

Program EVALPLOT
(Version 2017-1)

by

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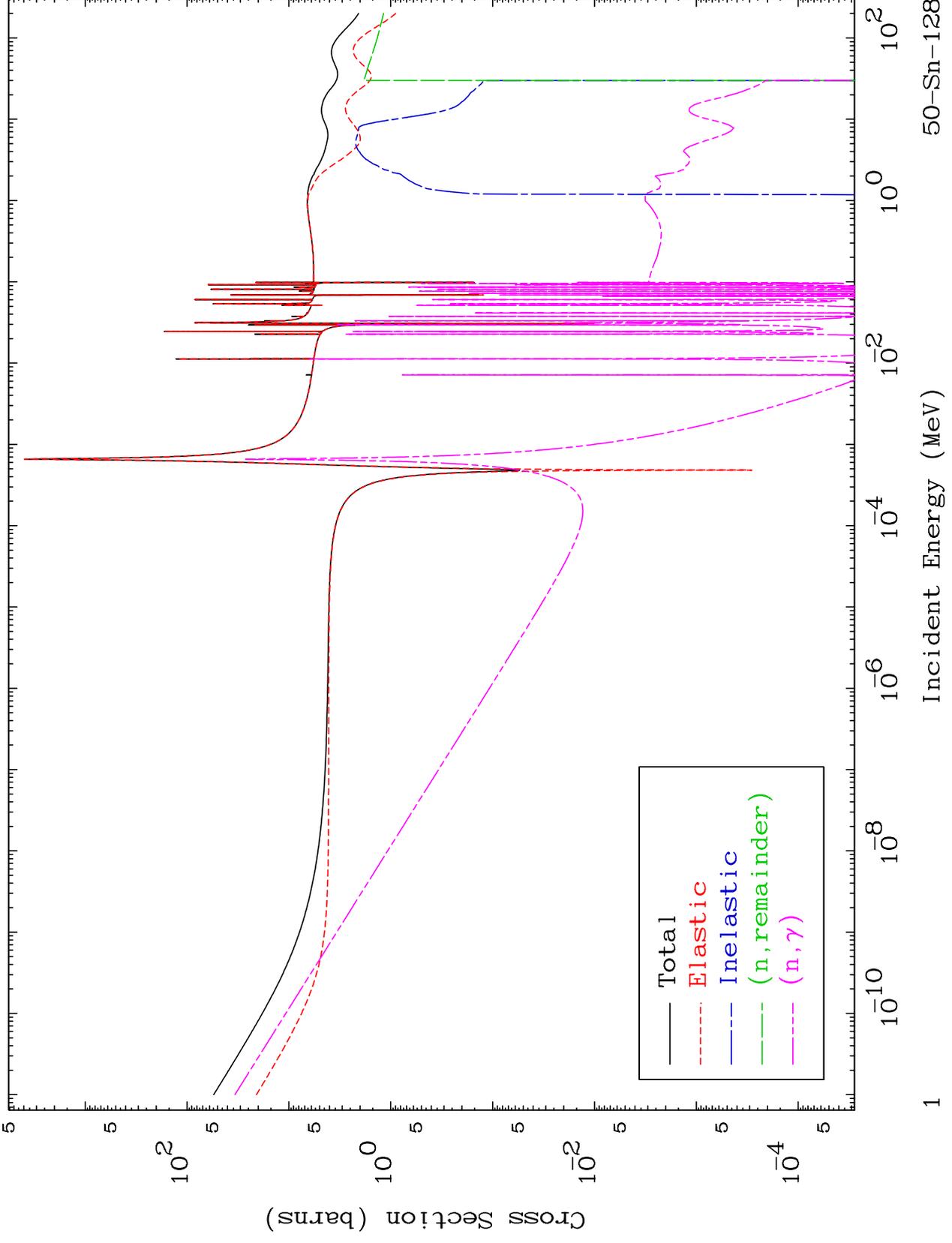
Press Mouse Button to Start

MAT 5073

Major

293 Kelvin Cross Sections

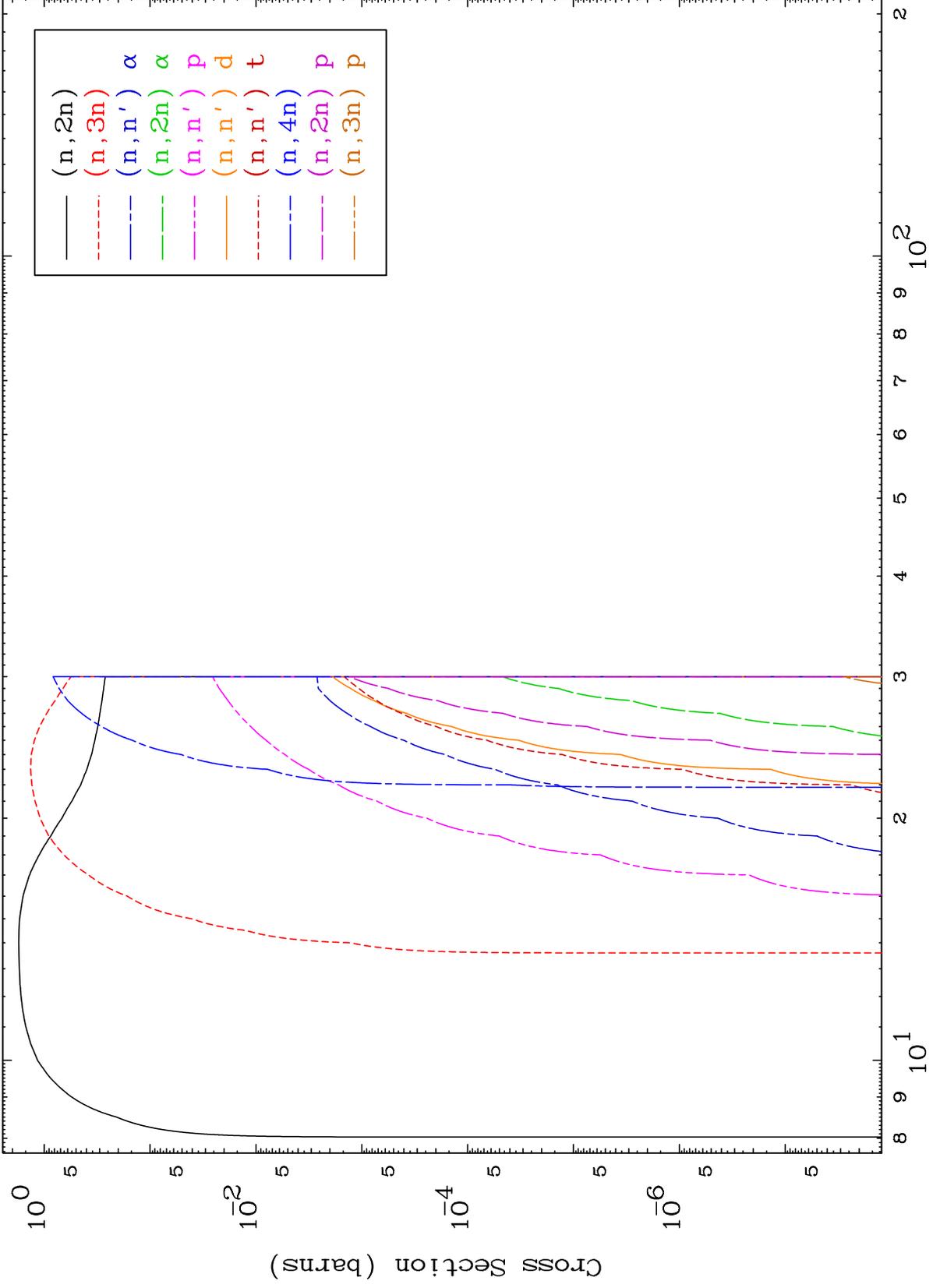
50-Sn-128



MAT 5073

Neutron Production
293 Kelvin Cross Sections

50-Sn-128



2

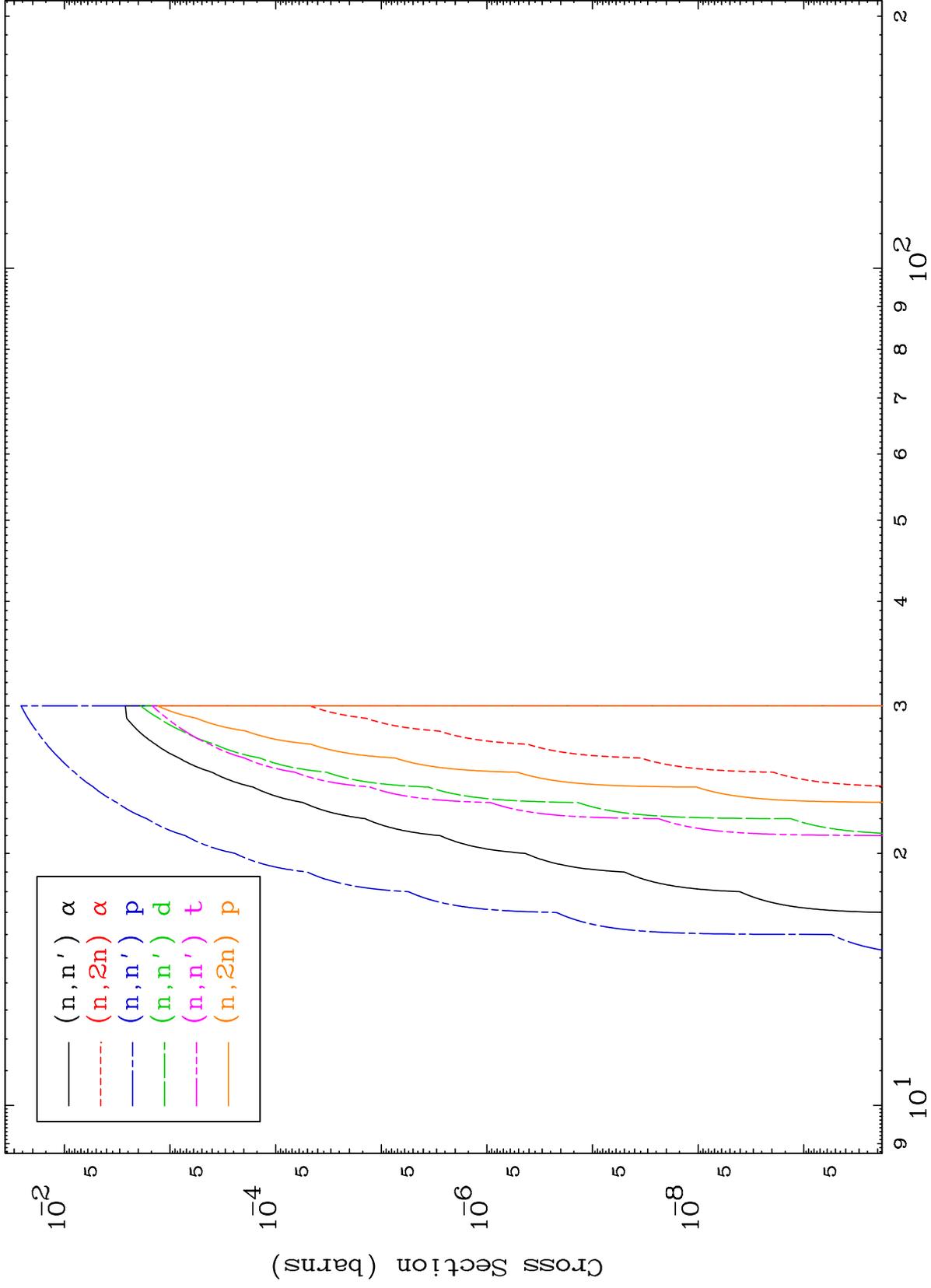
Incident Energy (MeV)

50-Sn-128

MAT 5073

Charged Particle
293 Kelvin Cross Sections

50-Sn-128



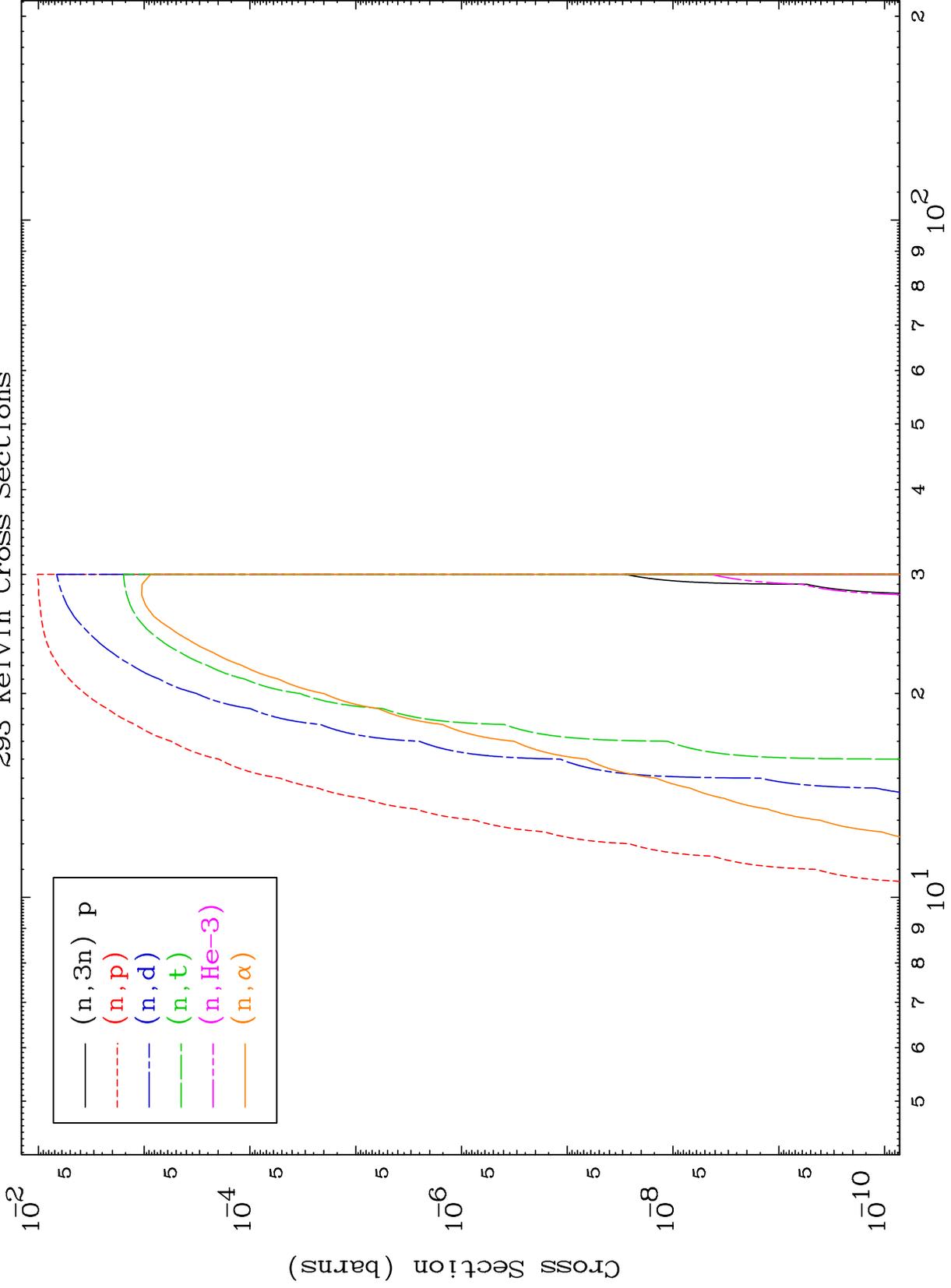
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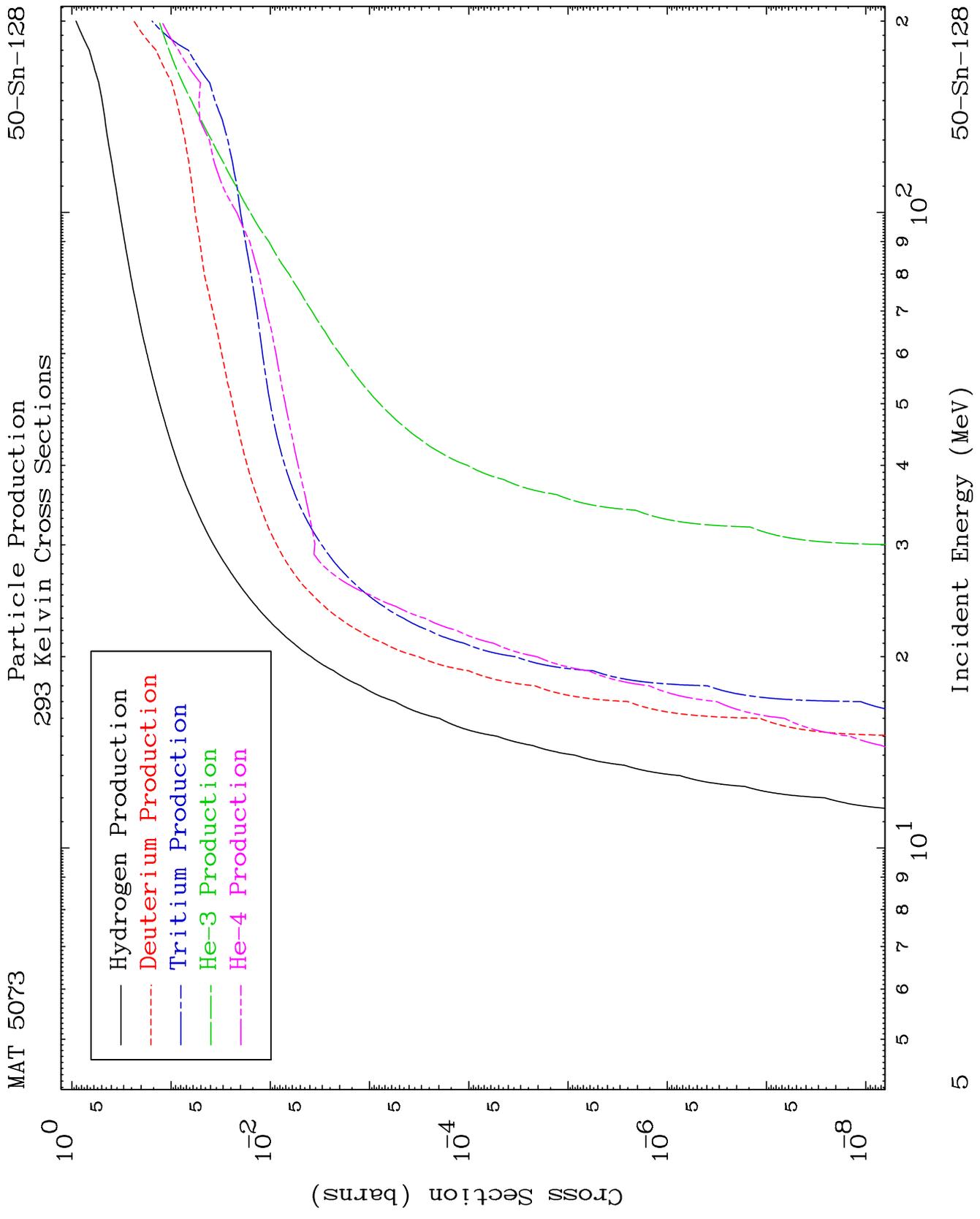
50-Sn-128

MAT 5073

Charged Particle
293 Kelvin Cross Sections

50-Sn-128



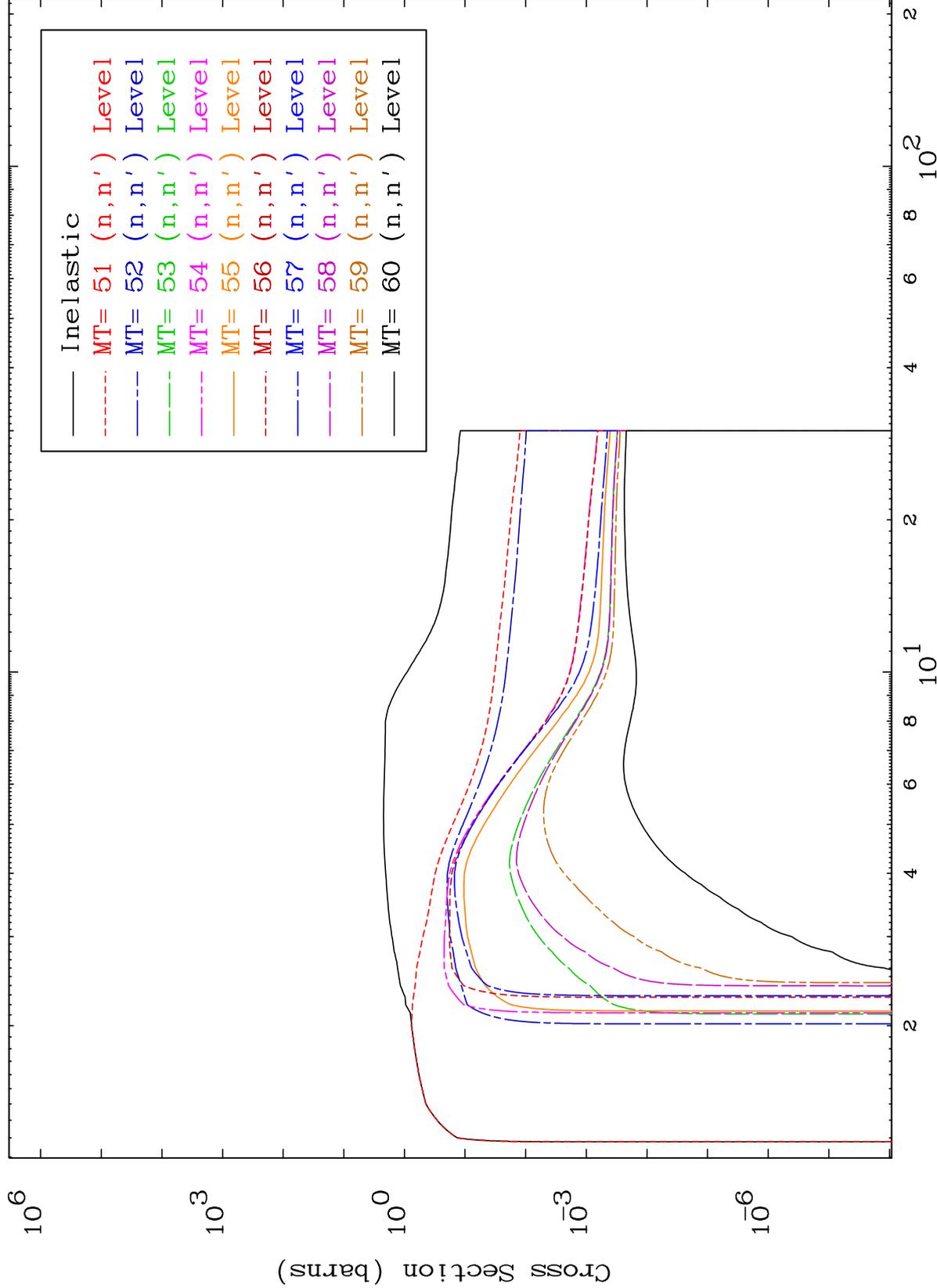


MAT 5073

(n,n') Level

50-Sn-128

293 Kelvin Cross Sections



6

Incident Energy (MeV)

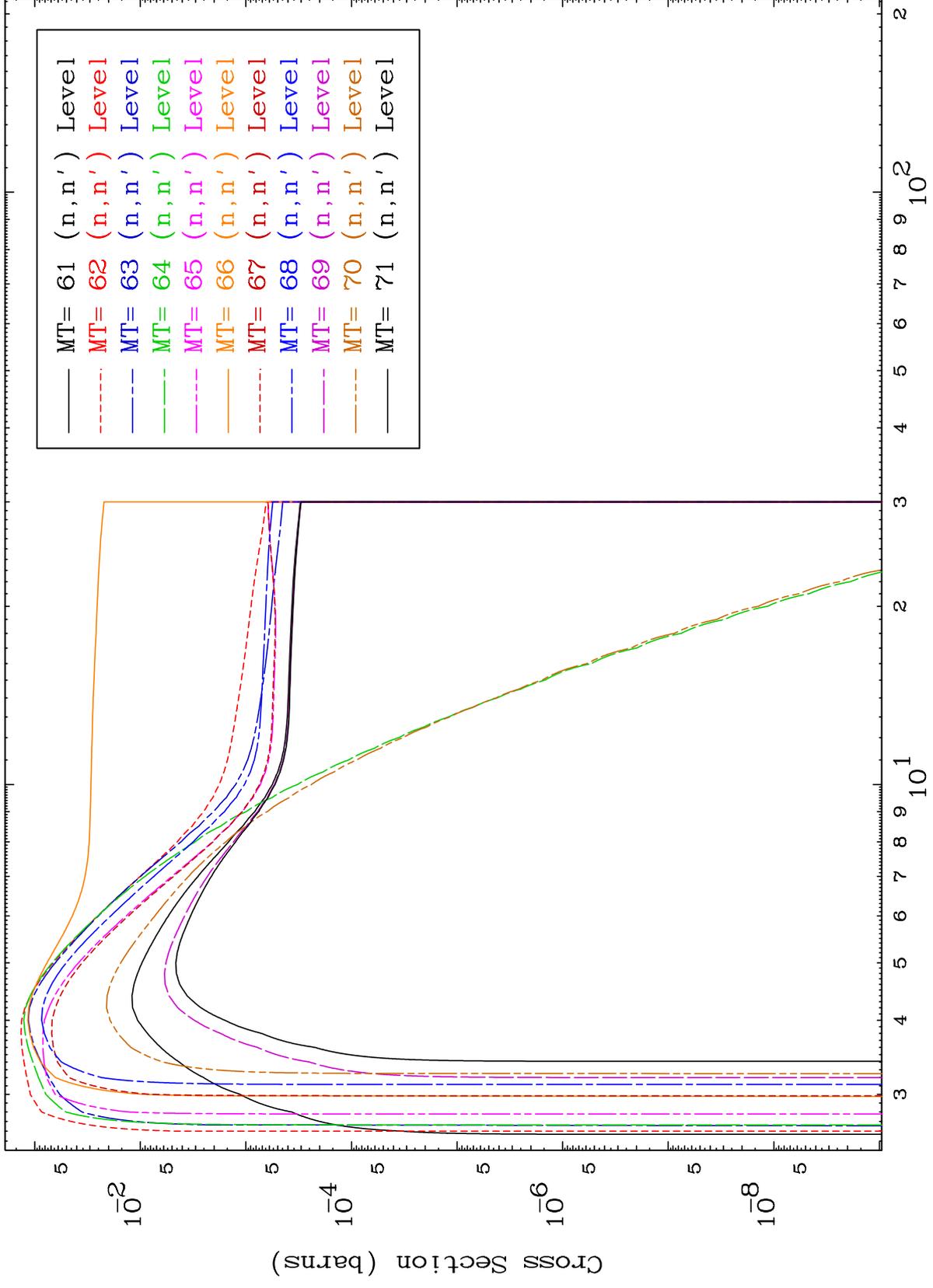
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MAT 5073

(n,n') Level

50-Sn-128

293 Kelvin Cross Sections



7

Incident Energy (MeV)

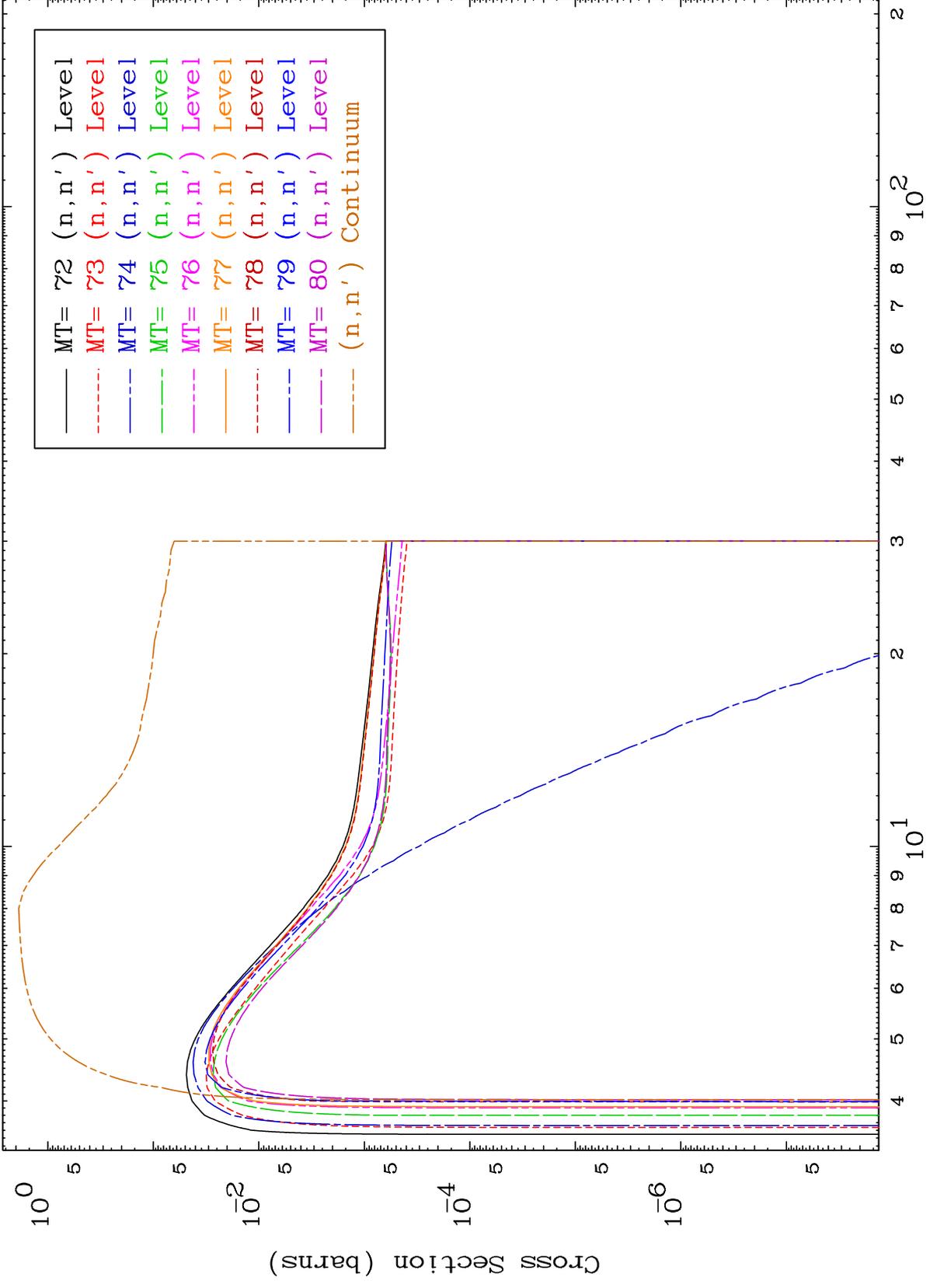
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MAT 5073

(n,n') Level

50-Sn-128

293 Kelvin Cross Sections



Incident Energy (MeV)

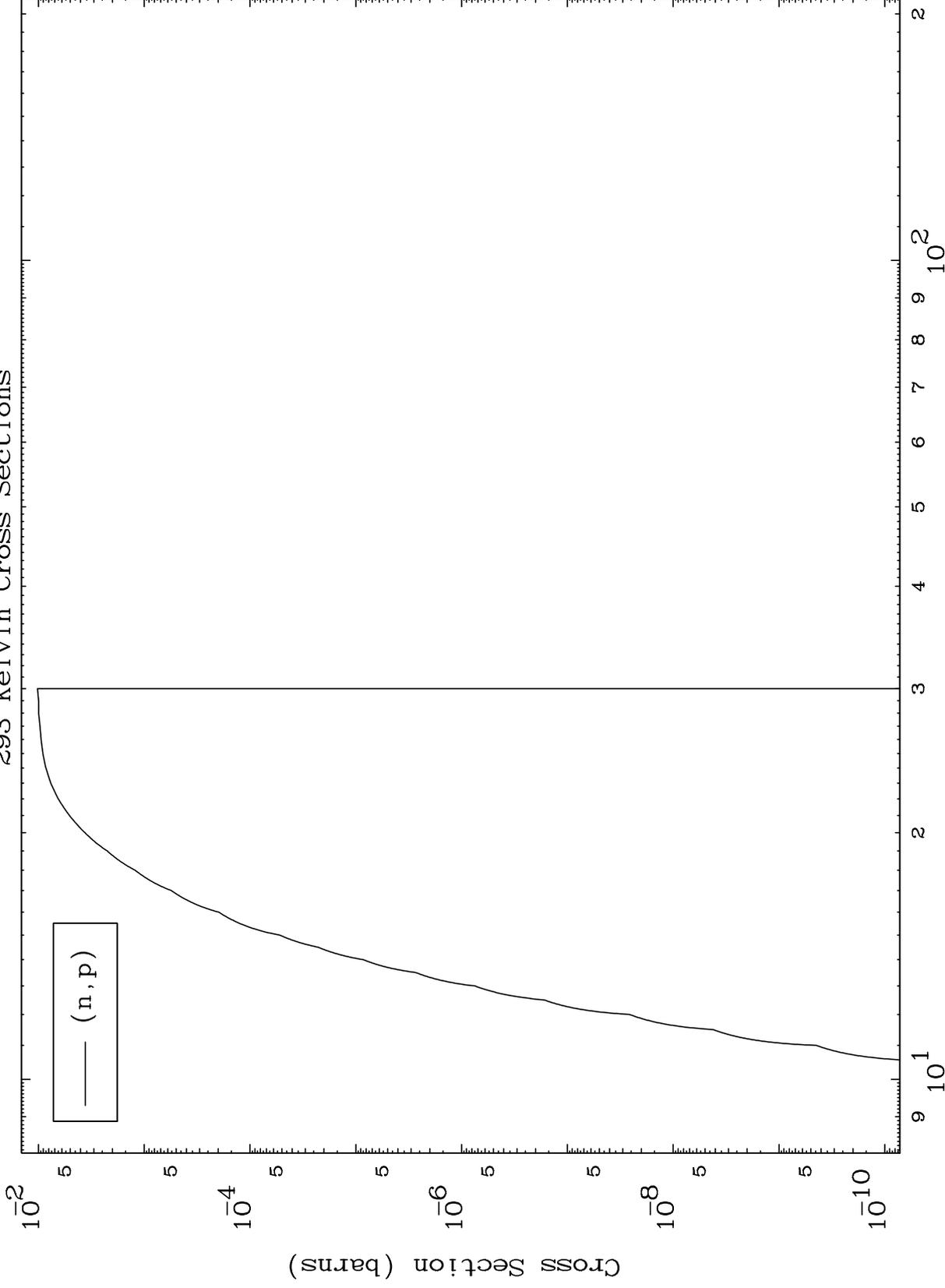
50-Sn-128

8

MAT 5073

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-128



9

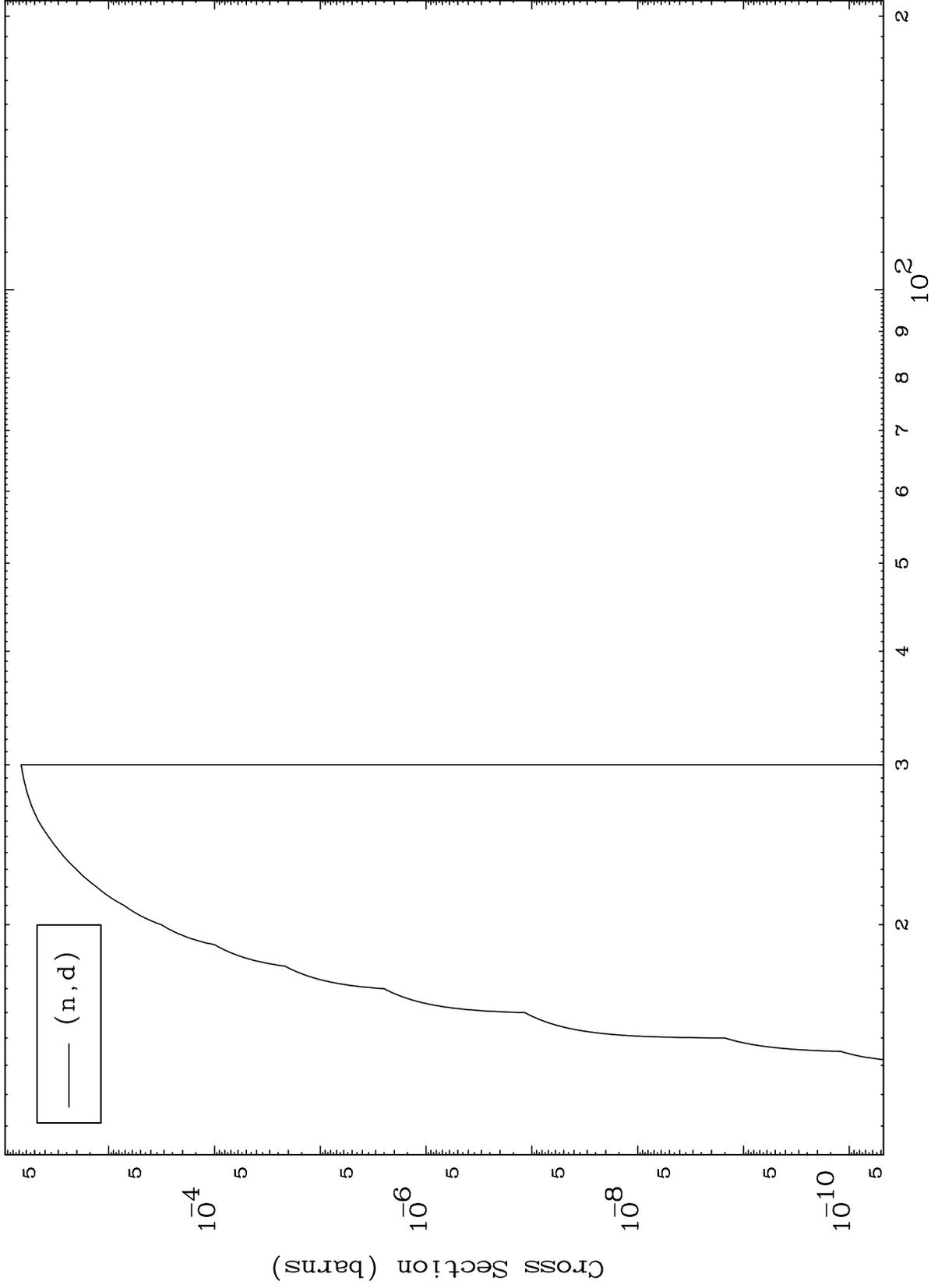
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50-Sn-128

MAT 5073

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-128



10

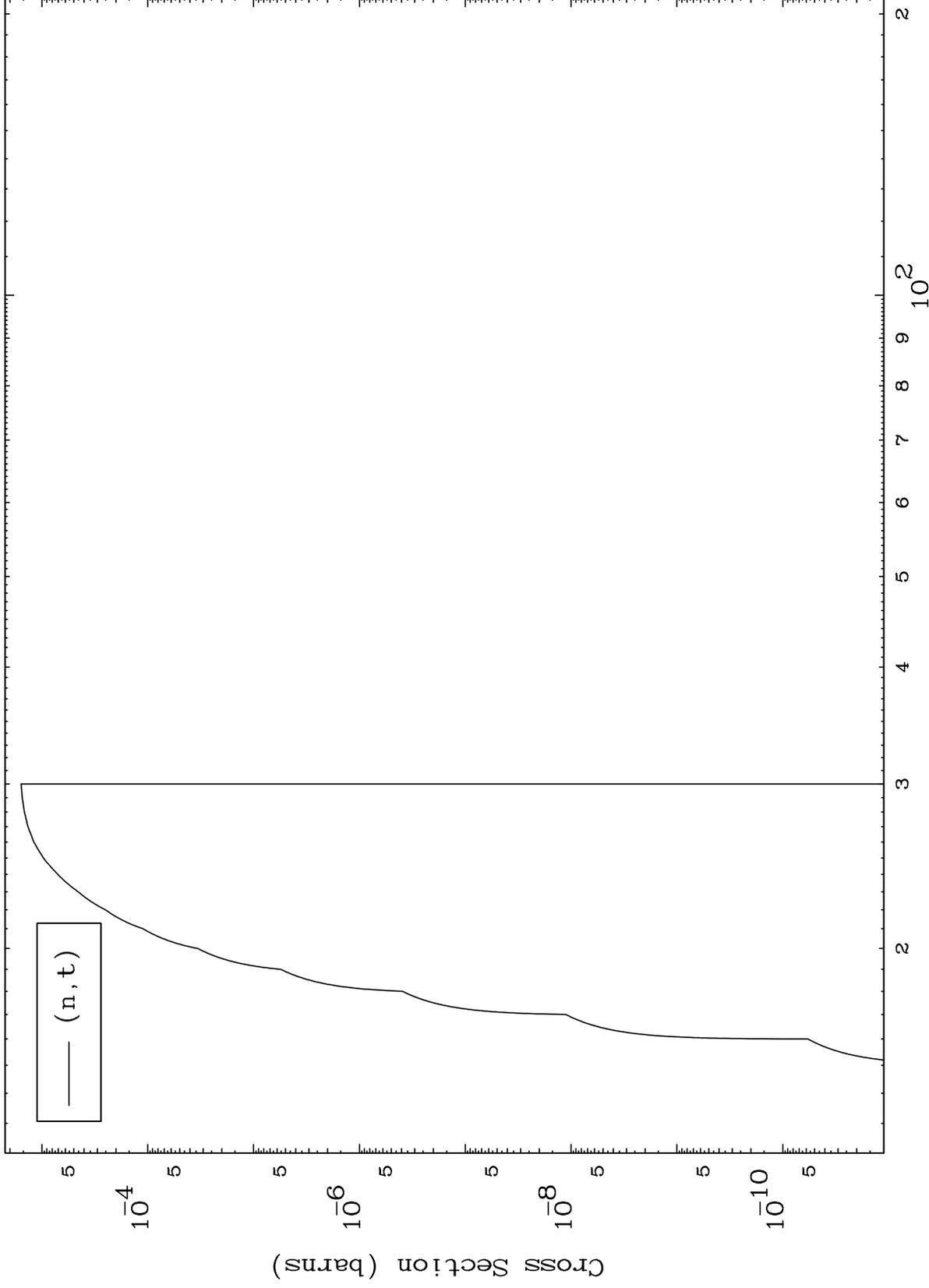
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50-Sn-128

MAT 5073

(n,t) Levels
293 Kelvin Cross Sections

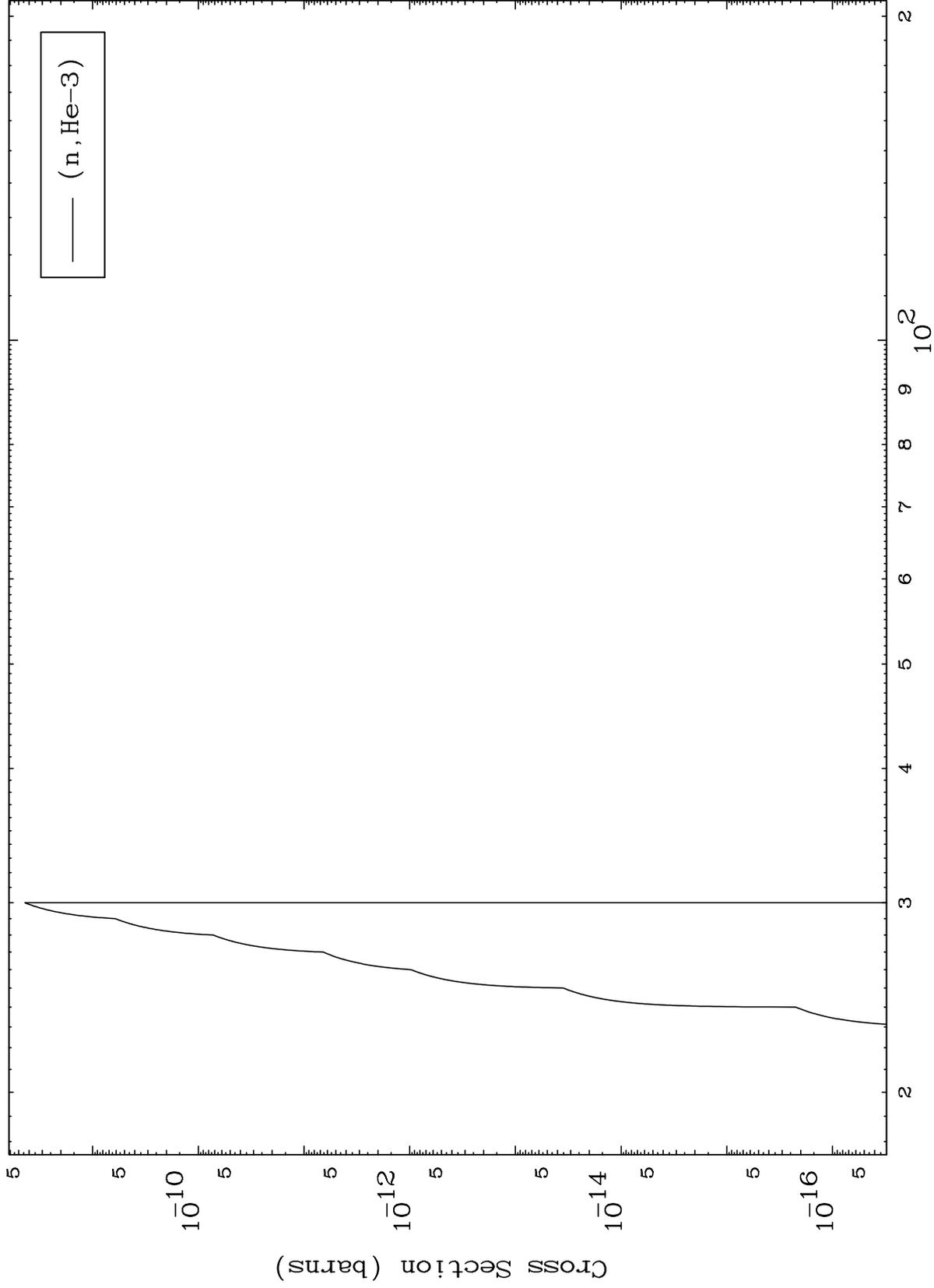
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MAT 5073

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-128



12

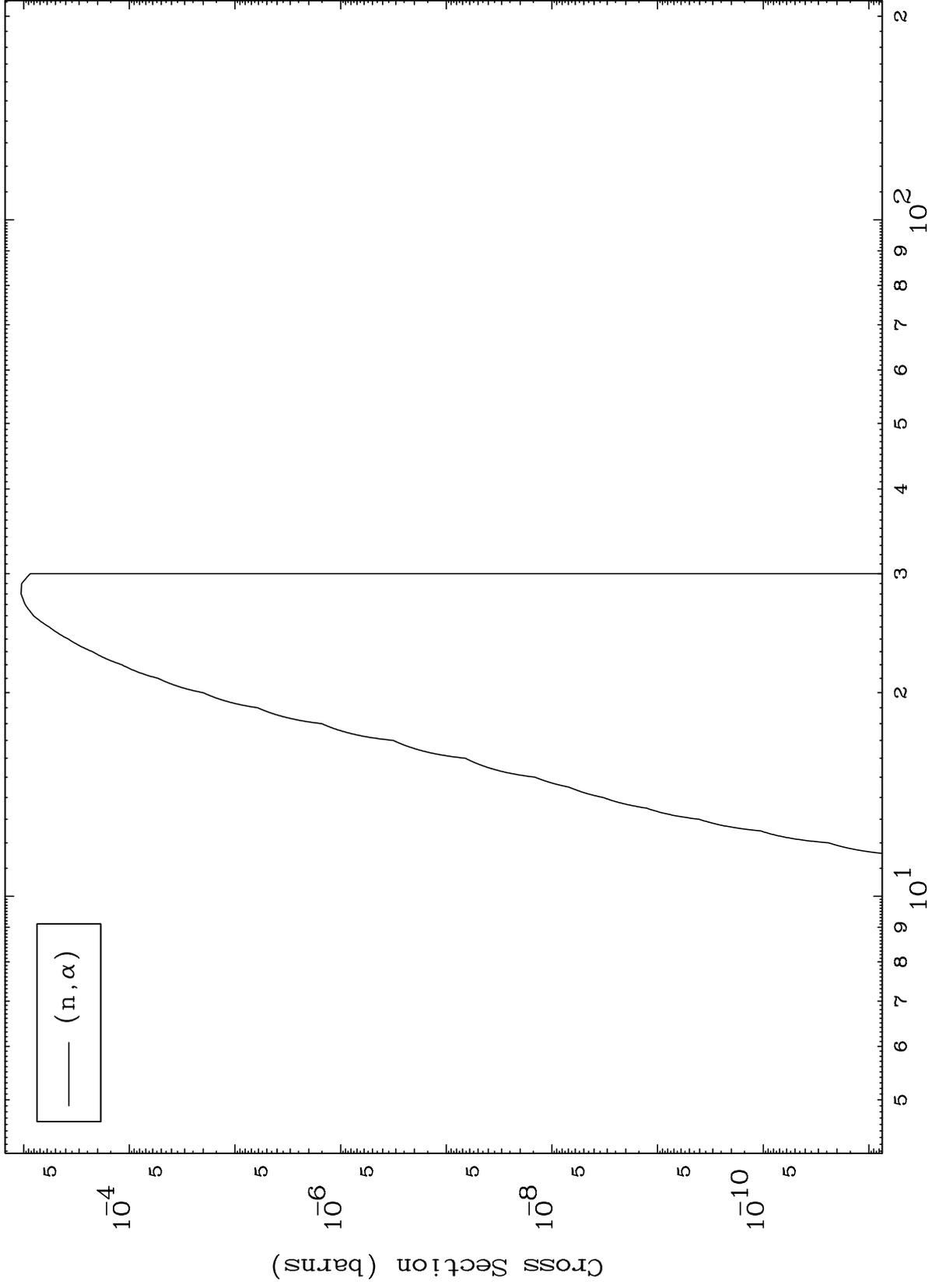
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n,α) Levels
293 Kelvin Cross Sections

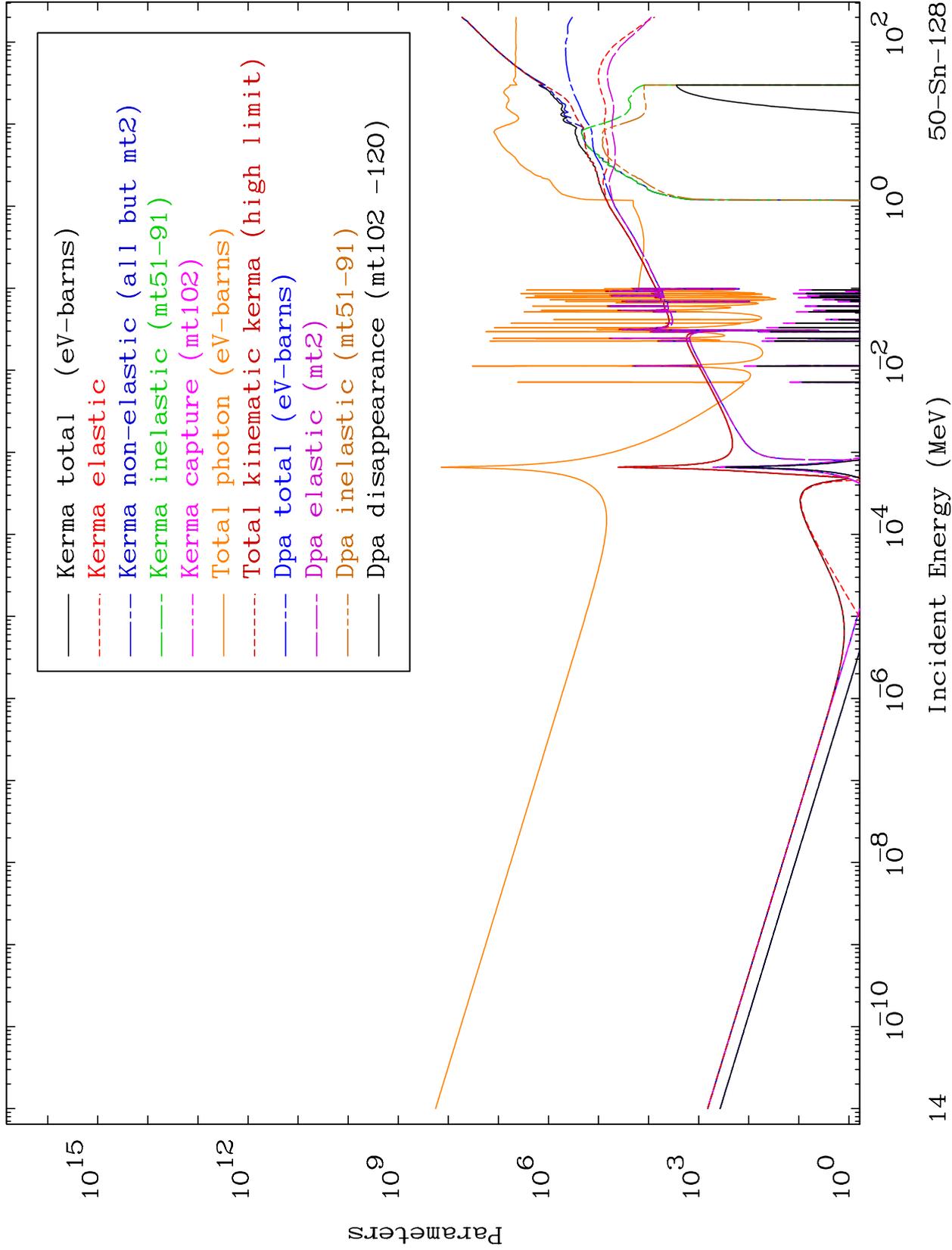
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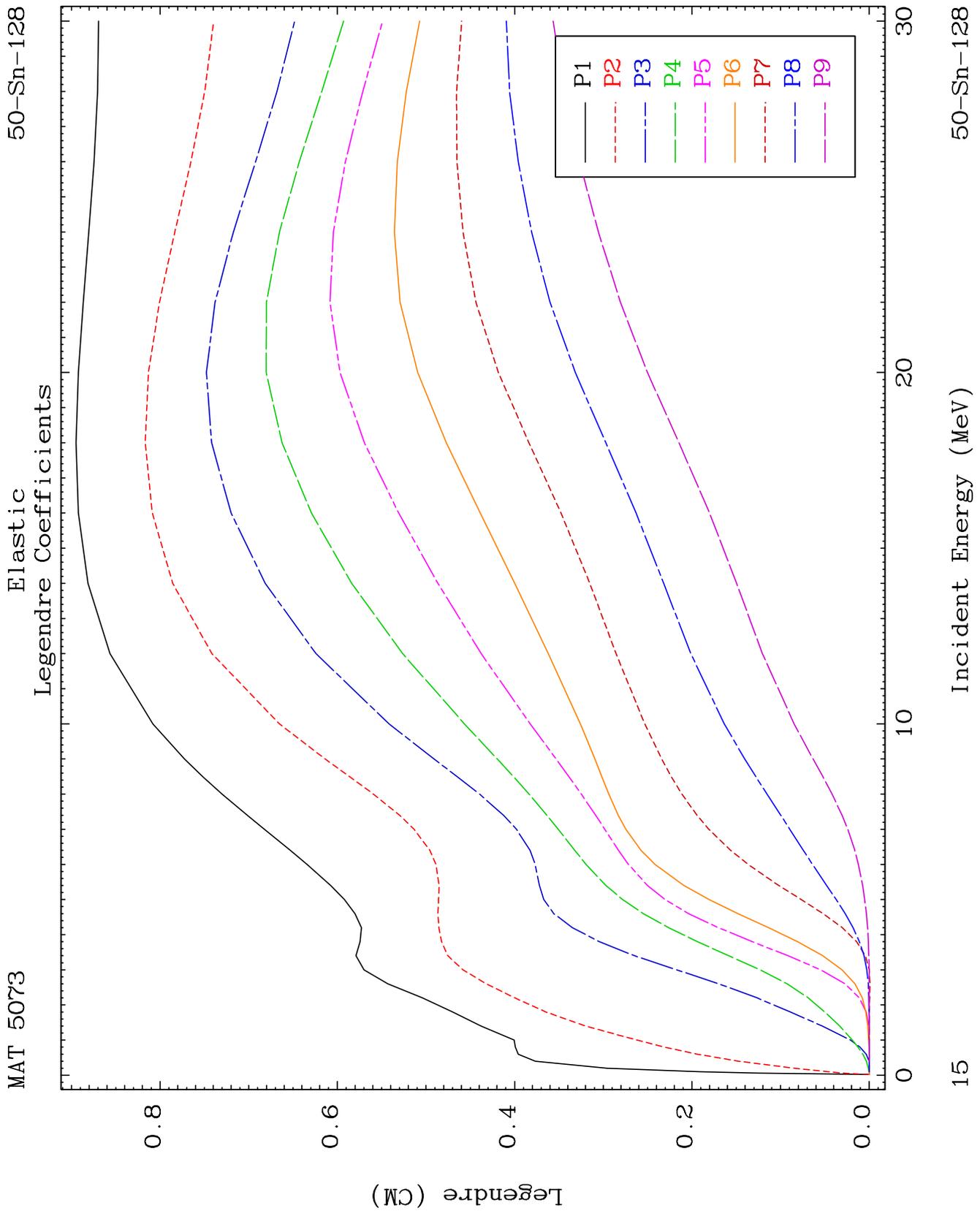


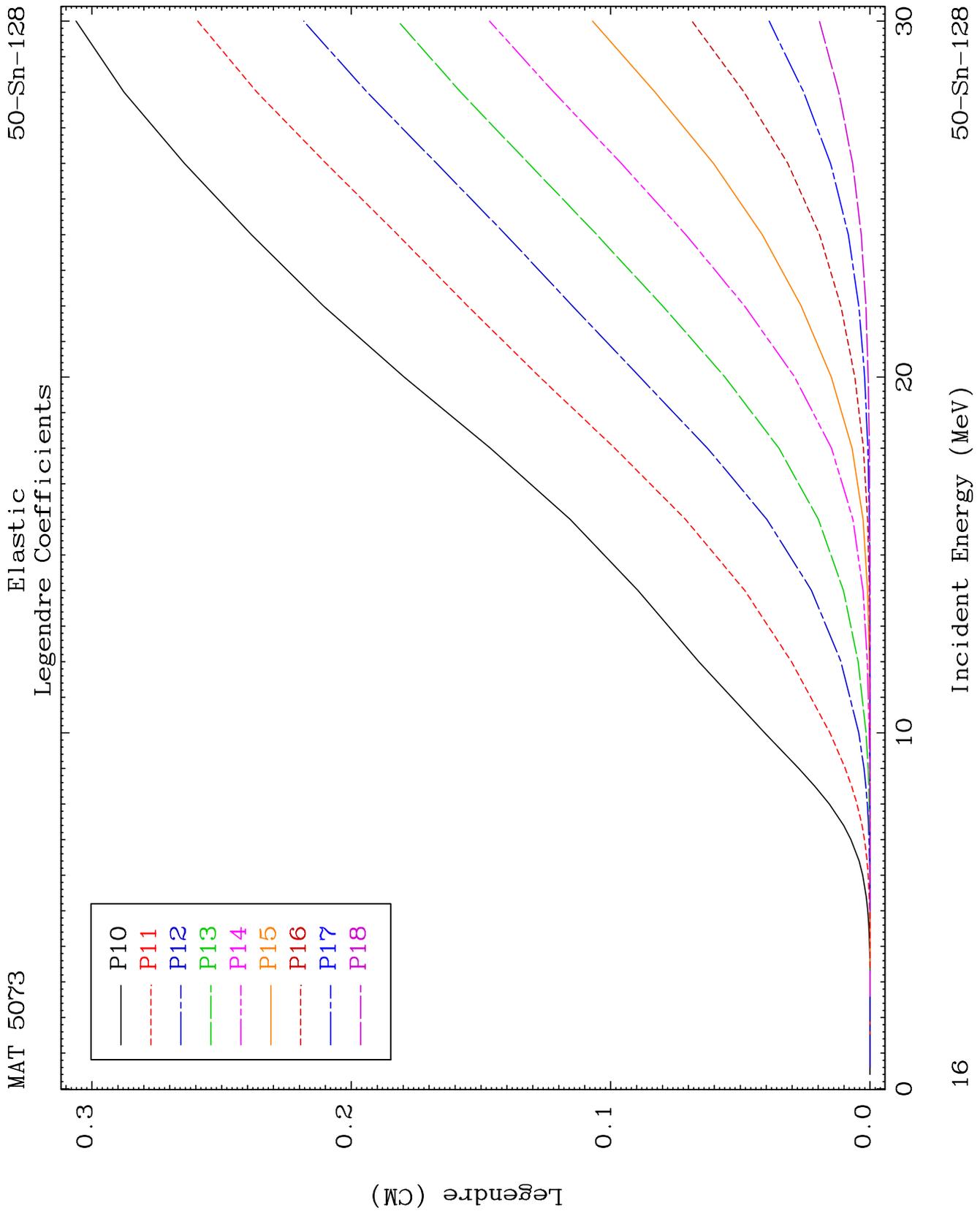
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Incident Energy (MeV)

50-Sn-128



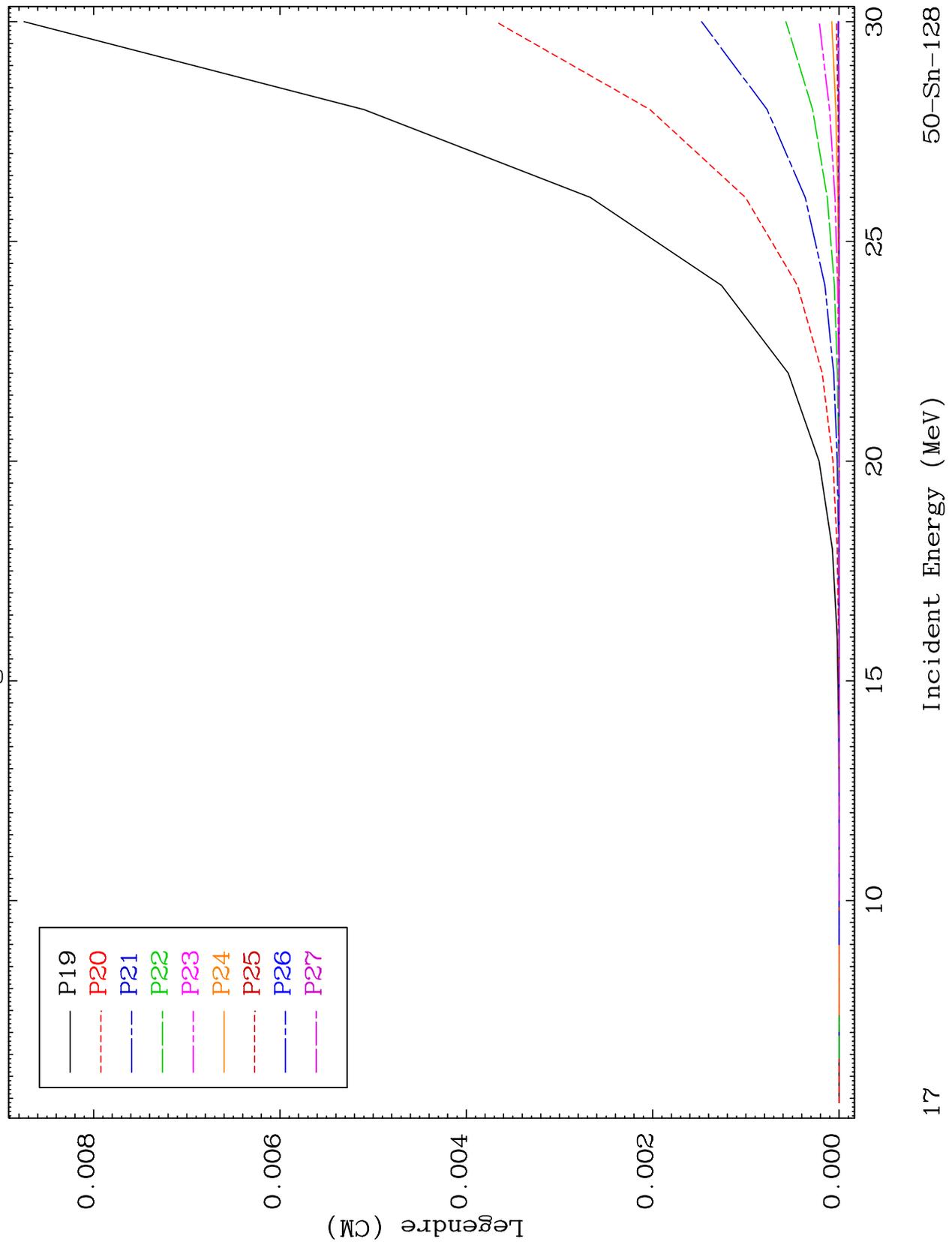




MAT 5073

Elastic Legendre Coefficients

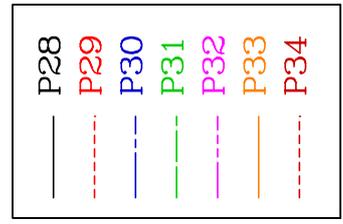
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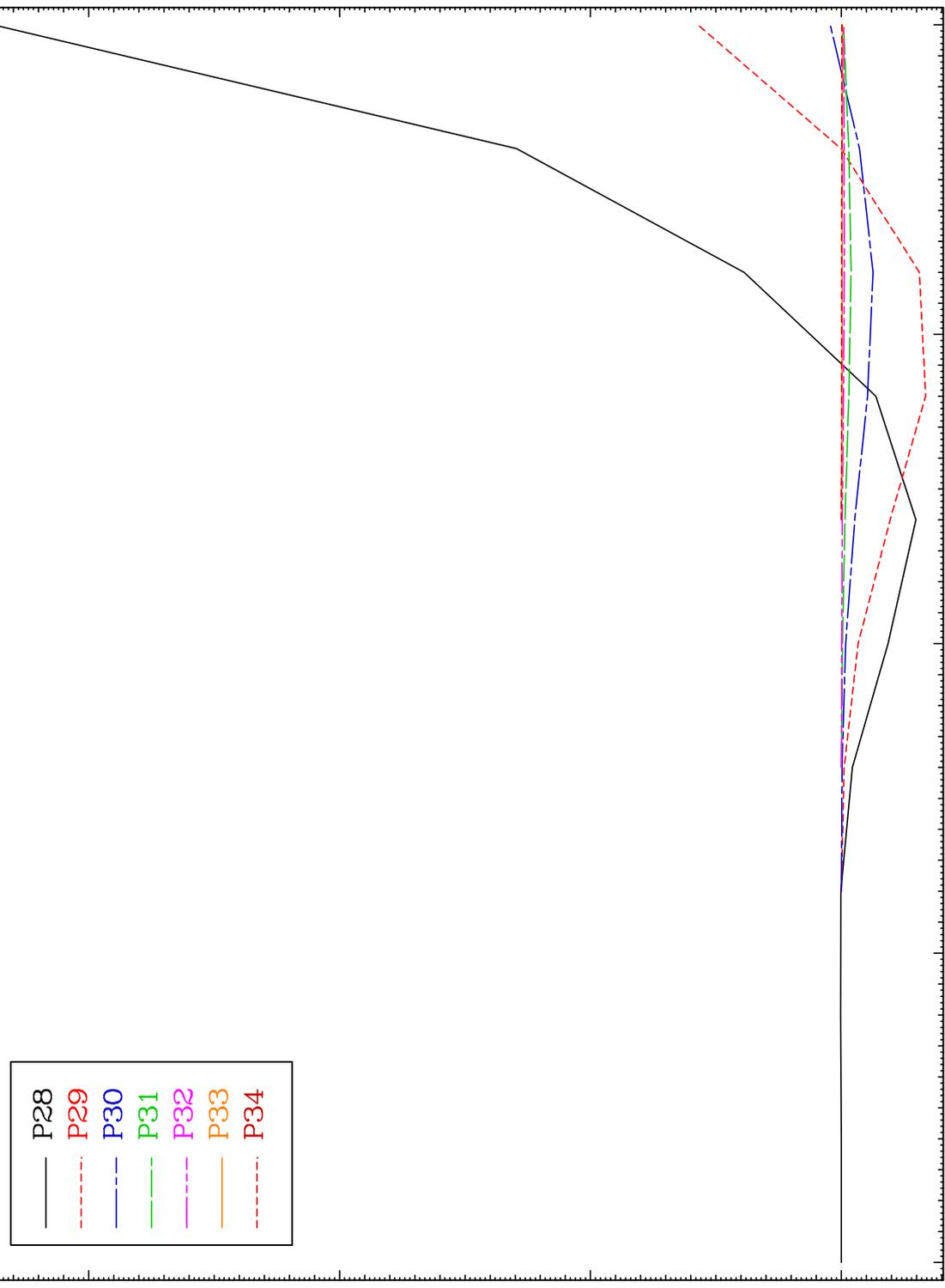
MAT 5073

Elastic
Legendre Coefficients

50-Sn-128



$\times 10^{-7}$



10

15

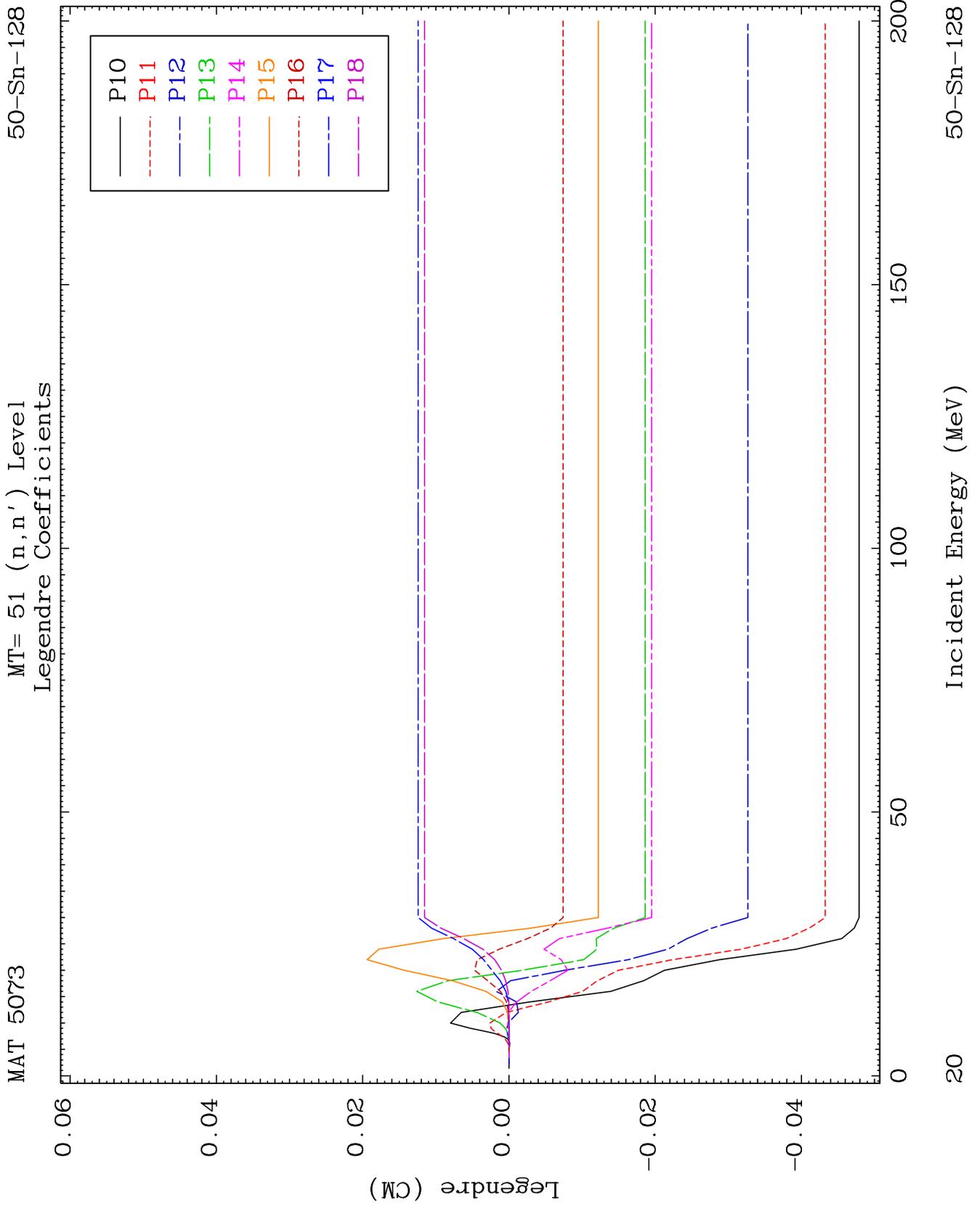
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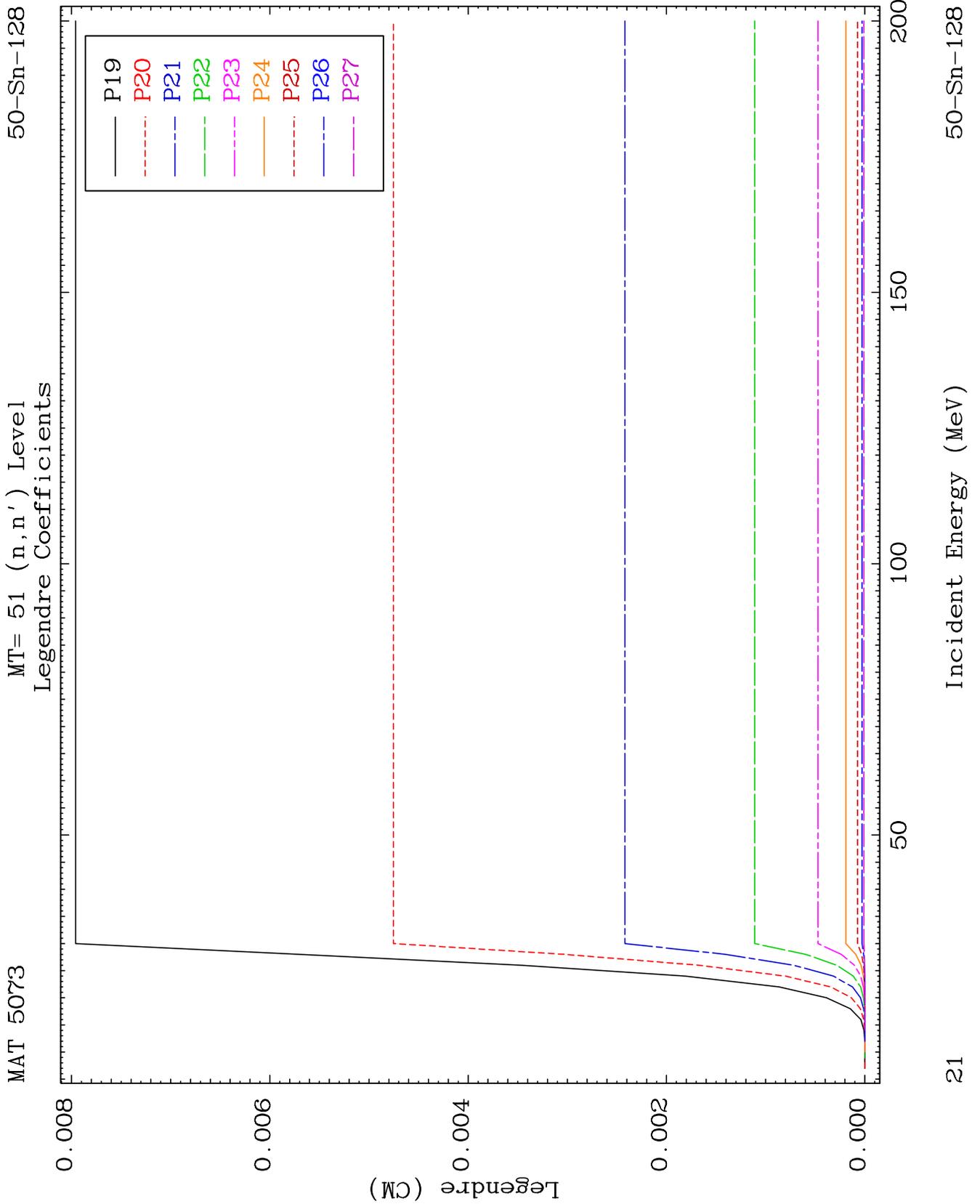
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Incident Energy (MeV)

50-Sn-128

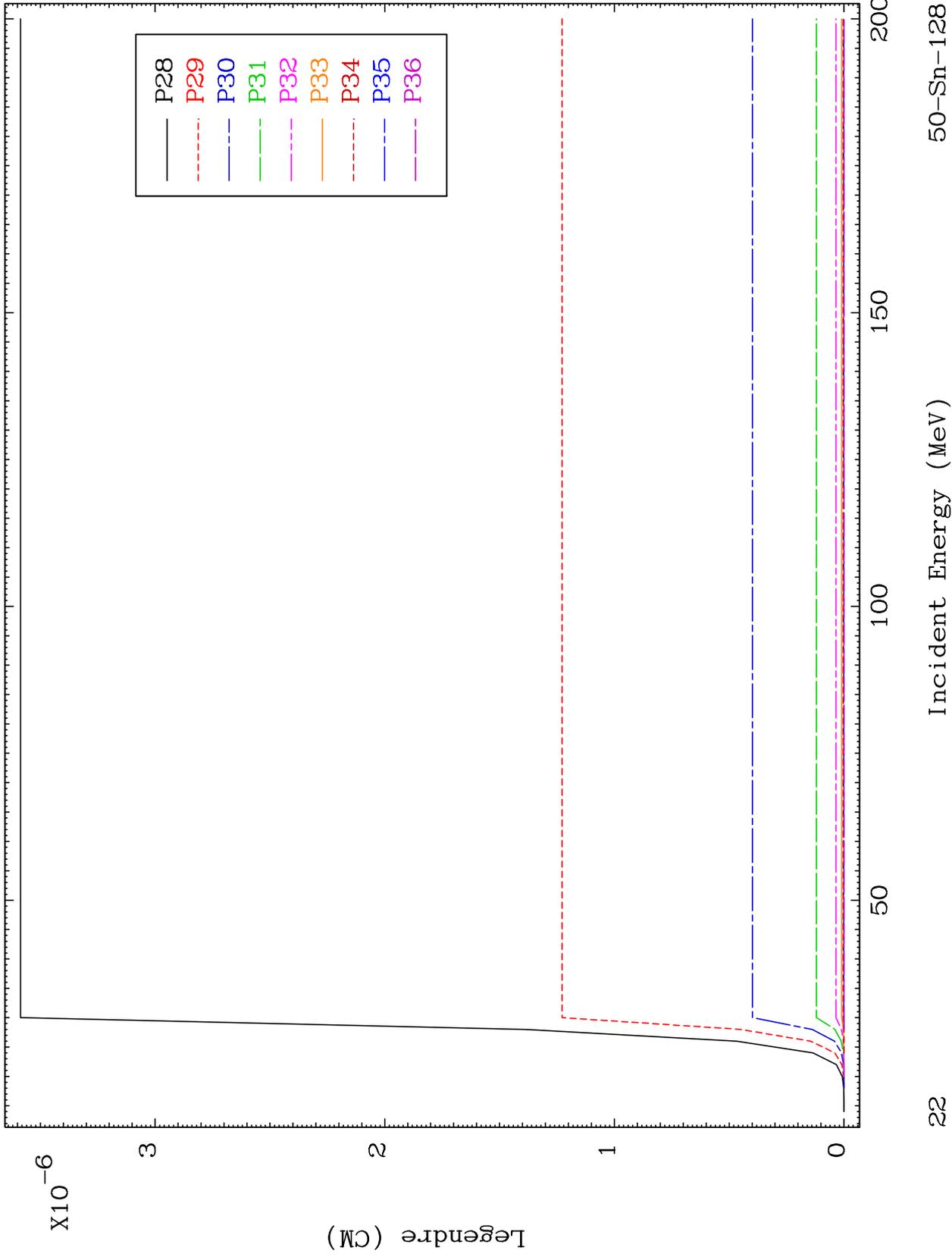




MAT 5073

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

50-Sn-128

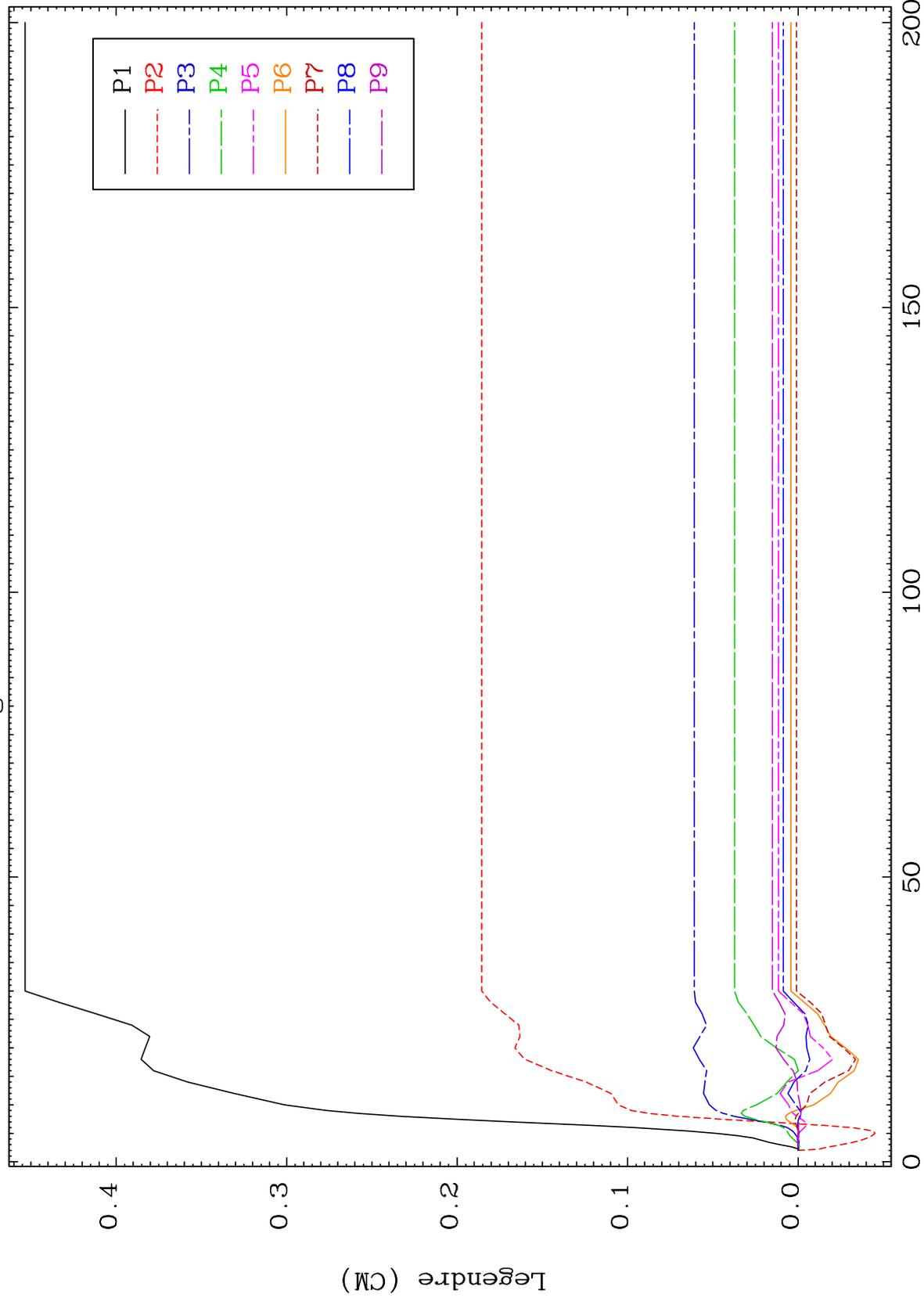


22

MAT 5073

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

50-Sn-128



23

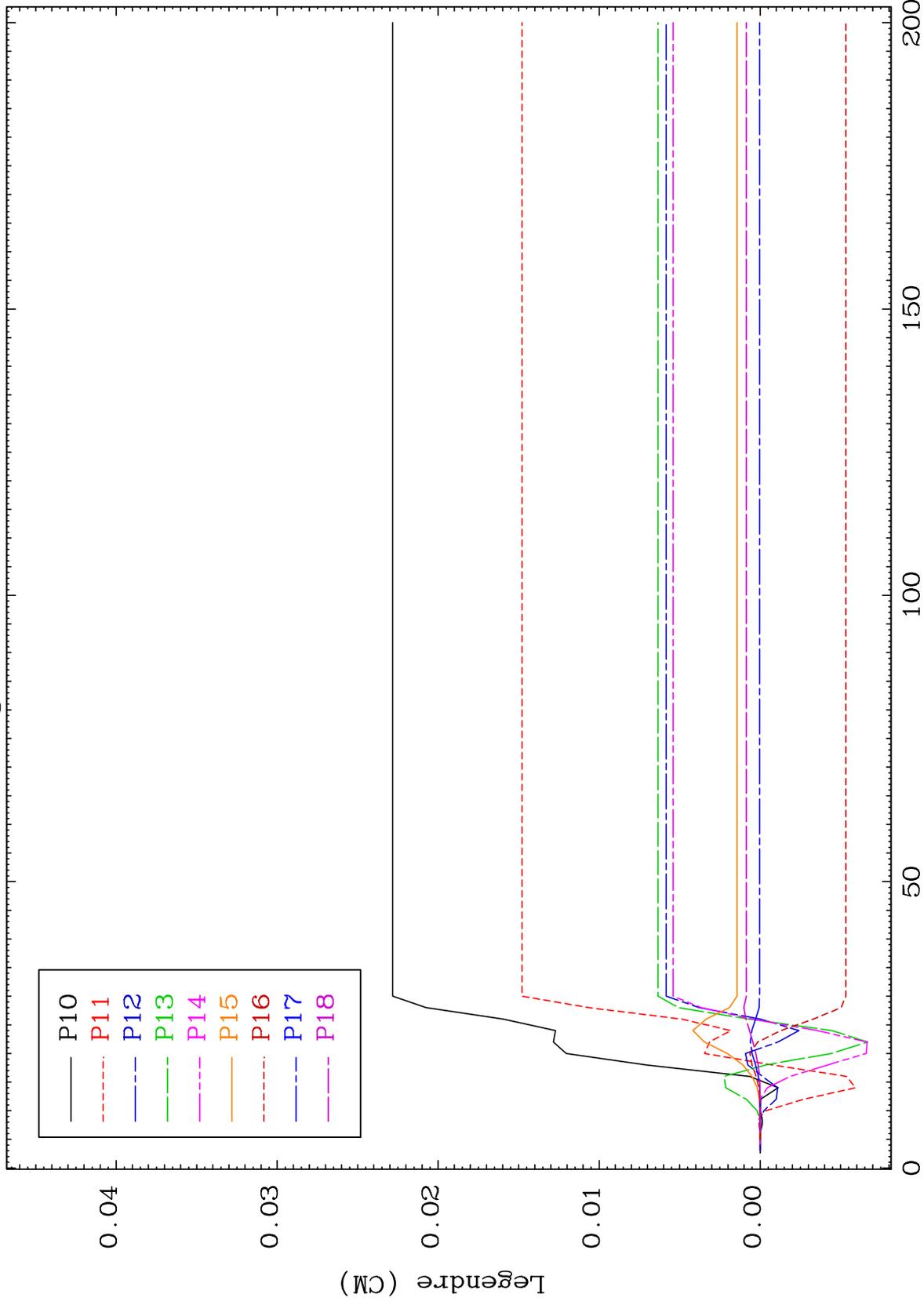
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



24

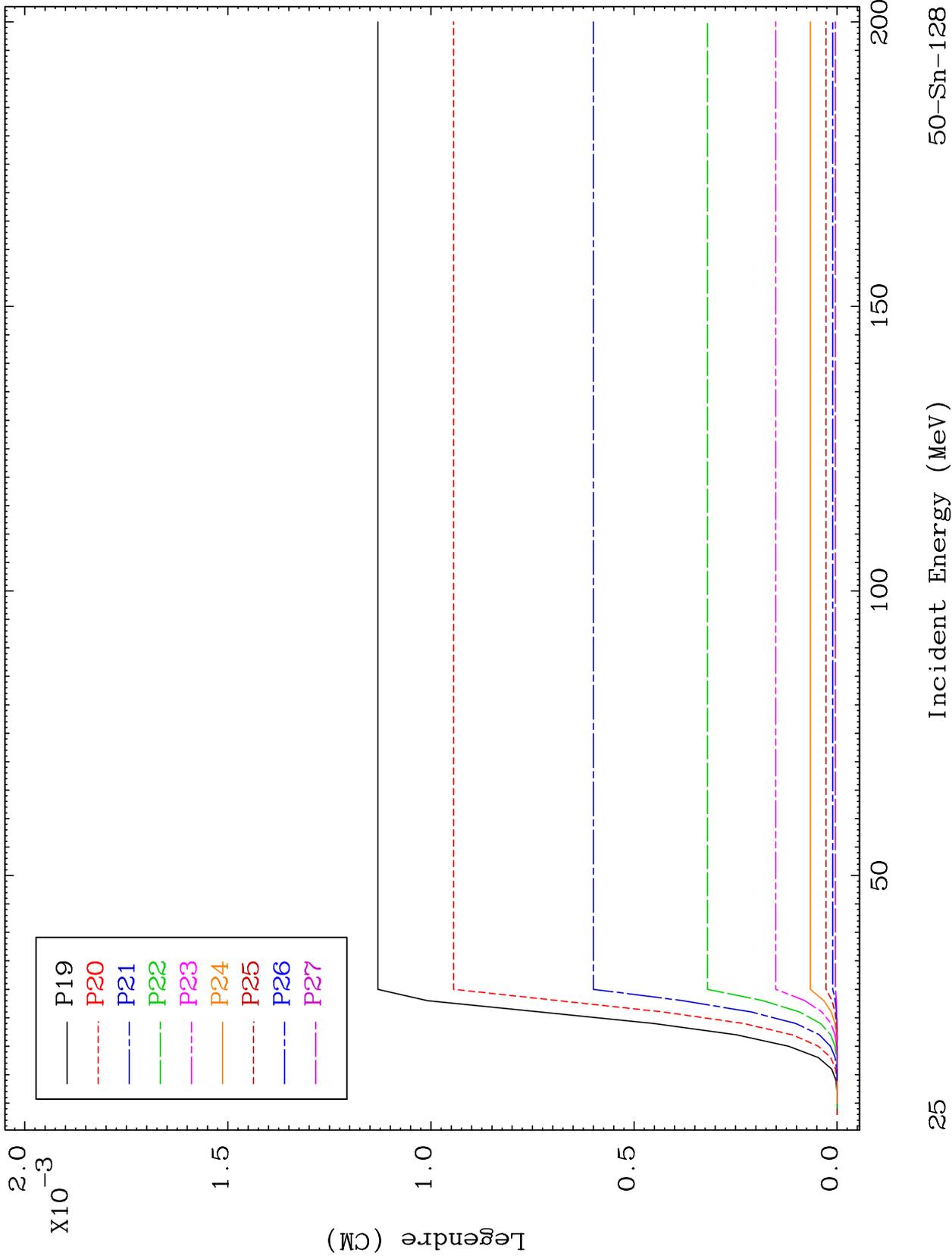
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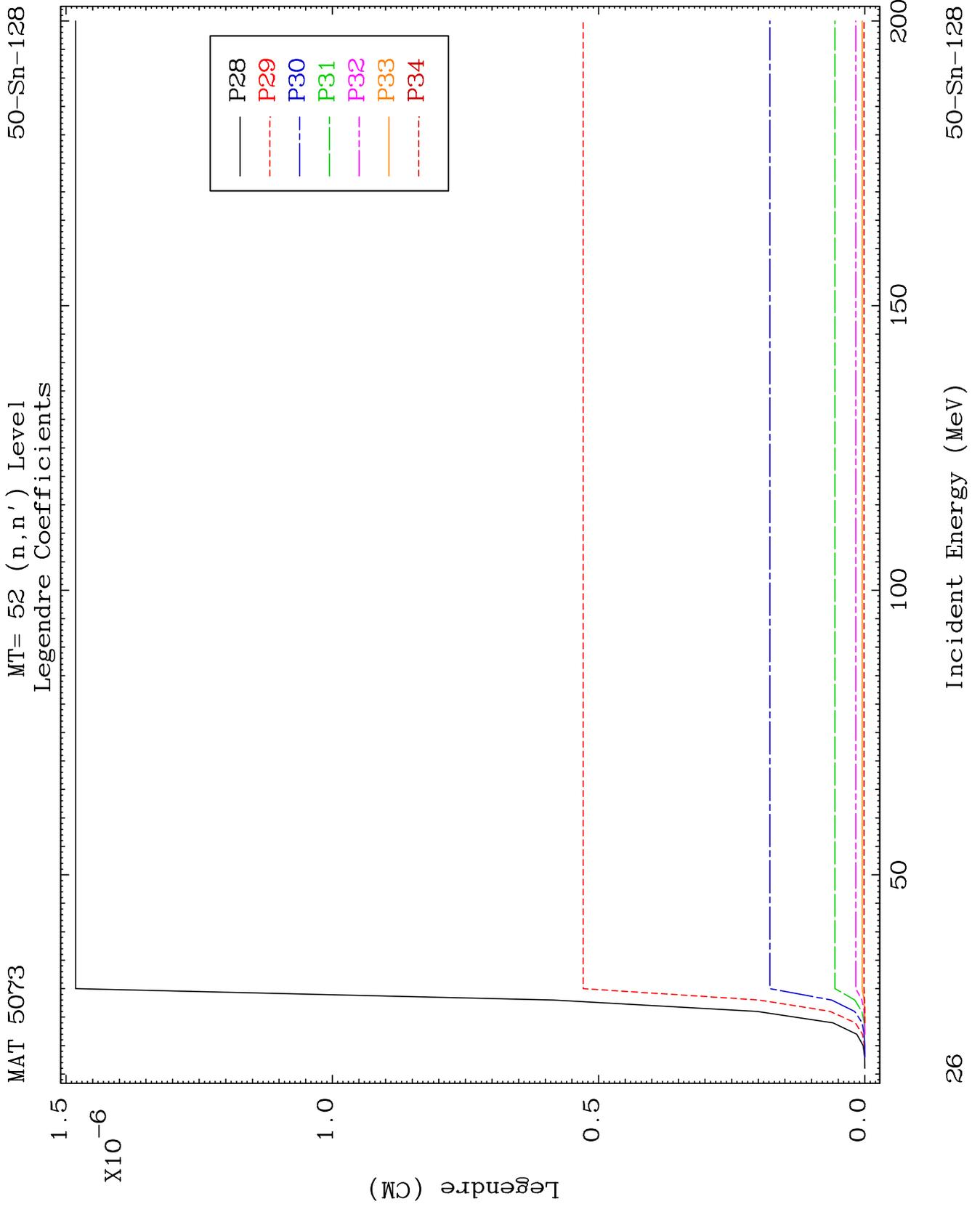
50-Sn-128

MAT 5073

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

50-Sn-128

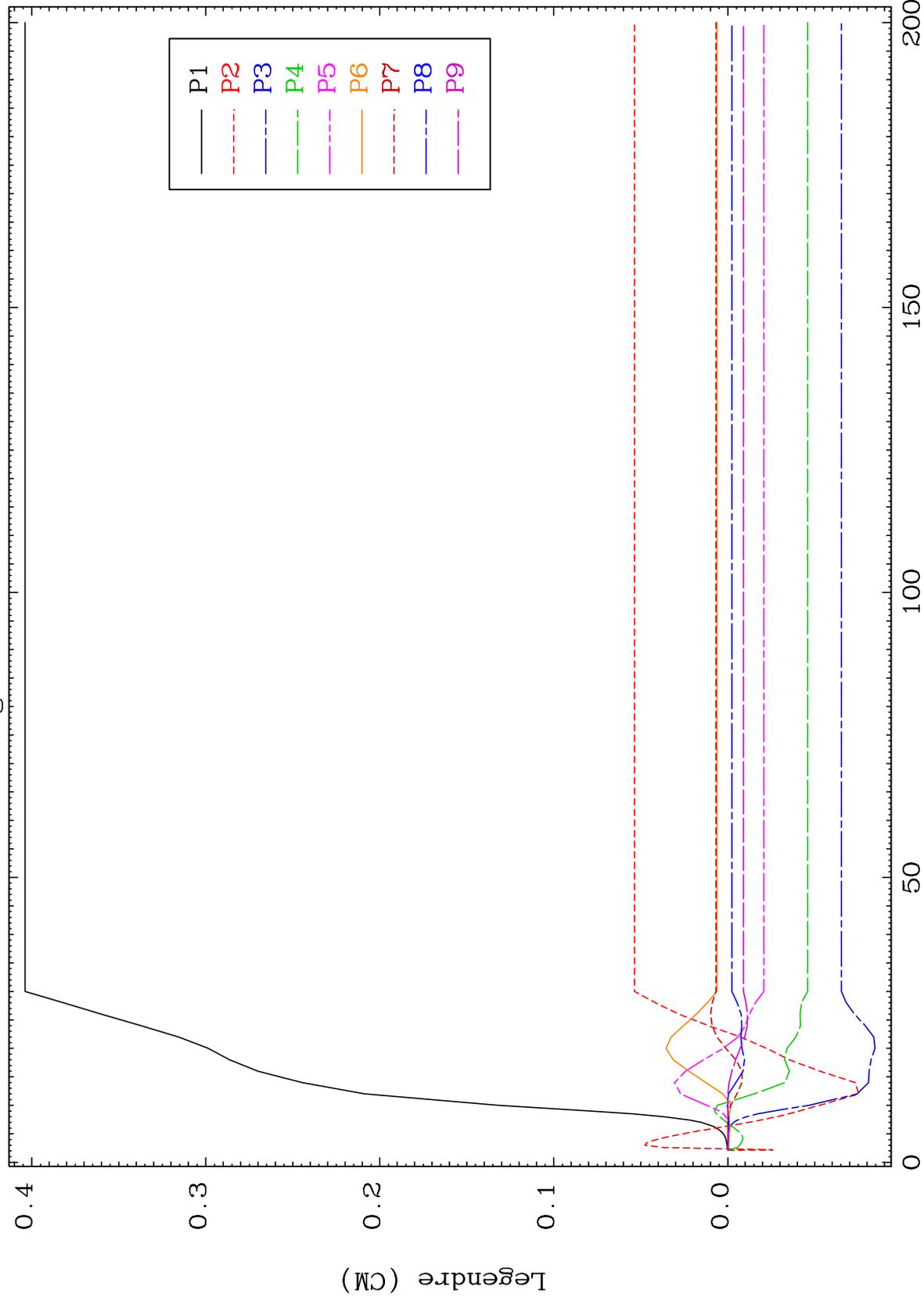




MAT 5073

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

50-Sn-128



27

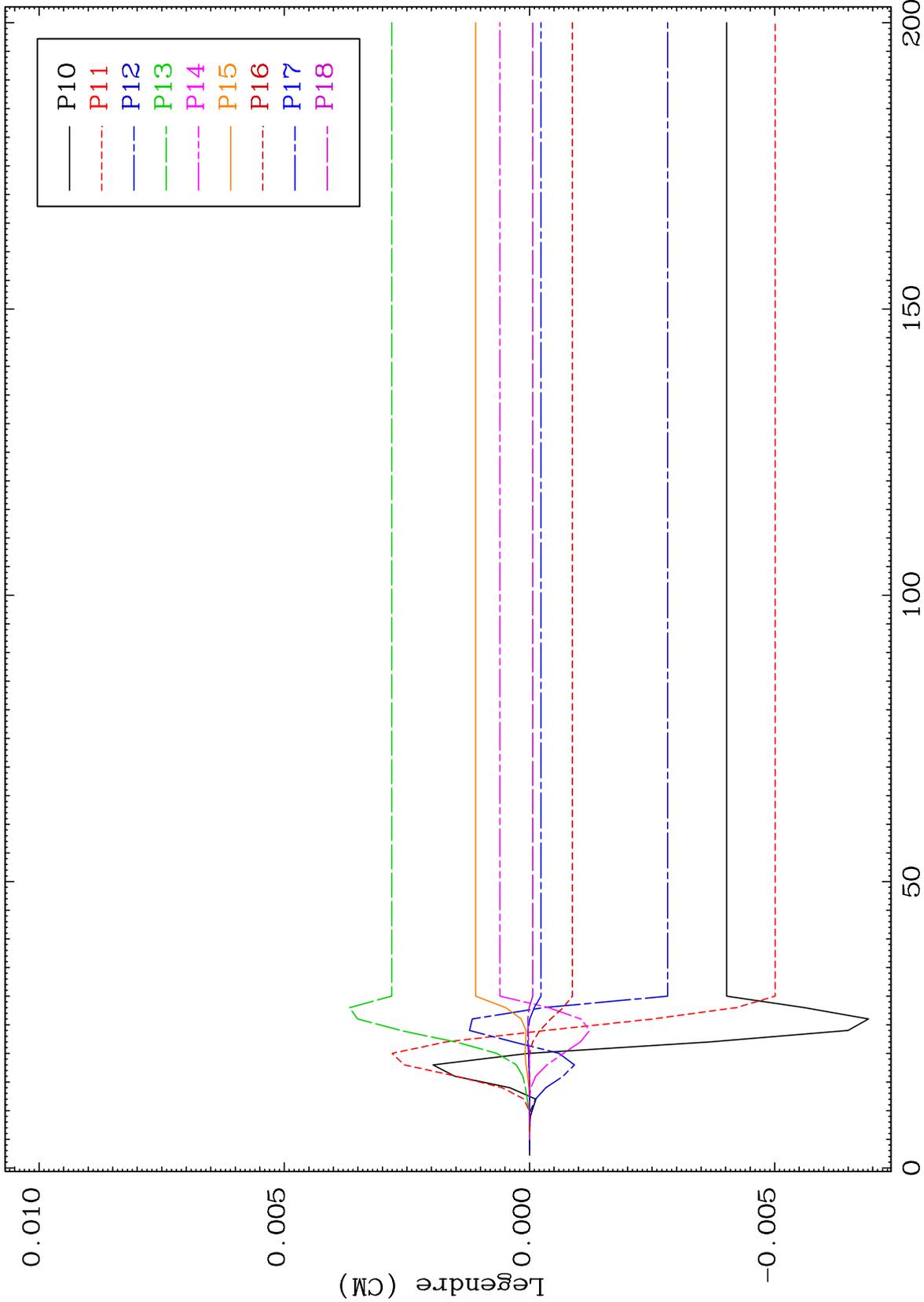
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

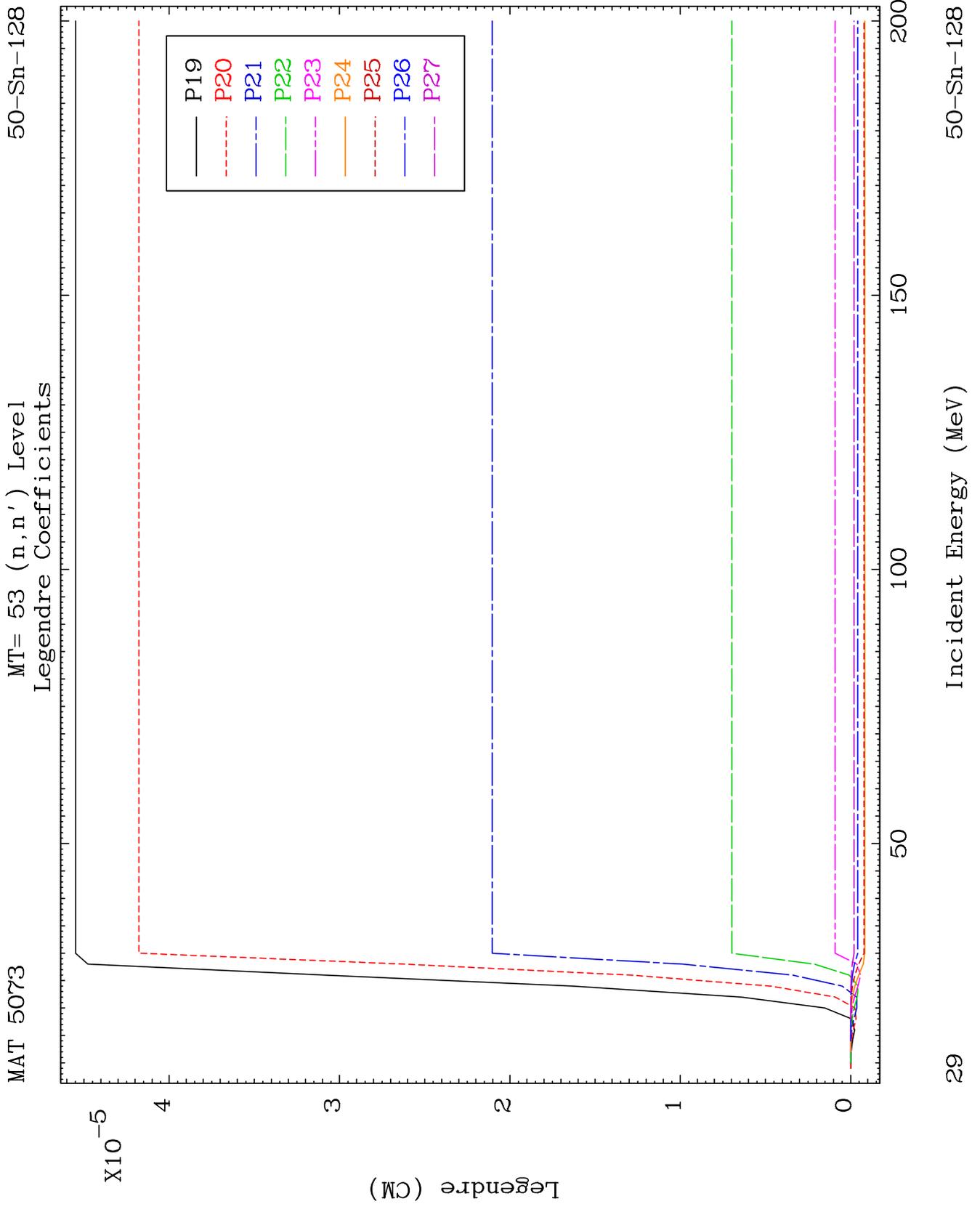
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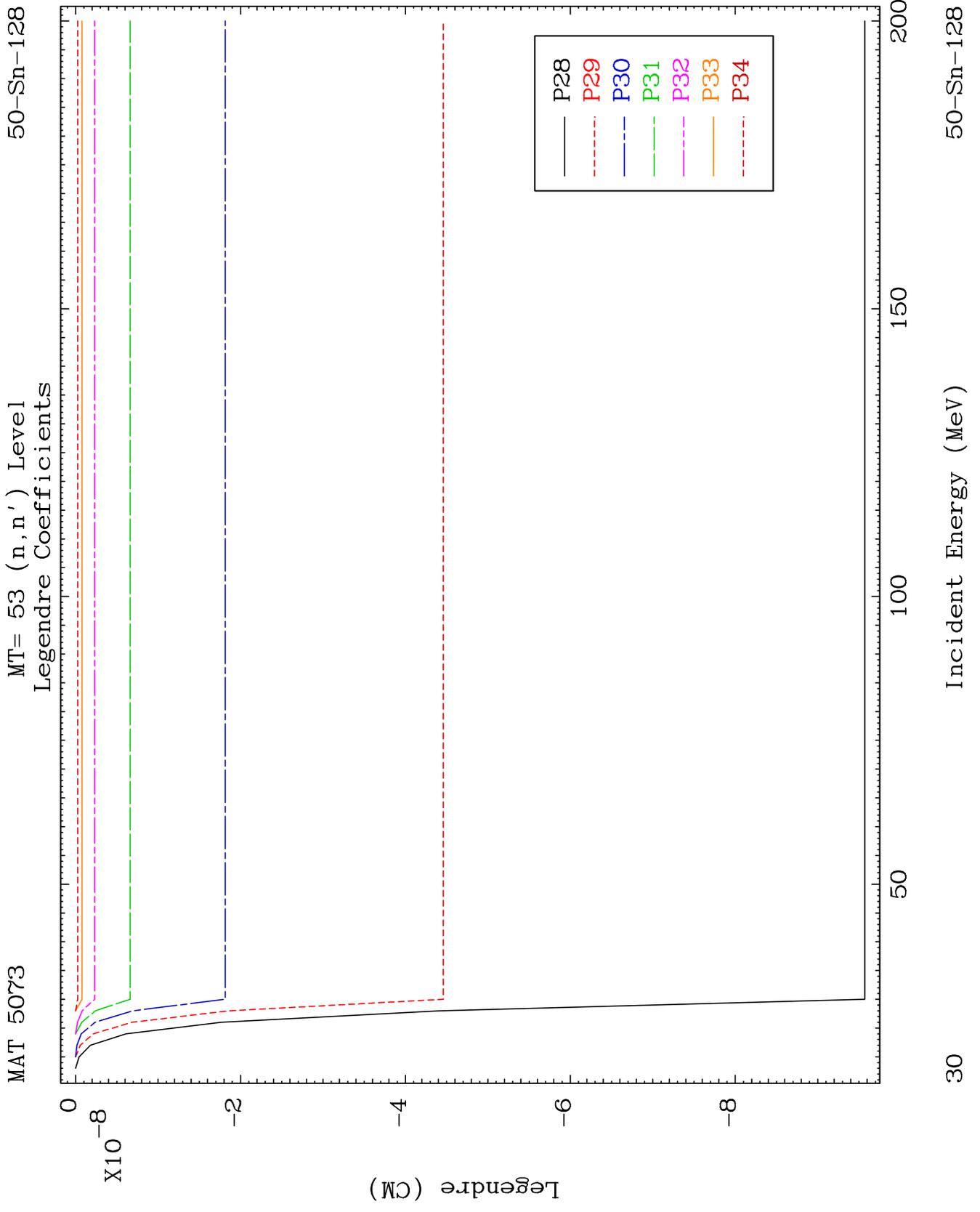


28

Incident Energy (MeV)

50-Sn-128

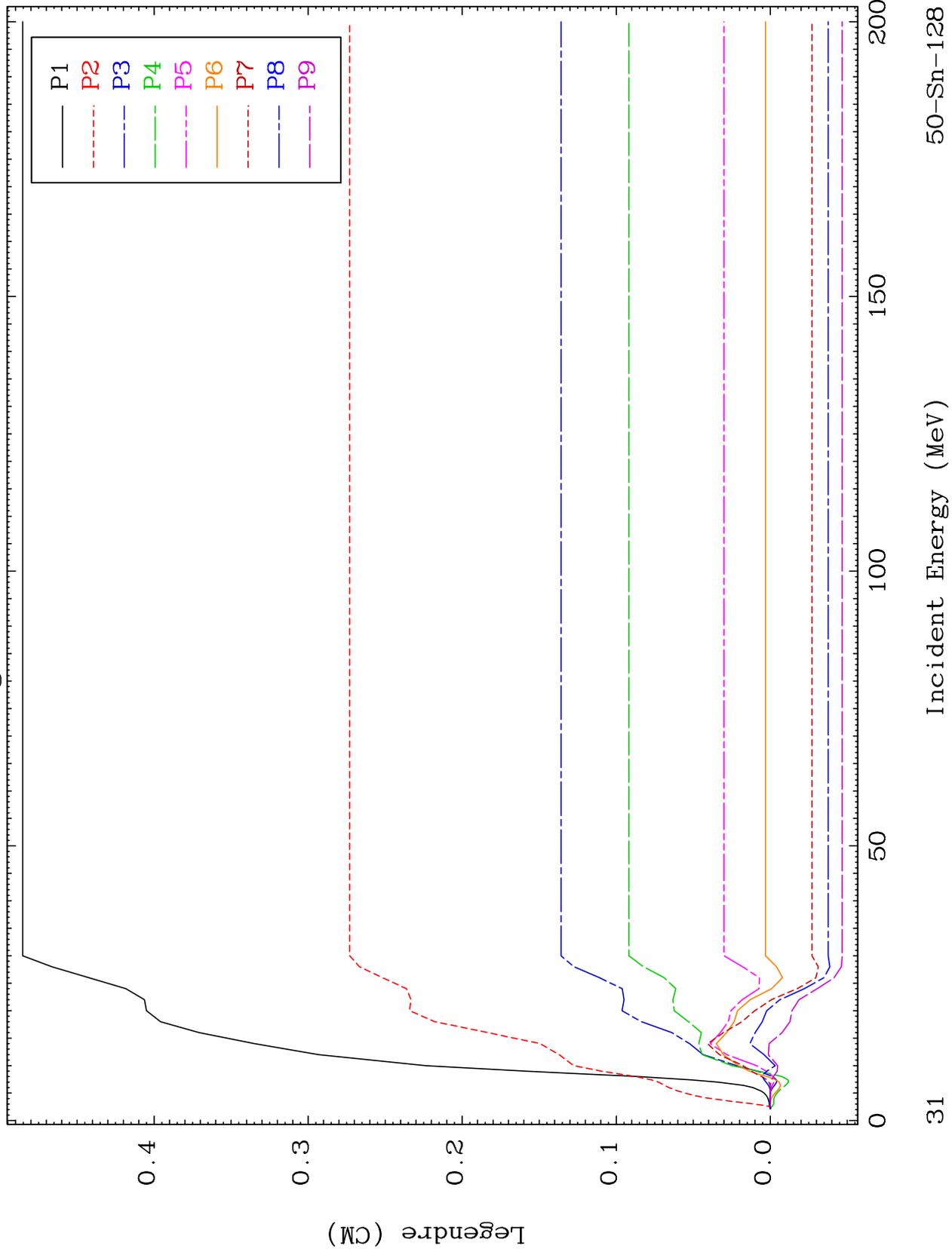




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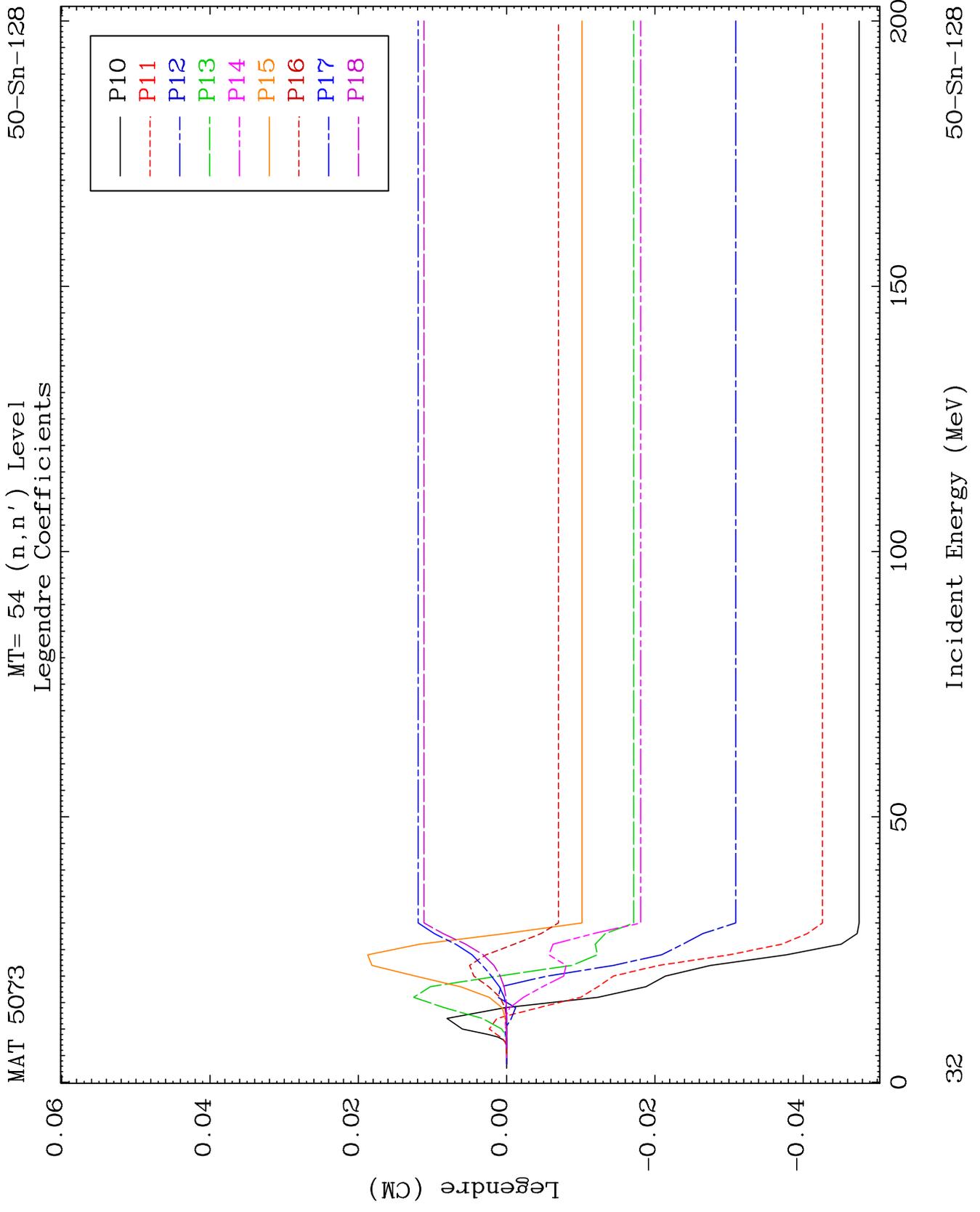
MT= 54 (n,n') Level
Legendre Coefficients

50-Sn-128



31

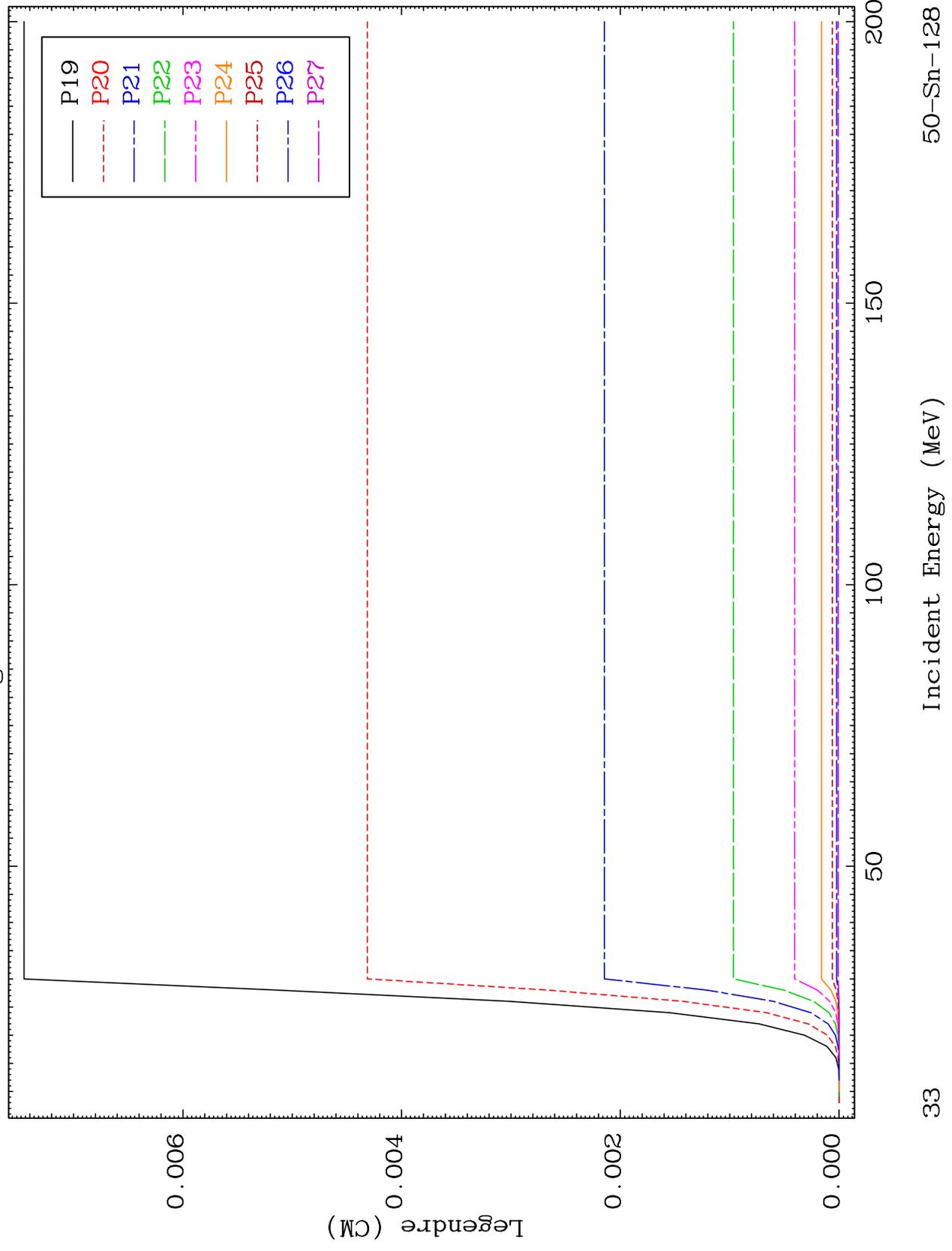
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MAT 5073

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

50-Sn-128



33

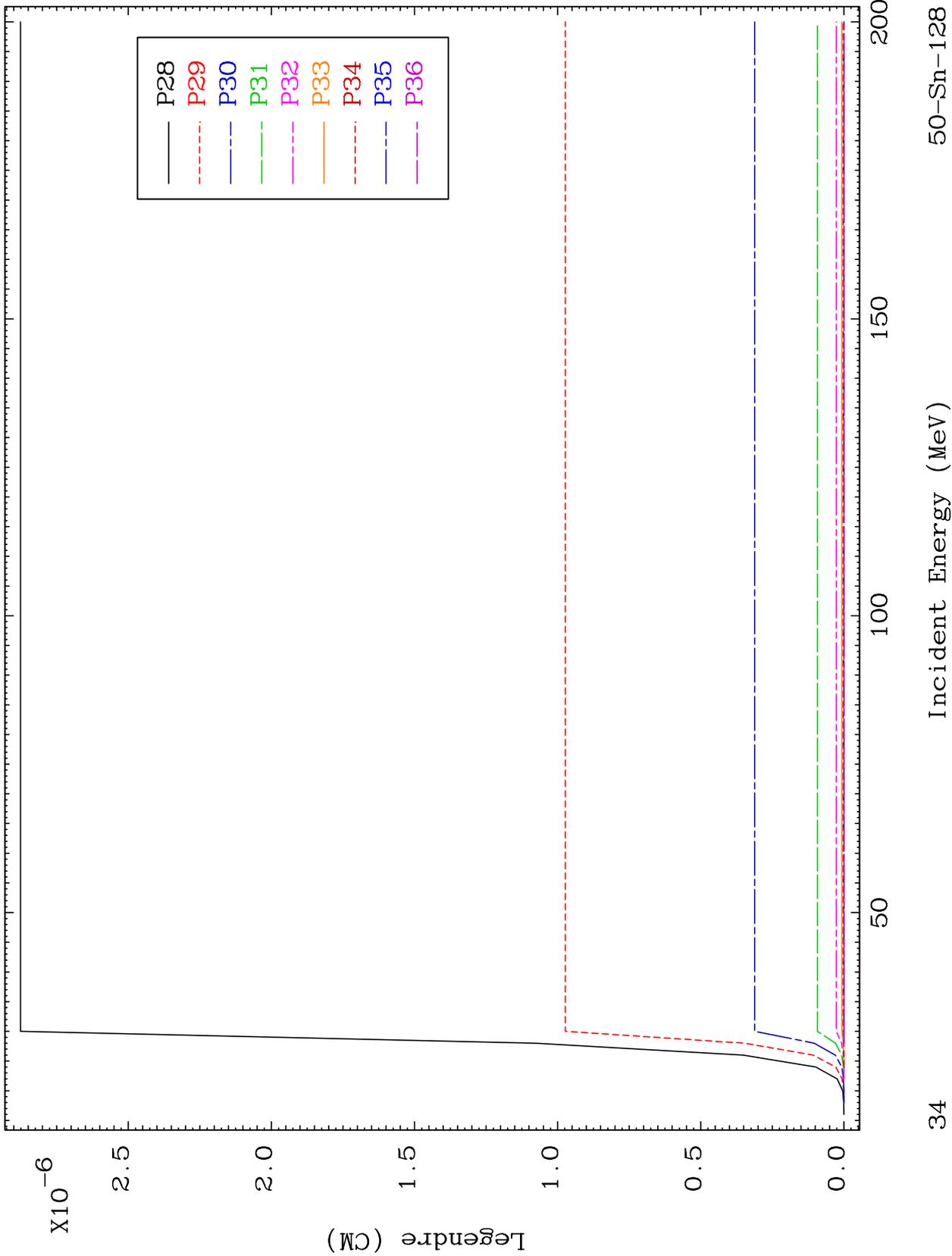
Incident Energy (MeV)

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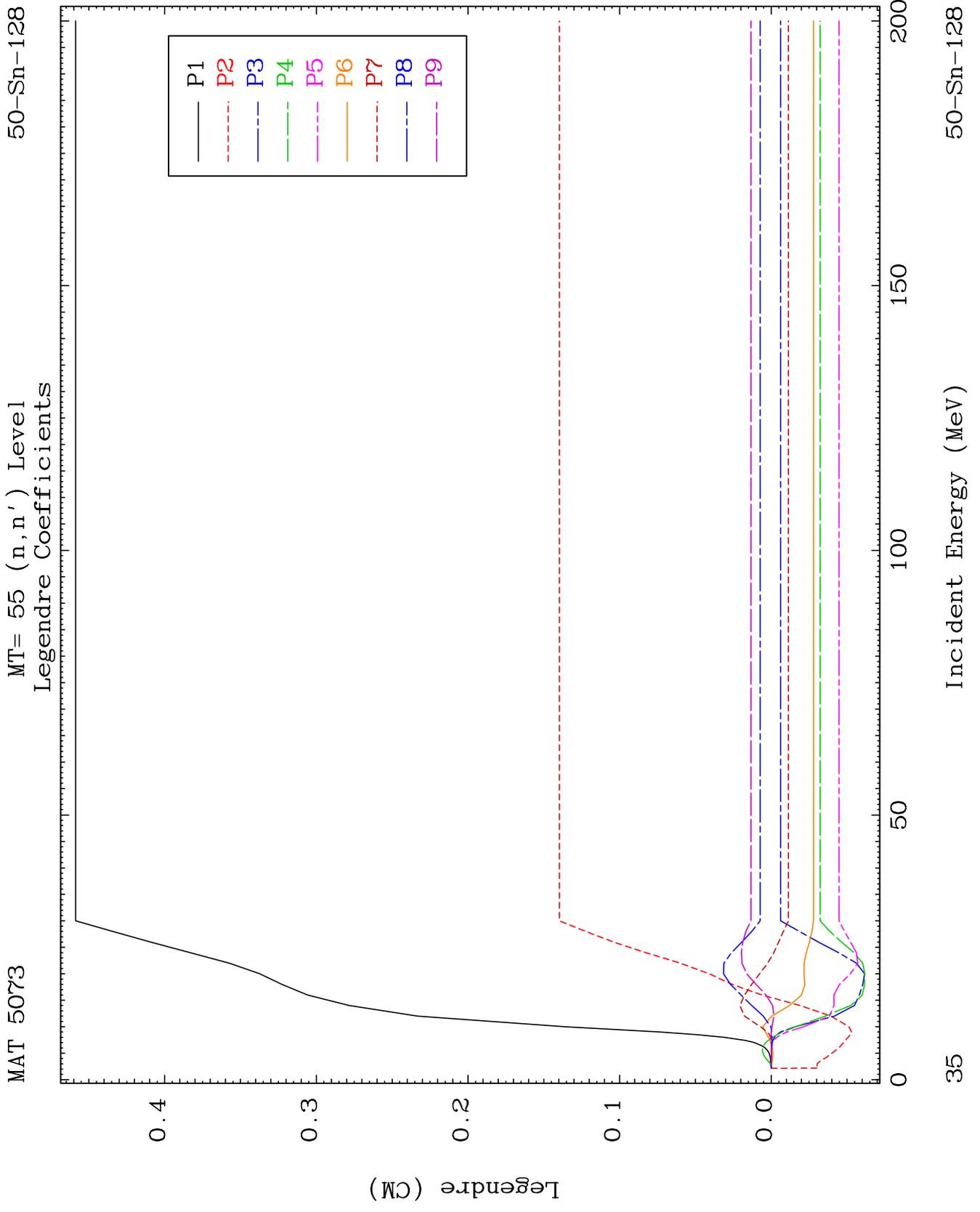
MAT 5073

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

50-Sn-128



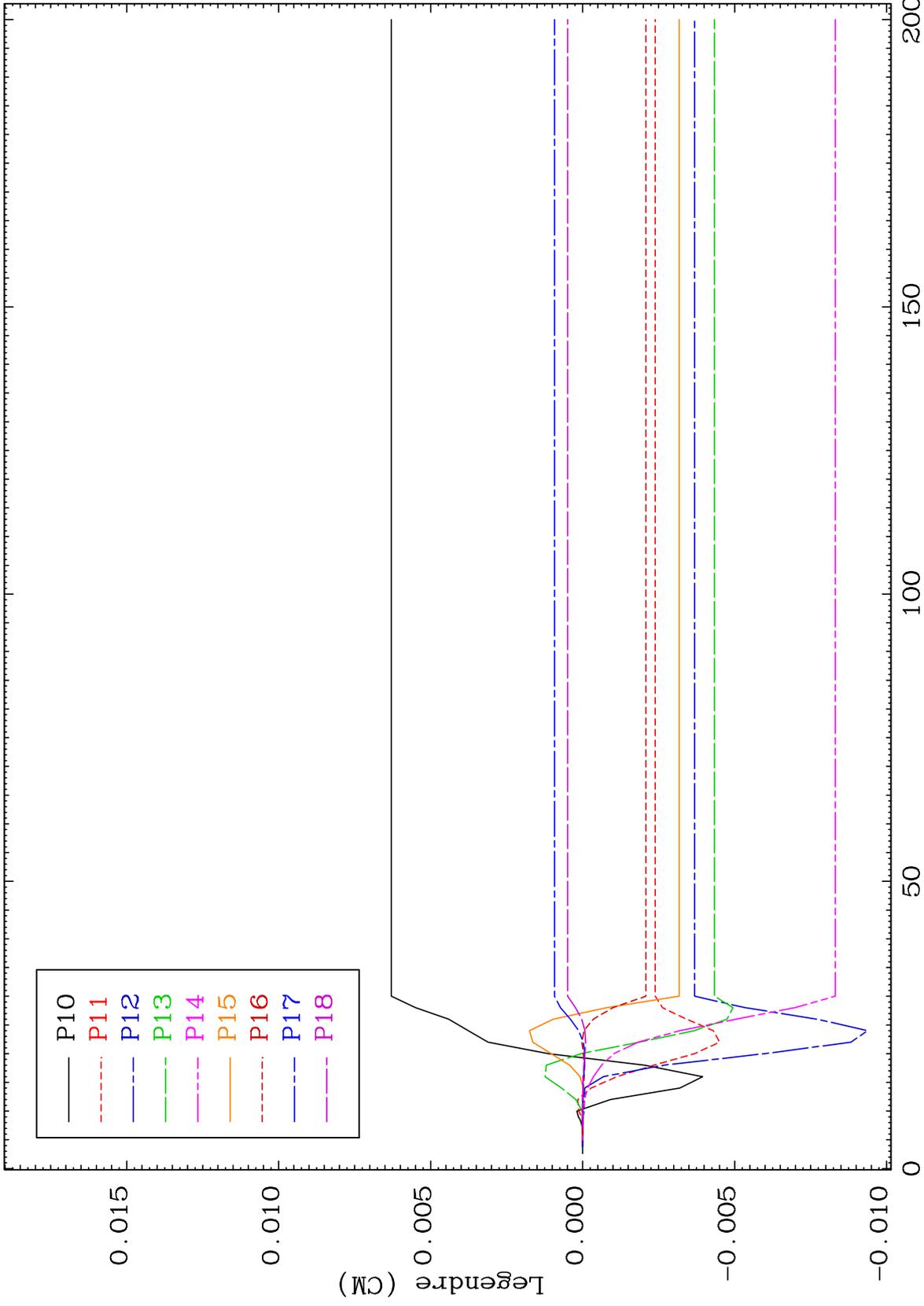
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MAT 5073

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

50-Sn-128



36

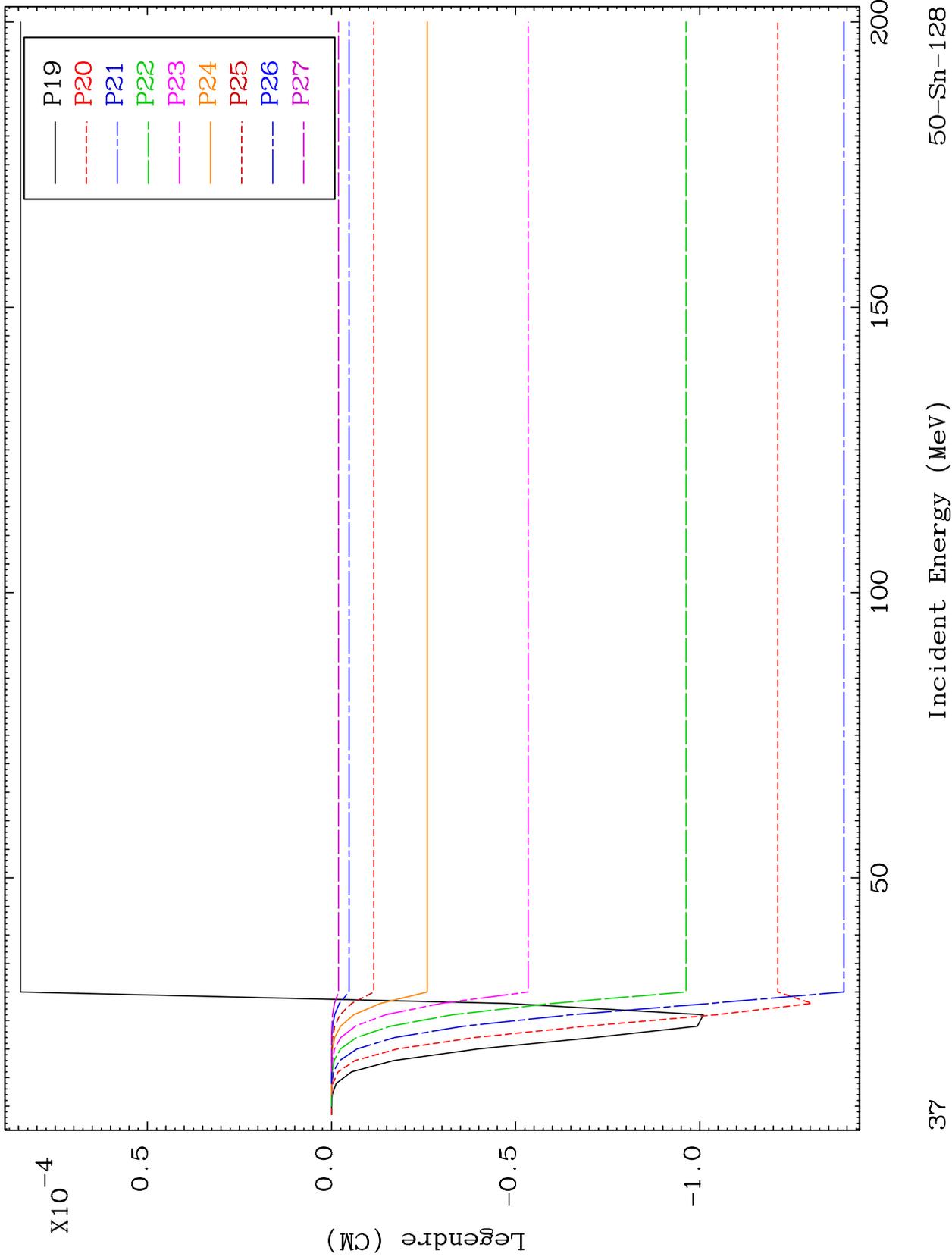
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

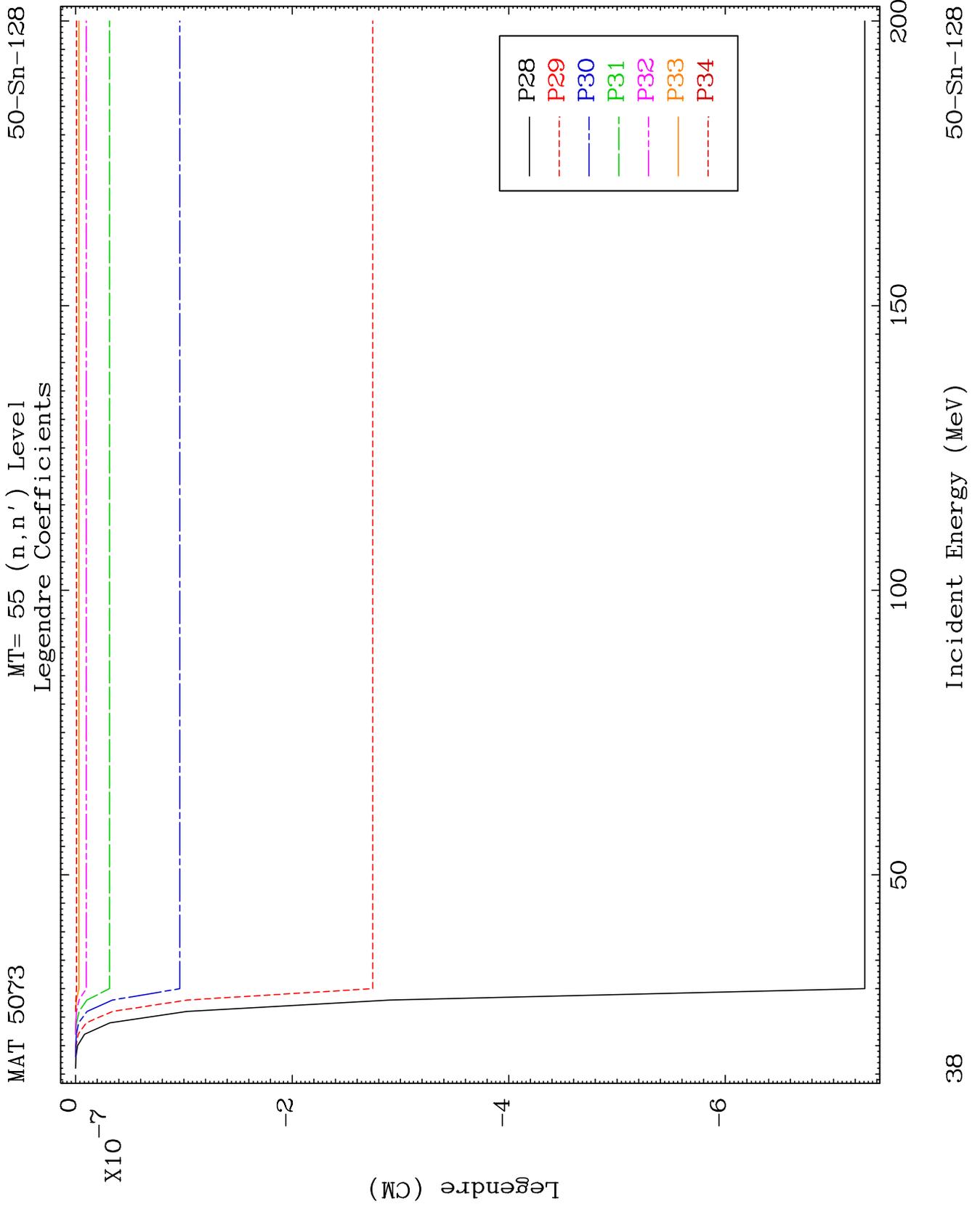
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37

Incident Energy (MeV)

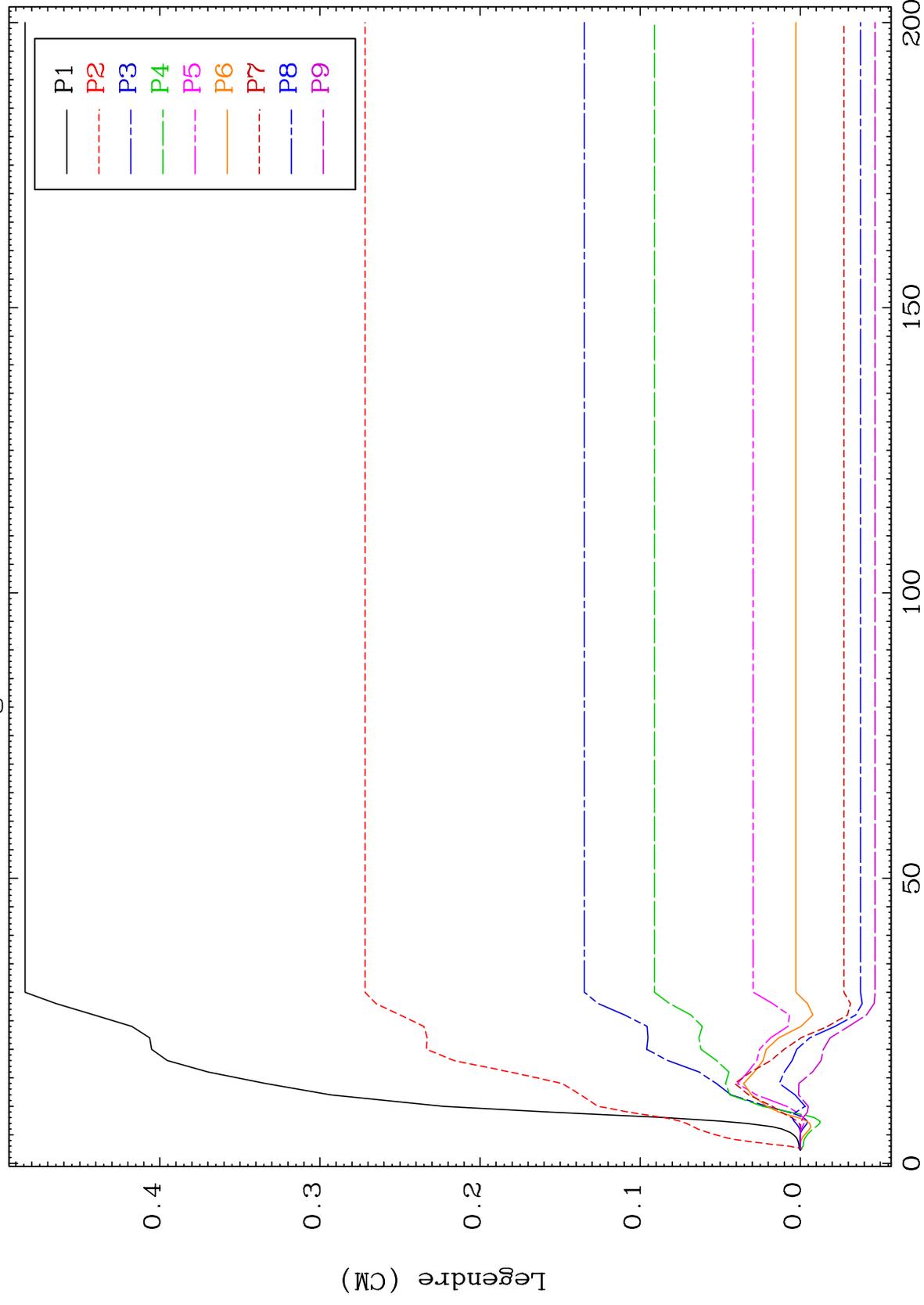
50-Sn-128



MAT 5073

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

50-Sn-128



39

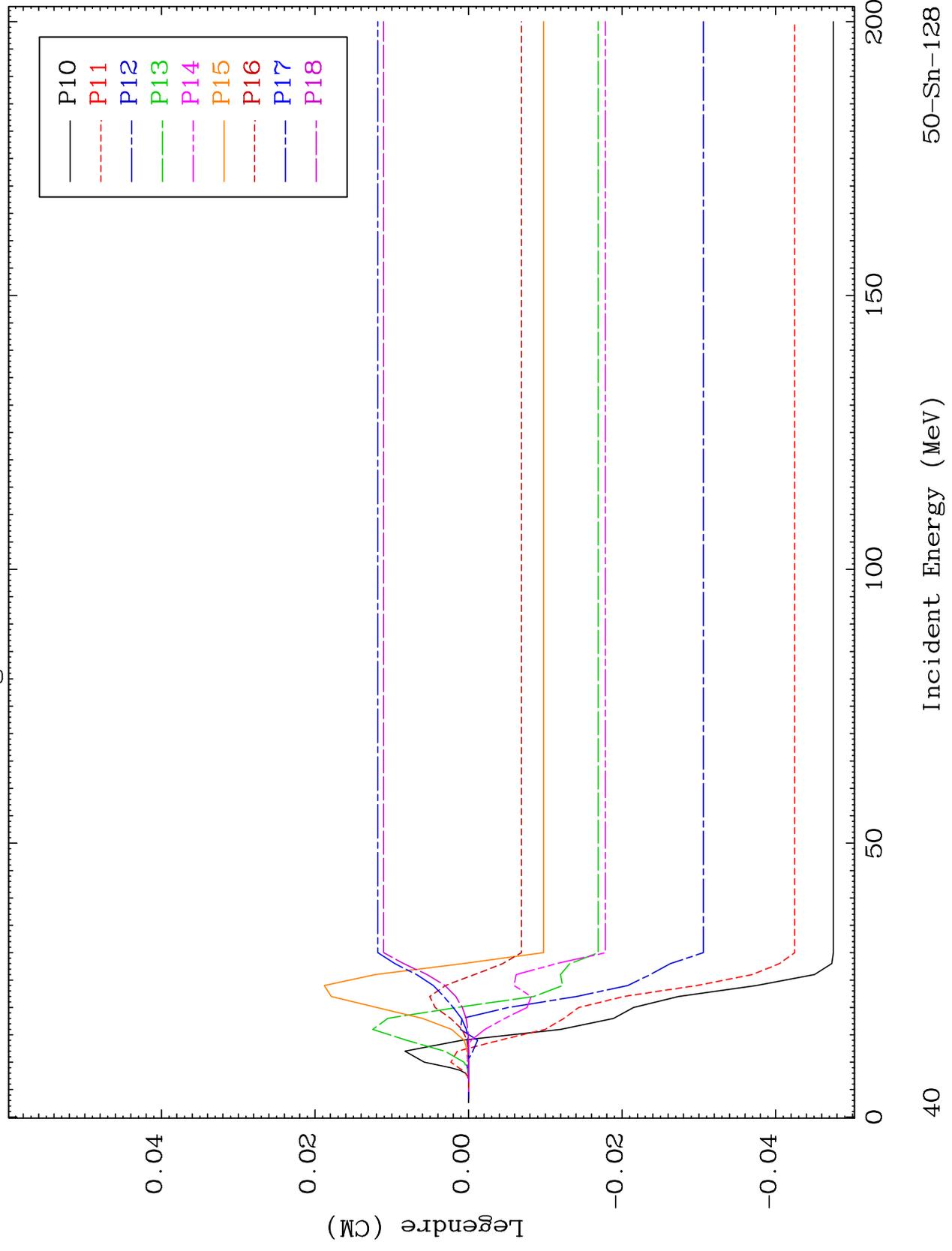
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

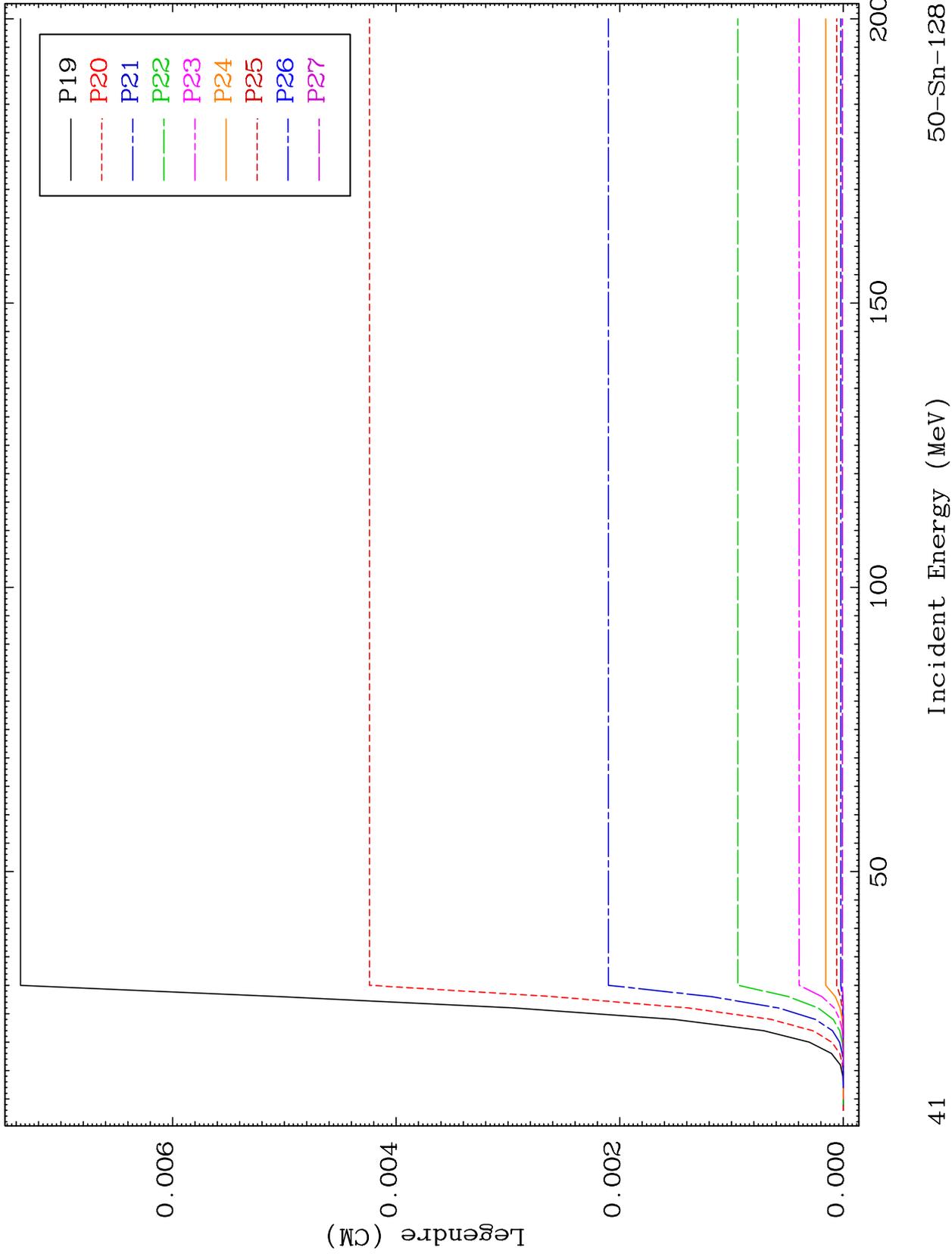
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MAT 5073

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

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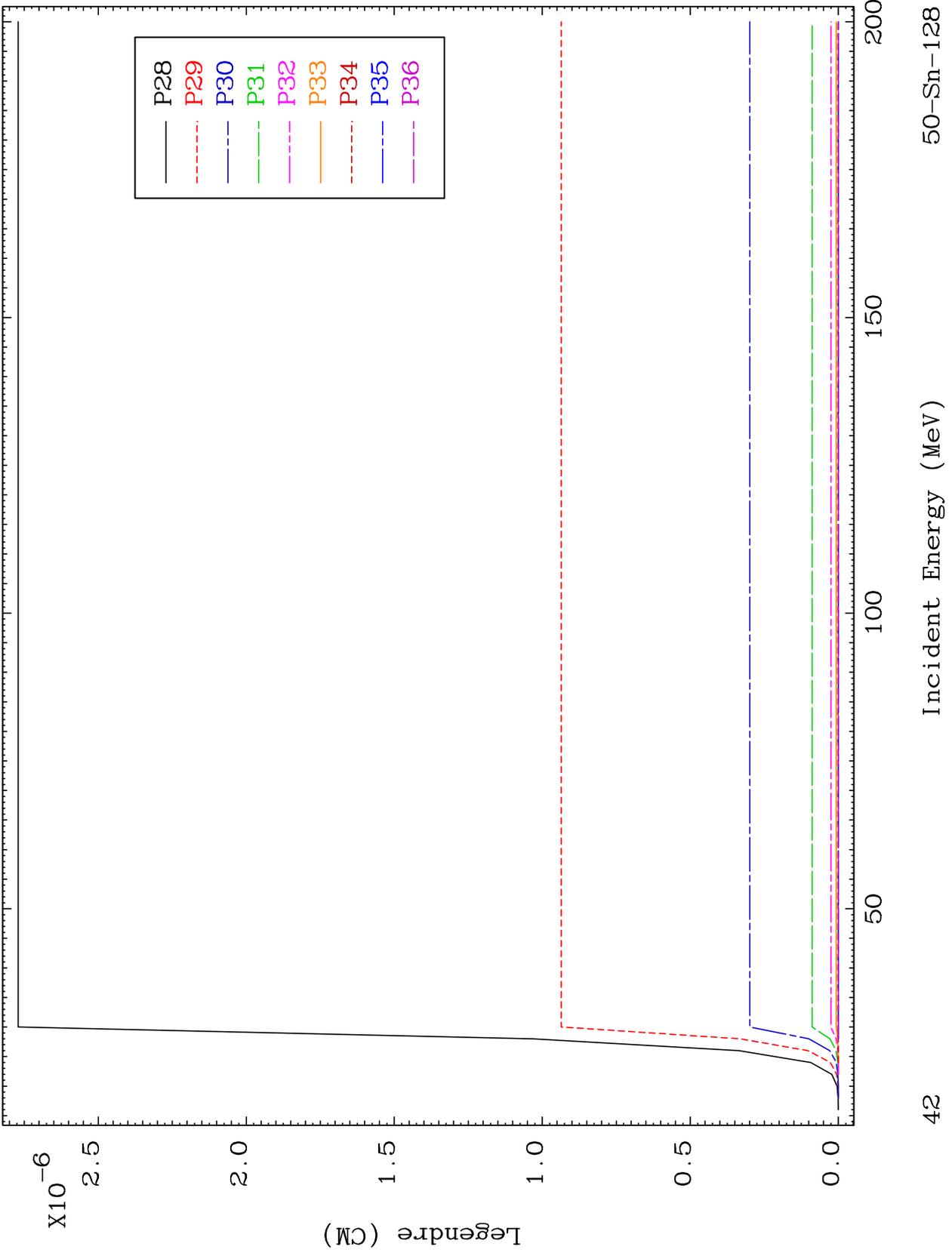
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50-Sn-128

MAT 5073

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

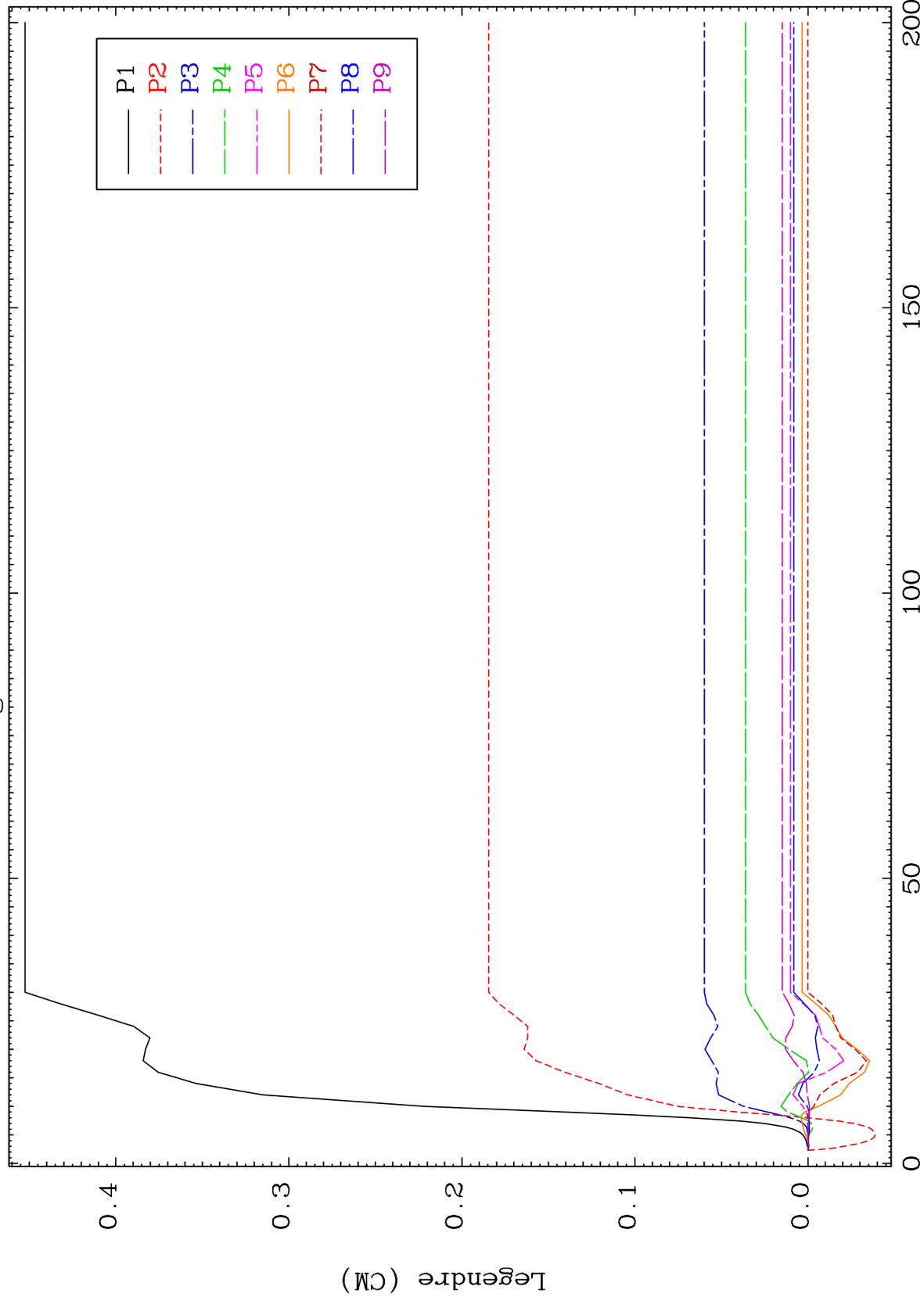
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MAT 5073

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

50-Sn-128



50-Sn-128

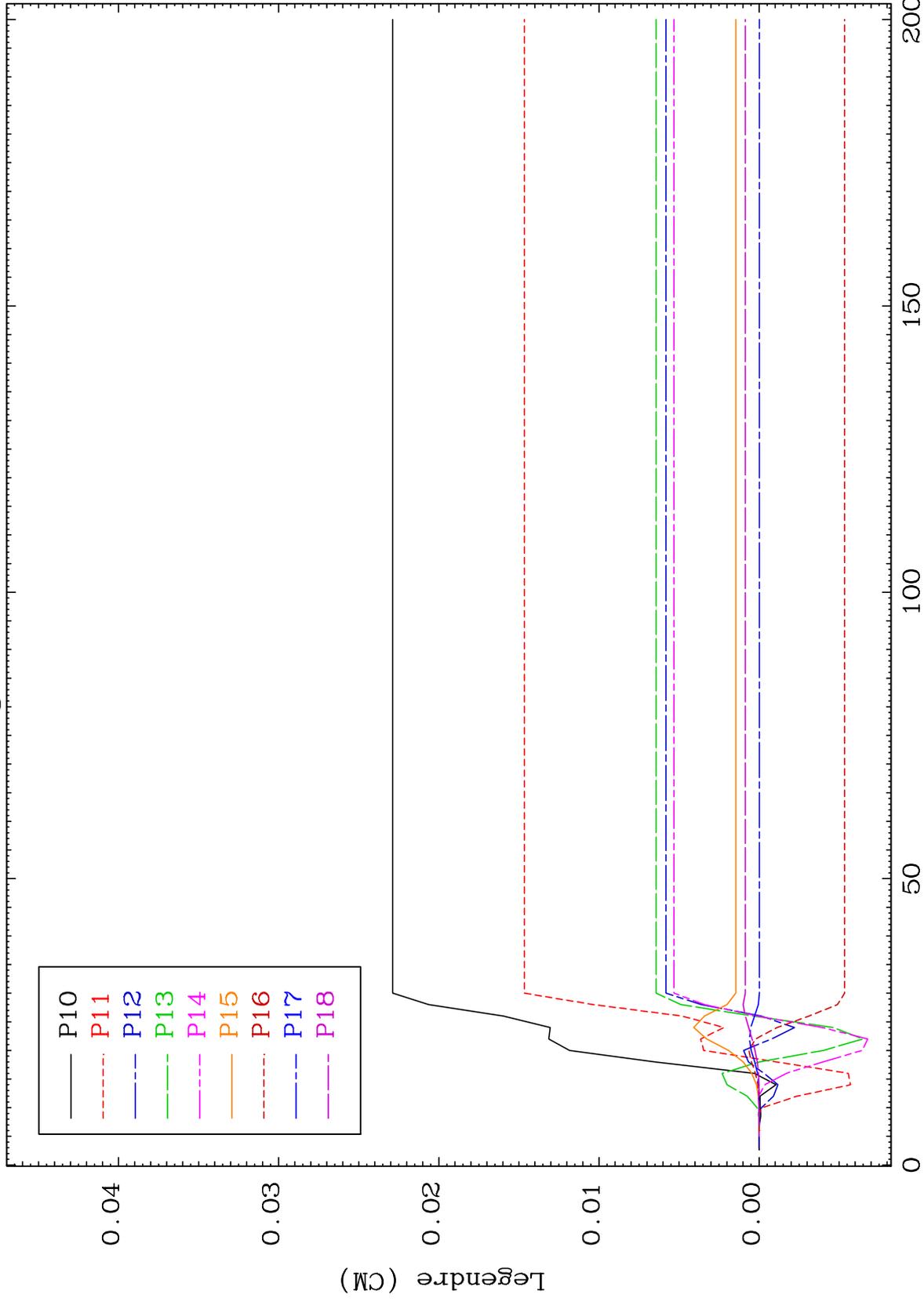
Incident Energy (MeV)

43

MAT 5073

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

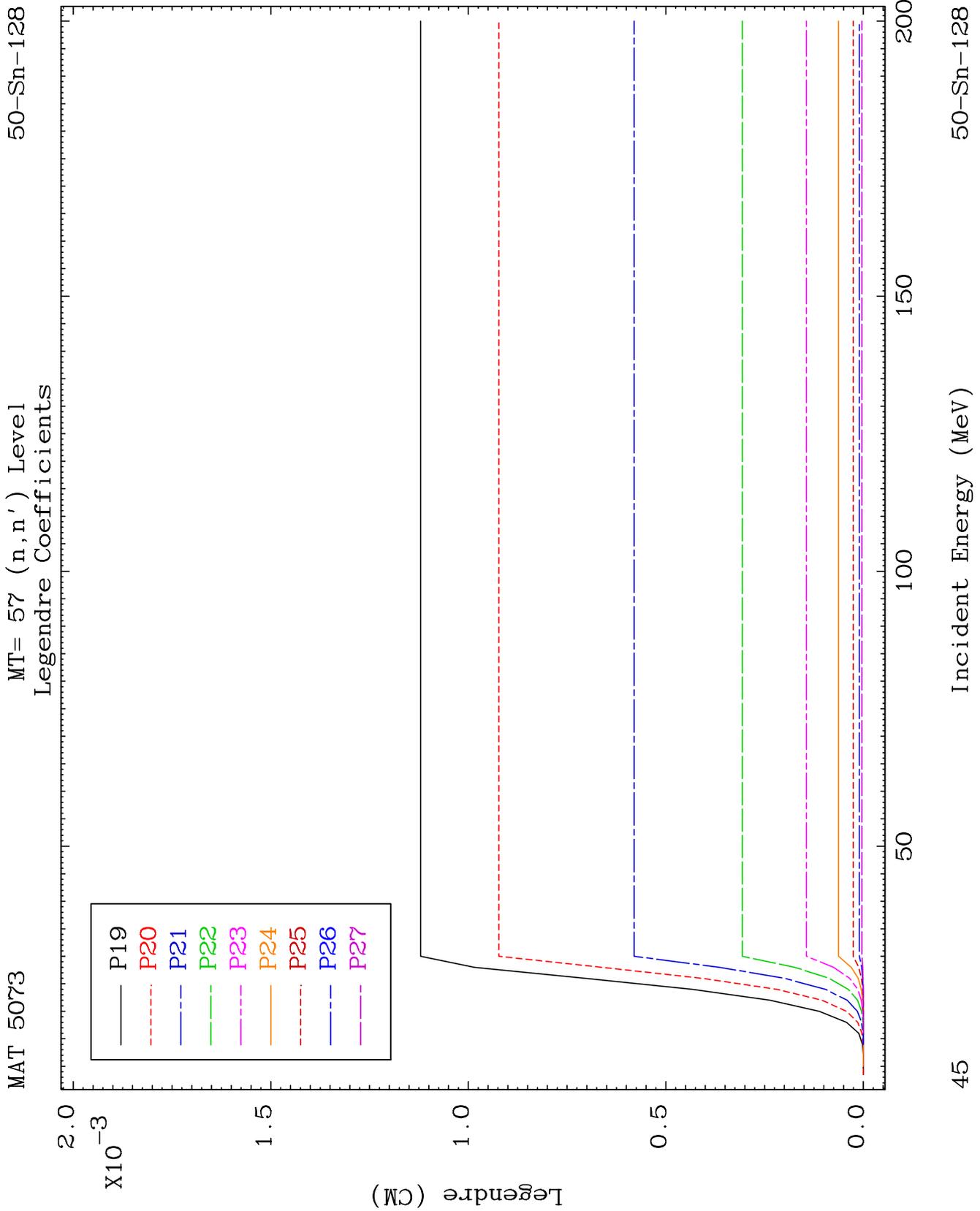
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44

Incident Energy (MeV)

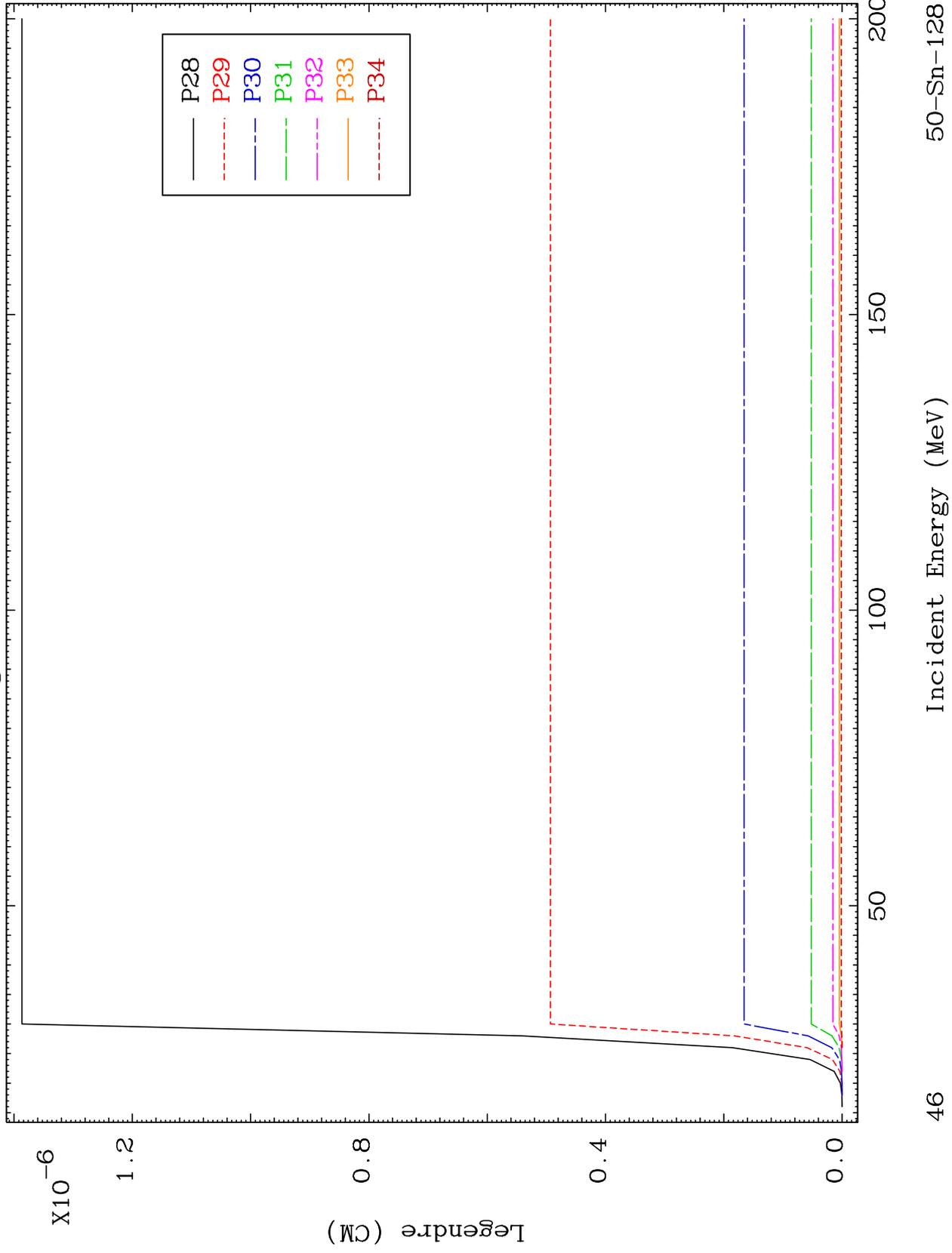
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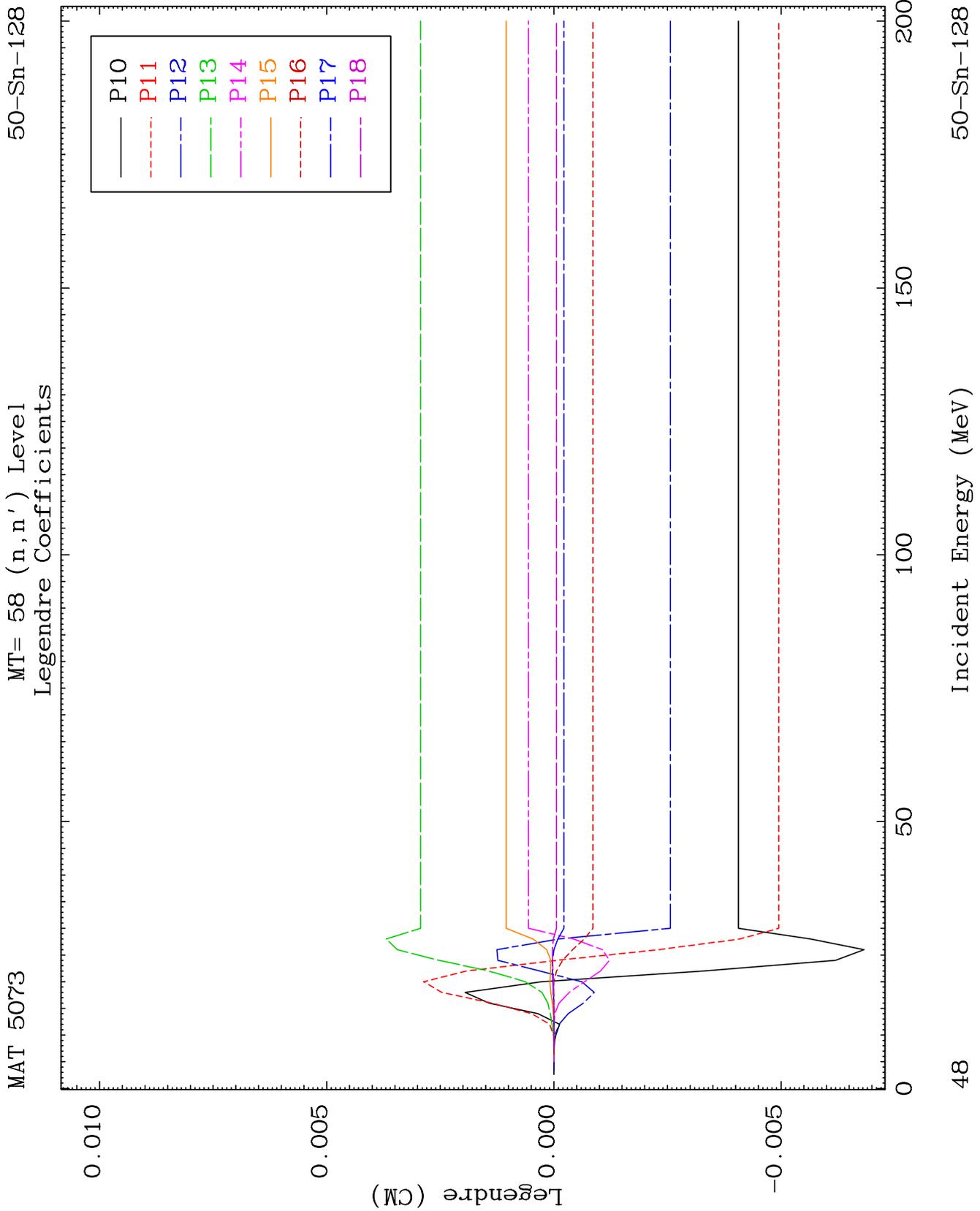


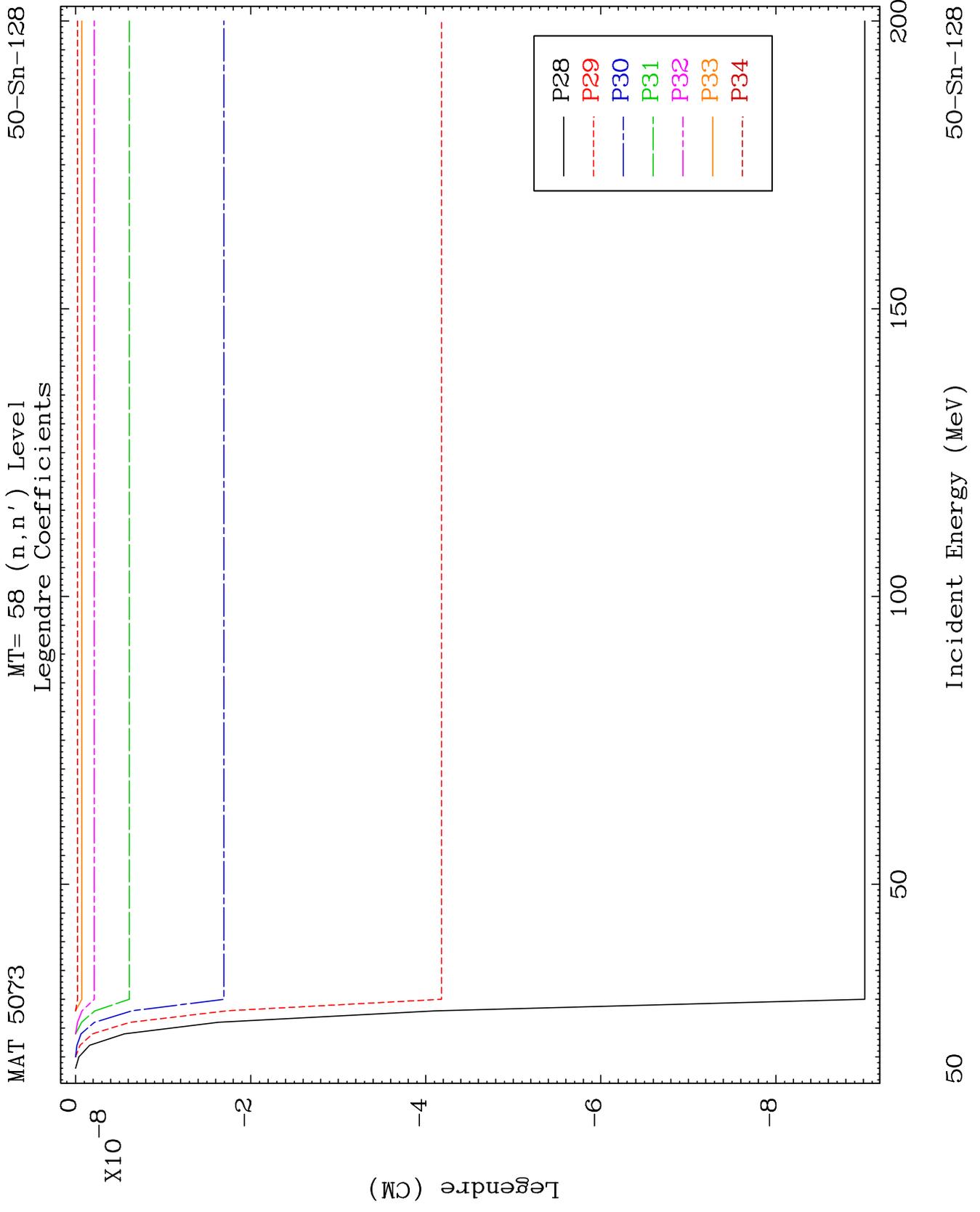
MAT 5073

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

50-Sn-128



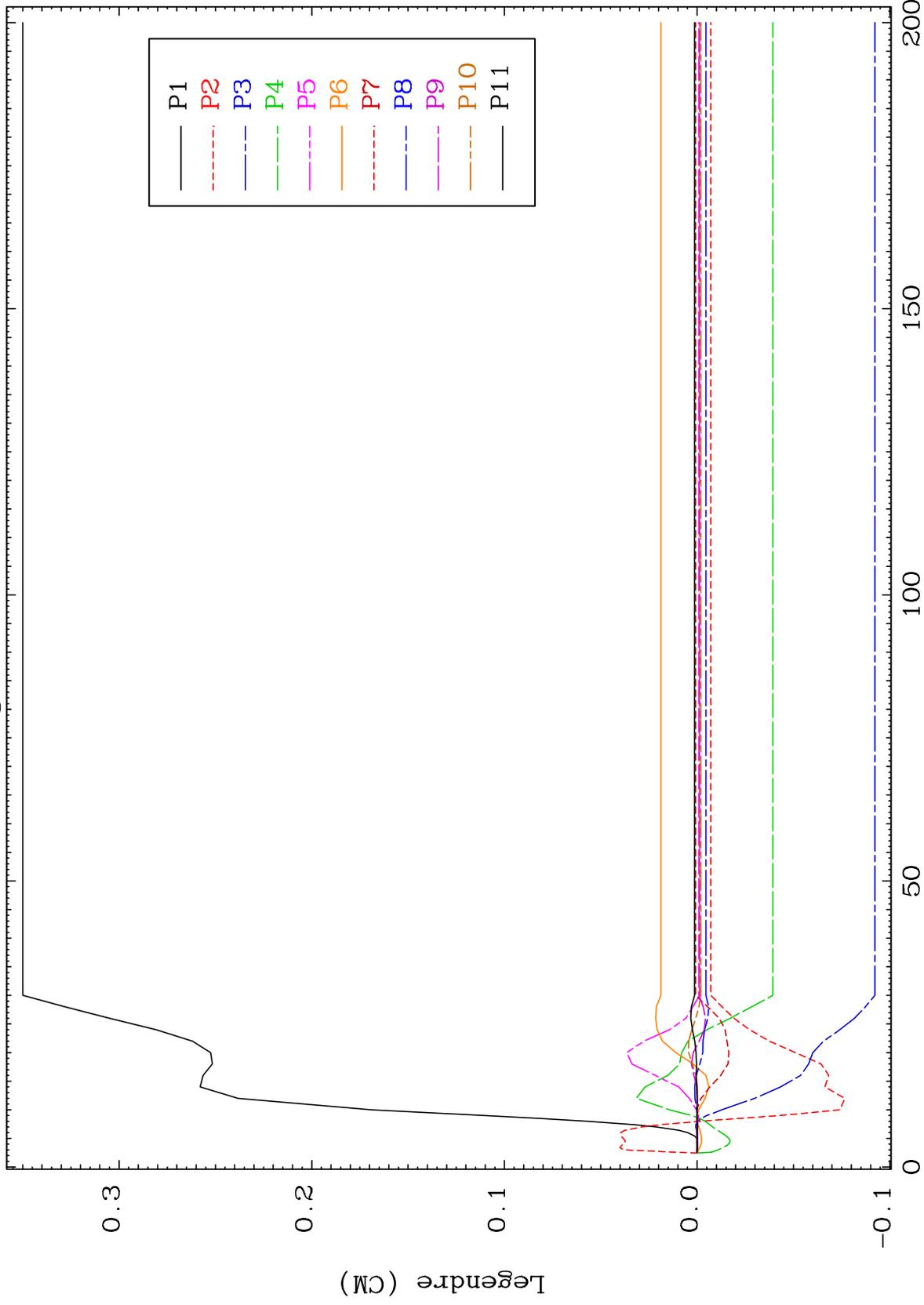




MAT 5073

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

50-Sn-128



51

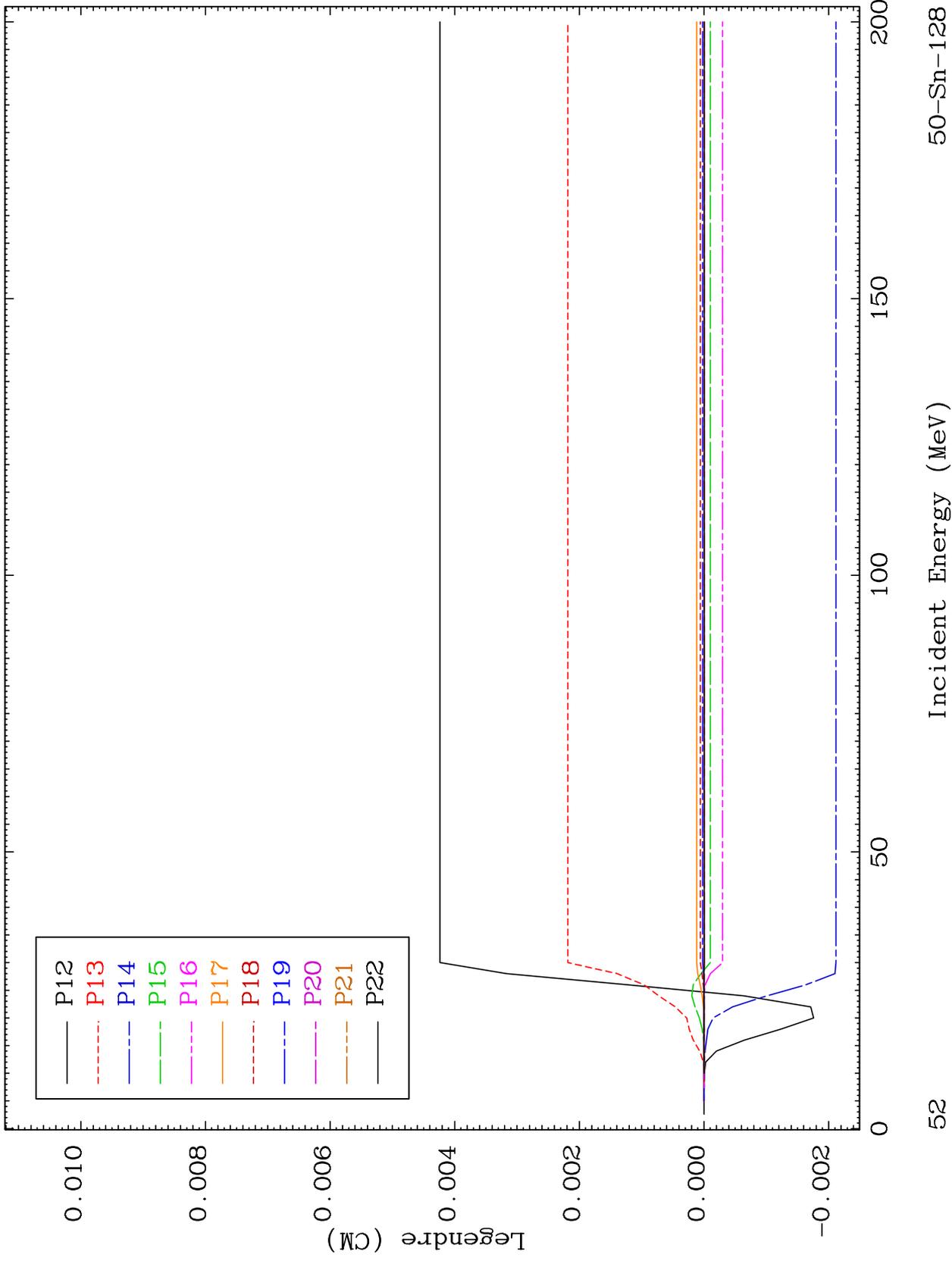
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

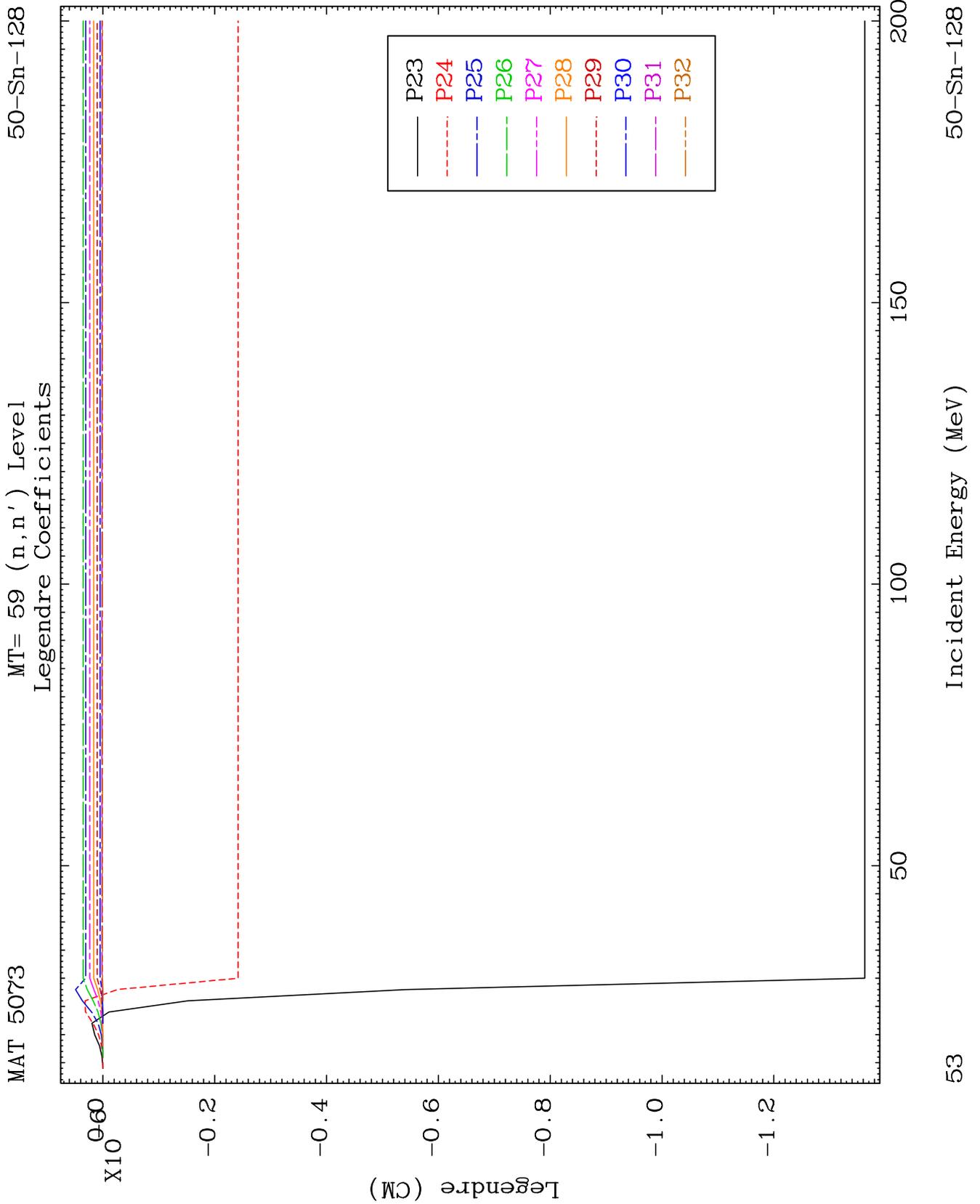
50-Sn-128



52

Incident Energy (MeV)

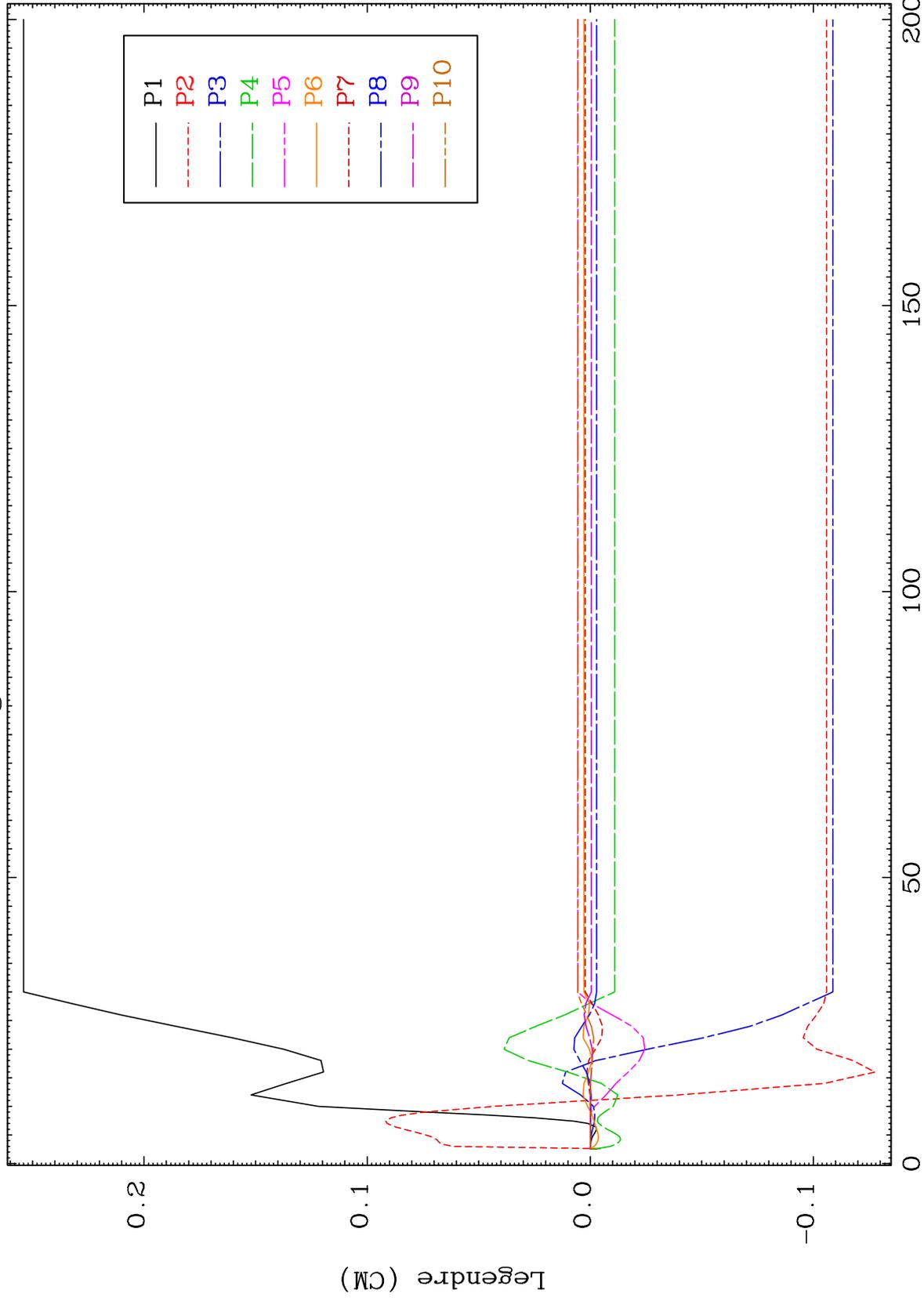
50-Sn-128



MAT 5073

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

50-Sn-128



54

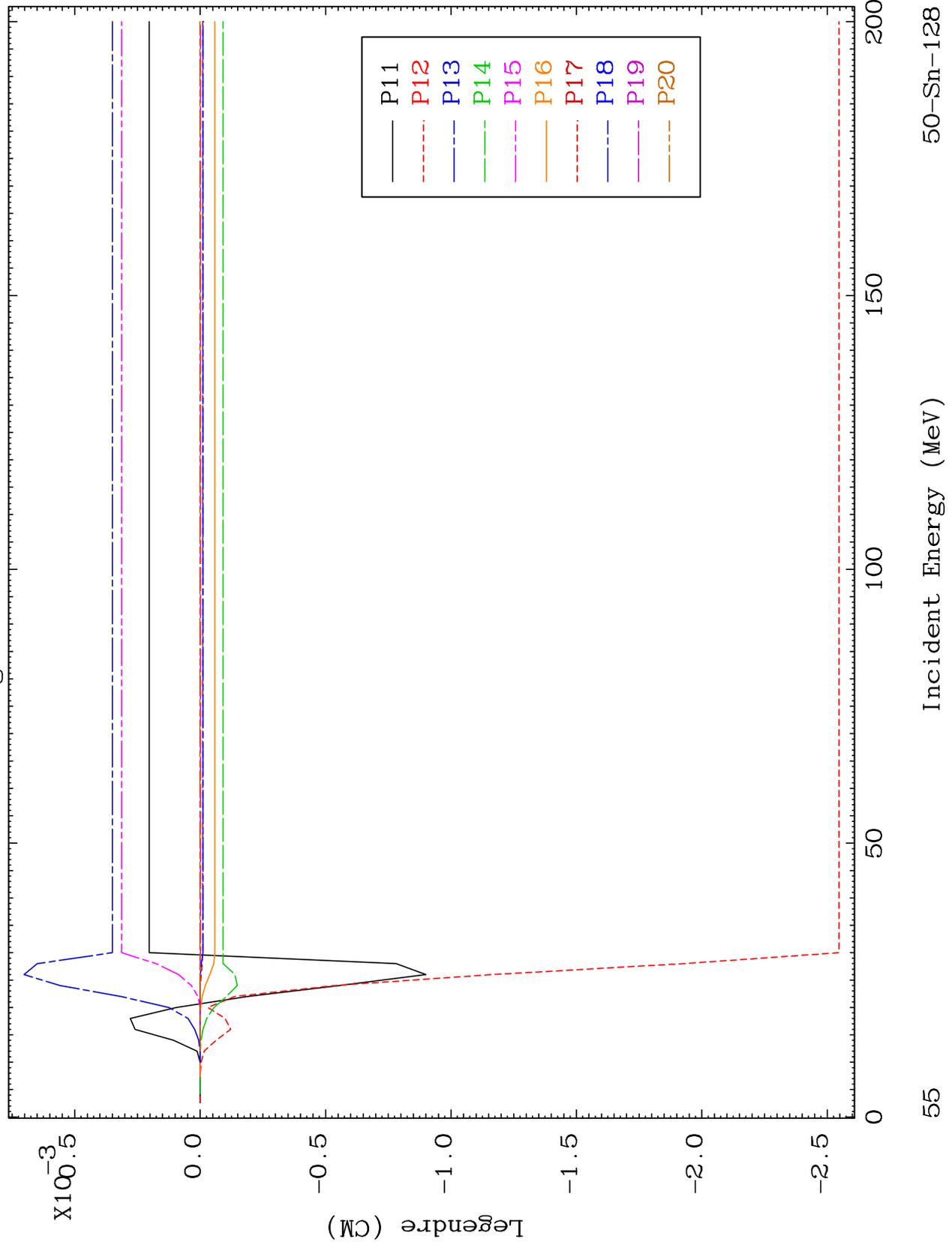
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



50-Sn-128

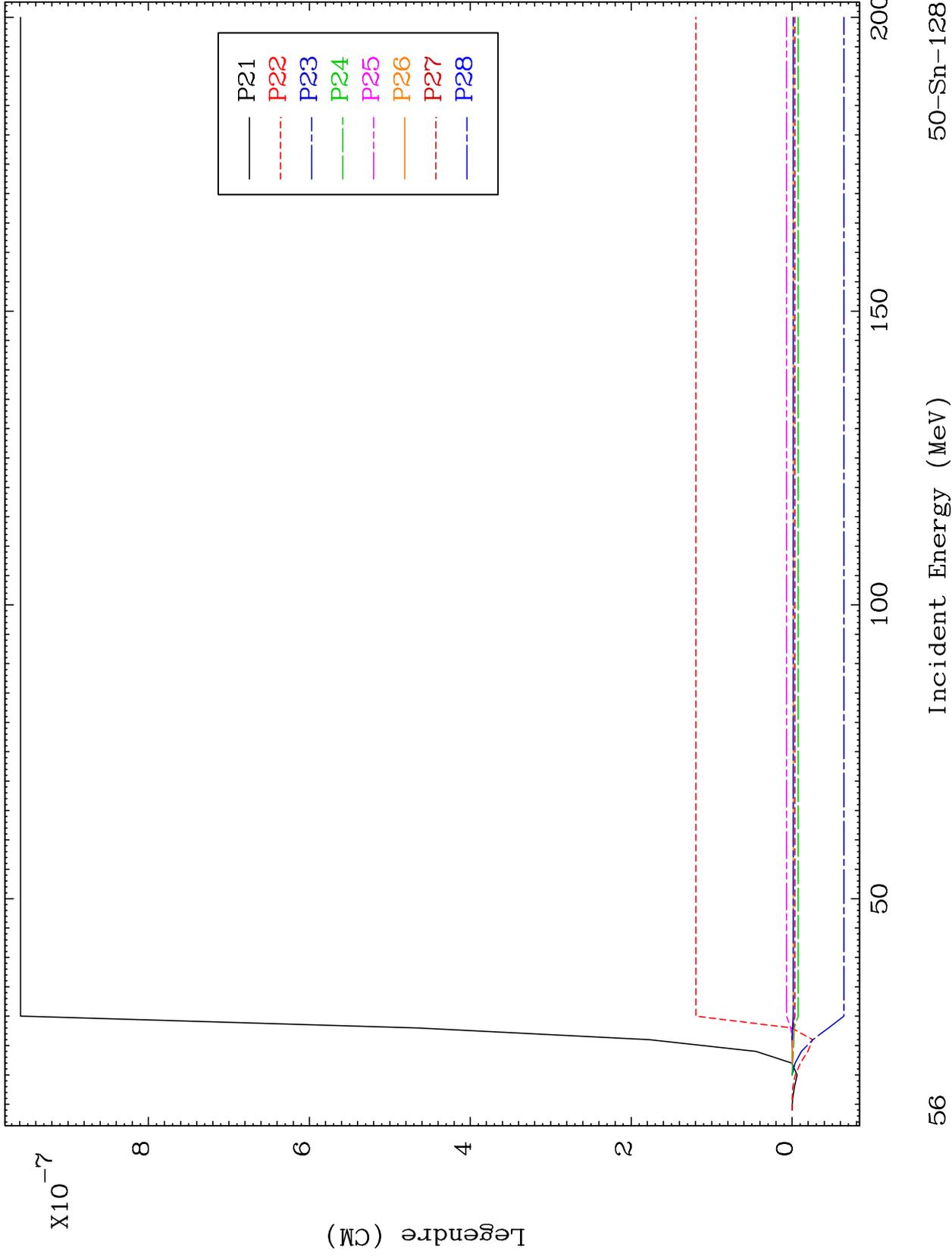
Incident Energy (MeV)

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MAT 5073

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

50-Sn-128



56

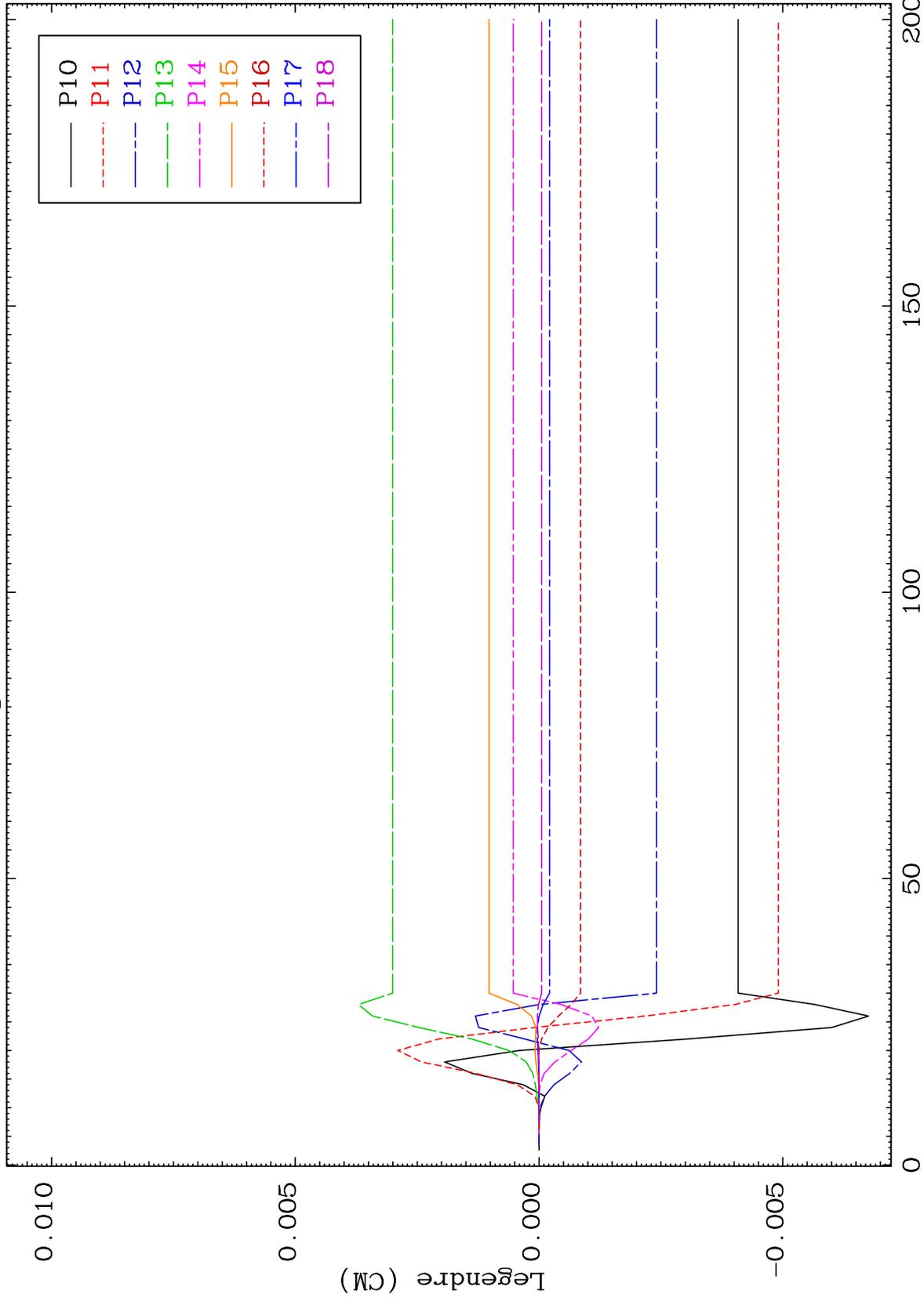
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



58

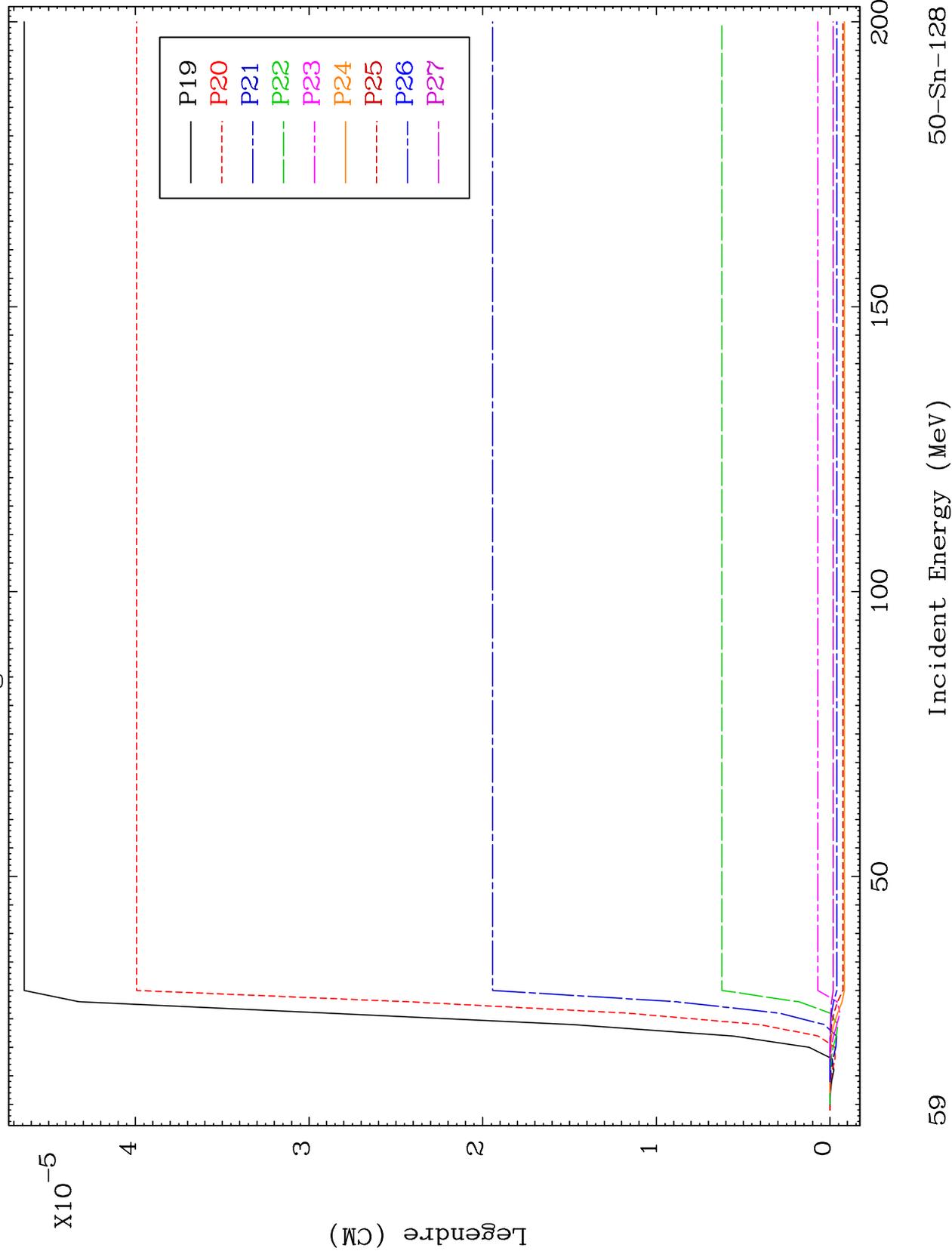
Incident Energy (MeV)

50-Sn-128

MAT 5073

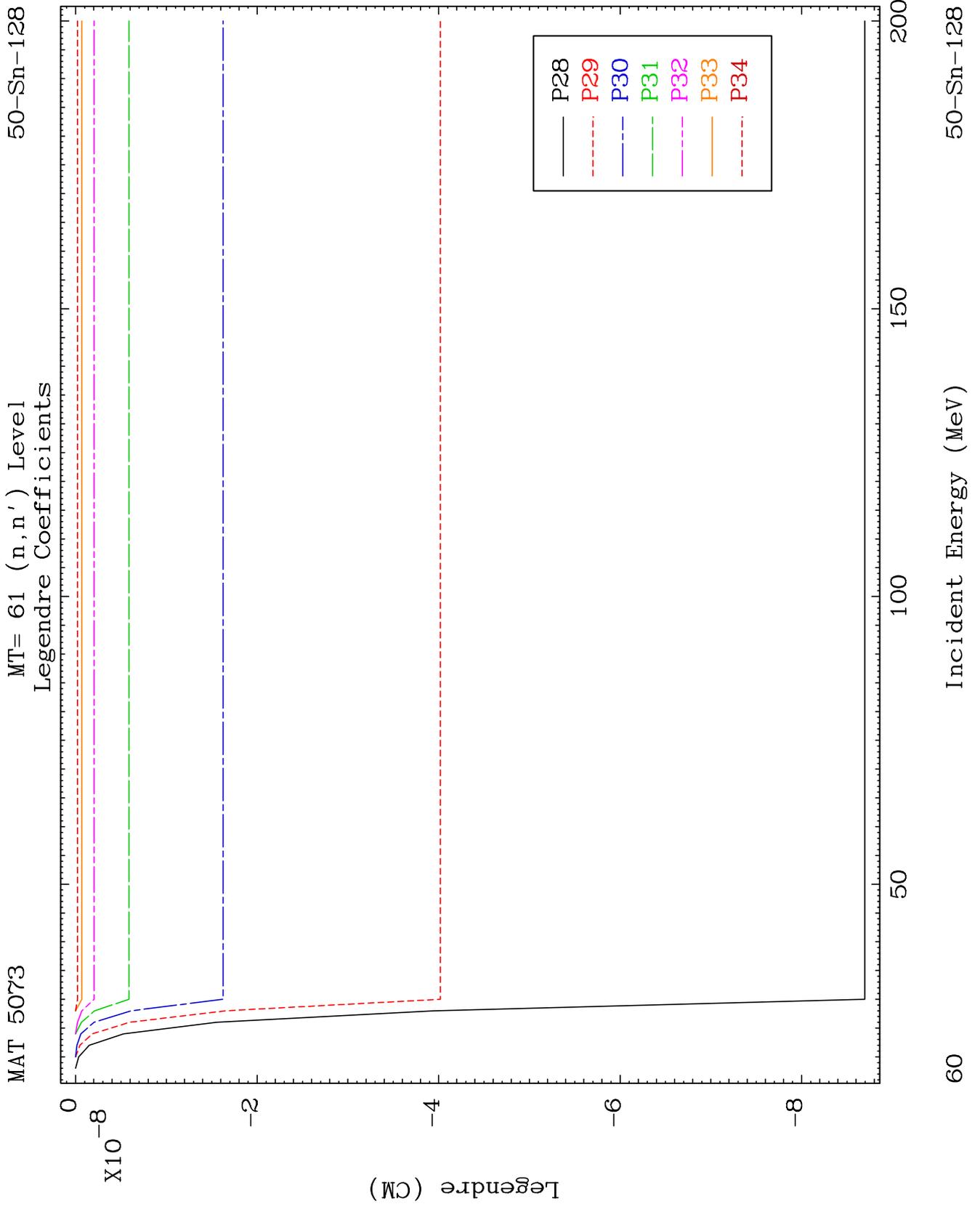
MT= 61 (n,n') Level
Legendre Coefficients

50-Sn-128



59

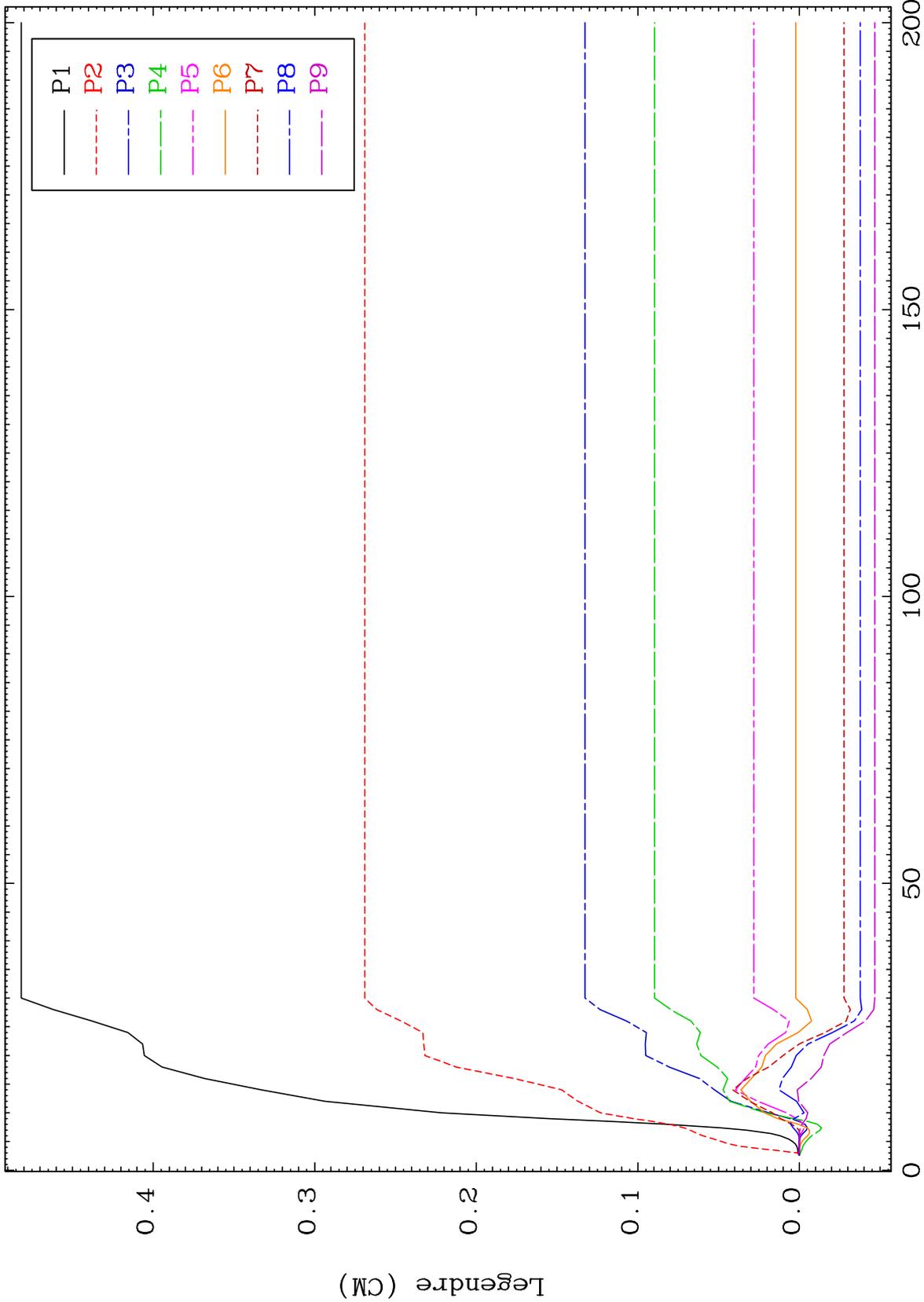
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MAT 5073

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

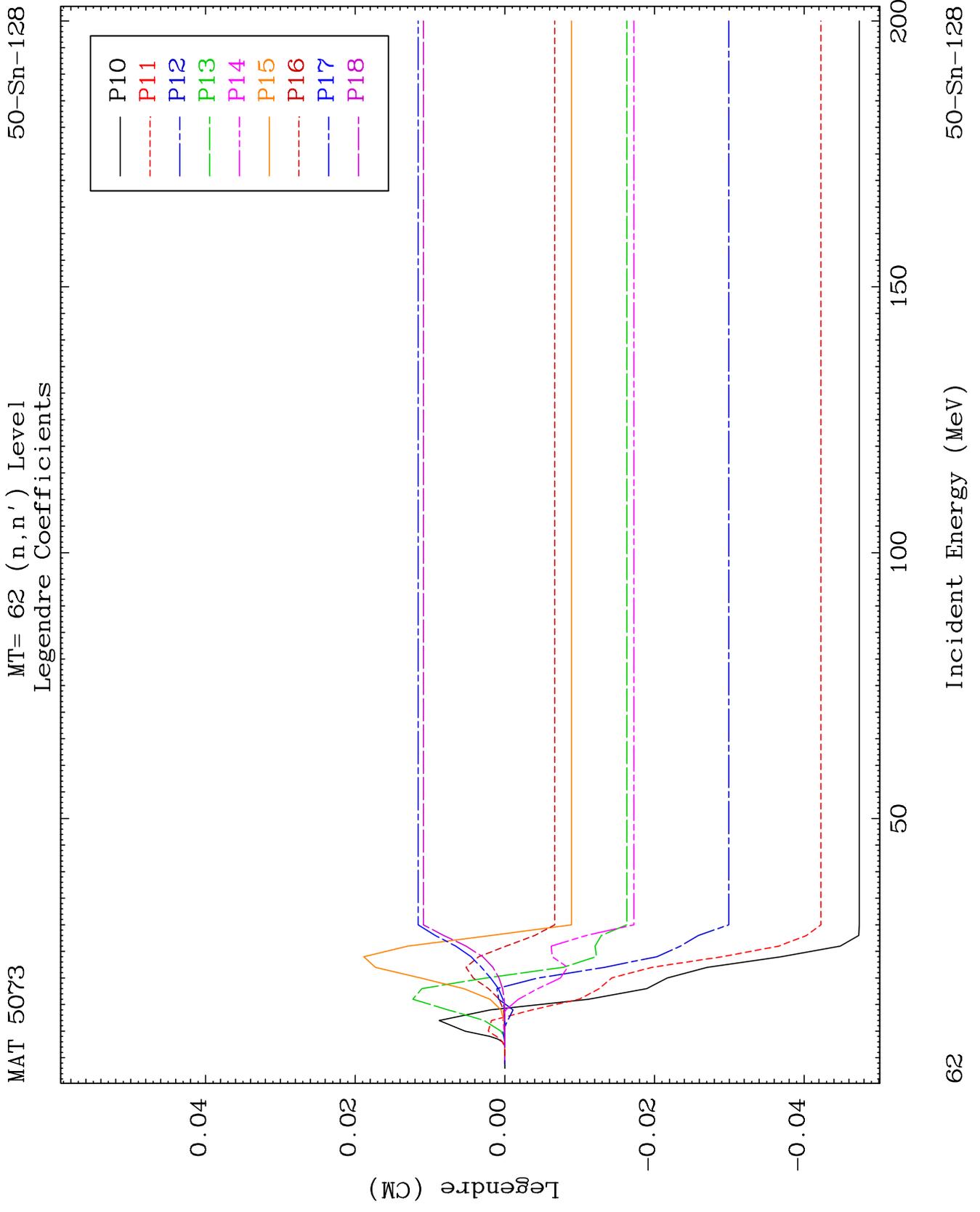
50-Sn-128



61

Incident Energy (MeV)

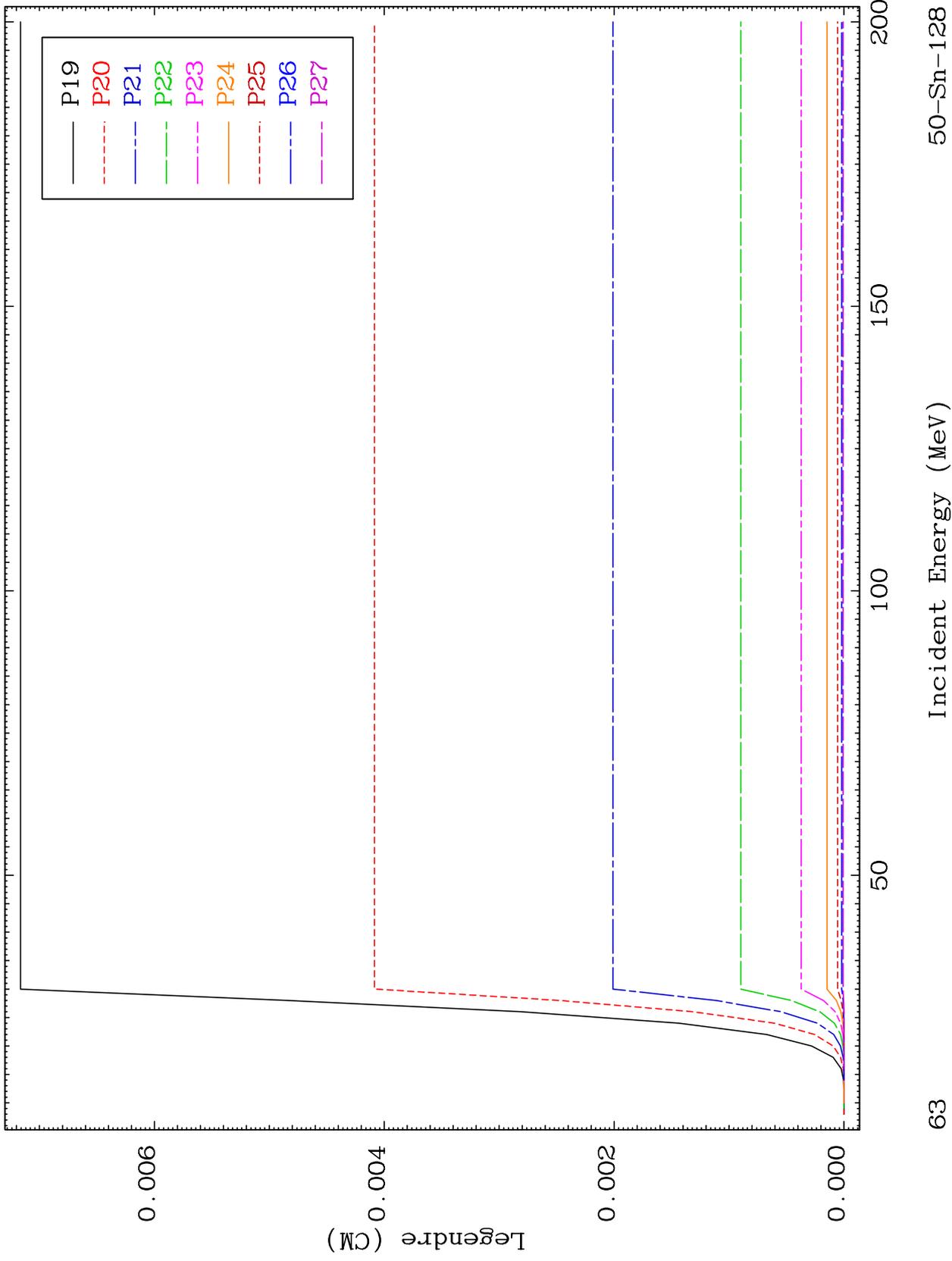
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MAT 5073

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

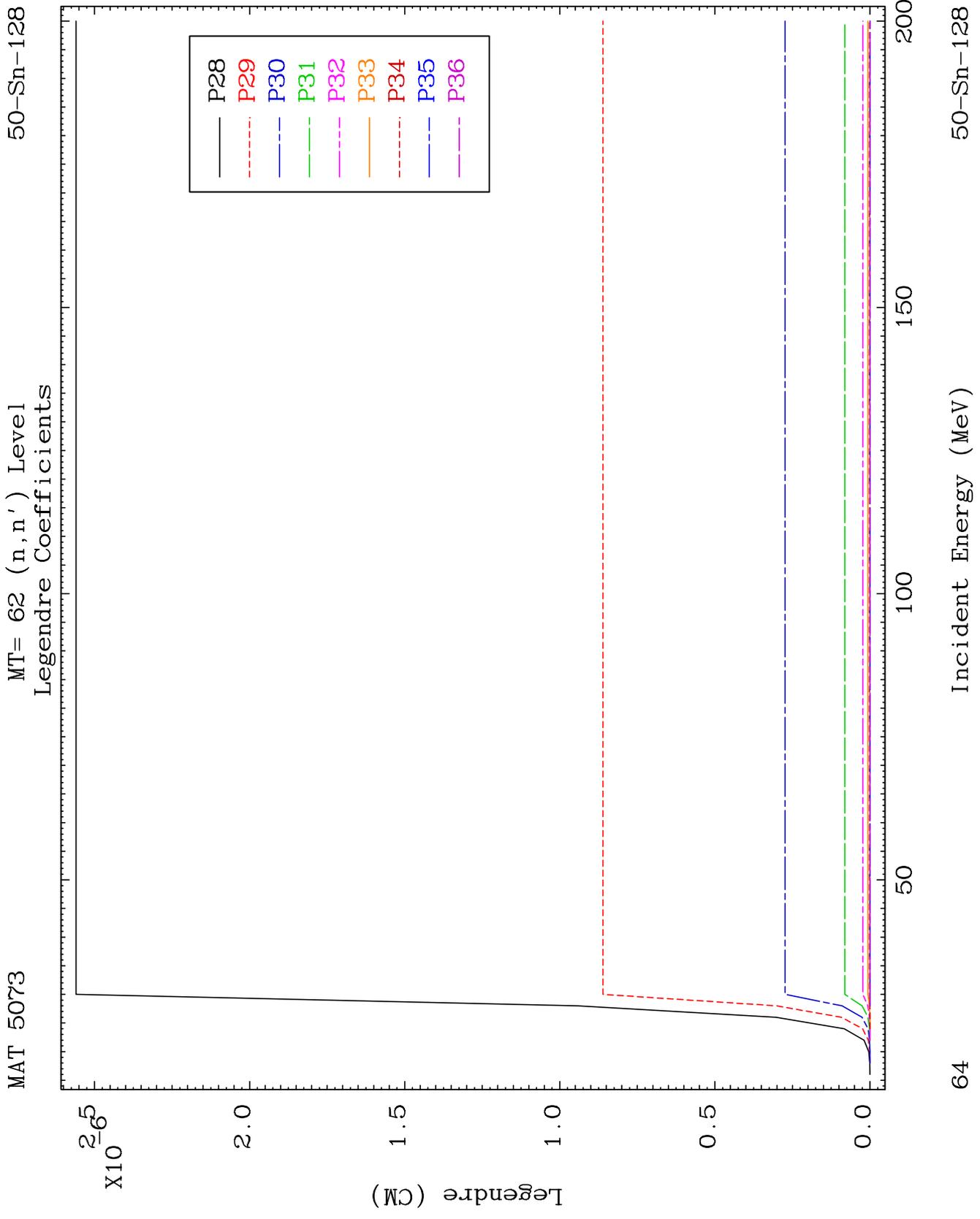
50-Sn-128



63

Incident Energy (MeV)

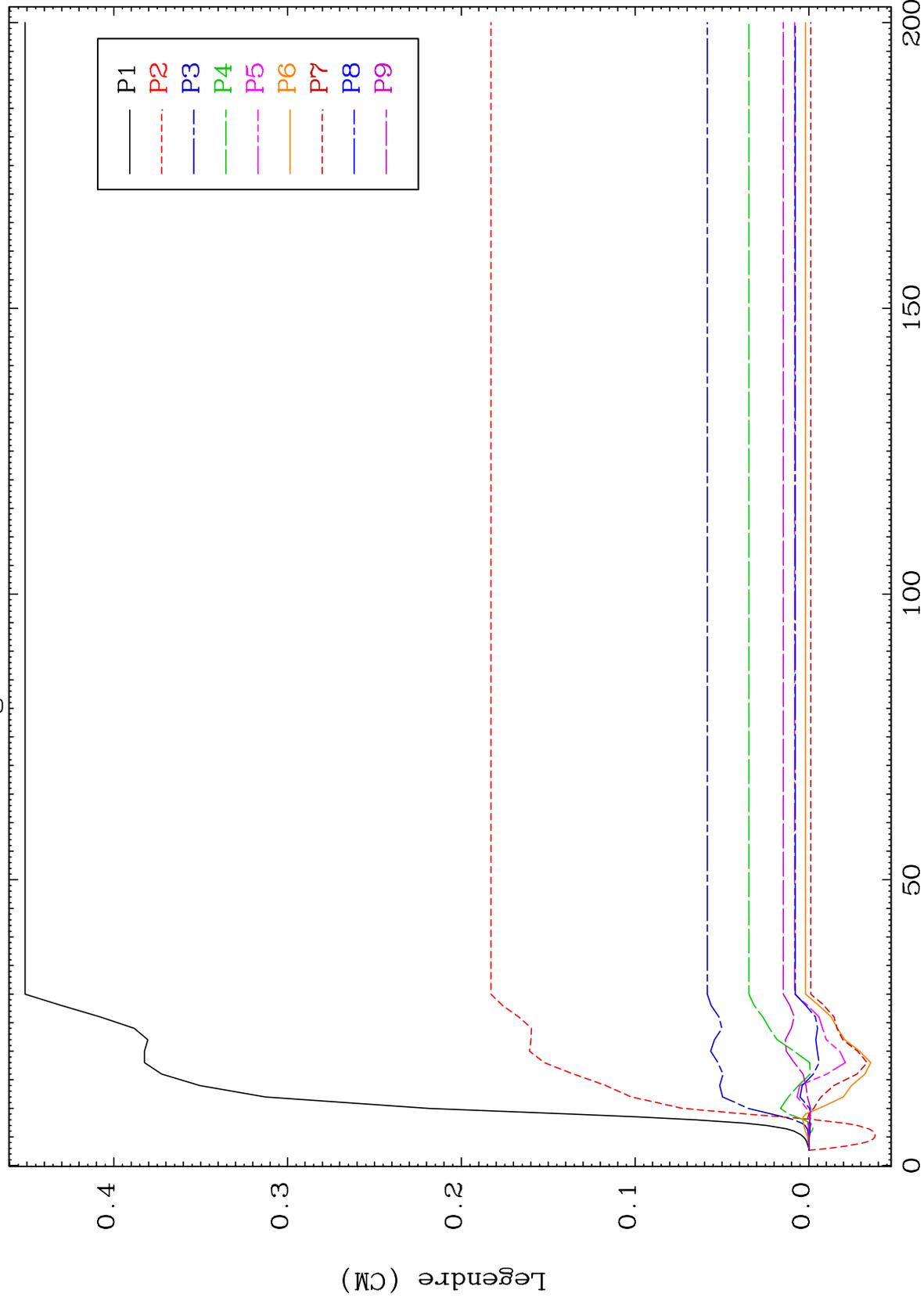
50-Sn-128



MAT 5073

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

50-Sn-128



50-Sn-128

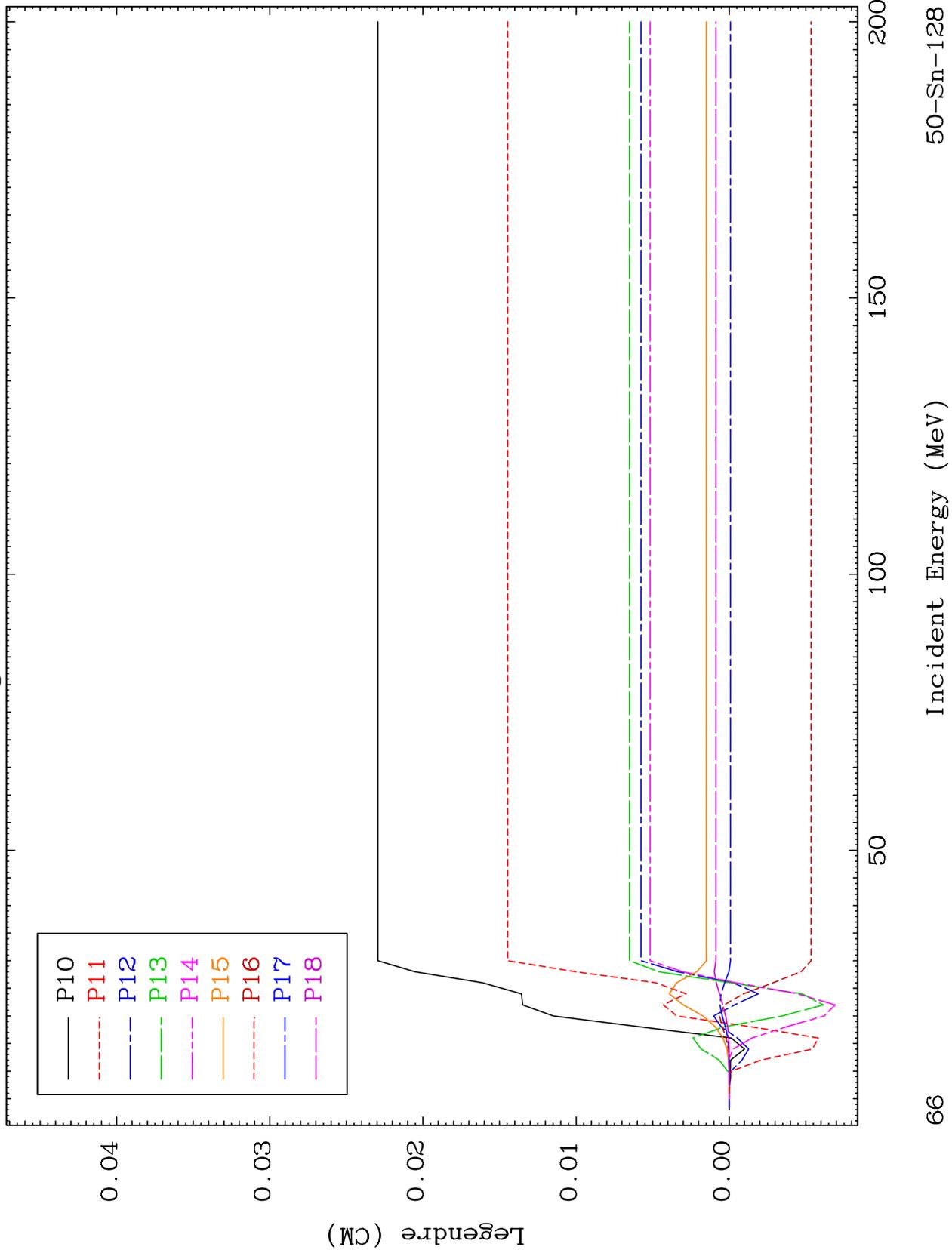
Incident Energy (MeV)

65

MAT 5073

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

50-Sn-128

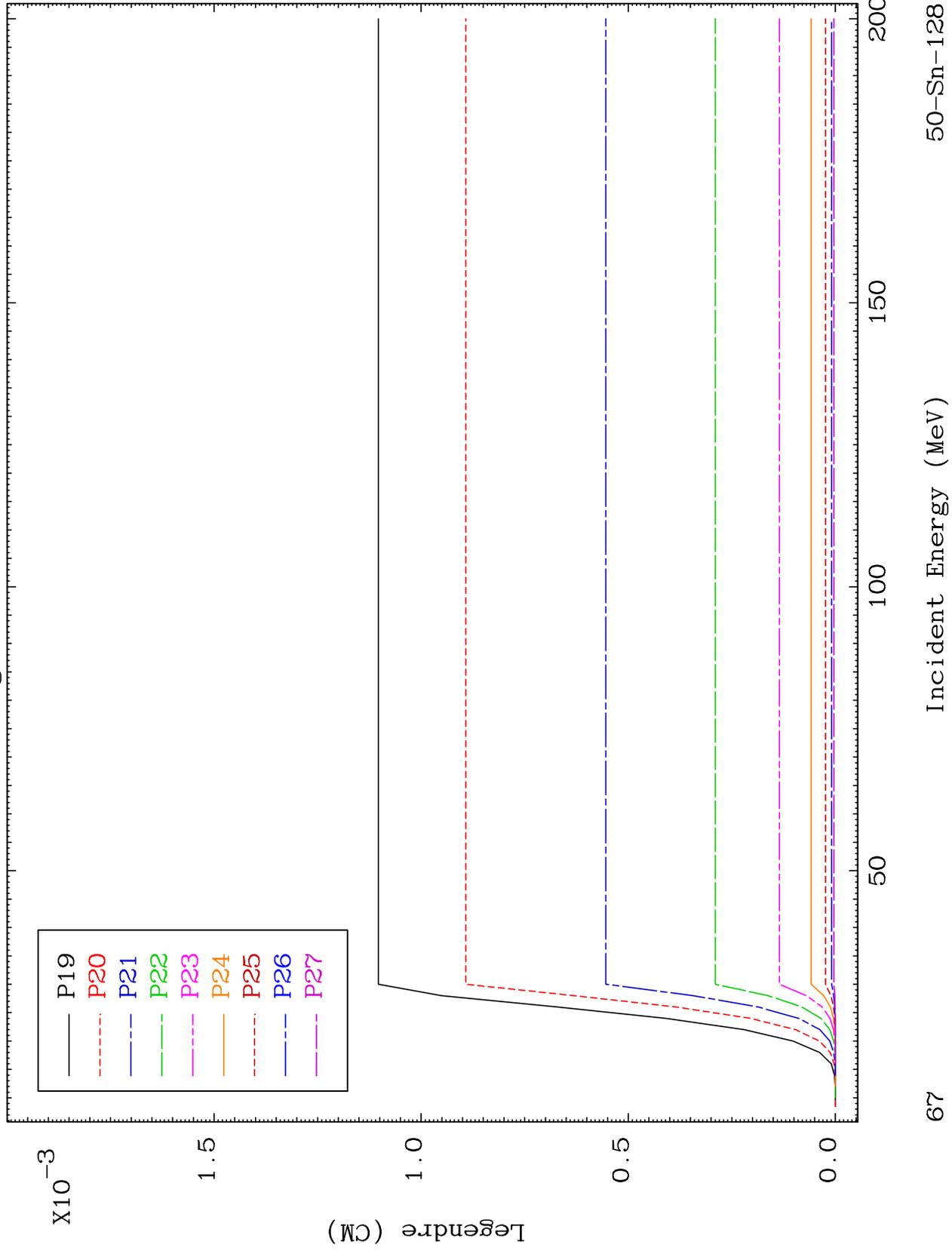


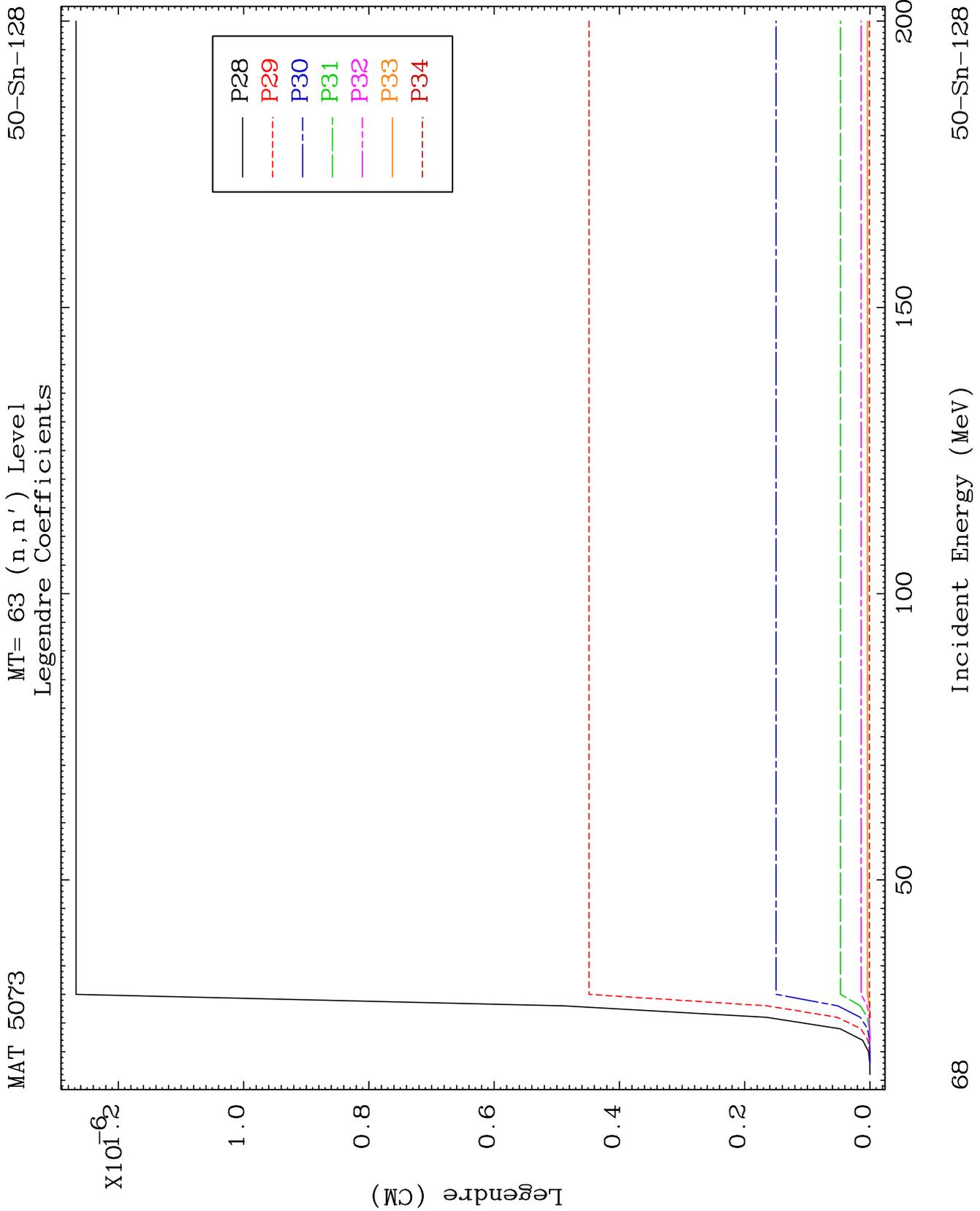
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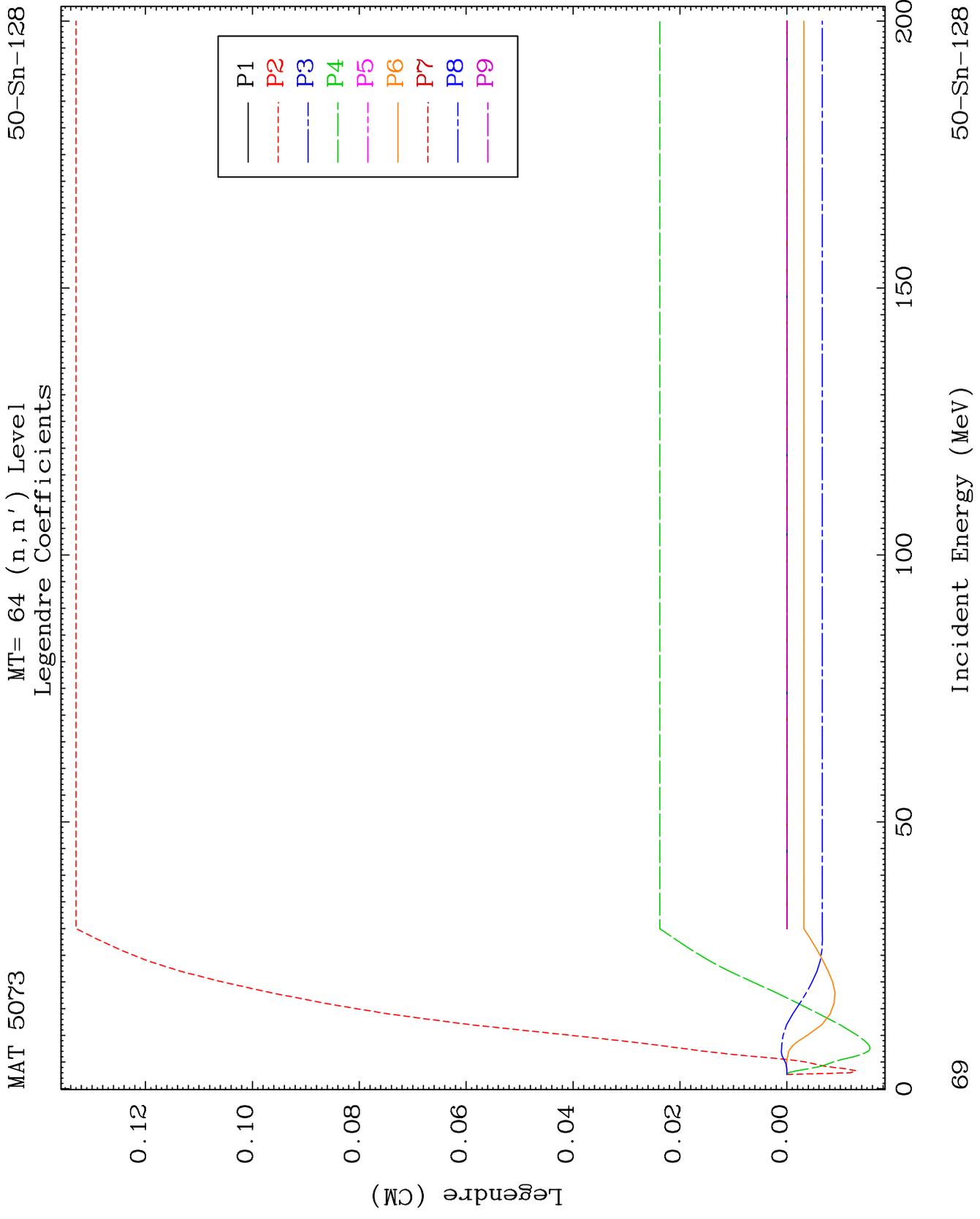
MAT 5073

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

50-Sn-128



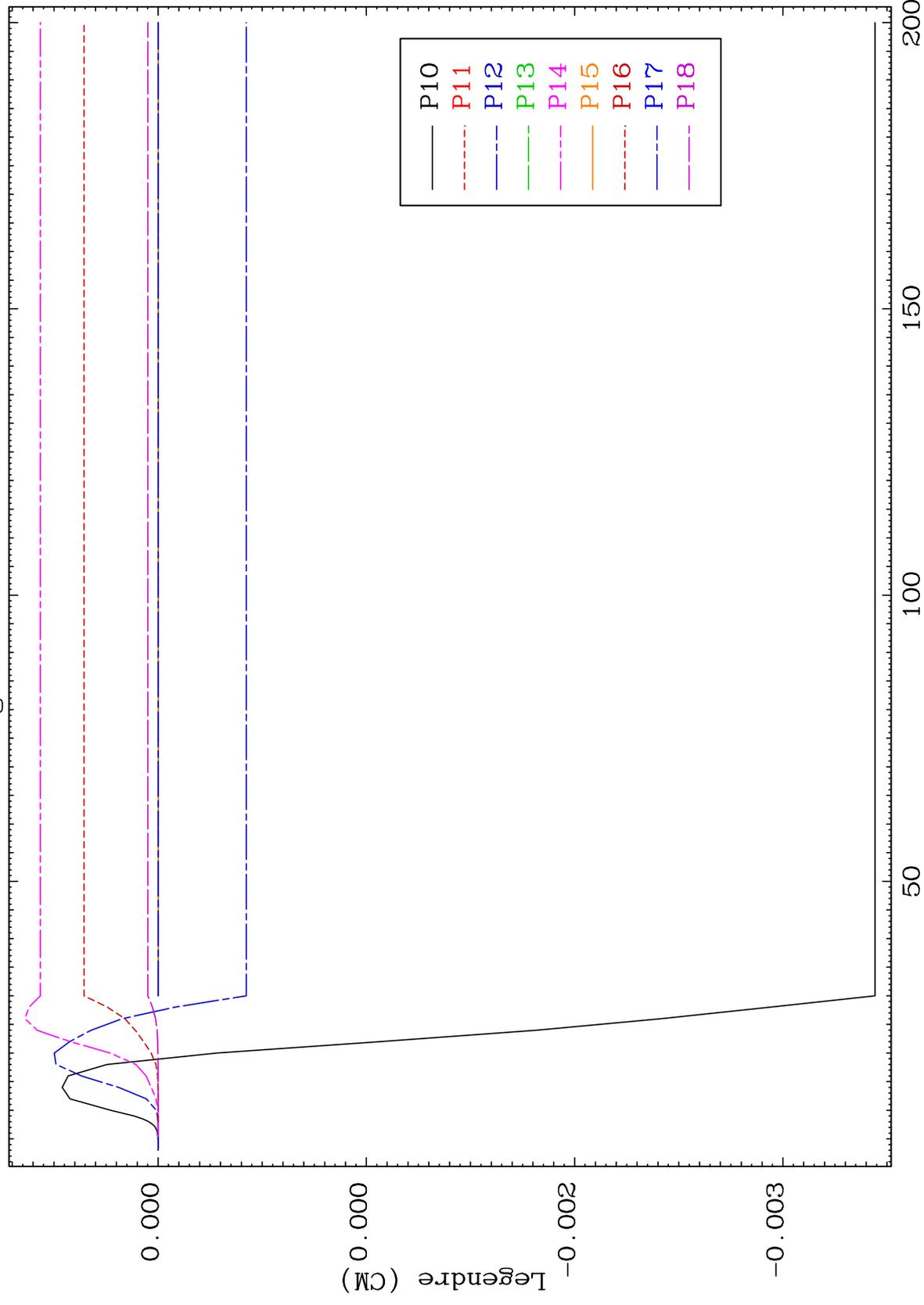




MAT 5073

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

50-Sn-128



70

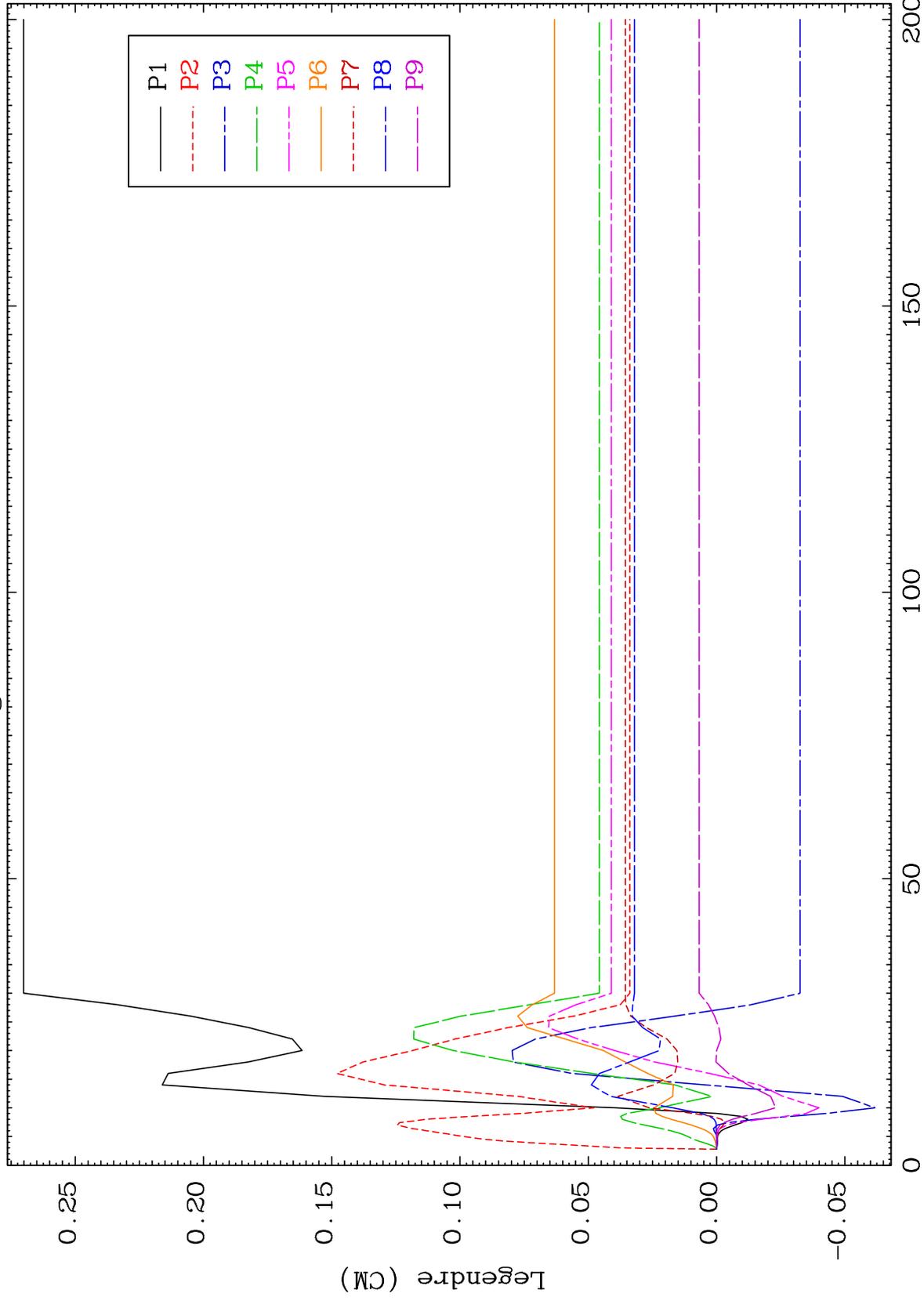
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



72

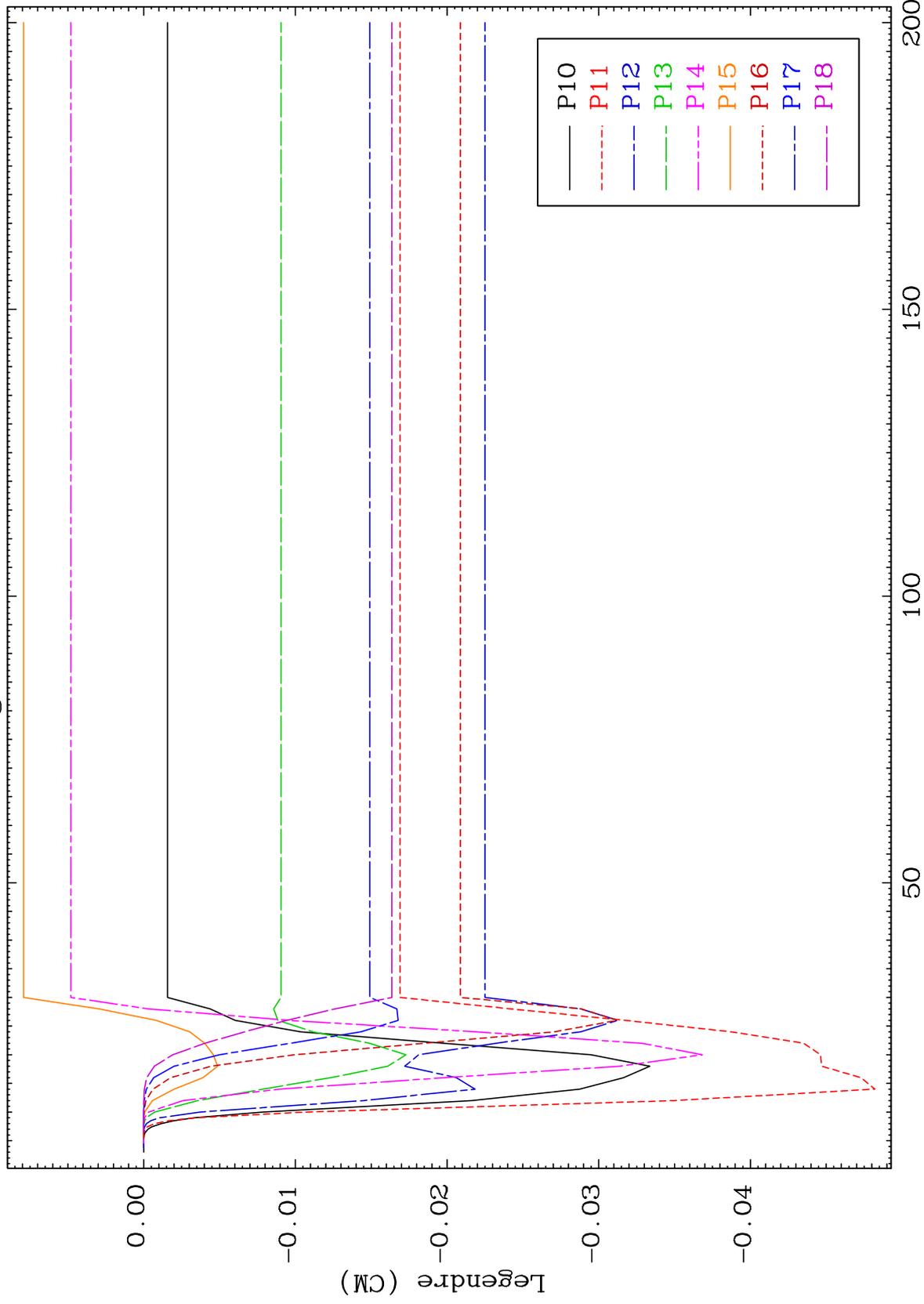
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

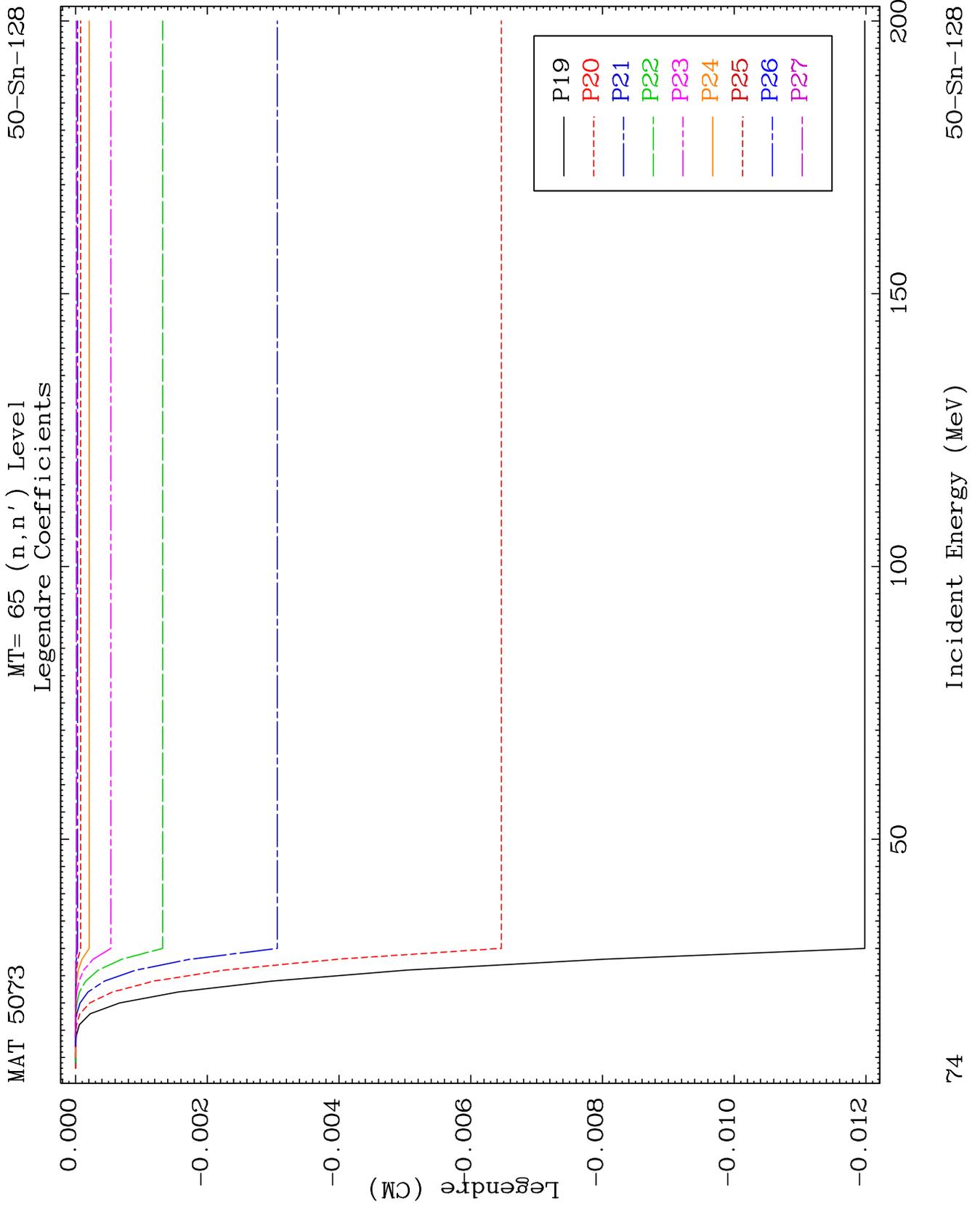
50-Sn-128

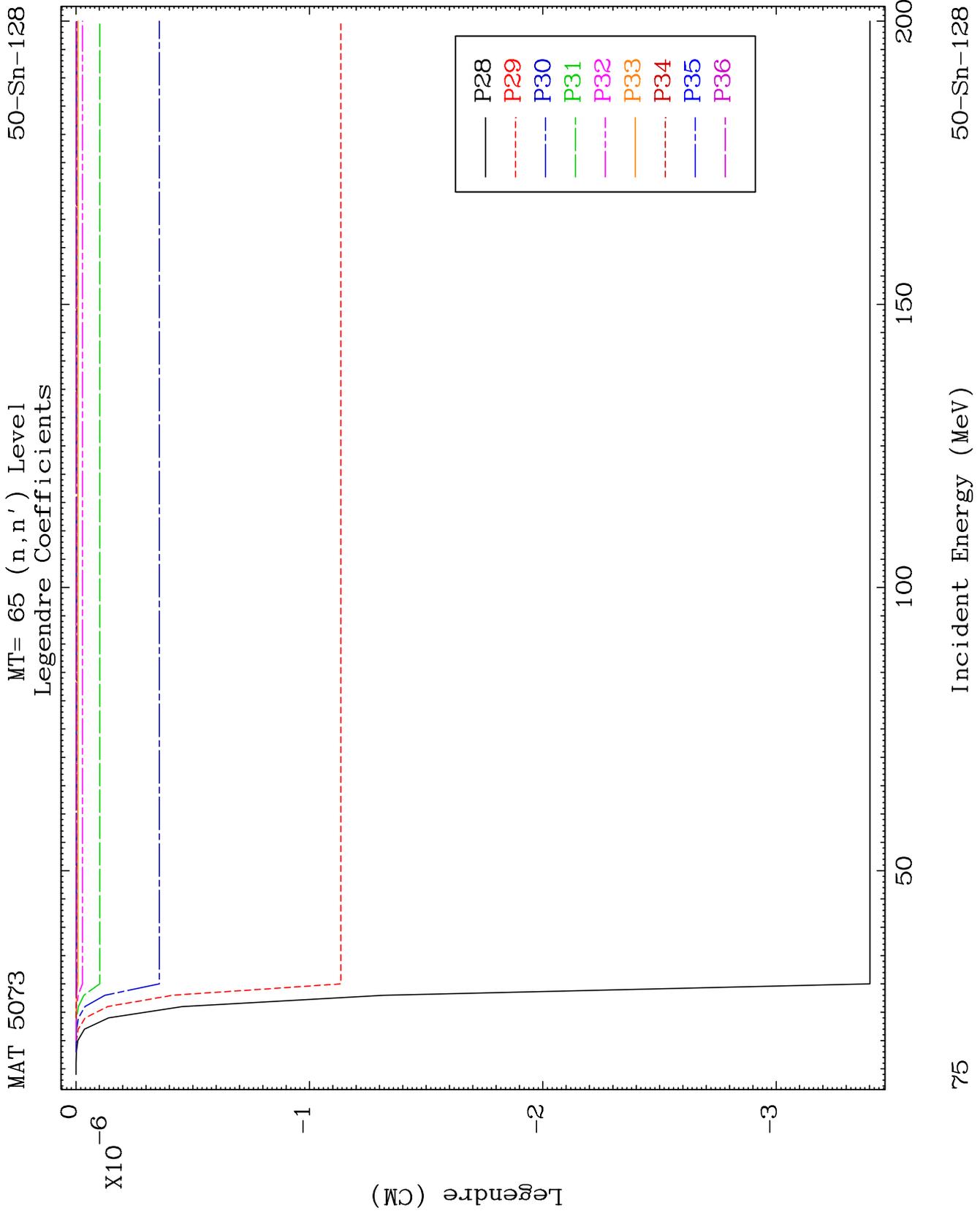


73

Incident Energy (MeV)

50-Sn-128

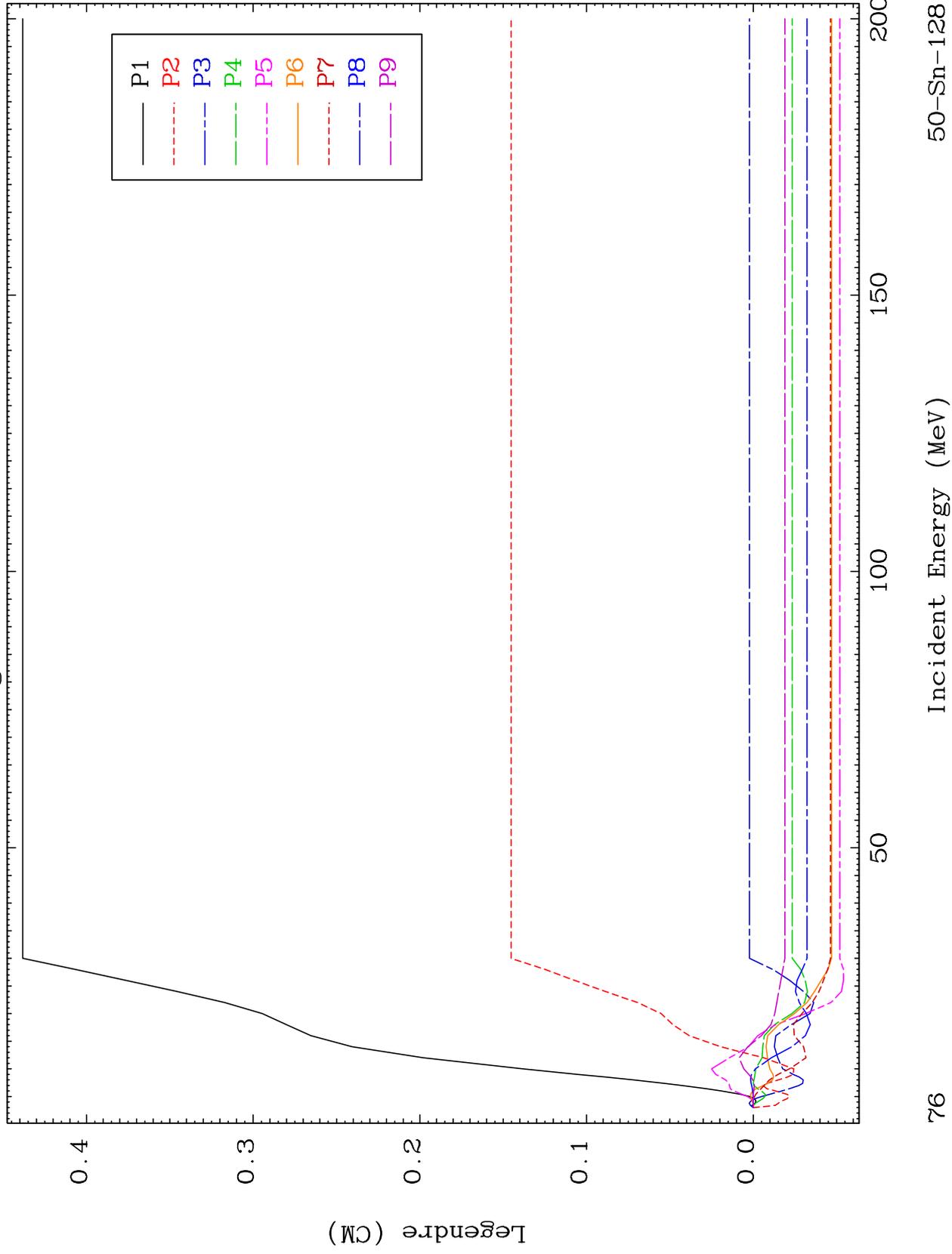




MAT 5073

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

50-Sn-128



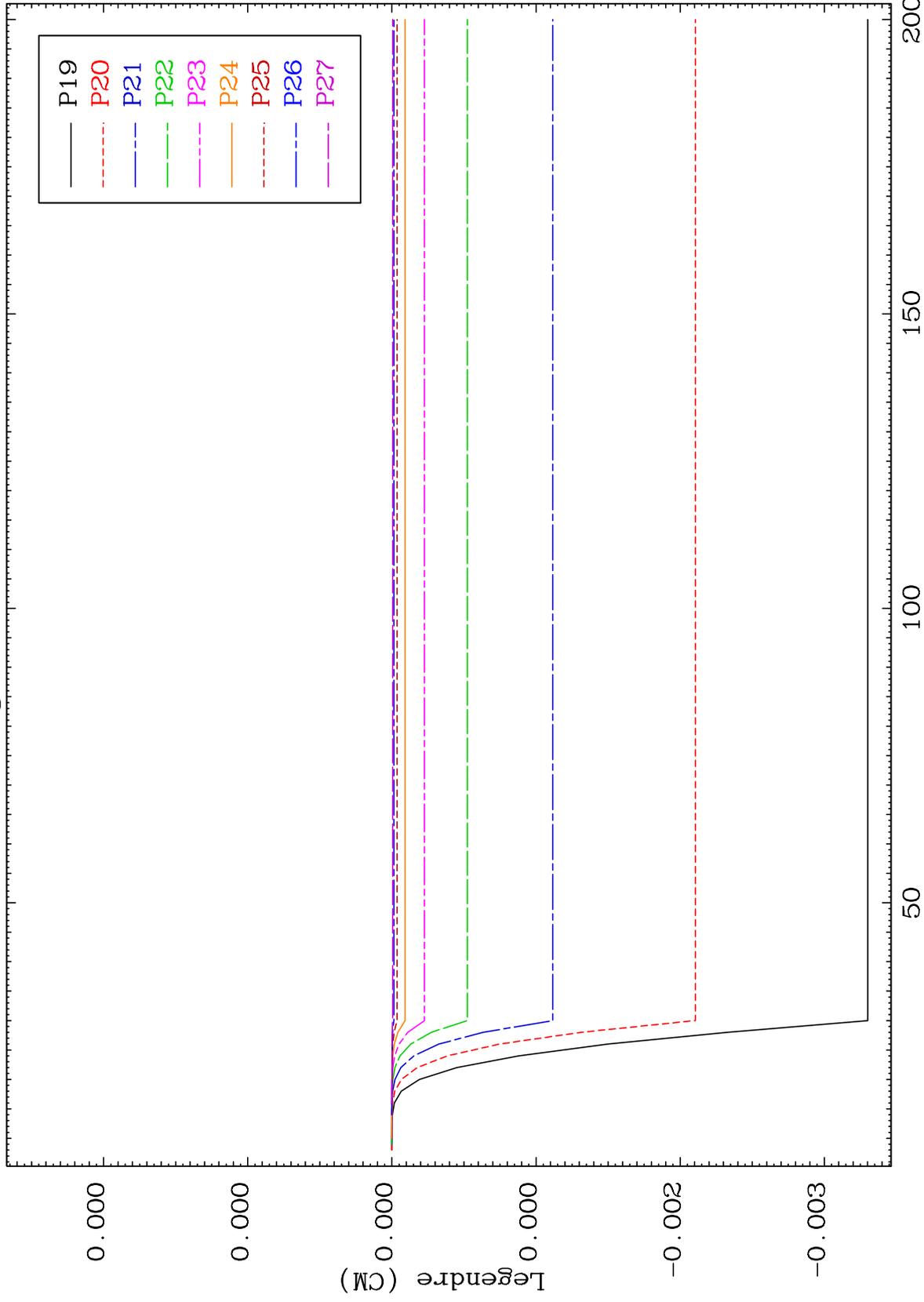
76

50-Sn-128

MAT 5073

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

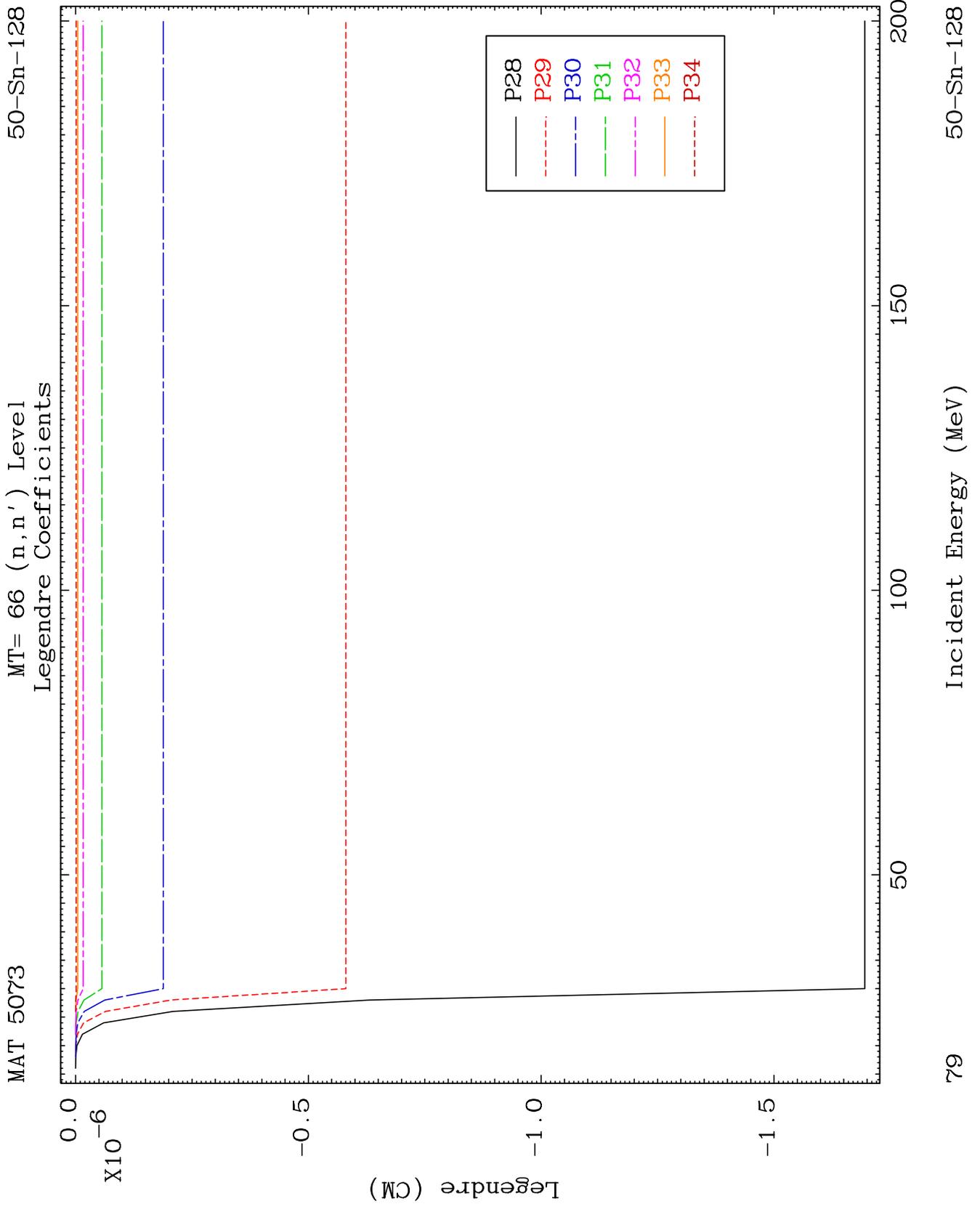
50-Sn-128



78

Incident Energy (MeV)

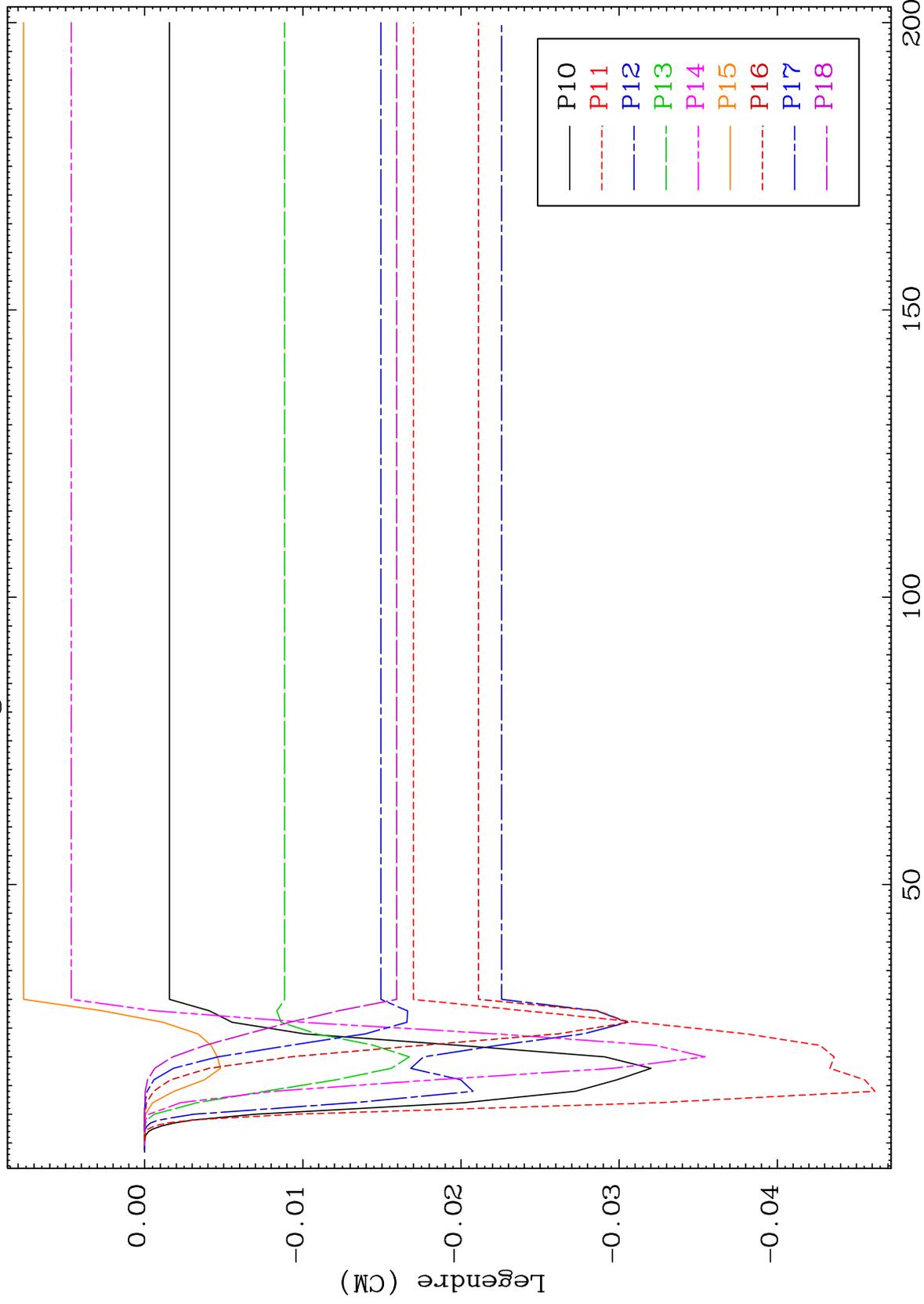
50-Sn-128

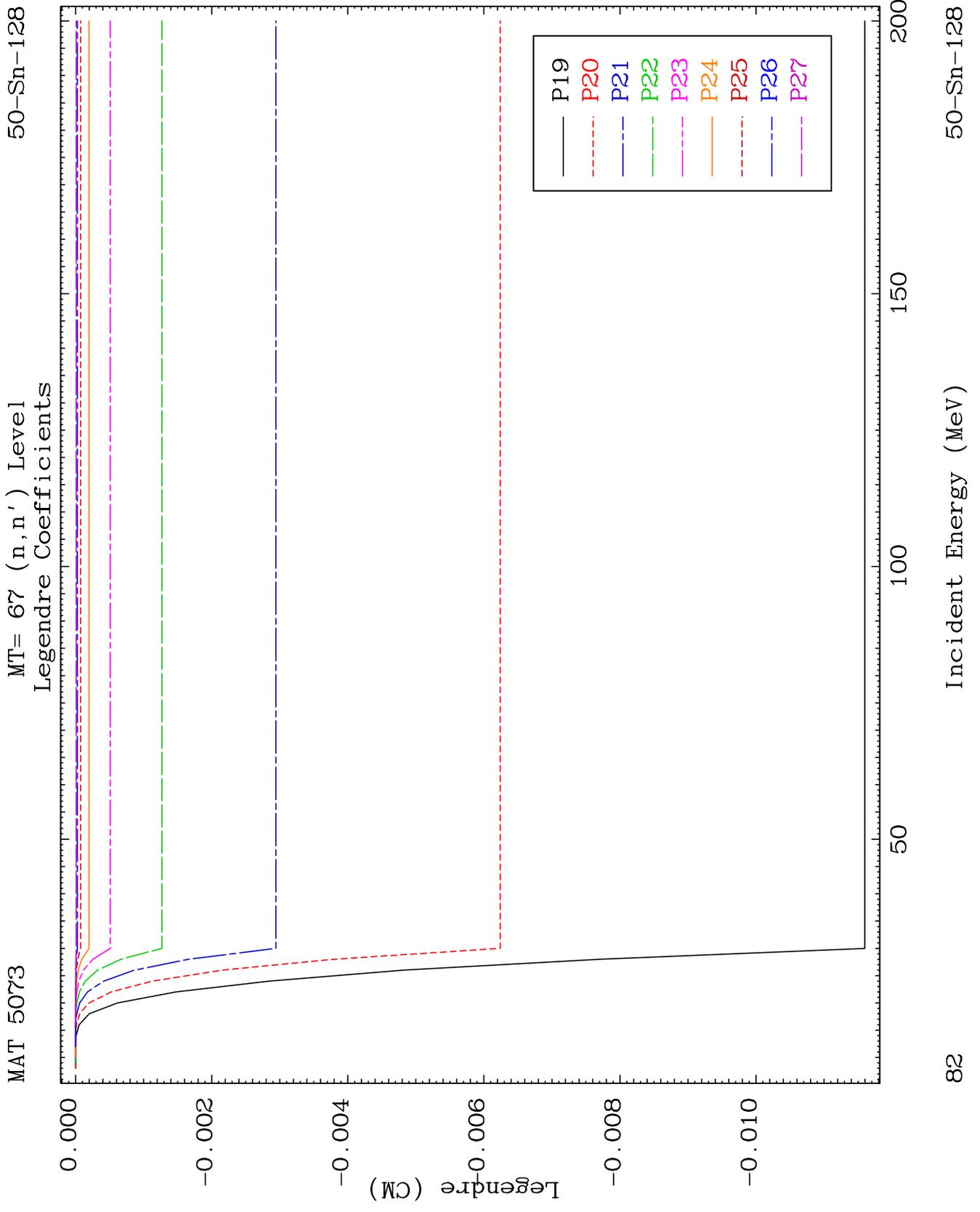


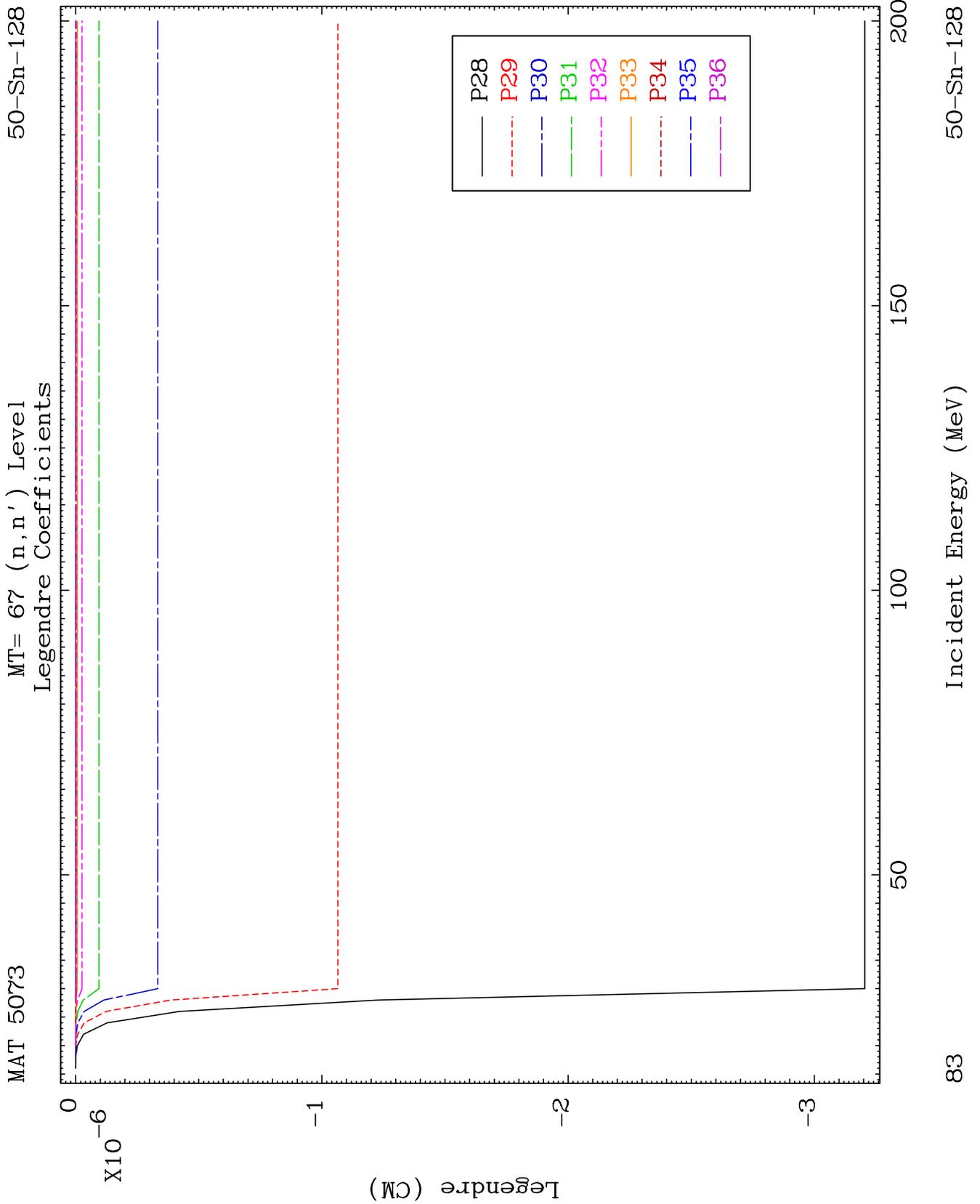
MAT 5073

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

50-Sn-128



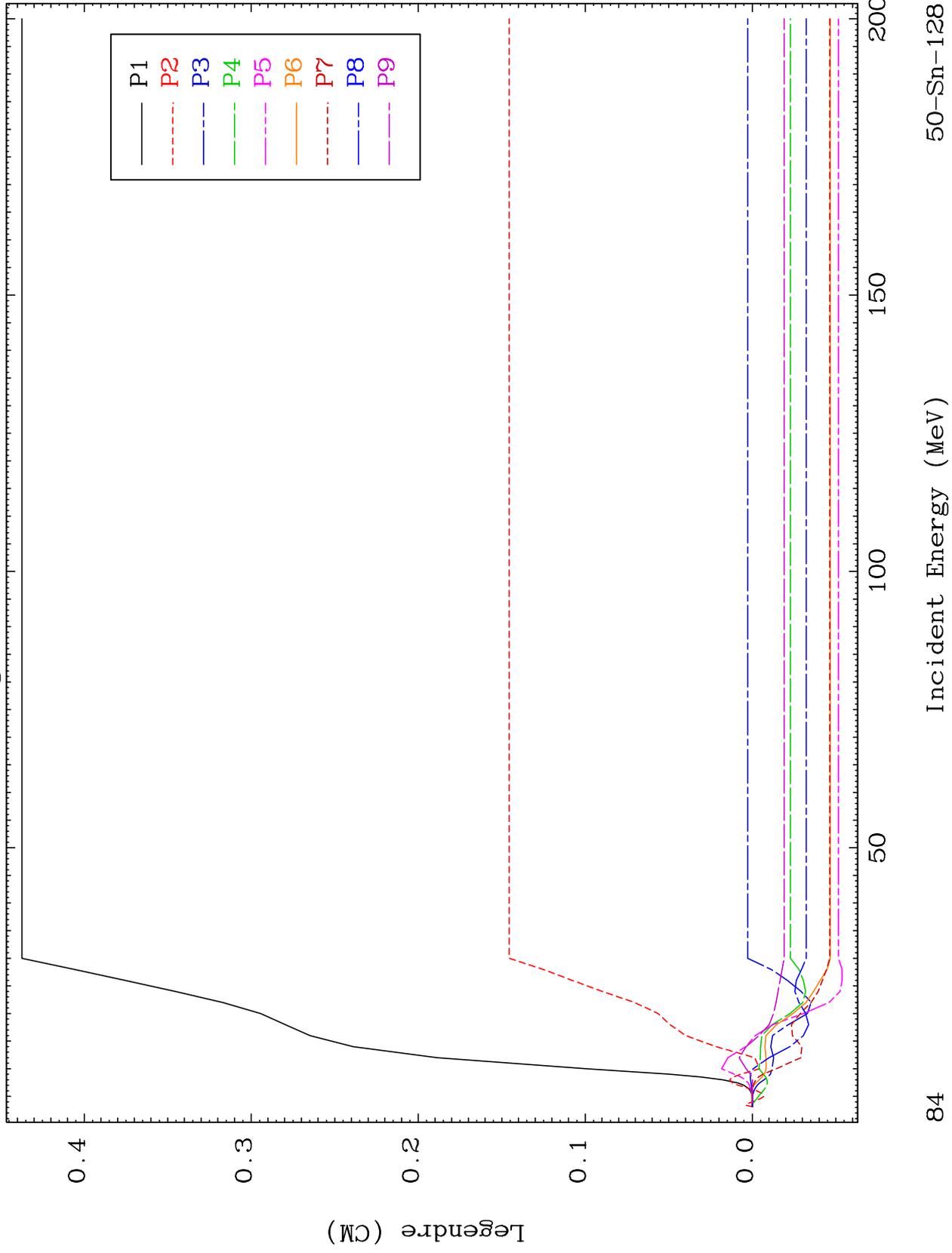




MAT 5073

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

50-Sn-128



84

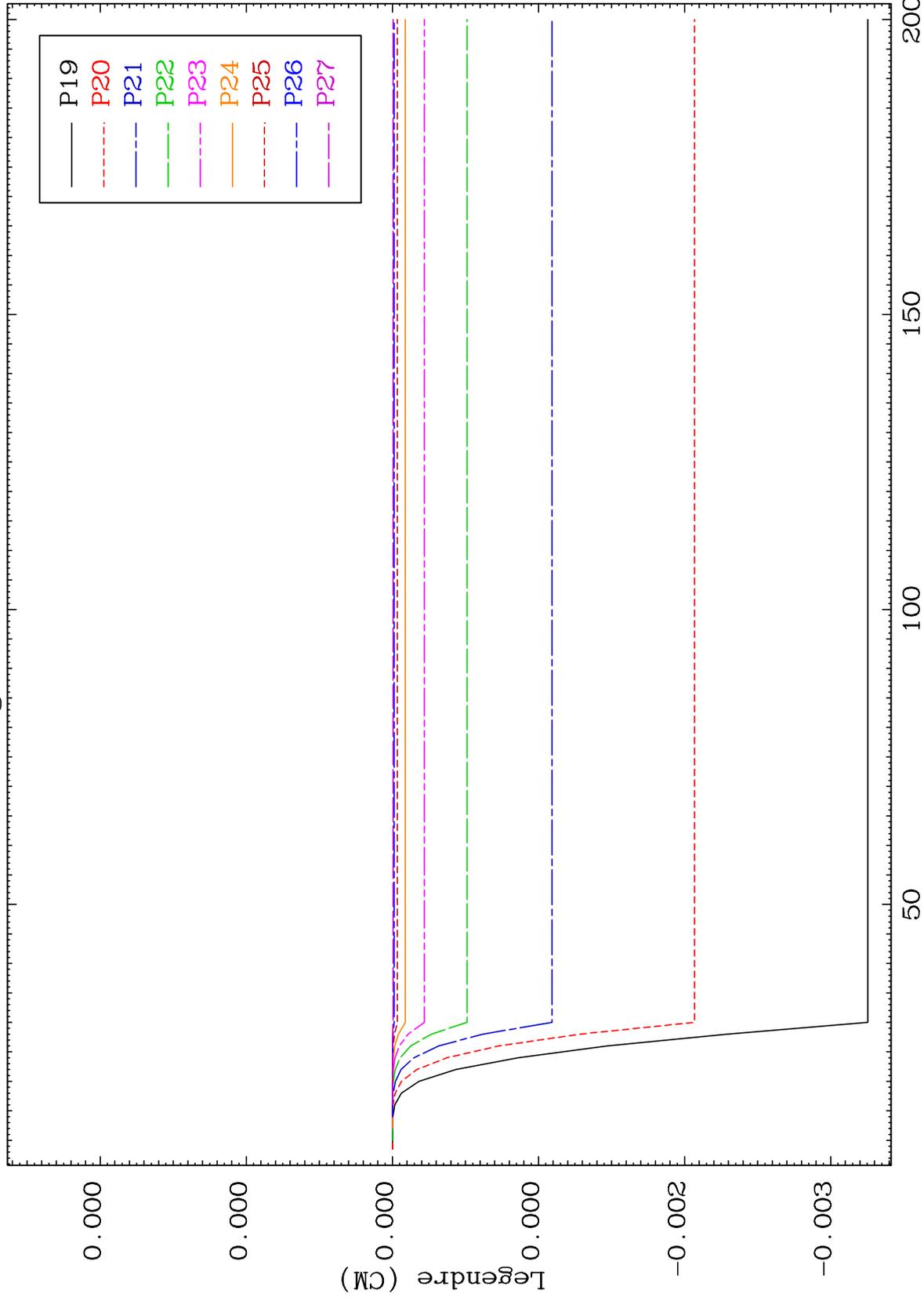
Incident Energy (MeV)

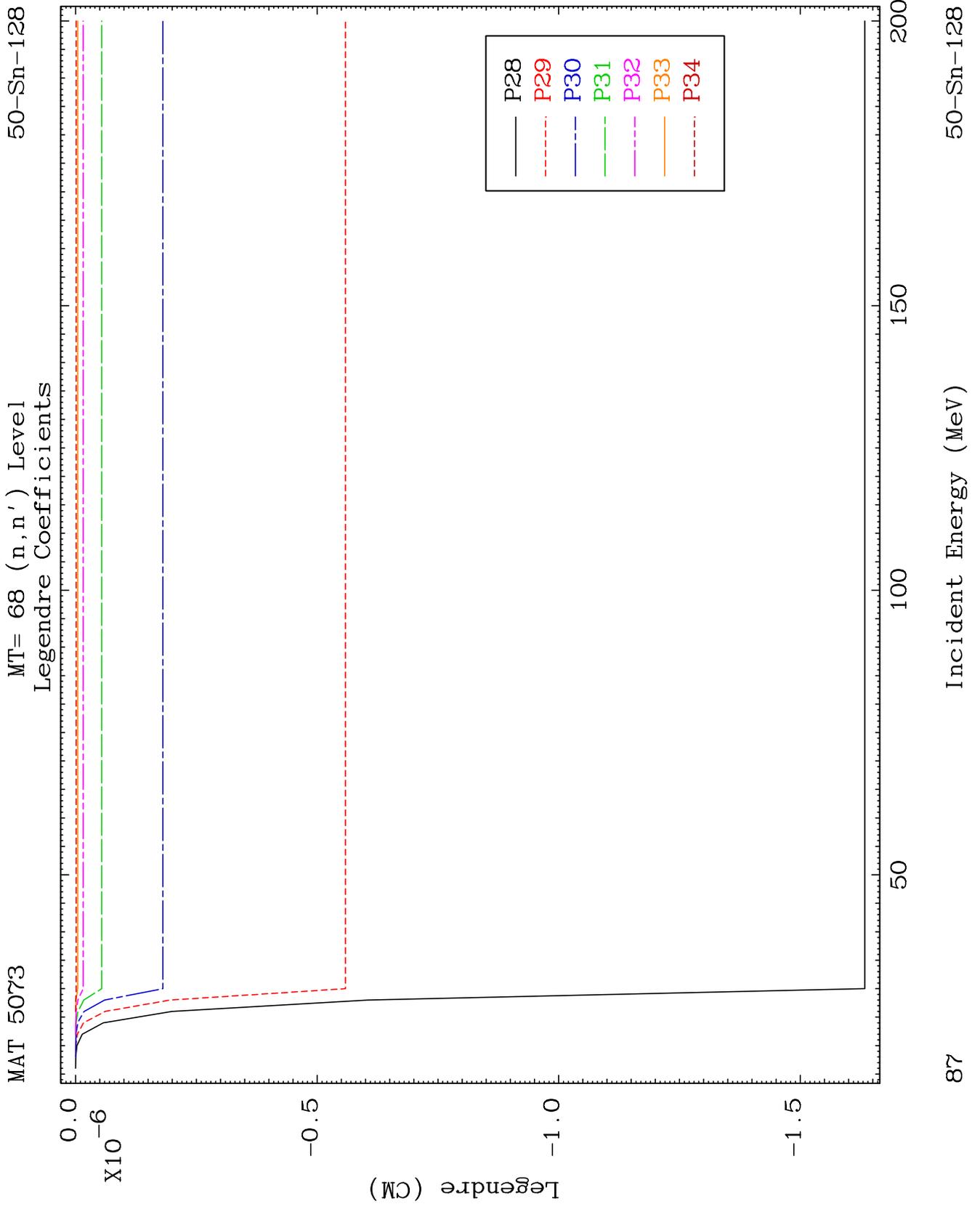
50-Sn-128

MAT 5073

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

50-Sn-128

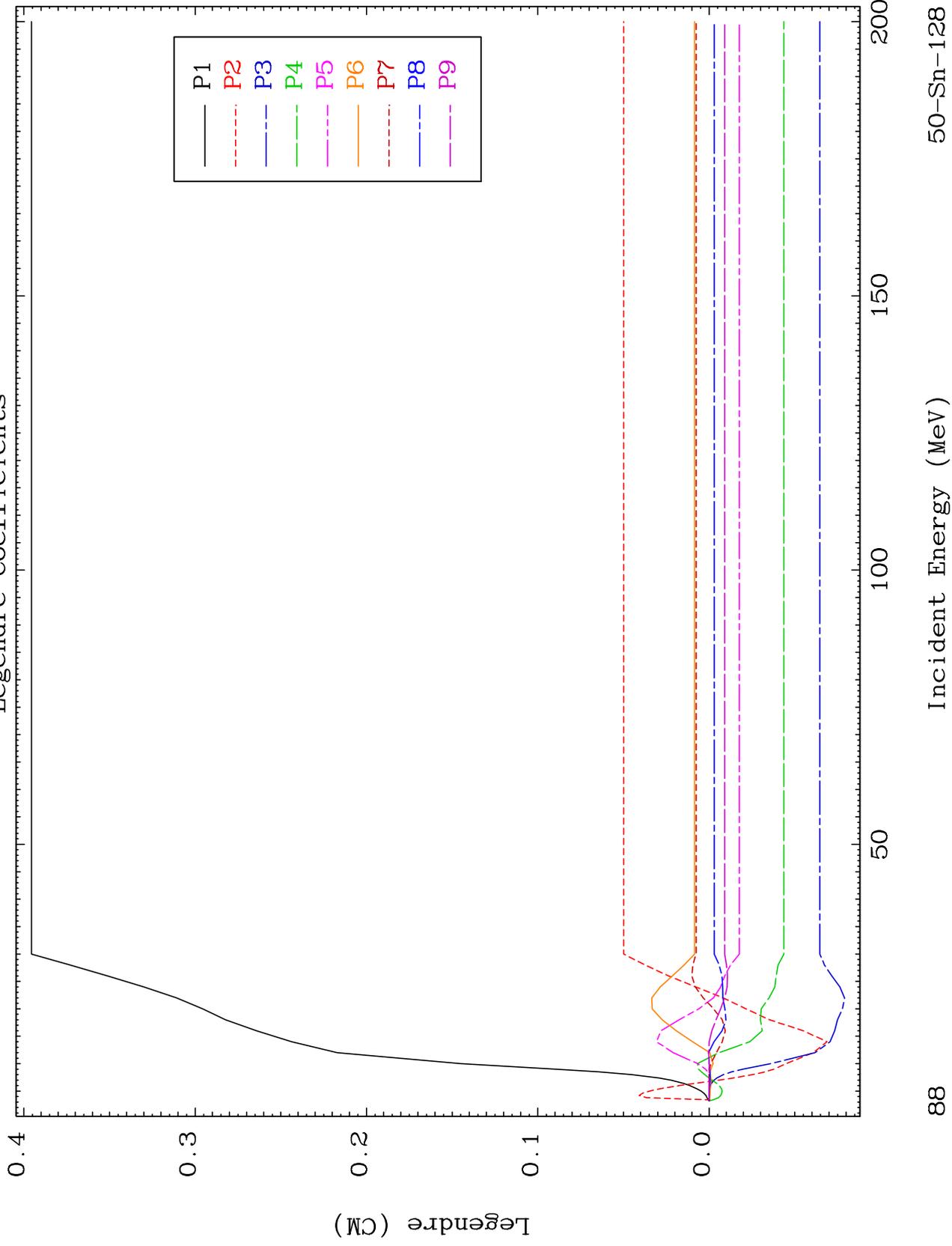




MAT 5073

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

50-Sn-128



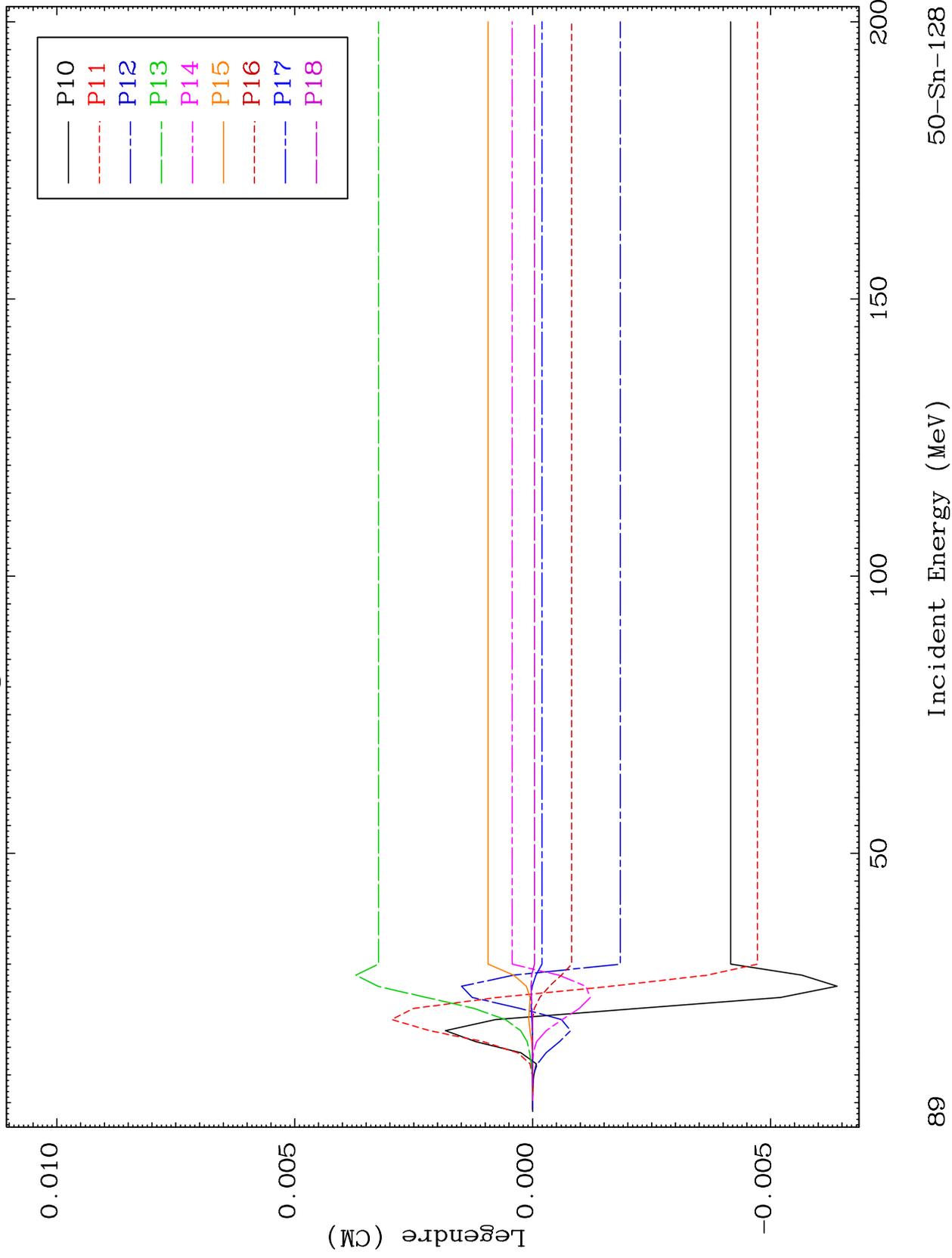
88

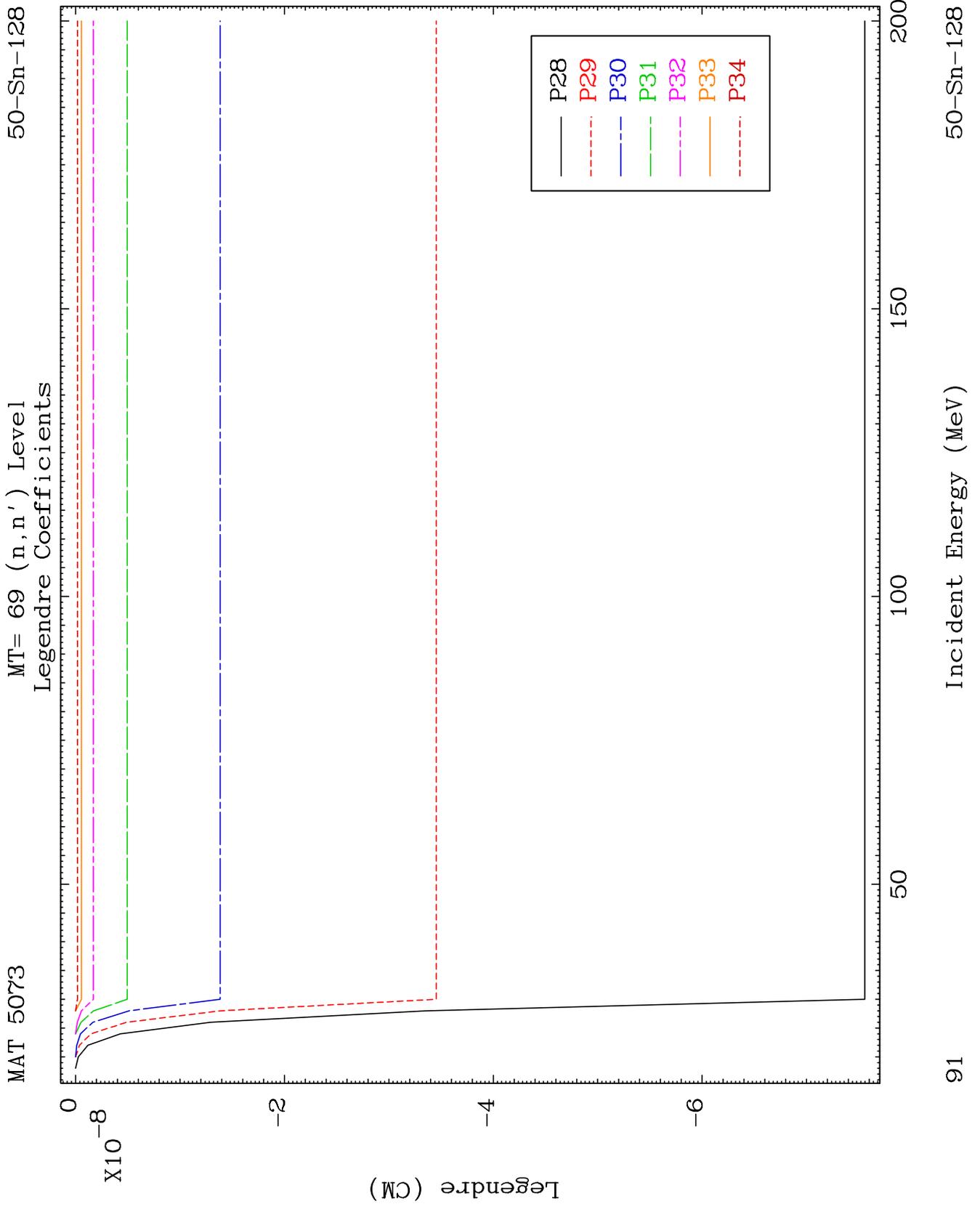
50-Sn-128

MAT 5073

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

50-Sn-128

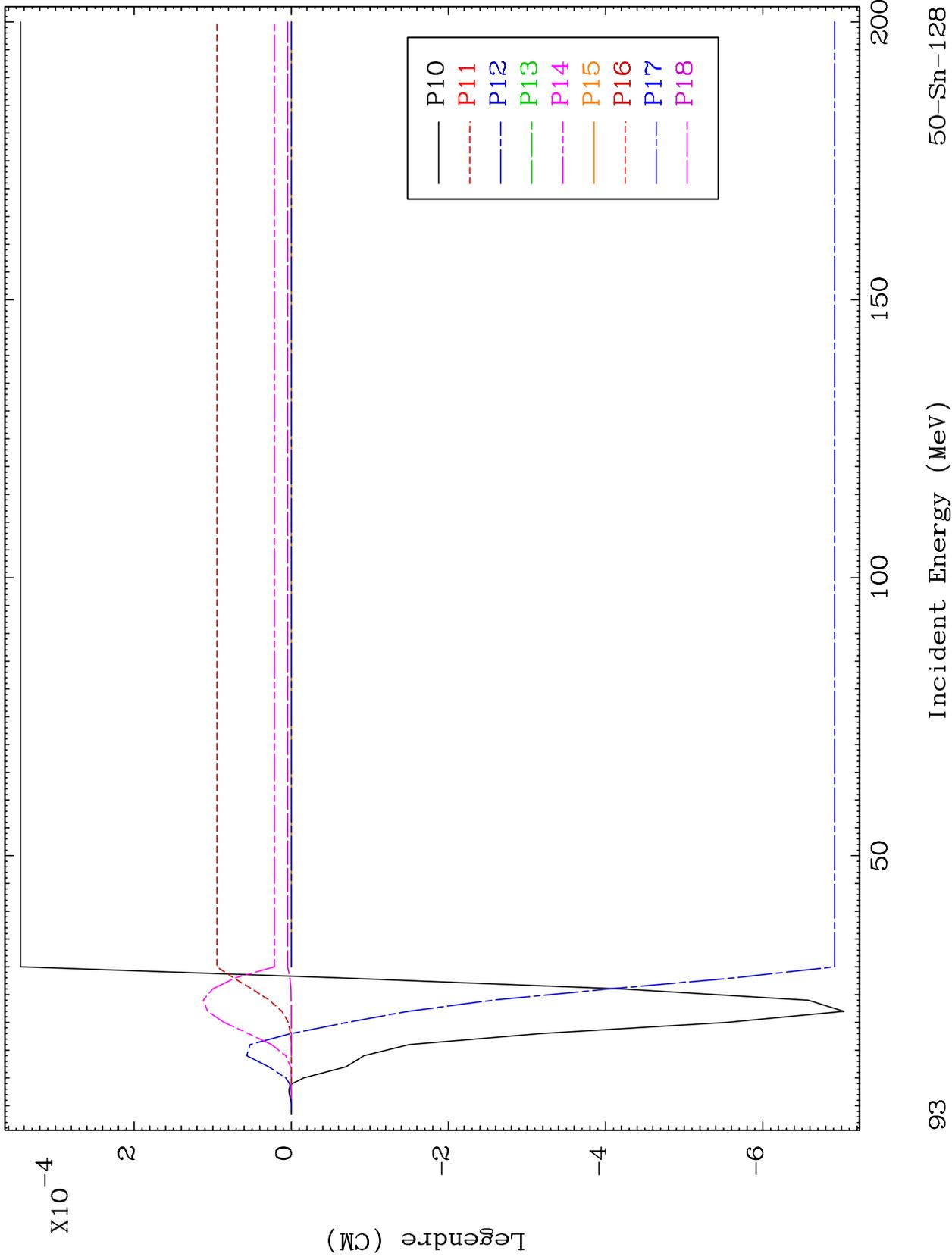


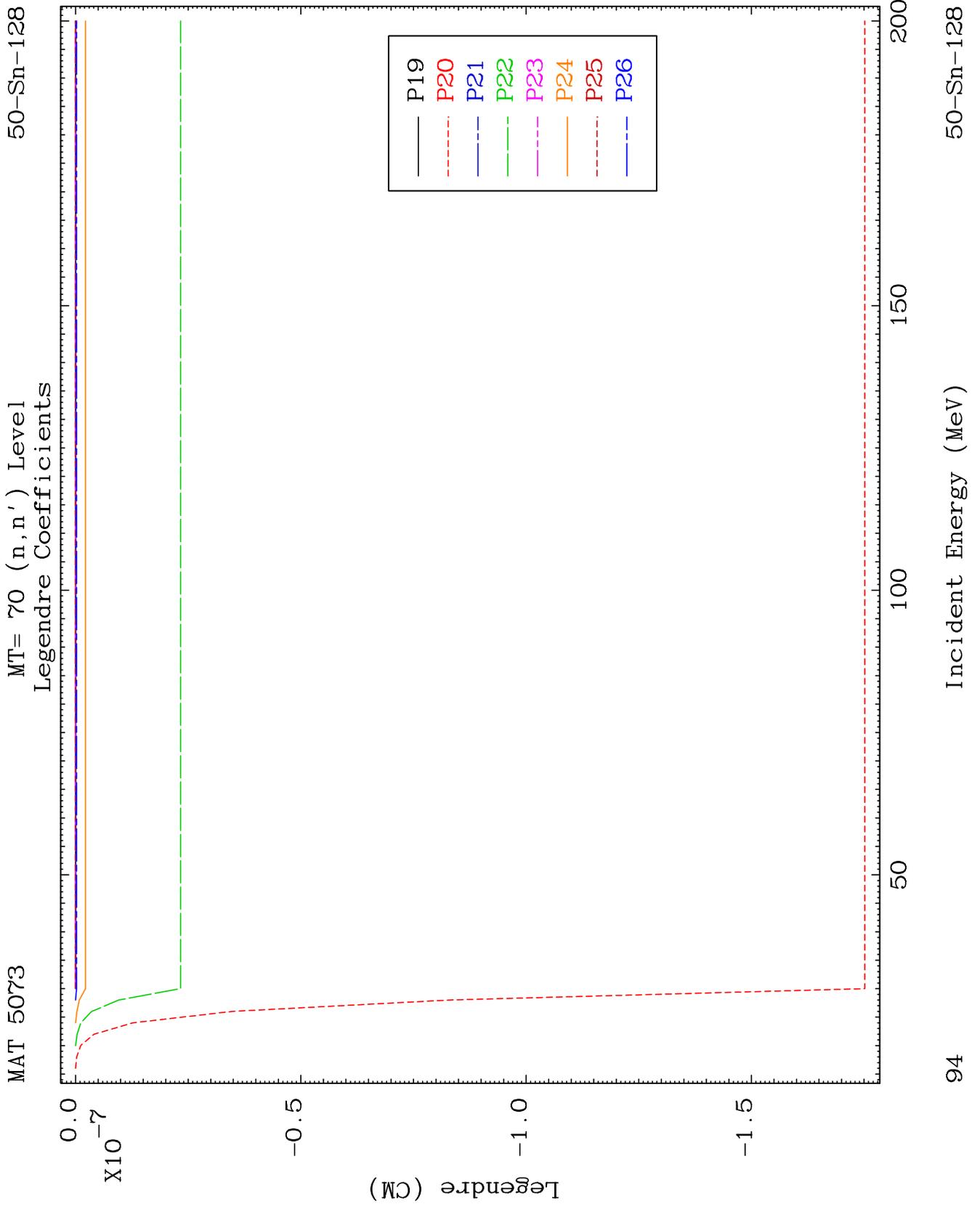


MAT 5073

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

50-Sn-128

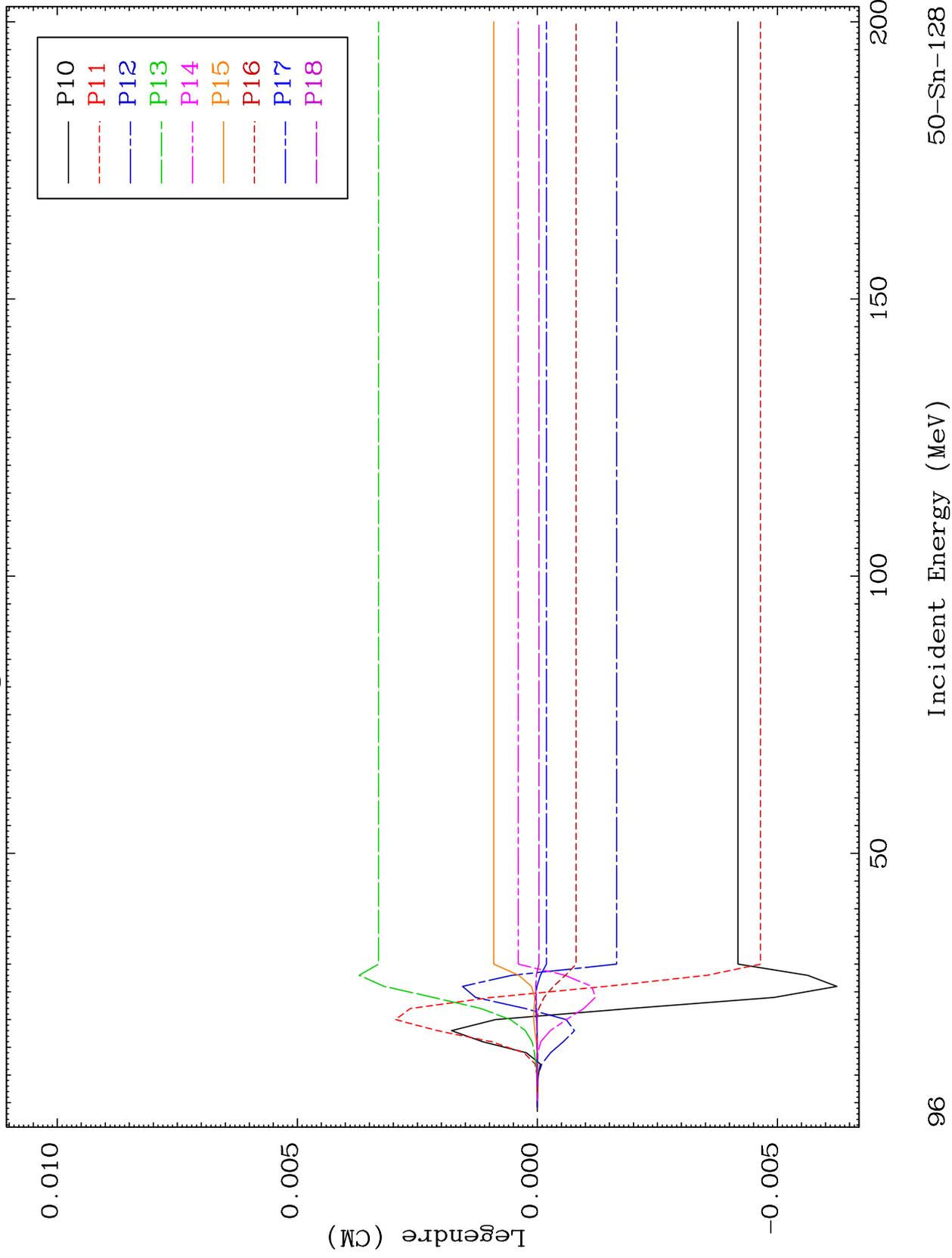




MAT 5073

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

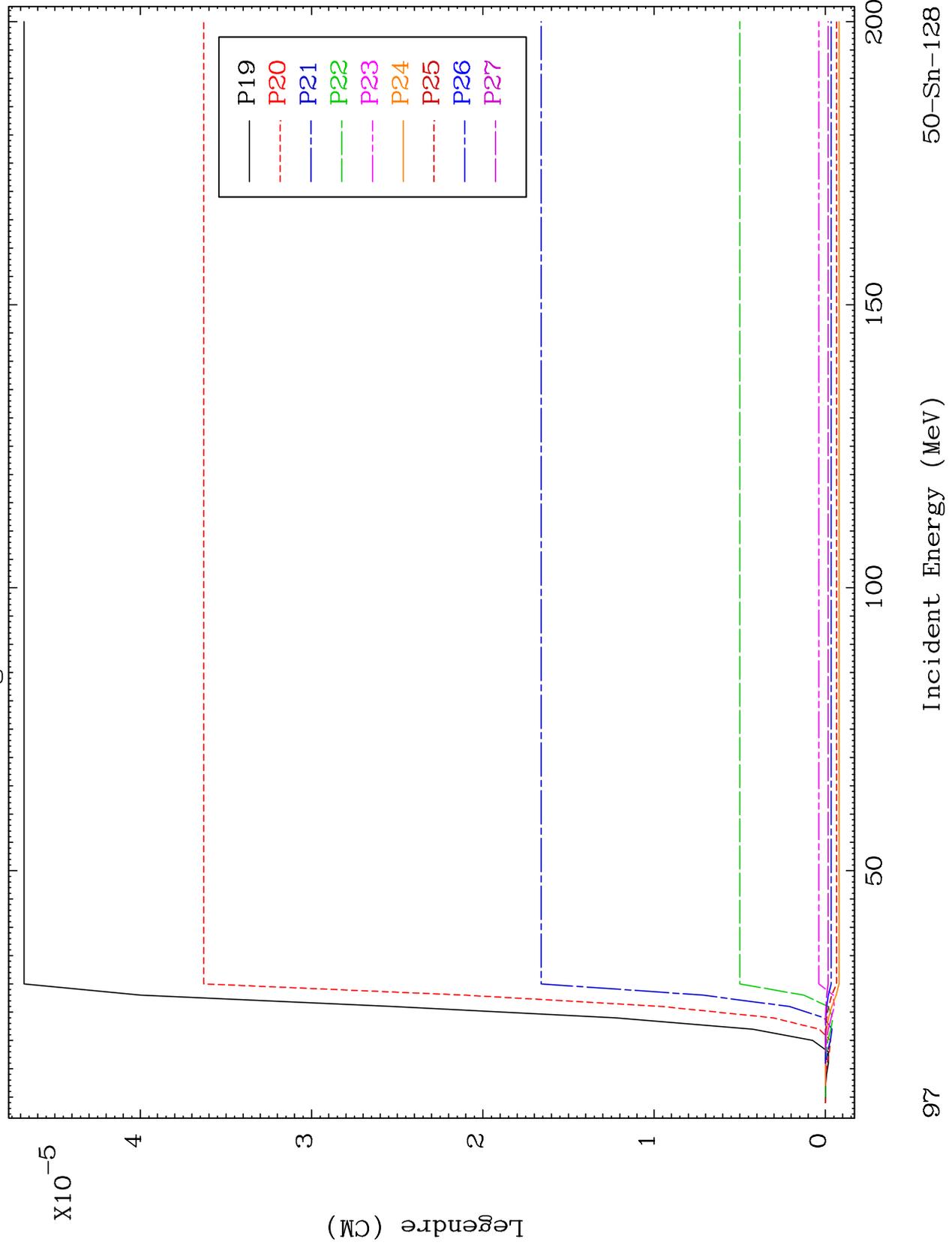
50-Sn-128

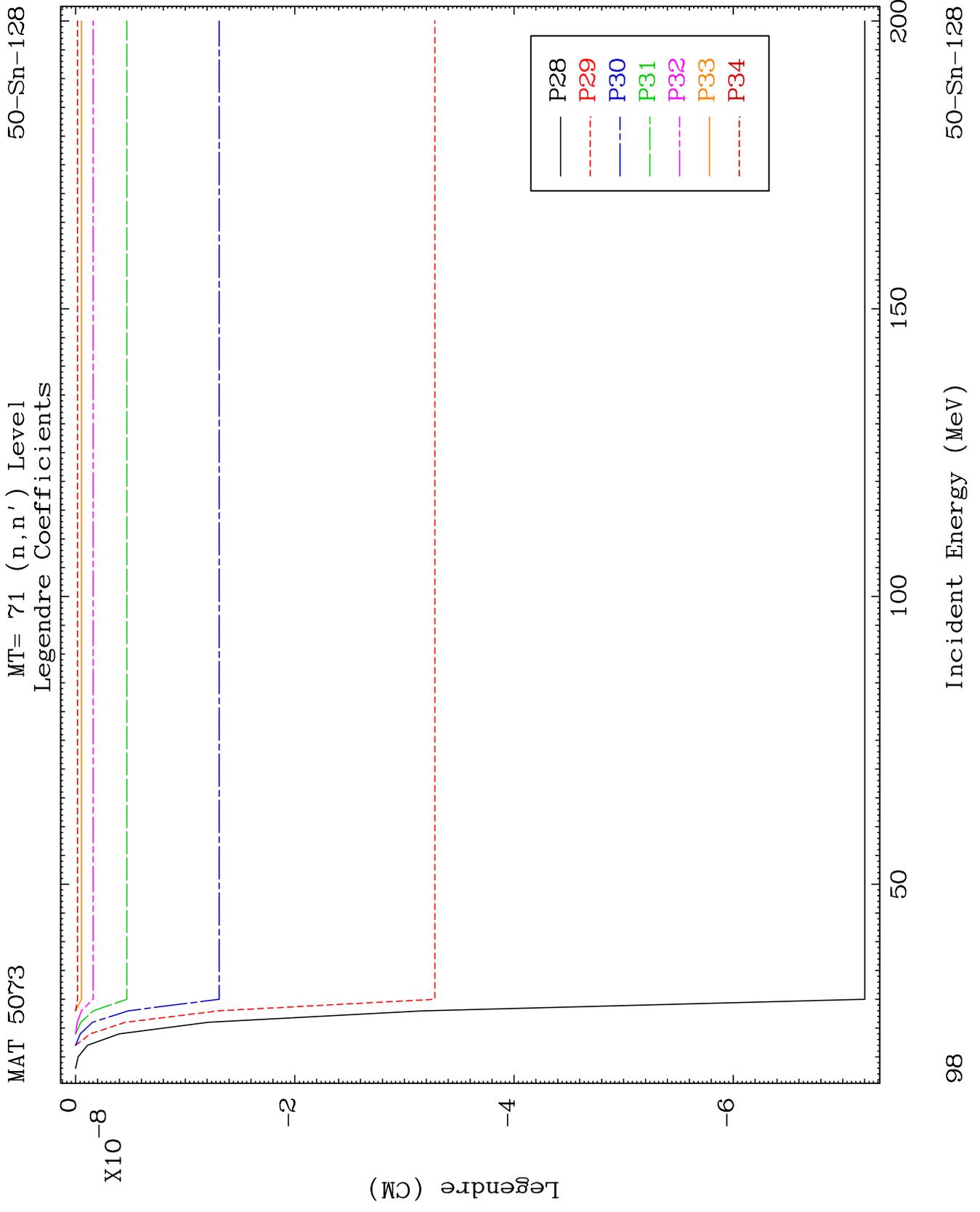


MAT 5073

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

50-Sn-128

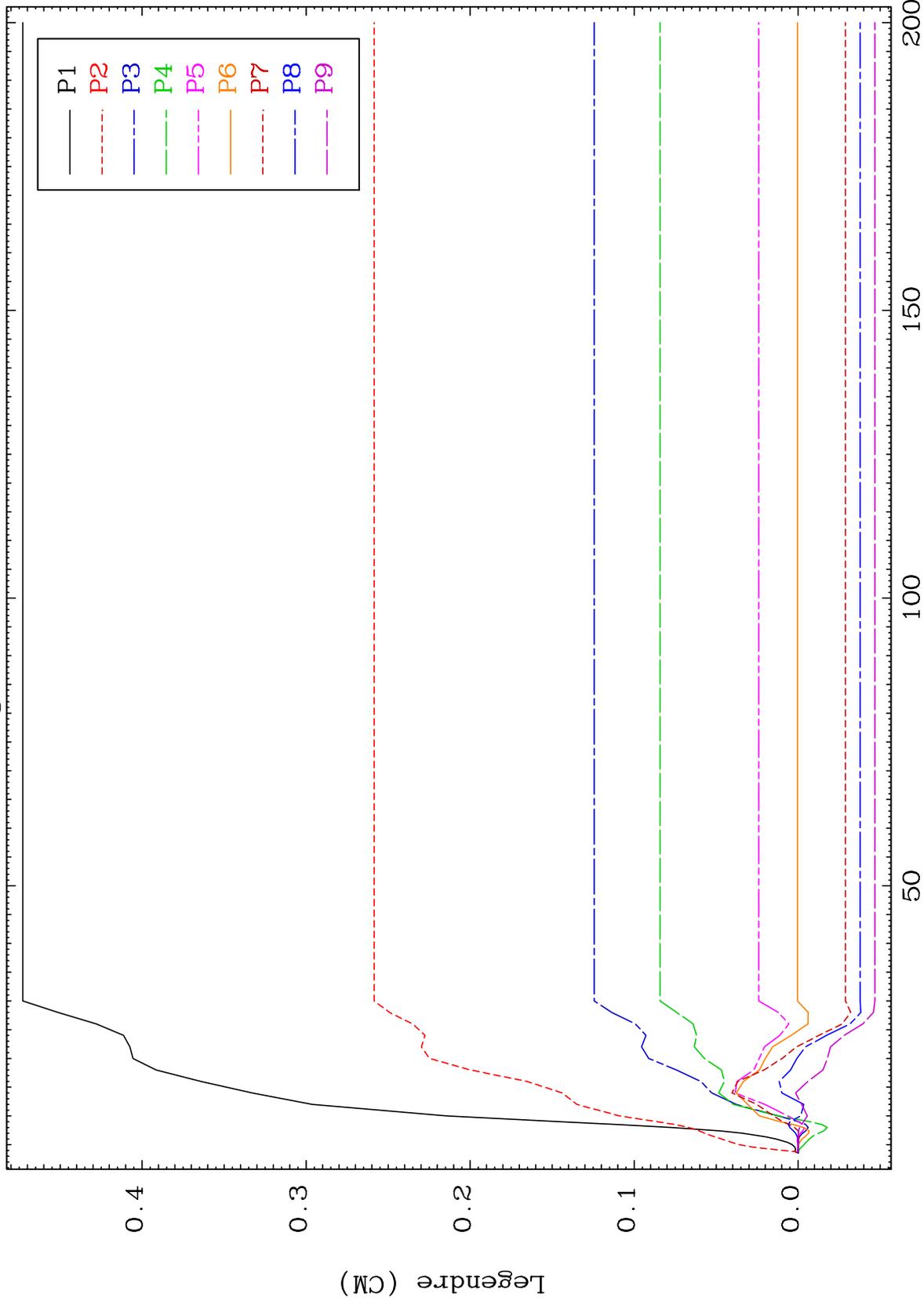




MAT 5073

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

50-Sn-128



99

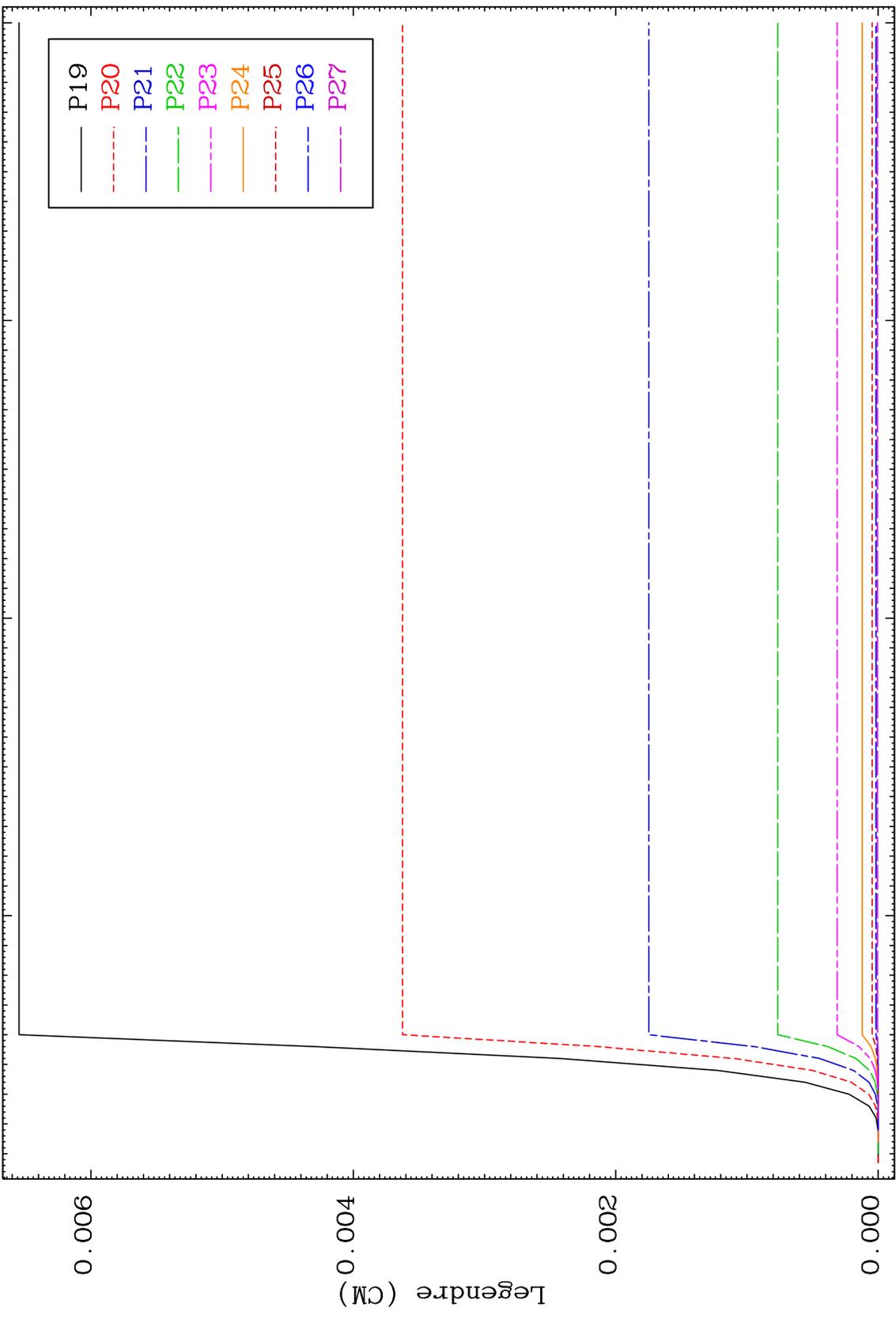
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



101

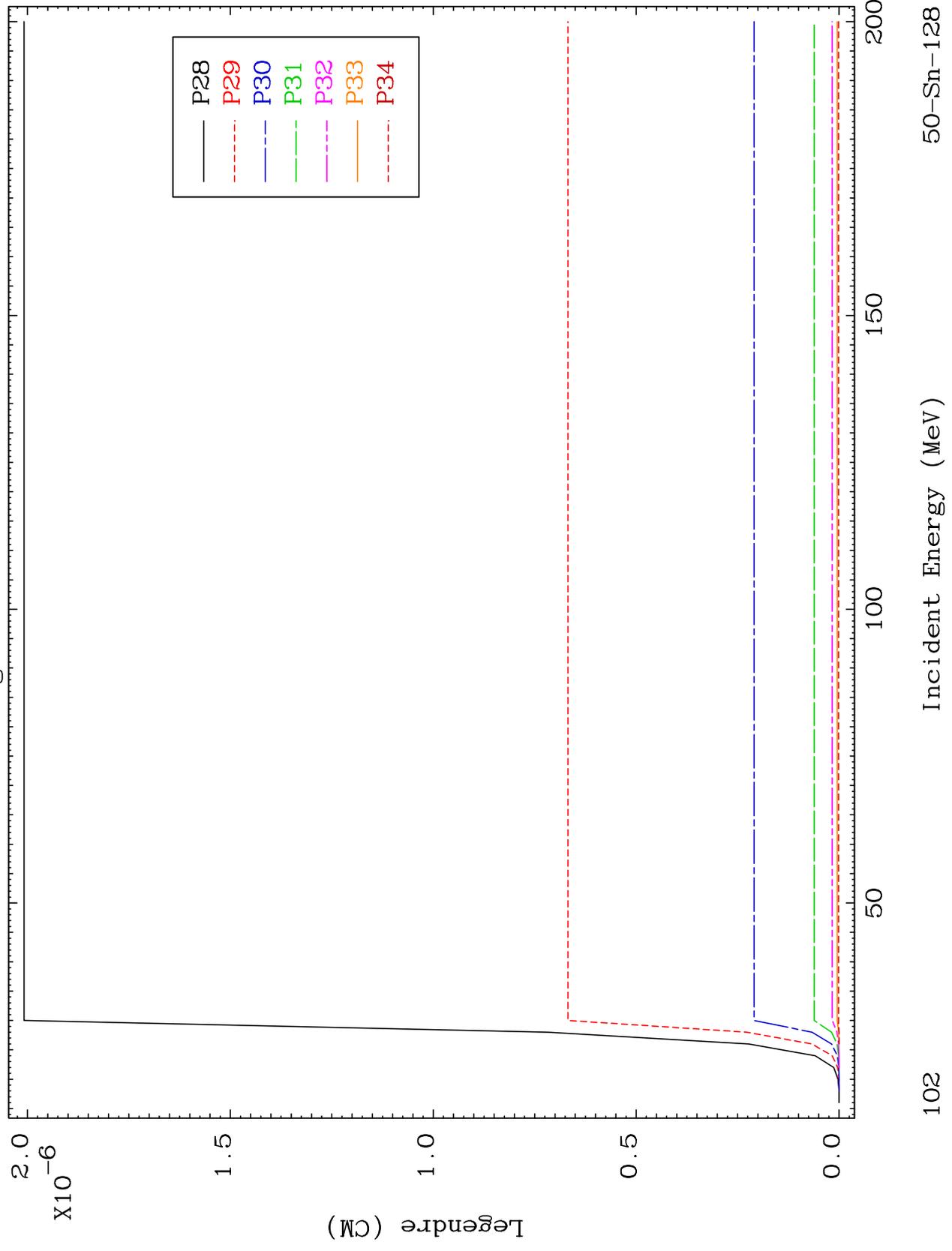
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



102

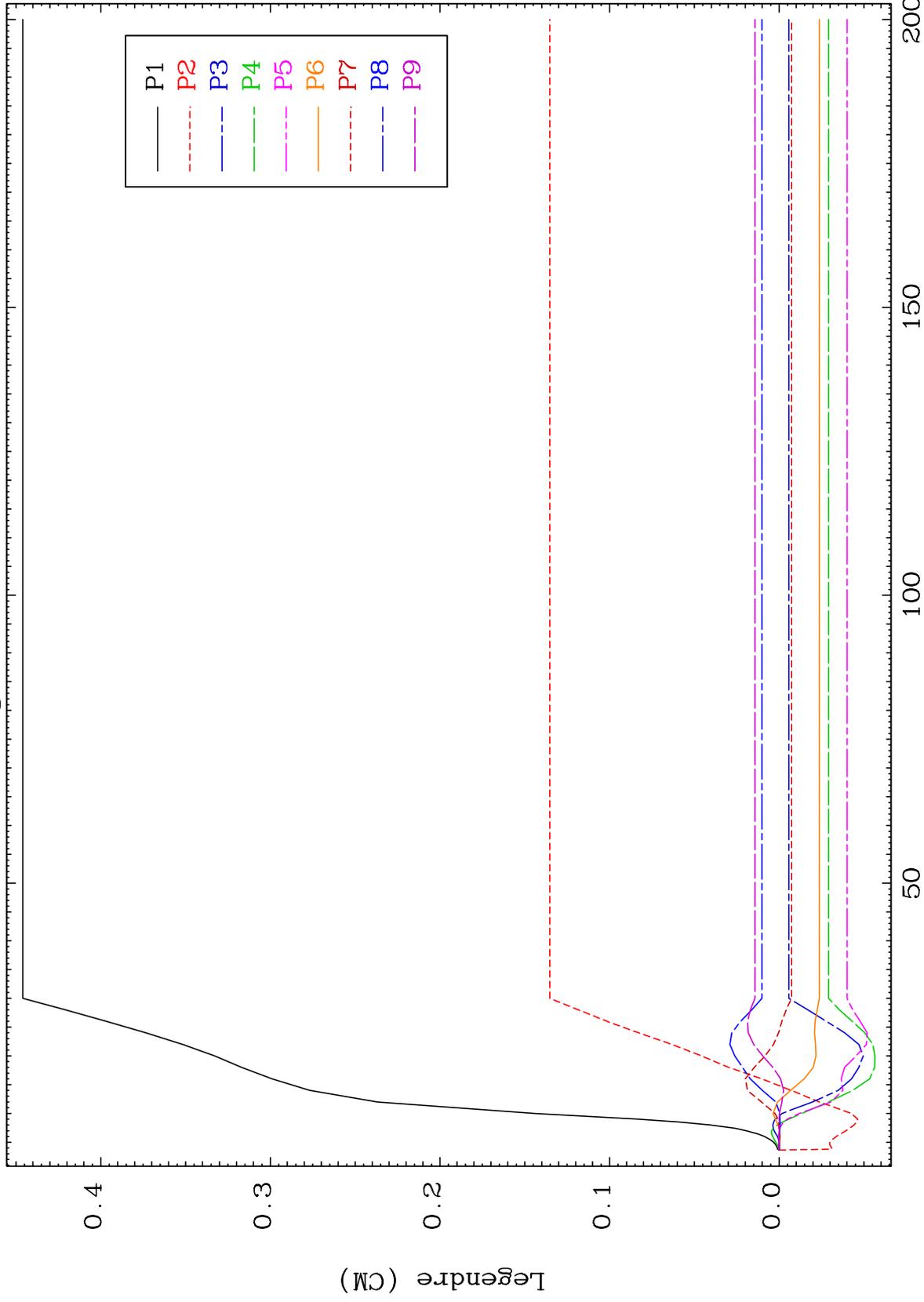
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



103

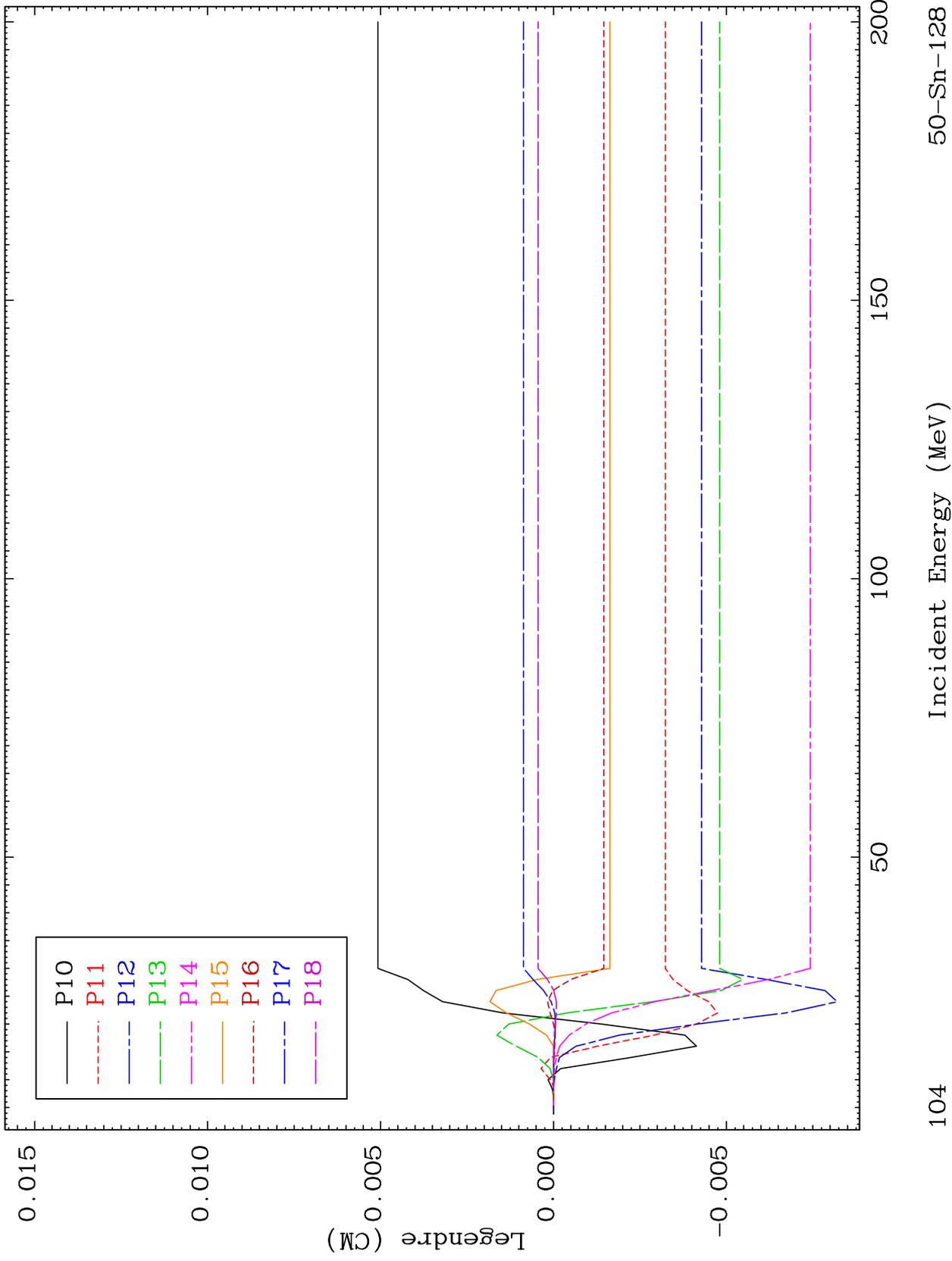
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



104

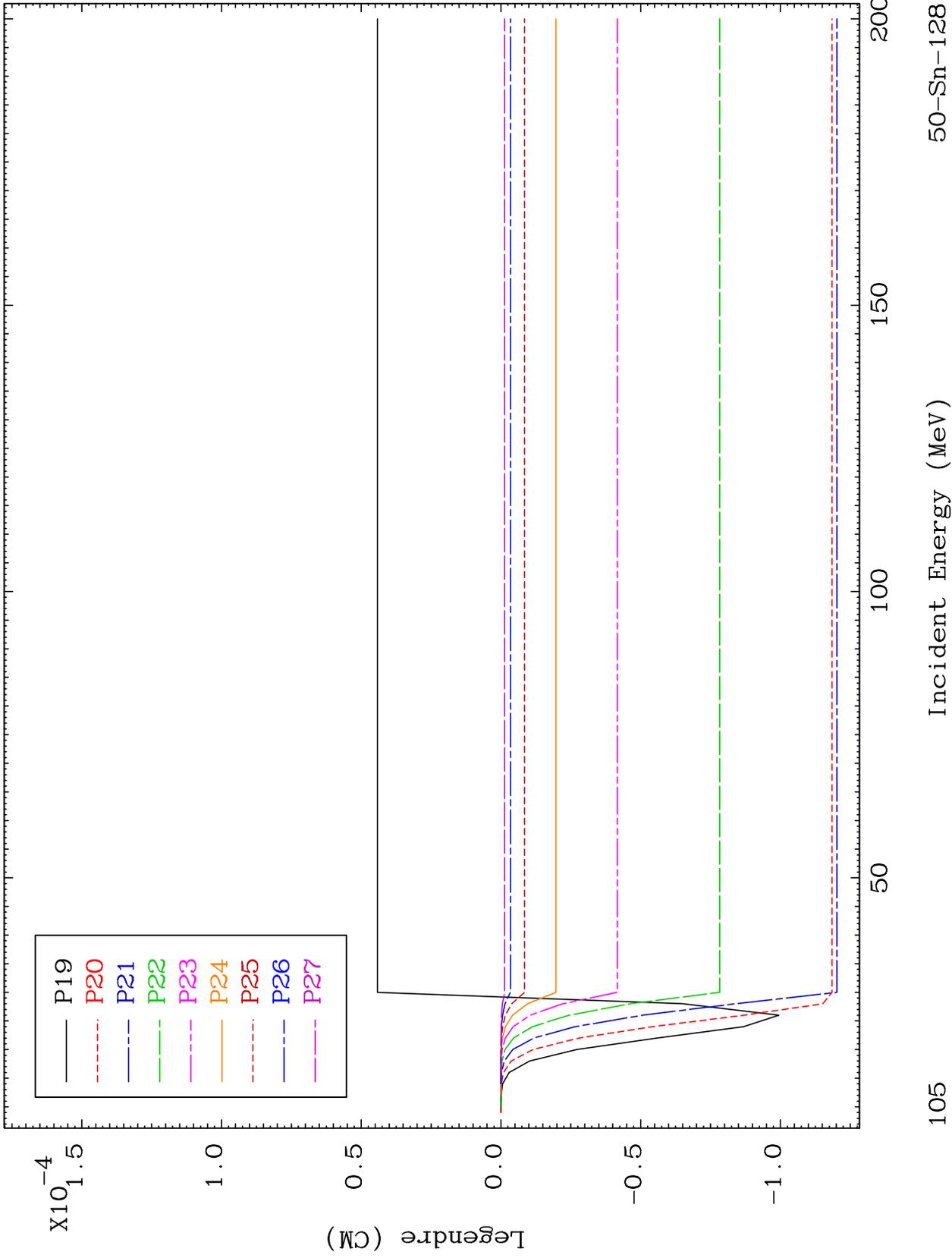
Incident Energy (MeV)

50-Sn-128

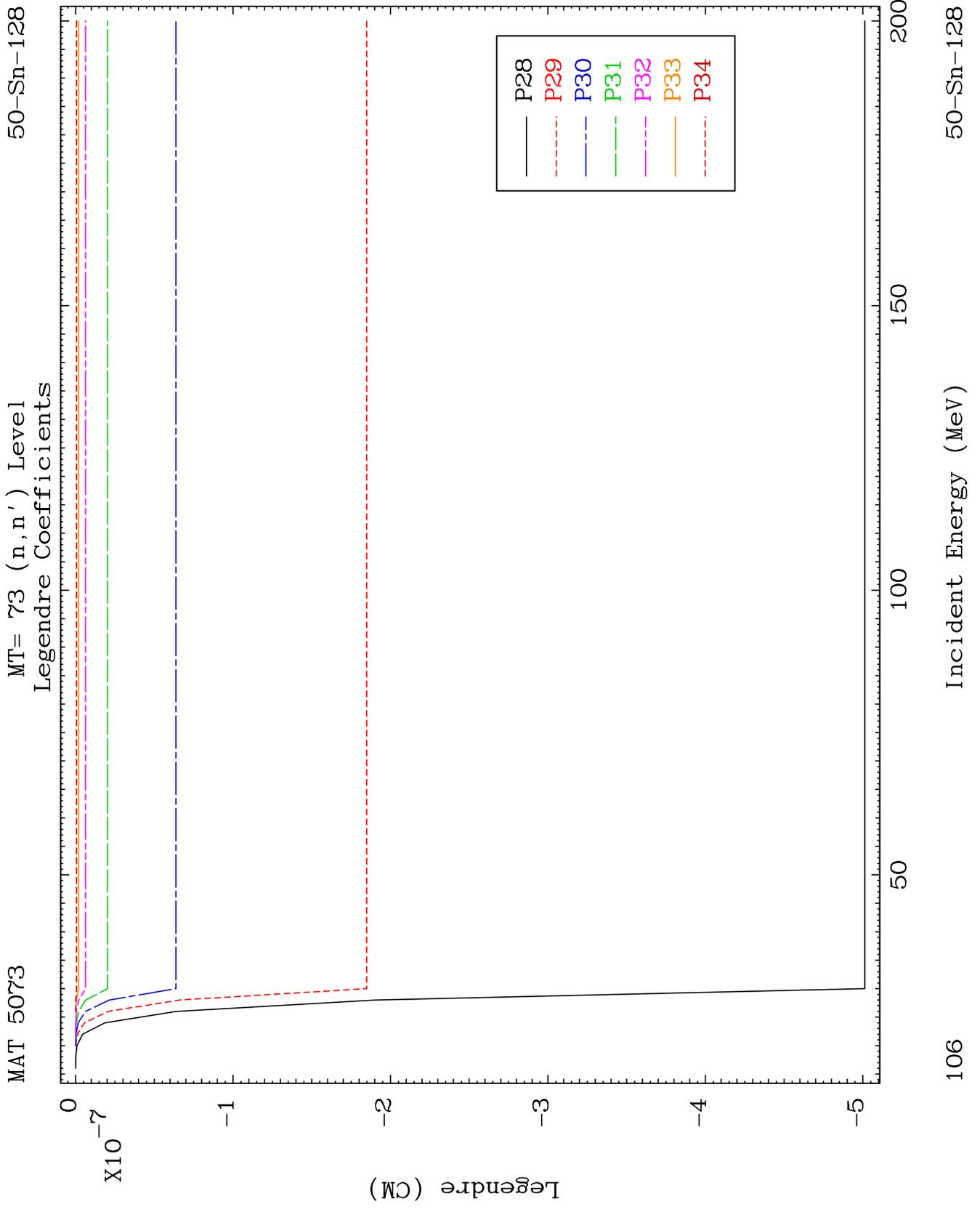
MAT 5073

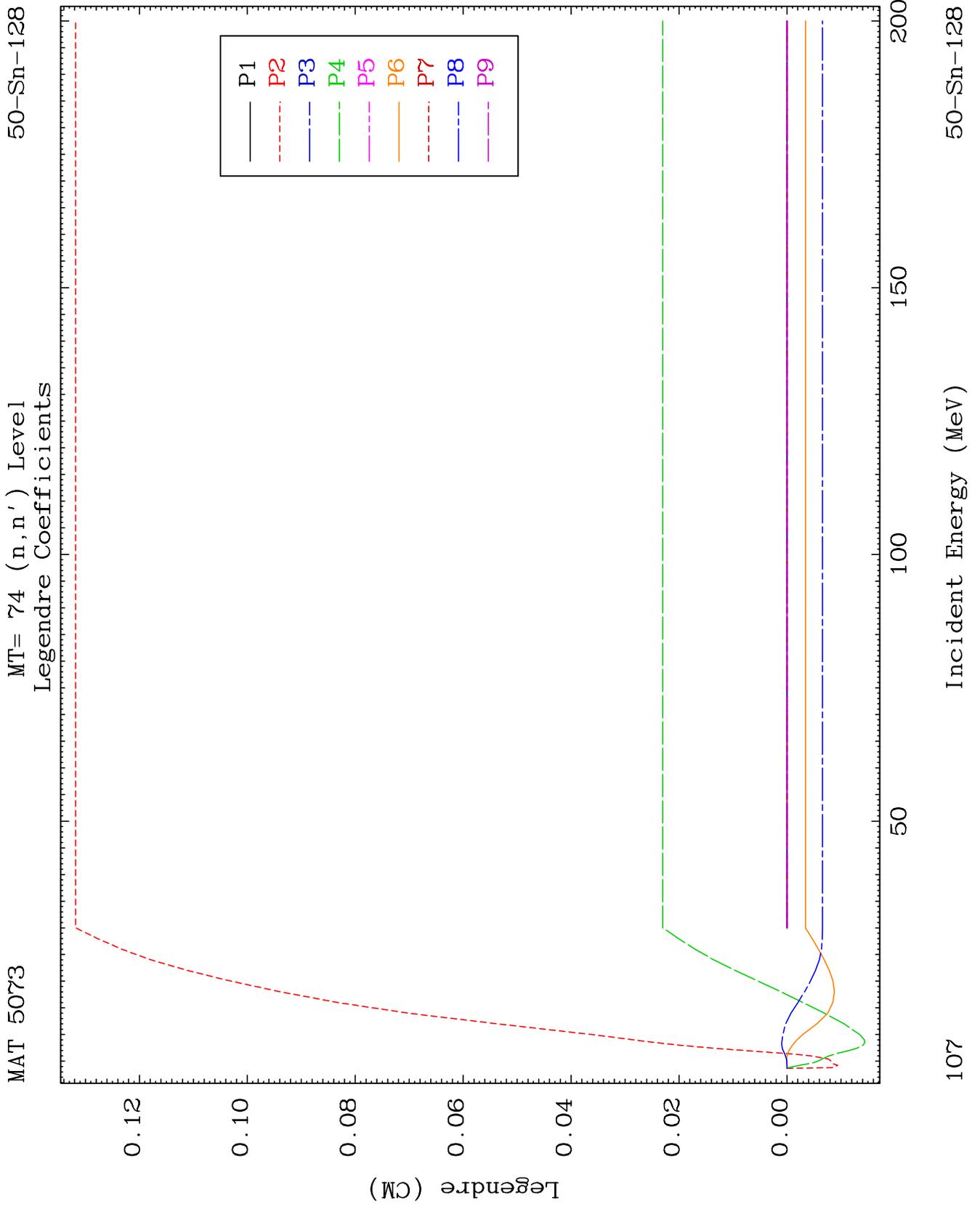
MT= 73 (n,n') Level
Legendre Coefficients

50-Sn-128



105

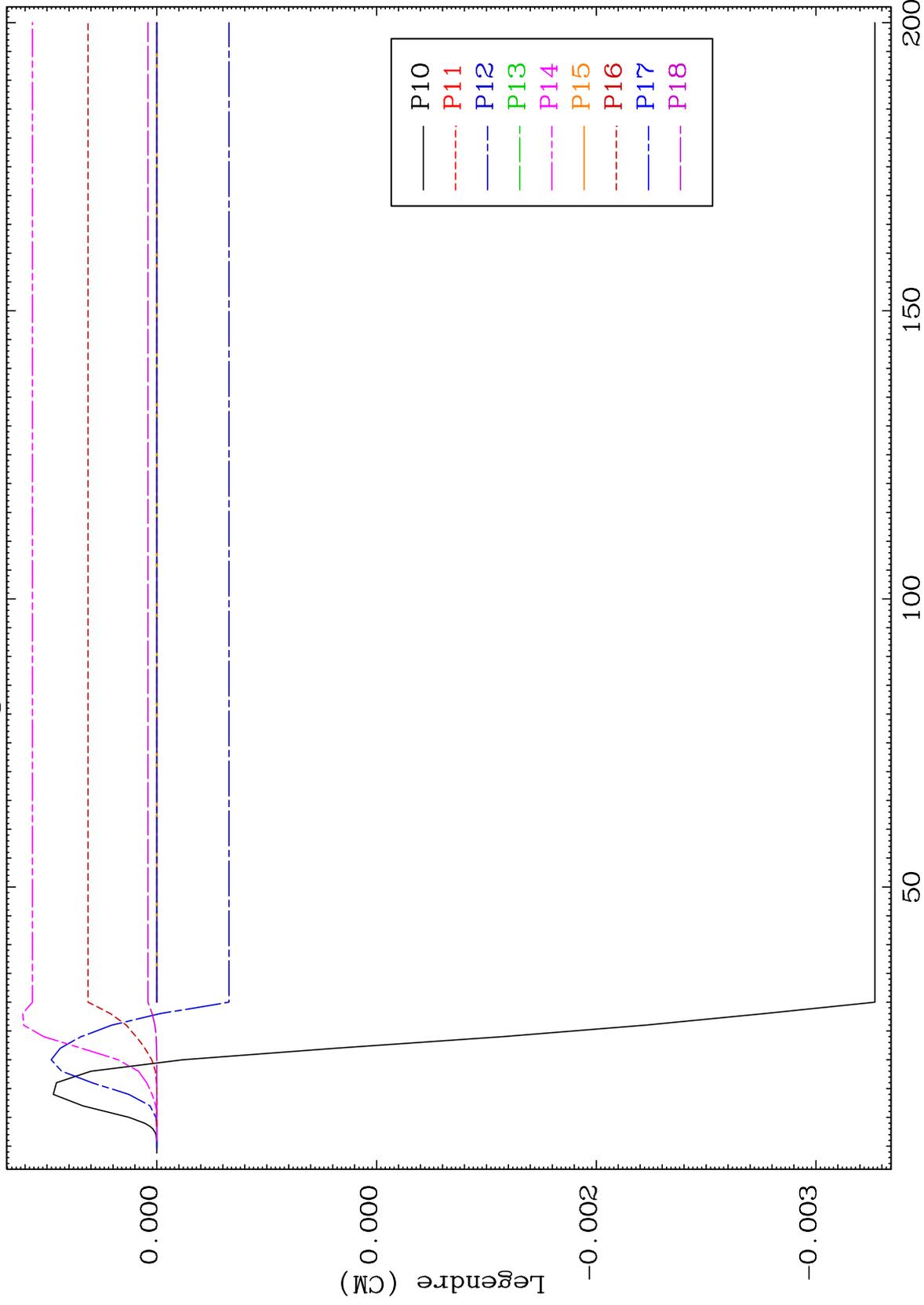




MAT 5073

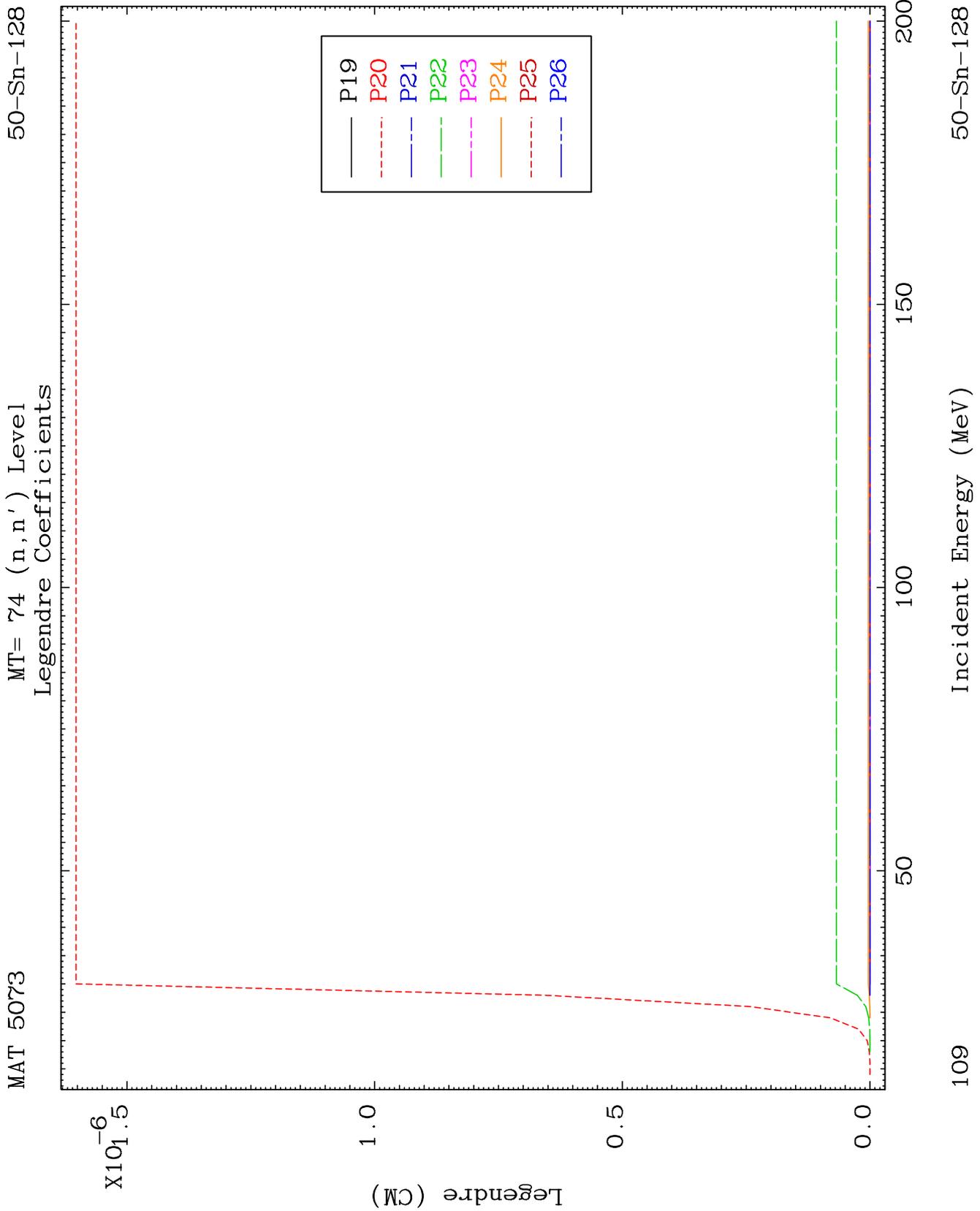
MT= 74 (n,n') Level
Legendre Coefficients

50-Sn-128



108

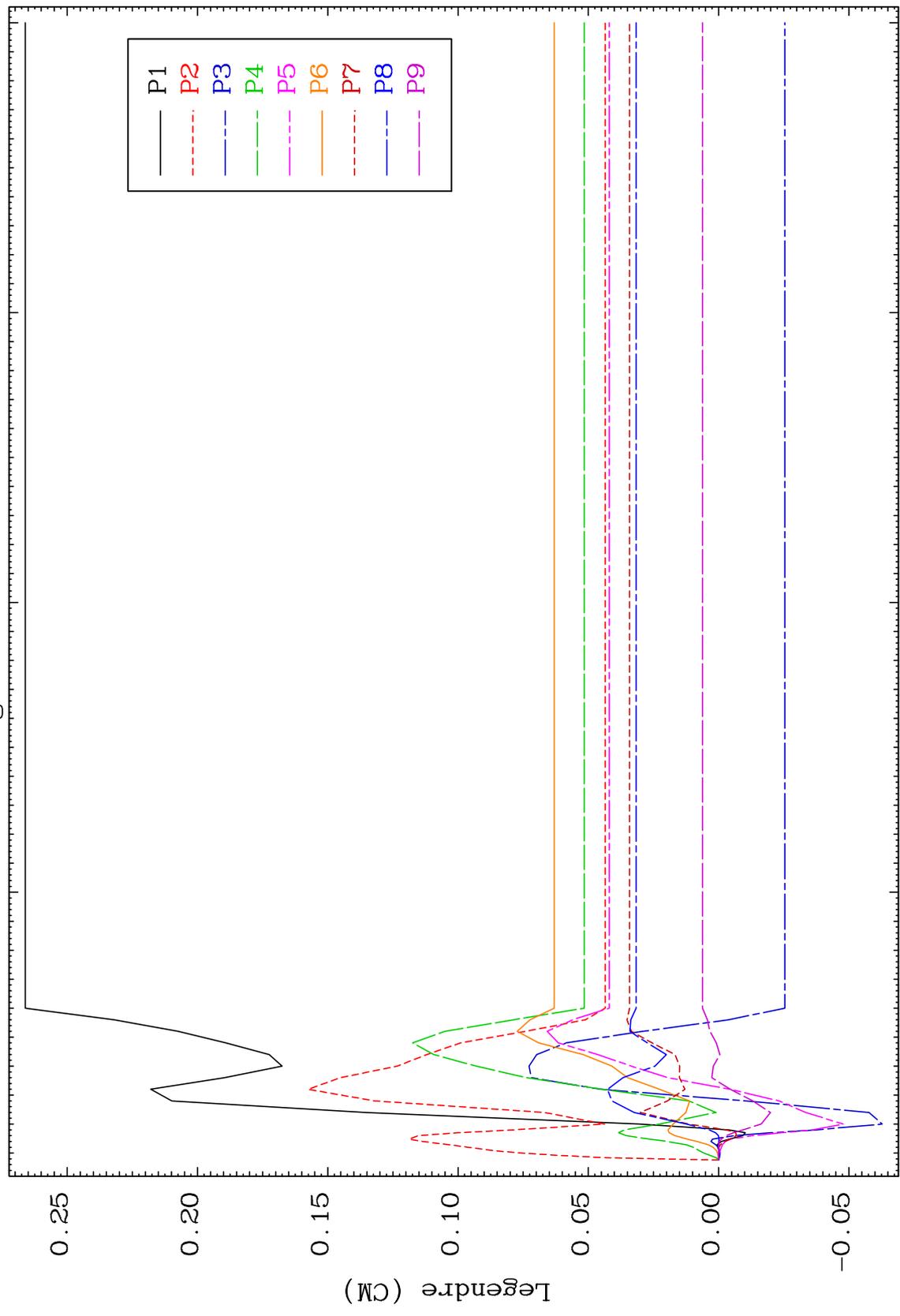
50-Sn-128



MAT 5073

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

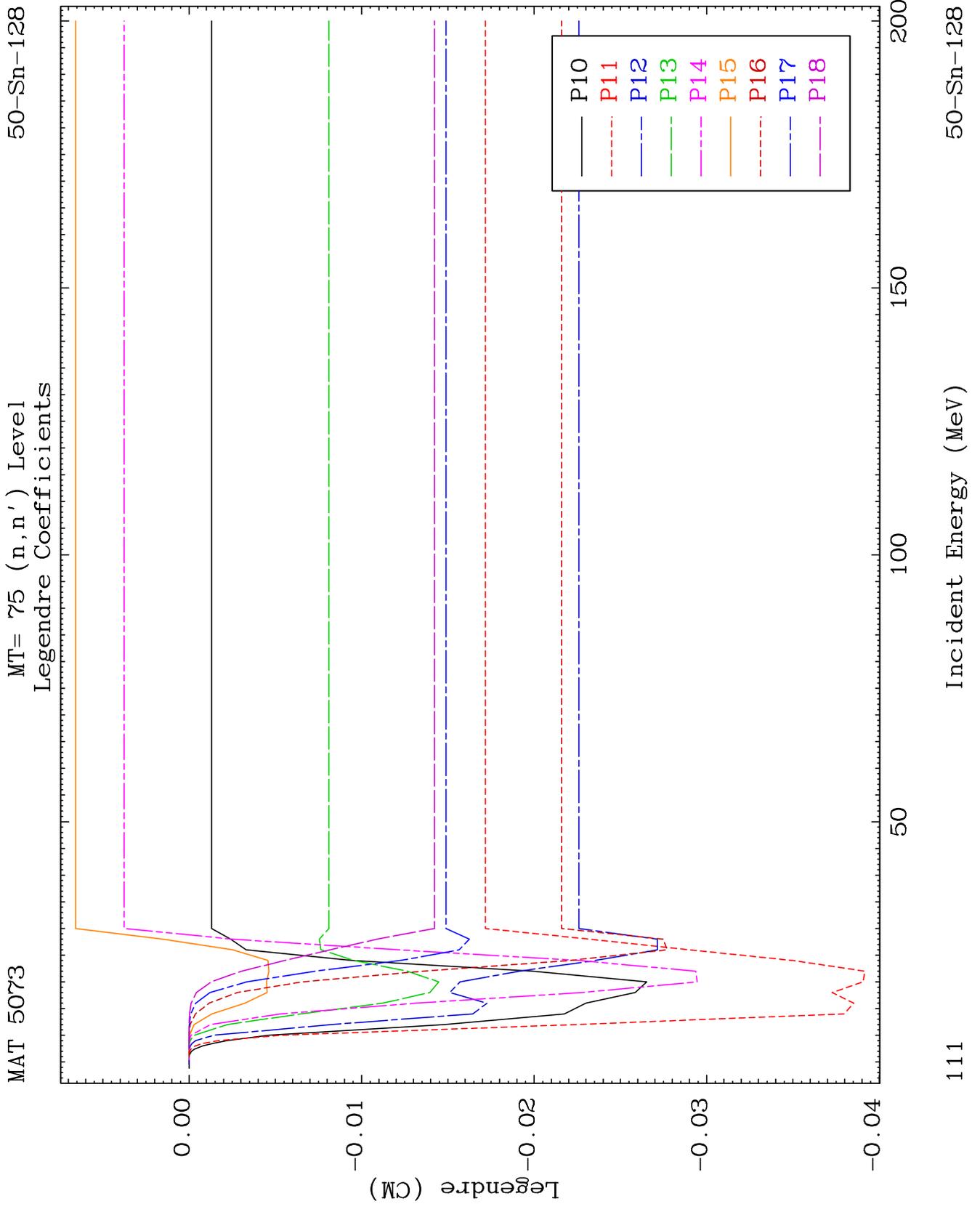
50-Sn-128

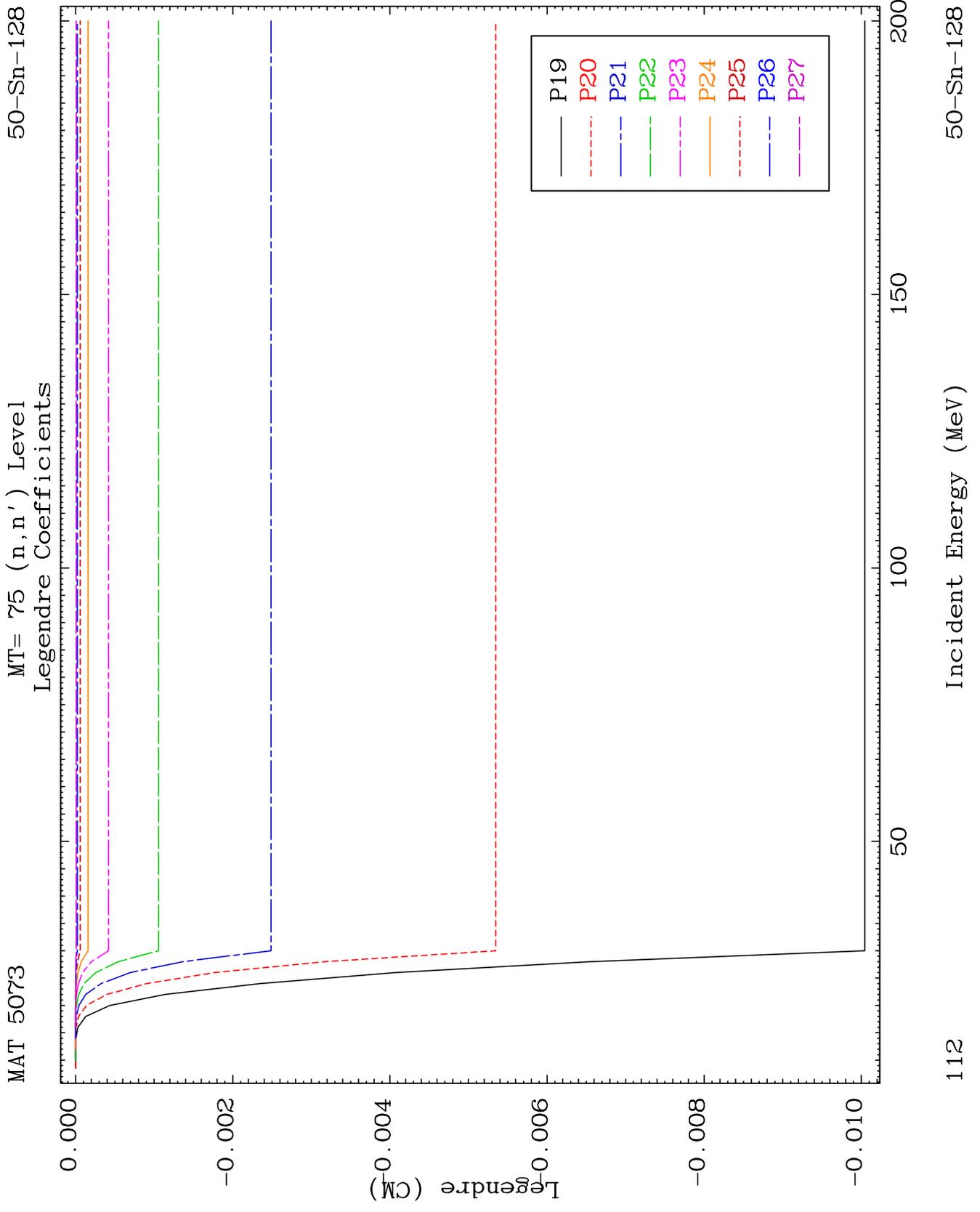


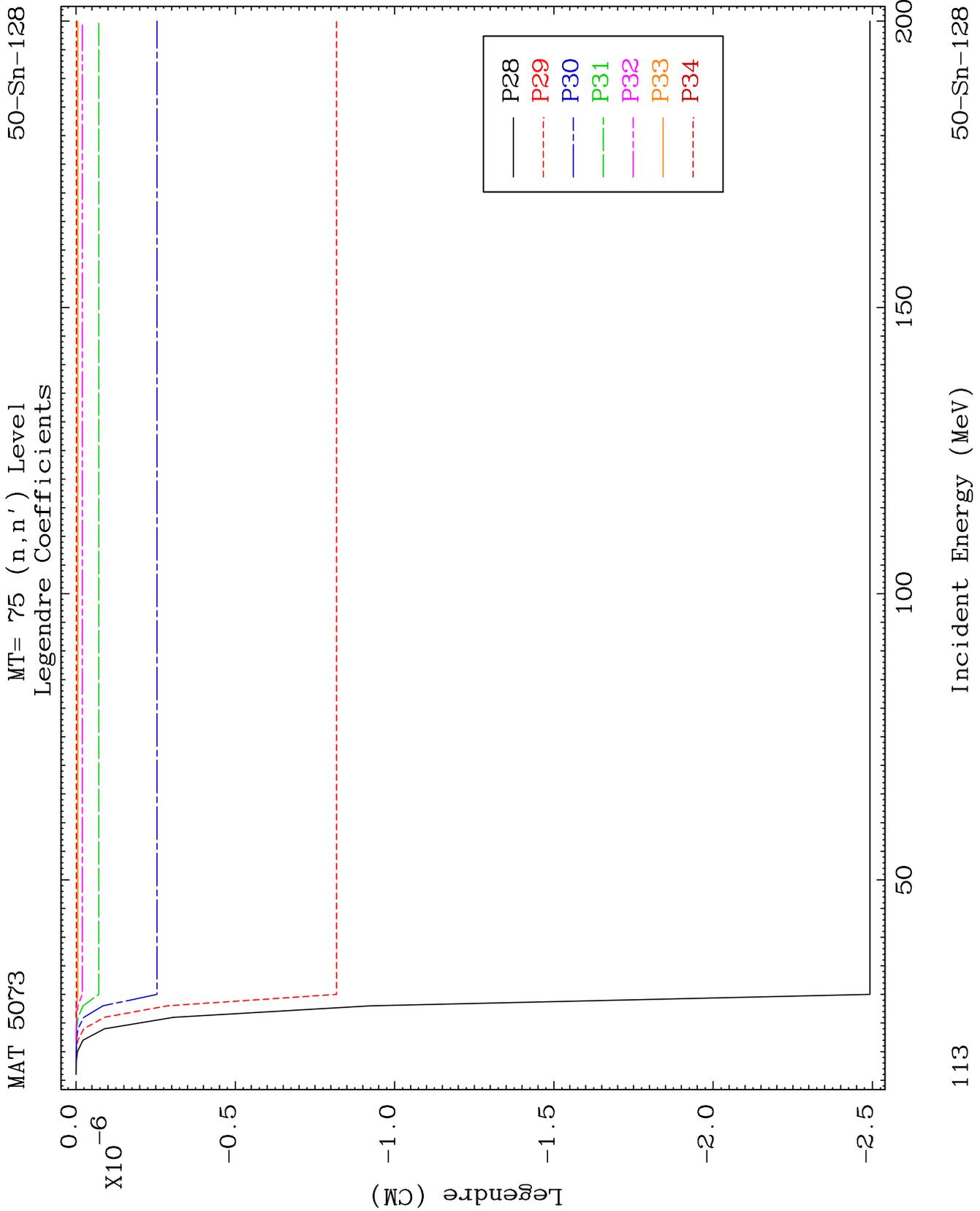
110

Incident Energy (MeV)

50-Sn-128



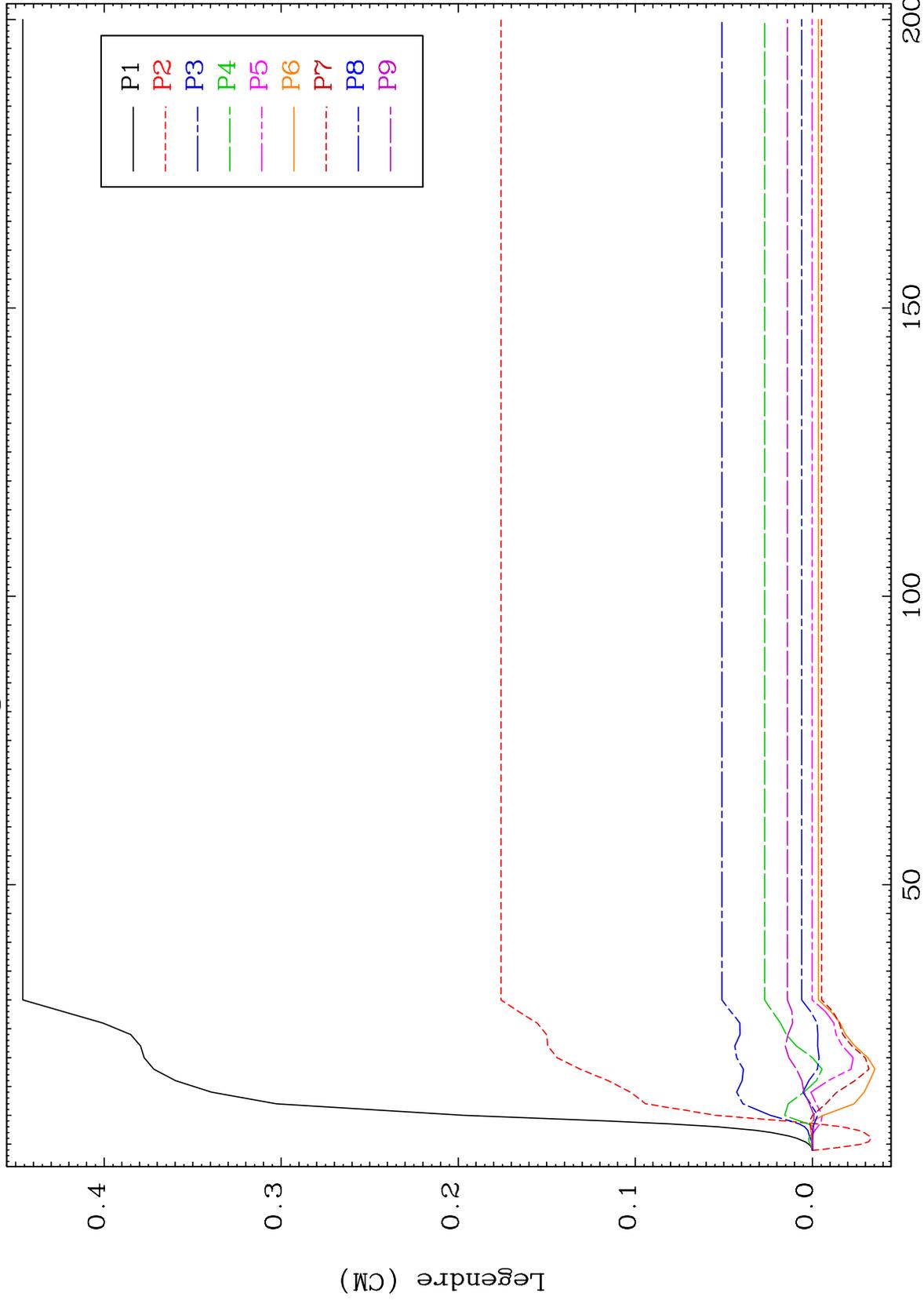




MAT 5073

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

50-Sn-128



114

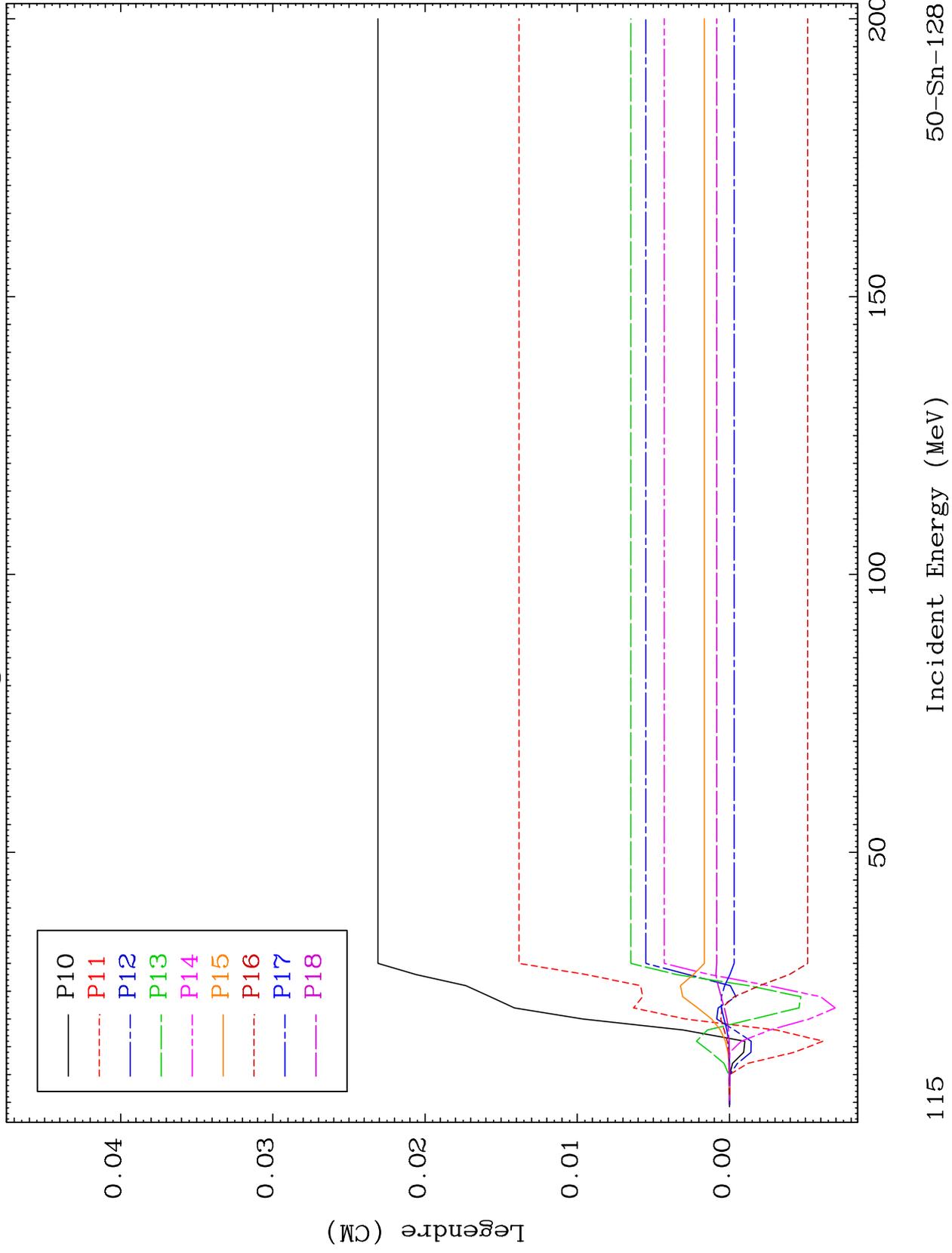
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



115

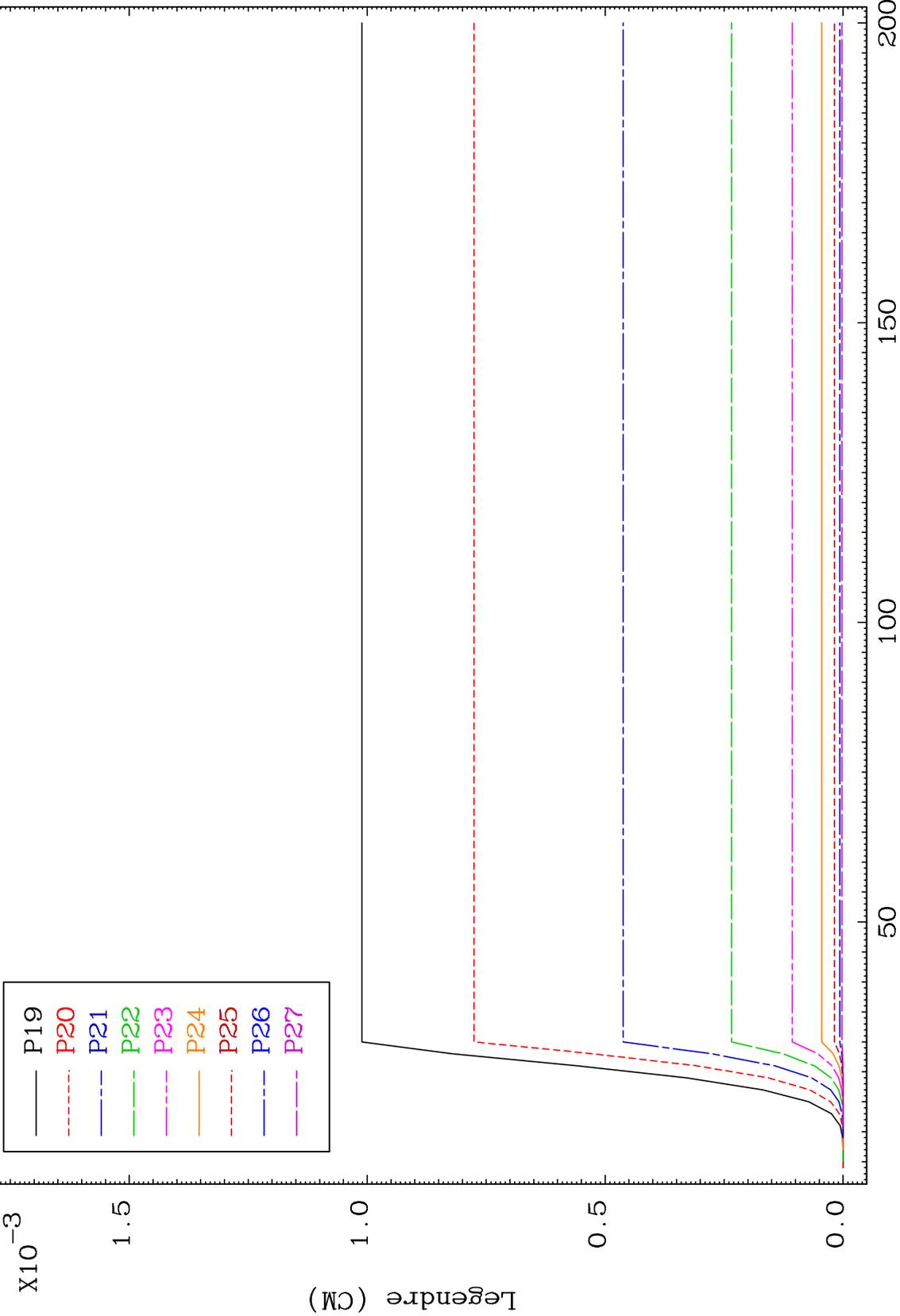
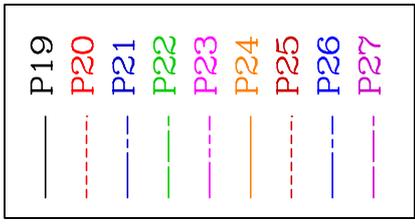
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



116

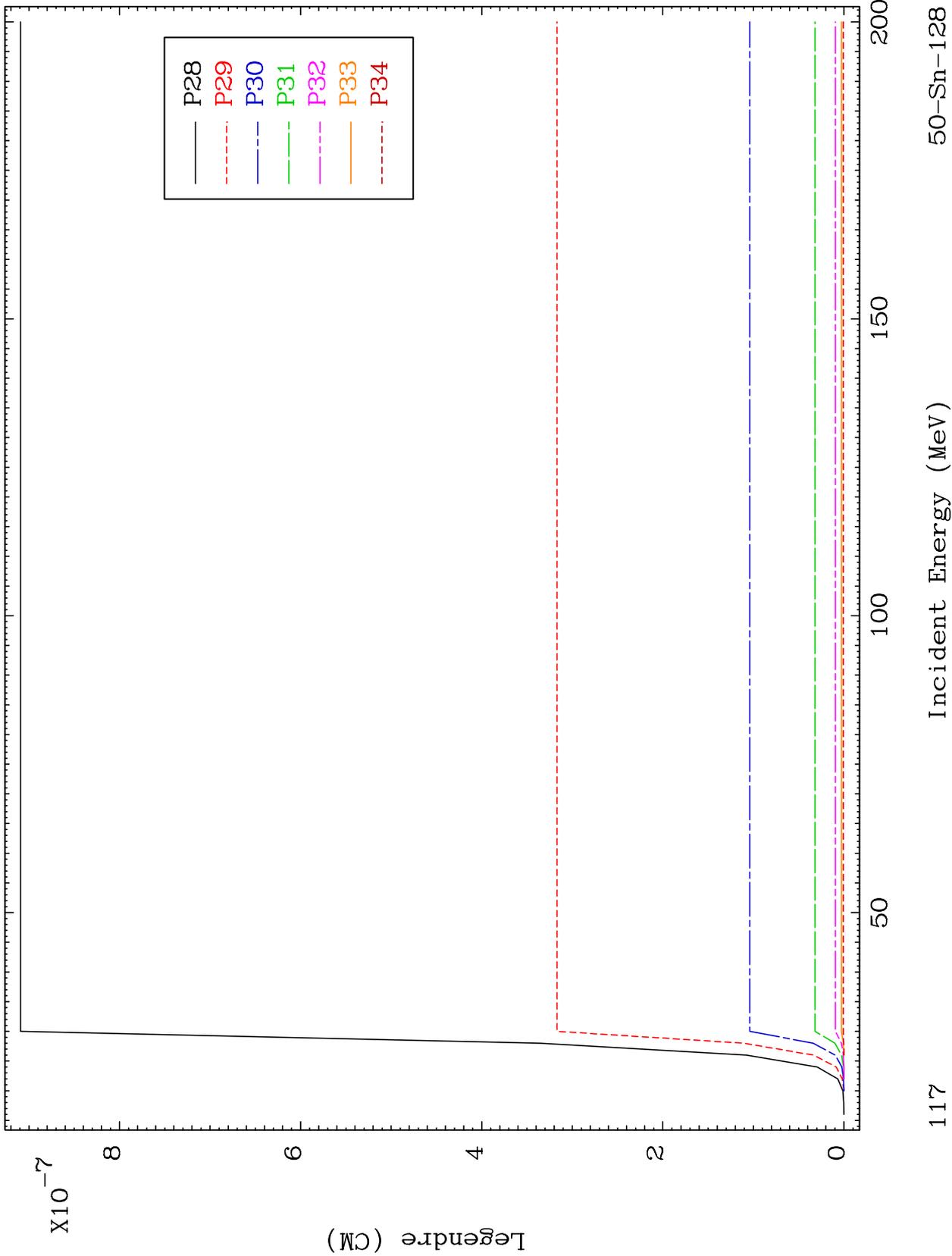
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

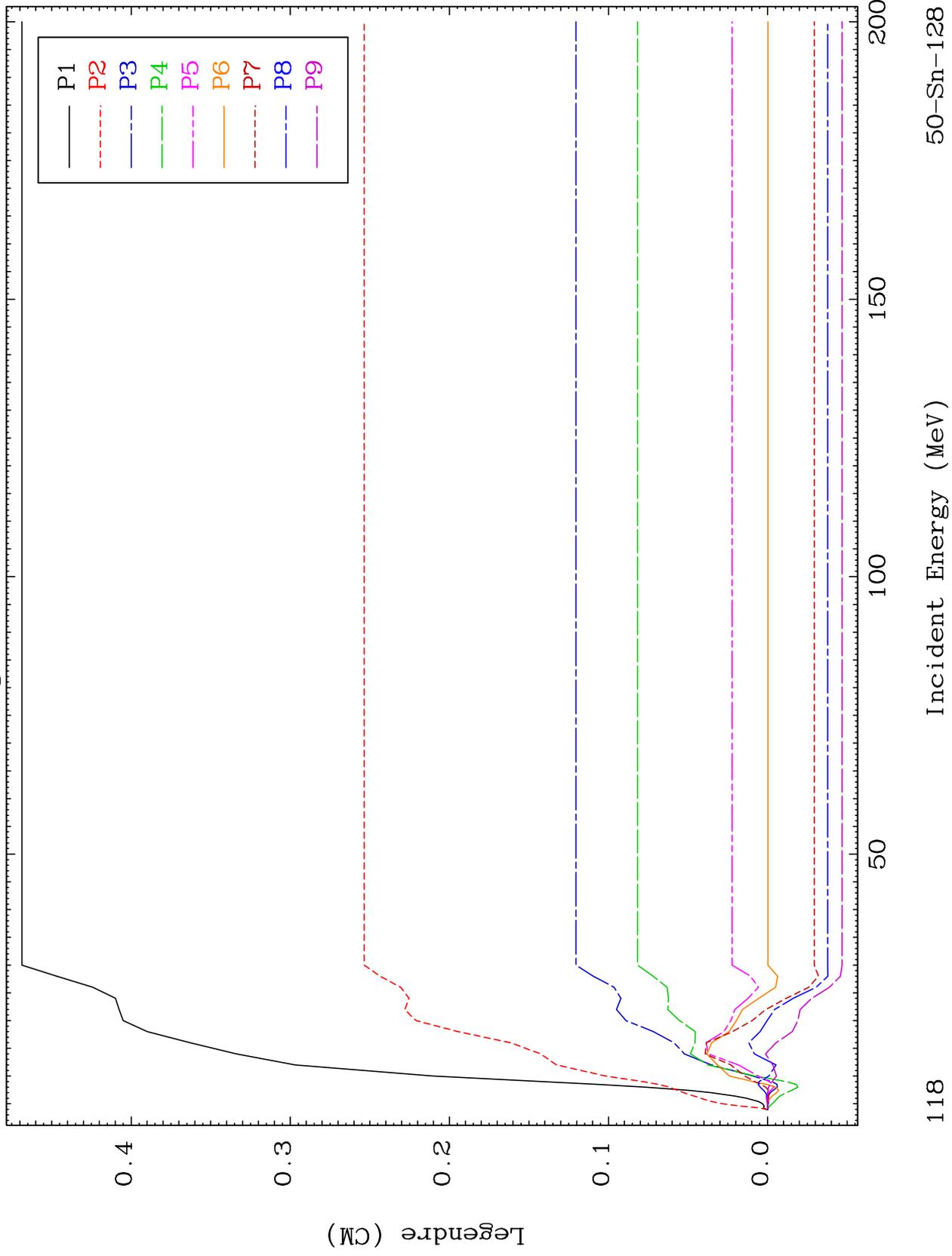
50-Sn-128



MAT 5073

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

50-Sn-128



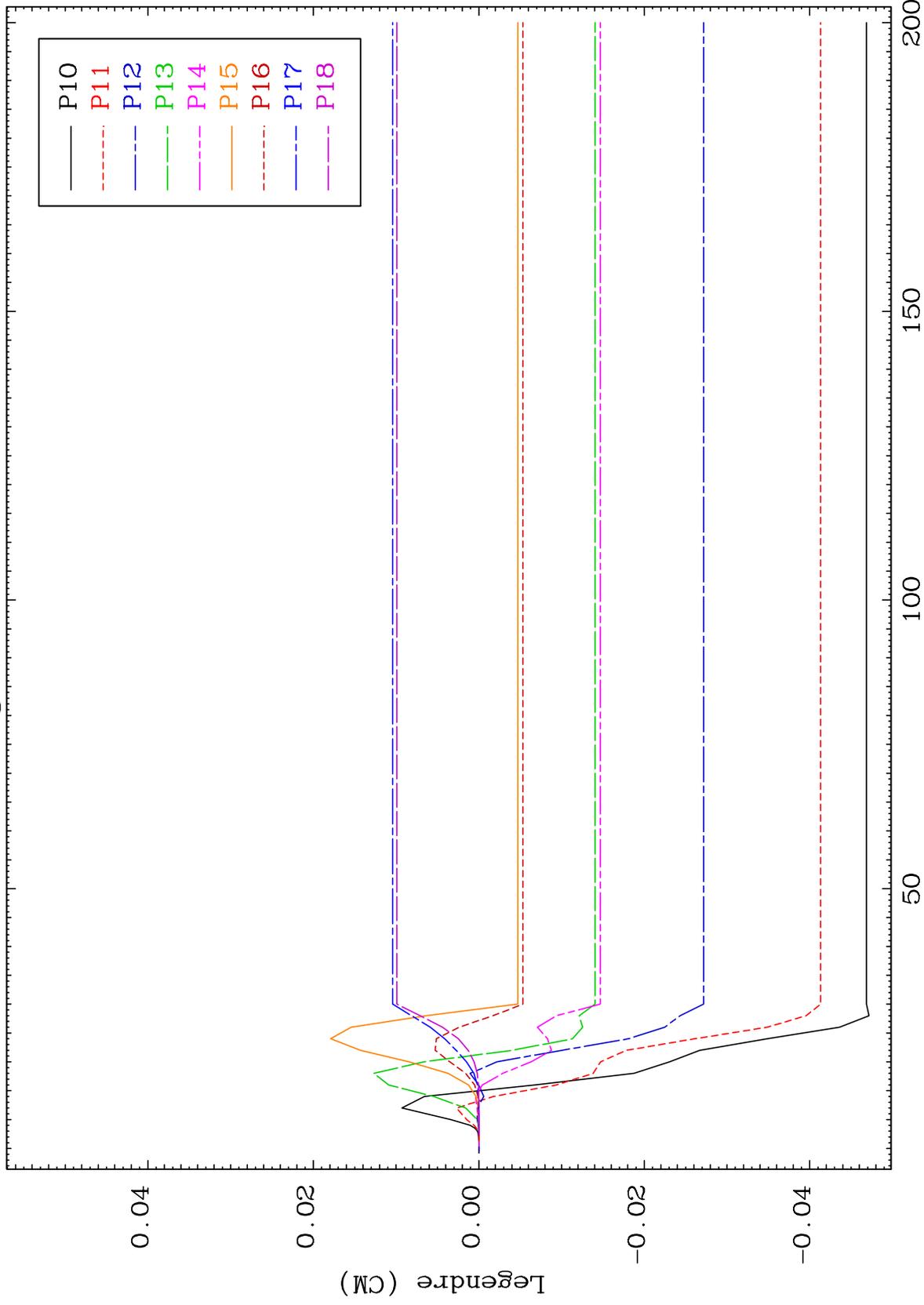
118

50-Sn-128

MAT 5073

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

50-Sn-128



119

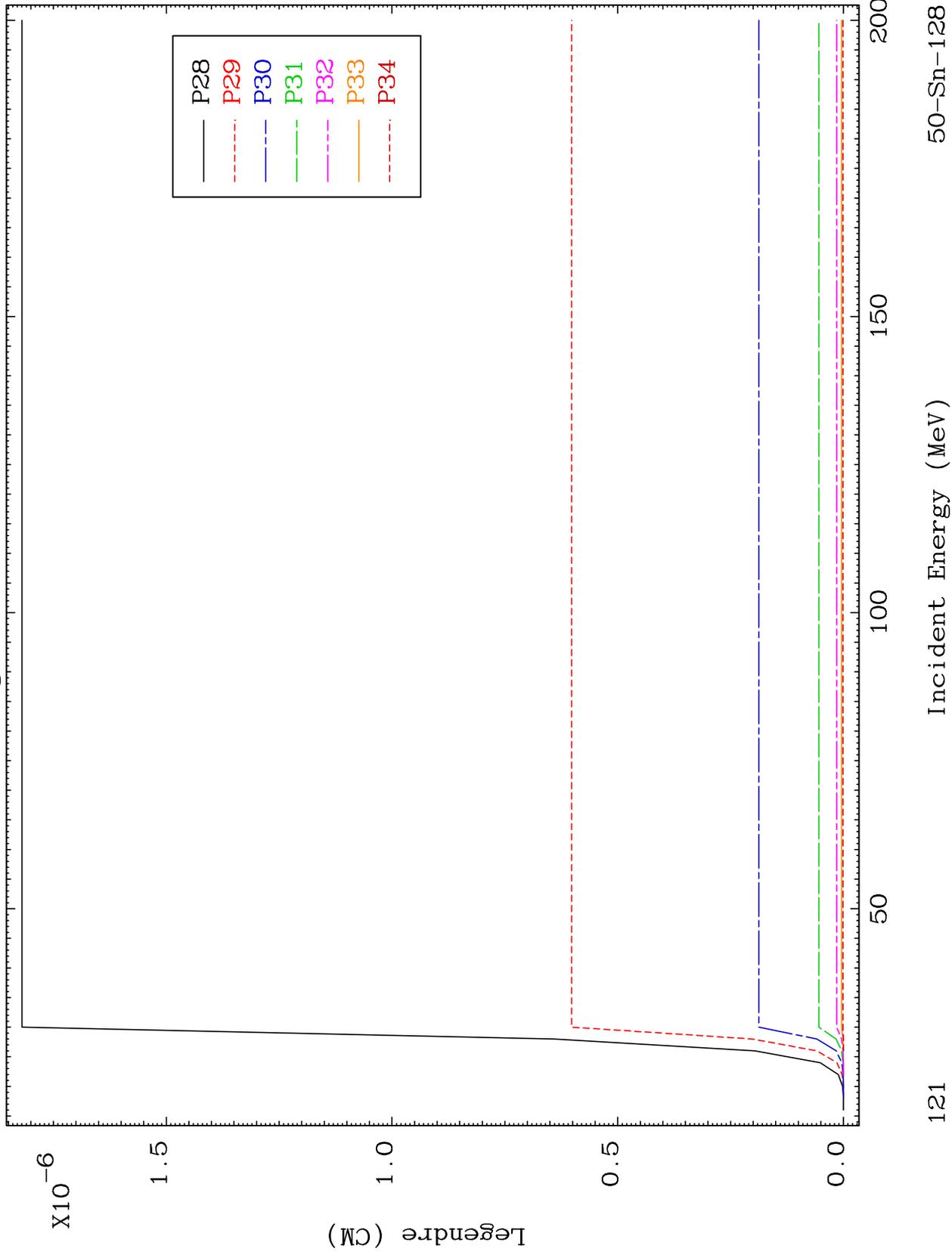
Incident Energy (MeV)

50-Sn-128

MAT 5073

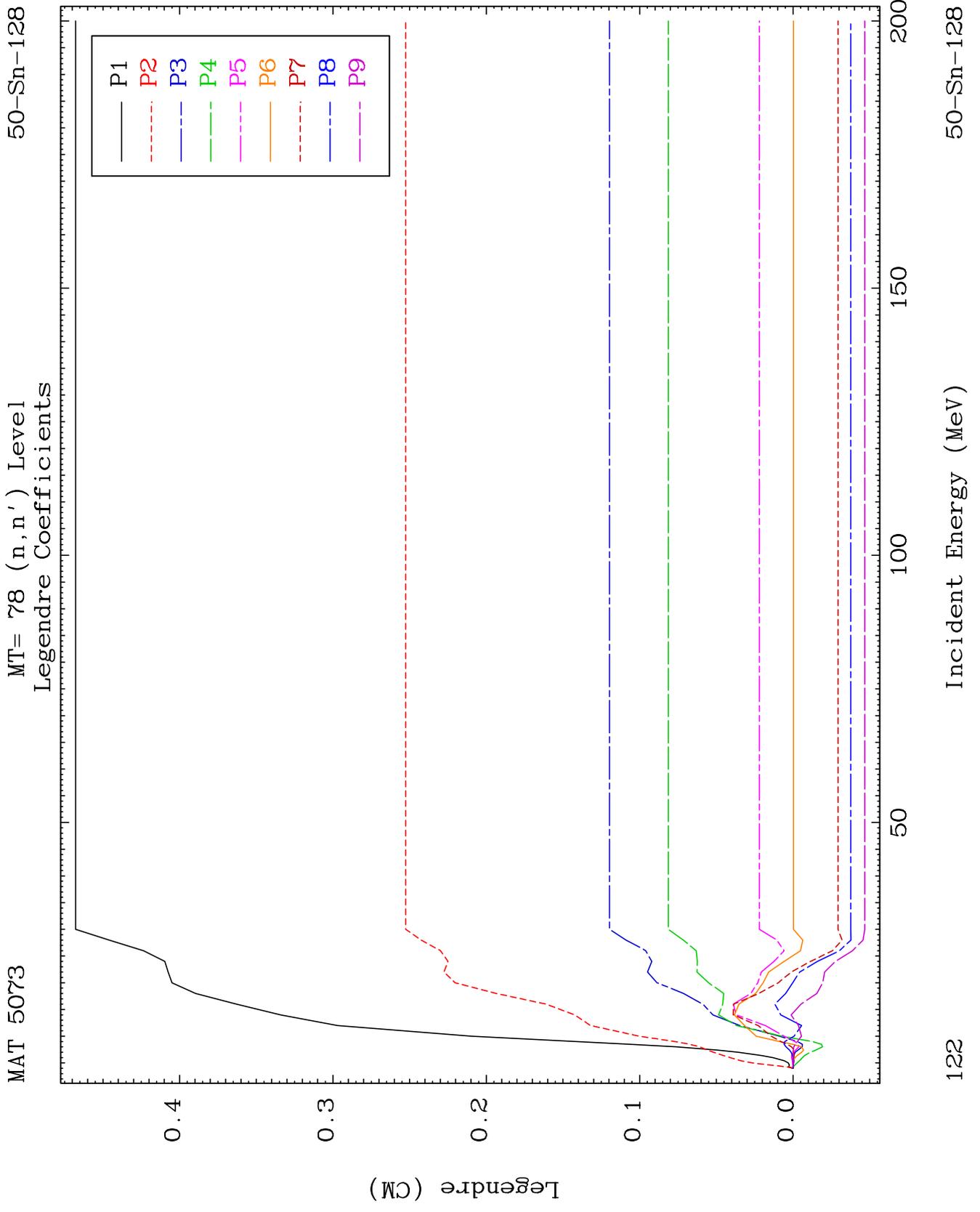
MT= 77 (n,n') Level
Legendre Coefficients

50-Sn-128



121

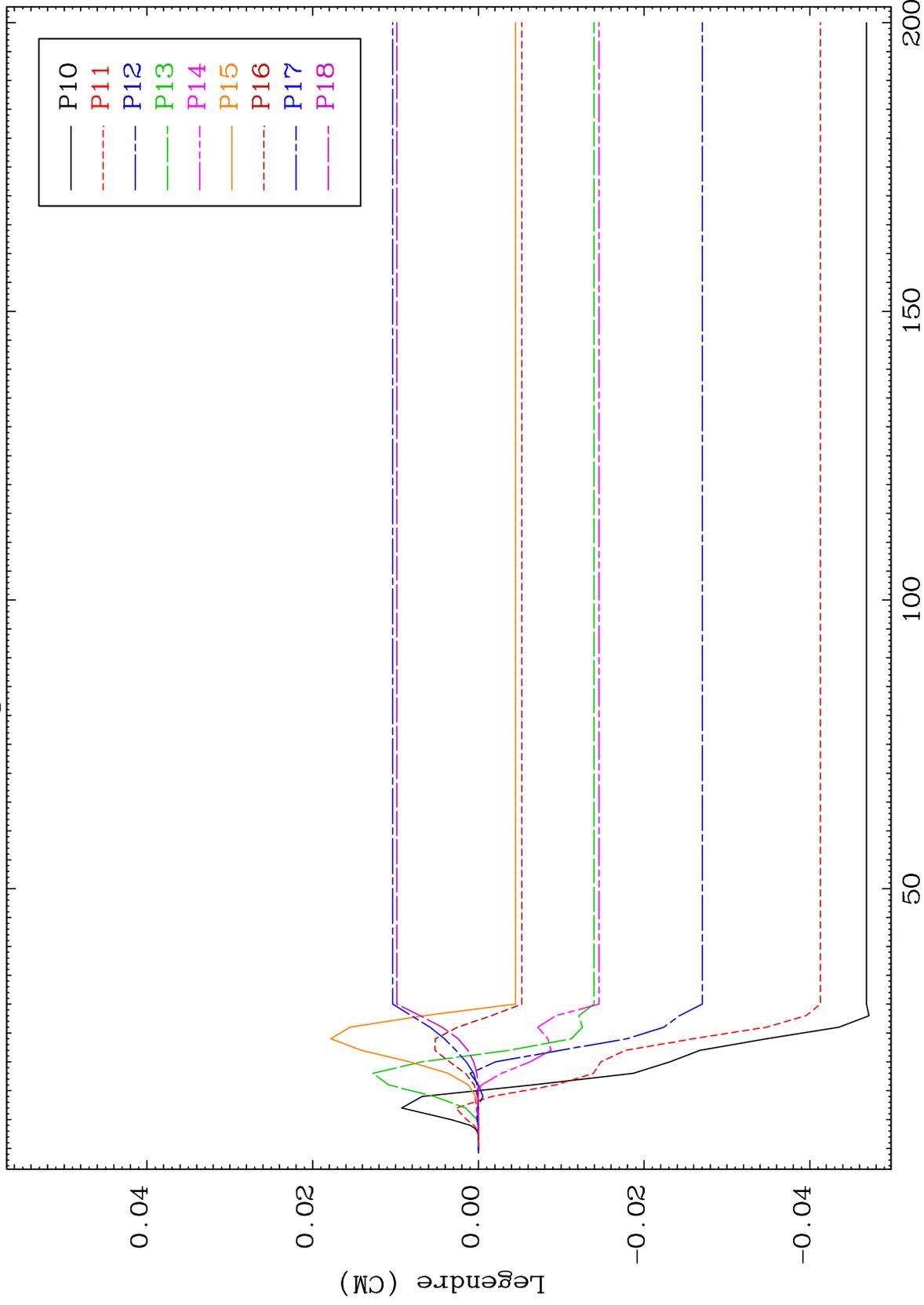
50-Sn-128



MAT 5073

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

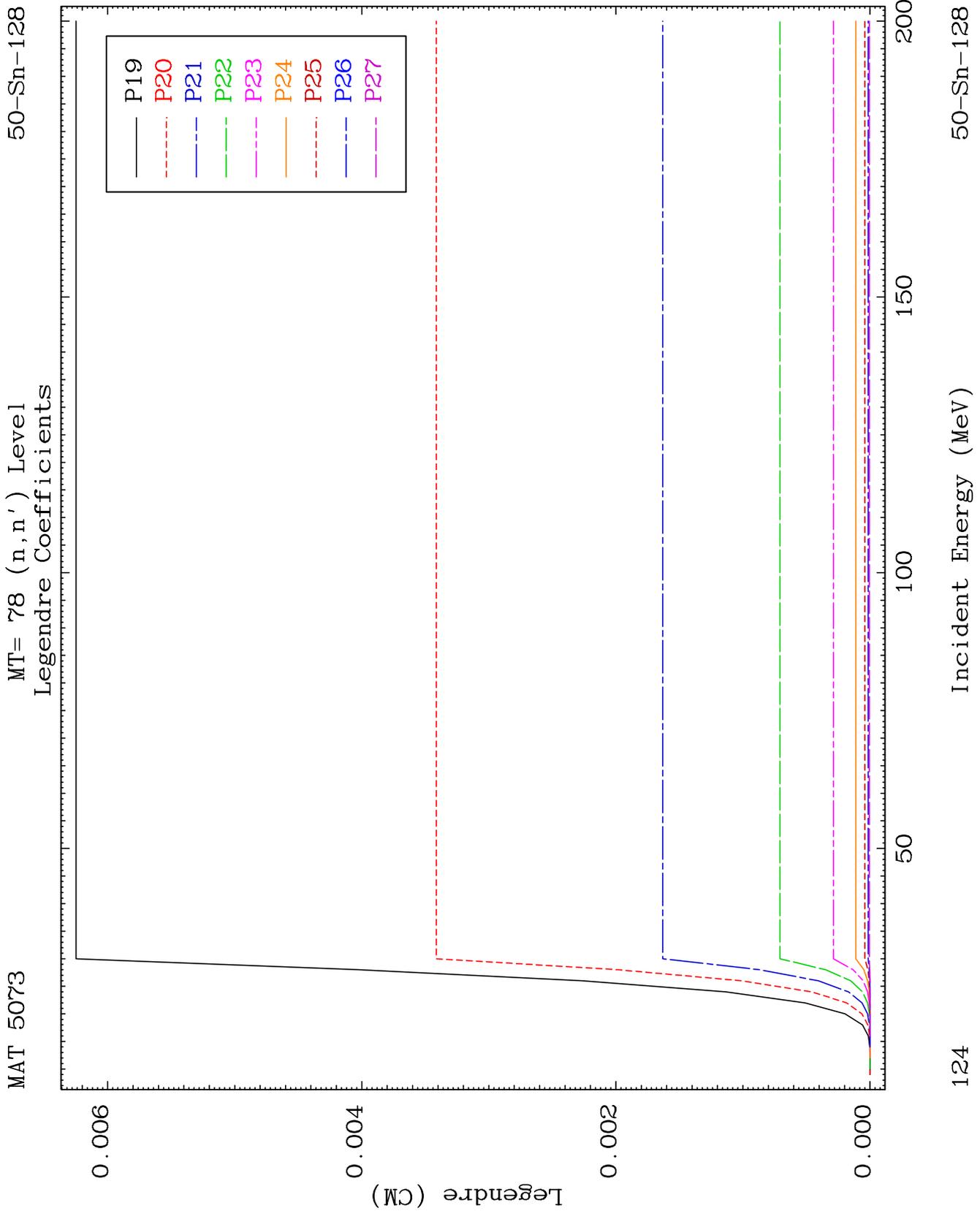
50-Sn-128



123

Incident Energy (MeV)

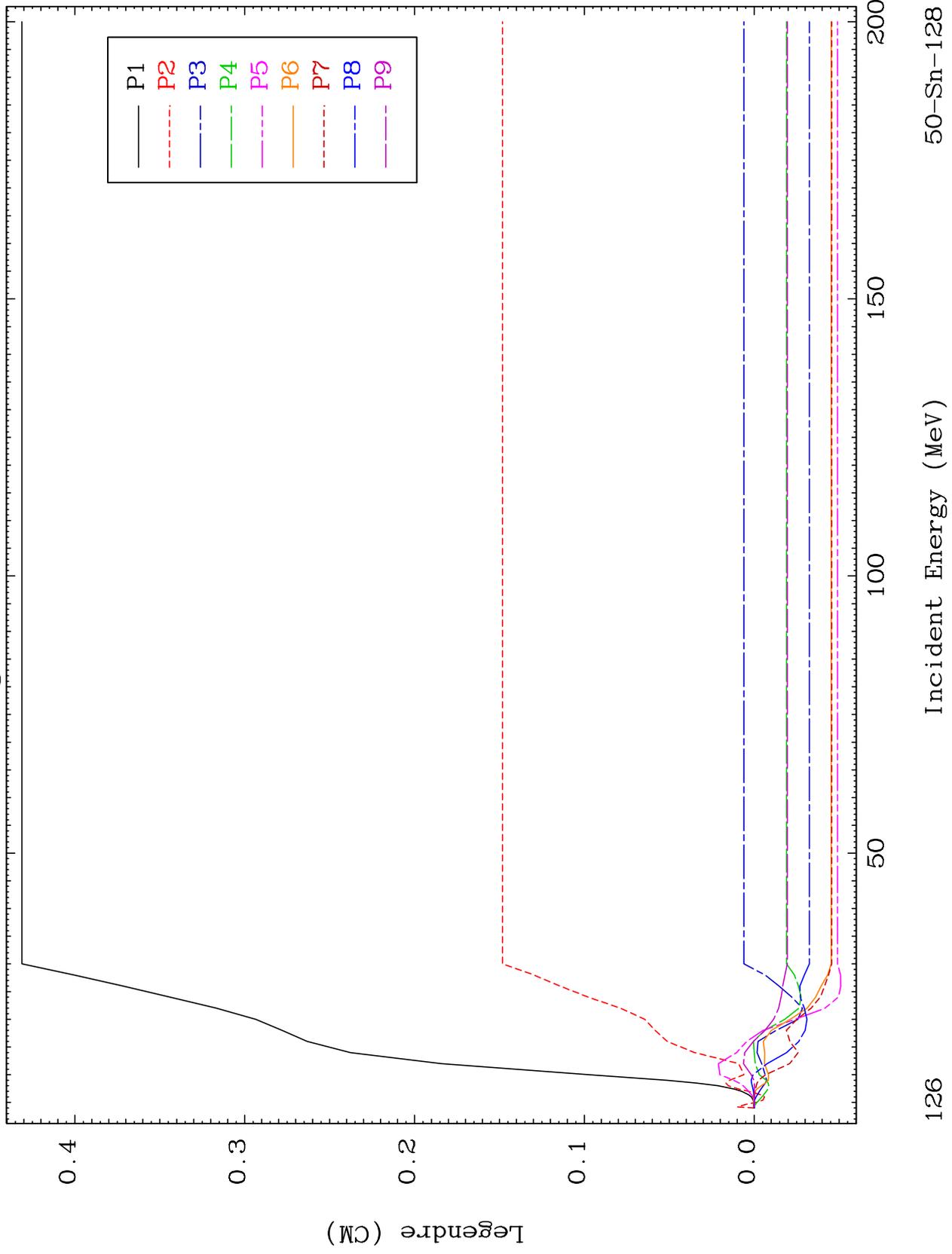
50-Sn-128



MAT 5073

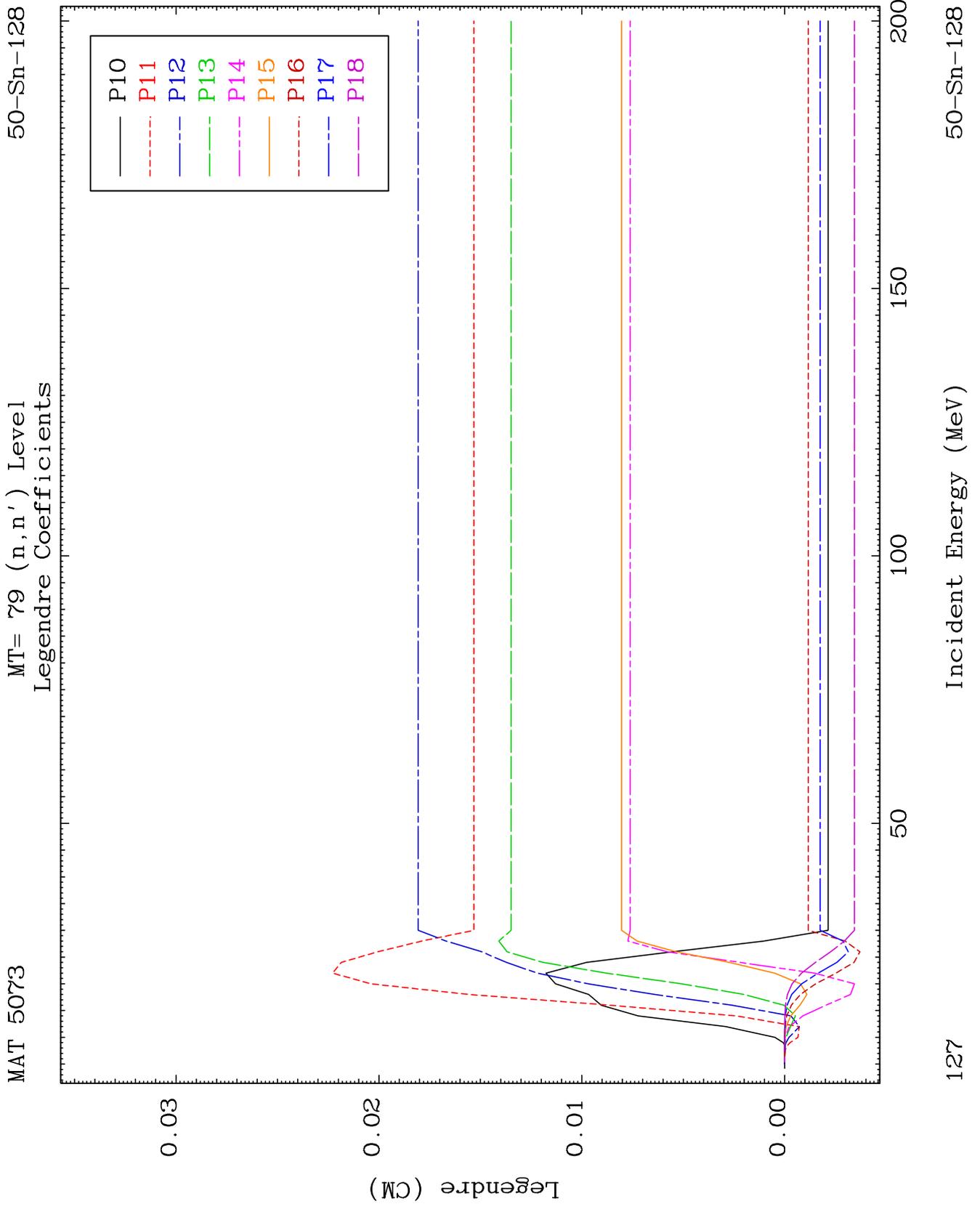
MT= 79 (n,n') Level
Legendre Coefficients

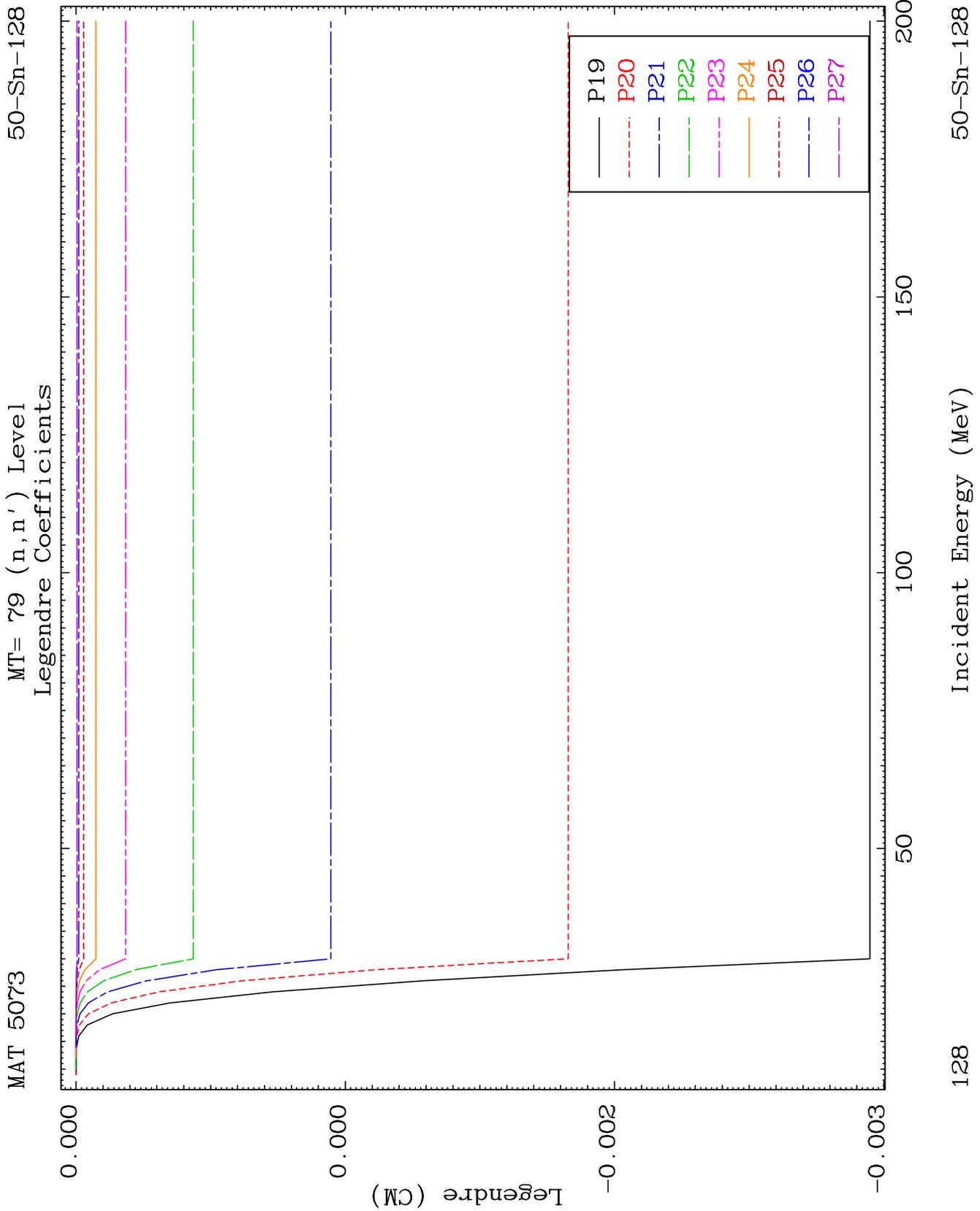
50-Sn-128

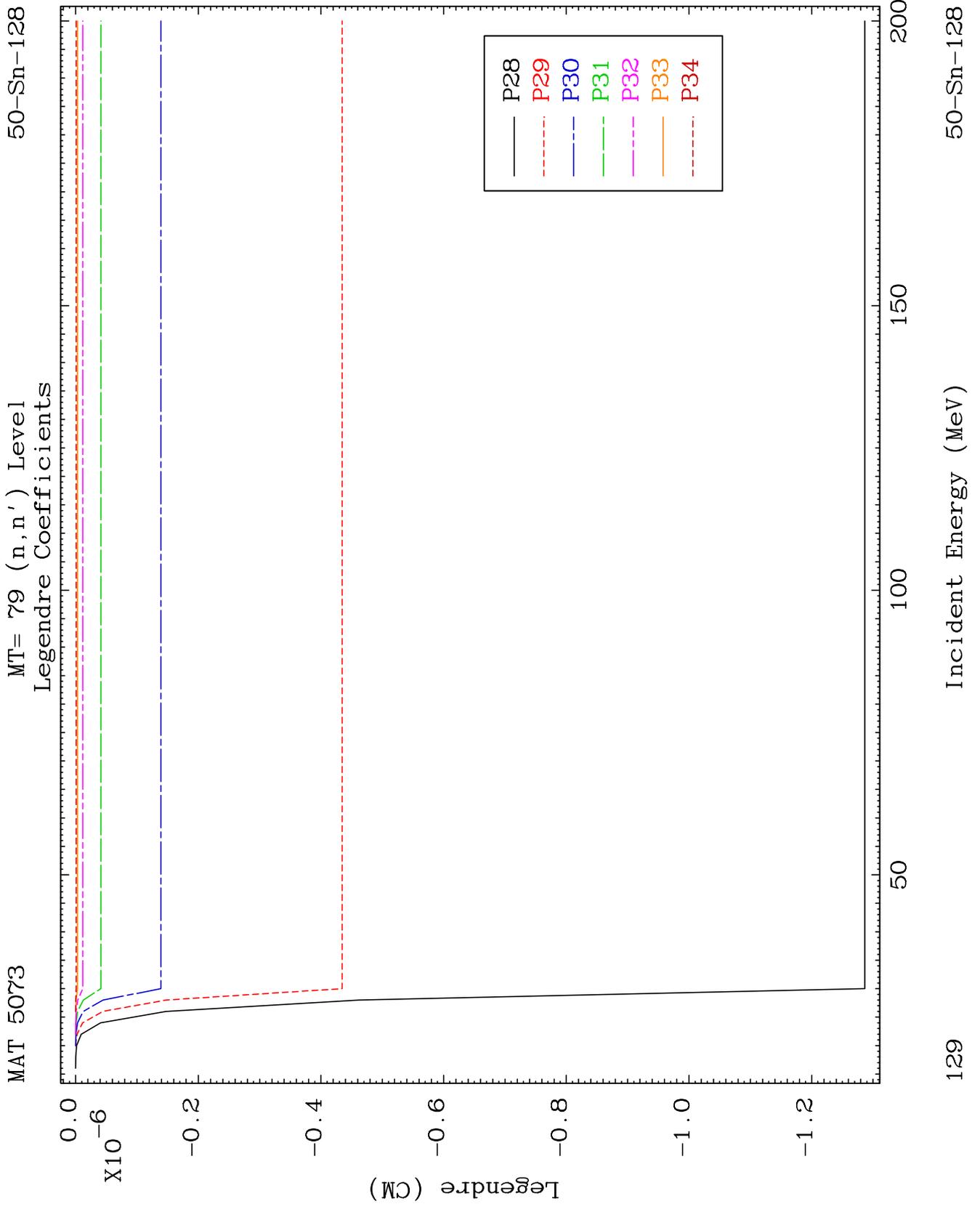


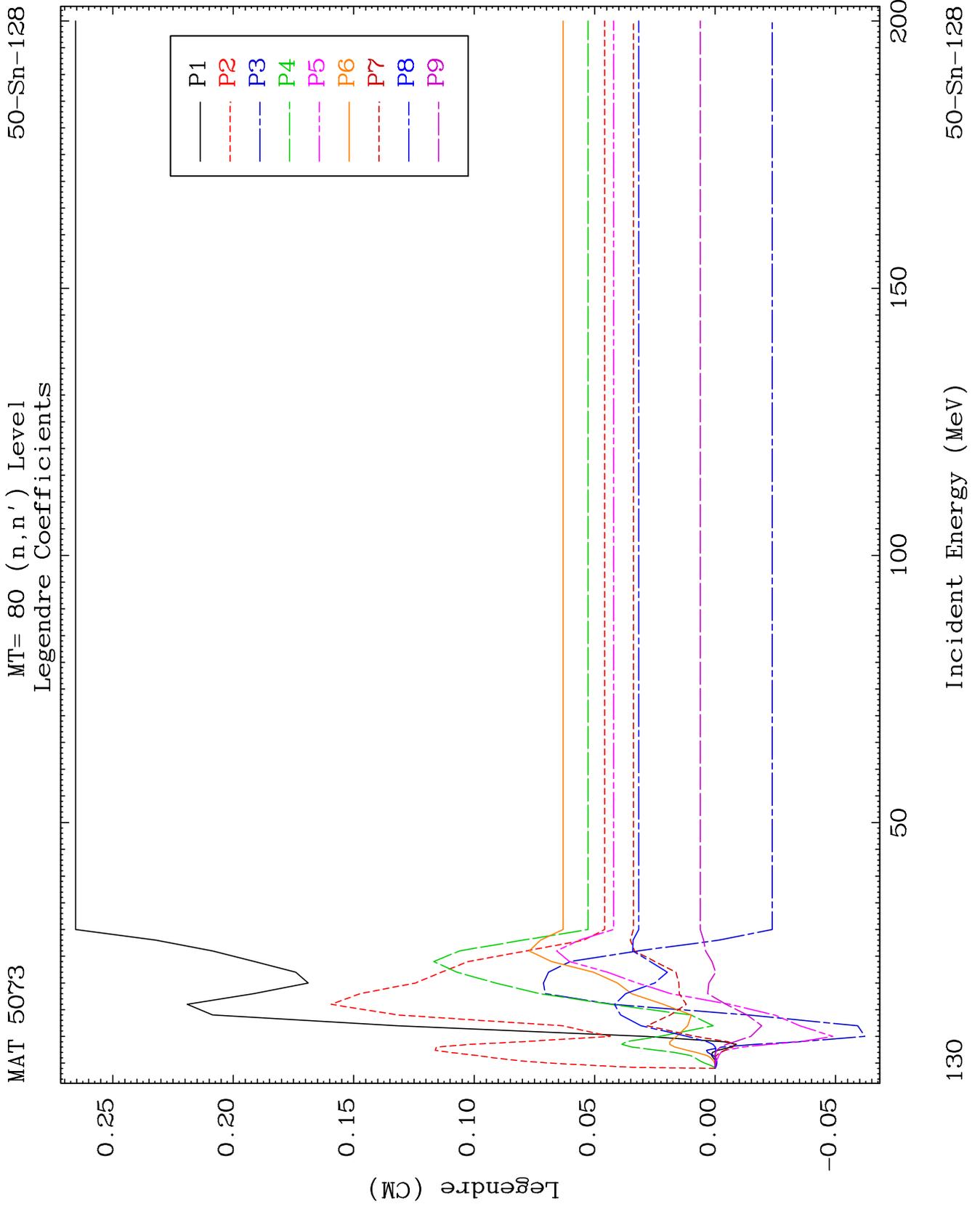
126

50-Sn-128





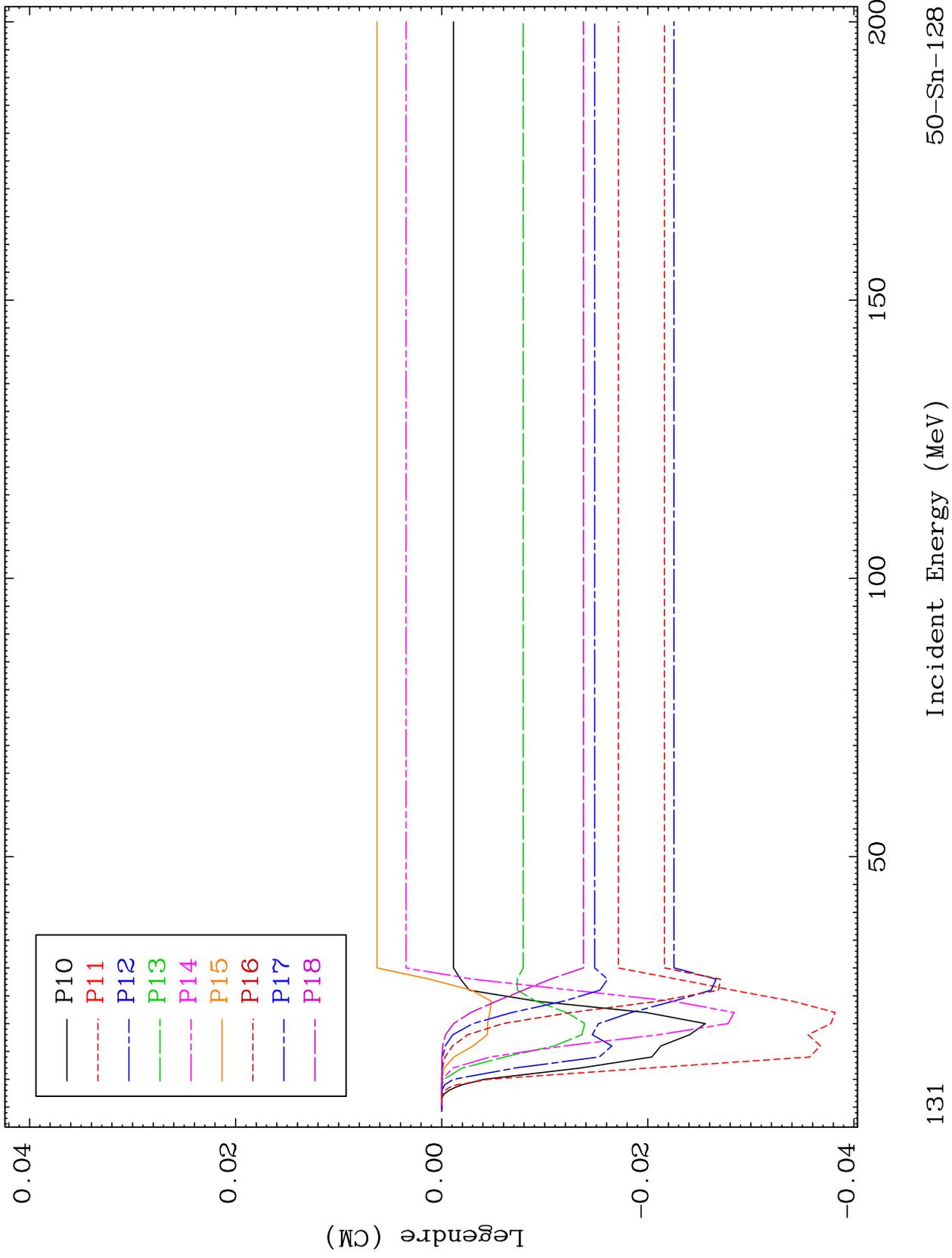




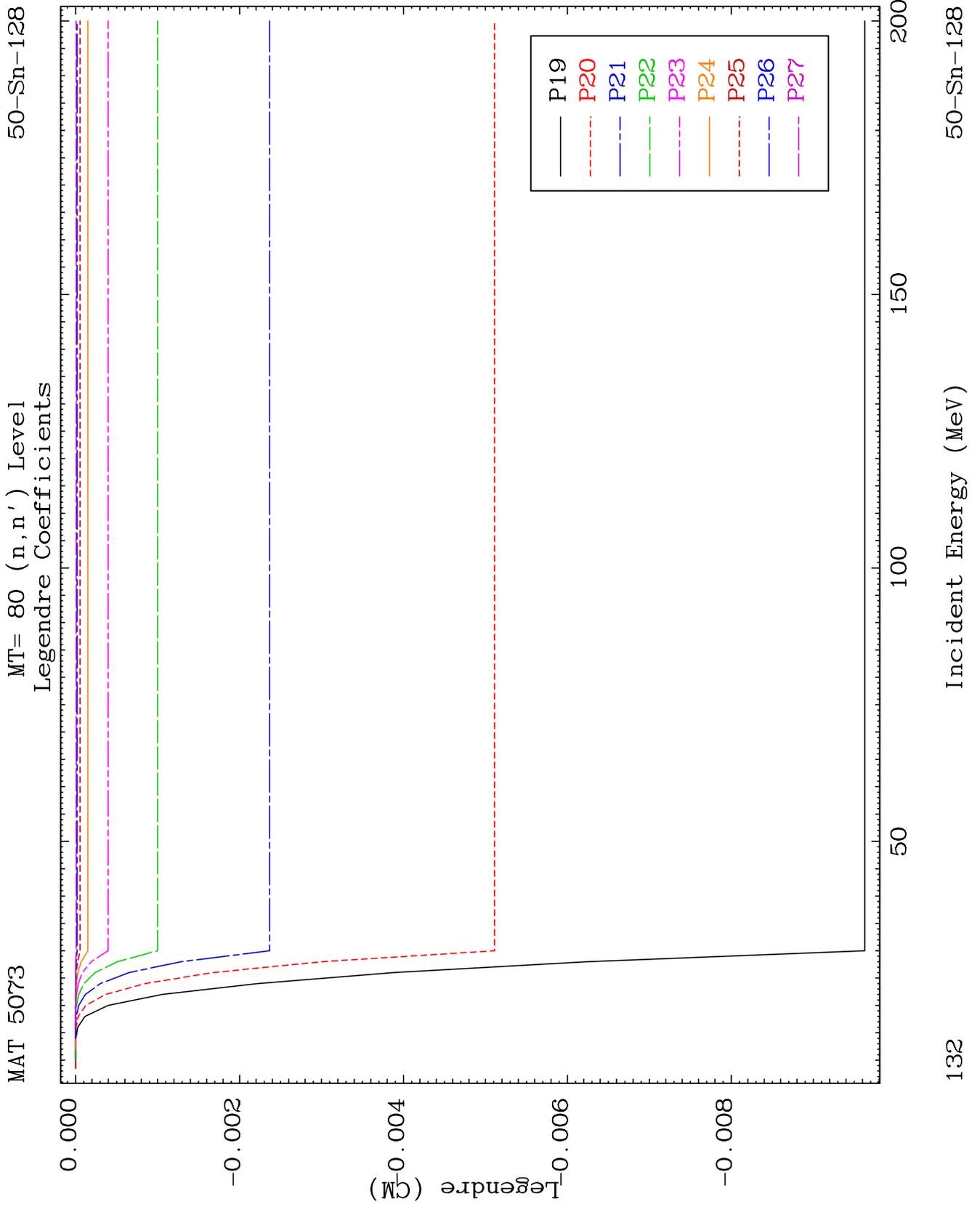
MAT 5073

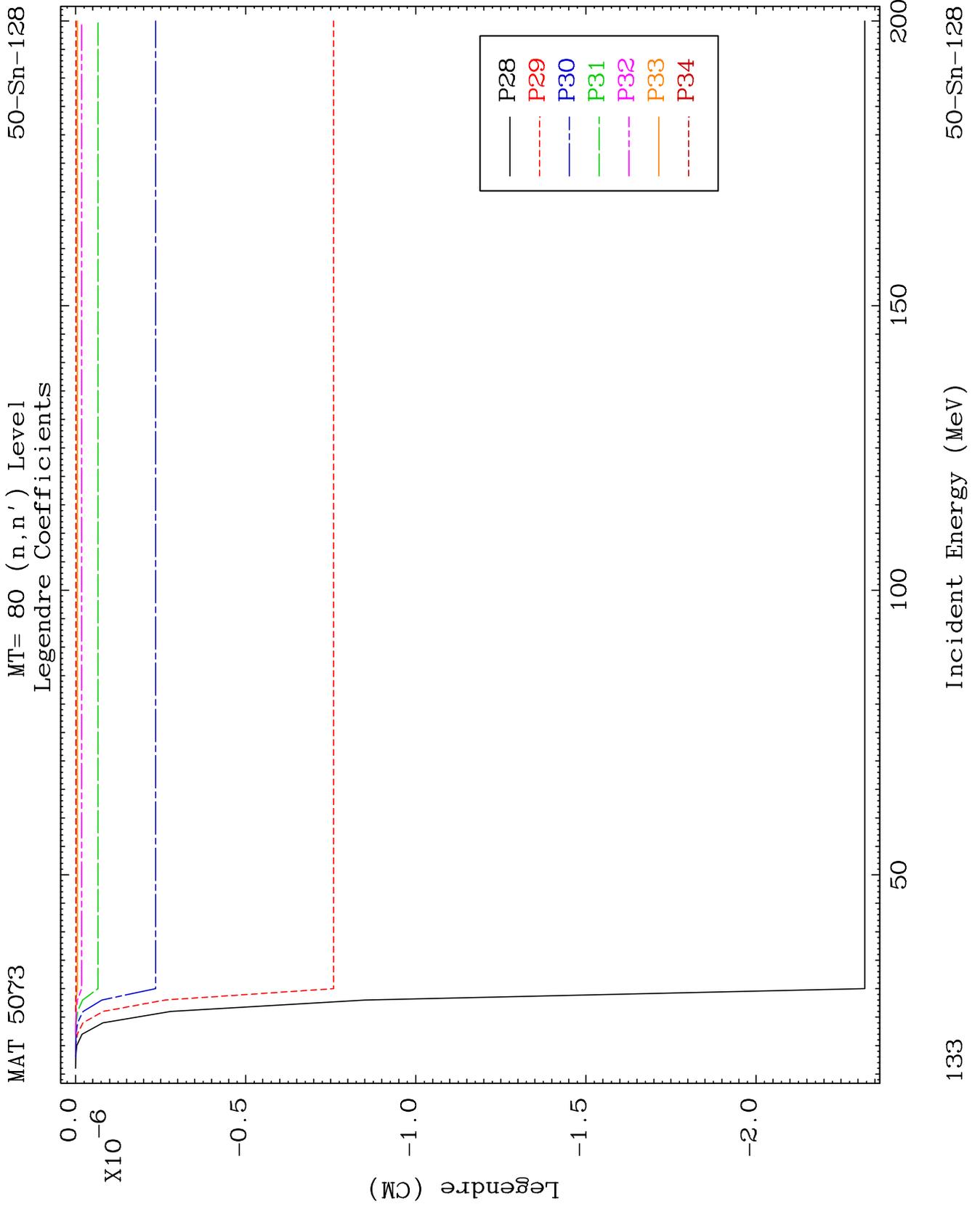
MT= 80 (n,n') Level
Legendre Coefficients

50-Sn-128



131

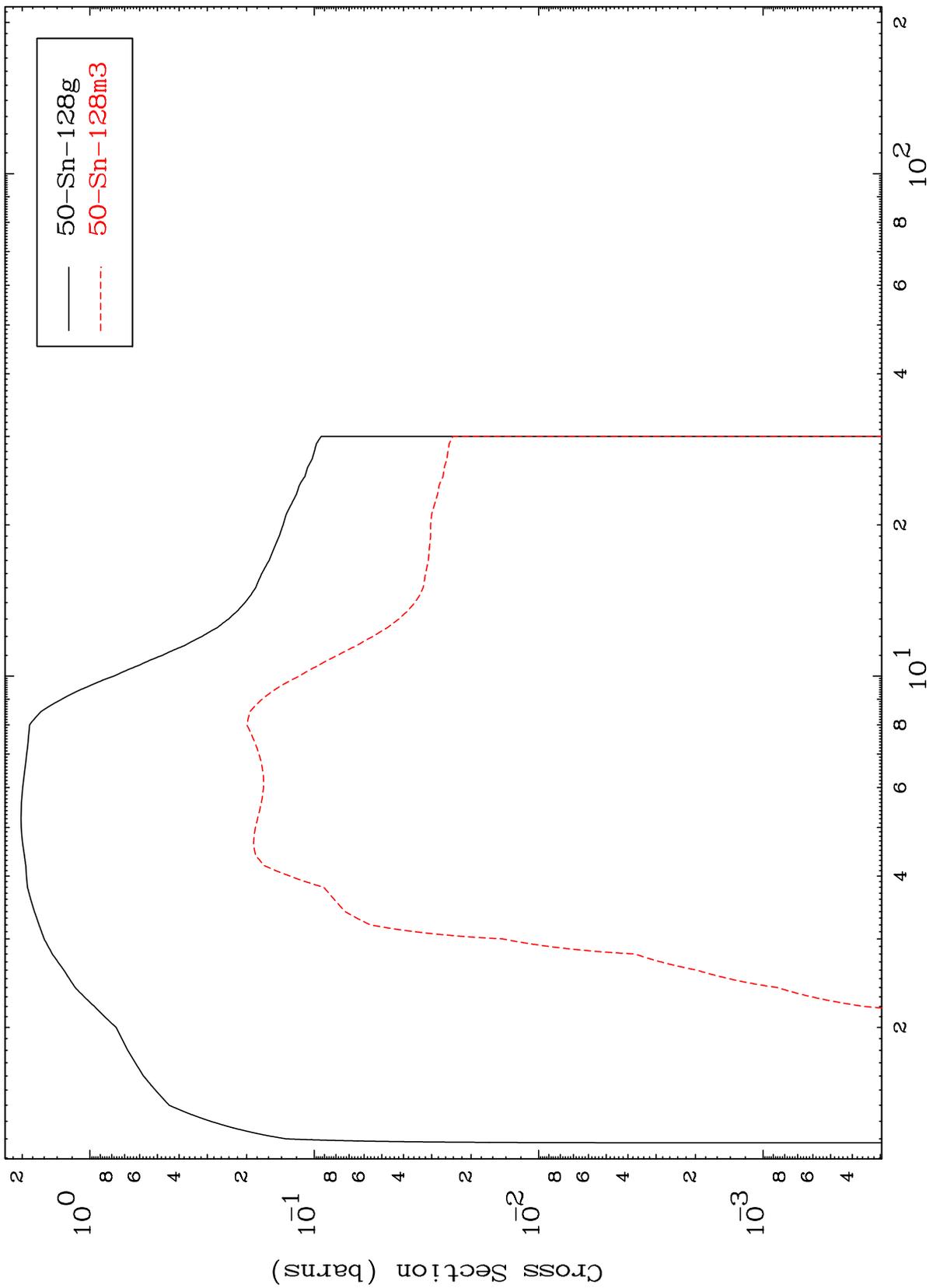




MAT 5073

50-Sn-128

Inelastic
Radionuclide Production Cross Section



134

50-Sn-128

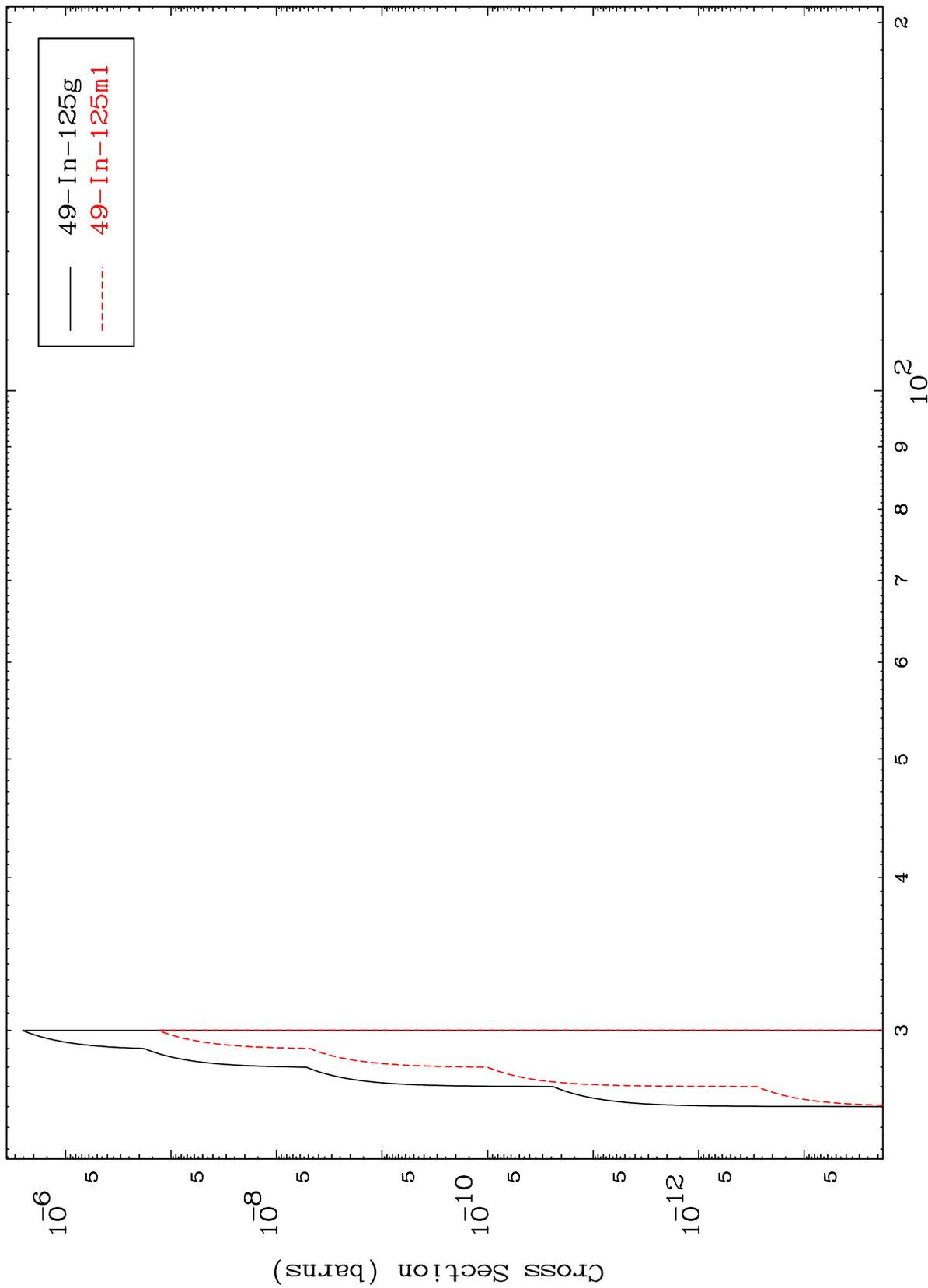
Incident Energy (MeV)

MAT 5073

(n,2n) d

50-Sn-128

Radionuclide Production Cross Section



135

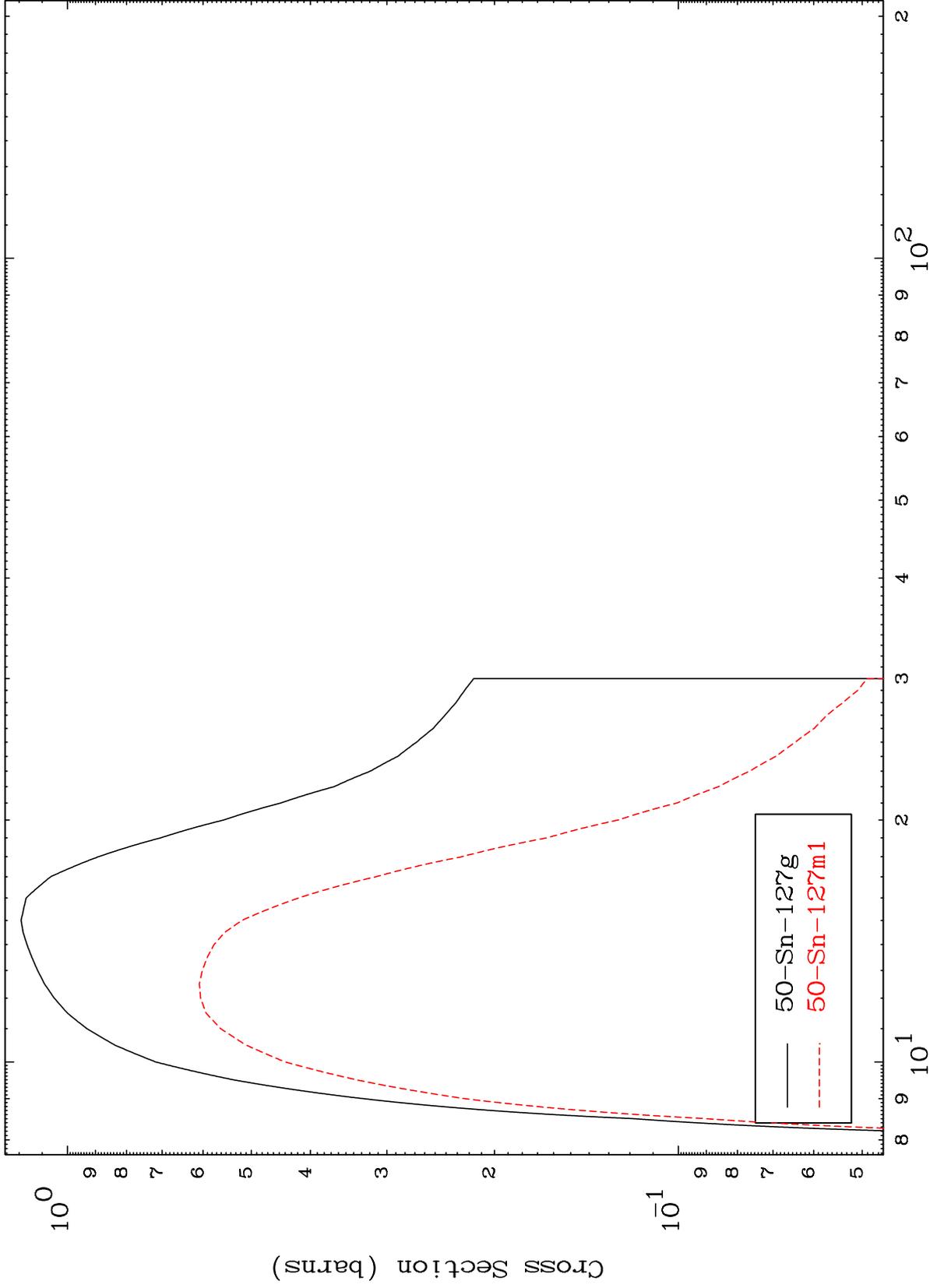
Incident Energy (MeV)

50-Sn-128

MAT 5073

50-Sn-128

(n,2n)
Radionuclide Production Cross Section



50-Sn-128

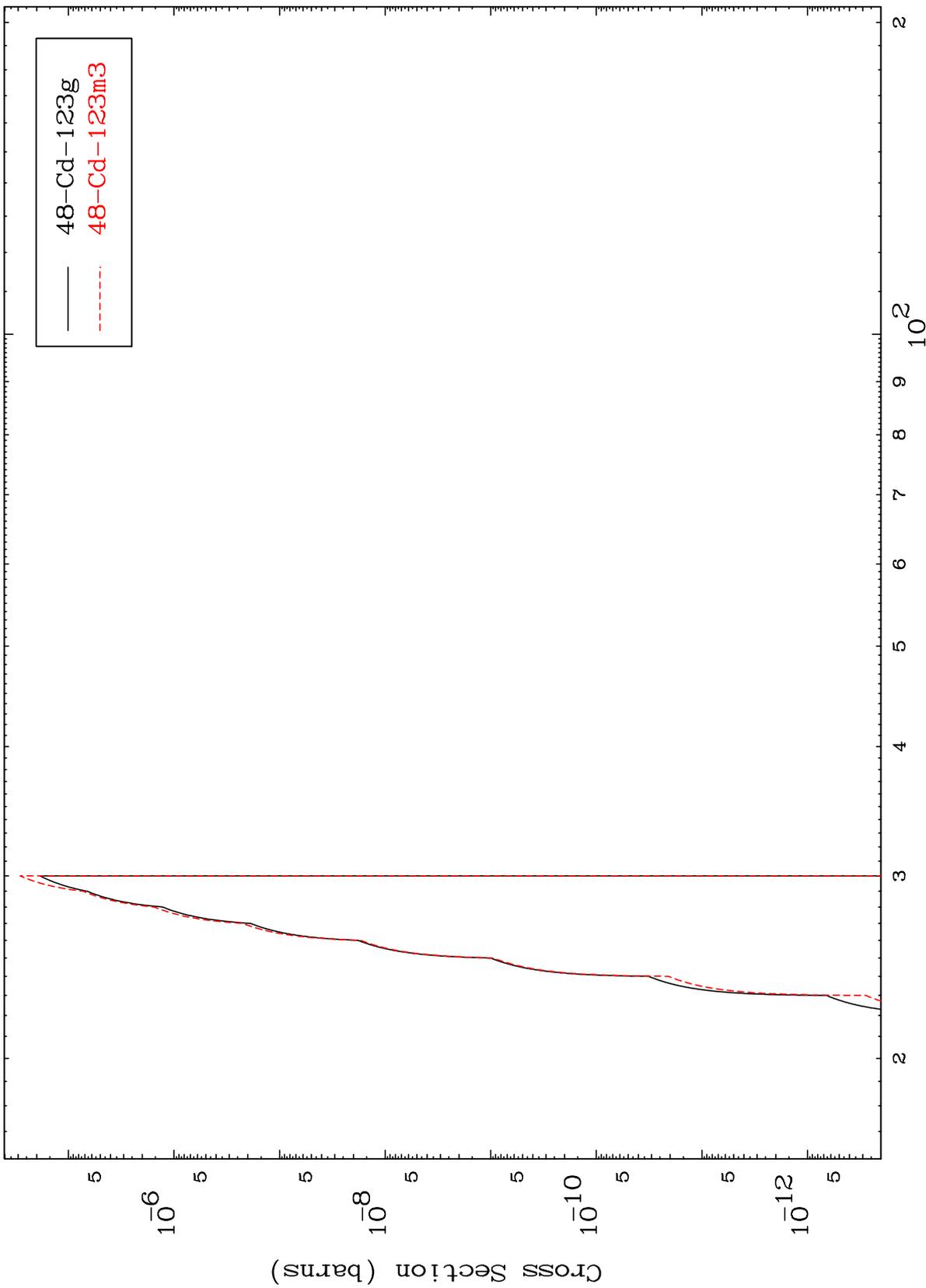
Incident Energy (MeV)

MAT 5073

(n,2n) α

50-Sn-128

Radionuclide Production Cross Section

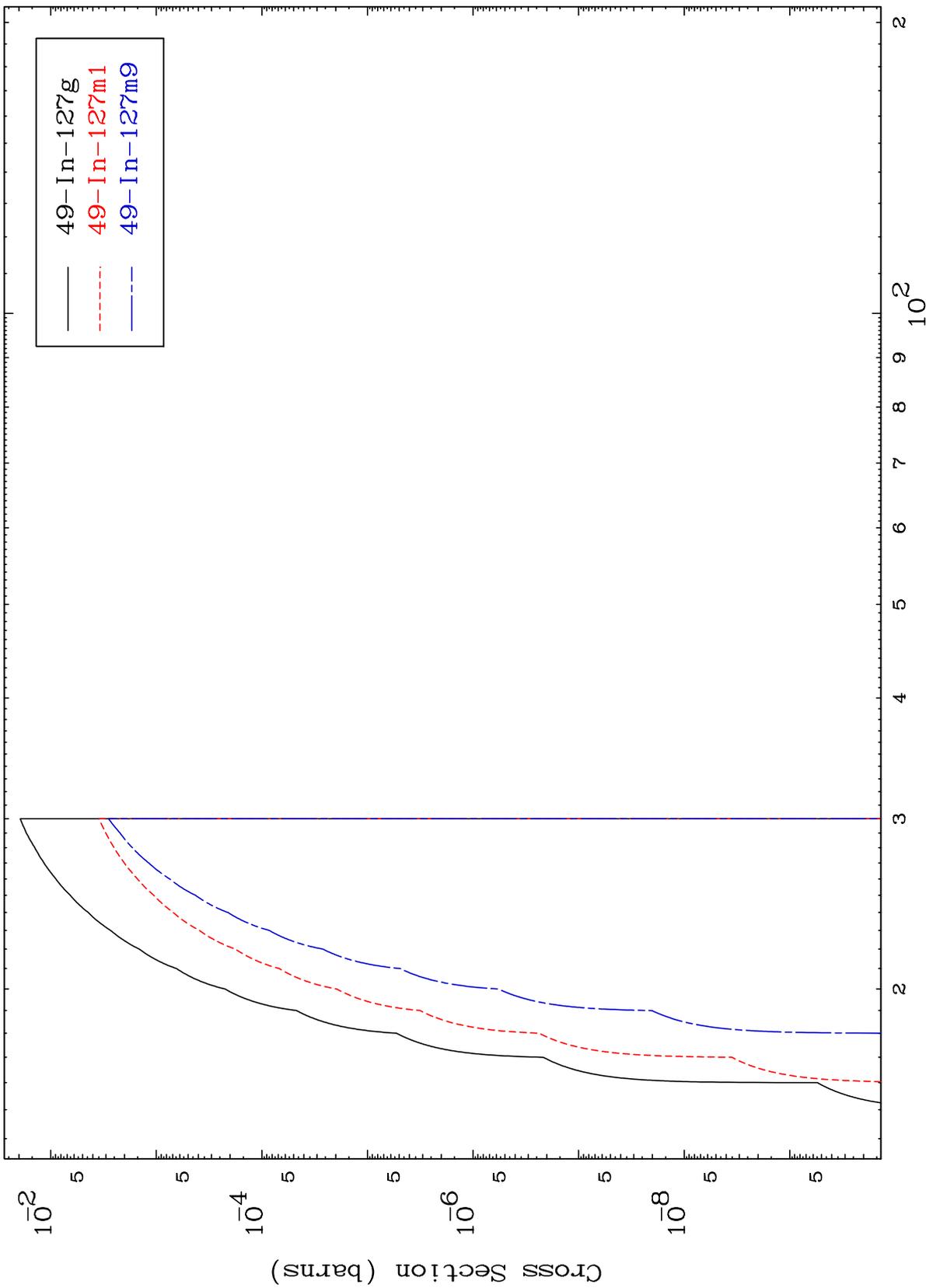


137

Incident Energy (MeV)

50-Sn-128

Radionuclide Production Cross Section

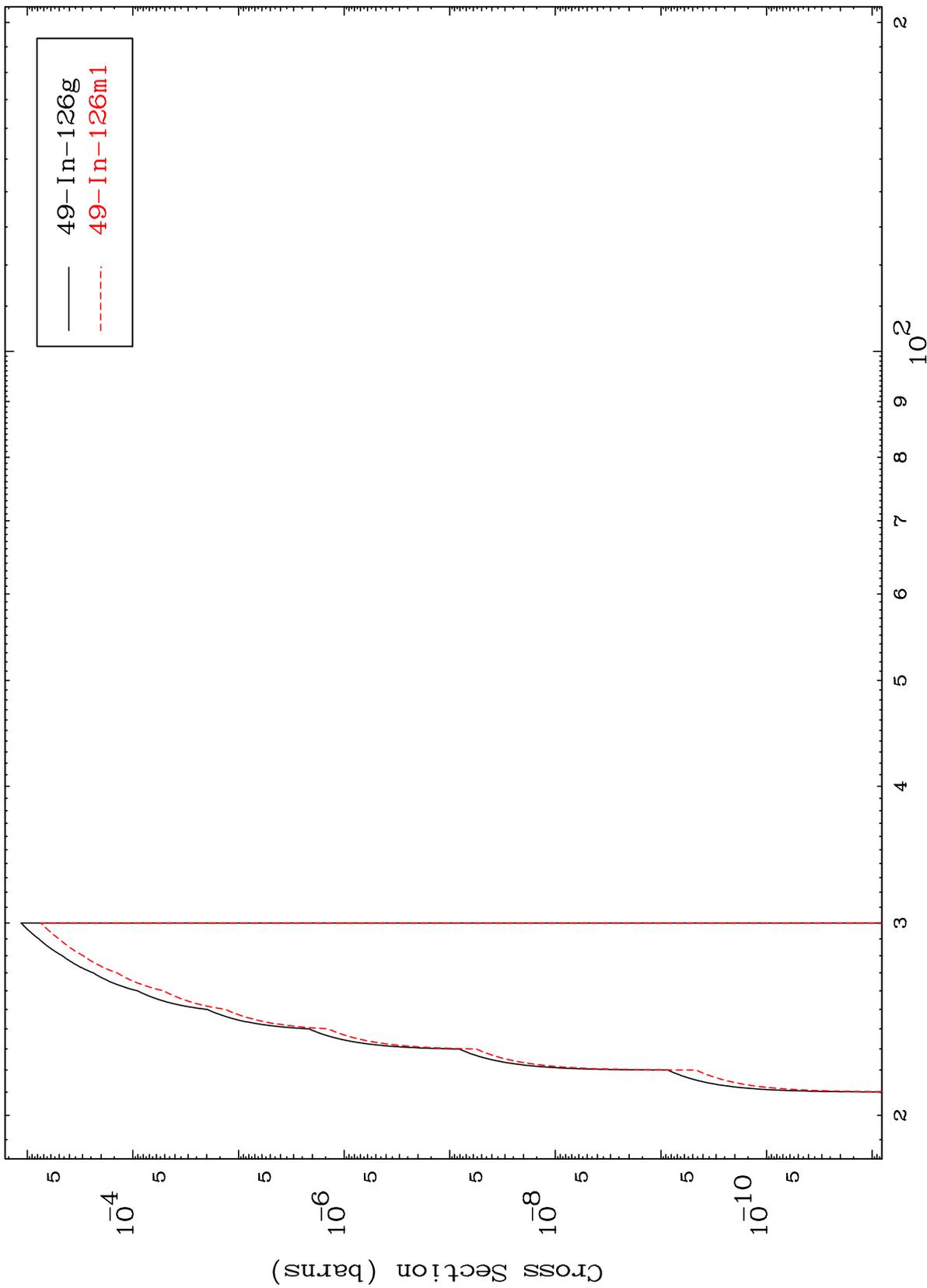


MAT 5073

(n,n') d

50-Sn-128

Radionuclide Production Cross Section



139

Incident Energy (MeV)

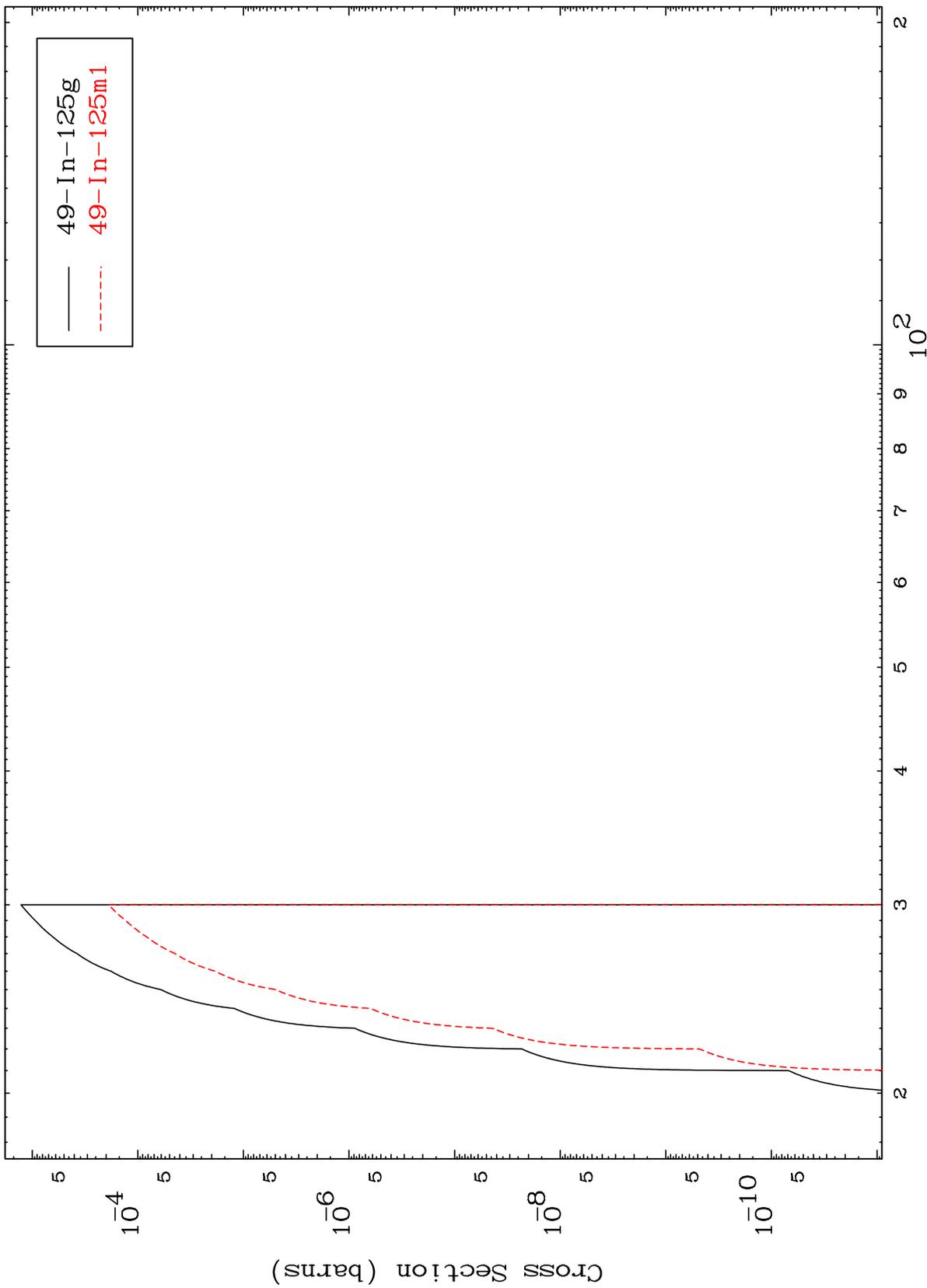
50-Sn-128

MAT 5073

(n,n') t

50-Sn-128

Radionuclide Production Cross Section



140

Incident Energy (MeV)

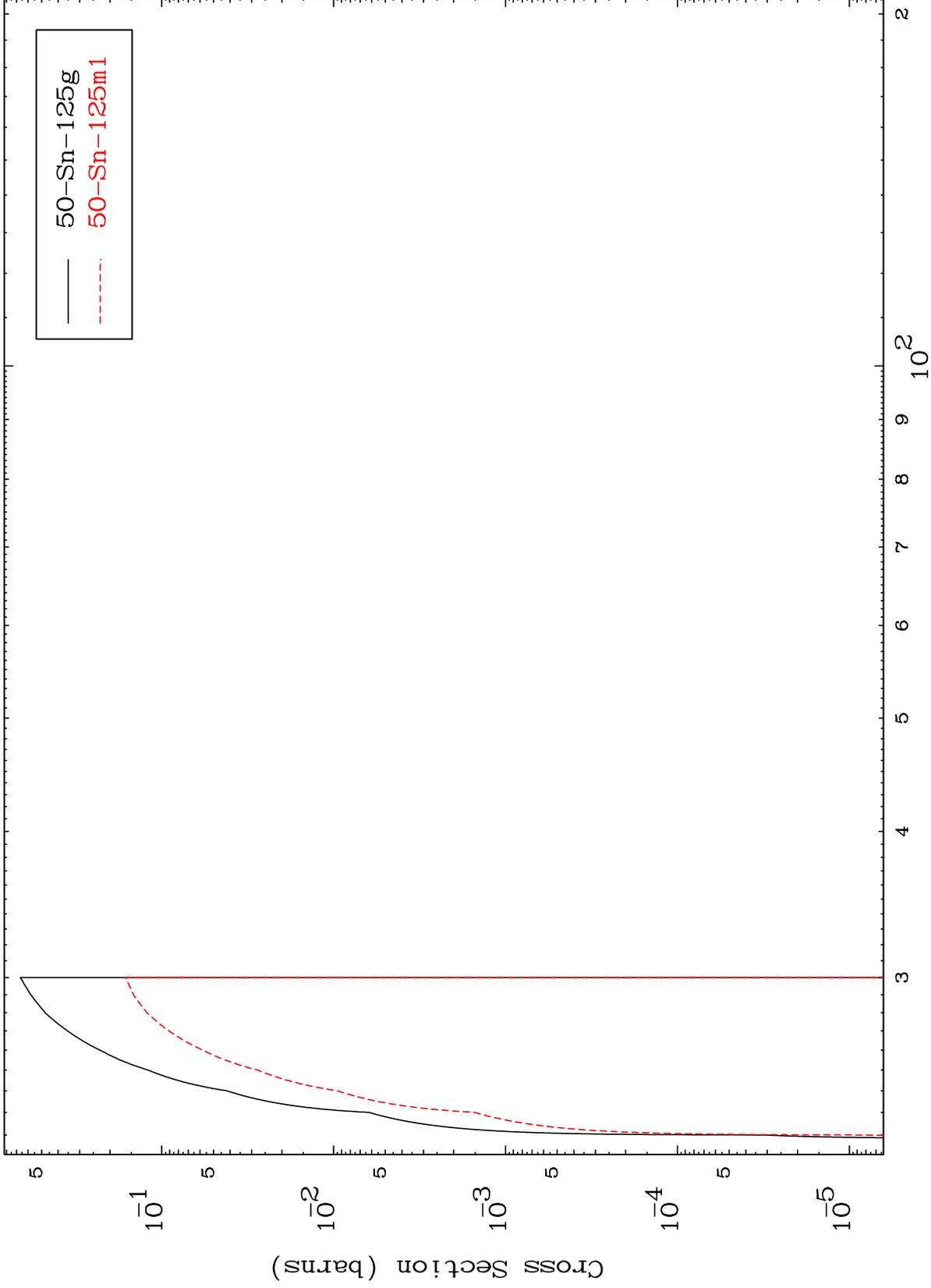
50-Sn-128

MAT 5073

(n,4n)

50-Sn-128

Radionuclide Production Cross Section



141

Incident Energy (MeV)

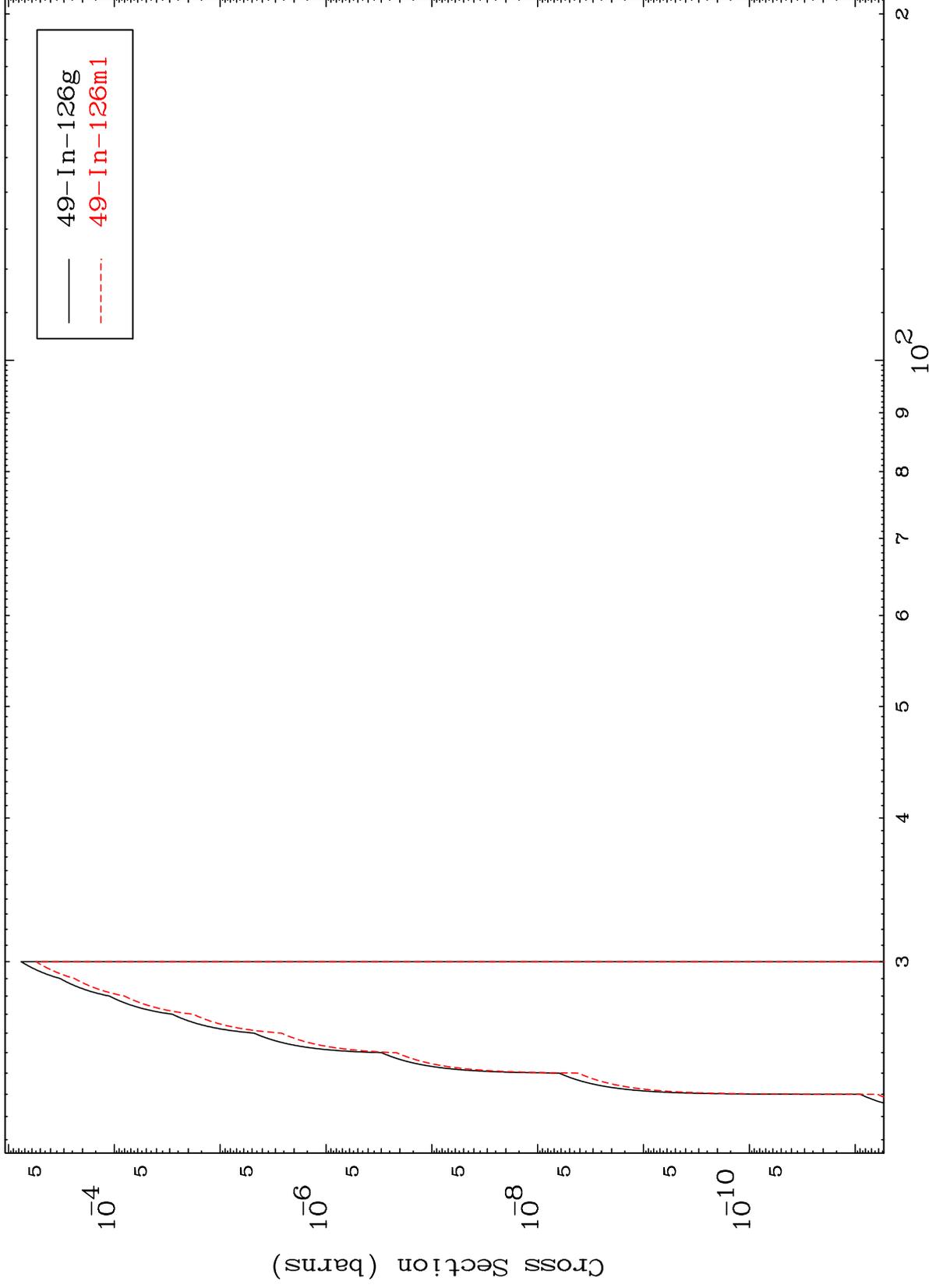
50-Sn-128

MAT 5073

(n,2n) p

50-Sn-128

Radionuclide Production Cross Section



142

Incident Energy (MeV)

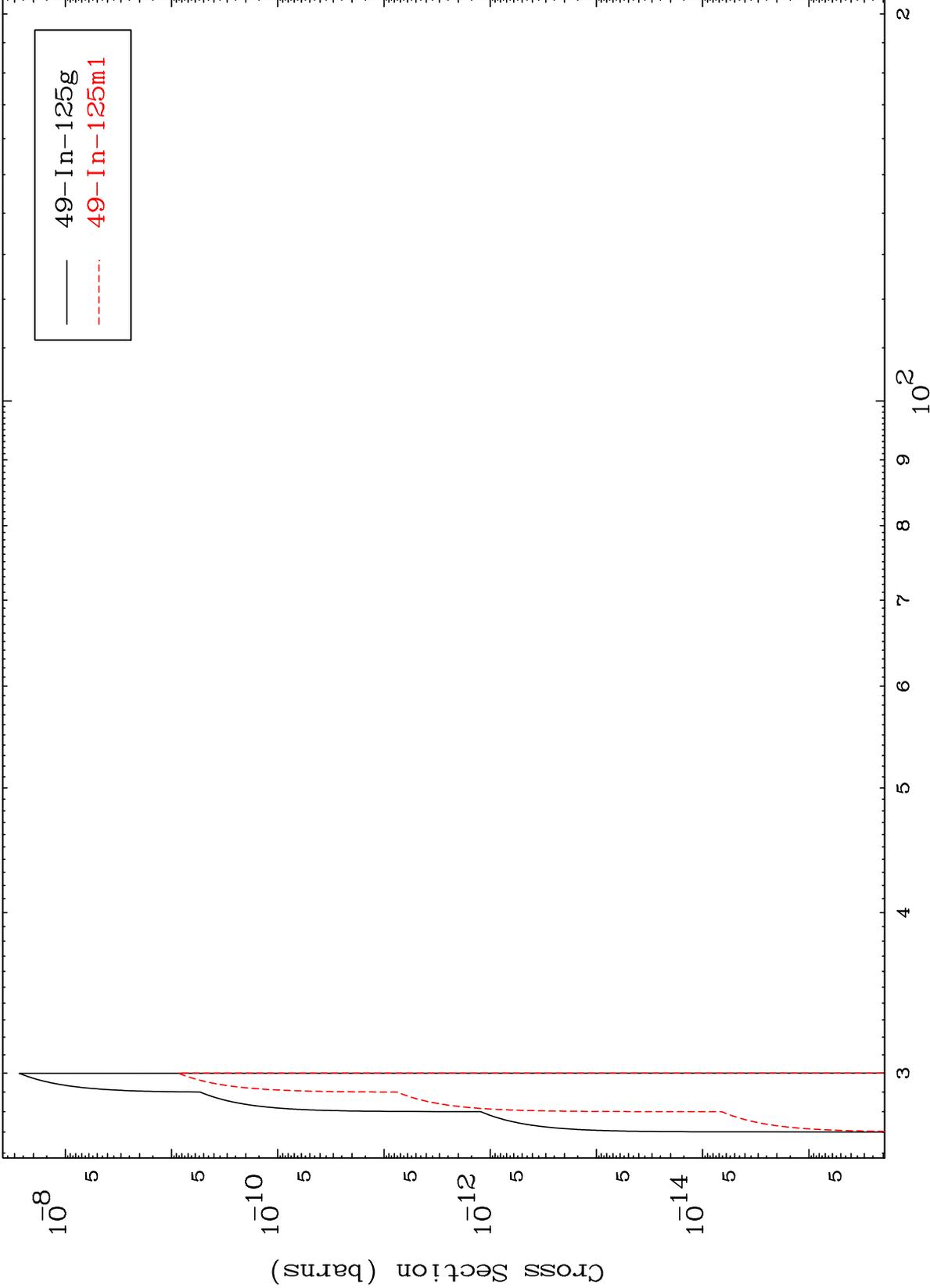
50-Sn-128

MAT 5073

(n,3n) p

50-Sn-128

Radionuclide Production Cross Section

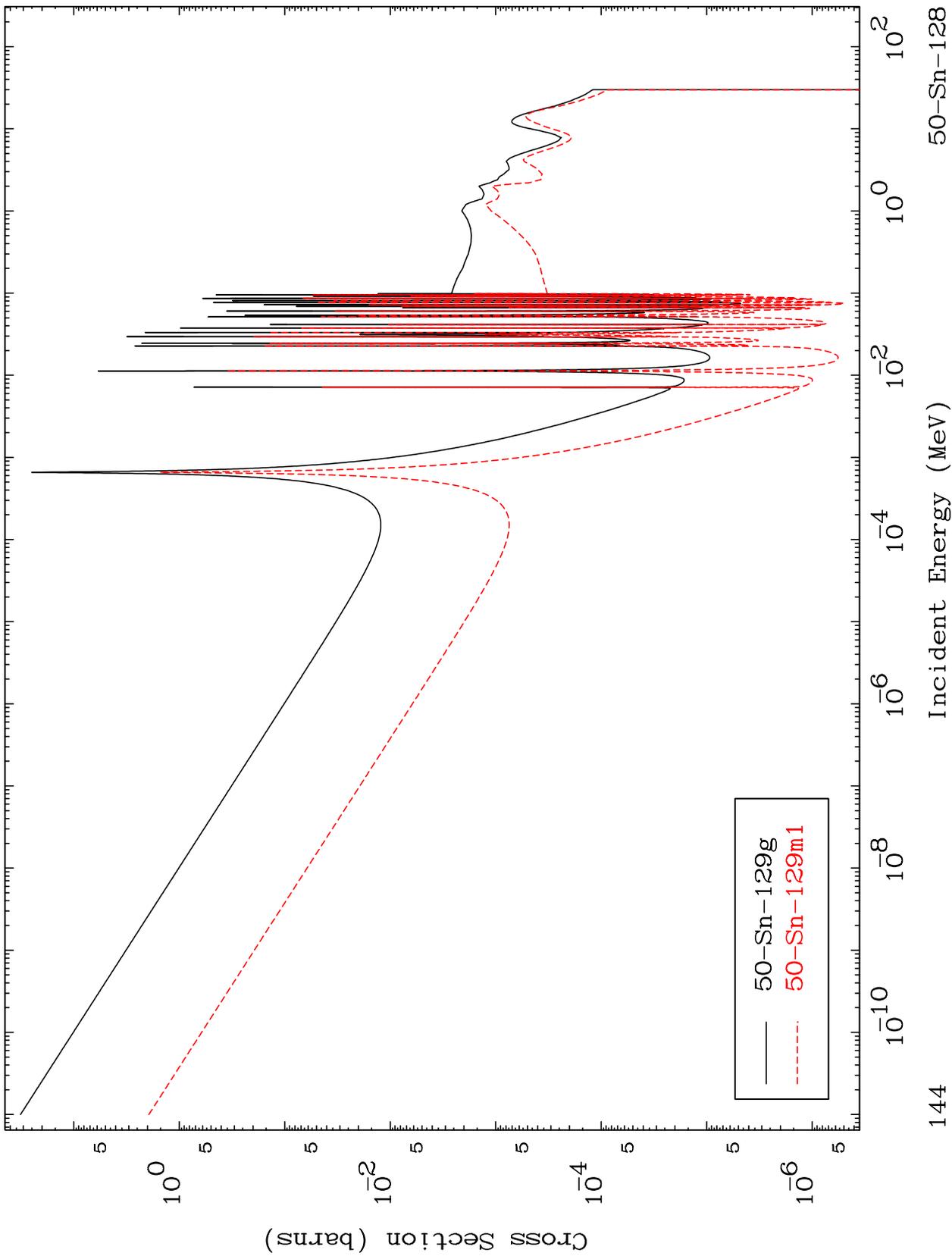


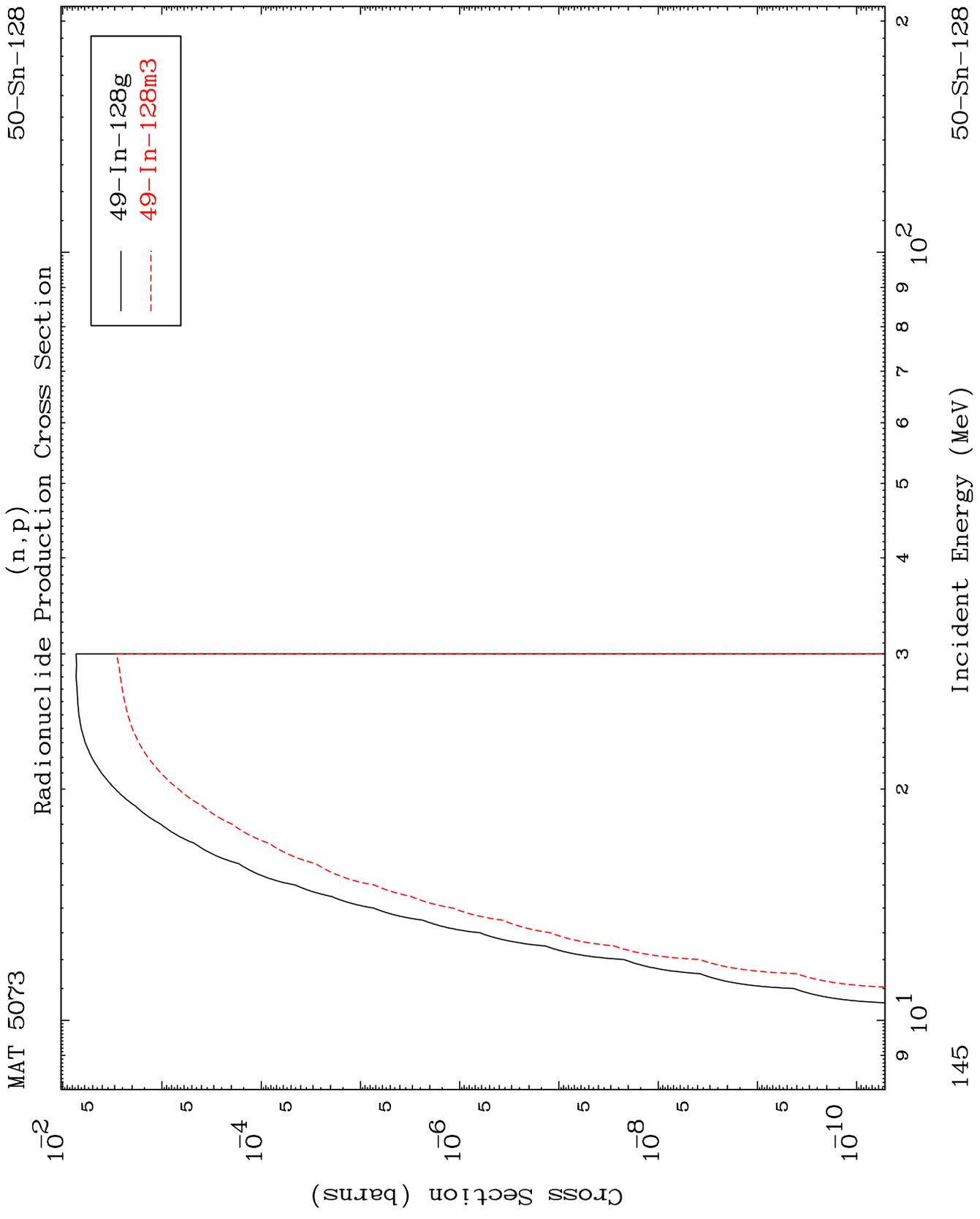
49-In-125g
49-In-125m1

MAT 5073

50-Sn-128

(n, γ)
Radionuclide Production Cross Section

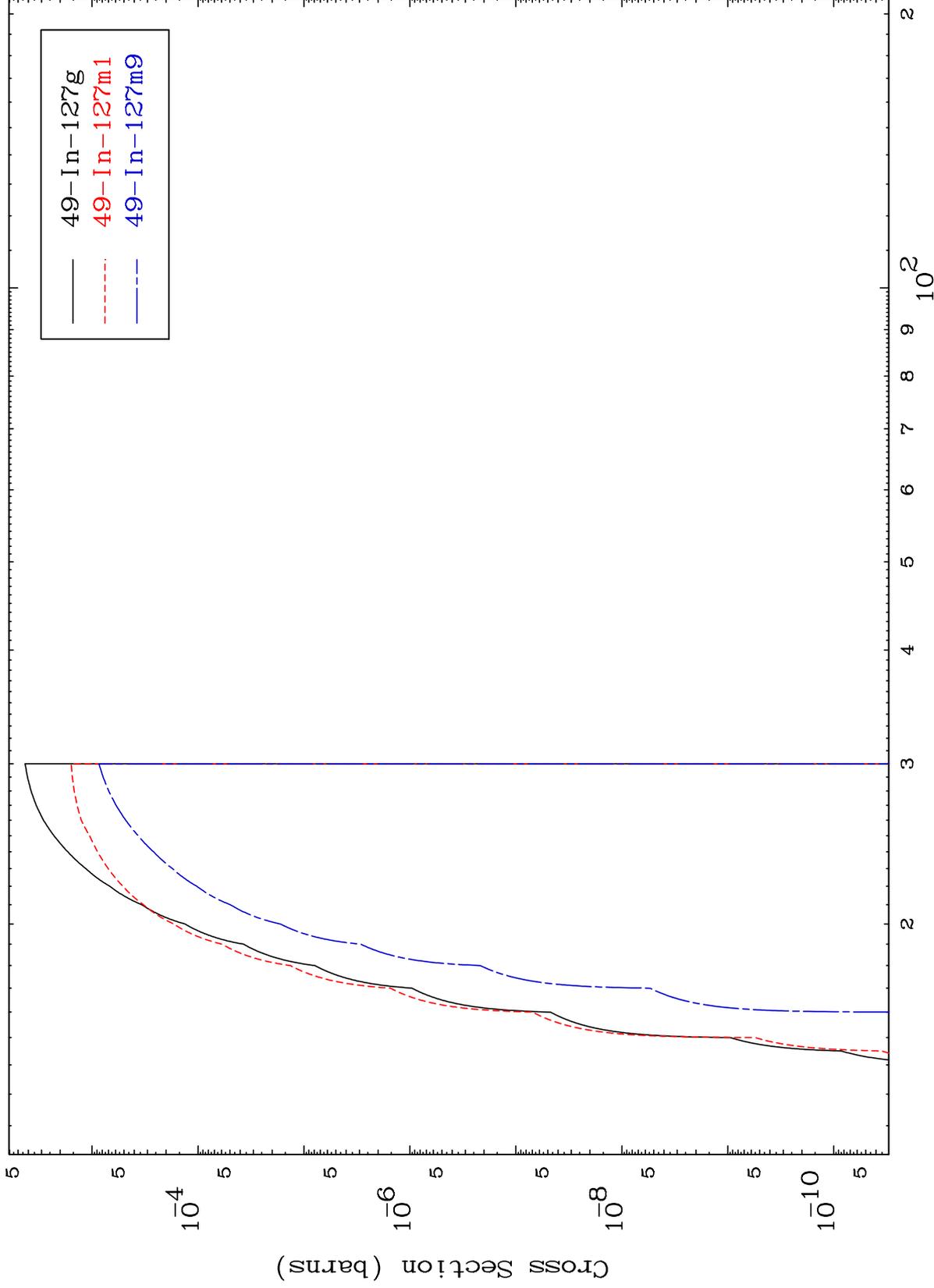




MAT 5073

50-Sn-128

(n,d)
Radionuclide Production Cross Section



146

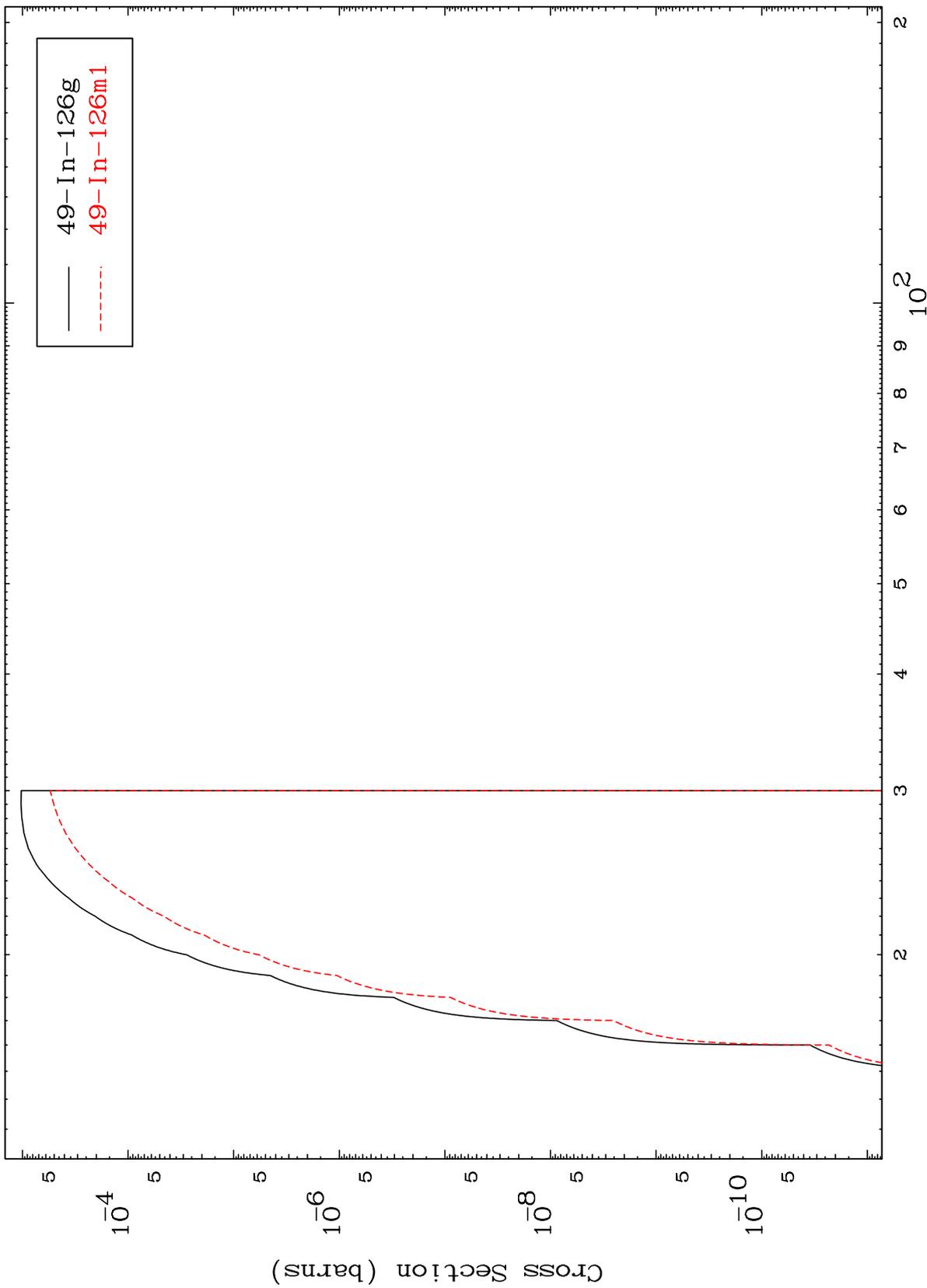
Incident Energy (MeV)

50-Sn-128

MAT 5073

50-Sn-128

(n,t)
Radionuclide Production Cross Section



50-Sn-128

Incident Energy (MeV)

147