

Program EVALPLOT
(Version 2018-1)

by

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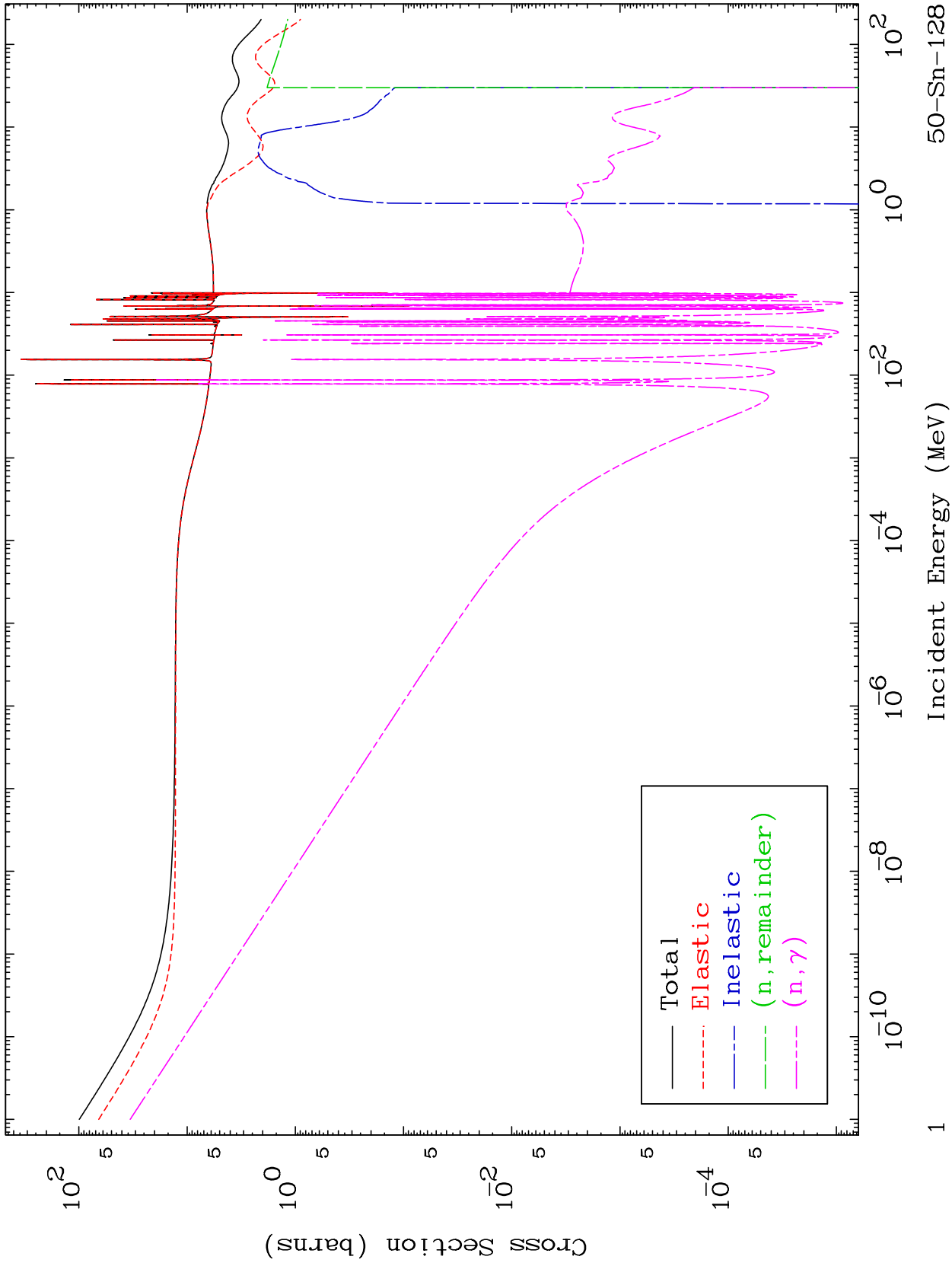
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5073

Major
293 Kelvin Cross Sections

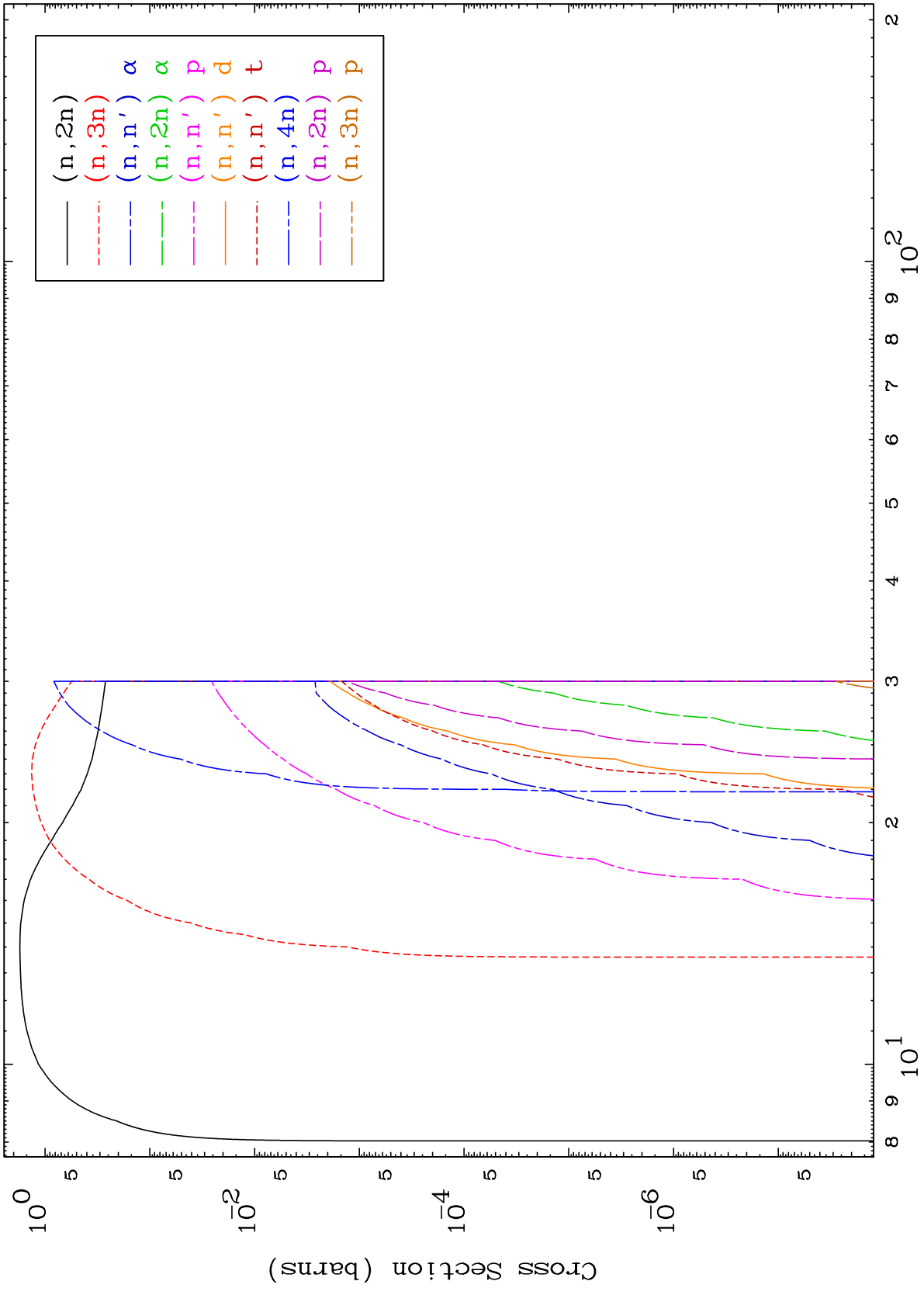
50-Sn-128



MAT 5073

Neutron Production
293 Kelvin Cross Sections

50-Sn-128



2

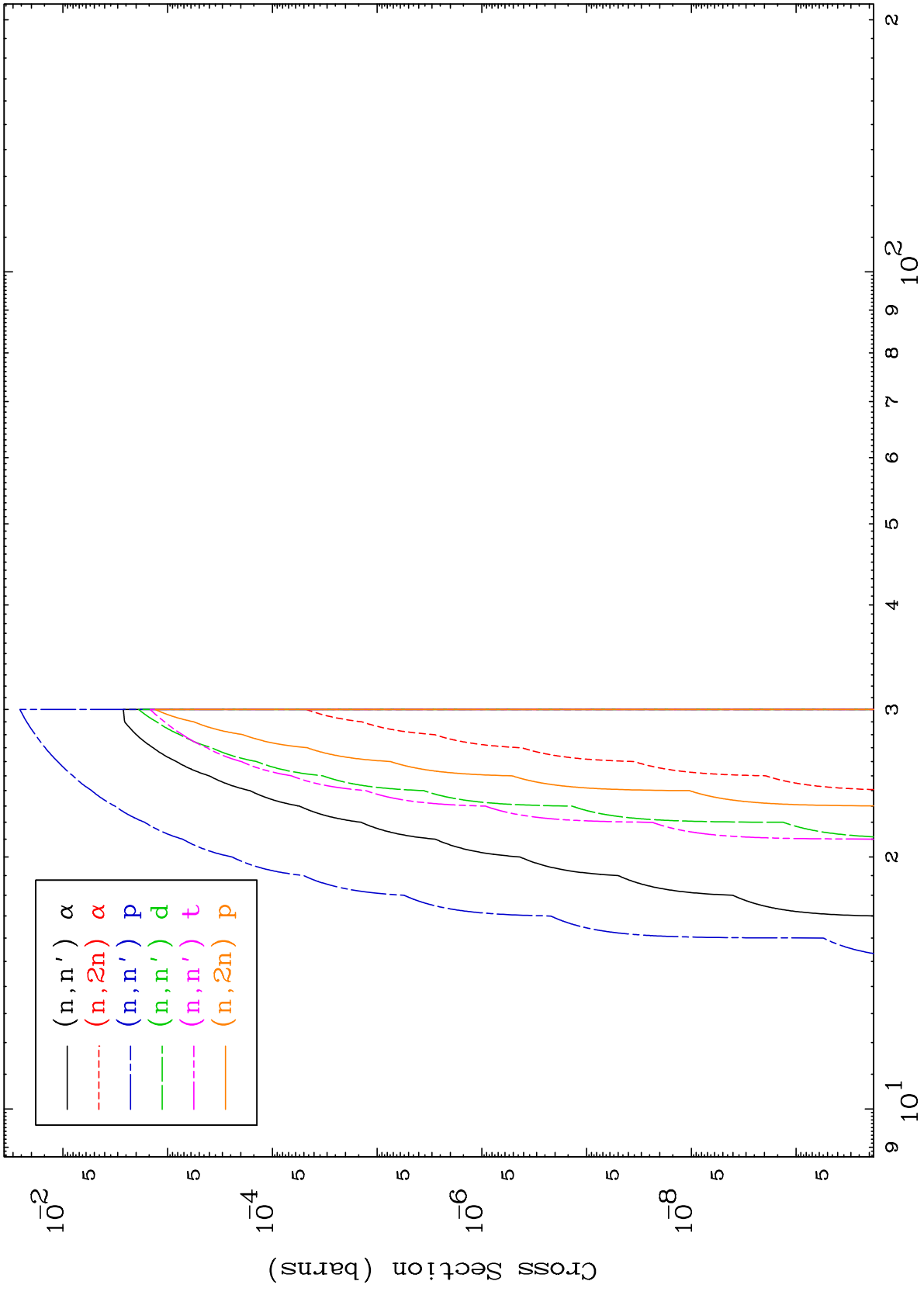
Incident Energy (MeV)

50-Sn-128

MAT 5073

Charged Particle
293 Kelvin Cross Sections

50-Sn-128



50-Sn-128

Incident Energy (MeV)

10^1

10^2

10^{-2}

10^{-4}

10^{-6}

10^{-8}

9

2

3

4

5

6

7

8

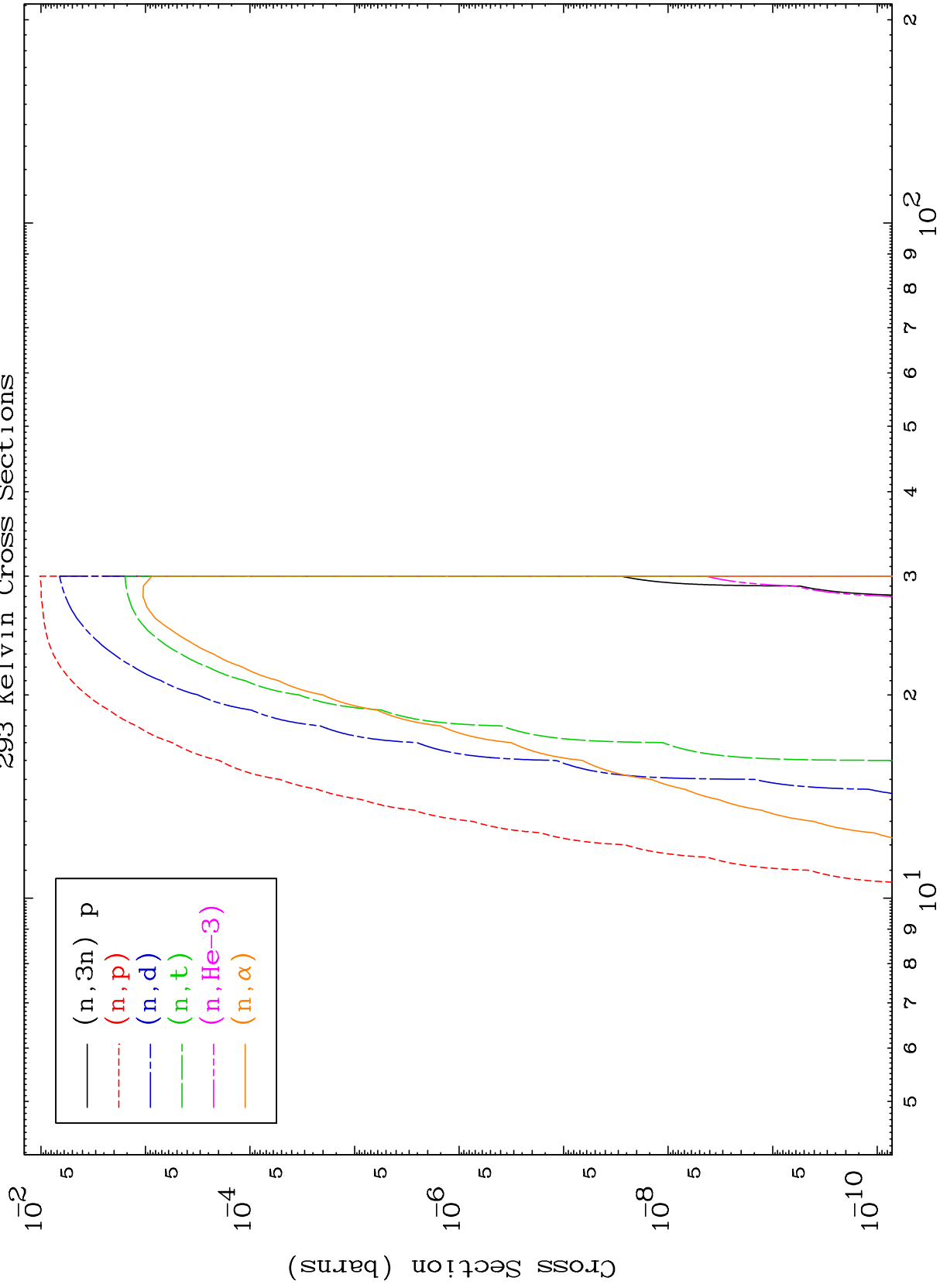
9

2

MAT 5073

Charged Particle
293 Kelvin Cross Sections

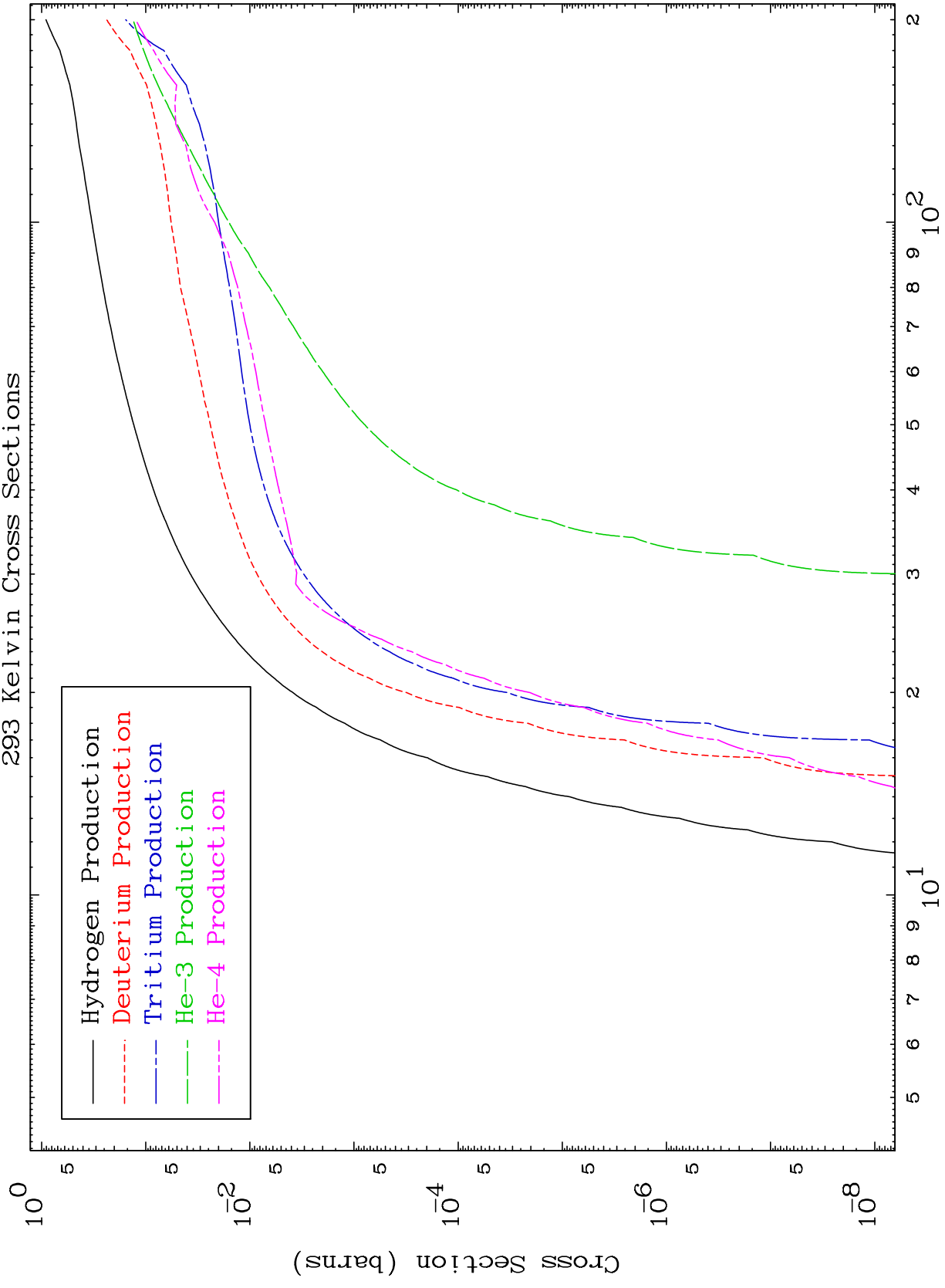
50-Sn-128



MAT 5073

Particle Production
293 Kelvin Cross Sections

50-Sn-128



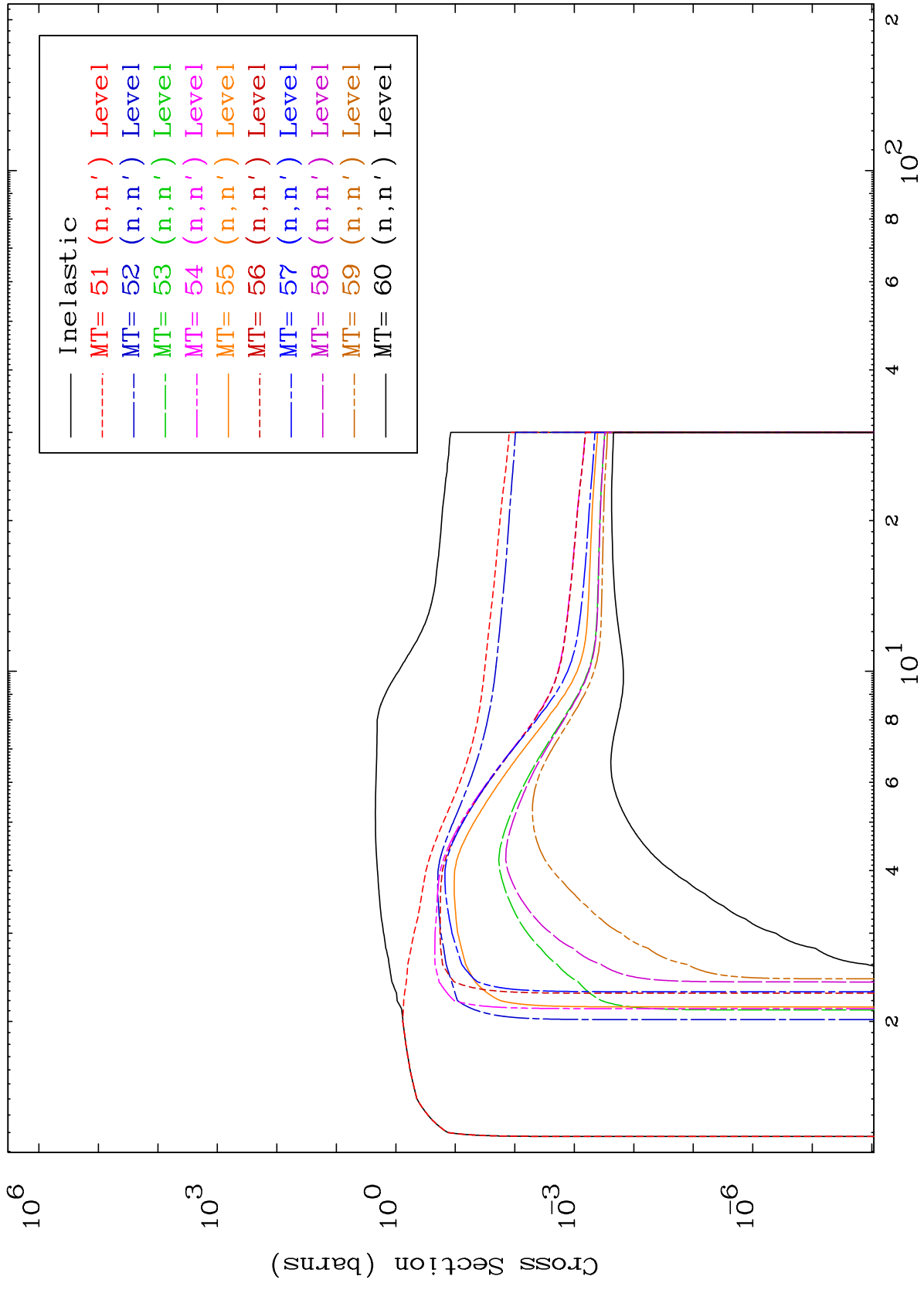
50-Sn-128

MAT 5073

(n,n') Level

50-Sn-128

293 Kelvin Cross Sections



6

Incident Energy (MeV)

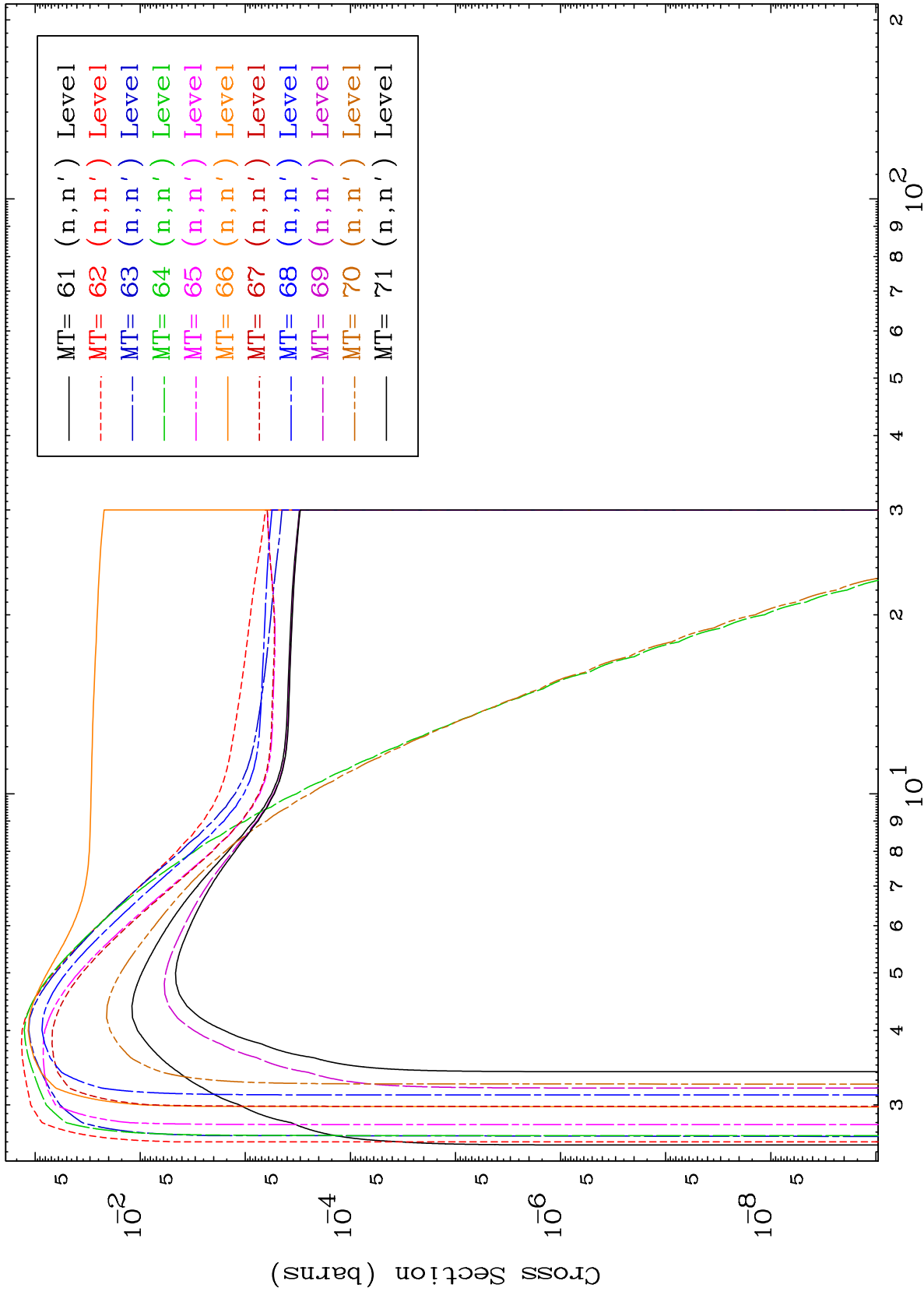
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MAT 5073

(n,n') Level

293 Kelvin Cross Sections

50-Sn-128



7

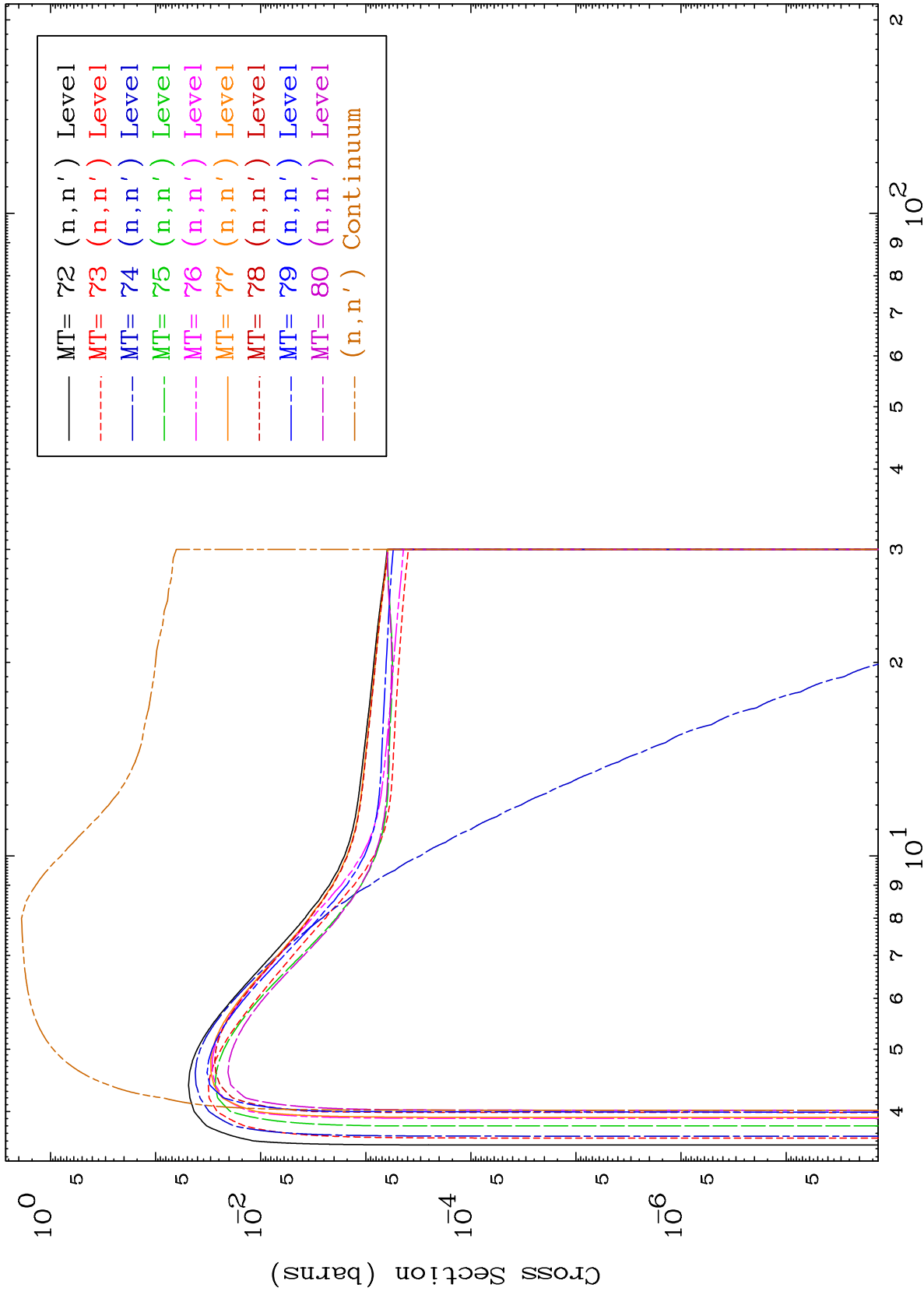
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n,n') Level
293 Kelvin Cross Sections

50-Sn-128



8

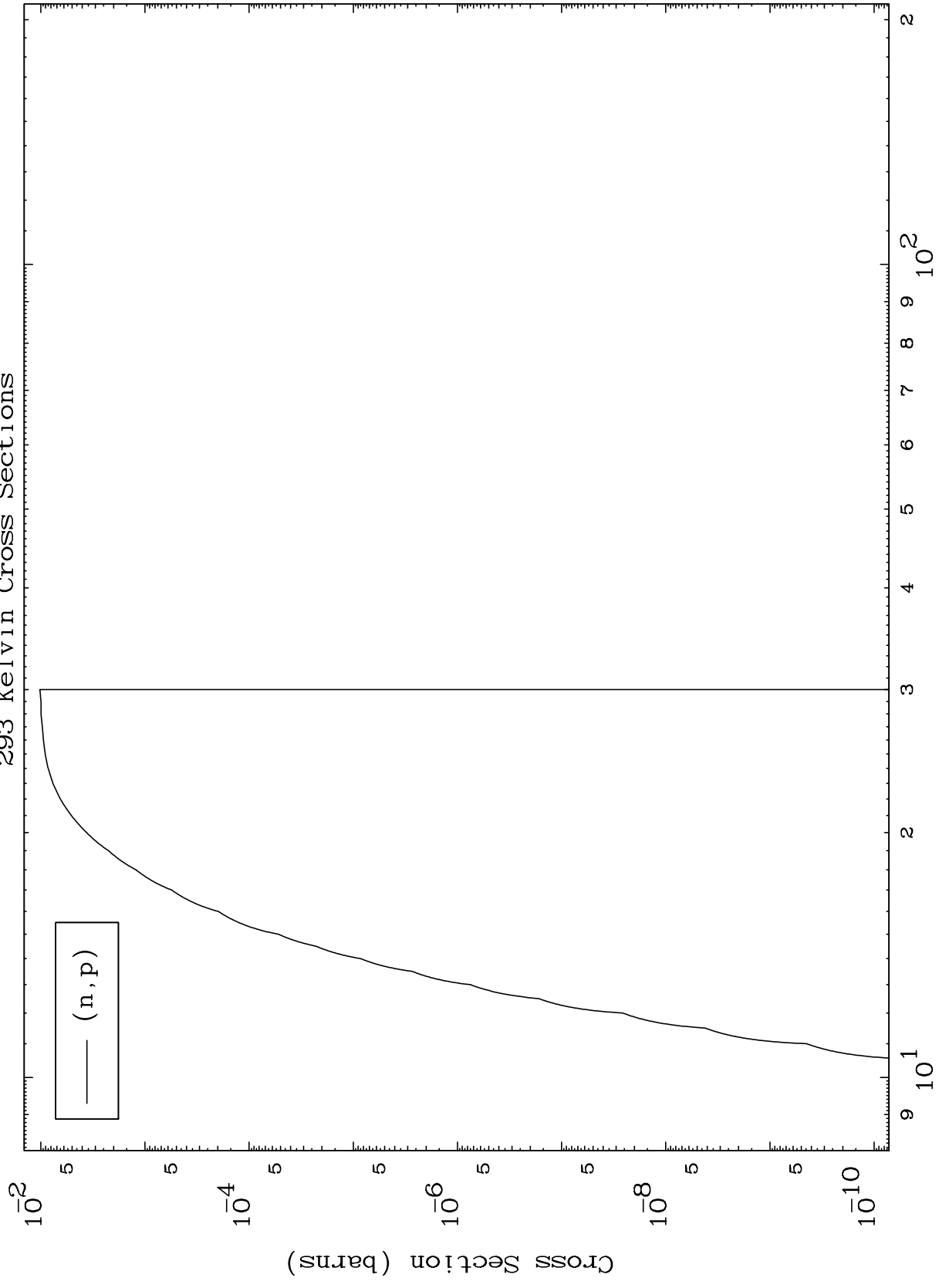
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-128



9

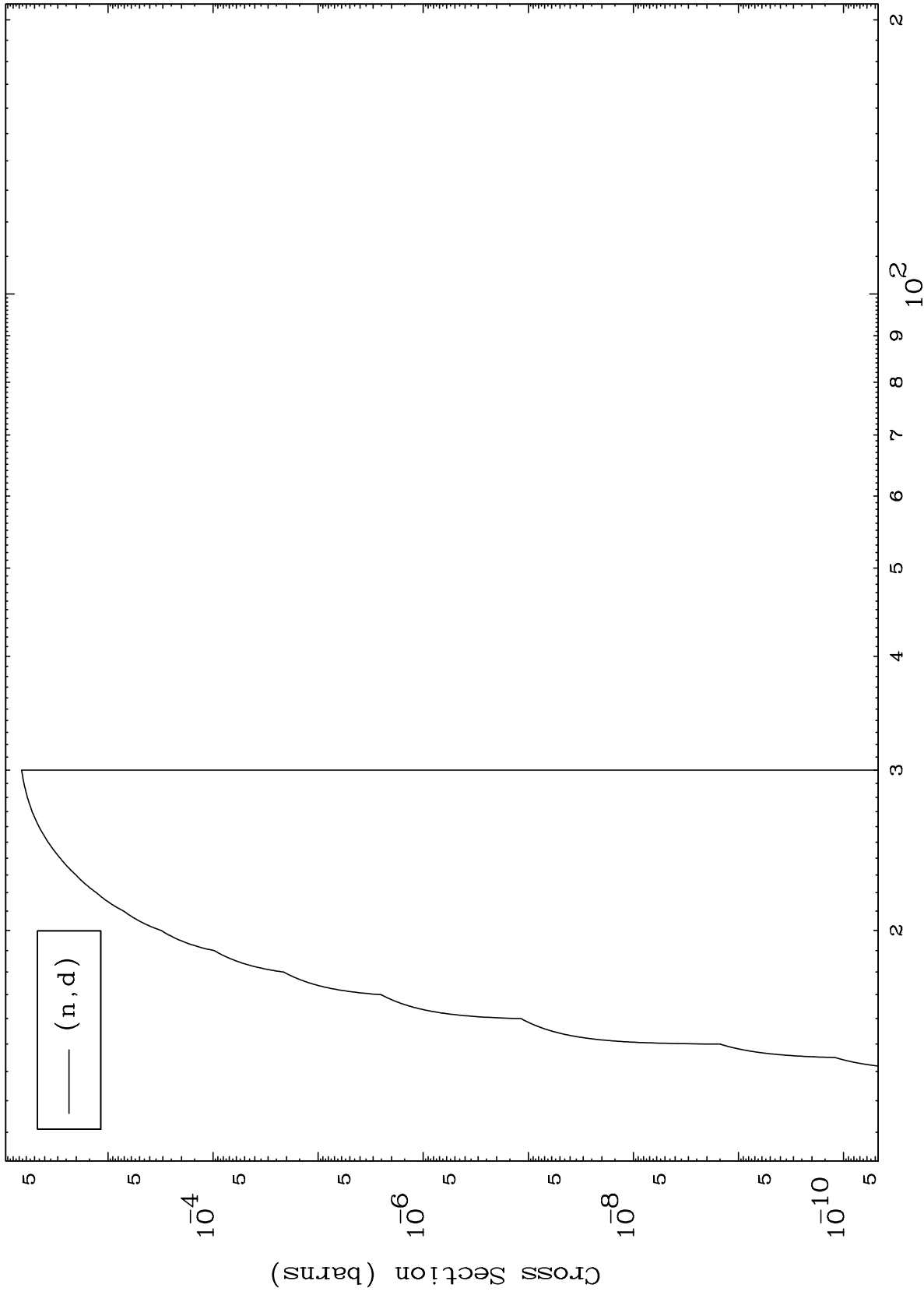
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-128



10

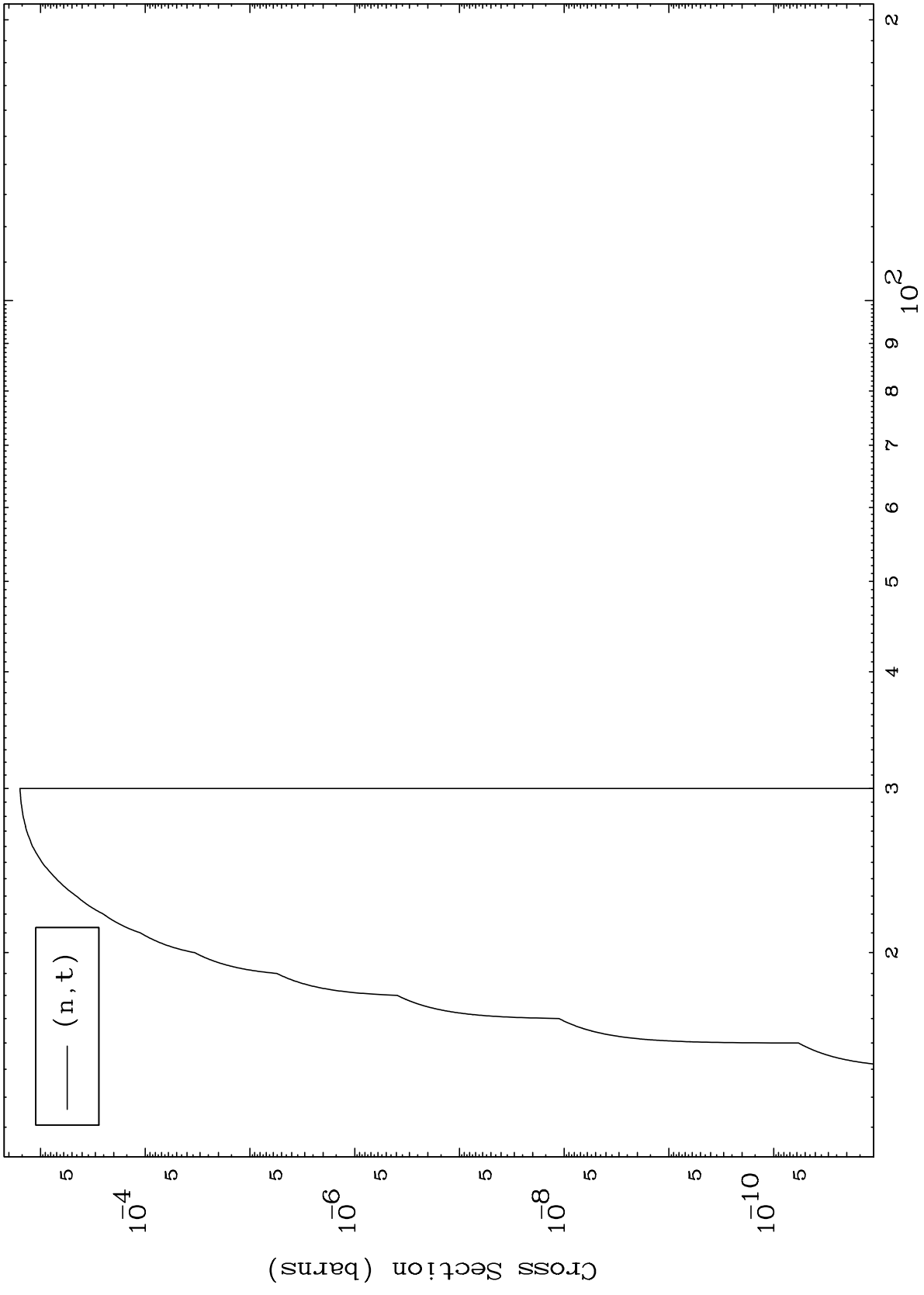
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n,t) Levels
293 Kelvin Cross Sections

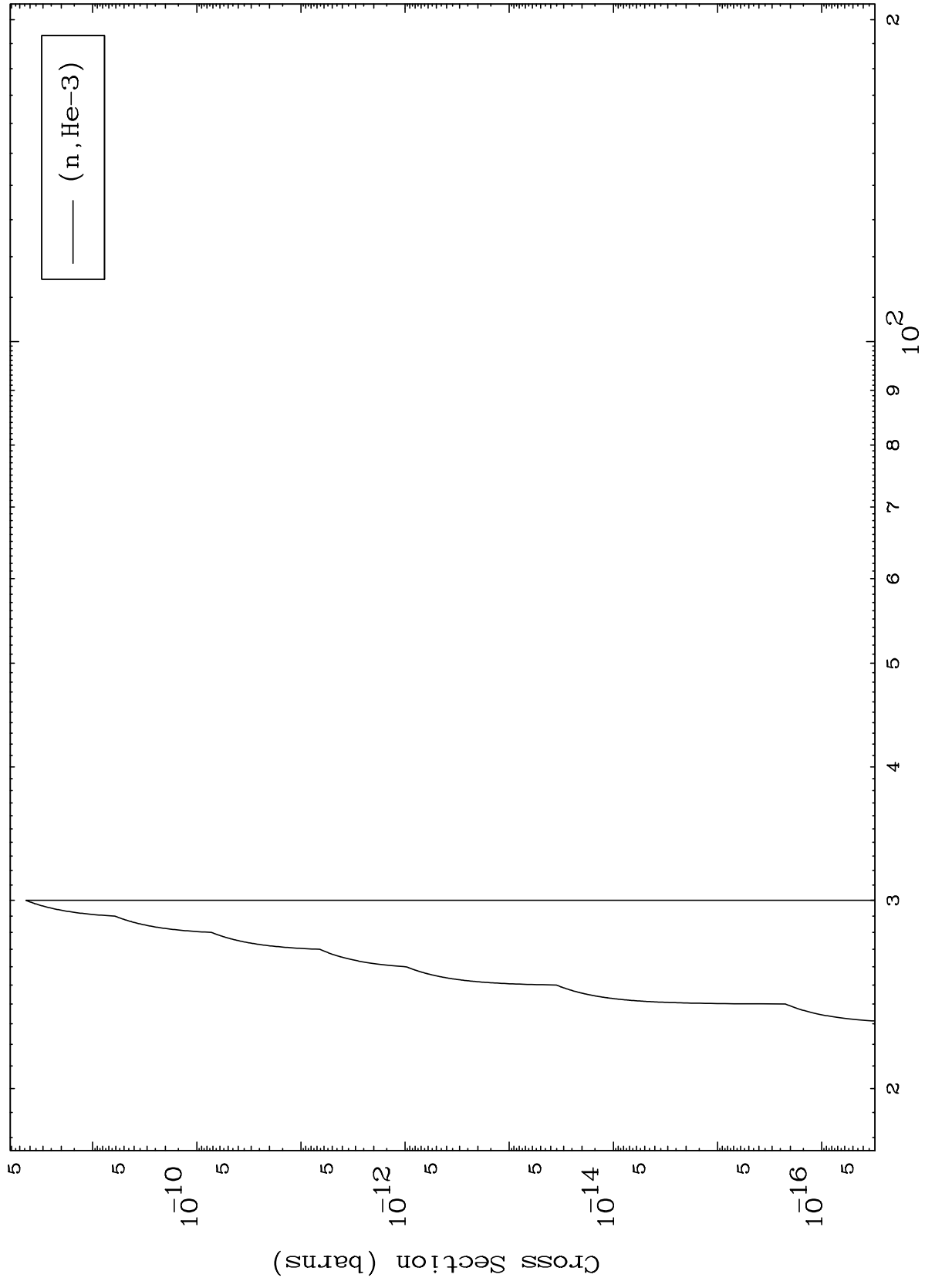
50-Sn-128



MAT 5073

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-128



12

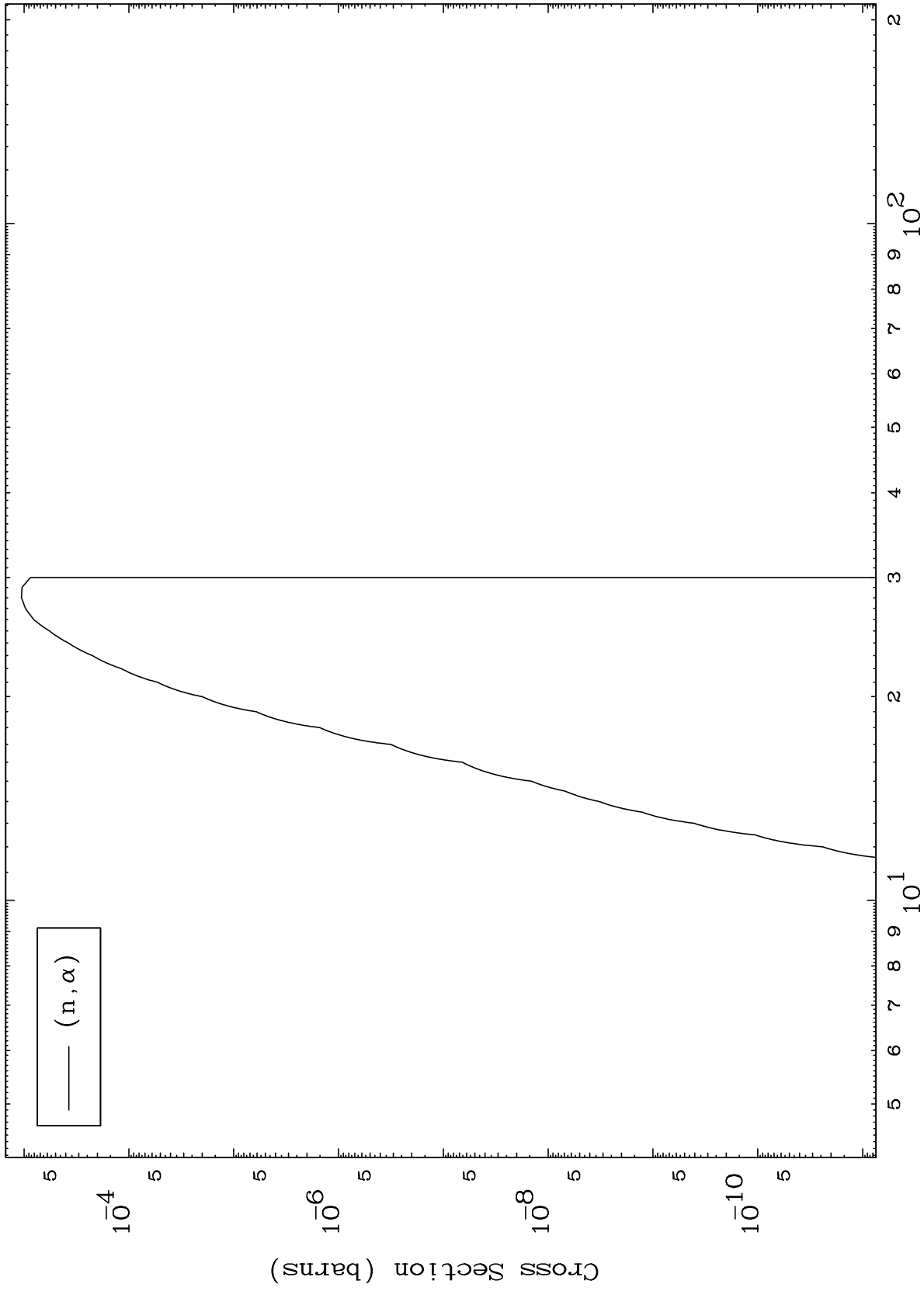
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n, α) Levels
293 Kelvin Cross Sections

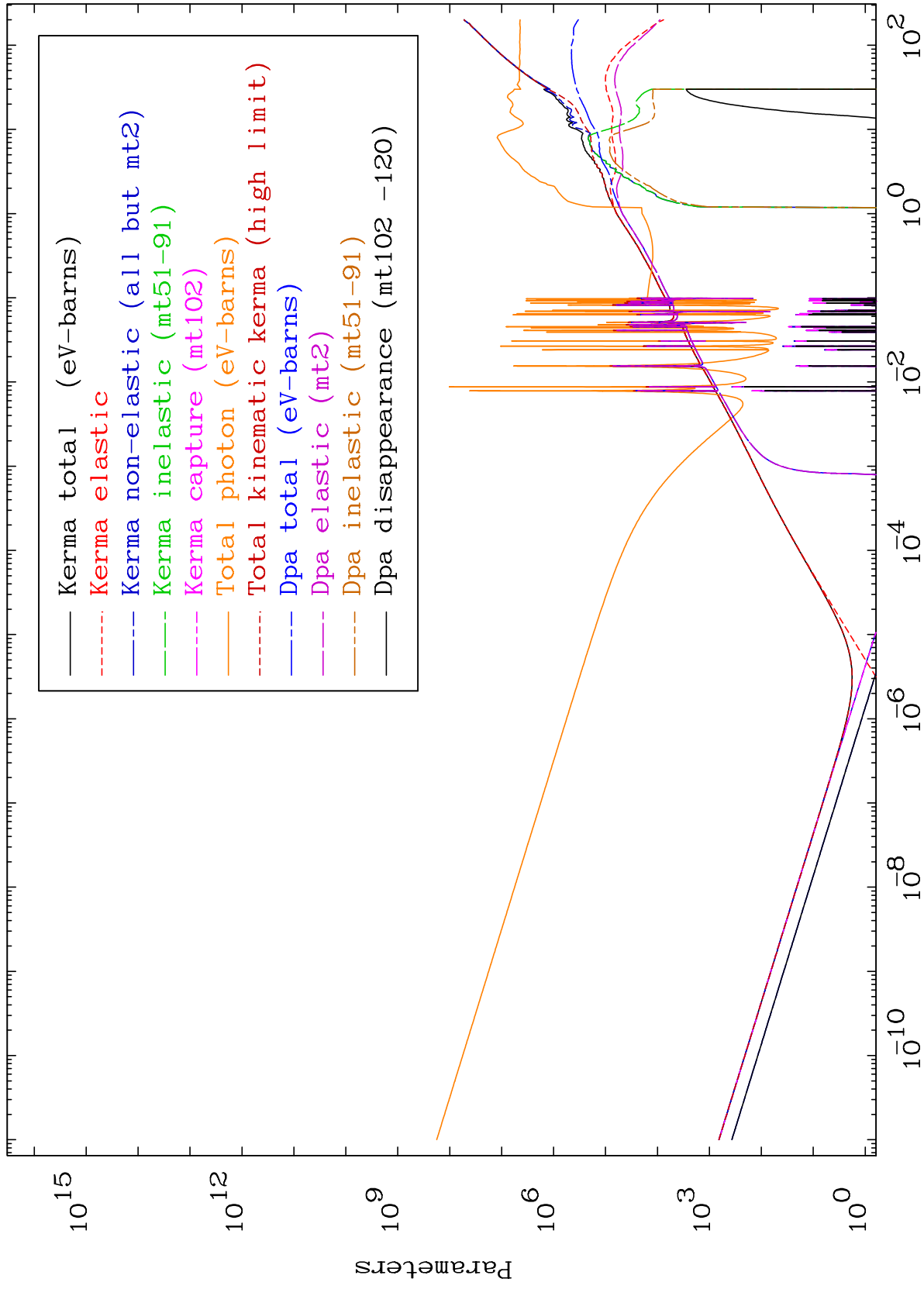
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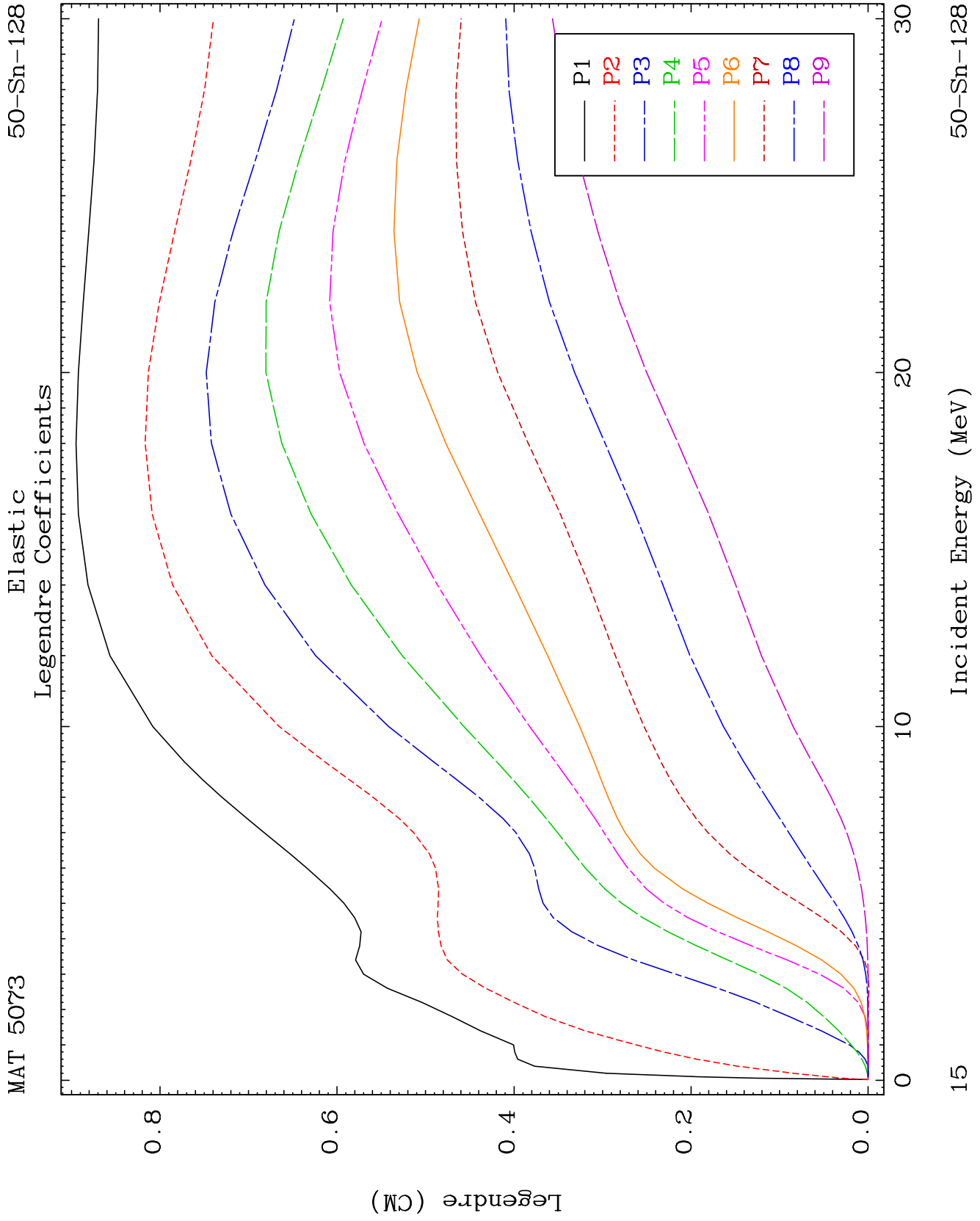


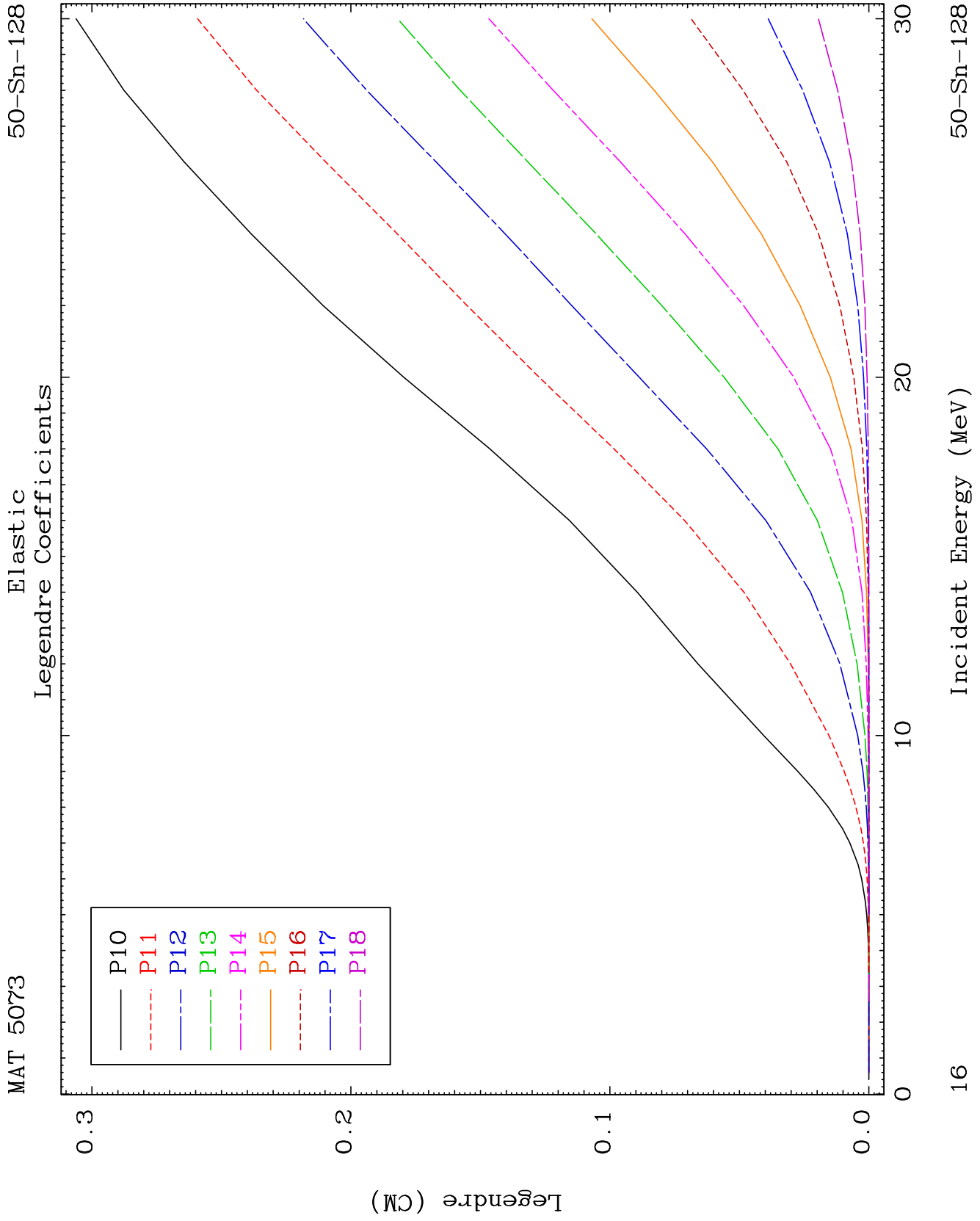
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Incident Energy (MeV)

50-Sn-128



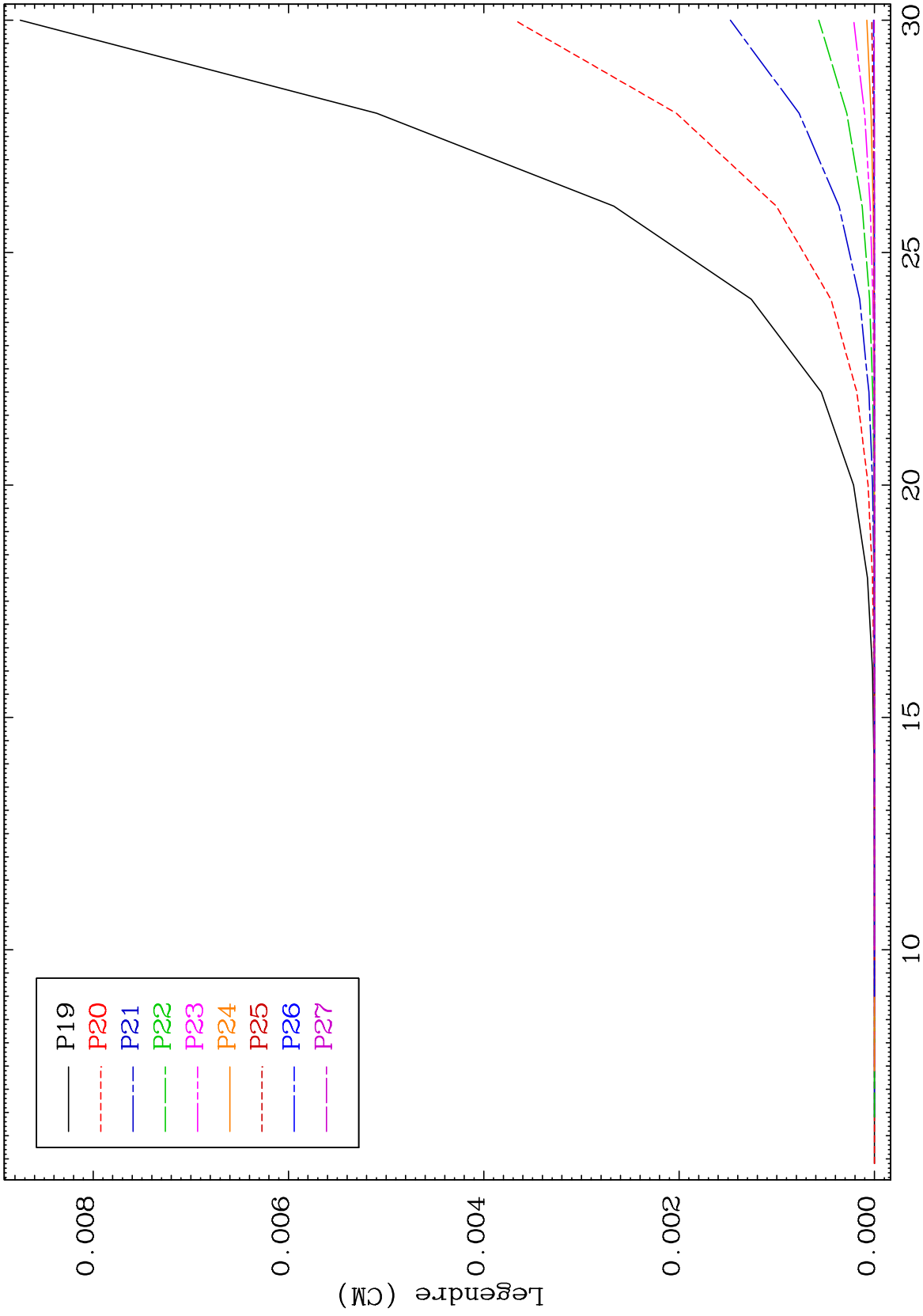




MAT 5073

Elastic
Legendre Coefficients

50-Sn-128



17

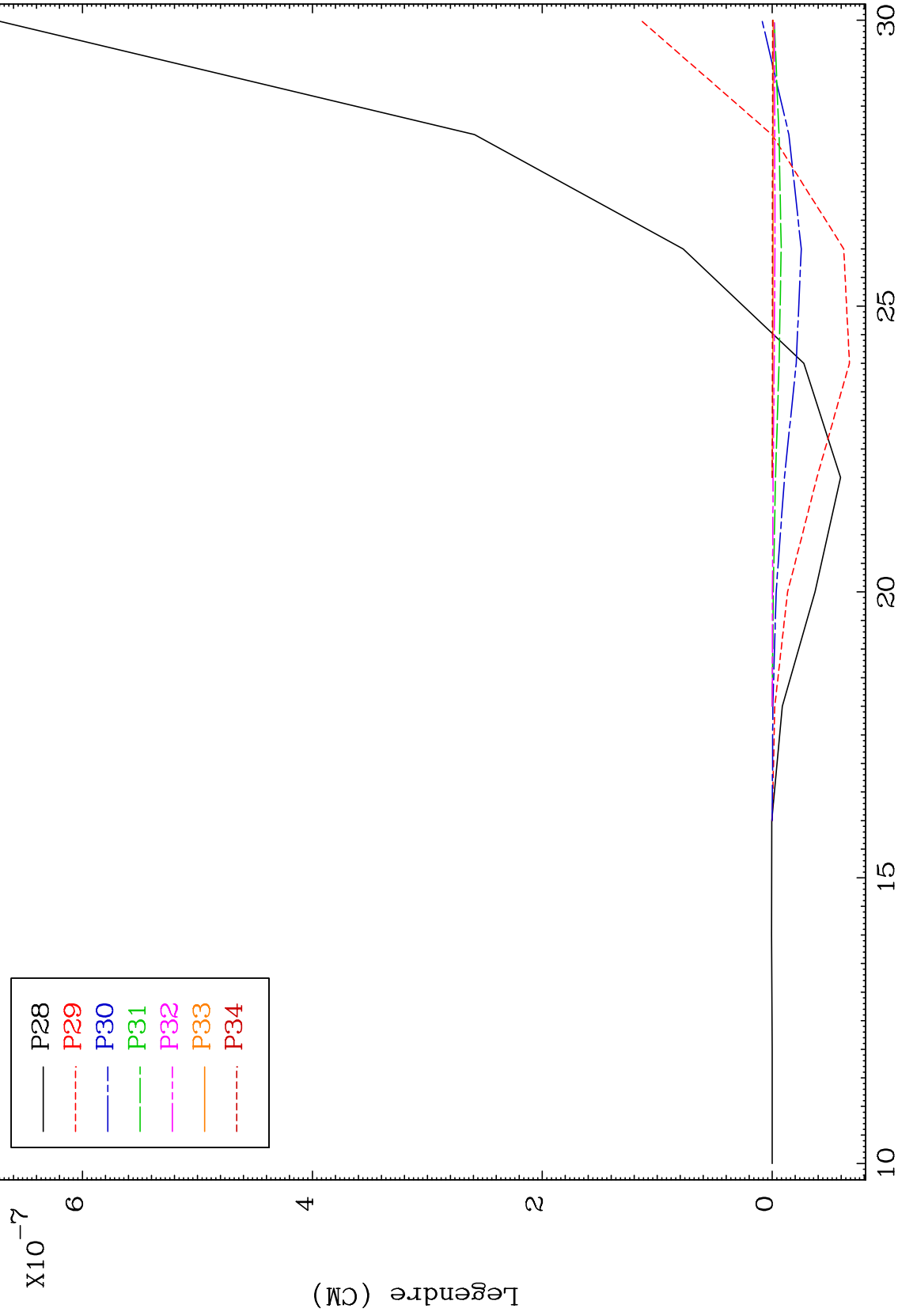
Incident Energy (MeV)

50-Sn-128

MAT 5073

Elastic Legendre Coefficients

50-Sn-128

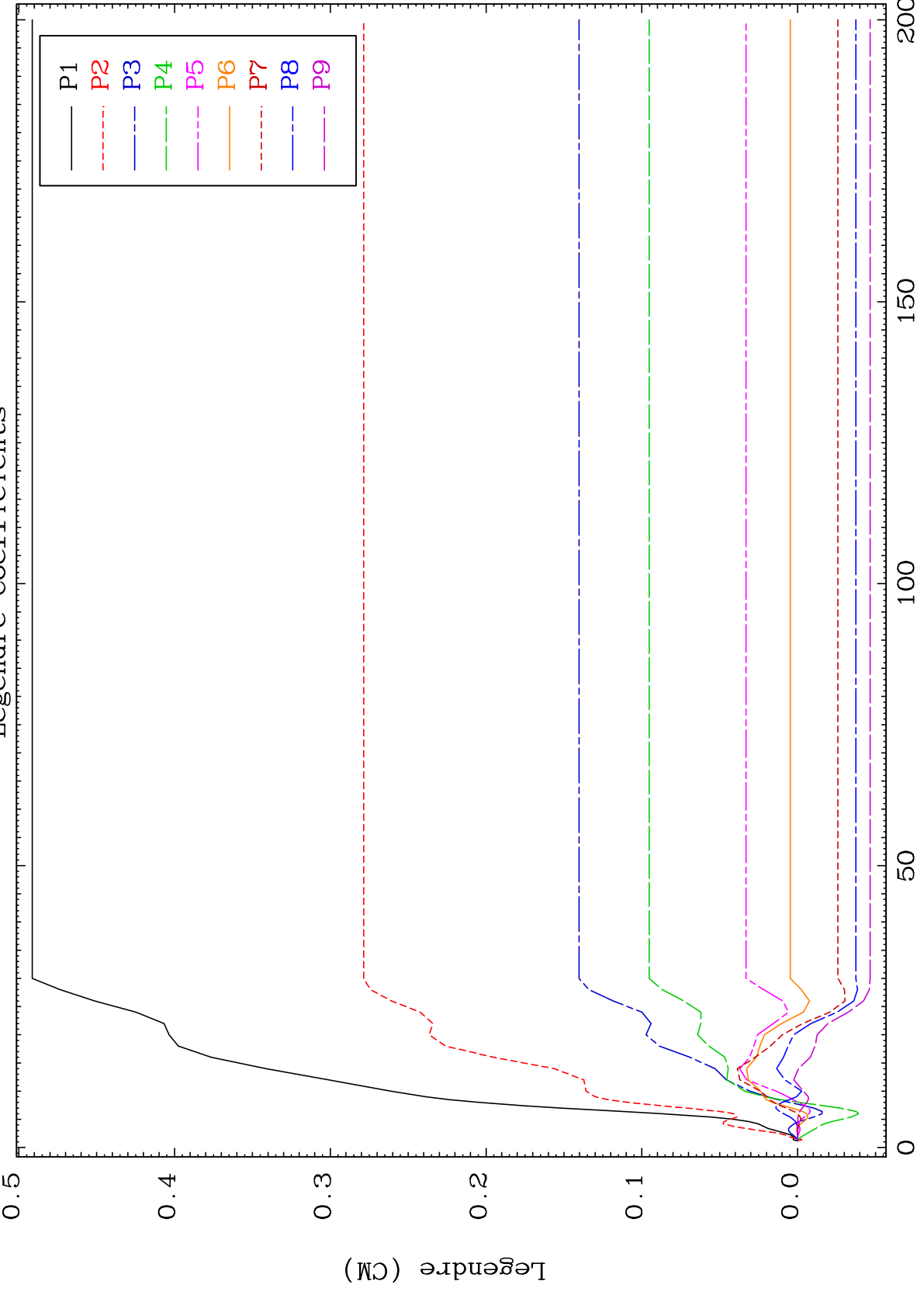


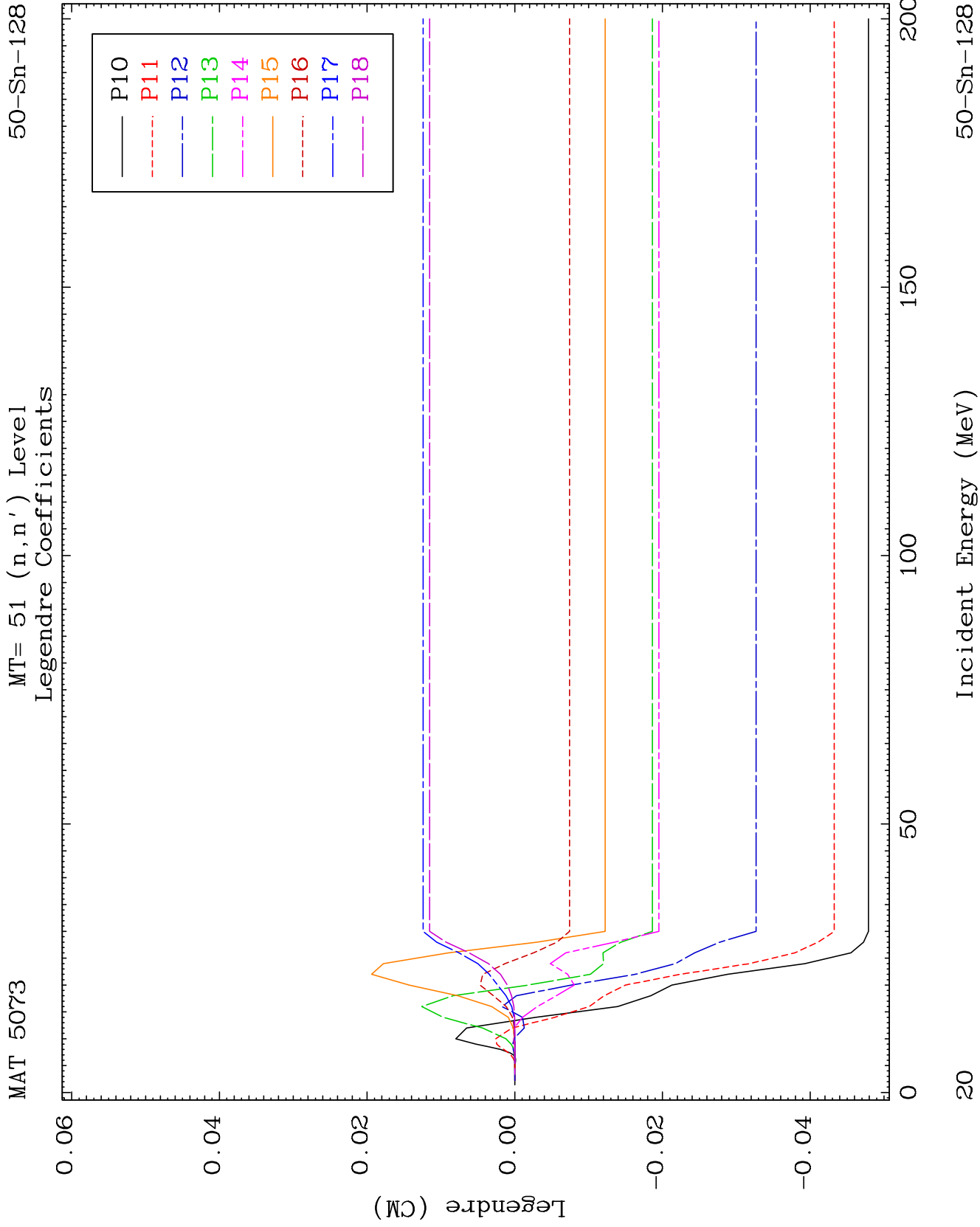
18

Incident Energy (MeV)

50-Sn-128

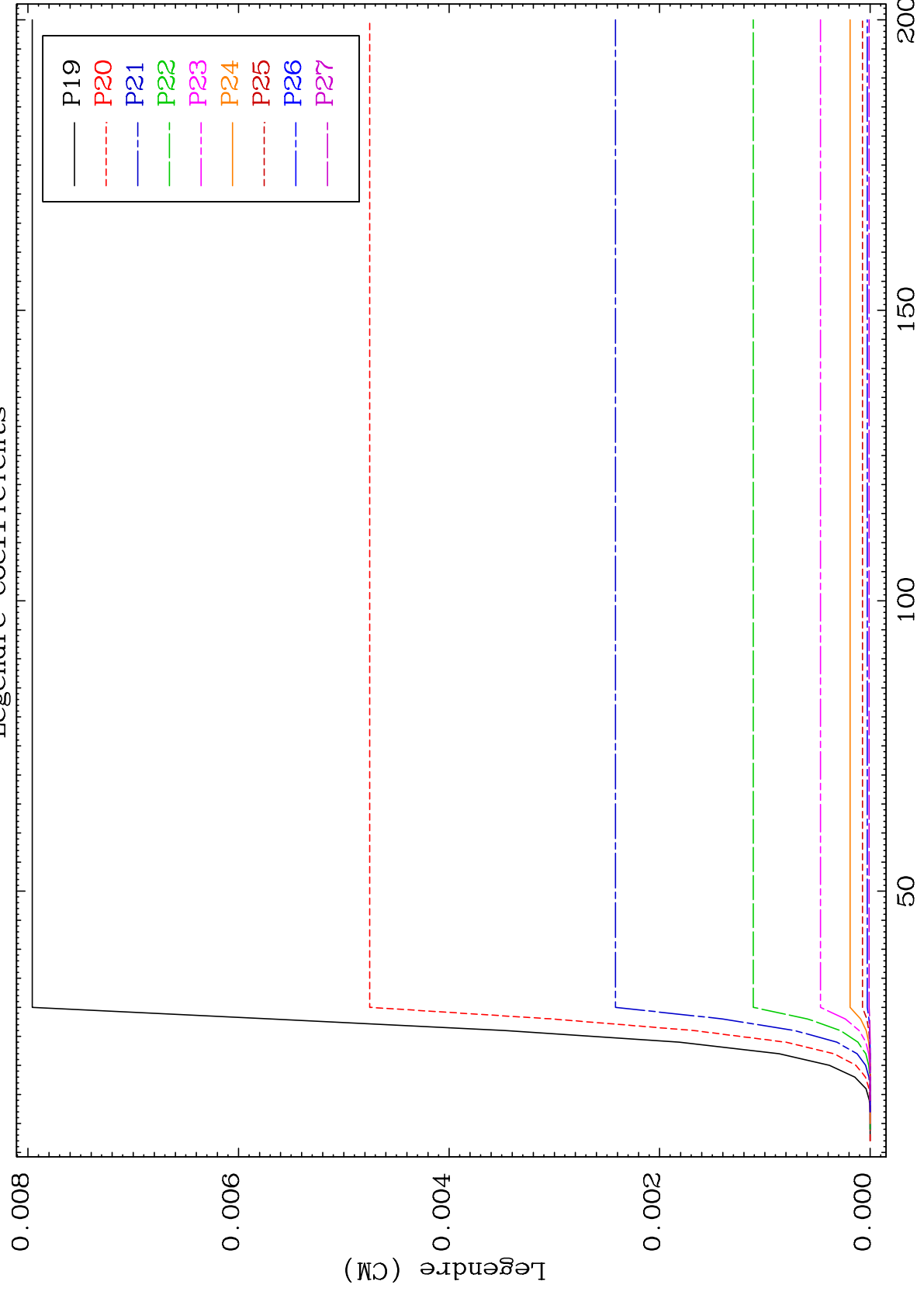
MAT 5073 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-128





MAT 5073 MT= 51 (n,n') Level Legendre Coefficients

50-Sn-128



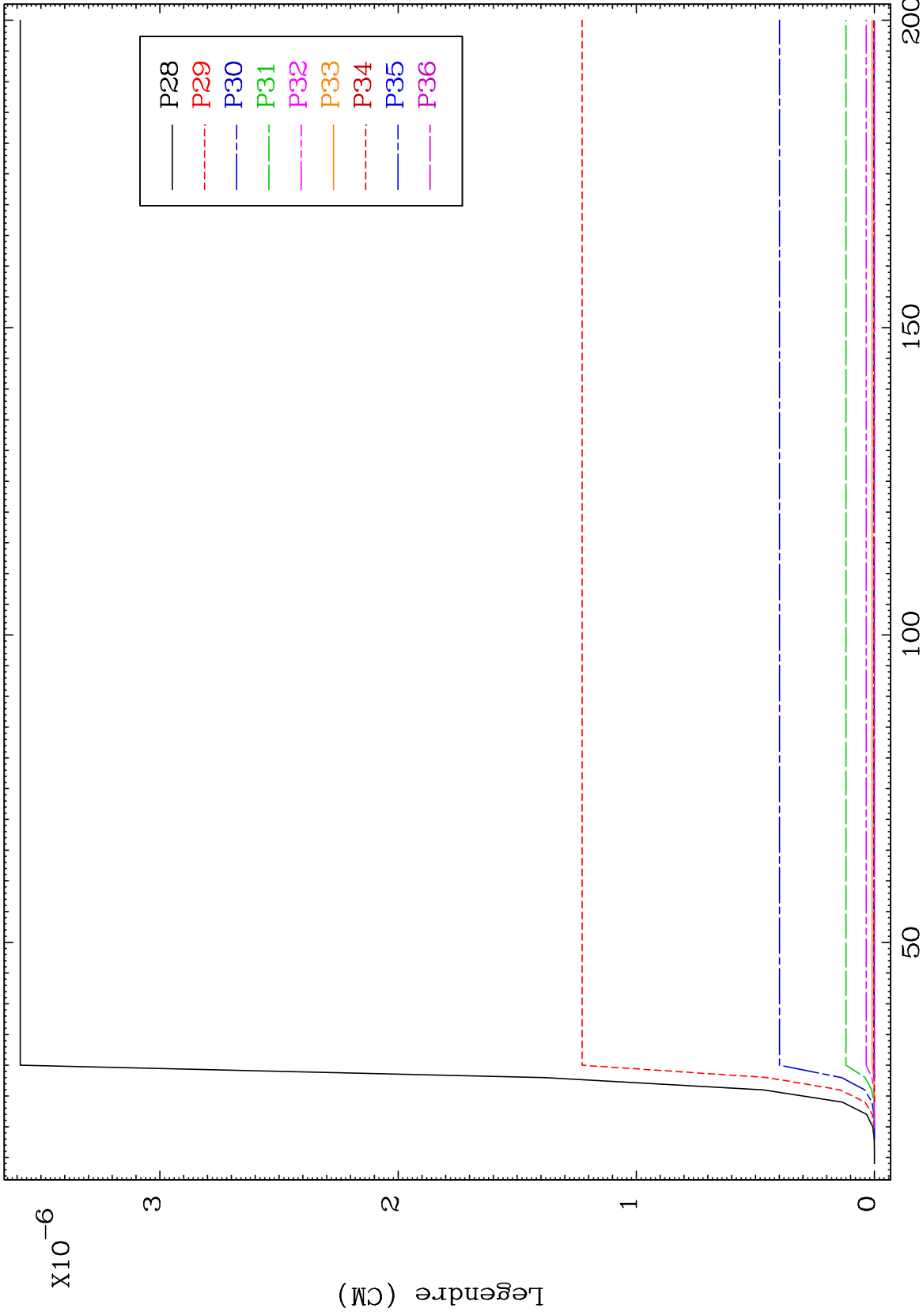
50-Sn-128

Incident Energy (MeV)

MAT 5073

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

50-Sn-128



22

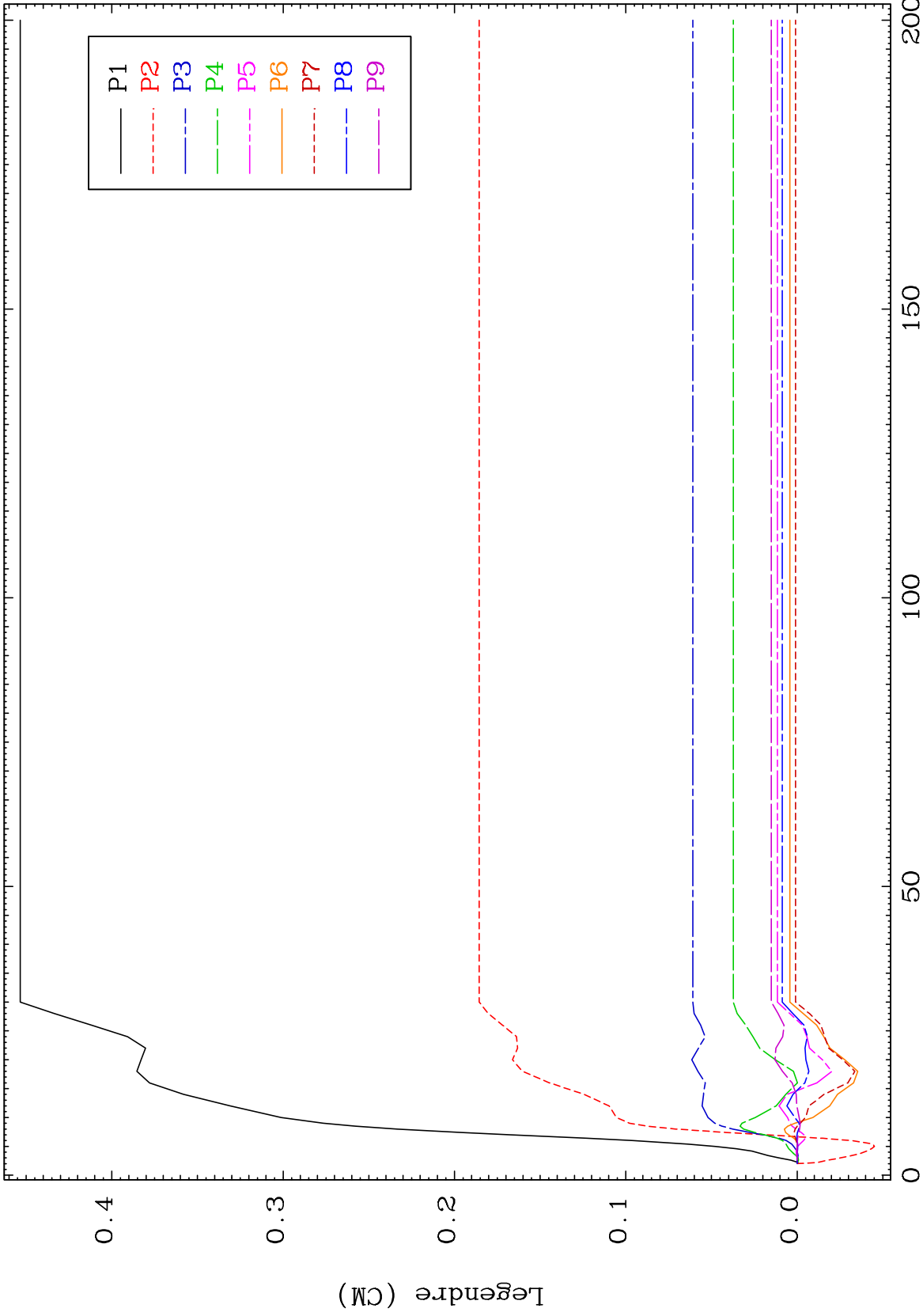
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



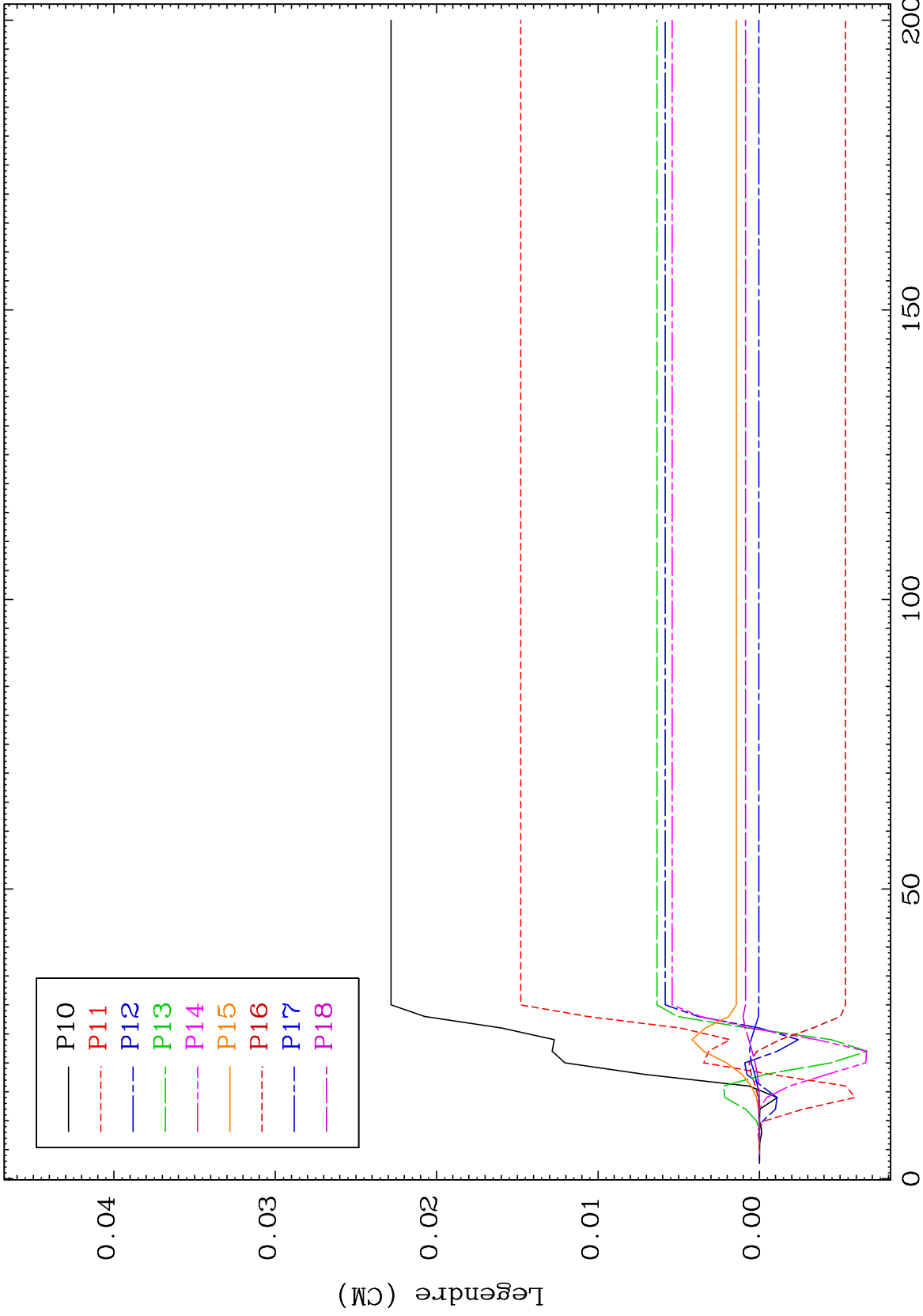
23

50-Sn-128

MAT 5073

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

50-Sn-128

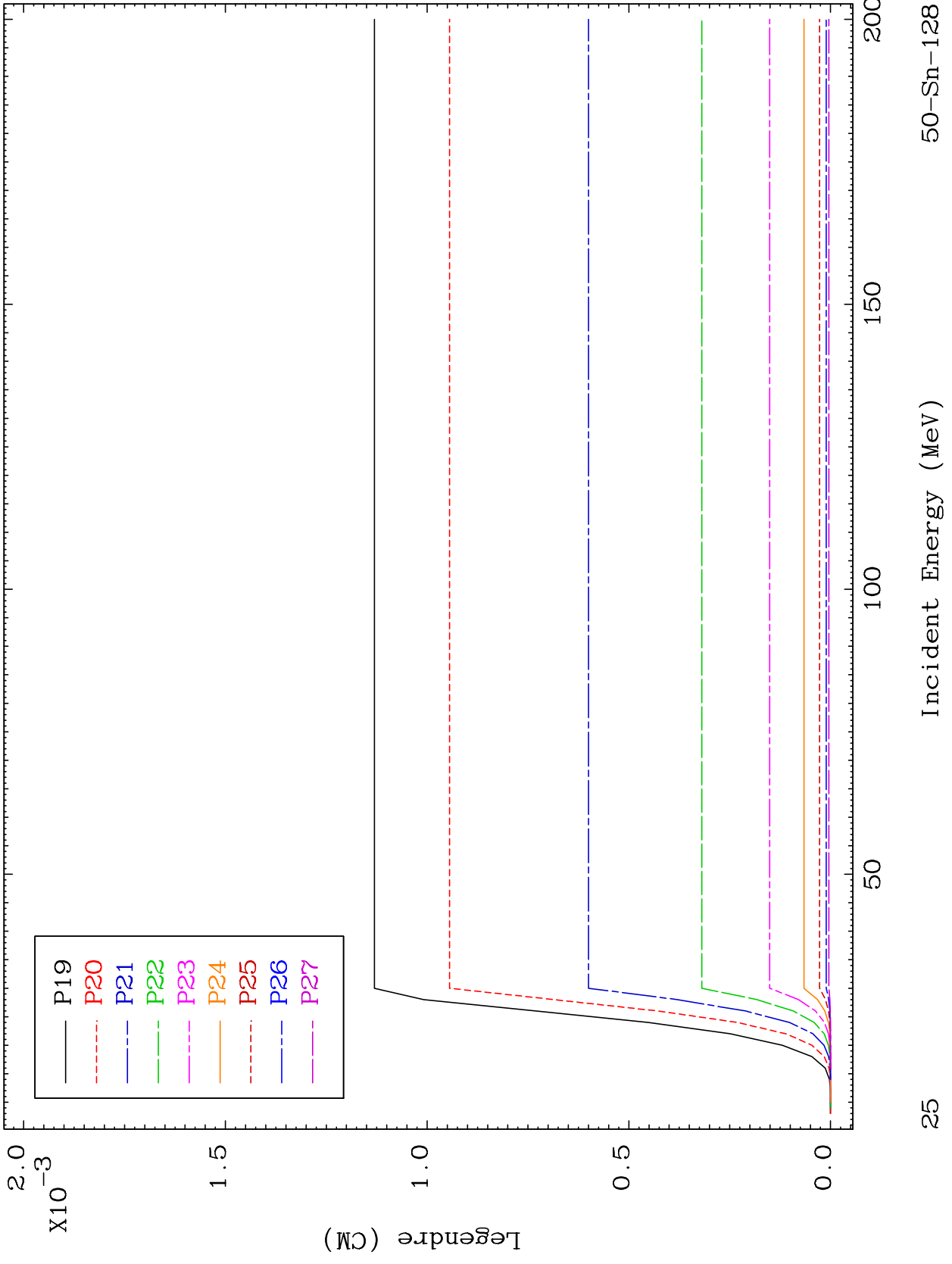


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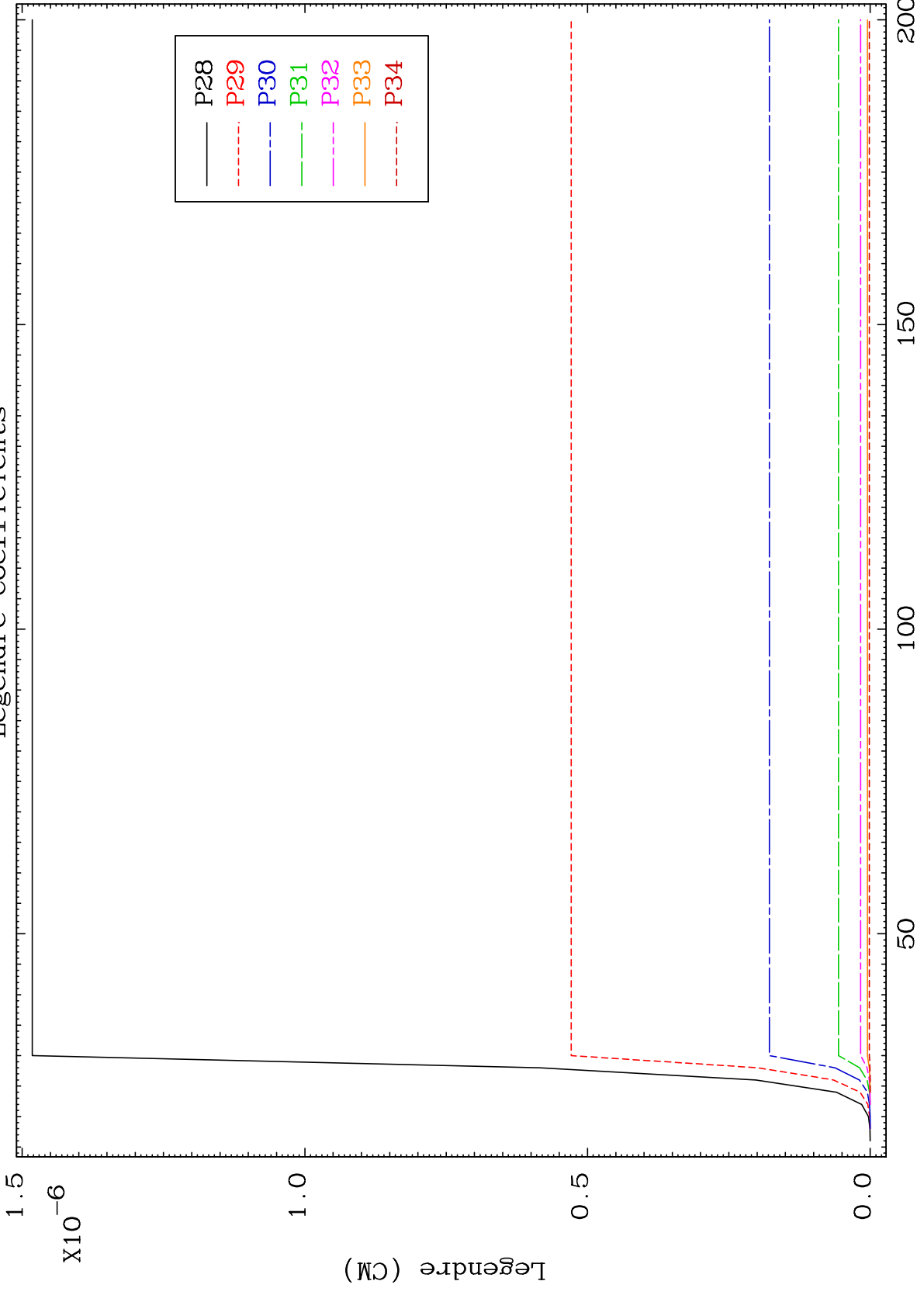
Incident Energy (MeV)

50-Sn-128

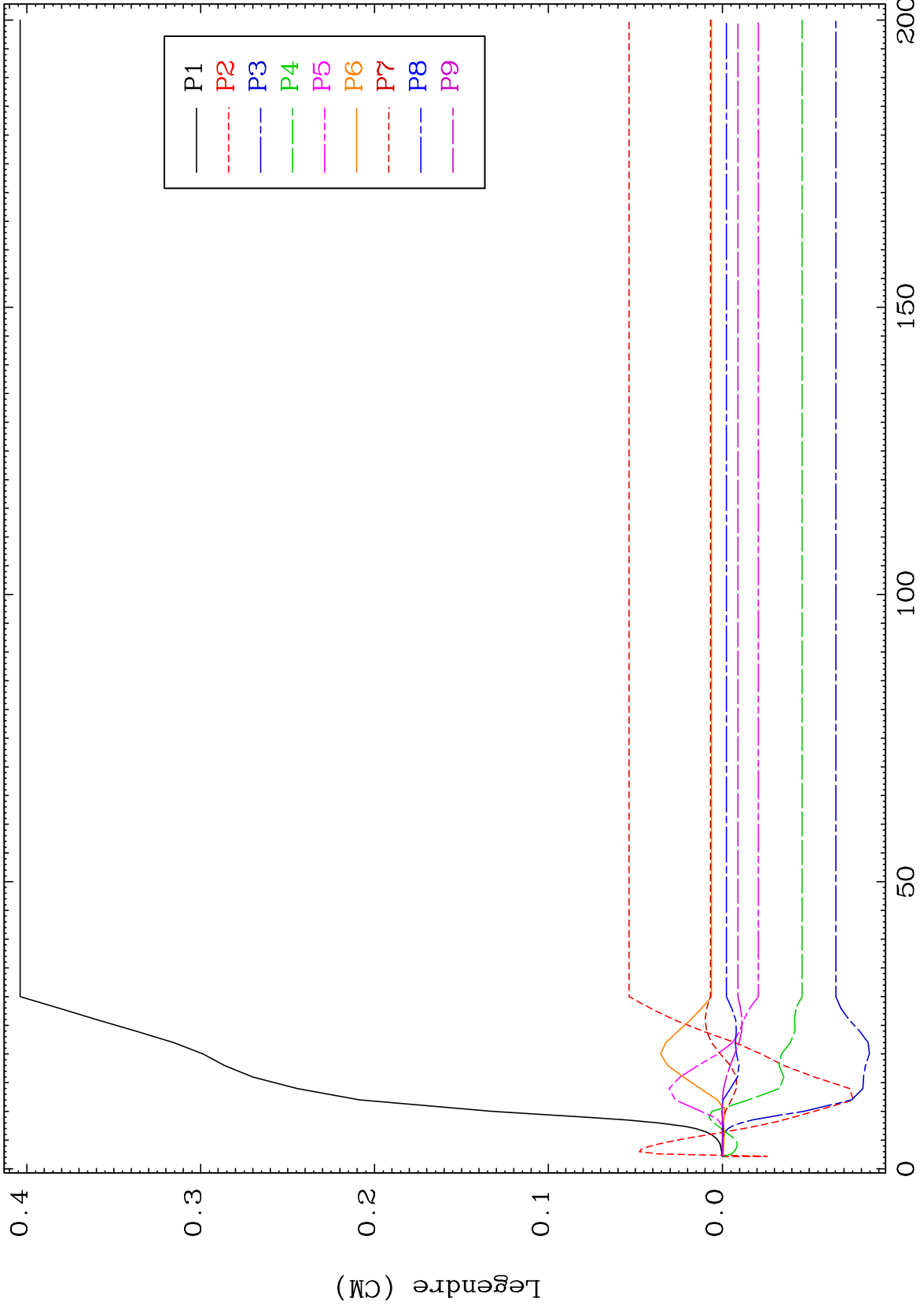
MAT 5073 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-128



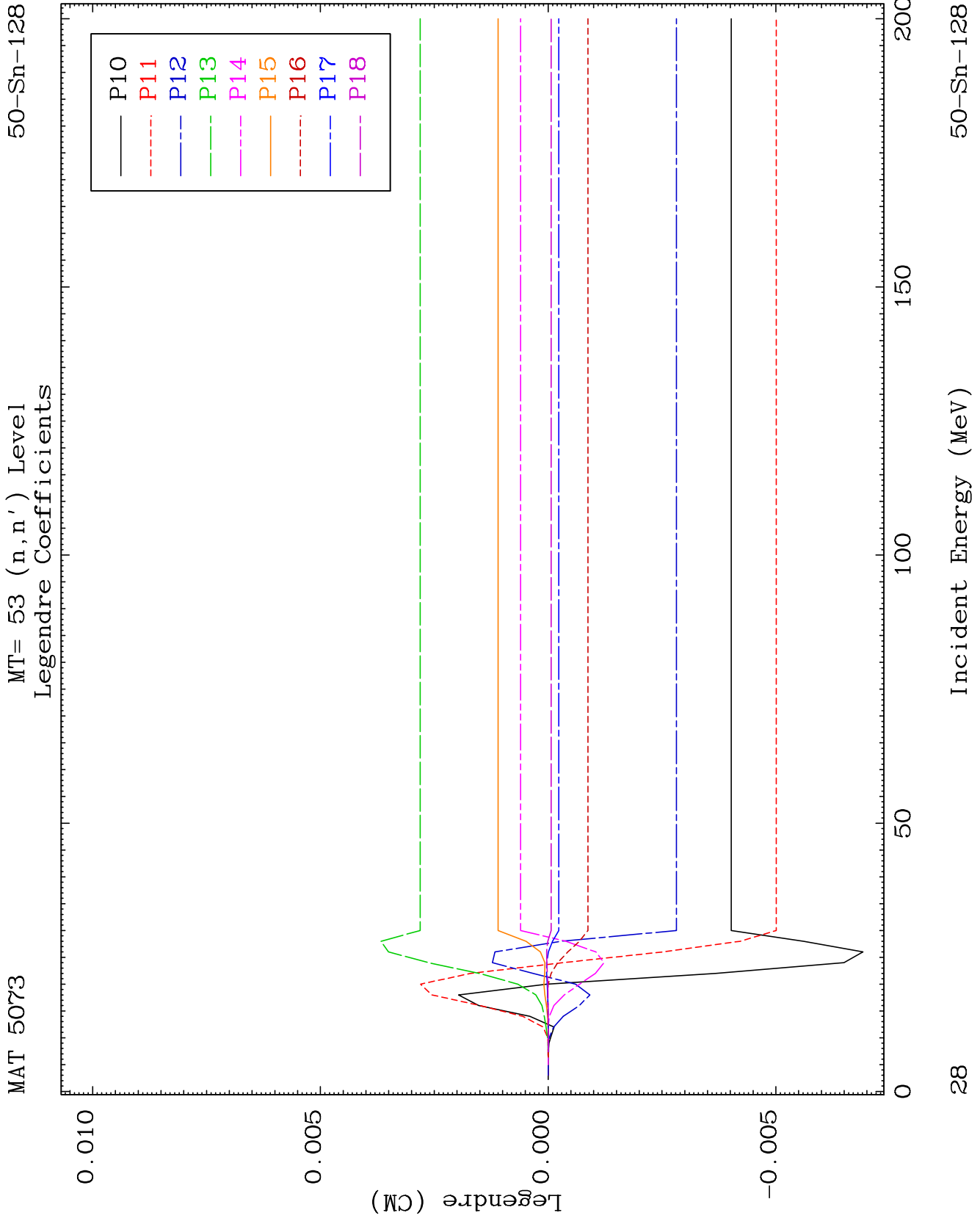
MAT 5073 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-128



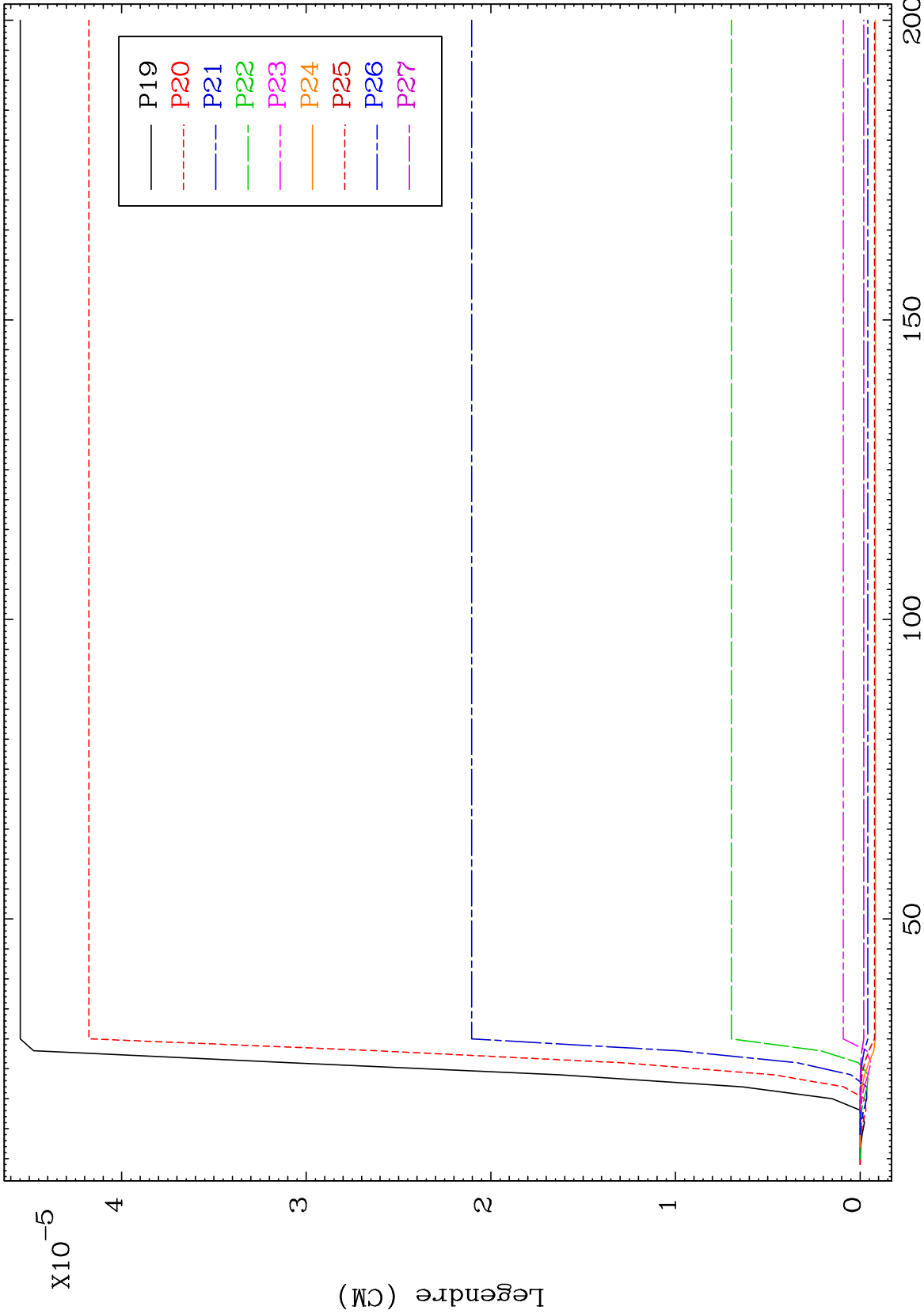
27 50-Sn-128



MAT 5073

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

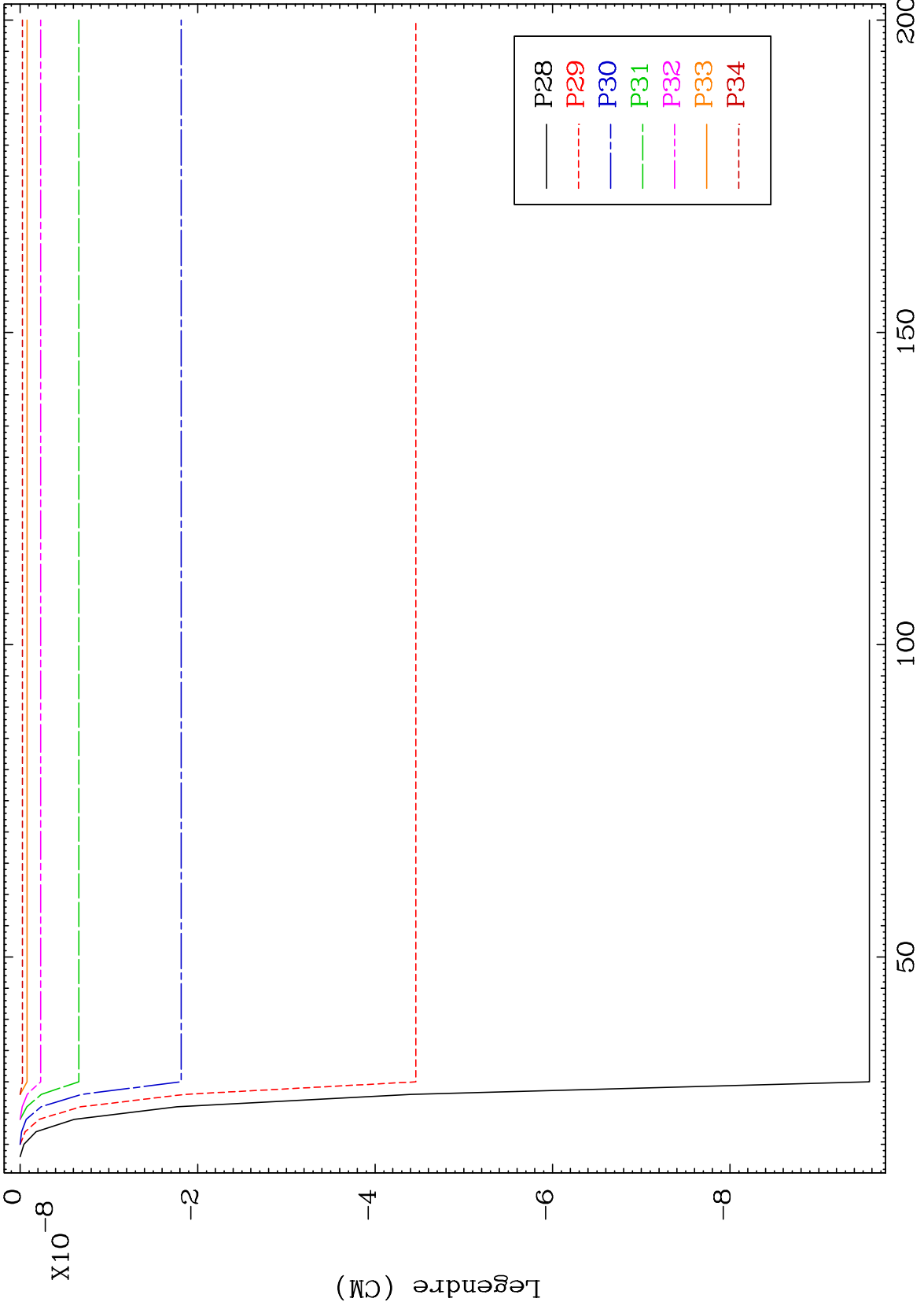
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29

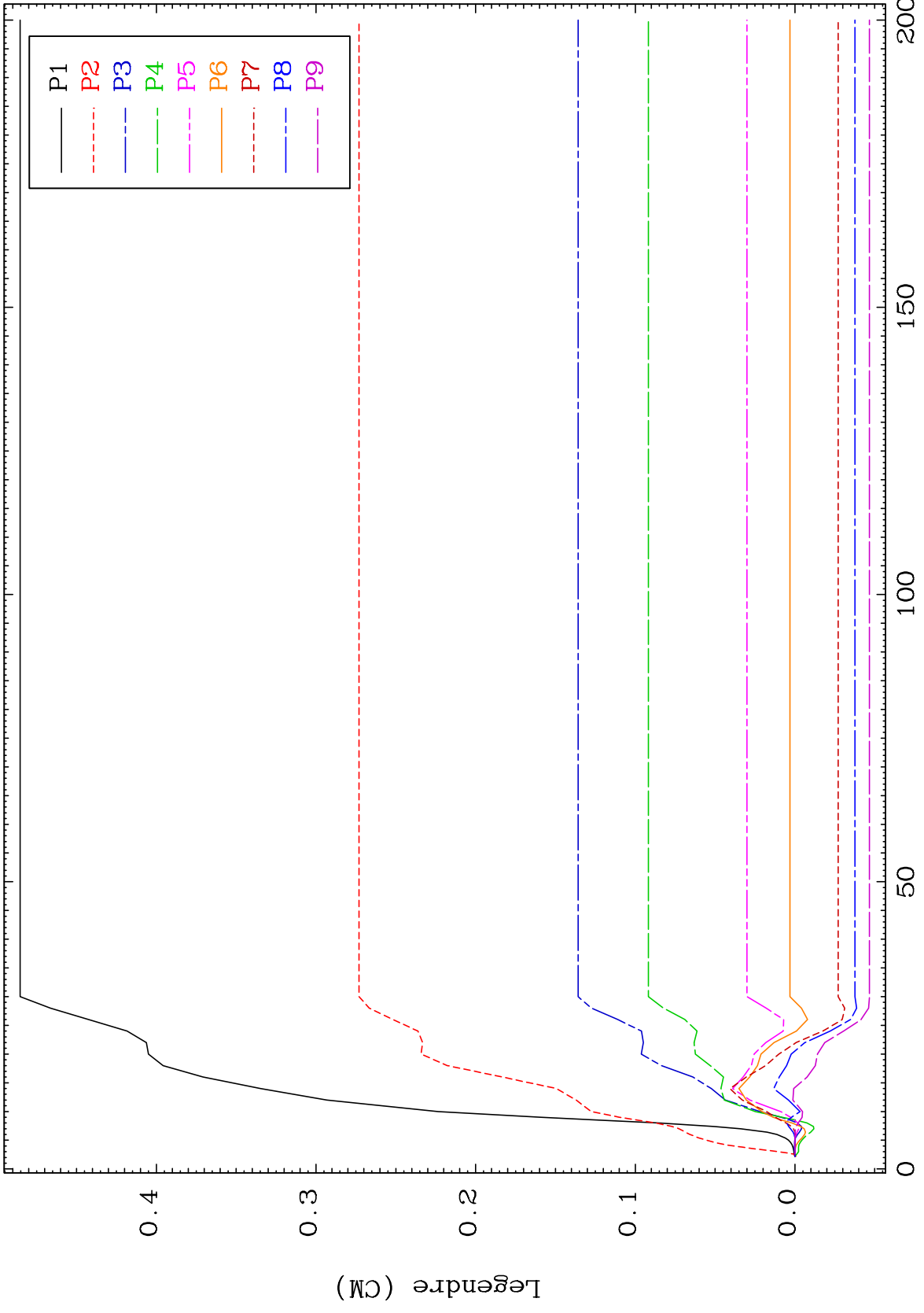
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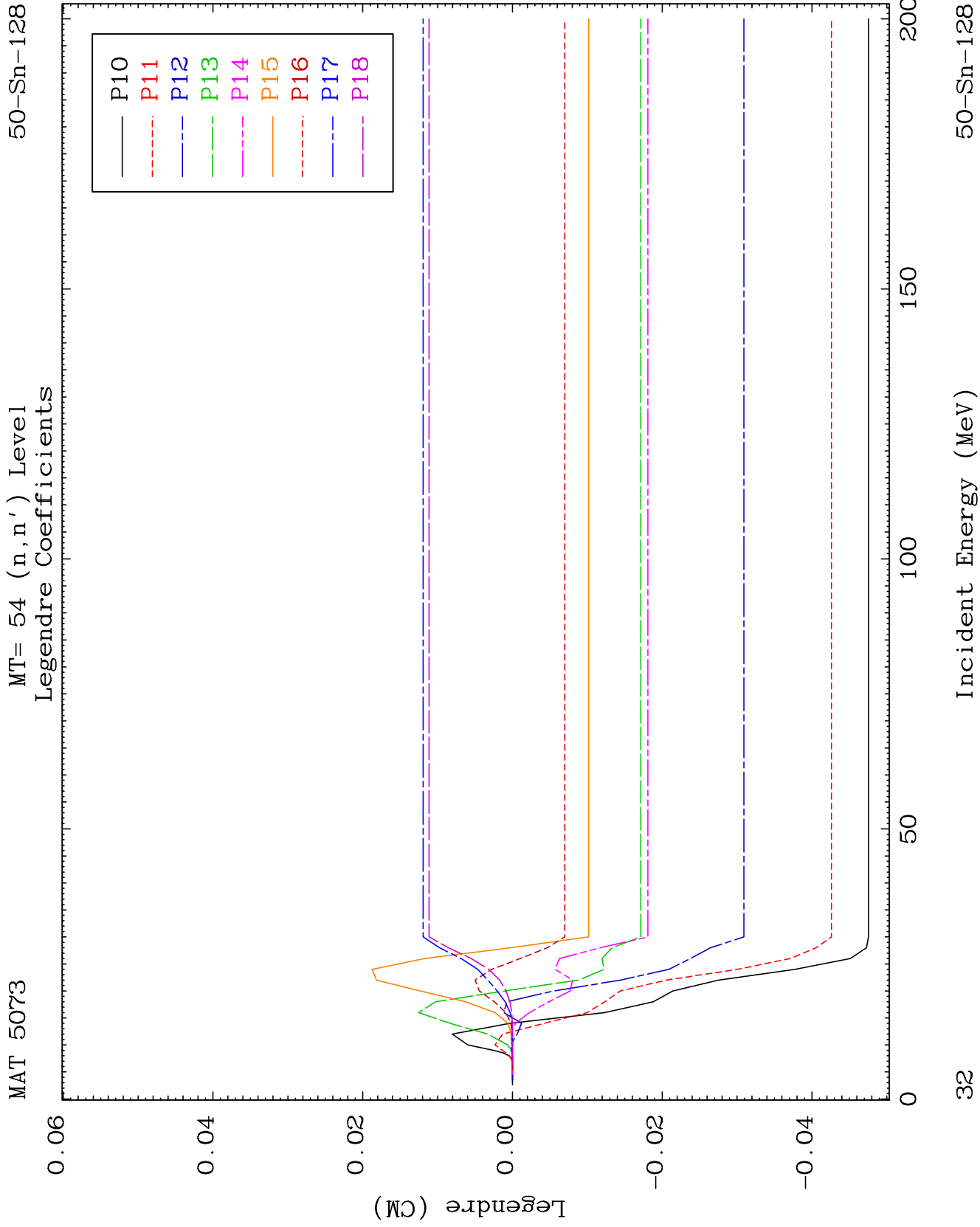
MAT 5073 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-128



30 50 100 150 200 Incident Energy (MeV) 50-Sn-128

MAT 5073 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-128

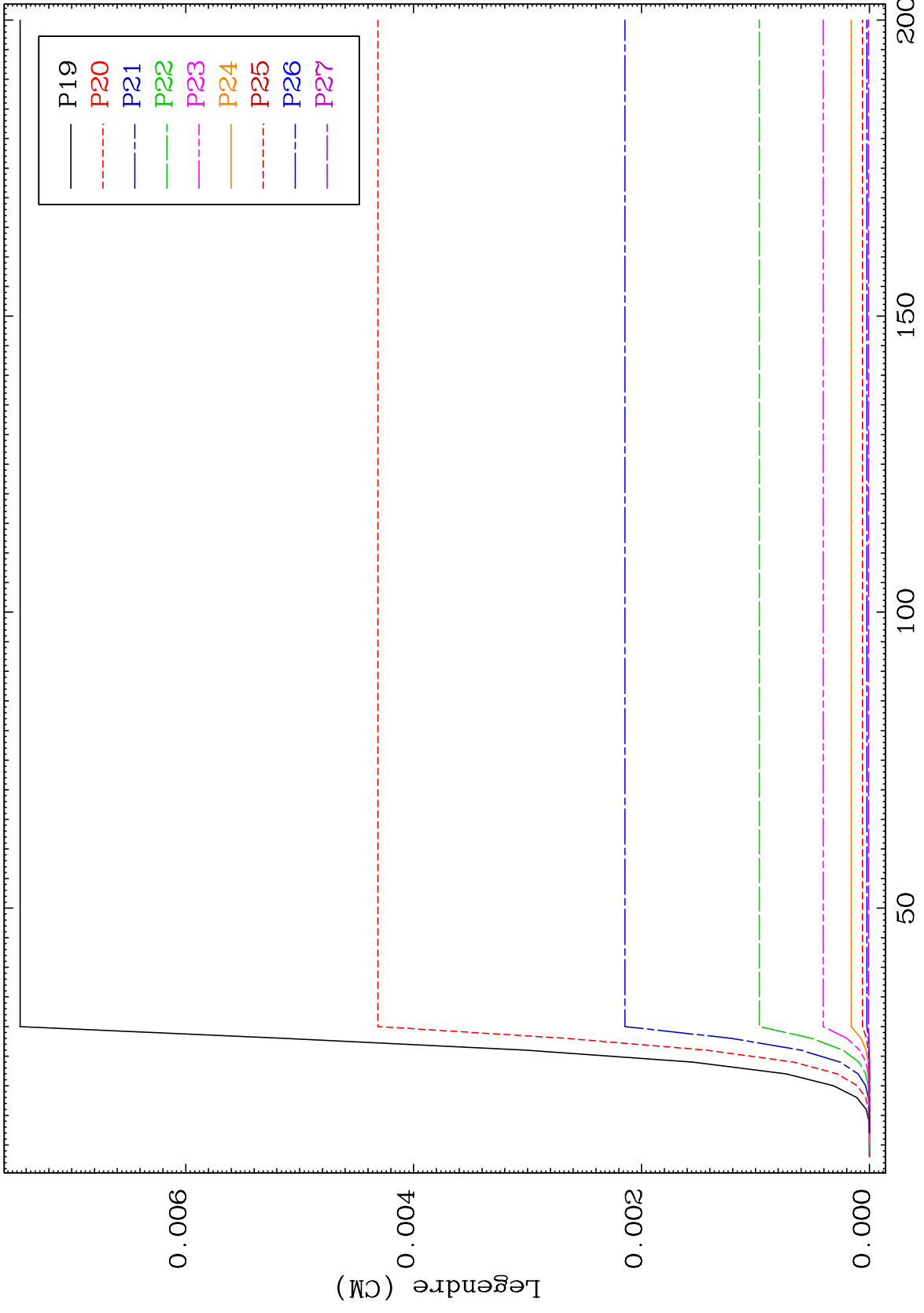




MAT 5073

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

50-Sn-128

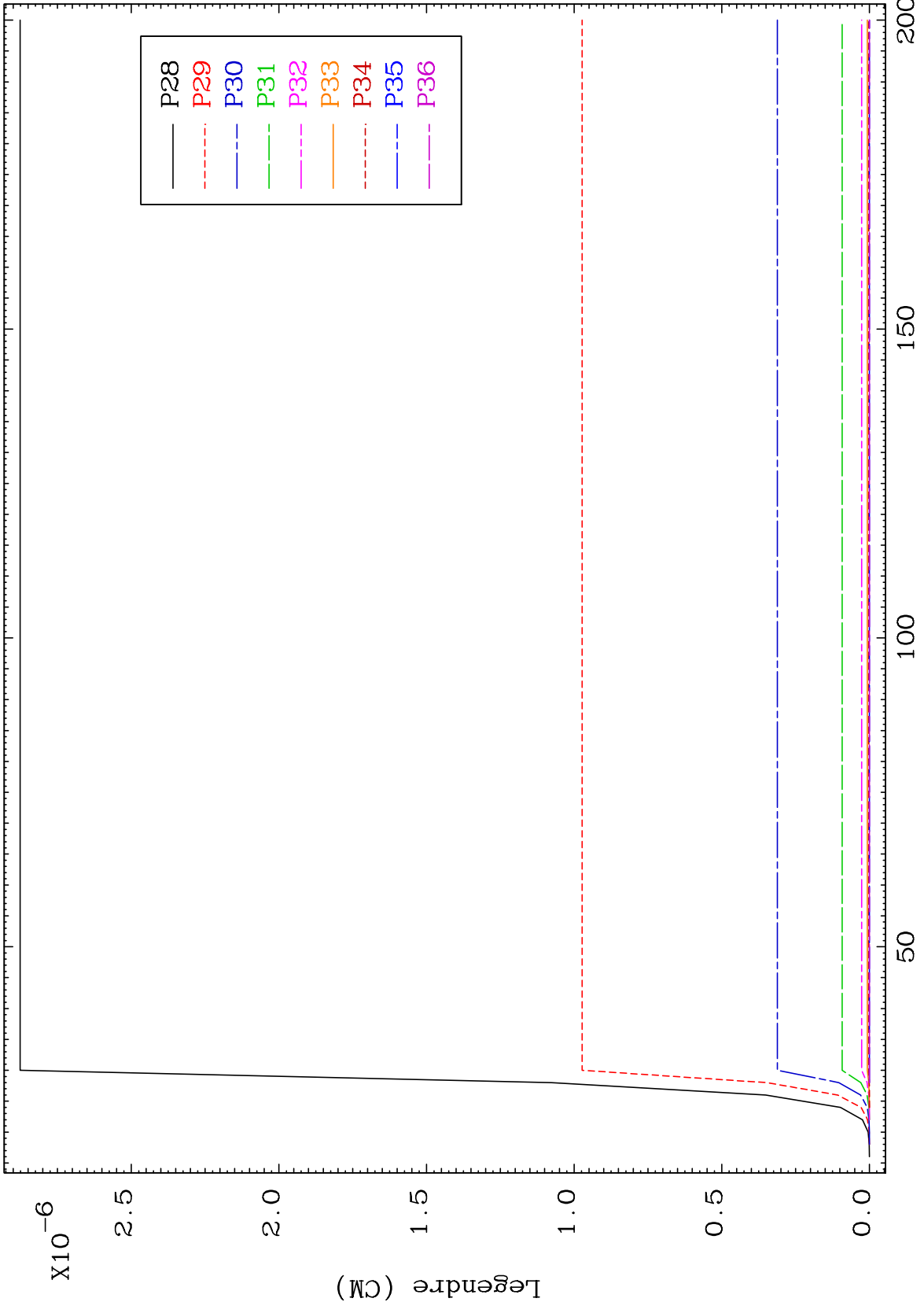


33

Incident Energy (MeV)

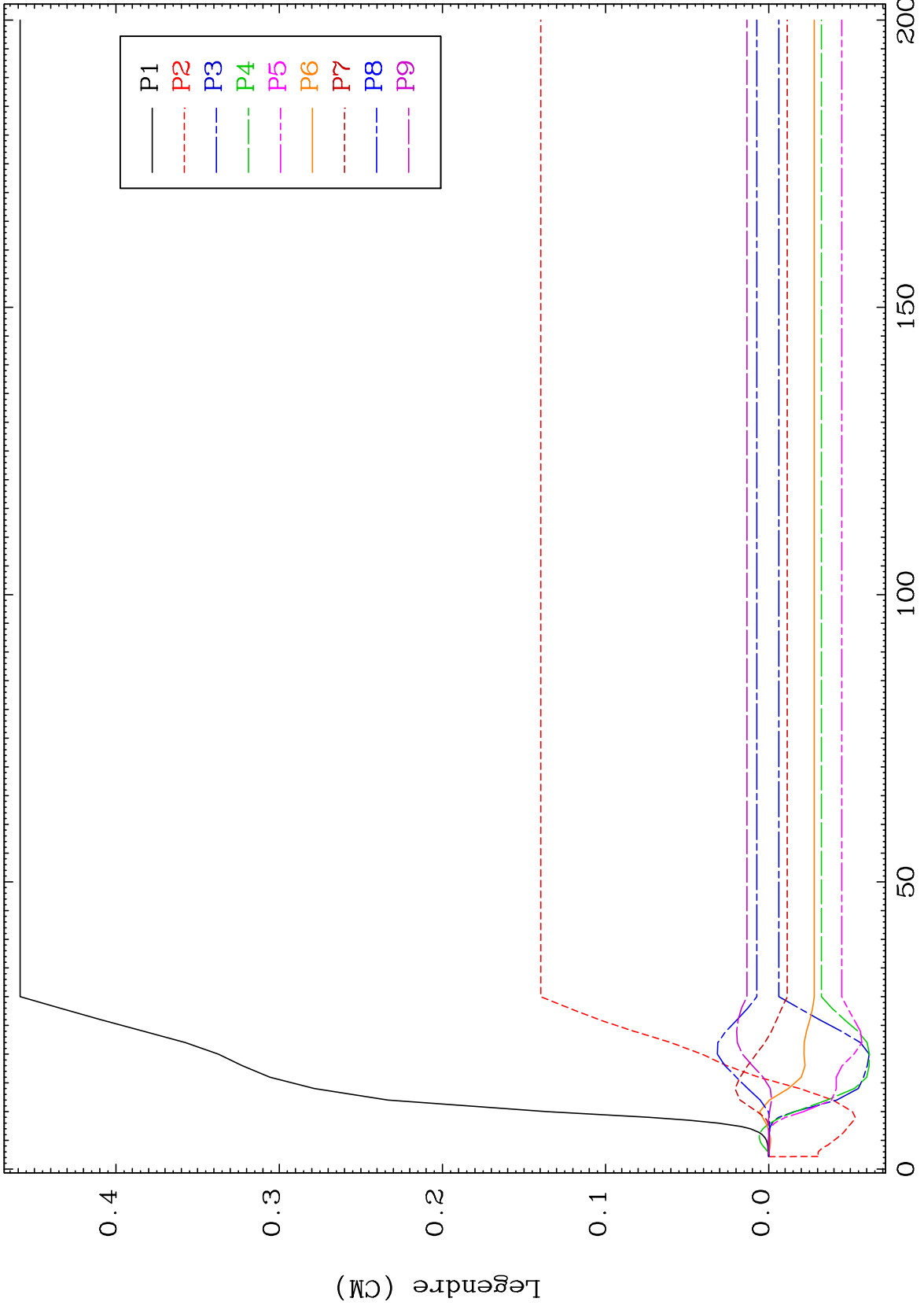
50-Sn-128

MAT 5073 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-128



34 50-Sn-128

MAT 5073 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-128

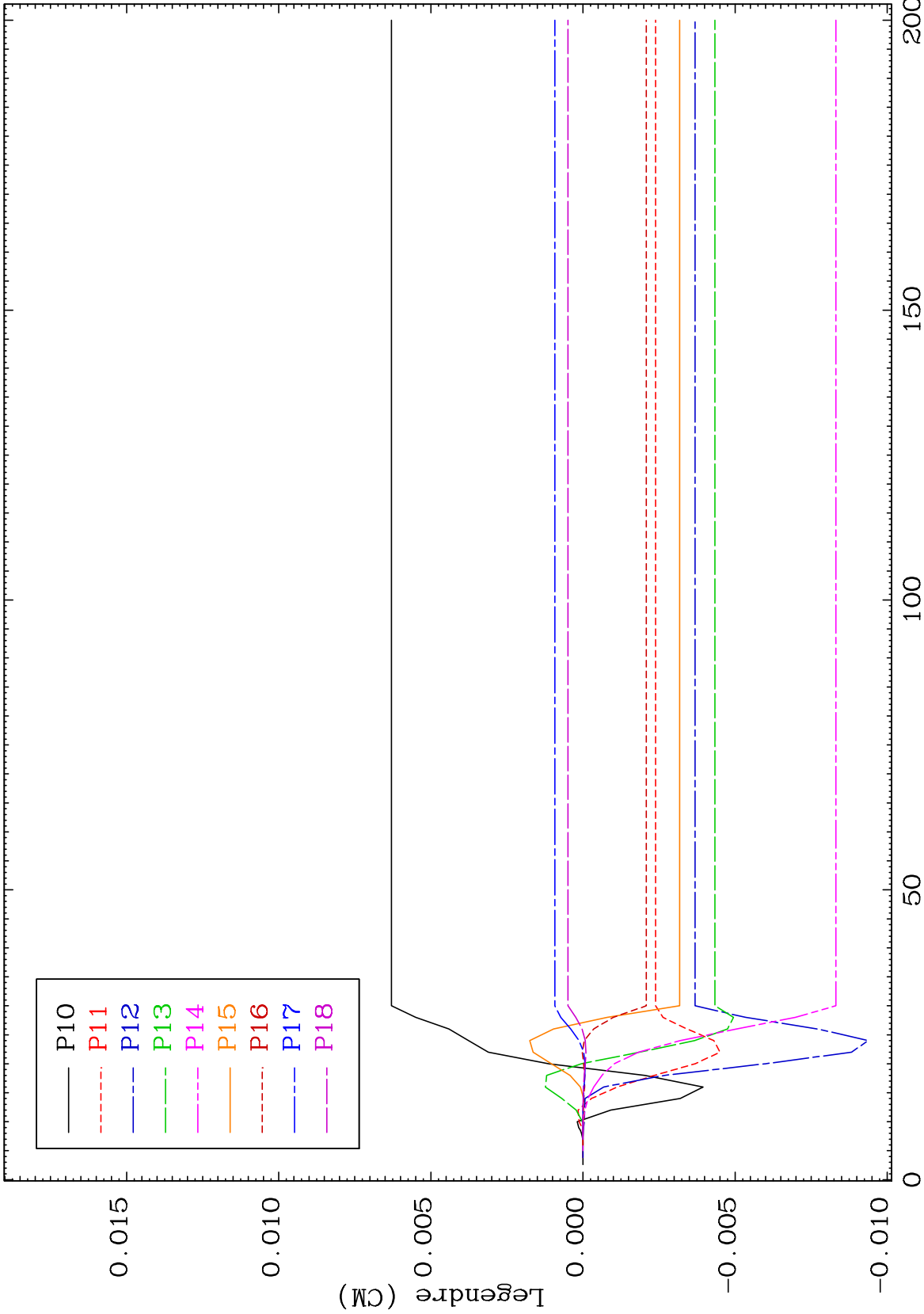


35 Incident Energy (MeV) 50-Sn-128

MAT 5073

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

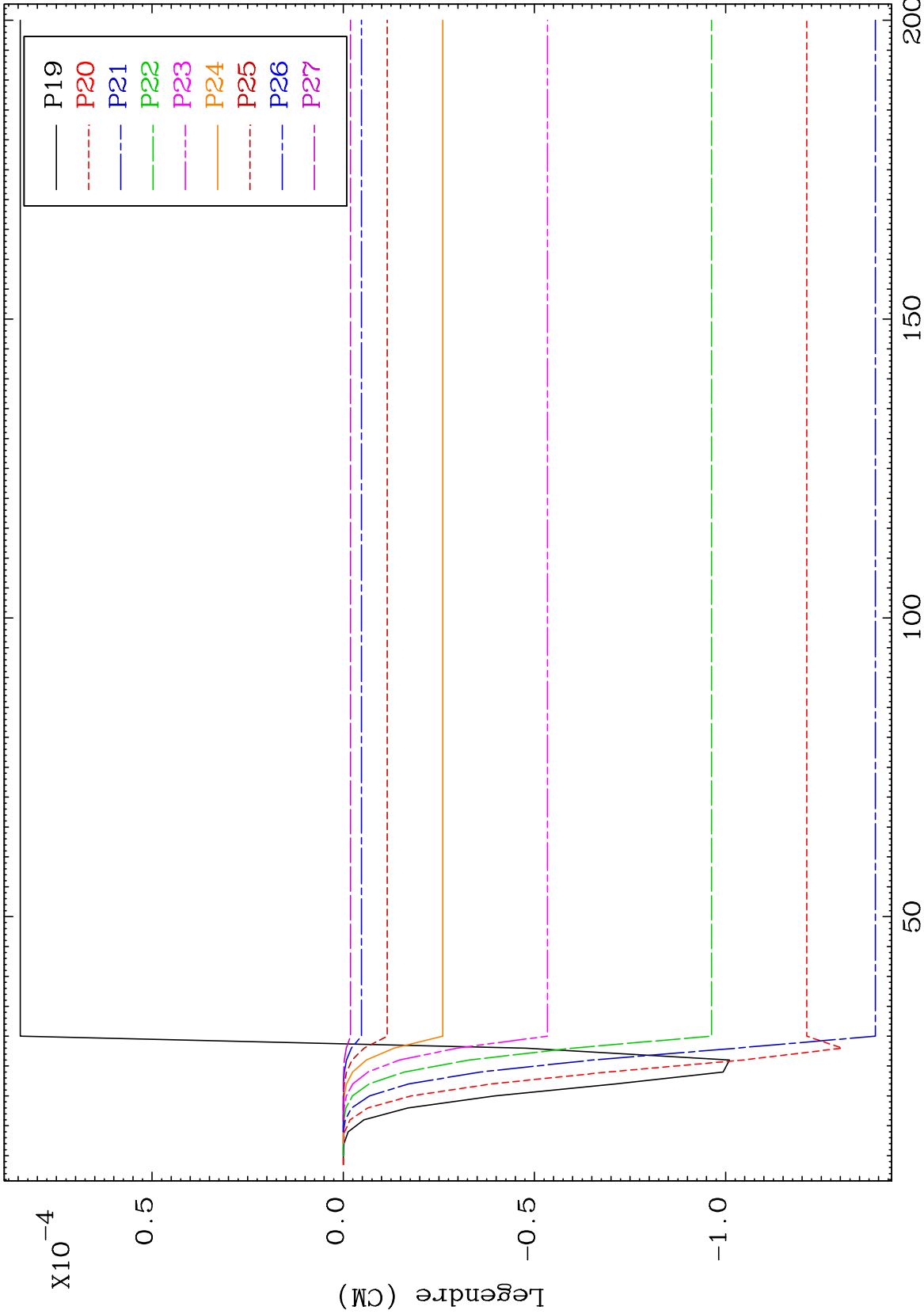
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MAT 5073

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

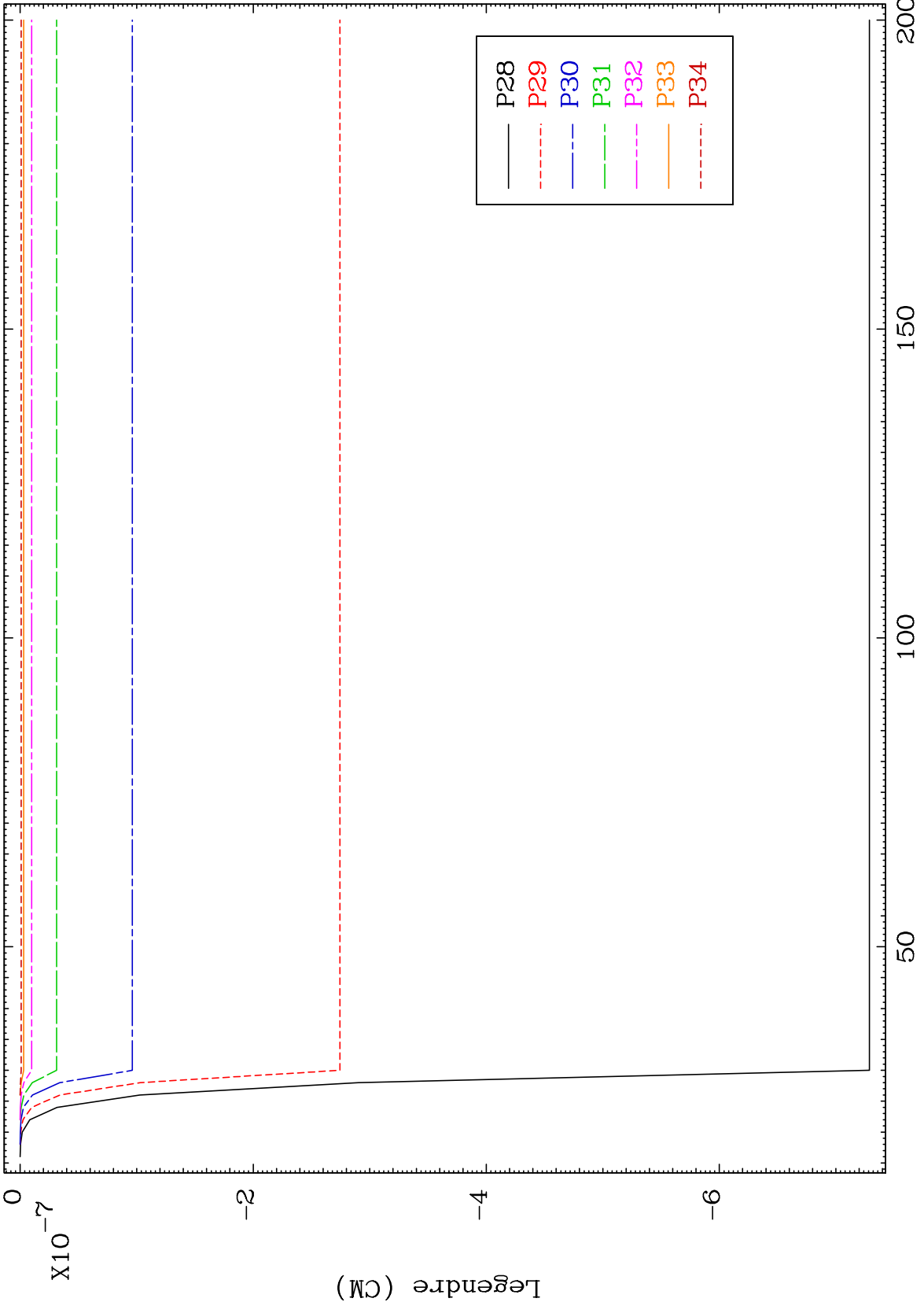
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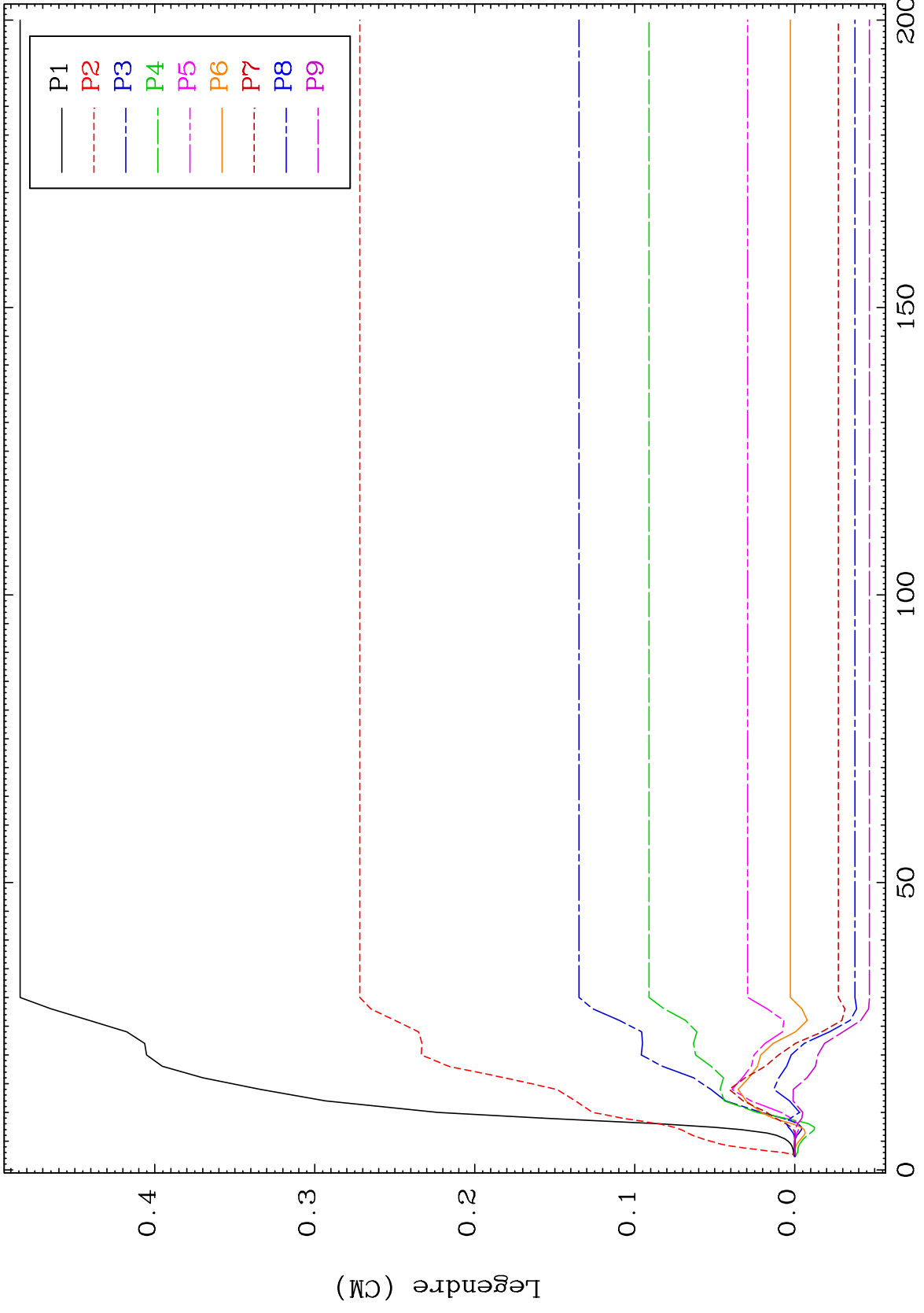
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50-Sn-128

MAT 5073 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-128



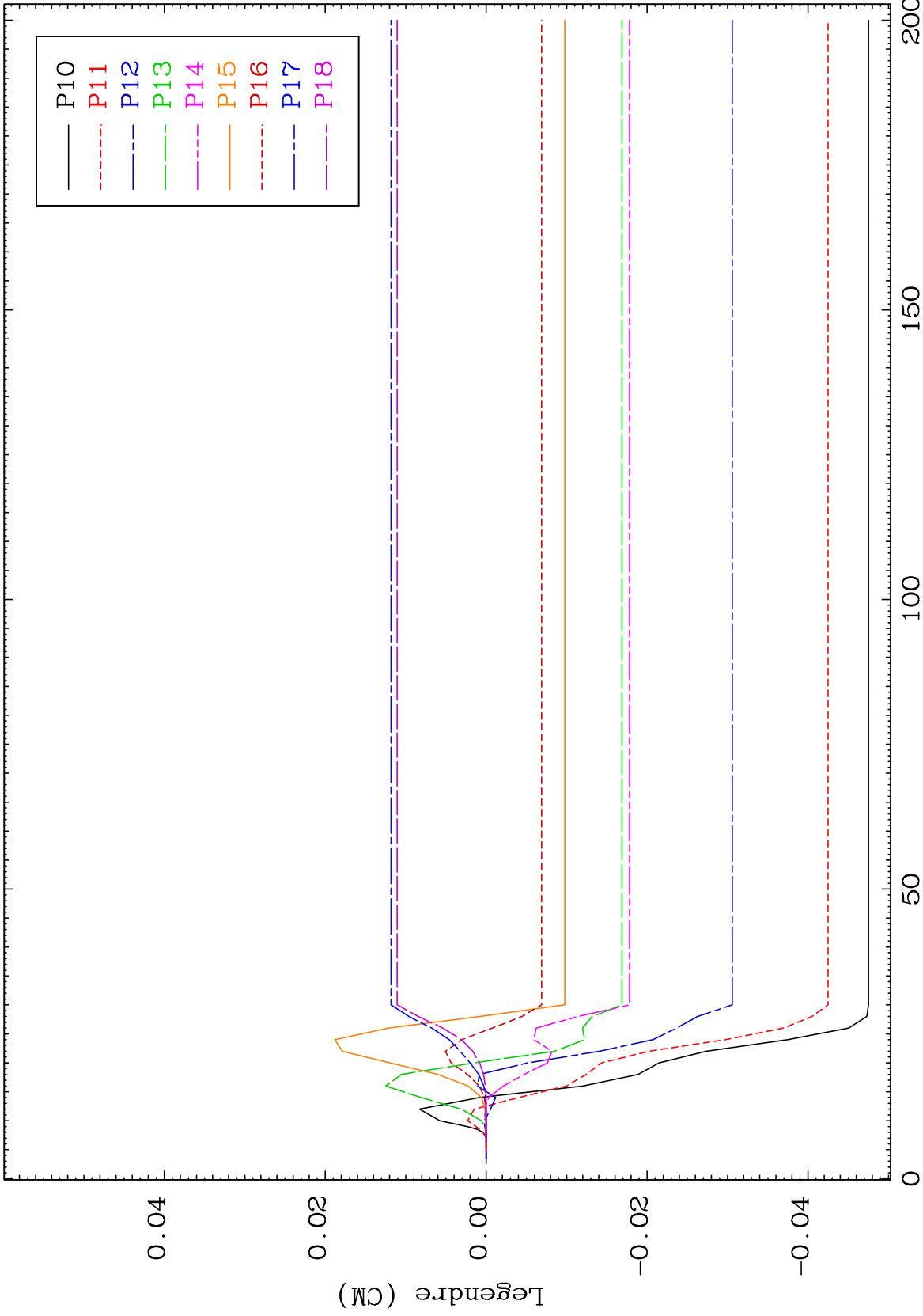
MAT 5073 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

50-Sn-128



40

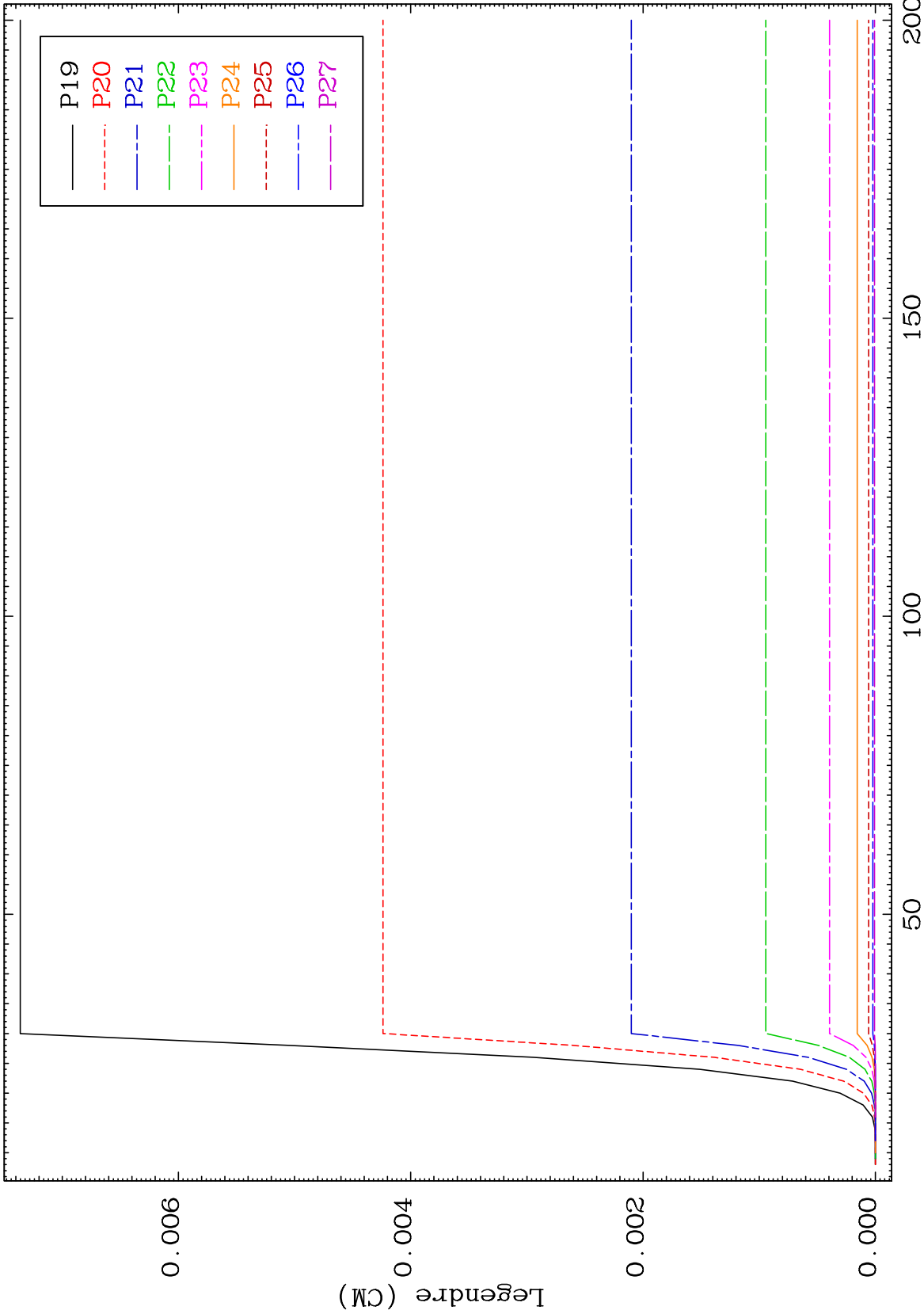
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

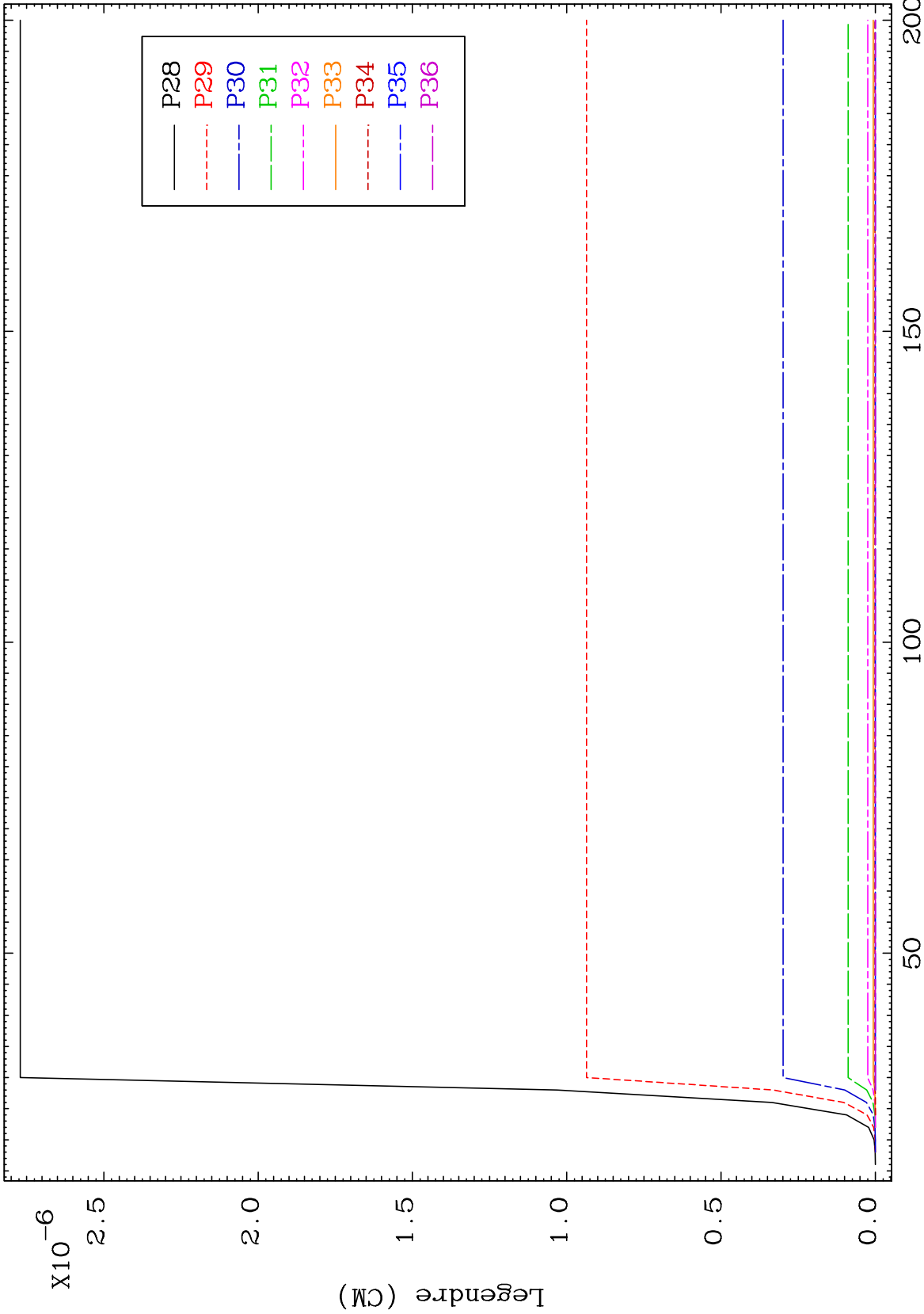
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MAT 5073

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

50-Sn-128



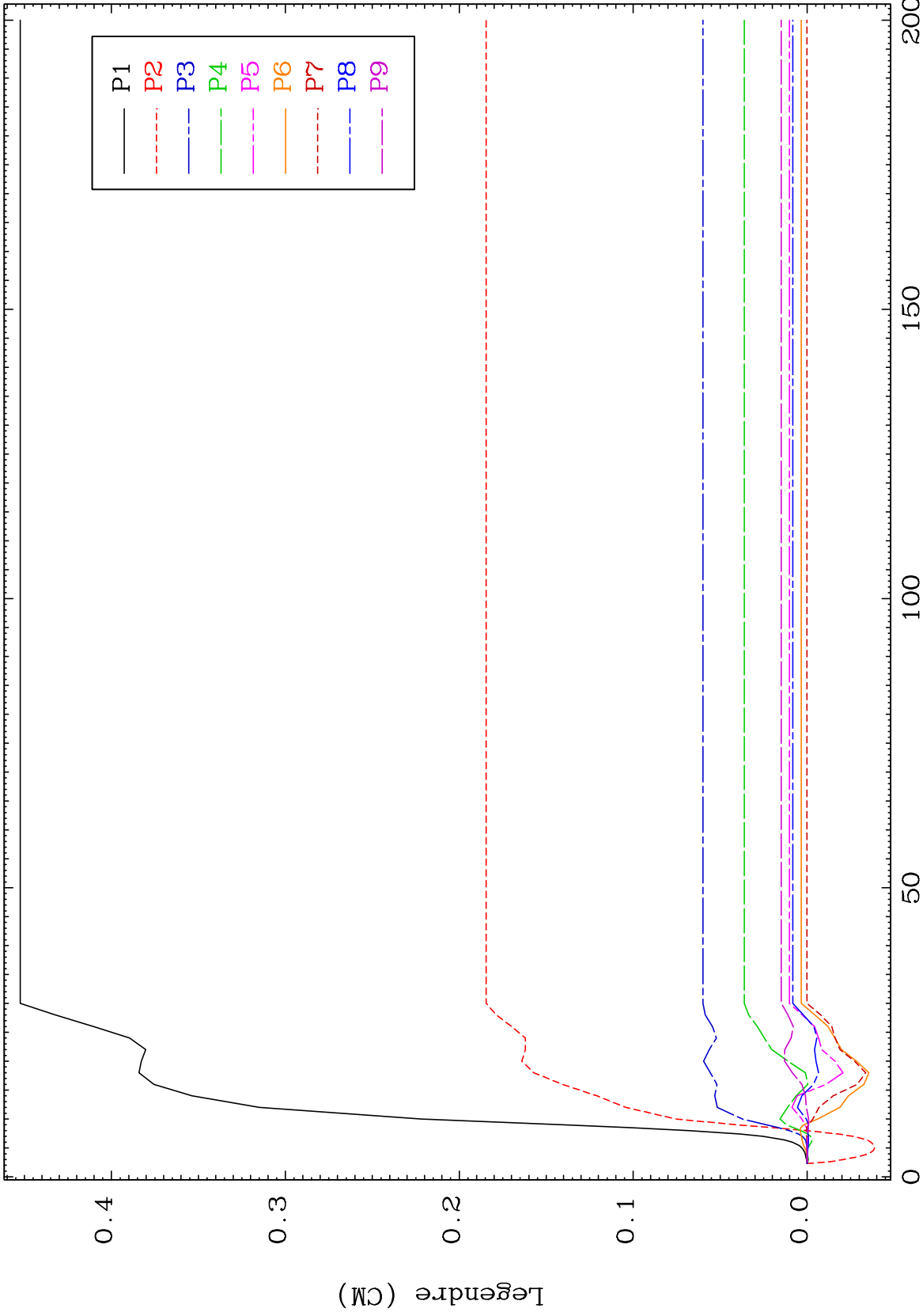
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50-Sn-128

MAT 5073

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

50-Sn-128



43

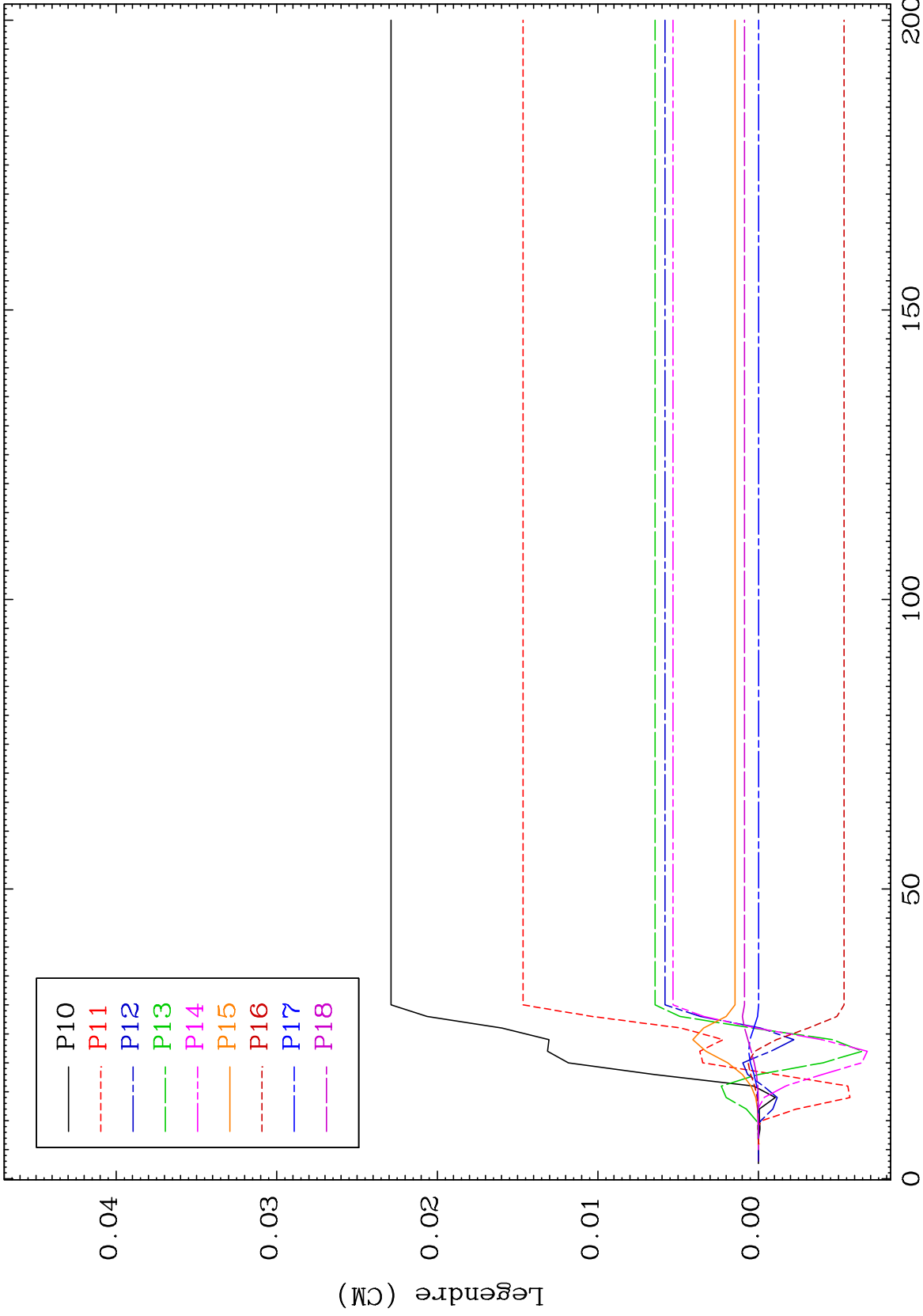
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

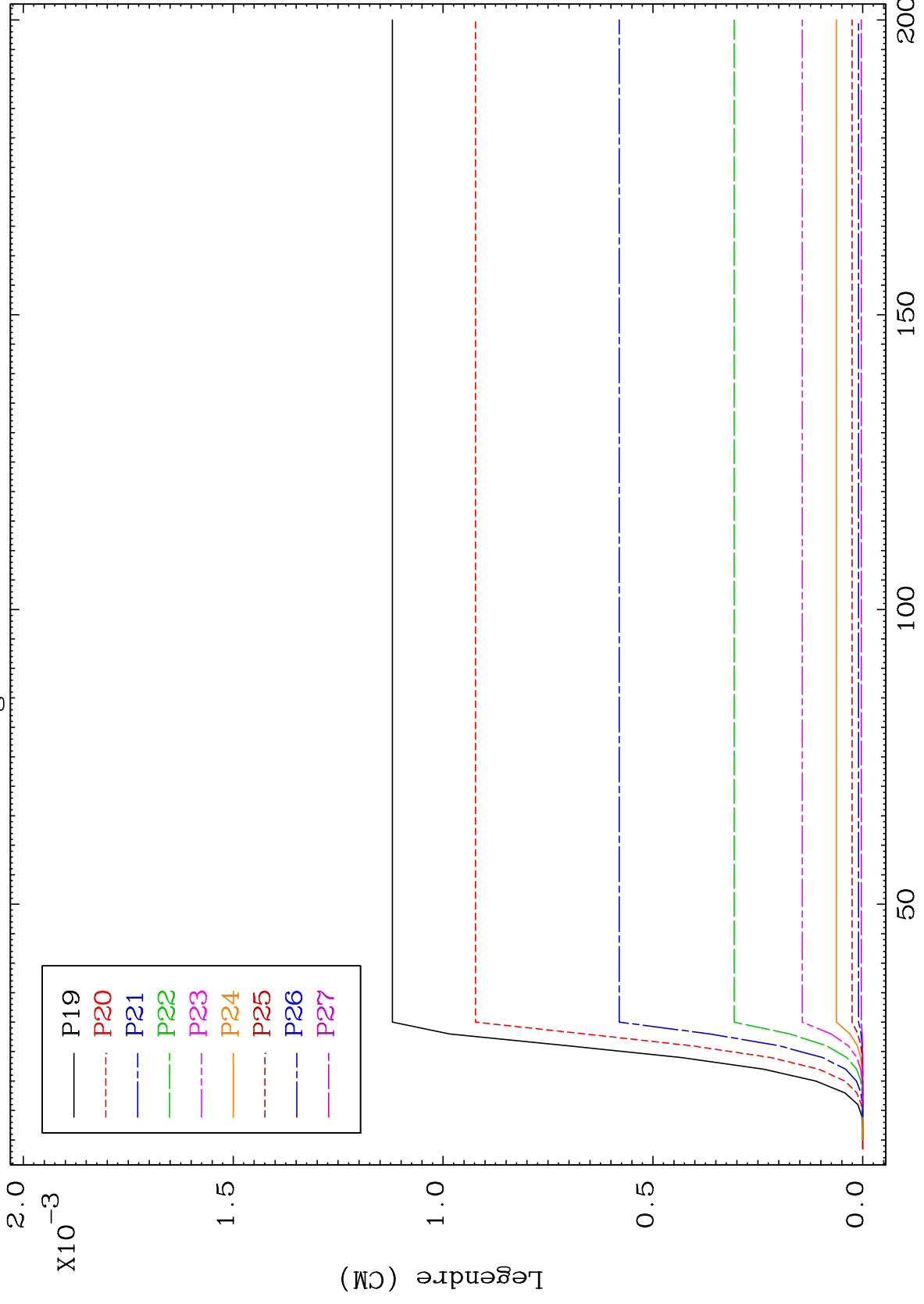


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Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-128



45

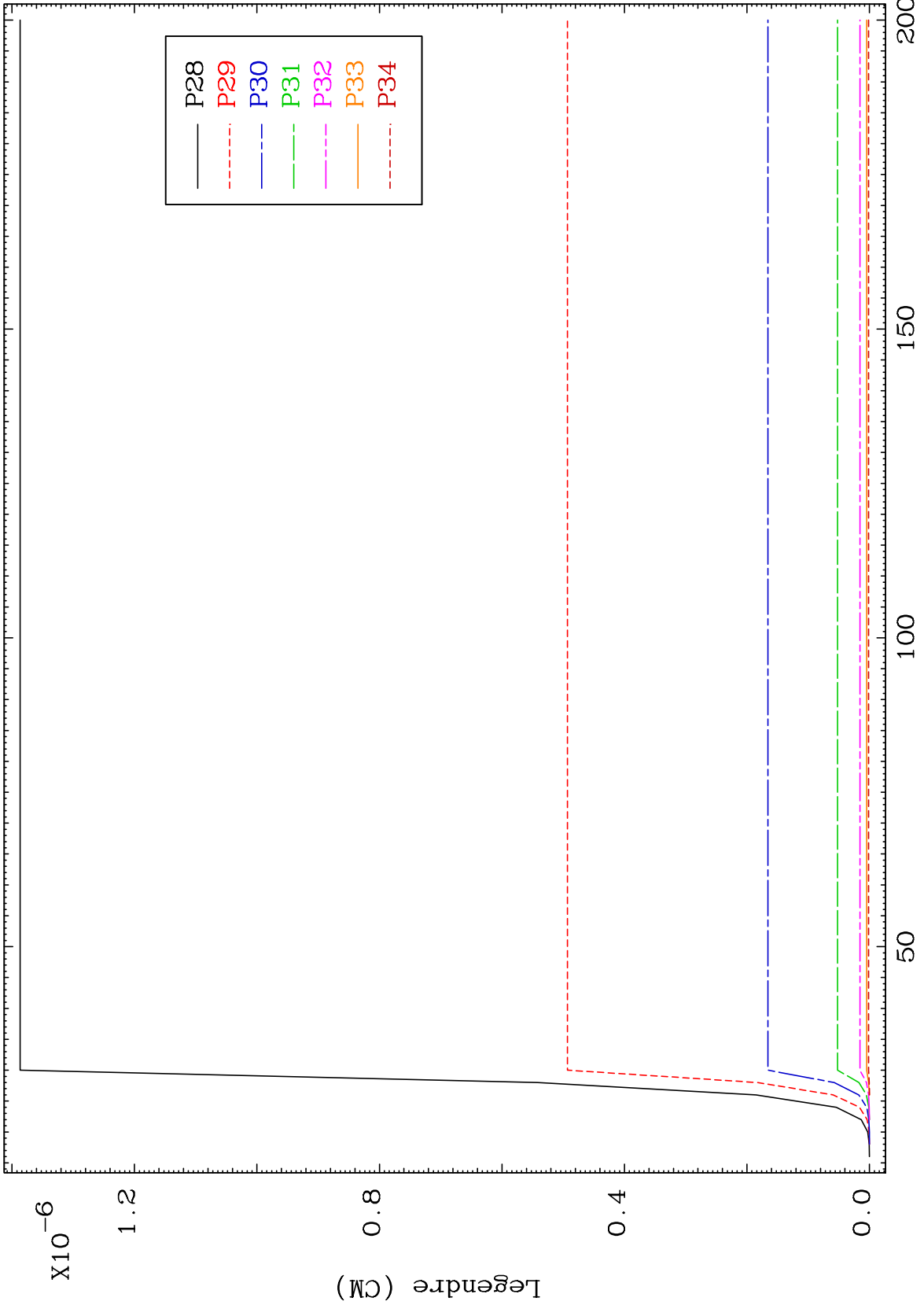
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

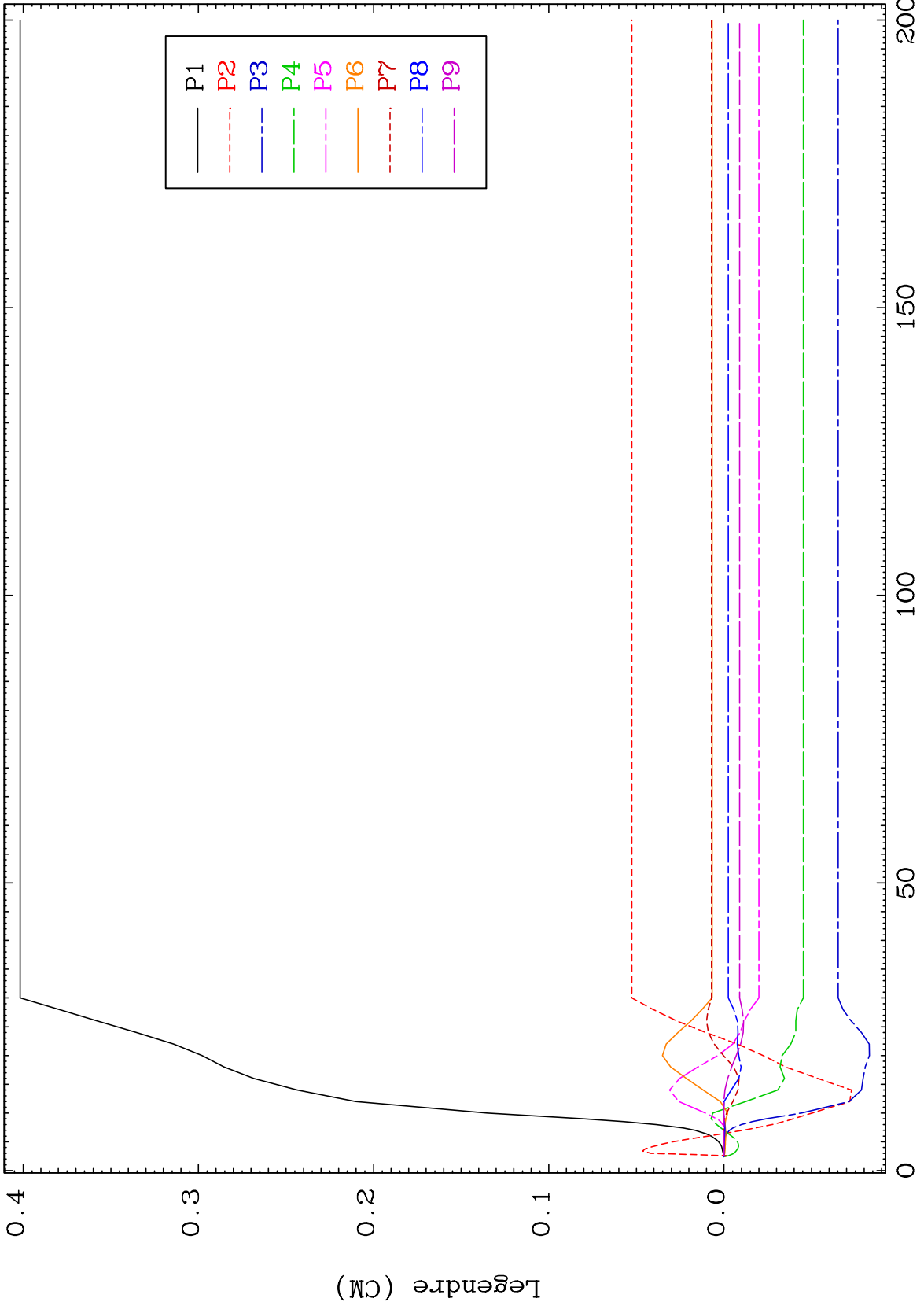


46

Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-128



50-Sn-128

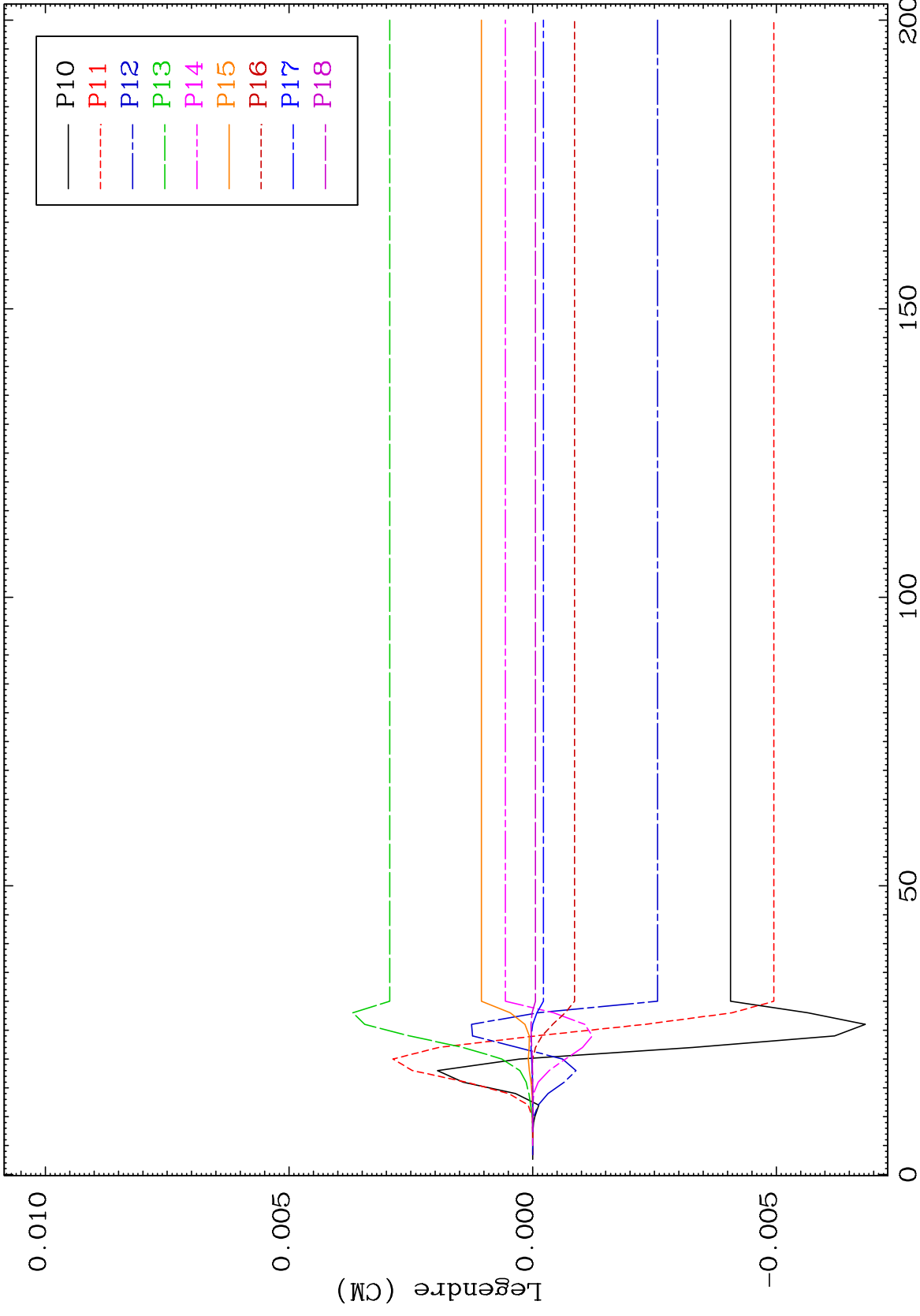
Incident Energy (MeV)

47

MAT 5073

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

50-Sn-128



48

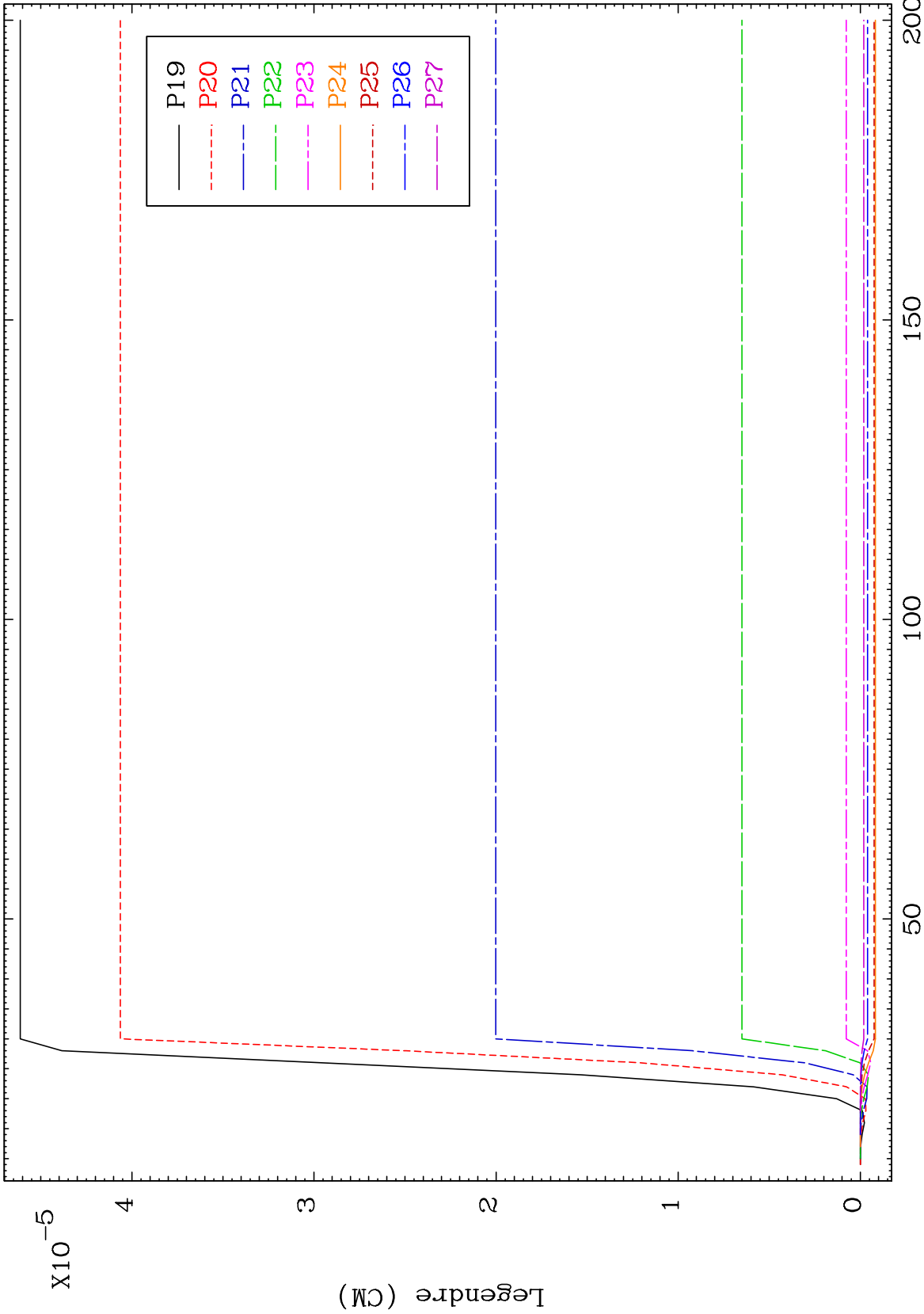
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



49

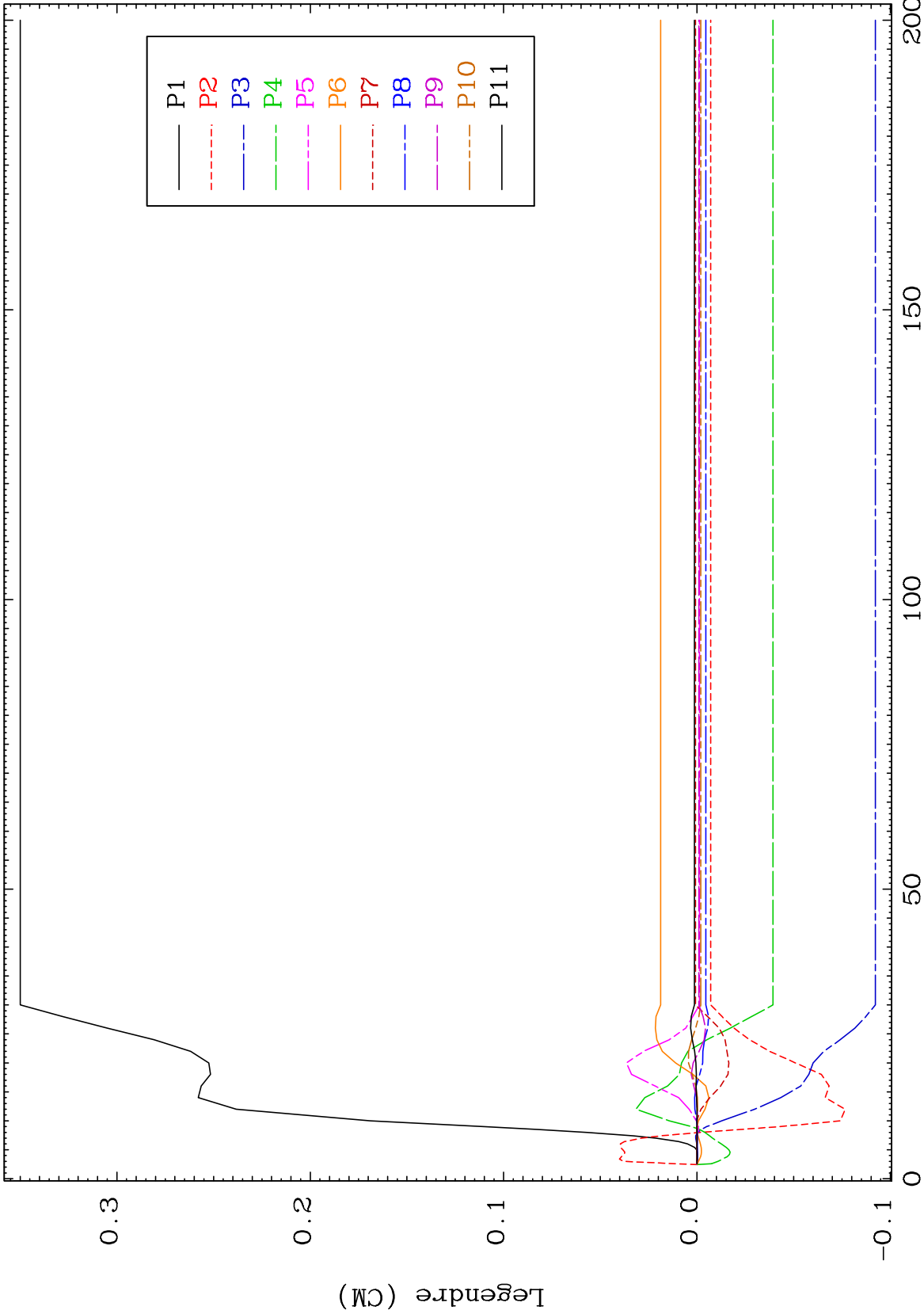
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



51

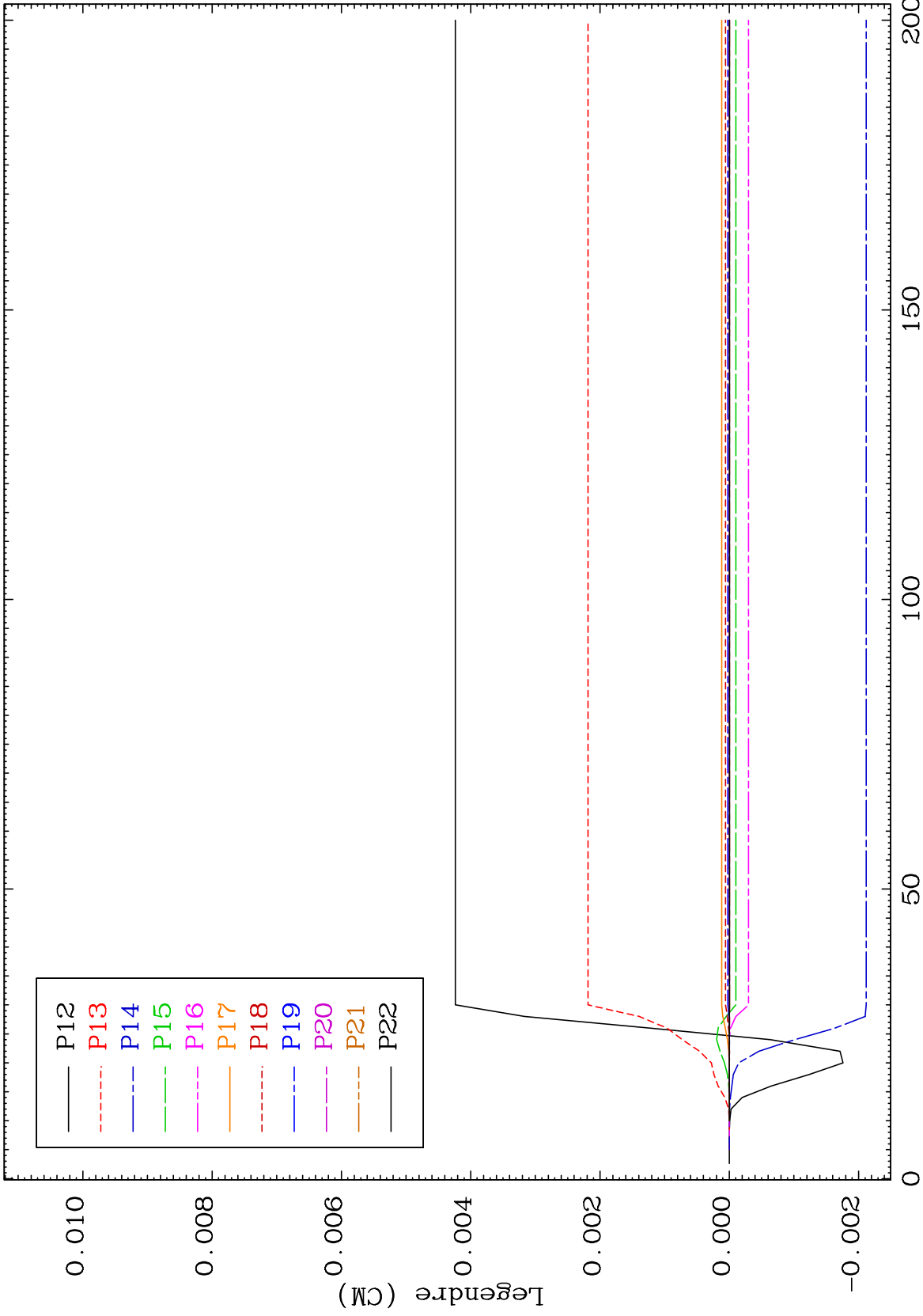
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

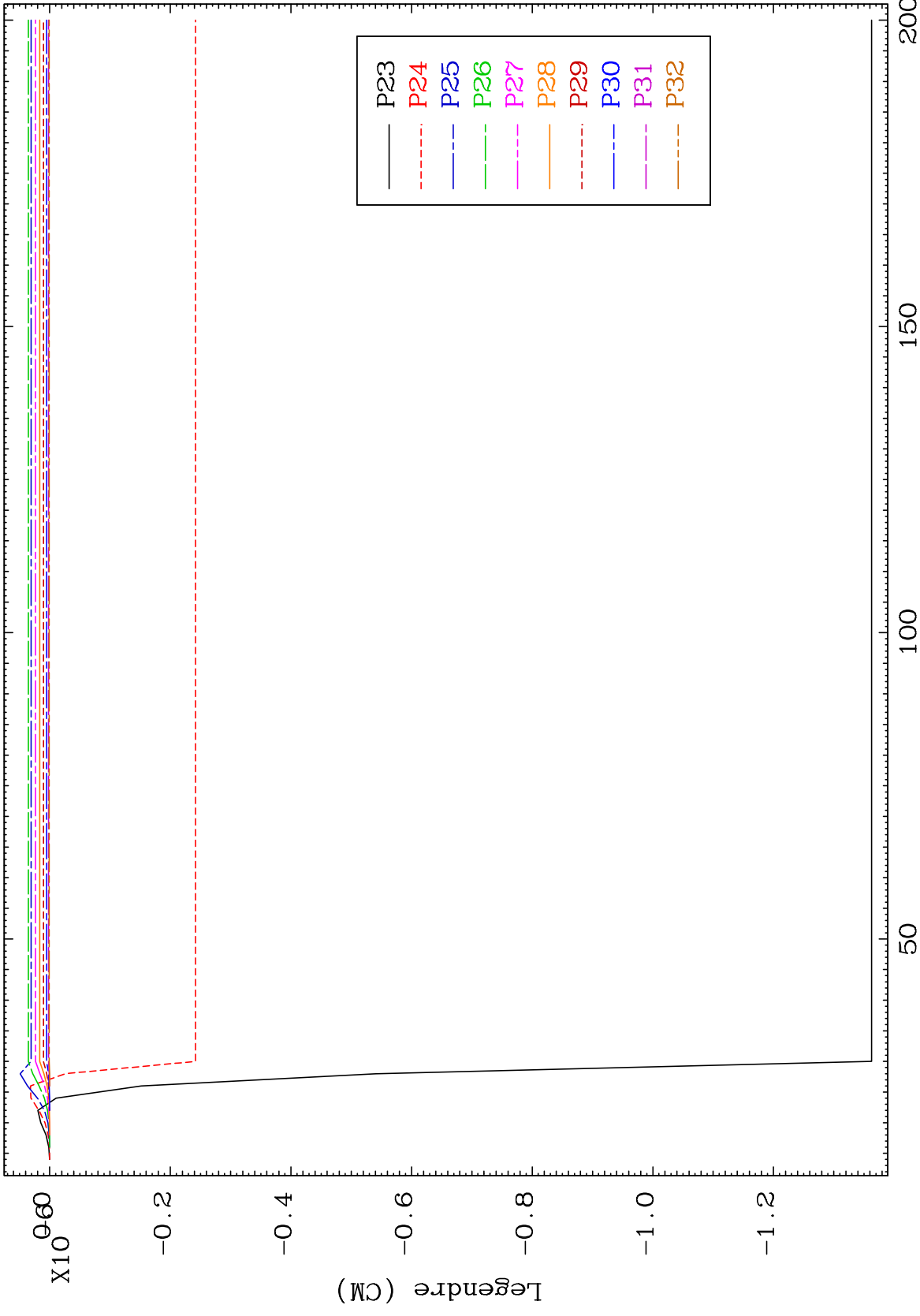


52

Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-128

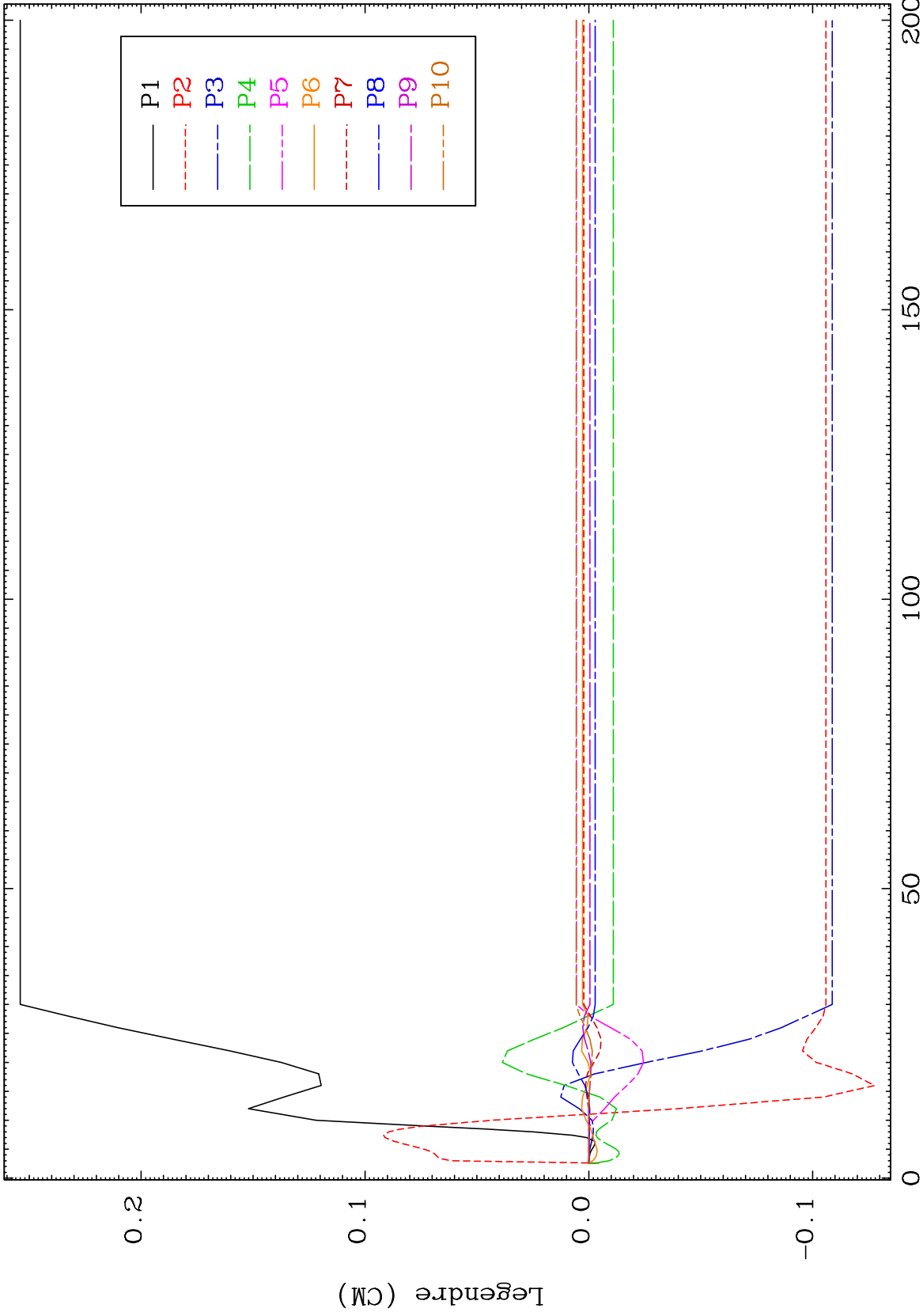


53 Incident Energy (MeV) 50-Sn-128

MAT 5073

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

50-Sn-128



54

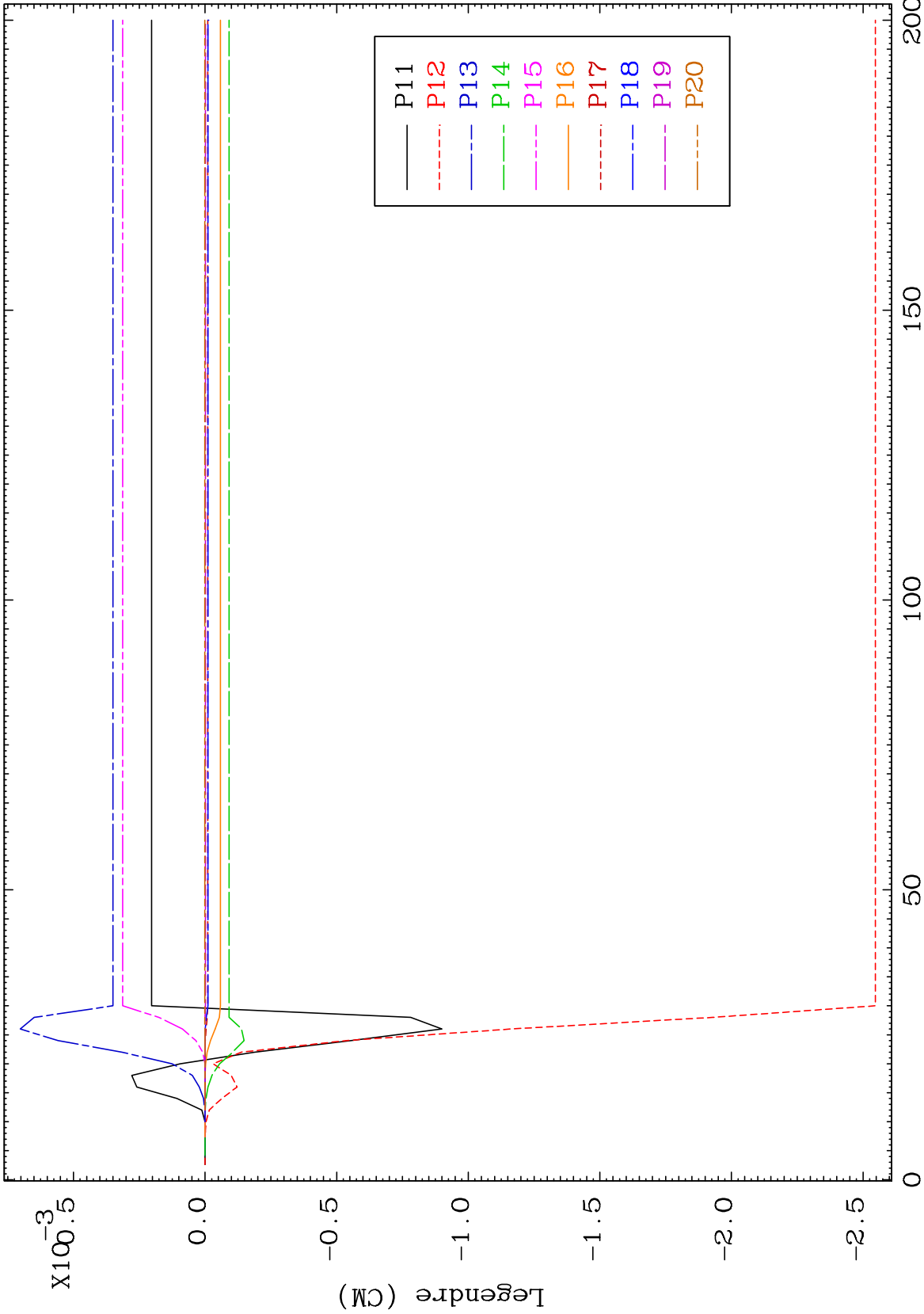
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



55

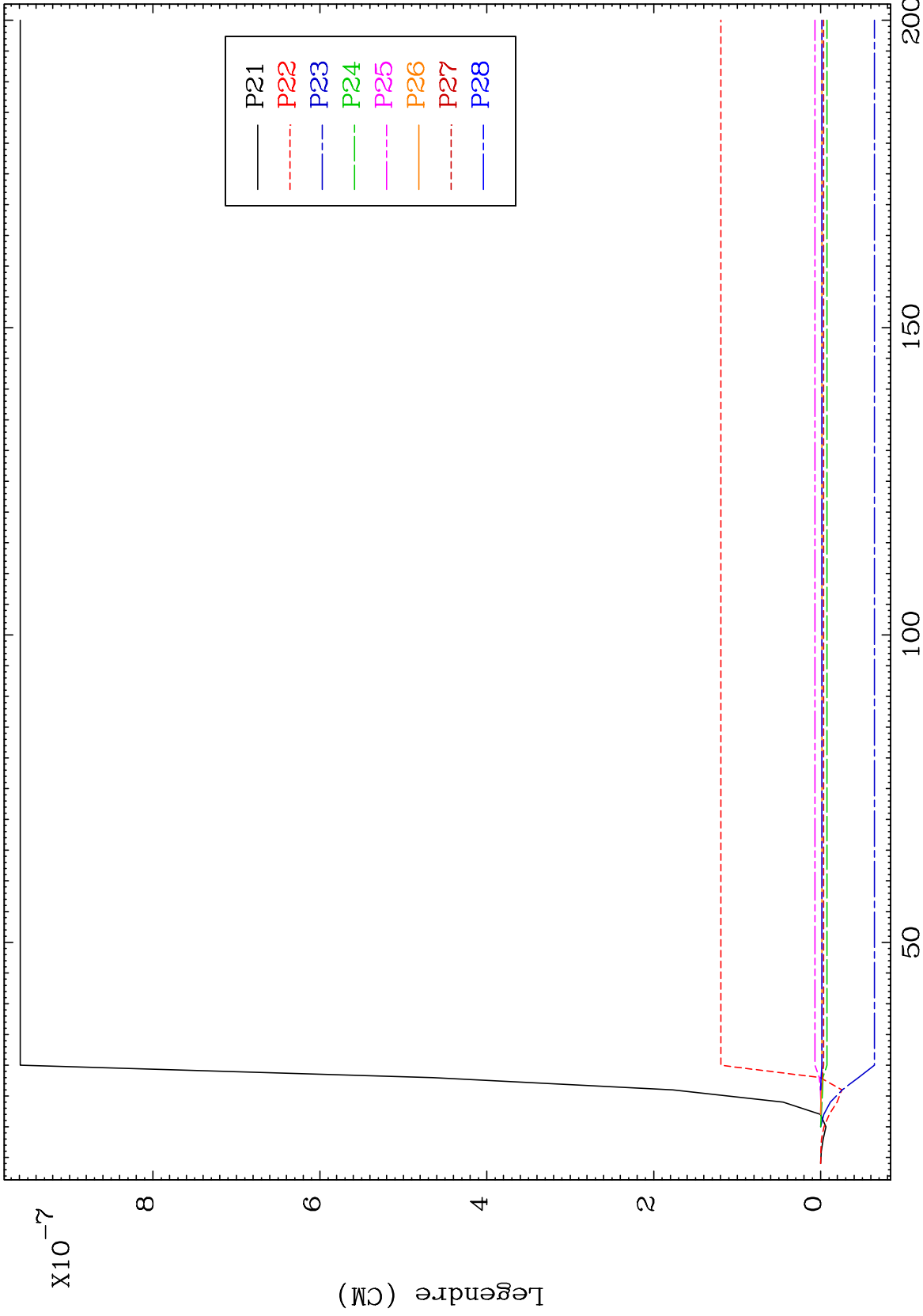
Incident Energy (MeV)

50-Sn-128

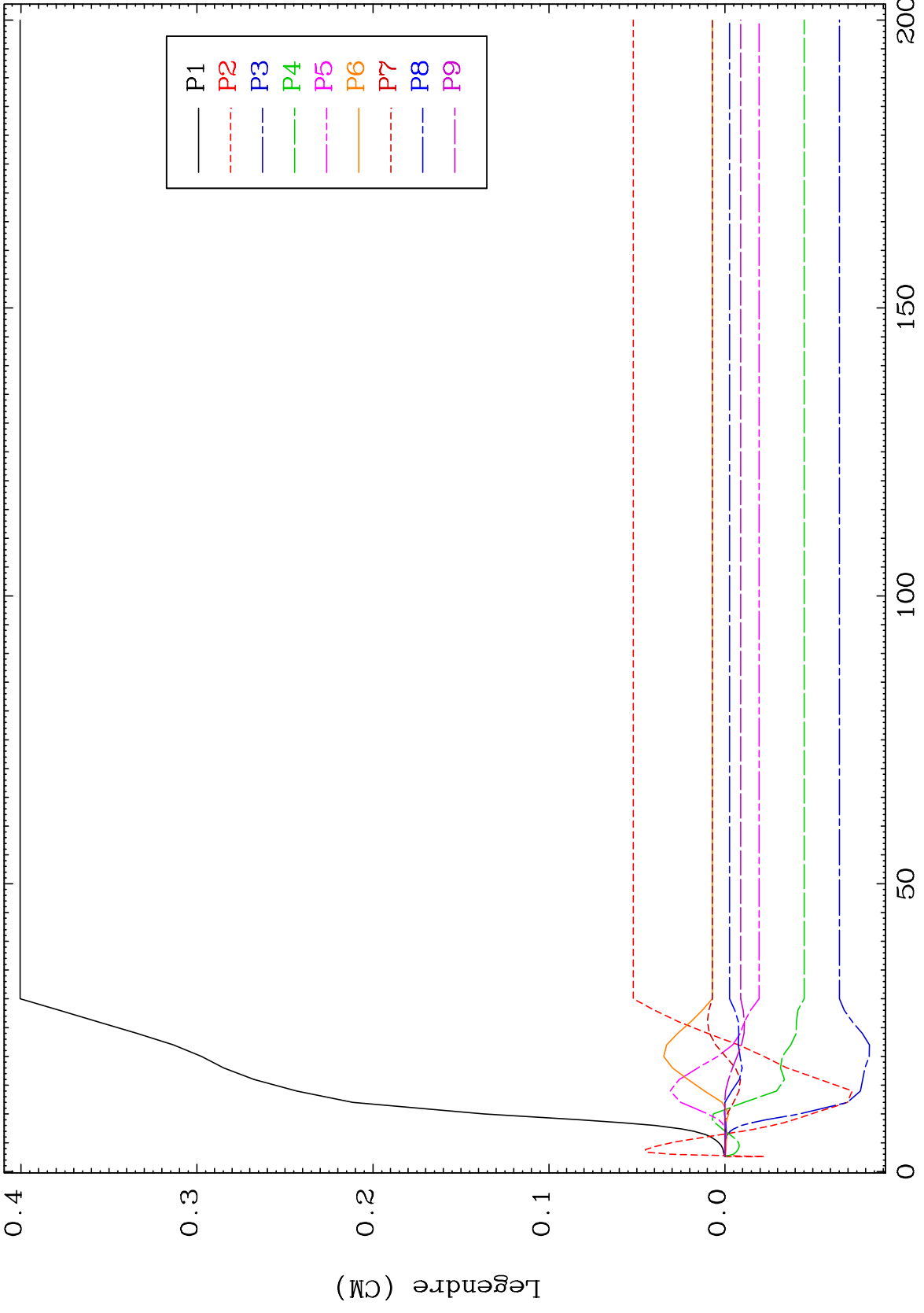
MAT 5073

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

50-Sn-128



MAT 5073 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-128

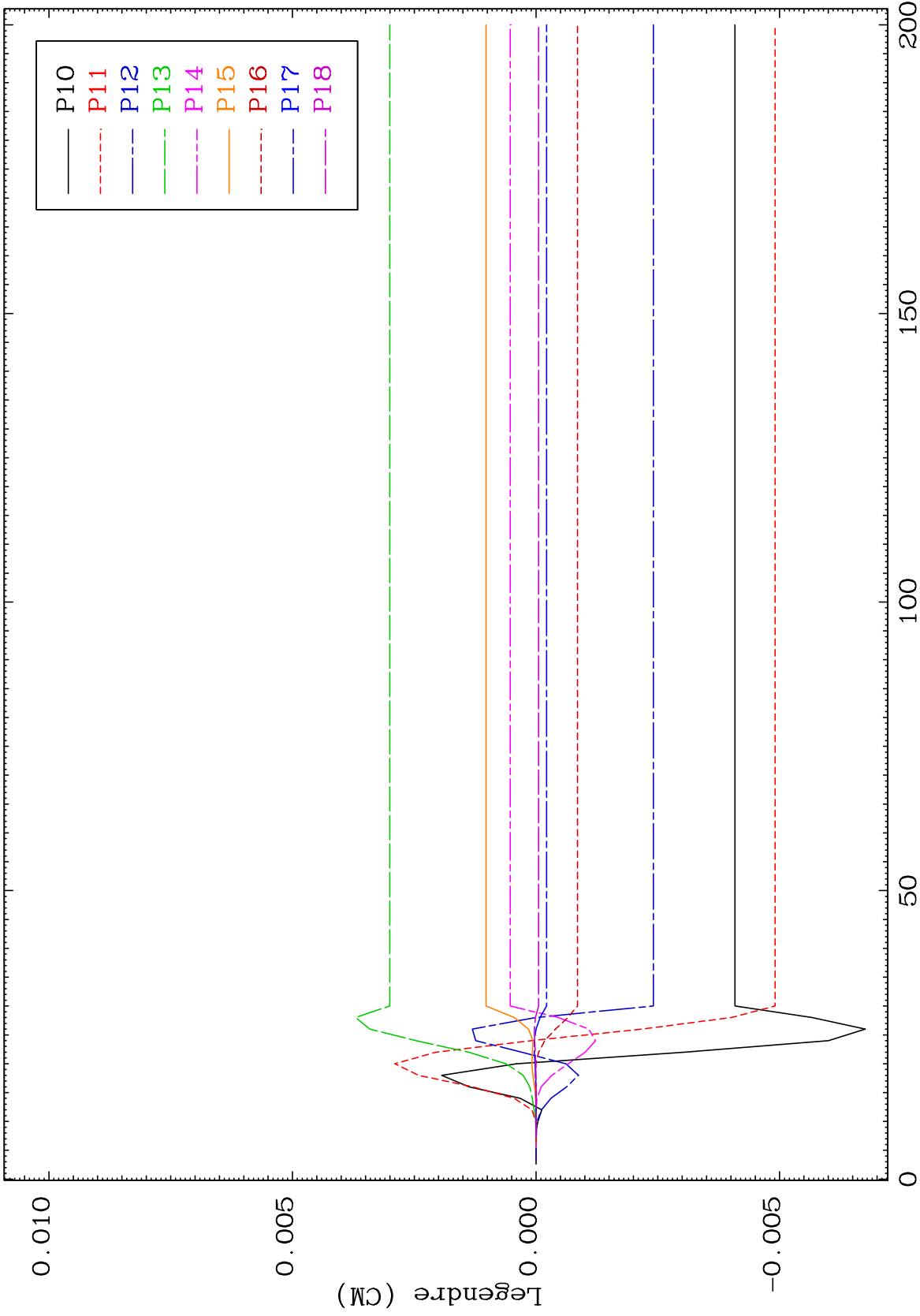


57 50-Sn-128

MAT 5073

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

50-Sn-128



58

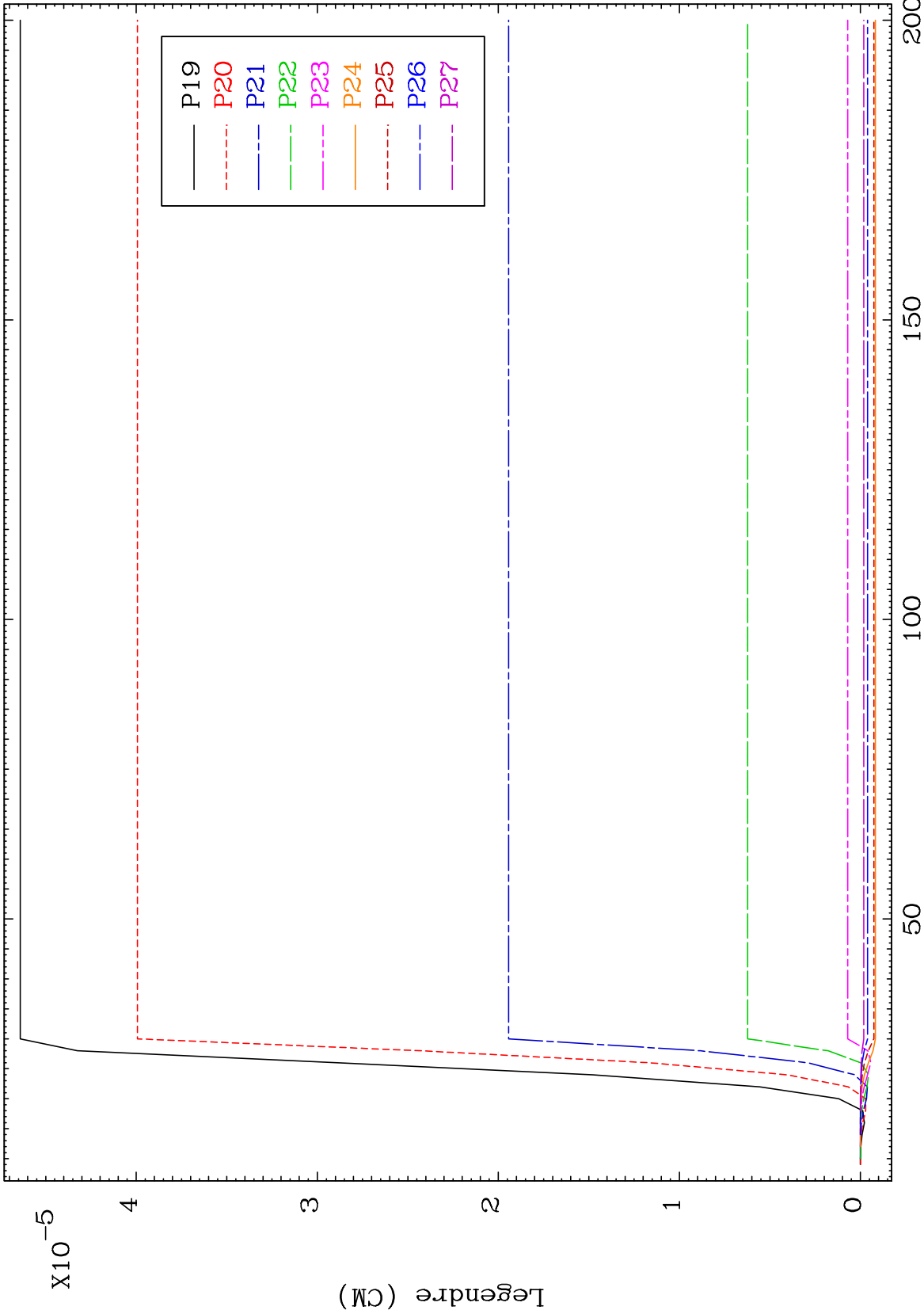
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

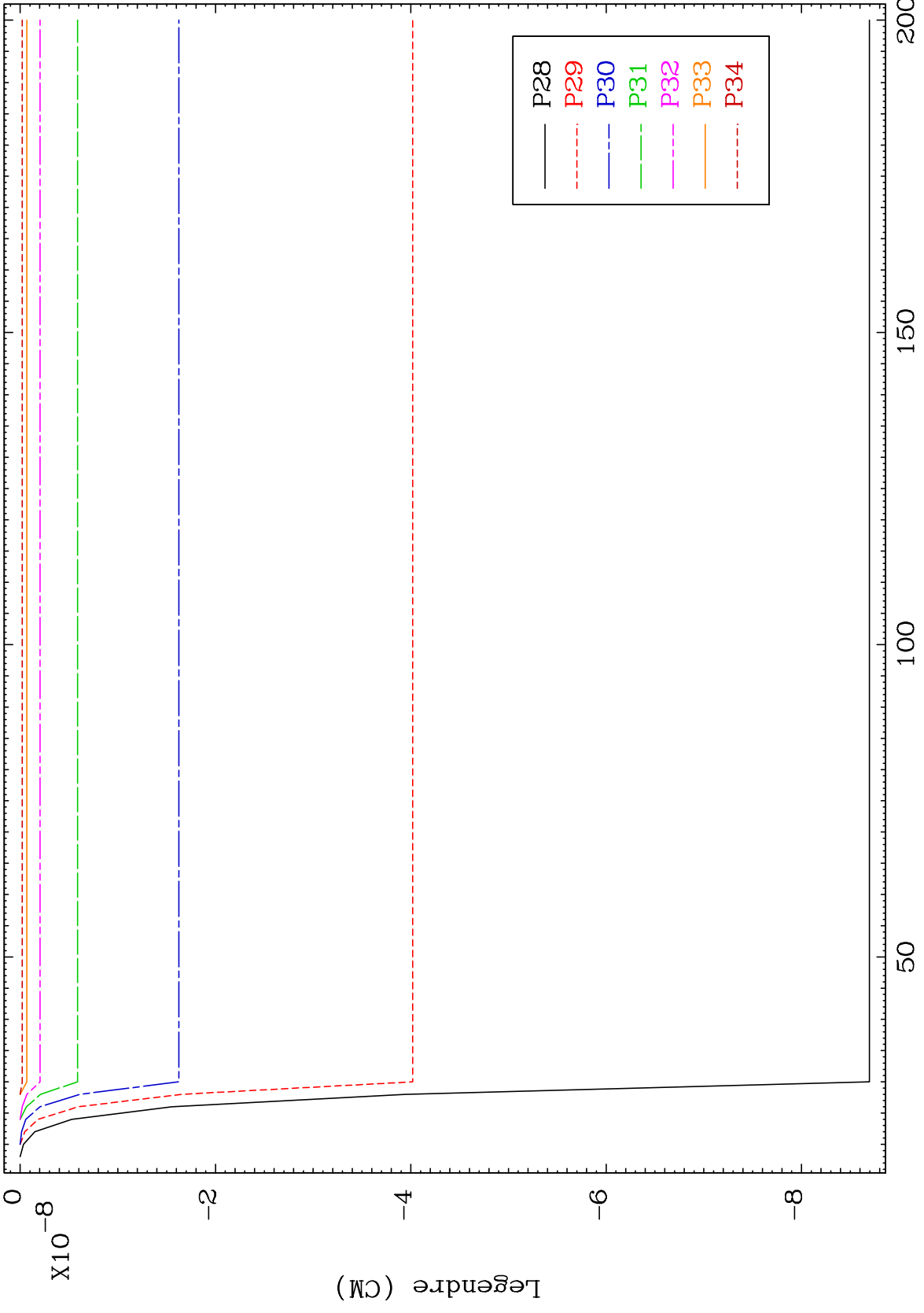


59

Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-128

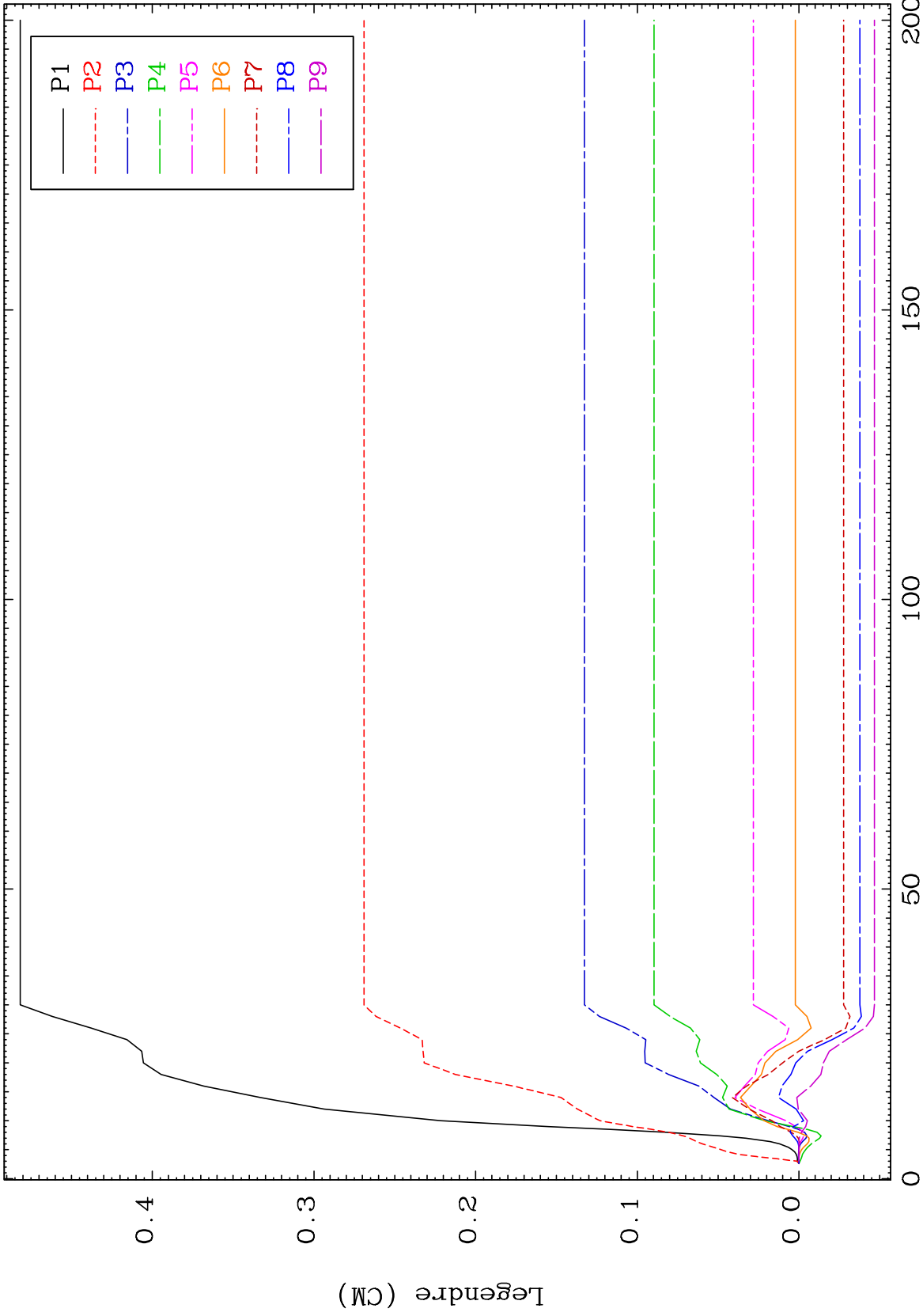


60 Incident Energy (MeV) 50-Sn-128

MAT 5073

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

50-Sn-128



61

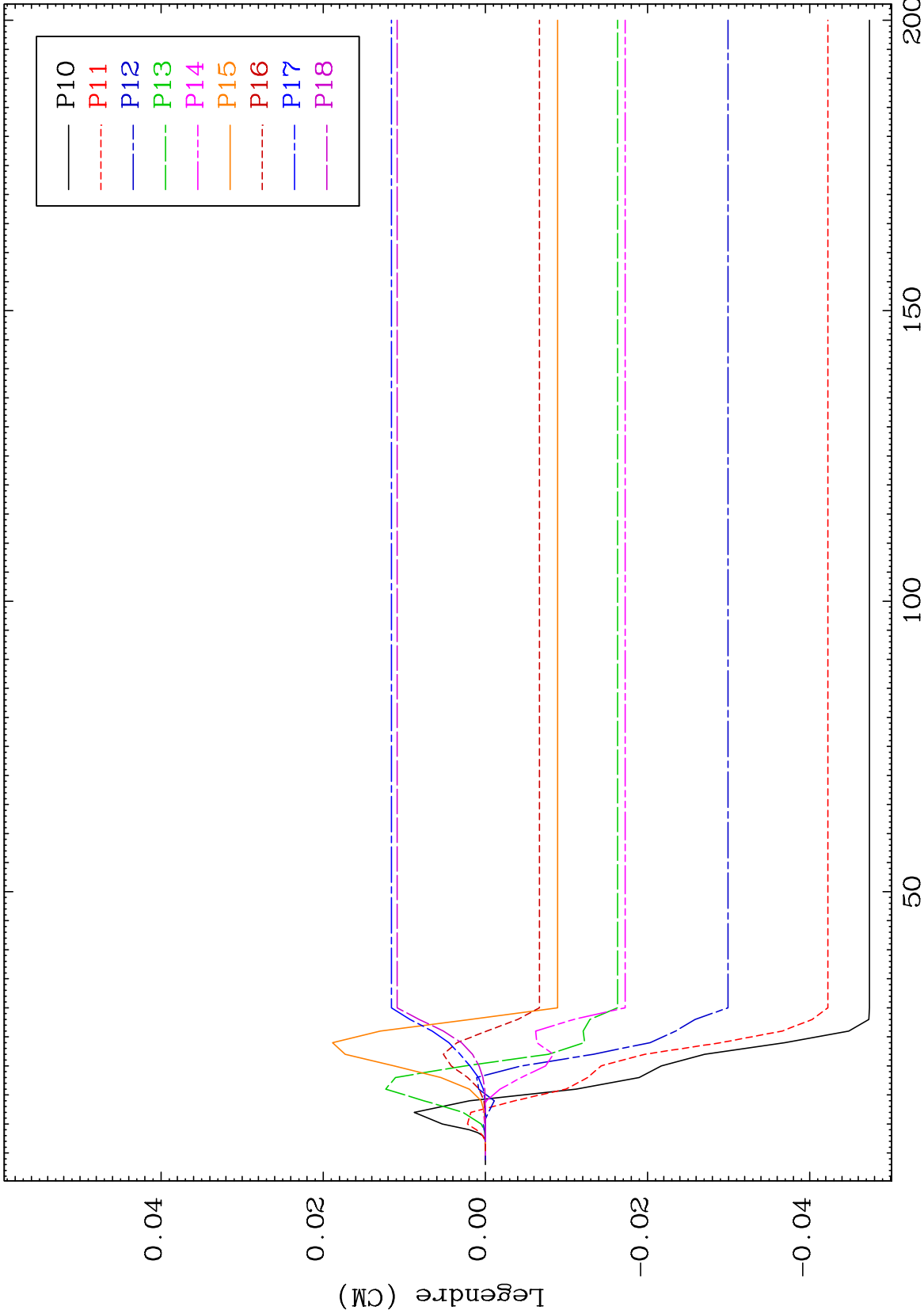
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



62

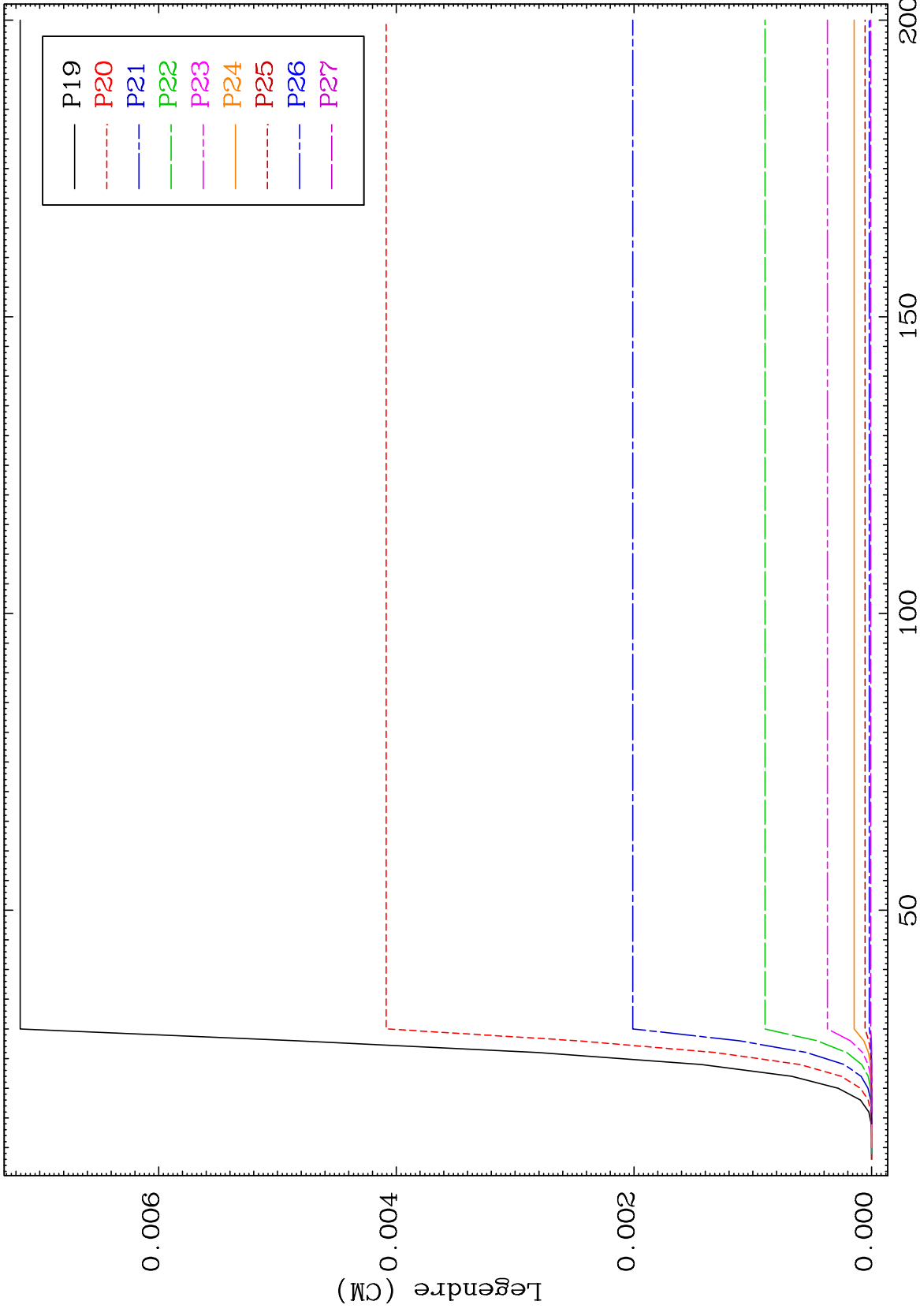
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



63

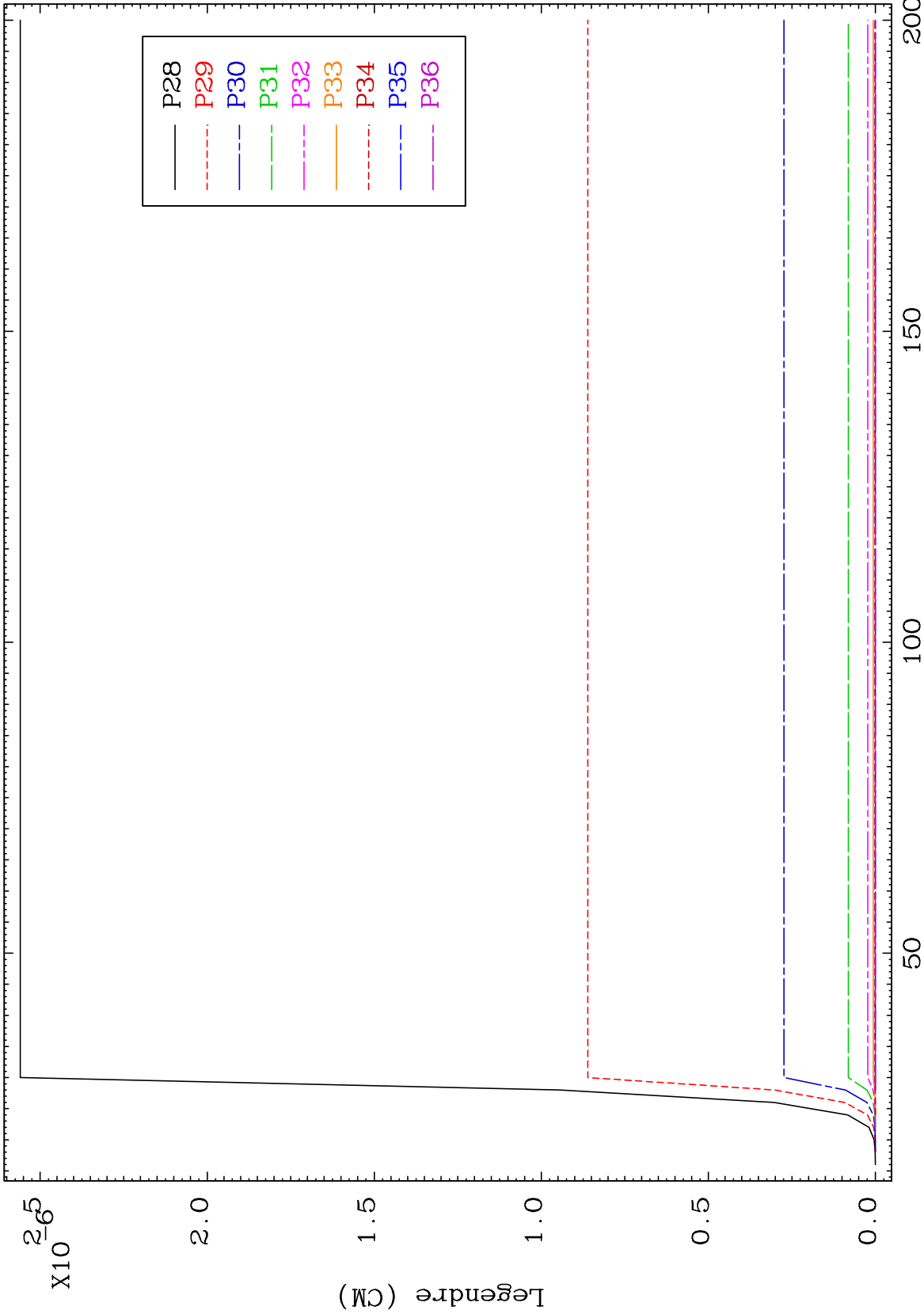
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



64

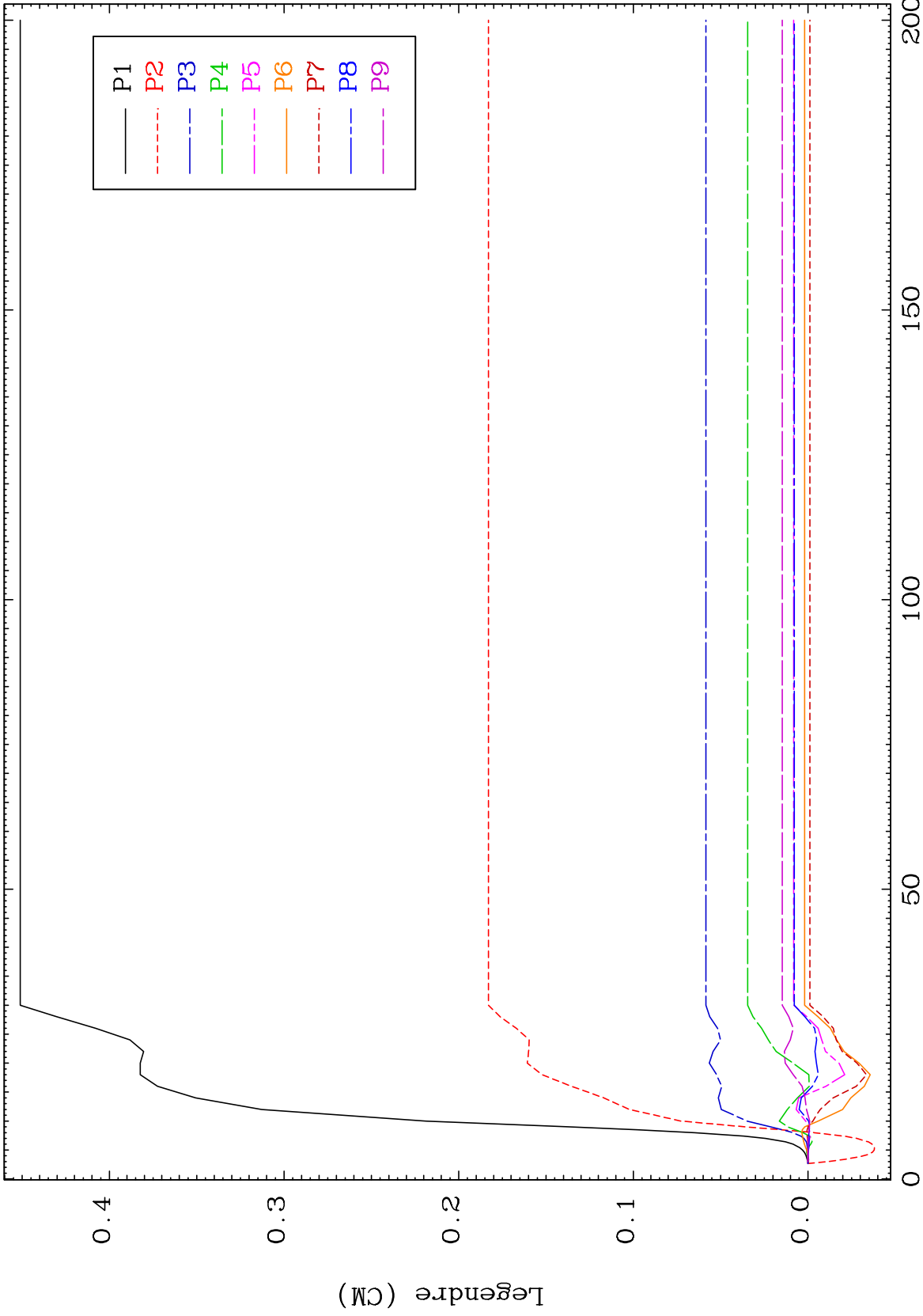
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



65

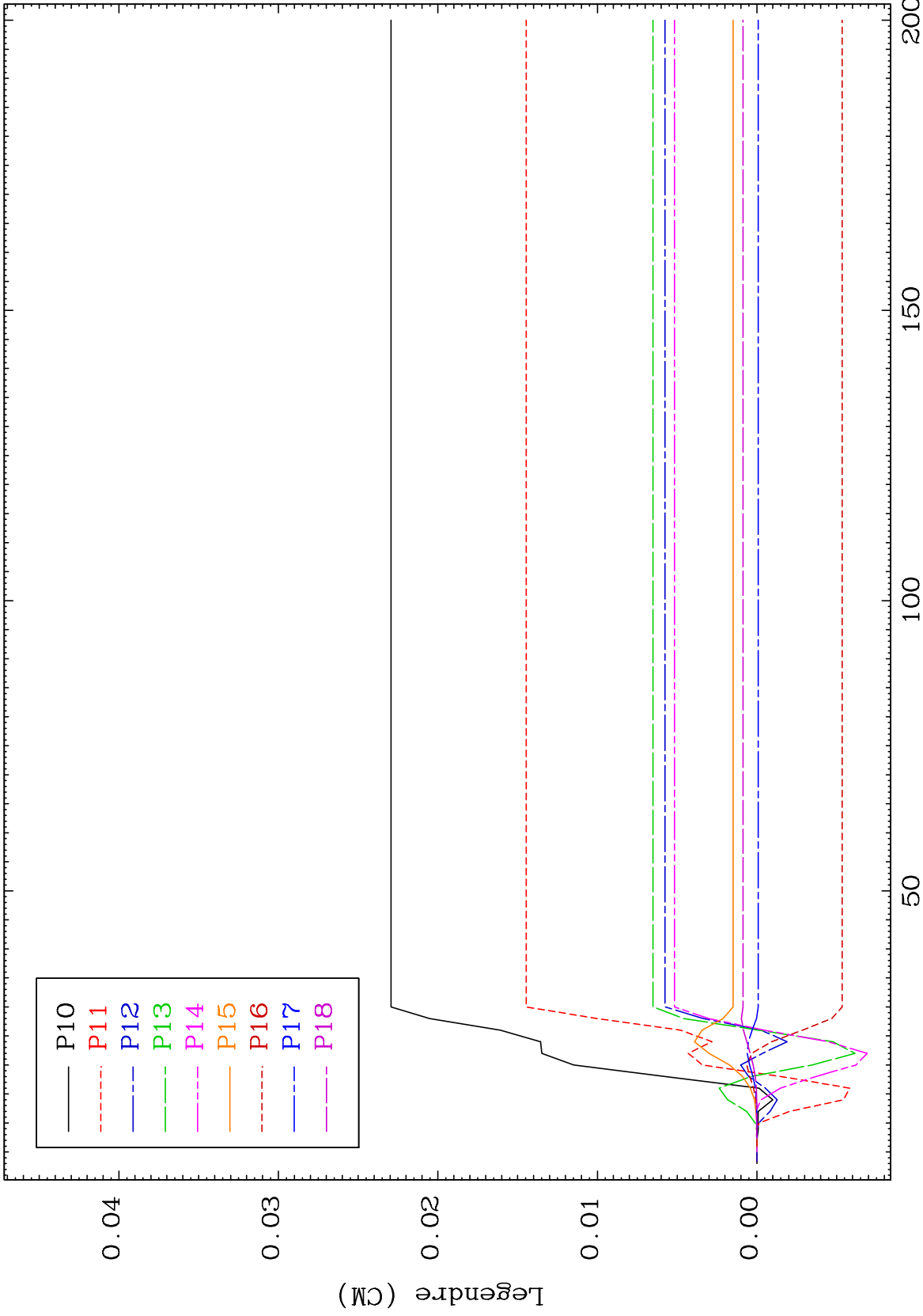
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

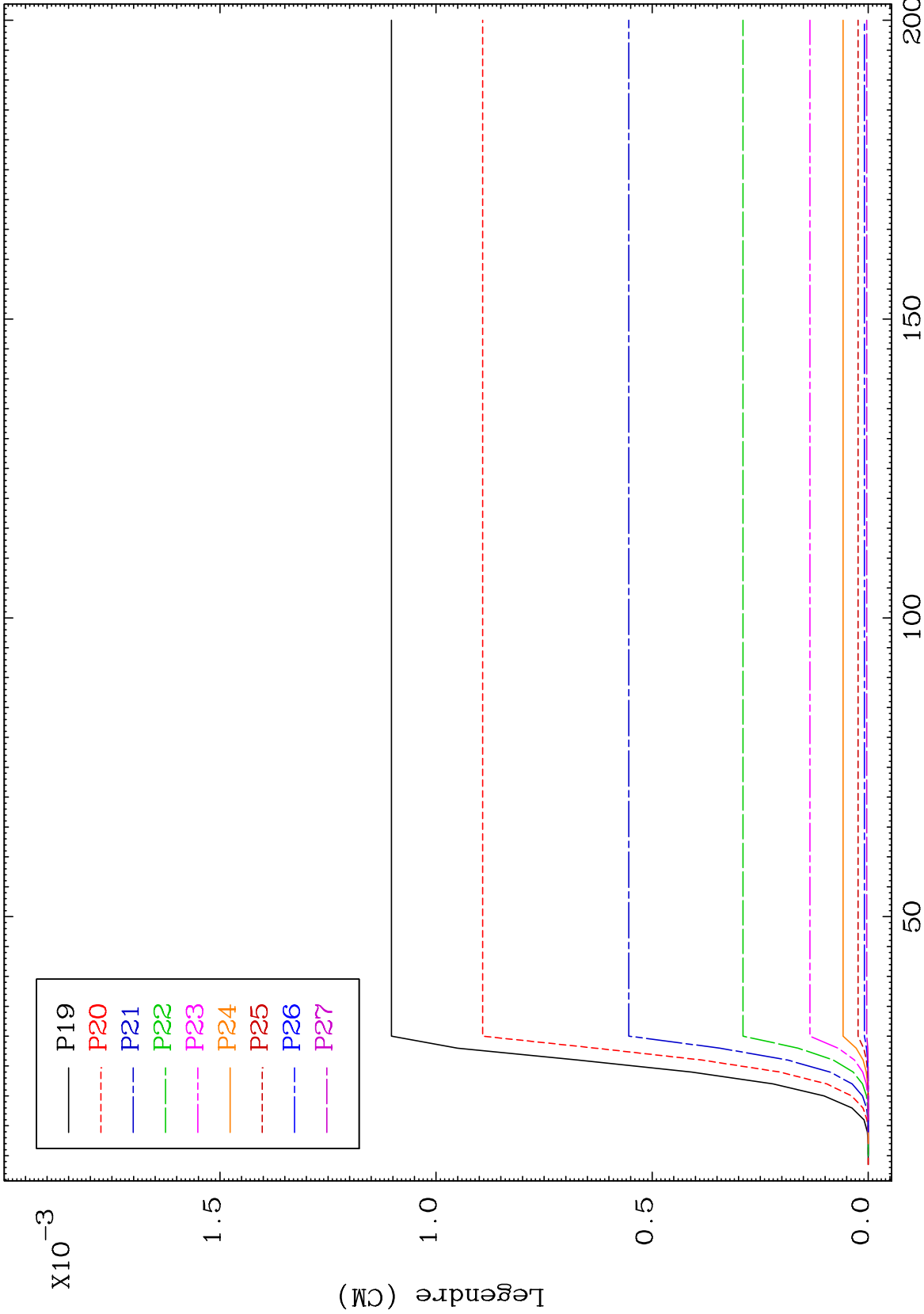
50-Sn-128



MAT 5073

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

50-Sn-128



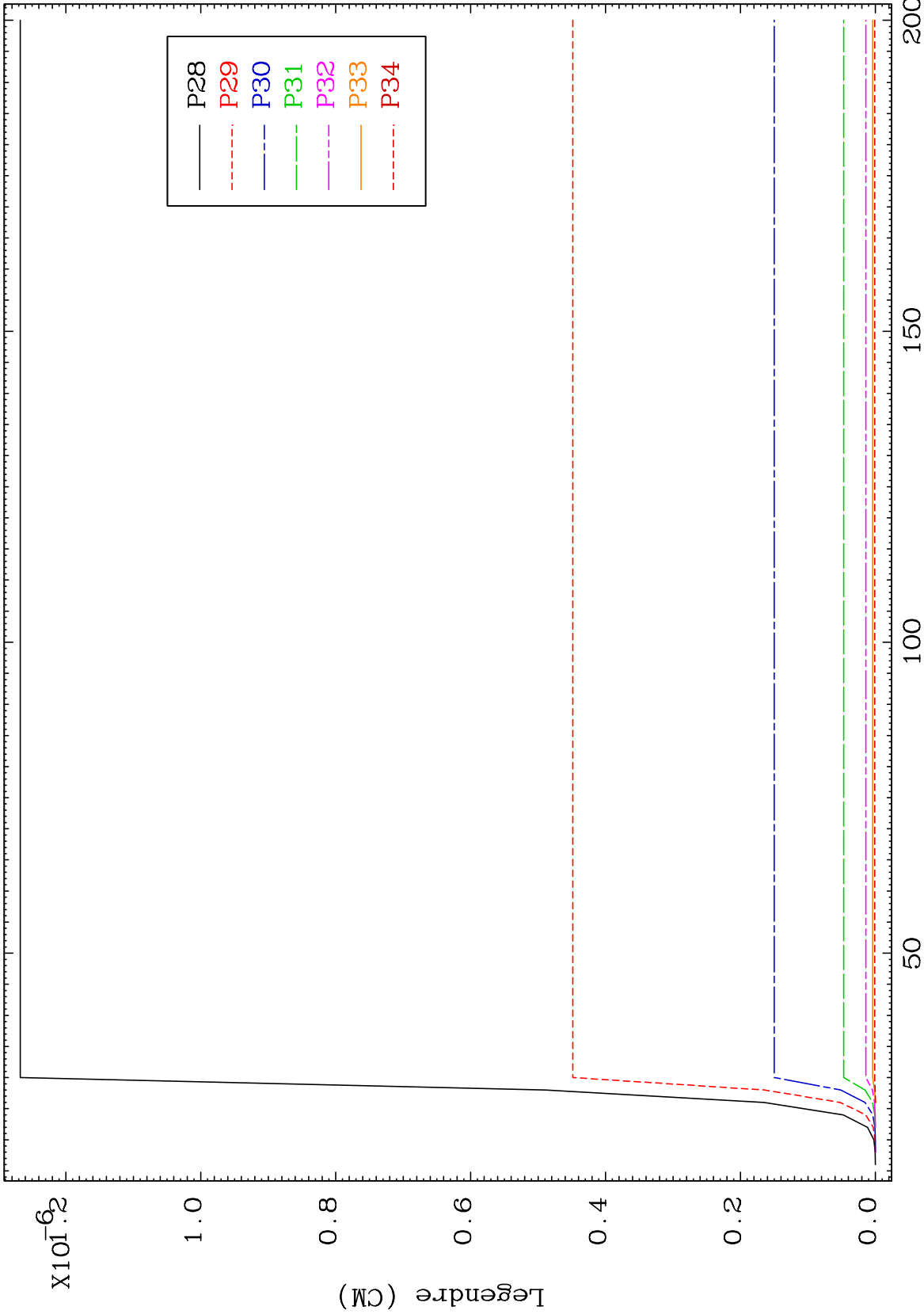
67

50-Sn-128

MAT 5073

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

50-Sn-128

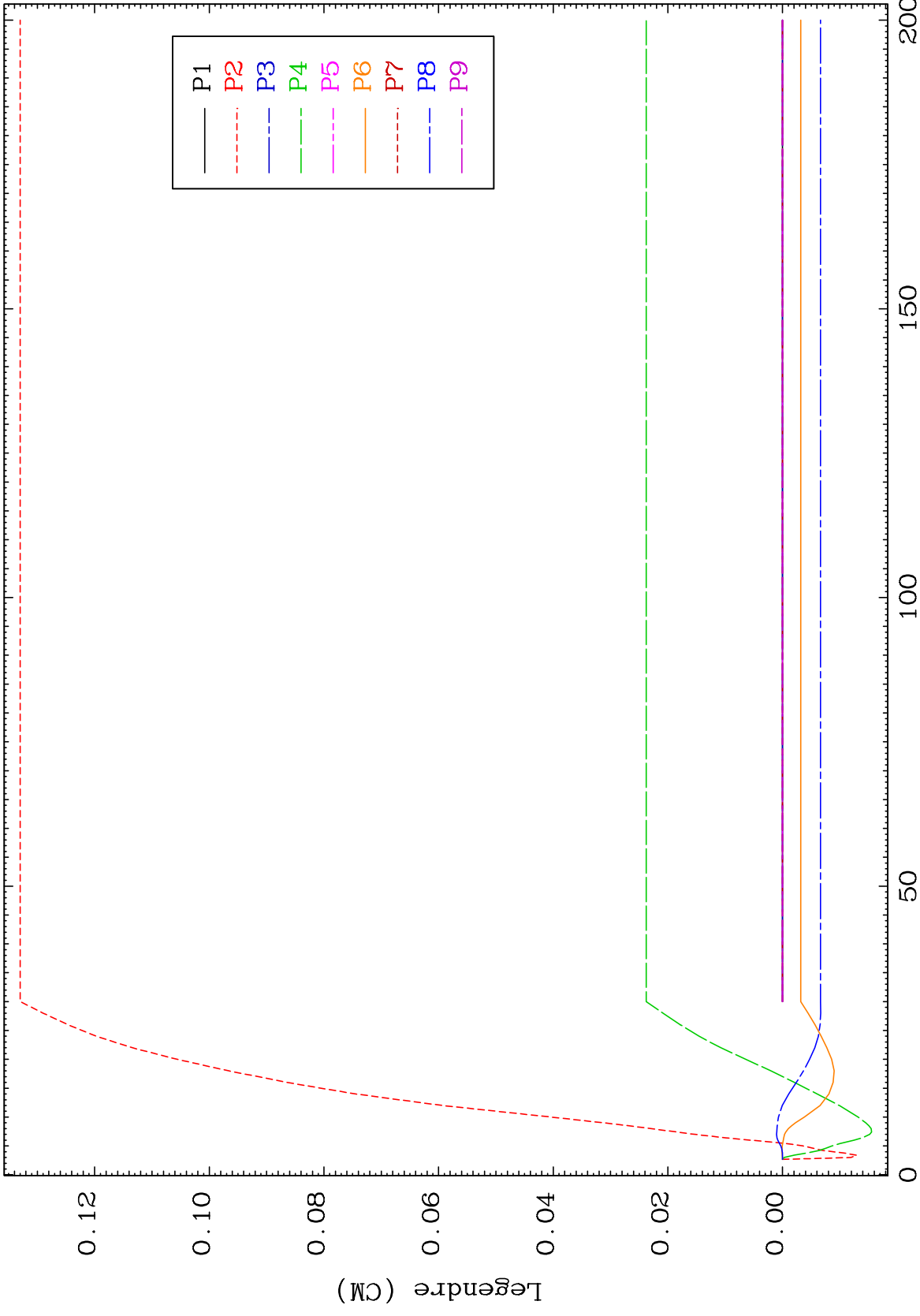


68

Incident Energy (MeV)

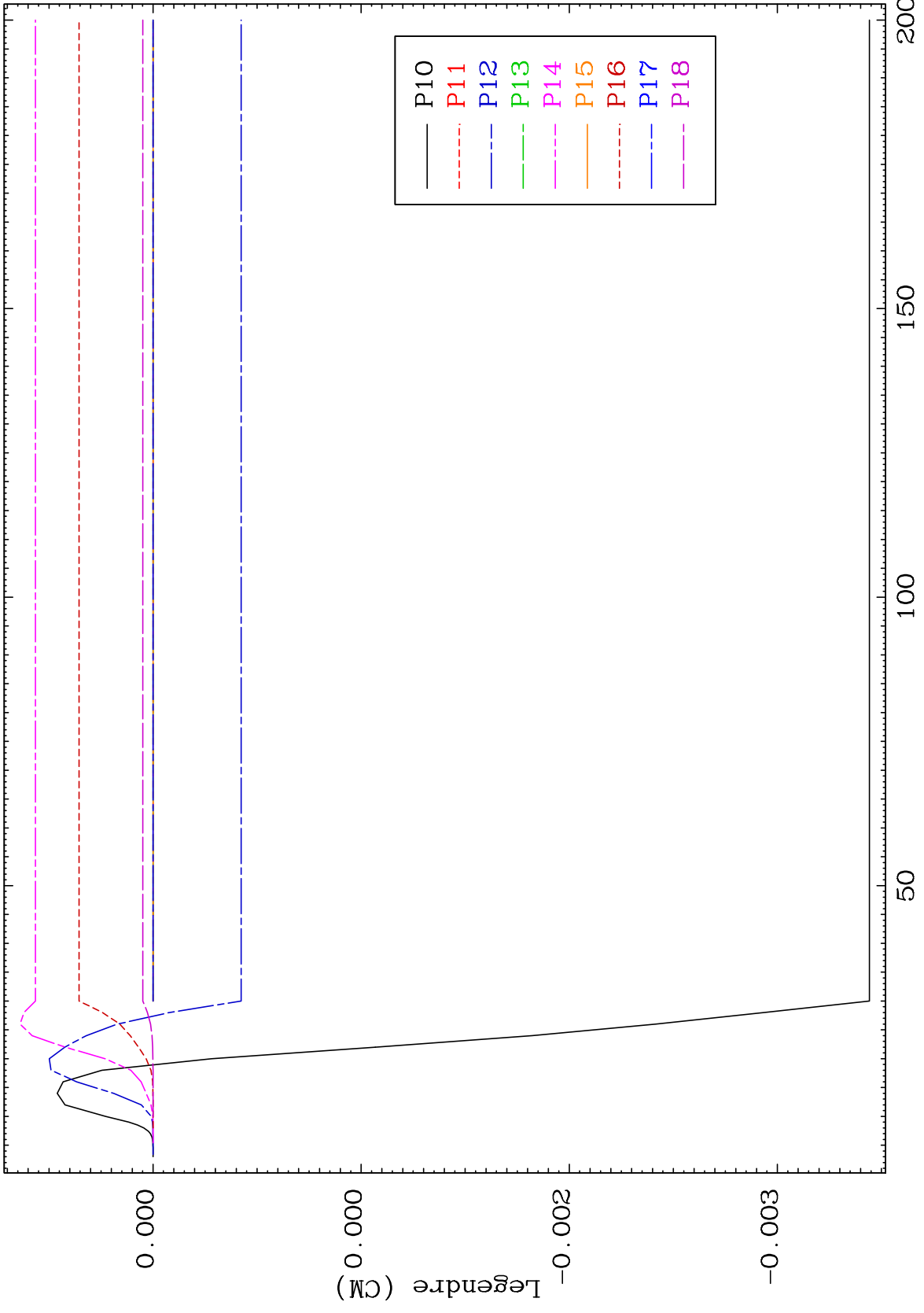
50-Sn-128

MAT 5073 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-128



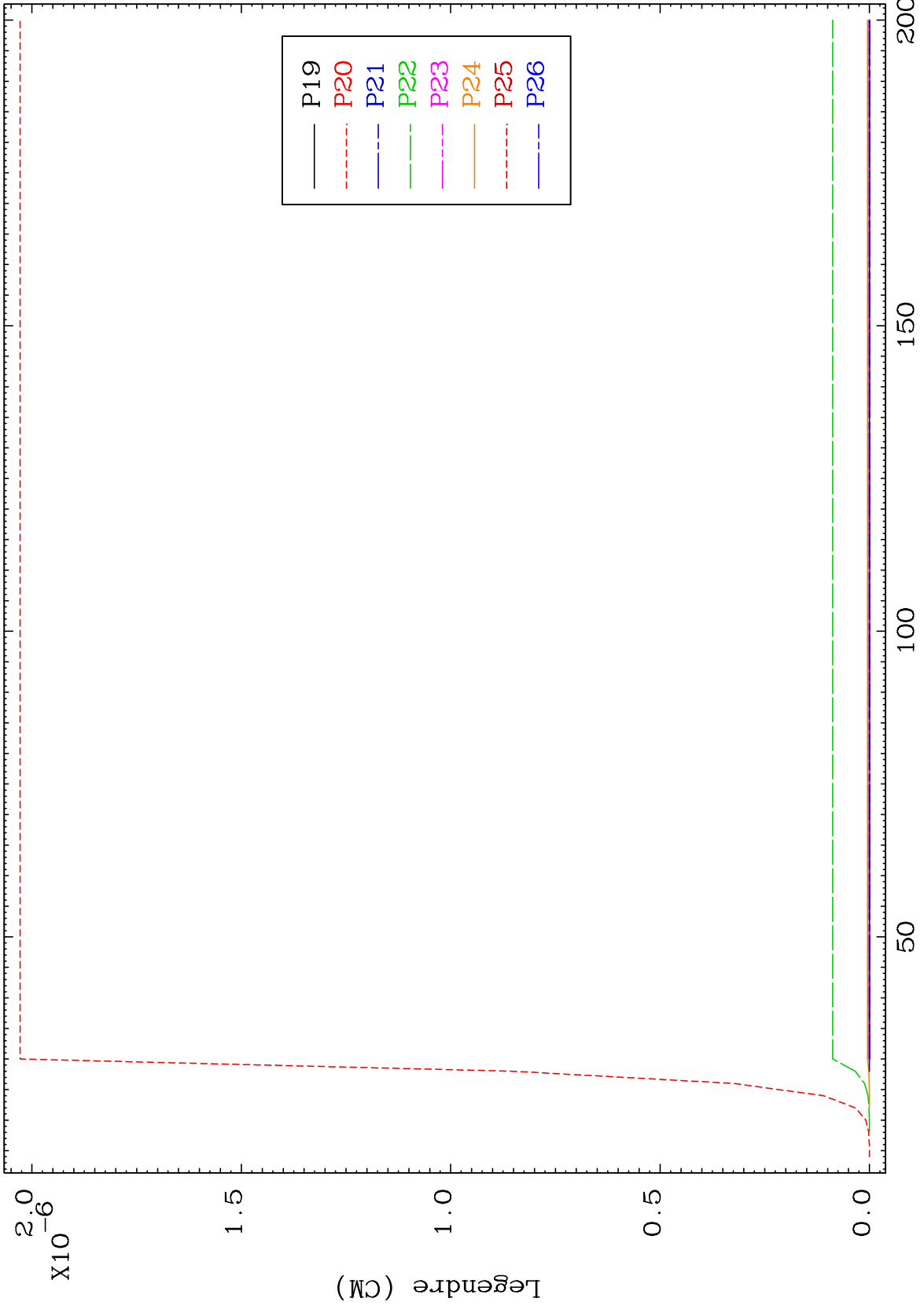
69 50-Sn-128

MAT 5073 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-128



70 Incident Energy (MeV) 50-Sn-128

MAT 5073 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-128

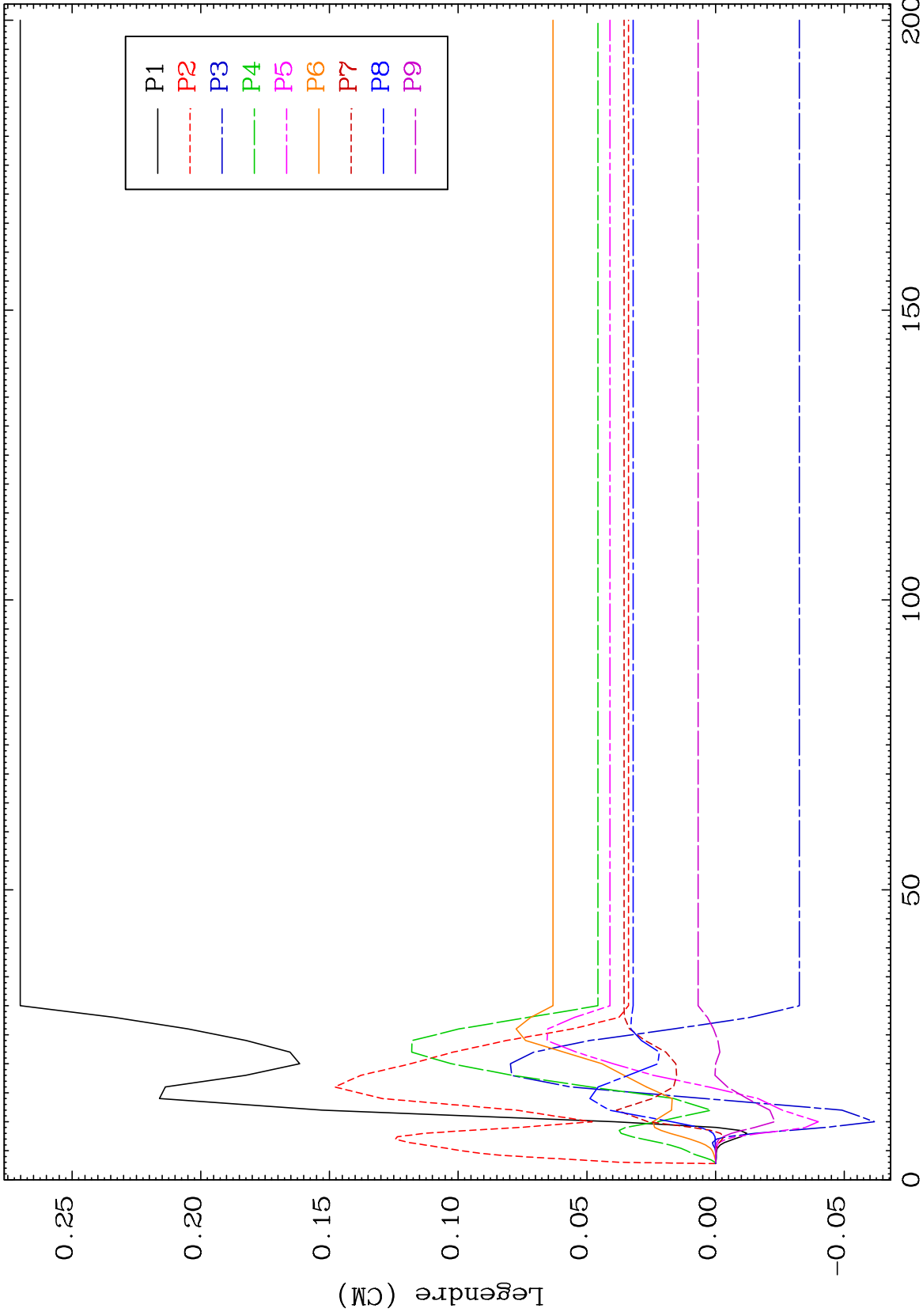


71 50-Sn-128

MAT 5073

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

50-Sn-128

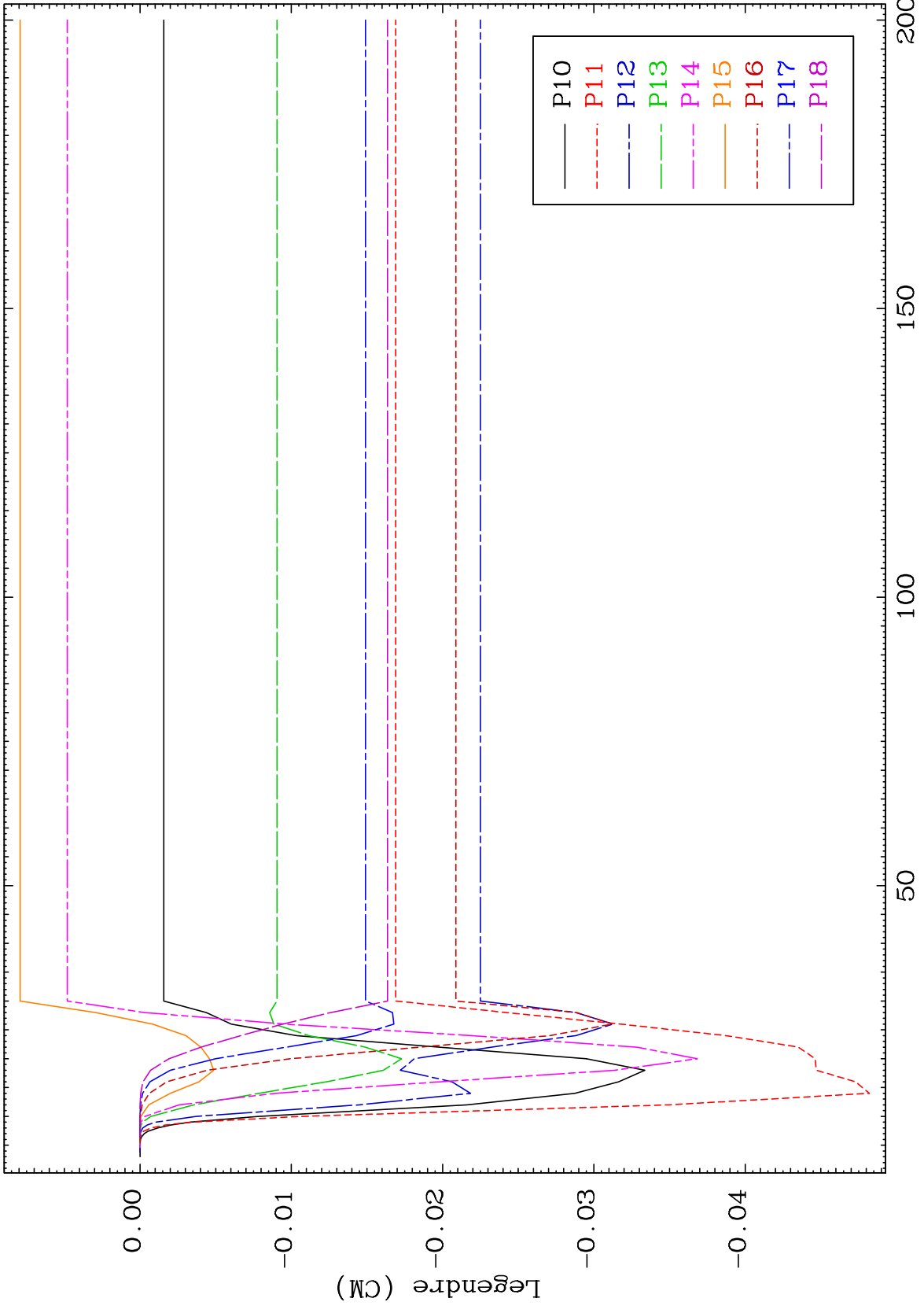


72

Incident Energy (MeV)

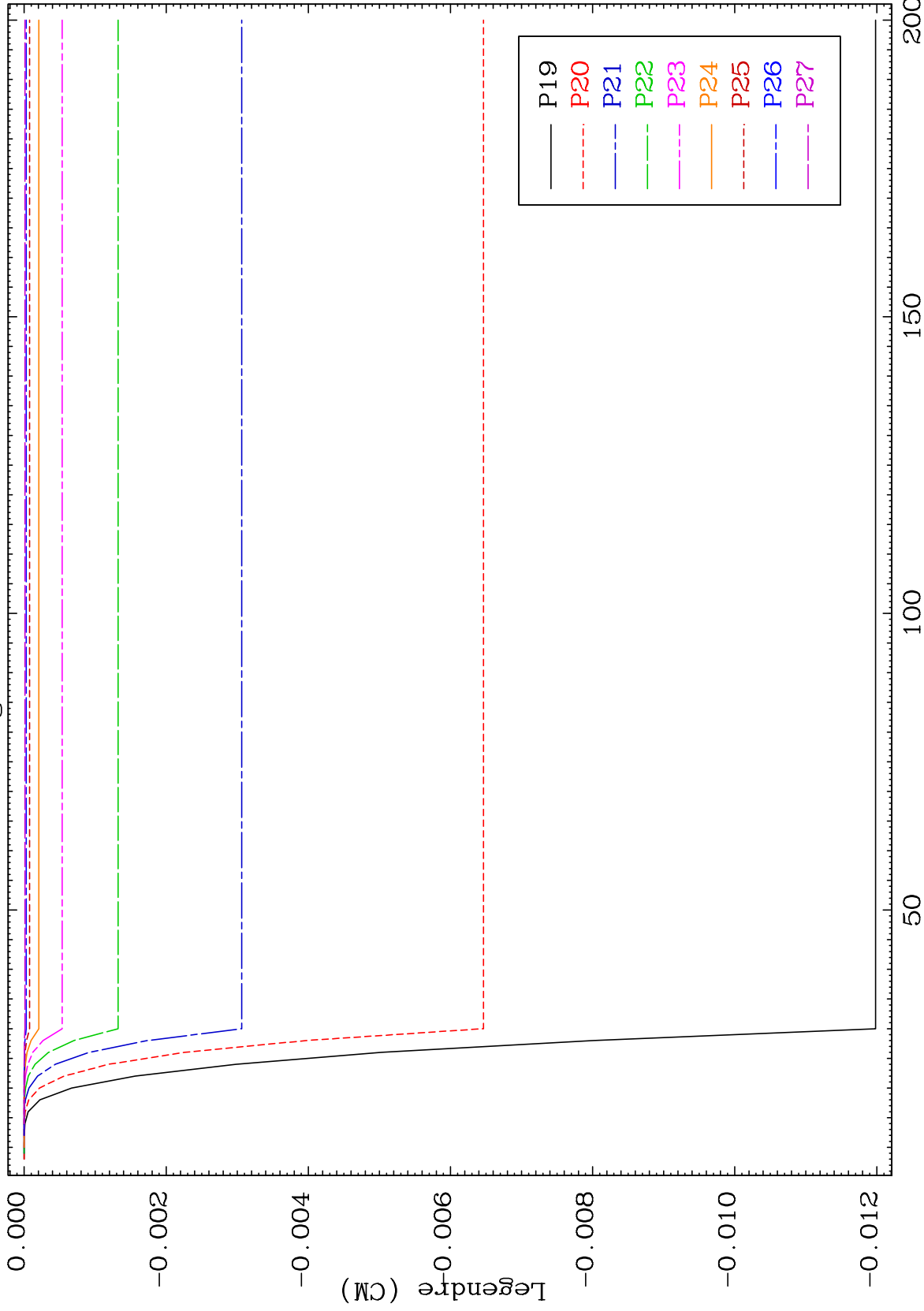
50-Sn-128

MAT 5073 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-128

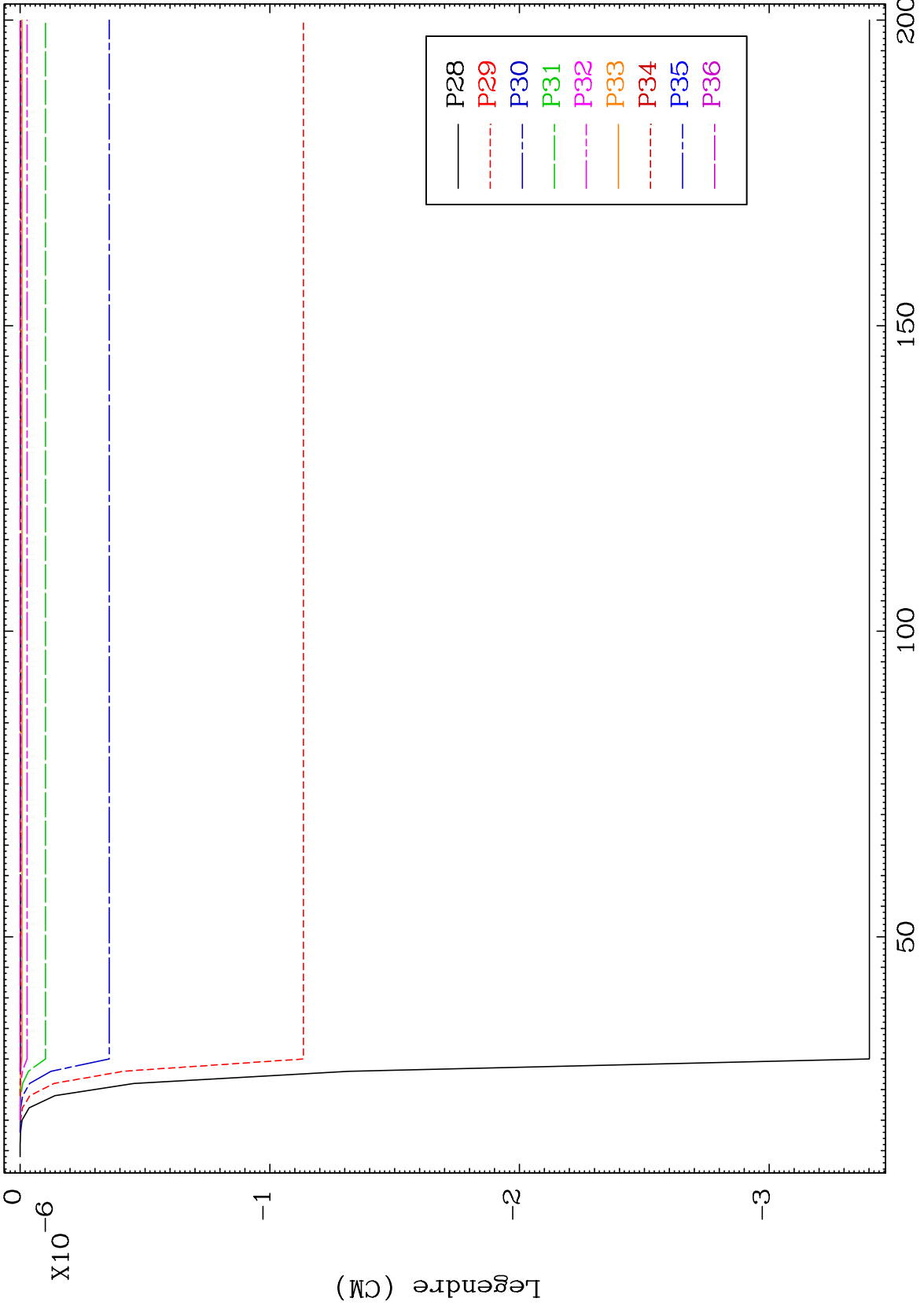


73 50-Sn-128

MAT 5073 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-128

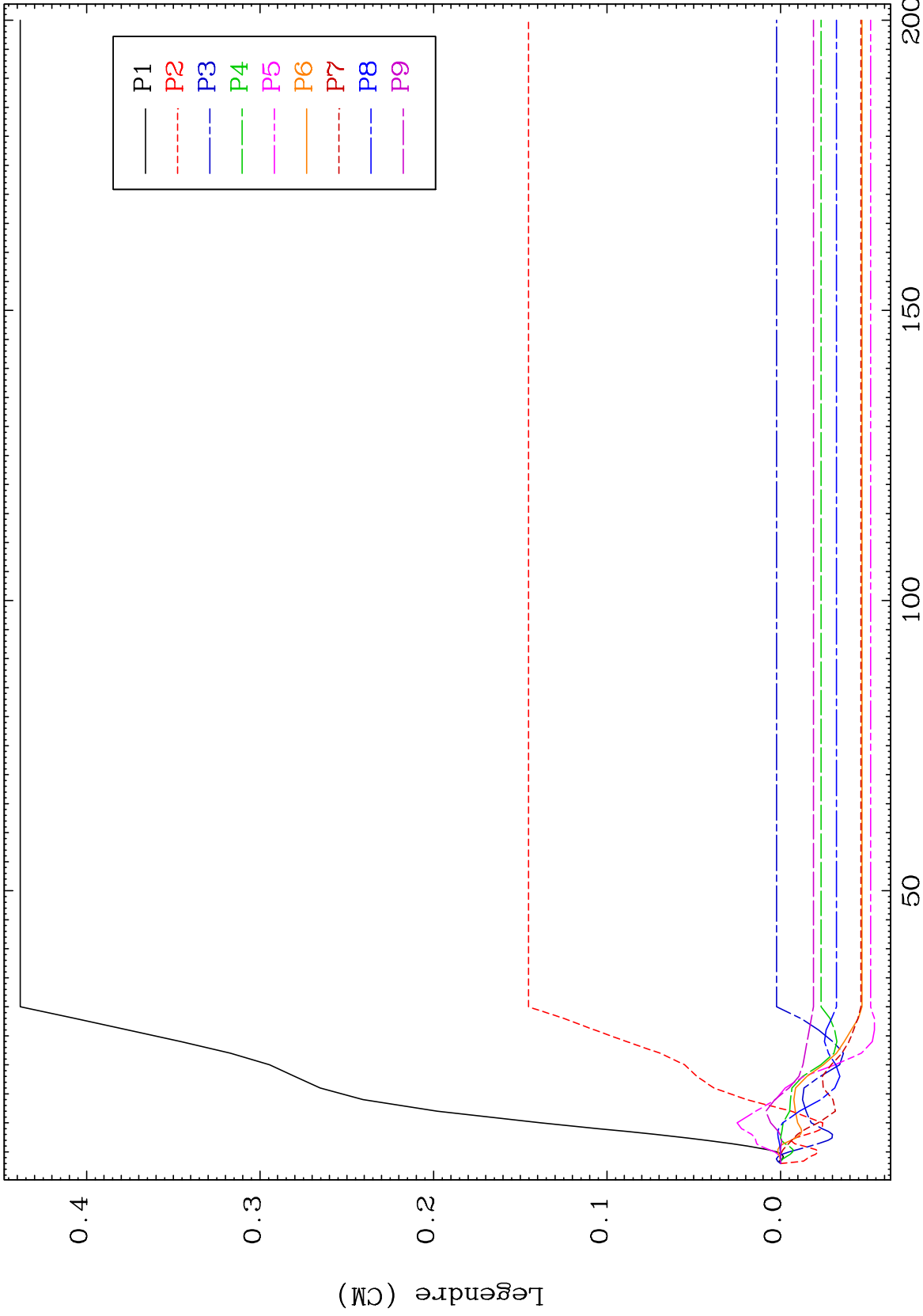


75 50 100 150 200 Incident Energy (MeV) 50-Sn-128

MAT 5073

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

50-Sn-128

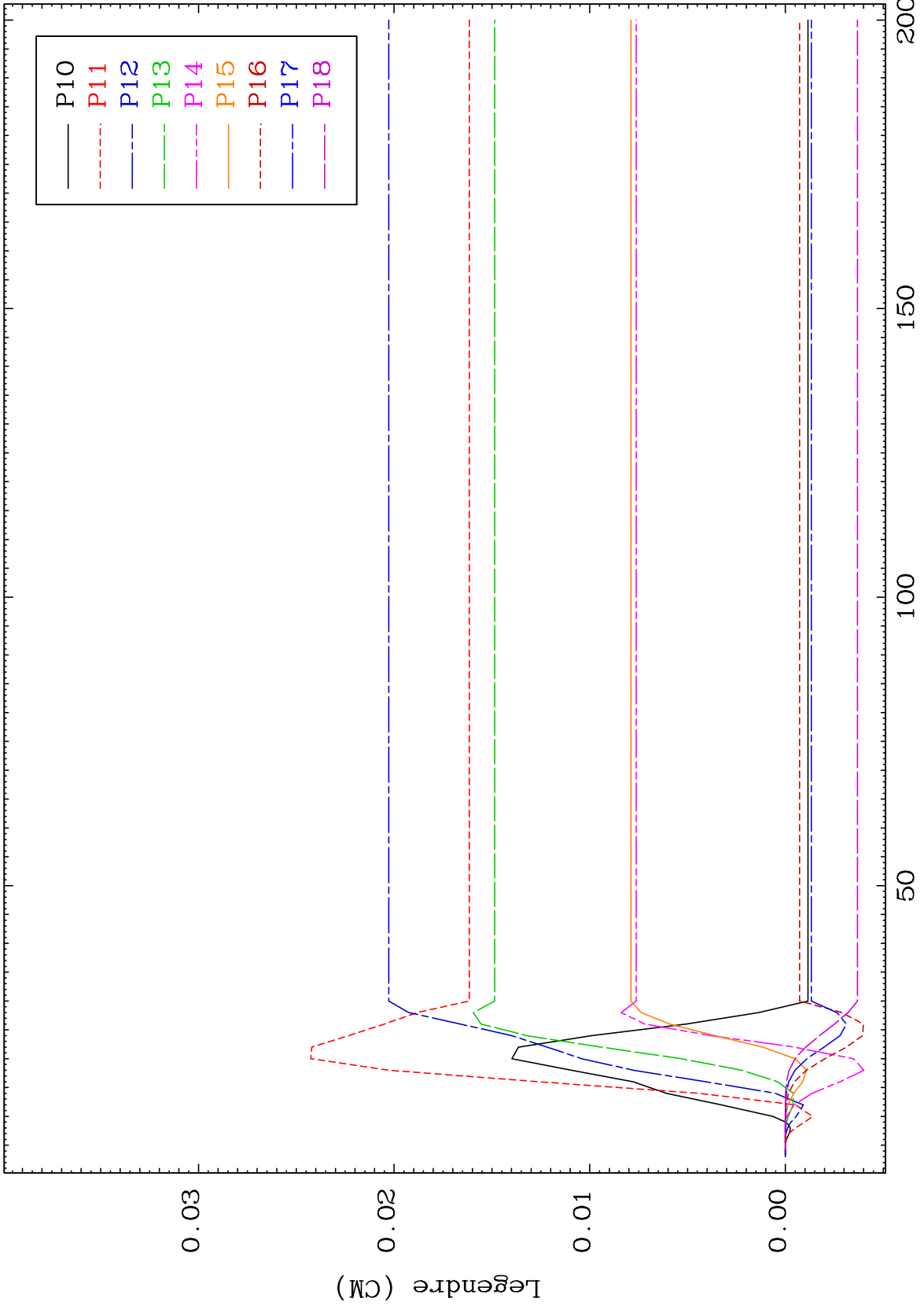


76

Incident Energy (MeV)

50-Sn-128

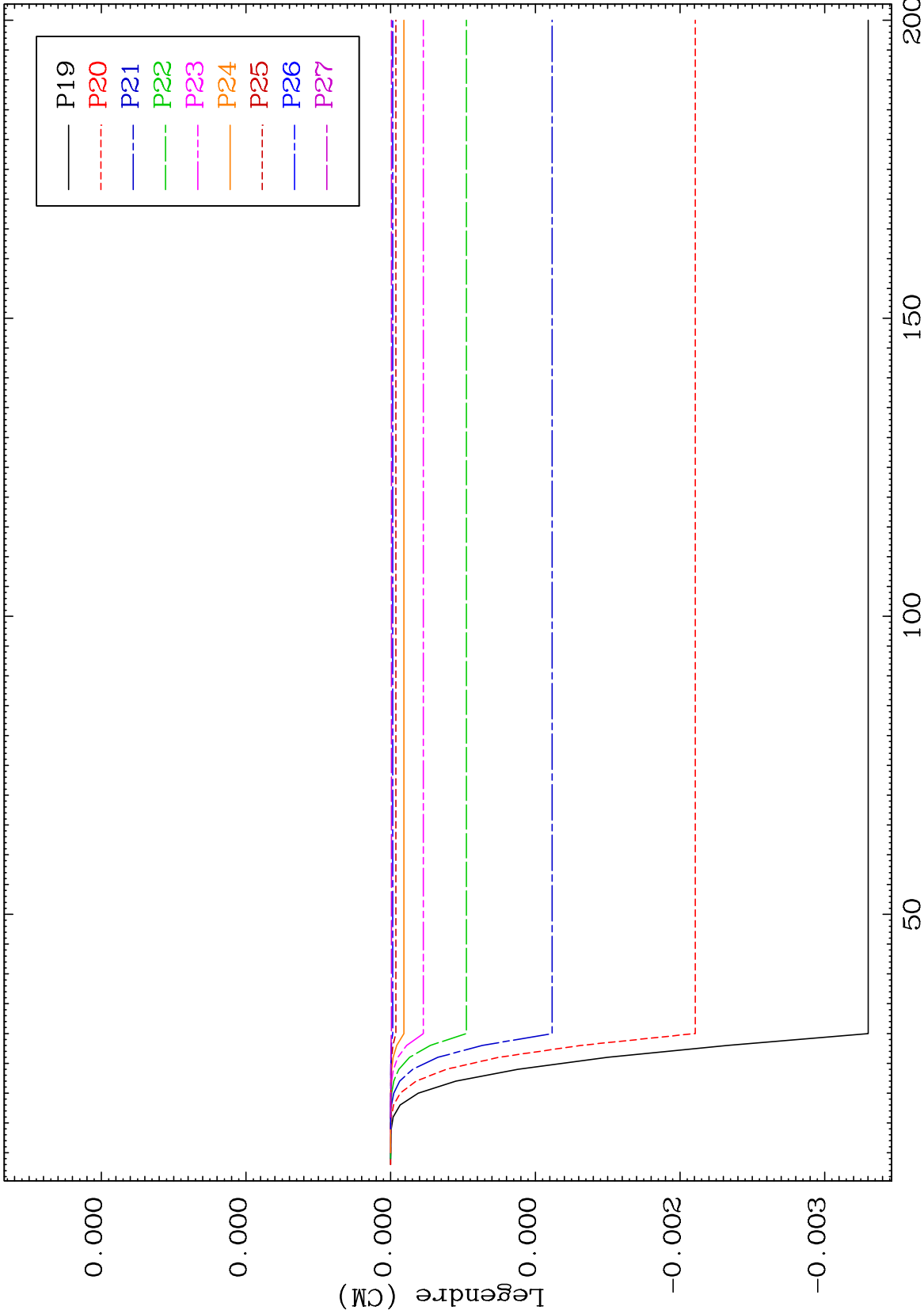
MAT 5073 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

50-Sn-128

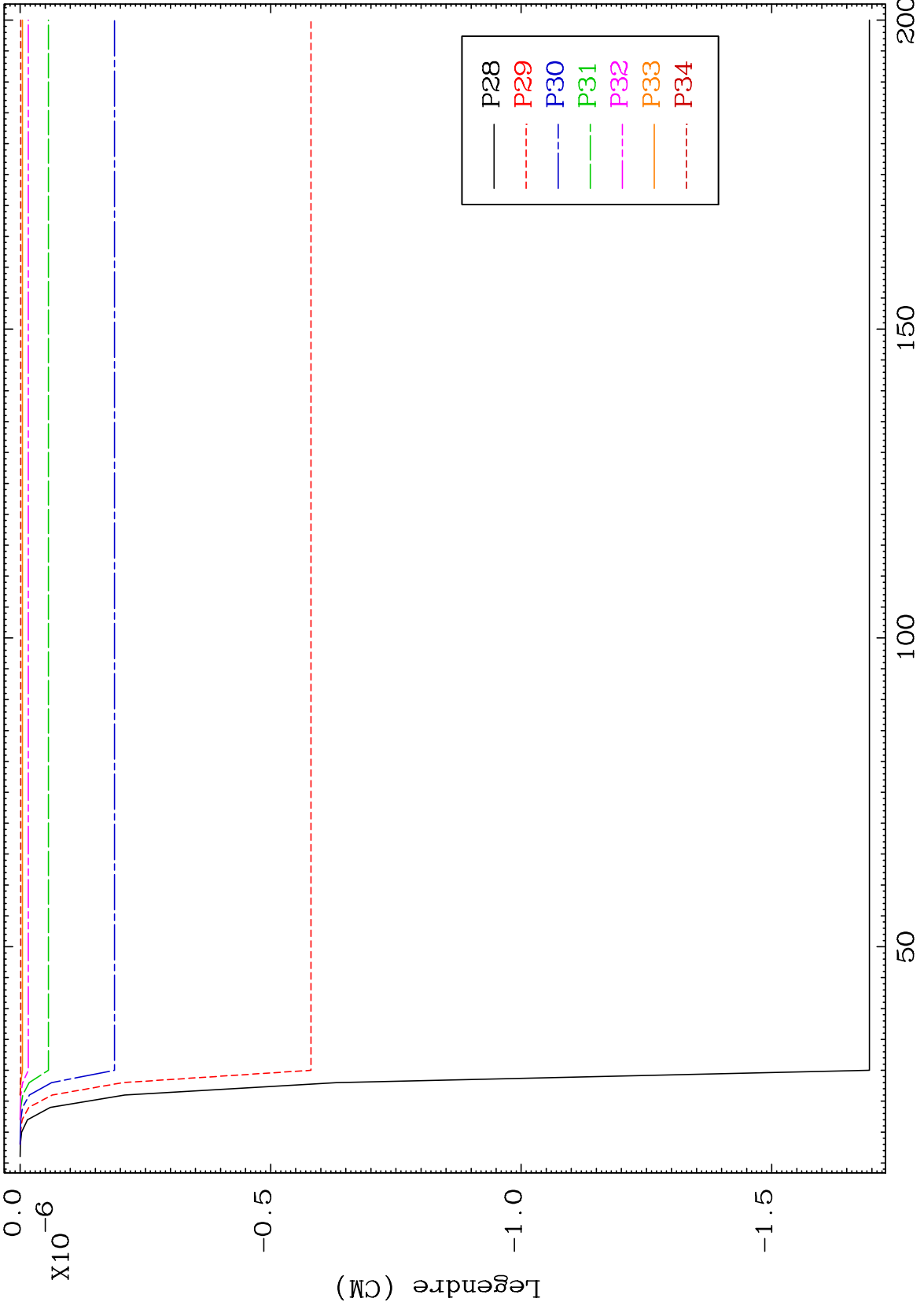


78

Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-128

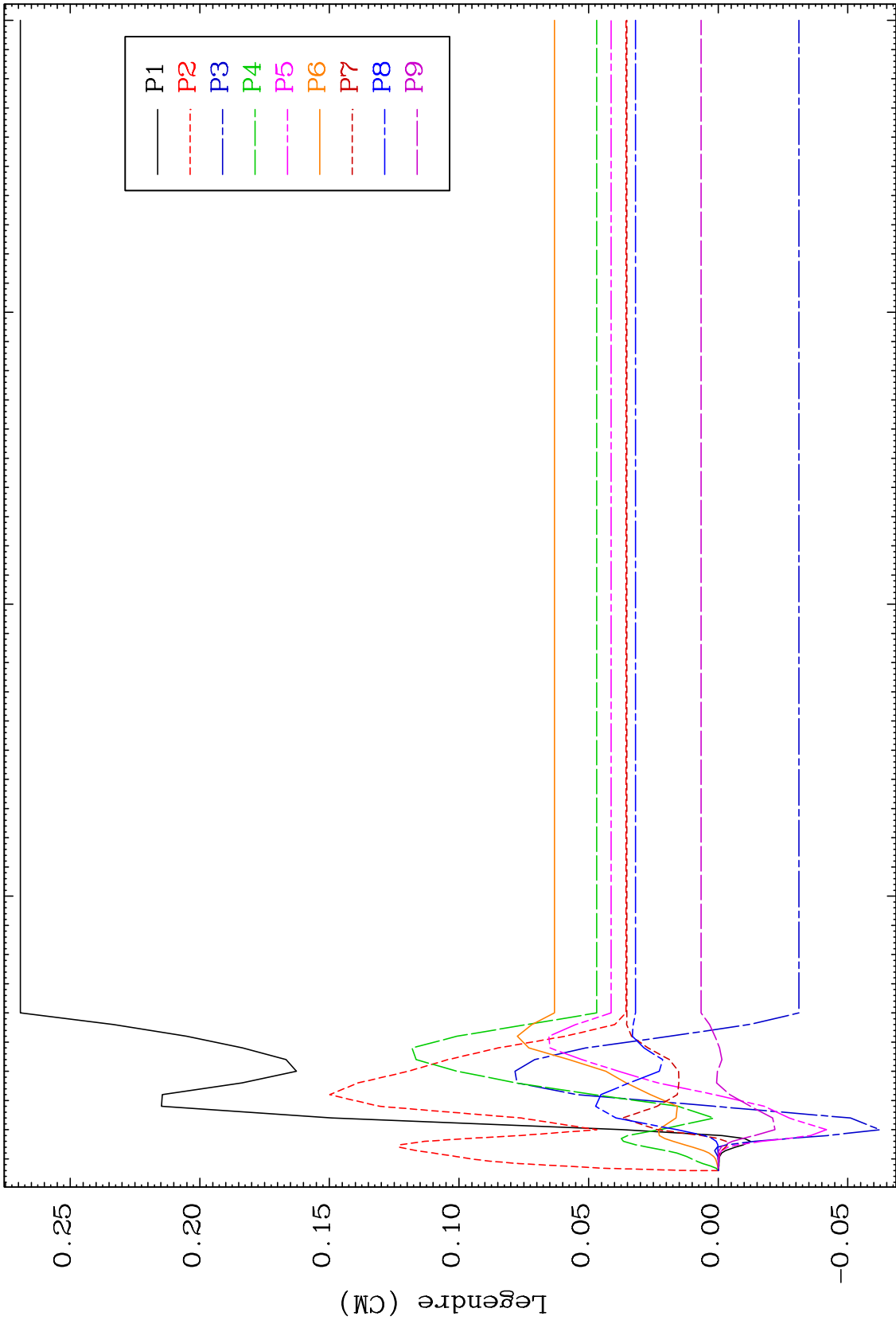


79 50-Sn-128

MAT 5073

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

50-Sn-128

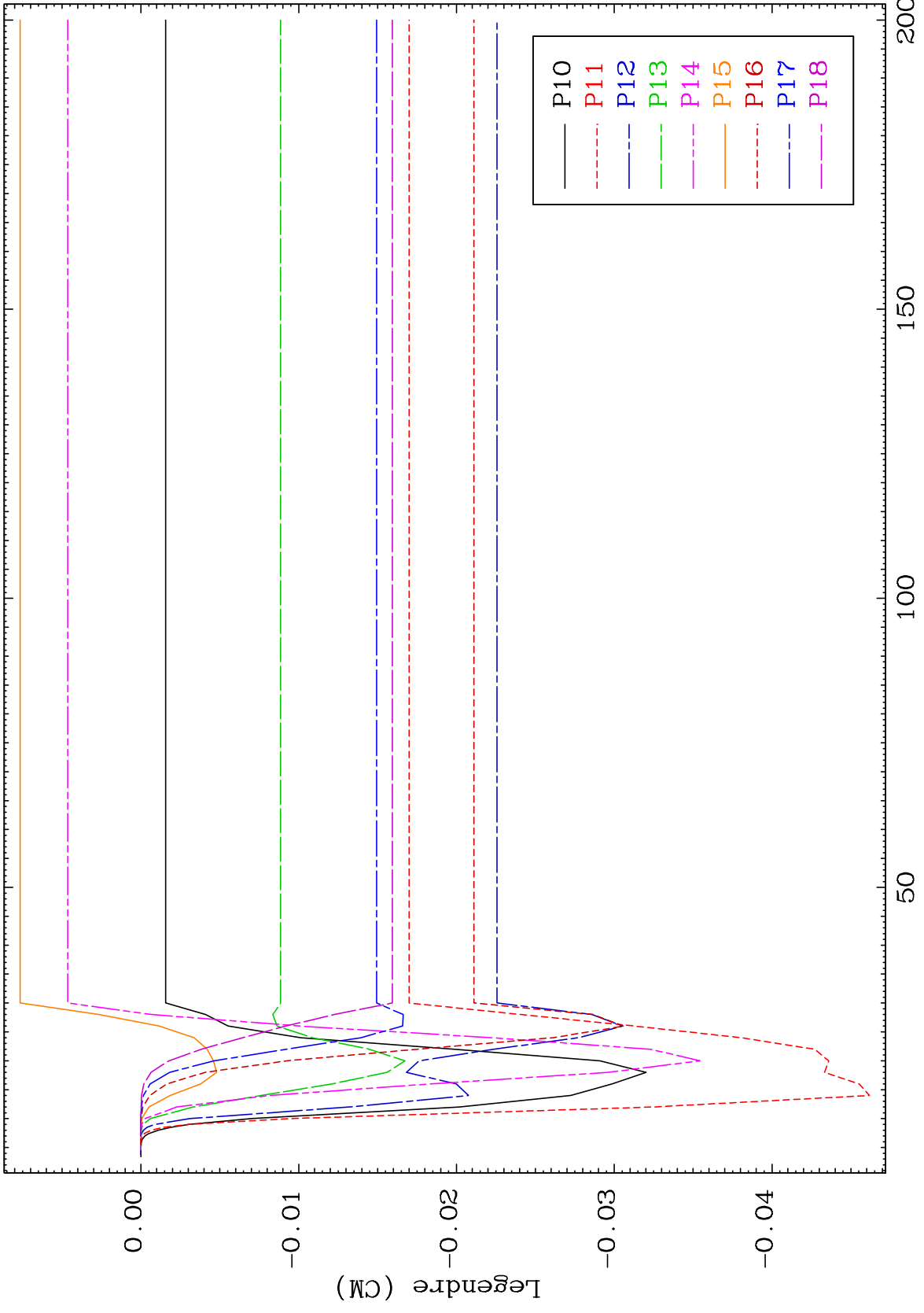


80

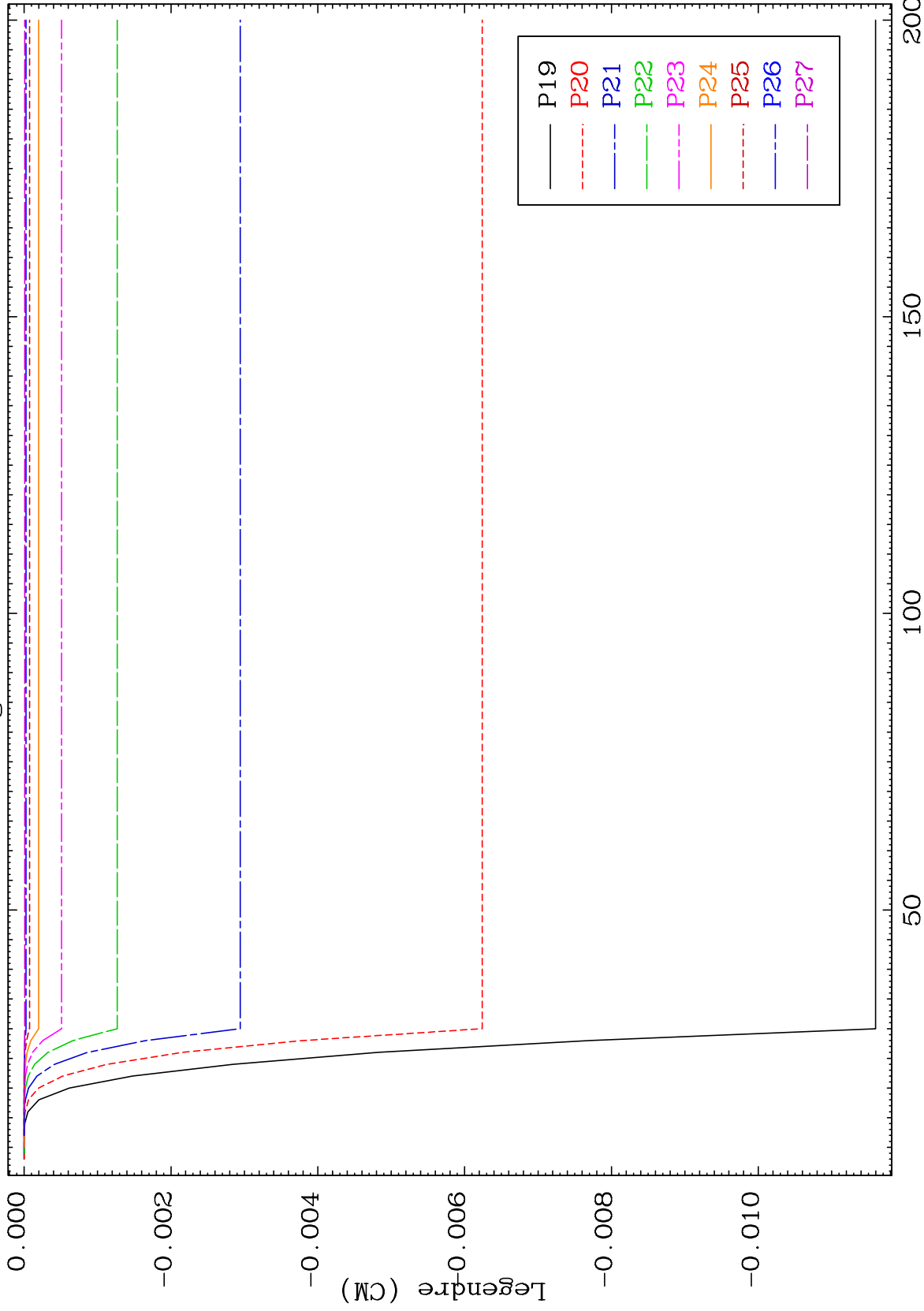
Incident Energy (MeV)

50-Sn-128

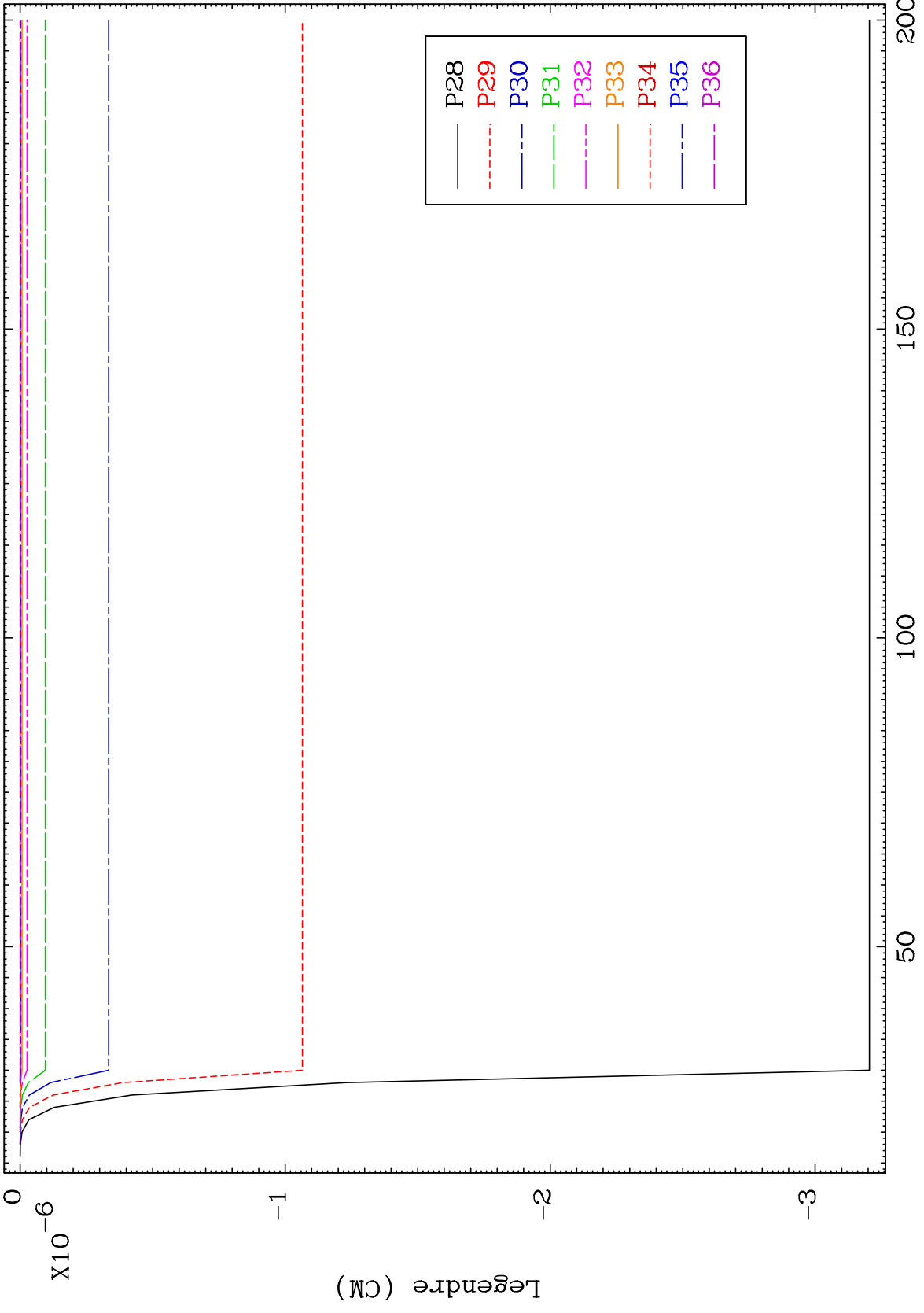
MAT 5073 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-128



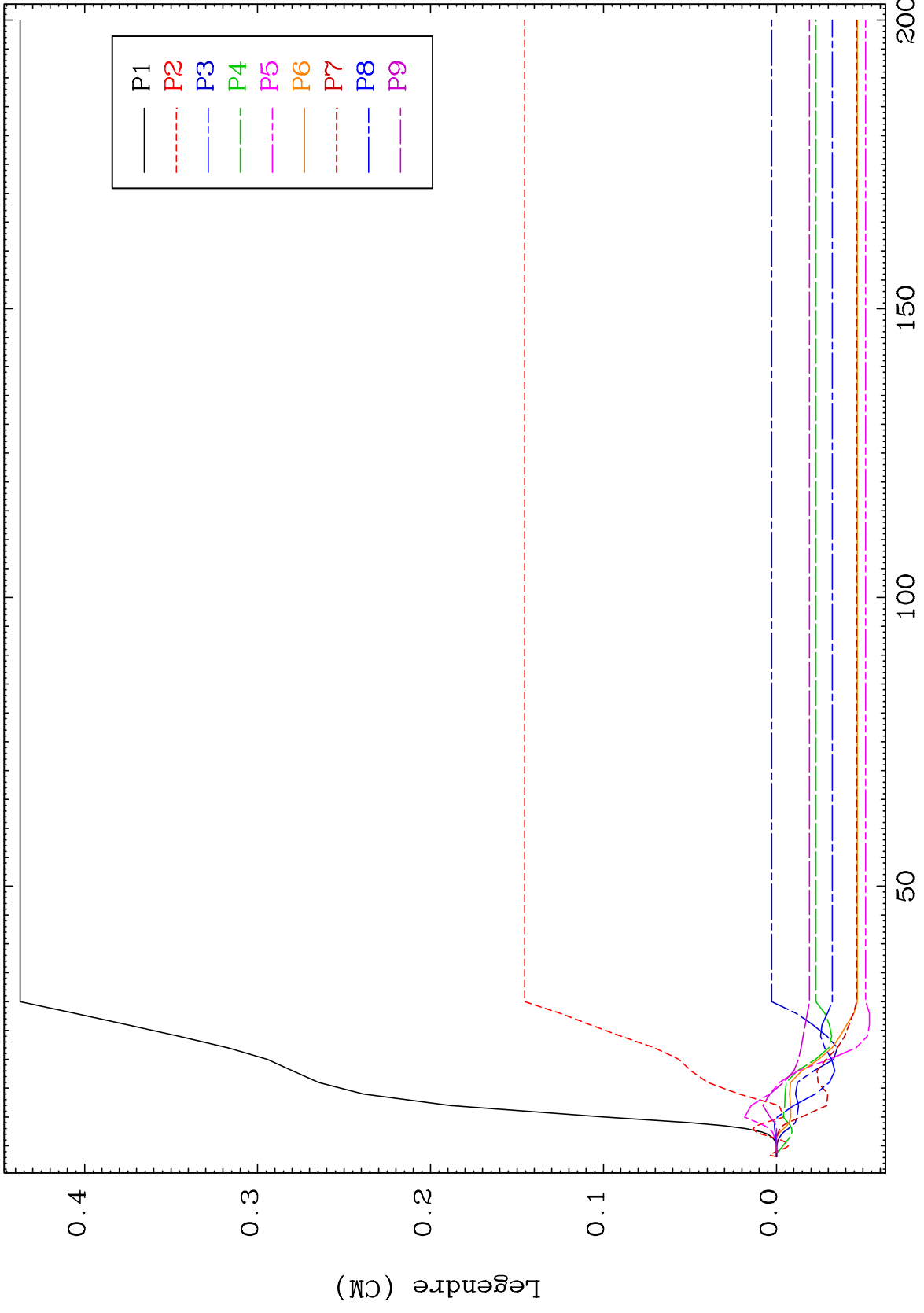
MAT 5073 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-128



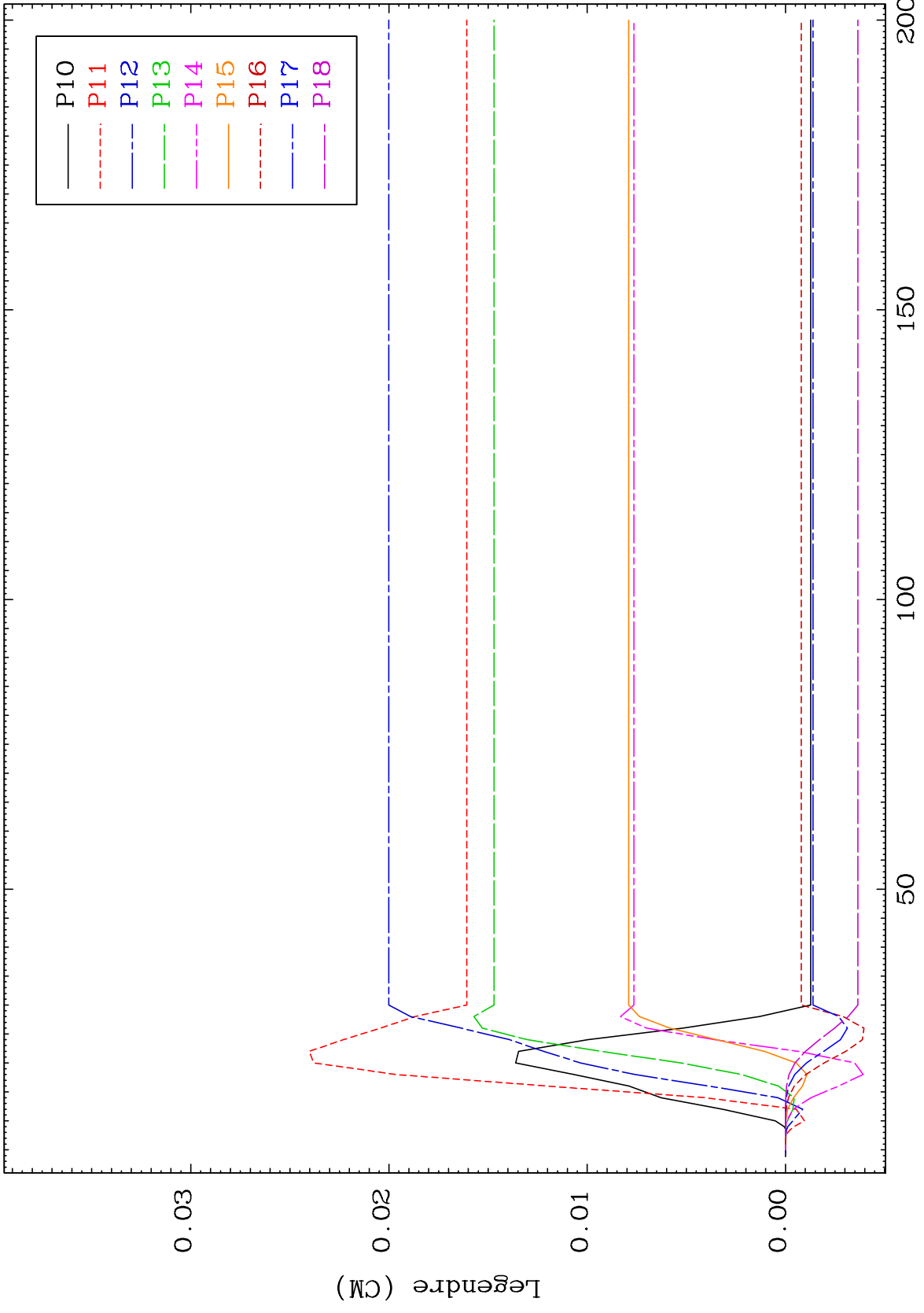
MAT 5073 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-128



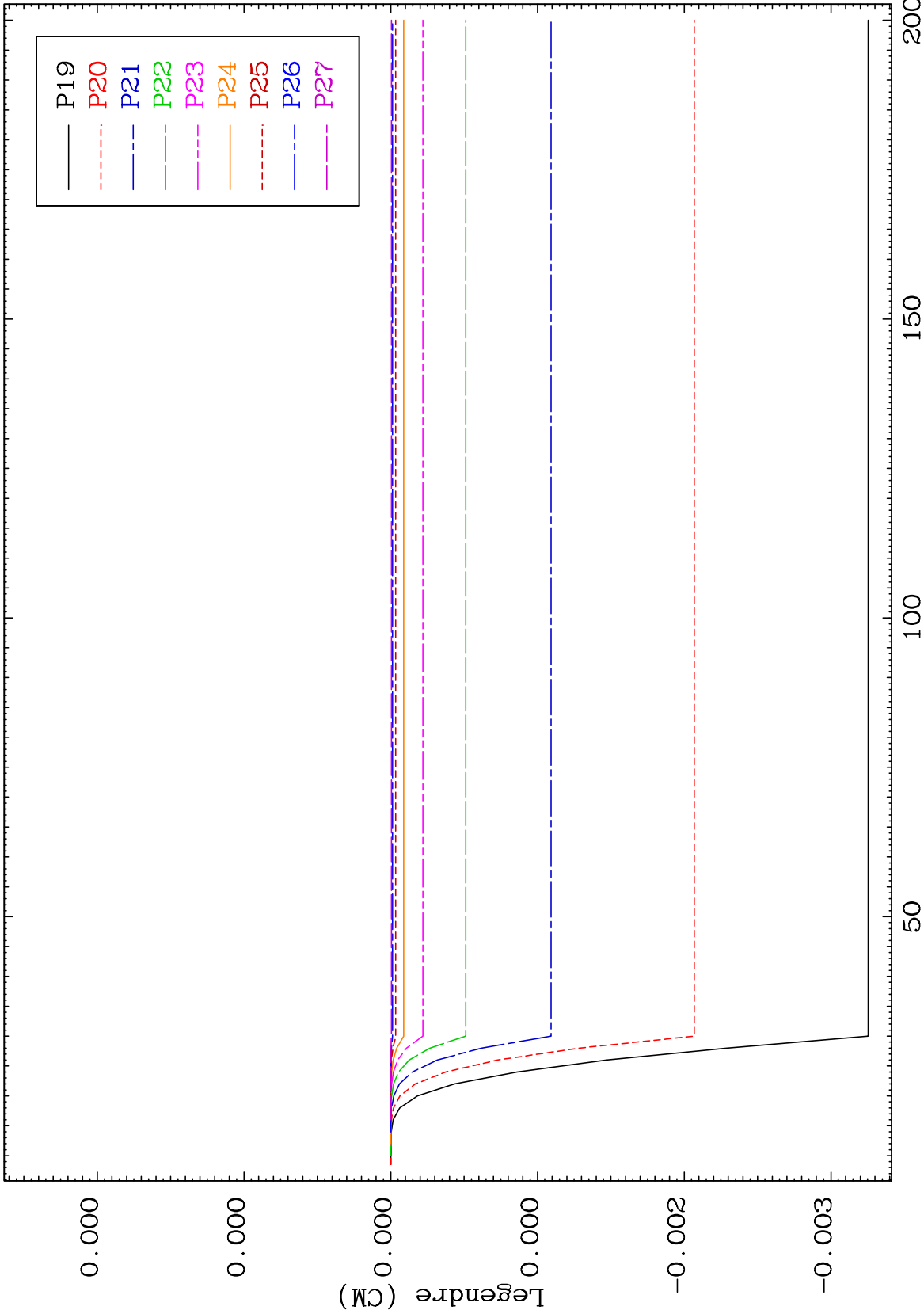
MAT 5073 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

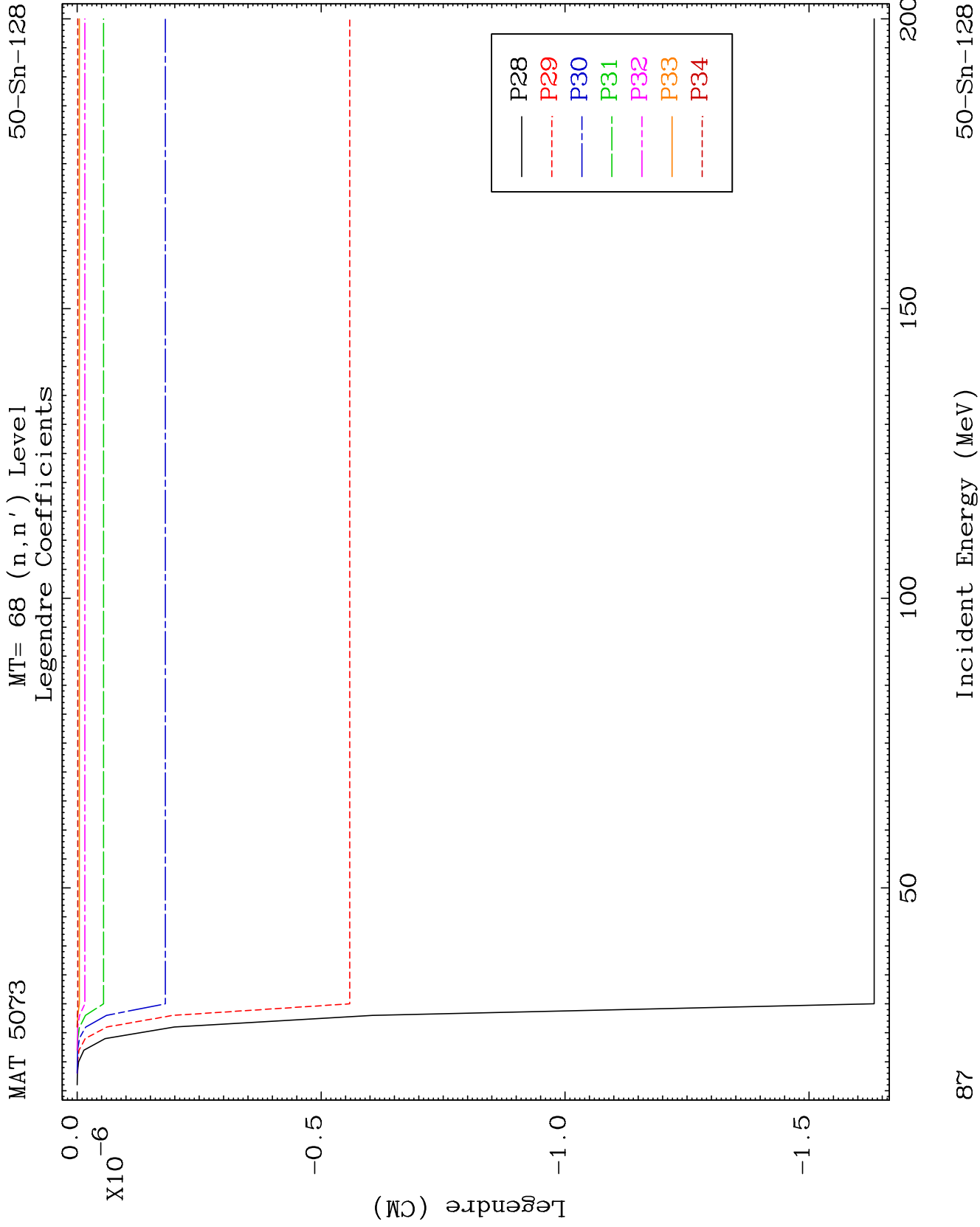
50-Sn-128



86

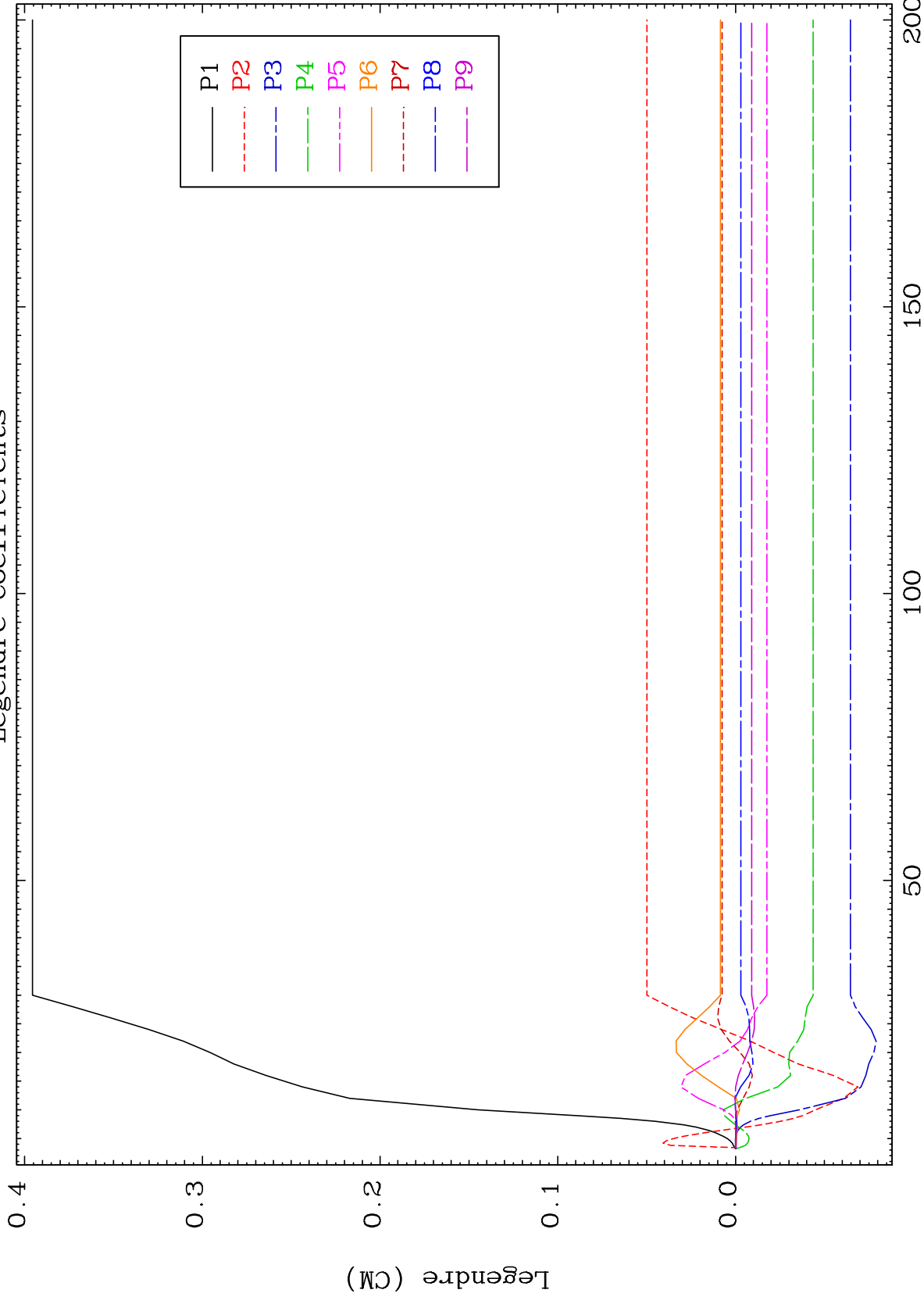
Incident Energy (MeV)

50-Sn-128



MAT 5073 MT= 69 (n,n') Level Legendre Coefficients

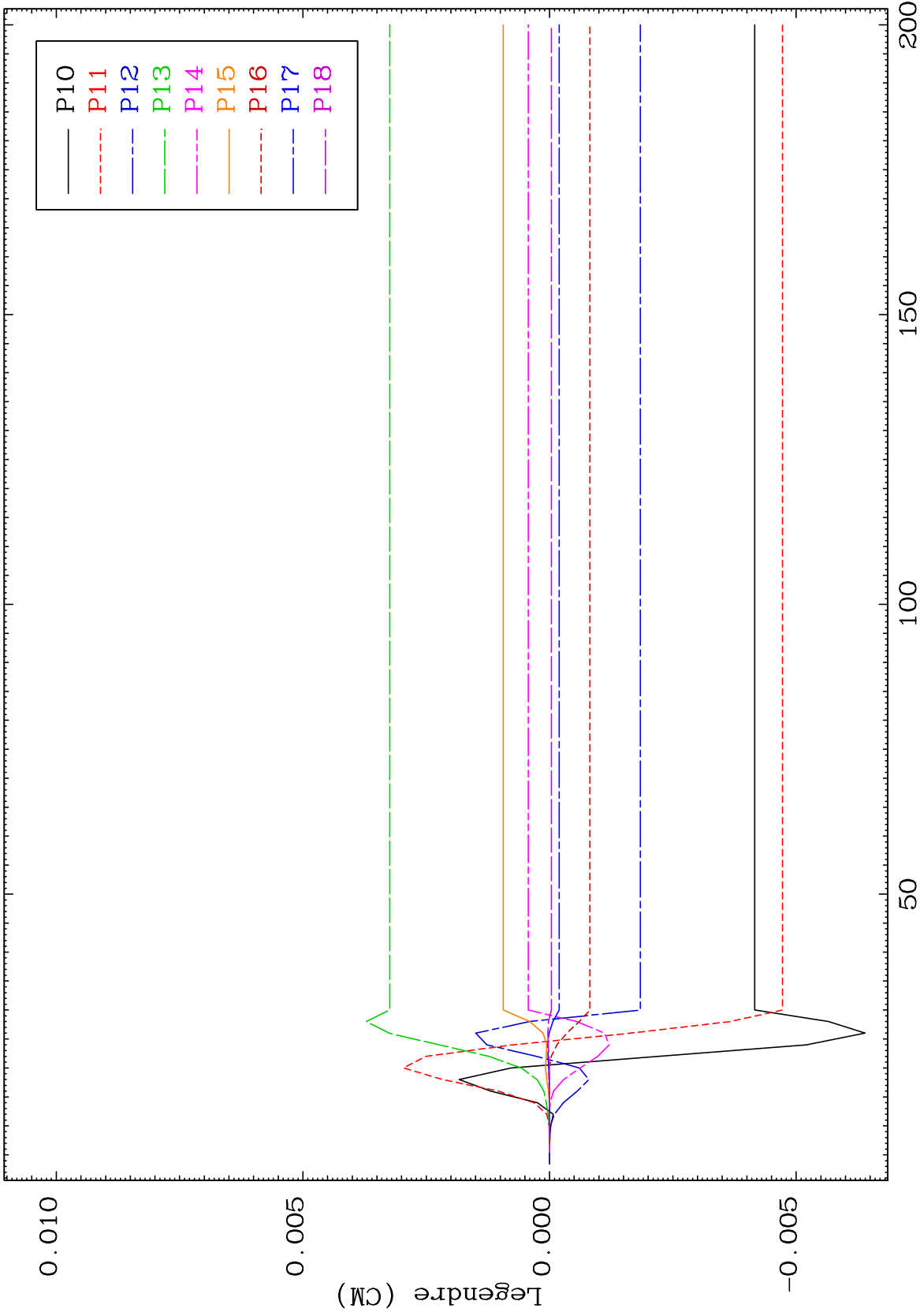
50-Sn-128



MAT 5073

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

50-Sn-128



89

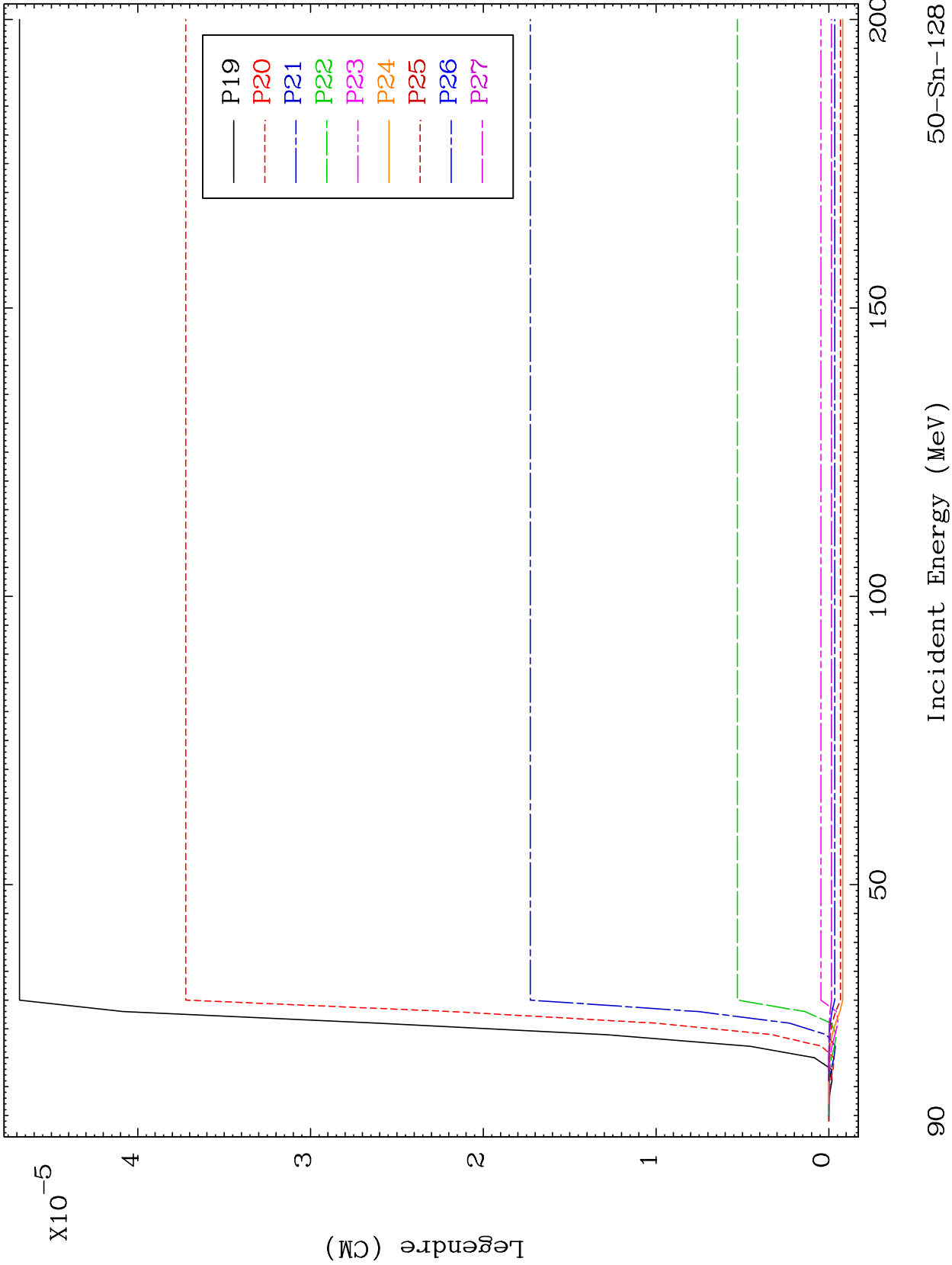
Incident Energy (MeV)

50-Sn-128

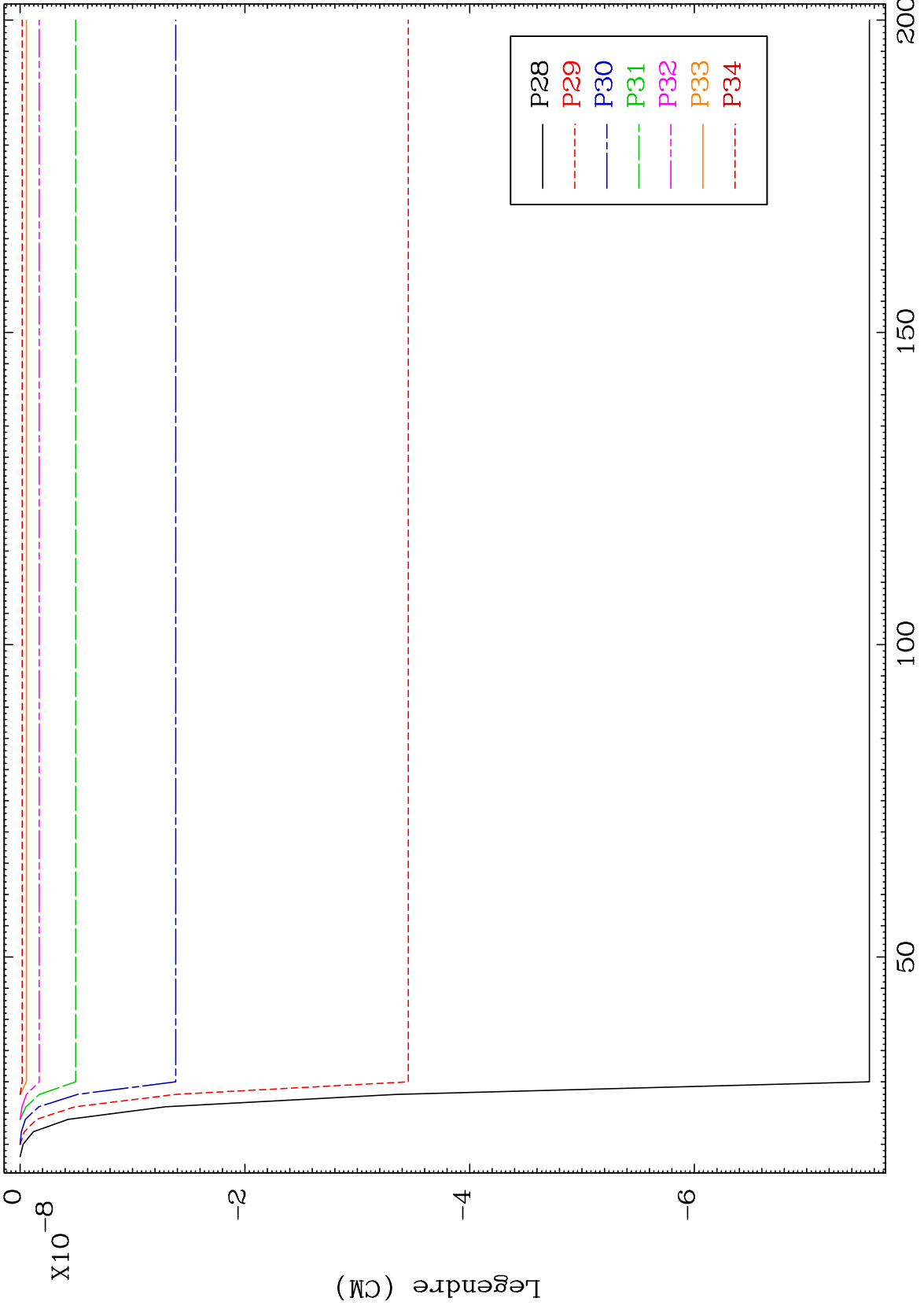
MAT 5073

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

50-Sn-128



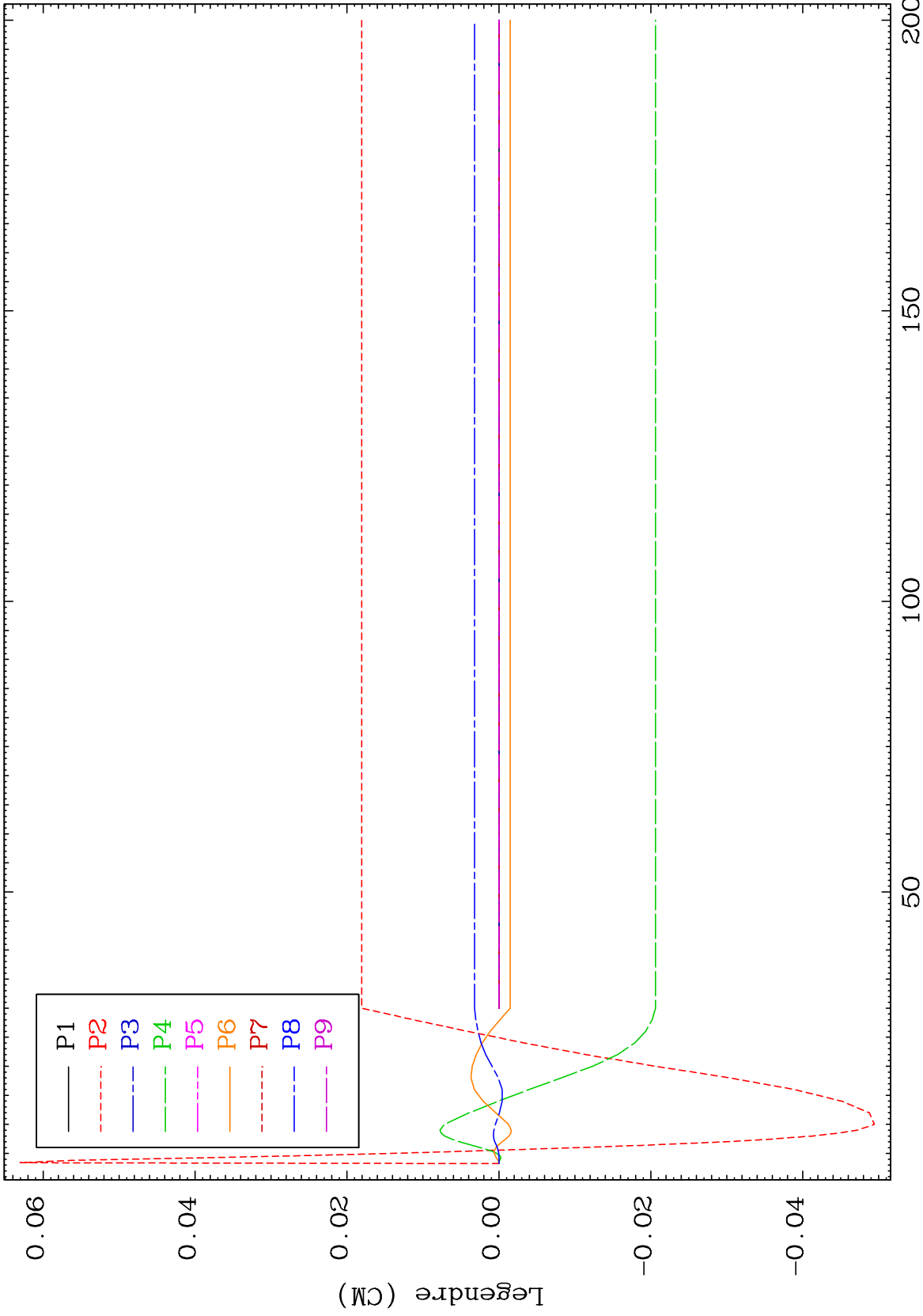
MAT 5073 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

50-Sn-128



92

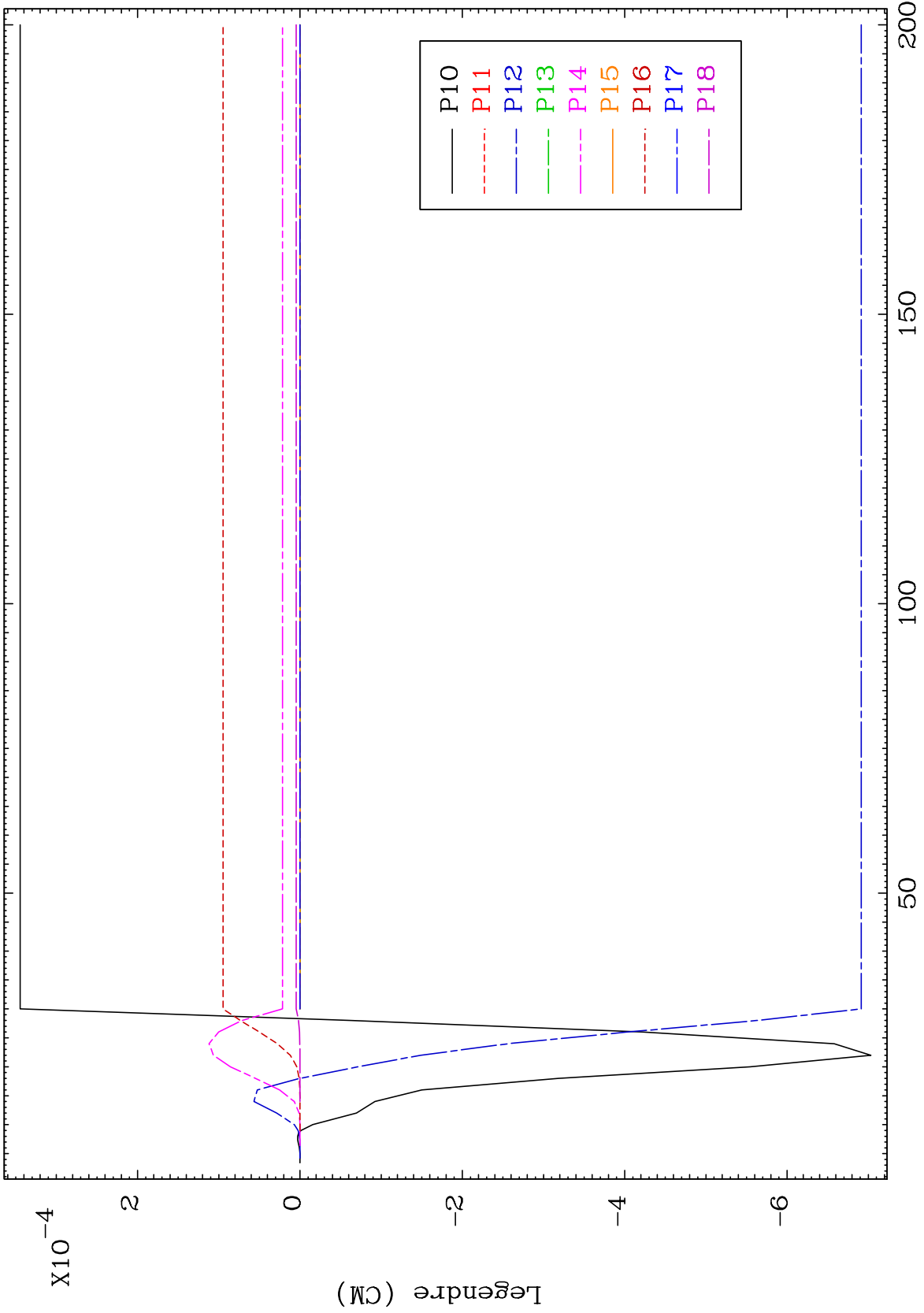
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

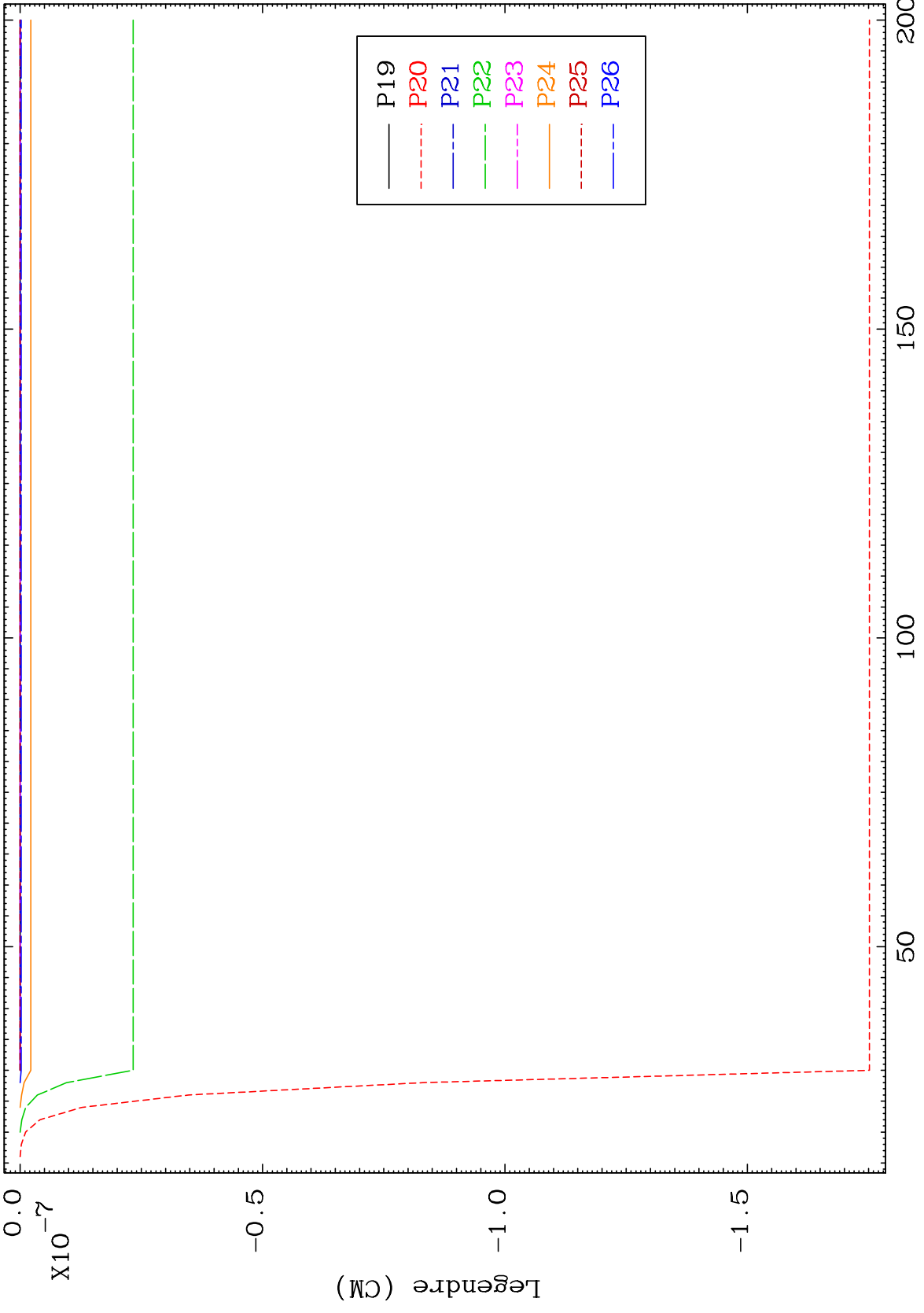


93

Incident Energy (MeV)

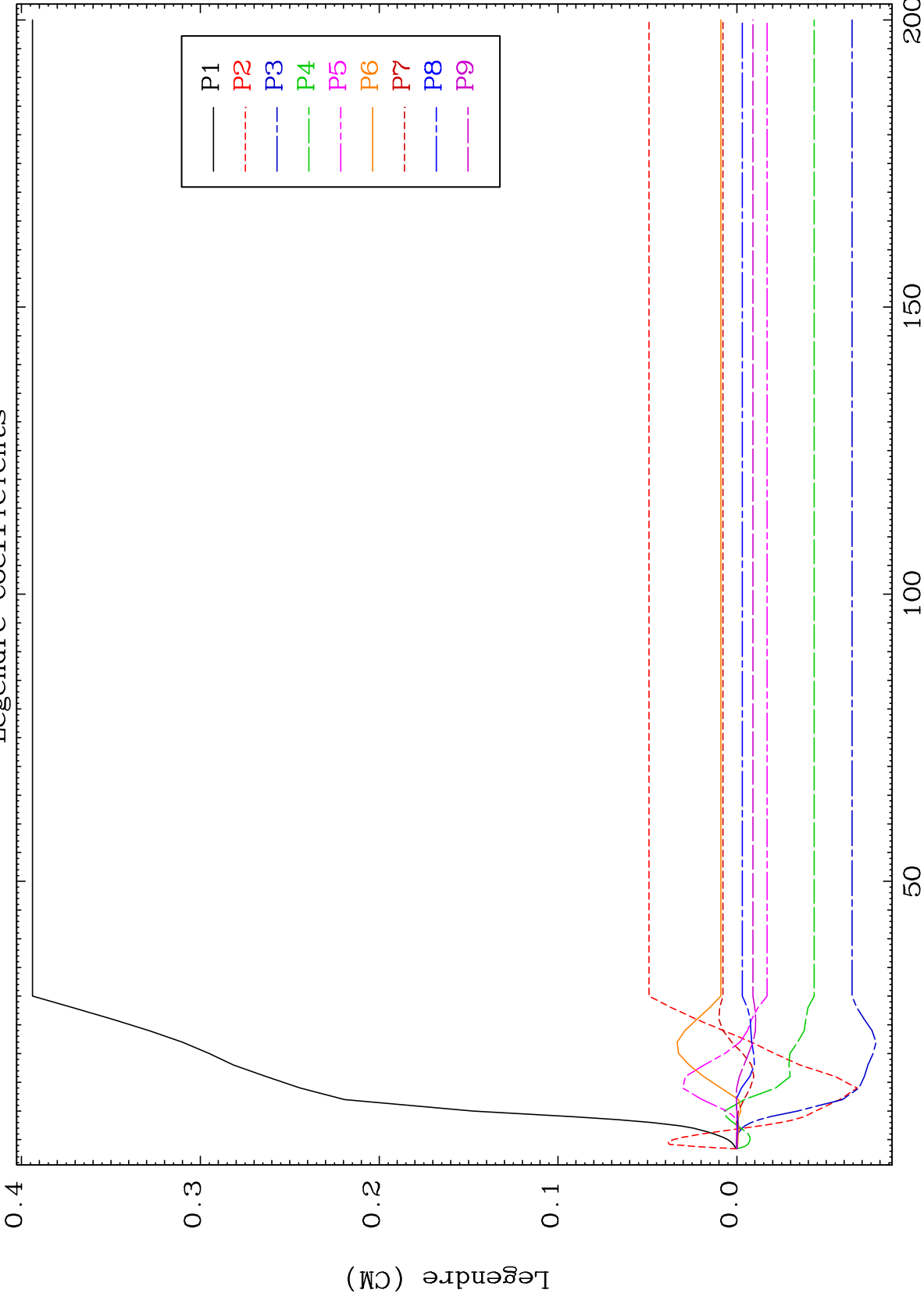
50-Sn-128

MAT 5073 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073 MT= 71 (n,n') Level Legendre Coefficients

50-Sn-128



50-Sn-128

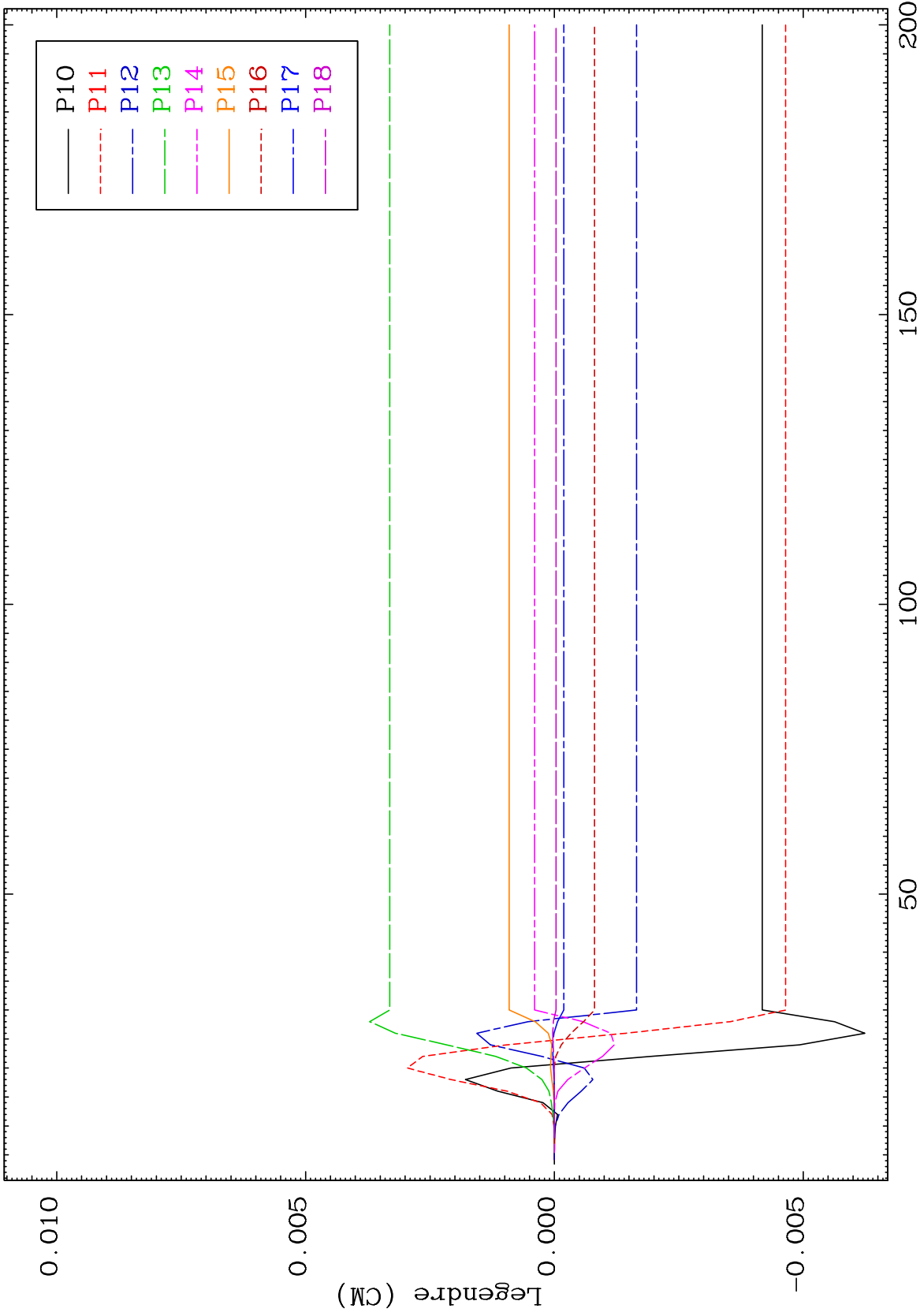
Incident Energy (MeV)

95

MAT 5073

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

50-Sn-128



96

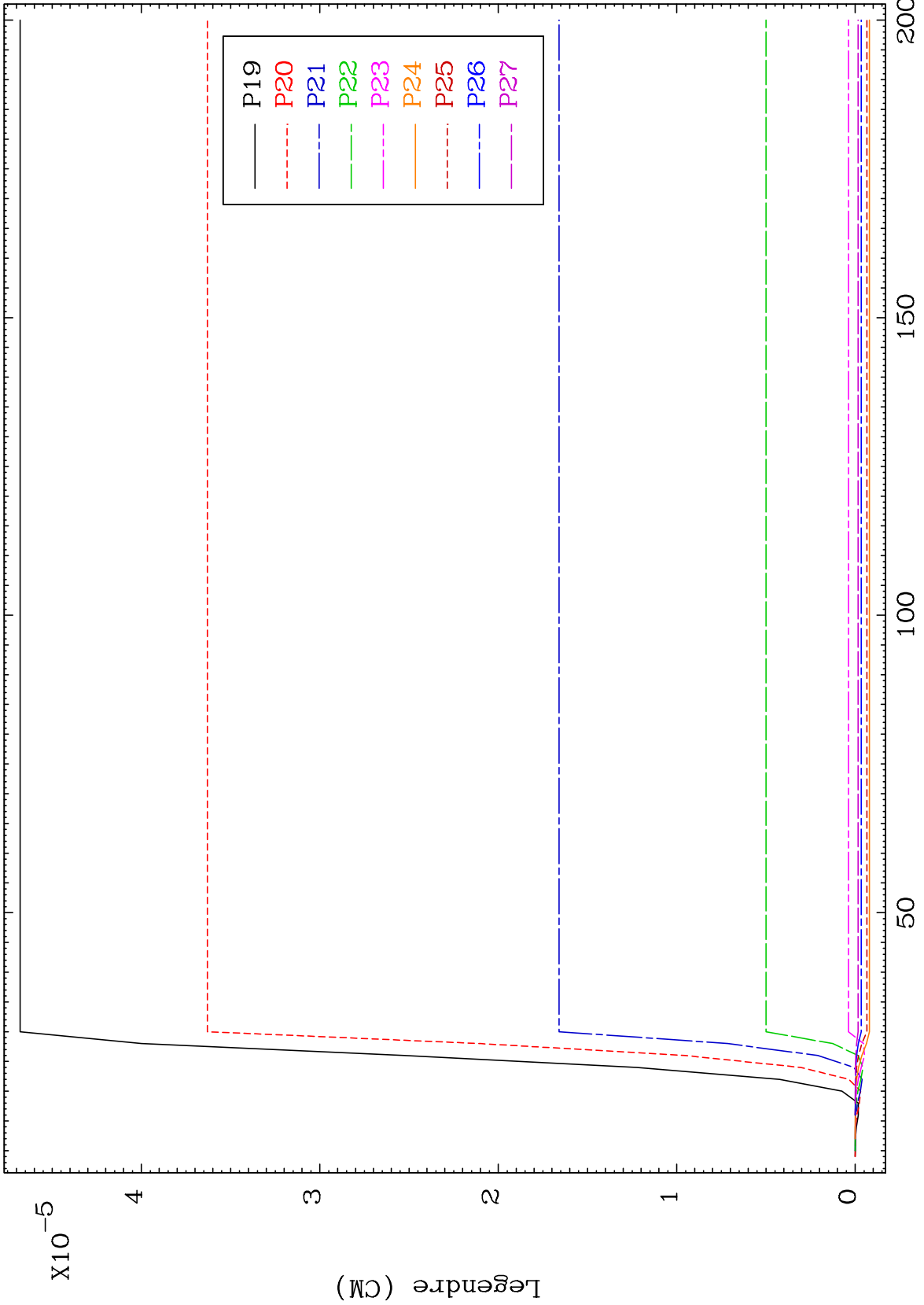
Incident Energy (MeV)

50-Sn-128

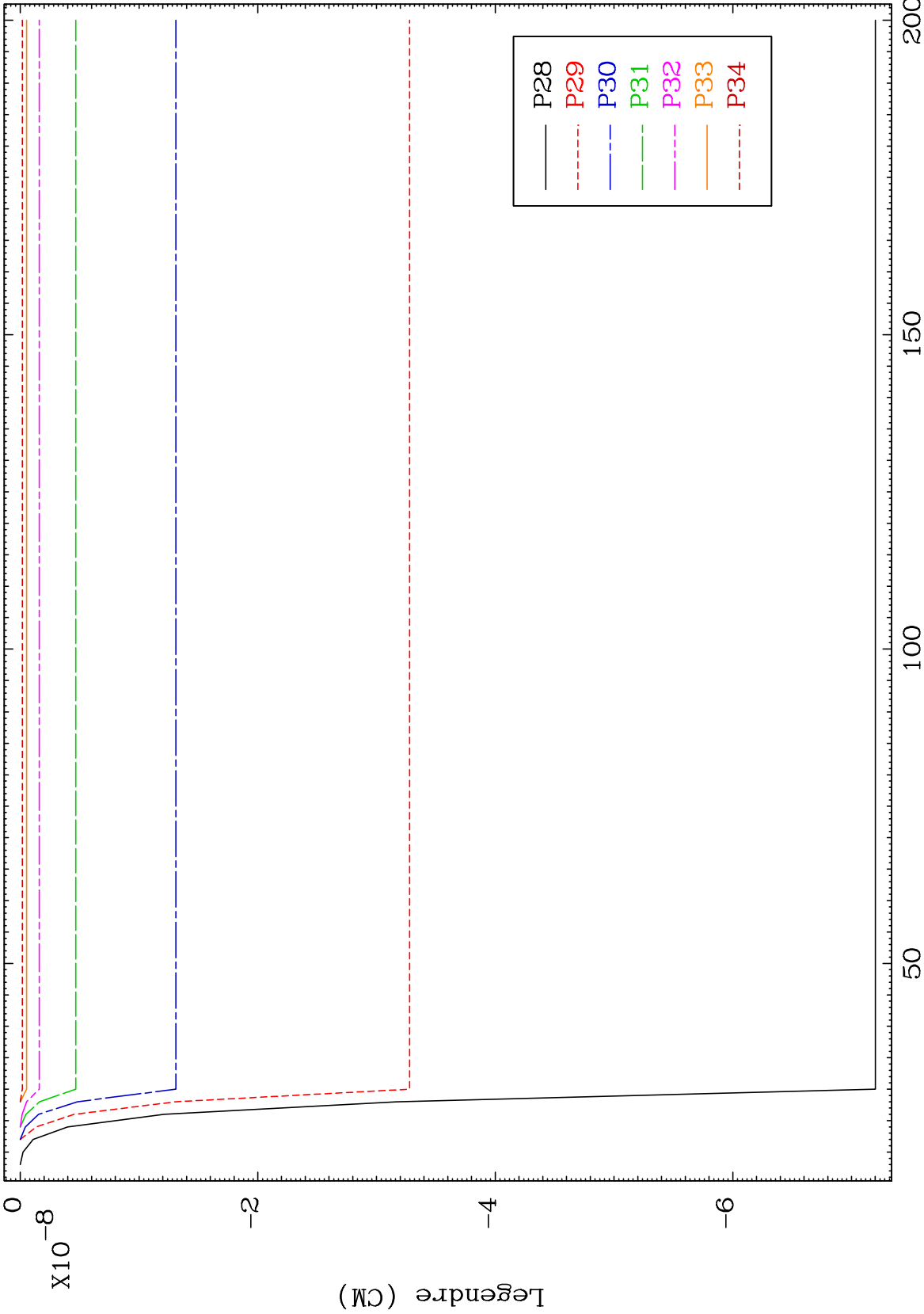
MAT 5073

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

50-Sn-128



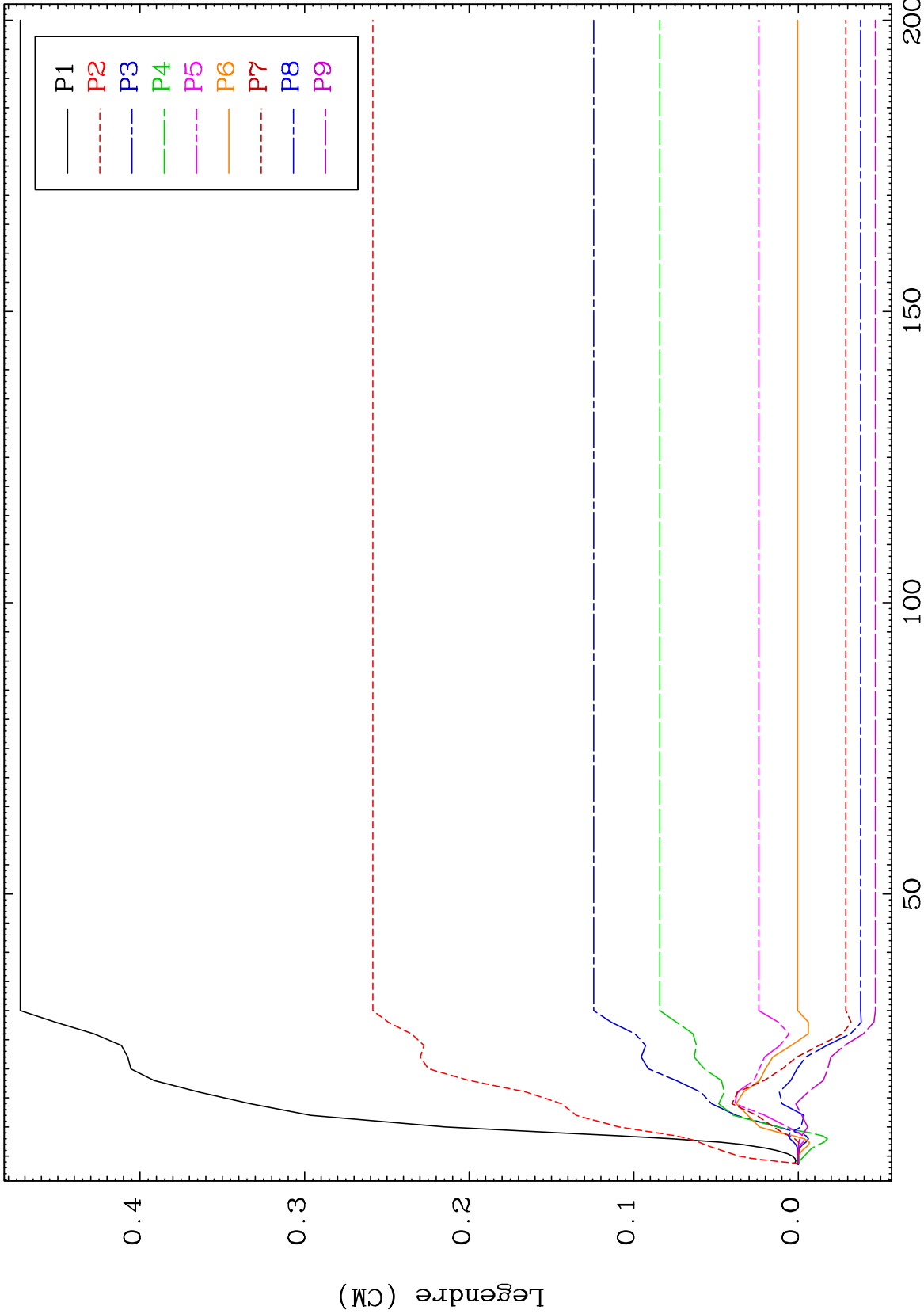
MAT 5073 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

50-Sn-128



99

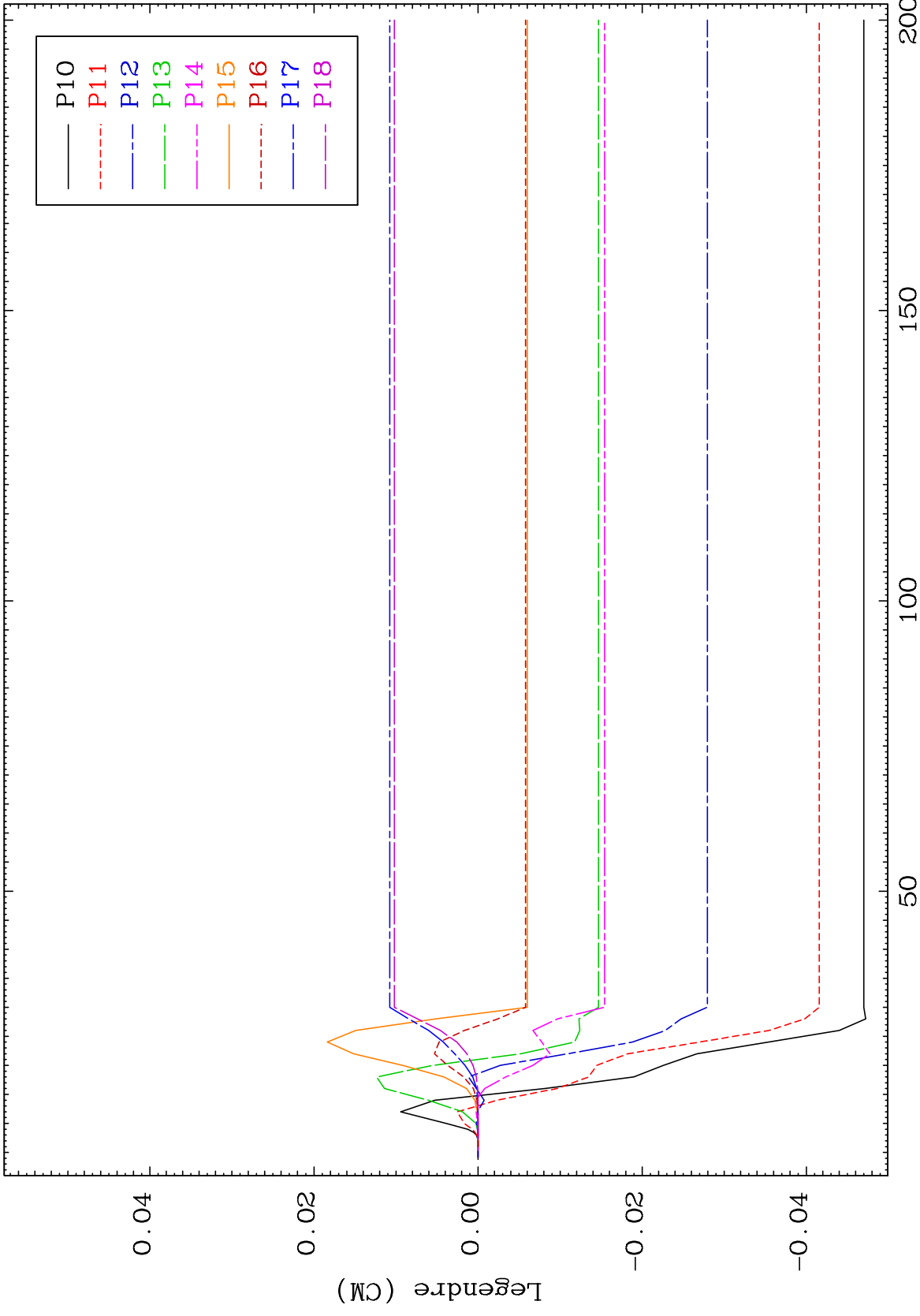
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



50-Sn-128

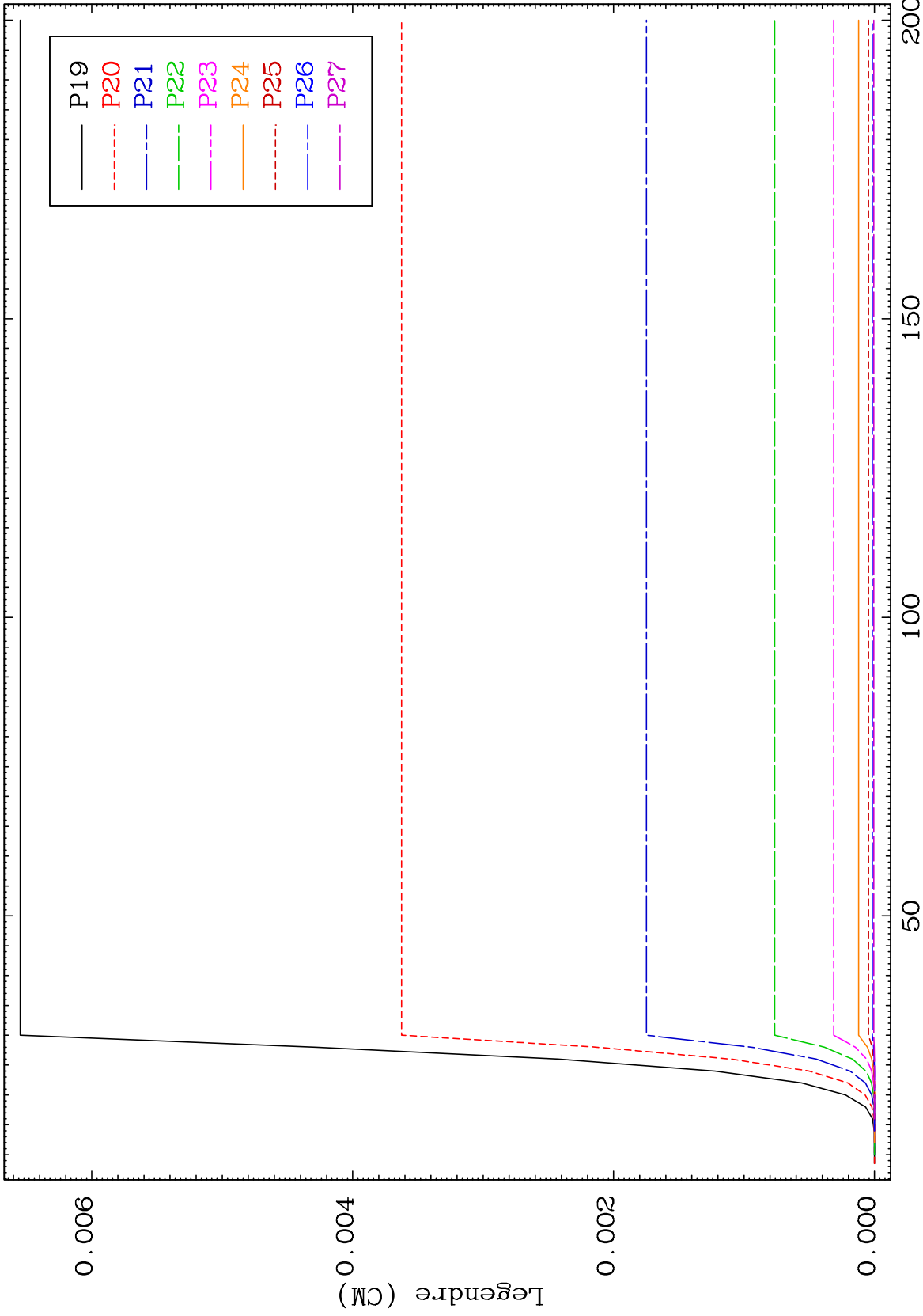
Incident Energy (MeV)

Legendre (CM)

MAT 5073

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

50-Sn-128



101

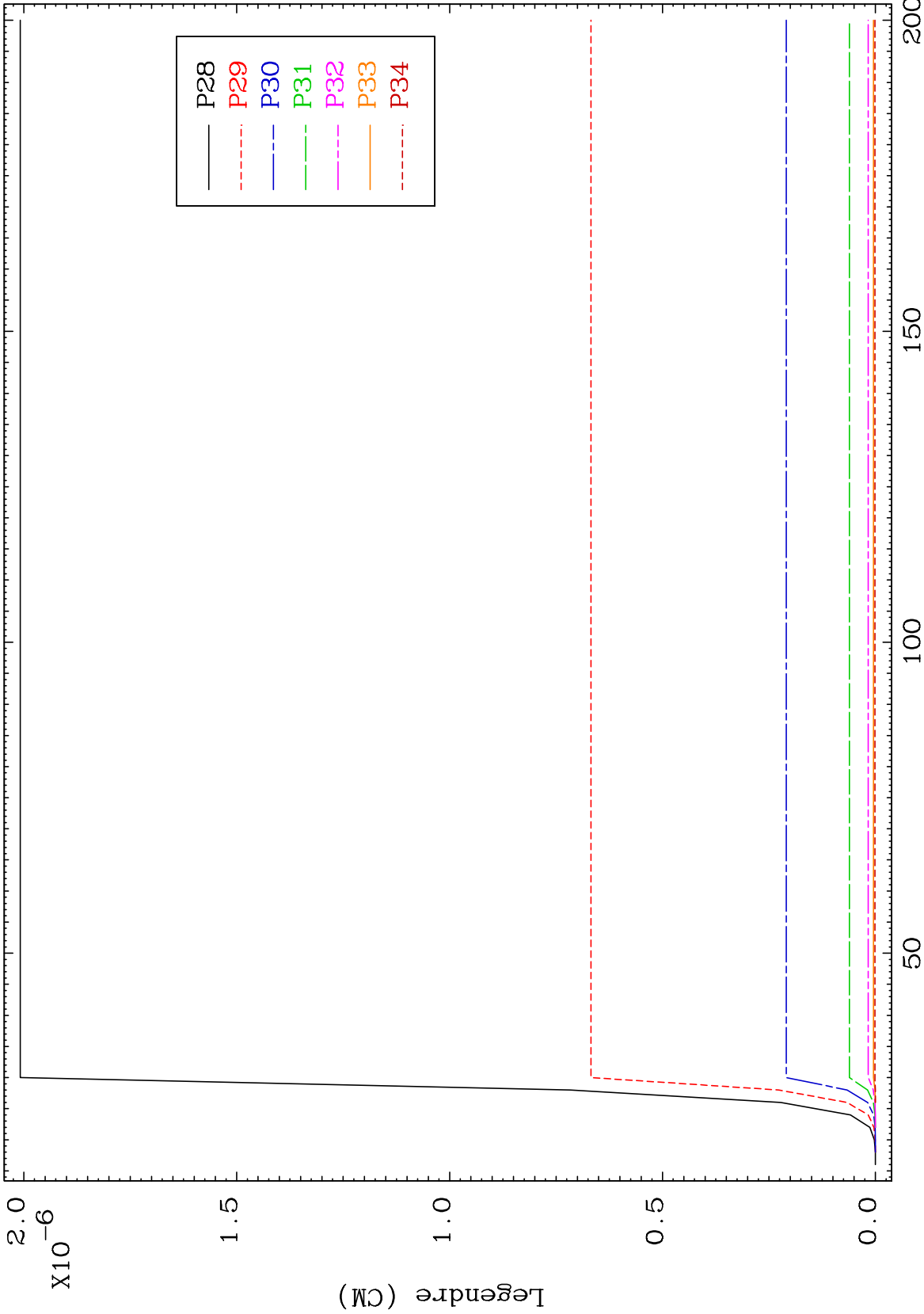
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



102

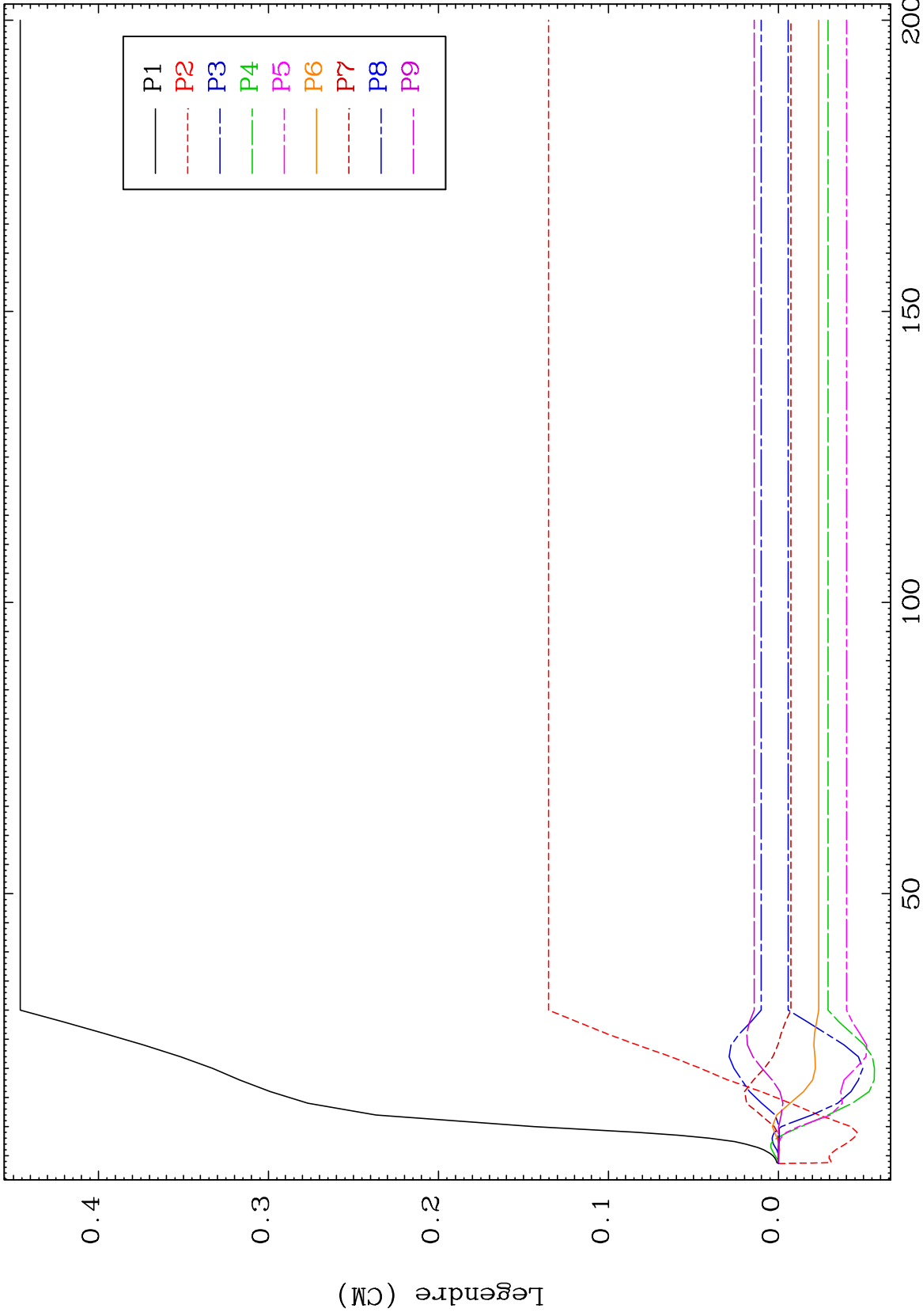
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



103

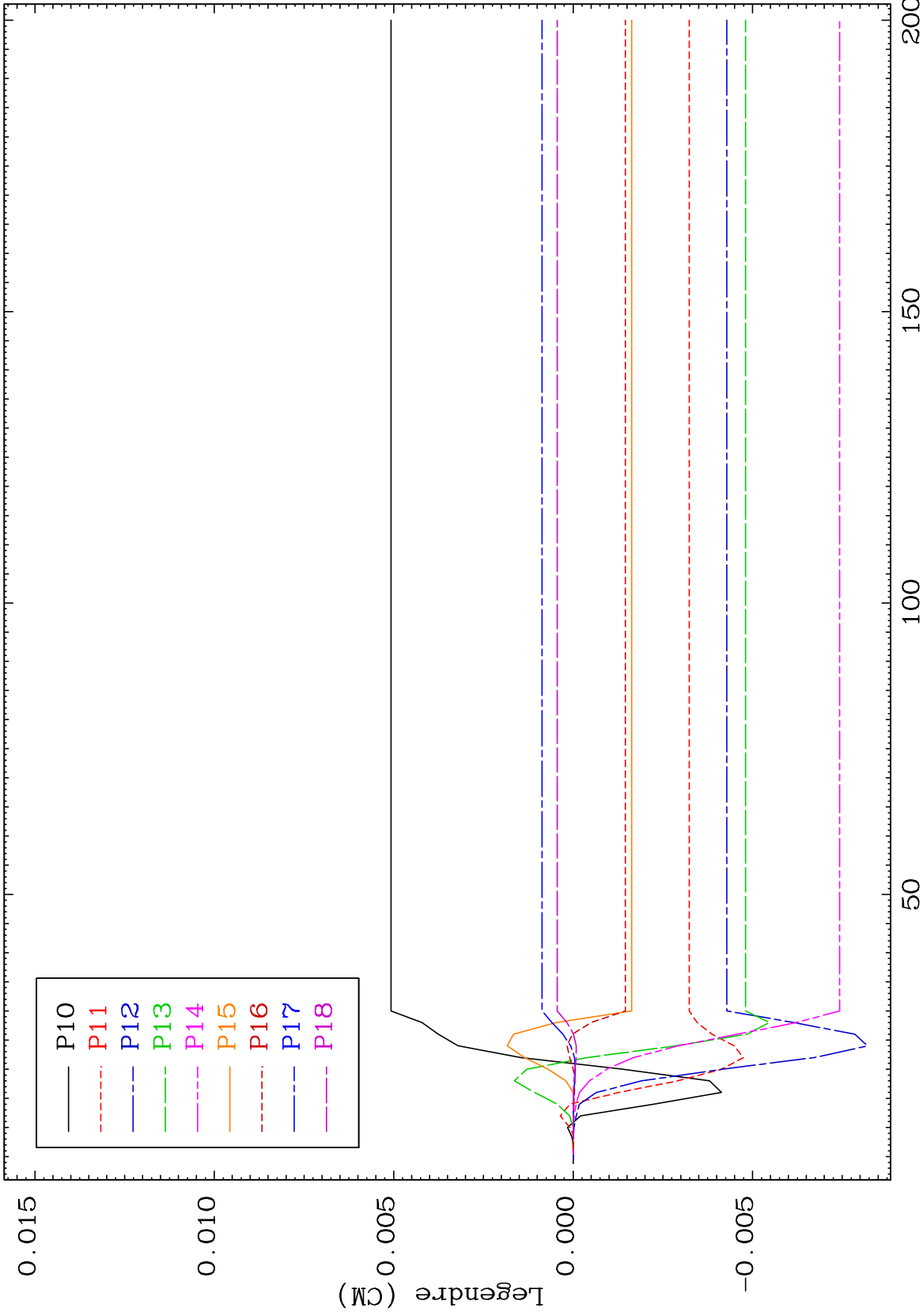
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



104

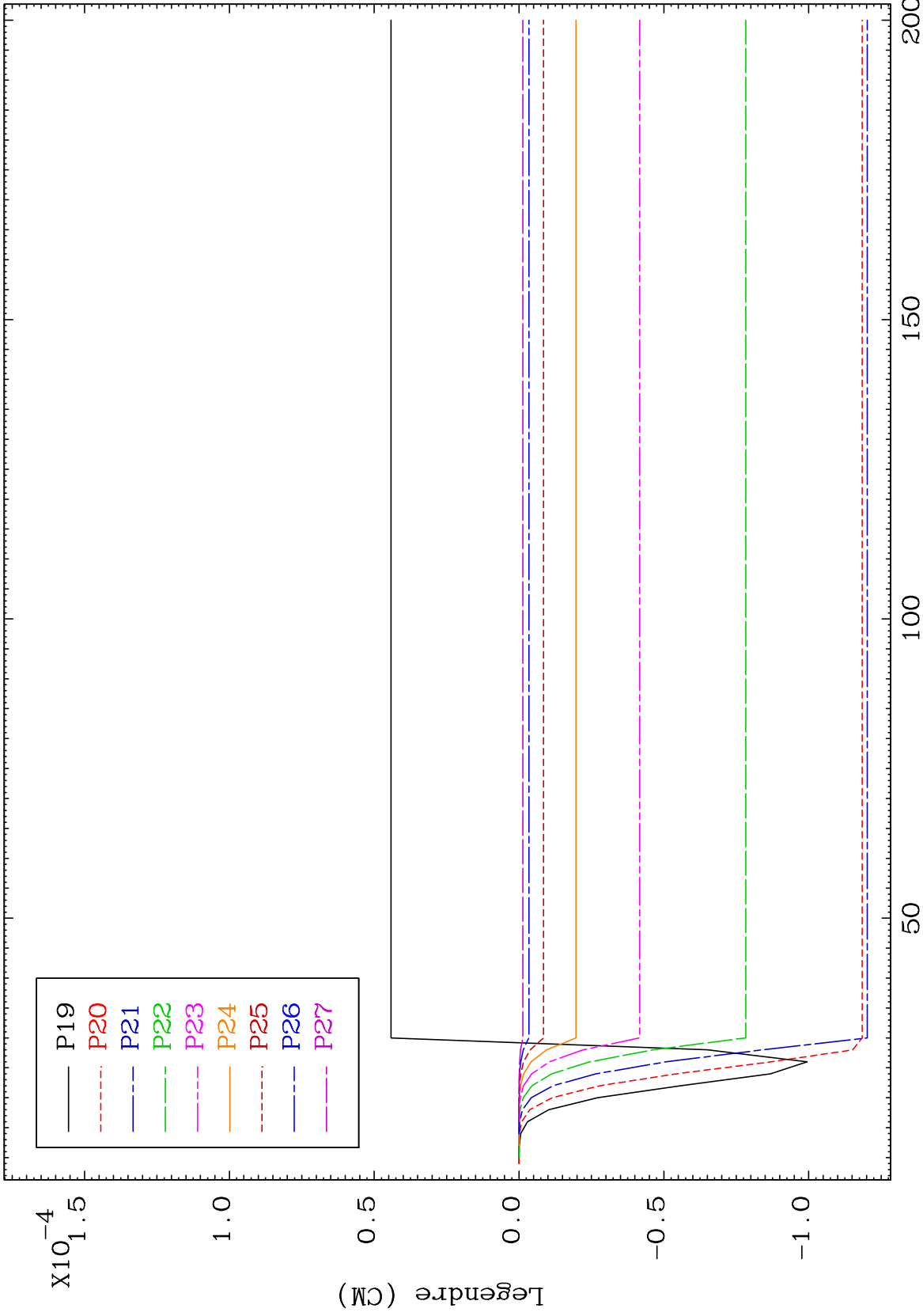
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

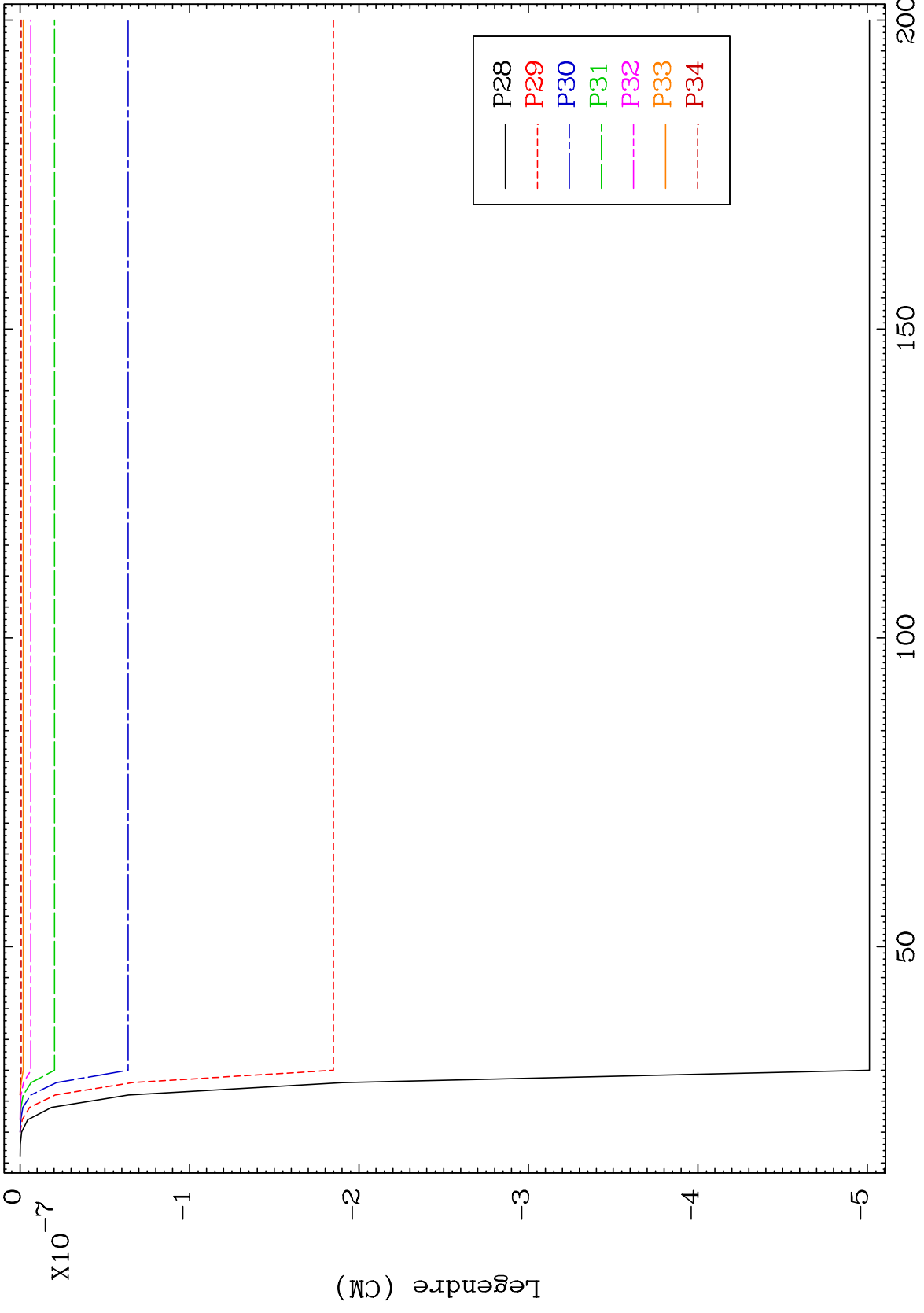


105

Incident Energy (MeV)

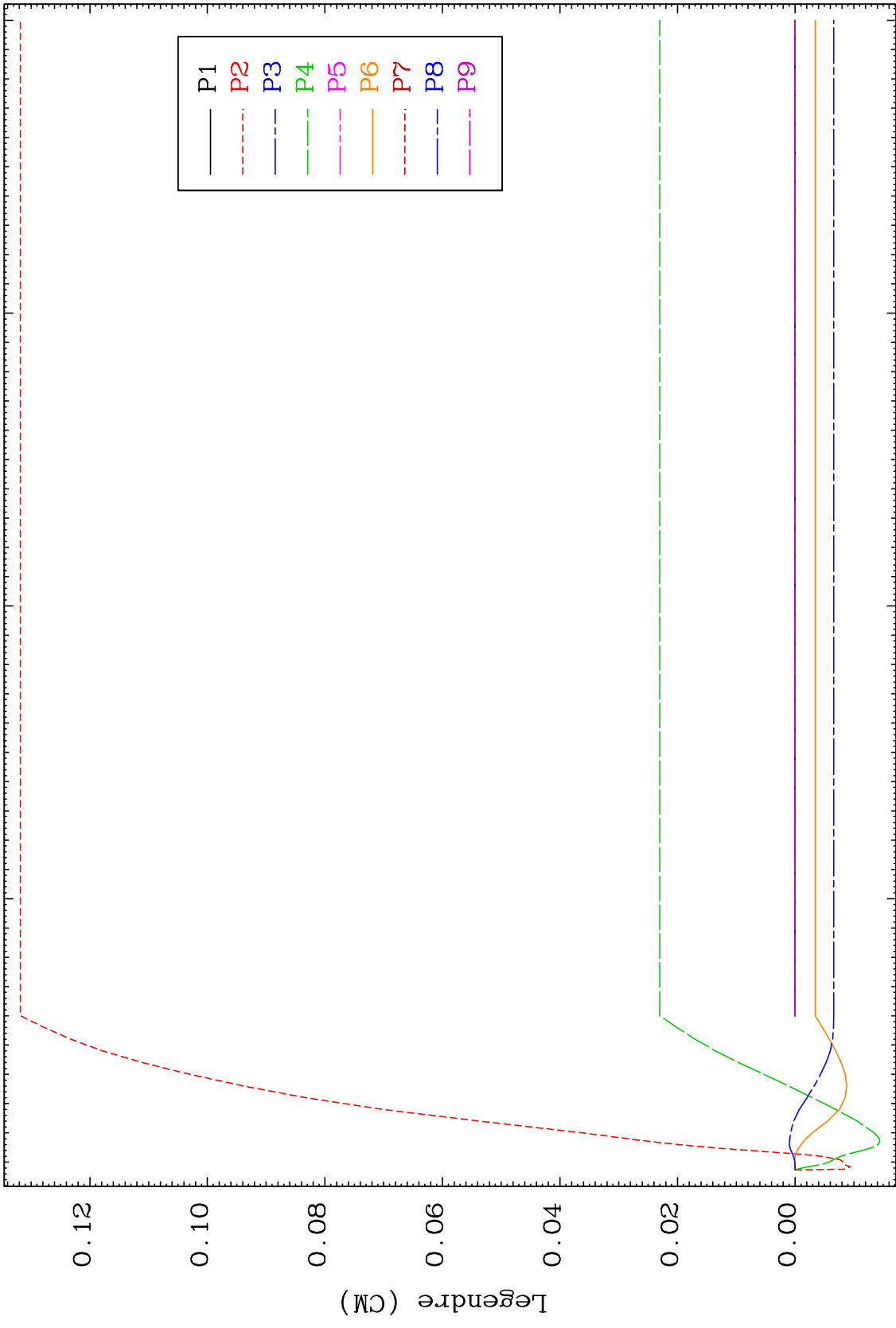
50-Sn-128

MAT 5073 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-128



106 50-Sn-128

MAT 5073 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-128

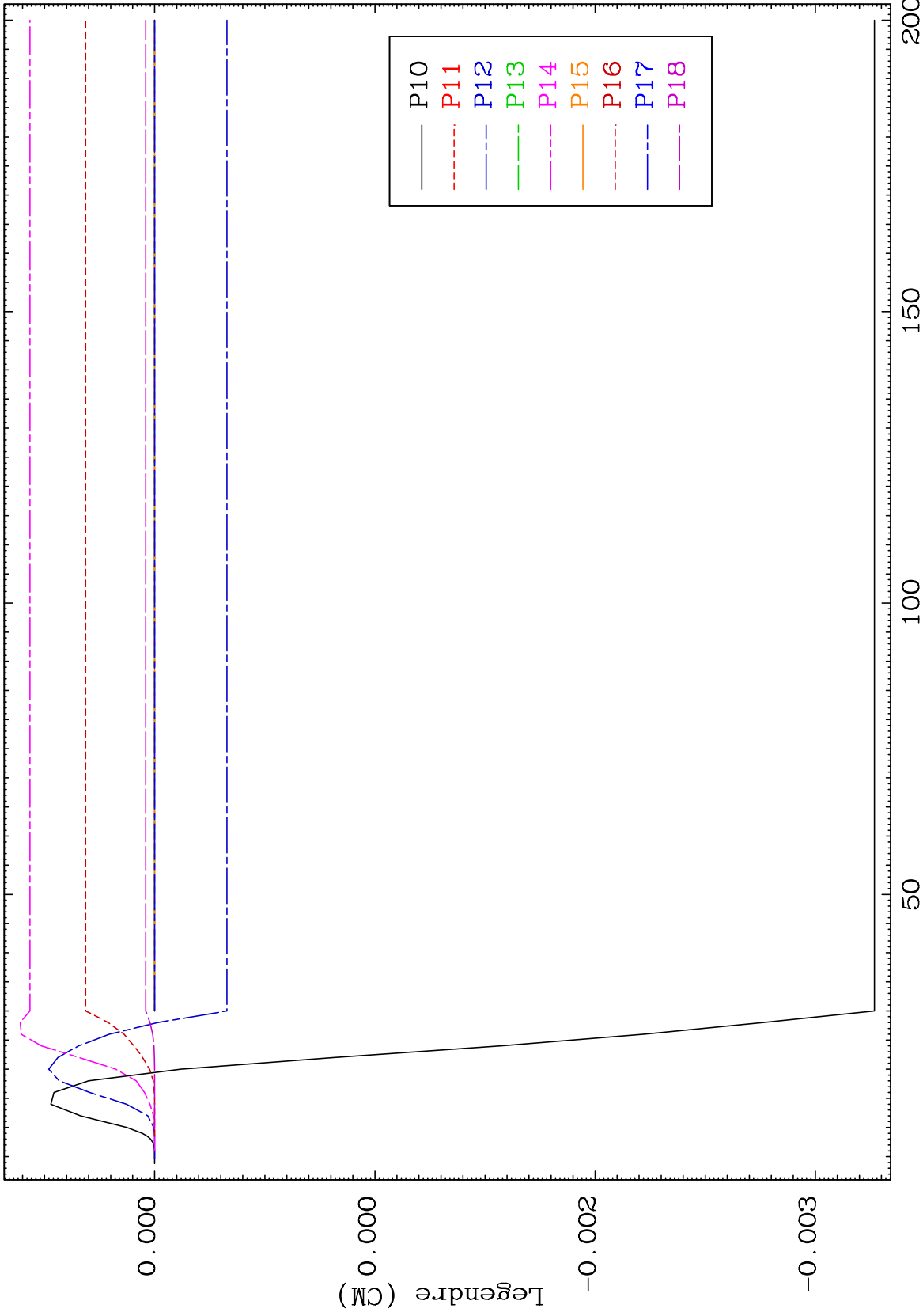


107 50-Sn-128

MAT 5073

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

50-Sn-128

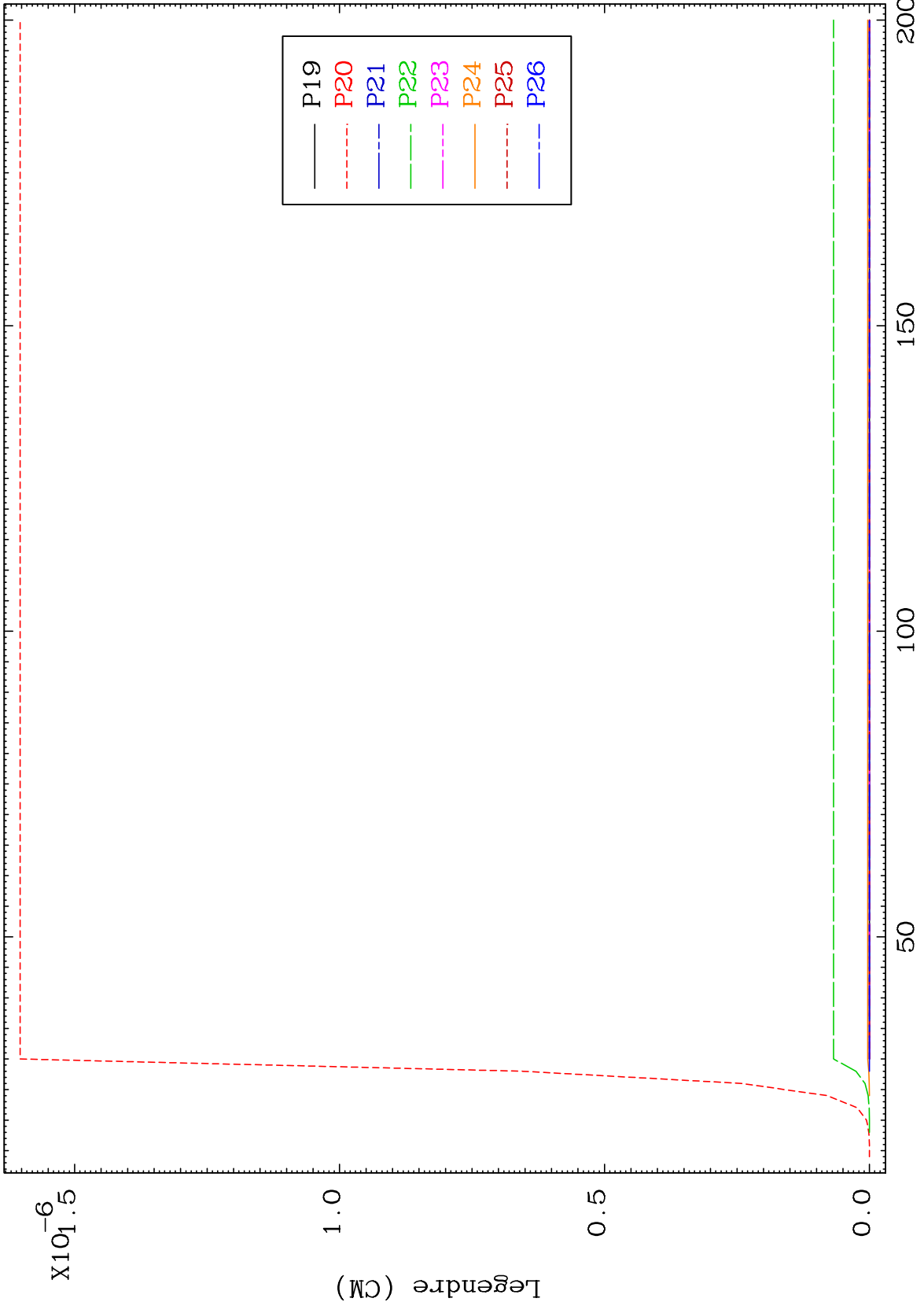


108

Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-128

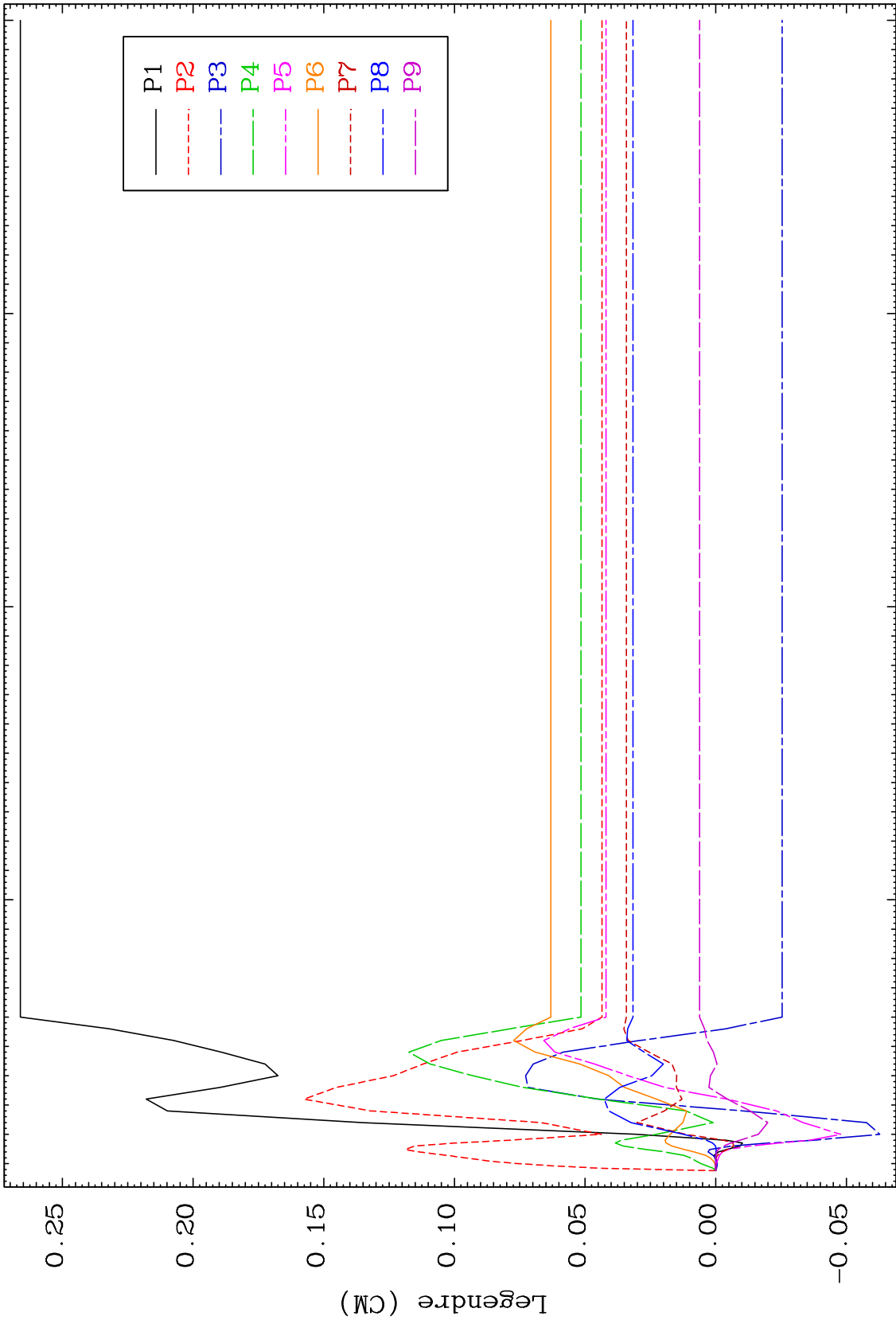


109 50-Sn-128

MAT 5073

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

50-Sn-128



110

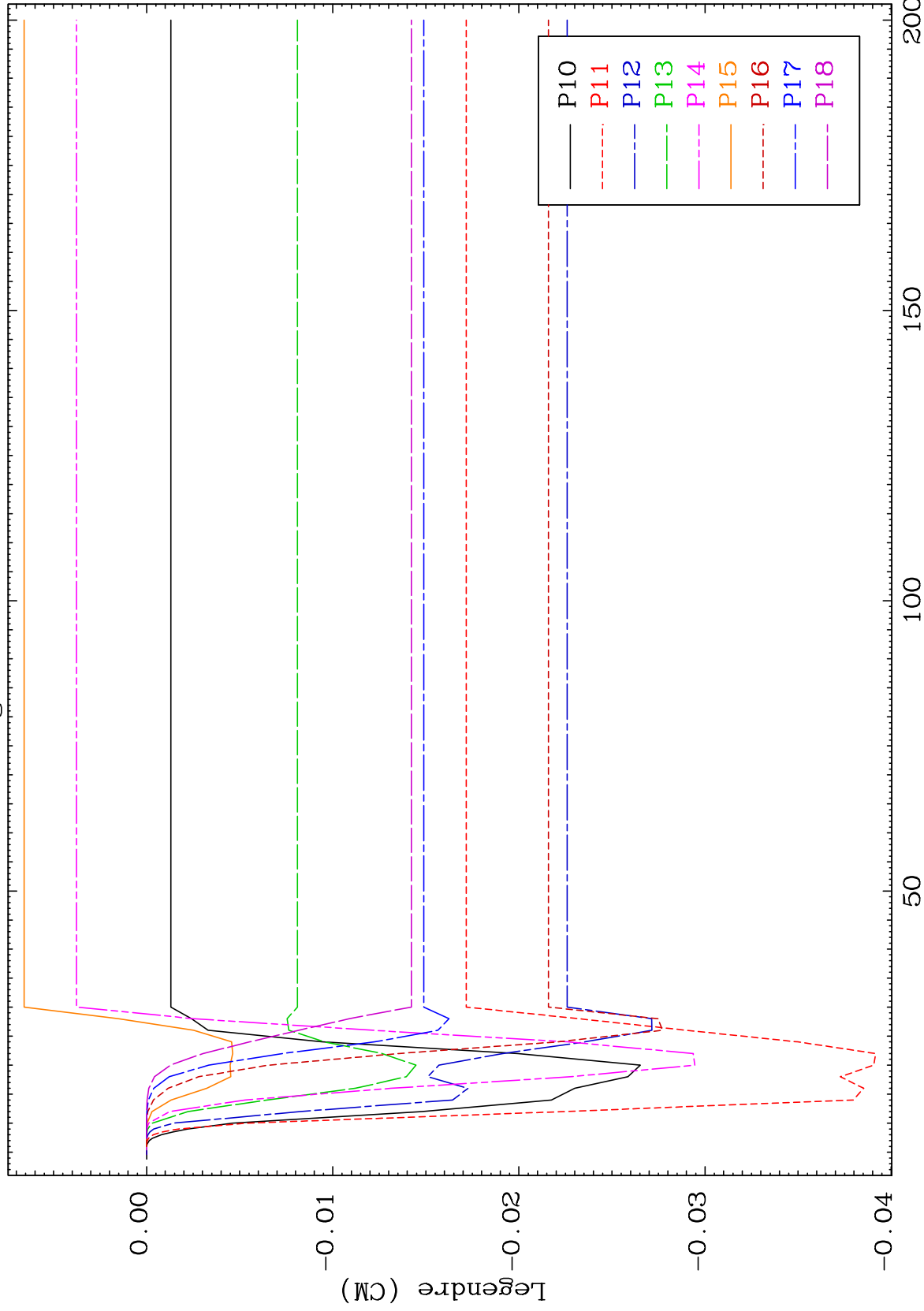
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

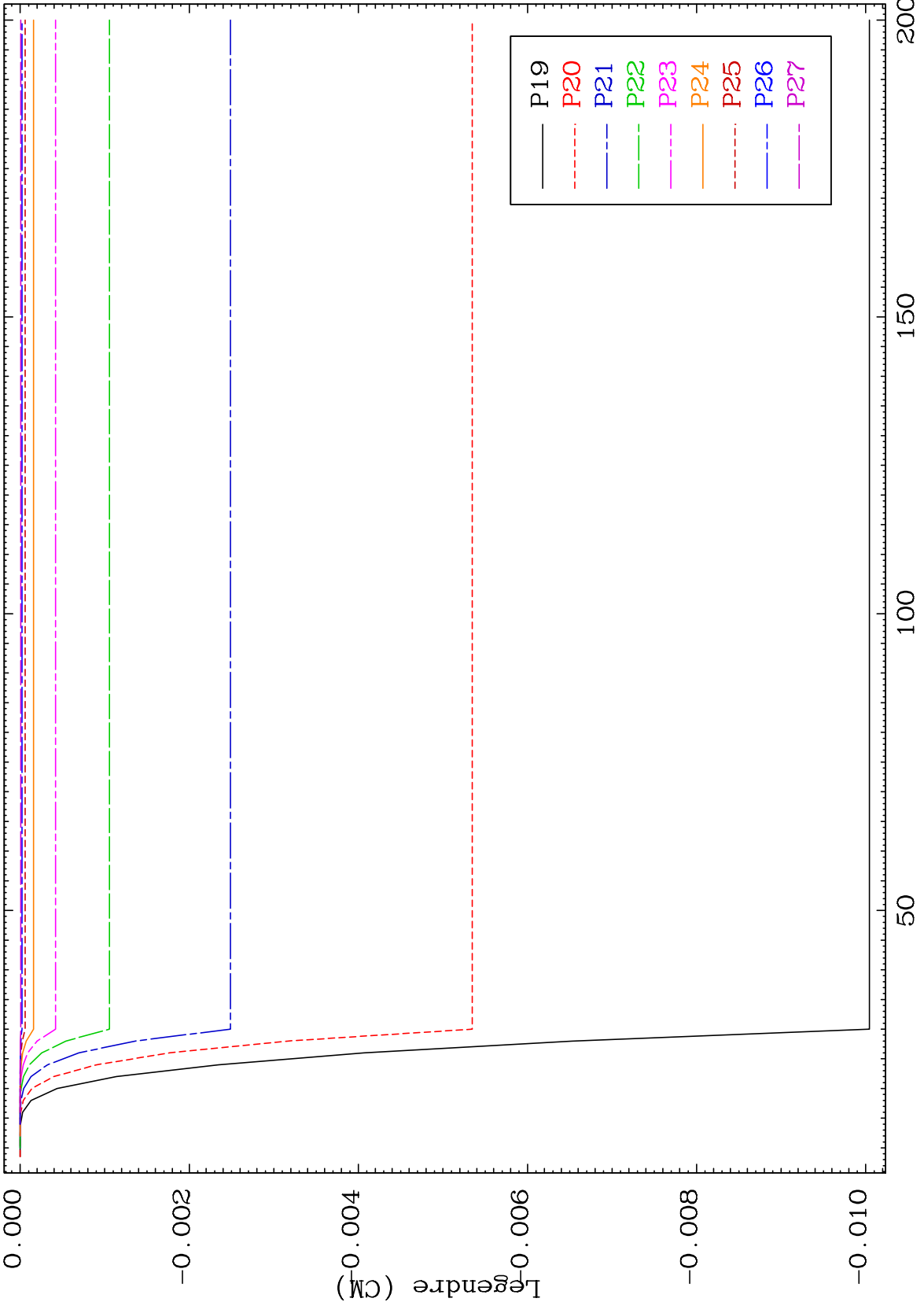


111

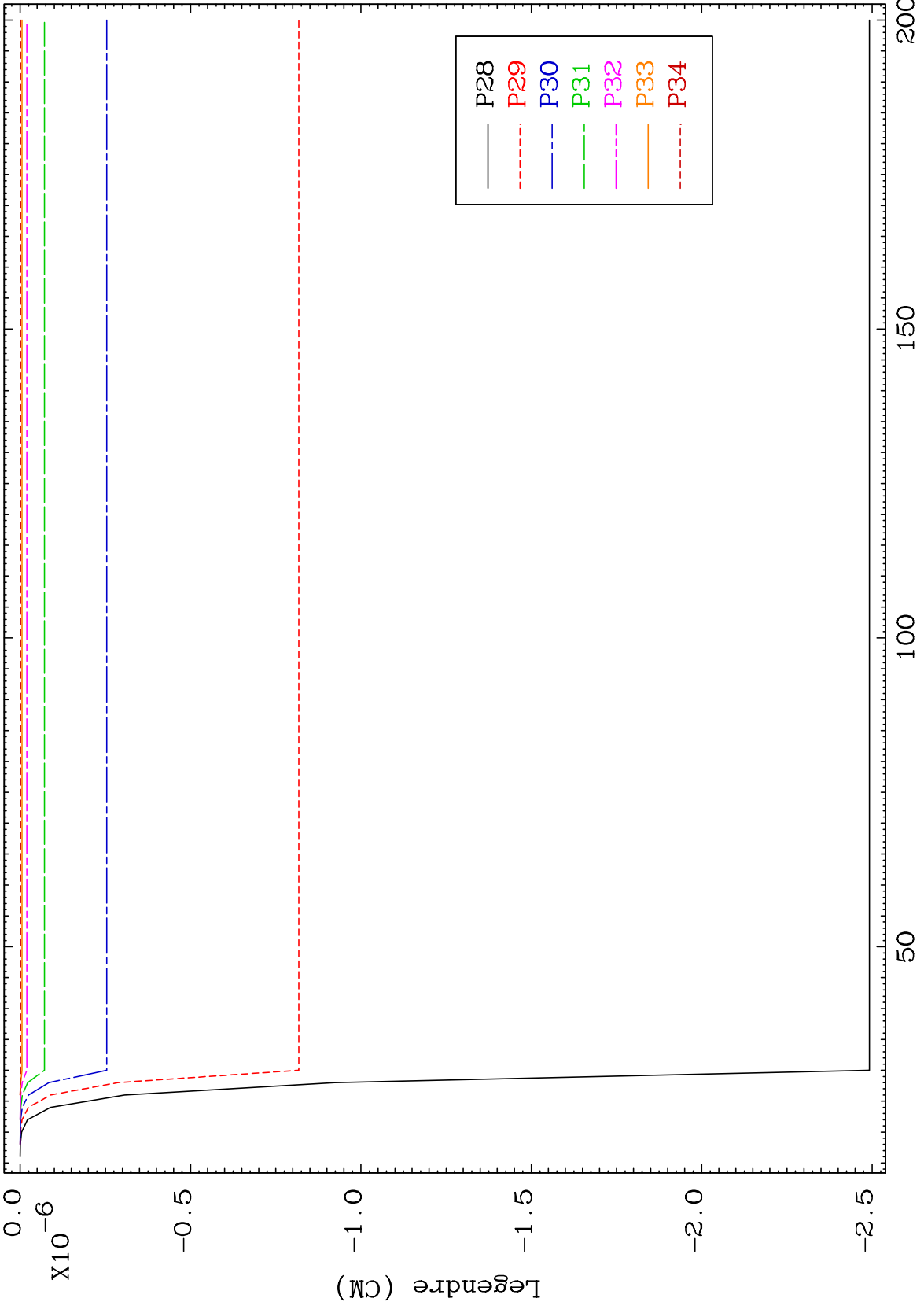
Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-128



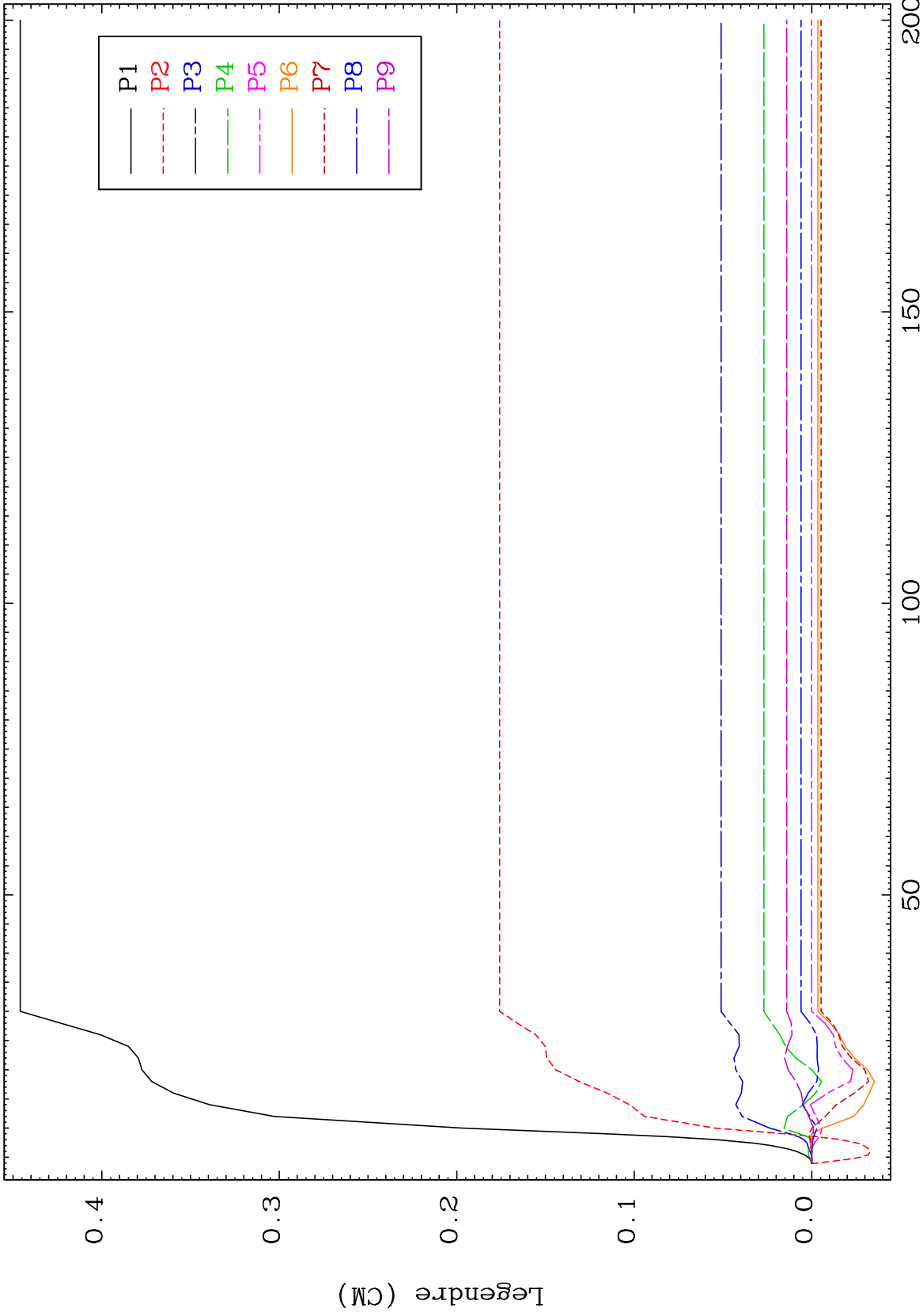
MAT 5073 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

50-Sn-128



114

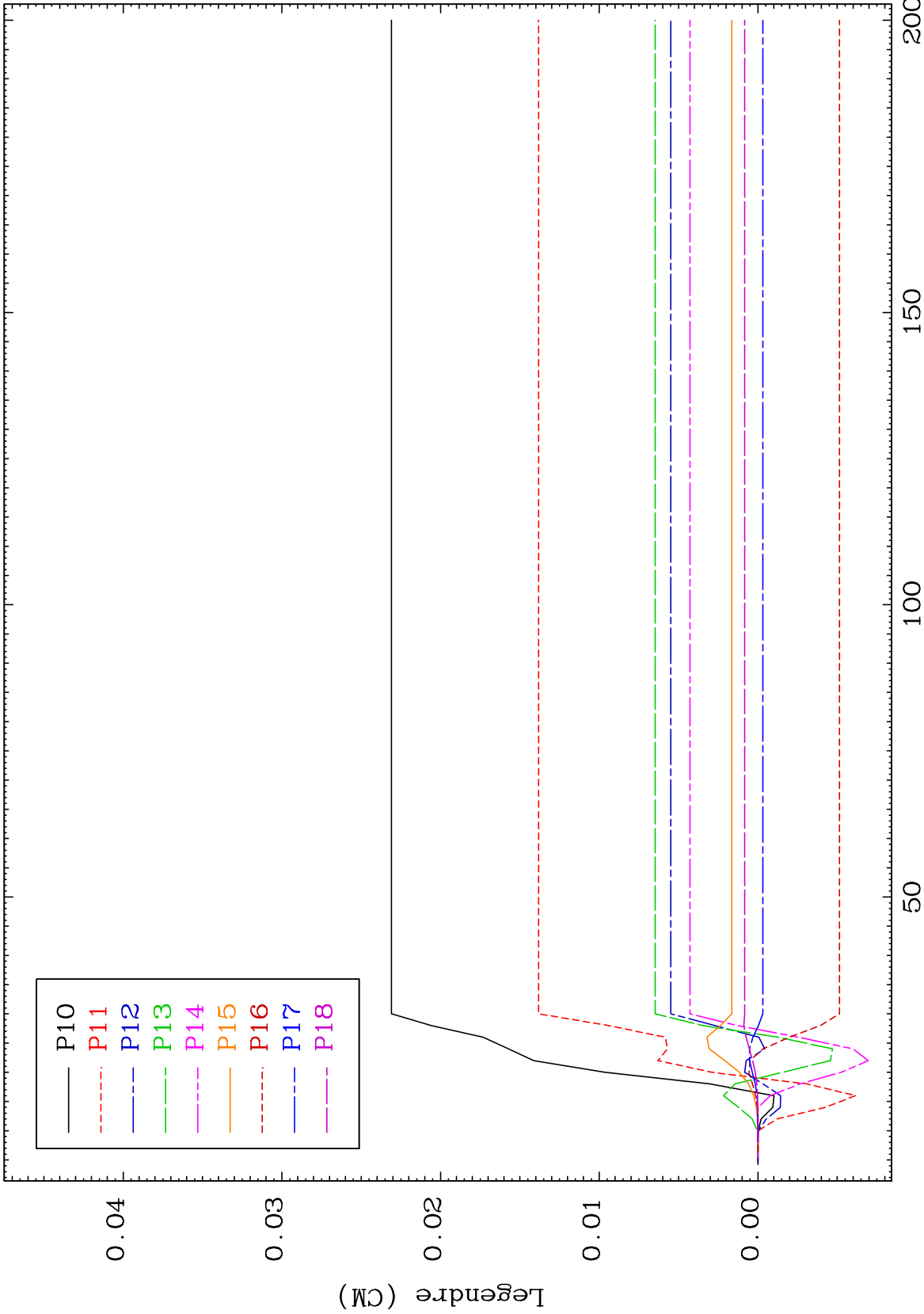
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



115

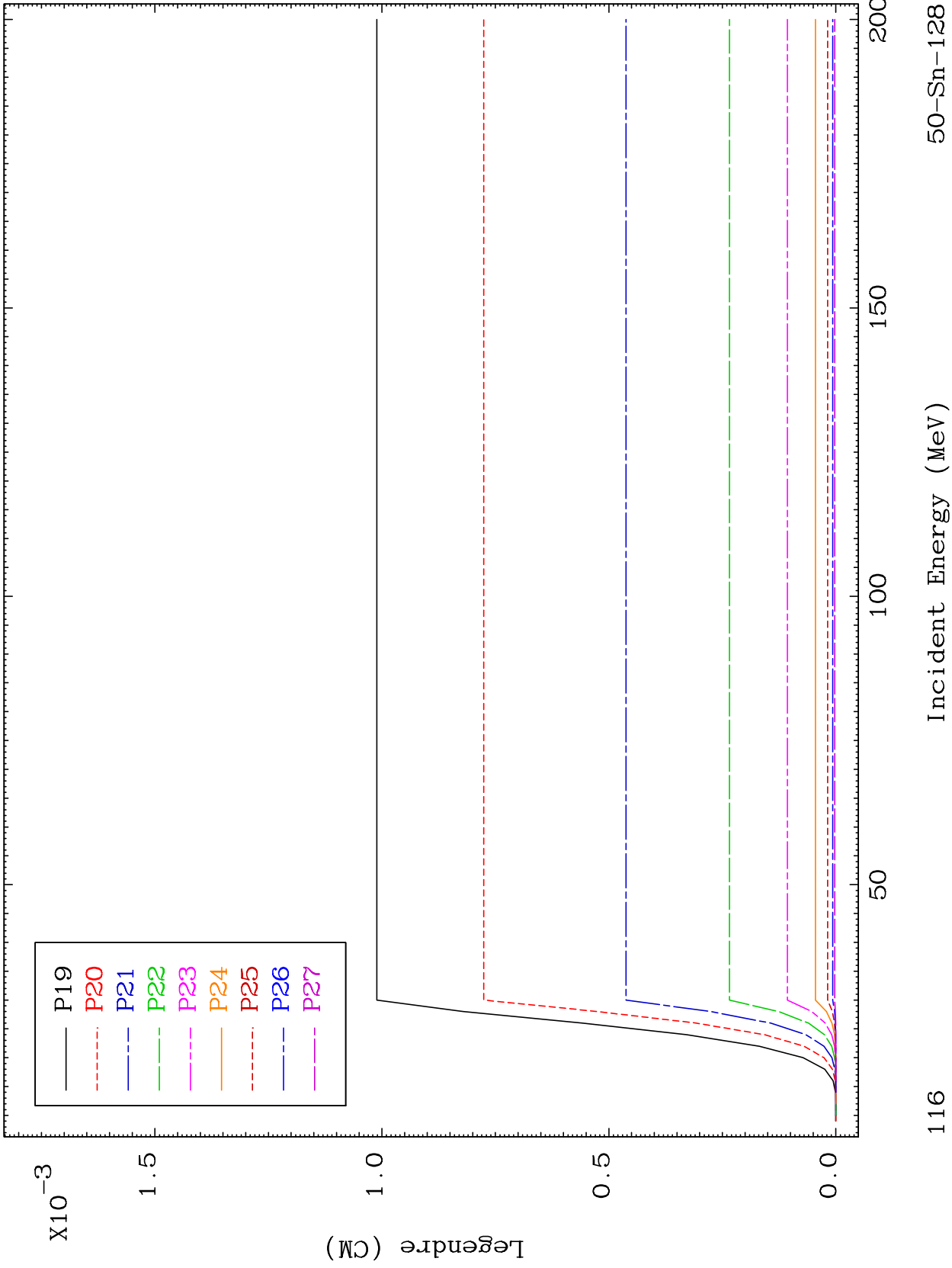
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

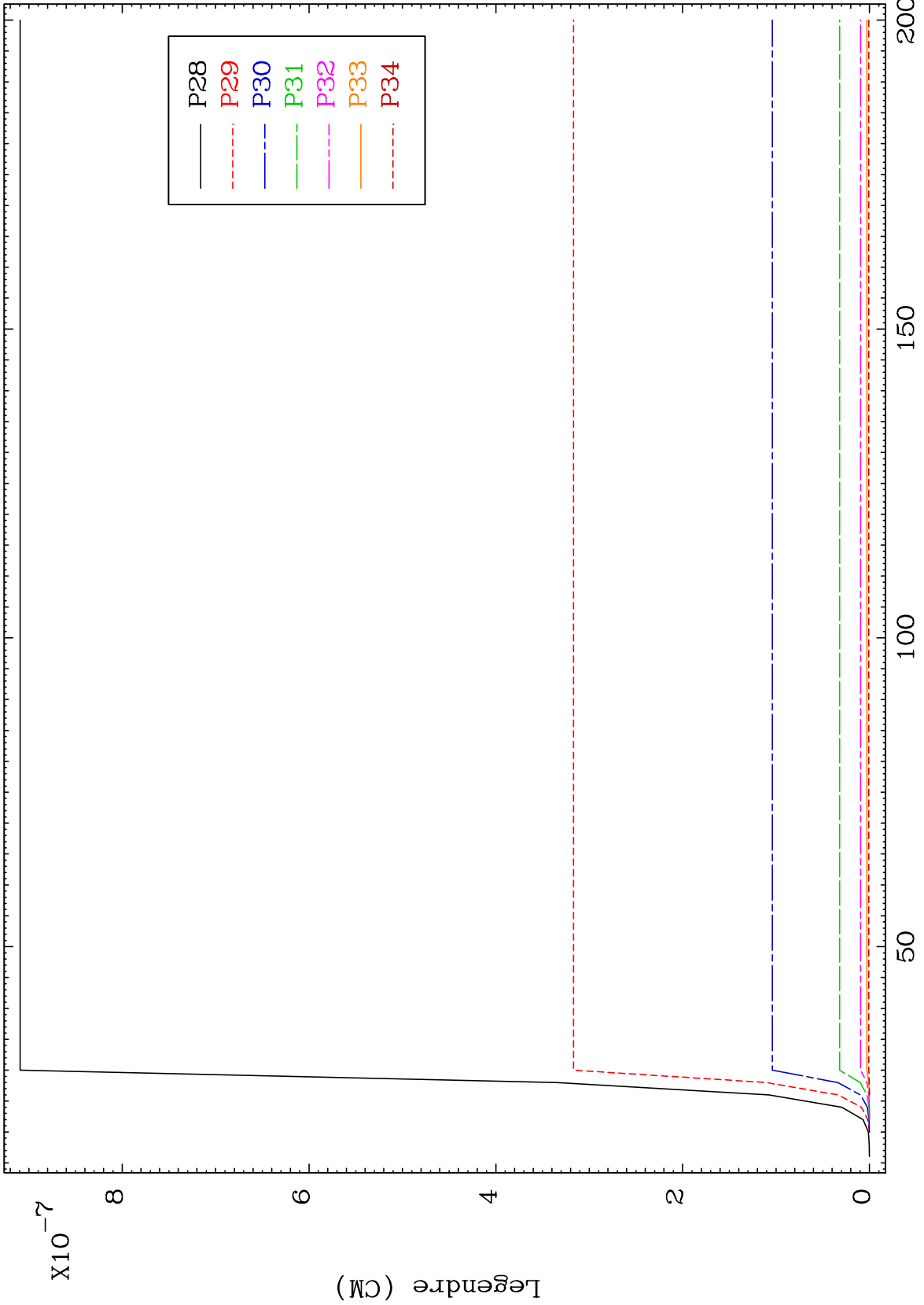
50-Sn-128



MAT 5073

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

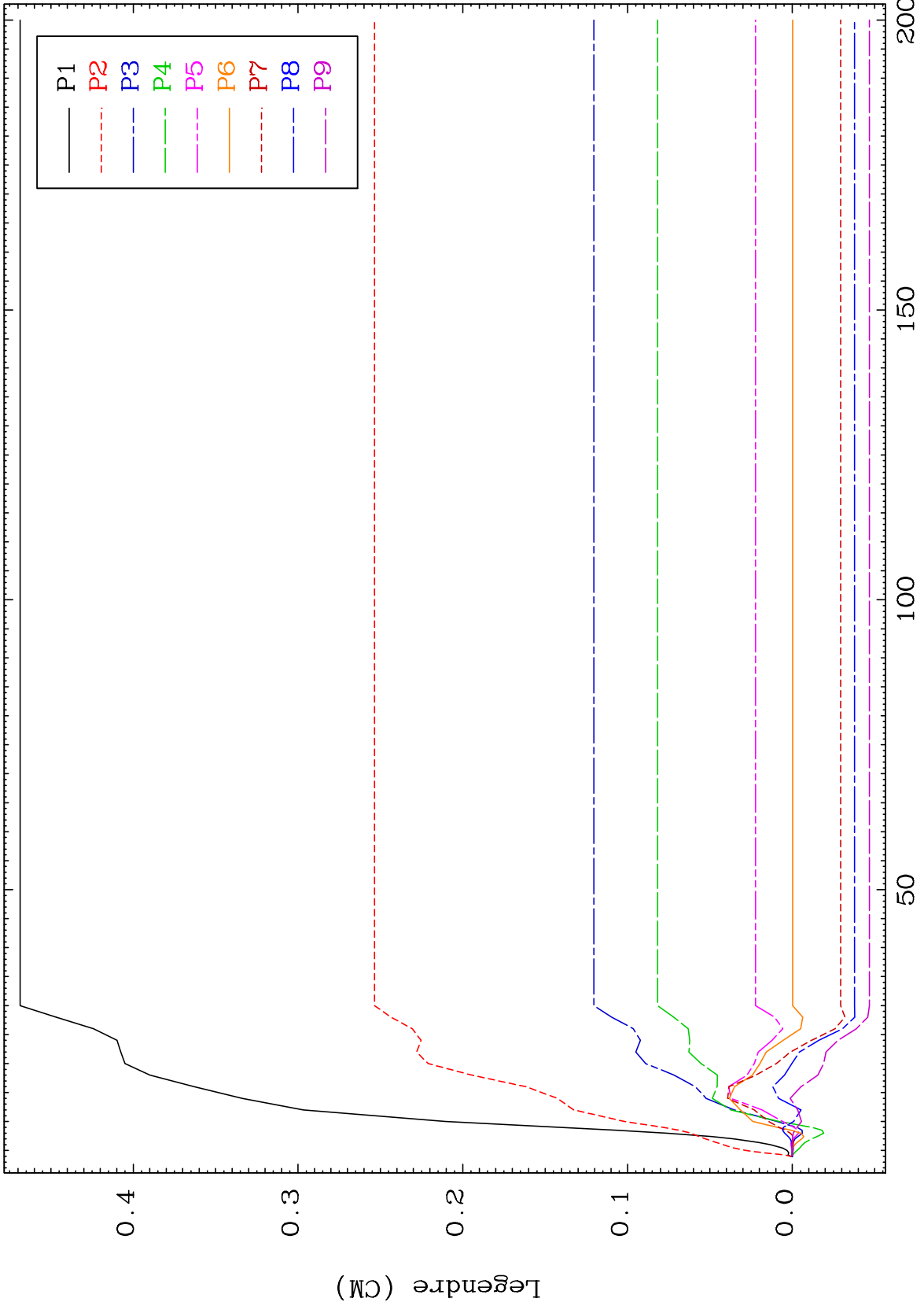
50-Sn-128



117

50-Sn-128

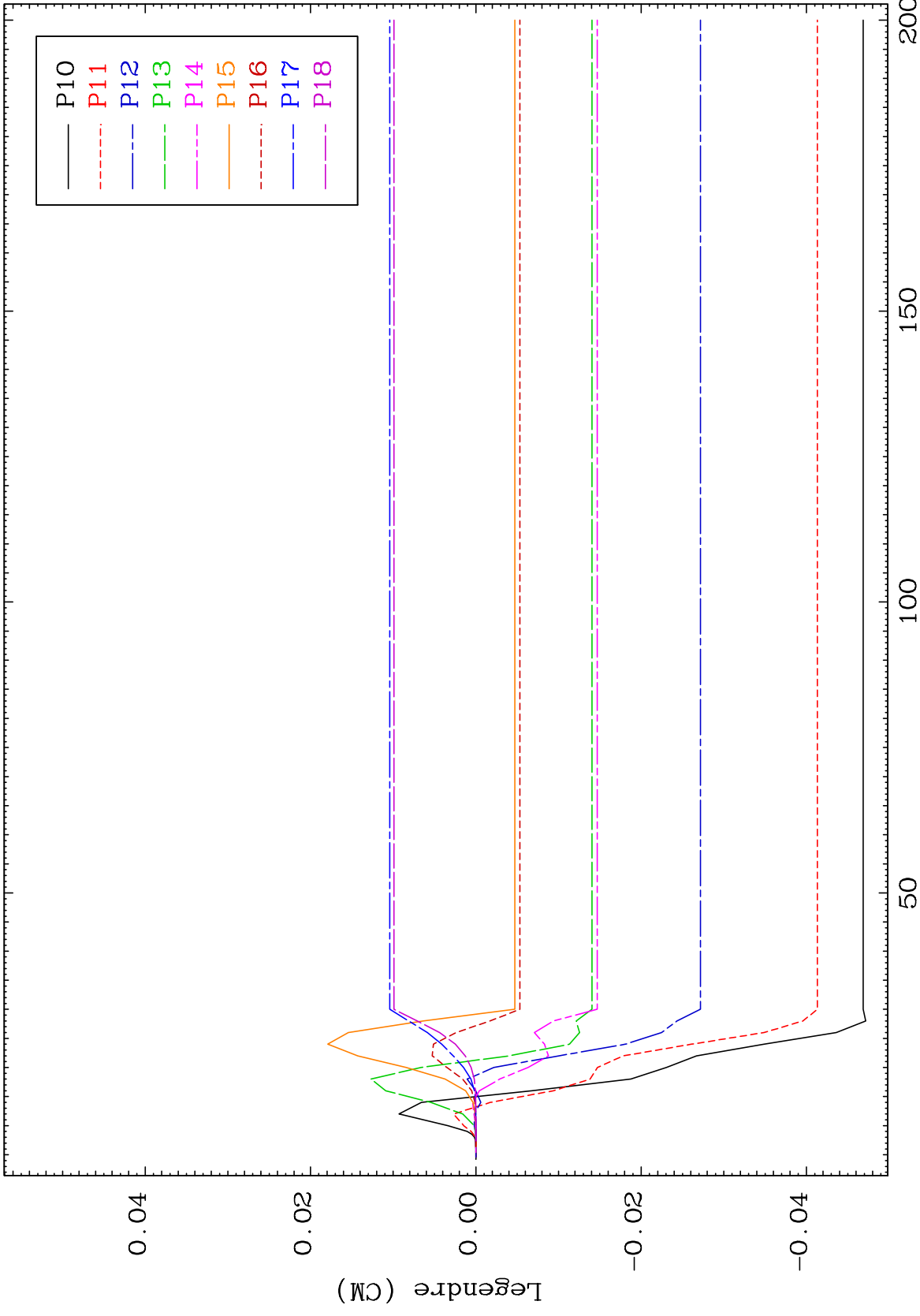
MAT 5073 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

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

50-Sn-128



119

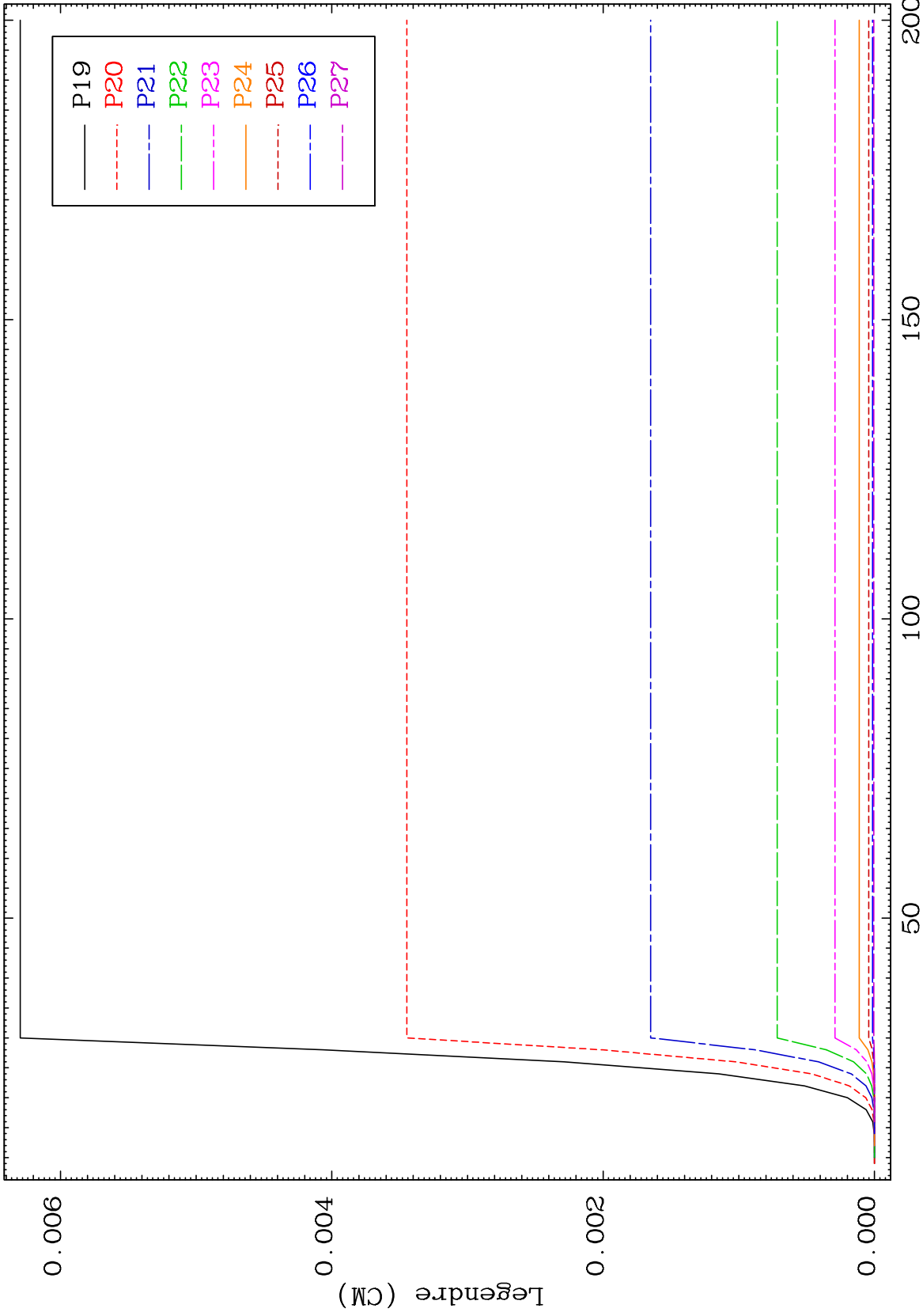
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



120

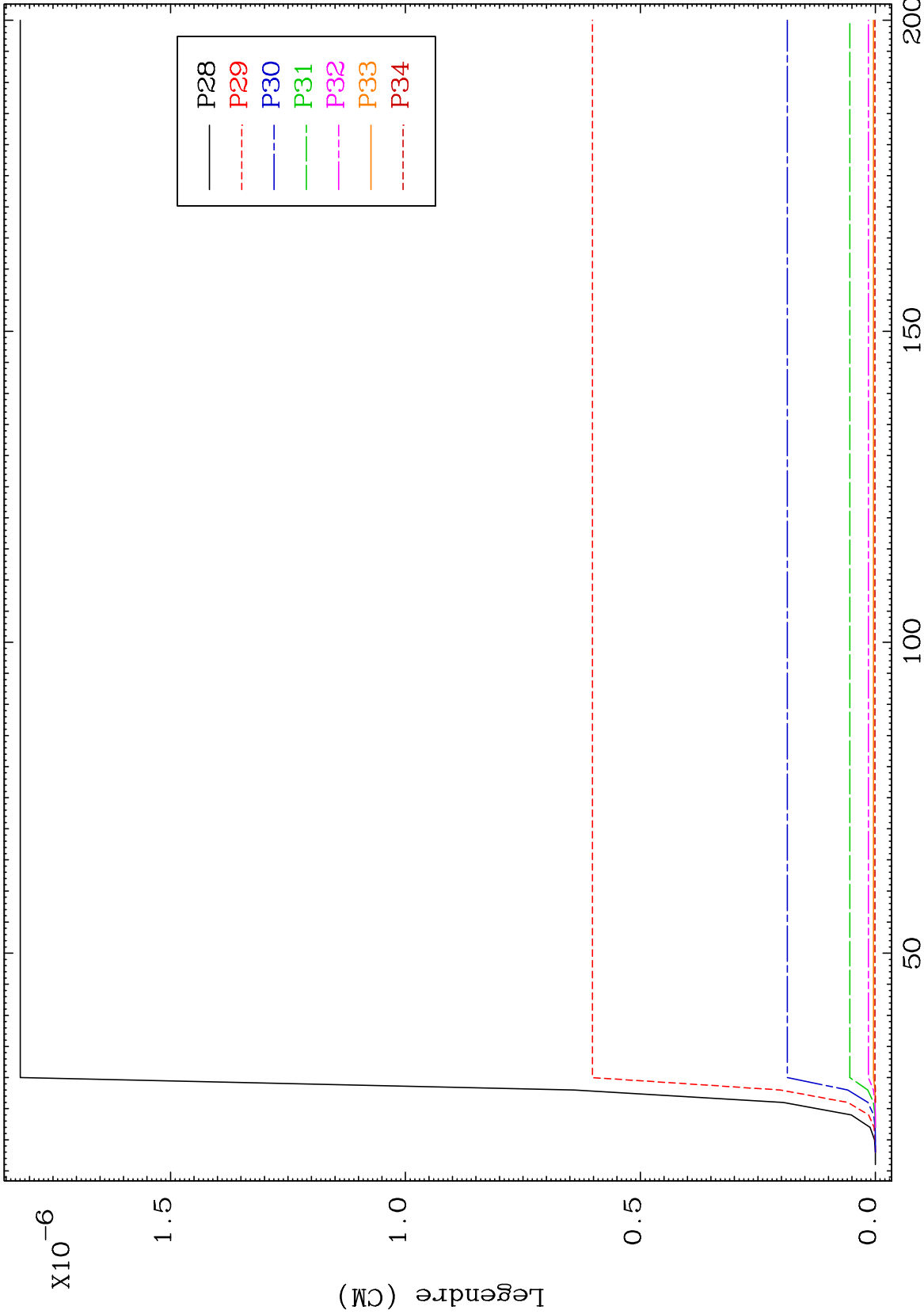
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

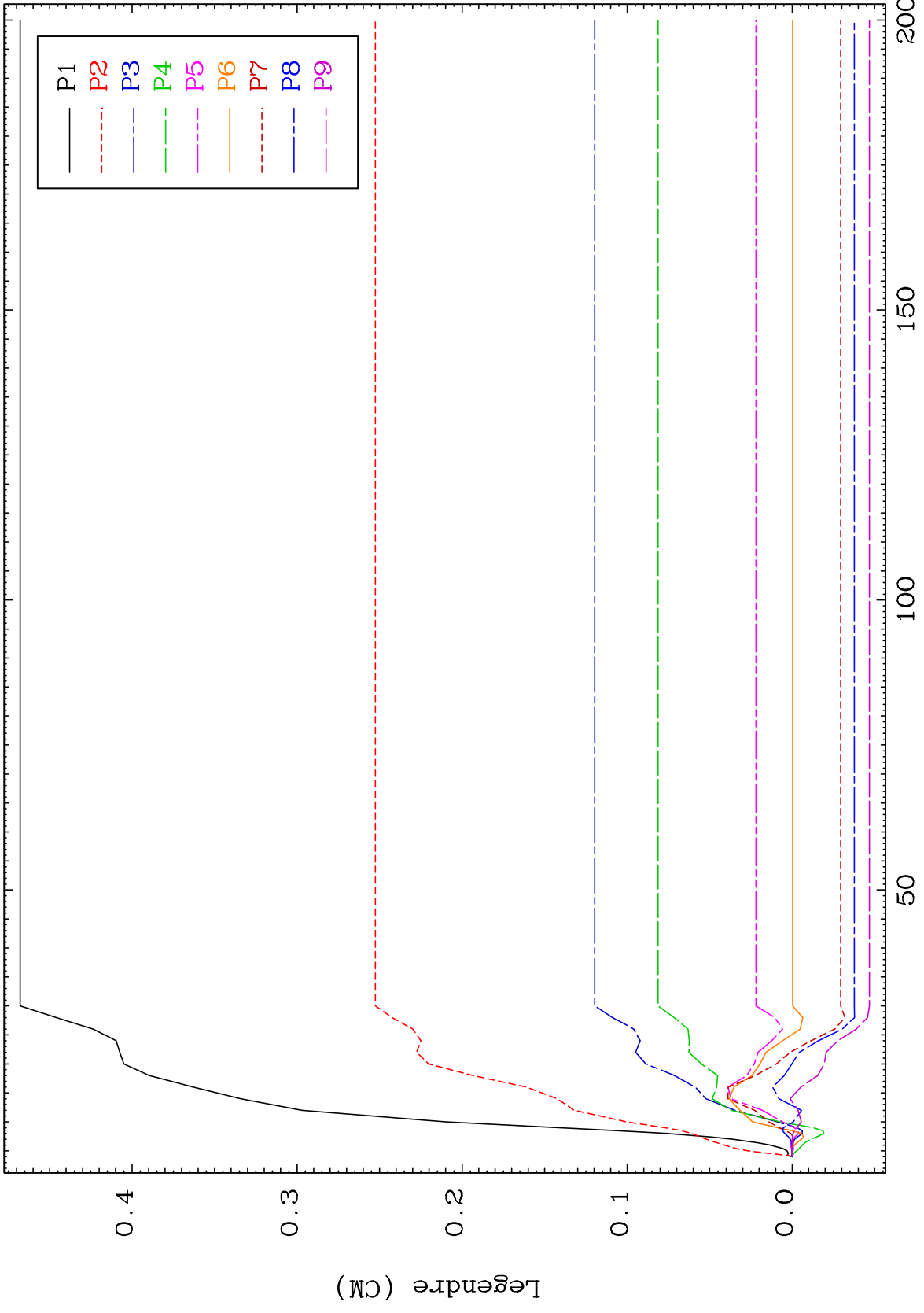
50-Sn-128



121

50-Sn-128

MAT 5073 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-128

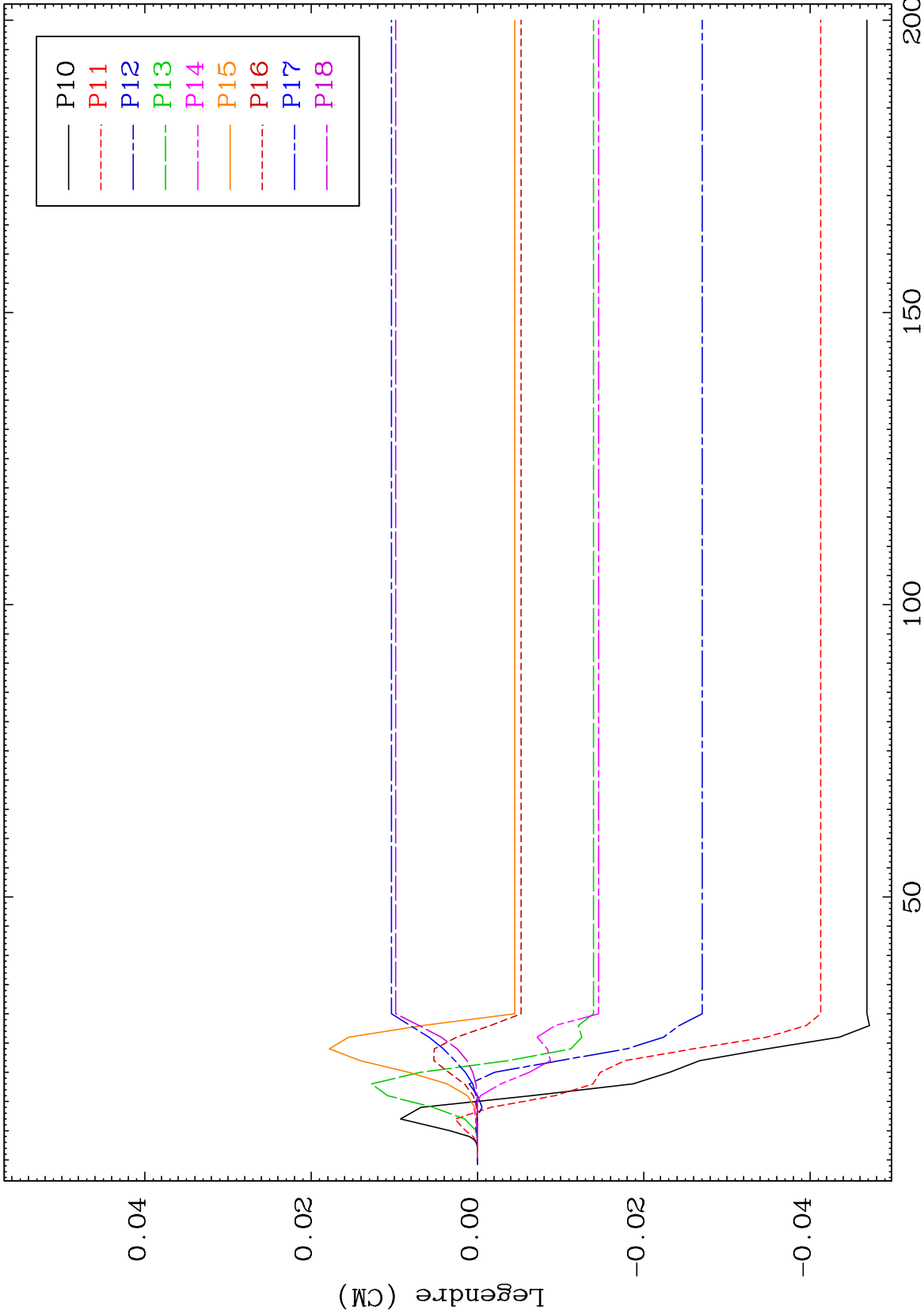


122 50-Sn-128

MAT 5073

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

50-Sn-128



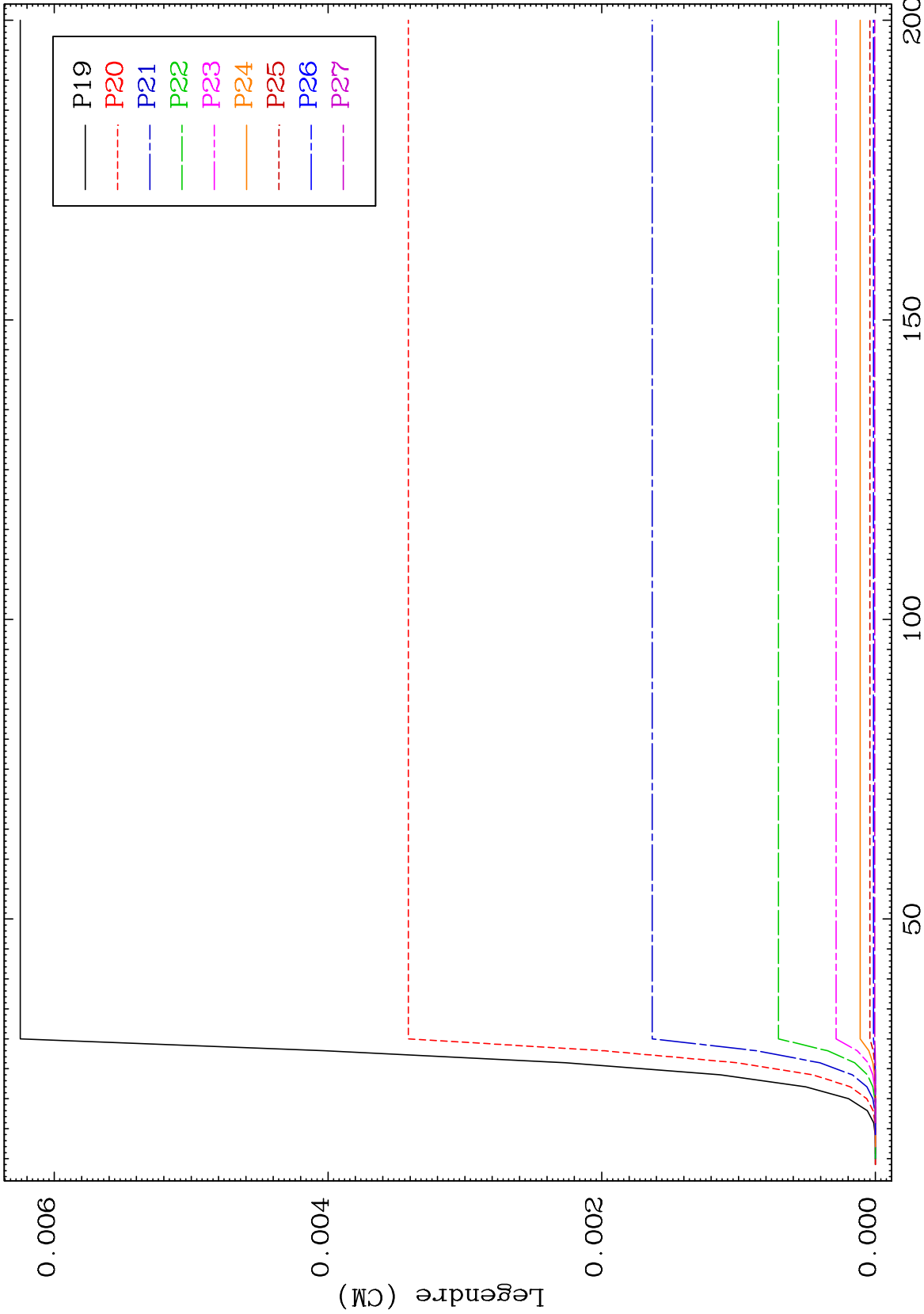
123

50-Sn-128

MAT 5073

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

50-Sn-128



124

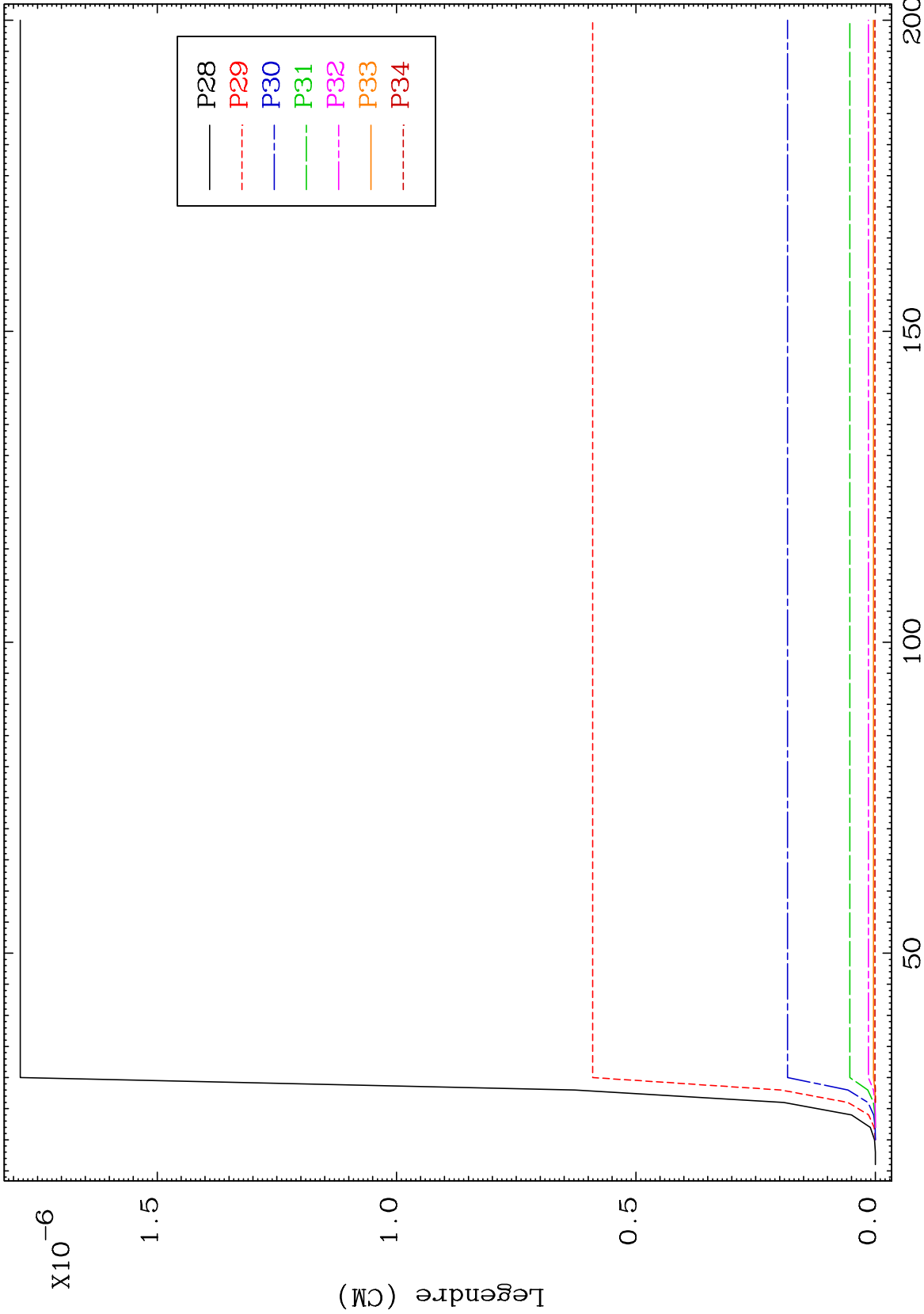
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



125

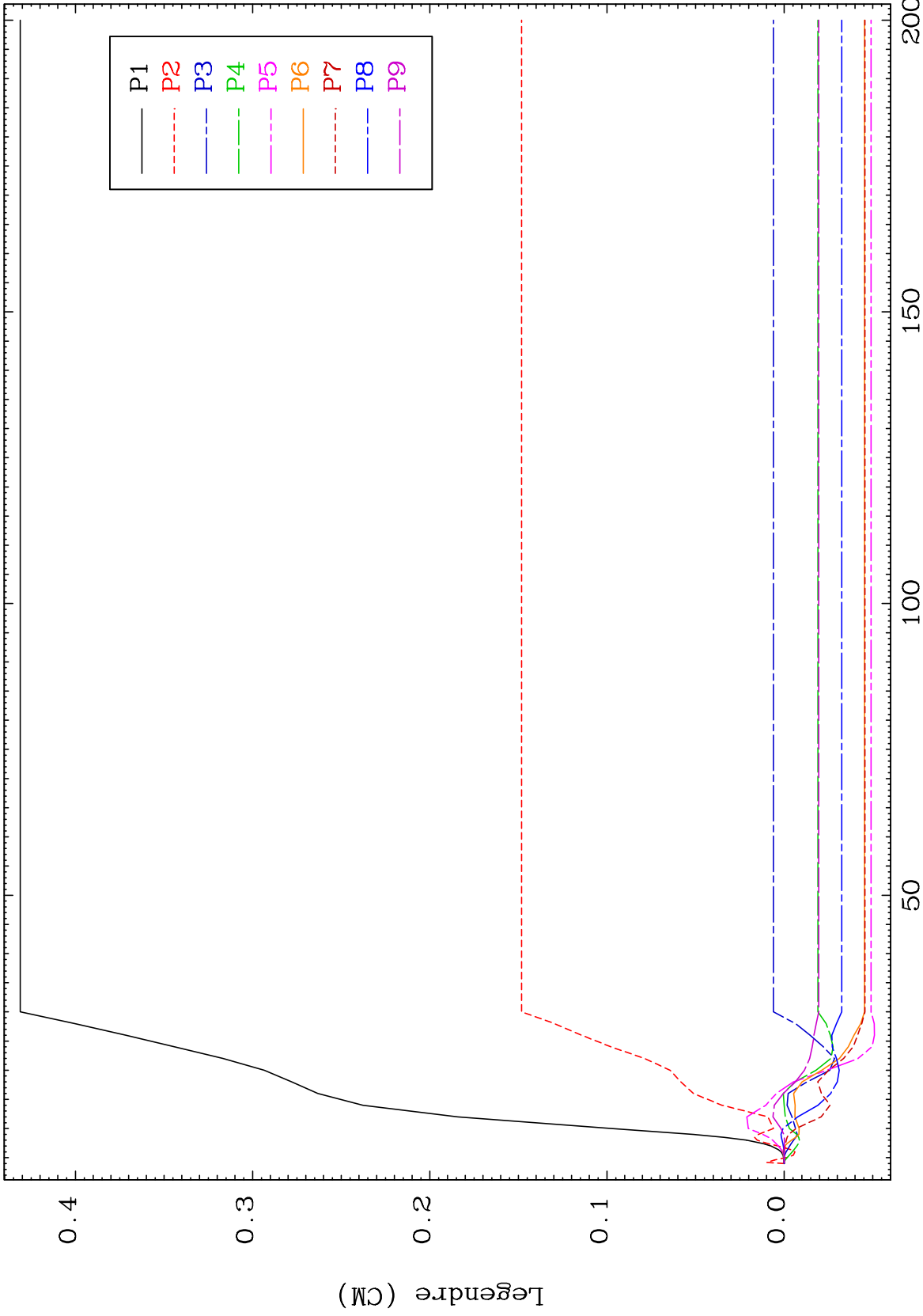
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128

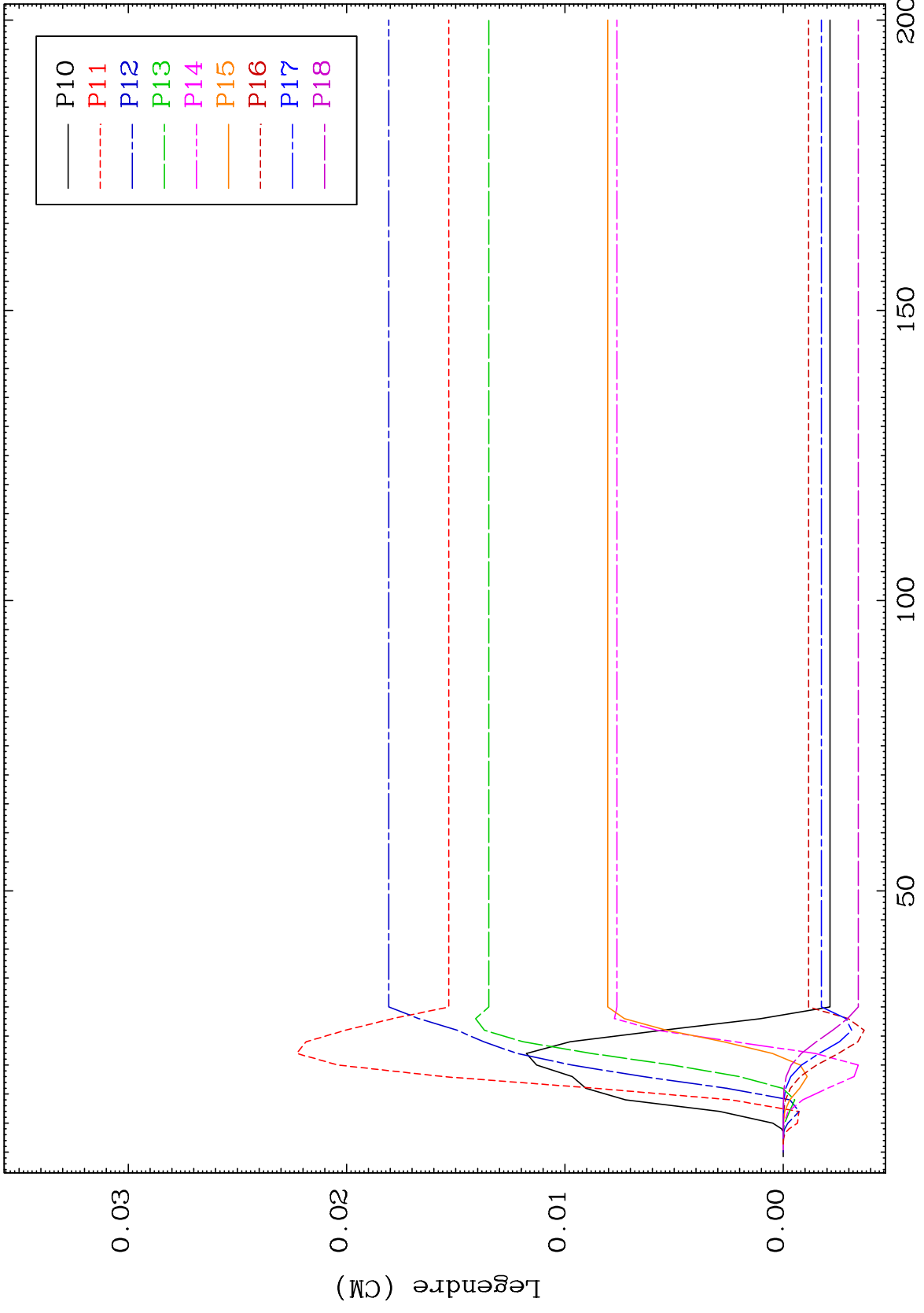


126

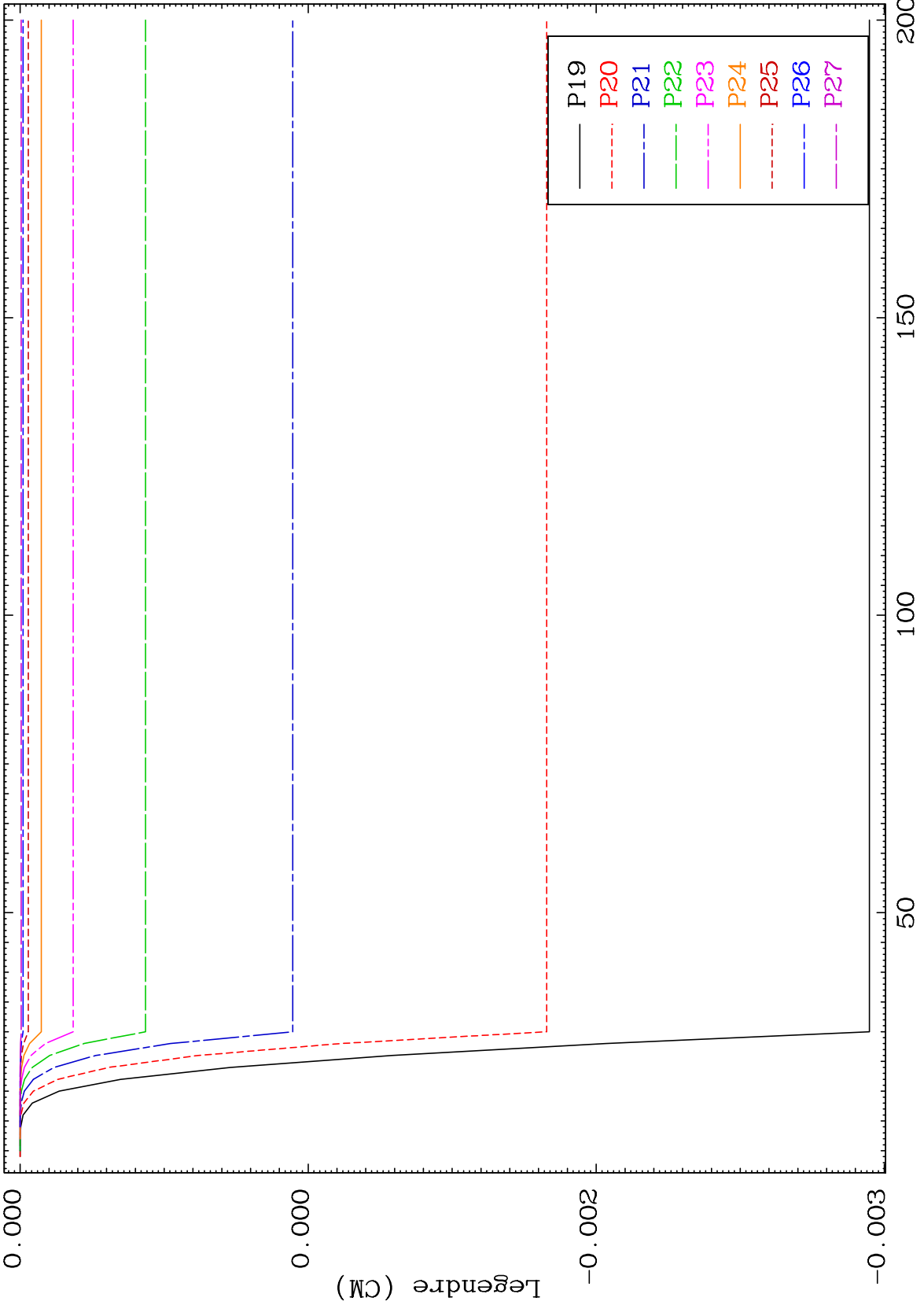
Incident Energy (MeV)

50-Sn-128

MAT 5073 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-128

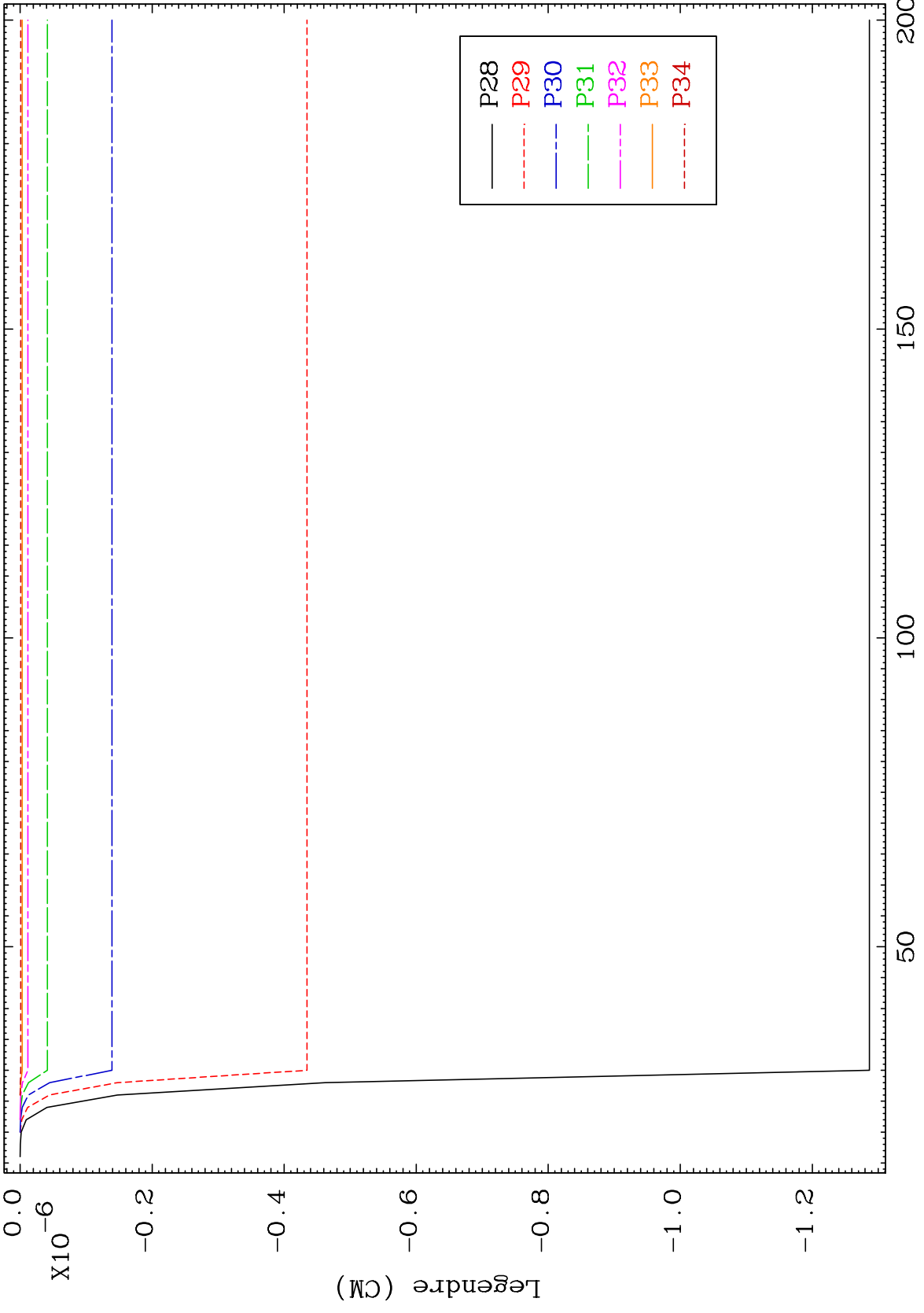


MAT 5073 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-128



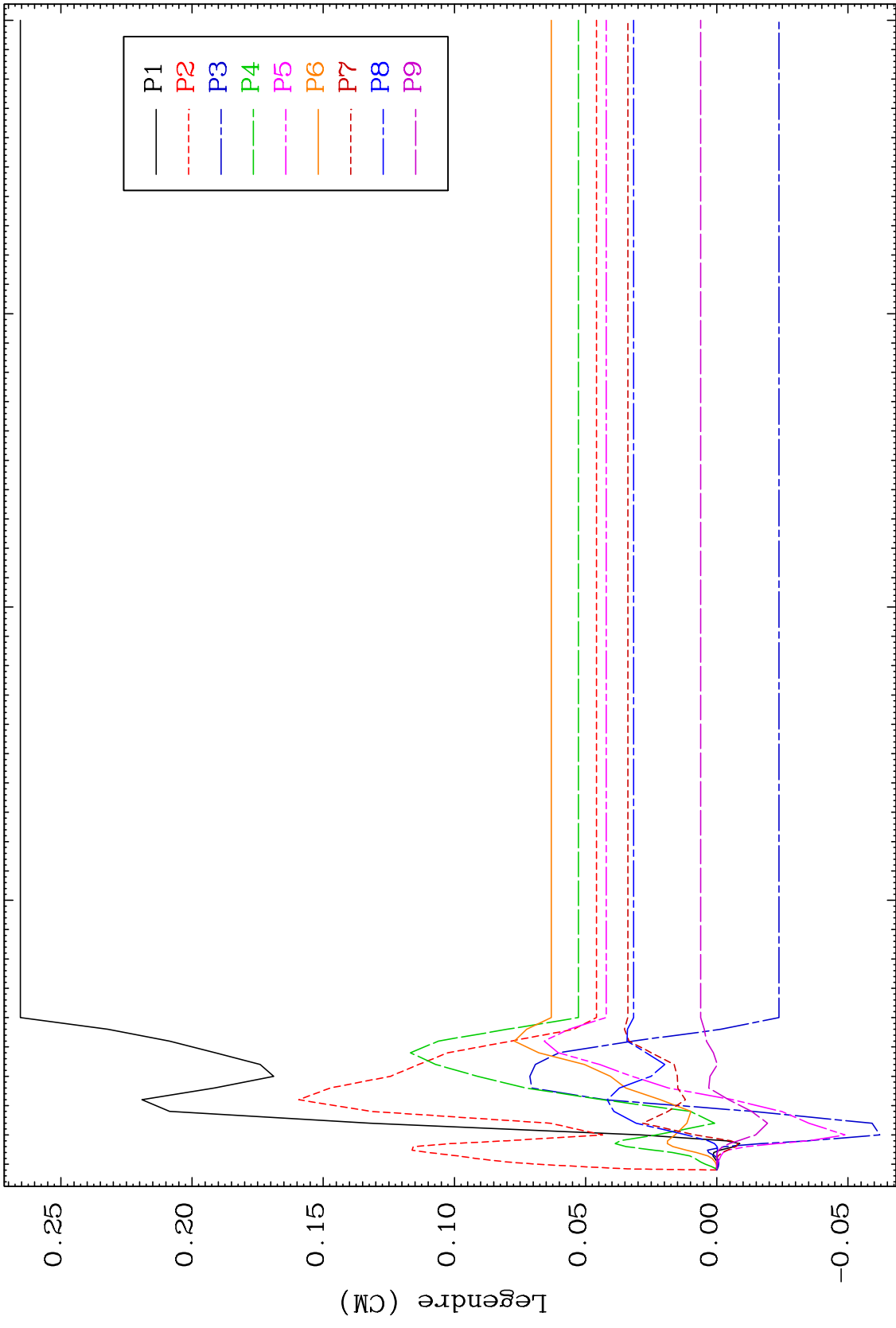
128 Incident Energy (MeV) 50-Sn-128

MAT 5073 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-128



129 50-Sn-128

MAT 5073 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-128

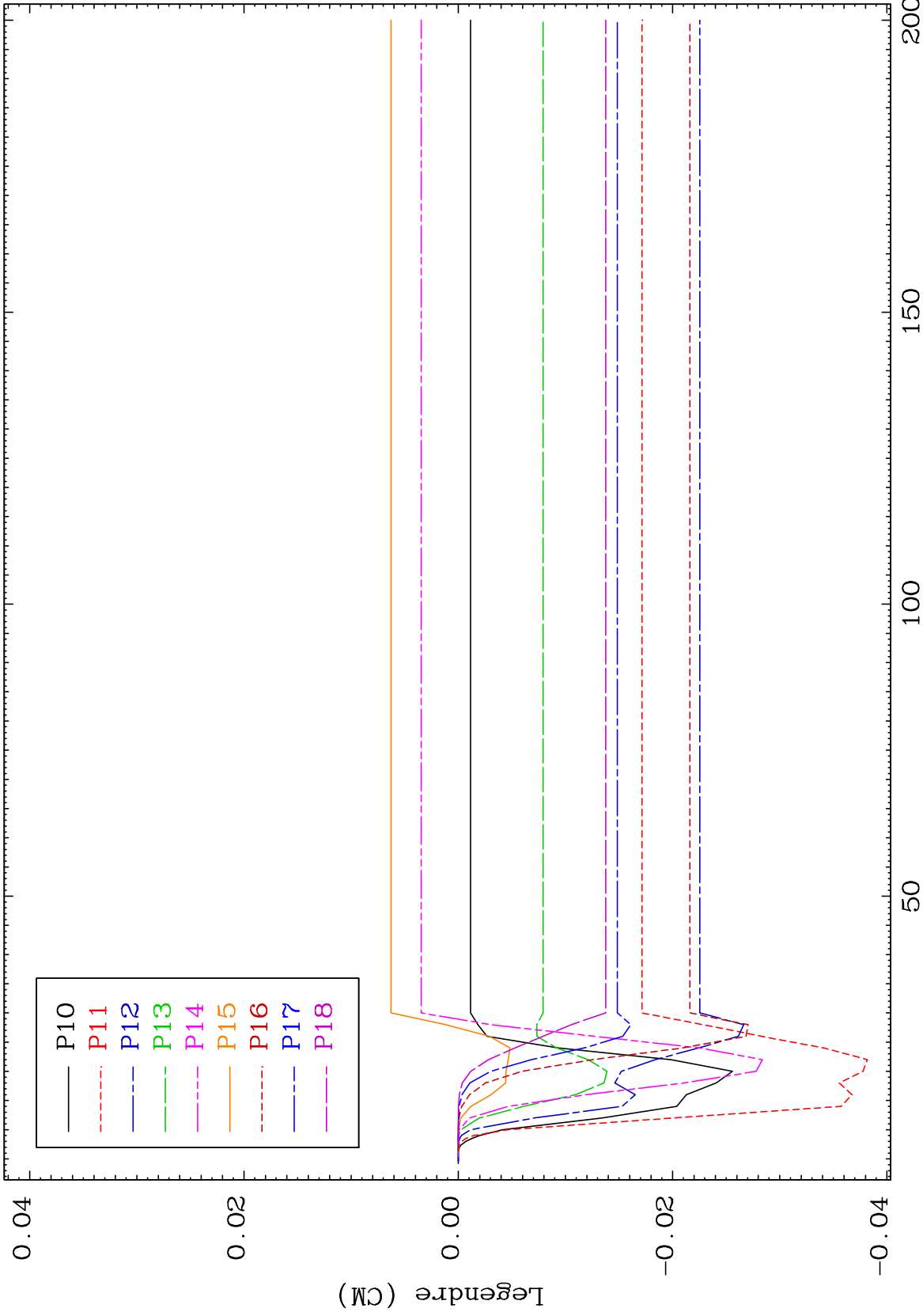


130 Incident Energy (MeV) 50-Sn-128

MAT 5073

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

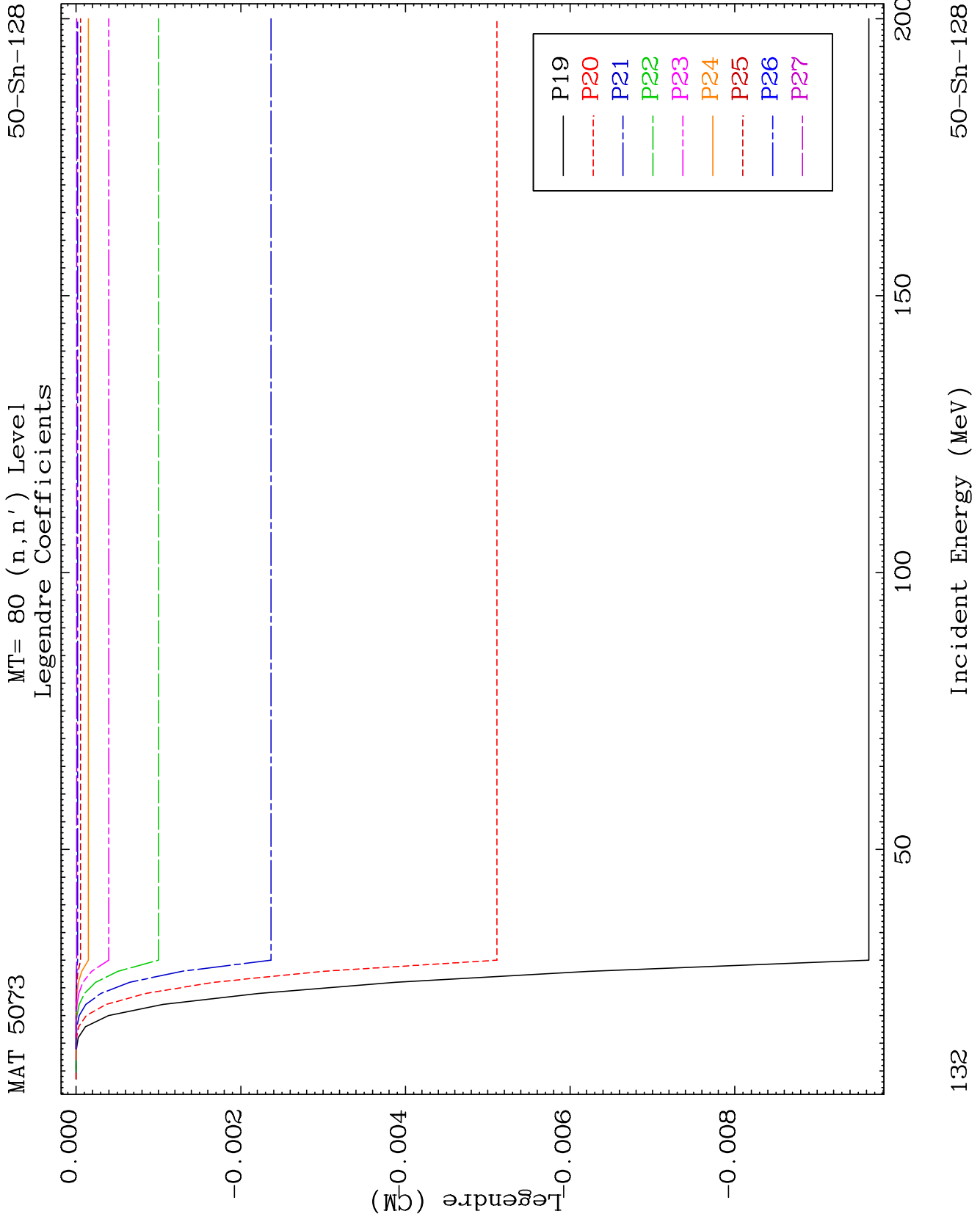
50-Sn-128



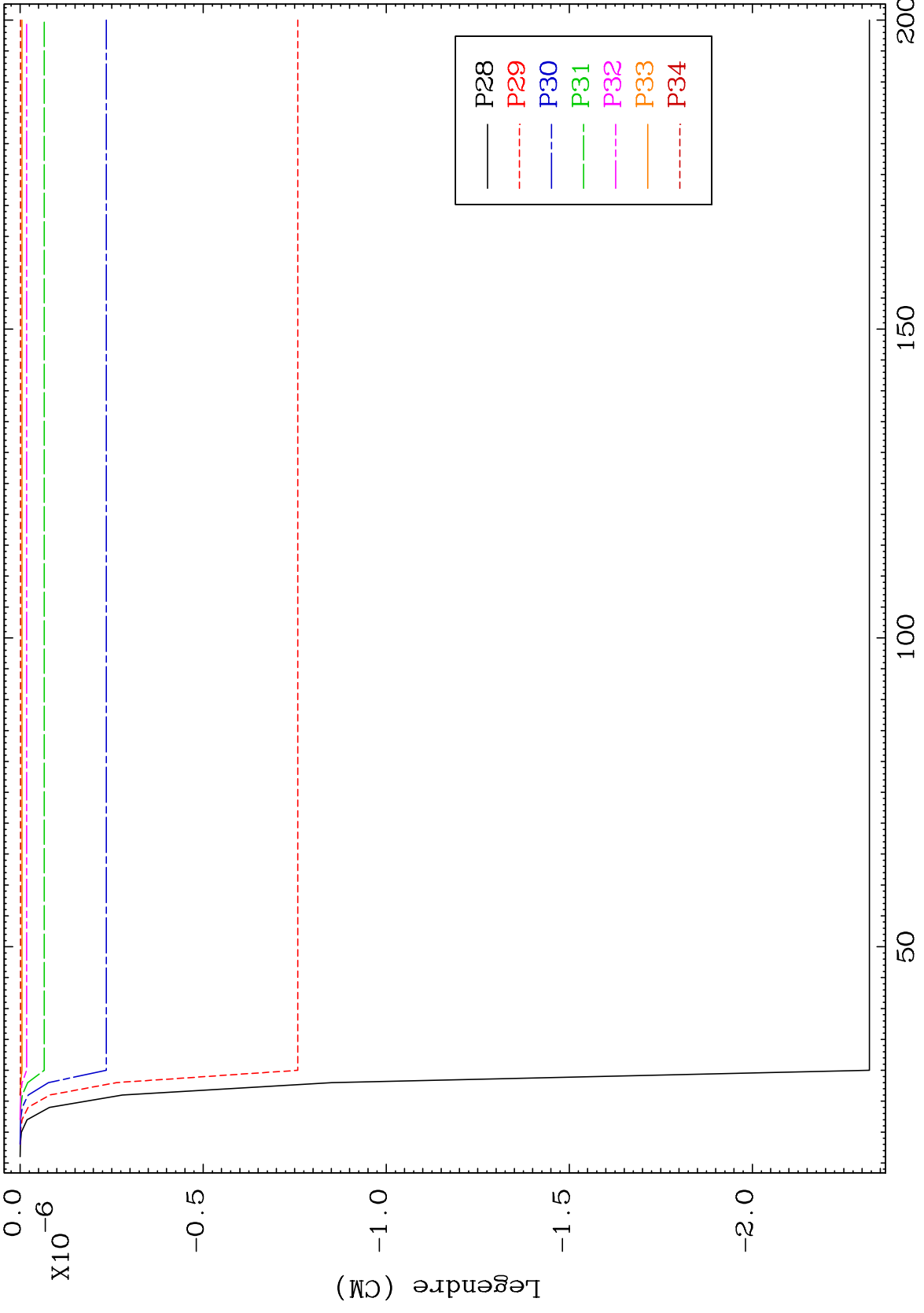
131

Incident Energy (MeV)

50-Sn-128



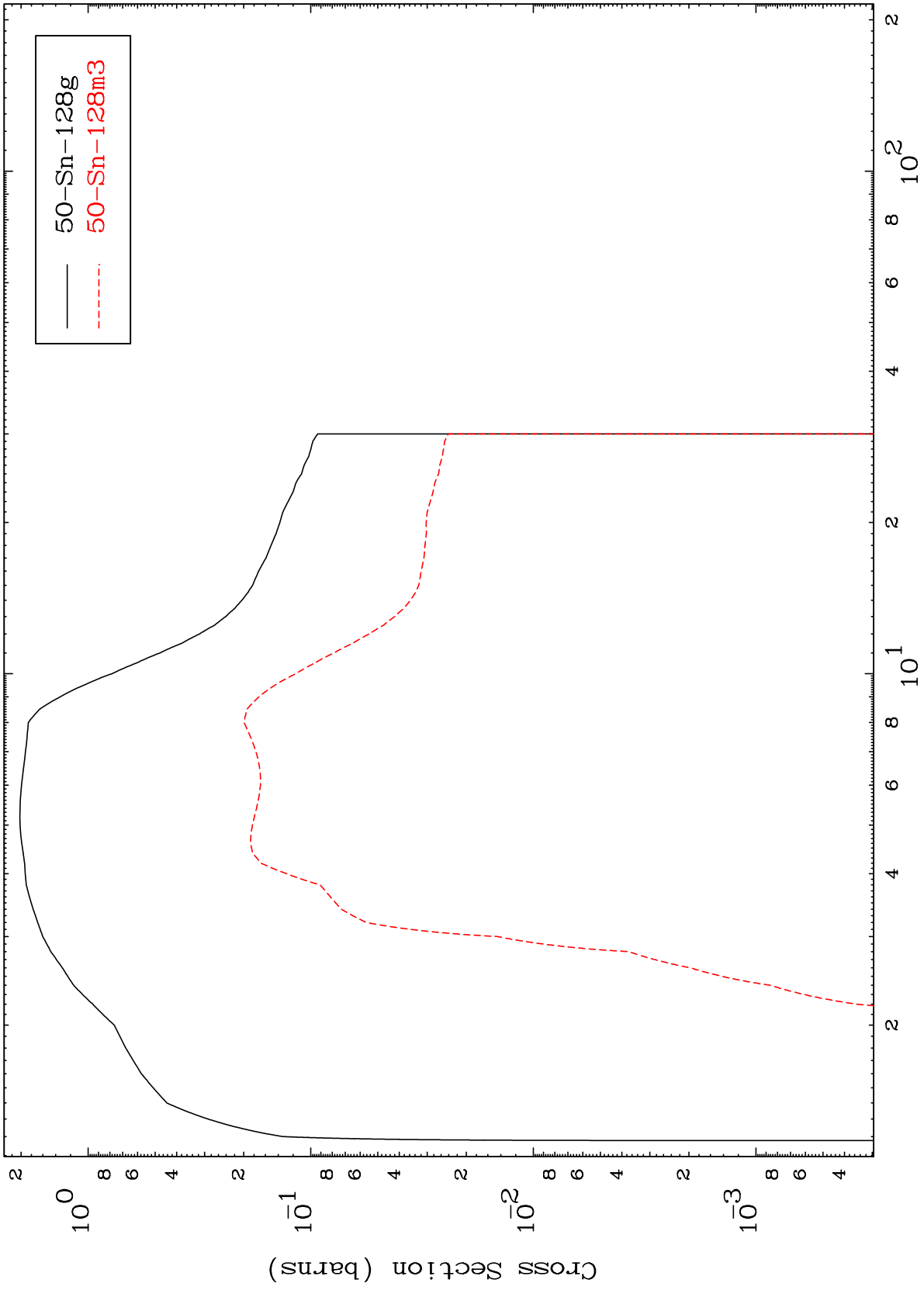
MAT 5073 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-128



MAT 5073

Inelastic Radionuclide Production Cross Section

50-Sn-128



134

Incident Energy (MeV)

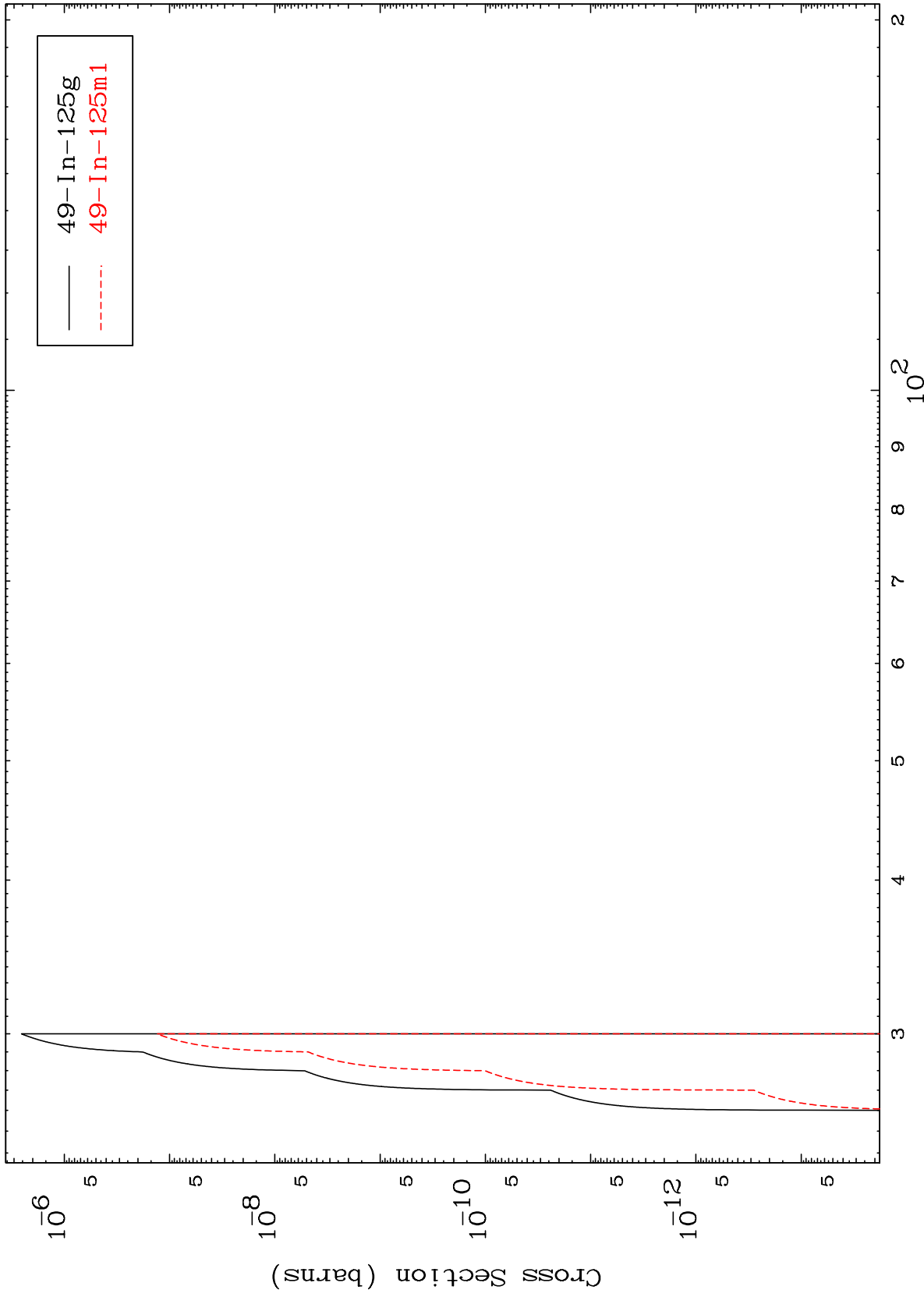
50-Sn-128

MAT 5073

(n,2n) d

50-Sn-128

Radionuclide Production Cross Section



135

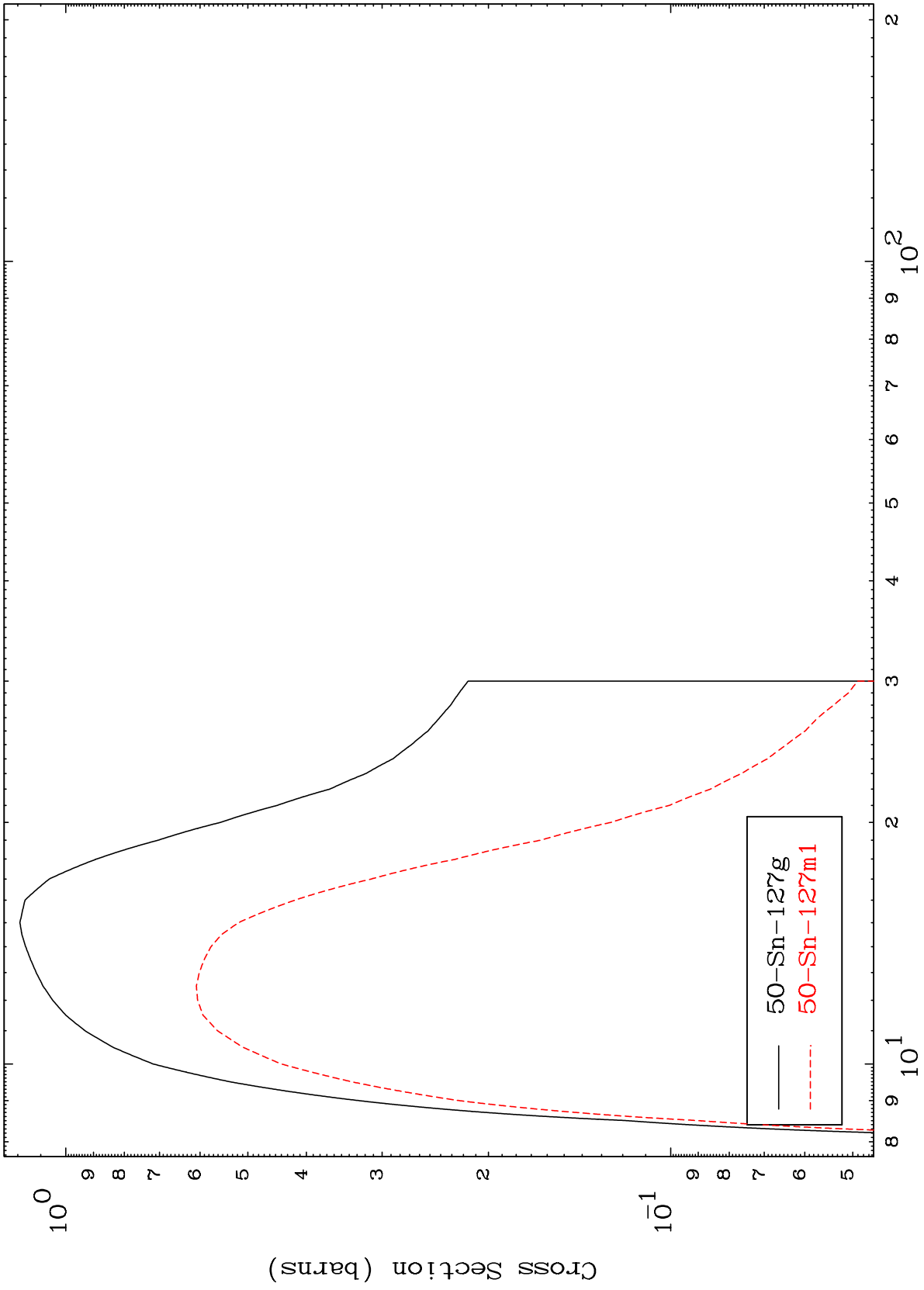
Incident Energy (MeV)

50-Sn-128

MAT 5073

50-Sn-128

Radionuclide Production Cross Section
(n,2n)

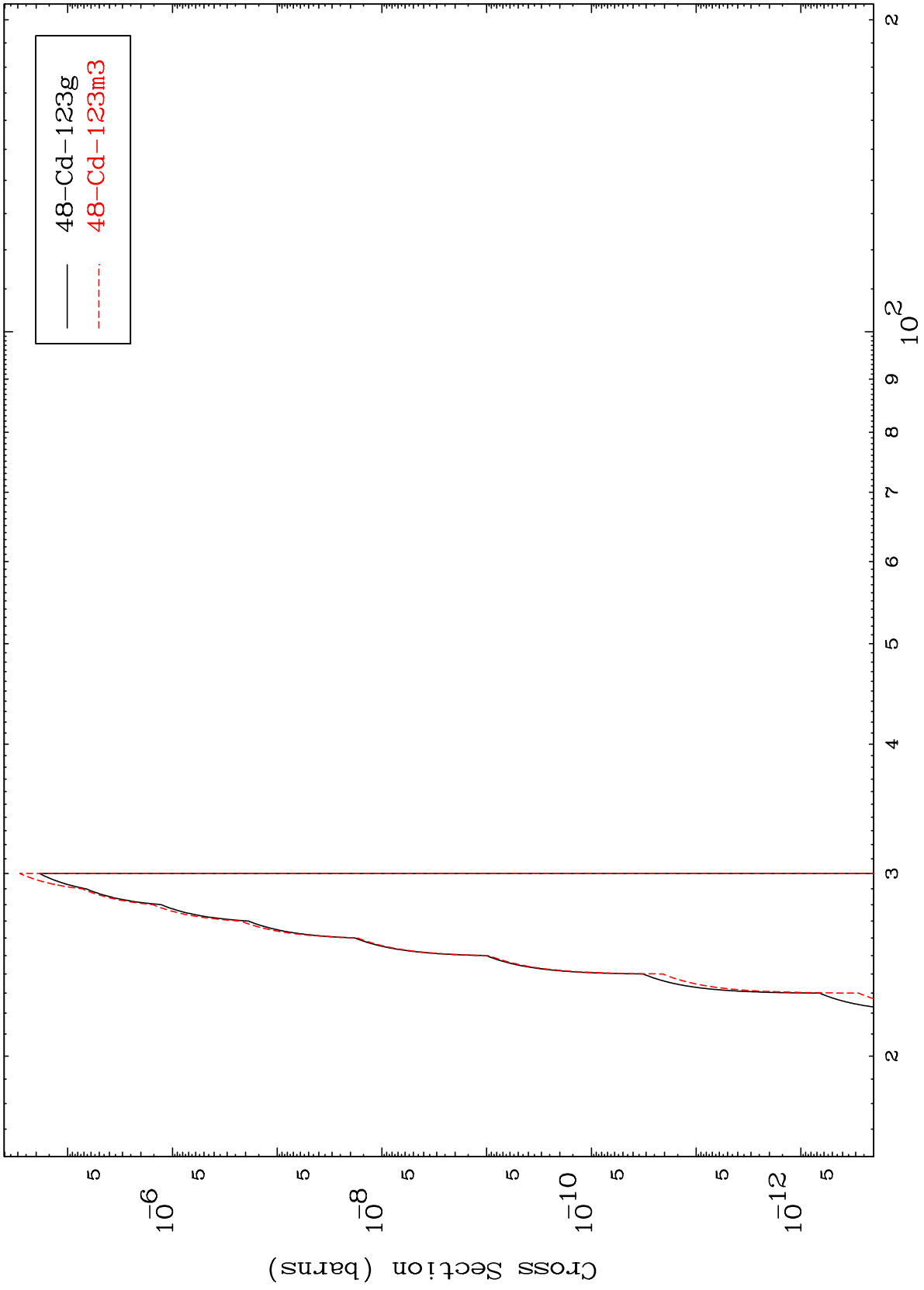


MAT 5073

(n,2n) α

50-Sn-128

Radionuclide Production Cross Section



137

Incident Energy (MeV)

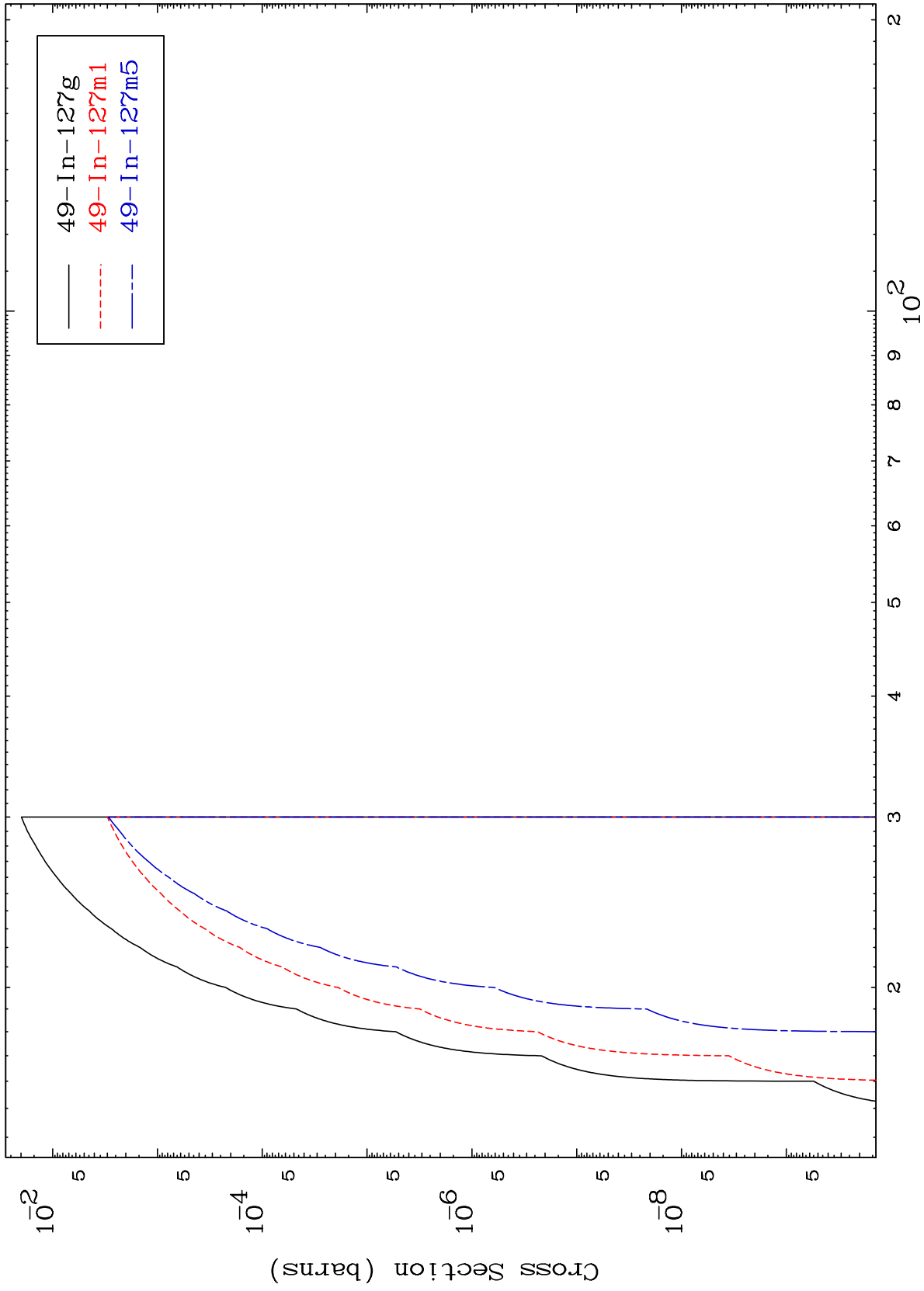
50-Sn-128

MAT 5073

(n,n') p

50-Sn-128

Radionuclide Production Cross Section



138

Incident Energy (MeV)

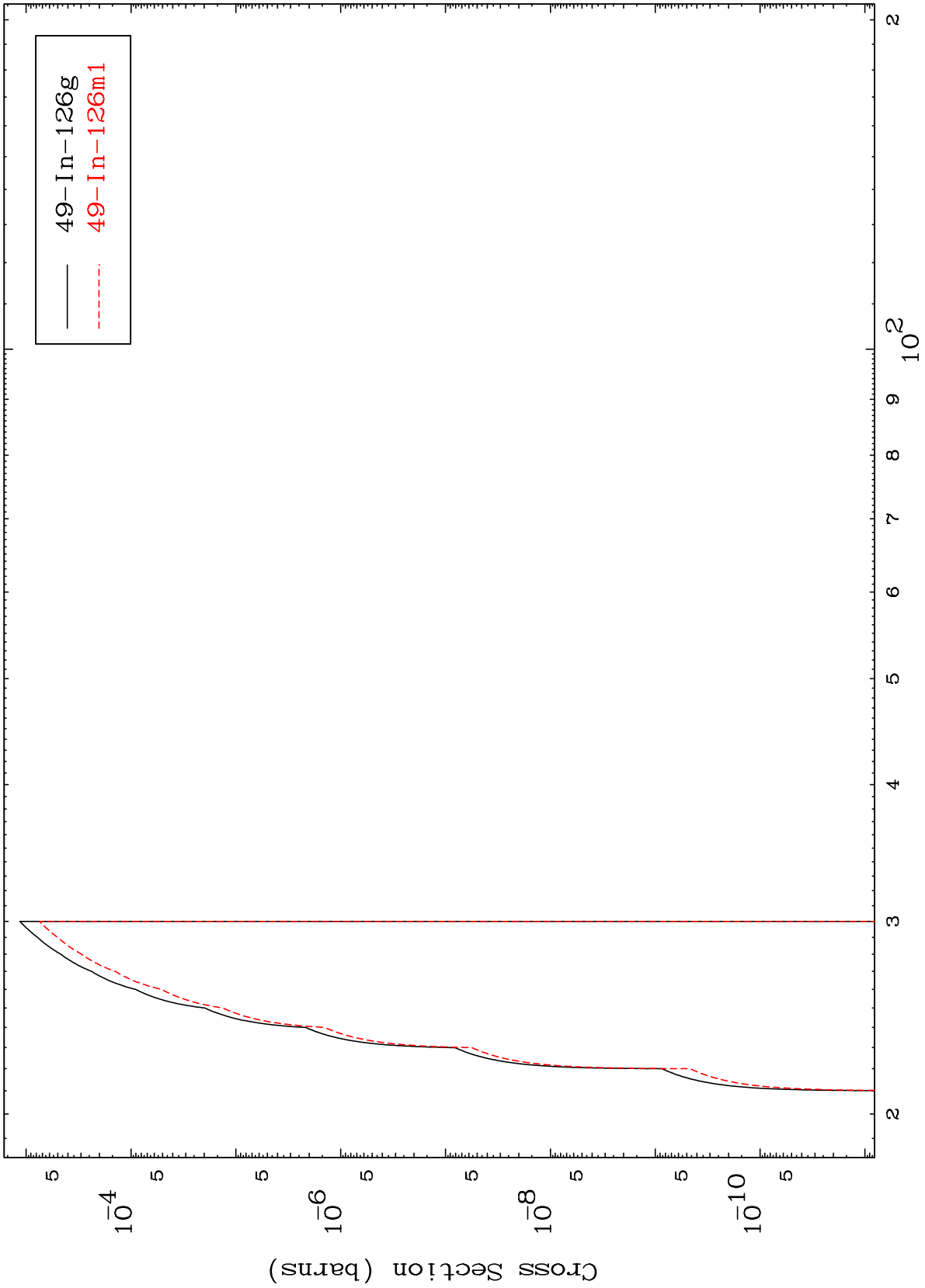
50-Sn-128

MAT 5073

(n,n') d

50-Sn-128

Radionuclide Production Cross Section



139

Incident Energy (MeV)

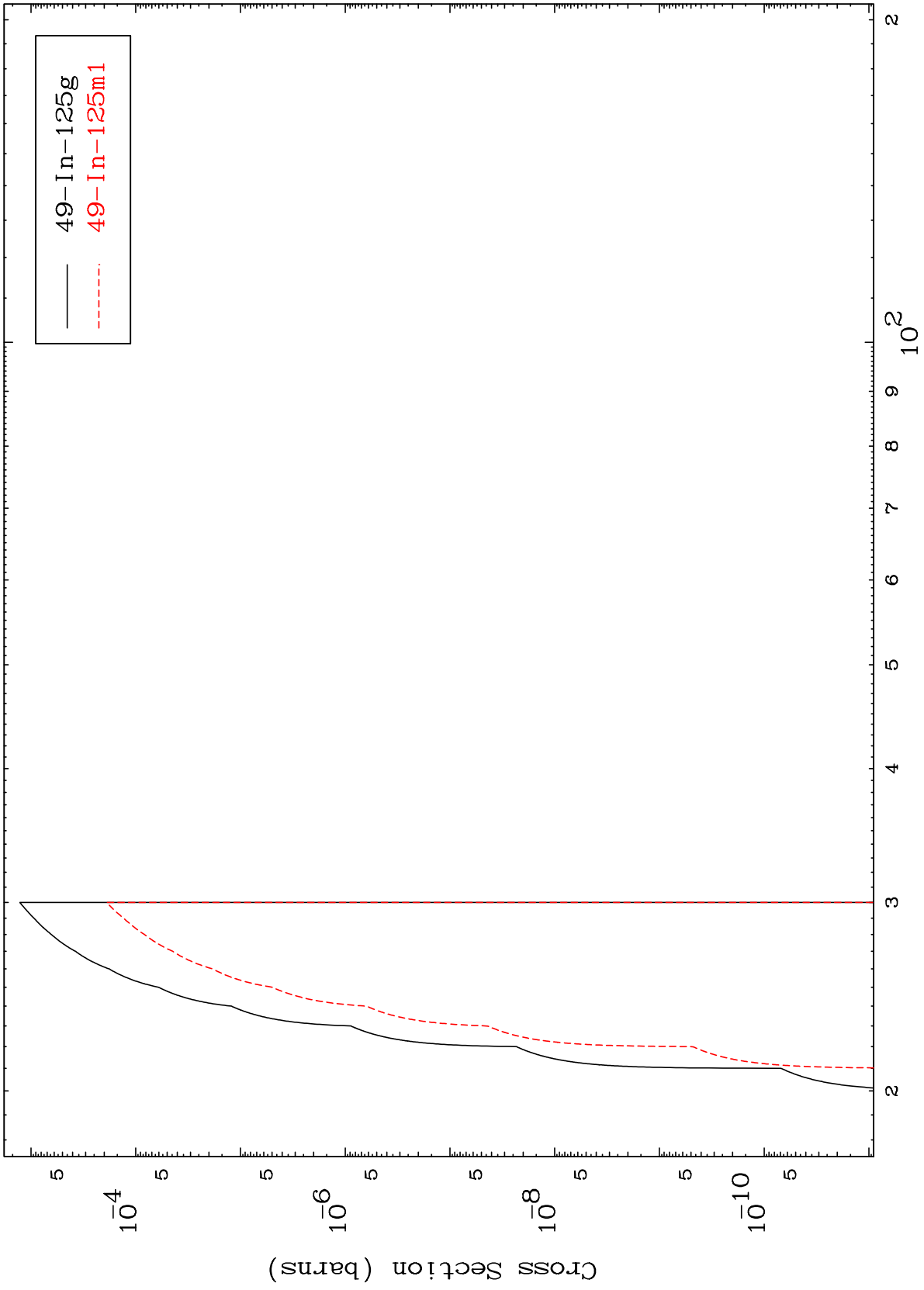
50-Sn-128

MAT 5073

(n,n') t

50-Sn-128

Radionuclide Production Cross Section



140

Incident Energy (MeV)

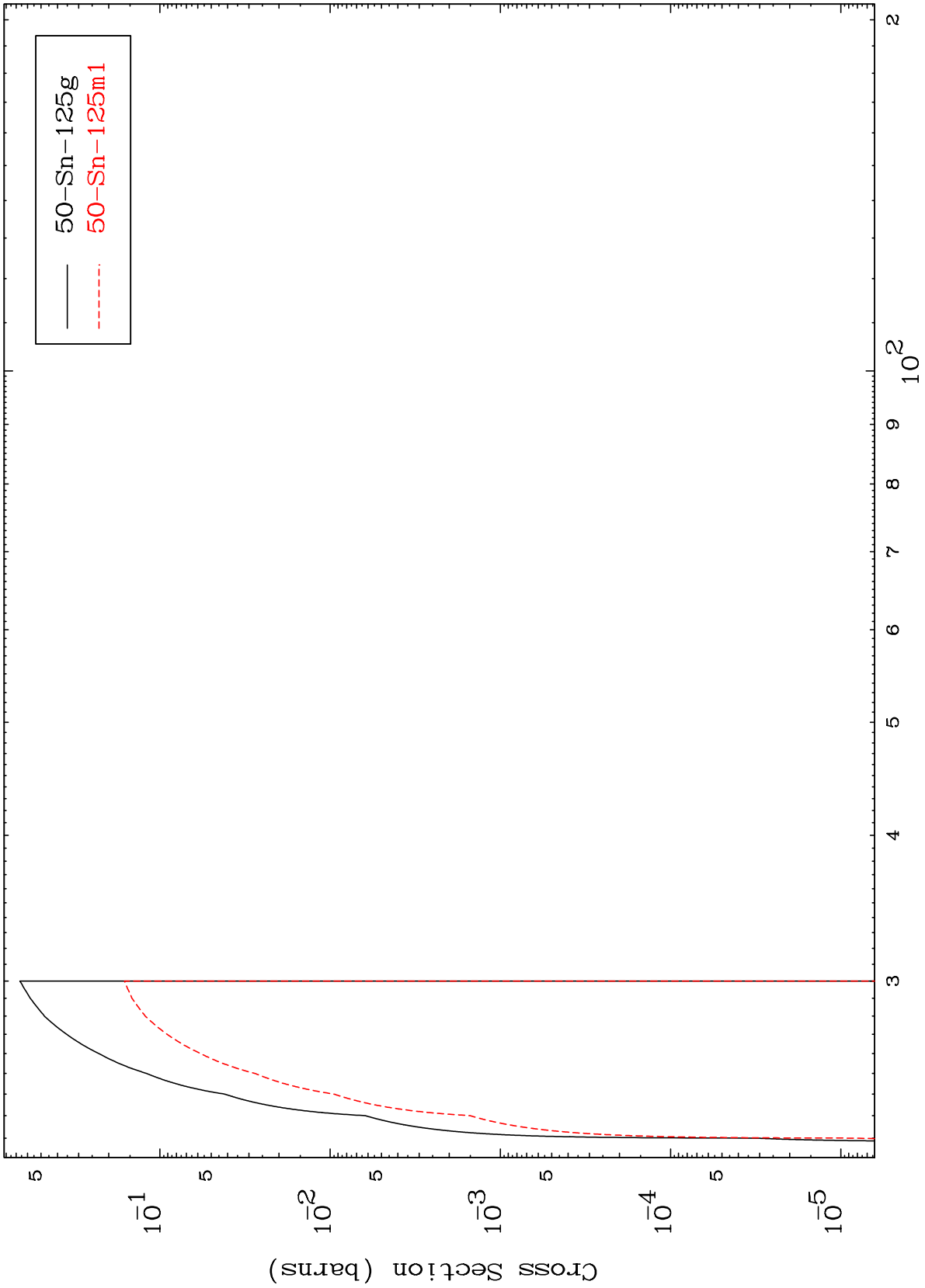
50-Sn-128

MAT 5073

(n,4n)

50-Sn-128

Radionuclide Production Cross Section



141

Incident Energy (MeV)

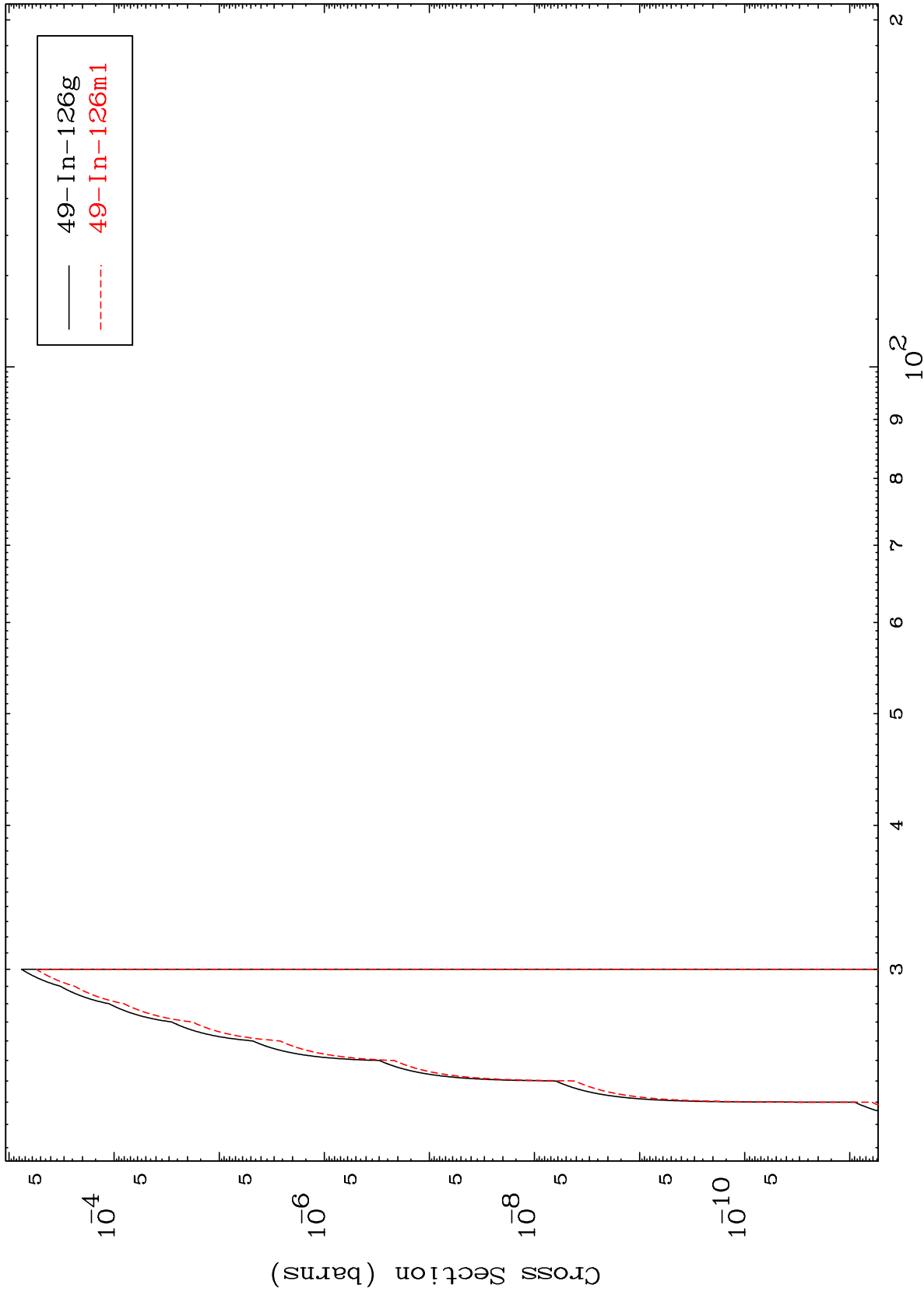
50-Sn-128

MAT 5073

(n,2n) p

50-Sn-128

Radionuclide Production Cross Section



142

Incident Energy (MeV)

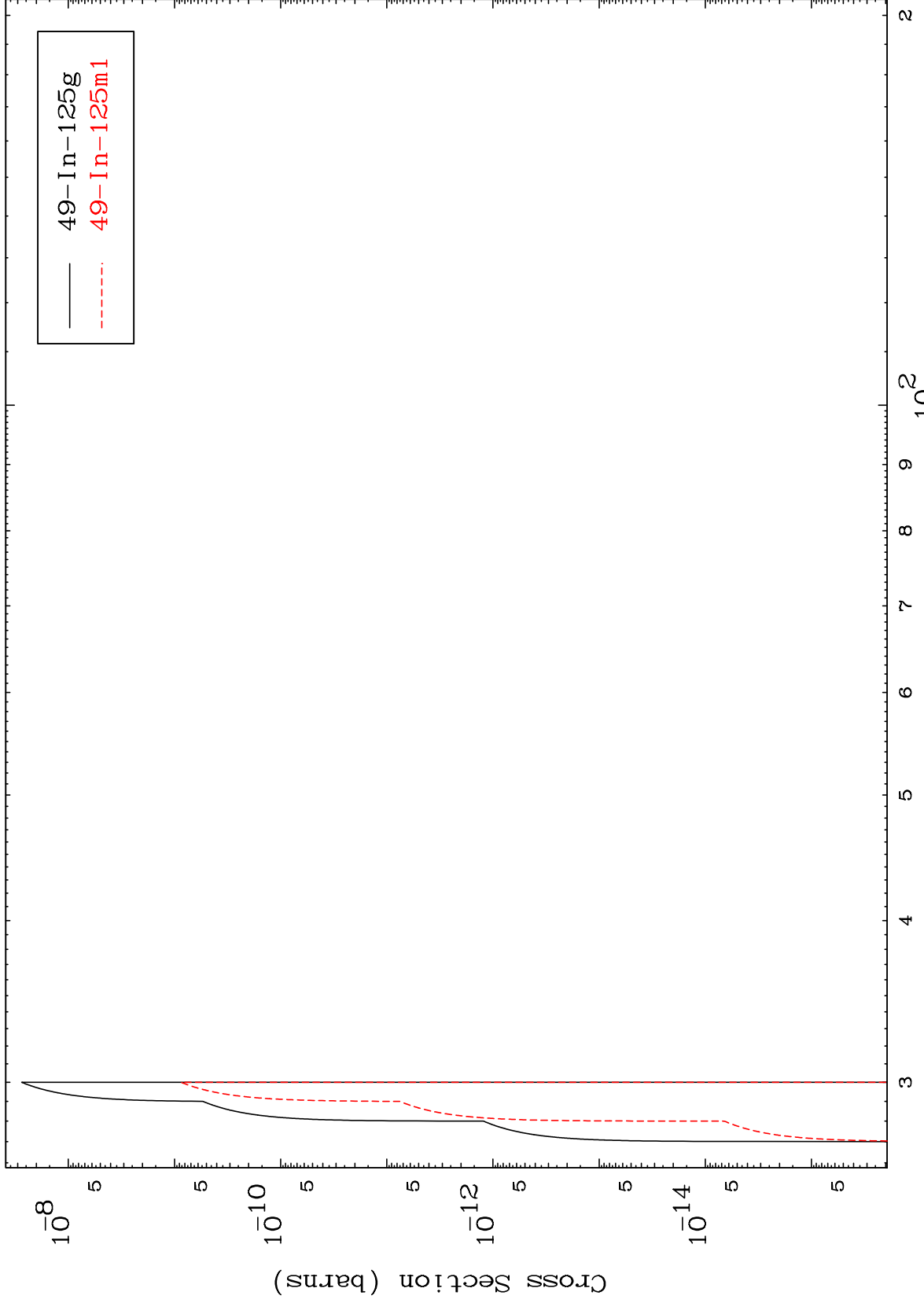
50-Sn-128

MAT 5073

(n,3n) p

50-Sn-128

Radionuclide Production Cross Section



143

Incident Energy (MeV)

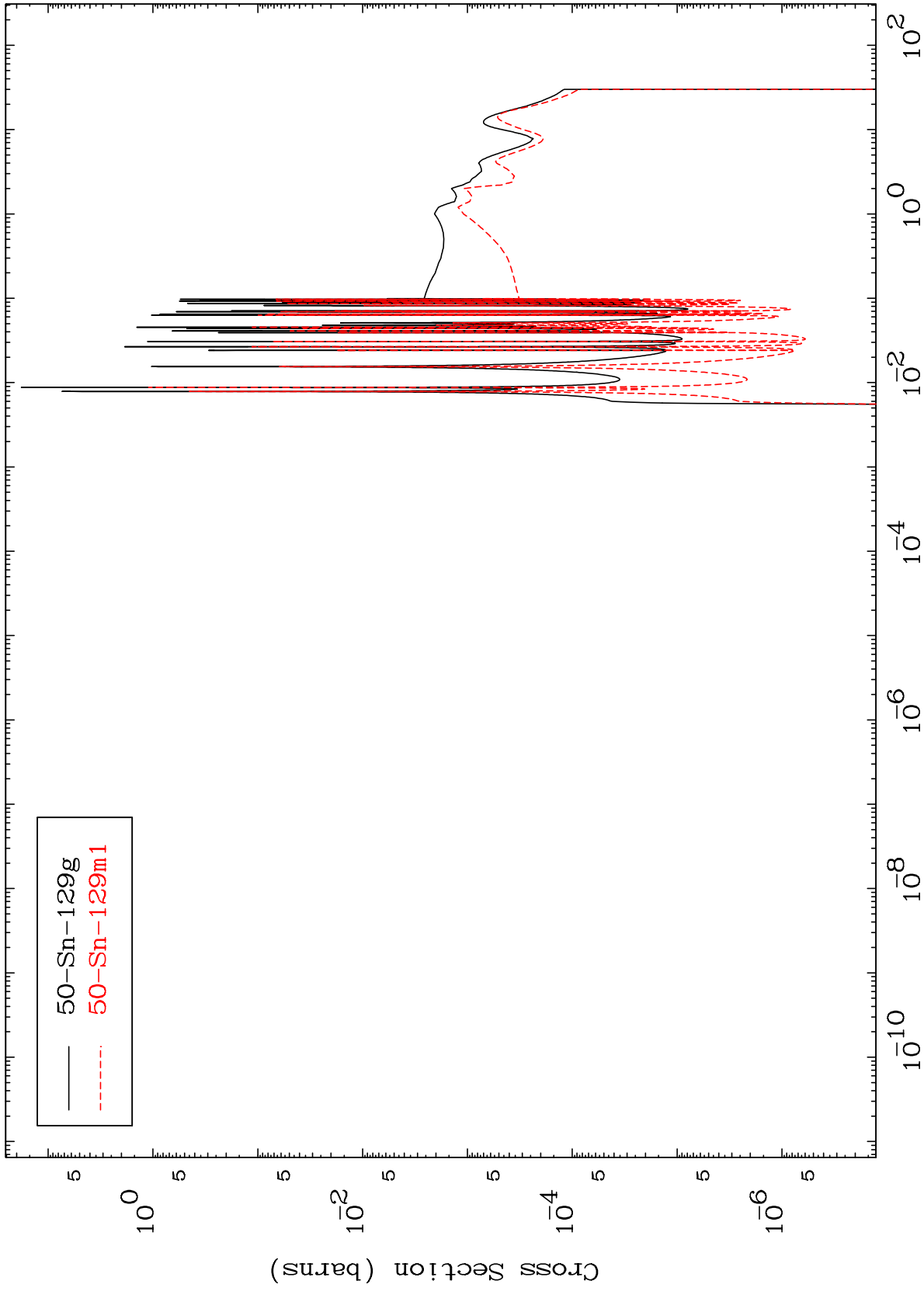
50-Sn-128

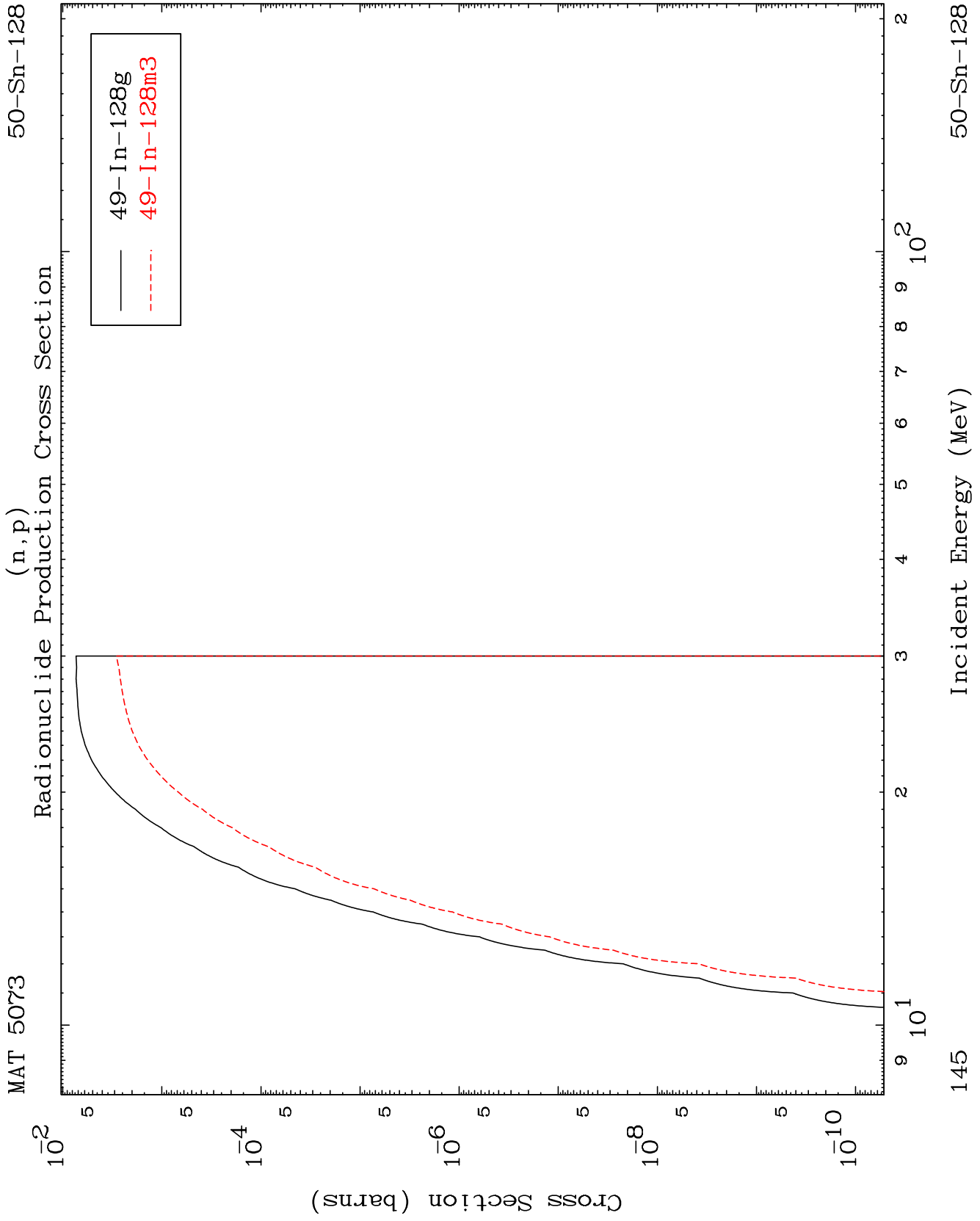
MAT 5073

(n, γ)

50-Sn-128

Radionuclide Production Cross Section



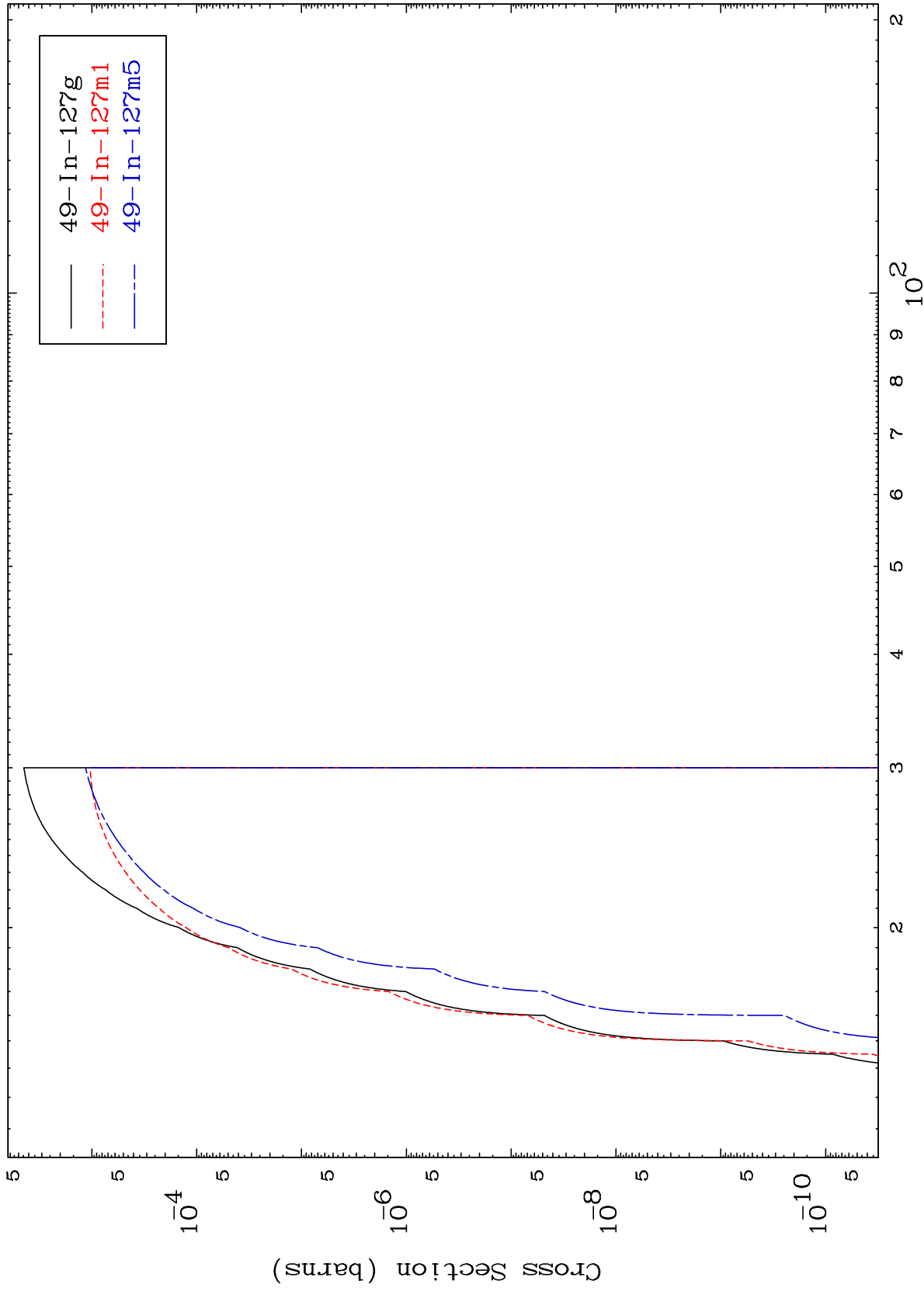


MAT 5073

(n,d)

50-Sn-128

Radionuclide Production Cross Section



146

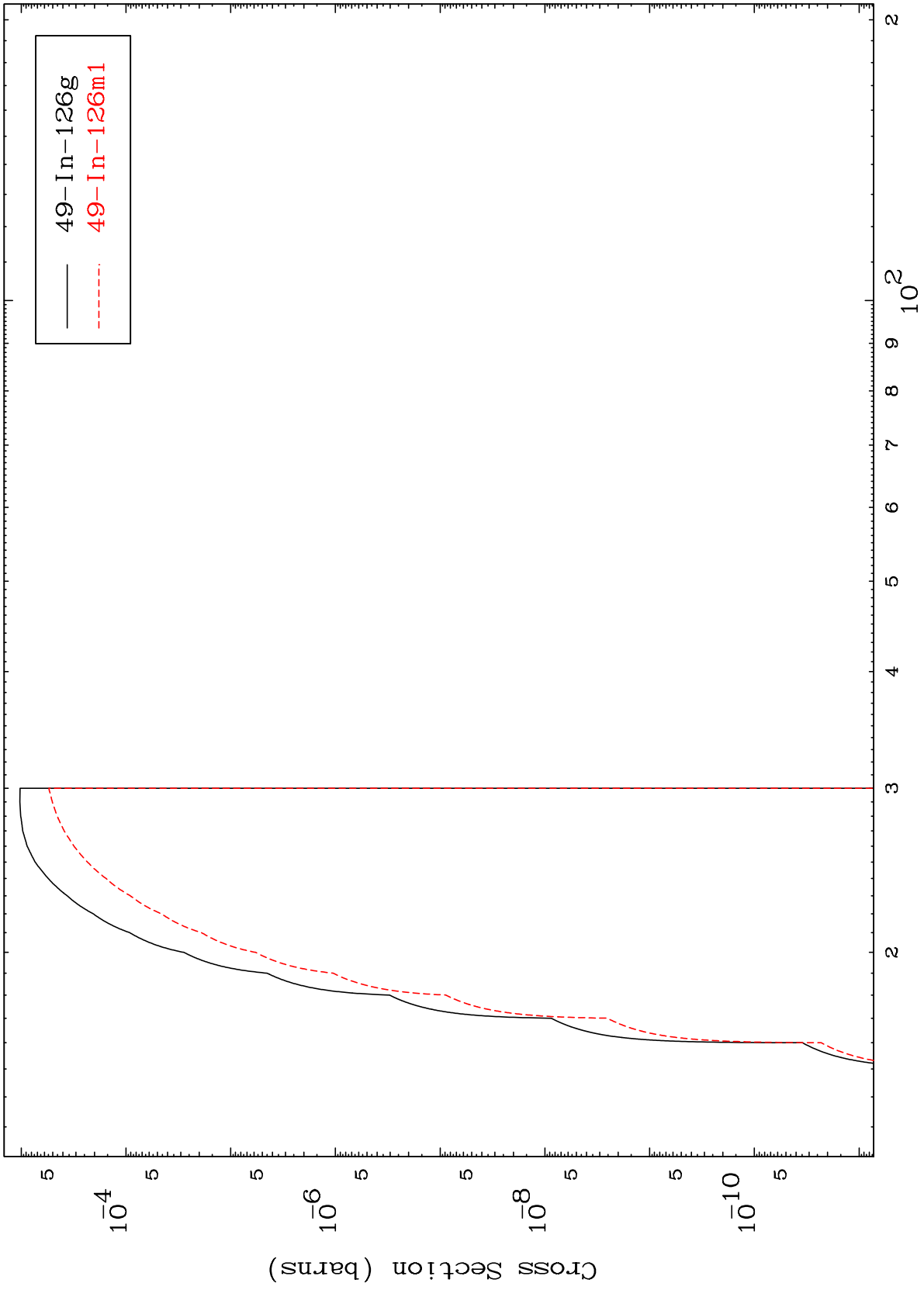
Incident Energy (MeV)

50-Sn-128

MAT 5073

50-Sn-128

(n, t)
Radionuclide Production Cross Section



147

Incident Energy (MeV)

50-Sn-128