

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

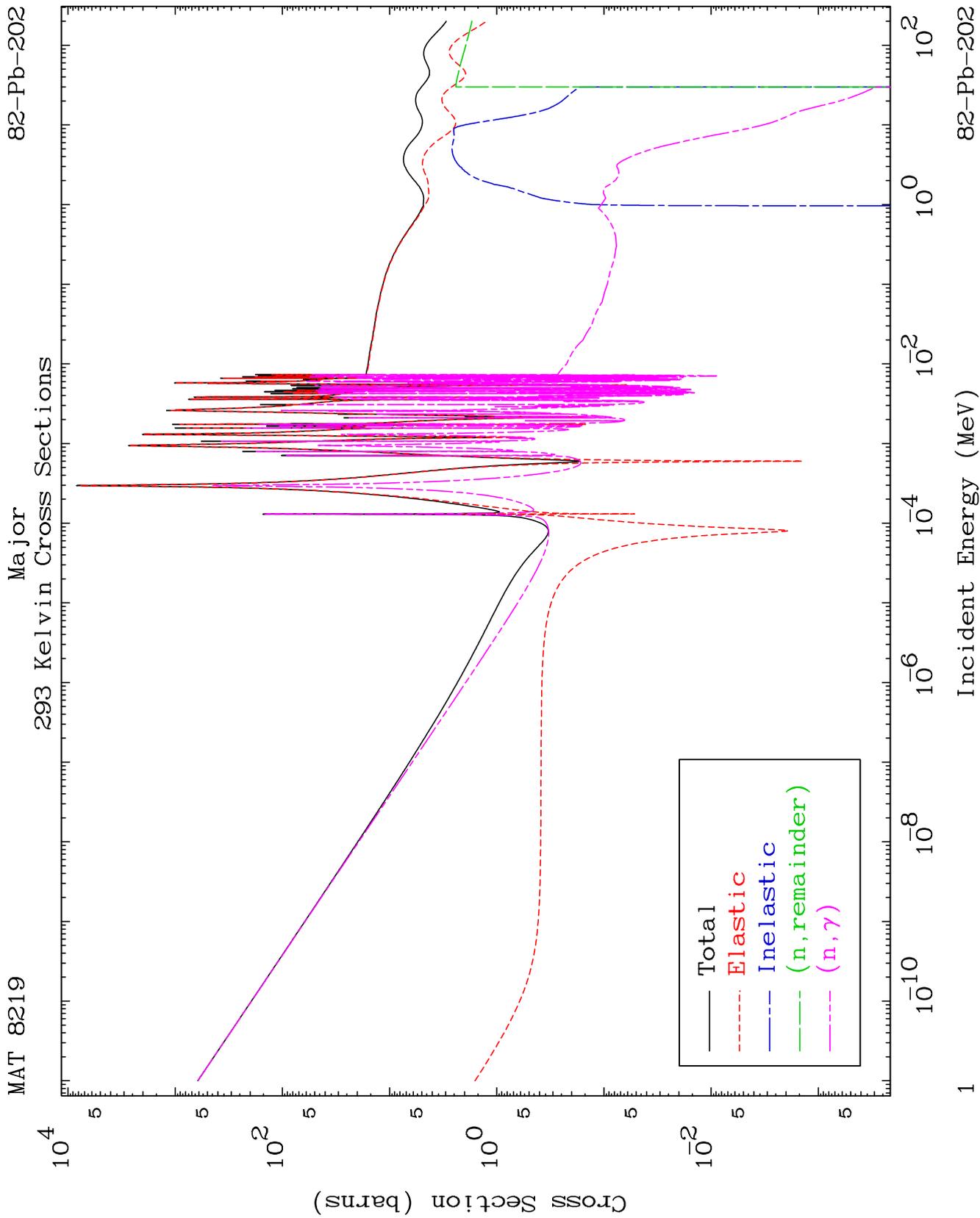
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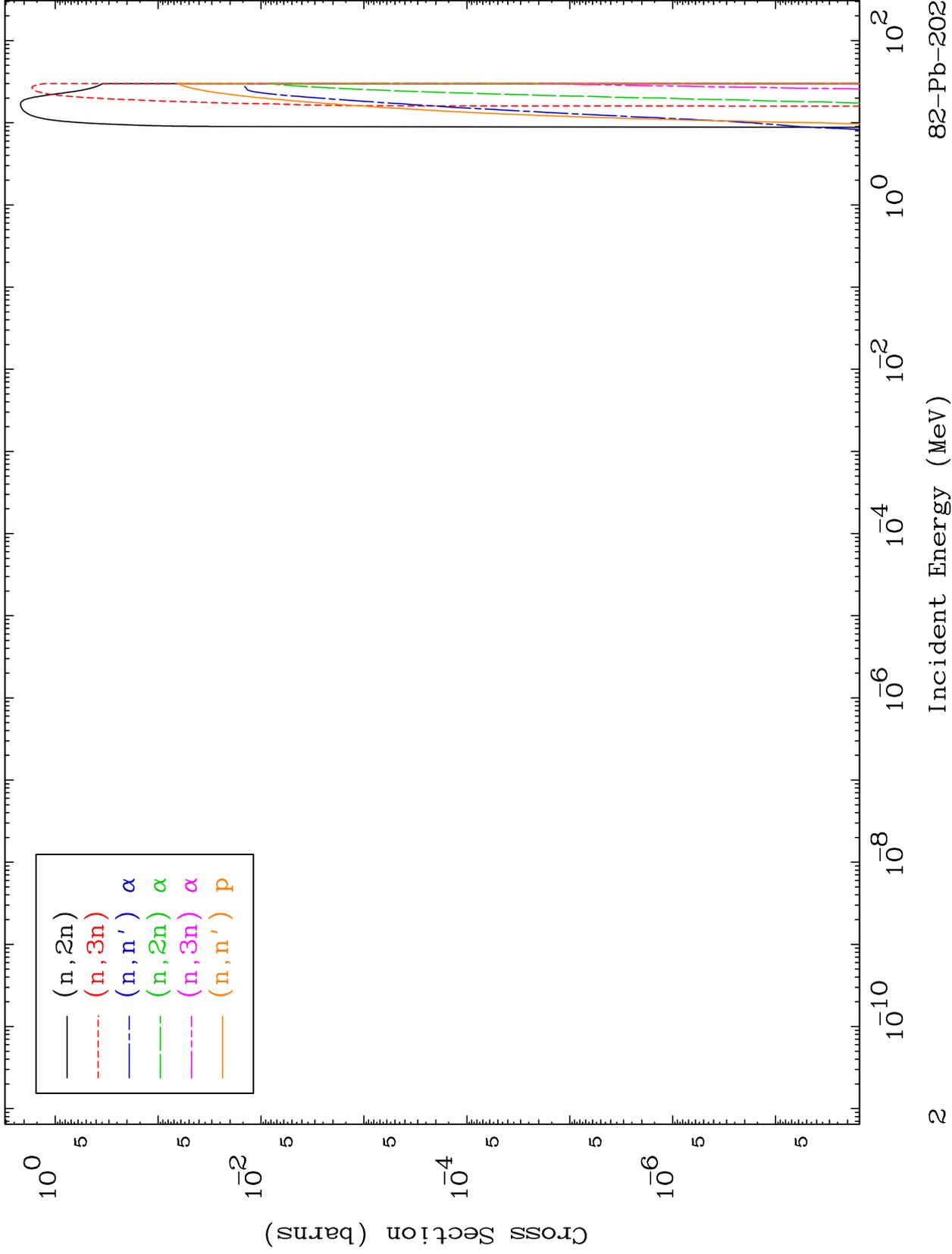
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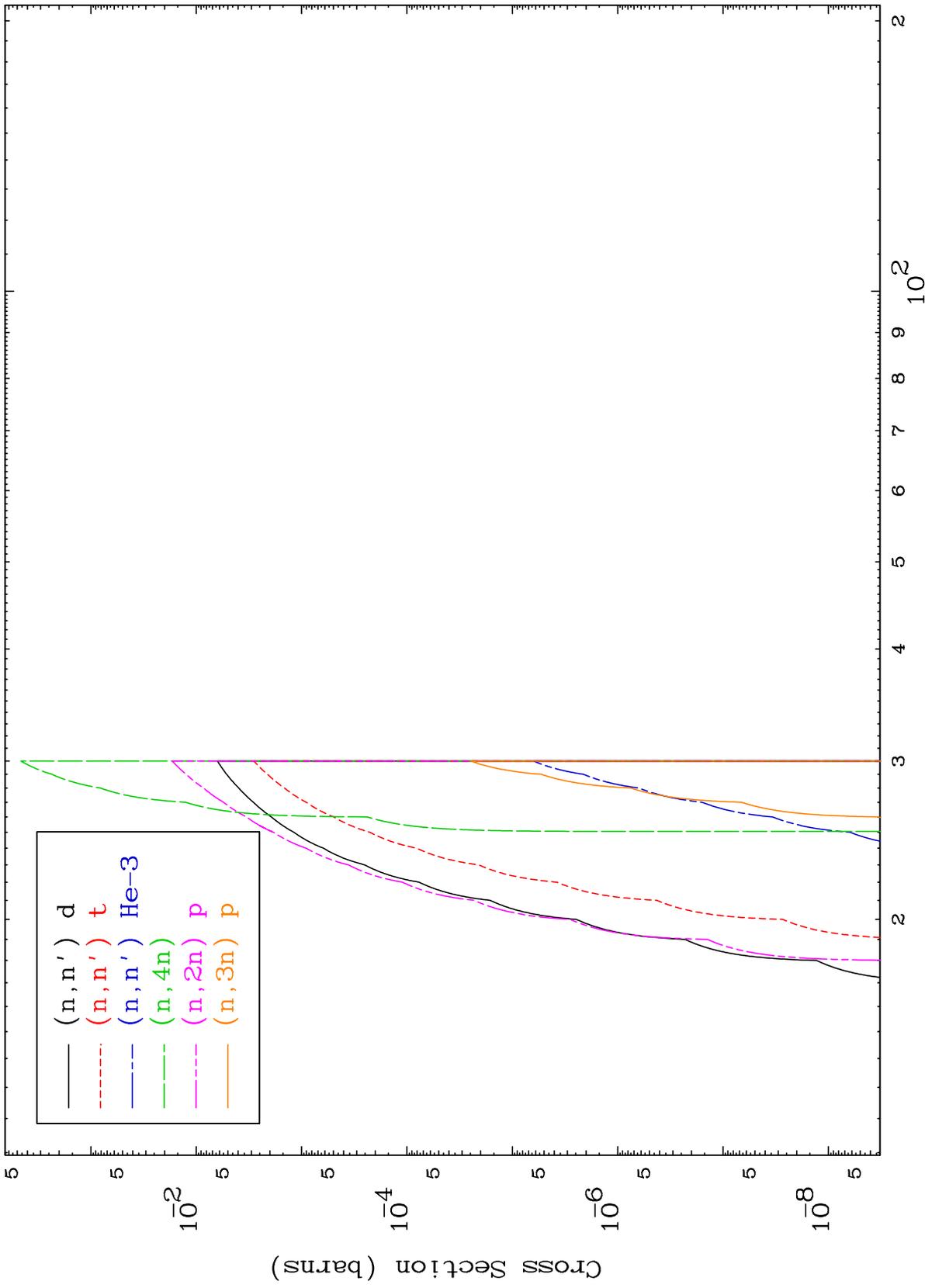


MAT 8219

Neutron Production
293 Kelvin Cross Sections

82-Pb-202

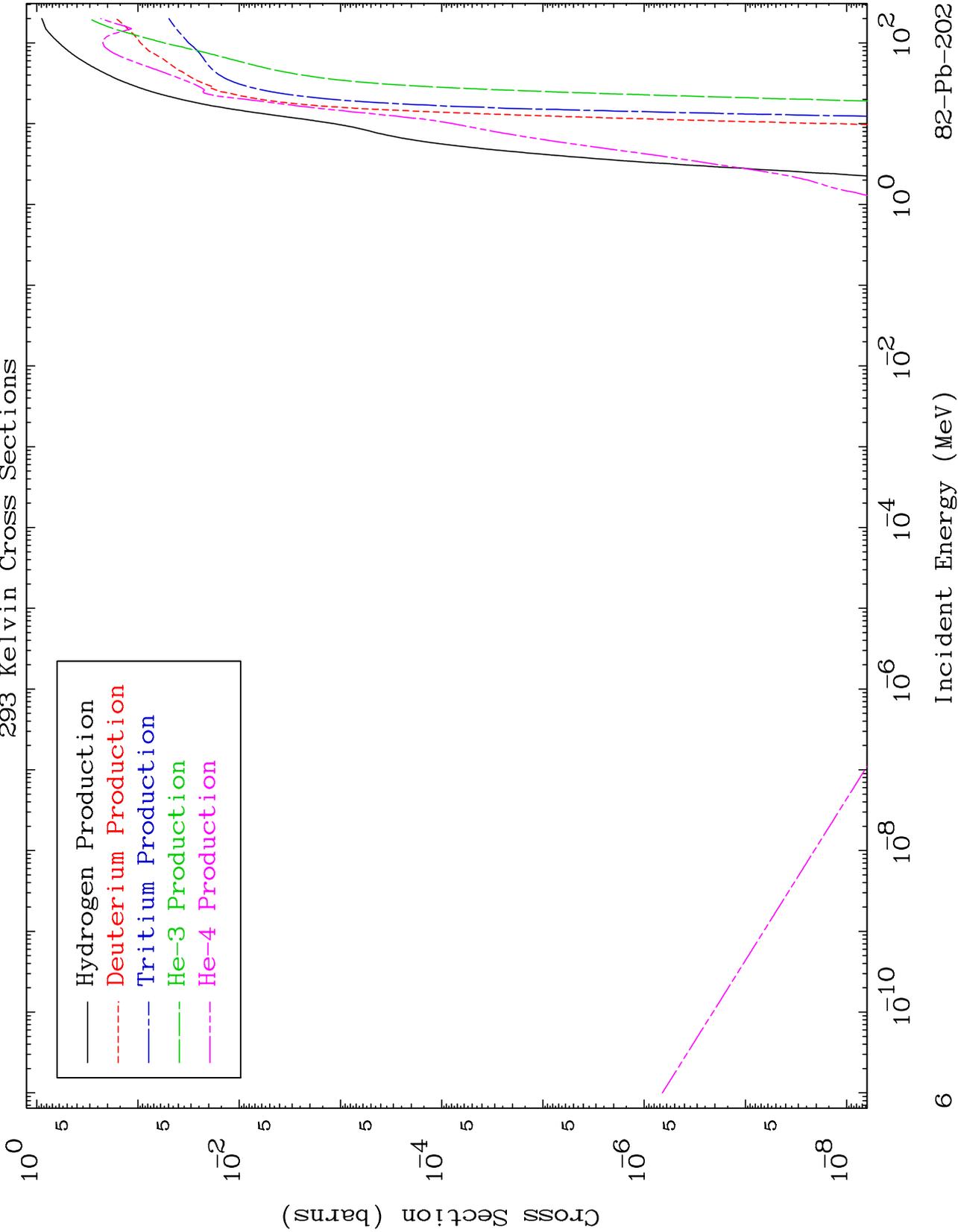




MAT 8219

Particle Production
293 Kelvin Cross Sections

82-Pb-202

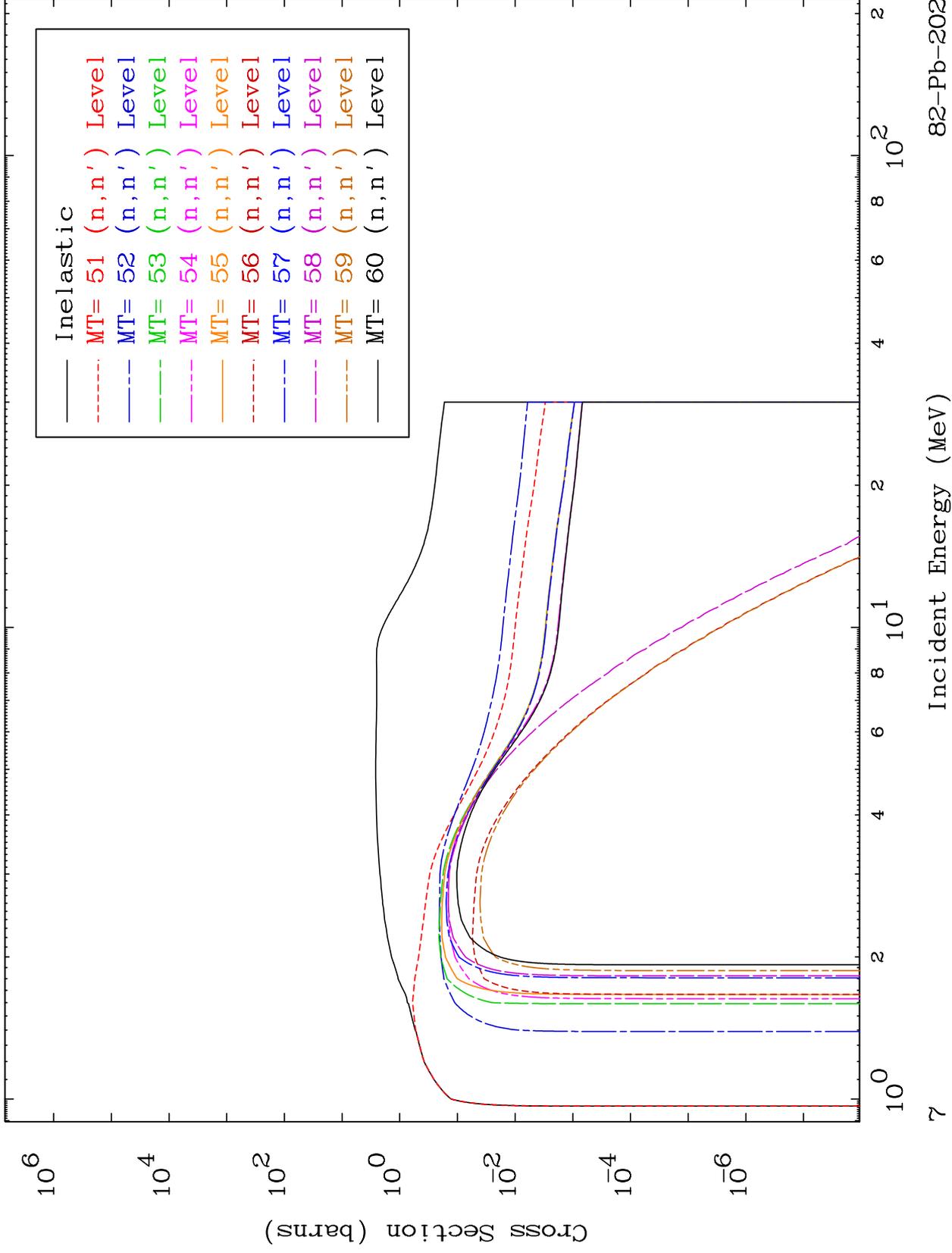


MAT 8219

(n,n') Level

82-Pb-202

293 Kelvin Cross Sections



Incident Energy (MeV)

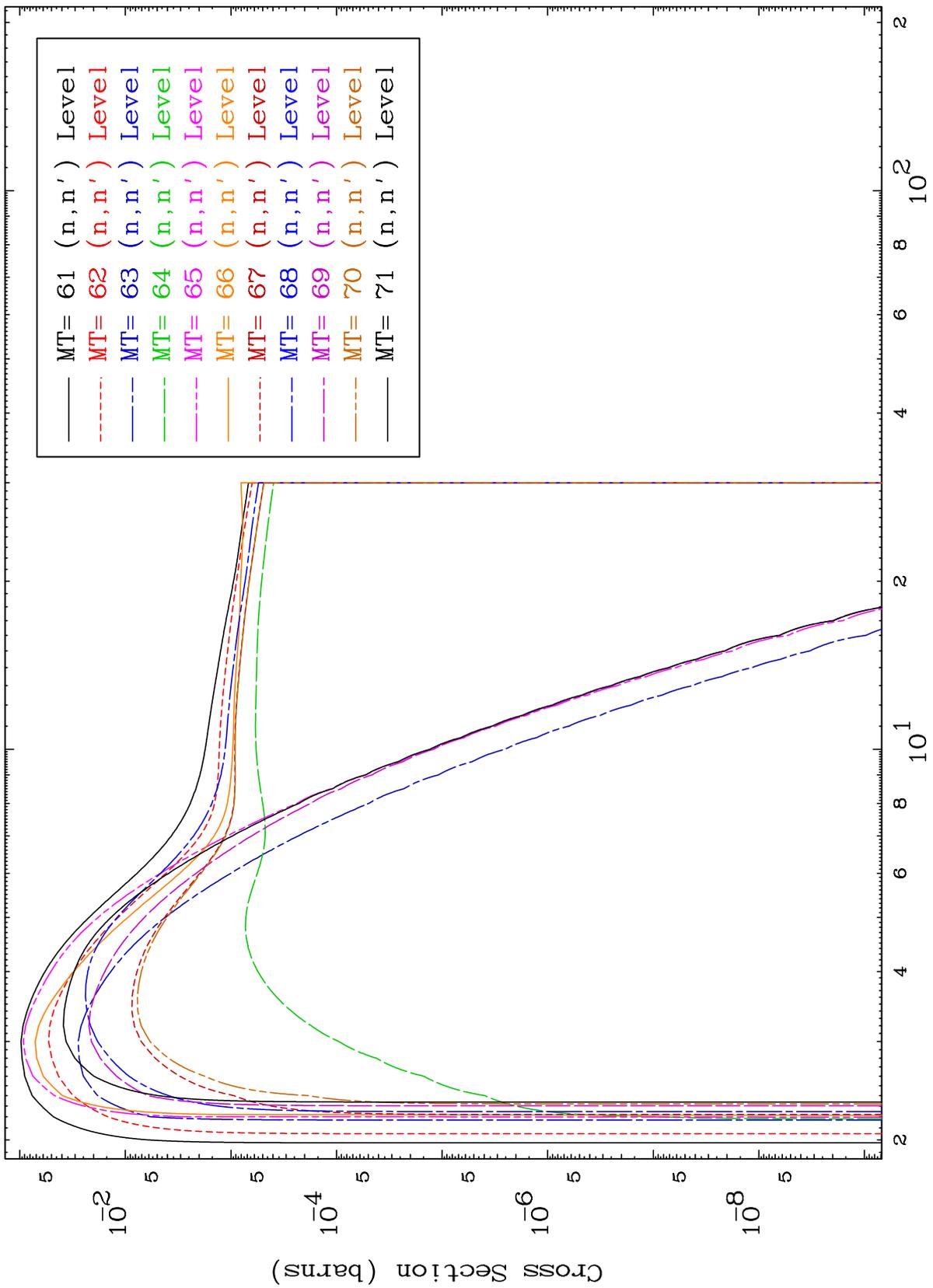
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MAT 8219

(n,n') Level

82-Pb-202

293 Kelvin Cross Sections

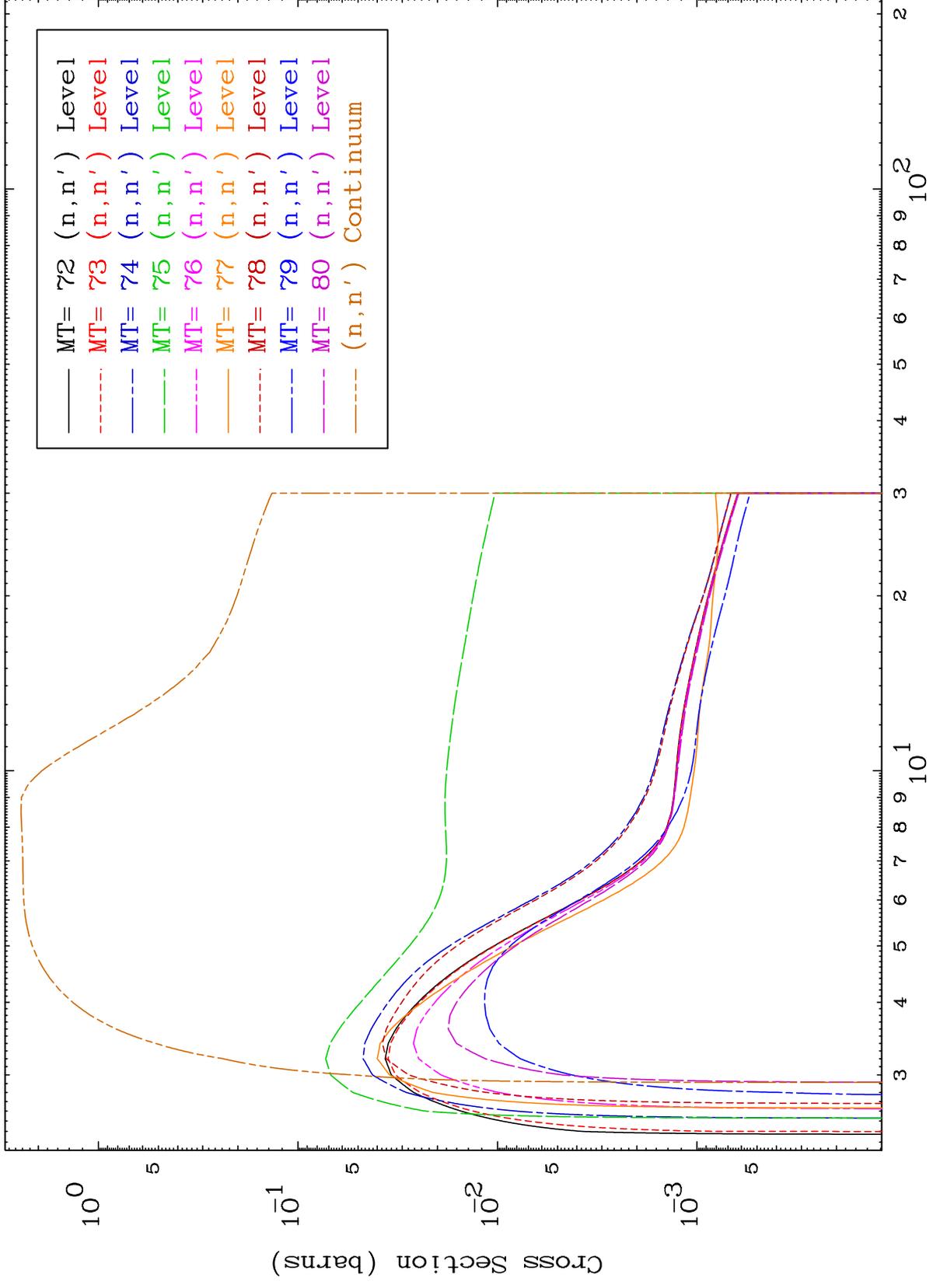


8

Incident Energy (MeV)

82-Pb-202

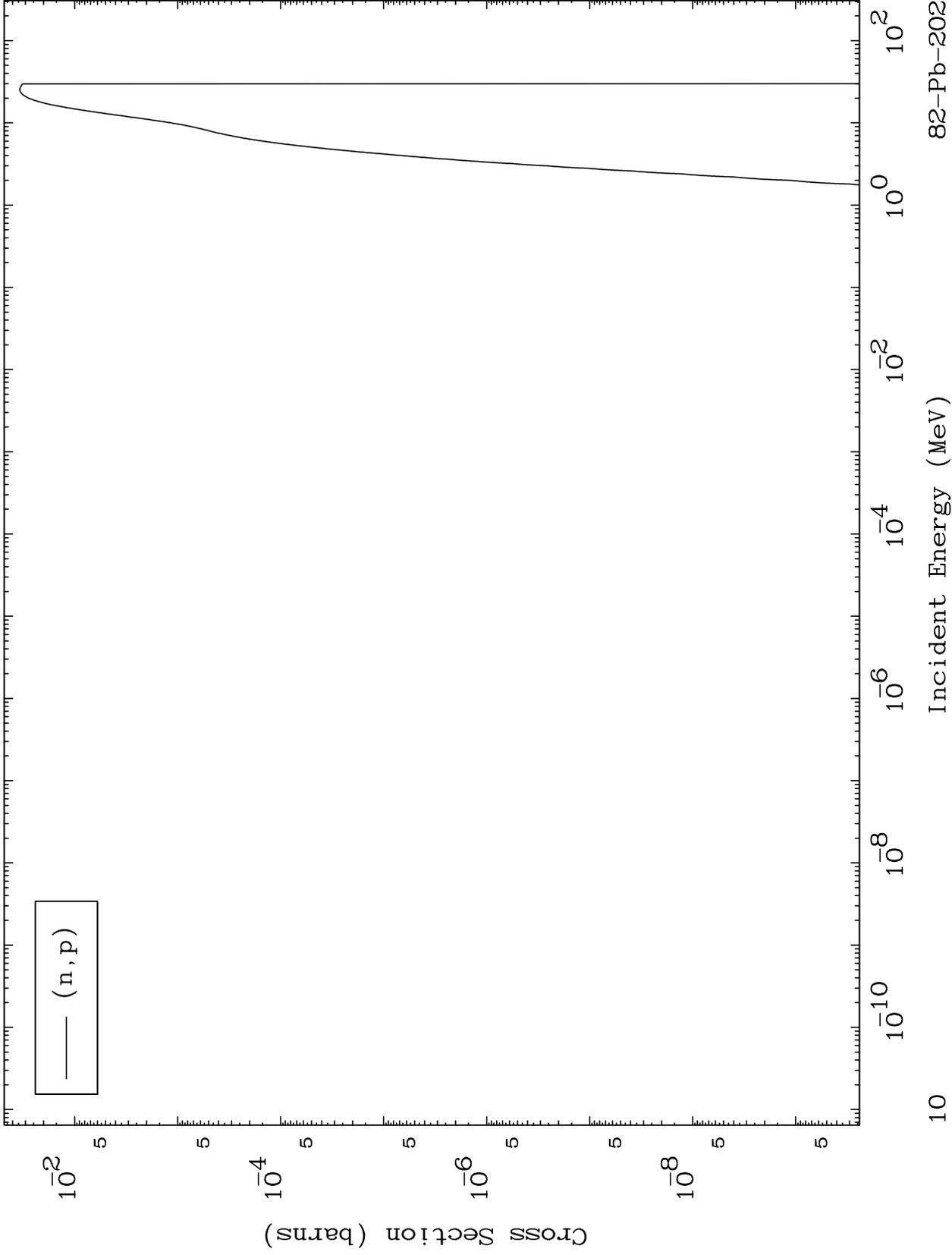
293 Kelvin Cross Sections



MAT 8219

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-202



10

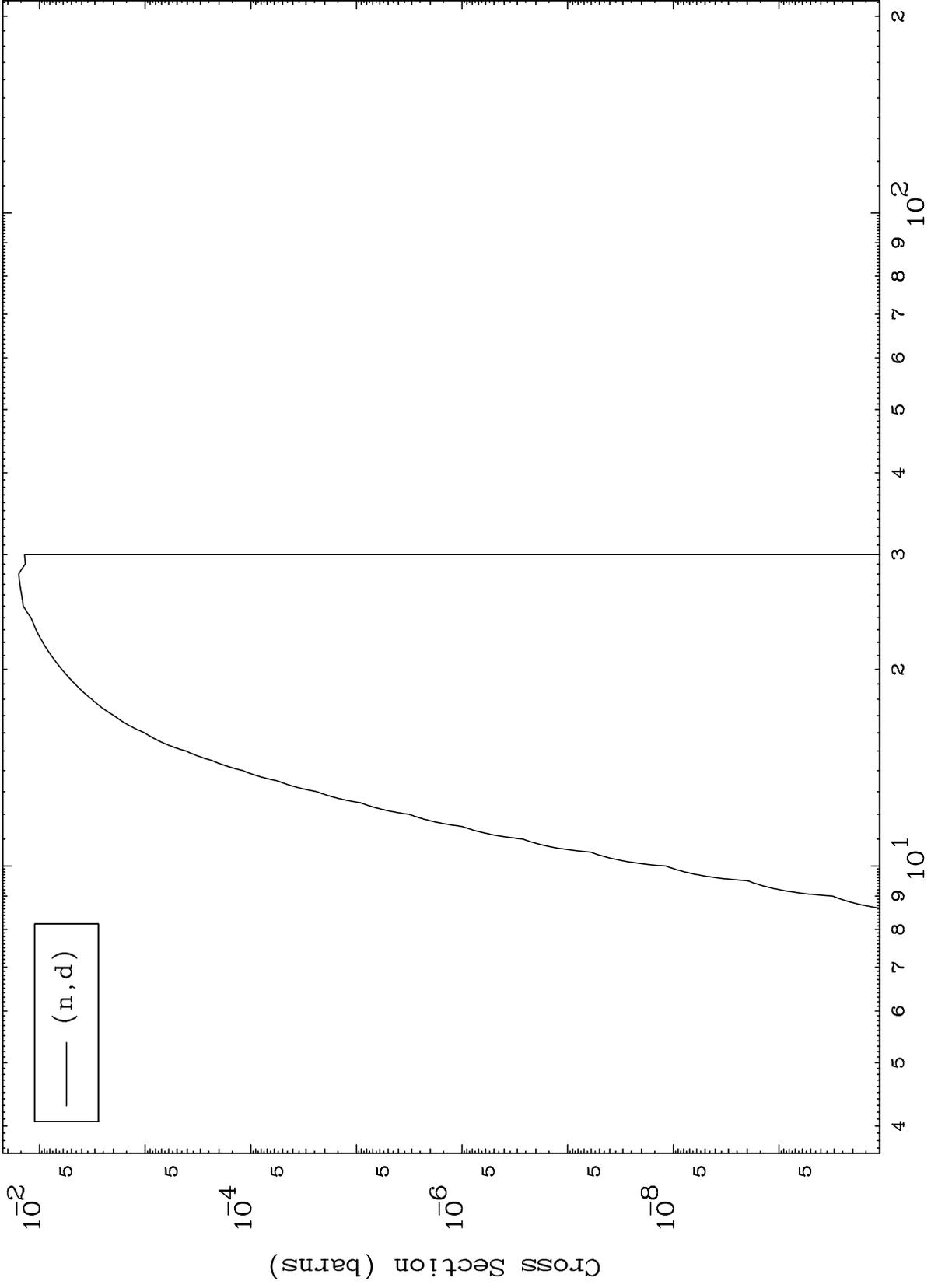
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,d) Levels
293 Kelvin Cross Sections

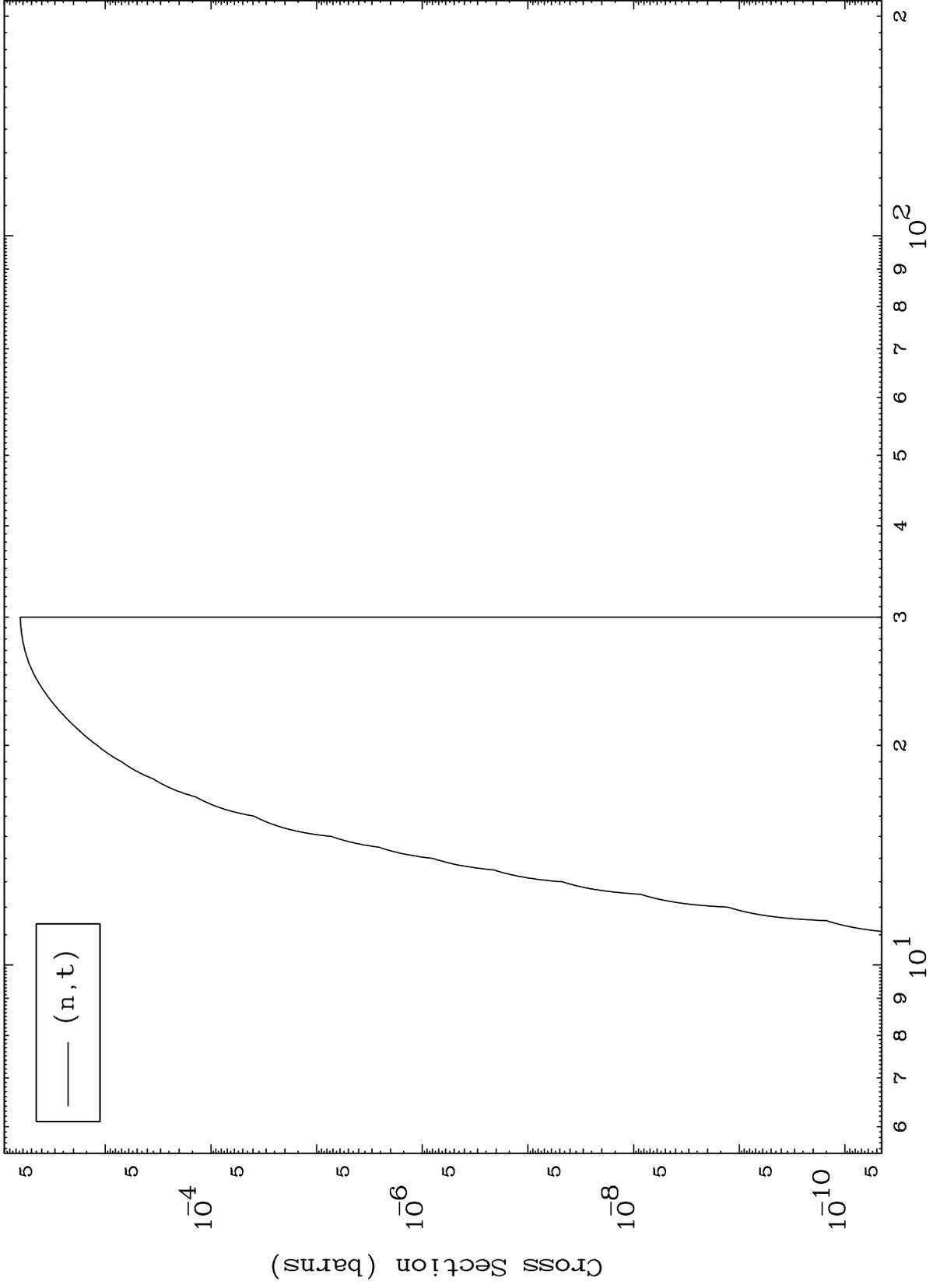
82-Pb-202



MAT 8219

(n, t) Levels
293 Kelvin Cross Sections

82-Pb-202



12

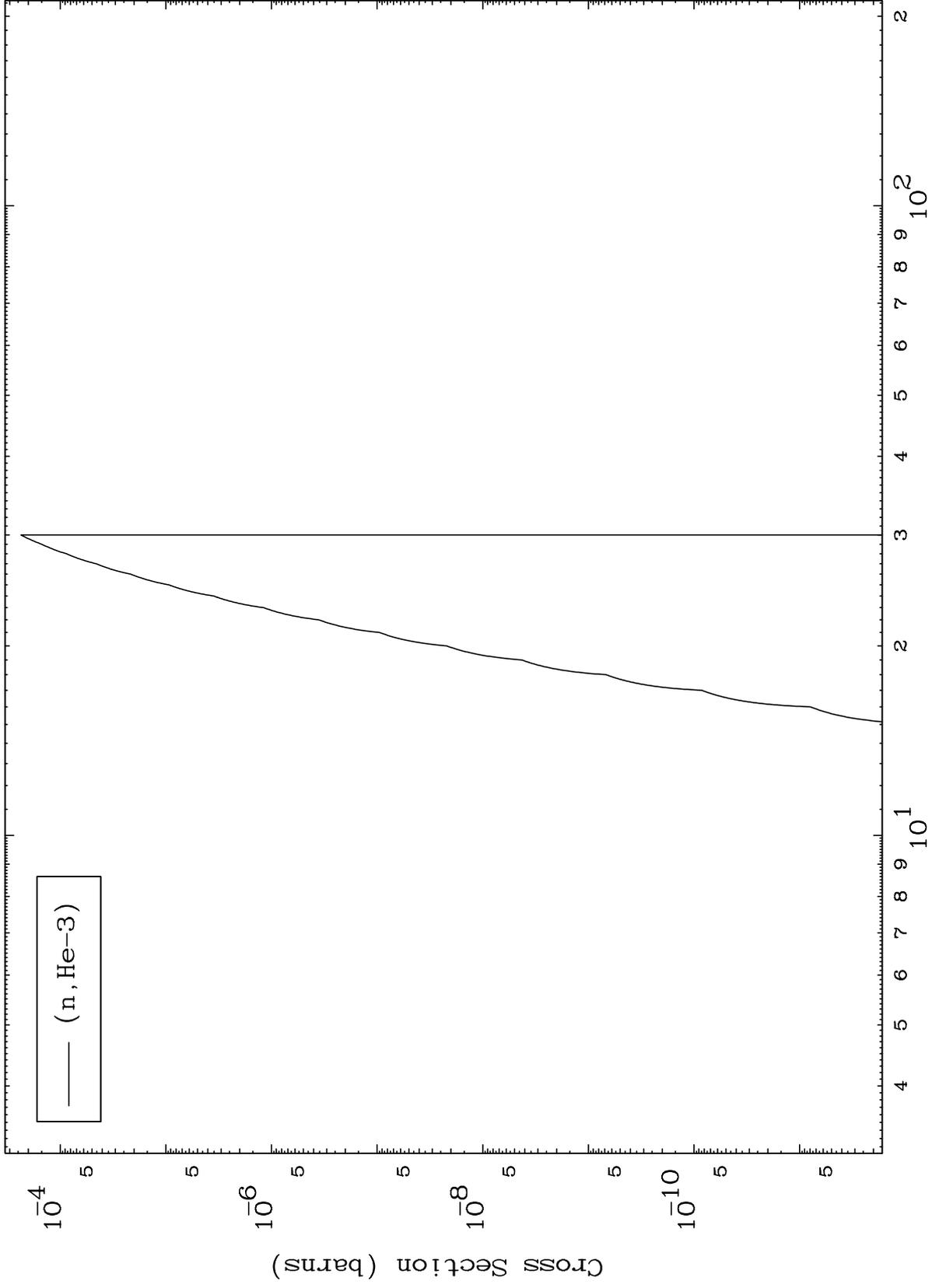
Incident Energy (MeV)

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MAT 8219

(n,He3) Levels
293 Kelvin Cross Sections

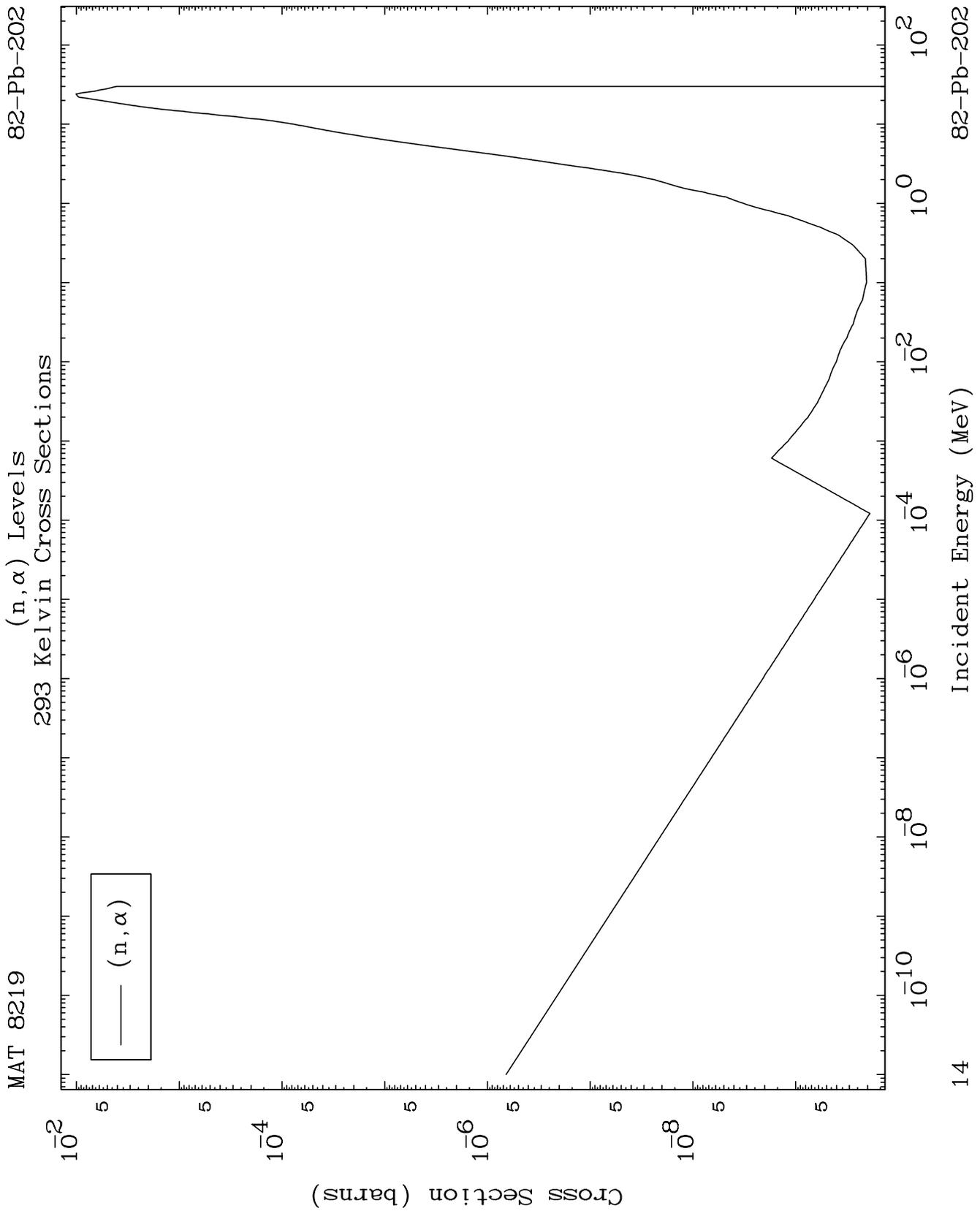
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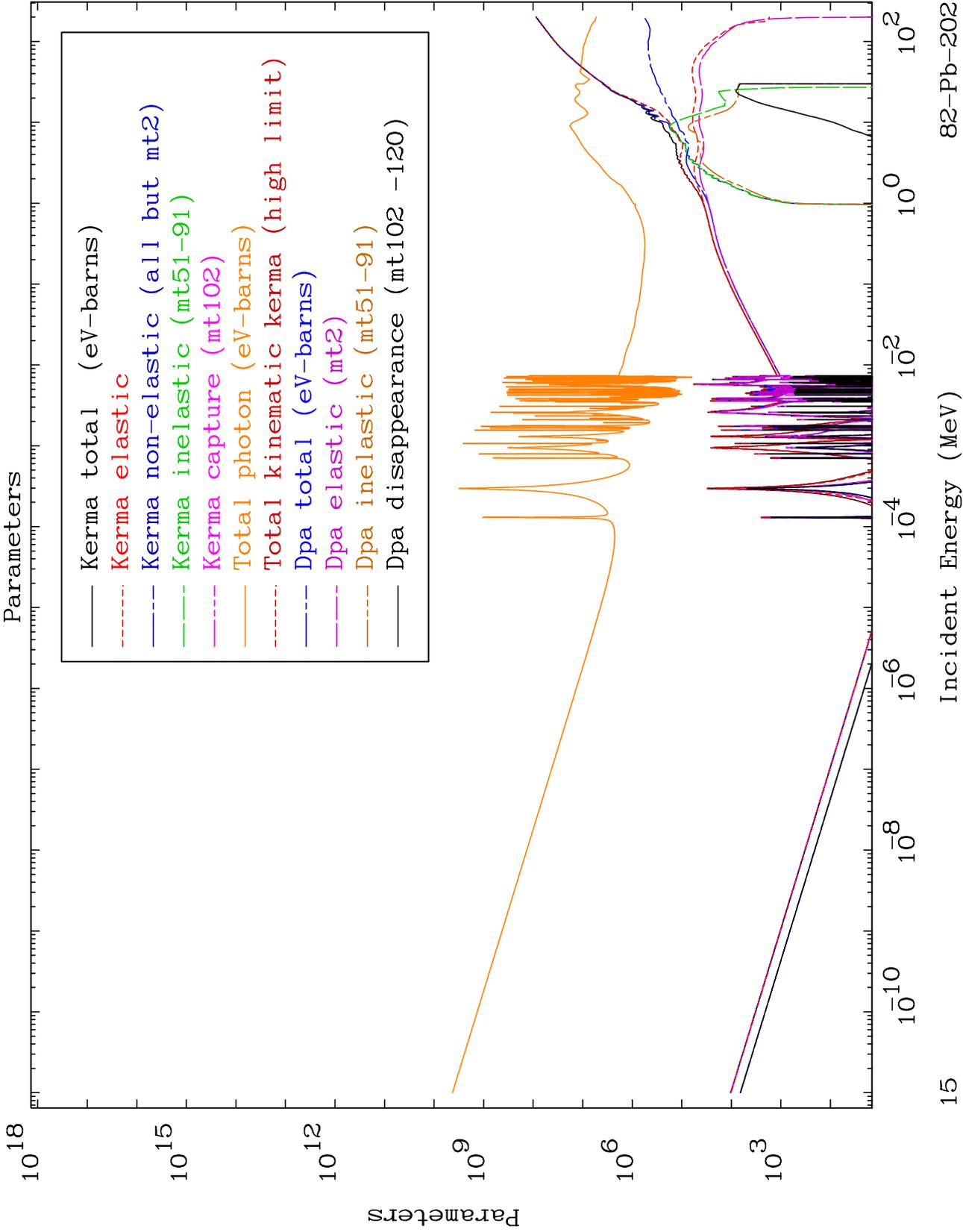


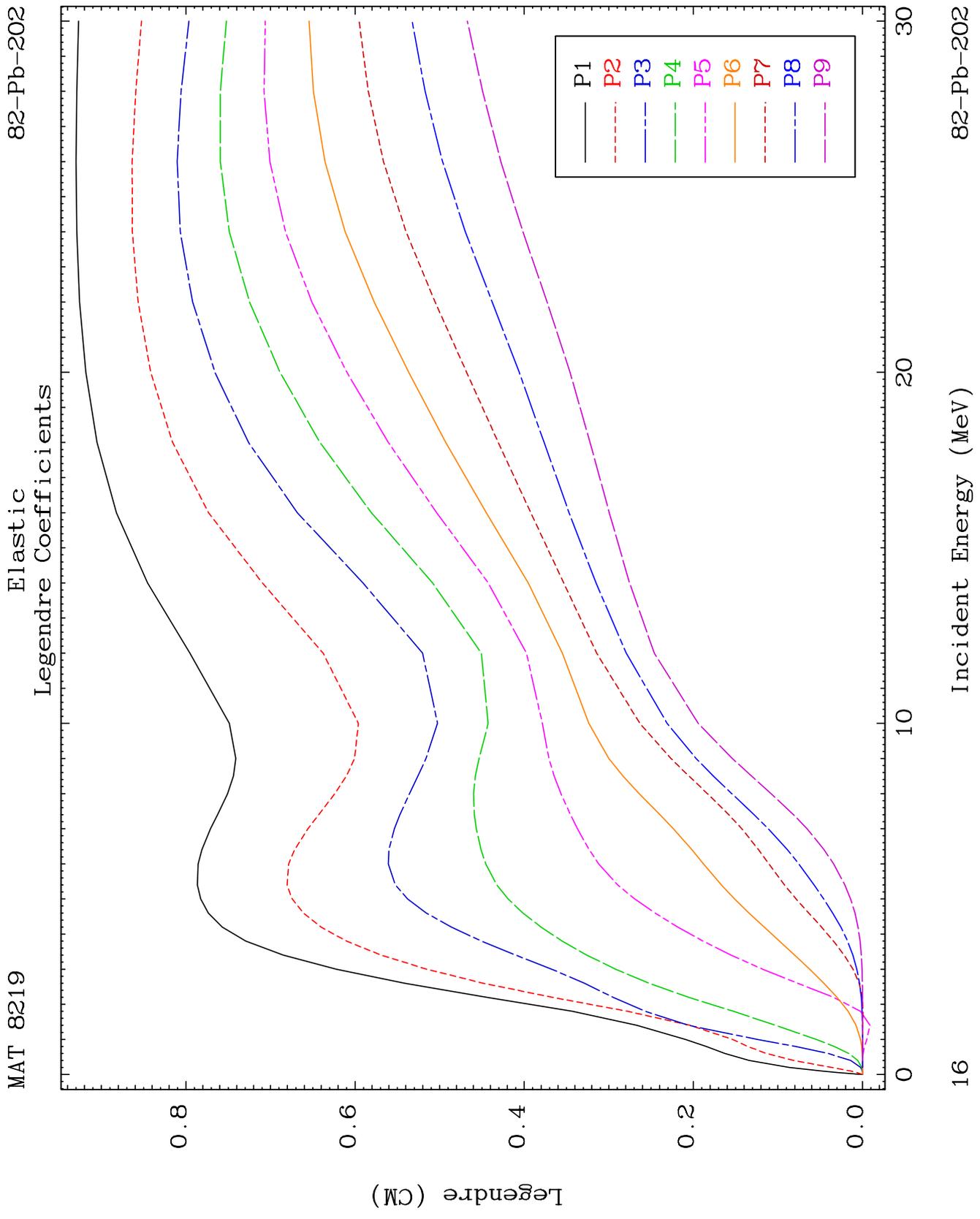
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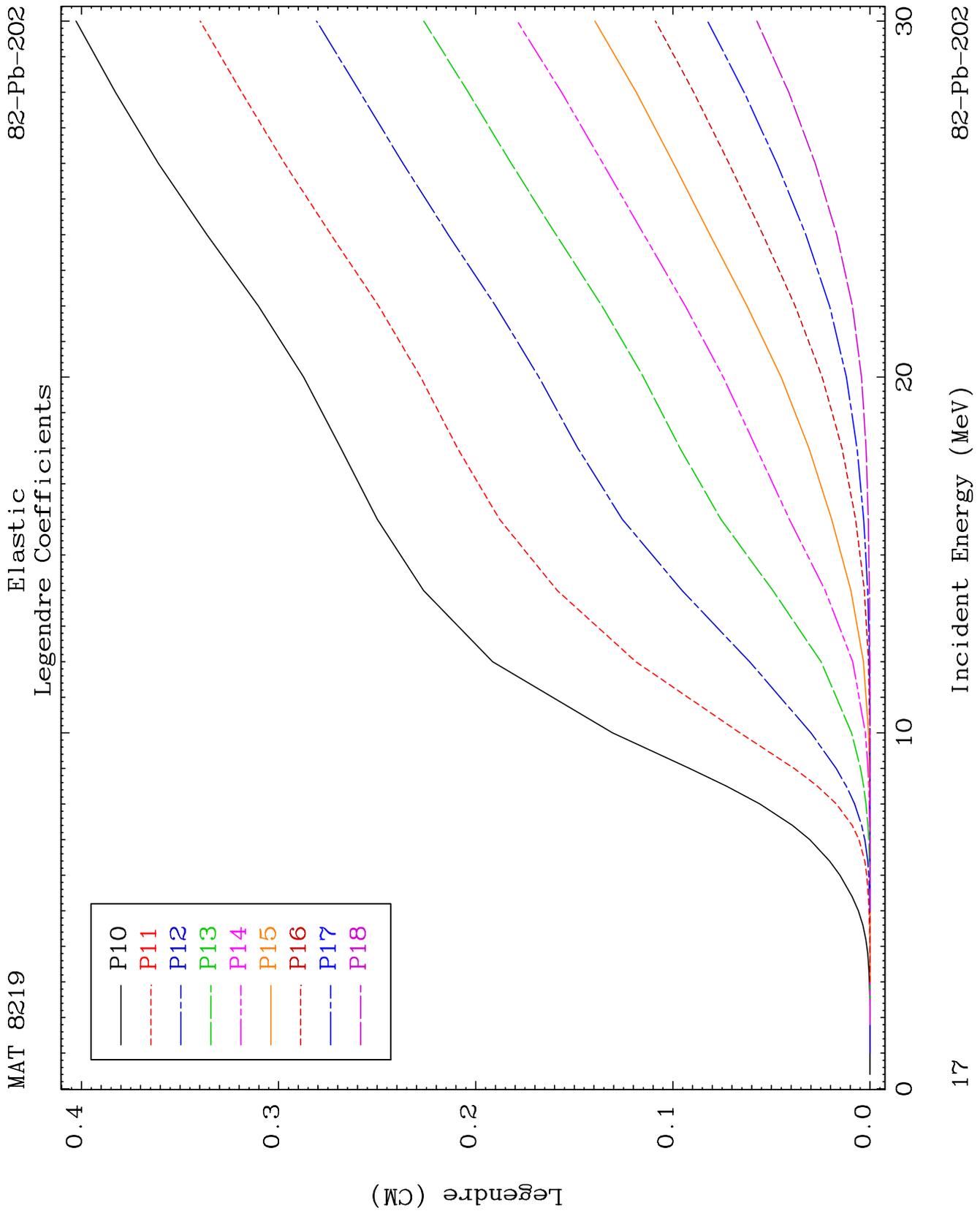
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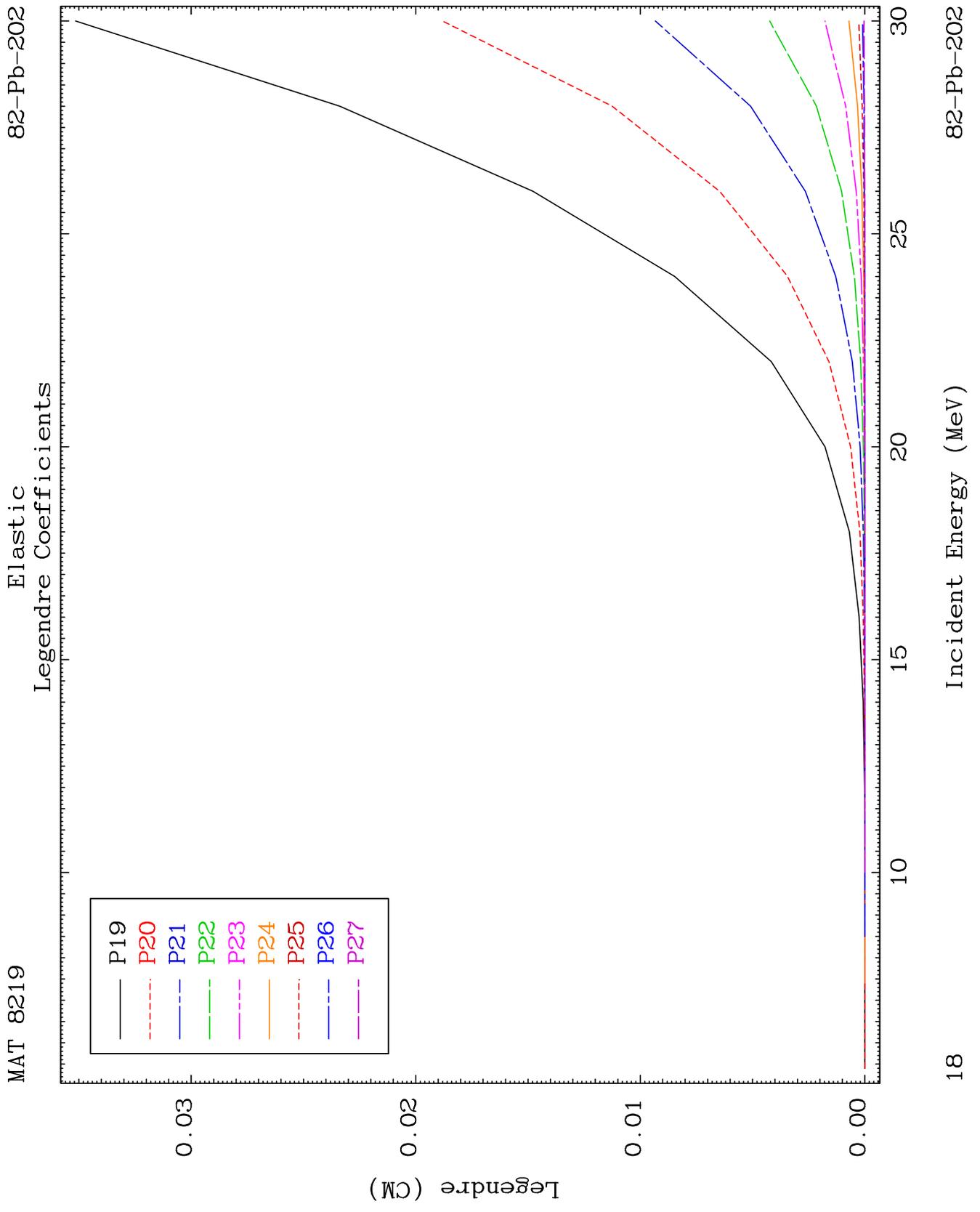
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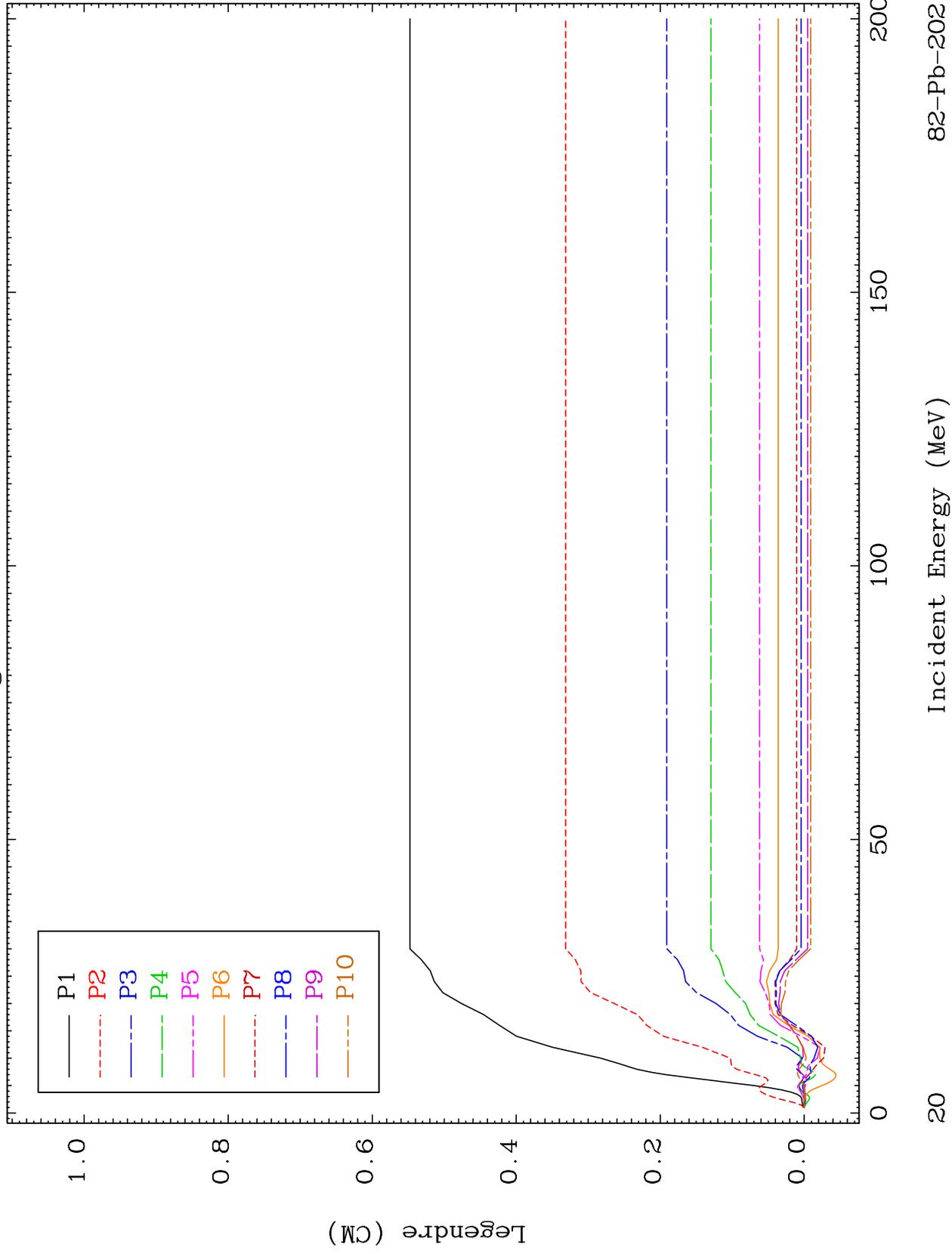




MAT 8219

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

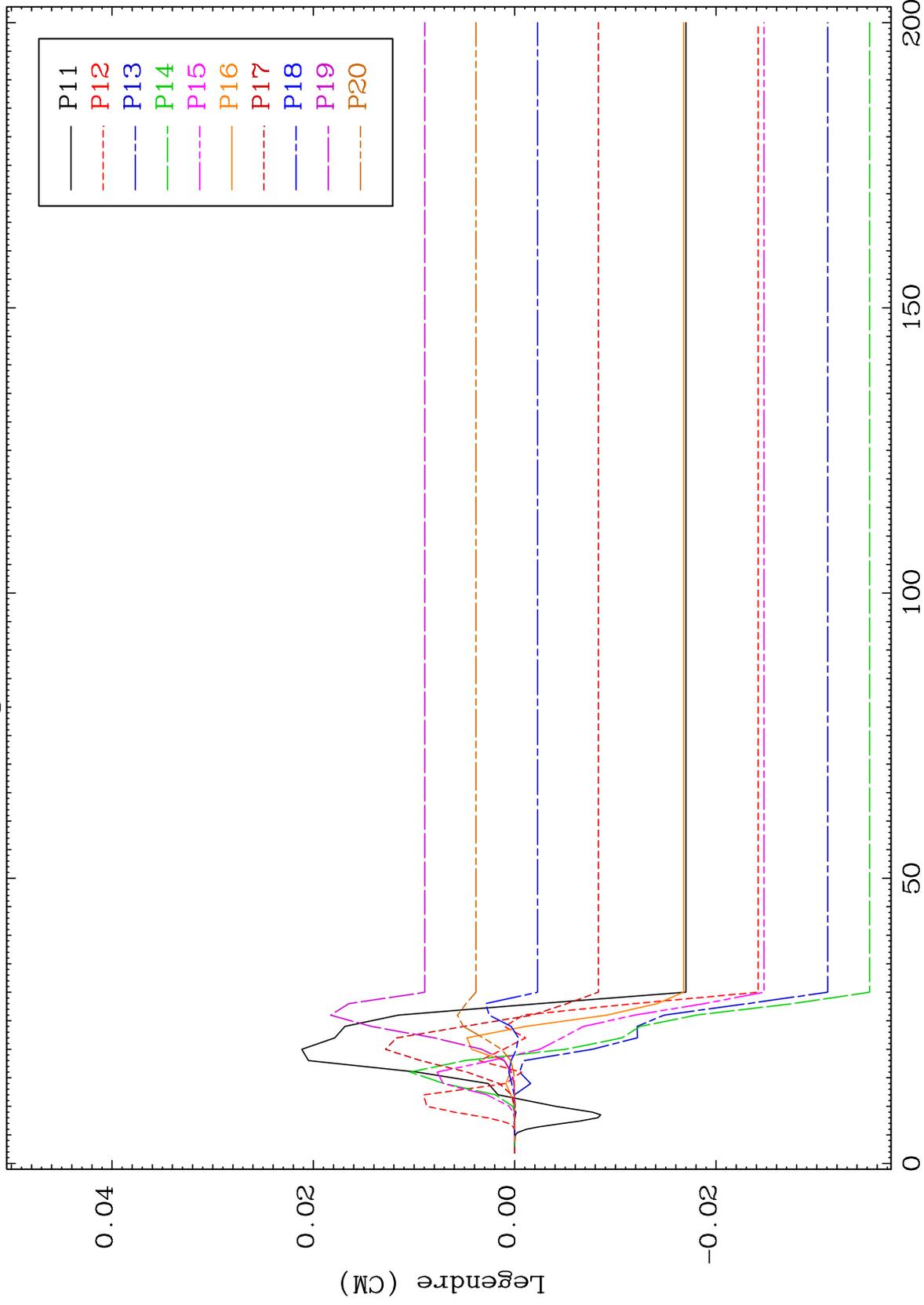
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MAT 8219

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

82-Pb-202



21

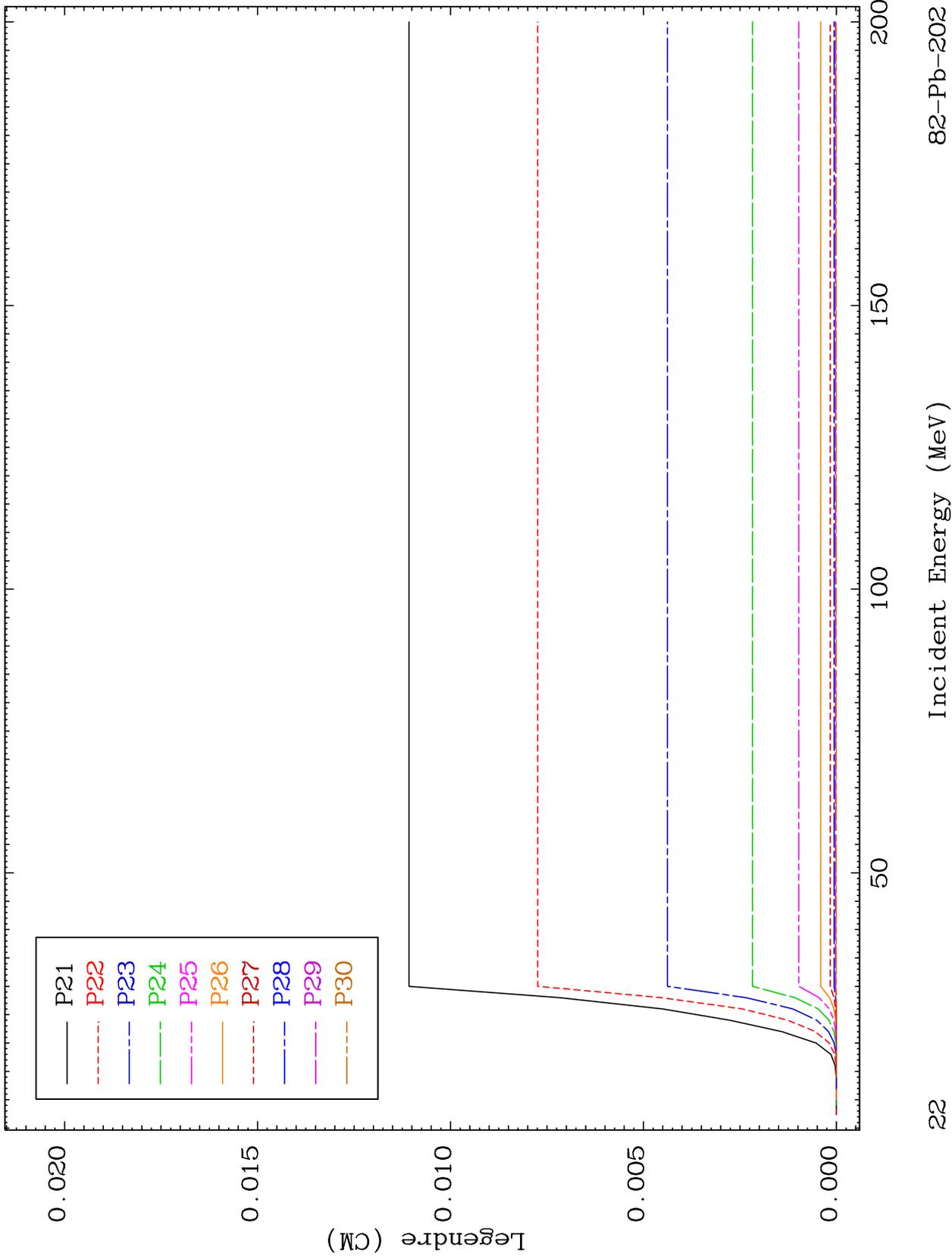
Incident Energy (MeV)

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MAT 8219

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

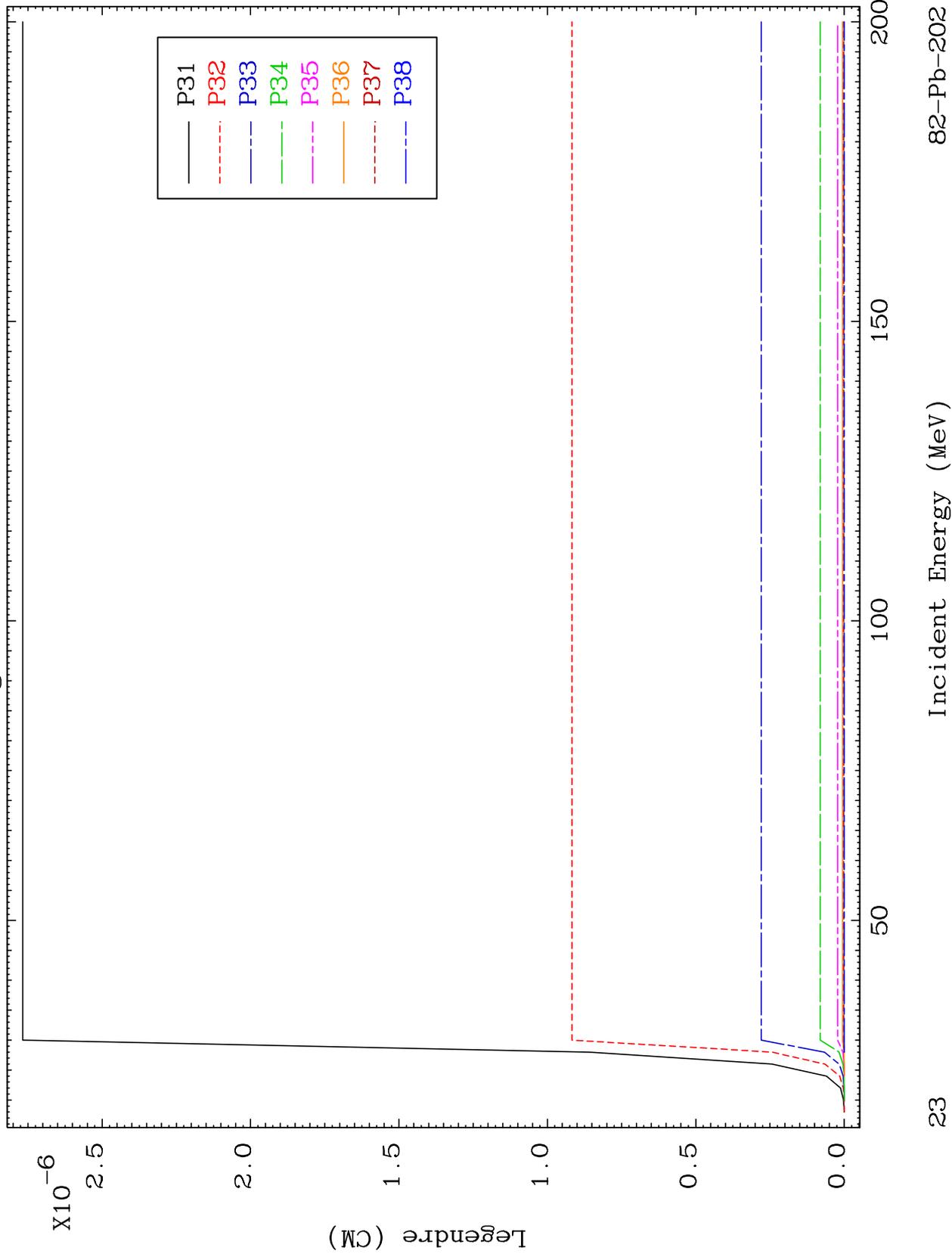
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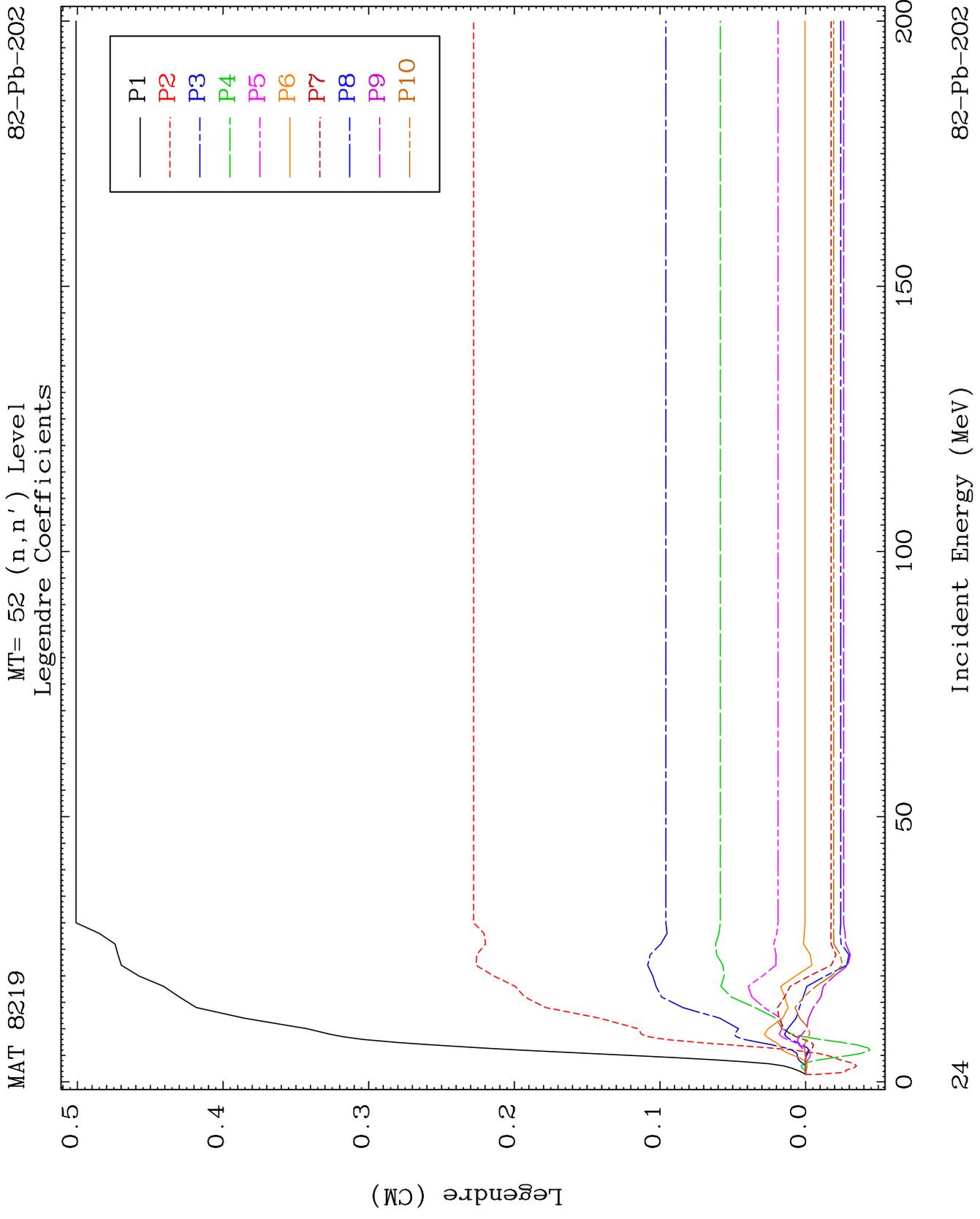
MAT 8219

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

82-Pb-202



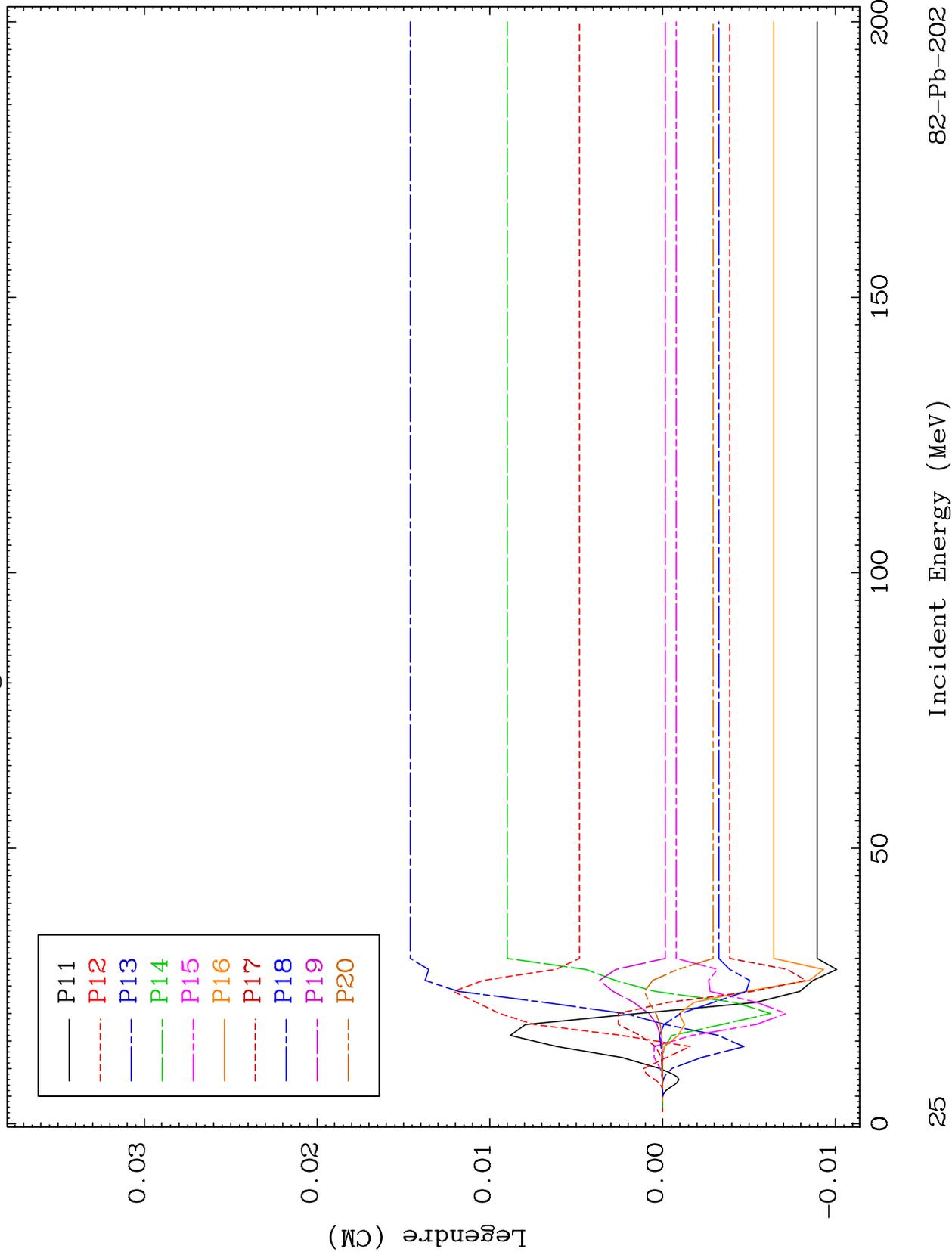
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MAT 8219

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

82-Pb-202



82-Pb-202

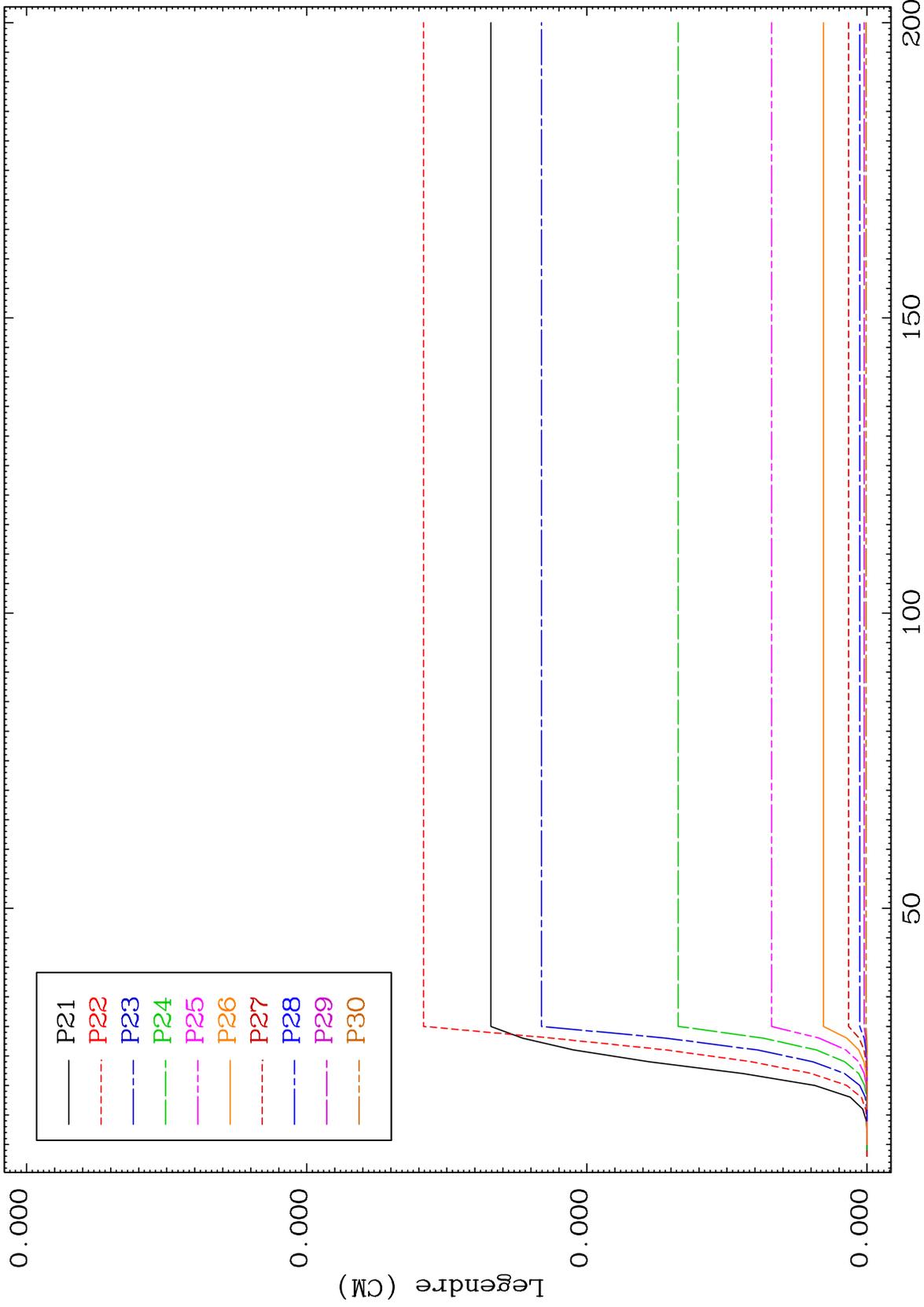
Incident Energy (MeV)

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MAT 8219

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

82-Pb-202



26

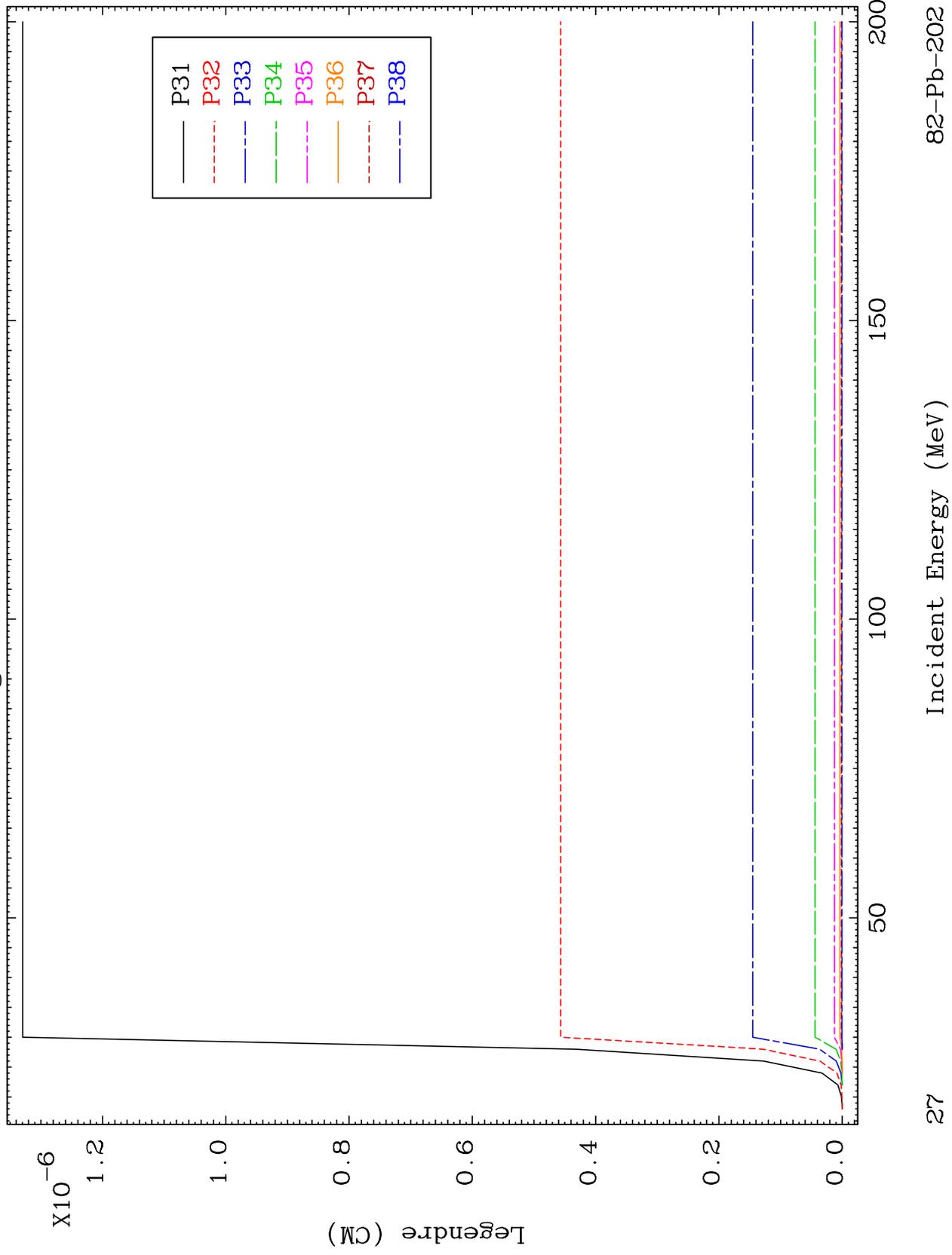
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

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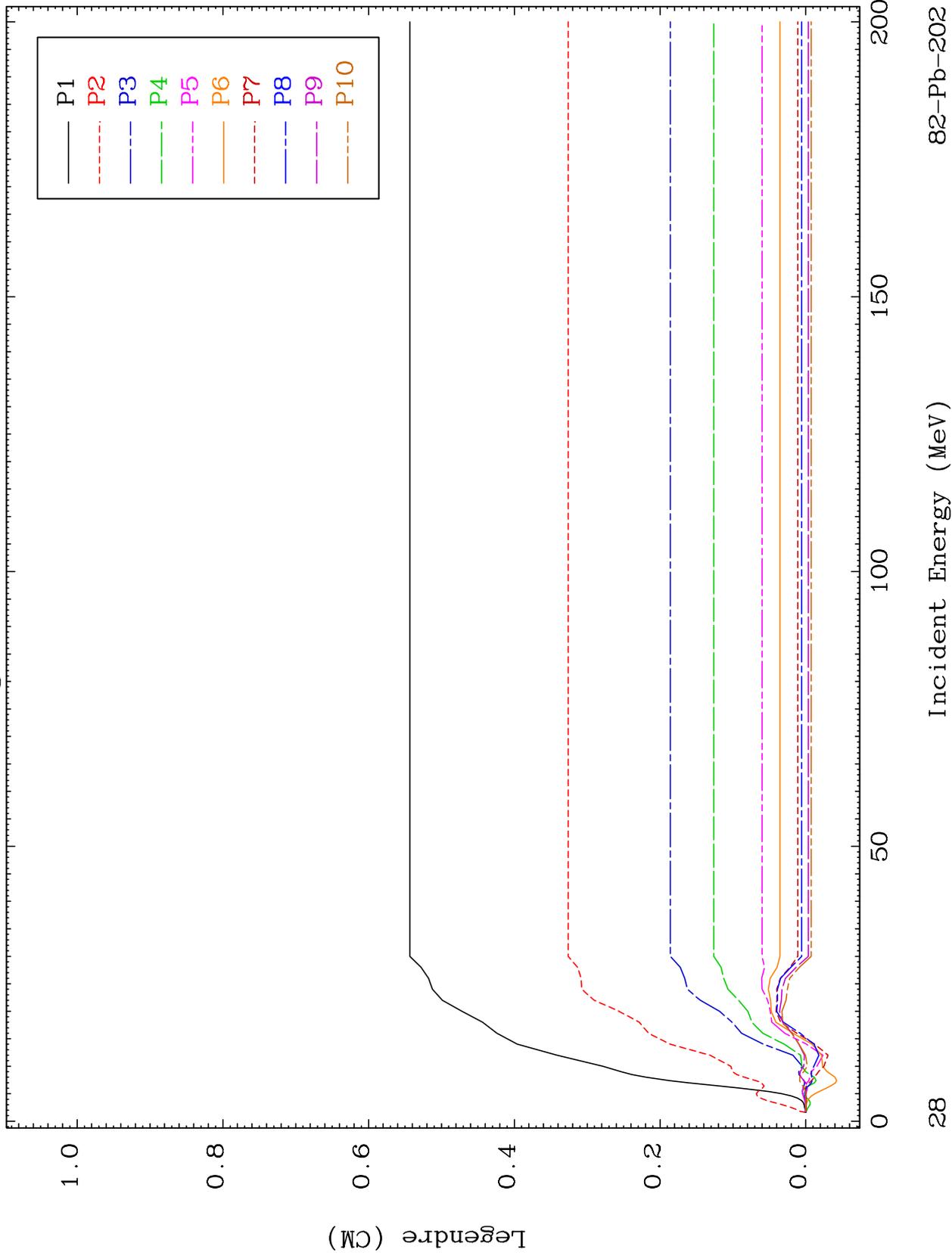


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MAT 8219

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

82-Pb-202



82-Pb-202

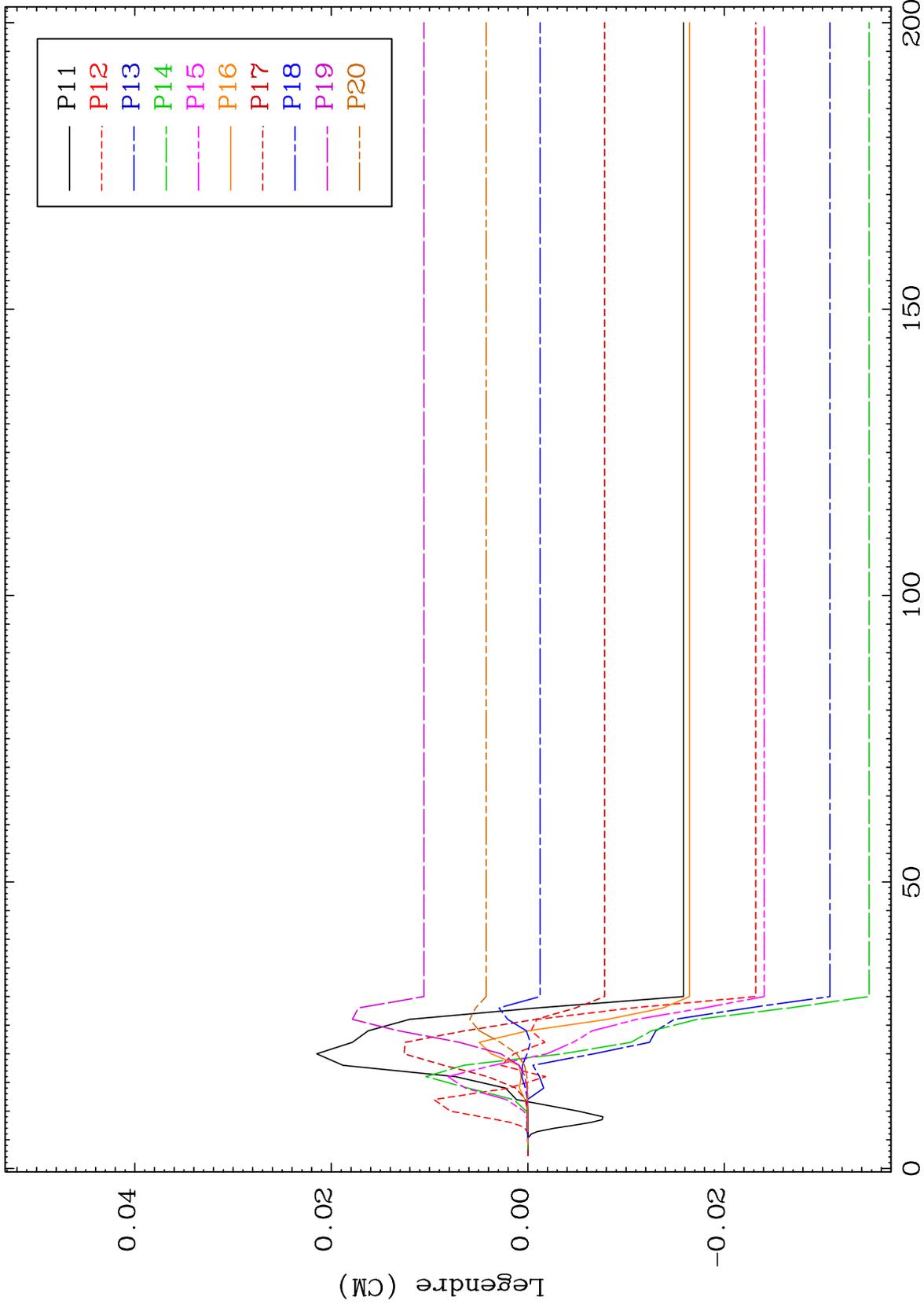
Incident Energy (MeV)

28

MAT 8219

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

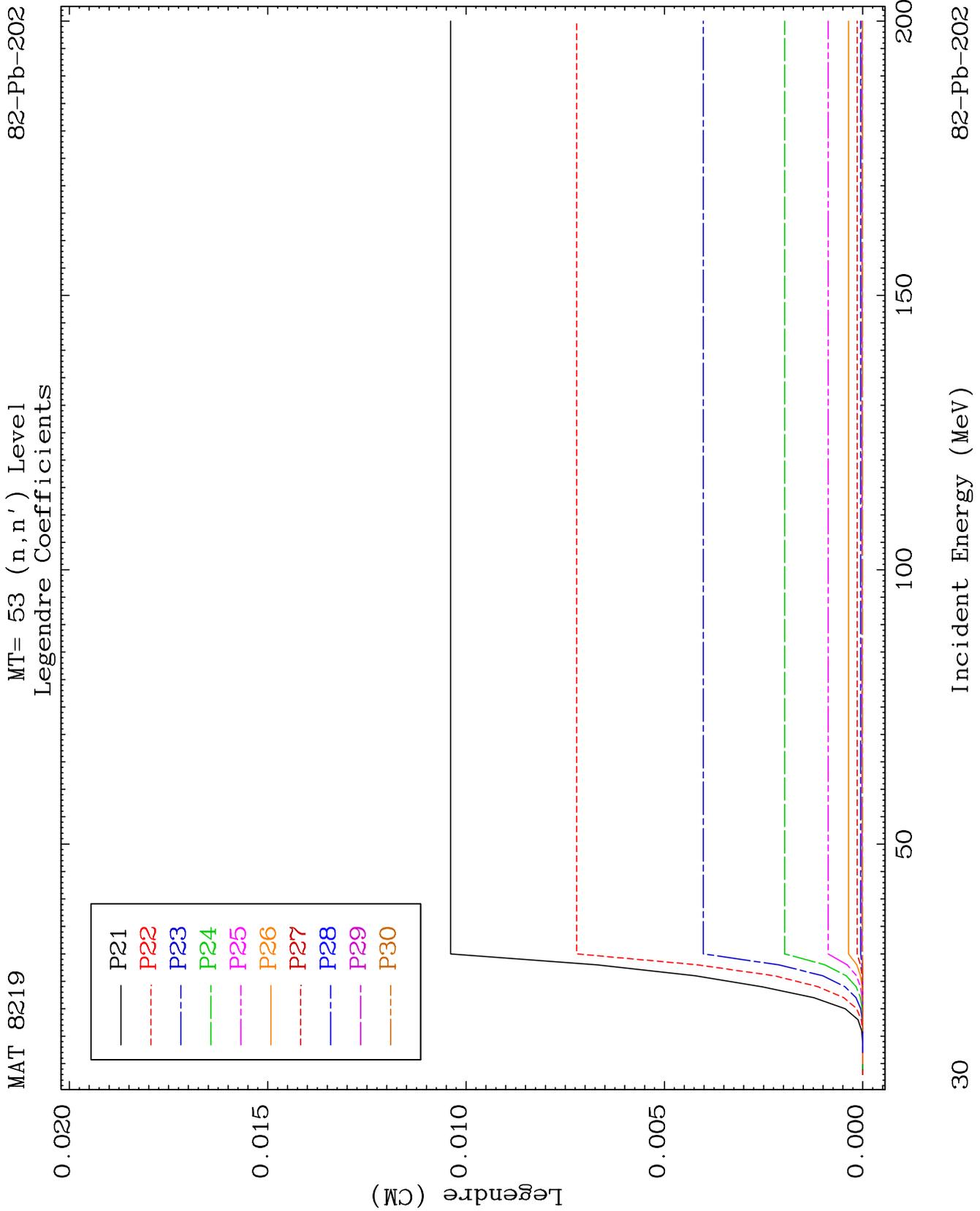
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29

Incident Energy (MeV)

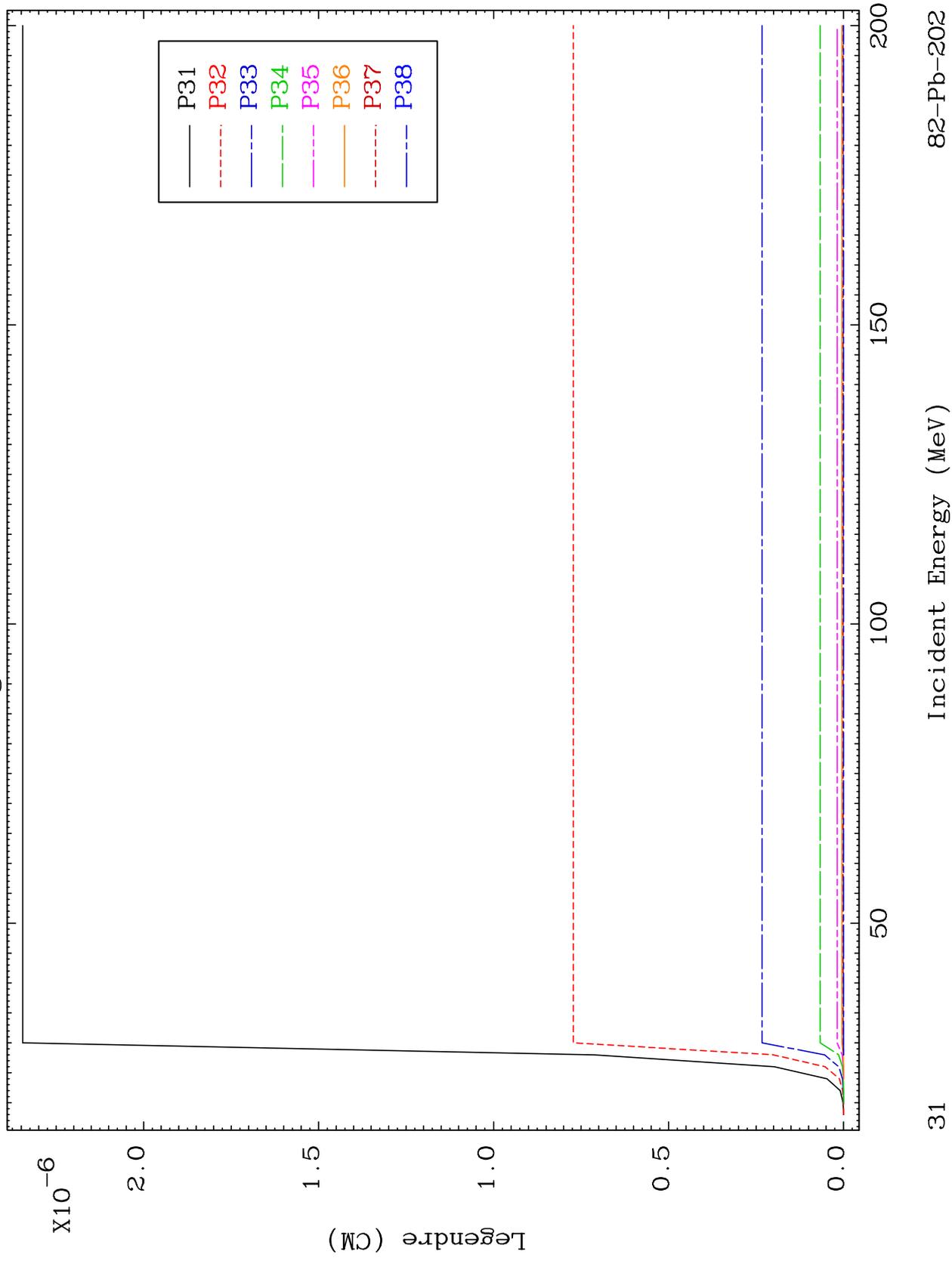
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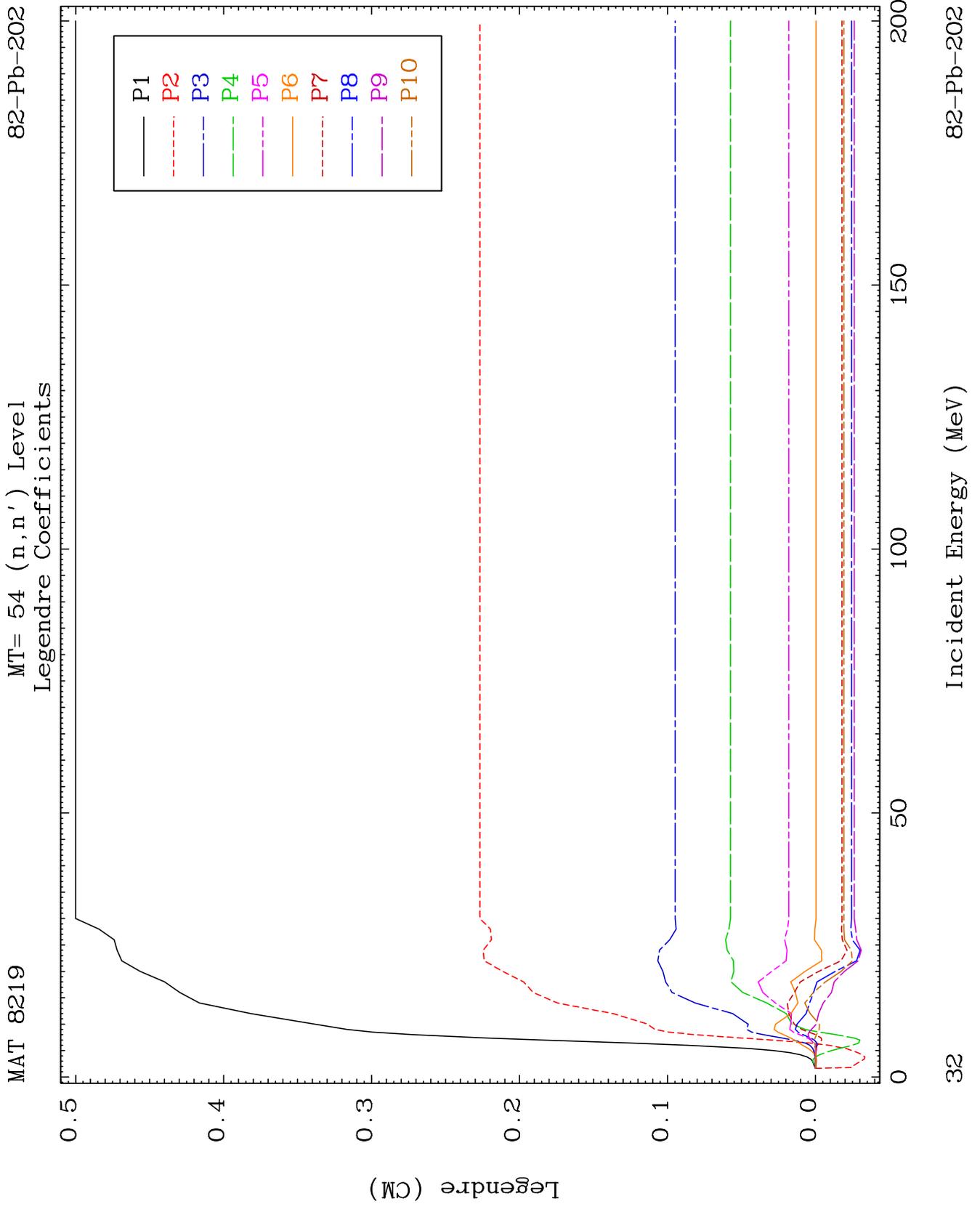
MAT 8219

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

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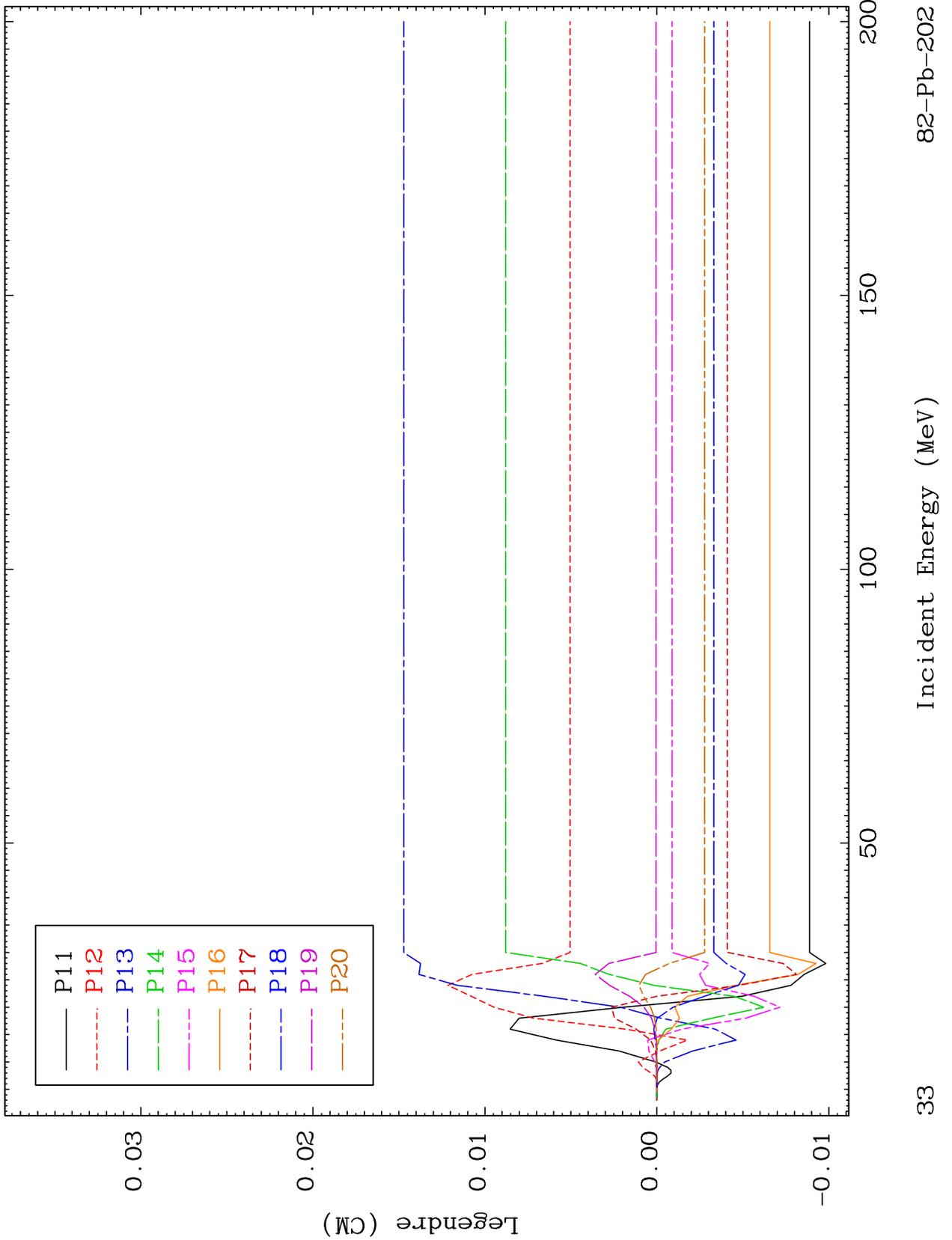
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MAT 8219

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

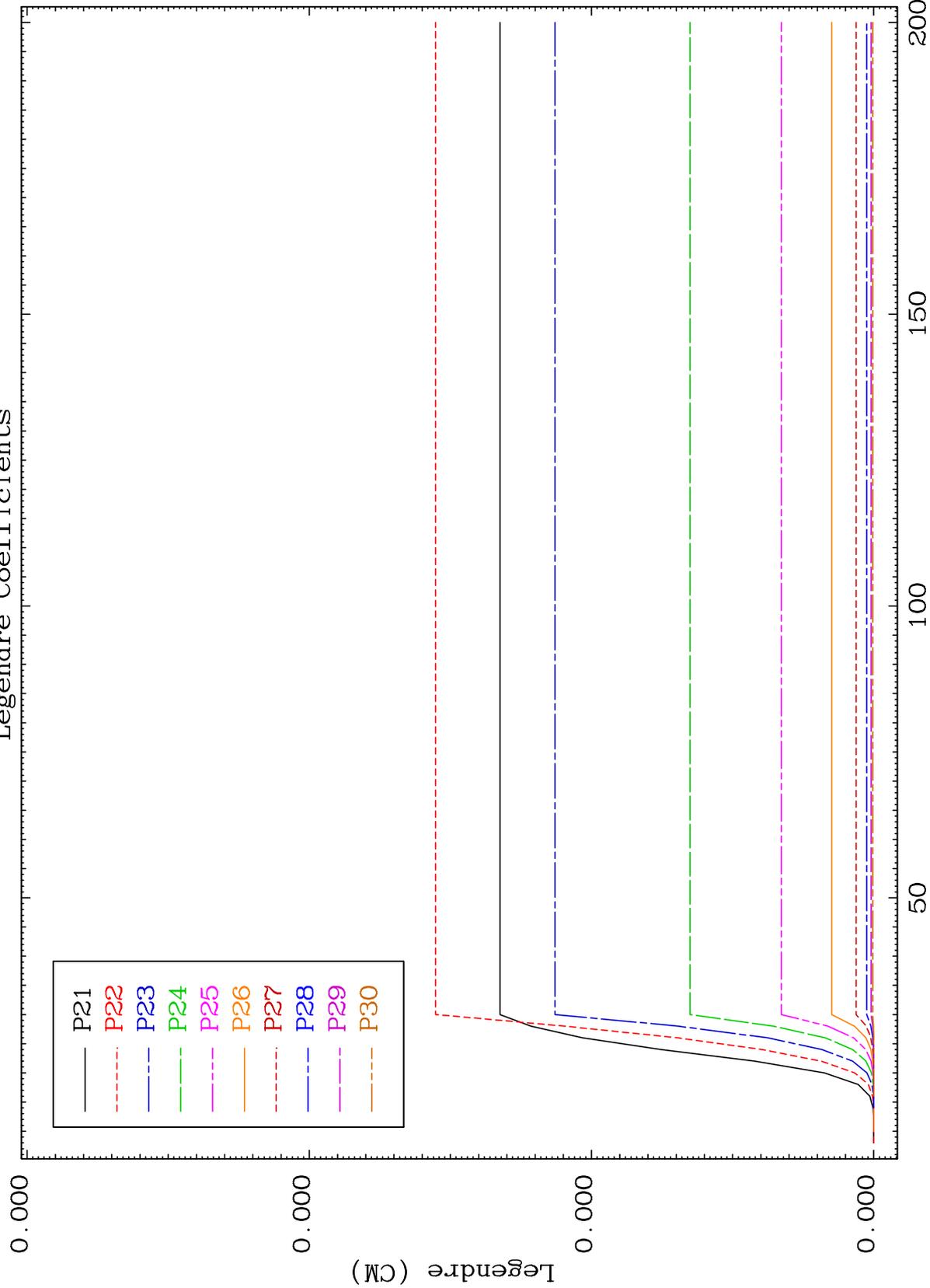
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MAT 8219

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

82-Pb-202



34

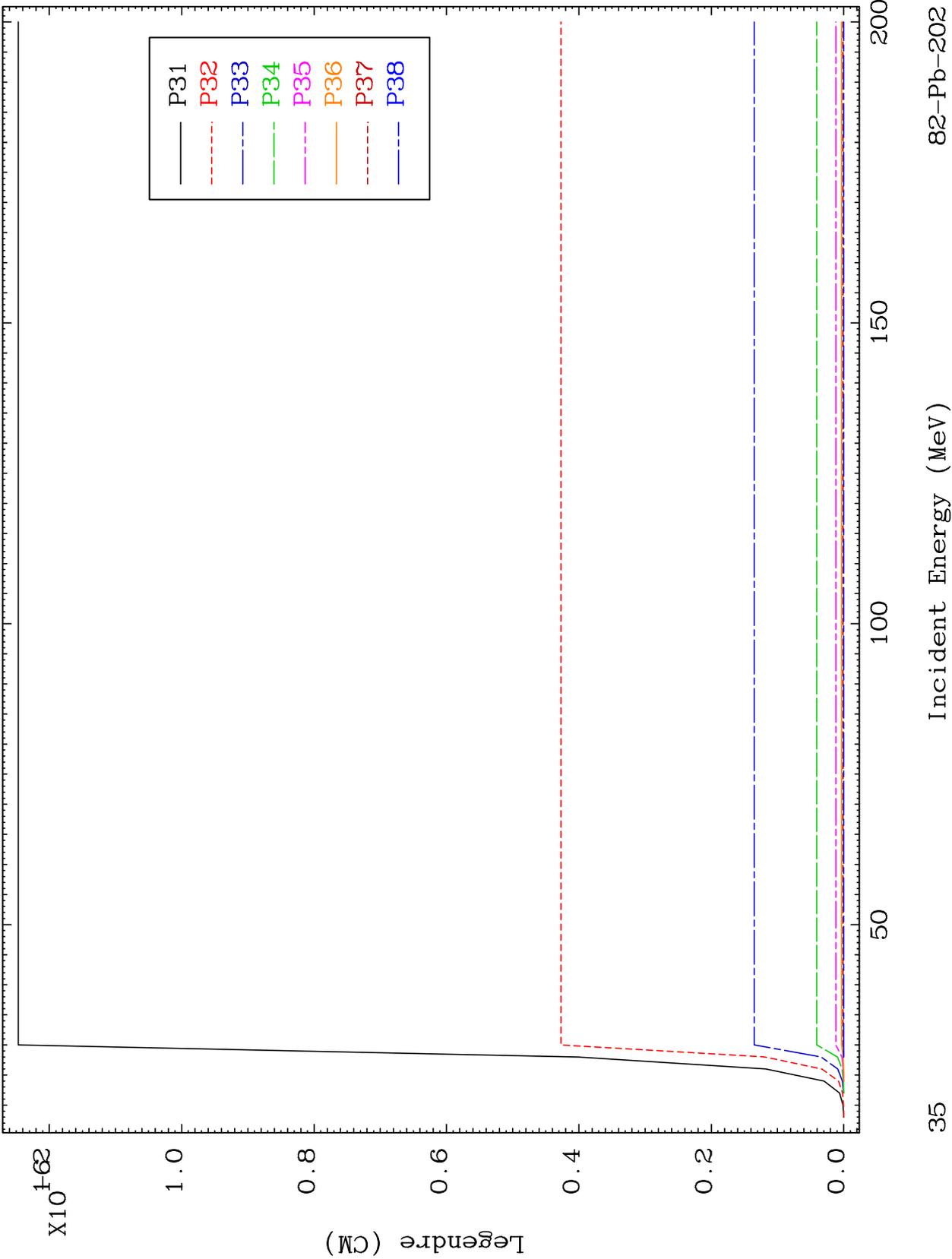
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



35

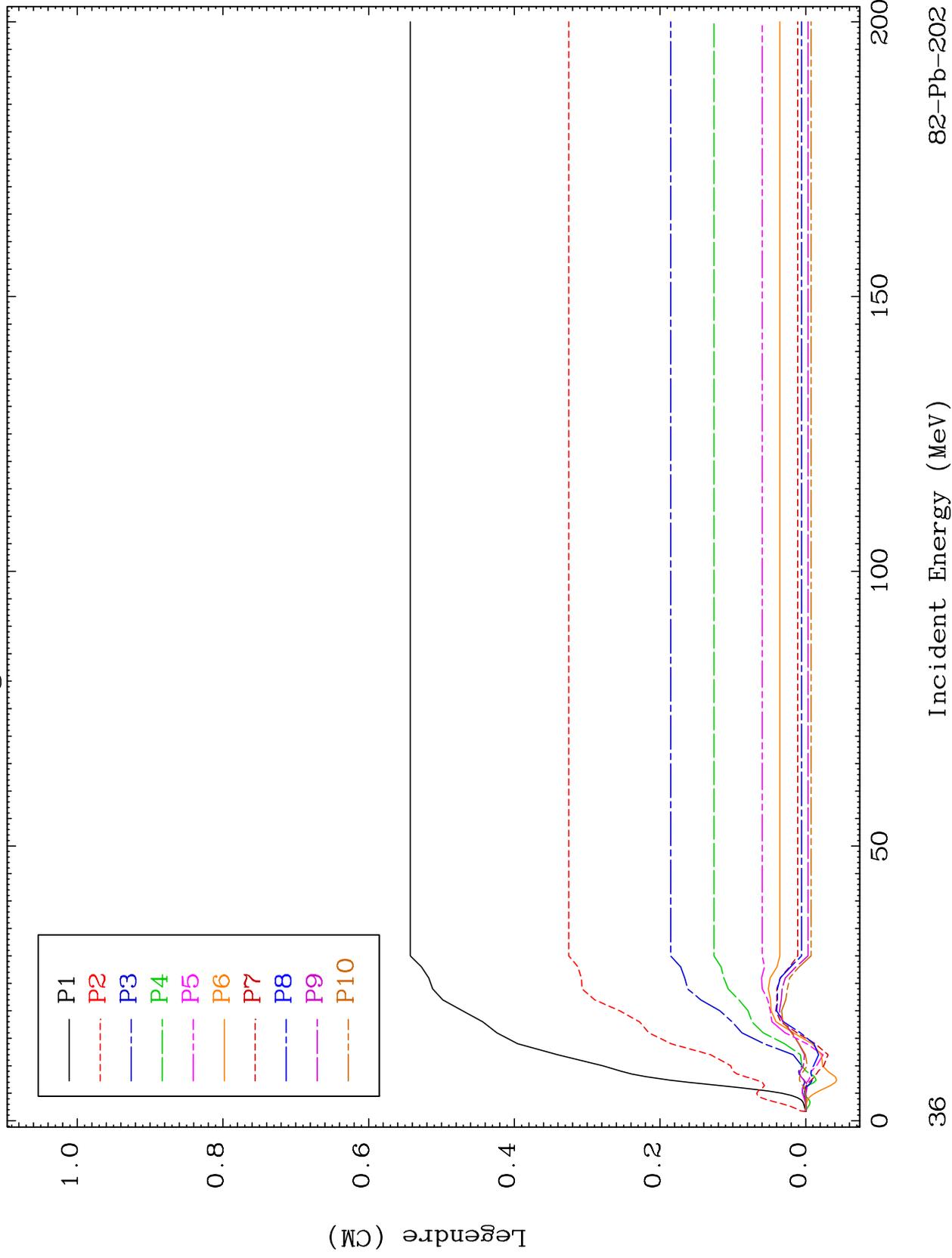
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

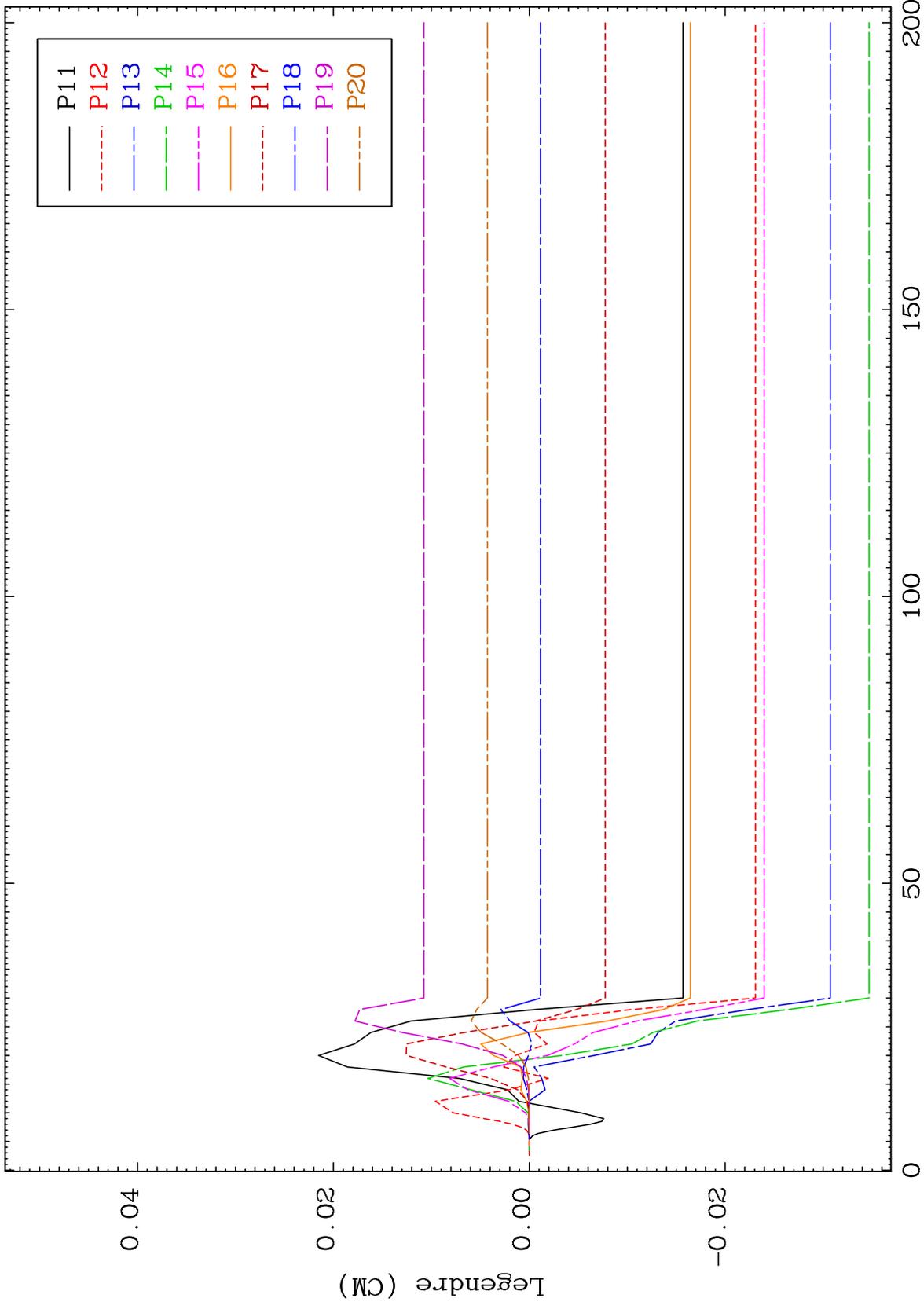
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MAT 8219

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

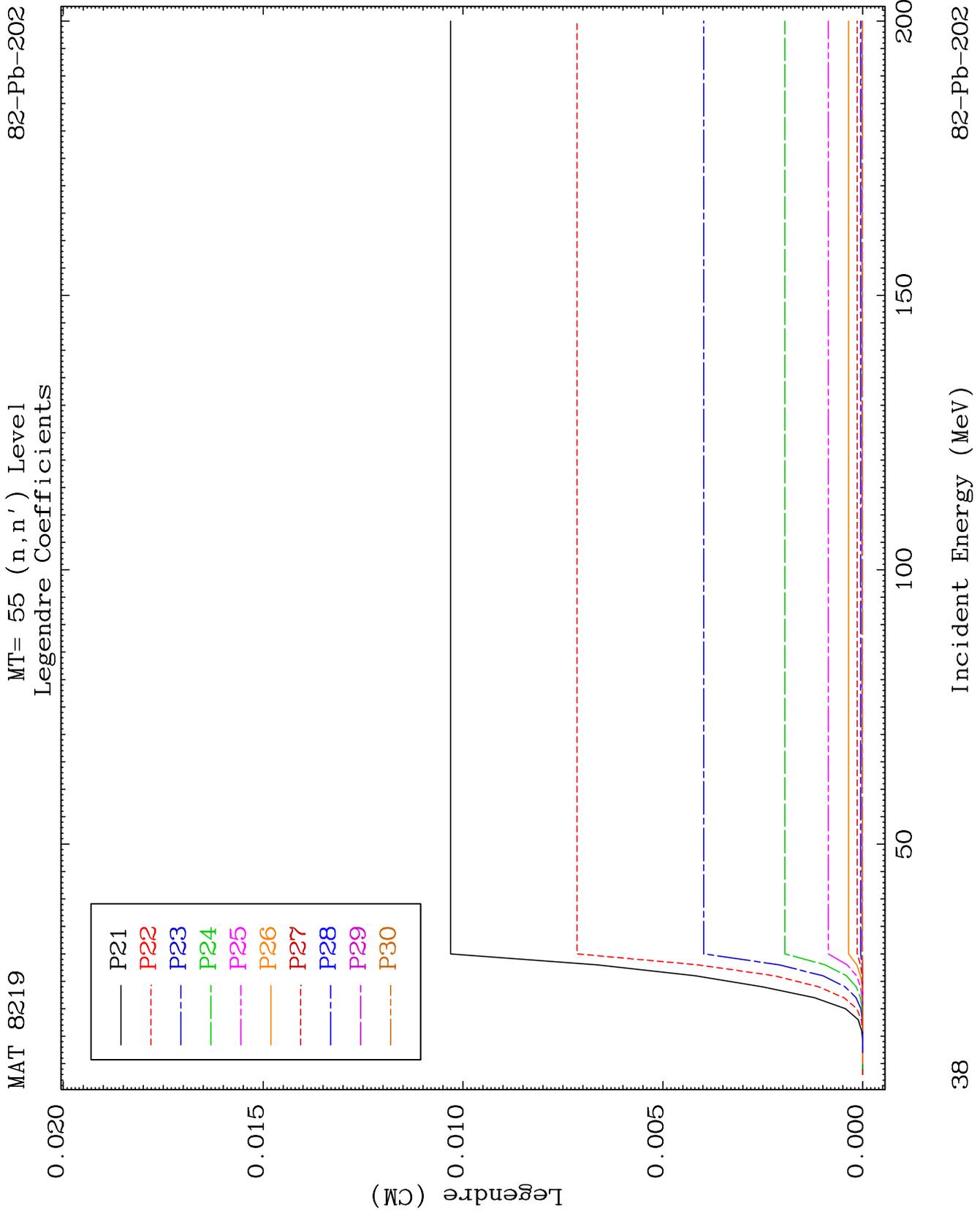
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37

Incident Energy (MeV)

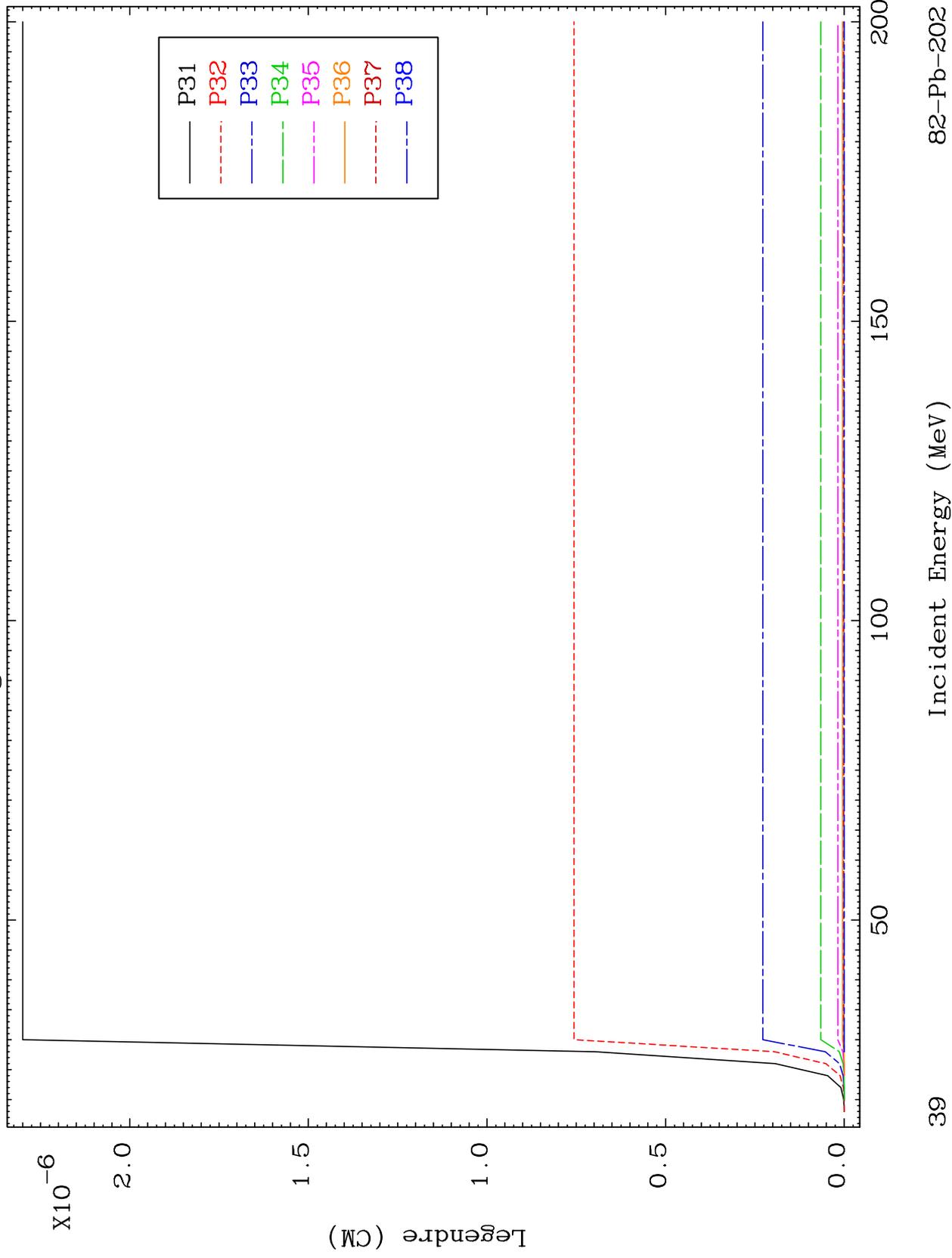
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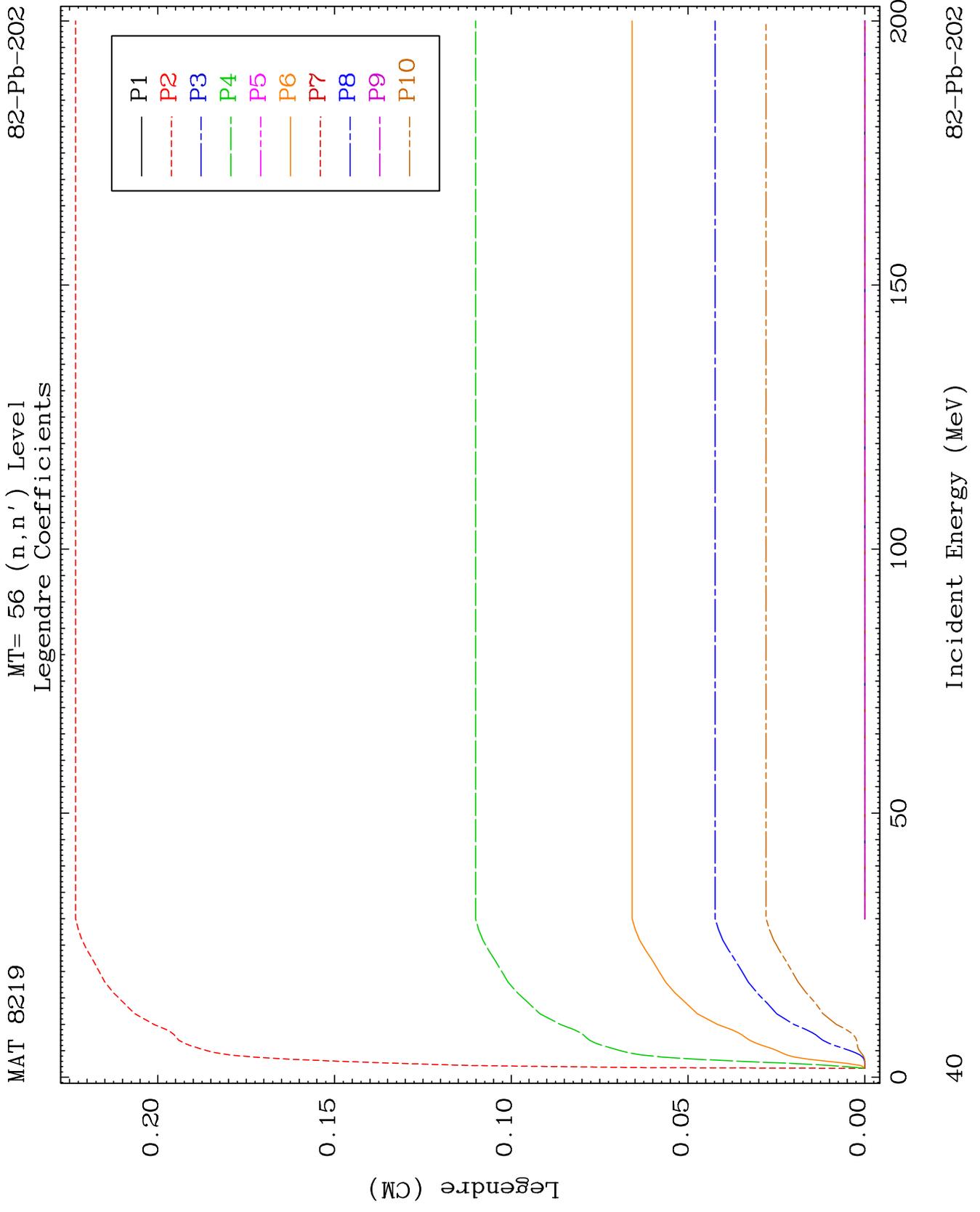
MT= 55 (n,n') Level
Legendre Coefficients

82-Pb-202



39

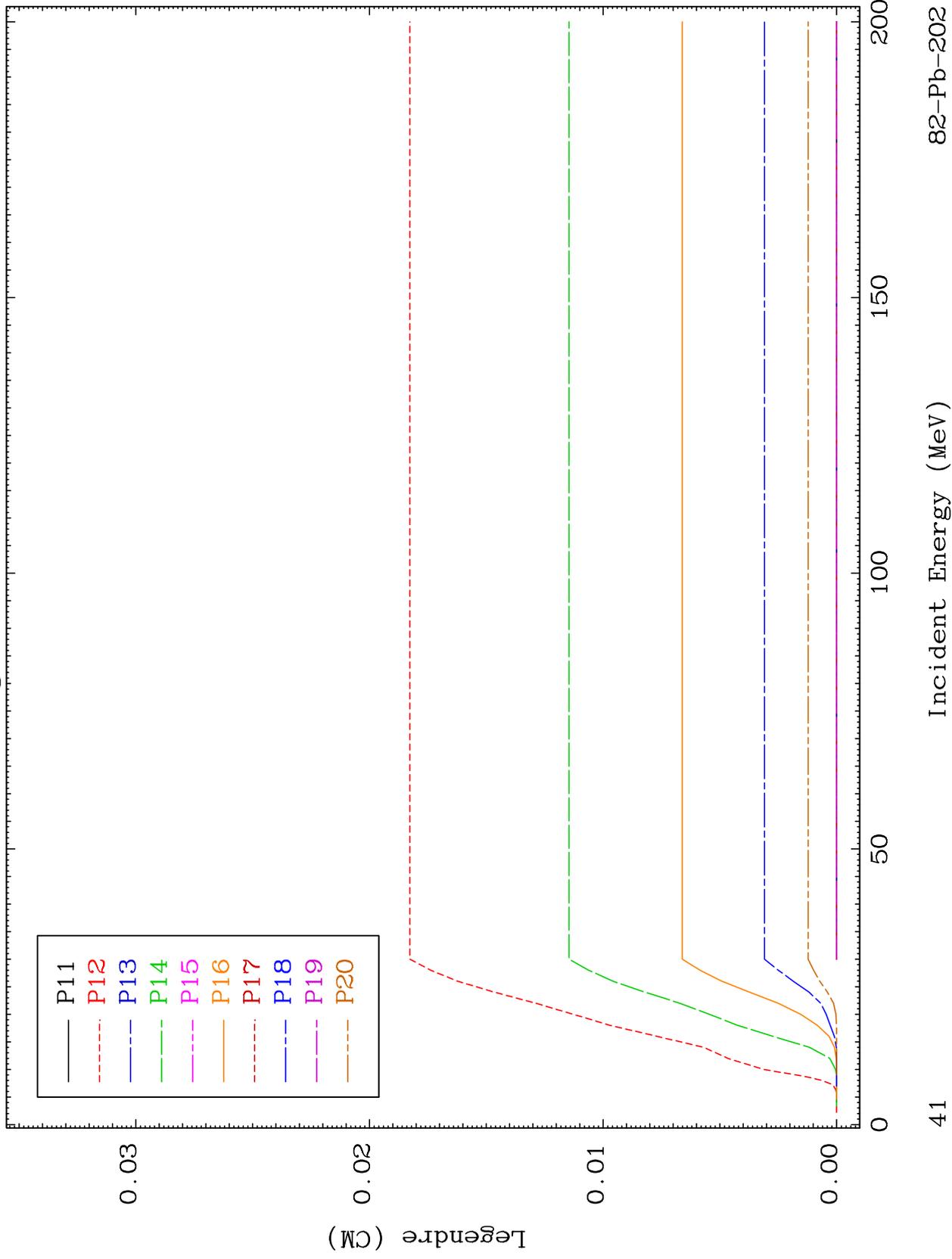
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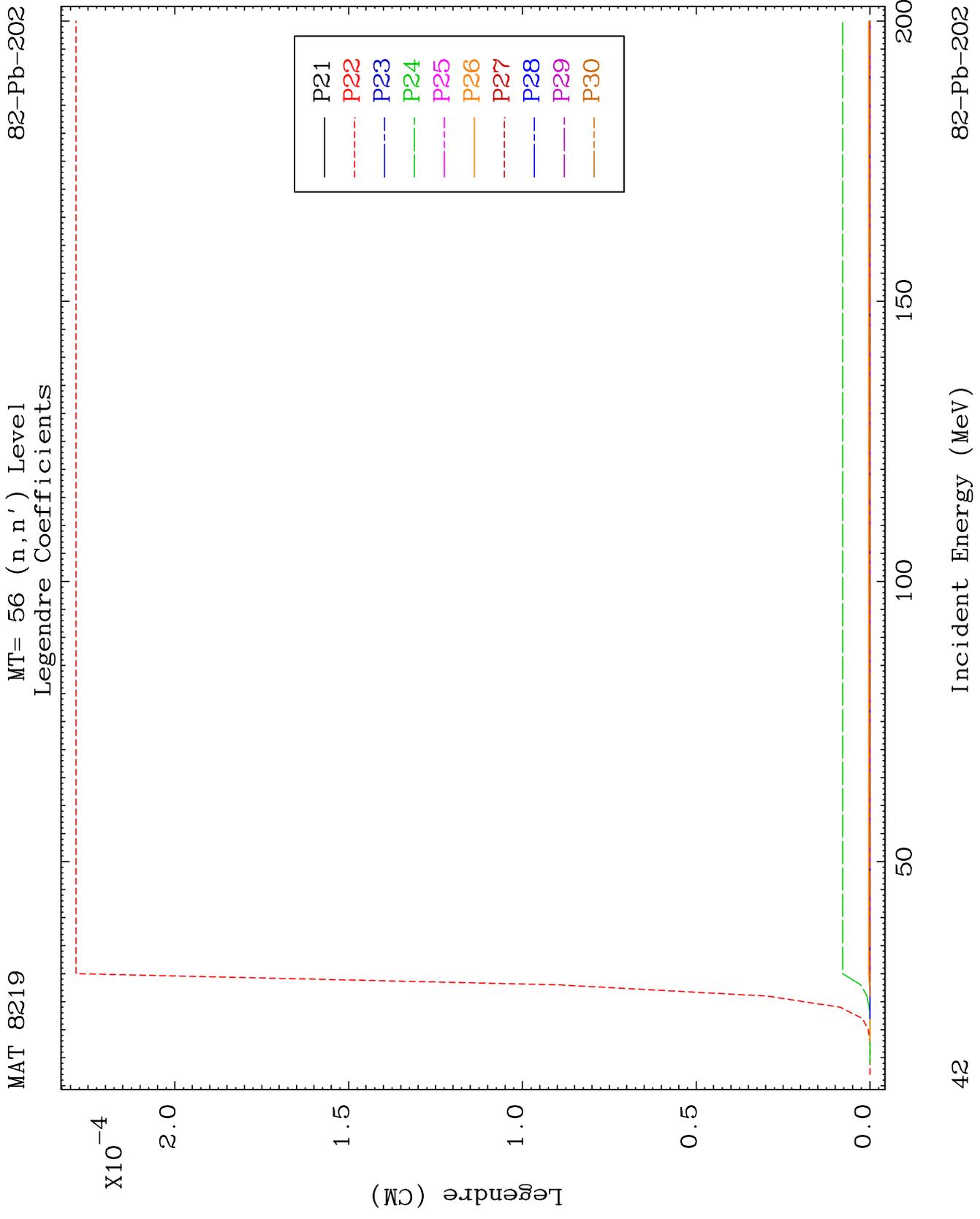
MAT 8219

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

82-Pb-202



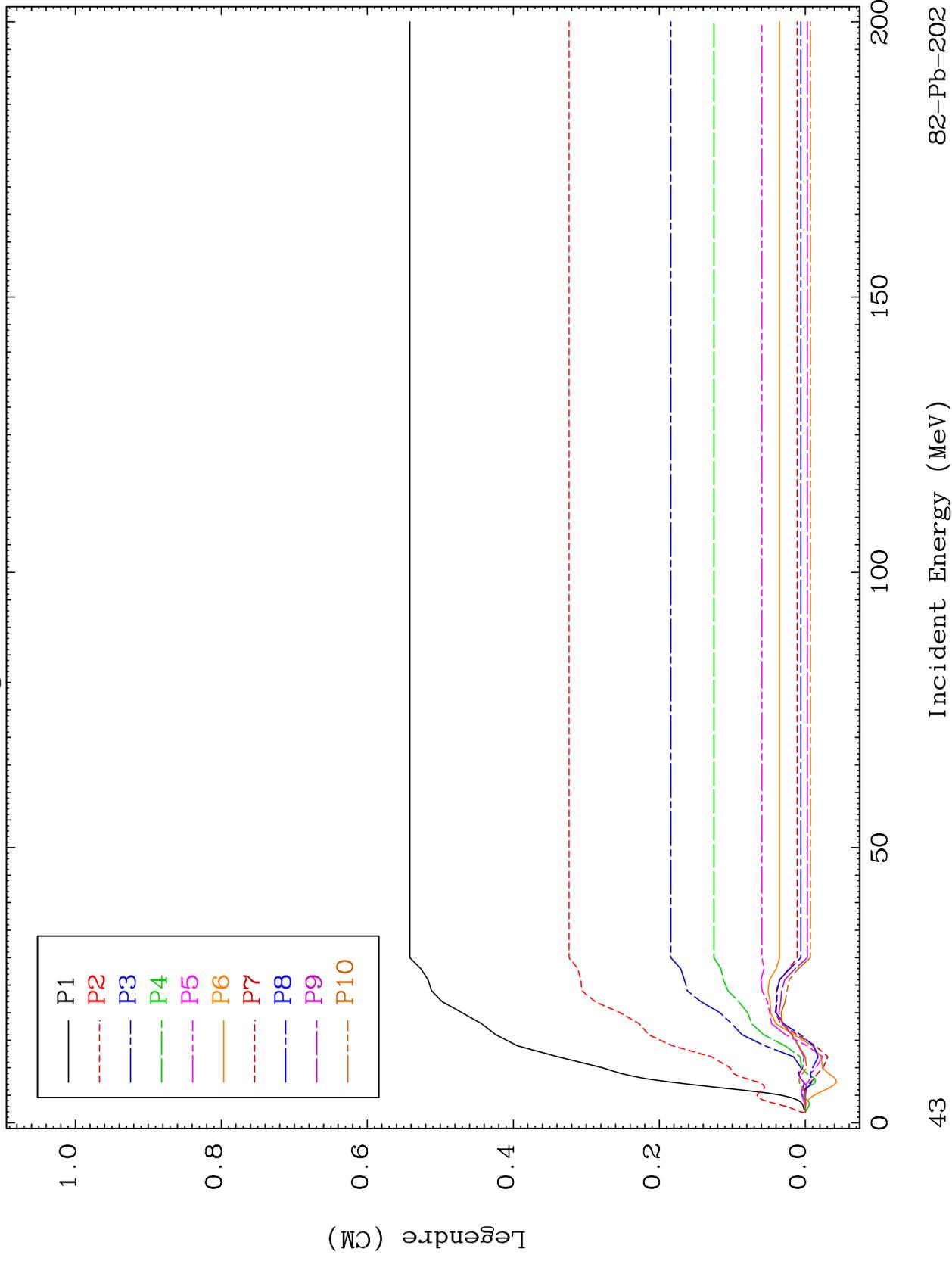
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MAT 8219

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

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43

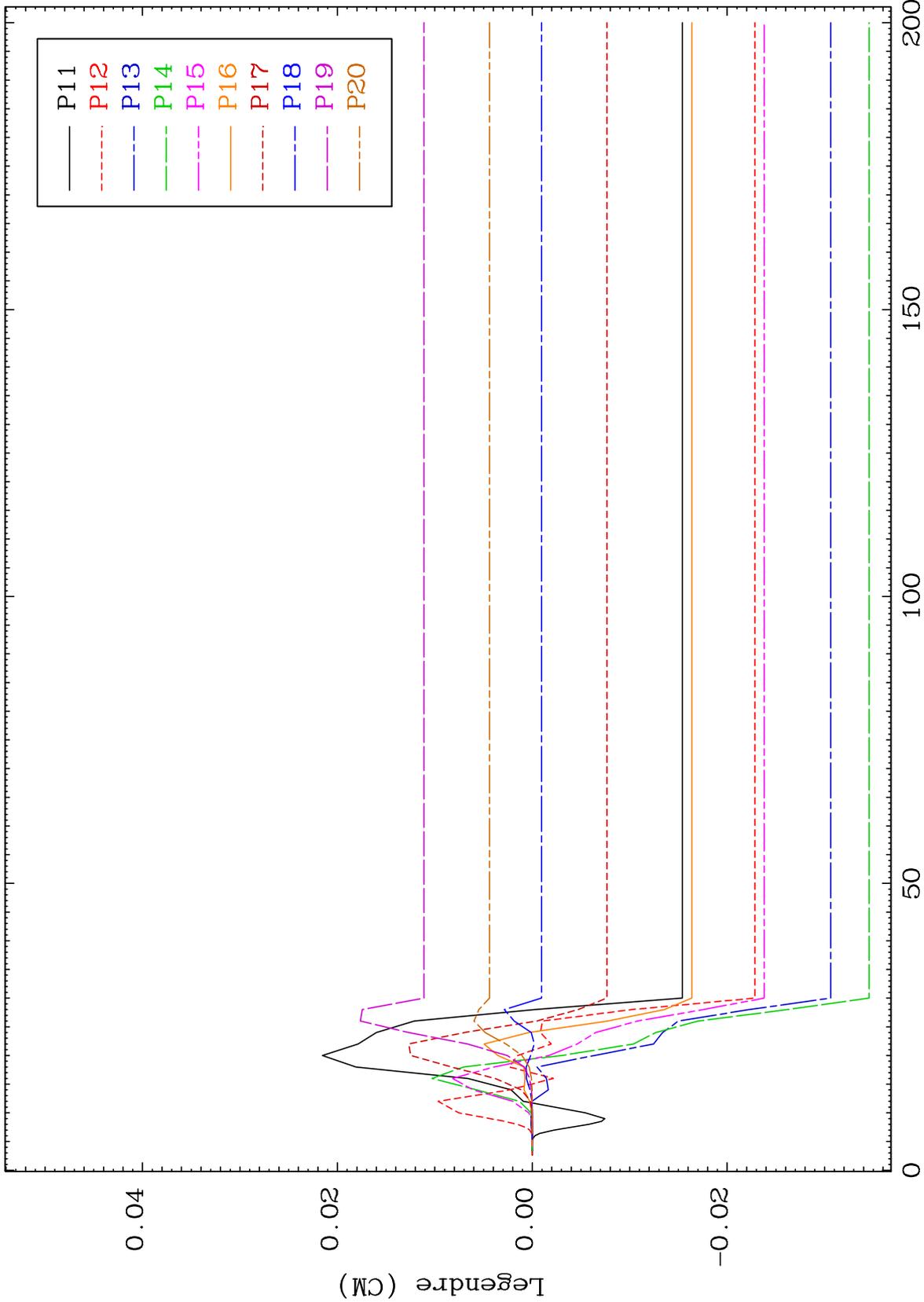
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



44

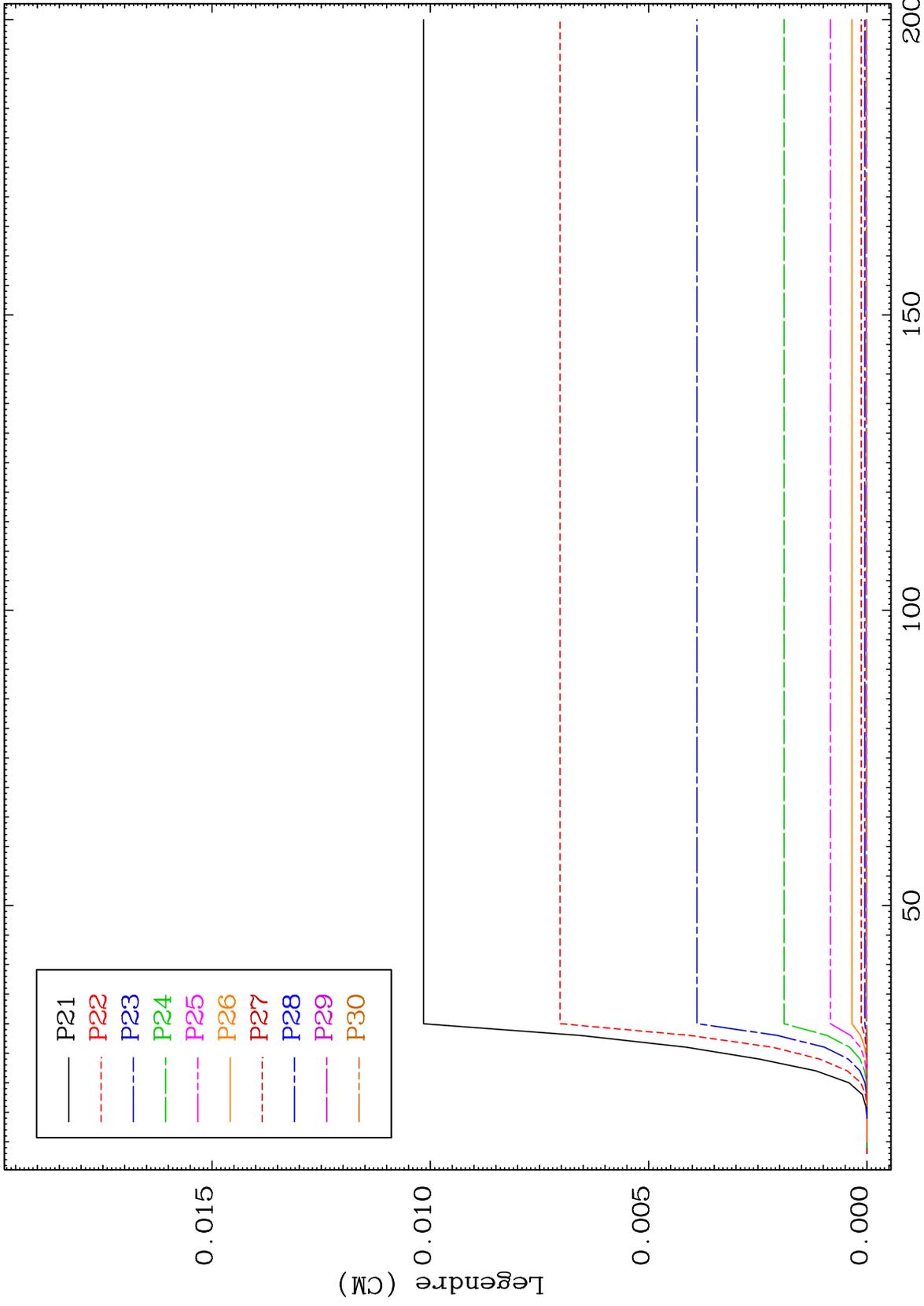
Incident Energy (MeV)

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MAT 8219

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

82-Pb-202



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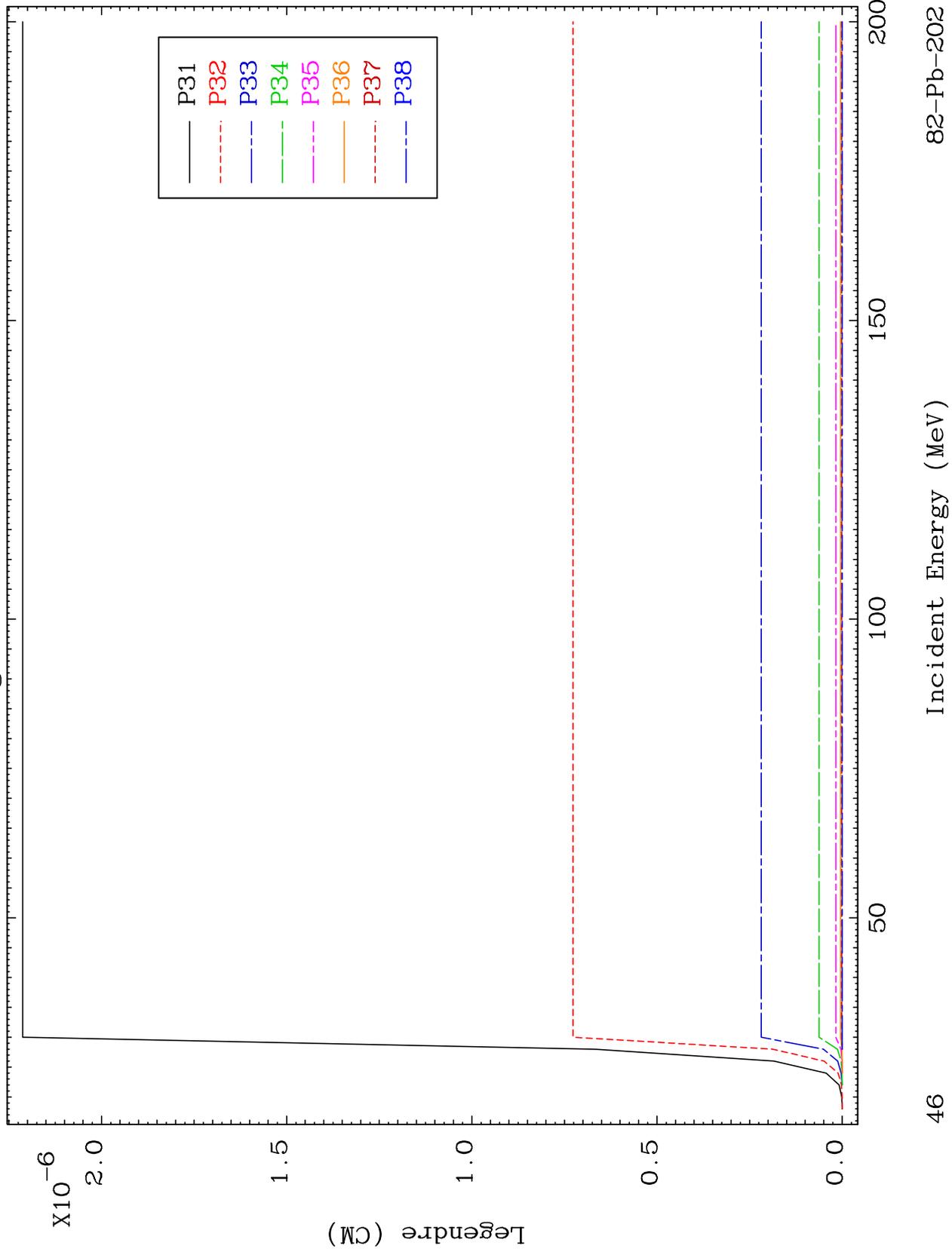
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MAT 8219

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

82-Pb-202



46

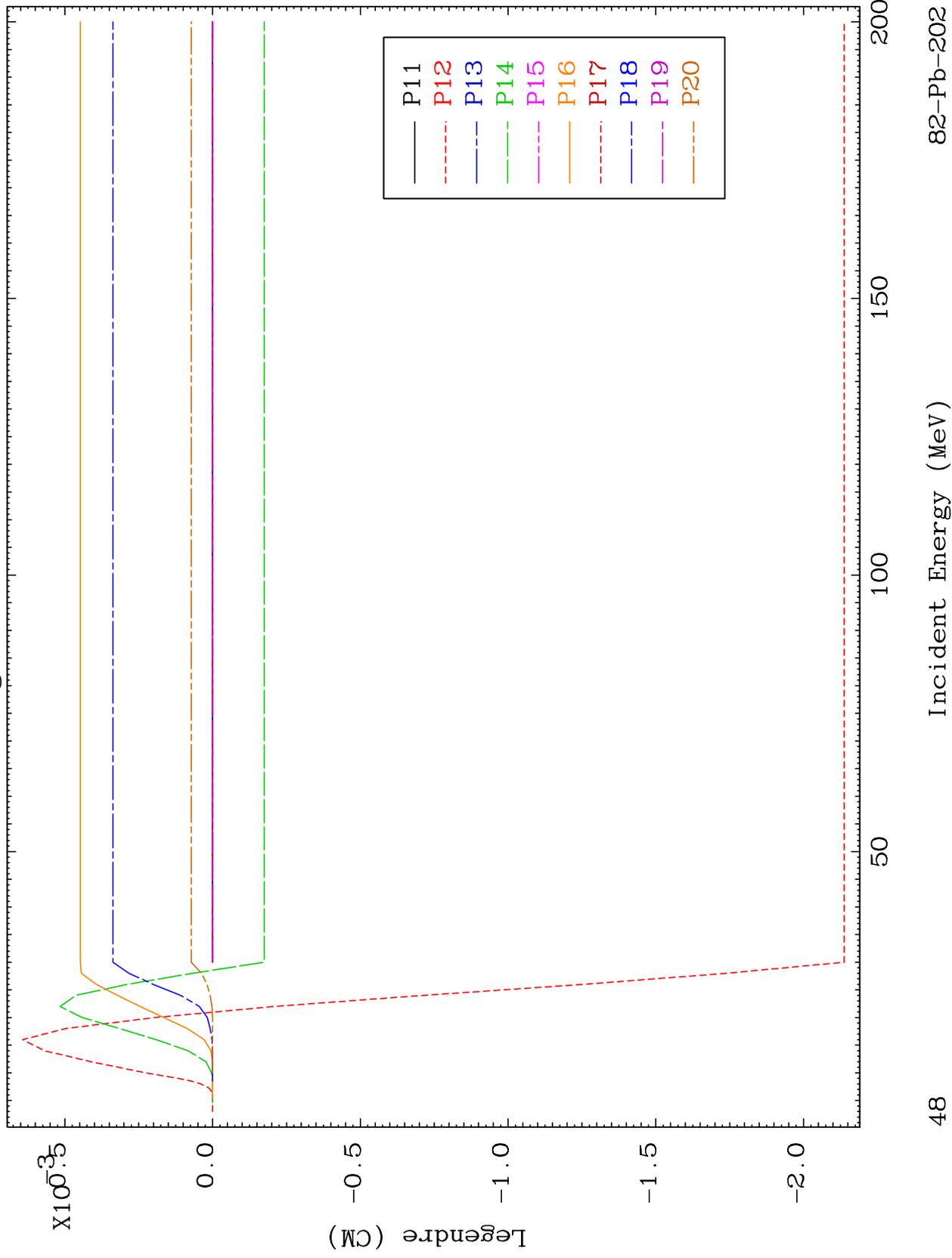
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

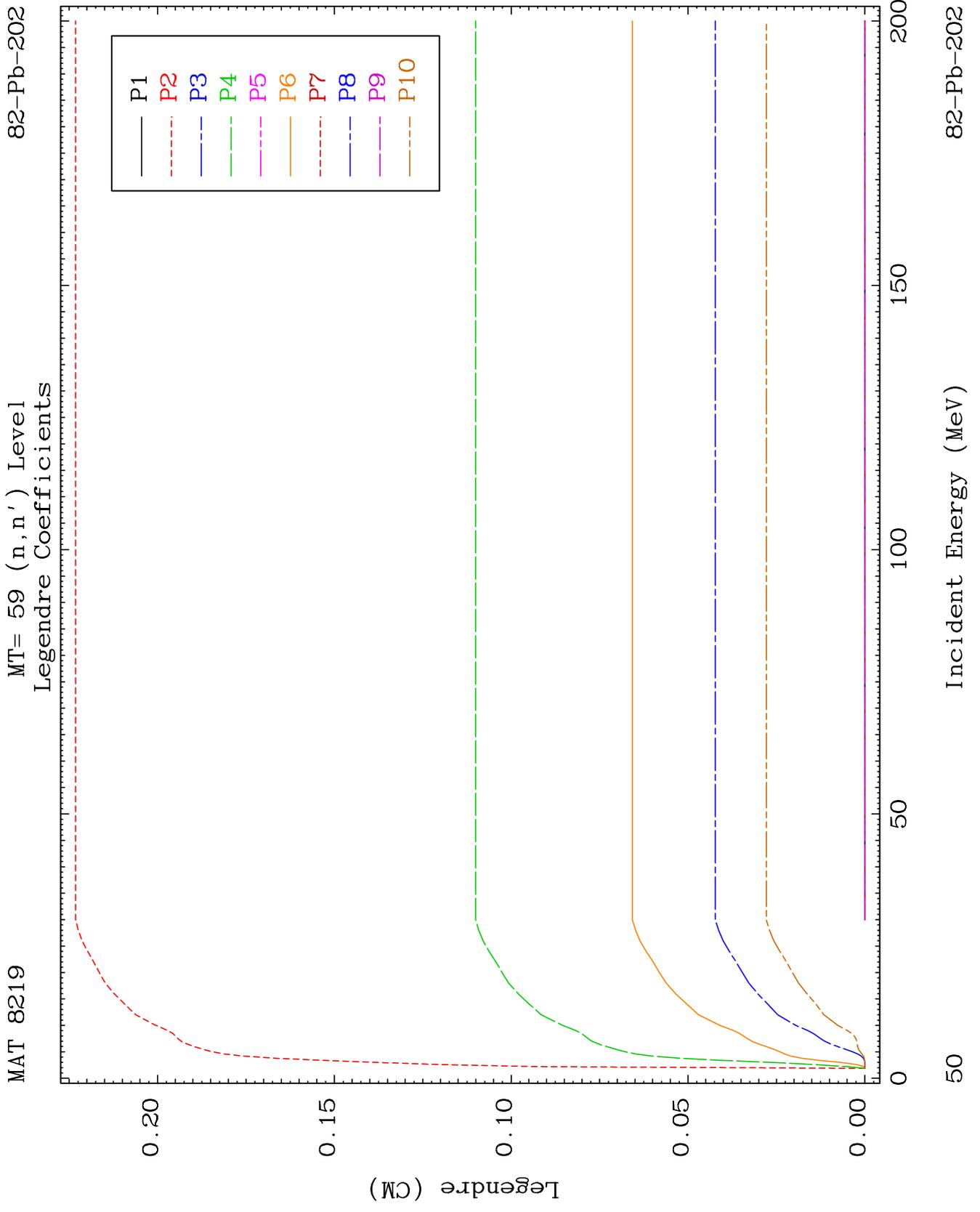
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48

Incident Energy (MeV)

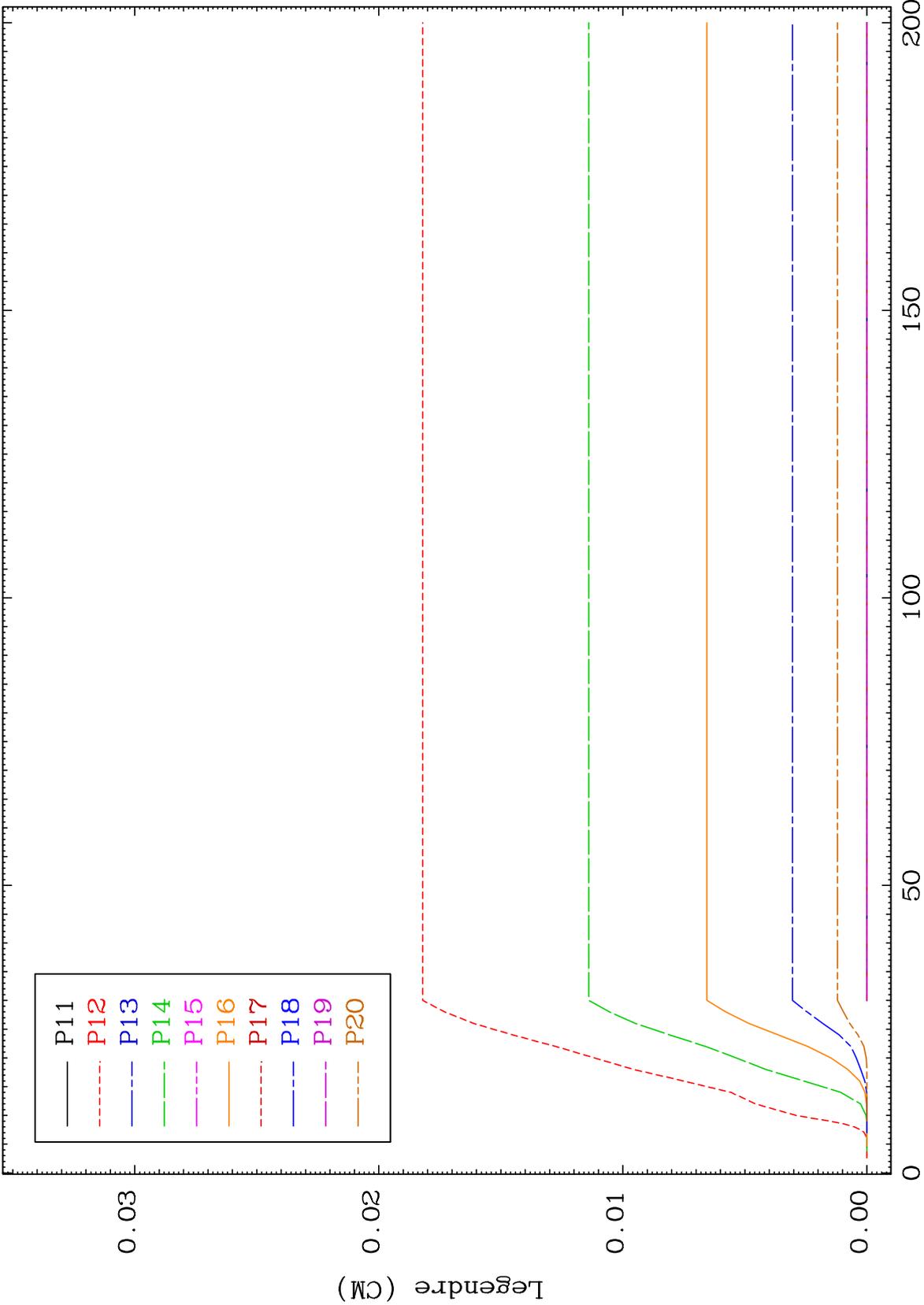
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MAT 8219

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

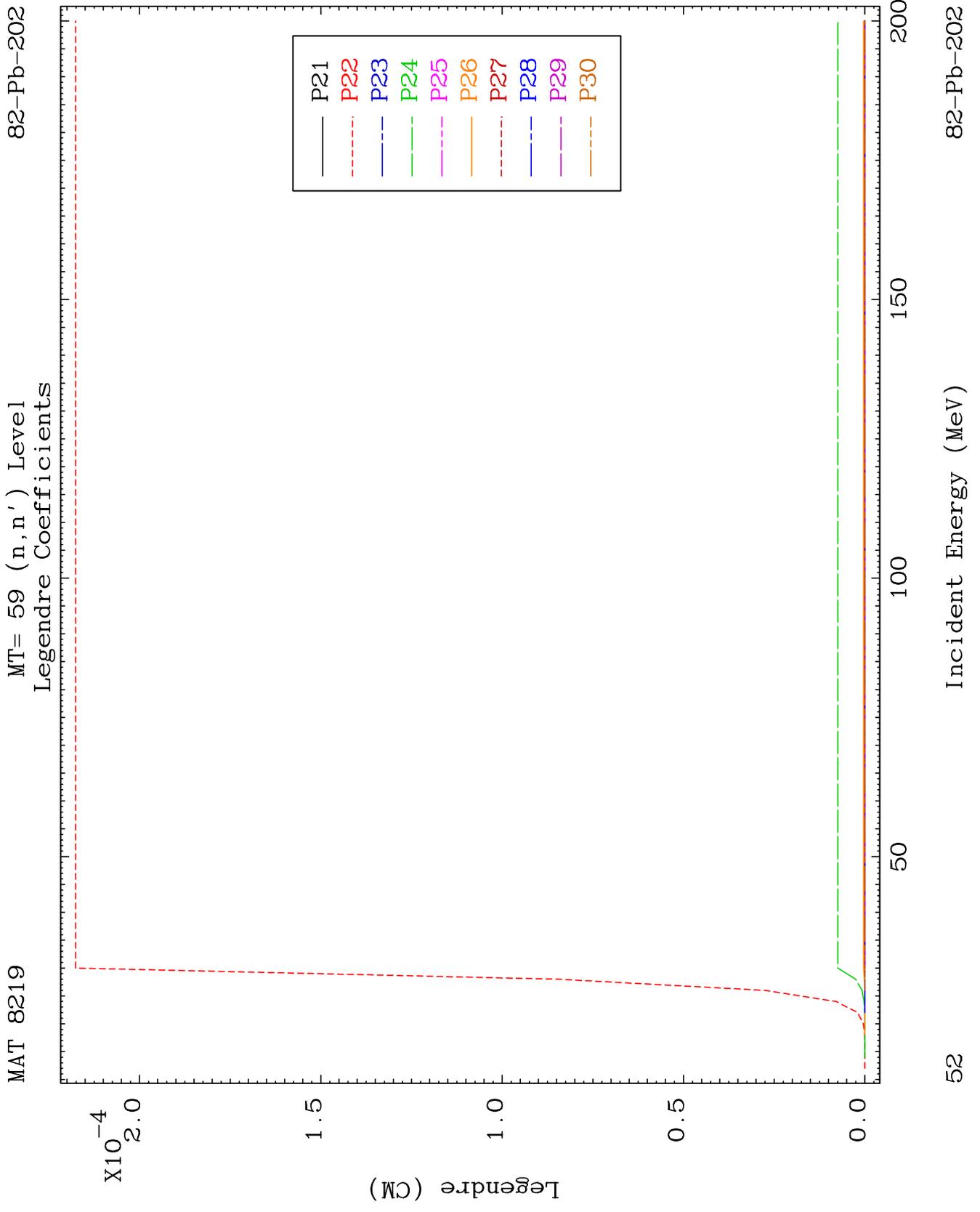
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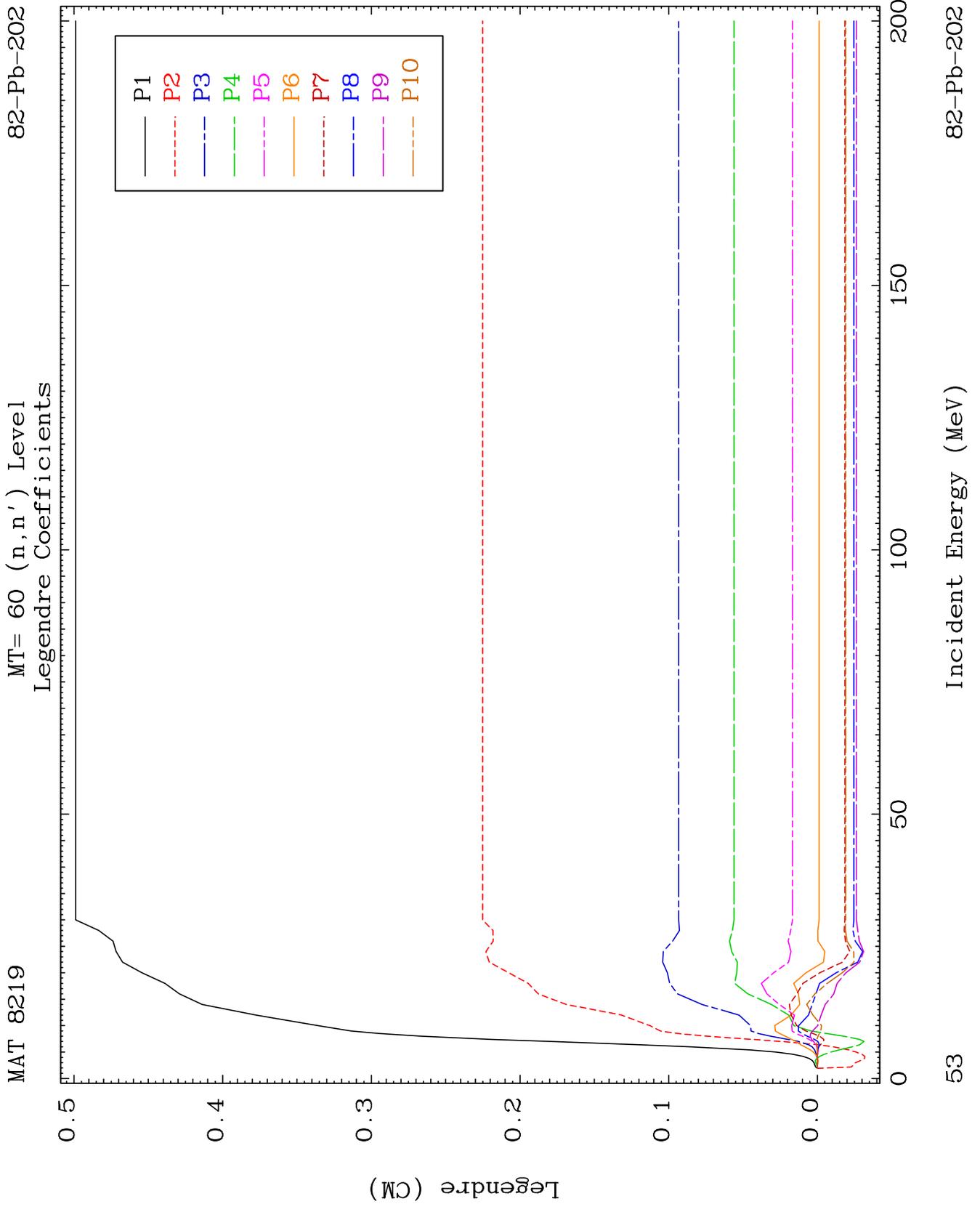


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Incident Energy (MeV)

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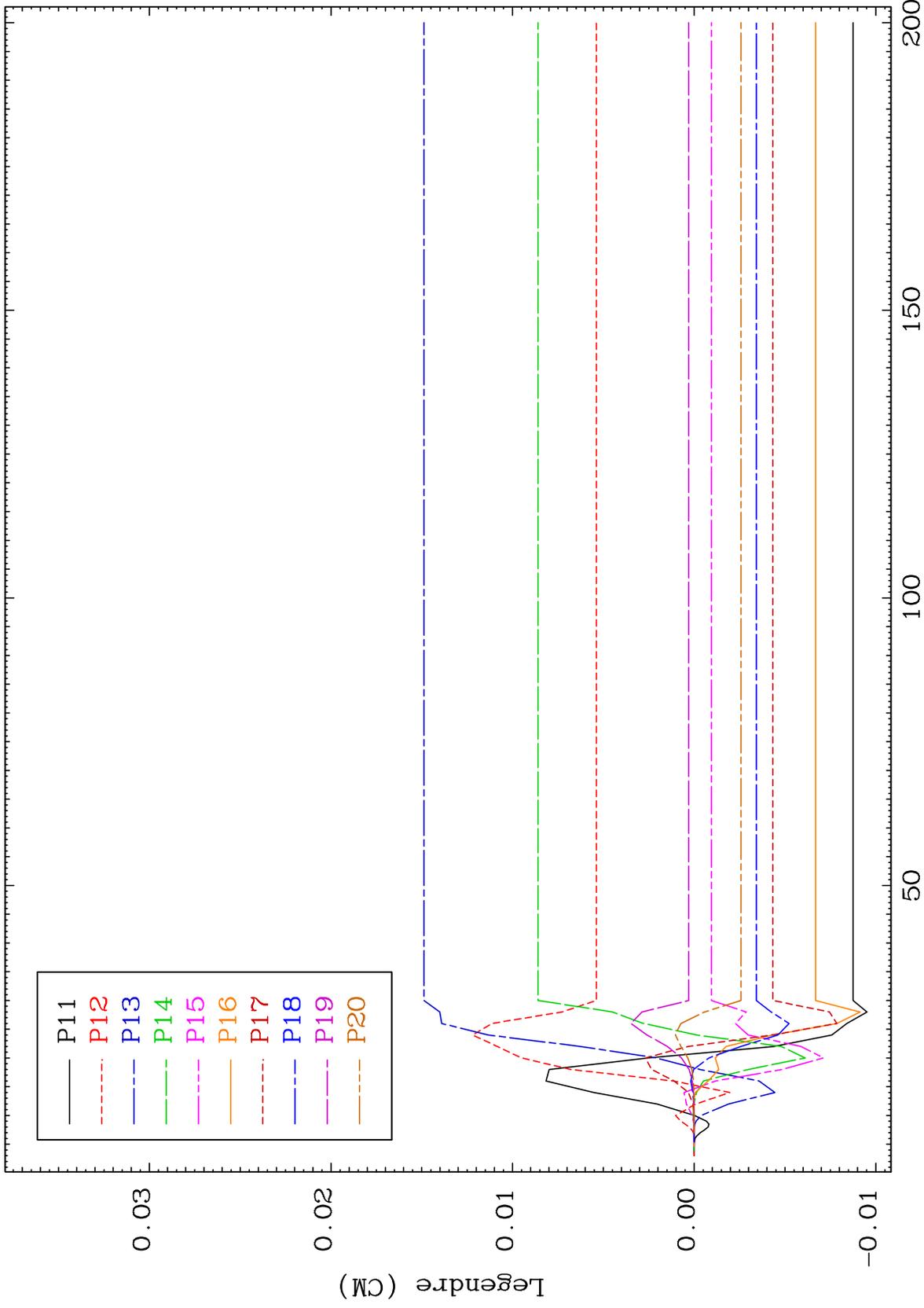




MAT 8219

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

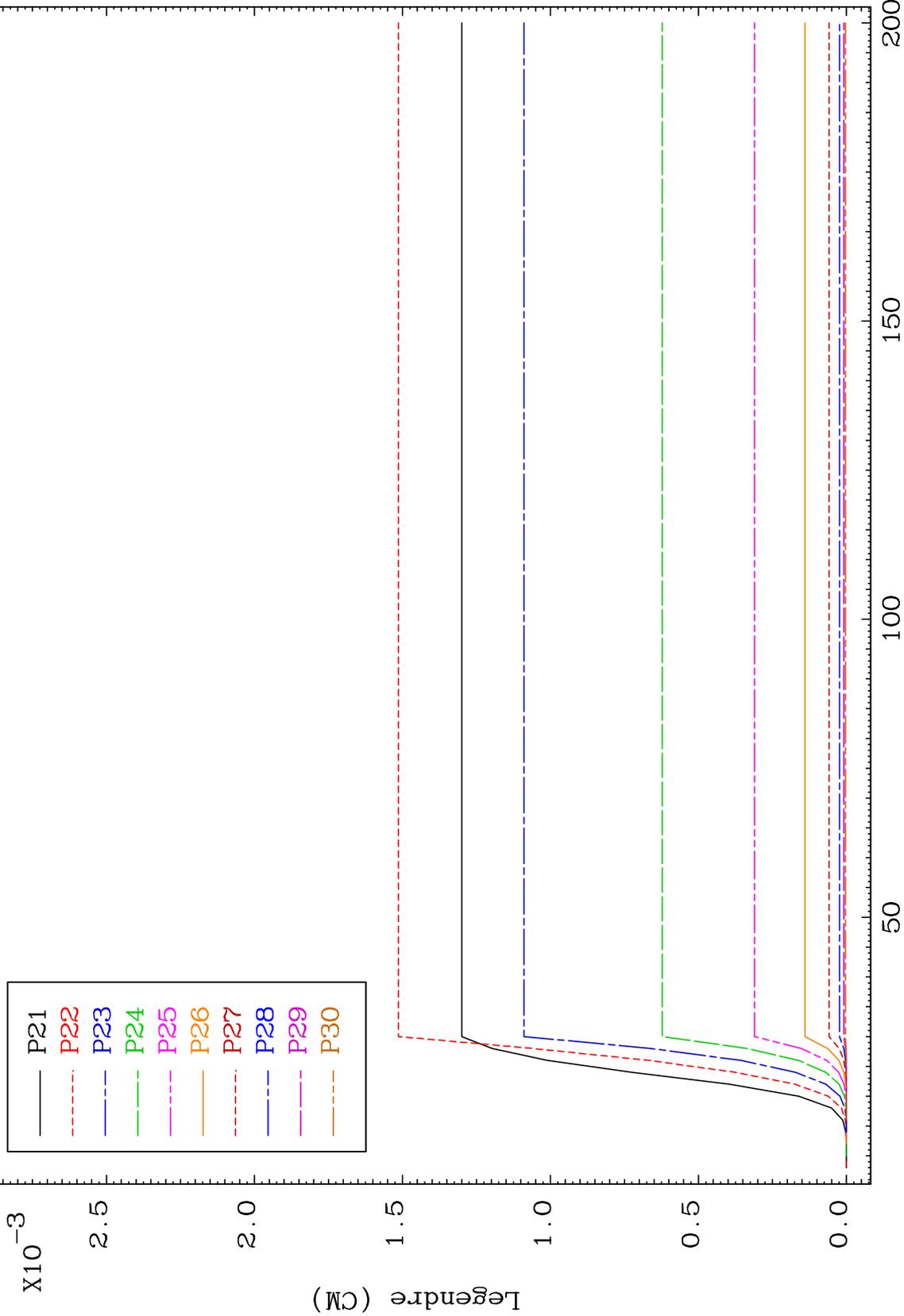
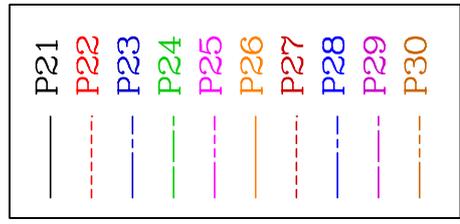
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MAT 8219

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

82-Pb-202



55

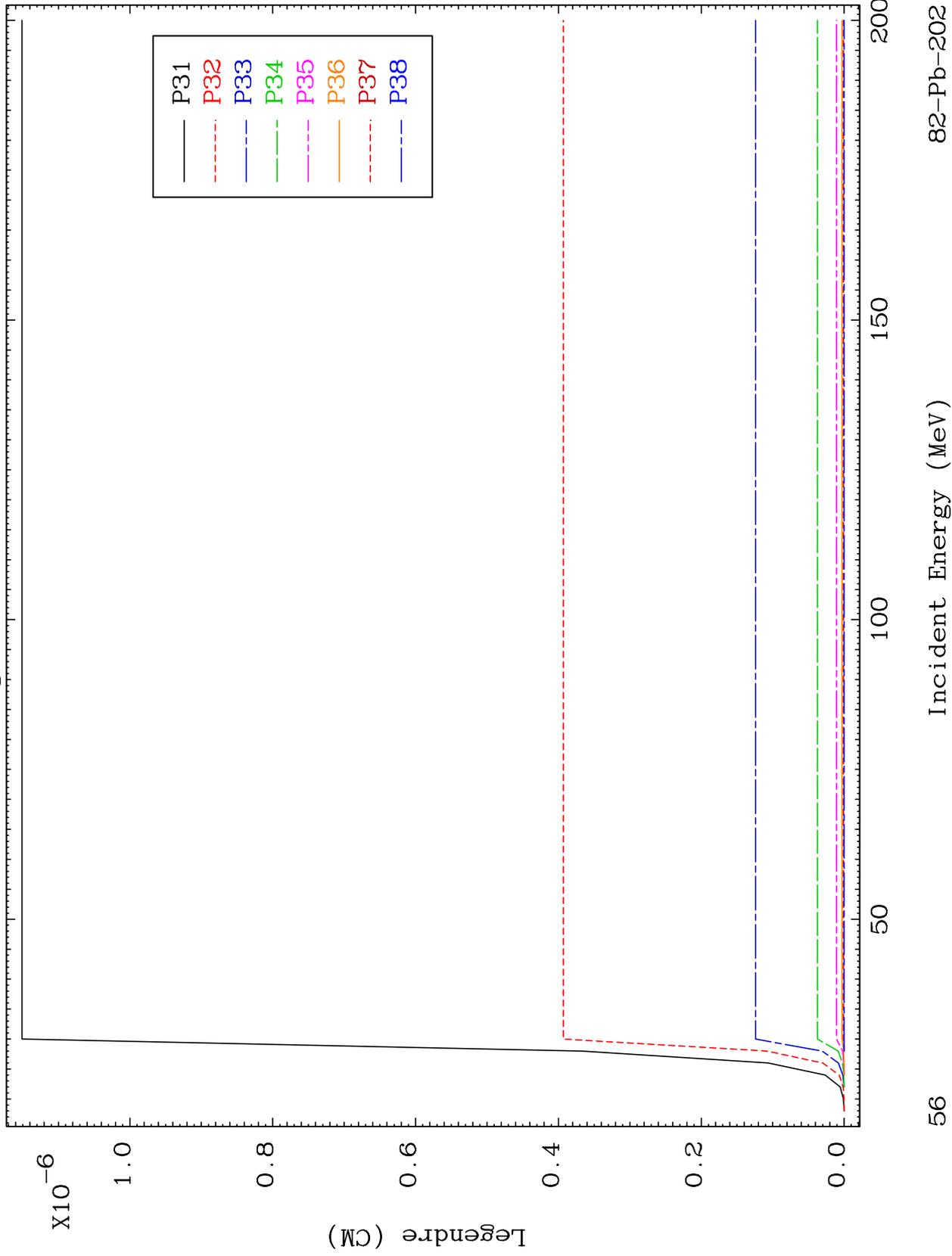
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

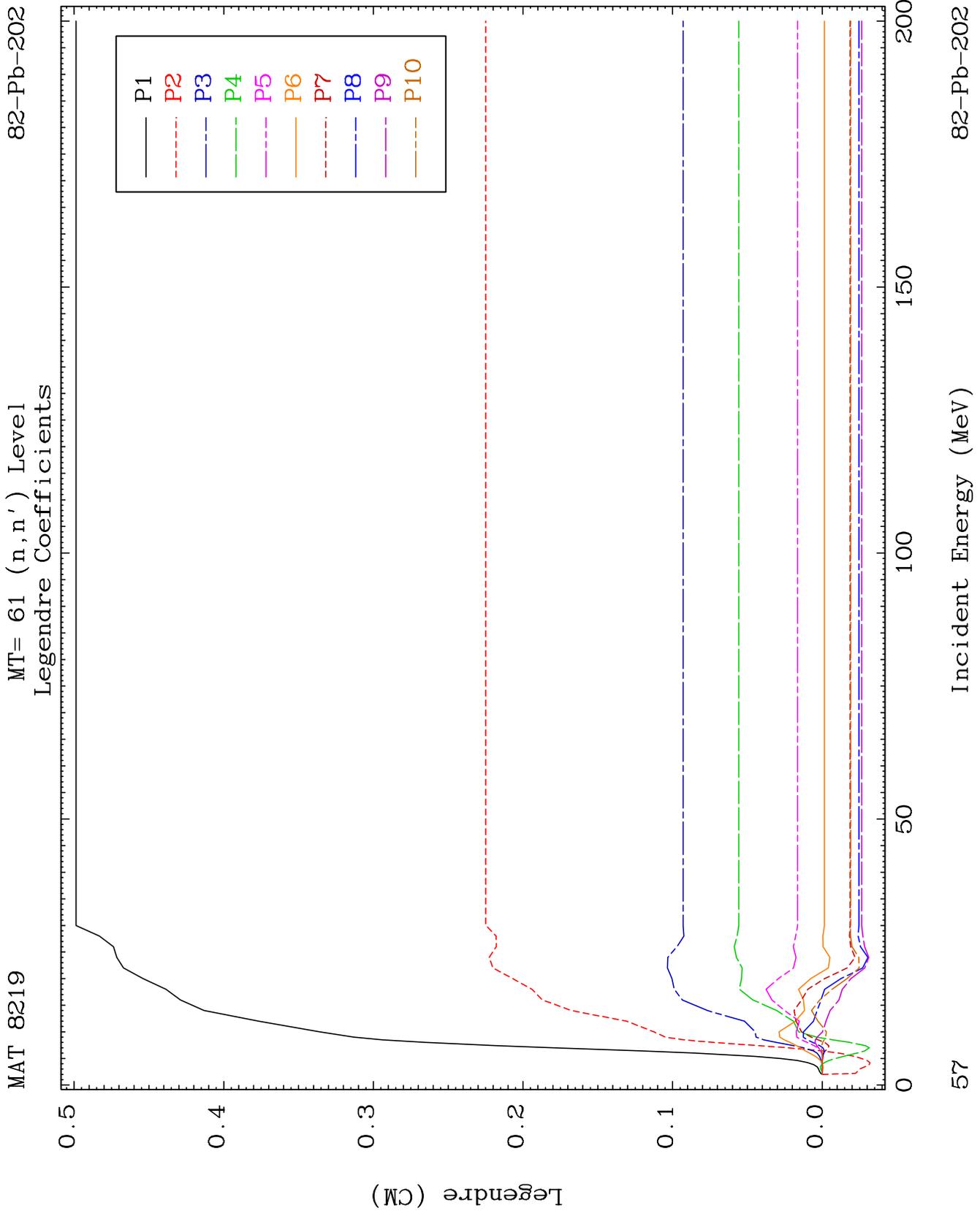
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56

Incident Energy (MeV)

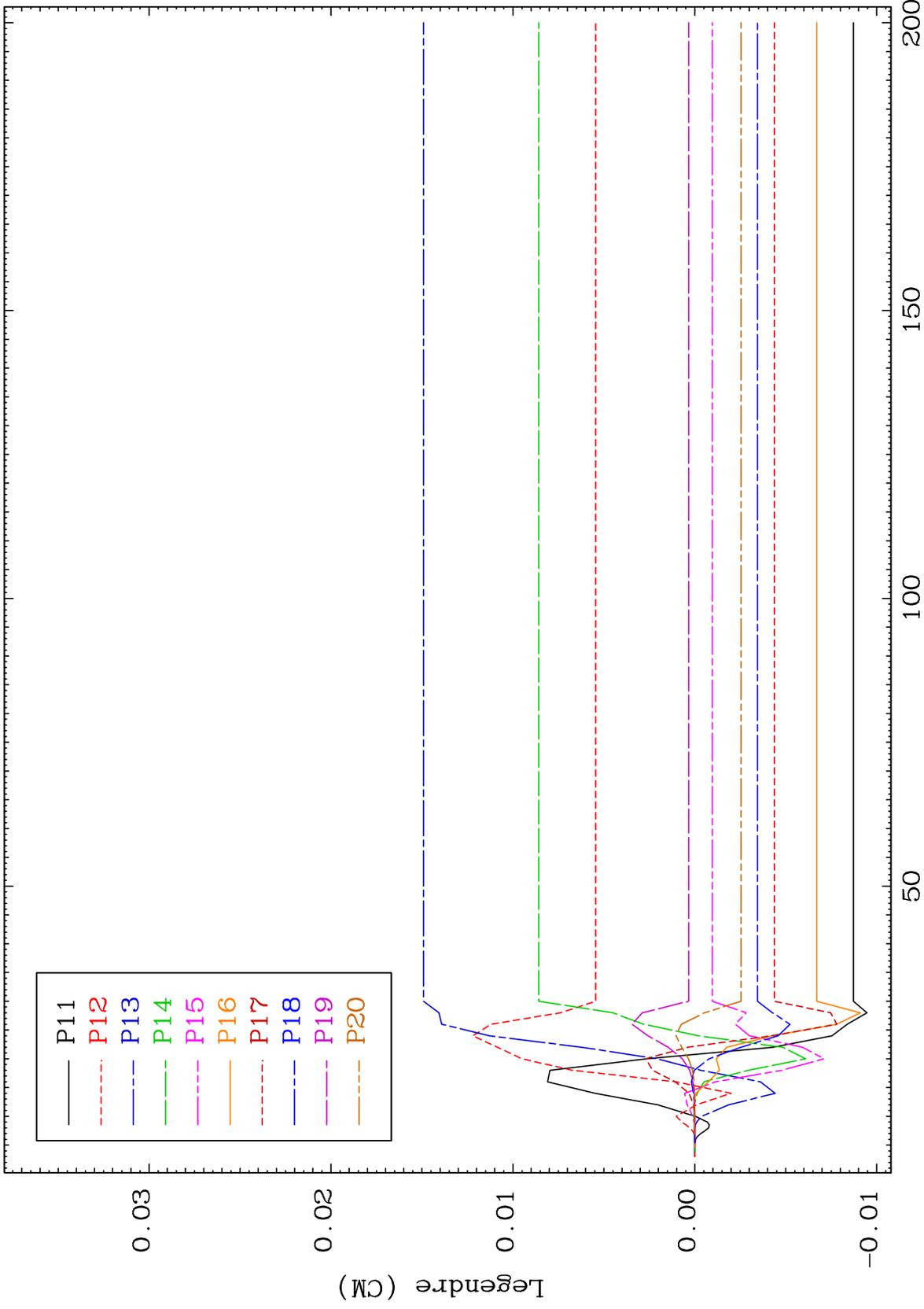
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MAT 8219

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

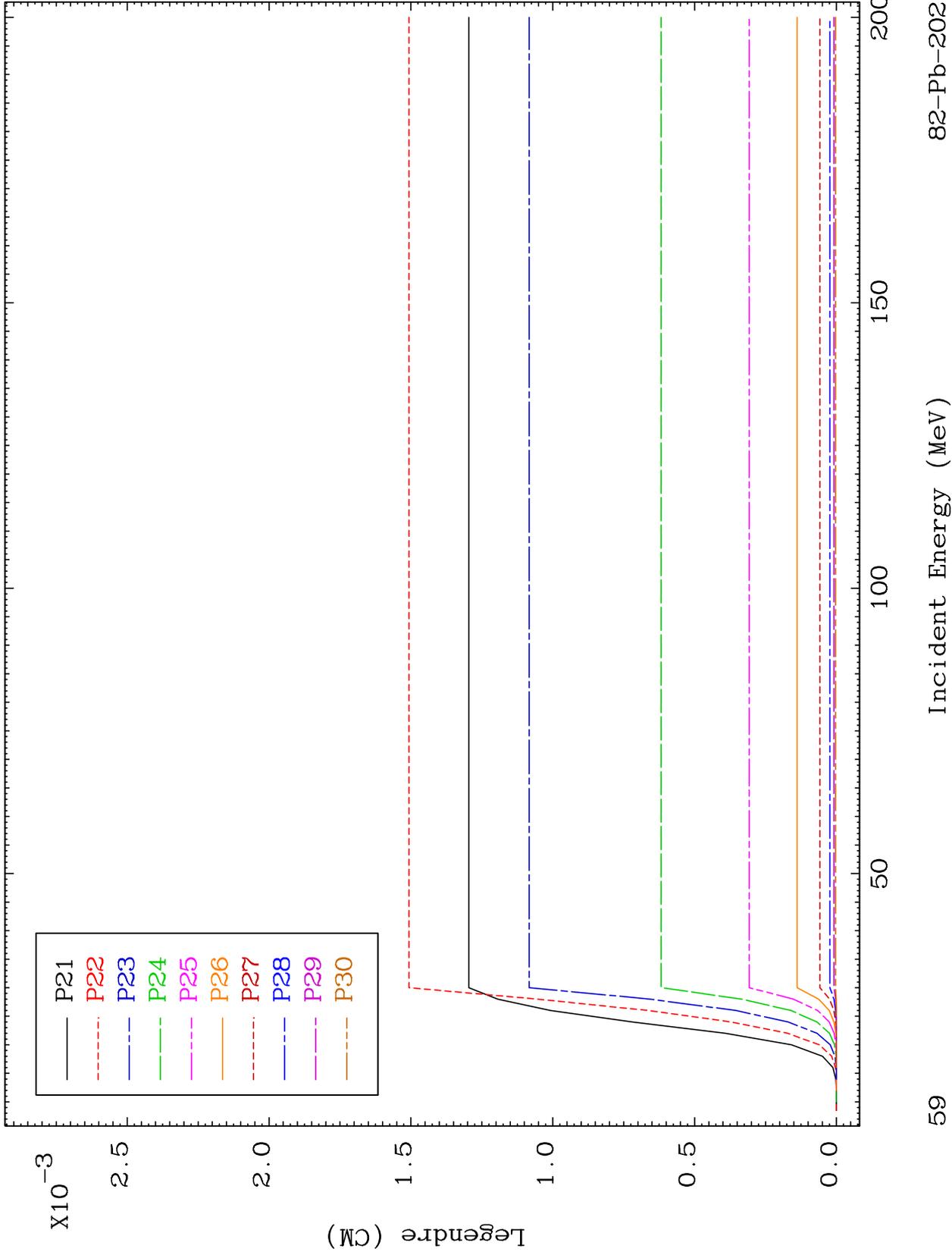
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58

Incident Energy (MeV)

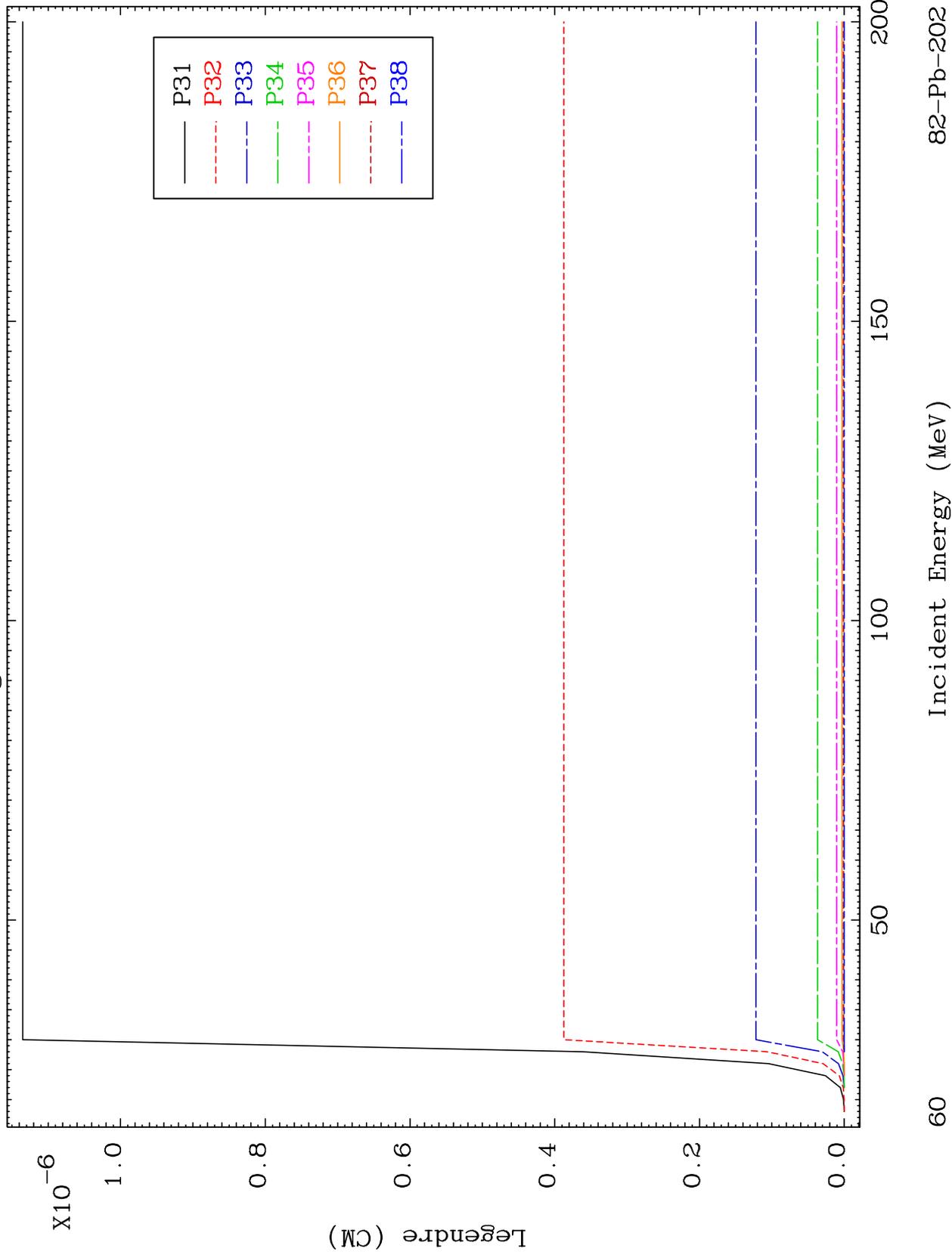
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MAT 8219

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

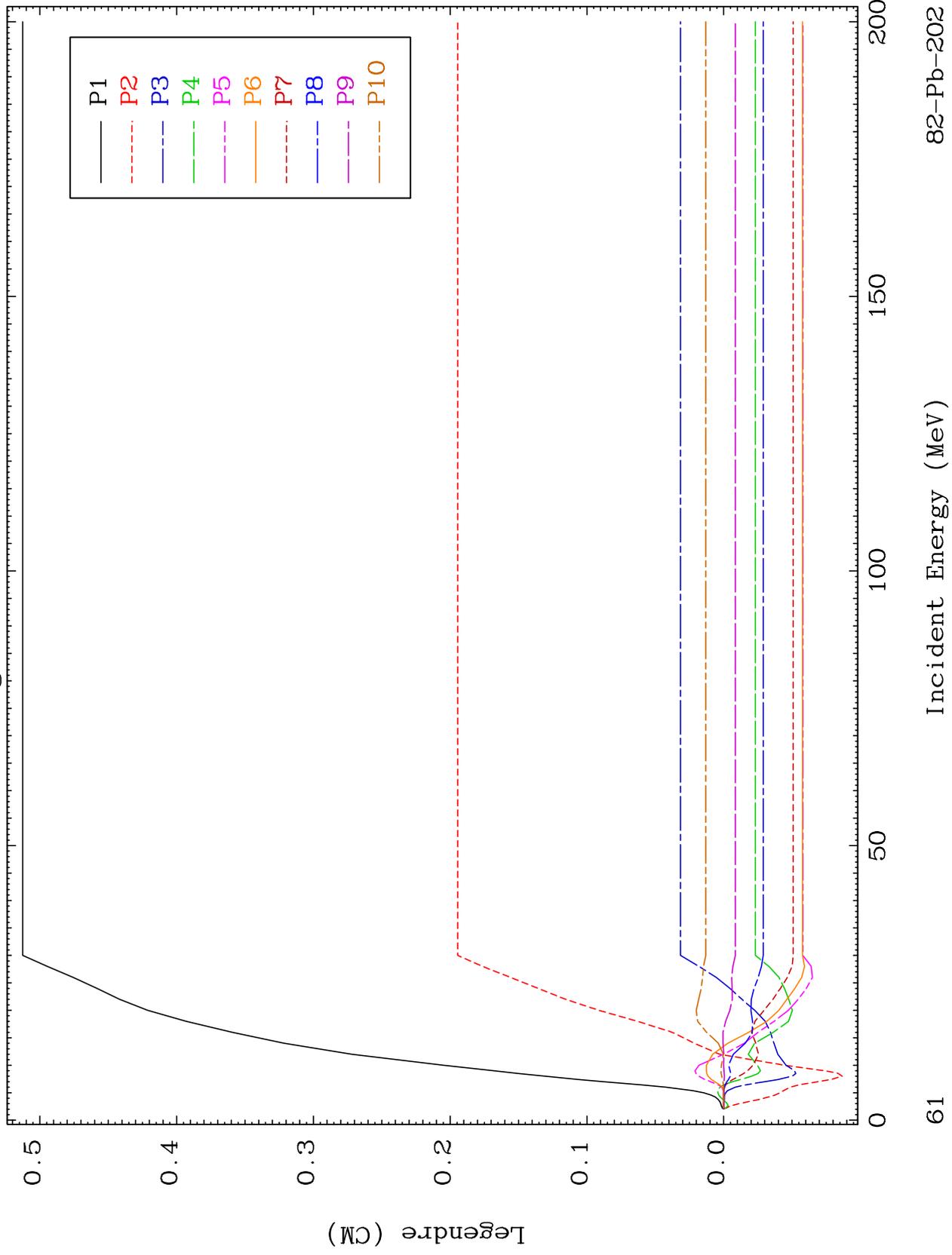
82-Pb-202



MAT 8219

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

82-Pb-202



61

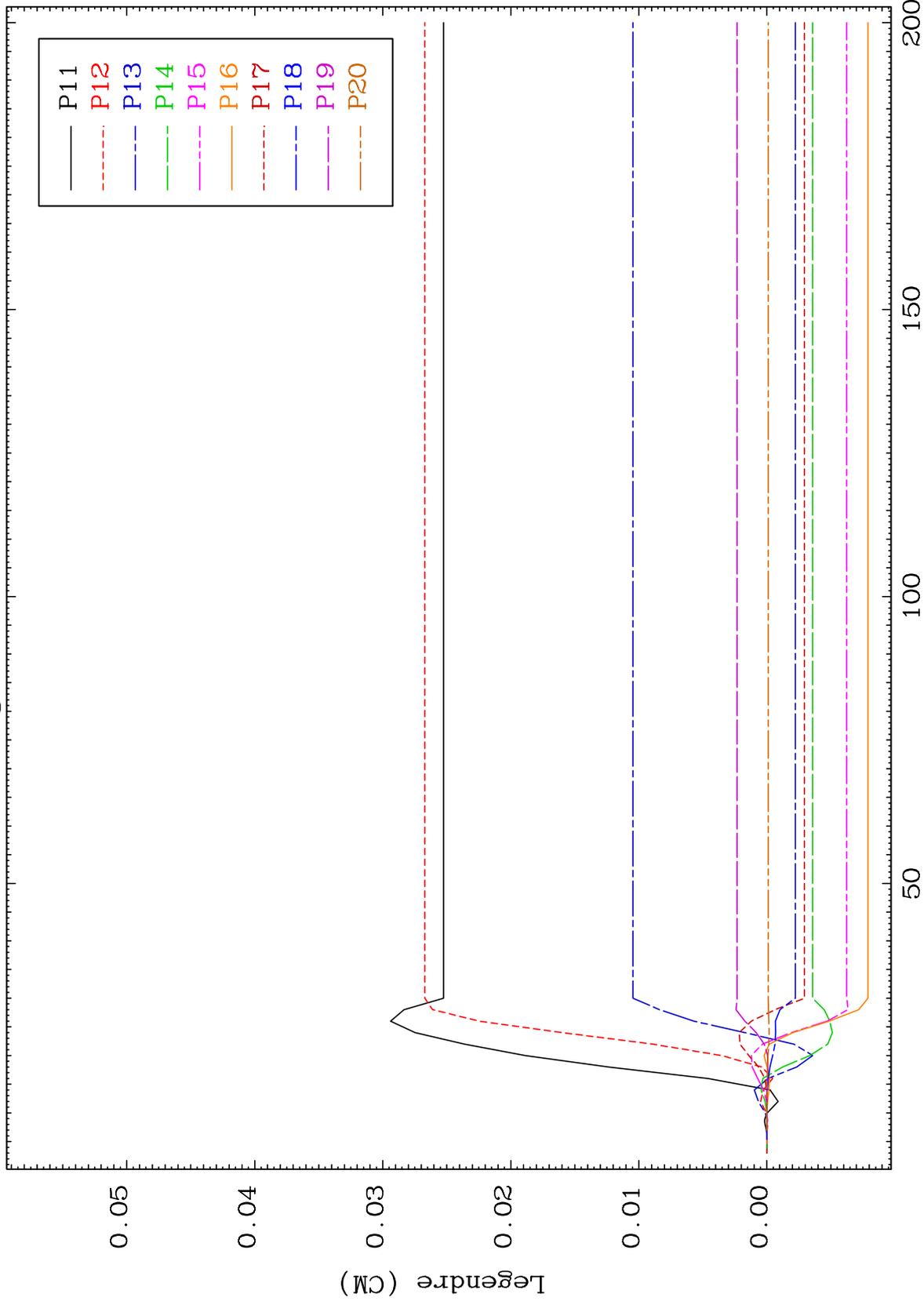
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



62

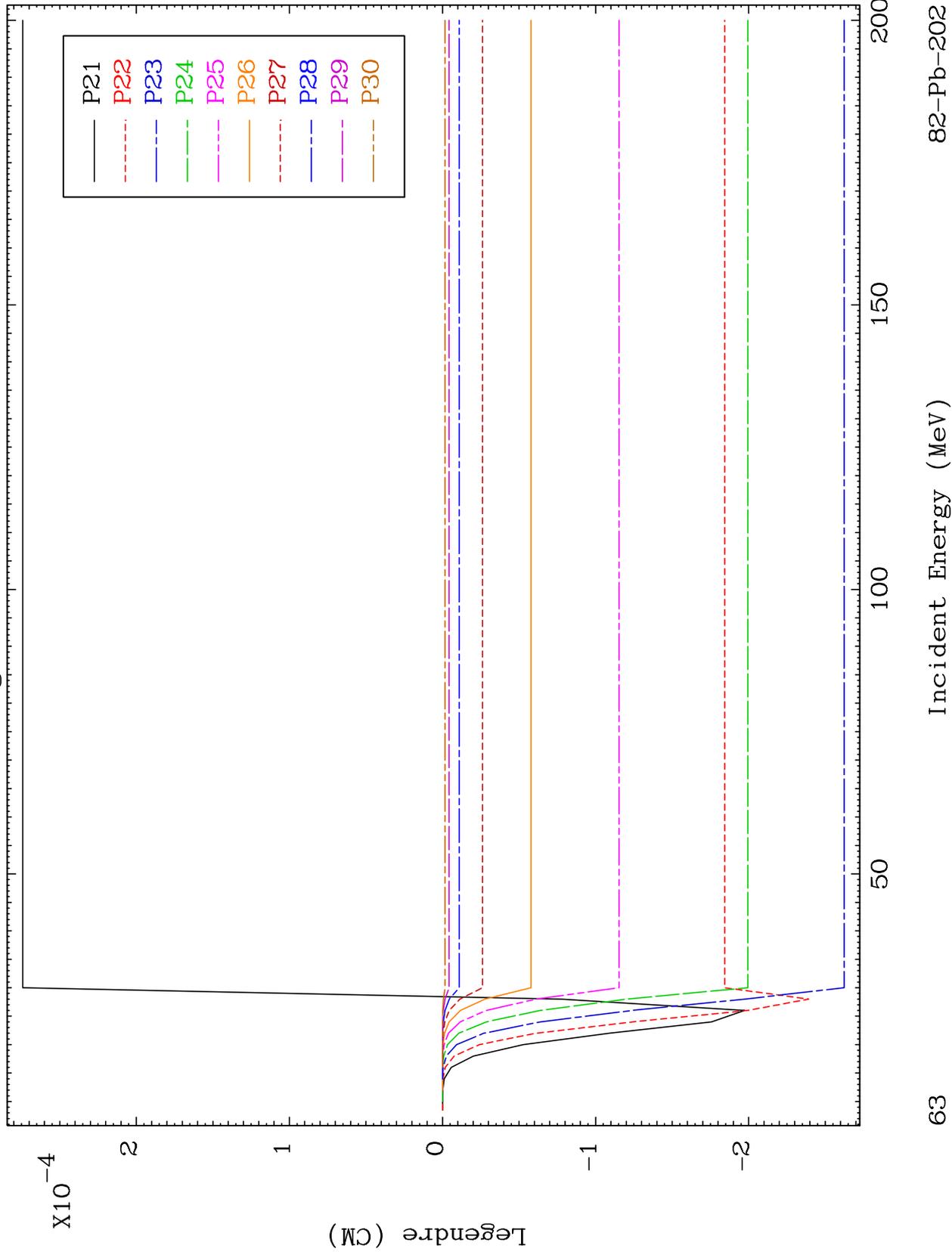
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

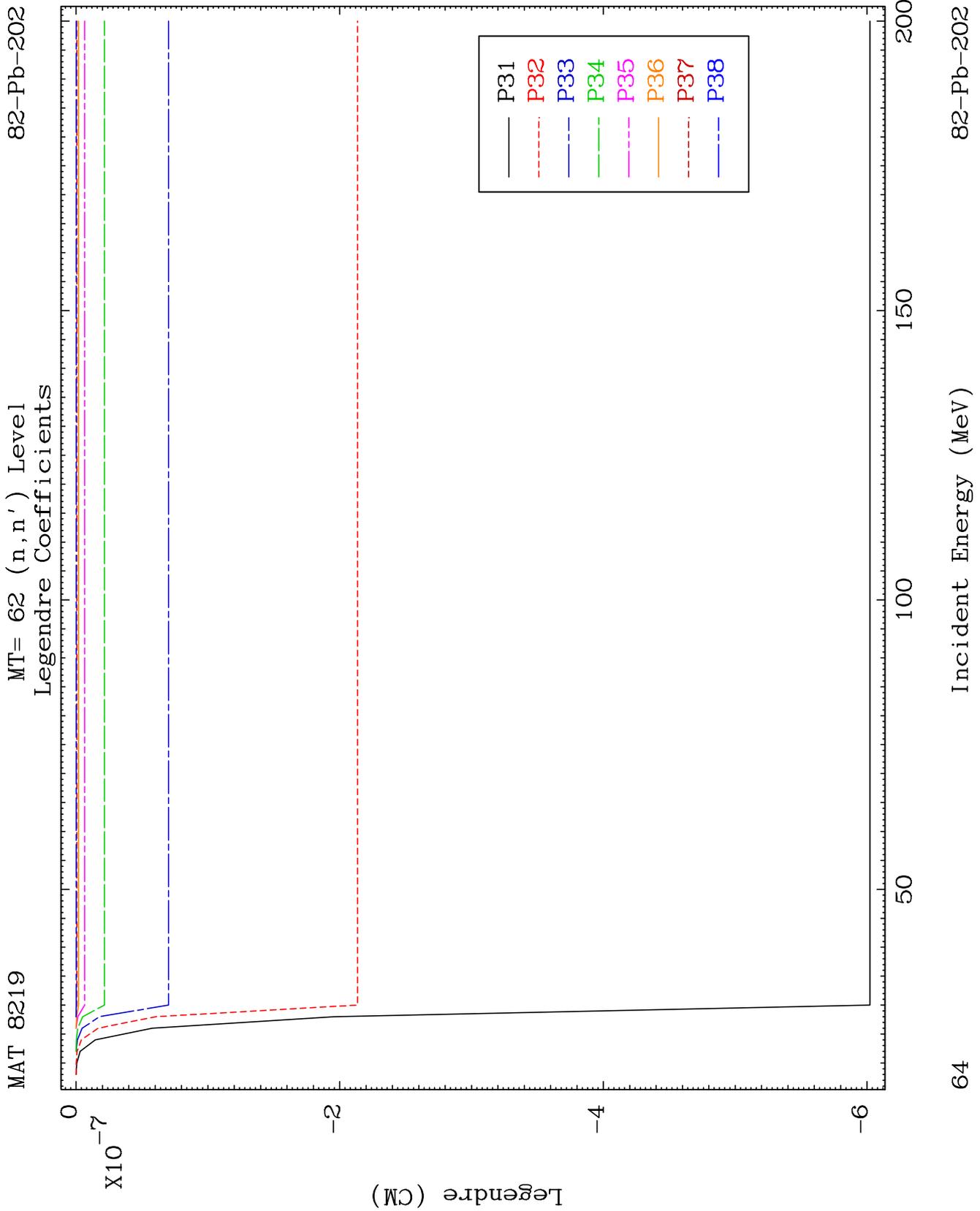
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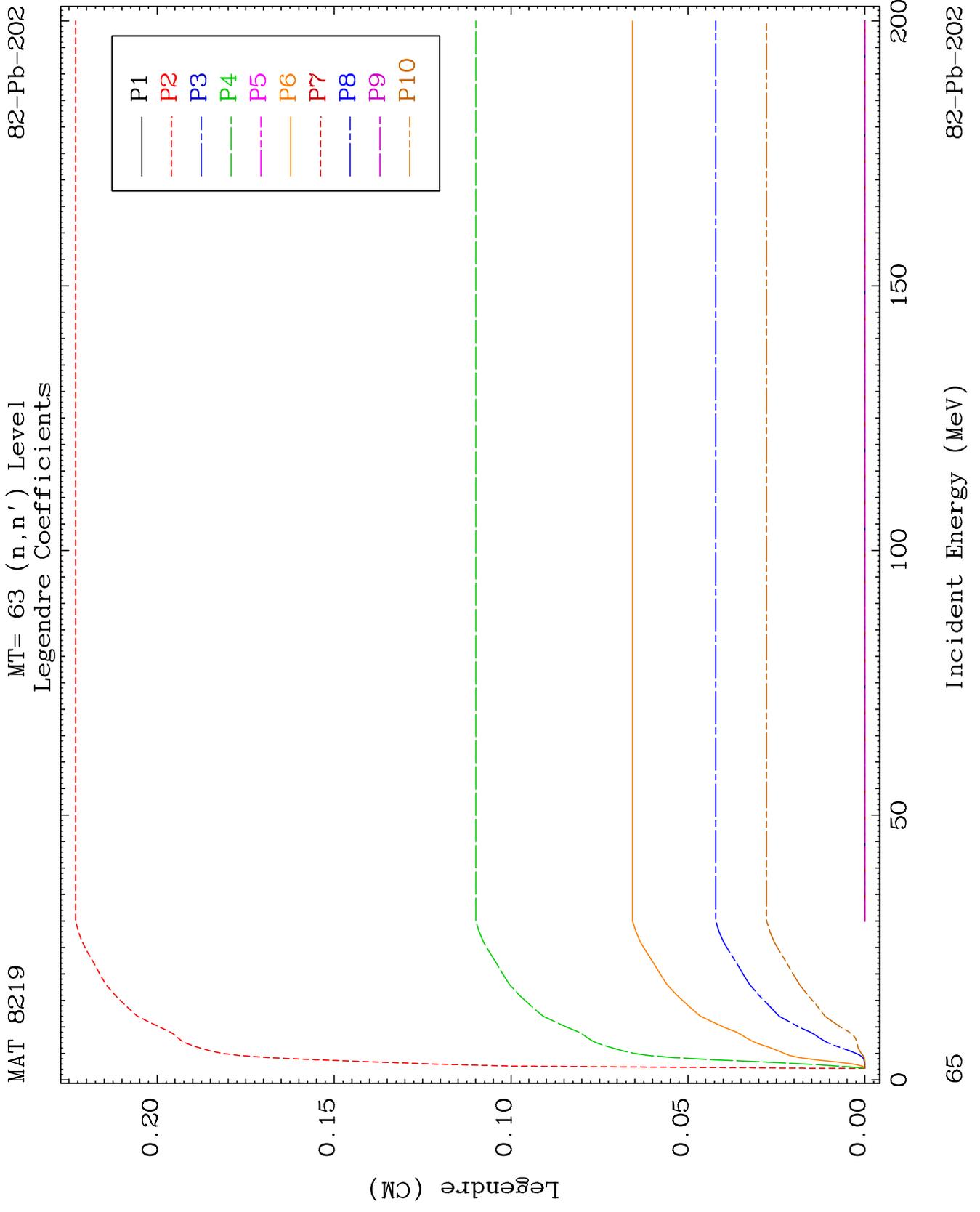


63

Incident Energy (MeV)

82-Pb-202

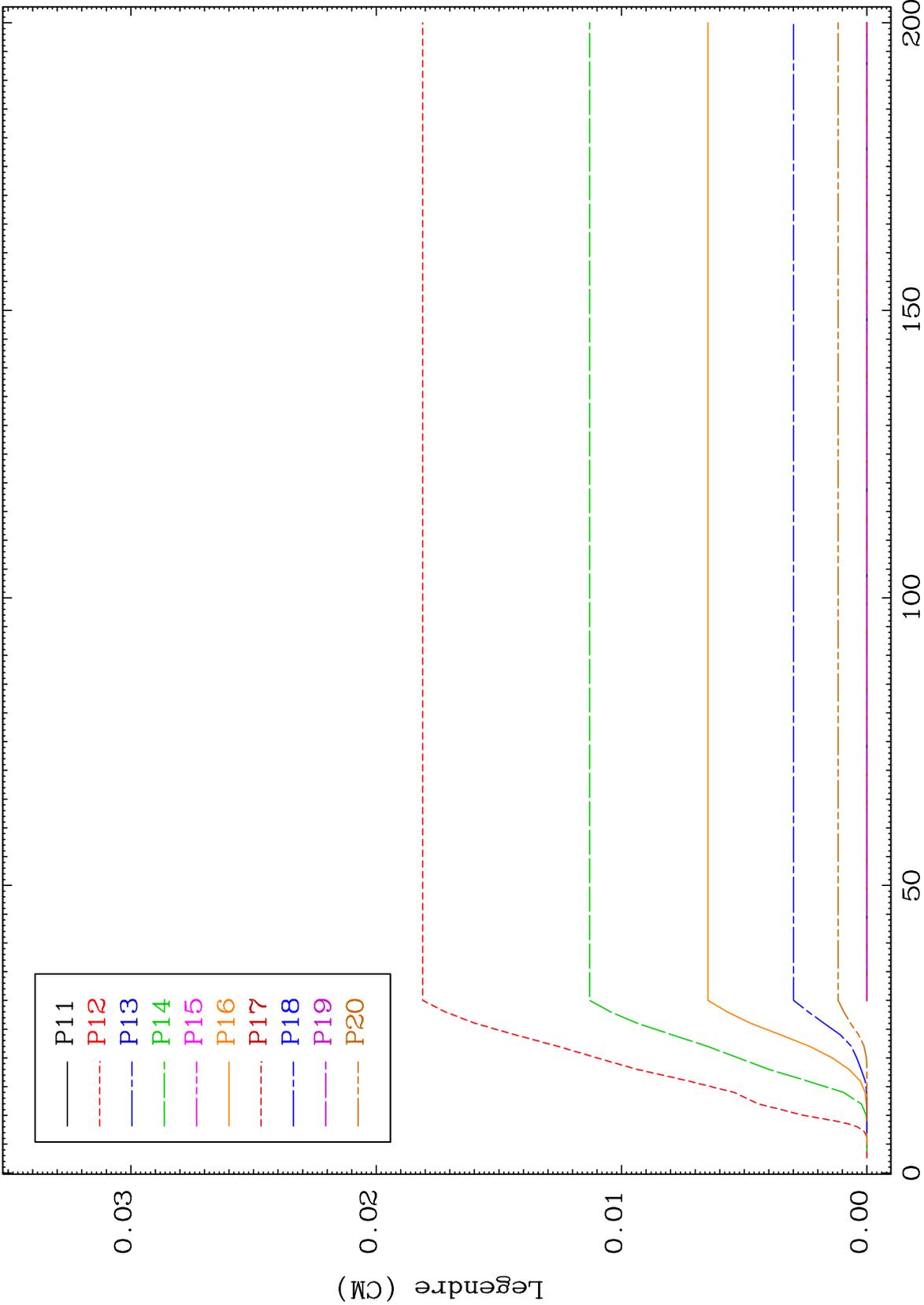




MAT 8219

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

82-Pb-202



66

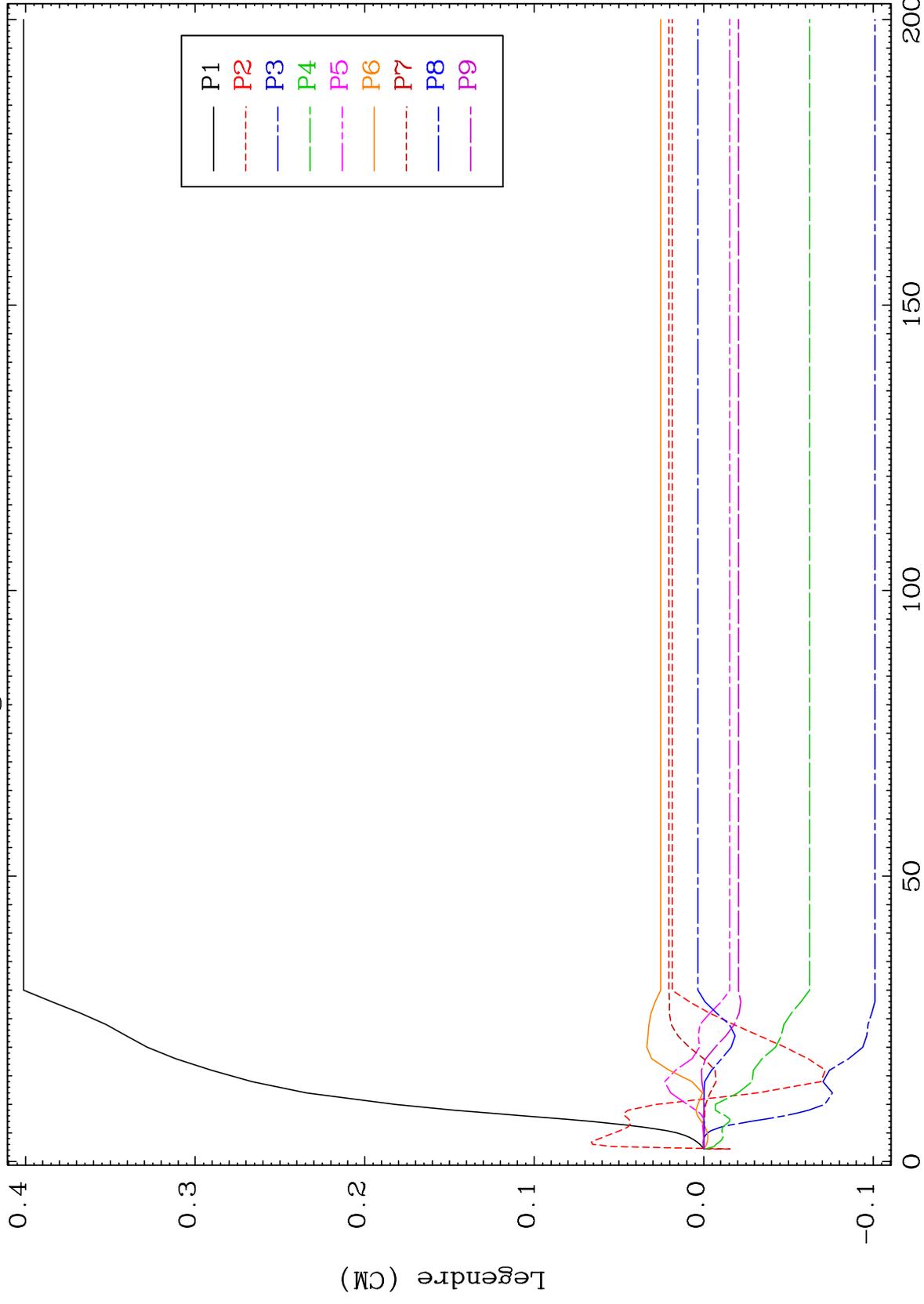
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



68

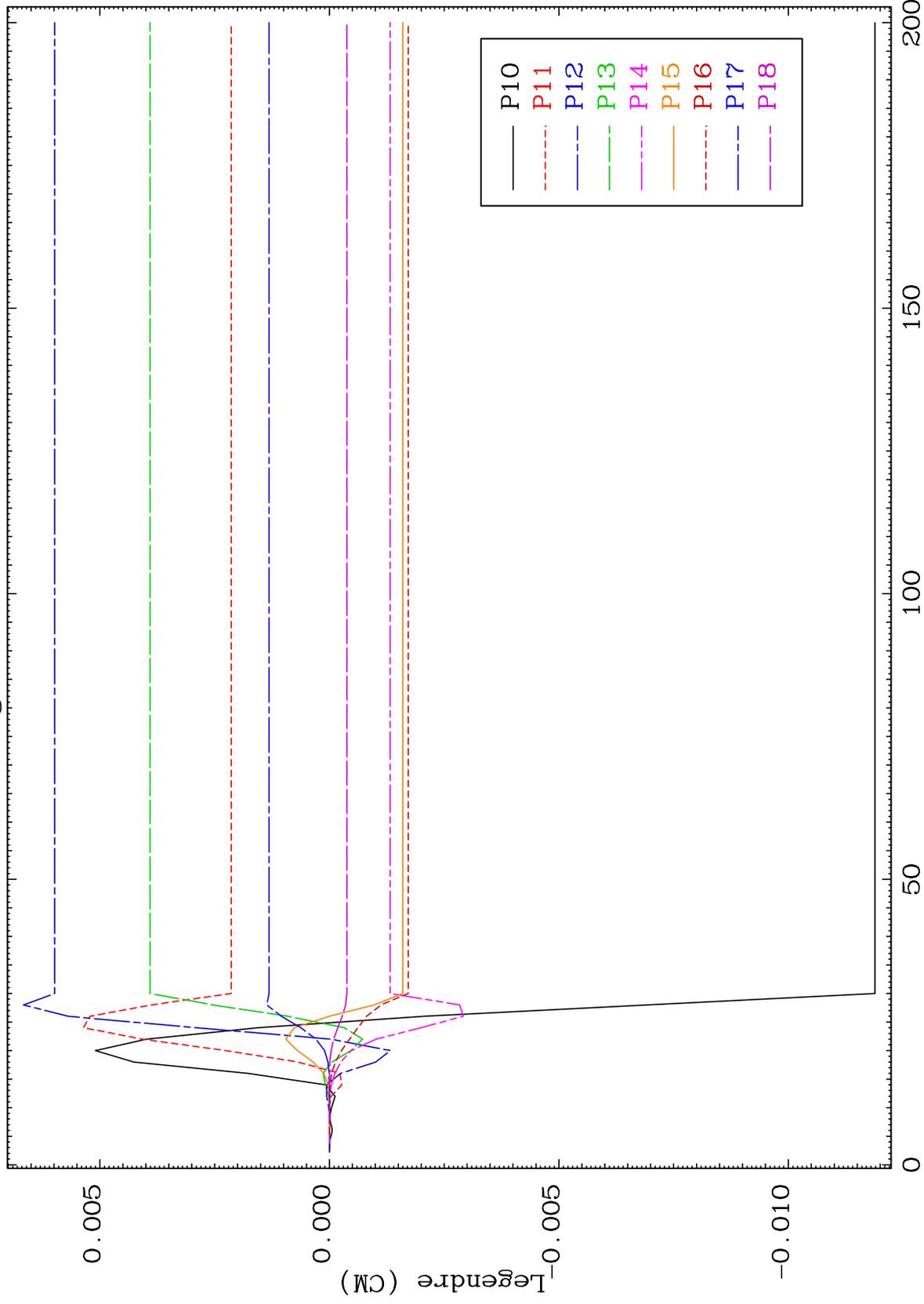
Incident Energy (MeV)

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MAT 8219

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

82-Pb-202



69

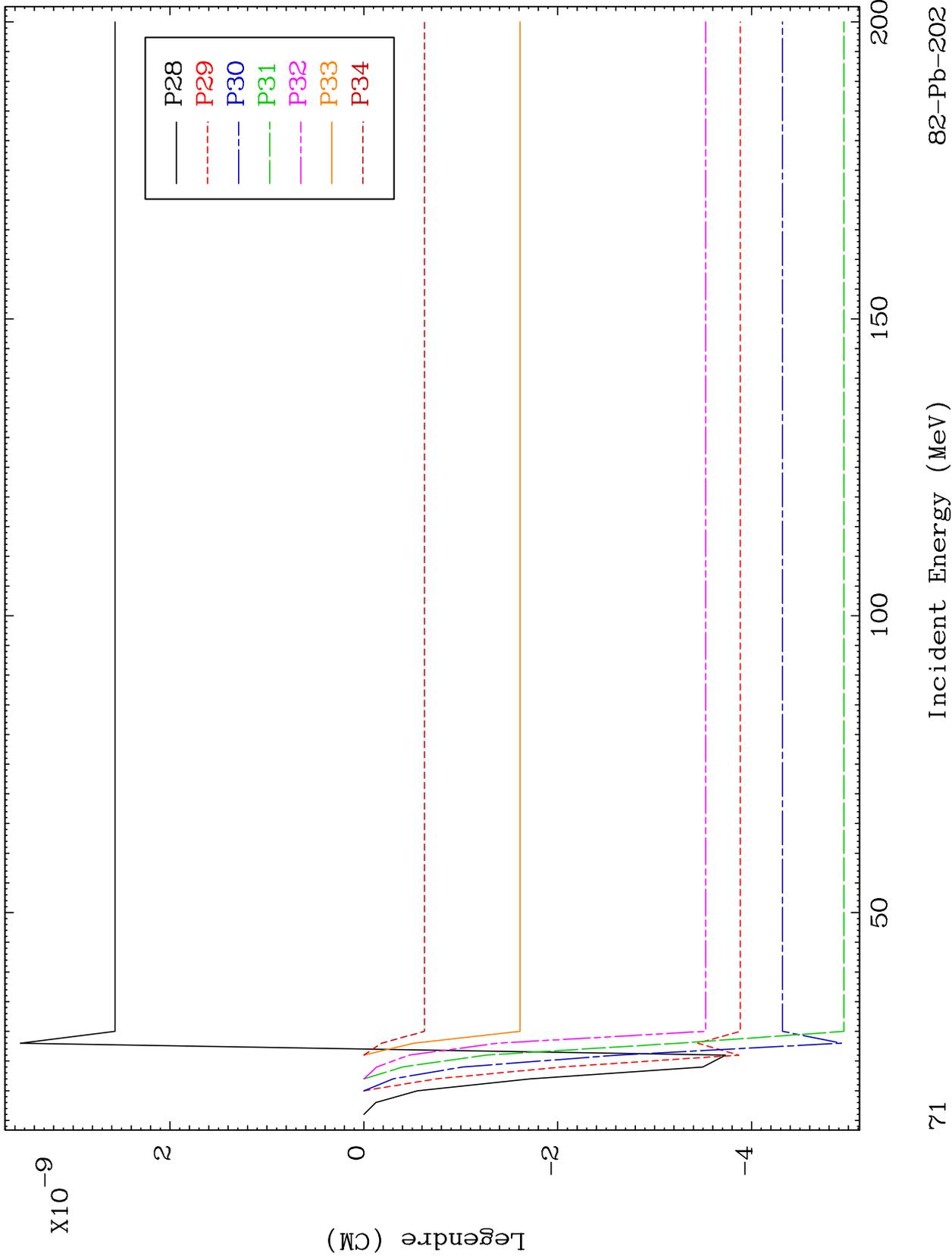
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

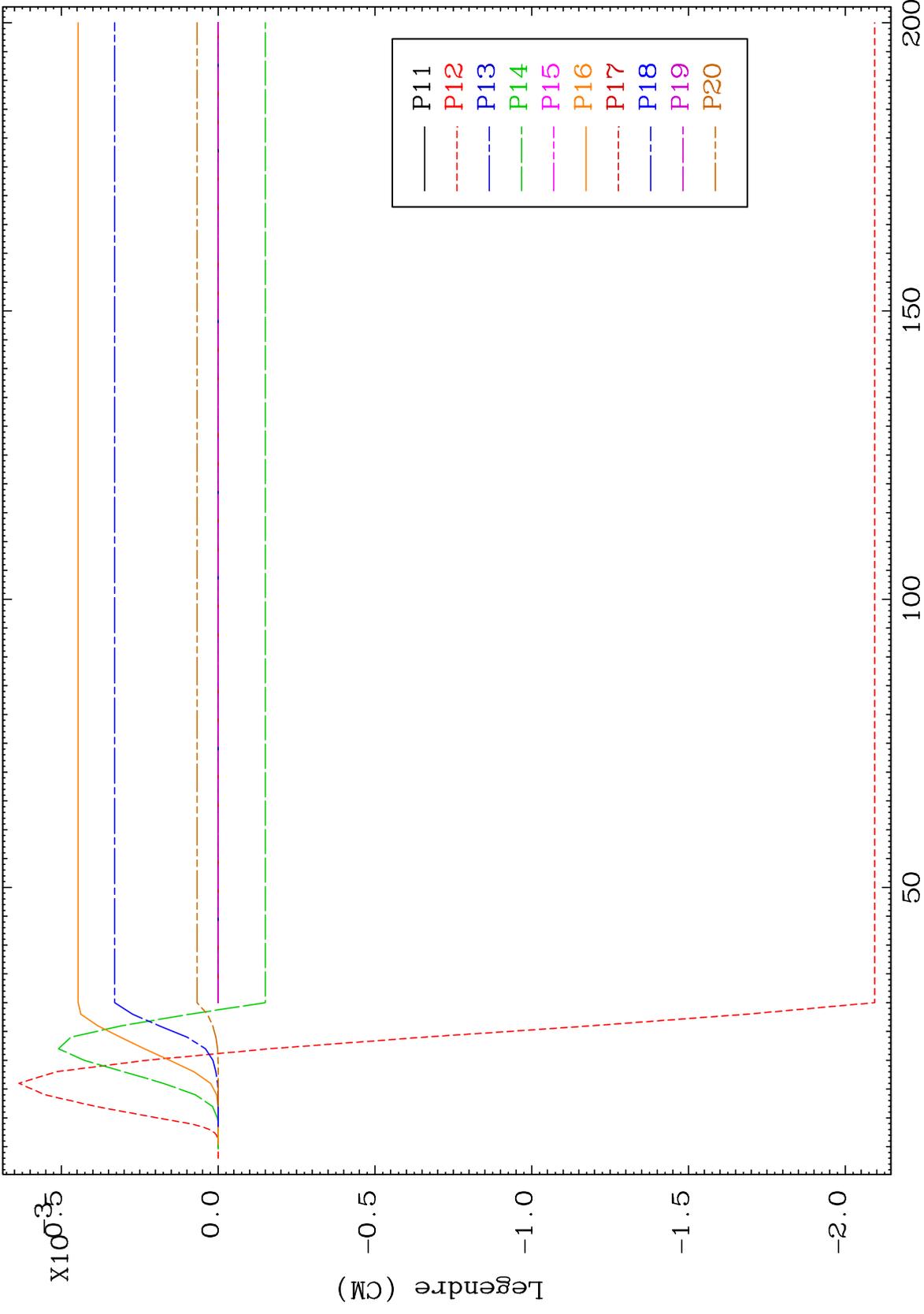
82-Pb-202



MAT 8219

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

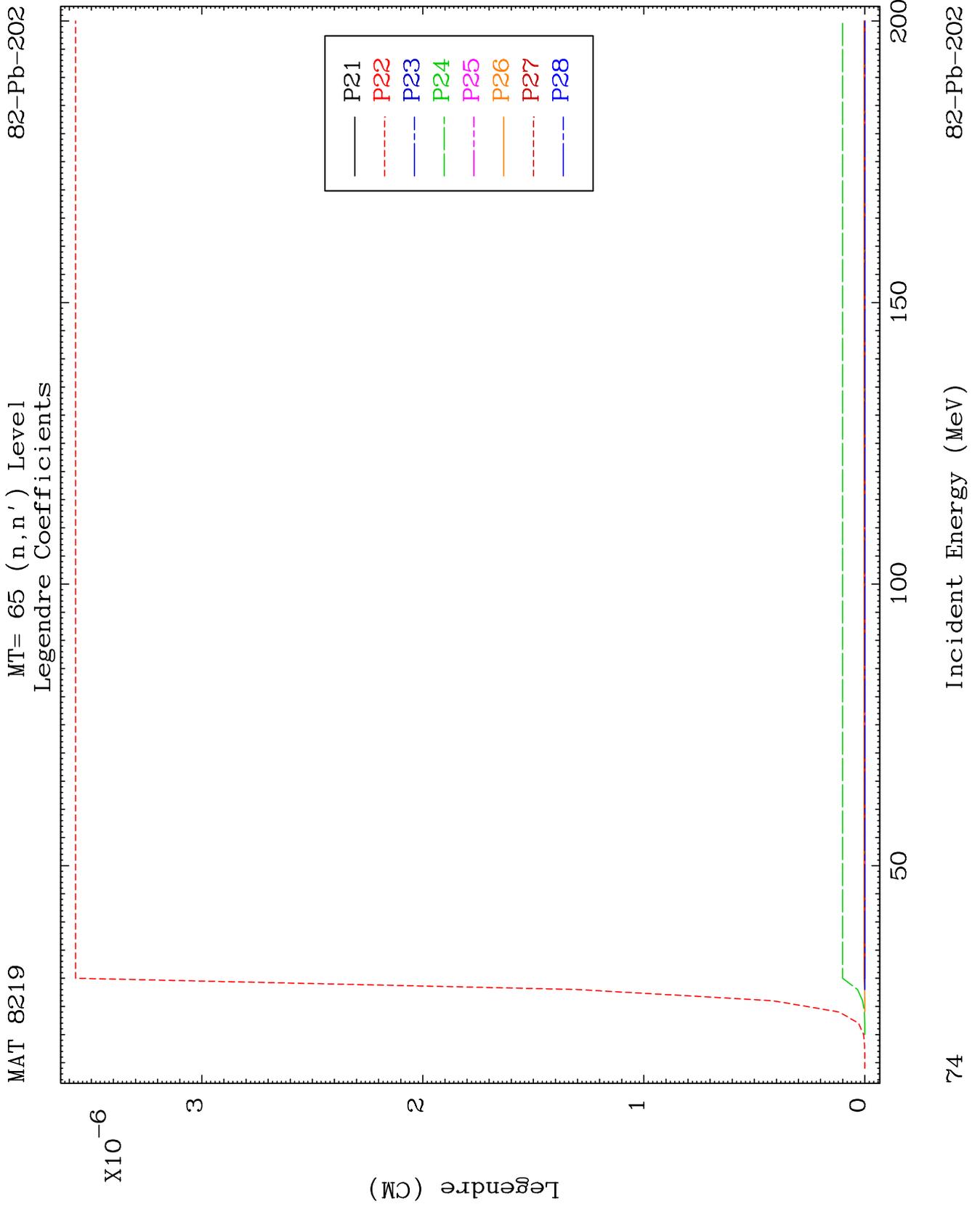
82-Pb-202



73

Incident Energy (MeV)

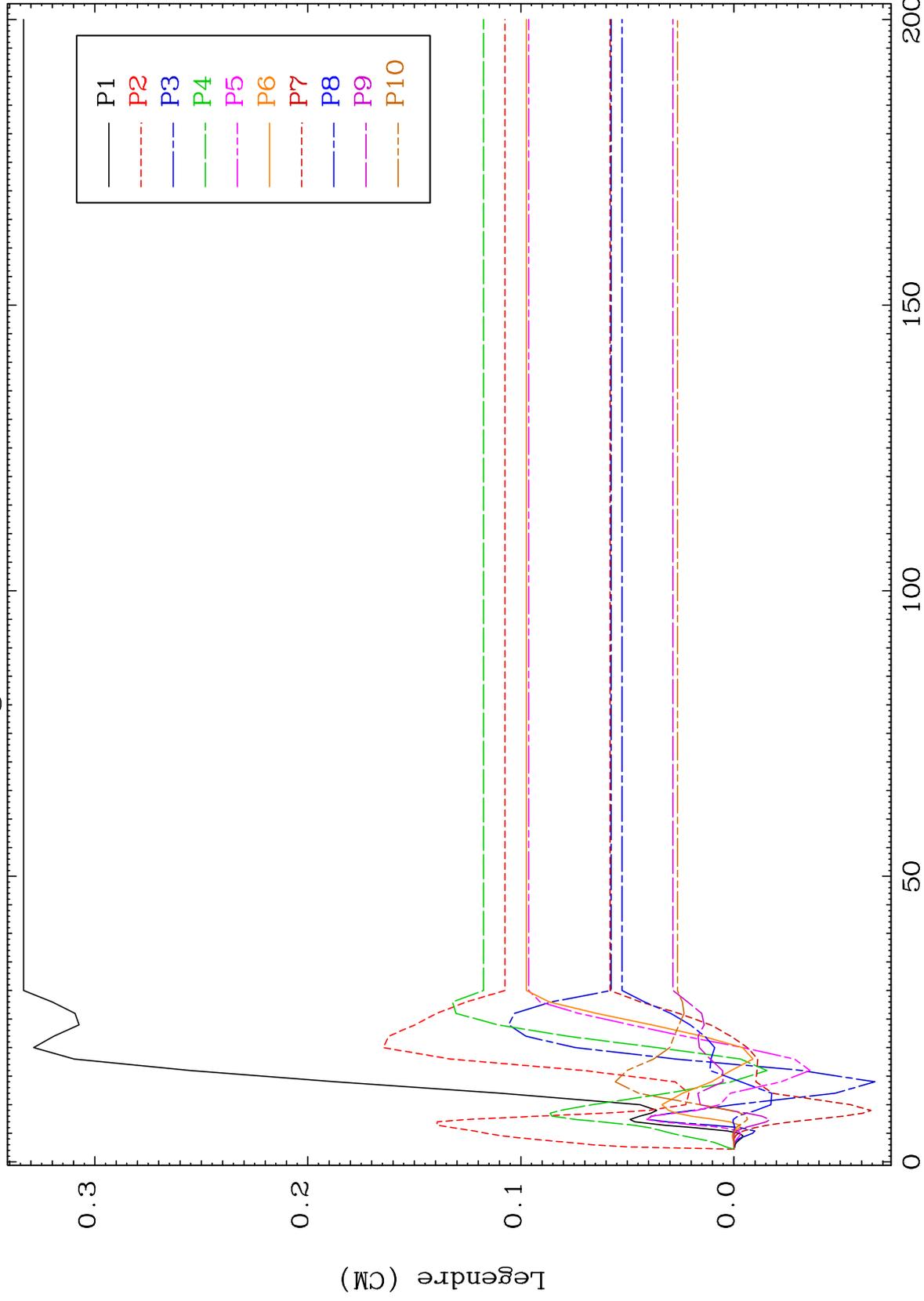
82-Pb-202



MAT 8219

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

82-Pb-202



82-Pb-202

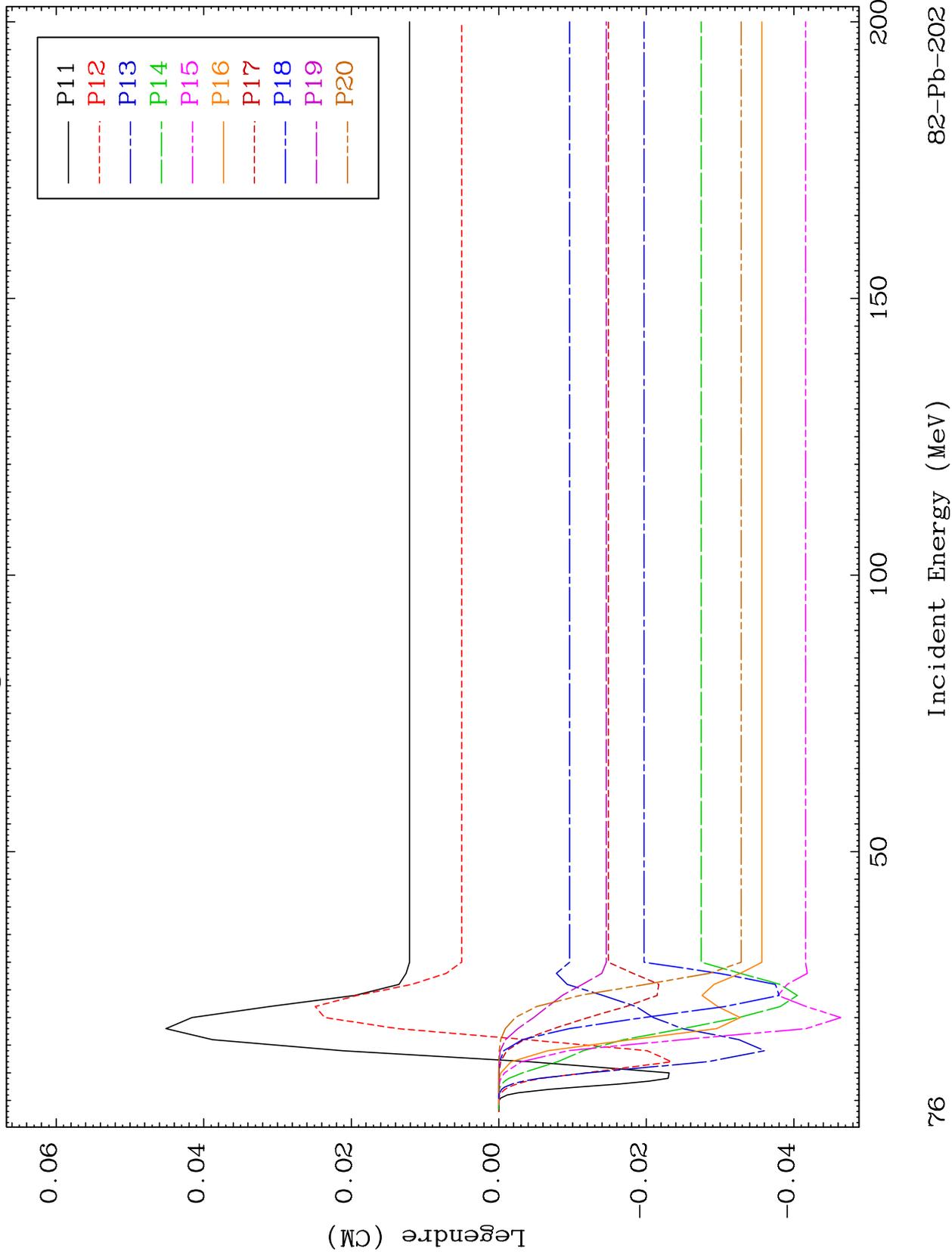
Incident Energy (MeV)

75

MAT 8219

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

82-Pb-202



76

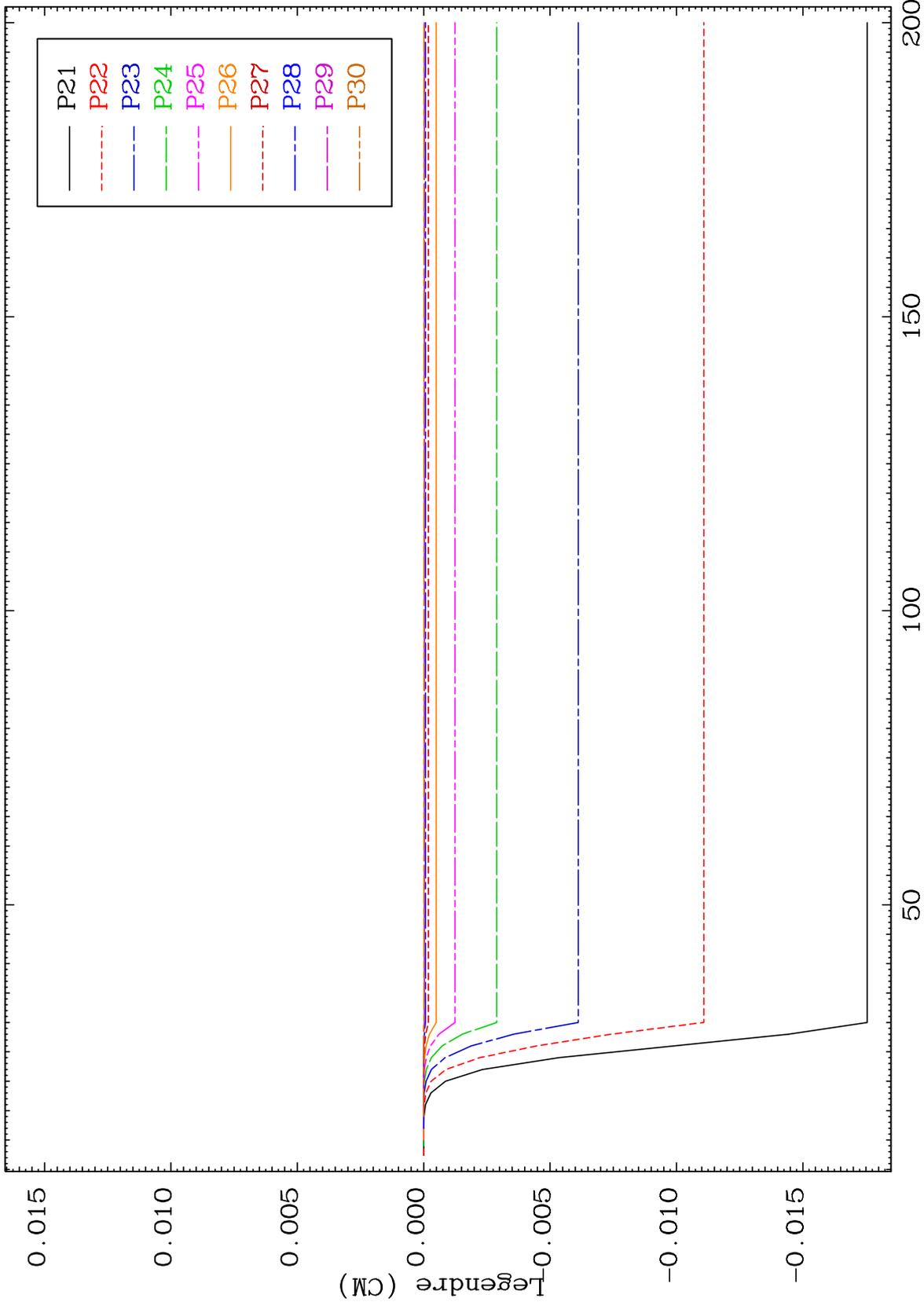
Incident Energy (MeV)

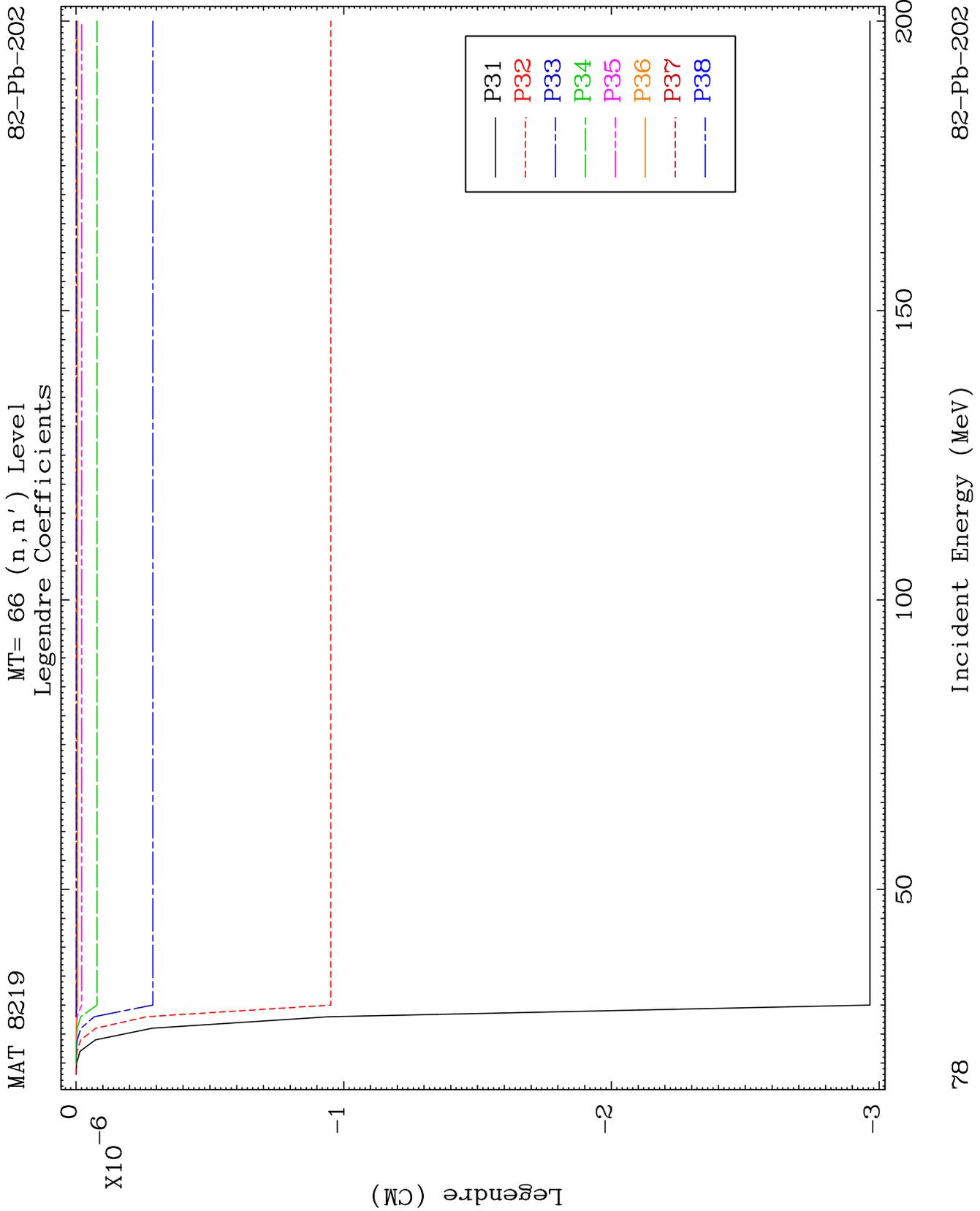
82-Pb-202

MAT 8219

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

82-Pb-202

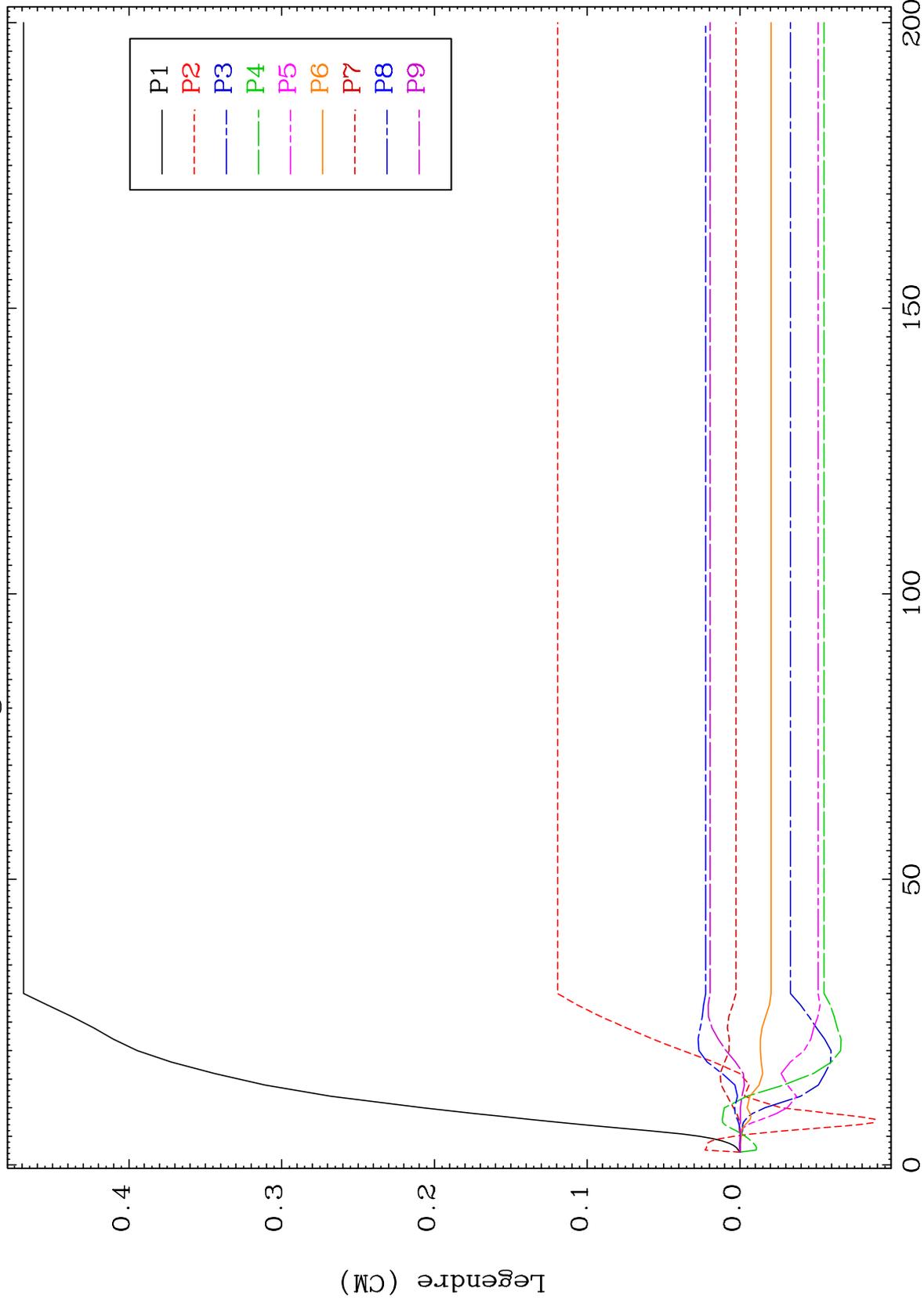




MAT 8219

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

82-Pb-202



79

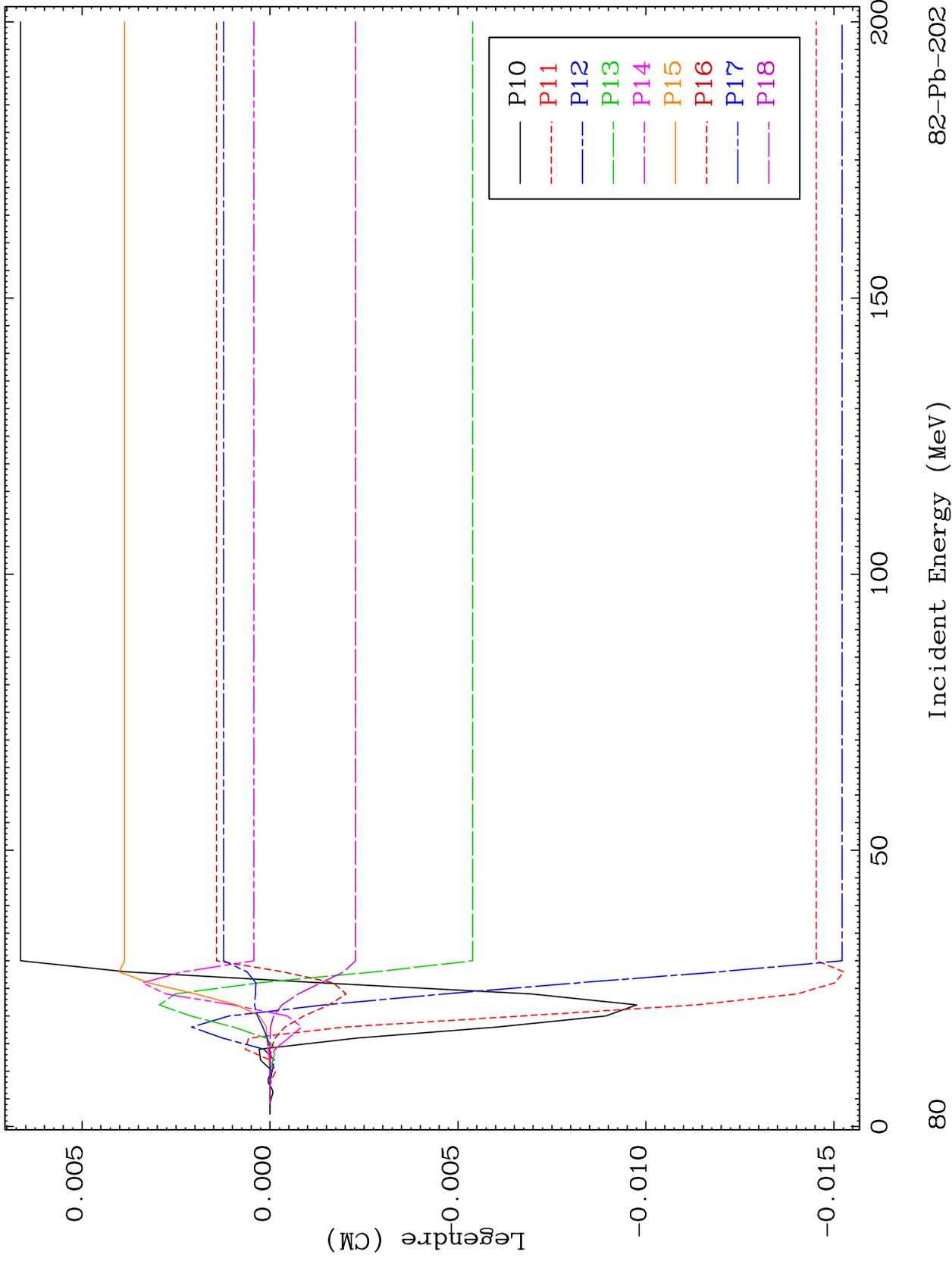
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

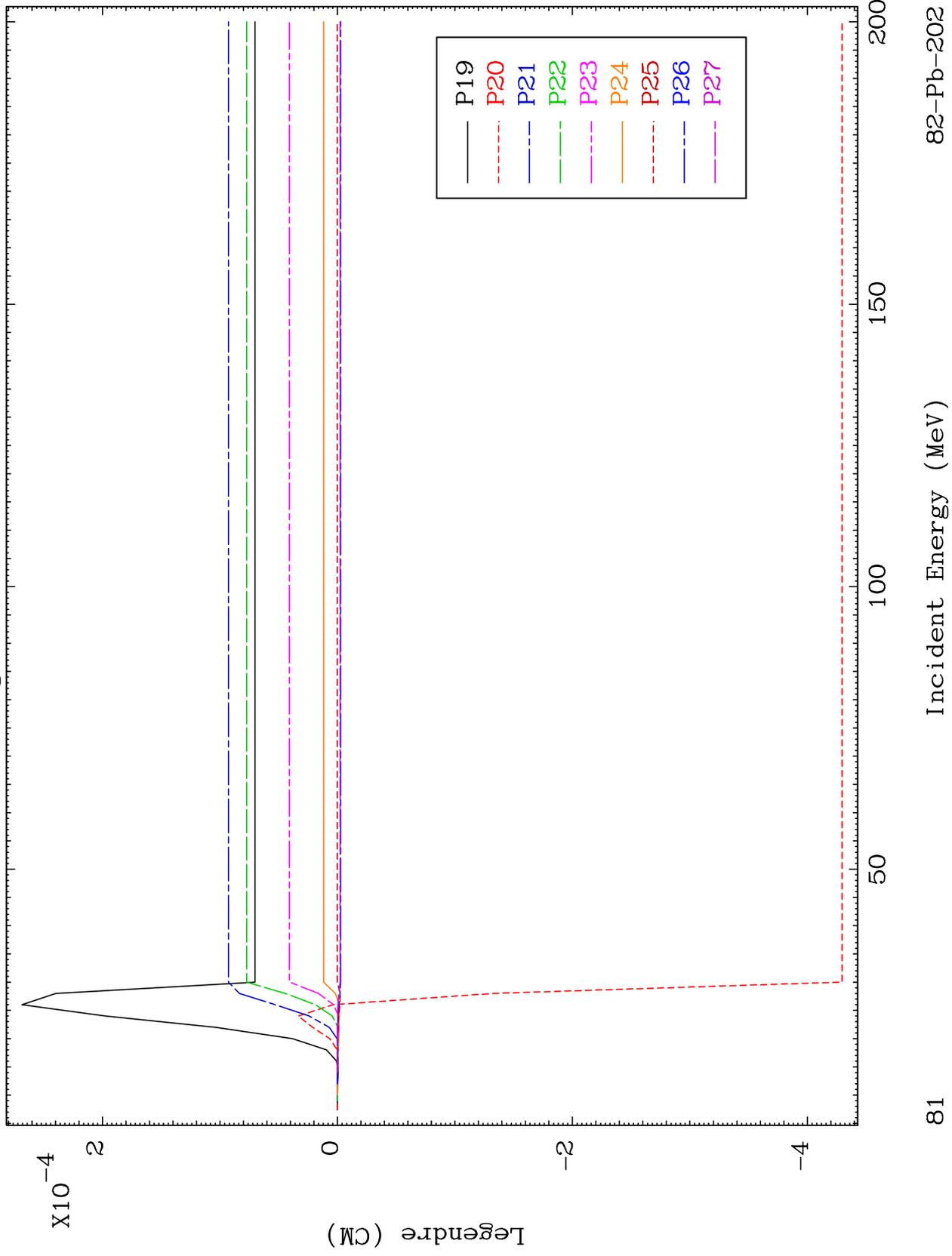
82-Pb-202



MAT 8219

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

82-Pb-202



81

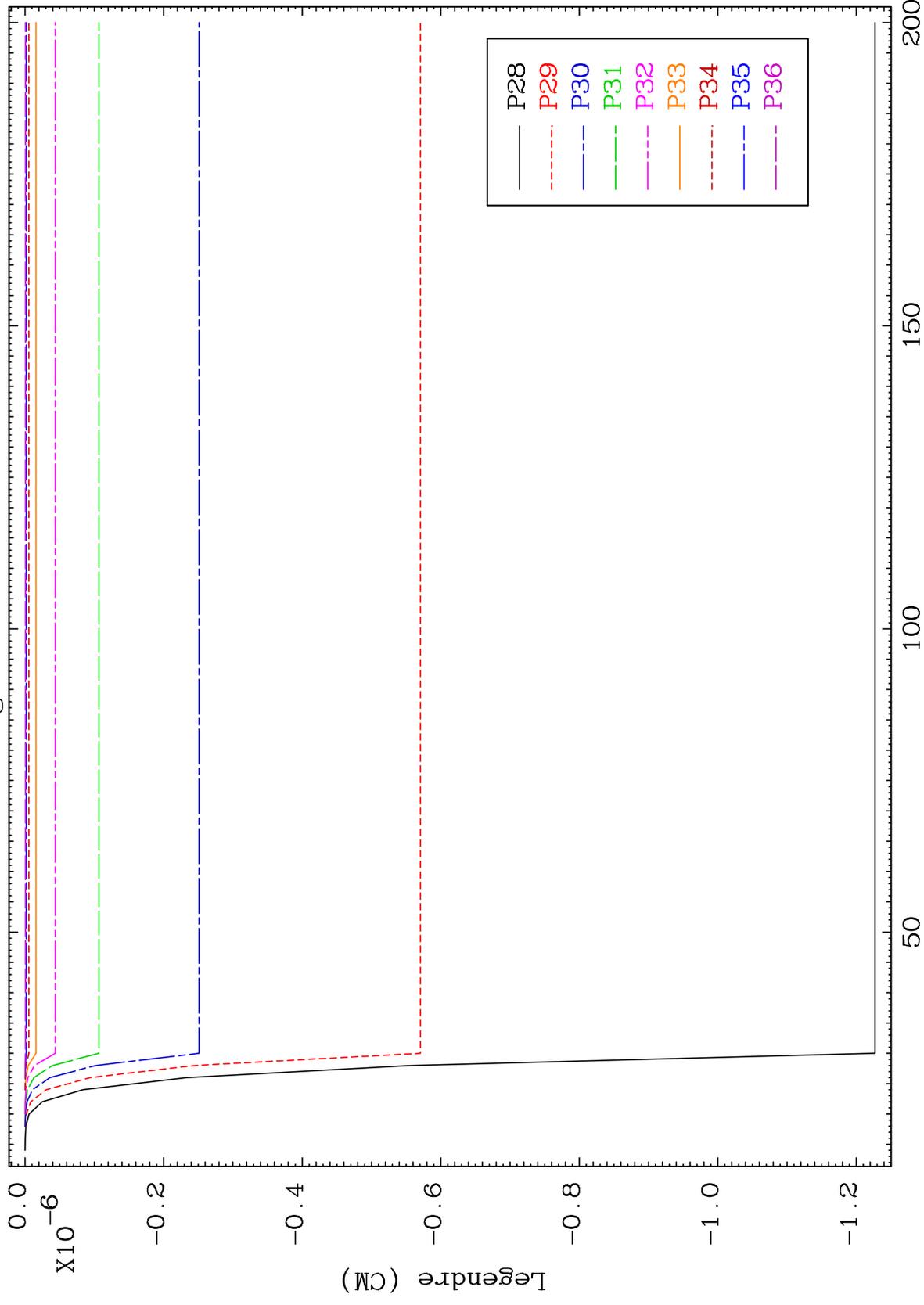
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82

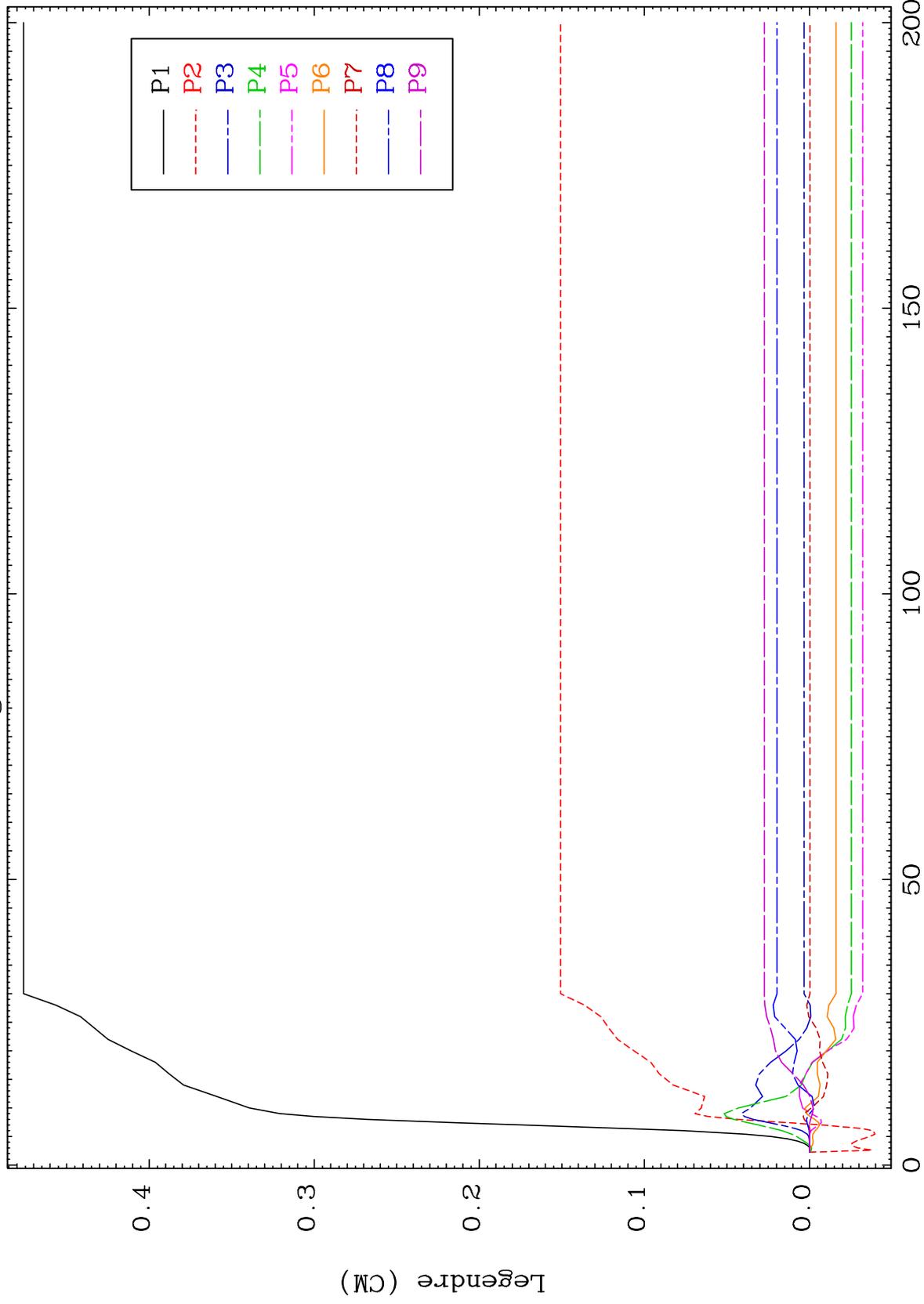
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



83

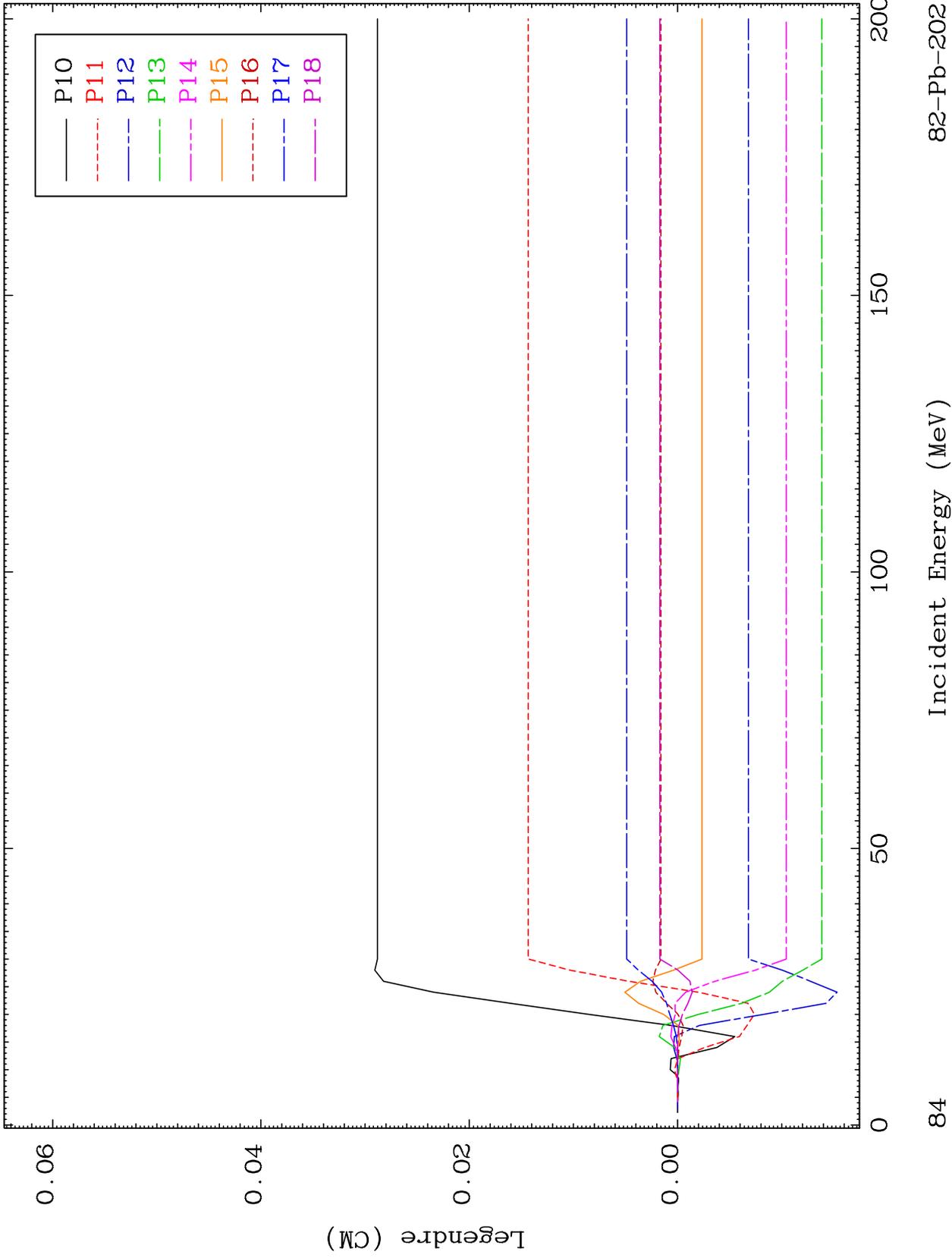
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



84

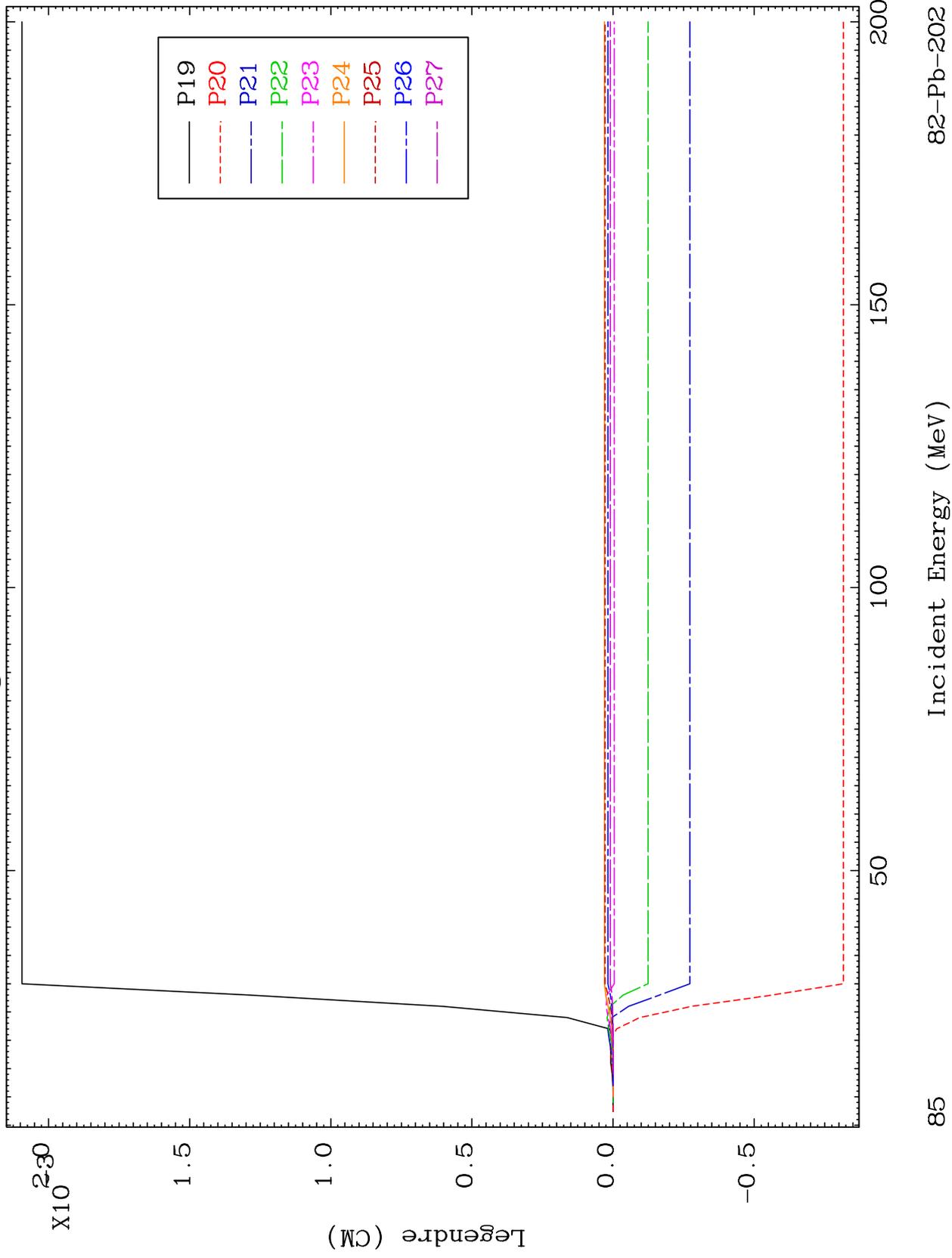
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



85

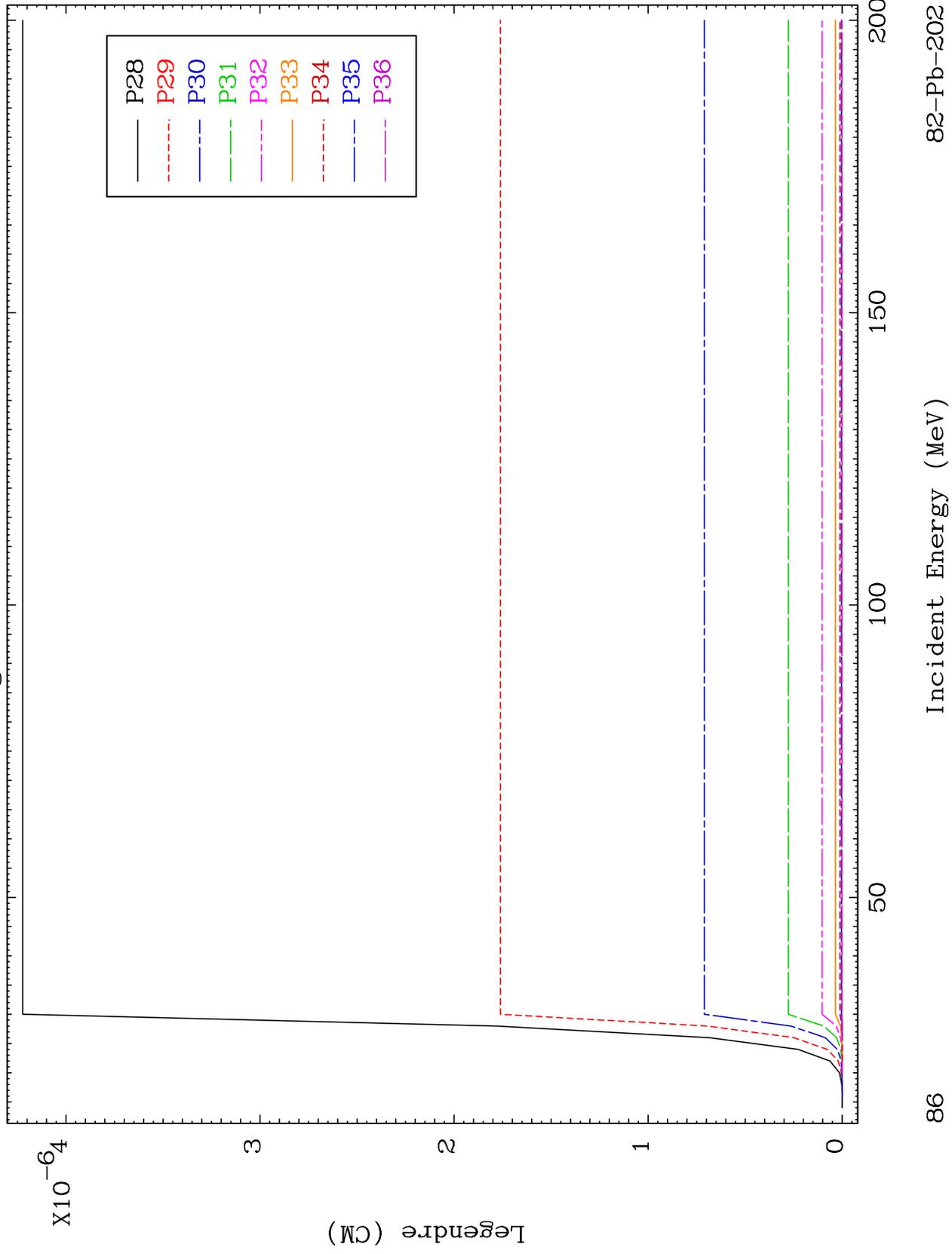
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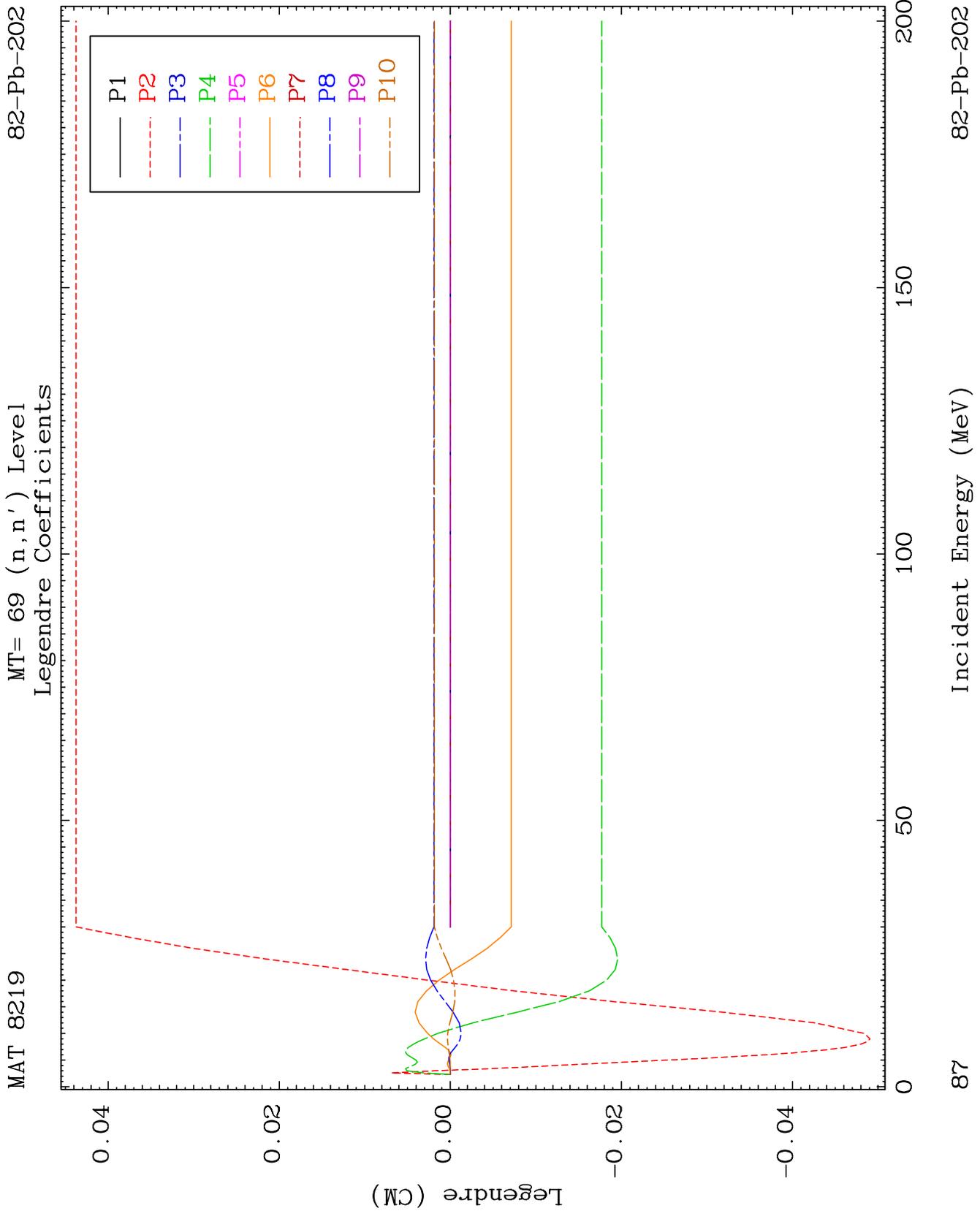
82-Pb-202

MAT 8219

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

82-Pb-202

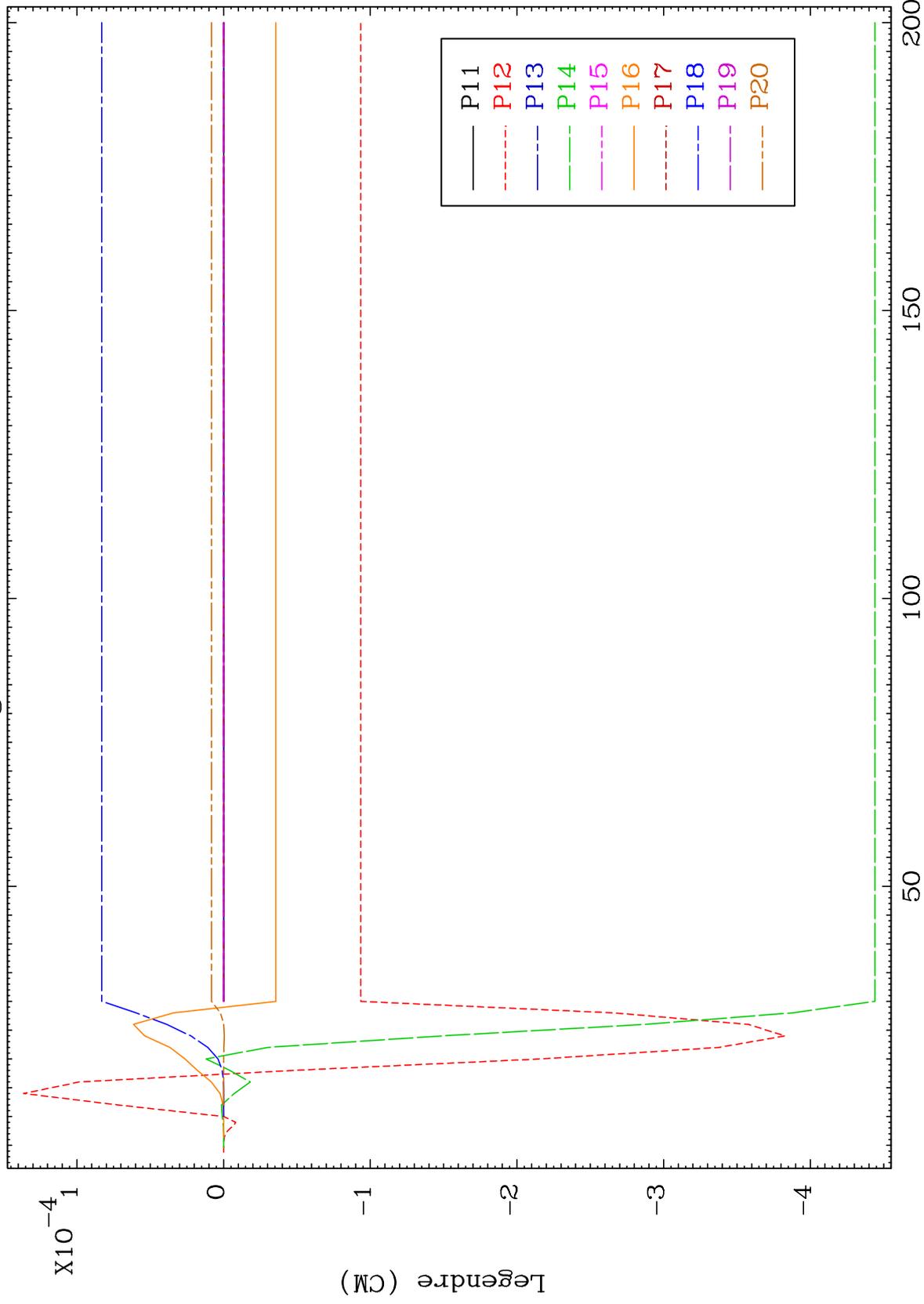




MAT 8219

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

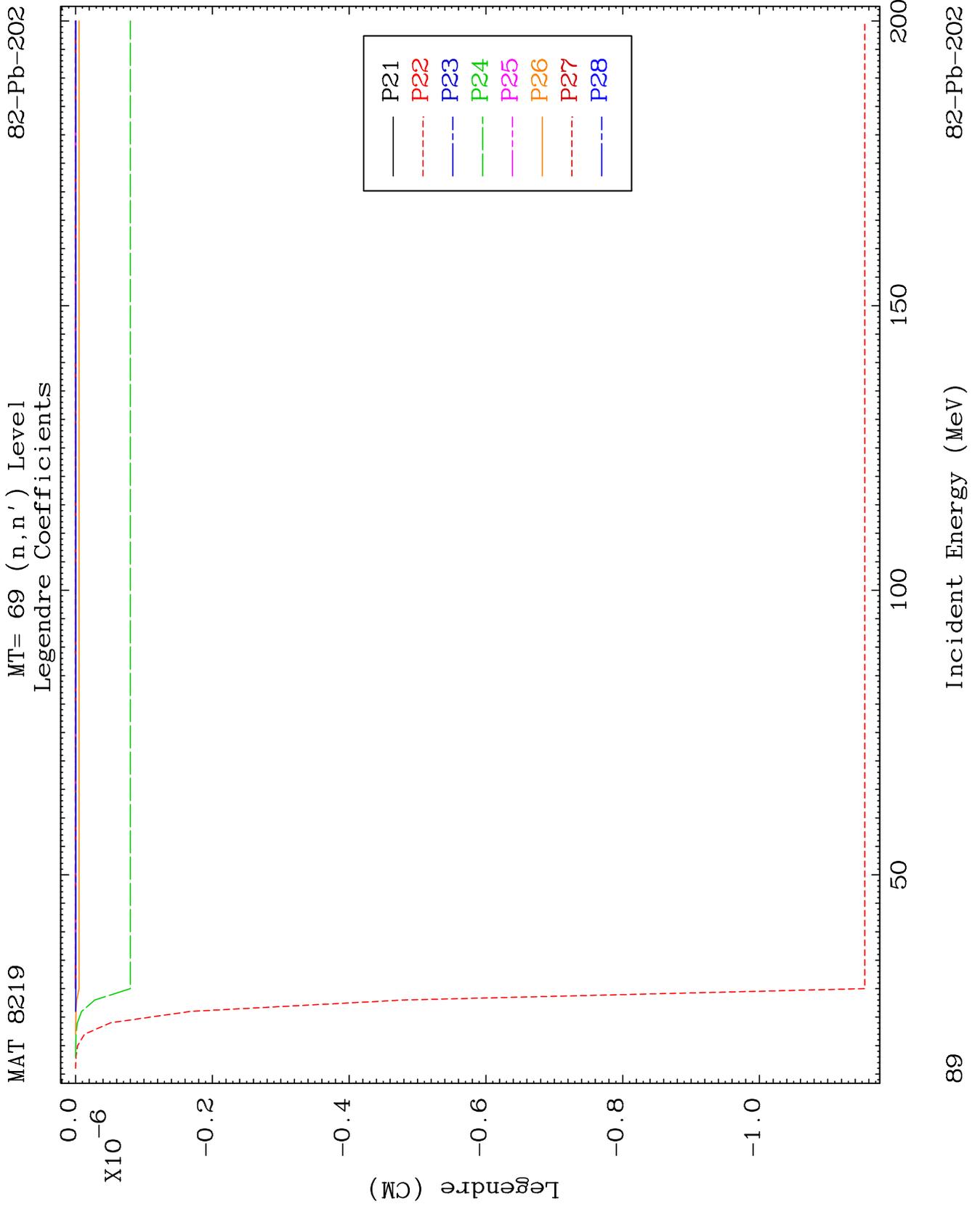
82-Pb-202



88

Incident Energy (MeV)

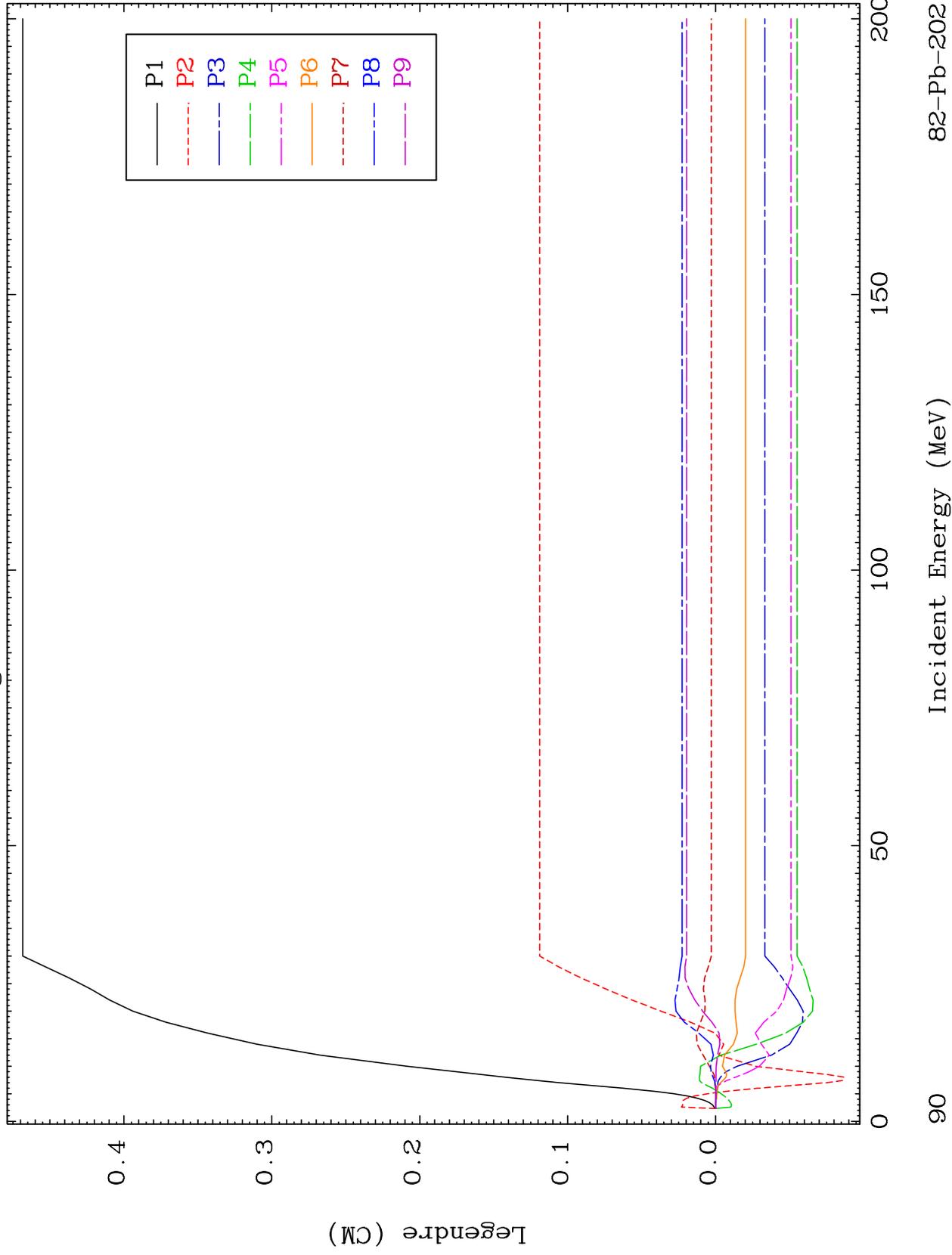
82-Pb-202



MAT 8219

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

82-Pb-202



82-Pb-202

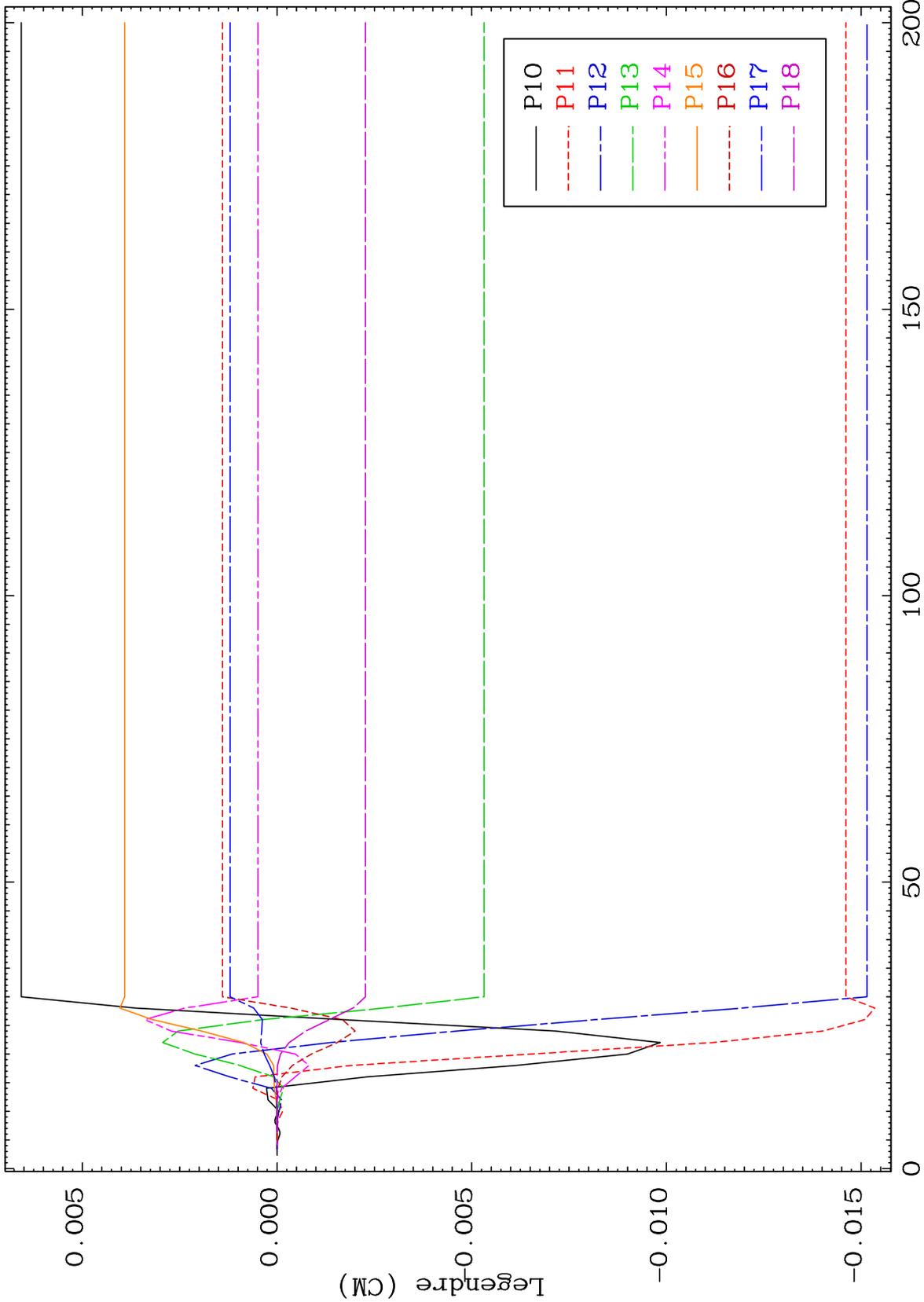
Incident Energy (MeV)

90

MAT 8219

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

82-Pb-202



91

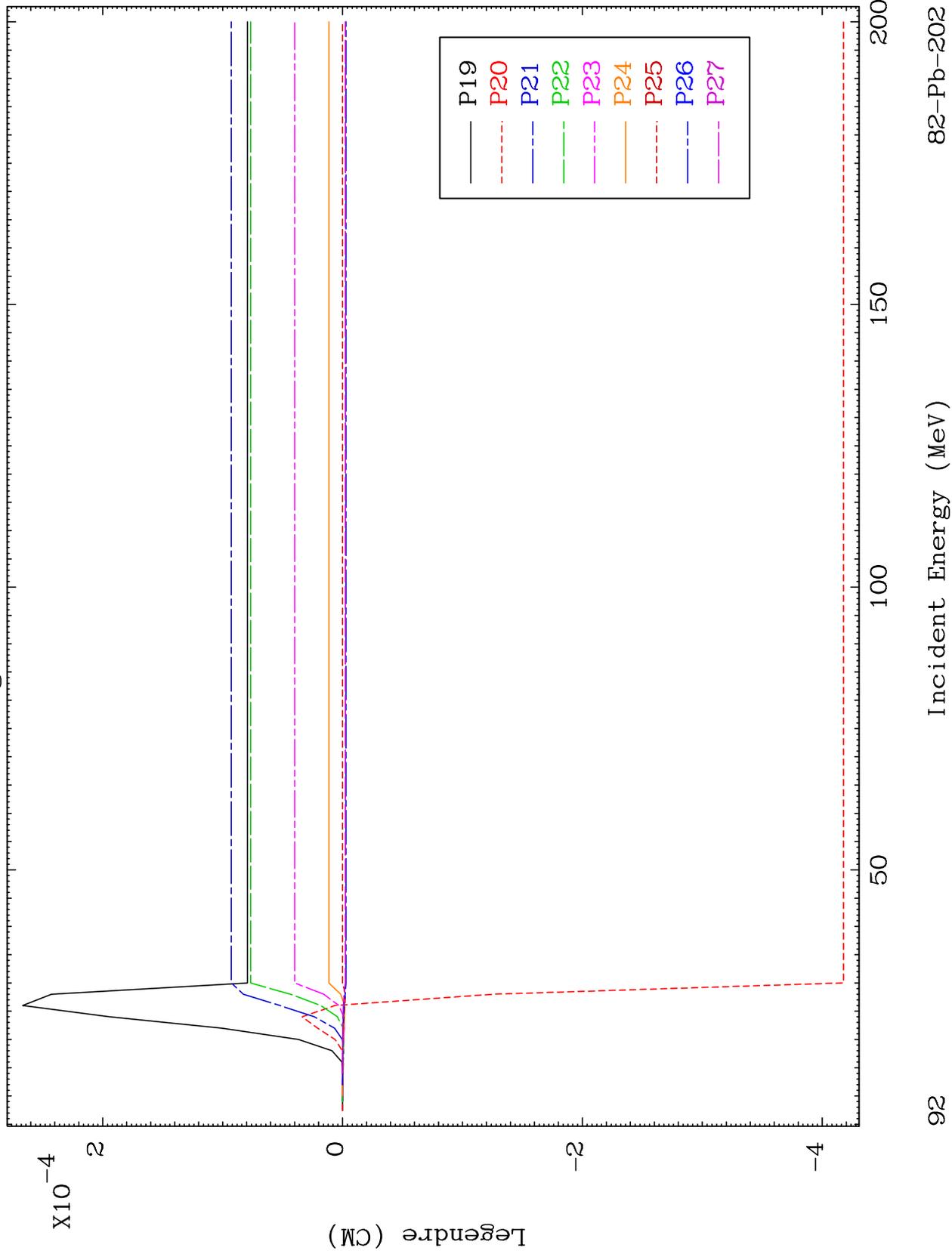
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

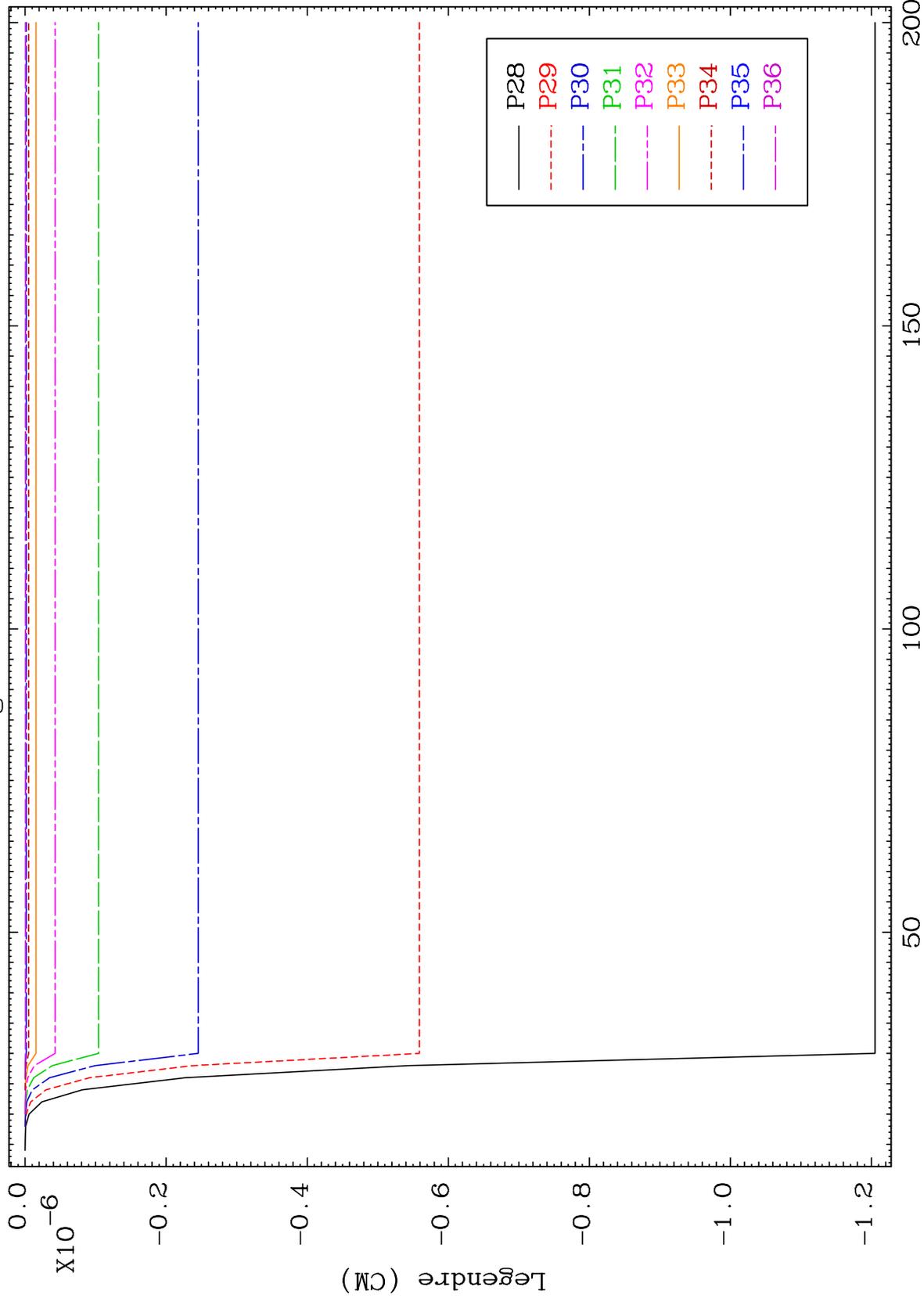
82-Pb-202



MAT 8219

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

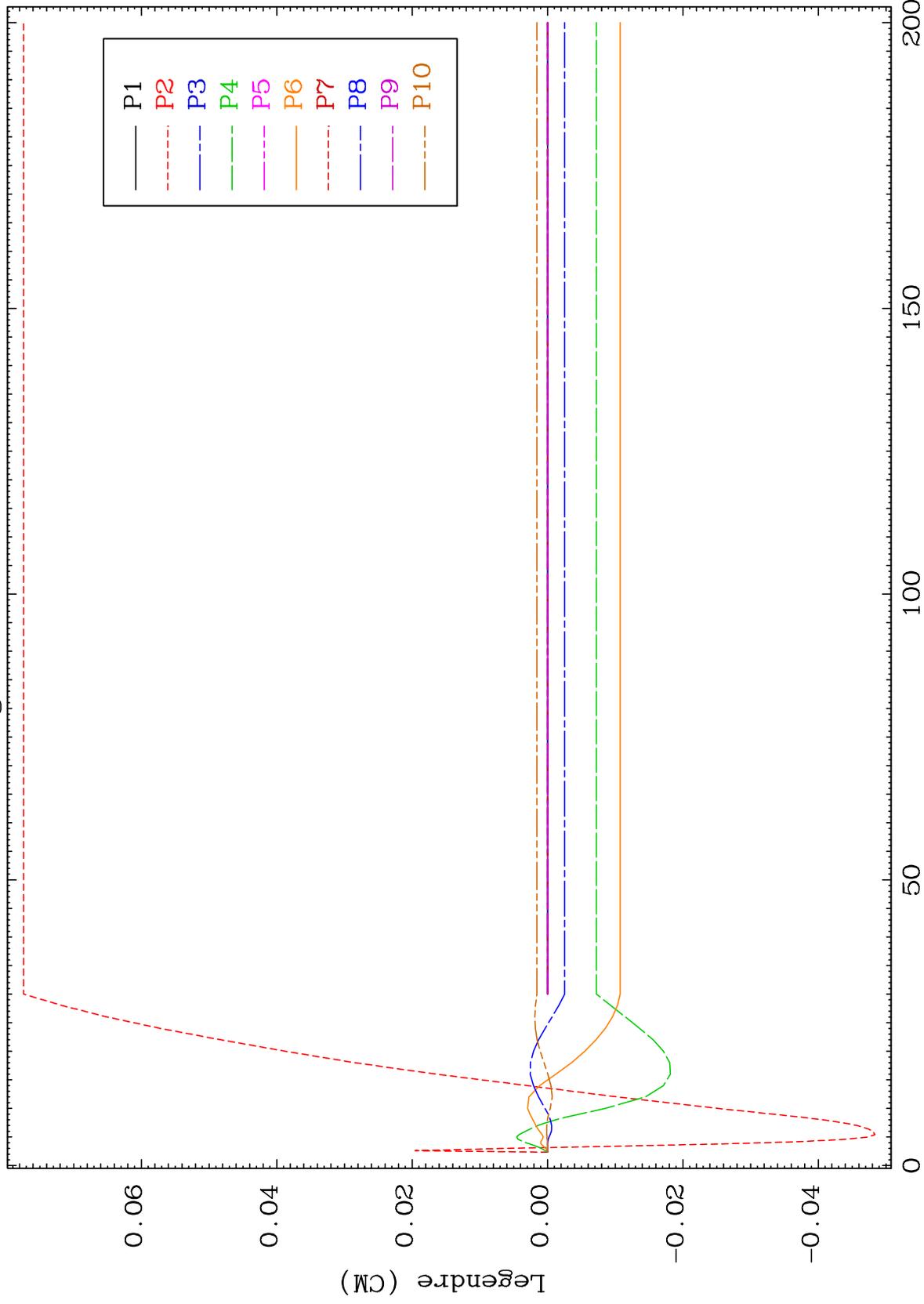
82-Pb-202



MAT 8219

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

82-Pb-202



94

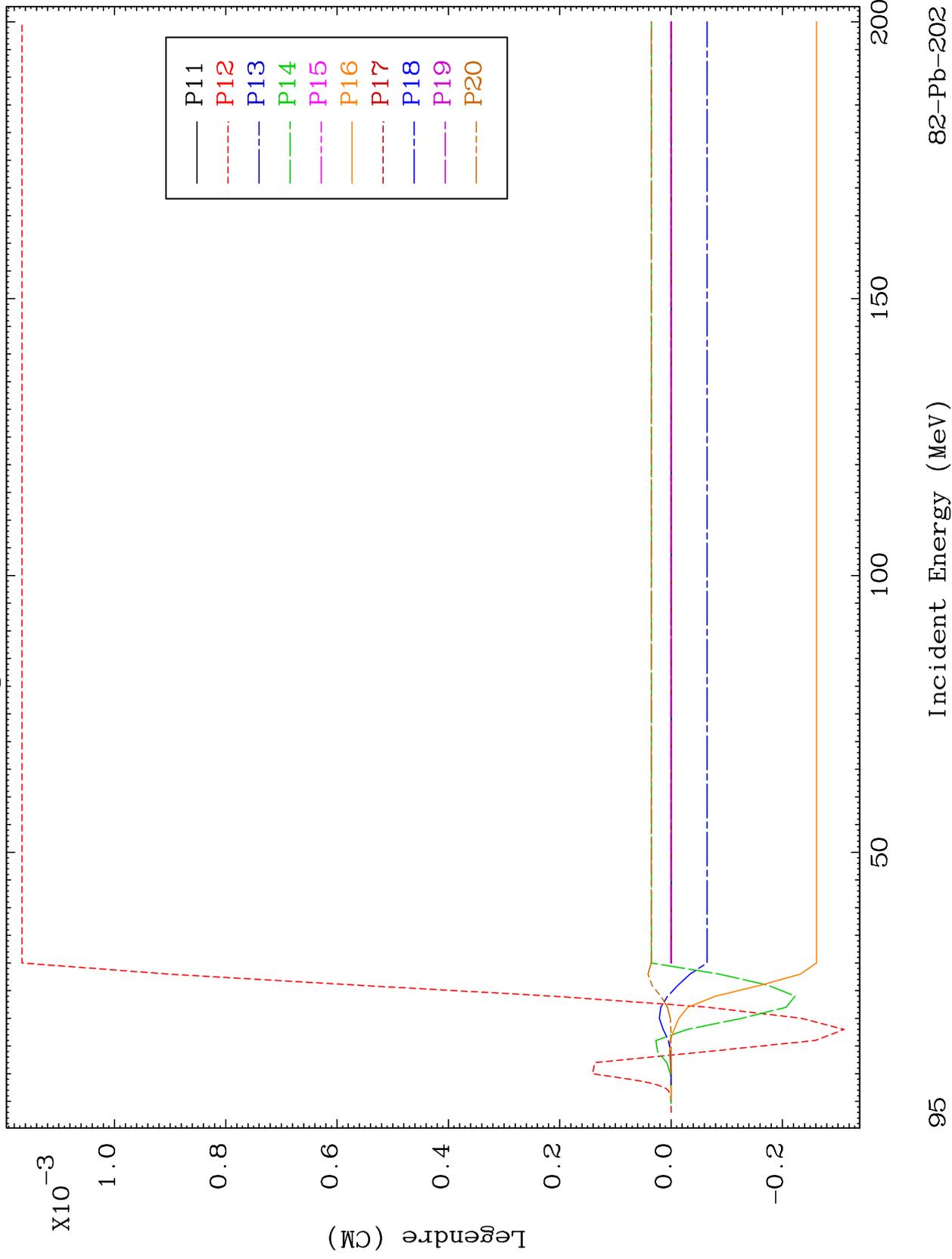
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

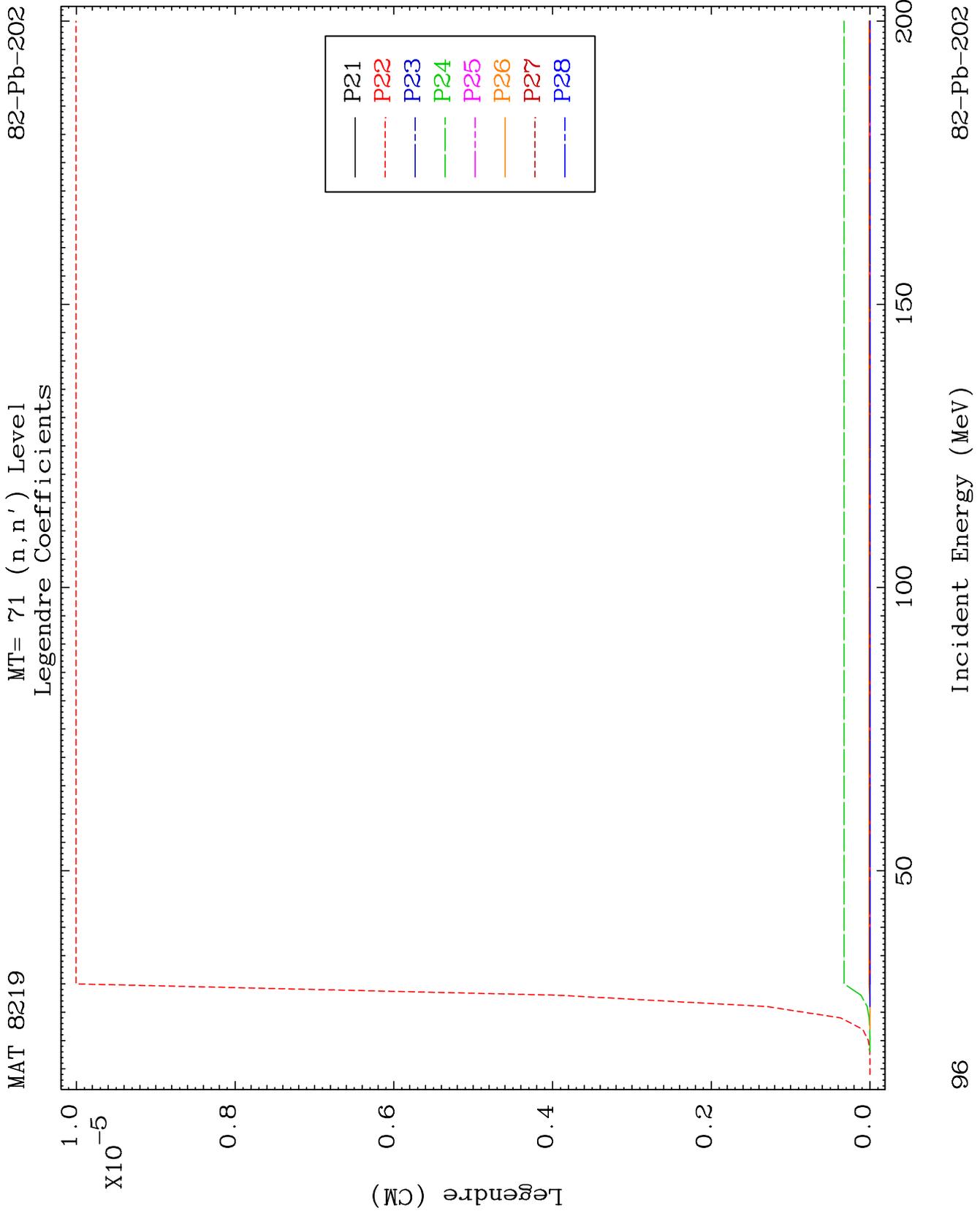
82-Pb-202



95

Incident Energy (MeV)

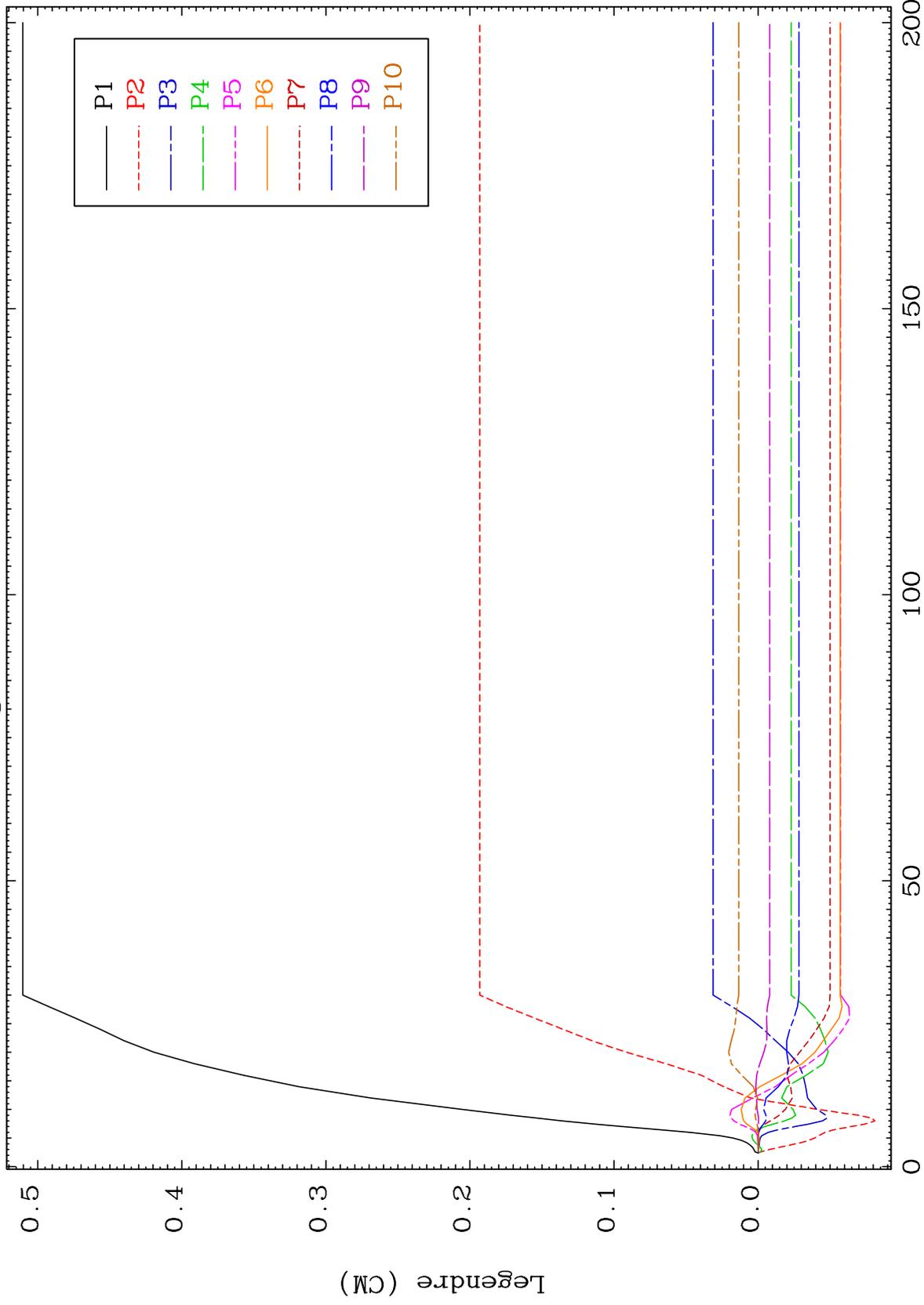
82-Pb-202



MAT 8219

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

82-Pb-202



97

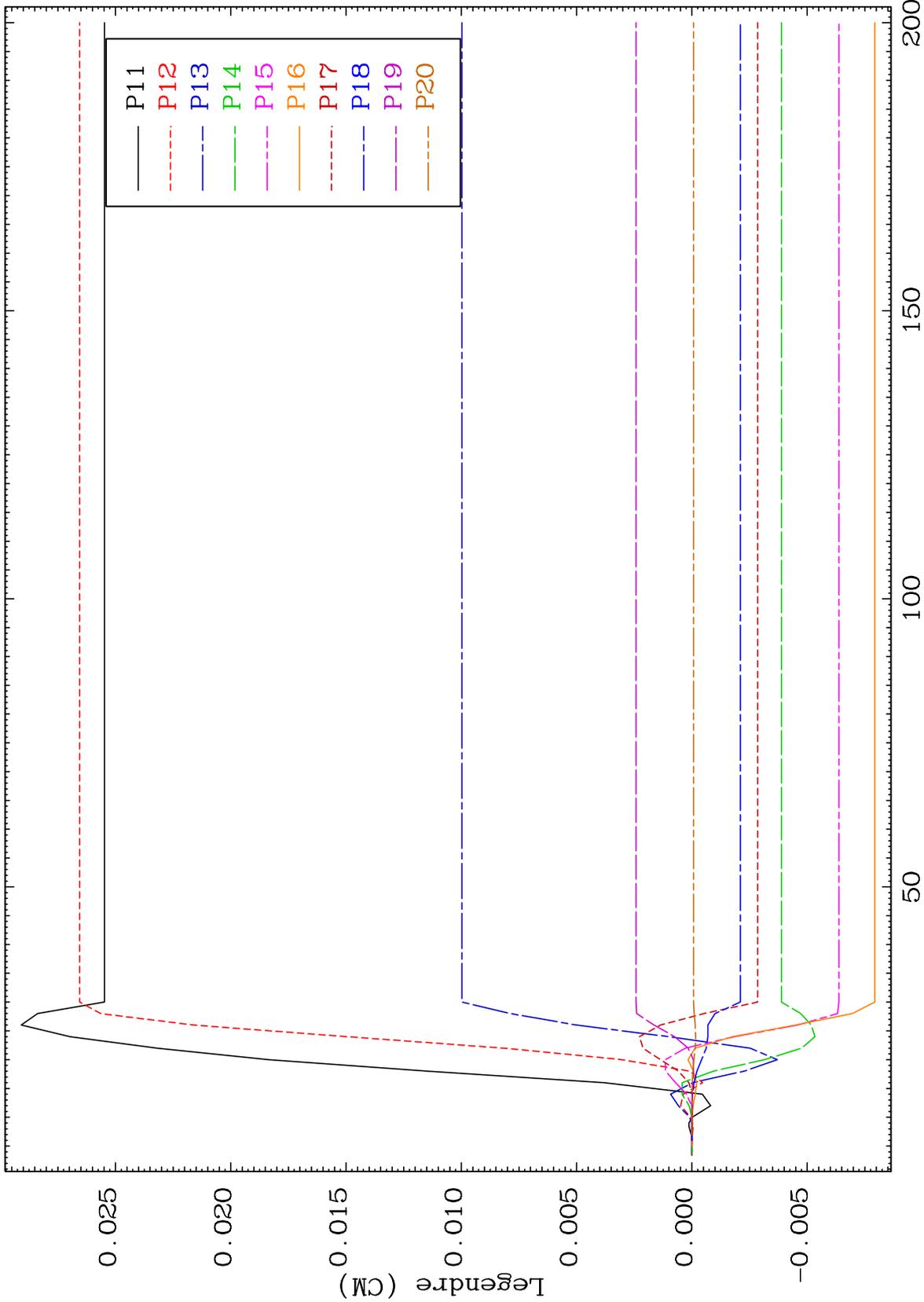
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

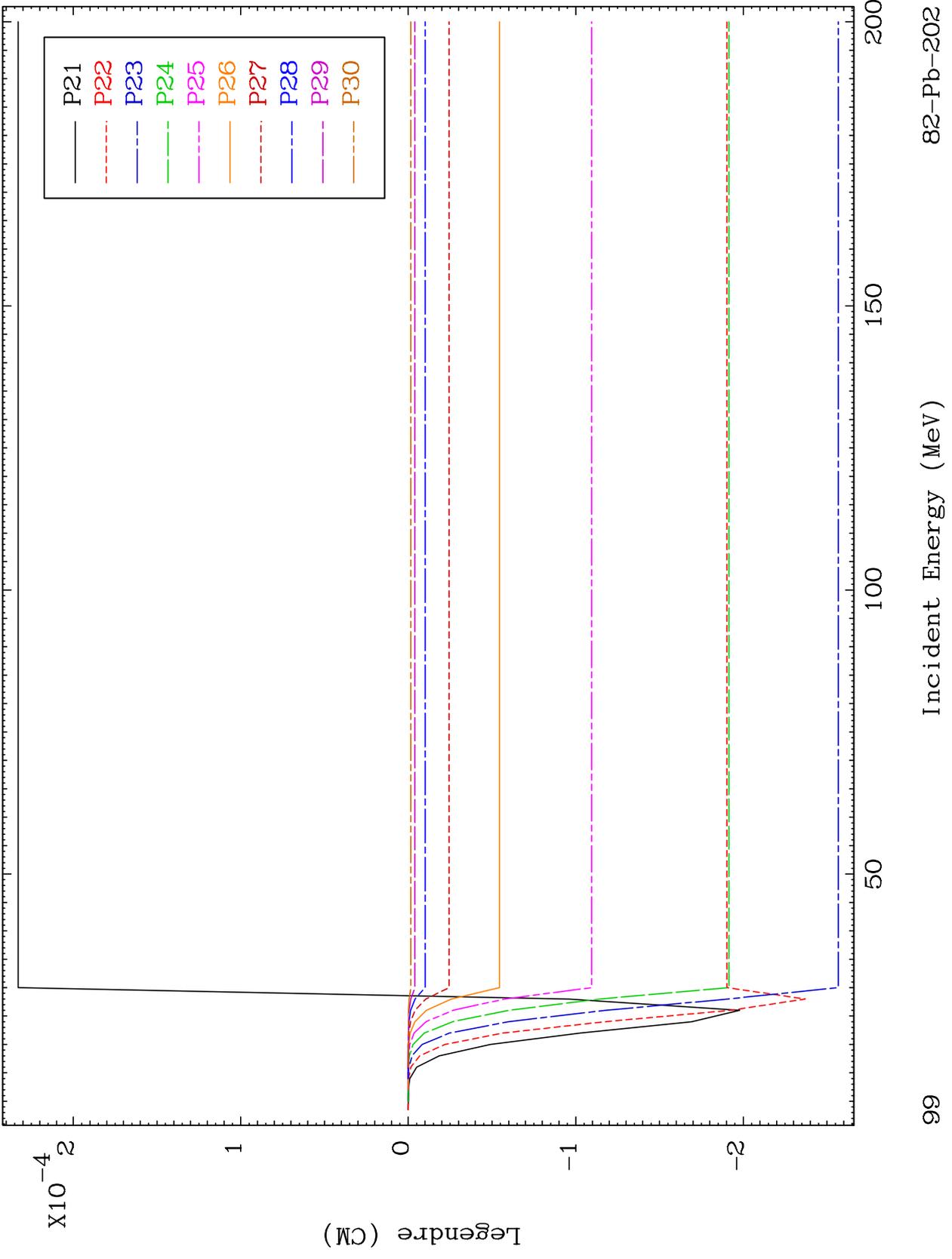
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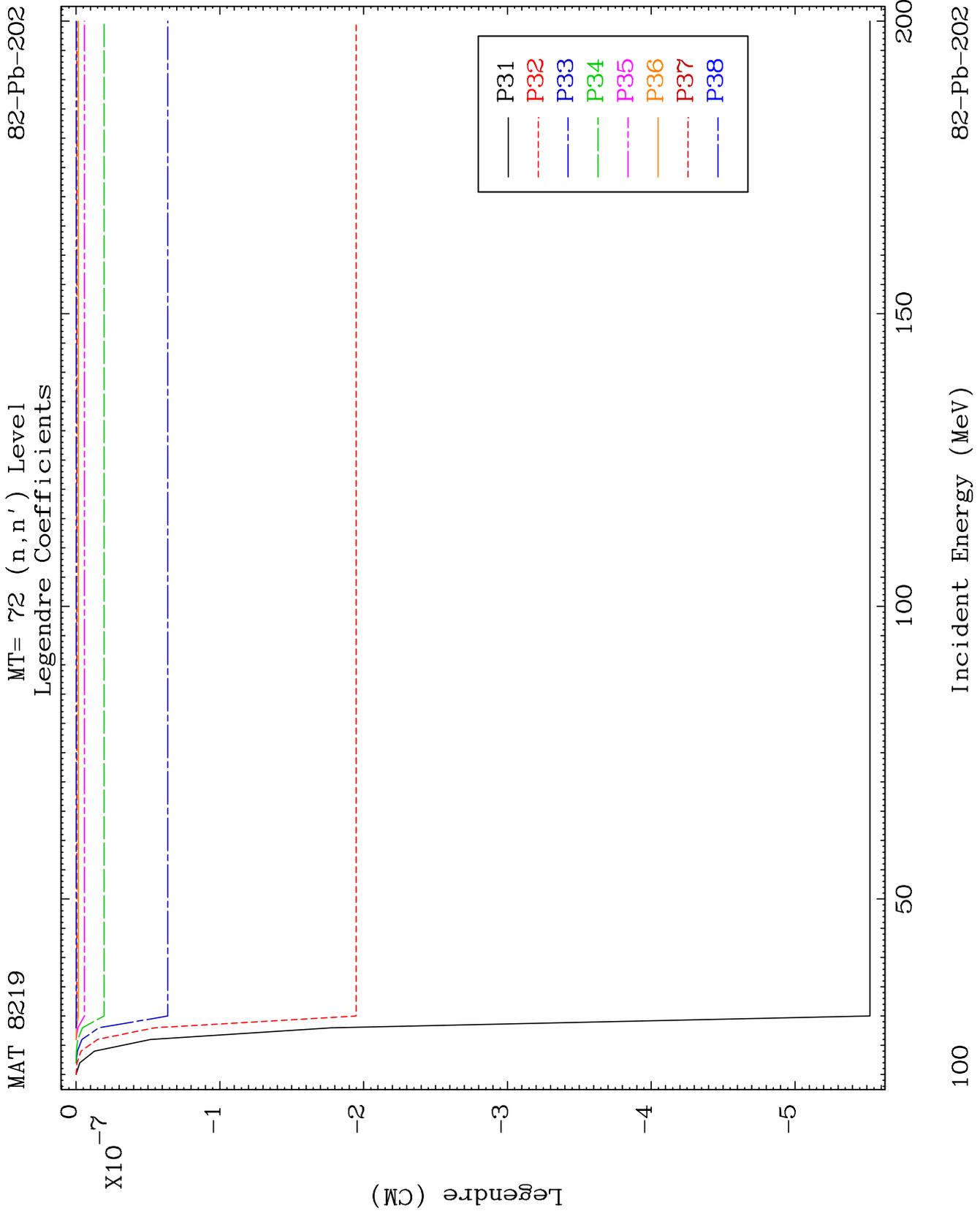


MAT 8219

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

82-Pb-202

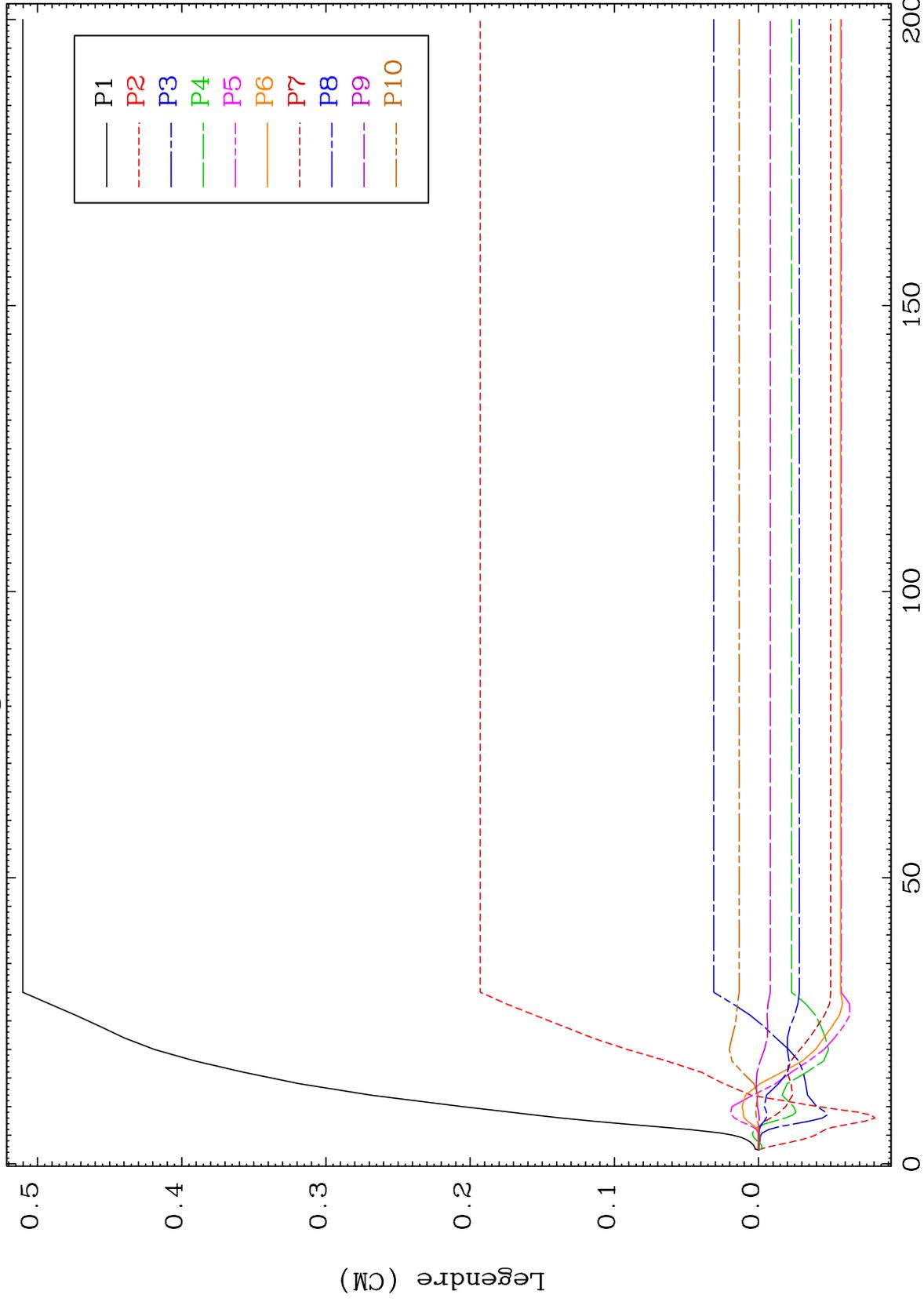




MAT 8219

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

82-Pb-202



101

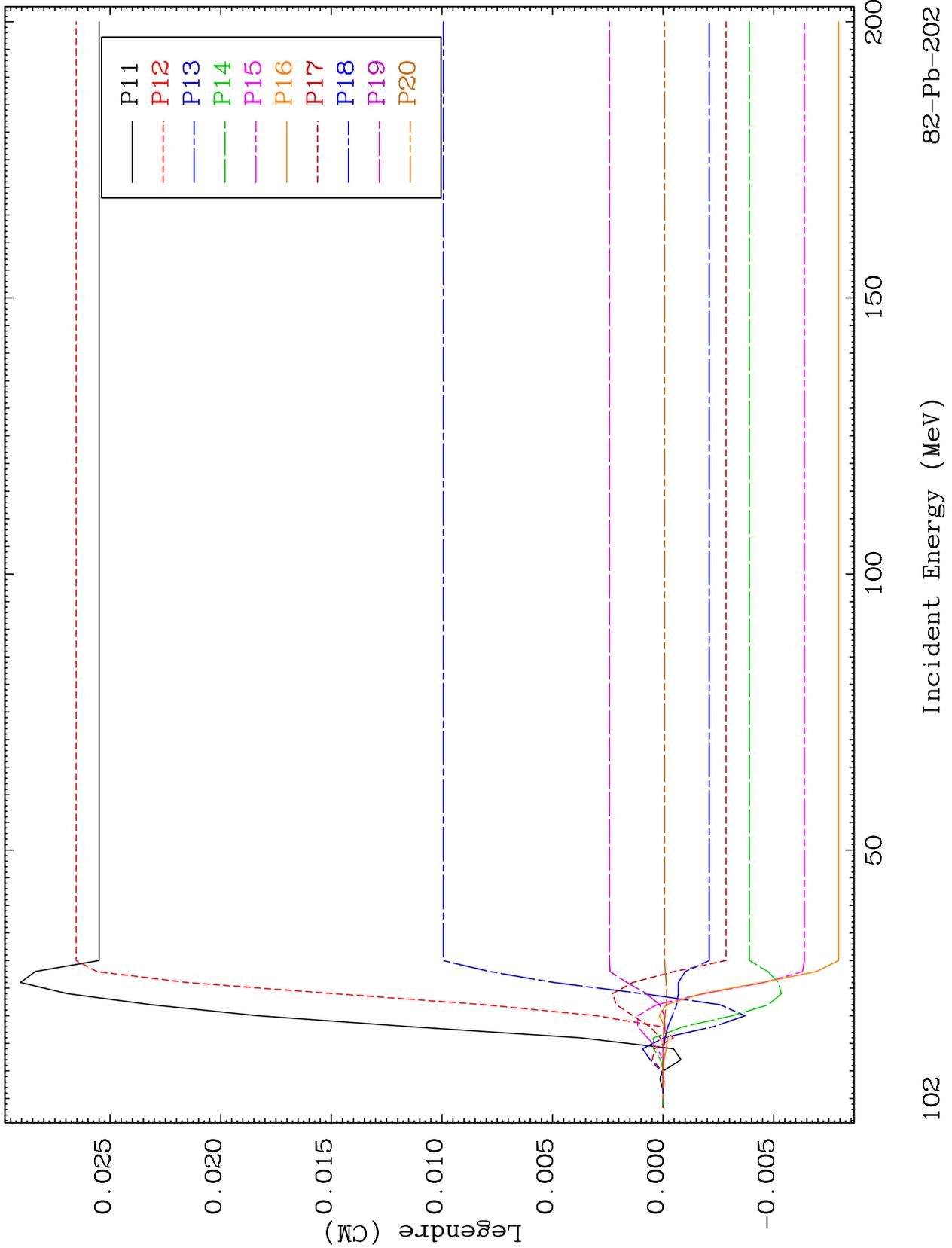
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

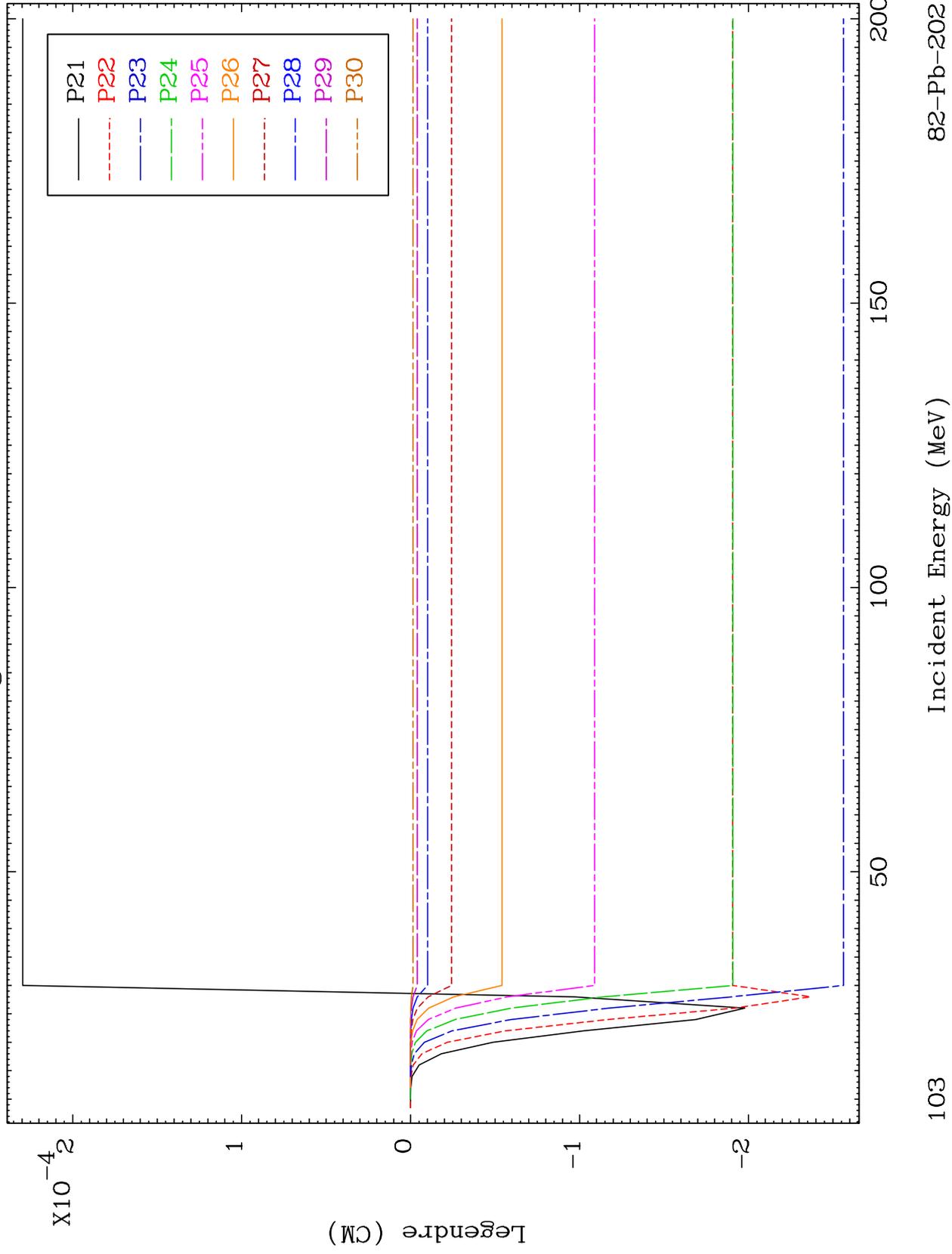
82-Pb-202



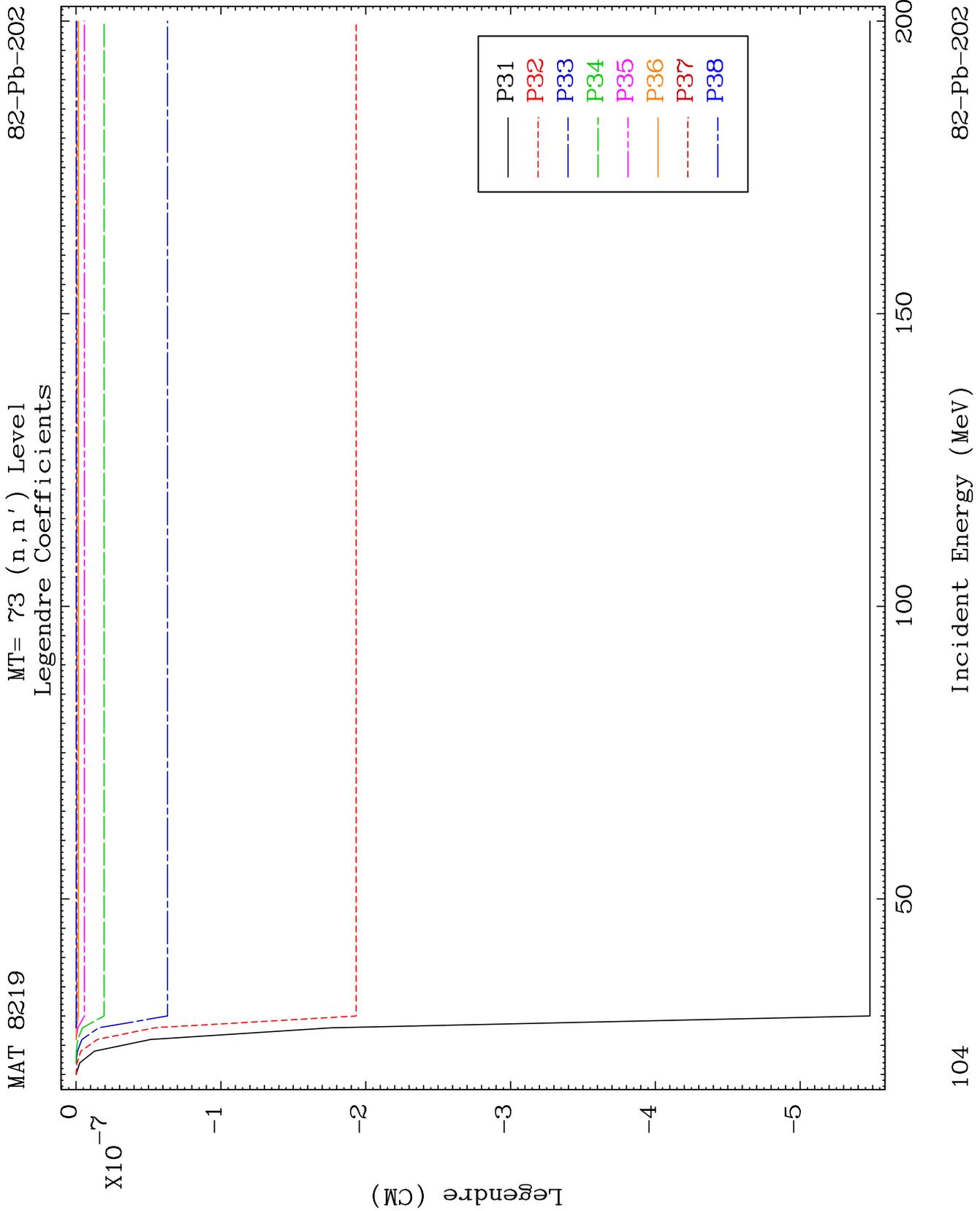
MAT 8219

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

82-Pb-202



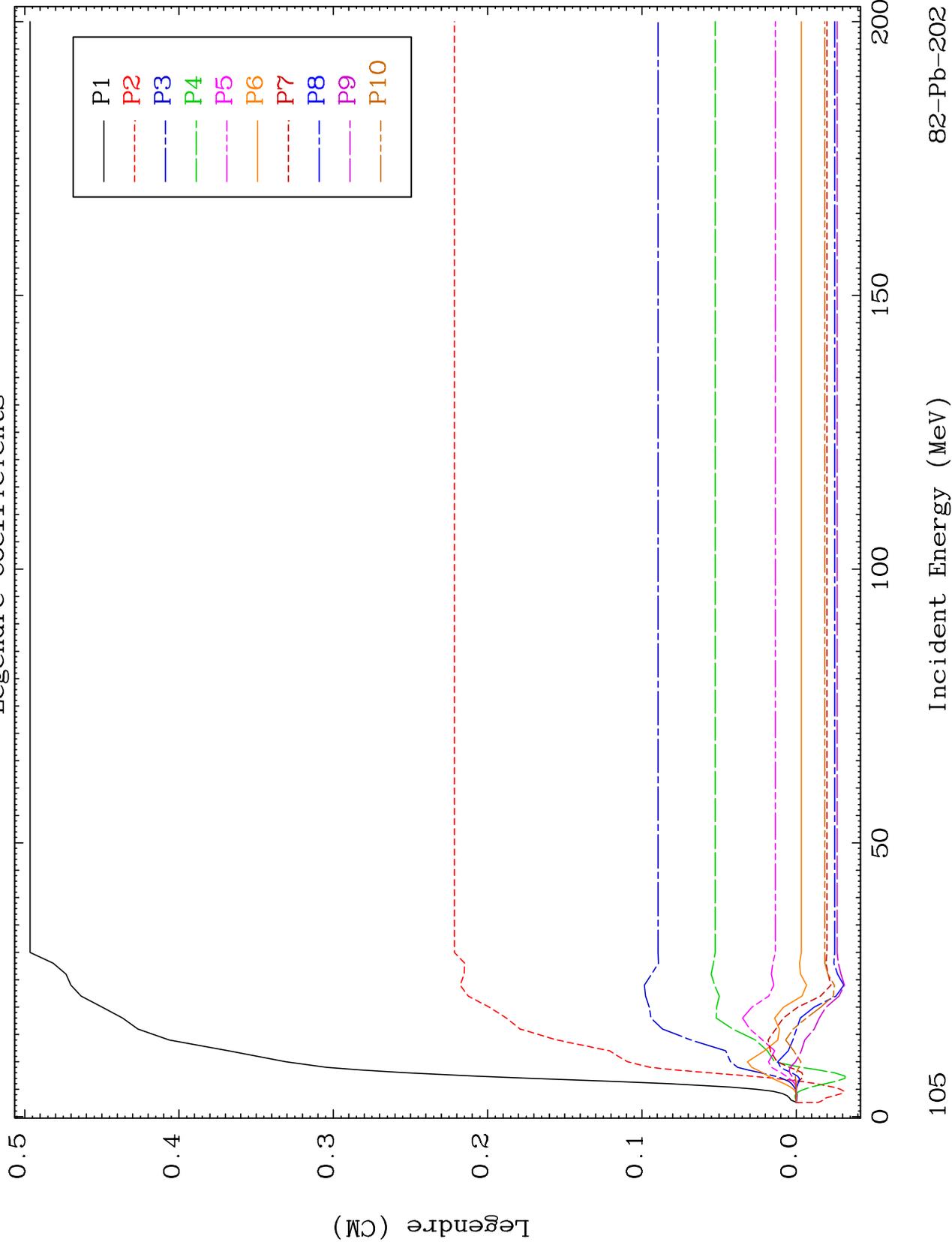
103



MAT 8219

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

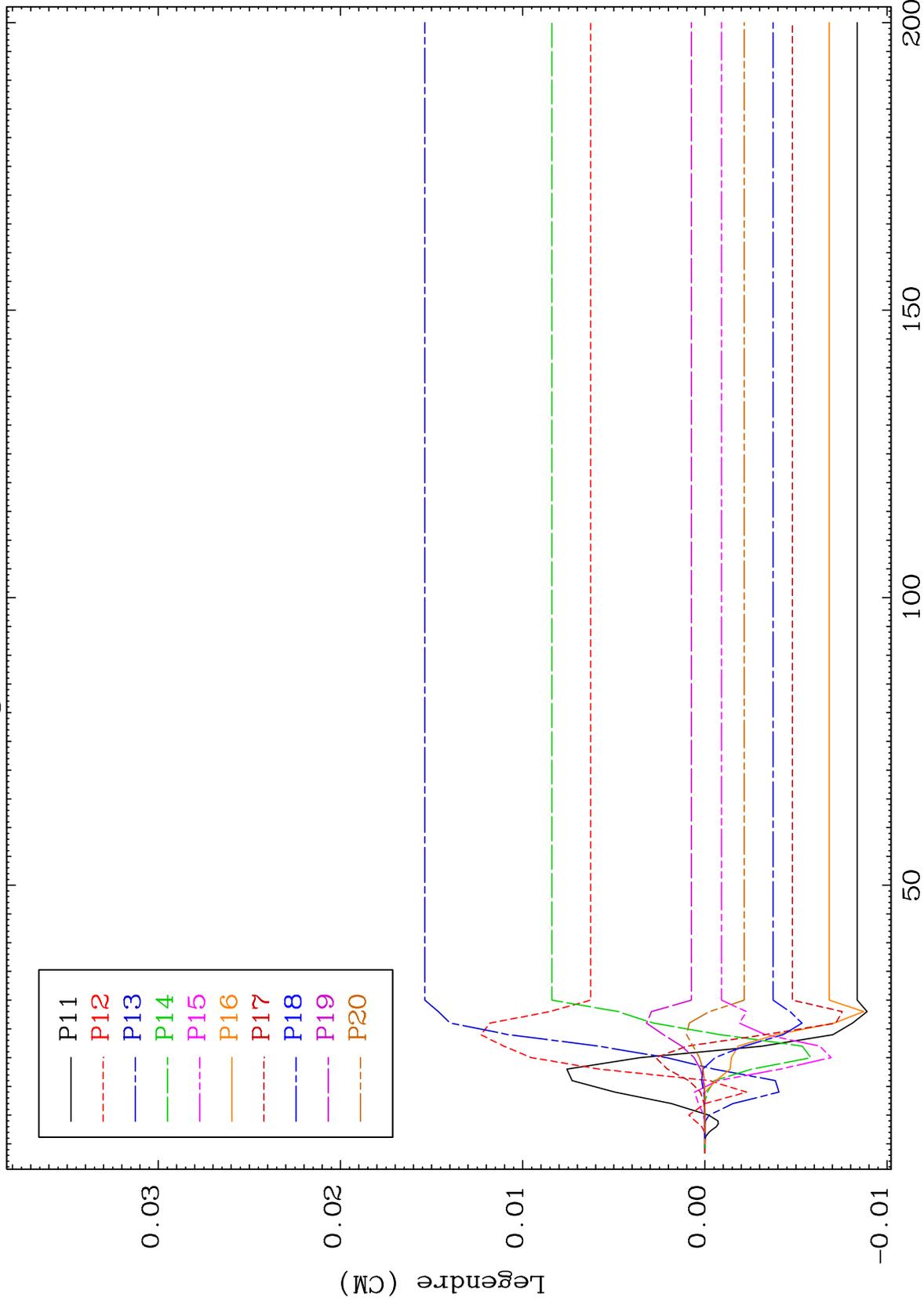
82-Pb-202



MAT 8219

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

82-Pb-202



106

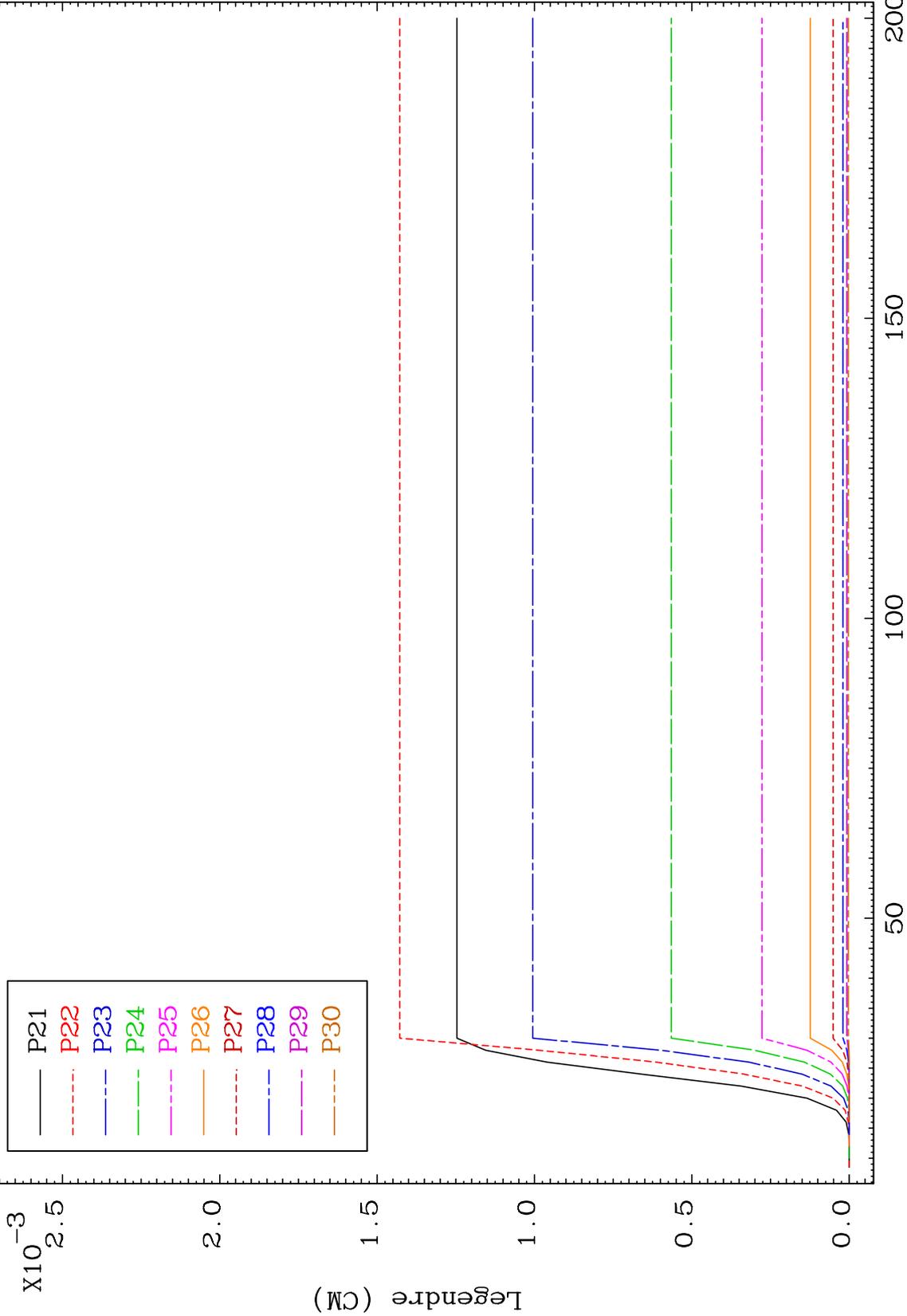
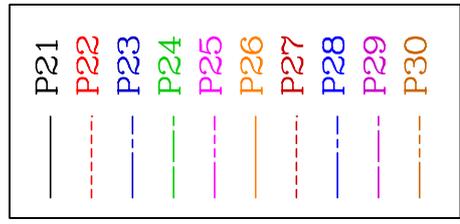
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



107

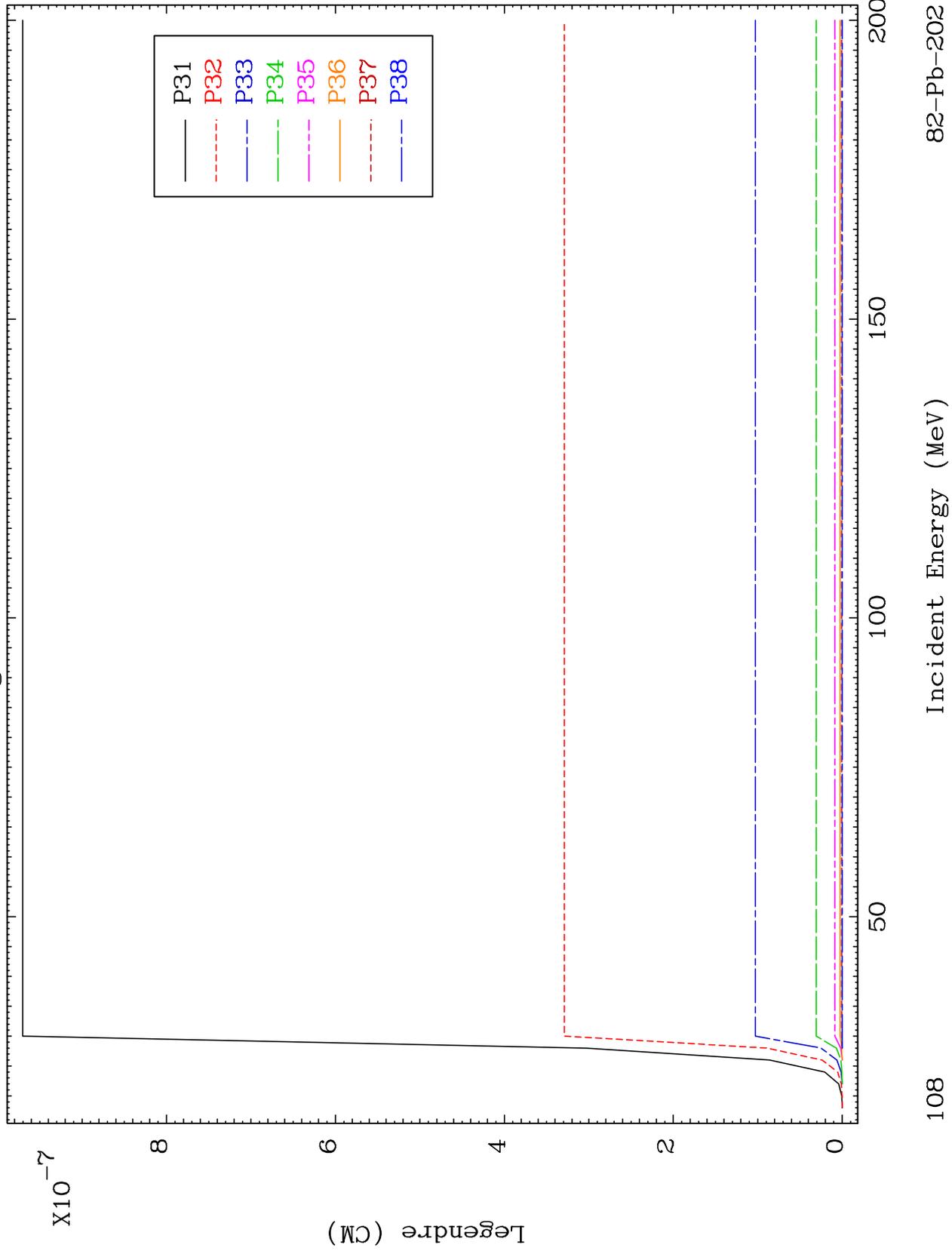
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



108

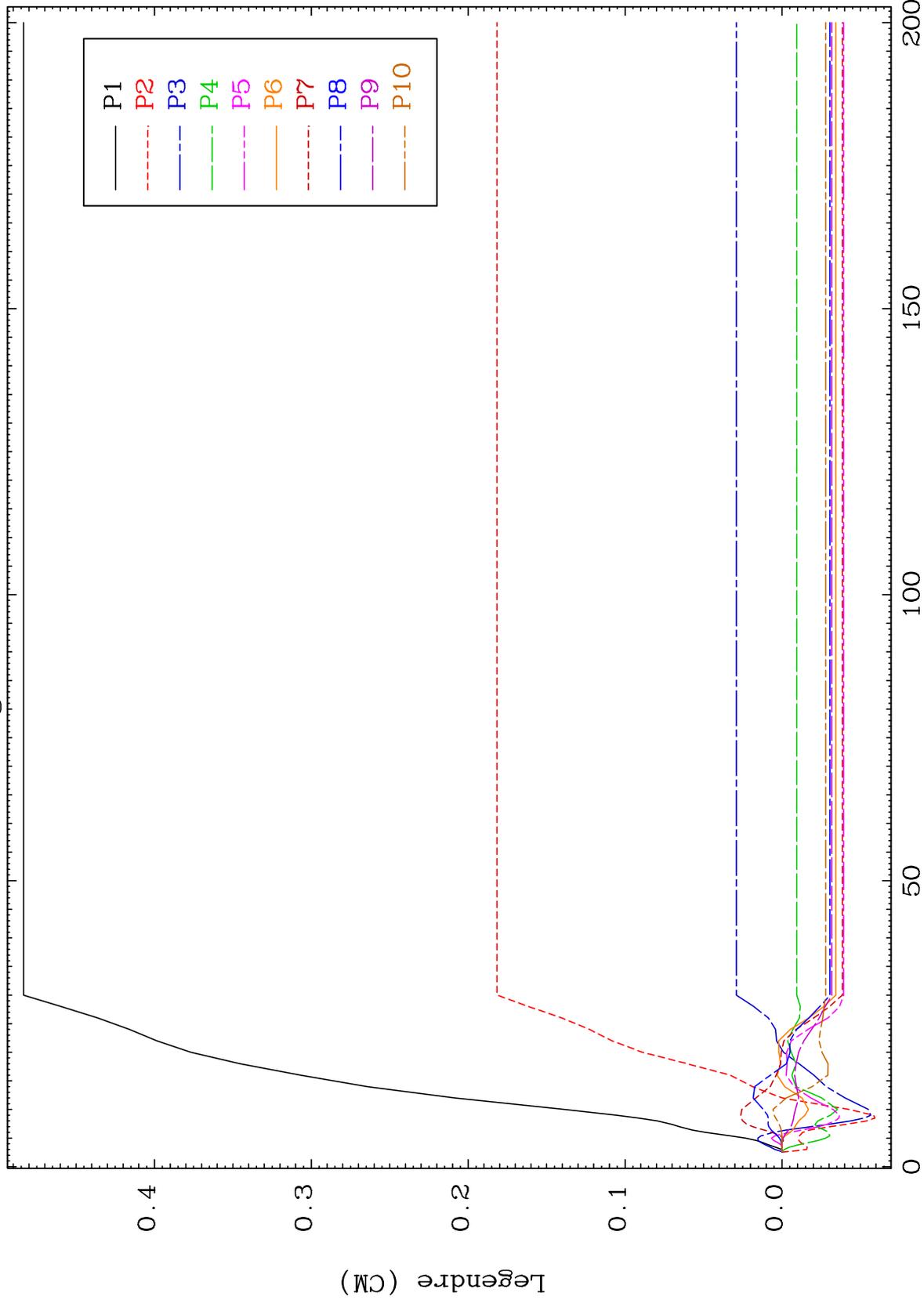
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



109

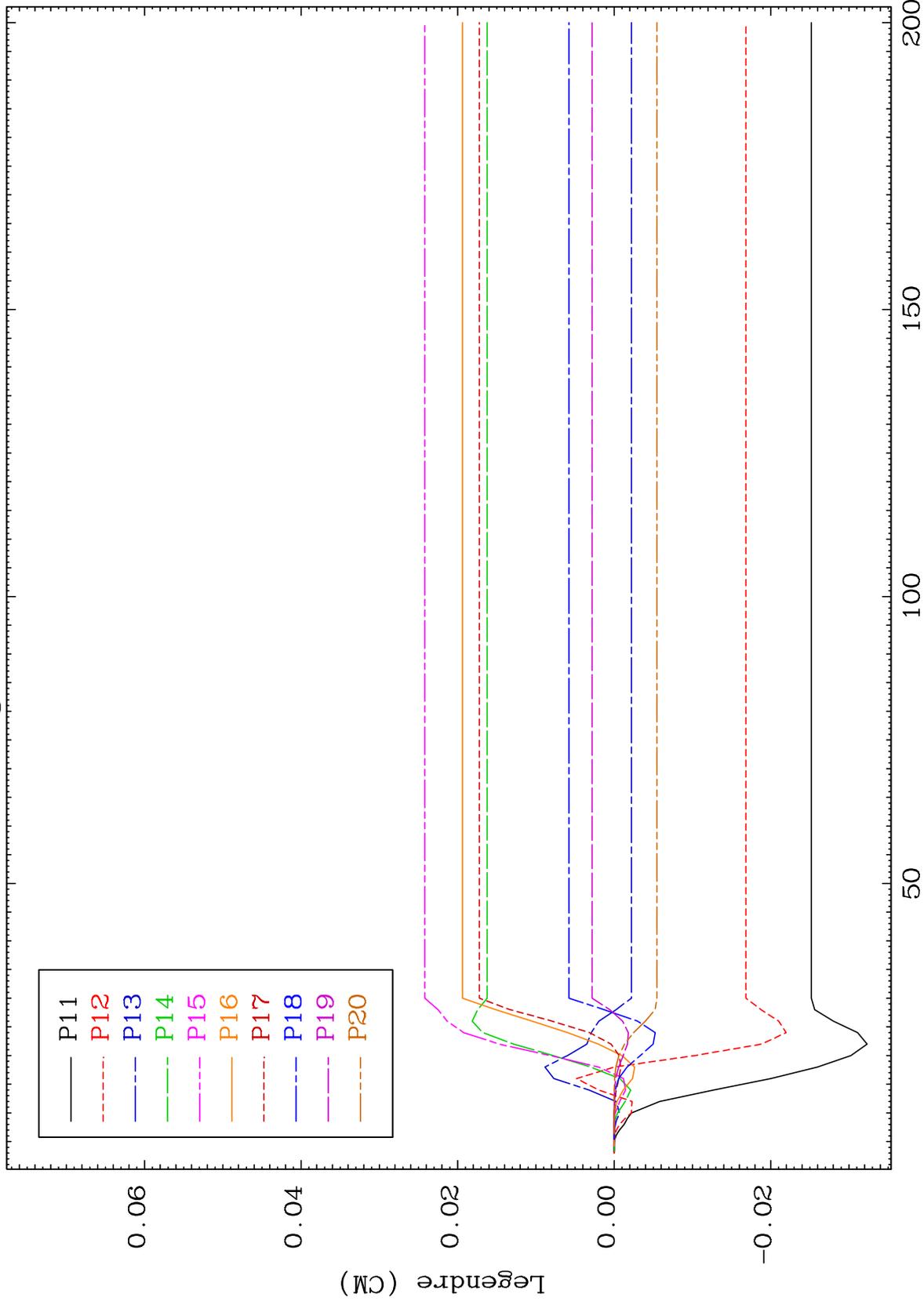
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



110

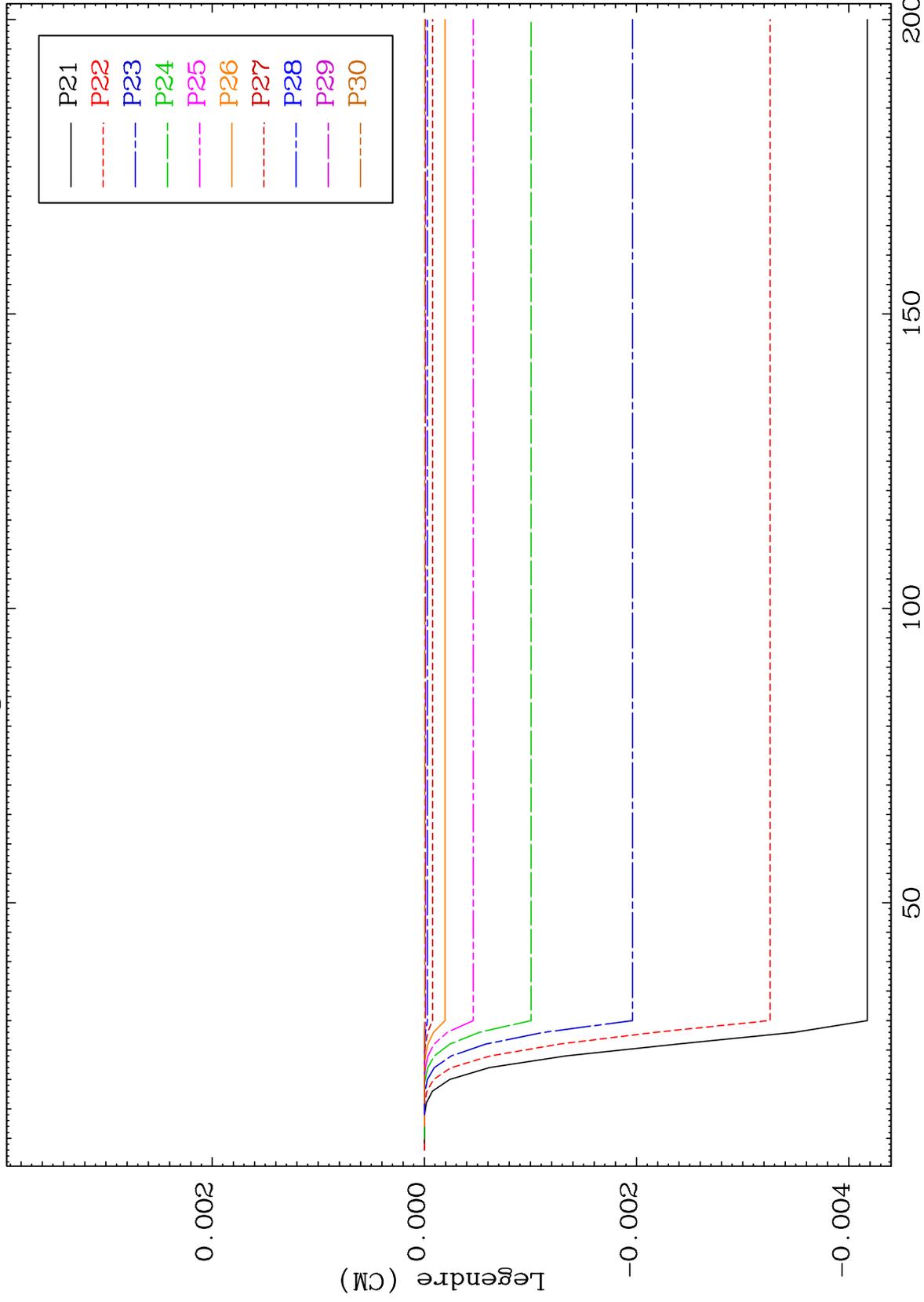
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

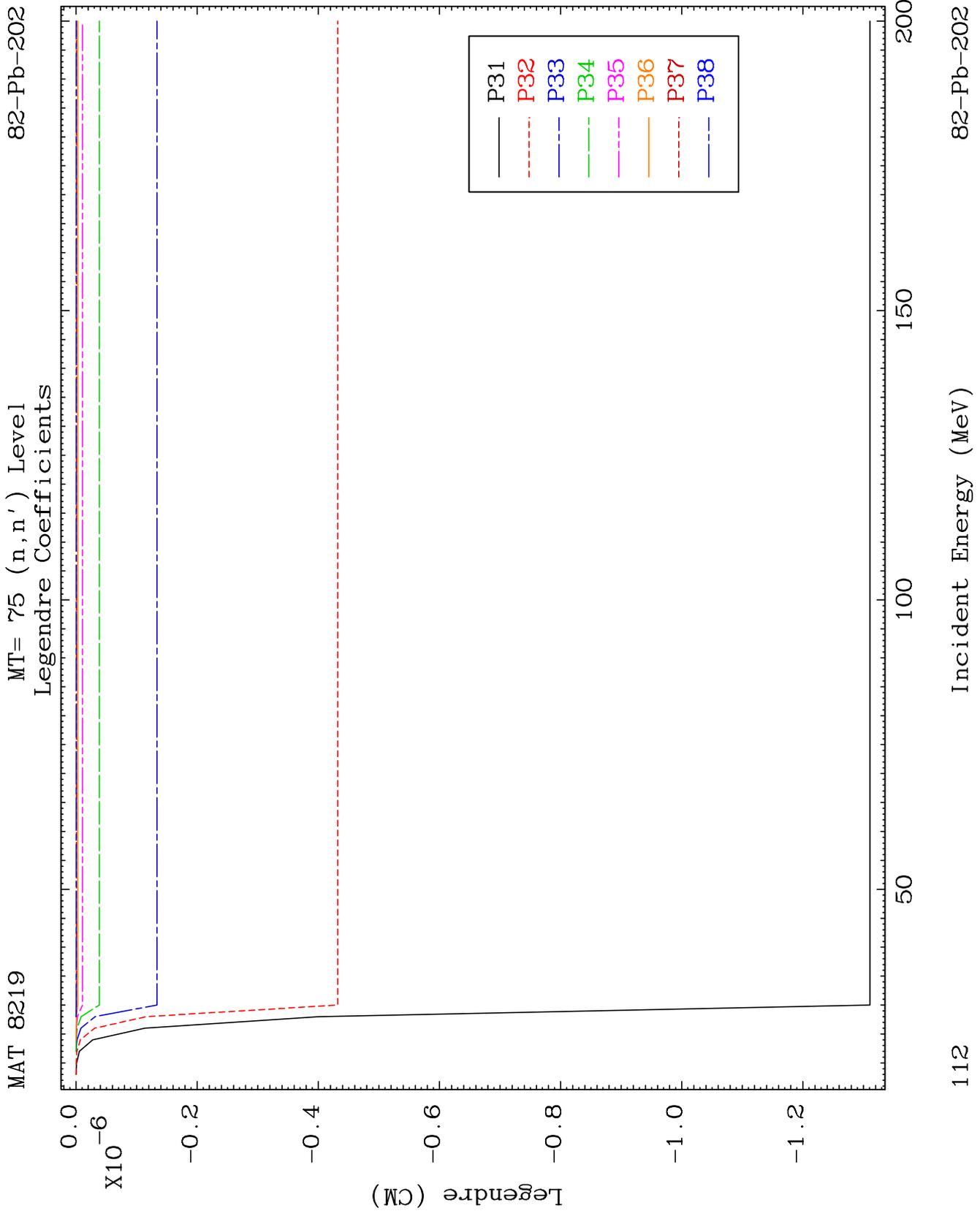
82-Pb-202



111

Incident Energy (MeV)

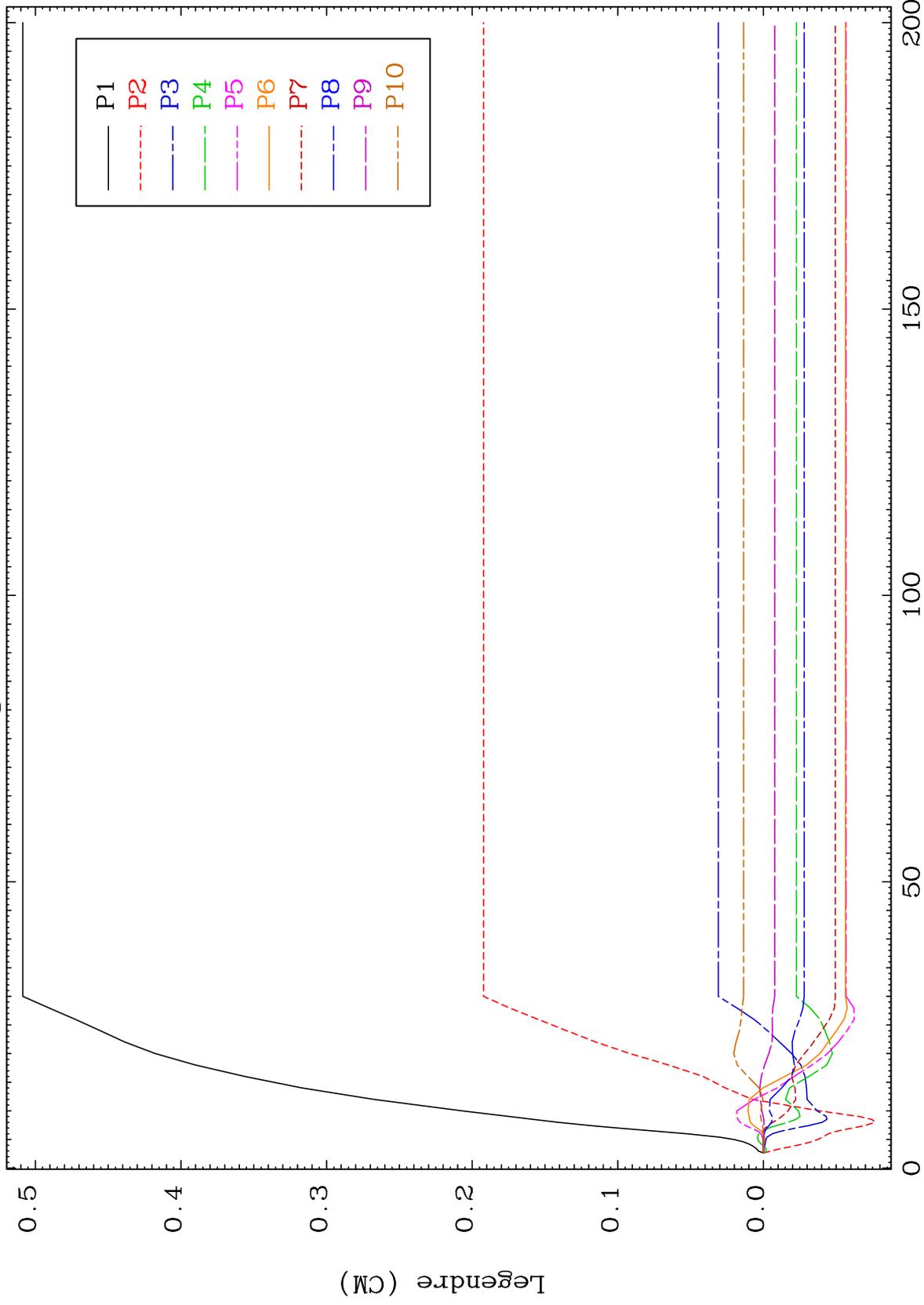
82-Pb-202



MAT 8219

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

82-Pb-202



113

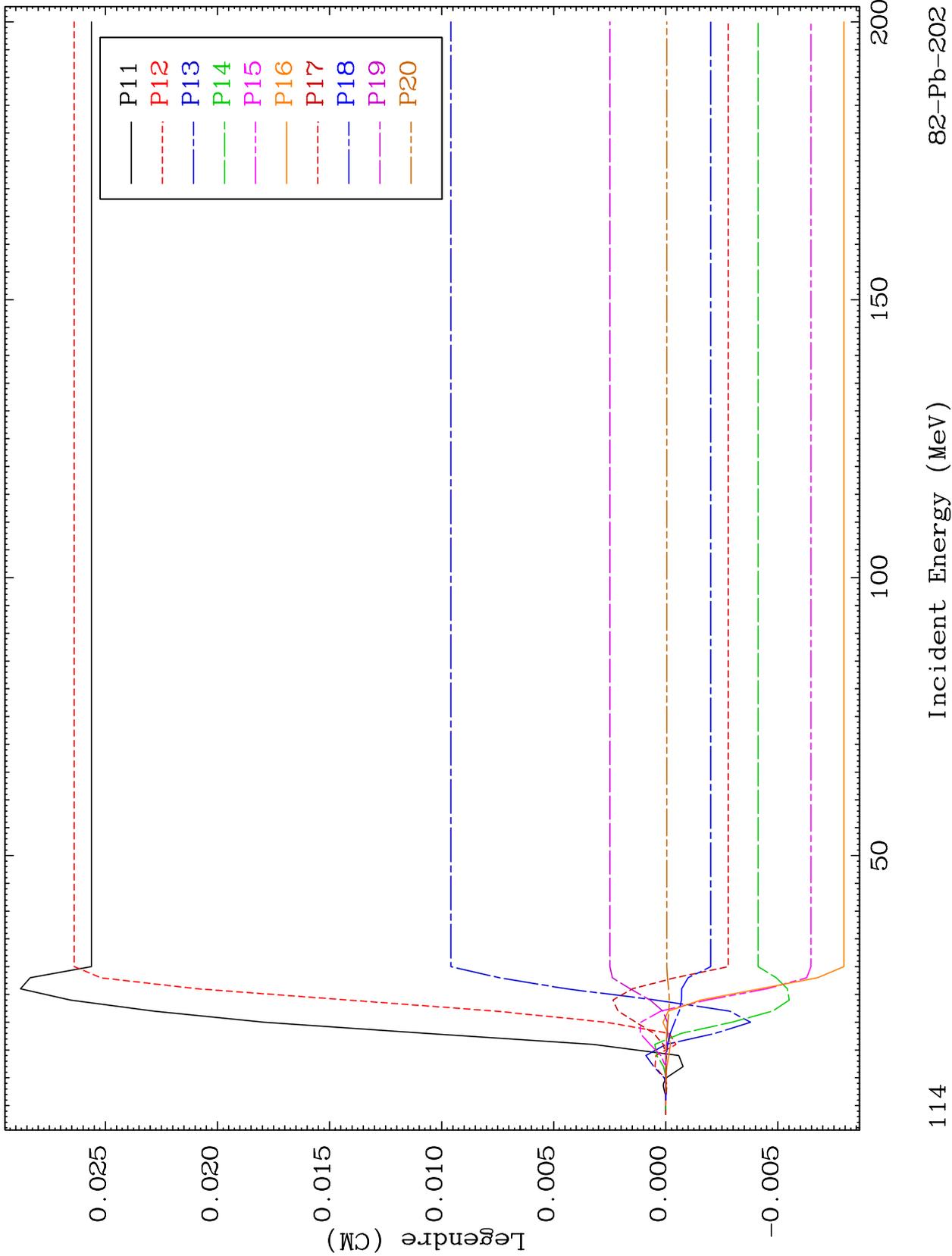
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



114

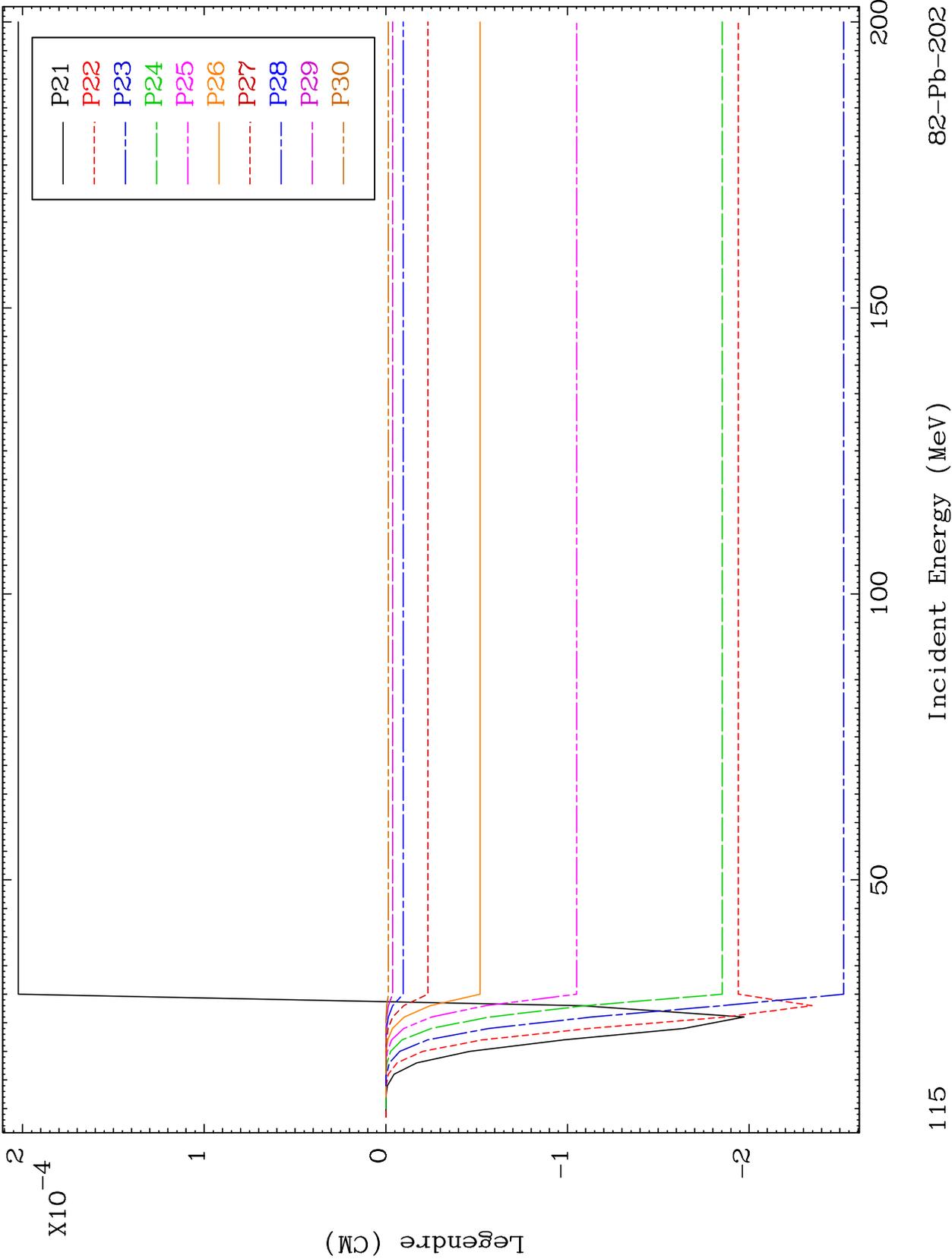
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



115

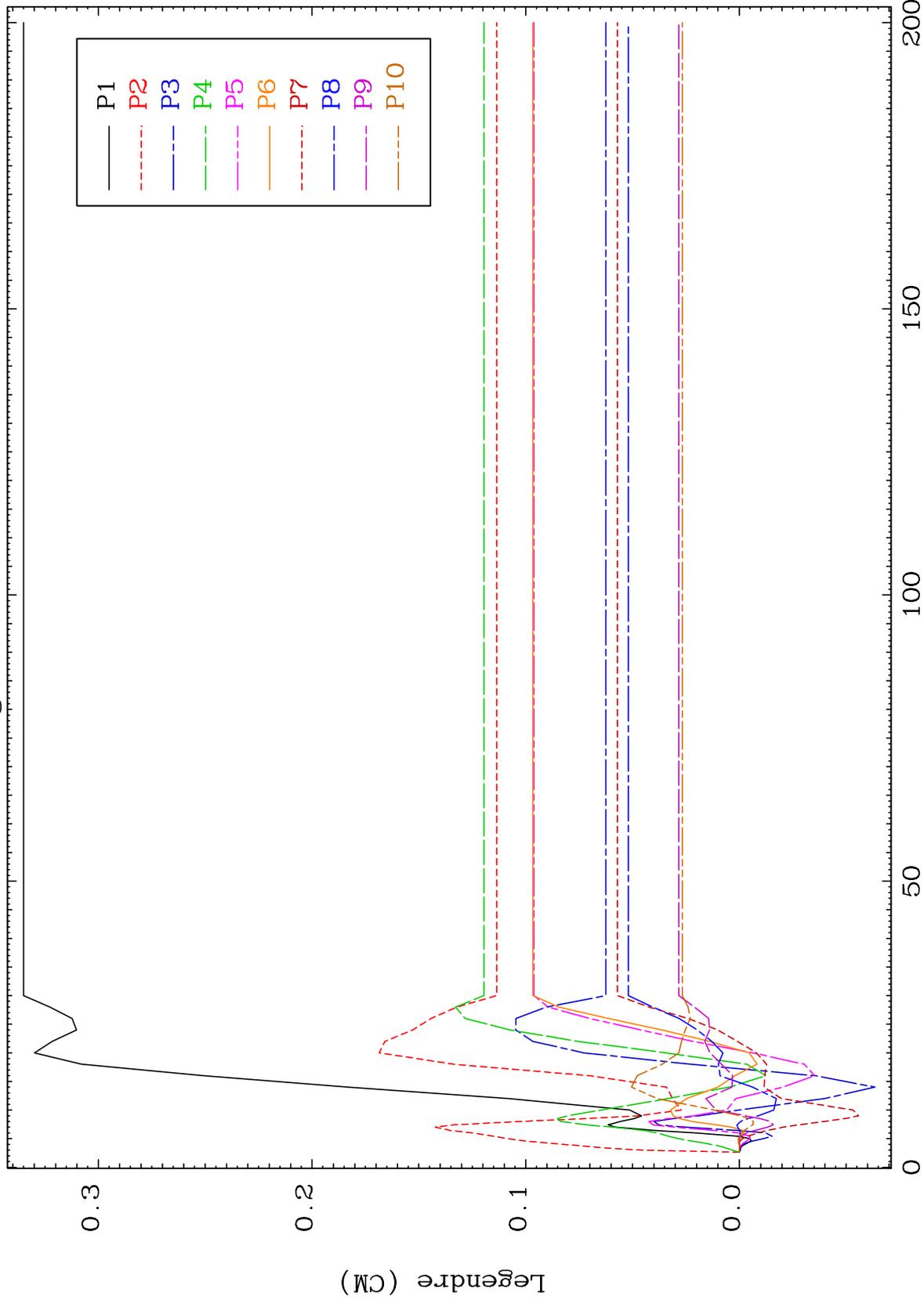
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



117

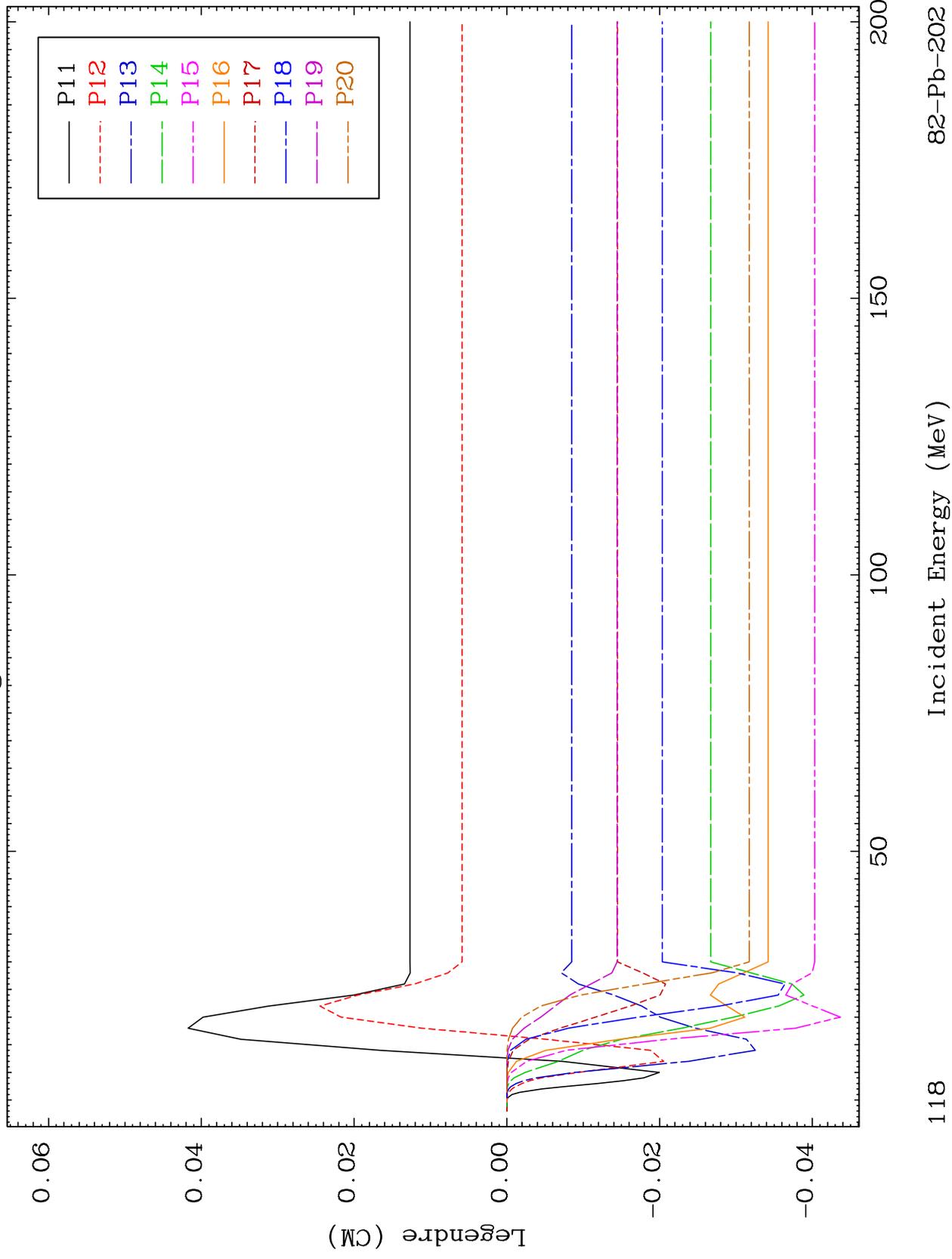
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



118

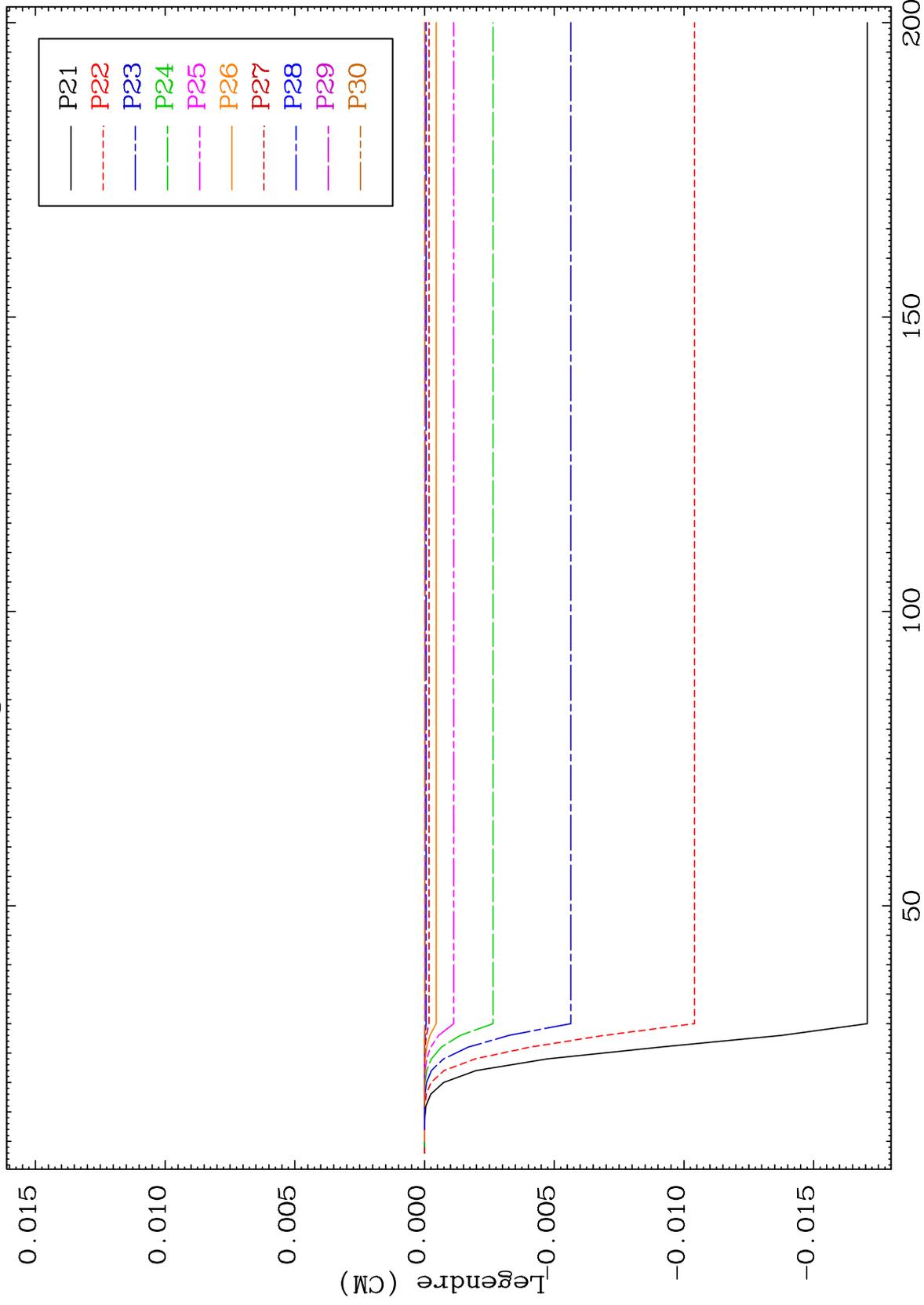
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

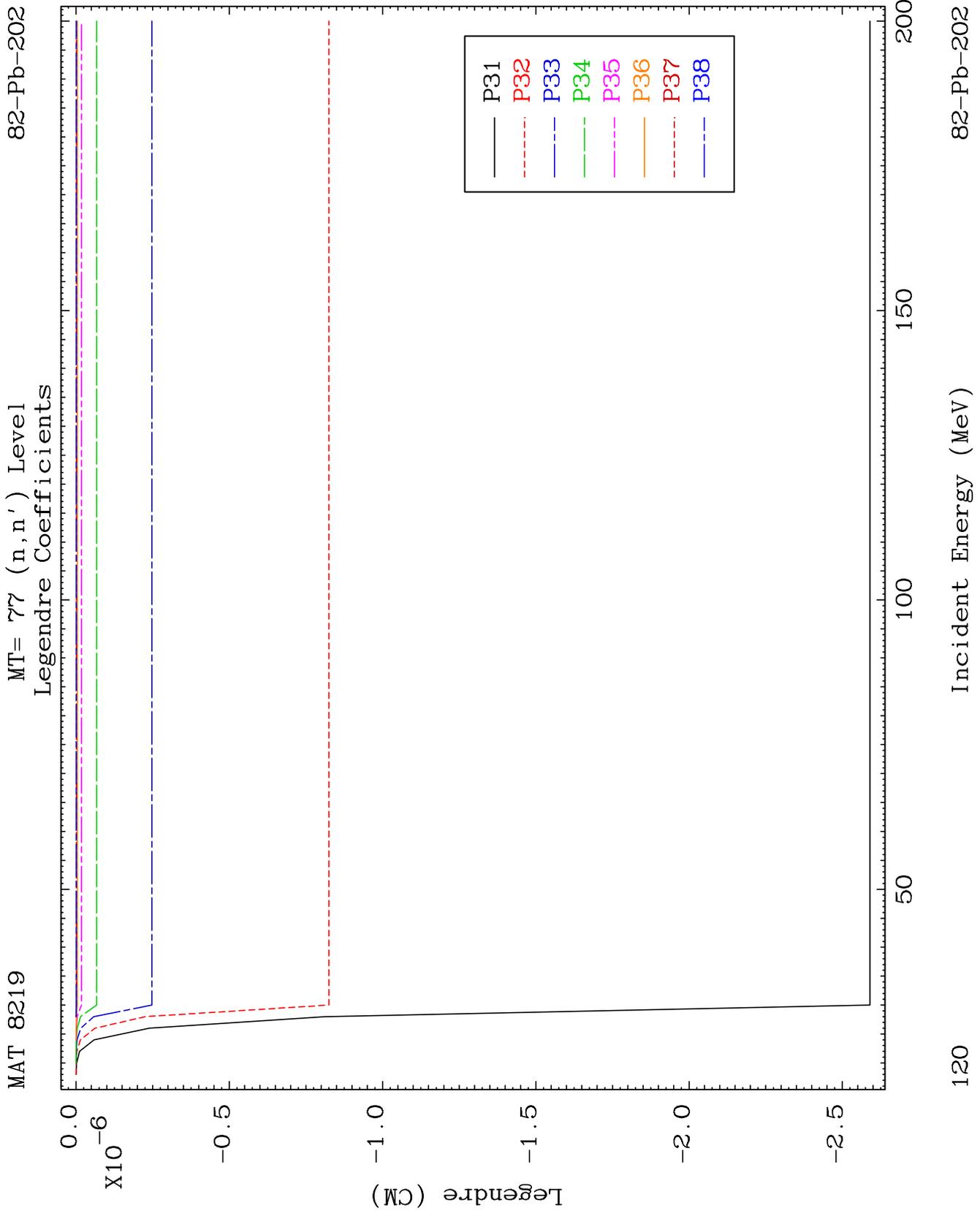
82-Pb-202



119

Incident Energy (MeV)

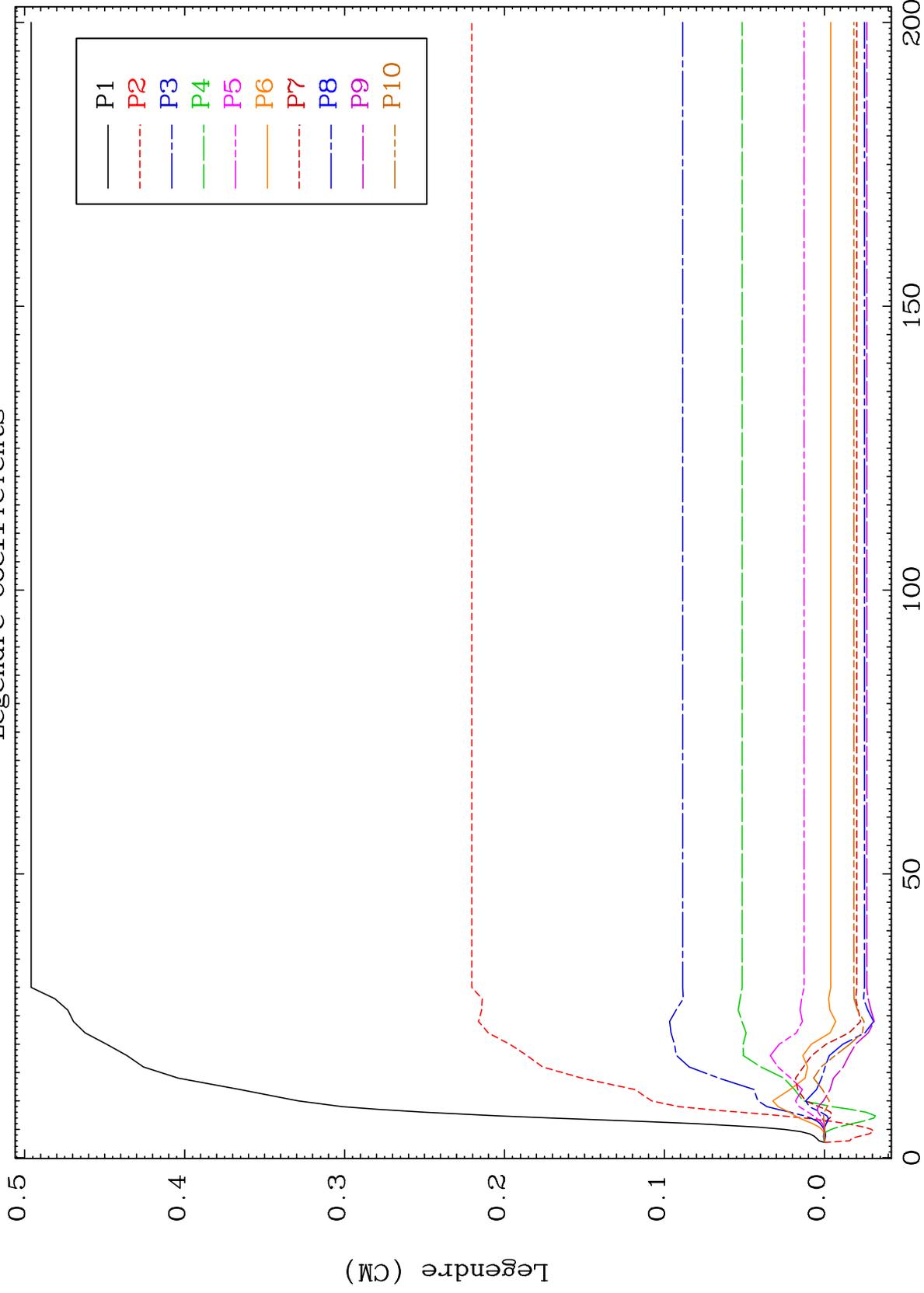
82-Pb-202



MAT 8219

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

82-Pb-202



82-Pb-202

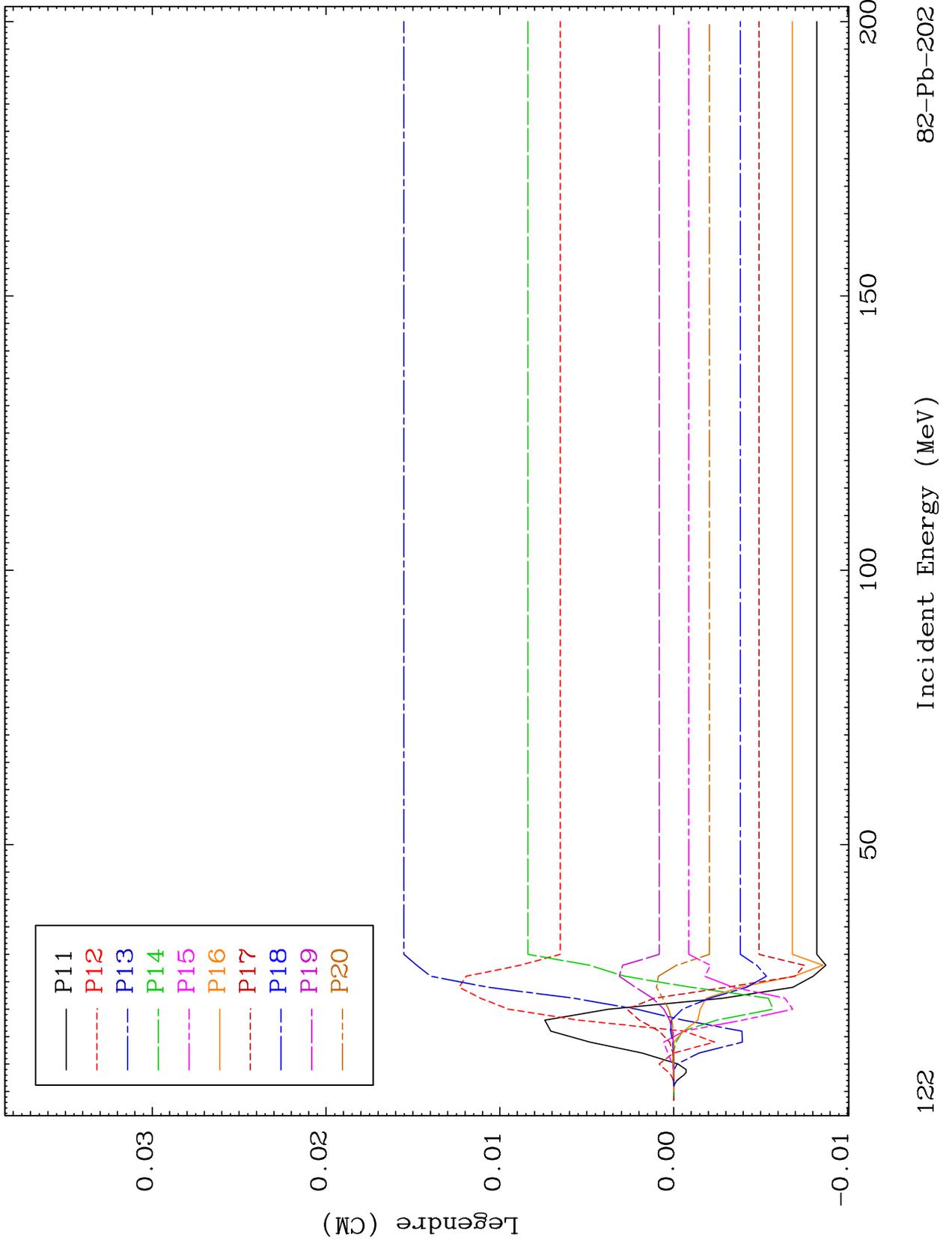
Incident Energy (MeV)

121

MAT 8219

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

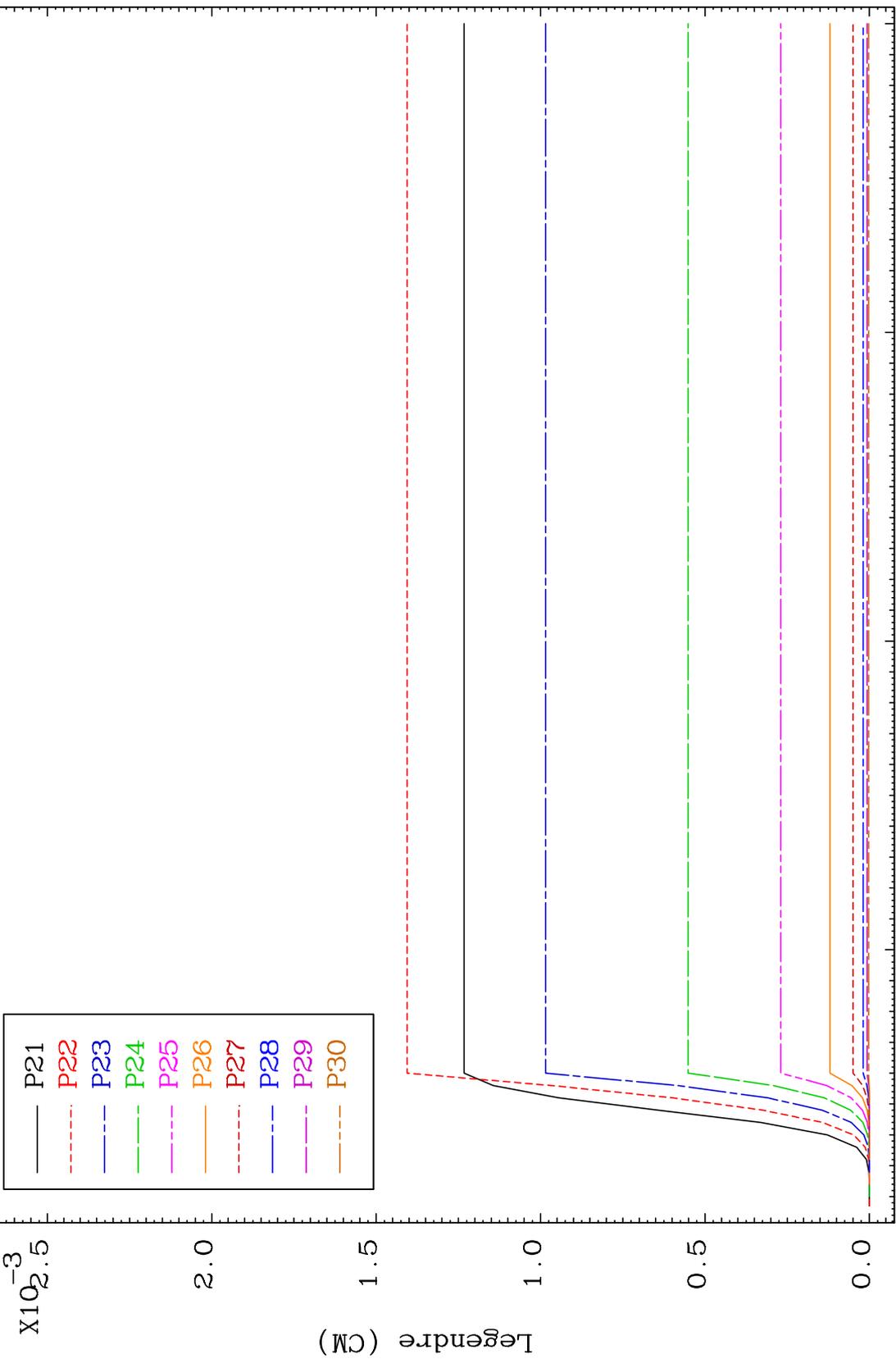
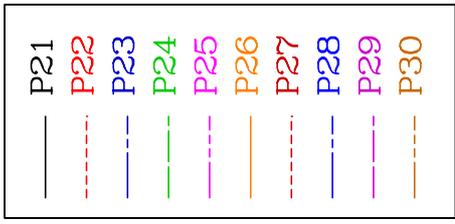
82-Pb-202



MAT 8219

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

82-Pb-202



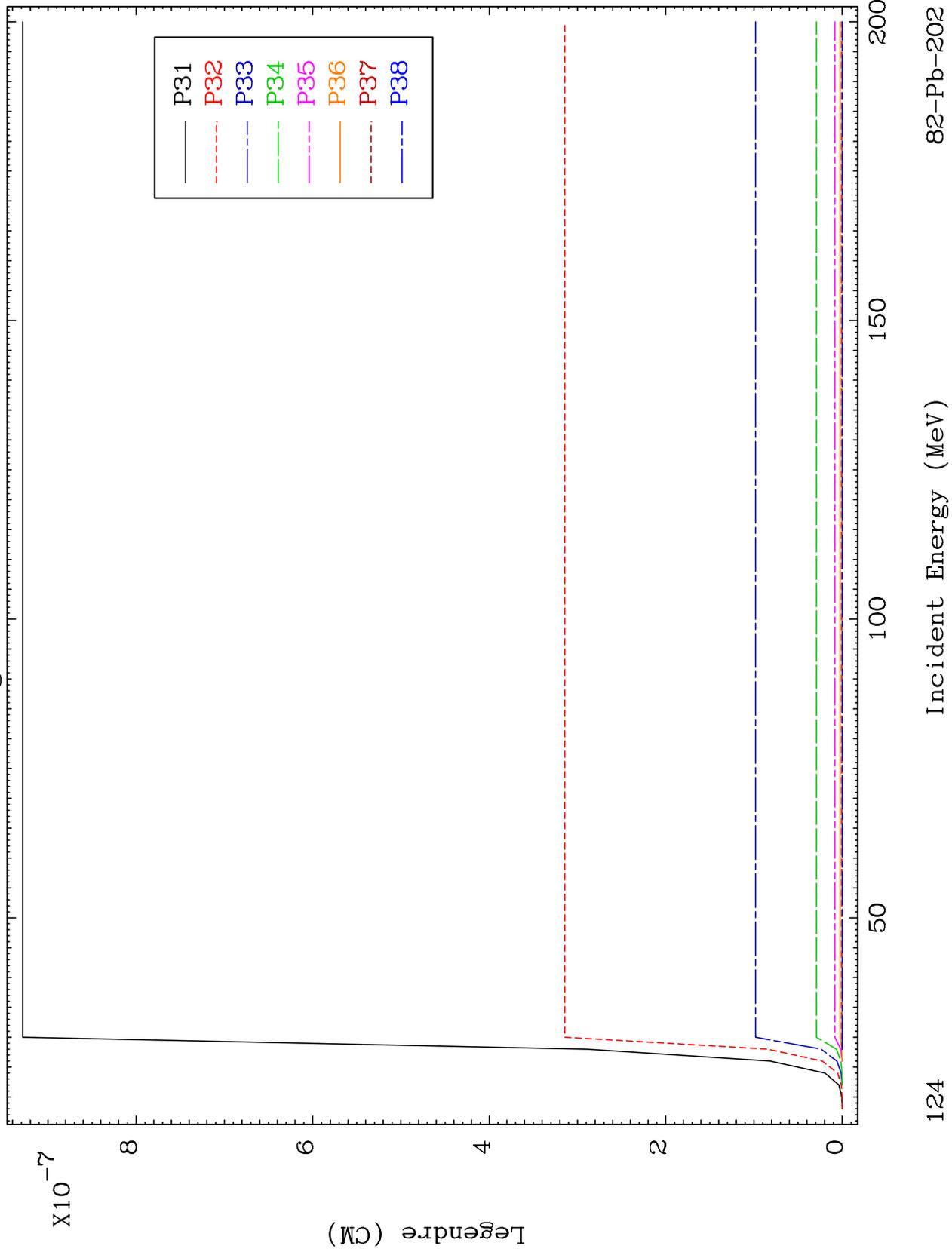
123

82-Pb-202

MAT 8219

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

82-Pb-202



124

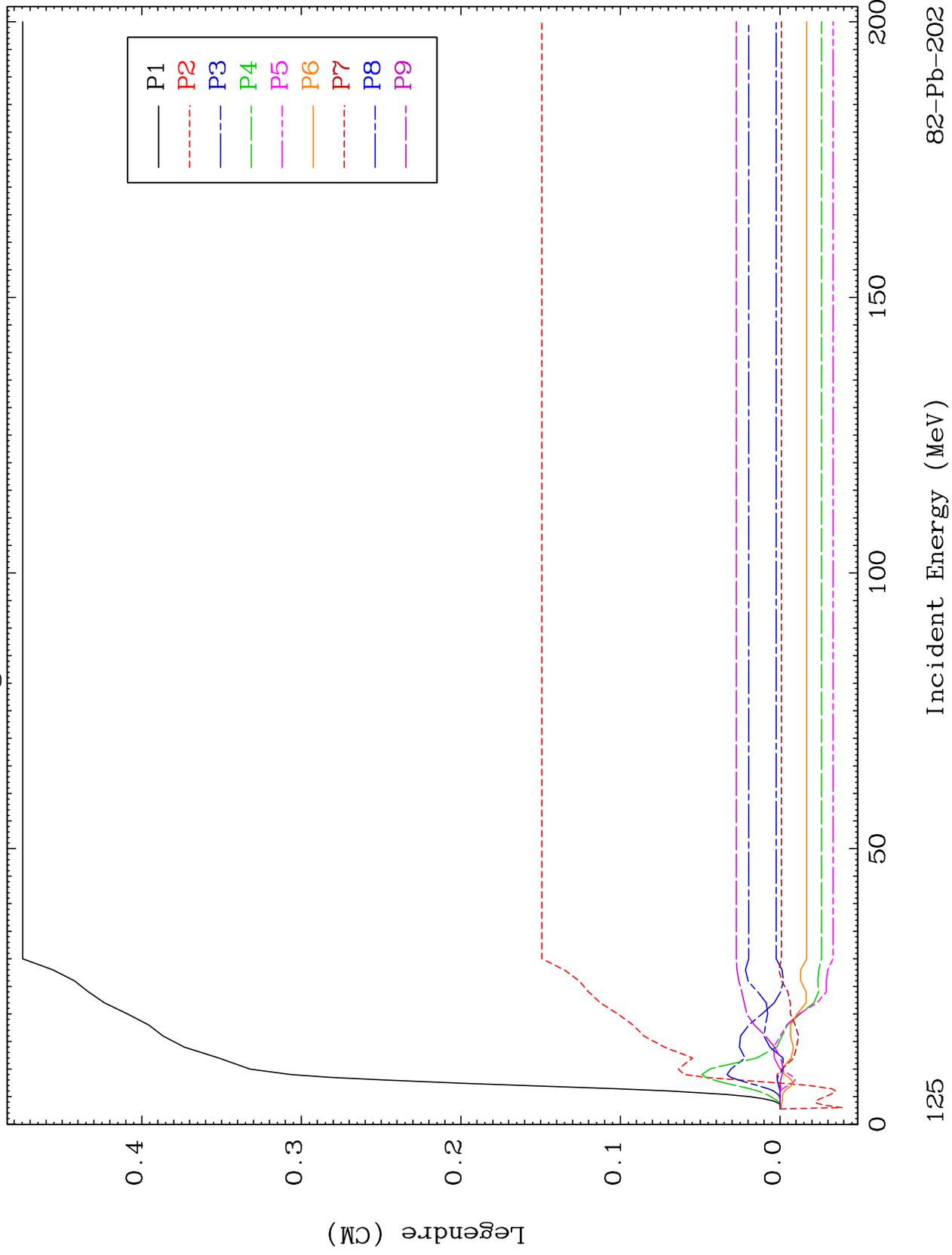
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

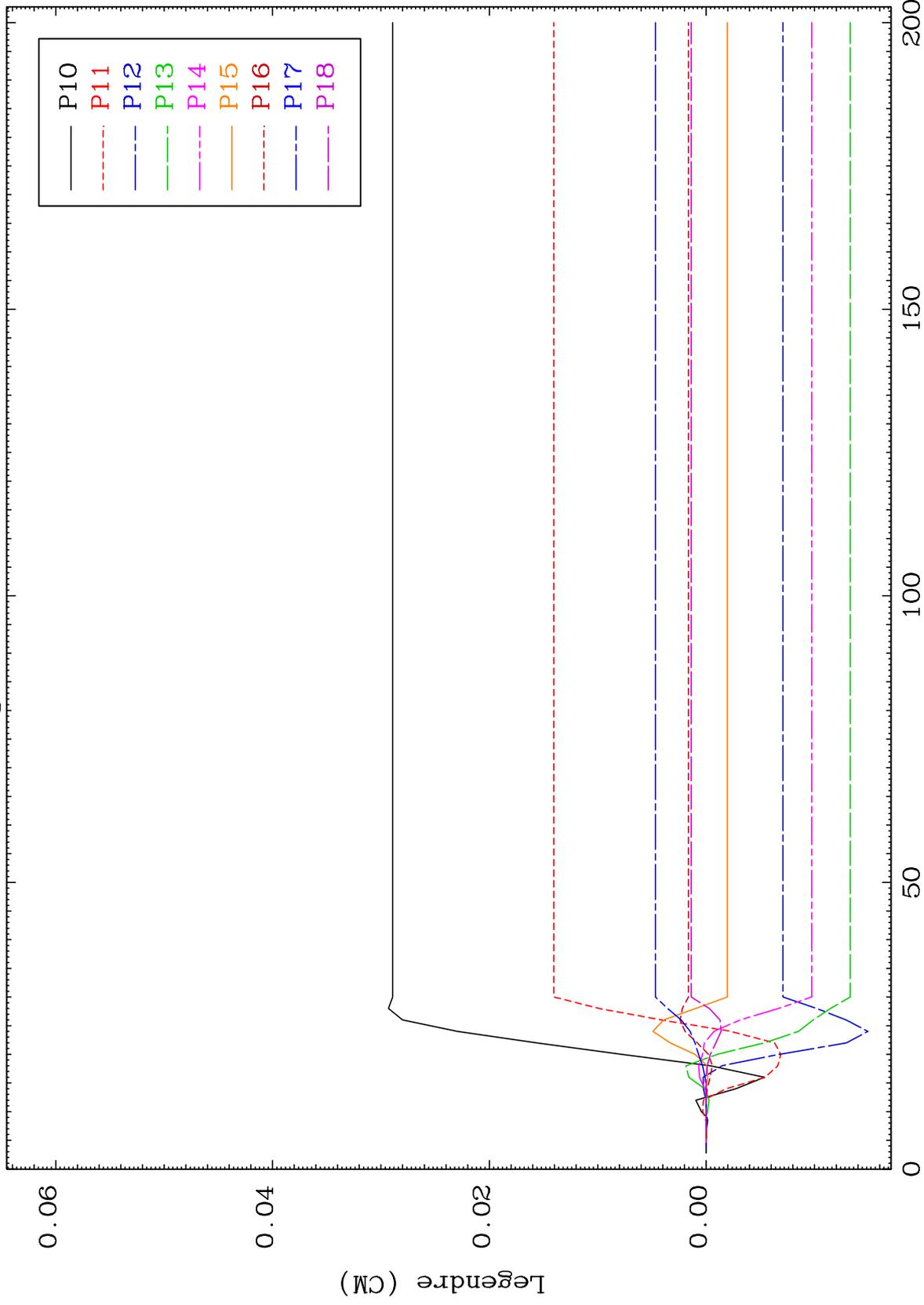
Incident Energy (MeV)

125

MAT 8219

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

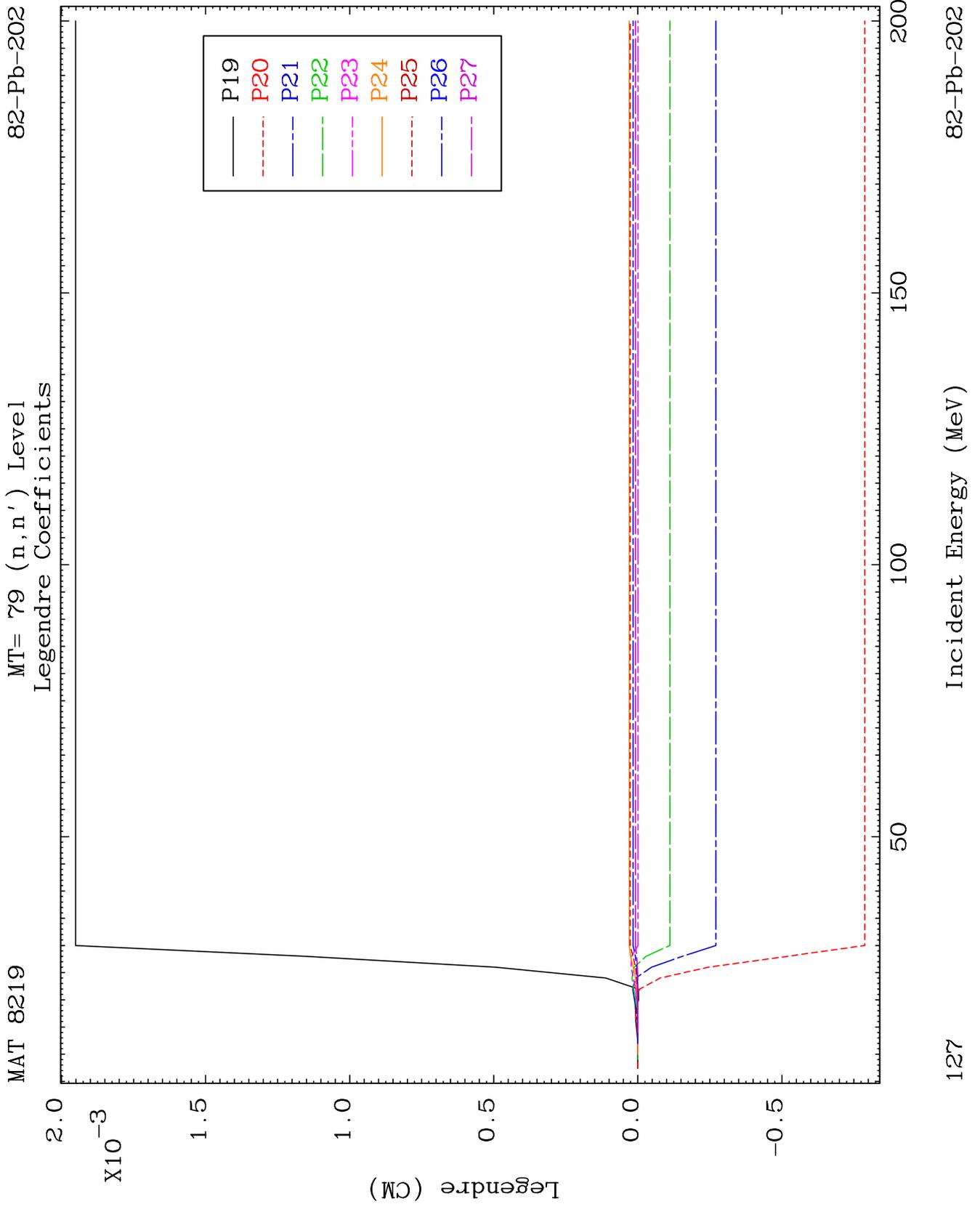
82-Pb-202



126

Incident Energy (MeV)

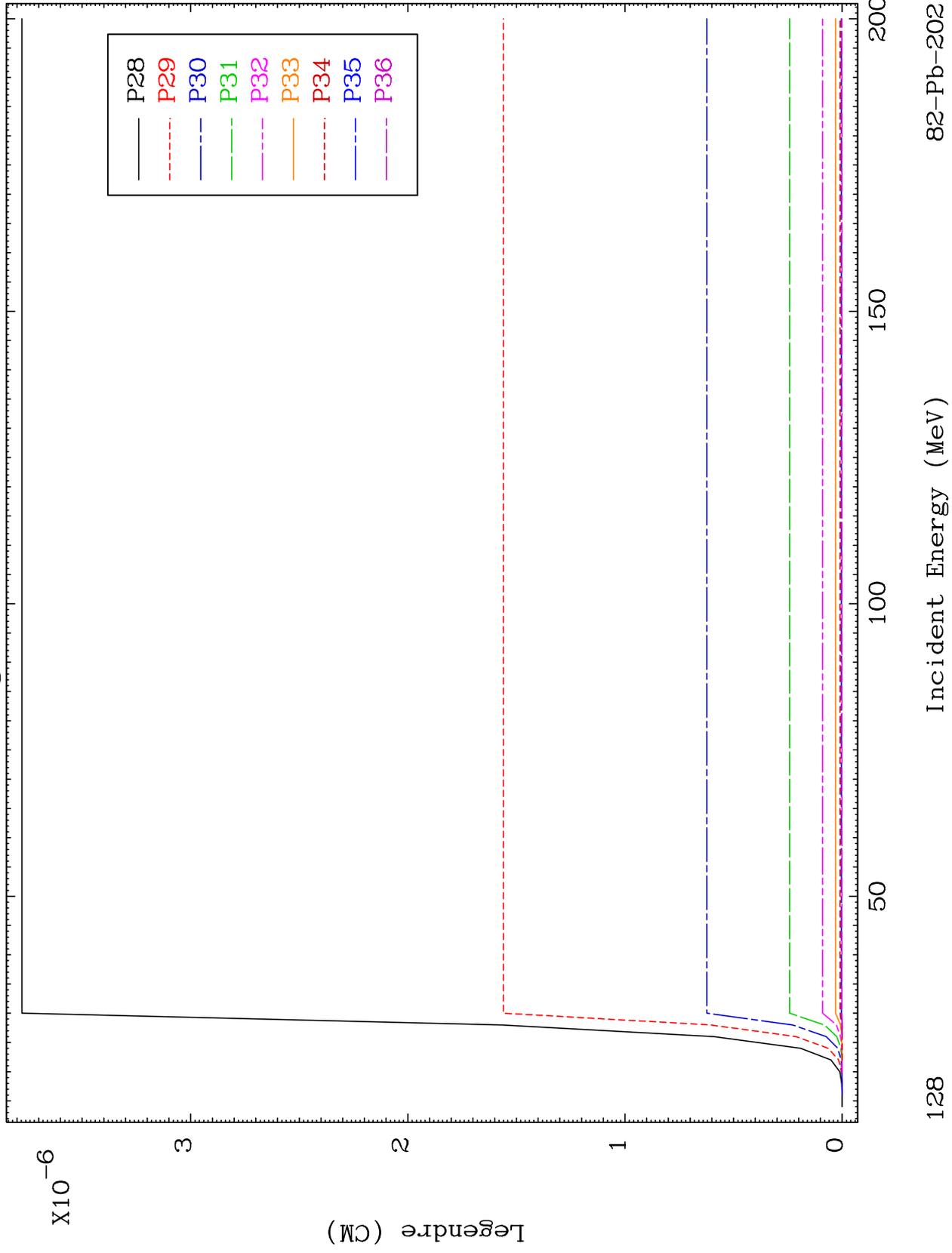
82-Pb-202



MAT 8219

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

82-Pb-202

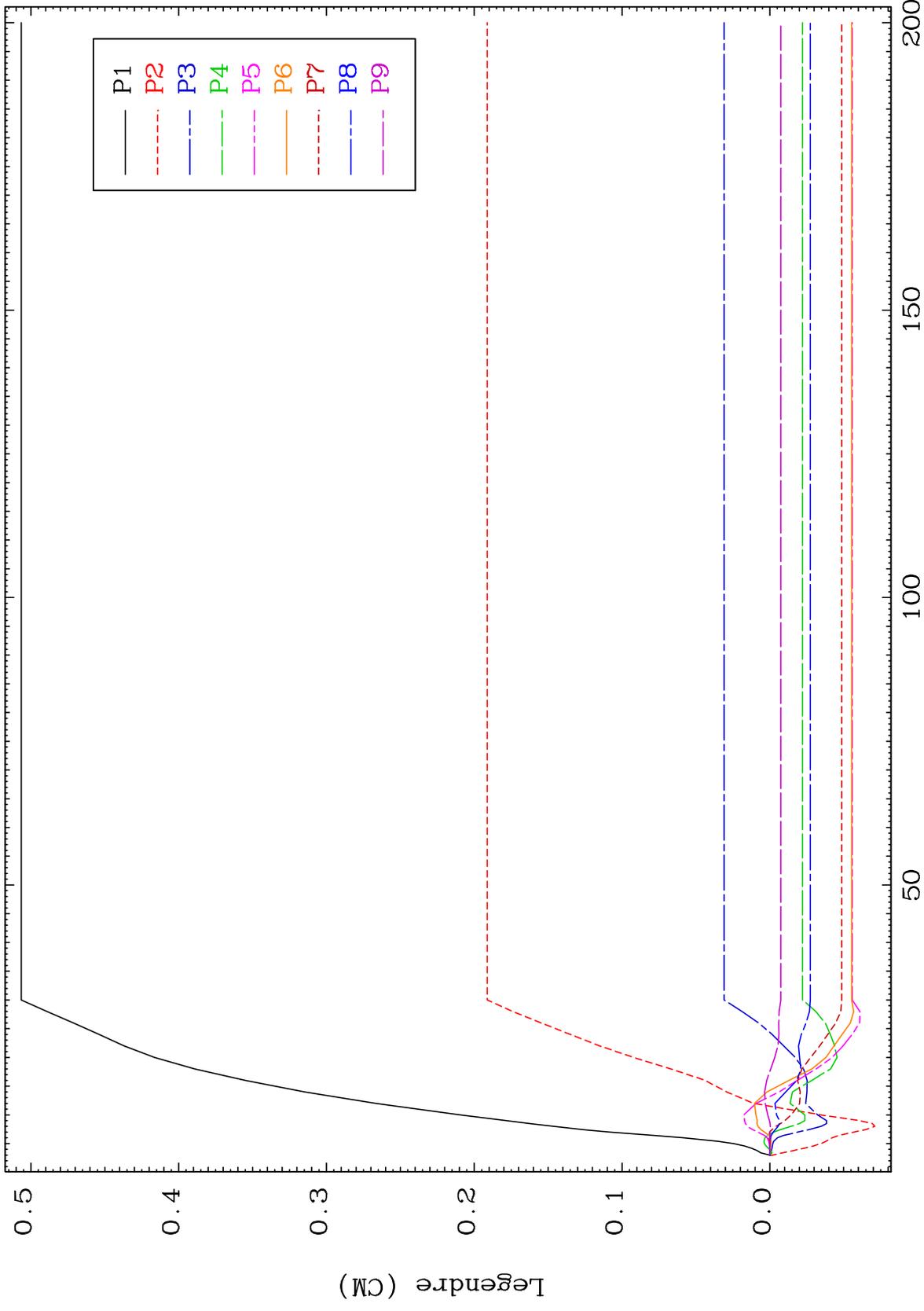


128

MAT 8219

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

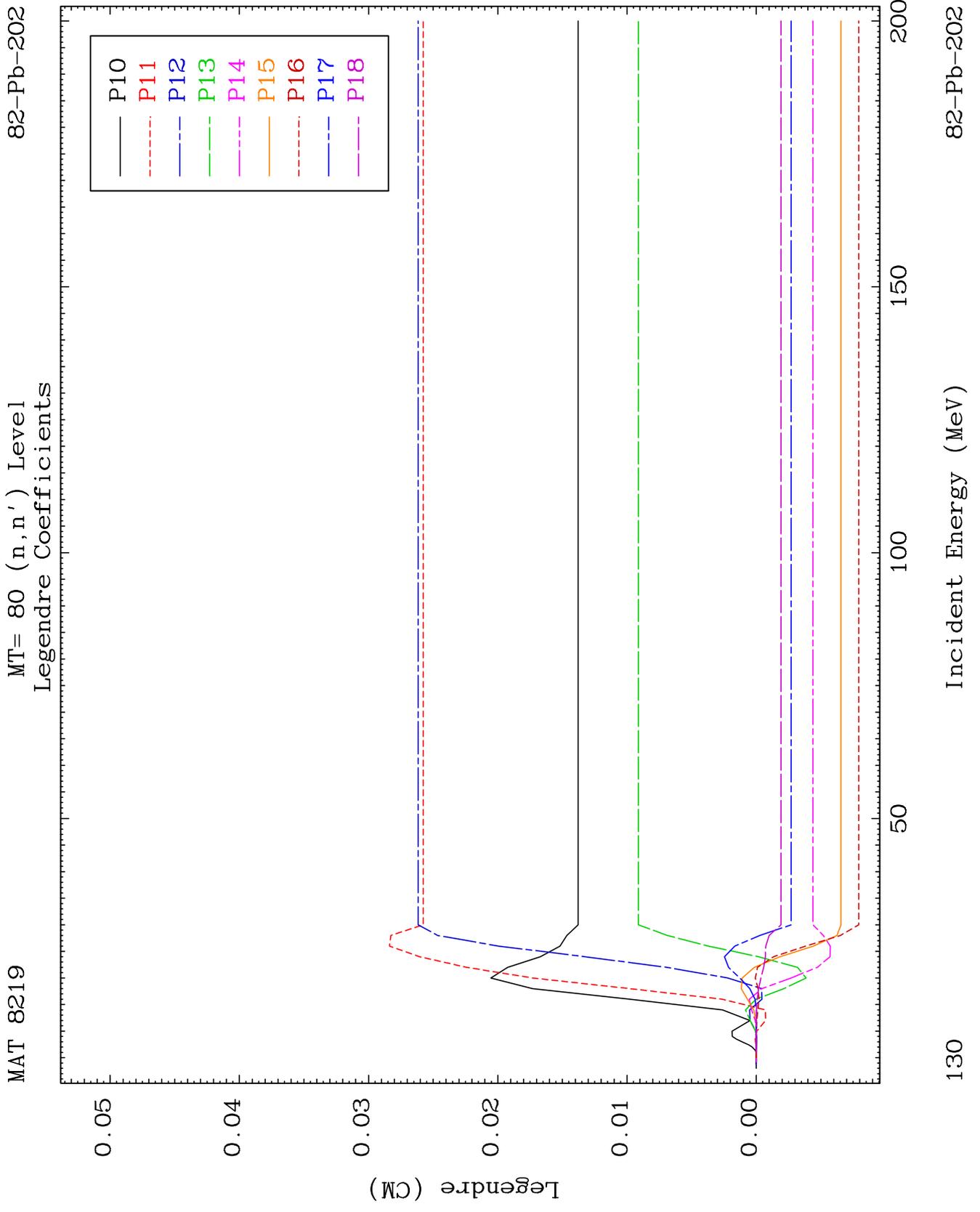
82-Pb-202



129

Incident Energy (MeV)

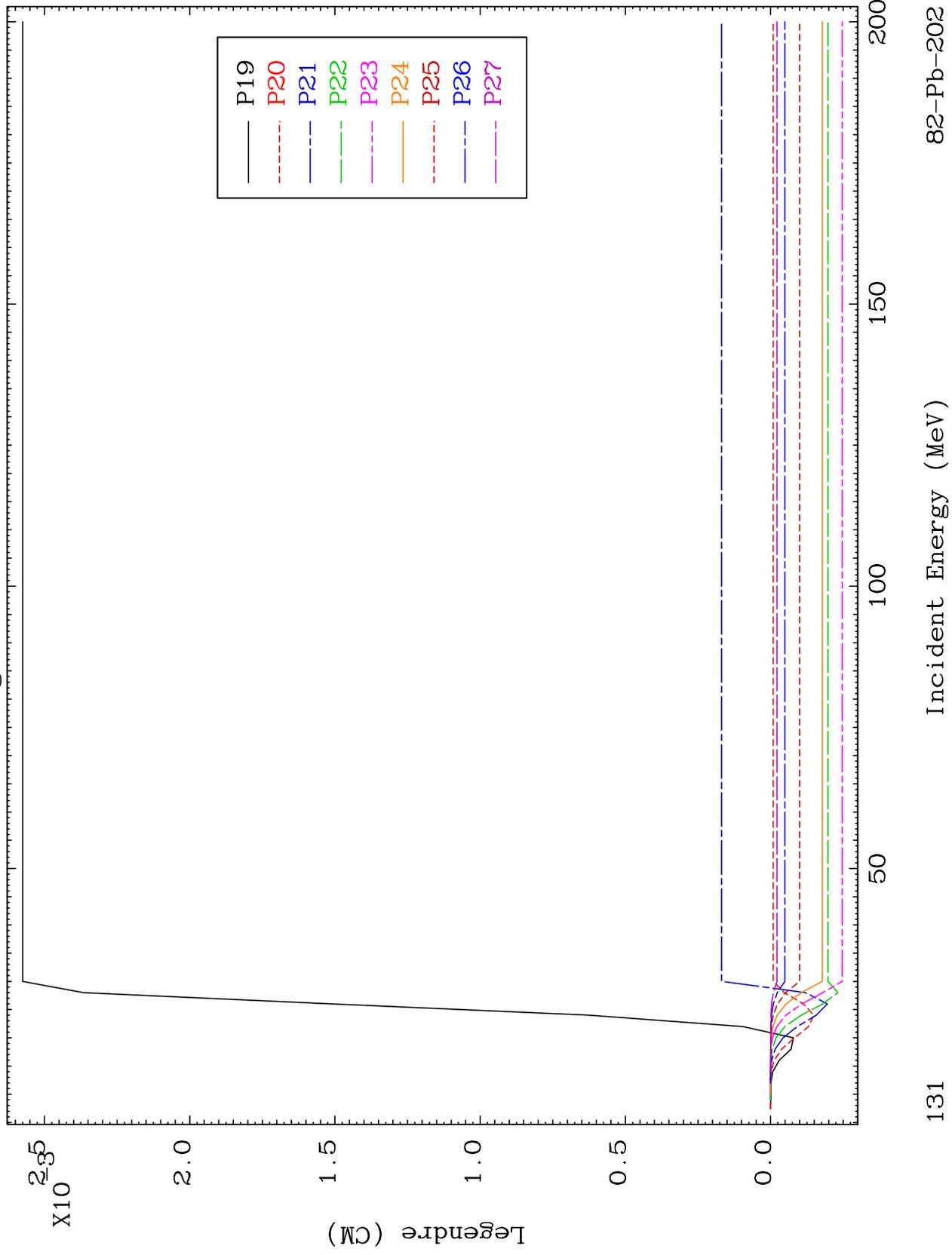
82-Pb-202



MAT 8219

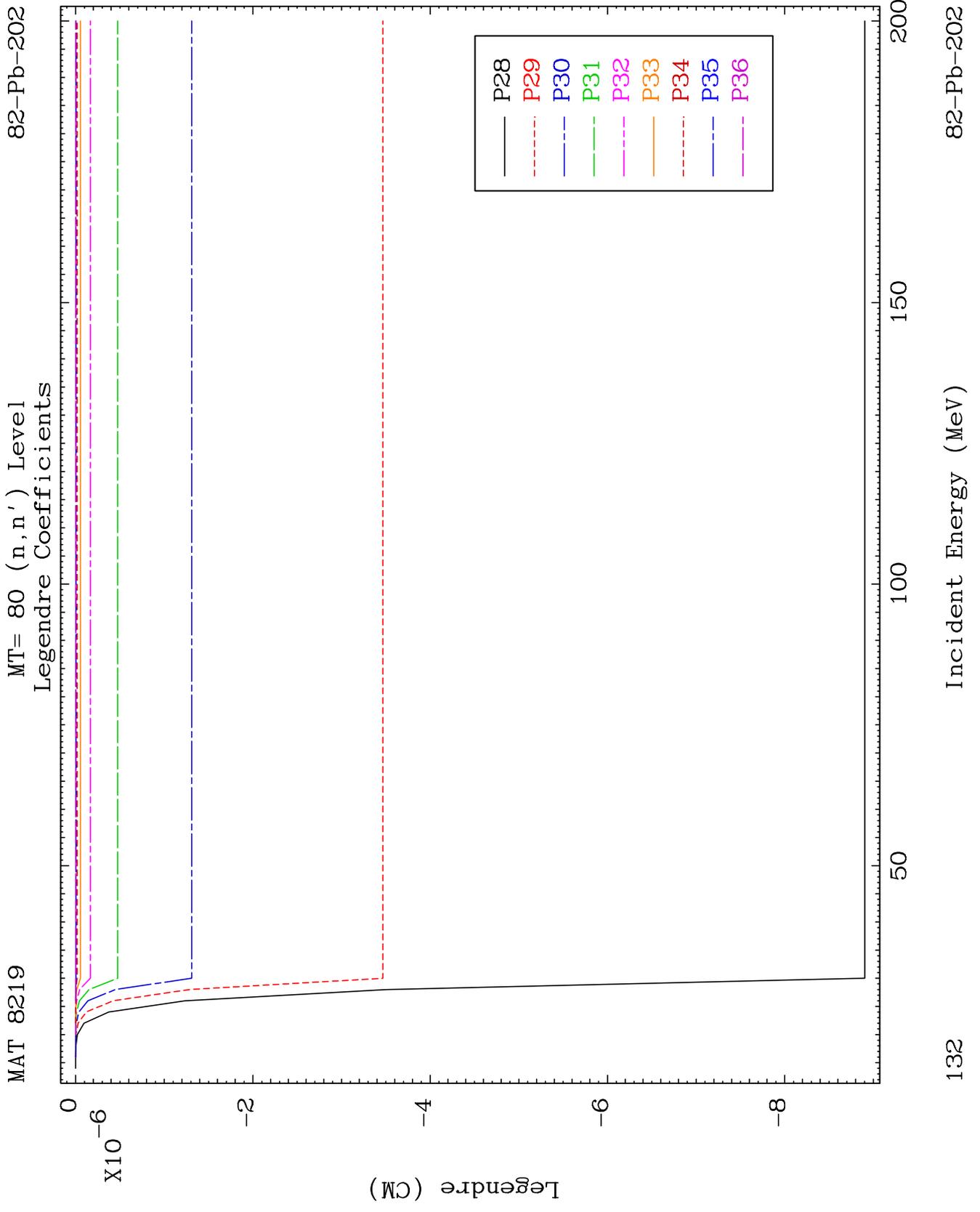
MT= 80 (n,n') Level
Legendre Coefficients

82-Pb-202



131

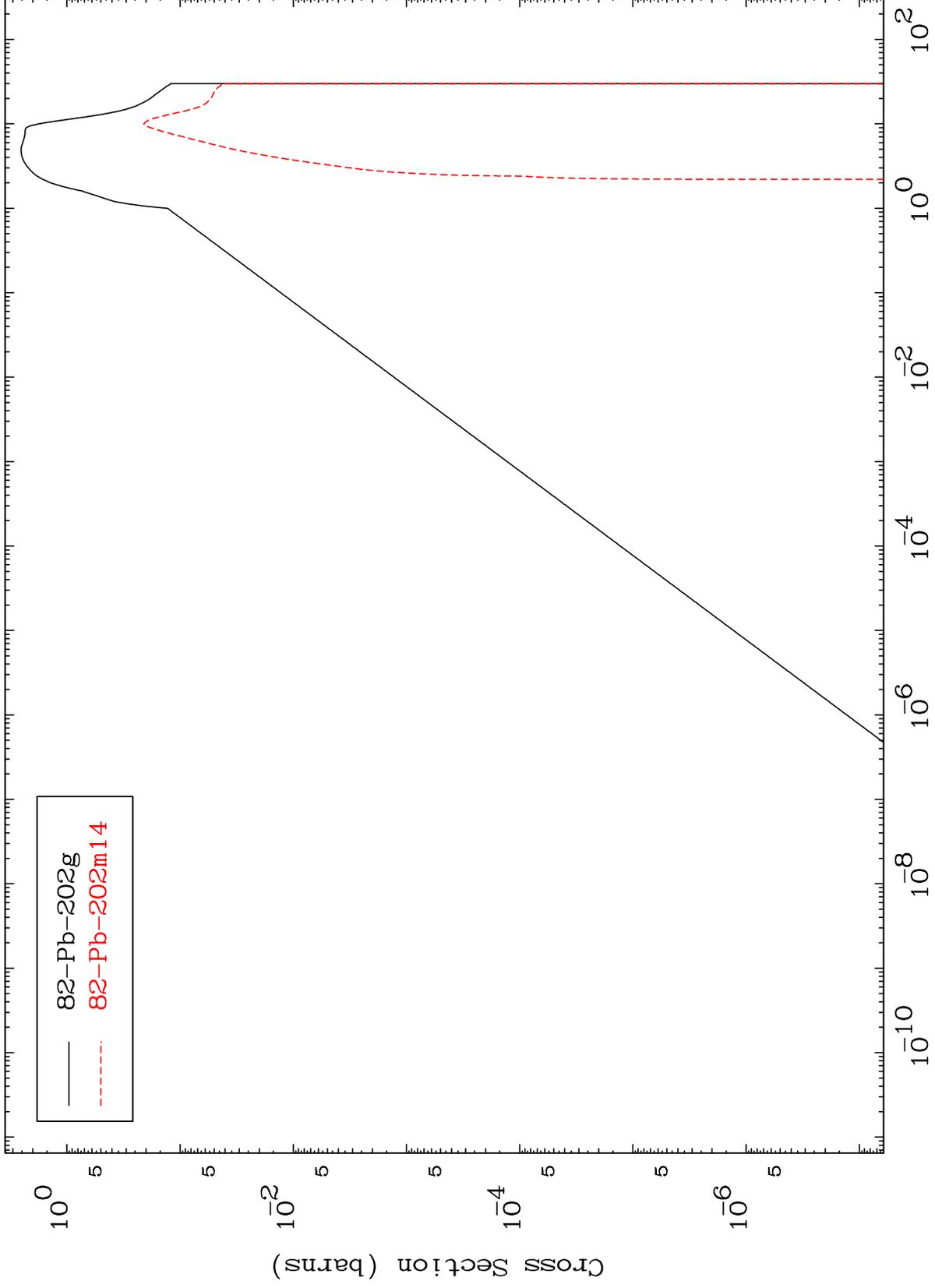
82-Pb-202



MAT 8219

Inelastic
Radionuclide Production Cross Section

82-Pb-202



82-Pb-202g
82-Pb-202m14

82-Pb-202

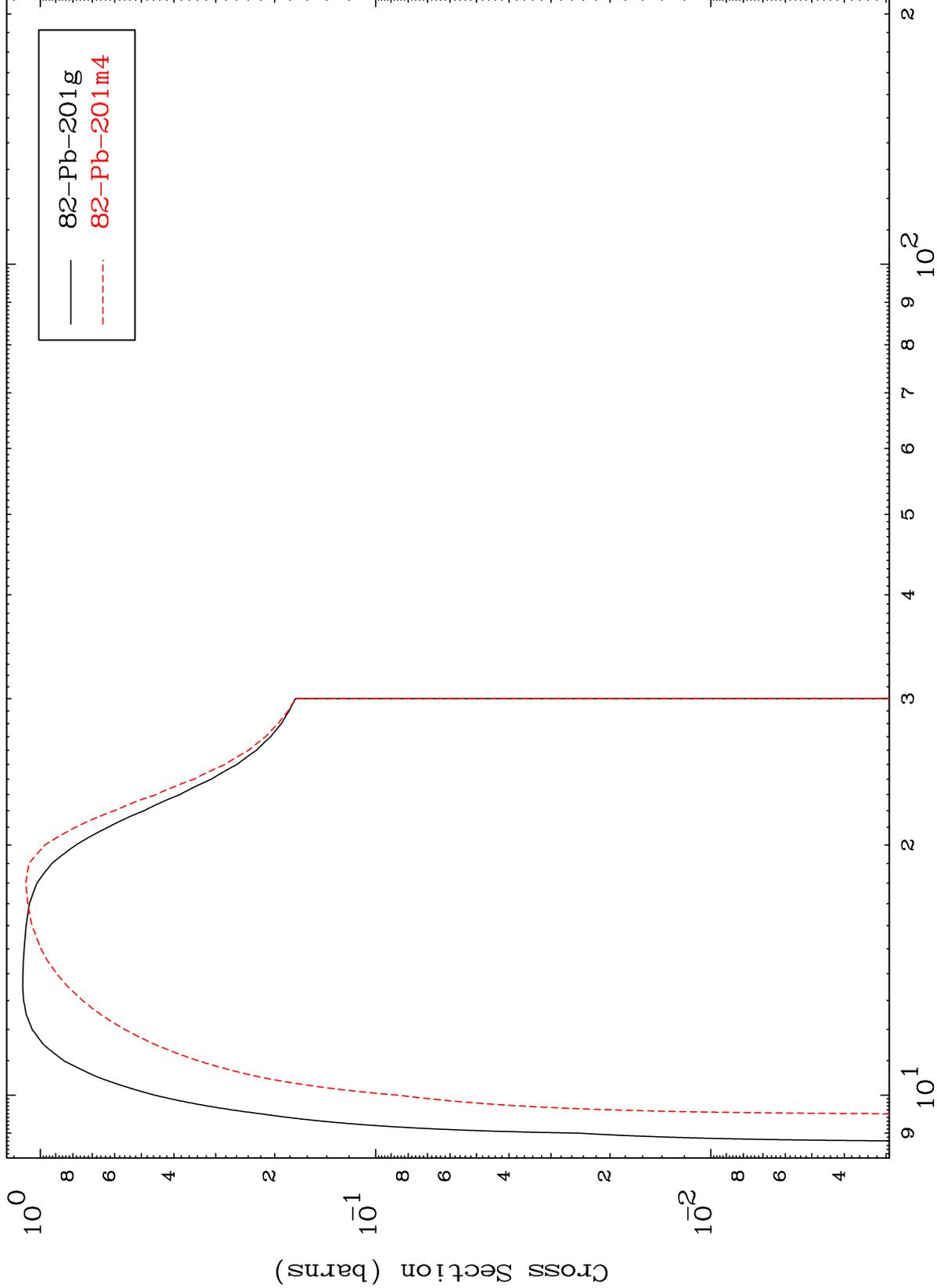
Incident Energy (MeV)

MAT 8219

(n,2n)

82-Pb-202

Radionuclide Production Cross Section



134

Incident Energy (MeV)

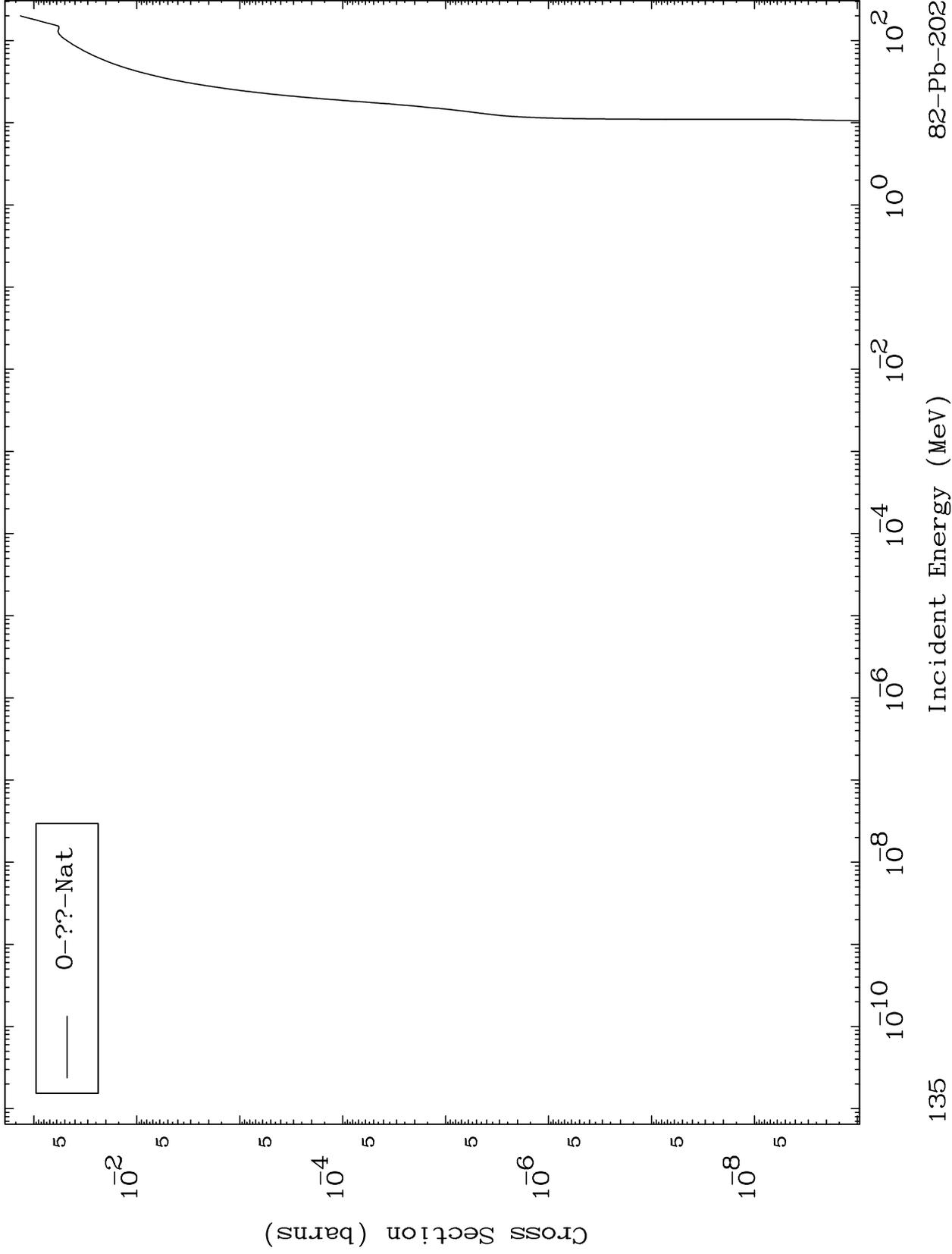
82-Pb-202

MAT 8219

Fission

82-Pb-202

Radionuclide Production Cross Section



135

Incident Energy (MeV)

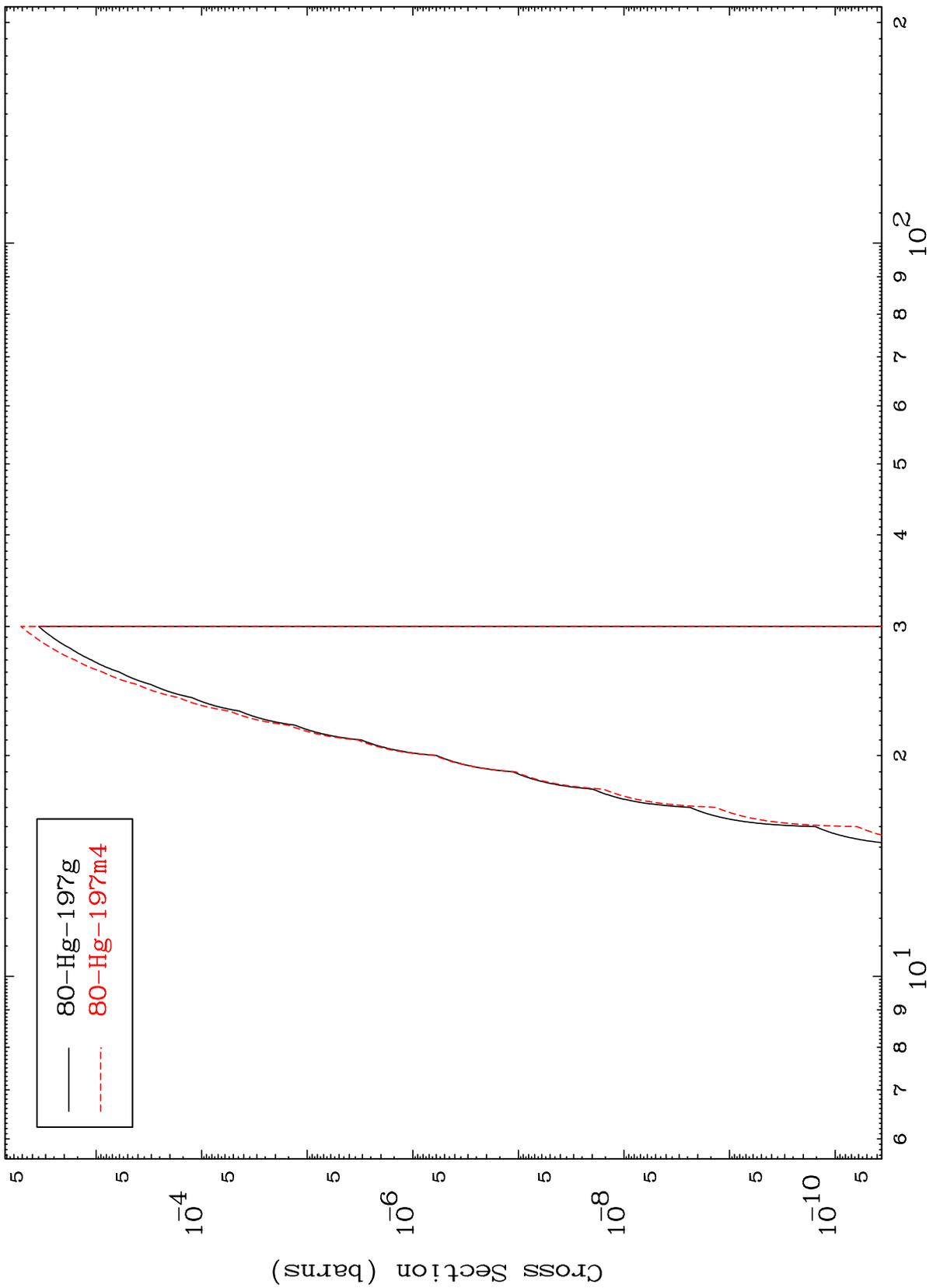
82-Pb-202

MAT 8219

(n,2n) α

82-Pb-202

Radionuclide Production Cross Section



136

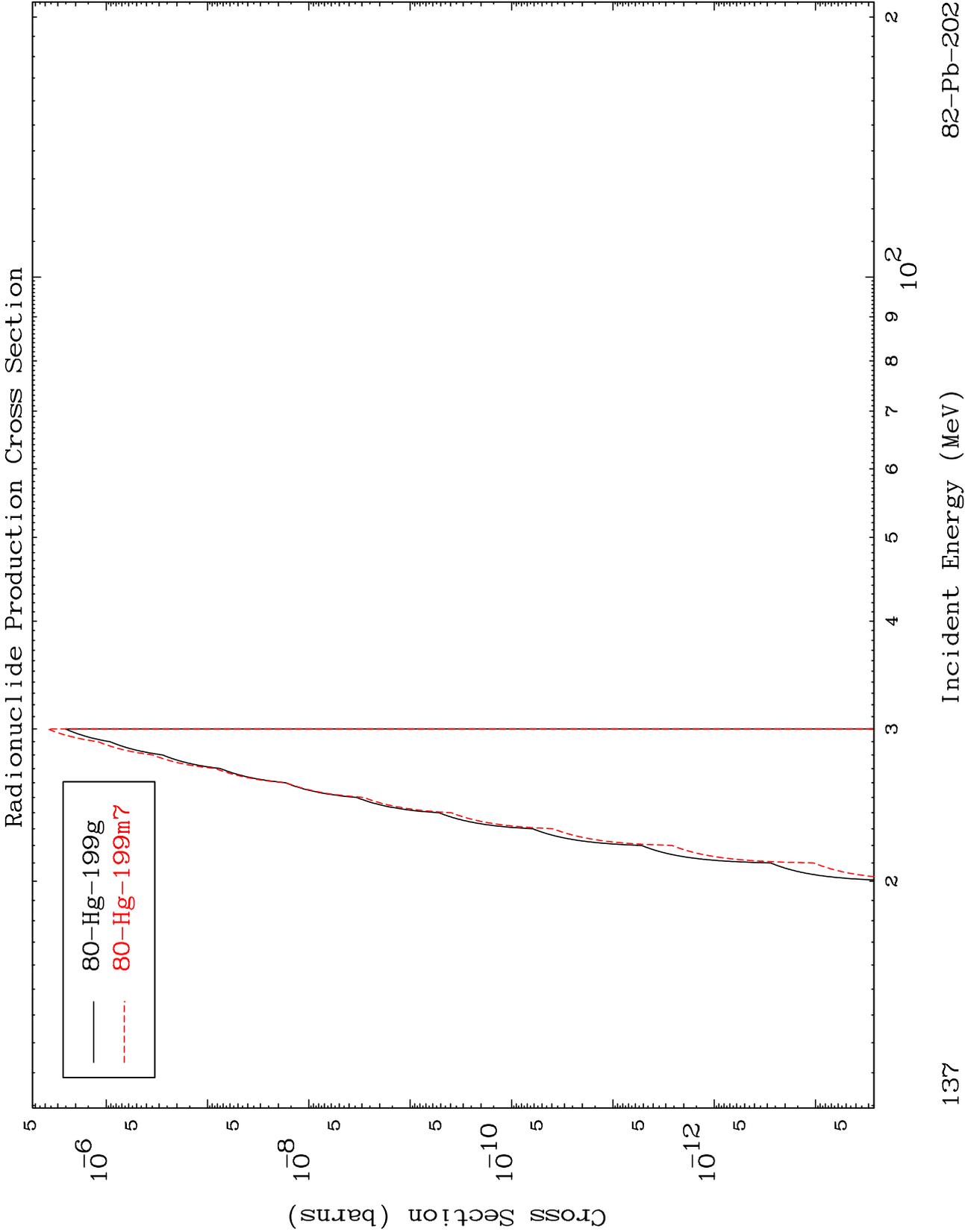
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,n') He-3

82-Pb-202



137

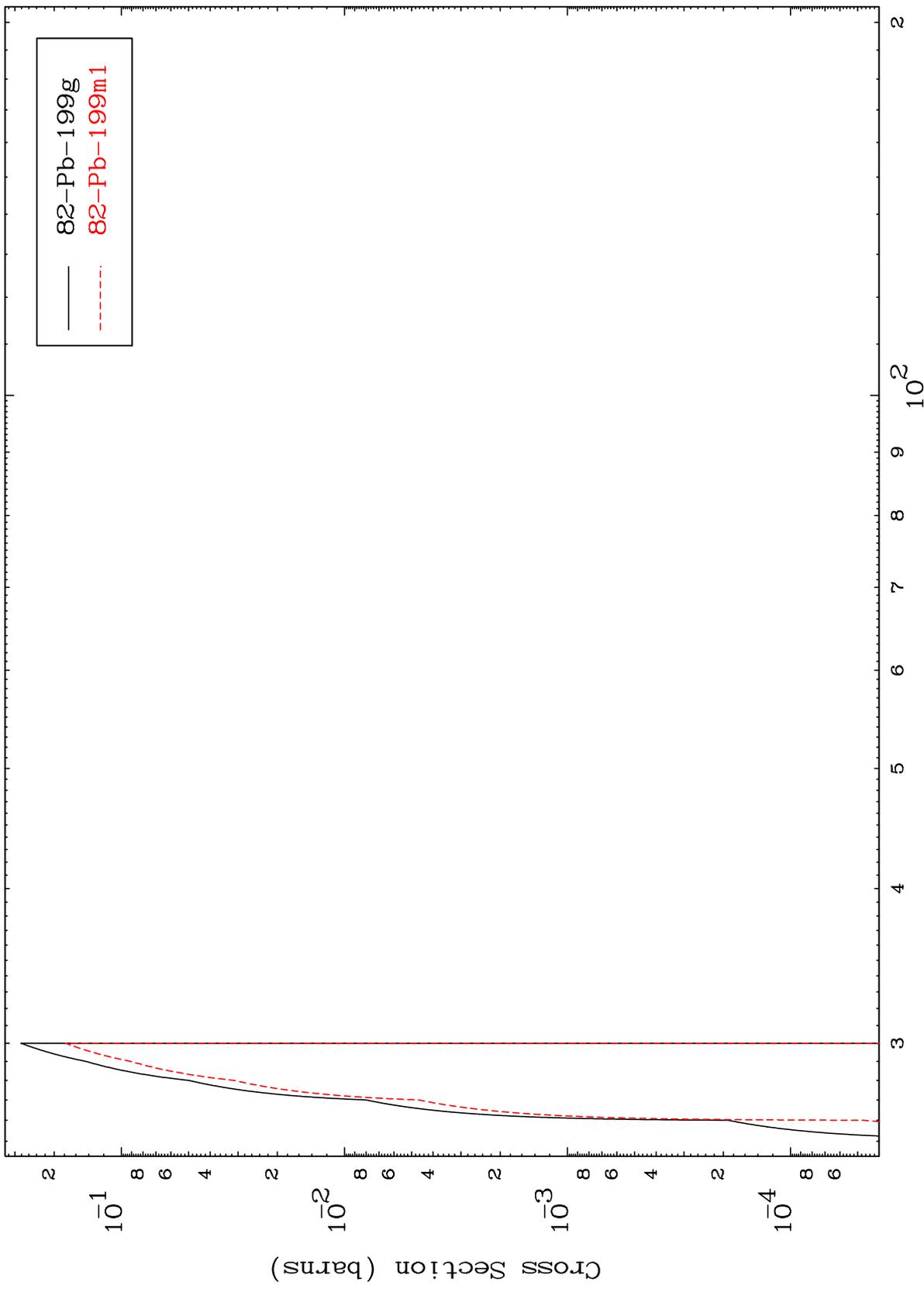
Incident Energy (MeV)

82-Pb-202

MAT 8219

82-Pb-202

(n,4n)
Radionuclide Production Cross Section



138

82-Pb-202

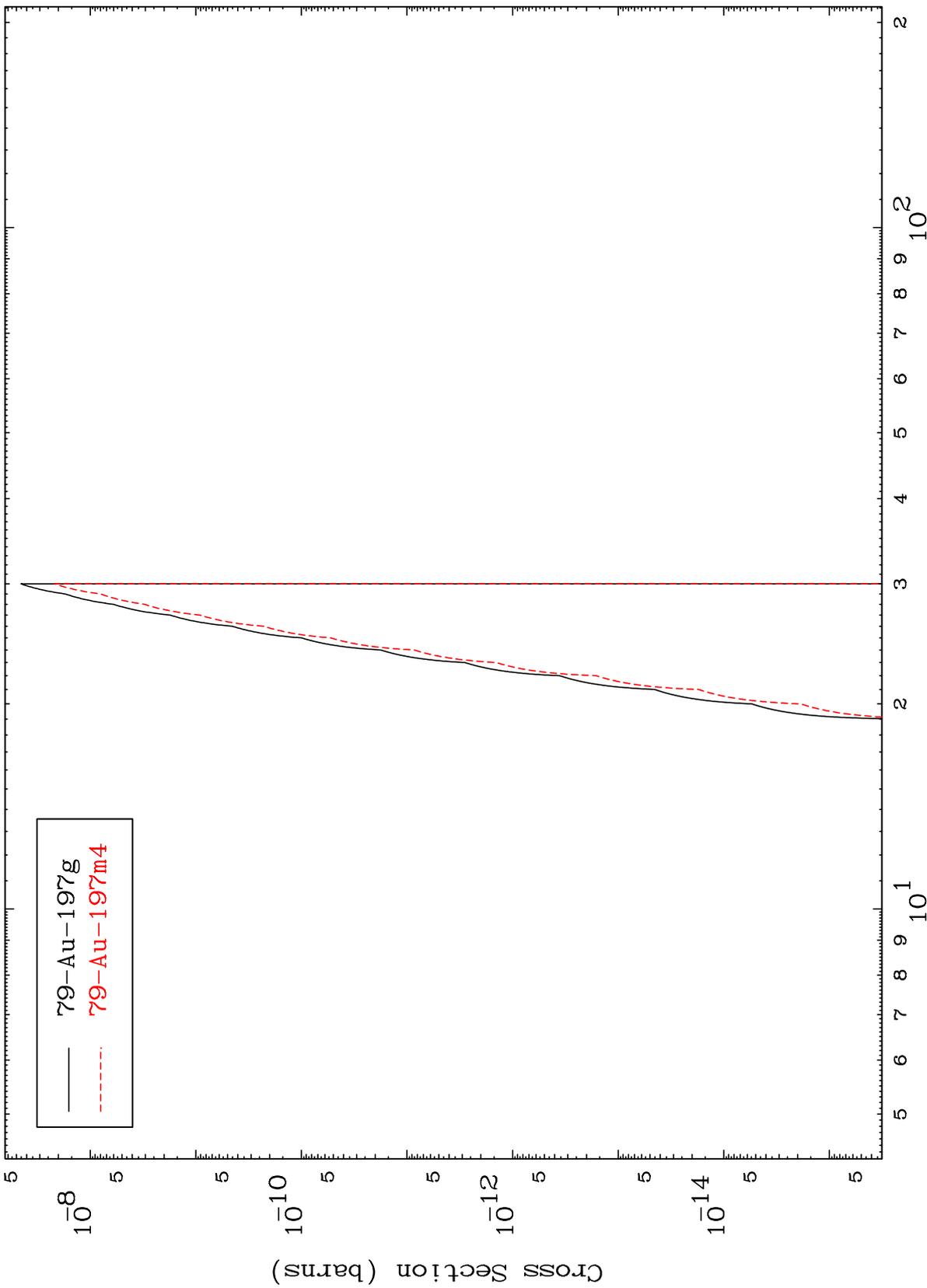
Incident Energy (MeV)

MAT 8219

(n,n') p α

82-Pb-202

Radionuclide Production Cross Section



139

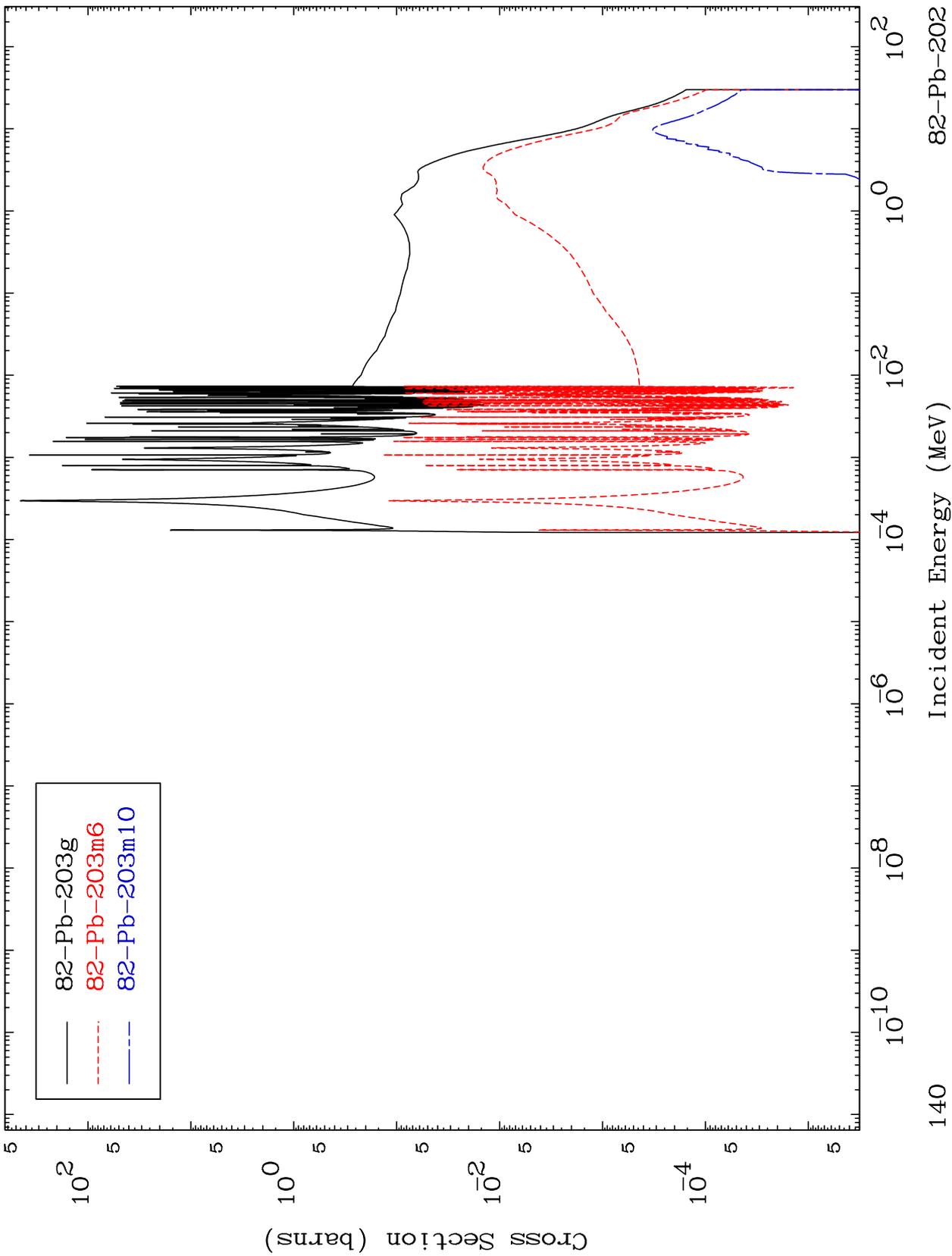
Incident Energy (MeV)

82-Pb-202

MAT 8219

82-Pb-202

(n,γ)
Radionuclide Production Cross Section



140

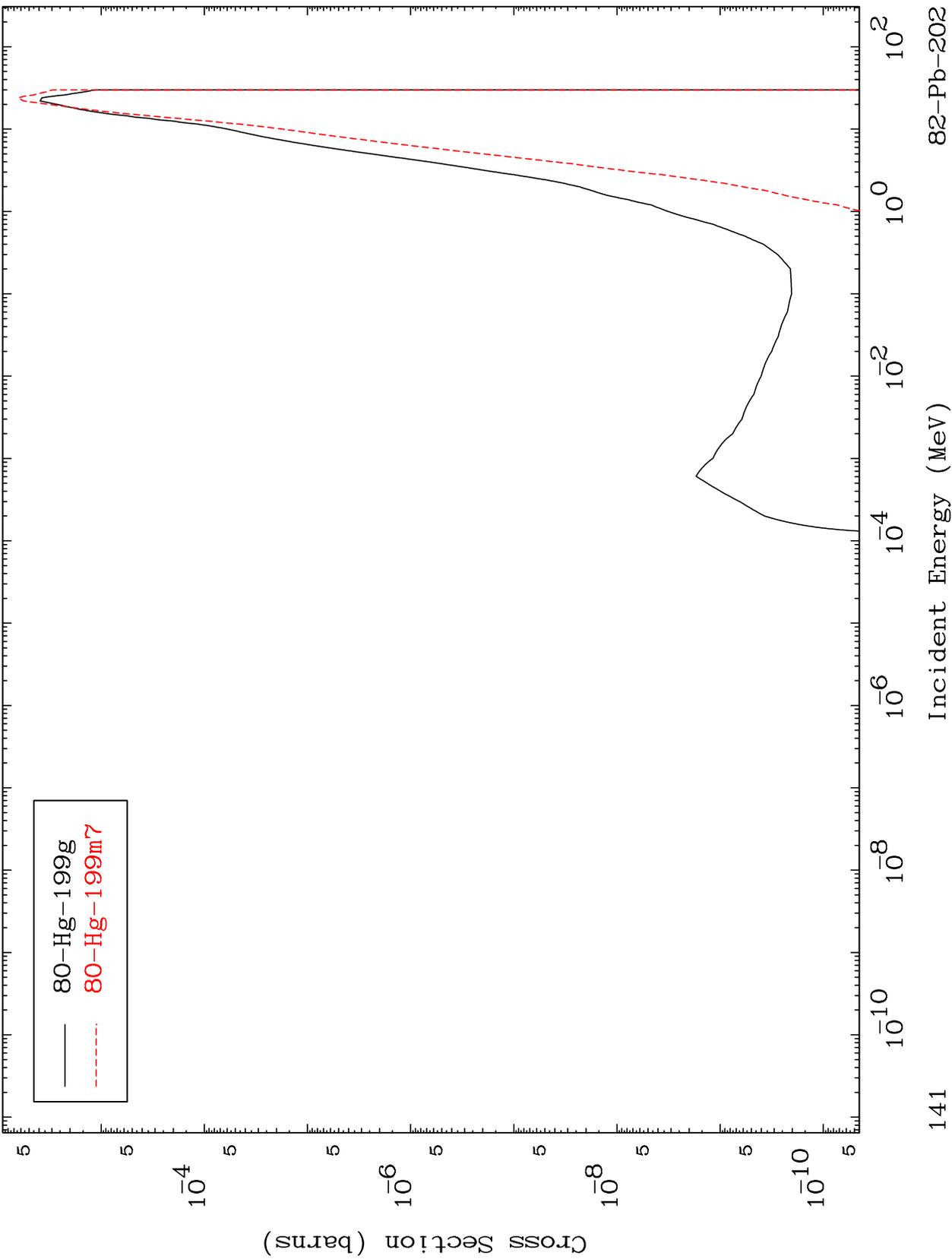
82-Pb-202

MAT 8219

(n, α)

82-Pb-202

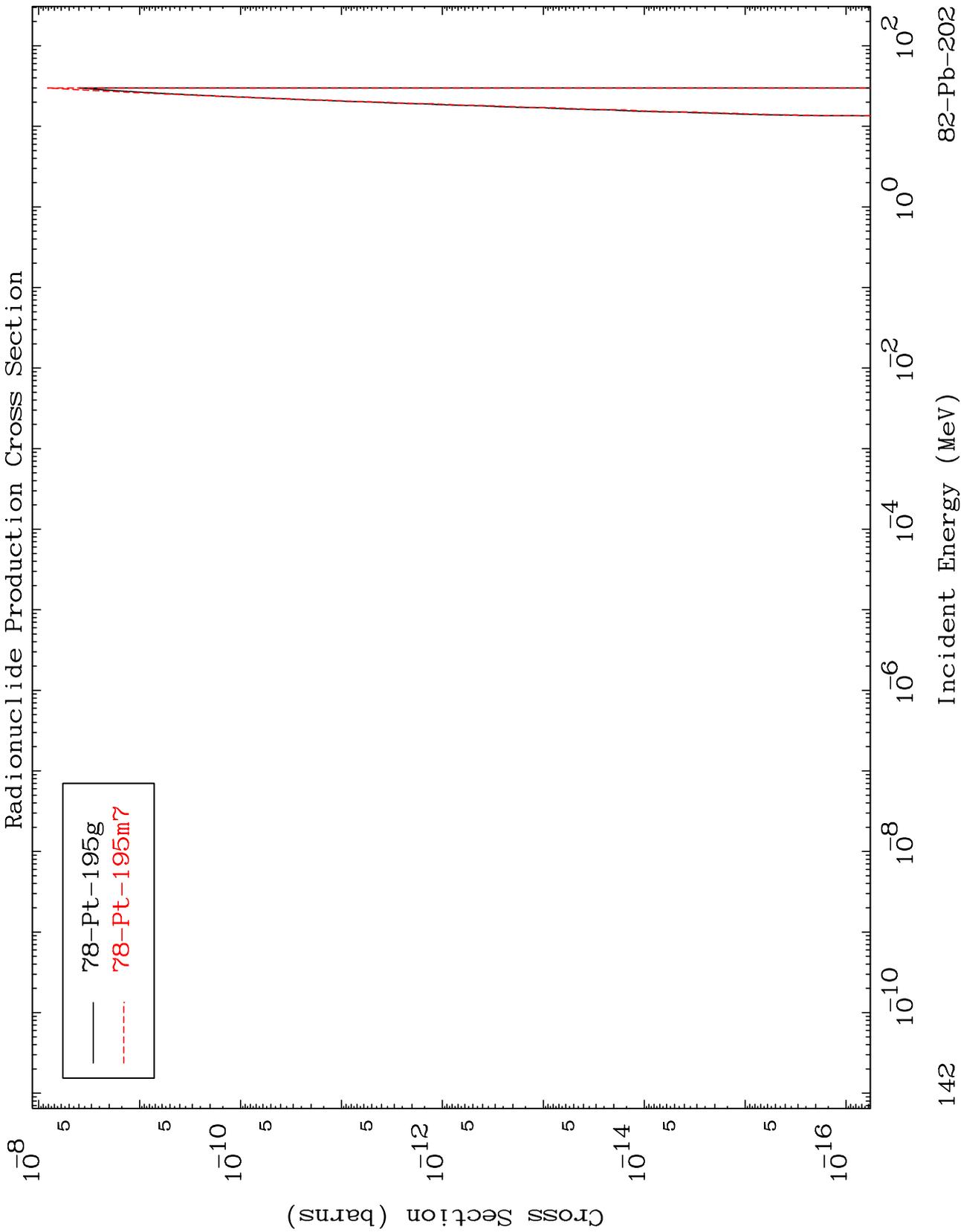
Radionuclide Production Cross Section



MAT 8219

82-Pb-202

(n,2α)
Radionuclide Production Cross Section

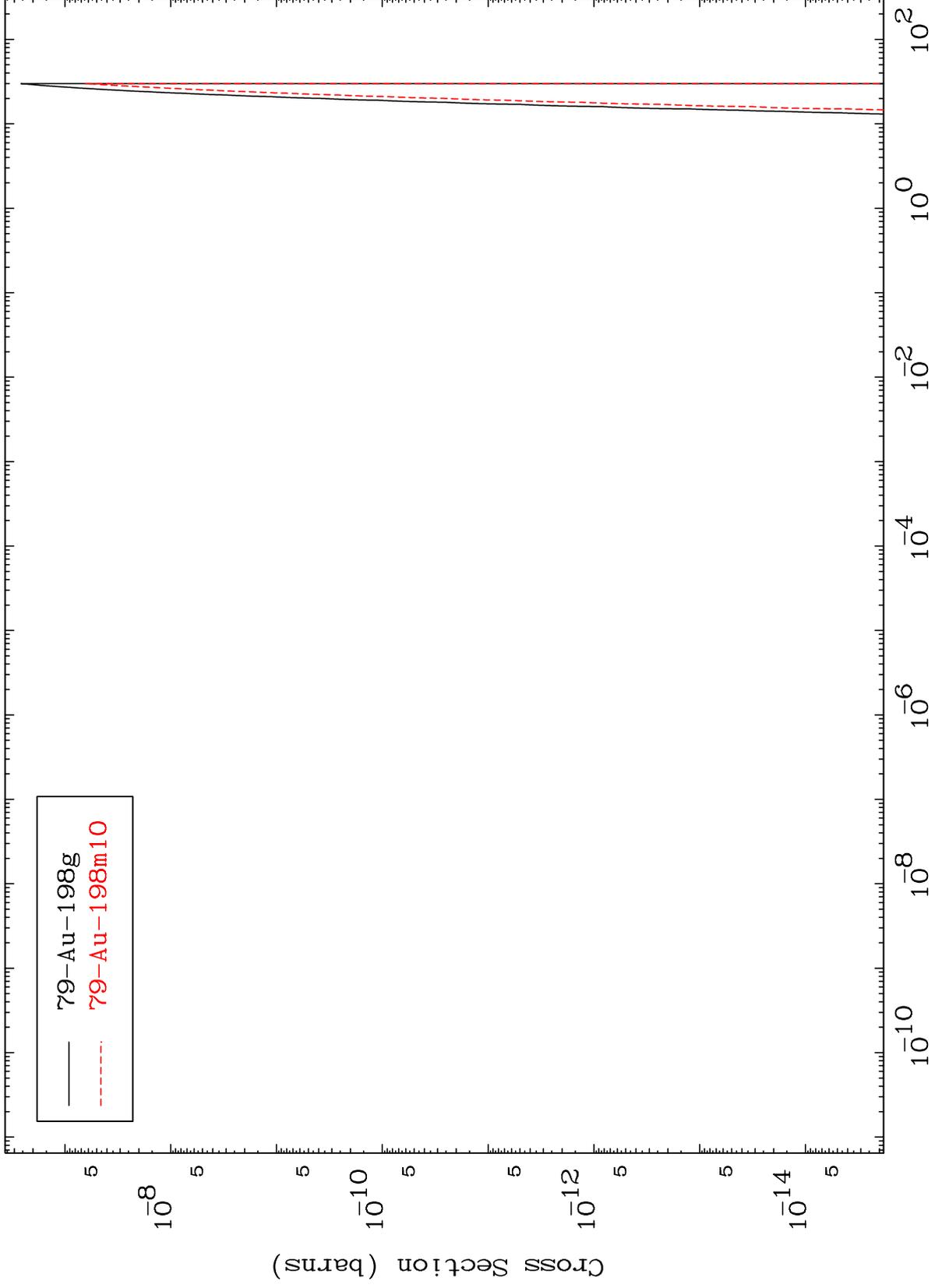


MAT 8219

(n,p) α

82-Pb-202

Radionuclide Production Cross Section

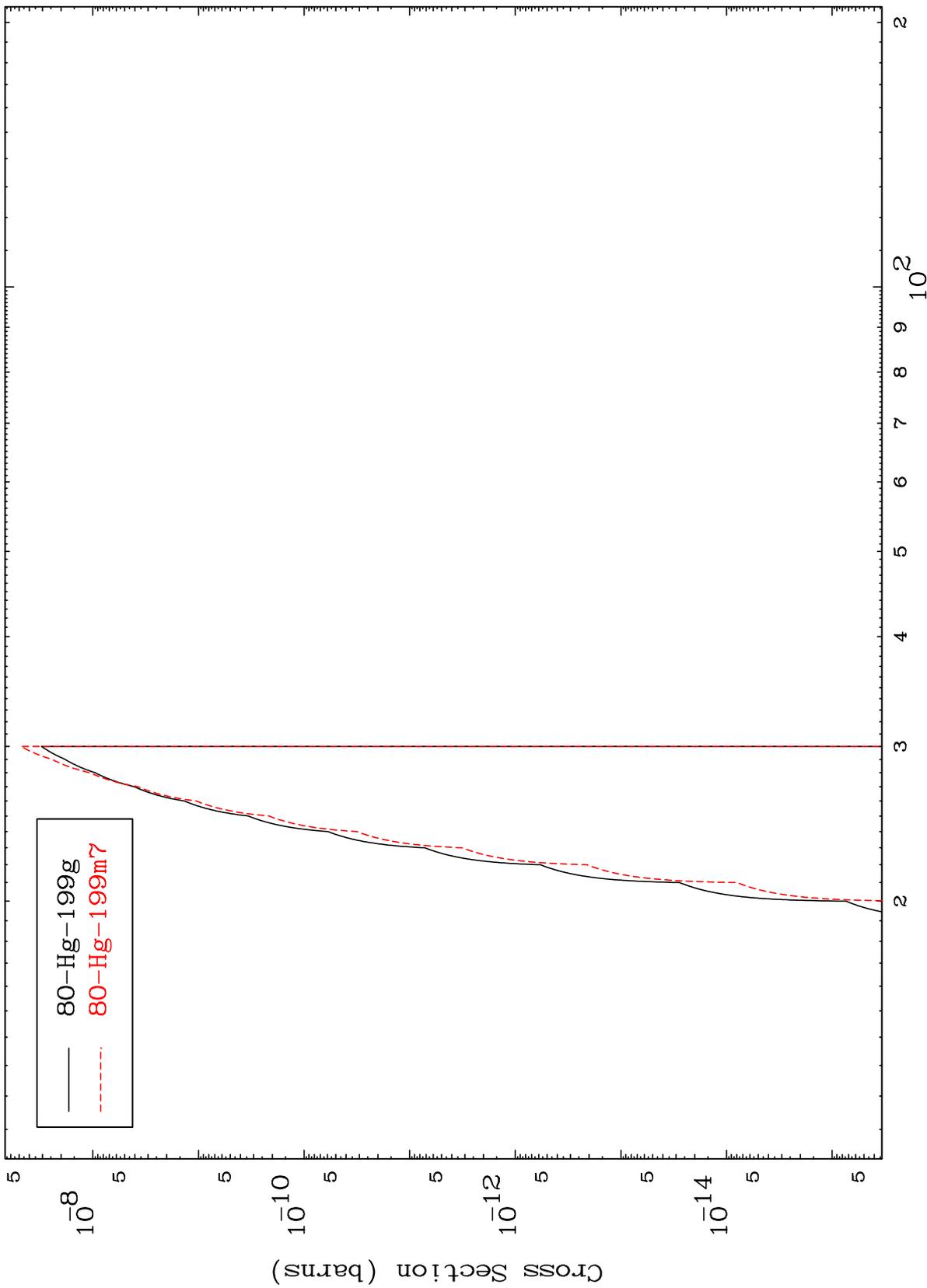


MAT 8219

(n,p) t

82-Pb-202

Radionuclide Production Cross Section



144

Incident Energy (MeV)

82-Pb-202