

Program EVALPLOT
(Version 2021-1)

by

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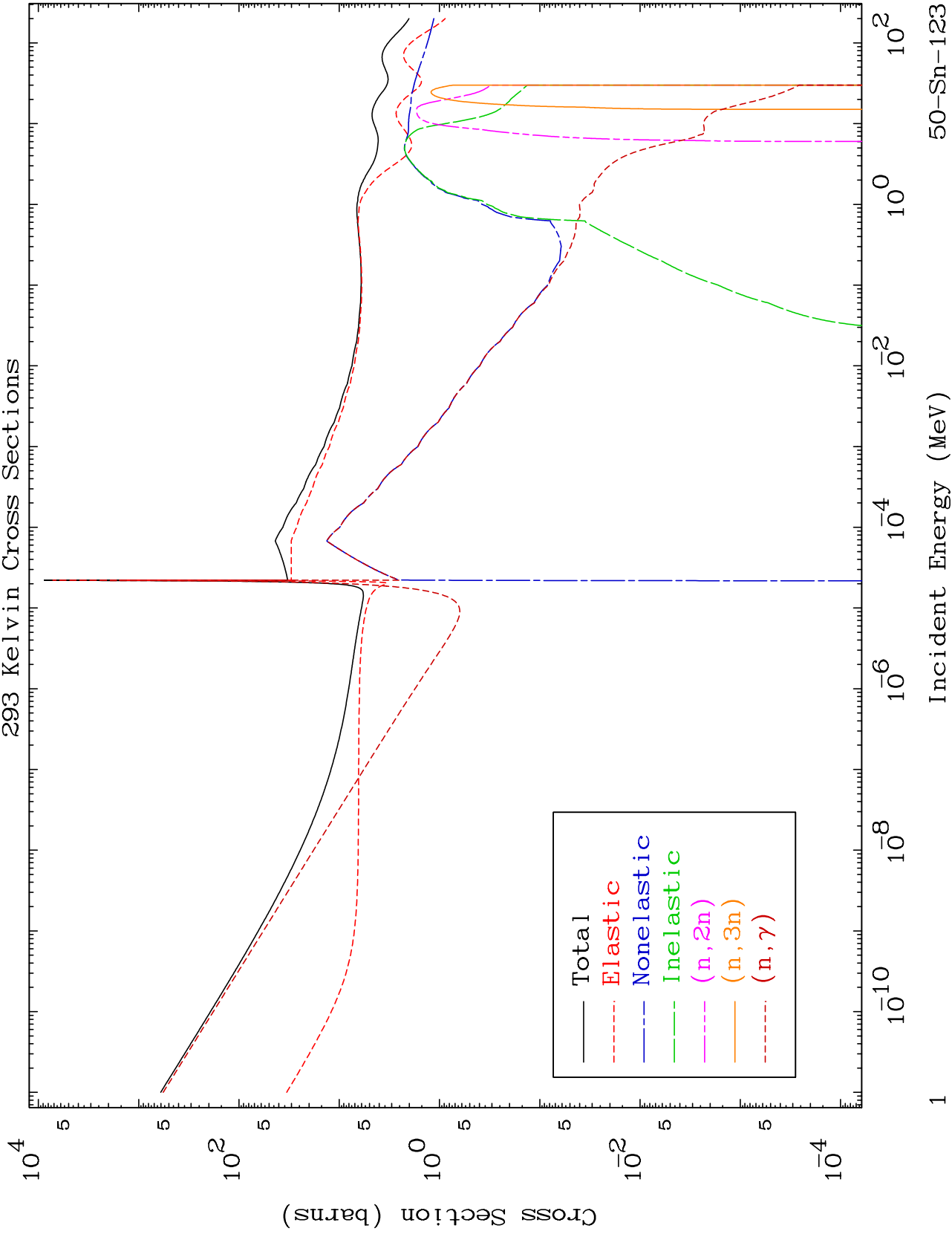
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Press Mouse Button to Start

MAT 5058

Neutron Major
293 Kelvin Cross Sections

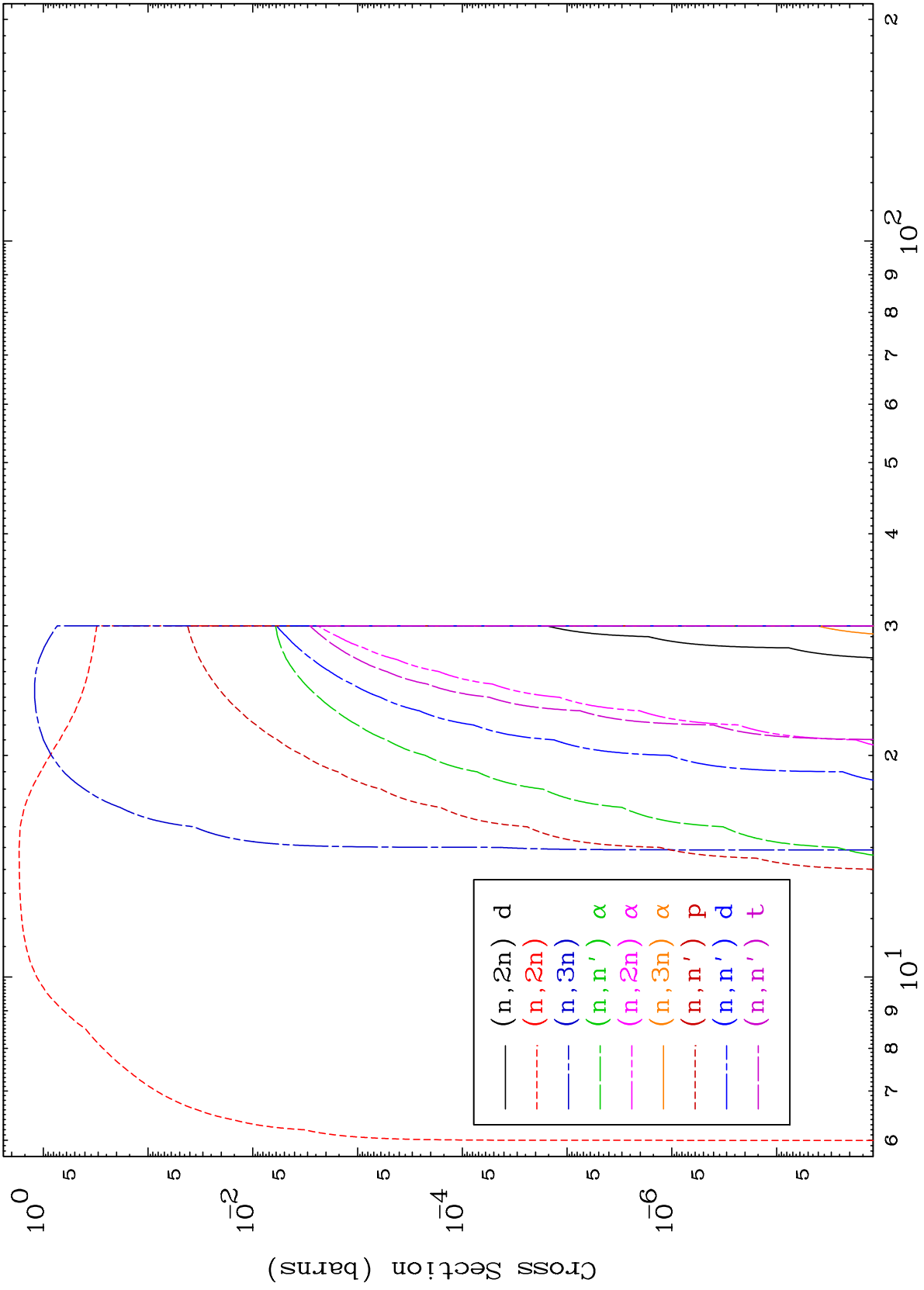
50-Sn-123



MAT 5058

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-123



2

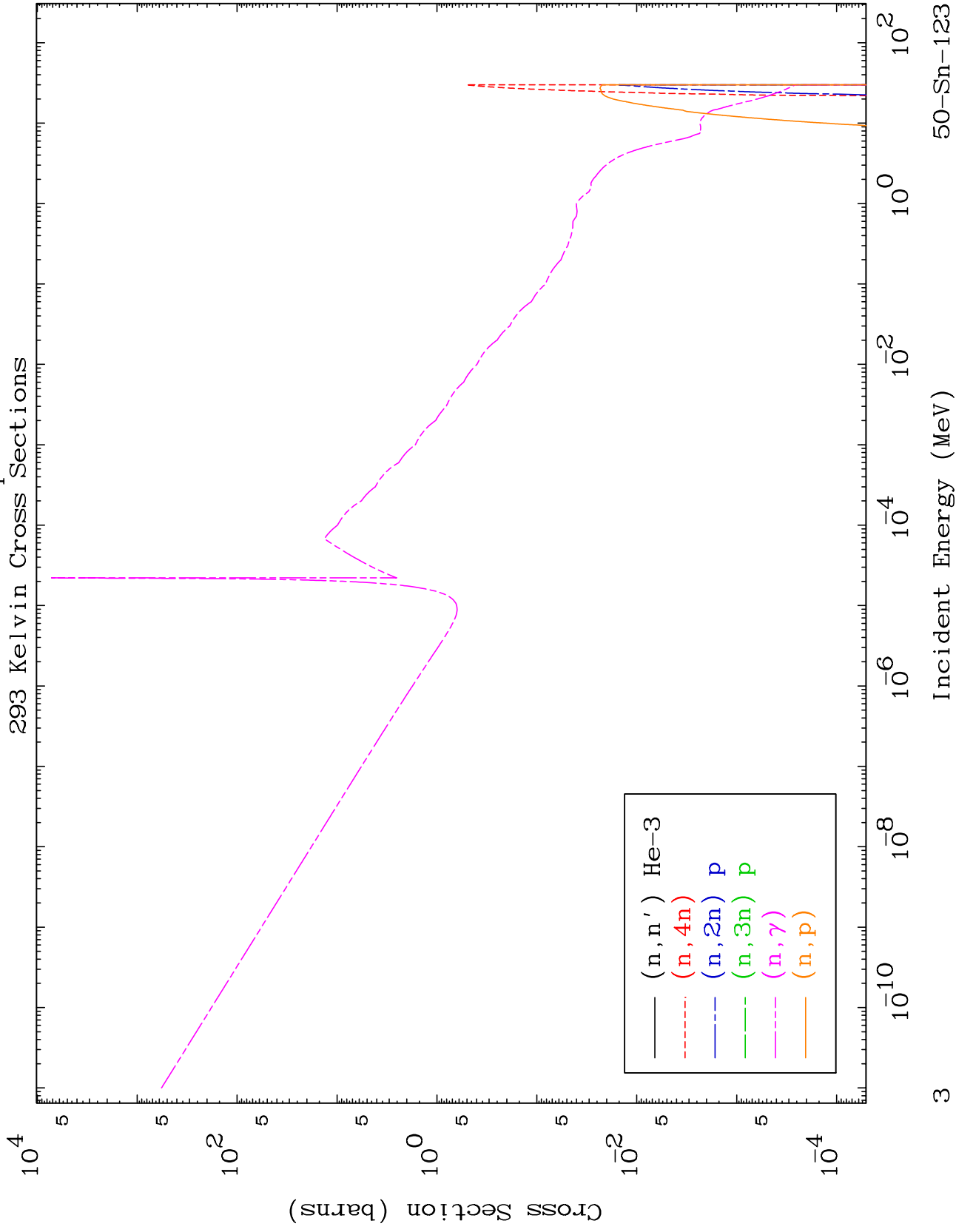
Incident Energy (MeV)

50-Sn-123

MAT 5058

Neutron Absorption
293 Kelvin Cross Sections

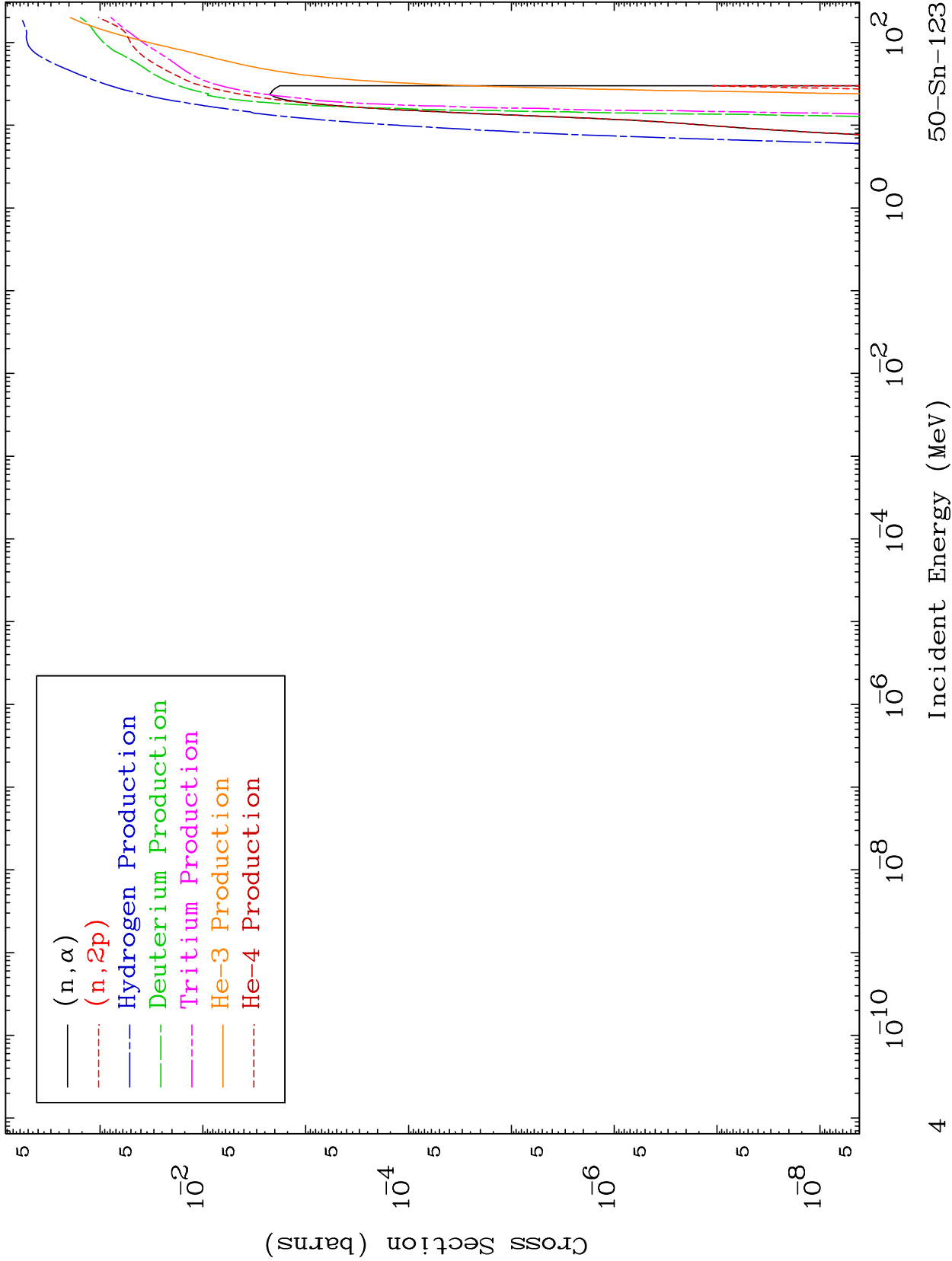
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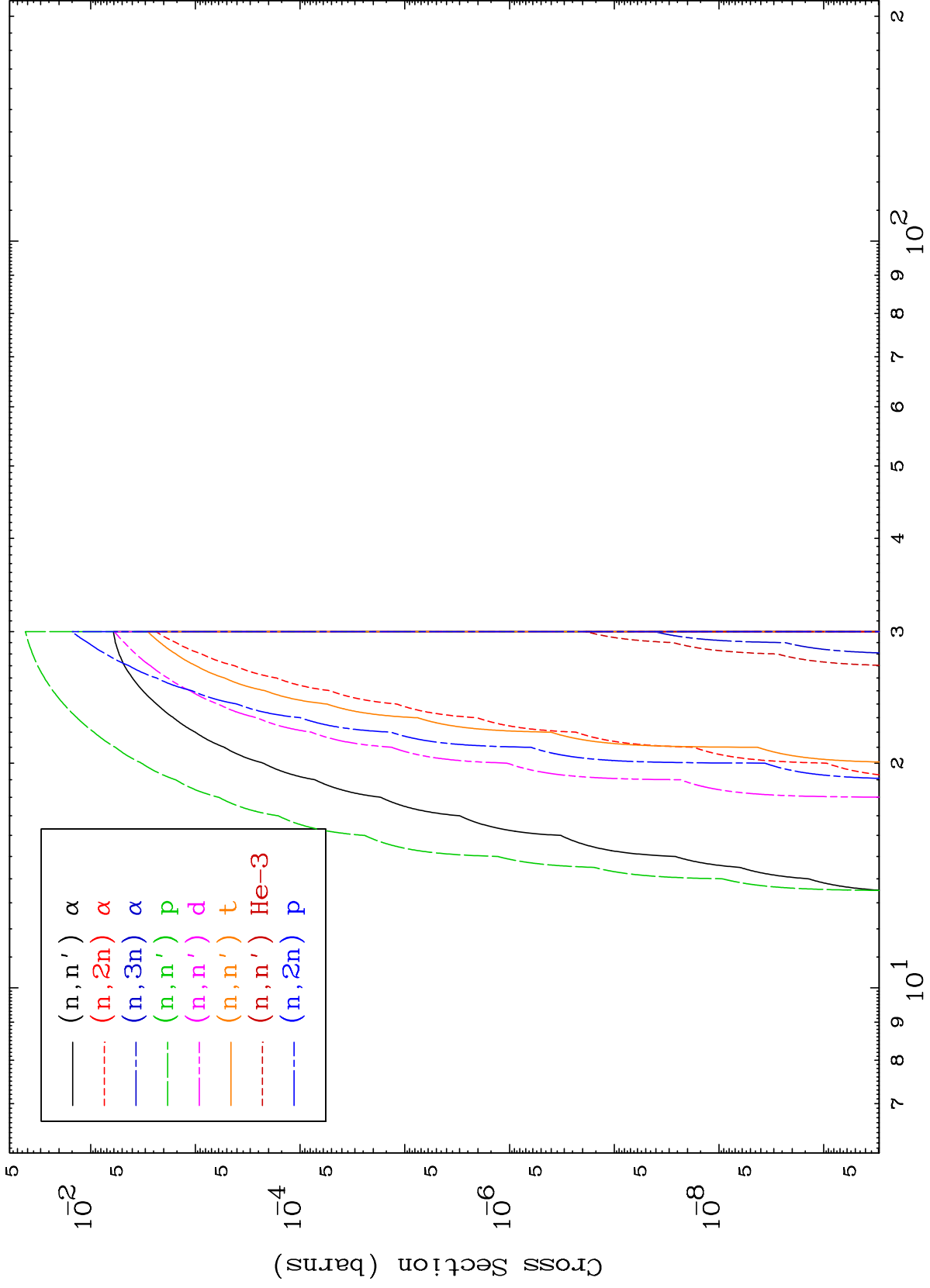


MAT 5058

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-123

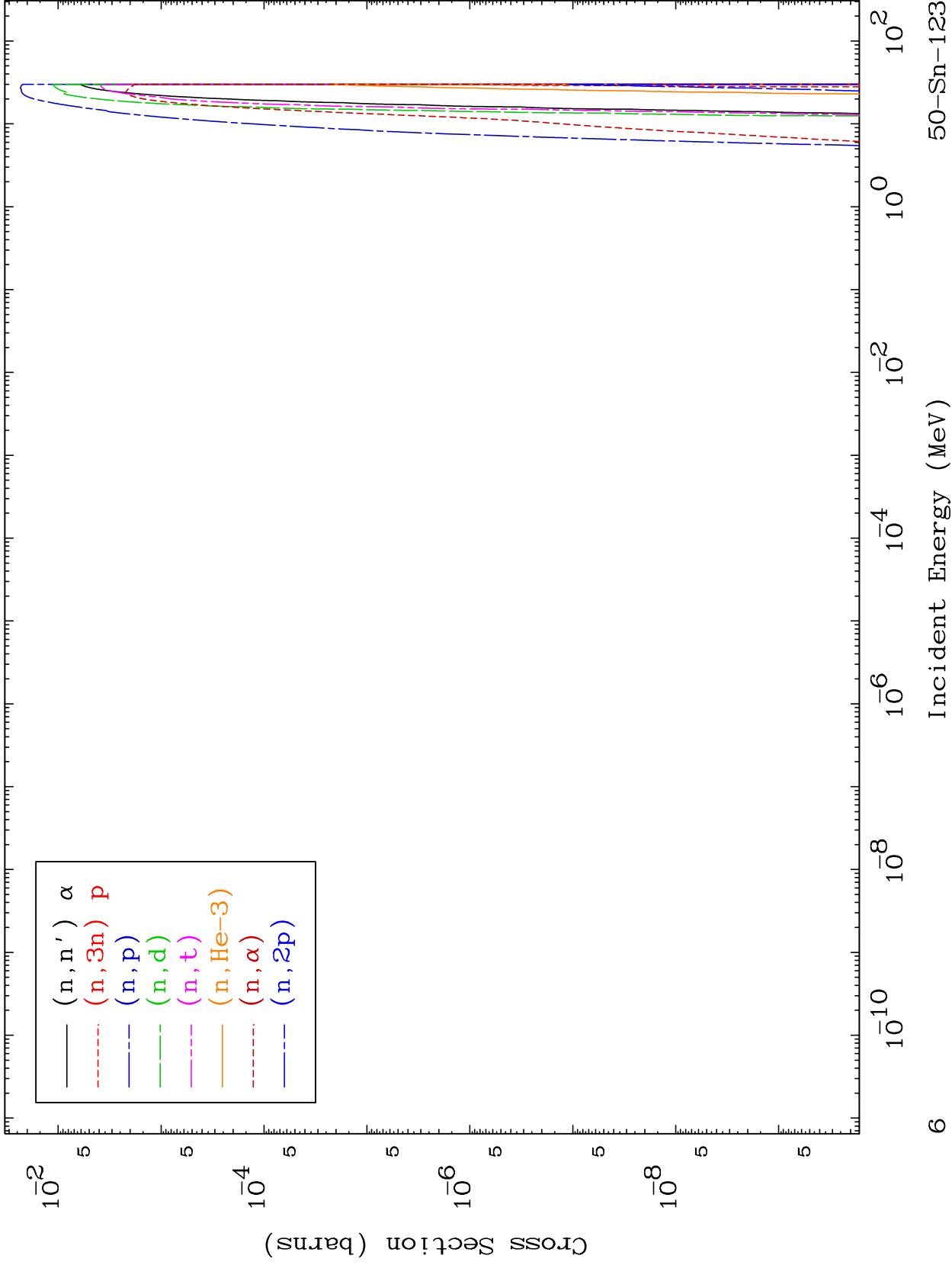




MAT 5058

Charged Particle
293 Kelvin Cross Sections

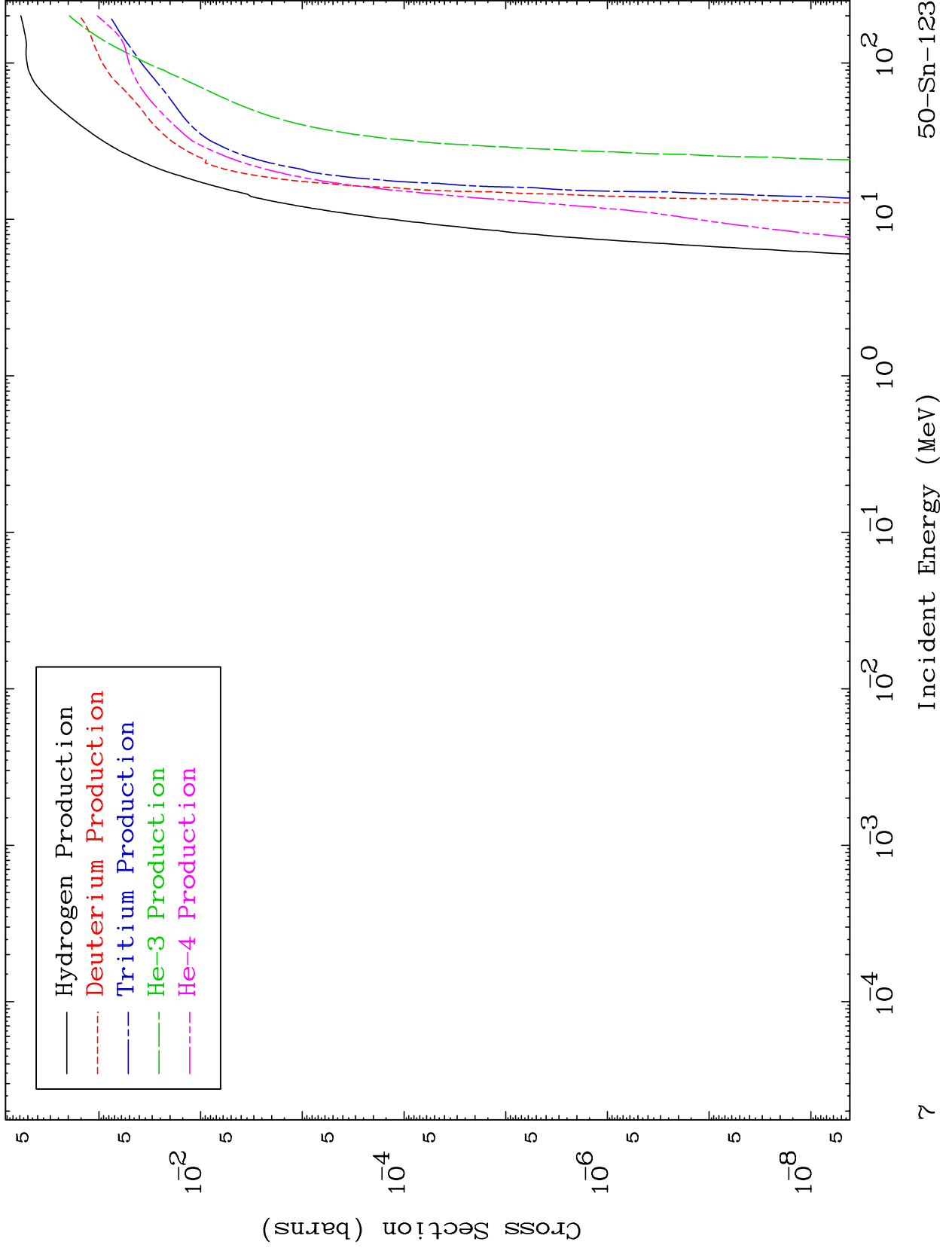
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MAT 5058

Particle Production
293 Kelvin Cross Sections

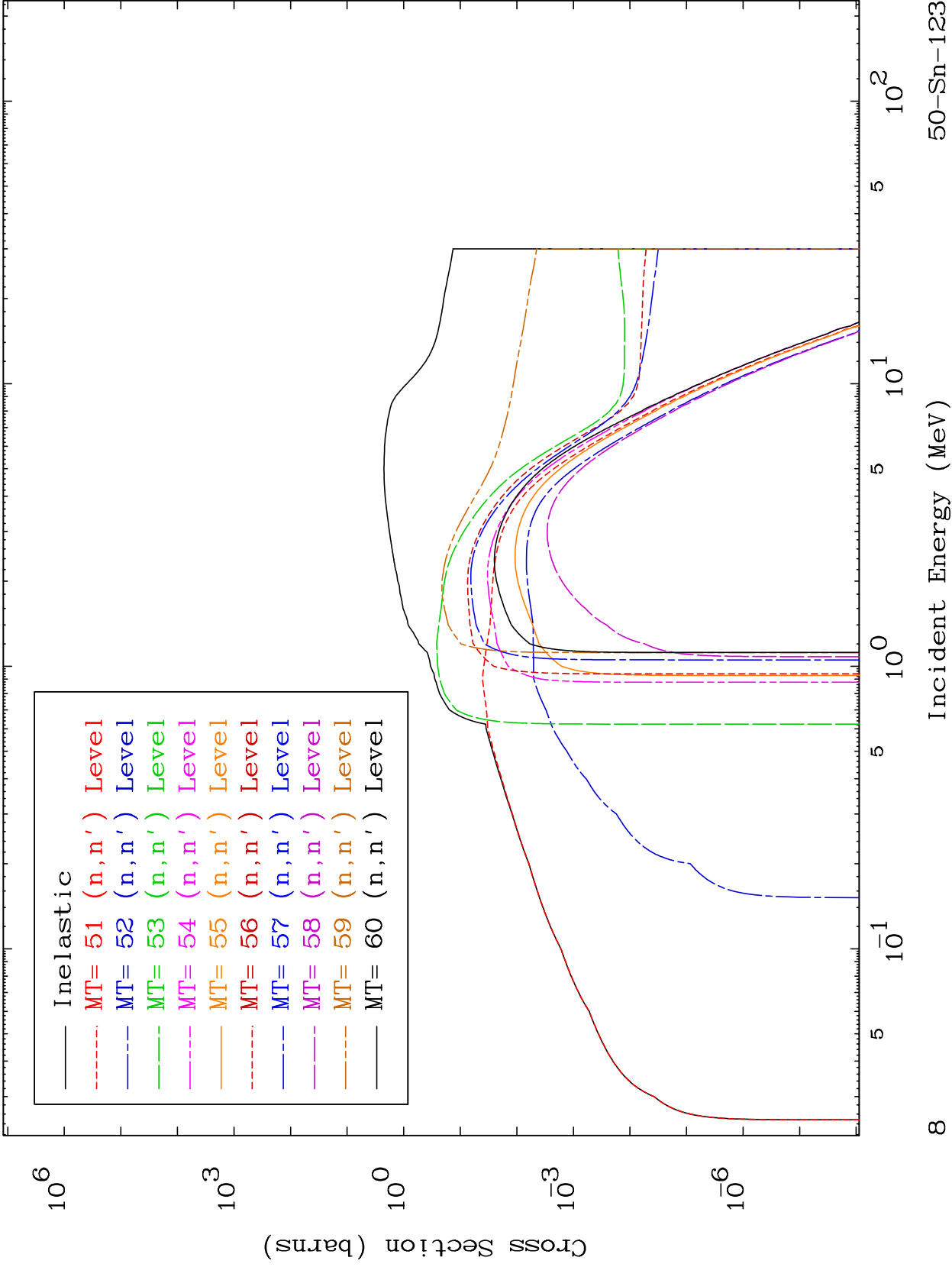
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MAT 5058

293 Kelvin Cross Sections

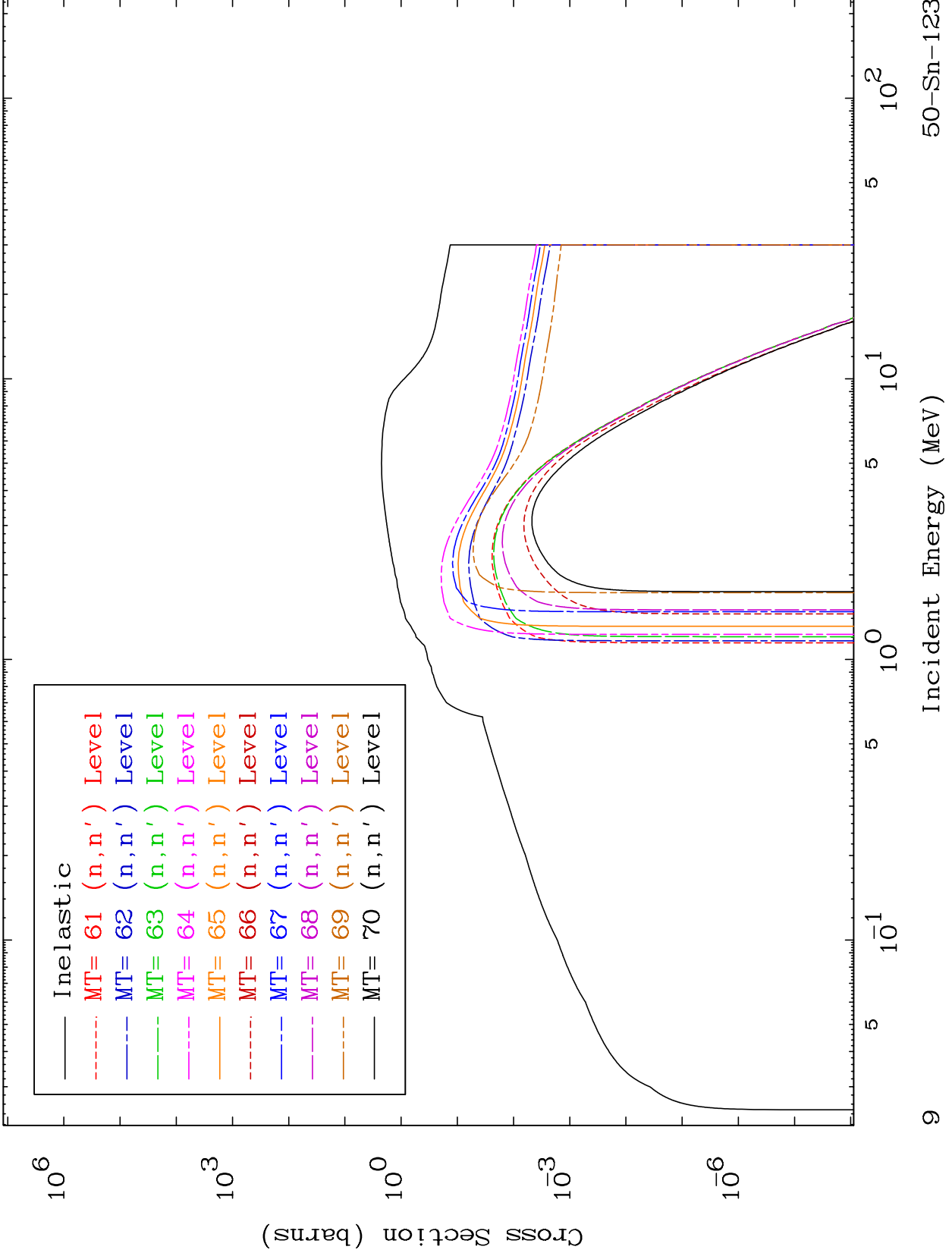
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MAT 5058

(n,n') Levels
293 Kelvin Cross Sections

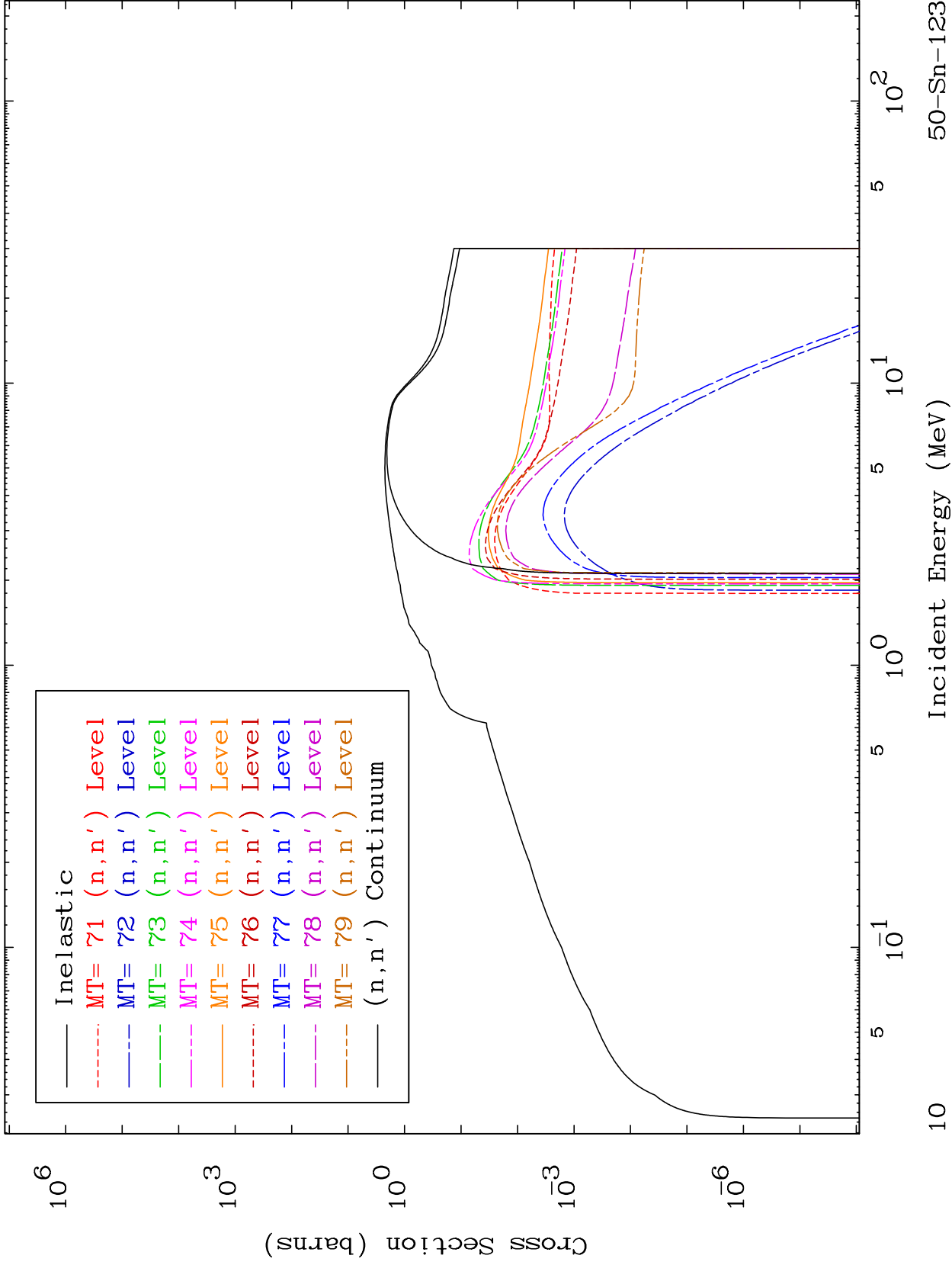
50-Sn-123



MAT 5058

293 Kelvin Cross Sections

50-Sn-123



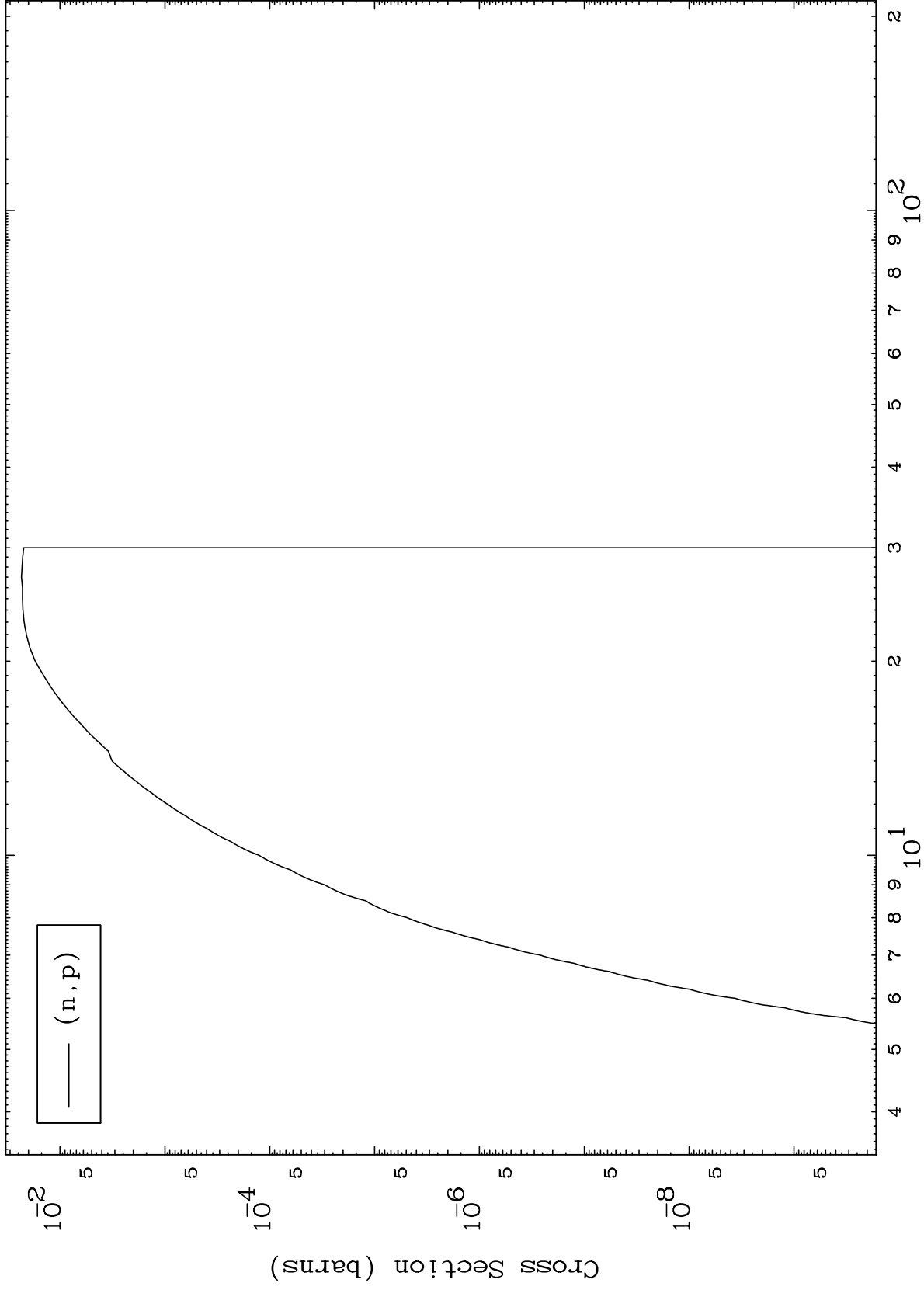
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50-Sn-123

MAT 5058

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-123



11

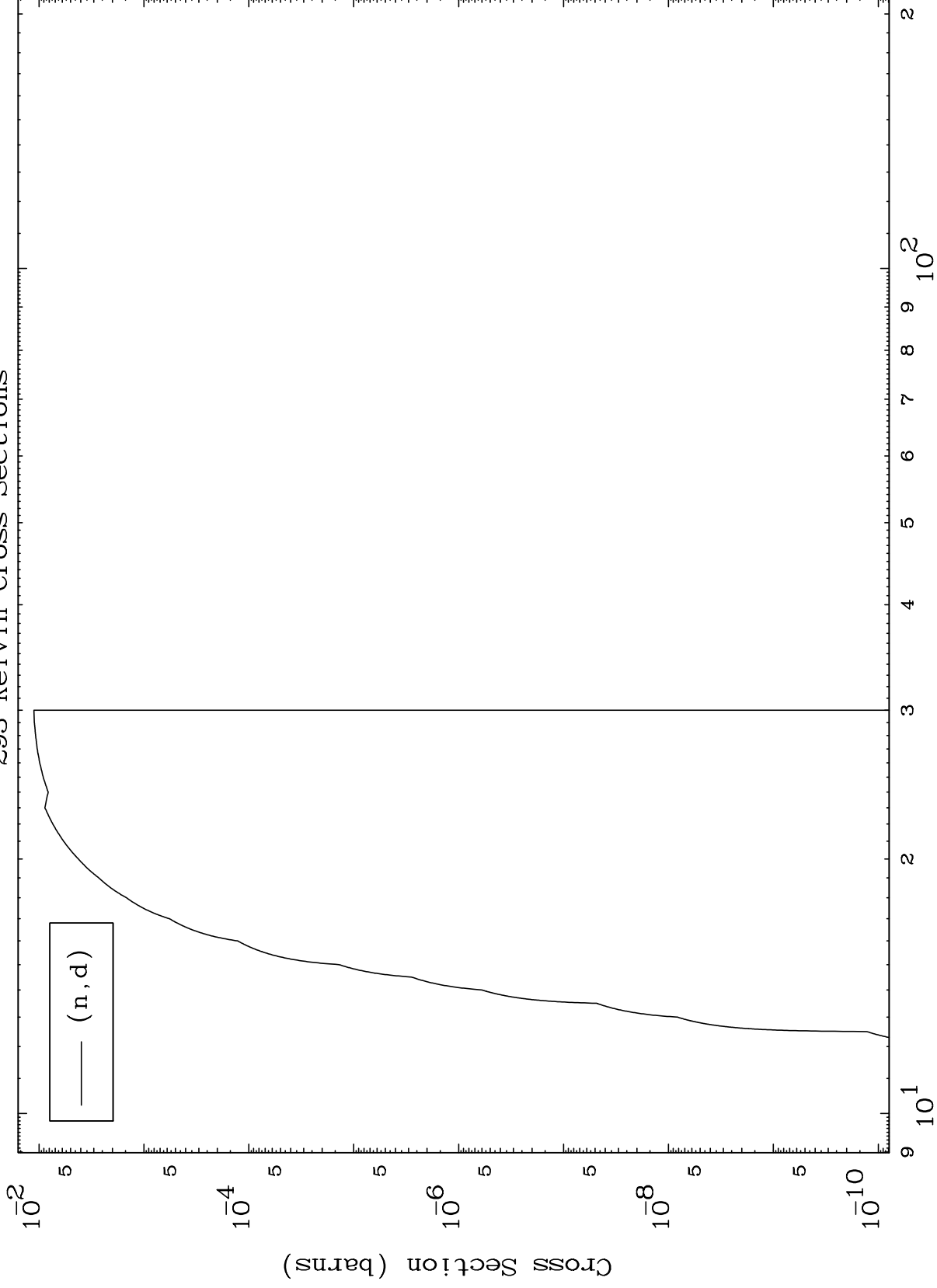
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50-Sn-123

MAT 5058

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-123



12

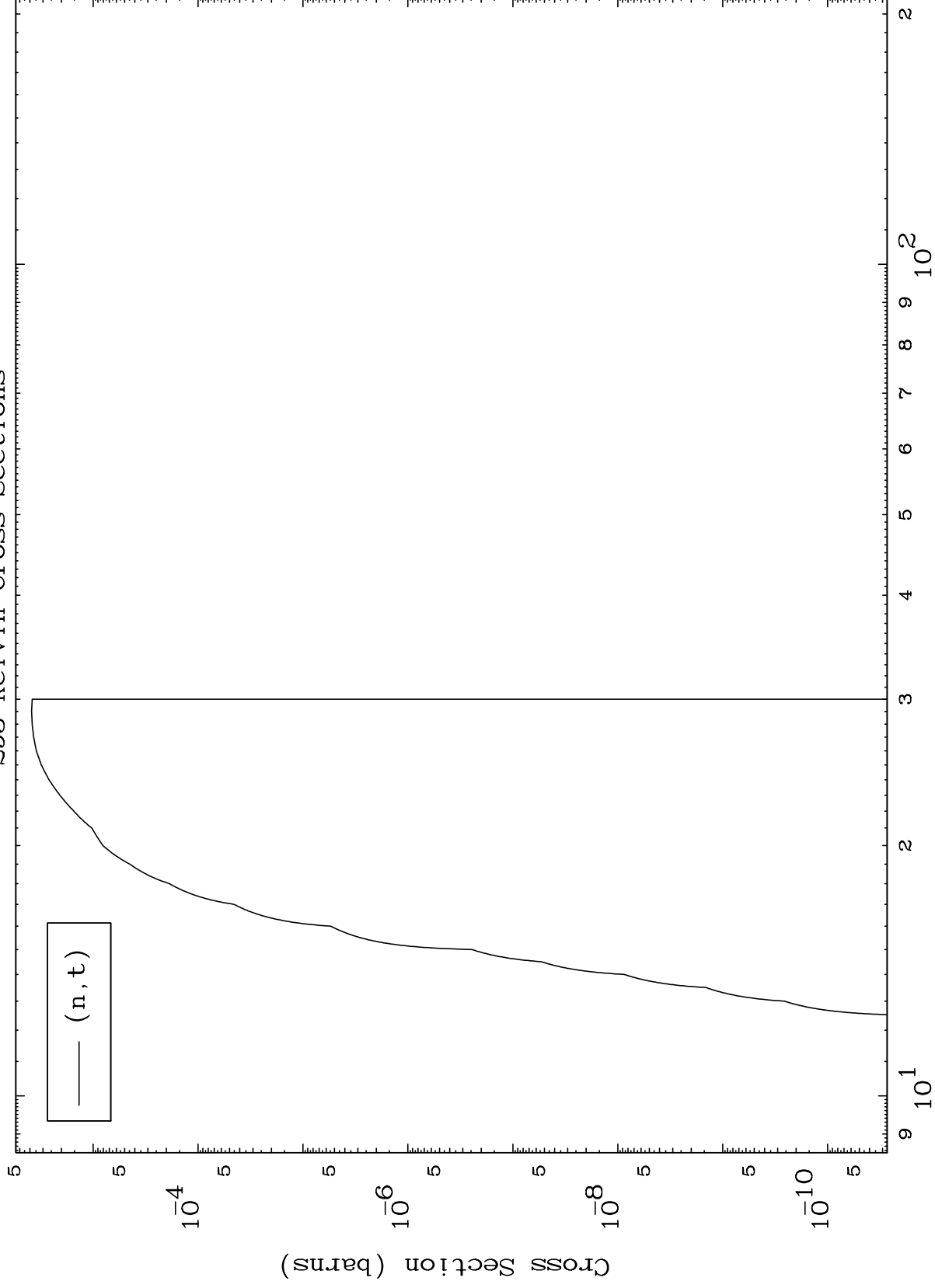
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-123



13

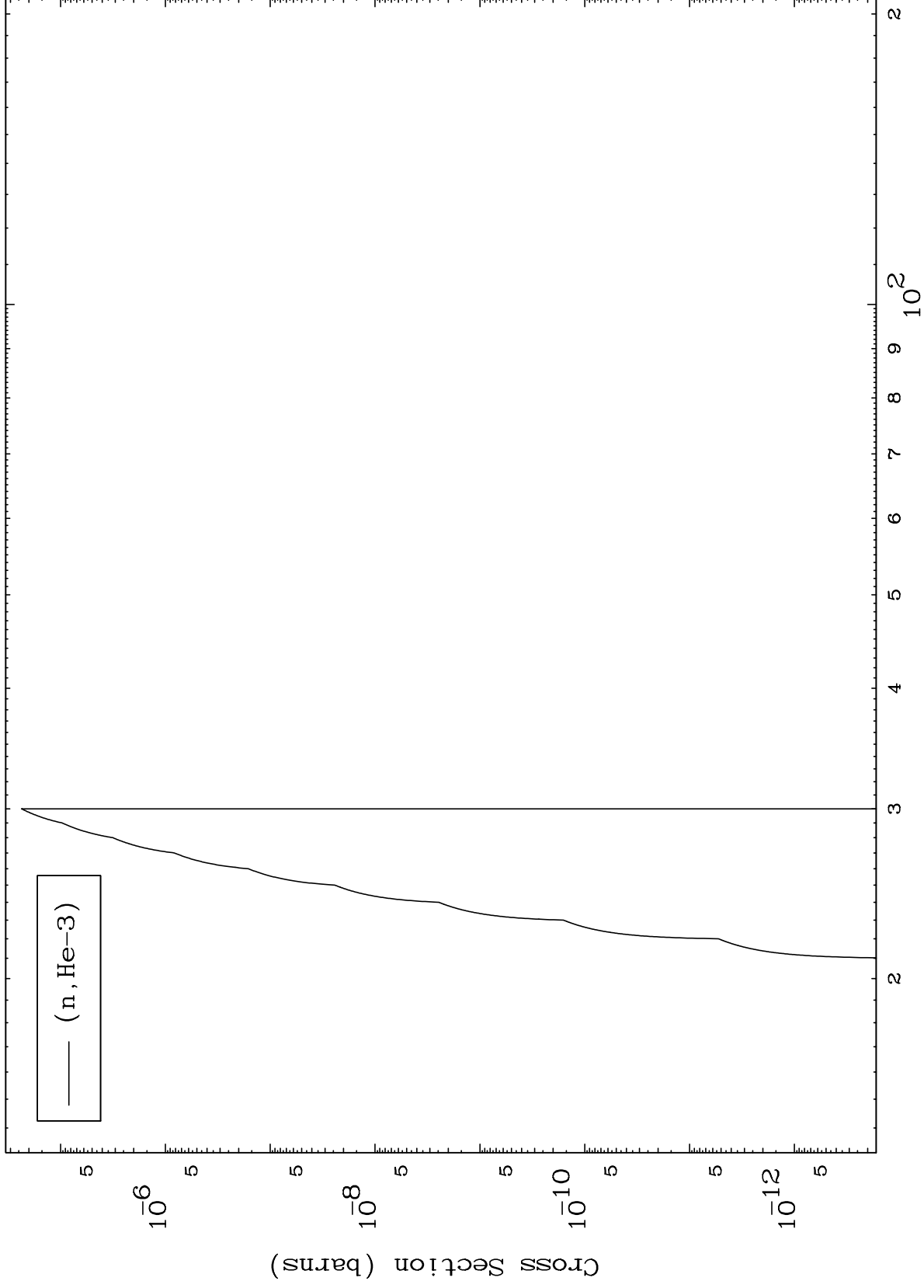
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-123



14

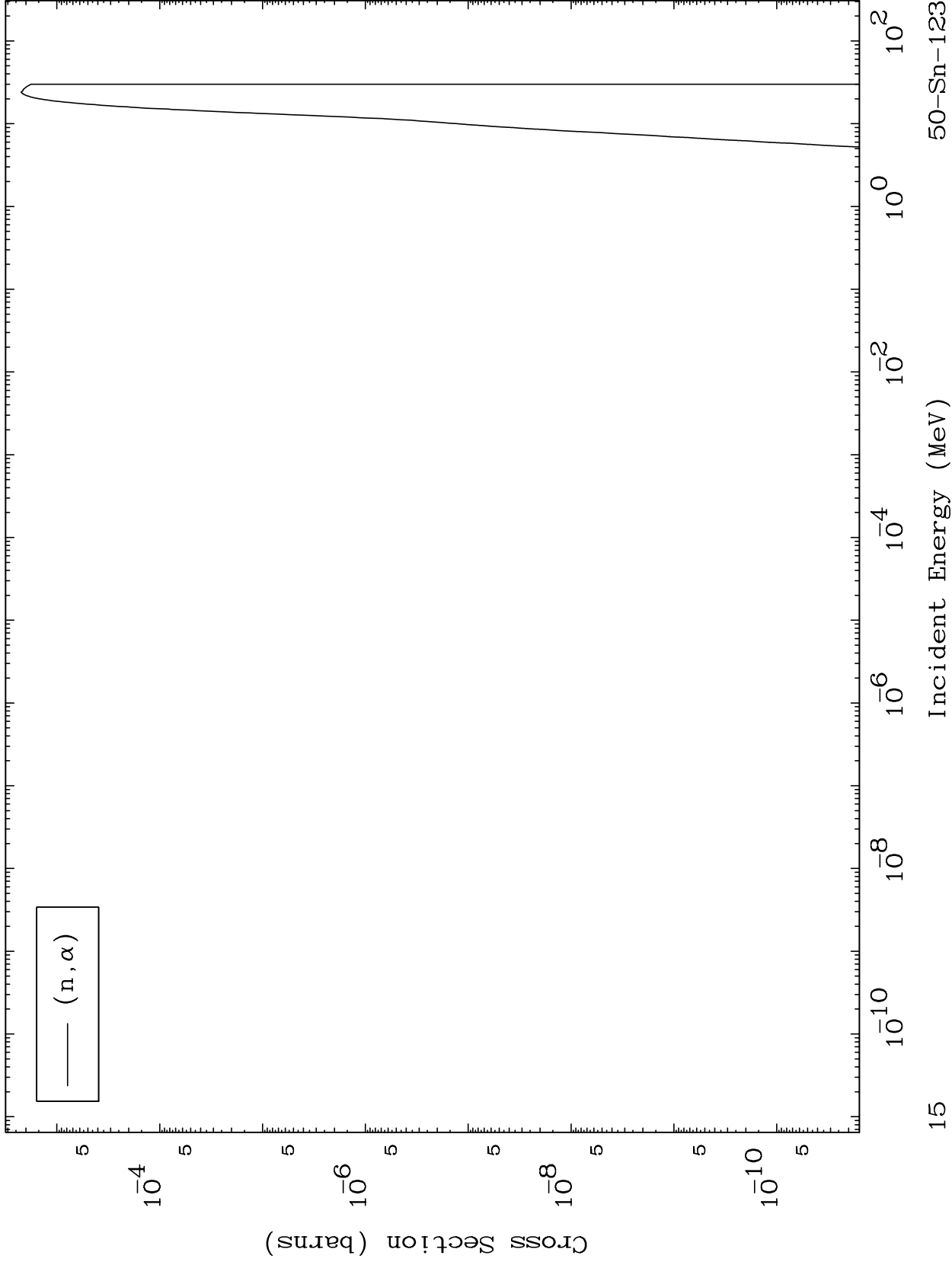
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n, α) Levels
293 Kelvin Cross Sections

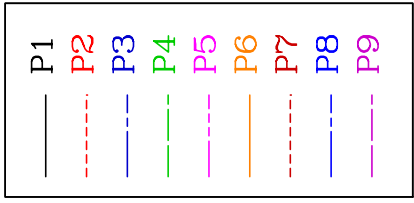
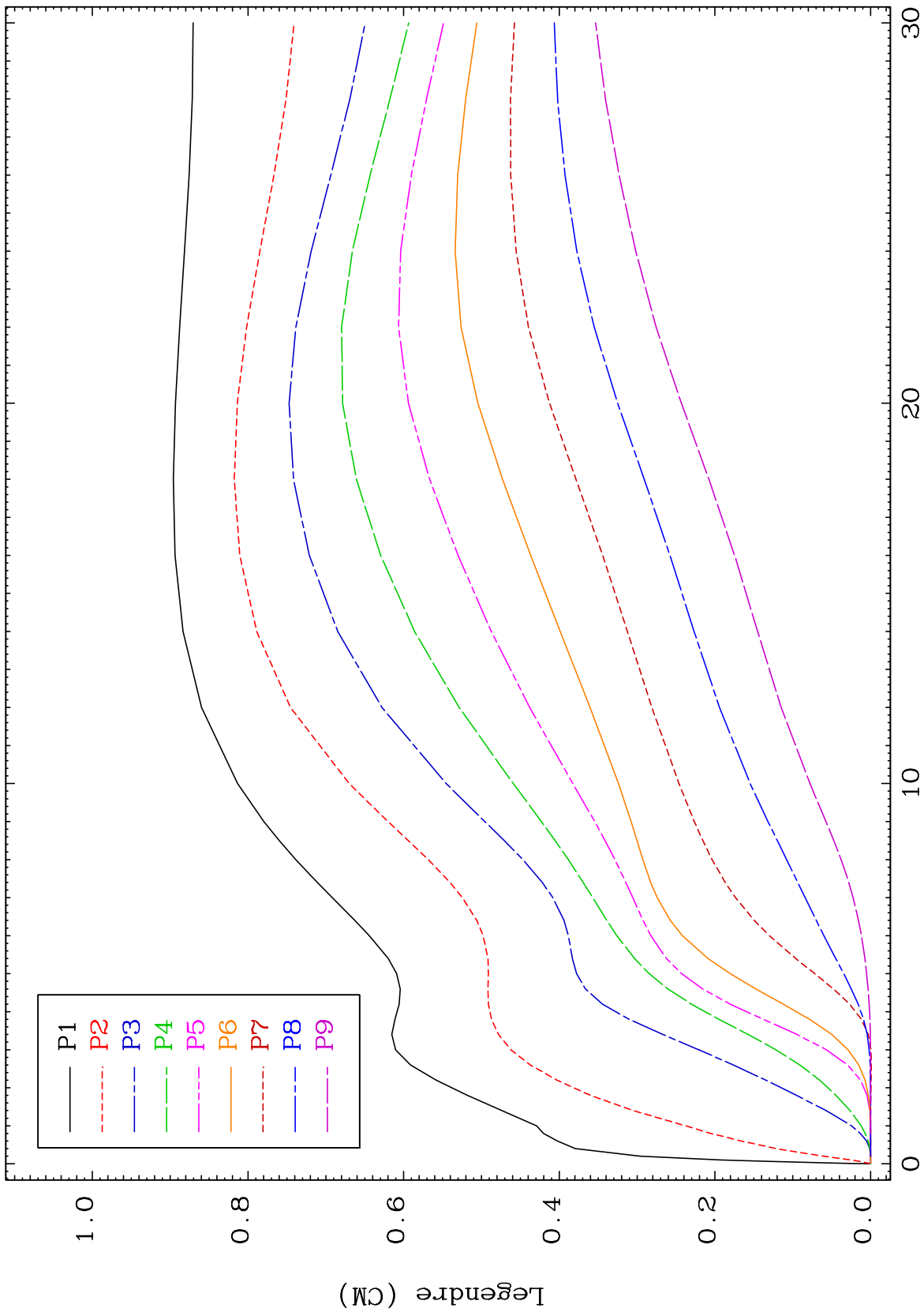
50-Sn-123



MAT 5058

Elastic Legendre Coefficients

50-Sn-123



16

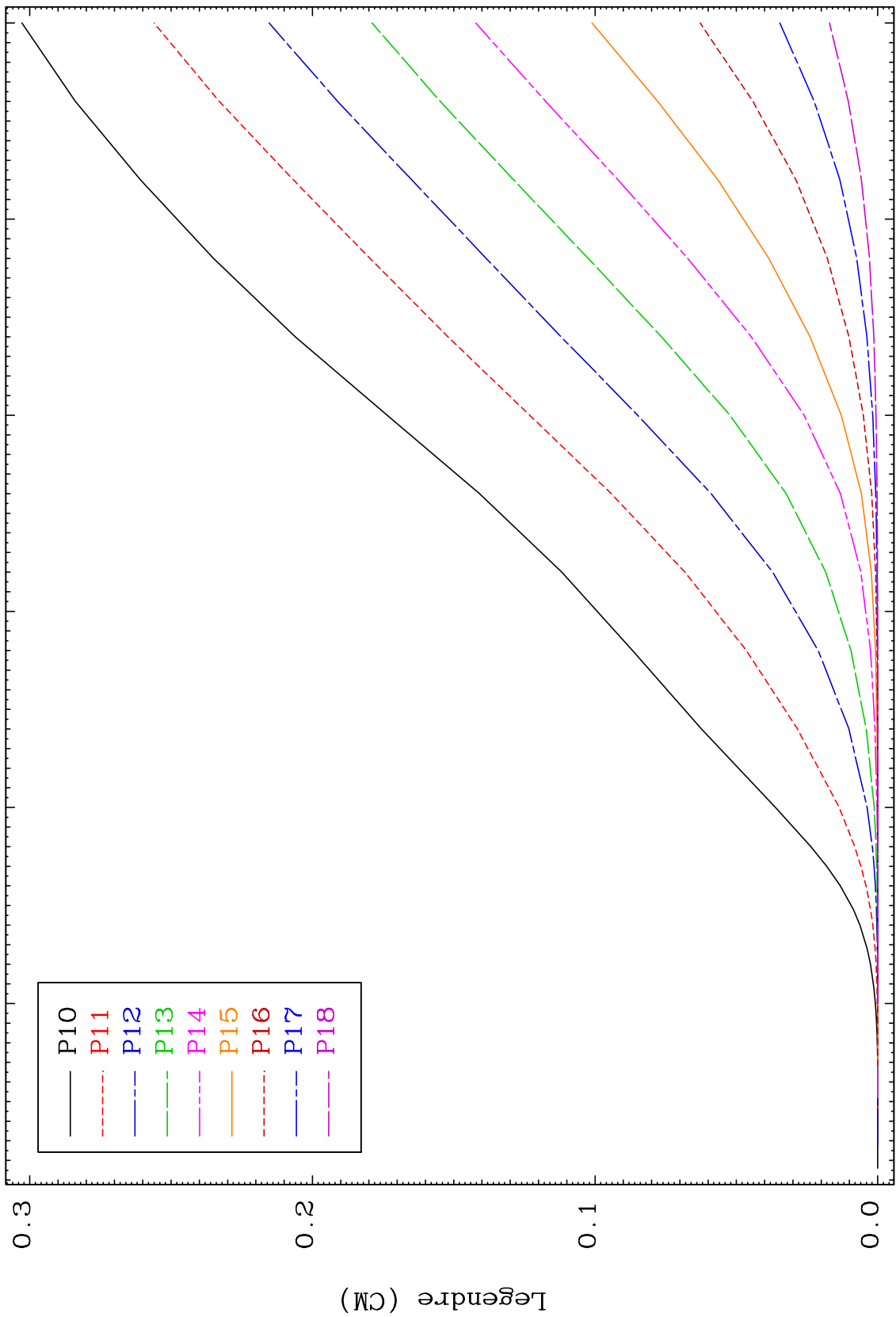
Incident Energy (MeV)

50-Sn-123

MAT 5058

Elastic Legendre Coefficients

50-Sn-123



17

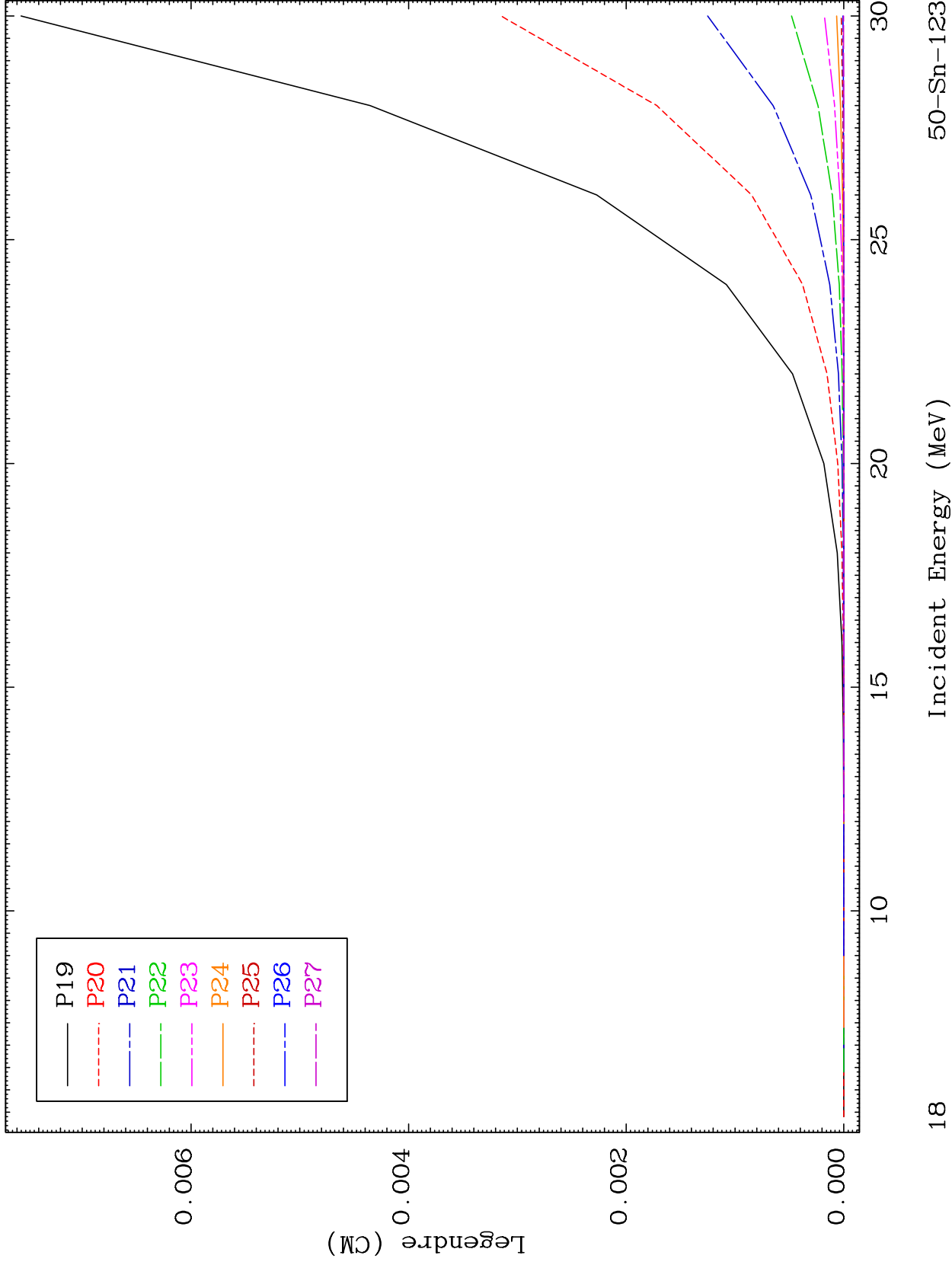
50-Sn-123

Incident Energy (MeV)

MAT 5058

Elastic Legendre Coefficients

50-Sn-123

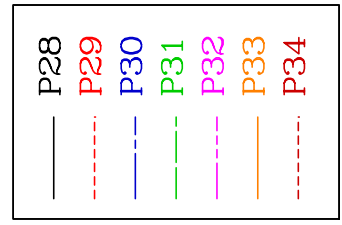


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 5058

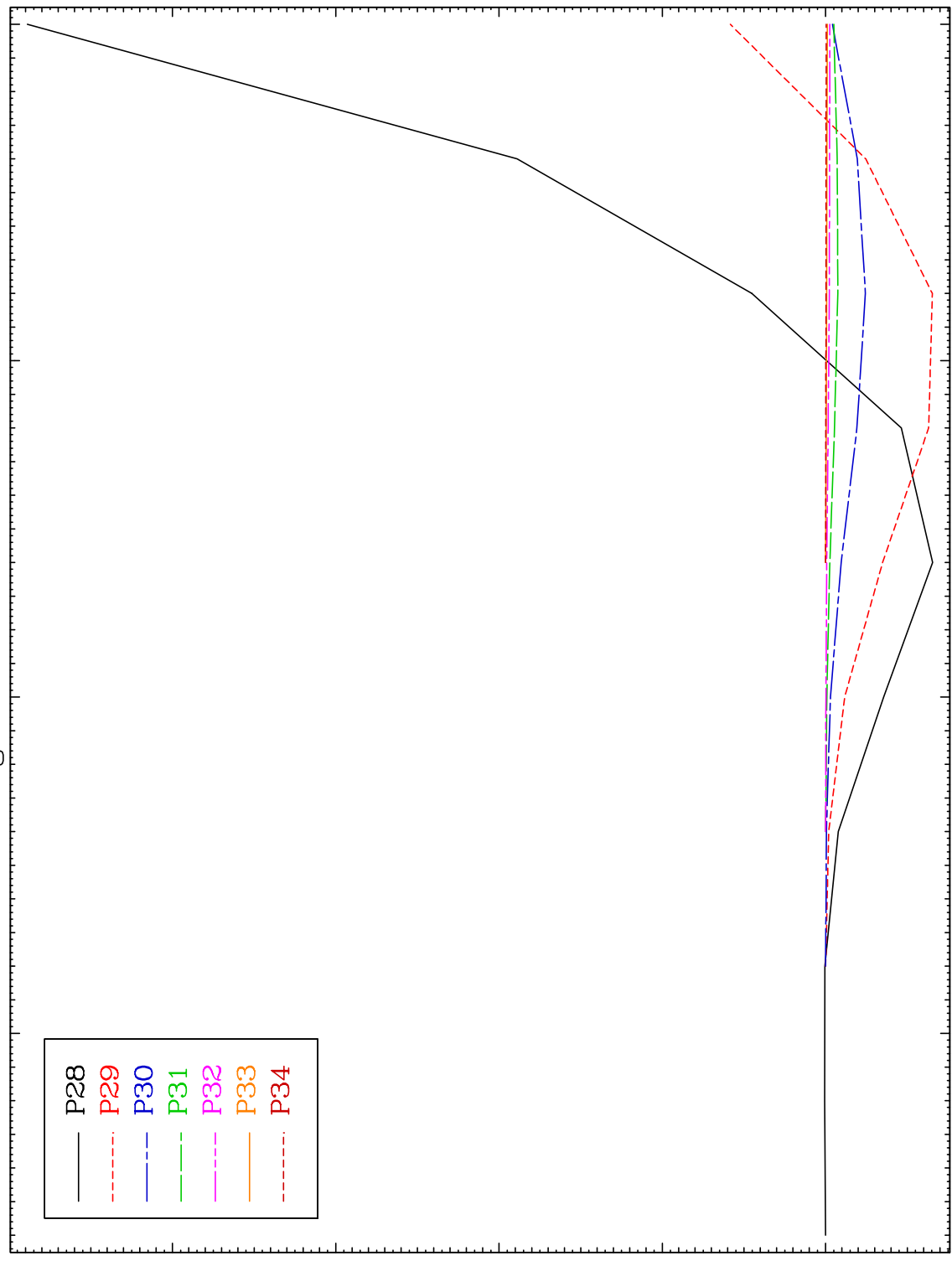
Elastic Legendre Coefficients

50-Sn-123



$\times 10^{-7}$

Legendre (CM)



19

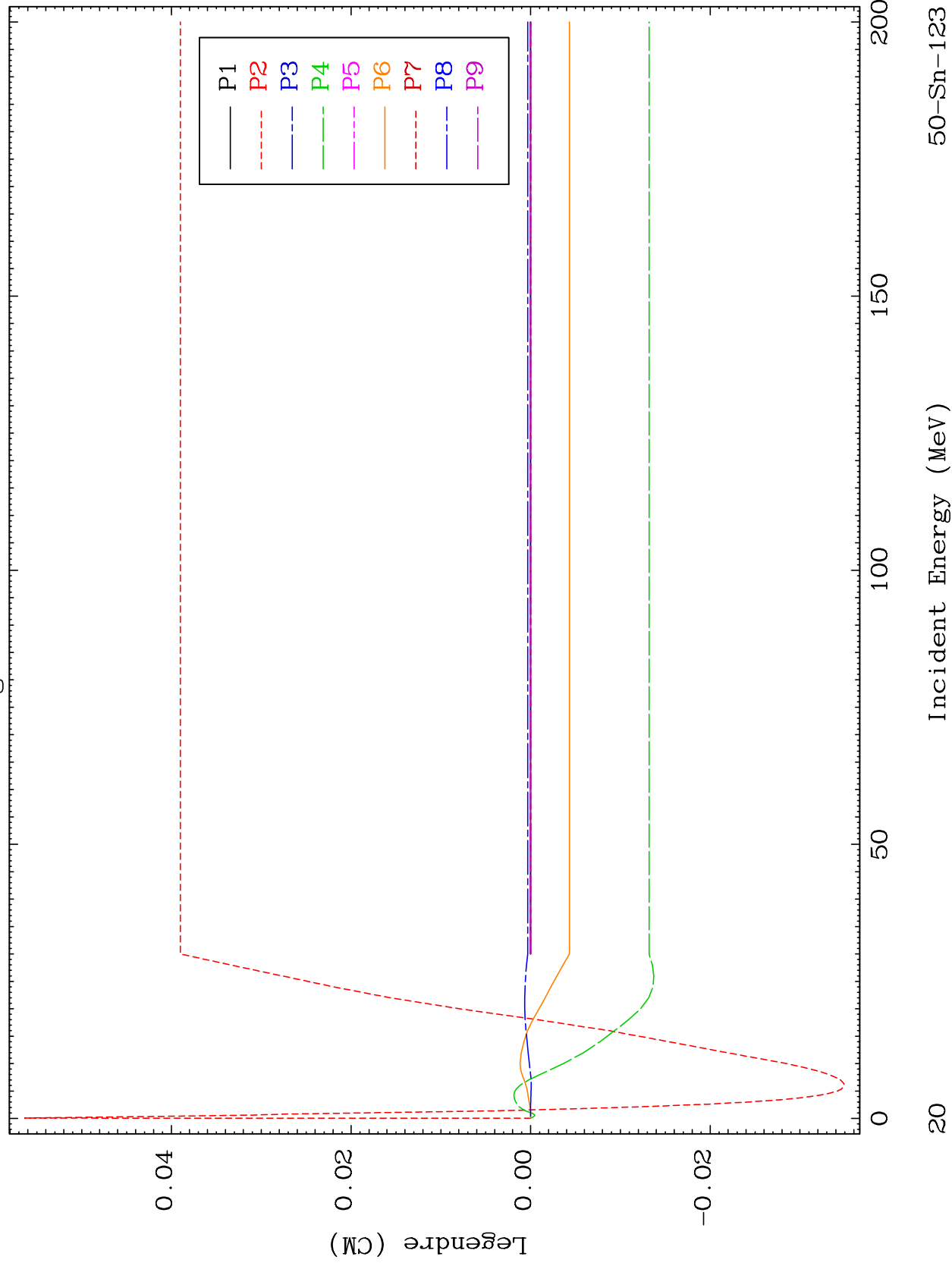
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

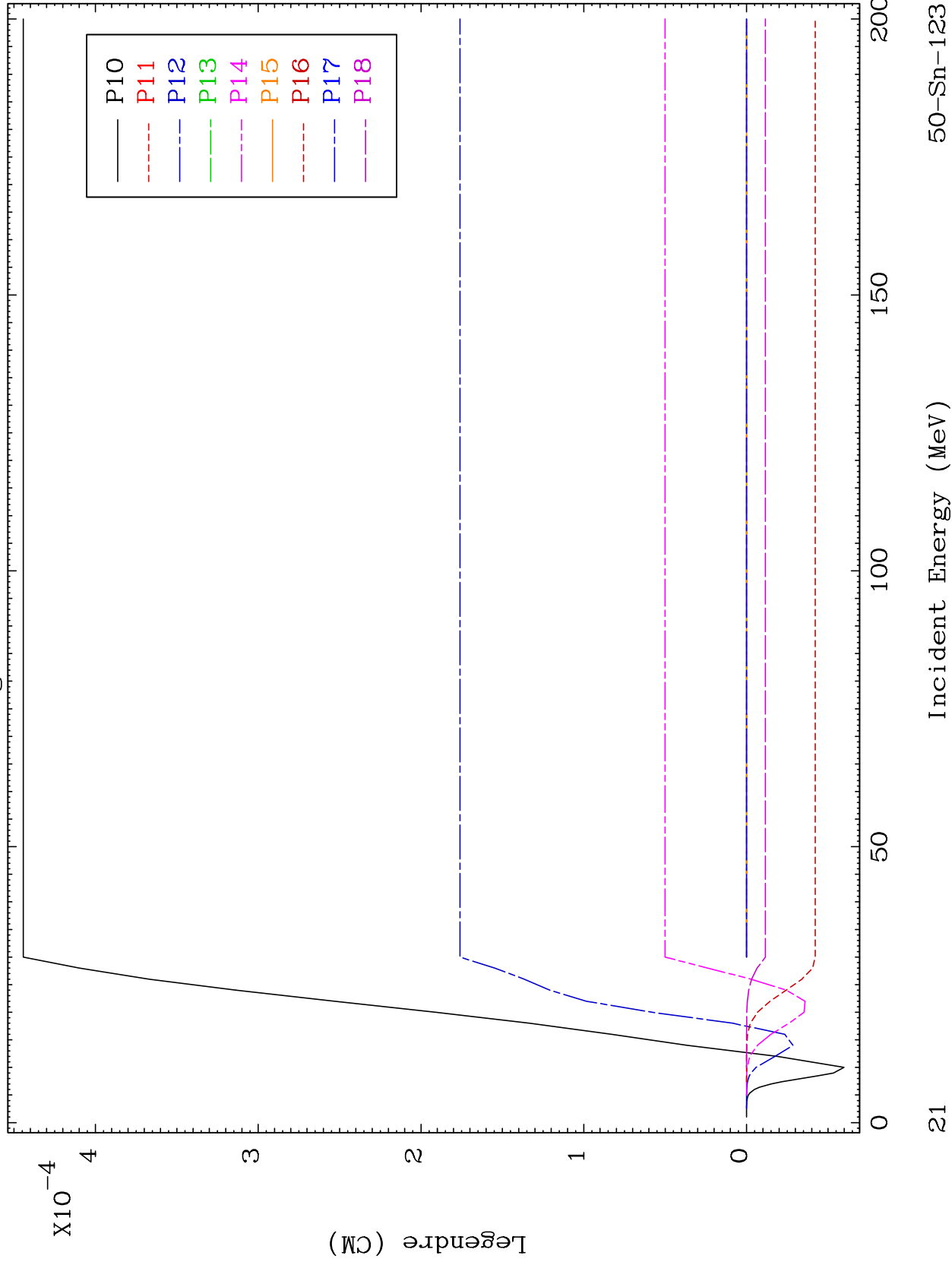
Incident Energy (MeV)

0

MAT 5058

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

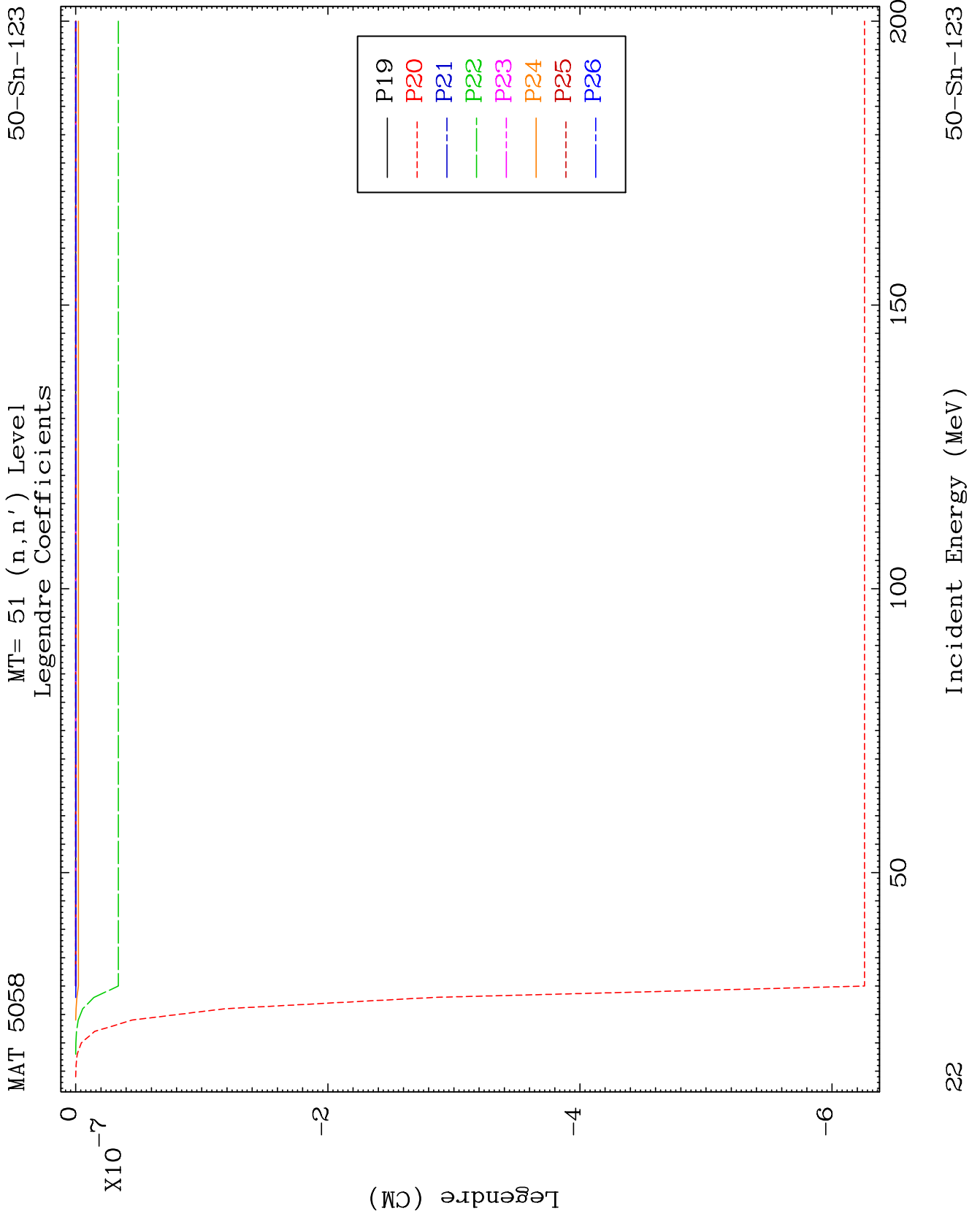
50-Sn-123



21

Incident Energy (MeV)

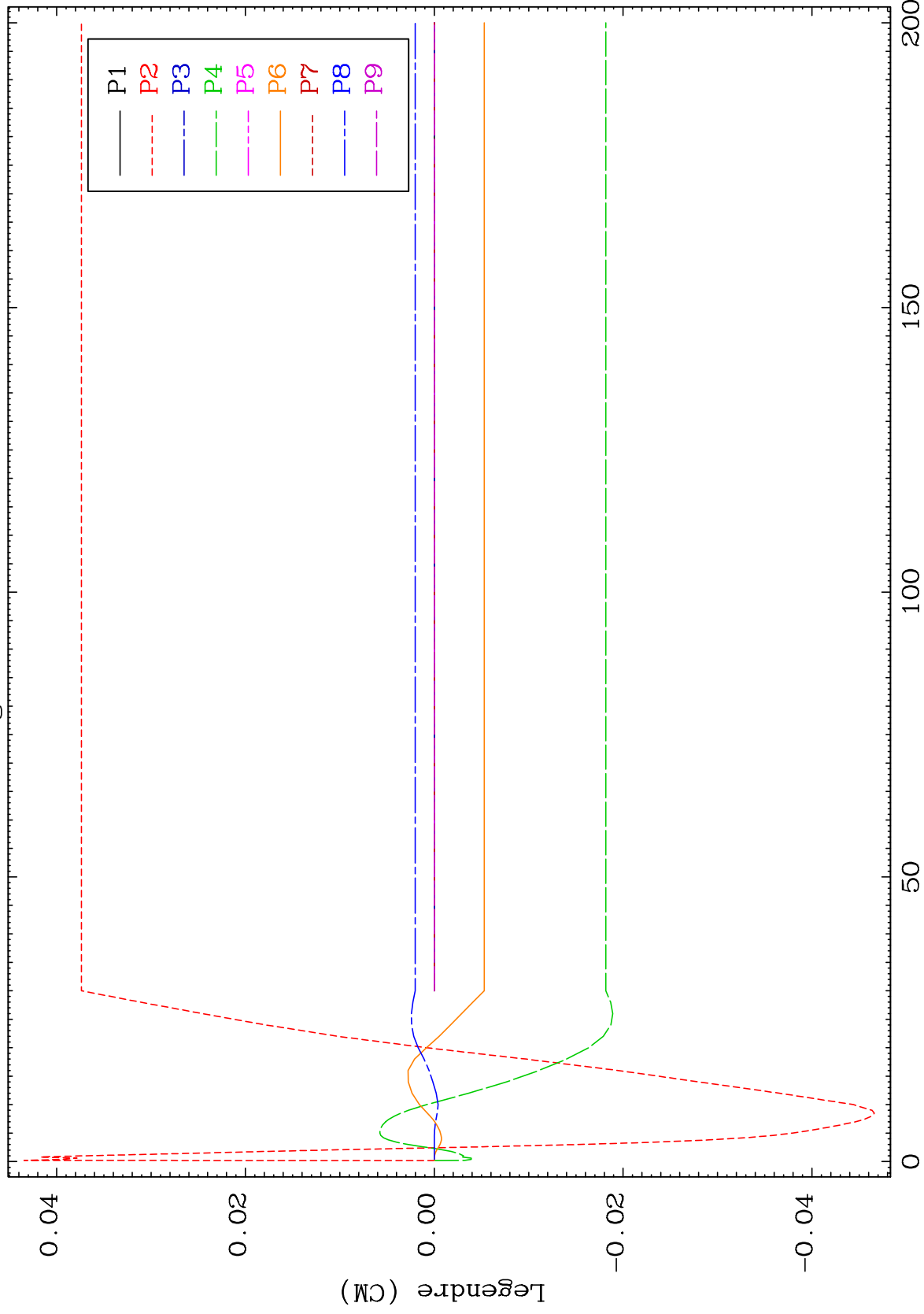
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

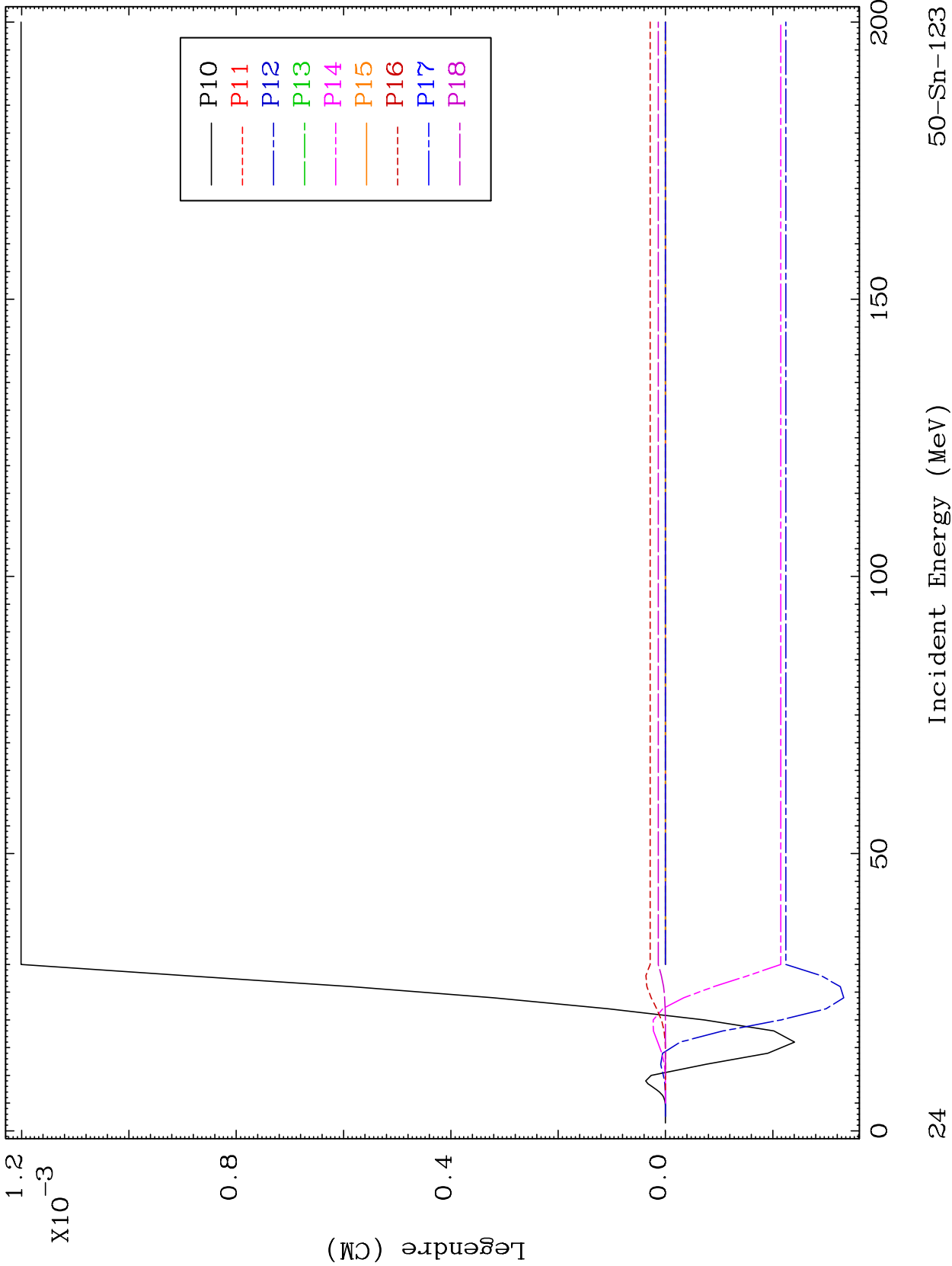
Incident Energy (MeV)

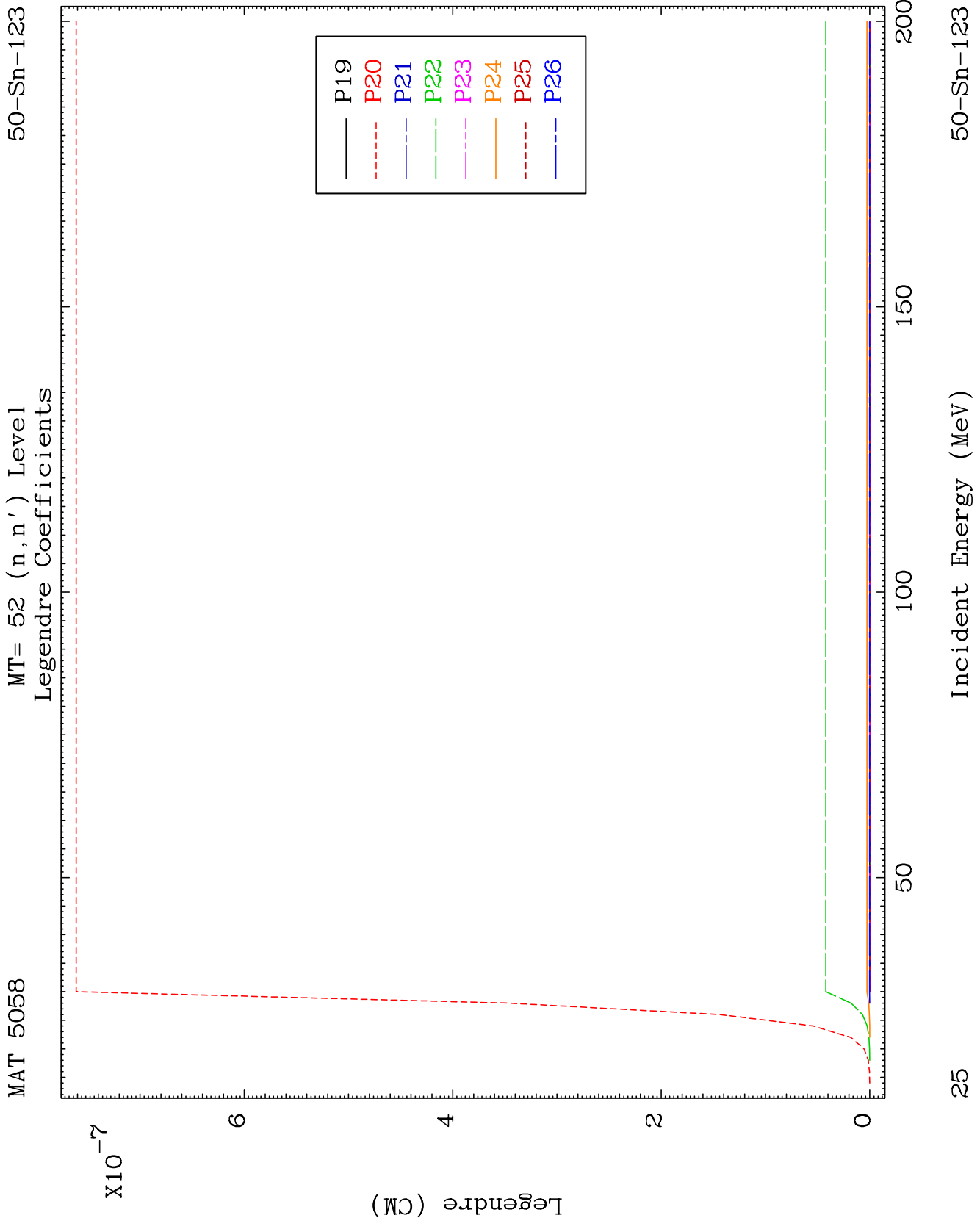
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MAT 5058

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

50-Sn-123

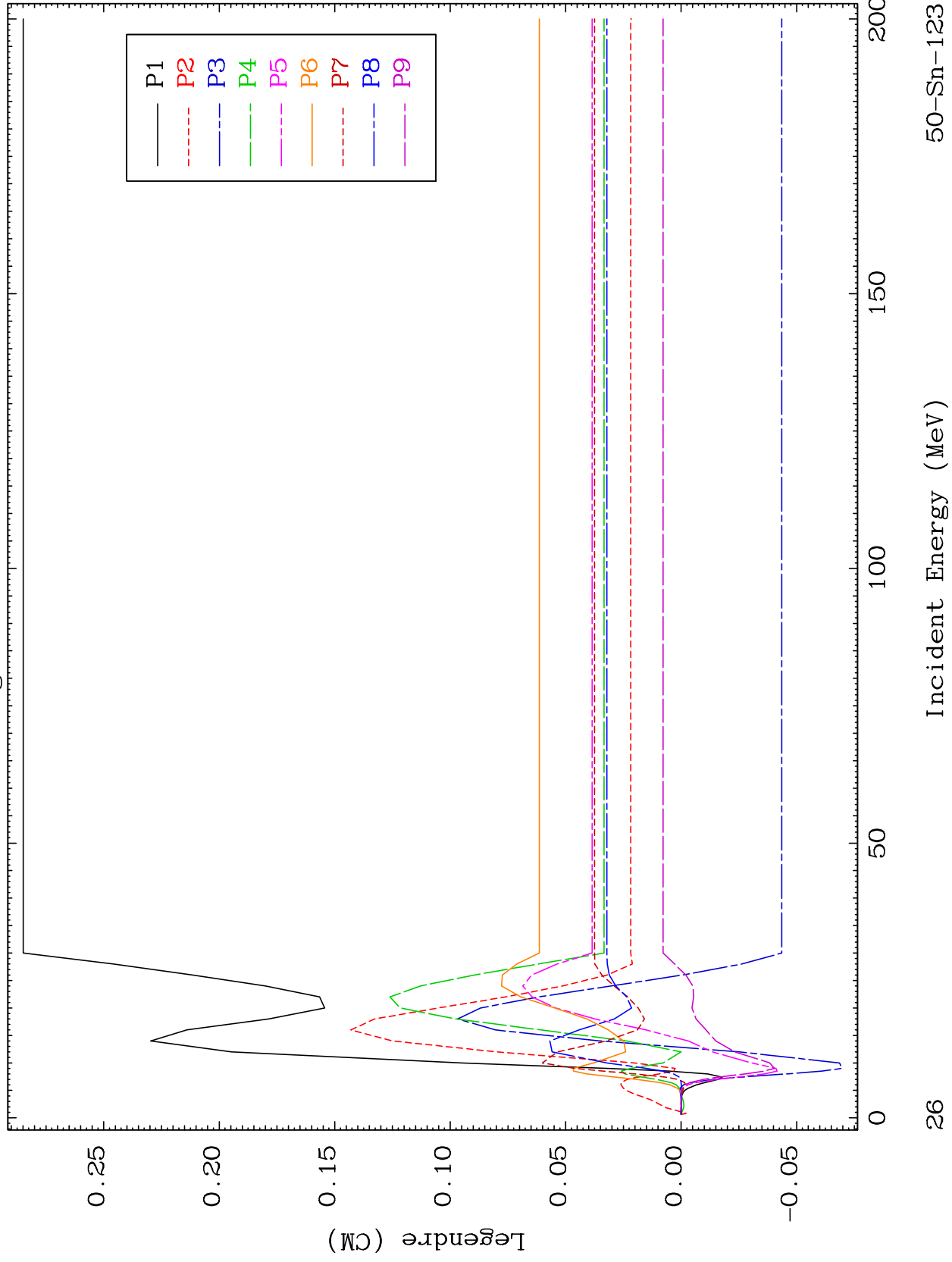




MAT 5058

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

50-Sn-123



50-Sn-123

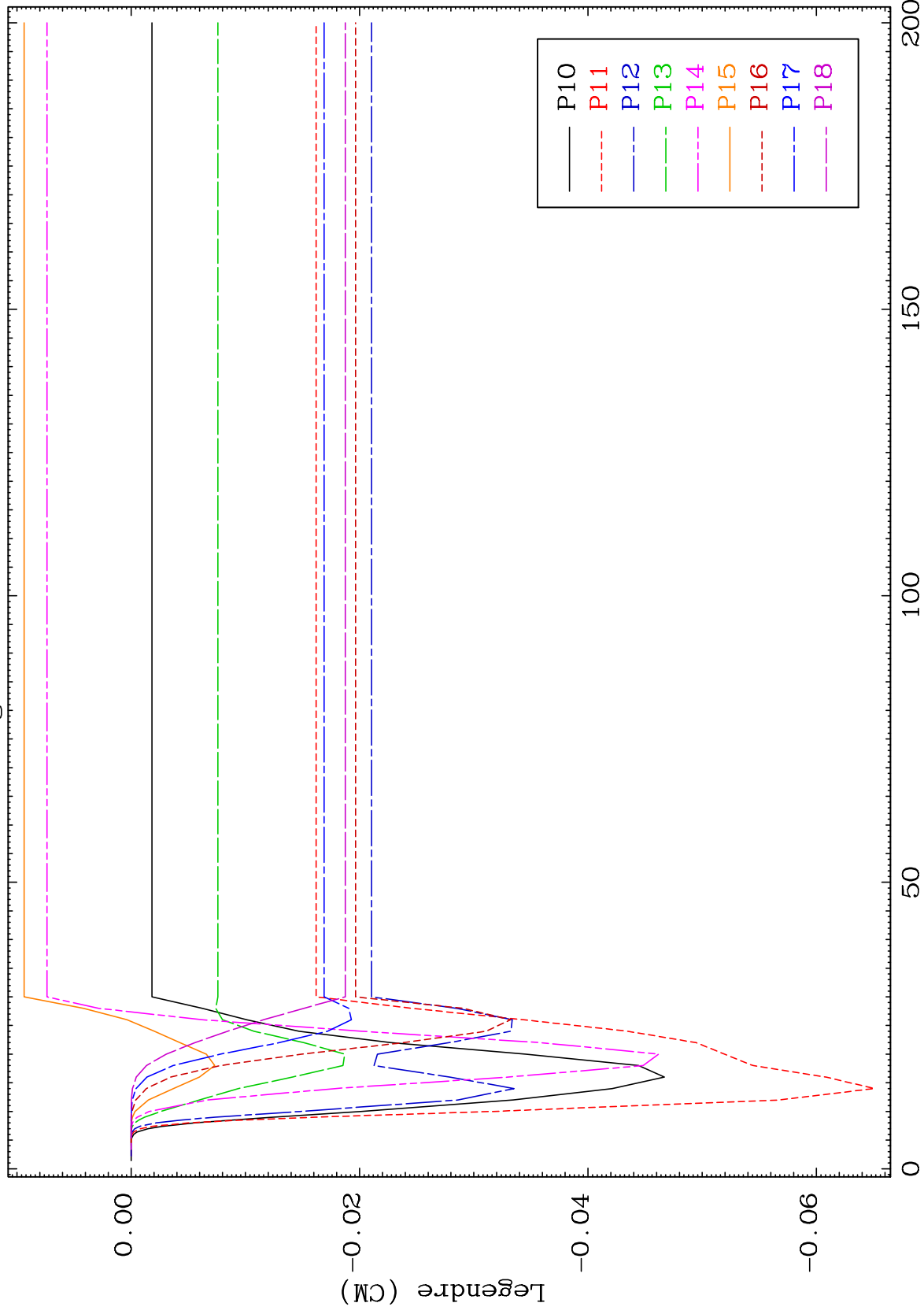
Incident Energy (MeV)

26

MAT 5058

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

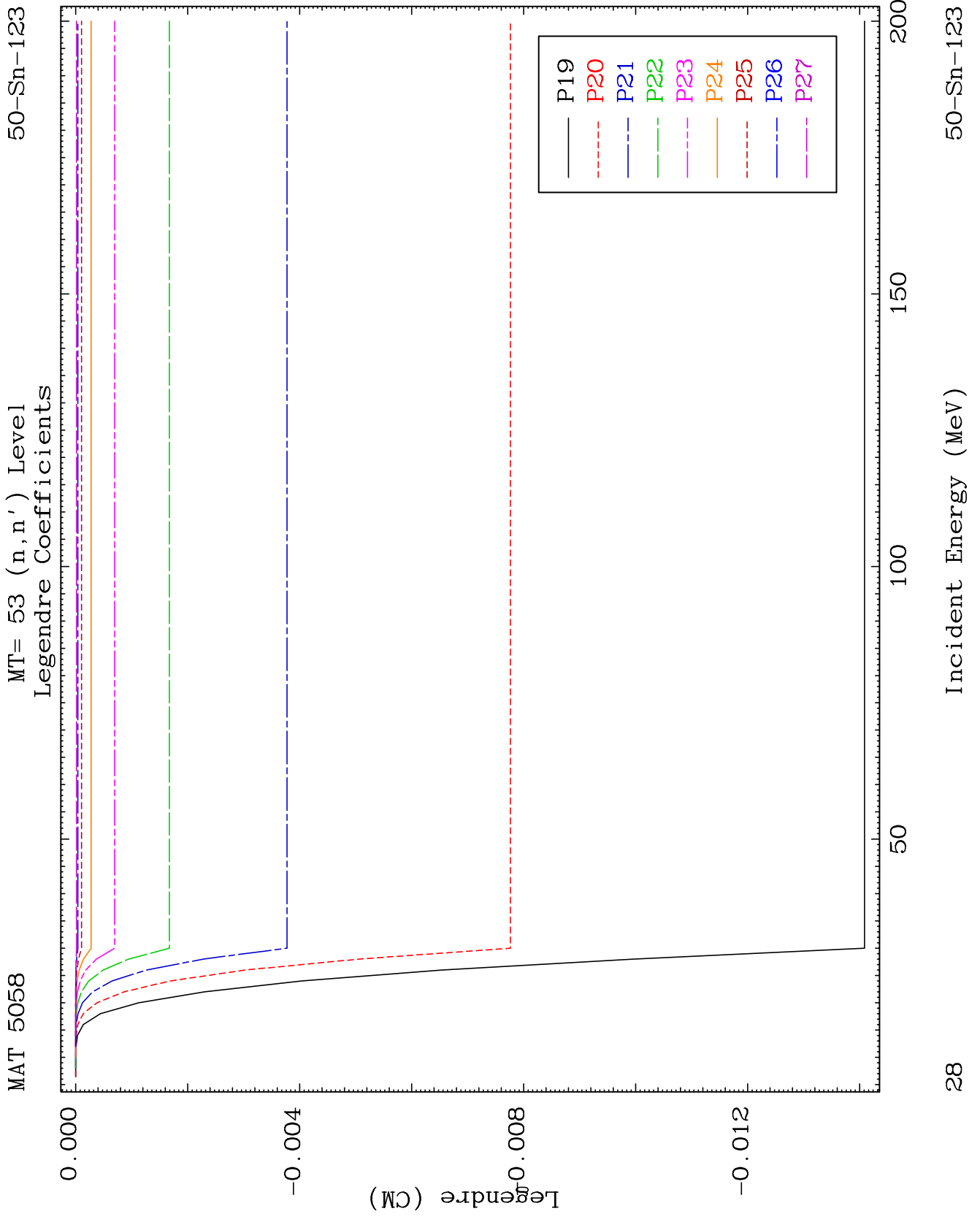
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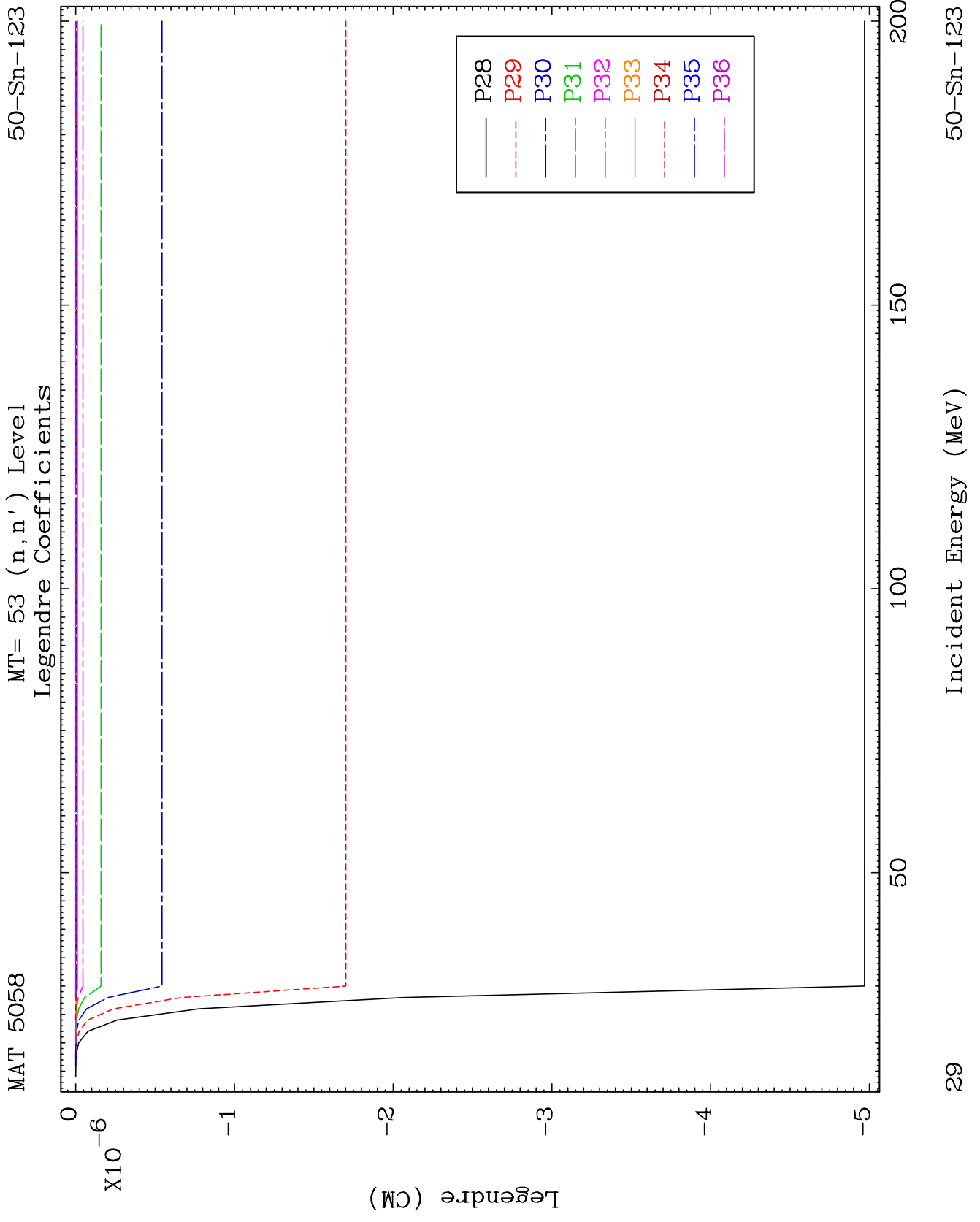


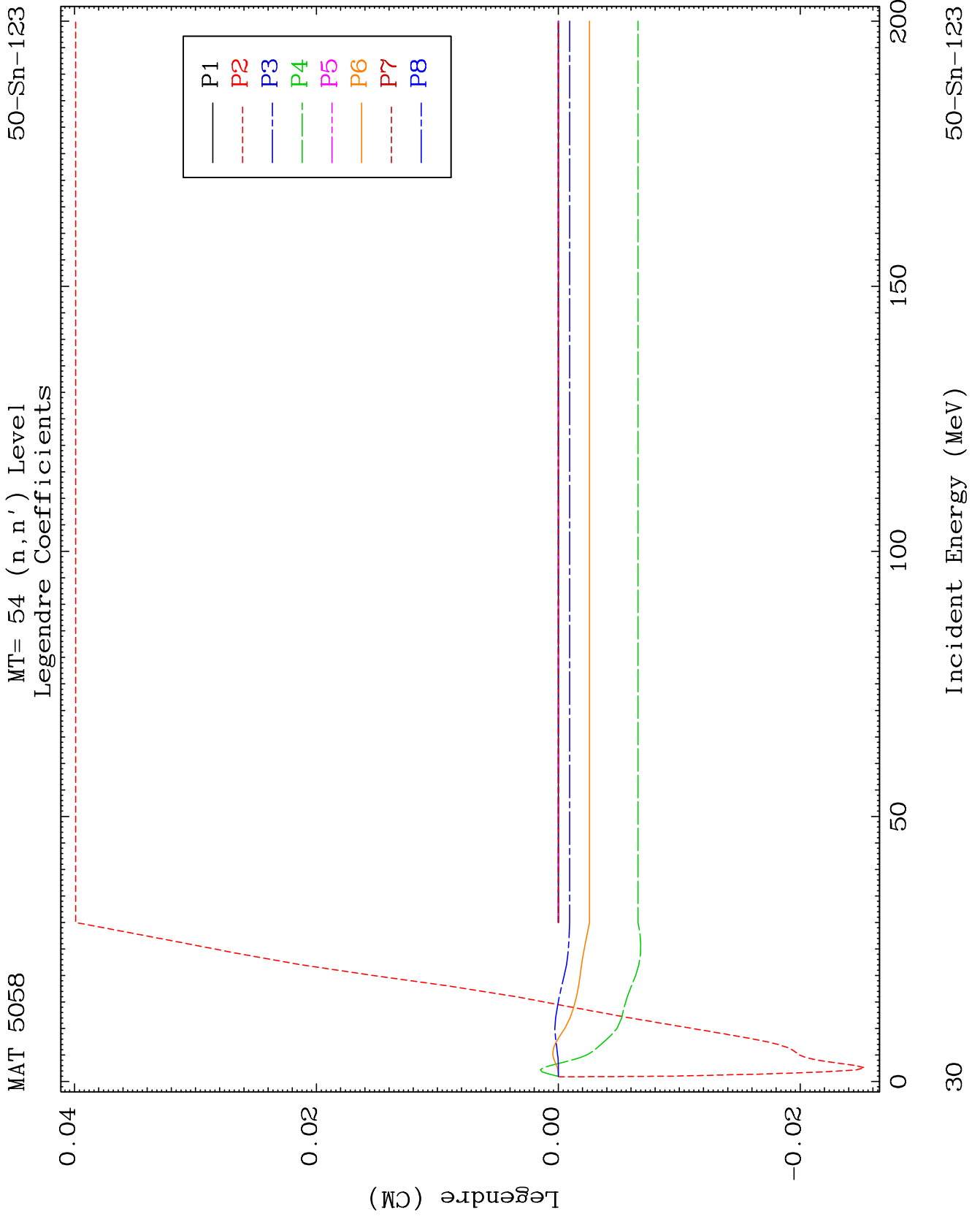
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Incident Energy (MeV)

50-Sn-123



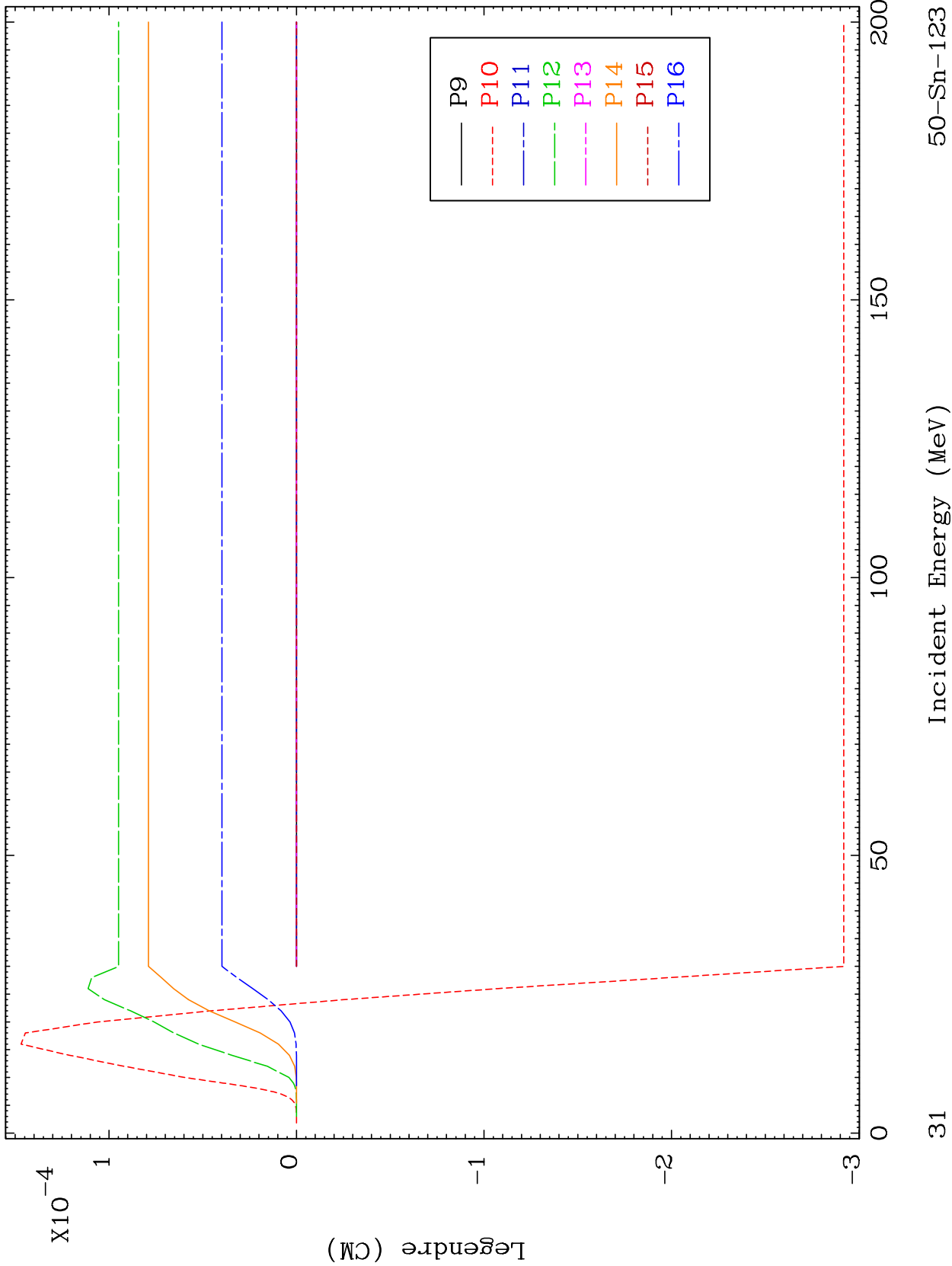




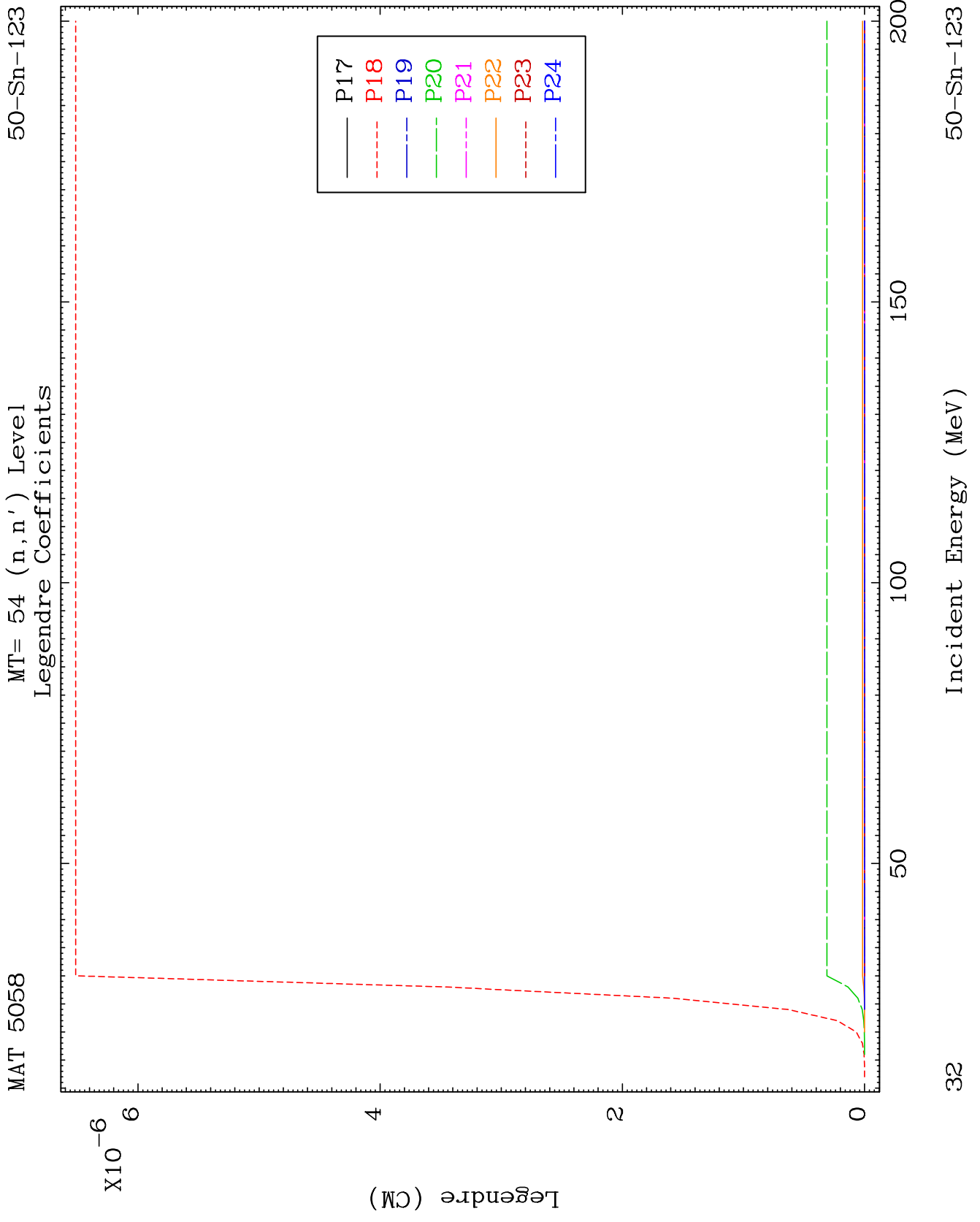
MAT 5058

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

50-Sn-123



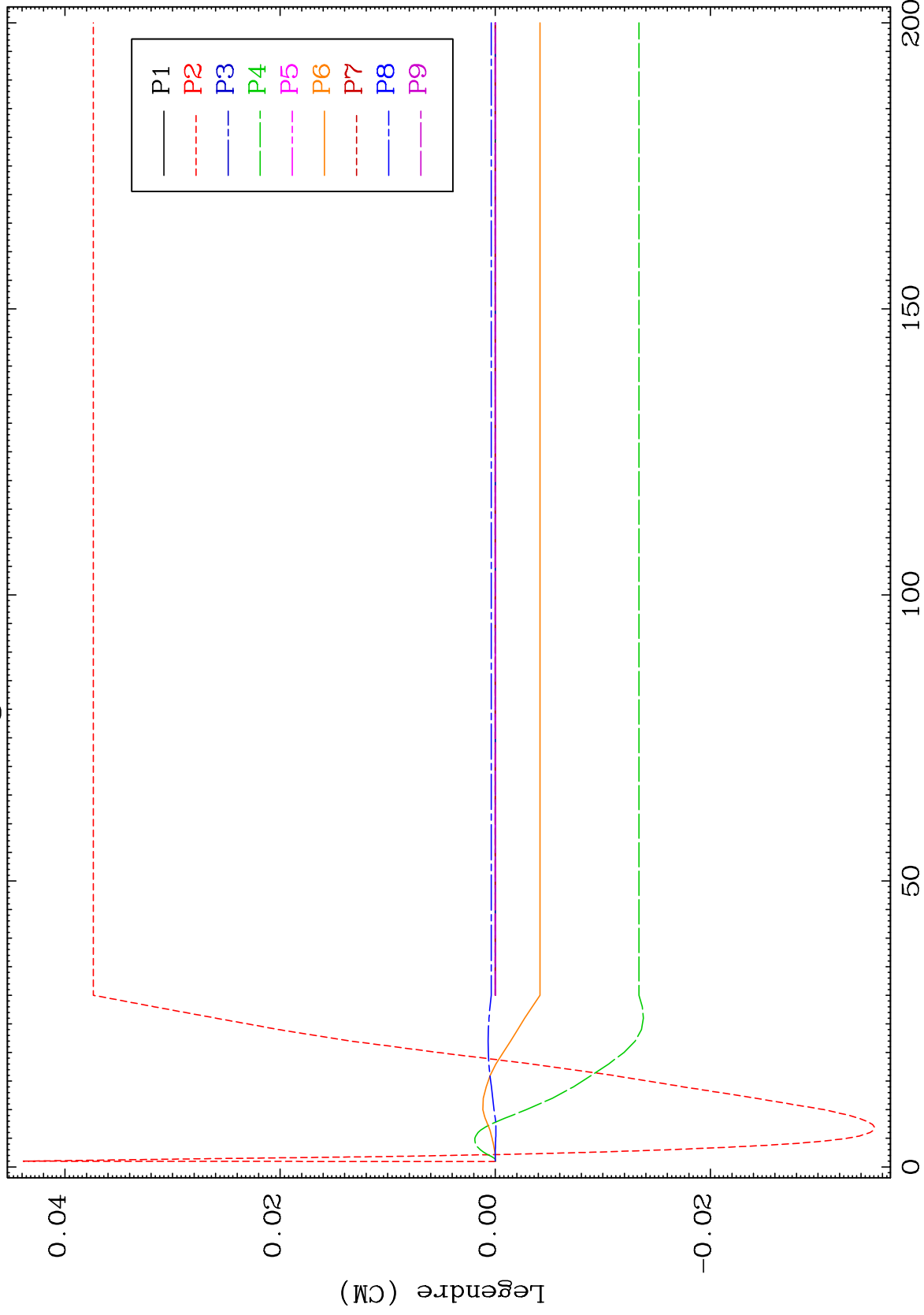
31



MAT 5058

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

50-Sn-123



50-Sn-123

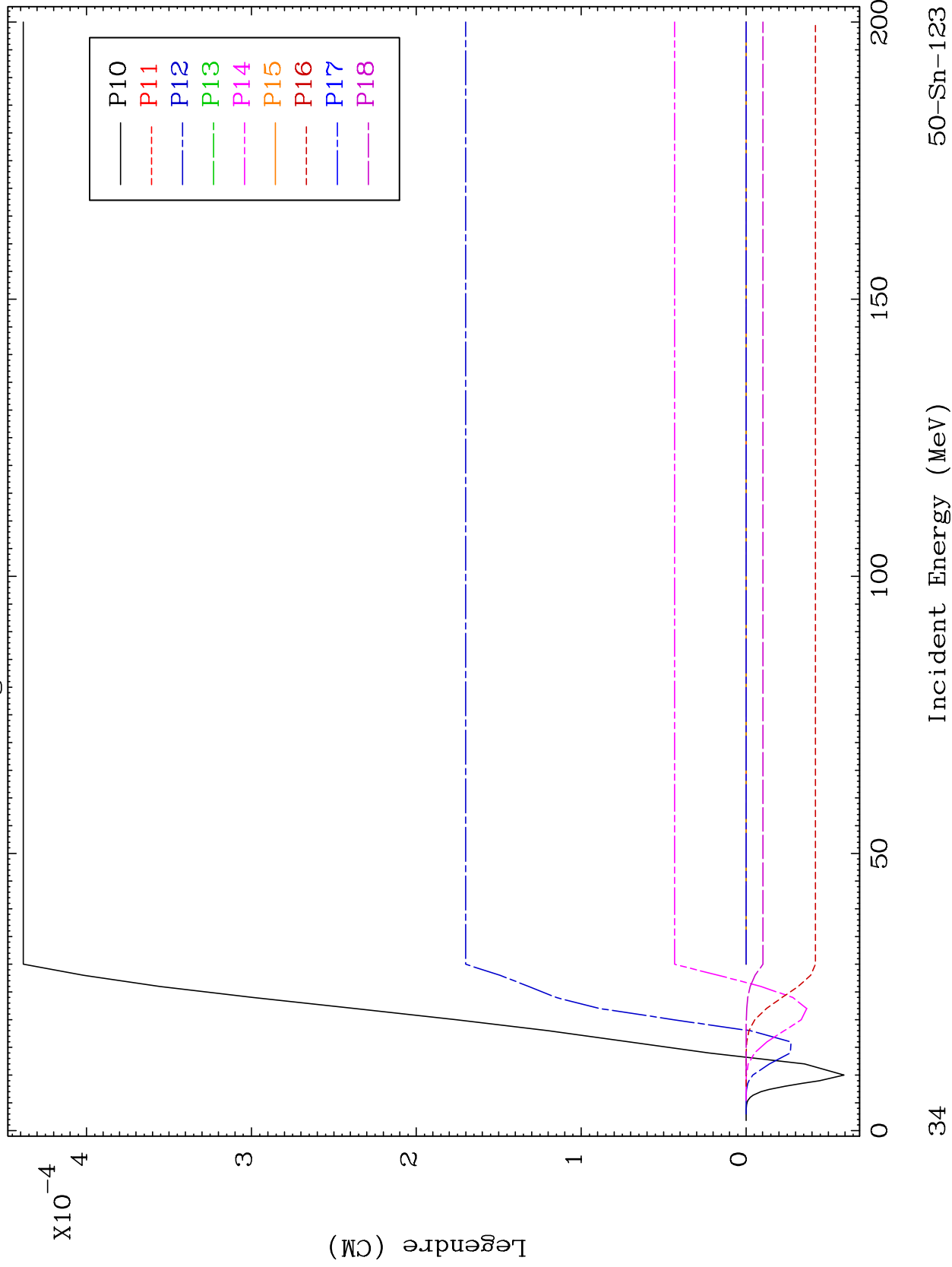
Incident Energy (MeV)

33

MAT 5058

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

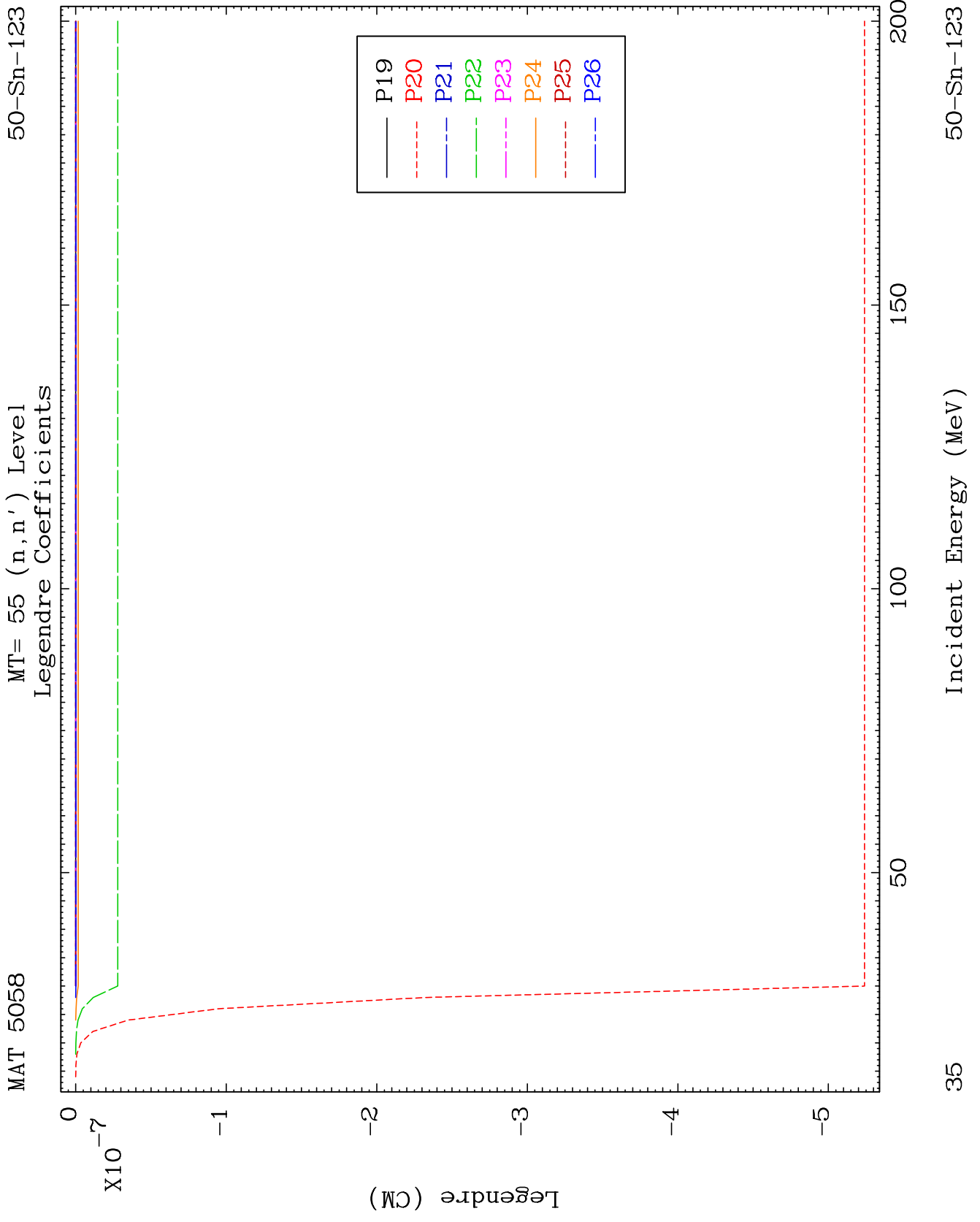
50-Sn-123



34

Incident Energy (MeV)

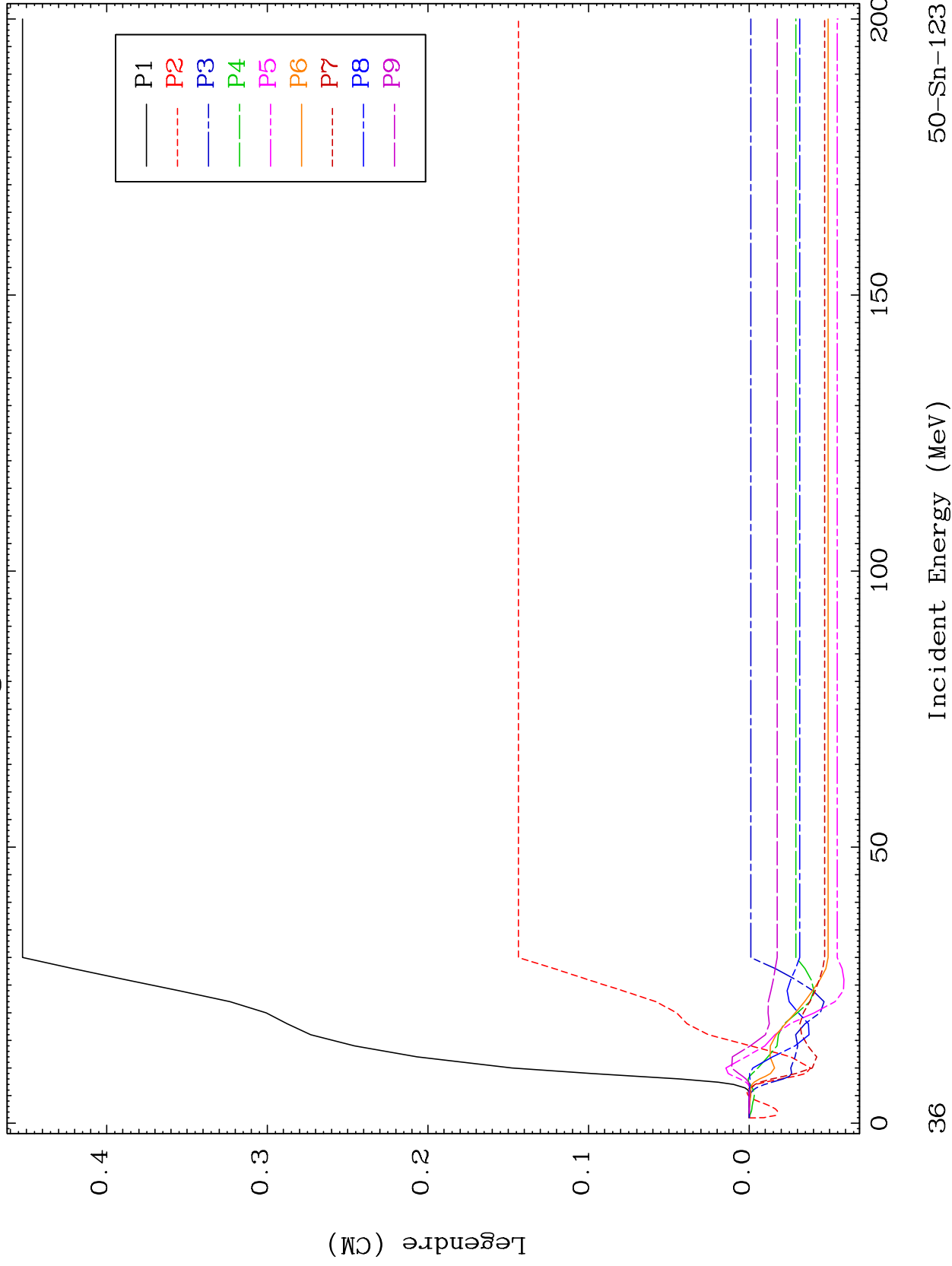
50-Sn-123



MAT 5058

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

50-Sn-123



36

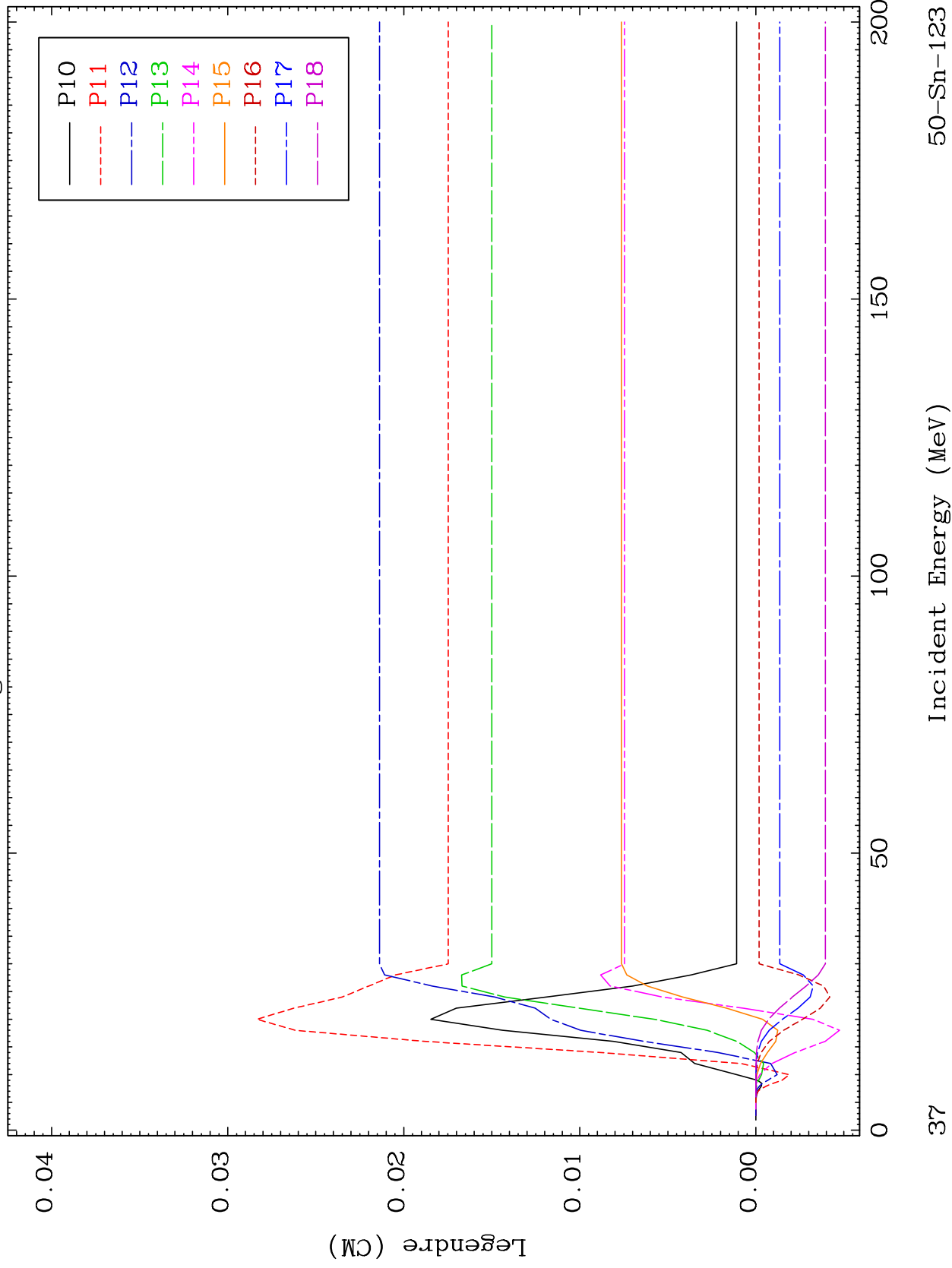
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



37

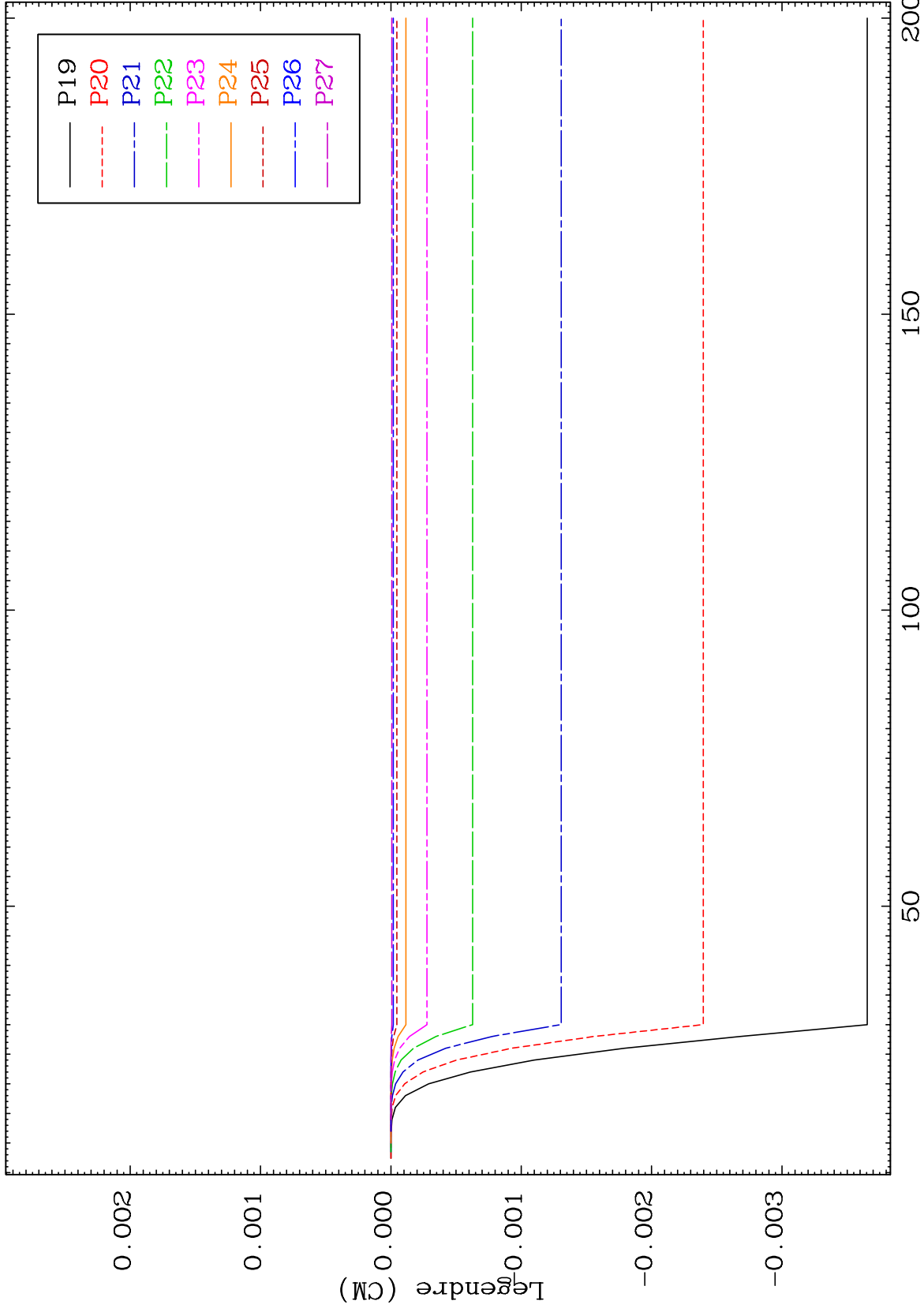
Incident Energy (MeV)

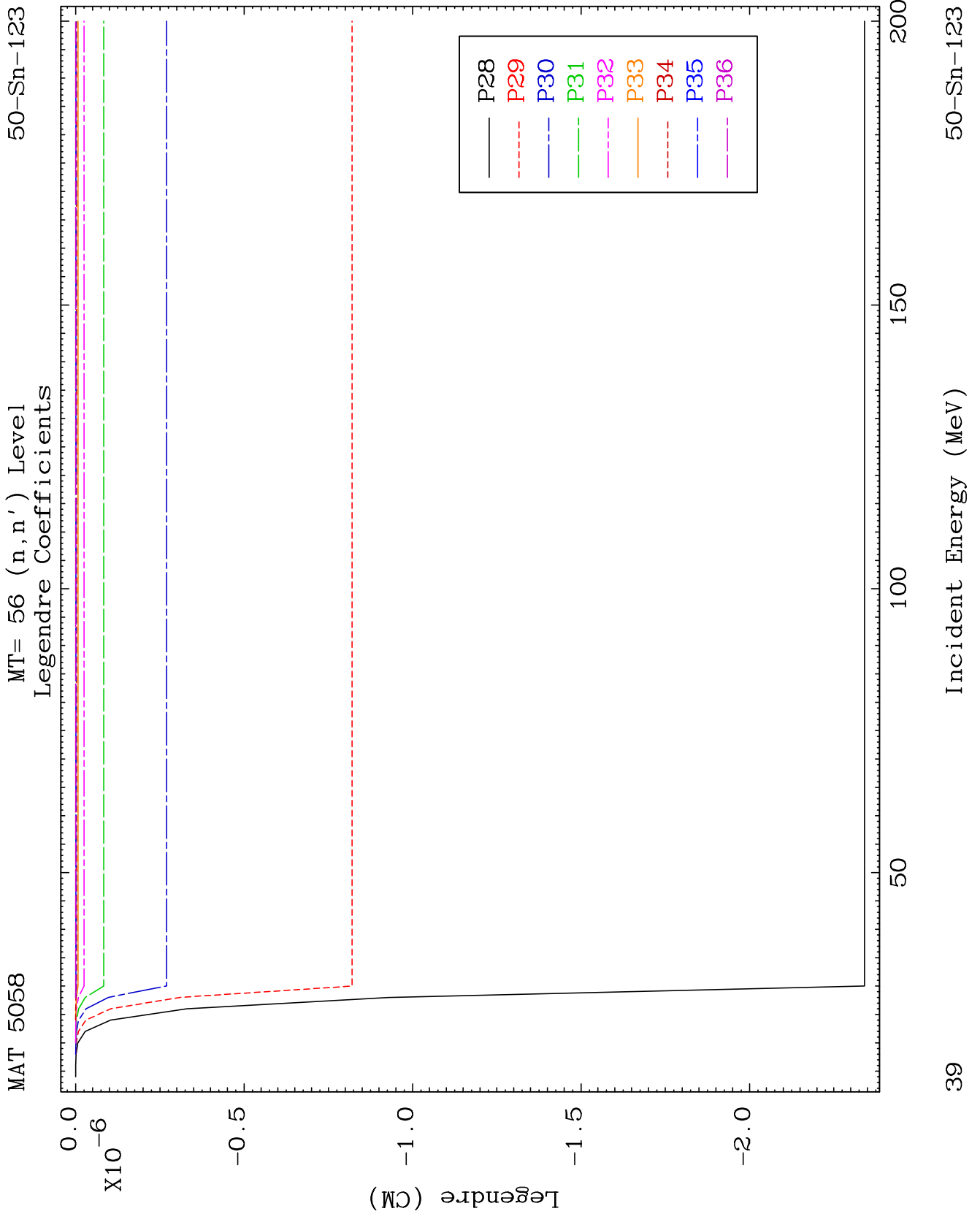
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MAT 5058

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

50-Sn-123

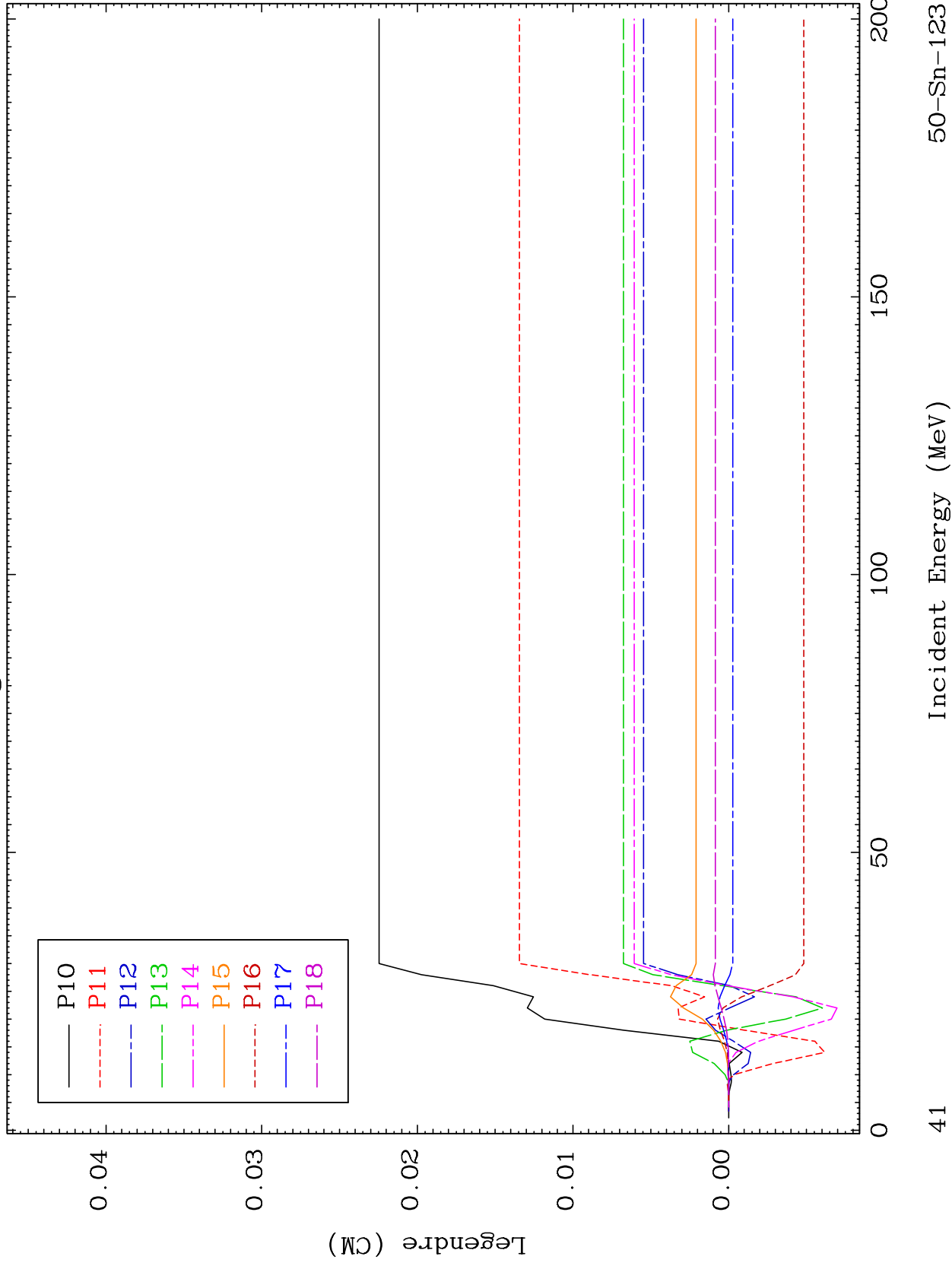




MAT 5058

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

50-Sn-123



41

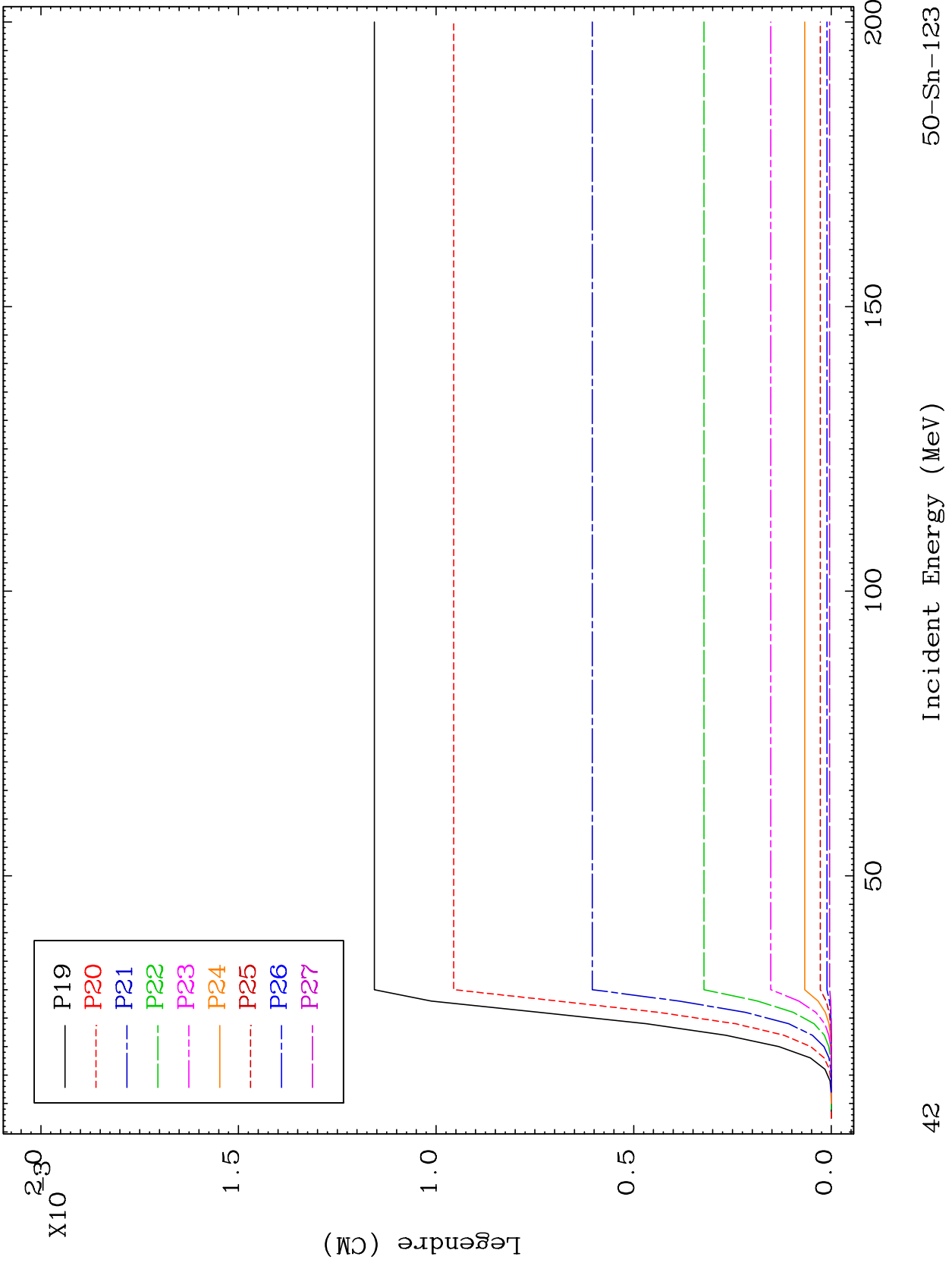
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



42

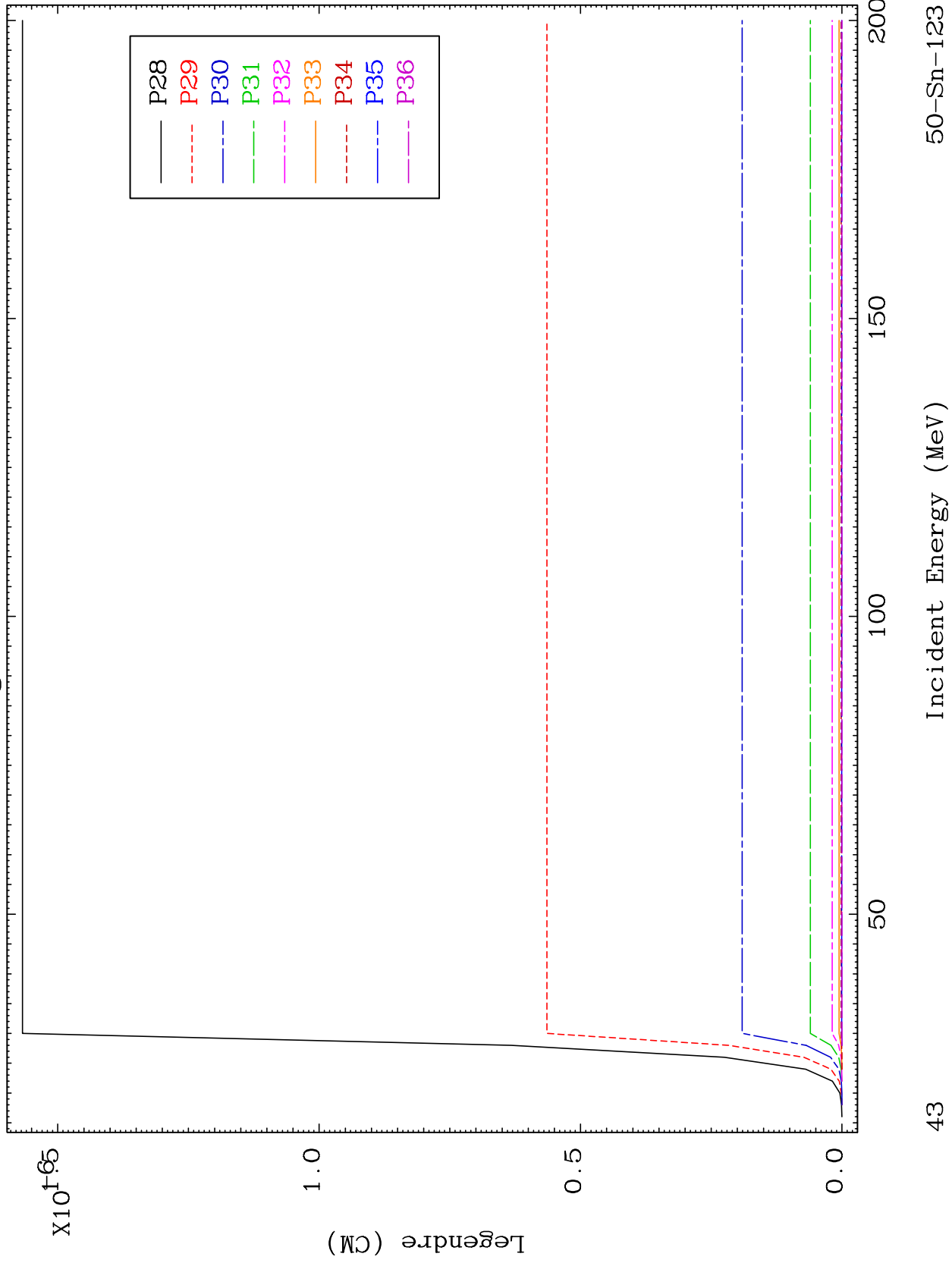
Incident Energy (MeV)

50-Sn-123

MAT 5058

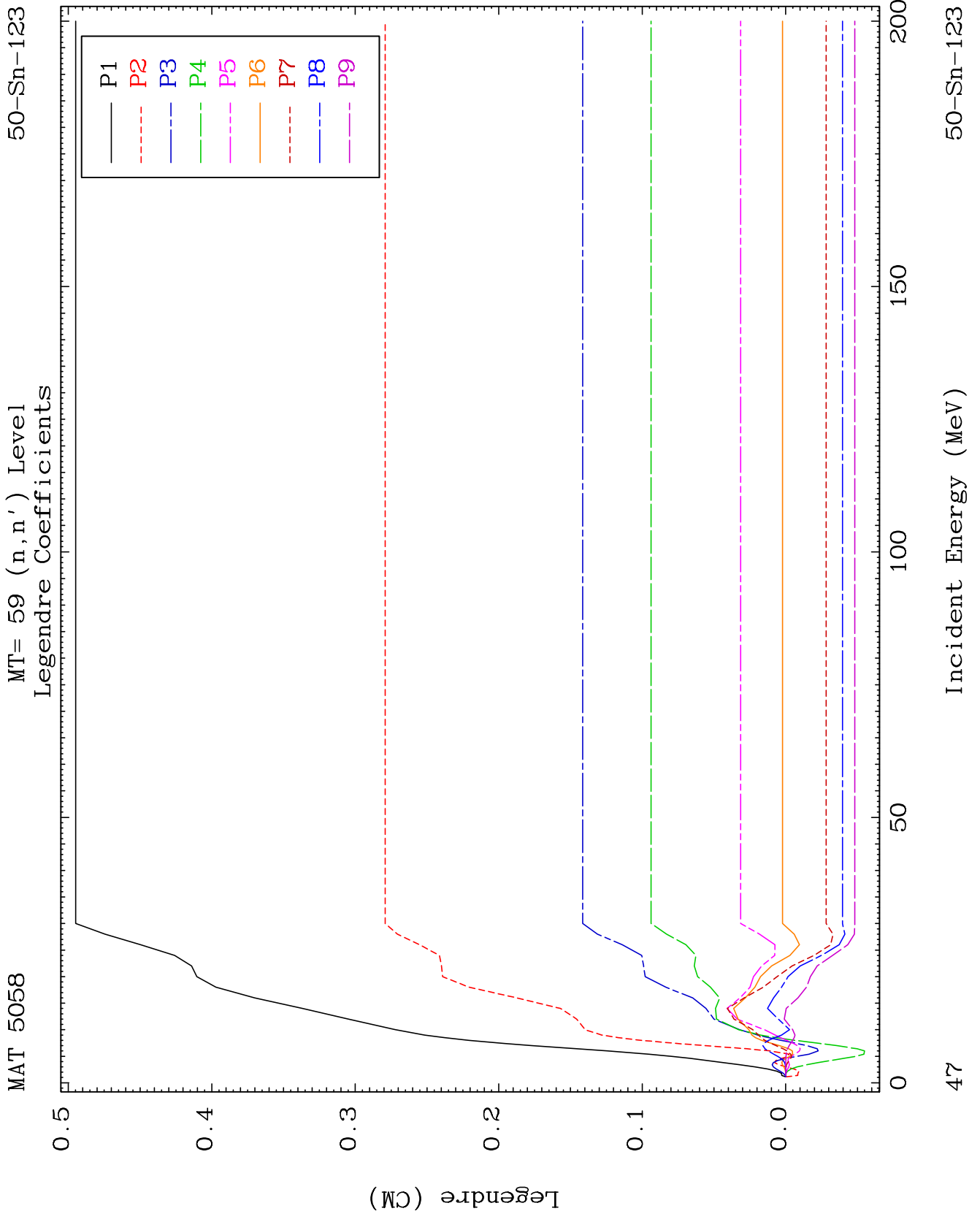
MT= 57 (n,n') Level
Legendre Coefficients

50-Sn-123



43

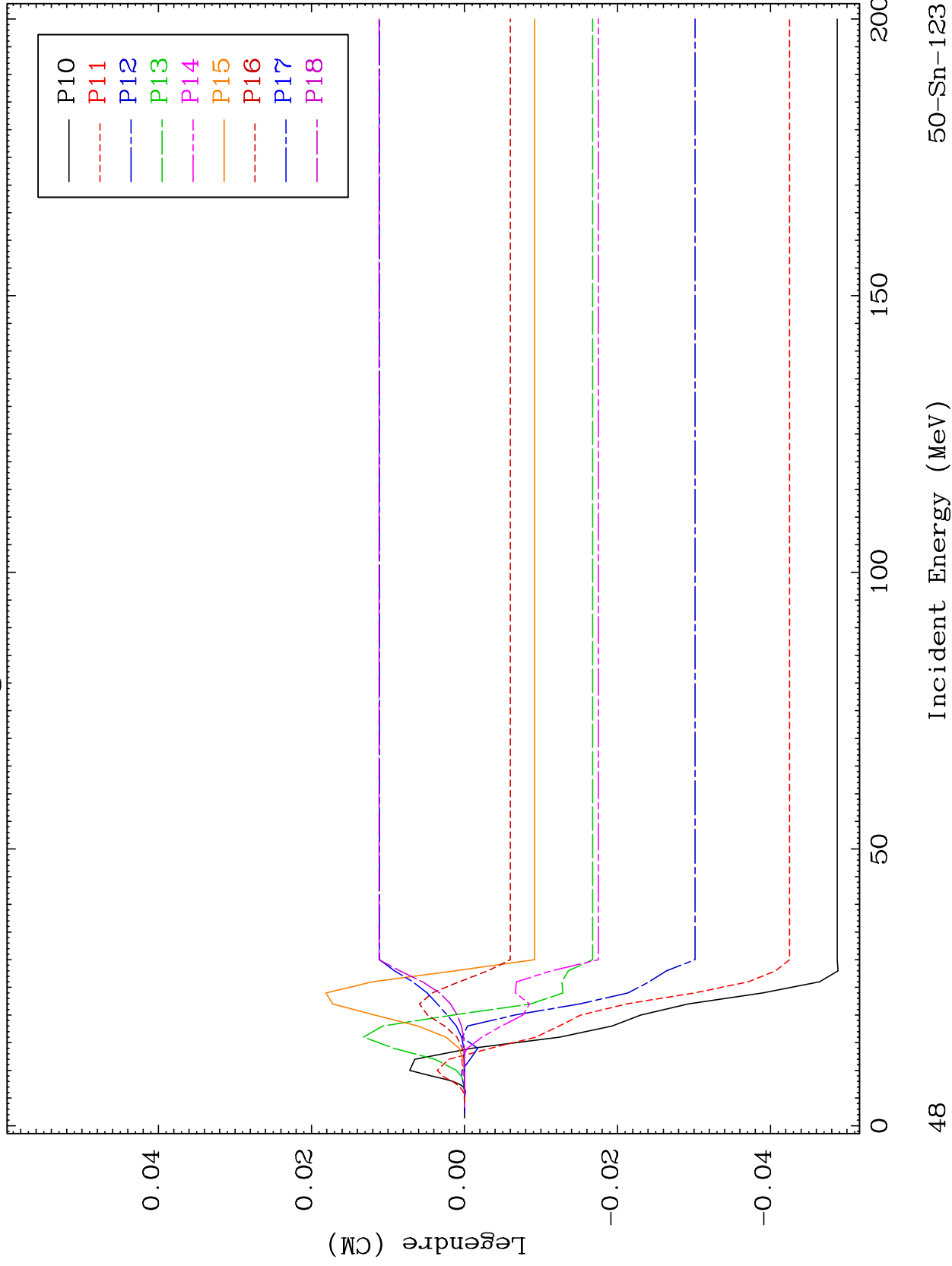
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

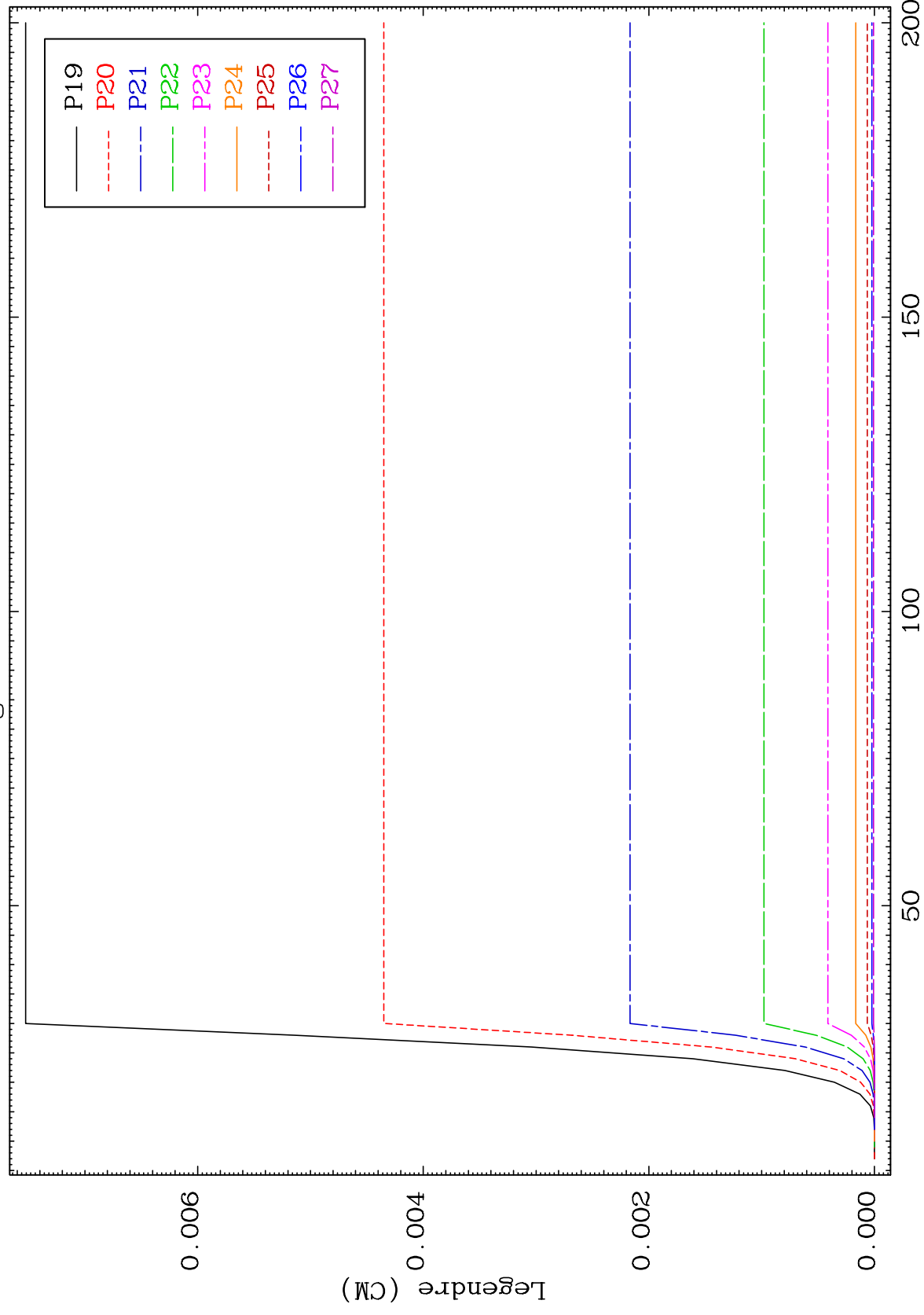
Incident Energy (MeV)

48

MAT 5058

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

50-Sn-123



49

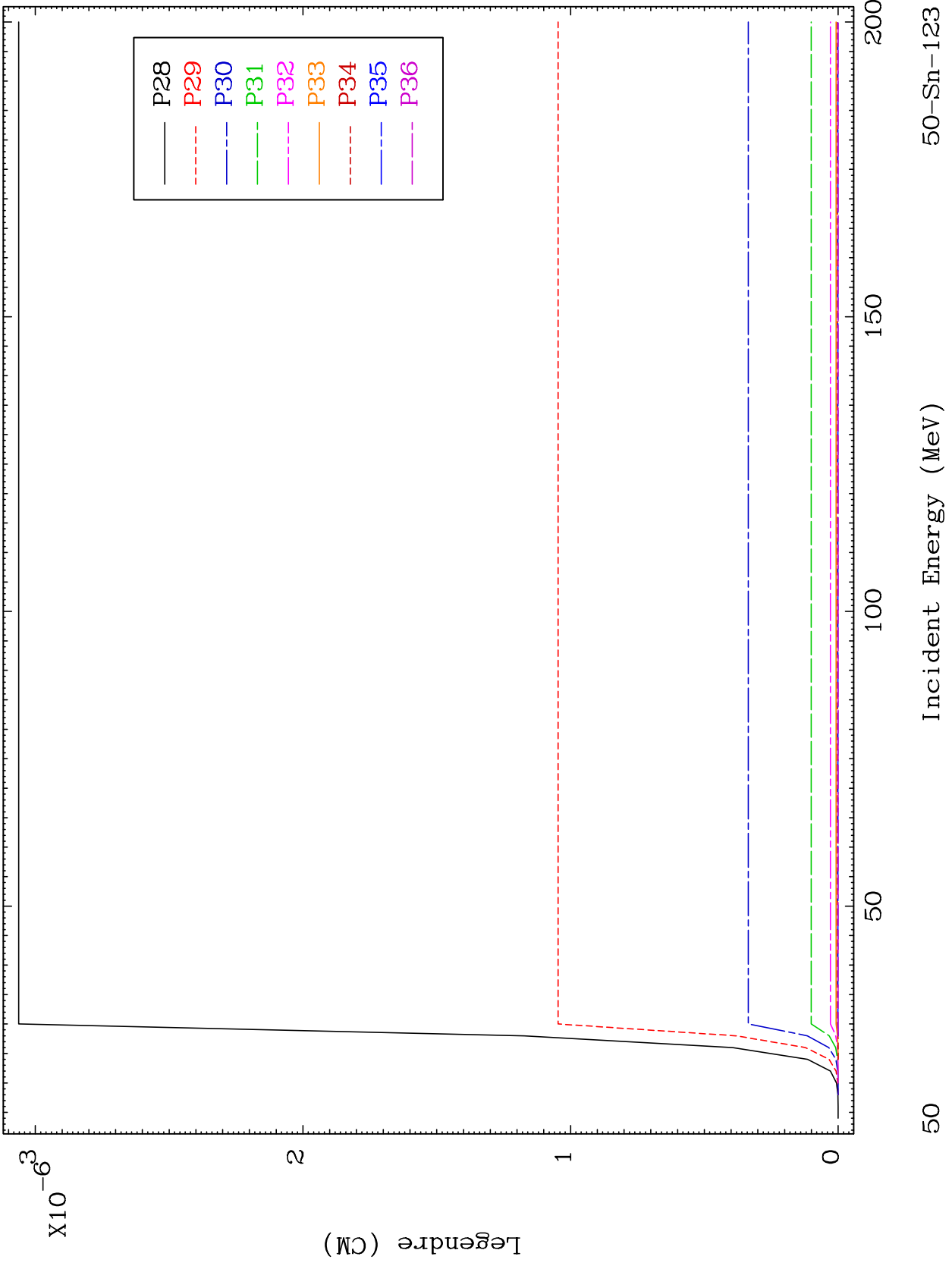
Incident Energy (MeV)

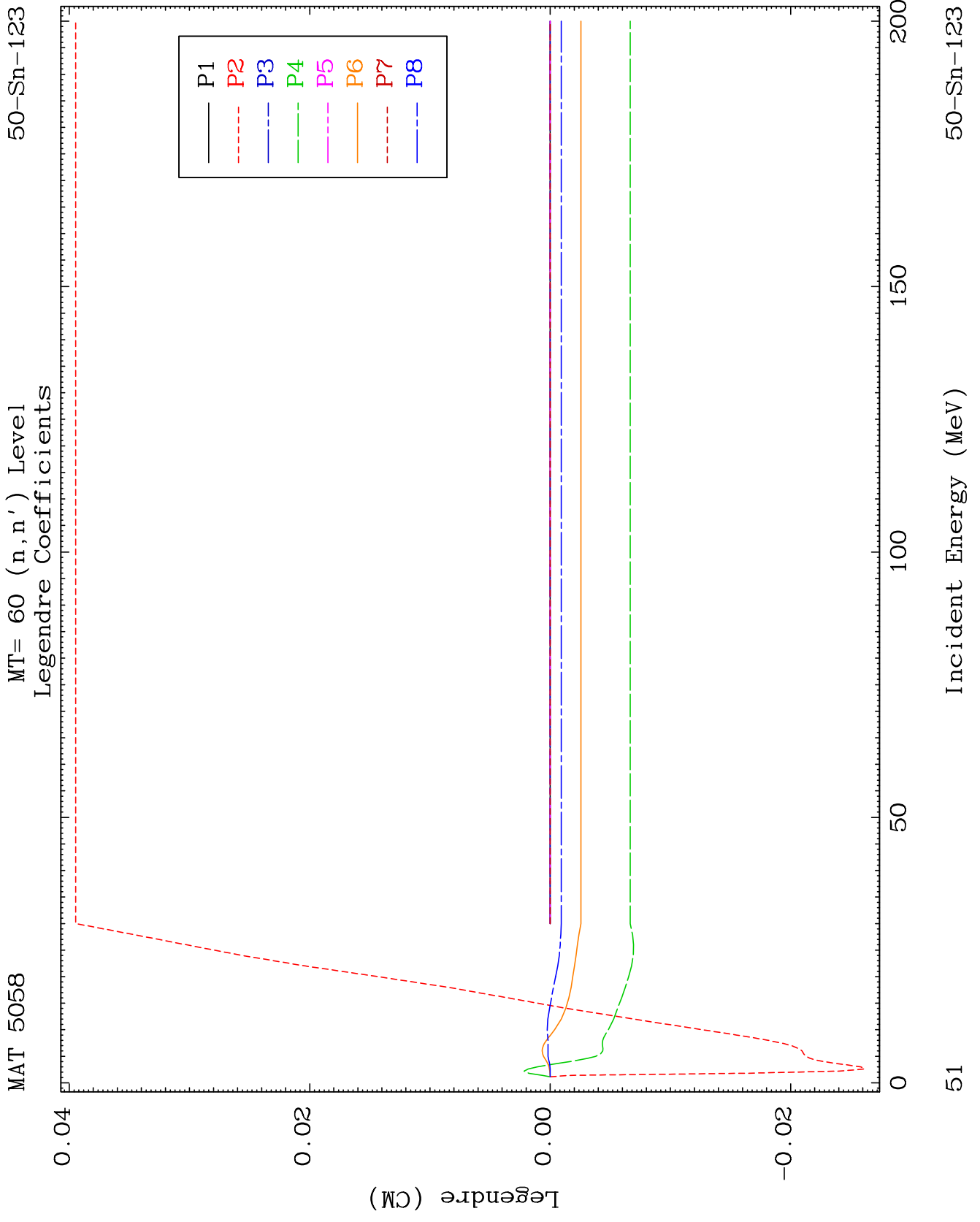
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MAT 5058

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

50-Sn-123

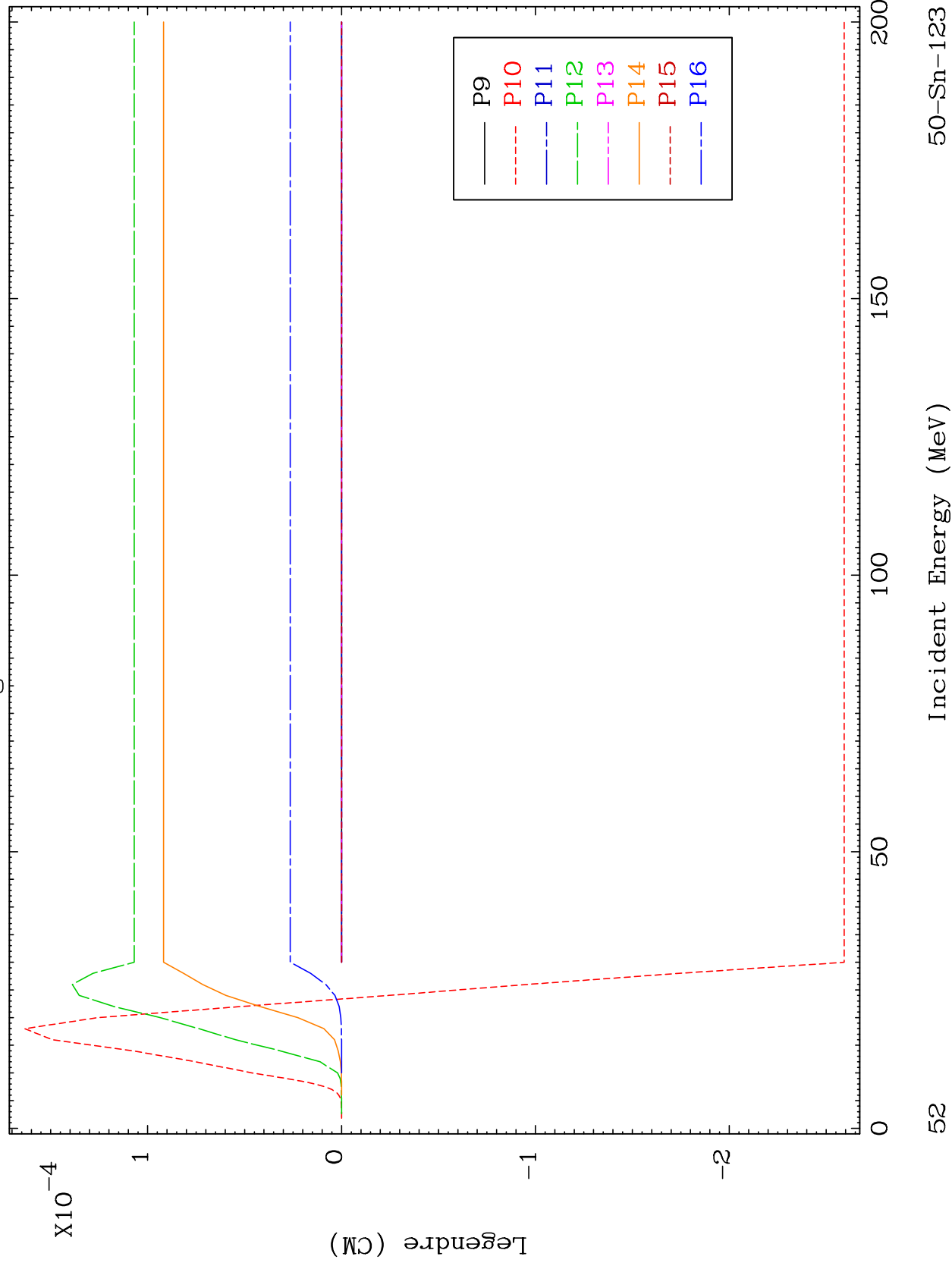




MAT 5058

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

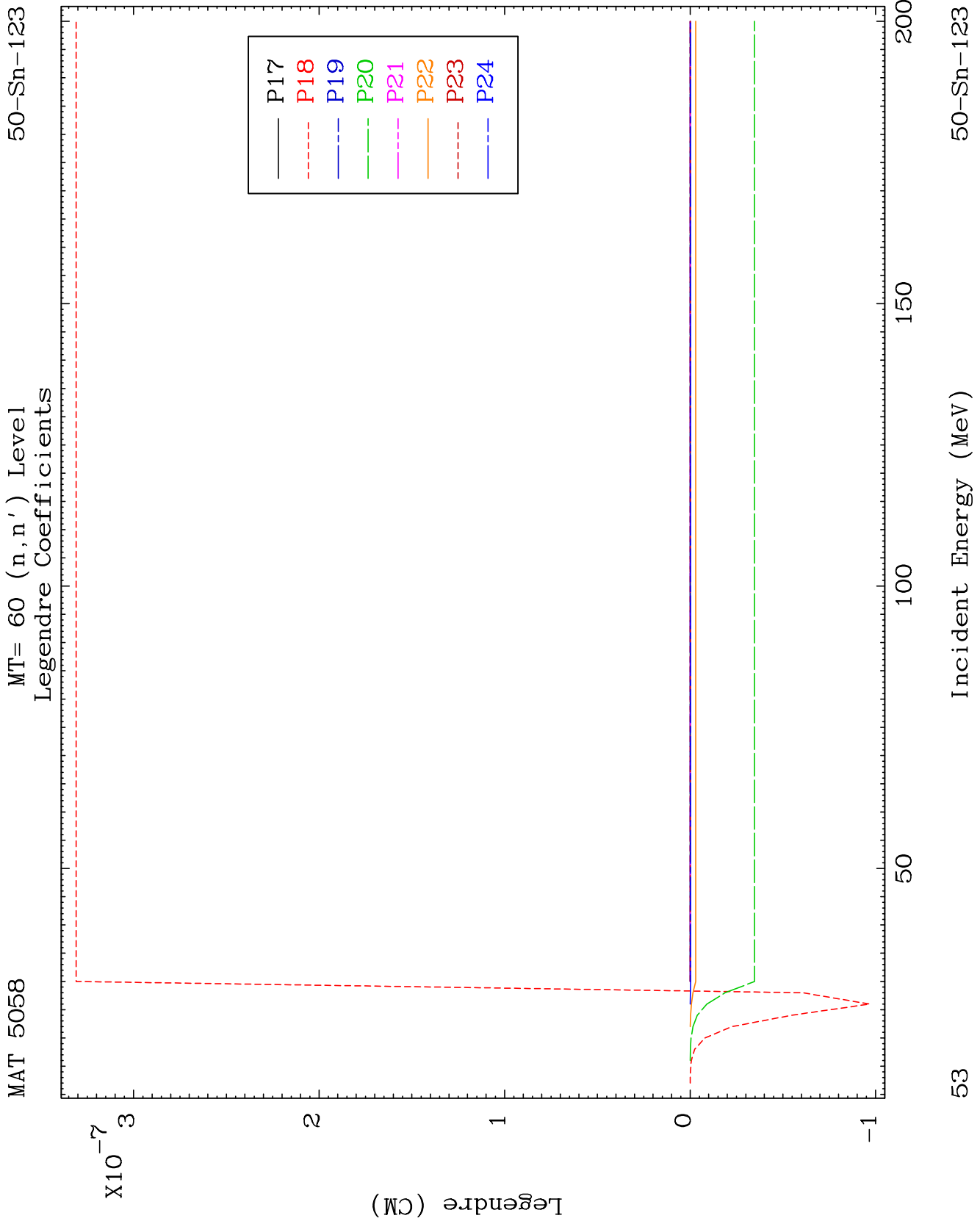
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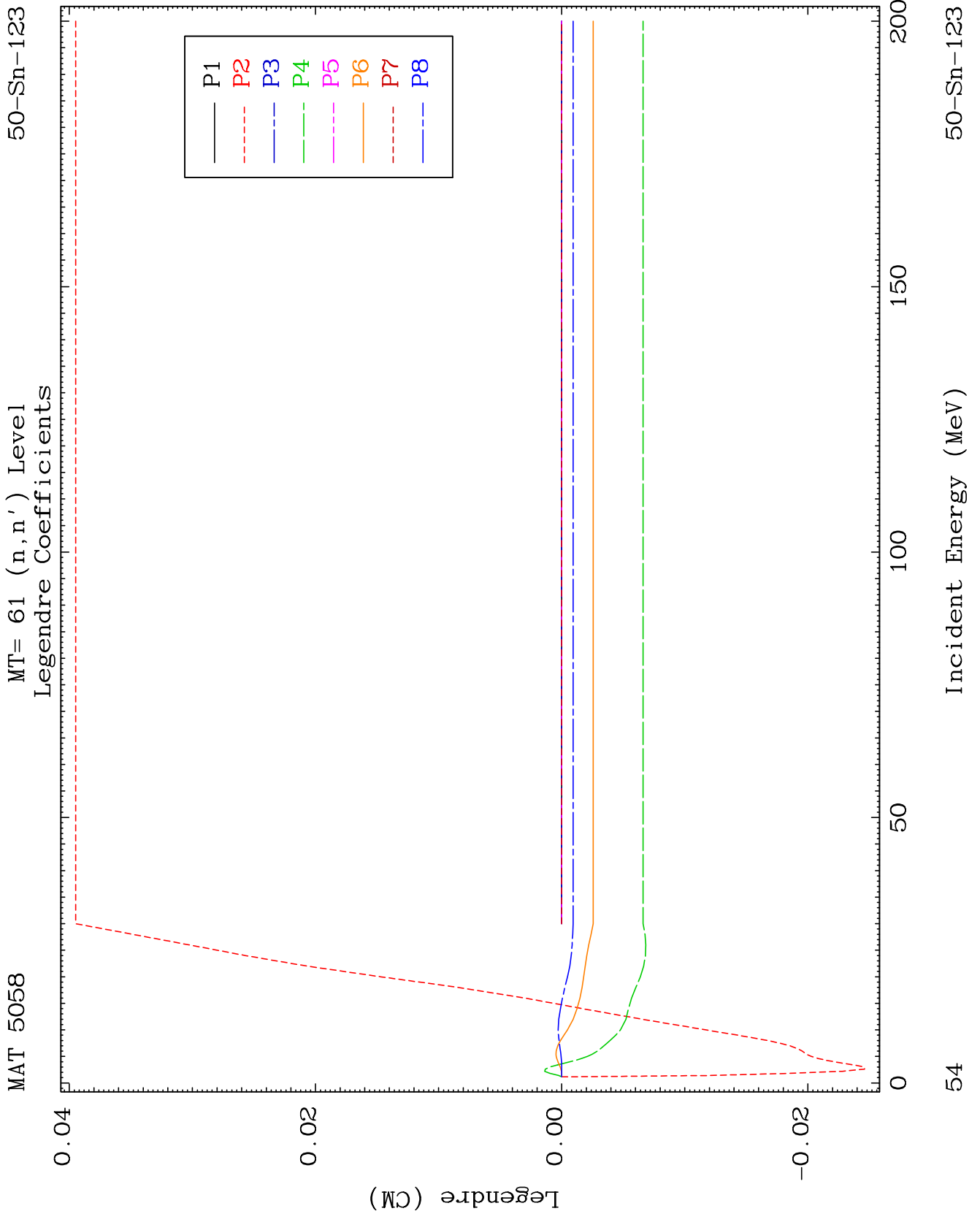


52

Incident Energy (MeV)

50-Sn-123

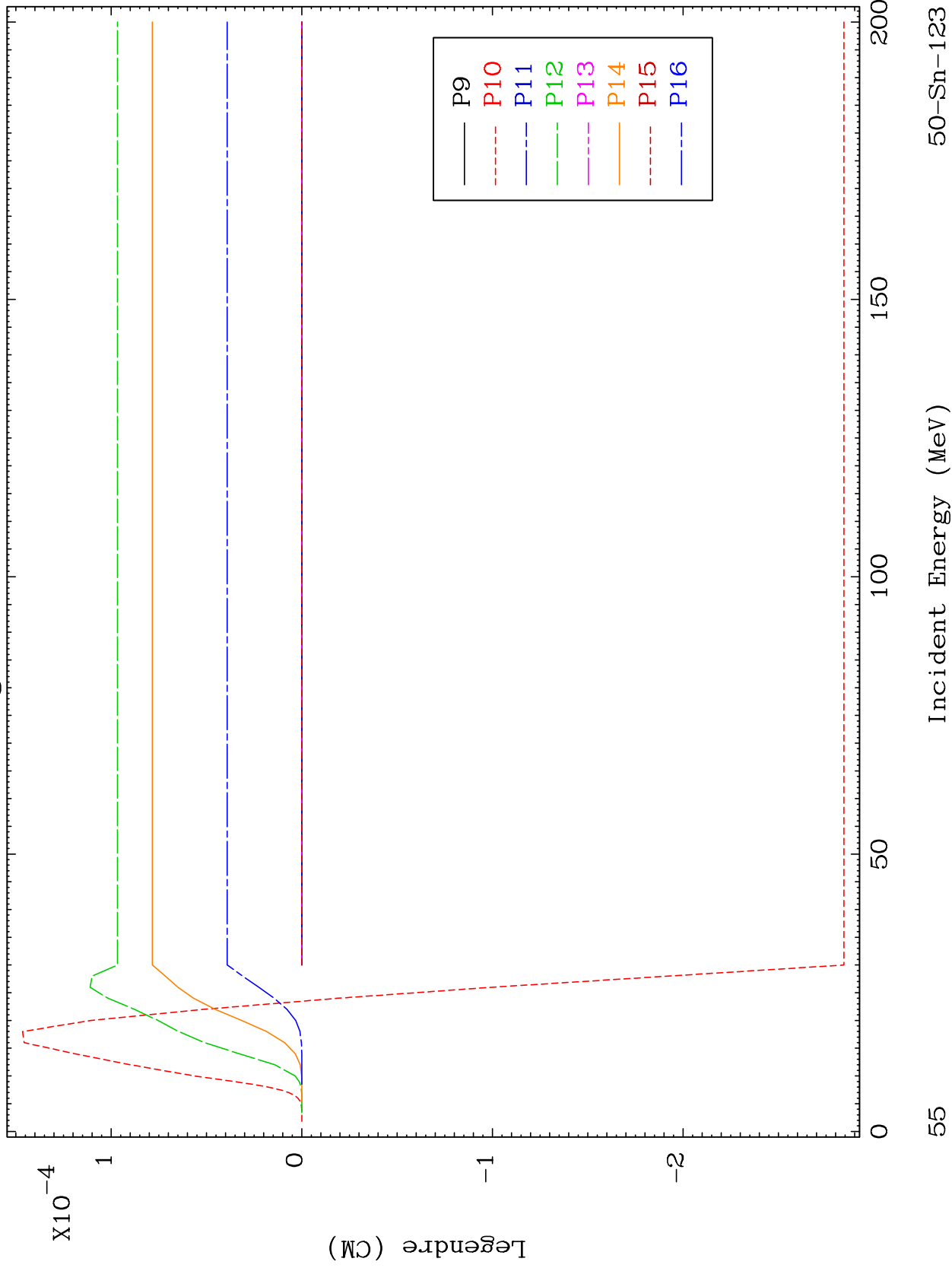




MAT 5058

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

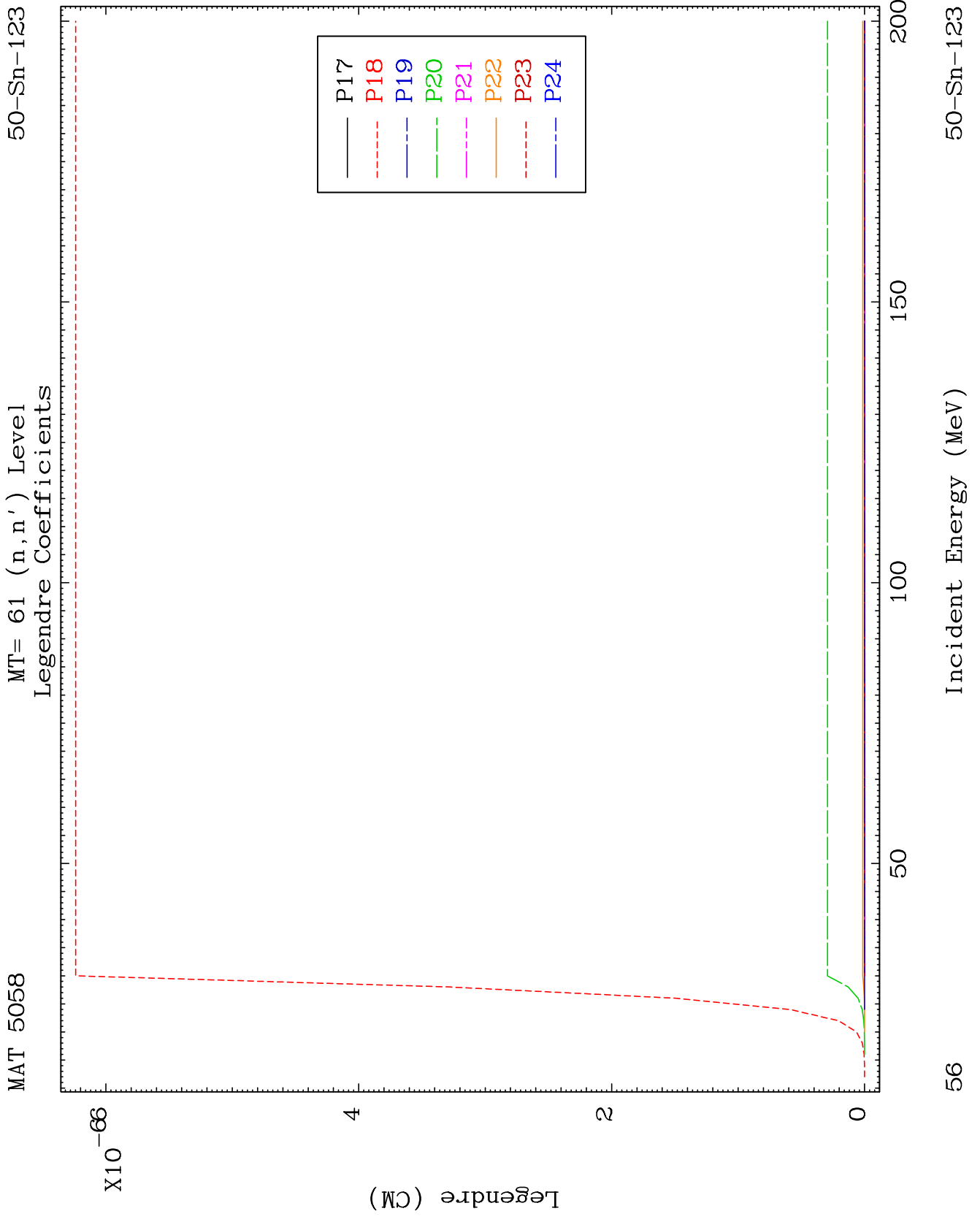
50-Sn-123



50-Sn-123

Incident Energy (MeV)

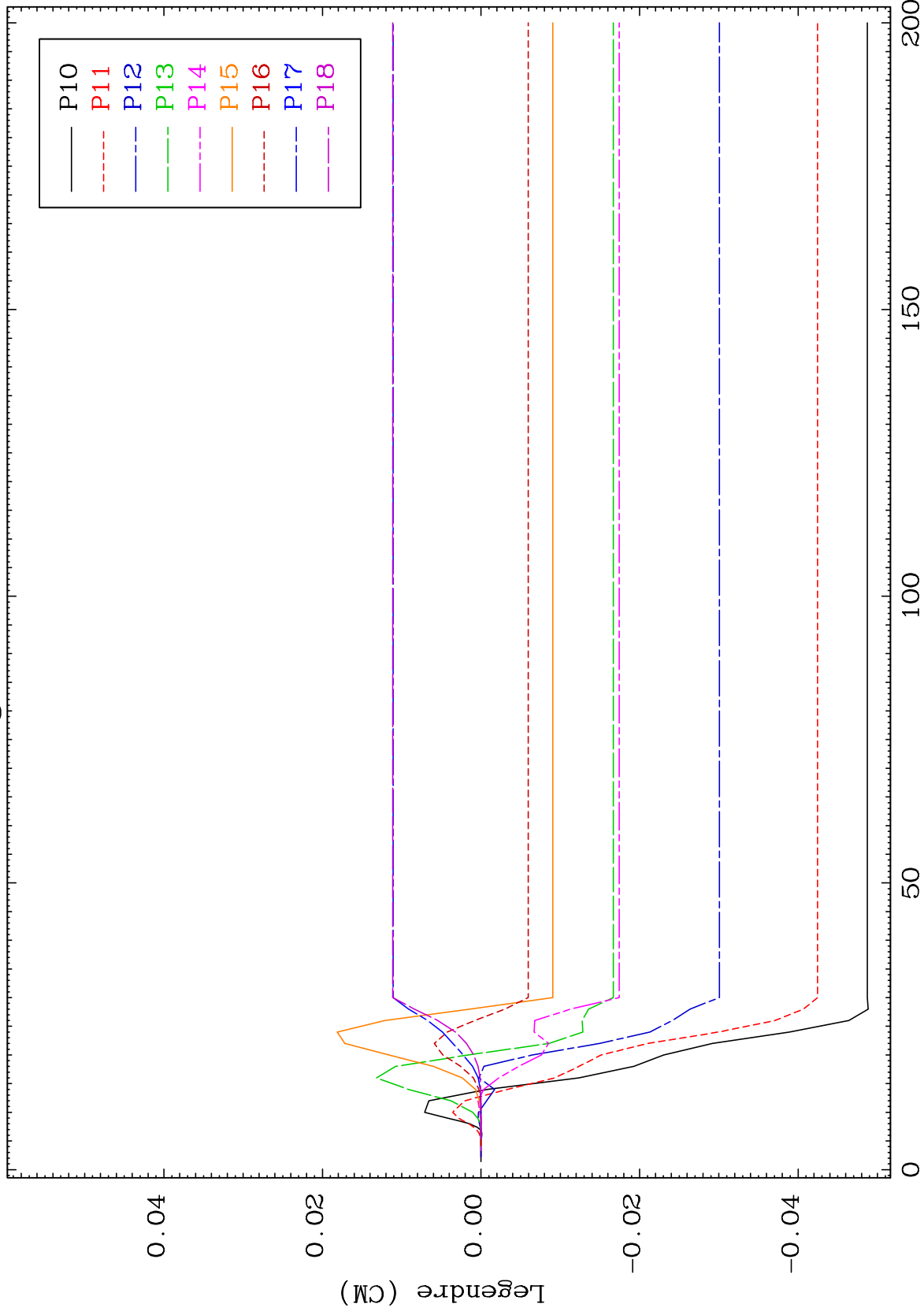
55



MAT 5058

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

50-Sn-123



58

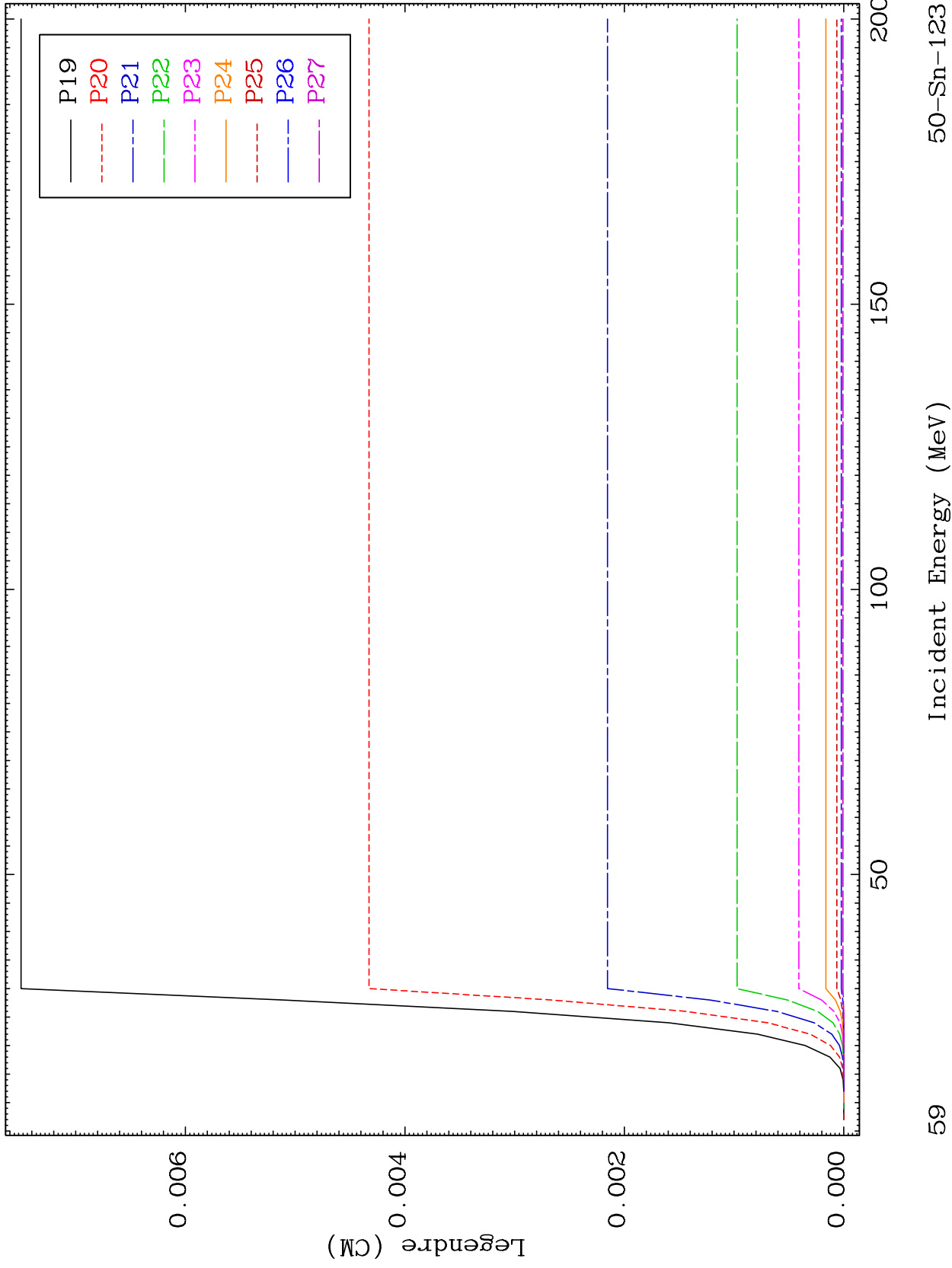
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



59

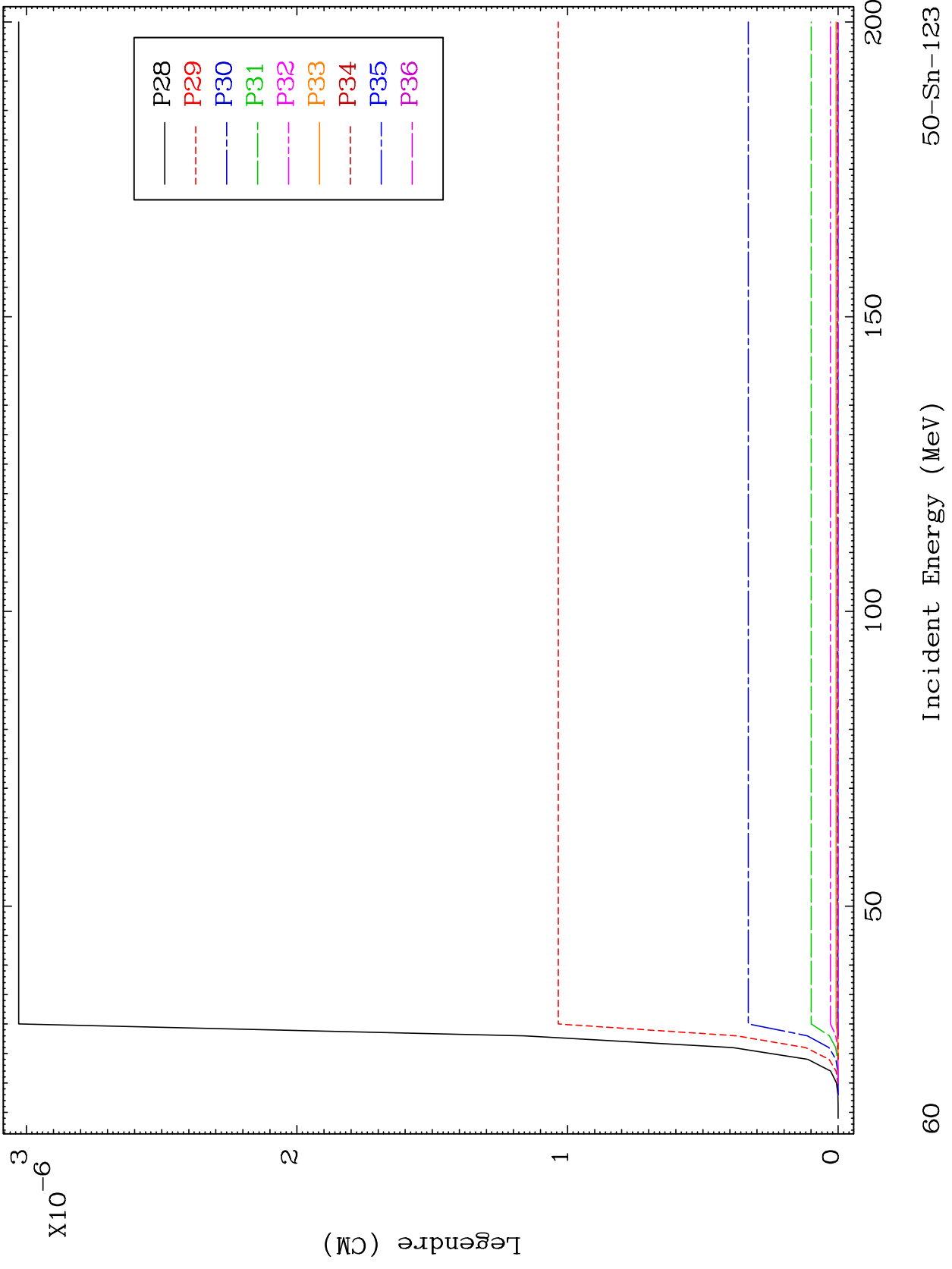
Incident Energy (MeV)

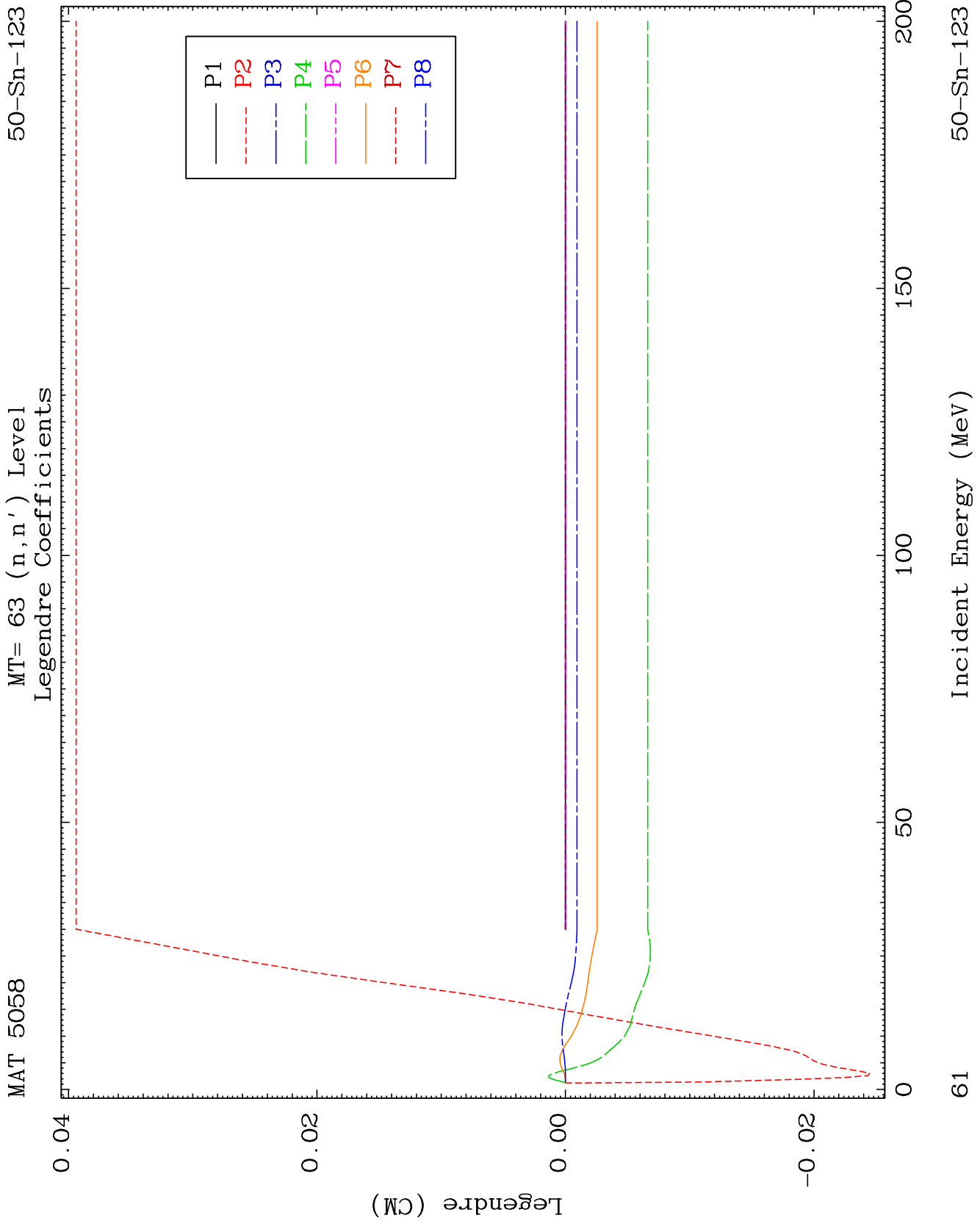
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MAT 5058

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

50-Sn-123

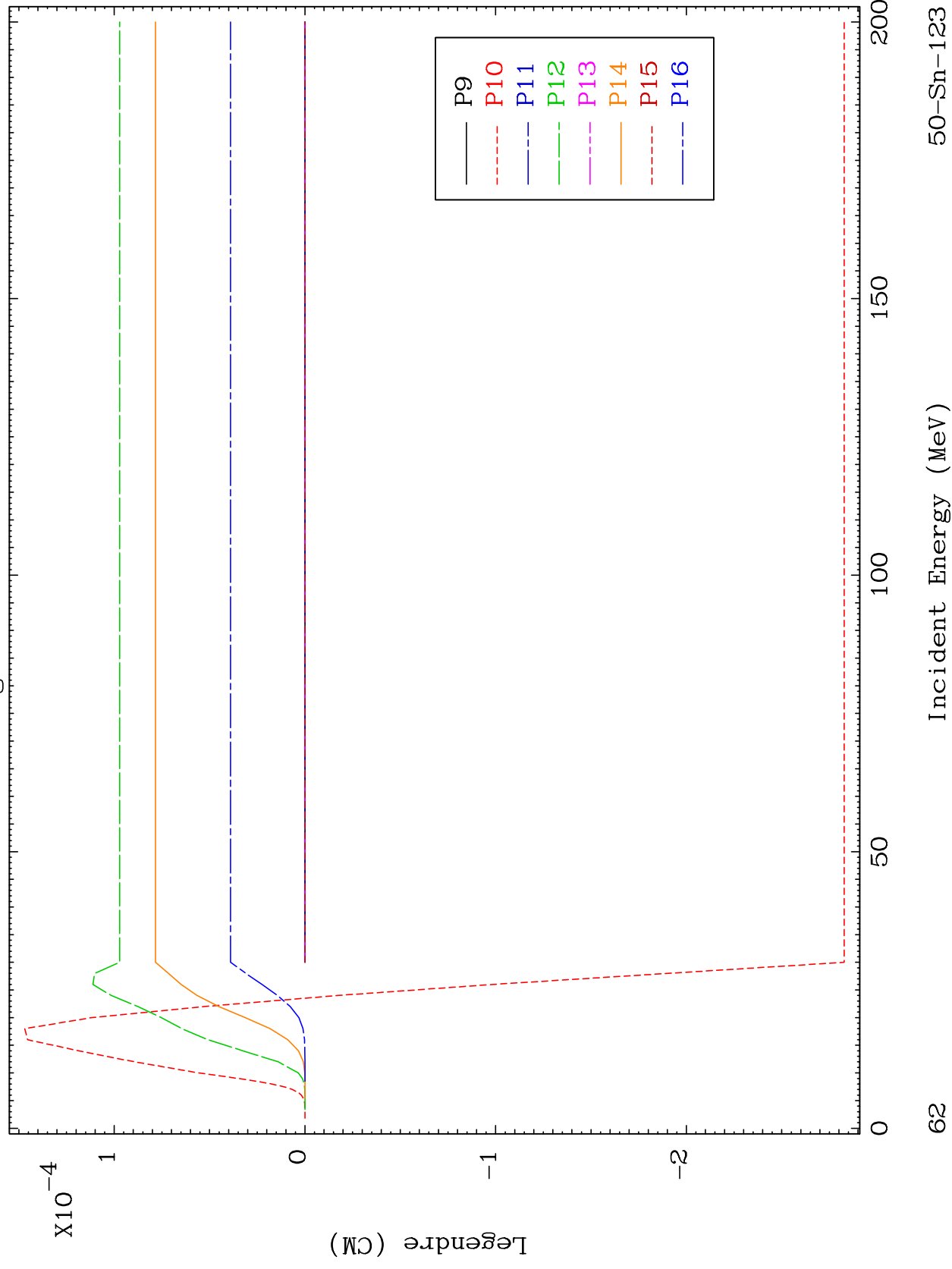




MAT 5058

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

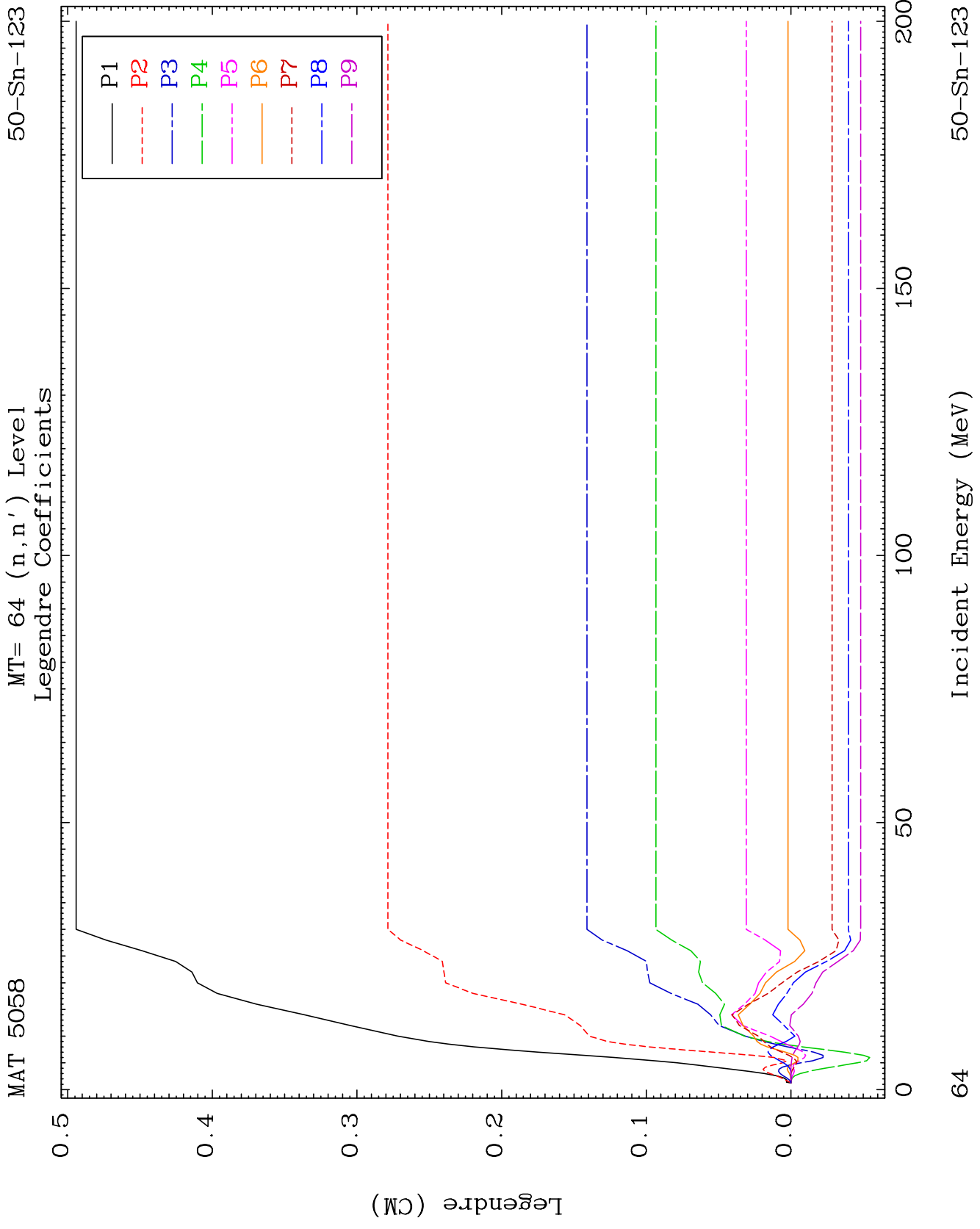
50-Sn-123



62

Incident Energy (MeV)

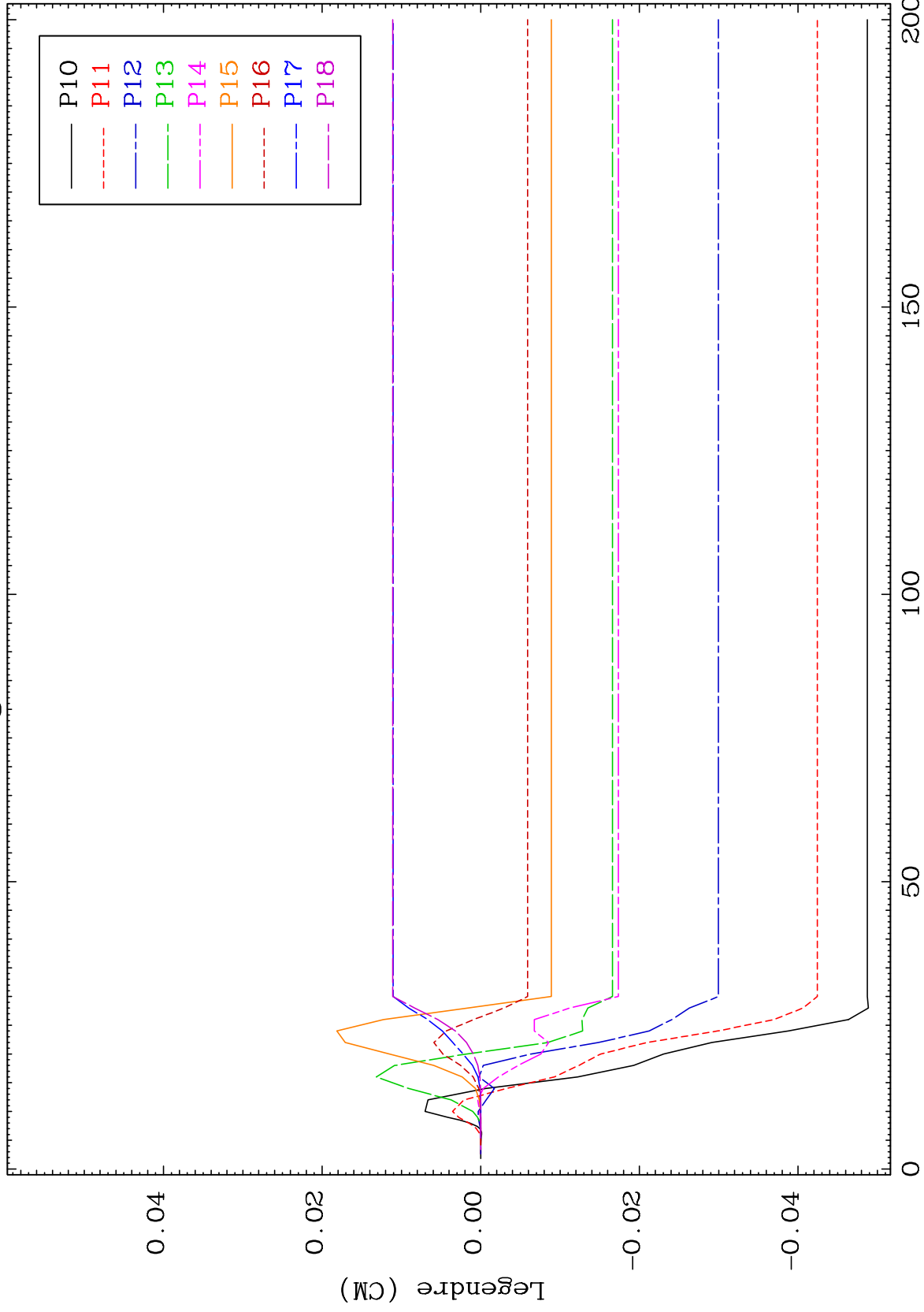
50-Sn-123



MAT 5058

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

50-Sn-123



65

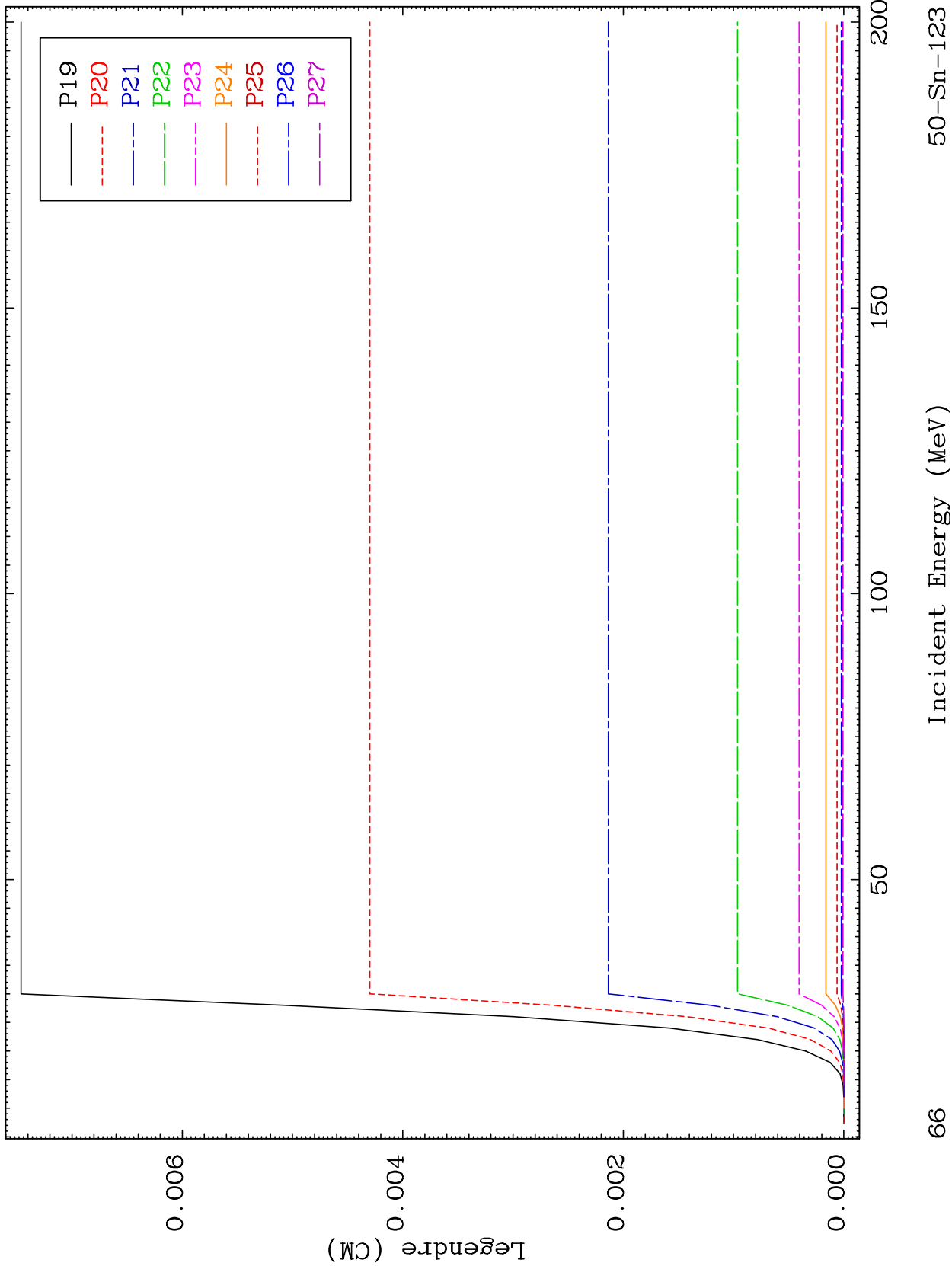
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



66

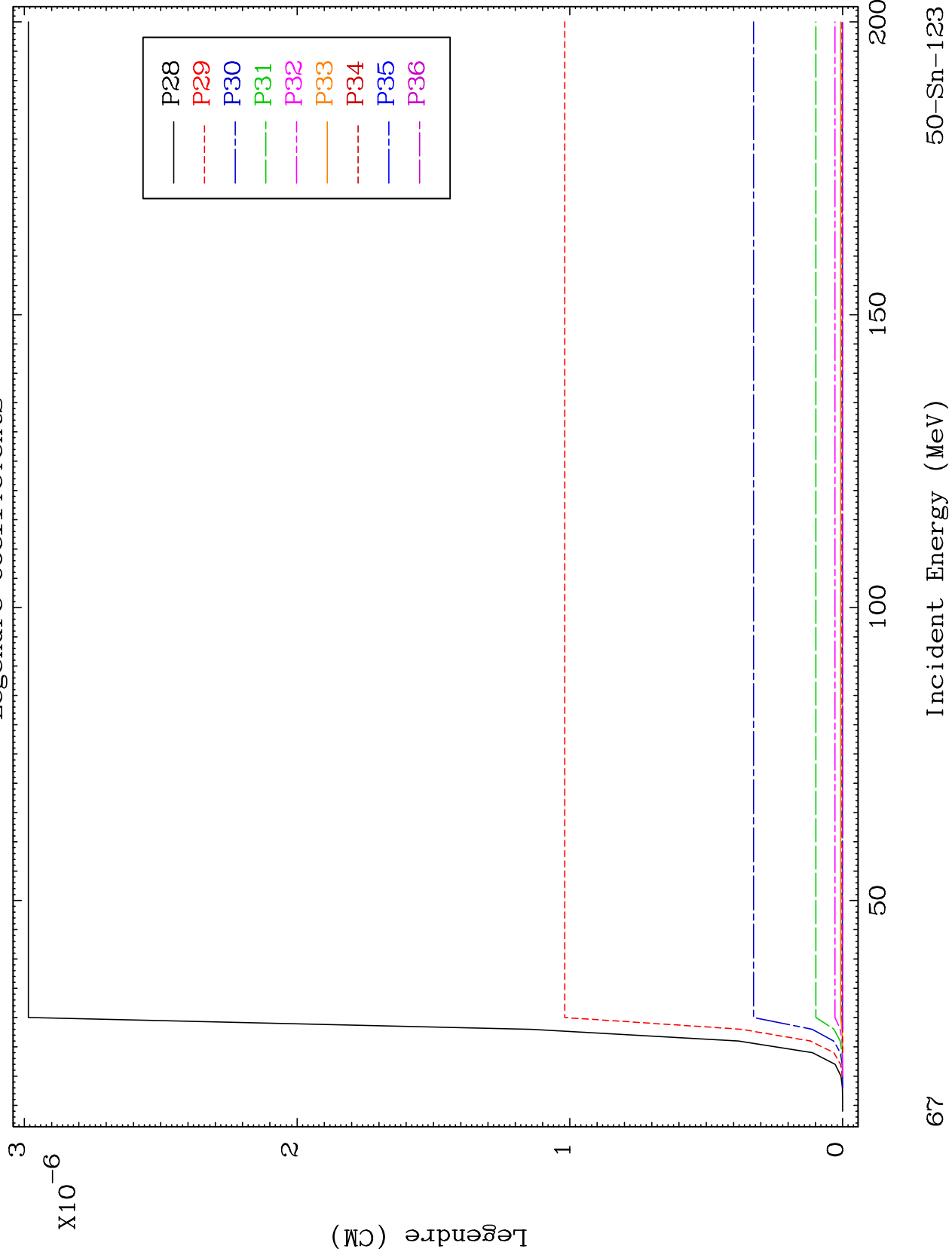
Incident Energy (MeV)

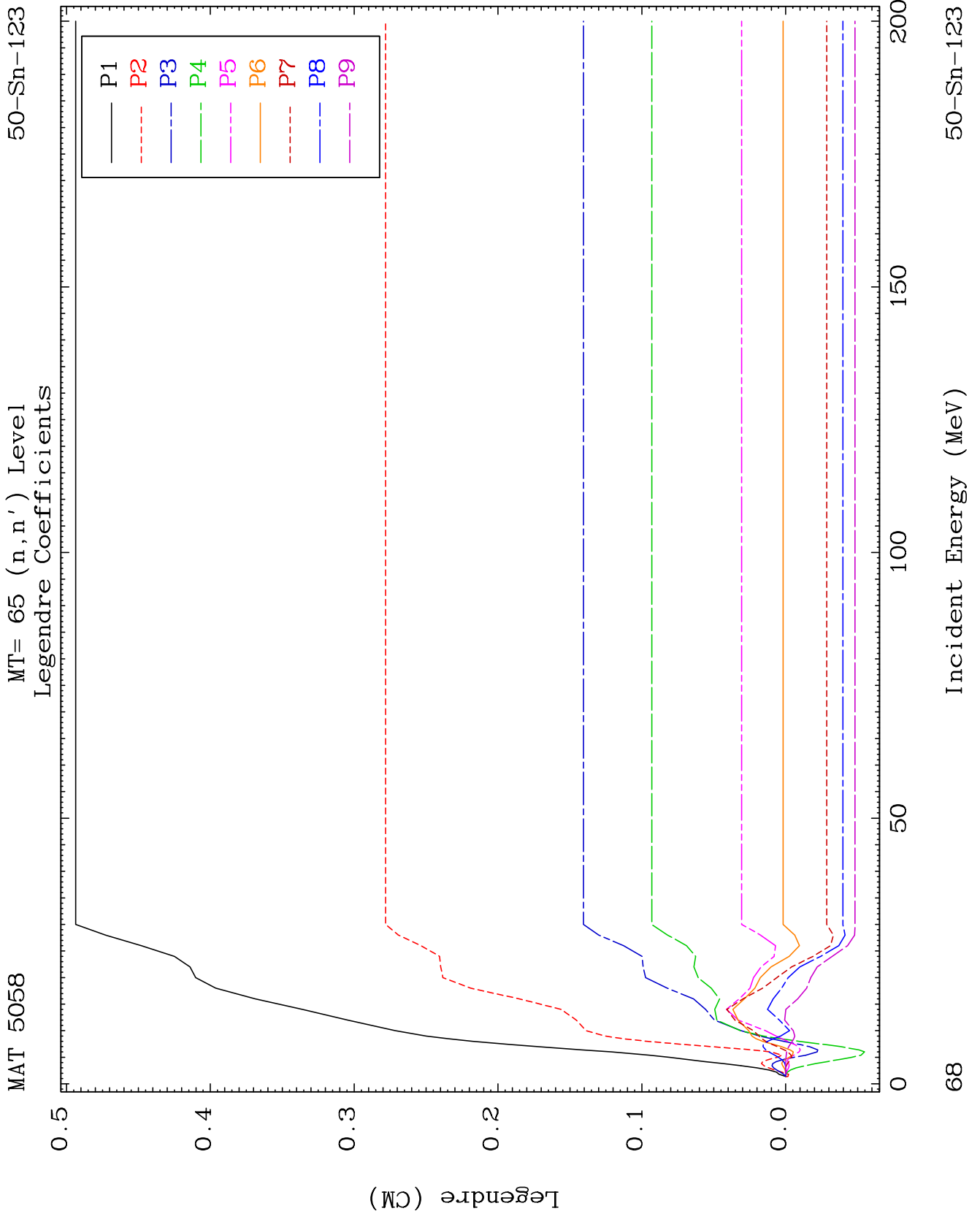
50-Sn-123

MAT 5058

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

50-Sn-123

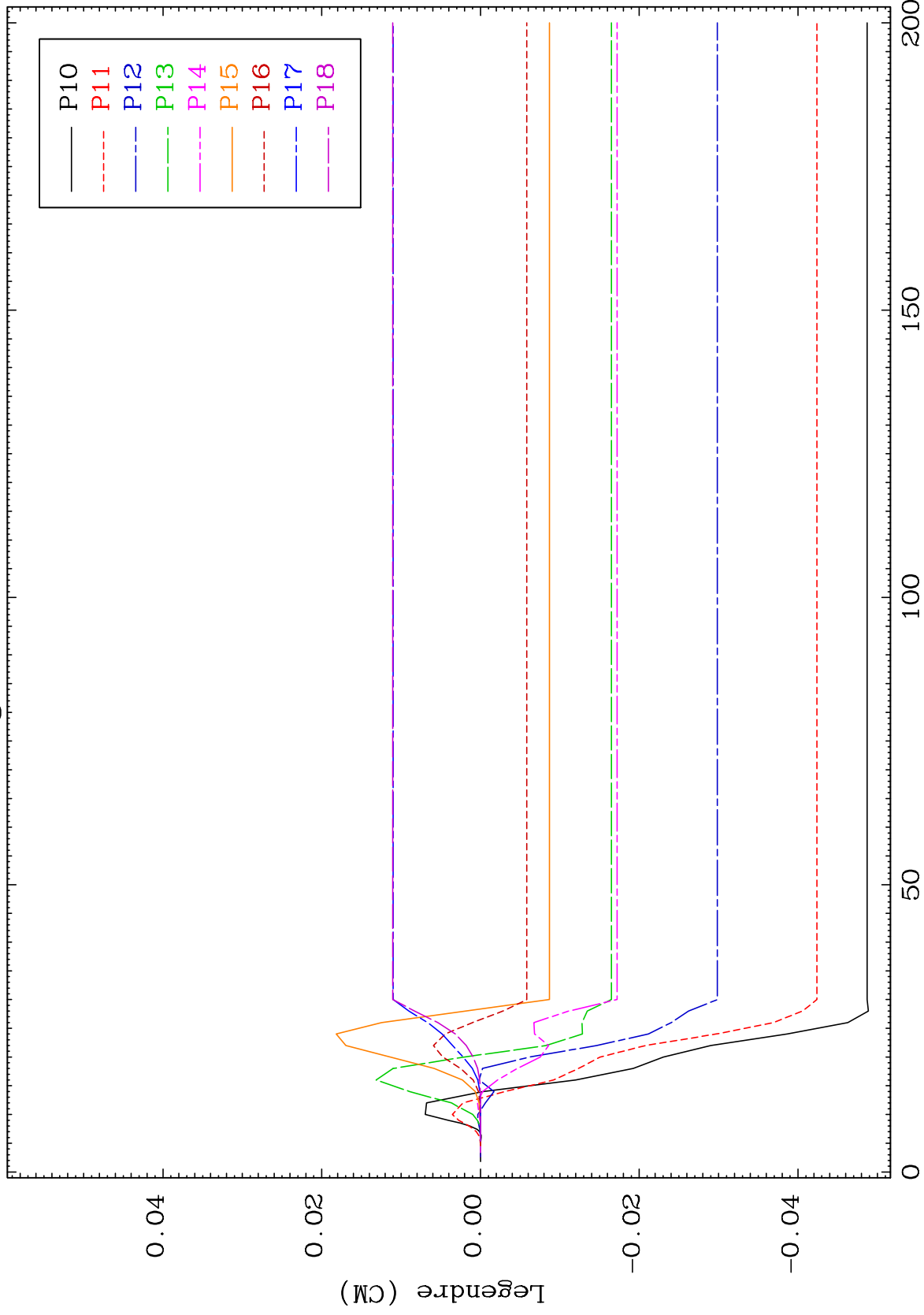




MAT 5058

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

50-Sn-123



69

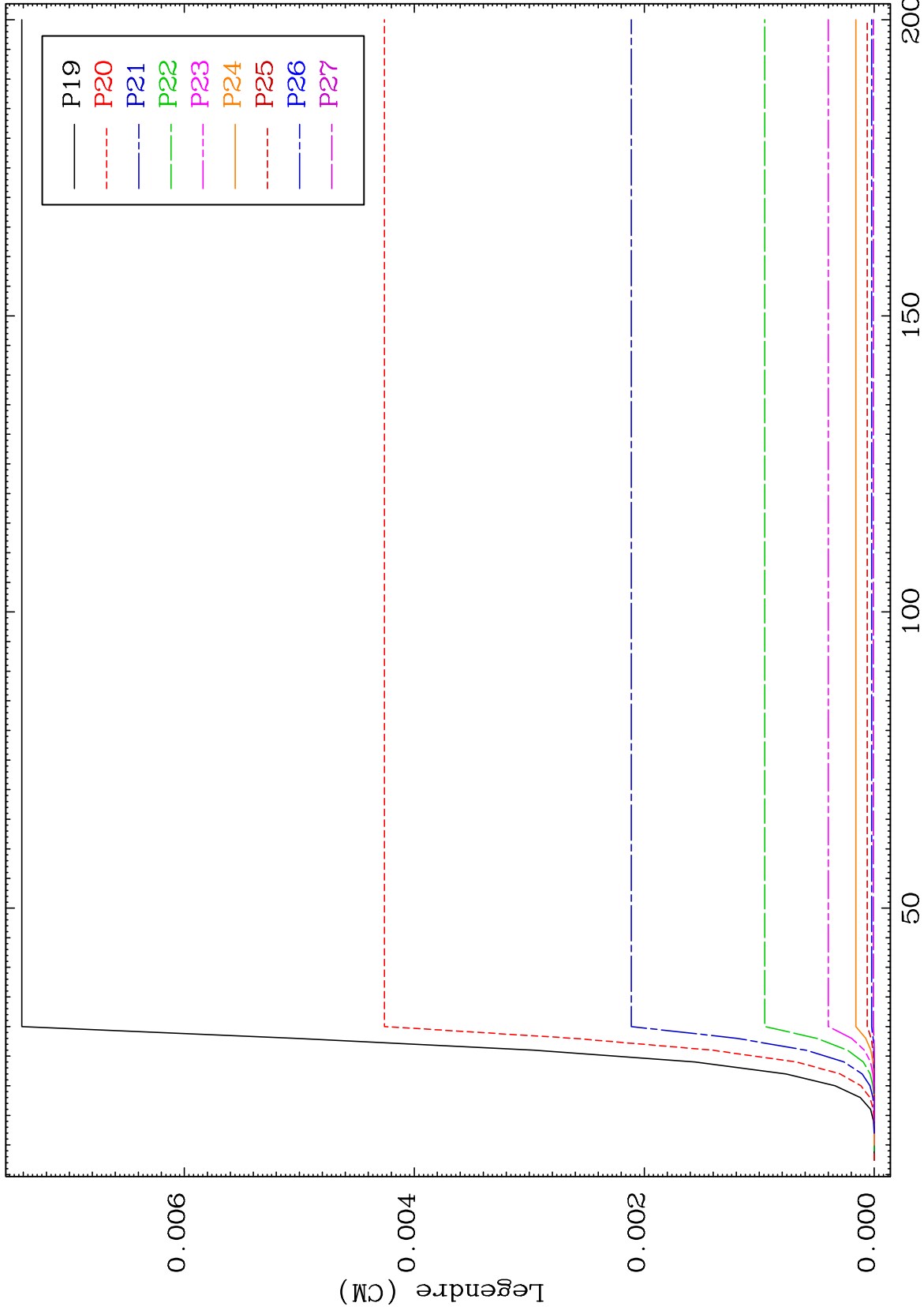
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



70

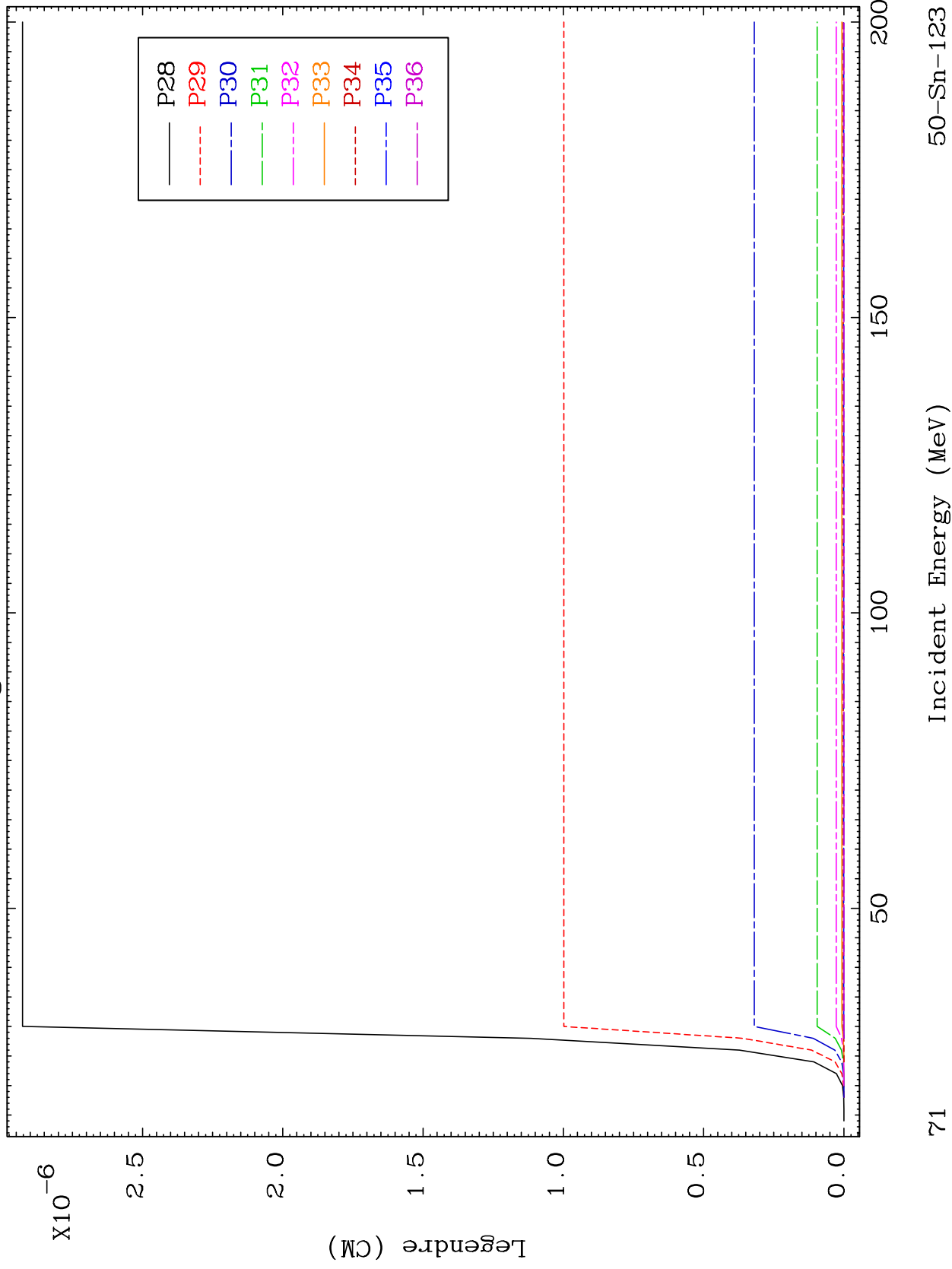
Incident Energy (MeV)

50-Sn-123

MAT 5058

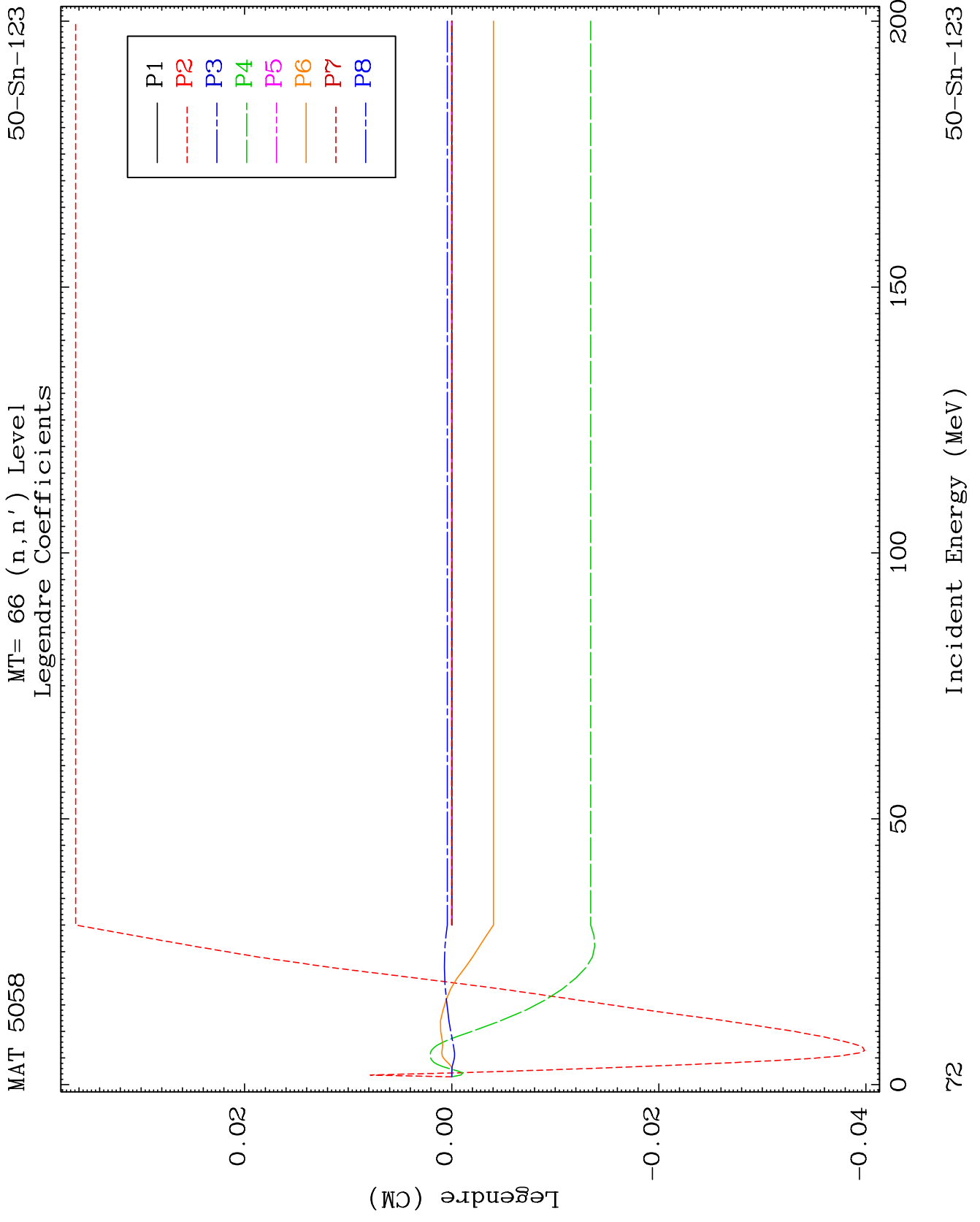
MT= 65 (n,n') Level
Legendre Coefficients

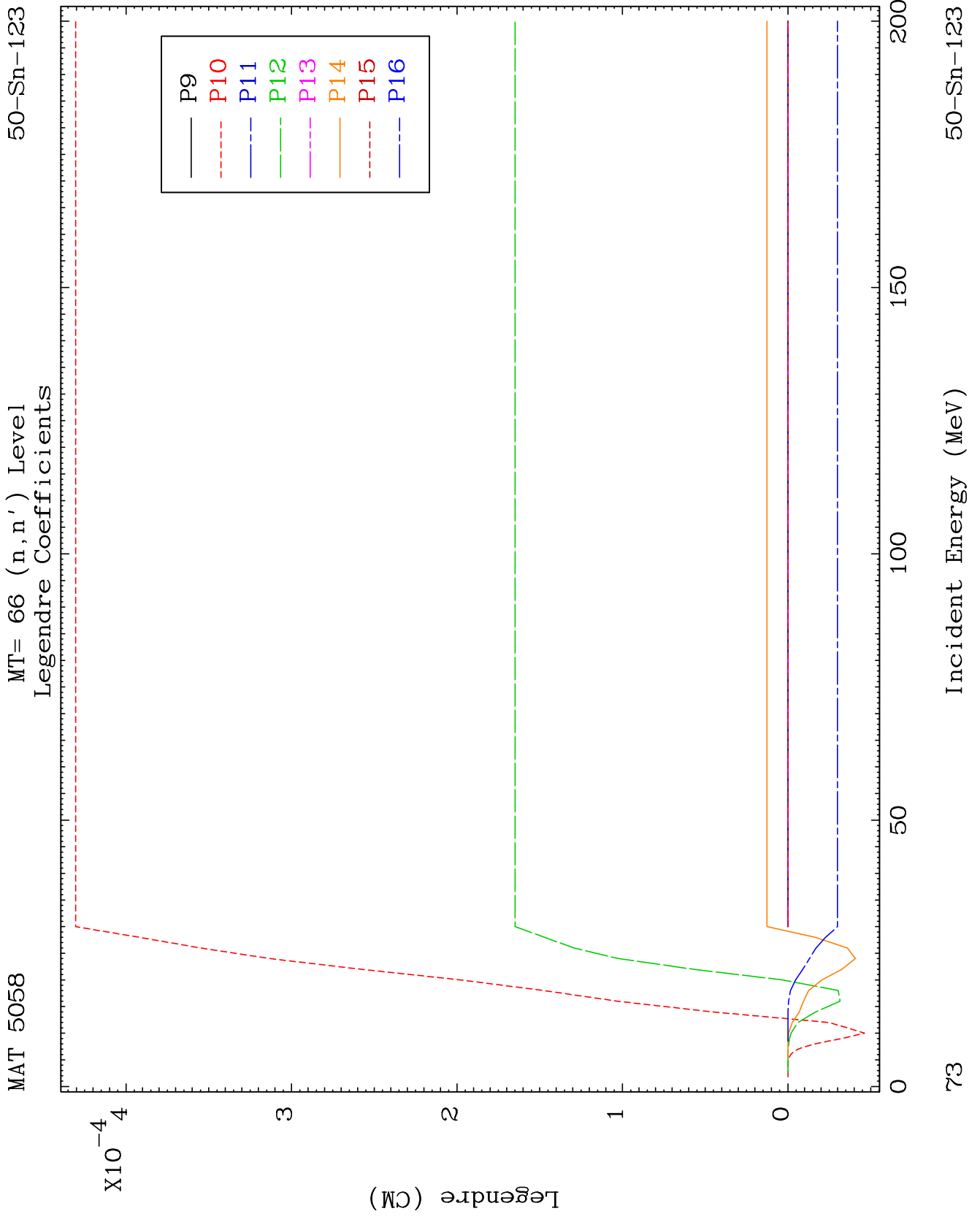
50-Sn-123

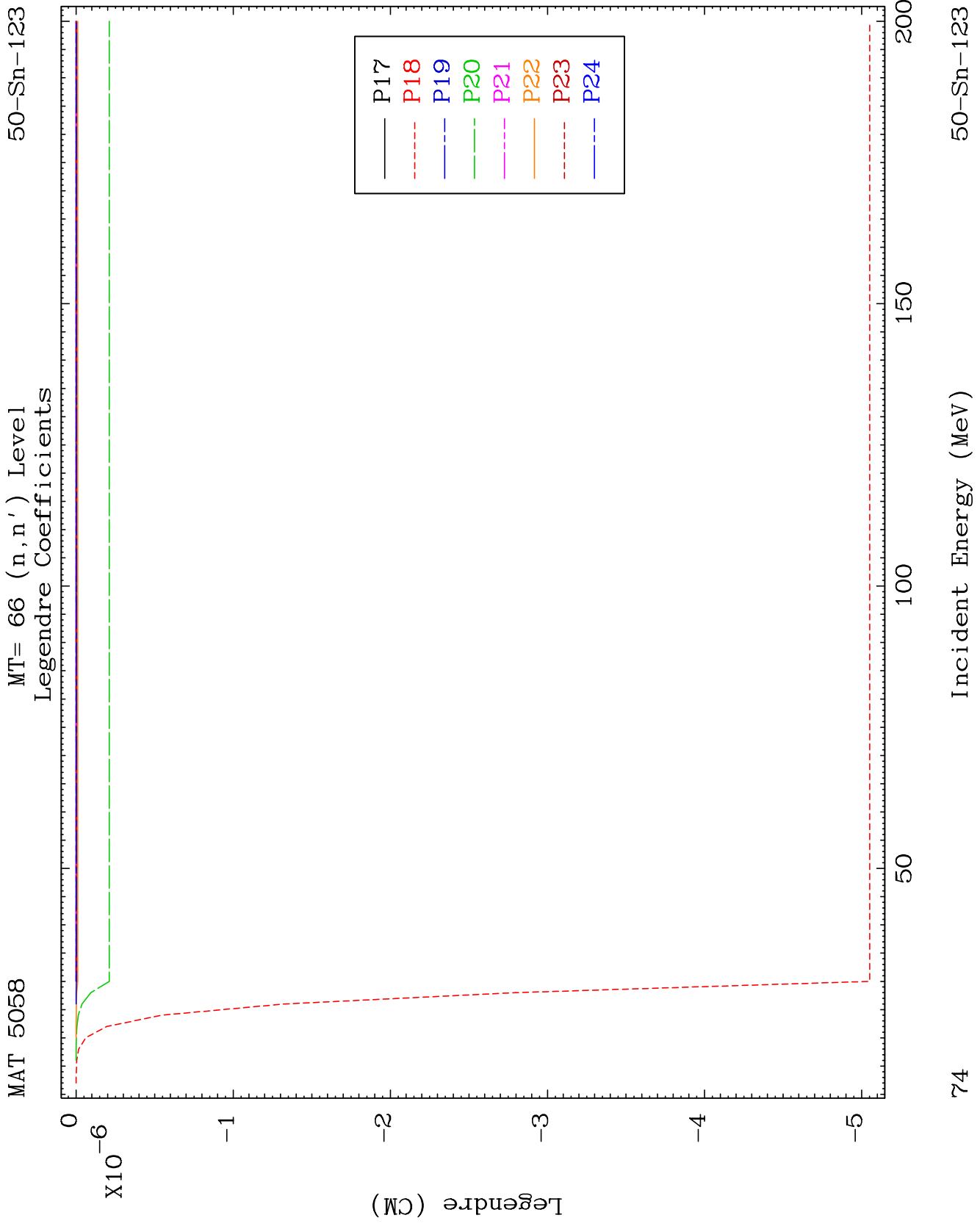


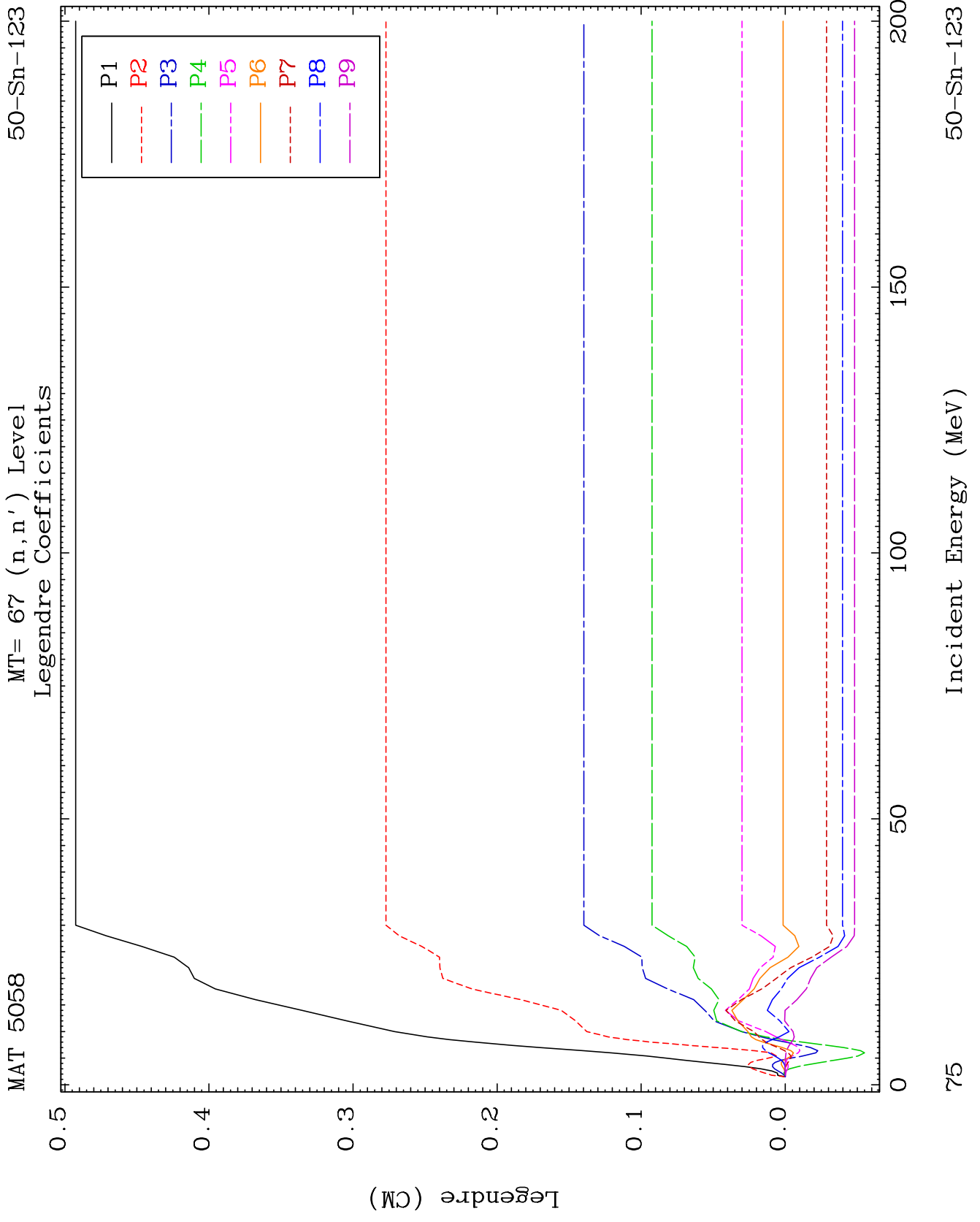
71

50-Sn-123





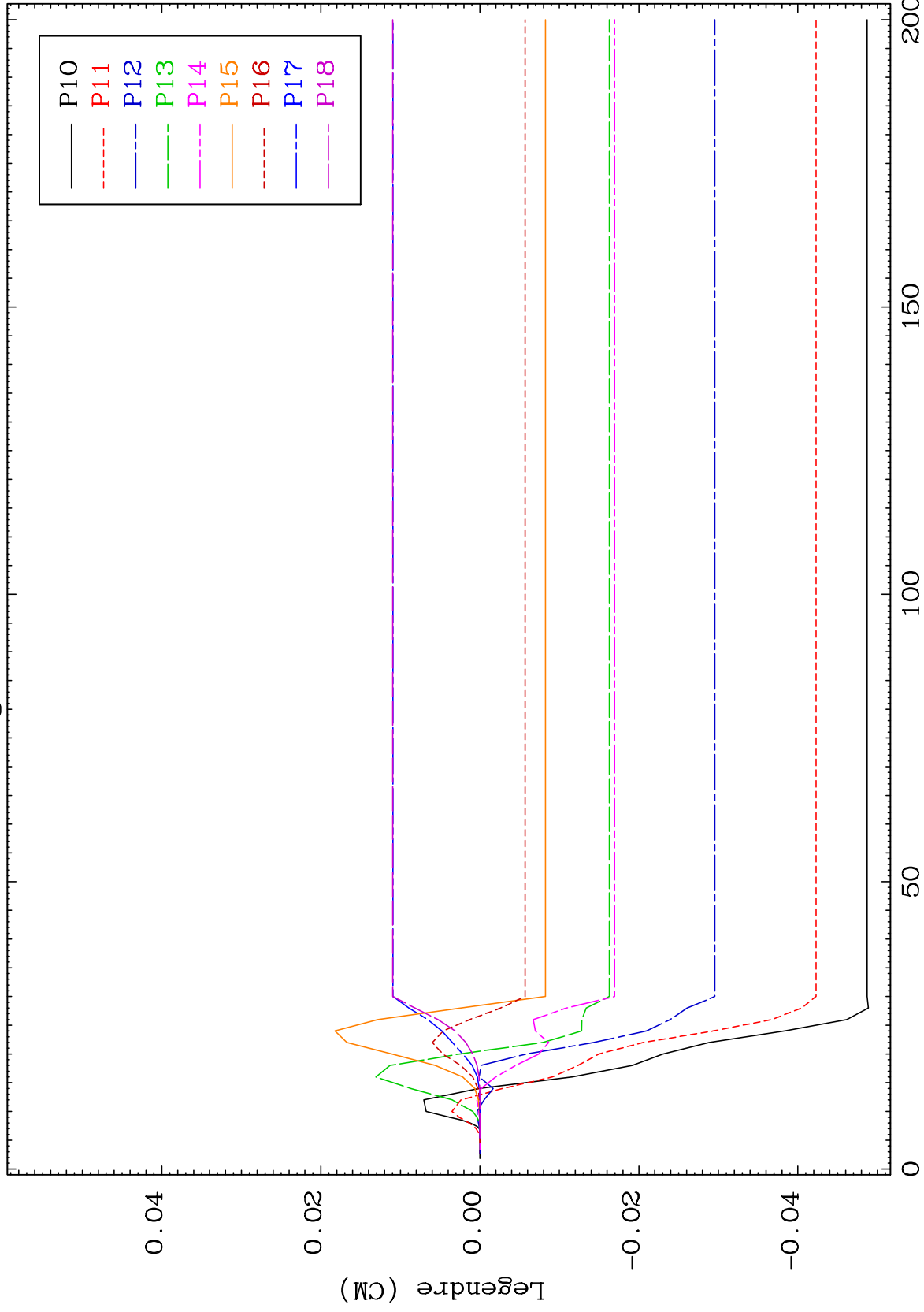




MAT 5058

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

50-Sn-123



76

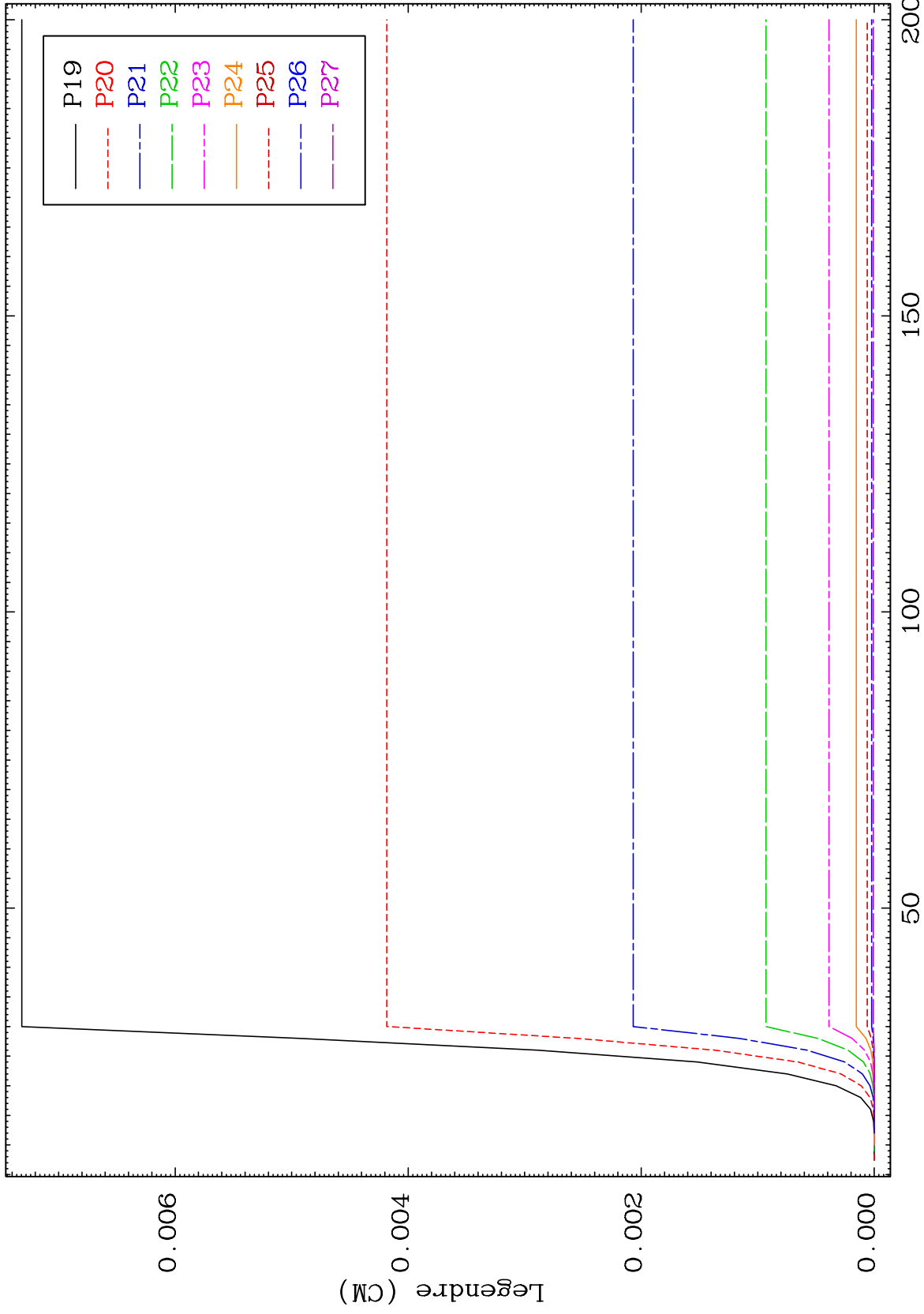
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



77

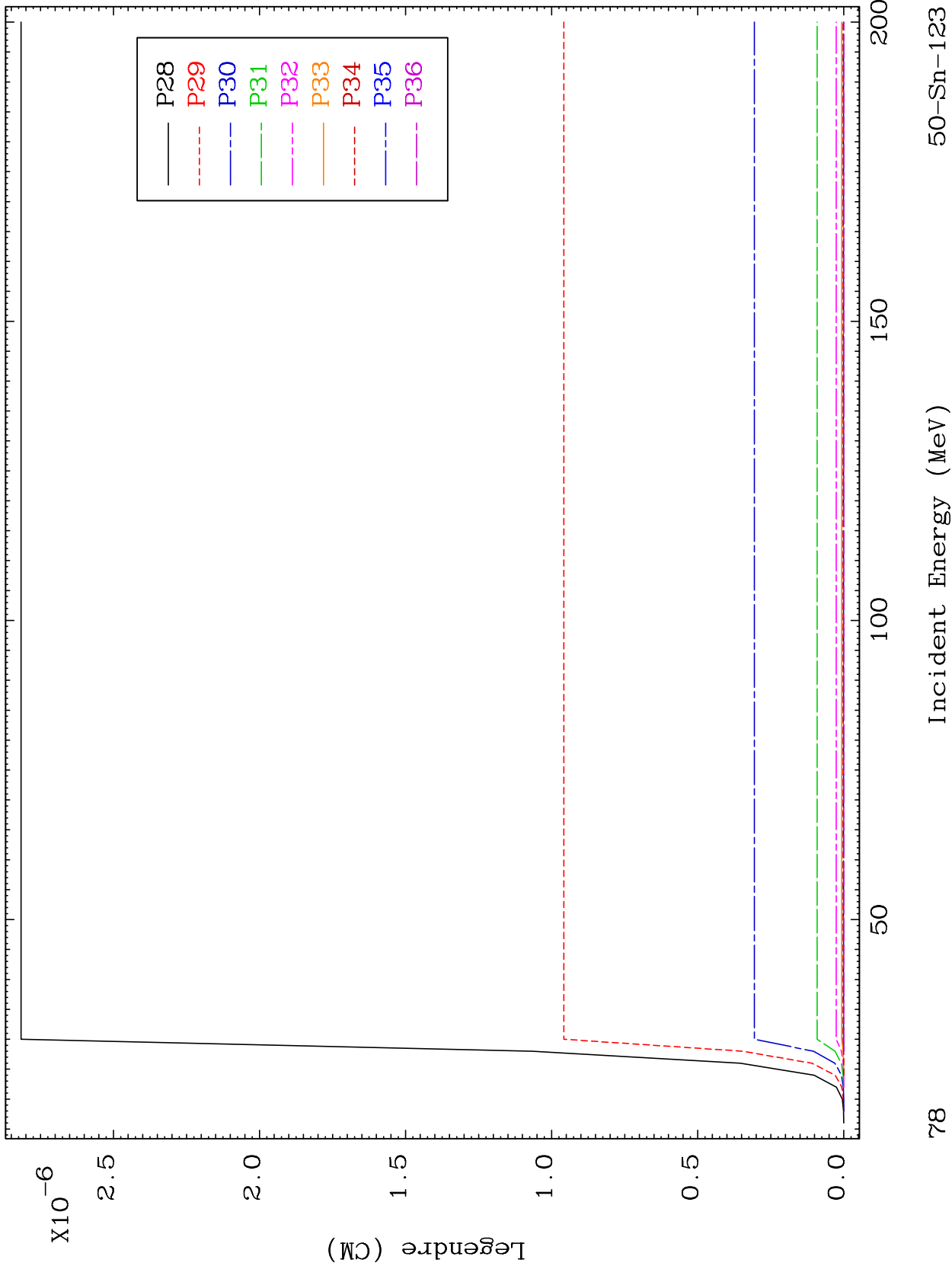
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

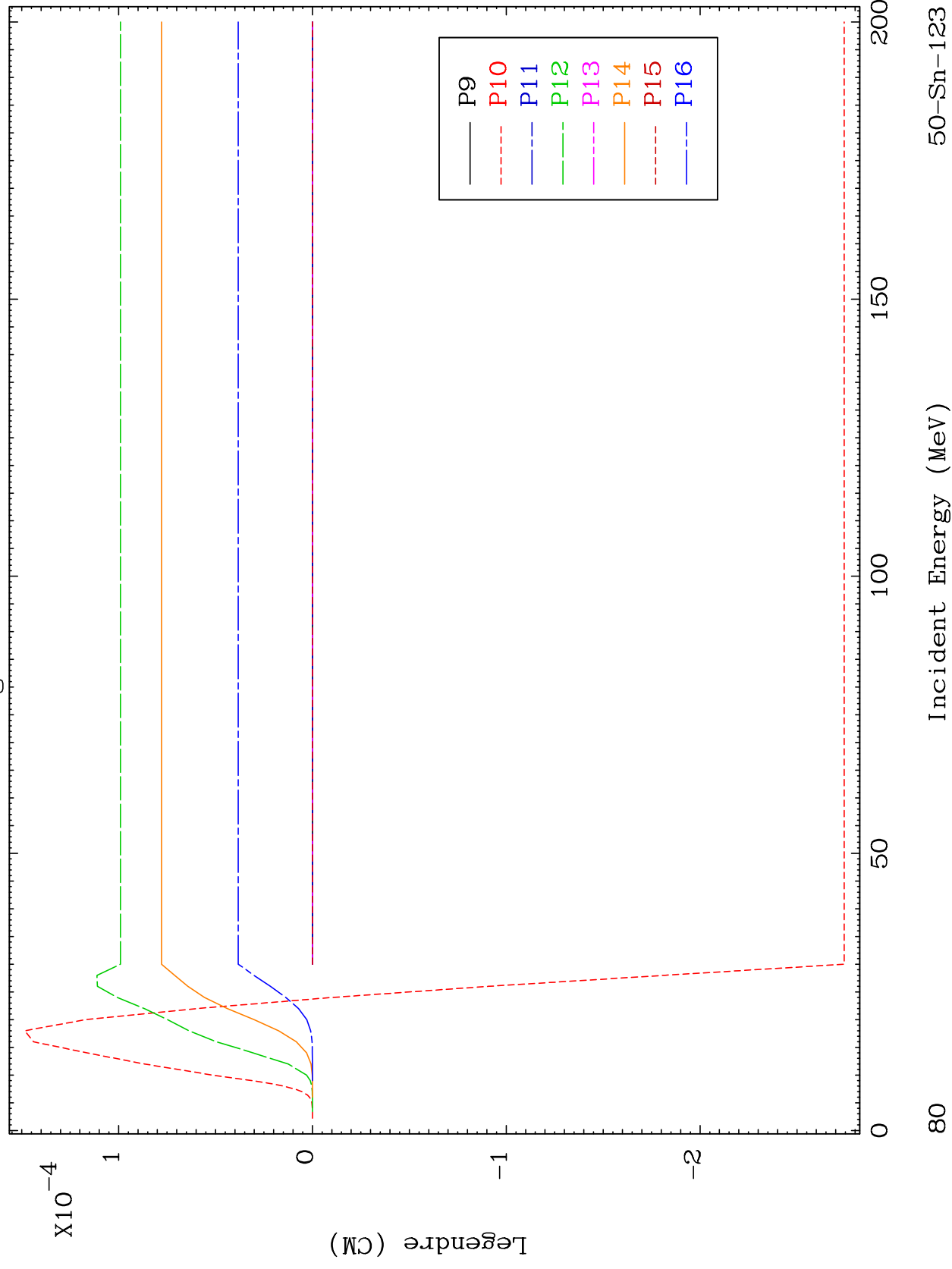
50-Sn-123



MAT 5058

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

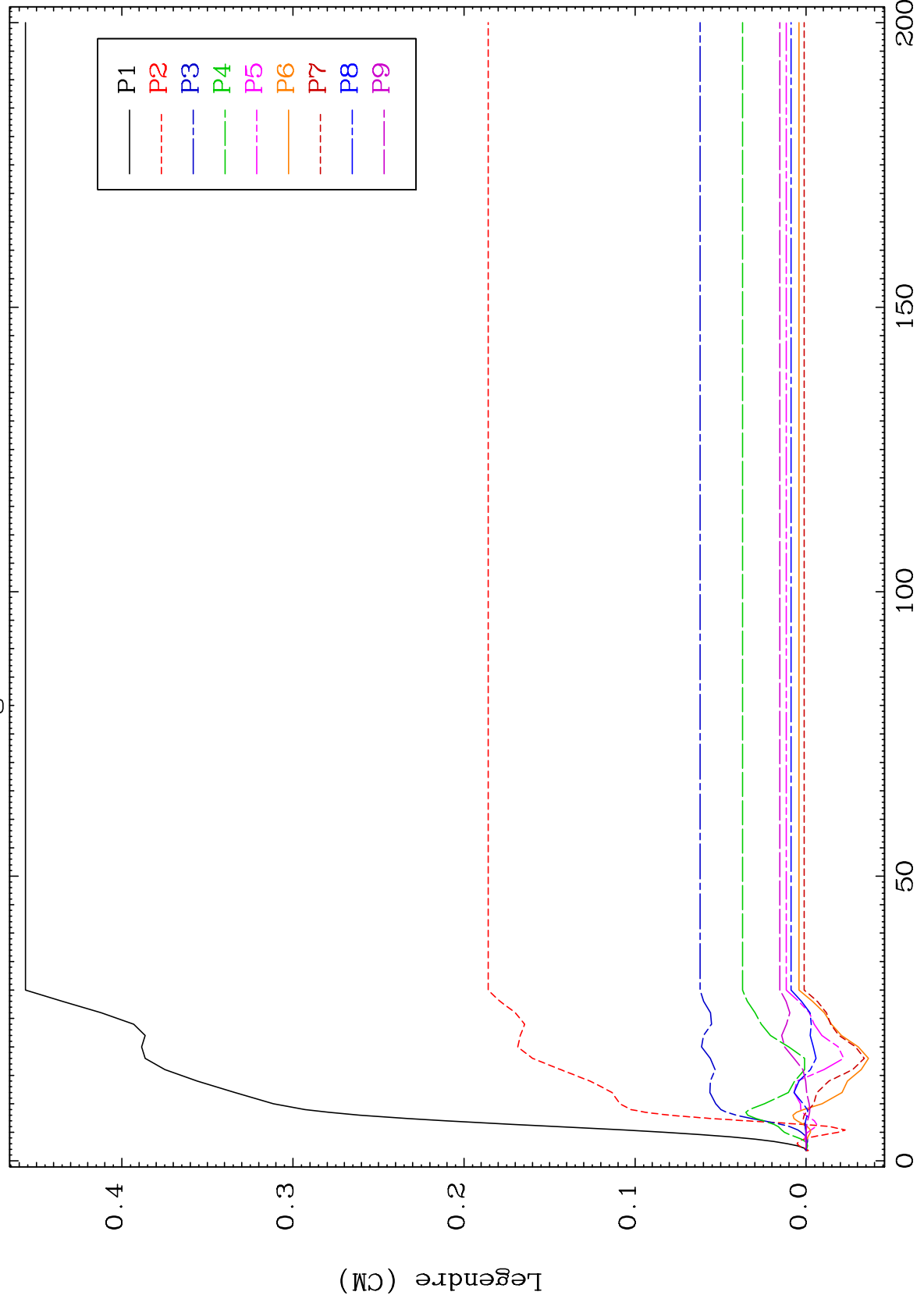
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

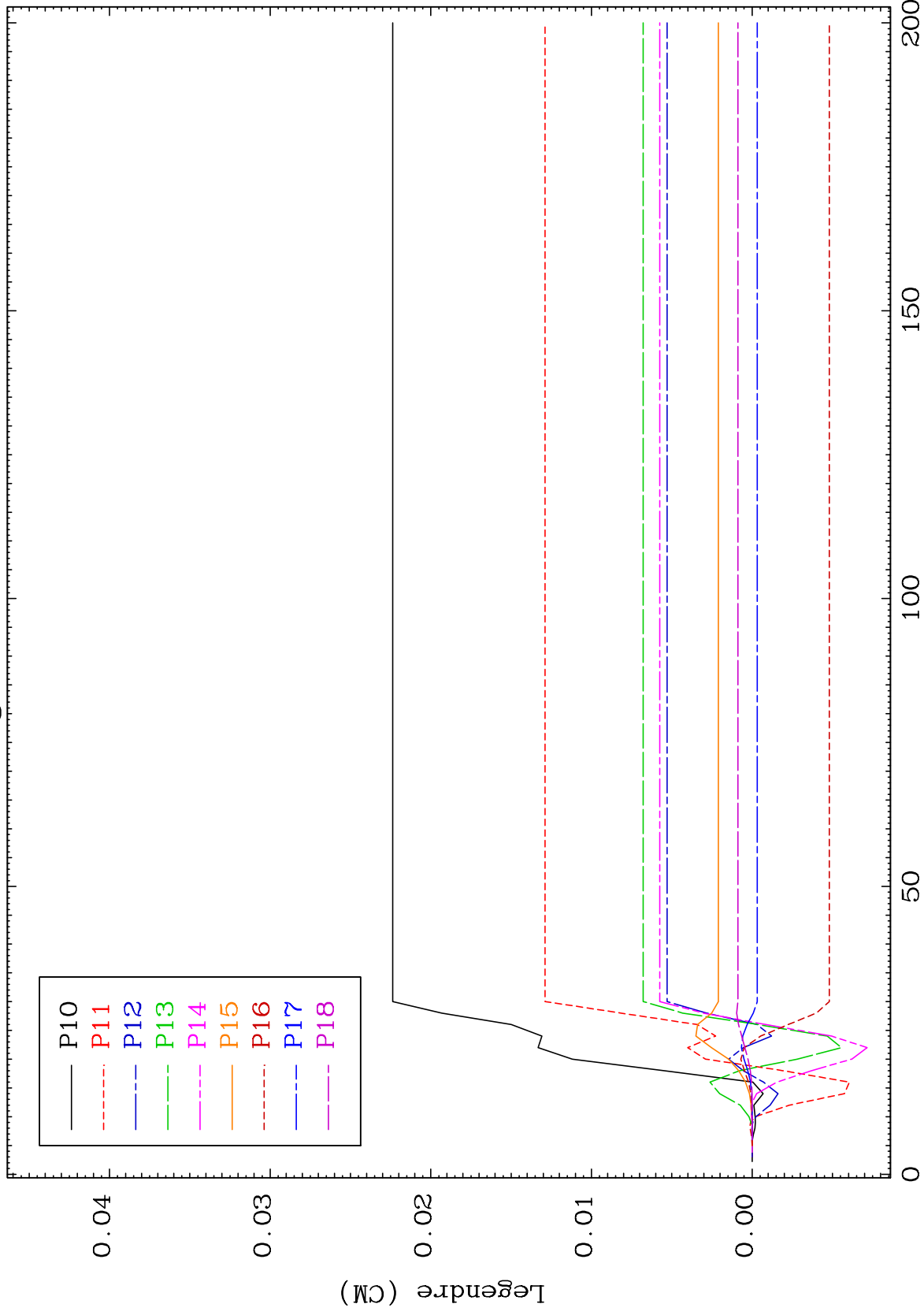
Incident Energy (MeV)

82

MAT 5058

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

50-Sn-123



83

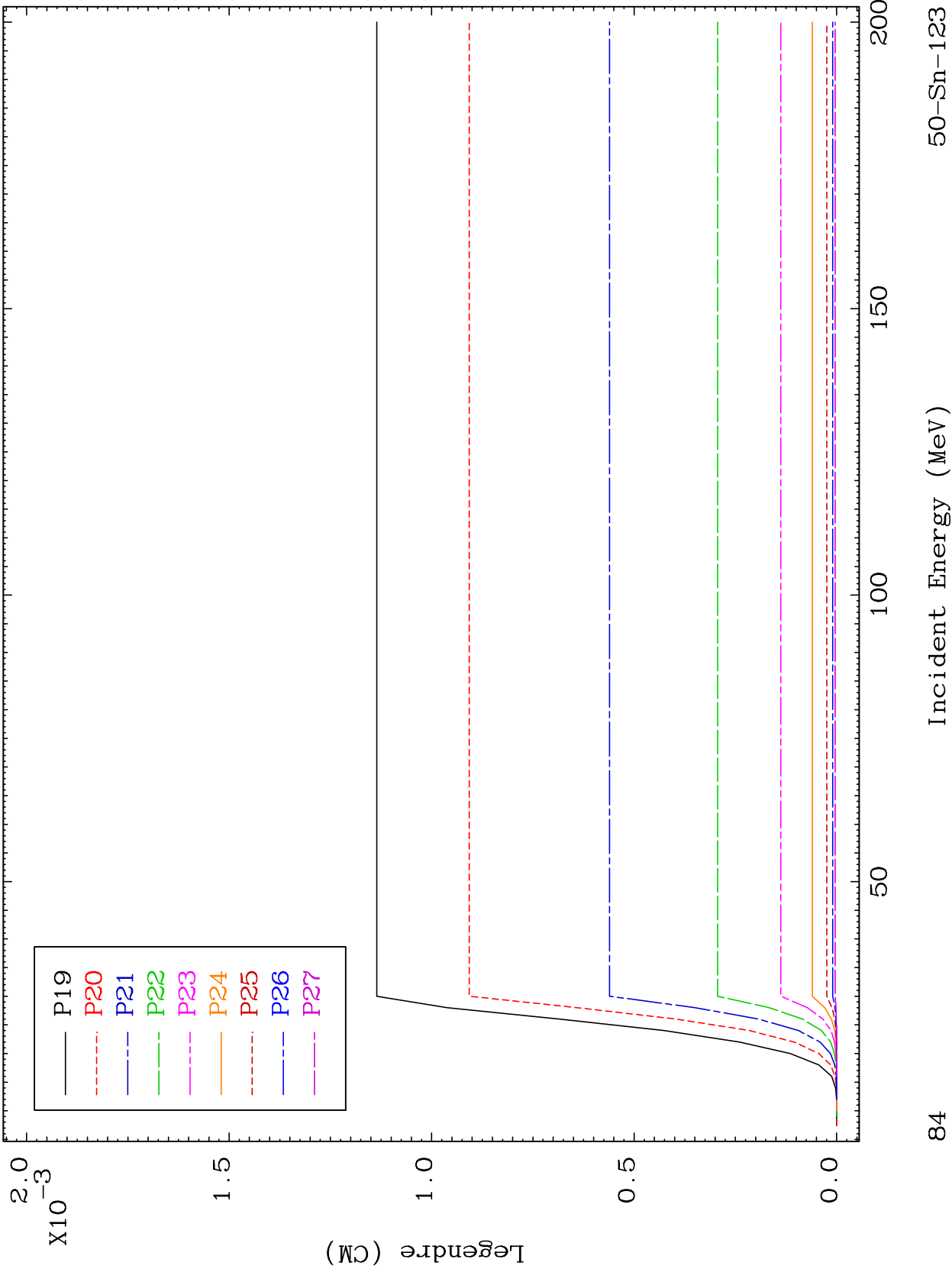
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



84

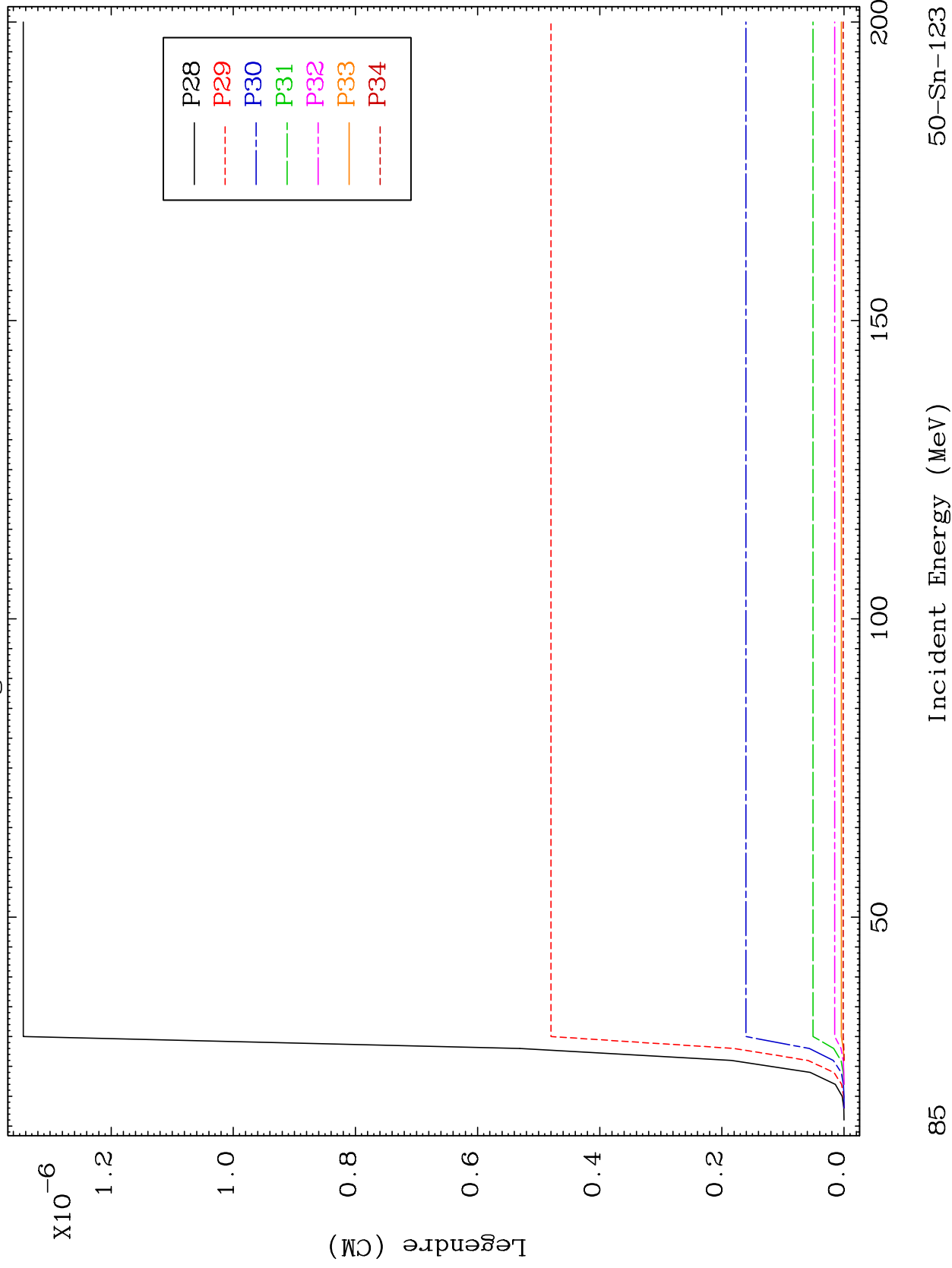
Incident Energy (MeV)

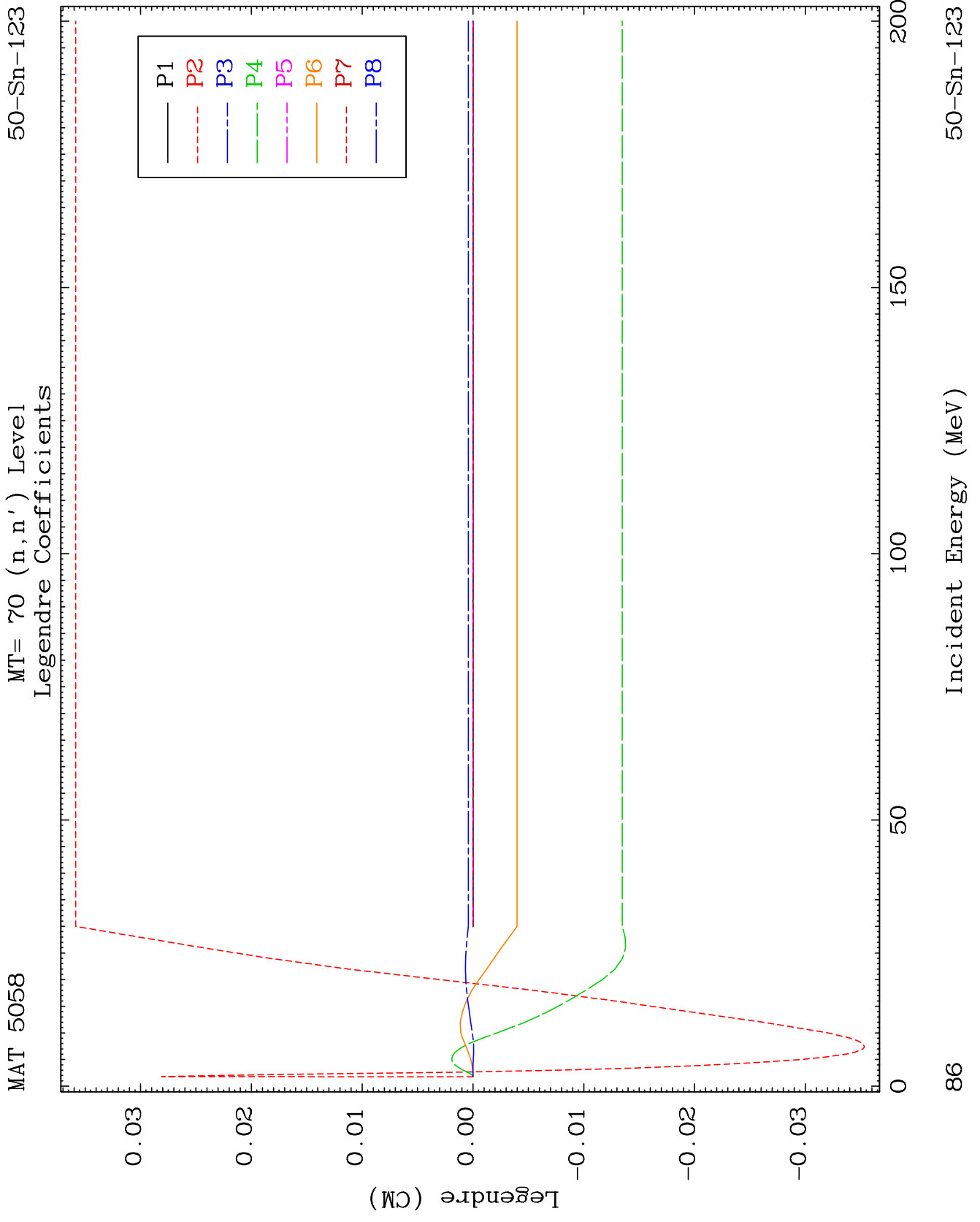
50-Sn-123

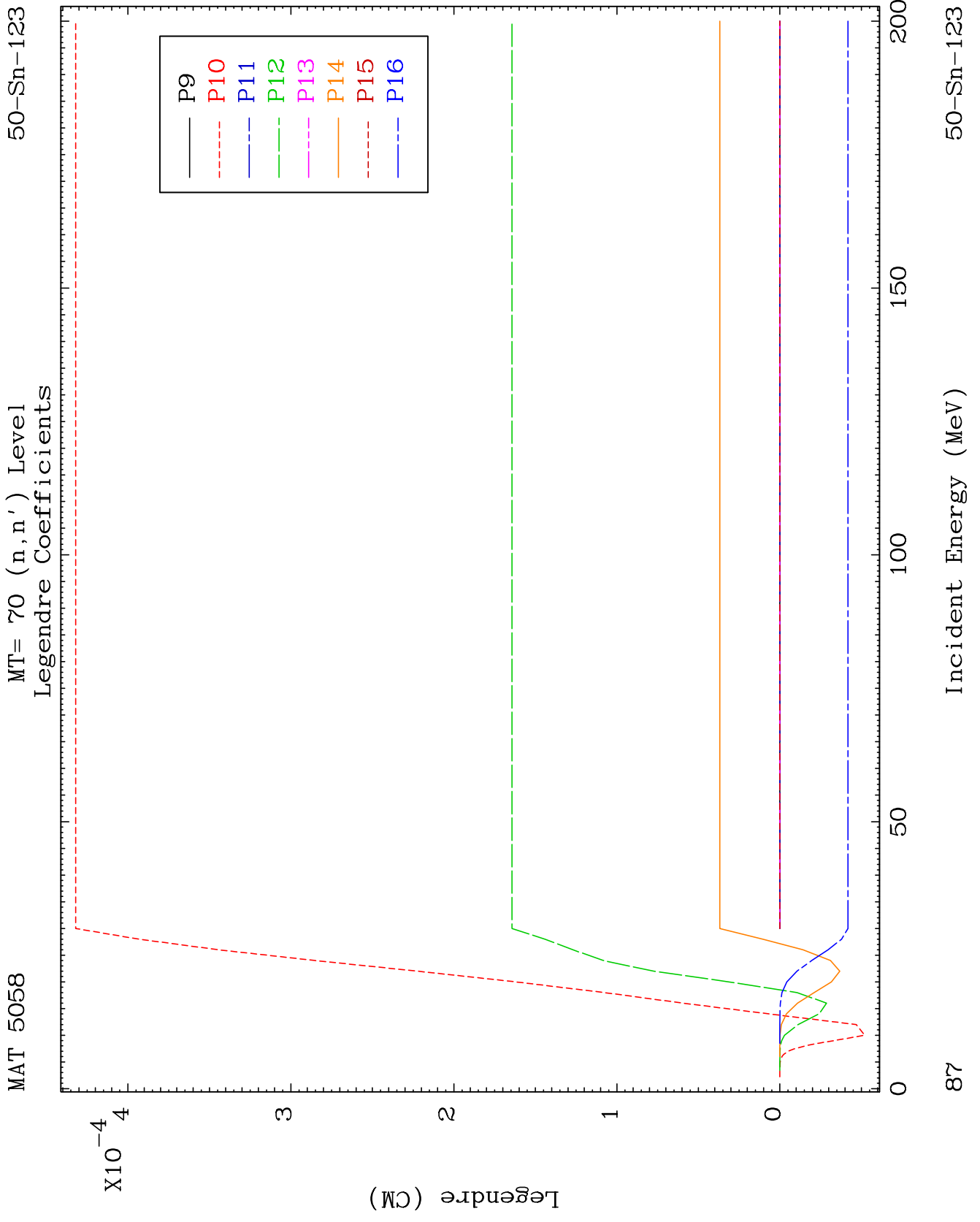
MAT 5058

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

50-Sn-123



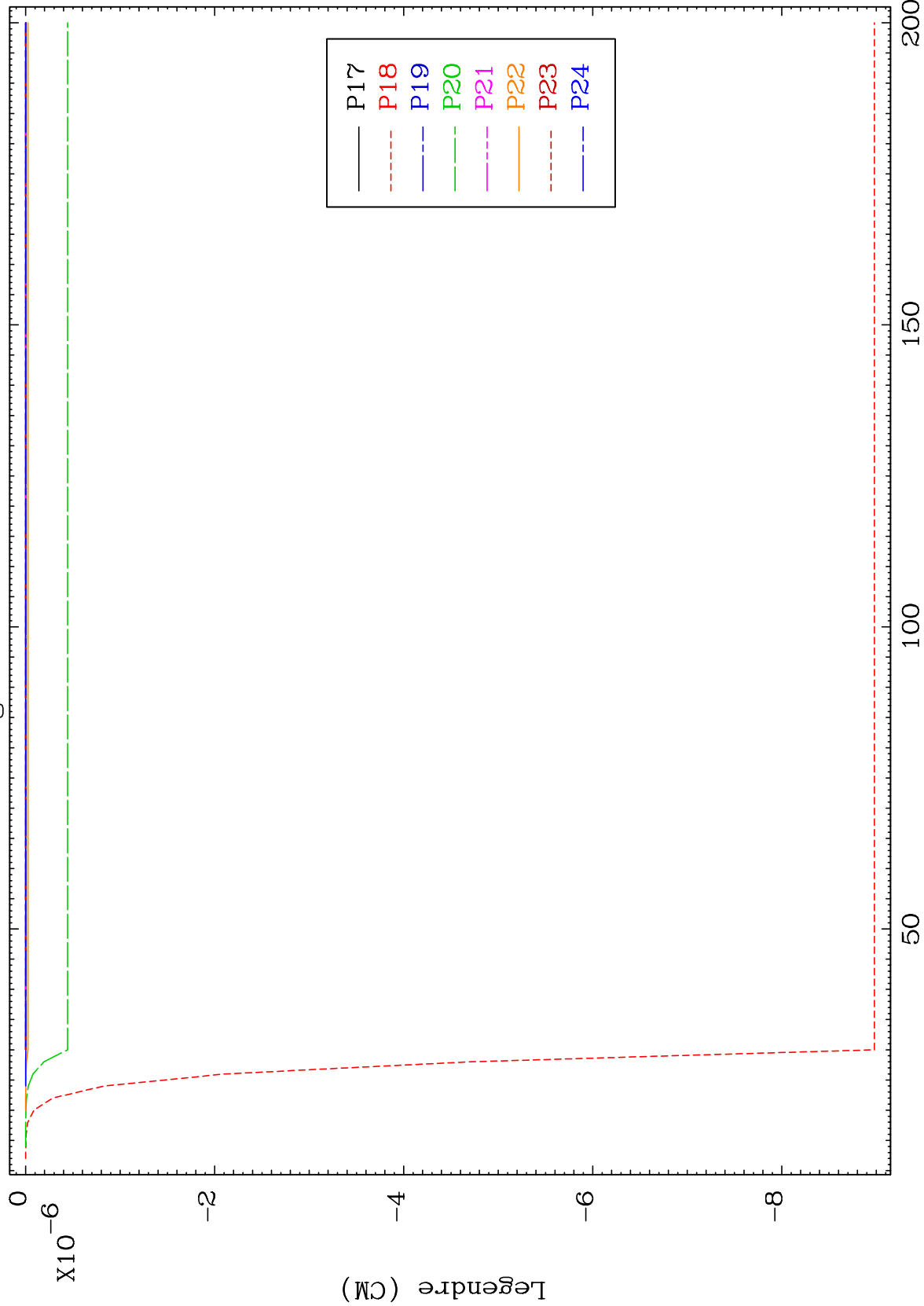




MAT 5058

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

50-Sn-123



50-Sn-123

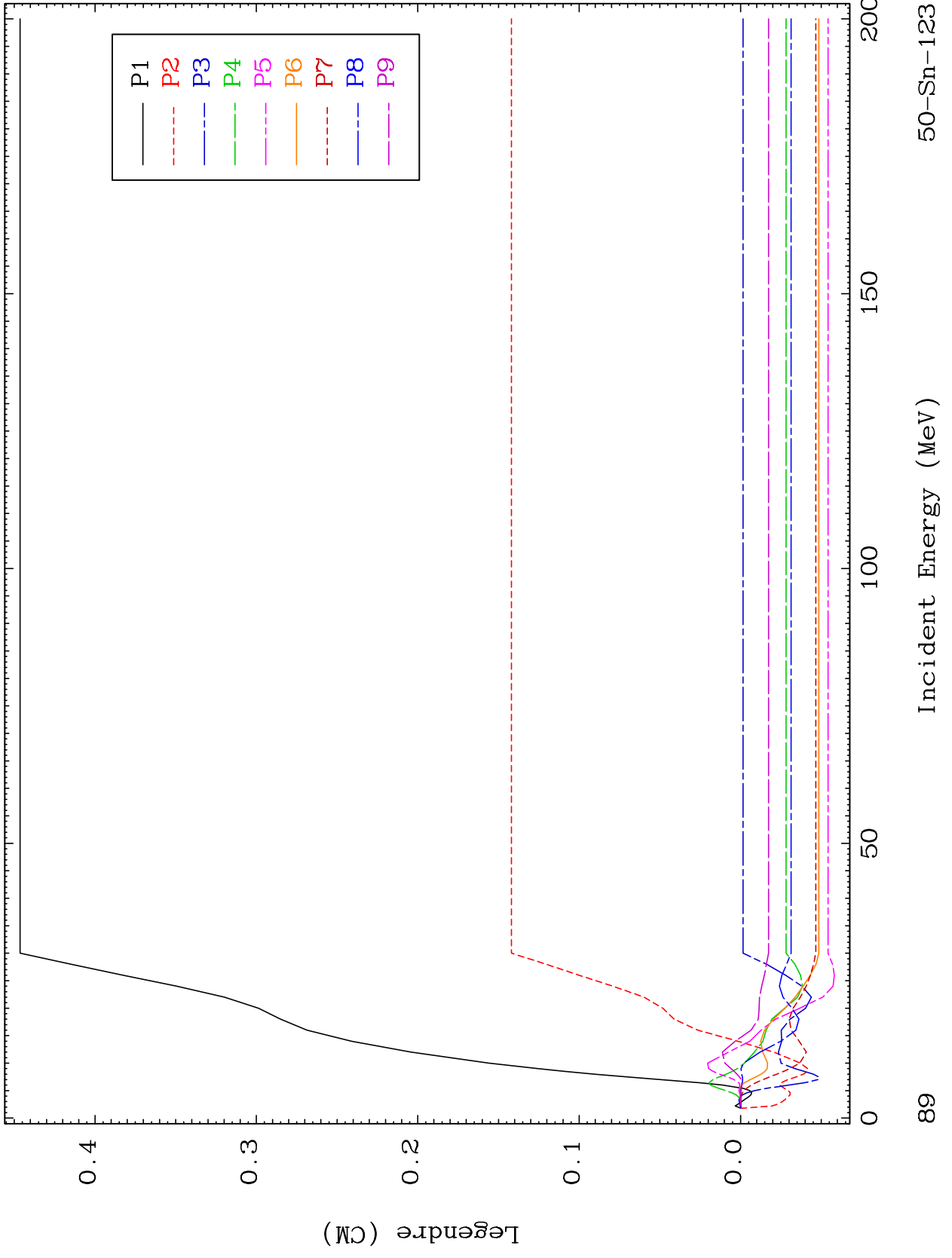
Incident Energy (MeV)

88

MAT 5058

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

50-Sn-123



89

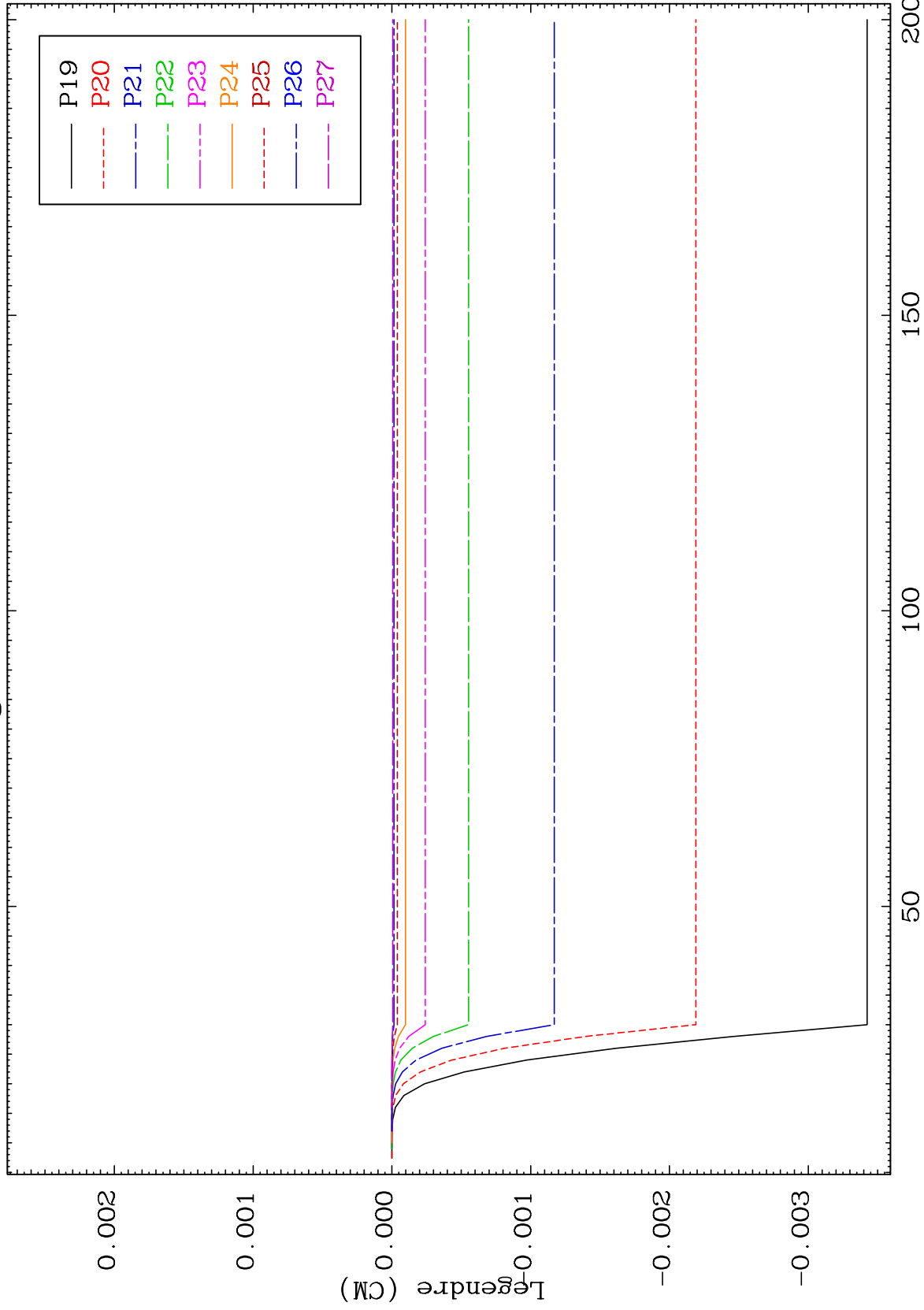
Incident Energy (MeV)

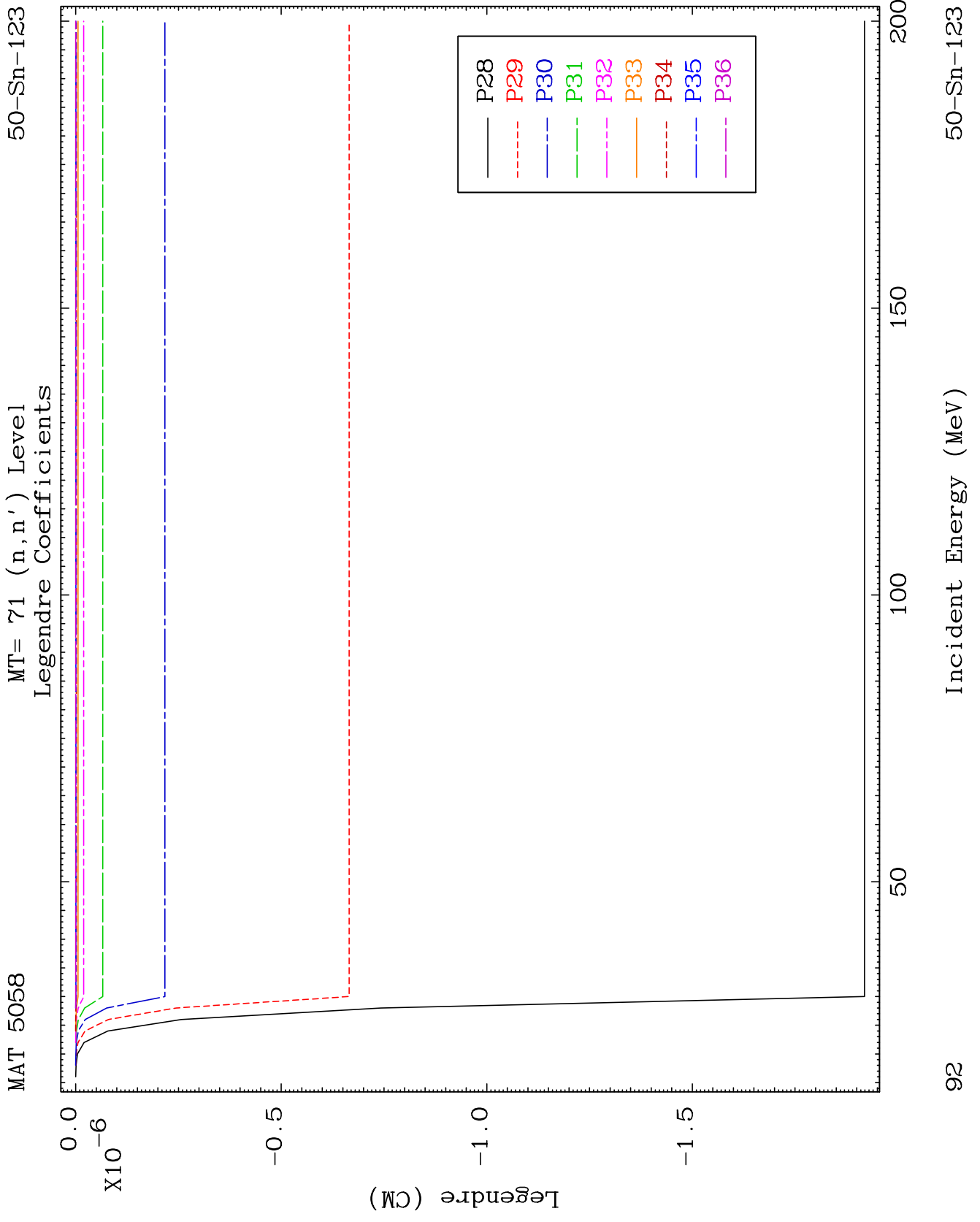
50-Sn-123

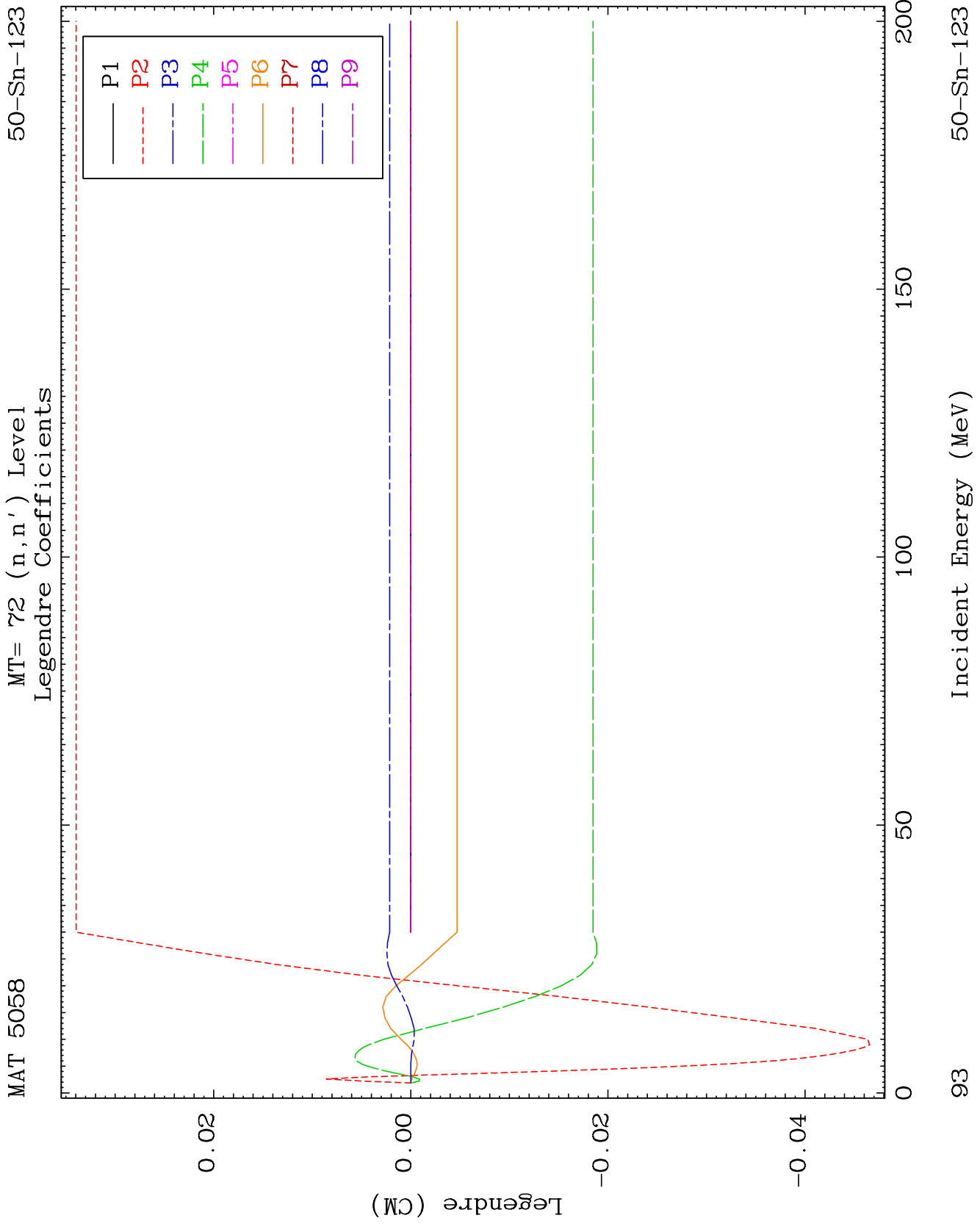
MAT 5058

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

50-Sn-123



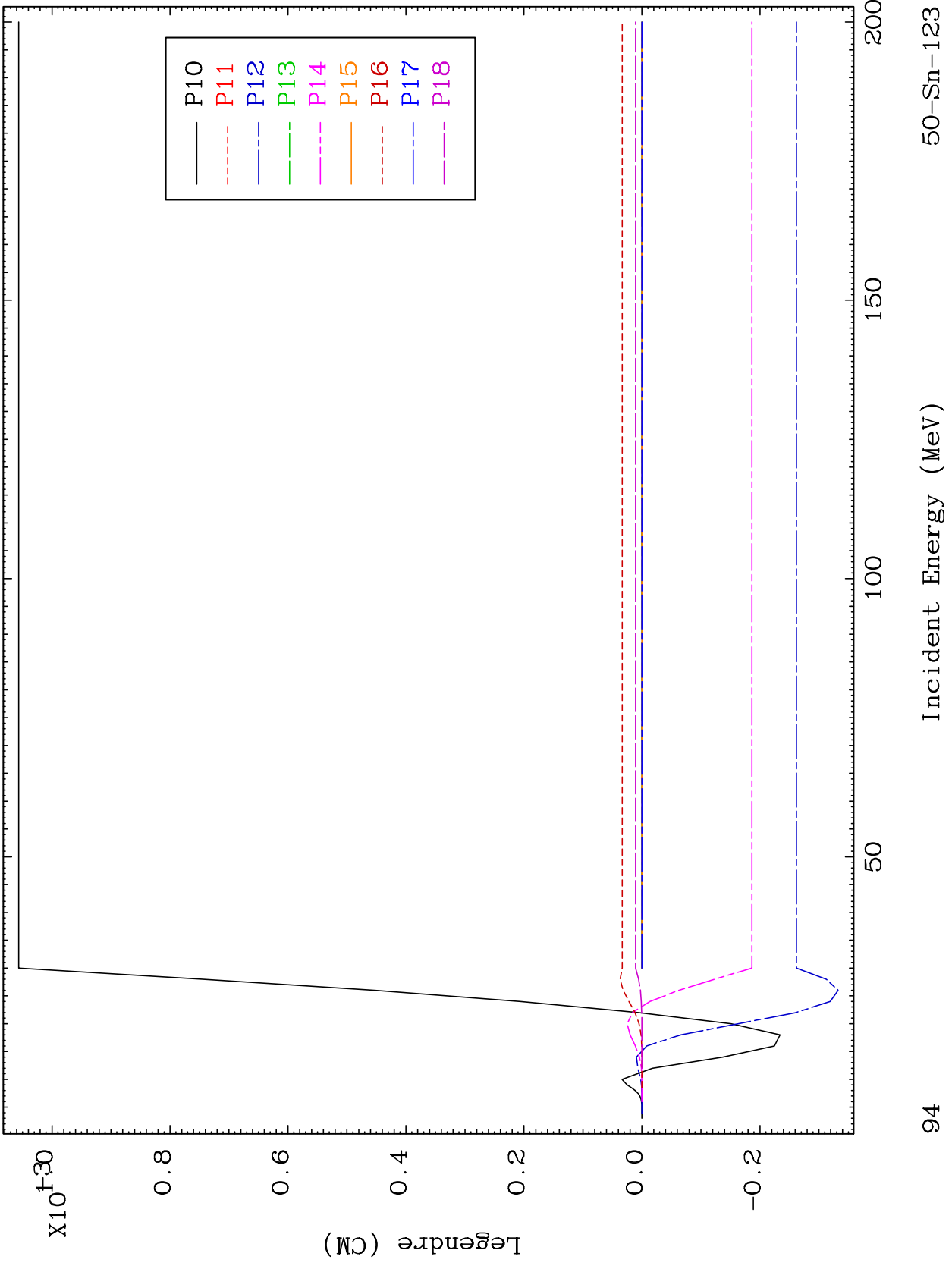




MAT 5058

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

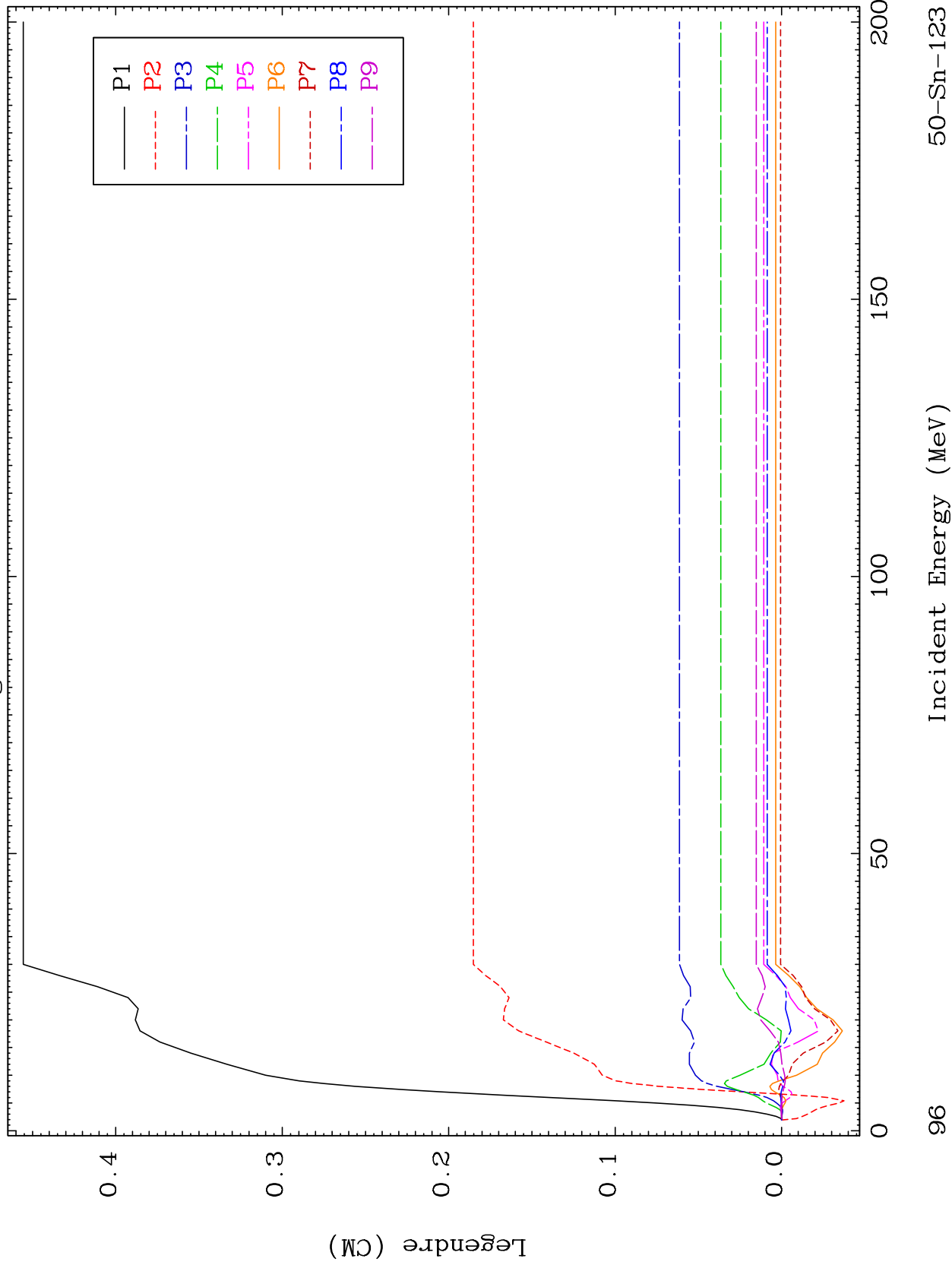
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

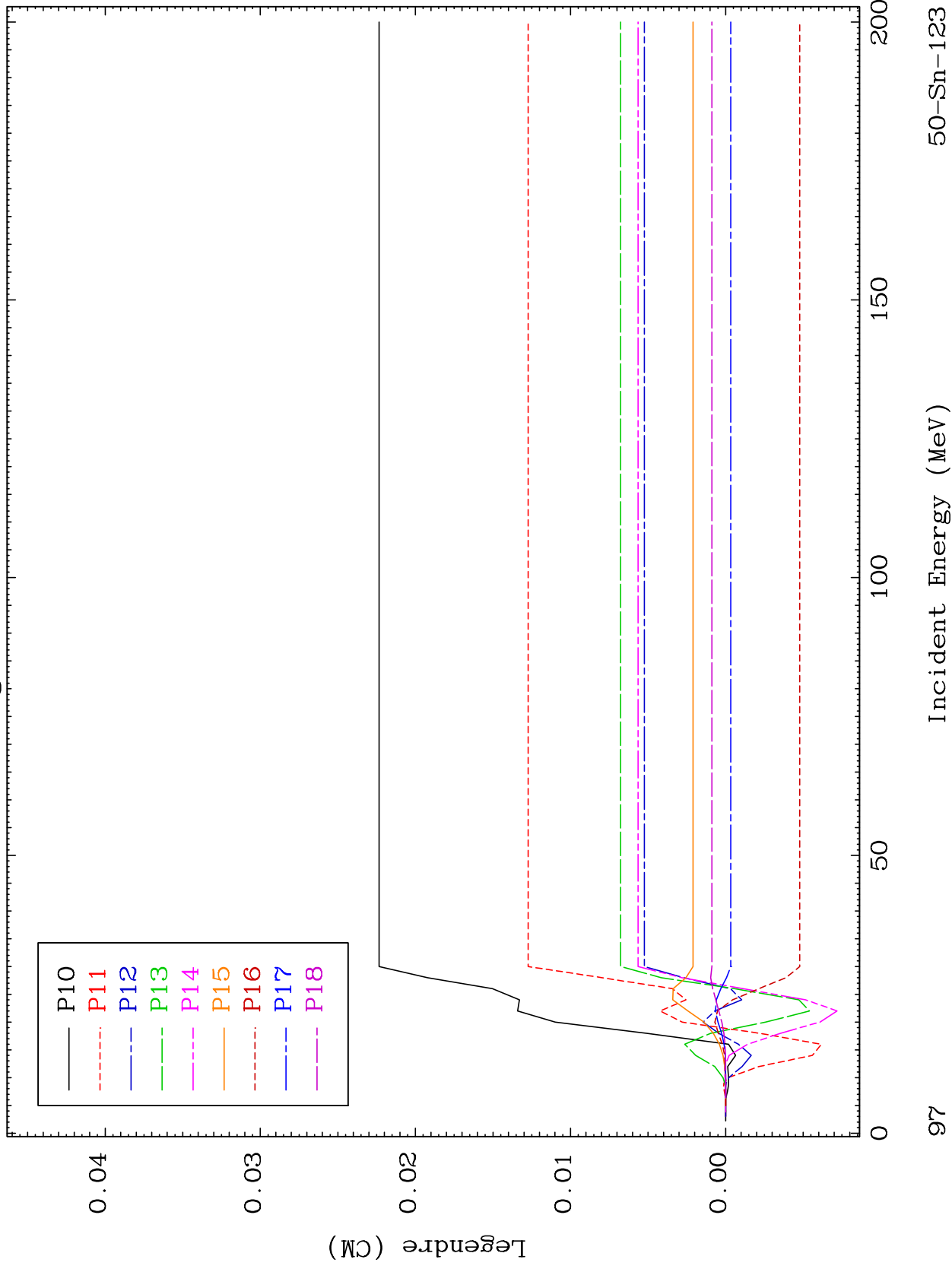
Incident Energy (MeV)

96

MAT 5058

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

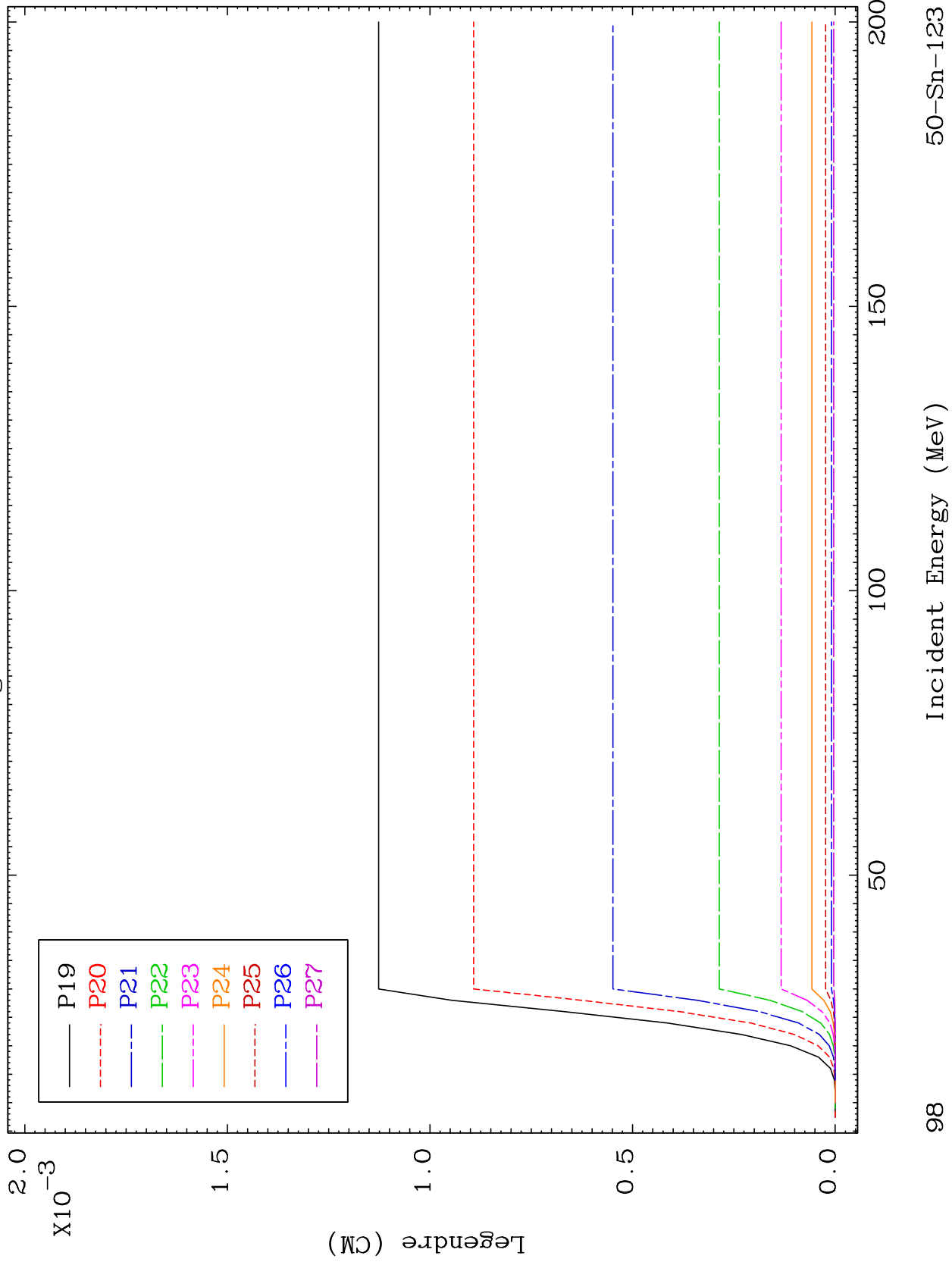
50-Sn-123



MAT 5058

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

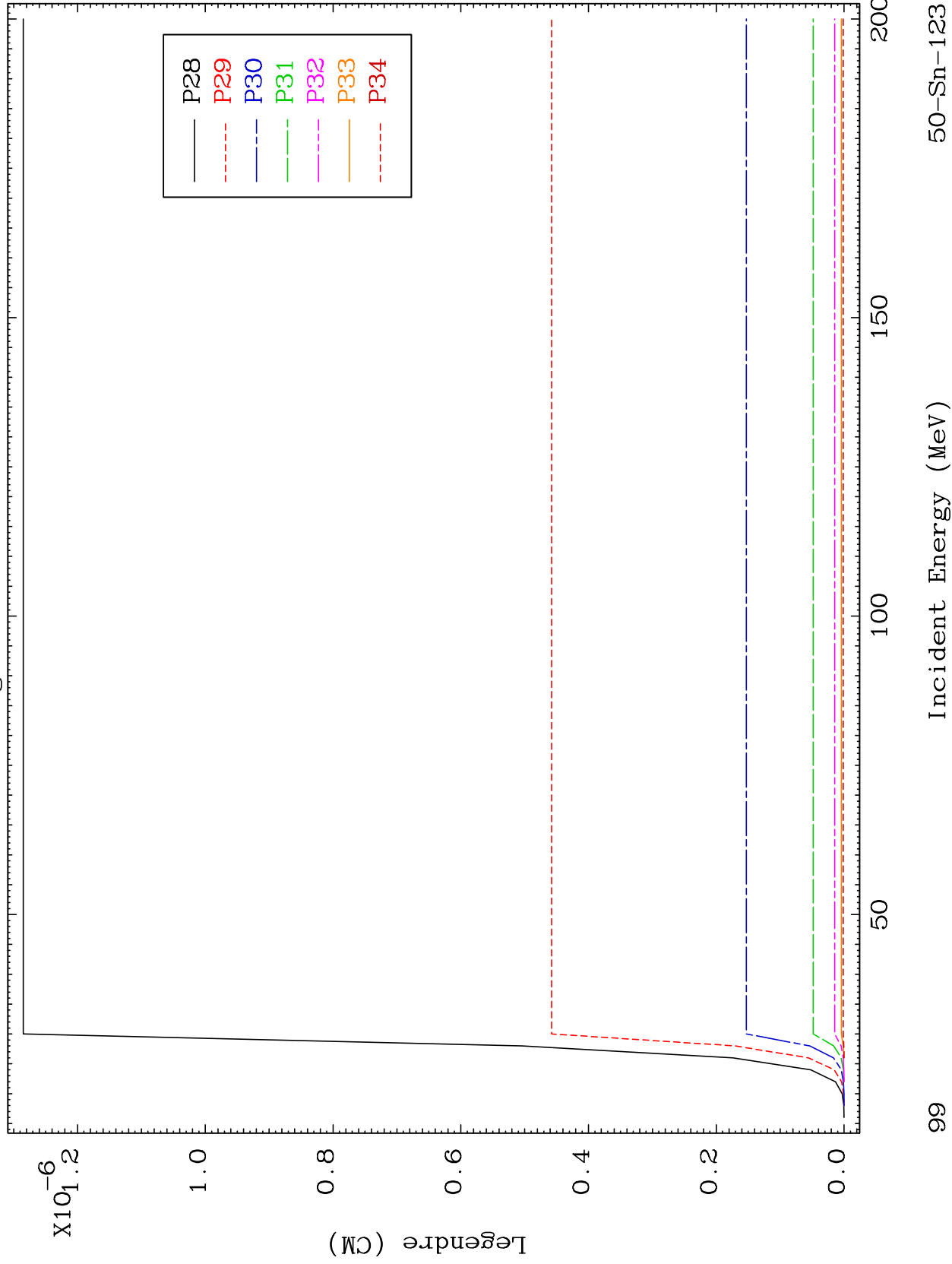
50-Sn-123



MAT 5058

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

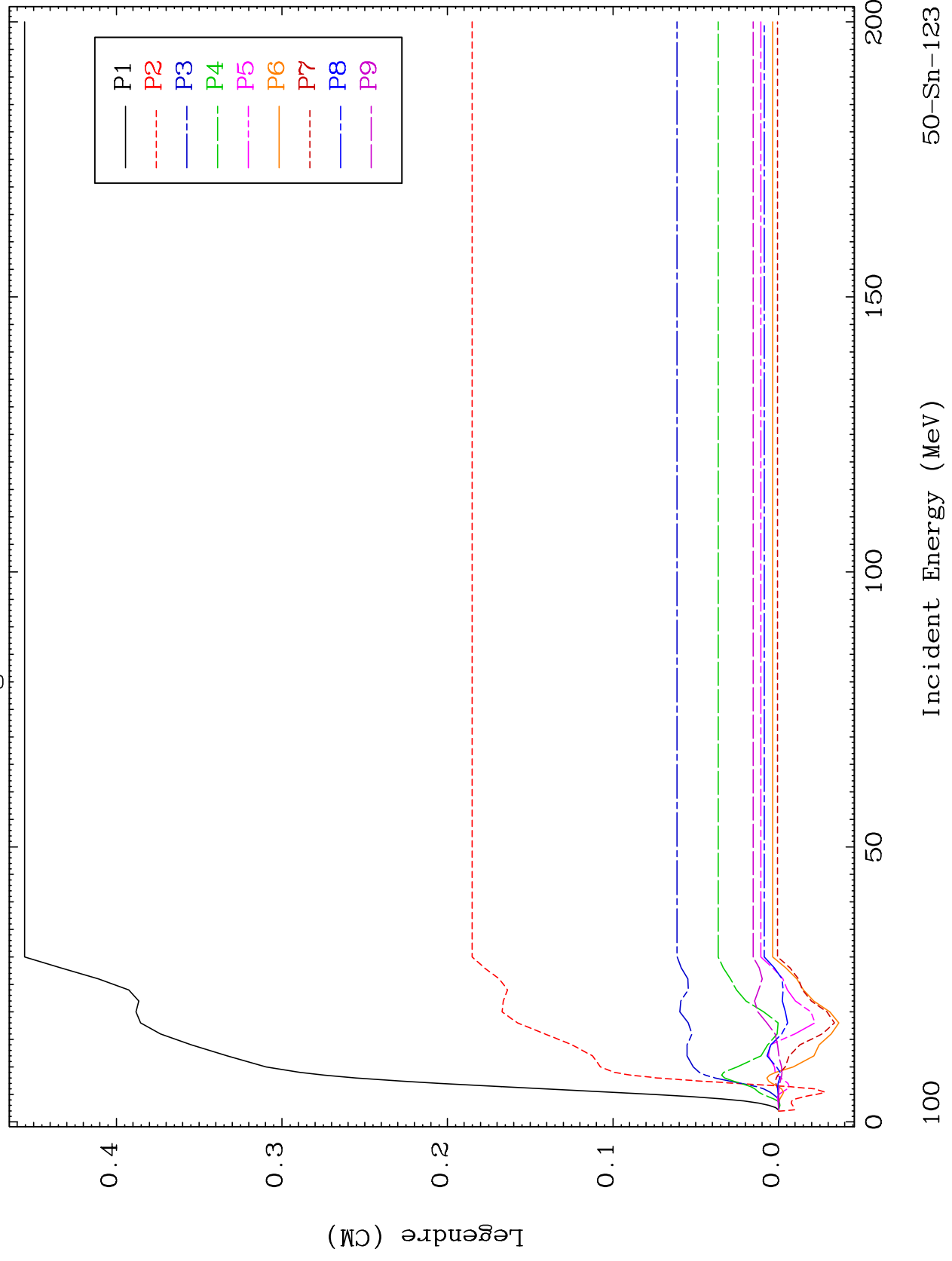
50-Sn-123



MAT 5058

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

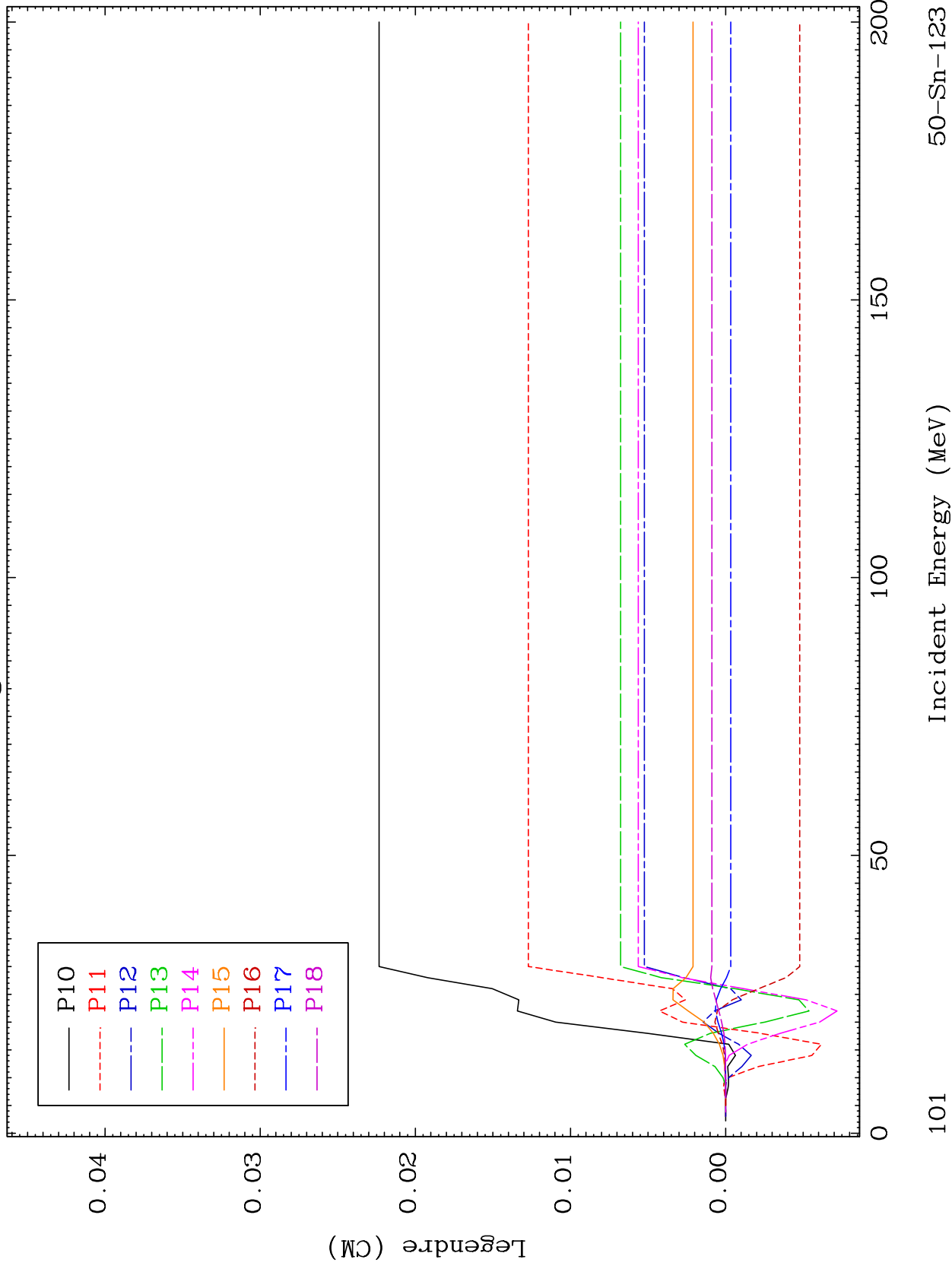
50-Sn-123



MAT 5058

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

50-Sn-123



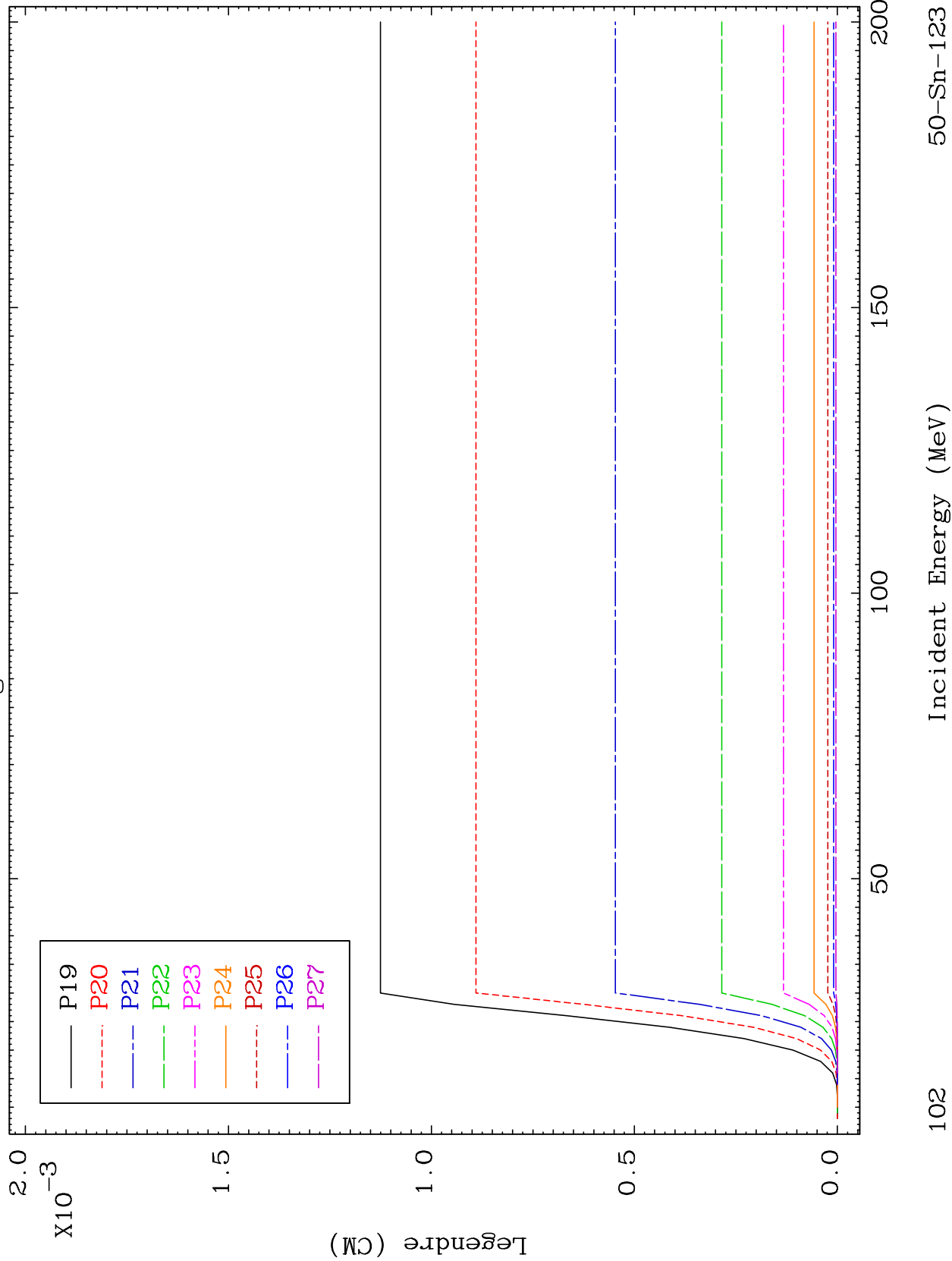
101

50-Sn-123

MAT 5058

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

50-Sn-123



102

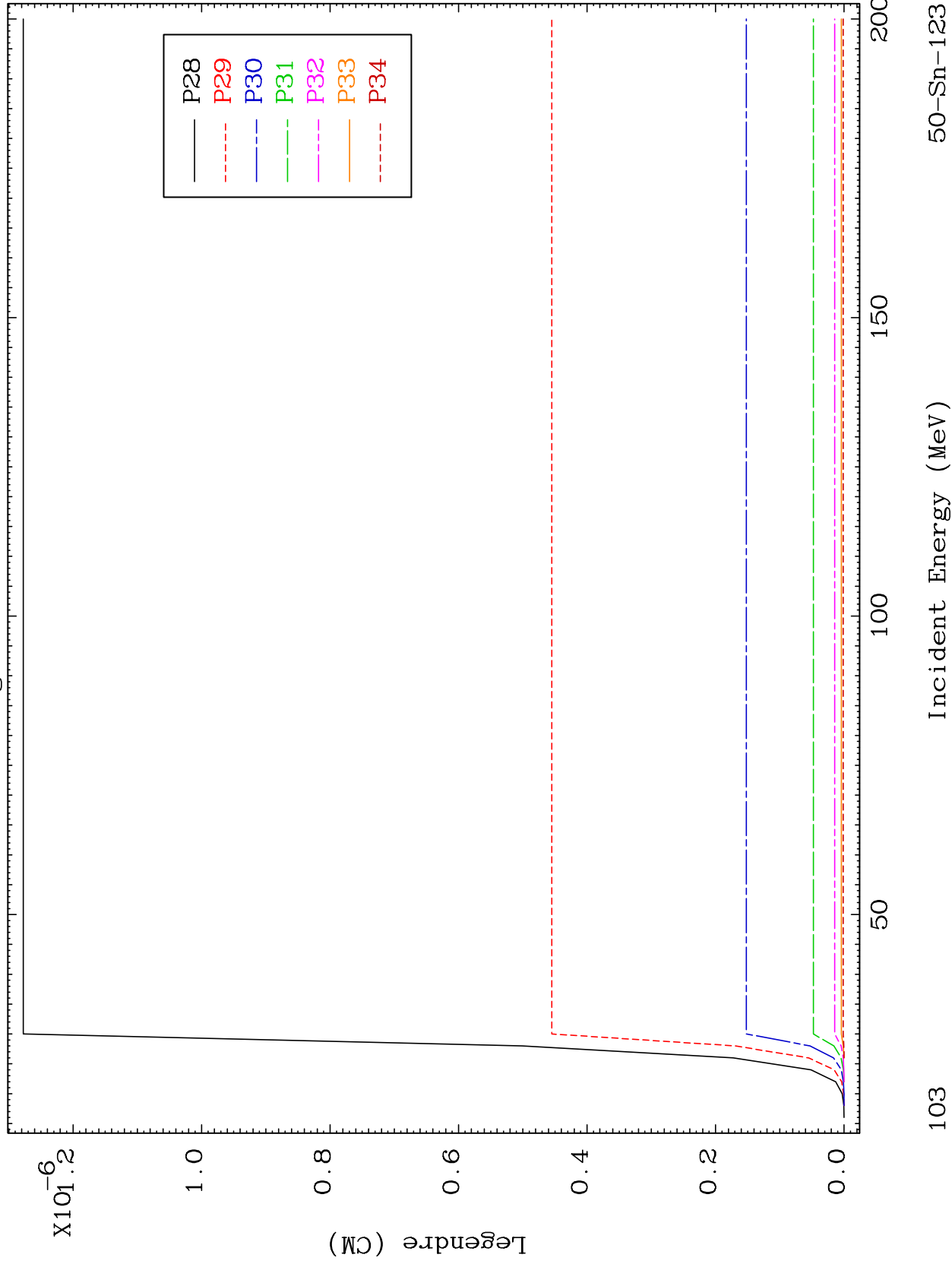
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

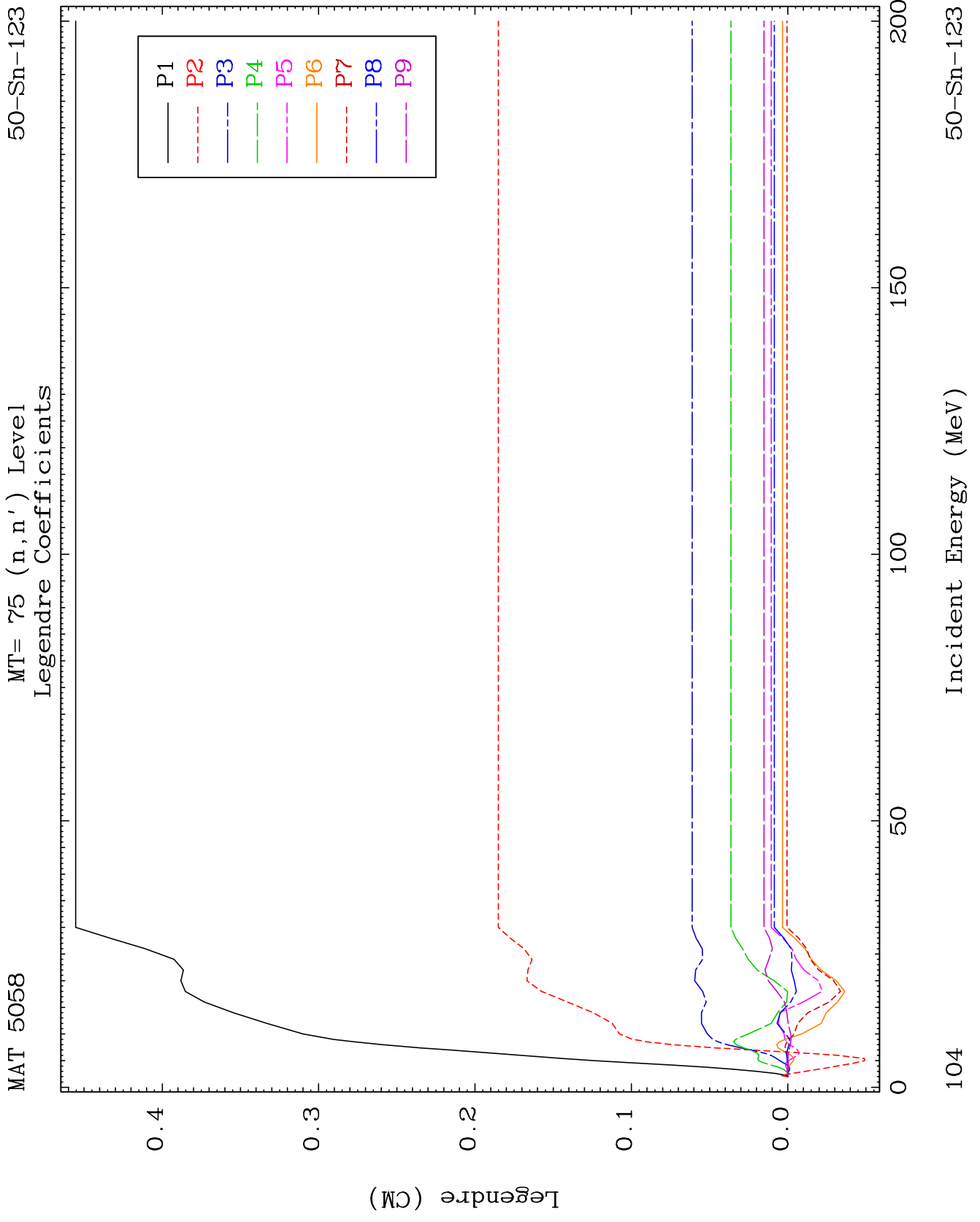
50-Sn-123



103

Incident Energy (MeV)

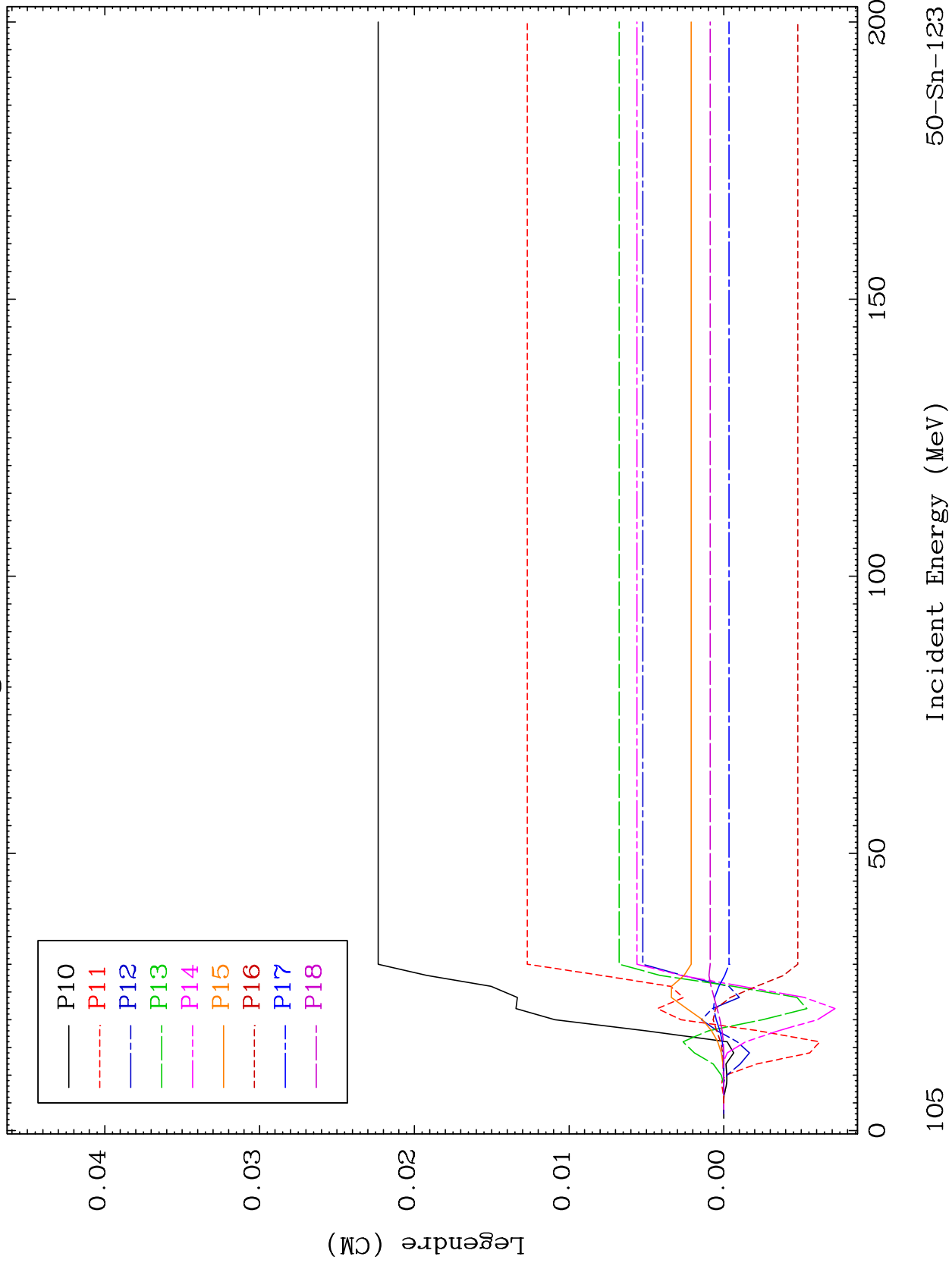
50-Sn-123



MAT 5058

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

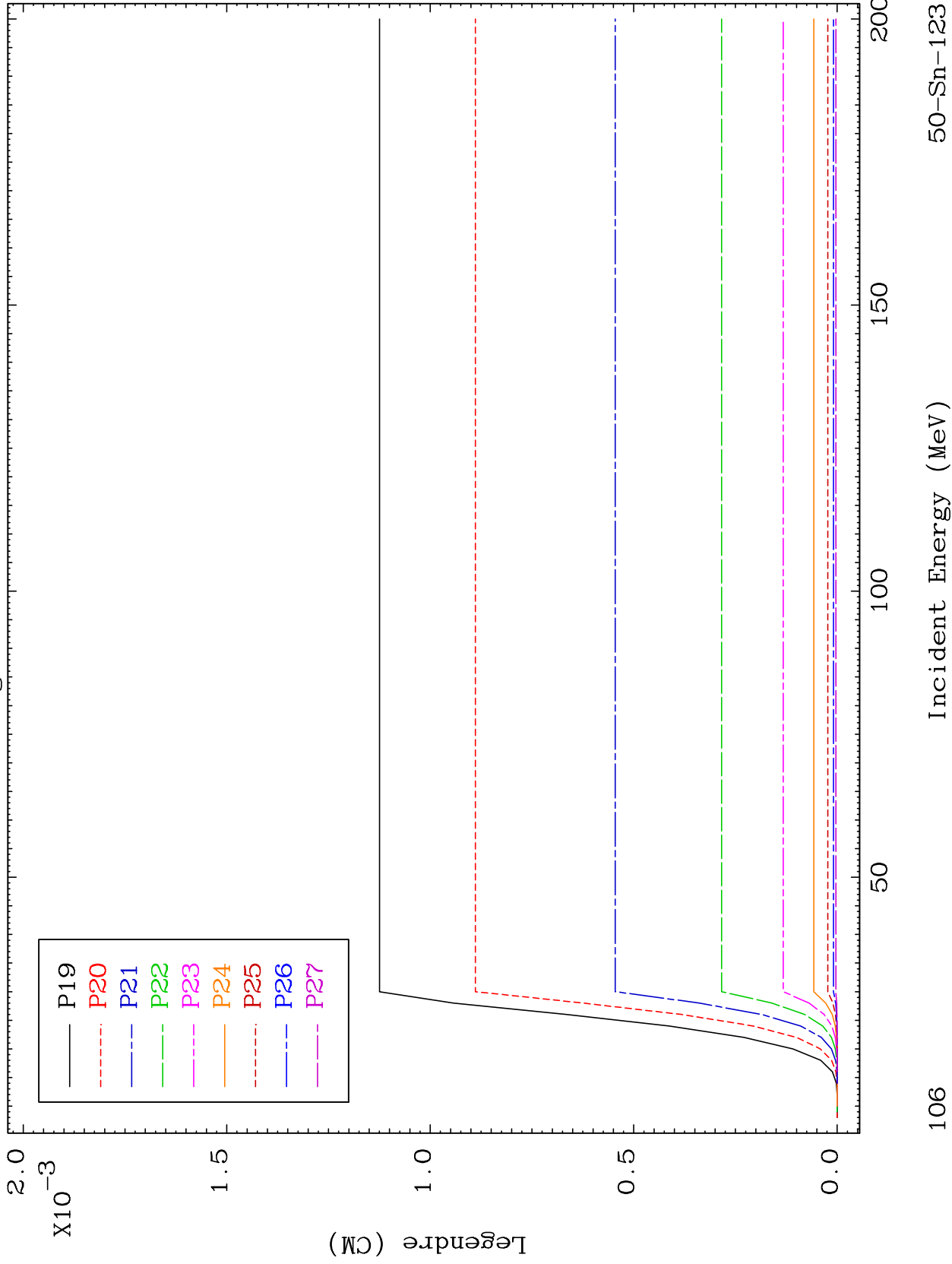
50-Sn-123



MAT 5058

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

50-Sn-123

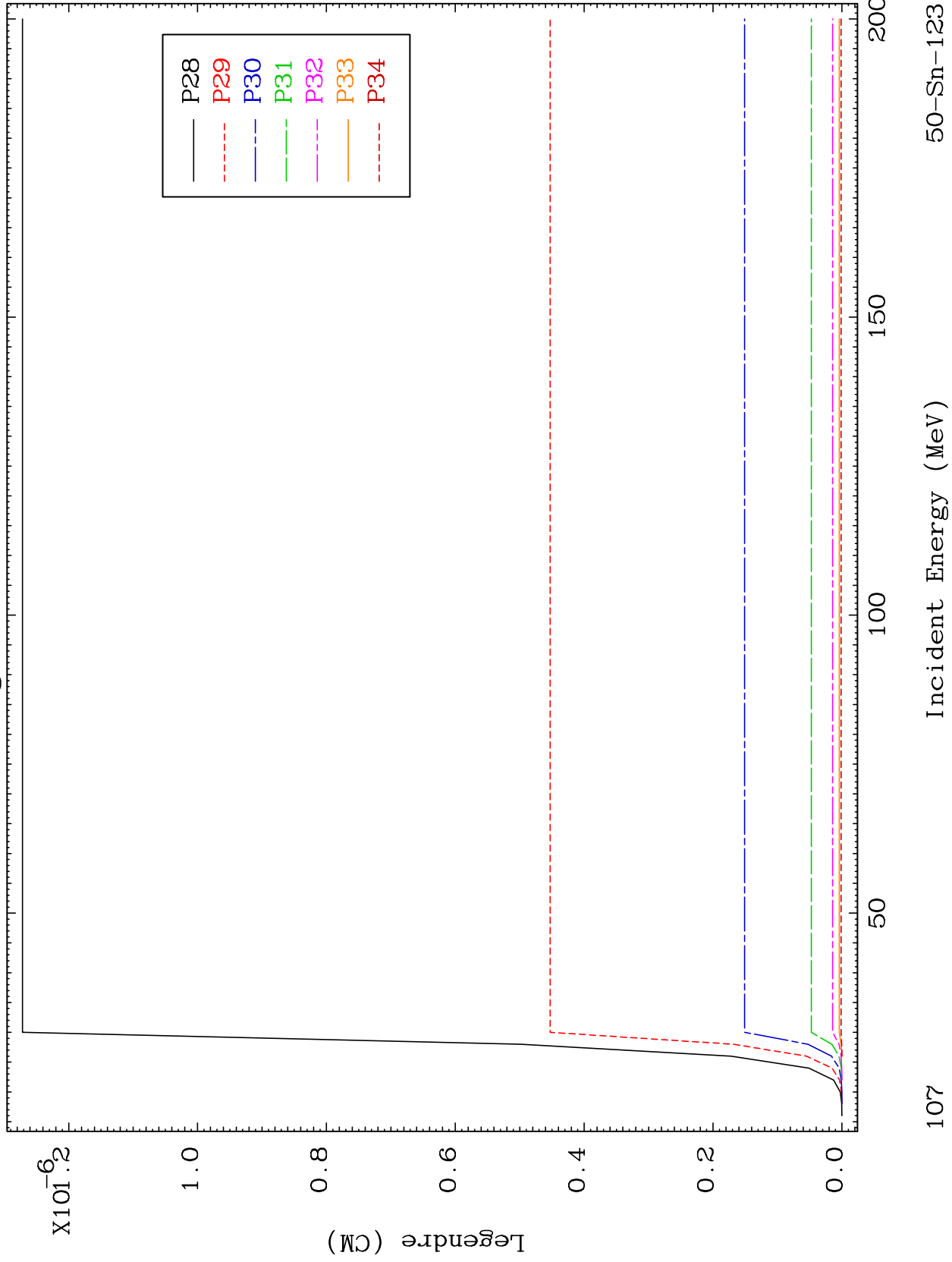


106

MAT 5058

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

50-Sn-123

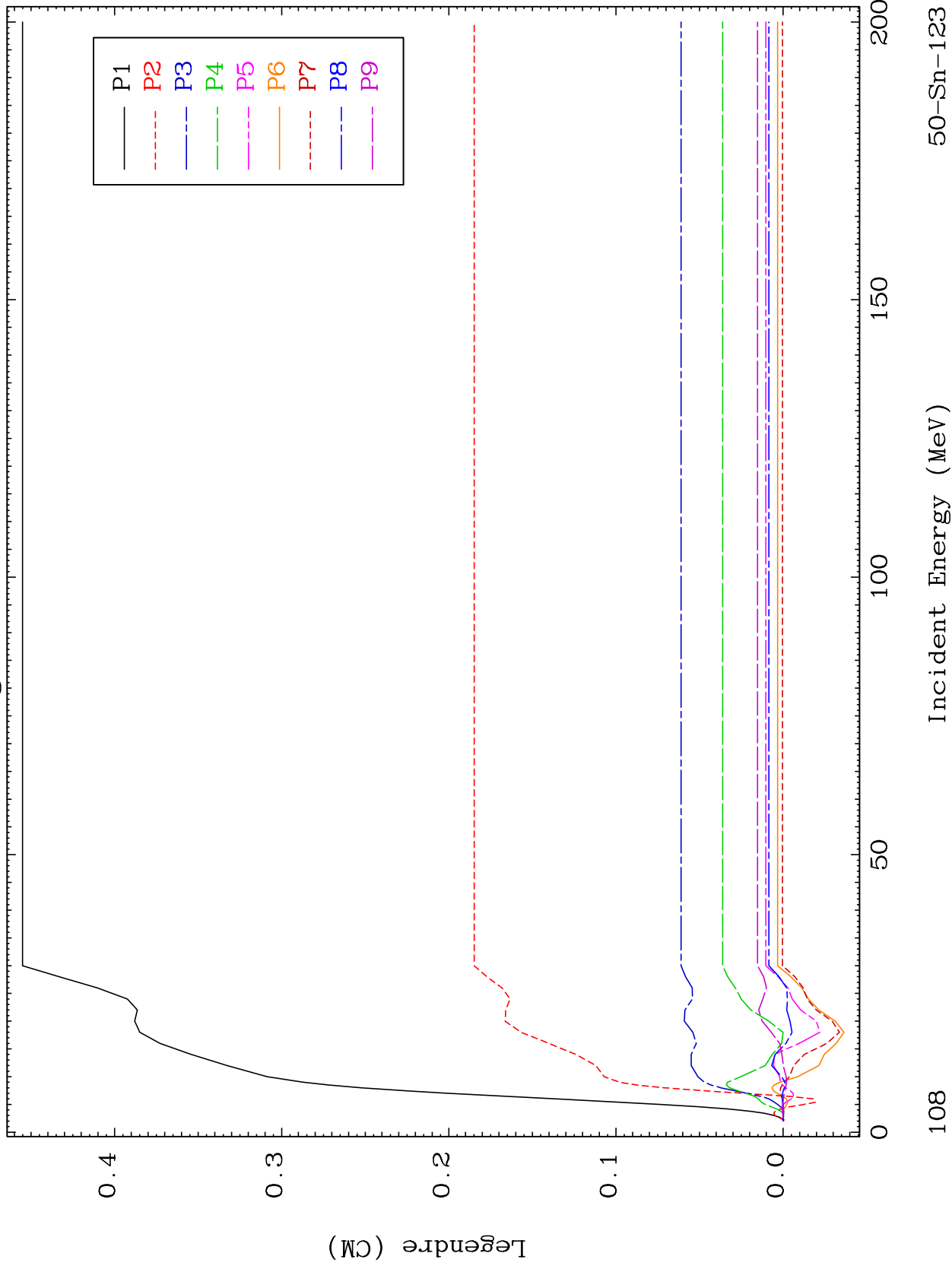


107

MAT 5058

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

50-Sn-123



50-Sn-123

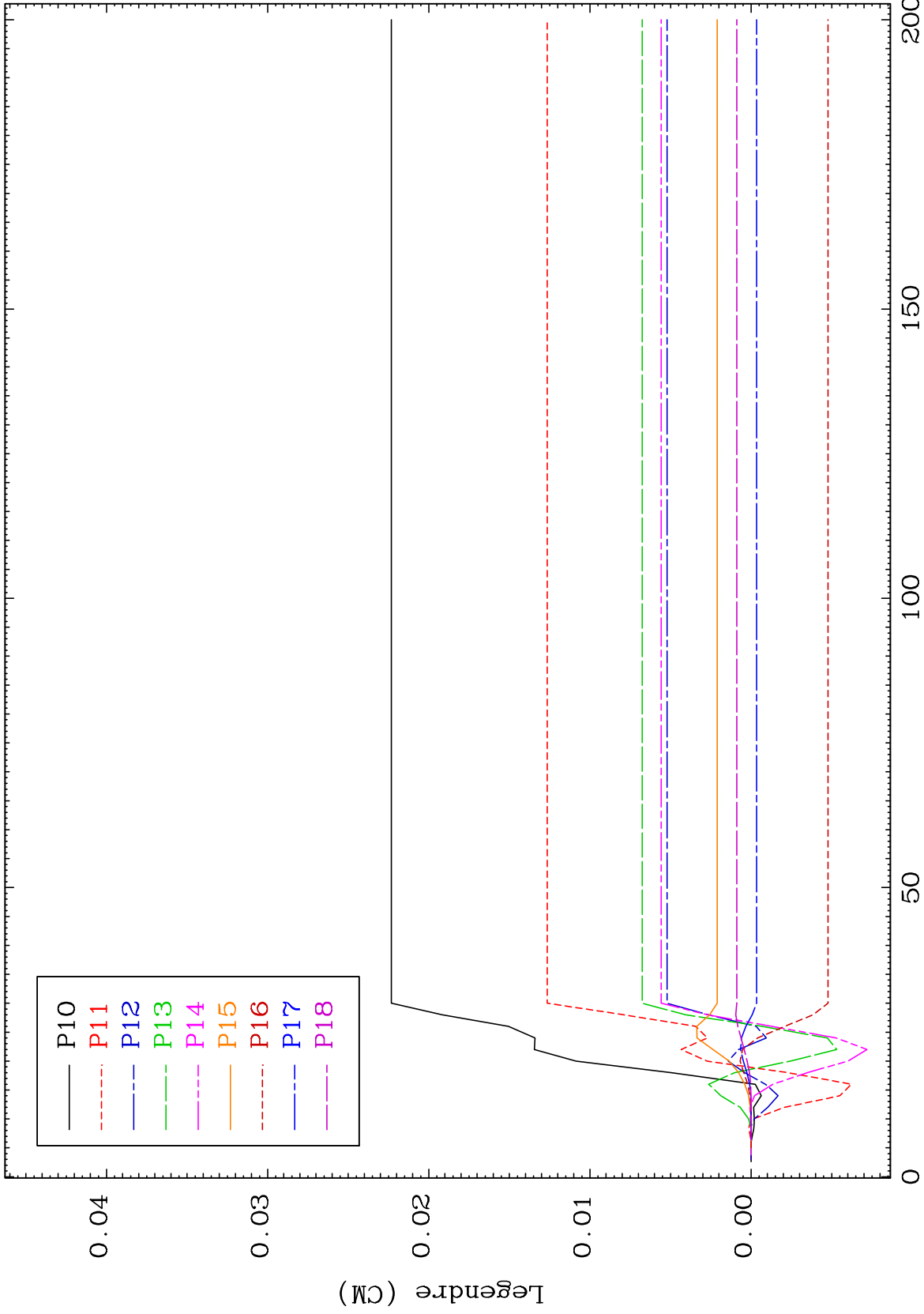
Incident Energy (MeV)

108

MAT 5058

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

50-Sn-123



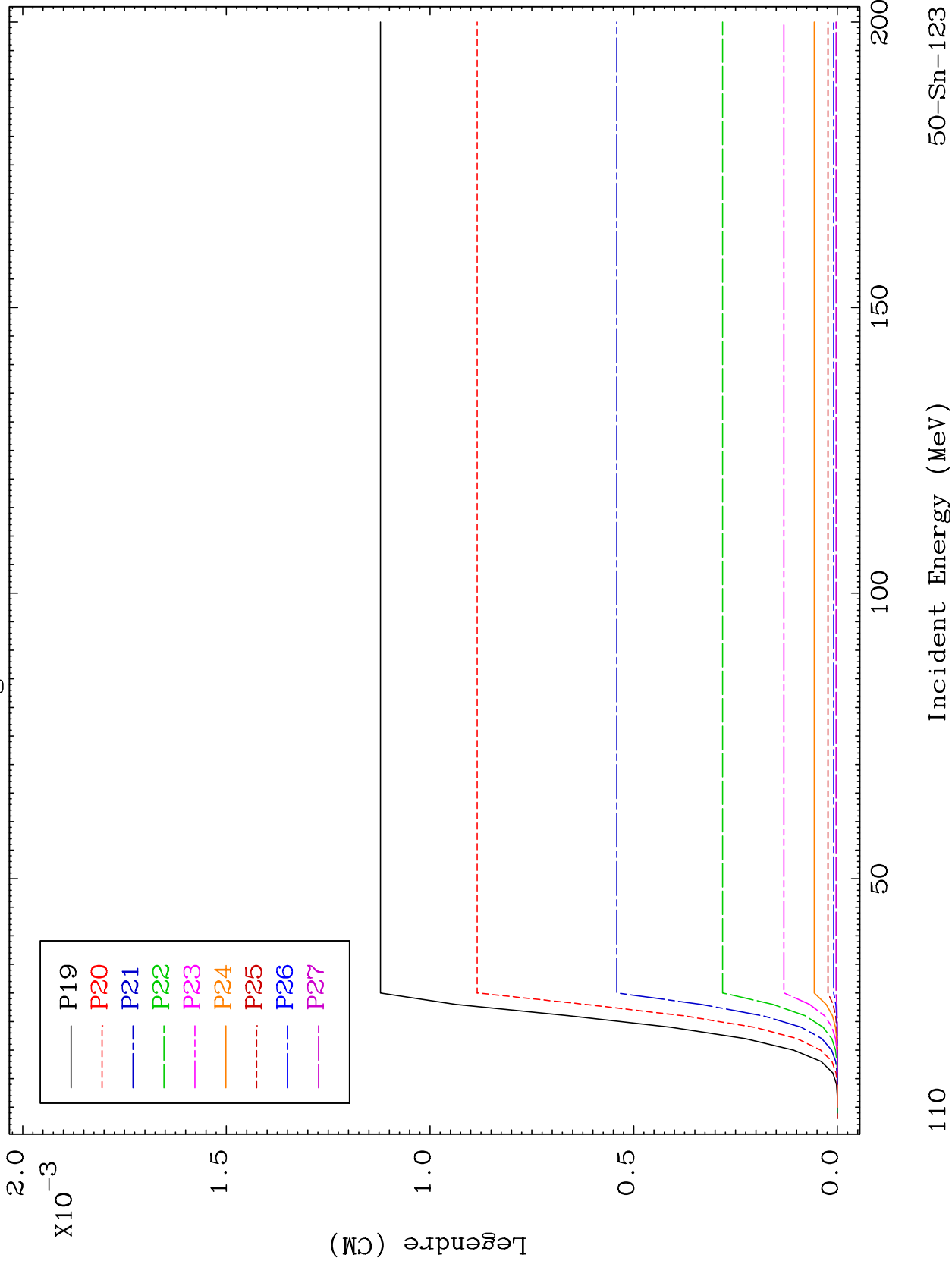
109

50-Sn-123

MAT 5058

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

50-Sn-123



110

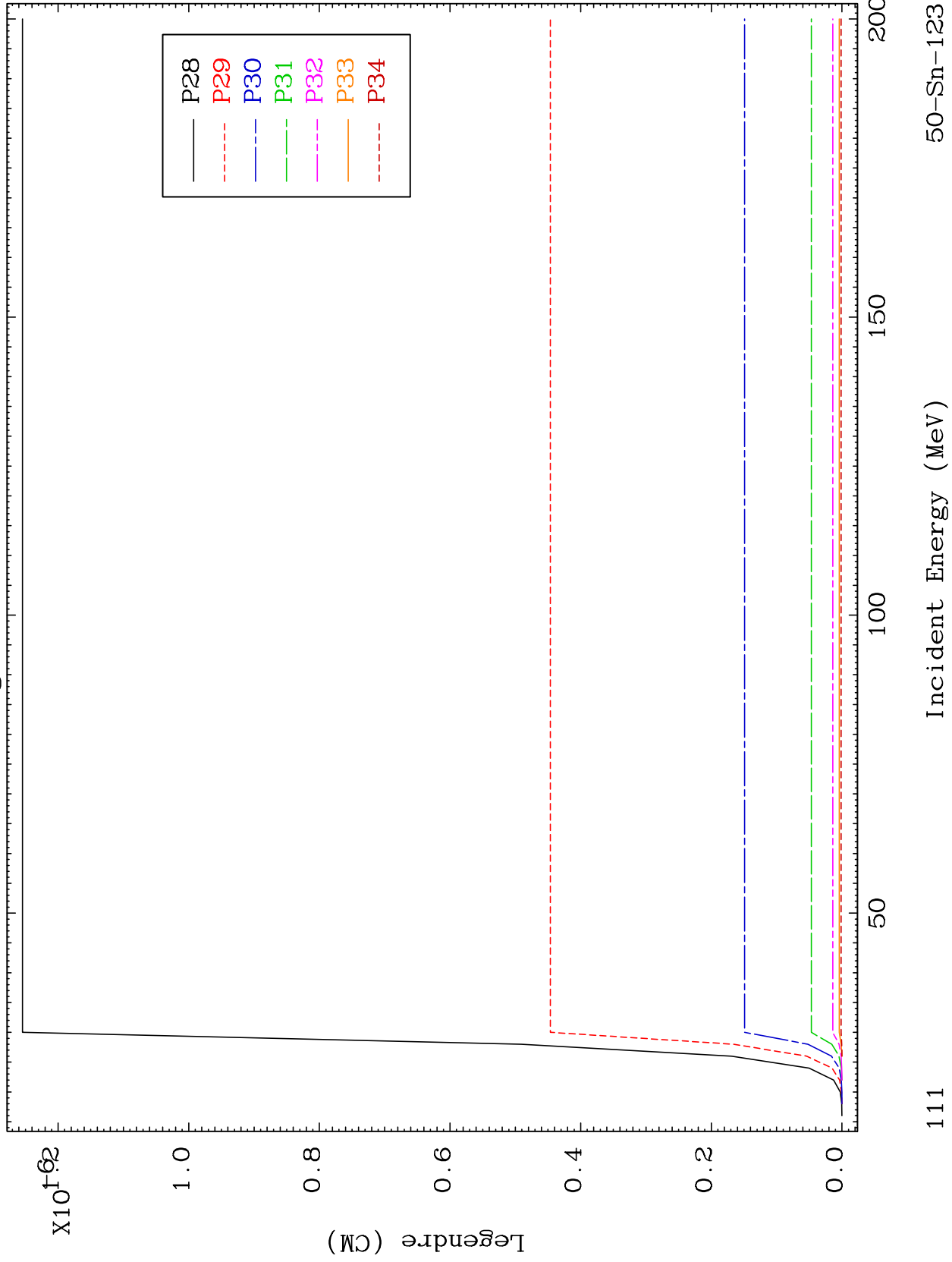
Incident Energy (MeV)

50-Sn-123

MAT 5058

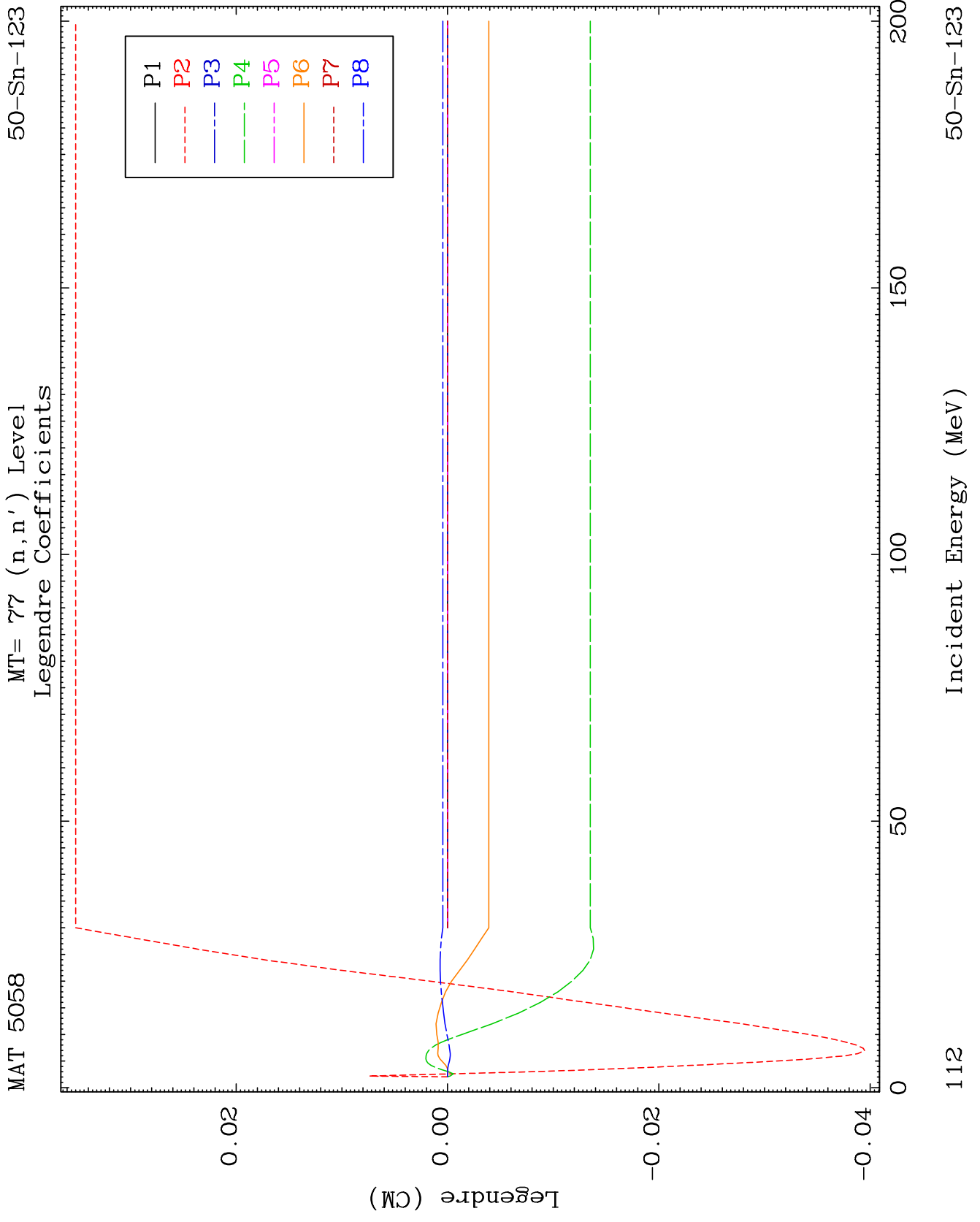
MT= 76 (n,n') Level
Legendre Coefficients

50-Sn-123



111

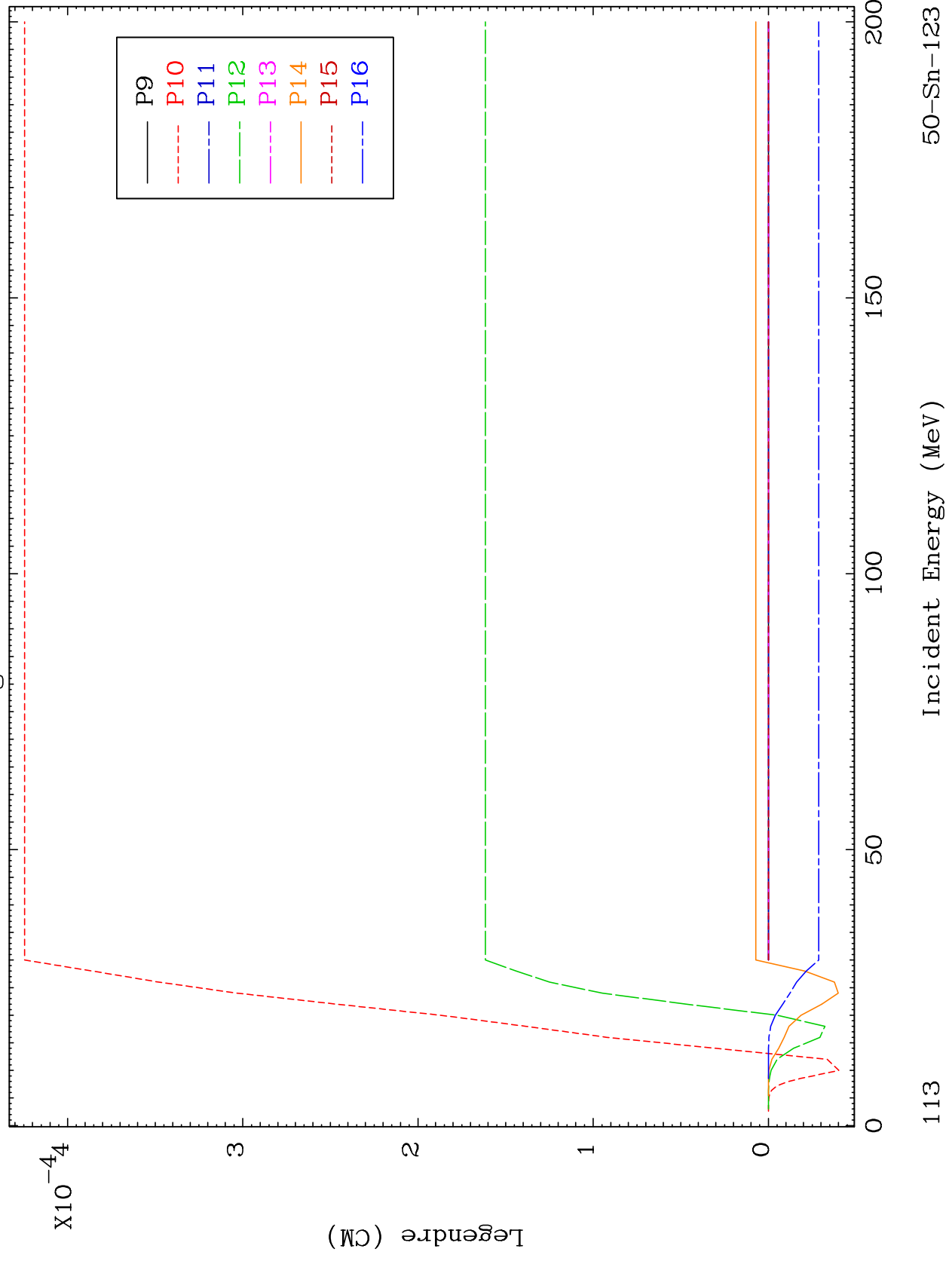
50-Sn-123

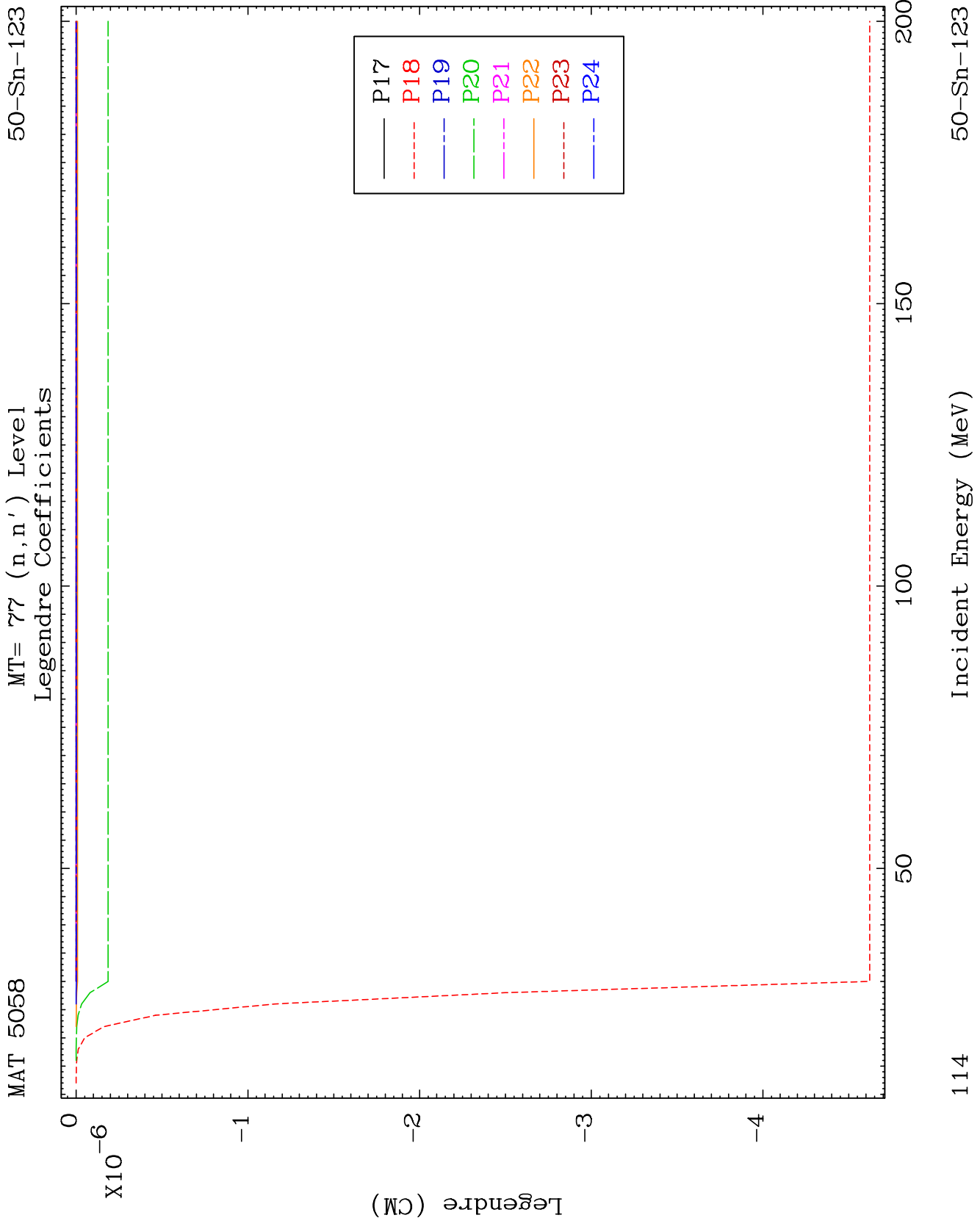


MAT 5058

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

50-Sn-123

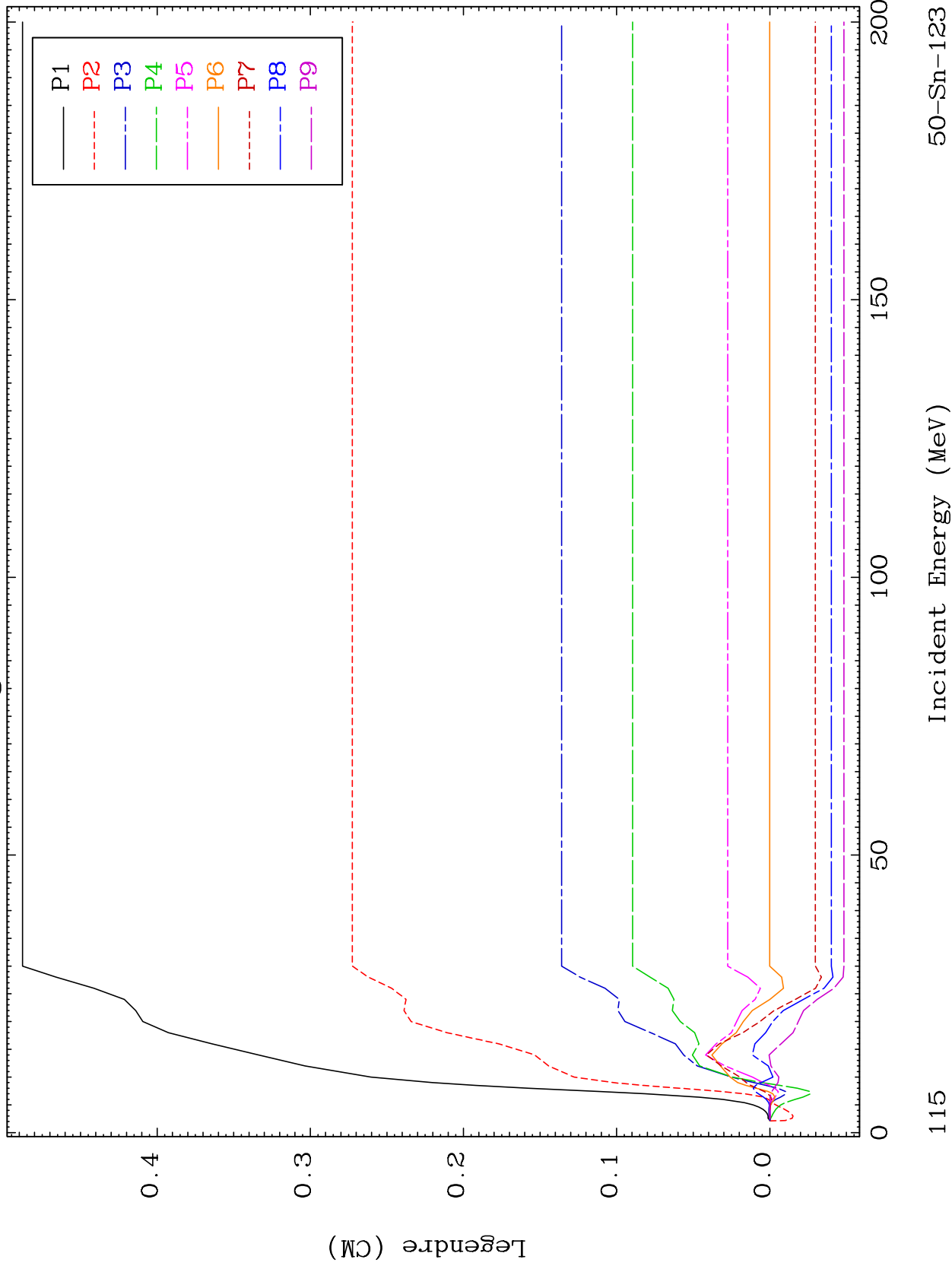




MAT 5058

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

50-Sn-123



115

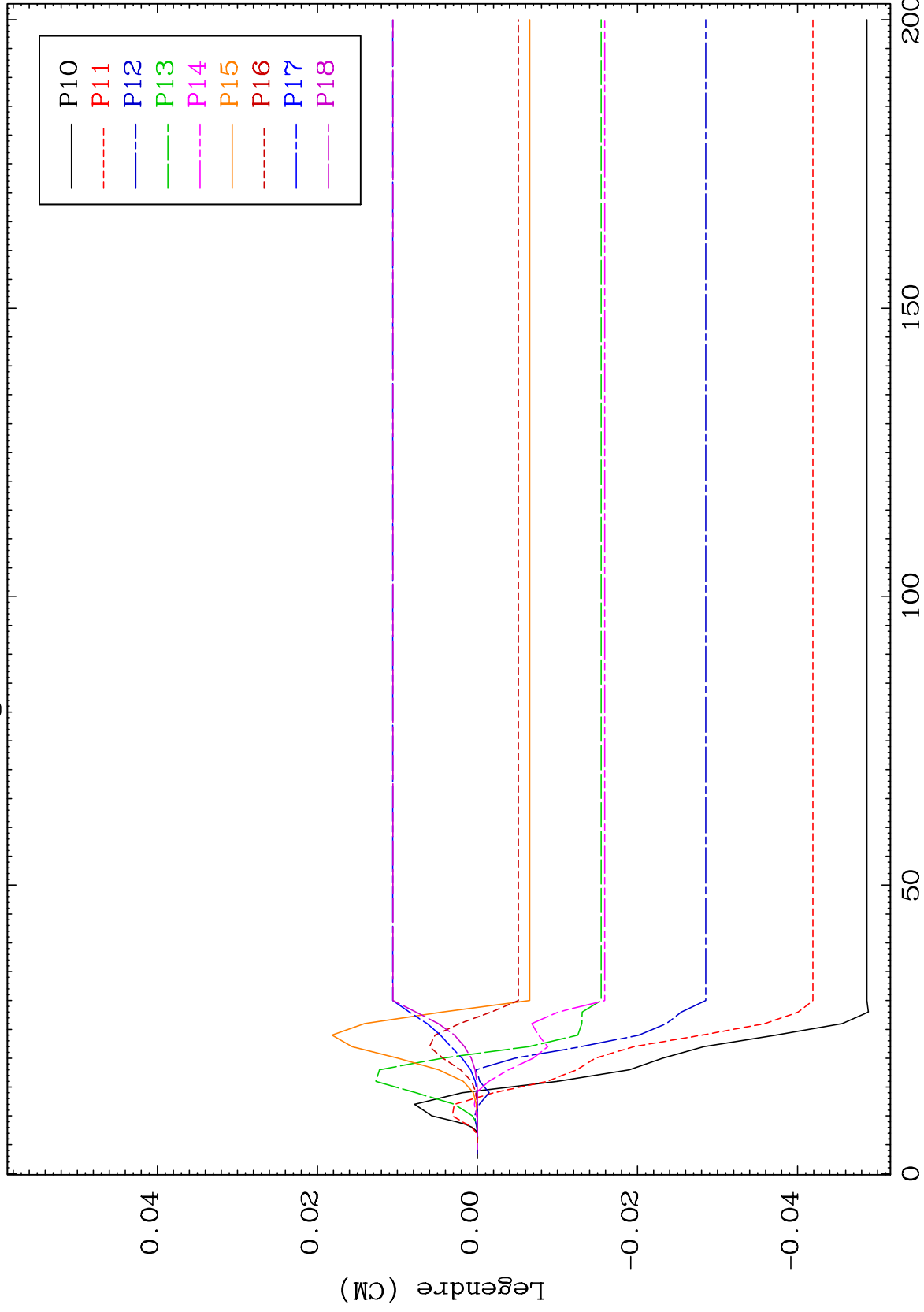
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



116

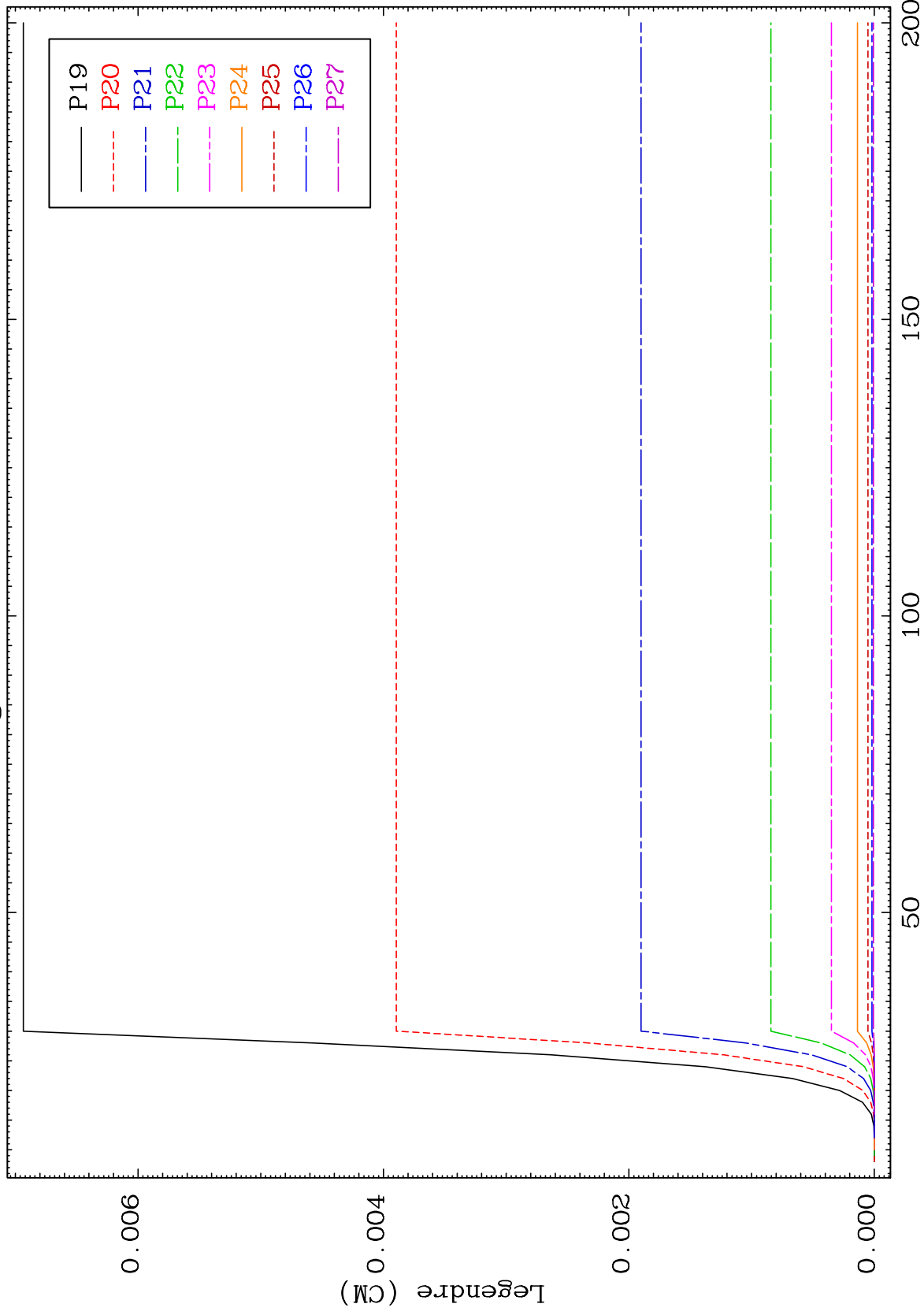
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



117

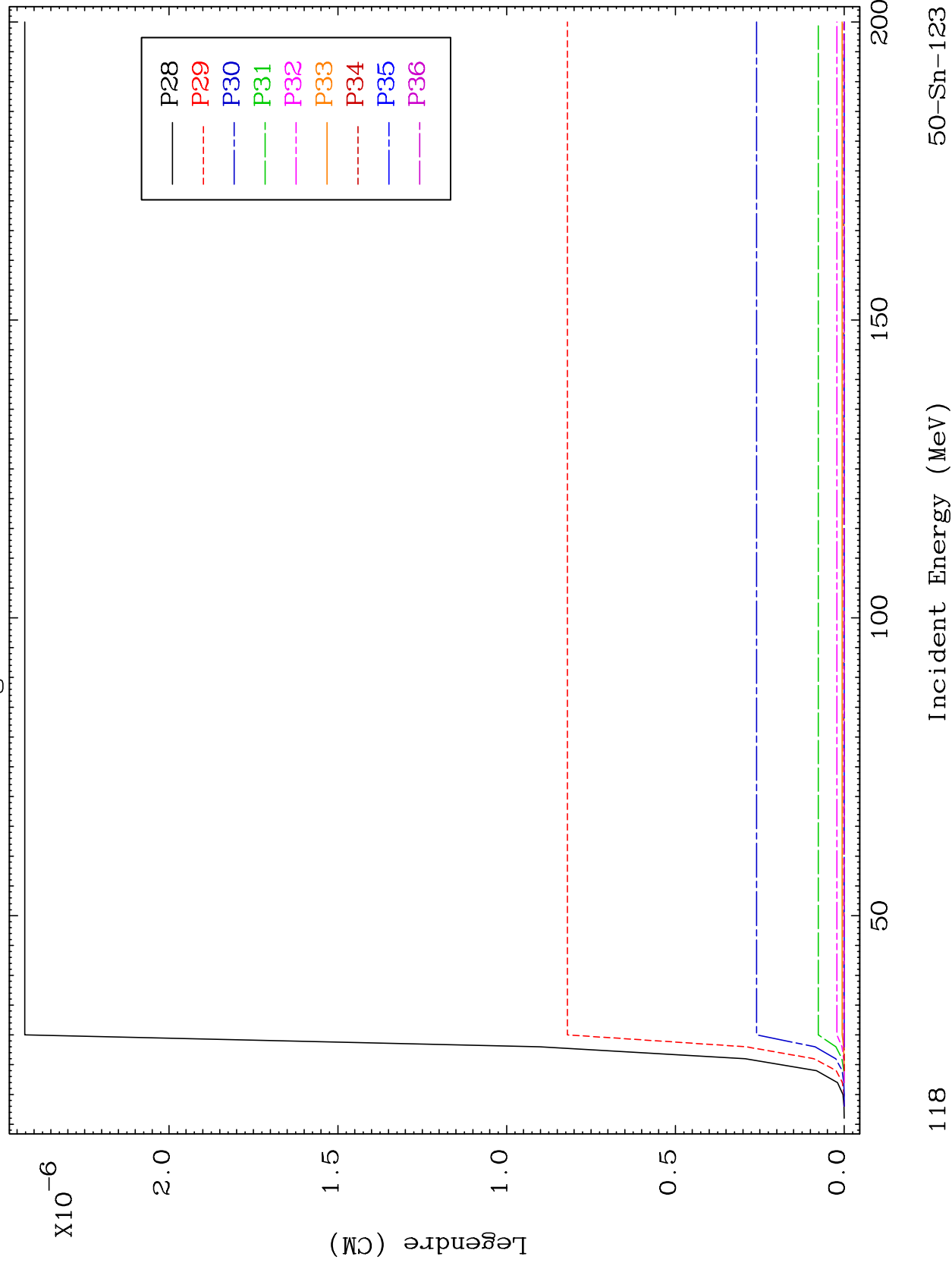
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123

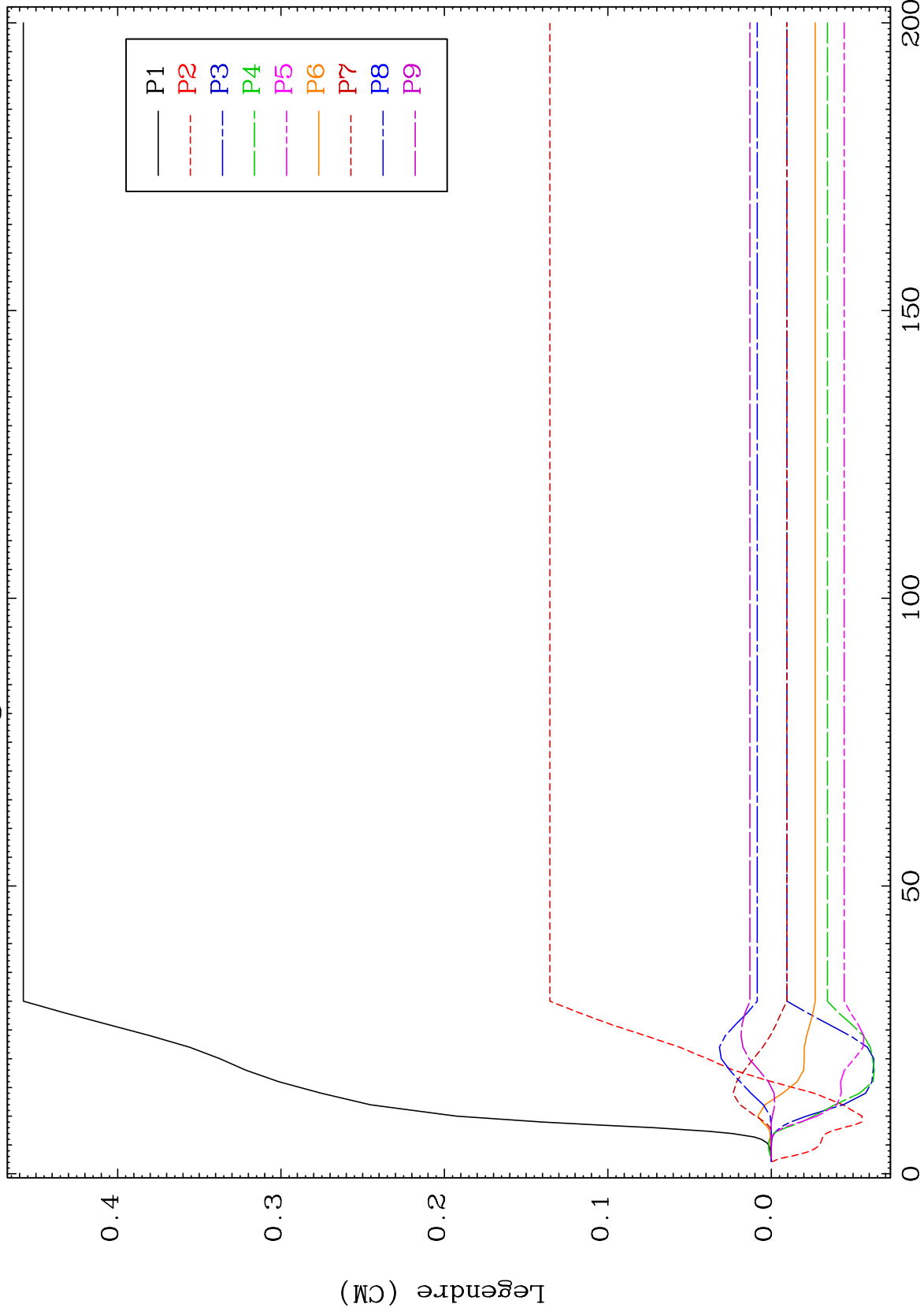


118

MAT 5058

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

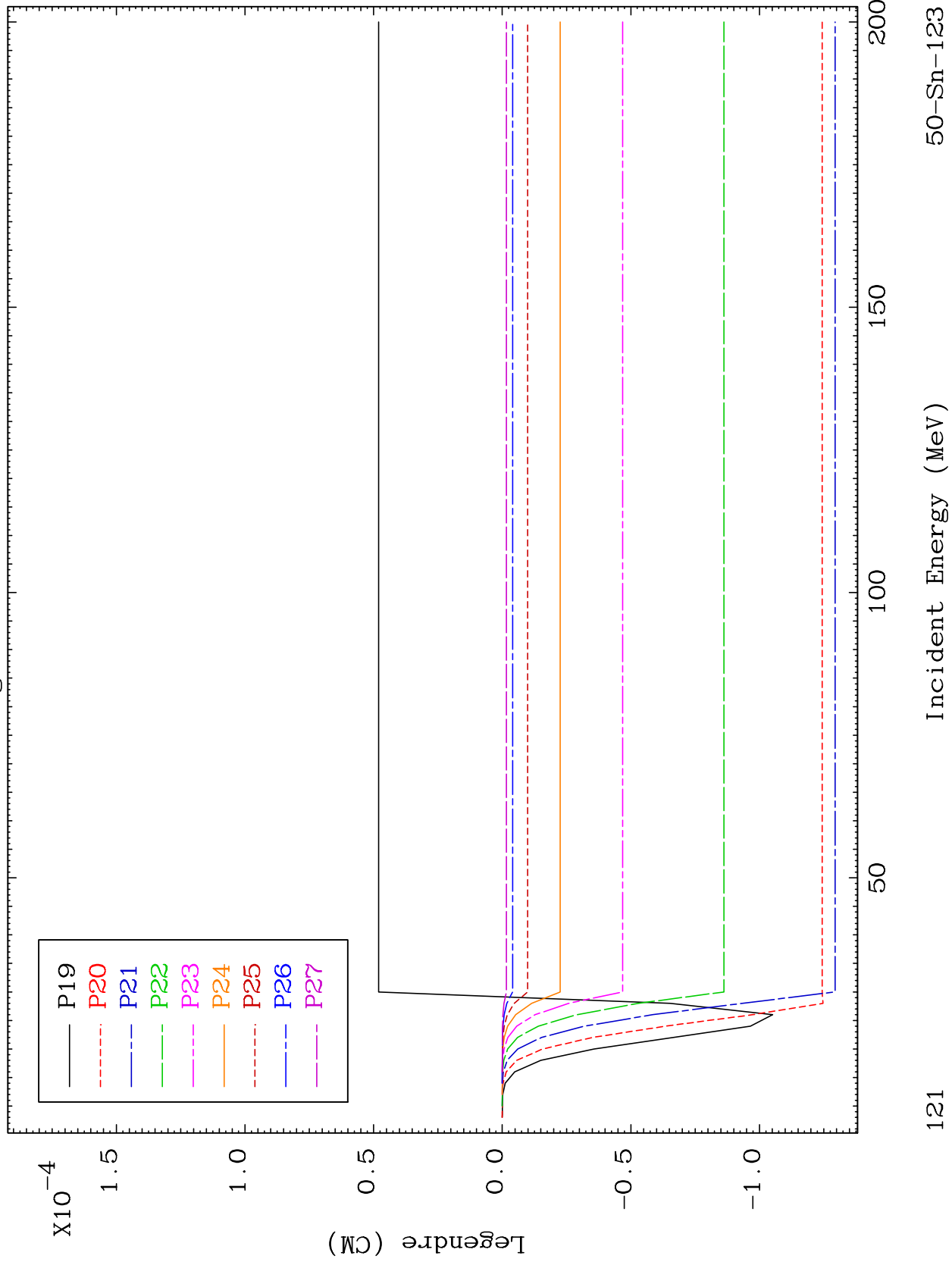
50-Sn-123

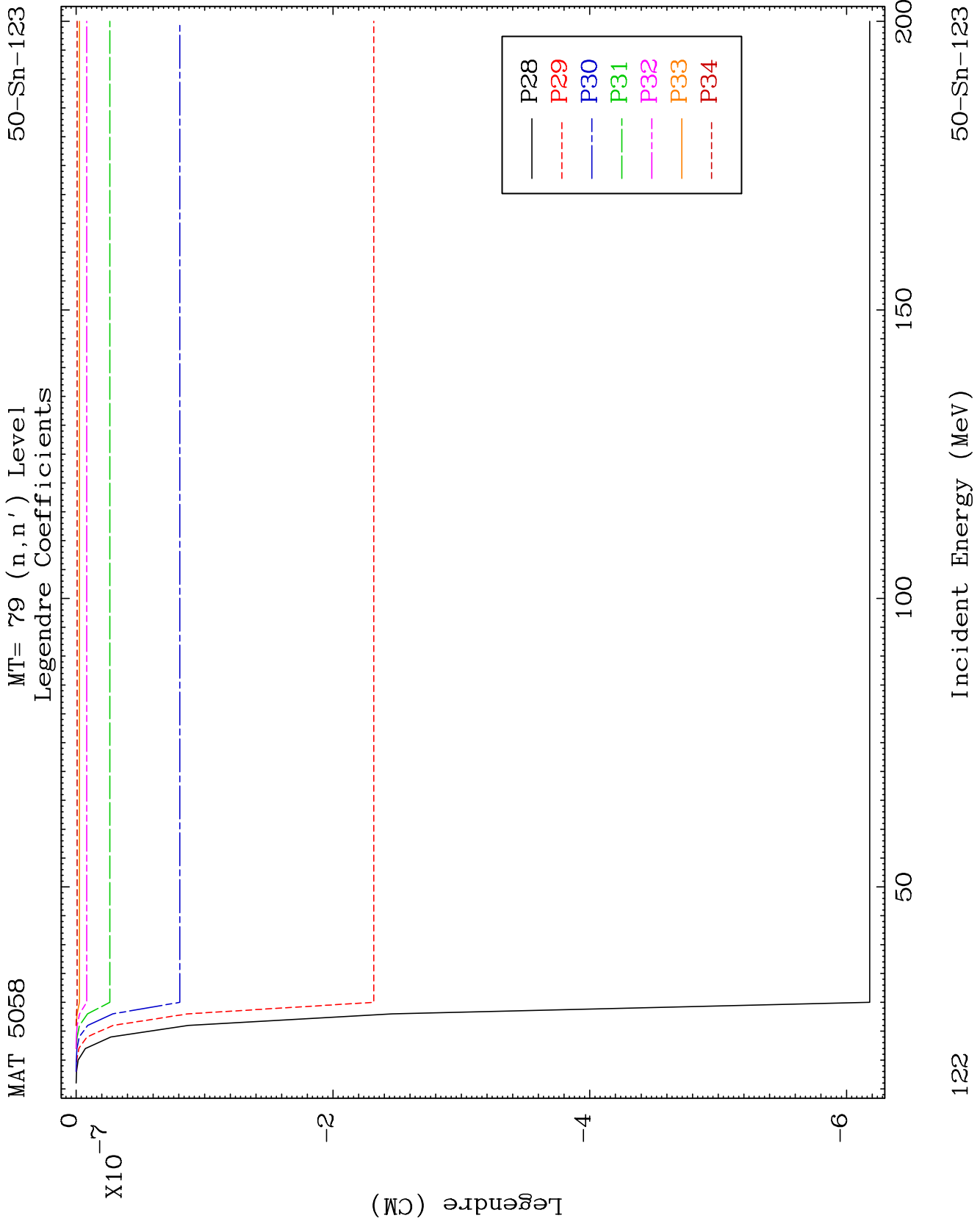


119

Incident Energy (MeV)

50-Sn-123

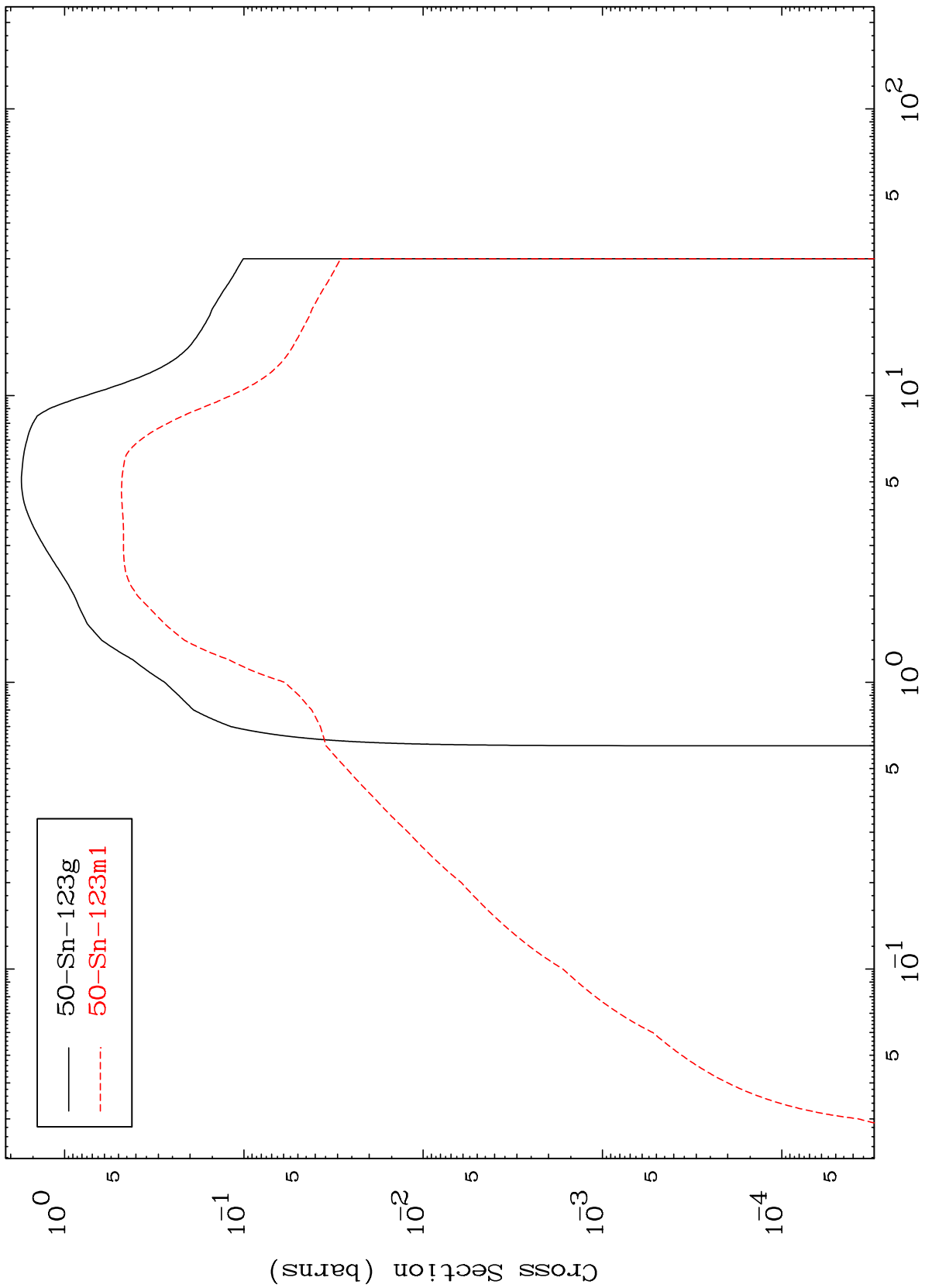




MAT 5058

50-Sn-123

Inelastic
Radionuclide Production Cross Section



— 50-Sn-123g
- - - 50-Sn-123m1

50-Sn-123

Incident Energy (MeV)

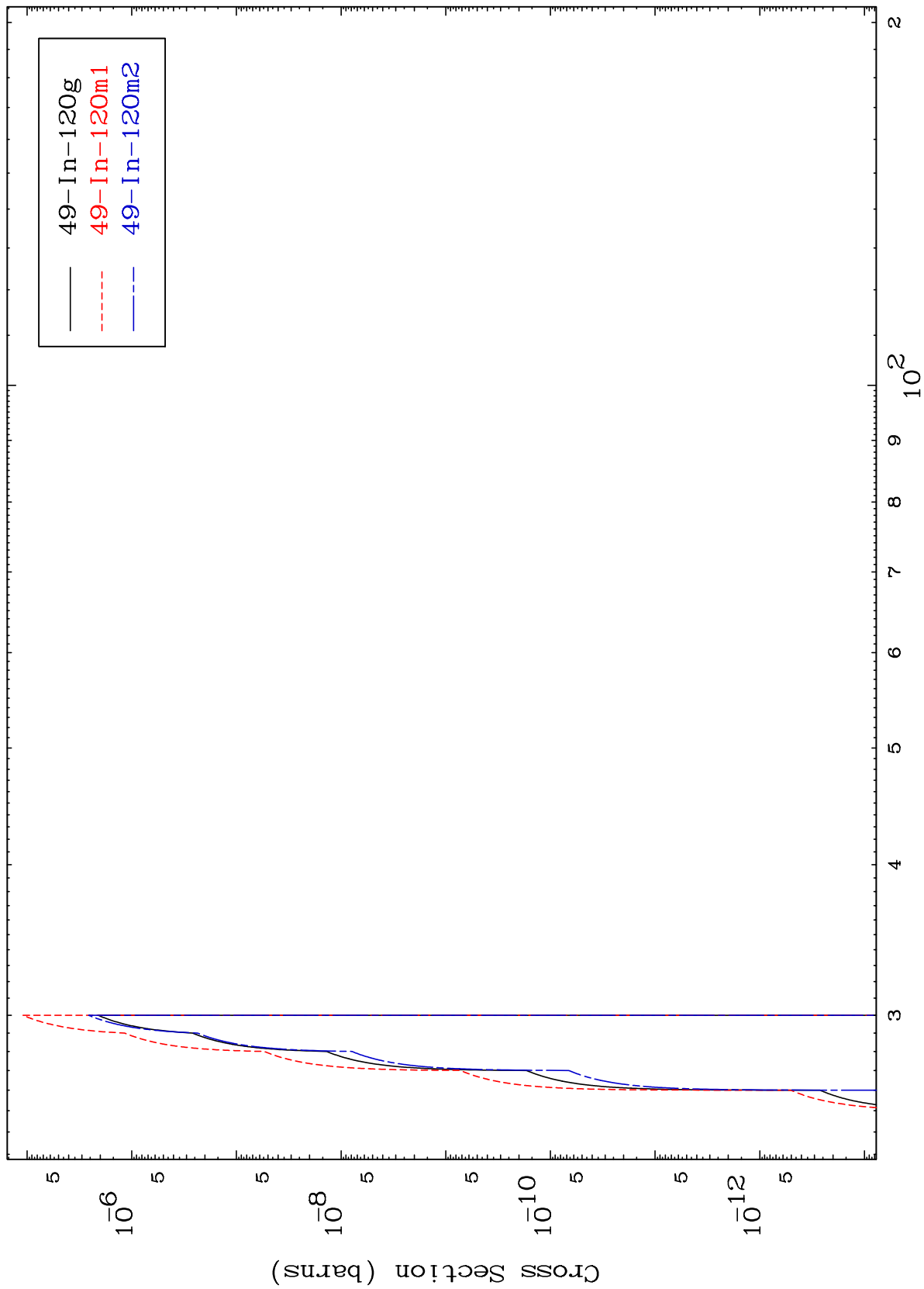
123

MAT 5058

(n,2n) d

50-Sn-123

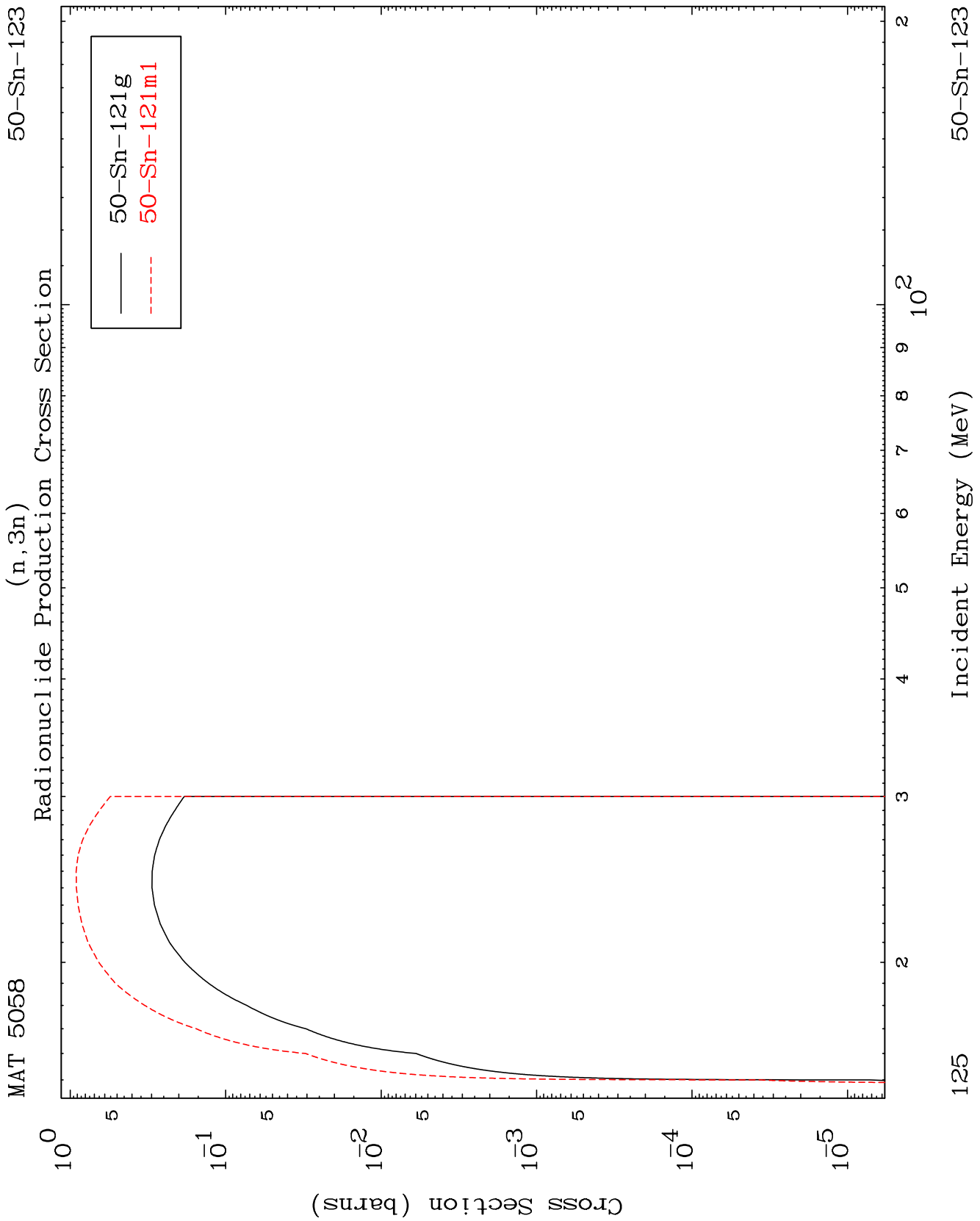
Radionuclide Production Cross Section



124

Incident Energy (MeV)

50-Sn-123

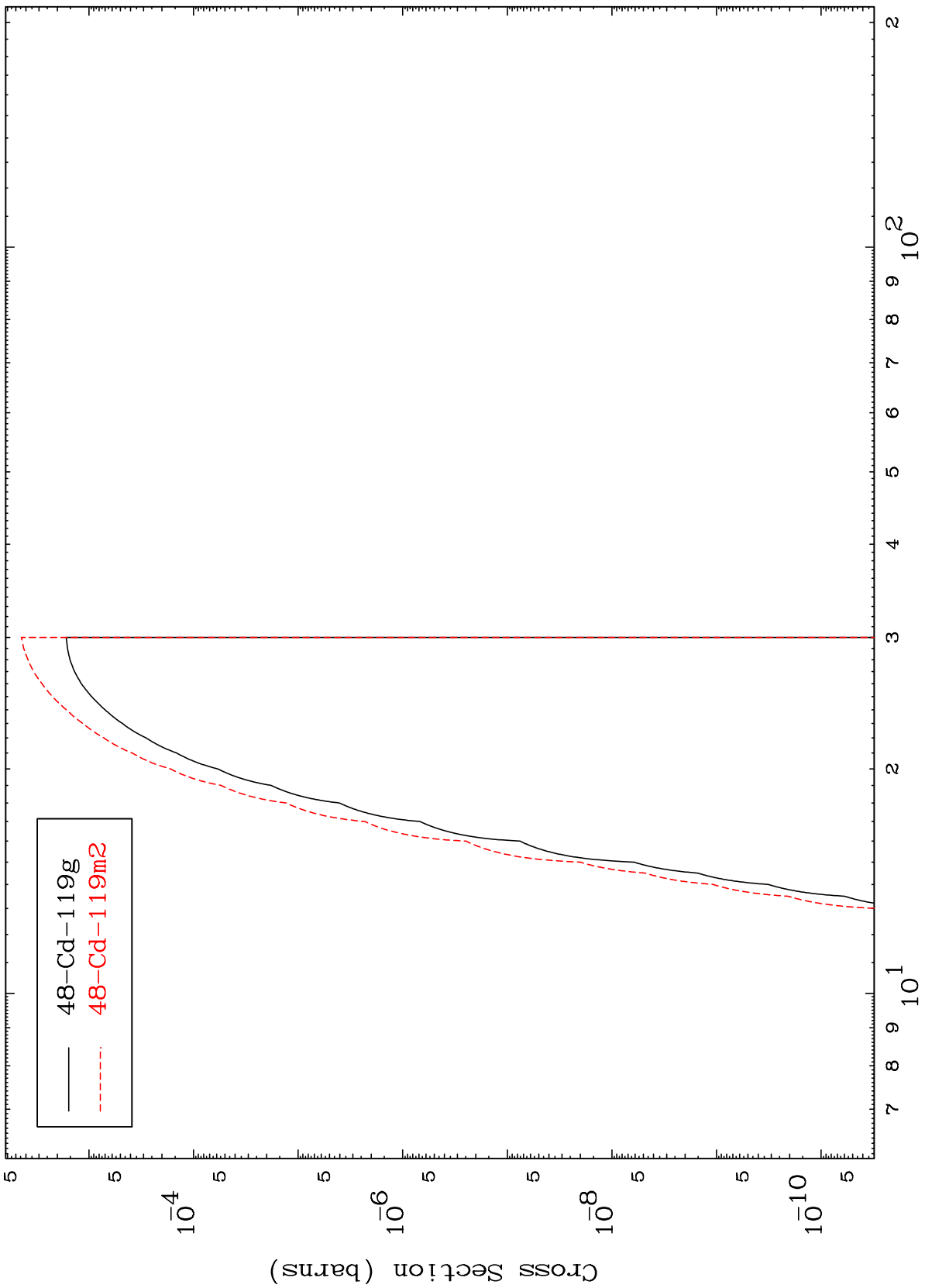


MAT 5058

50-Sn-123

(n,n') α

Radionuclide Production Cross Section



126

Incident Energy (MeV)

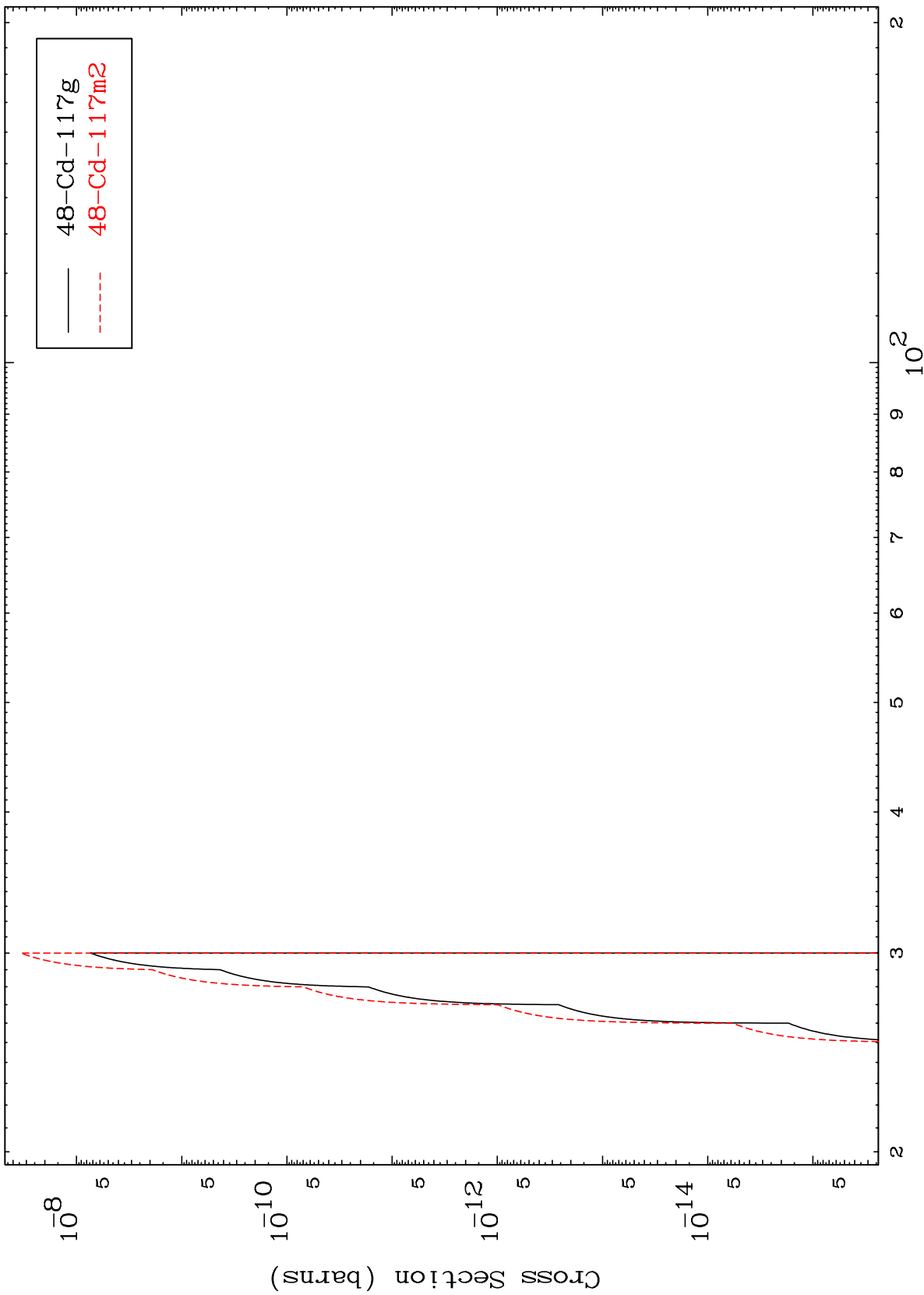
50-Sn-123

MAT 5058

(n,3n) α

50-Sn-123

Radionuclide Production Cross Section

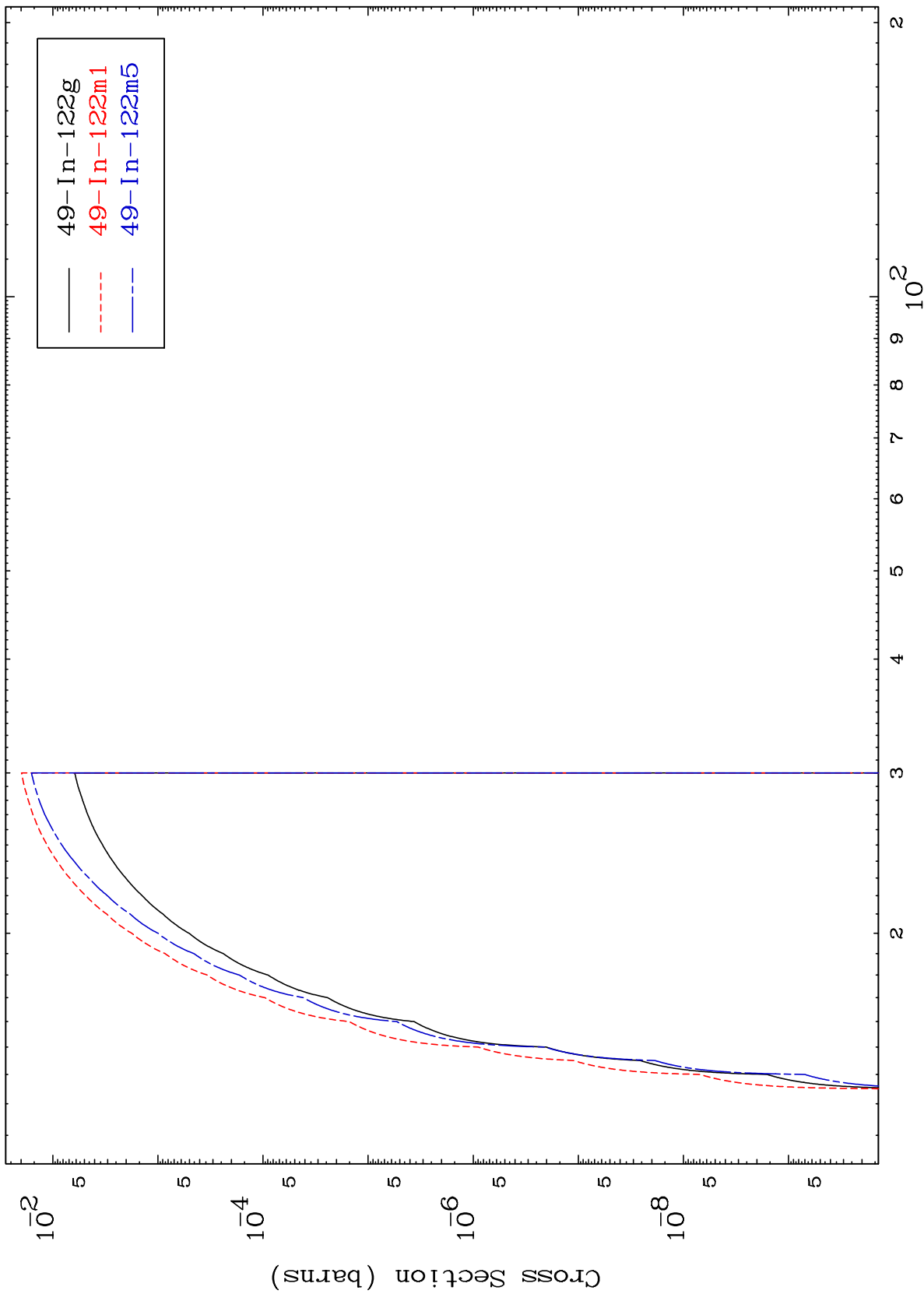


127

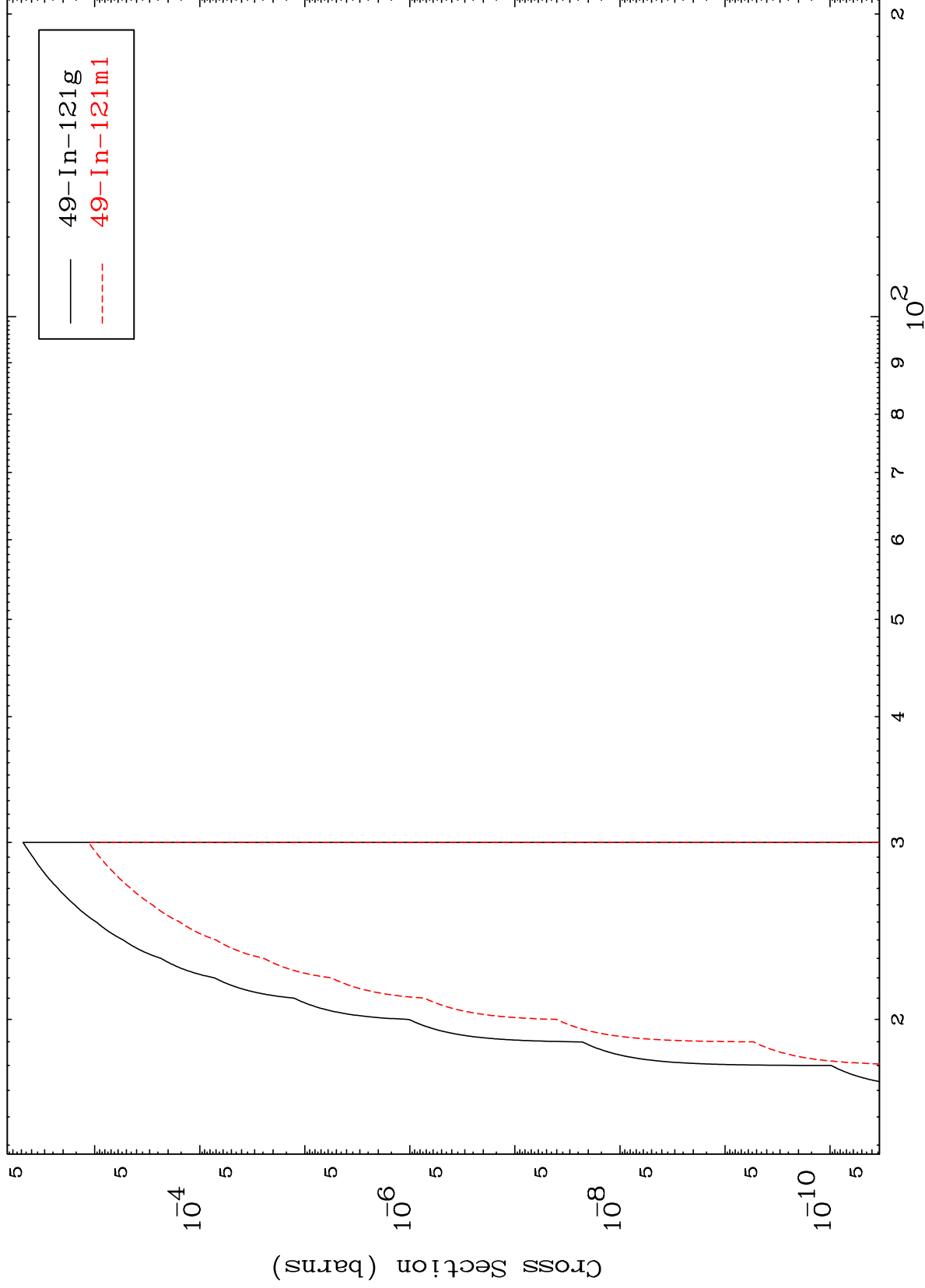
Incident Energy (MeV)

50-Sn-123

Radionuclide Production Cross Section



Radionuclide Production Cross Section

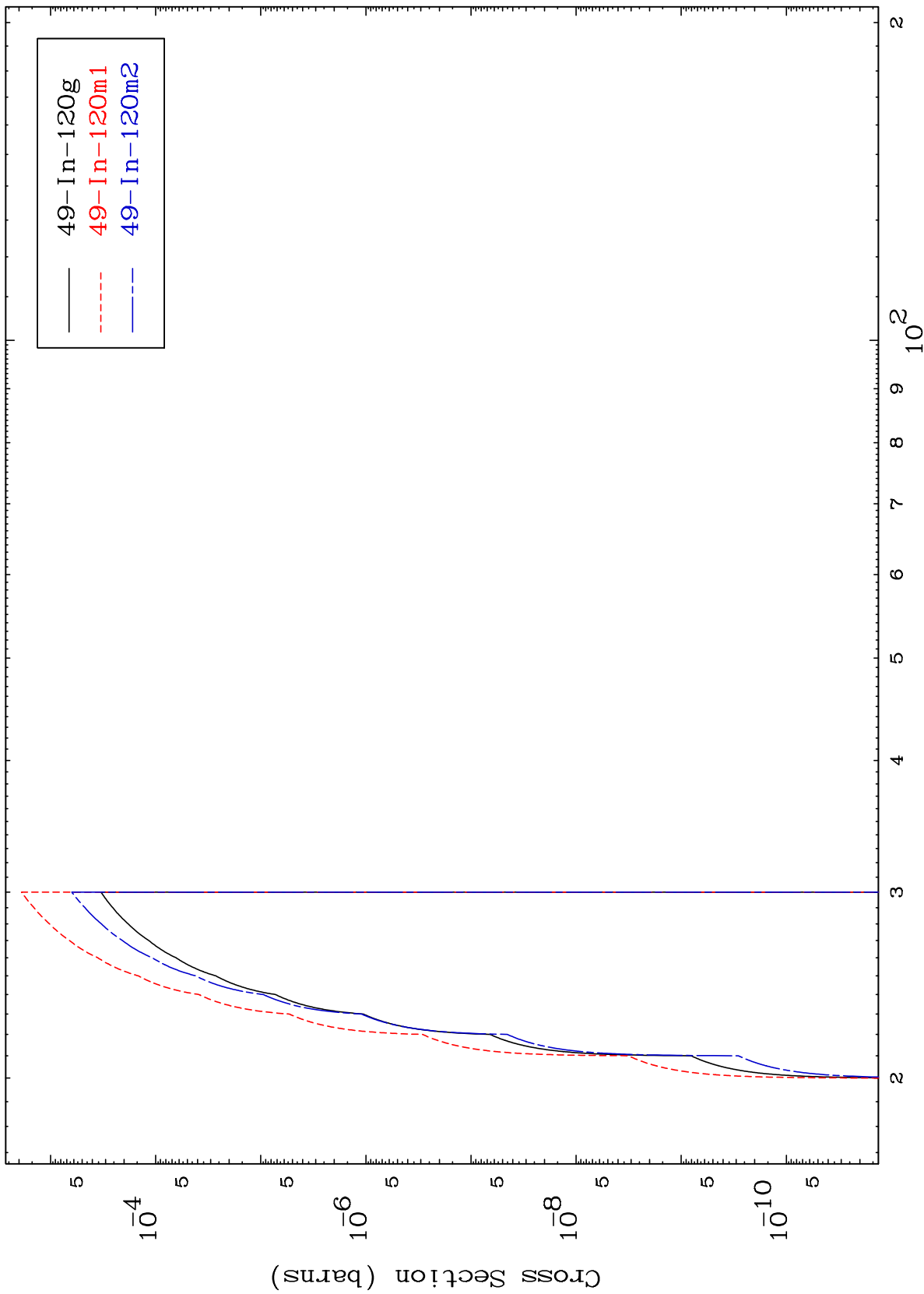


MAT 5058

(n,n') t

50-Sn-123

Radionuclide Production Cross Section



130

Incident Energy (MeV)

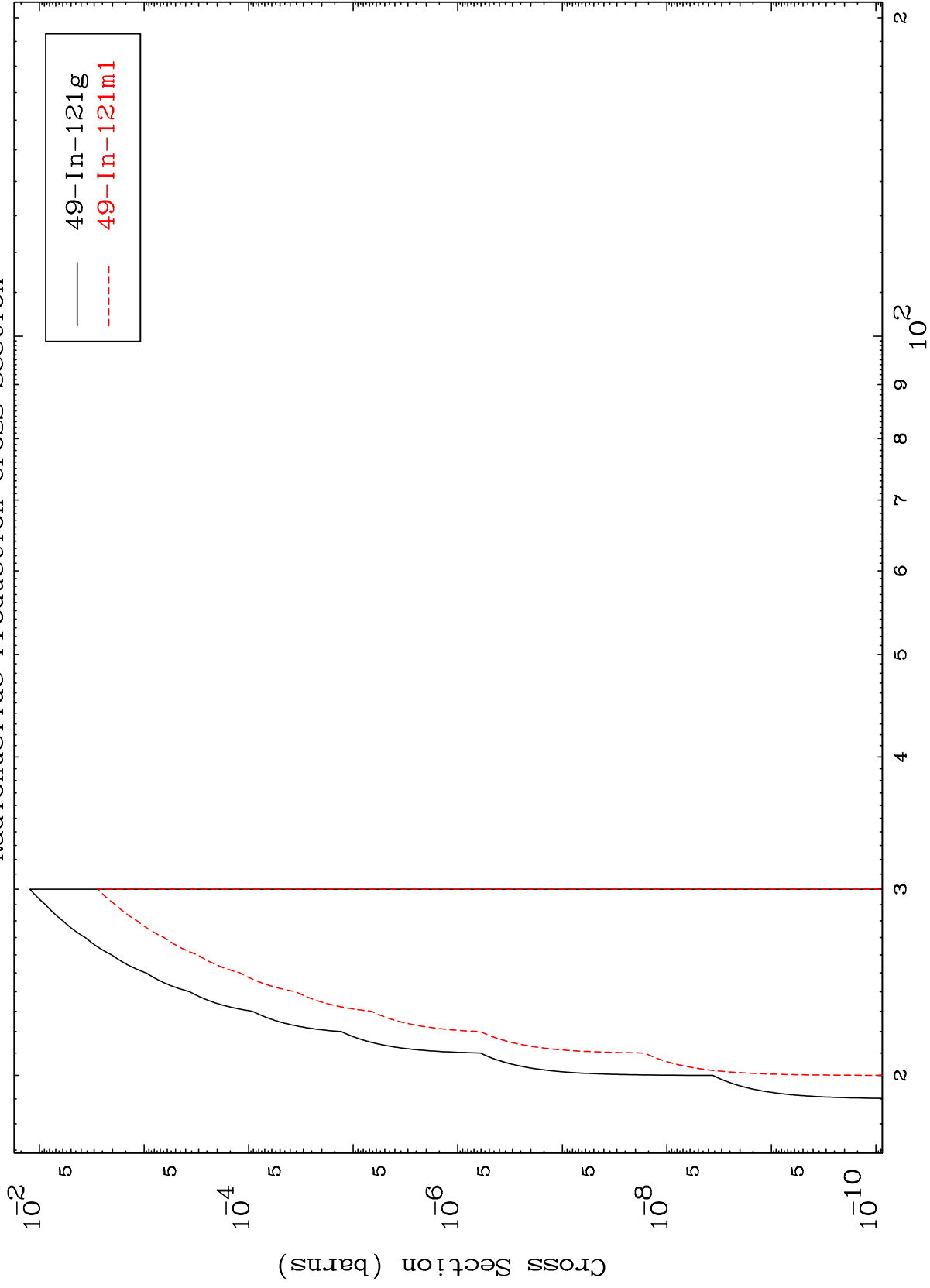
50-Sn-123

MAT 5058

(n,2n) p

50-Sn-123

Radionuclide Production Cross Section



131

Incident Energy (MeV)

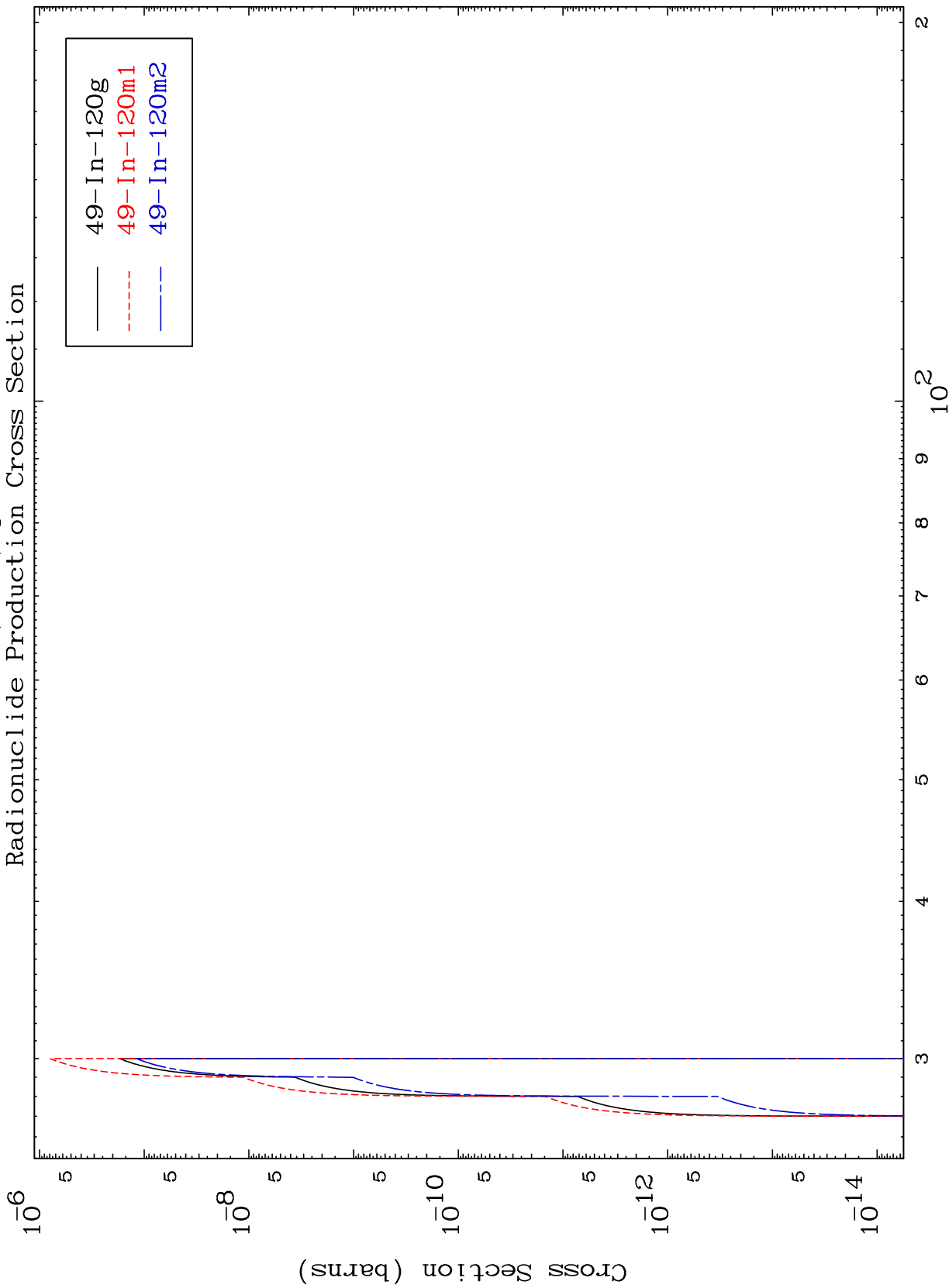
50-Sn-123

MAT 5058

(n,3n) p

50-Sn-123

Radionuclide Production Cross Section



132

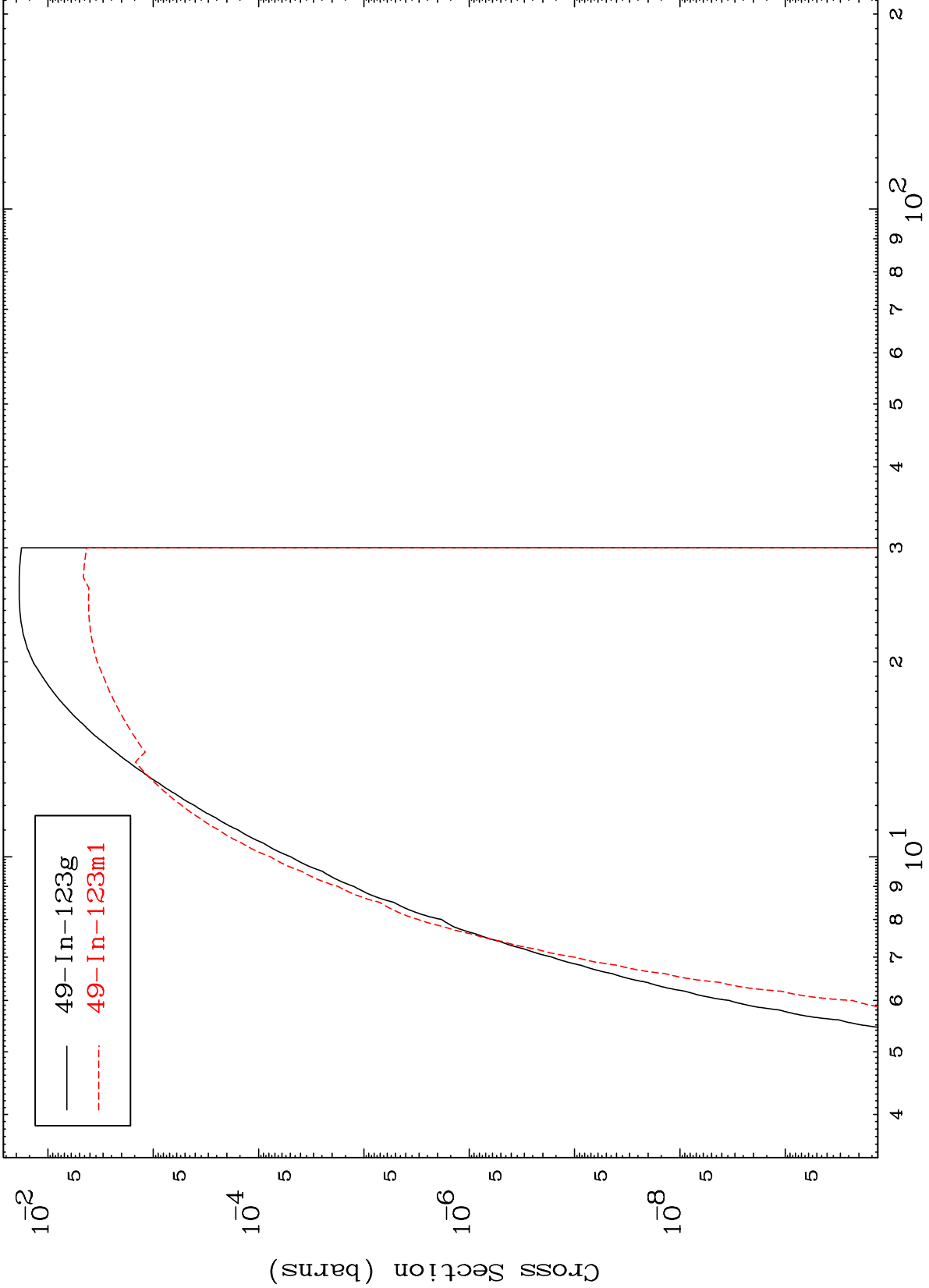
Incident Energy (MeV)

50-Sn-123

MAT 5058

50-Sn-123

(n,p)
Radionuclide Production Cross Section



— 49-In-123g
- - - 49-In-123m1

50-Sn-123

Incident Energy (MeV)

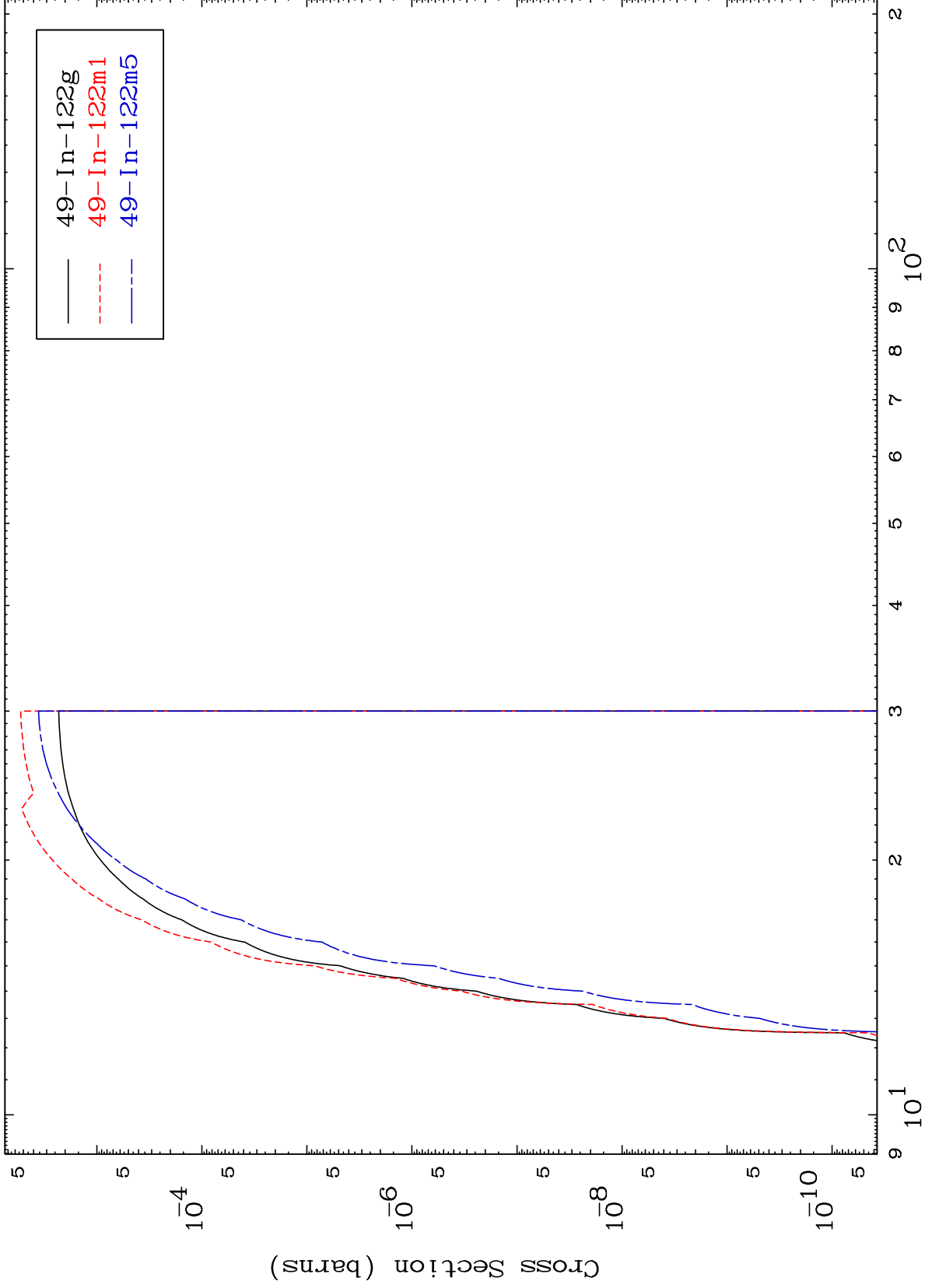
133

MAT 5058

(n,d)

50-Sn-123

Radionuclide Production Cross Section



Incident Energy (MeV)

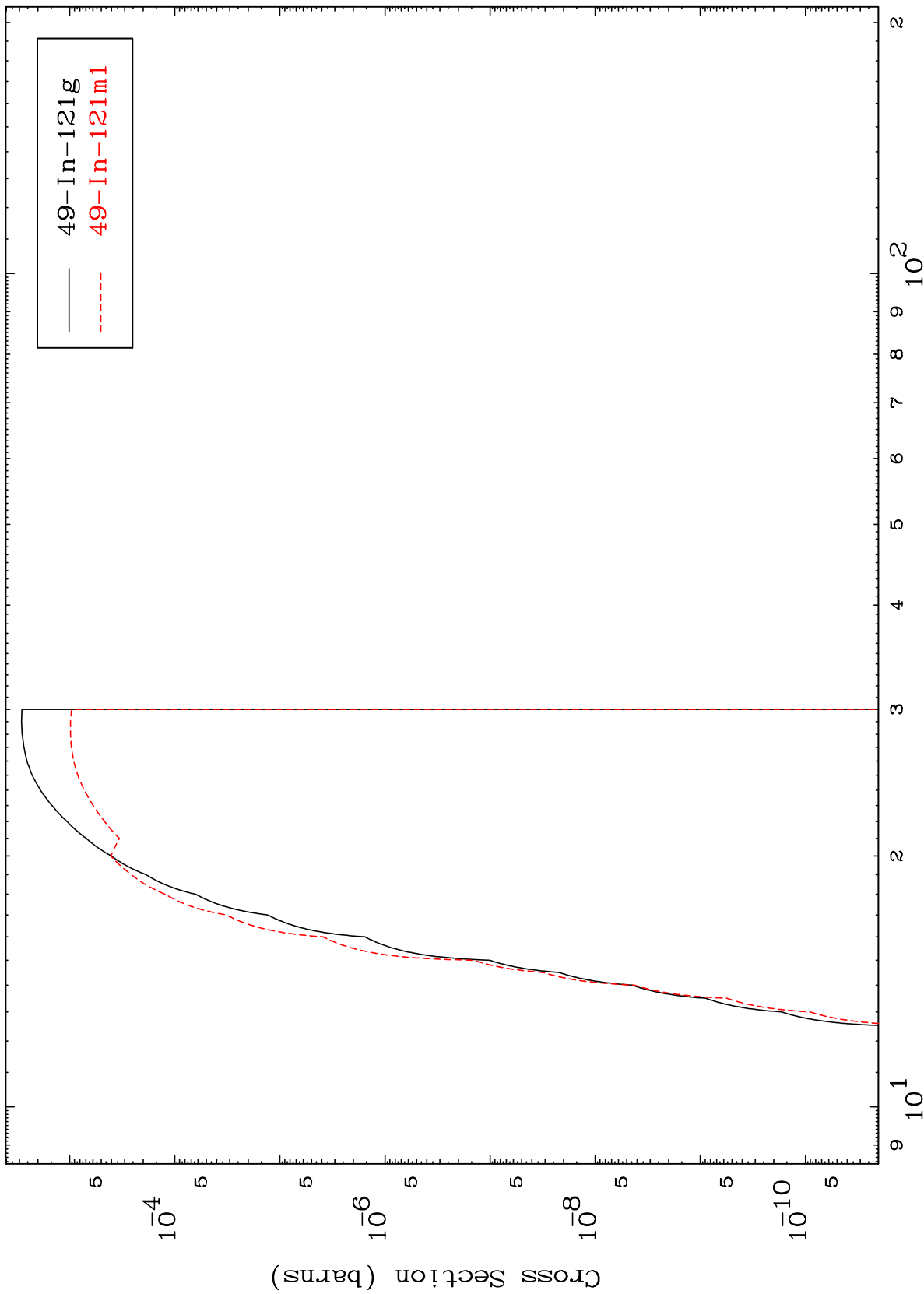
50-Sn-123

134

MAT 5058

50-Sn-123

(n,t)
Radionuclide Production Cross Section



50-Sn-123

Incident Energy (MeV)

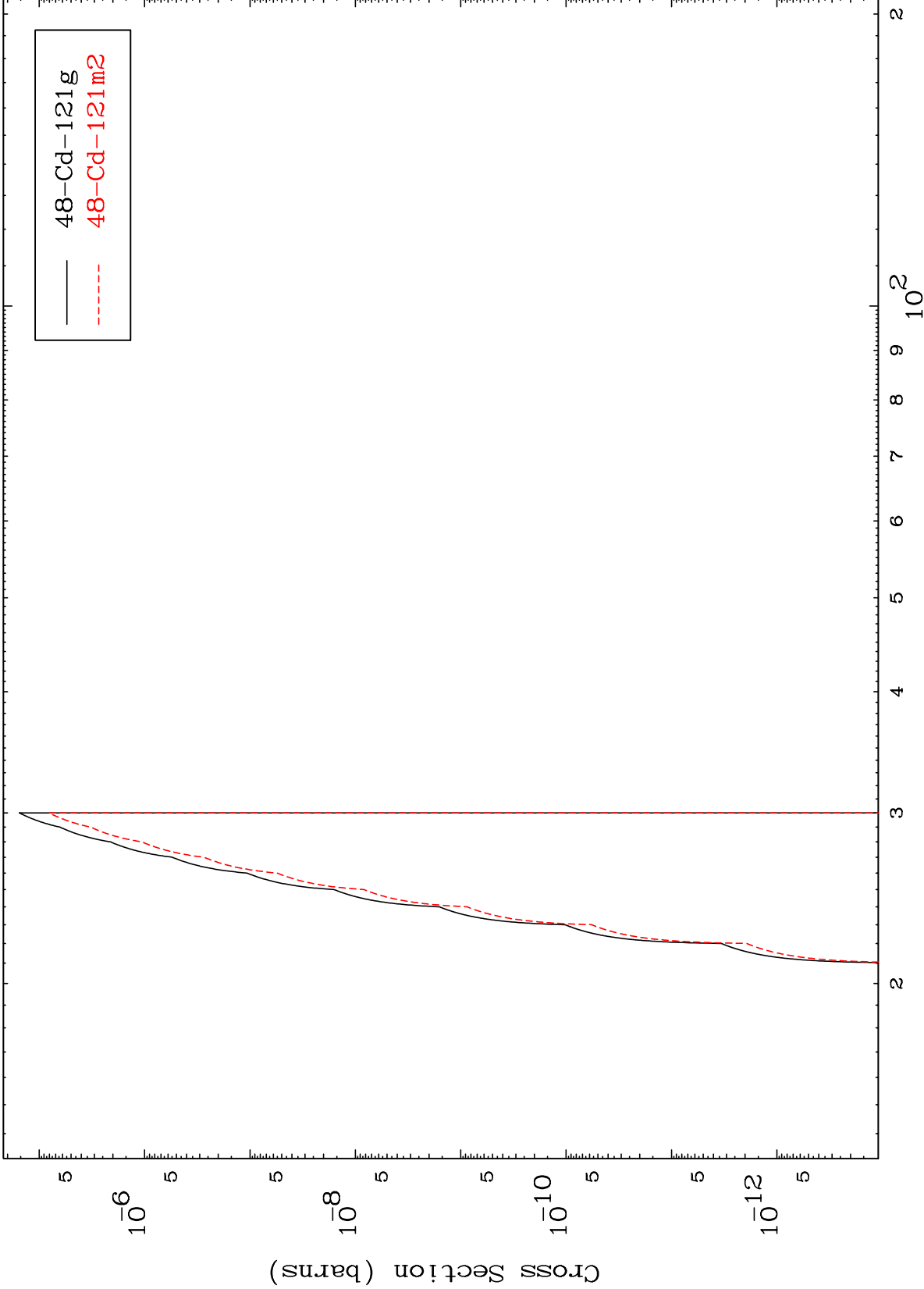
135

MAT 5058

(n,He-3)

50-Sn-123

Radionuclide Production Cross Section



136

Incident Energy (MeV)

50-Sn-123