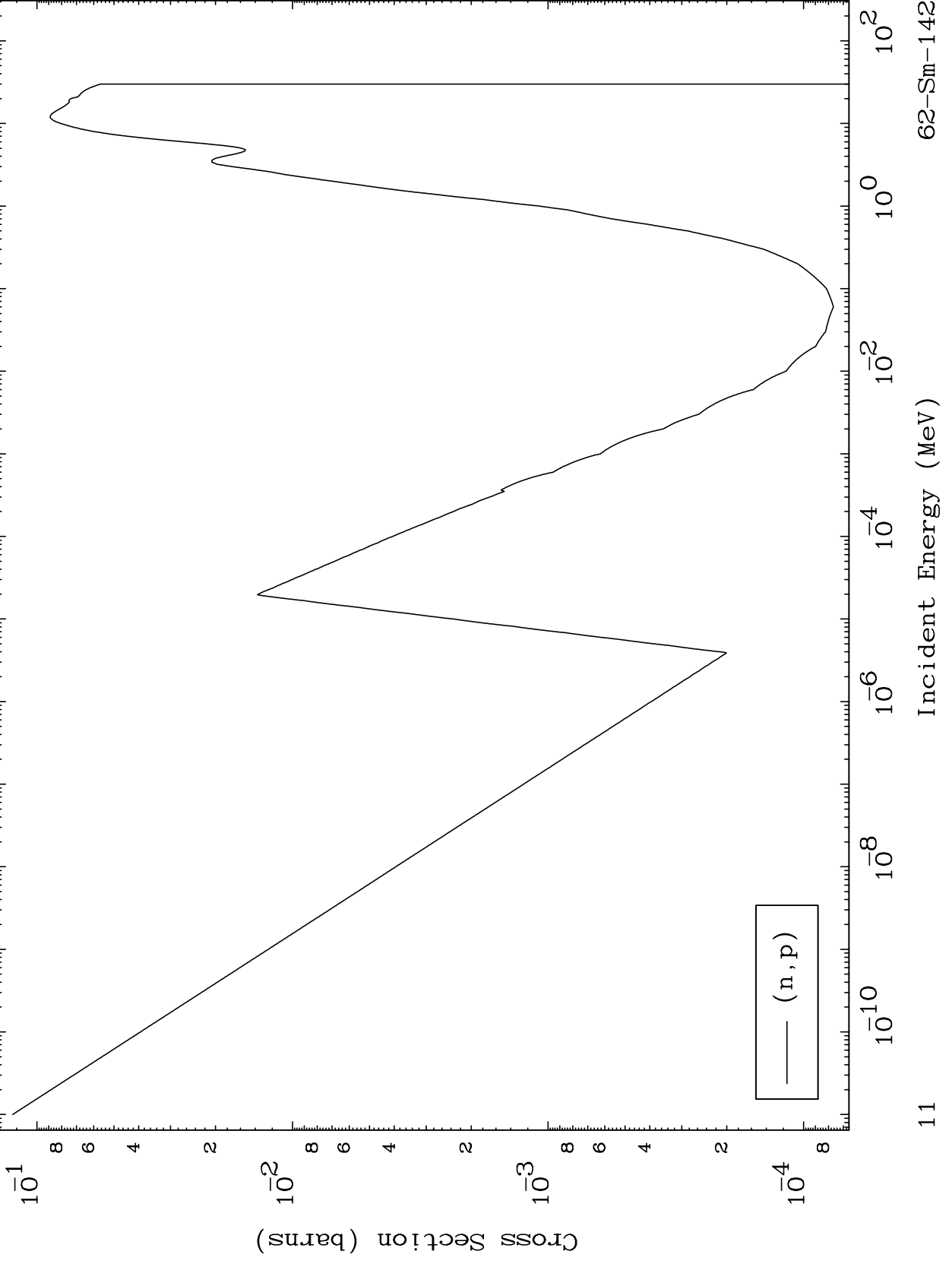
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,p) Levels
293 Kelvin Cross Sections

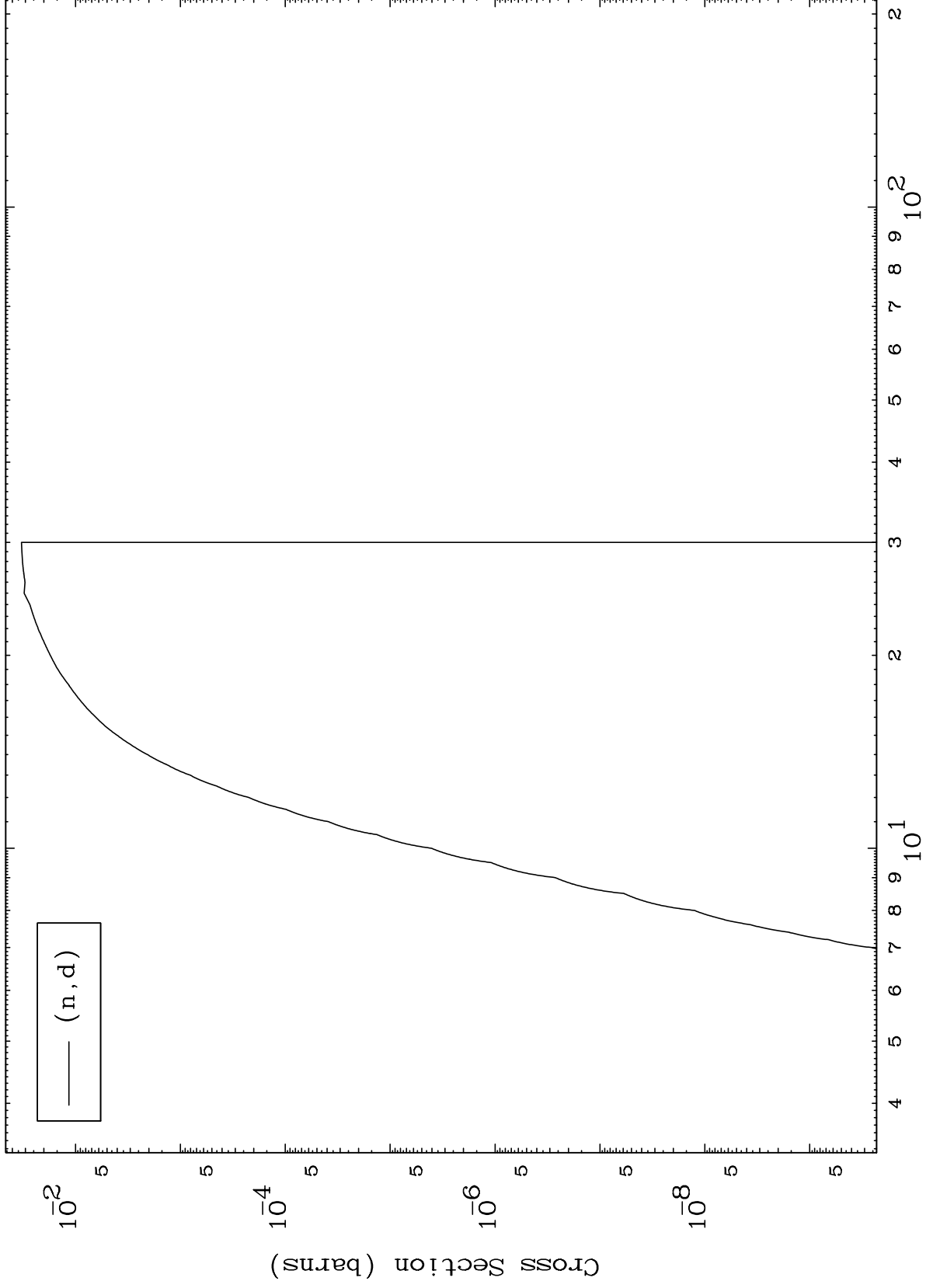
62-Sm-142



MAT 6219

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-142



12

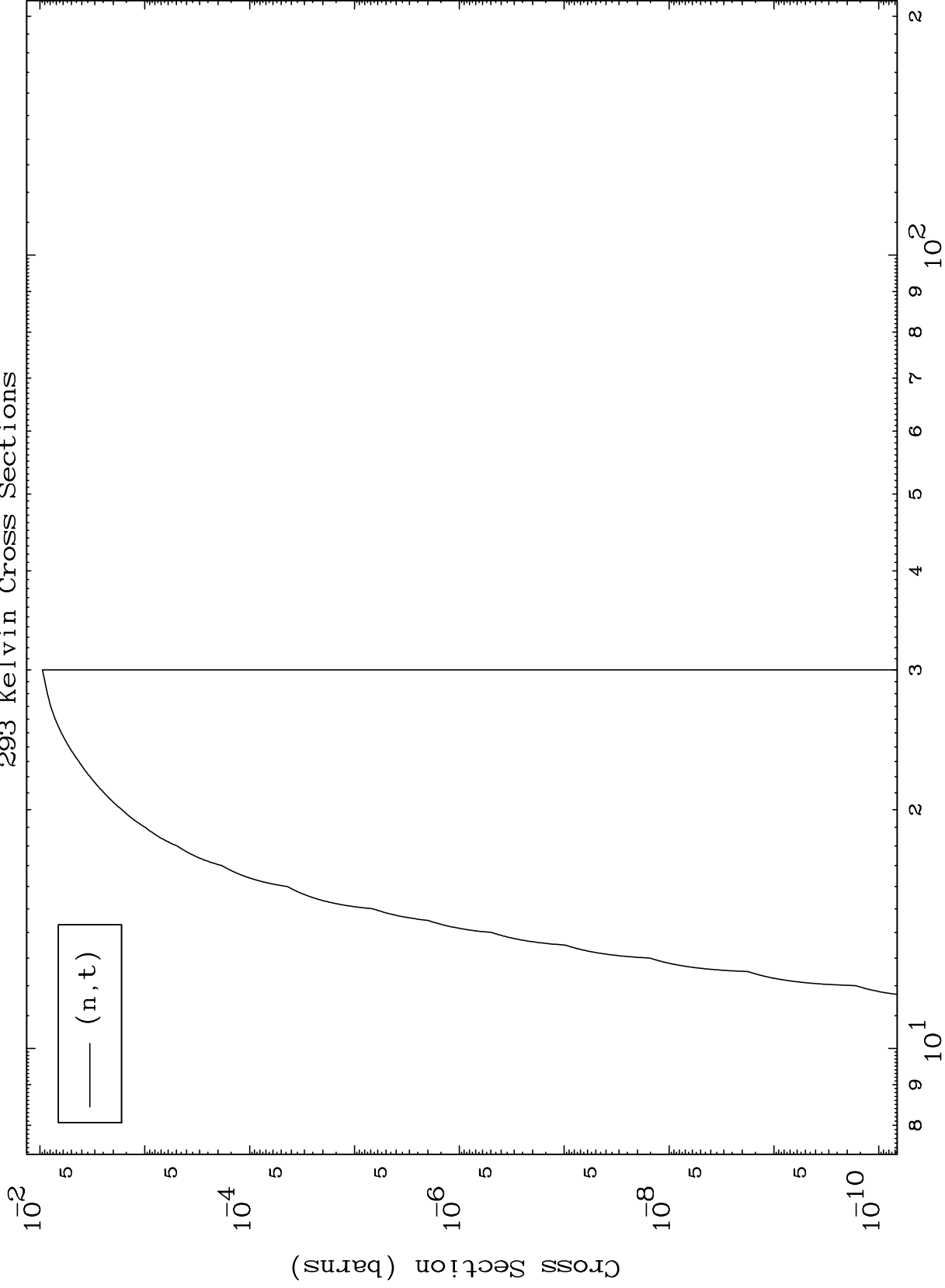
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-142



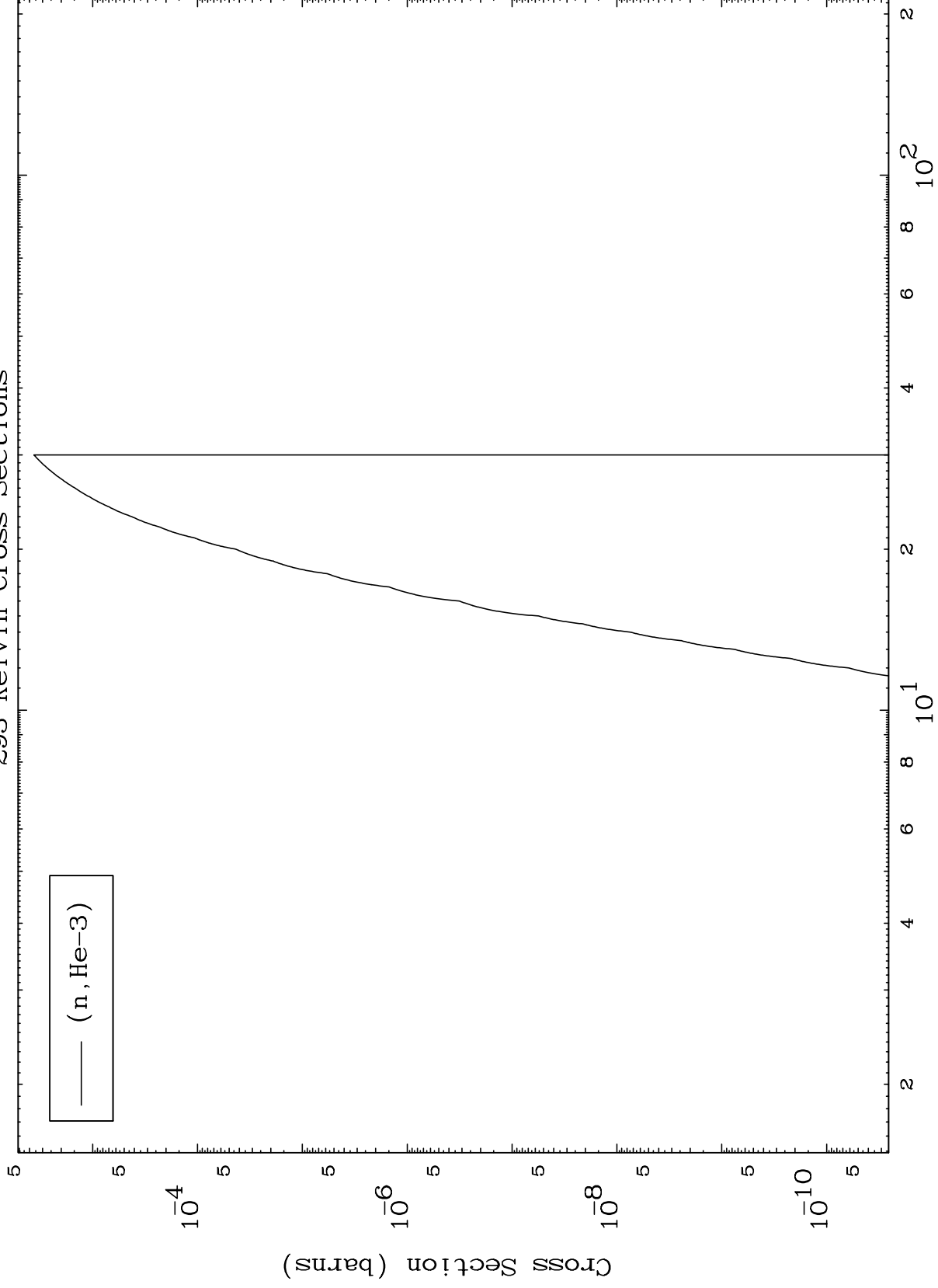
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62-Sm-142

MAT 6219

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-142



14

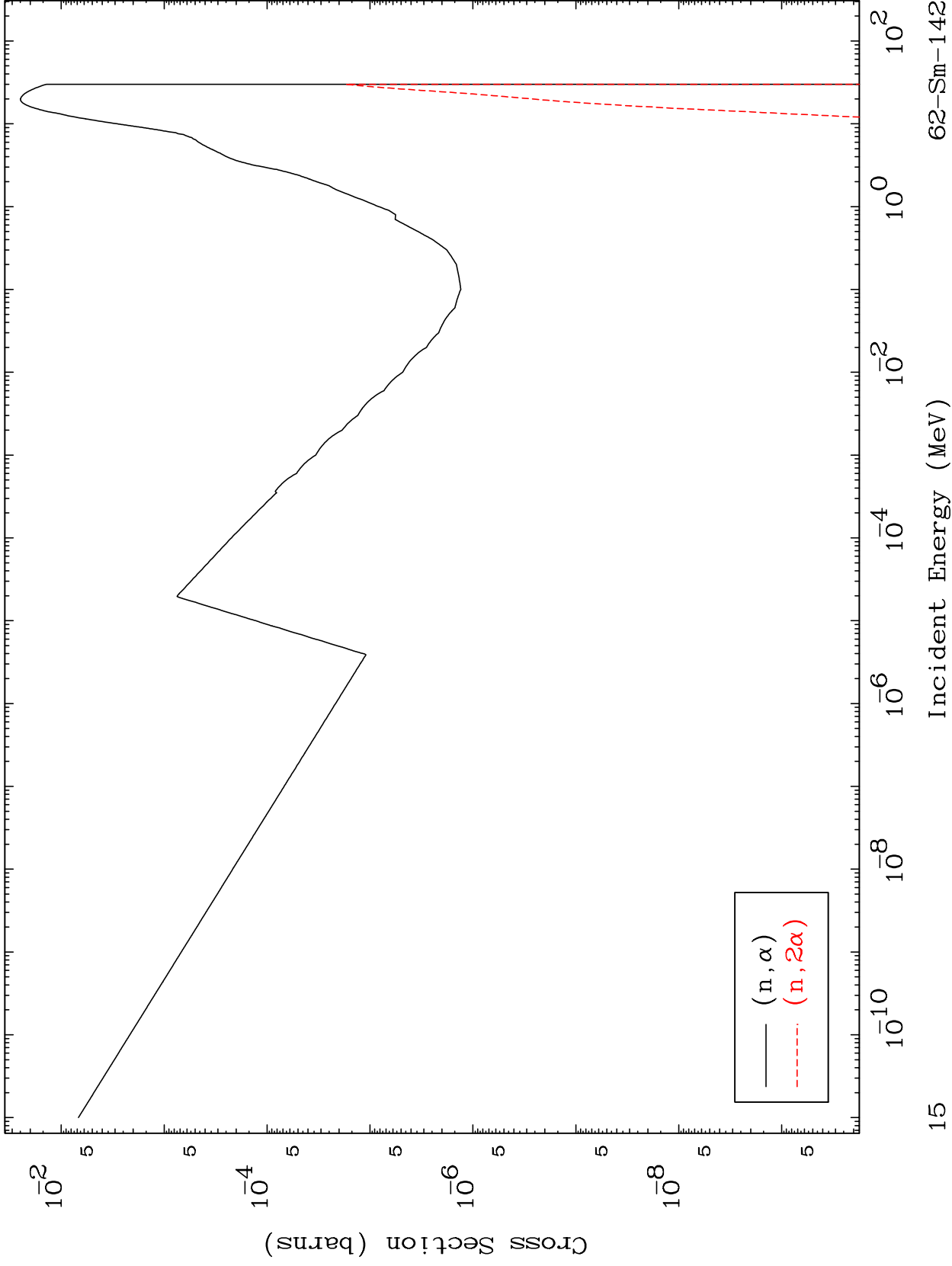
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n, α) Levels
293 Kelvin Cross Sections

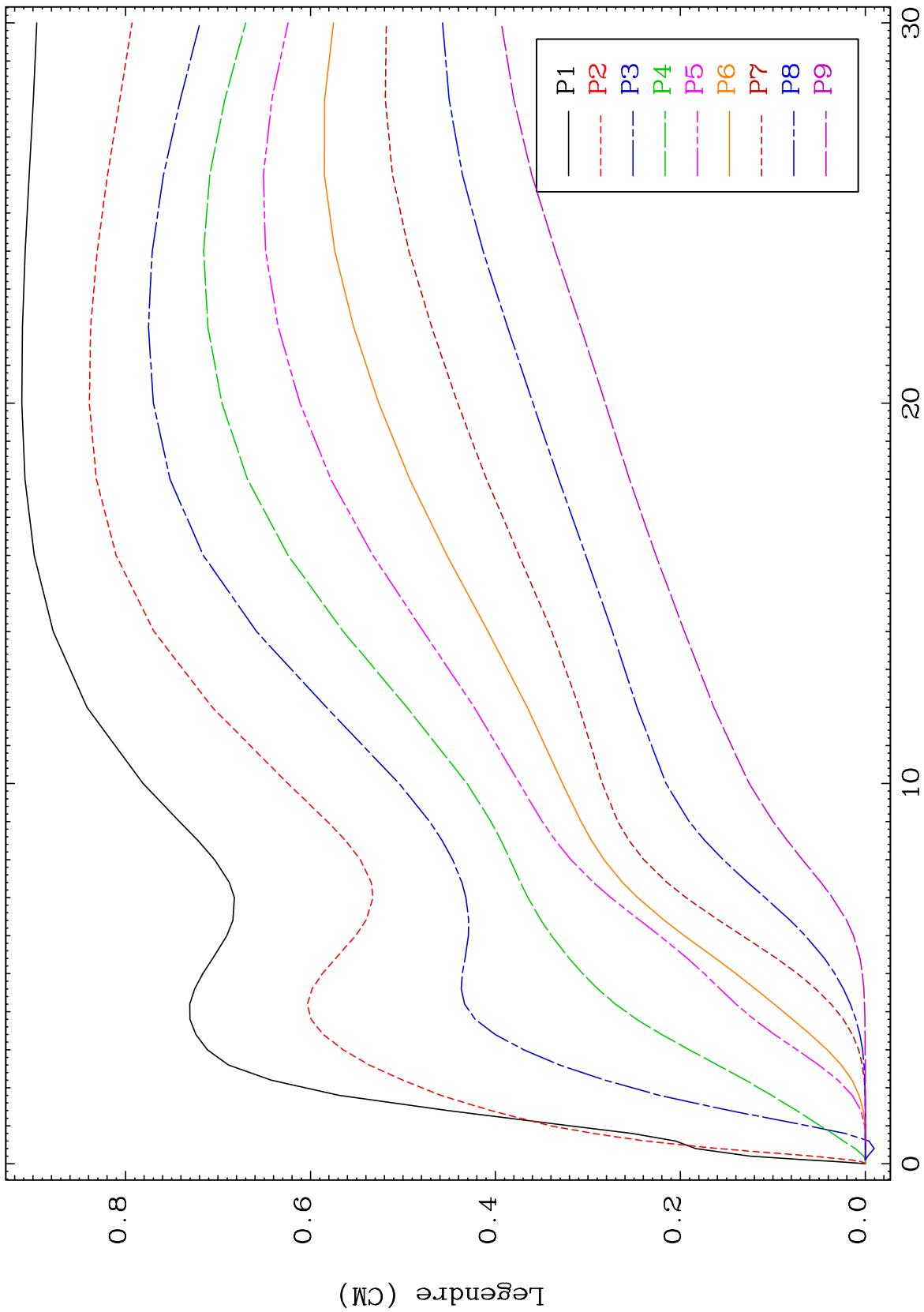
62-Sm-142



MAT 6219

Elastic Legendre Coefficients

62-Sm-142



16

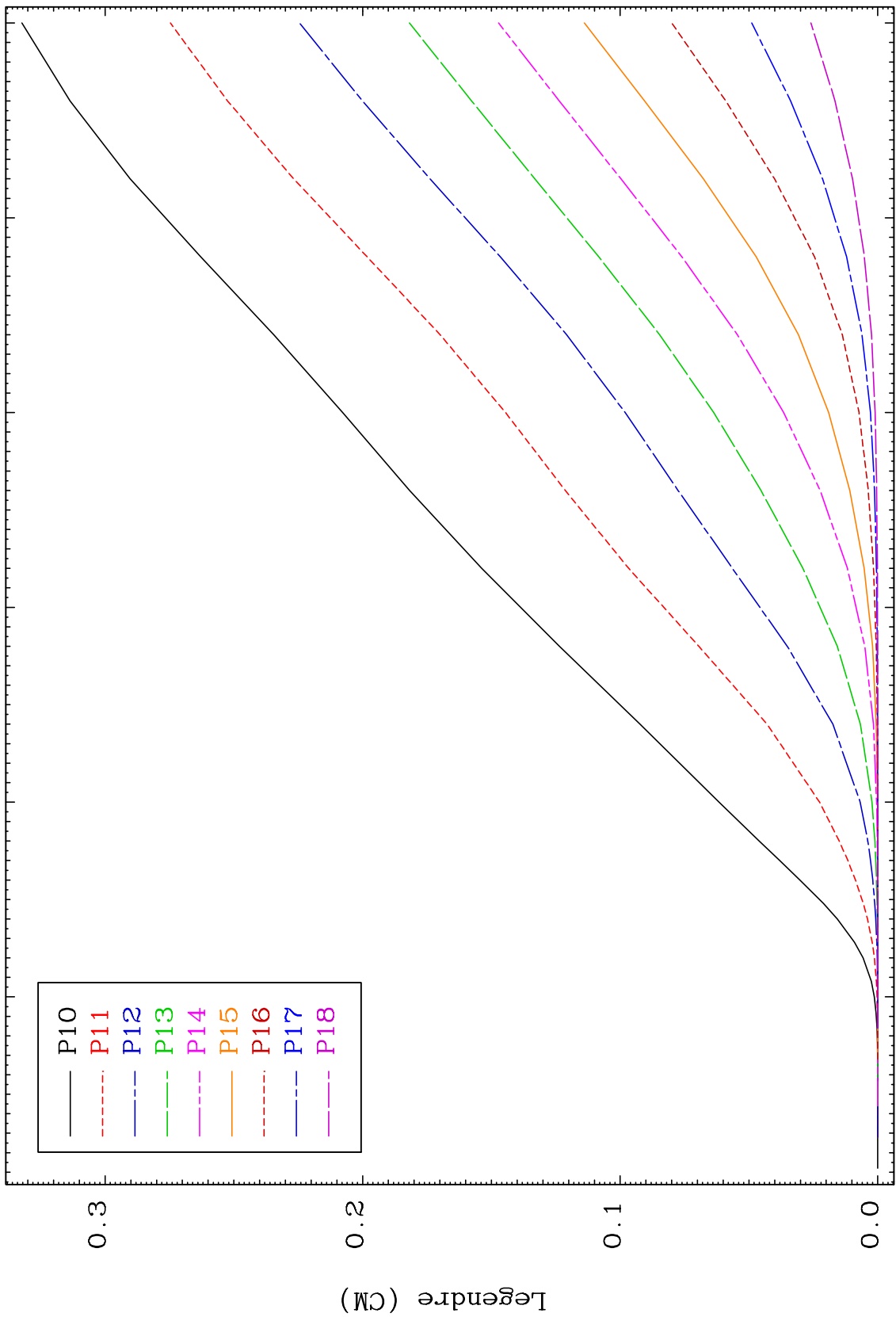
Incident Energy (MeV)

62-Sm-142

MAT 6219

Elastic Legendre Coefficients

62-Sm-142



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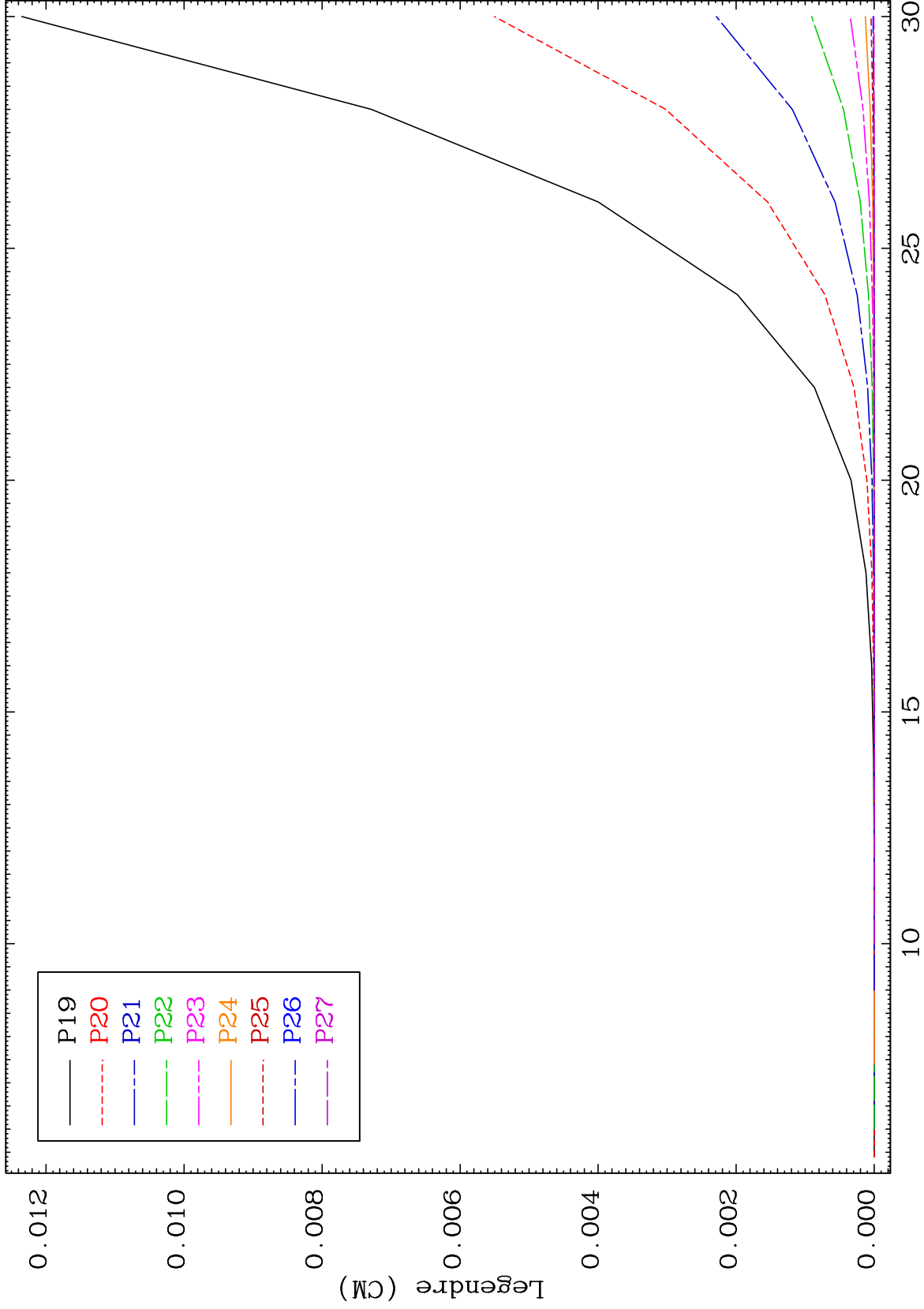
Incident Energy (MeV)

62-Sm-142

MAT 6219

Elastic Legendre Coefficients

62-Sm-142



18

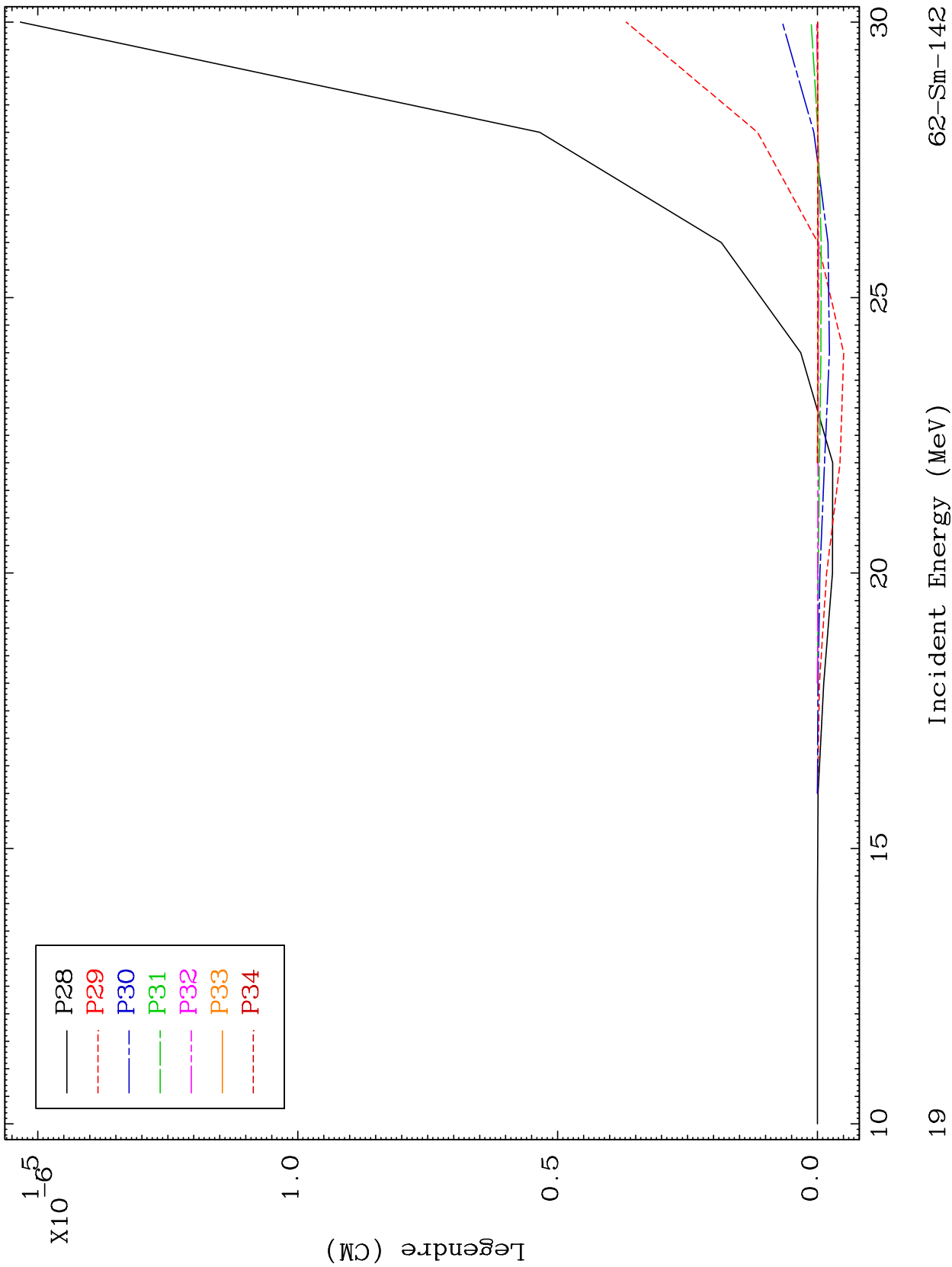
Incident Energy (MeV)

62-Sm-142

MAT 6219

Elastic
Legendre Coefficients

62-Sm-142

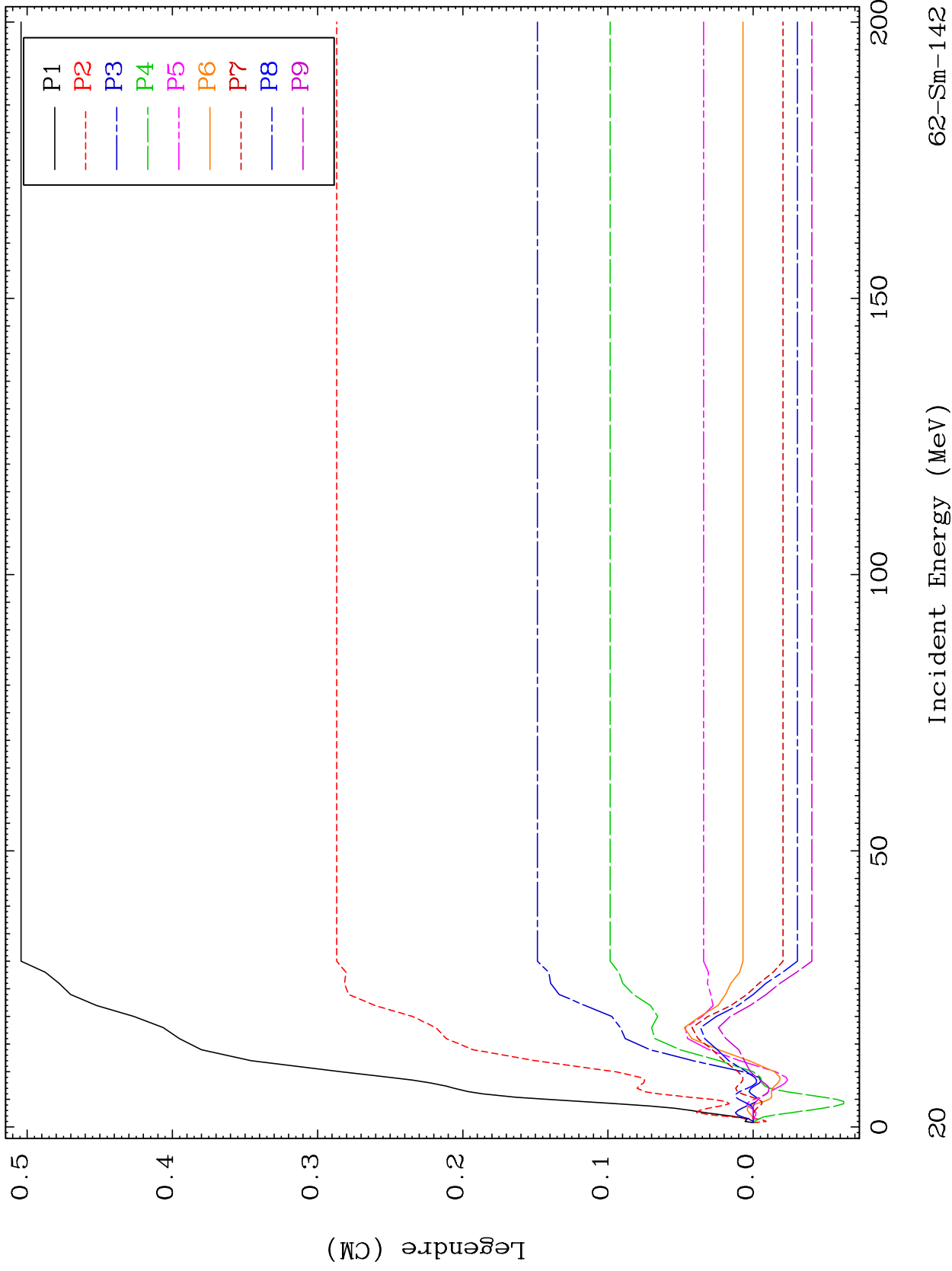


- P28
- P29
- P30
- P31
- P32
- P33
- P34

MAT 6219

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

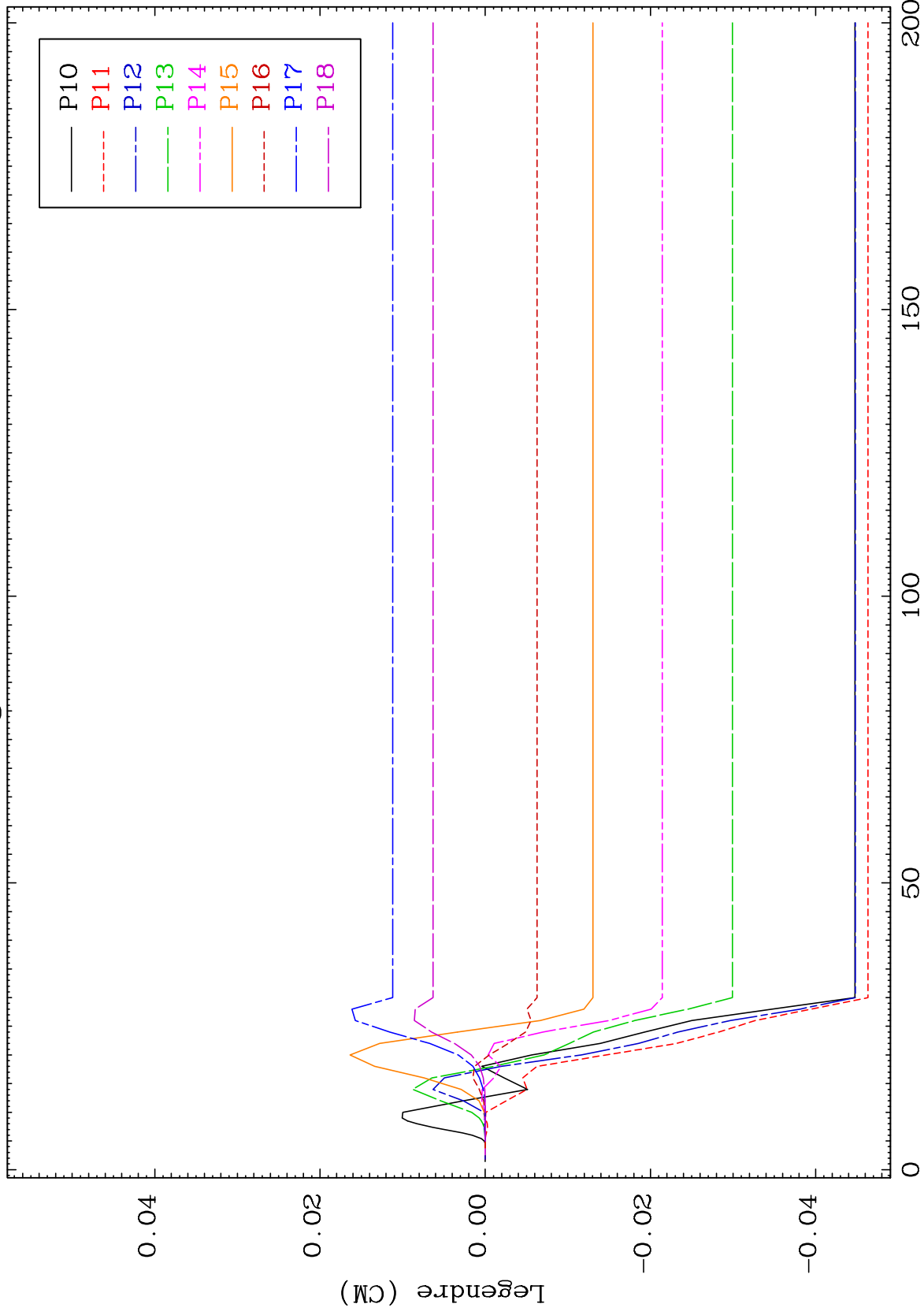
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MAT 6219

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

62-Sm-142



21

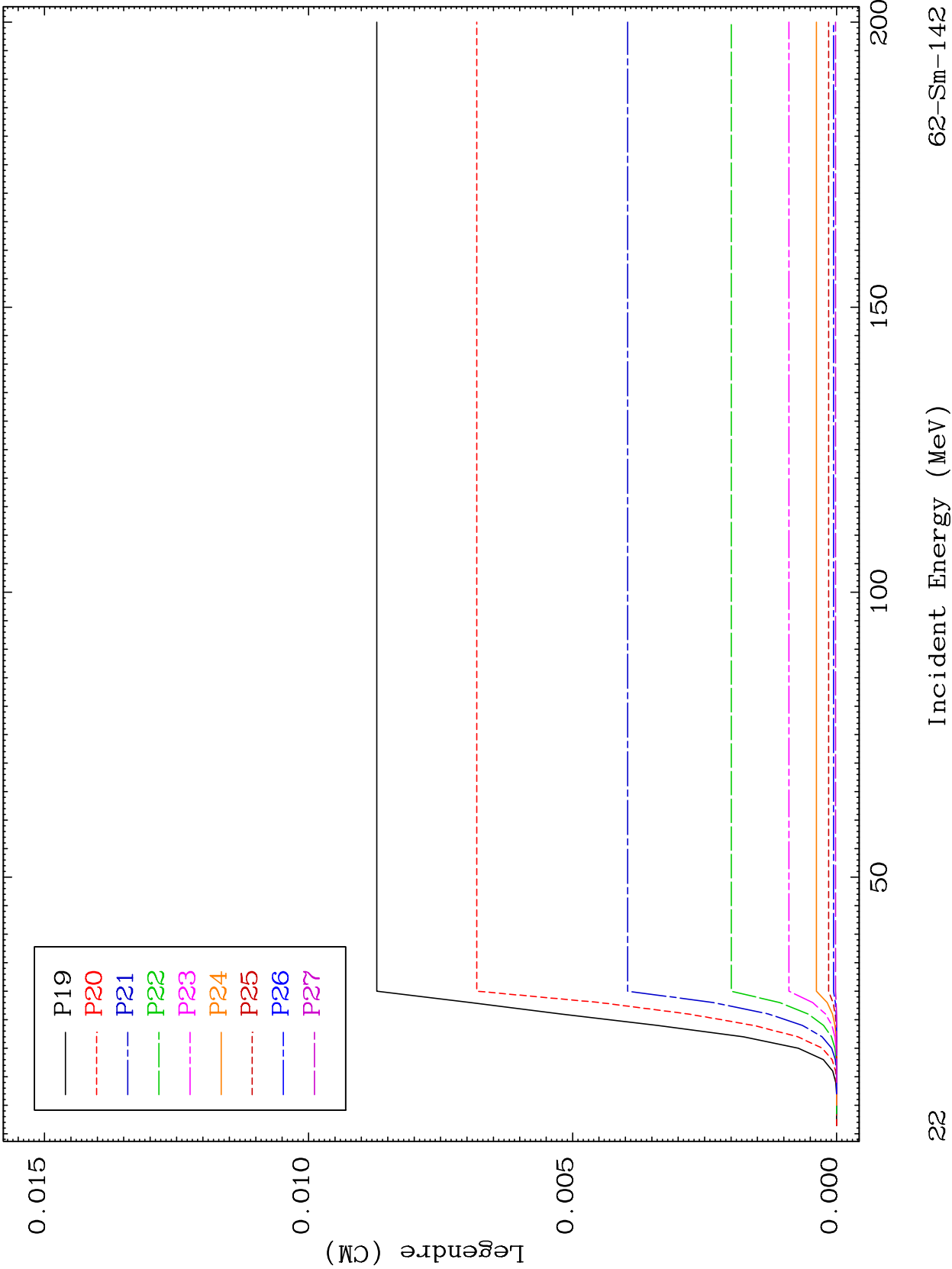
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

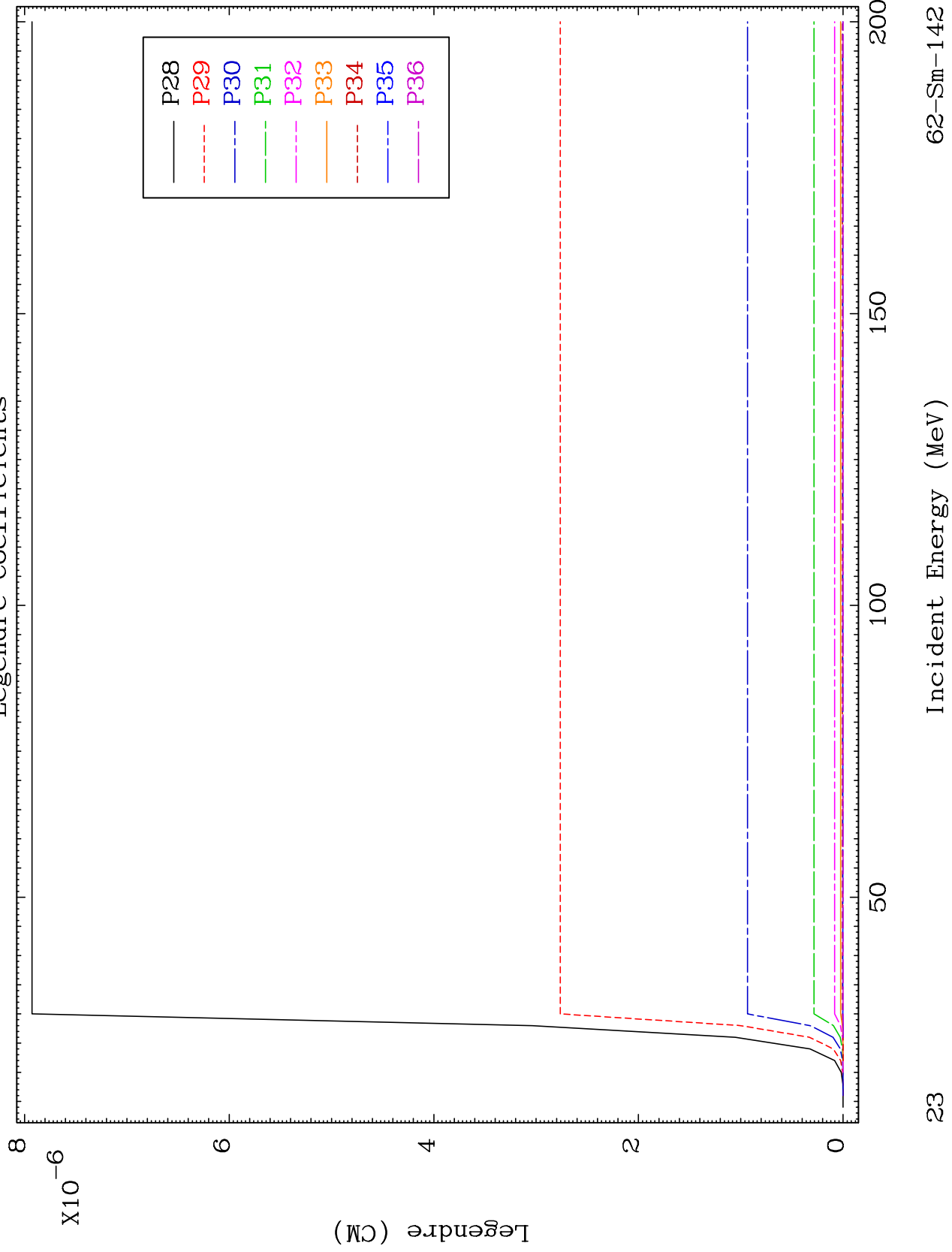
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MAT 6219

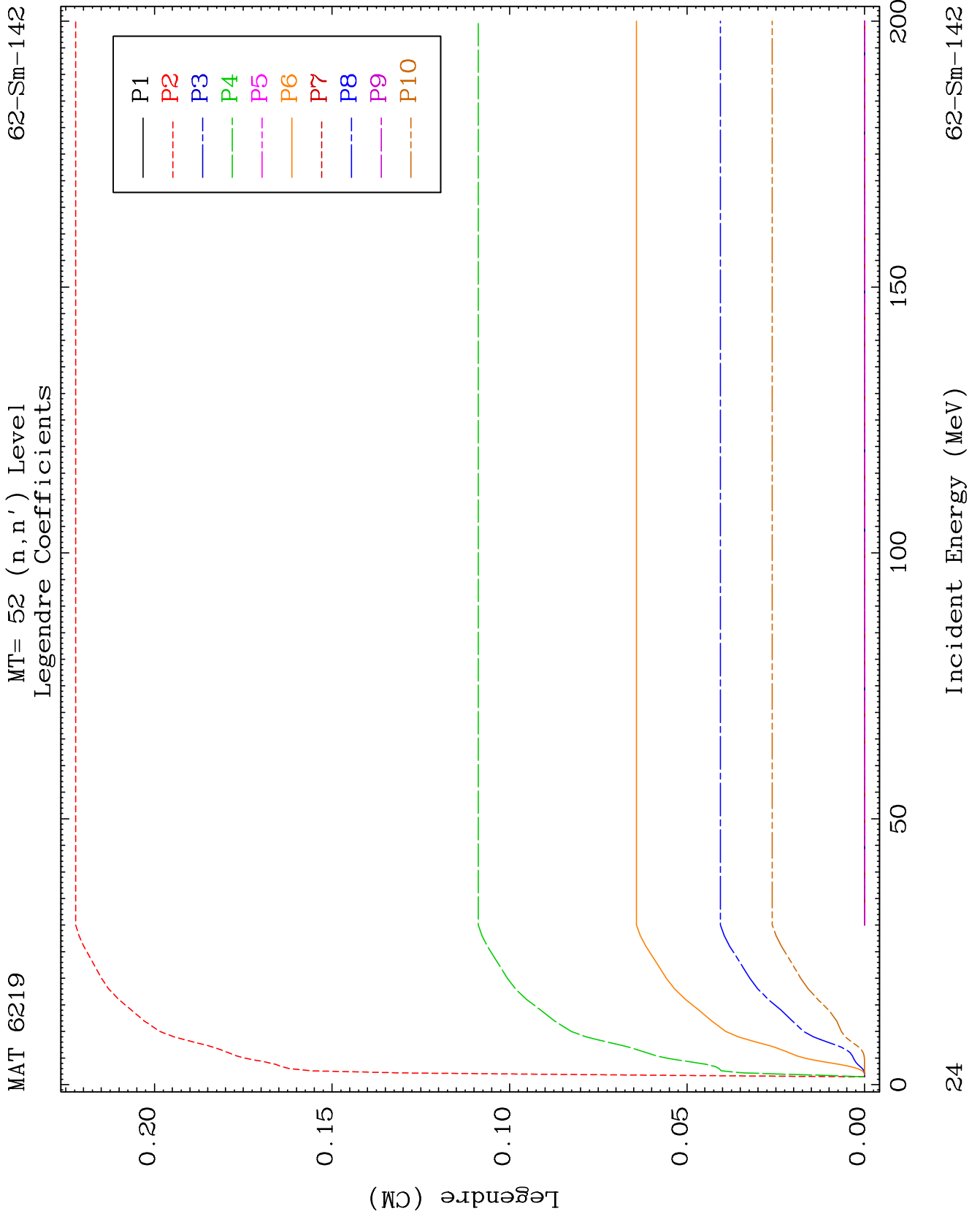
MT= 51 (n,n') Level
Legendre Coefficients

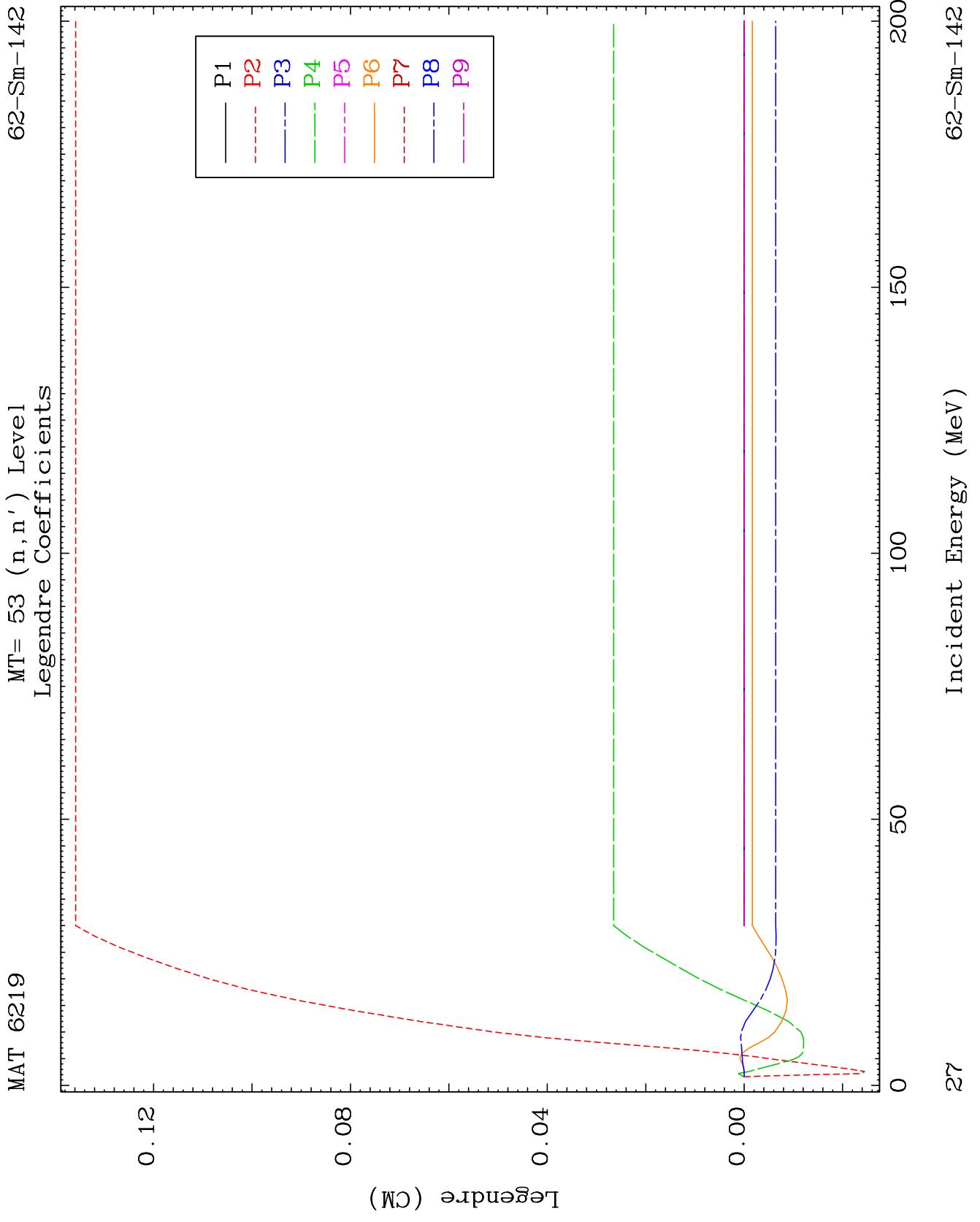
62-Sm-142



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62-Sm-142

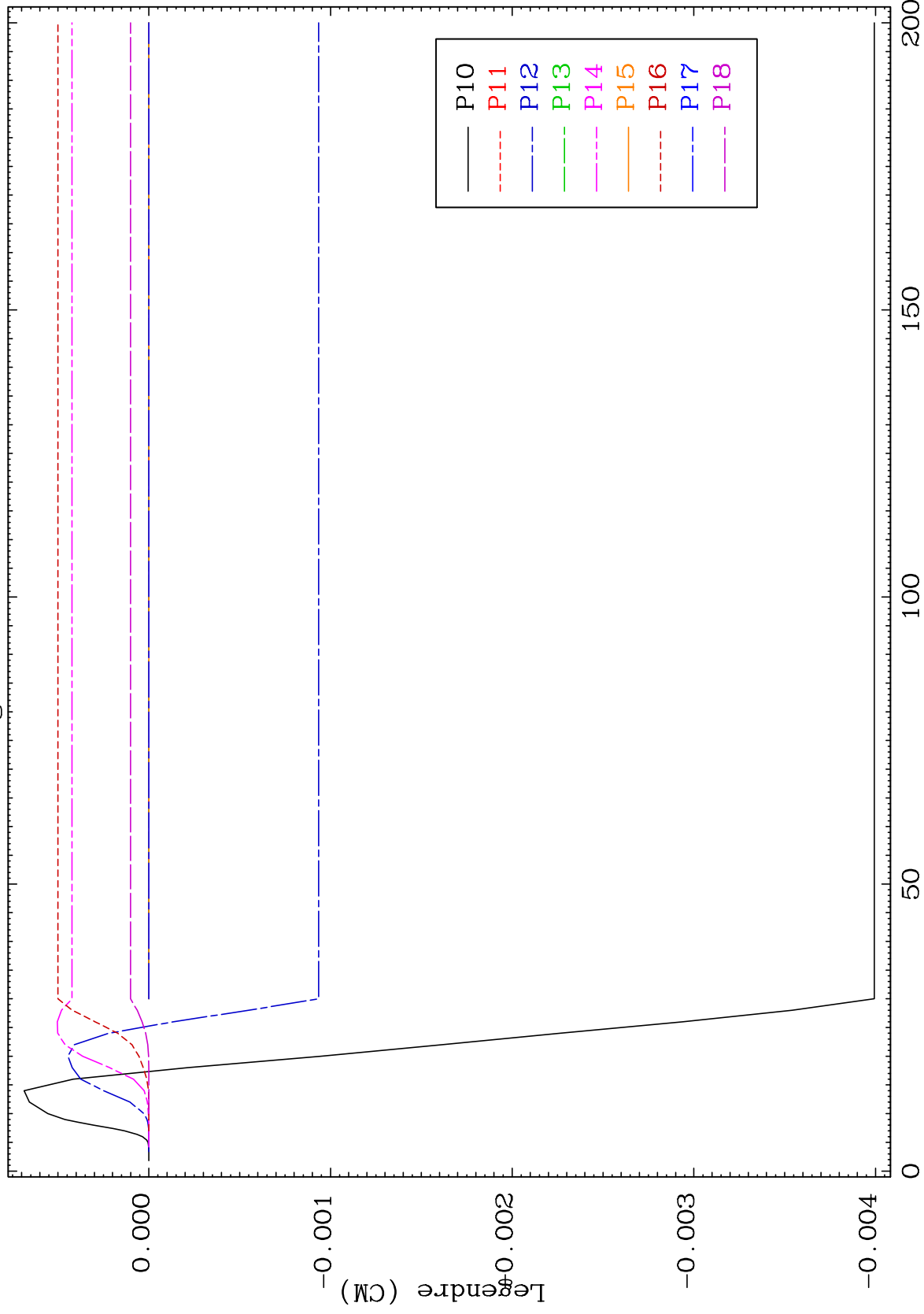




MAT 6219

62-Sm-142

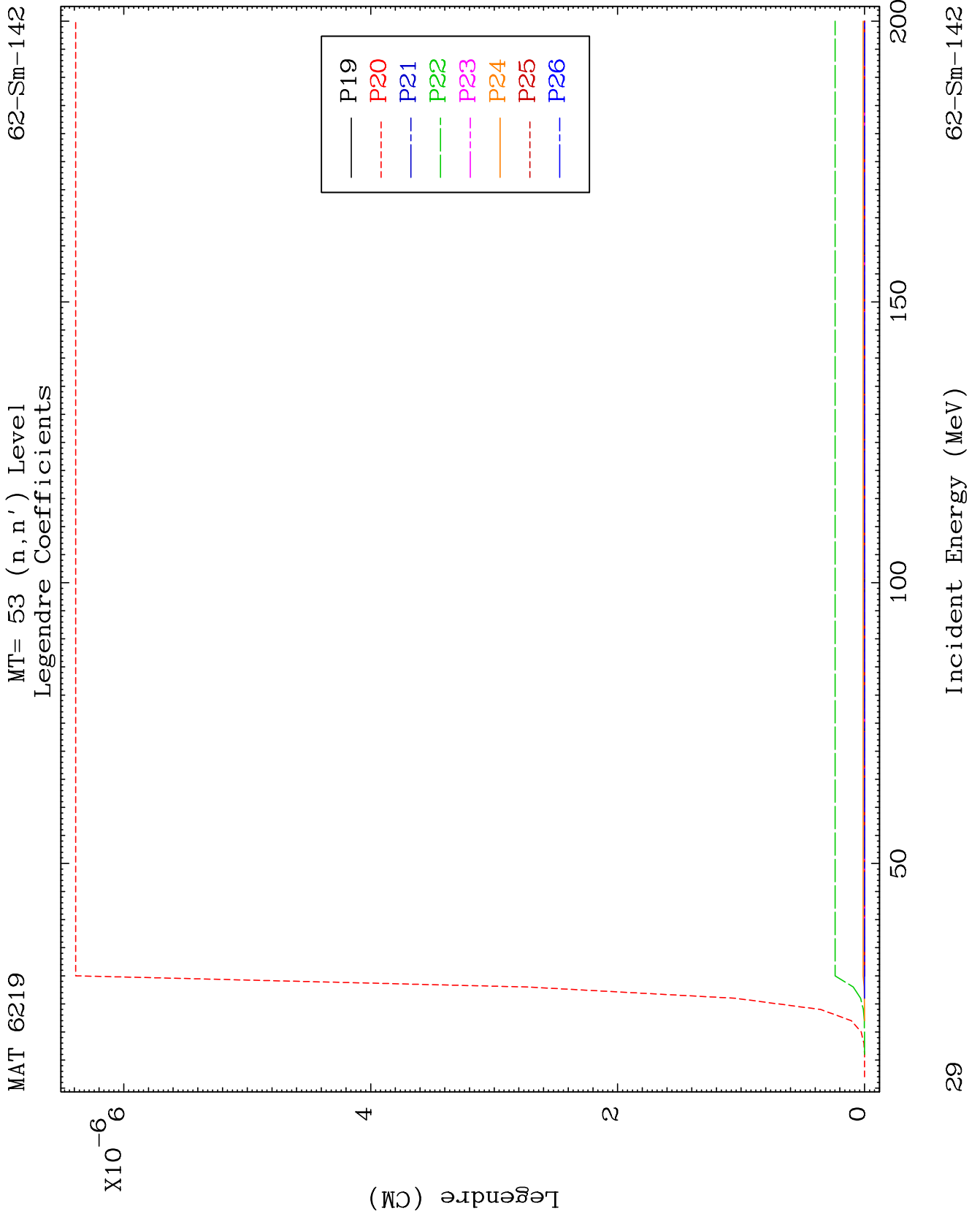
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Legendre Coefficients

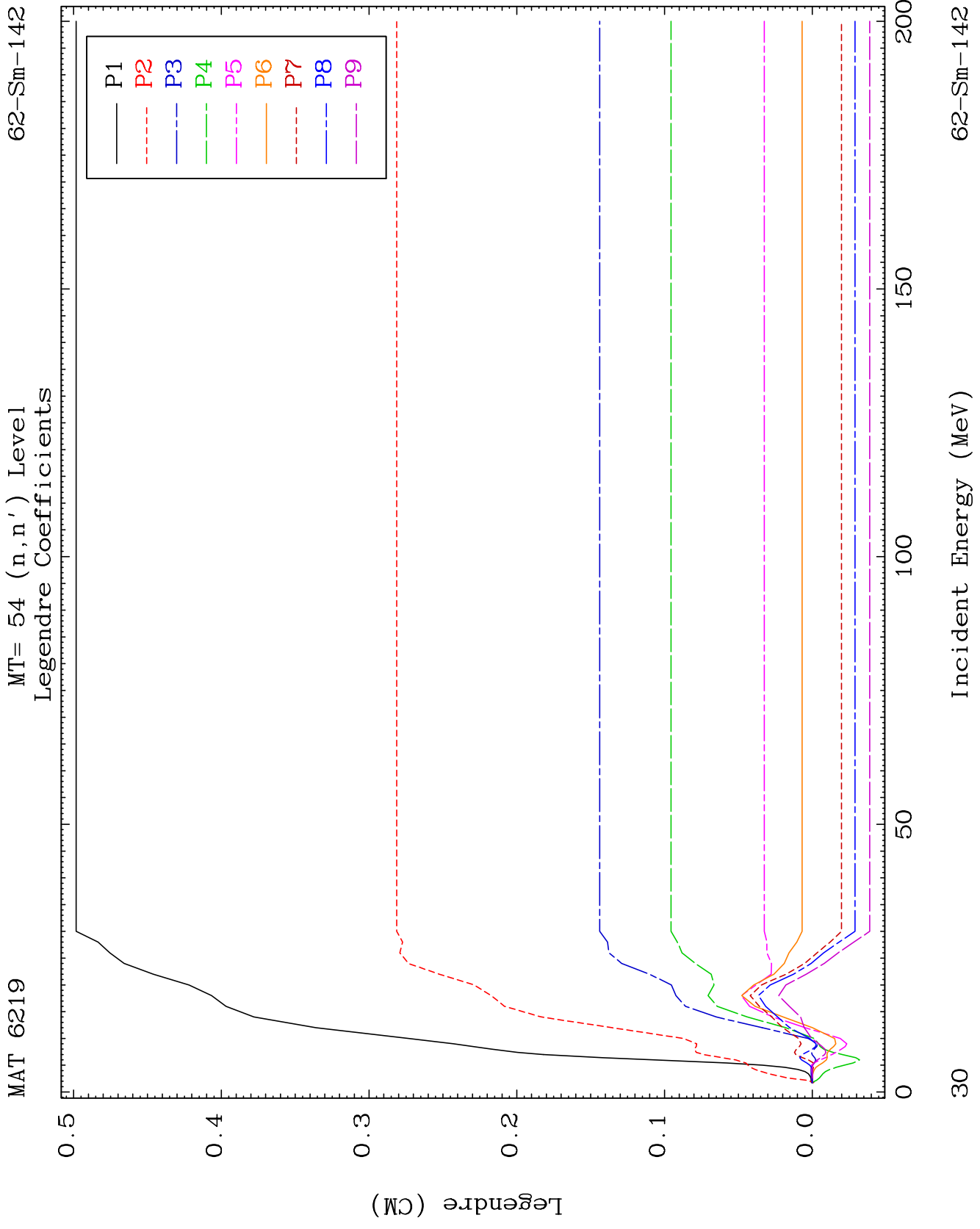


28

Incident Energy (MeV)

62-Sm-142

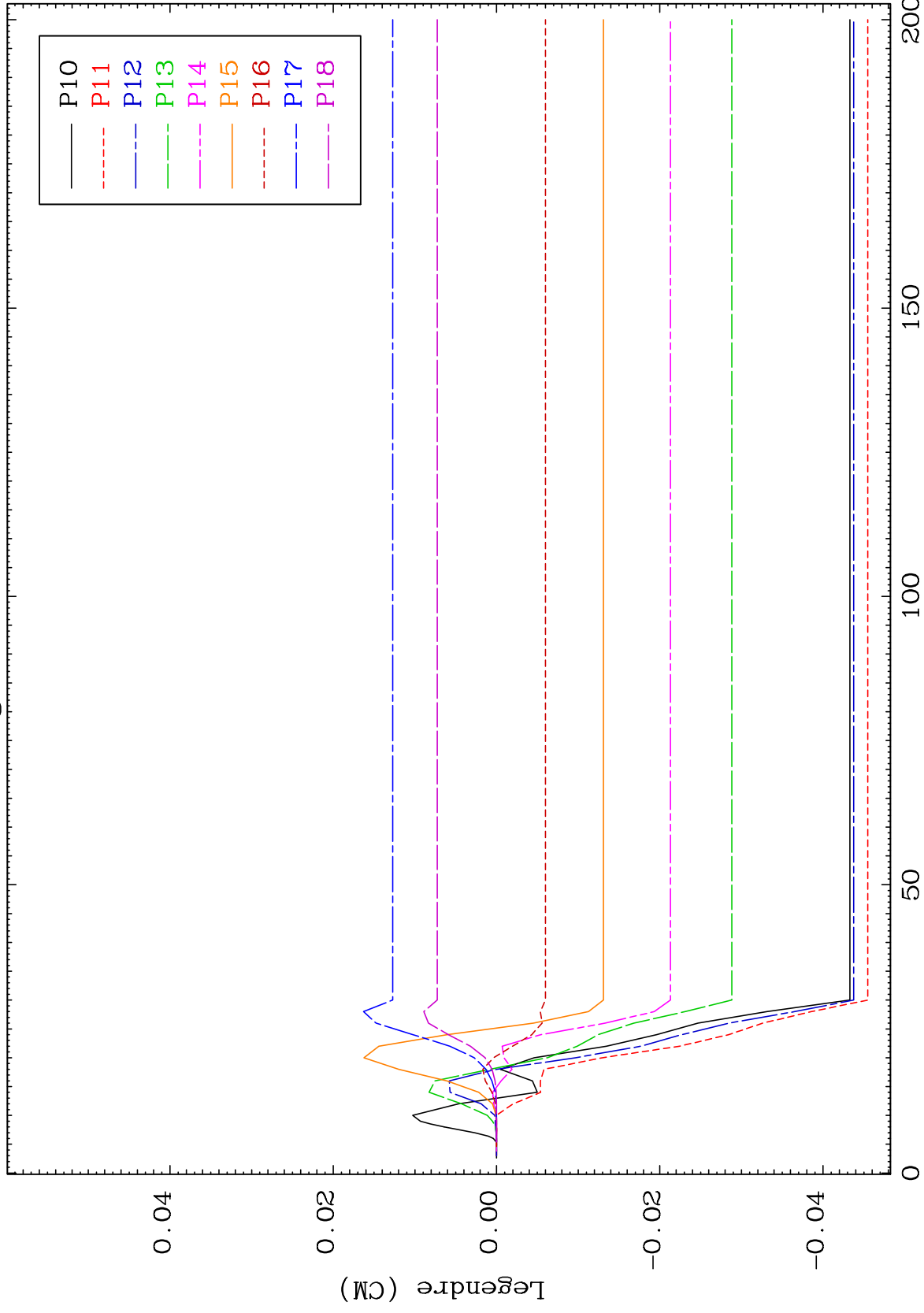




MAT 6219

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

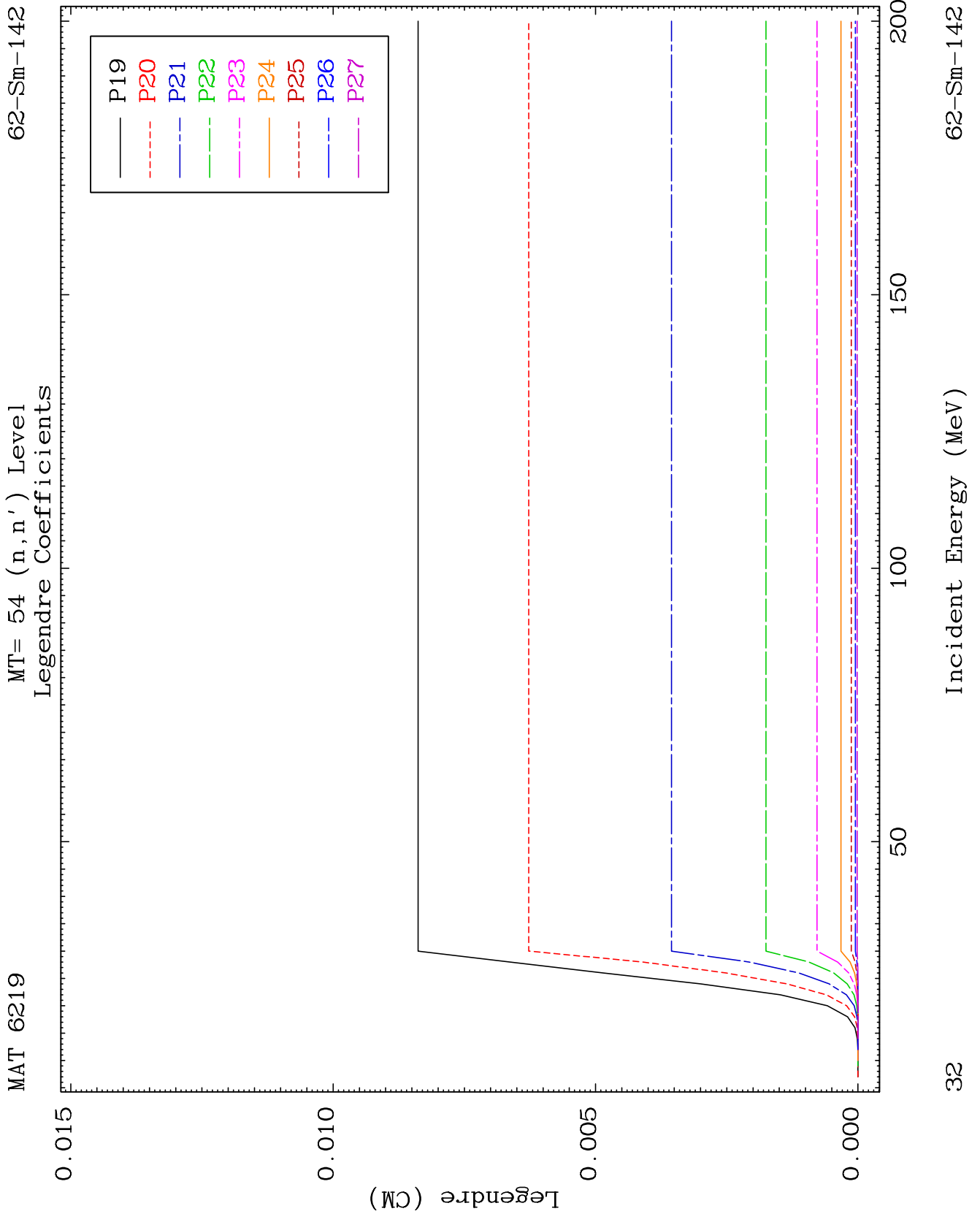
62-Sm-142



31

Incident Energy (MeV)

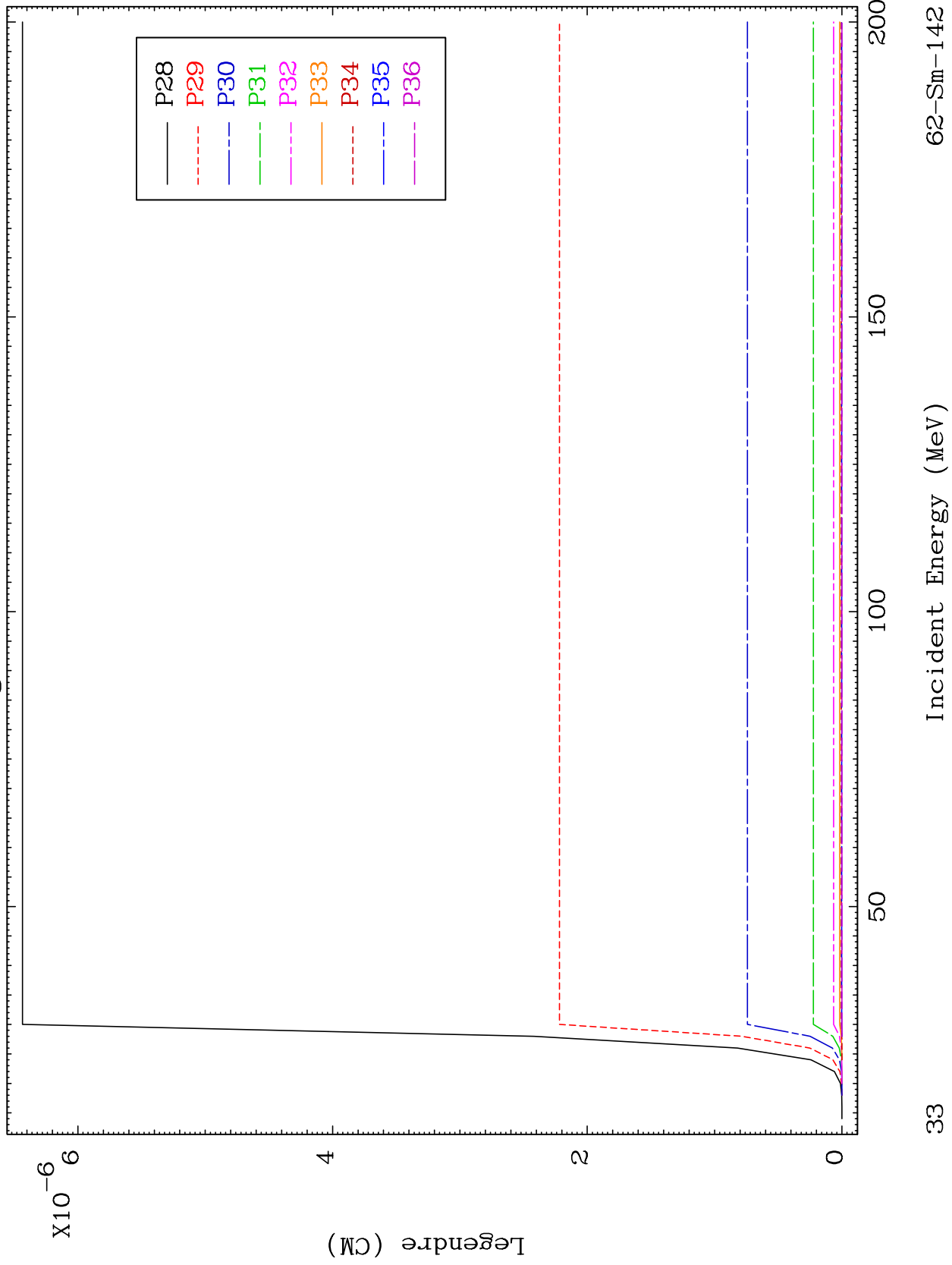
62-Sm-142



MAT 6219

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

62-Sm-142



33

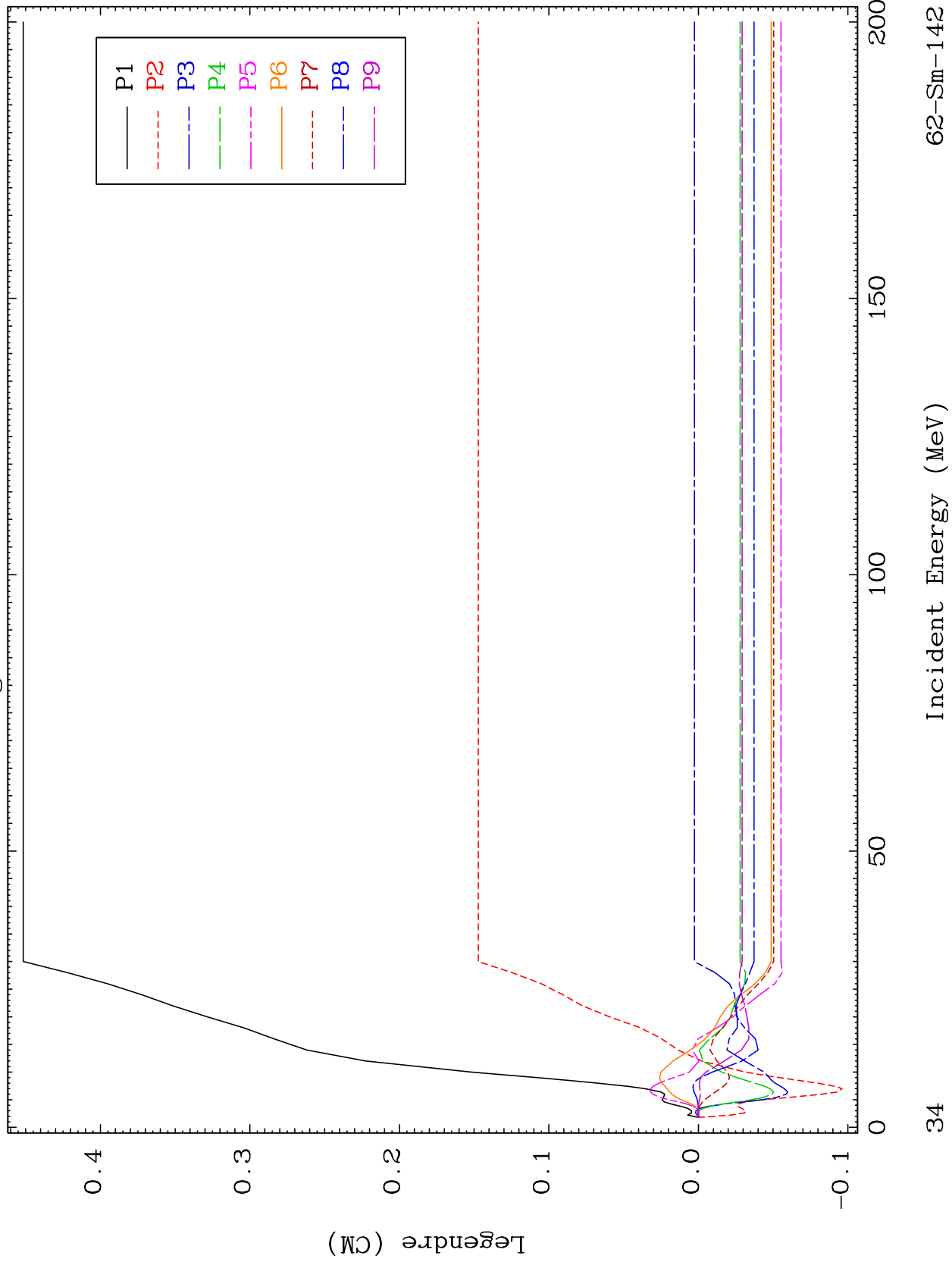
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



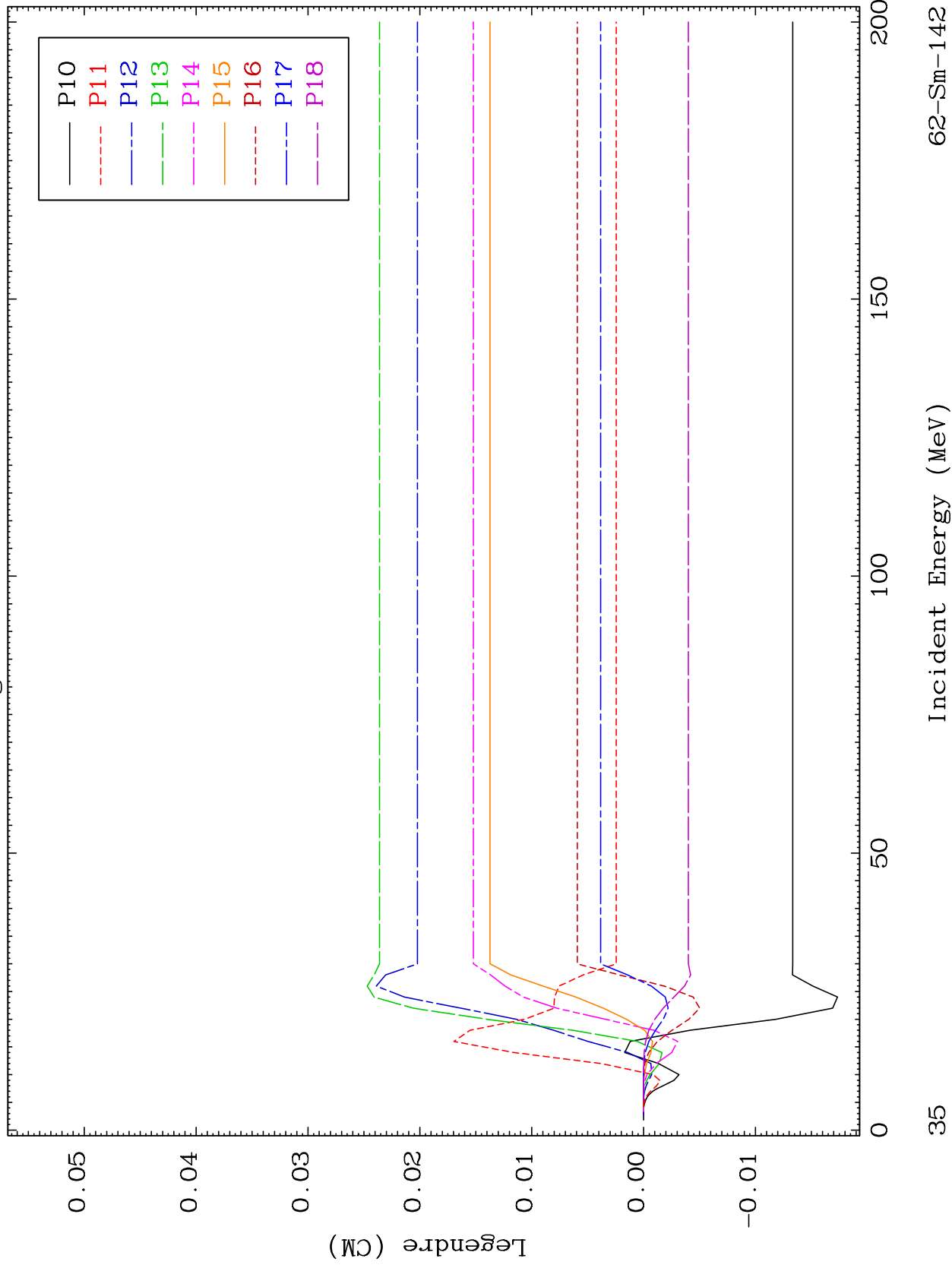
34

62-Sm-142

MAT 6219

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

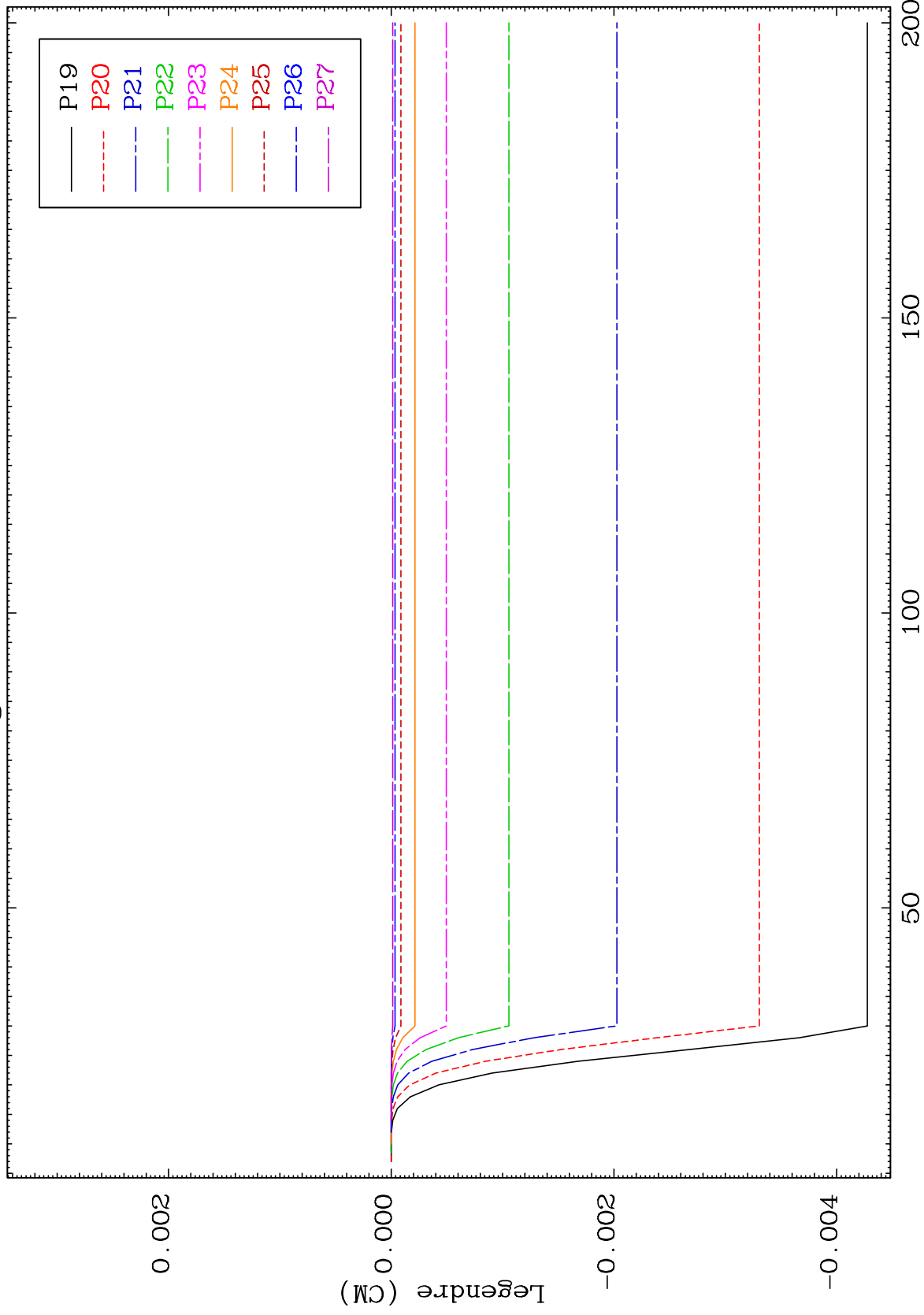
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MAT 6219

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

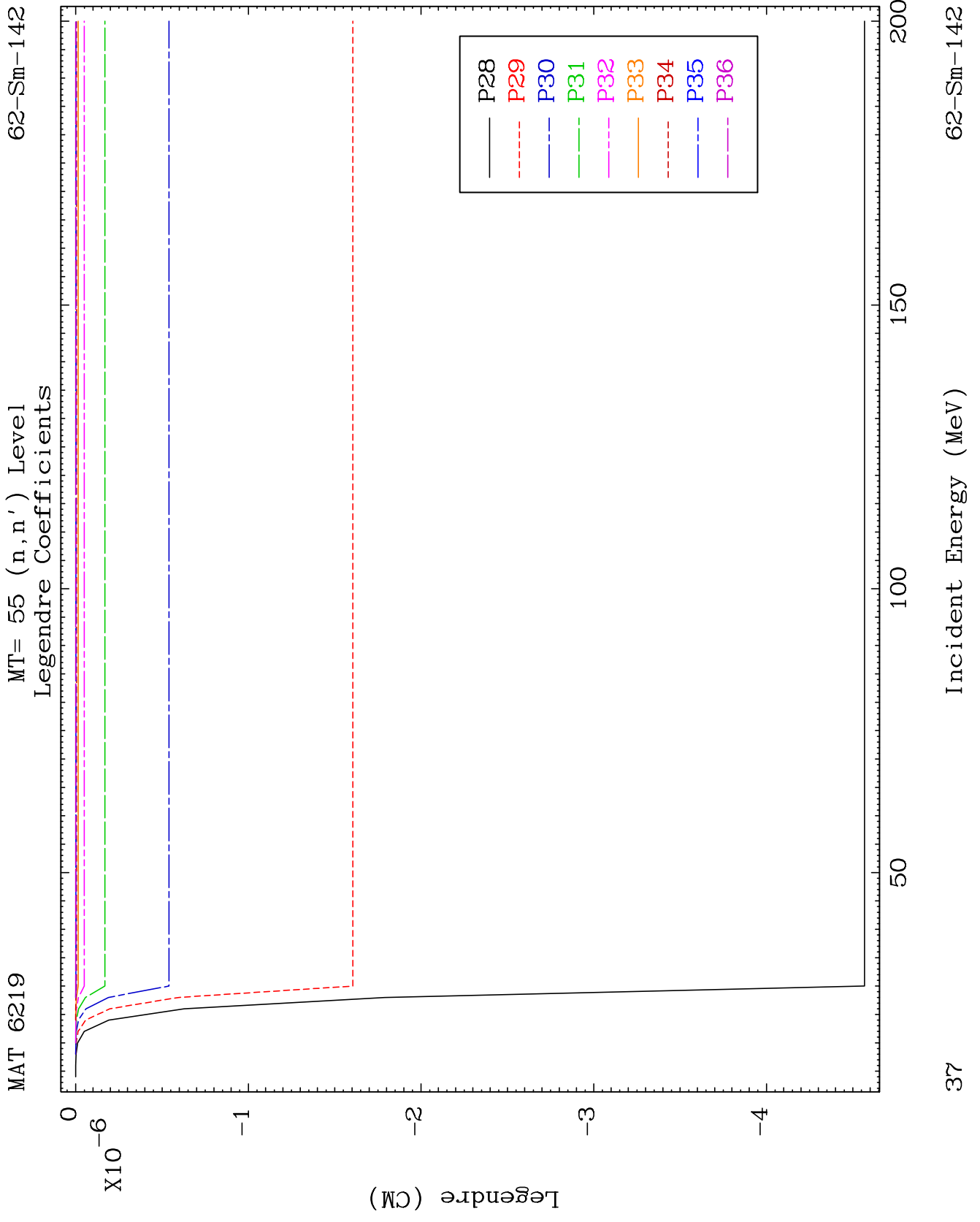
62-Sm-142



36

Incident Energy (MeV)

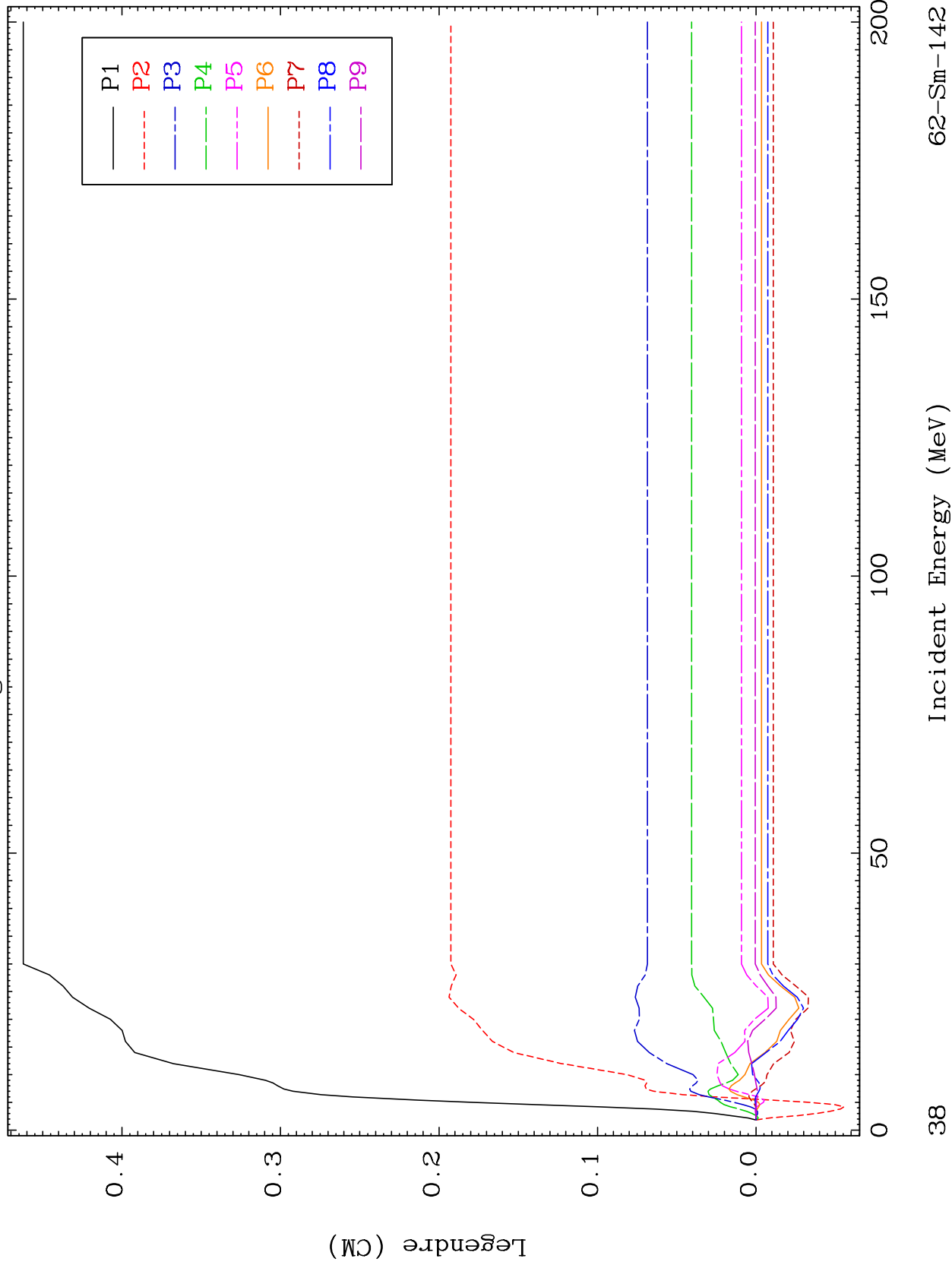
62-Sm-142



MAT 6219

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

62-Sm-142



62-Sm-142

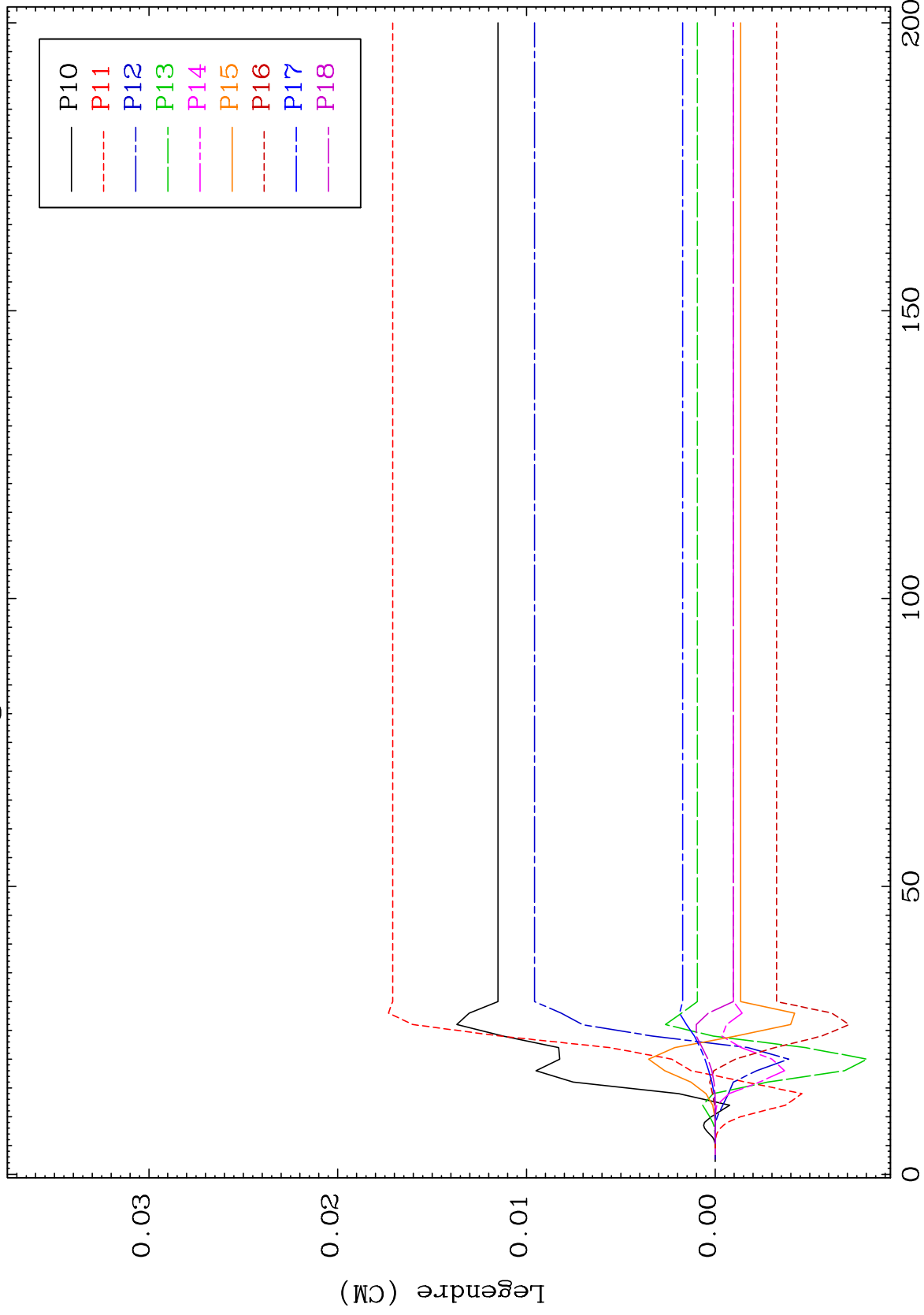
Incident Energy (MeV)

38

MAT 6219

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

62-Sm-142



39

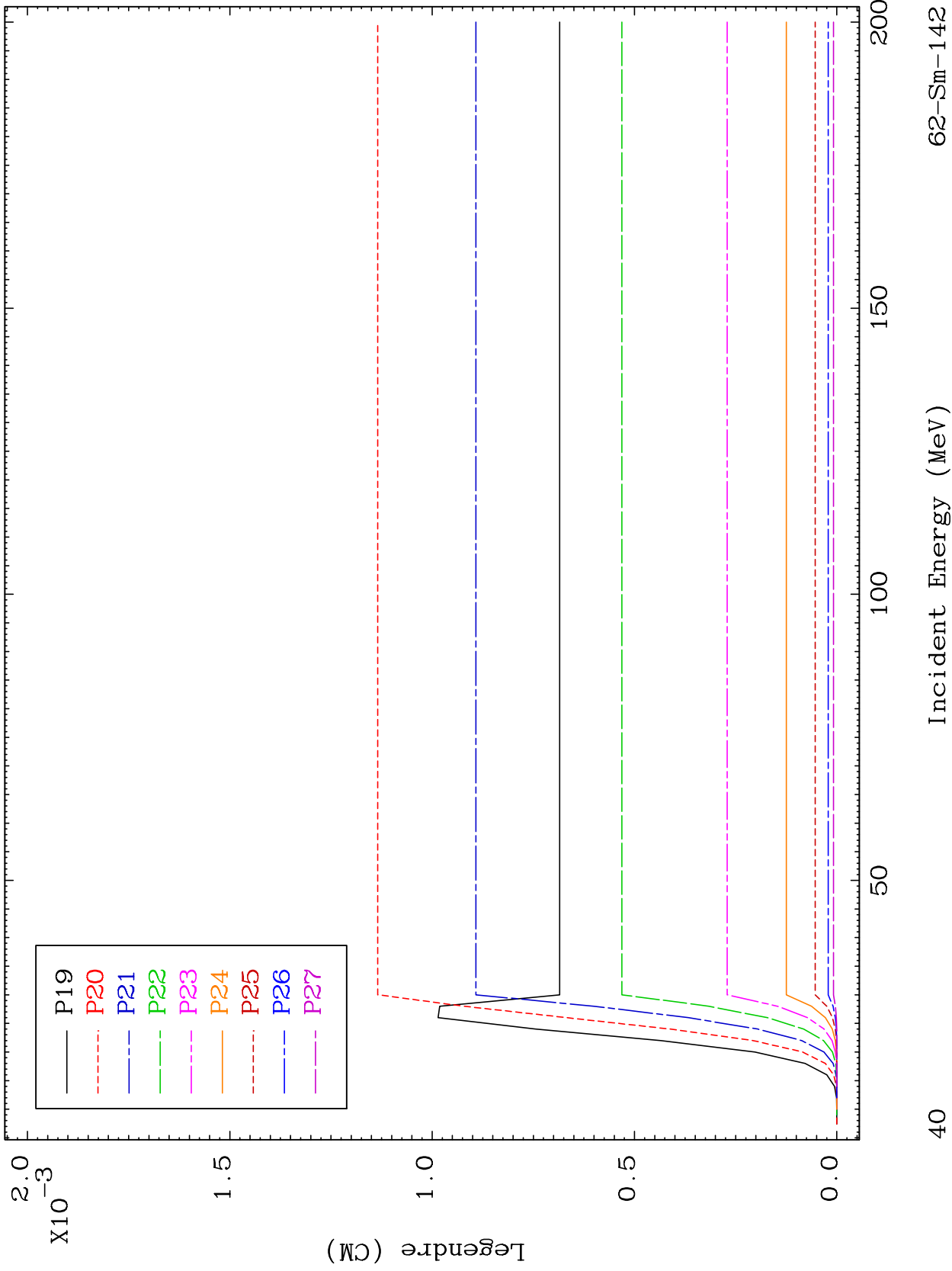
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

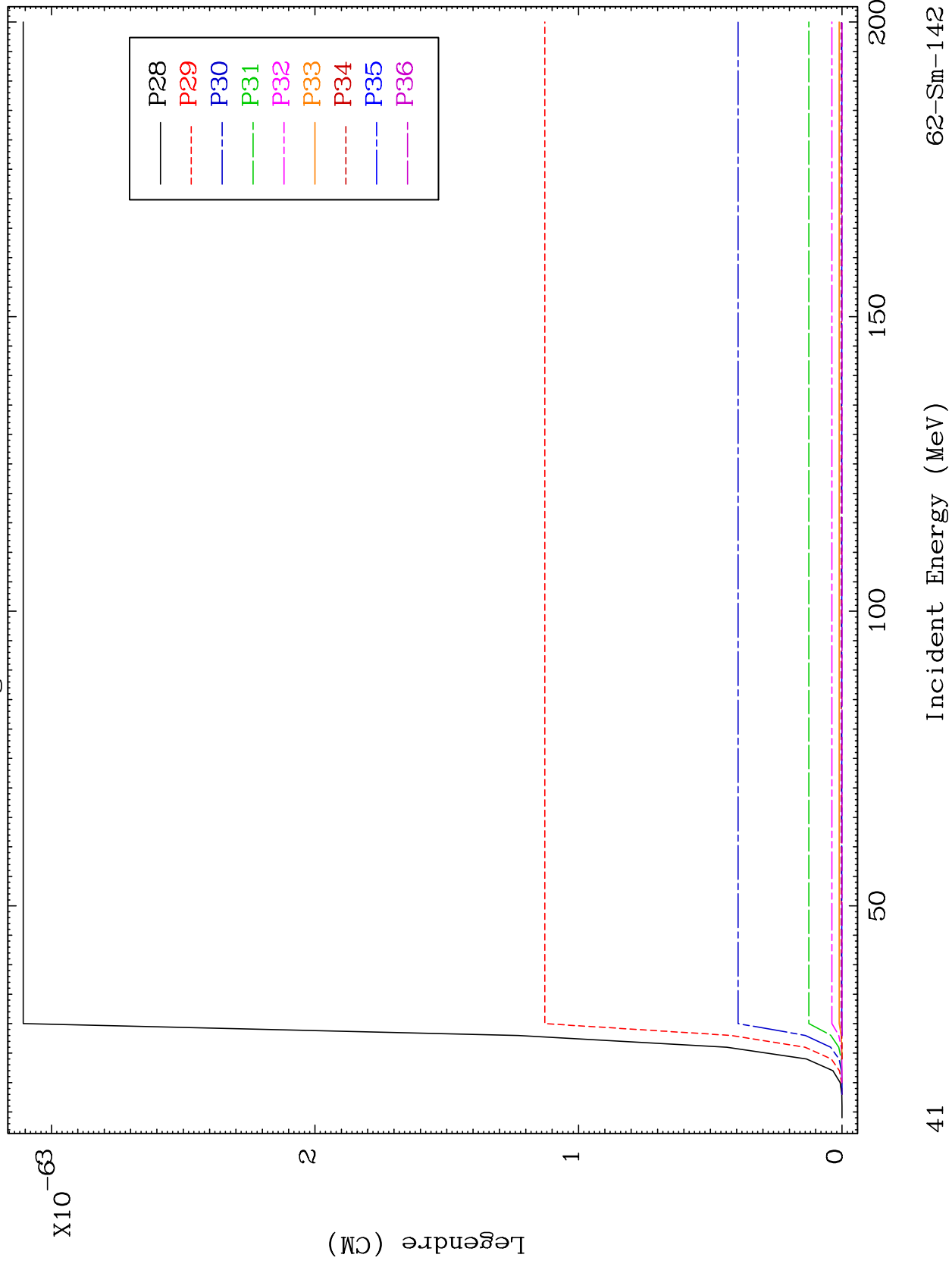
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MAT 6219

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

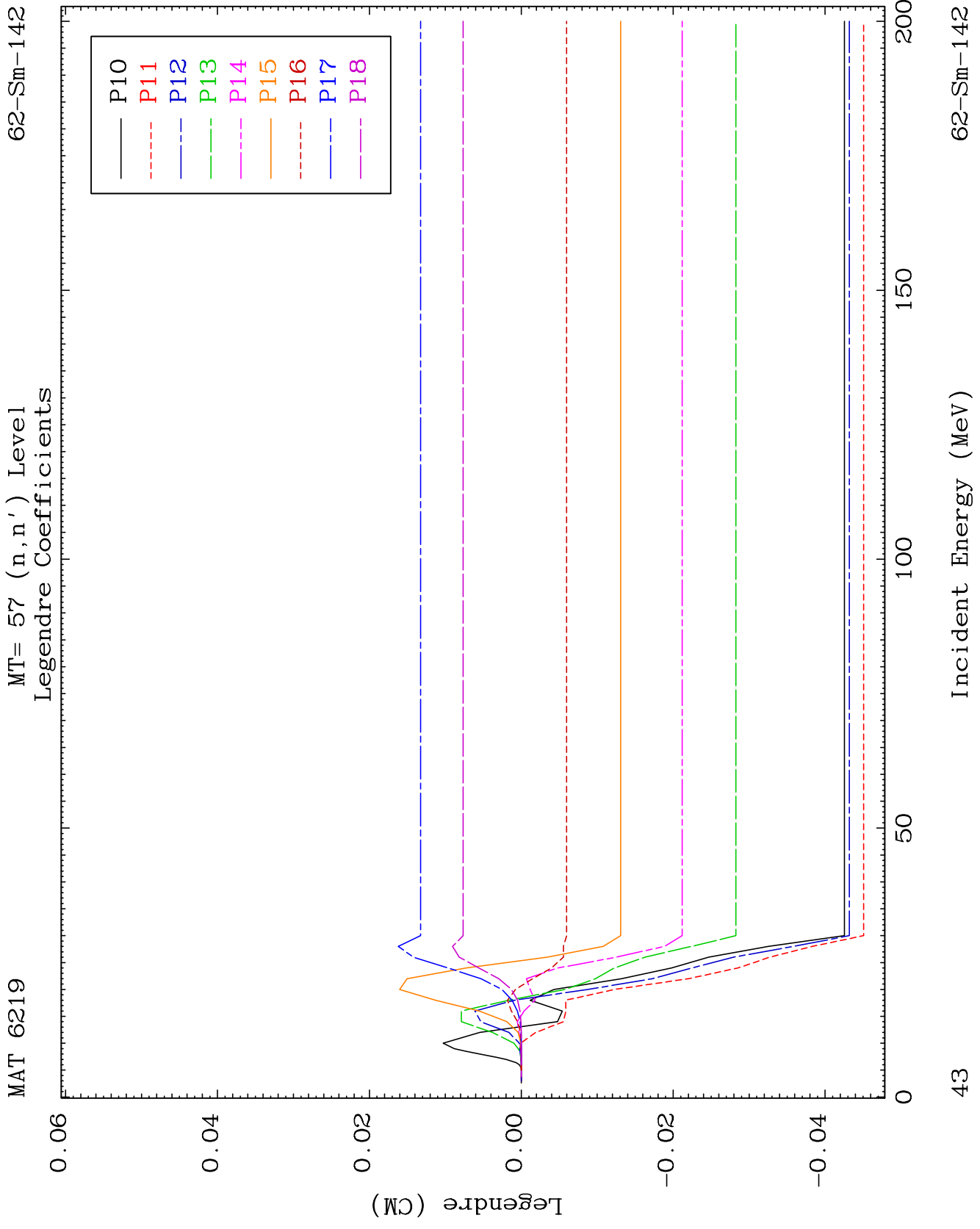
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41

Incident Energy (MeV)

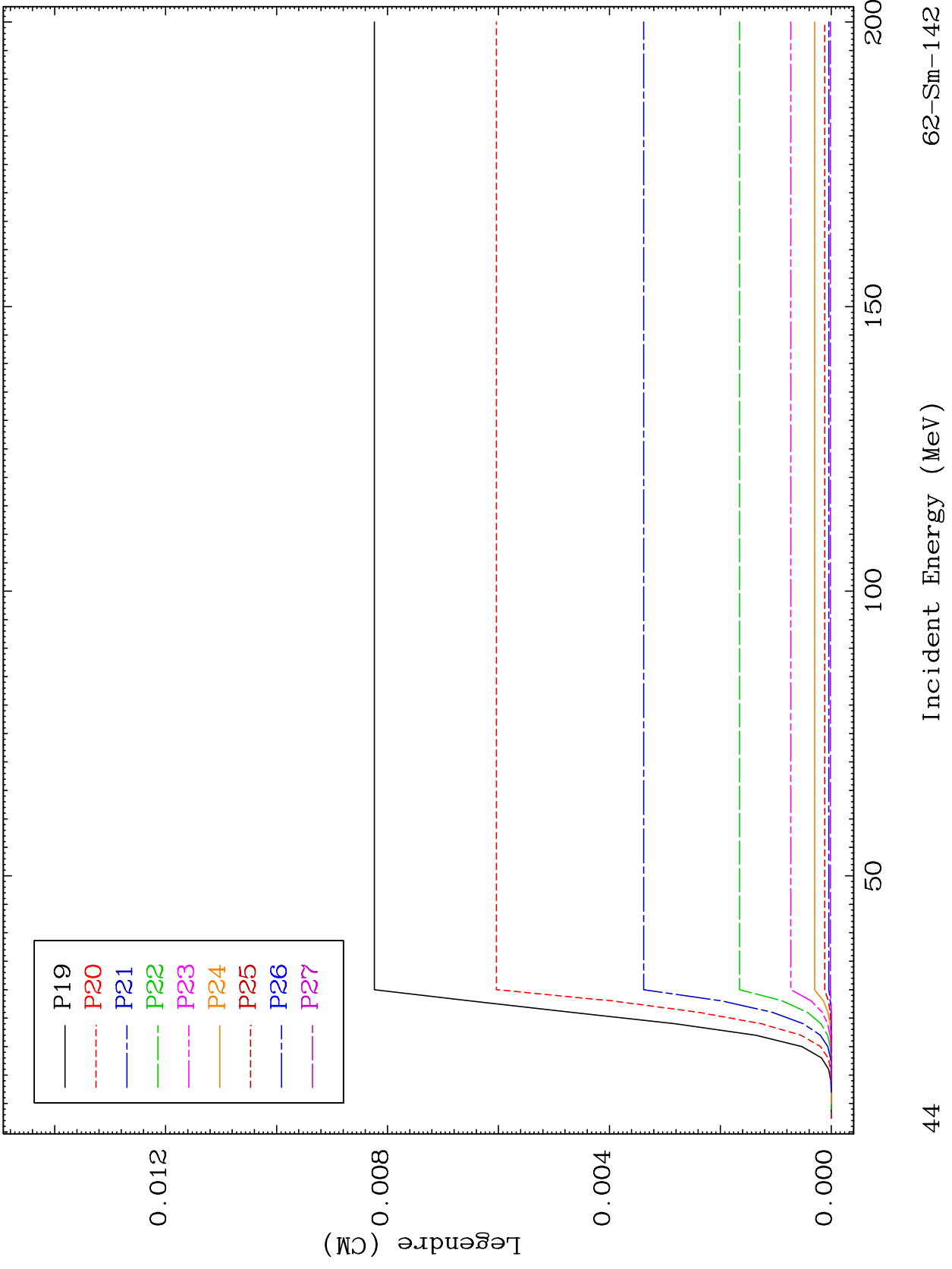
62-Sm-142



MAT 6219

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

62-Sm-142



44

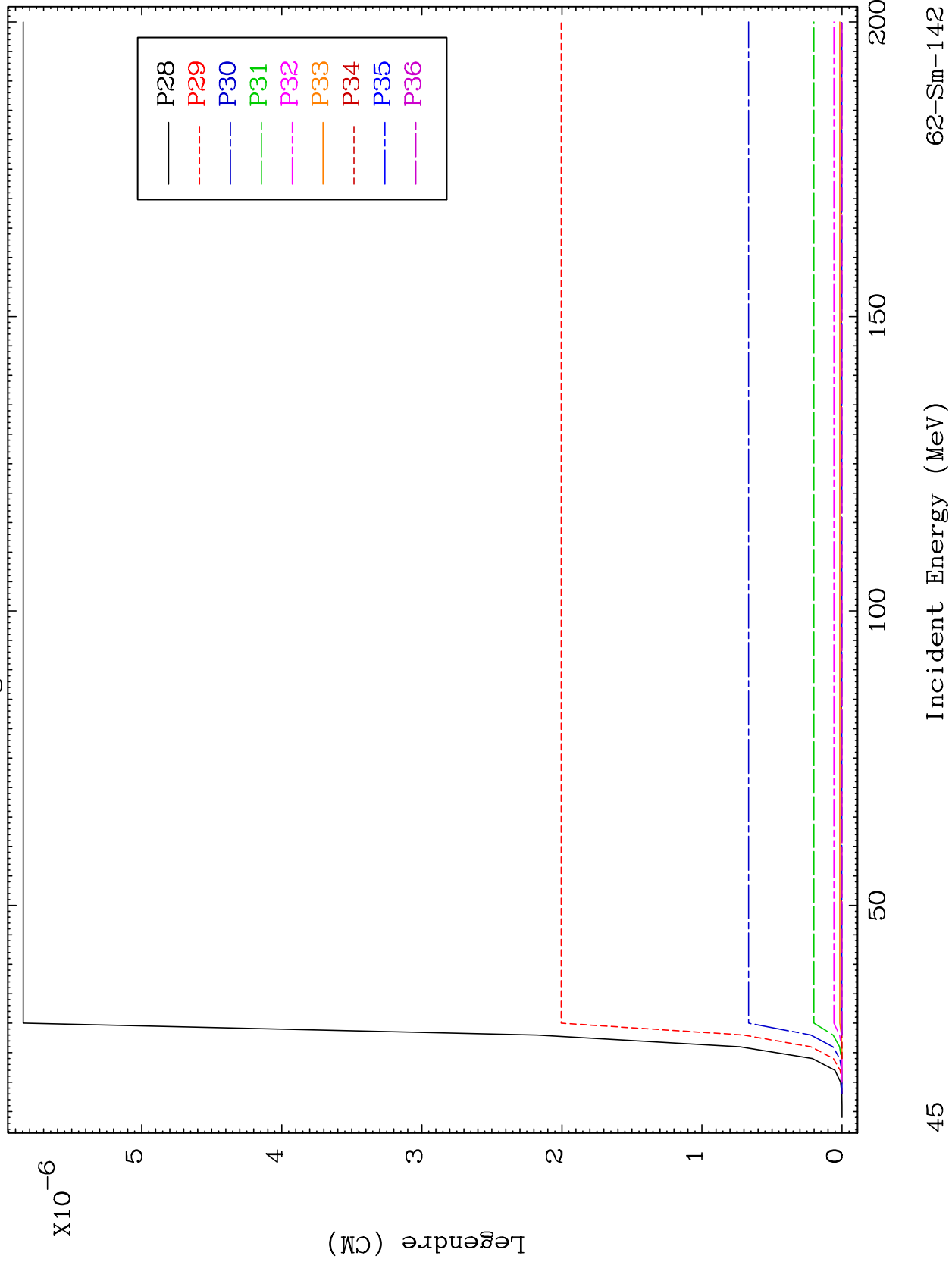
Incident Energy (MeV)

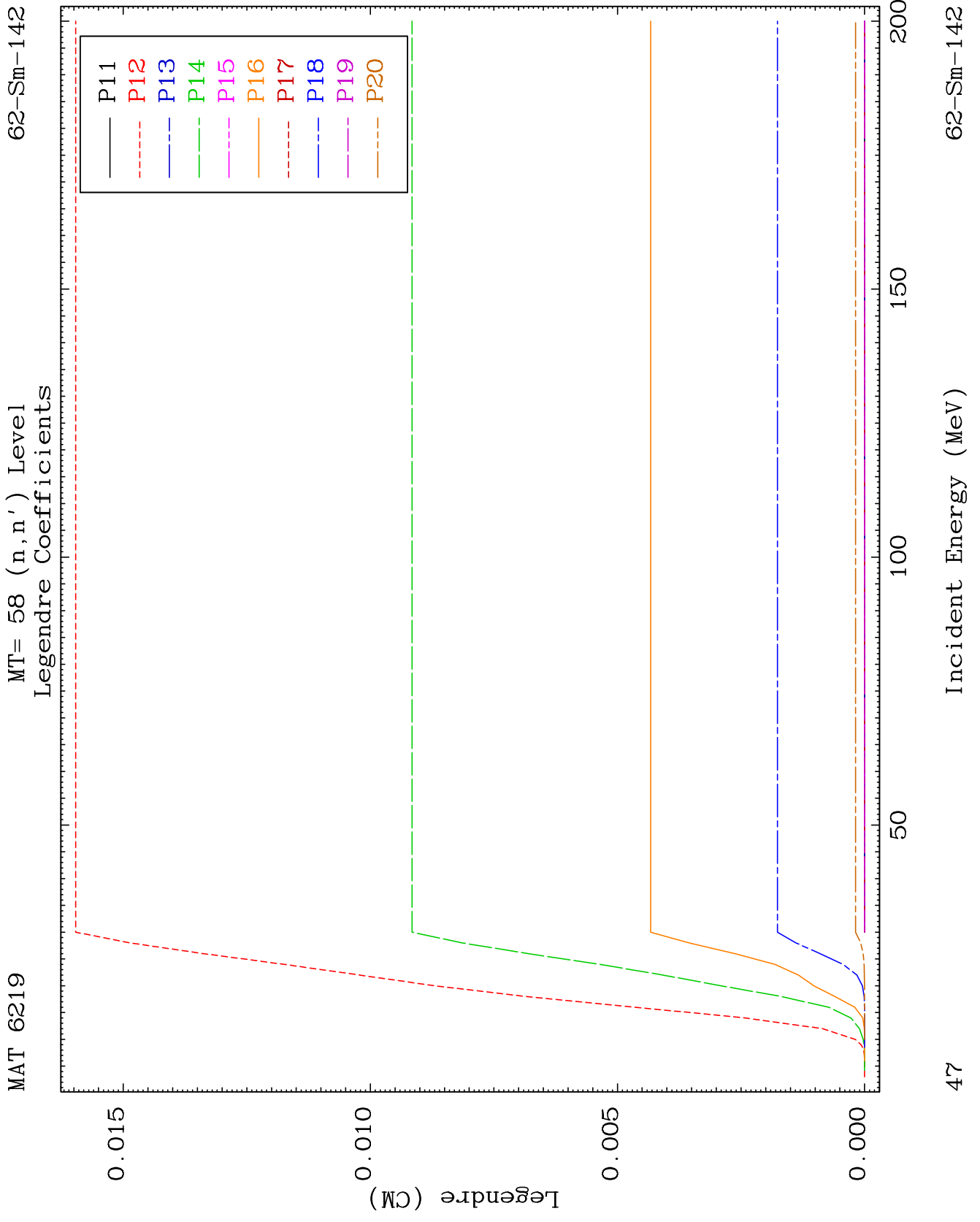
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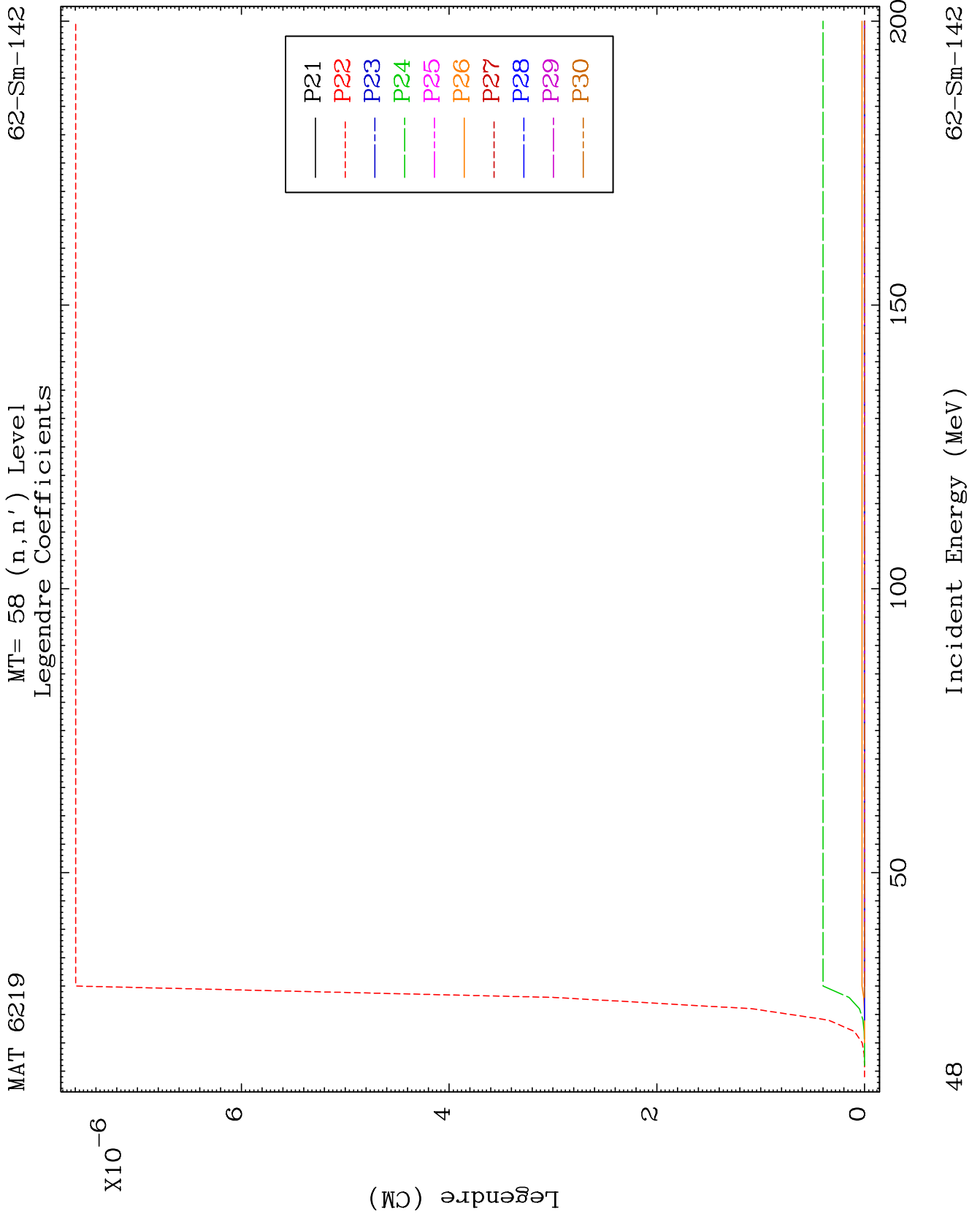
MAT 6219

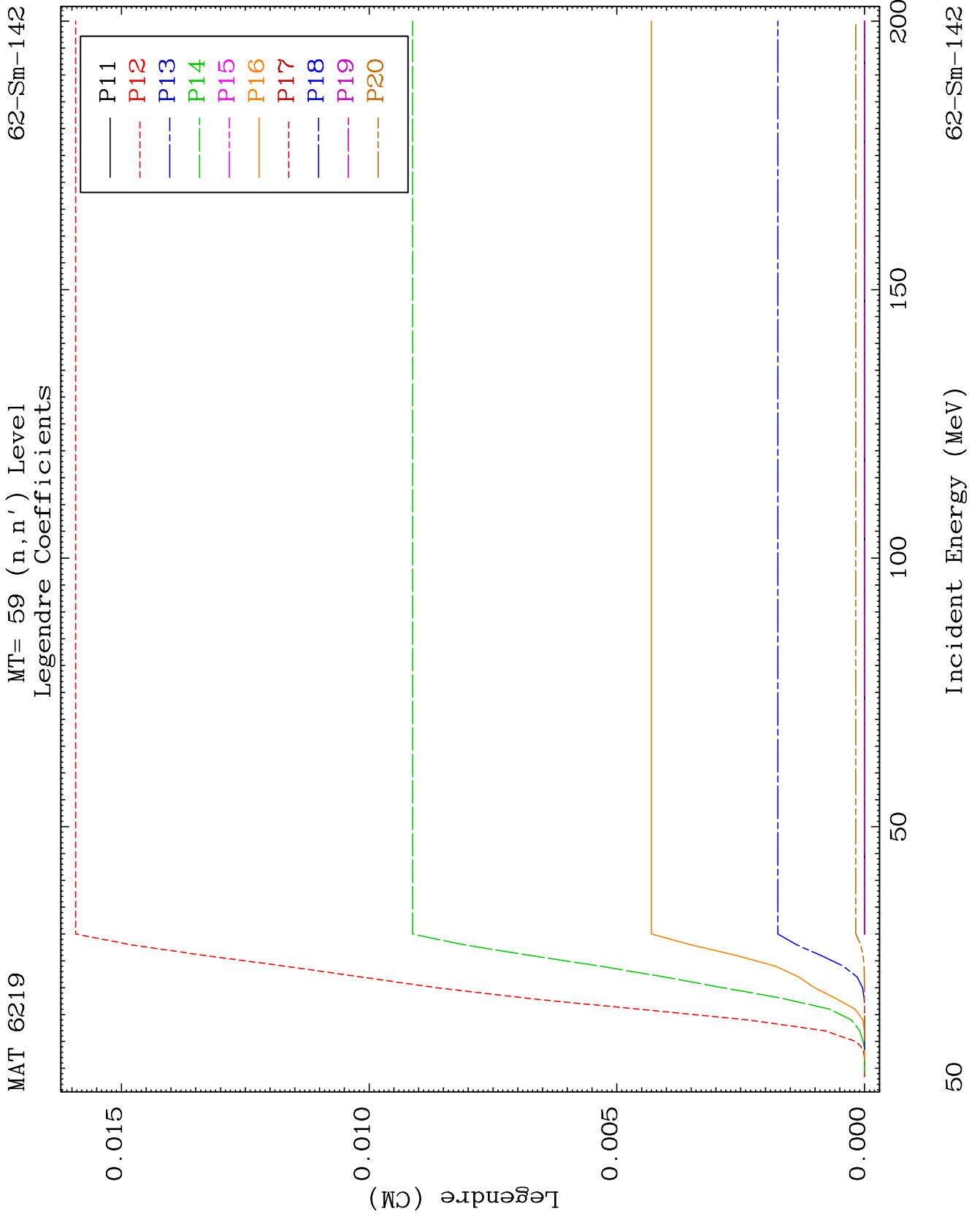
MT= 57 (n,n') Level
Legendre Coefficients

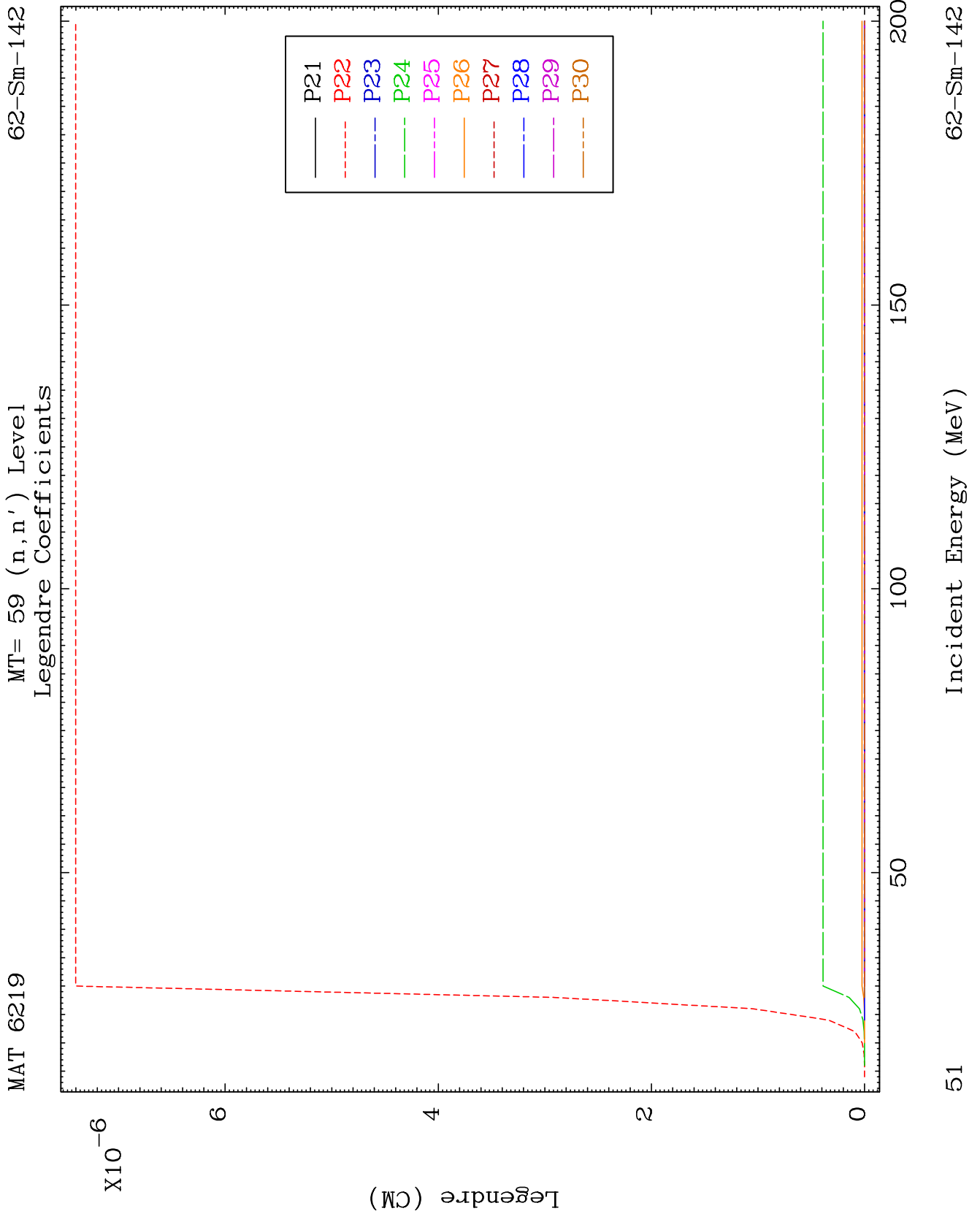
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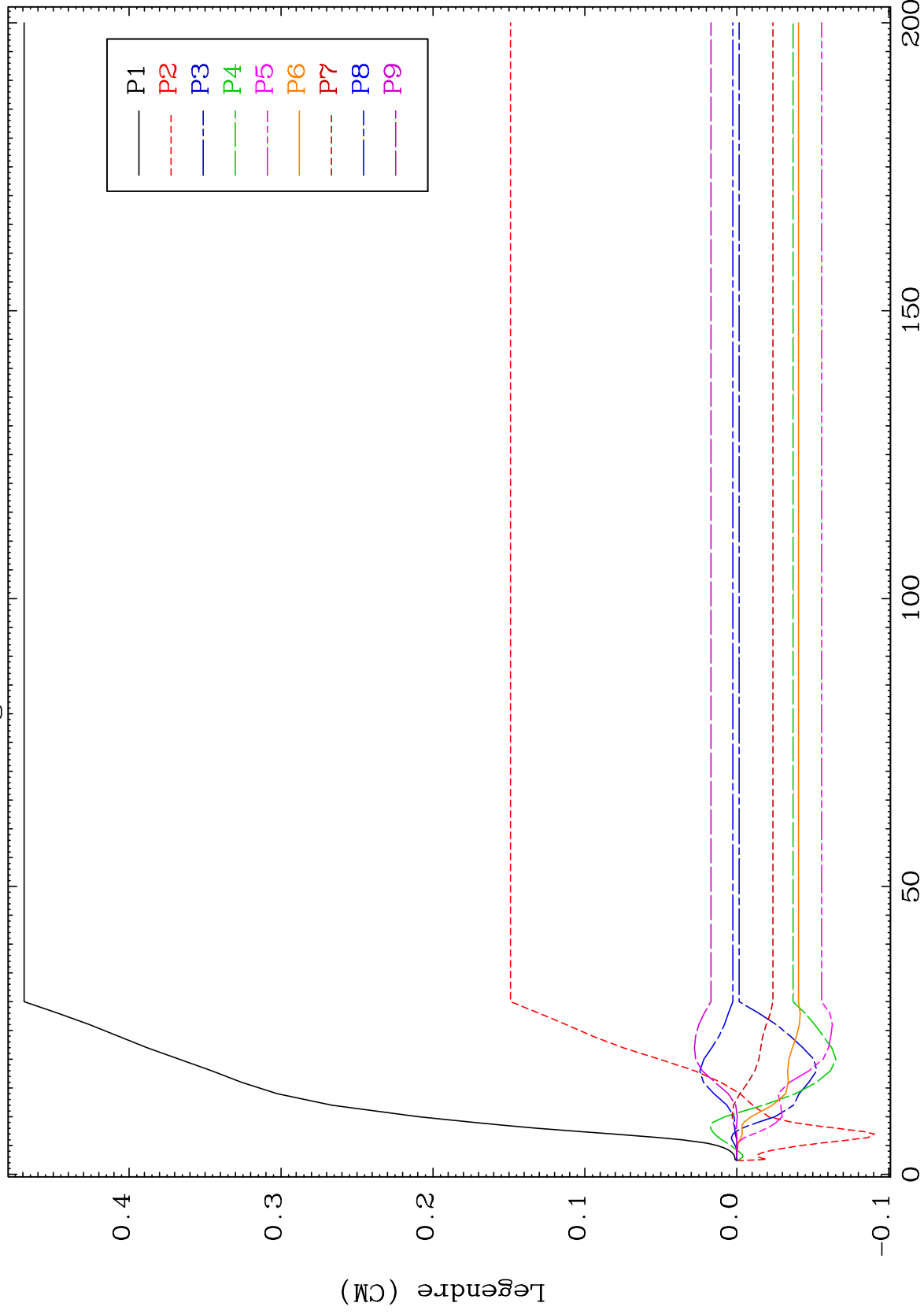




MAT 6219

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

62-Sm-142



52

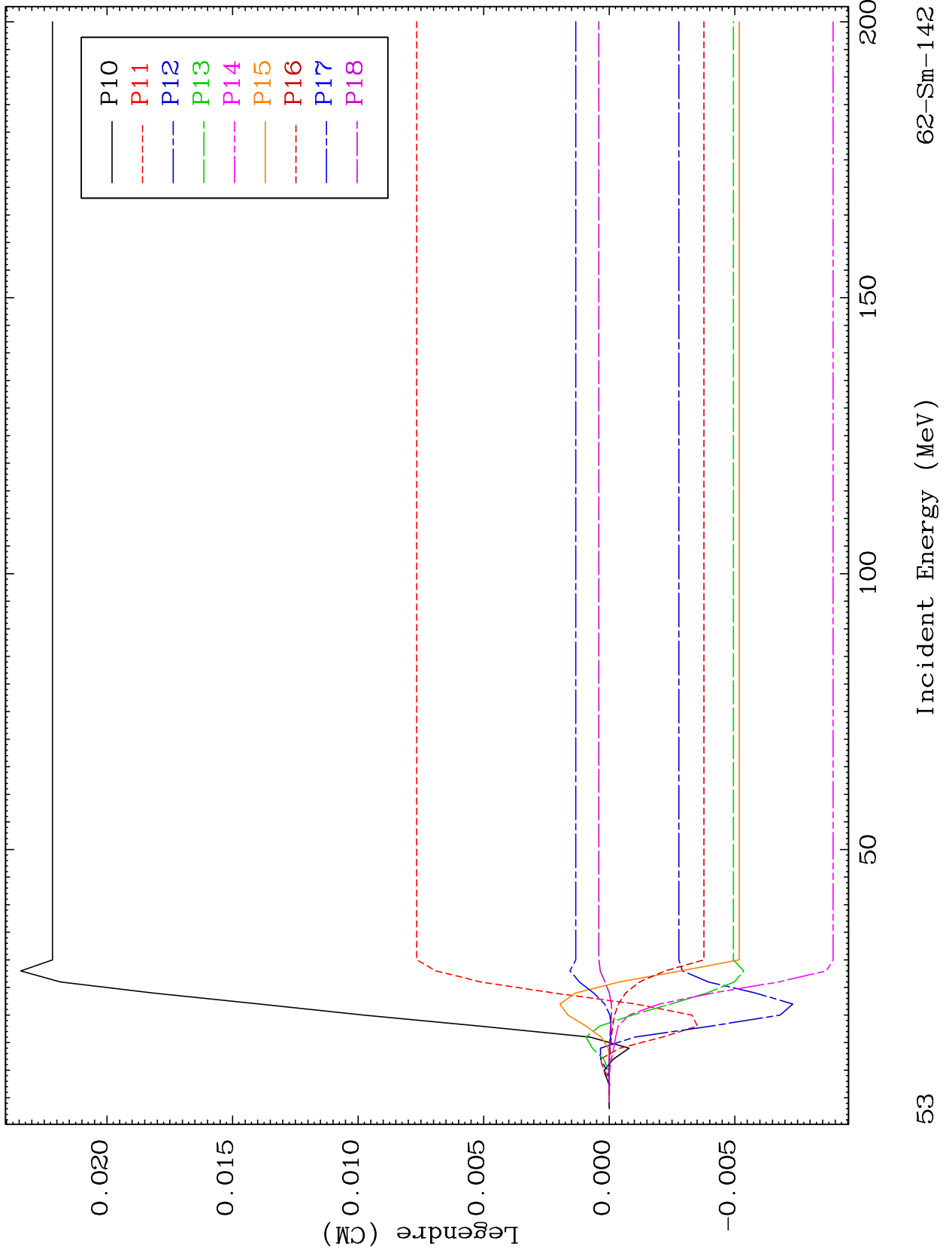
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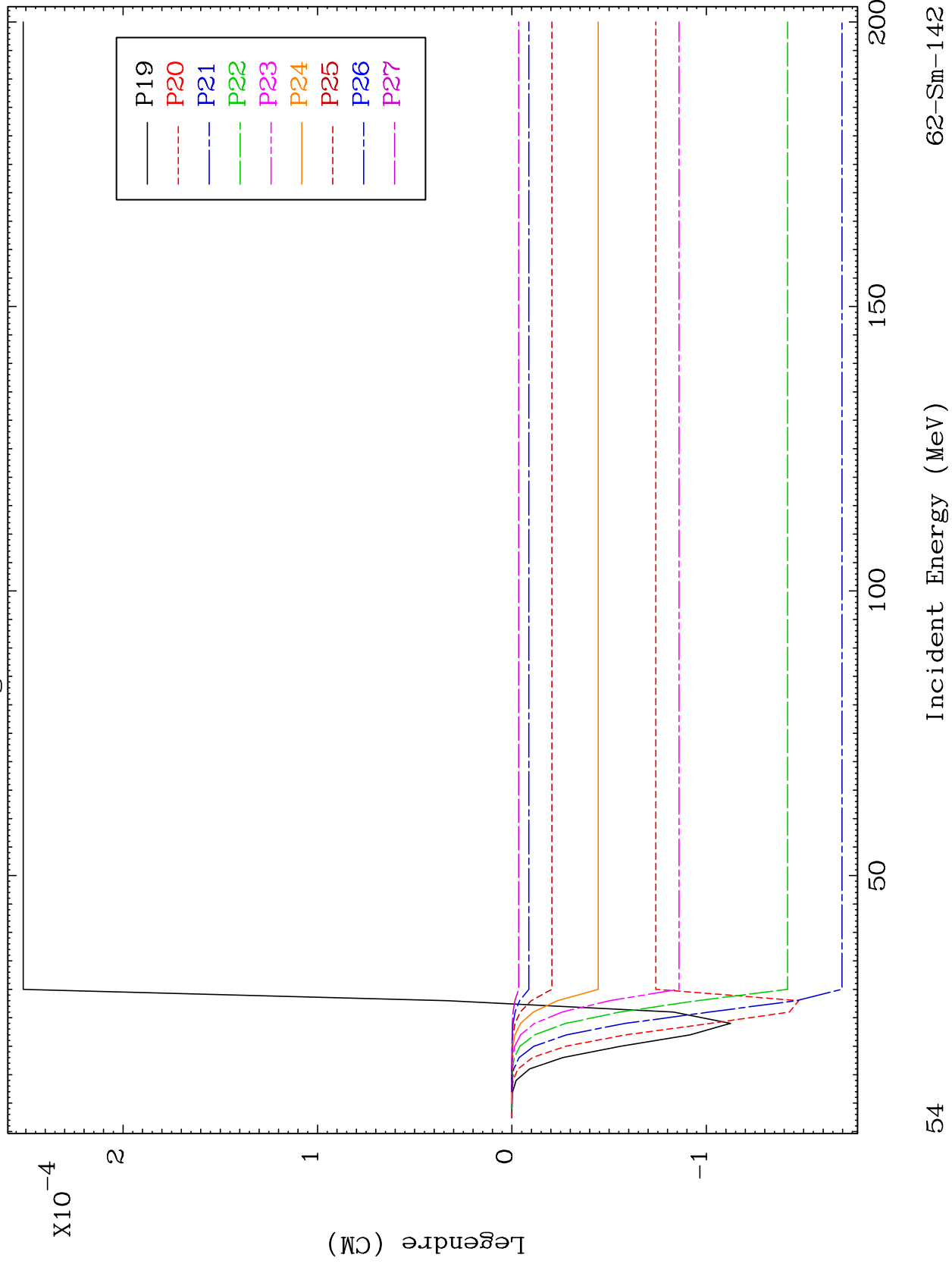
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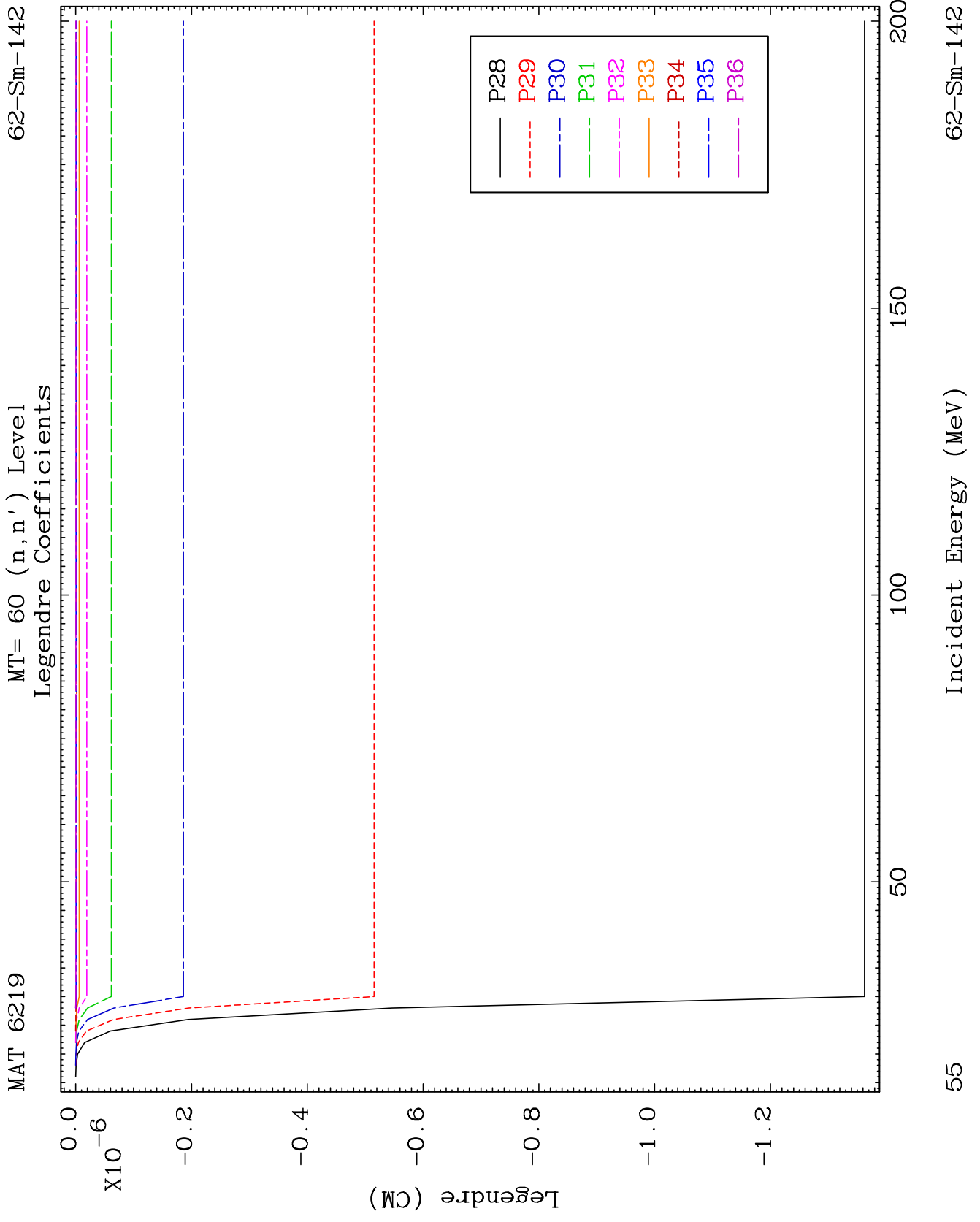
MAT 6219

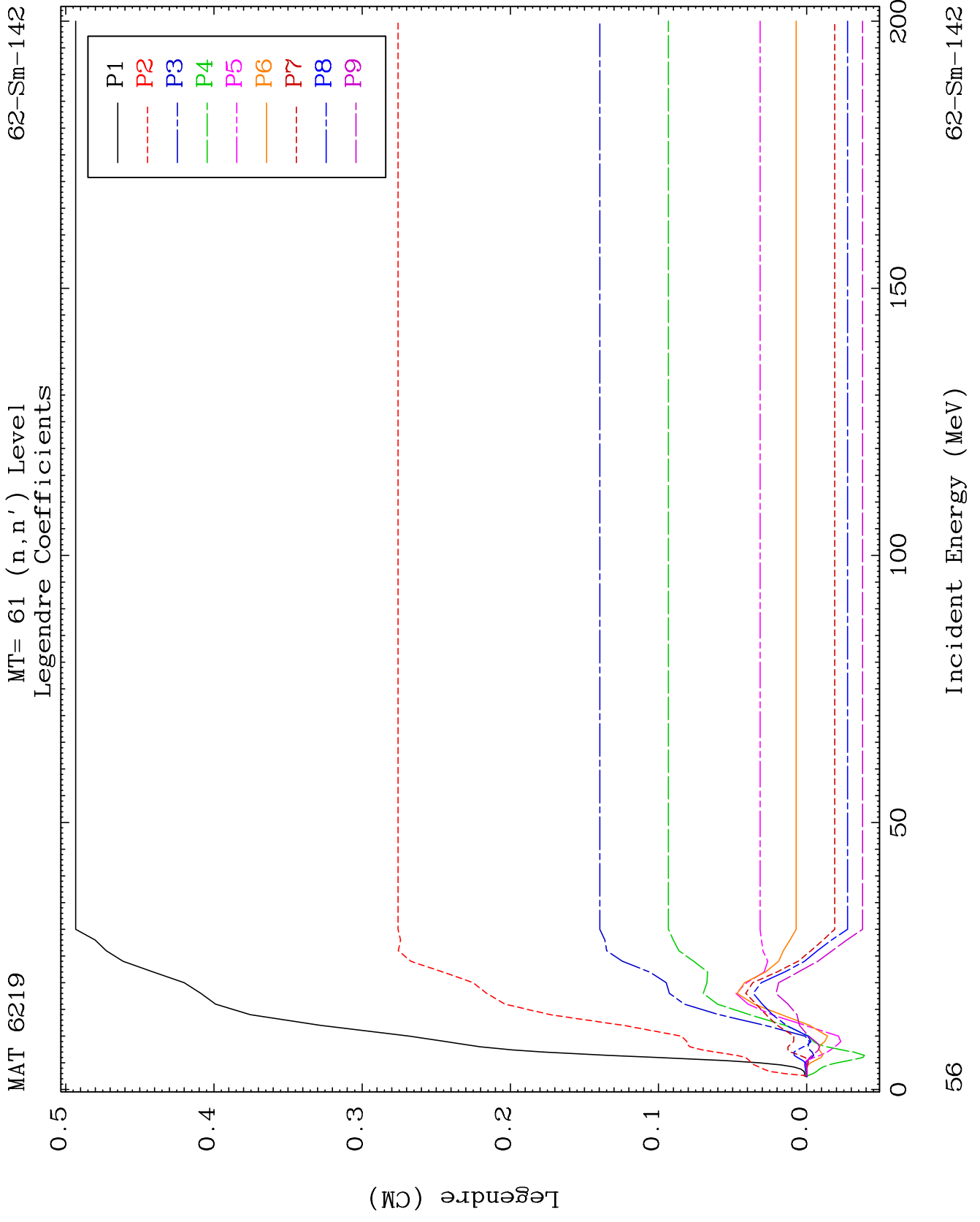
MT= 60 (n,n') Level
Legendre Coefficients

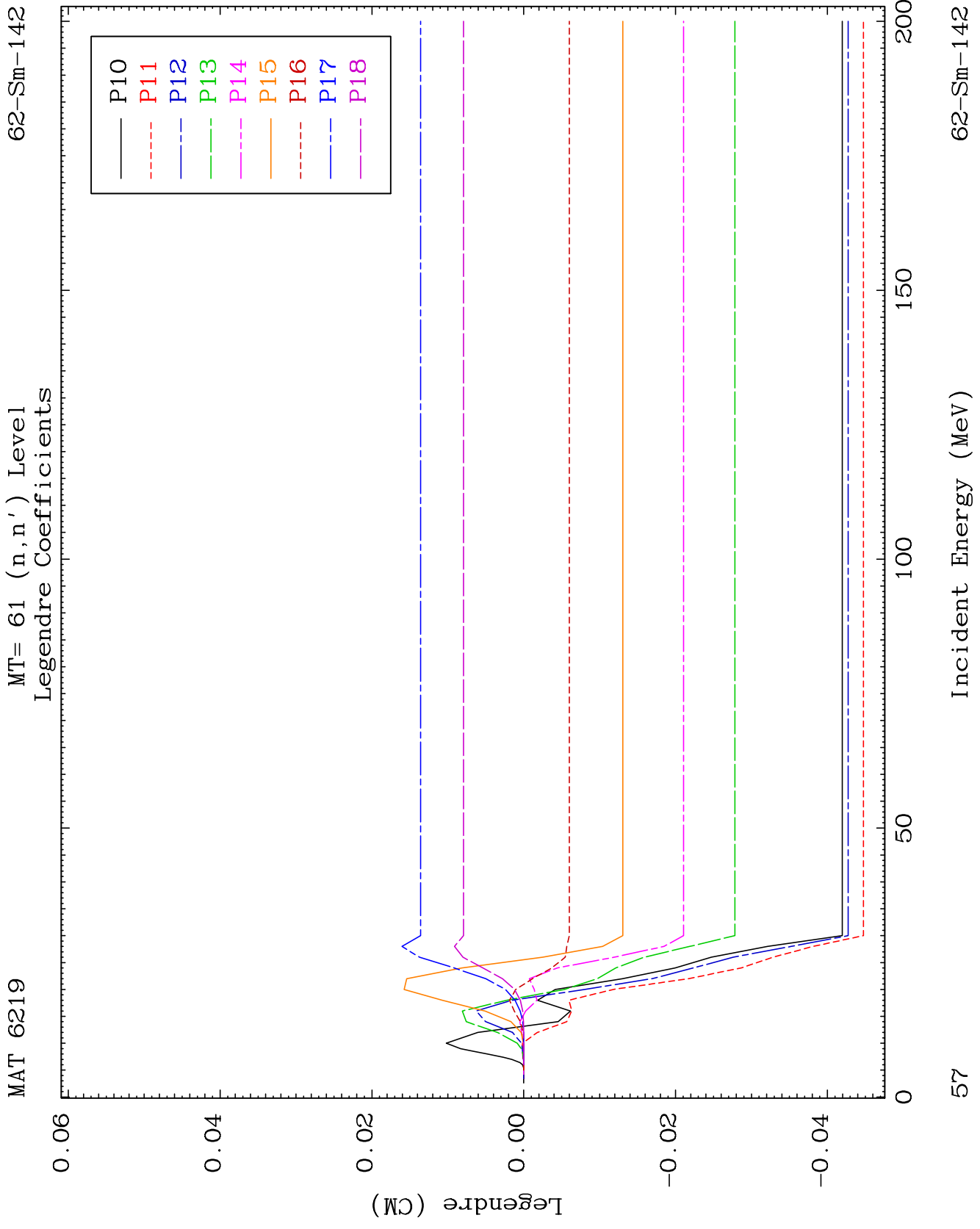
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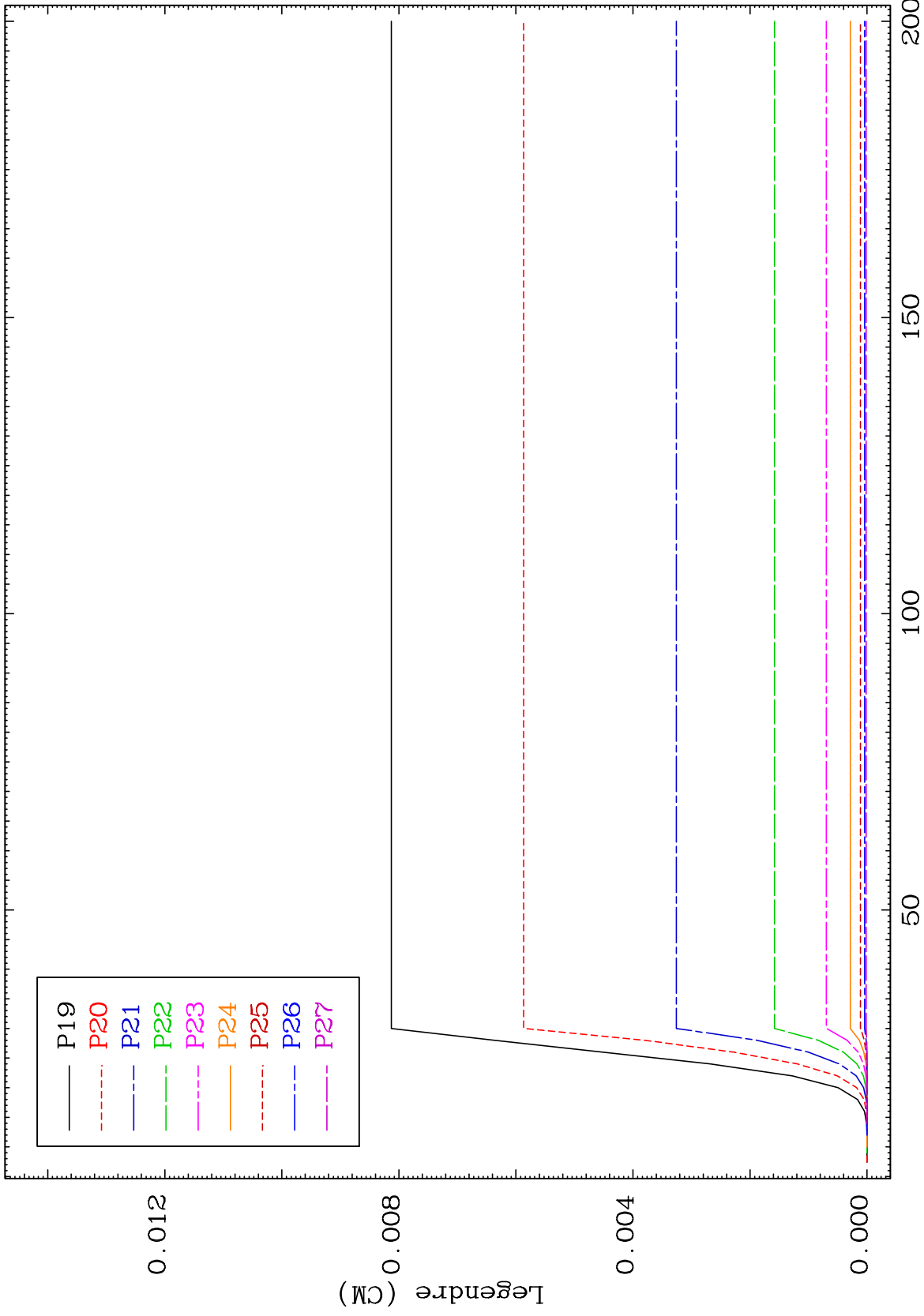




MAT 6219

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

62-Sm-142



58

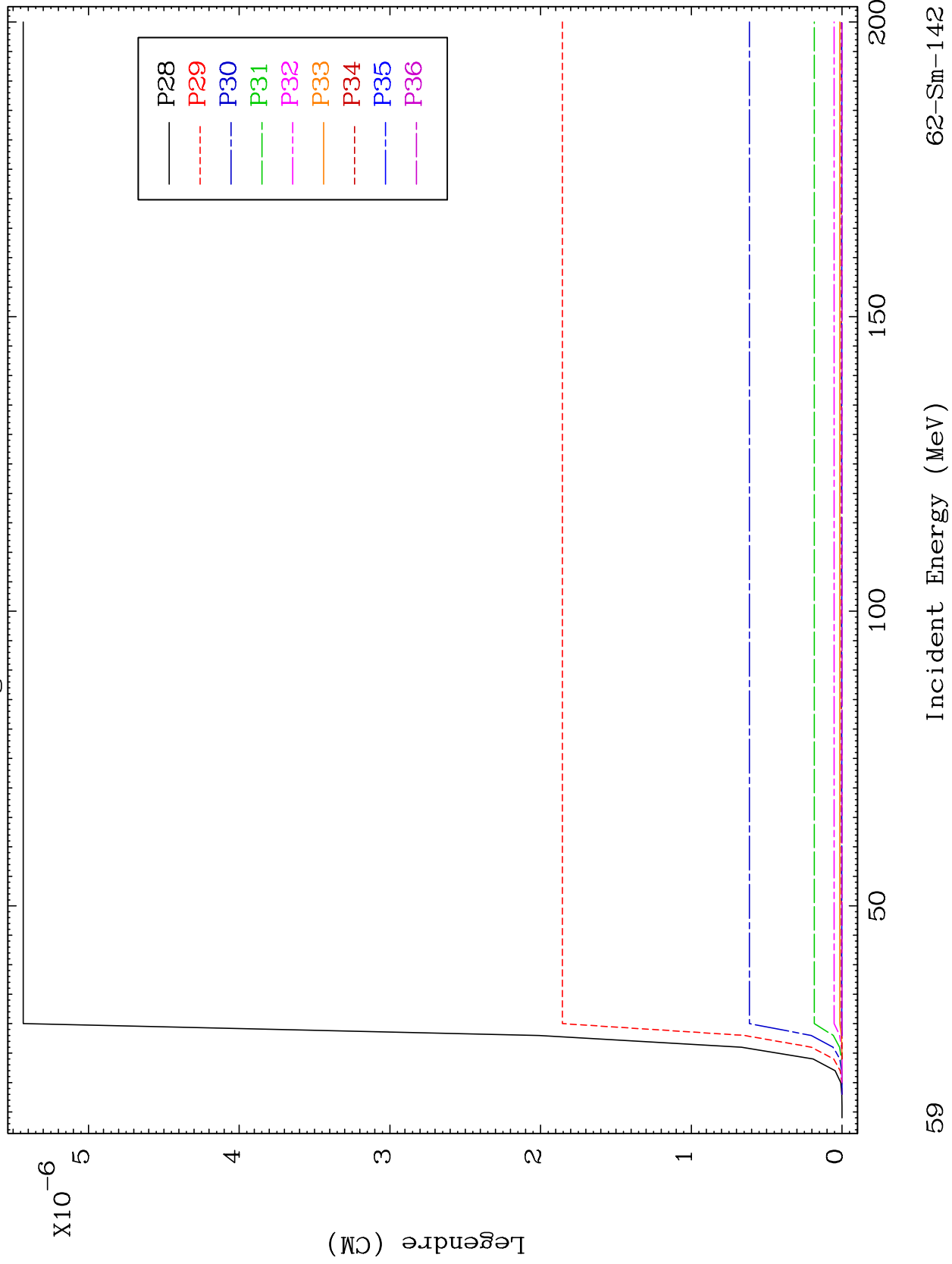
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



59

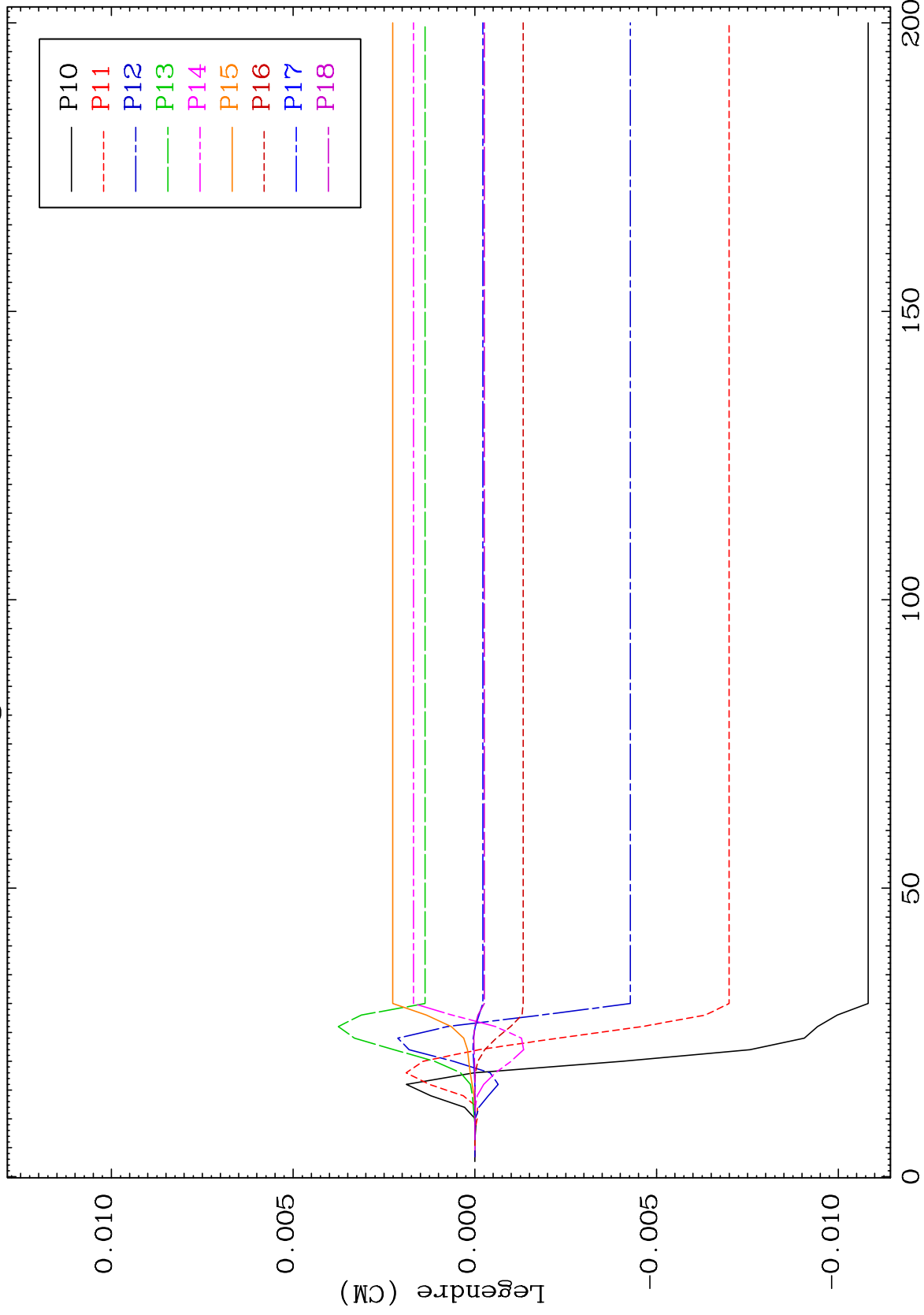
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



61

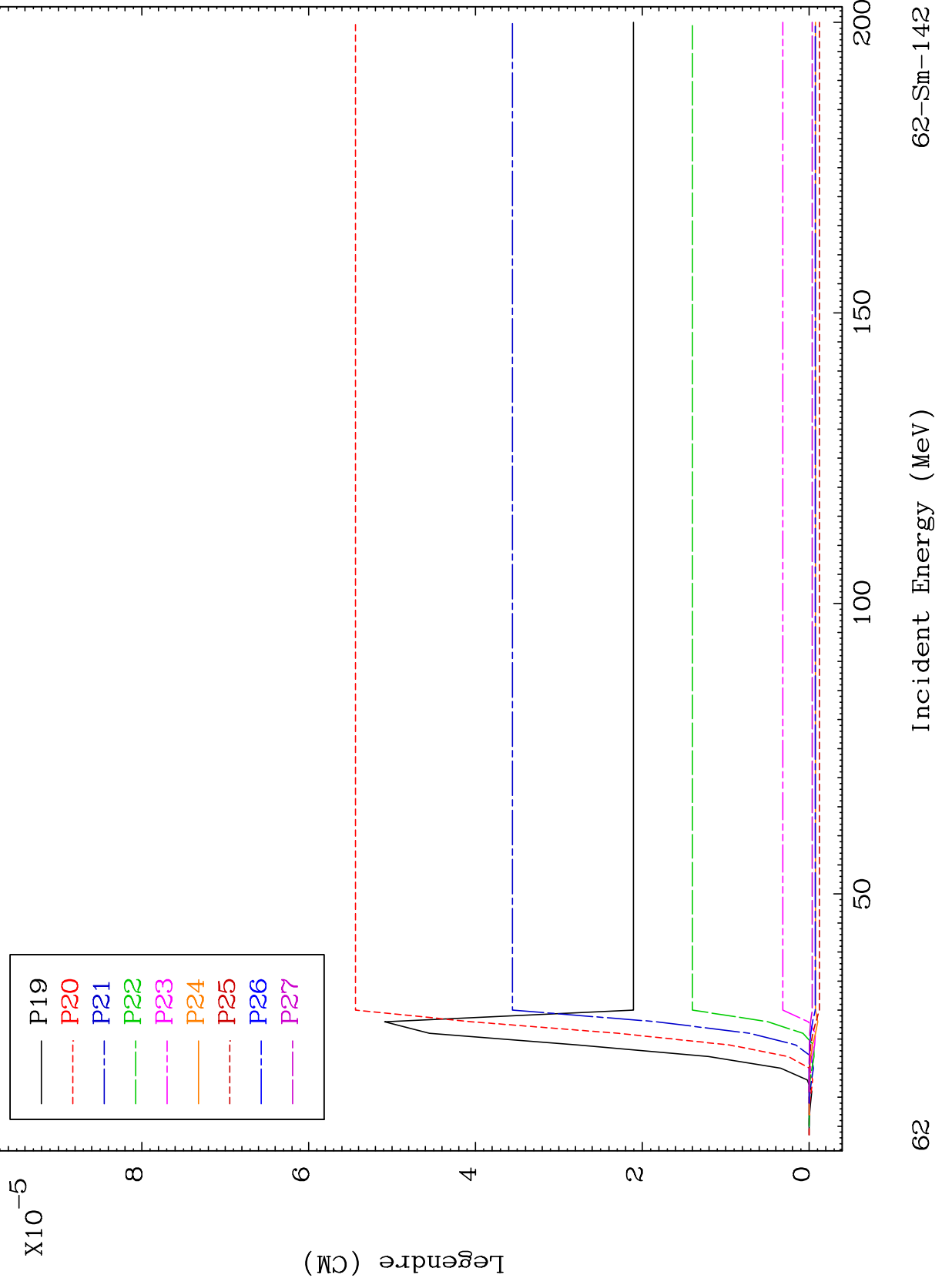
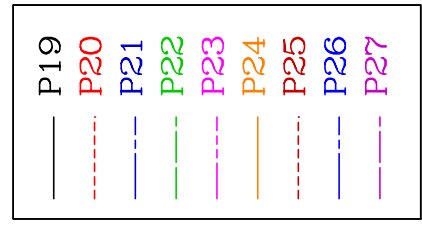
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

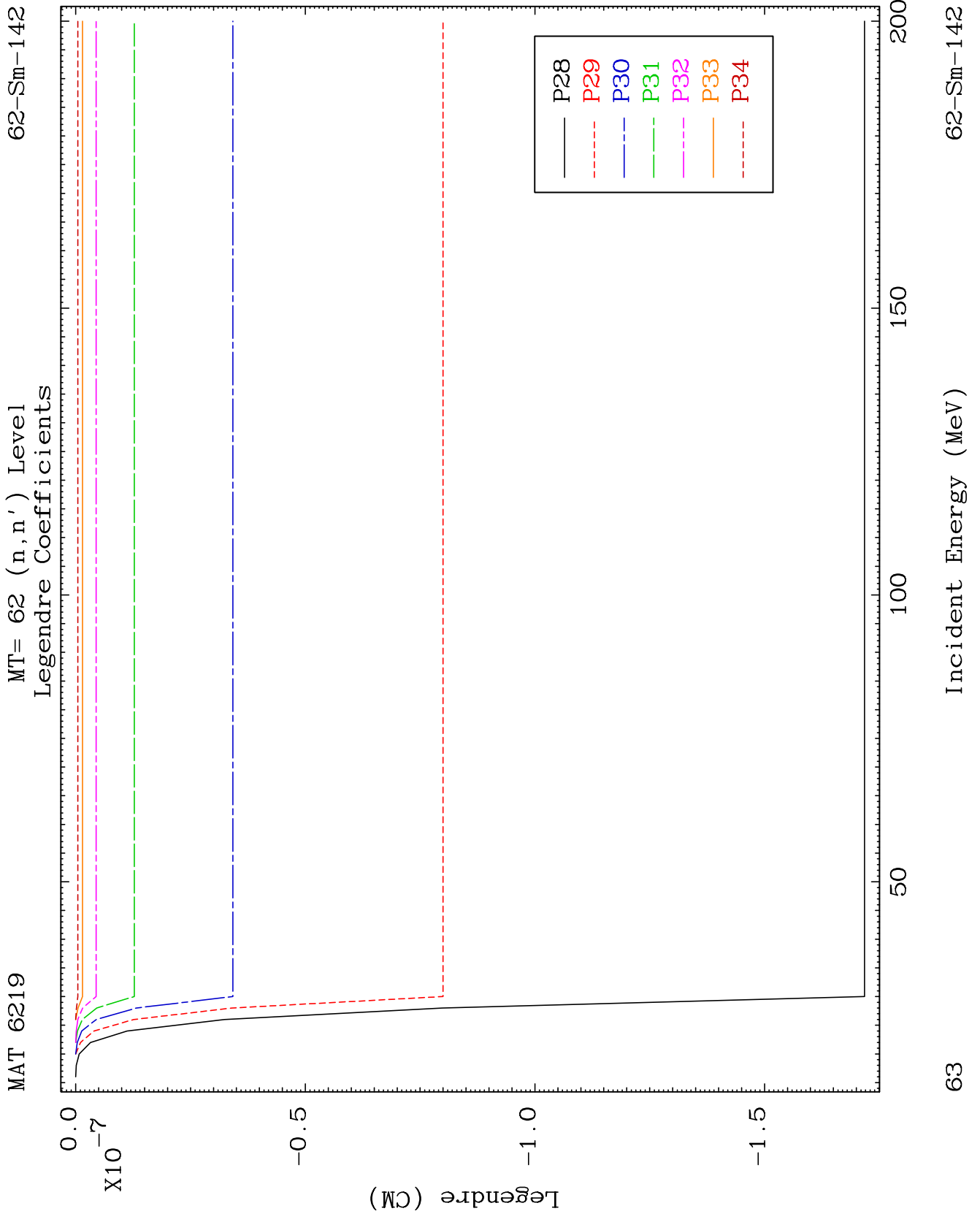
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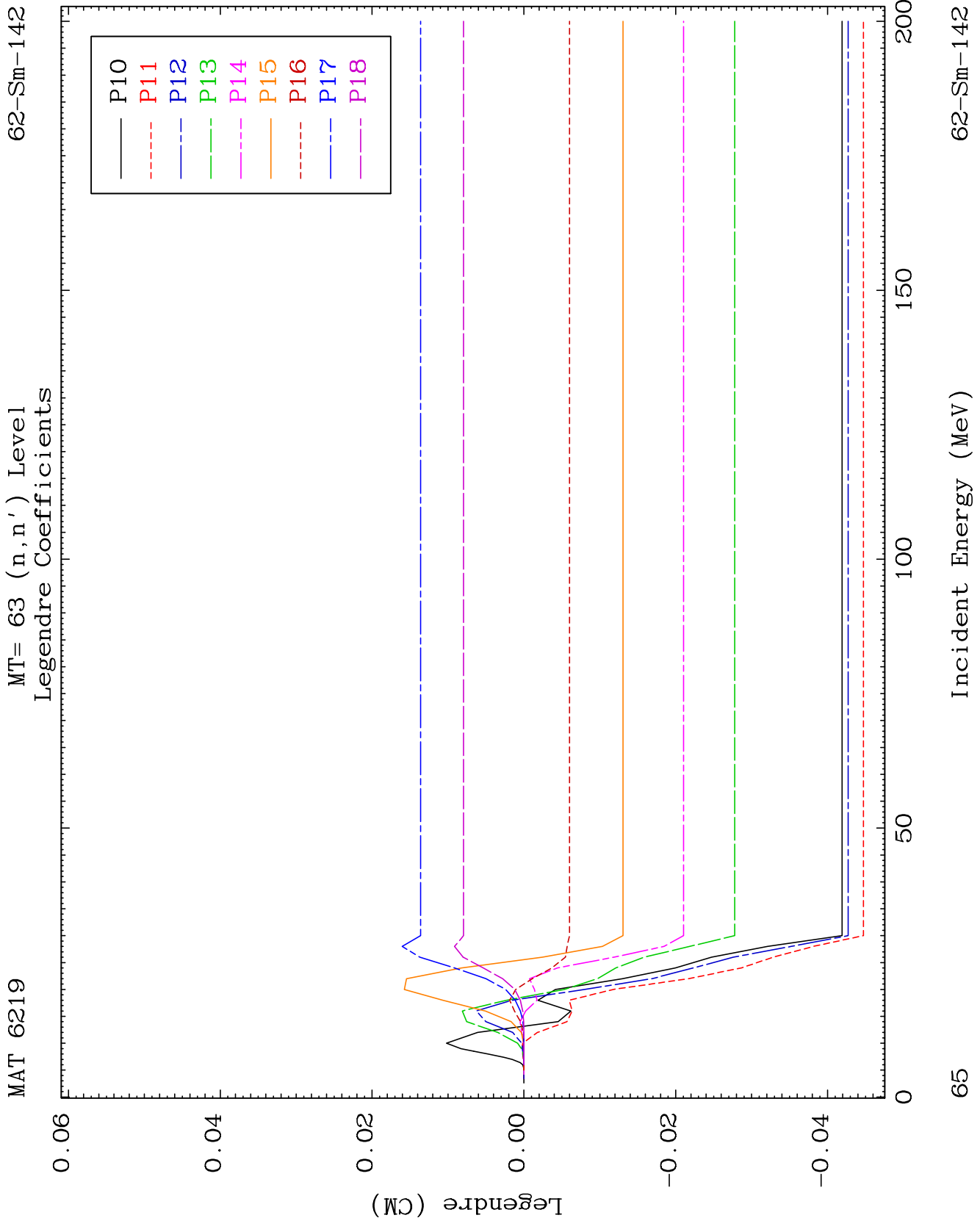


62

Incident Energy (MeV)

62-Sm-142

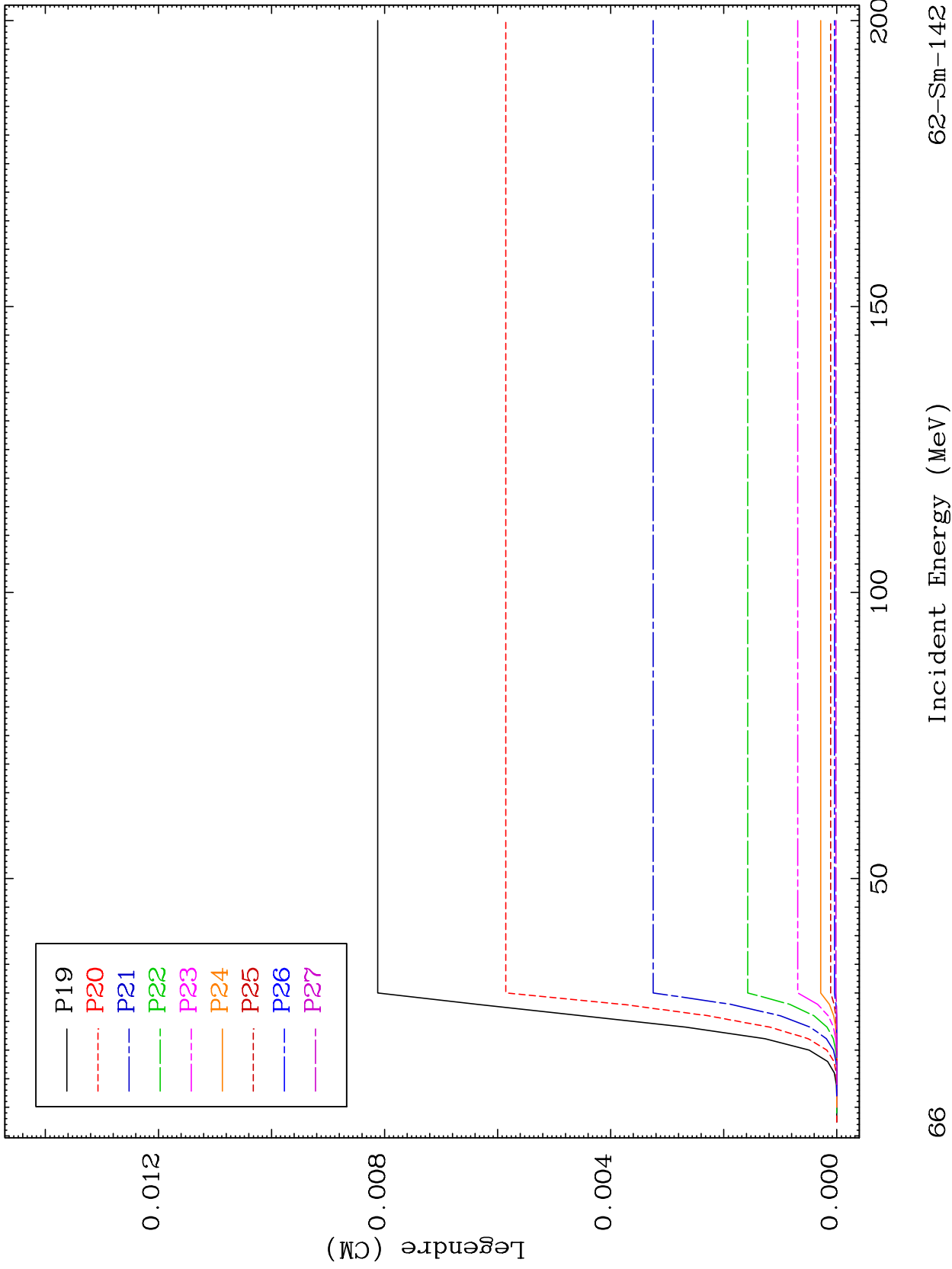




MAT 6219

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

62-Sm-142



66

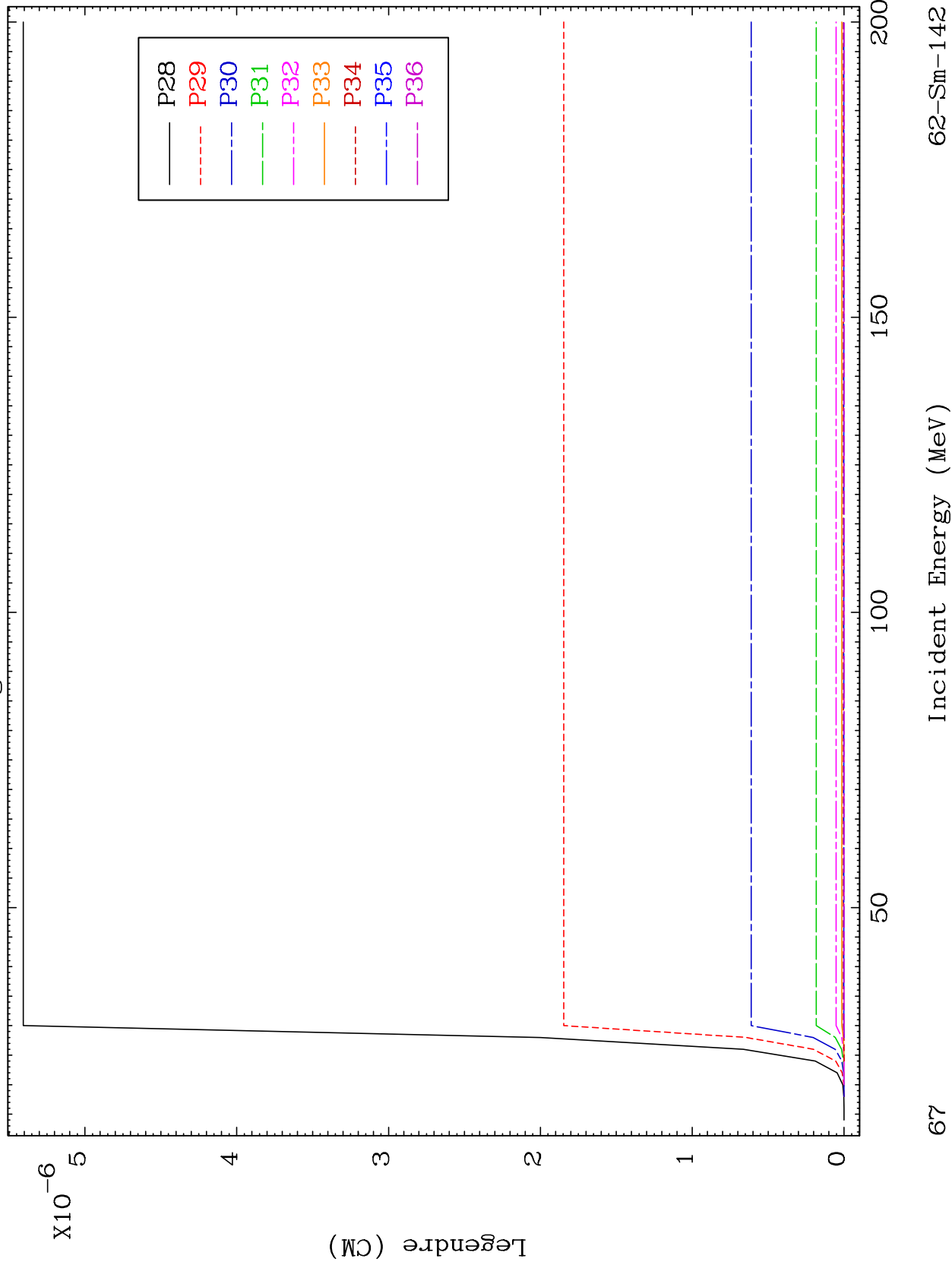
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

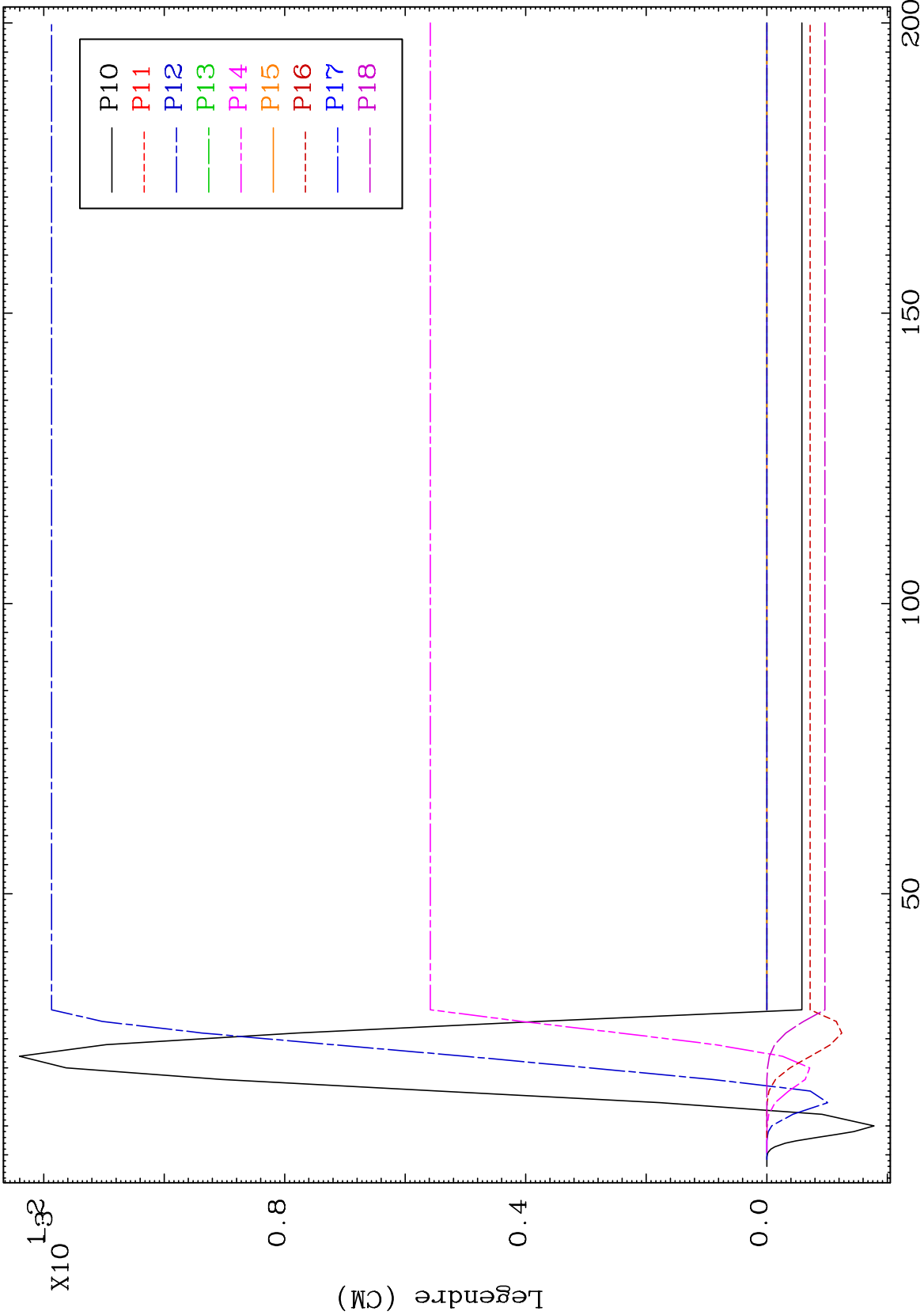
62-Sm-142



MAT 6219

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

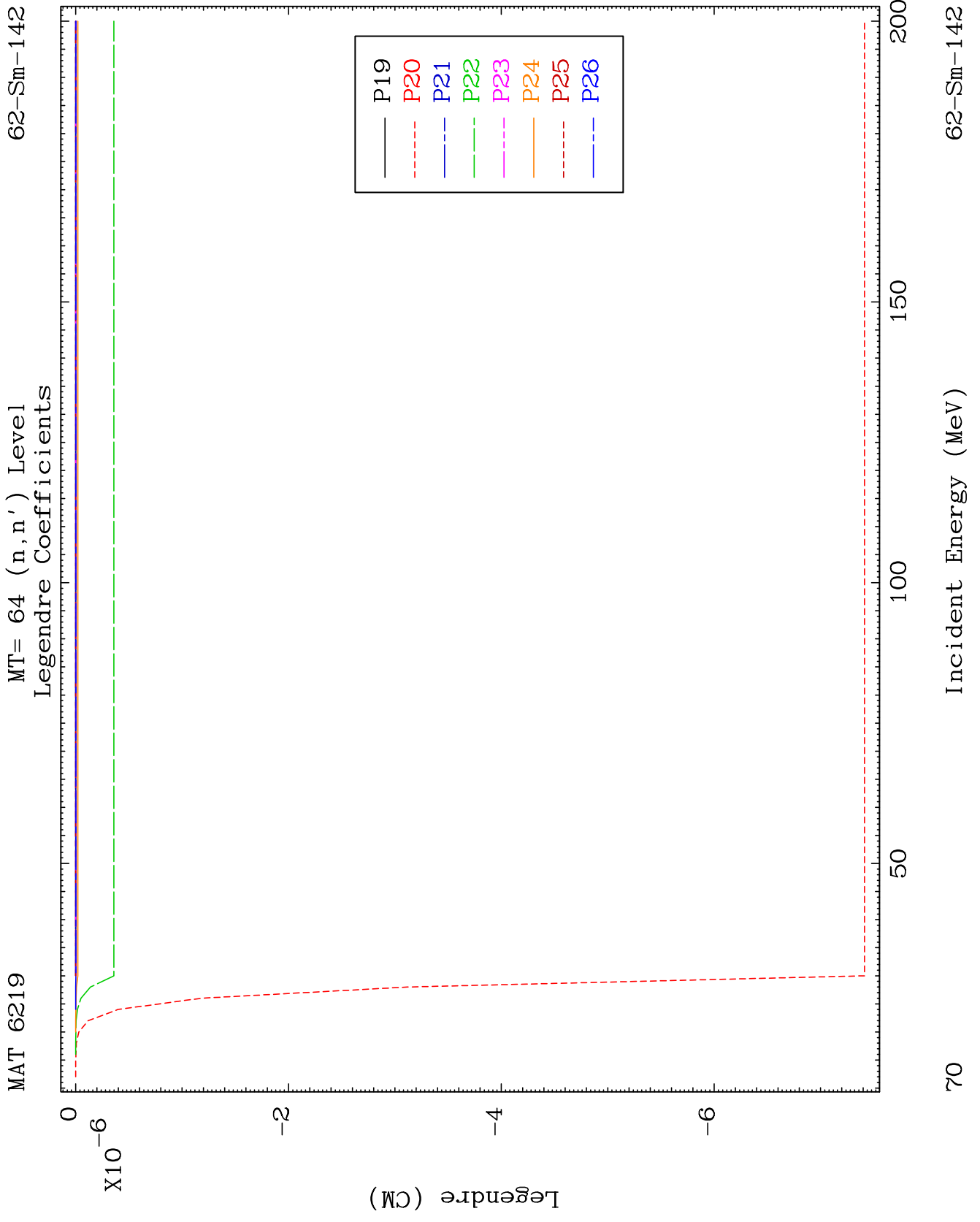
62-Sm-142



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Incident Energy (MeV)

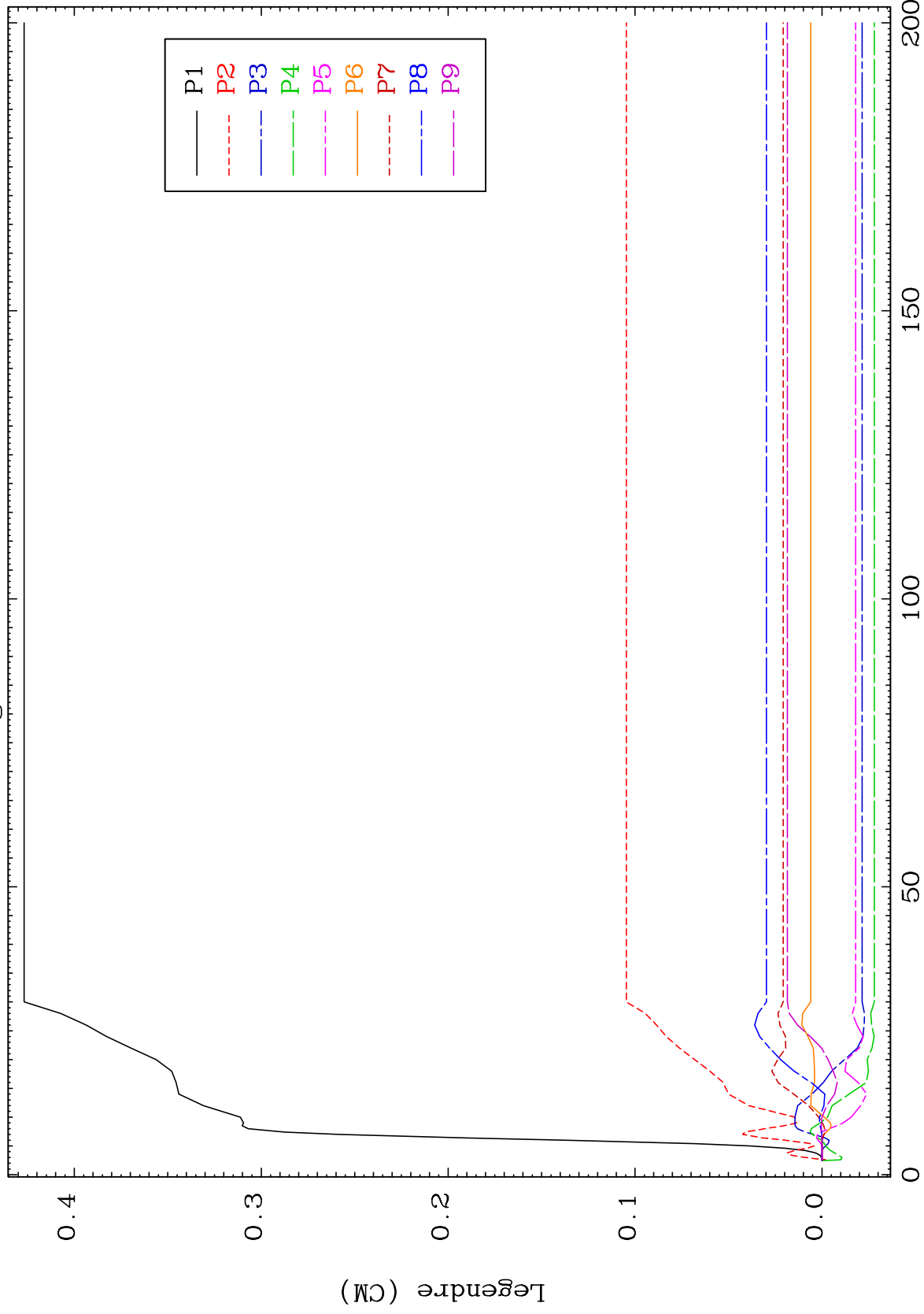
62-Sm-142



MAT 6219

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

62-Sm-142



71

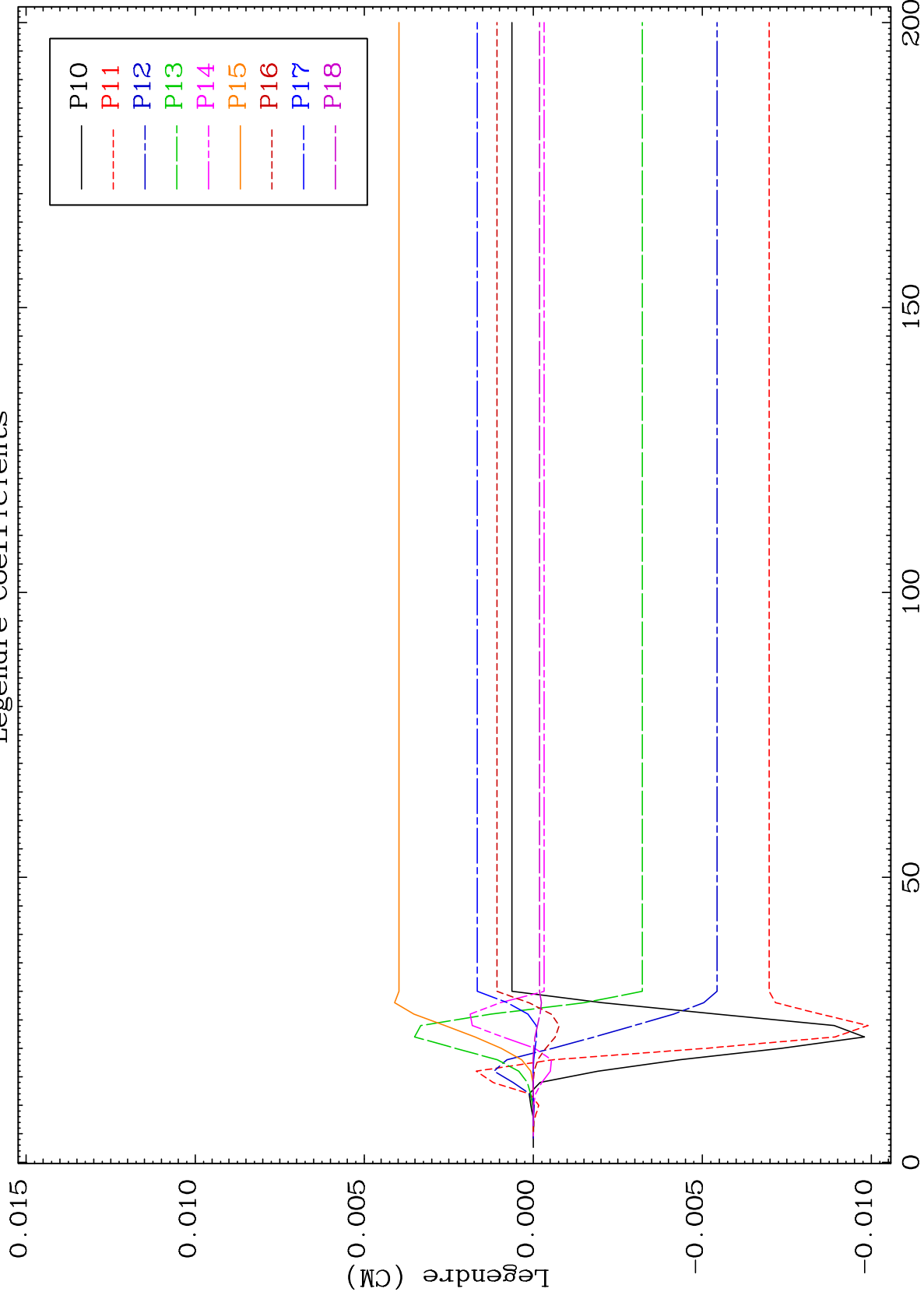
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

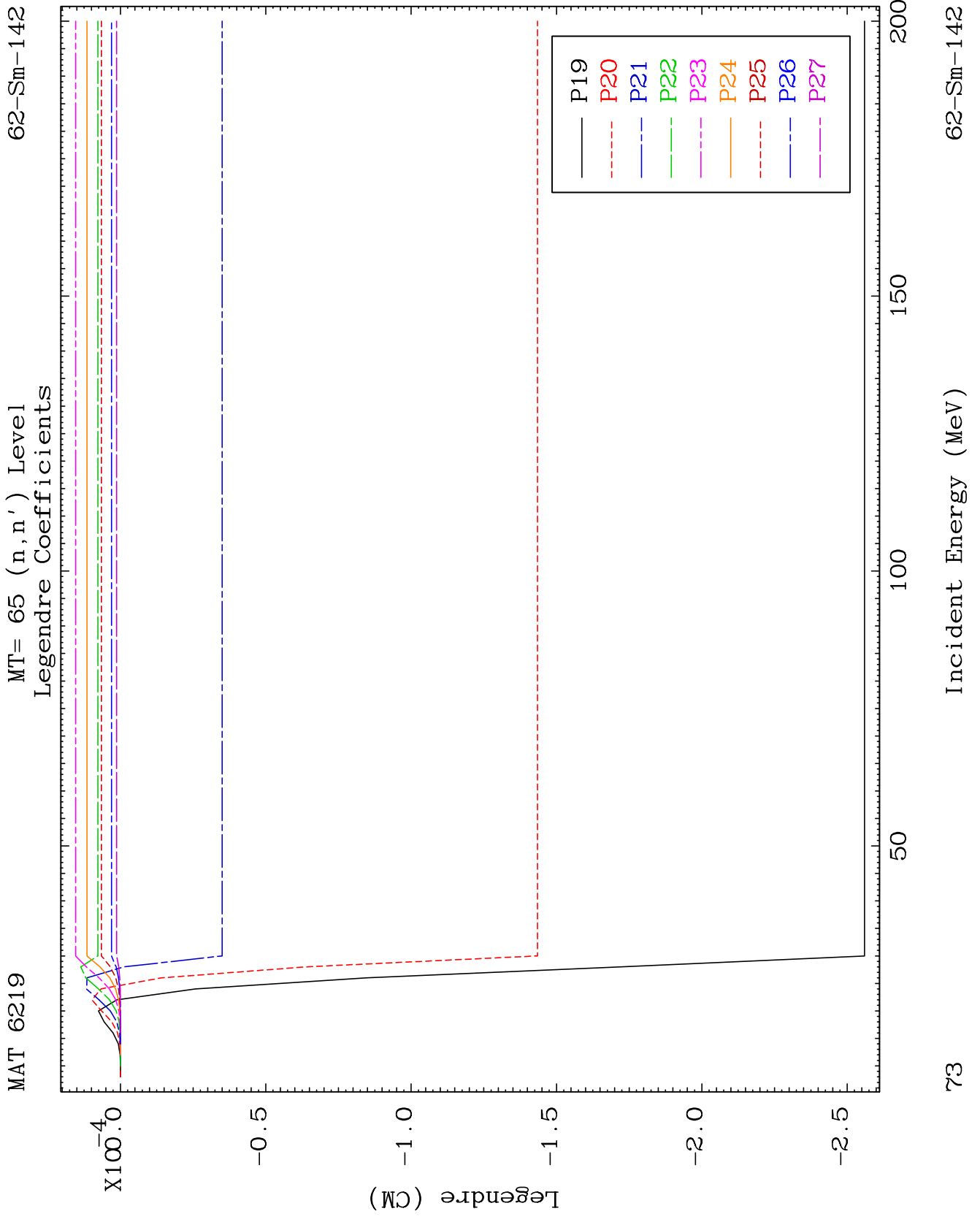
62-Sm-142



72

Incident Energy (MeV)

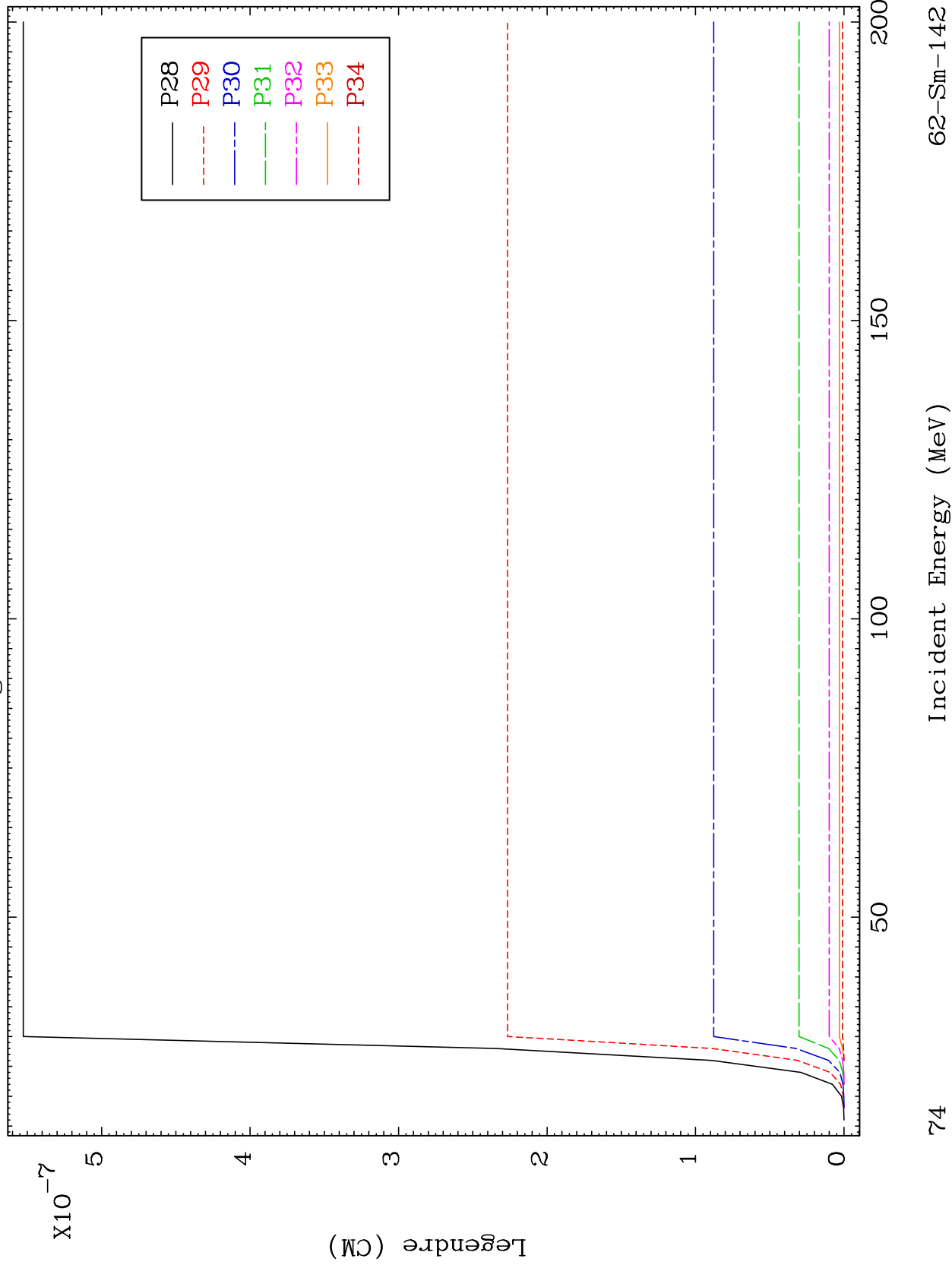
62-Sm-142



MAT 6219

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

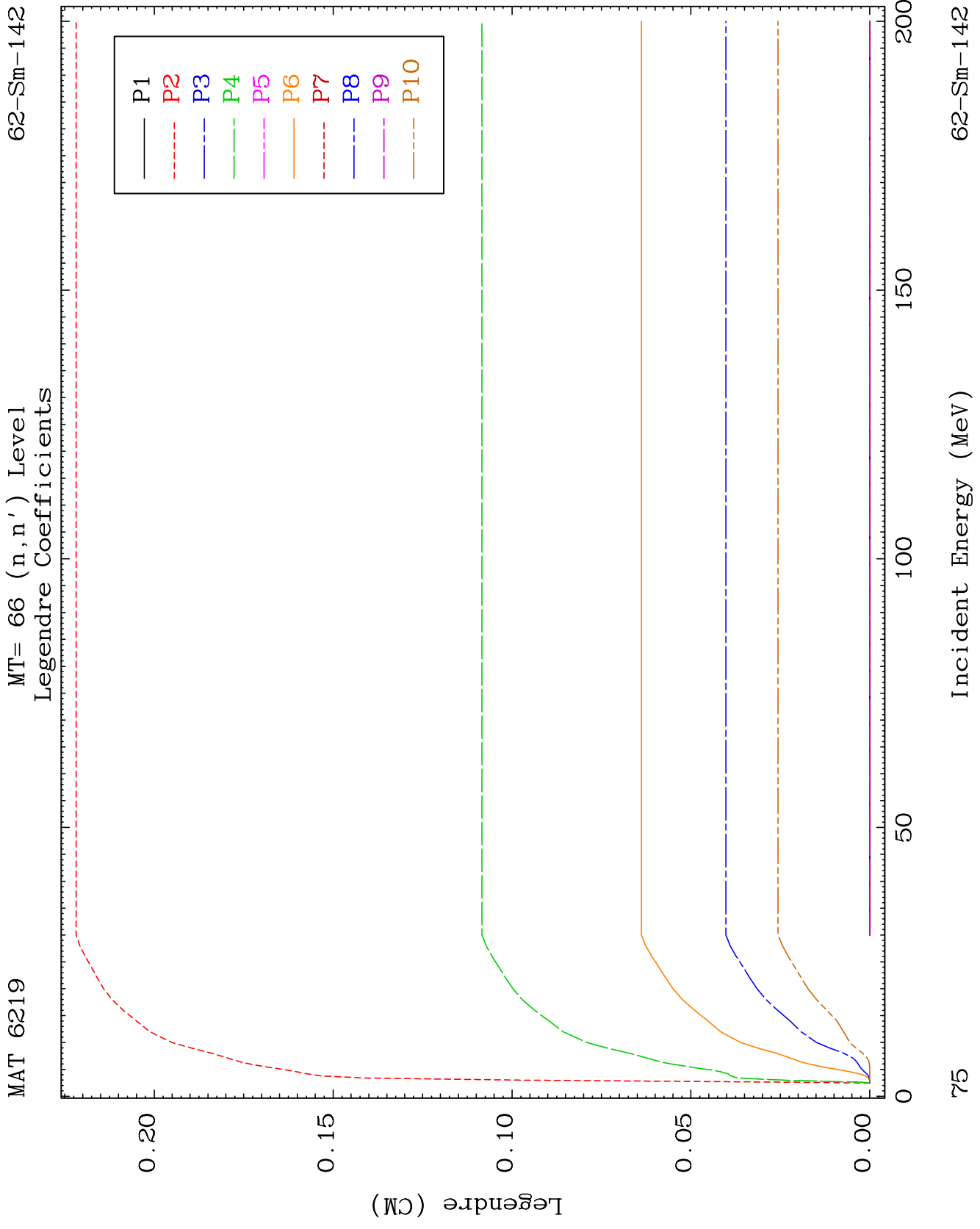
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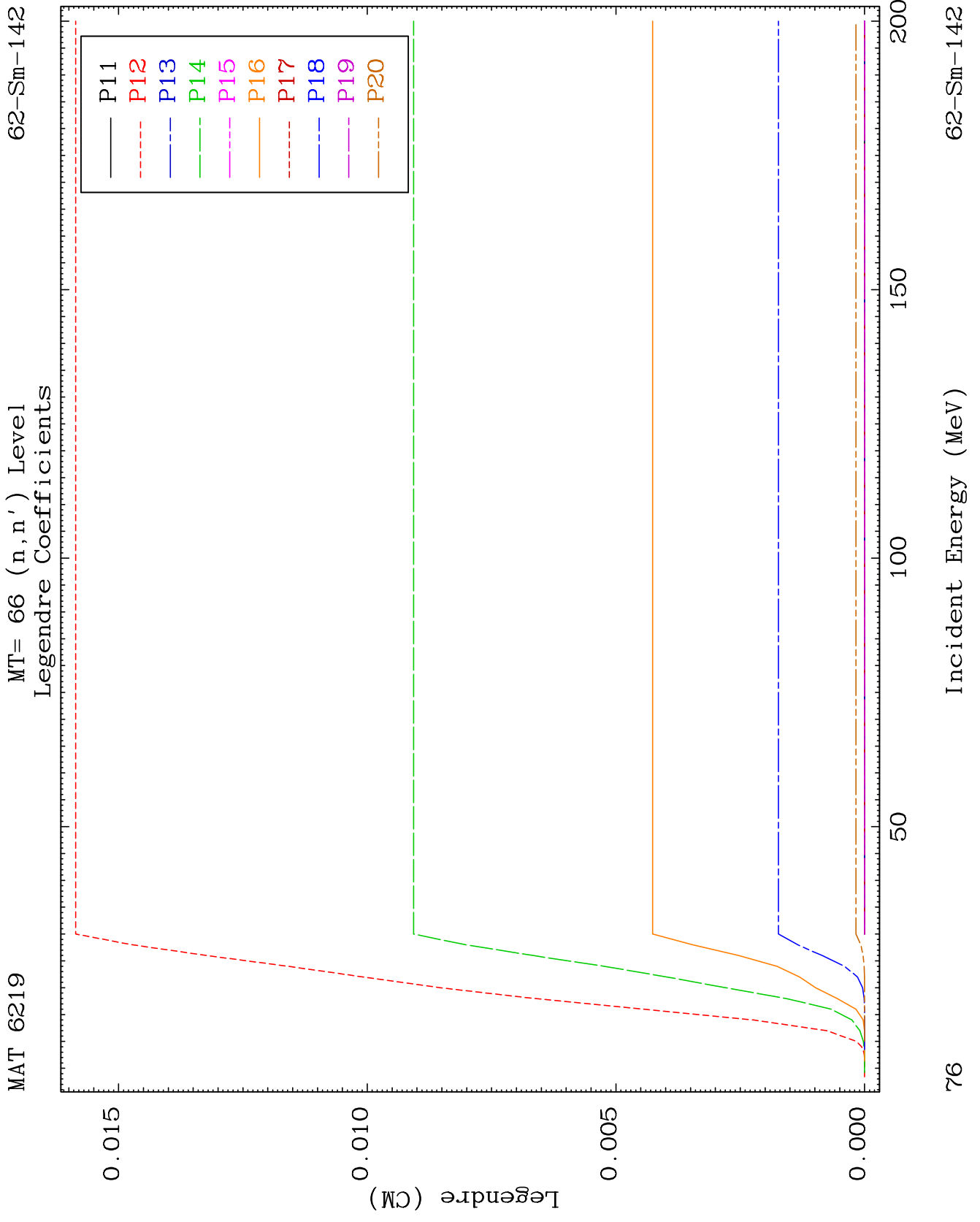


74

Incident Energy (MeV)

62-Sm-142

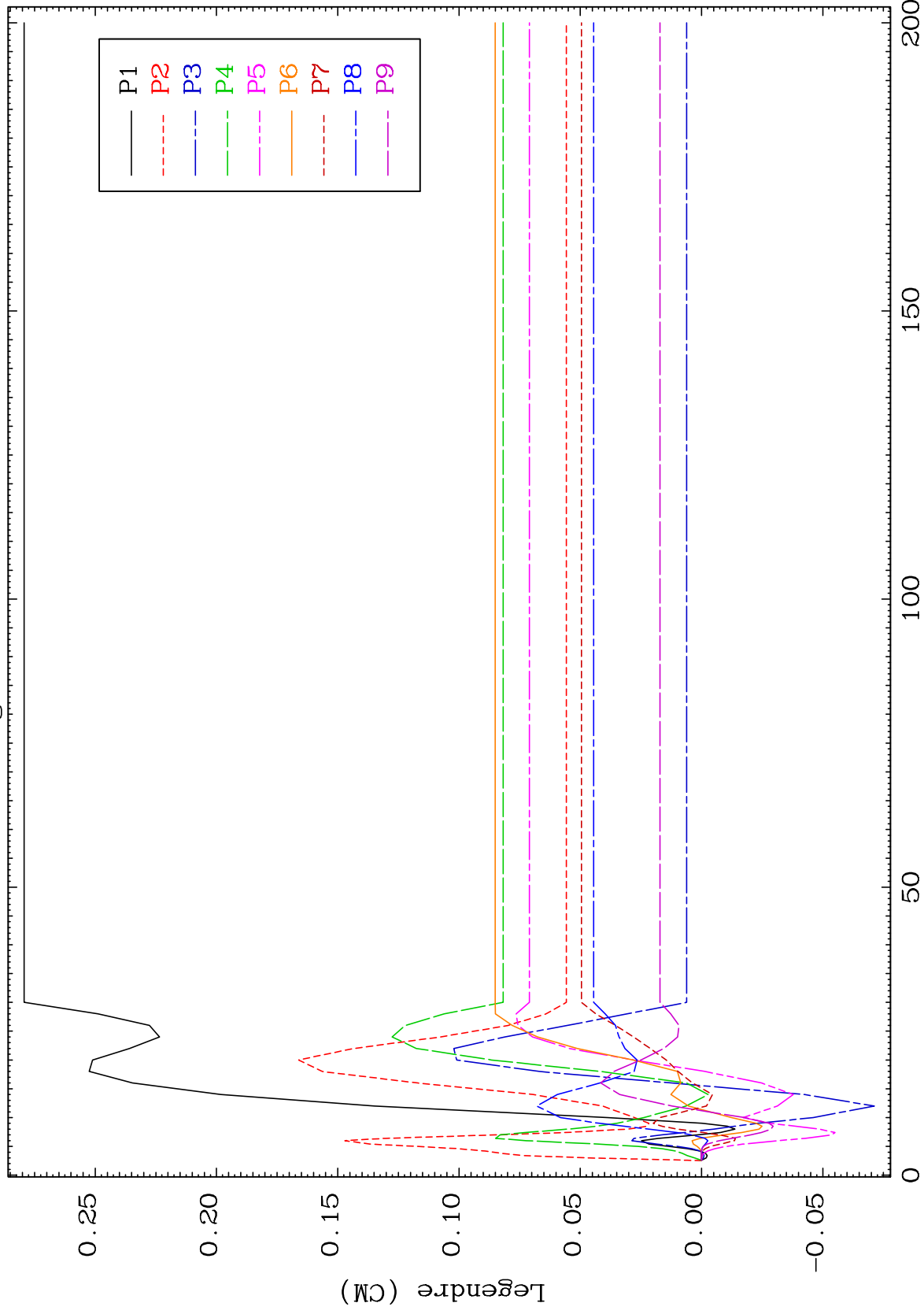




MAT 6219

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

62-Sm-142



Incident Energy (MeV)

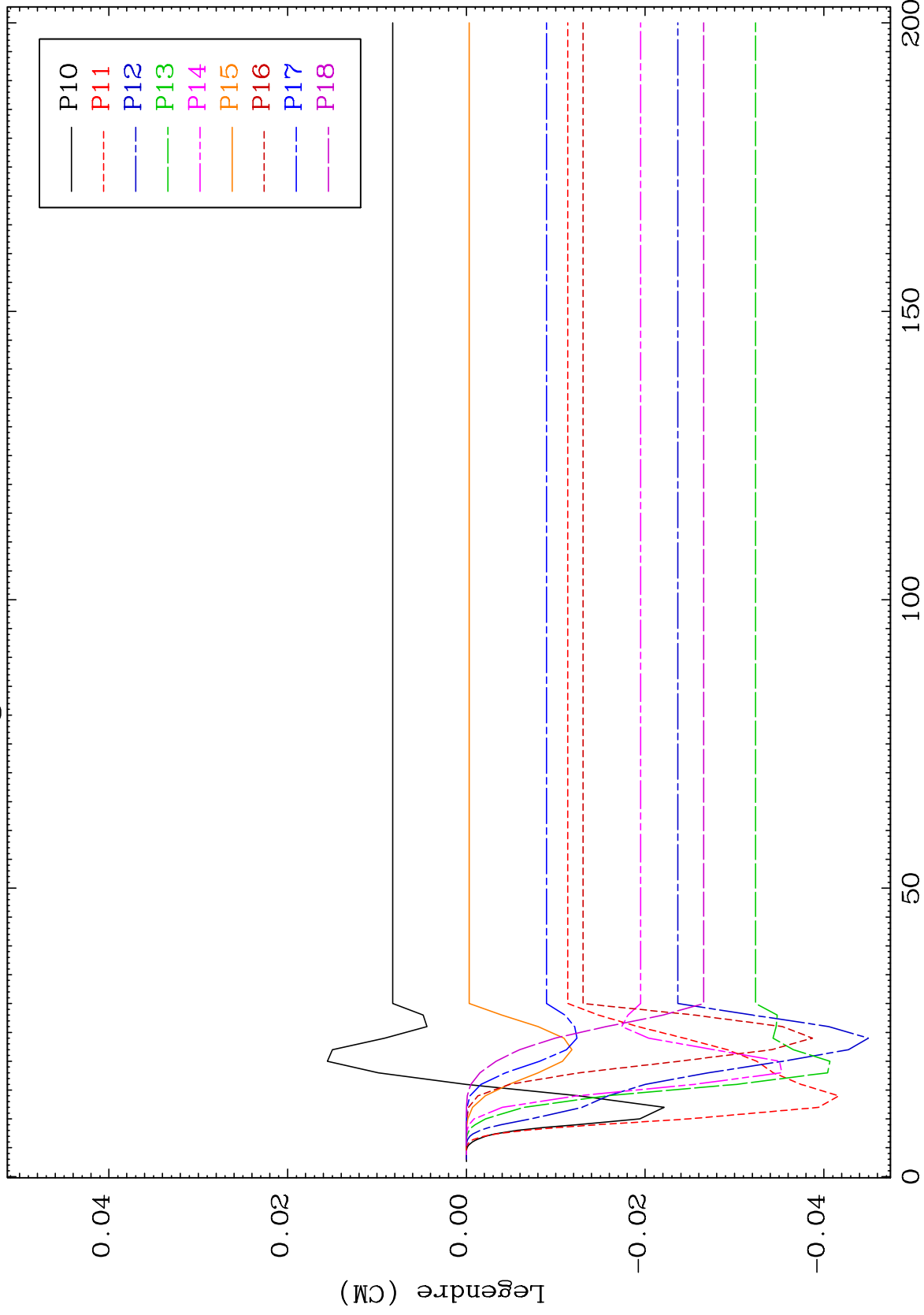
62-Sm-142

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MAT 6219

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

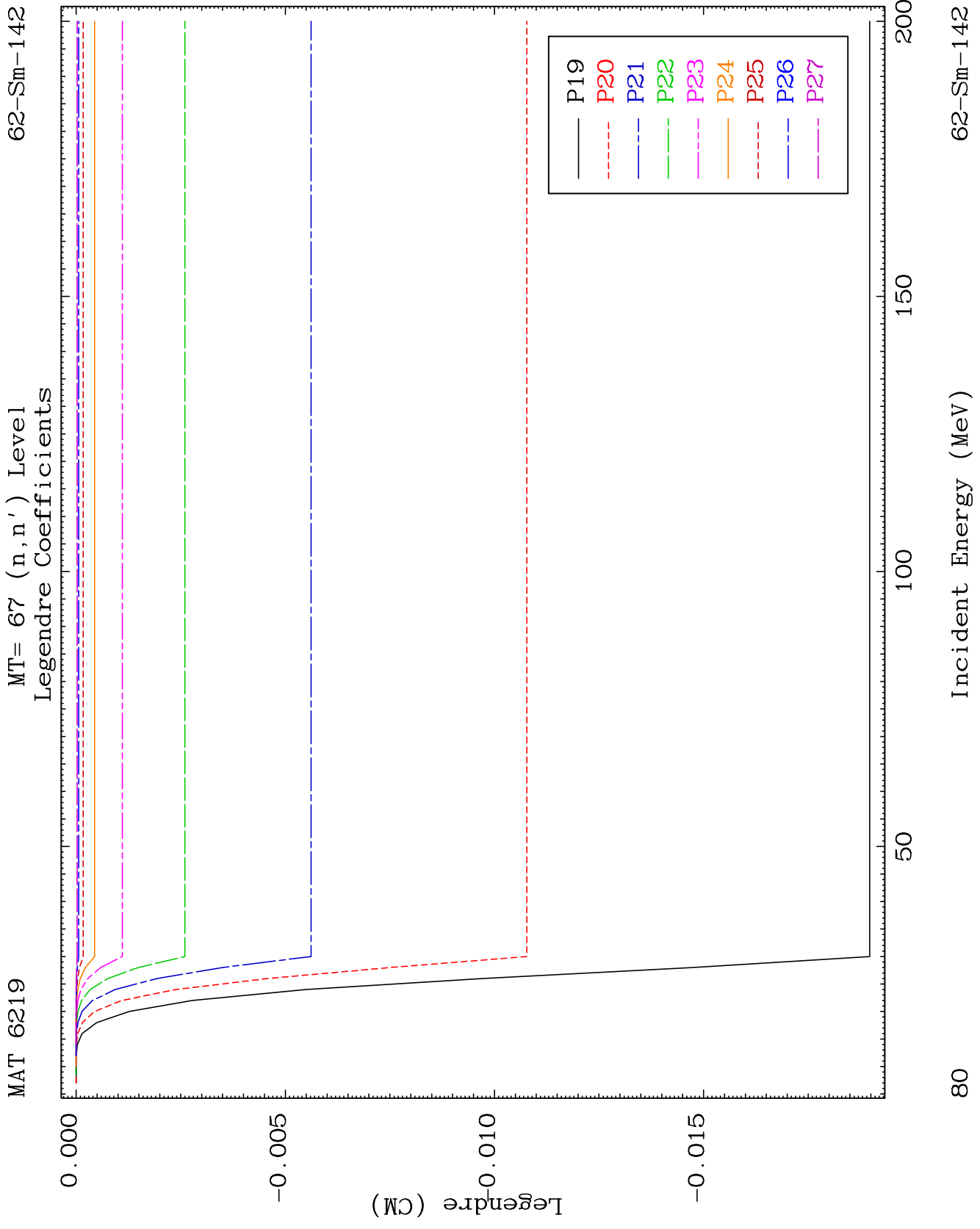
62-Sm-142

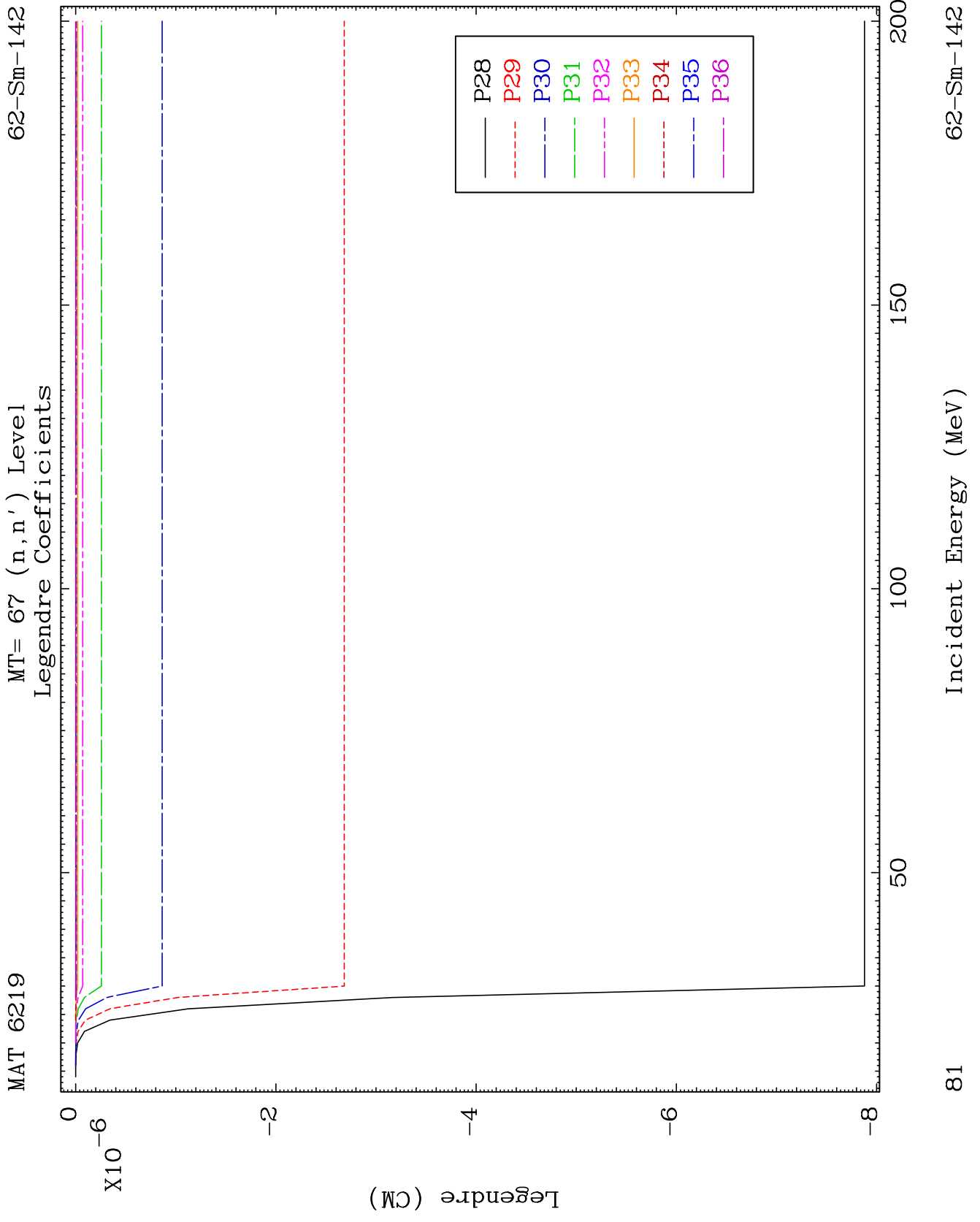


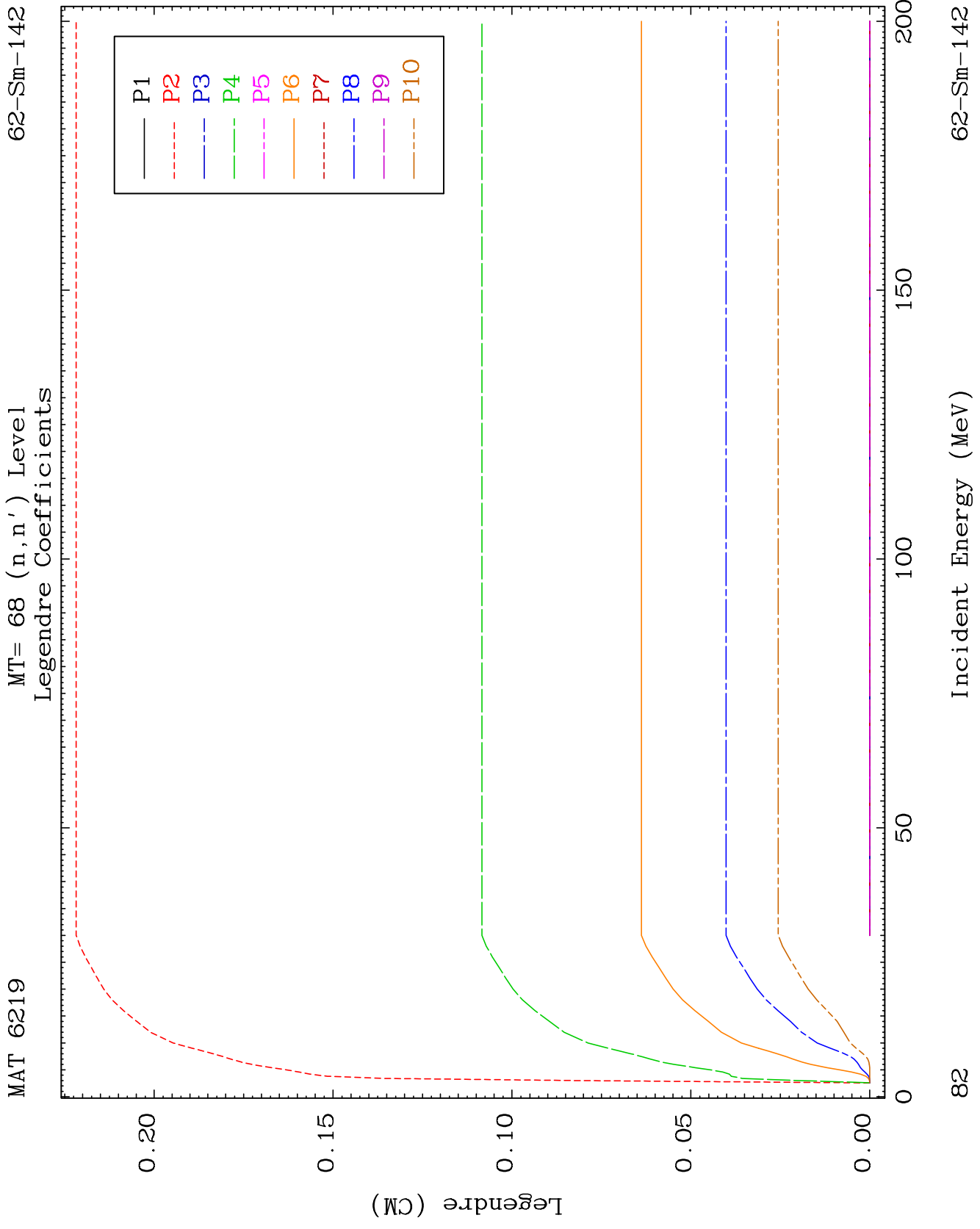
79

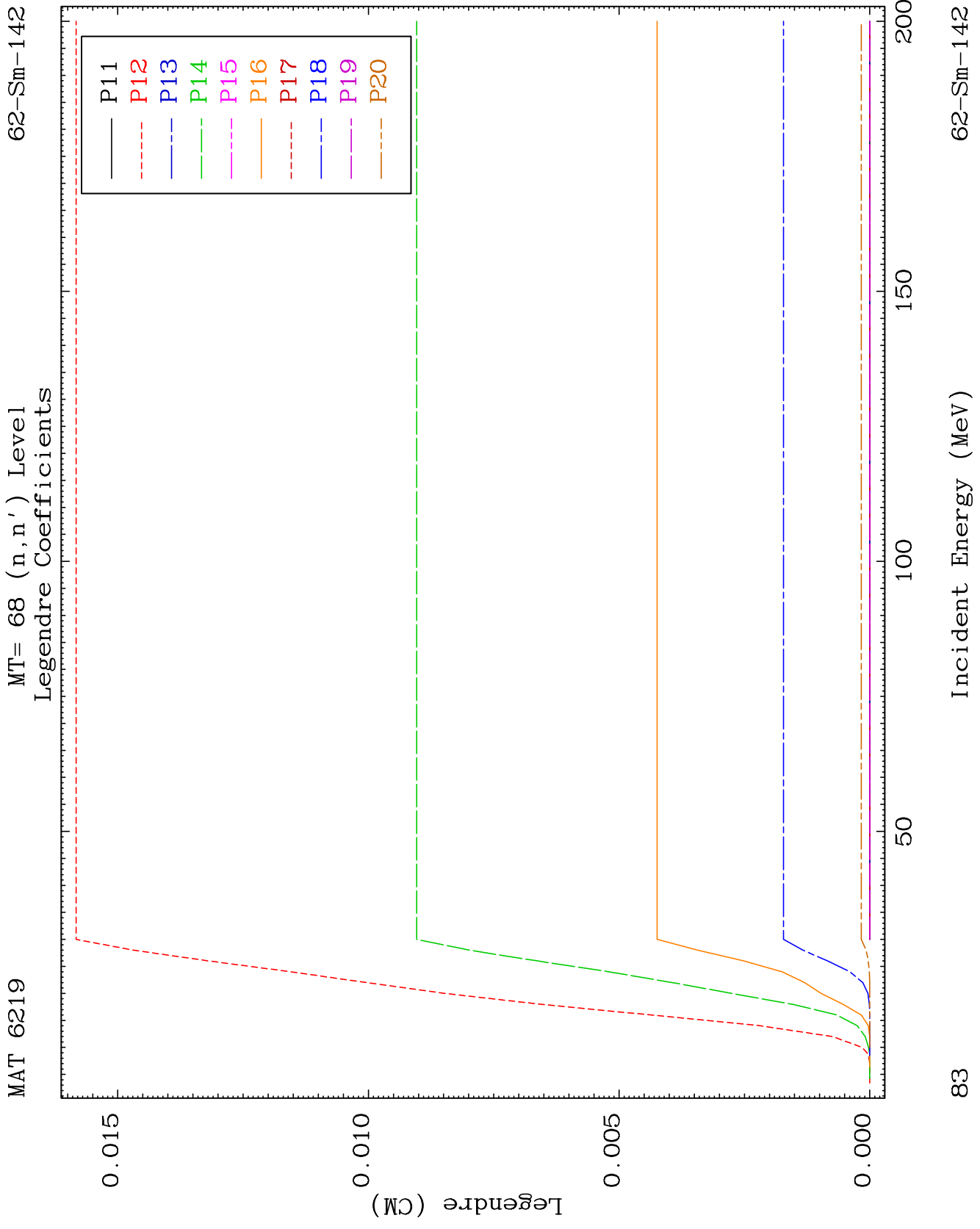
Incident Energy (MeV)

62-Sm-142





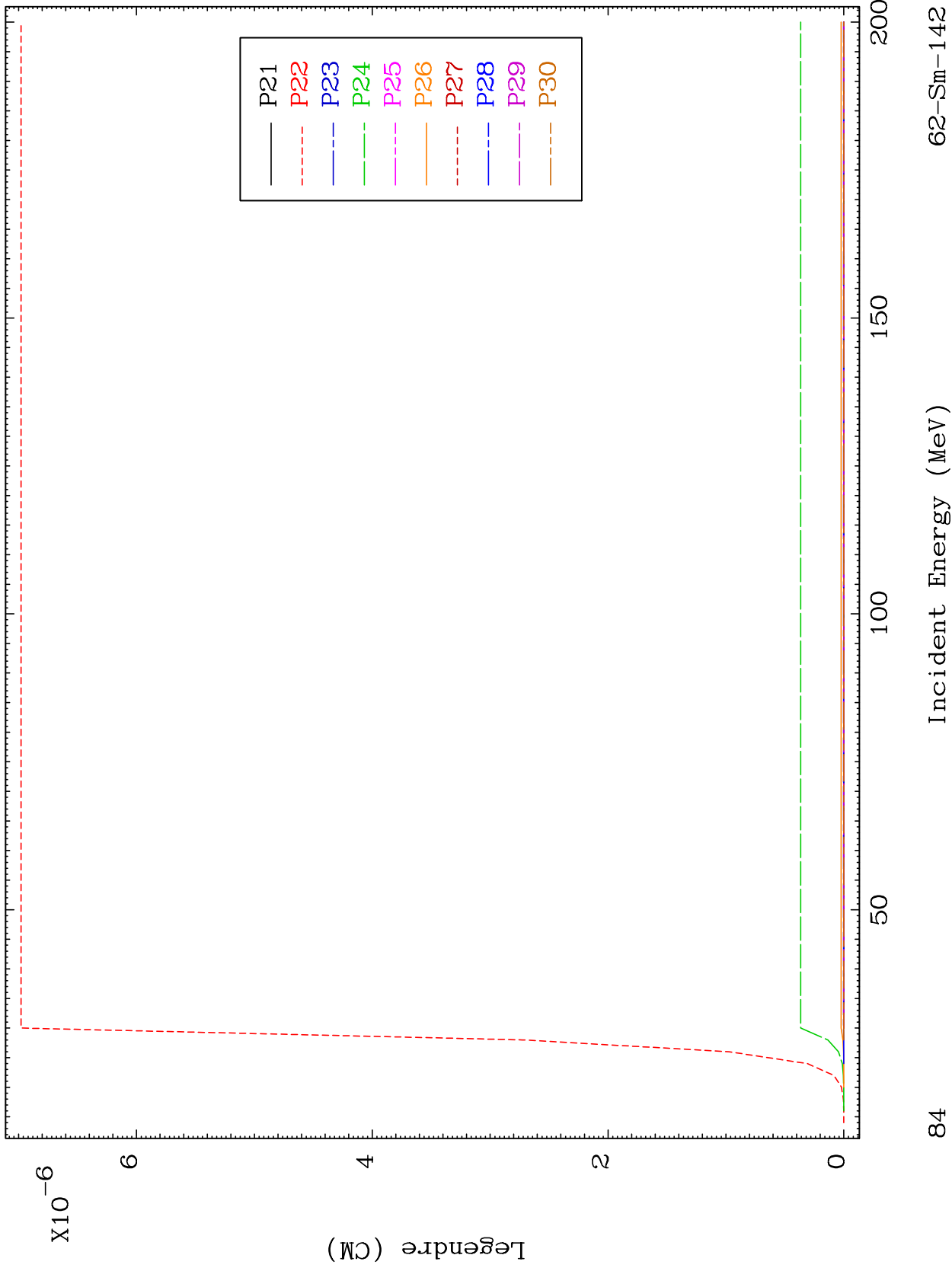




MAT 6219

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

62-Sm-142



84

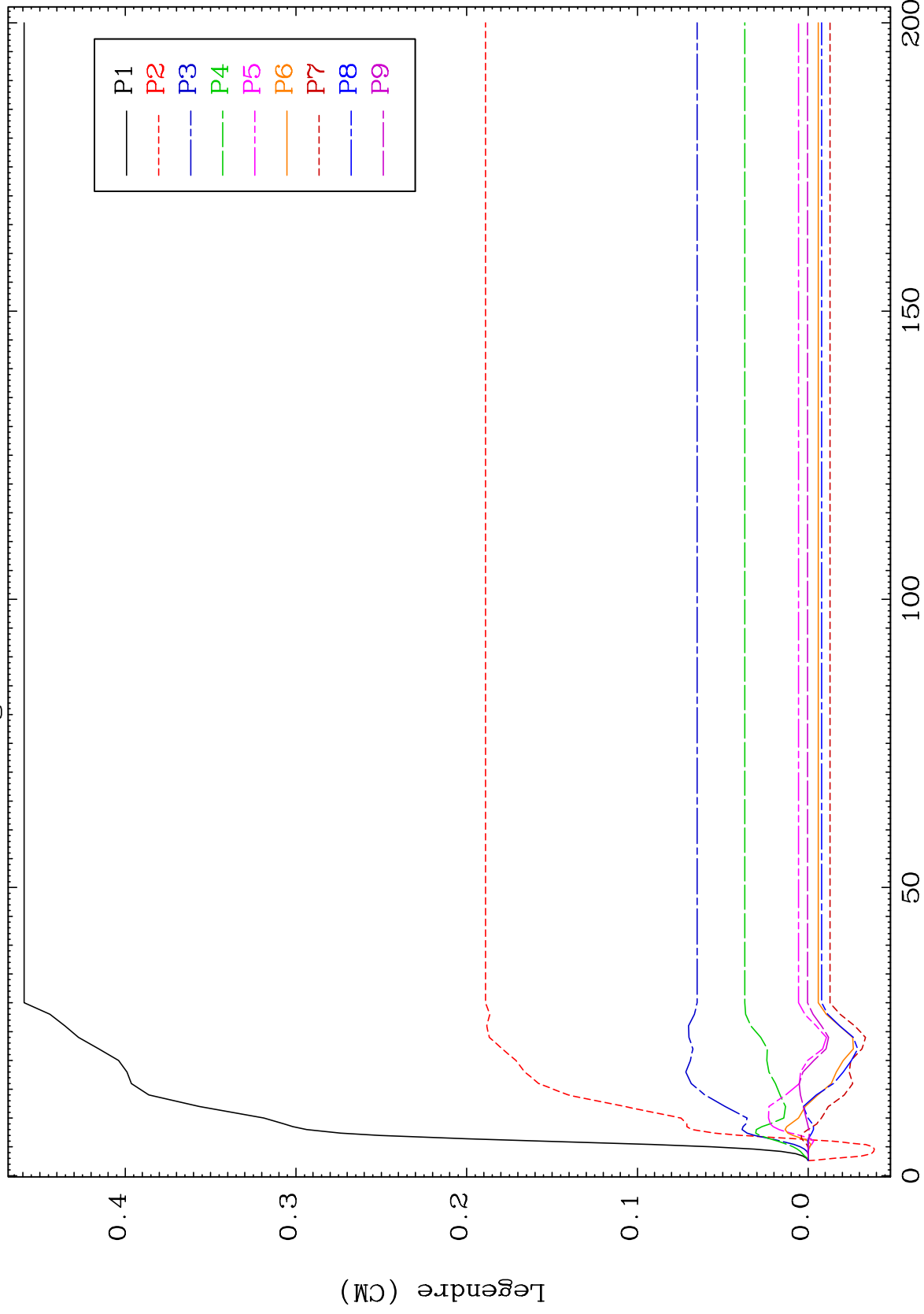
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



85

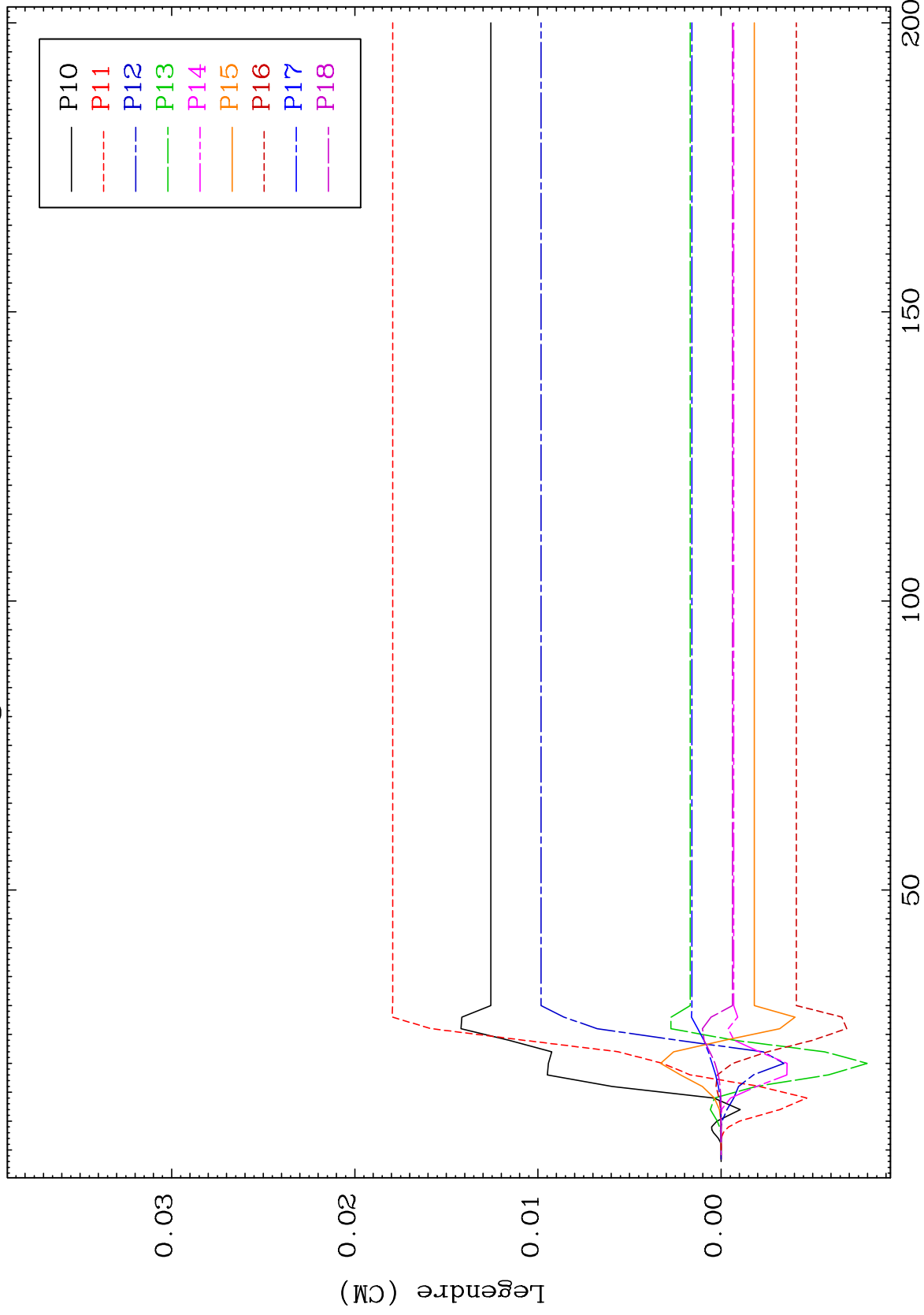
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



86

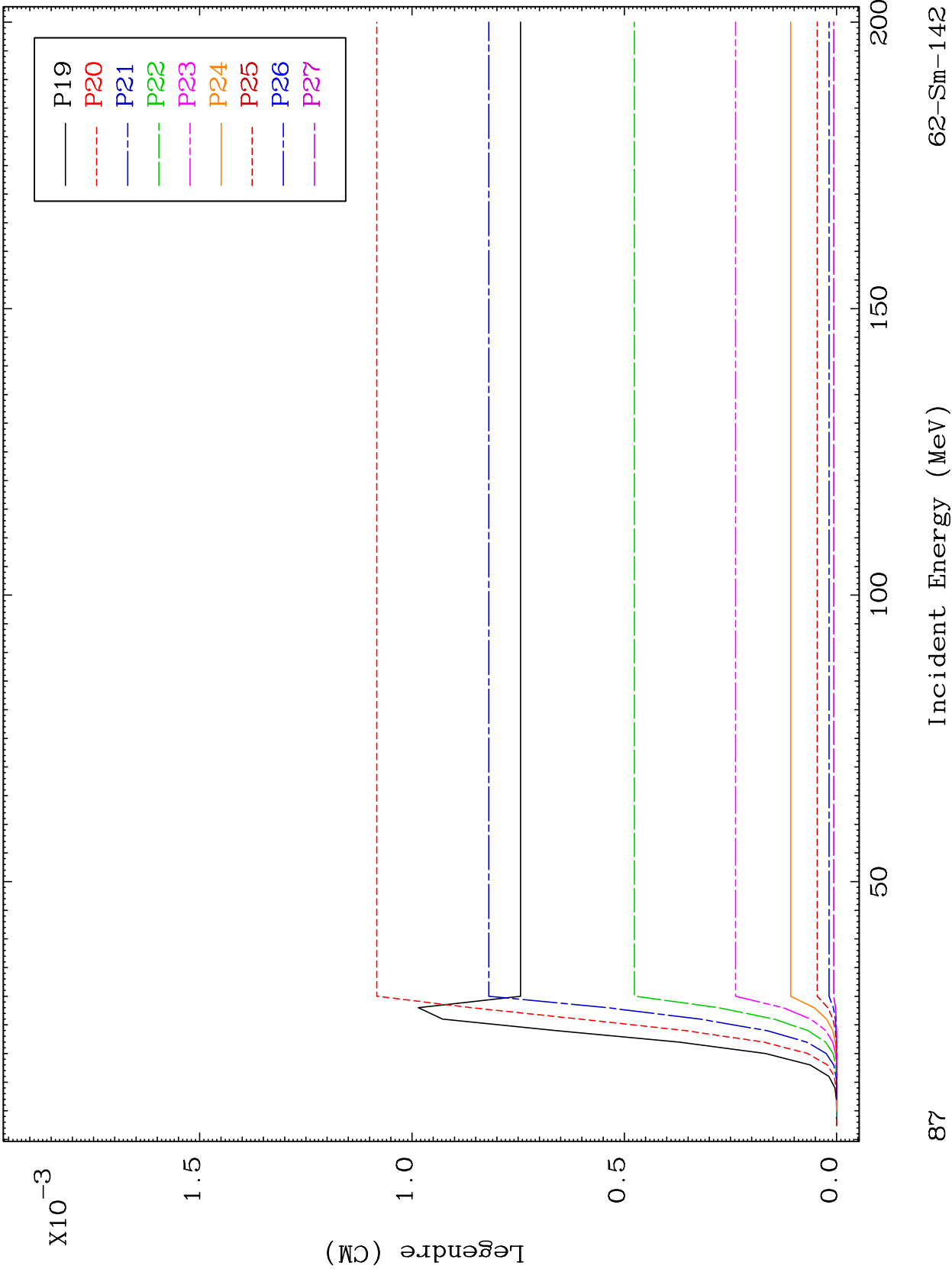
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

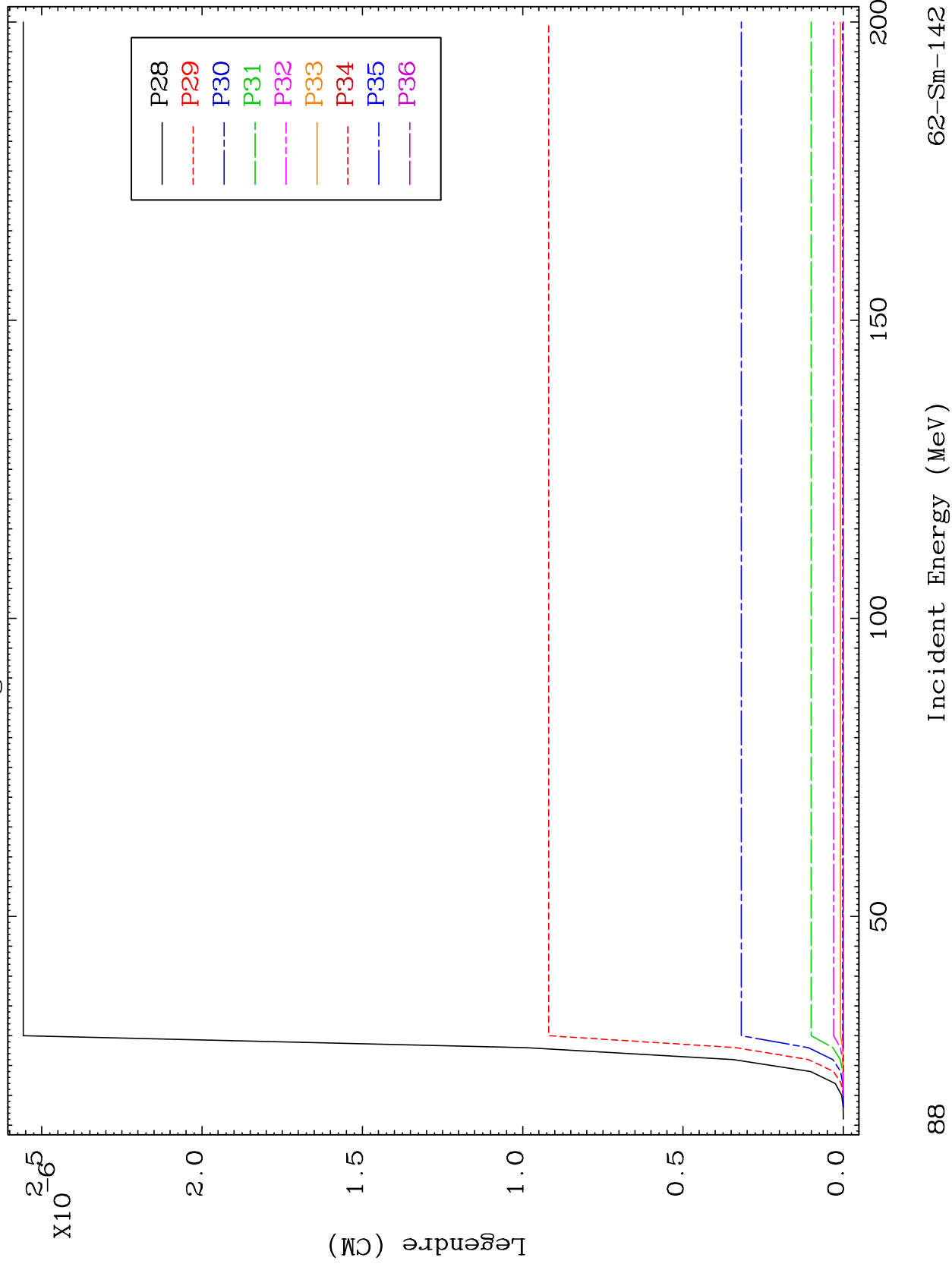
62-Sm-142



MAT 6219

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

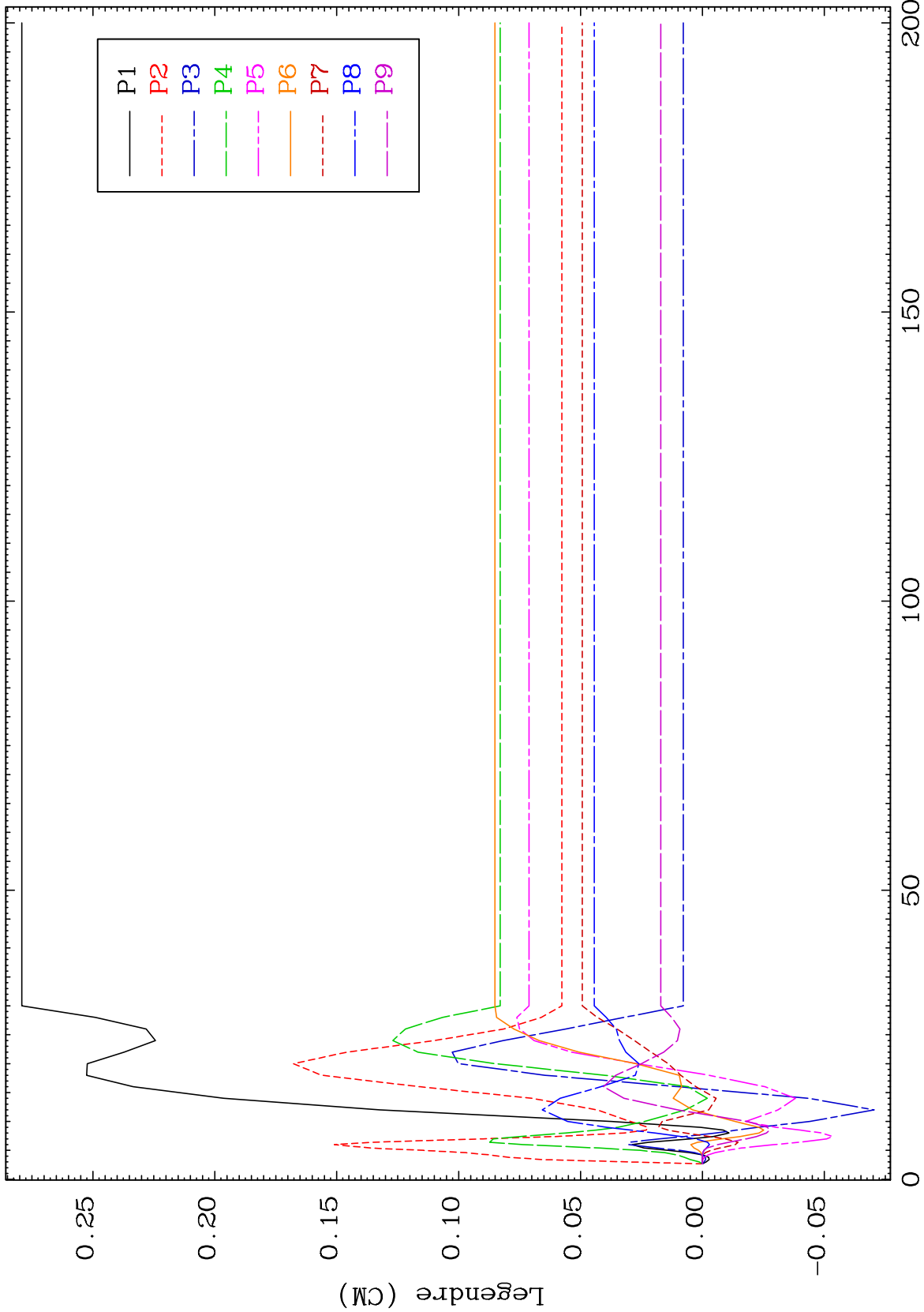
62-Sm-142



MAT 6219

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

62-Sm-142



89

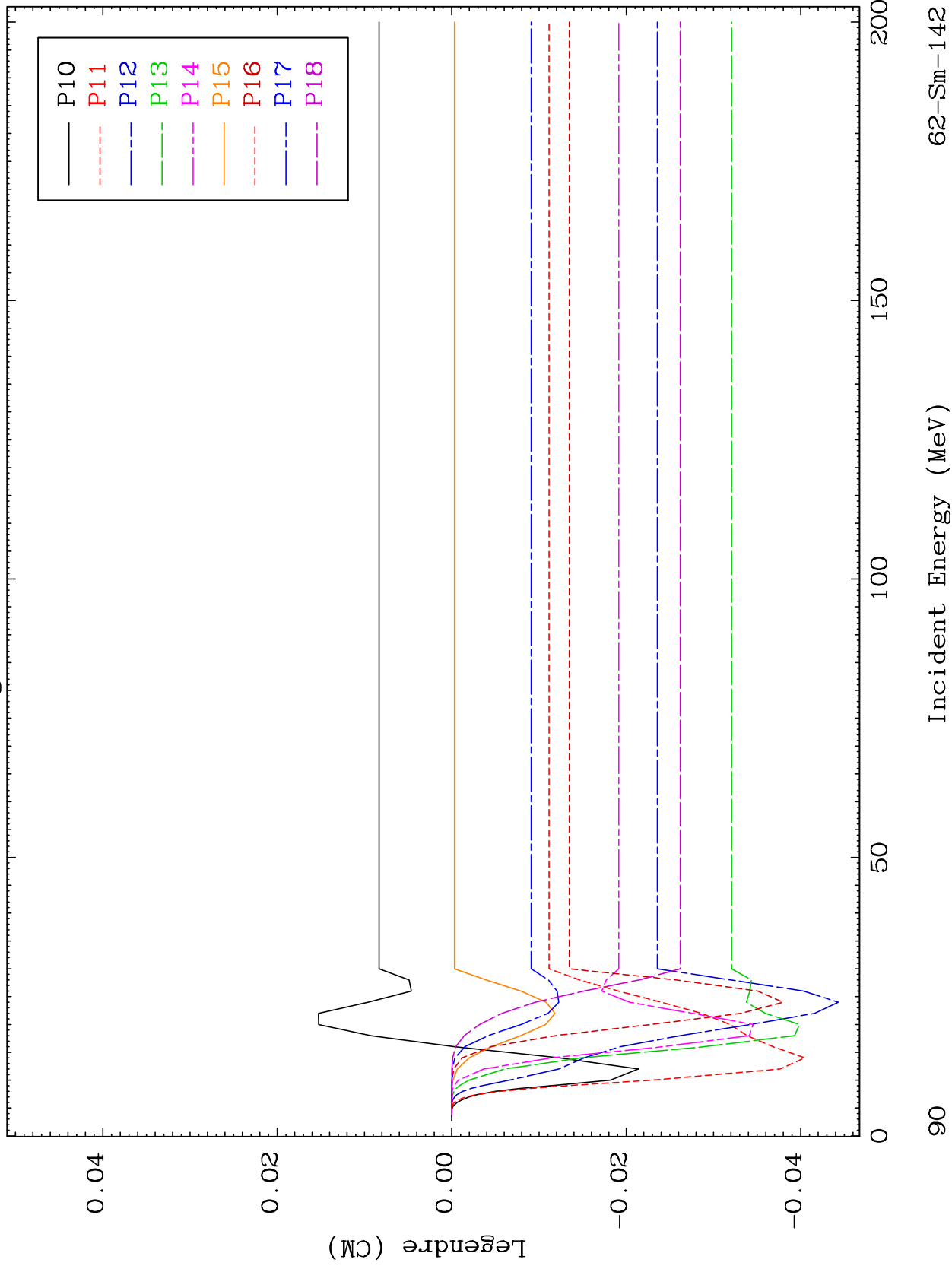
Incident Energy (MeV)

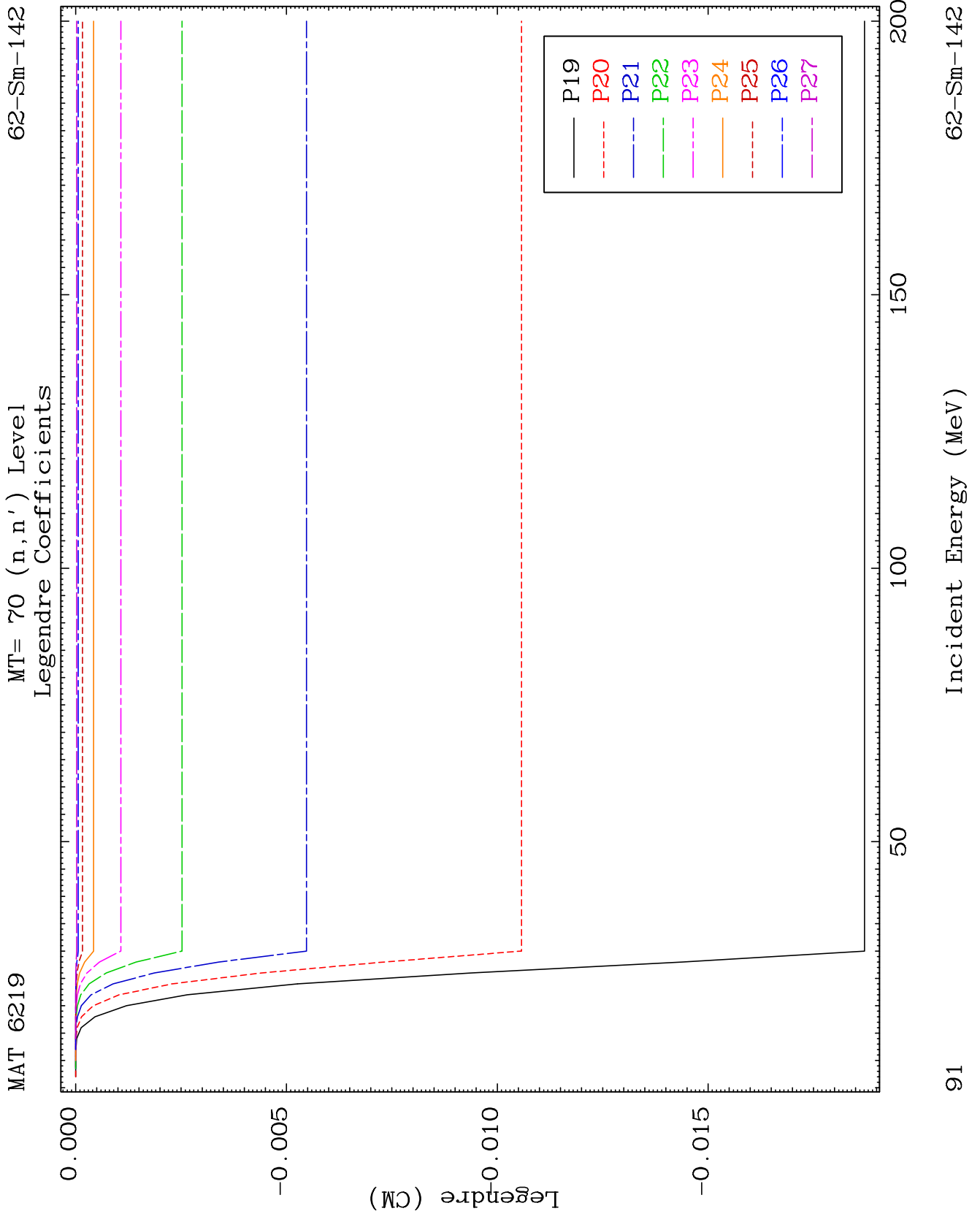
62-Sm-142

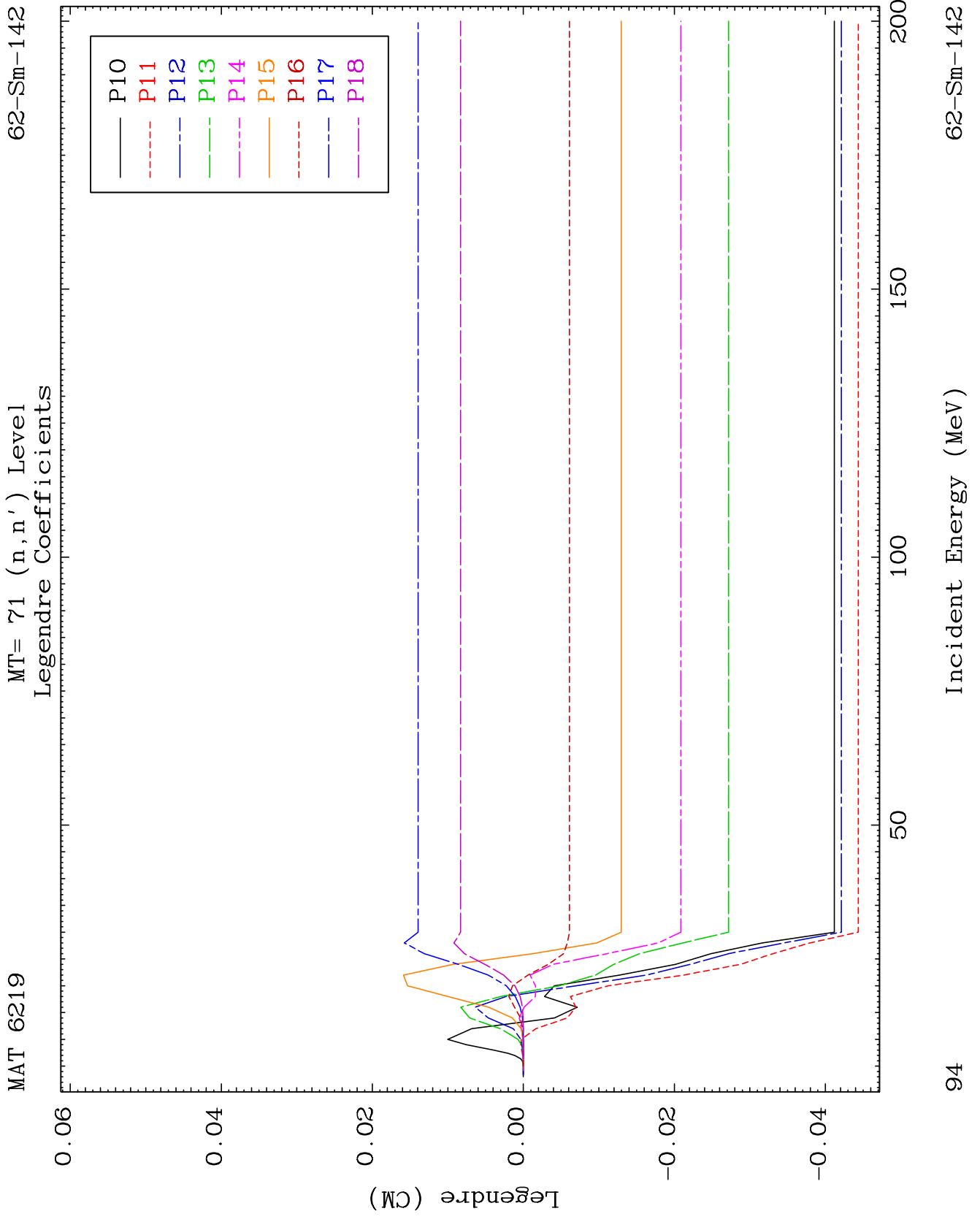
MAT 6219

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

62-Sm-142



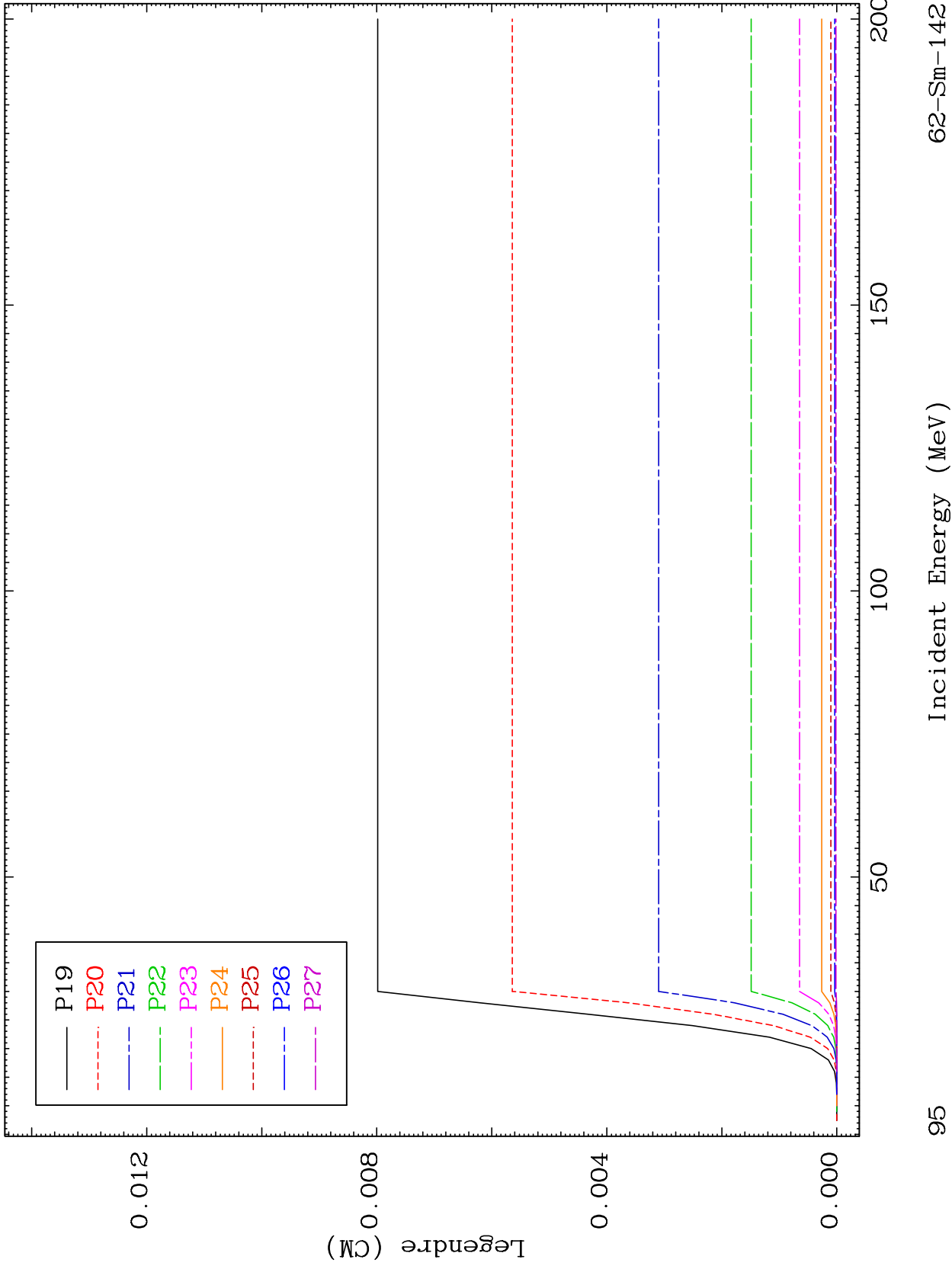




MAT 6219

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

62-Sm-142



95

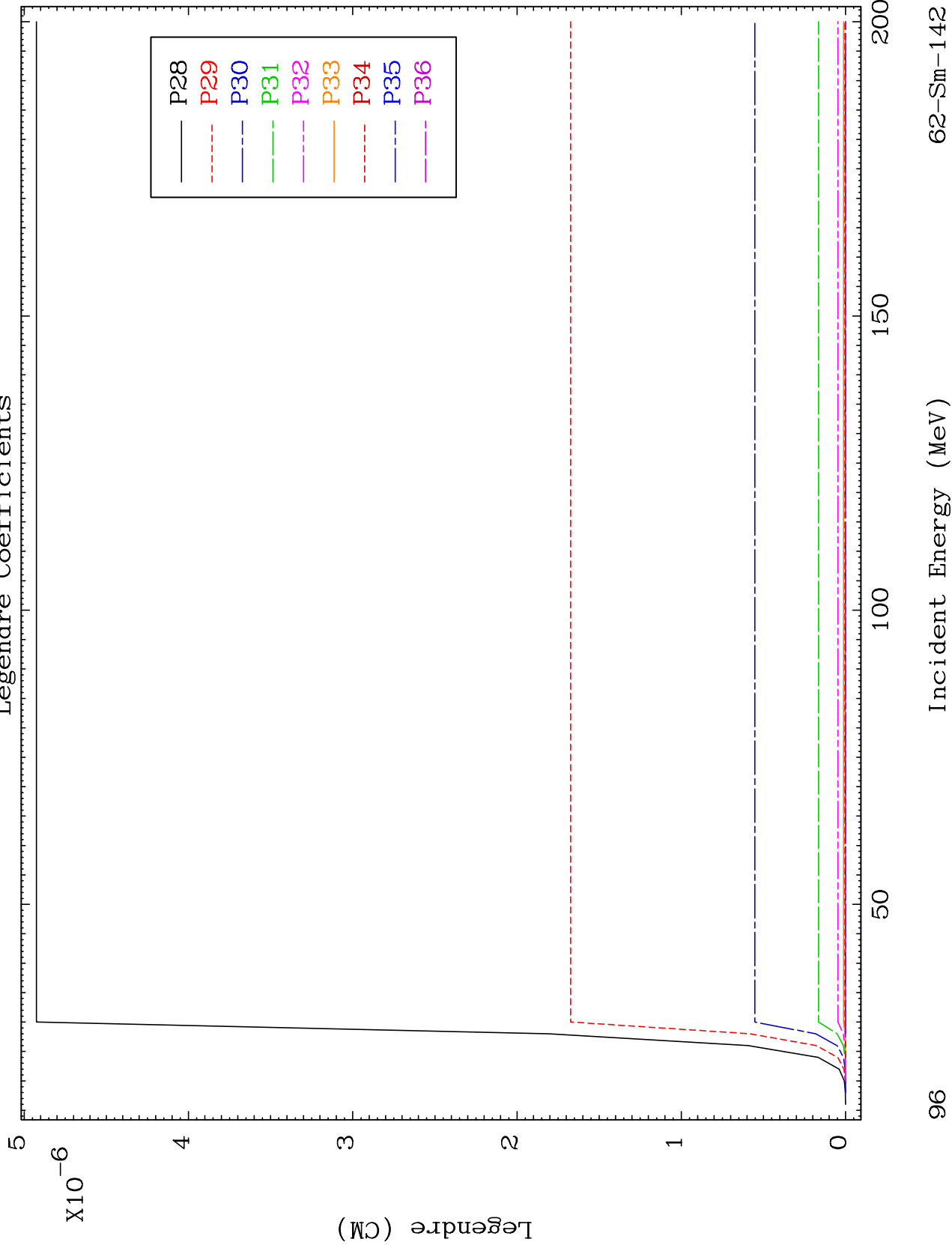
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

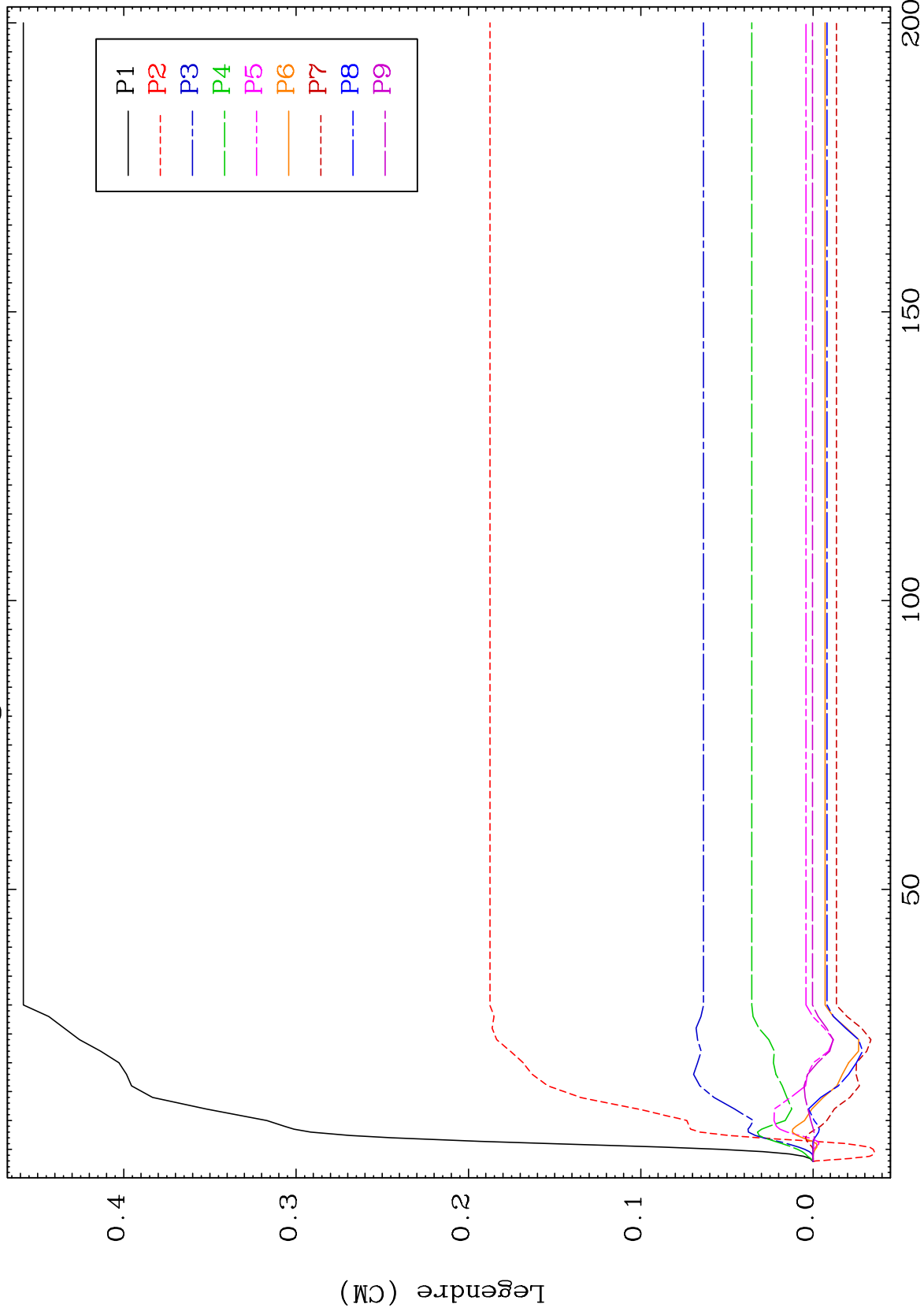
62-Sm-142



MAT 6219

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

62-Sm-142



97

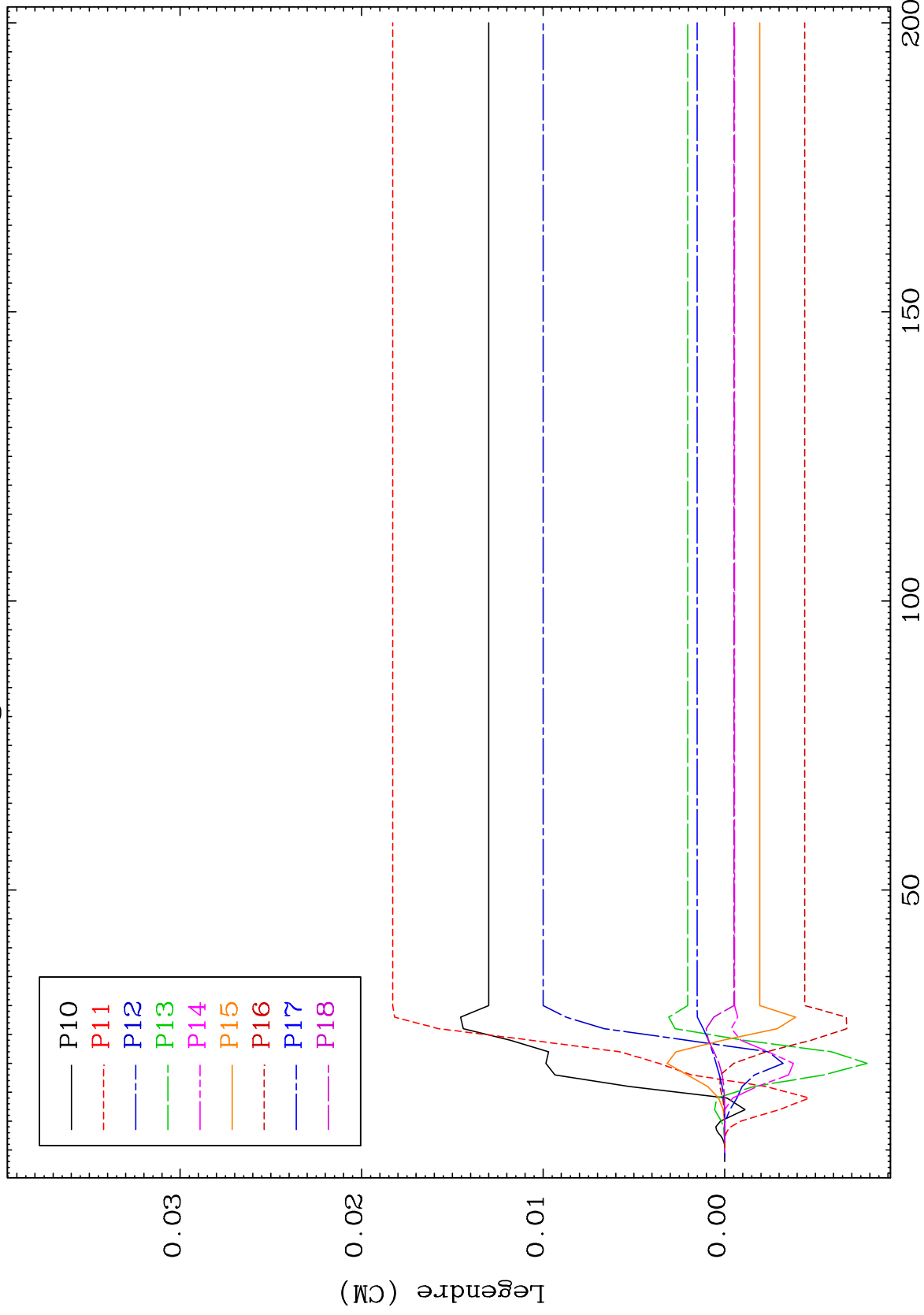
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



98

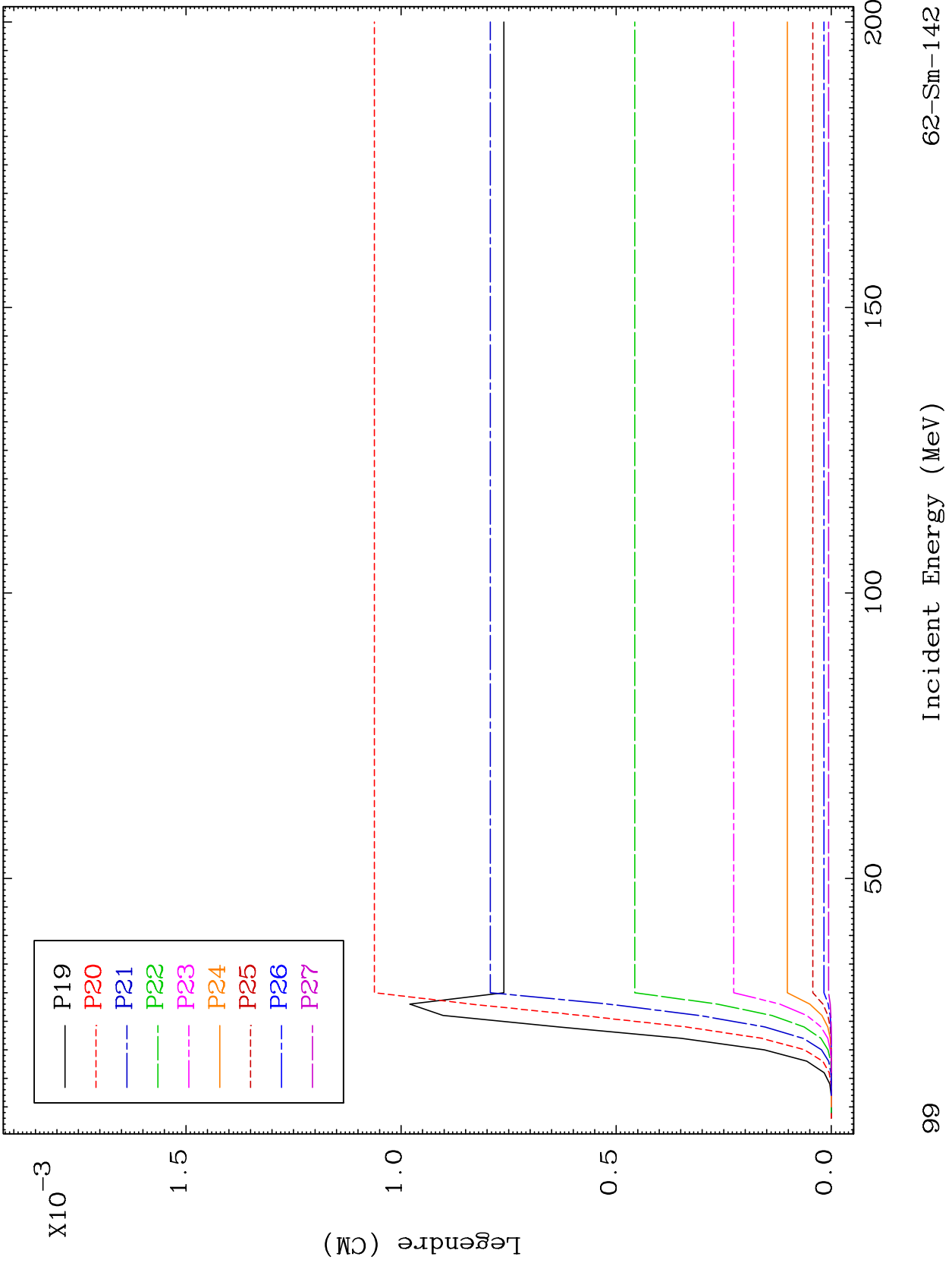
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

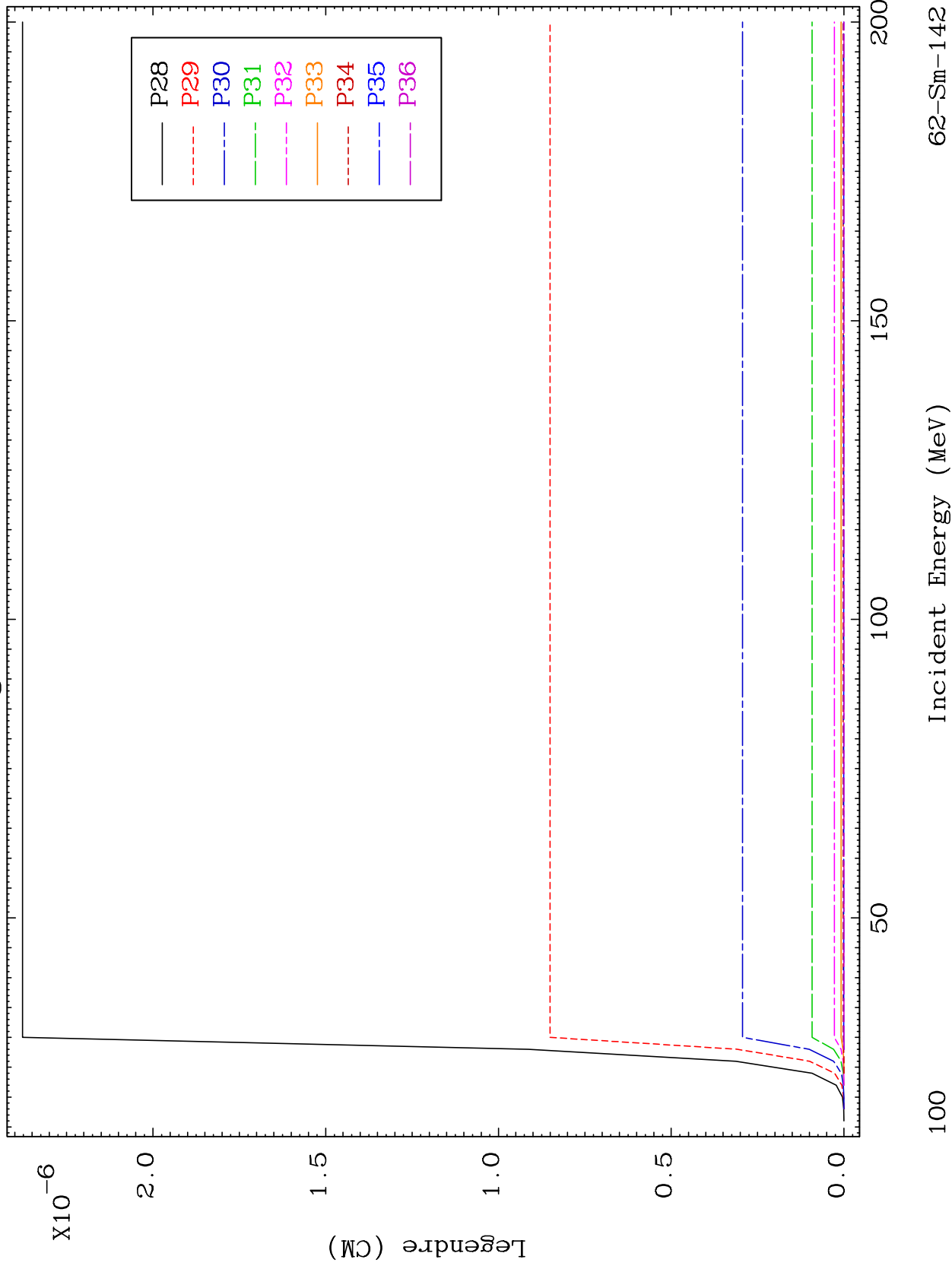
62-Sm-142



MAT 6219

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

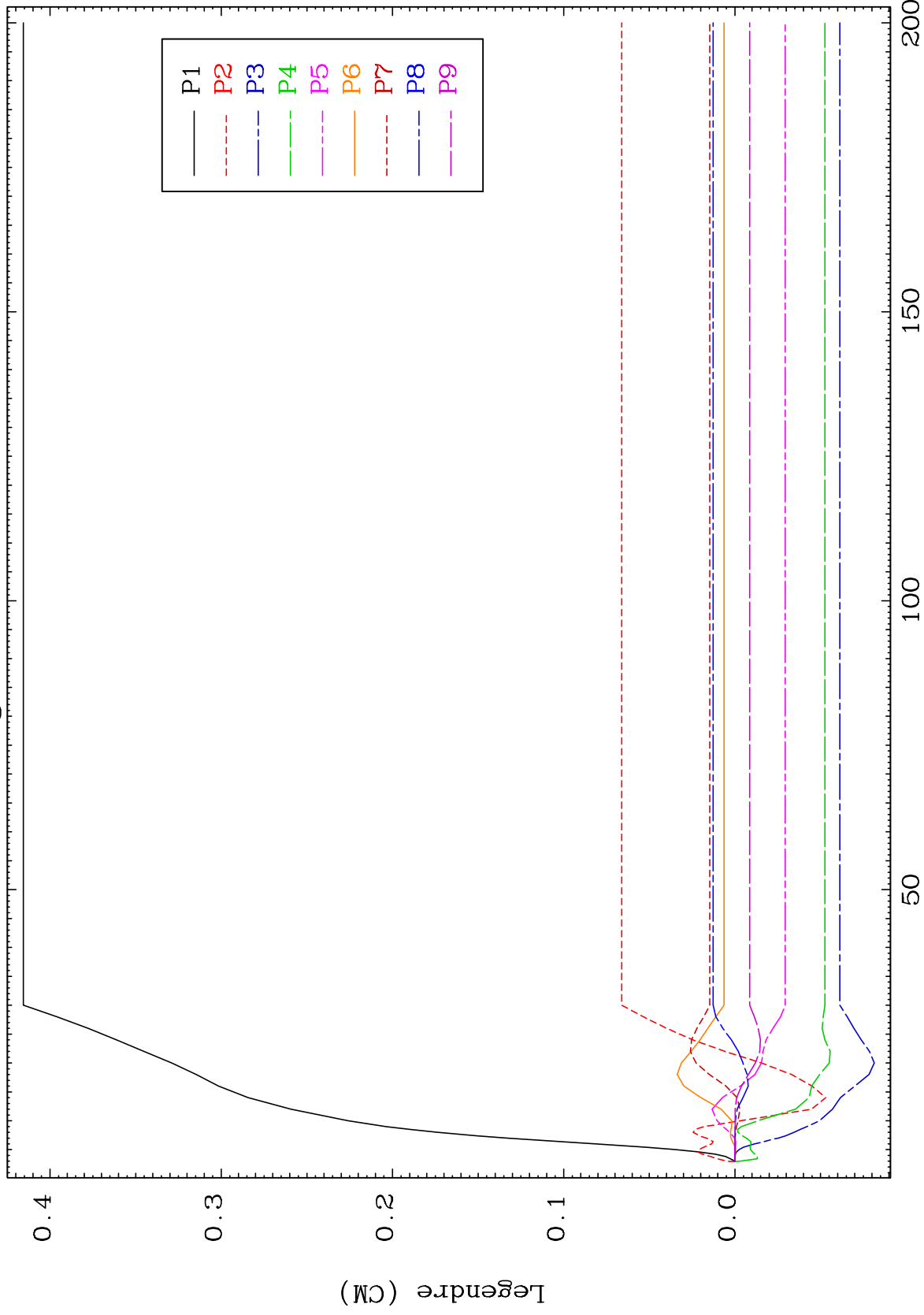
62-Sm-142



MAT 6219

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

62-Sm-142



101

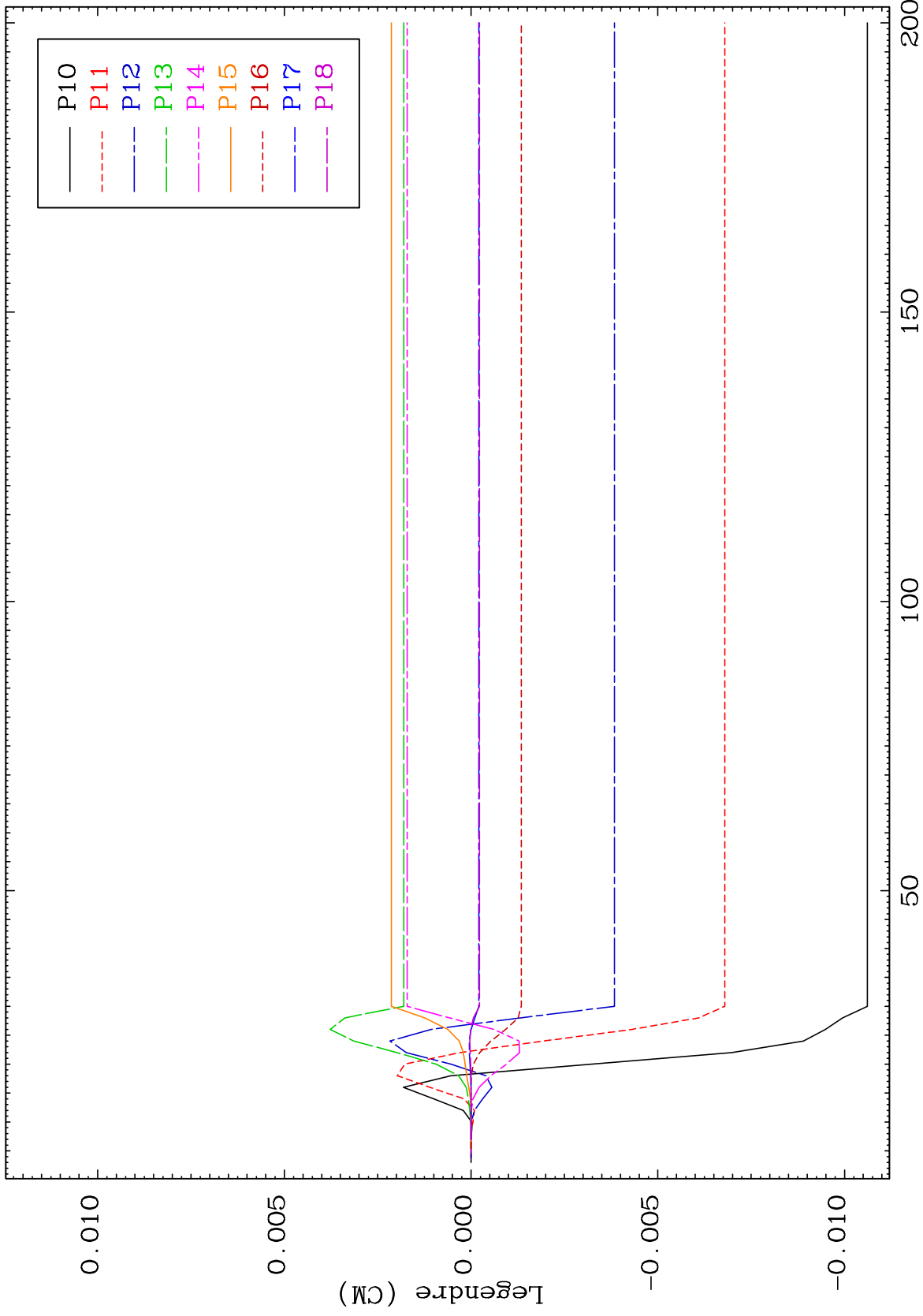
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

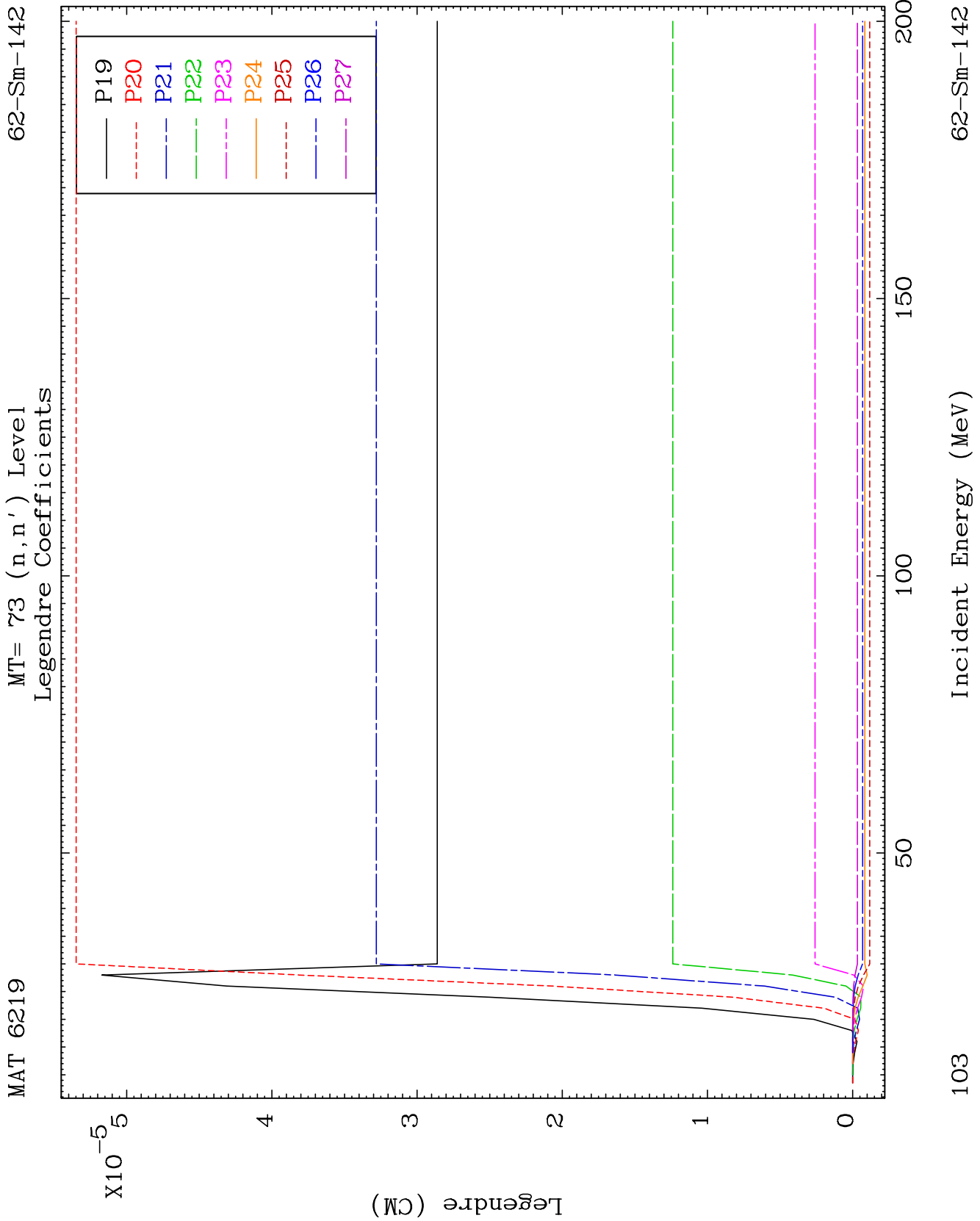
62-Sm-142

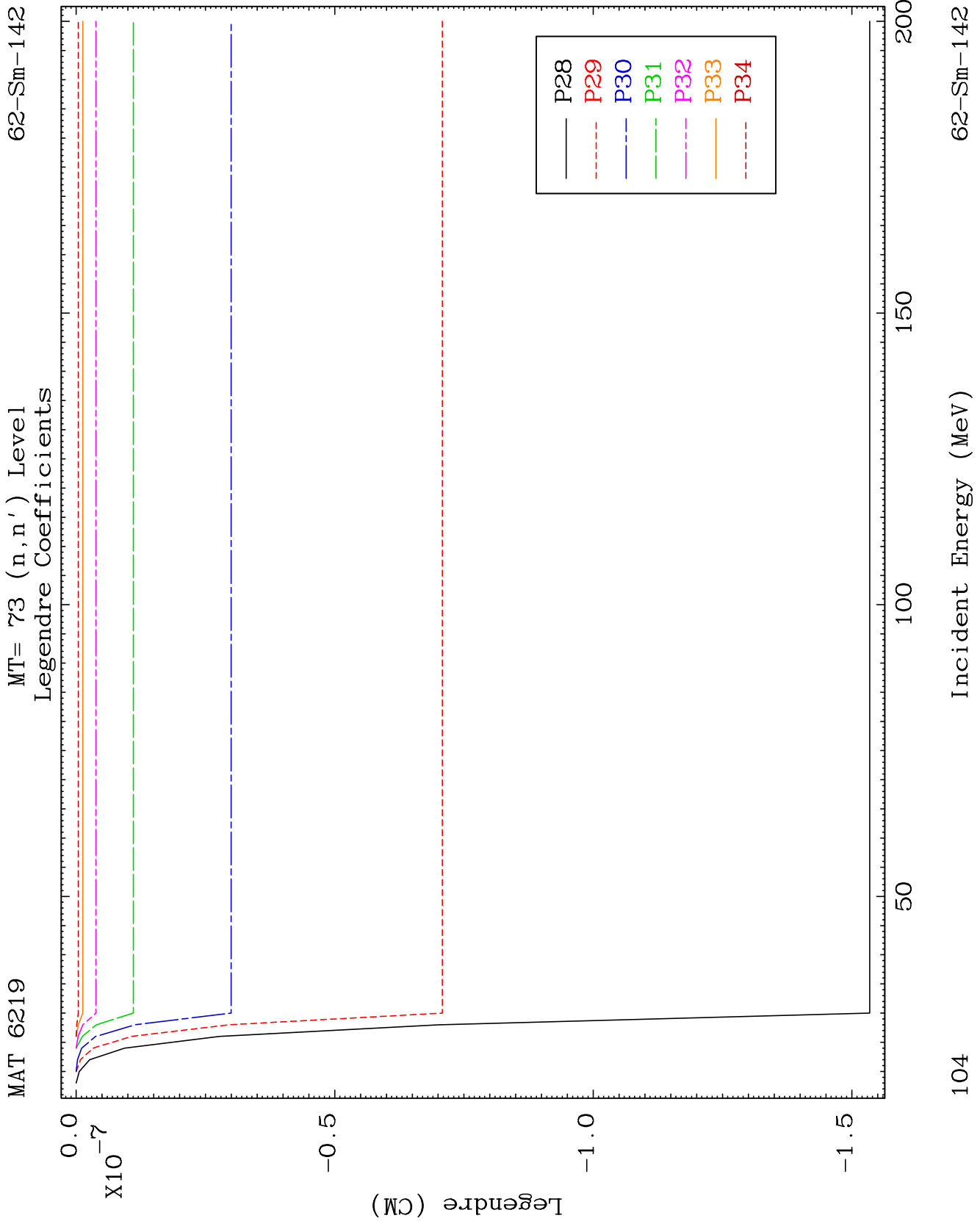


102

Incident Energy (MeV)

62-Sm-142

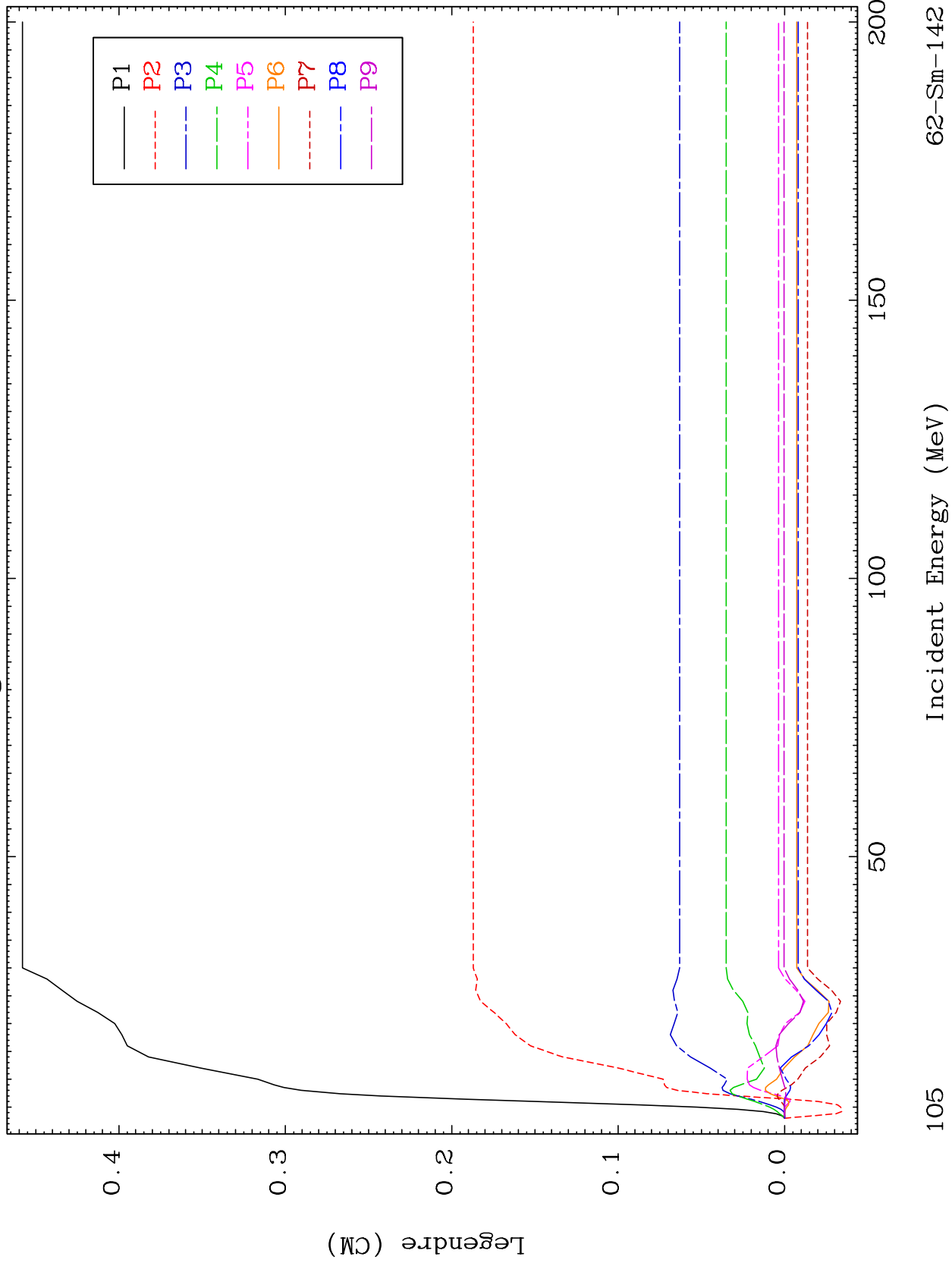




MAT 6219

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

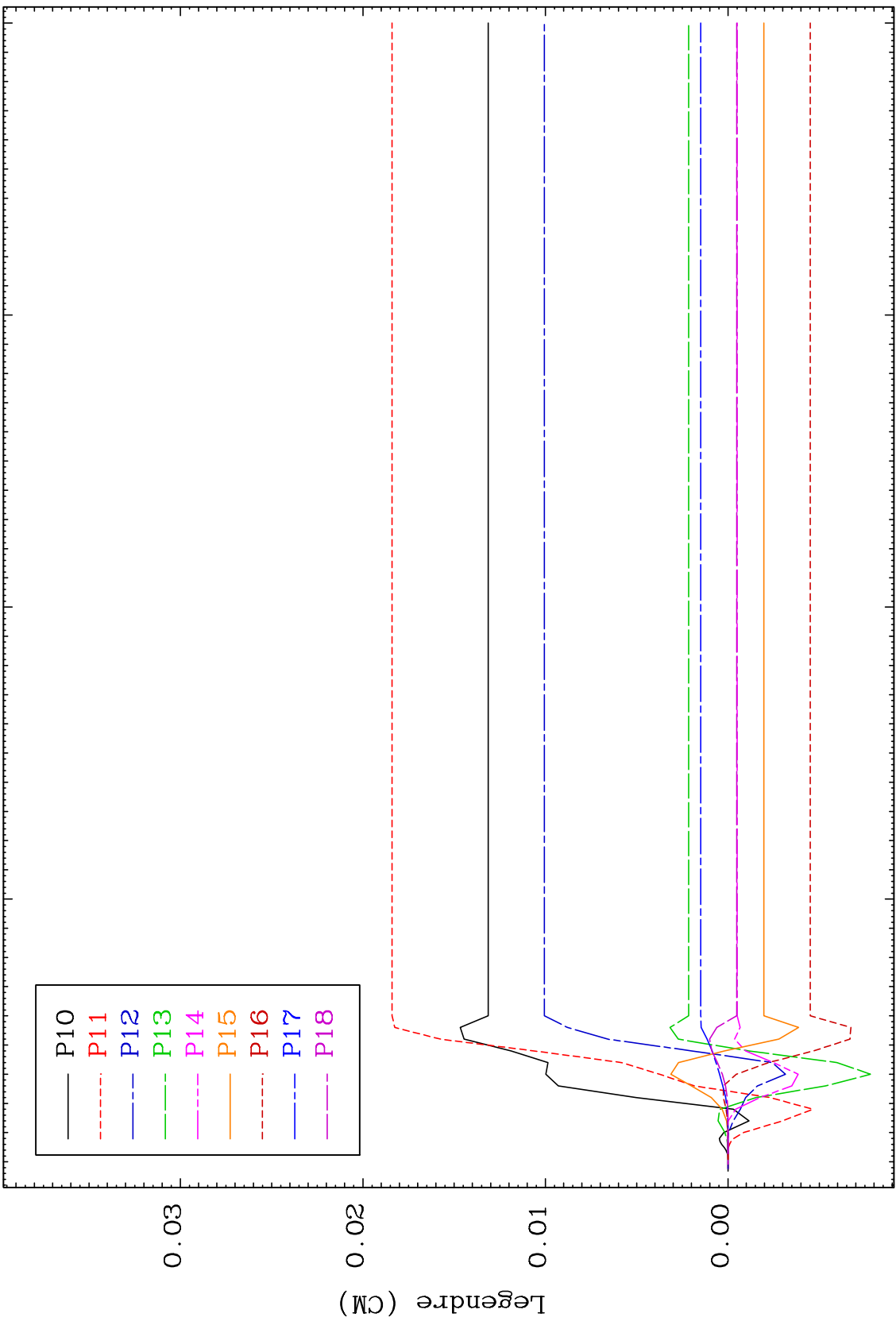
62-Sm-142



MAT 6219

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

62-Sm-142



106

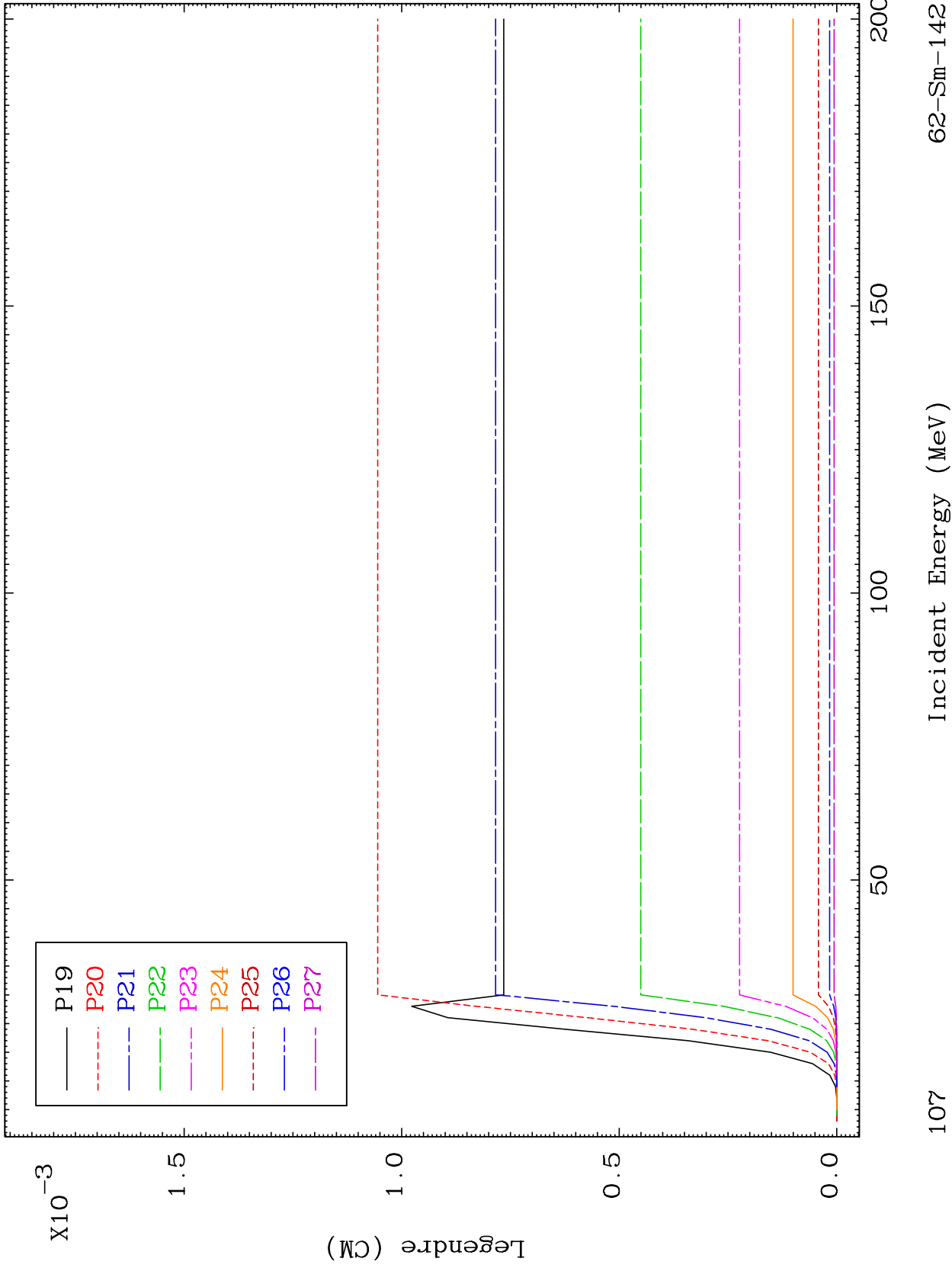
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



107

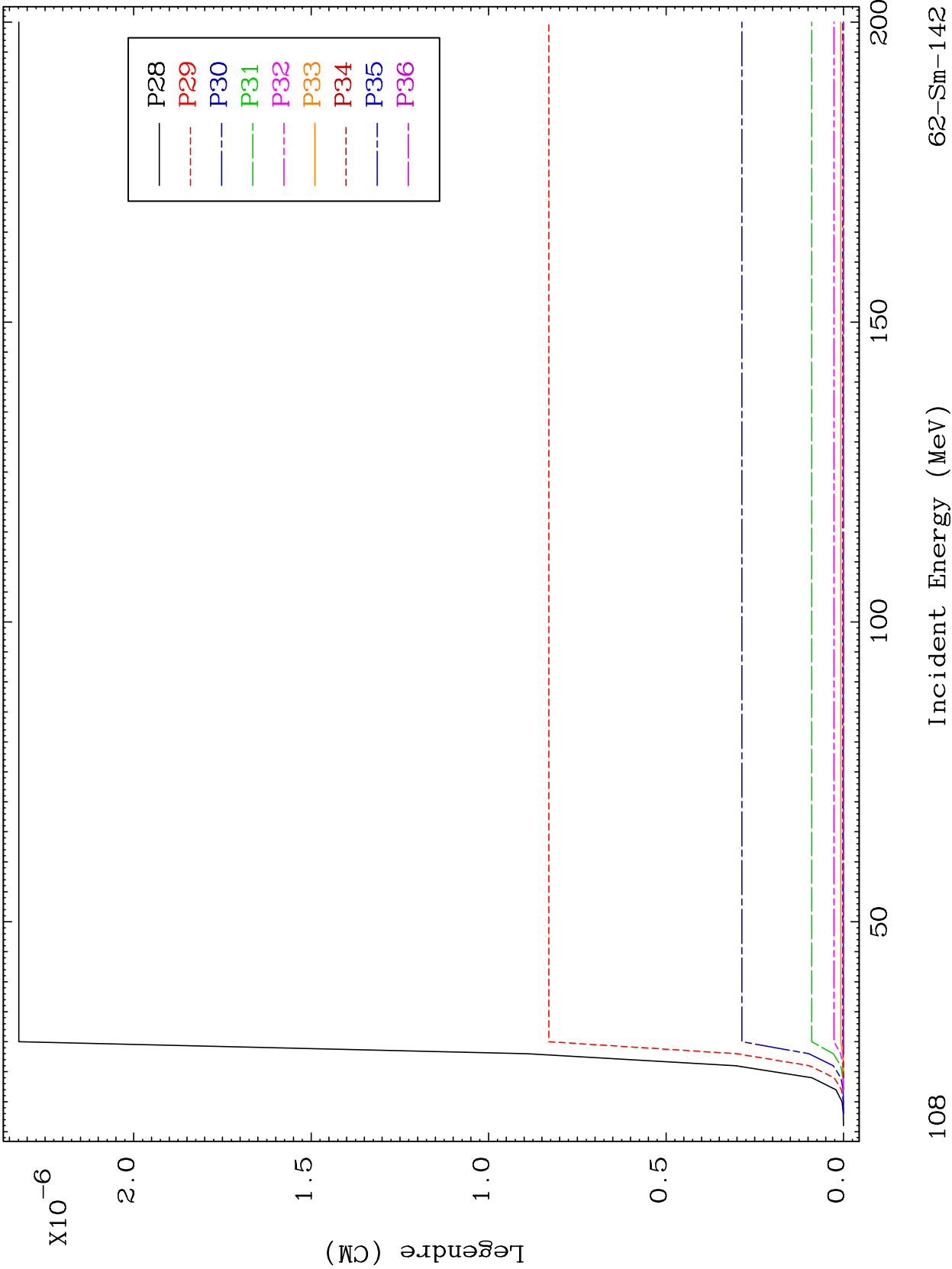
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

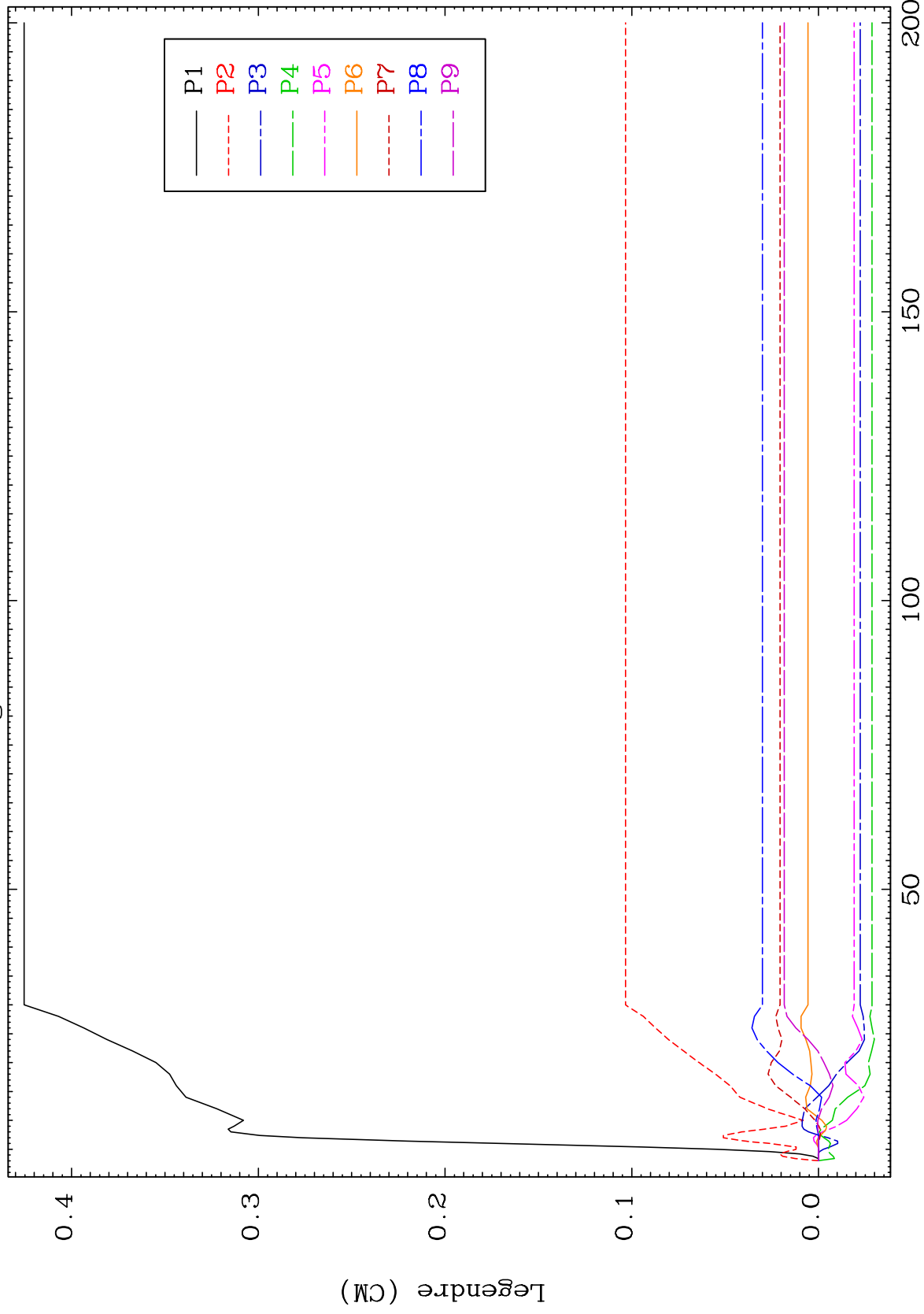
62-Sm-142



MAT 6219

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

62-Sm-142



109

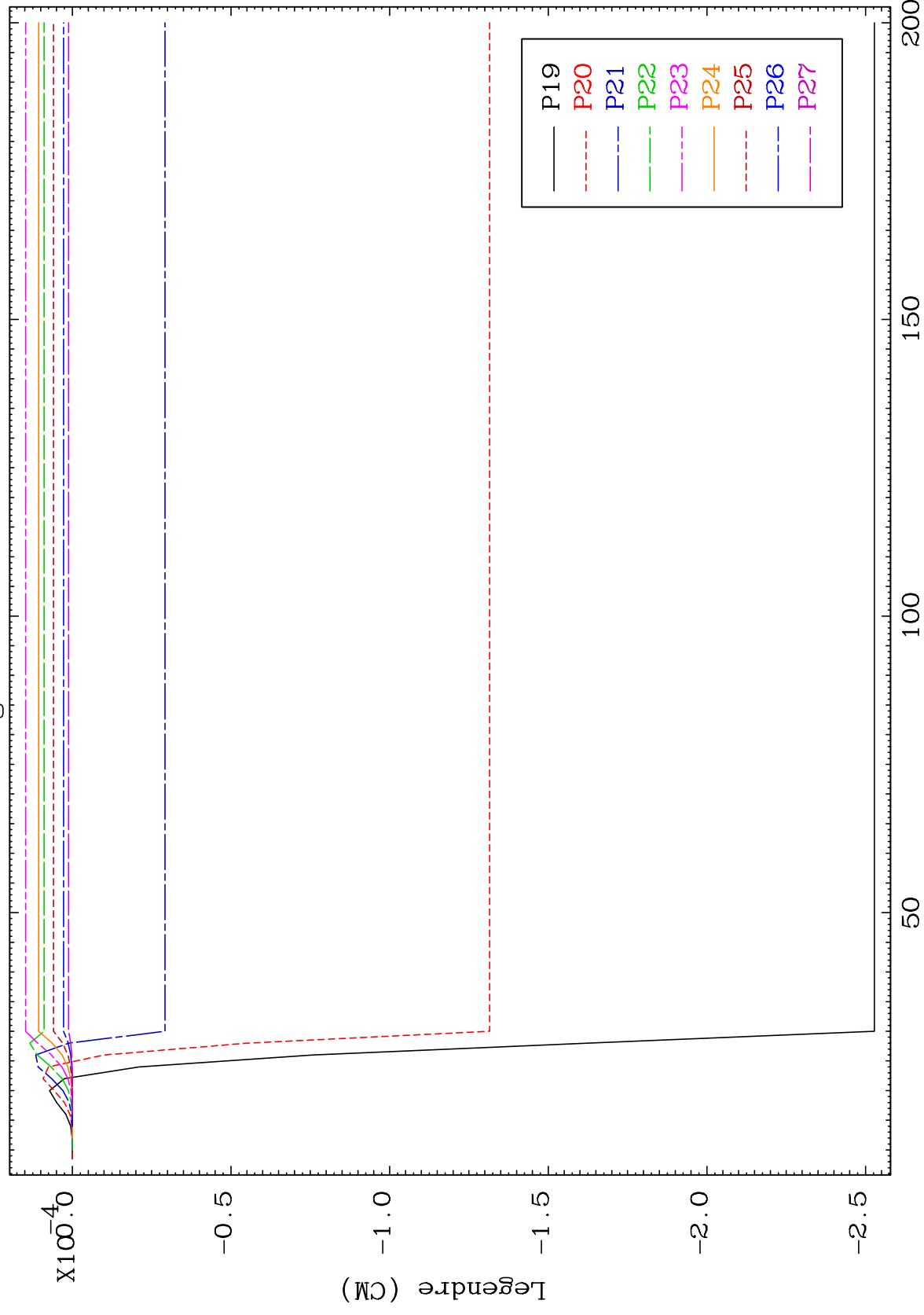
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

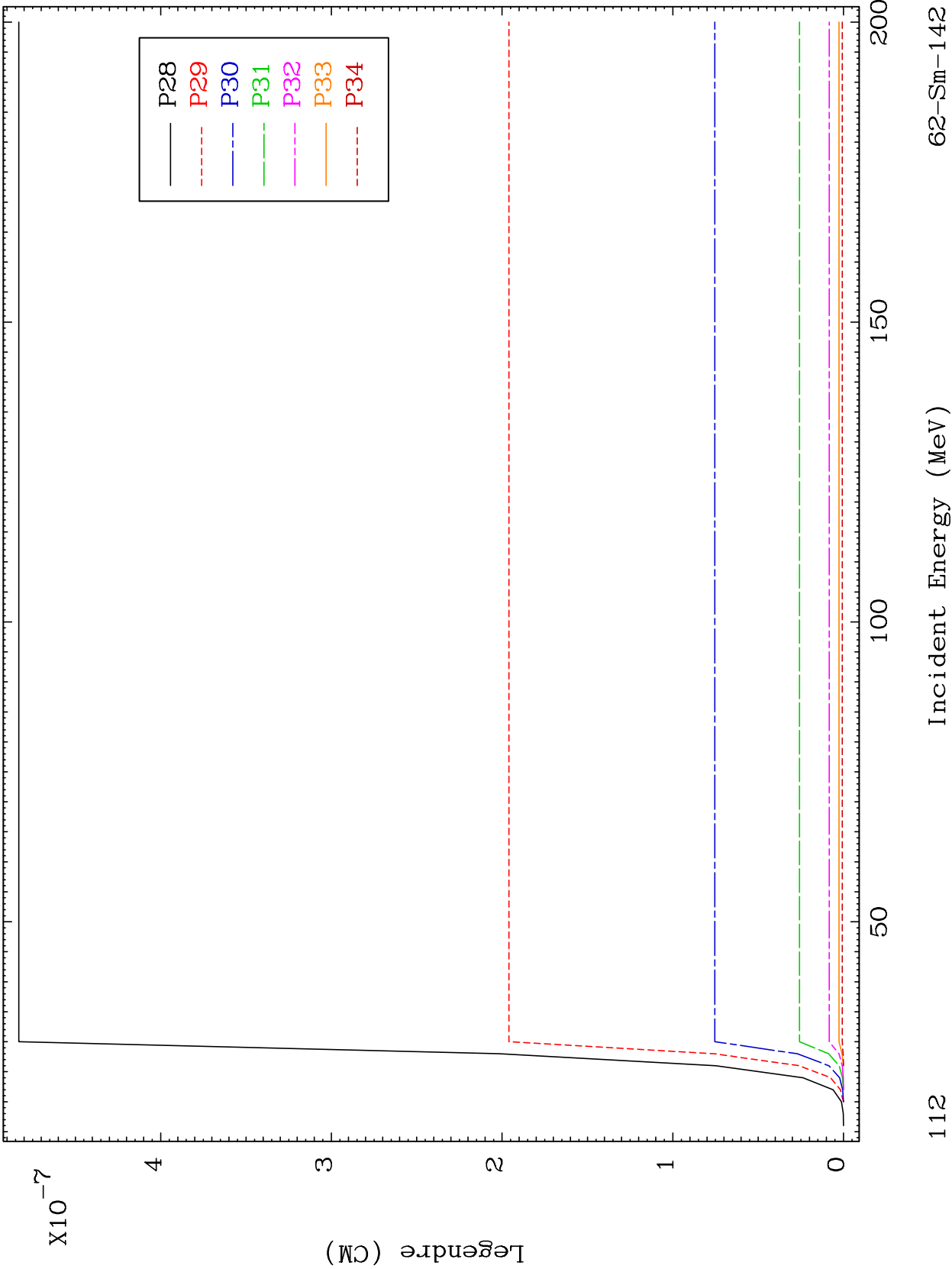
62-Sm-142



MAT 6219

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

62-Sm-142



112

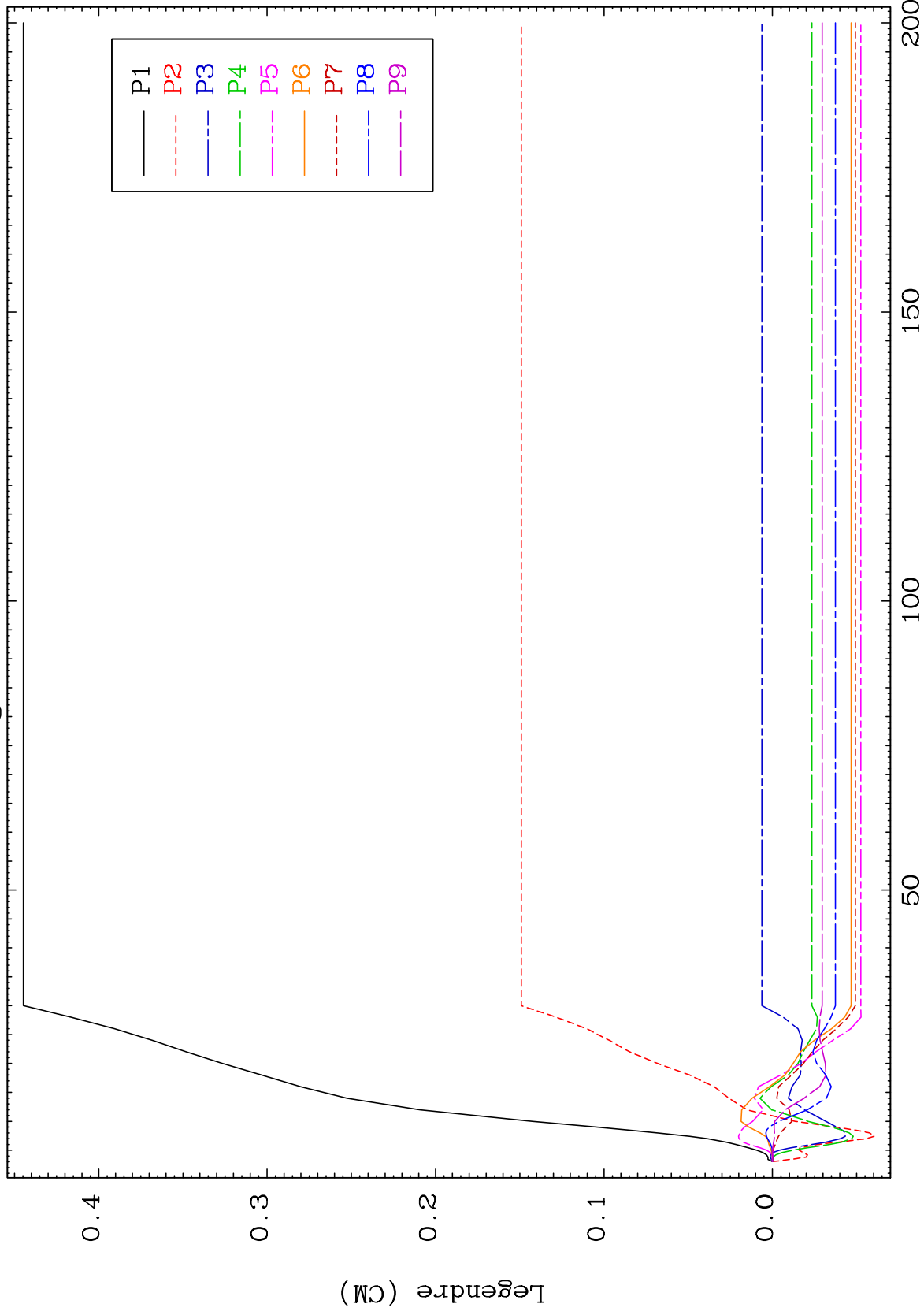
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



113

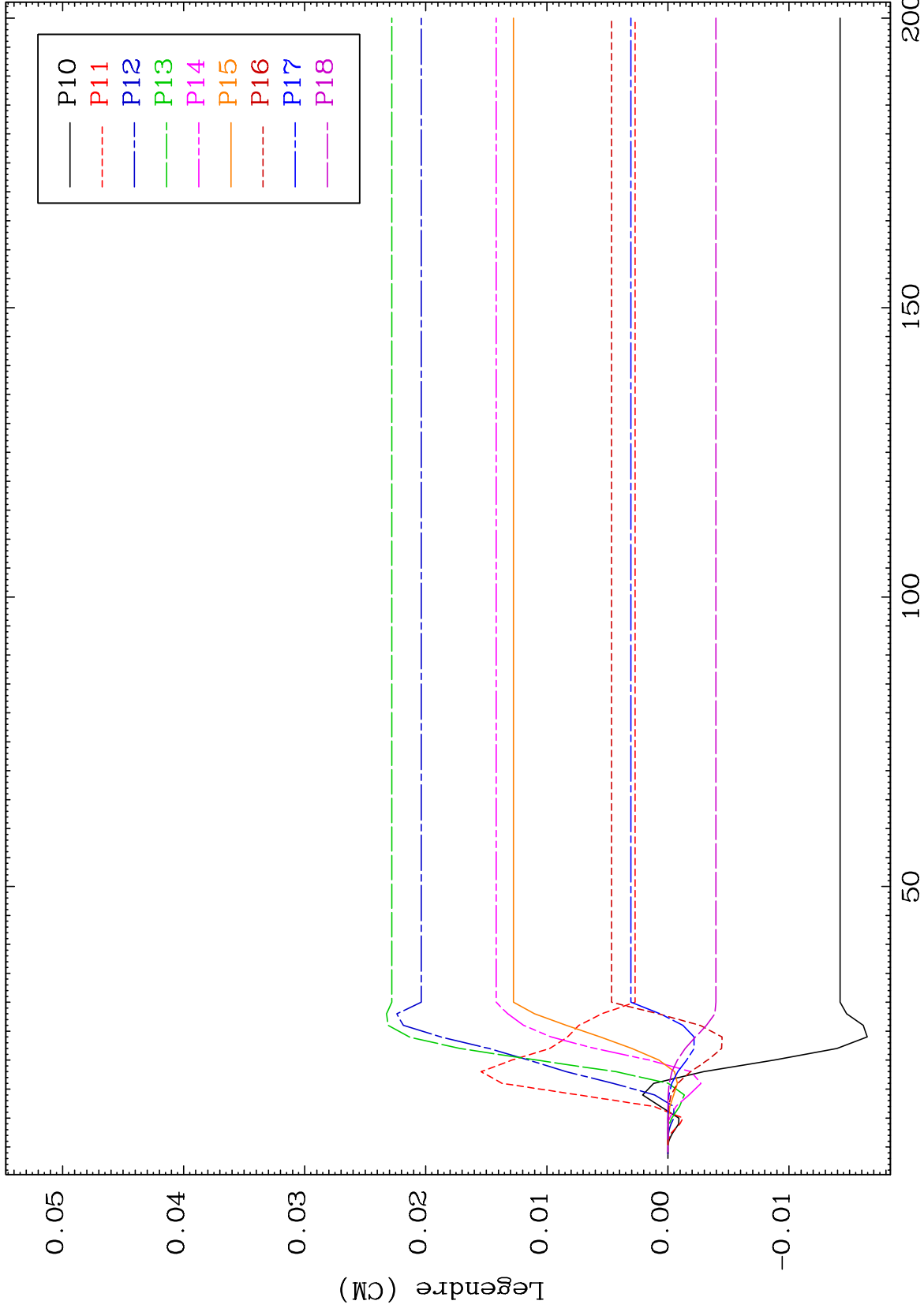
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



114

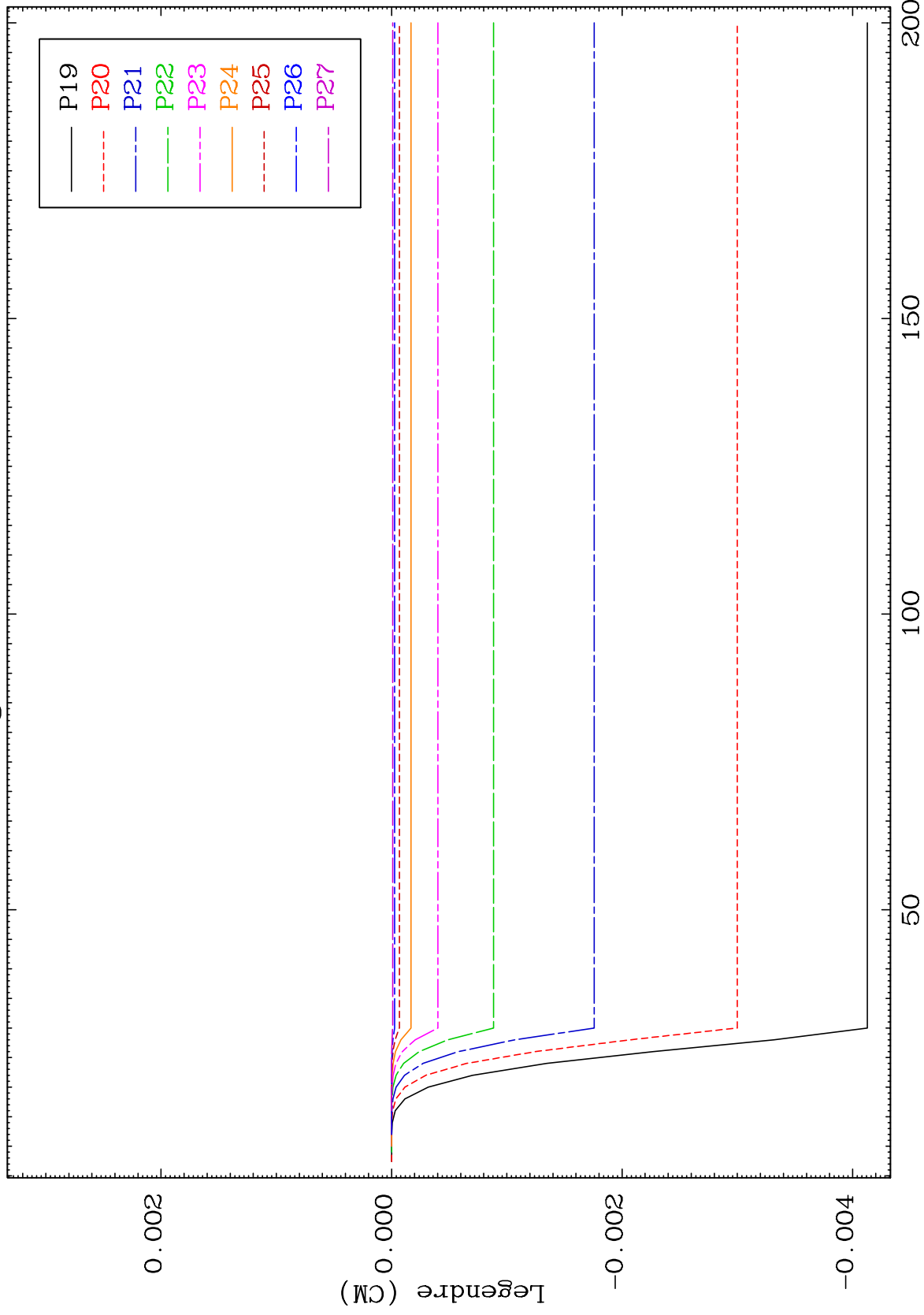
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

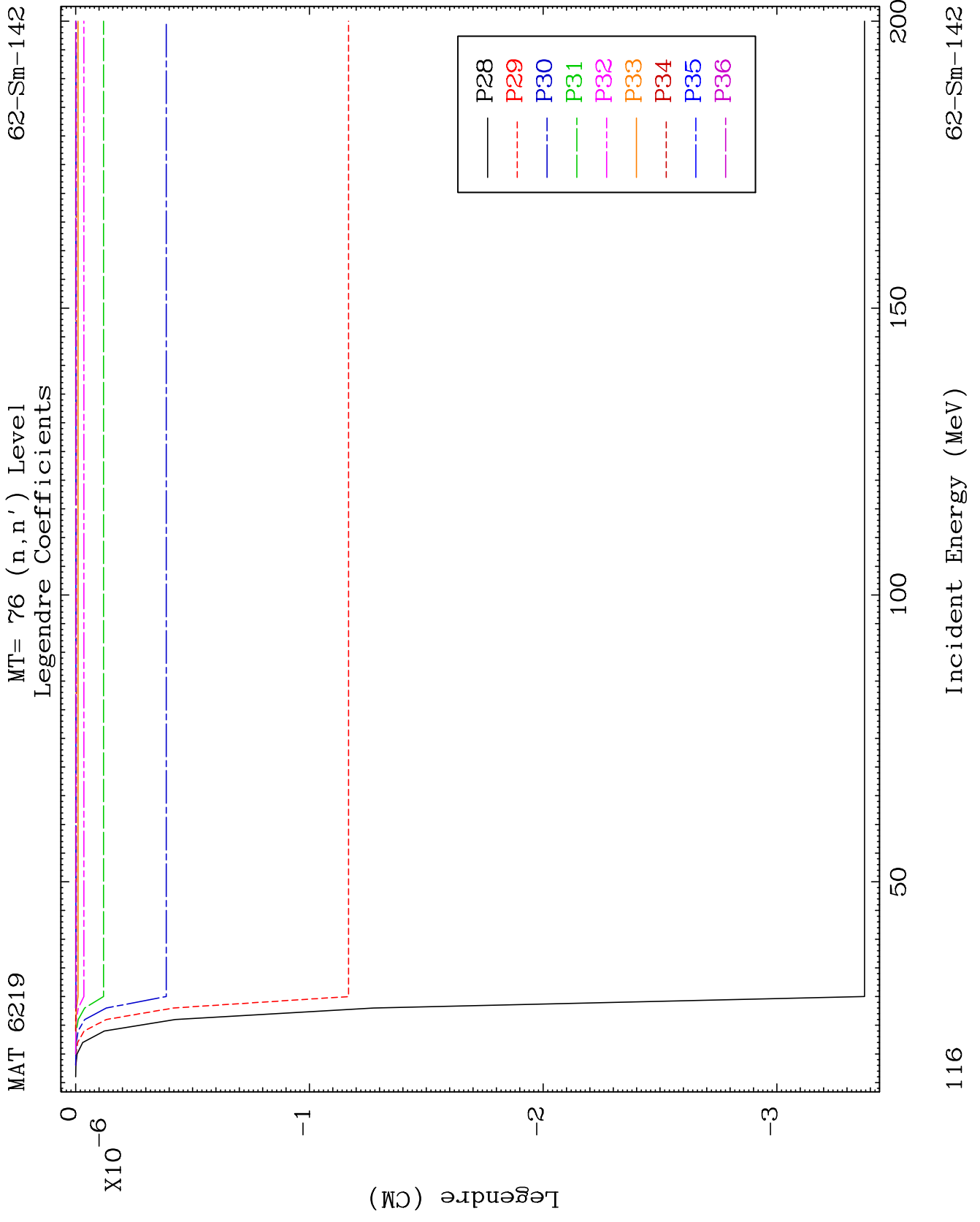
62-Sm-142

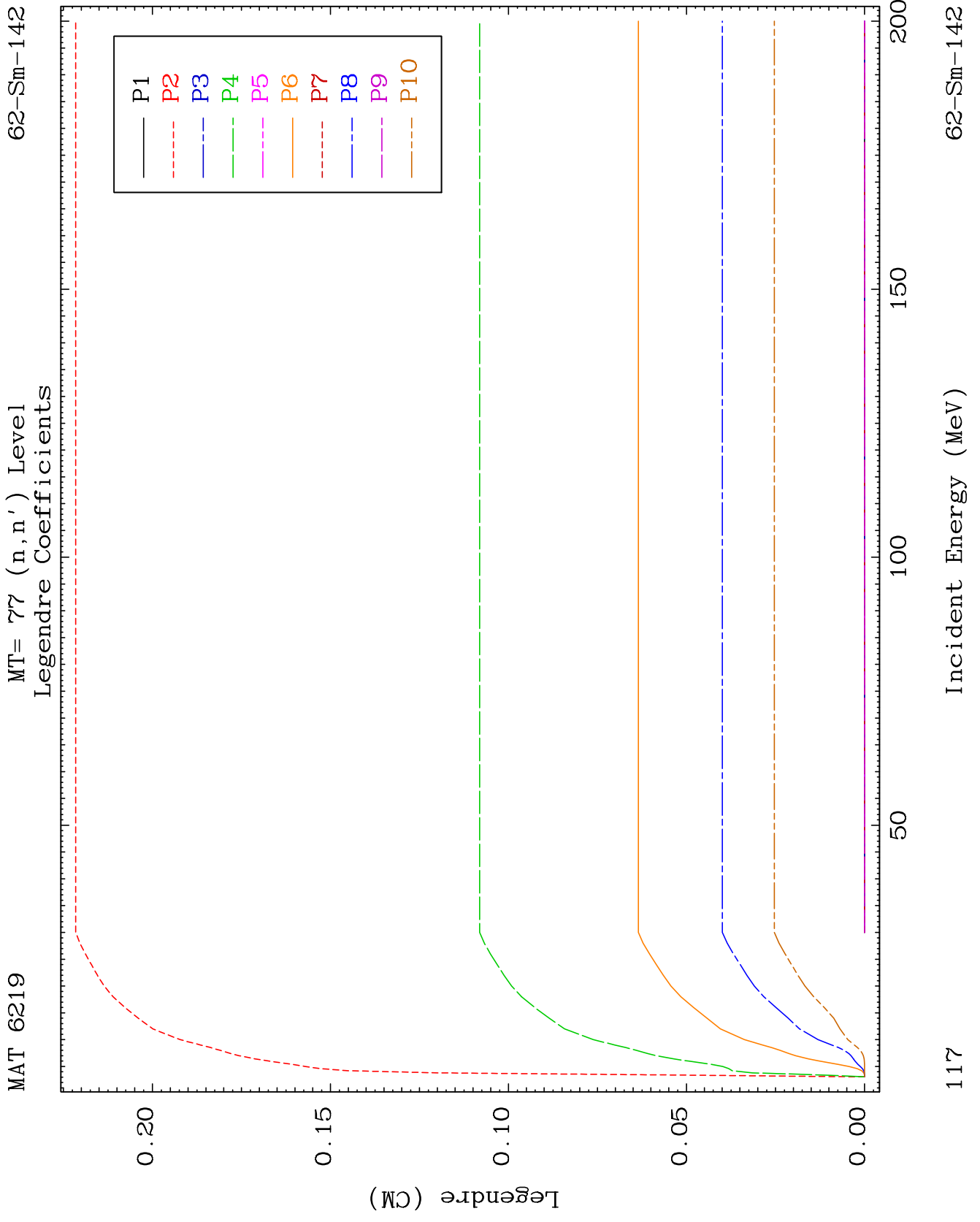


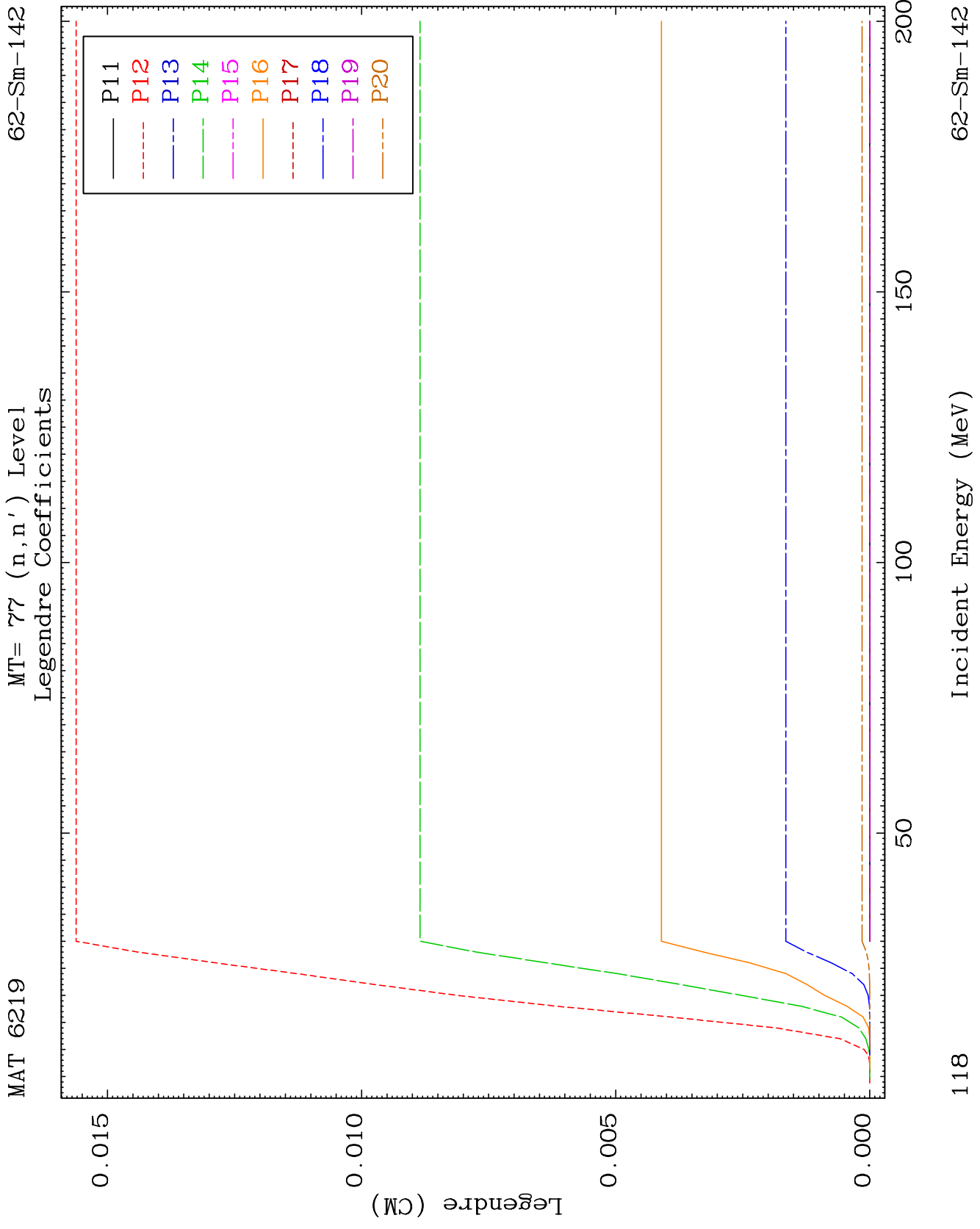
115

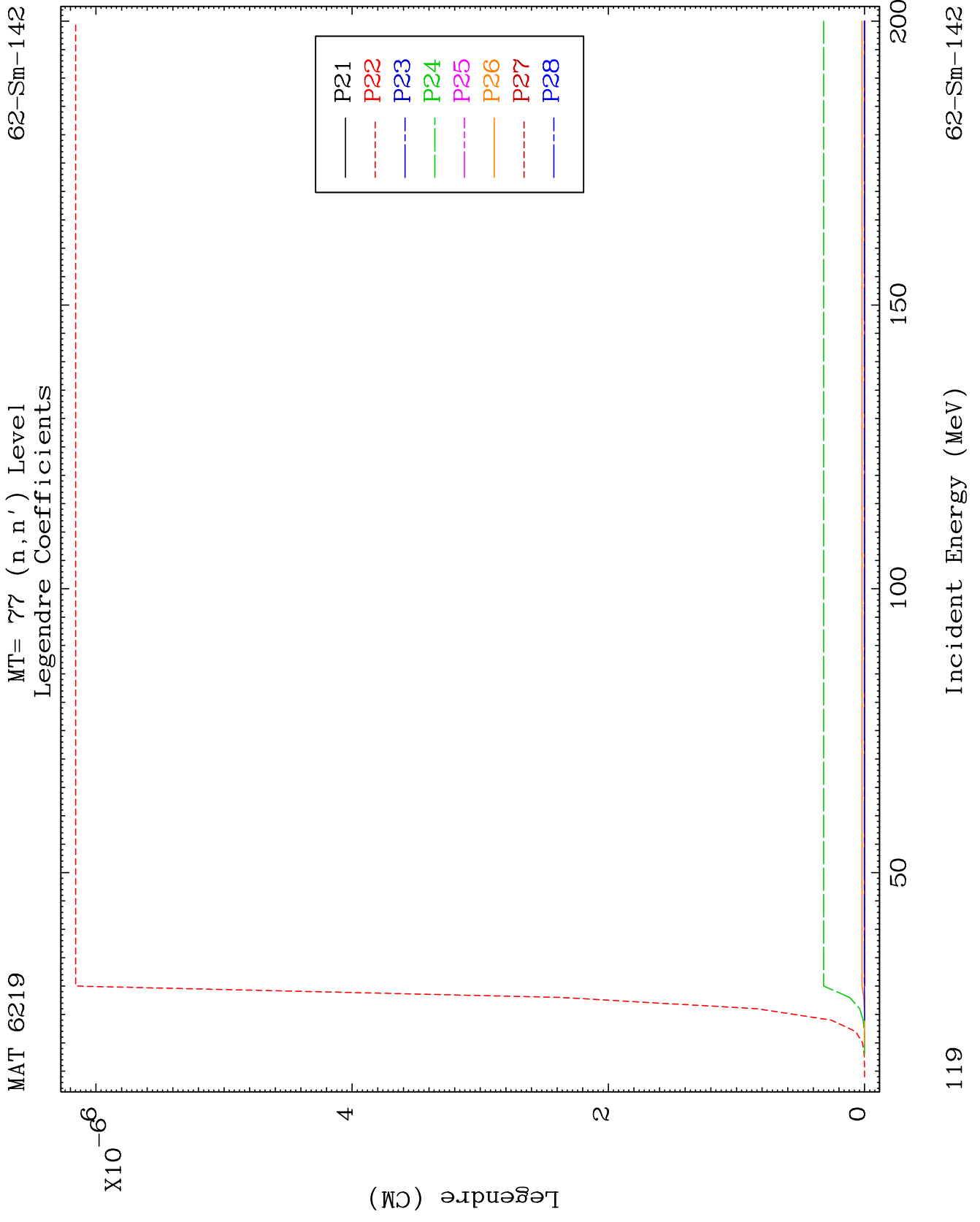
Incident Energy (MeV)

62-Sm-142





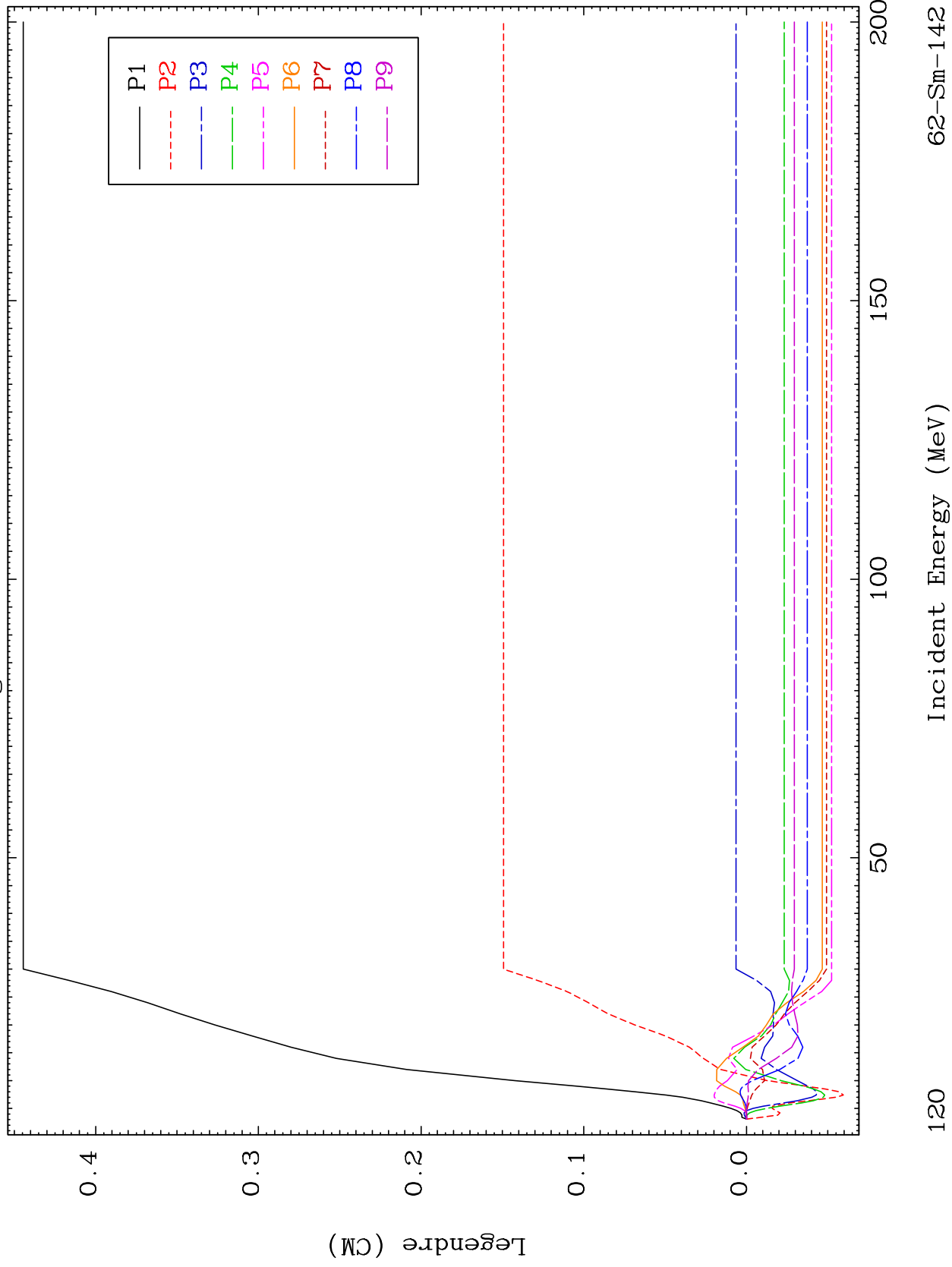




MAT 6219

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

62-Sm-142



62-Sm-142

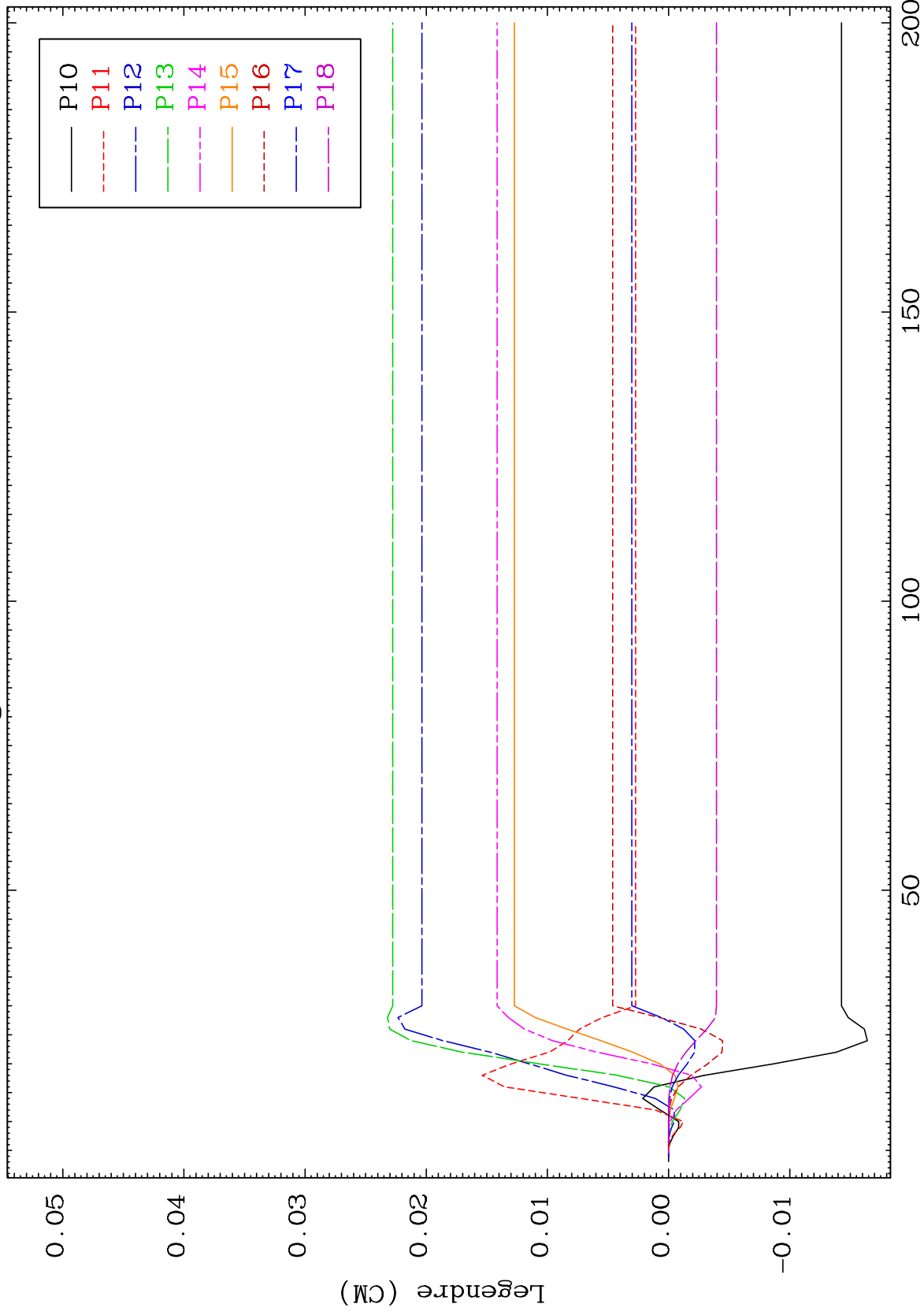
Incident Energy (MeV)

120

MAT 6219

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

62-Sm-142



121

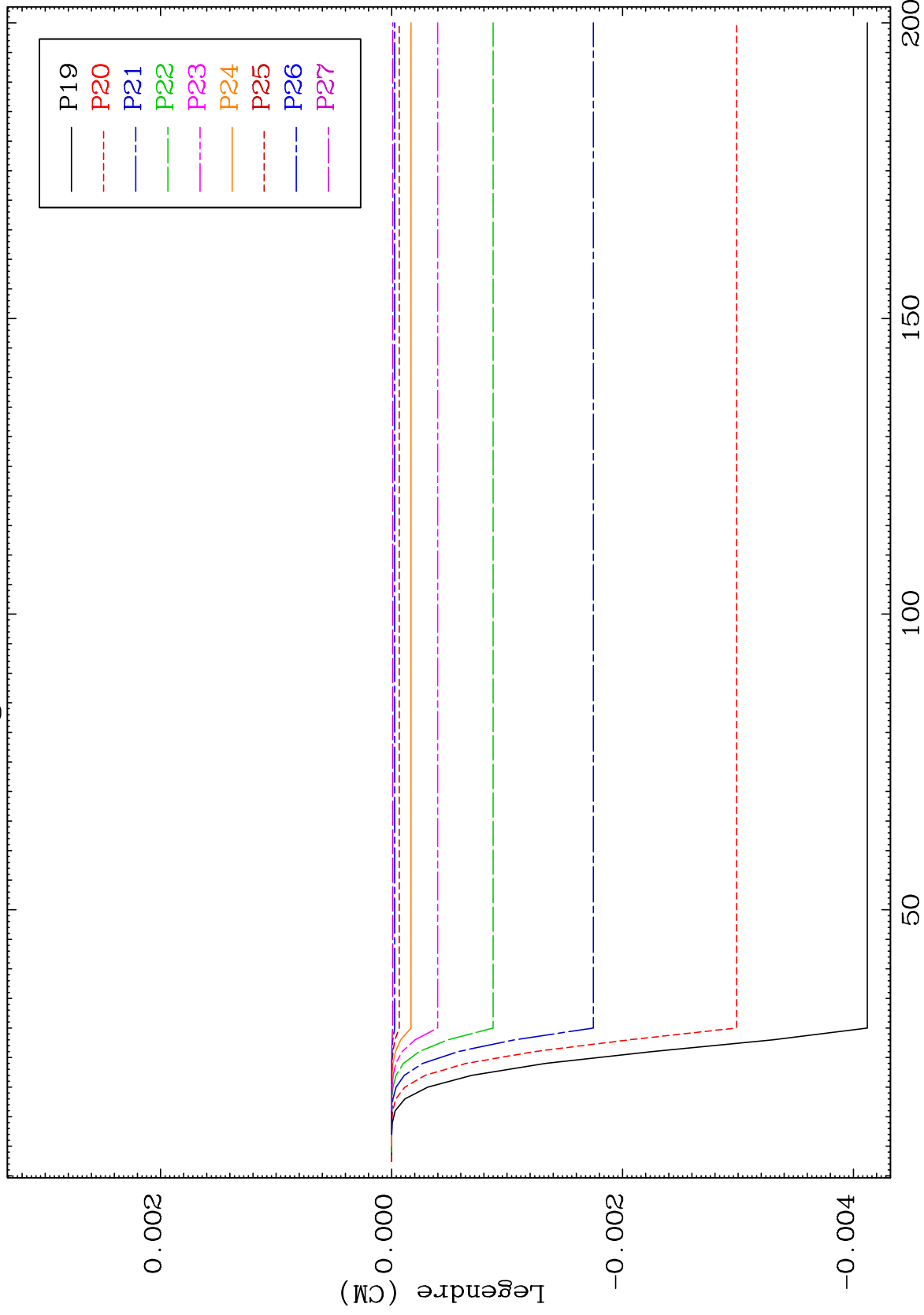
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

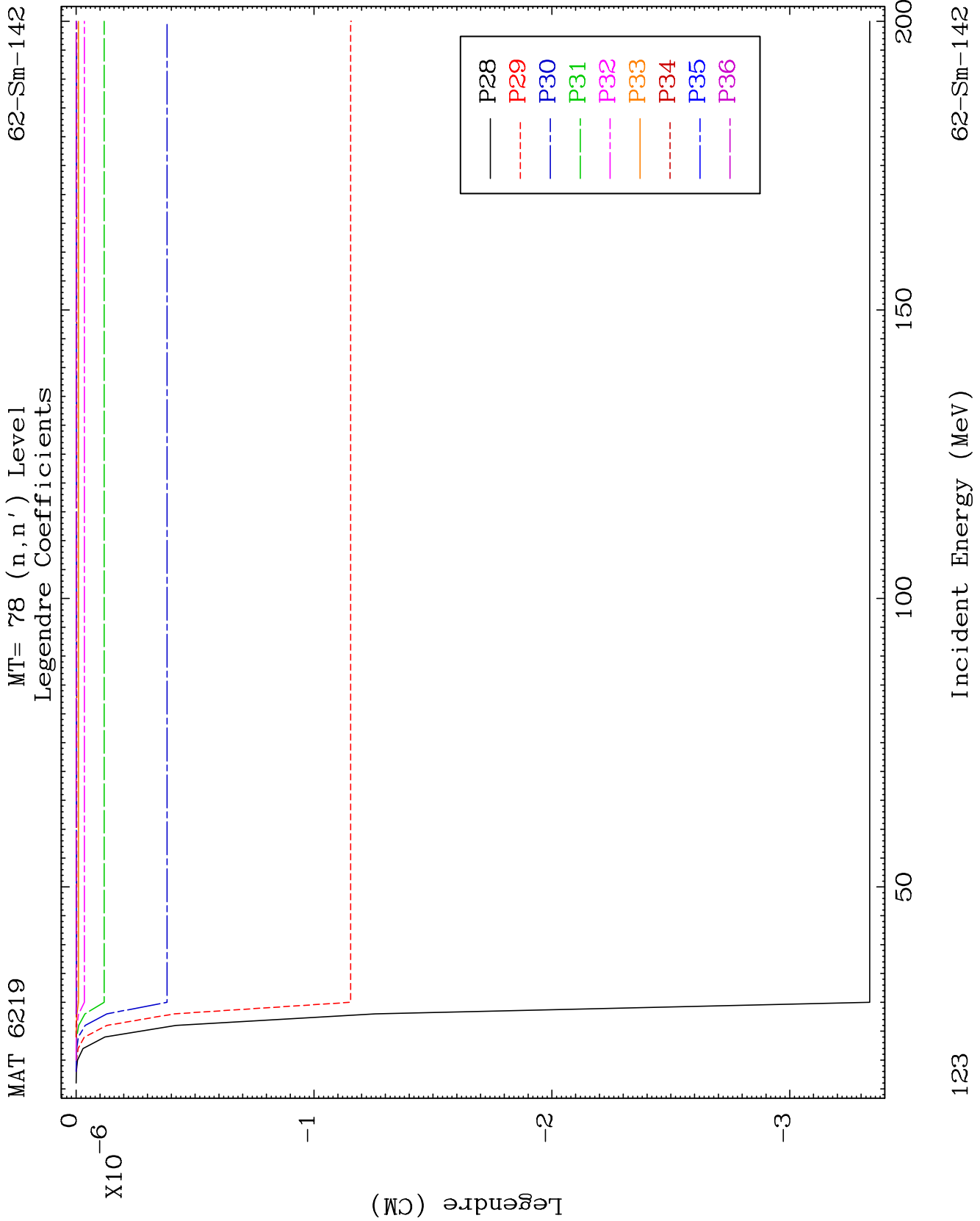
62-Sm-142



122

Incident Energy (MeV)

62-Sm-142

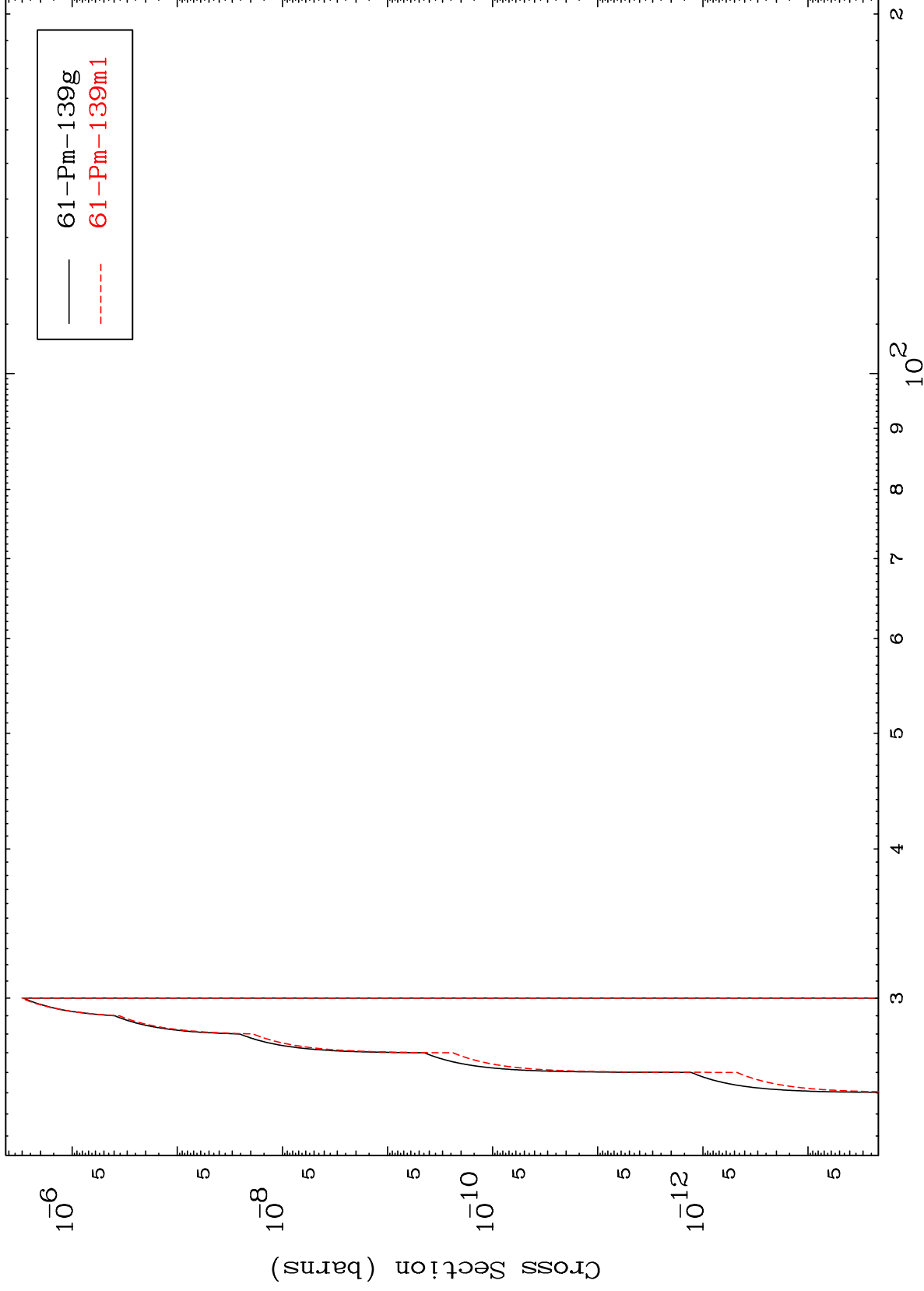


MAT 6219

(n,2n) d

62-Sm-142

Radionuclide Production Cross Section



124

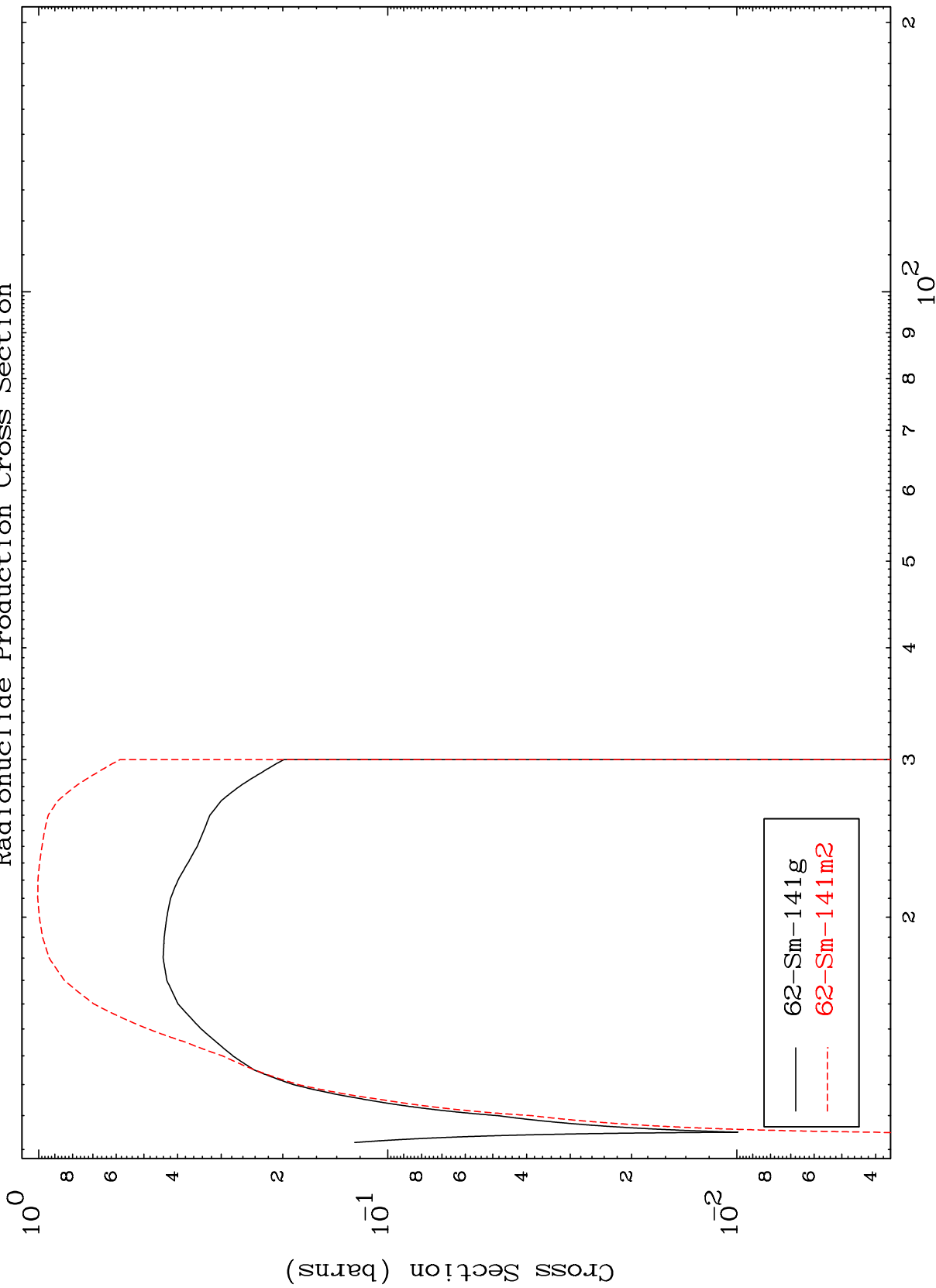
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(n,2n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

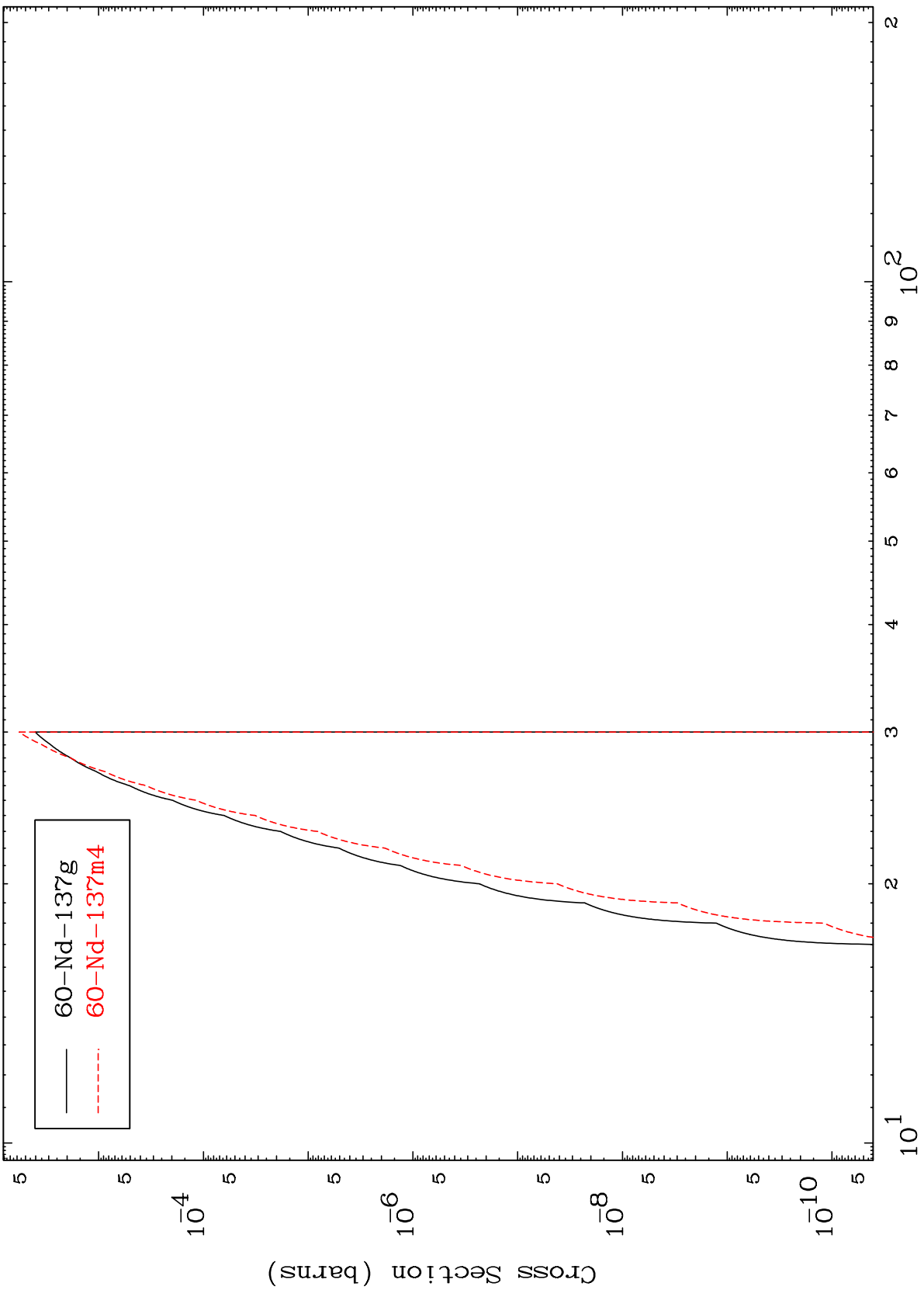
62-Sm-142

MAT 6219

(n,2n) α

62-Sm-142

Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

126

Incident Energy (MeV)

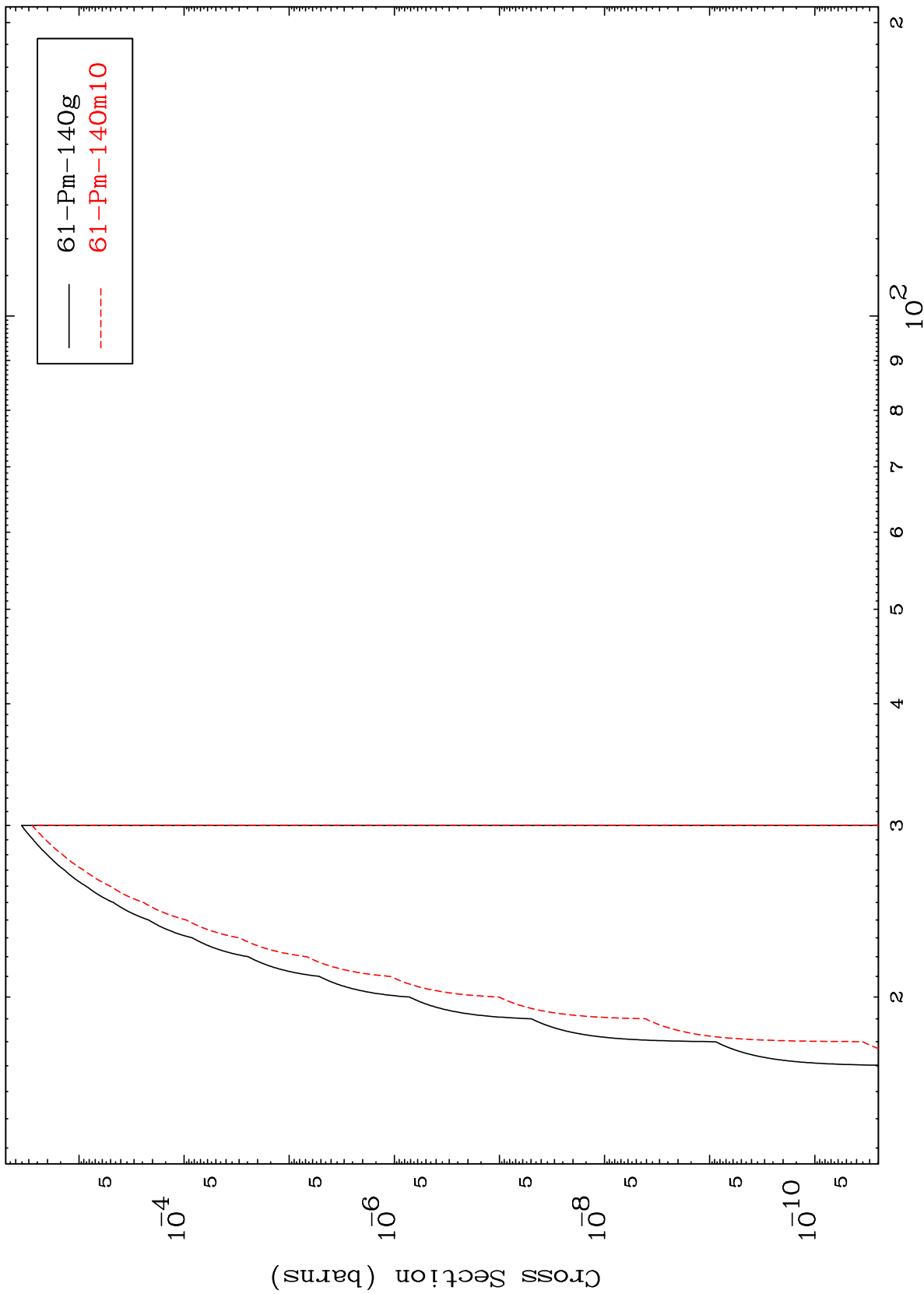
62-Sm-142

MAT 6219

(n,n') d

62-Sm-142

Radionuclide Production Cross Section

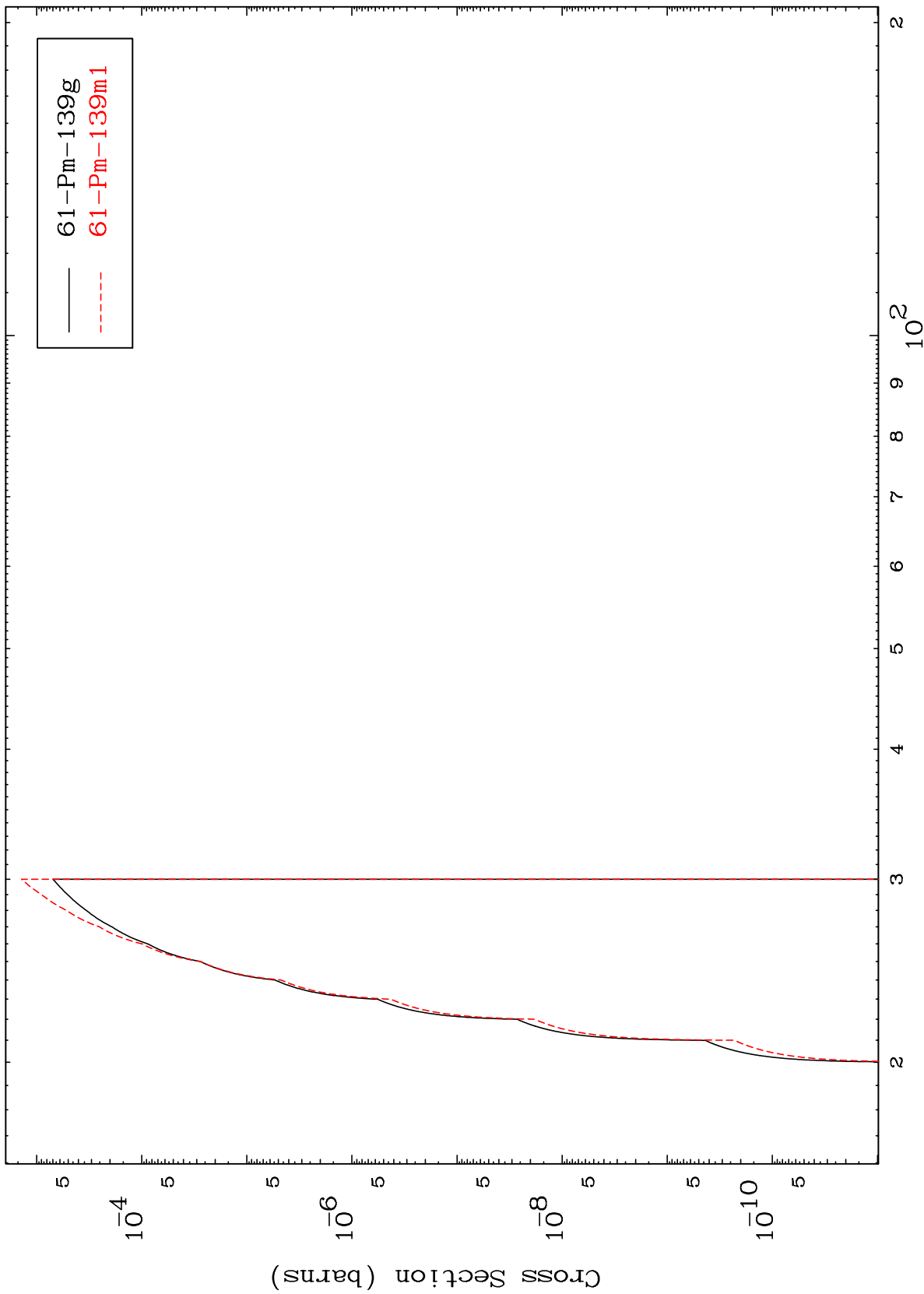


127

Incident Energy (MeV)

62-Sm-142

Radionuclide Production Cross Section

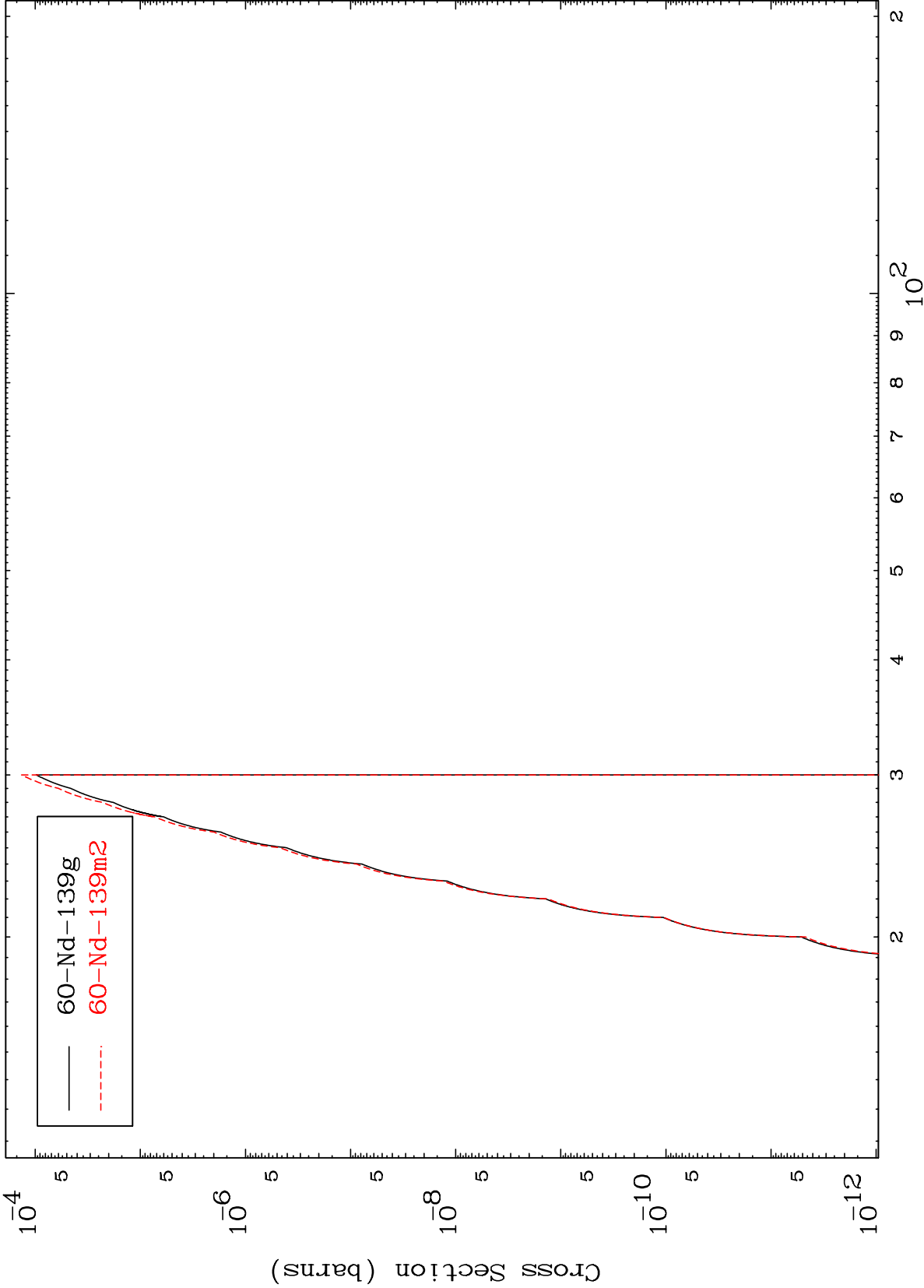


MAT 6219

(n,n') He-3

62-Sm-142

Radionuclide Production Cross Section



129

Incident Energy (MeV)

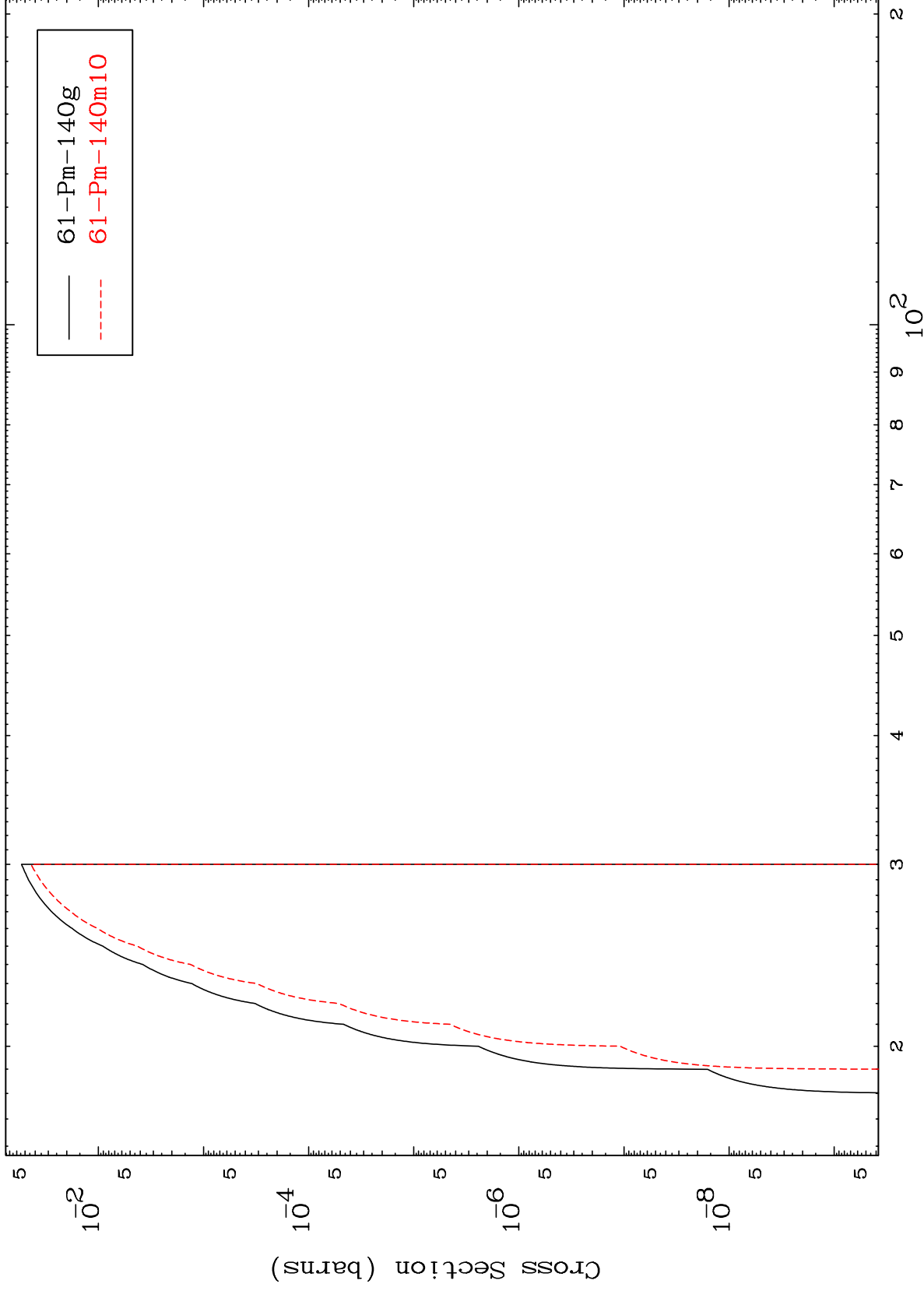
62-Sm-142

MAT 6219

(n,2n) p

62-Sm-142

Radionuclide Production Cross Section



130

Incident Energy (MeV)

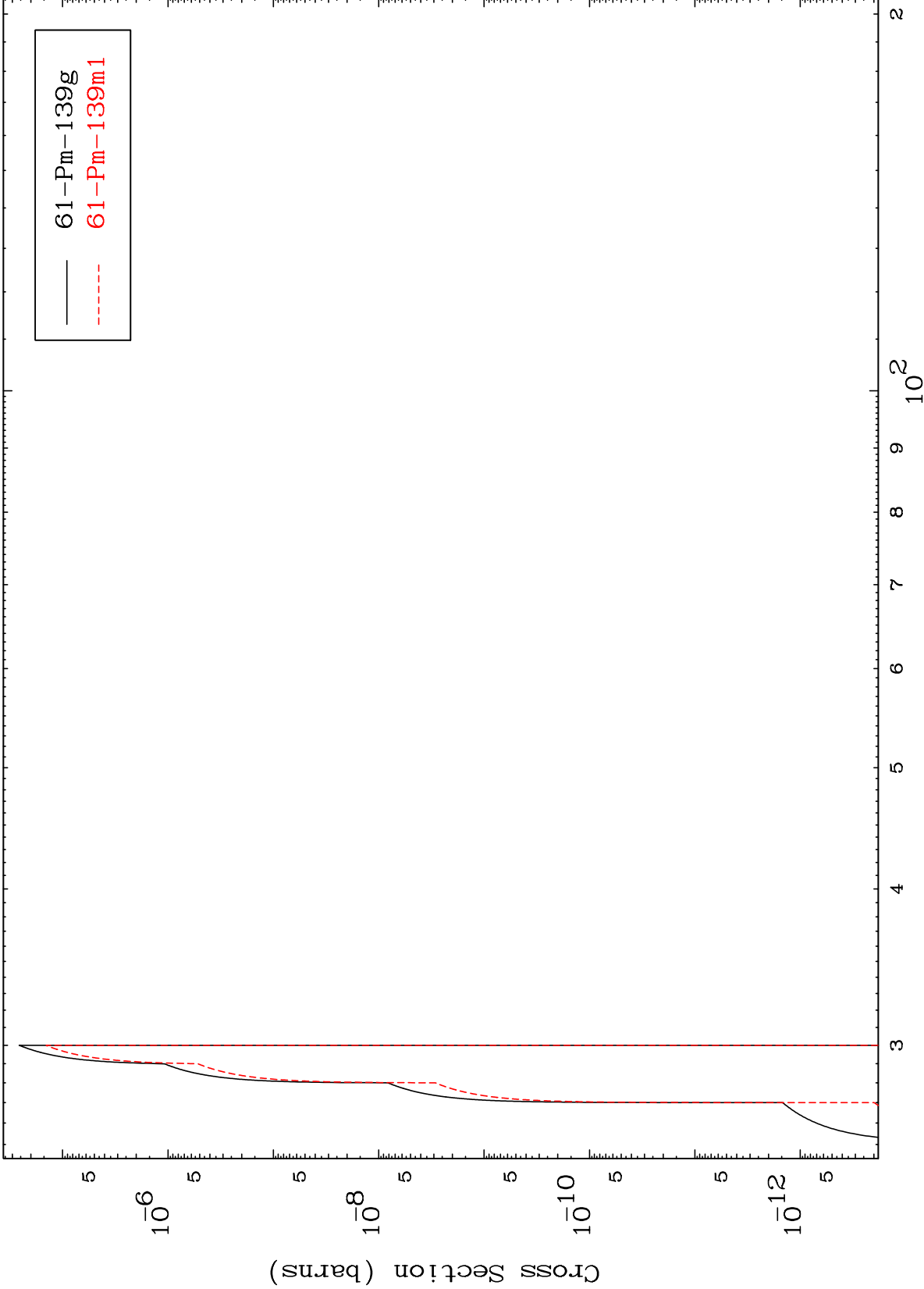
62-Sm-142

MAT 6219

(n,3n) p

62-Sm-142

Radionuclide Production Cross Section



131

Incident Energy (MeV)

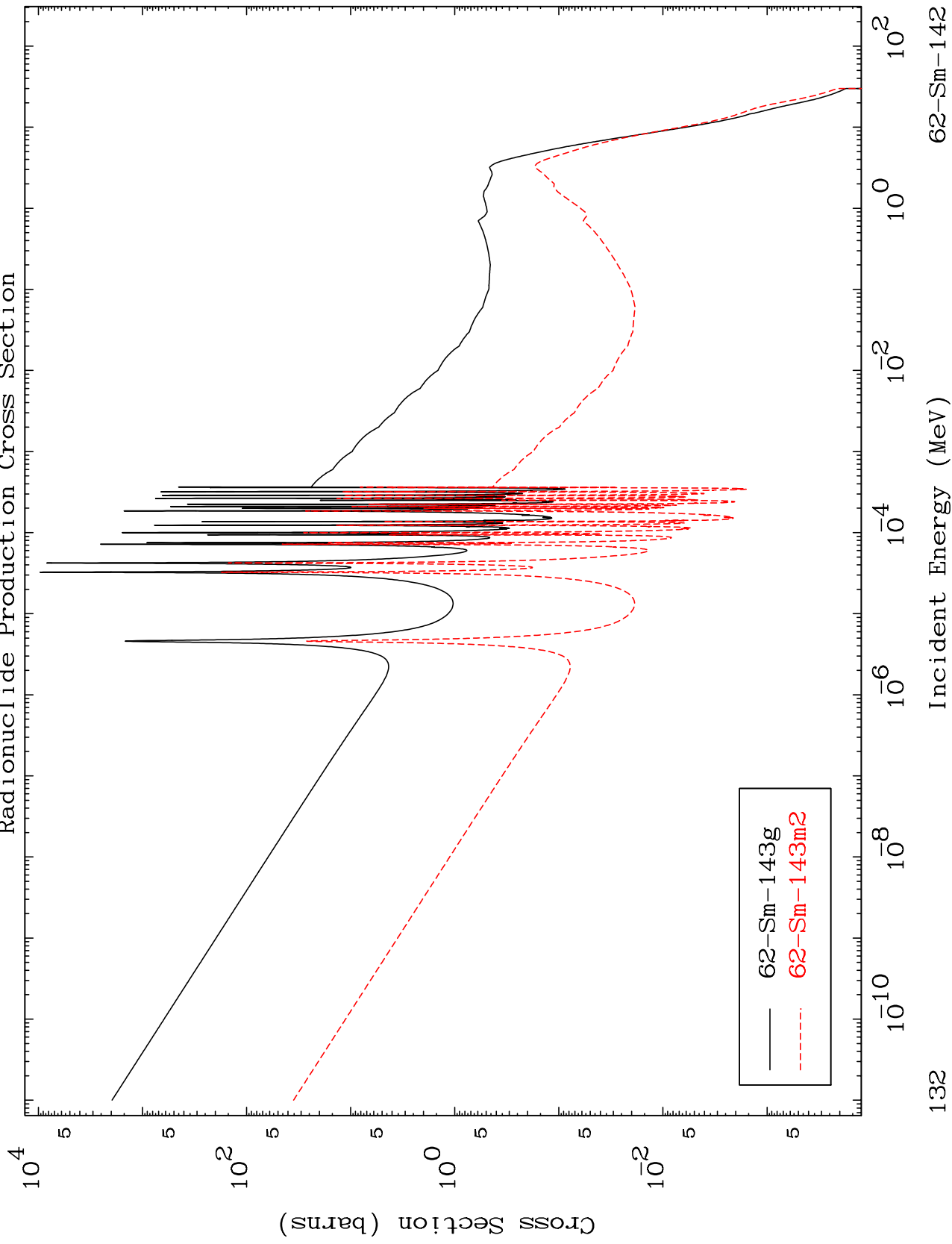
62-Sm-142

MAT 6219

62-Sm-142

Radionuclide Production Cross Section

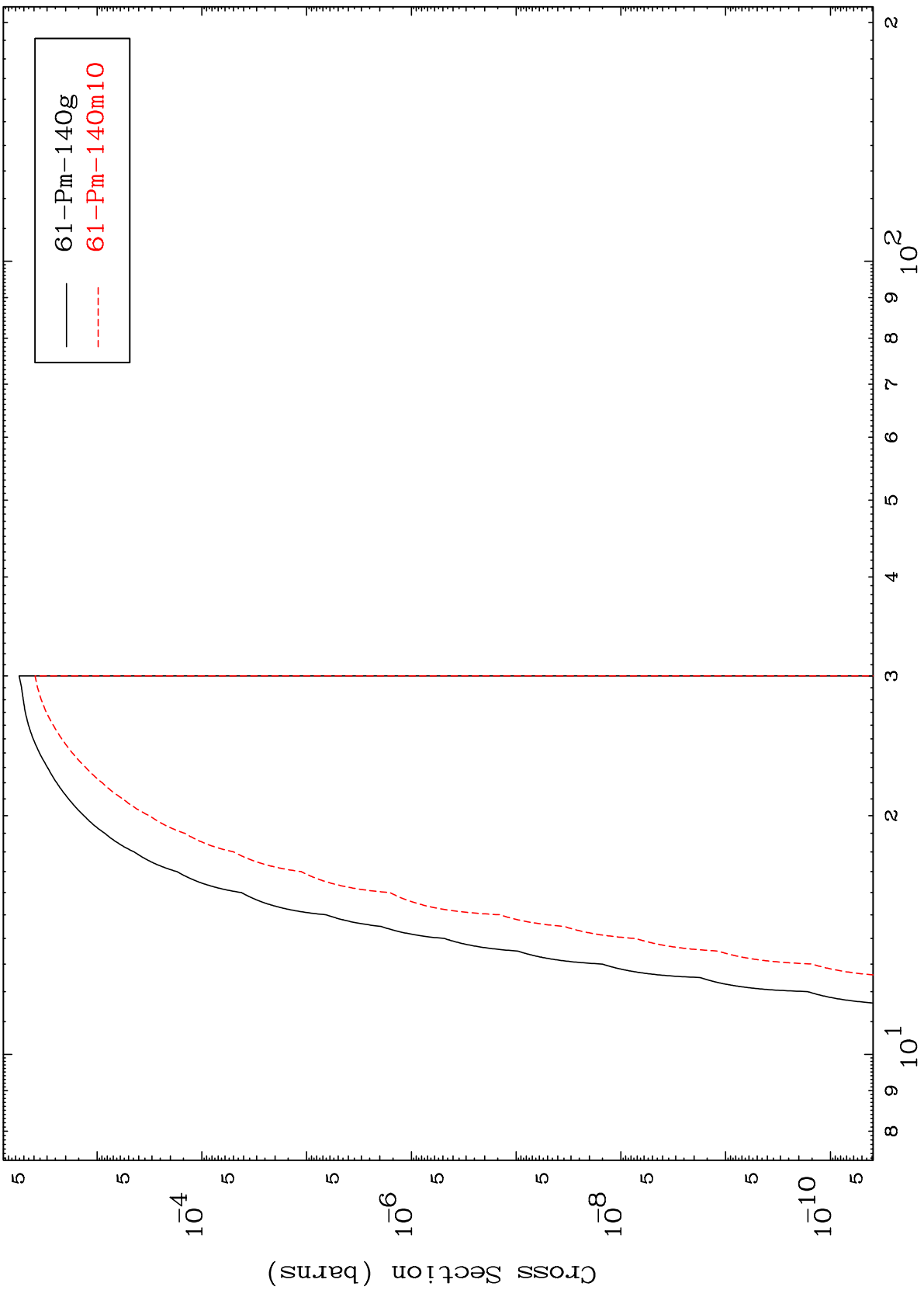
(n, γ)



MAT 6219

62-Sm-142

(n,t)
Radionuclide Production Cross Section



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

133

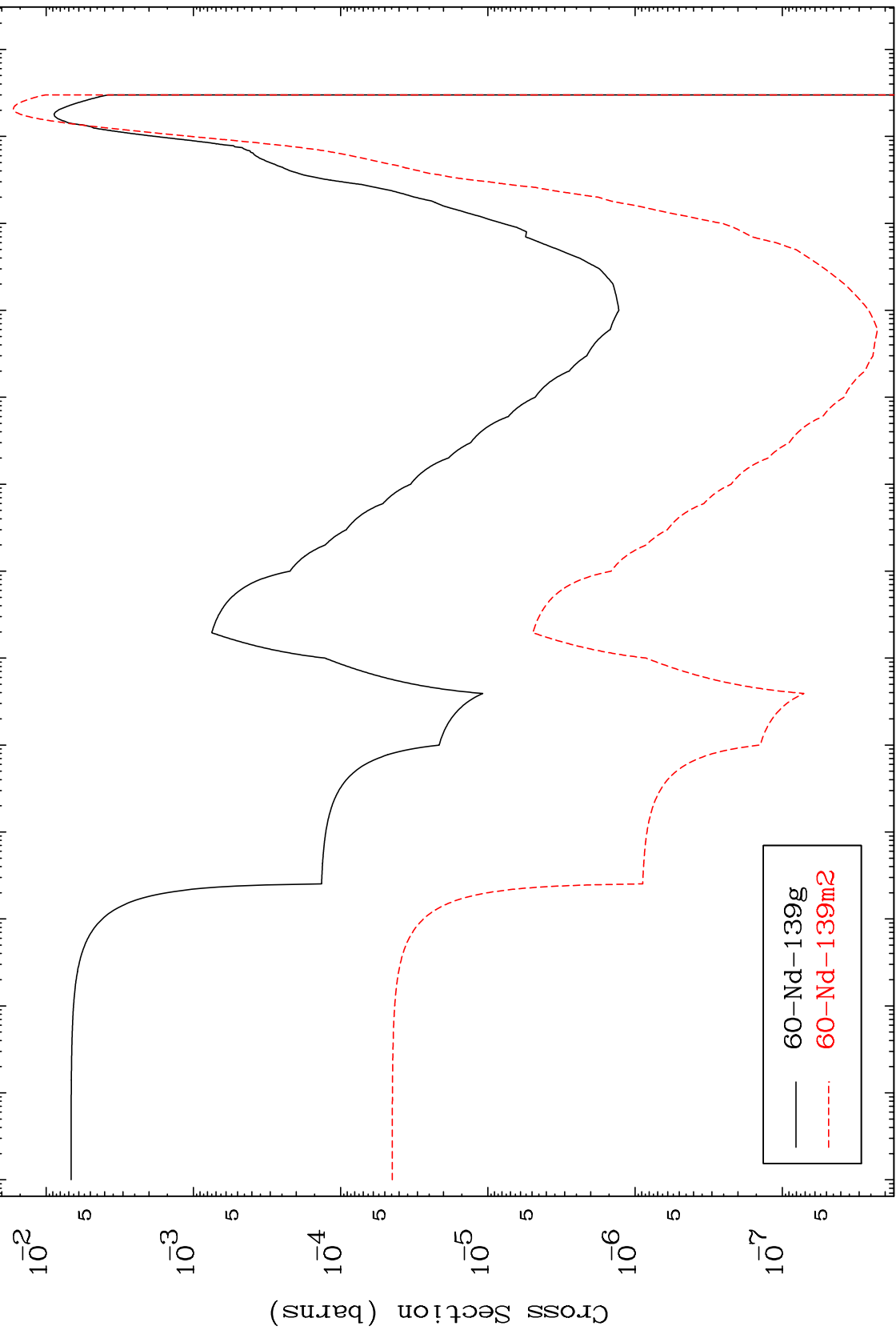
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

Radionuclide Production Cross Section
(n, α)



62-Sm-142

Incident Energy (MeV)

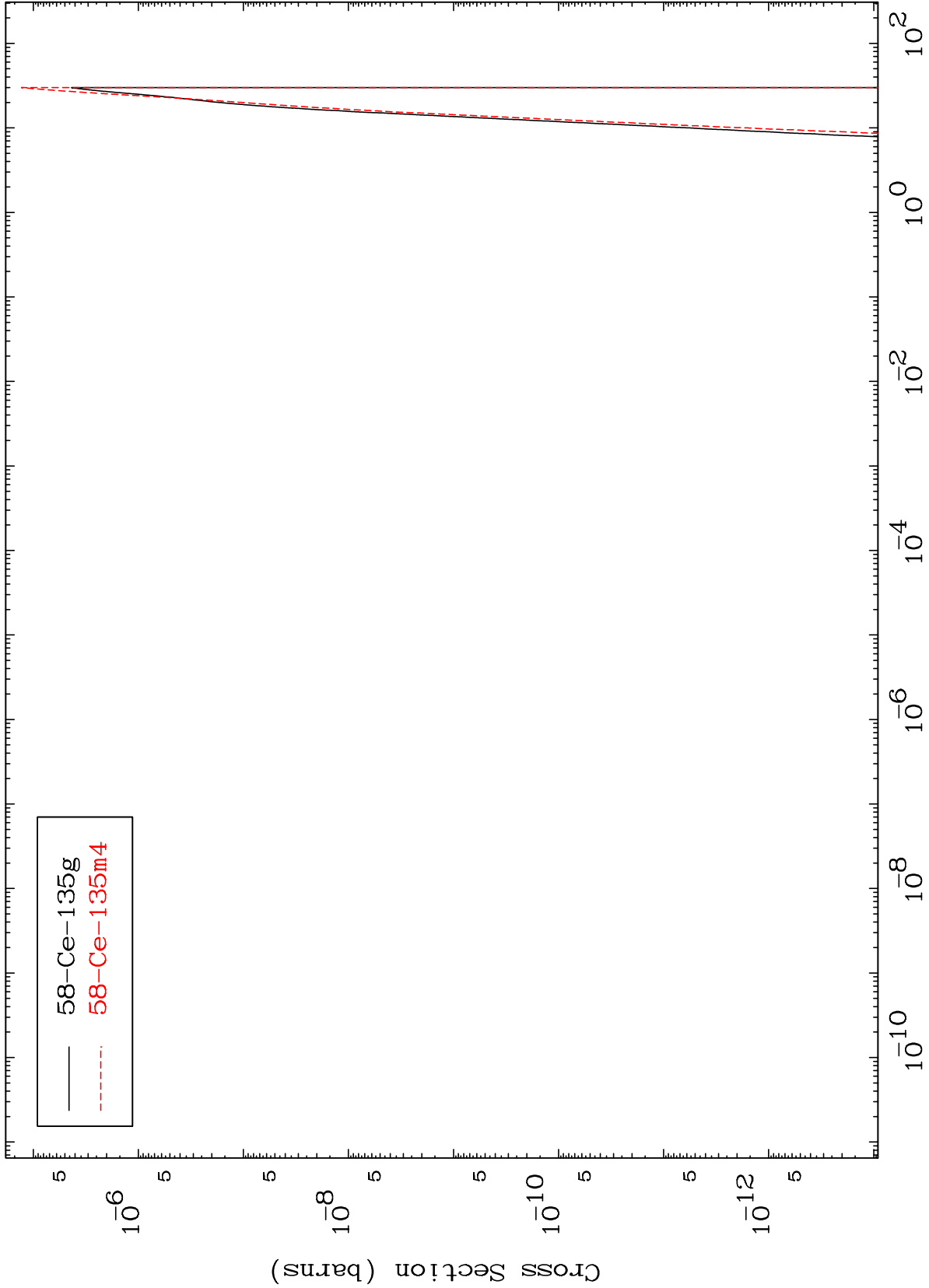
134

MAT 6219

(n,2α)

62-Sm-142

Radionuclide Production Cross Section



135

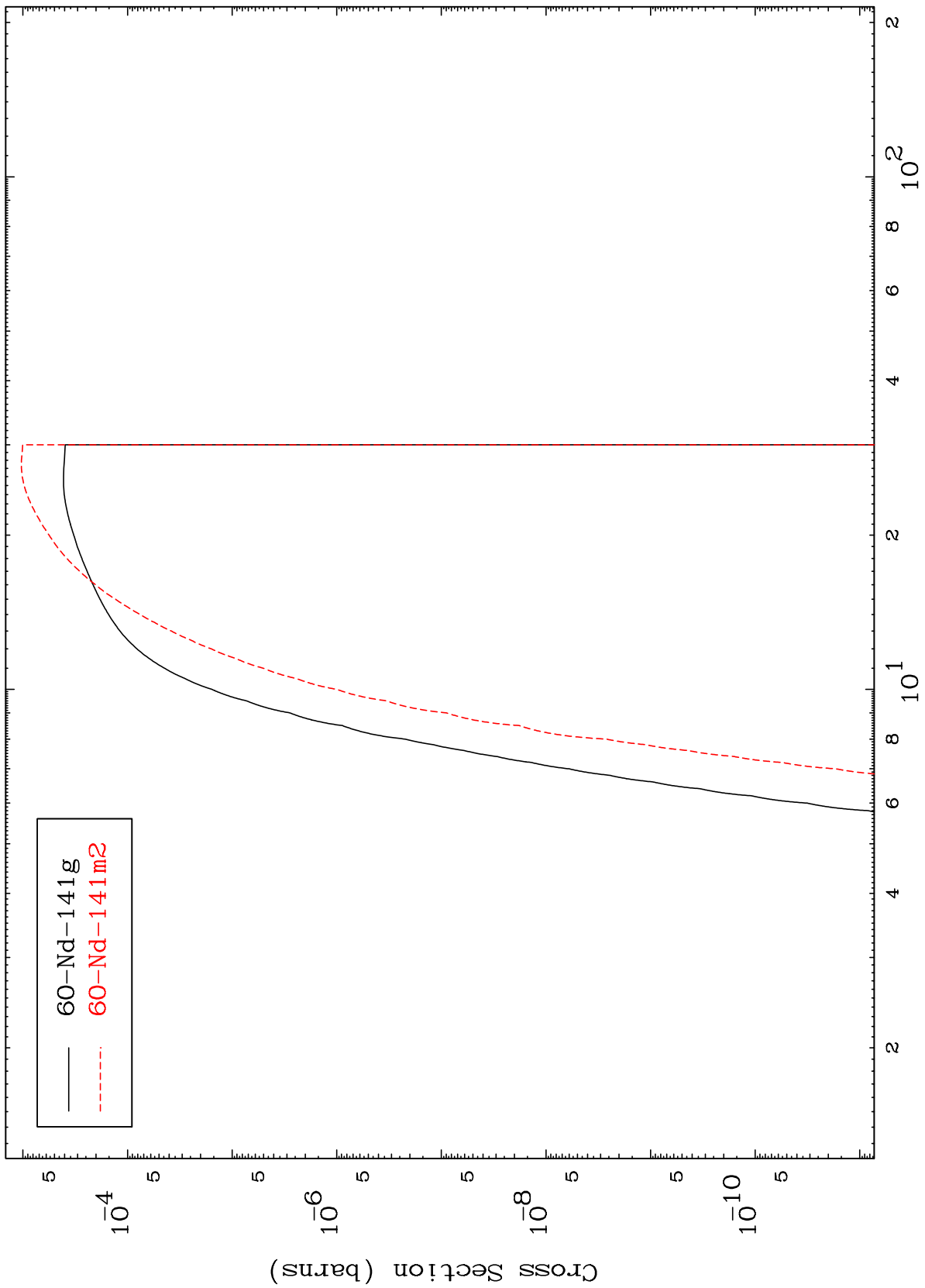
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(n,2p)
Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2

136

62-Sm-142

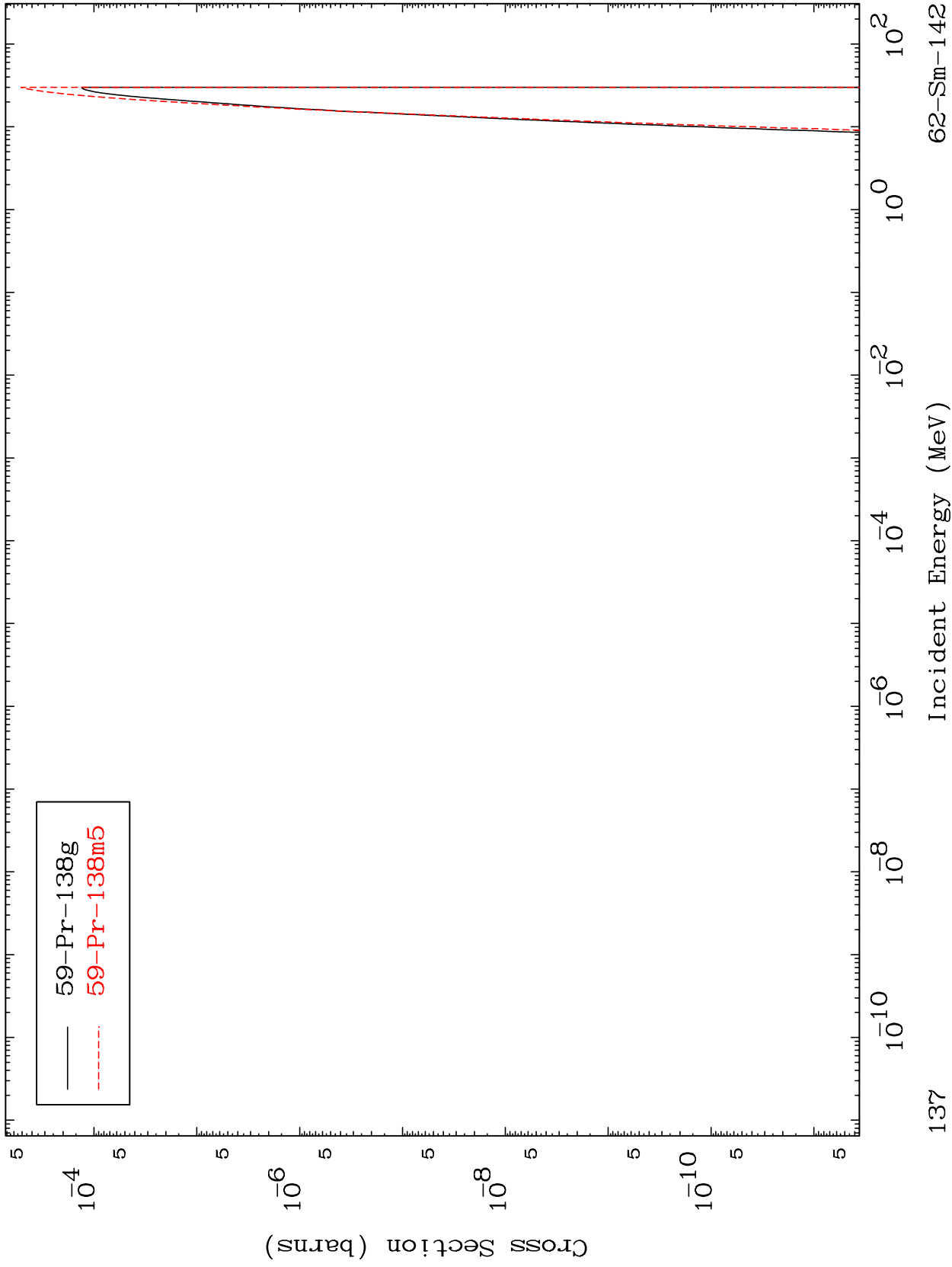
Incident Energy (MeV)

MAT 6219

(n,p) α

62-Sm-142

Radionuclide Production Cross Section



137

Incident Energy (MeV)

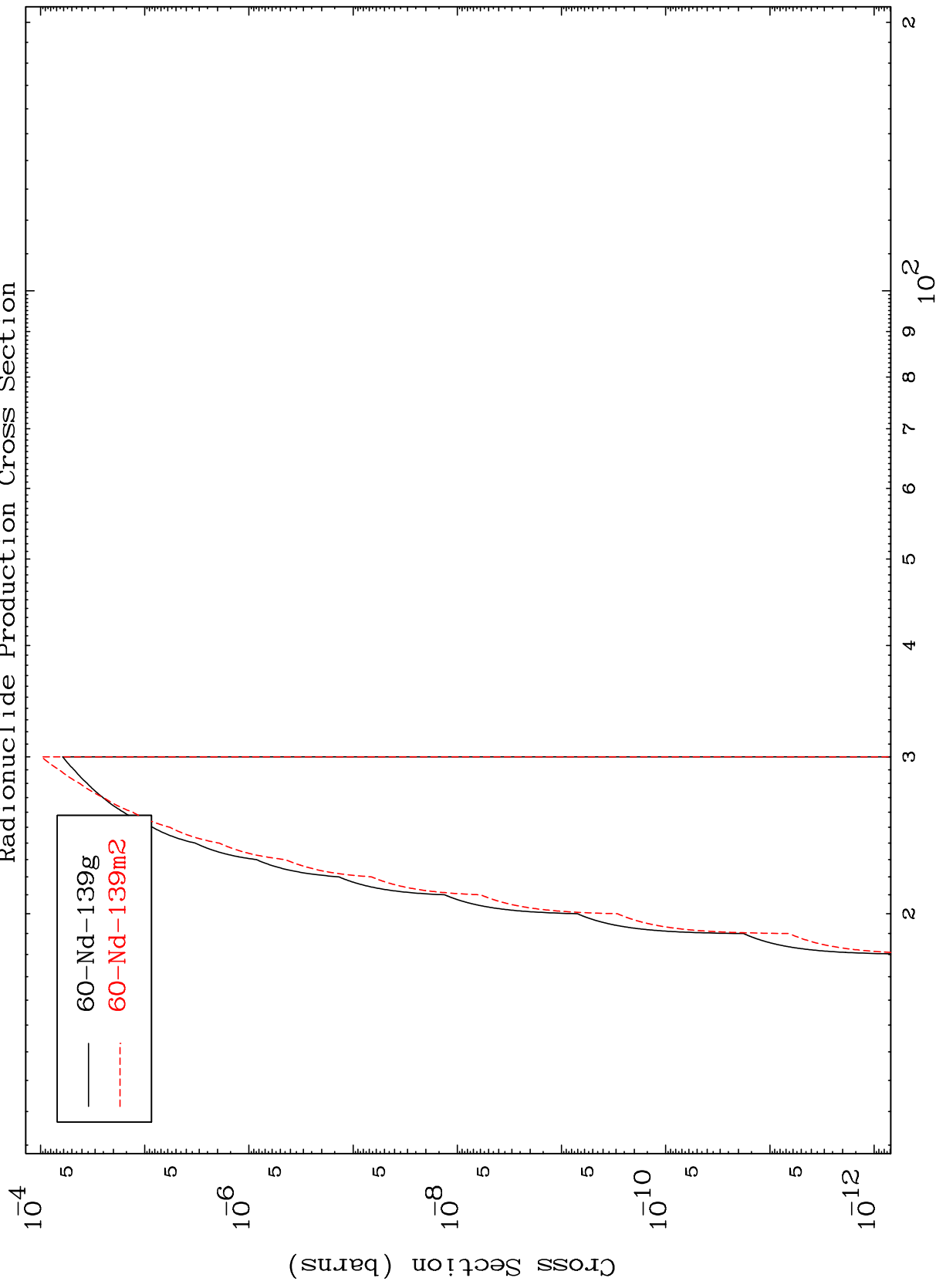
62-Sm-142

MAT 6219

(n,p) t

62-Sm-142

Radionuclide Production Cross Section



138

Incident Energy (MeV)

62-Sm-142