

Program EVALPLOT
(Version 2017-1)

by

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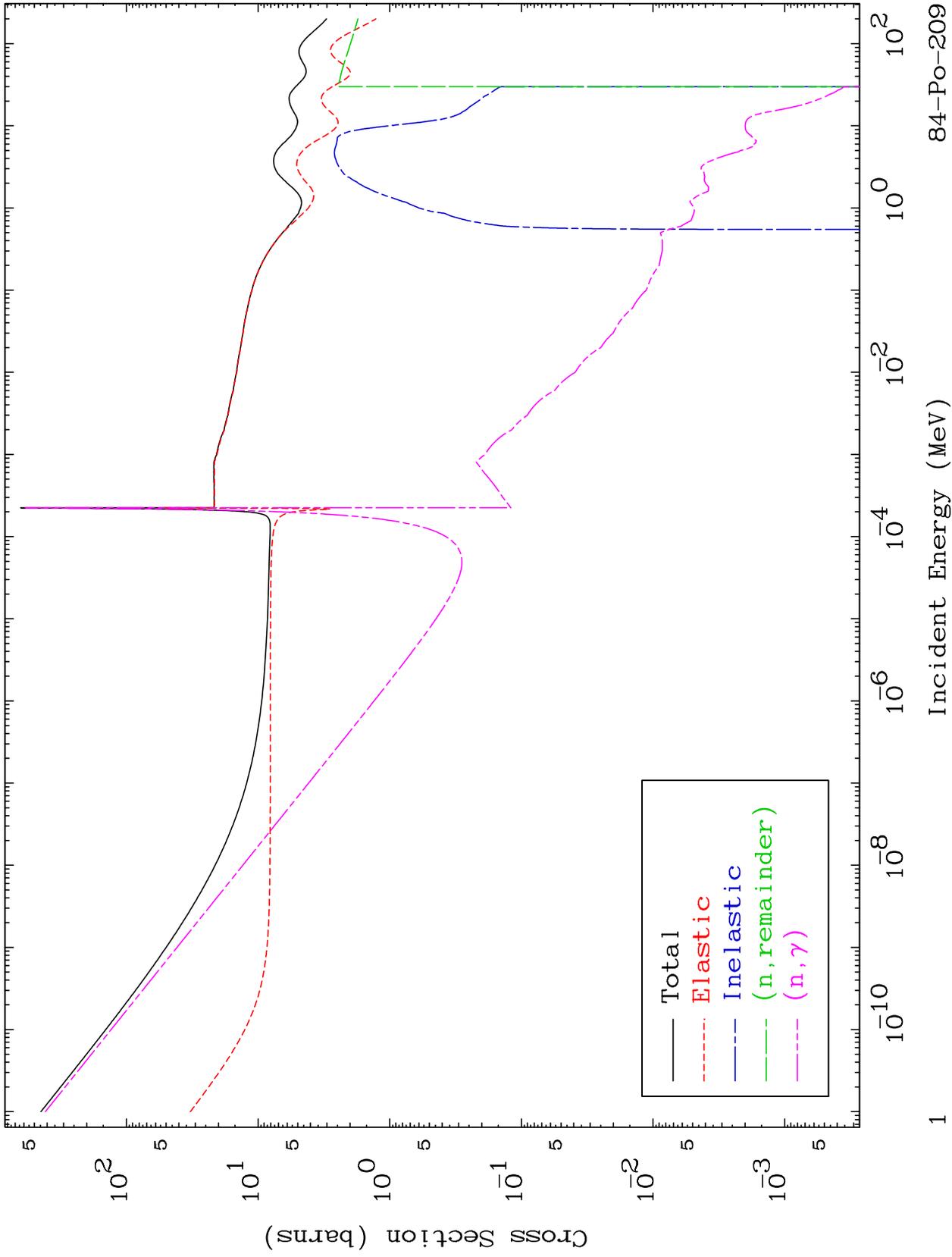
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MAT 8434

Major

293 Kelvin Cross Sections

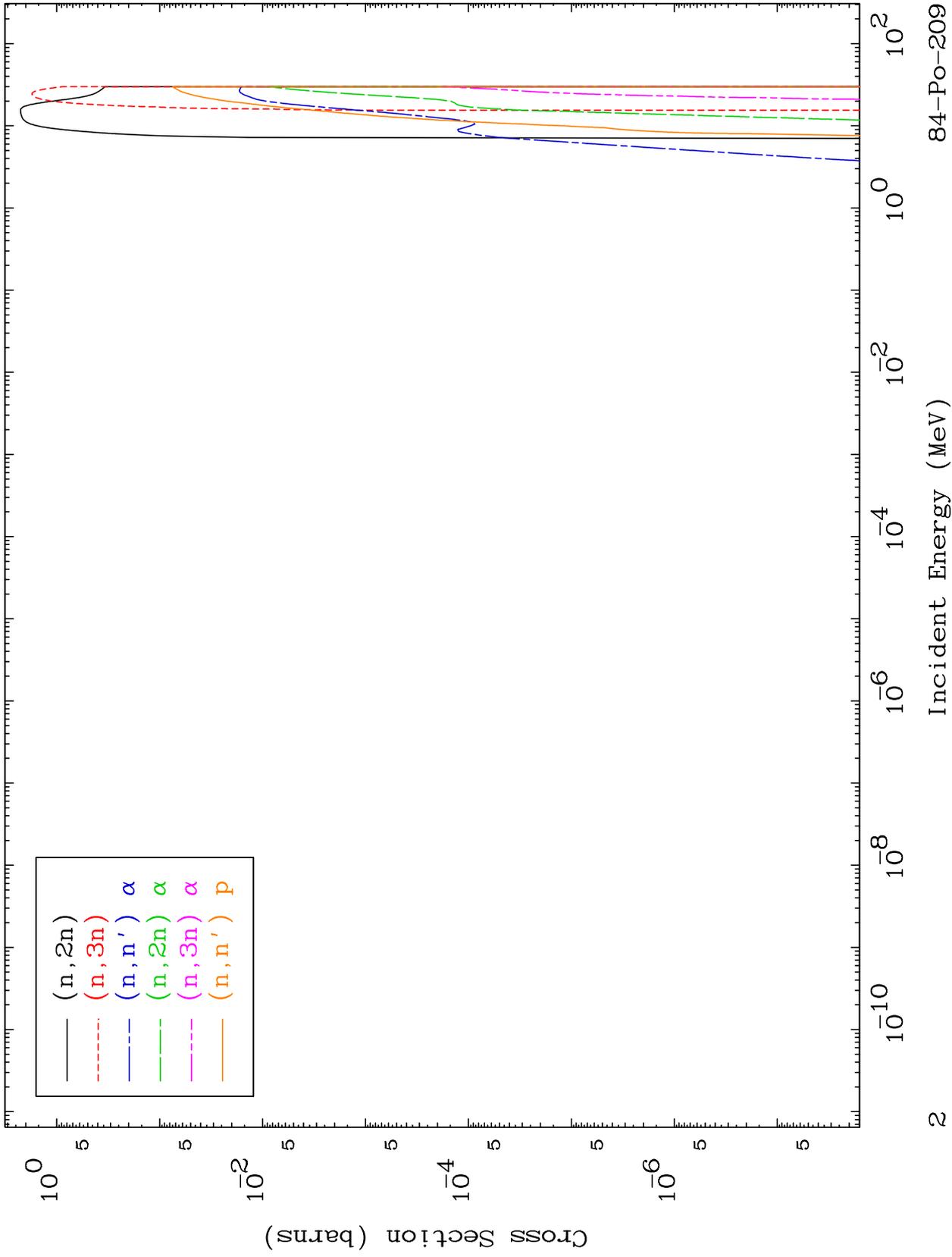
84-Po-209



MAT 8434

Neutron Production
293 Kelvin Cross Sections

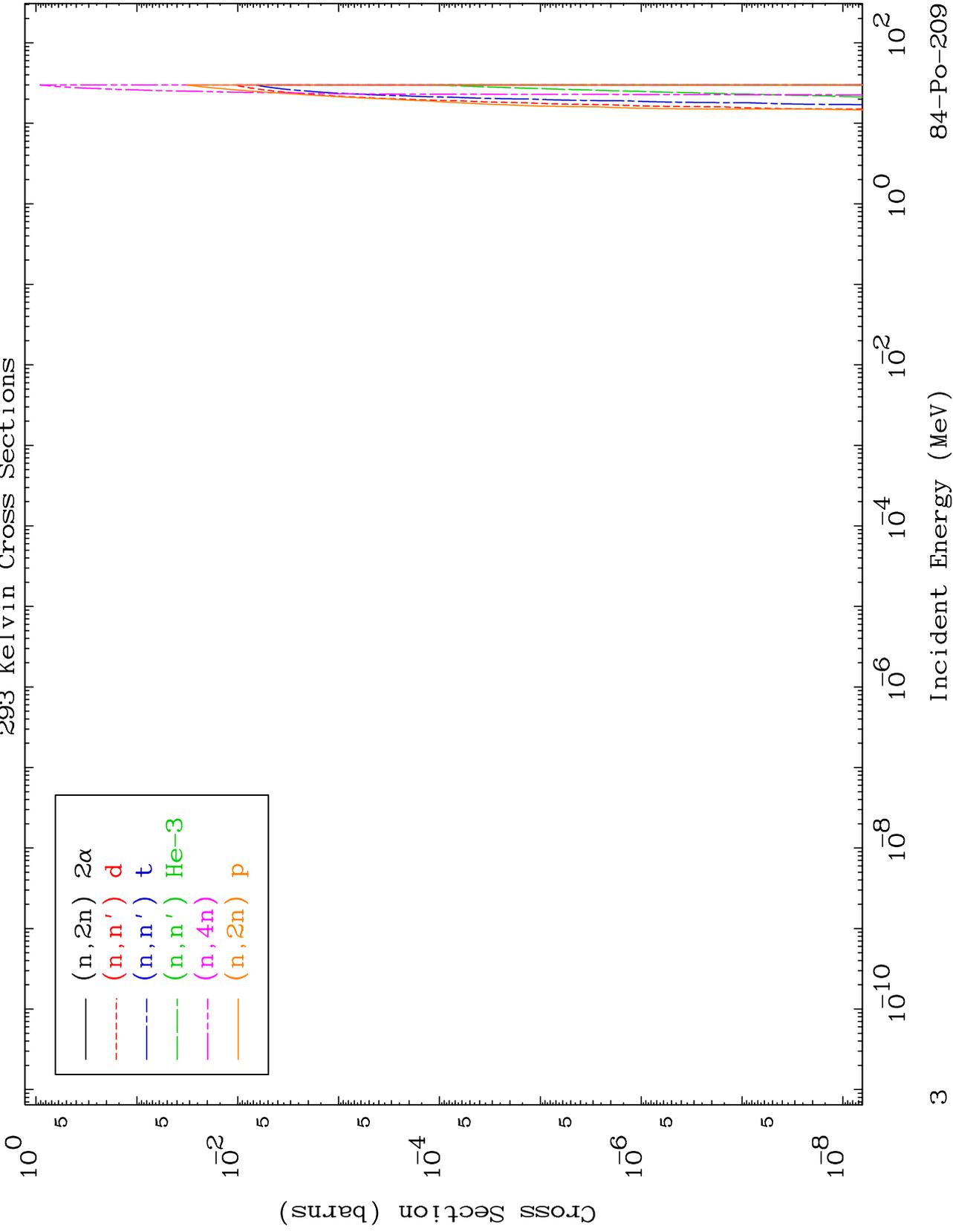
84-Po-209



MAT 8434

Neutron Production
293 Kelvin Cross Sections

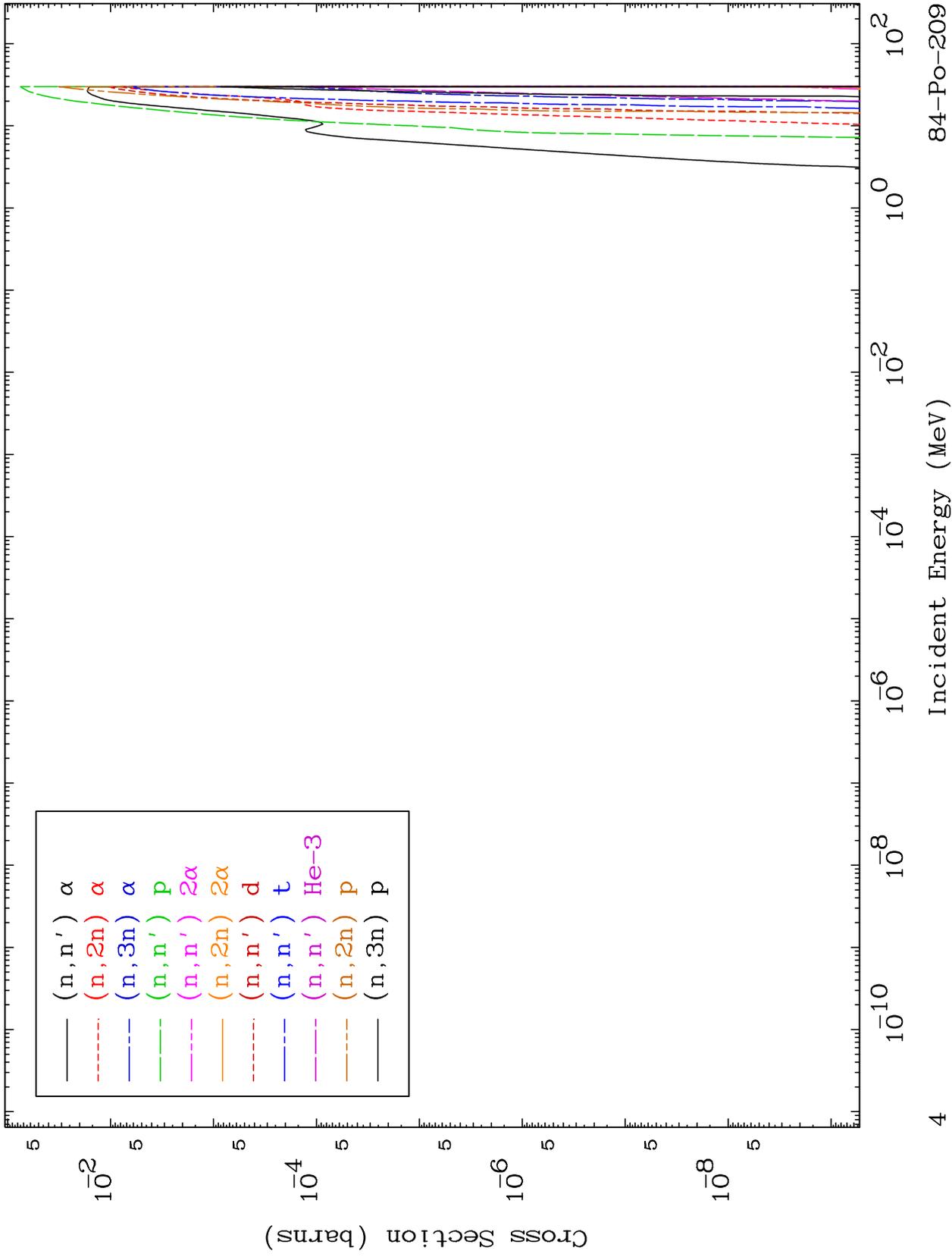
84-Po-209



MAT 8434

Charged Particle
293 Kelvin Cross Sections

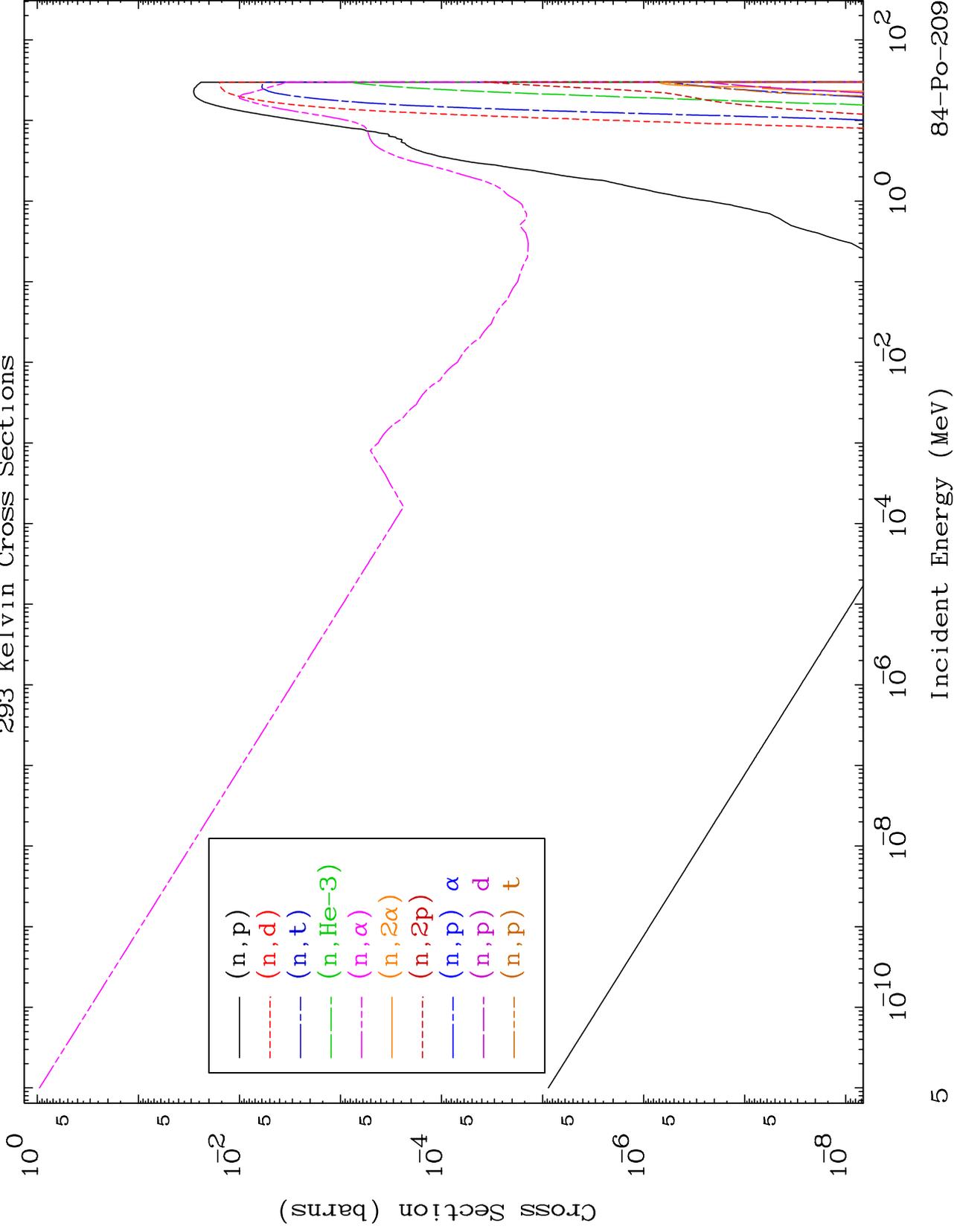
84-Po-209



MAT 8434

Charged Particle
293 Kelvin Cross Sections

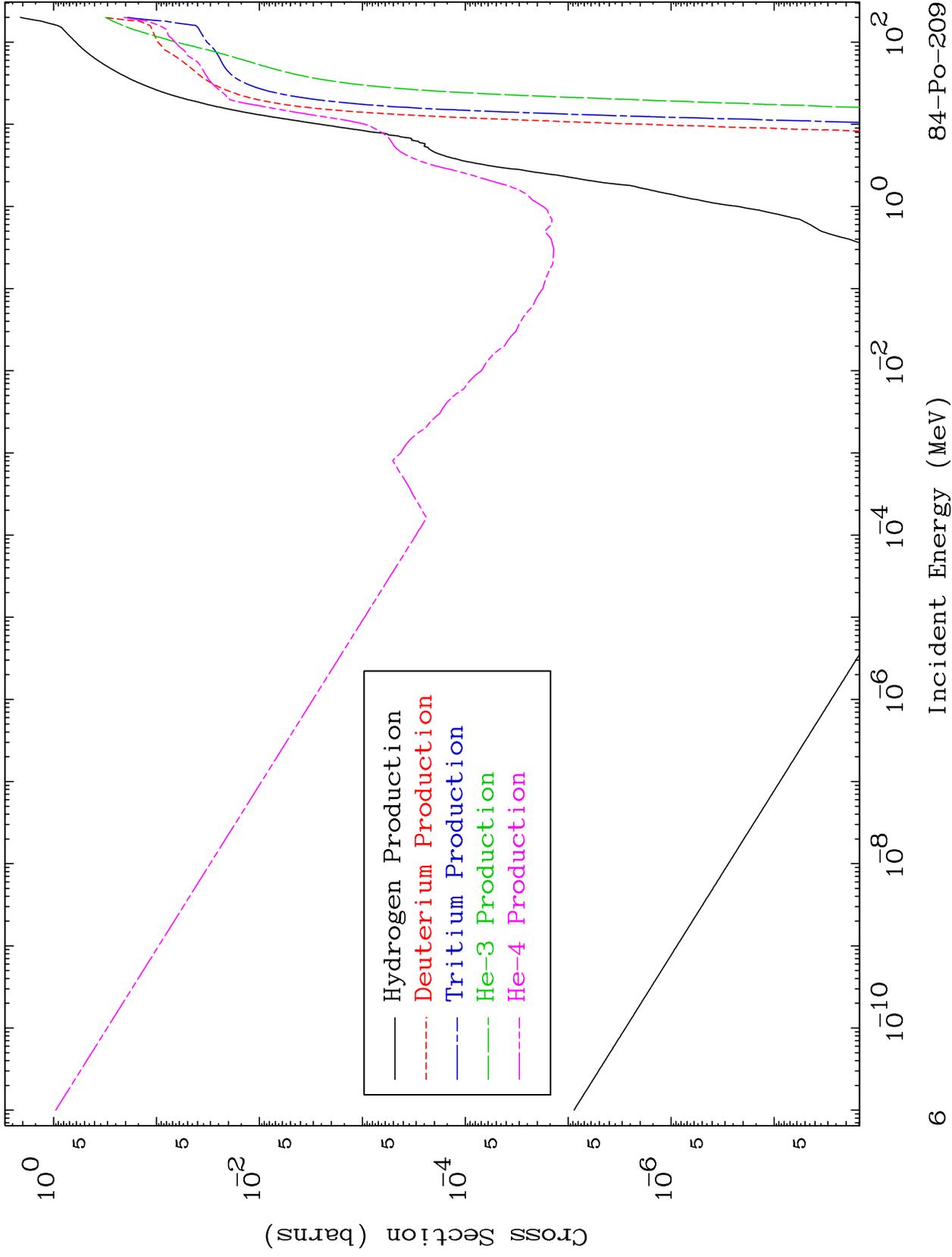
84-Po-209



MAT 8434

Particle Production
293 Kelvin Cross Sections

84-Po-209

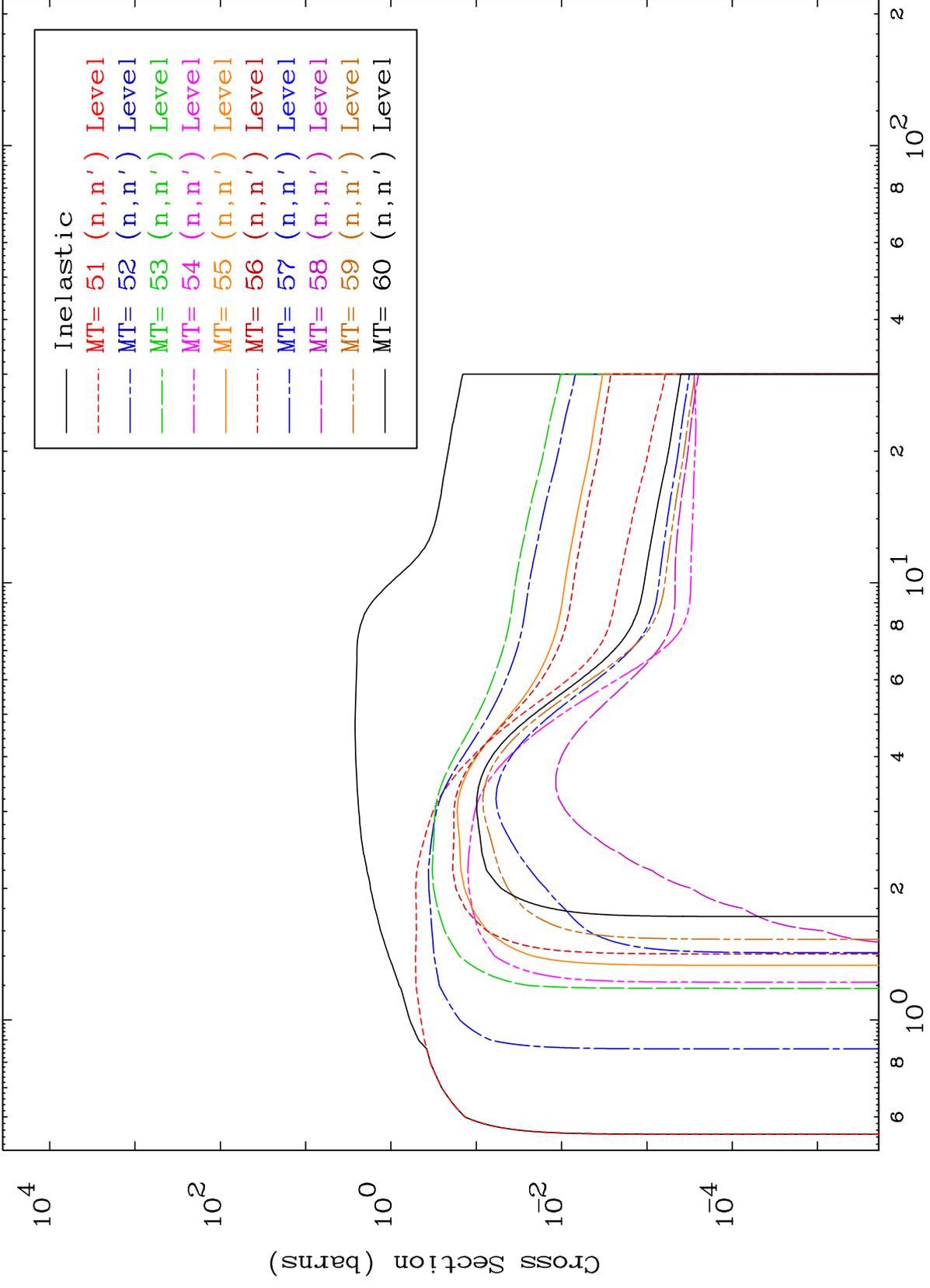


MAT 8434

(n,n') Level

84-Po-209

293 Kelvin Cross Sections

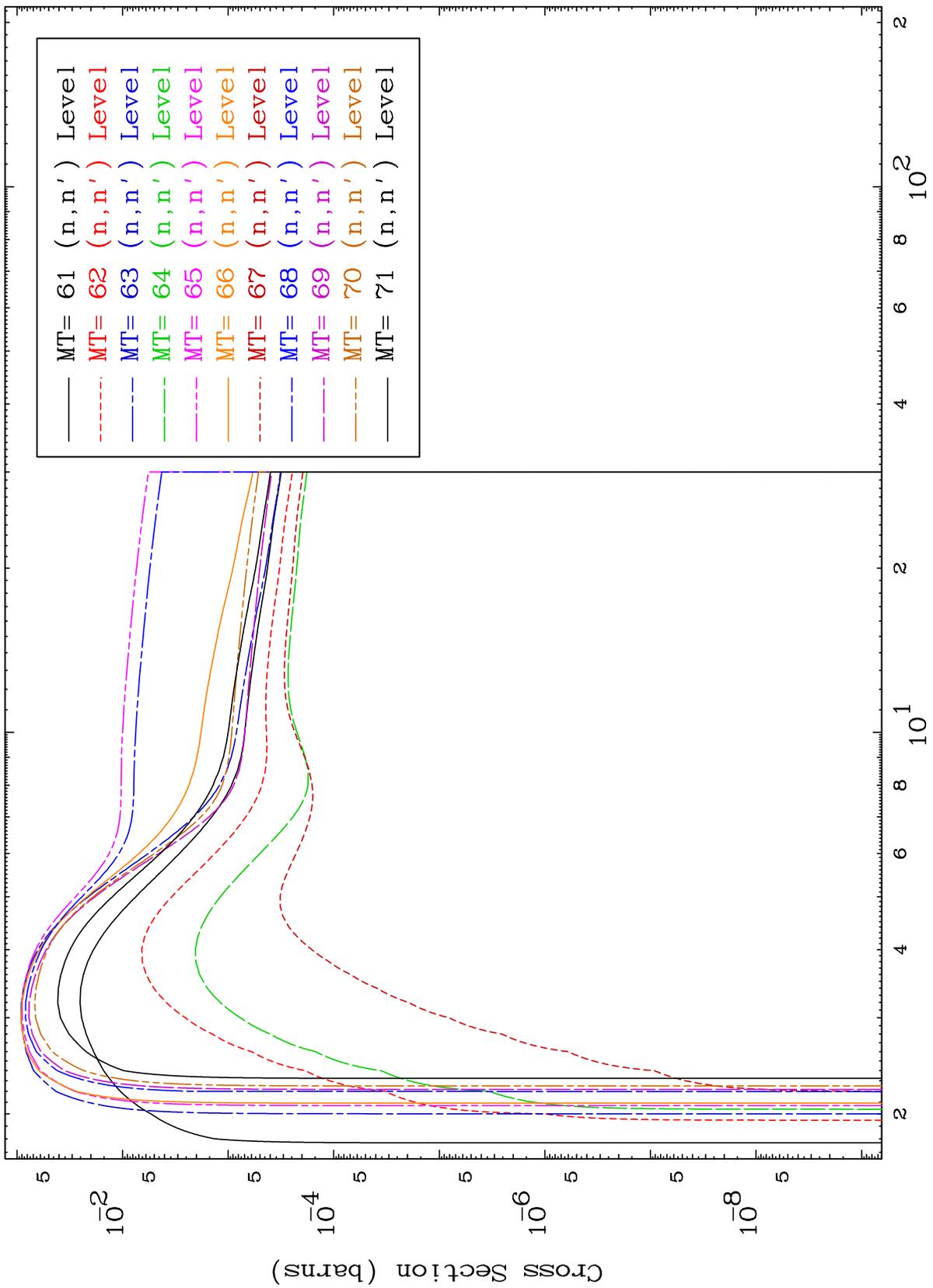


MAT 8434

(n,n') Level

84-Po-209

293 Kelvin Cross Sections

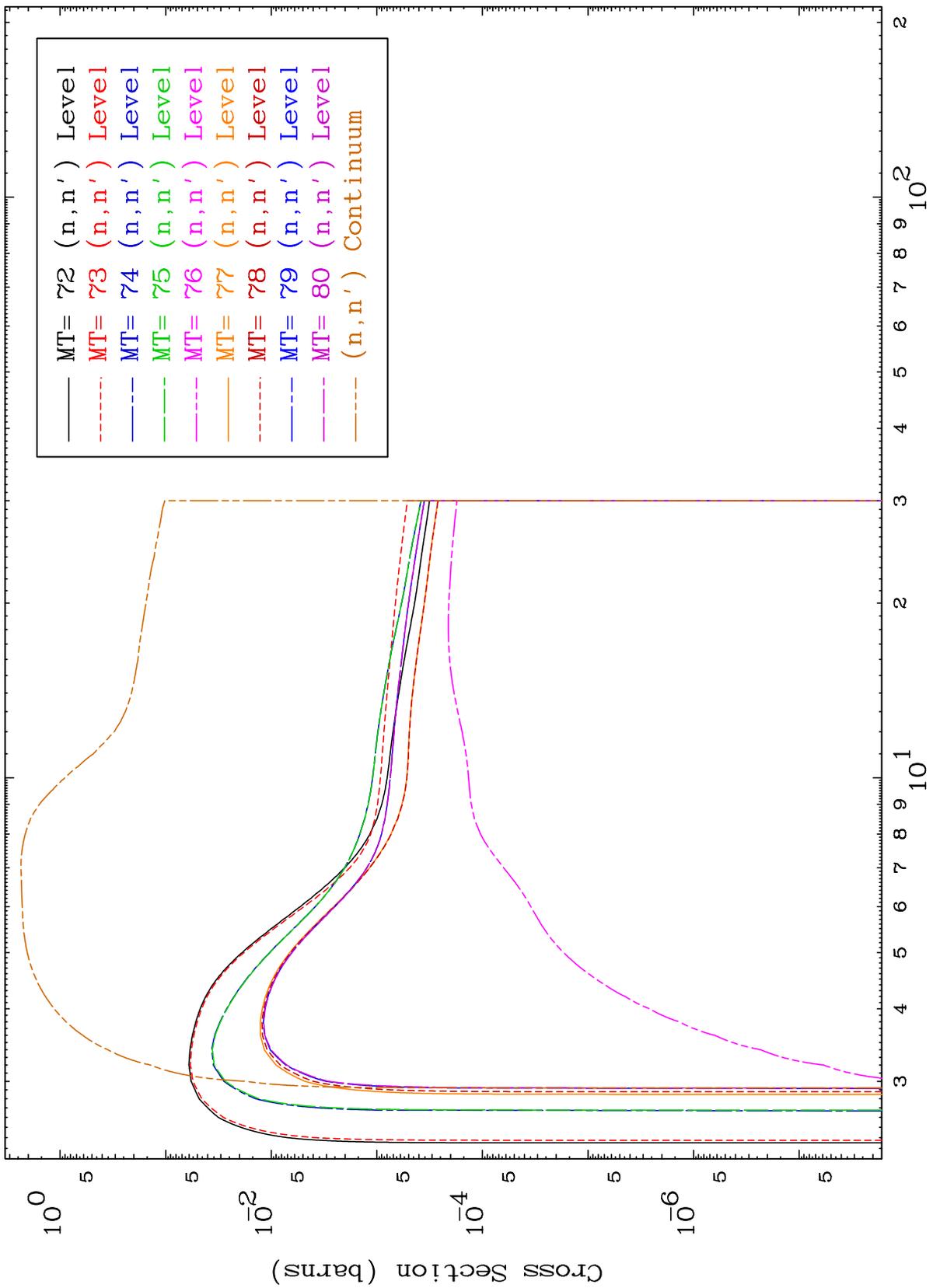


8

Incident Energy (MeV)

84-Po-209

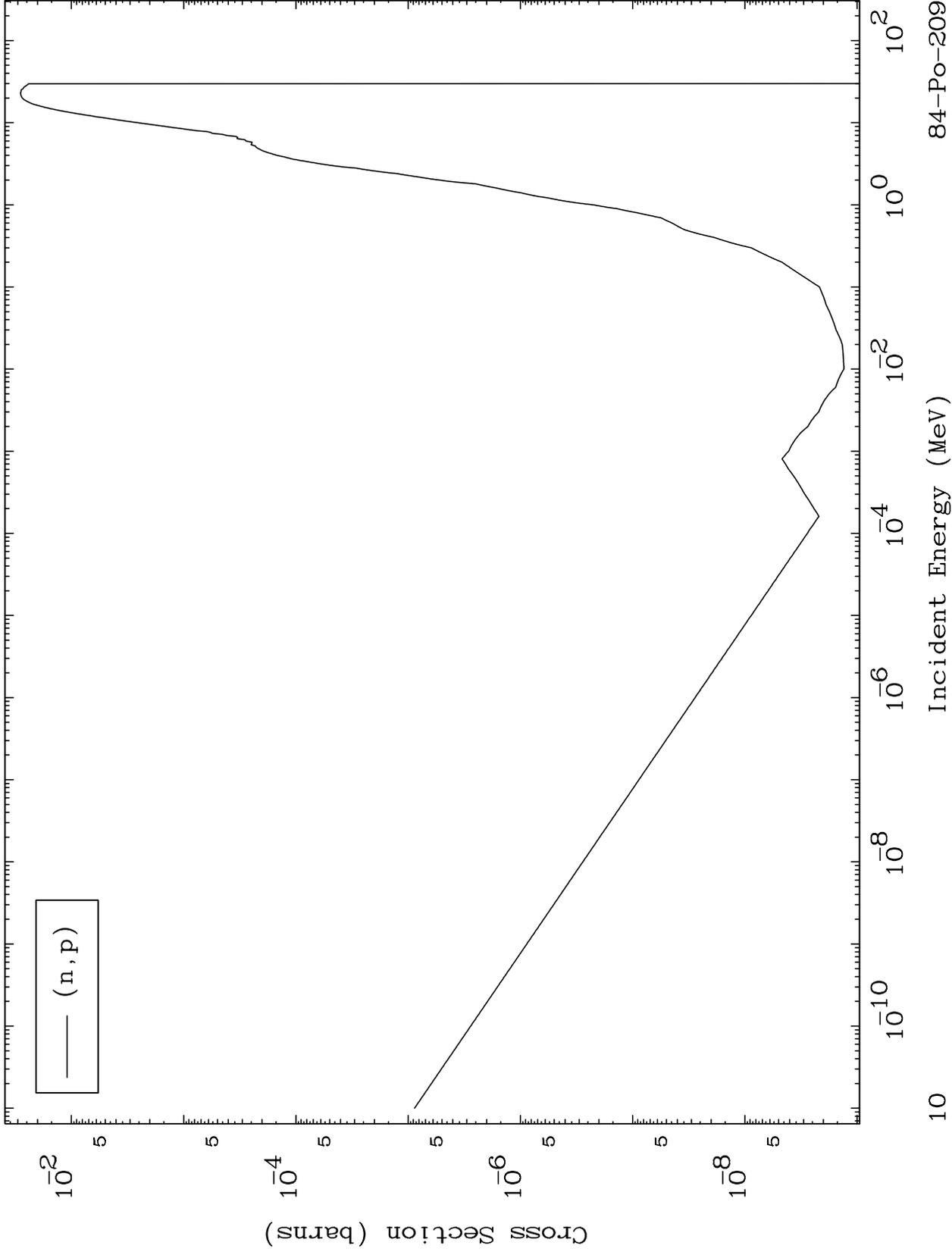
293 Kelvin Cross Sections



MAT 8434

(n,p) Levels
293 Kelvin Cross Sections

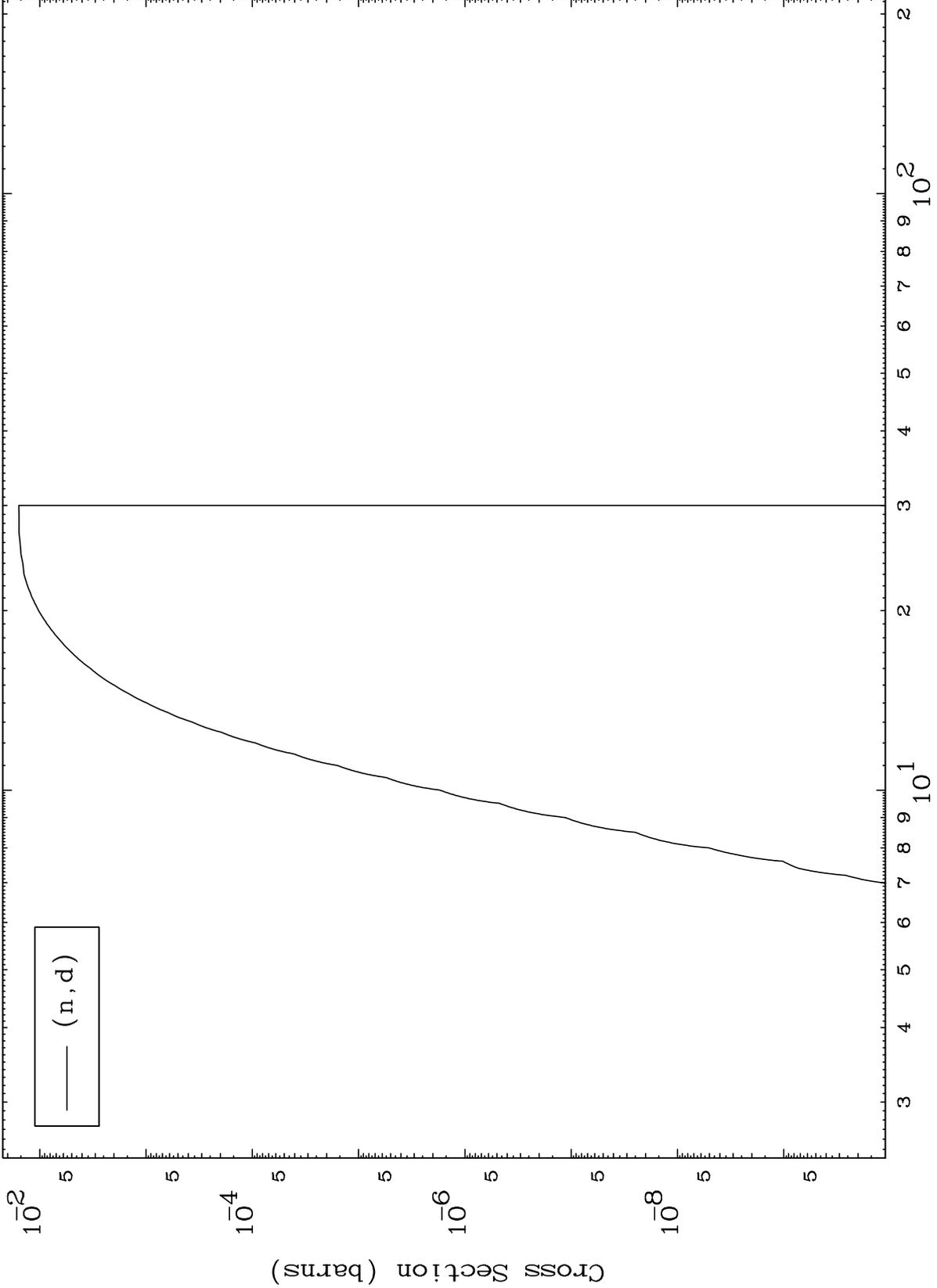
84-Po-209



MAT 8434

(n,d) Levels
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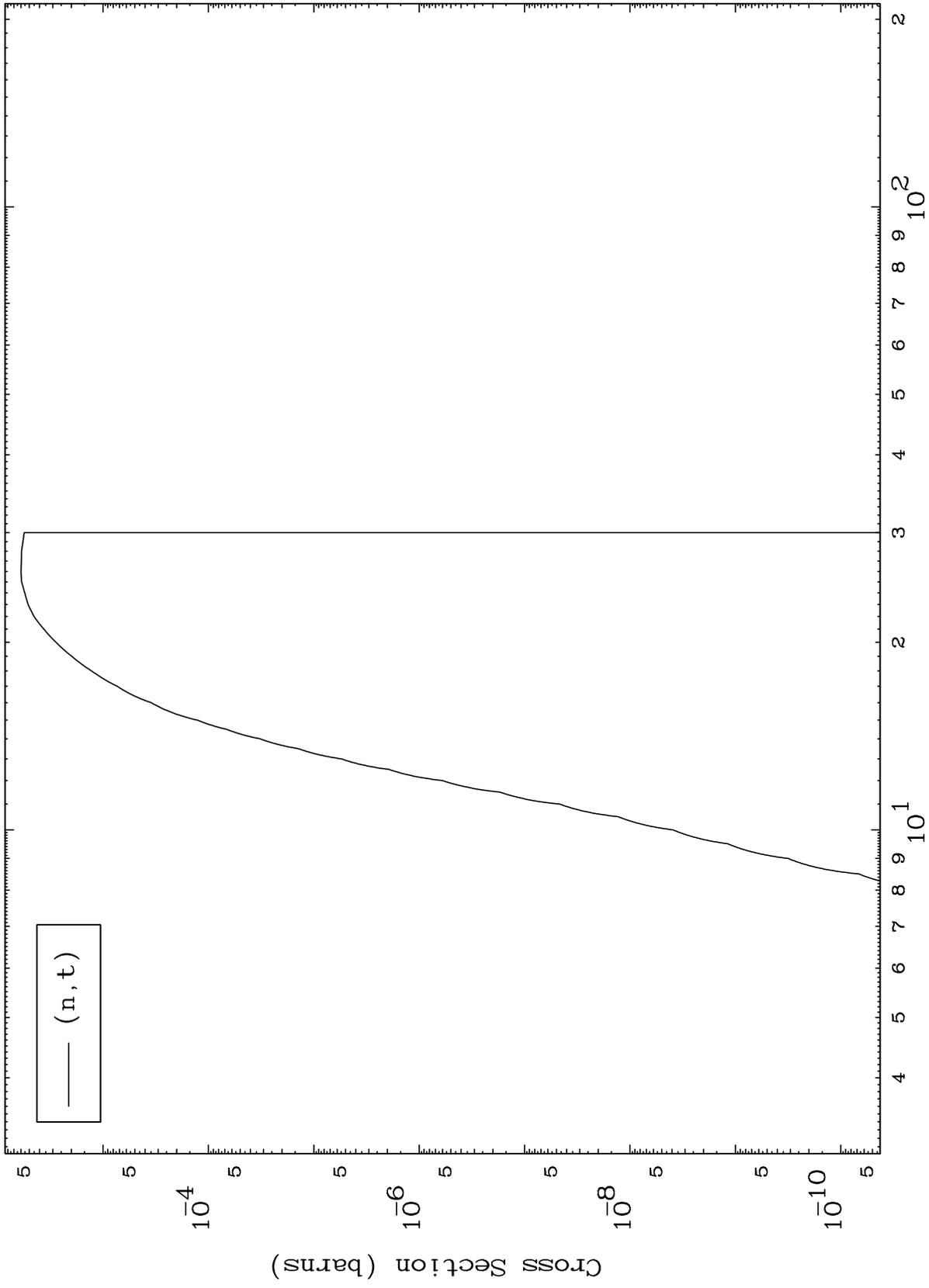
84-Po-209



MAT 8434

(n,t) Levels
293 Kelvin Cross Sections

84-Po-209



(n,t)

12

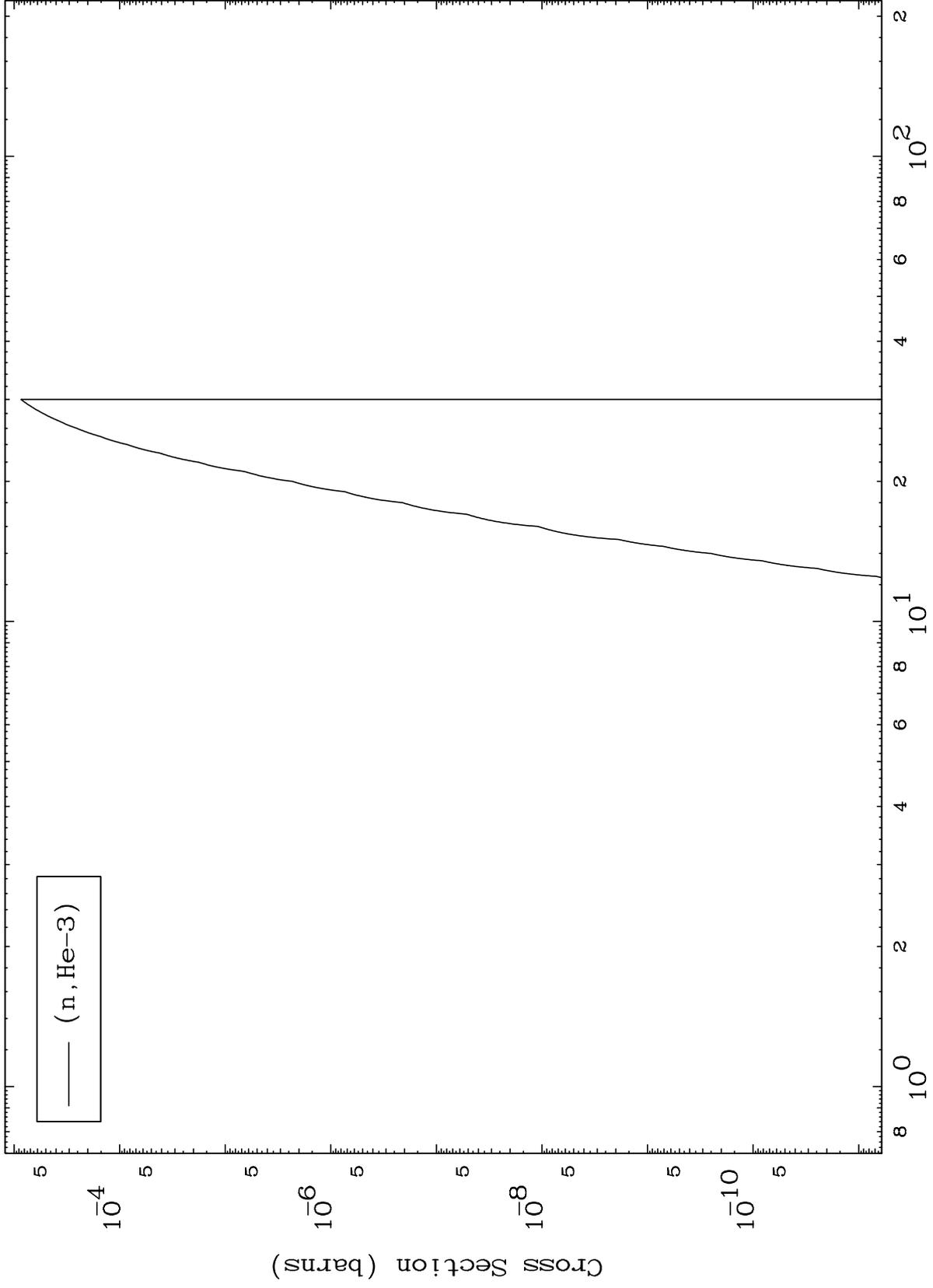
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,He3) Levels
293 Kelvin Cross Sections

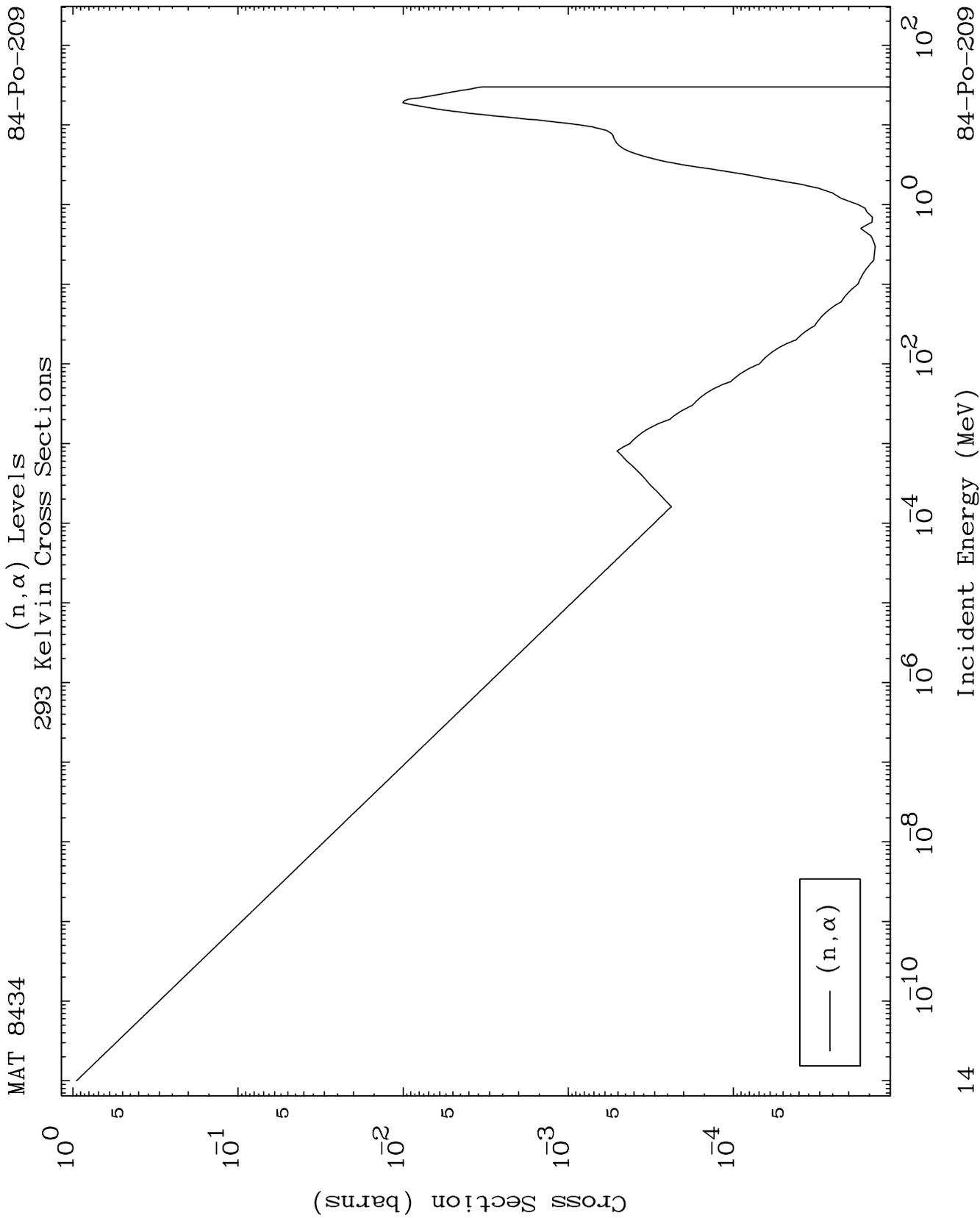
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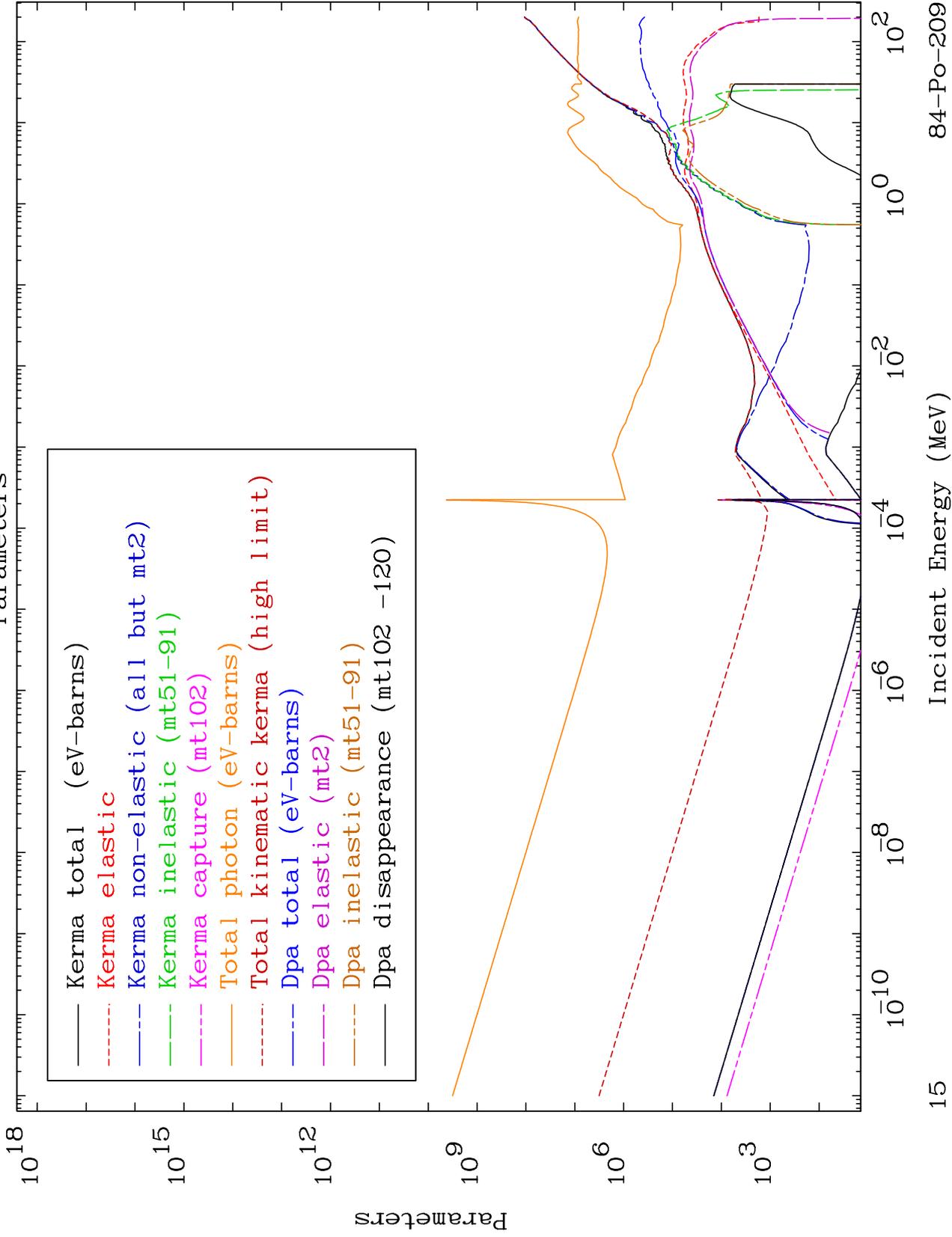


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Incident Energy (MeV)

84-Po-209

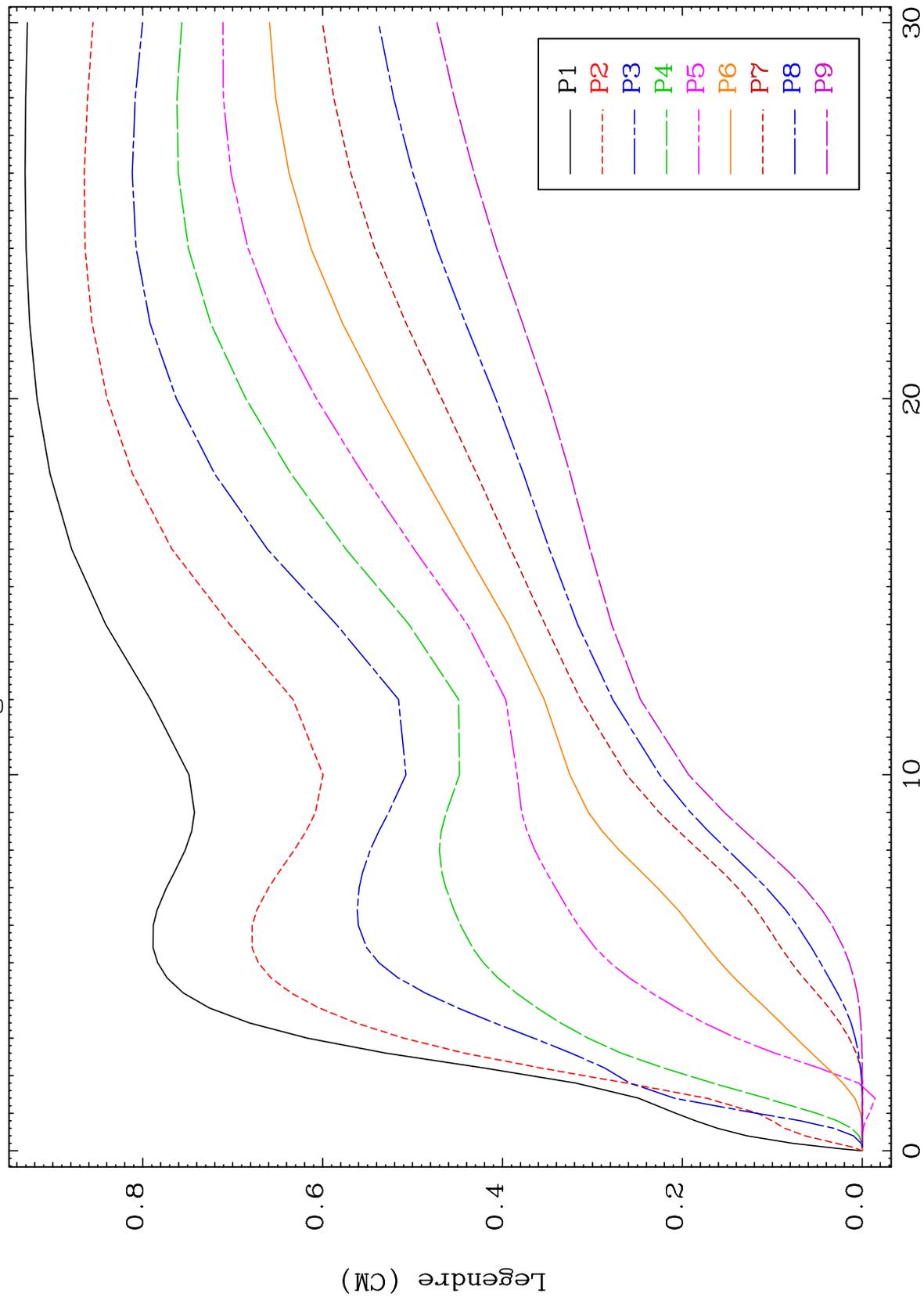




MAT 8434

Elastic Legendre Coefficients

84-Po-209



16

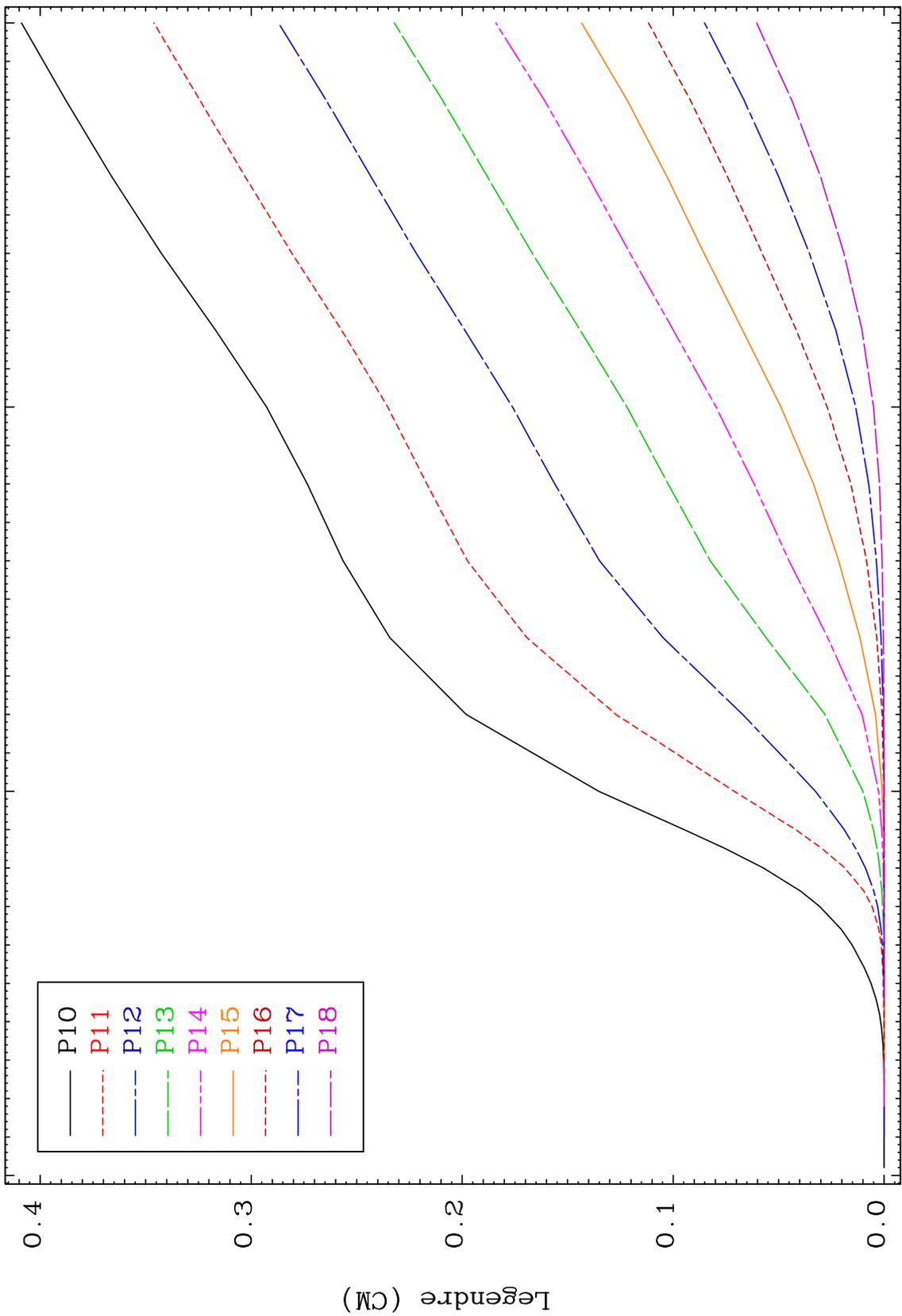
Incident Energy (MeV)

84-Po-209

MAT 8434

Elastic Legendre Coefficients

84-Po-209



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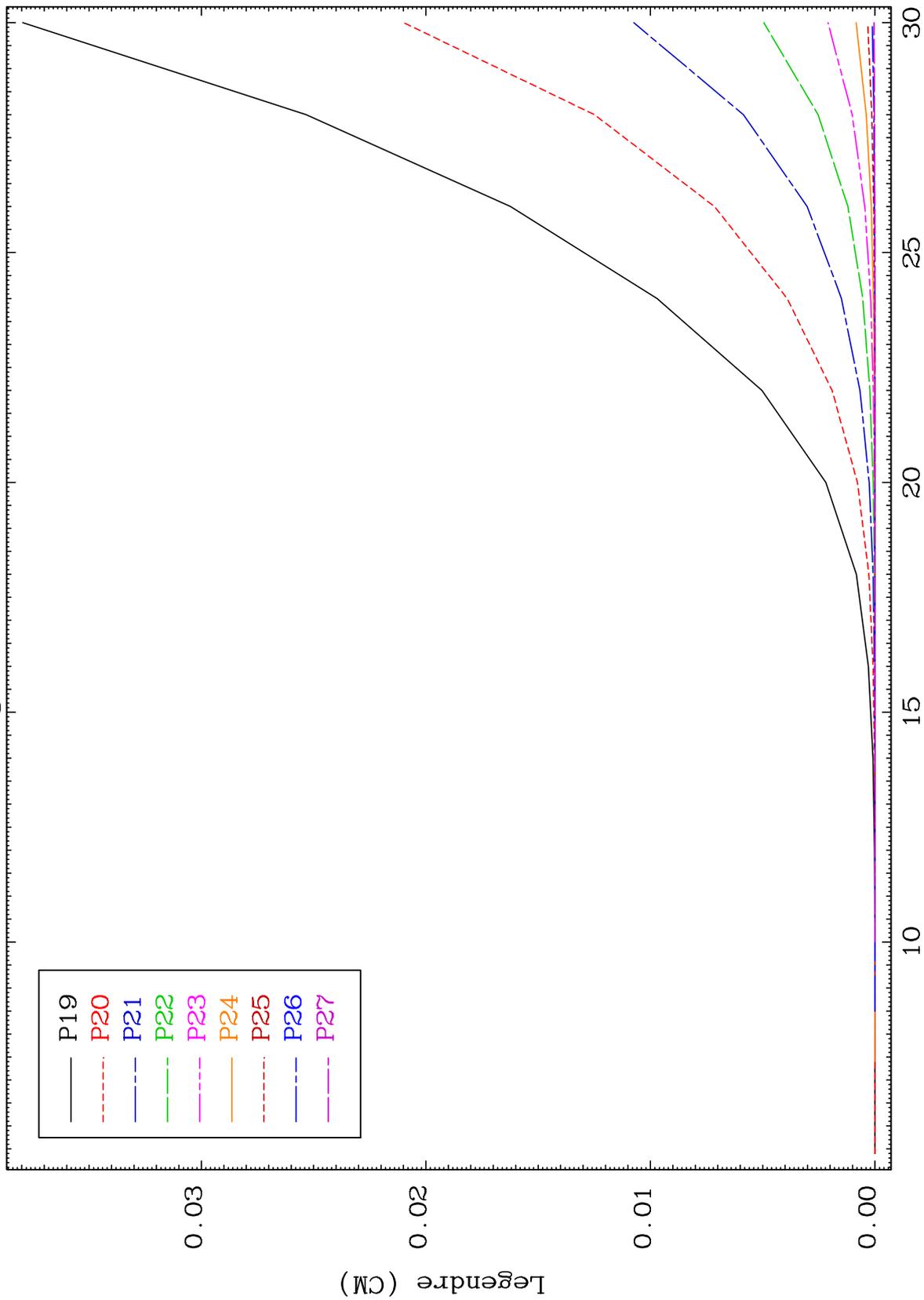
Incident Energy (MeV)

84-Po-209

MAT 8434

Elastic Legendre Coefficients

84-Po-209



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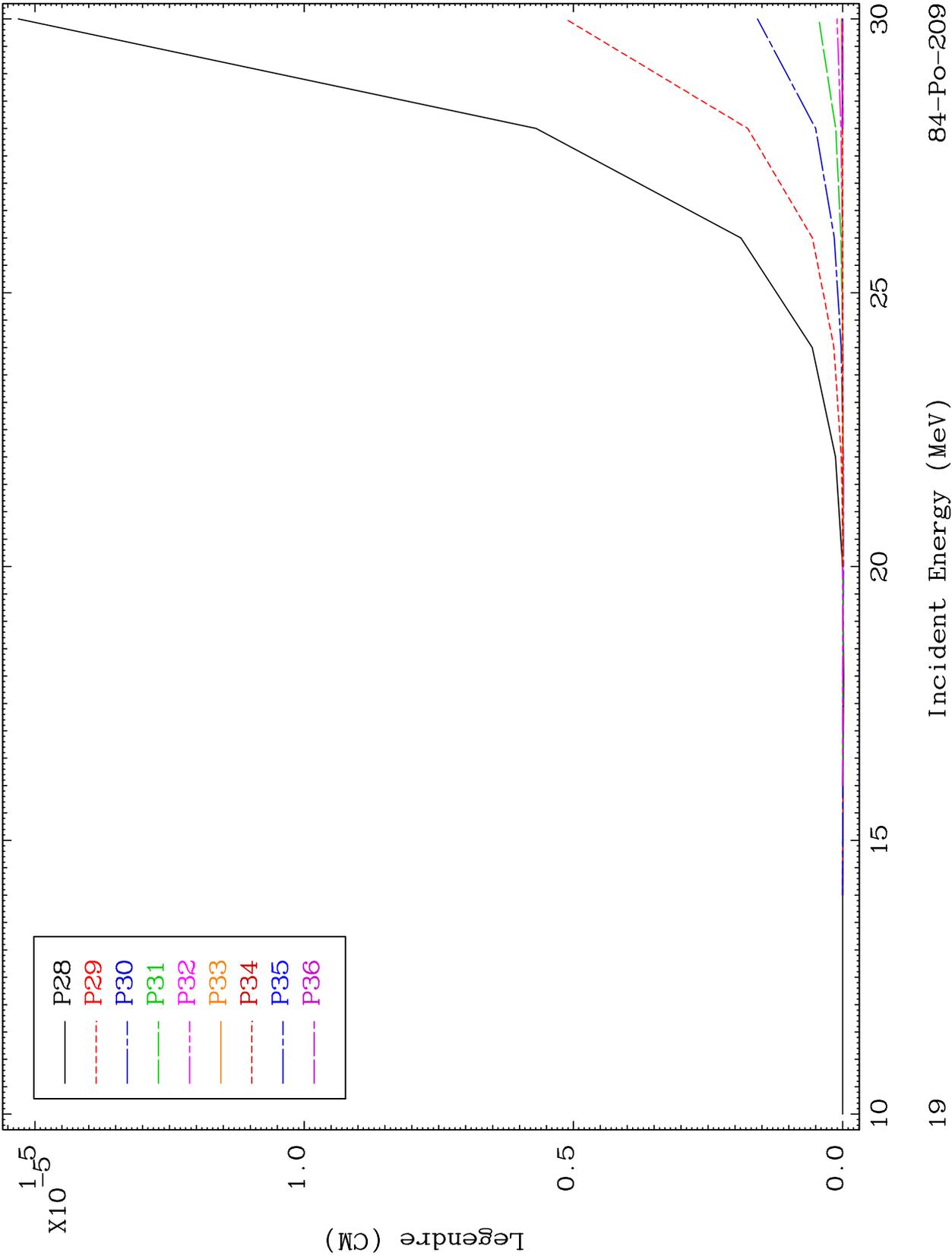
Incident Energy (MeV)

84-Po-209

MAT 8434

Elastic Legendre Coefficients

84-Po-209



19

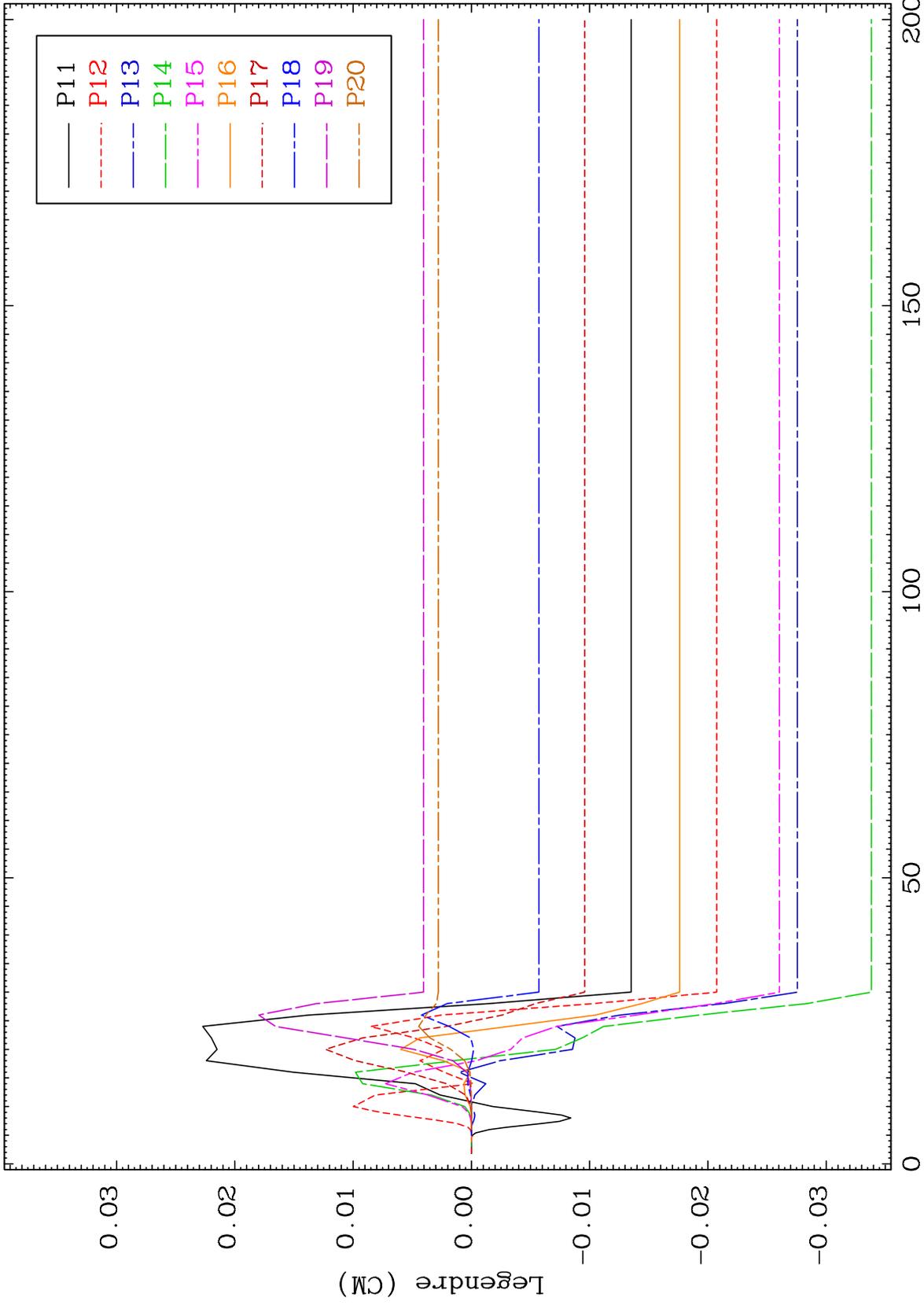
Incident Energy (MeV)

84-Po-209

MAT 8434

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

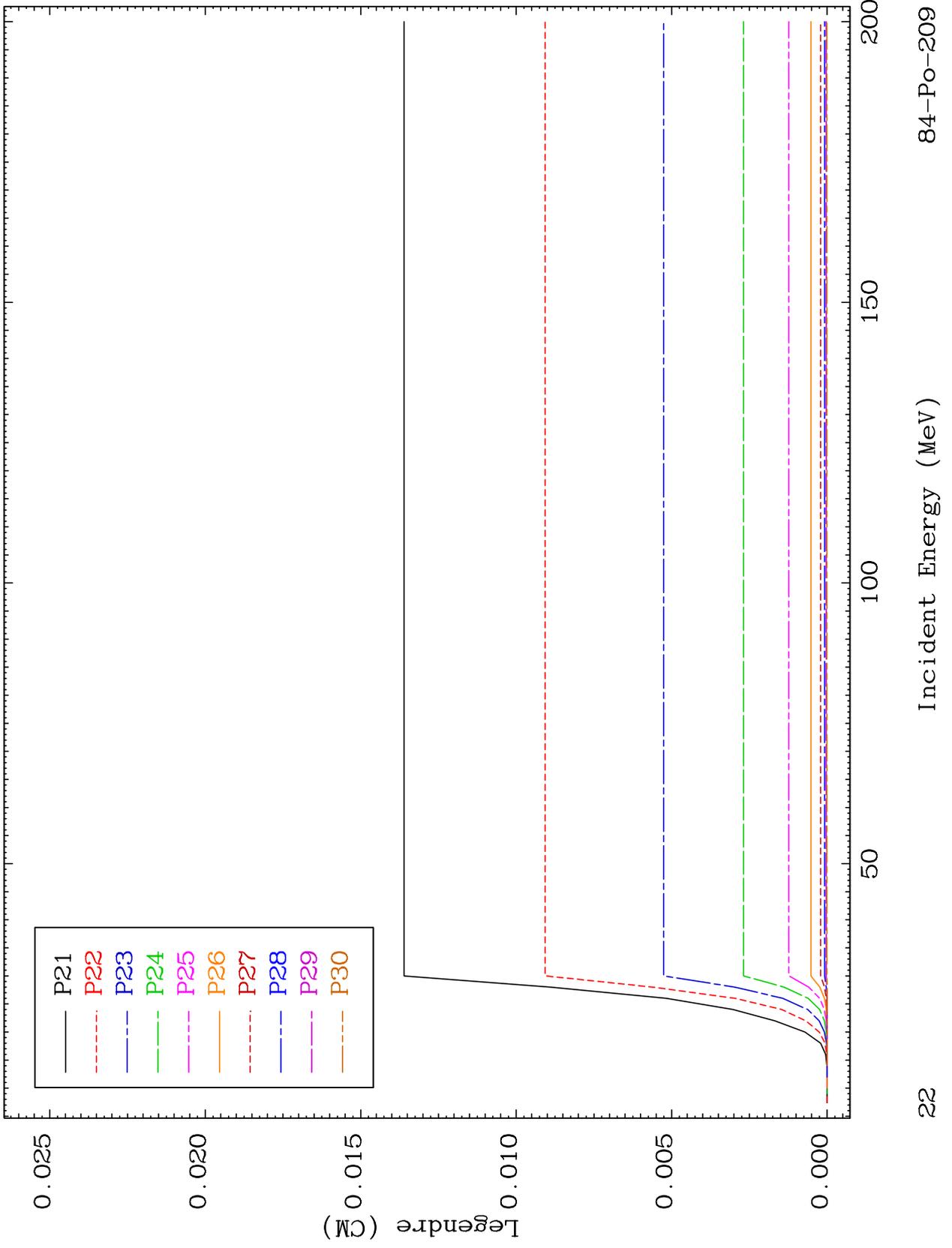
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21

Incident Energy (MeV)

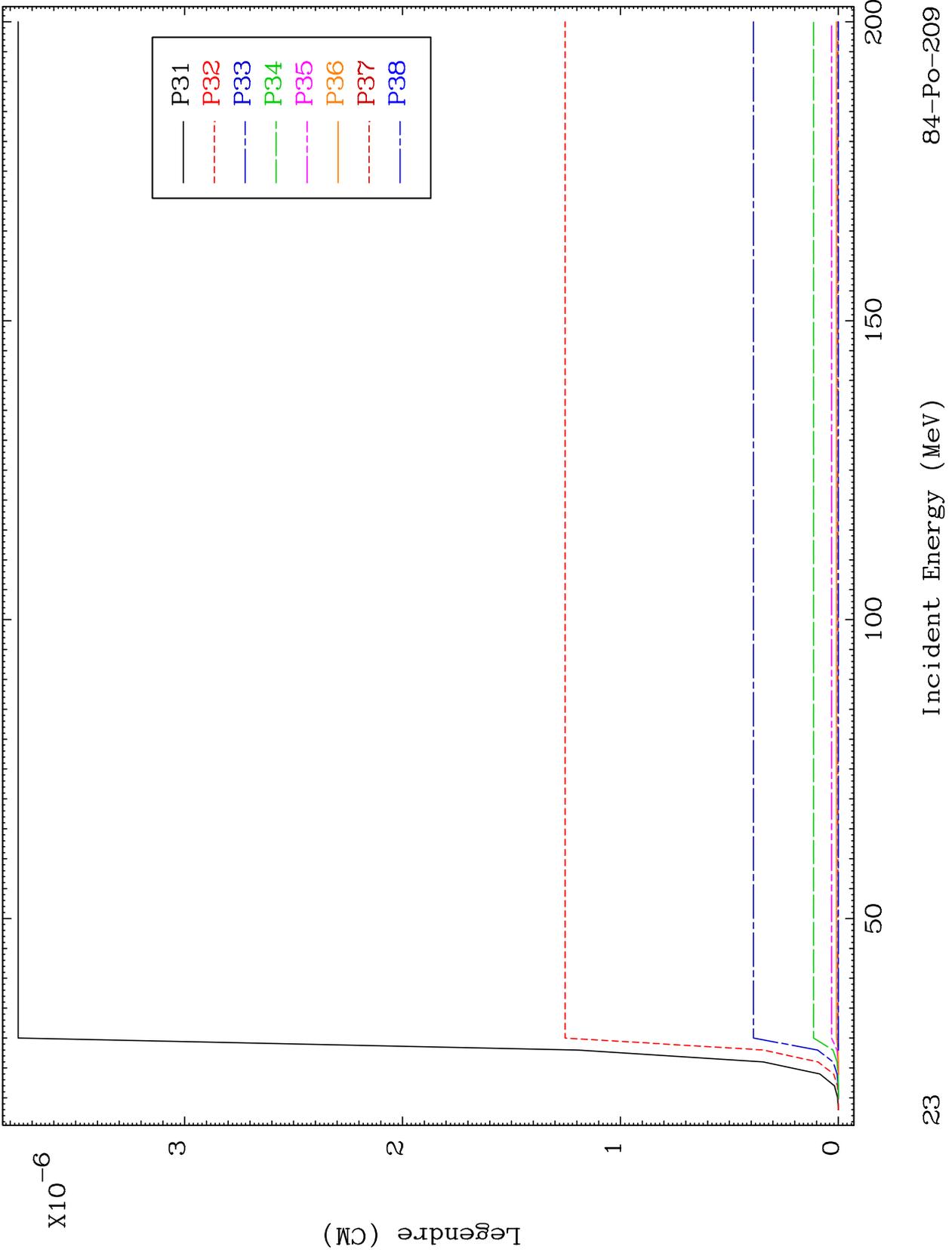
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MAT 8434

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

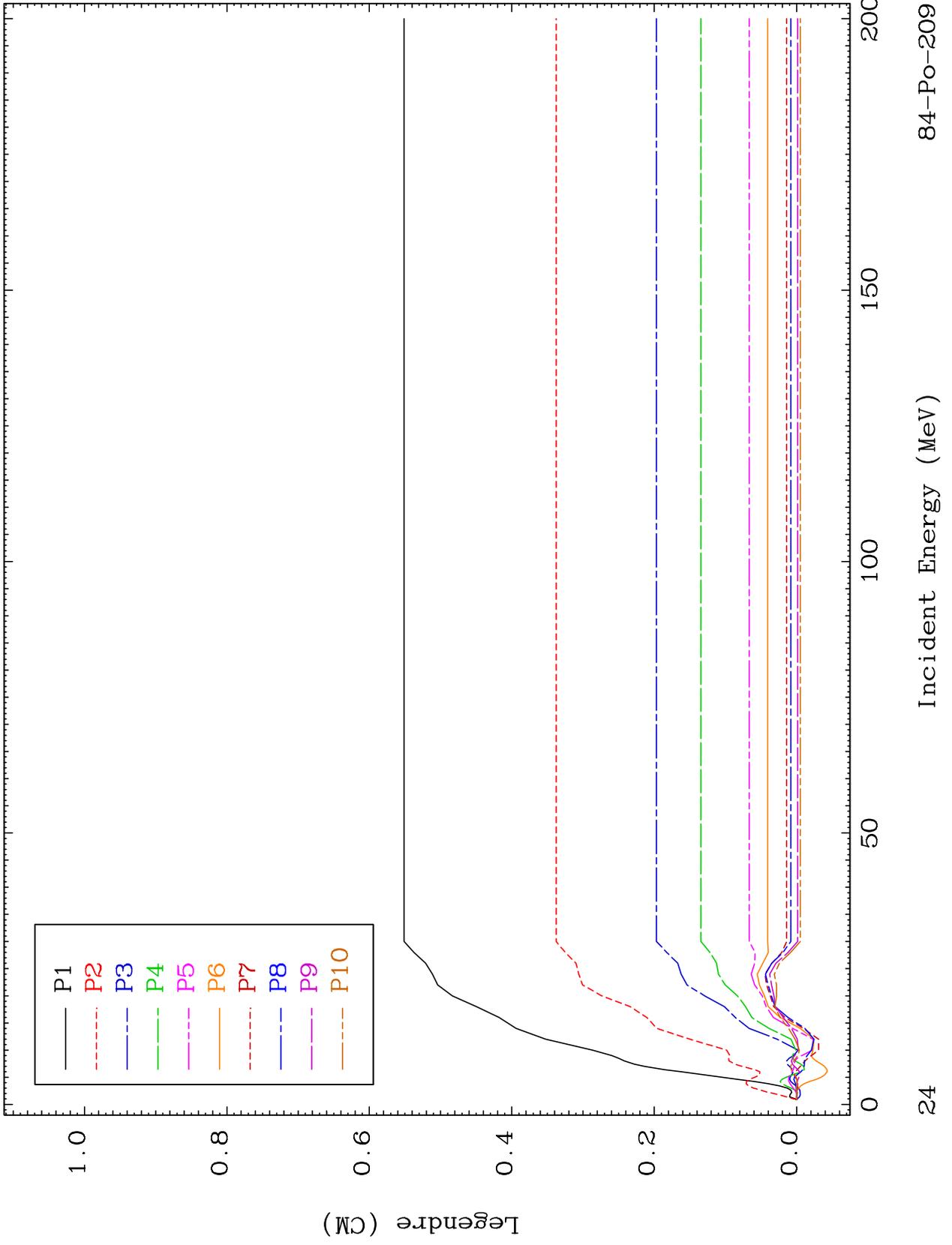
84-Po-209



MAT 8434

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

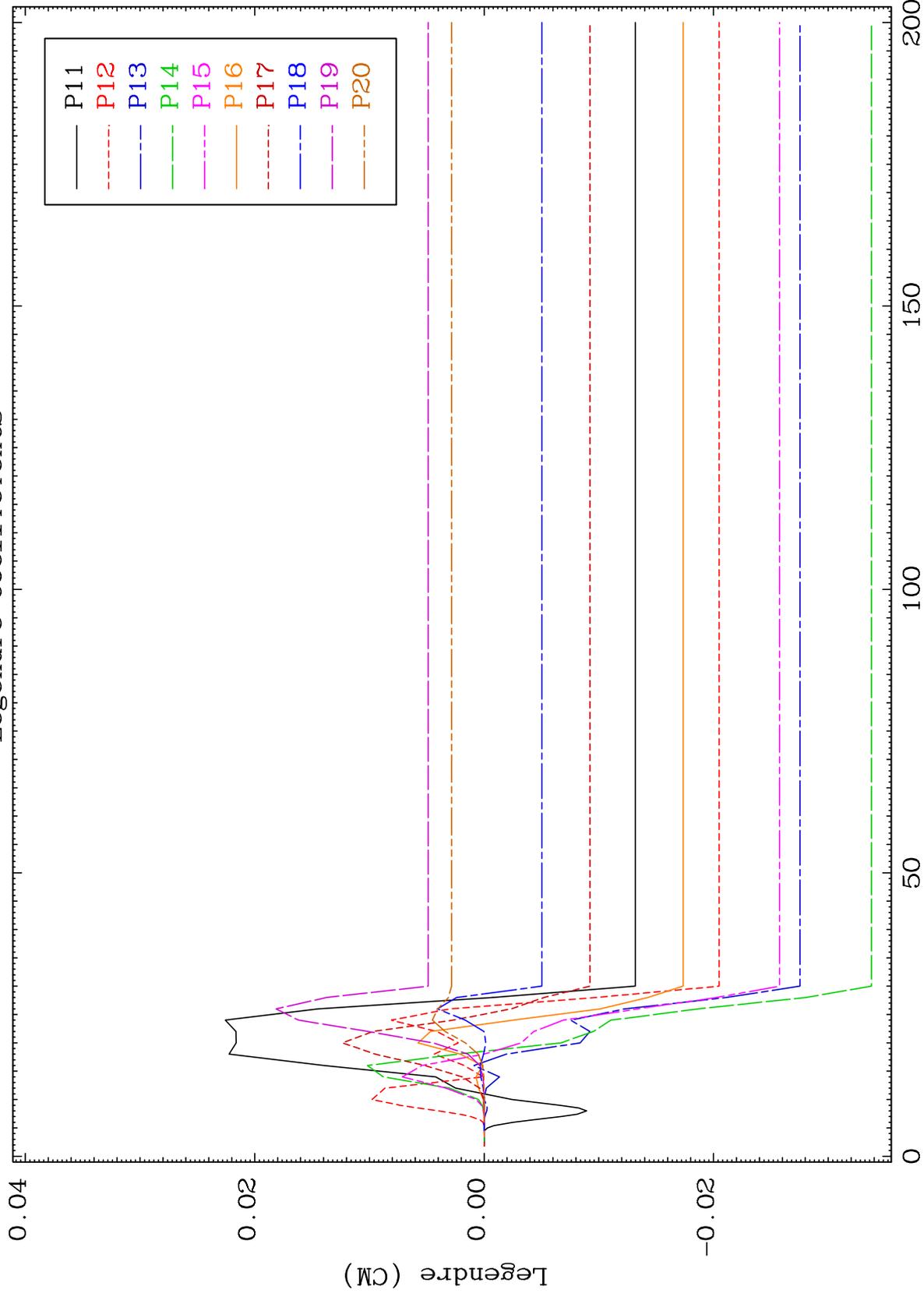
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MAT 8434

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

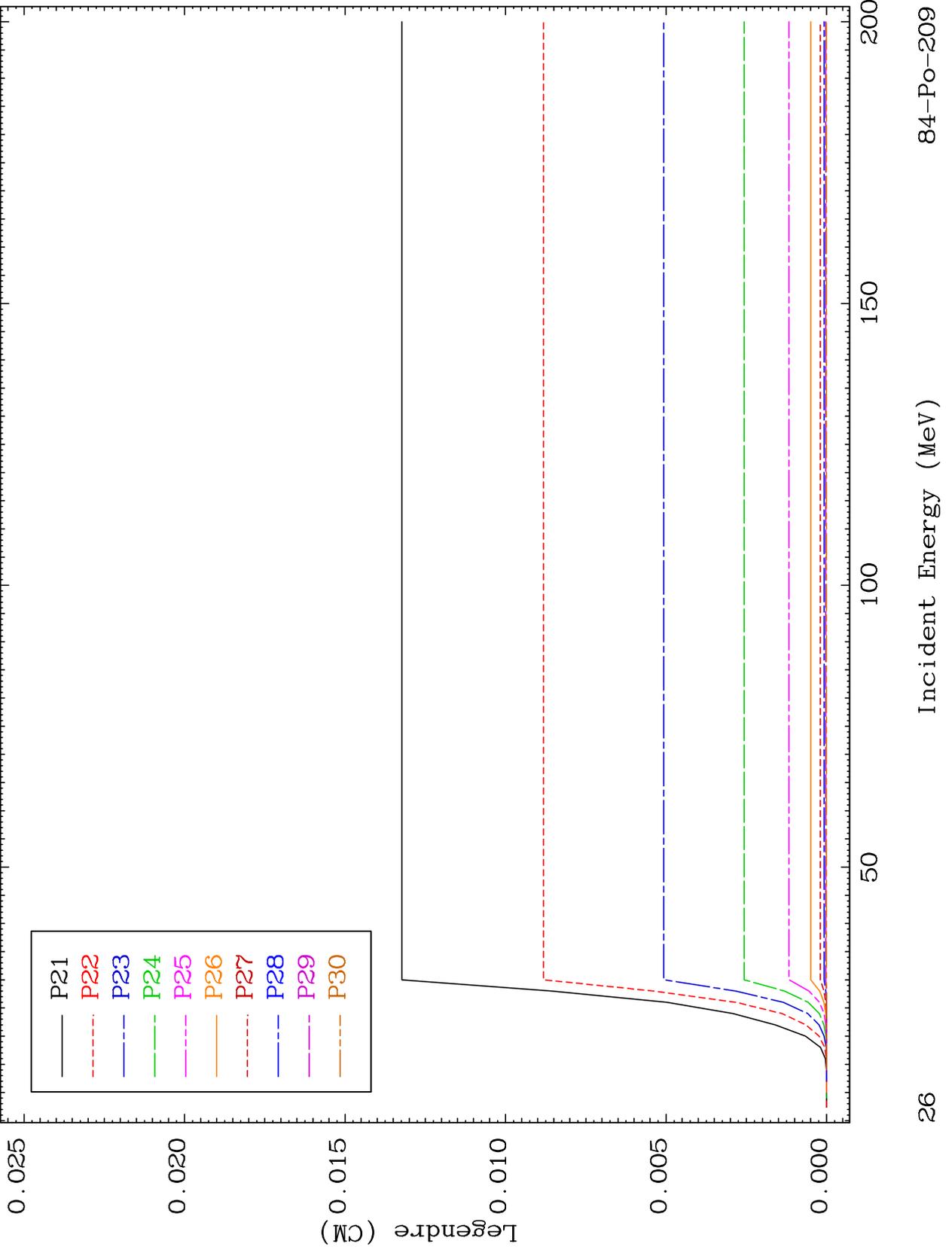
84-Po-209



84-Po-209

Incident Energy (MeV)

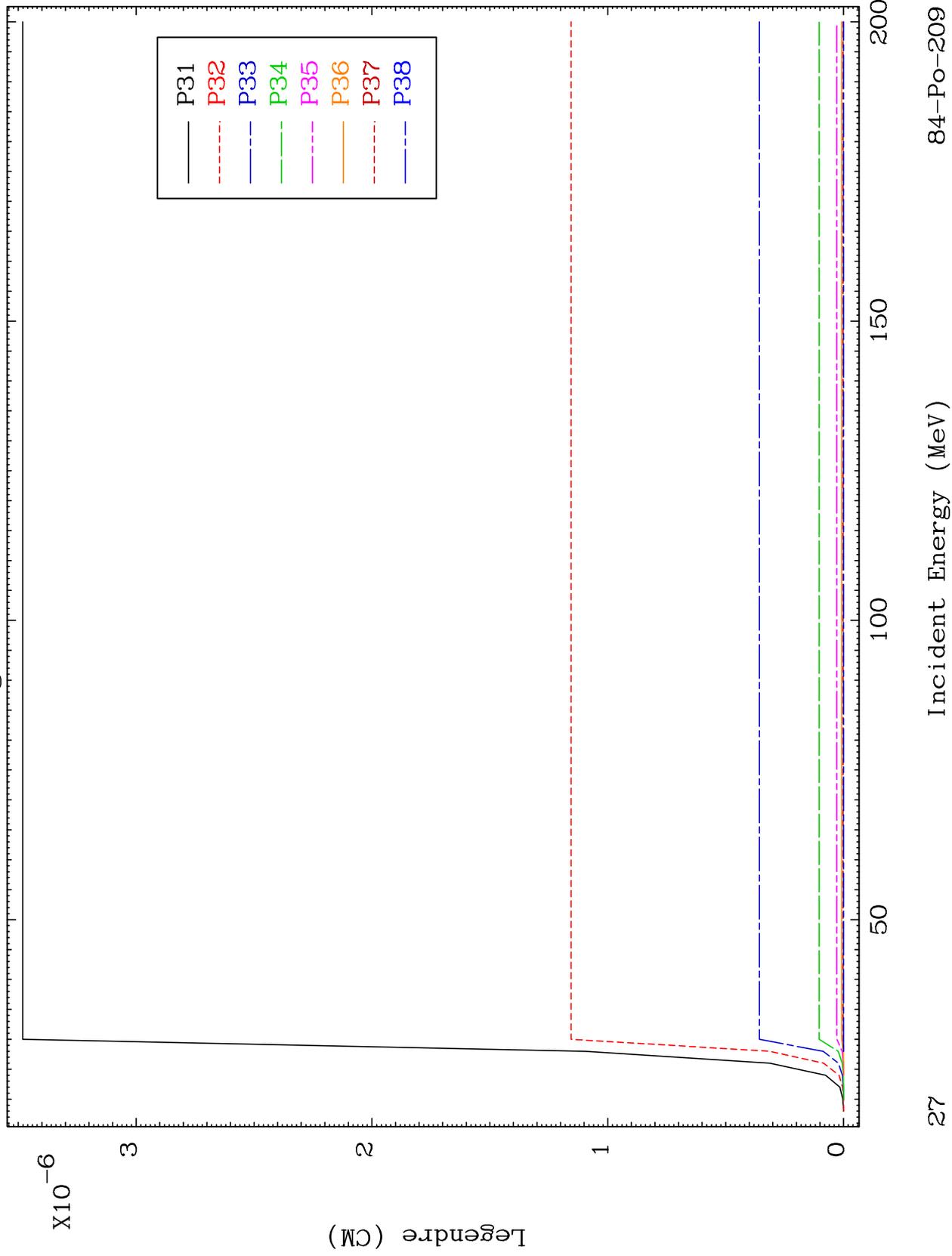
25



MAT 8434

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

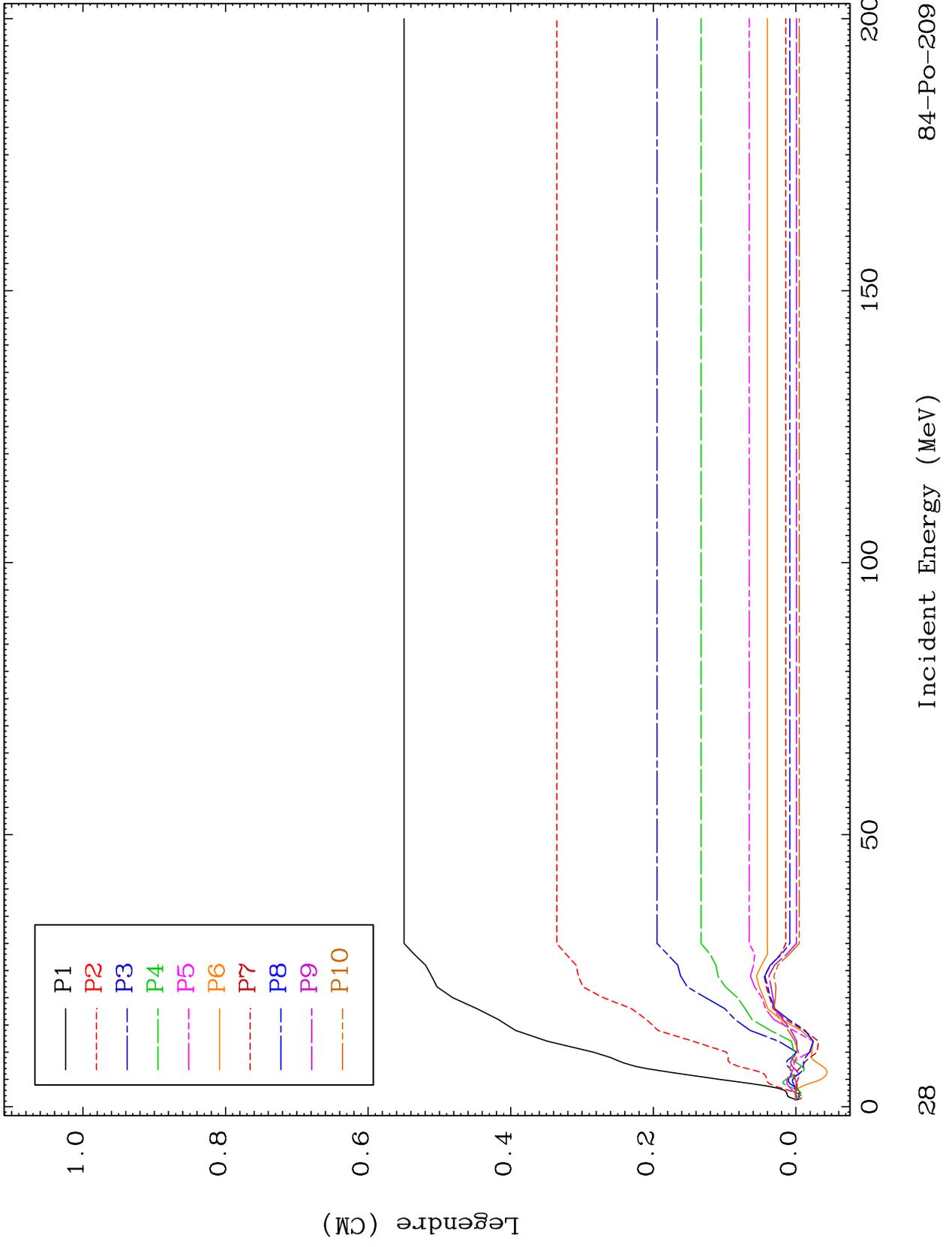
84-Po-209



MAT 8434

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

84-Po-209

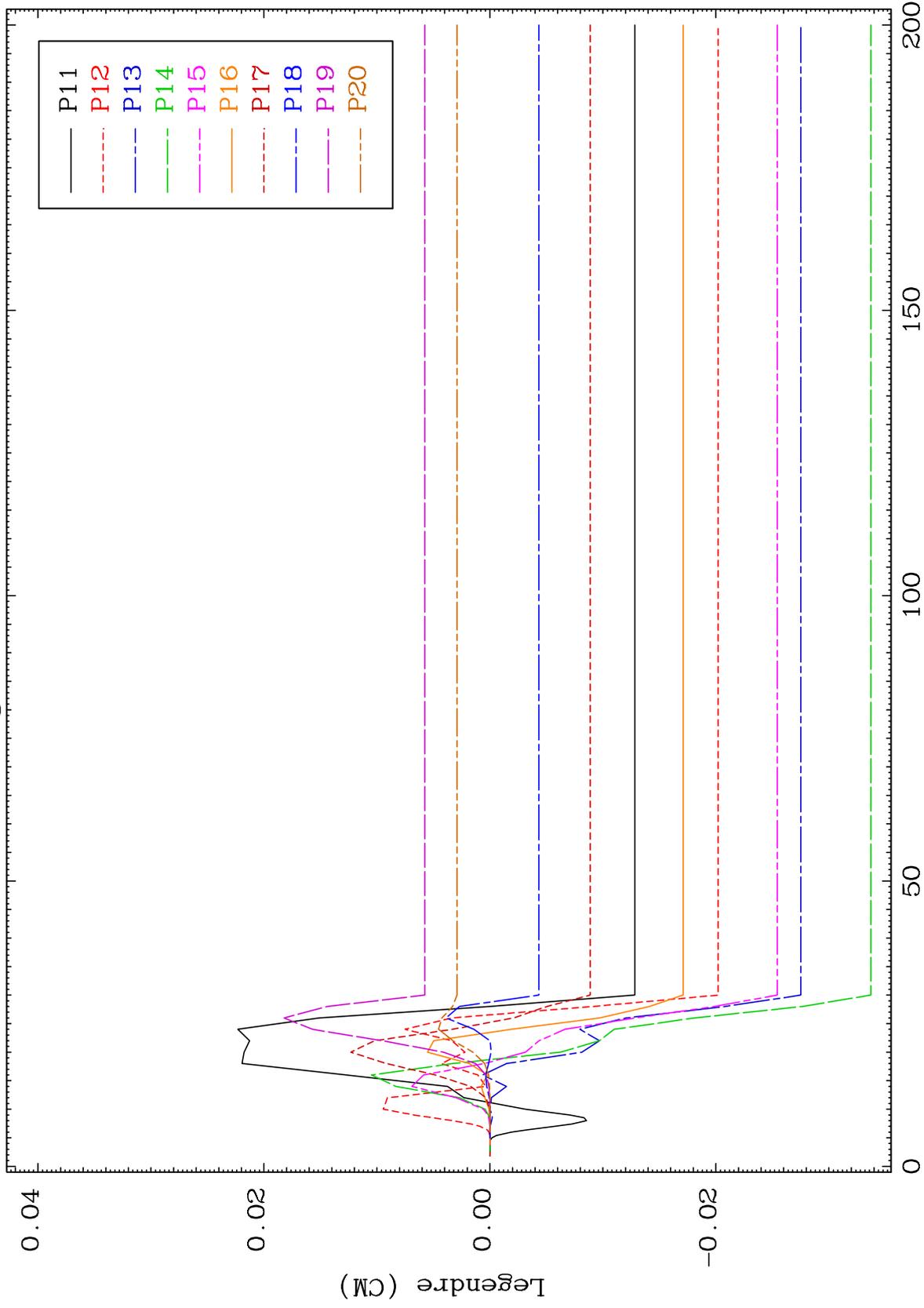


28

MAT 8434

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

84-Po-209



29

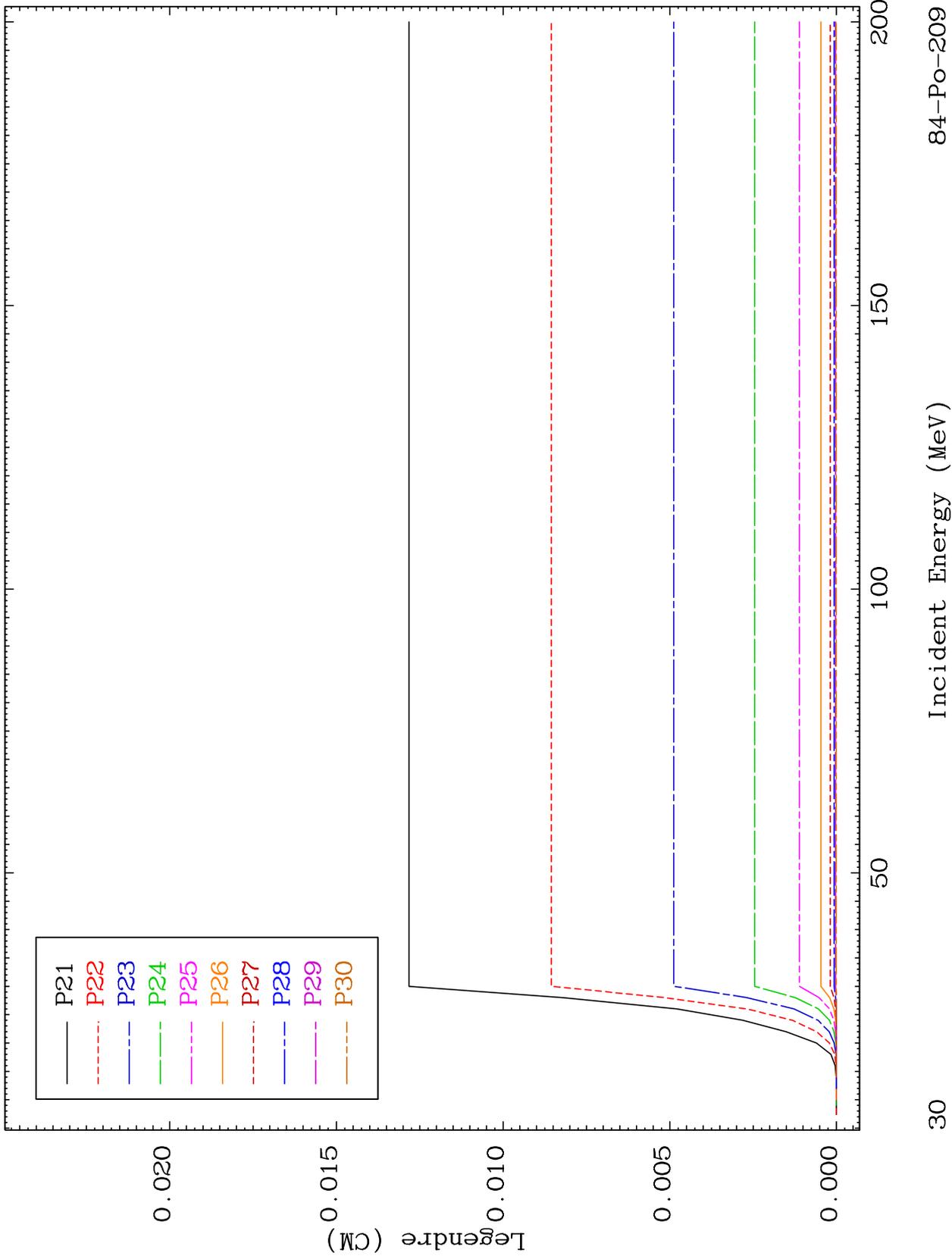
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



30

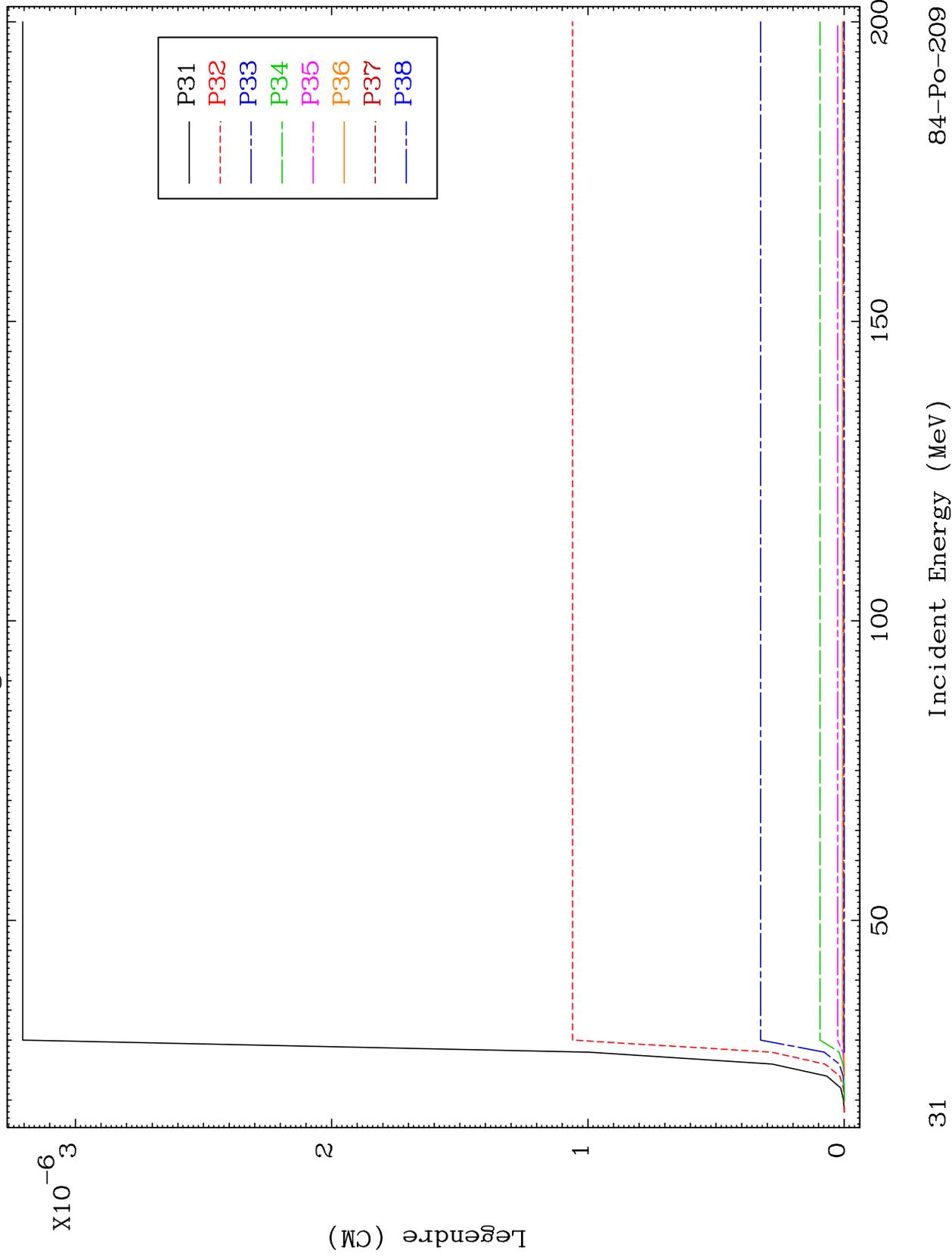
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



31

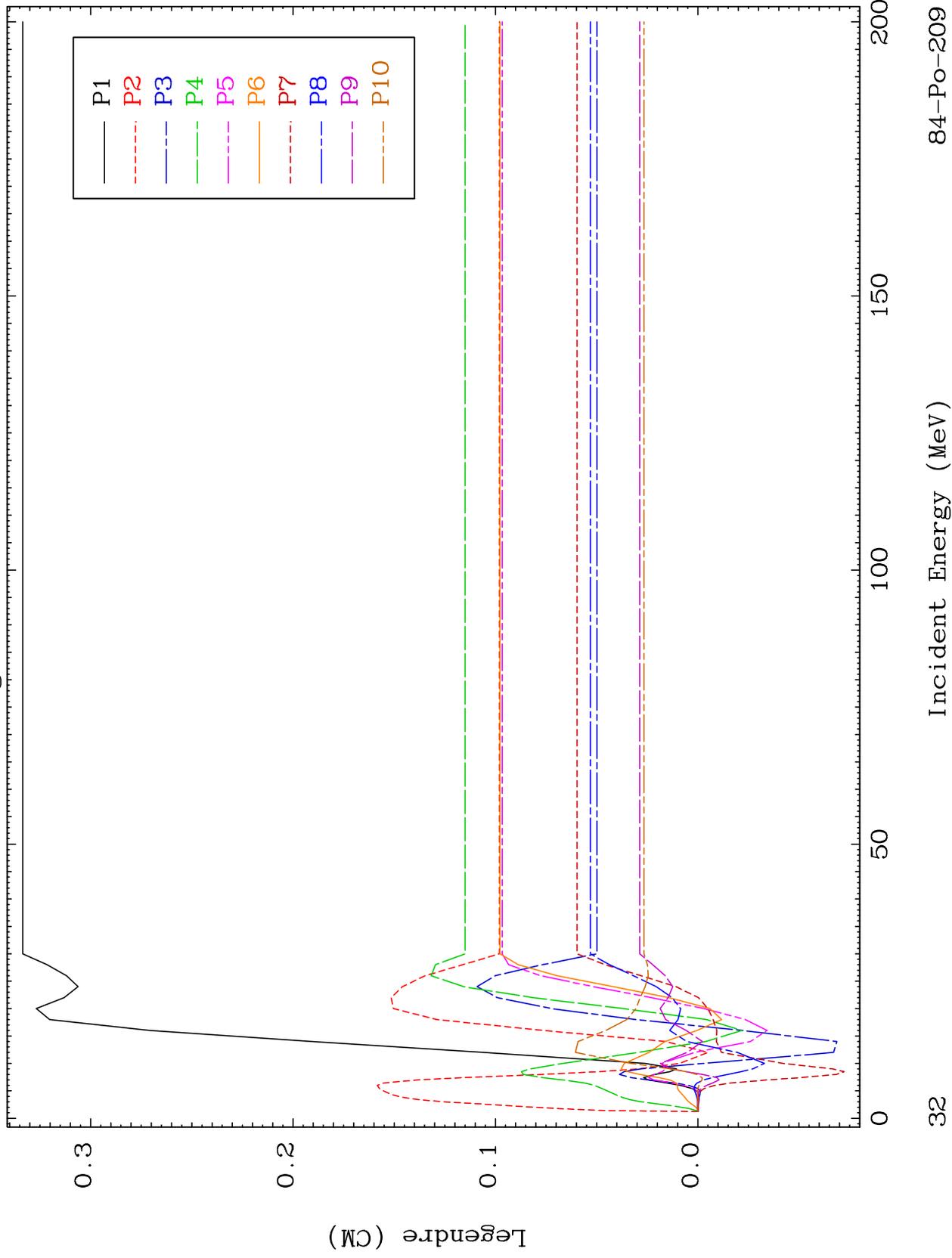
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



84-Po-209

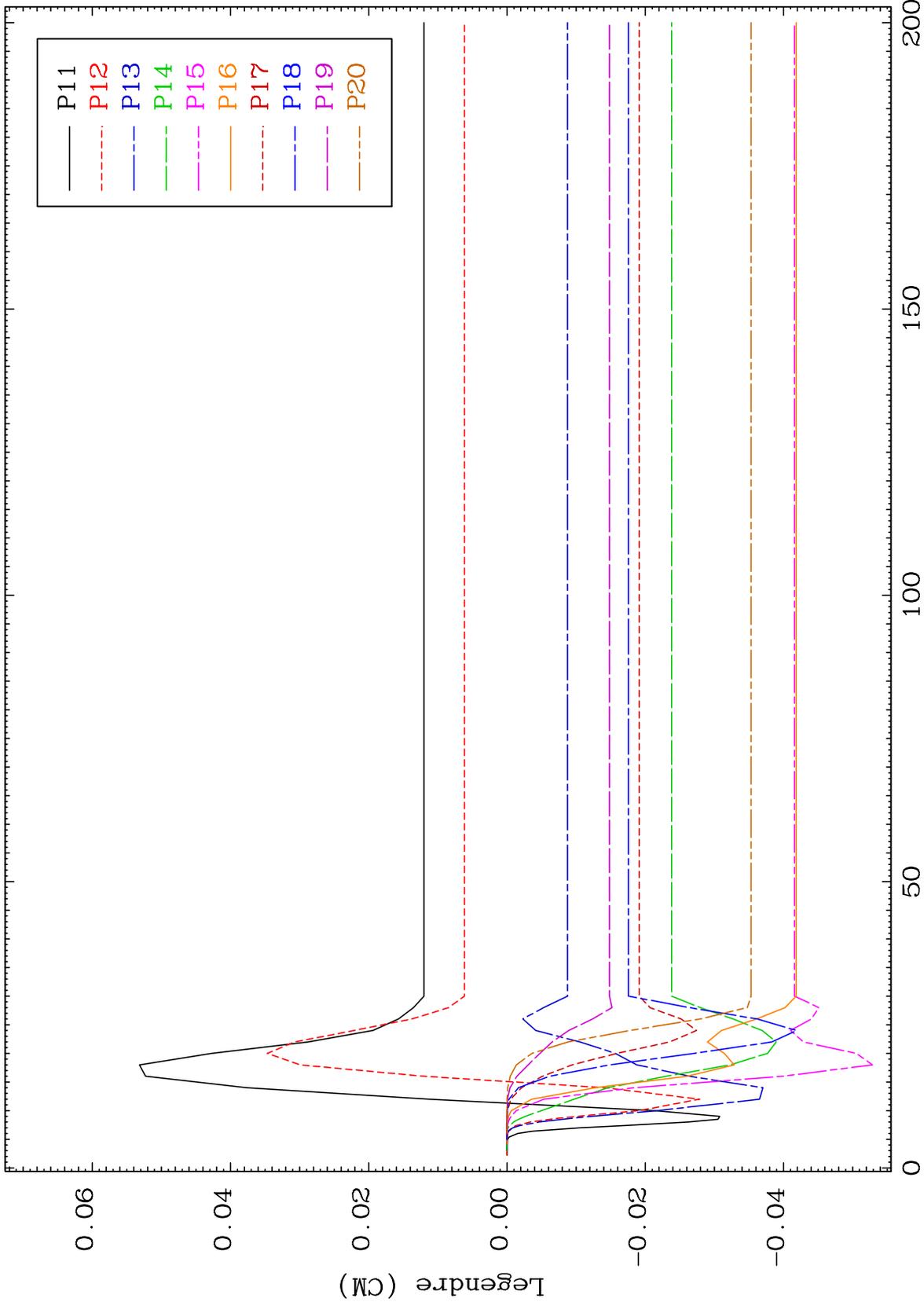
Incident Energy (MeV)

32

MAT 8434

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

84-Po-209



33

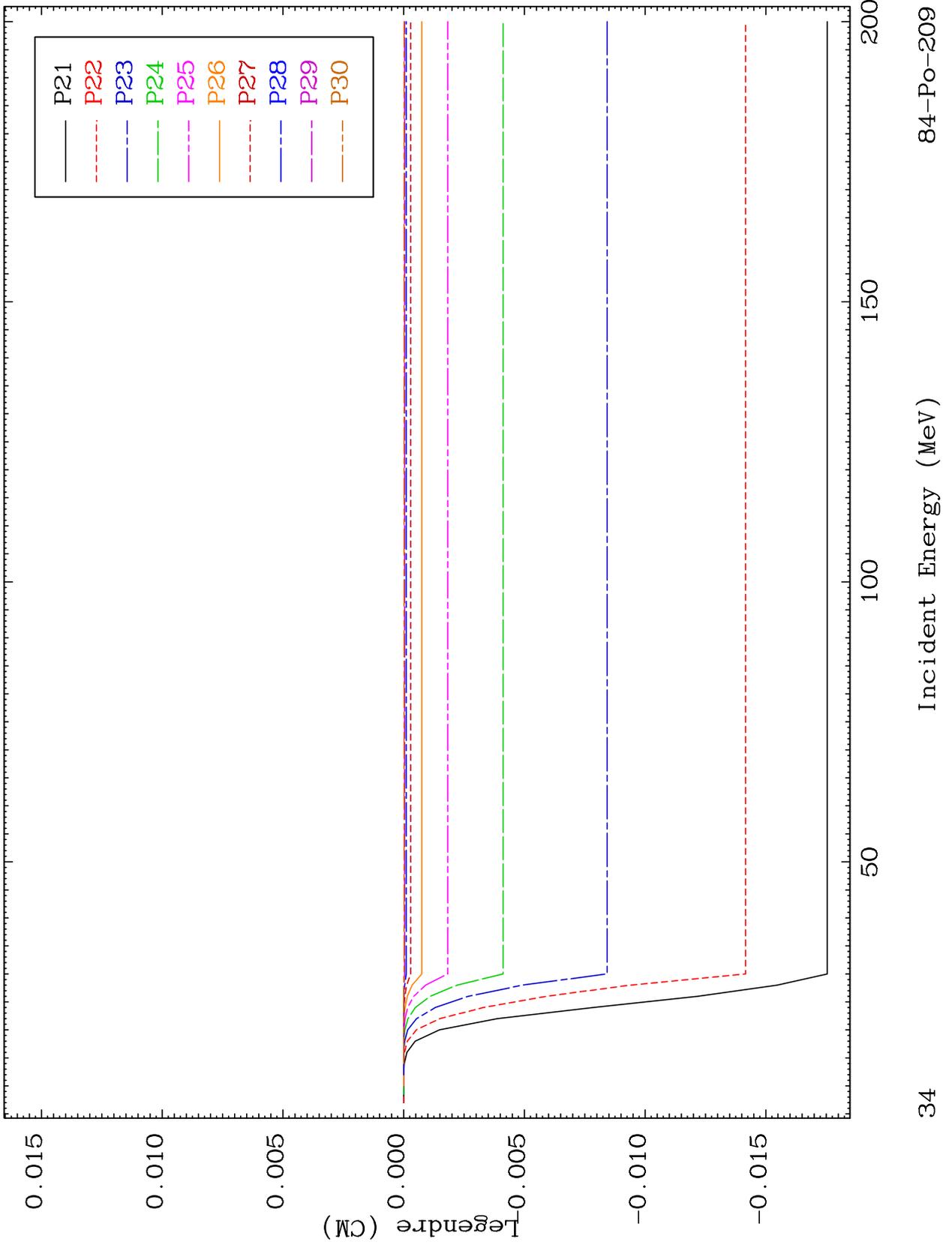
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



34

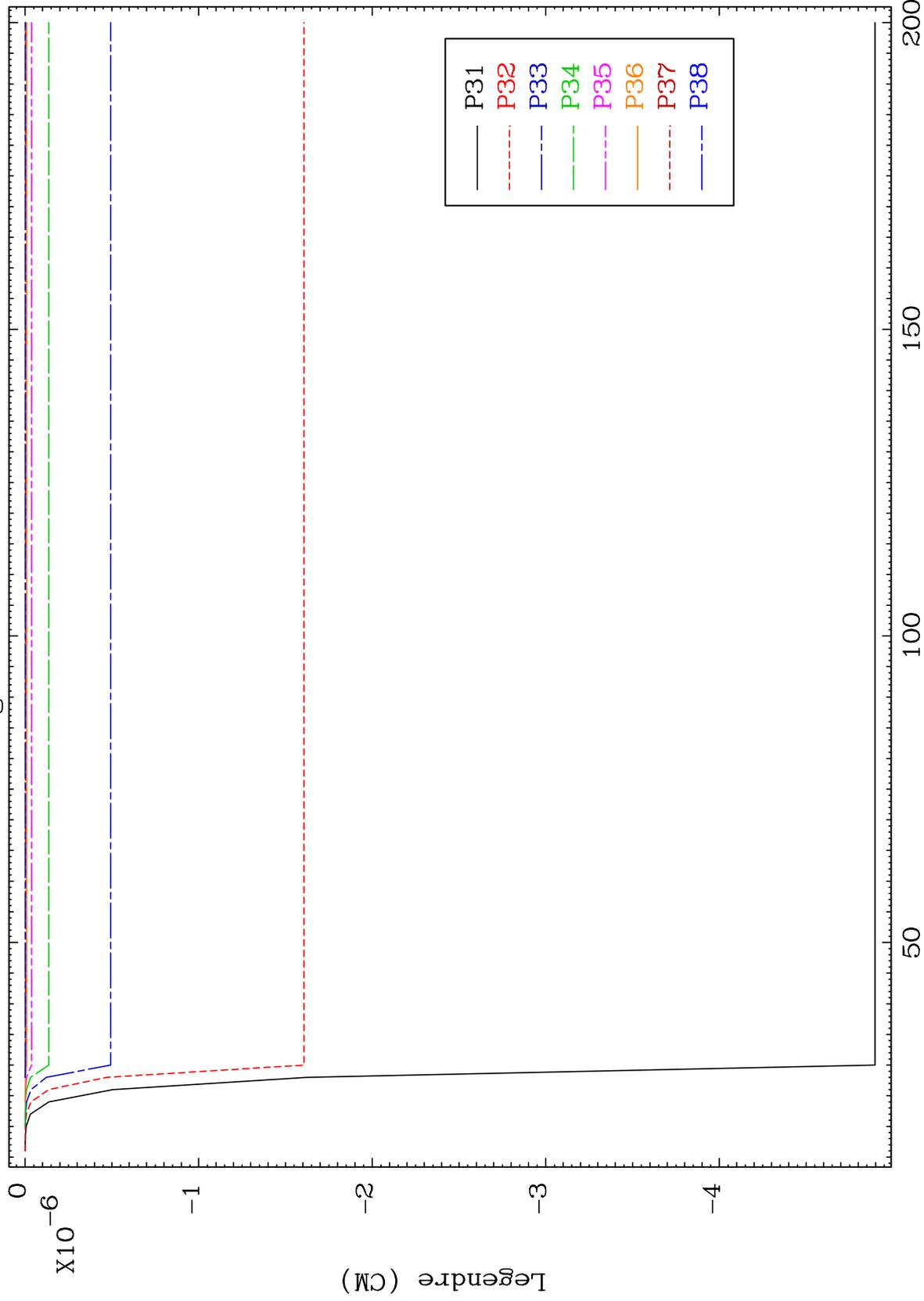
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



35

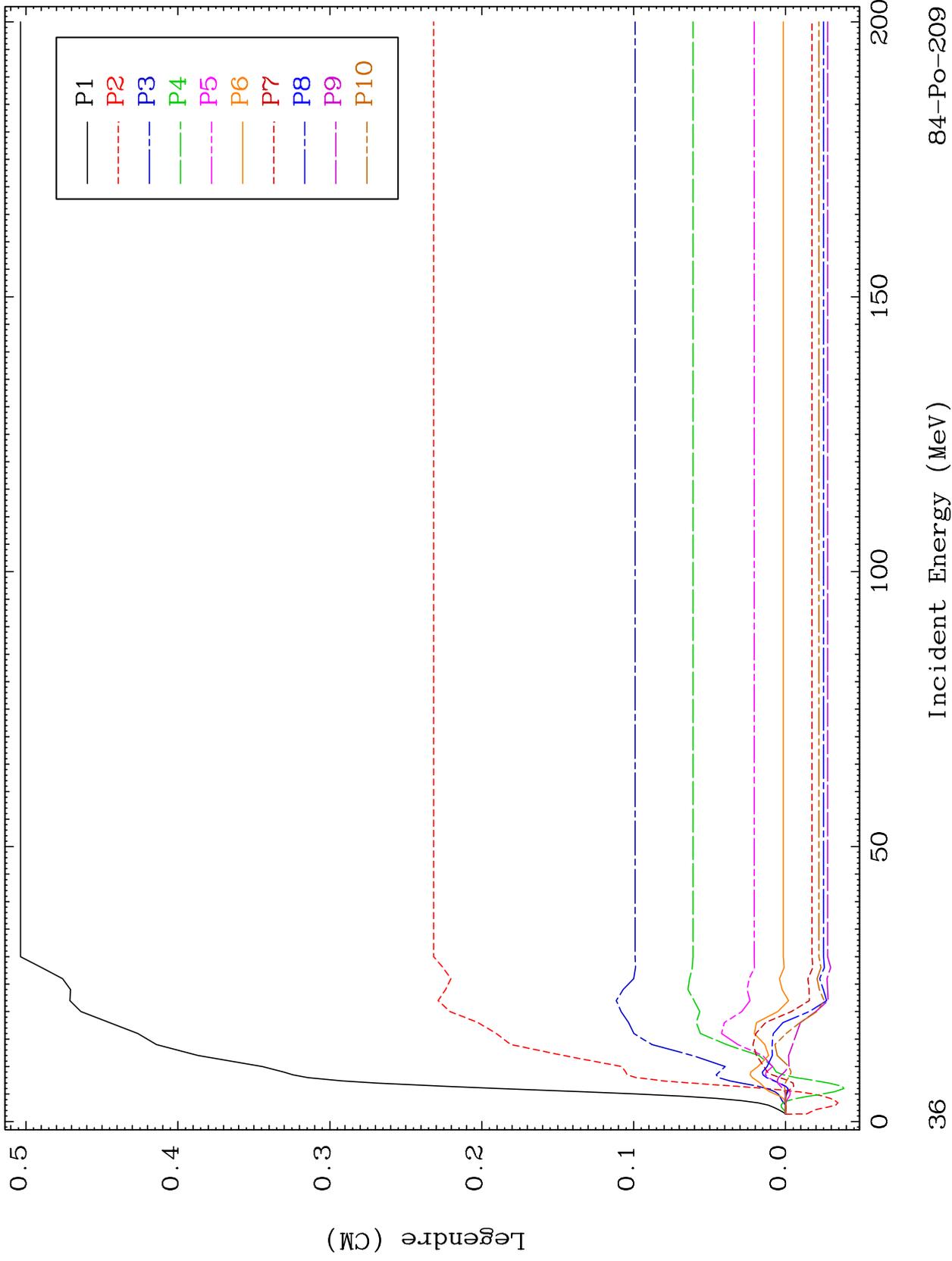
Incident Energy (MeV)

84-Po-209

MAT 8434

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

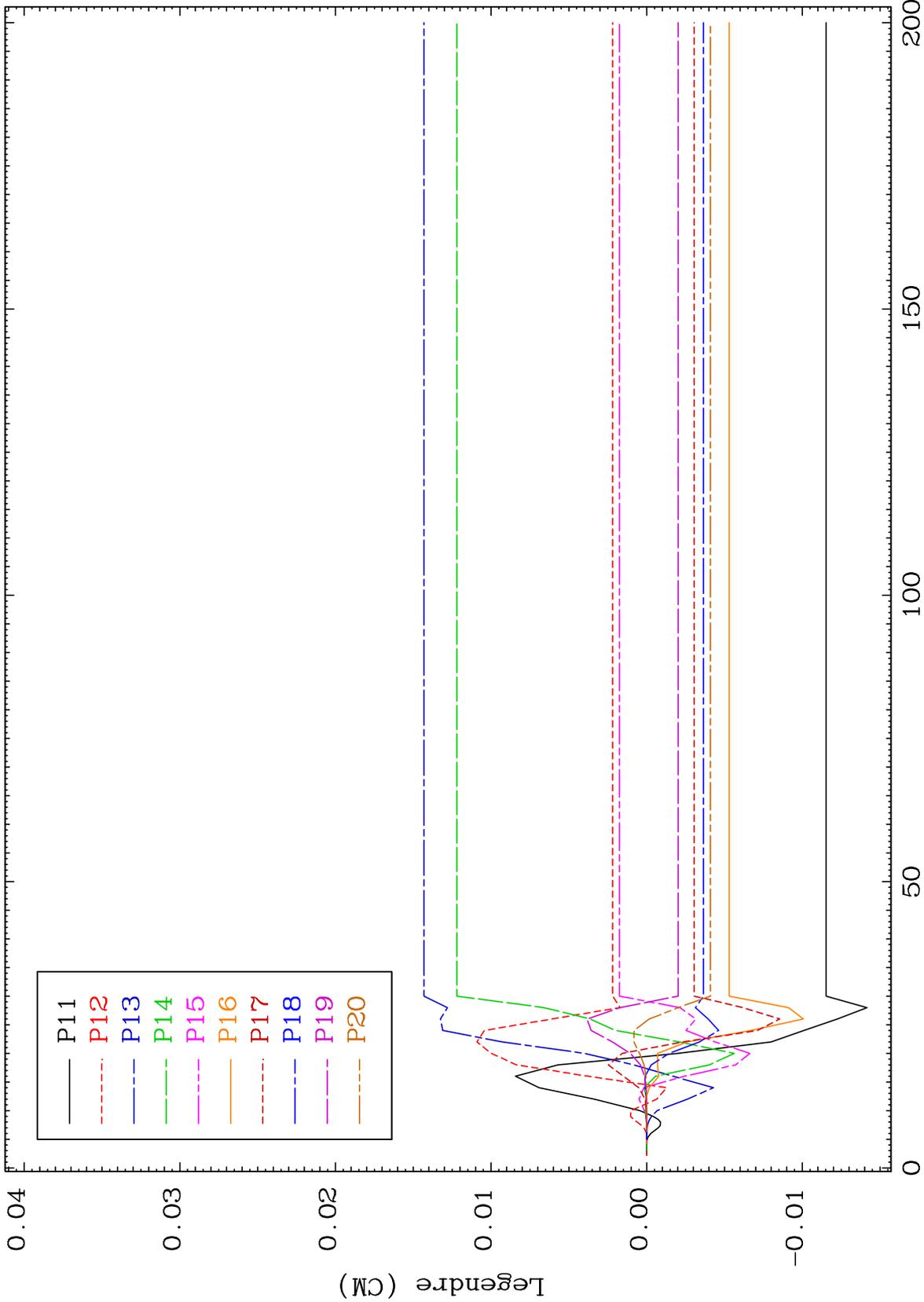
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MAT 8434

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

84-Po-209



37

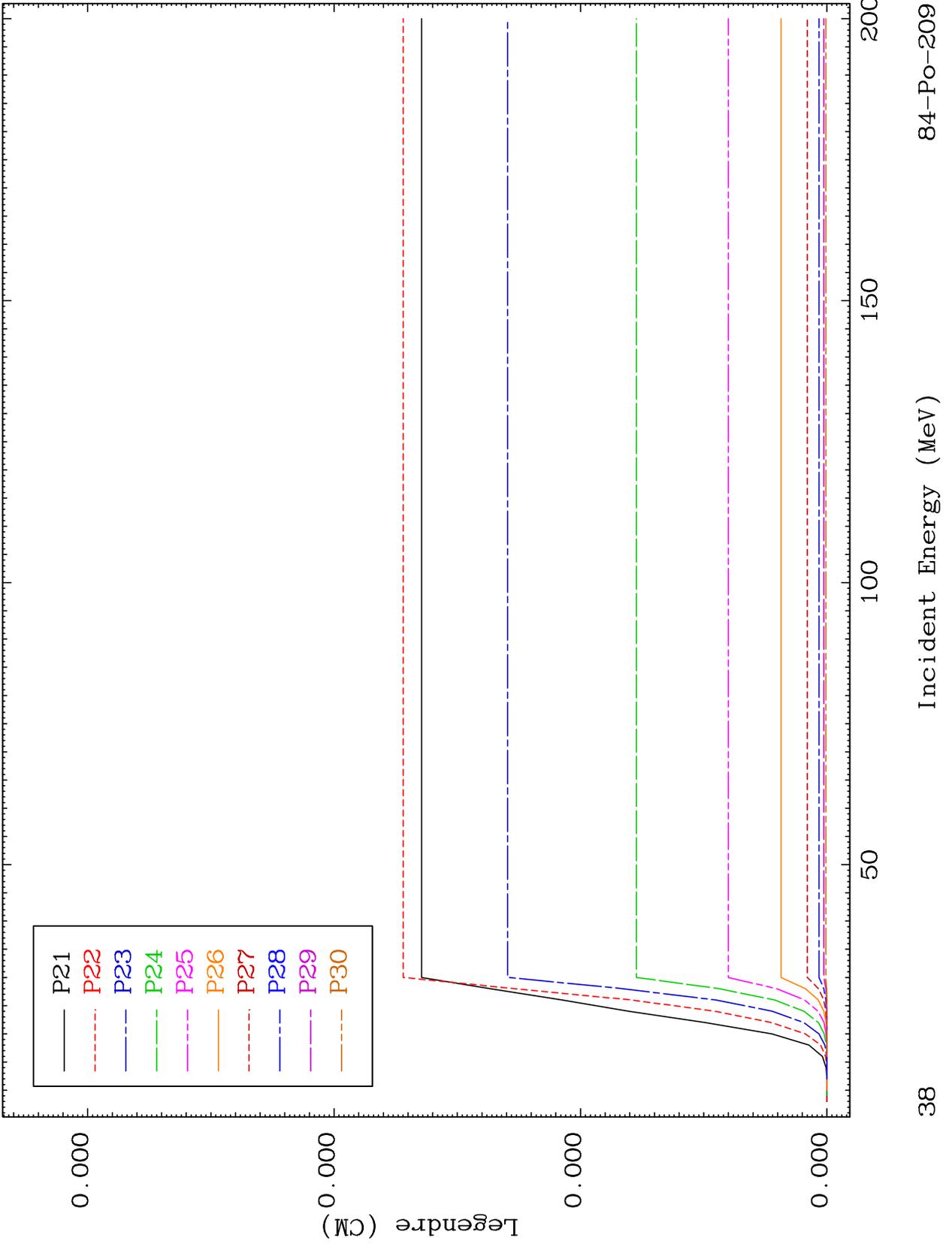
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



38

84-Po-209

MAT 8434

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

84-Po-209

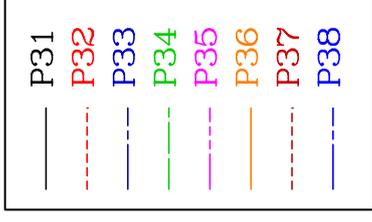
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Legendre (CM)

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0.5

0.0



200

150

100

50

39

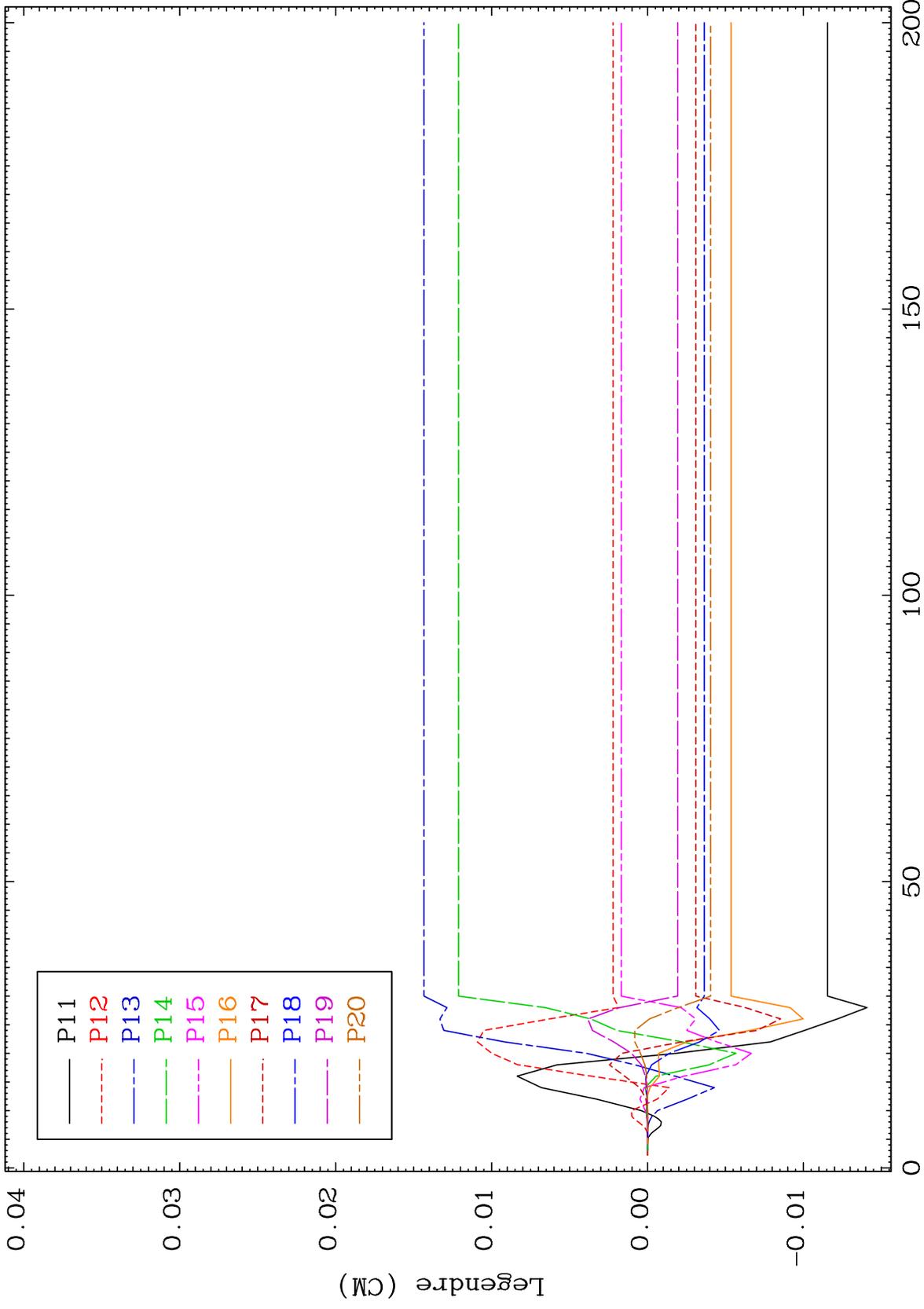
Incident Energy (MeV)

84-Po-209

MAT 8434

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

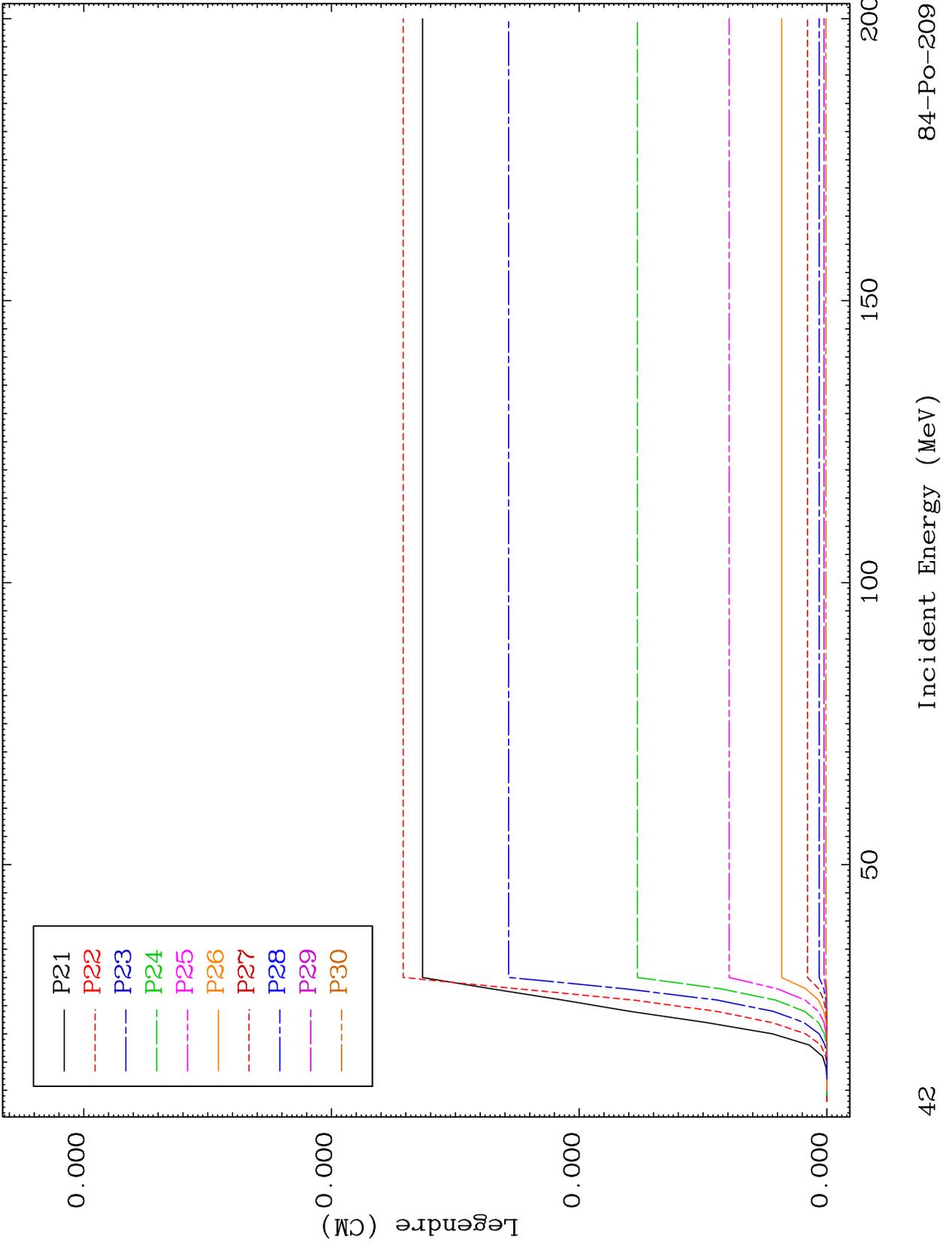
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MAT 8434

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

84-Po-209



42

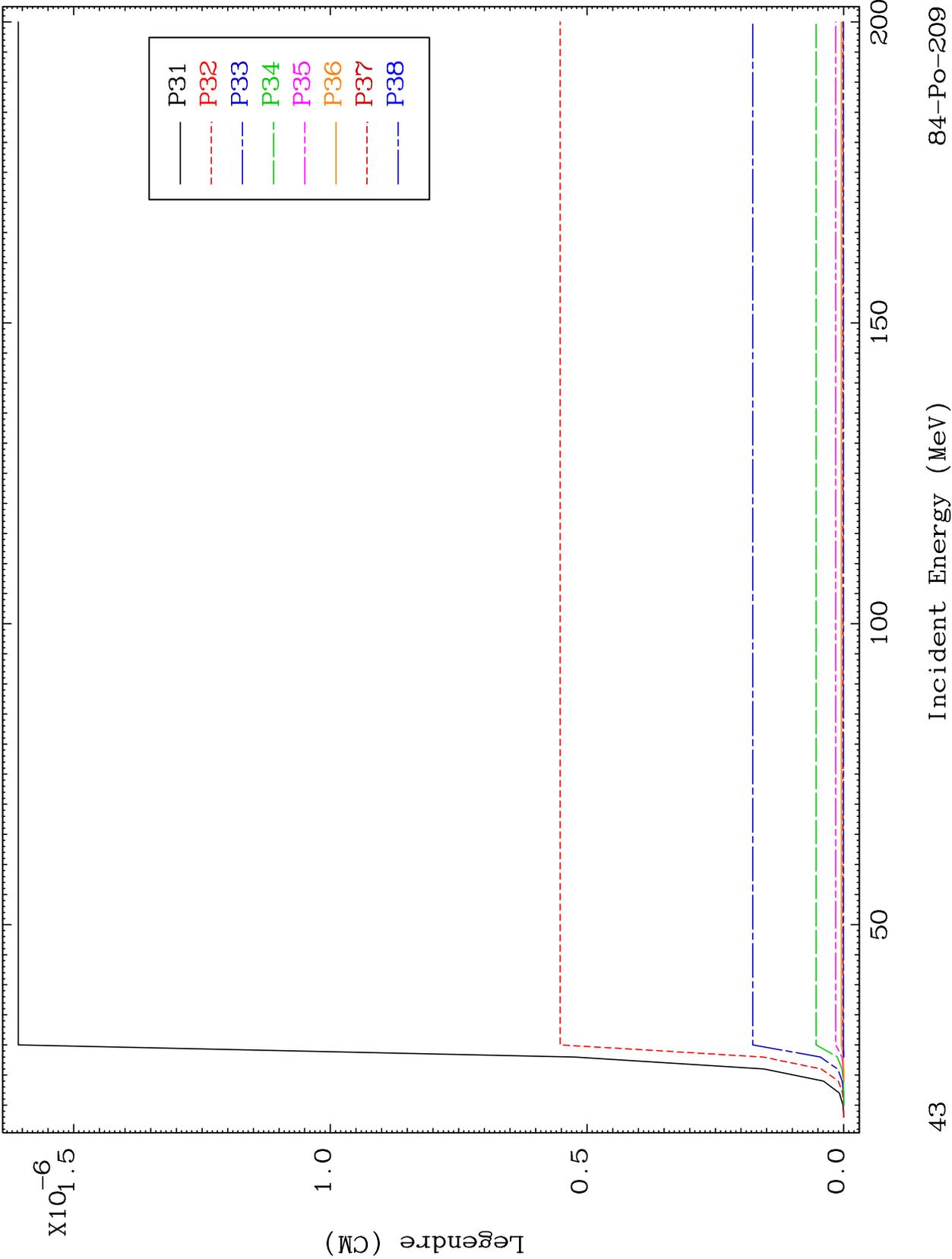
Incident Energy (MeV)

84-Po-209

MAT 8434

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

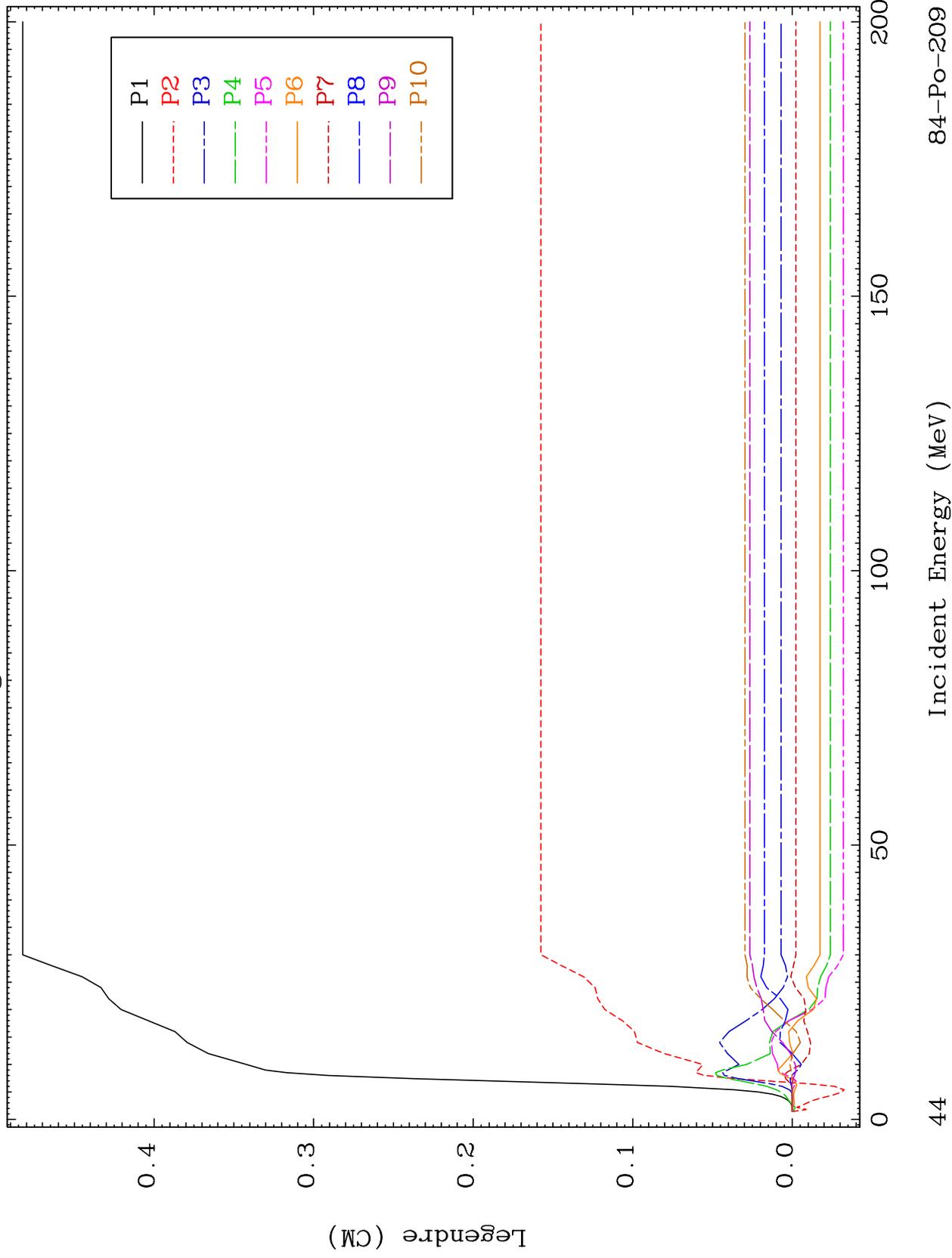
84-Po-209



MAT 8434

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

84-Po-209



44

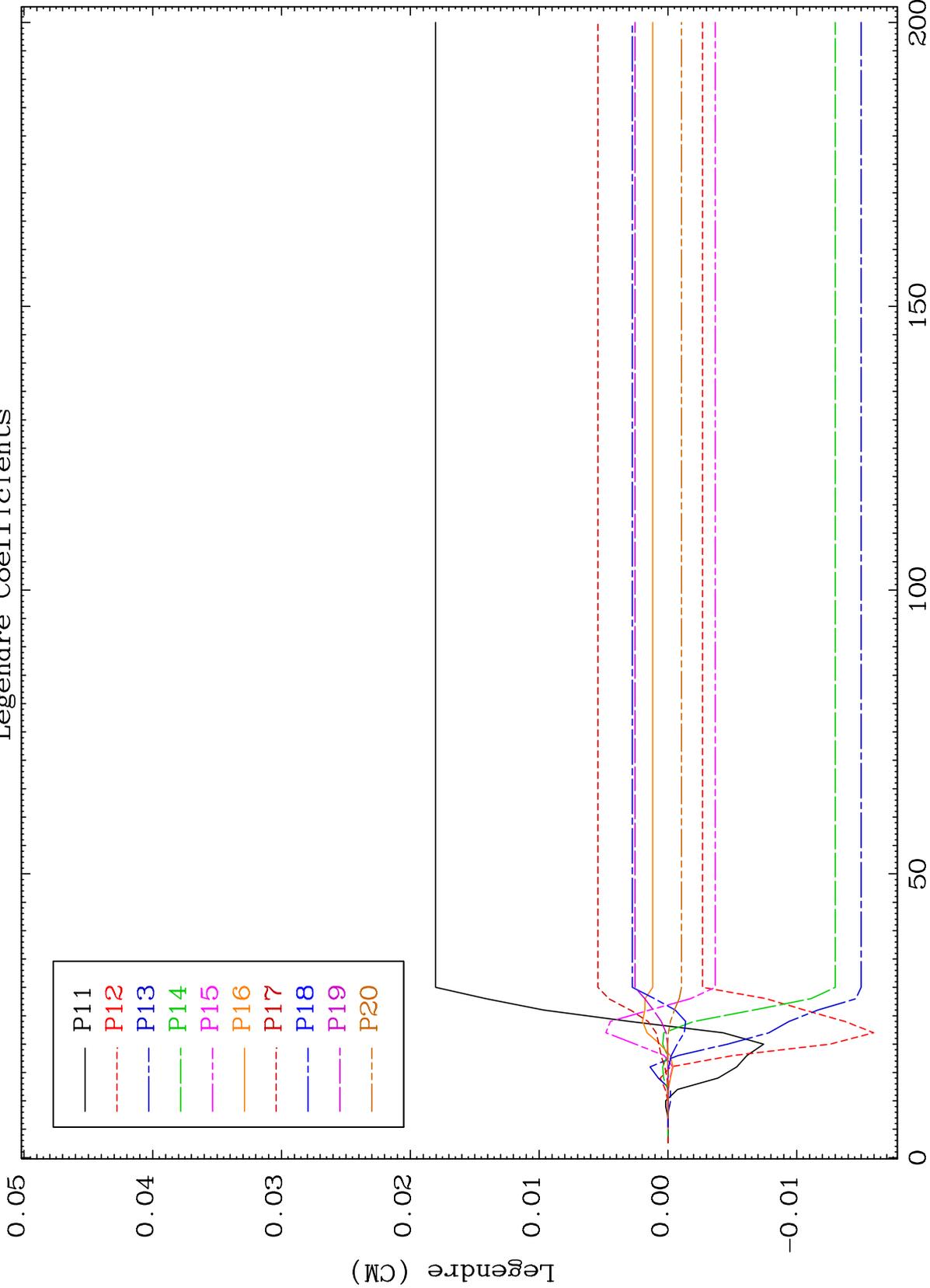
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



45

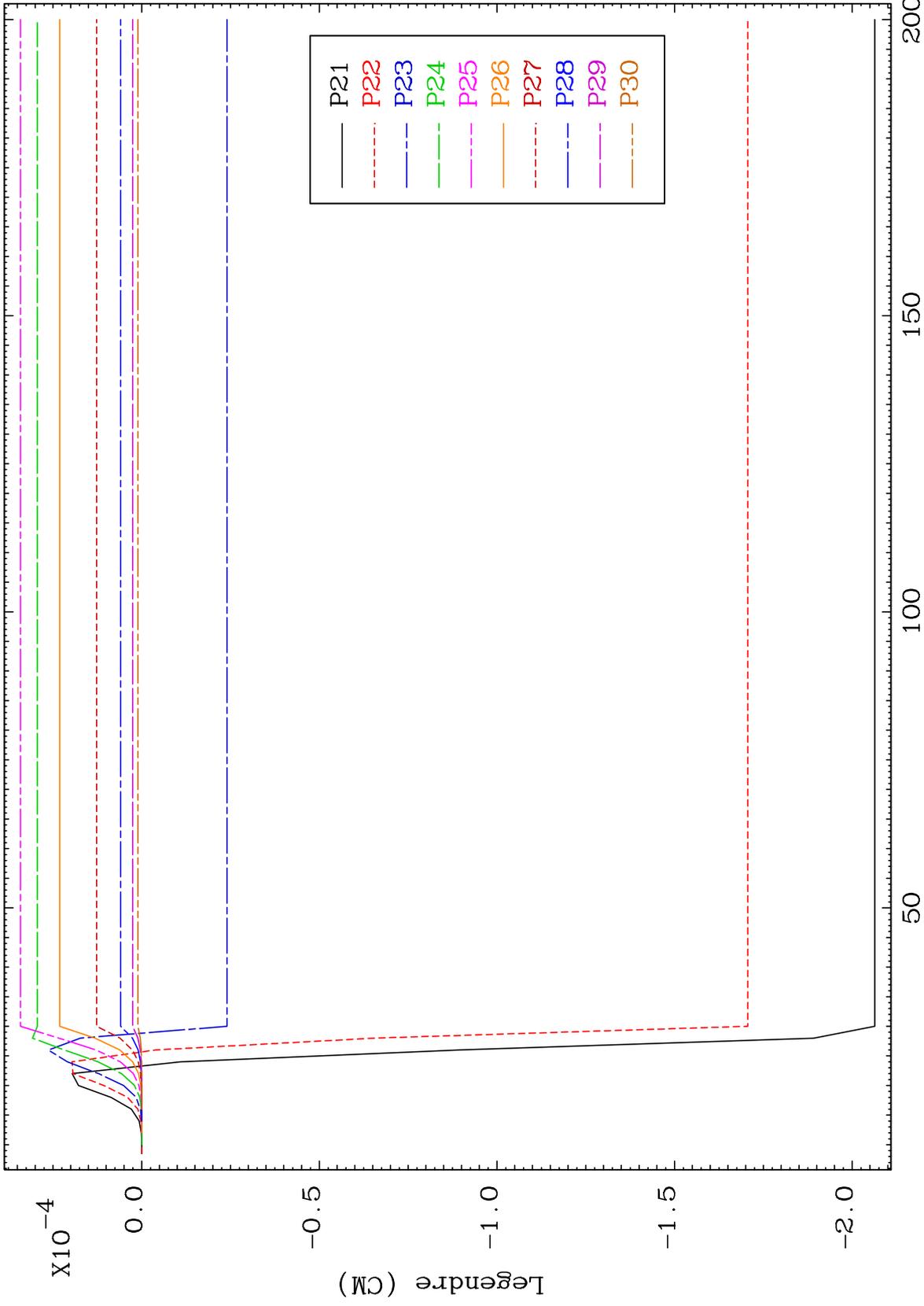
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



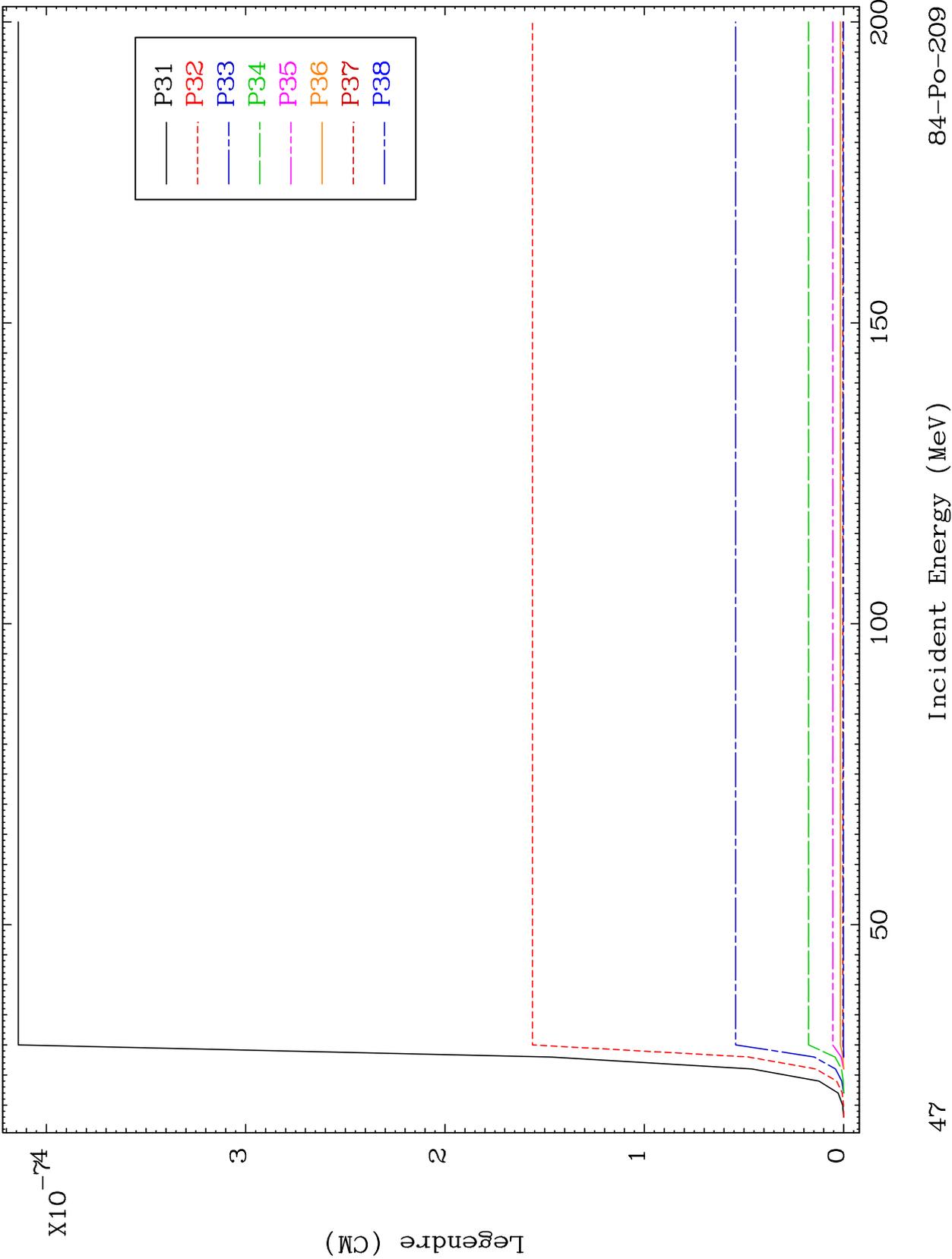
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84-Po-209

MAT 8434

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

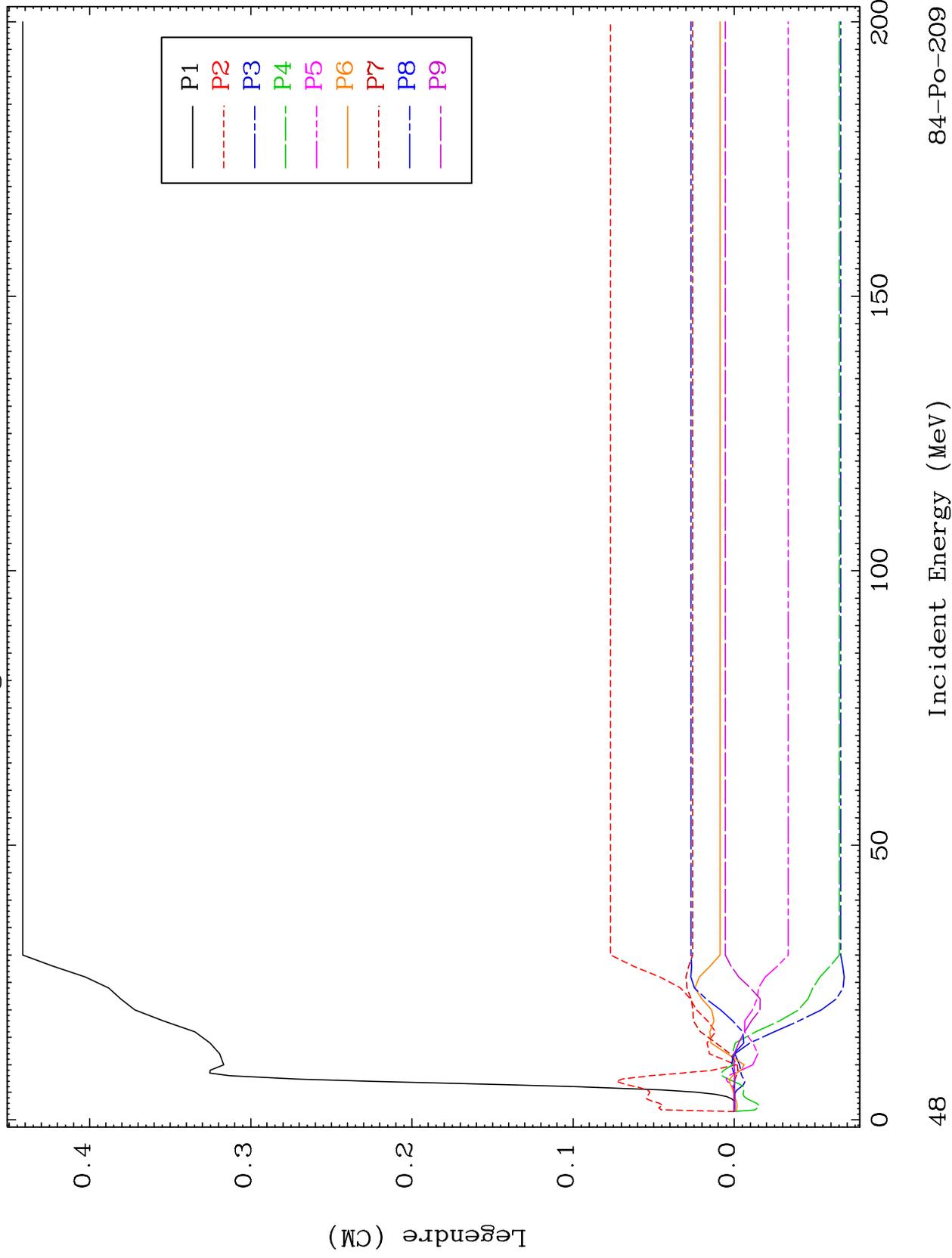
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

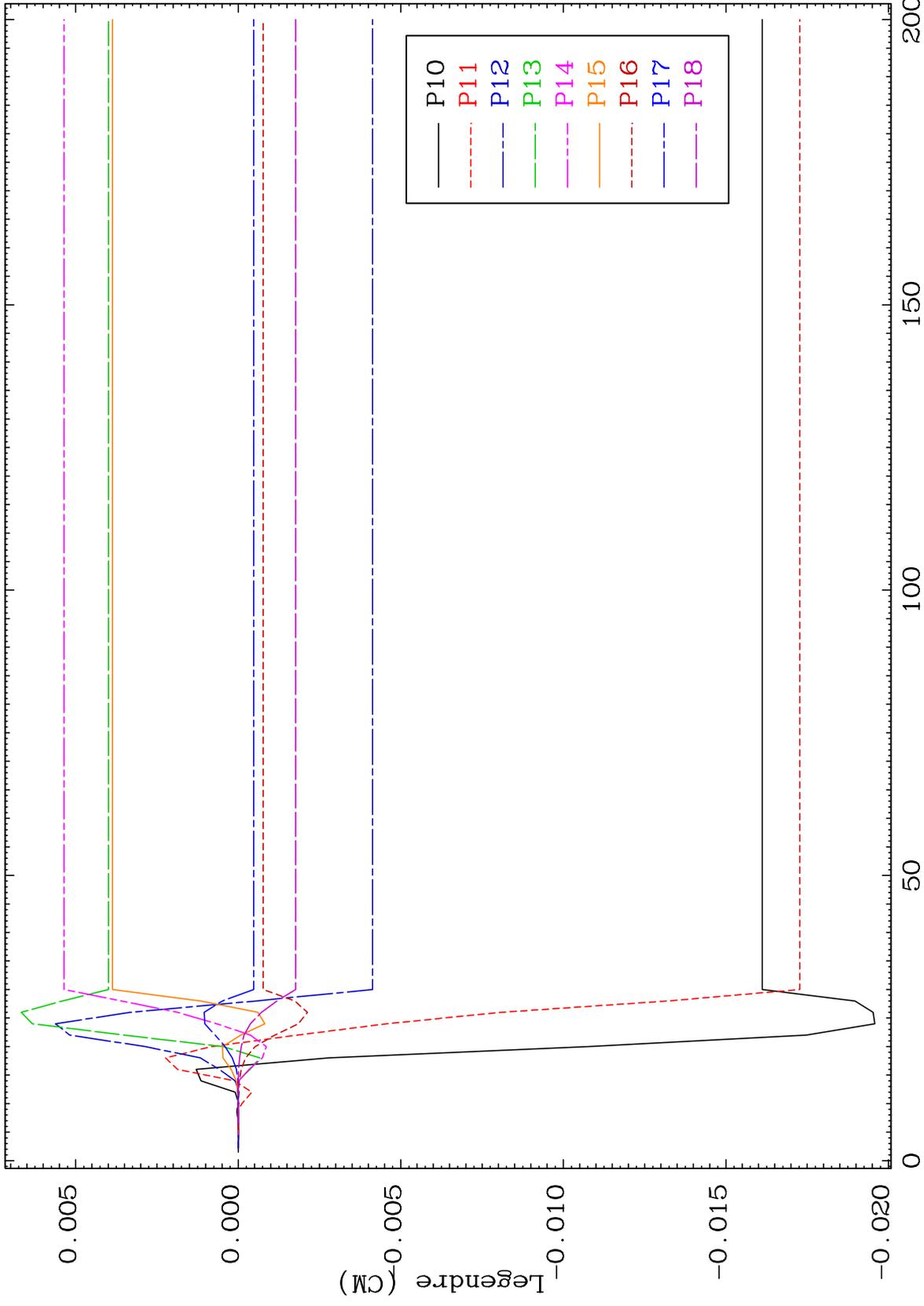
Incident Energy (MeV)

48

MAT 8434

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

84-Po-209



49

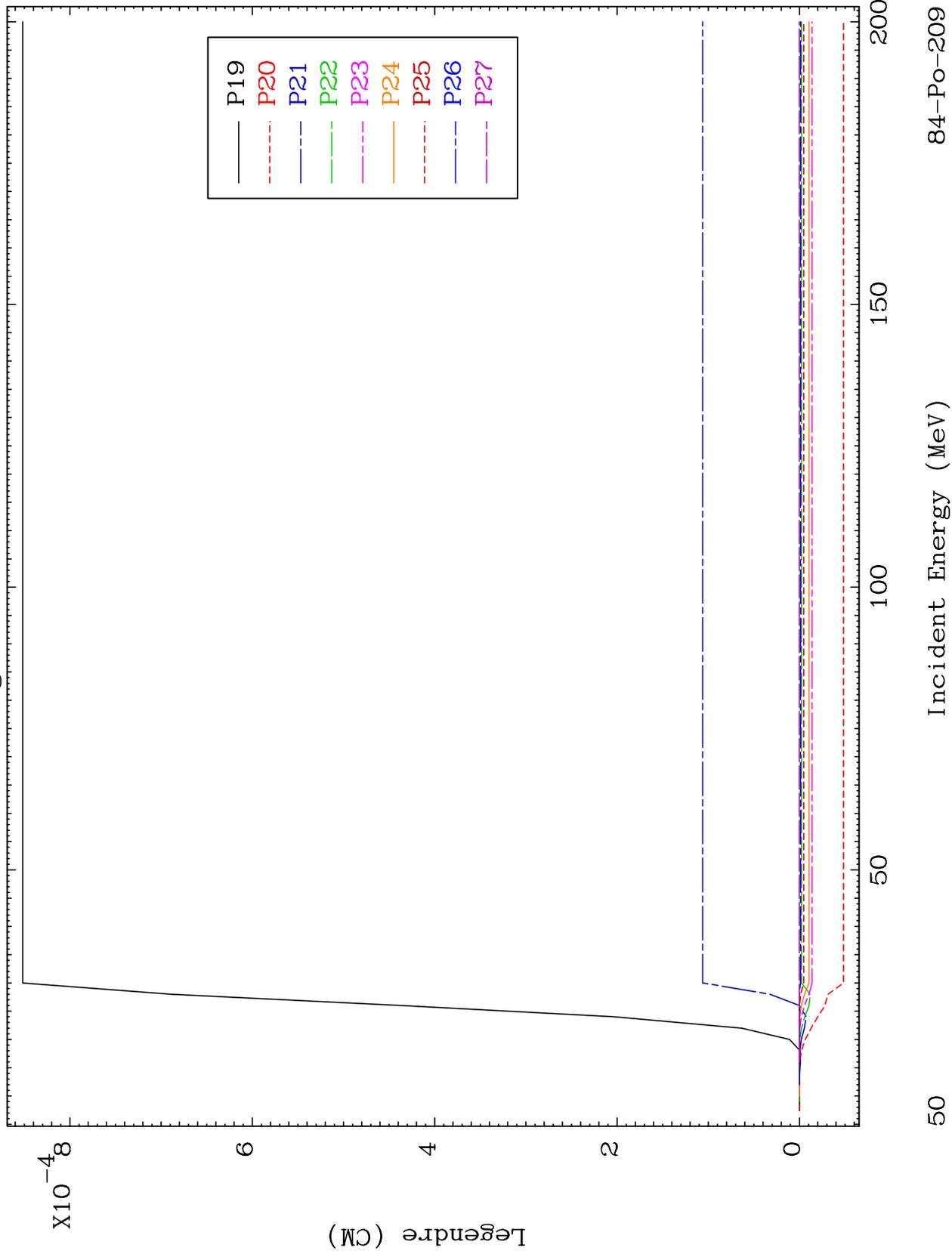
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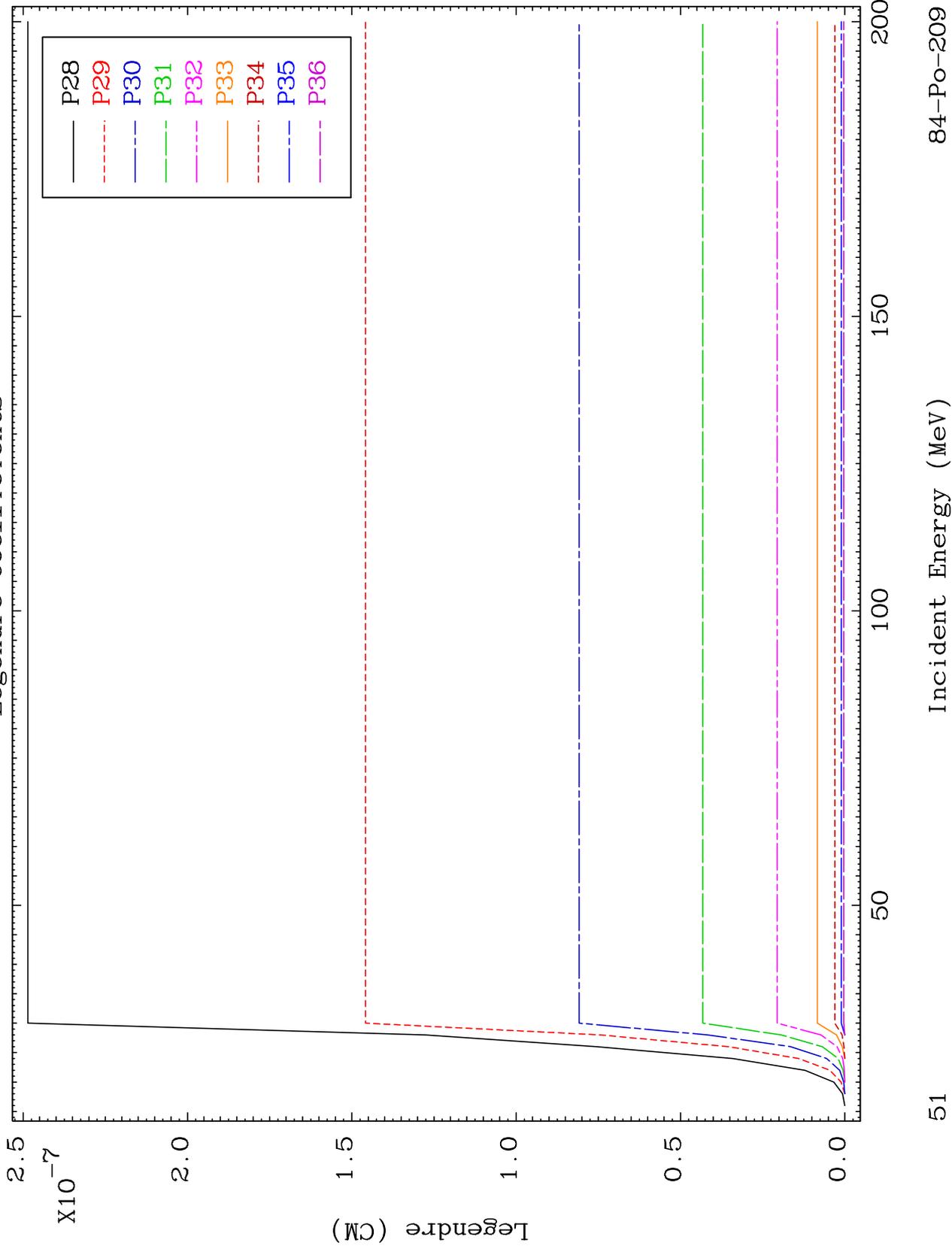
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MAT 8434

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

84-Po-209

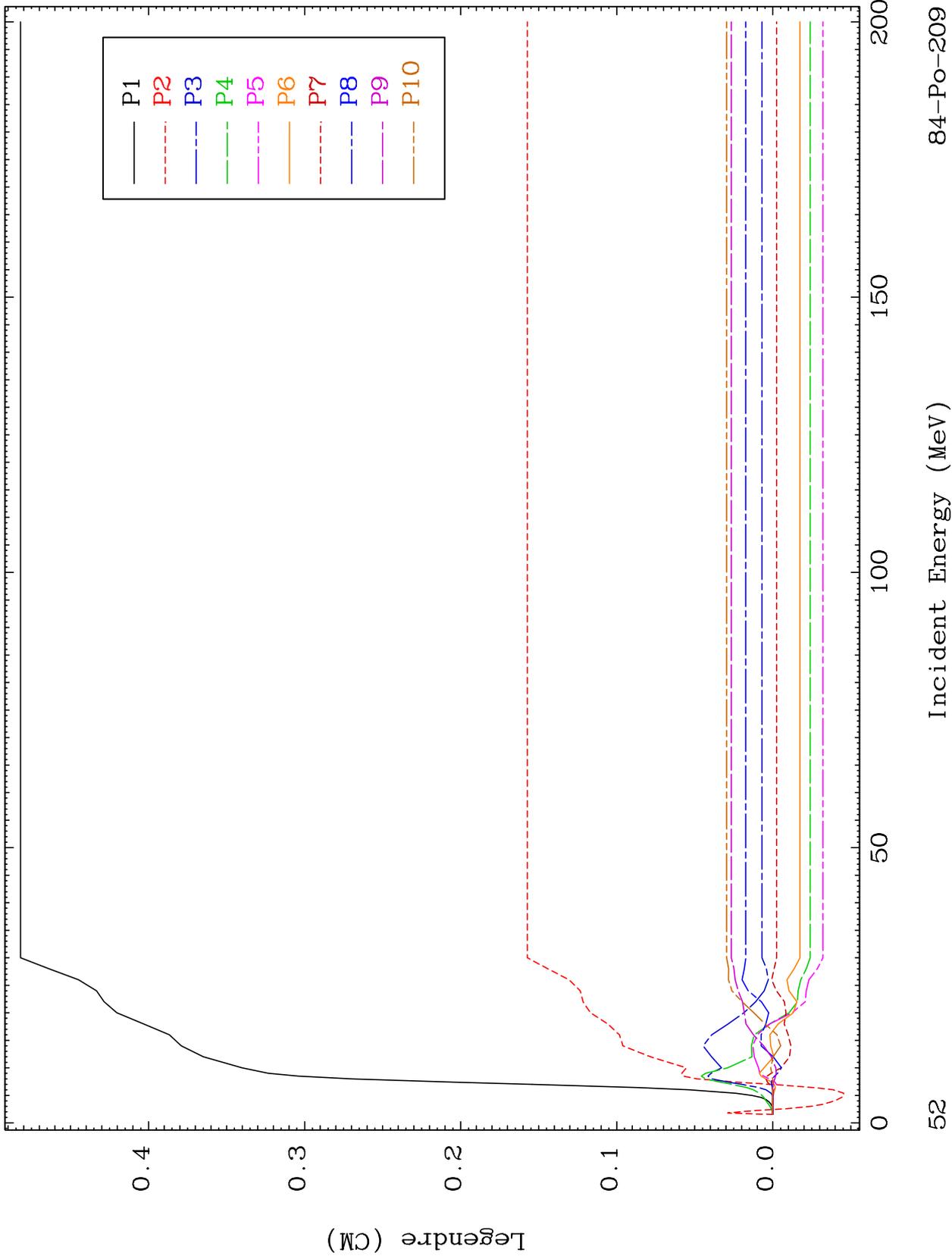




MAT 8434

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

84-Po-209



84-Po-209

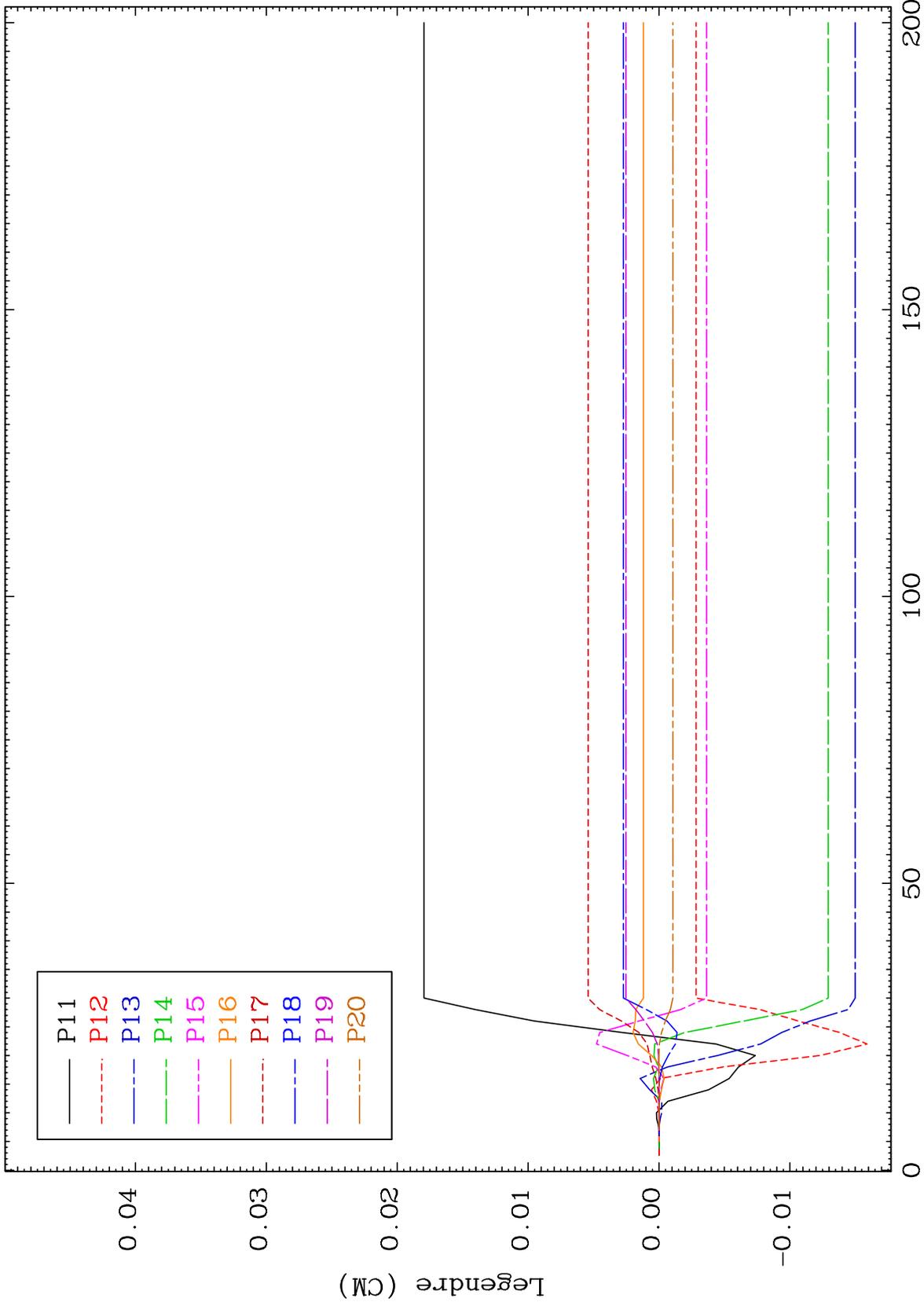
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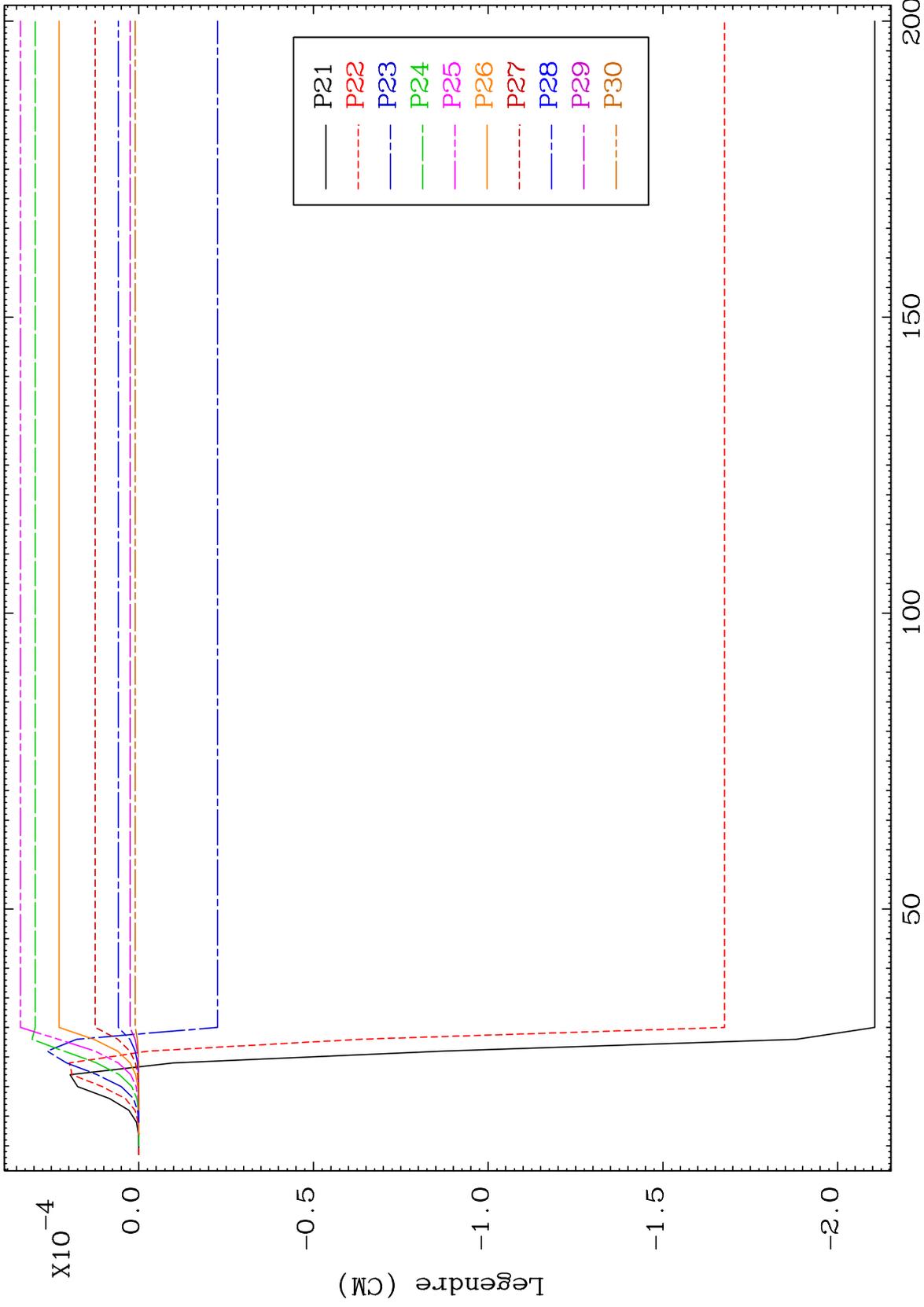
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MAT 8434

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

84-Po-209

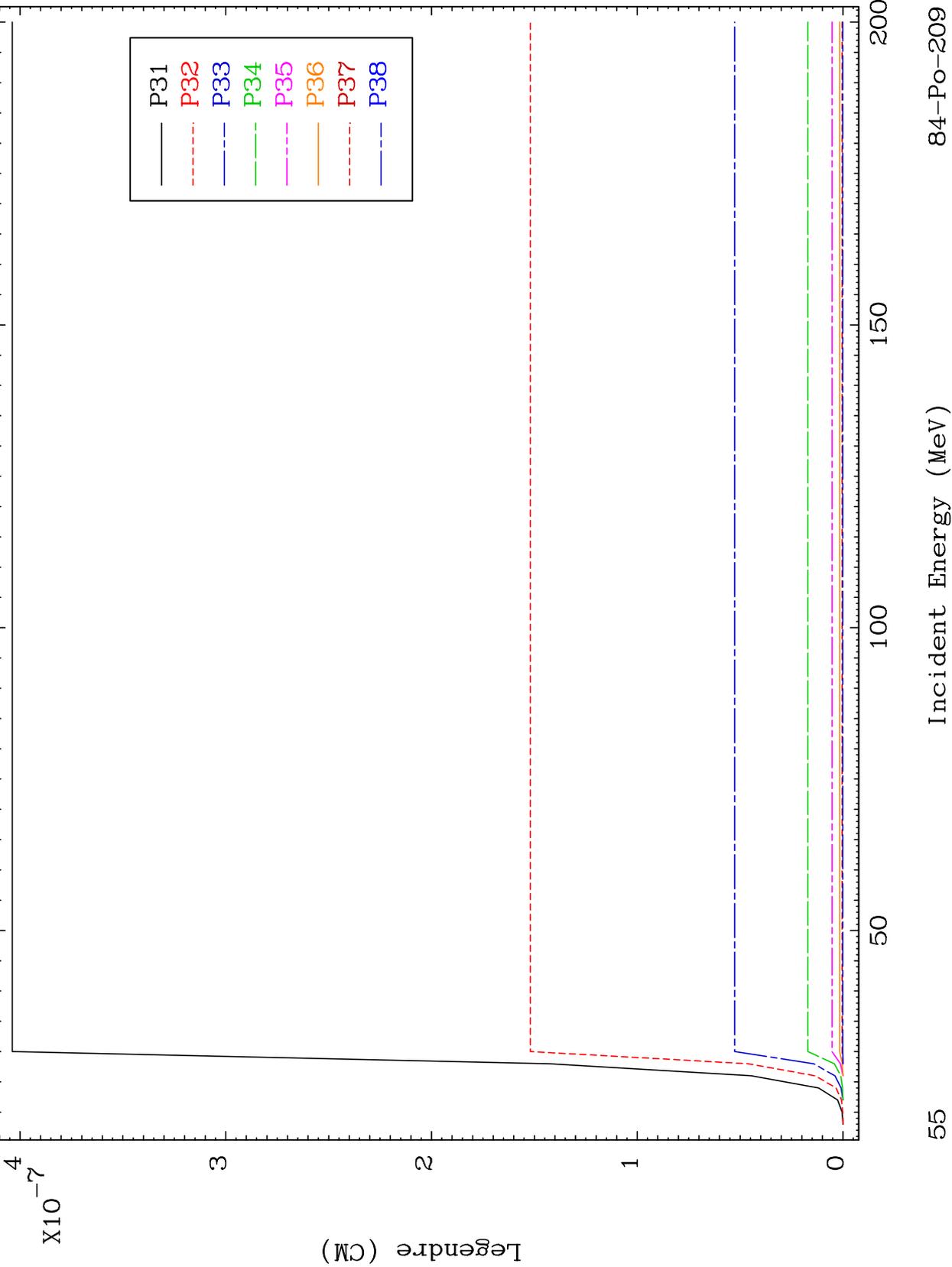




MAT 8434

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

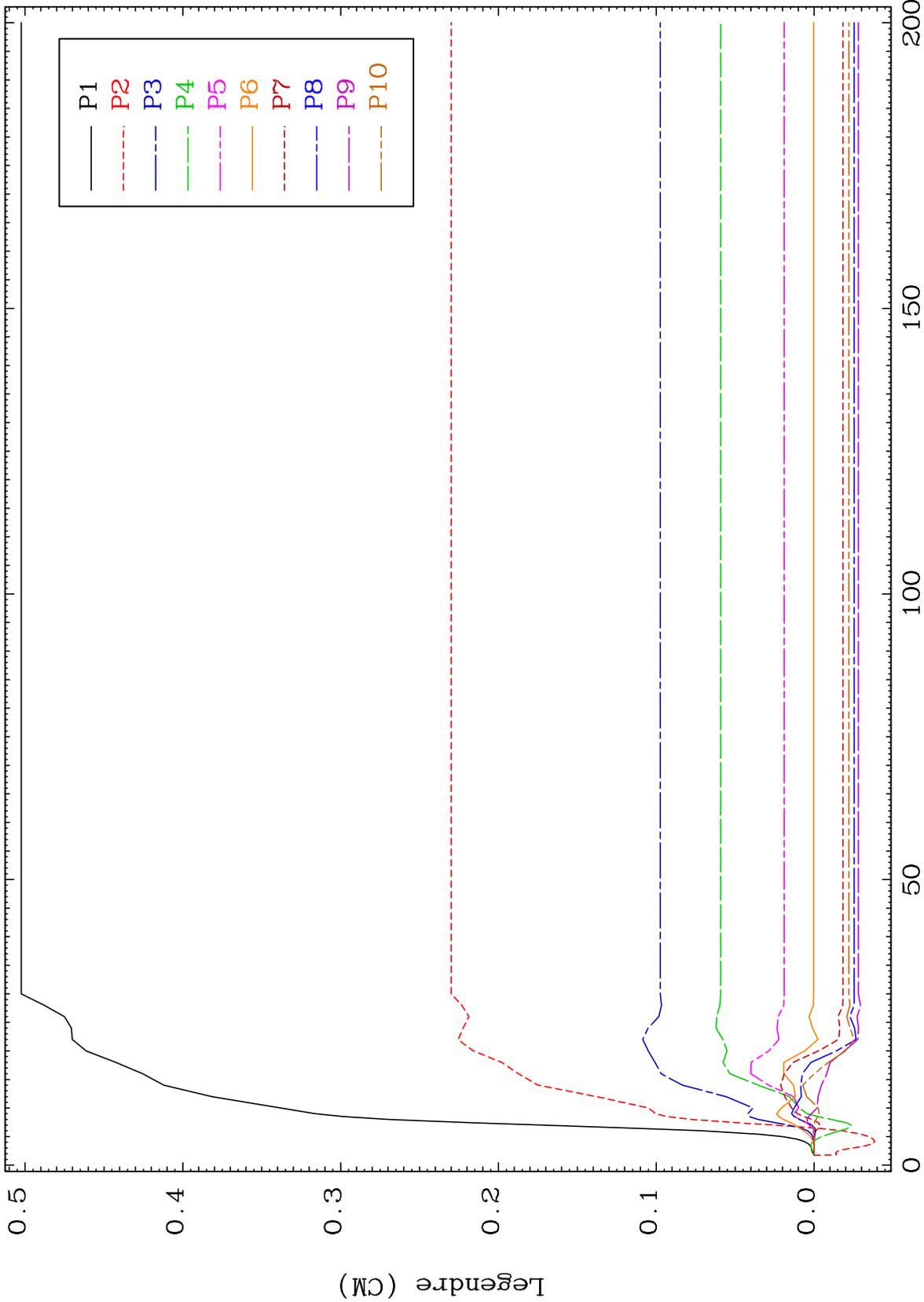
84-Po-209



MAT 8434

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

84-Po-209



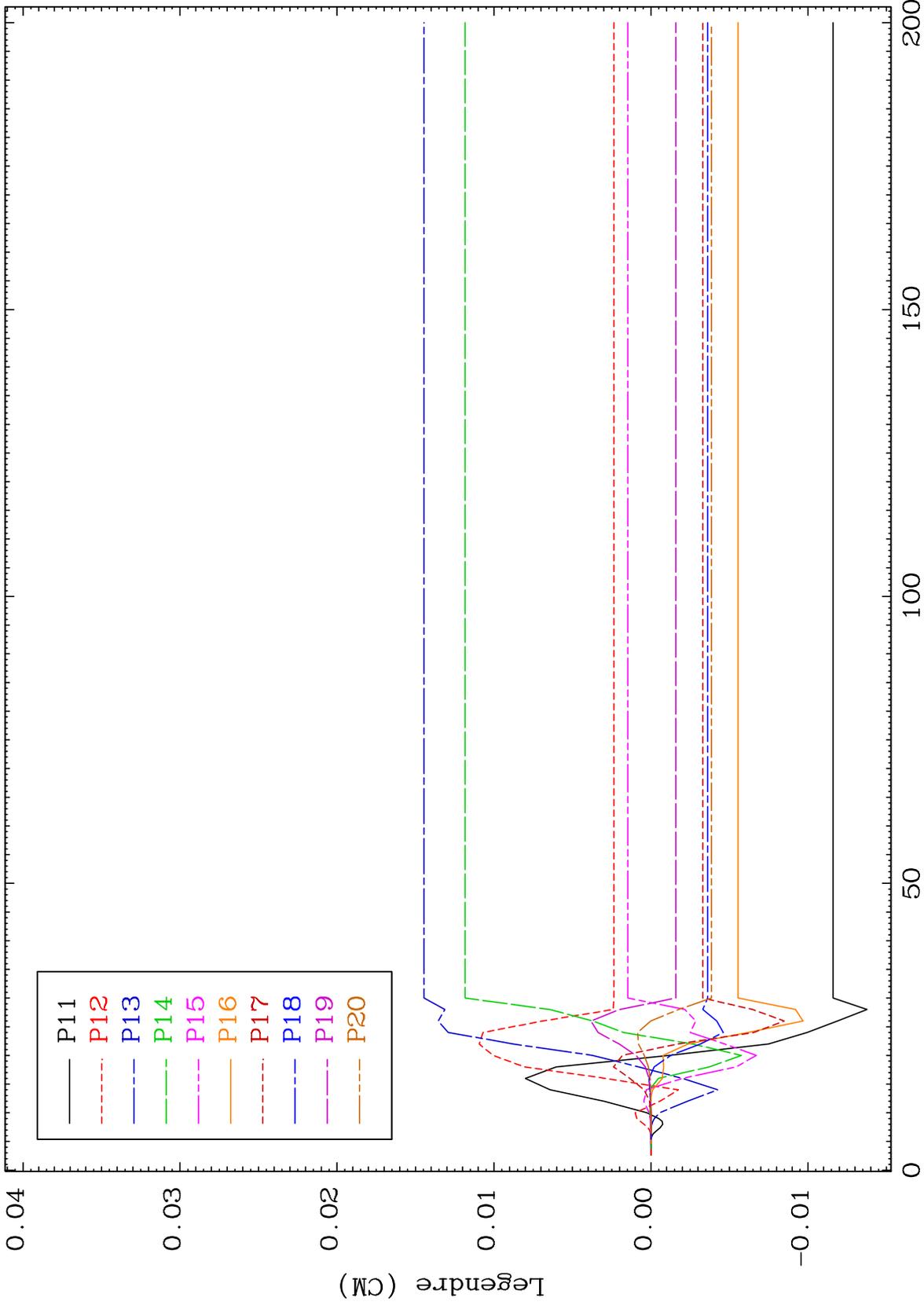
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84-Po-209

MAT 8434

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

84-Po-209



57

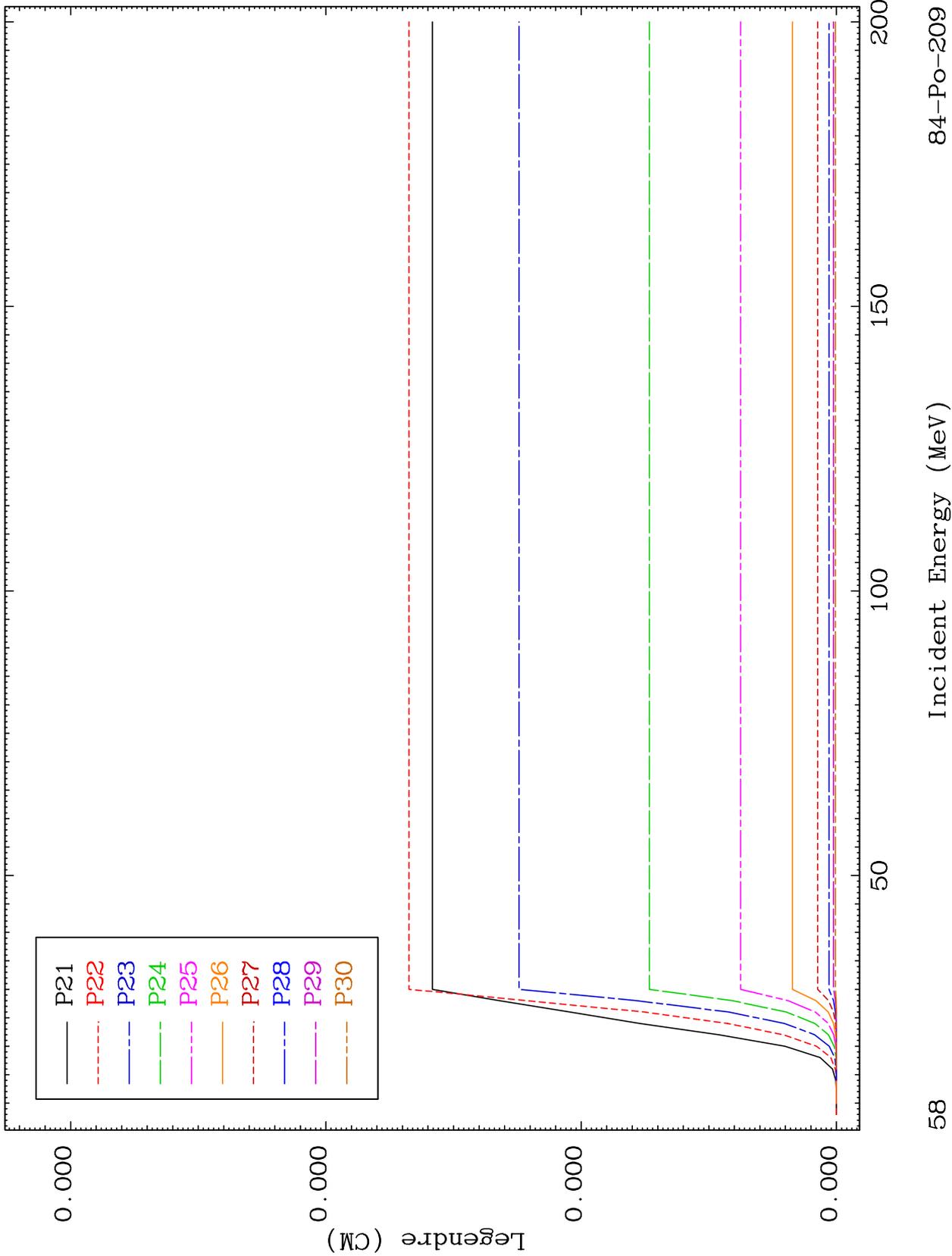
Incident Energy (MeV)

84-Po-209

MAT 8434

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

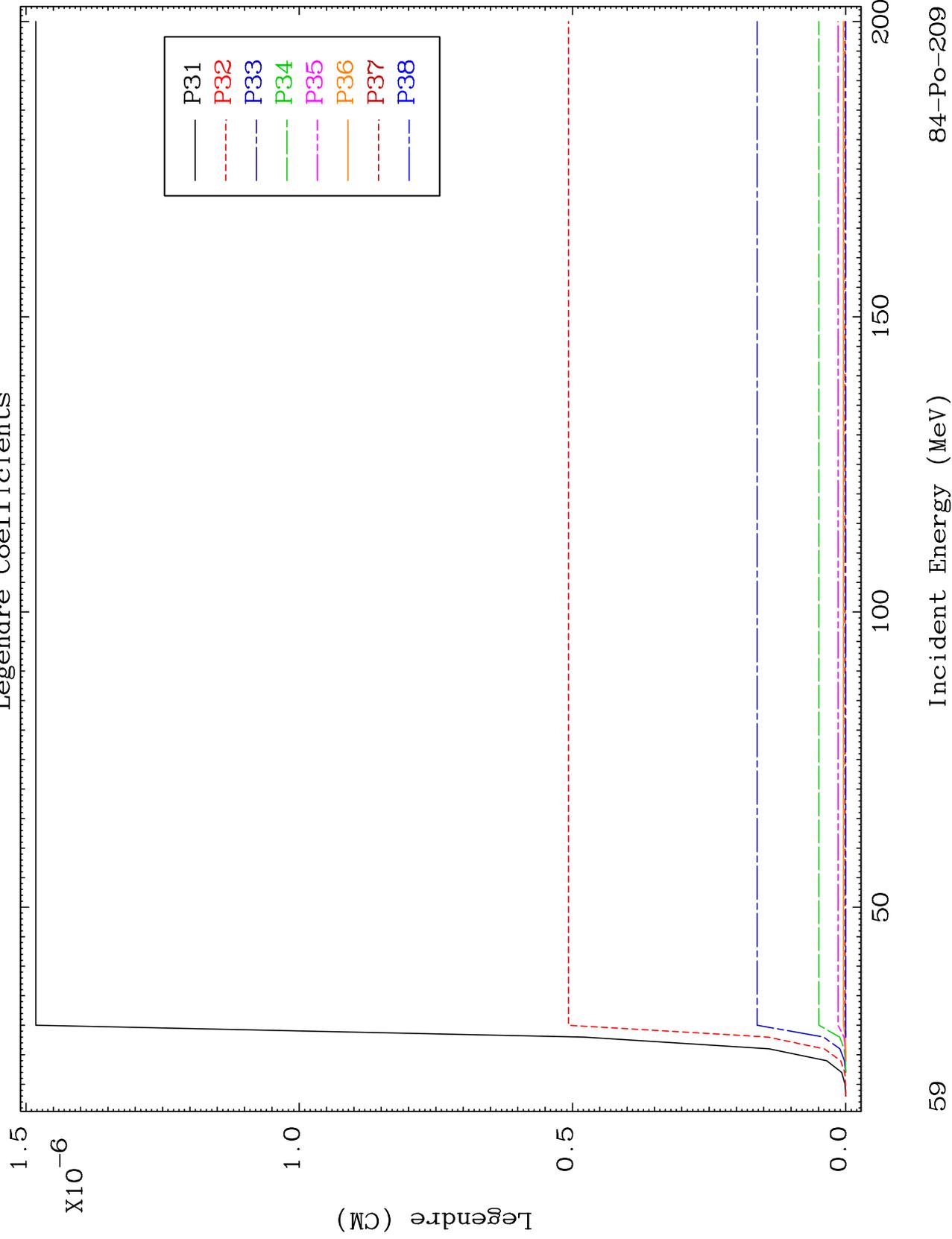
84-Po-209



58

Incident Energy (MeV)

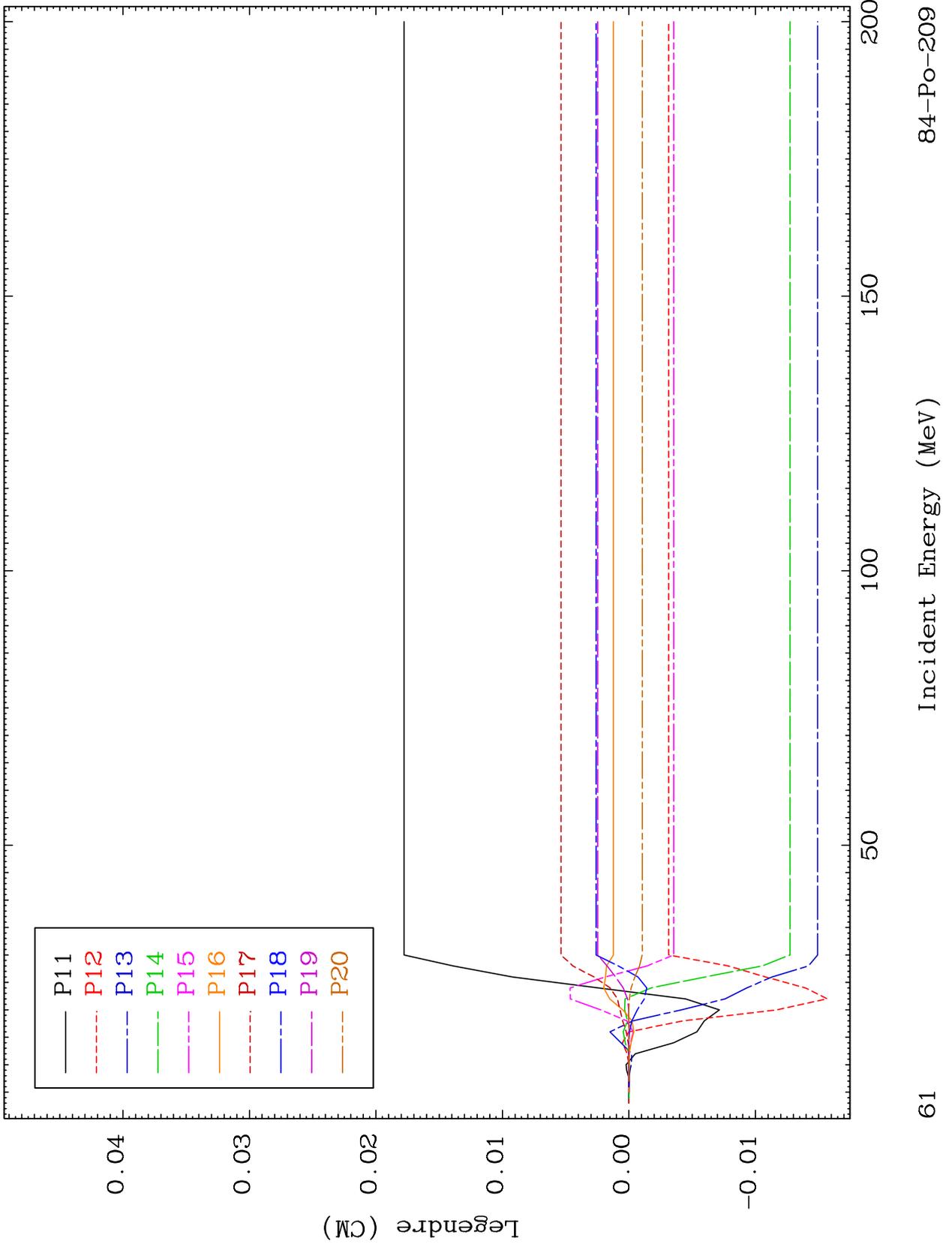
84-Po-209



MAT 8434

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

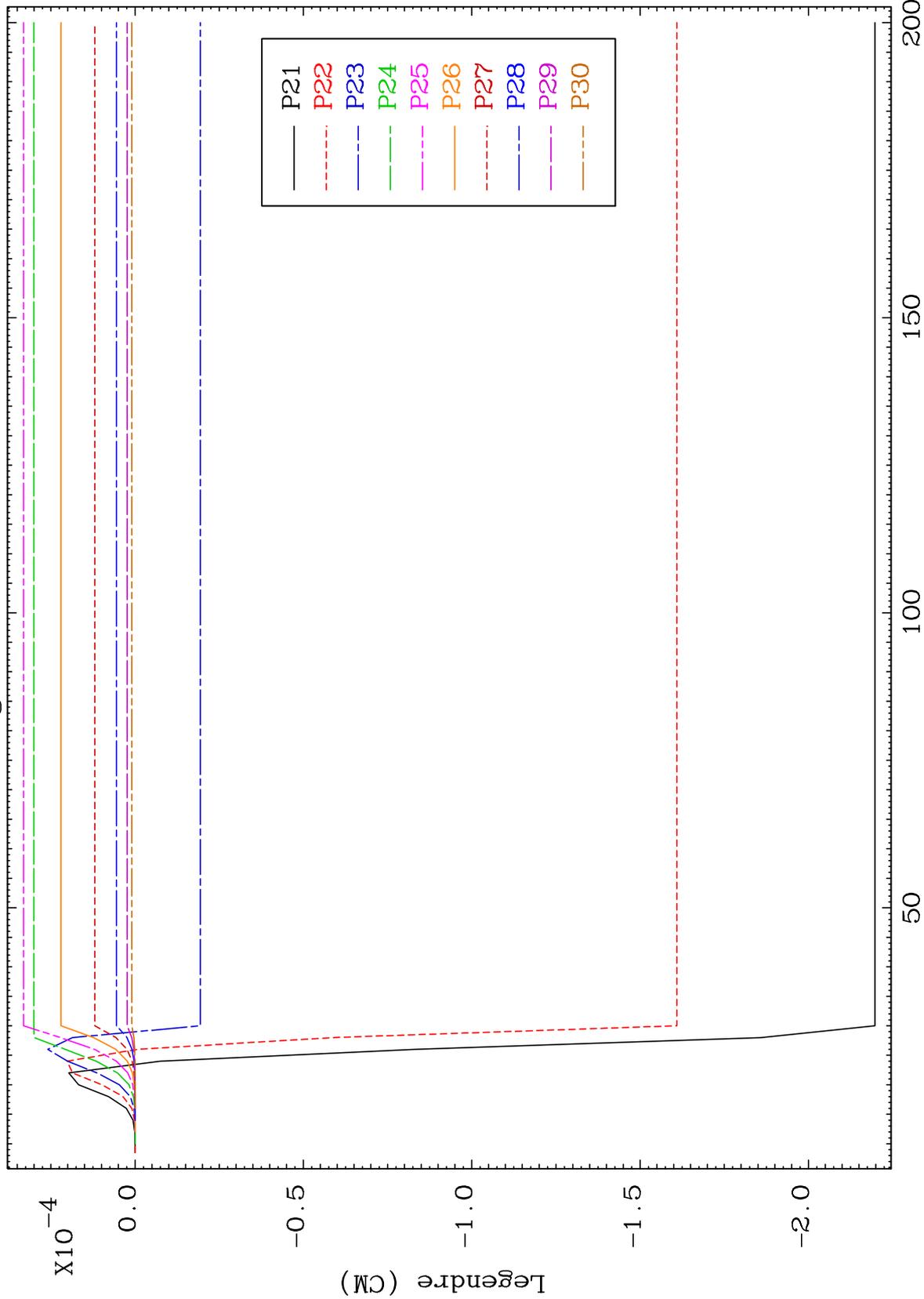
84-Po-209



MAT 8434

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

84-Po-209



62

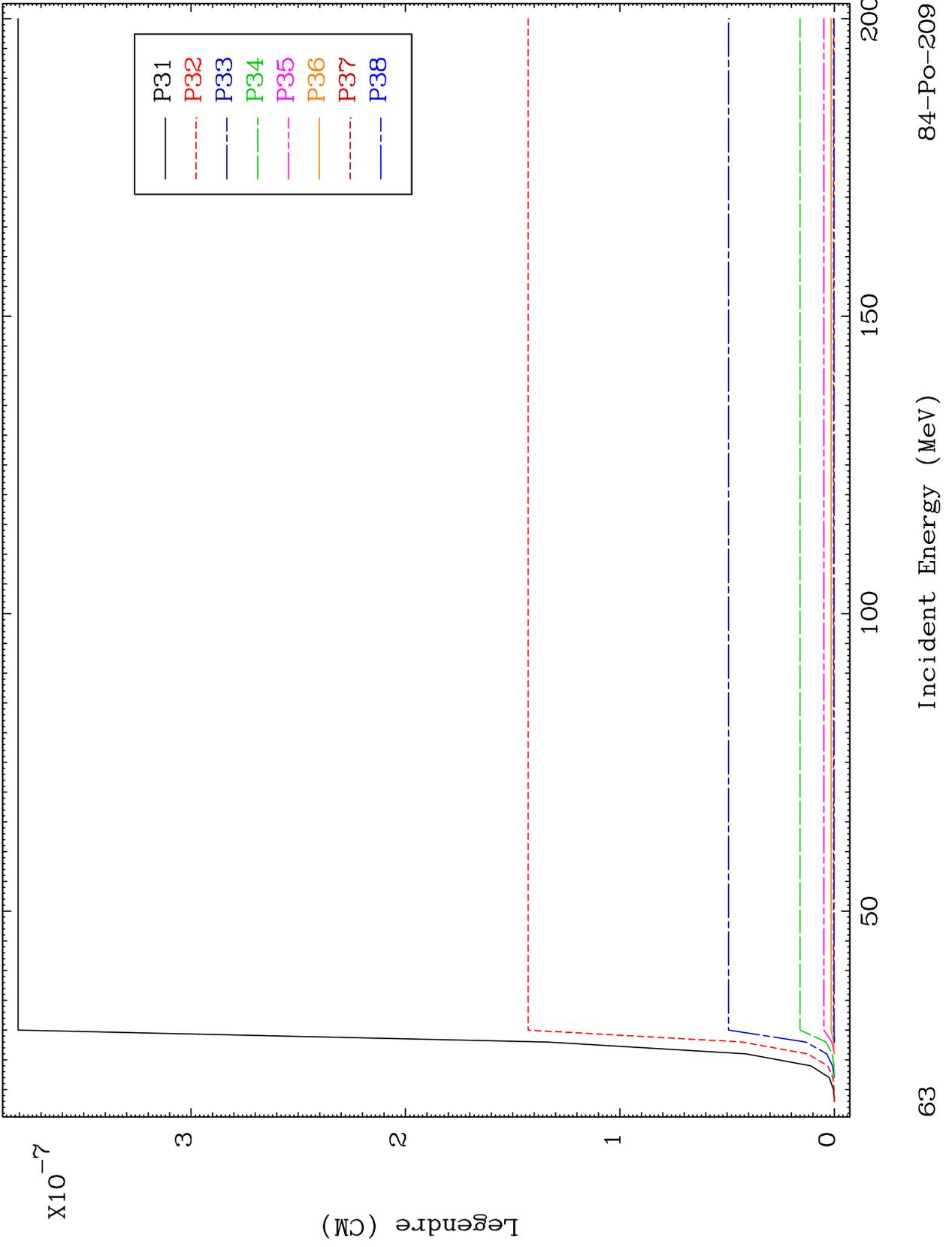
Incident Energy (MeV)

84-Po-209

MAT 8434

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

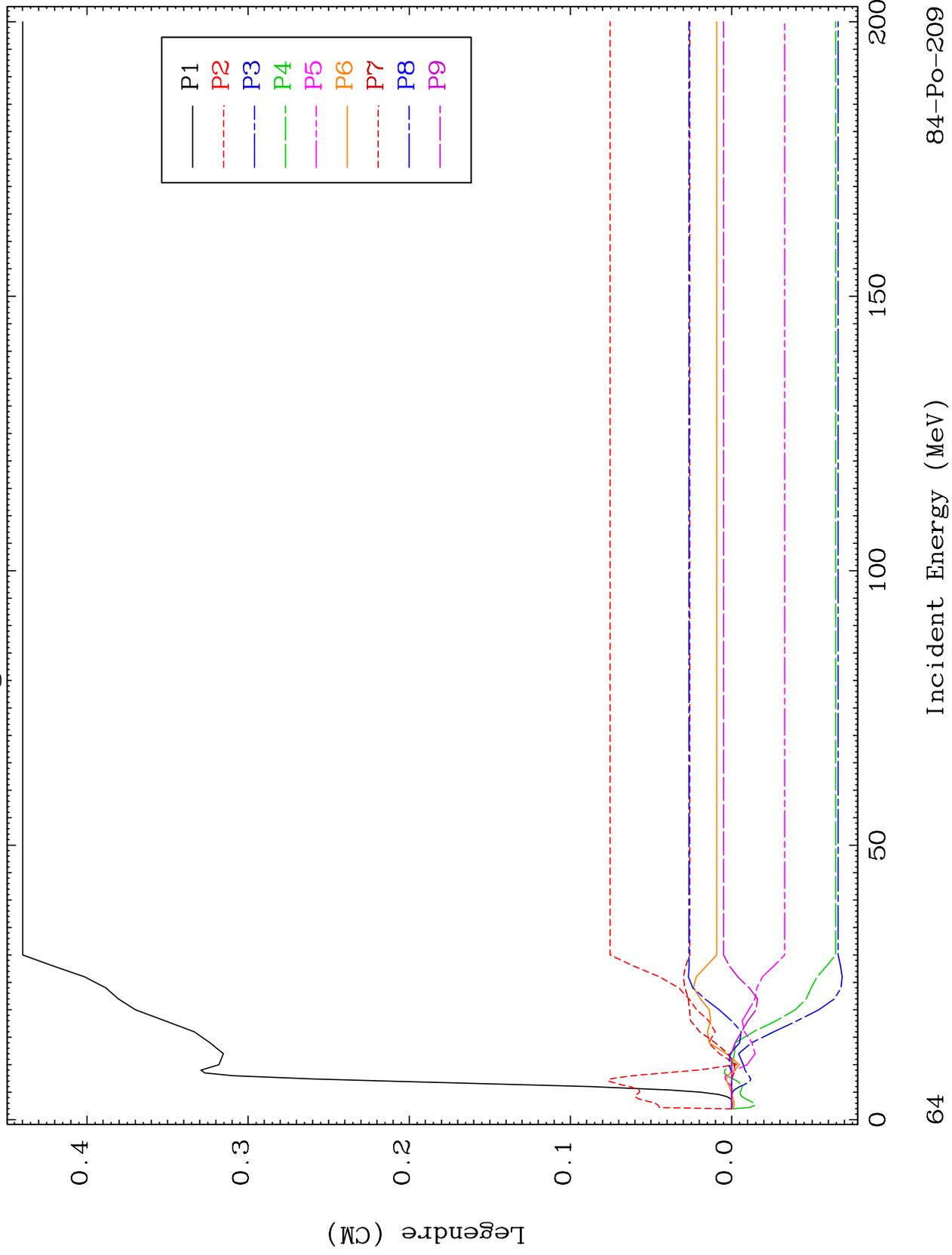
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

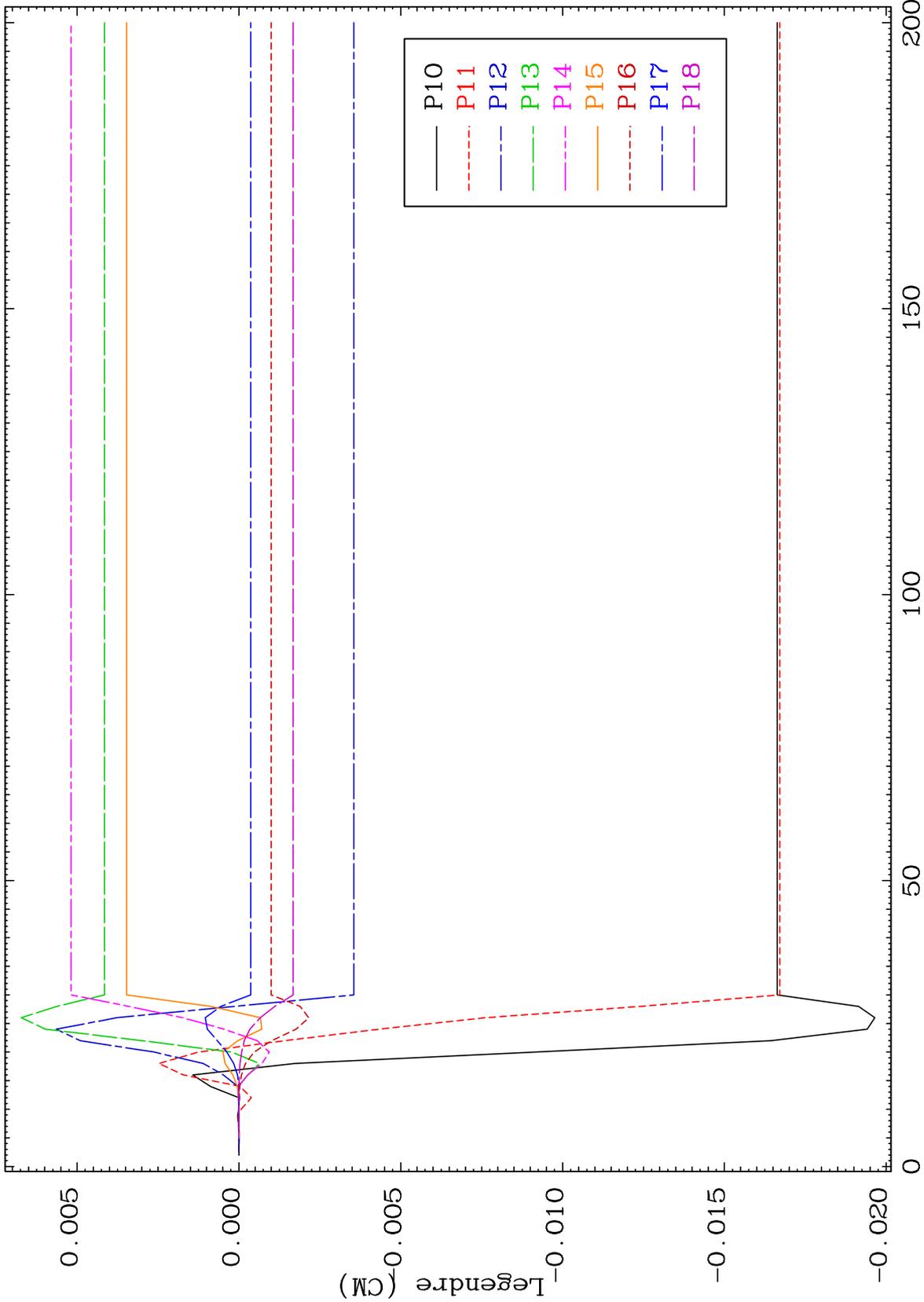
Incident Energy (MeV)

64

MAT 8434

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

84-Po-209



65

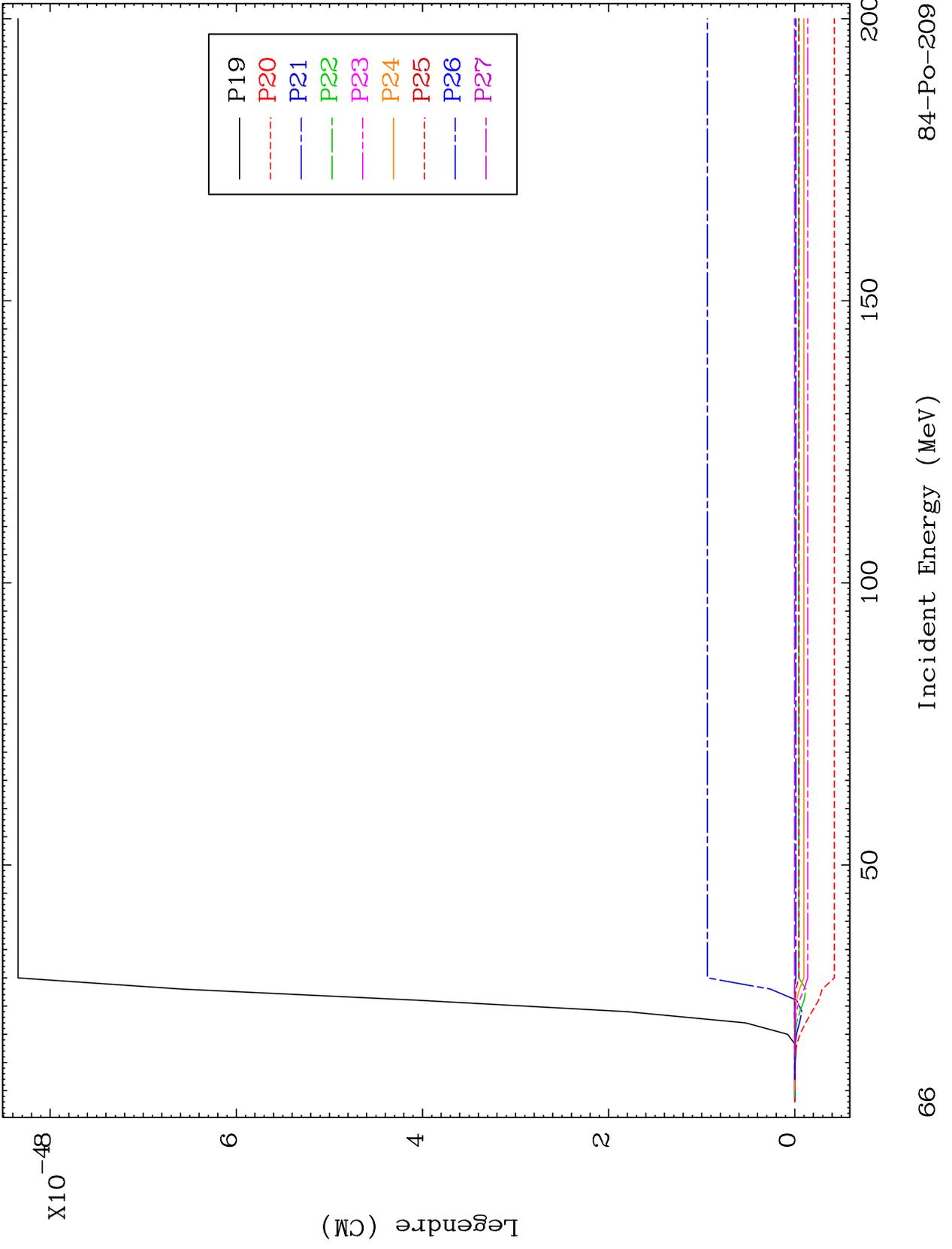
Incident Energy (MeV)

84-Po-209

MAT 8434

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

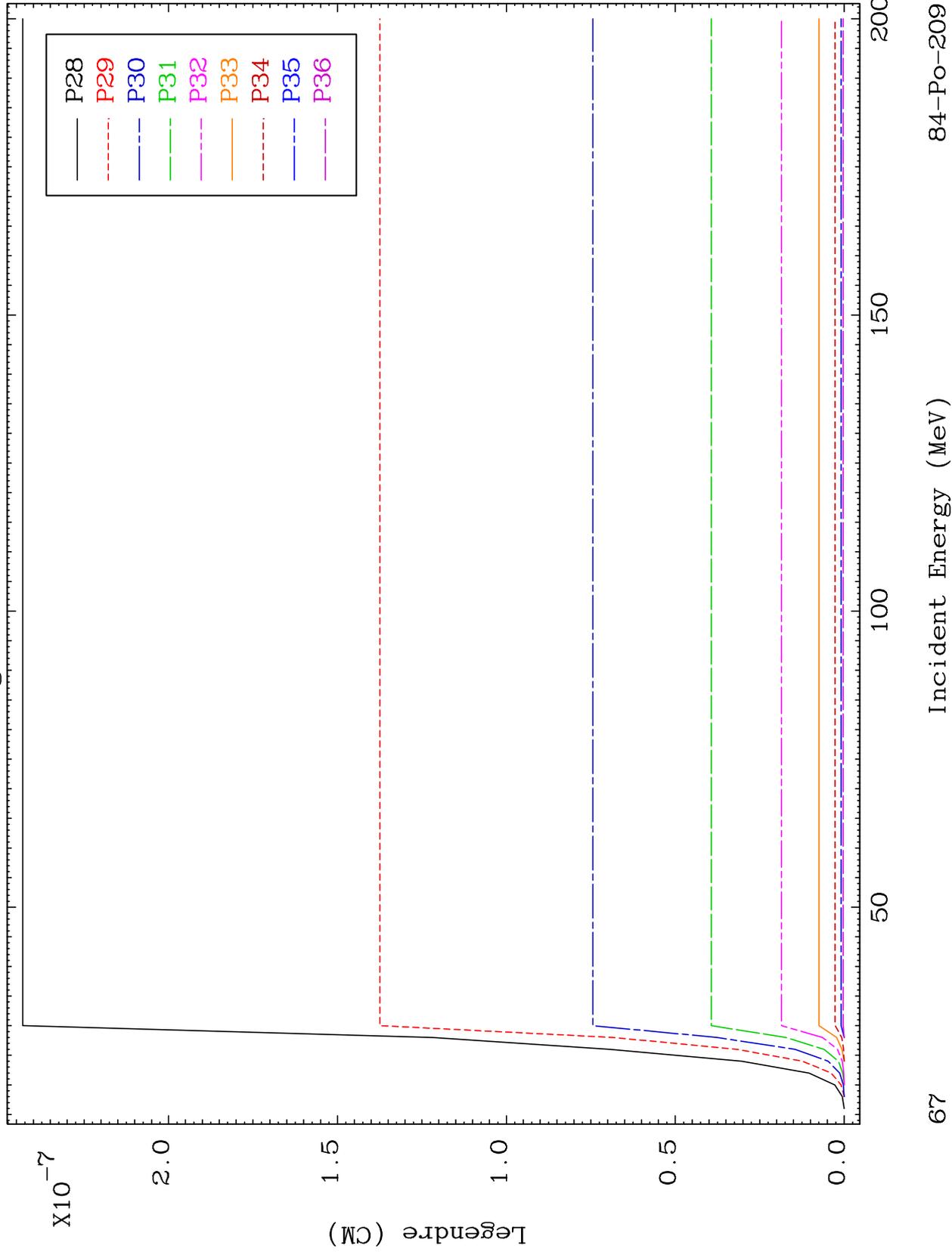
84-Po-209



MAT 8434

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

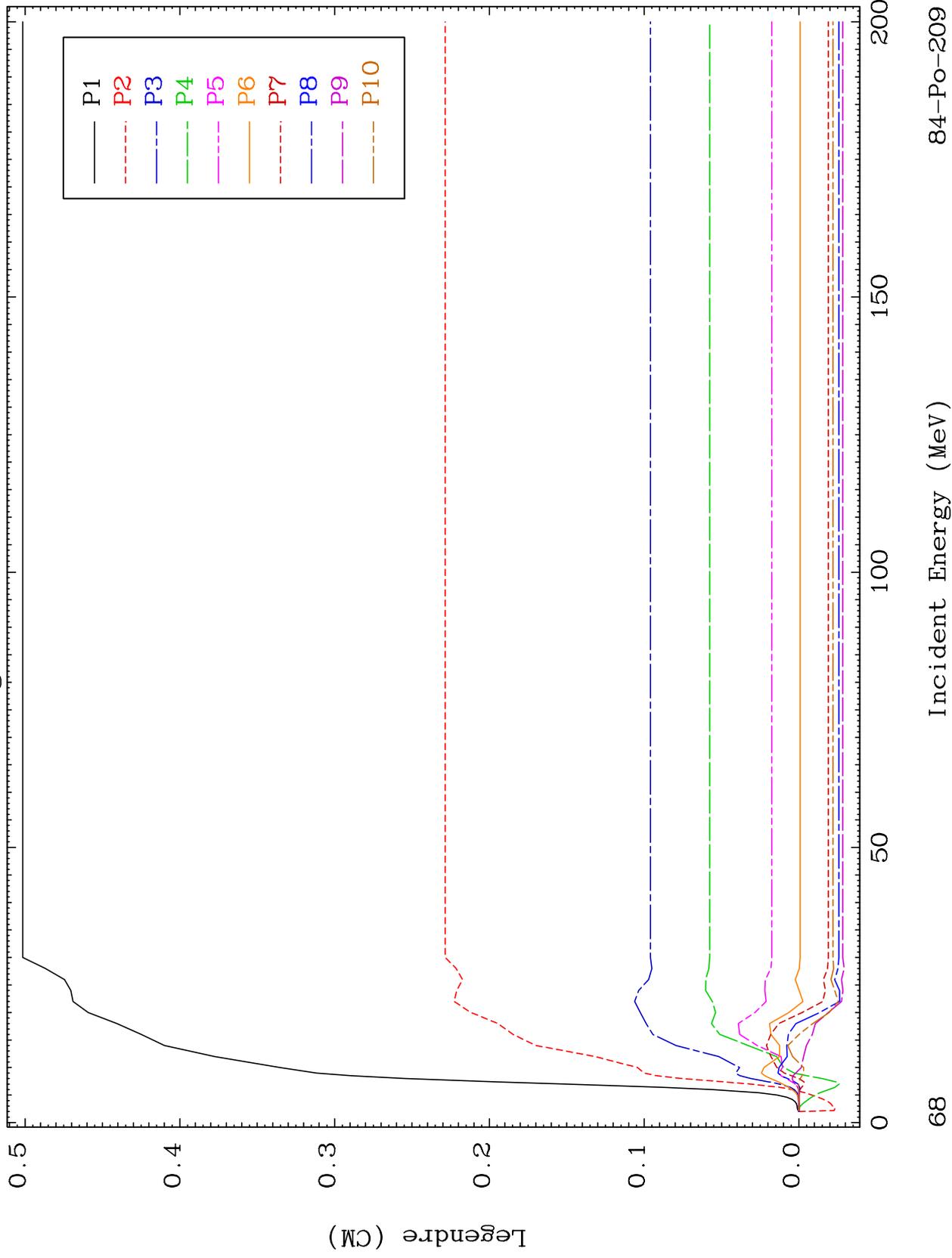
84-Po-209



MAT 8434

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

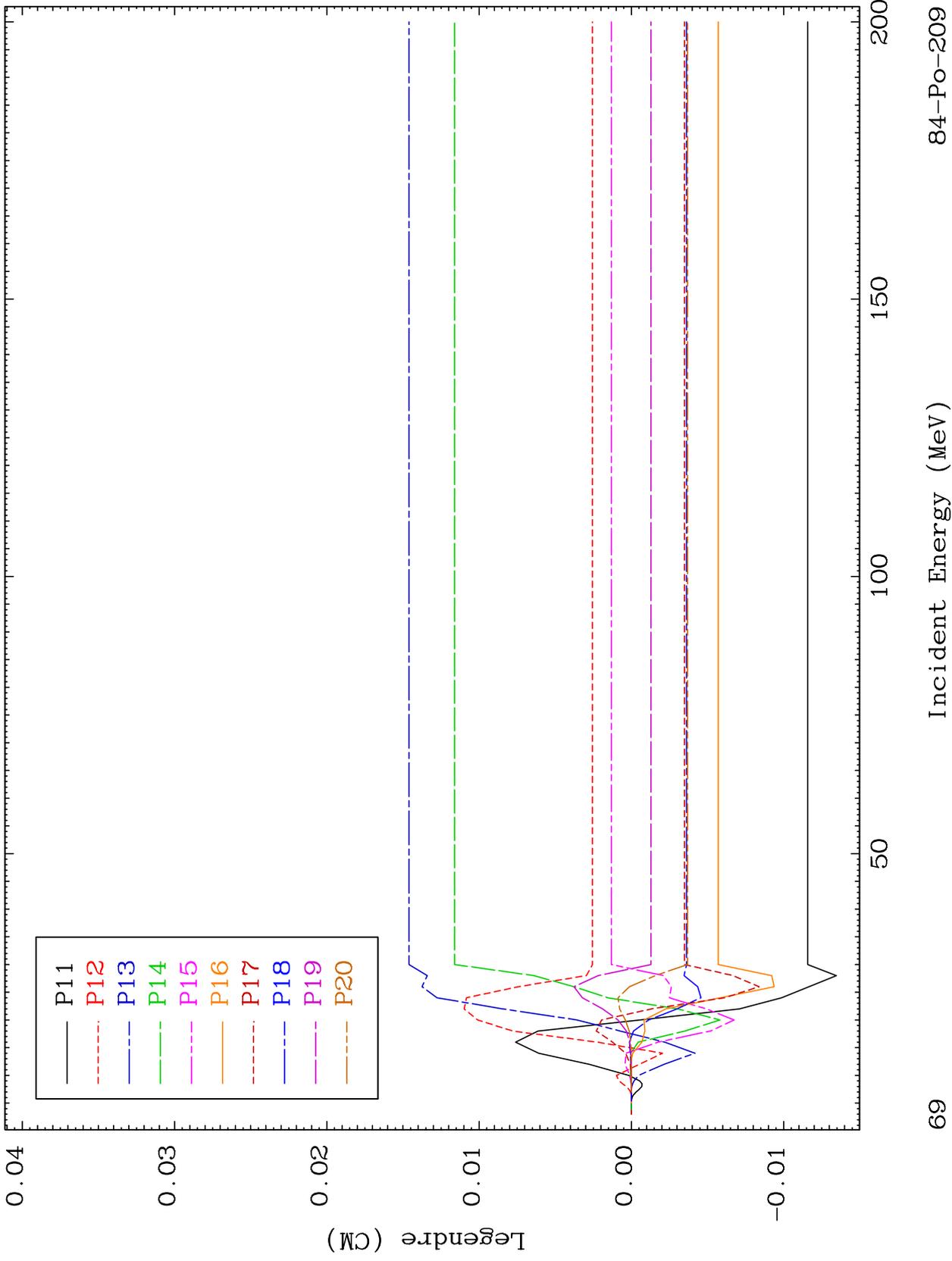
84-Po-209



MAT 8434

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

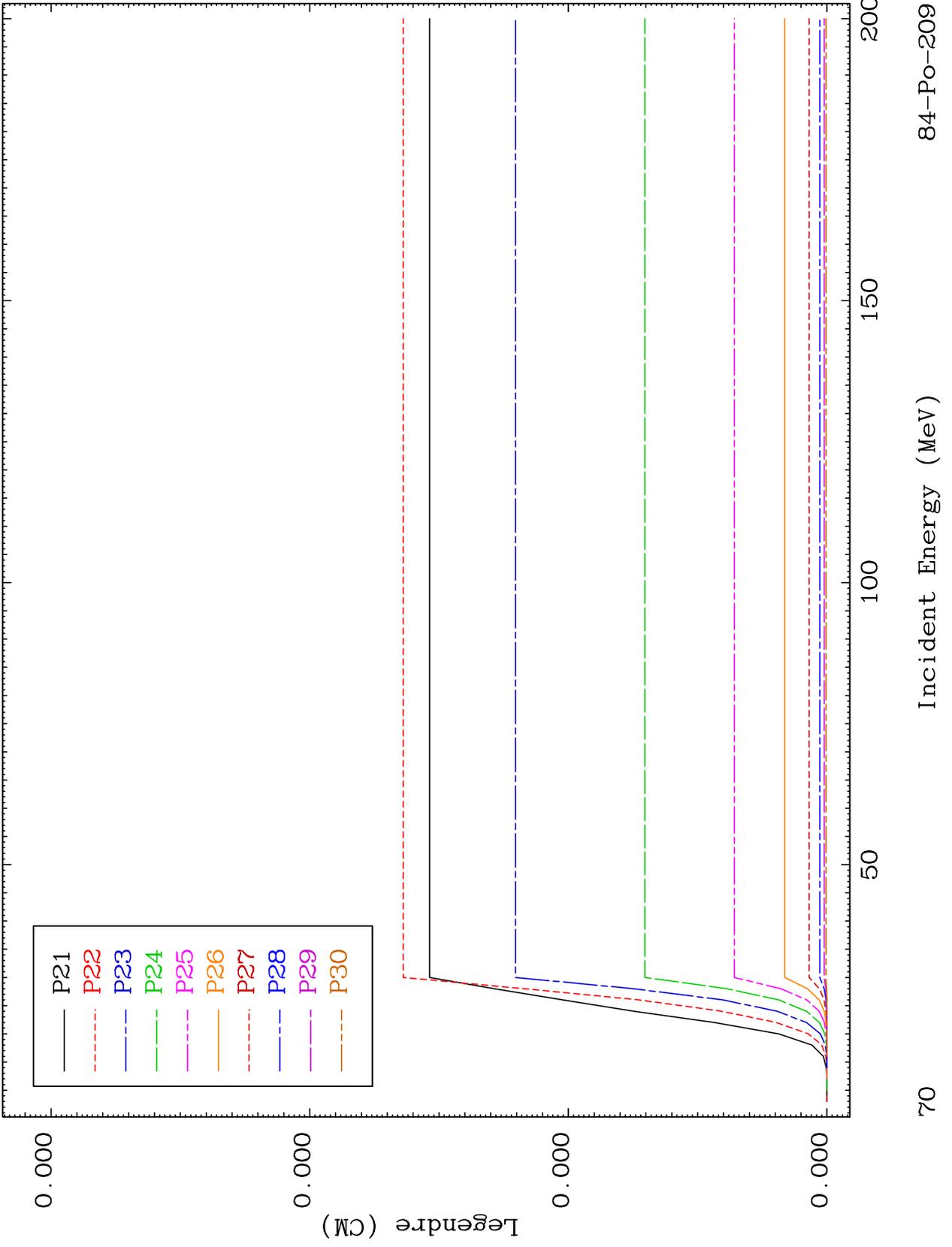
84-Po-209



MAT 8434

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

84-Po-209



70

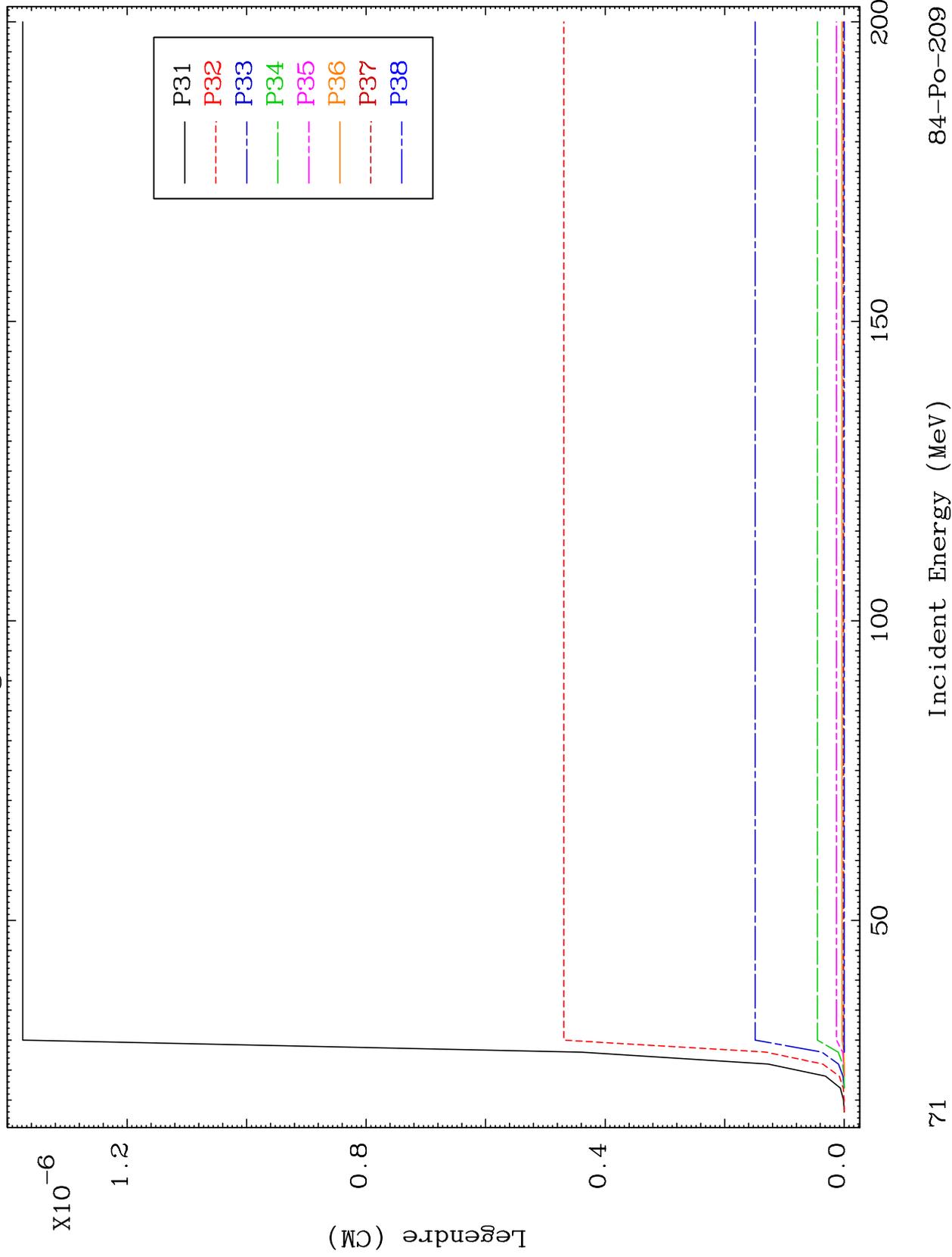
Incident Energy (MeV)

84-Po-209

MAT 8434

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

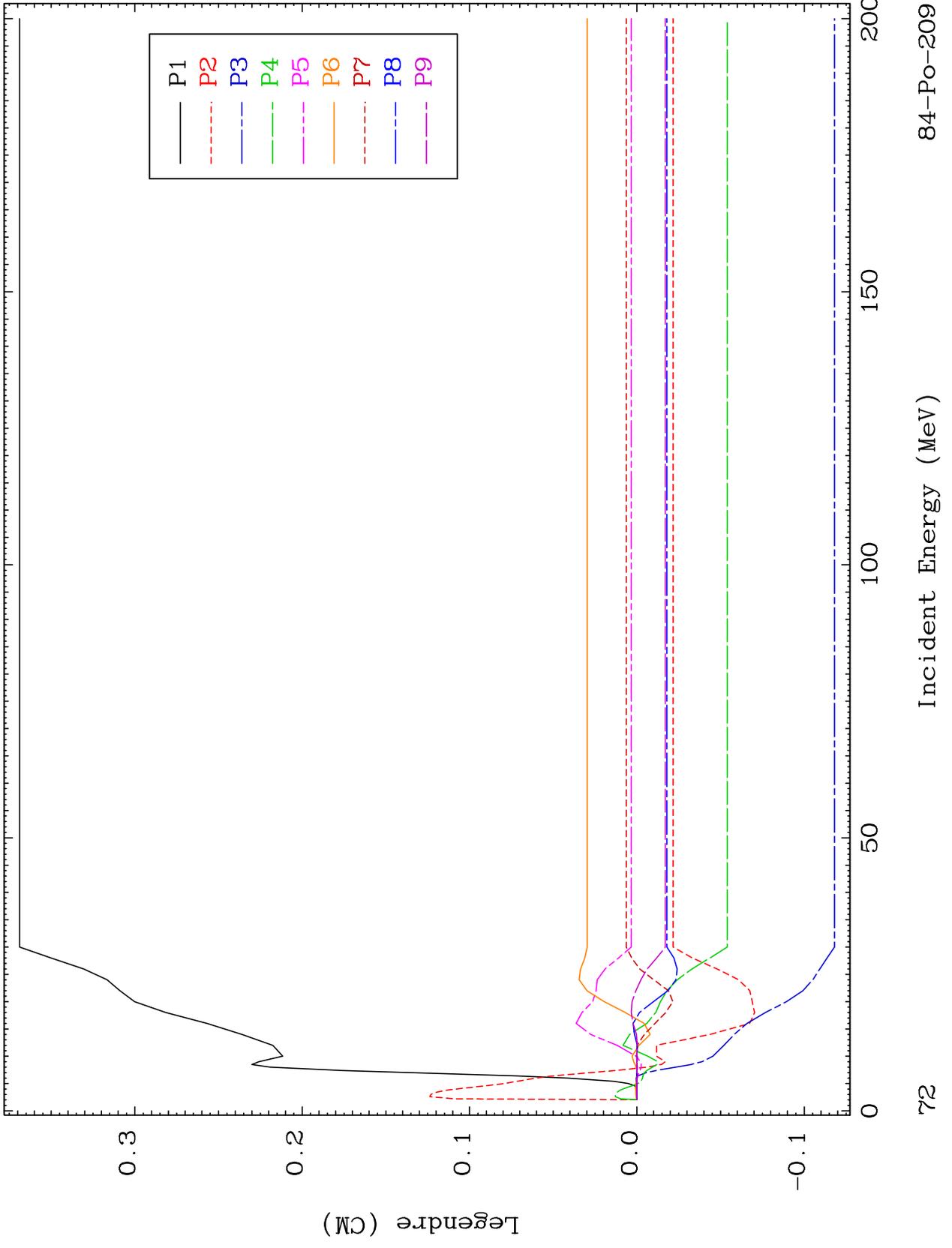
84-Po-209



MAT 8434

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

84-Po-209



72

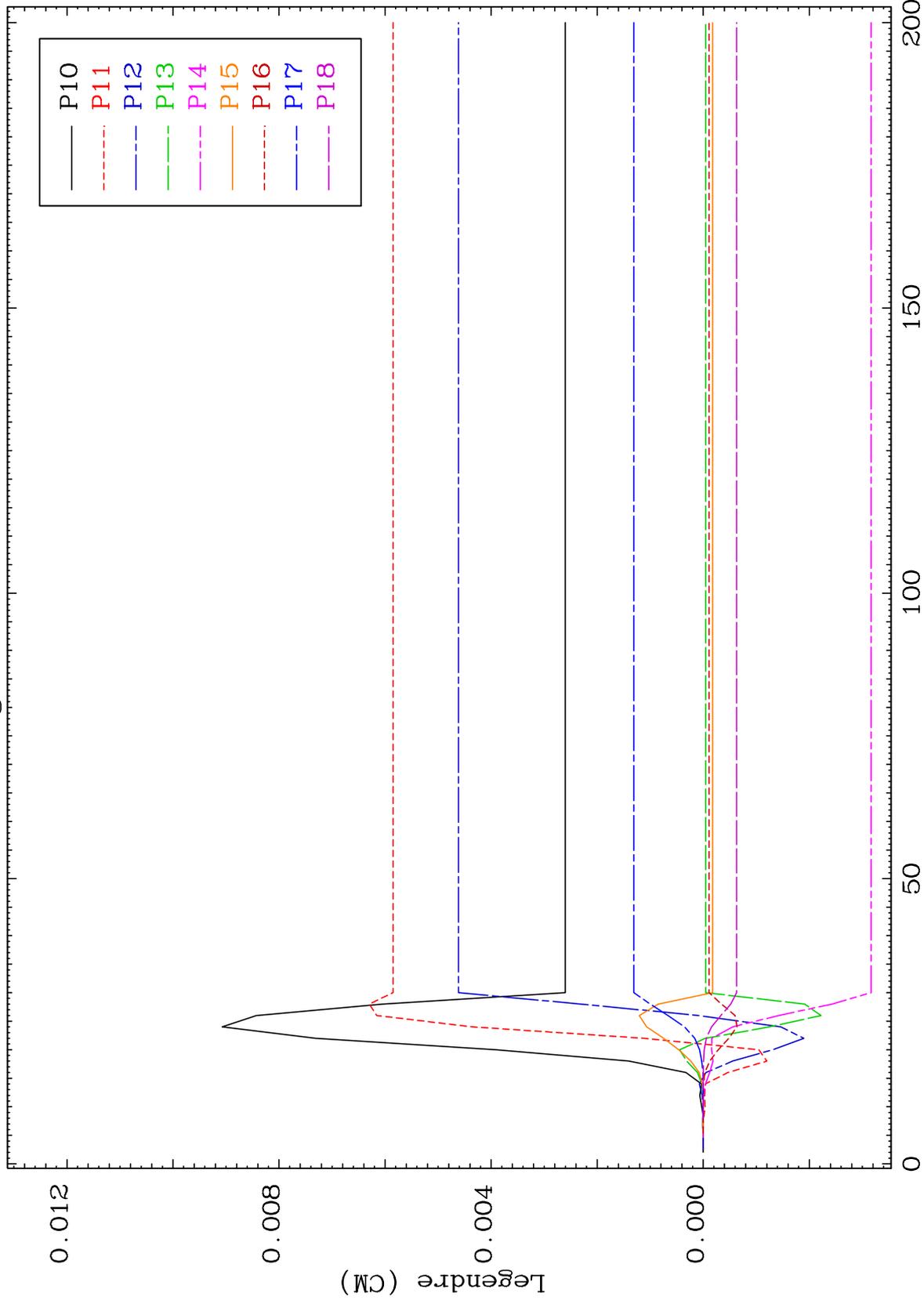
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



73

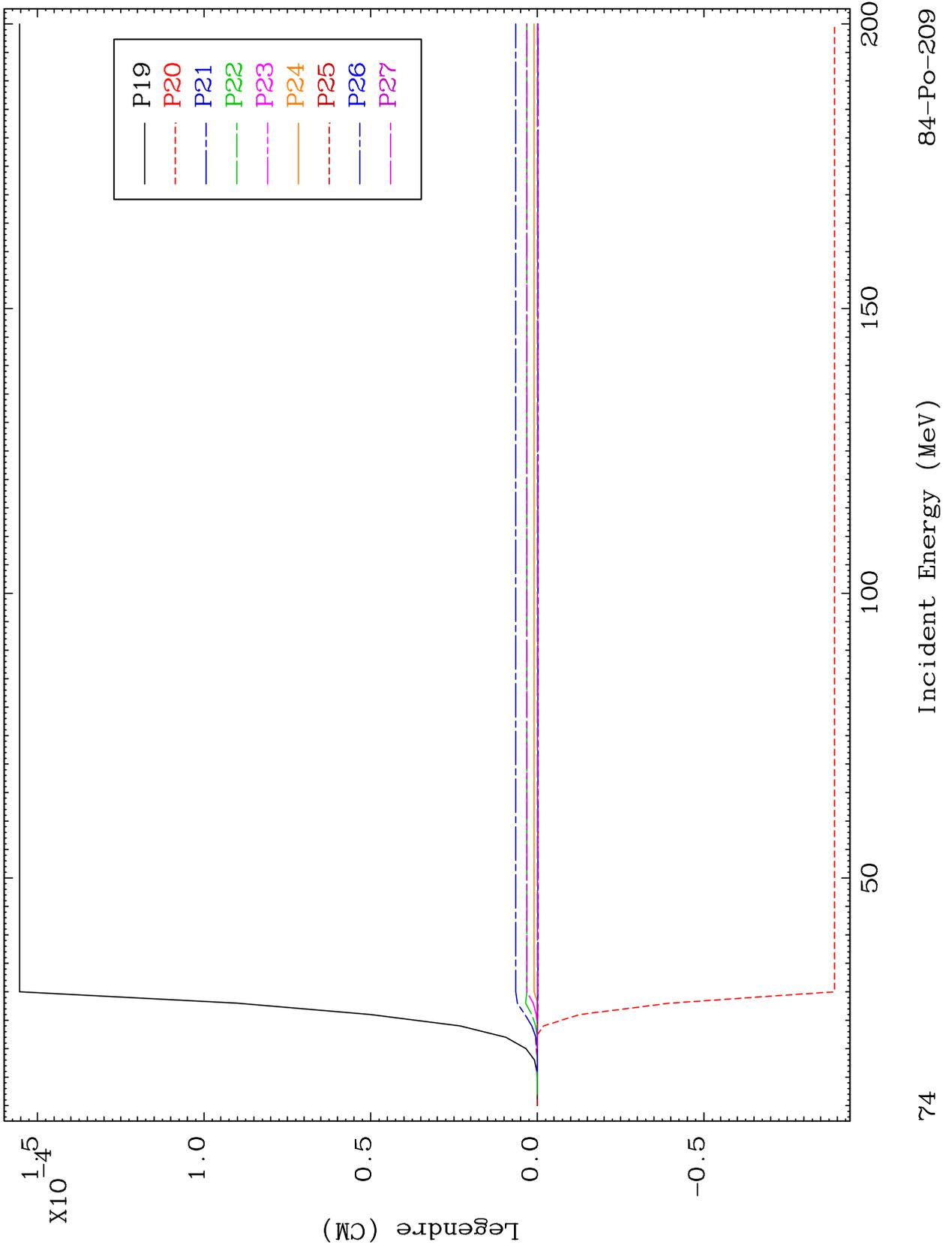
Incident Energy (MeV)

84-Po-209

MAT 8434

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

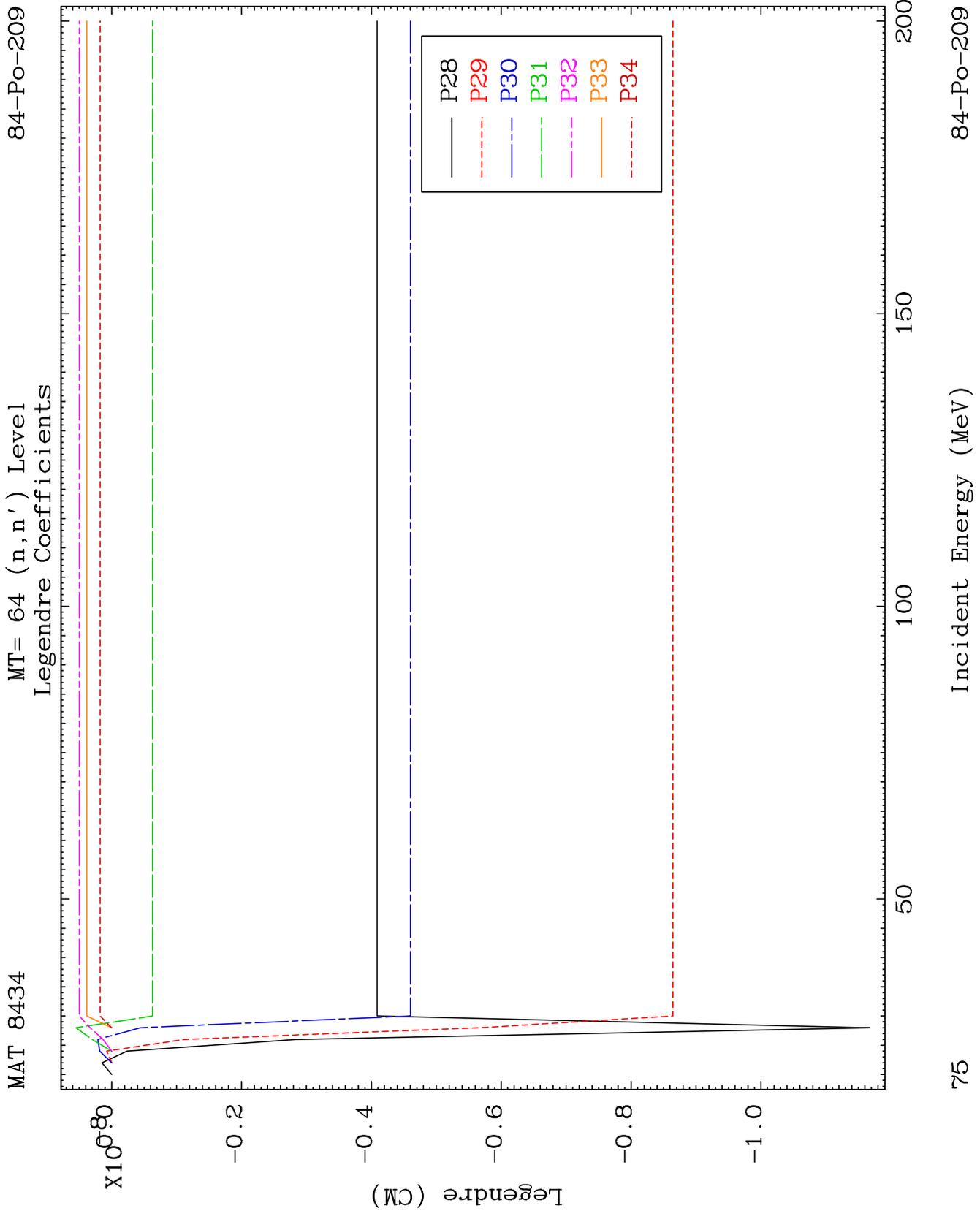
84-Po-209



74

Incident Energy (MeV)

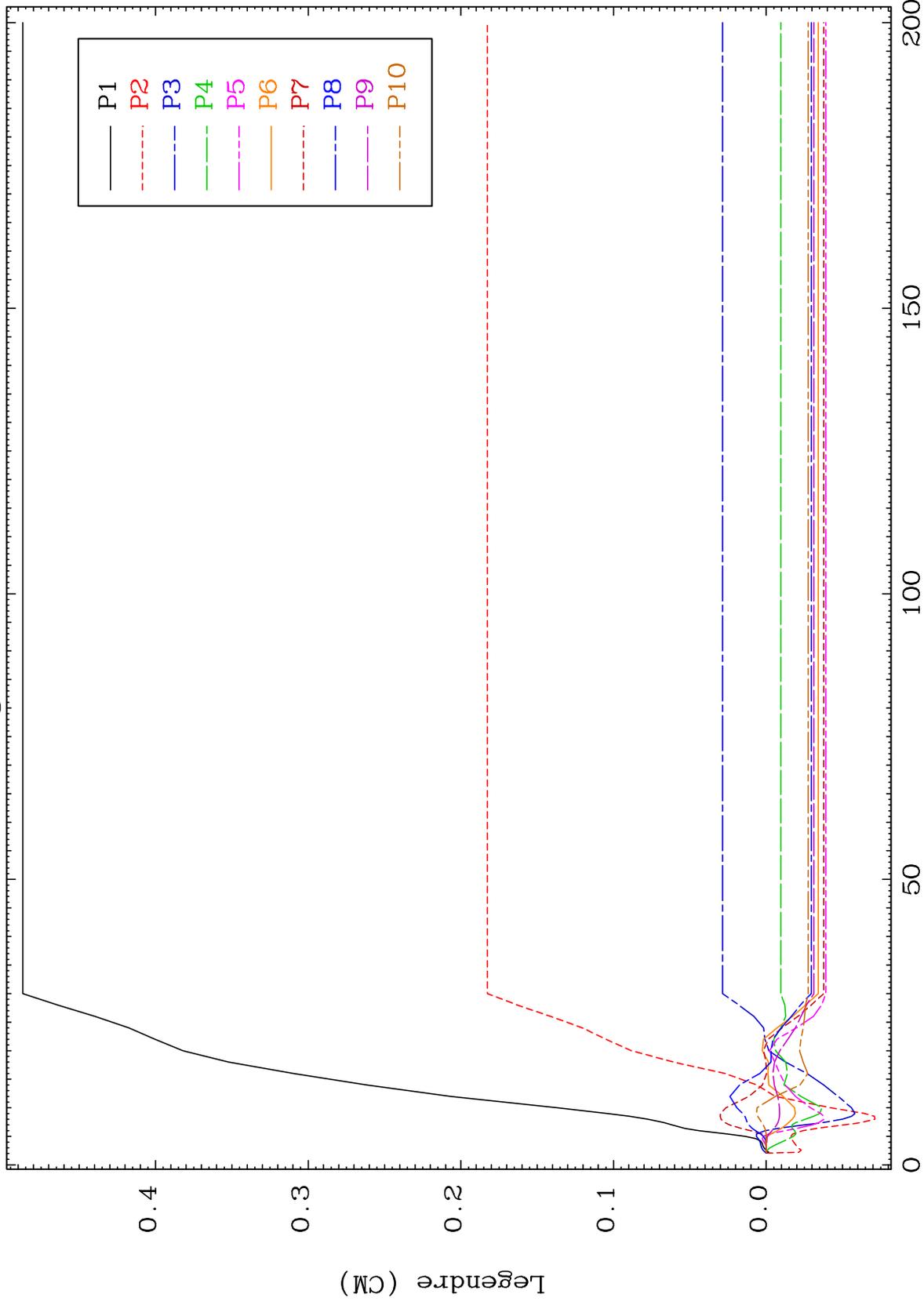
84-Po-209



MAT 8434

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

84-Po-209



76

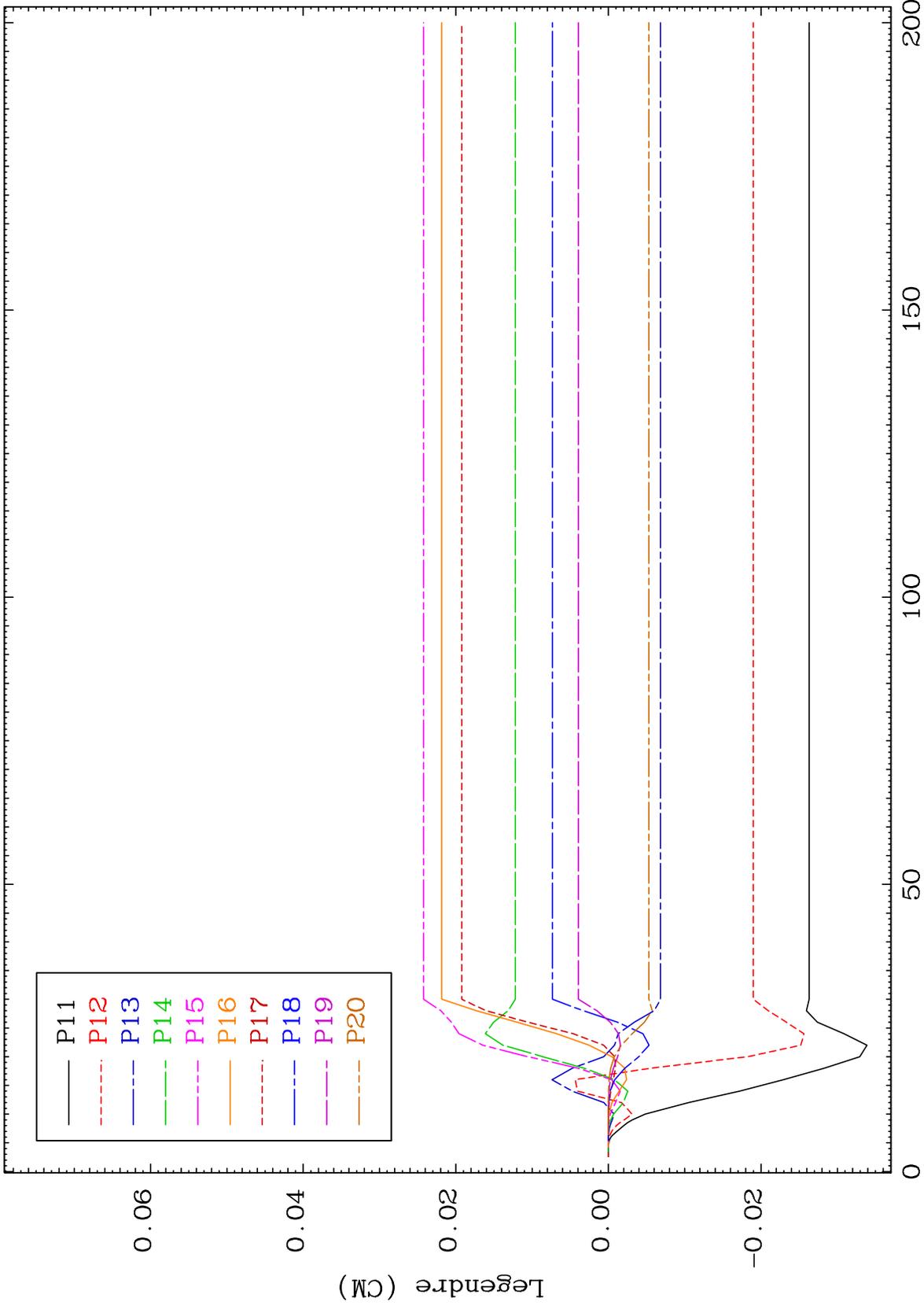
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



77

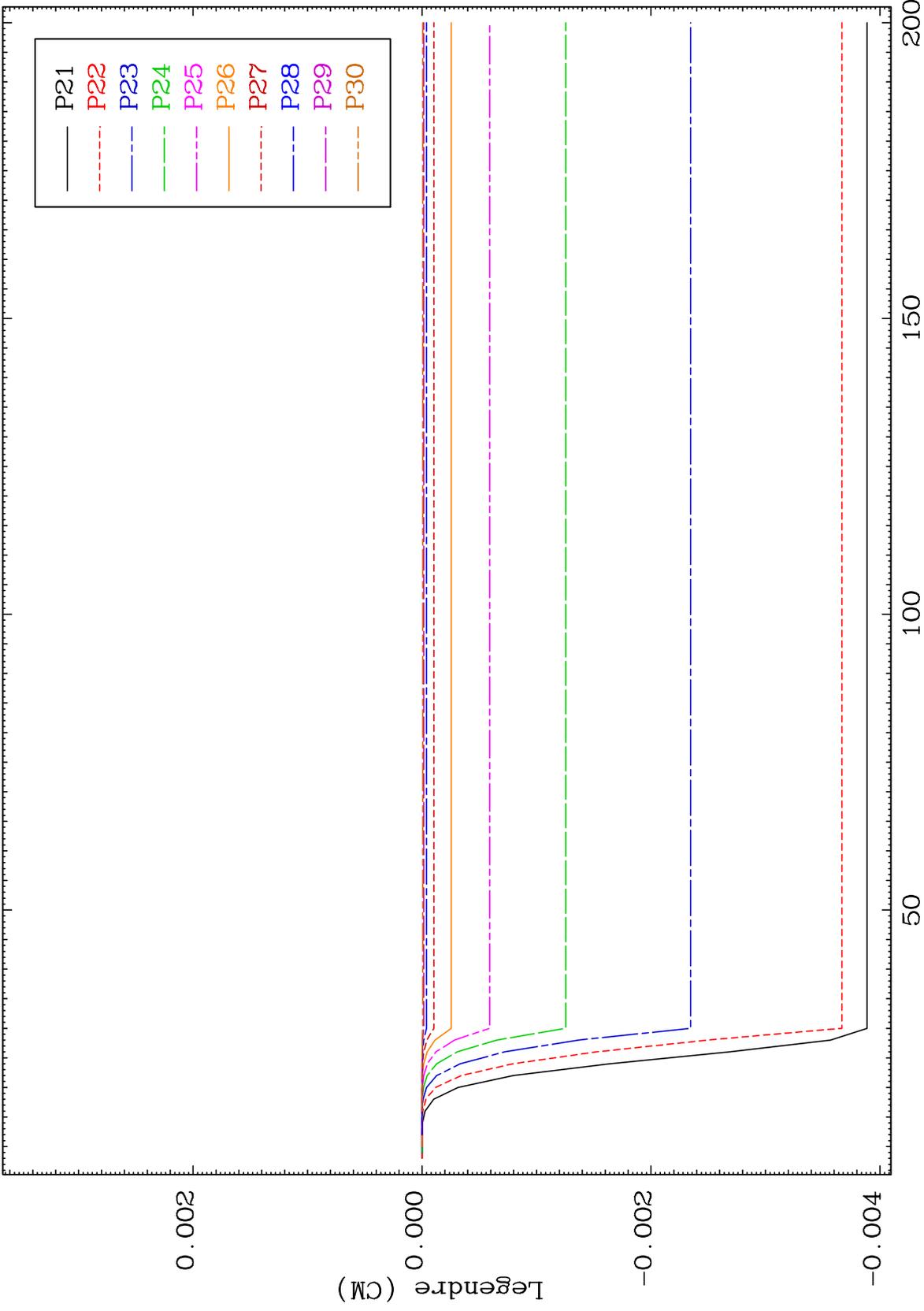
Incident Energy (MeV)

84-Po-209

MAT 8434

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

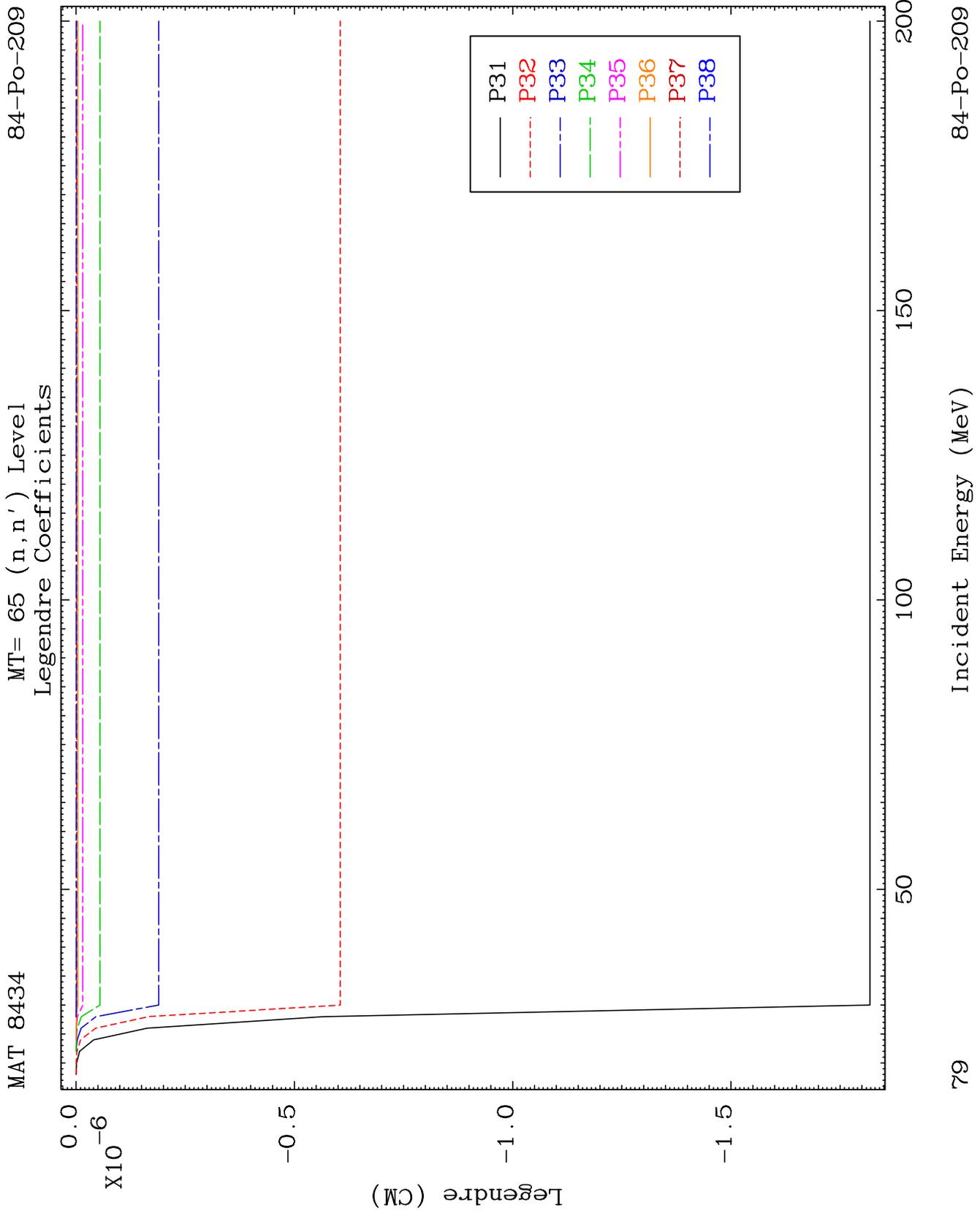
84-Po-209



78

Incident Energy (MeV)

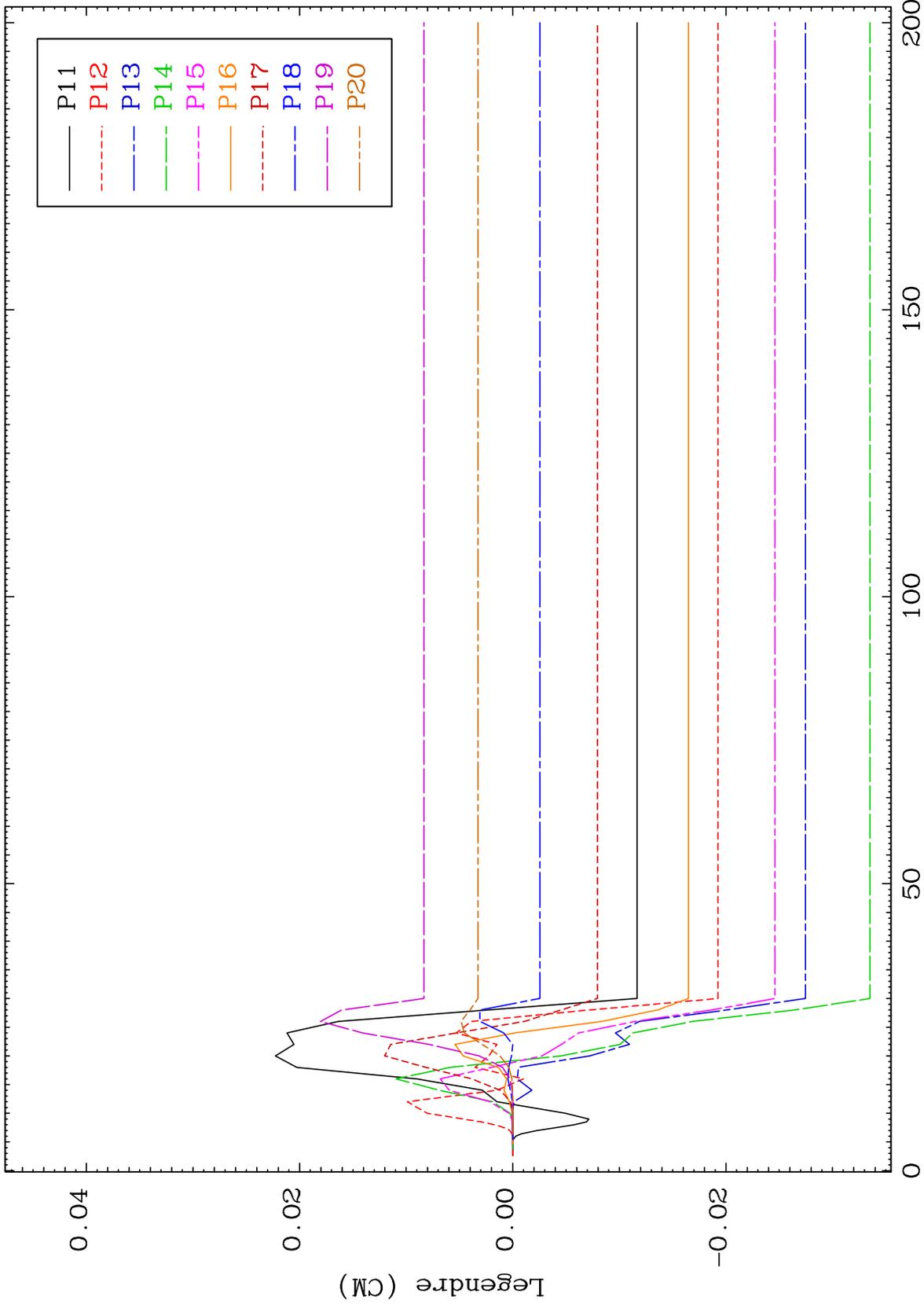
84-Po-209



MAT 8434

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

84-Po-209



81

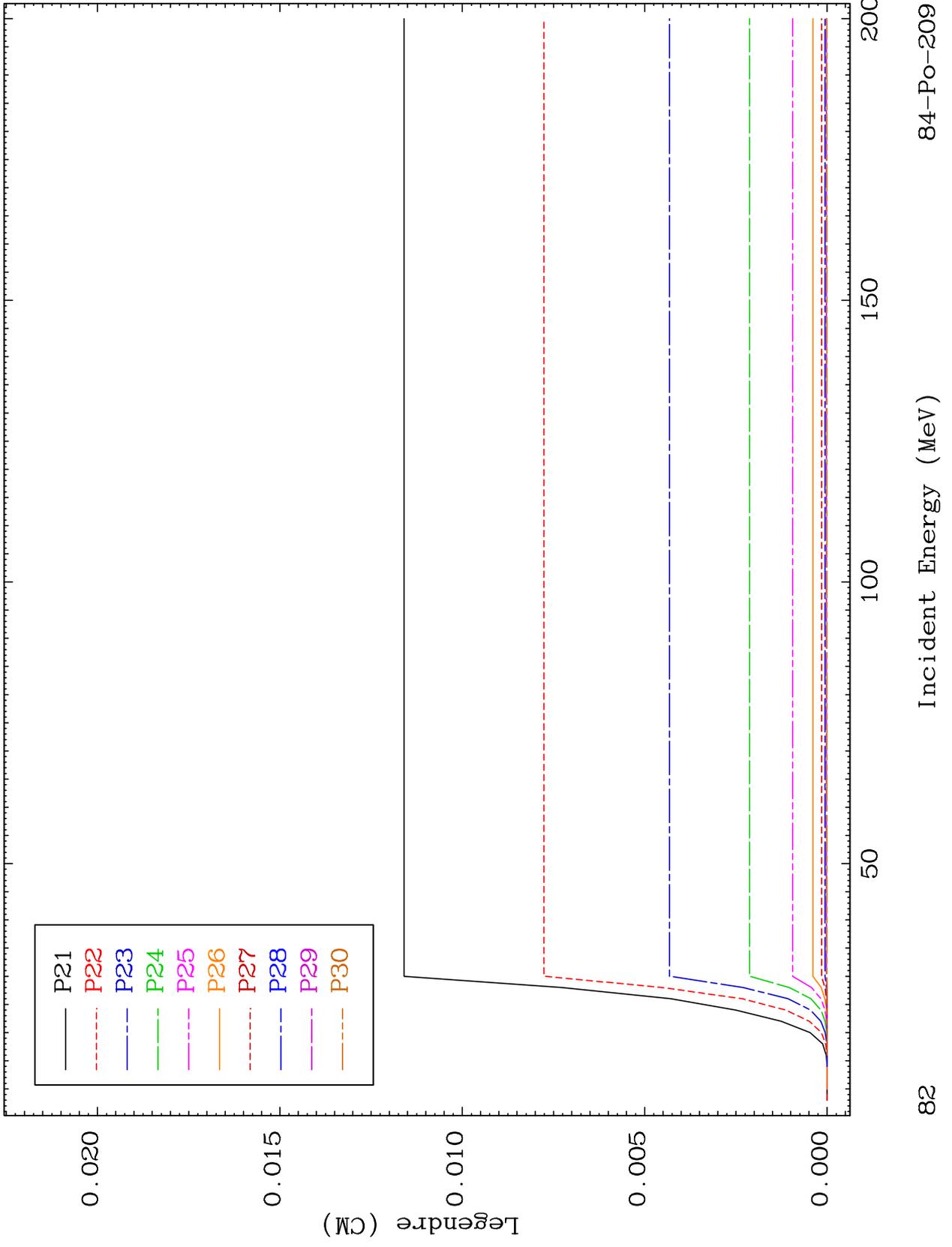
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



82

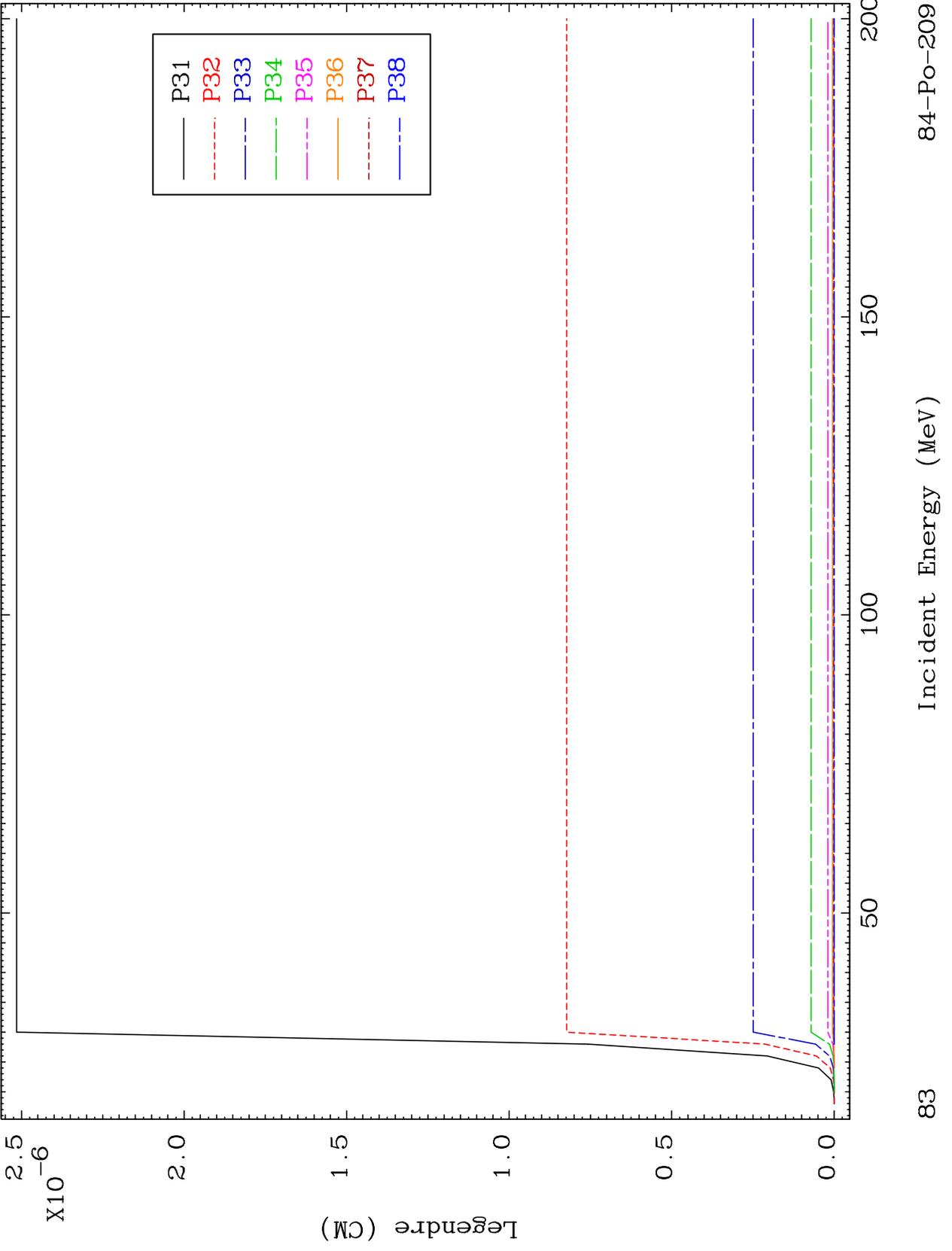
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



83

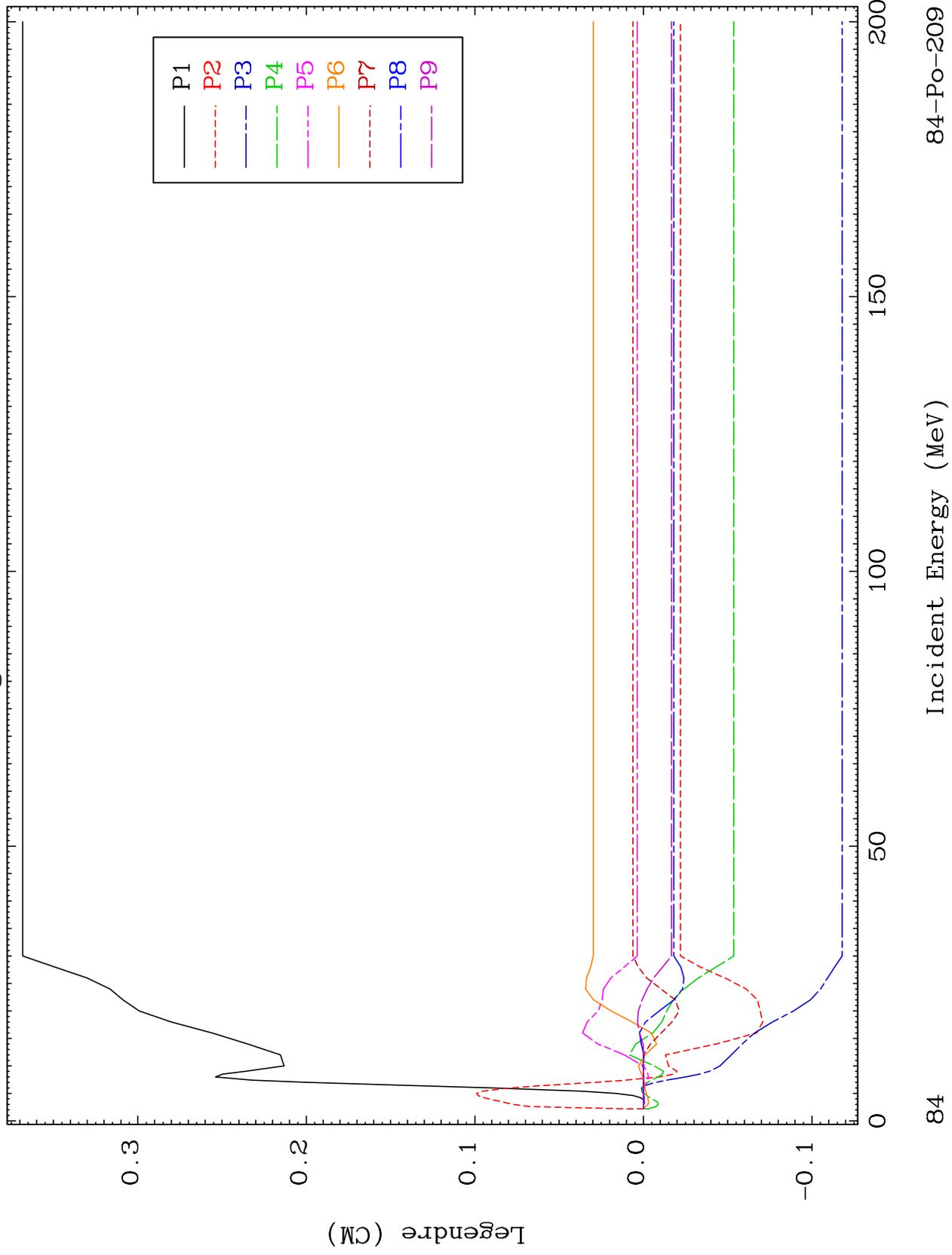
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



84-Po-209

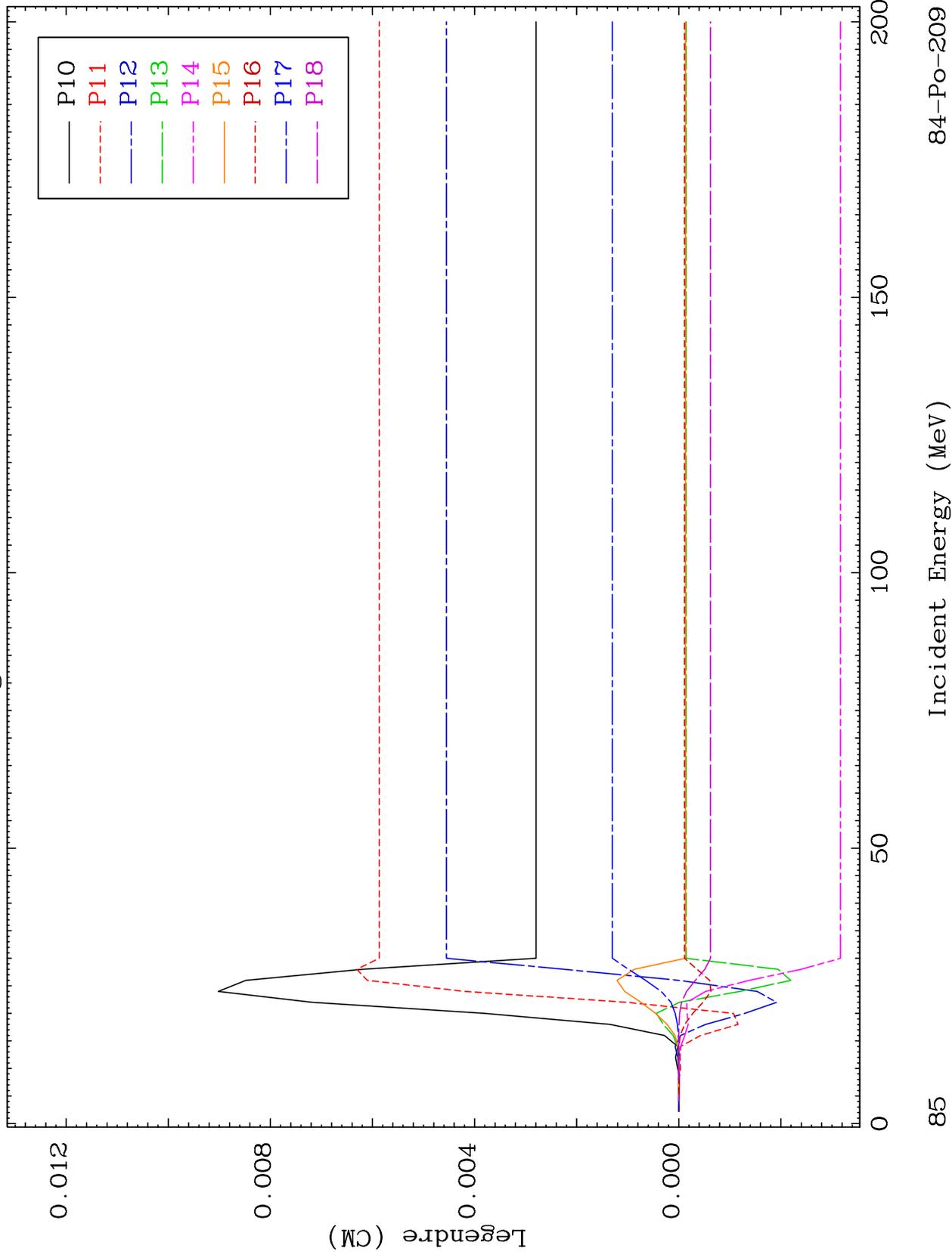
Incident Energy (MeV)

84

MAT 8434

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

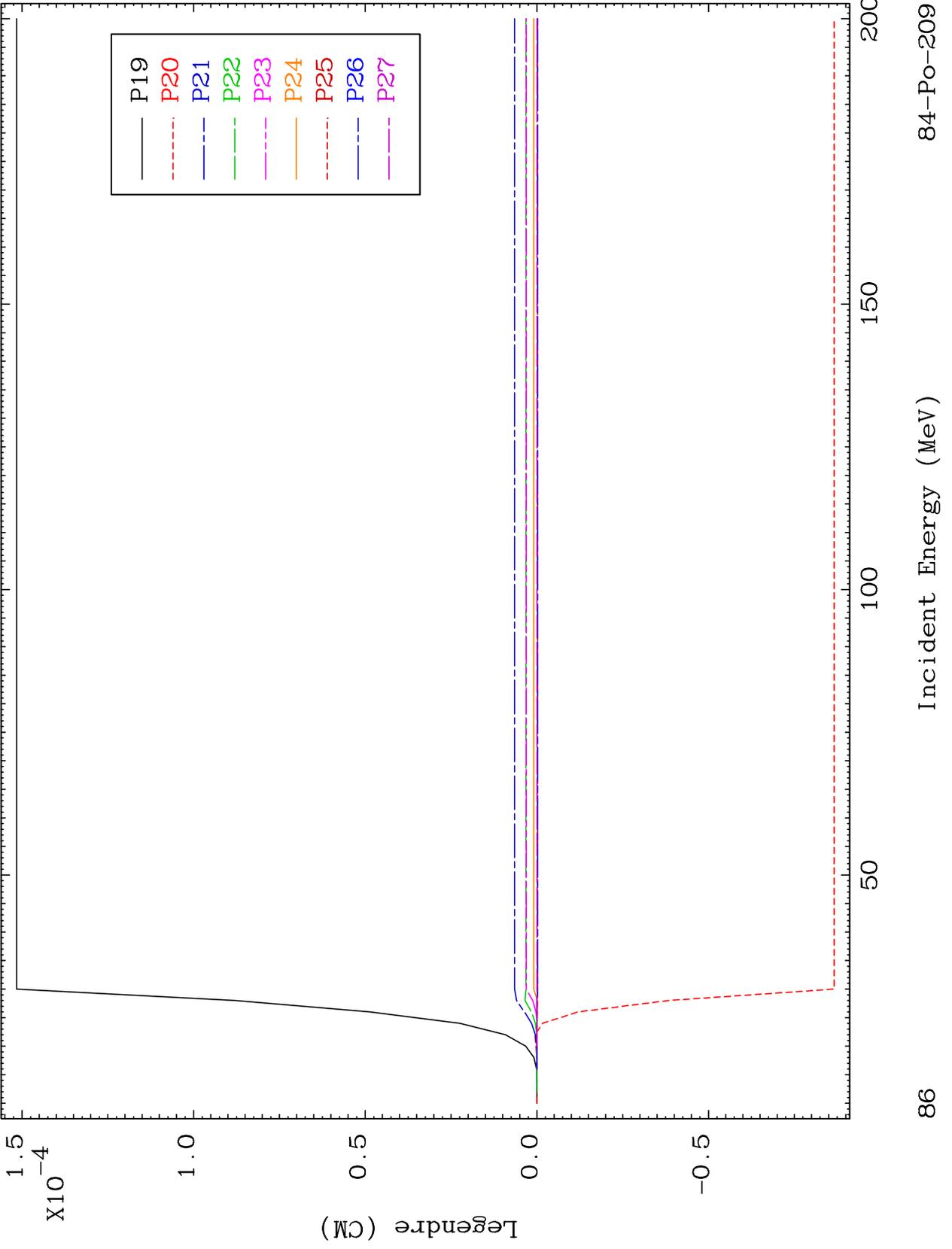
84-Po-209



85

Incident Energy (MeV)

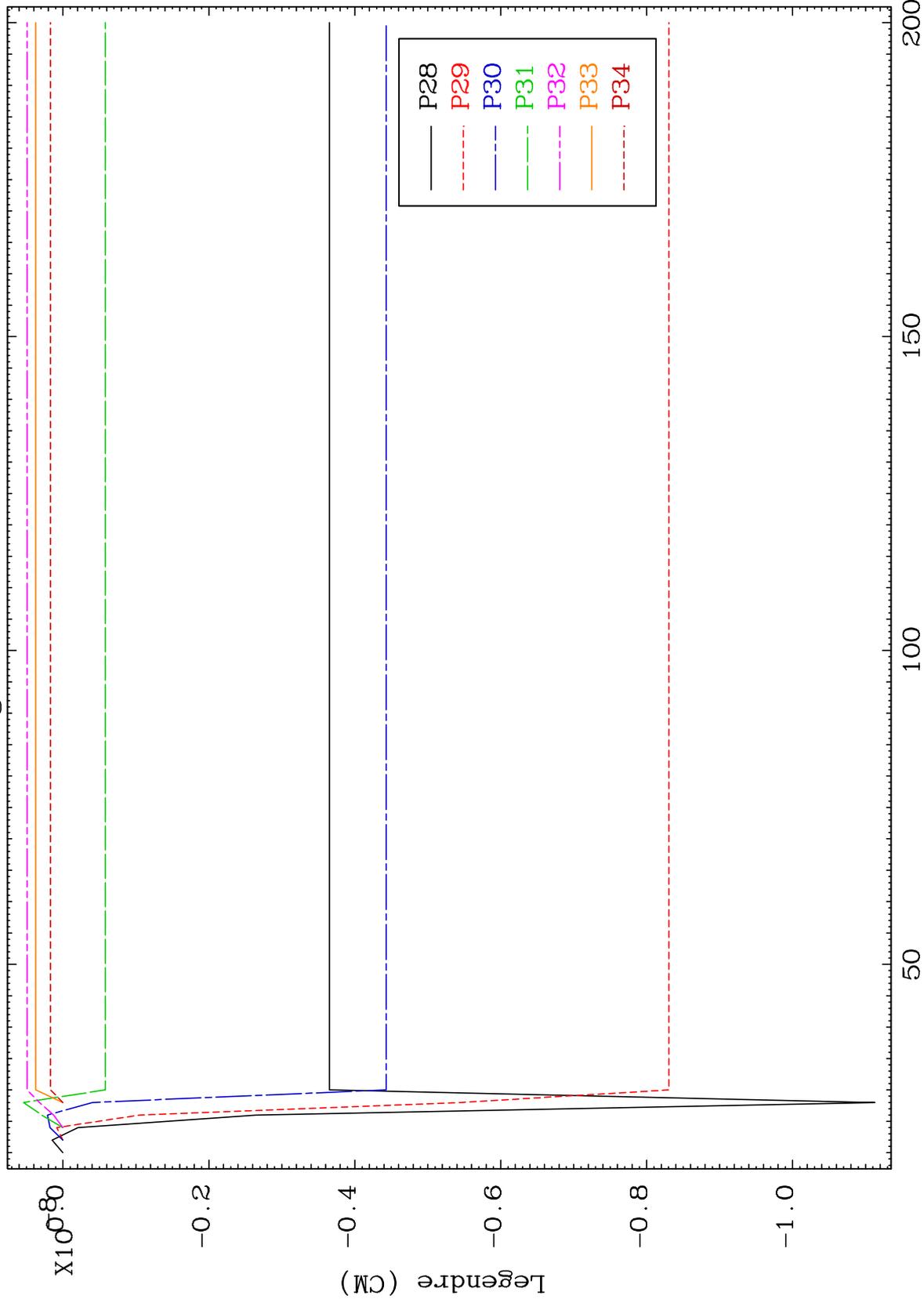
84-Po-209



MAT 8434

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

84-Po-209



87

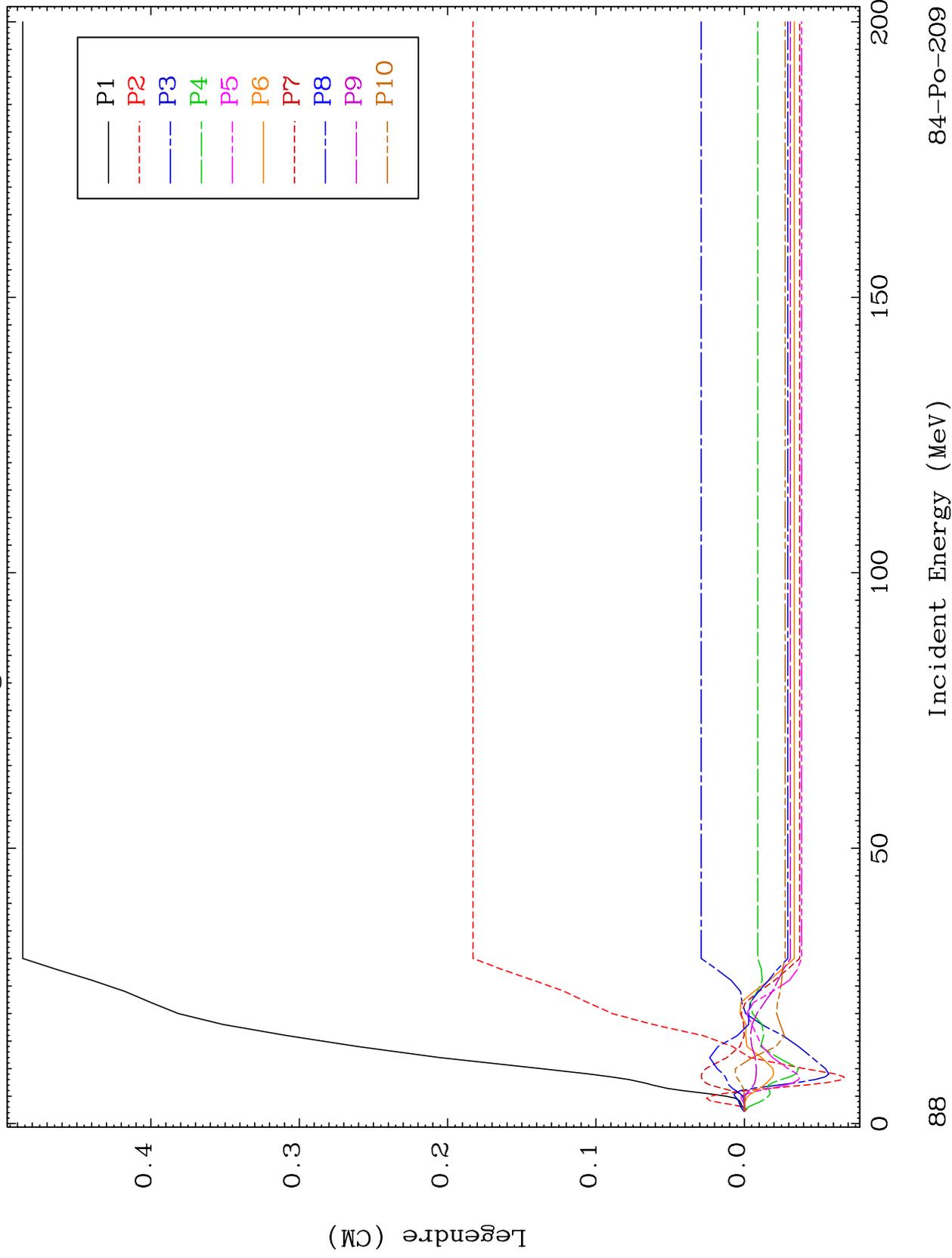
Incident Energy (MeV)

84-Po-209

MAT 8434

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

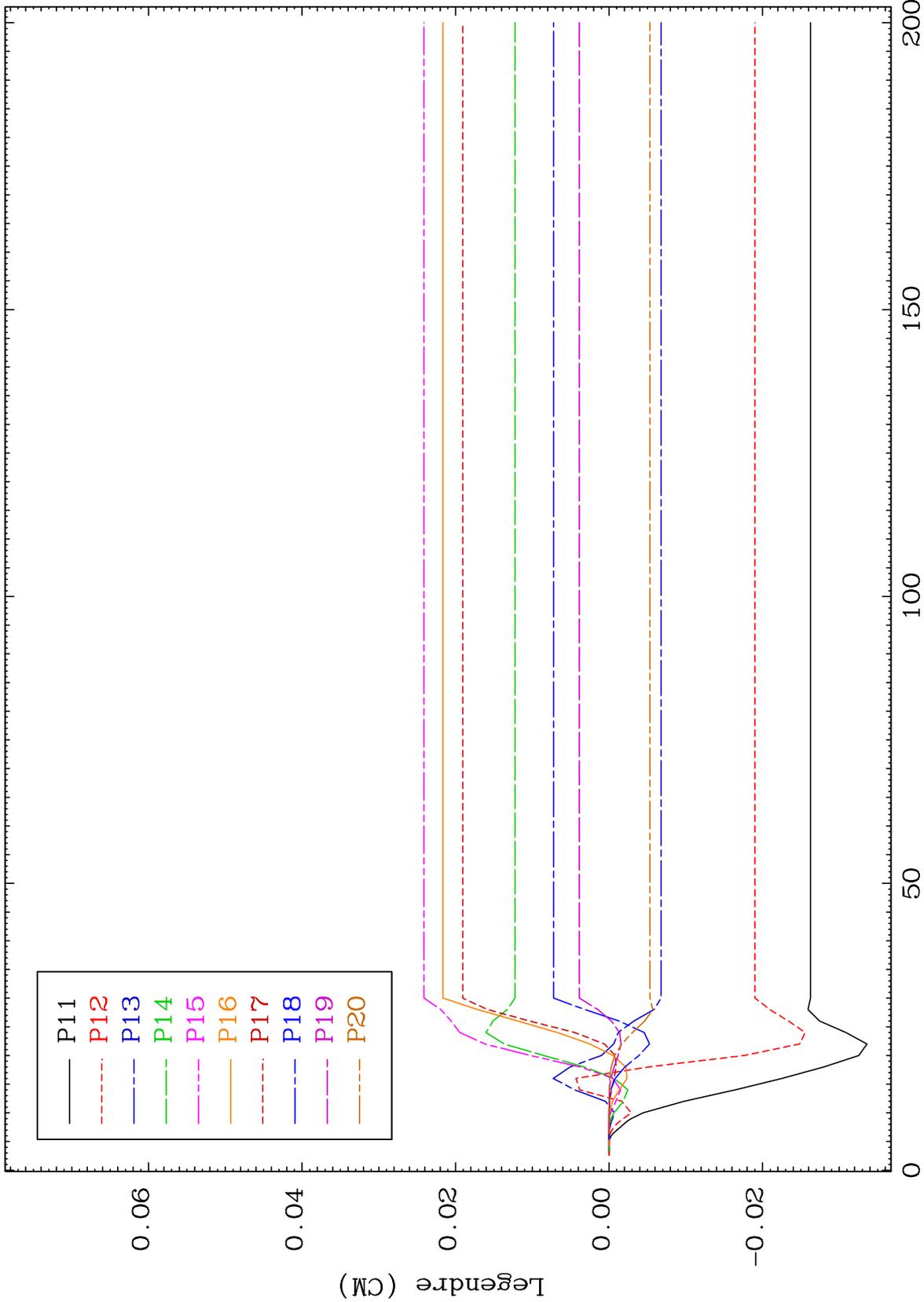
84-Po-209



MAT 8434

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

84-Po-209



89

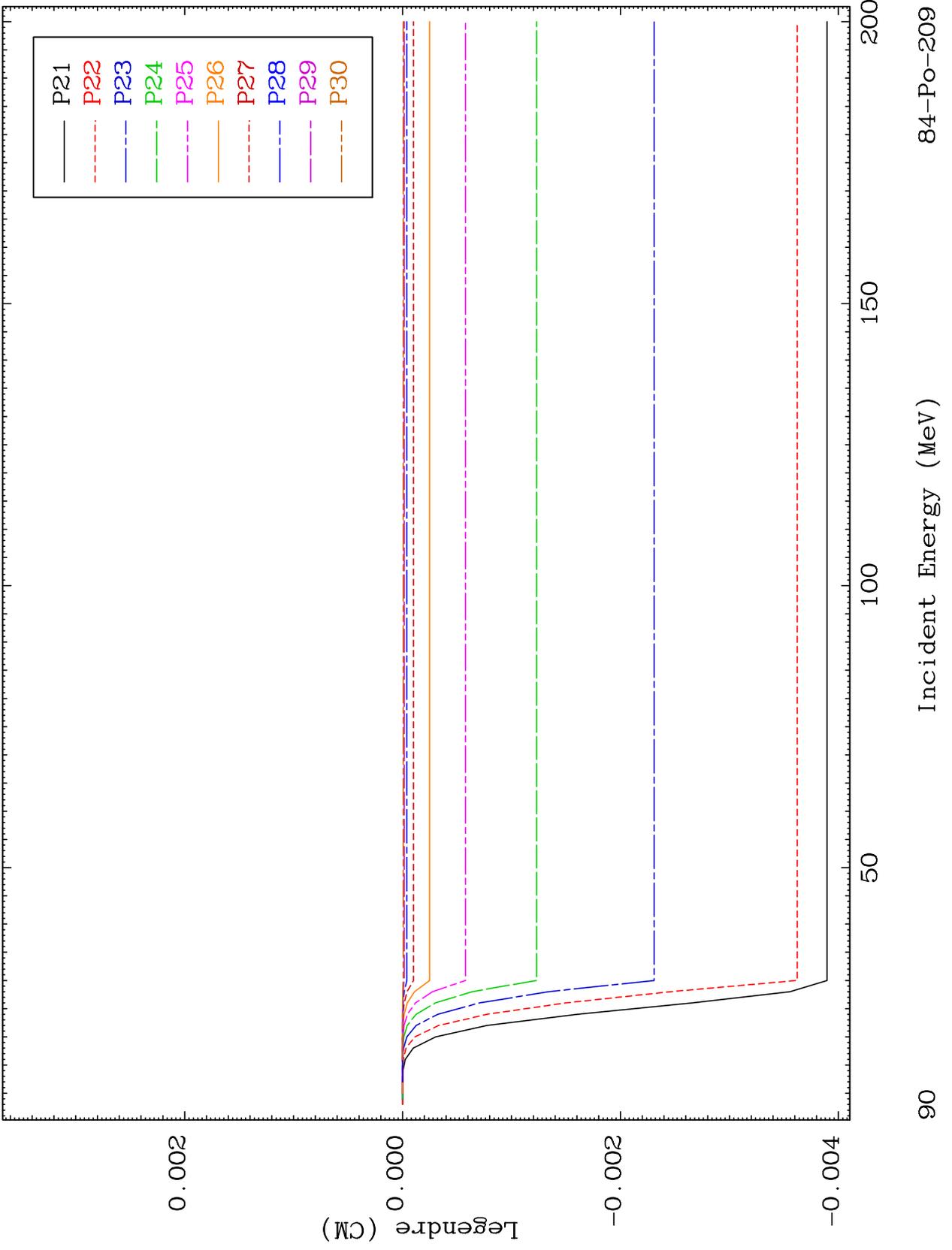
Incident Energy (MeV)

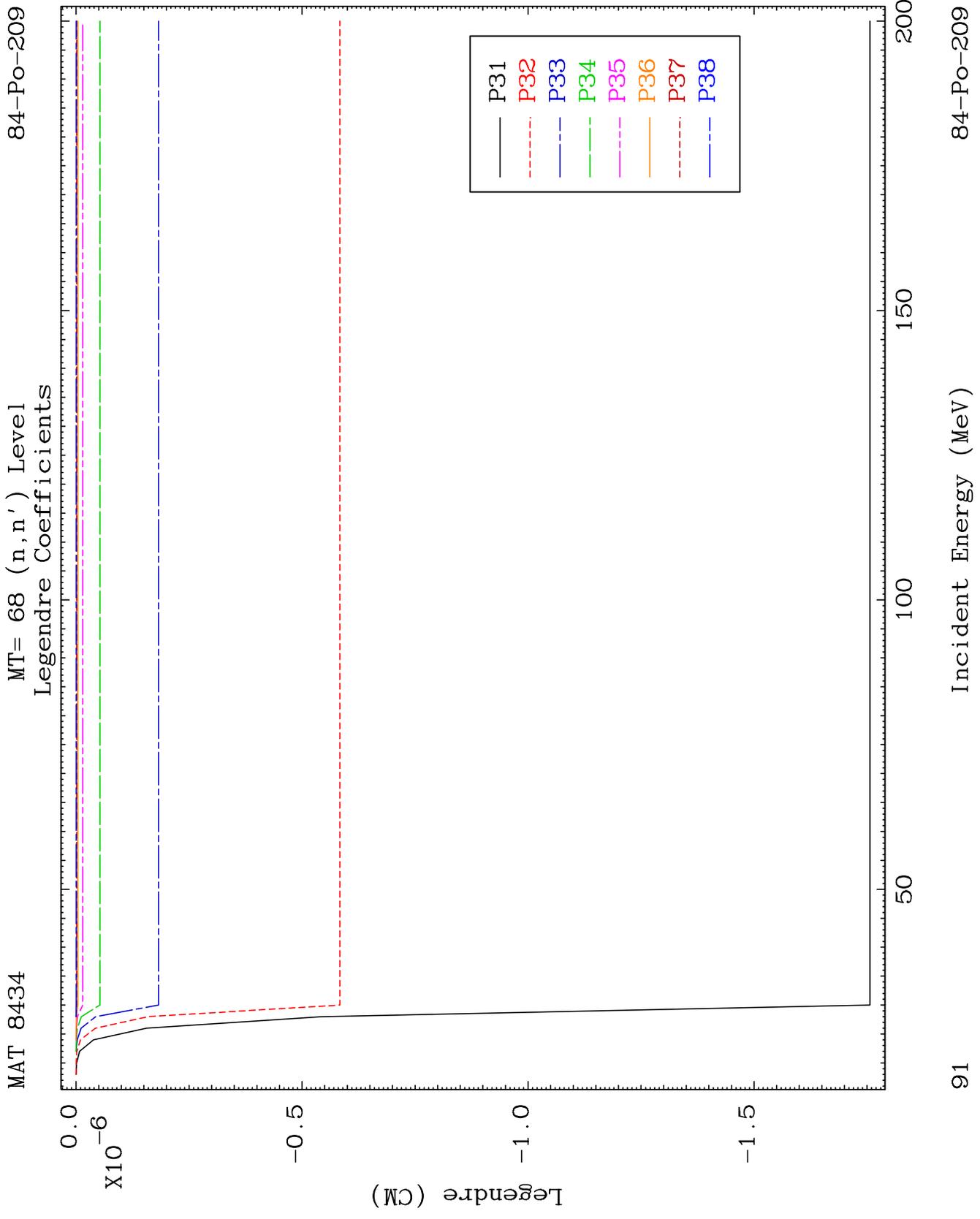
84-Po-209

MAT 8434

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

84-Po-209

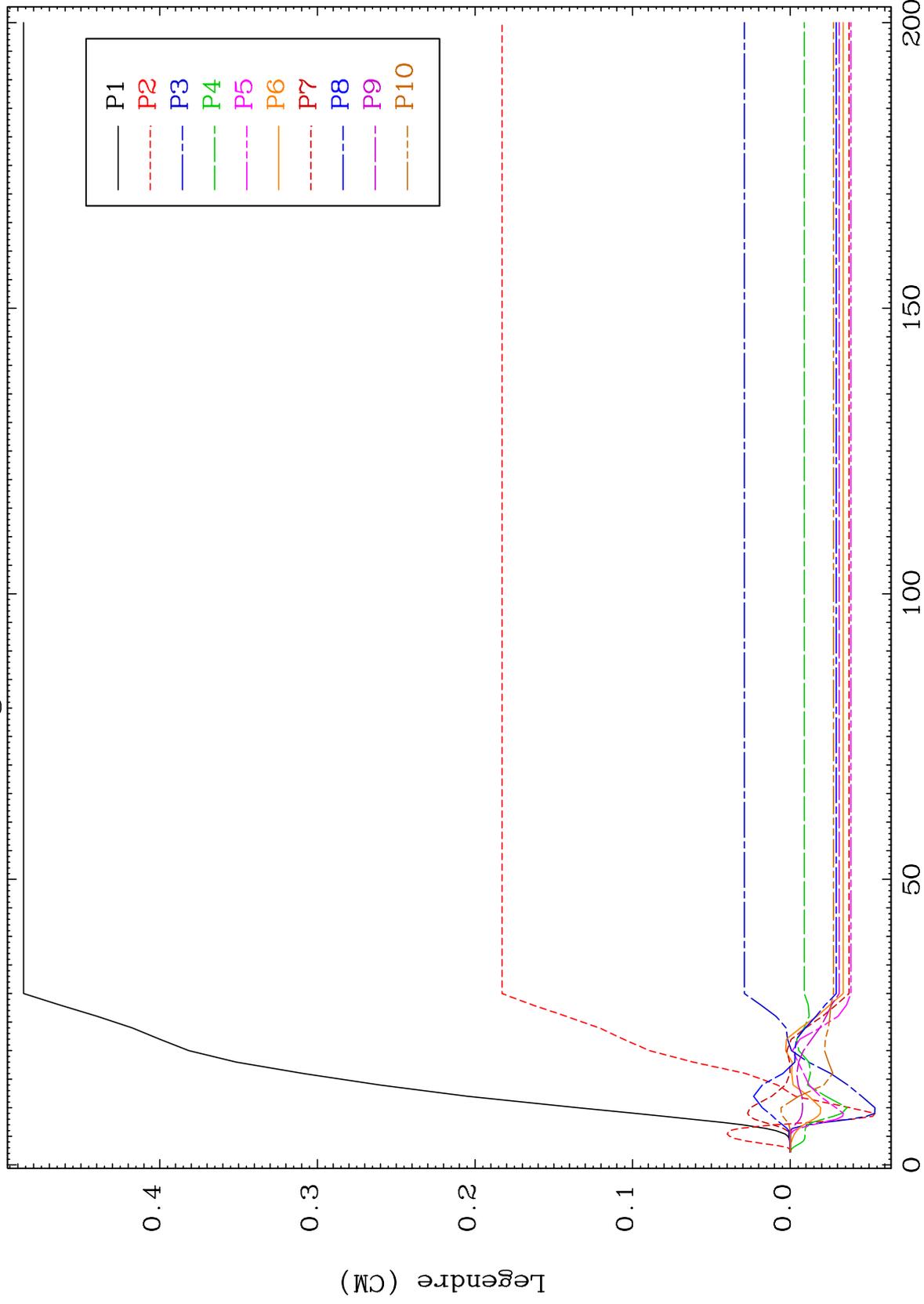




MAT 8434

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

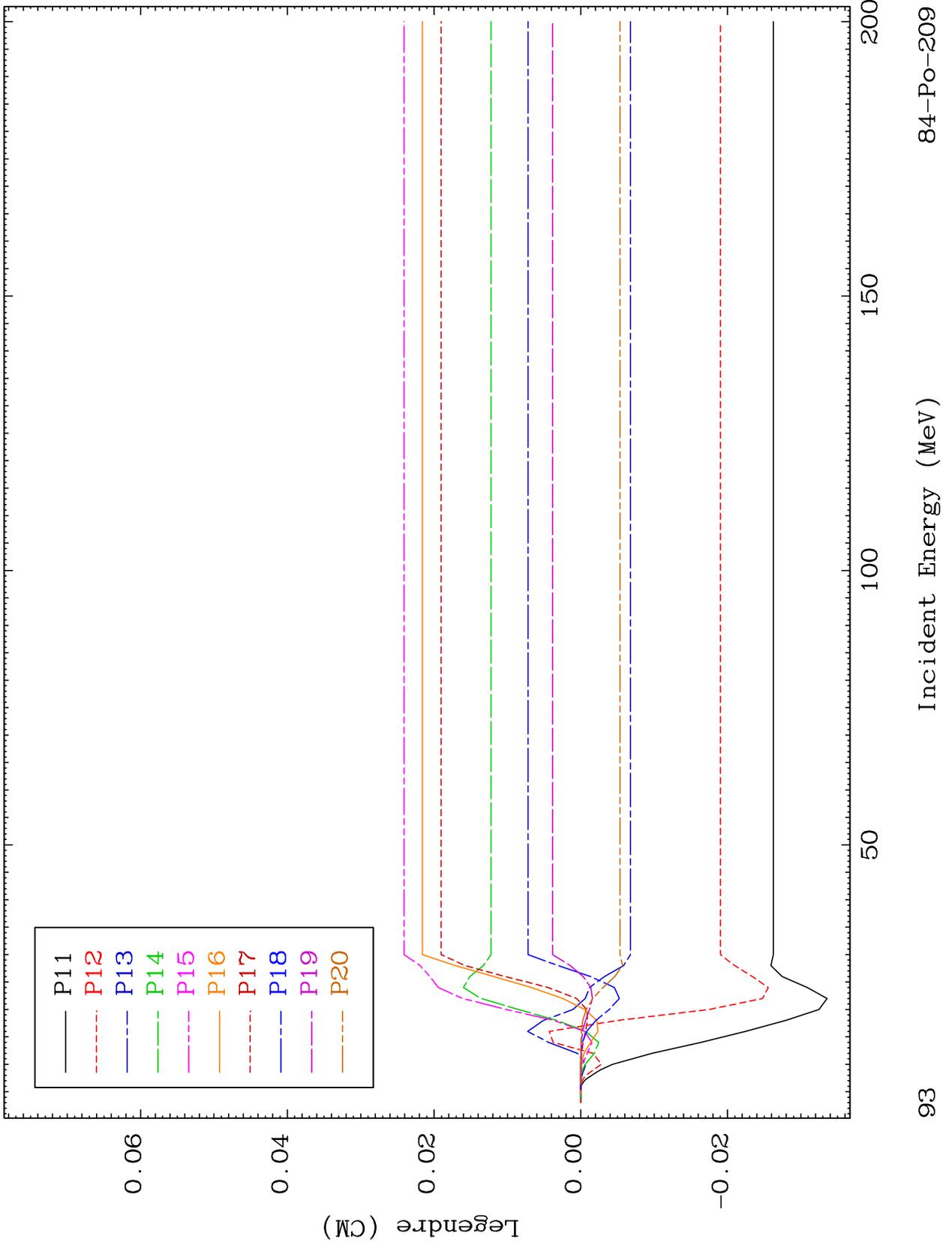
84-Po-209



92

Incident Energy (MeV)

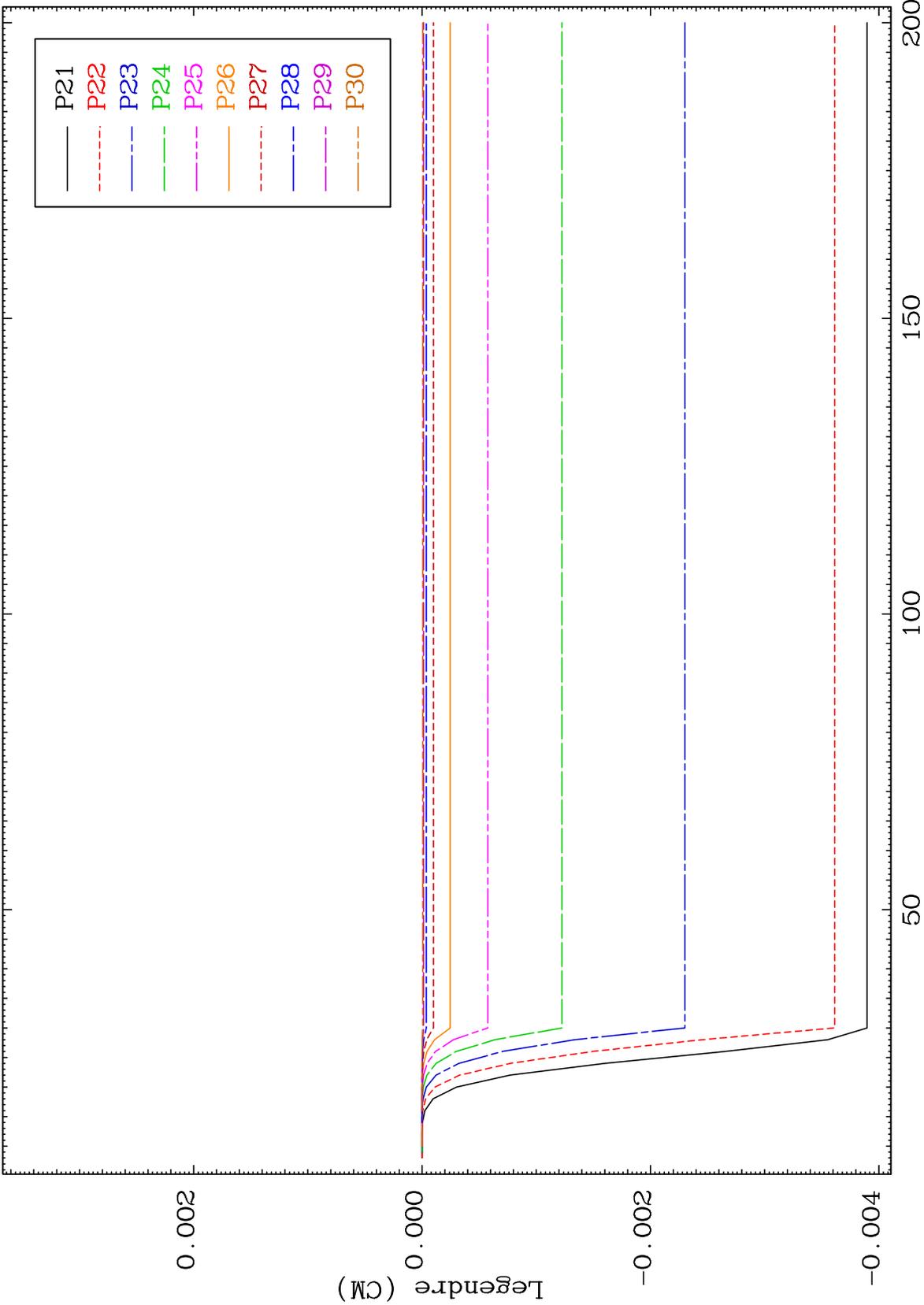
84-Po-209



MAT 8434

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

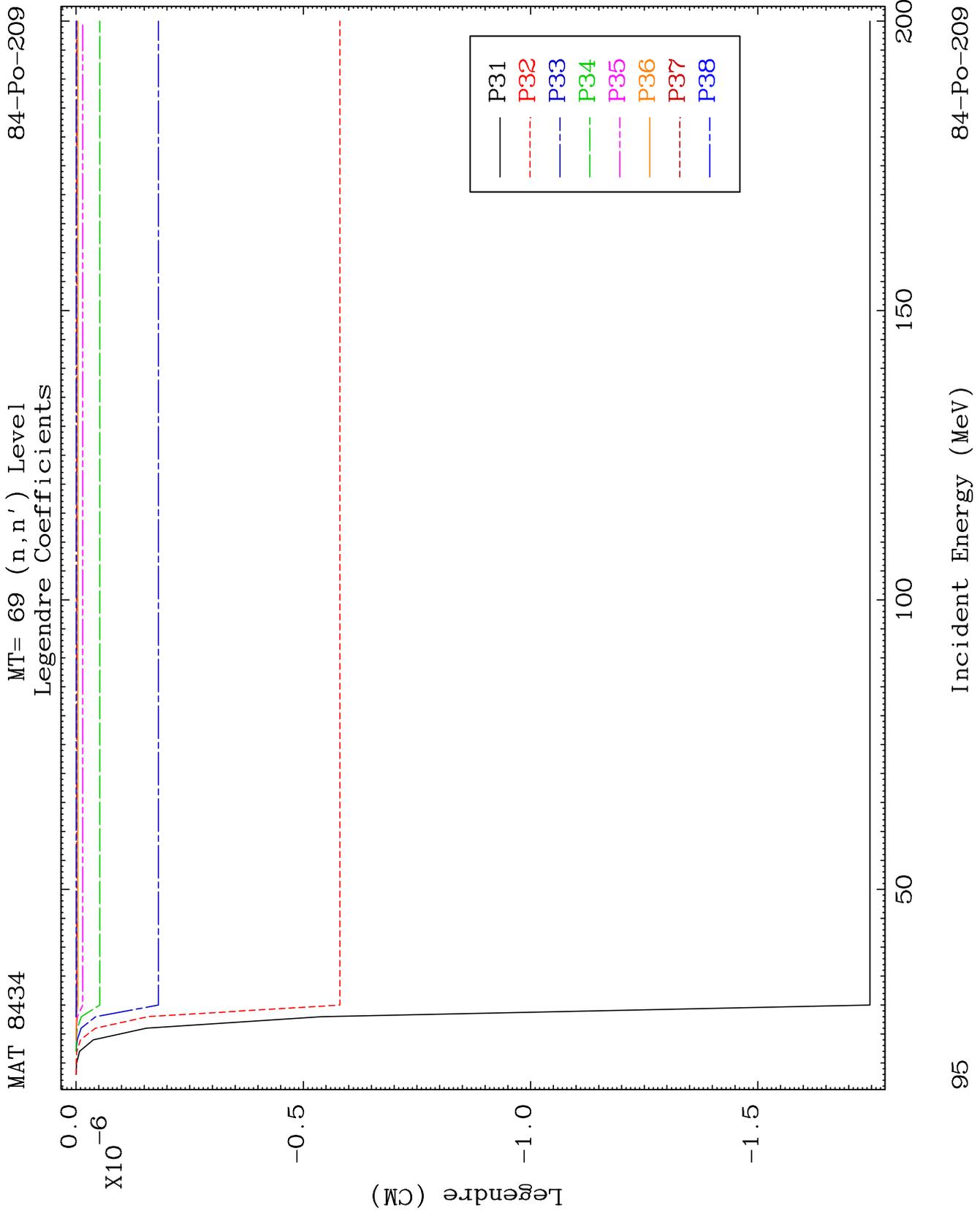
84-Po-209



94

Incident Energy (MeV)

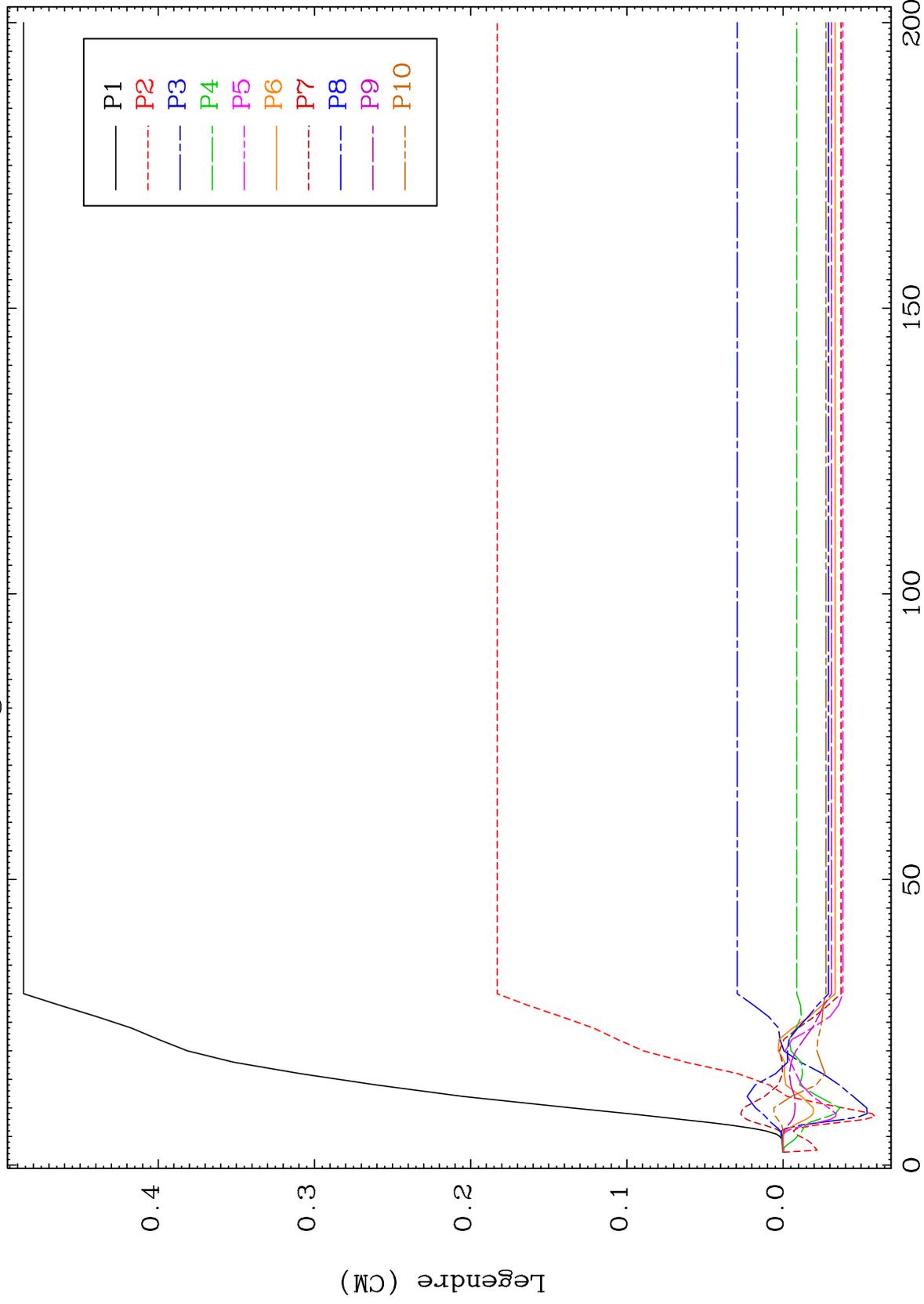
84-Po-209



MAT 8434

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

84-Po-209



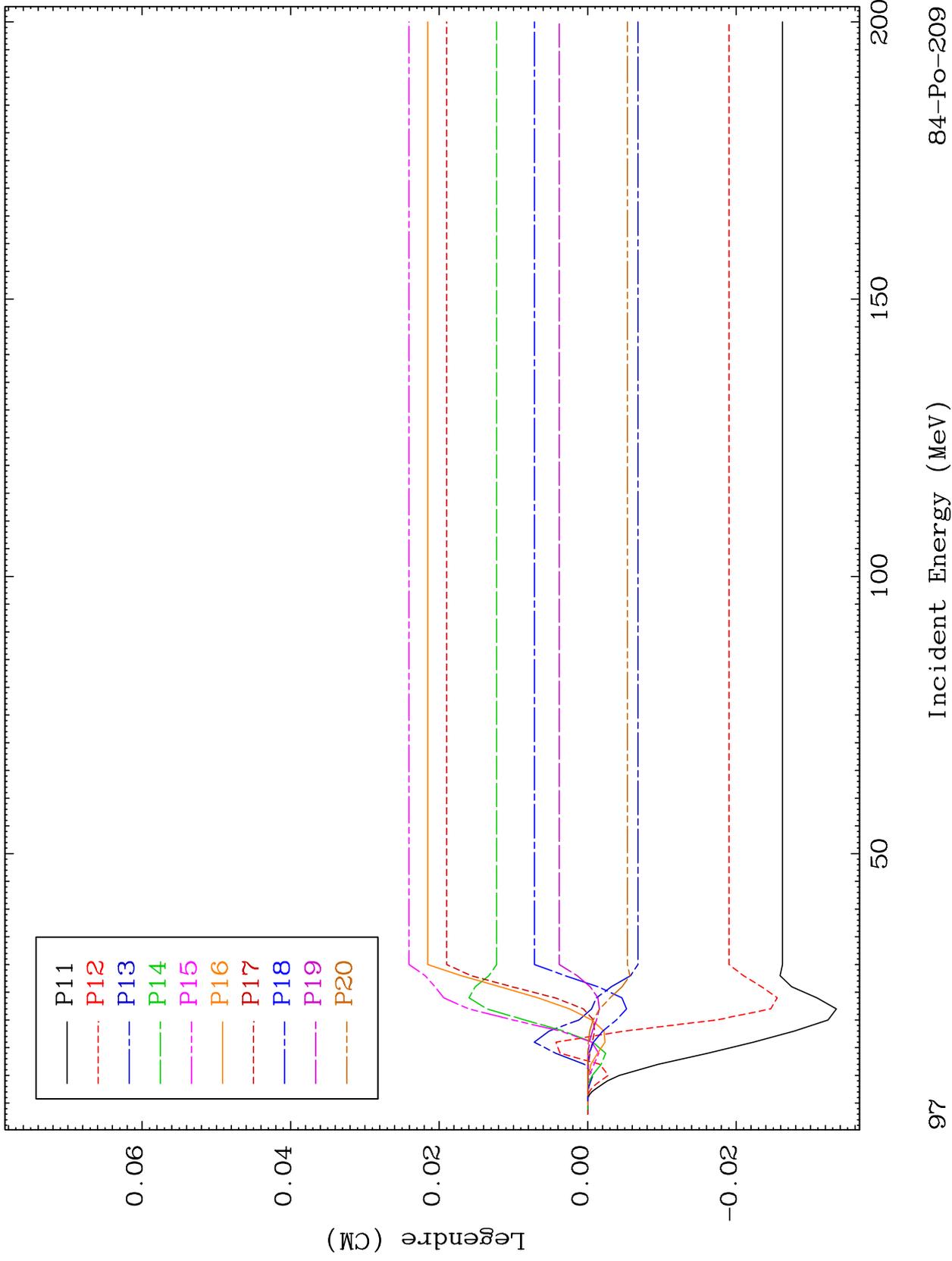
96

84-Po-209

MAT 8434

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

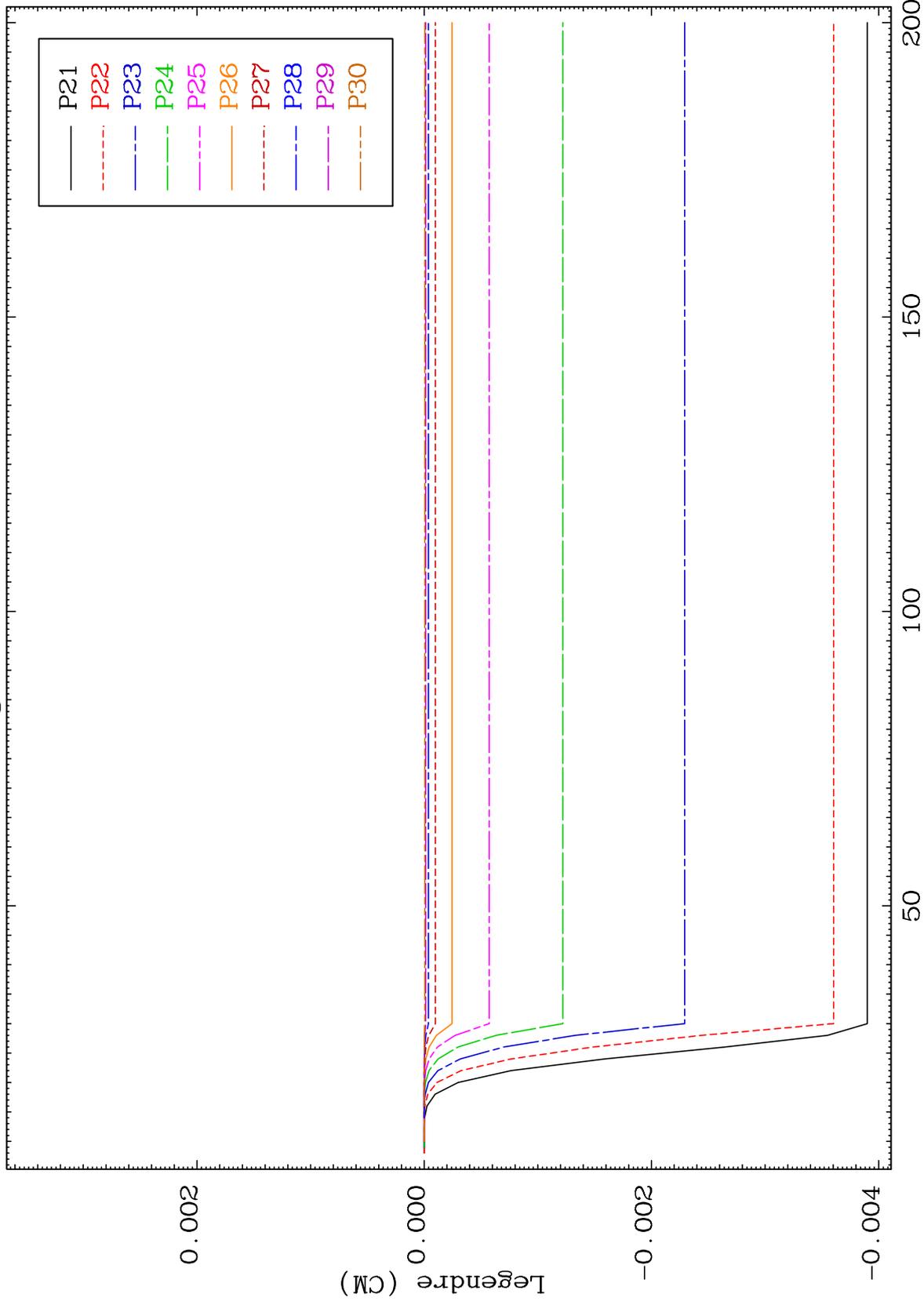
84-Po-209



MAT 8434

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

84-Po-209



98

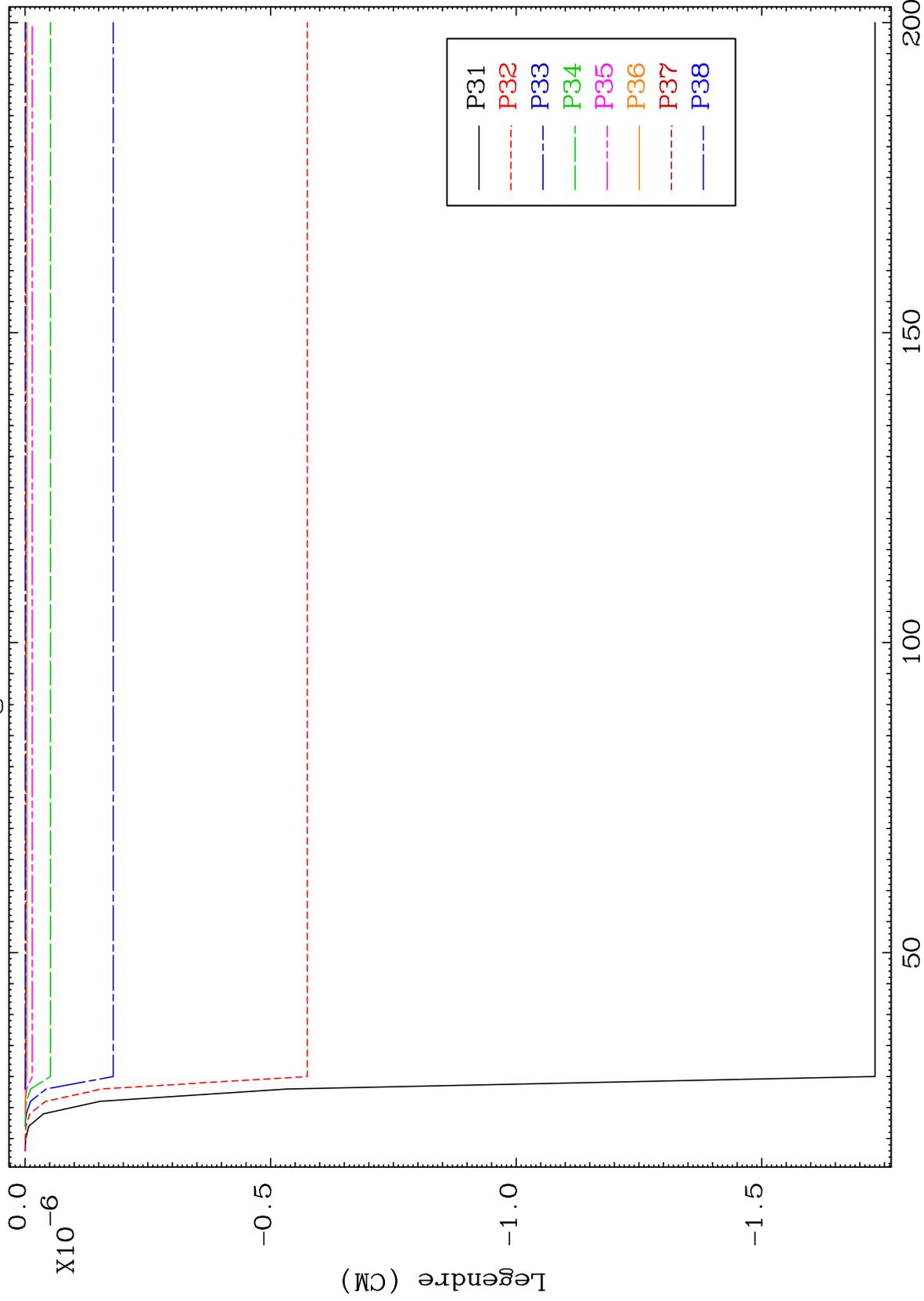
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



99

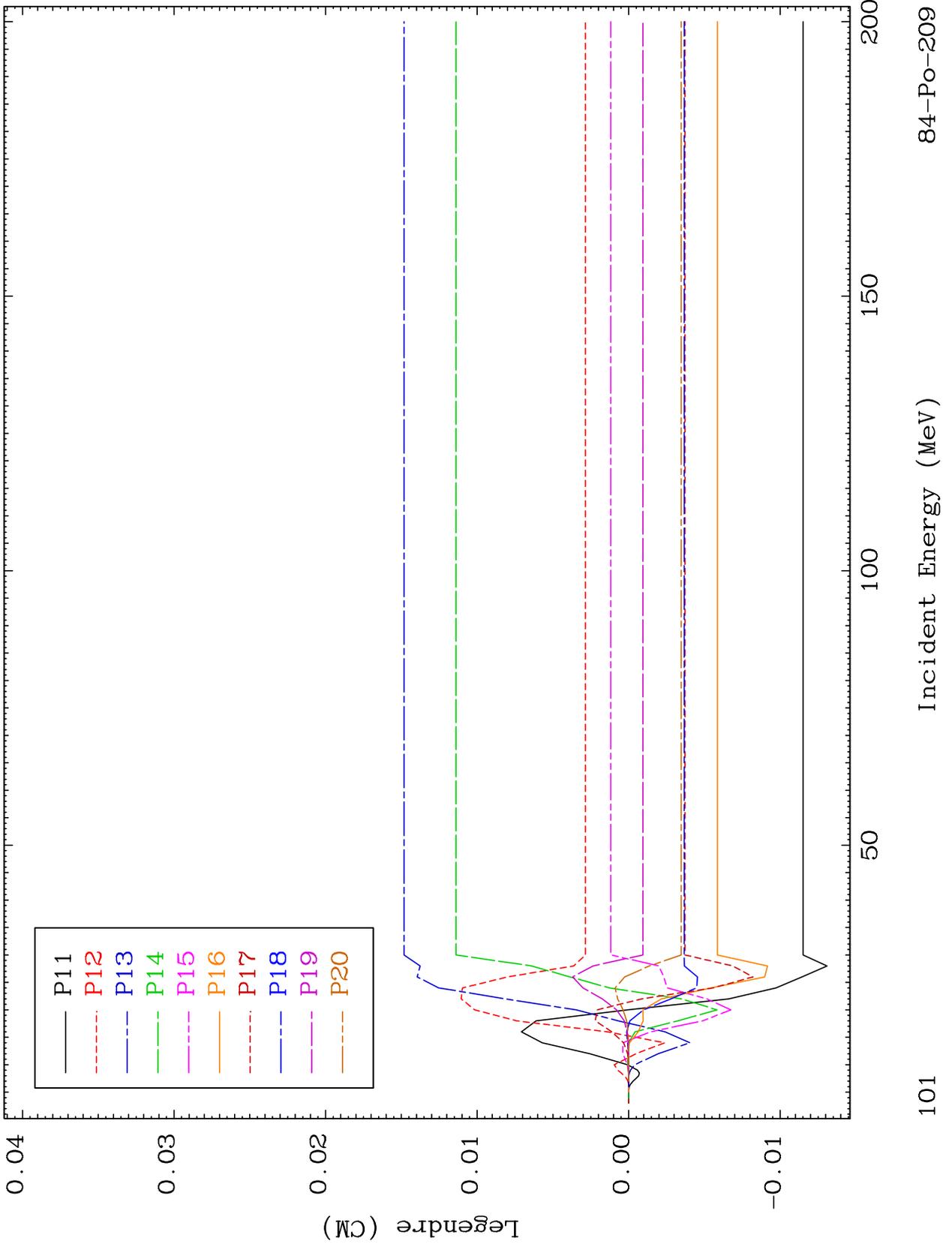
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



101

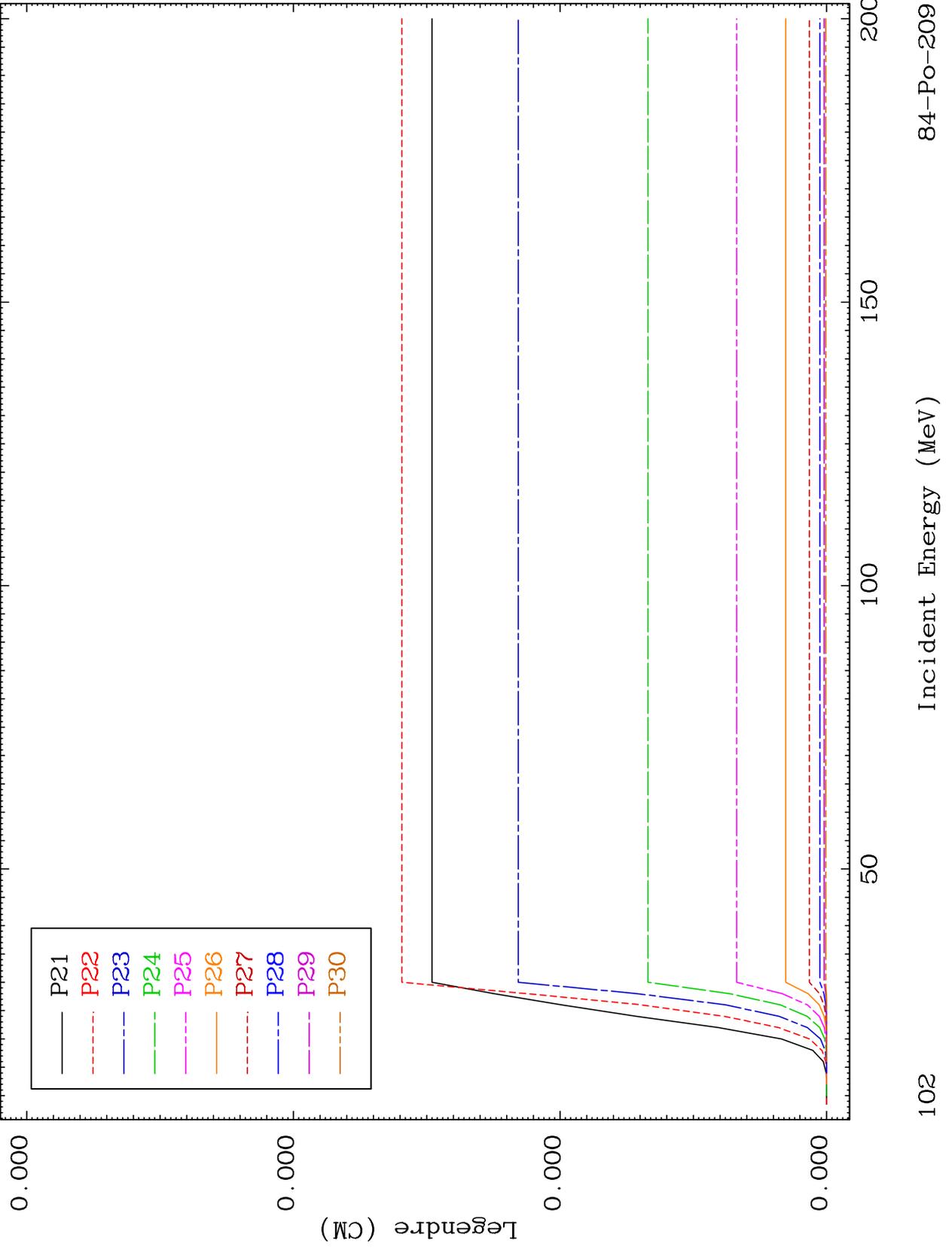
Incident Energy (MeV)

84-Po-209

MAT 8434

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

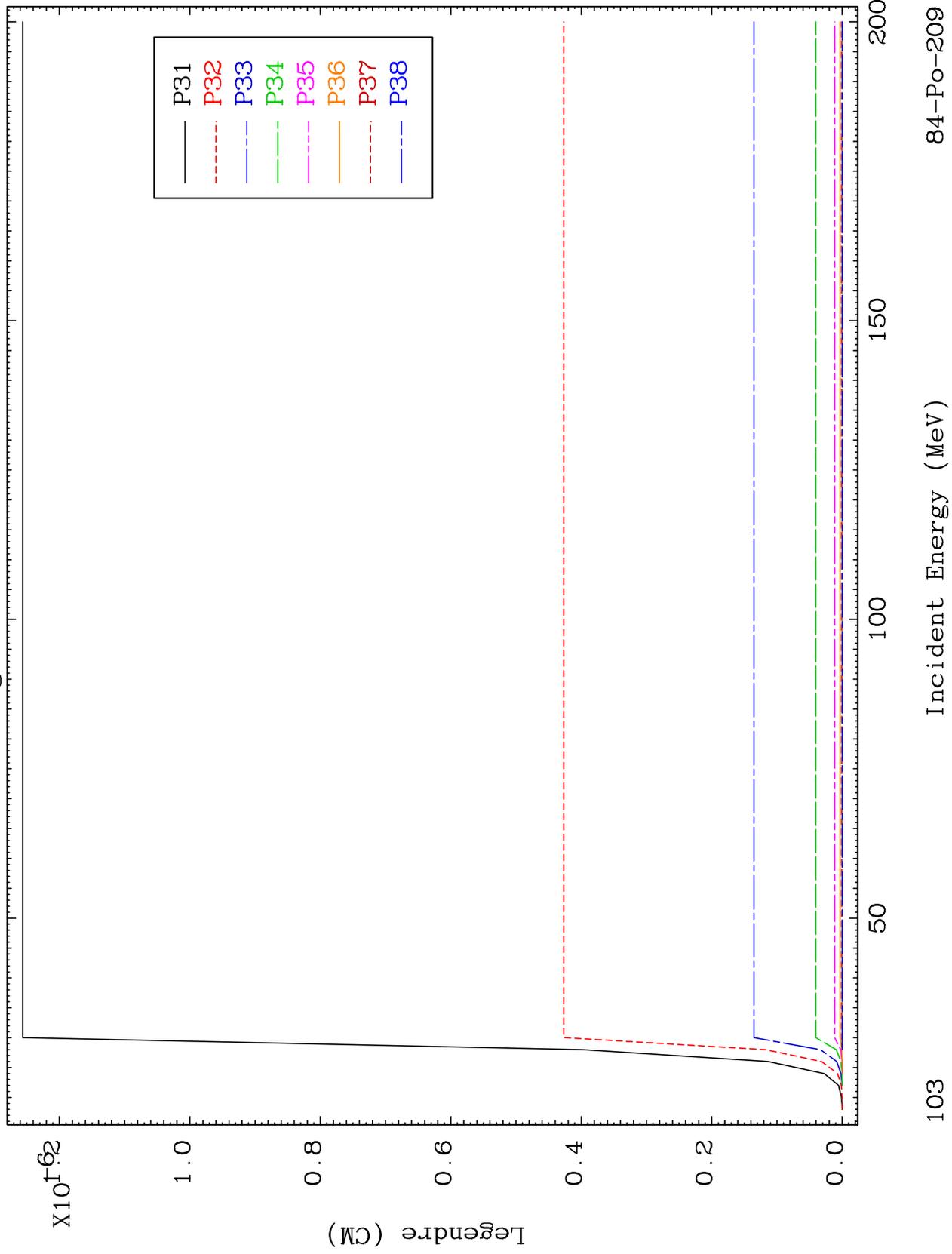
84-Po-209



MAT 8434

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

84-Po-209



103

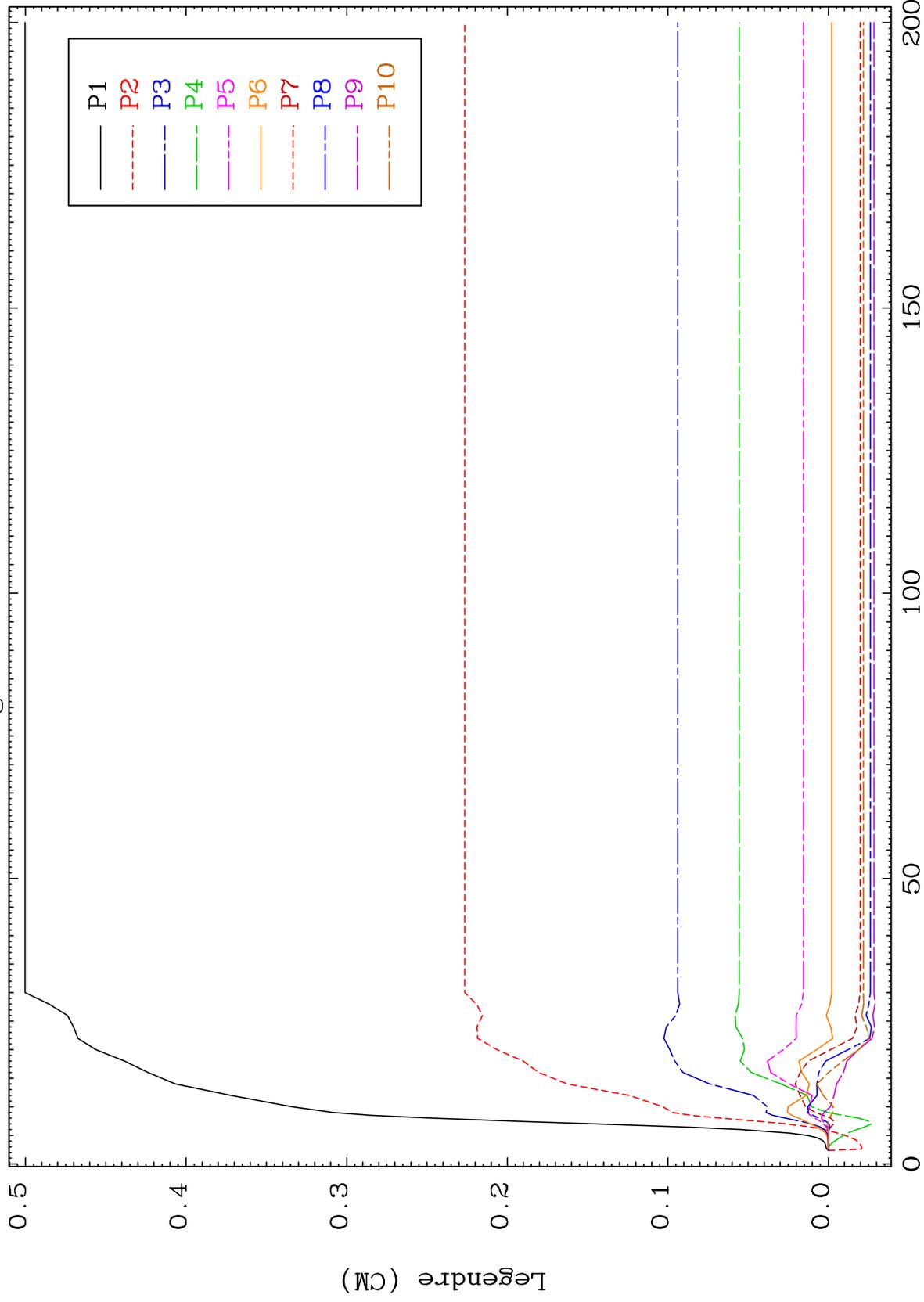
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



104

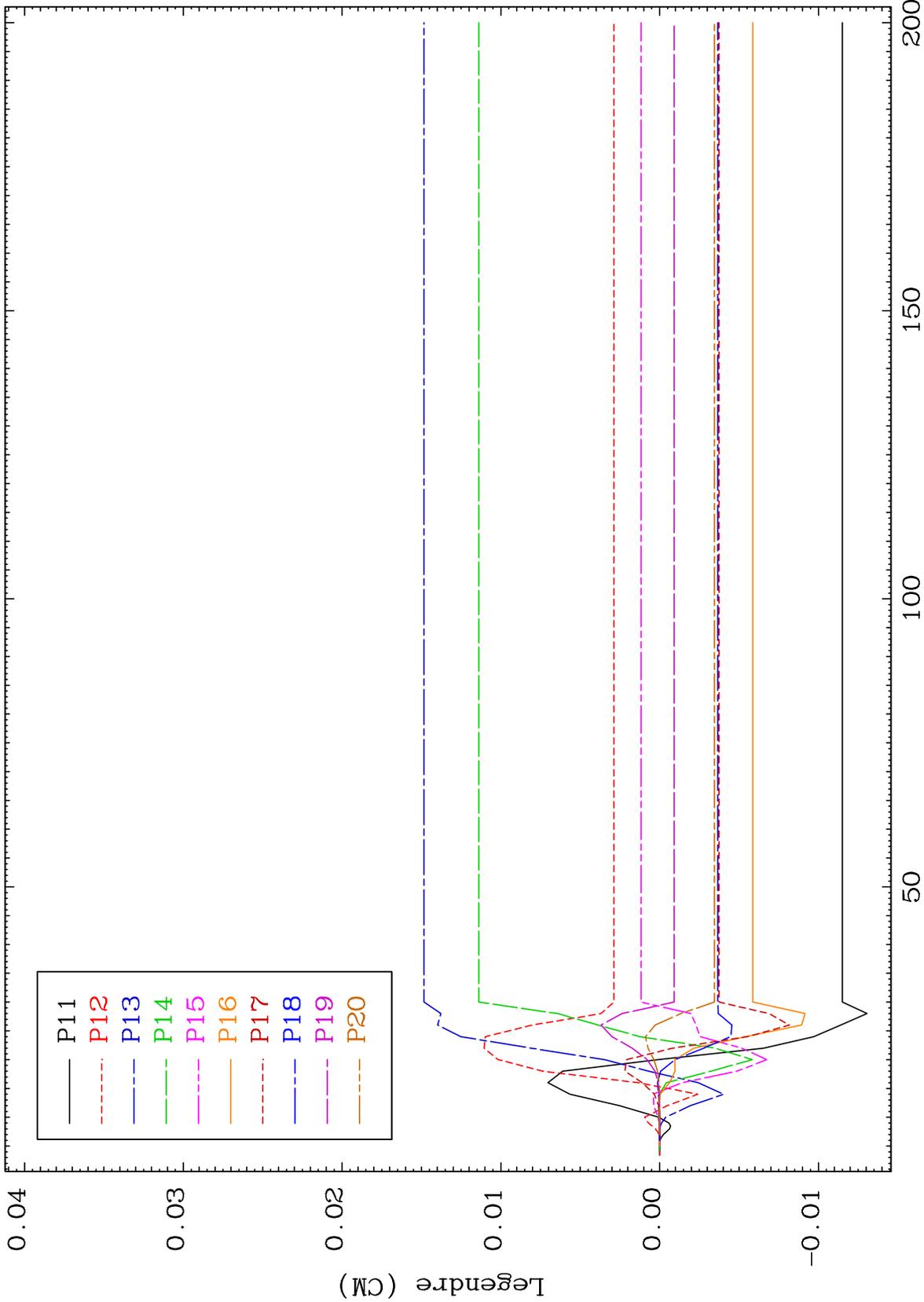
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



105

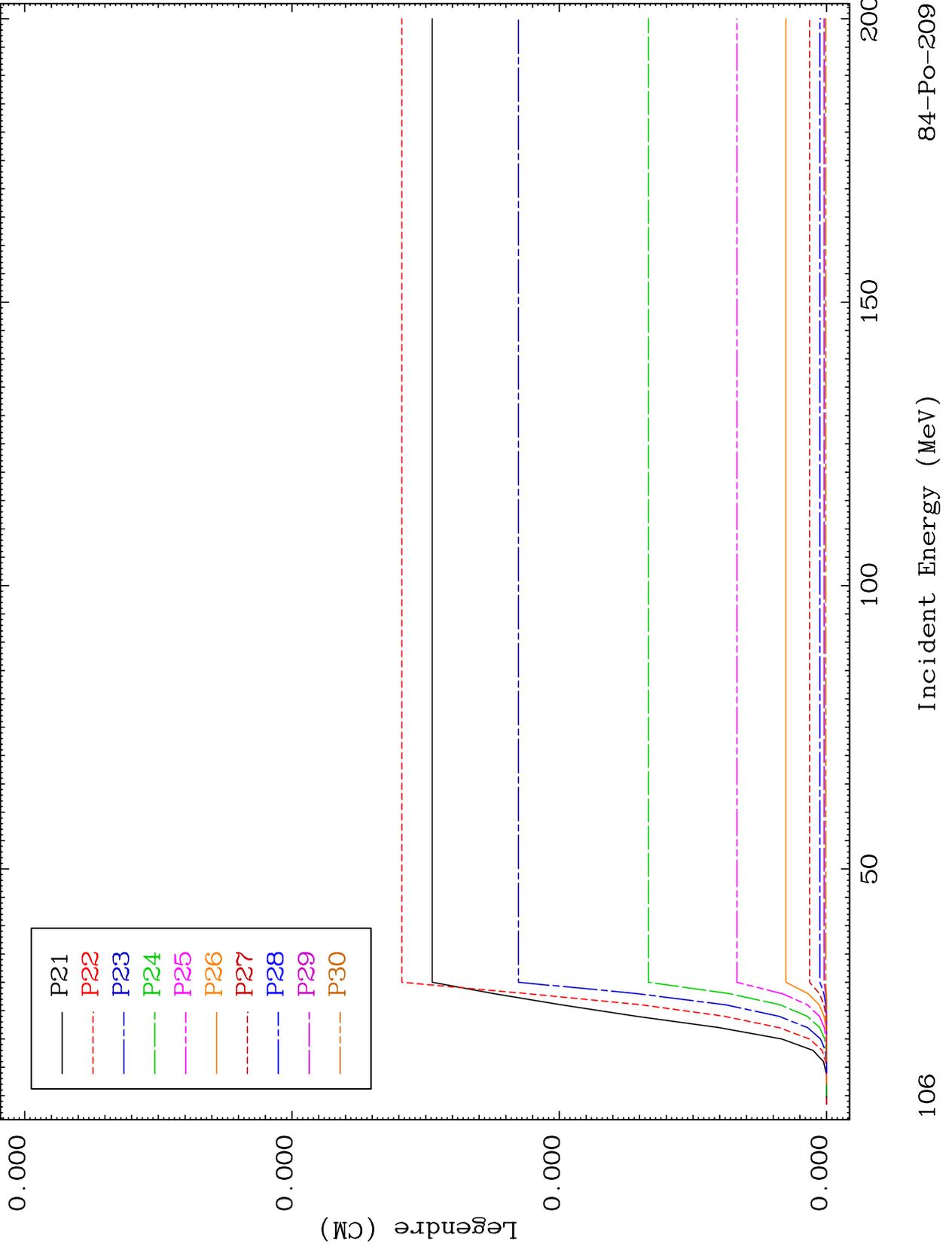
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



106

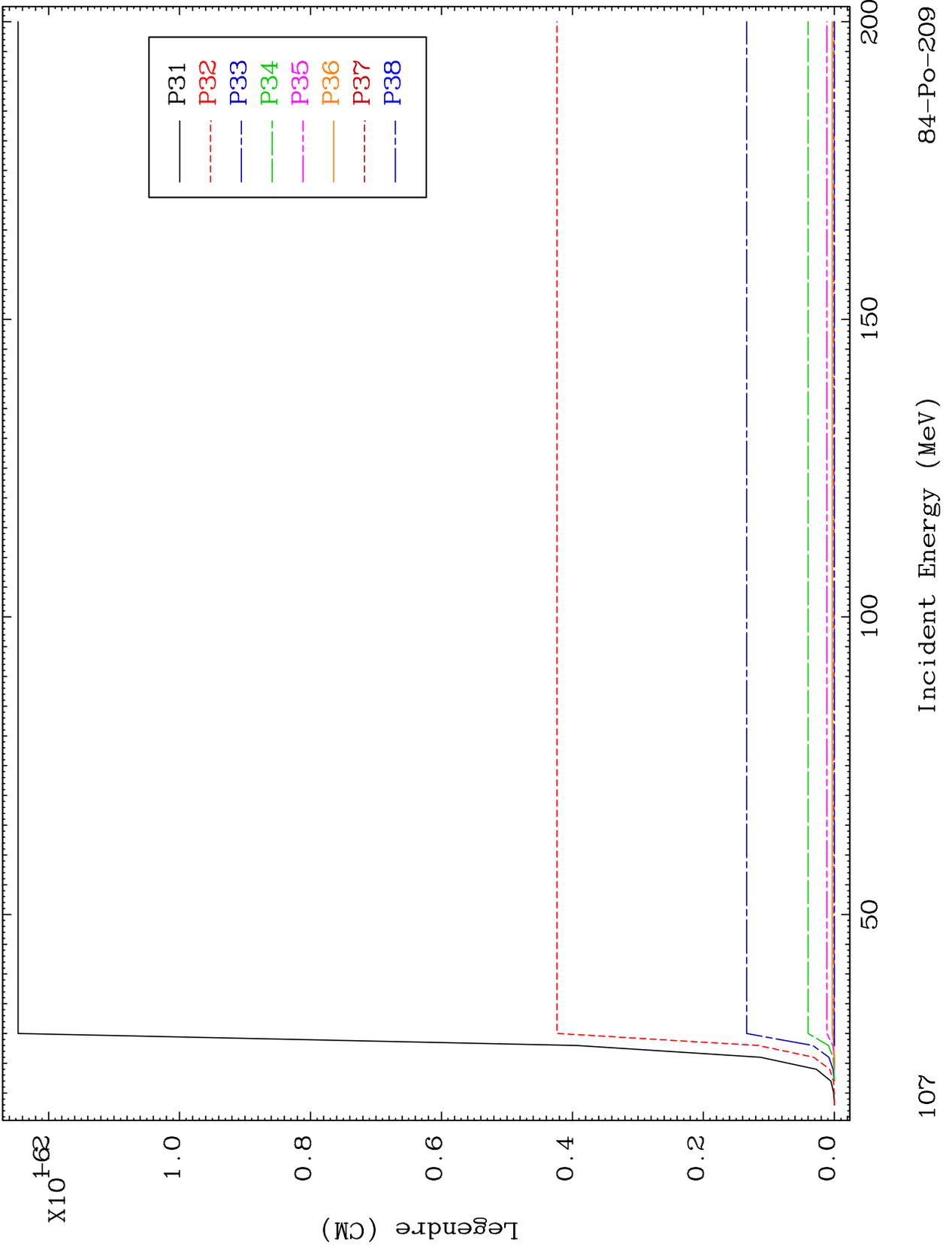
Incident Energy (MeV)

84-Po-209

MAT 8434

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

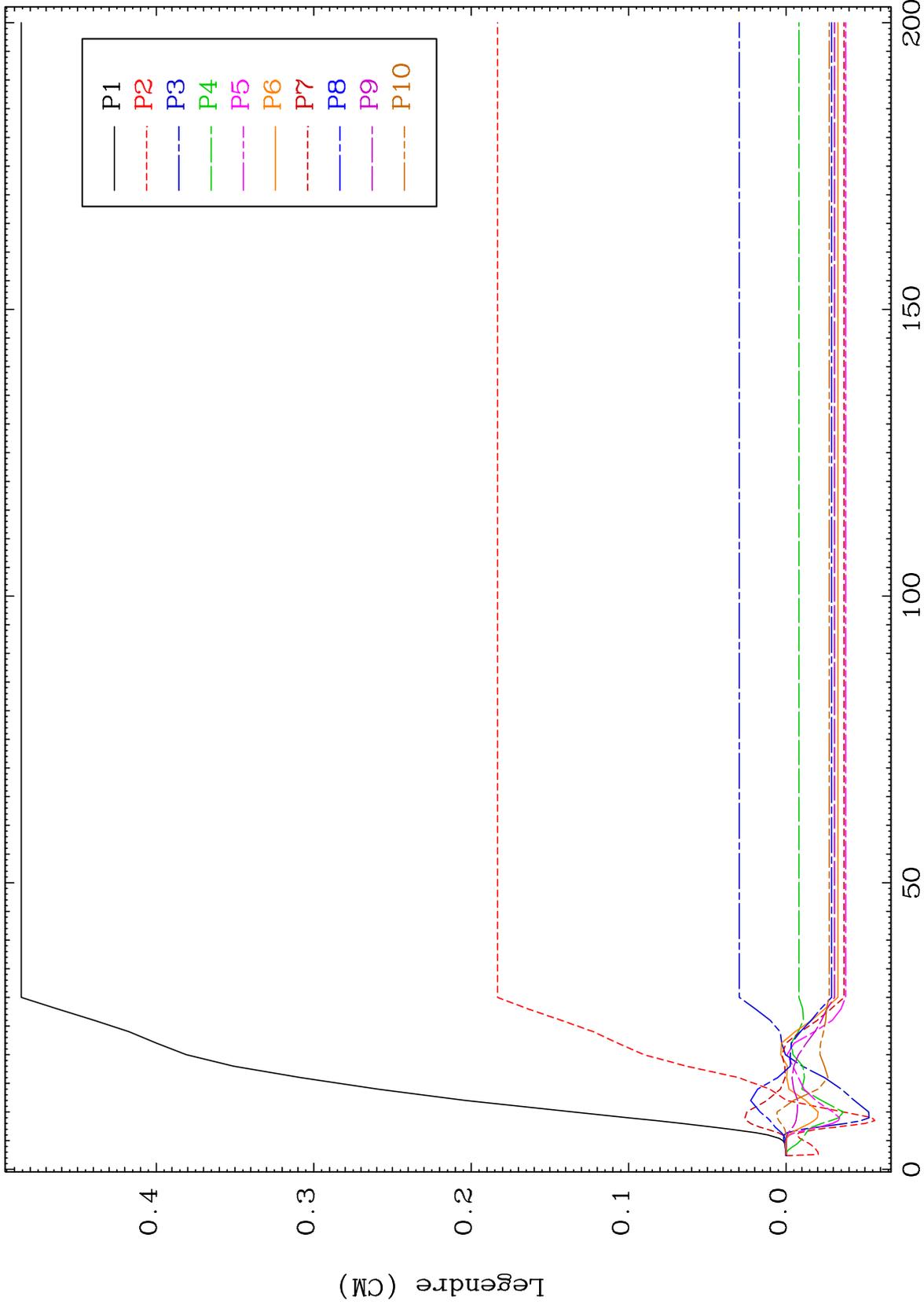
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

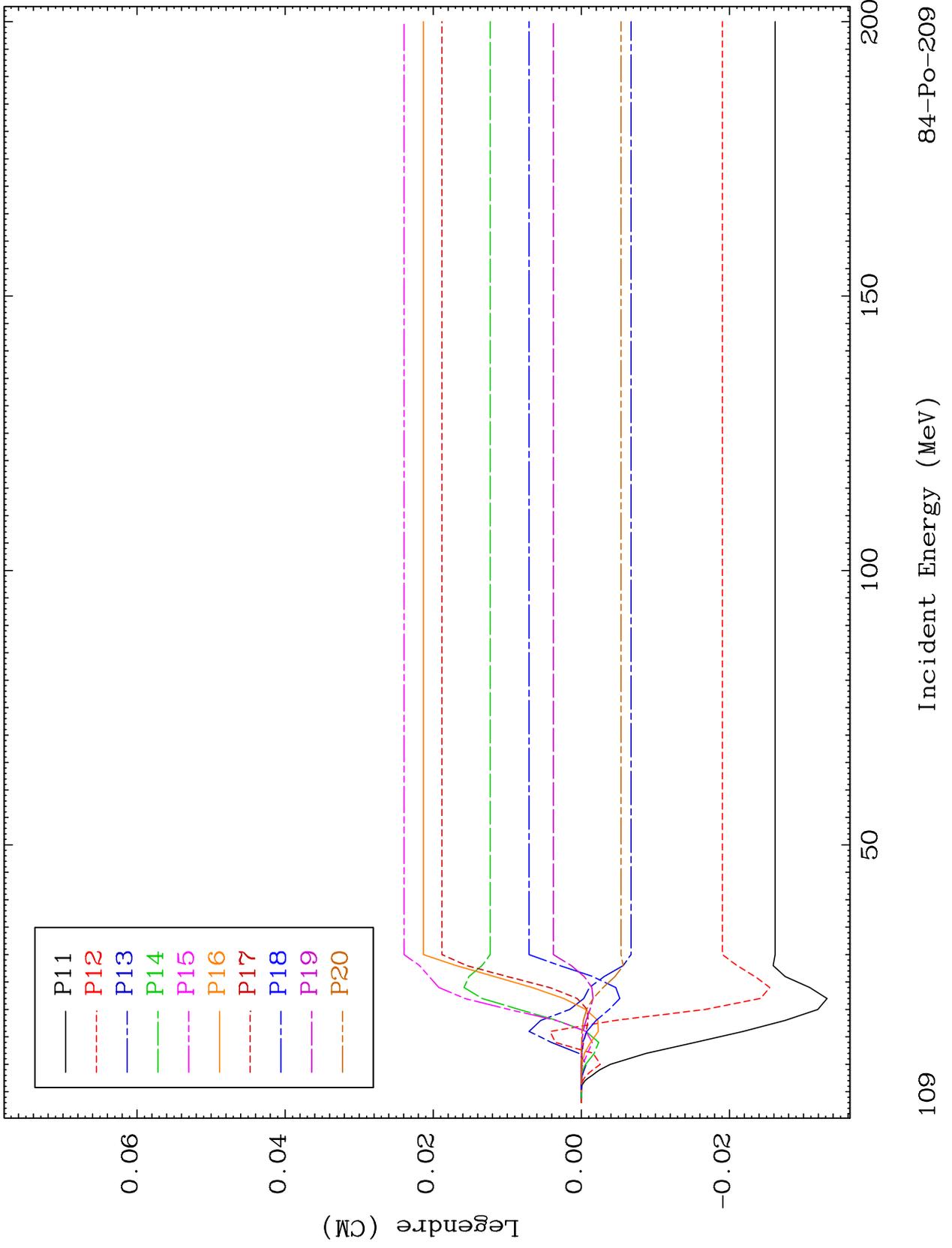
Incident Energy (MeV)

108

MAT 8434

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

84-Po-209



109

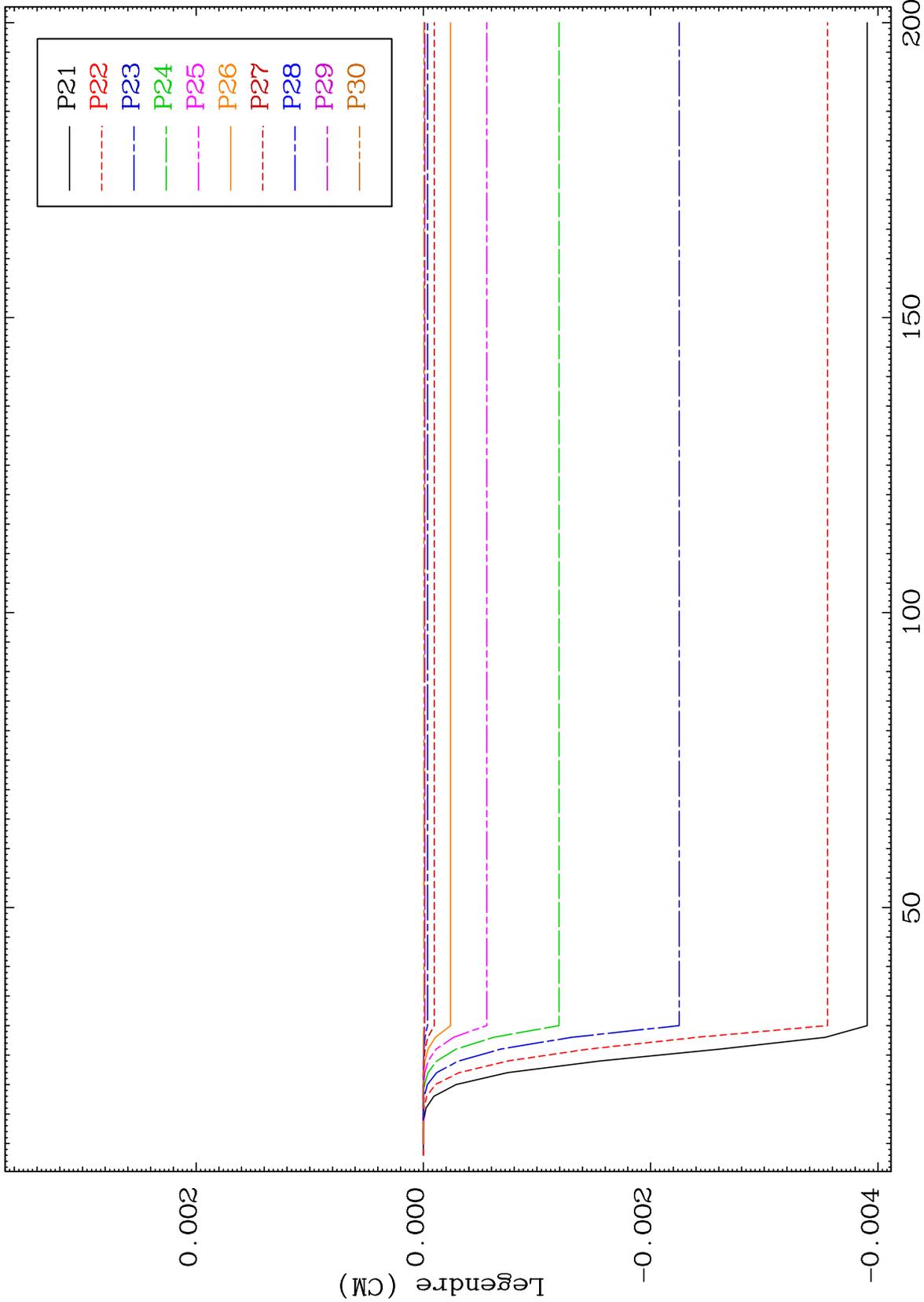
Incident Energy (MeV)

84-Po-209

MAT 8434

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

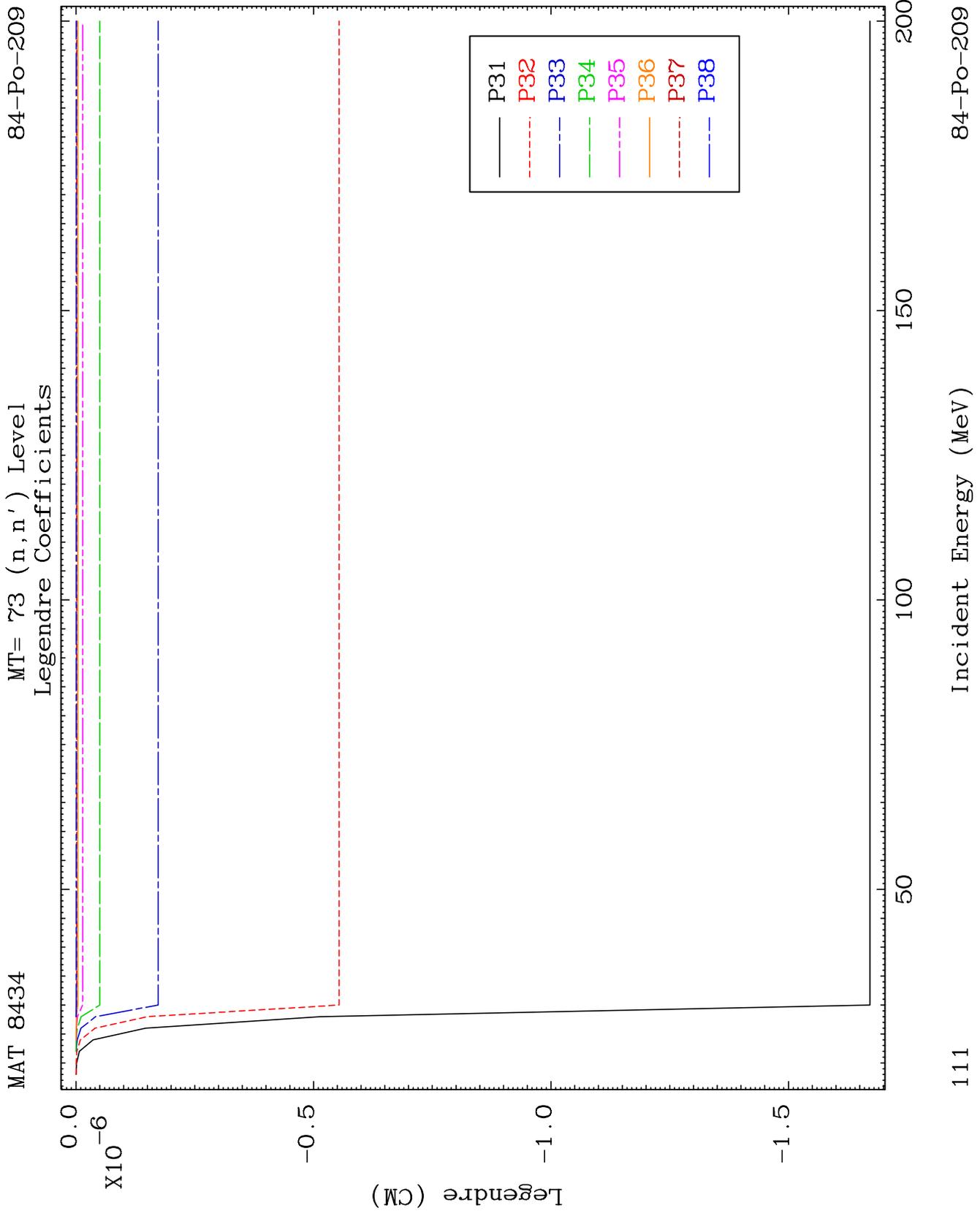
84-Po-209



110

Incident Energy (MeV)

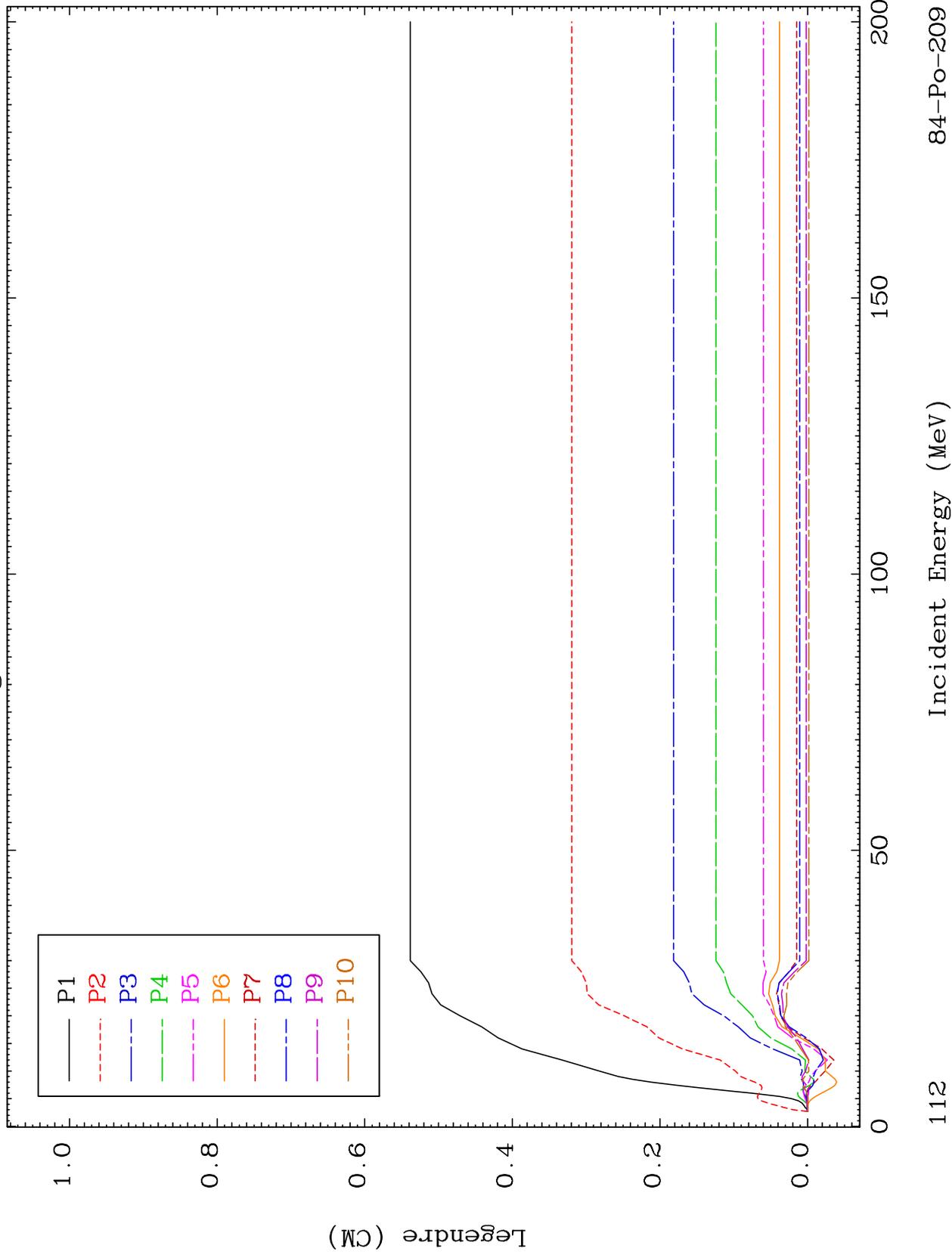
84-Po-209



MAT 8434

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

84-Po-209

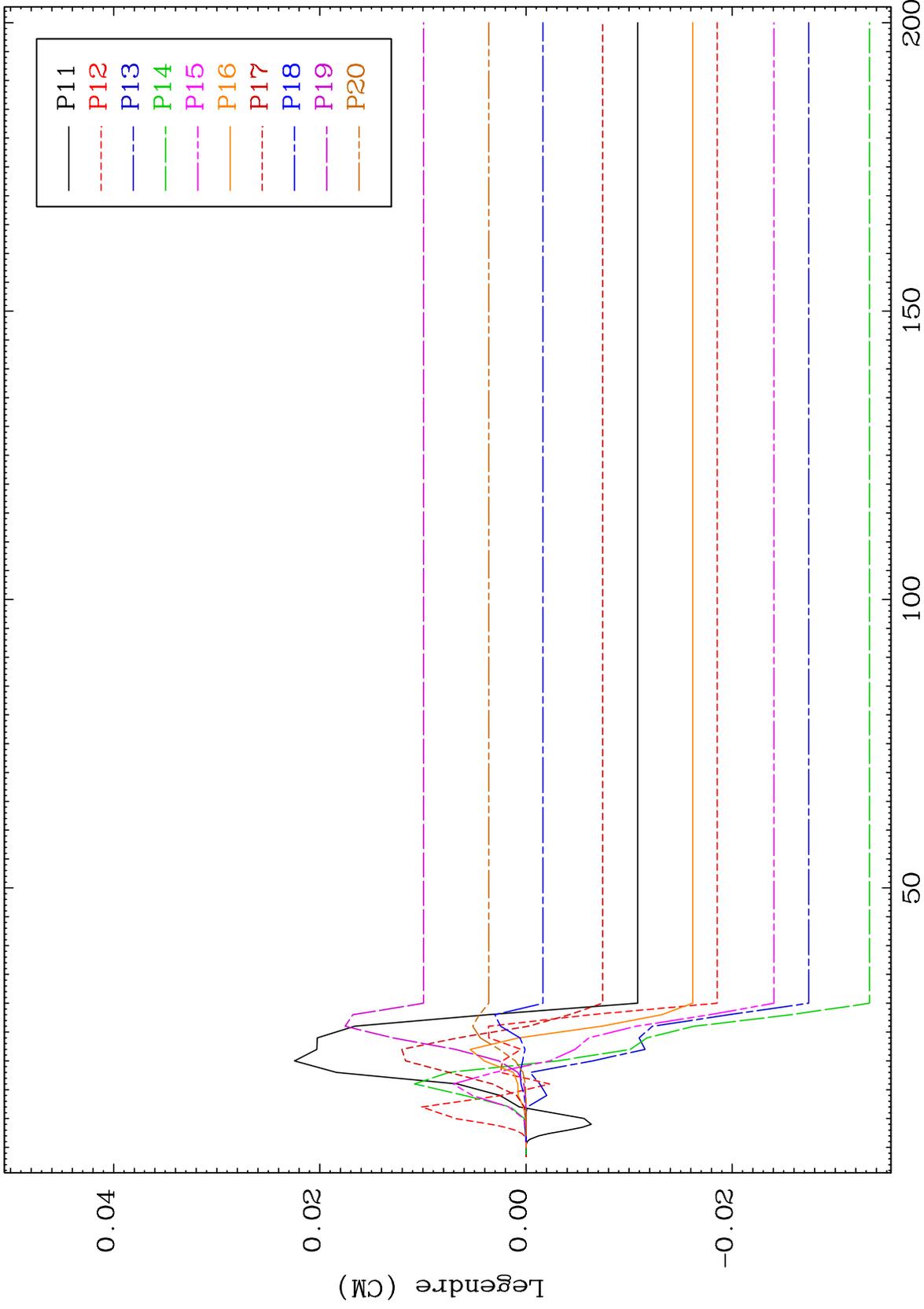


112

MAT 8434

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

84-Po-209



113

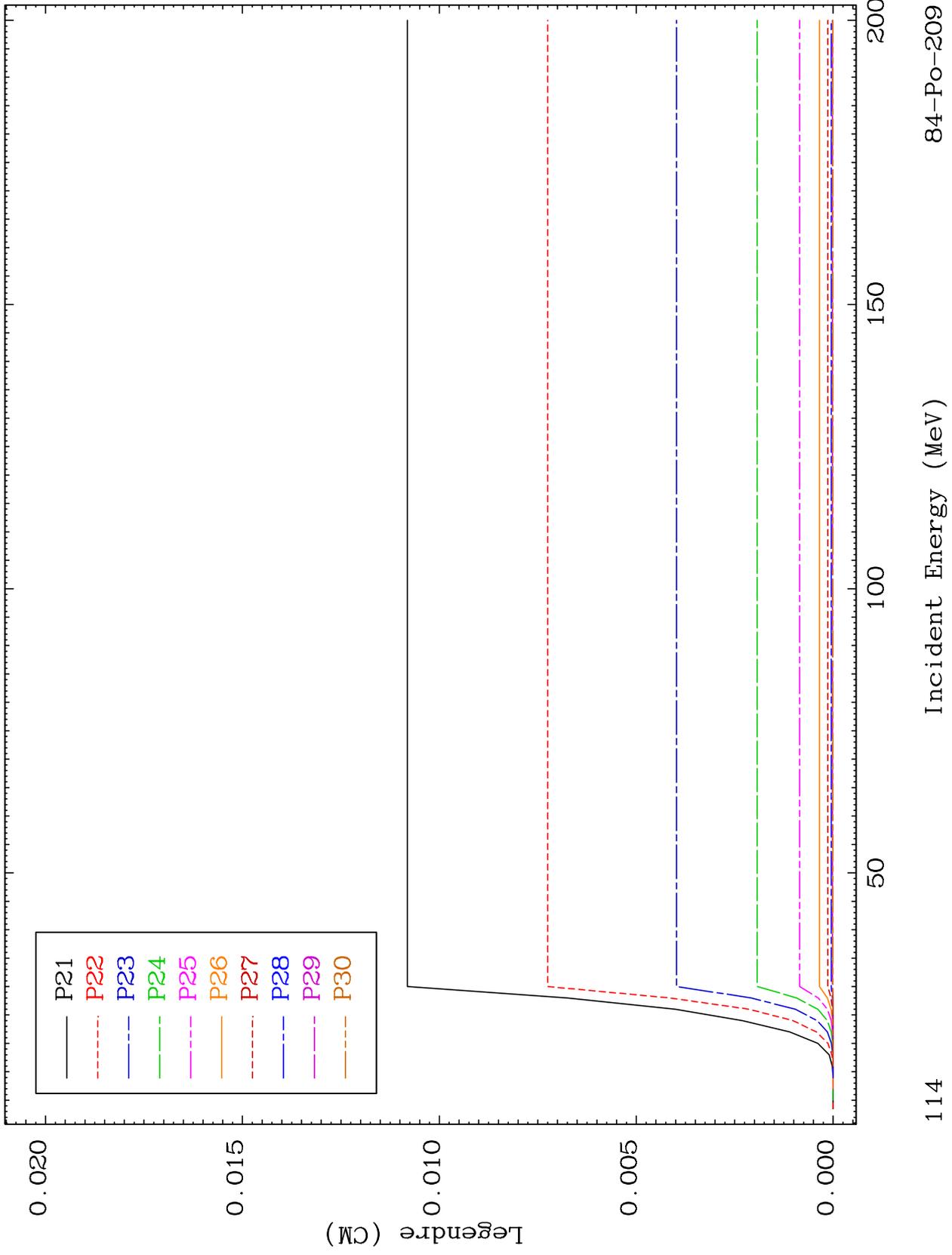
Incident Energy (MeV)

84-Po-209

MAT 8434

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

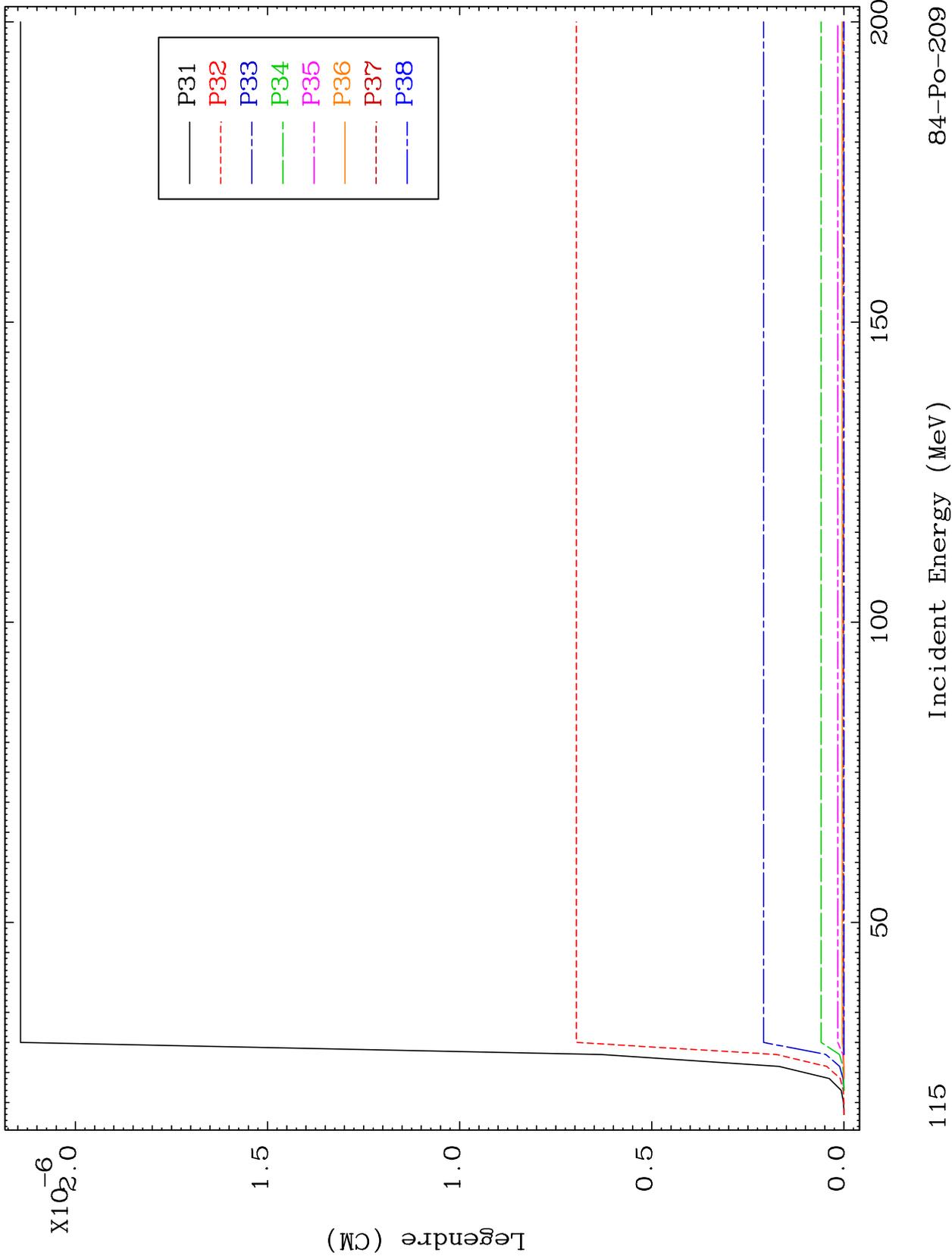
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

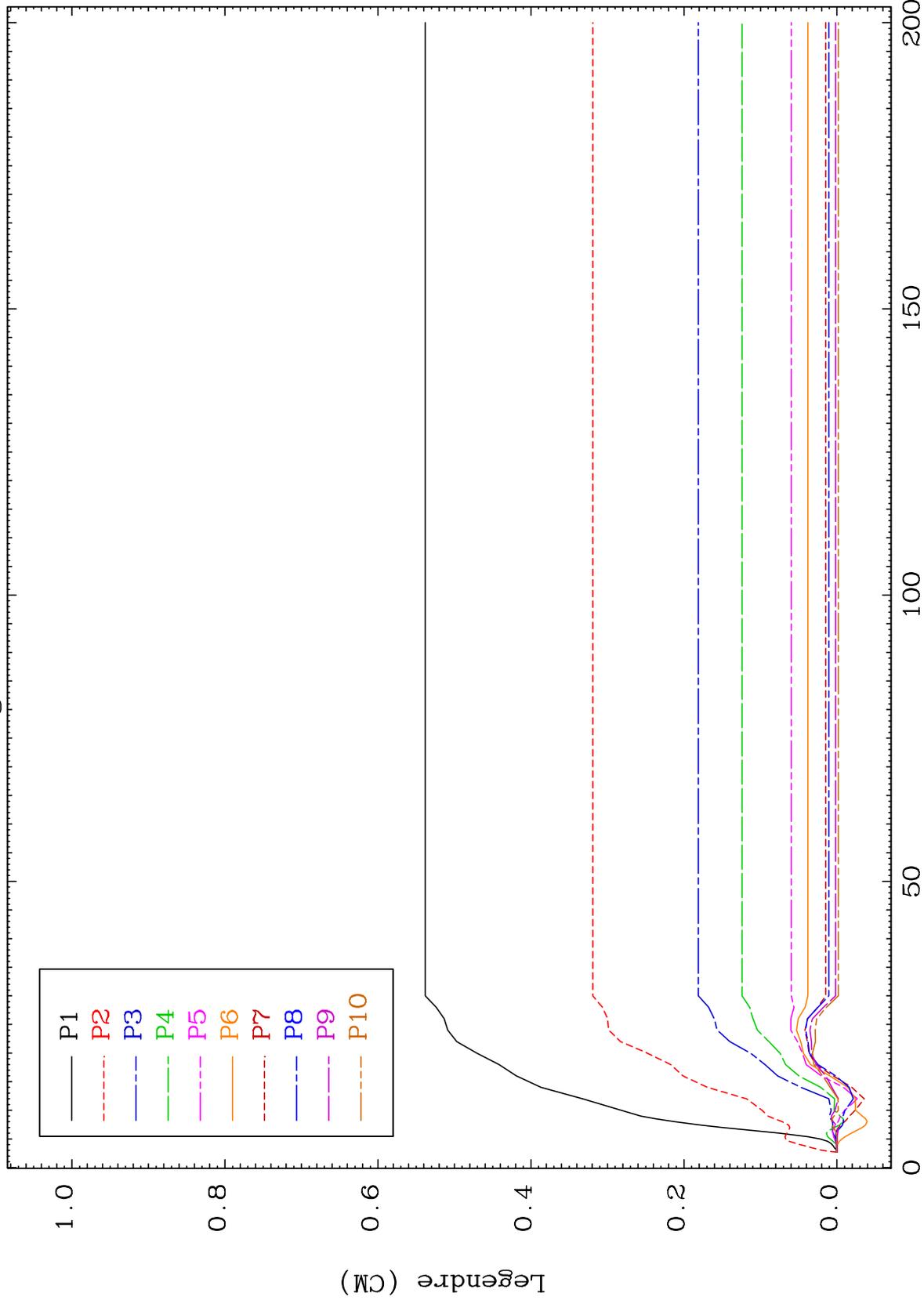
Incident Energy (MeV)

115

MAT 8434

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

84-Po-209



116

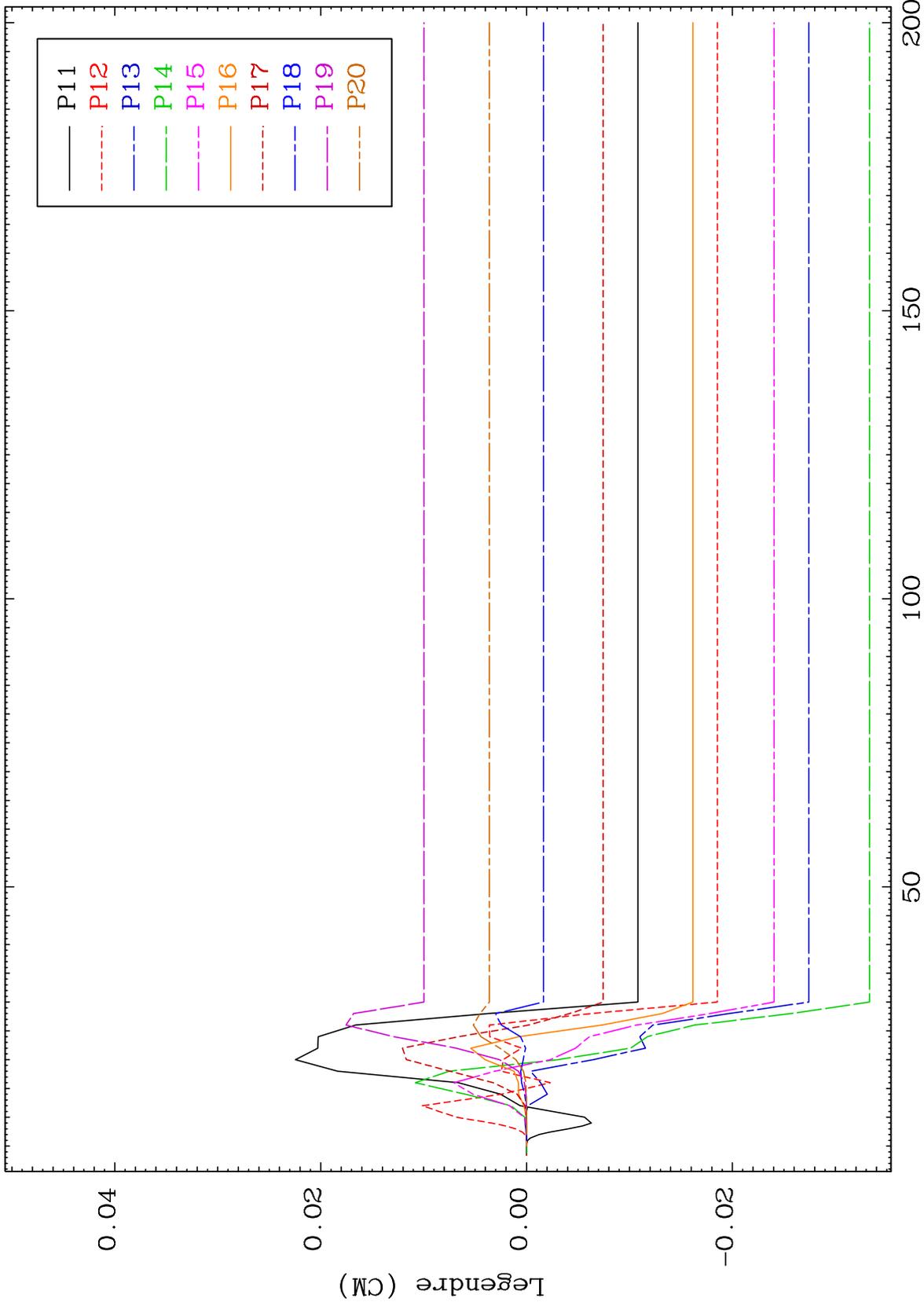
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



117

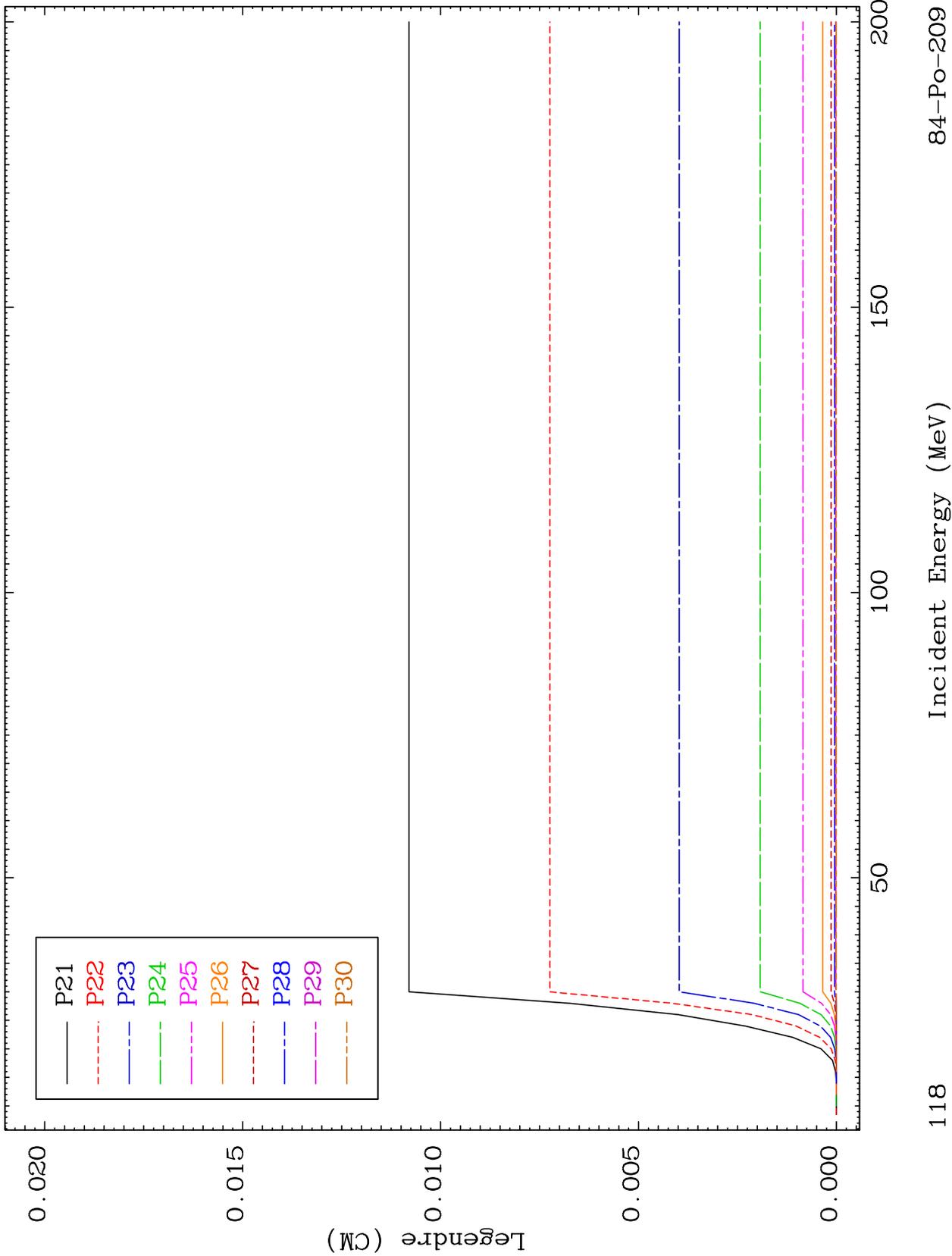
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



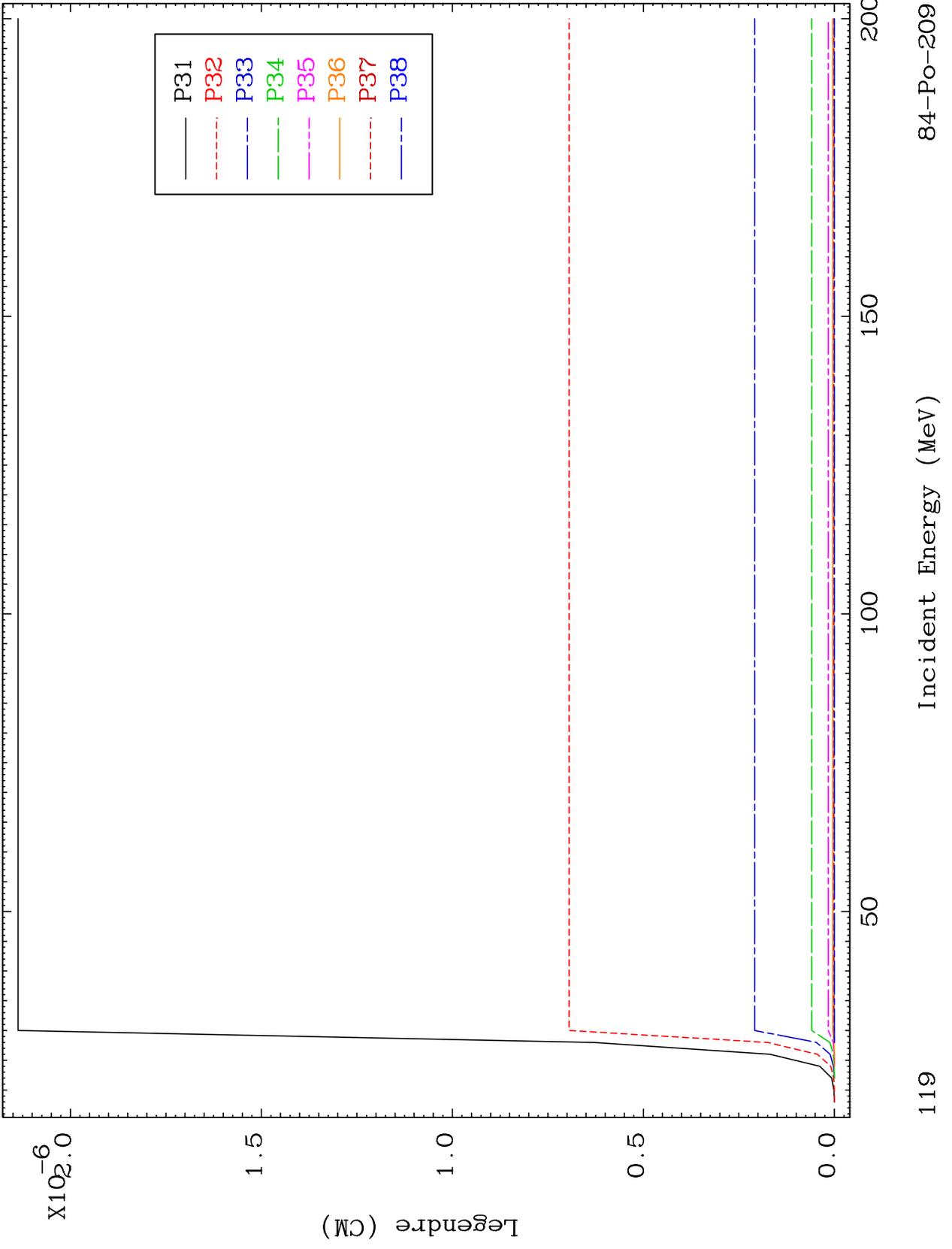
118

84-Po-209

MAT 8434

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

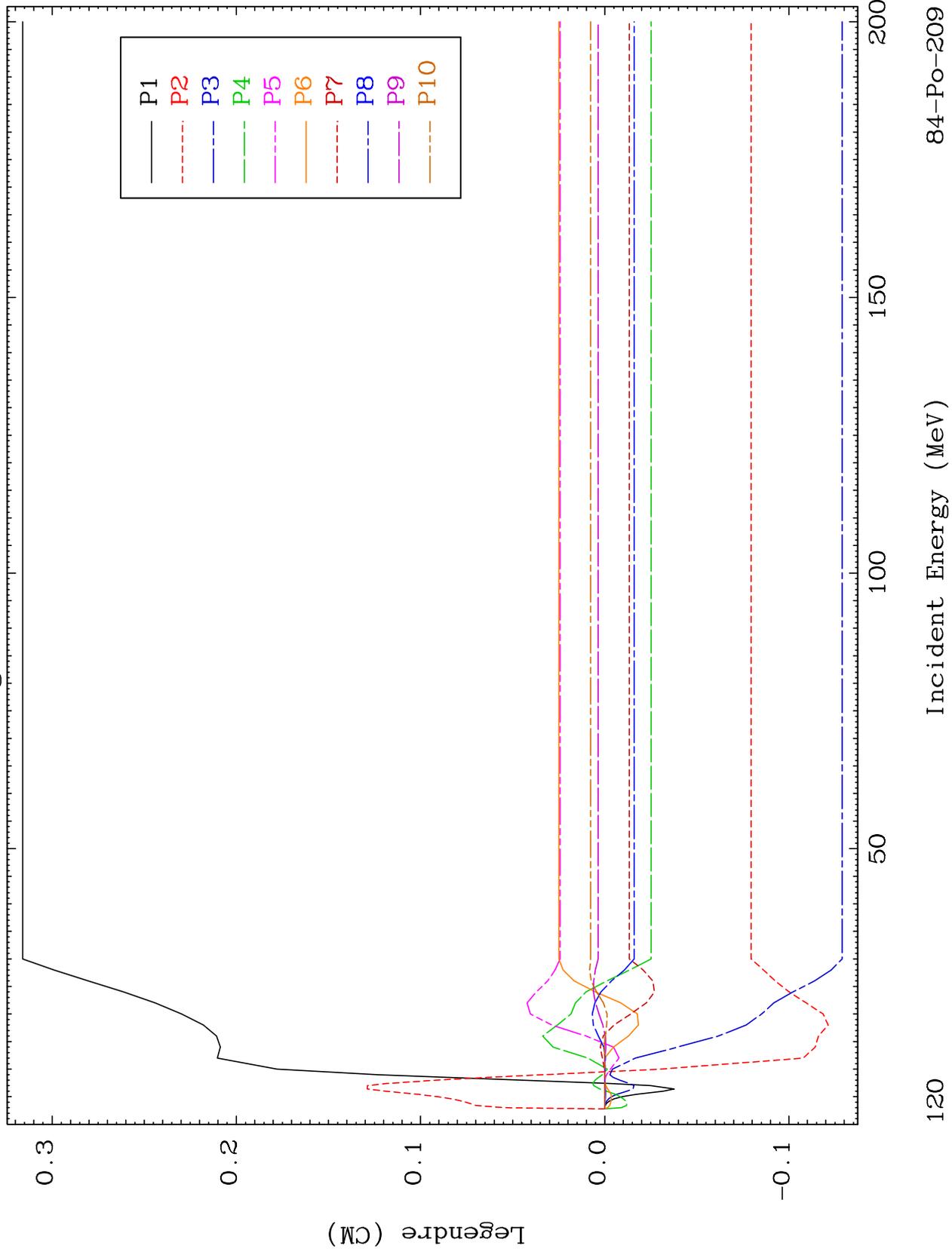
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

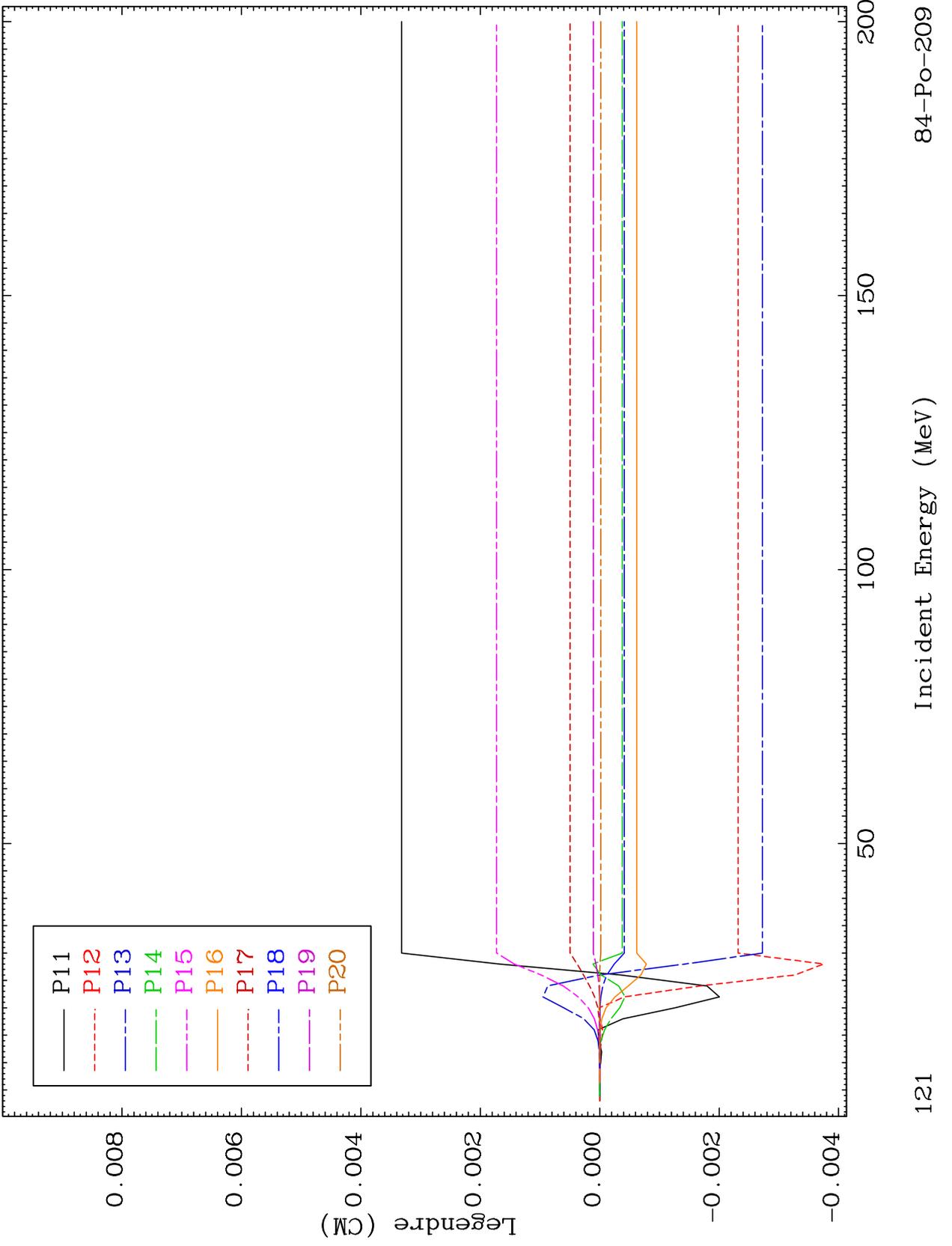
Incident Energy (MeV)

120

MAT 8434

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

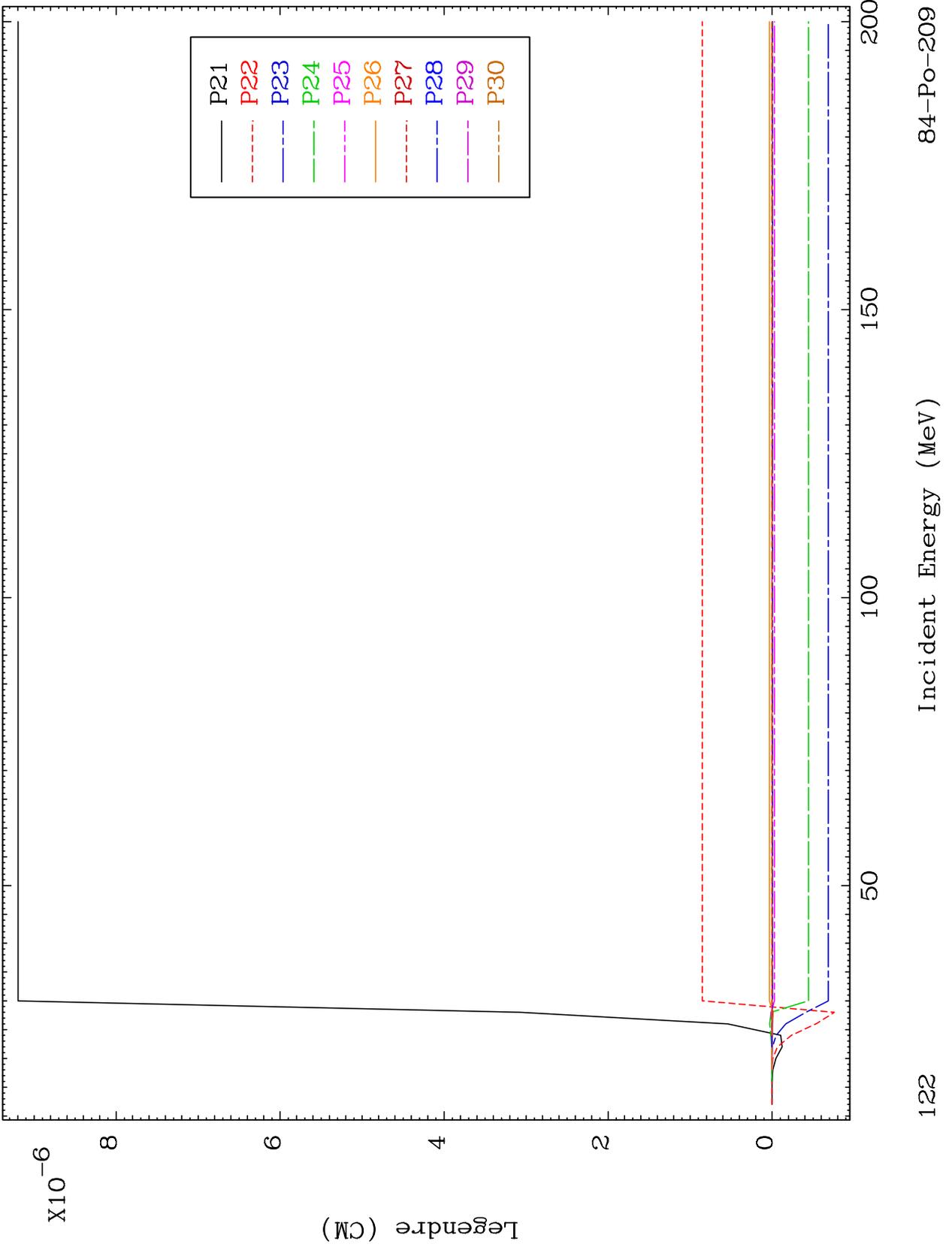
84-Po-209



MAT 8434

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

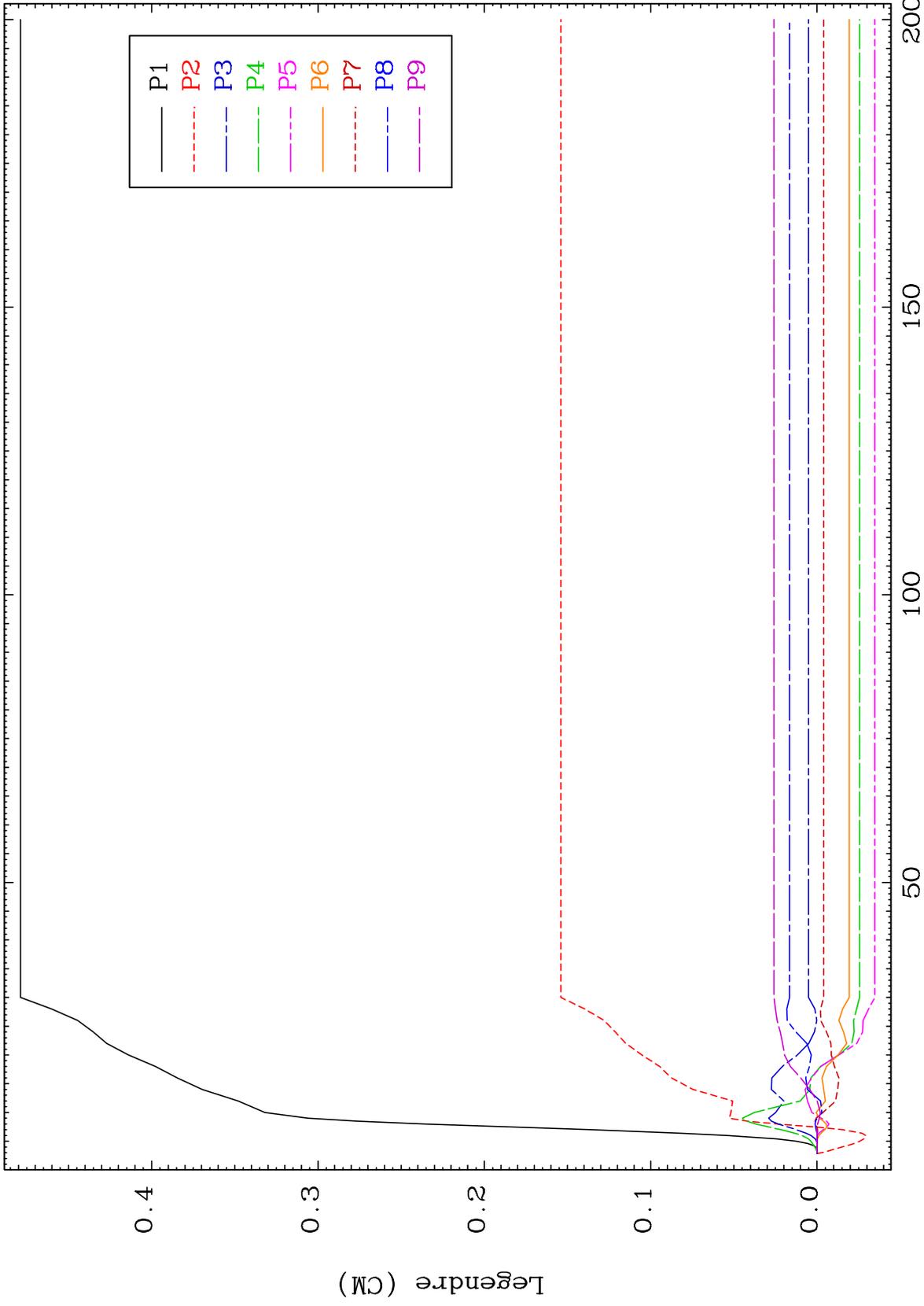
84-Po-209



MAT 8434

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

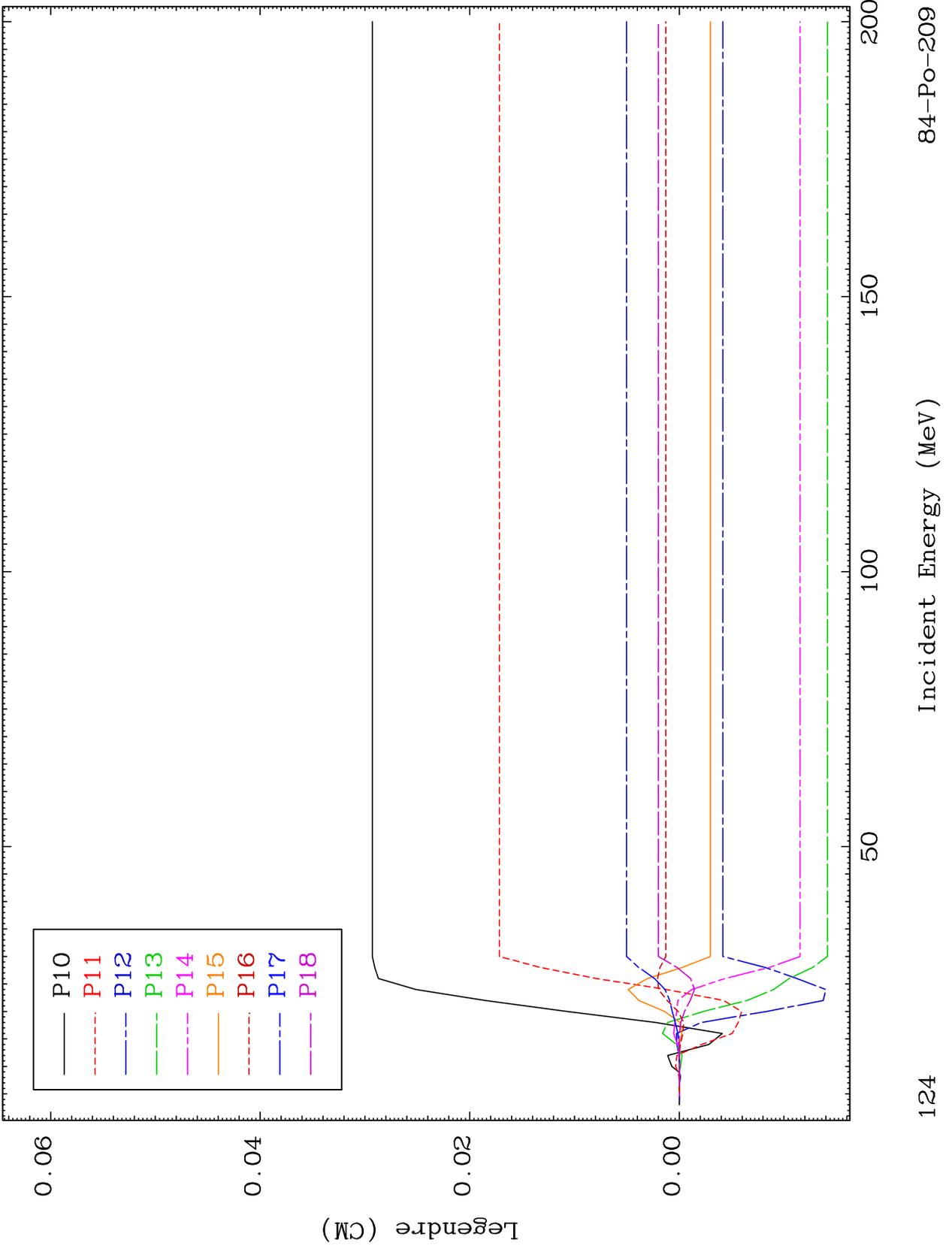
84-Po-209



MAT 8434

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

84-Po-209



124

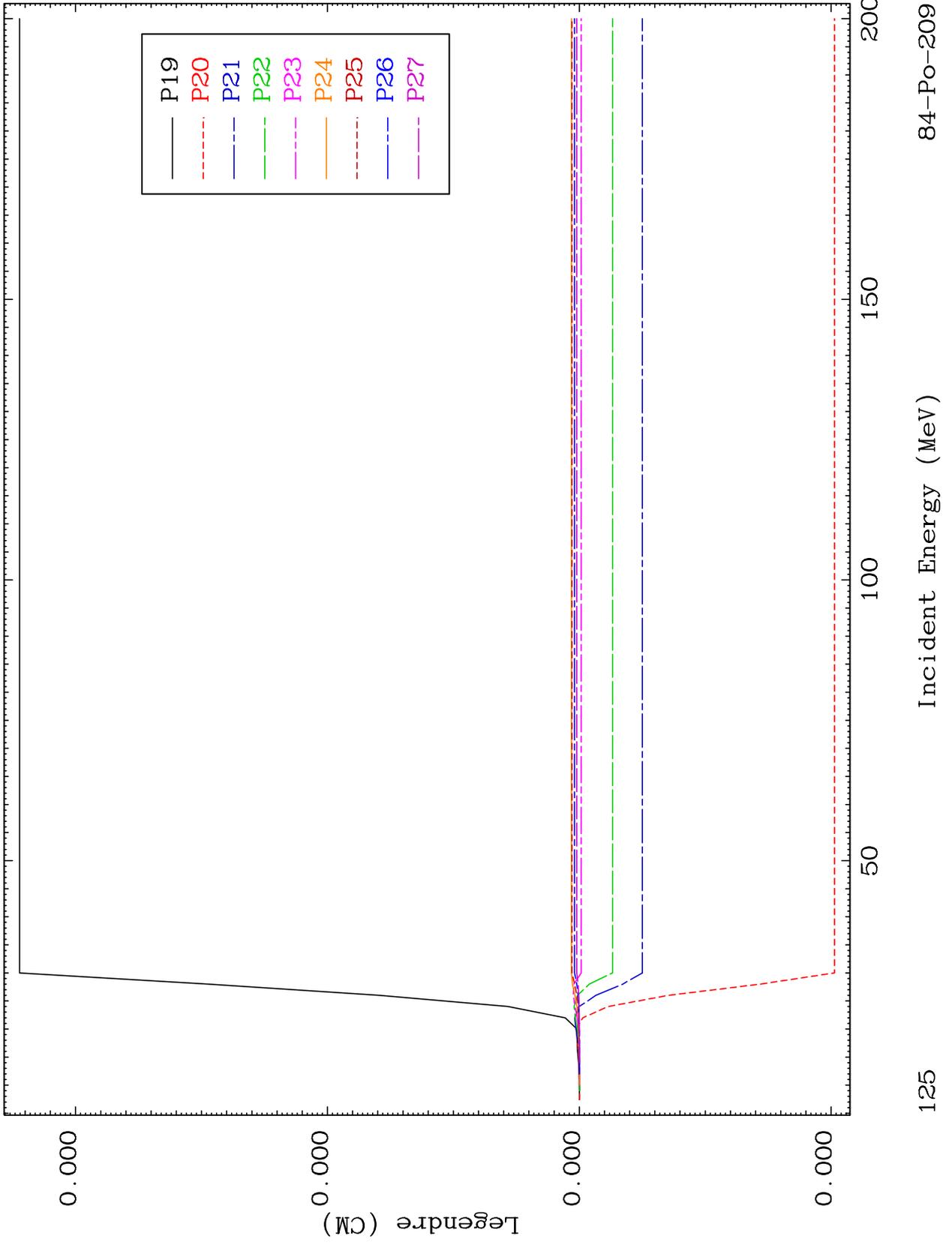
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



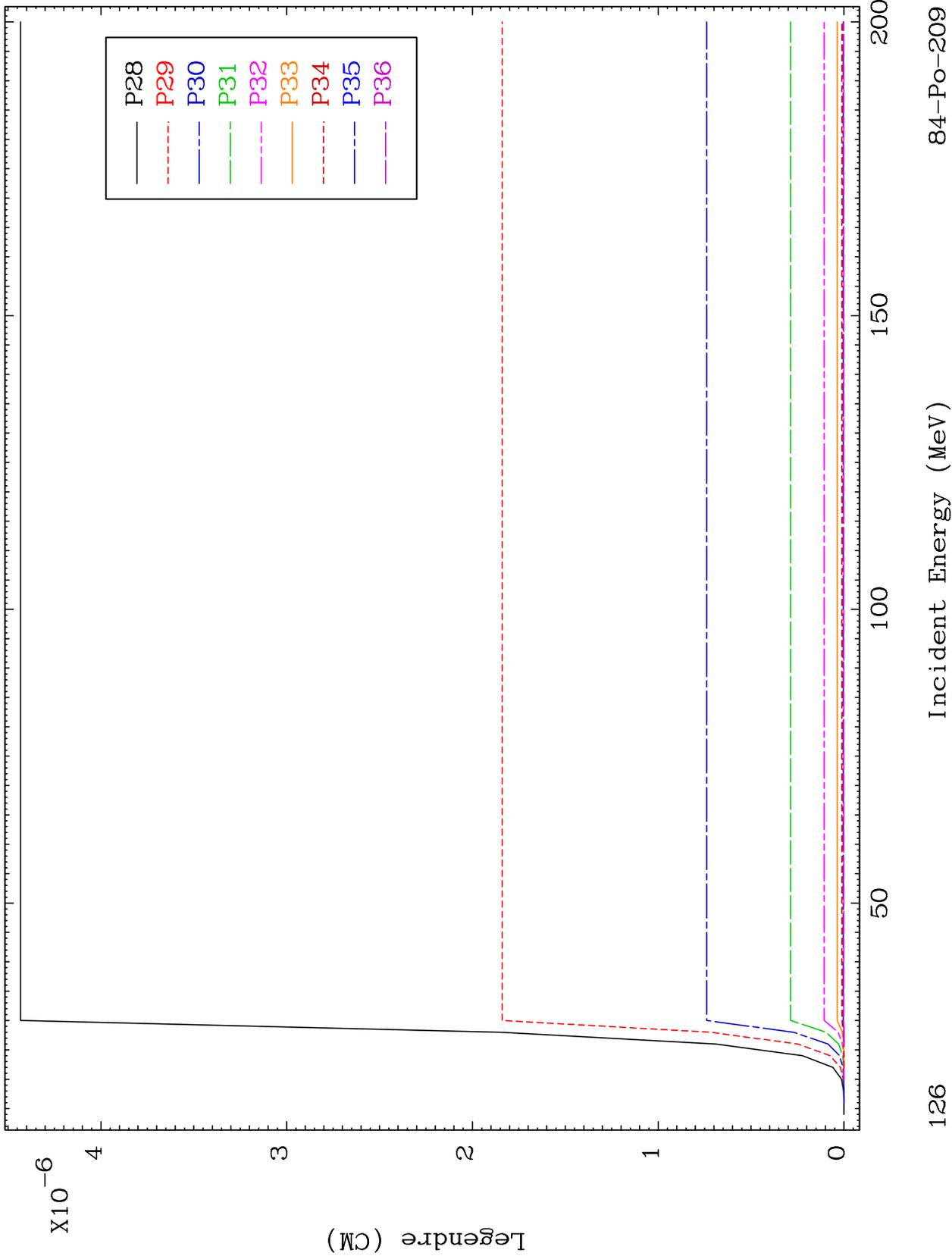
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84-Po-209

MAT 8434

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

84-Po-209



126

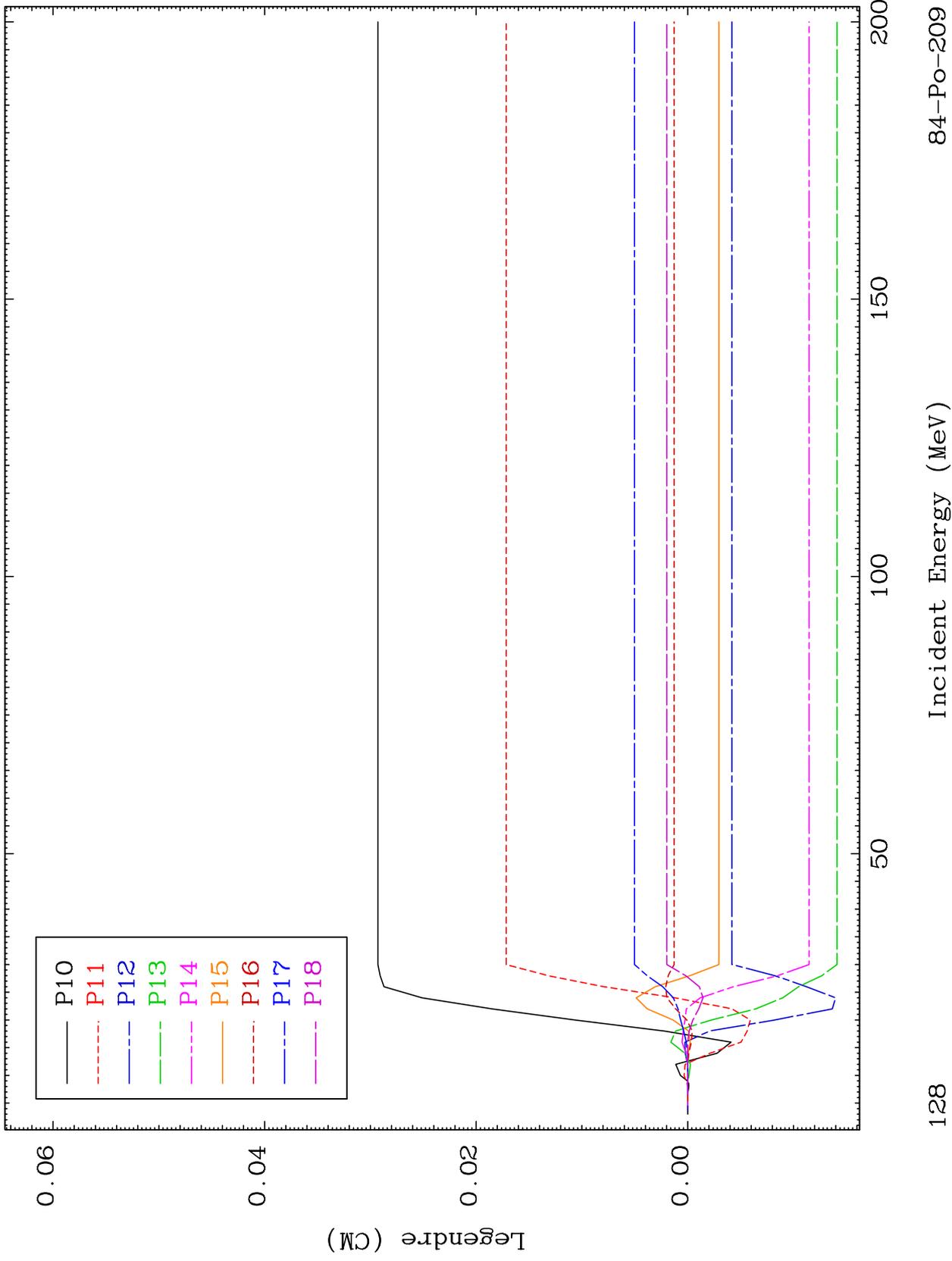
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



128

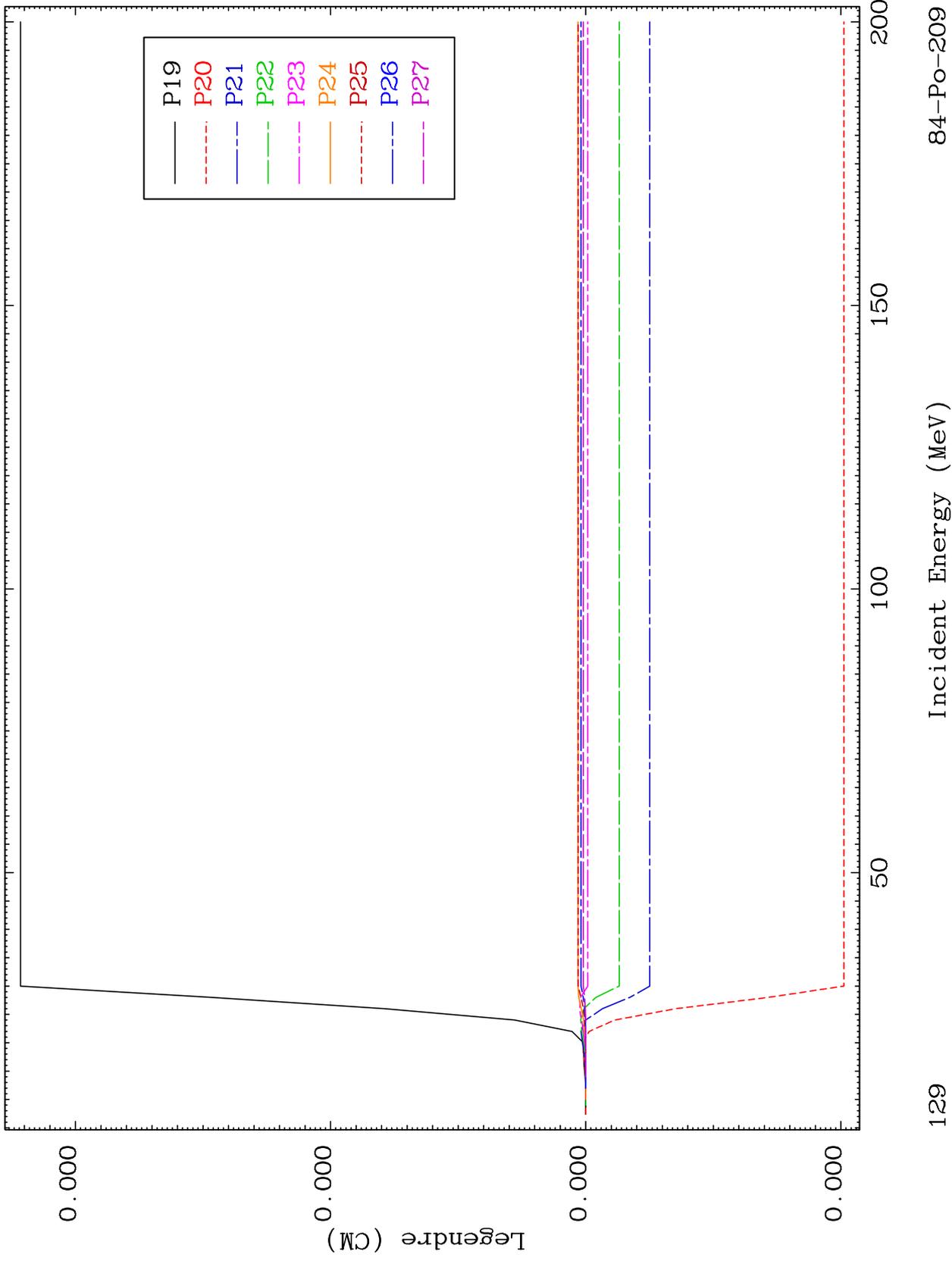
Incident Energy (MeV)

84-Po-209

MAT 8434

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

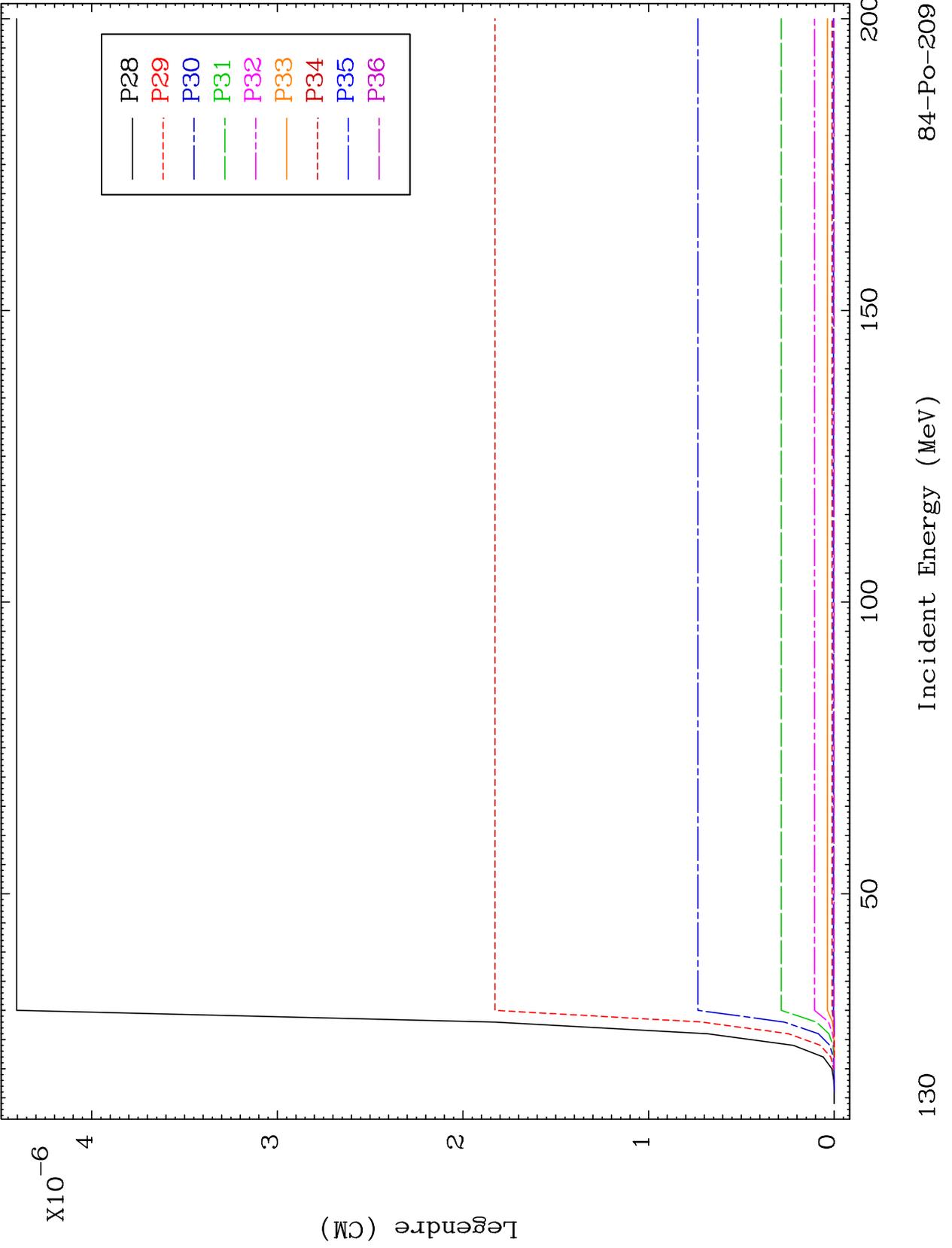
84-Po-209



MAT 8434

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

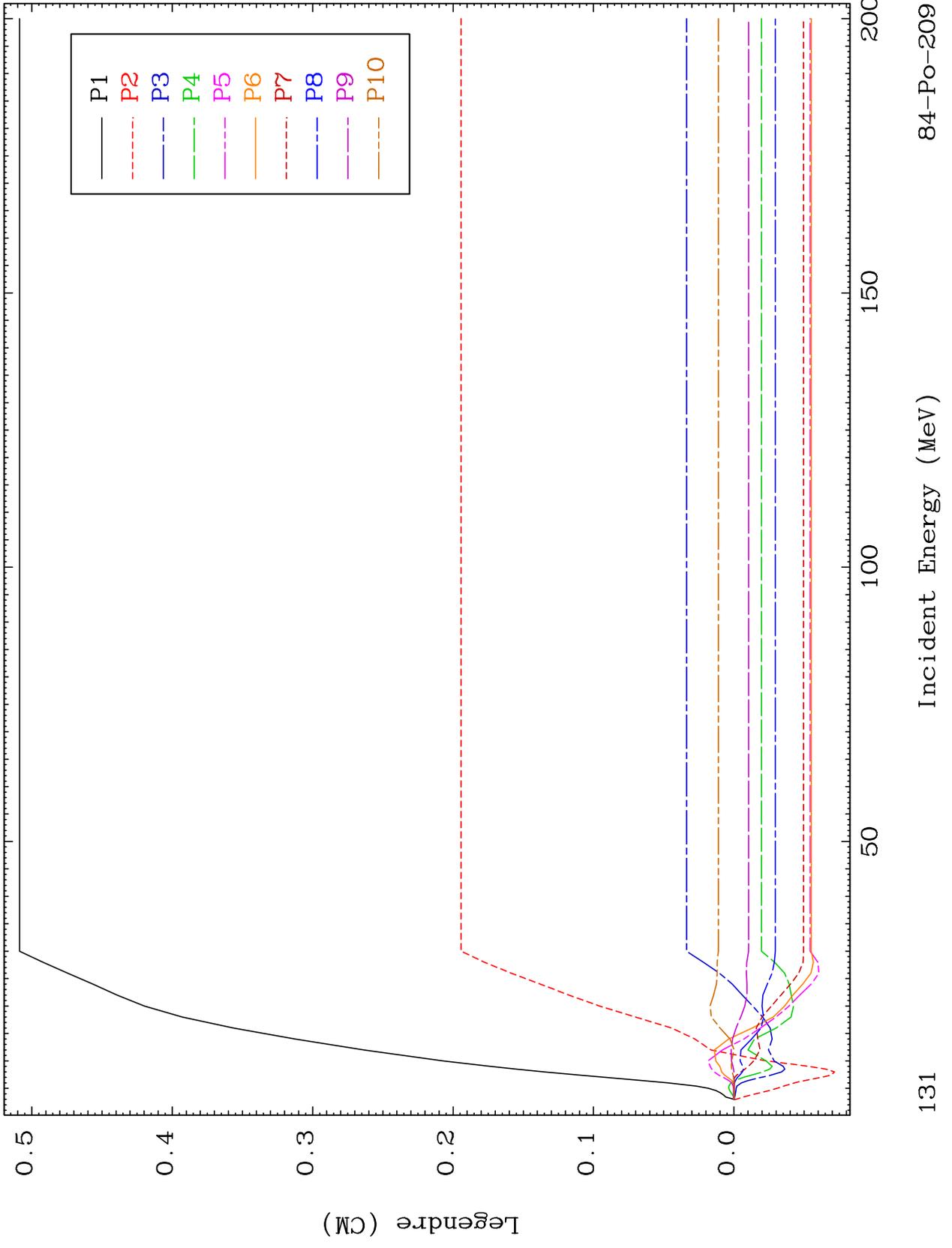
84-Po-209



MAT 8434

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

84-Po-209

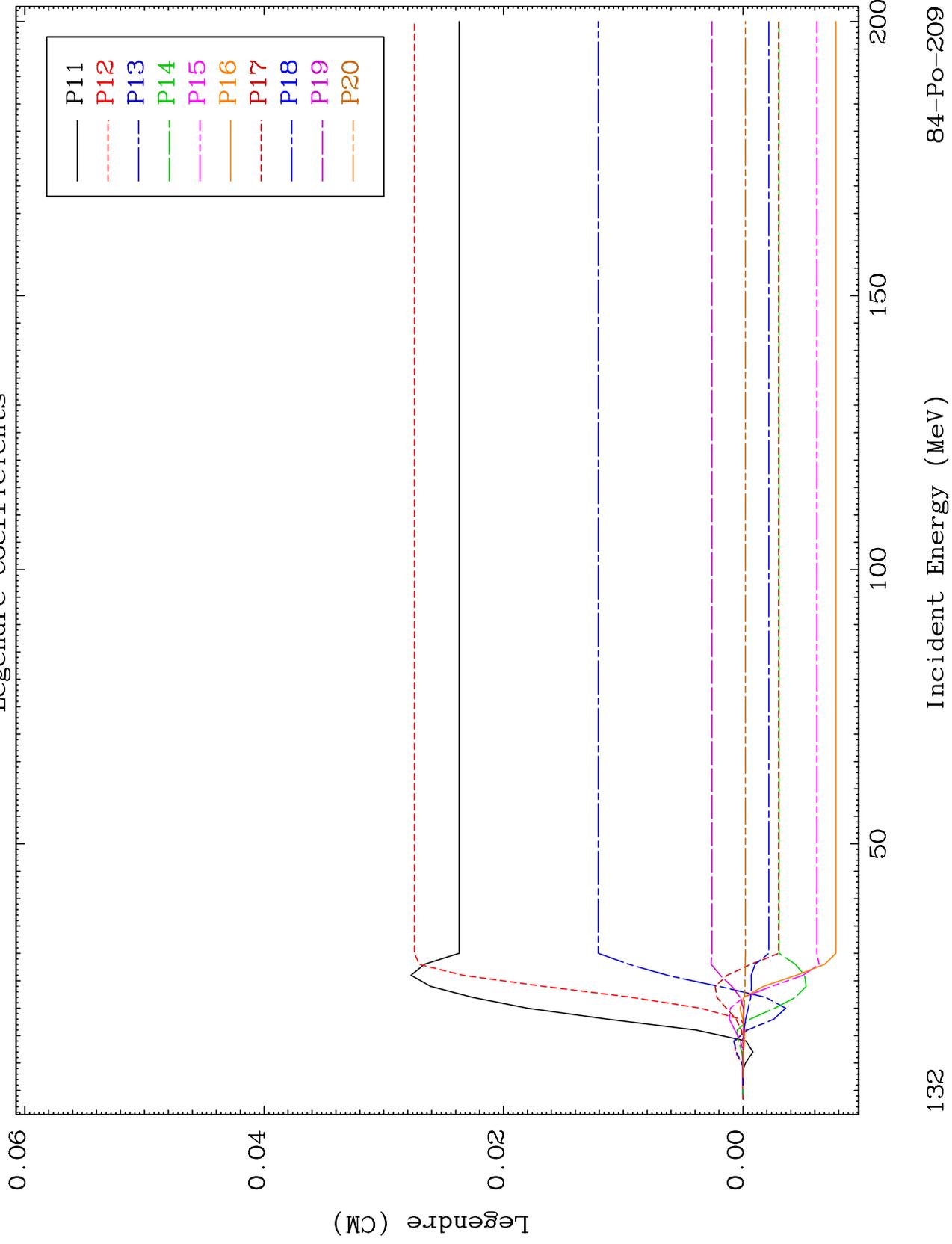


131

MAT 8434

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

84-Po-209

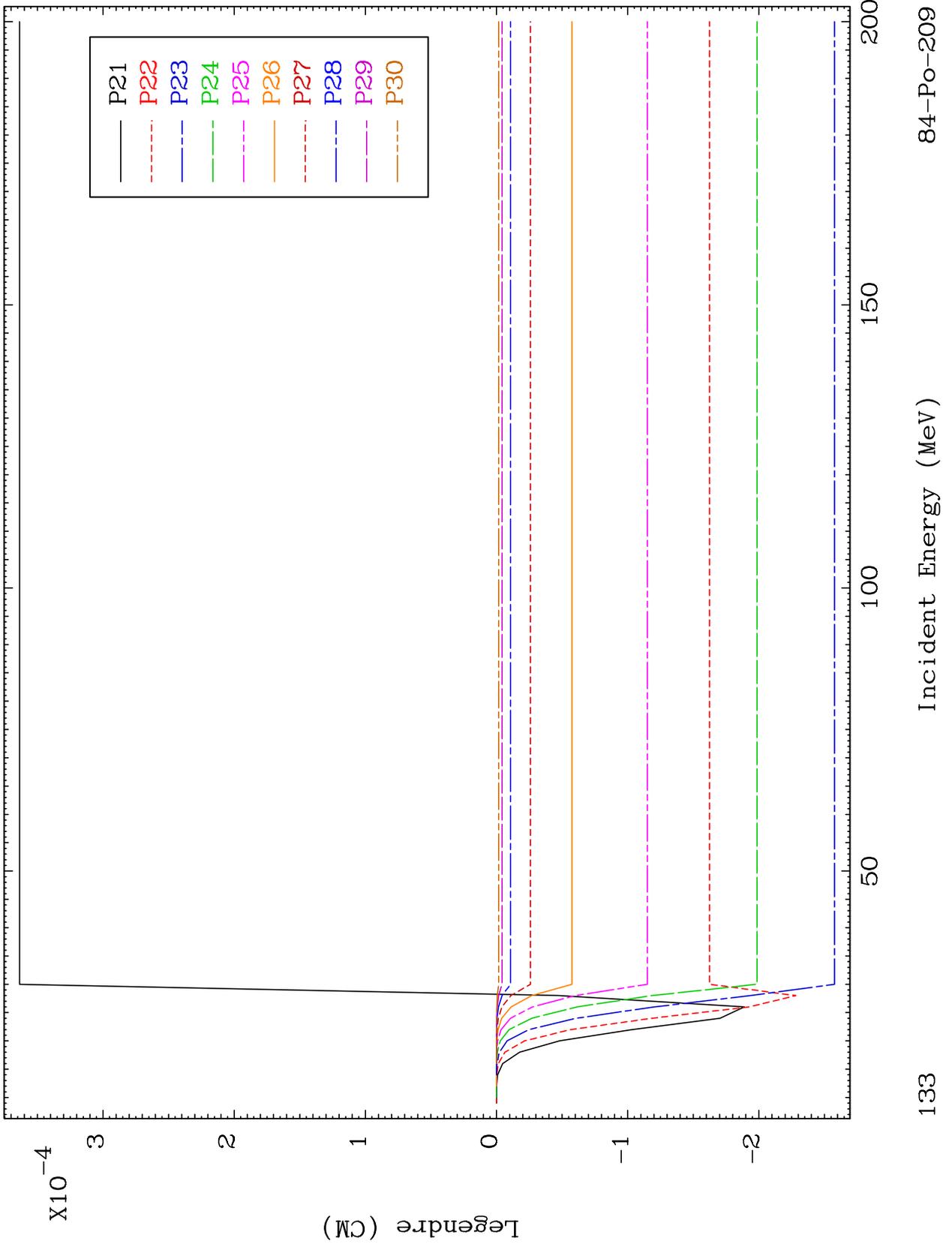


132

MAT 8434

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

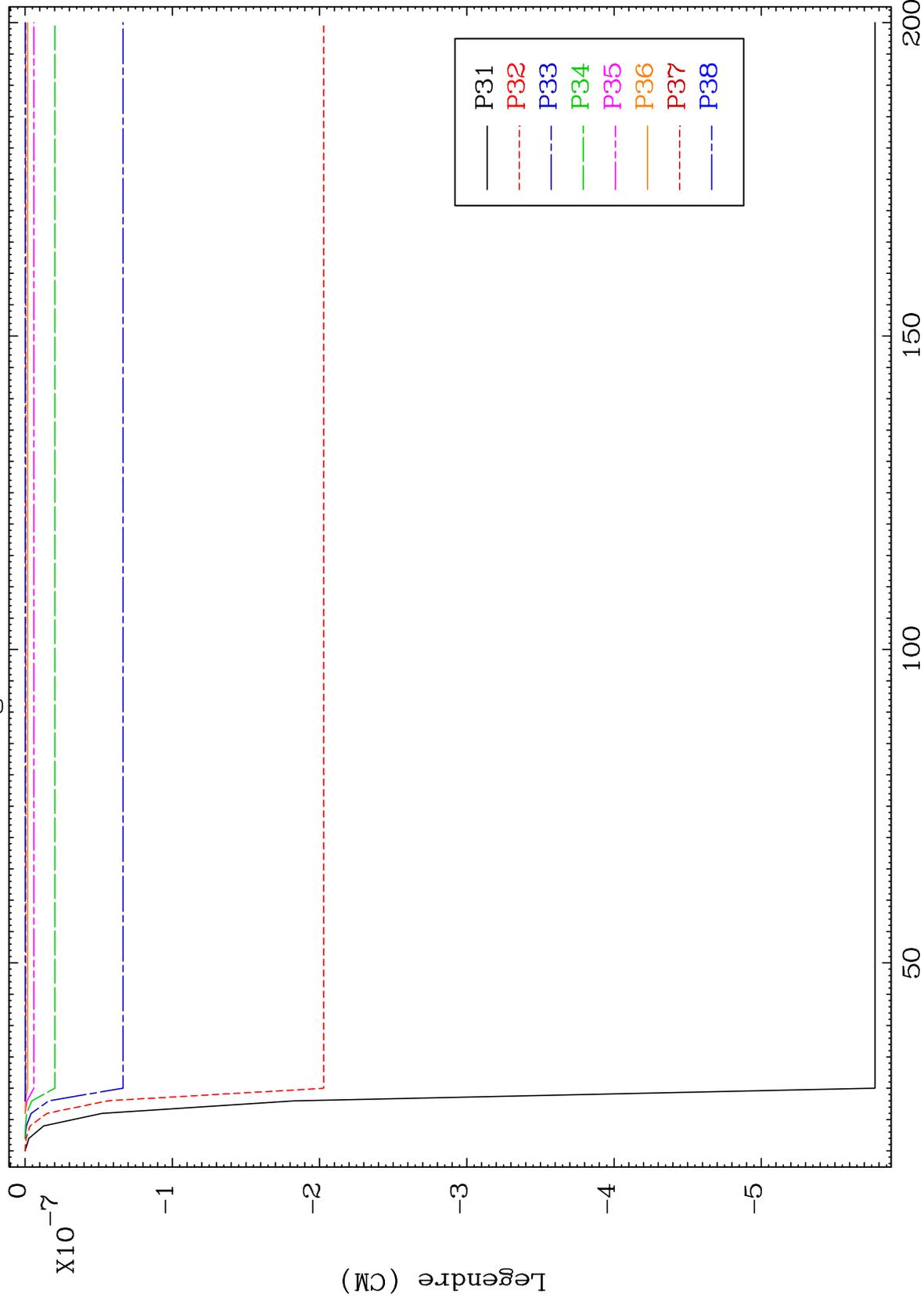
84-Po-209



MAT 8434

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

84-Po-209



134

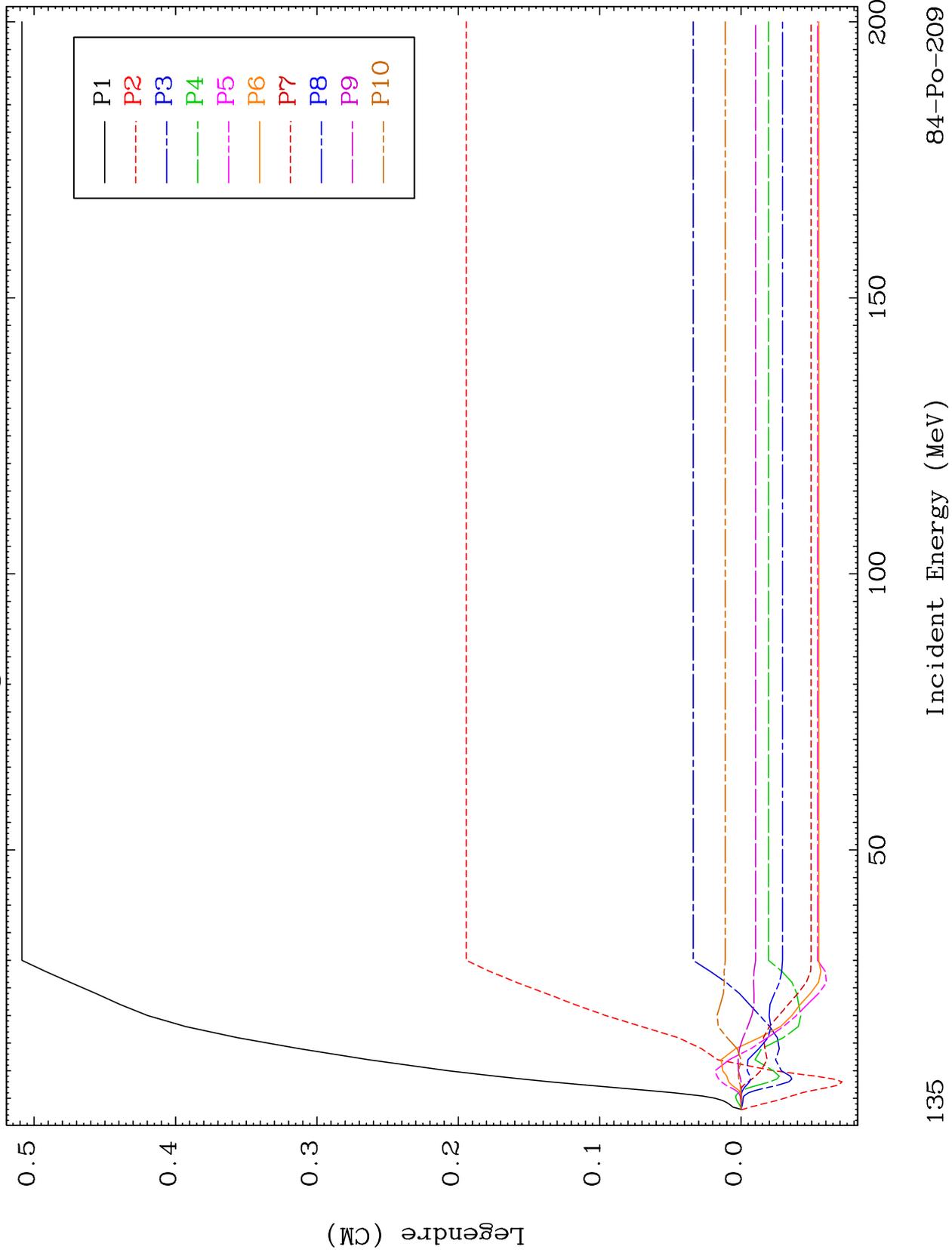
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



135

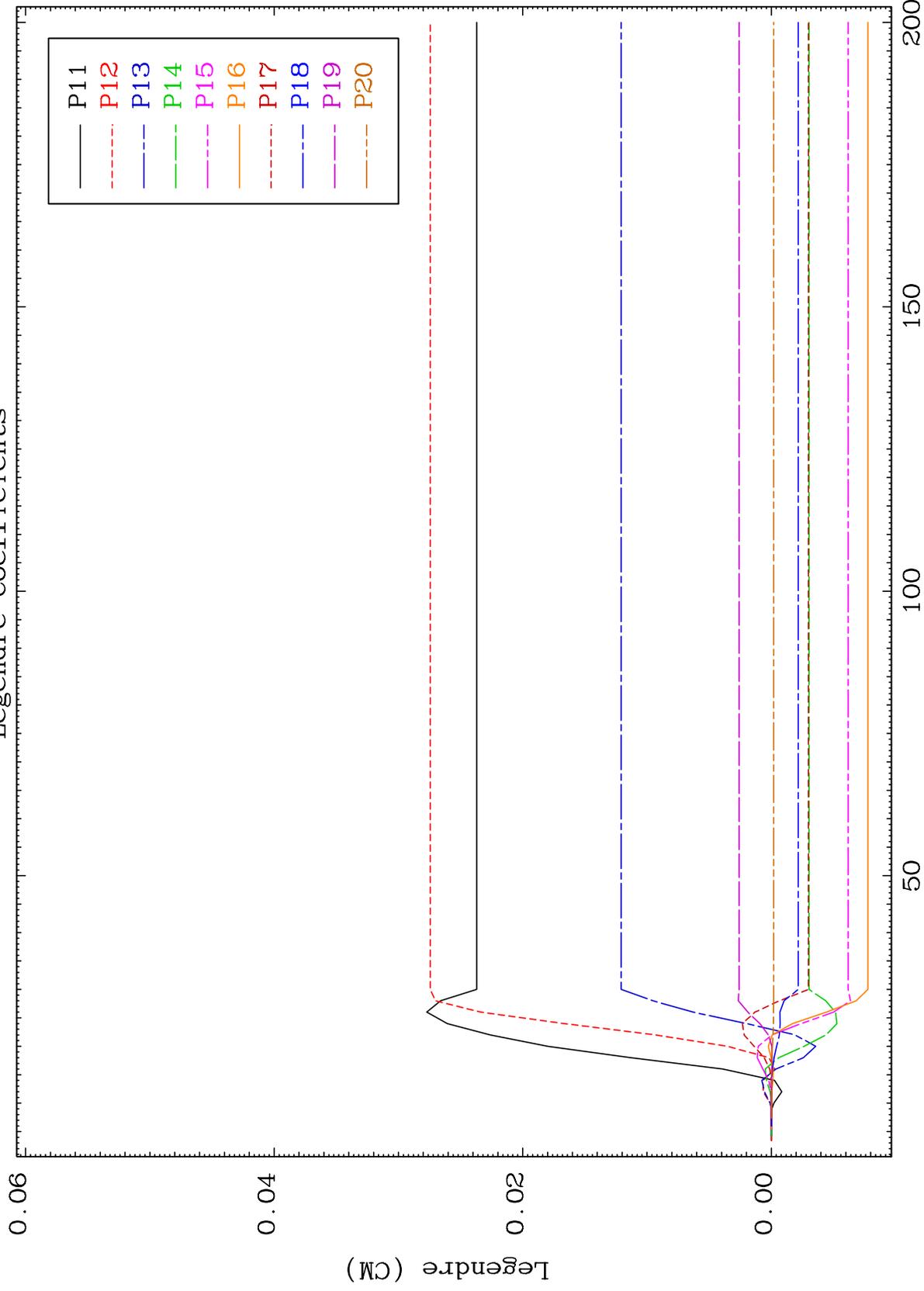
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



136

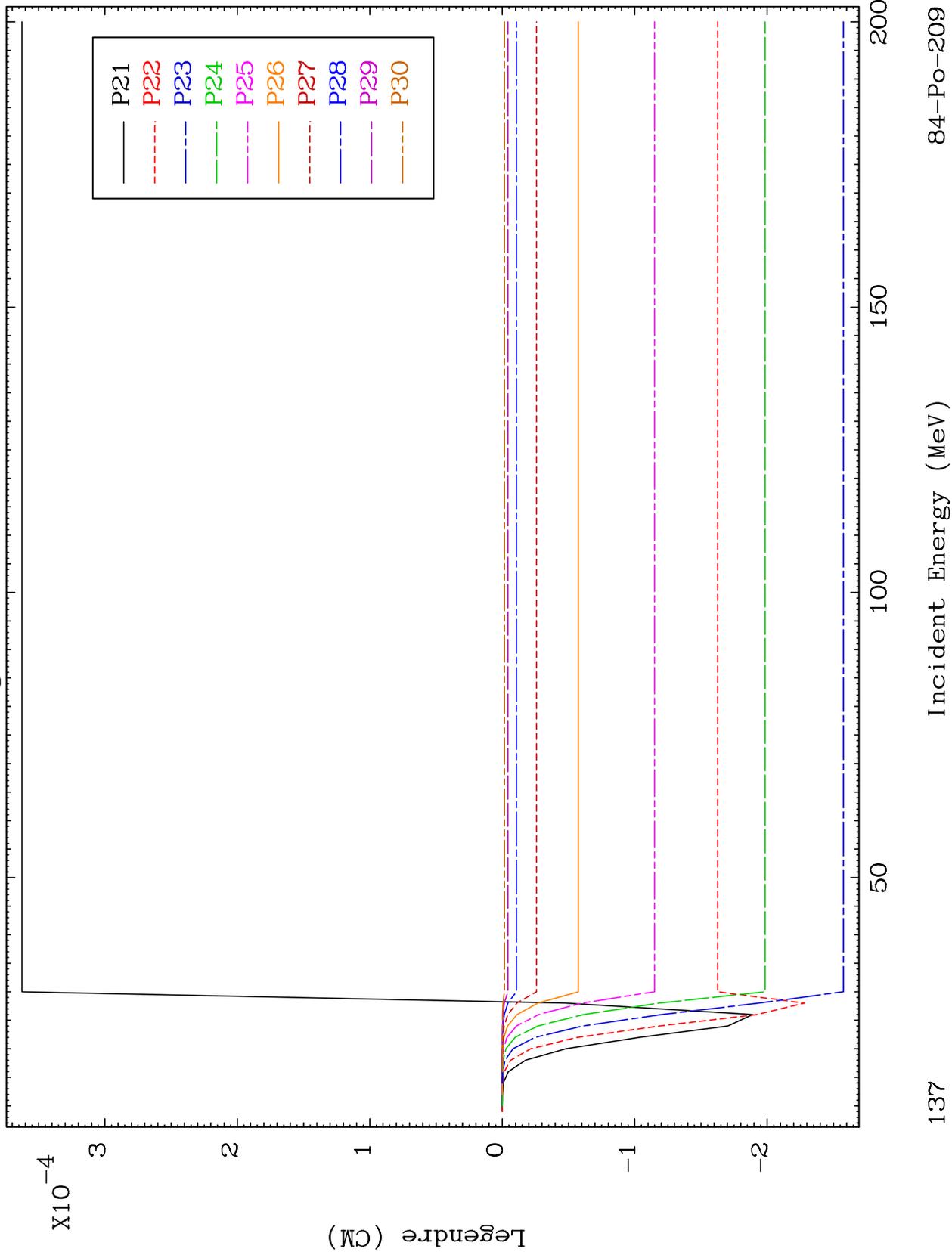
Incident Energy (MeV)

84-Po-209

MAT 8434

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

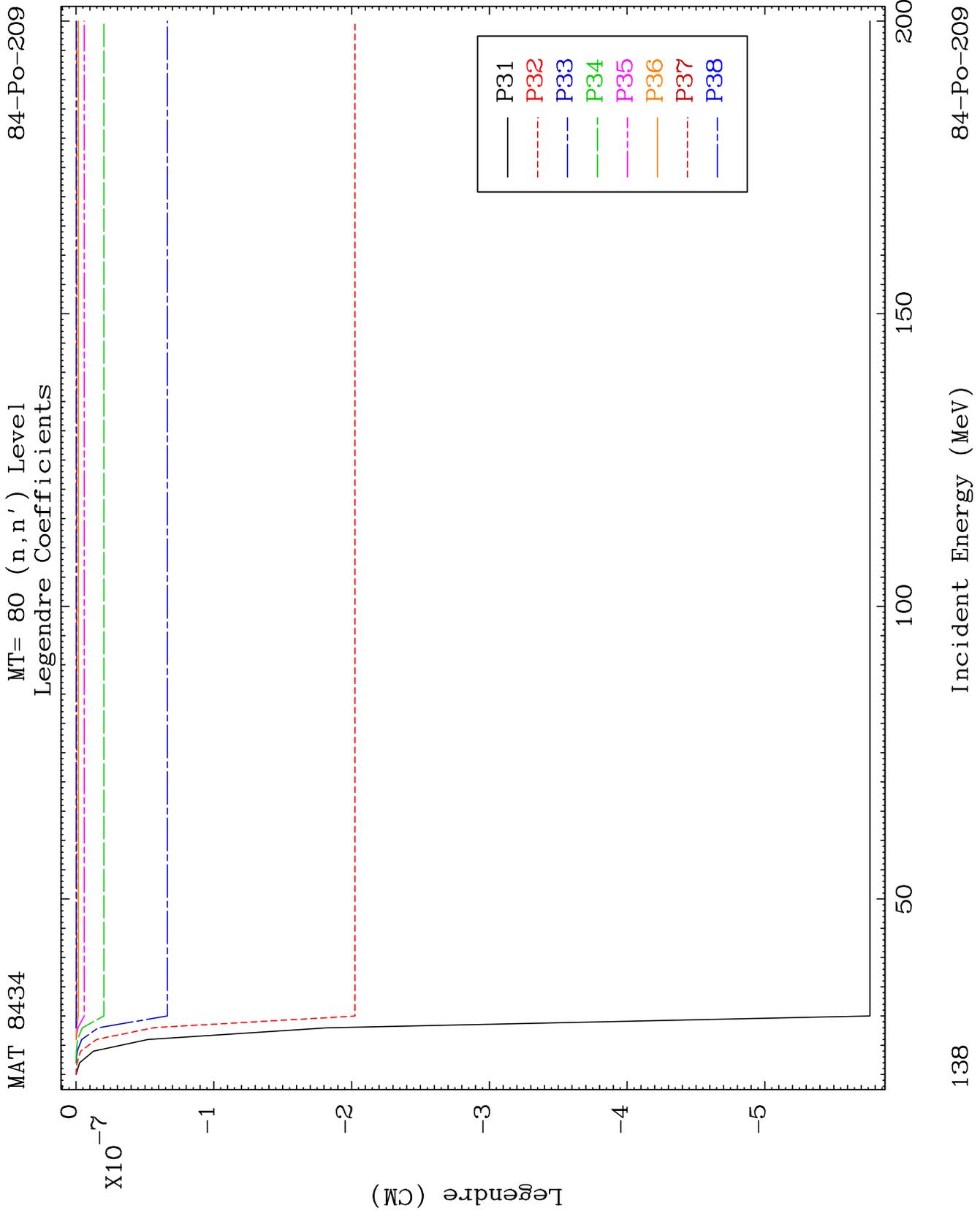
84-Po-209



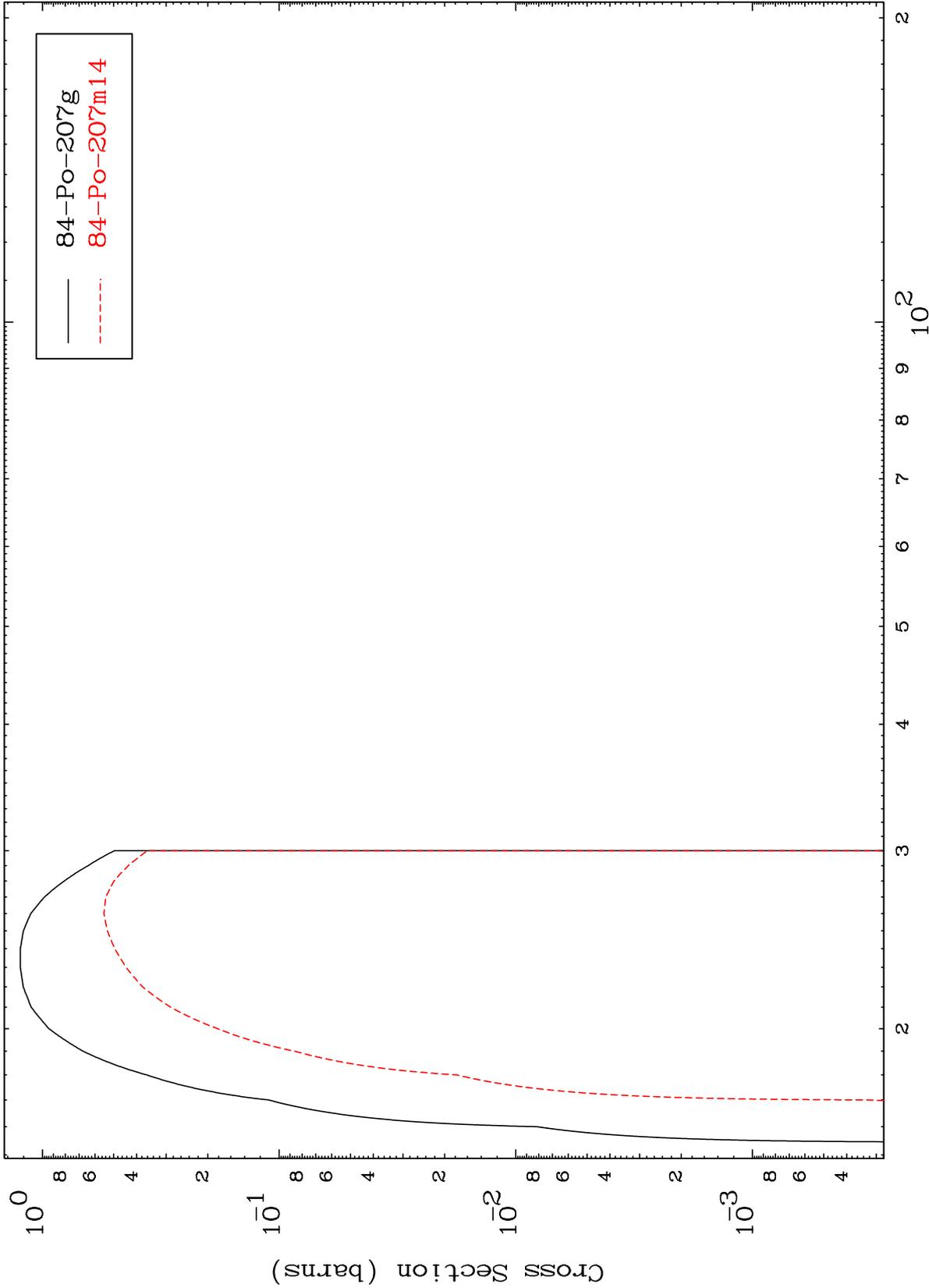
137

Incident Energy (MeV)

84-Po-209



Radionuclide Production Cross Section

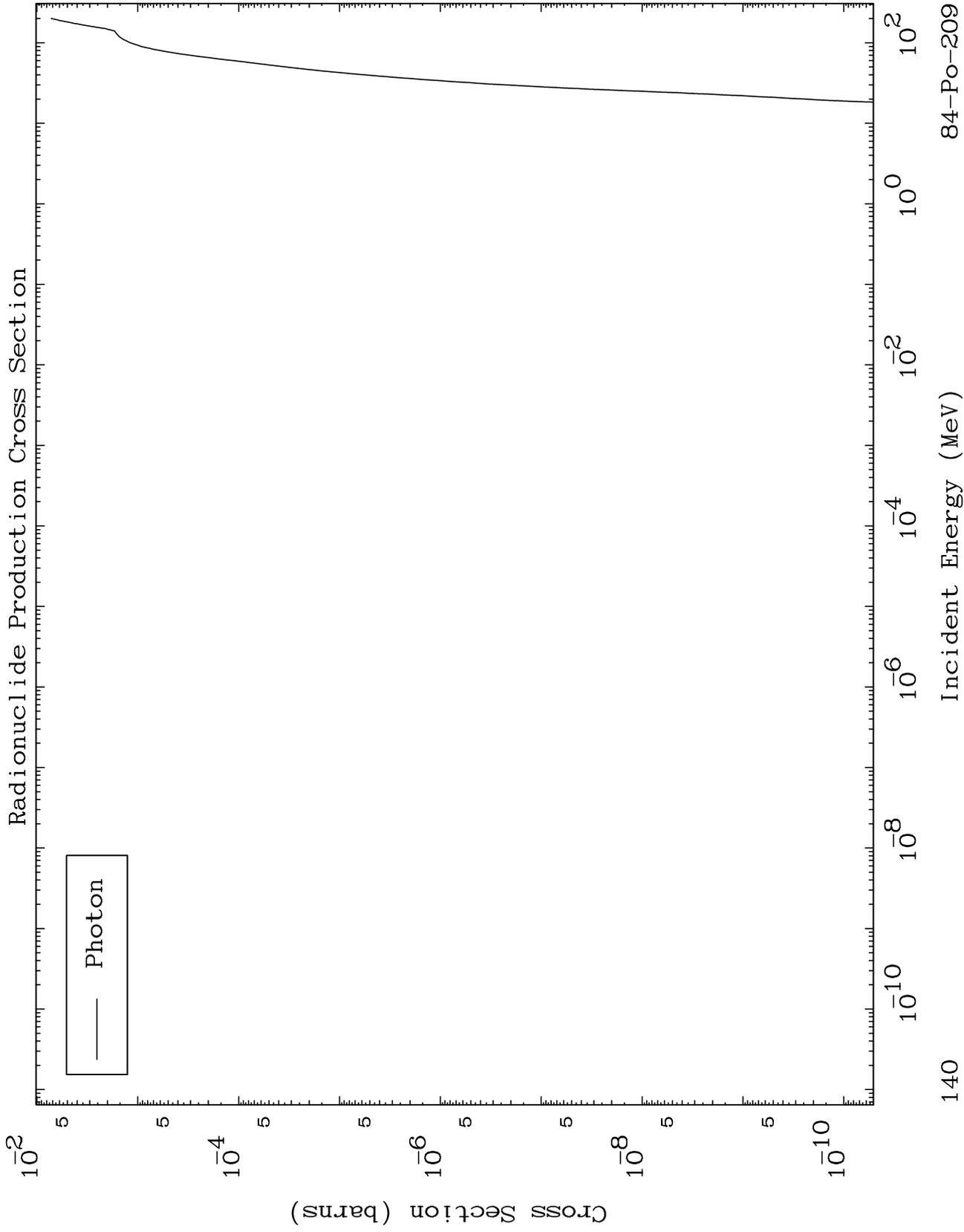


MAT 8434

Fission

84-Po-209

Radionuclide Production Cross Section



140

Incident Energy (MeV)

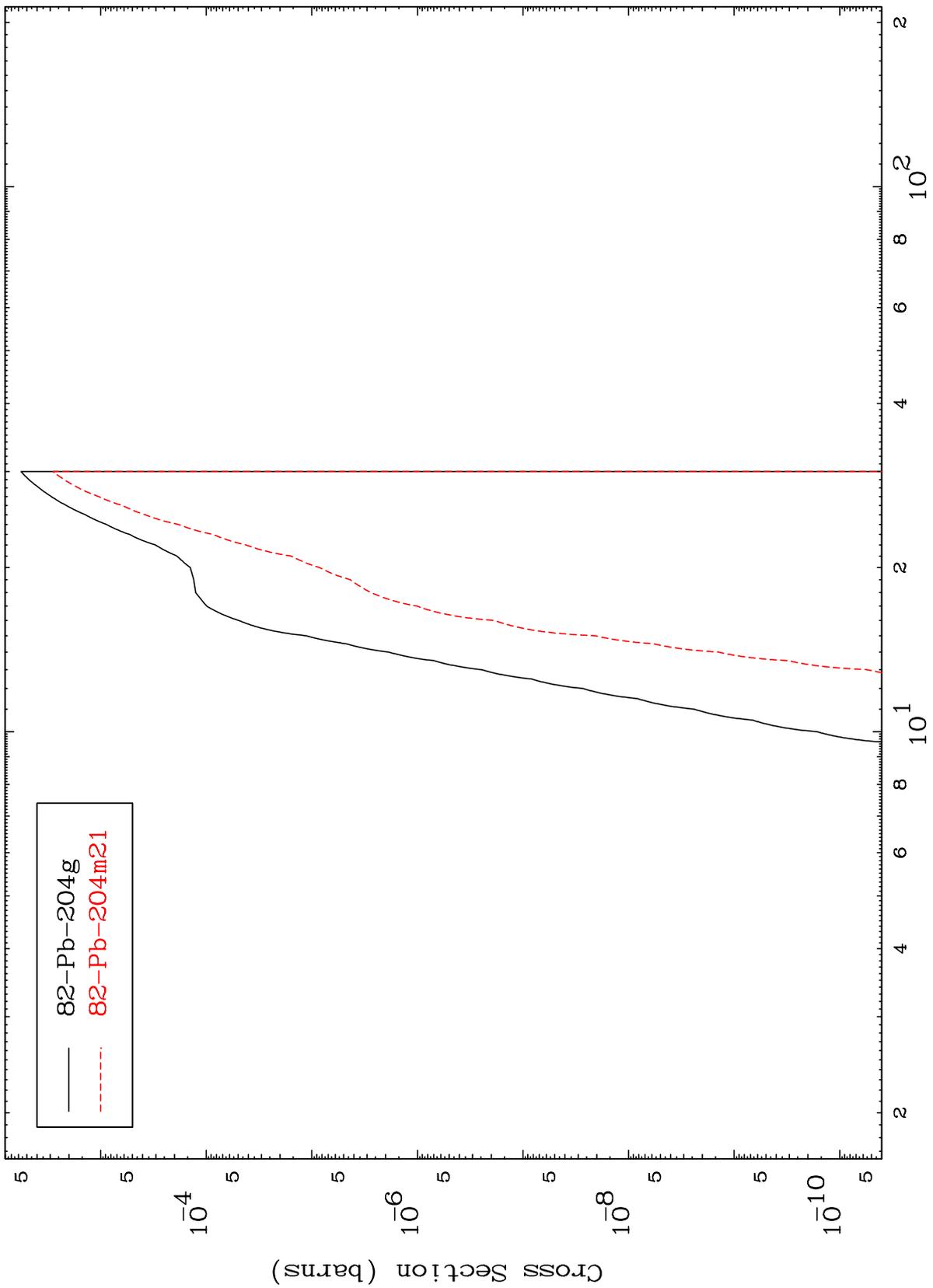
84-Po-209

MAT 8434

(n,2n) α

84-Po-209

Radionuclide Production Cross Section



141

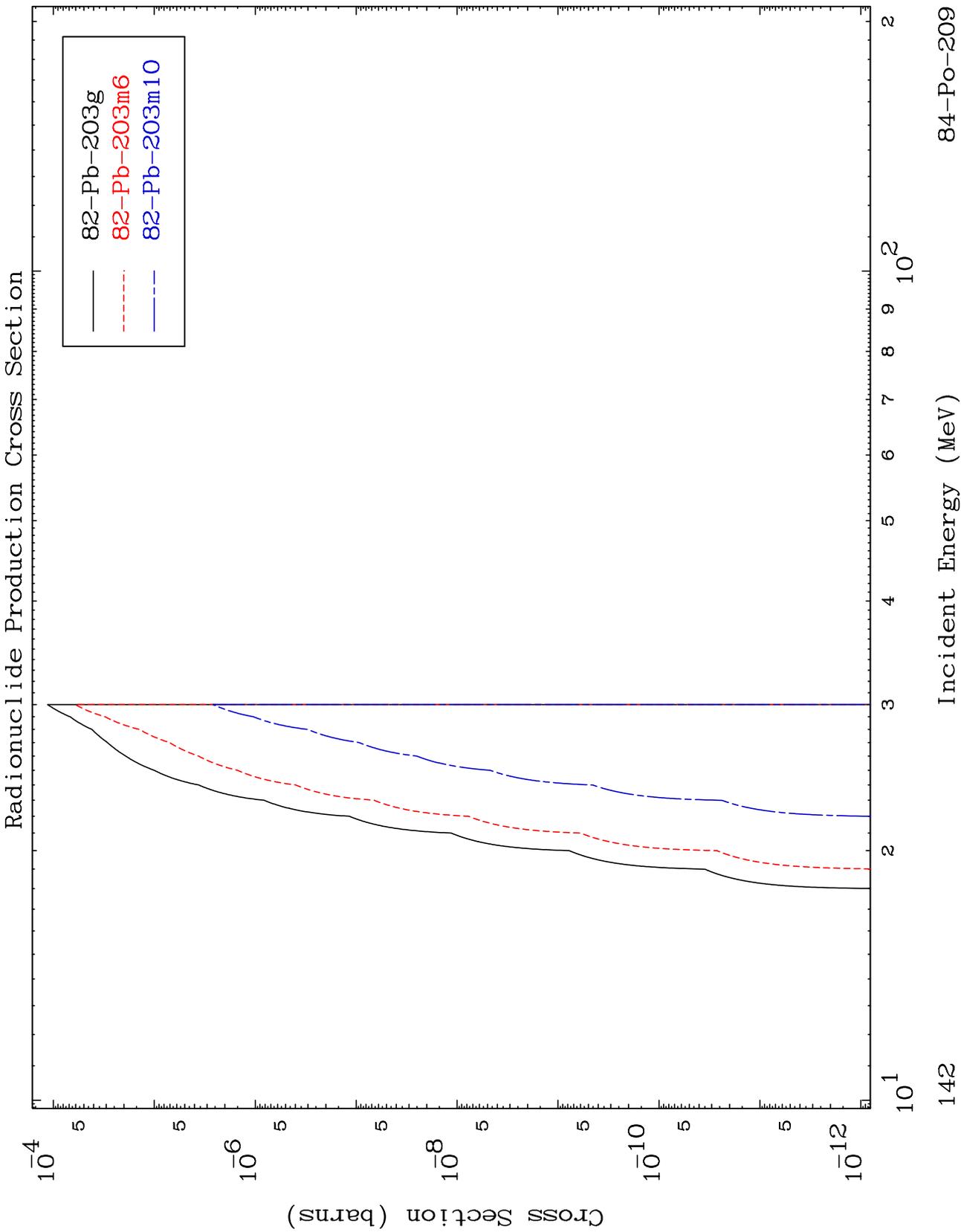
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,3n) α

84-Po-209



142

Incident Energy (MeV)

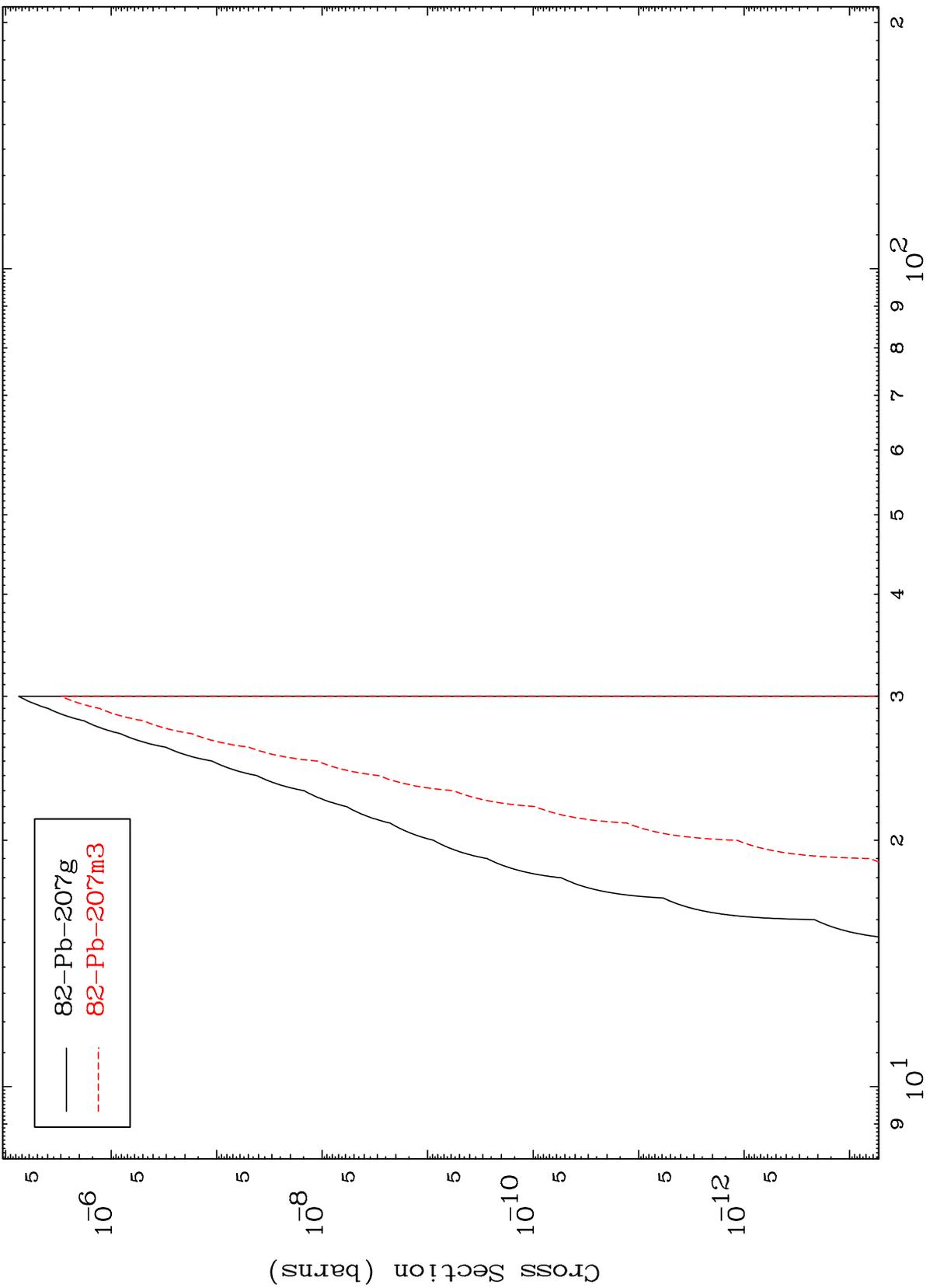
84-Po-209

MAT 8434

(n,2n) p

84-Po-209

Radionuclide Production Cross Section



82-Pb-207g
82-Pb-207m3

143

Incident Energy (MeV)

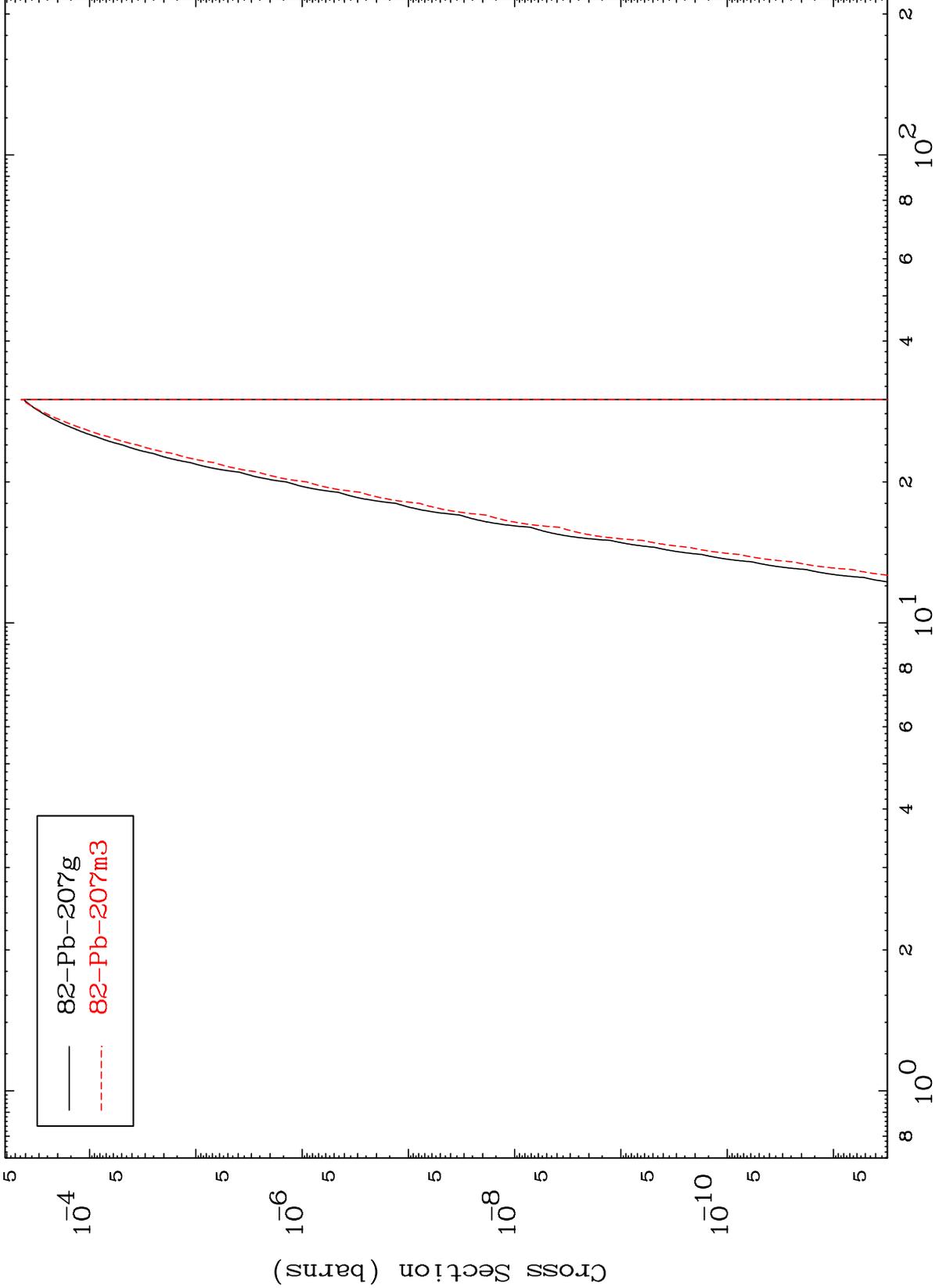
84-Po-209

MAT 8434

(n,He-3)

84-Po-209

Radionuclide Production Cross Section



144

Incident Energy (MeV)

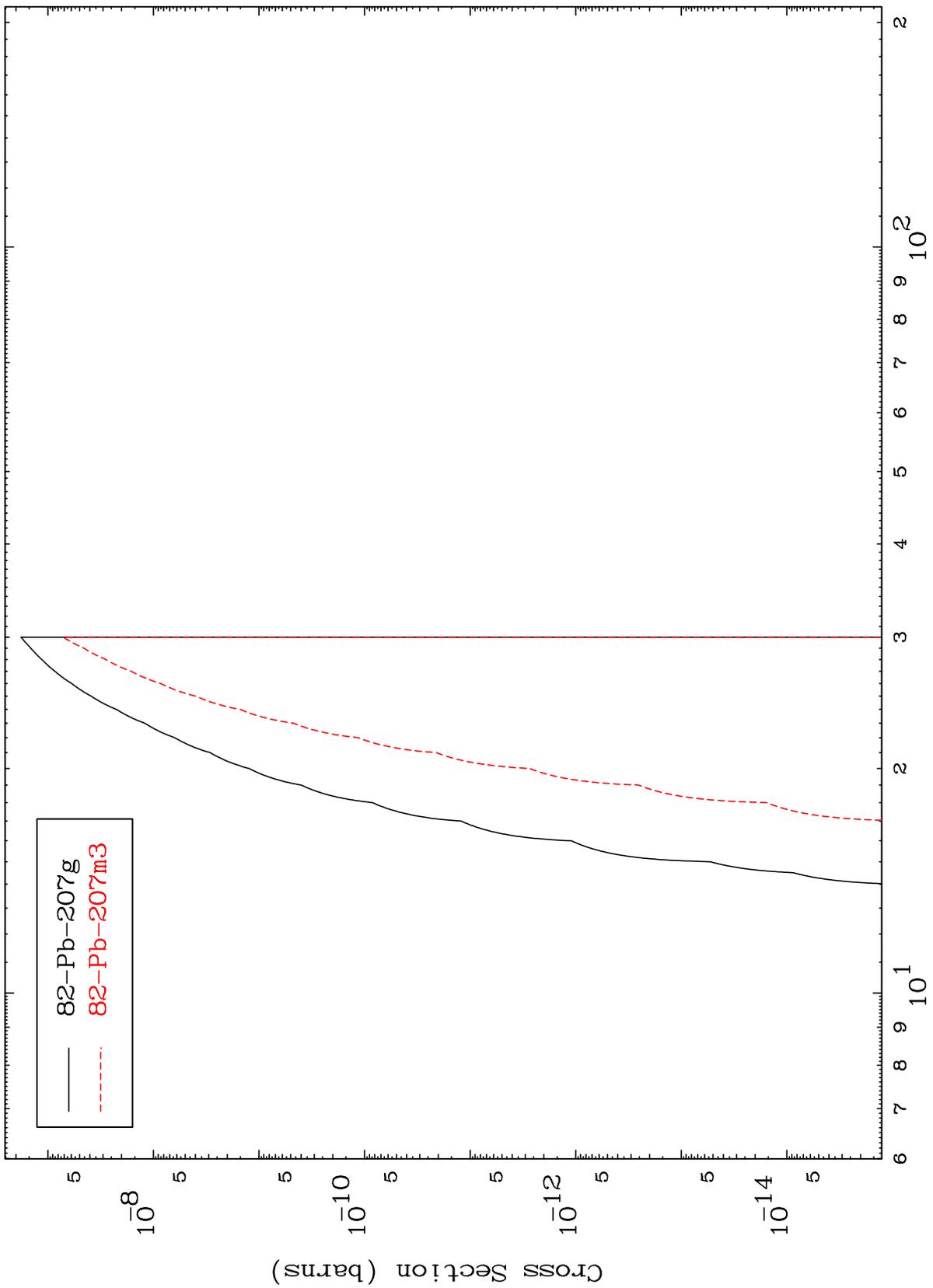
84-Po-209

MAT 8434

(n,p) d

84-Po-209

Radionuclide Production Cross Section



82-Pb-207g
82-Pb-207m3

145

Incident Energy (MeV)

84-Po-209