

Program EVALPLOT
(Version 2021-1)

by

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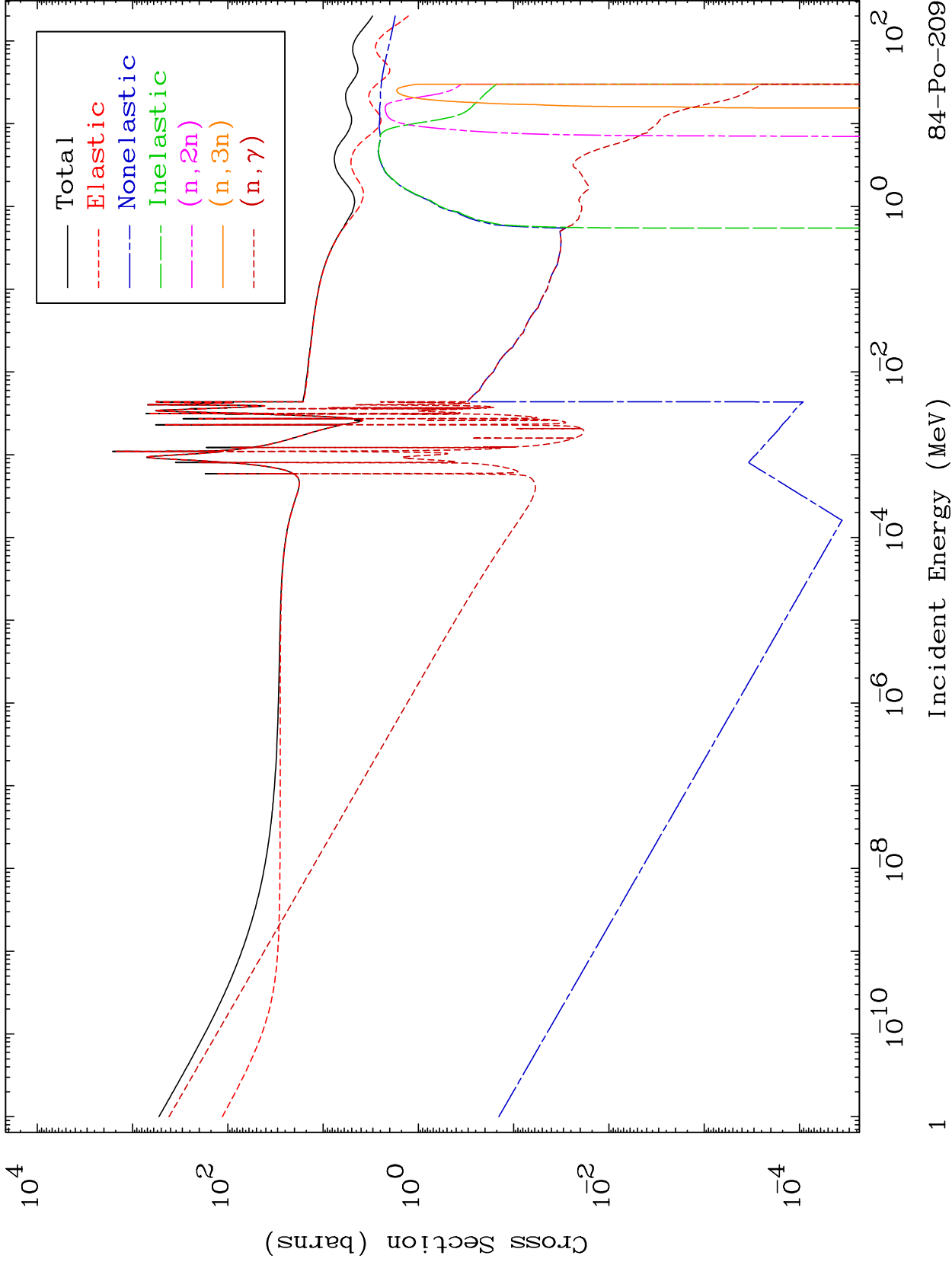
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8434

Neutron Major
293 Kelvin Cross Sections

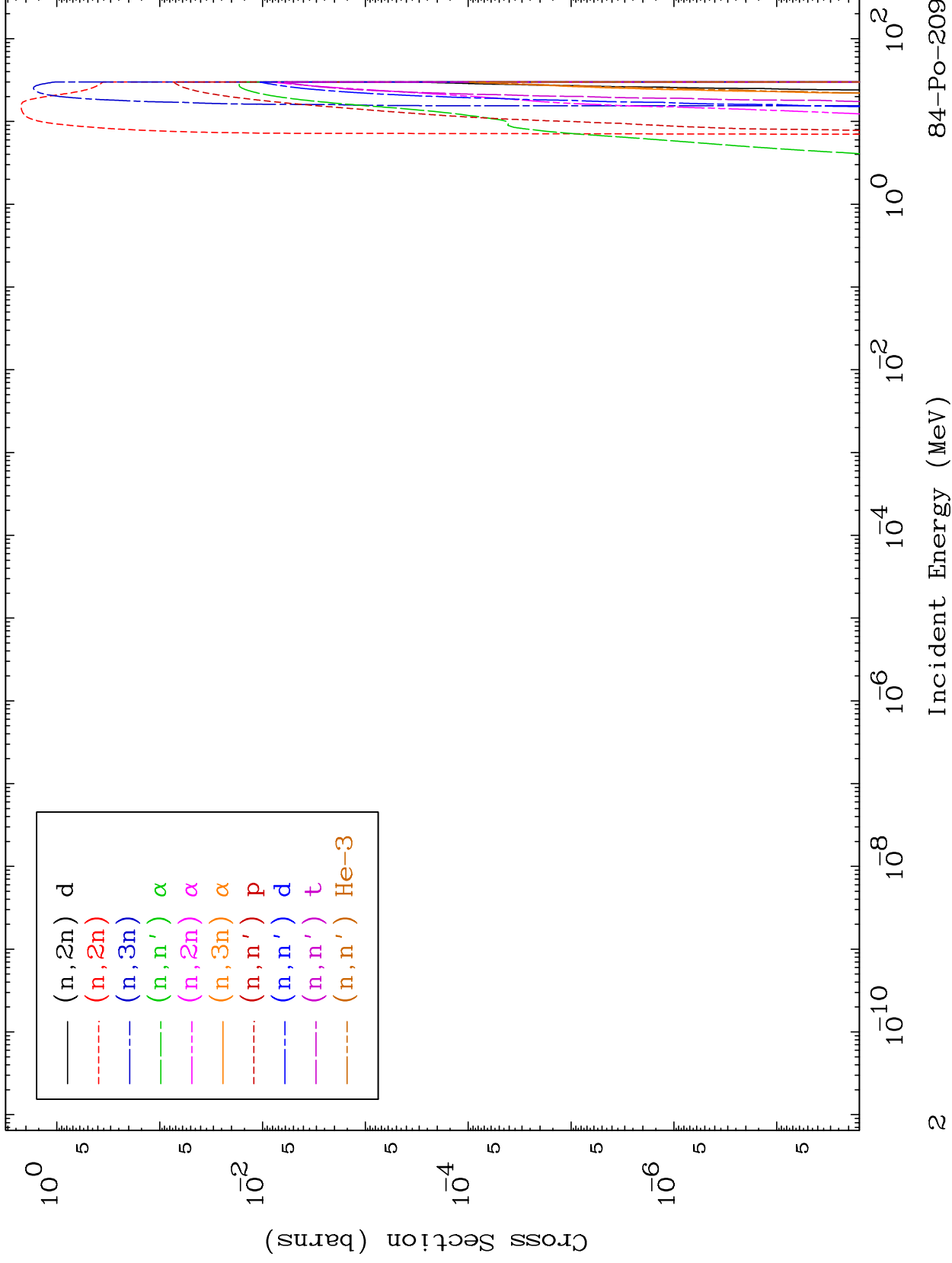
84-Po-209



MAT 8434

Neutron Absorption
293 Kelvin Cross Sections

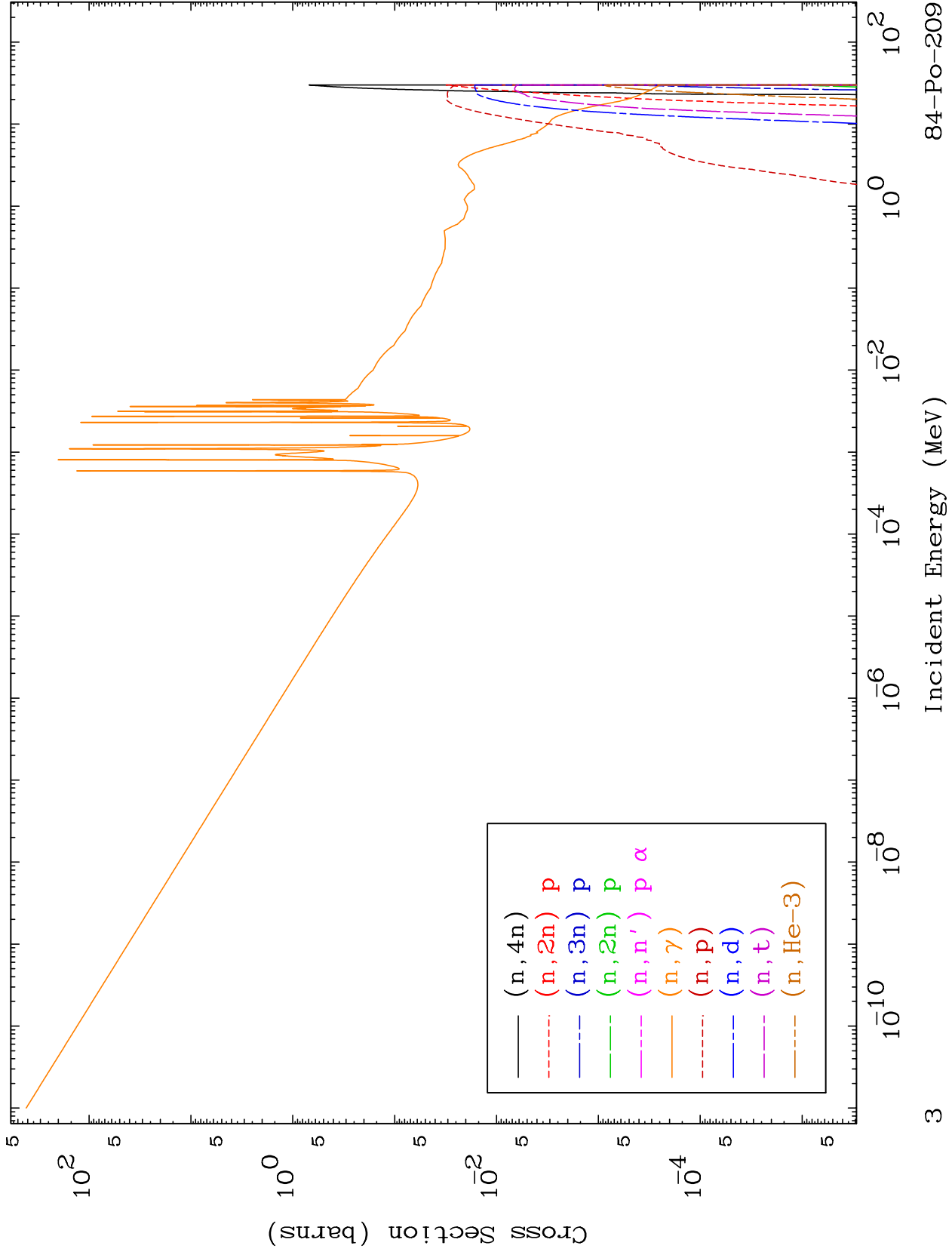
84-Po-209



MAT 8434

Neutron Absorption
293 Kelvin Cross Sections

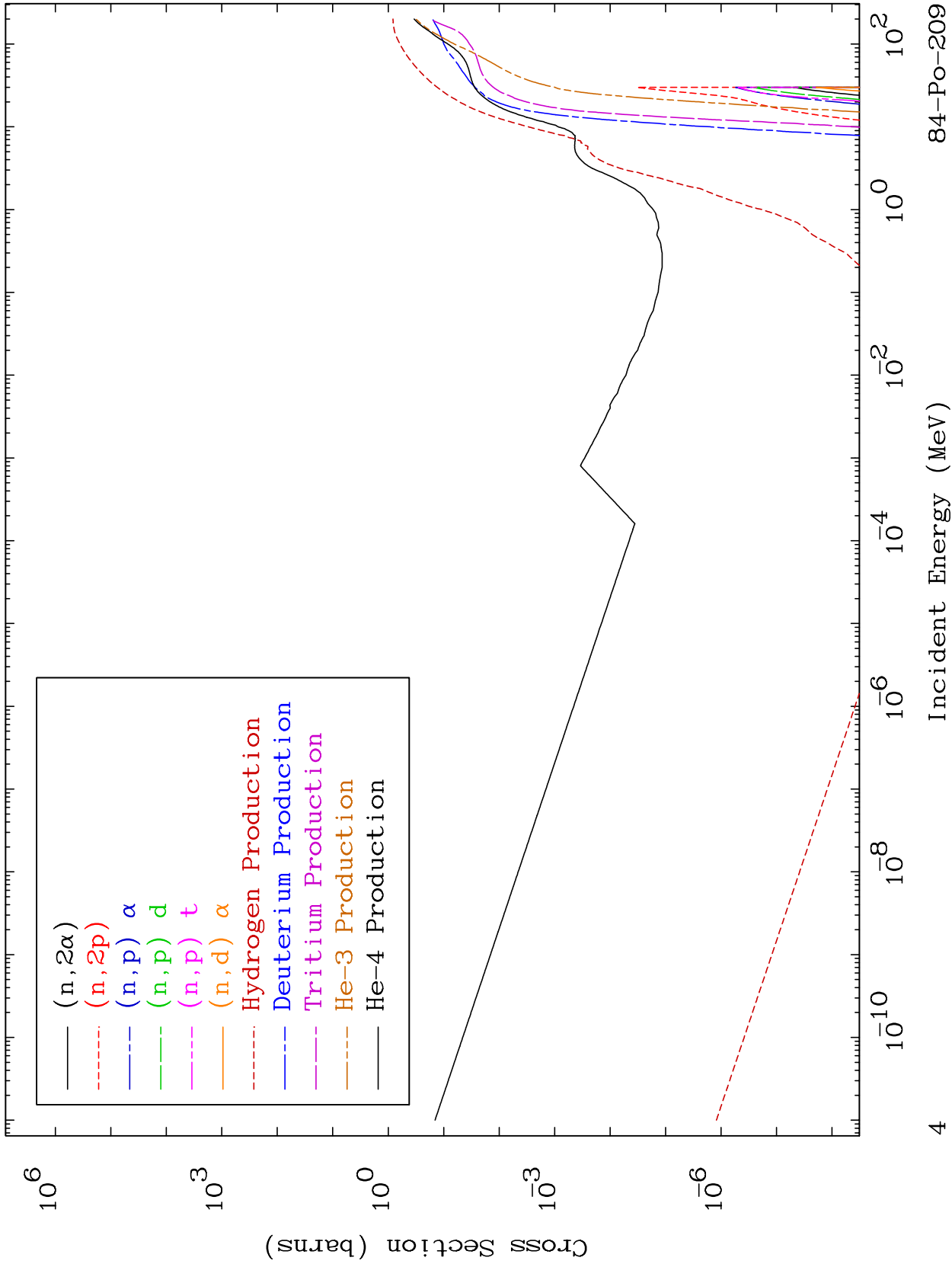
84-Po-209



MAT 8434

Neutron Absorption
293 Kelvin Cross Sections

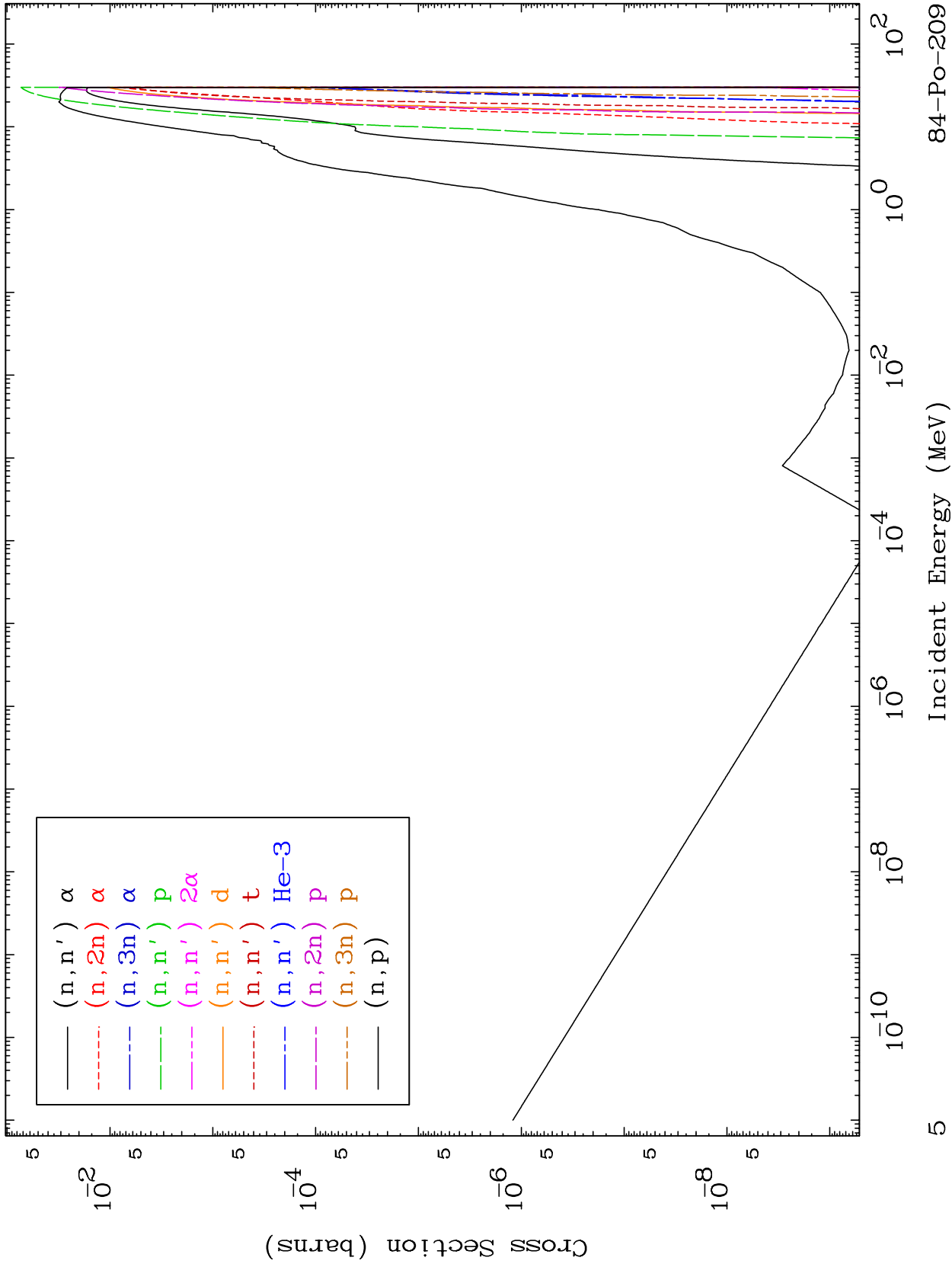
84-Po-209



MAT 8434

Charged Particle
293 Kelvin Cross Sections

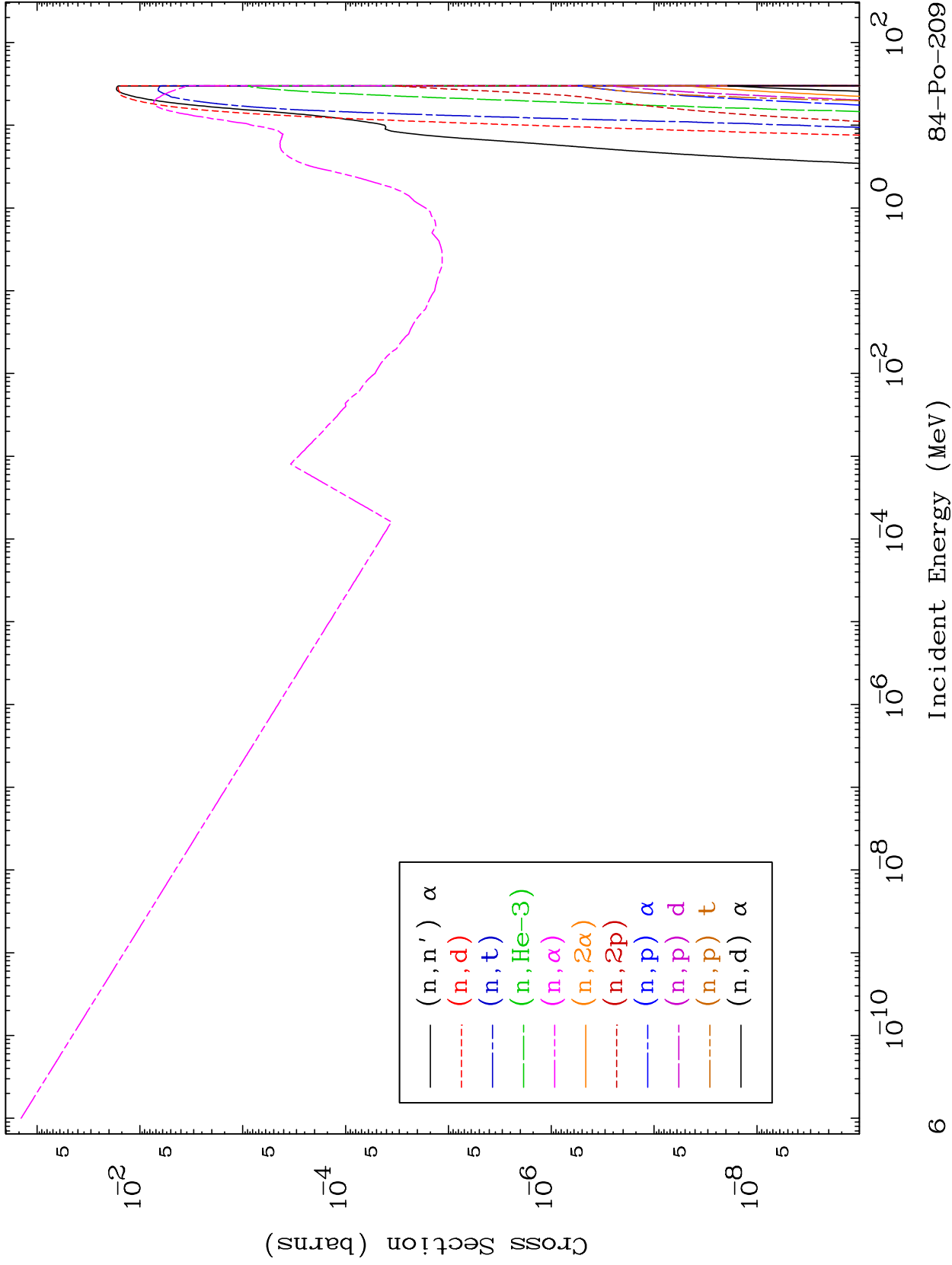
84-Po-209



MAT 8434

Charged Particle
293 Kelvin Cross Sections

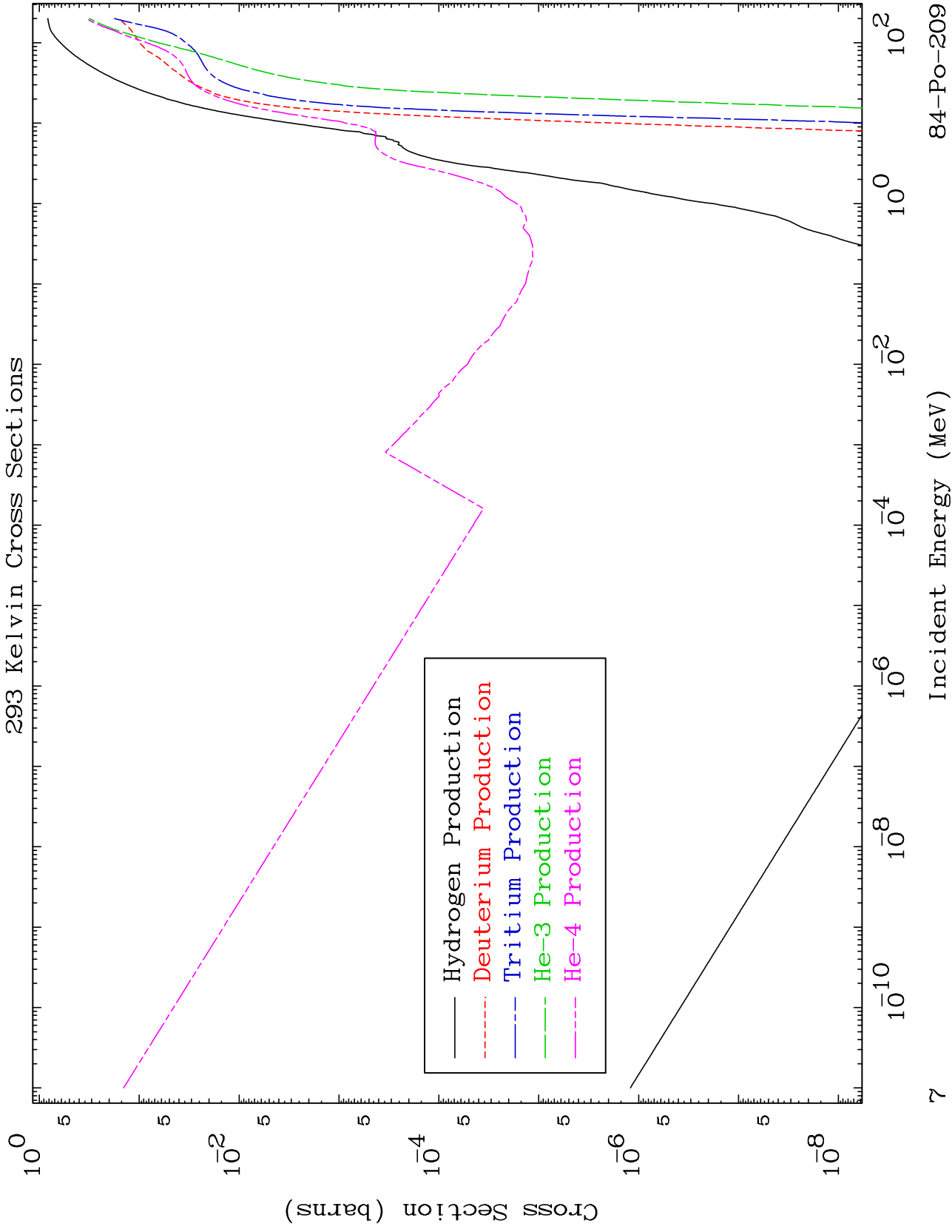
84-Po-209



MAT 8434

Particle Production
293 Kelvin Cross Sections

84-Po-209

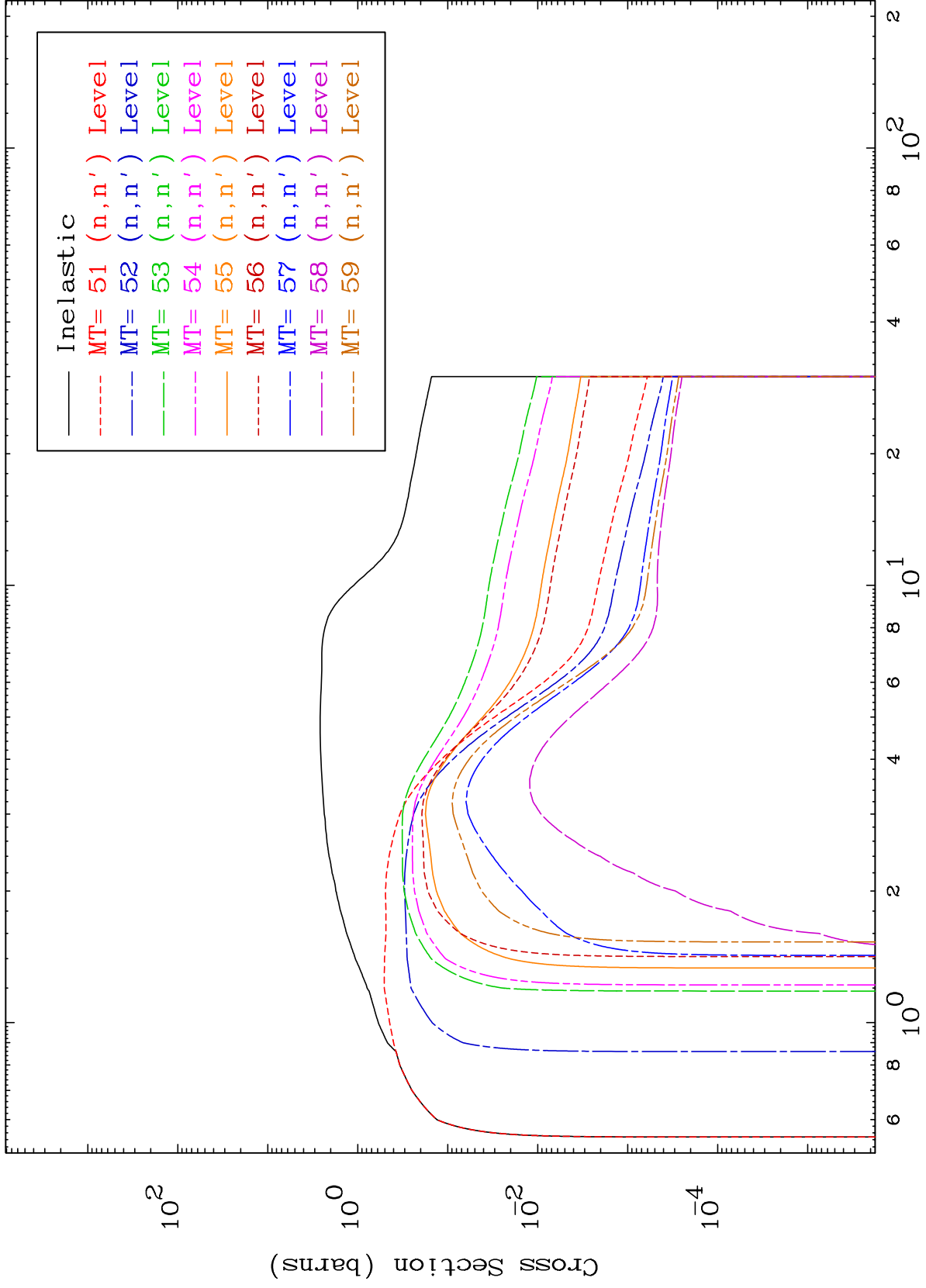


MAT 8434

(n,n') Levels

84-Po-209

293 Kelvin Cross Sections



8

Incident Energy (MeV)

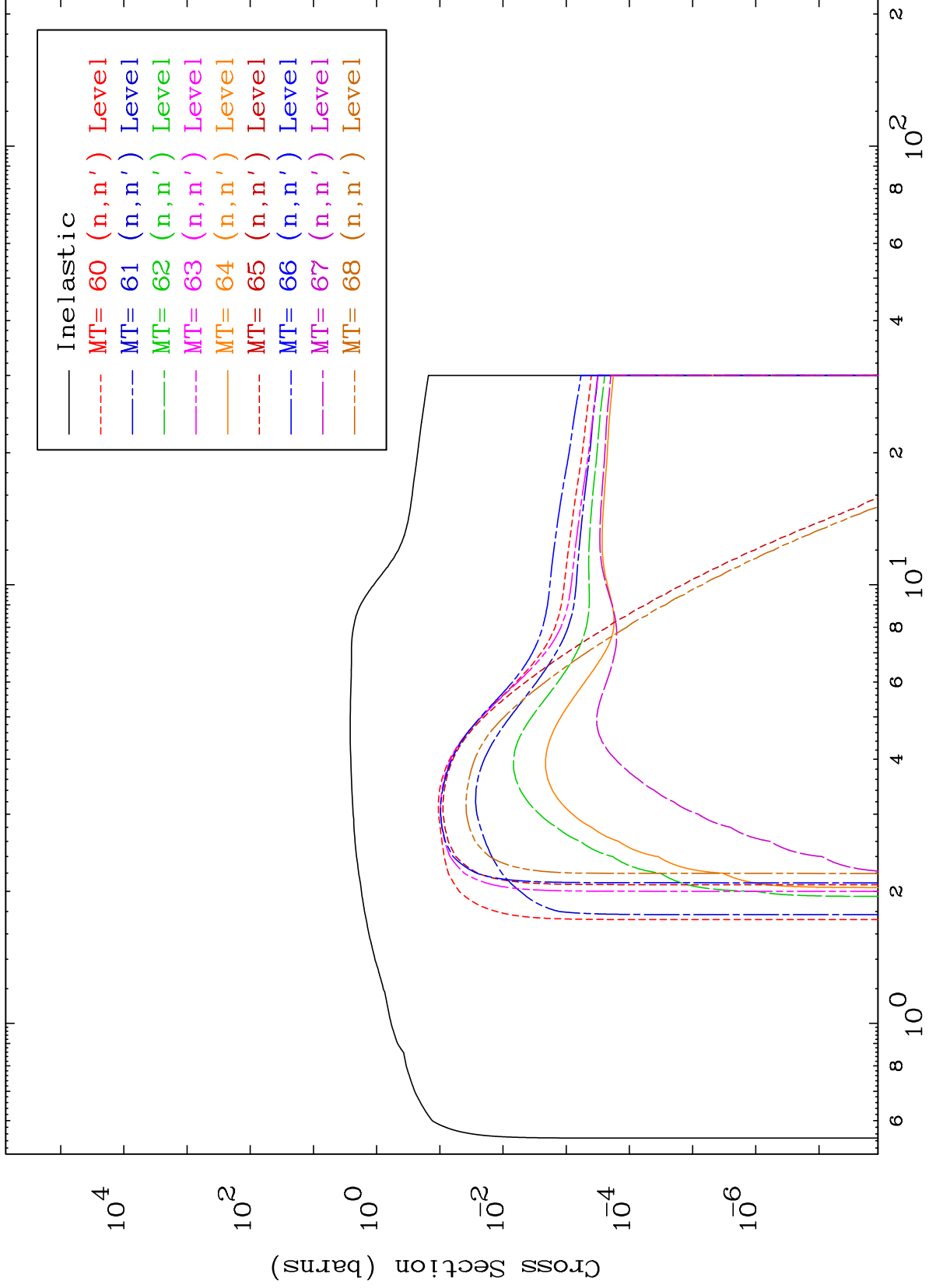
84-Po-209

MAT 8434

(n,n') Levels

84-Po-209

293 Kelvin Cross Sections

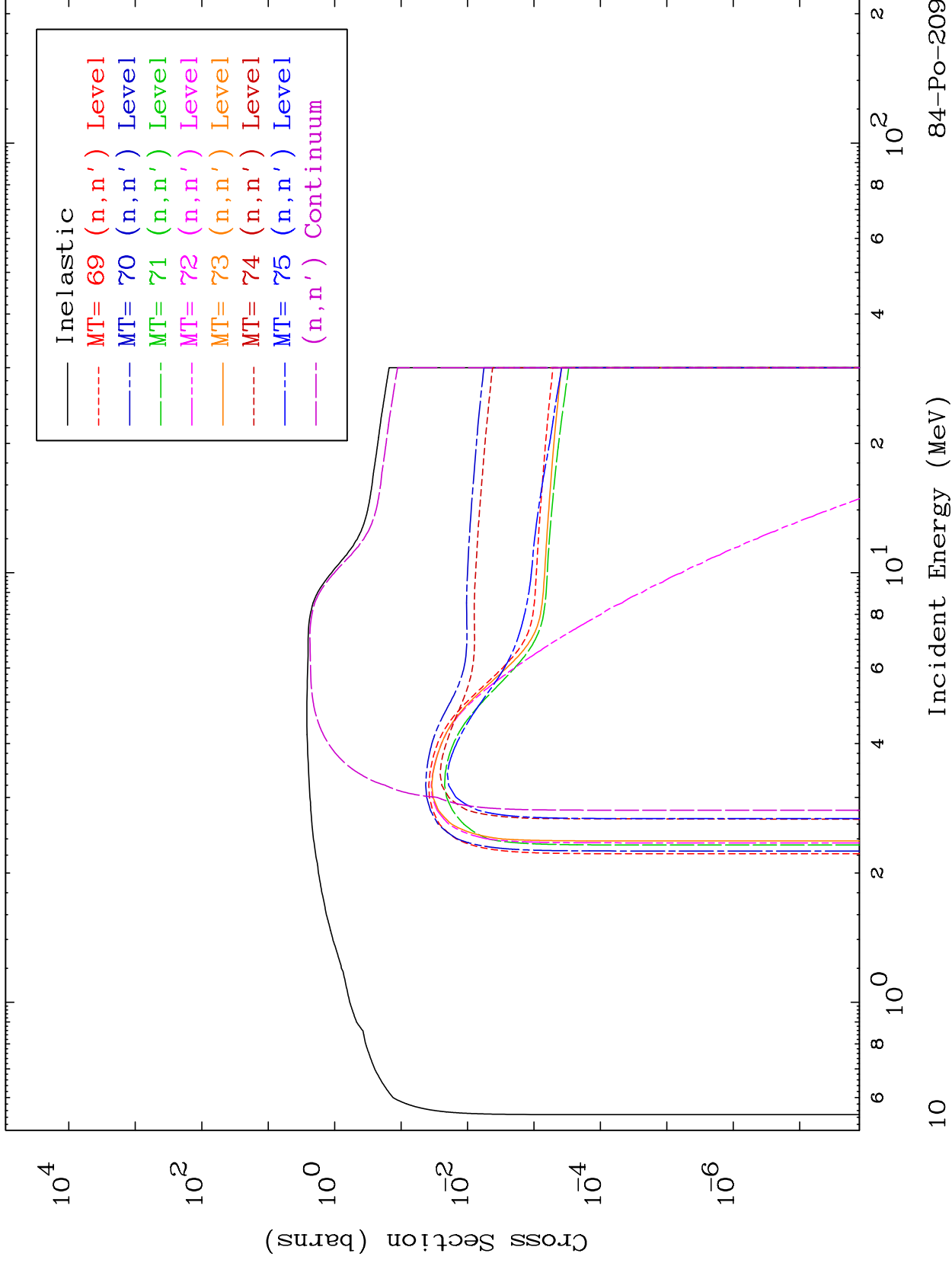


MAT 8434

(n,n') Levels

84-Po-209

293 Kelvin Cross Sections



10

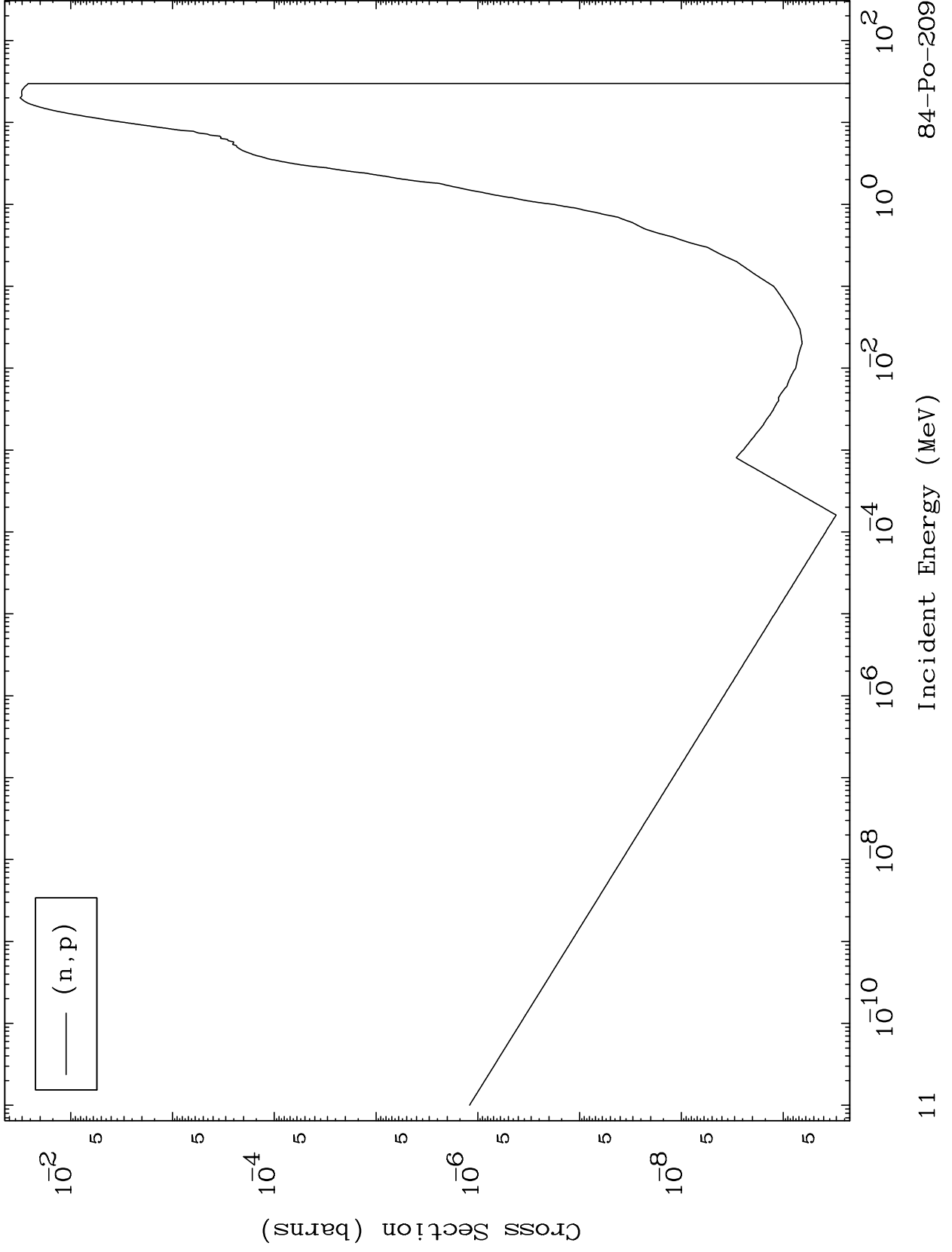
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,p) Levels
293 Kelvin Cross Sections

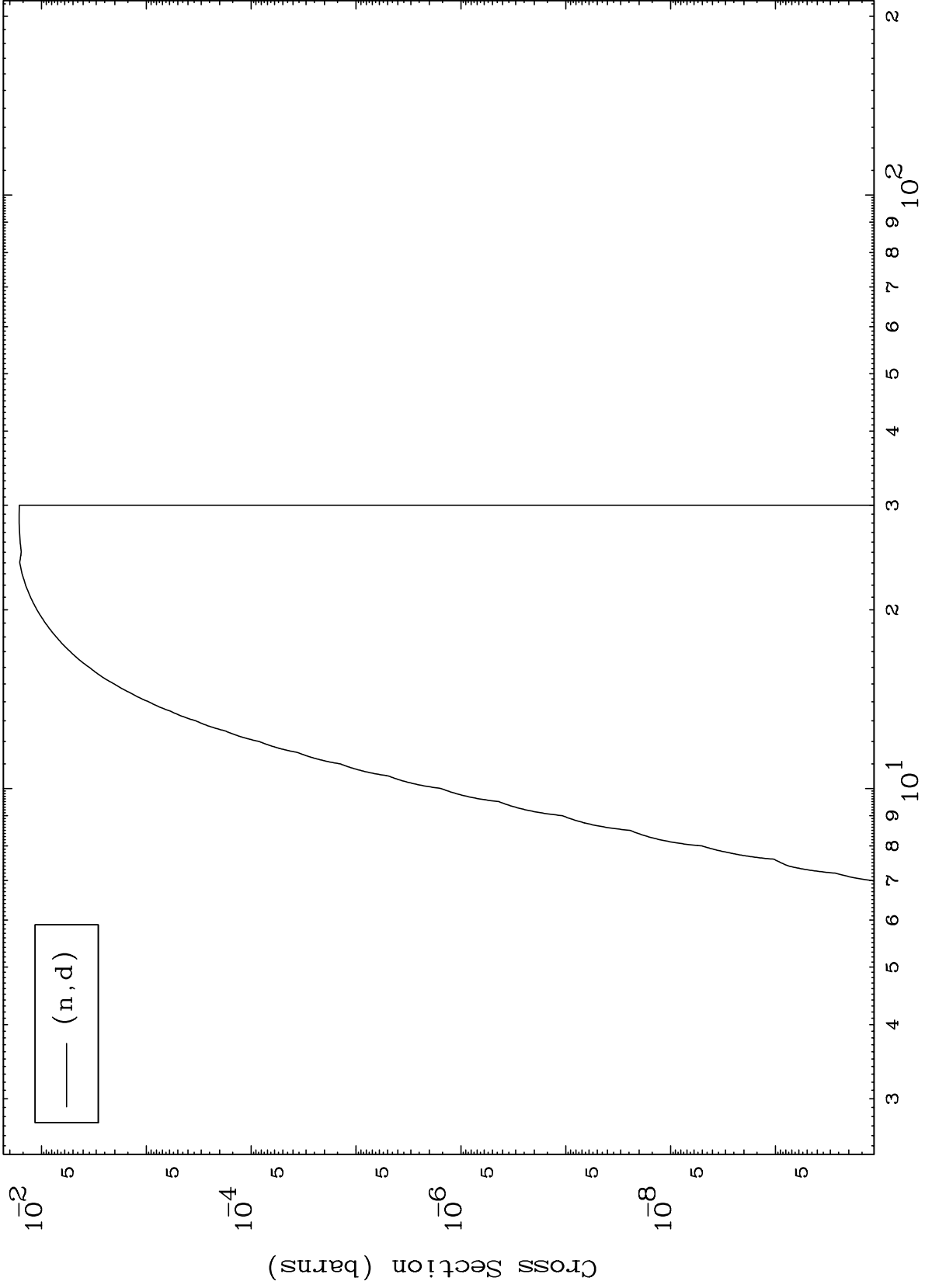
84-Po-209



MAT 8434

(n,d) Levels
293 Kelvin Cross Sections

84-Po-209



12

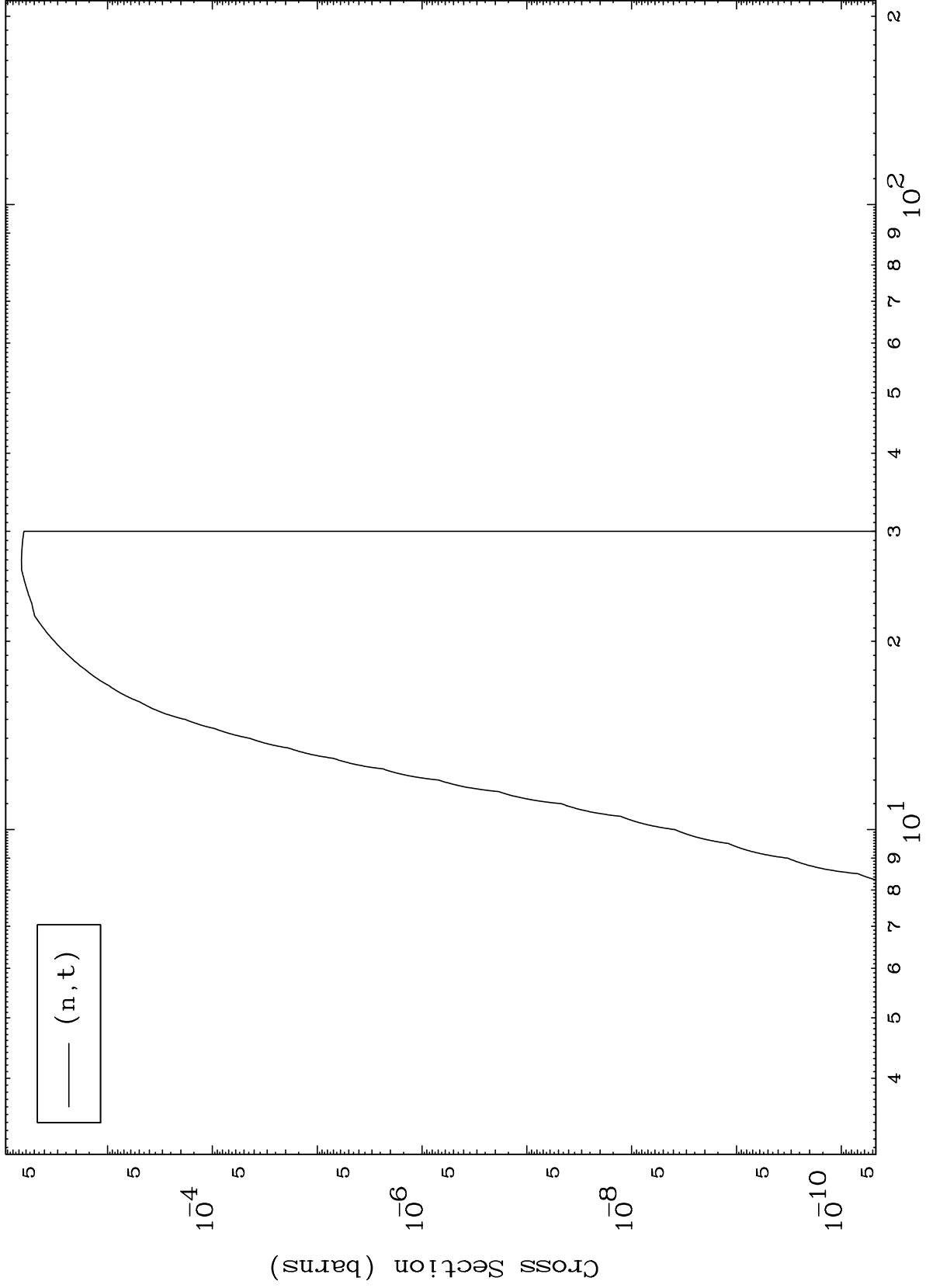
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,t) Levels
293 Kelvin Cross Sections

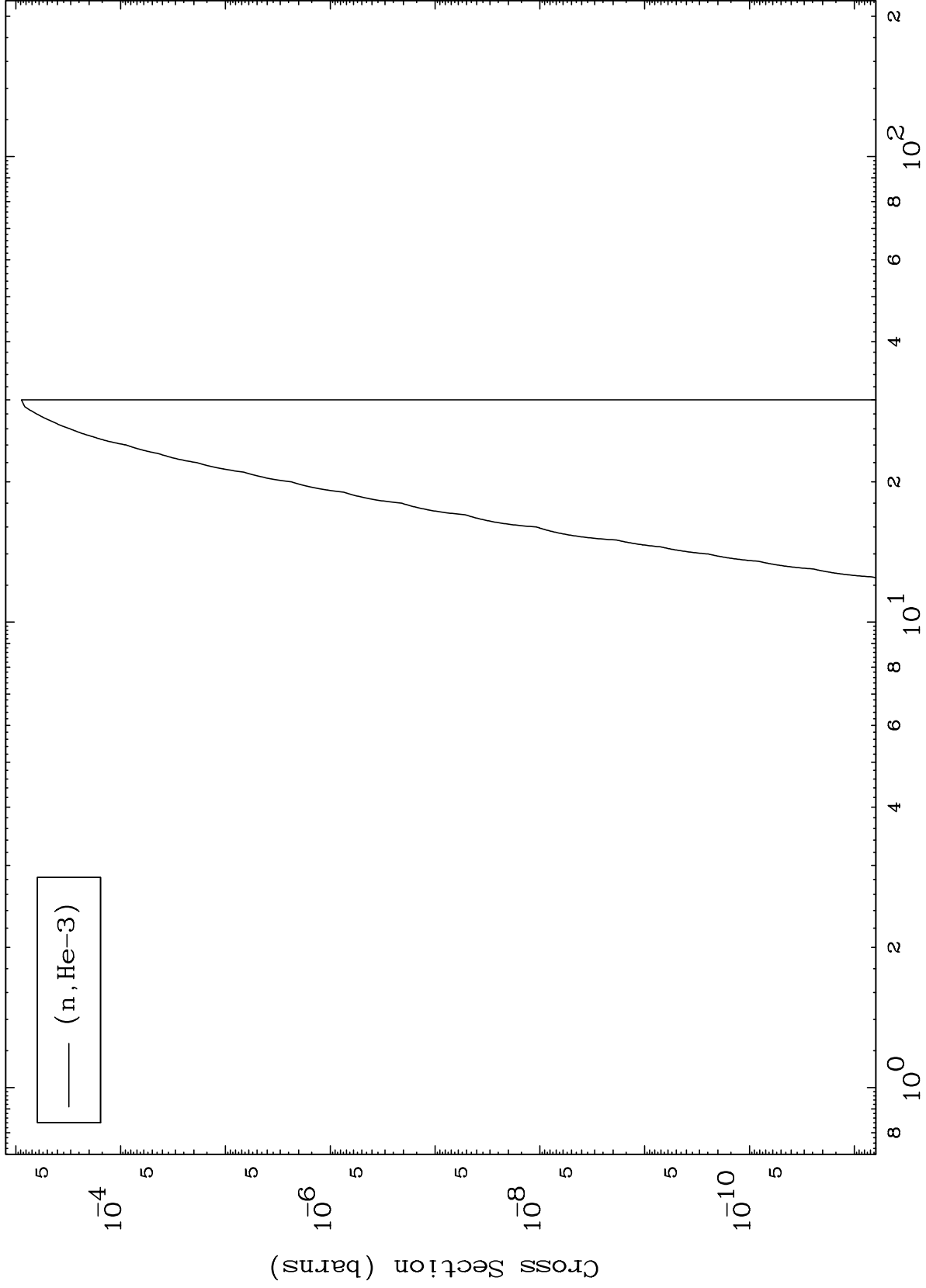
84-Po-209



MAT 8434

(n,He3) Levels
293 Kelvin Cross Sections

84-Po-209



14

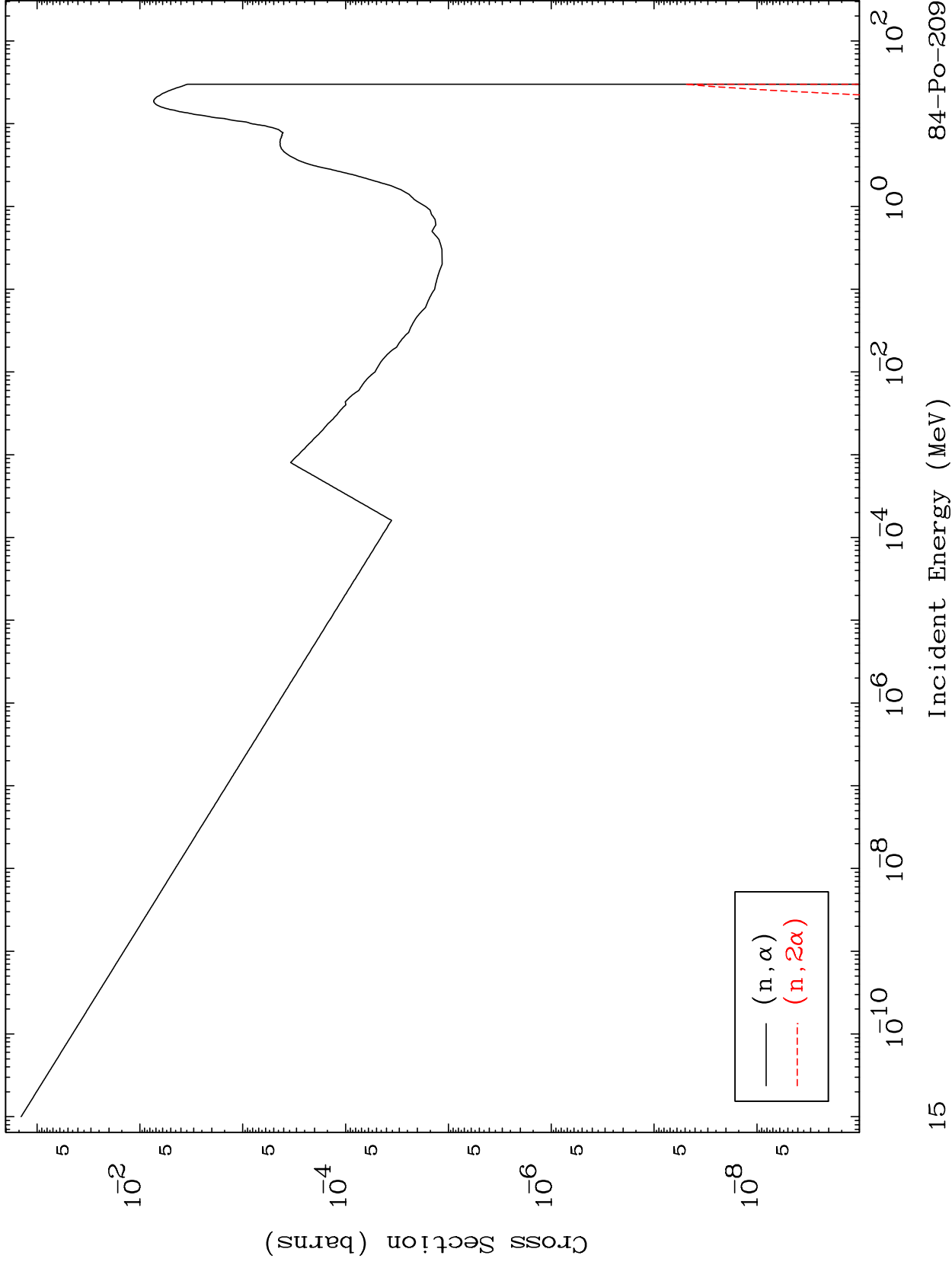
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,α) Levels
293 Kelvin Cross Sections

84-Po-209

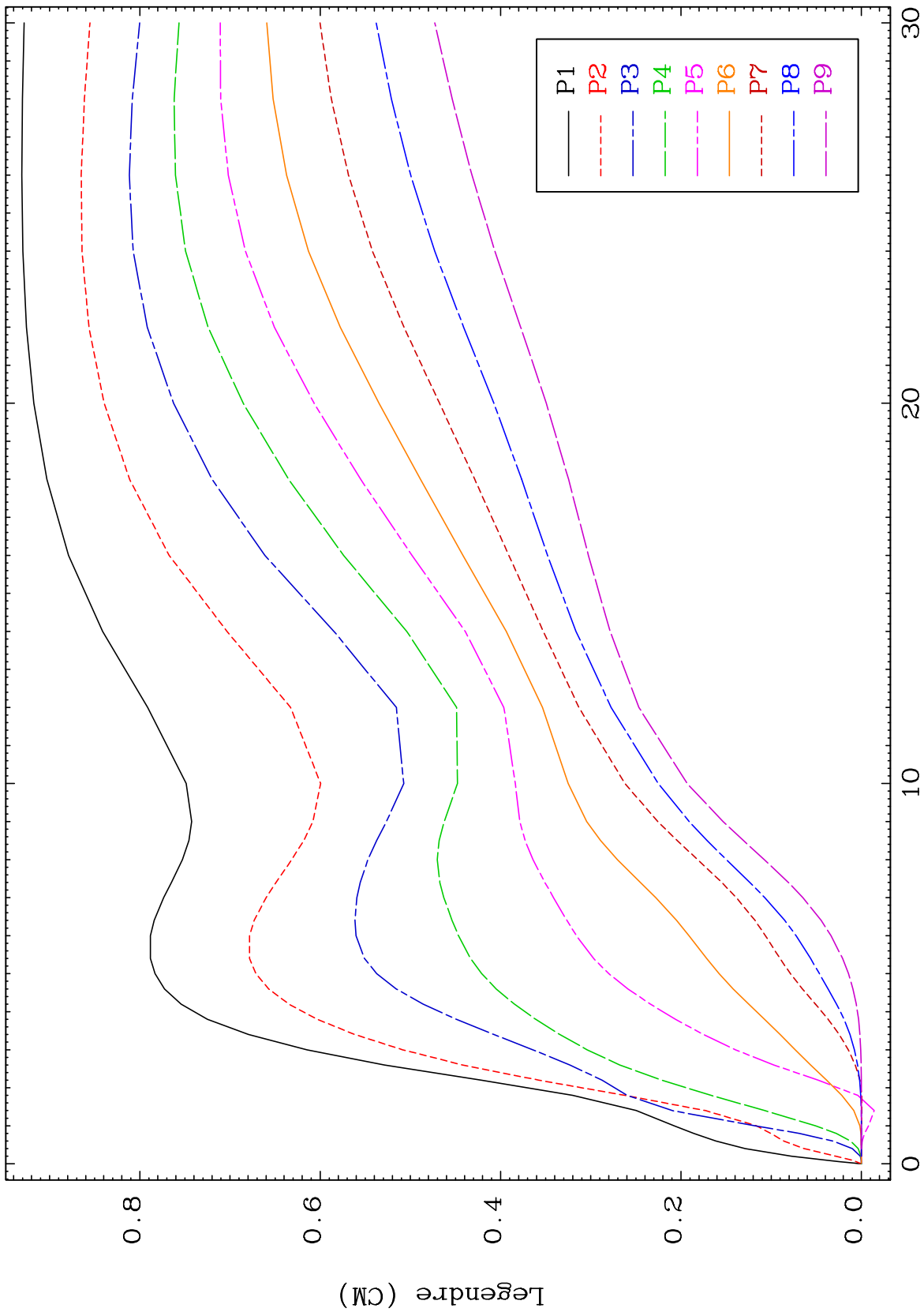


15

MAT 8434

84-Po-209

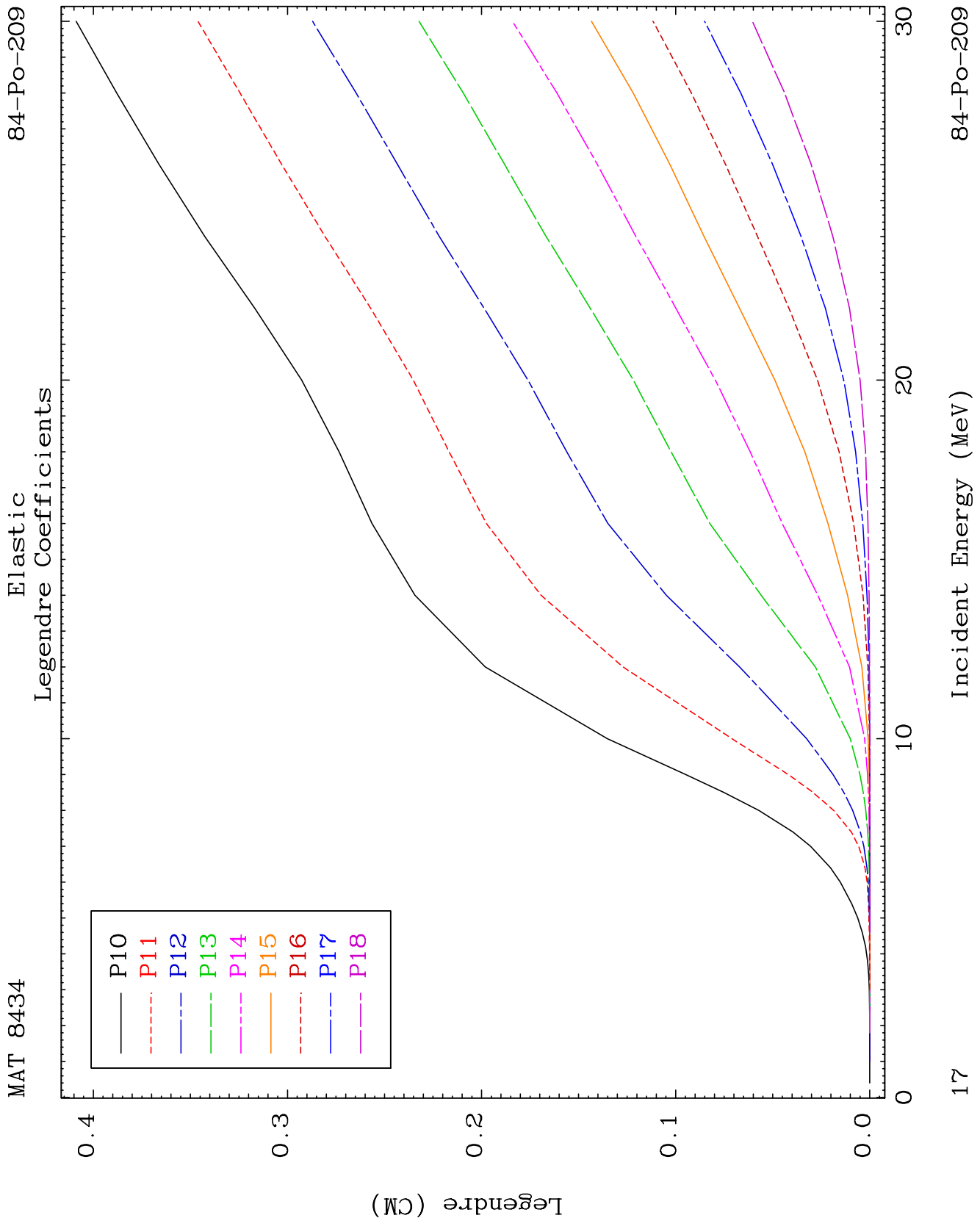
Elastic Legendre Coefficients



16

Incident Energy (MeV)

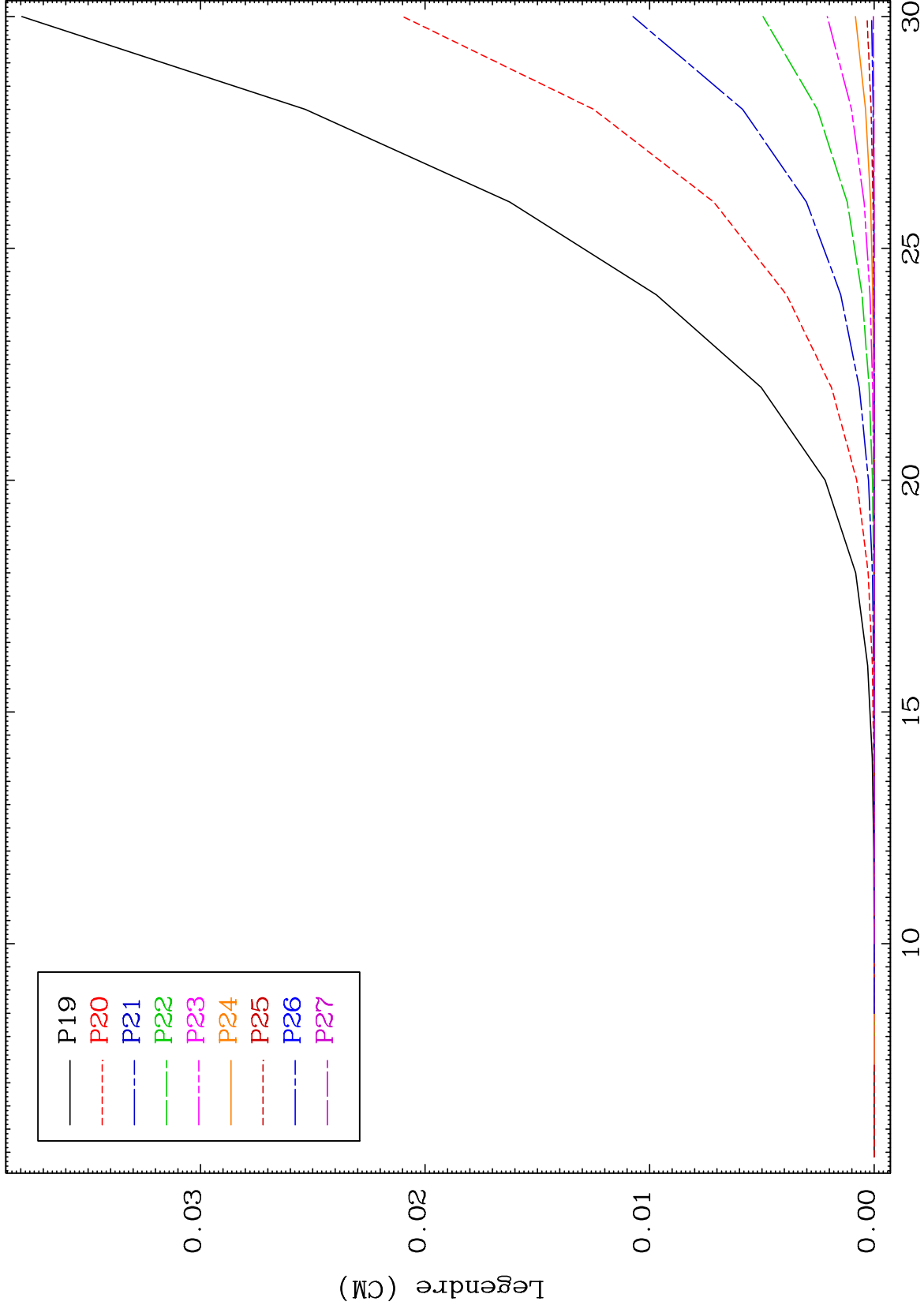
84-Po-209



MAT 8434

Elastic Legendre Coefficients

84-Po-209



18

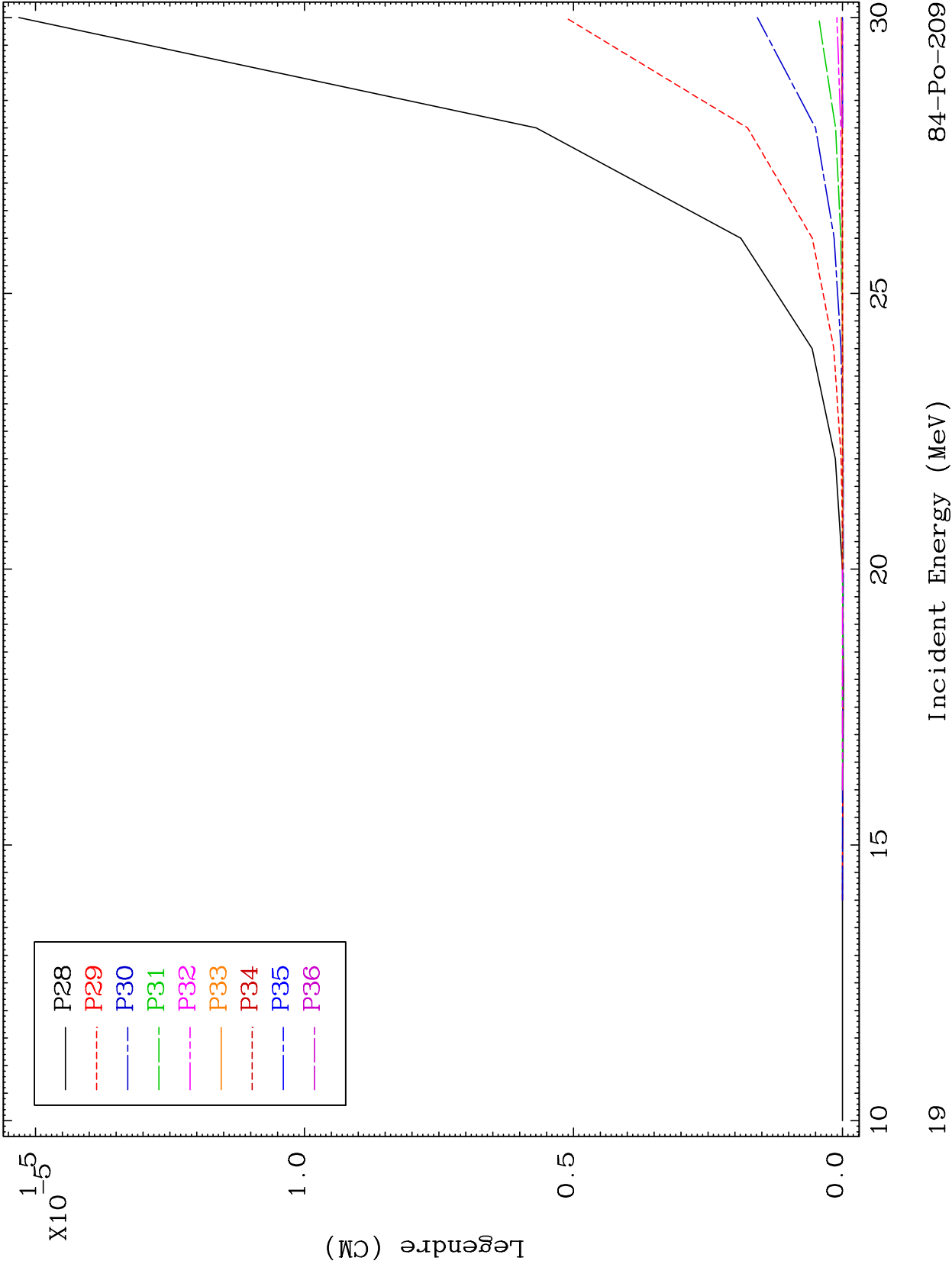
Incident Energy (MeV)

84-Po-209

MAT 8434

Elastic Legendre Coefficients

84-Po-209



19

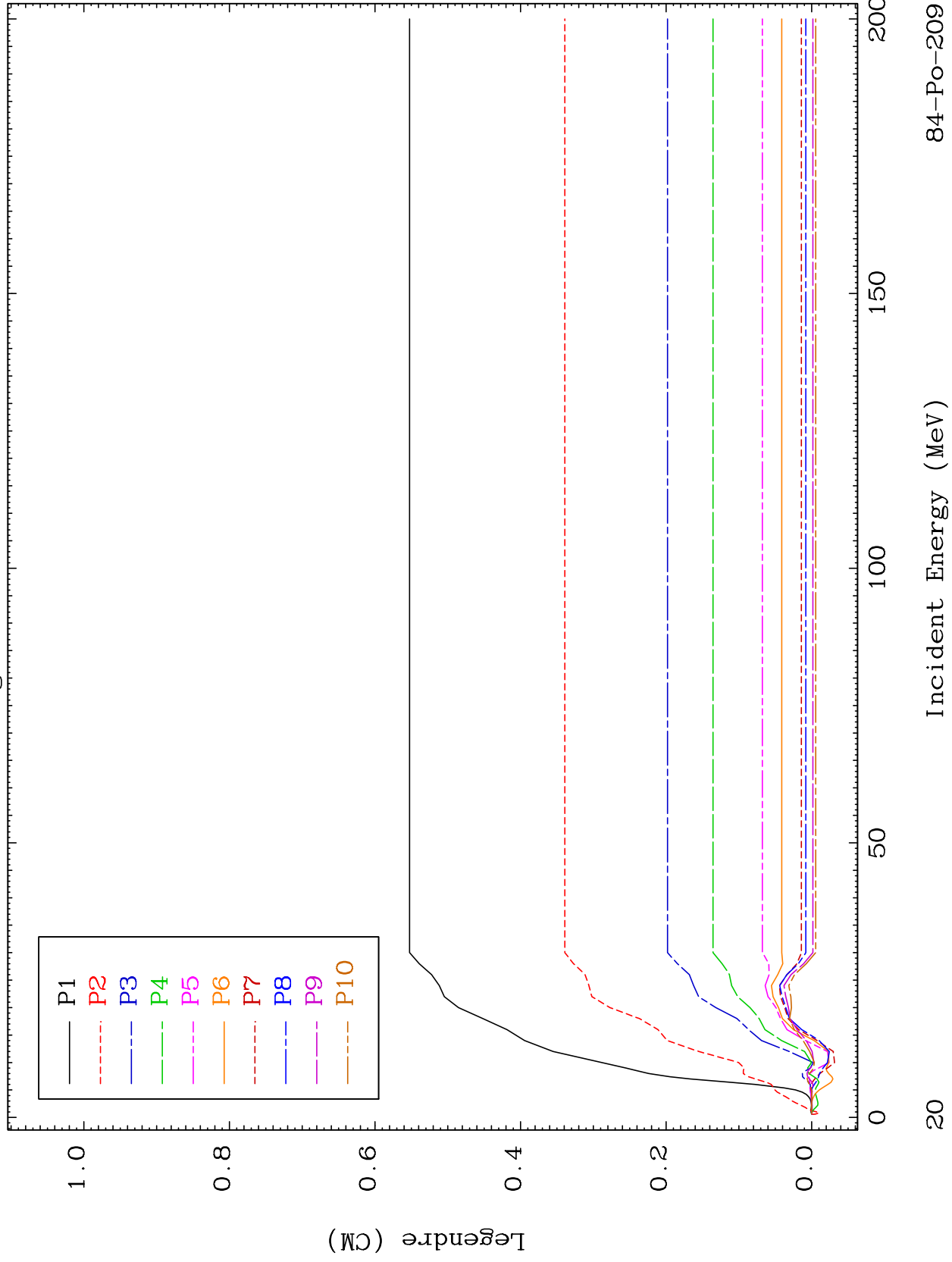
Incident Energy (MeV)

84-Po-209

MAT 8434

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

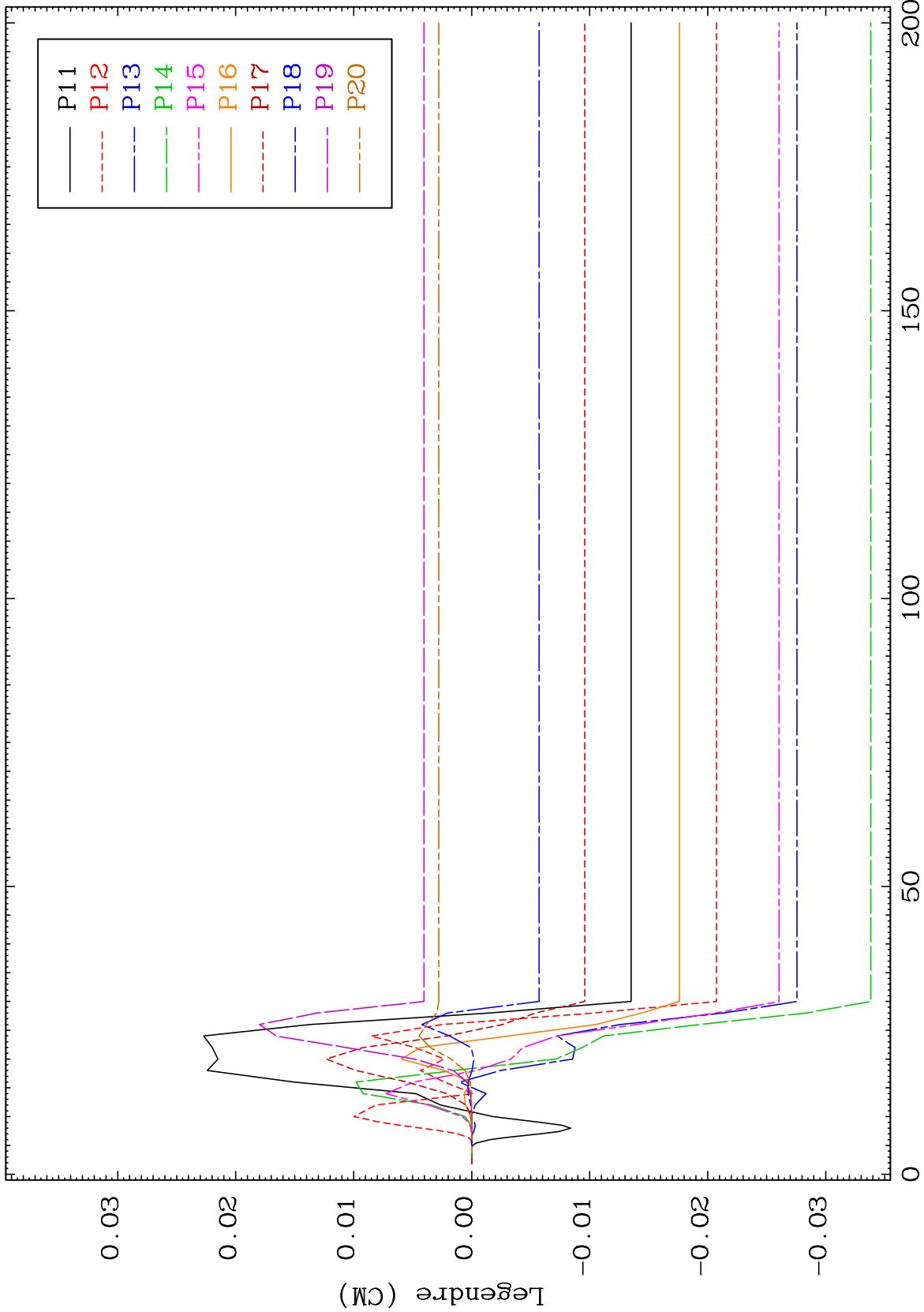
84-Po-209



MAT 8434

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

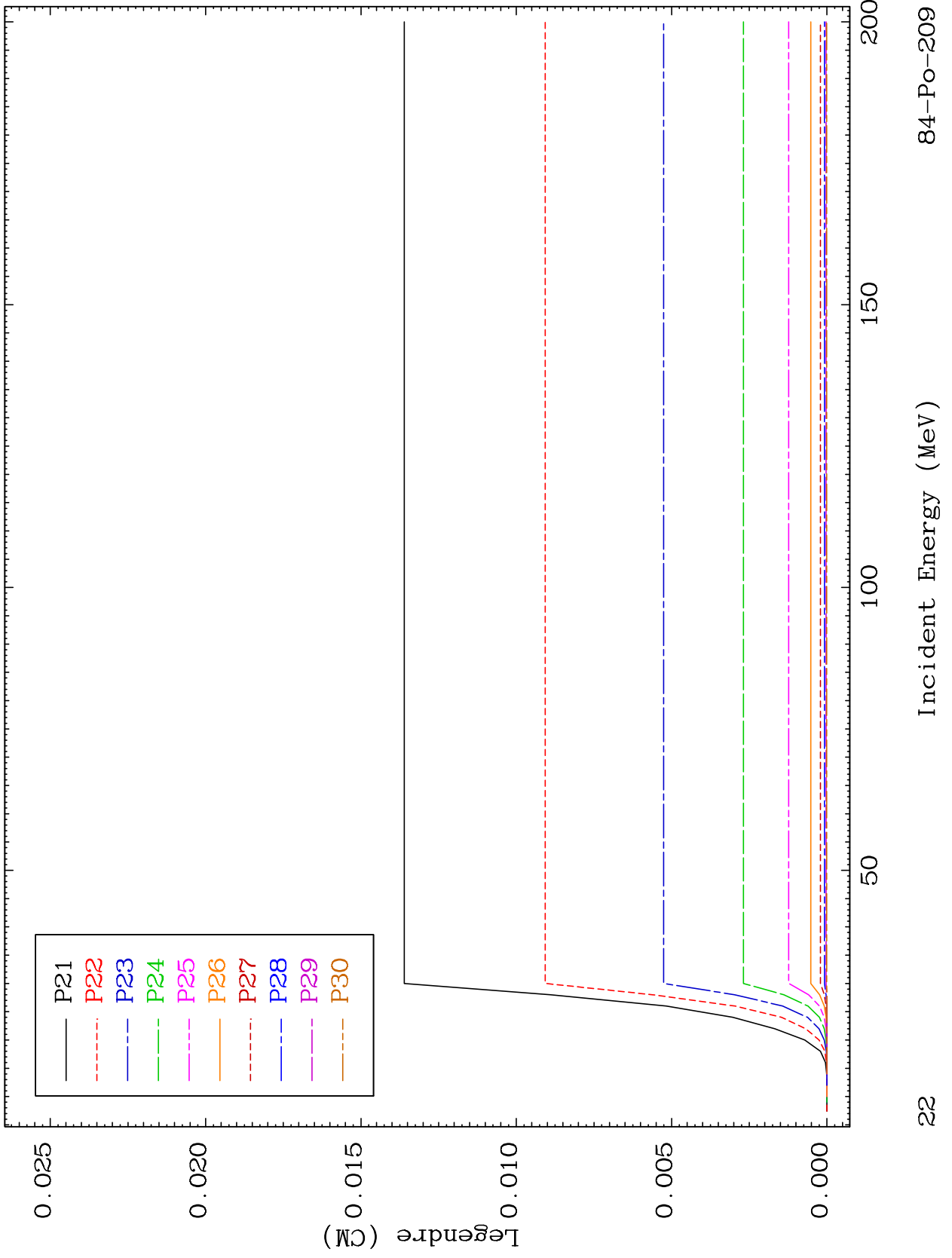
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21

Incident Energy (MeV)

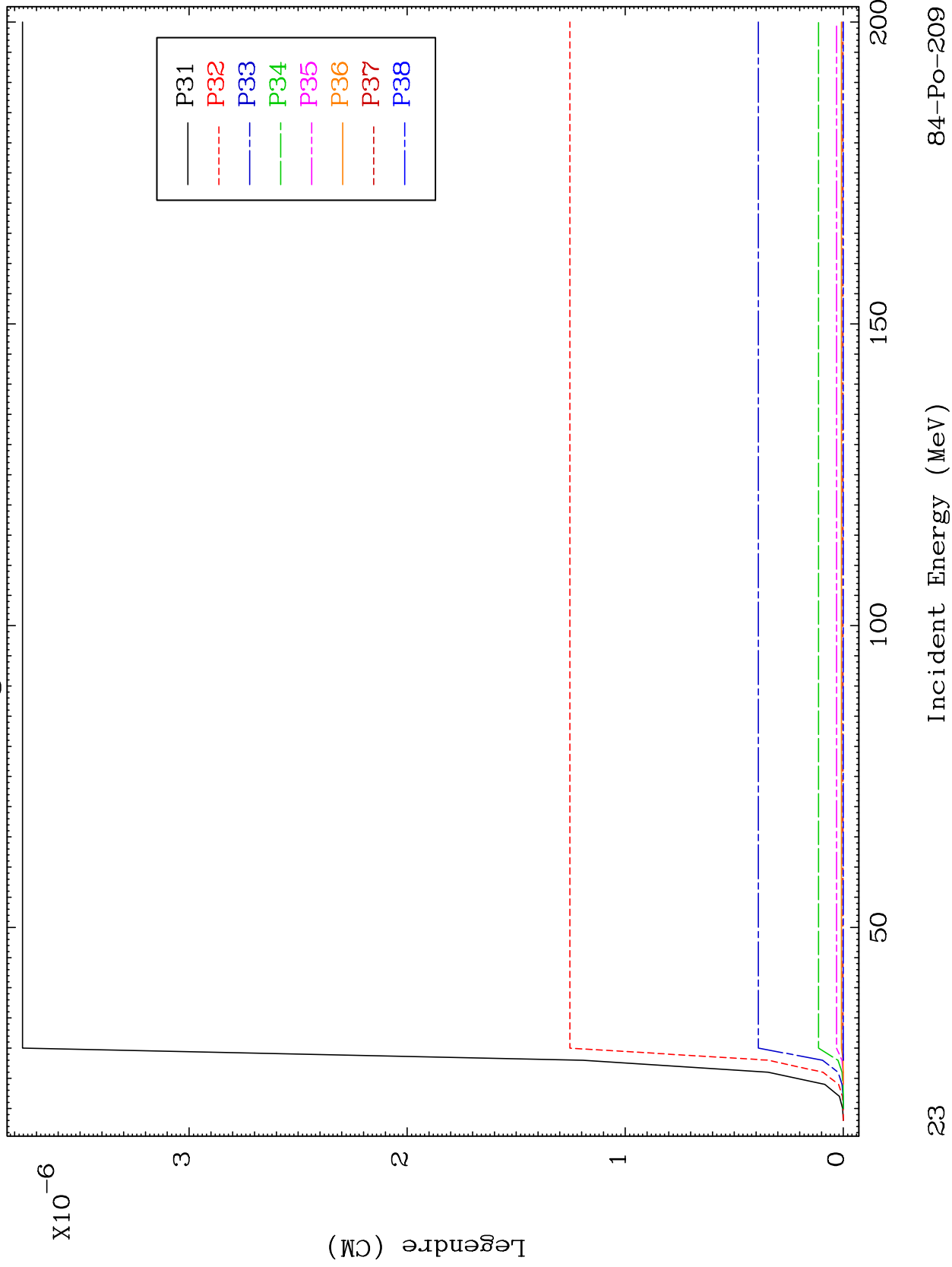
84-Po-209



MAT 8434

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

84-Po-209



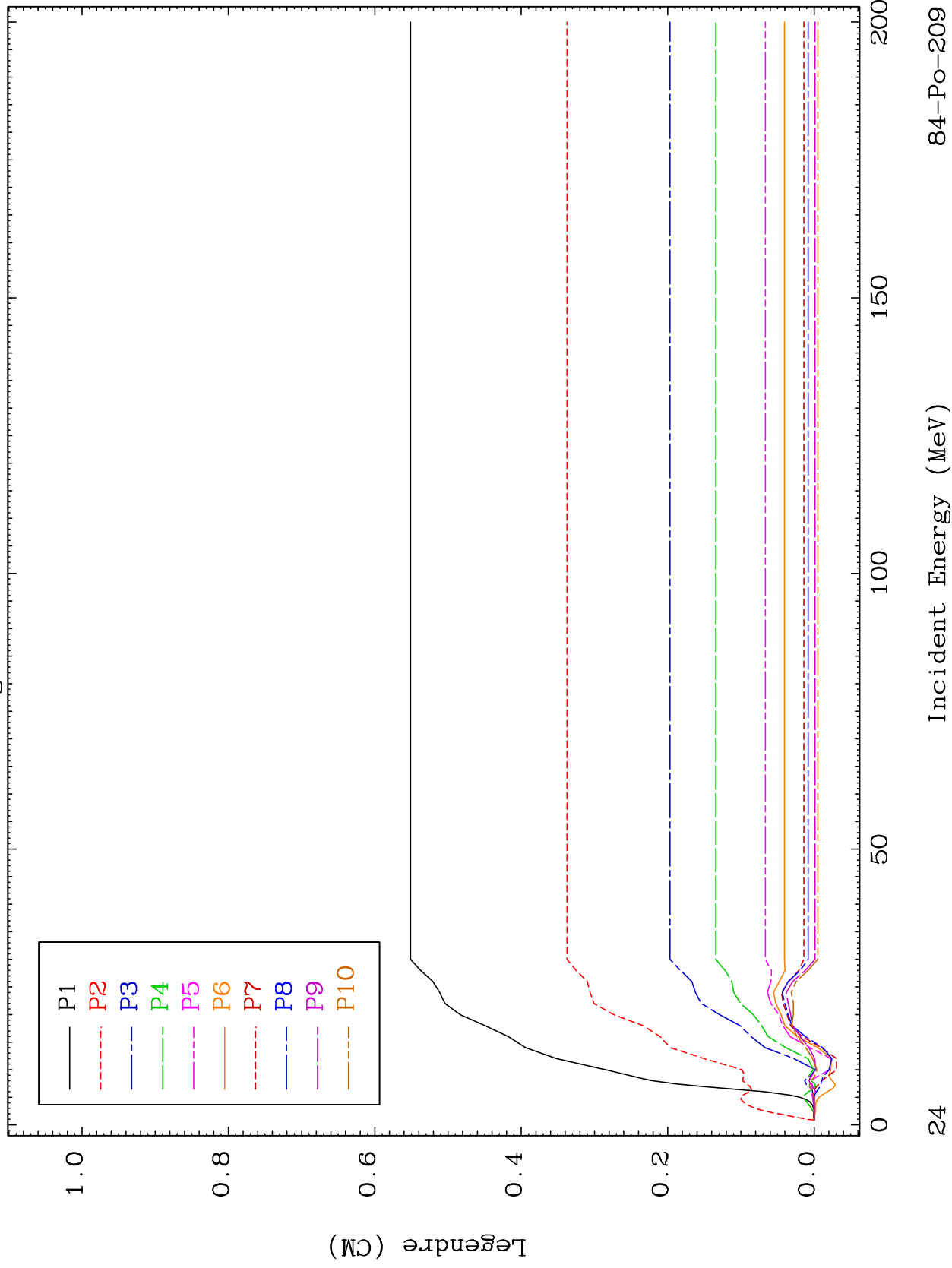
23

84-Po-209

MAT 8434

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

84-Po-209

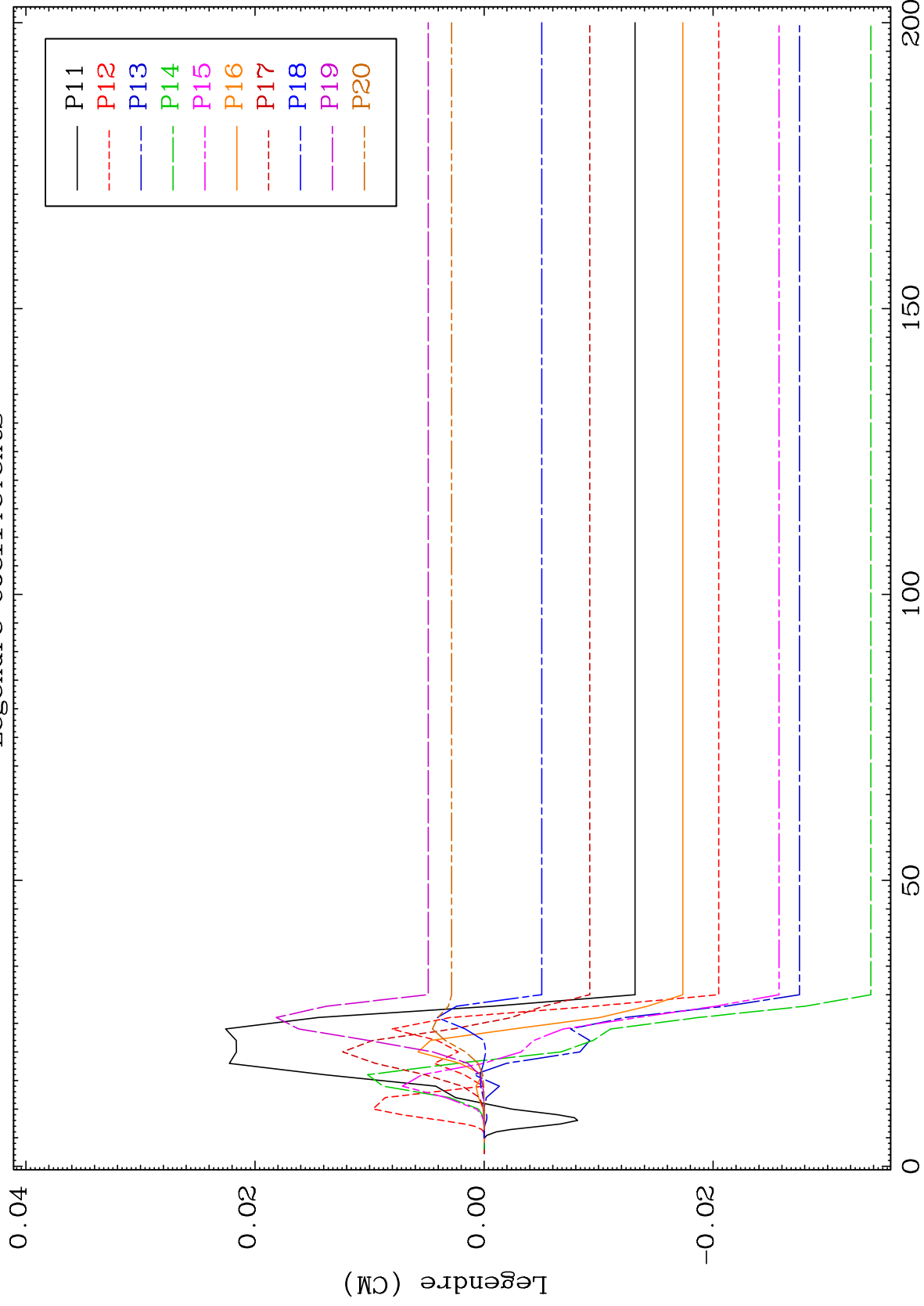


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MAT 8434

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

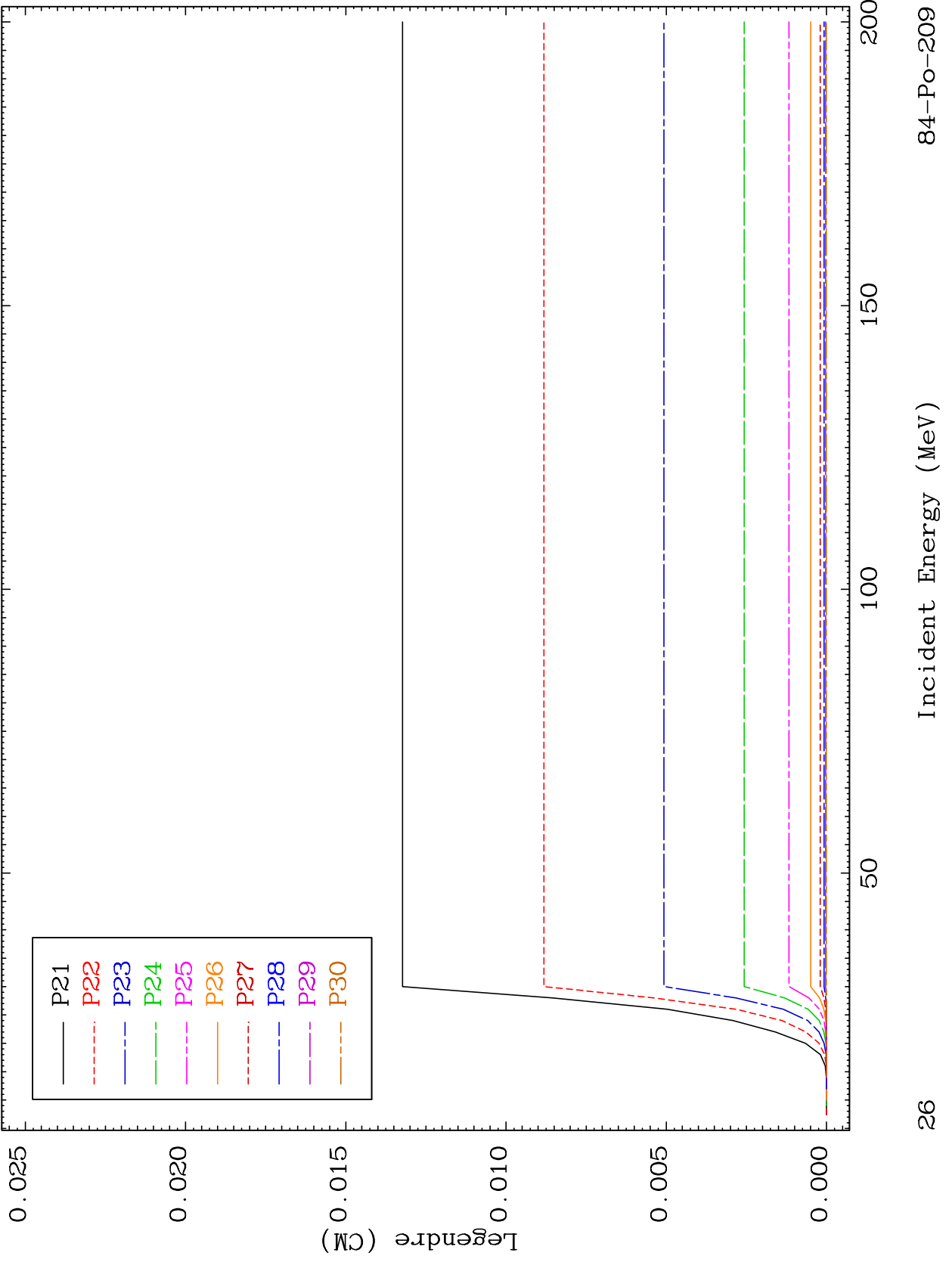
84-Po-209



25

Incident Energy (MeV)

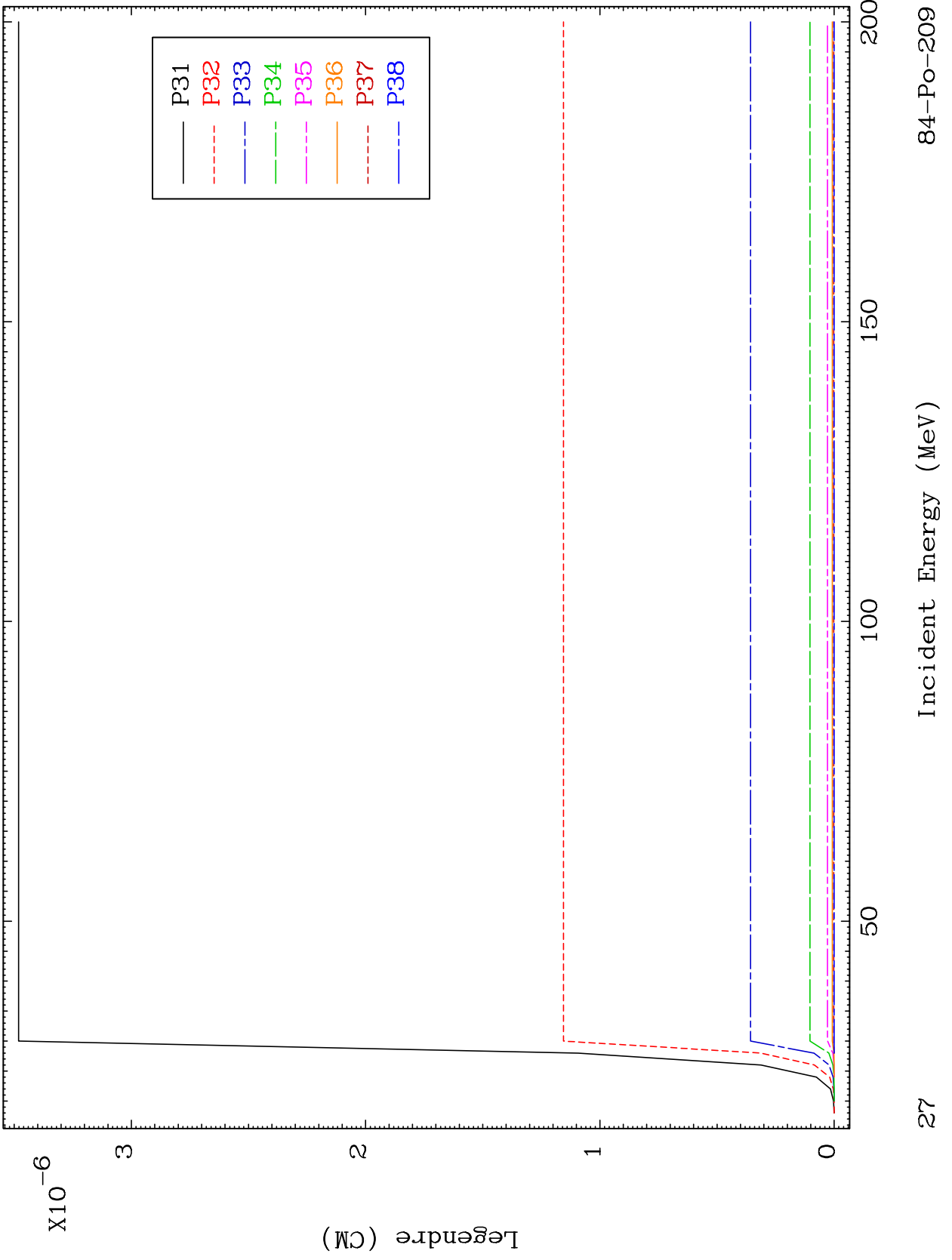
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MAT 8434

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

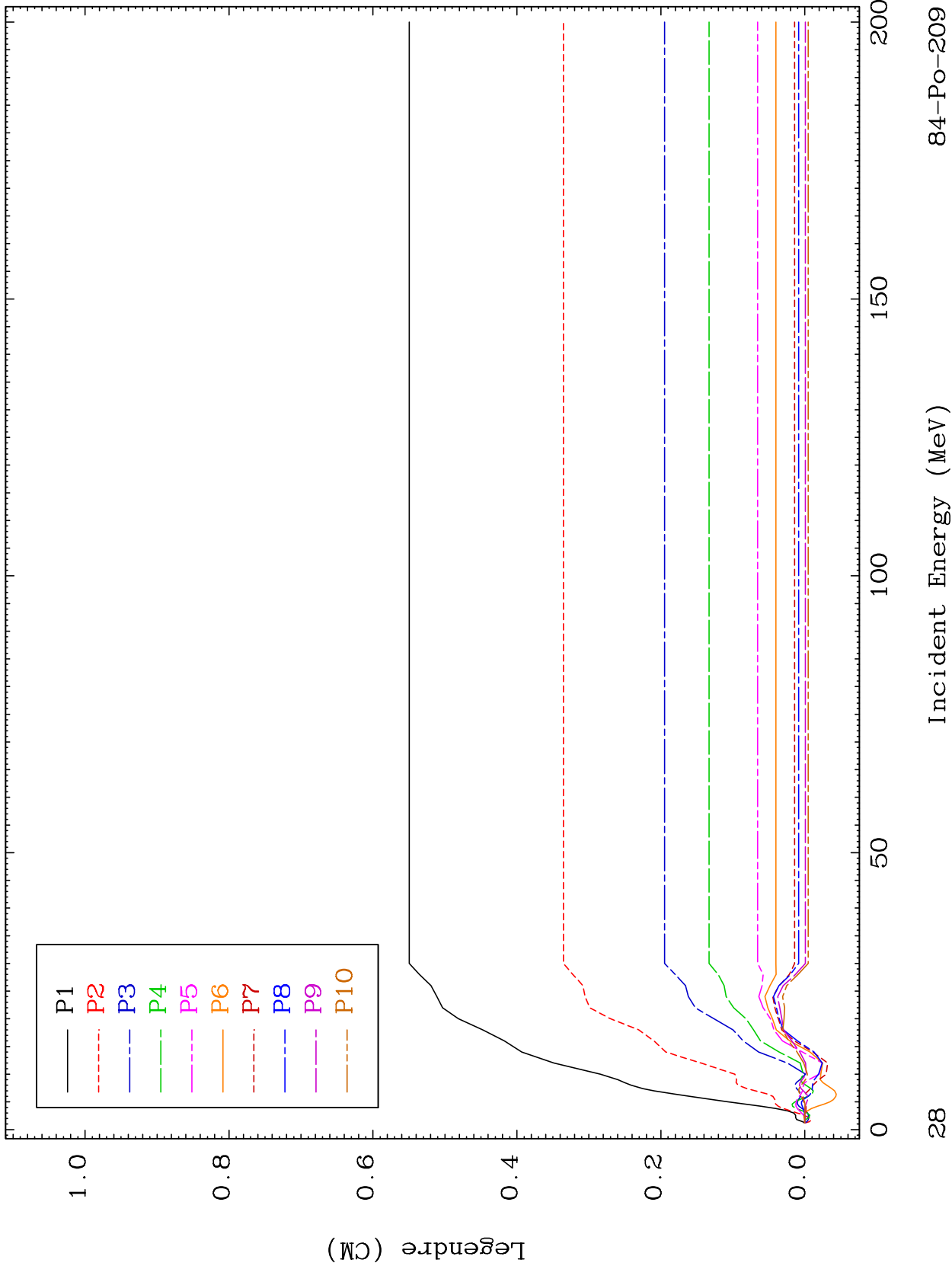
84-Po-209



MAT 8434

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

84-Po-209



28

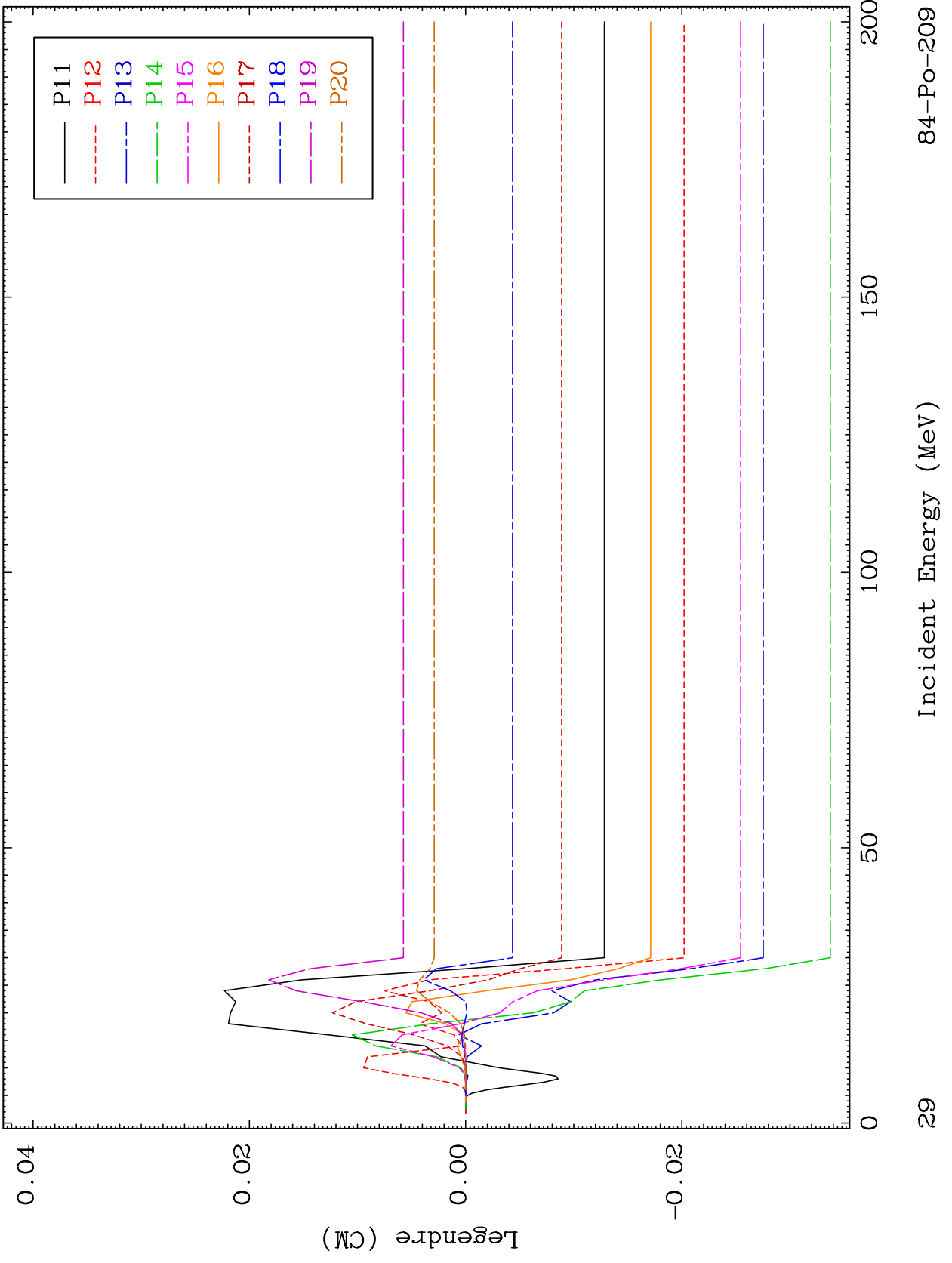
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



29

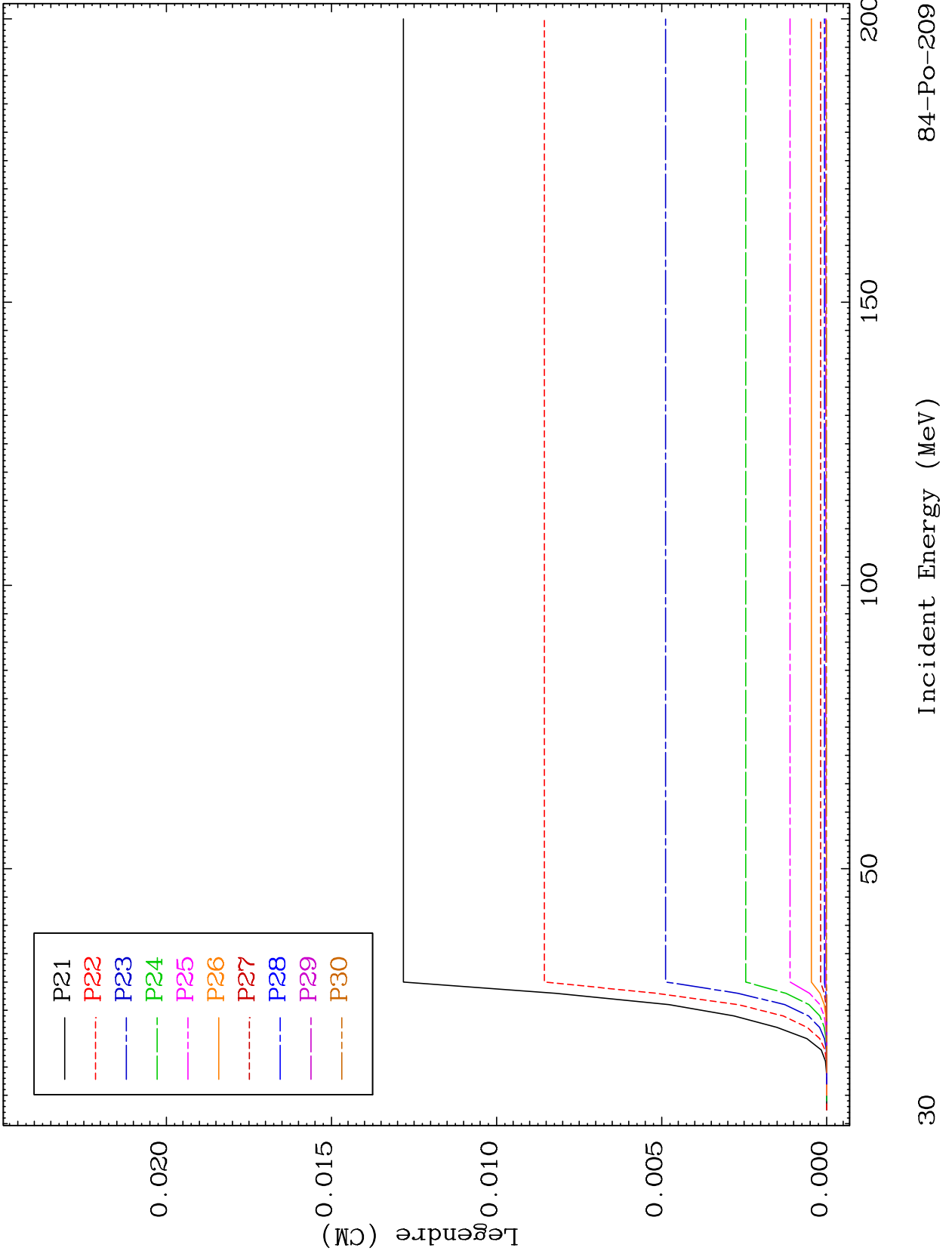
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



30

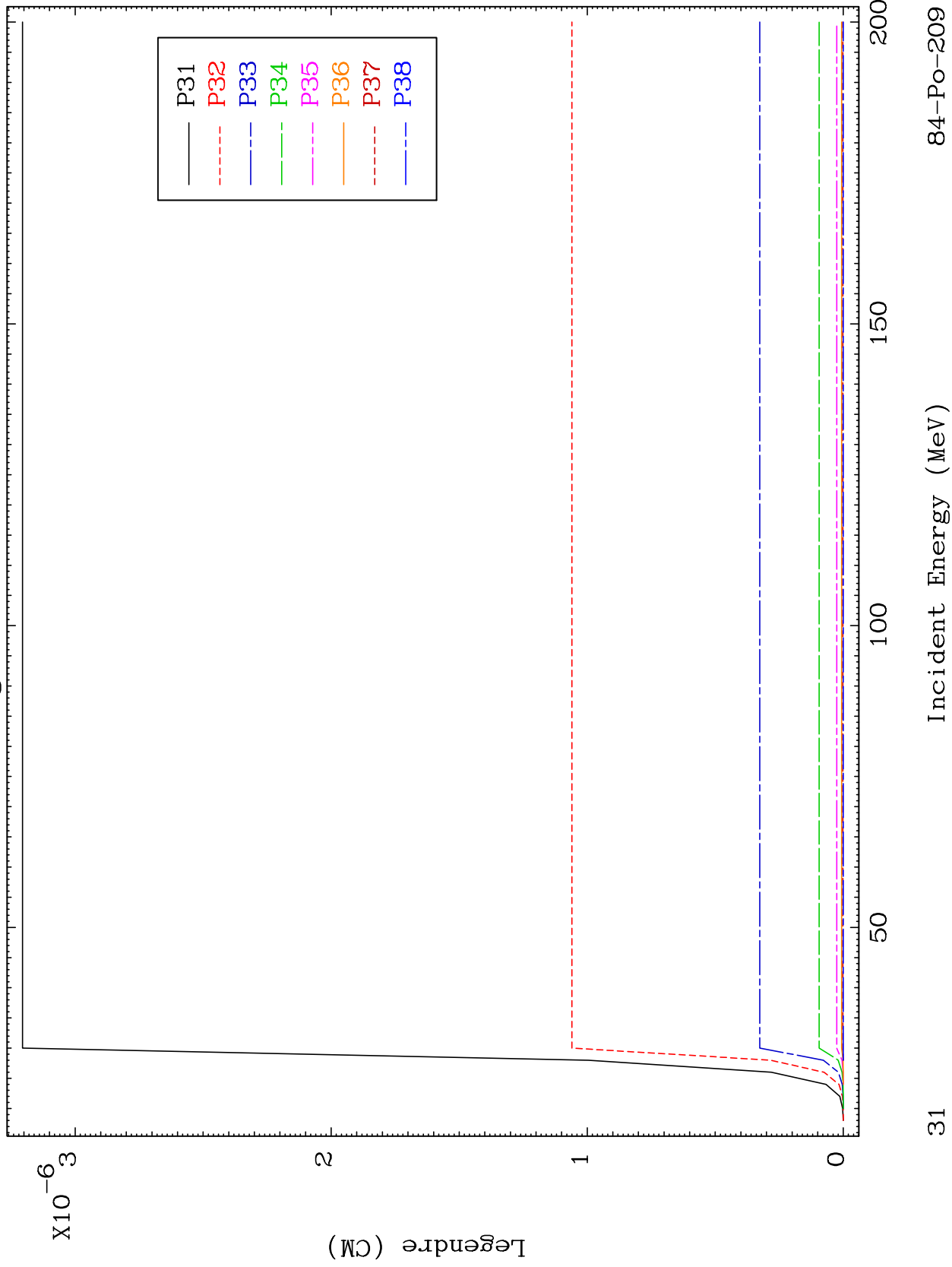
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



31

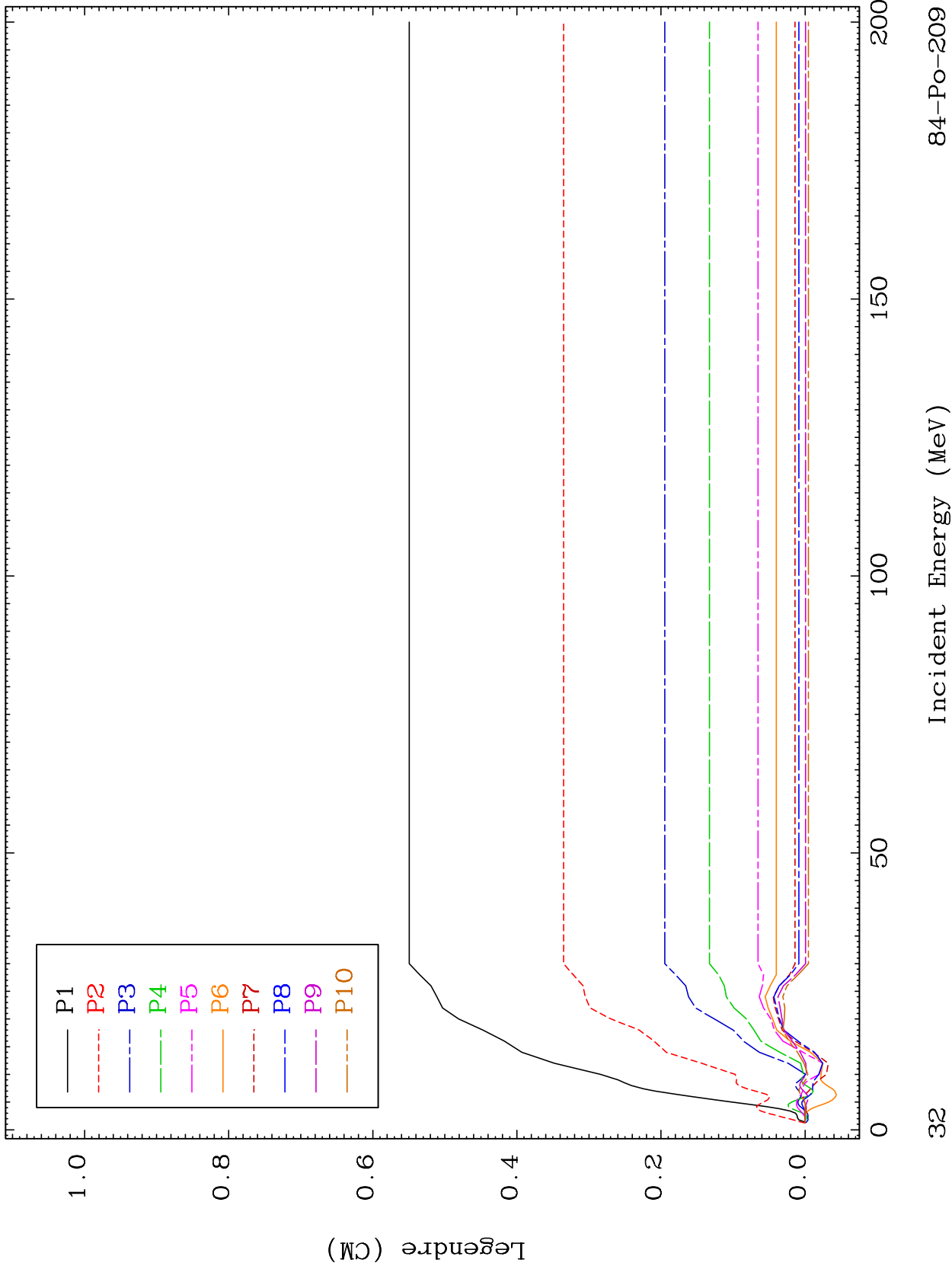
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209

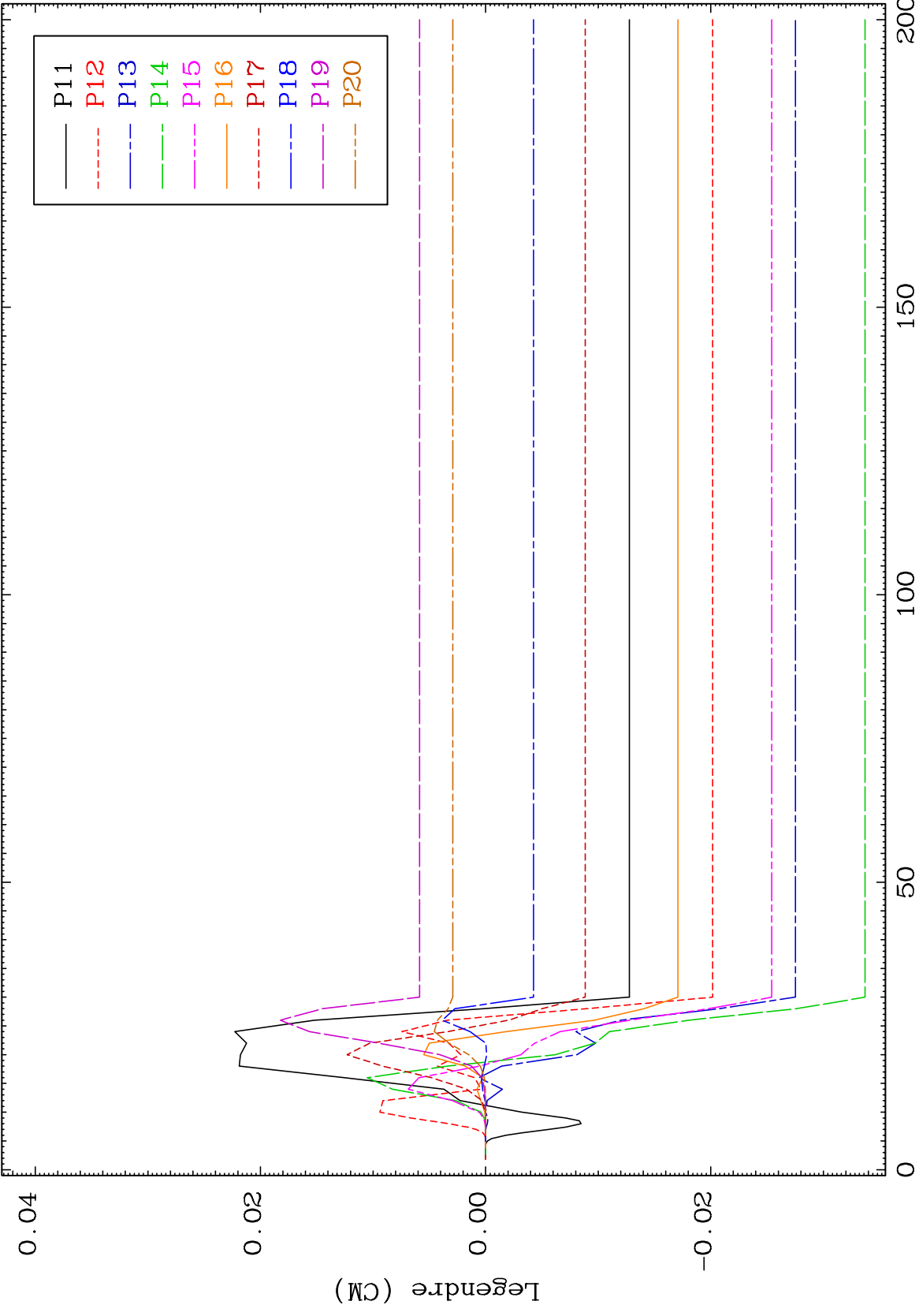


32

MAT 8434

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

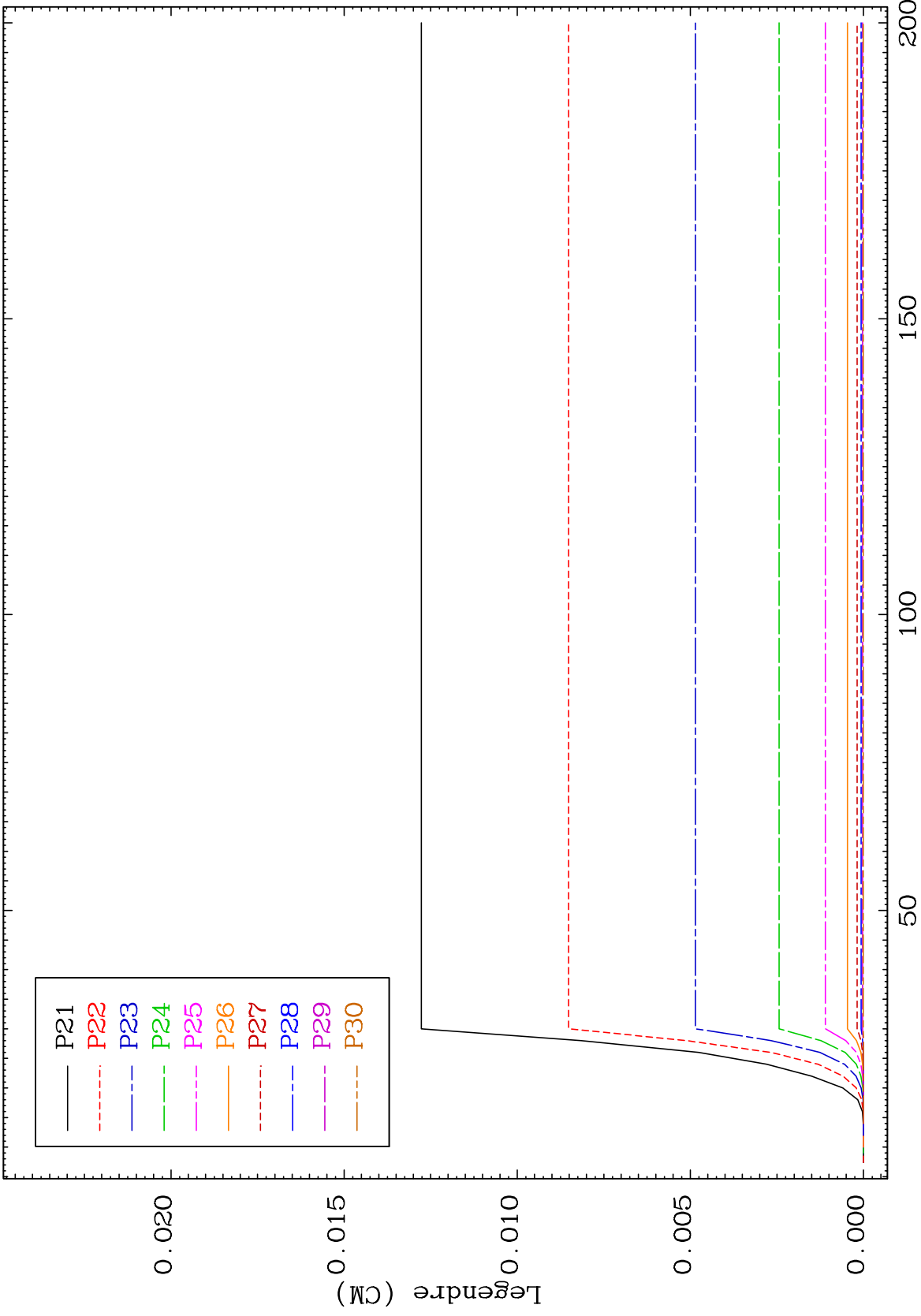
84-Po-209



33

Incident Energy (MeV)

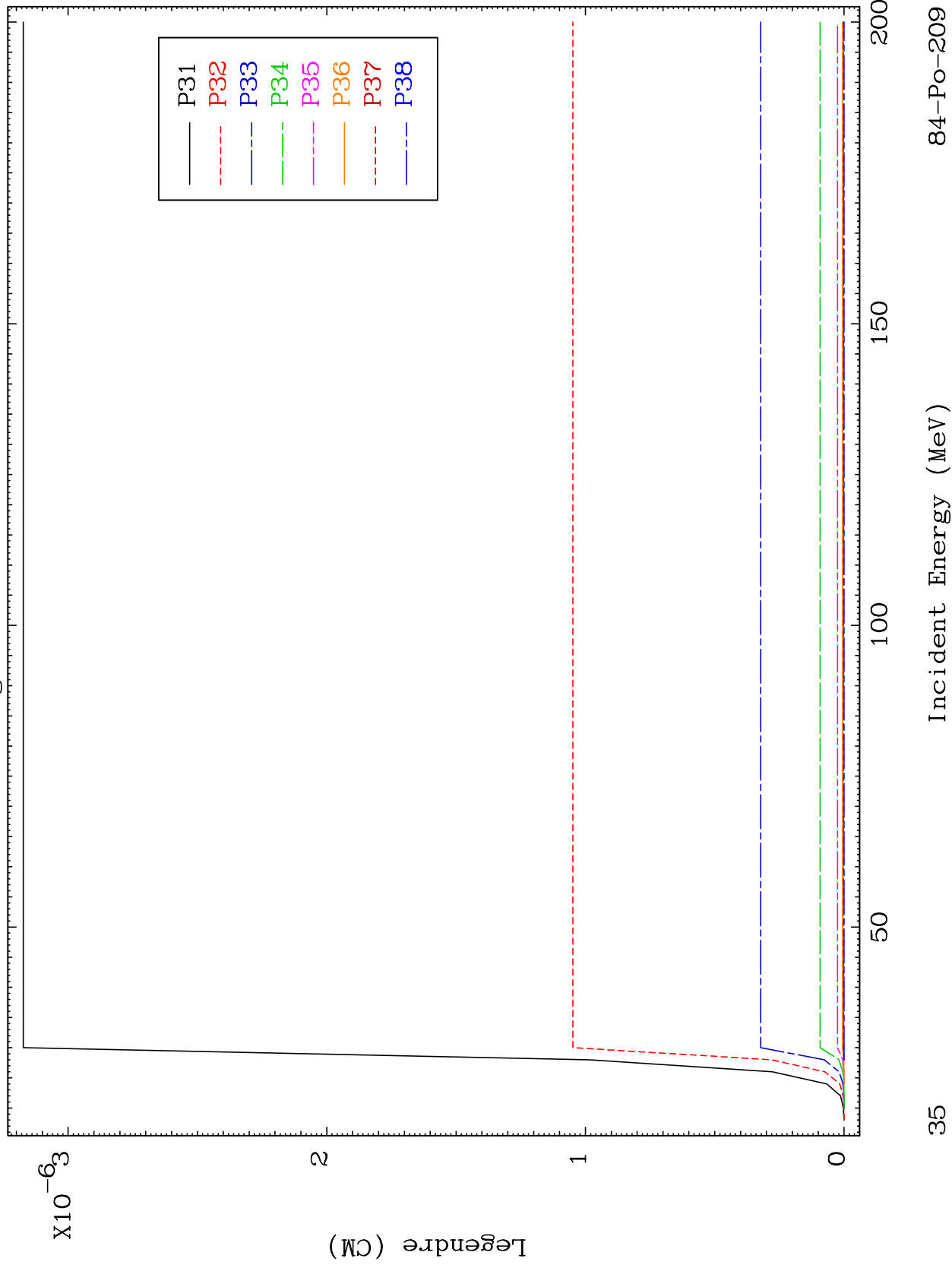
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MAT 8434

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

84-Po-209



35

Incident Energy (MeV)

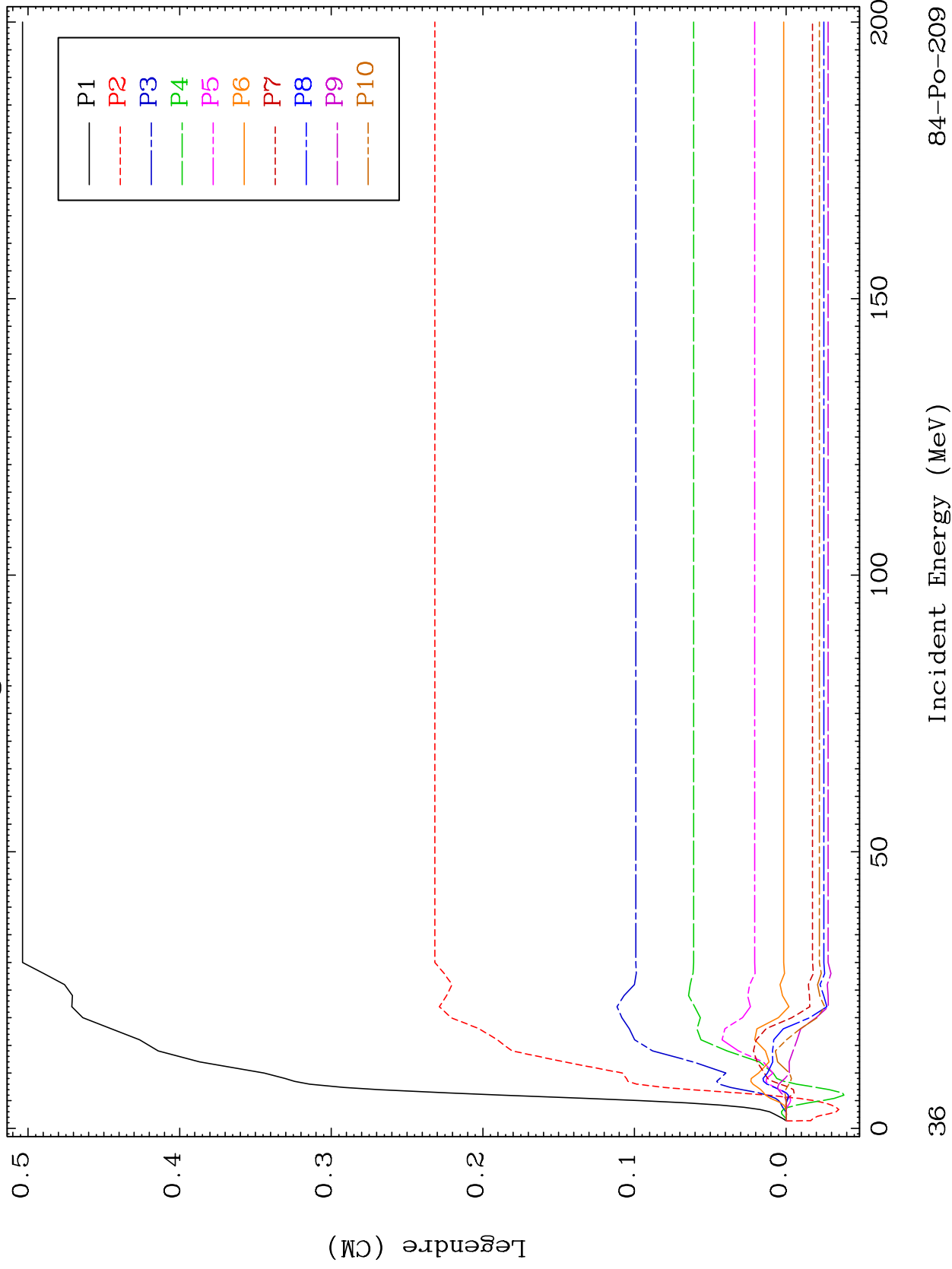
84-Po-209

MAT 8434

MT= 55 (n,n') Level

84-Po-209

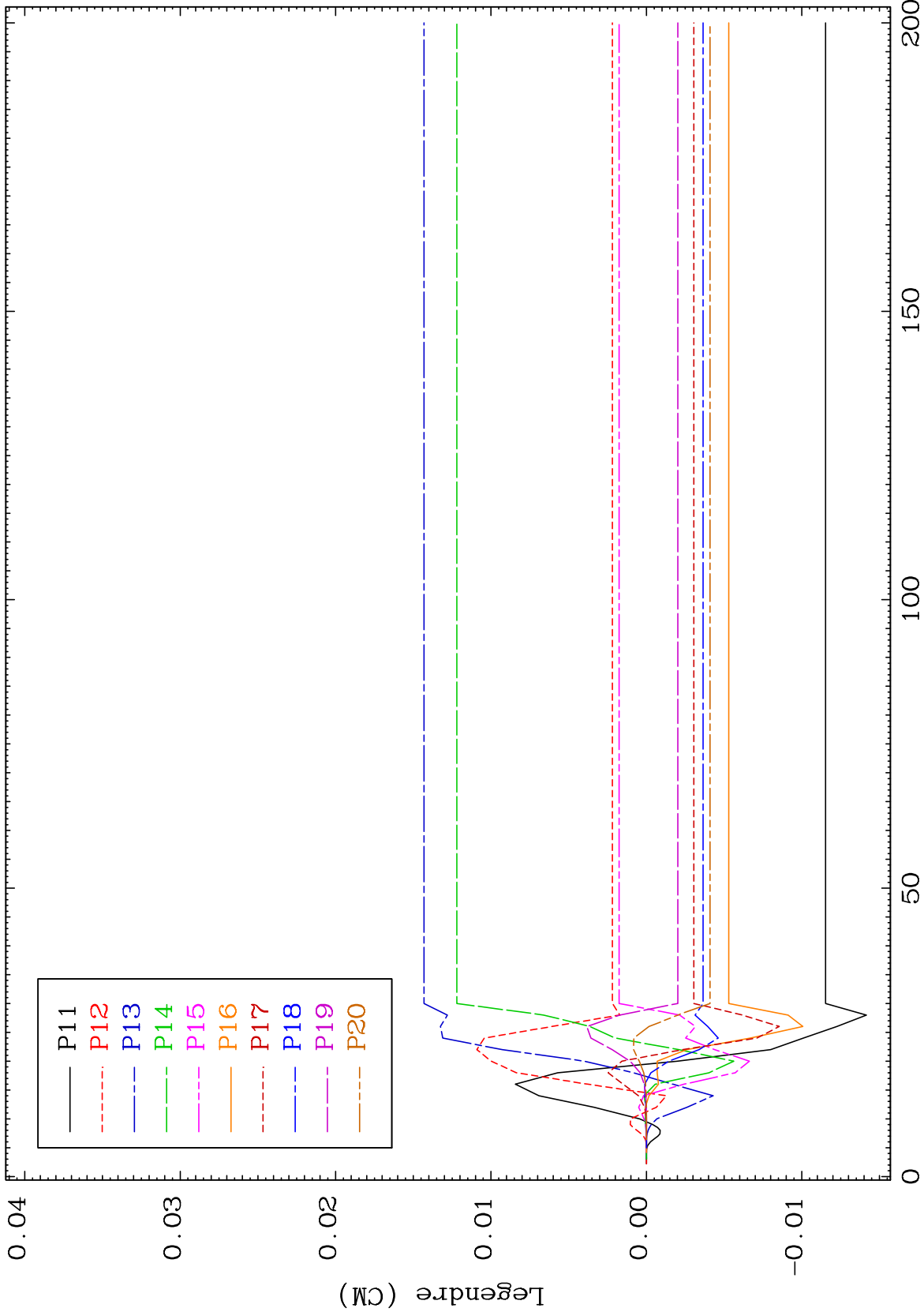
Legendre Coefficients



MAT 8434

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

84-Po-209



37

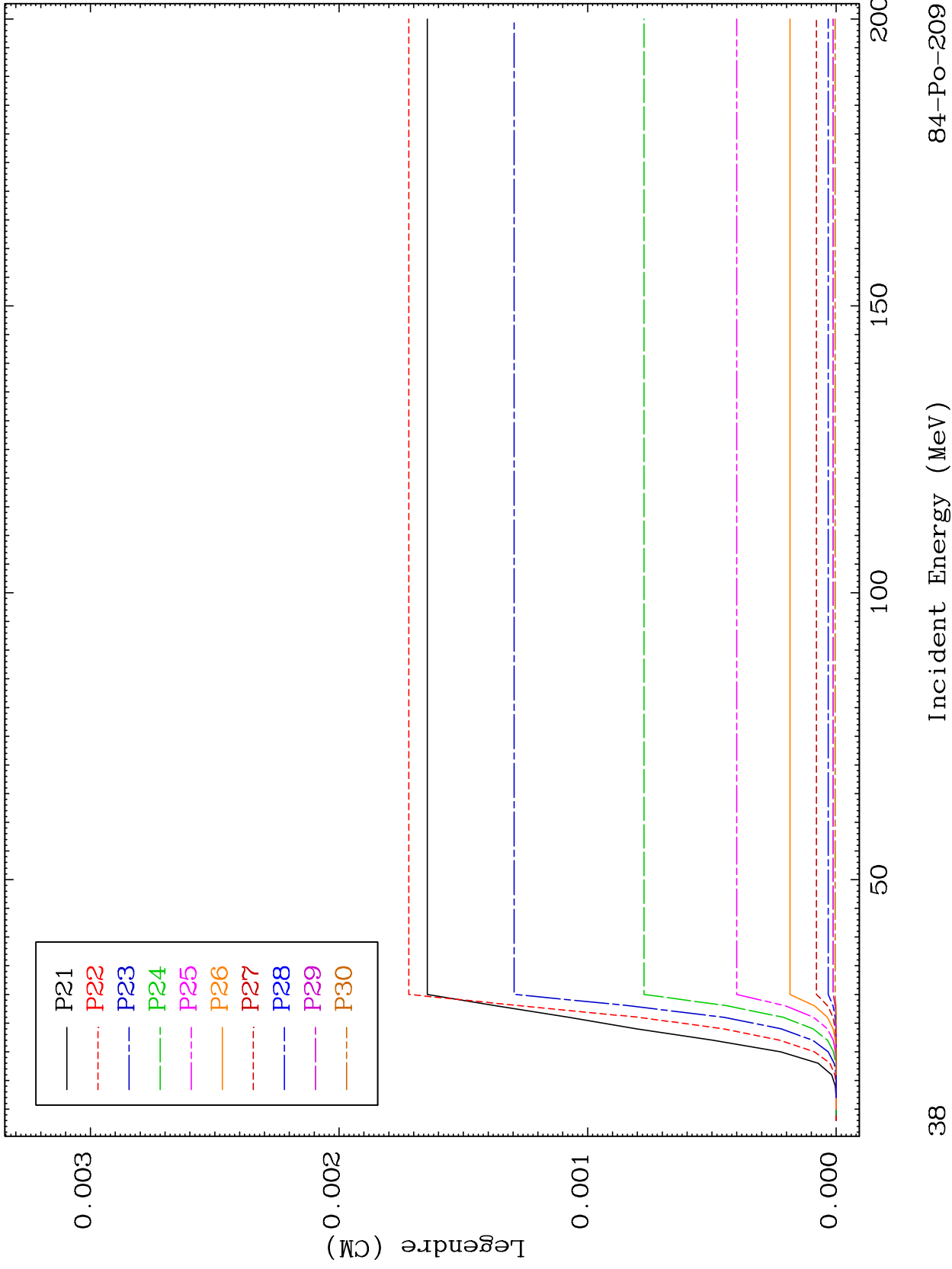
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



38

Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209

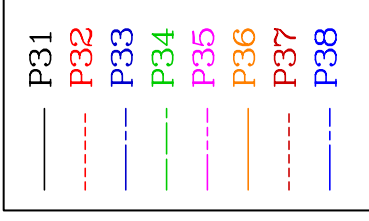
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Legendre (CM)

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0.5

0.0



200

150

100

50

39

Incident Energy (MeV)

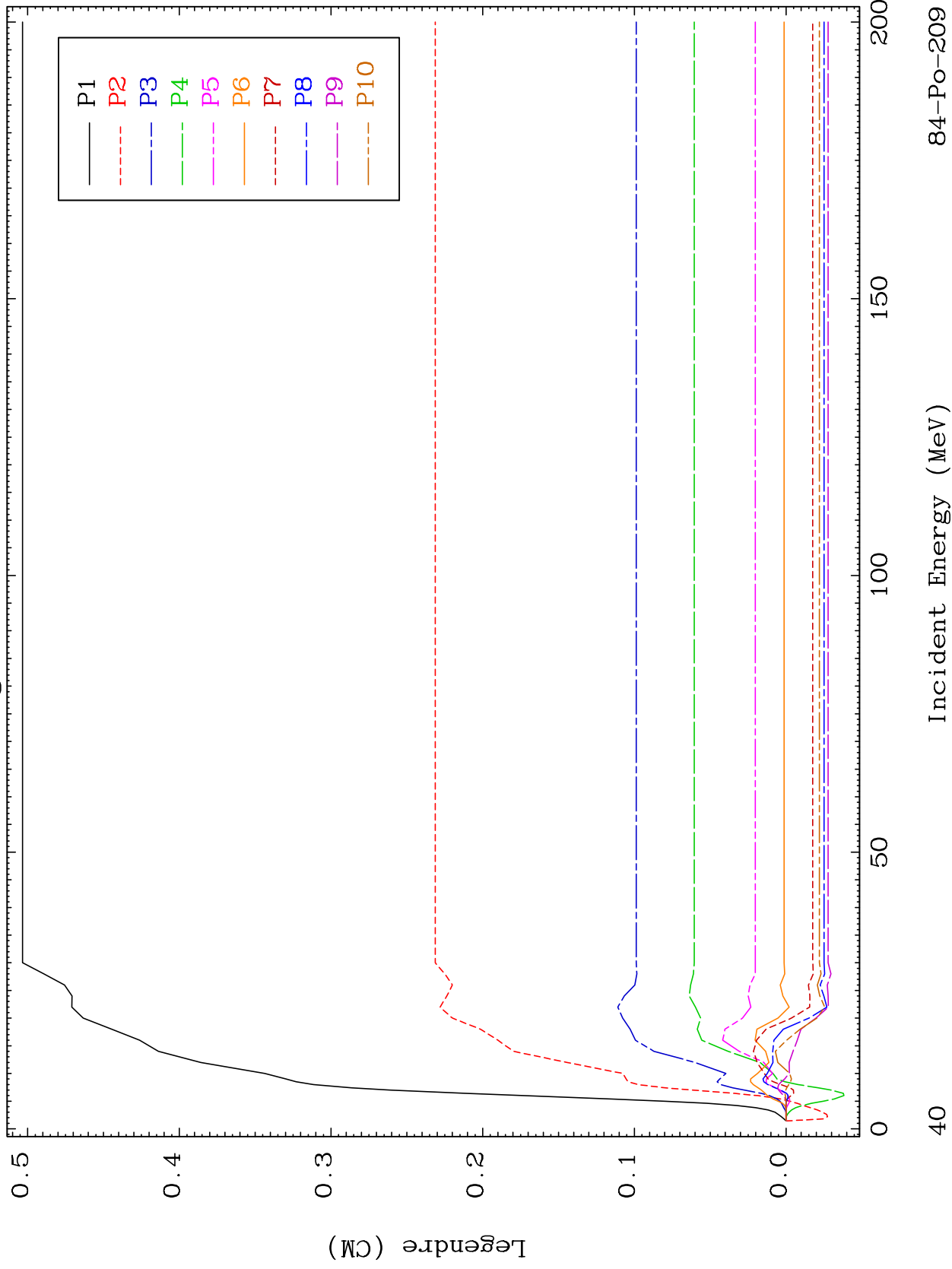
84-Po-209

MAT 8434

MT= 56 (n,n') Level

84-Po-209

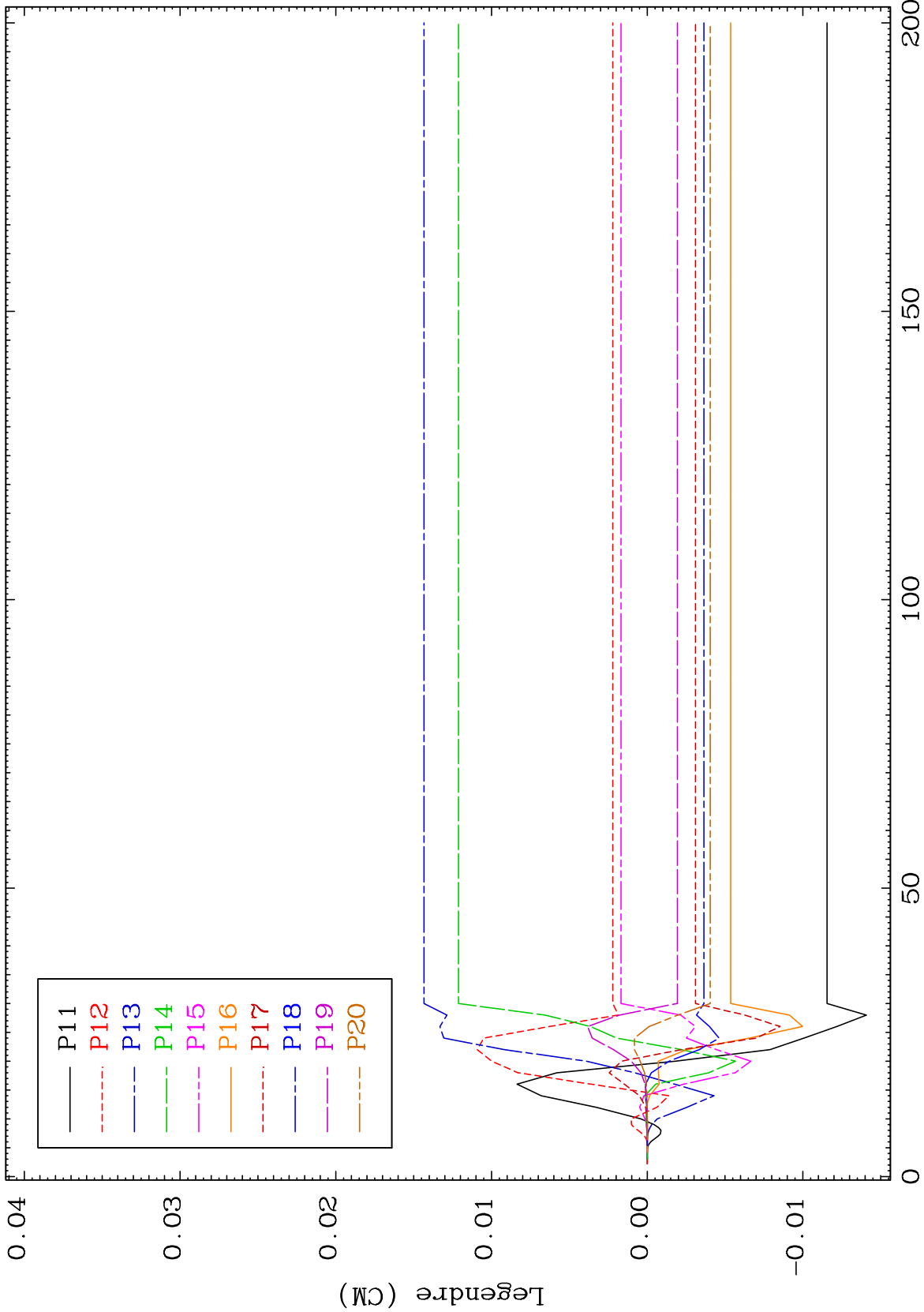
Legendre Coefficients



MAT 8434

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

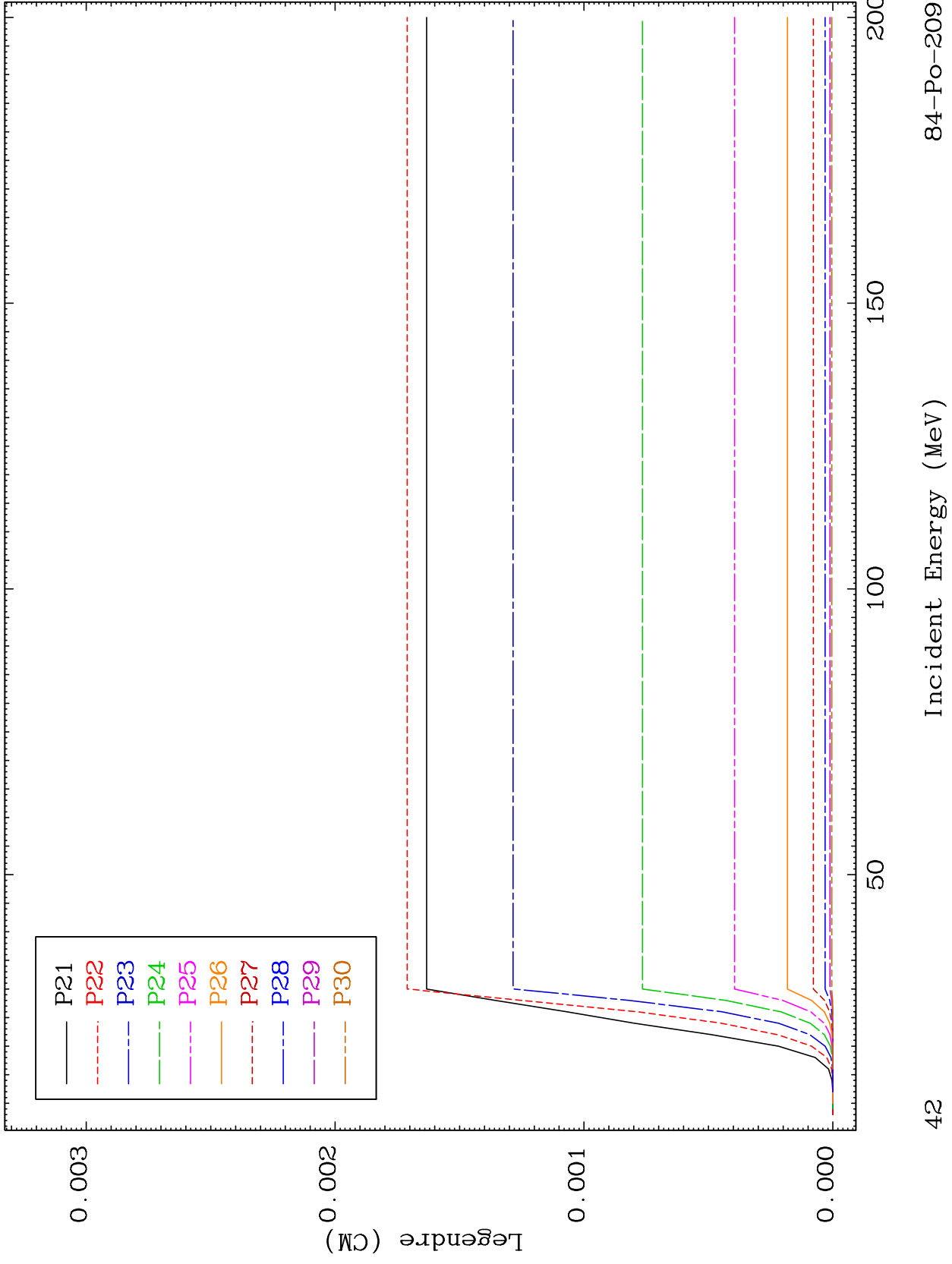
84-Po-209



MAT 8434

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

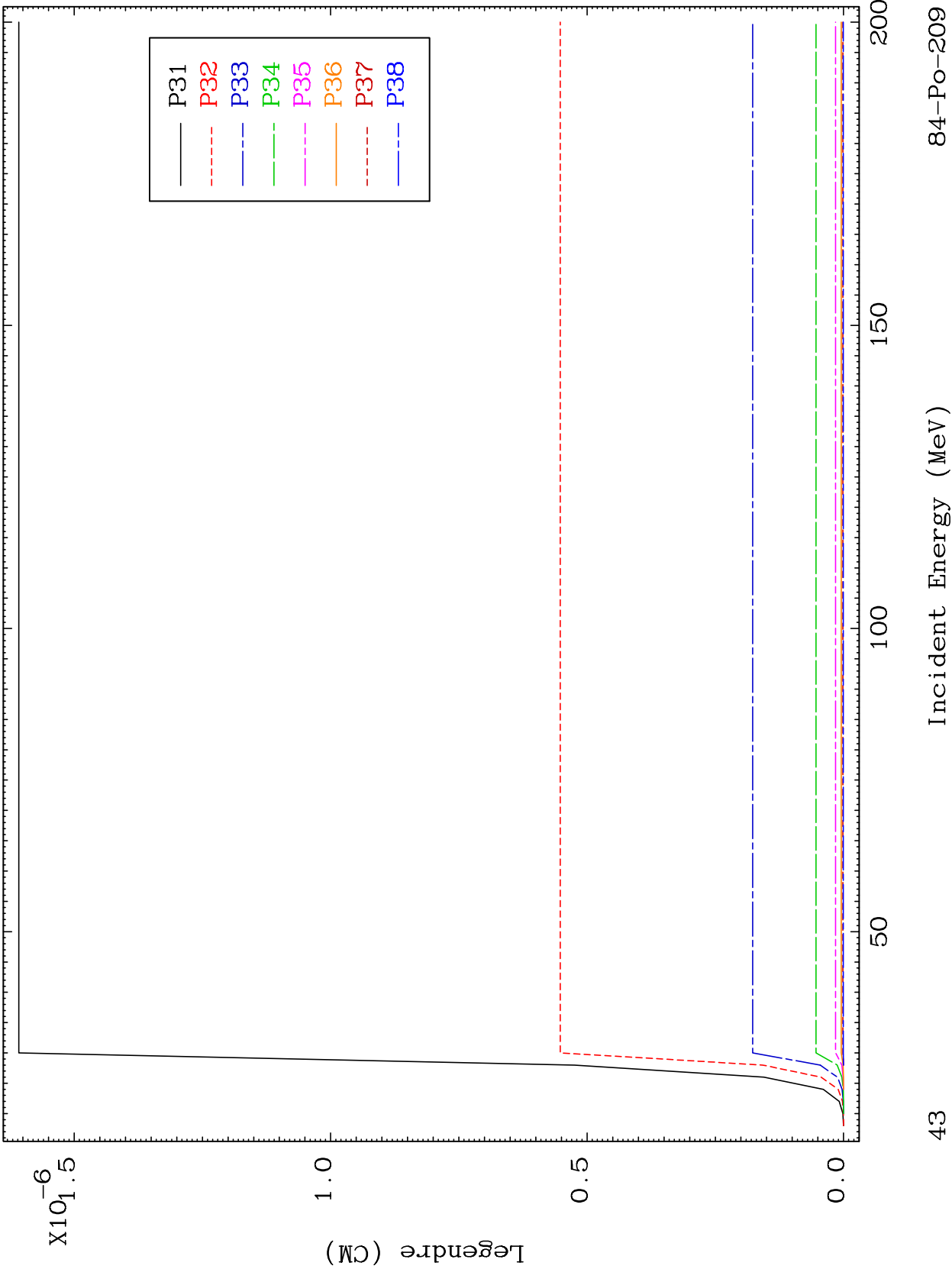
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MAT 8434

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

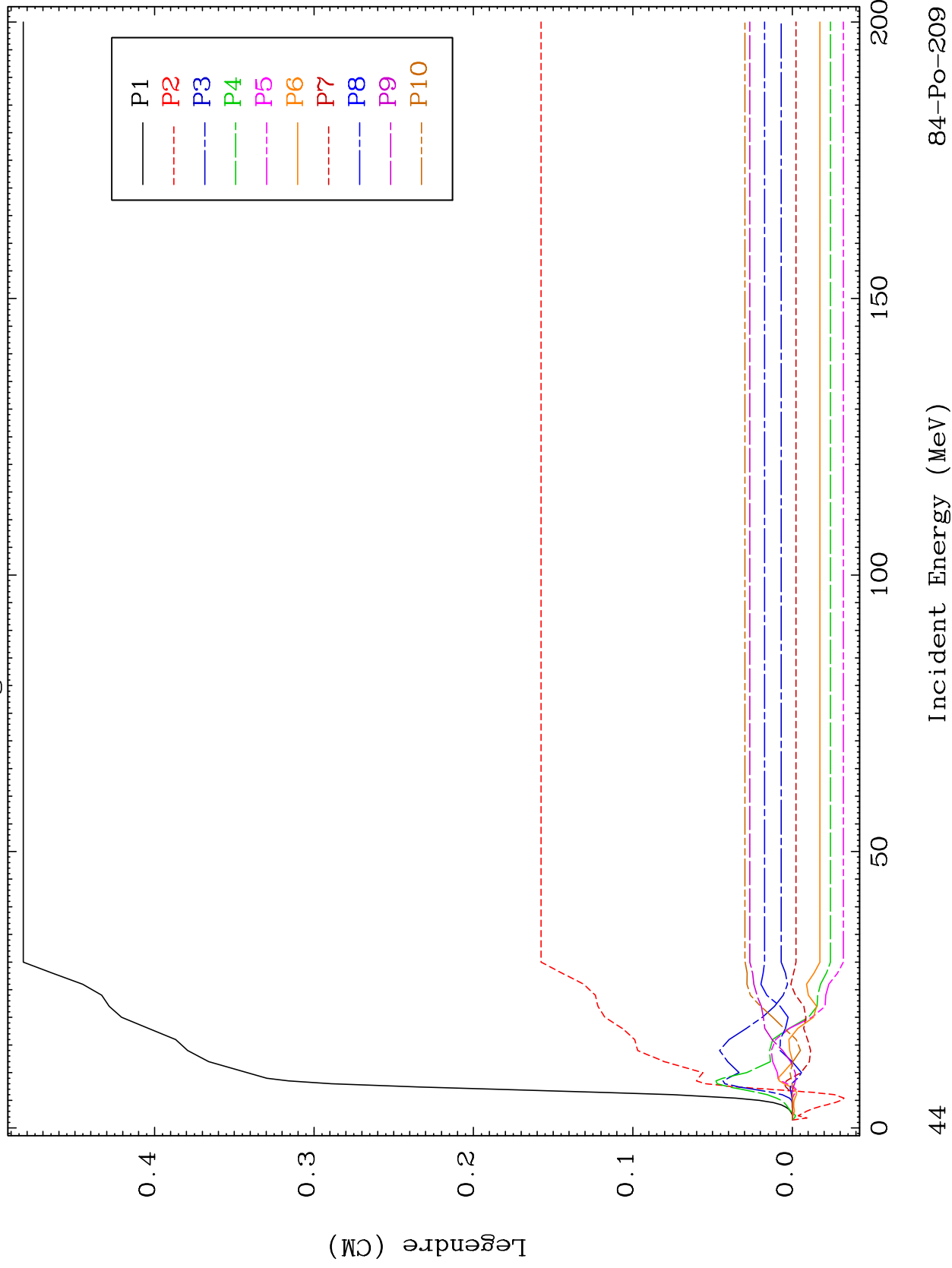
84-Po-209



MAT 8434

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

84-Po-209



44

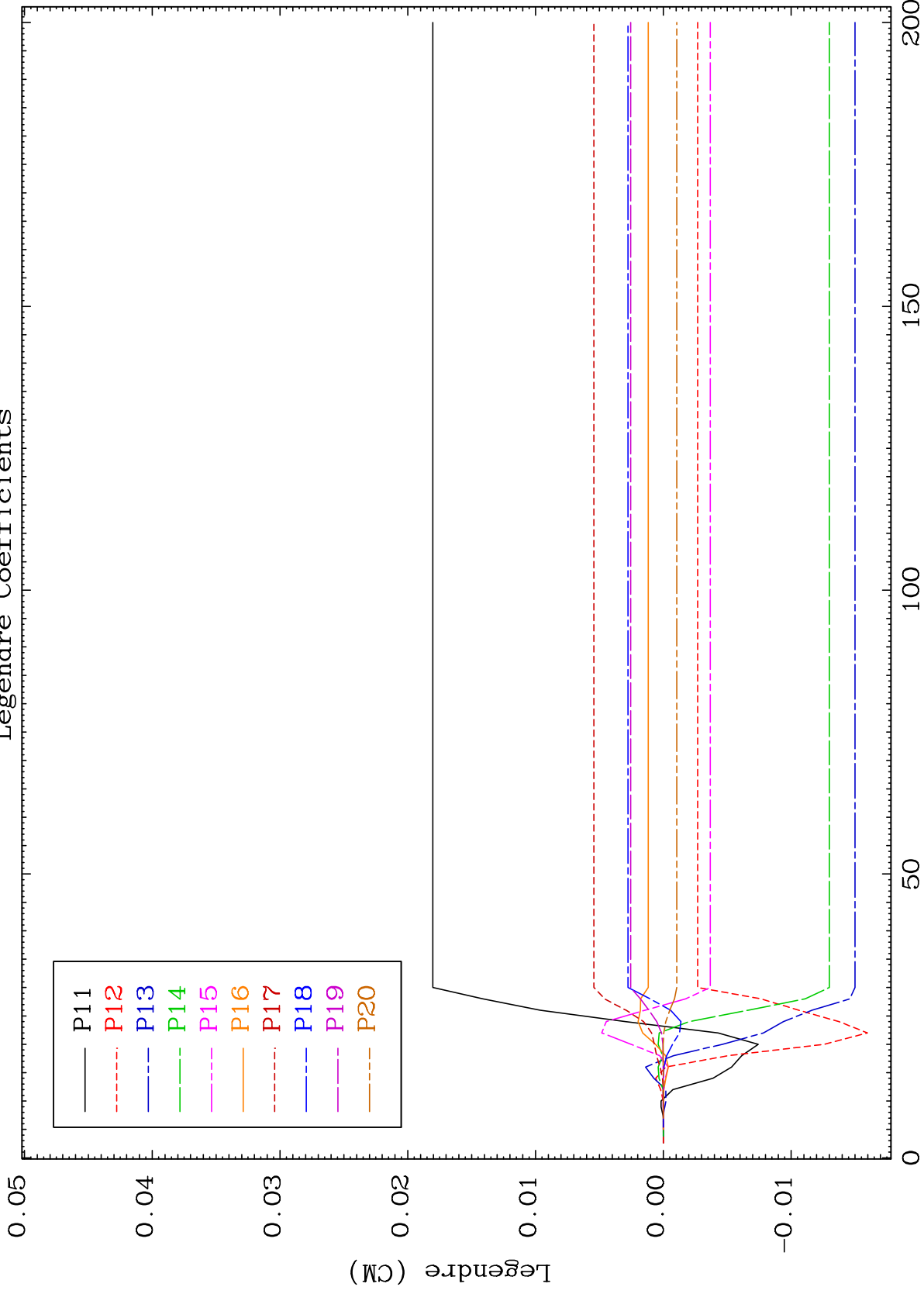
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



45

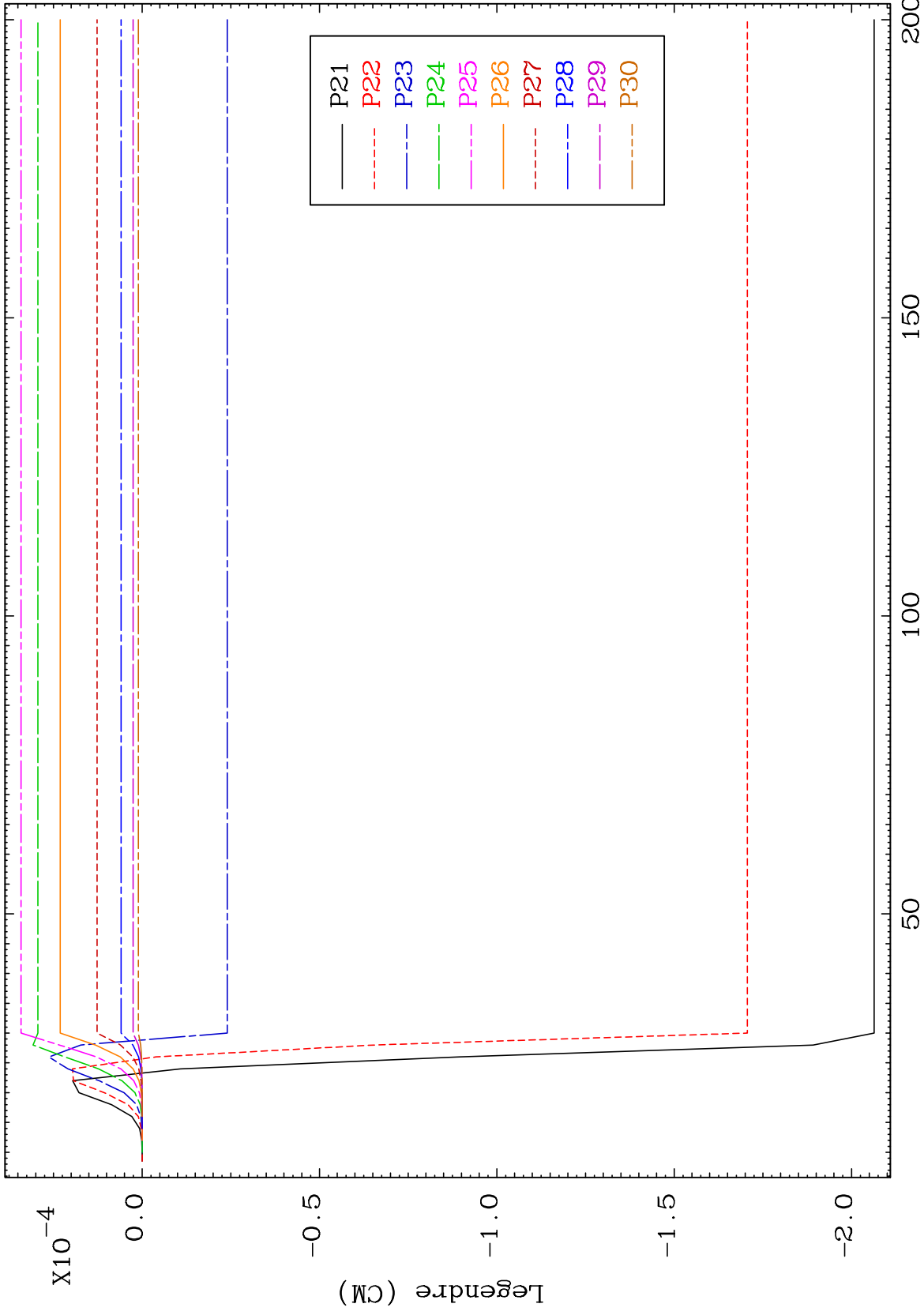
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



46

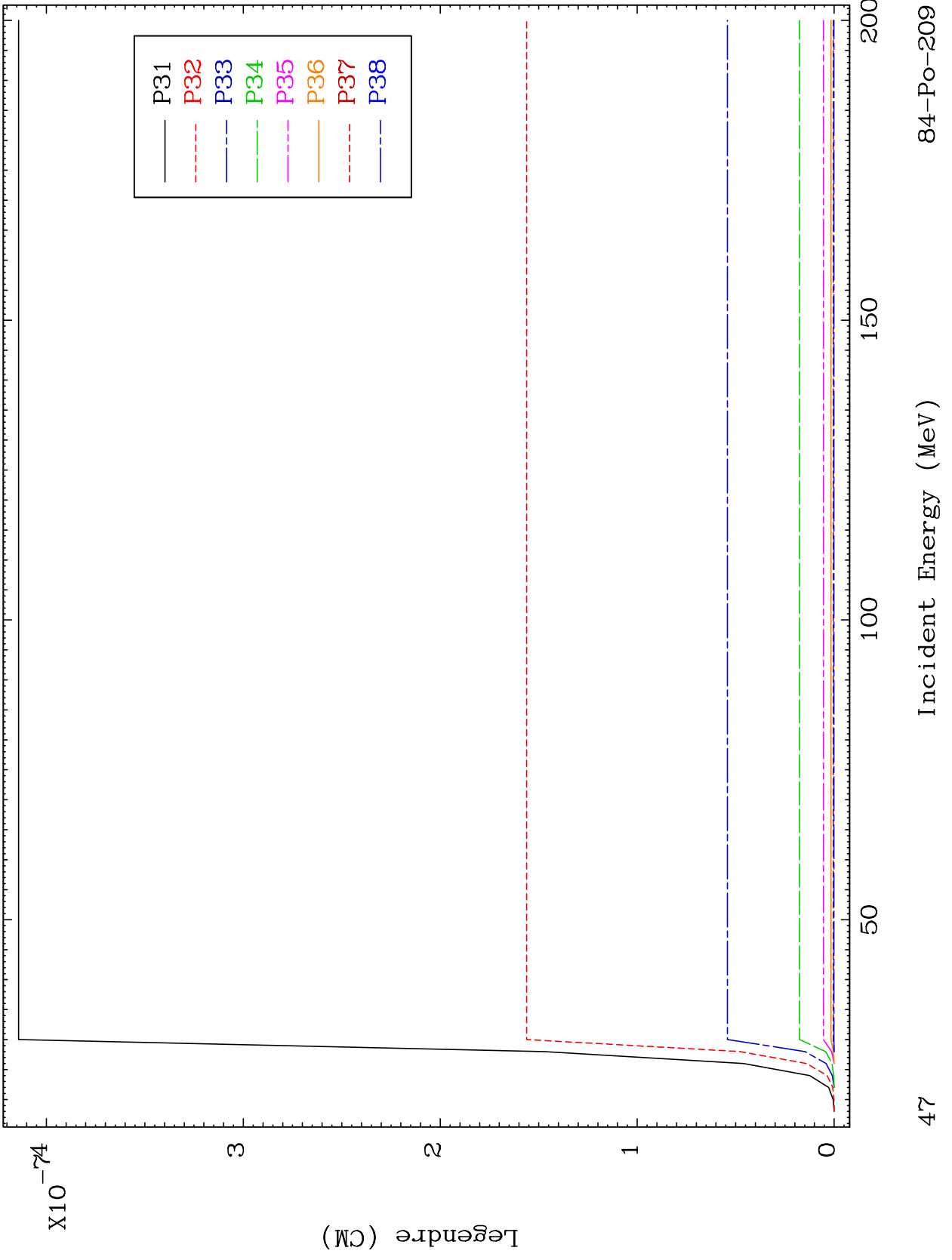
Incident Energy (MeV)

84-Po-209

MAT 8434

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

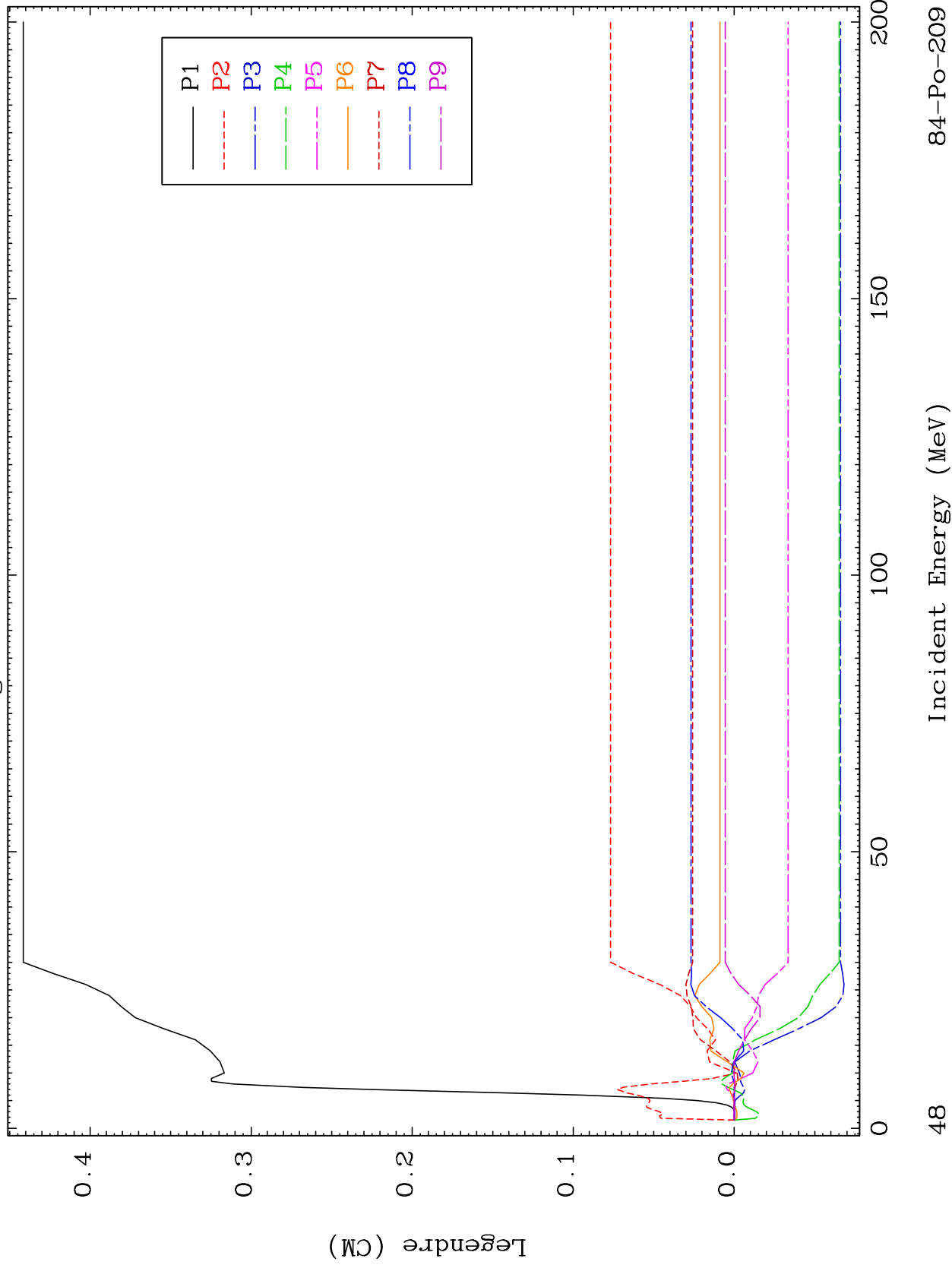
84-Po-209



MAT 8434

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

84-Po-209



84-Po-209

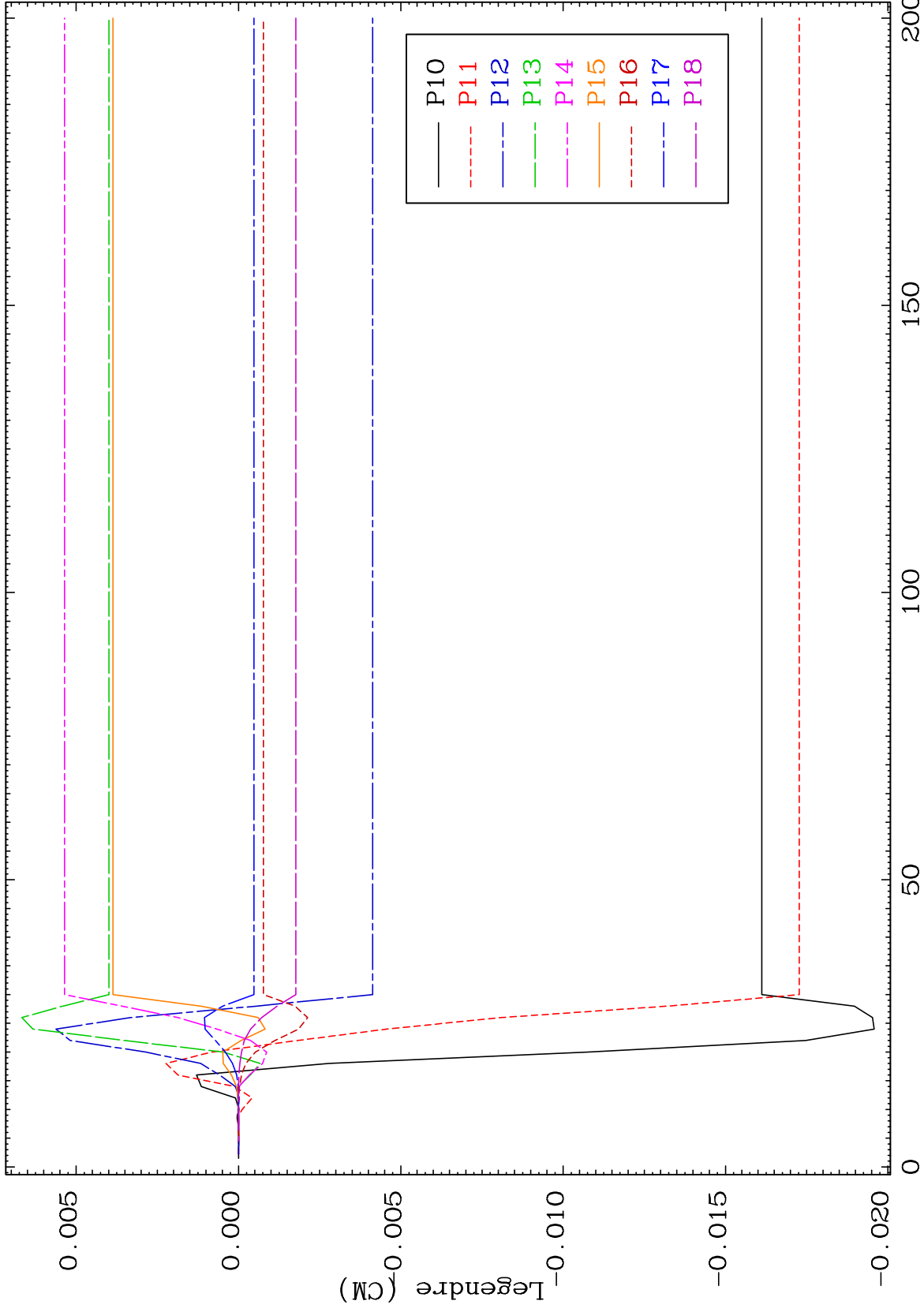
Incident Energy (MeV)

48

MAT 8434

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

84-Po-209



49

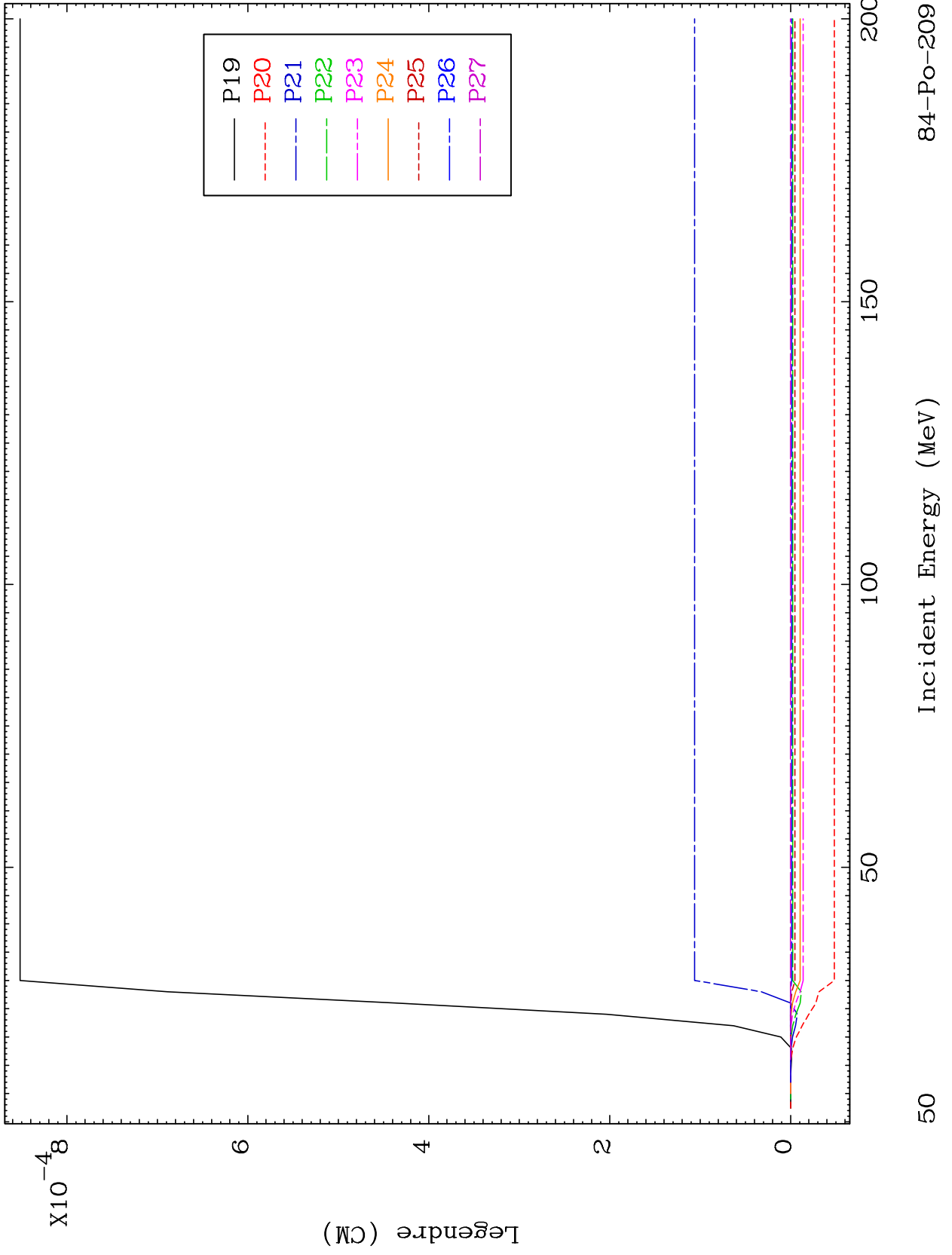
Incident Energy (MeV)

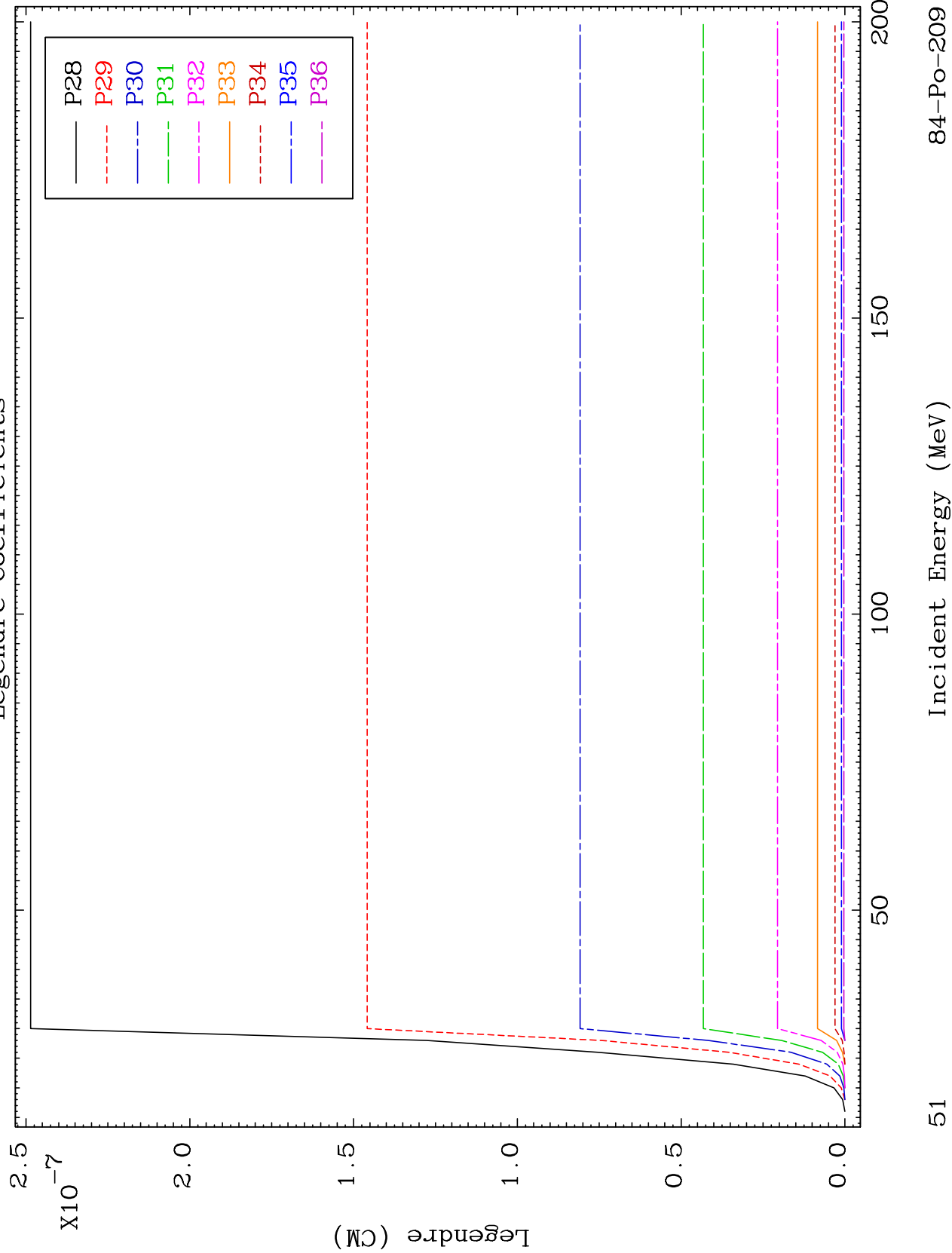
84-Po-209

MAT 8434

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

84-Po-209

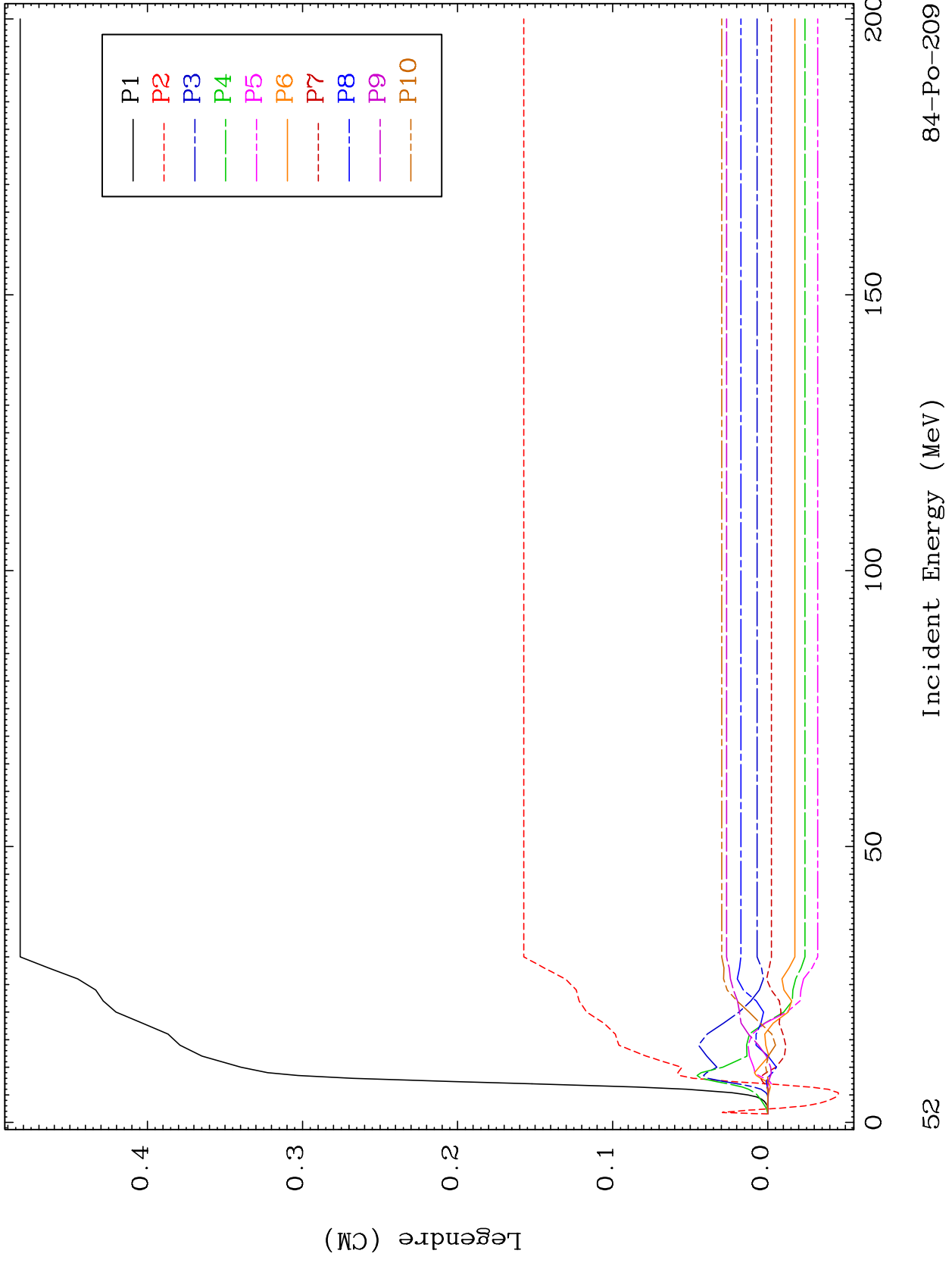




MAT 8434

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

84-Po-209



52

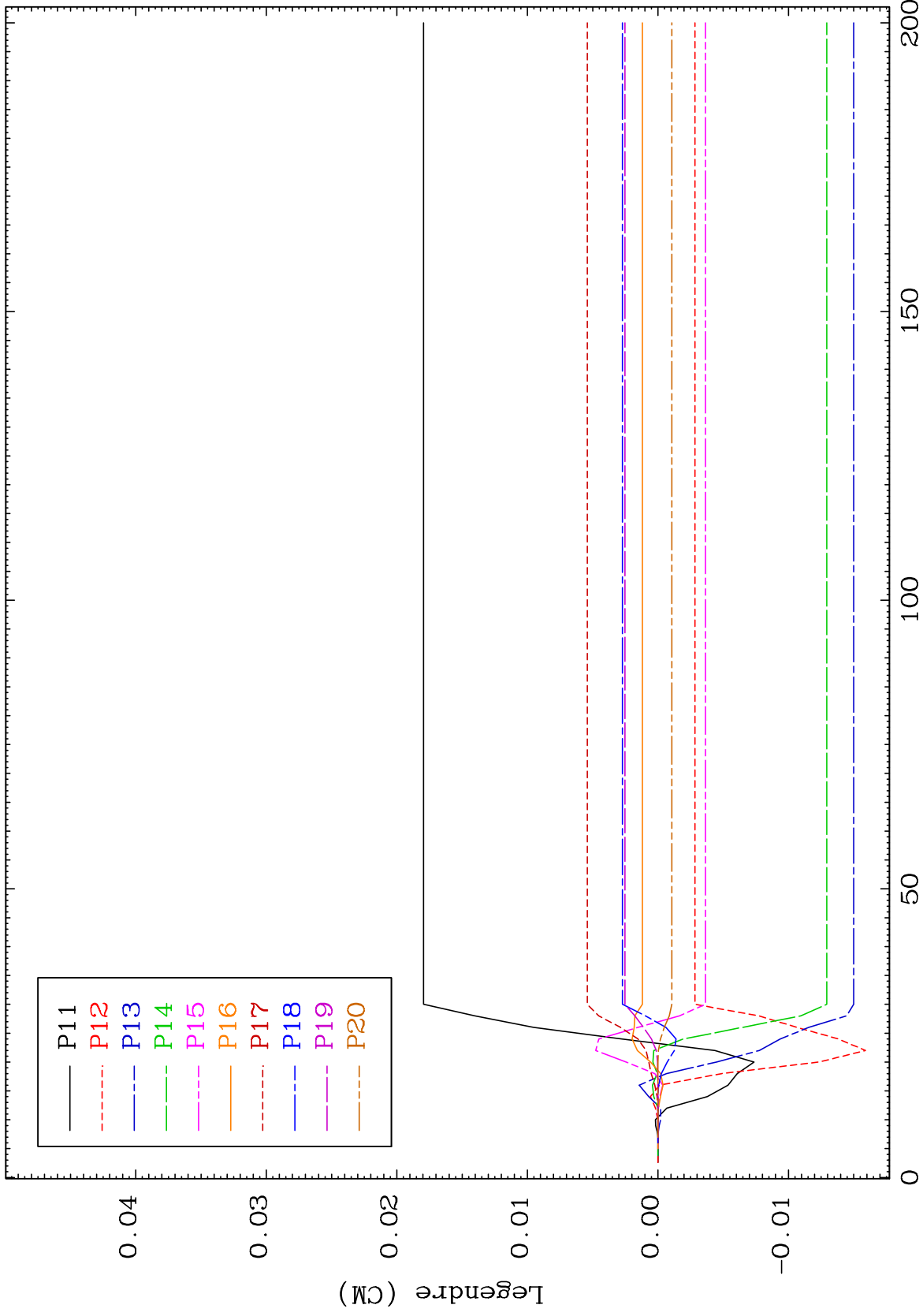
Incident Energy (MeV)

84-Po-209

MAT 8434

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

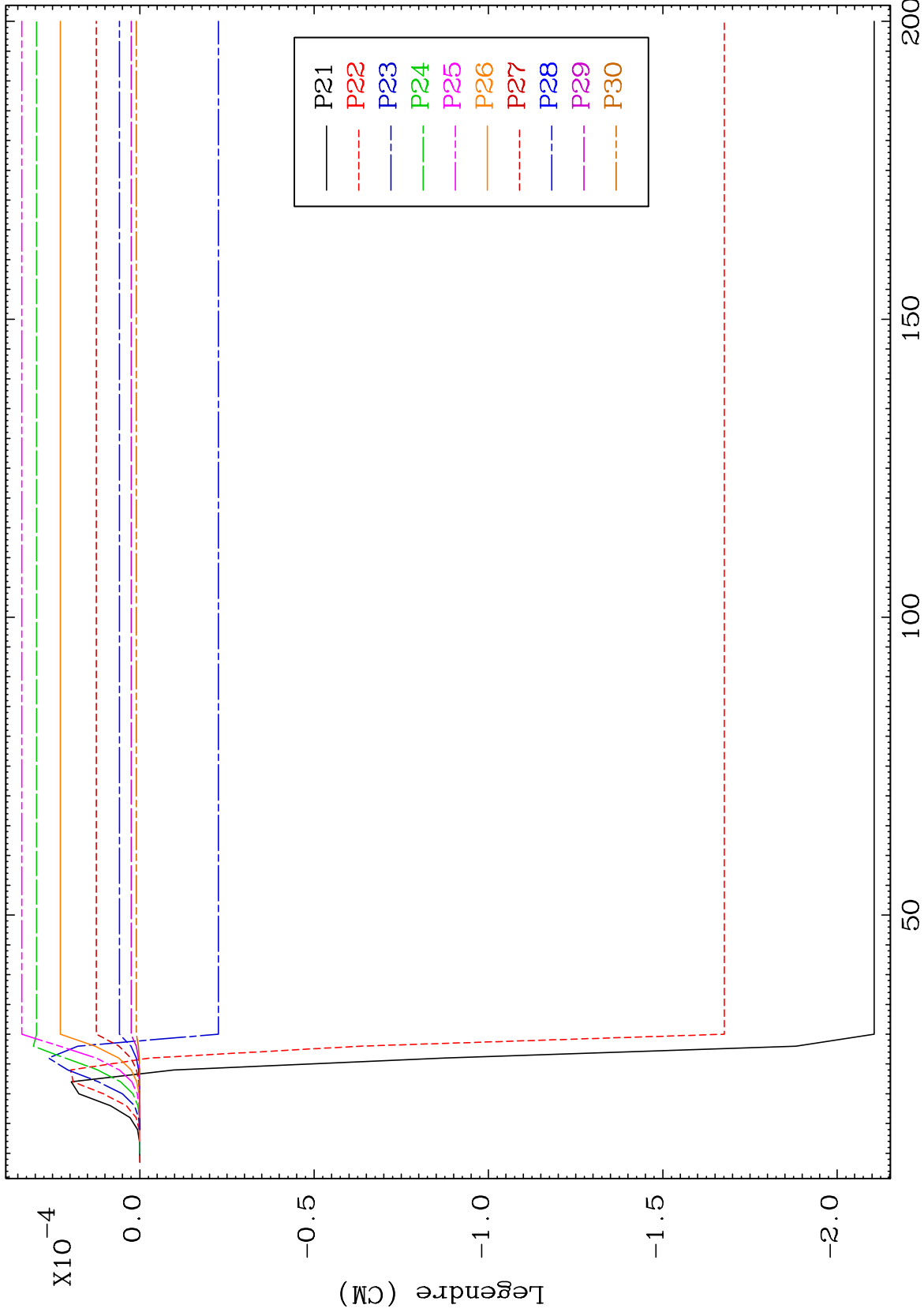
84-Po-209



53

Incident Energy (MeV)

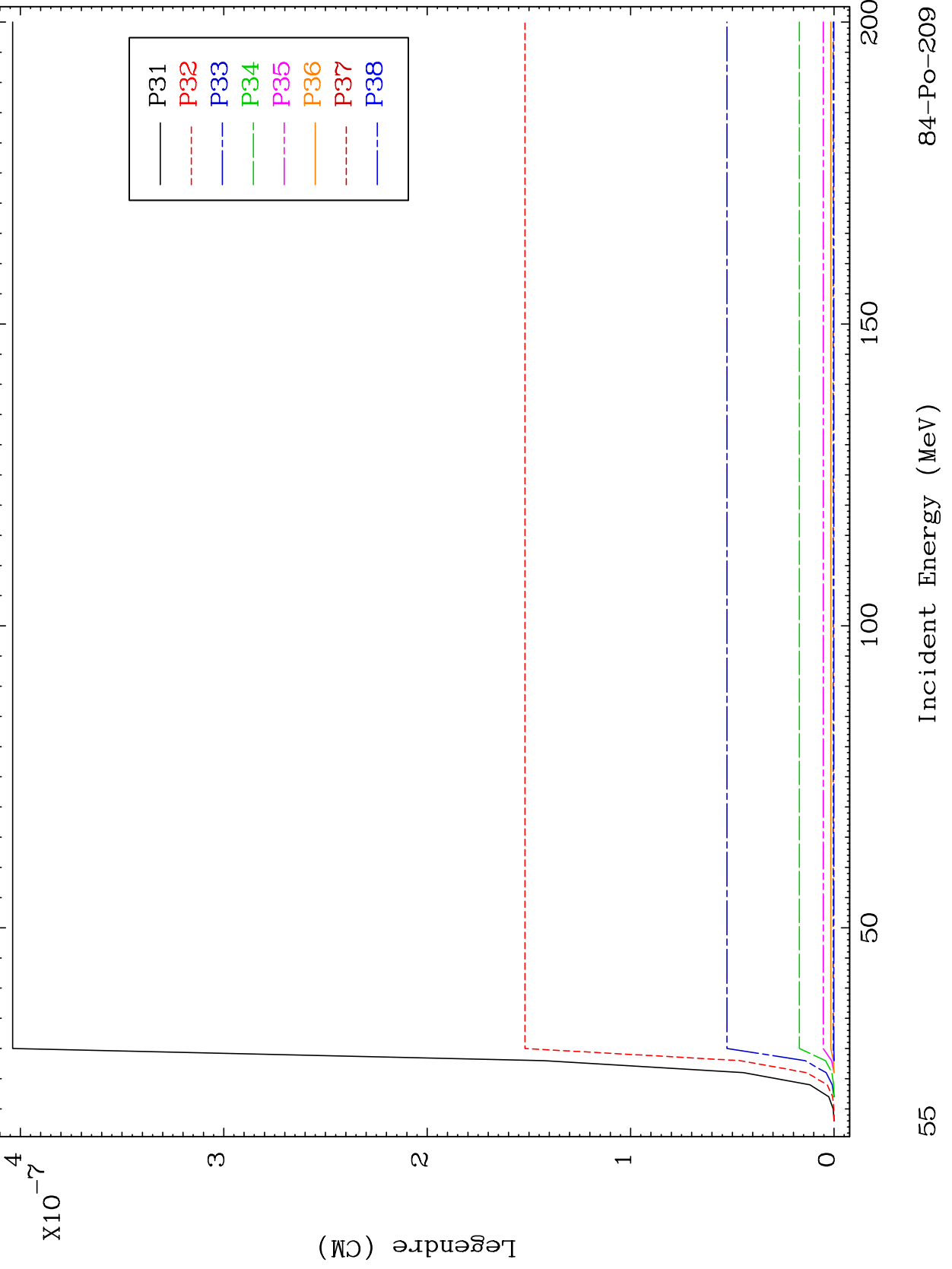
84-Po-209



MAT 8434

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

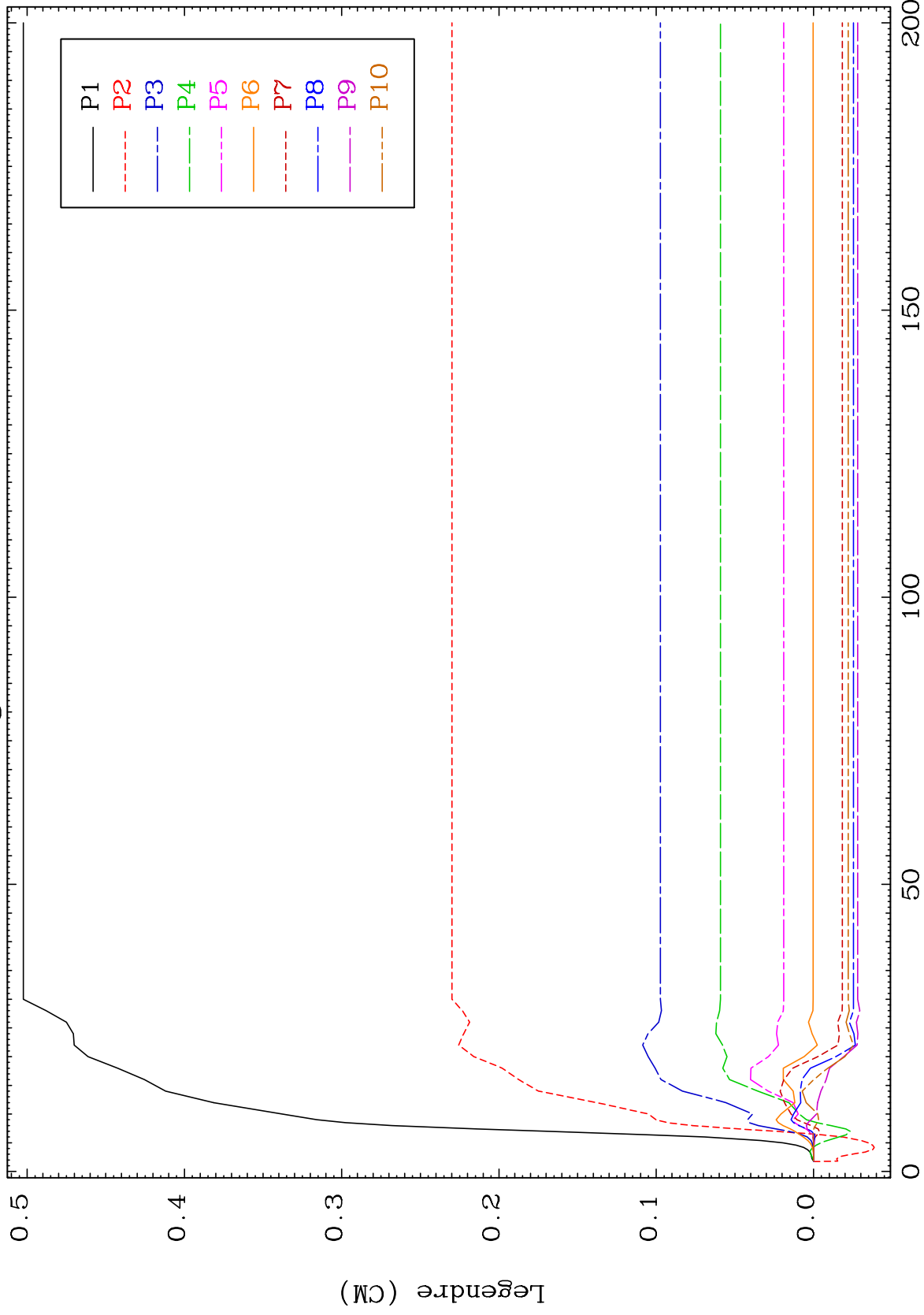
84-Po-209



MAT 8434

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

84-Po-209



56

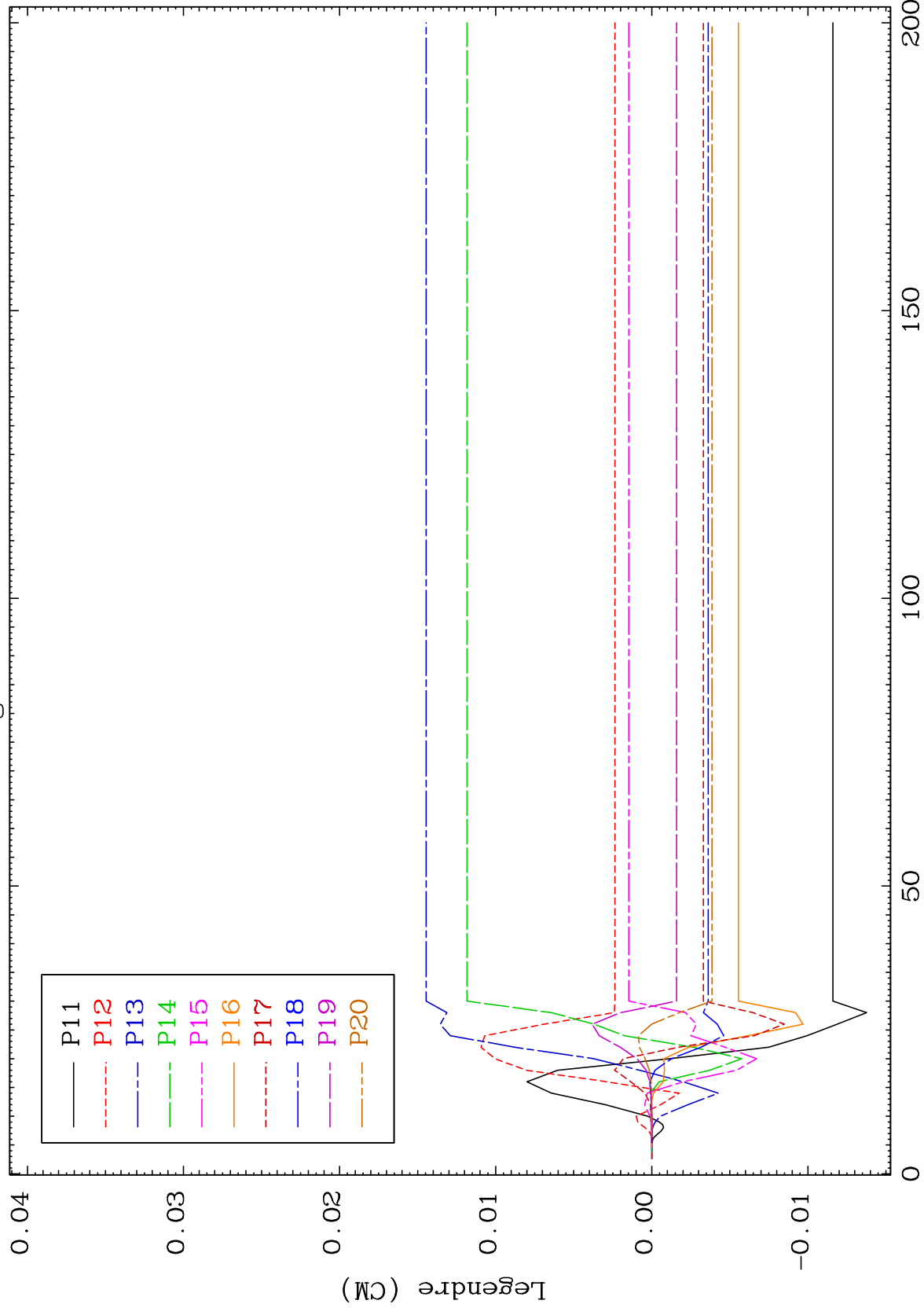
84-Po-209

84-Po-209

MAT 8434

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

84-Po-209



57

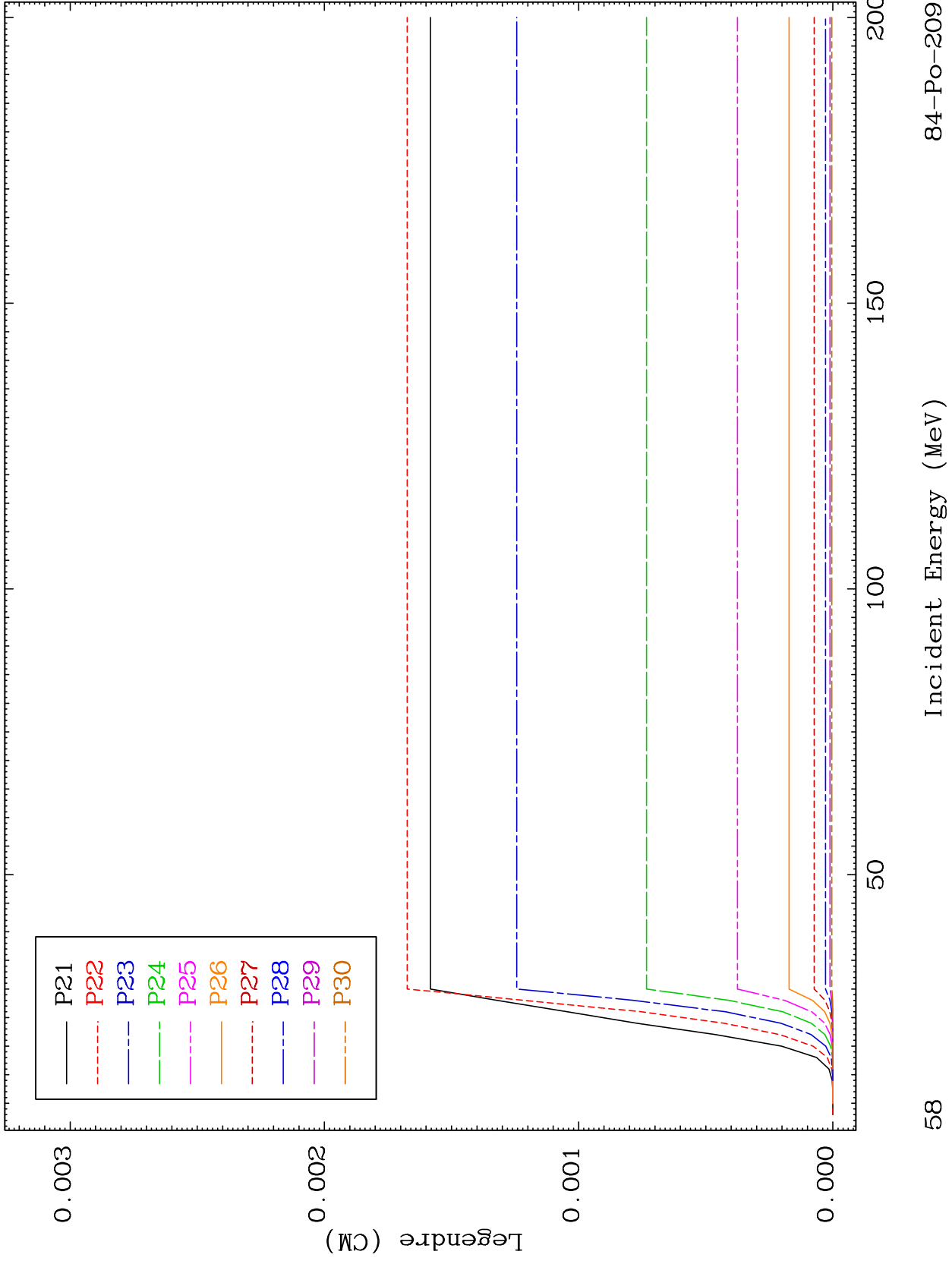
Incident Energy (MeV)

84-Po-209

MAT 8434

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

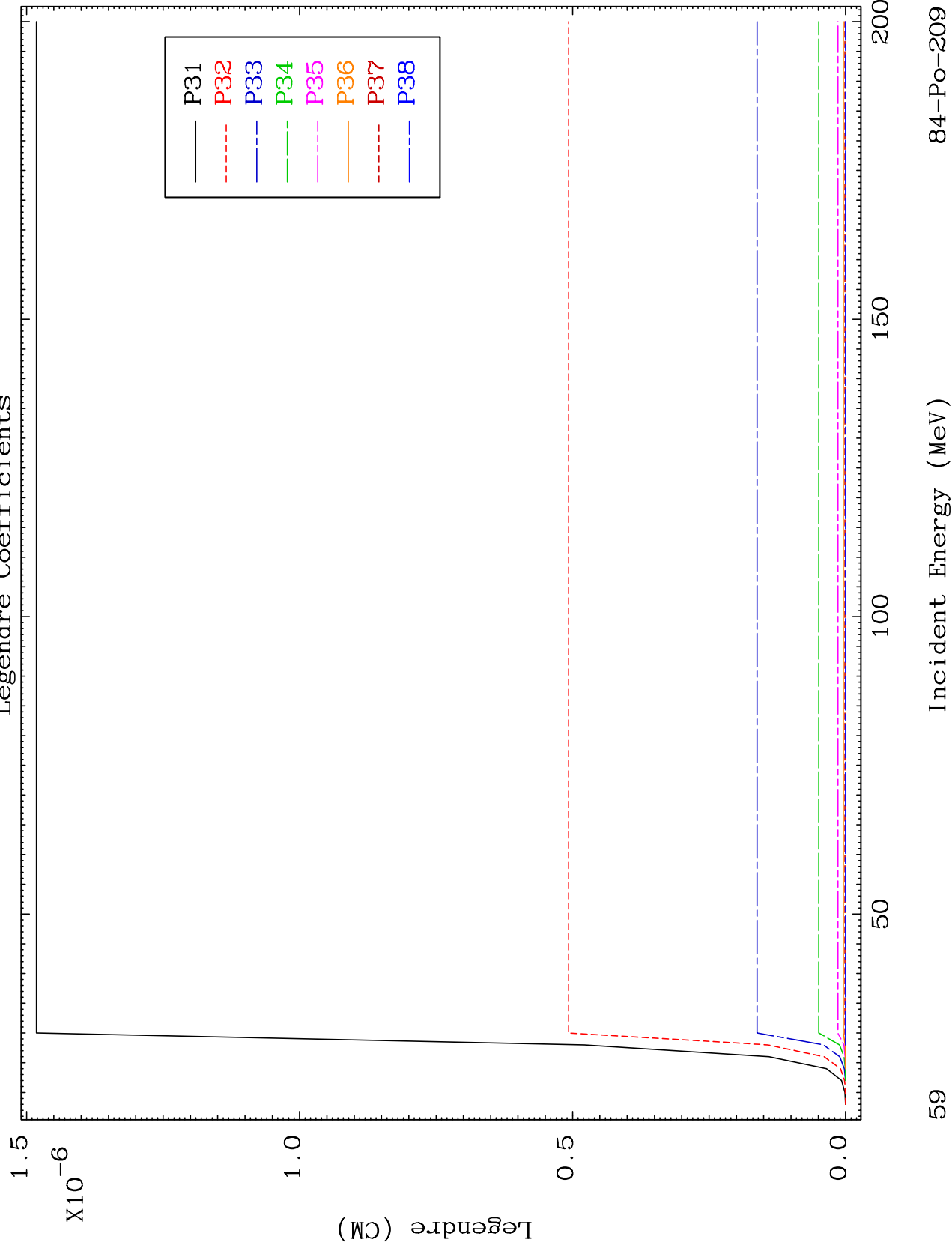
84-Po-209



58

Incident Energy (MeV)

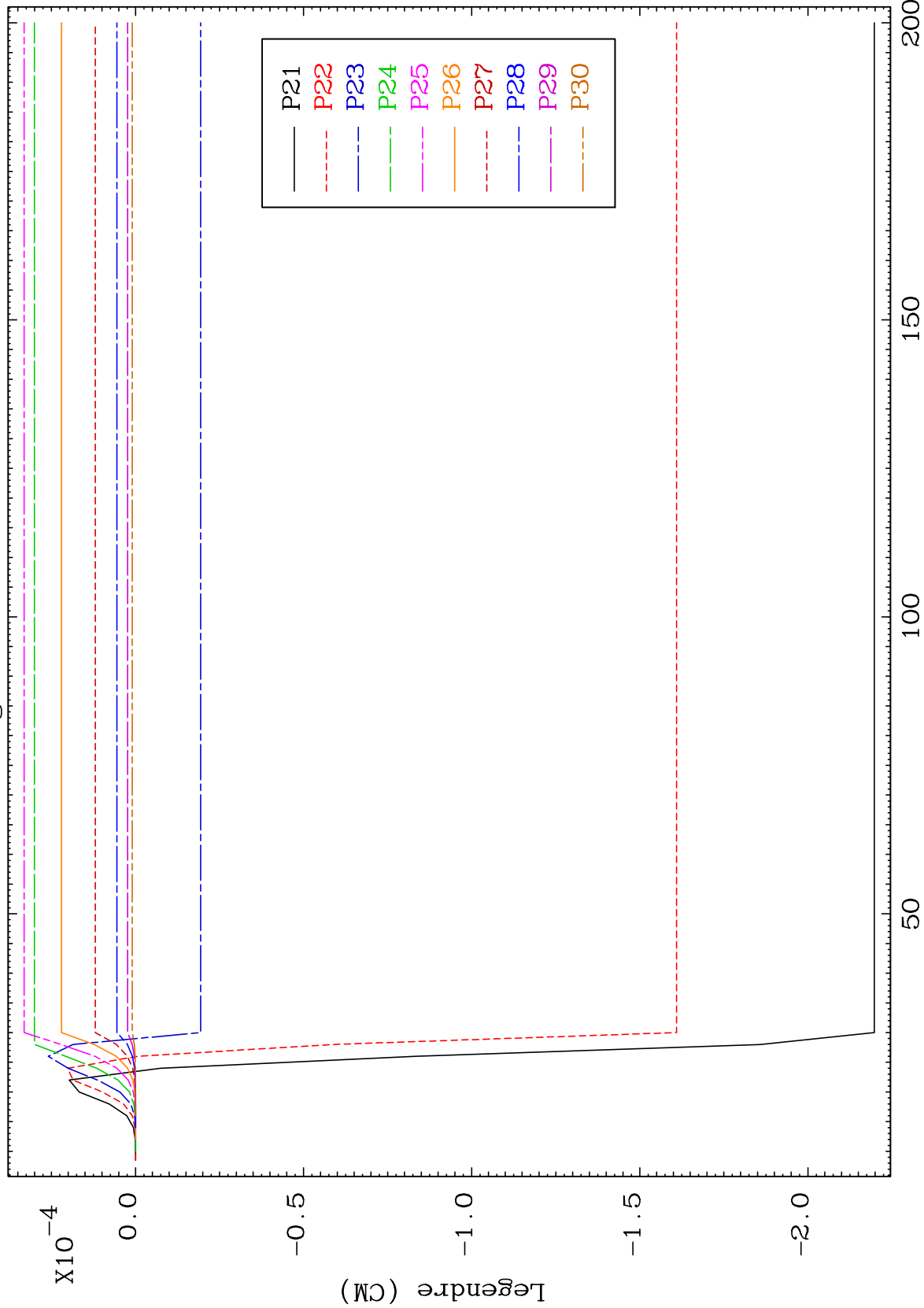
84-Po-209



MAT 8434

84-Po-209

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



62

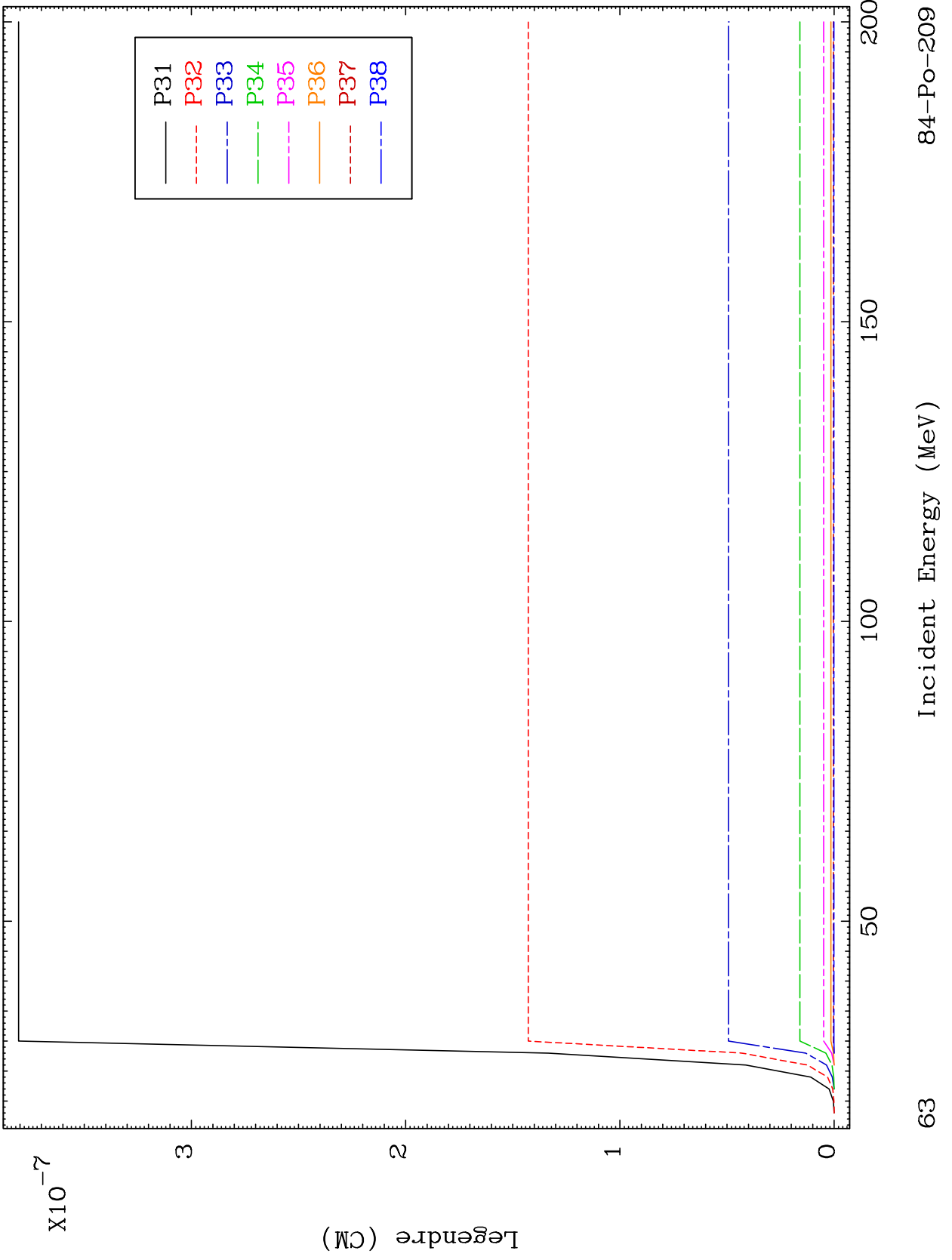
Incident Energy (MeV)

84-Po-209

MAT 8434

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

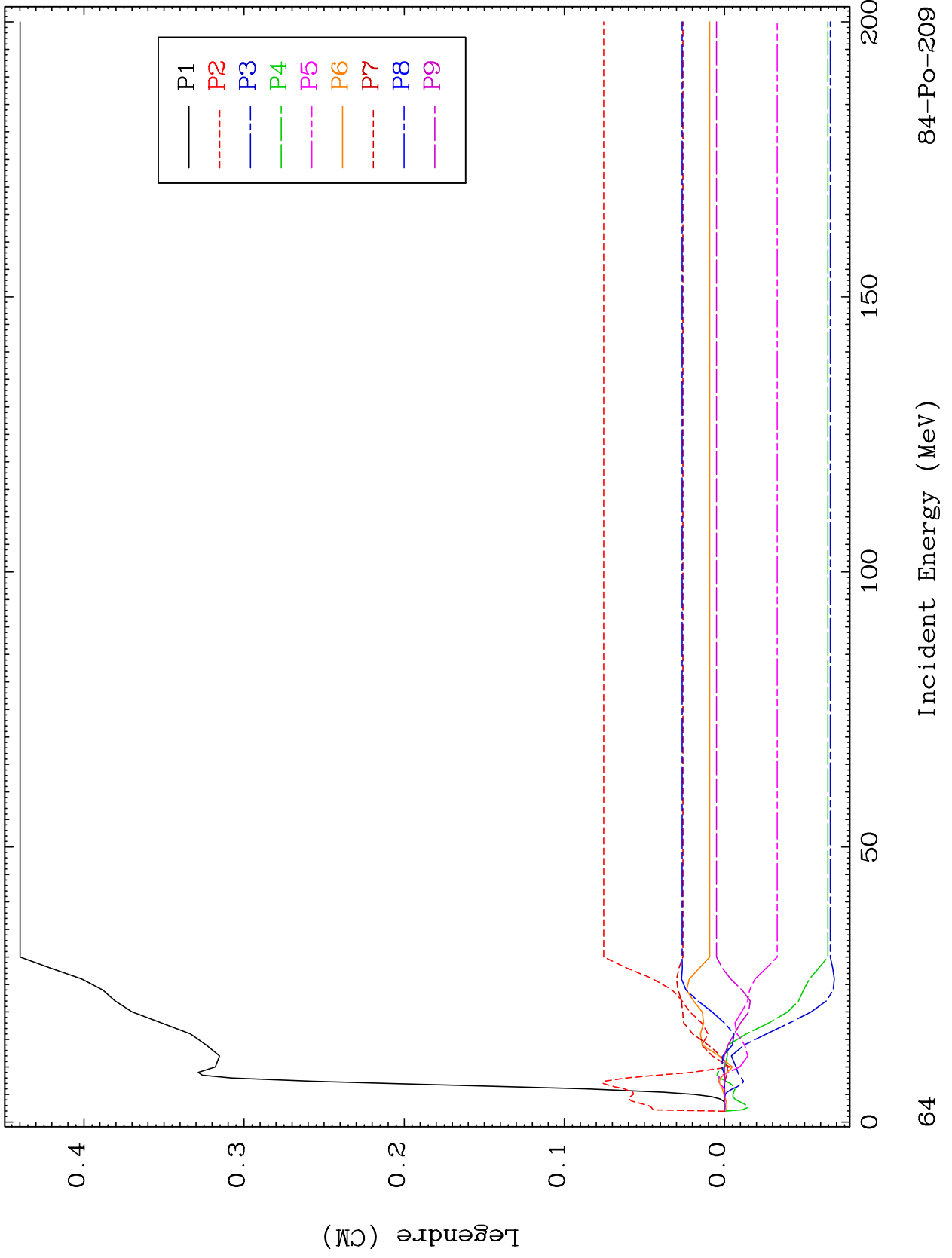
84-Po-209



MAT 8434

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

84-Po-209



64

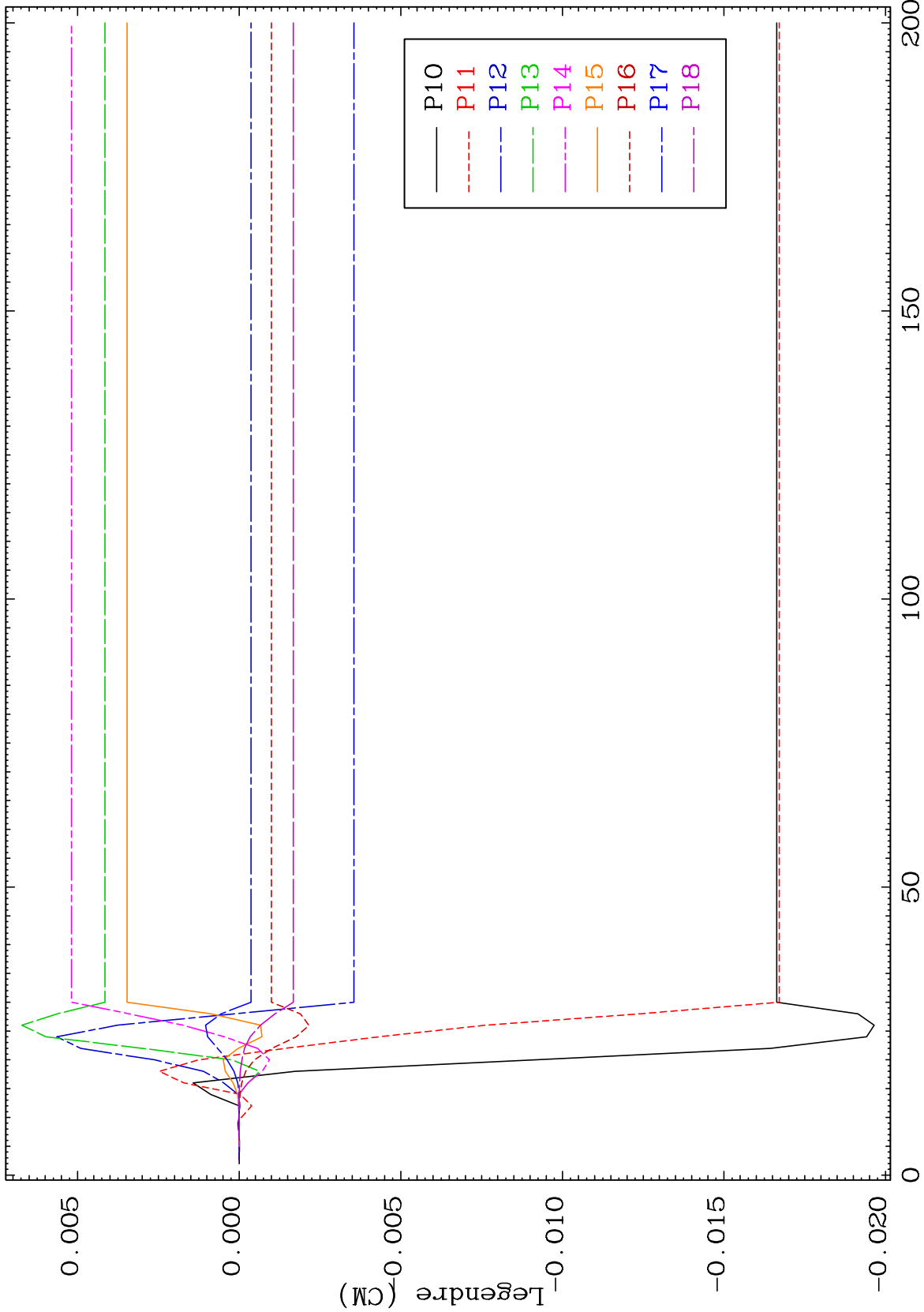
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



65

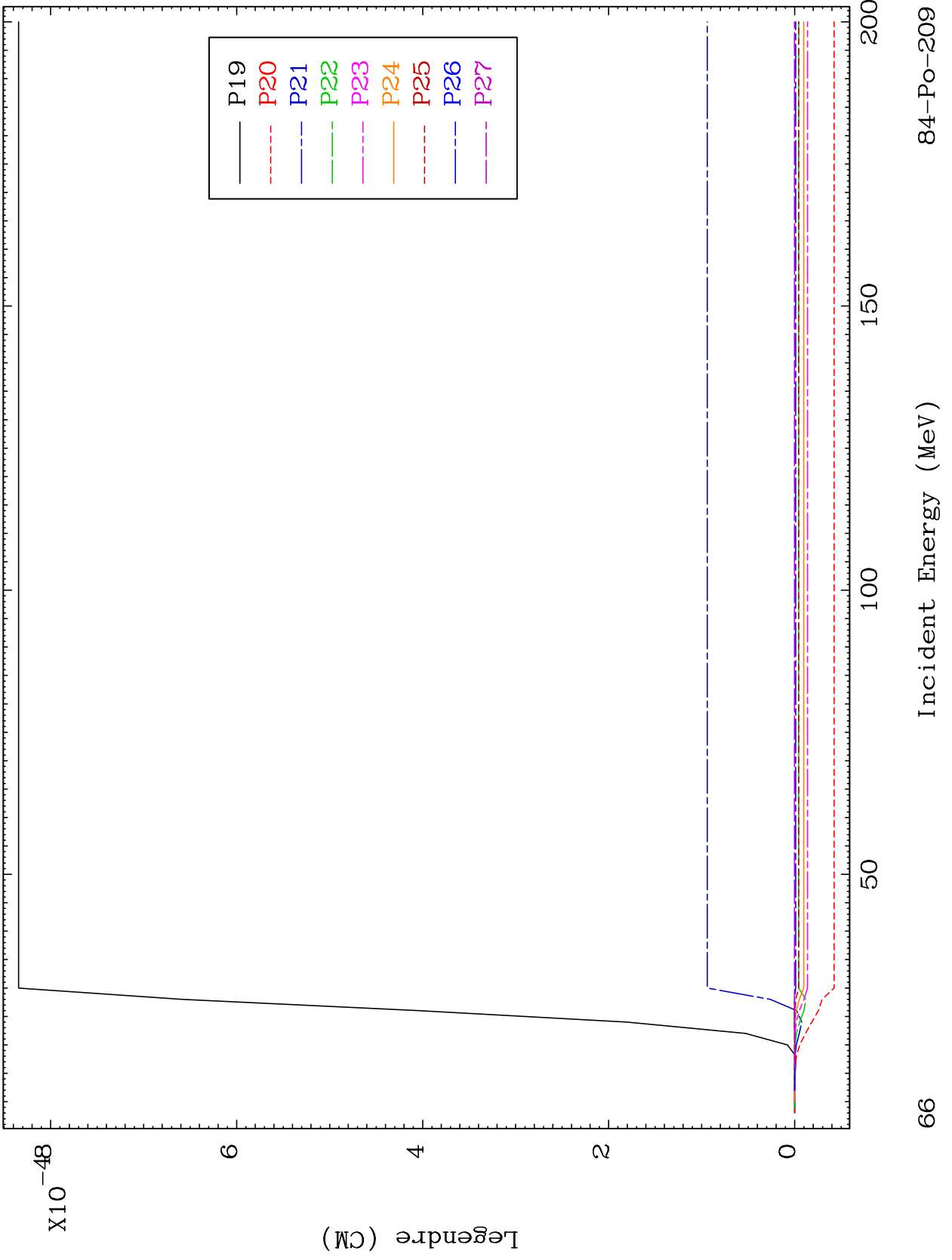
Incident Energy (MeV)

84-Po-209

MAT 8434

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

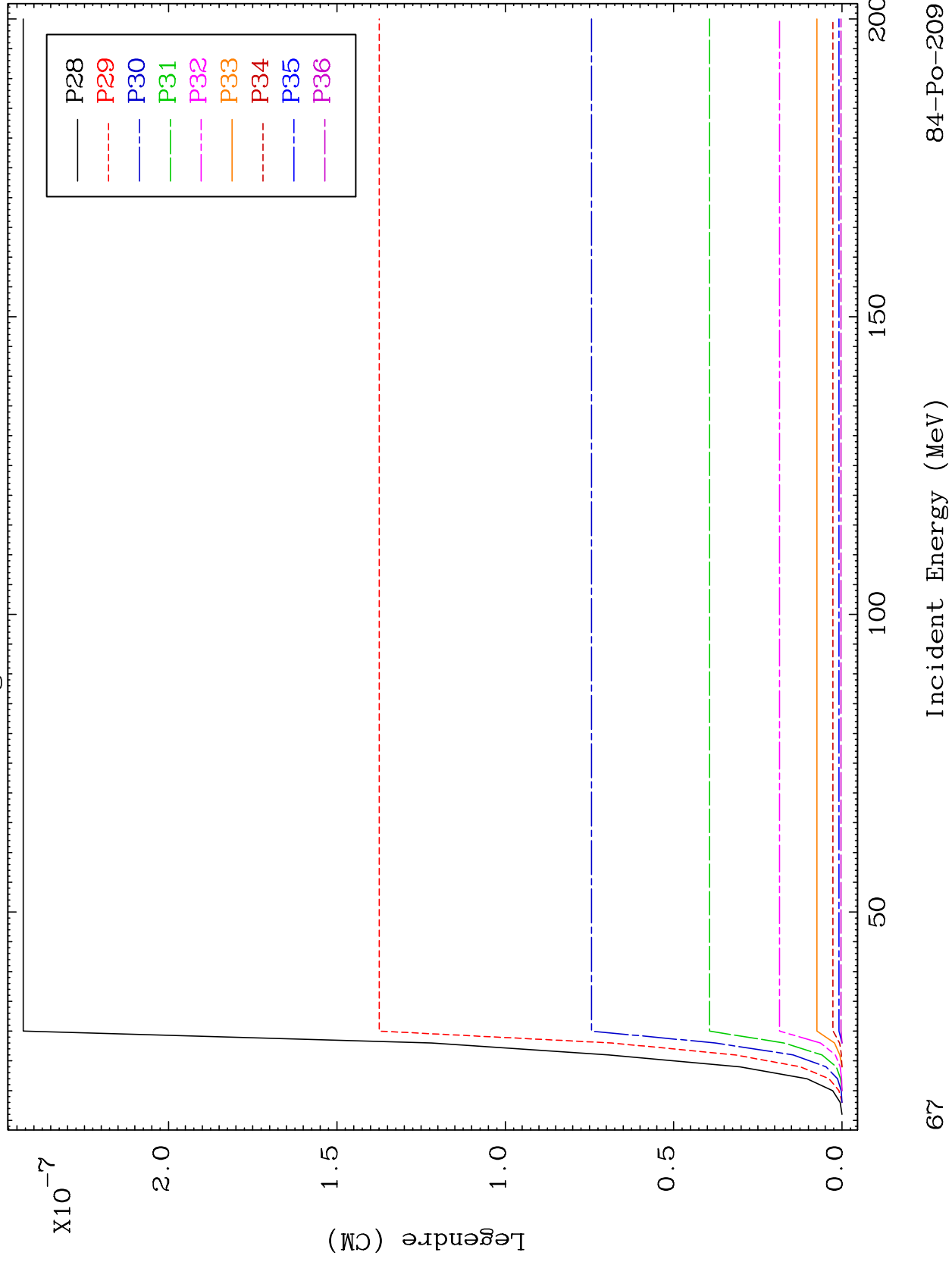
84-Po-209



MAT 8434

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

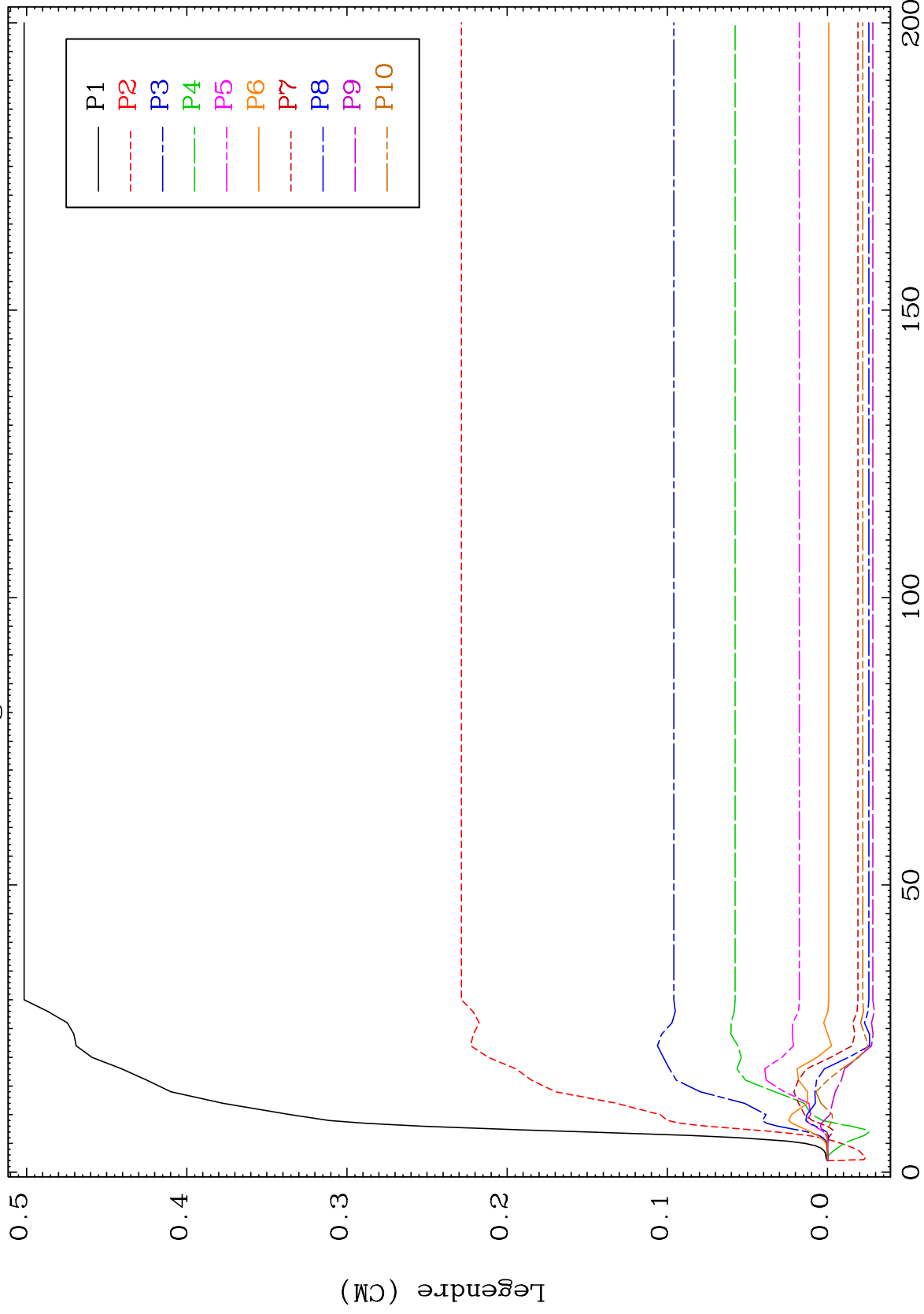
84-Po-209



MAT 8434

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

84-Po-209



68

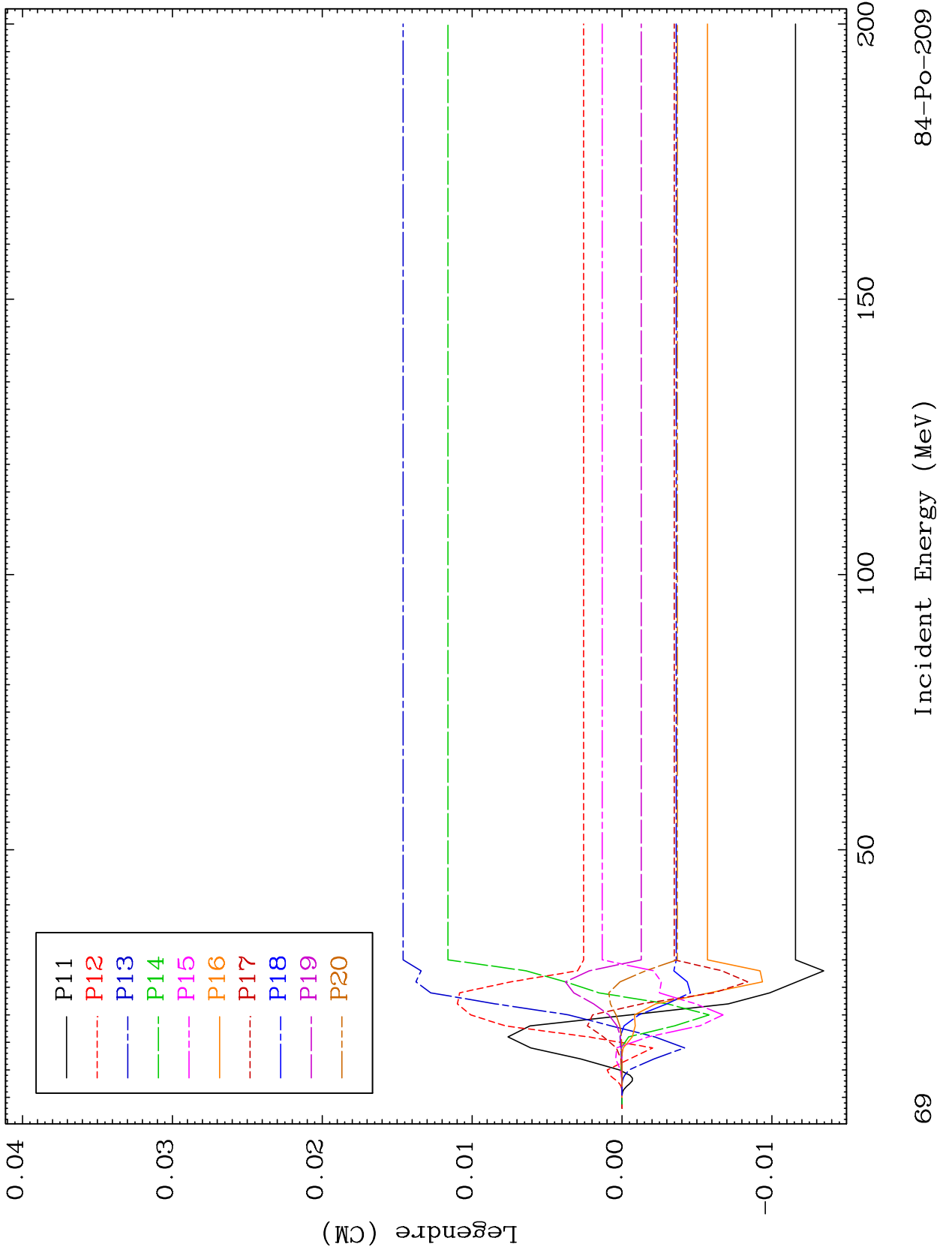
Incident Energy (MeV)

84-Po-209

MAT 8434

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

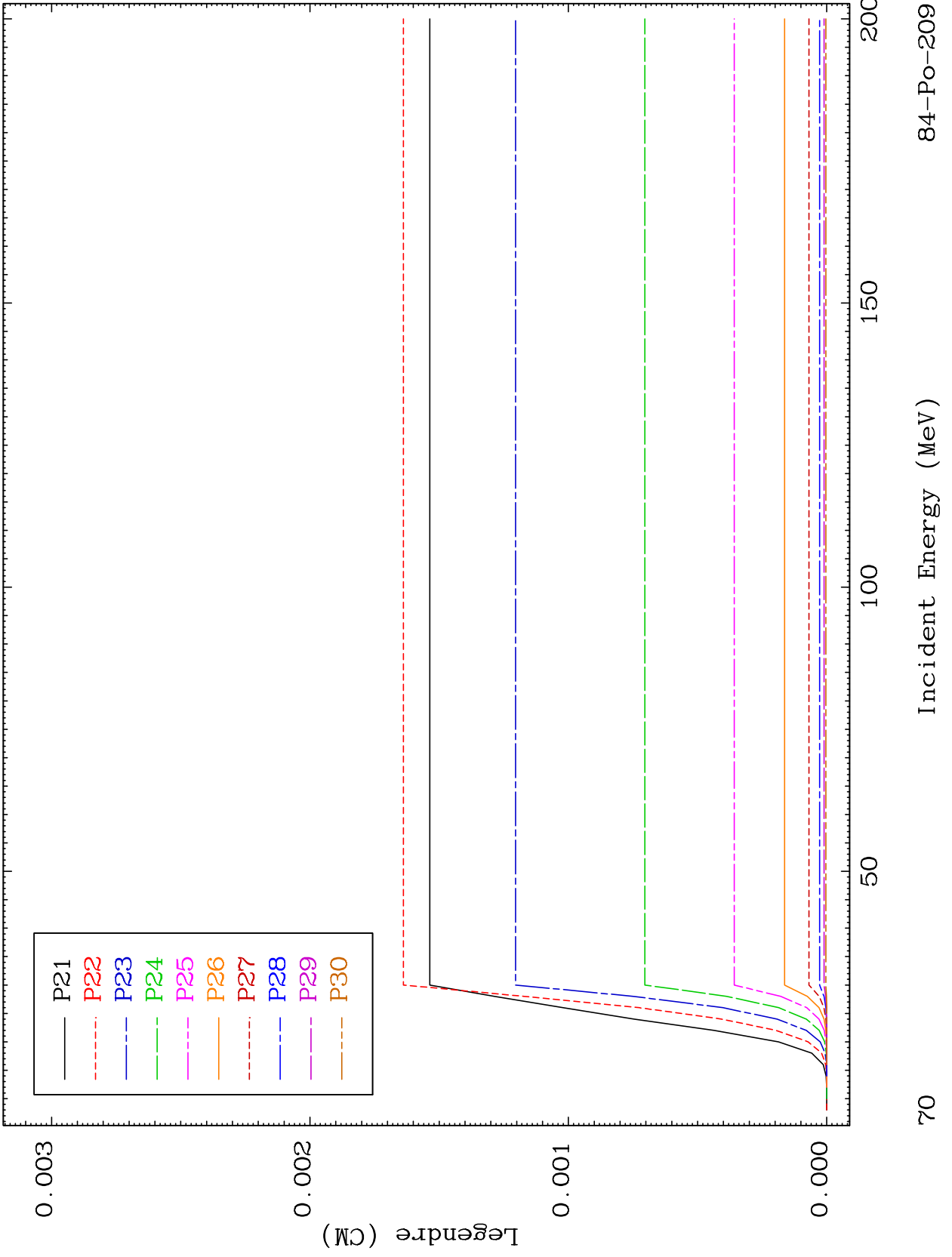
84-Po-209



MAT 8434

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

84-Po-209



70

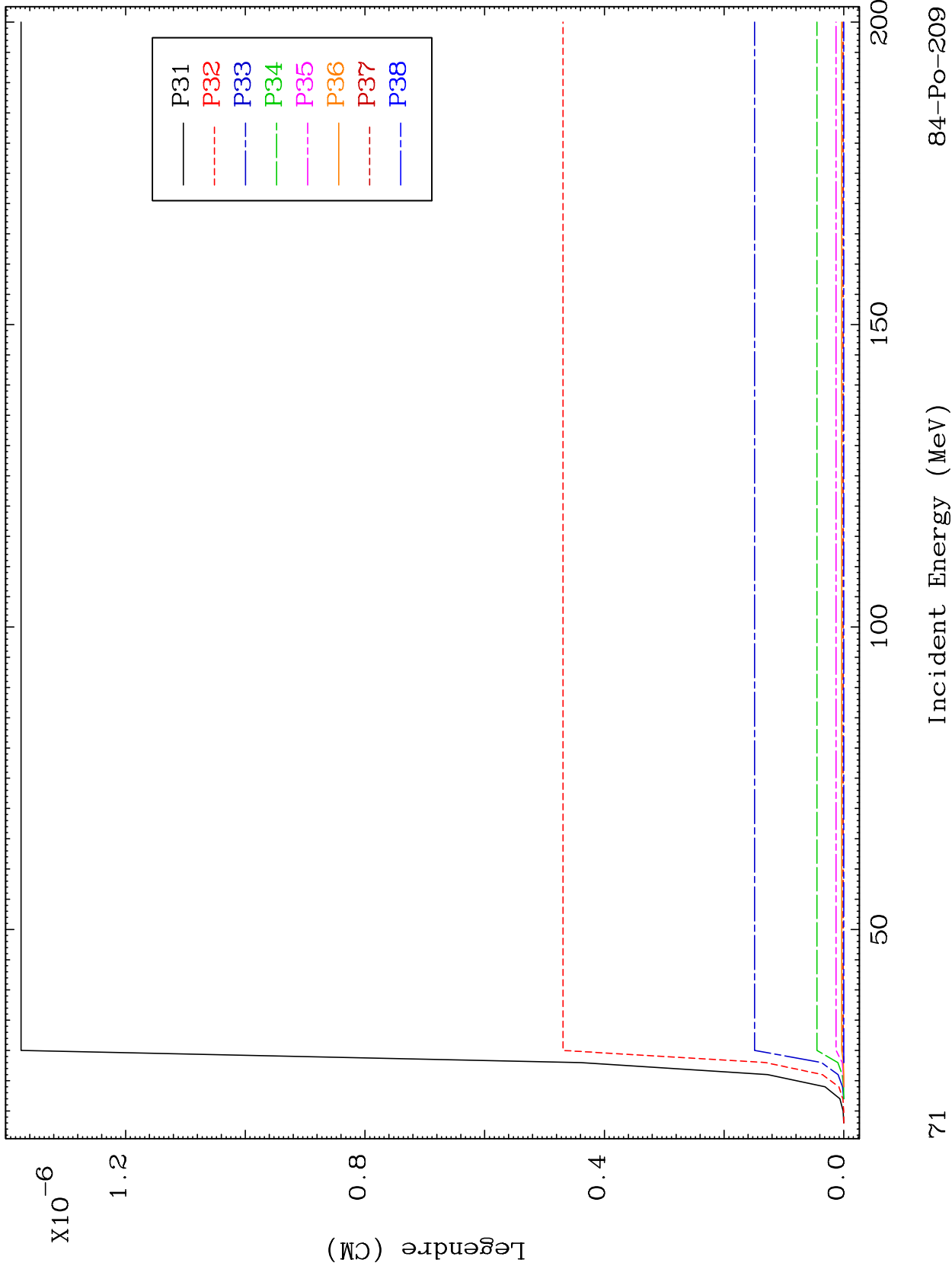
Incident Energy (MeV)

84-Po-209

MAT 8434

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

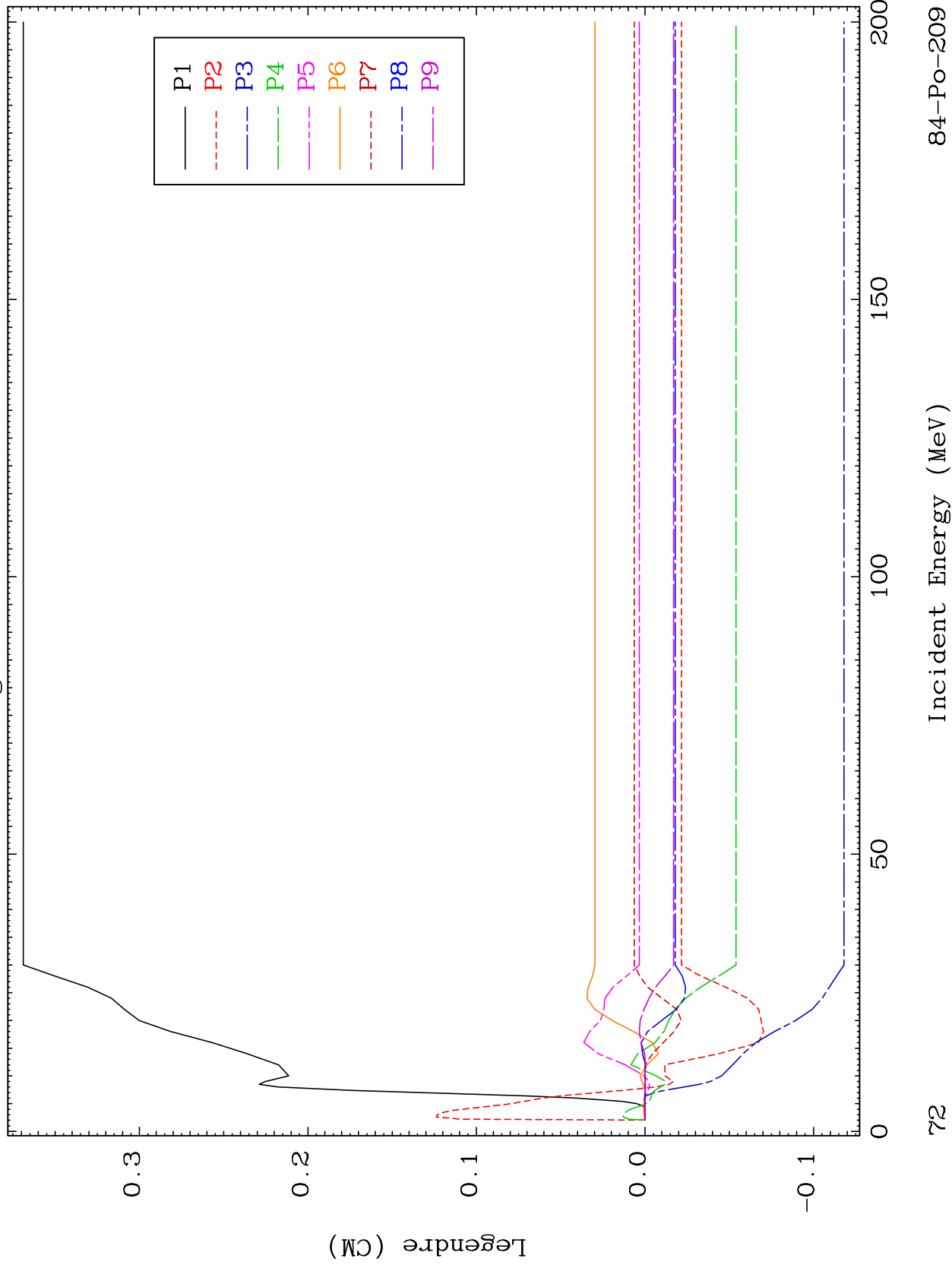
84-Po-209



MAT 8434

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

84-Po-209



72

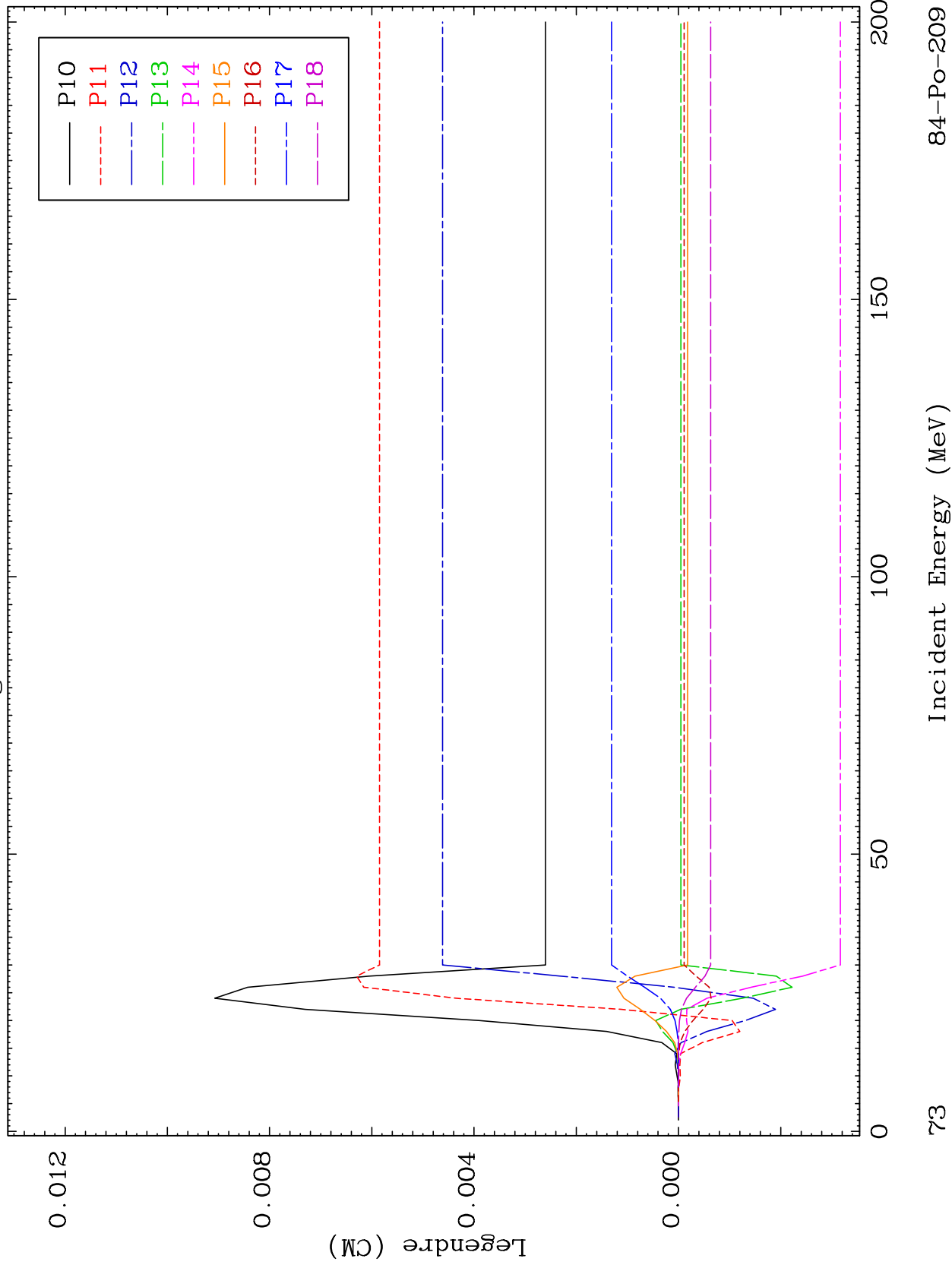
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



73

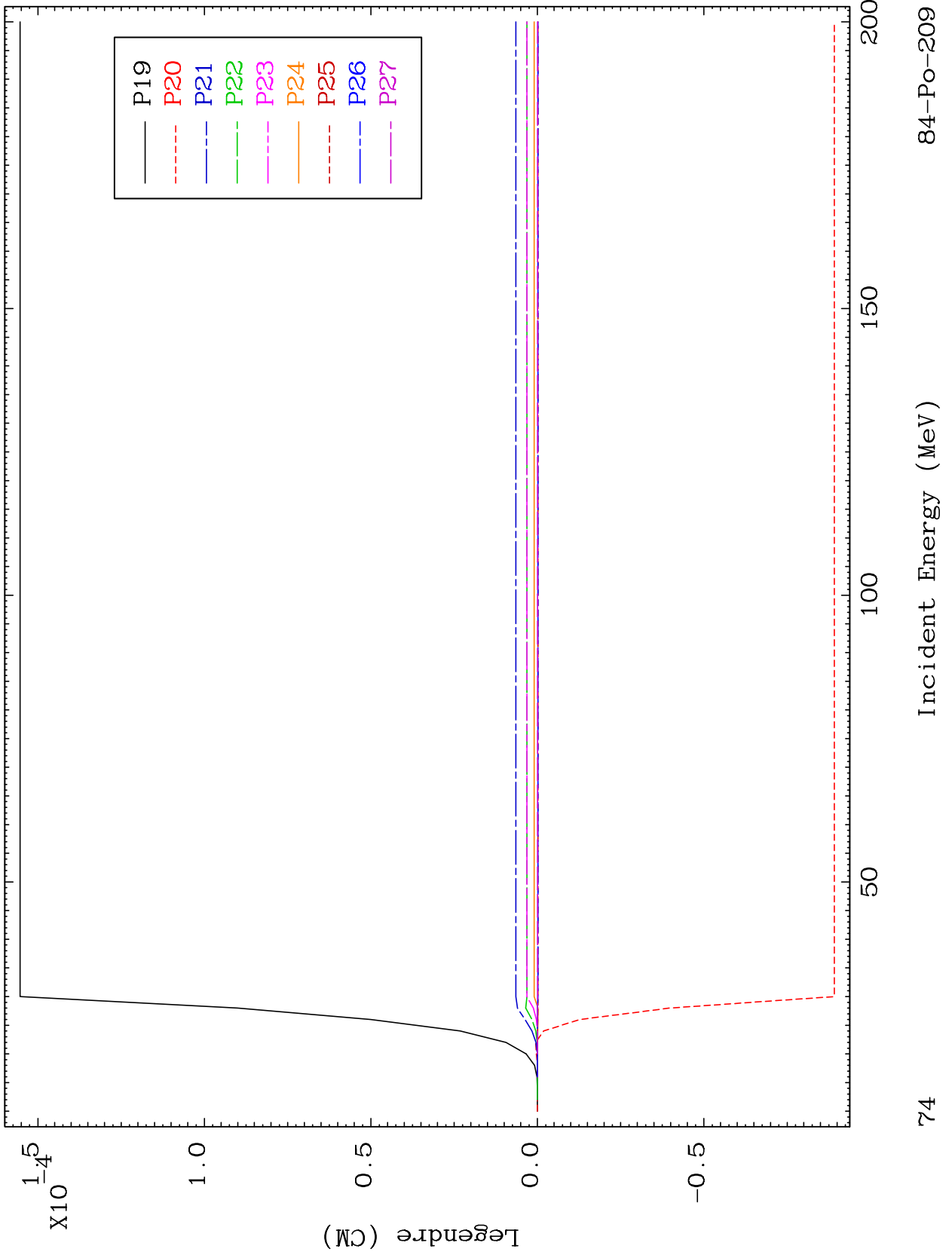
Incident Energy (MeV)

84-Po-209

MAT 8434

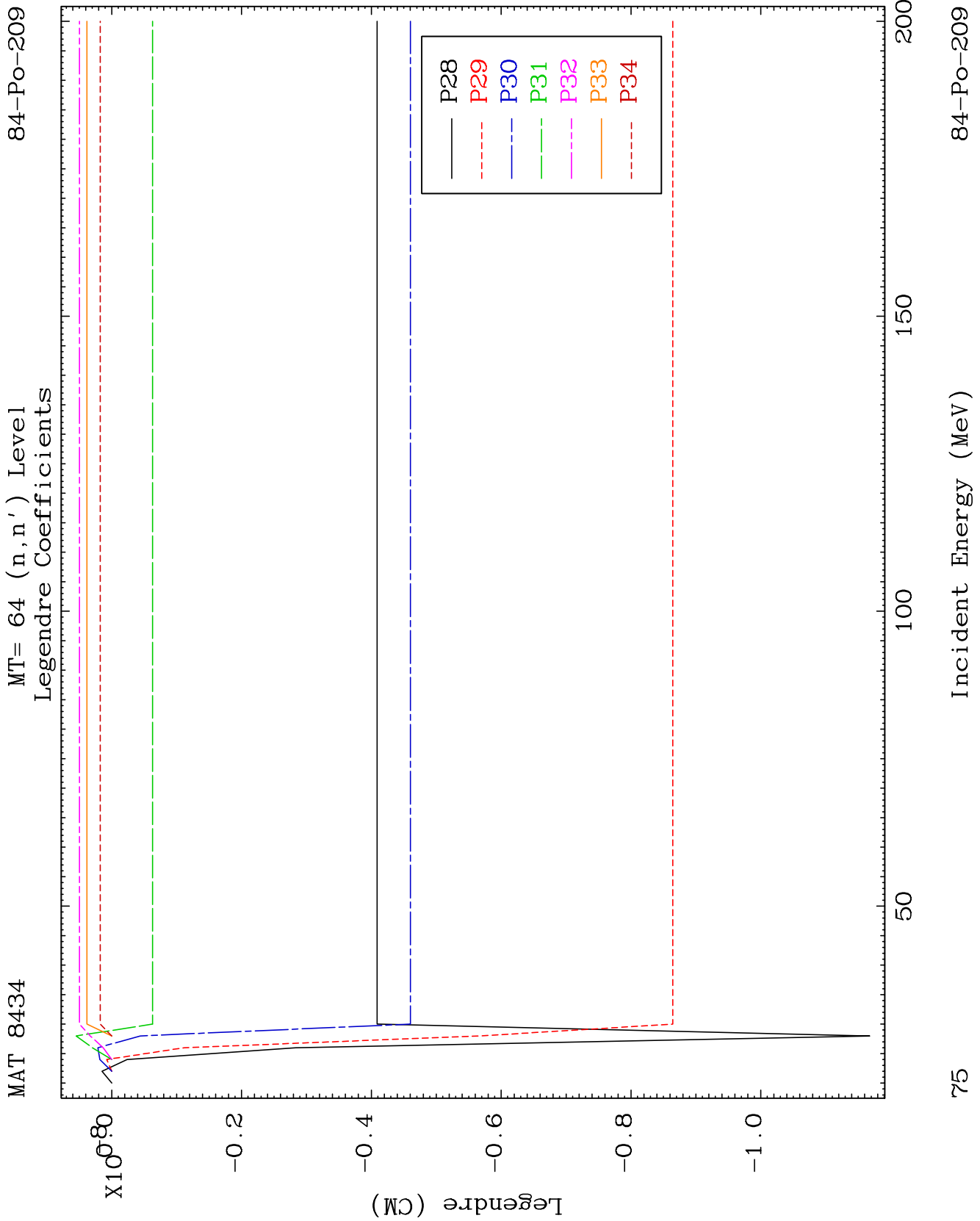
MT= 64 (n,n') Level
Legendre Coefficients

84-Po-209



74

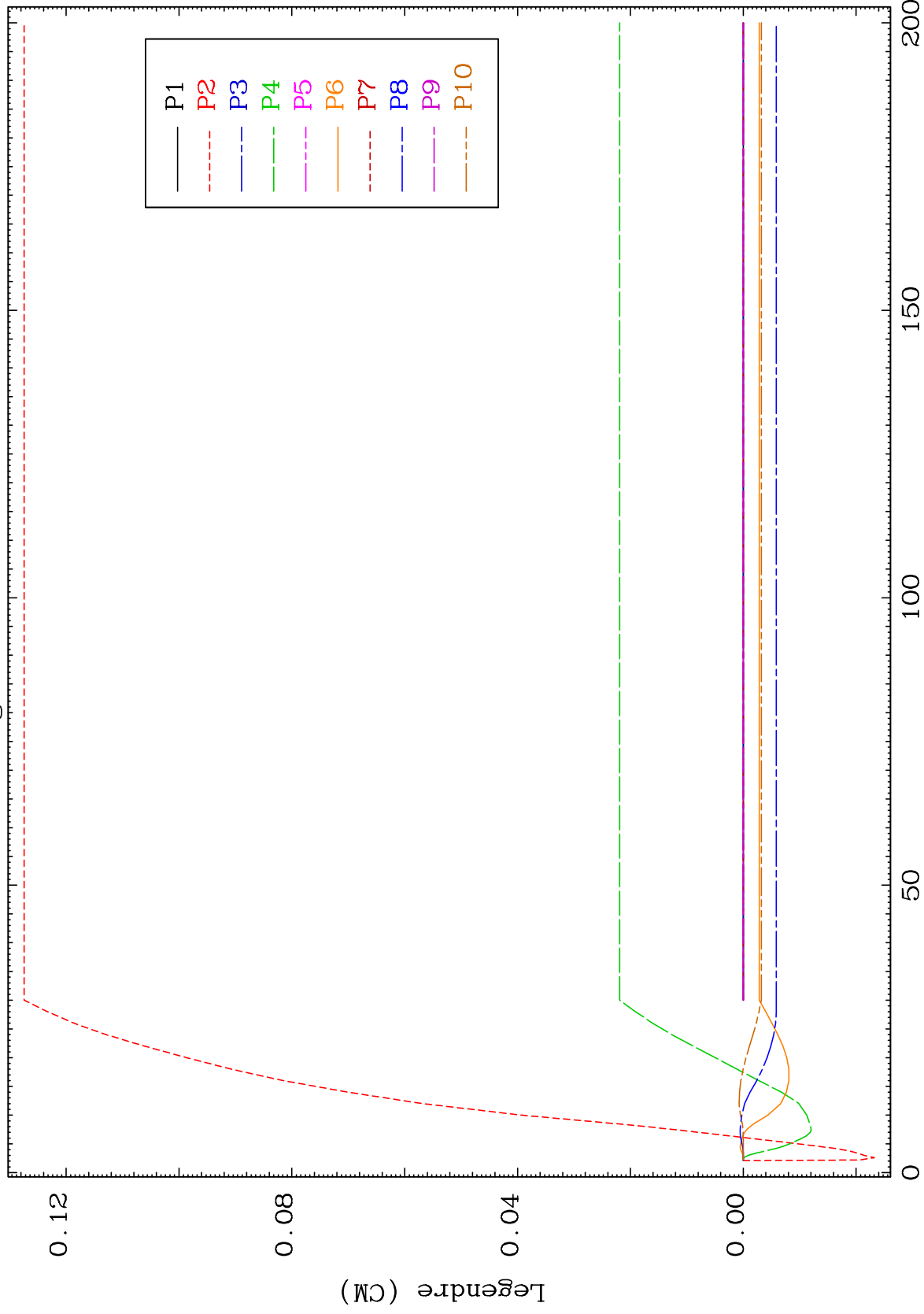
84-Po-209



MAT 8434

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

84-Po-209



76

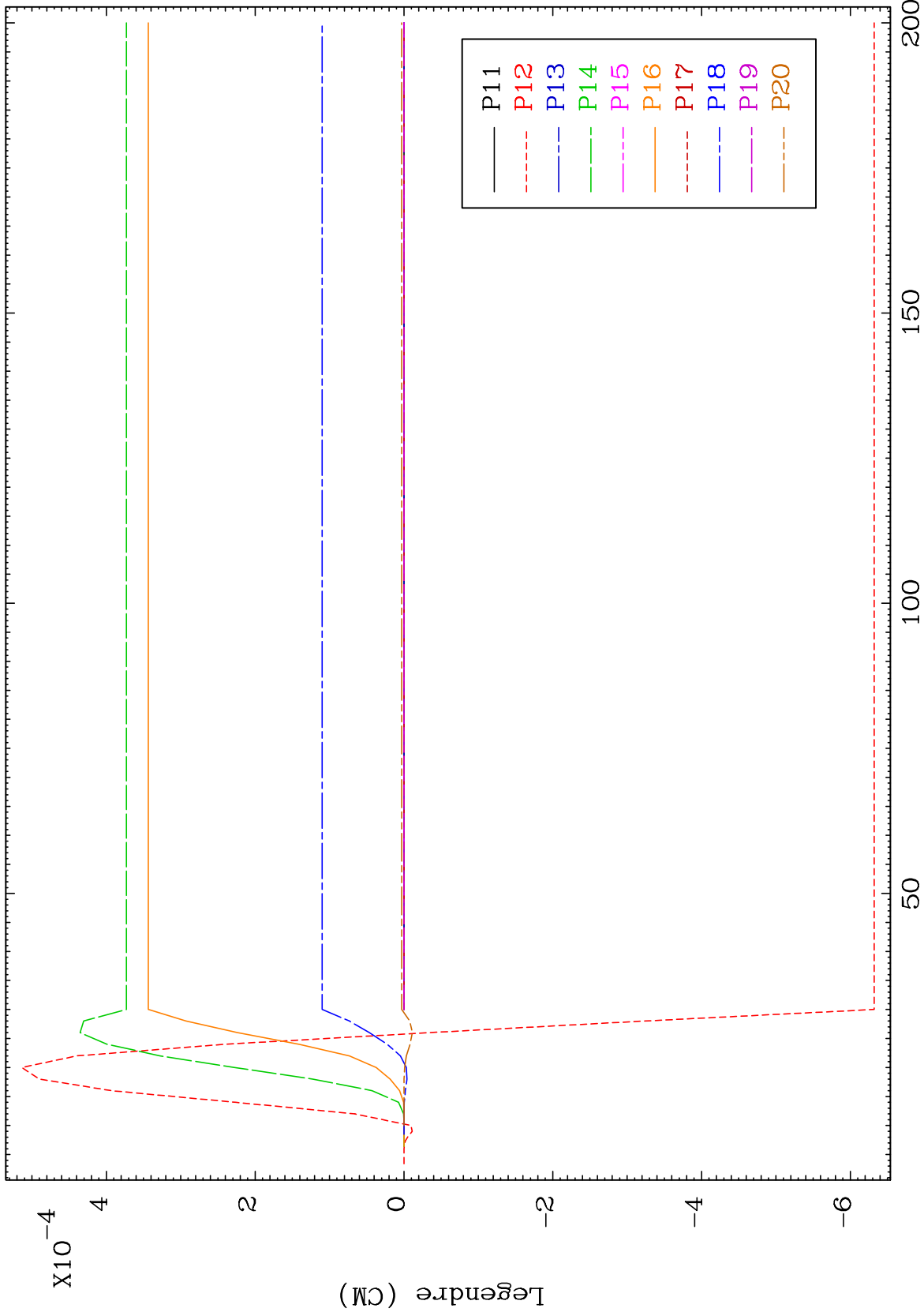
Incident Energy (MeV)

84-Po-209

MAT 8434

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

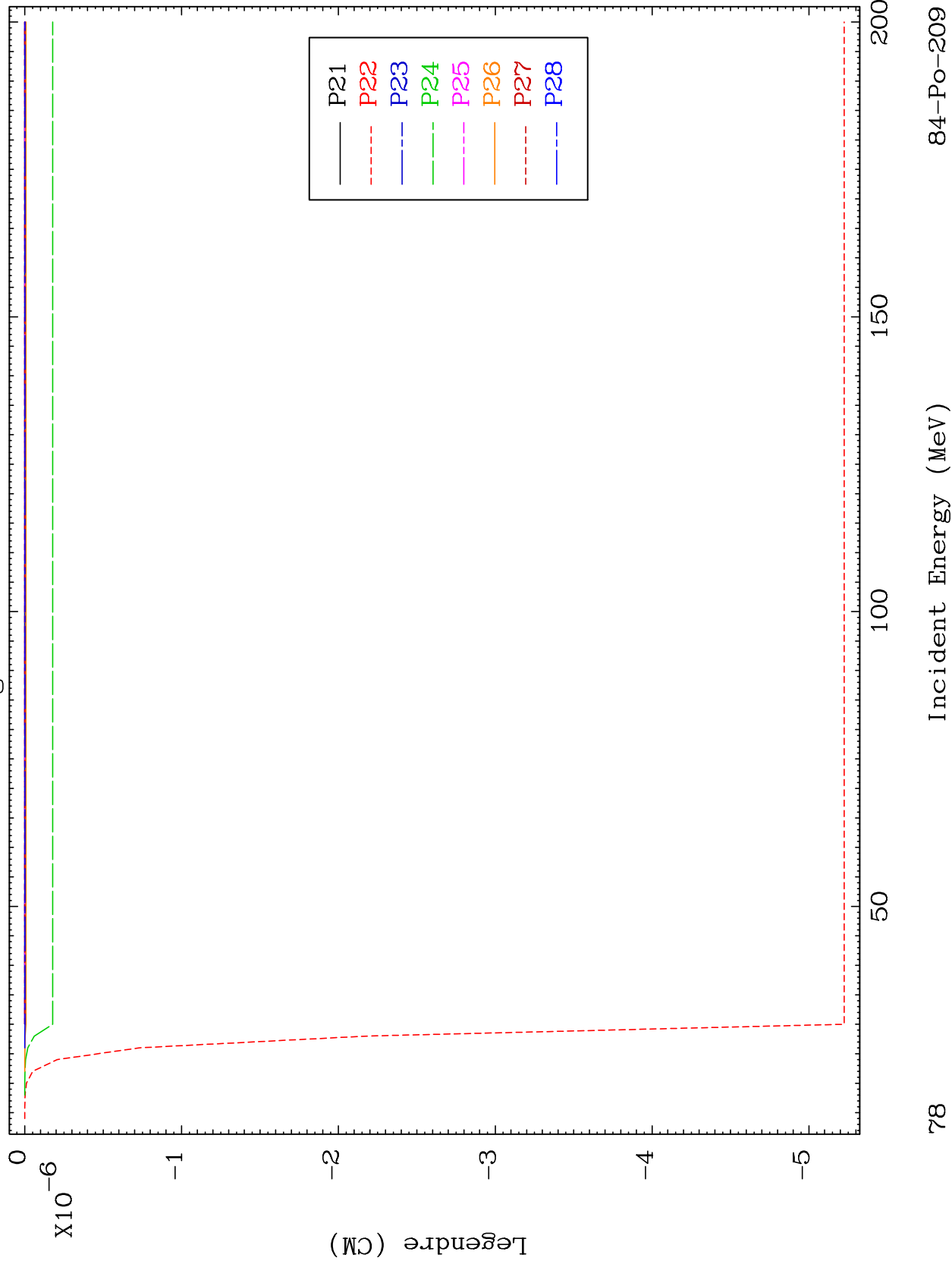
84-Po-209



MAT 8434

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

84-Po-209



78

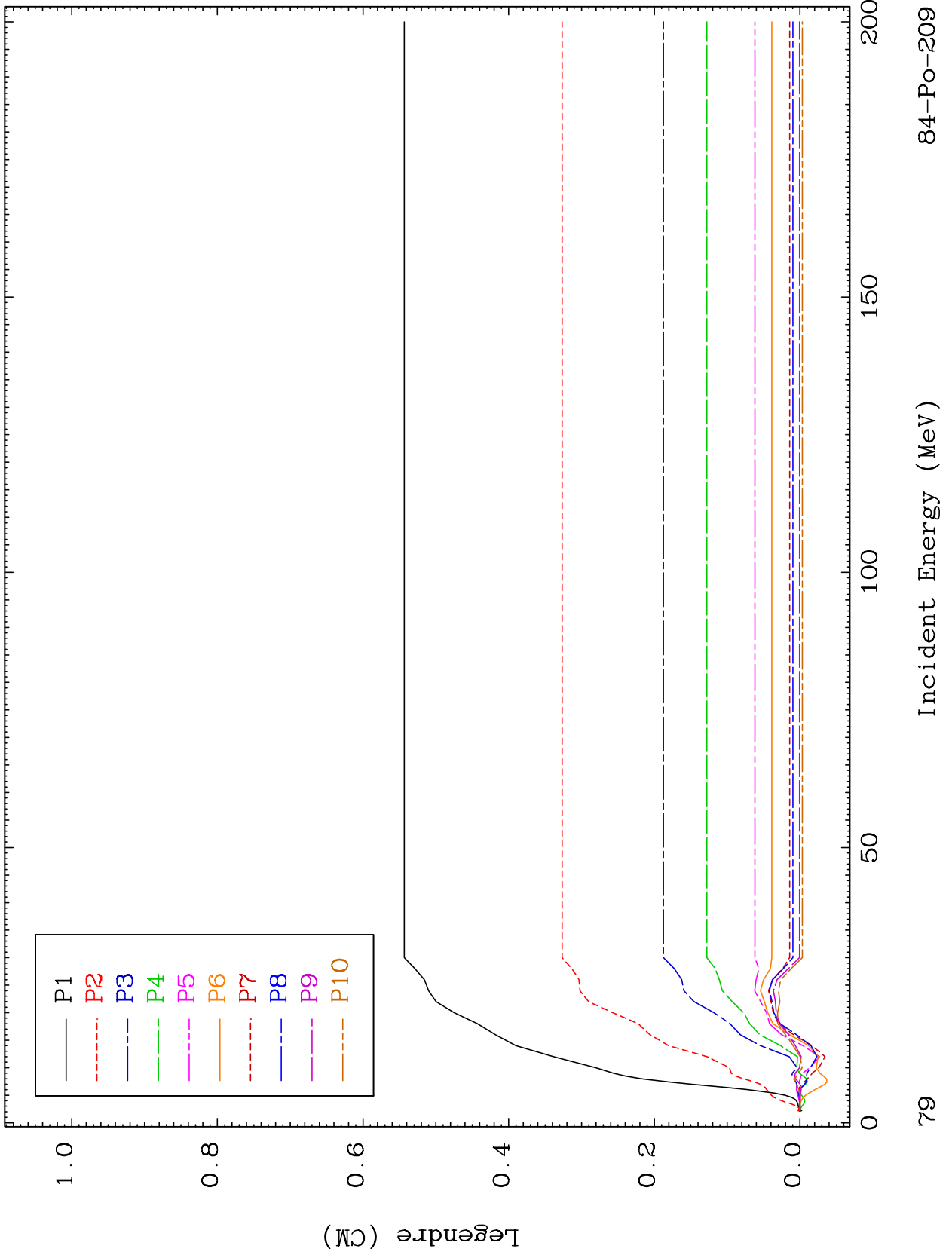
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



79

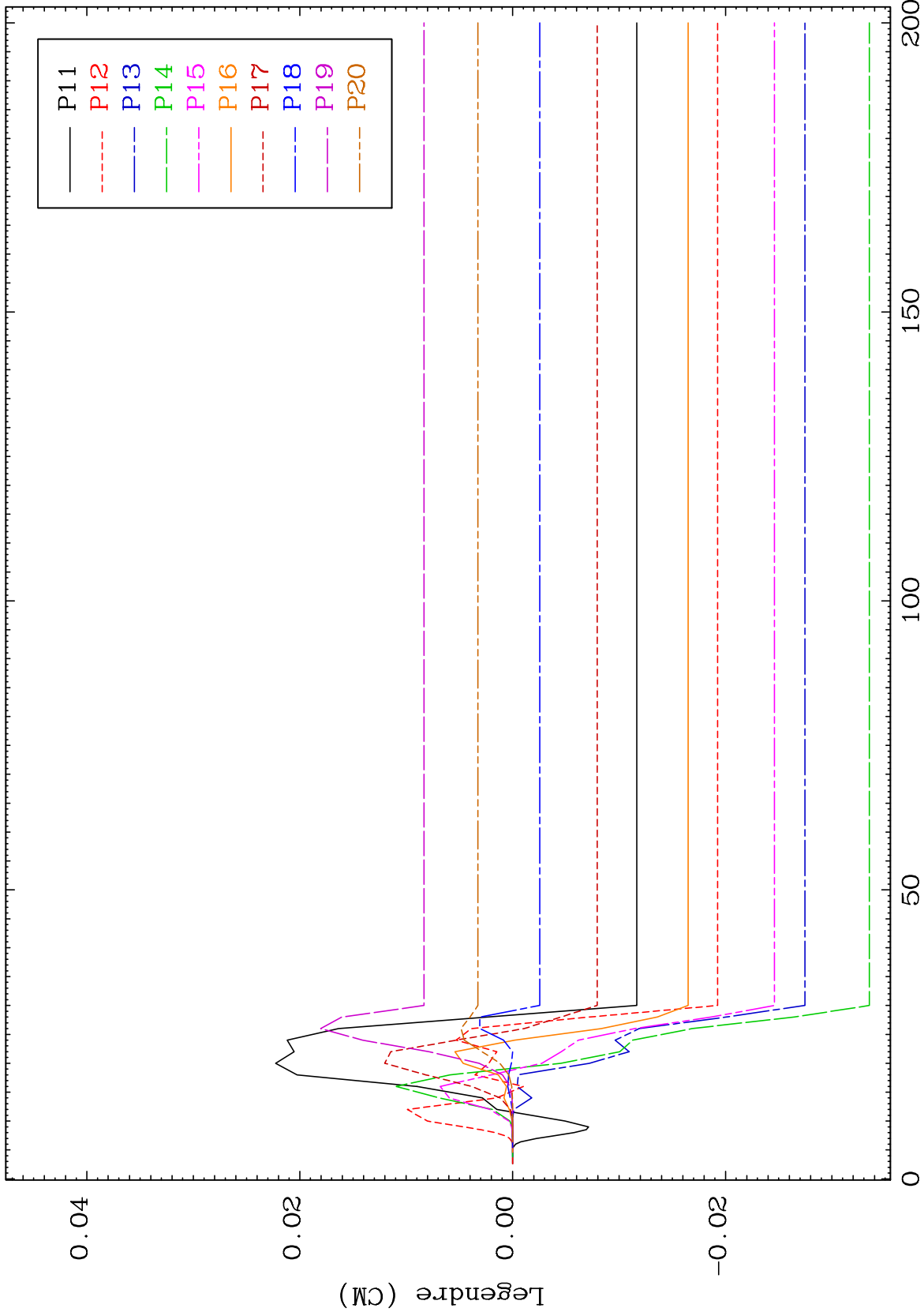
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



80

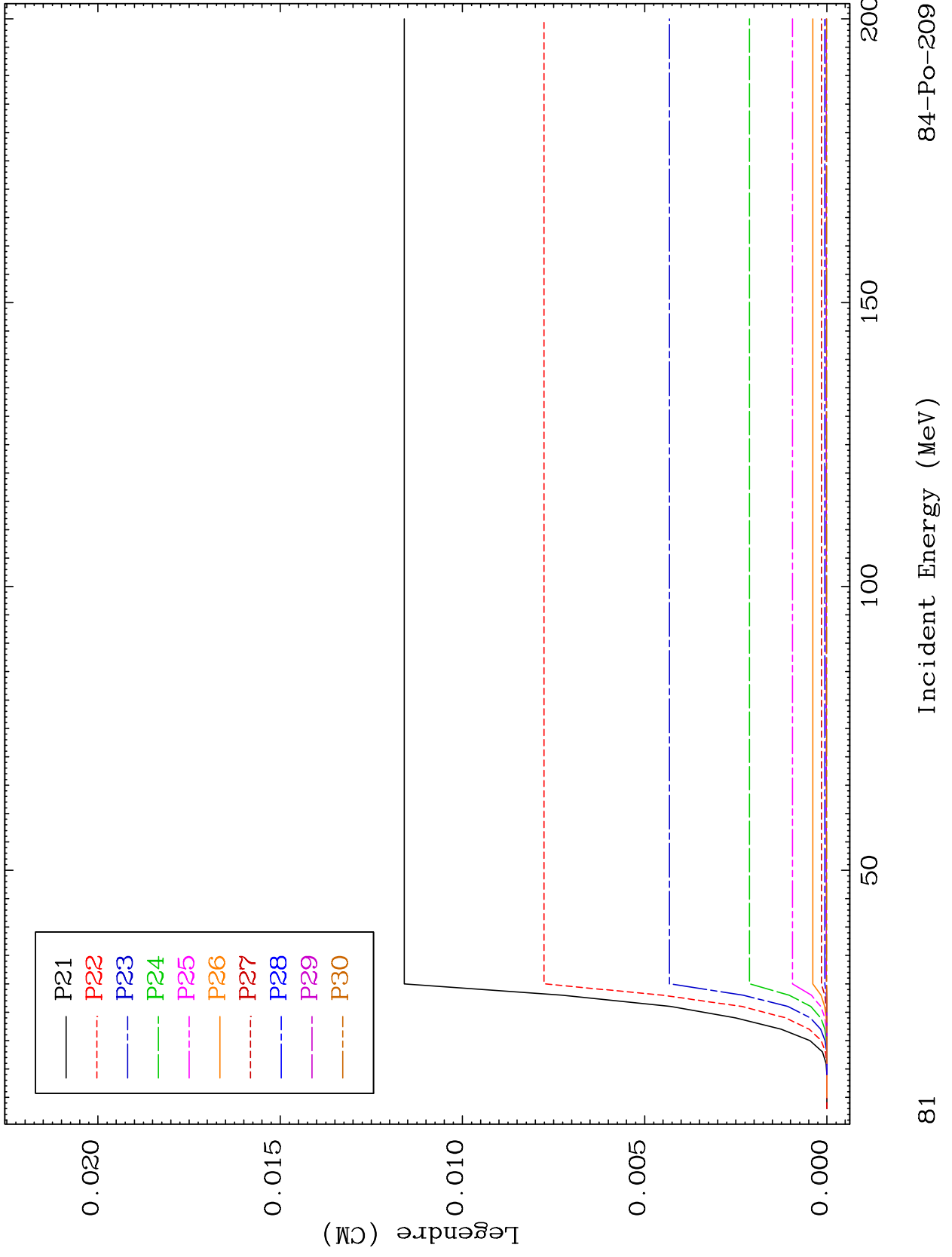
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



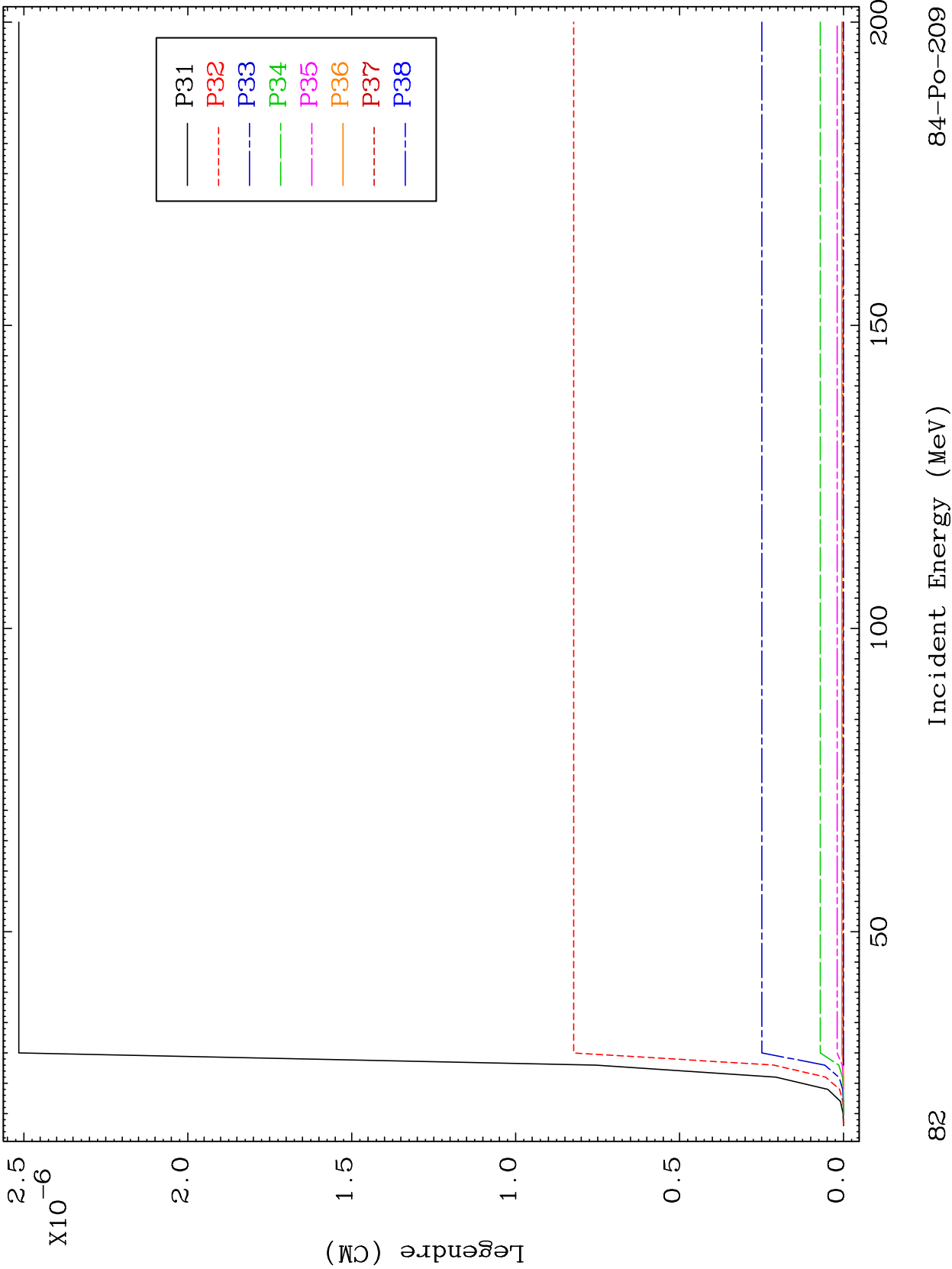
81

84-Po-209

MAT 8434

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

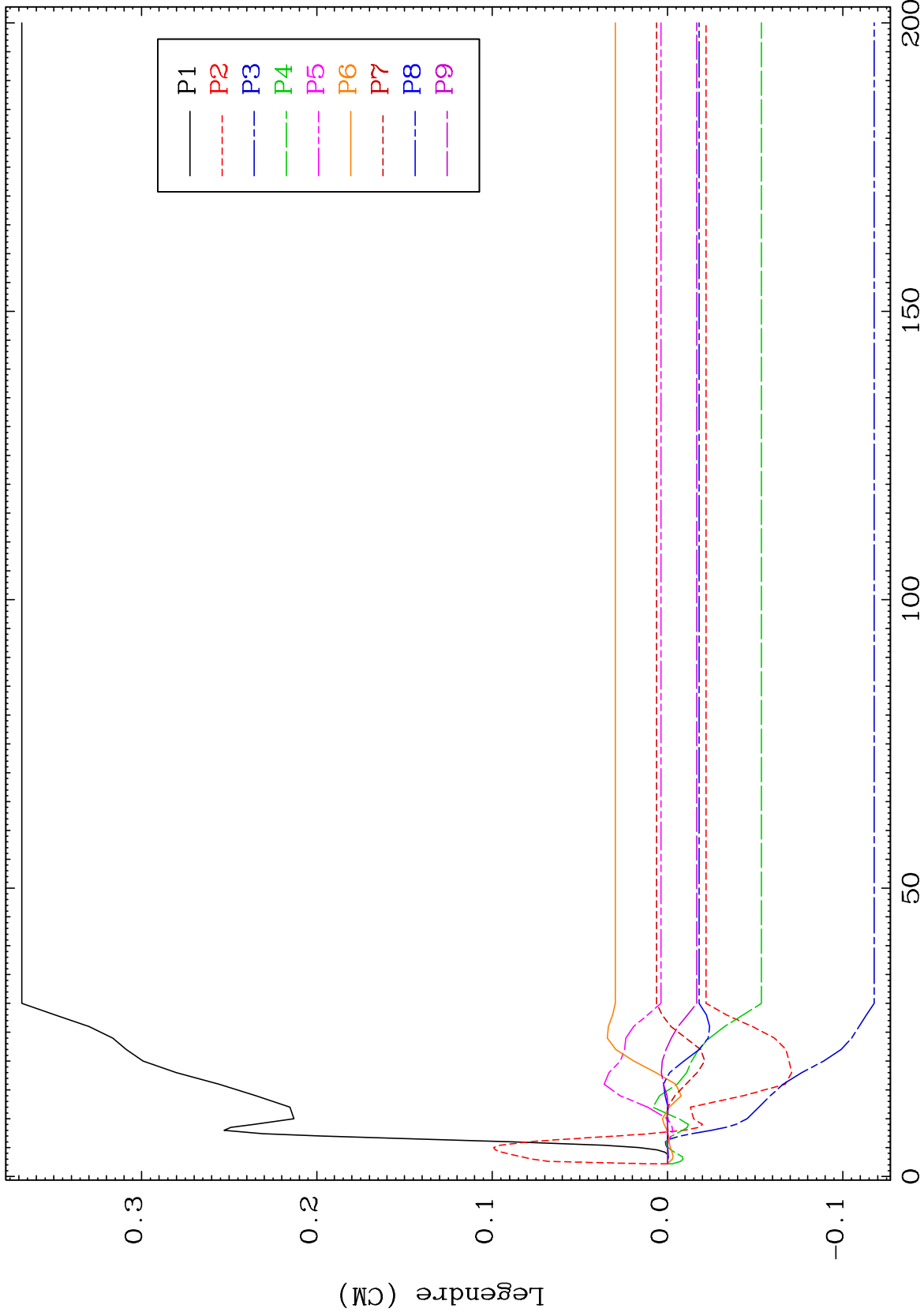
84-Po-209



82

Incident Energy (MeV)

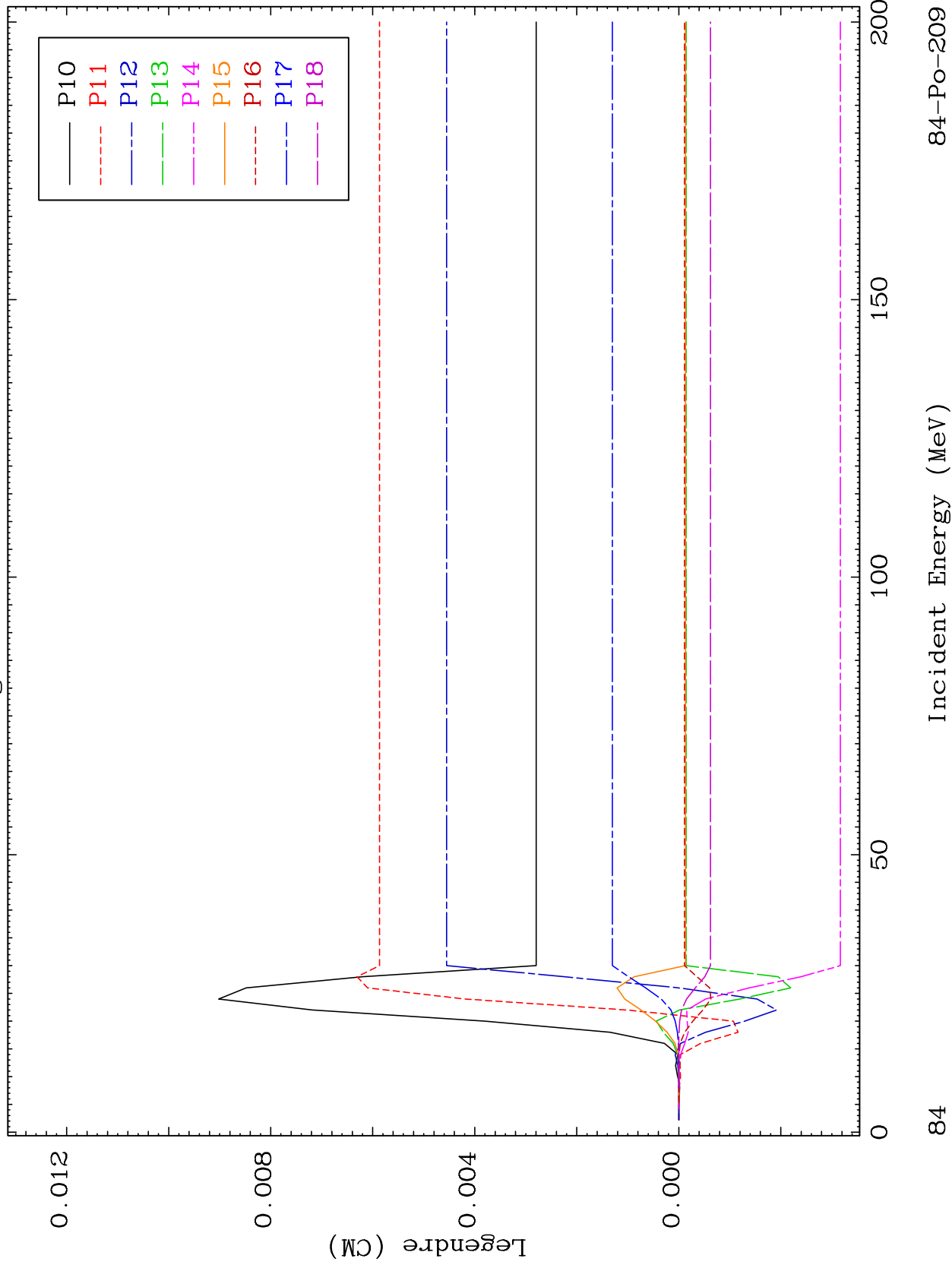
84-Po-209



MAT 8434

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

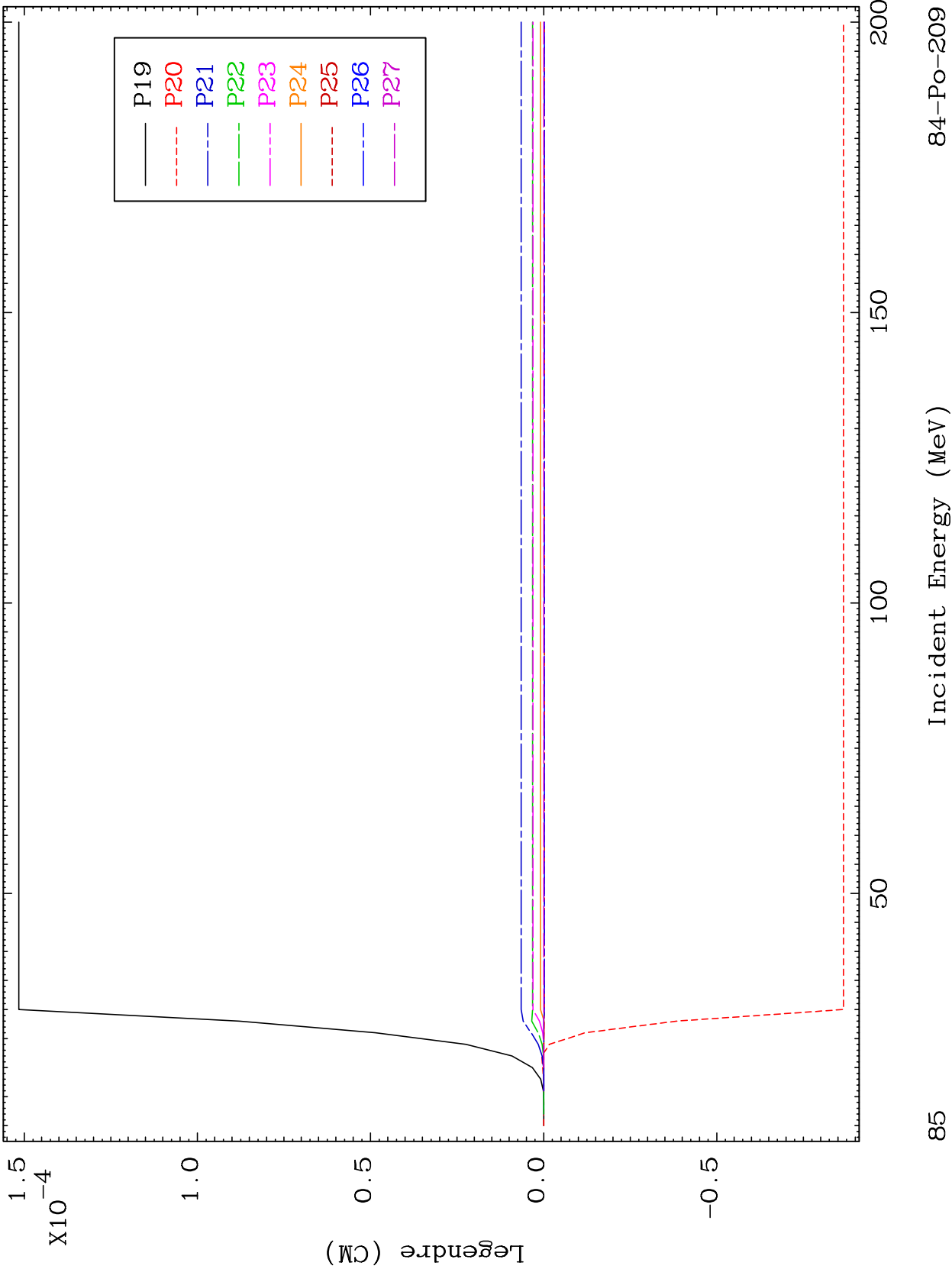
84-Po-209



84

Incident Energy (MeV)

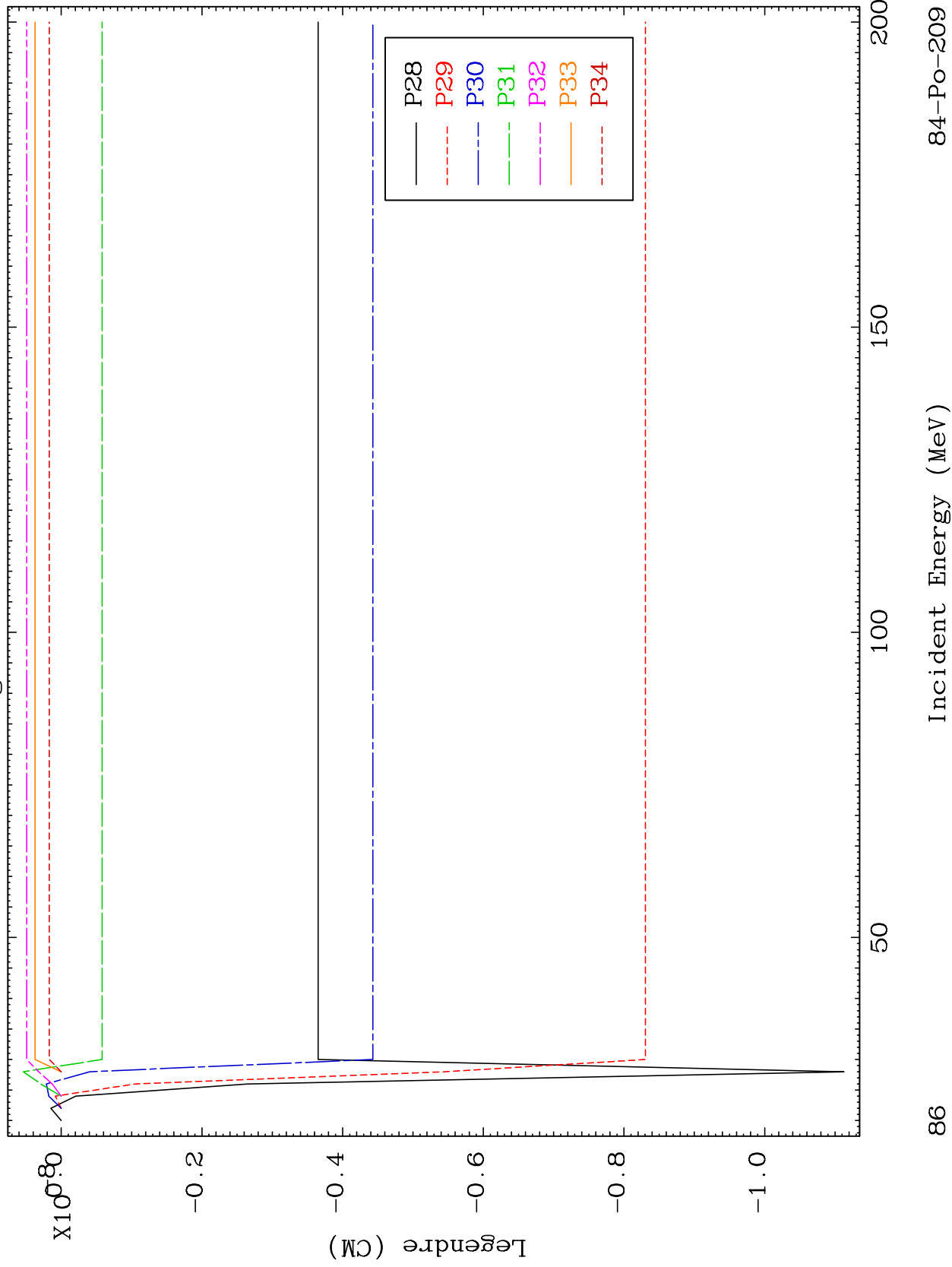
84-Po-209



MAT 8434

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

84-Po-209



86

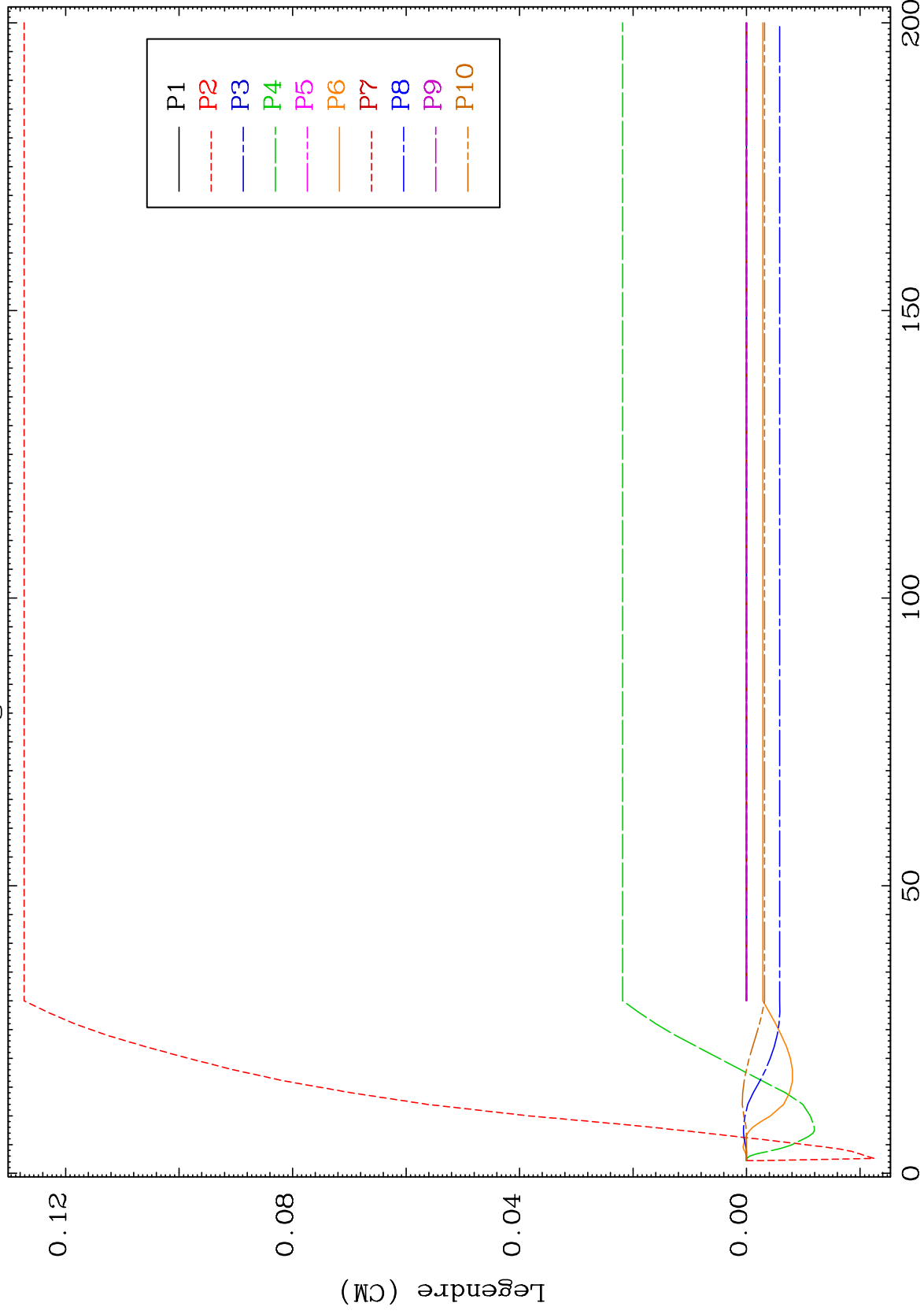
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



87

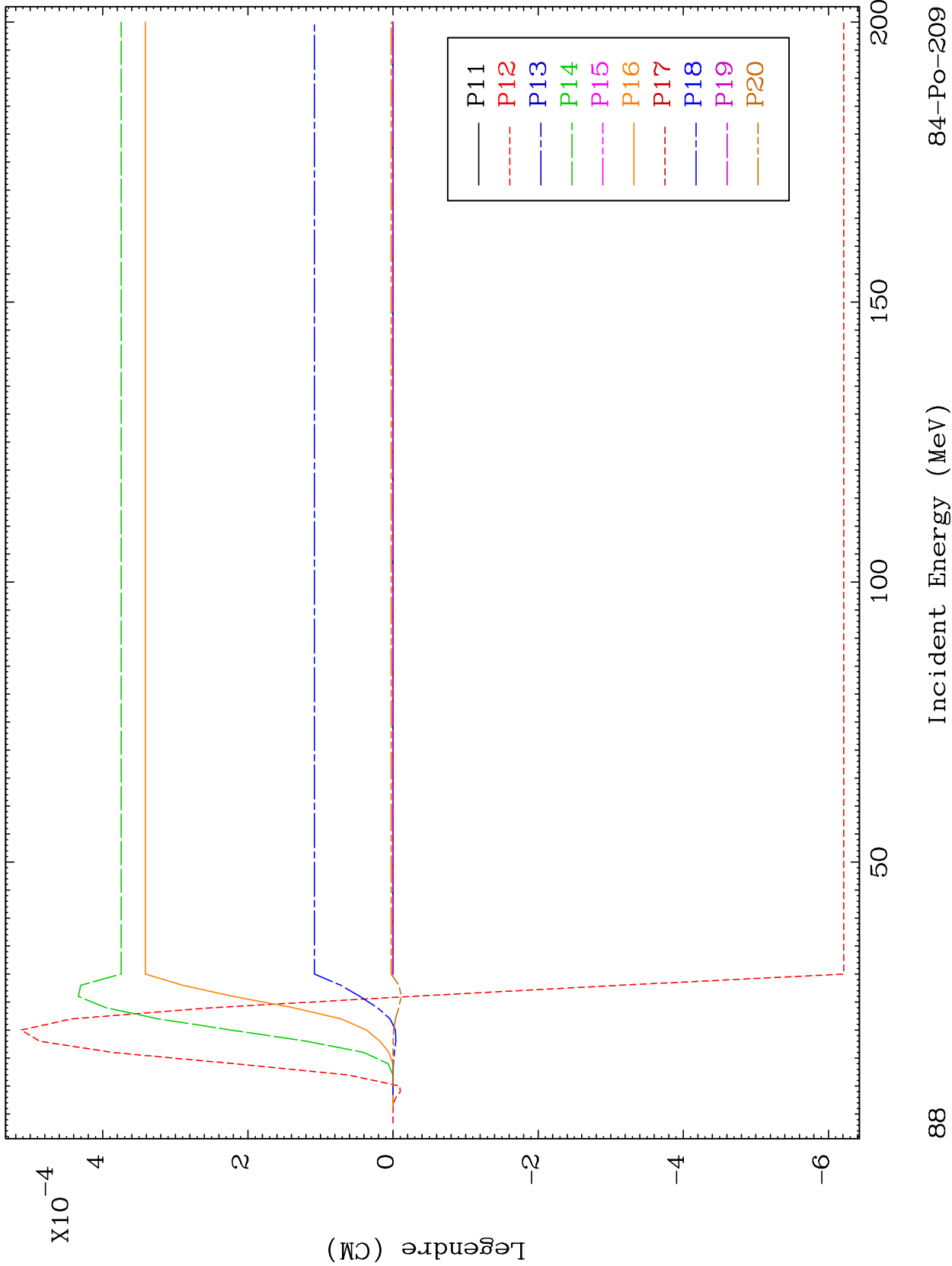
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



88

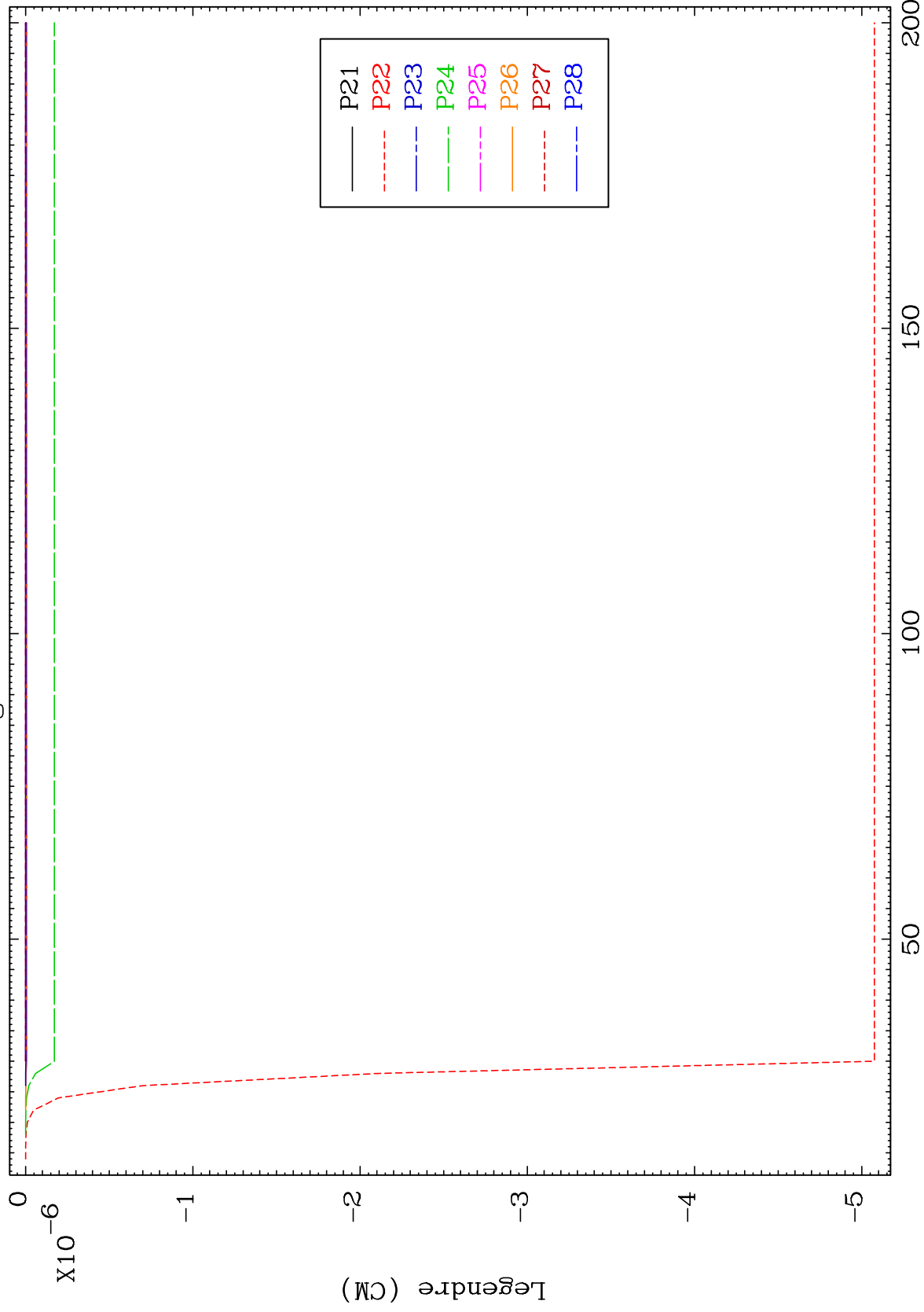
Incident Energy (MeV)

84-Po-209

MAT 8434

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

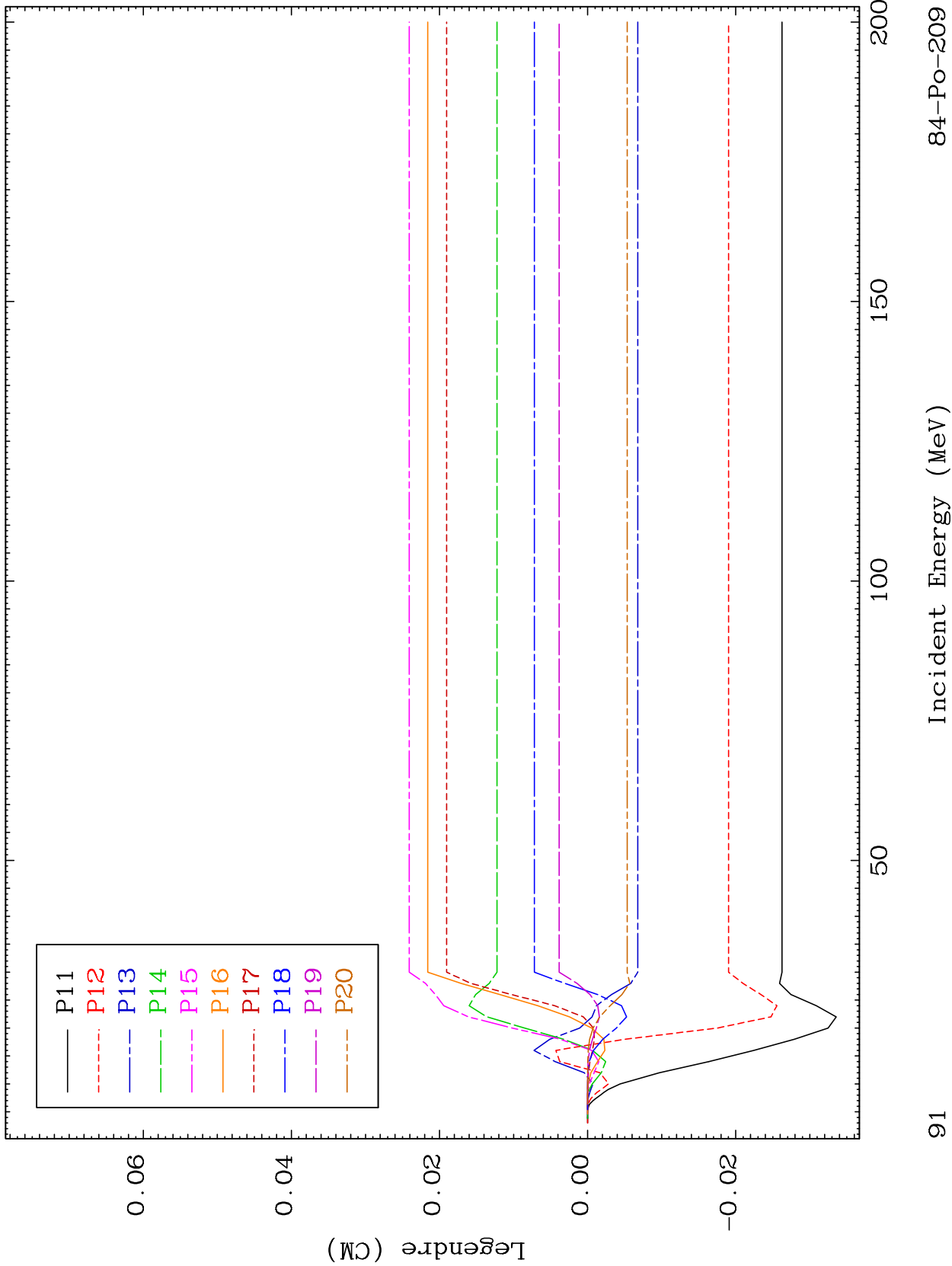
84-Po-209



89

Incident Energy (MeV)

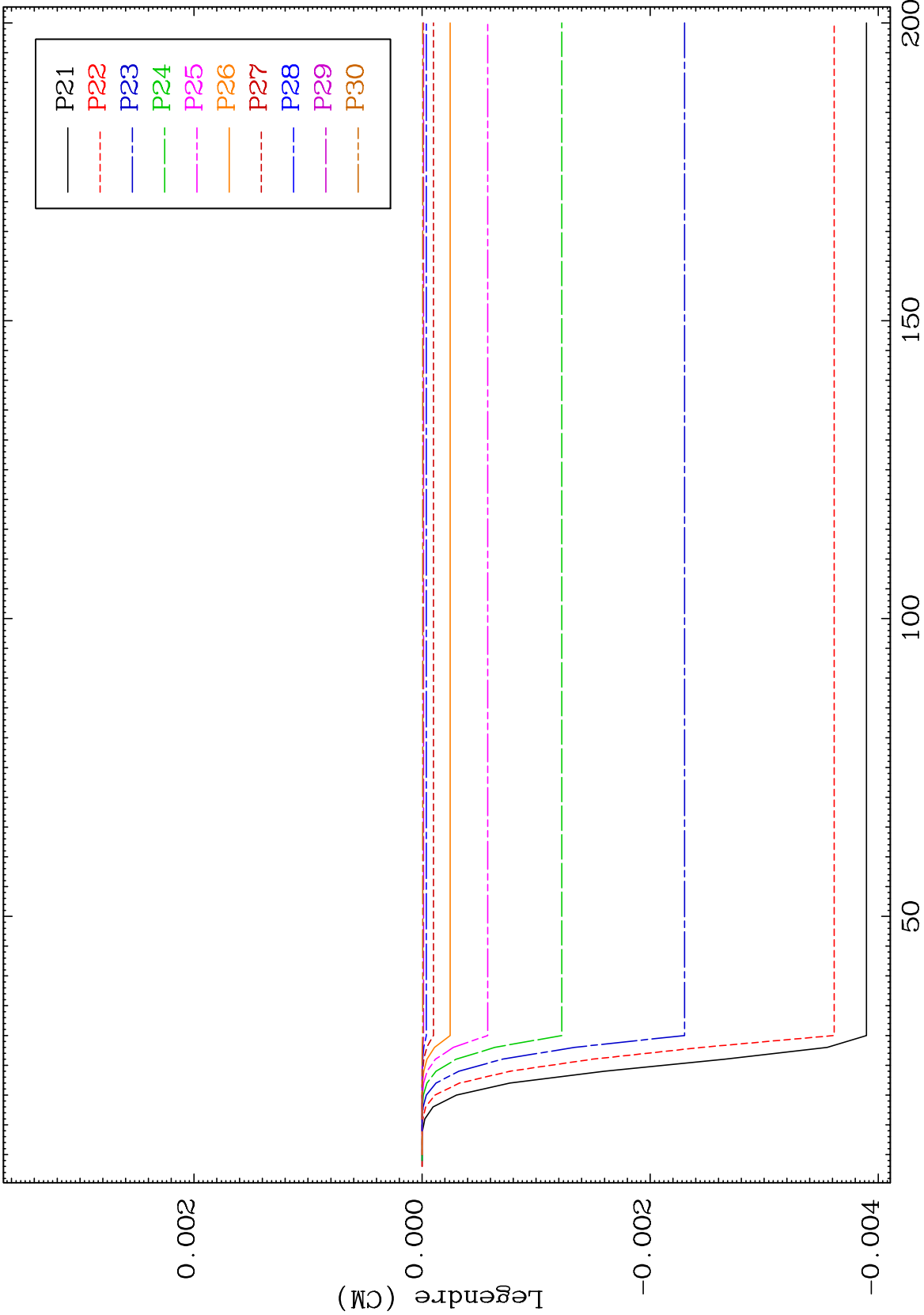
84-Po-209



MAT 8434

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

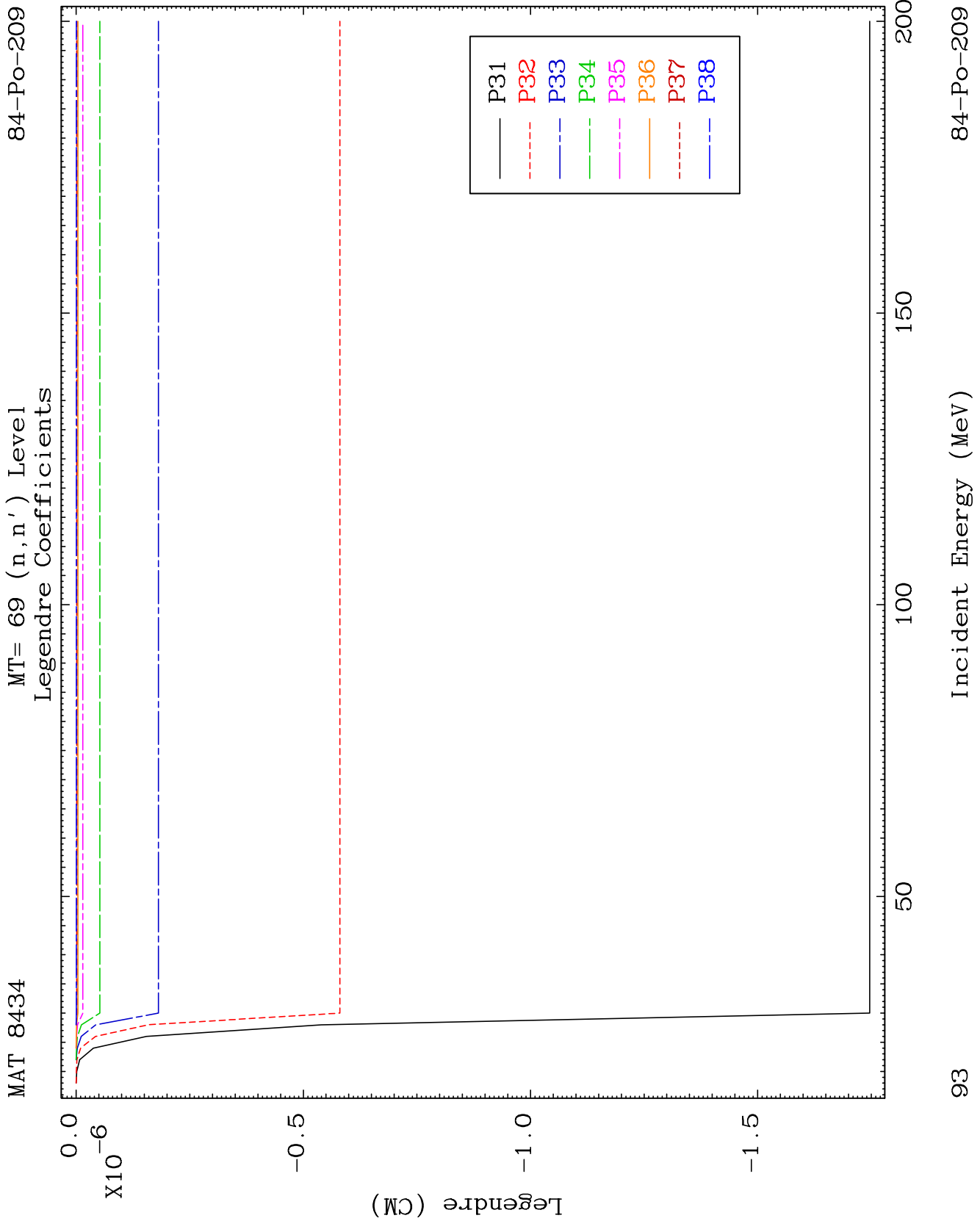
84-Po-209



92

Incident Energy (MeV)

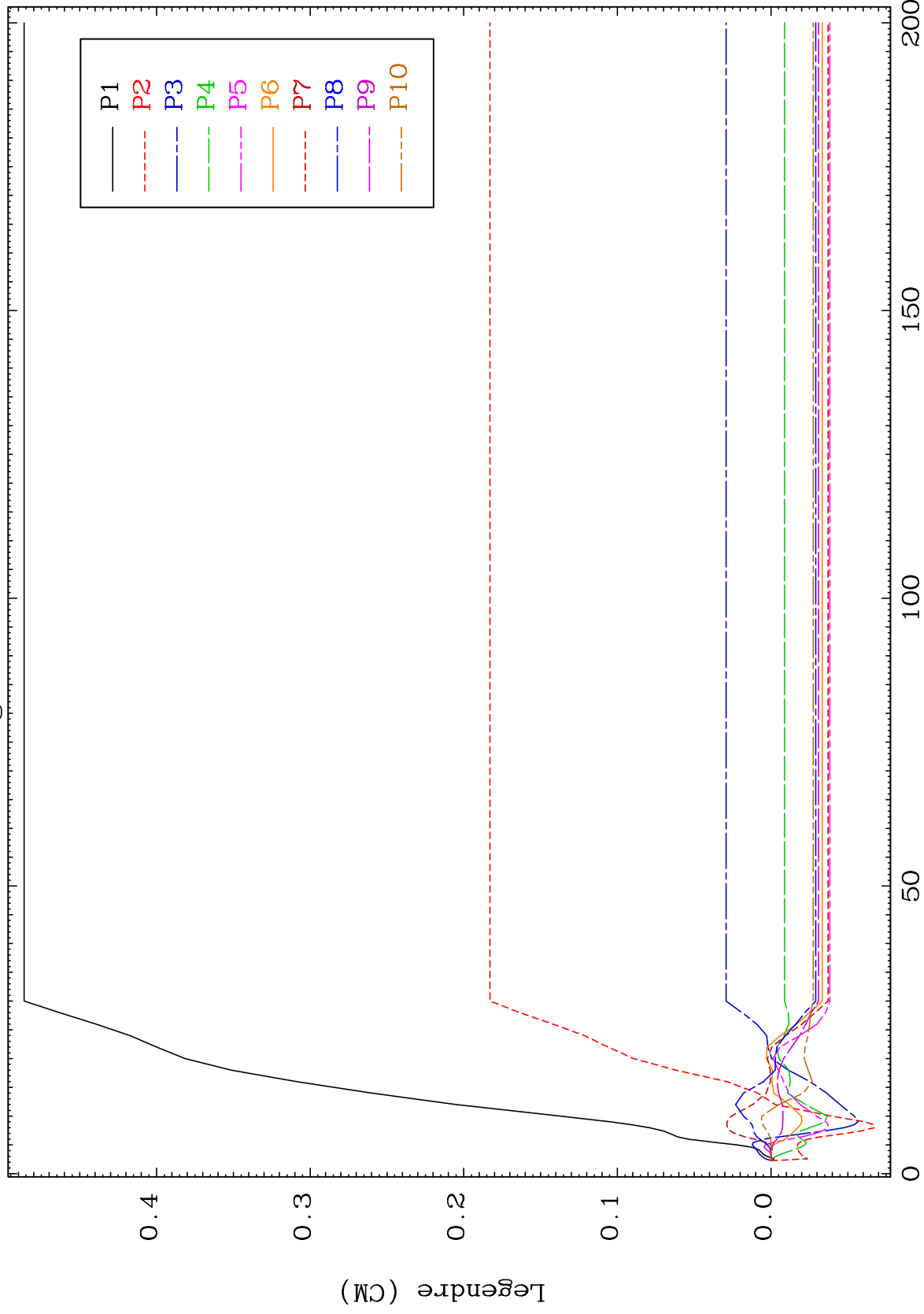
84-Po-209



MAT 8434

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

84-Po-209



94

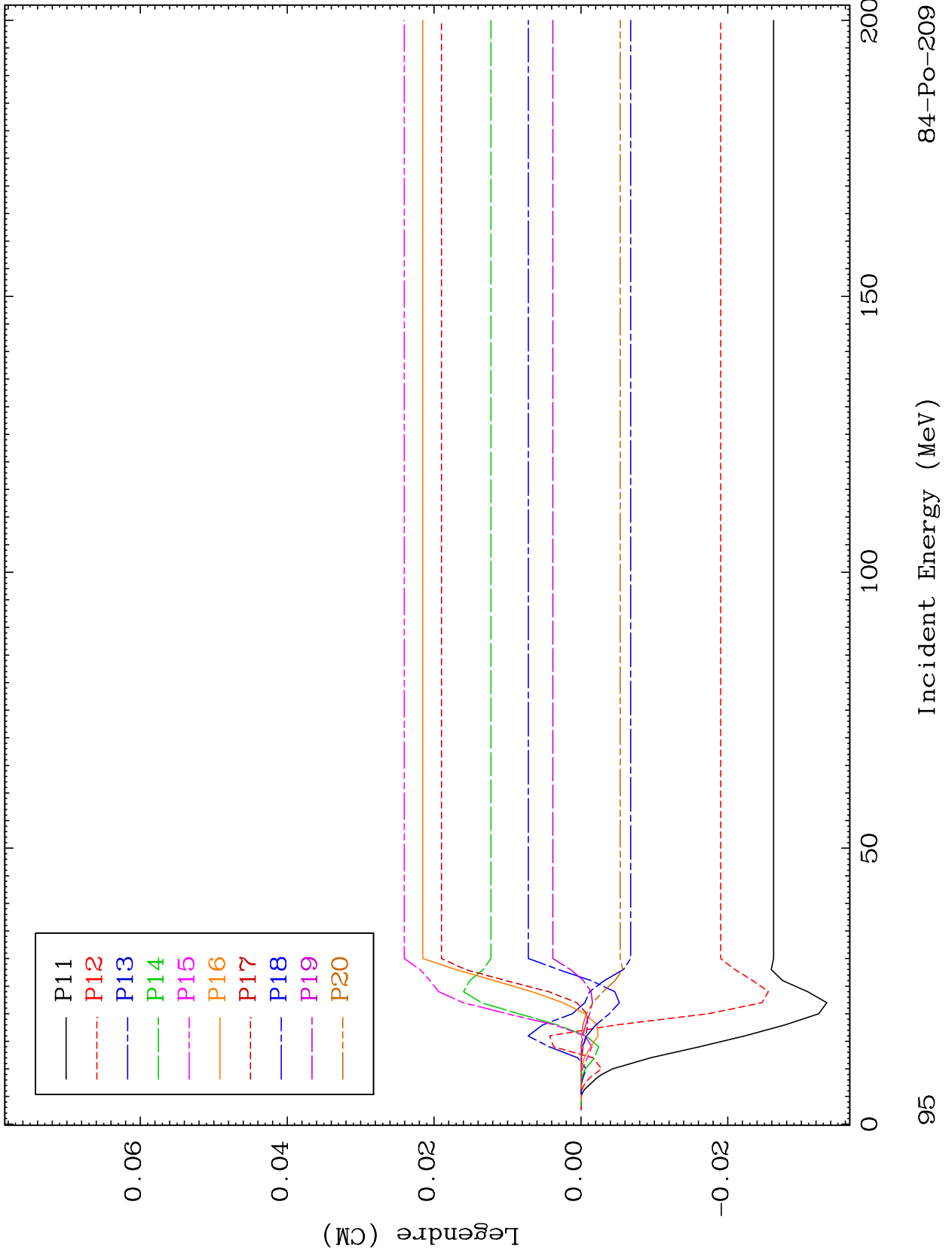
Incident Energy (MeV)

84-Po-209

MAT 8434

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

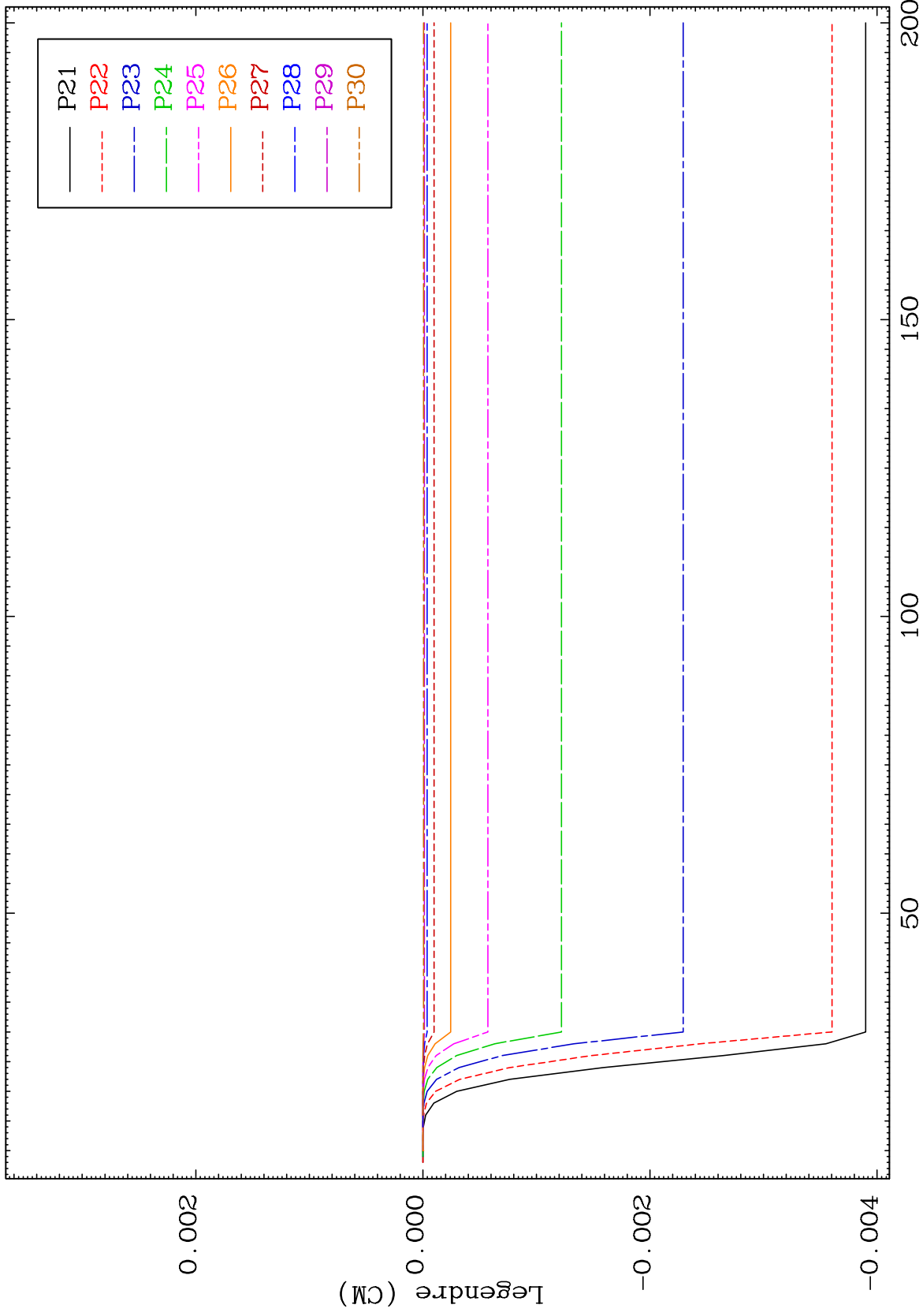
84-Po-209



95

Incident Energy (MeV)

84-Po-209

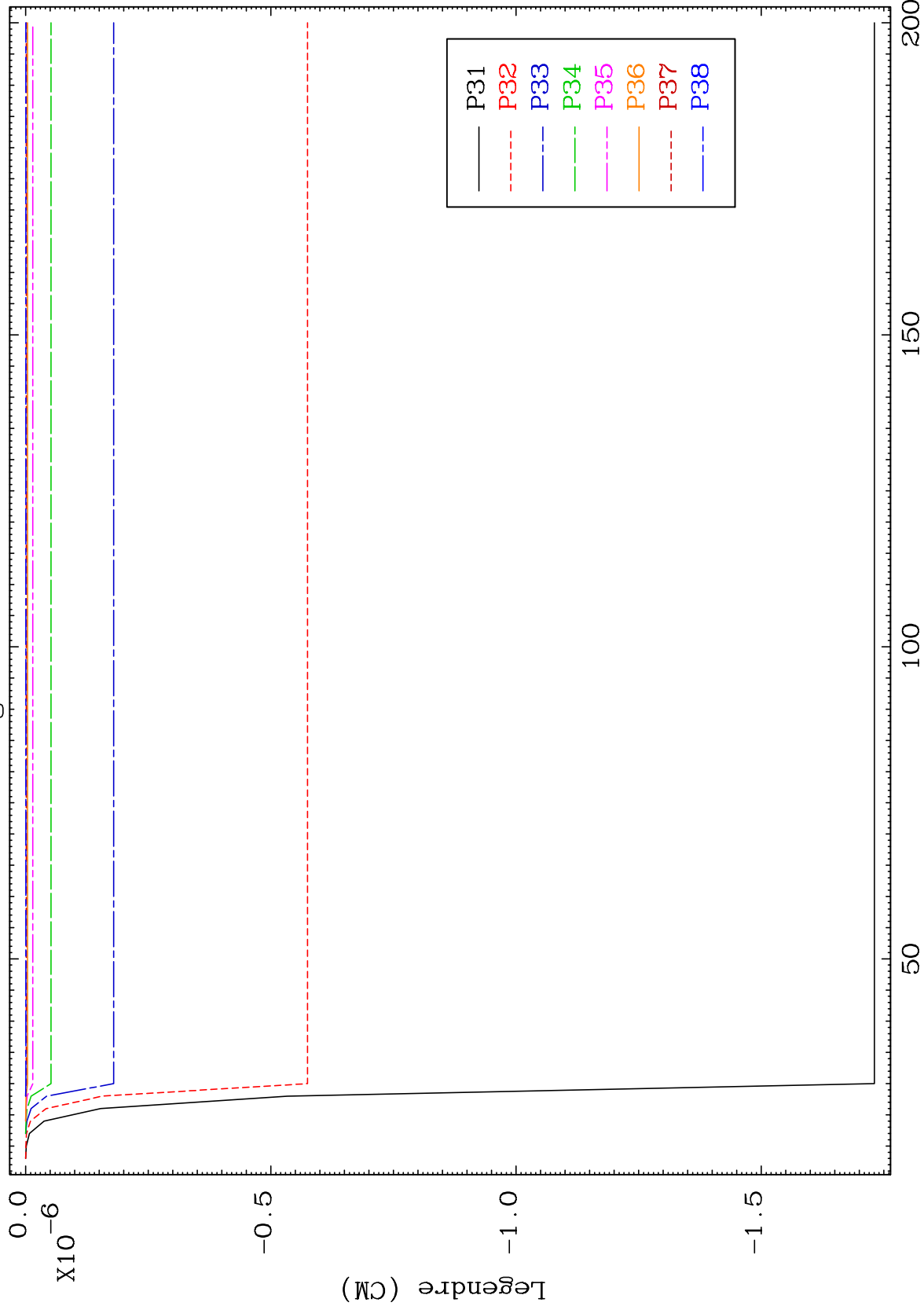


MAT 8434

MT= 70 (n,n') Level

84-Po-209

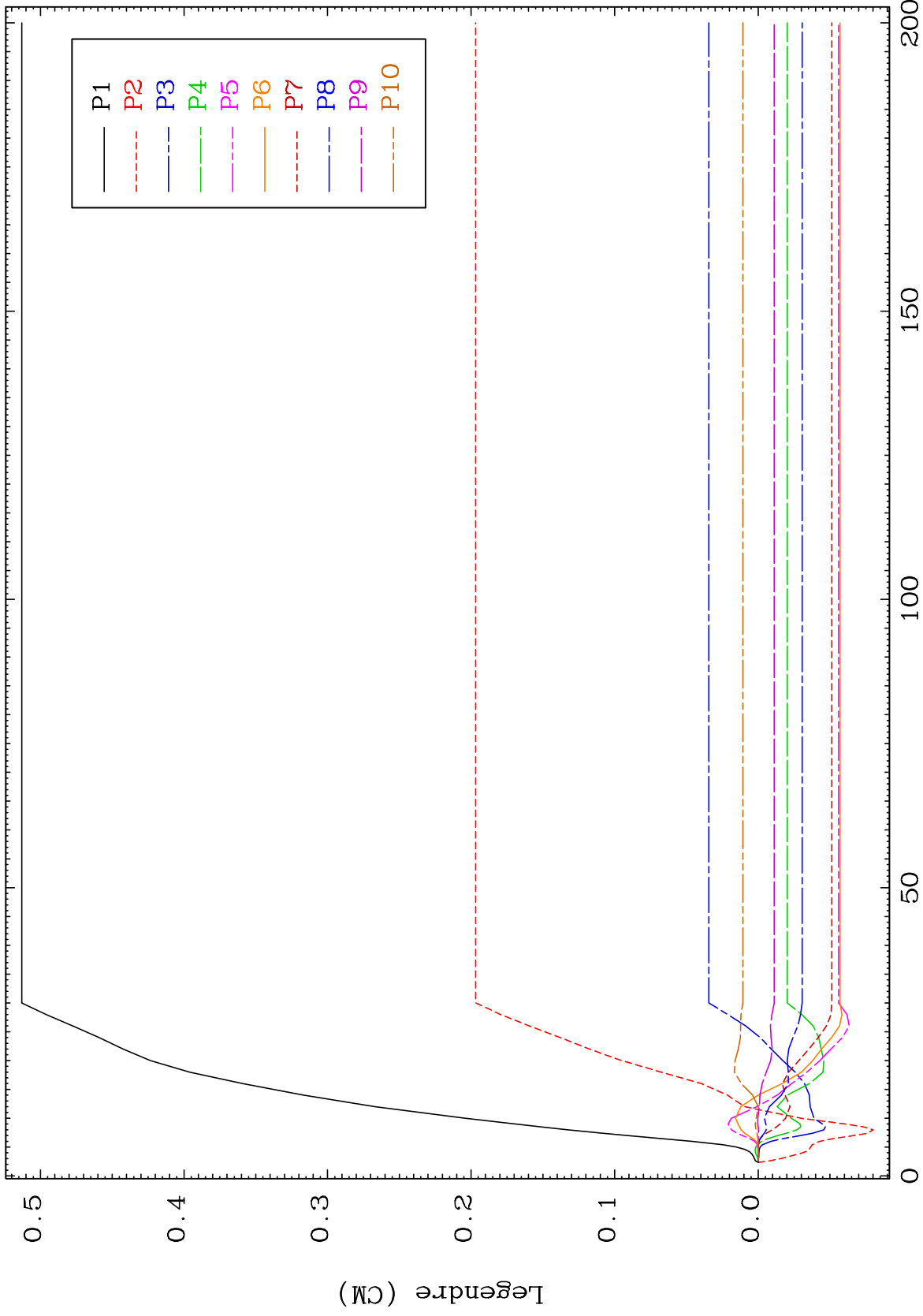
Legendre Coefficients



MAT 8434

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

84-Po-209



98

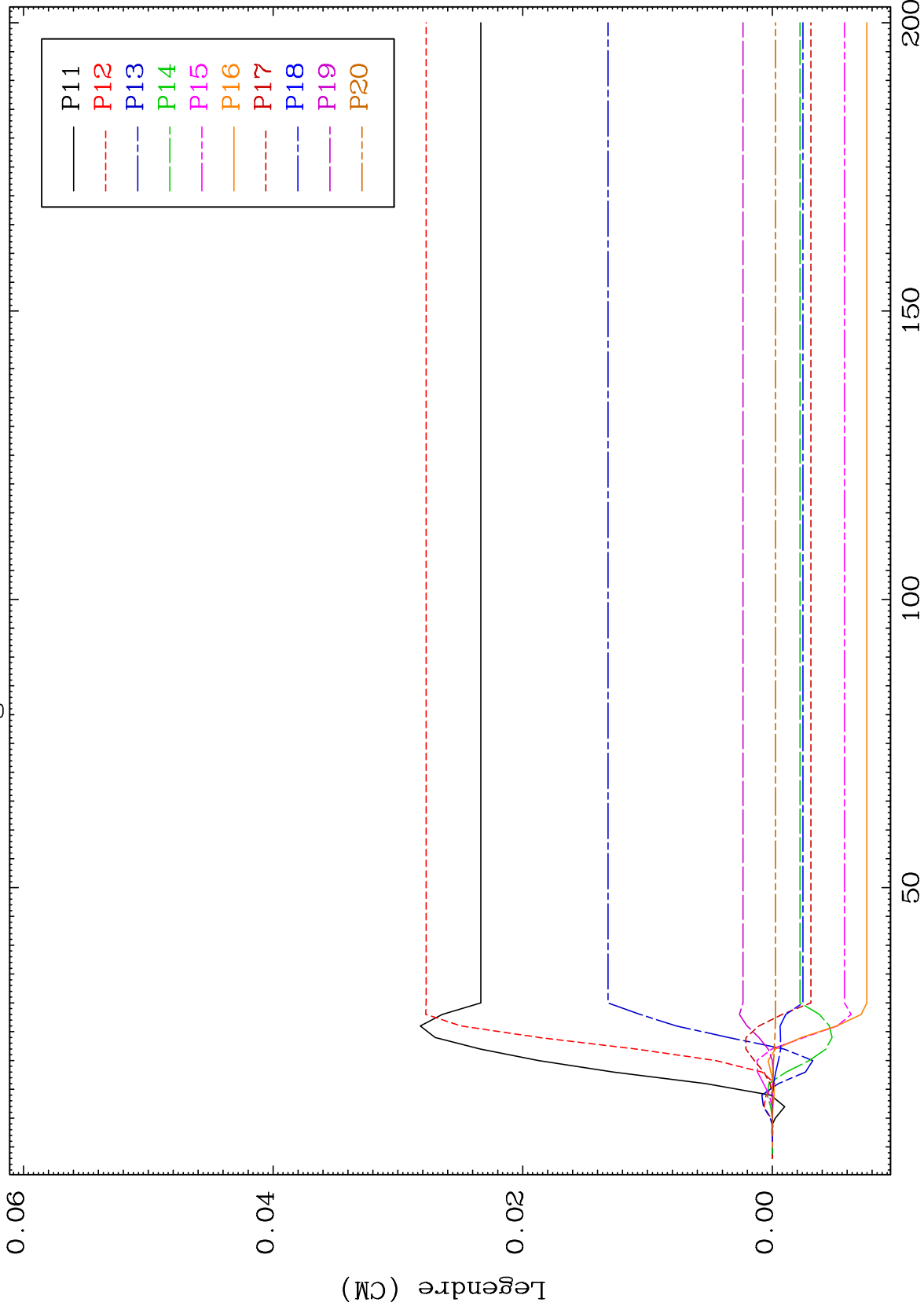
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



99

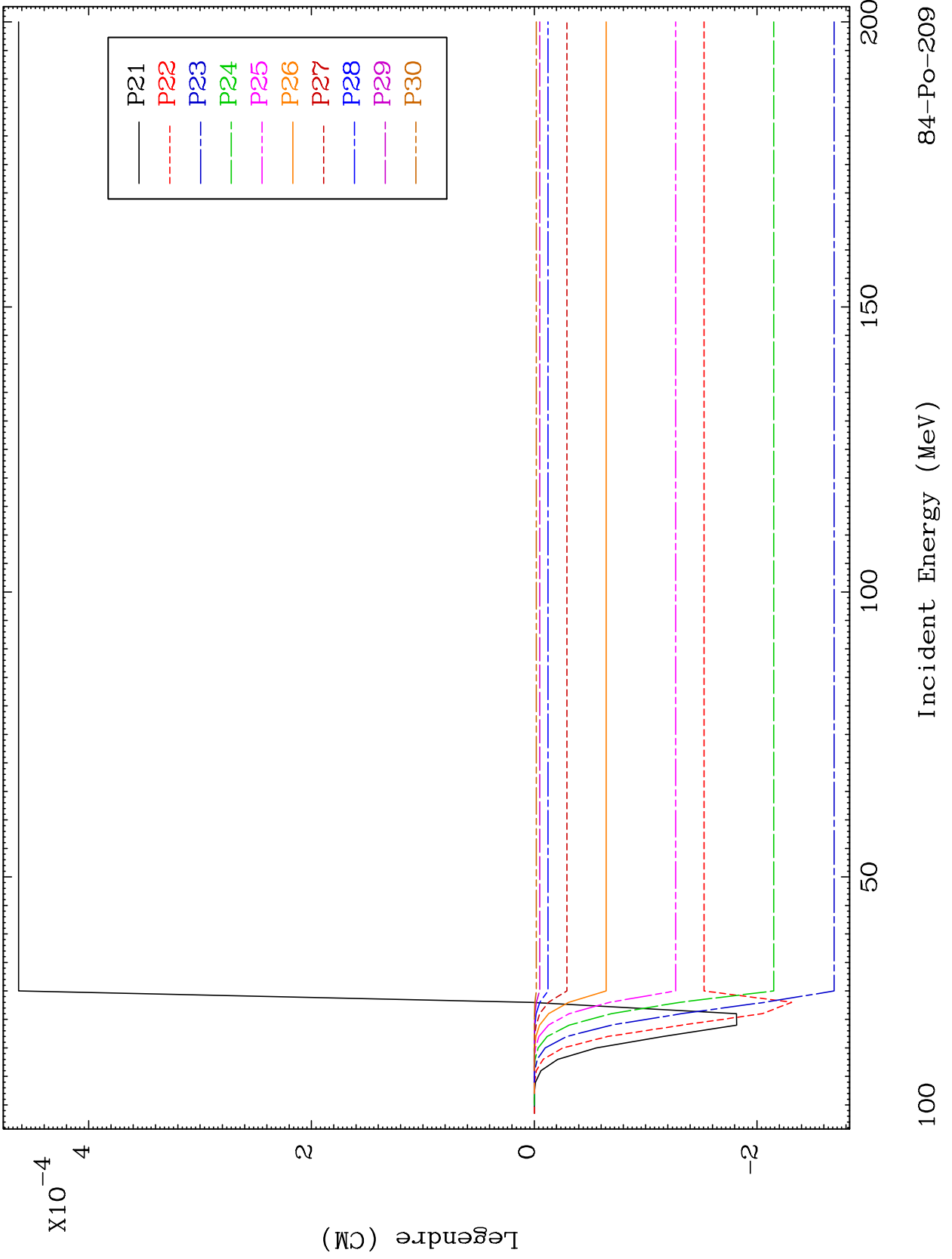
Incident Energy (MeV)

84-Po-209

MAT 8434

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

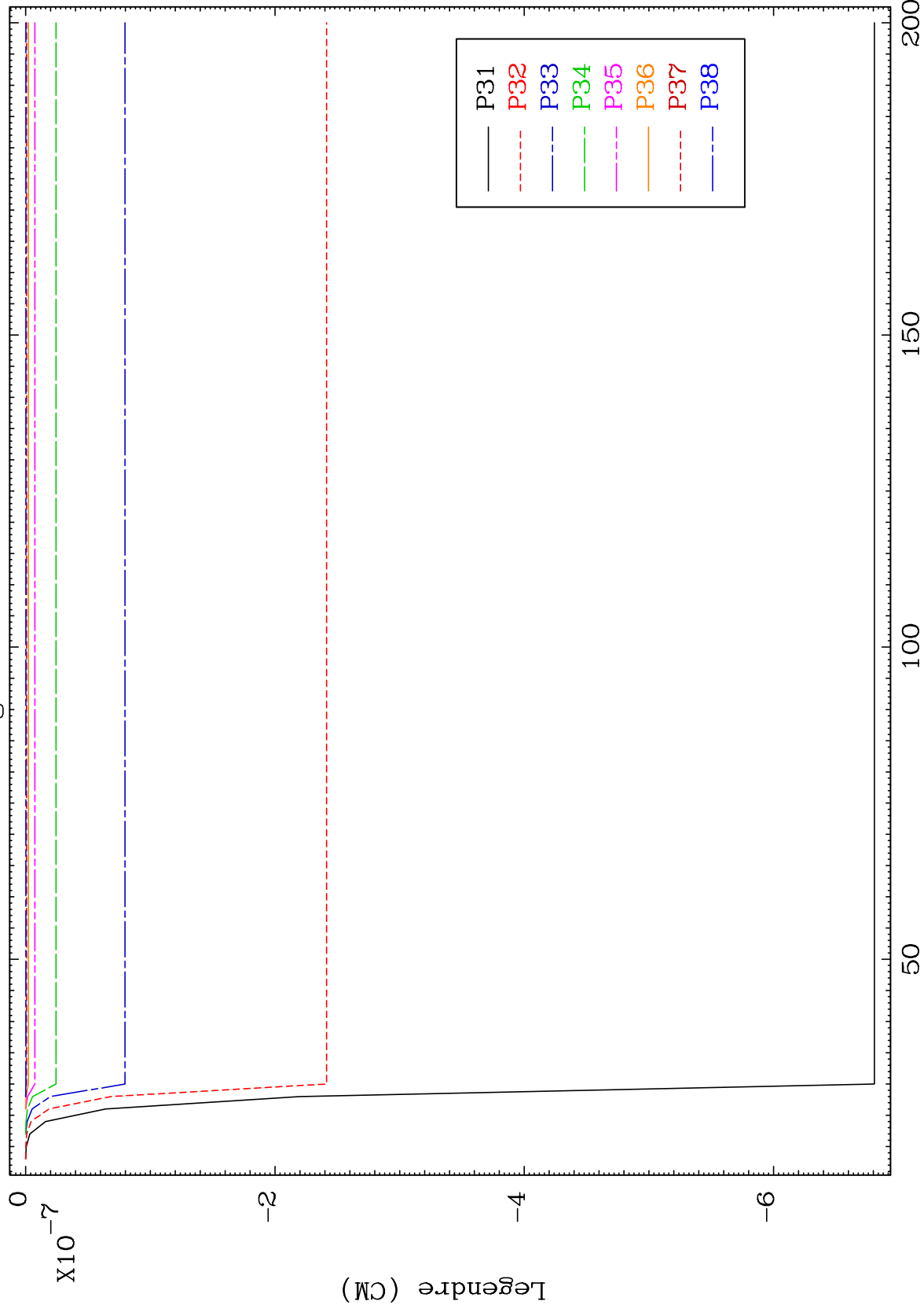
84-Po-209



MAT 8434

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

84-Po-209



101

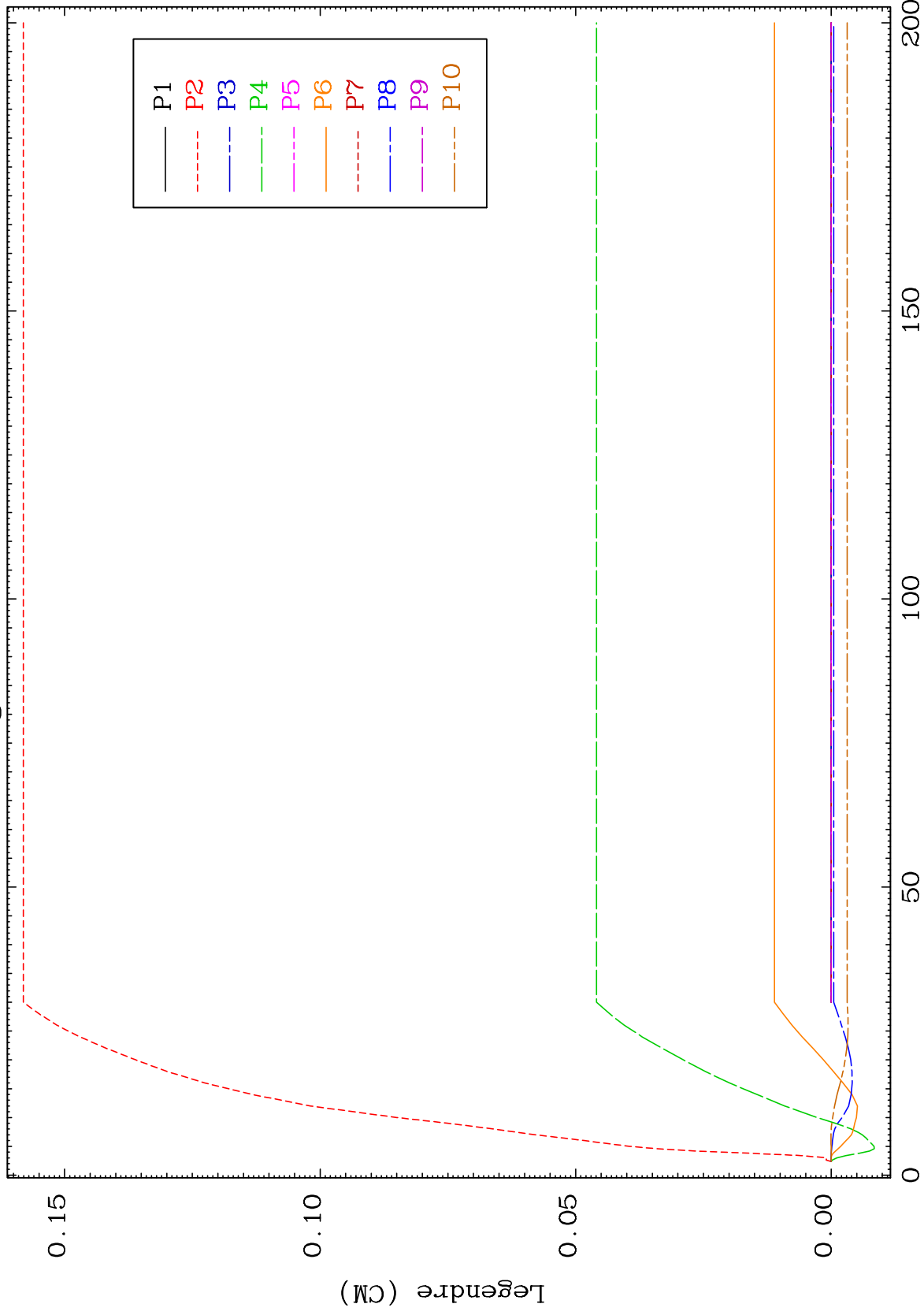
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



84-Po-209

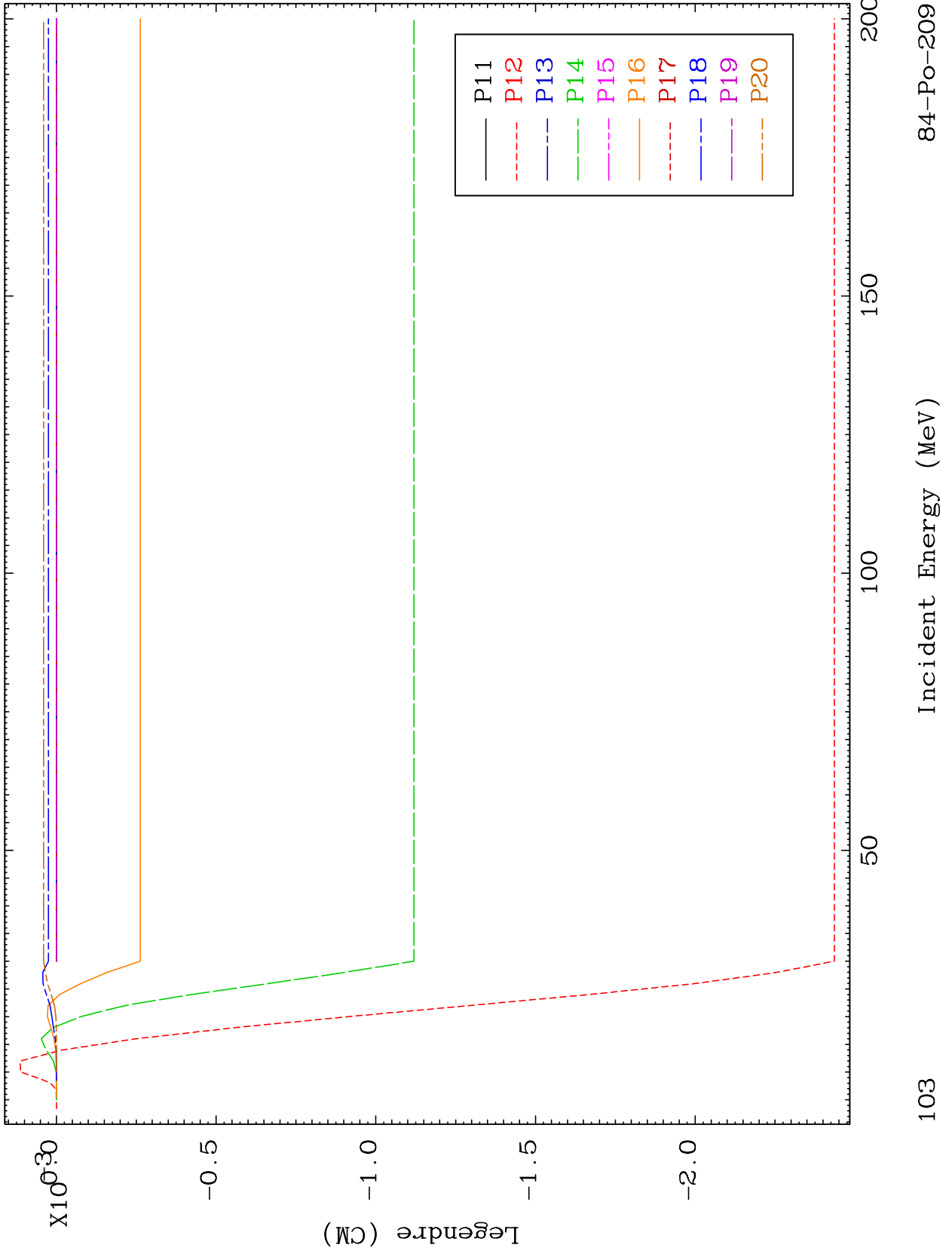
Incident Energy (MeV)

102

MAT 8434

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

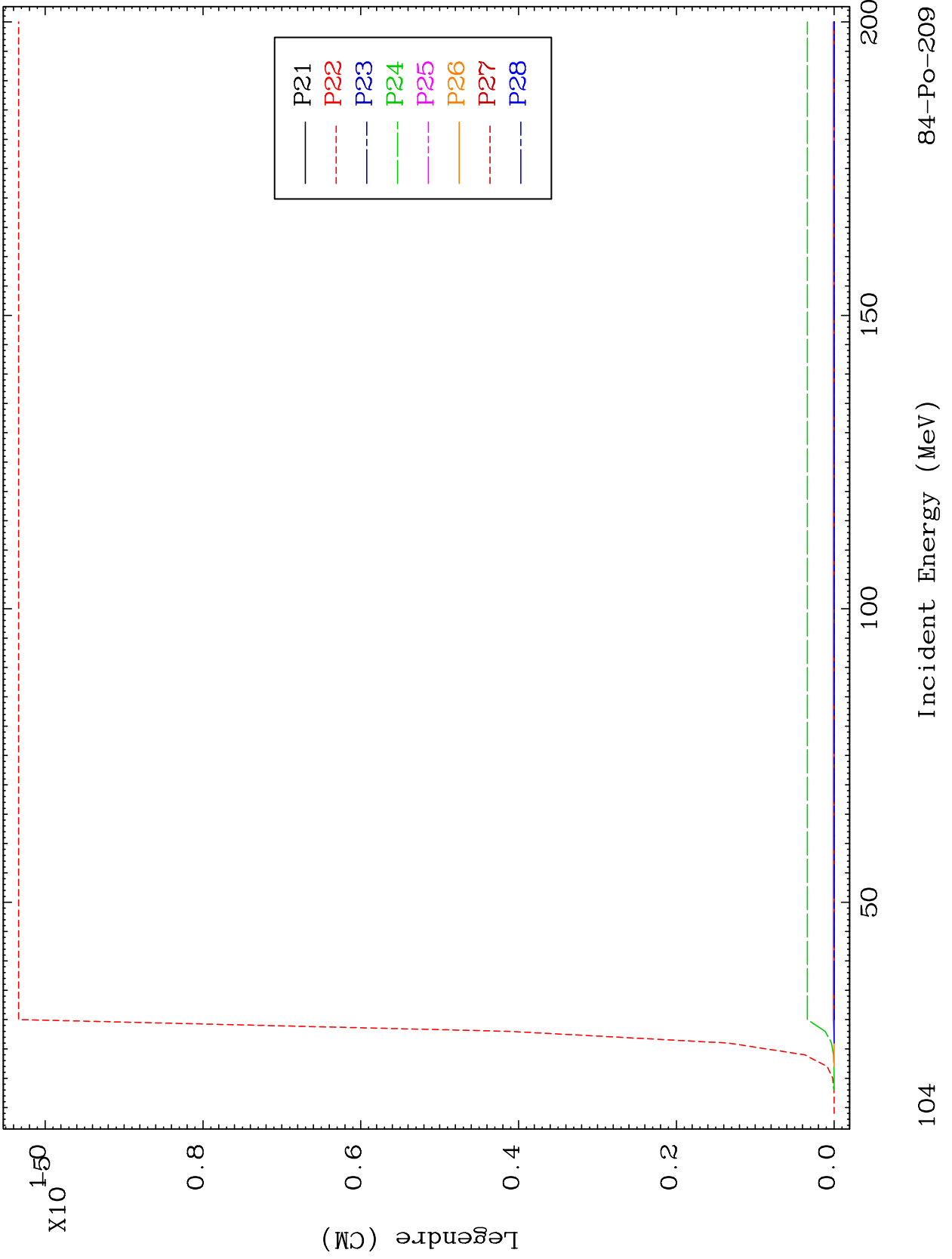
84-Po-209



MAT 8434

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

84-Po-209



104

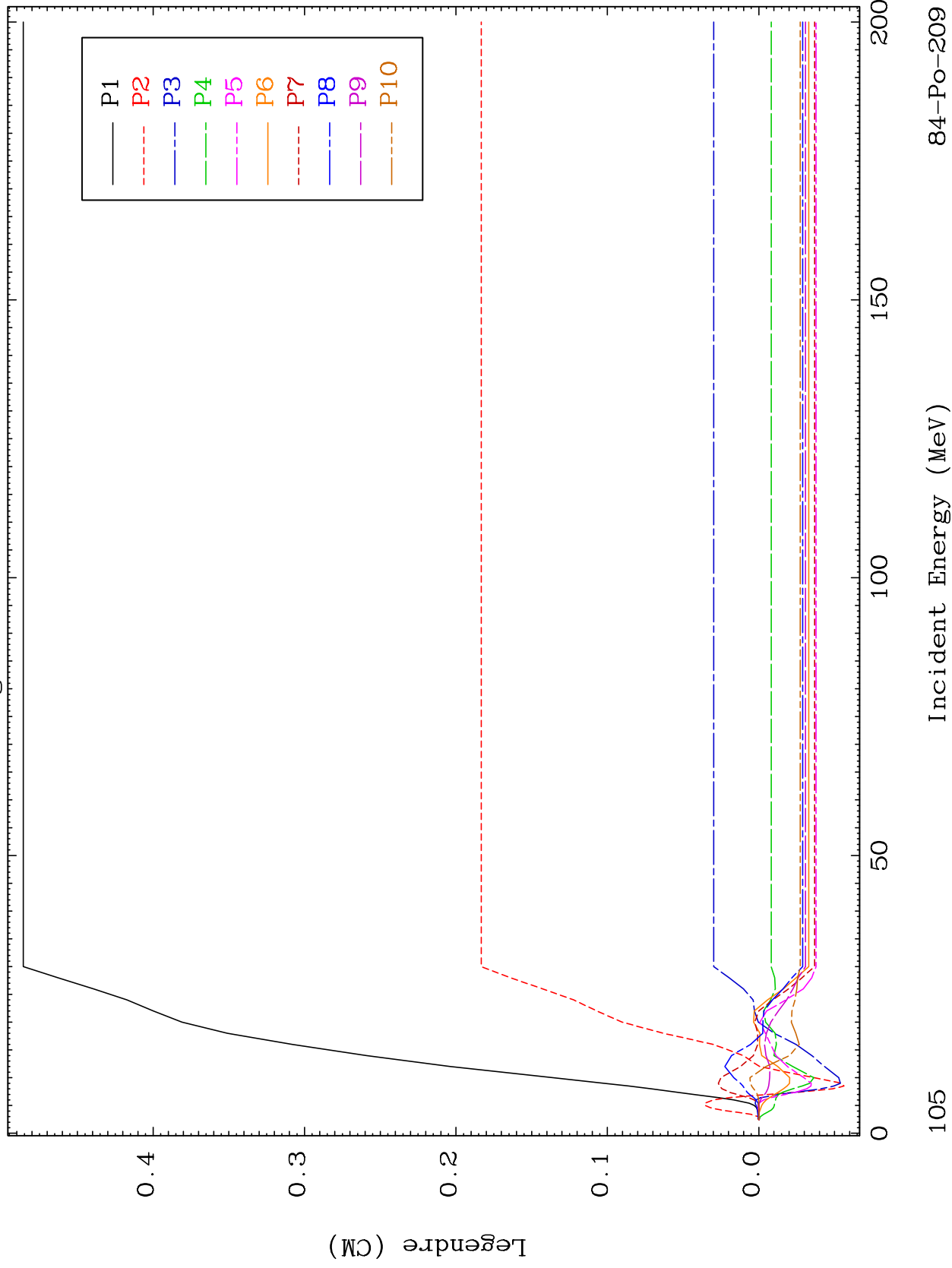
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



84-Po-209

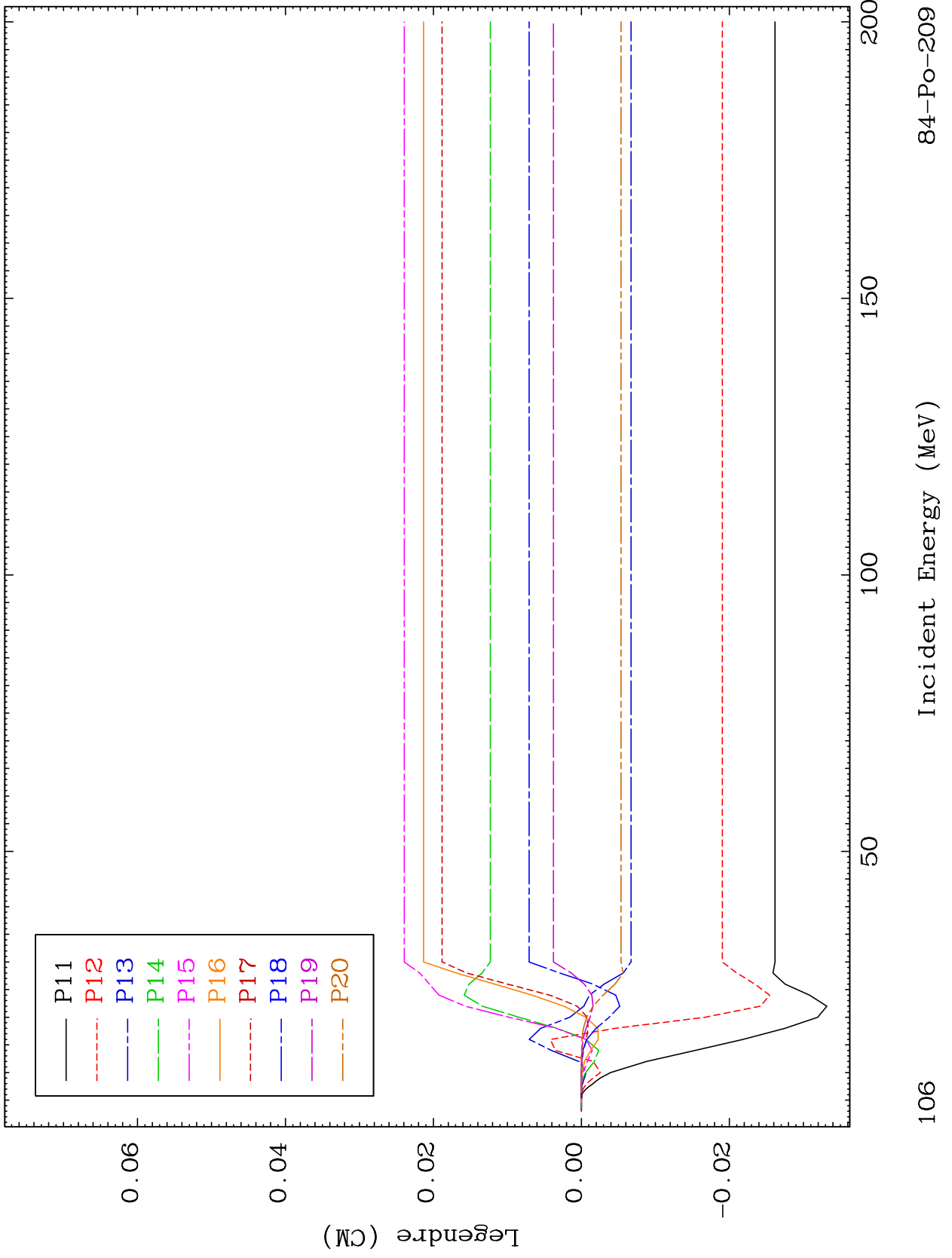
Incident Energy (MeV)

105

MAT 8434

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

84-Po-209



106

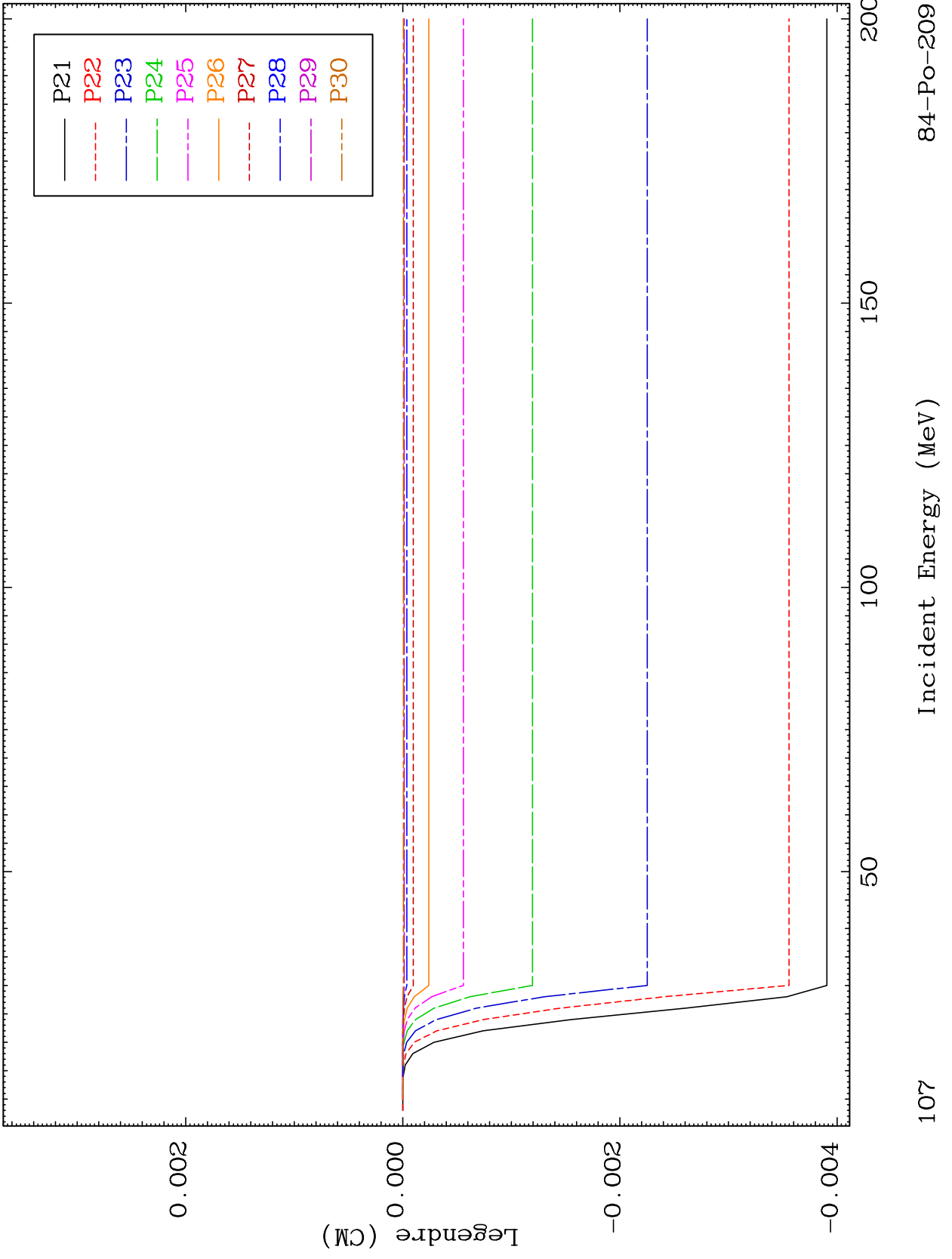
Incident Energy (MeV)

84-Po-209

MAT 8434

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

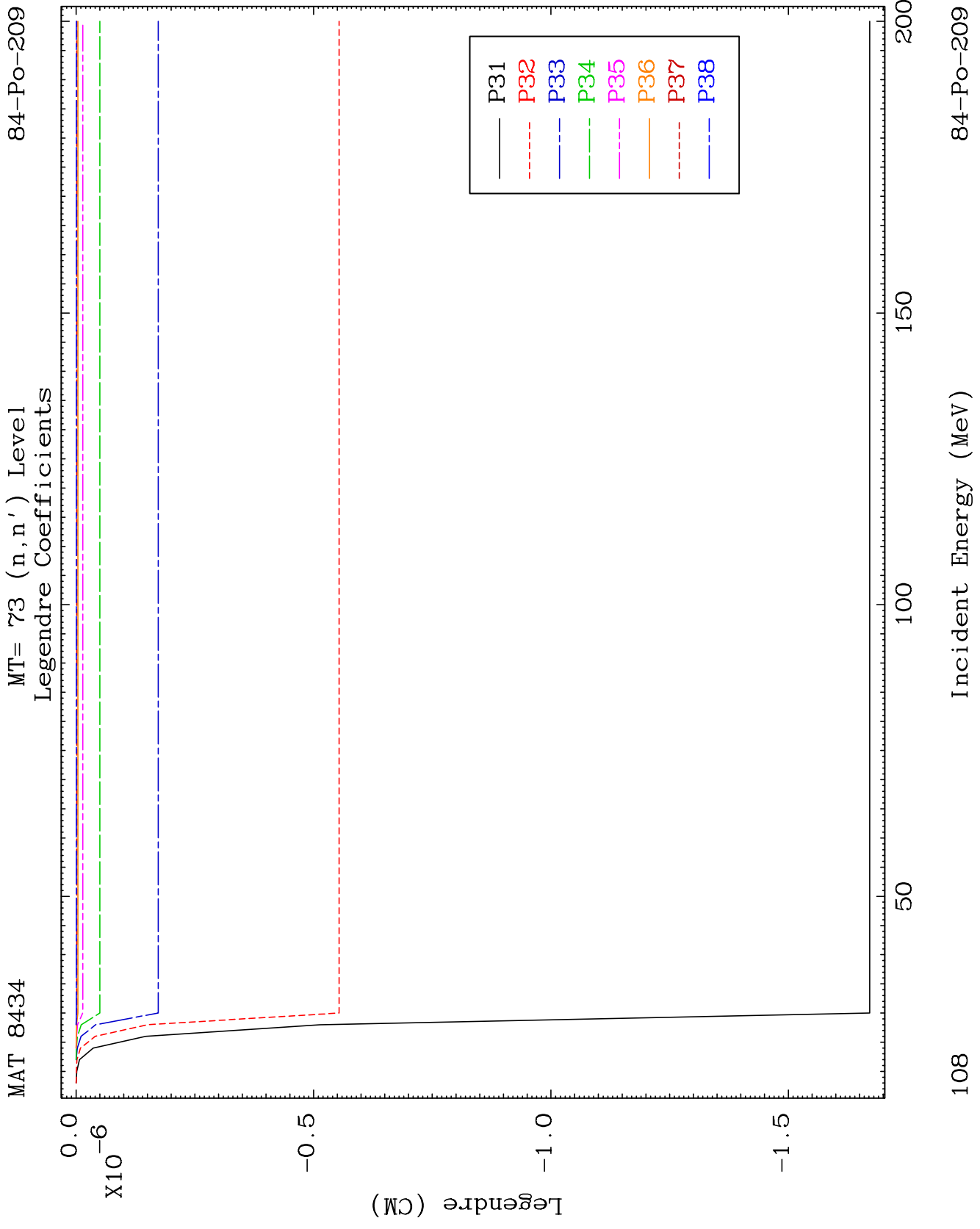
84-Po-209



107

Incident Energy (MeV)

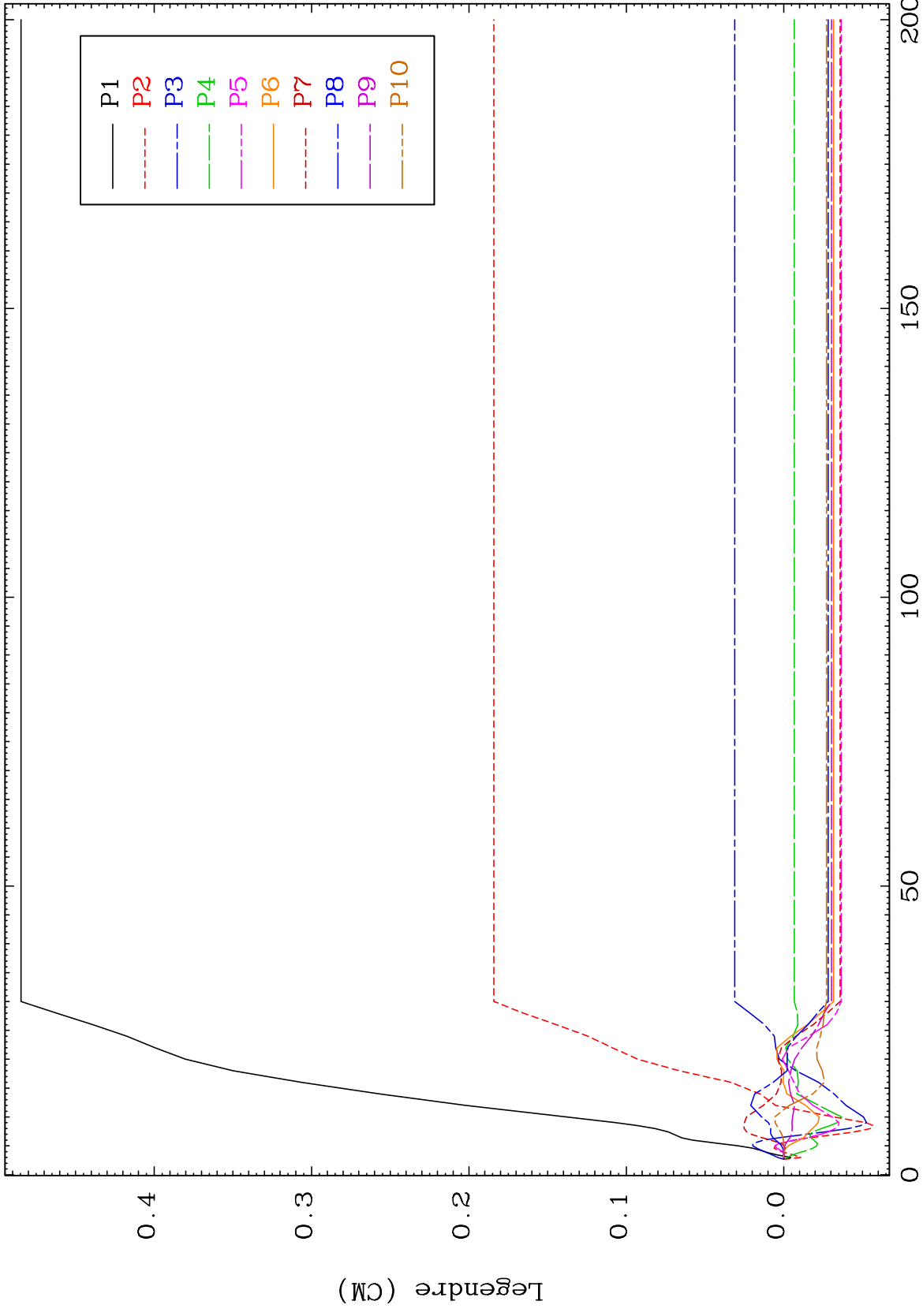
84-Po-209



MAT 8434

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

84-Po-209



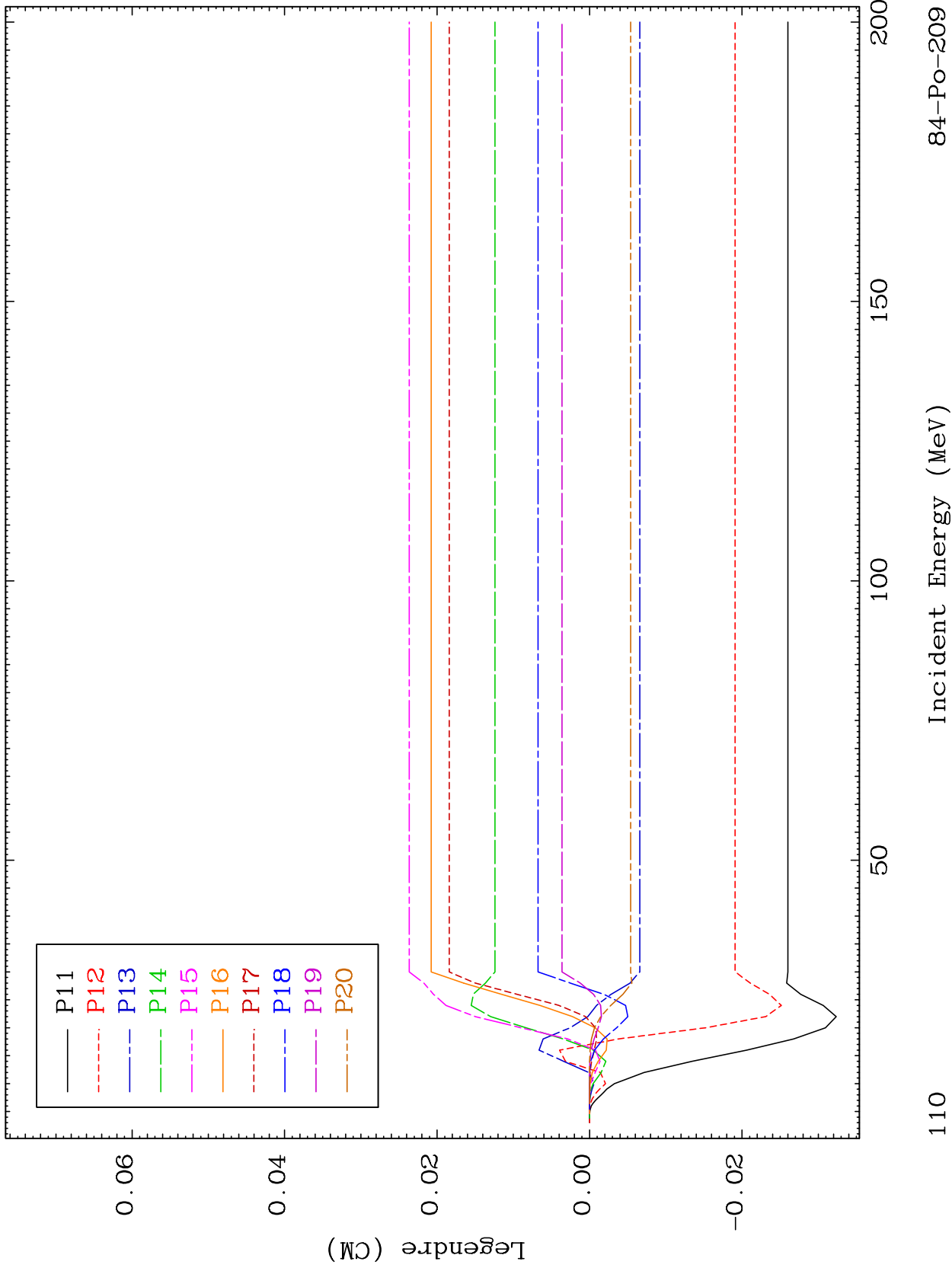
109

84-Po-209

MAT 8434

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

84-Po-209



110

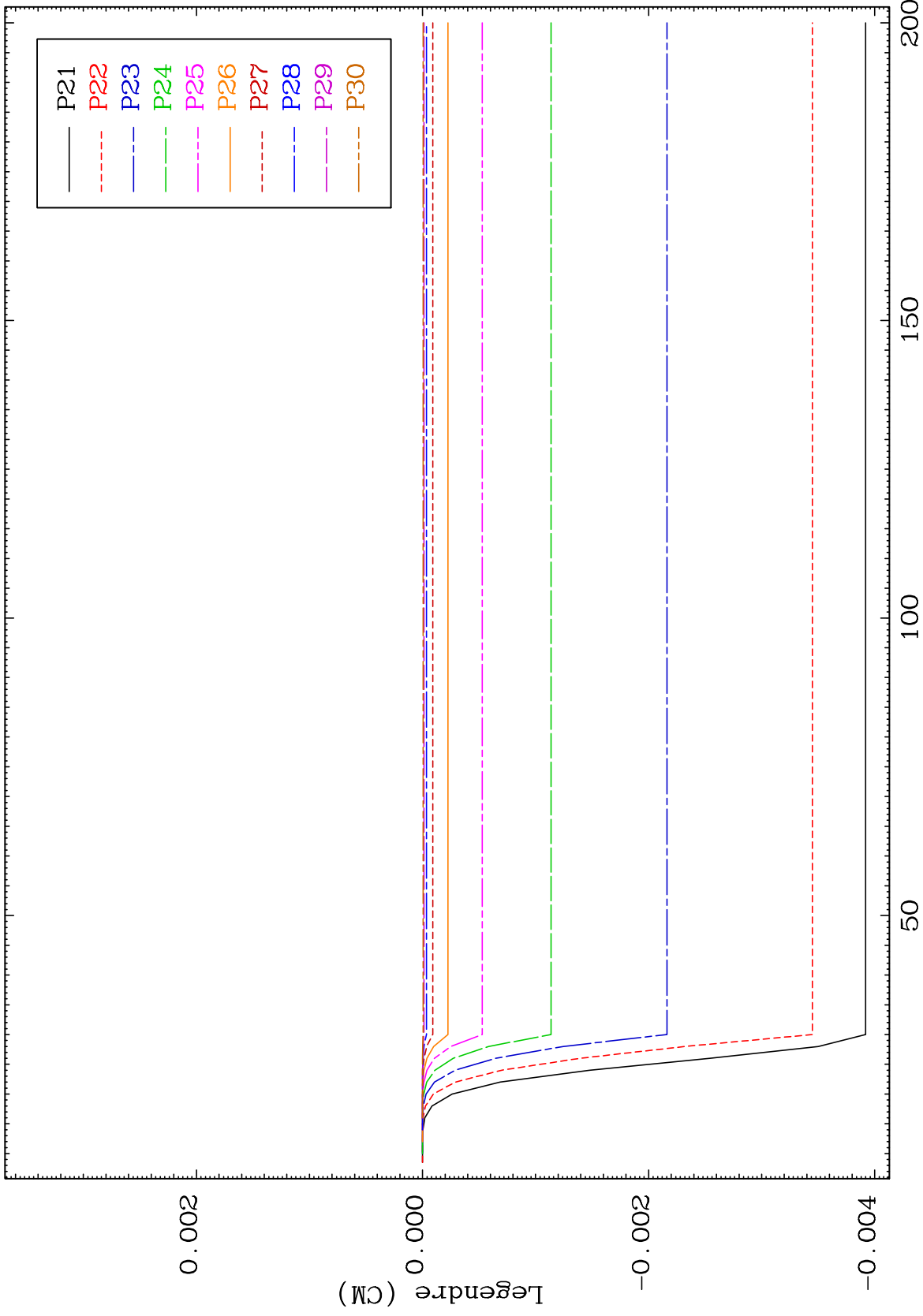
Incident Energy (MeV)

84-Po-209

MAT 8434

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

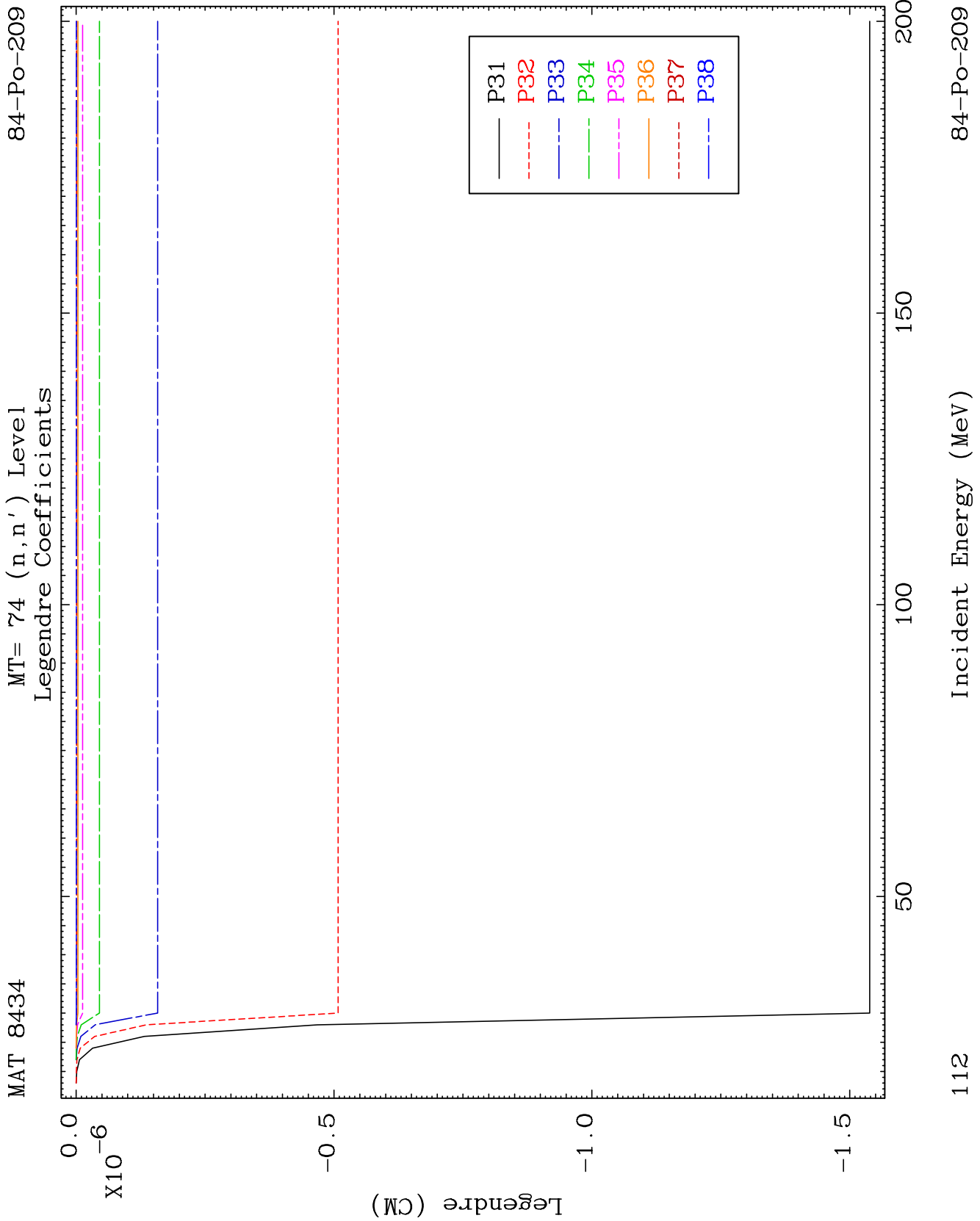
84-Po-209



111

Incident Energy (MeV)

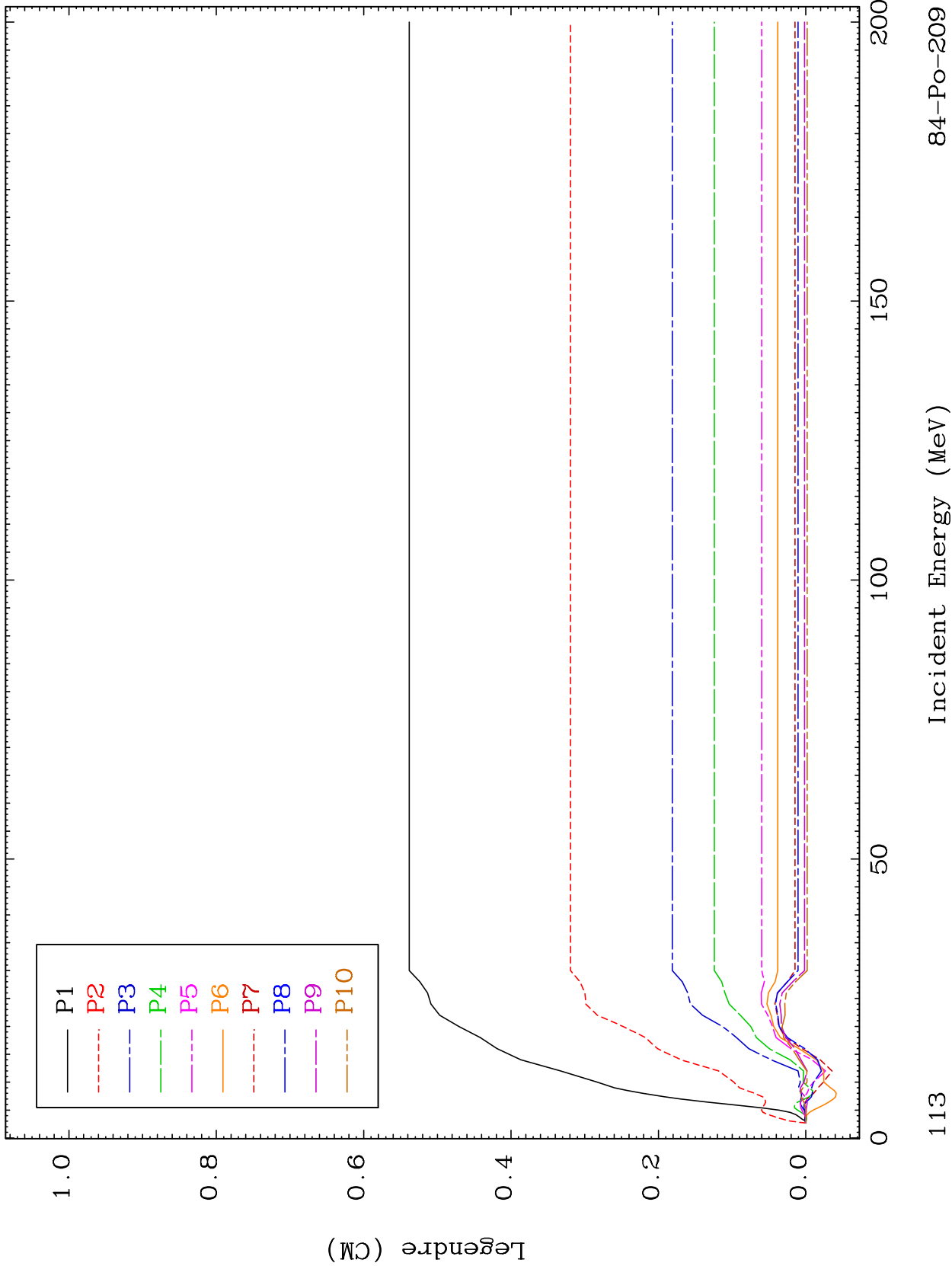
84-Po-209



MAT 8434

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

84-Po-209



113

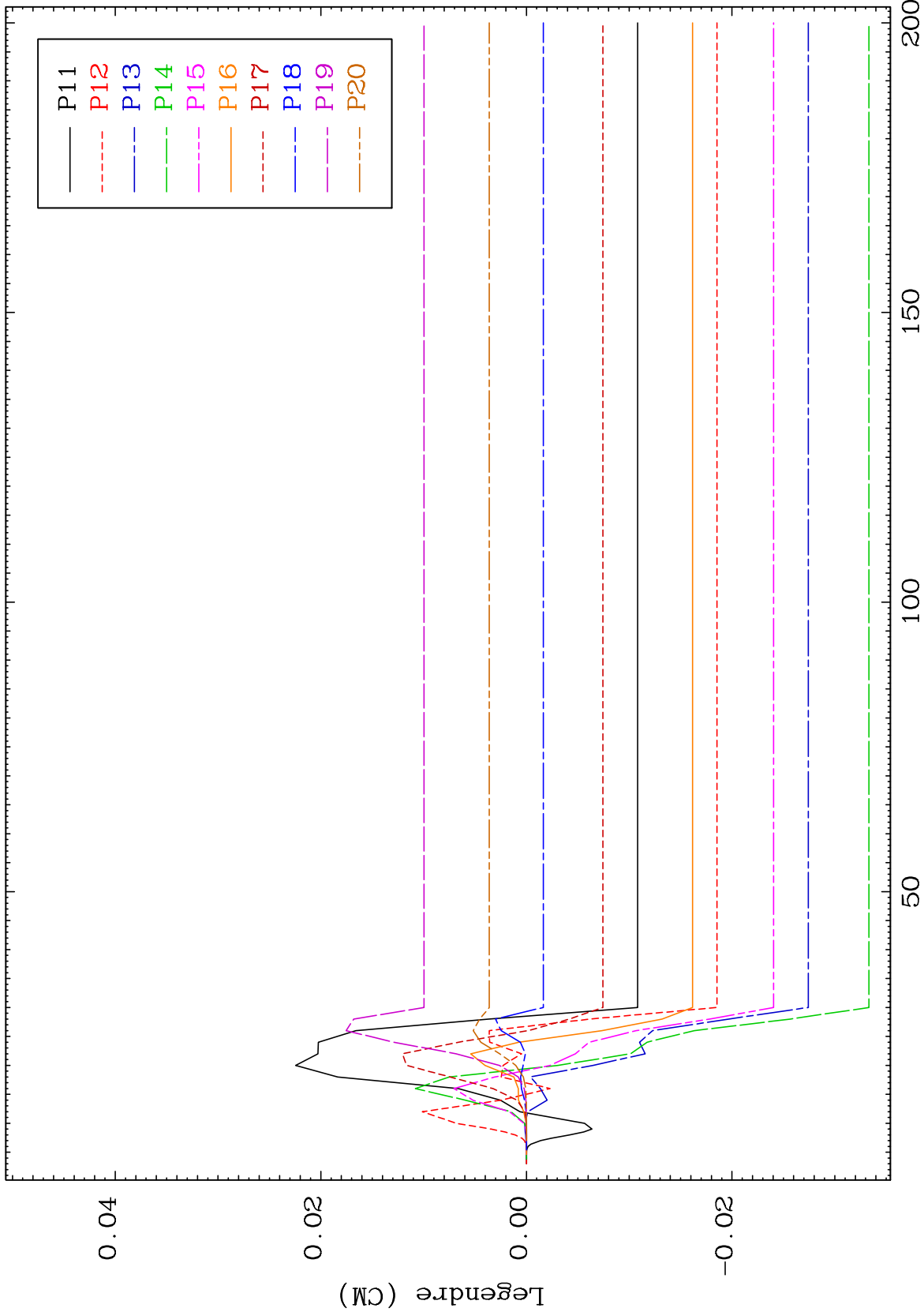
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



114

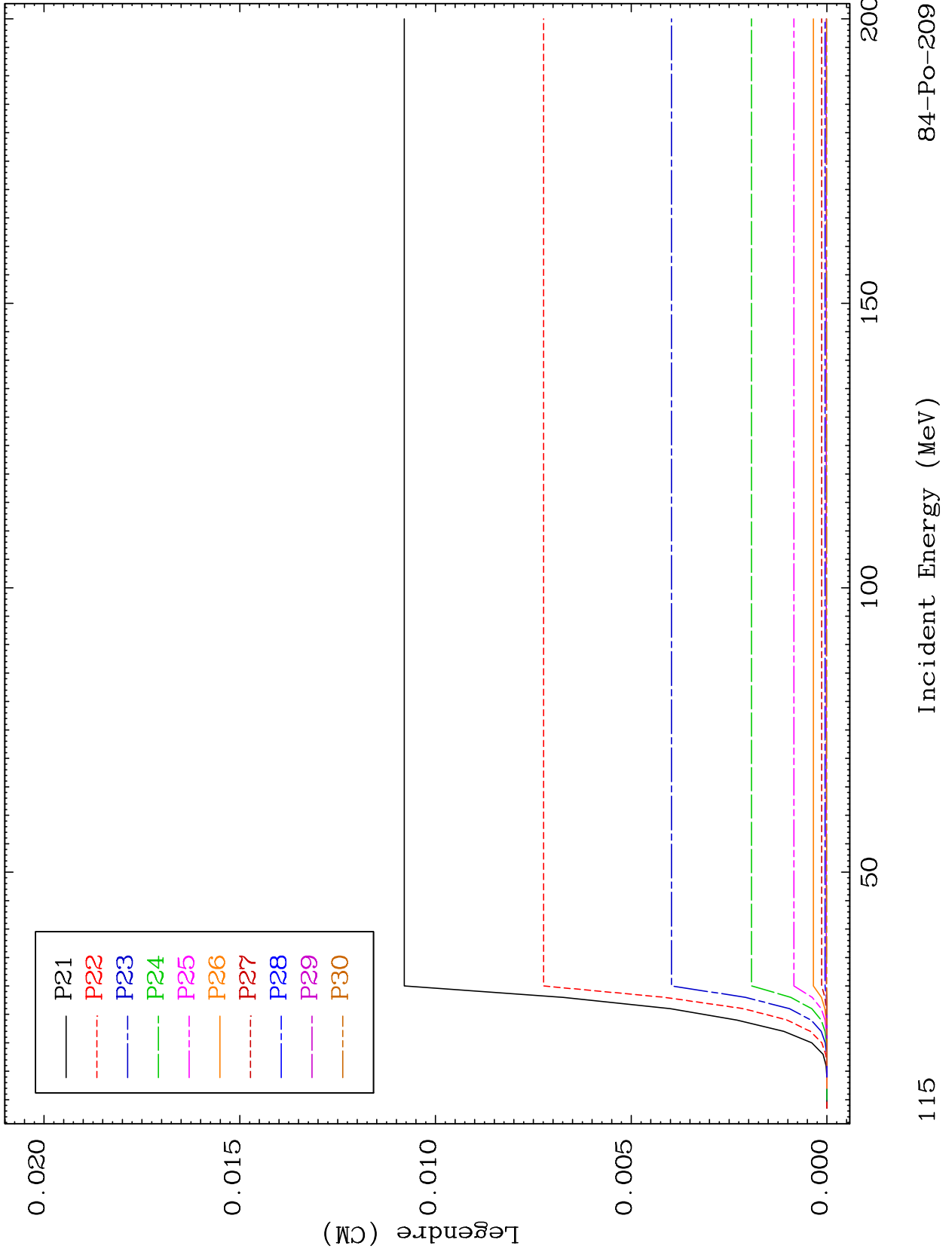
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



115

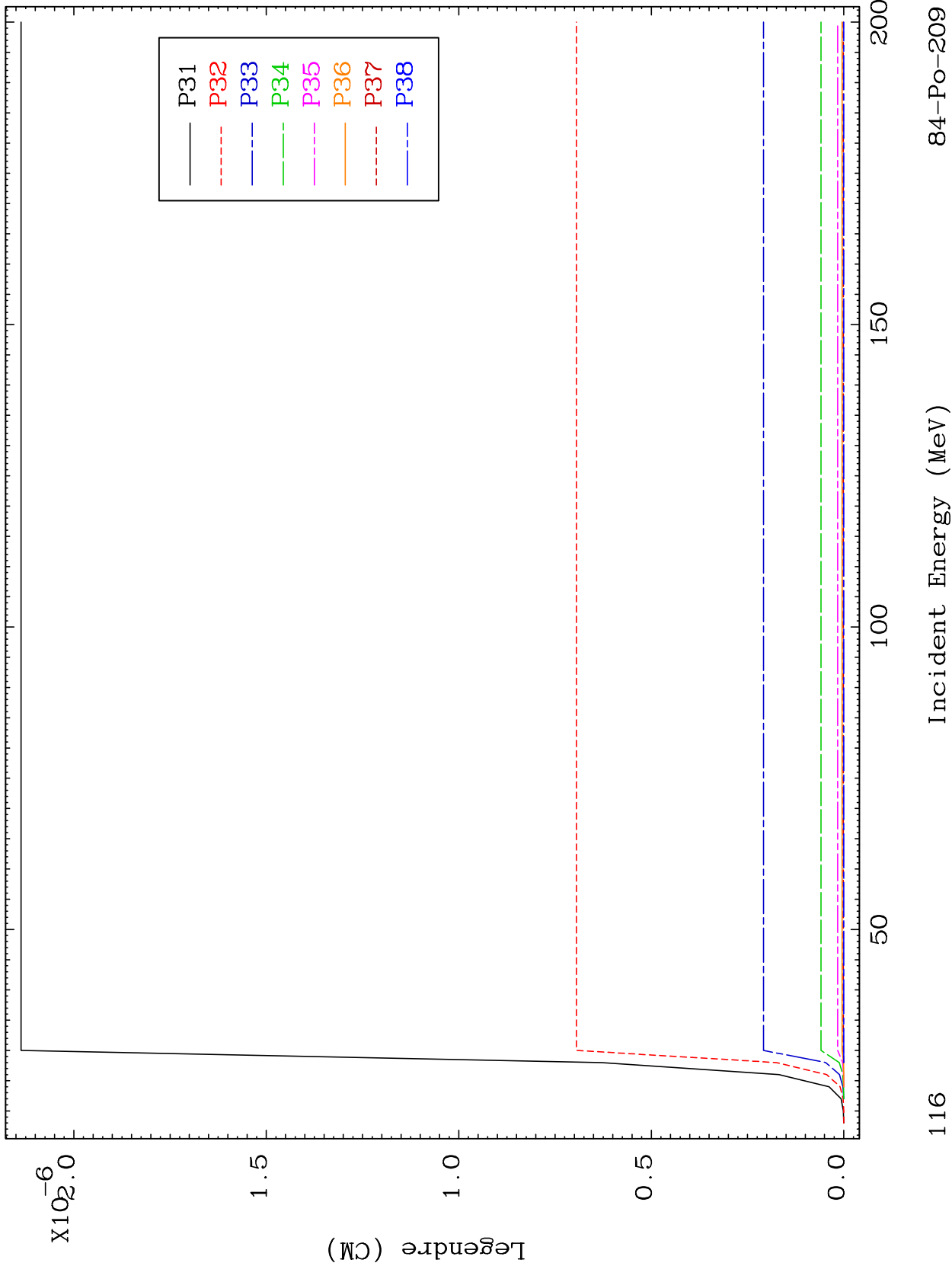
Incident Energy (MeV)

84-Po-209

MAT 8434

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

84-Po-209



116

Incident Energy (MeV)

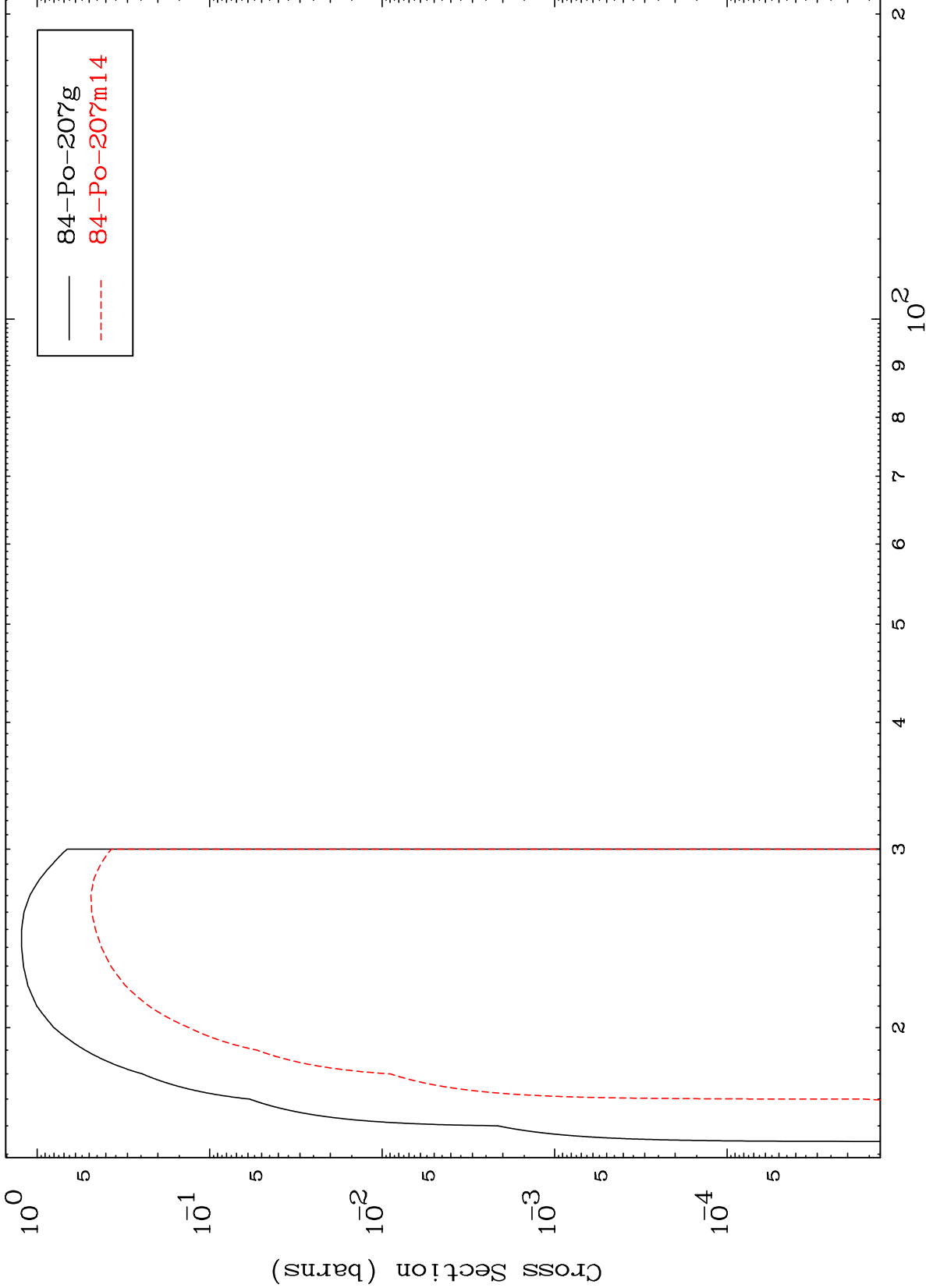
84-Po-209

MAT 8434

(n,3n)

84-Po-209

Radionuclide Production Cross Section



84-Po-207g
84-Po-207m14

117

Incident Energy (MeV)

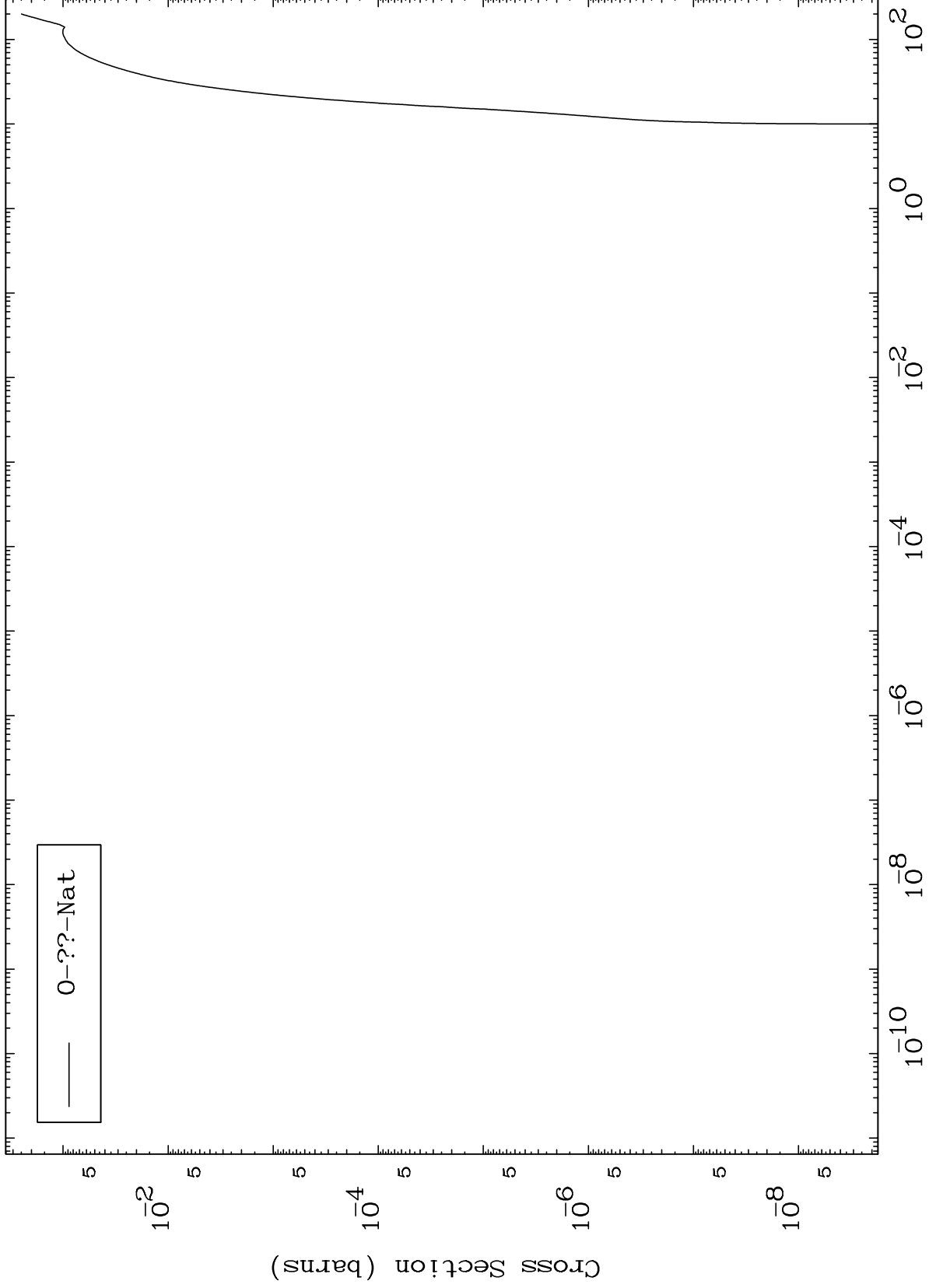
84-Po-209

MAT 8434

Fission

84-Po-209

Radionuclide Production Cross Section

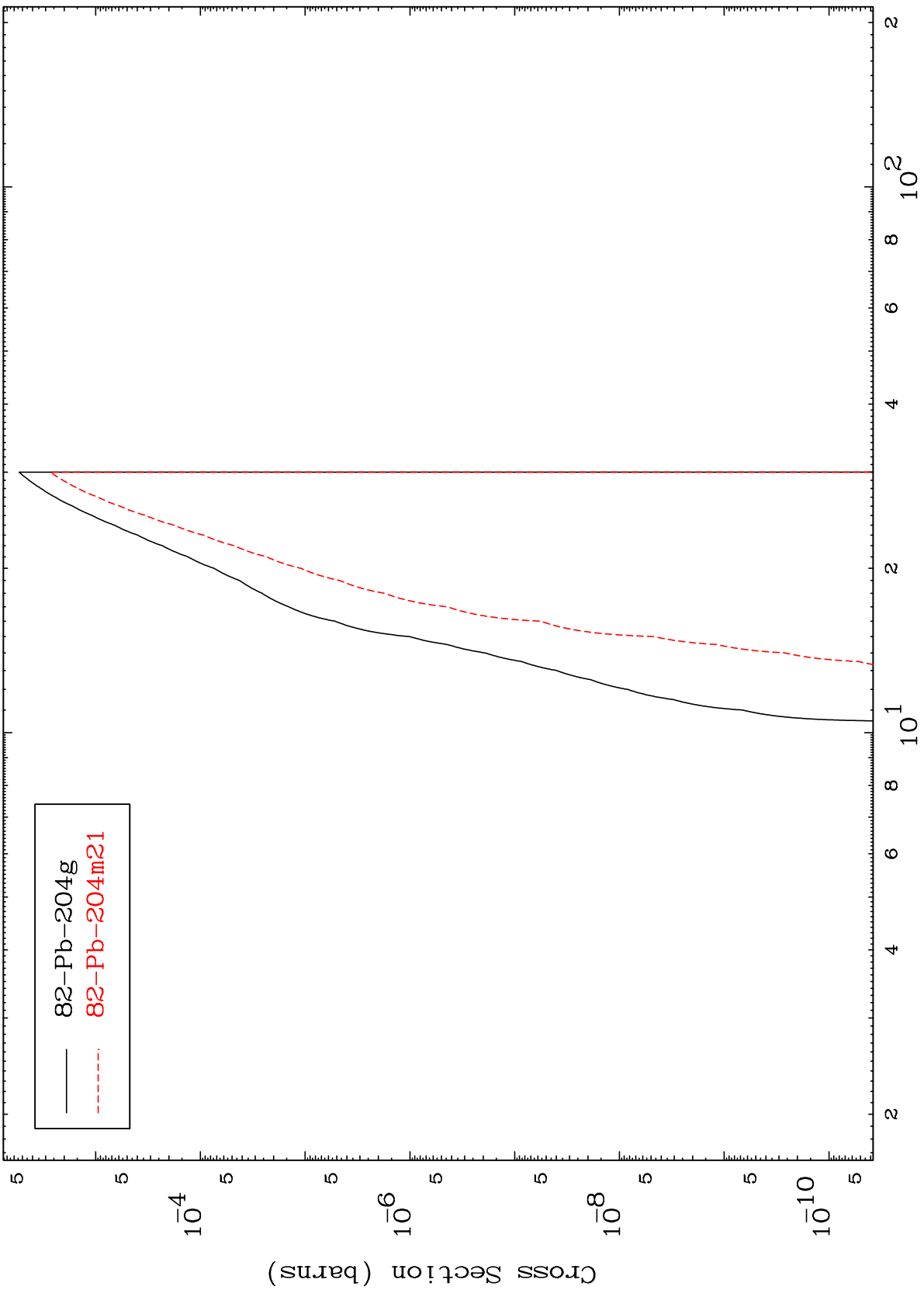


MAT 8434

(n,2n) α

84-Po-209

Radionuclide Production Cross Section



82-Pb-204g
82-Pb-204m21

119

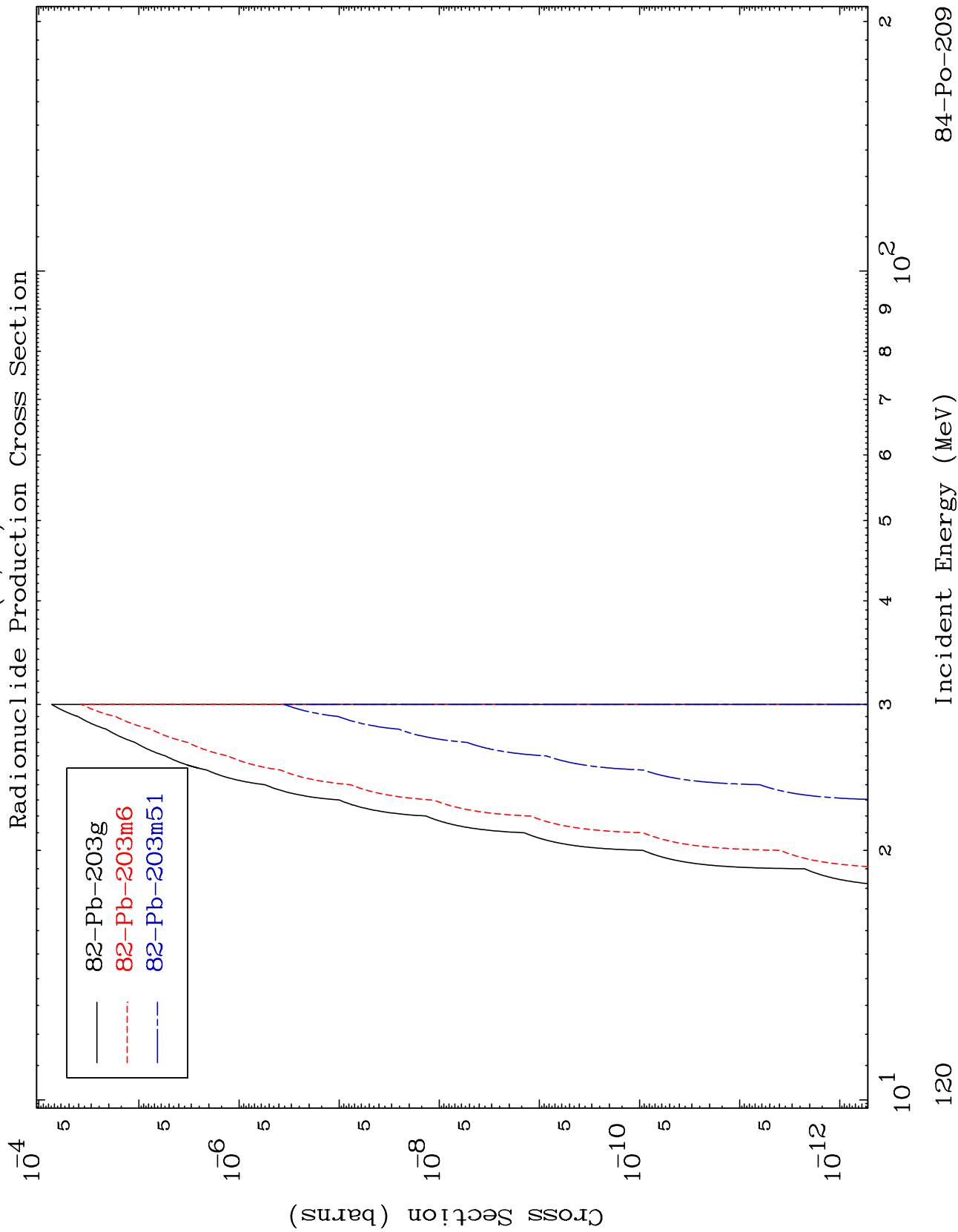
Incident Energy (MeV)

84-Po-209

MAT 8434

(n,3n) α

84-Po-209



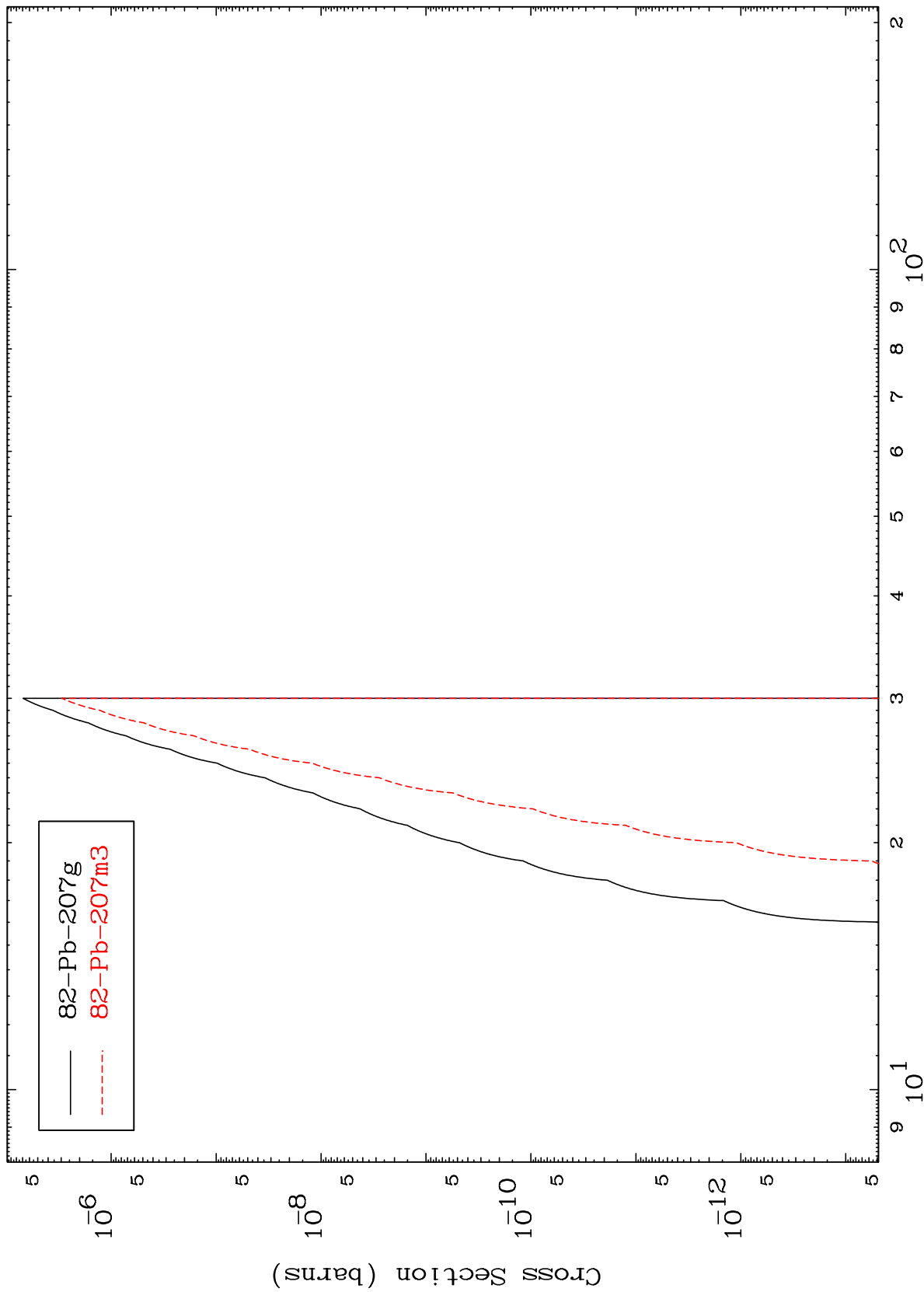
82-Pb-203g
82-Pb-203m6
82-Pb-203m51

MAT 8434

(n,2n) p

84-Po-209

Radionuclide Production Cross Section



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

121

Incident Energy (MeV)

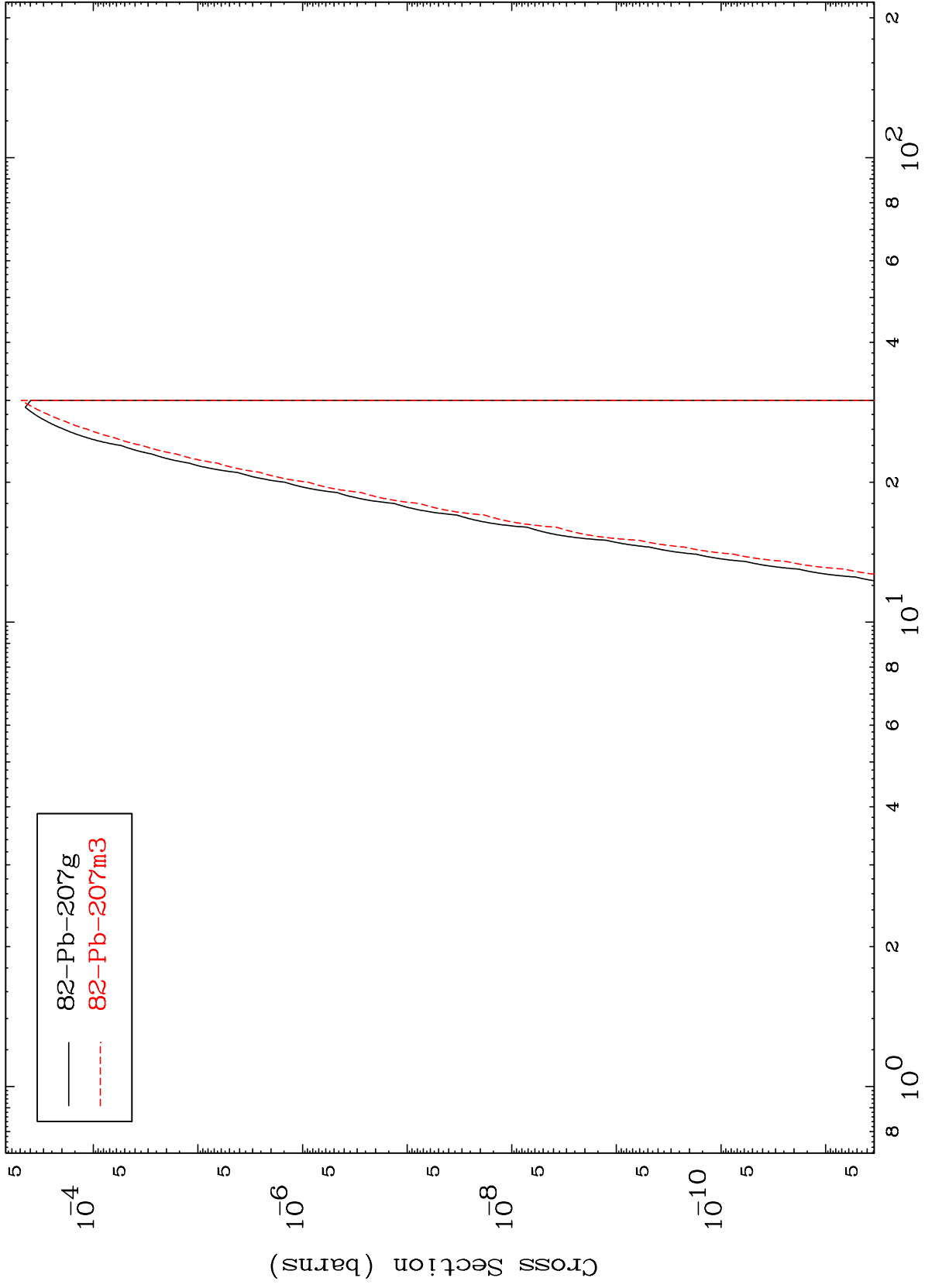
84-Po-209

MAT 8434

(n,He-3)

84-Po-209

Radionuclide Production Cross Section



122

Incident Energy (MeV)

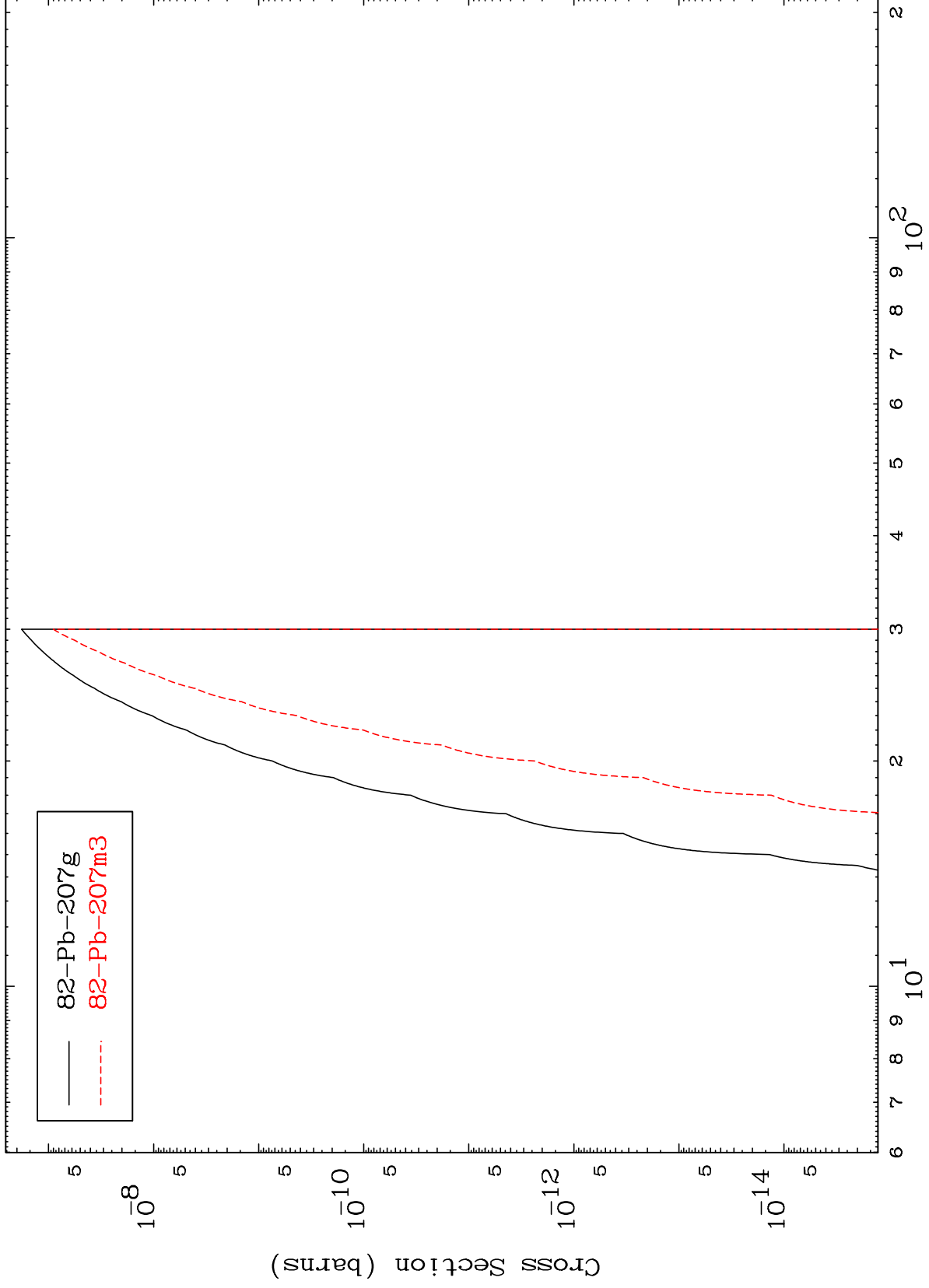
84-Po-209

MAT 8434

(n,p) d

84-Po-209

Radionuclide Production Cross Section



123

Incident Energy (MeV)

84-Po-209