

Program EVALPLOT  
(Version 2021-1)

by

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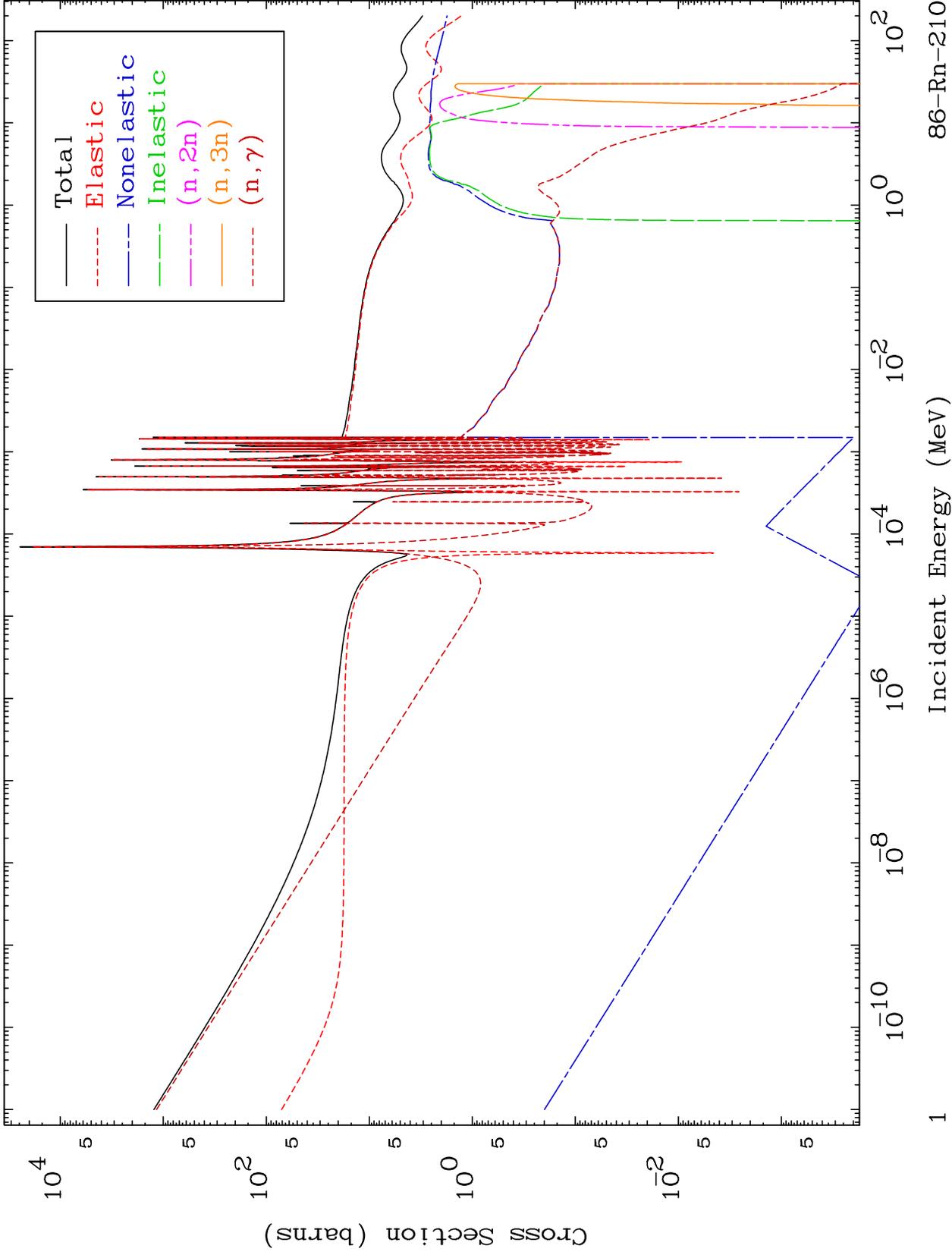
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Press Mouse Button to Start

MAT 8622

Neutron Major  
293 Kelvin Cross Sections

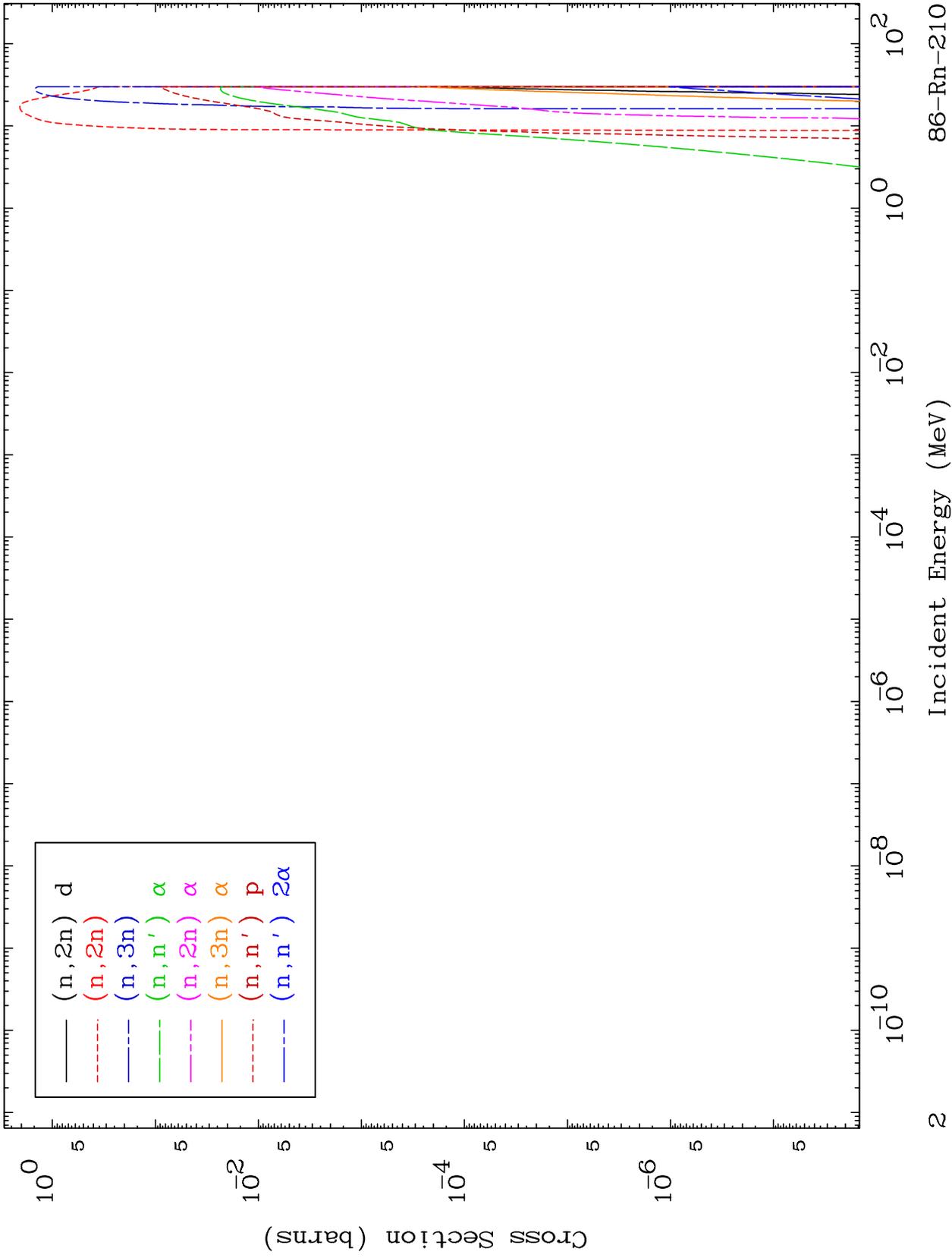
86-Rn-210



MAT 86222

Neutron Absorption  
293 Kelvin Cross Sections

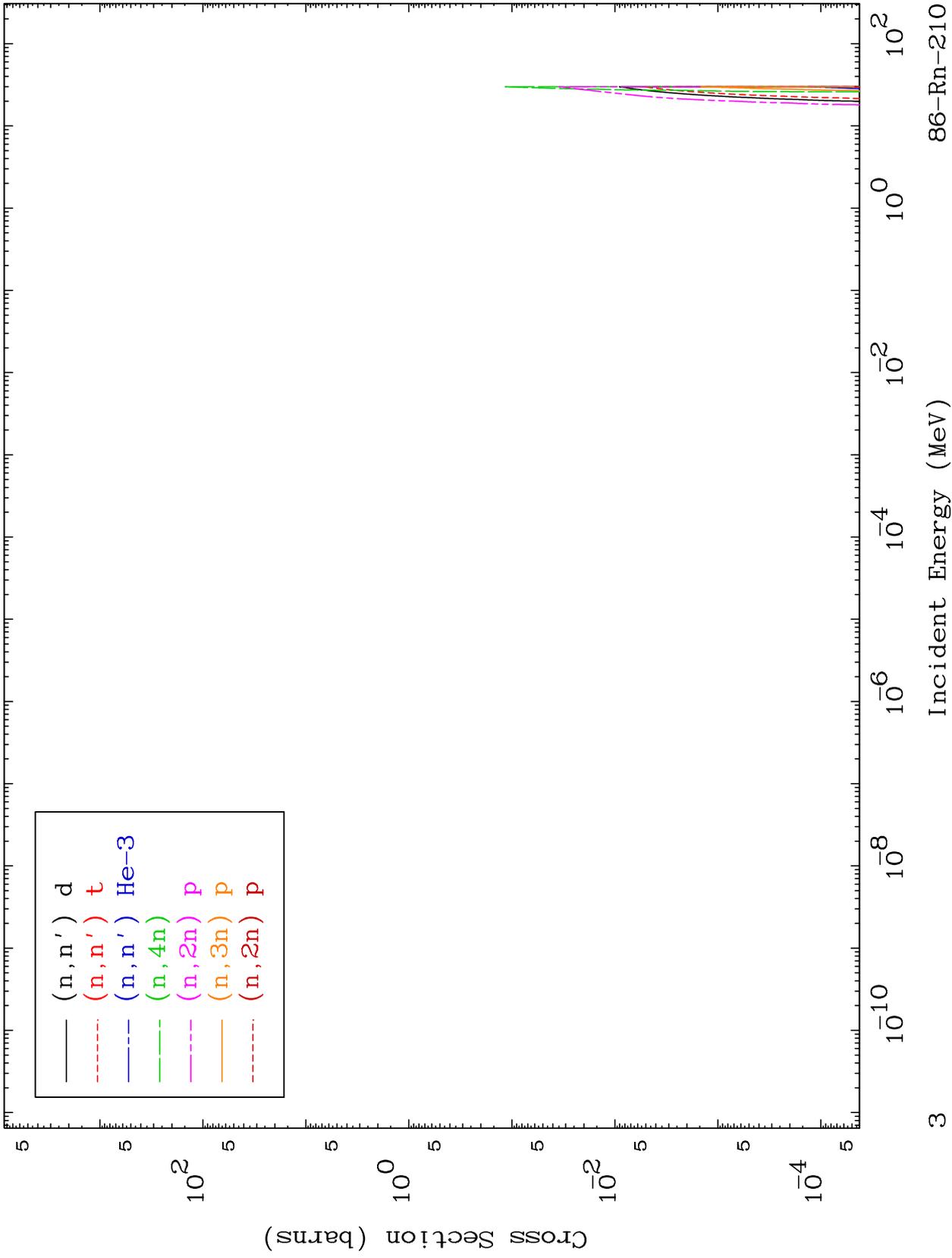
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MAT 86222

Neutron Absorption  
293 Kelvin Cross Sections

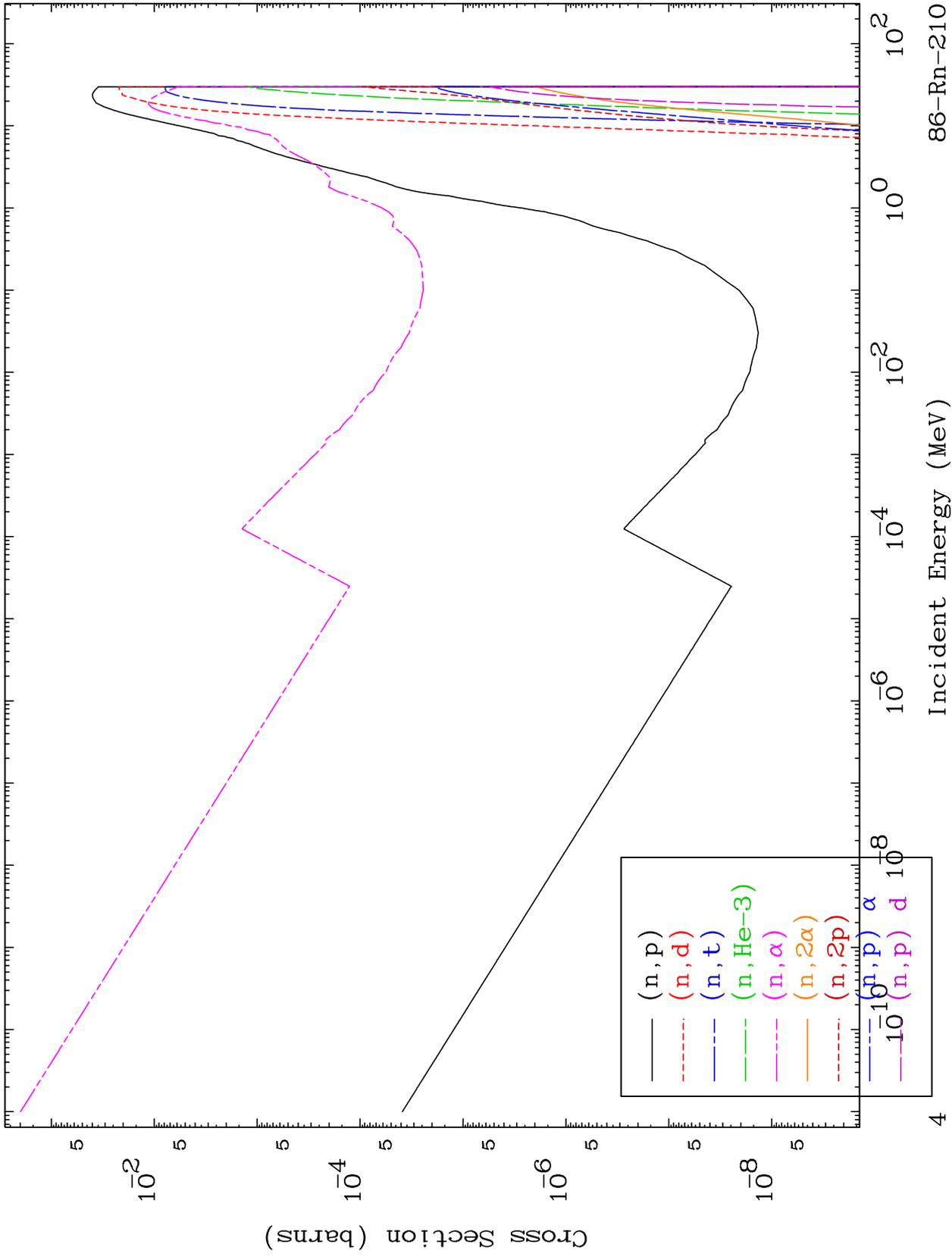
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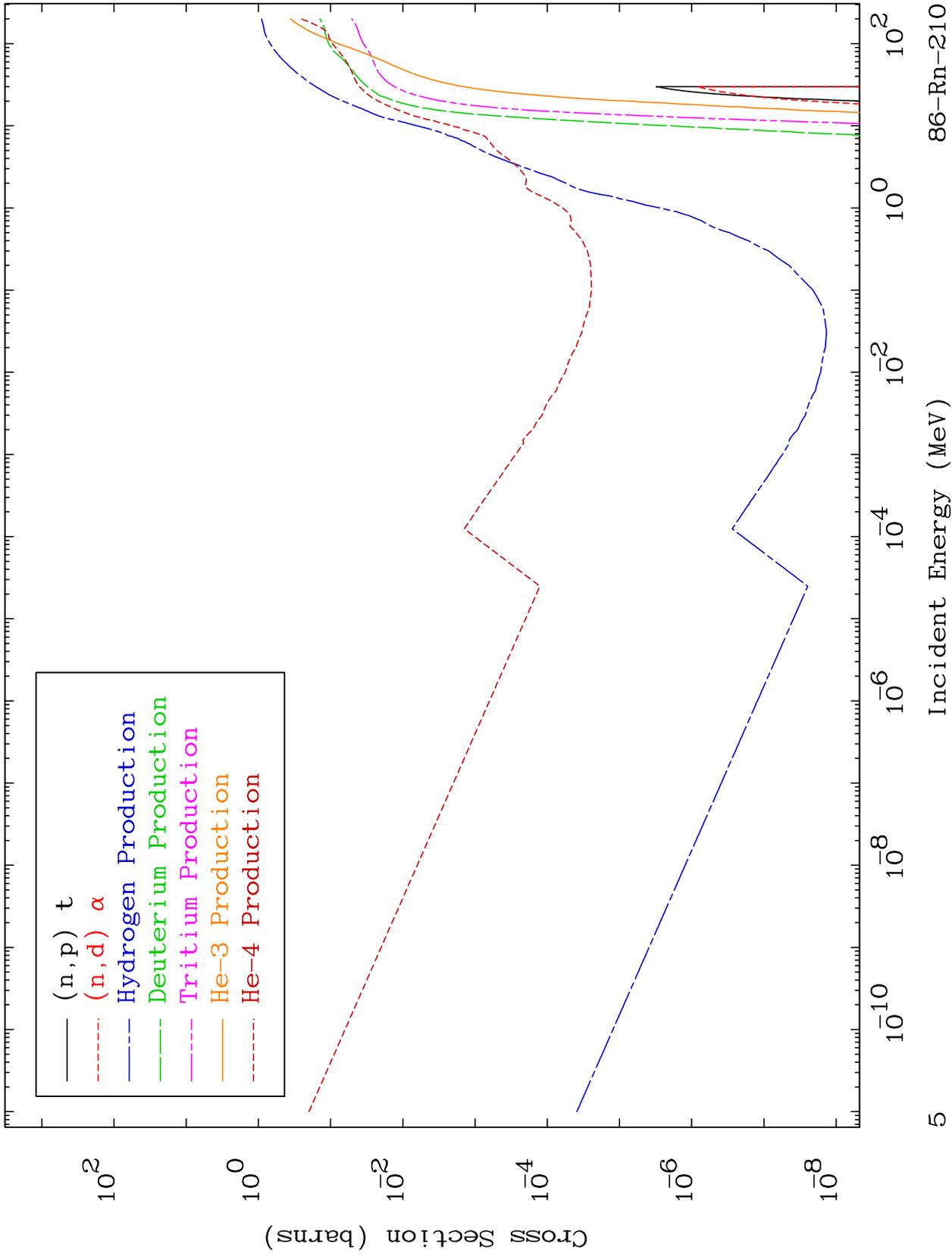


MAT 86222

Neutron Absorption  
293 Kelvin Cross Sections

86-Rn-210

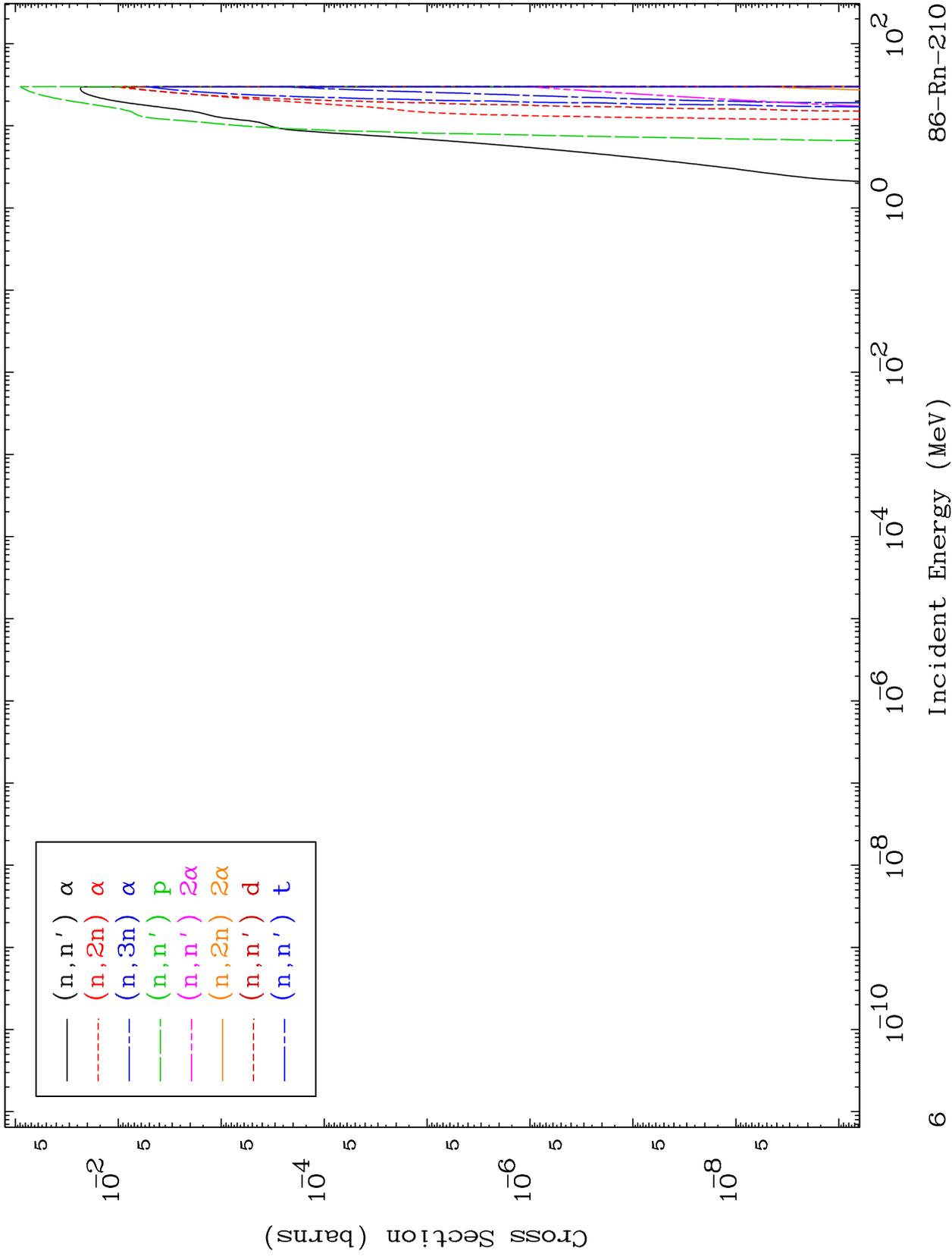




MAT 86222

Charged Particle  
293 Kelvin Cross Sections

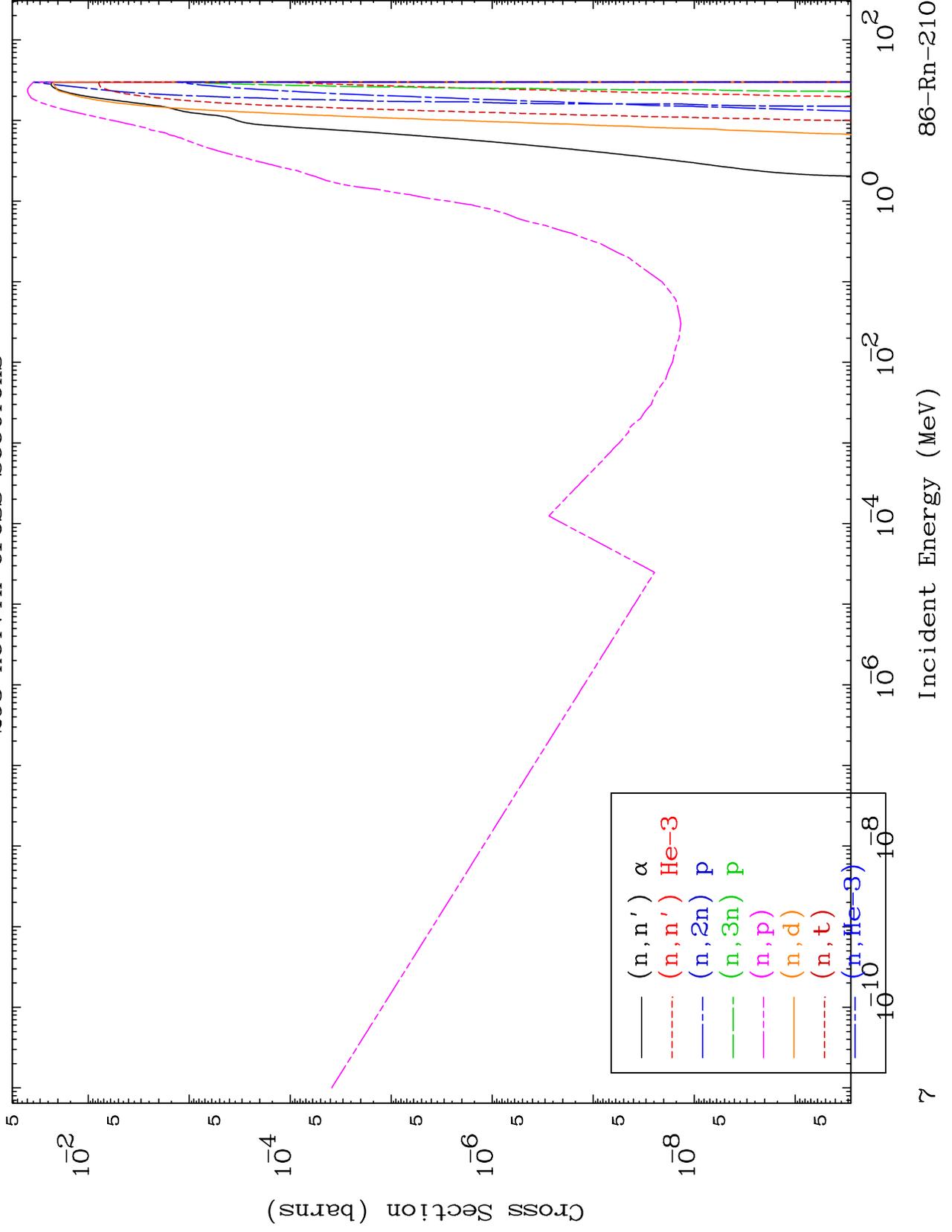
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MAT 8622

Charged Particle  
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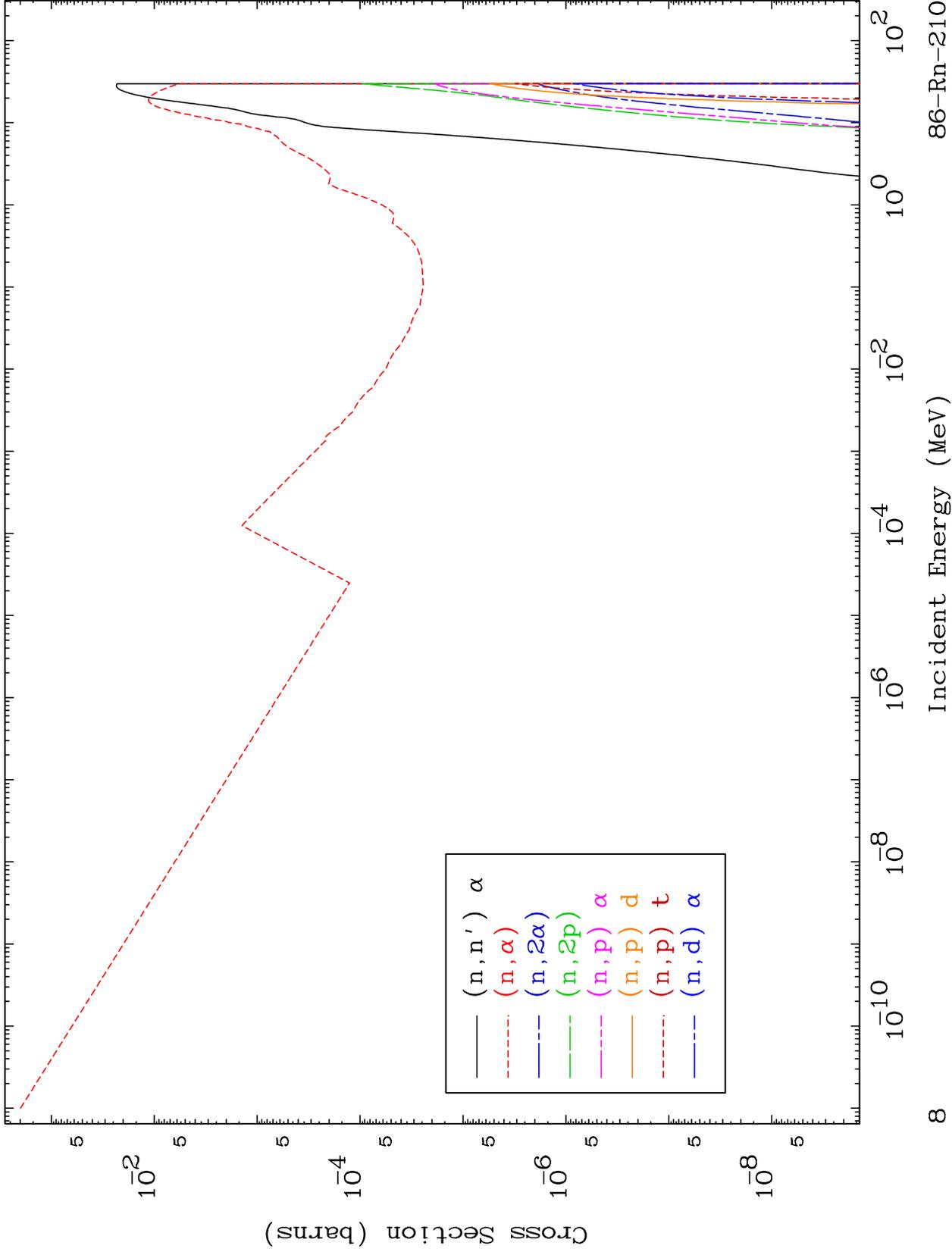
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MAT 8622

Charged Particle  
293 Kelvin Cross Sections

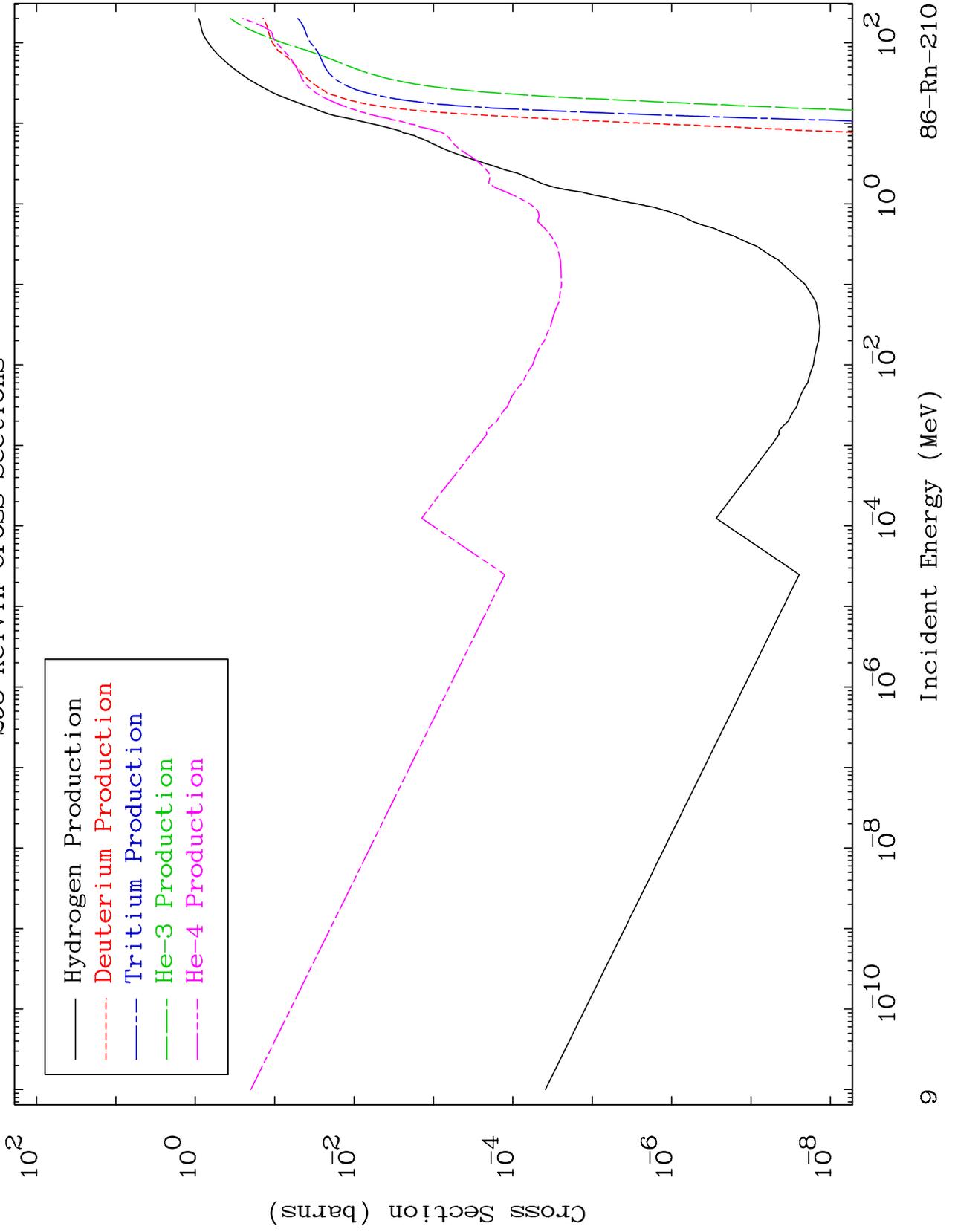
86-Rn-210



MAT 8622

Particle Production  
293 Kelvin Cross Sections

86-Rn-210

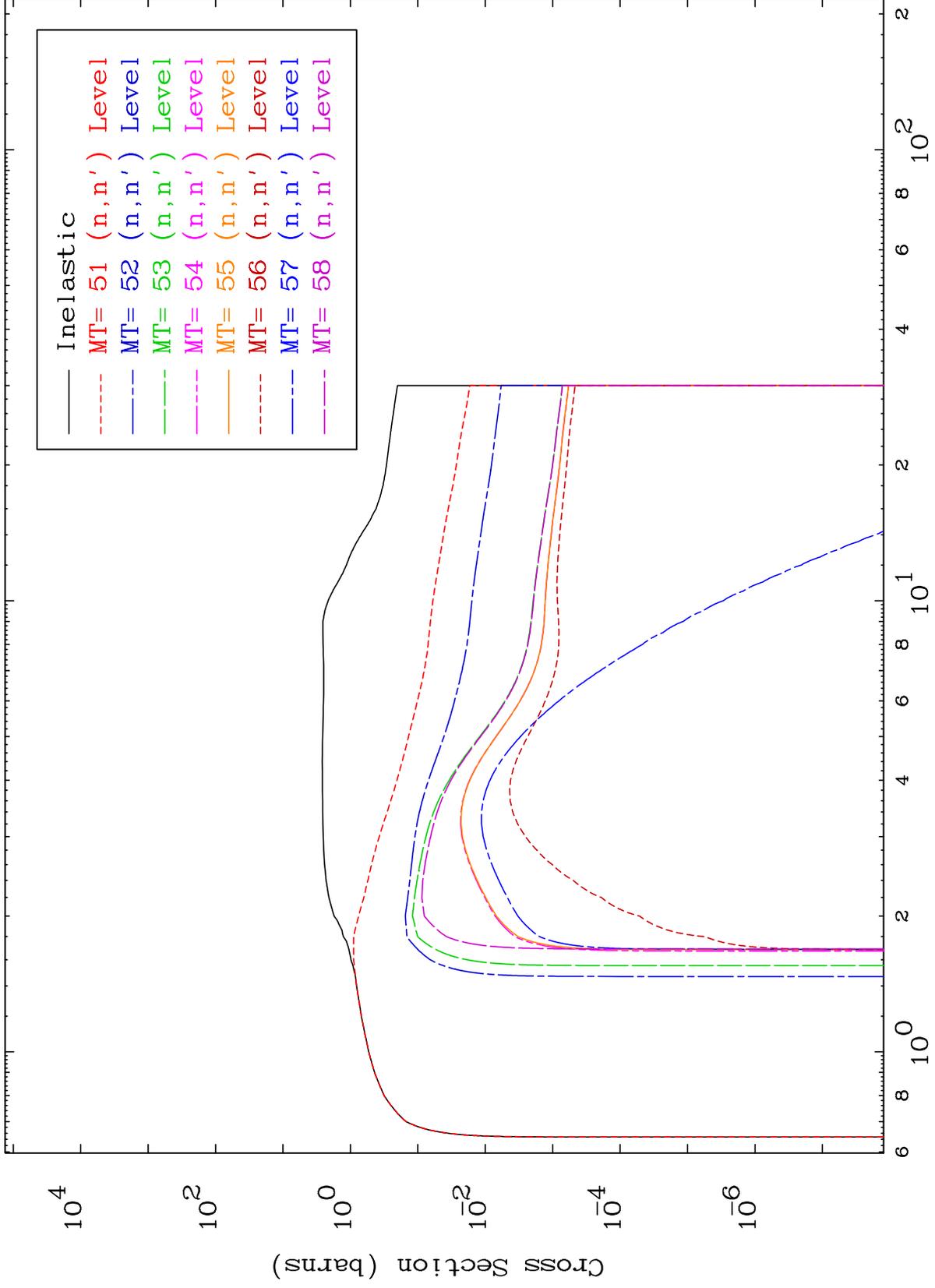


MAT 8622

(n,n') Levels

86-Rn-210

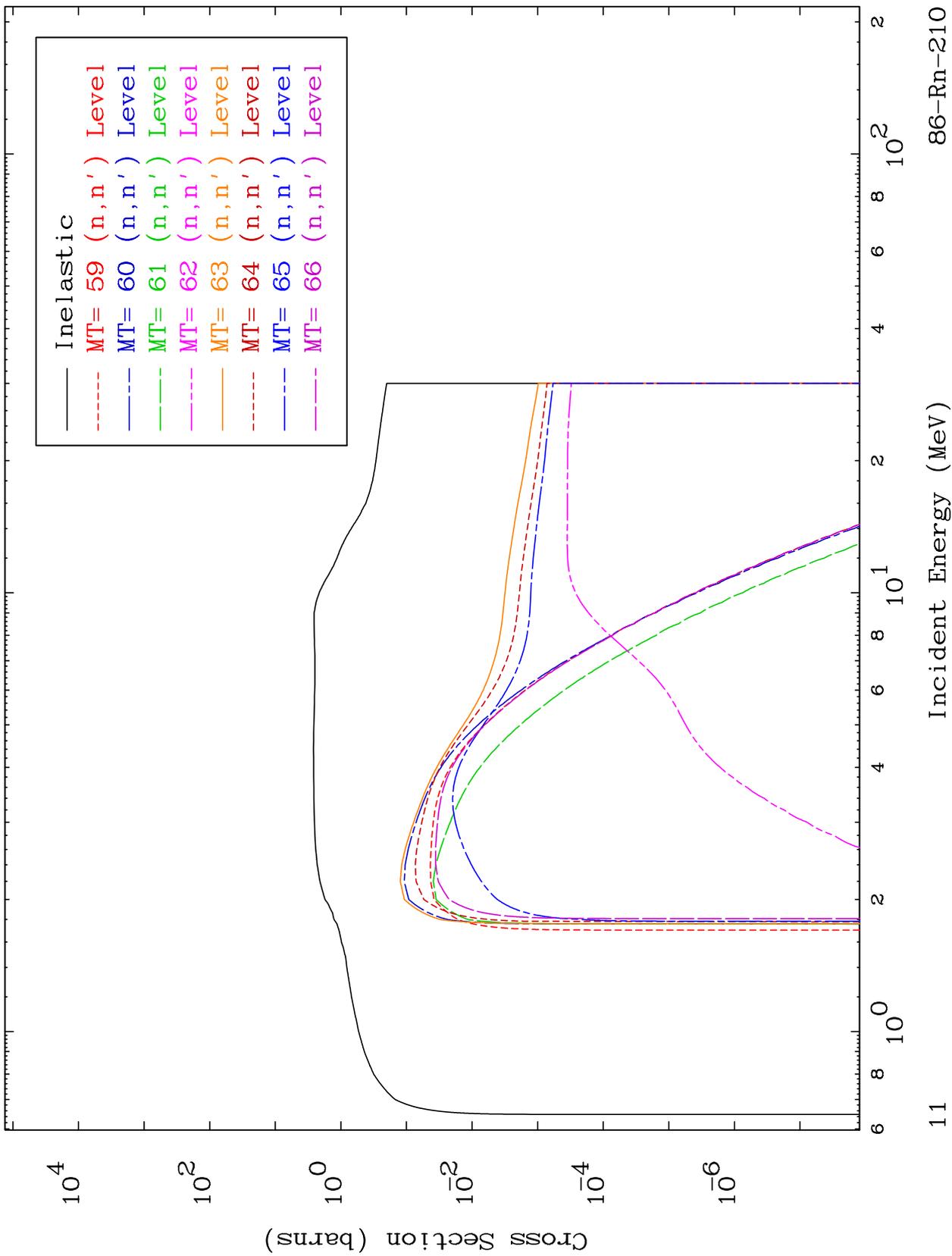
293 Kelvin Cross Sections

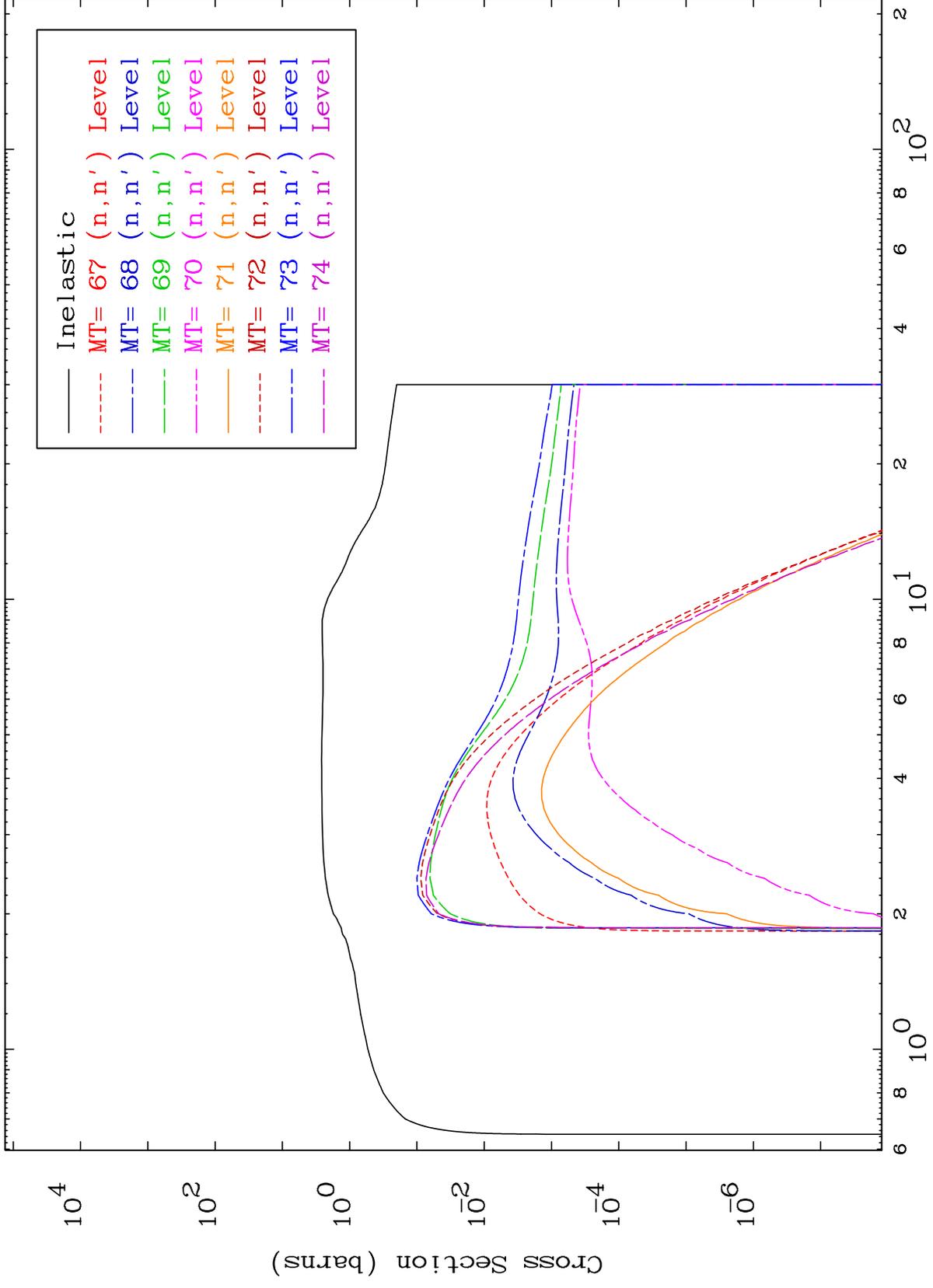


10

Incident Energy (MeV)

86-Rn-210



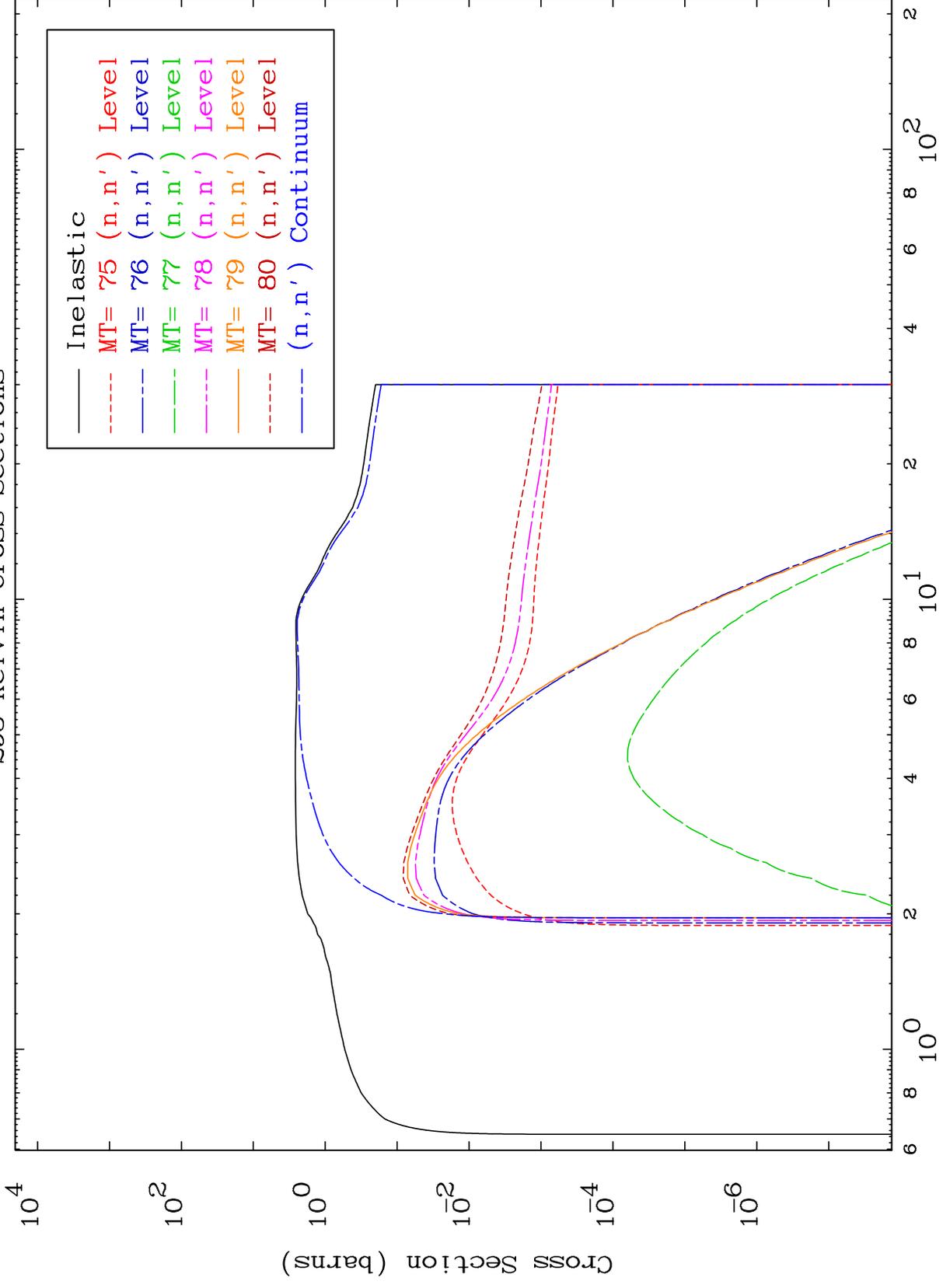


MAT 8622

(n,n') Levels

86-Rn-210

293 Kelvin Cross Sections



13

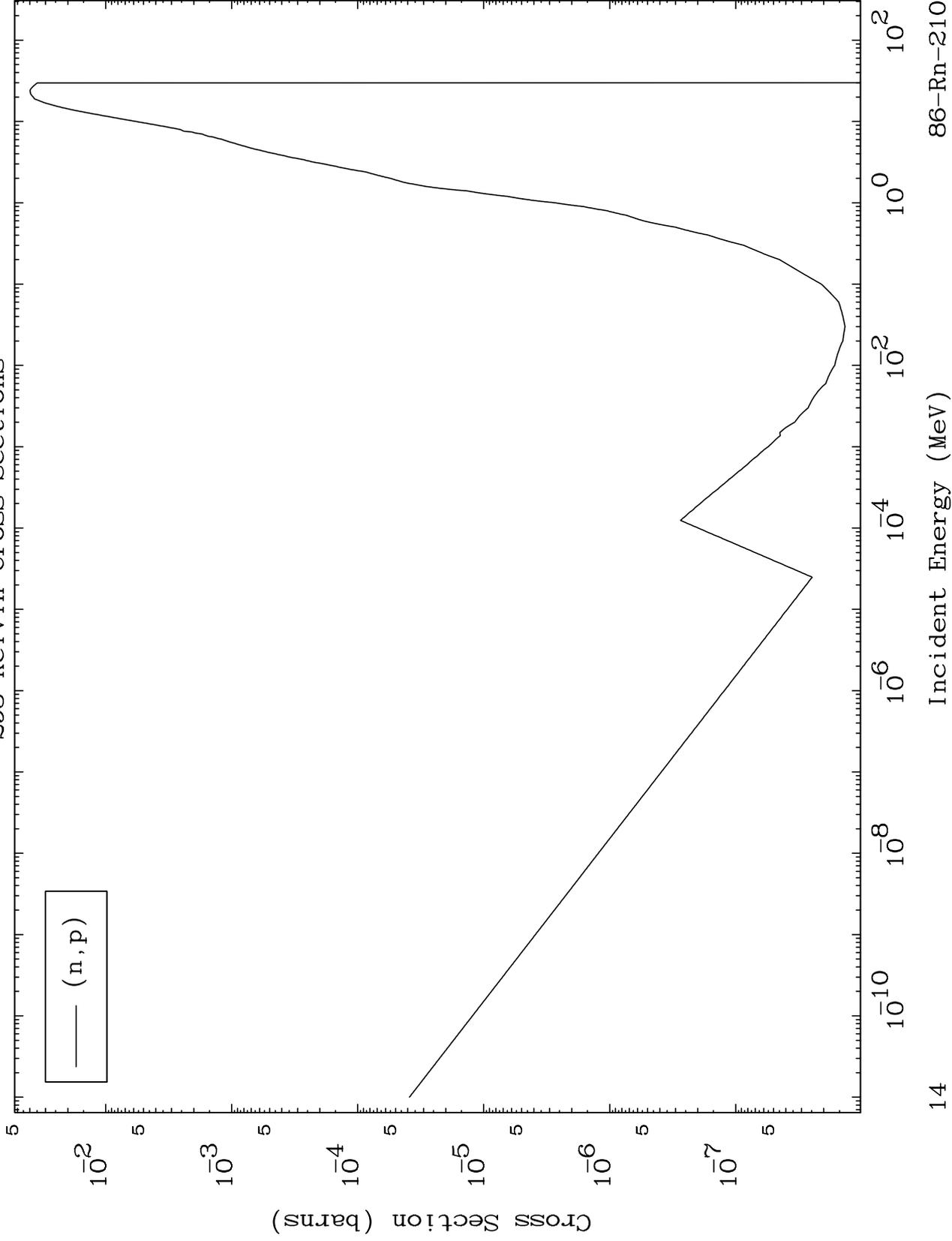
Incident Energy (MeV)

86-Rn-210

MAT 8622

(n,p) Levels  
293 Kelvin Cross Sections

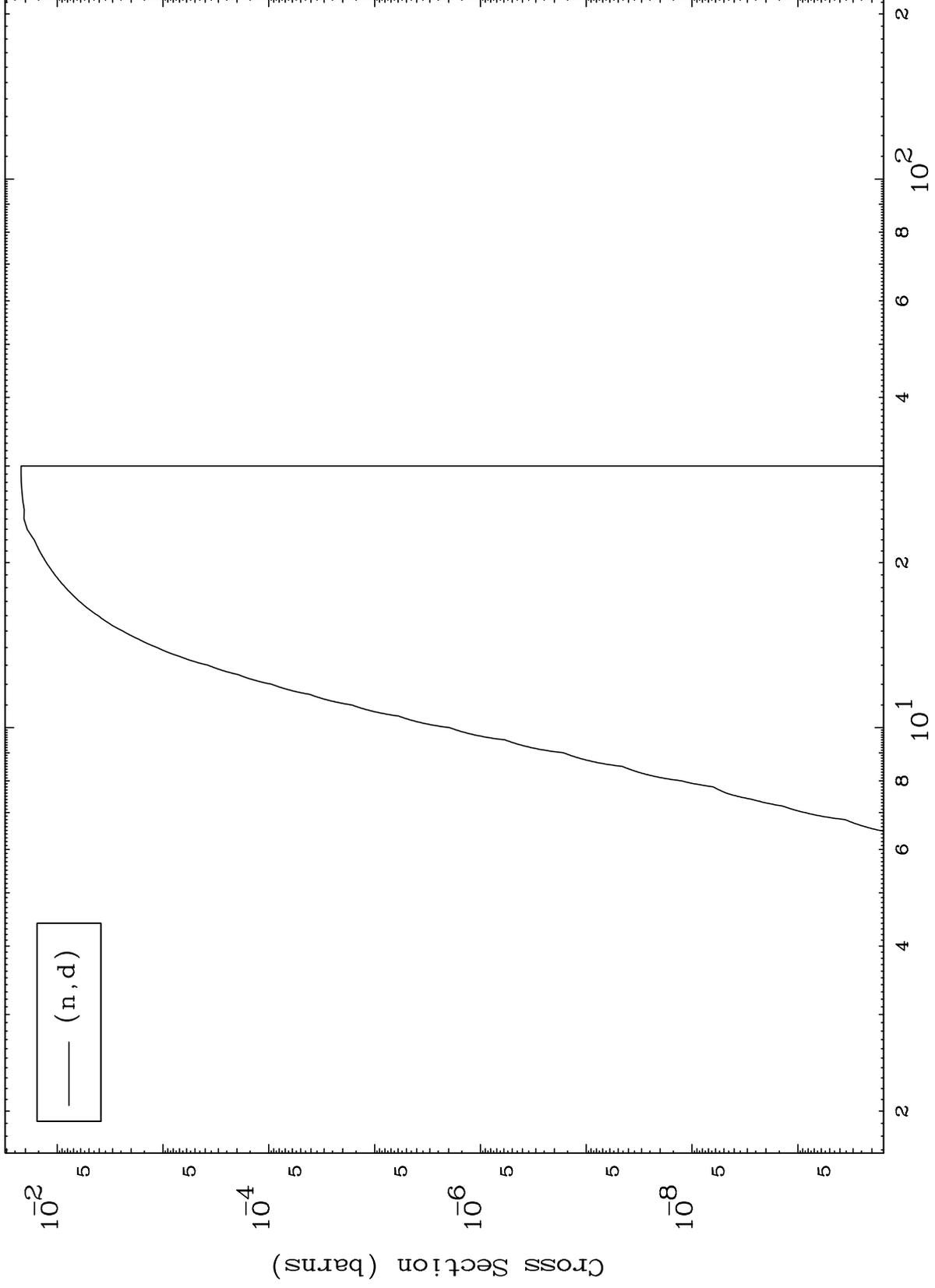
86-Rn-210



MAT 8622

(n,d) Levels  
293 Kelvin Cross Sections

86-Rn-210



15

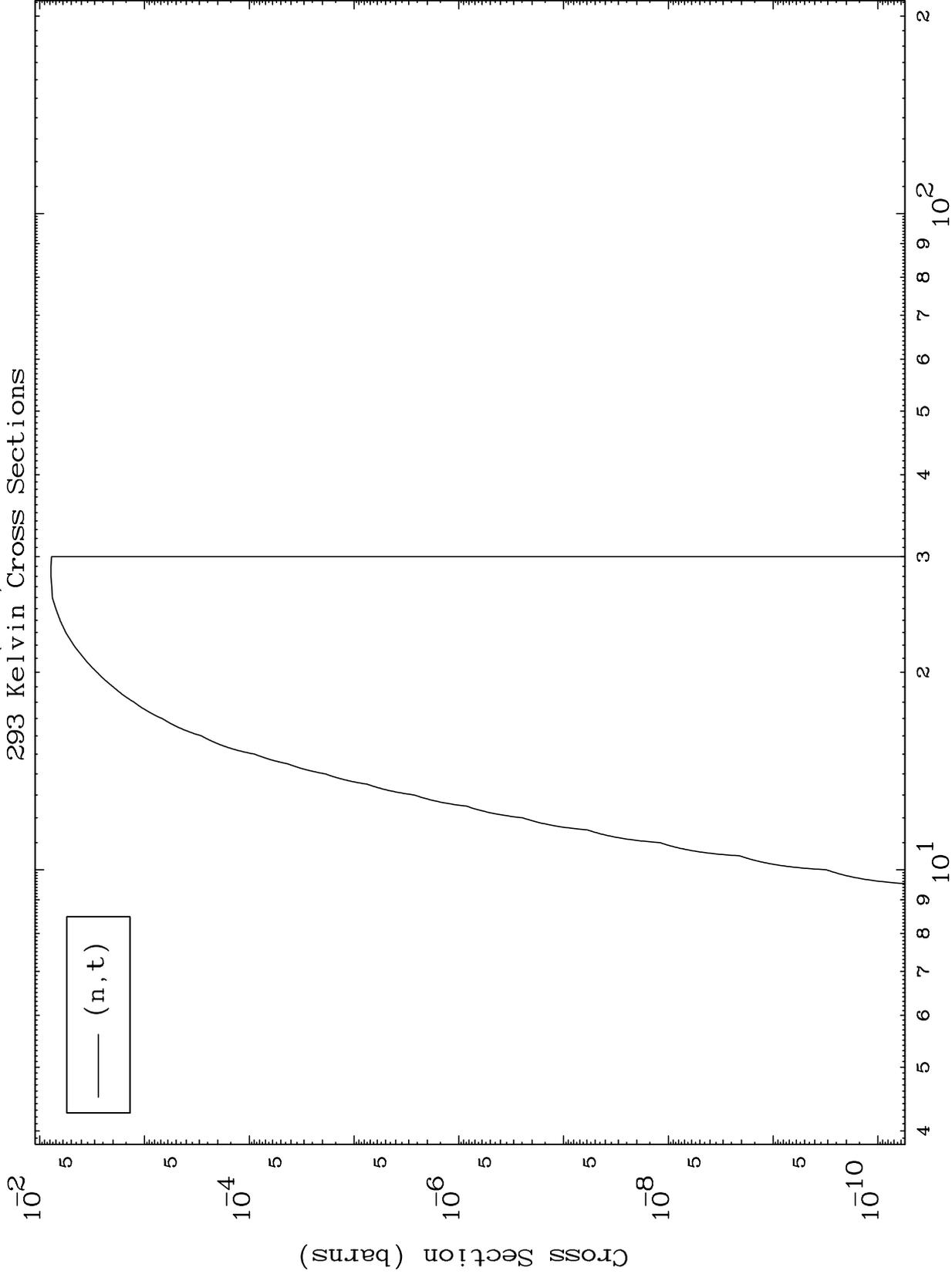
Incident Energy (MeV)

86-Rn-210

MAT 8622

(n,t) Levels  
293 Kelvin Cross Sections

86-Rn-210



16

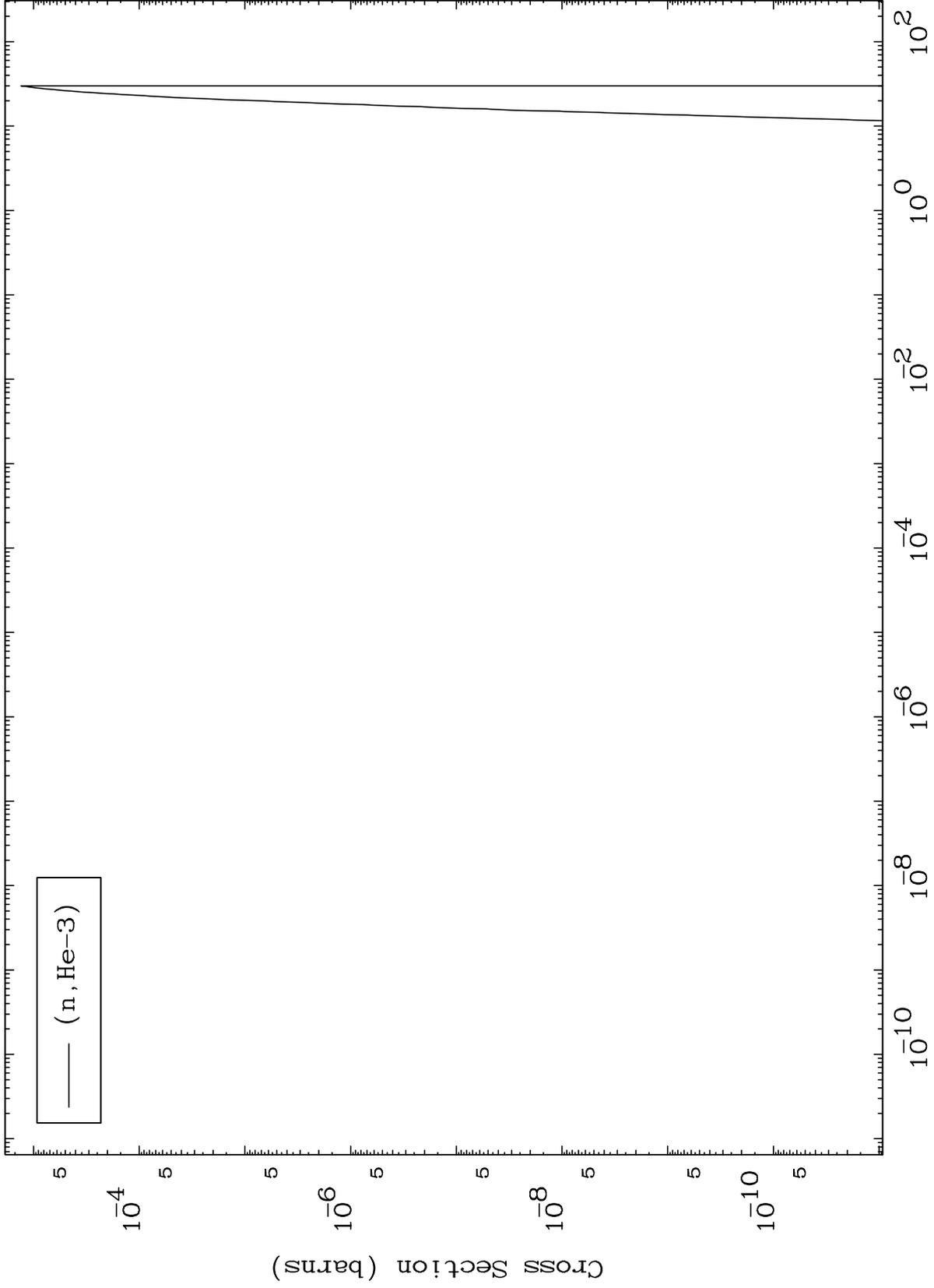
Incident Energy (MeV)

86-Rn-210

MAT 8622

(n,He3) Levels  
293 Kelvin Cross Sections

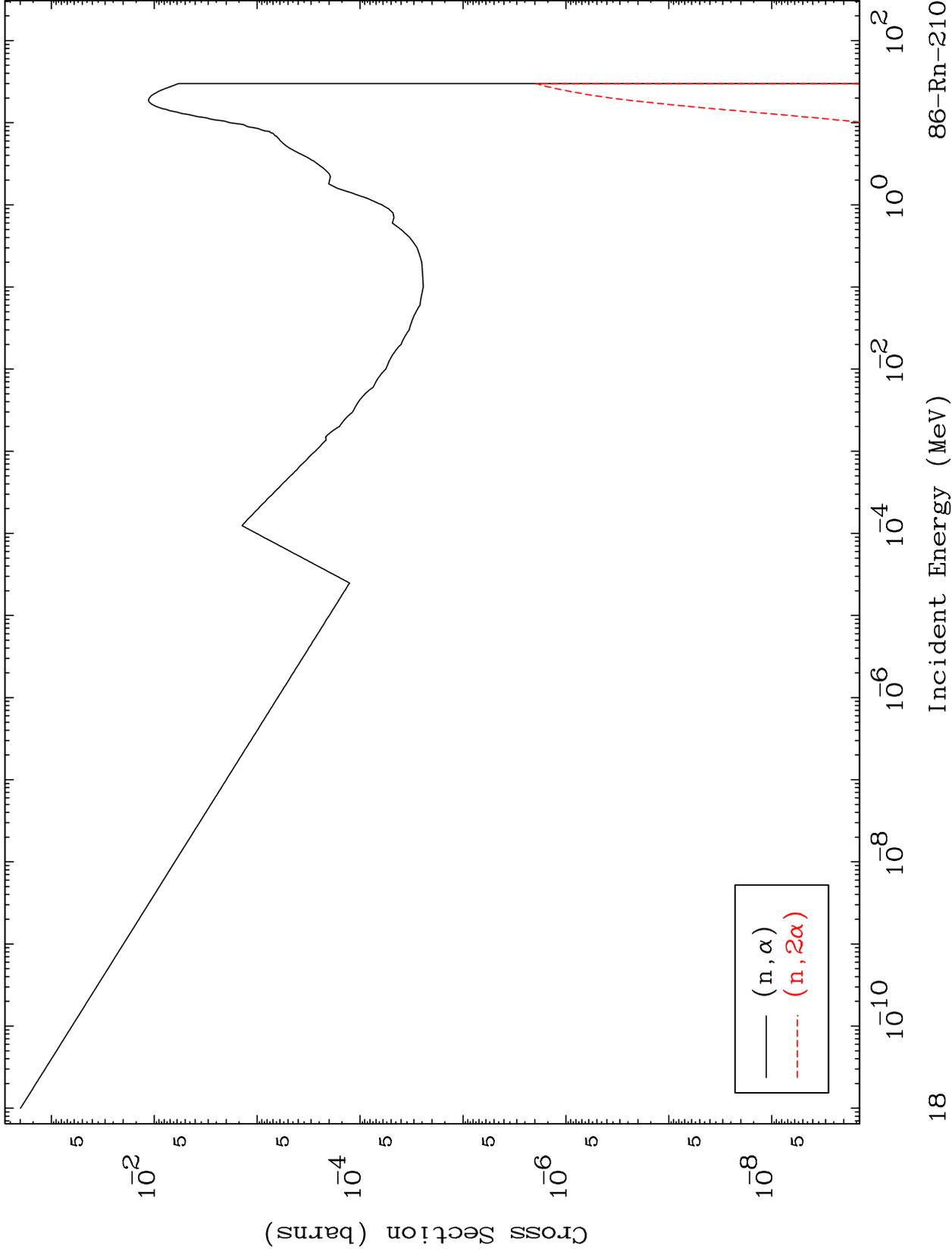
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MAT 8622

(n,α) Levels  
293 Kelvin Cross Sections

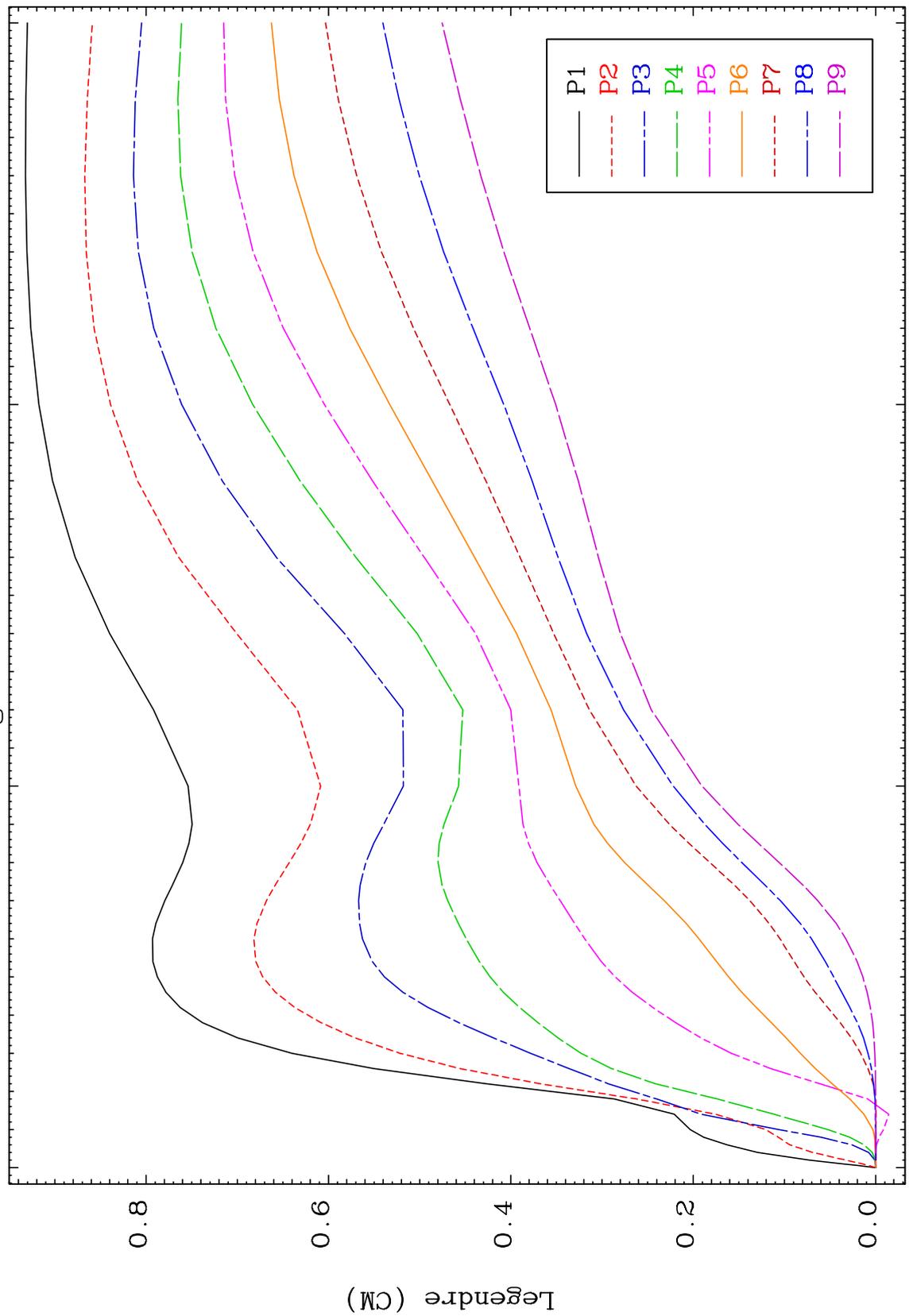
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MAT 8622

86-Rn-210

Elastic Legendre Coefficients



86-Rn-210

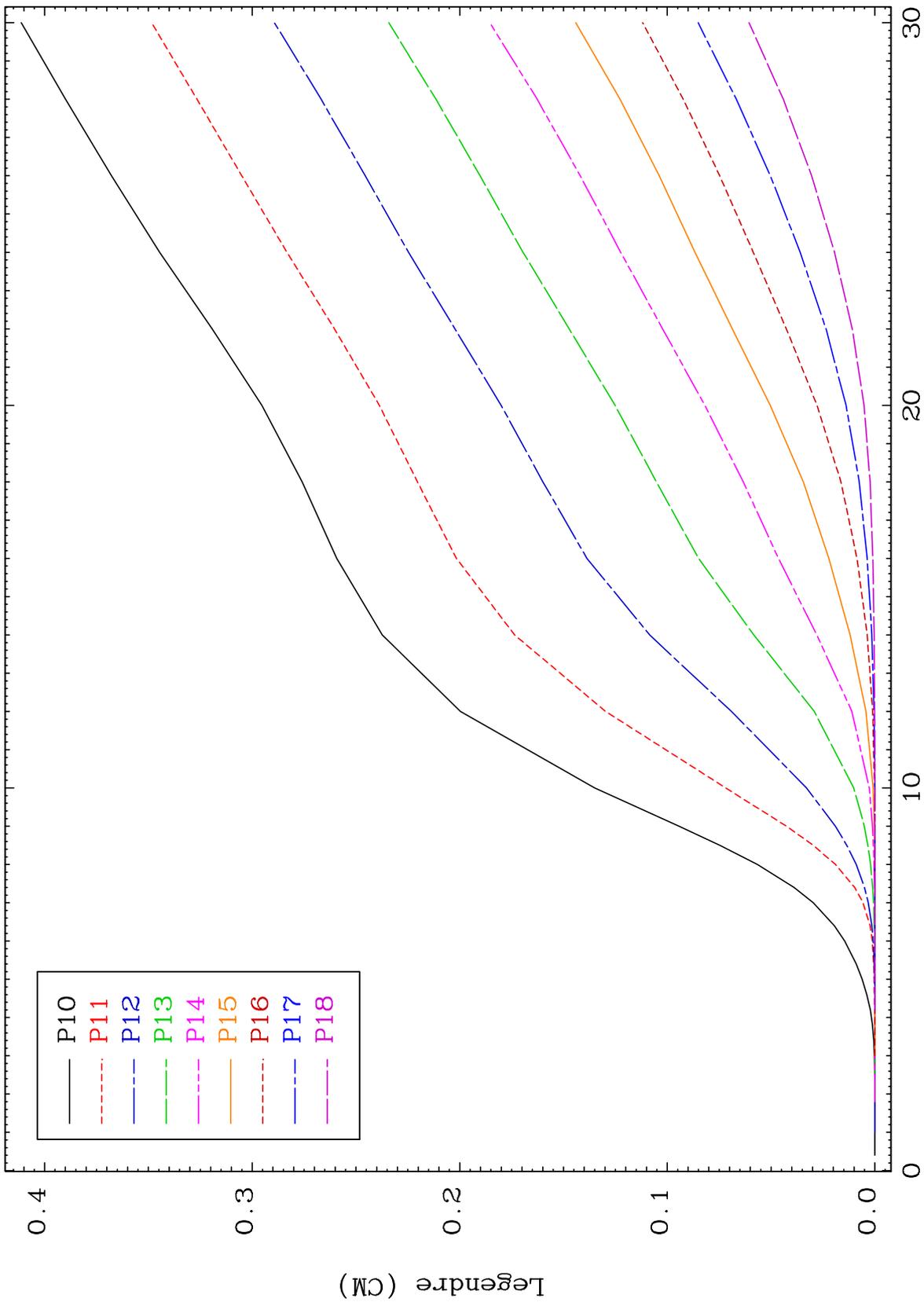
Incident Energy (MeV)

19

MAT 86222

Elastic Legendre Coefficients

86-Rn-210



20

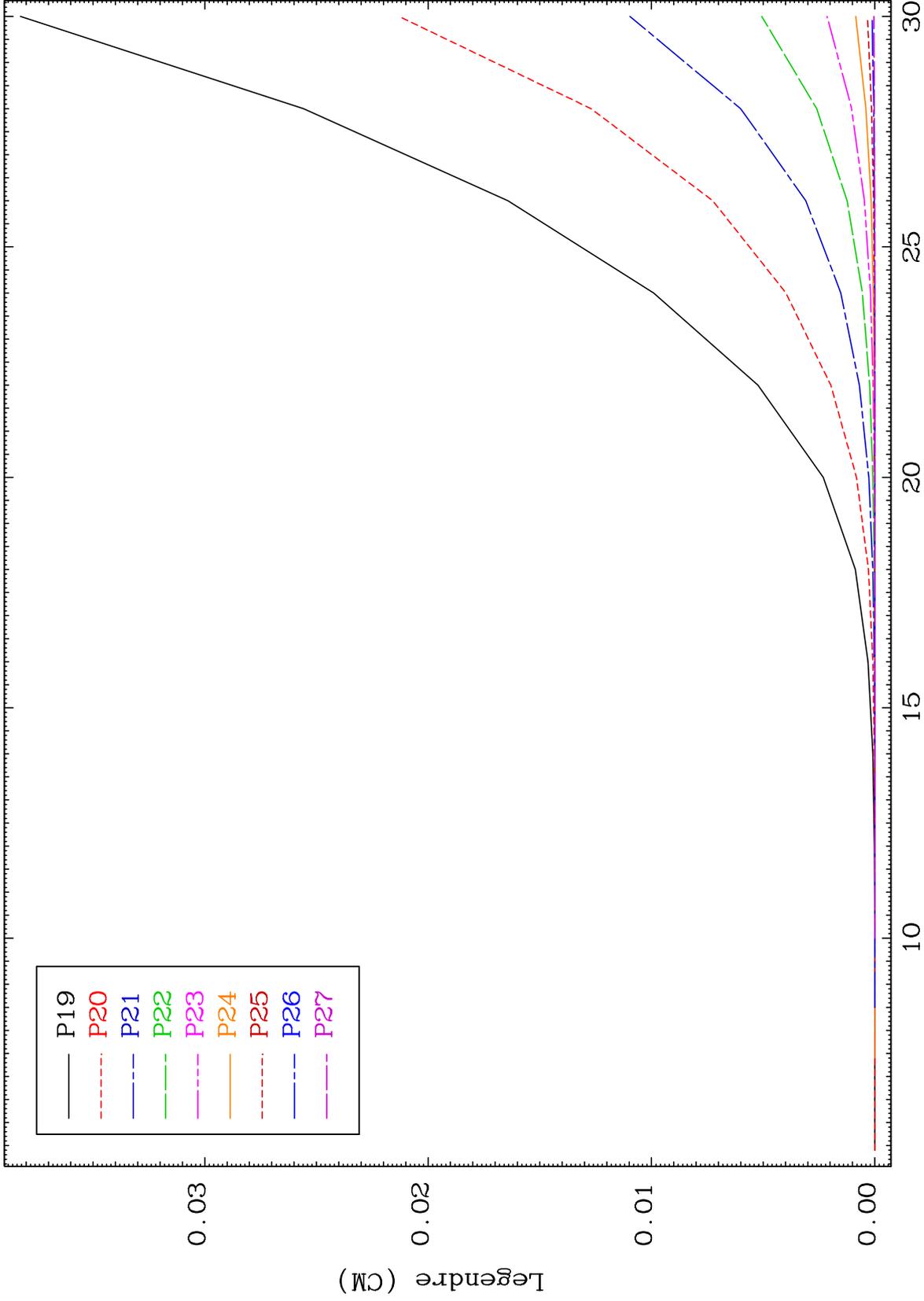
Incident Energy (MeV)

86-Rn-210

MAT 86222

### Elastic Legendre Coefficients

86-Rn-210



21

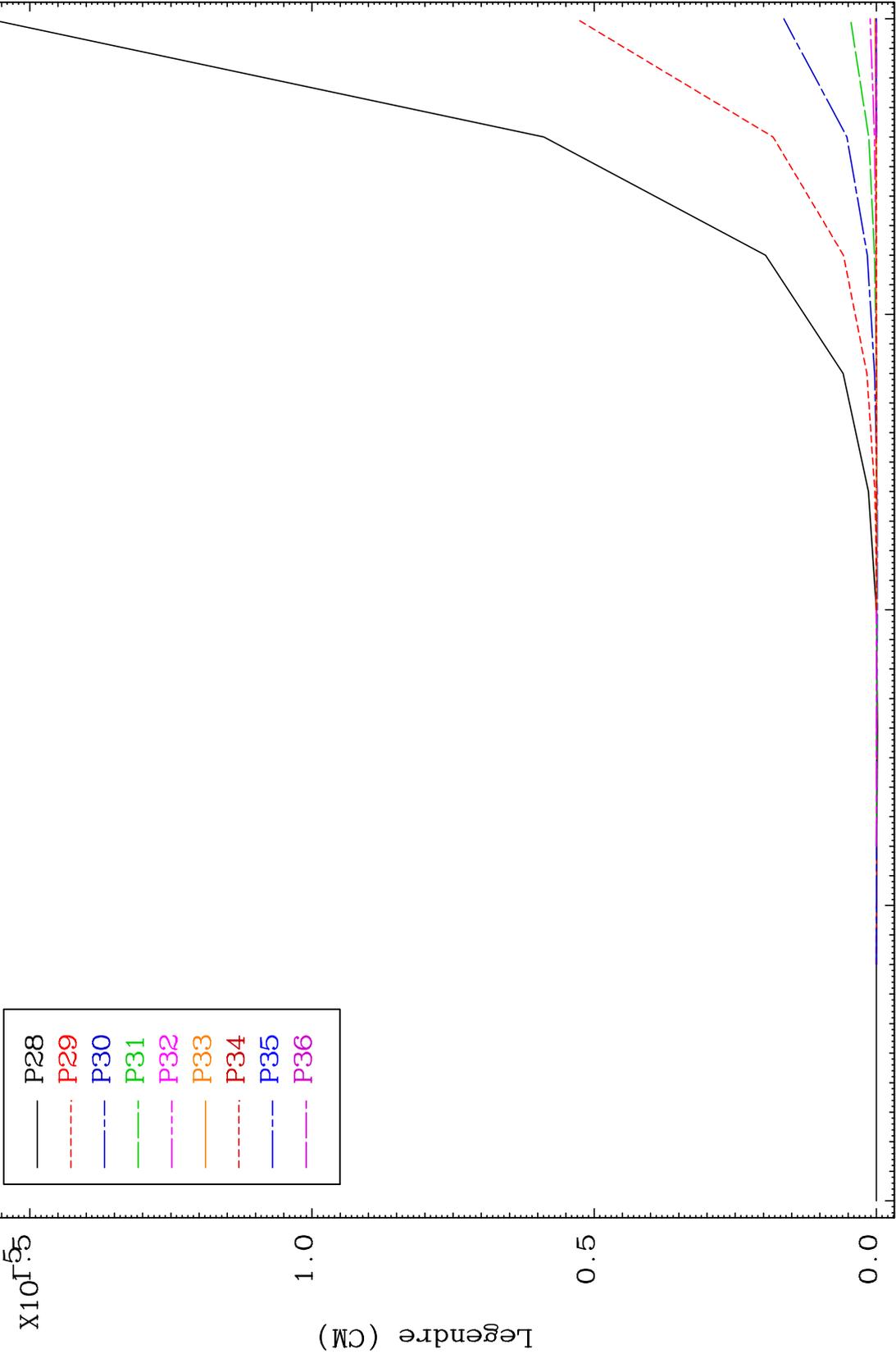
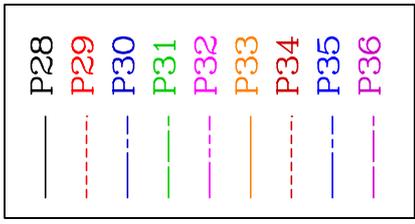
Incident Energy (MeV)

86-Rn-210

MAT 86222

Elastic Legendre Coefficients

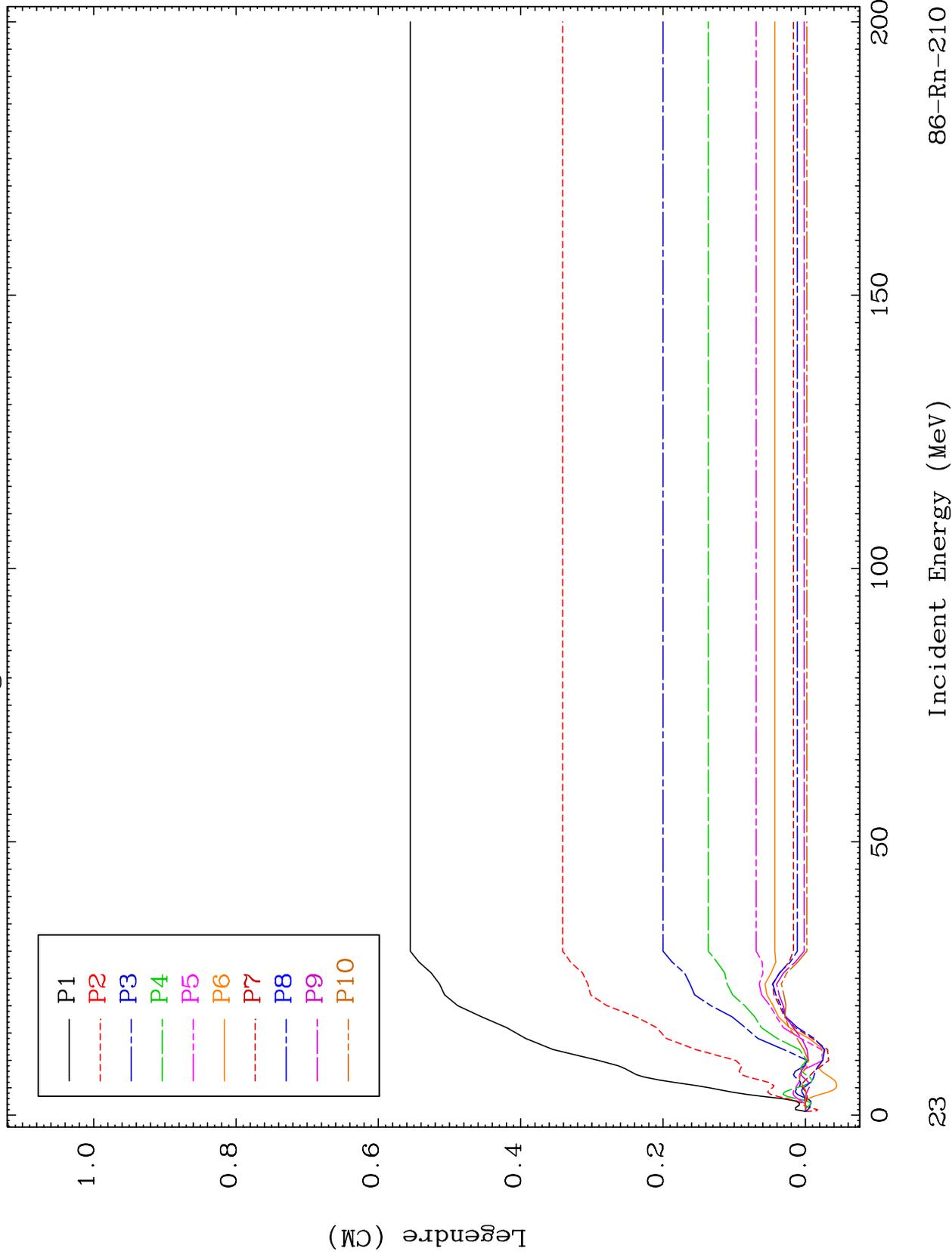
86-Rn-210



86-Rn-210

Incident Energy (MeV)

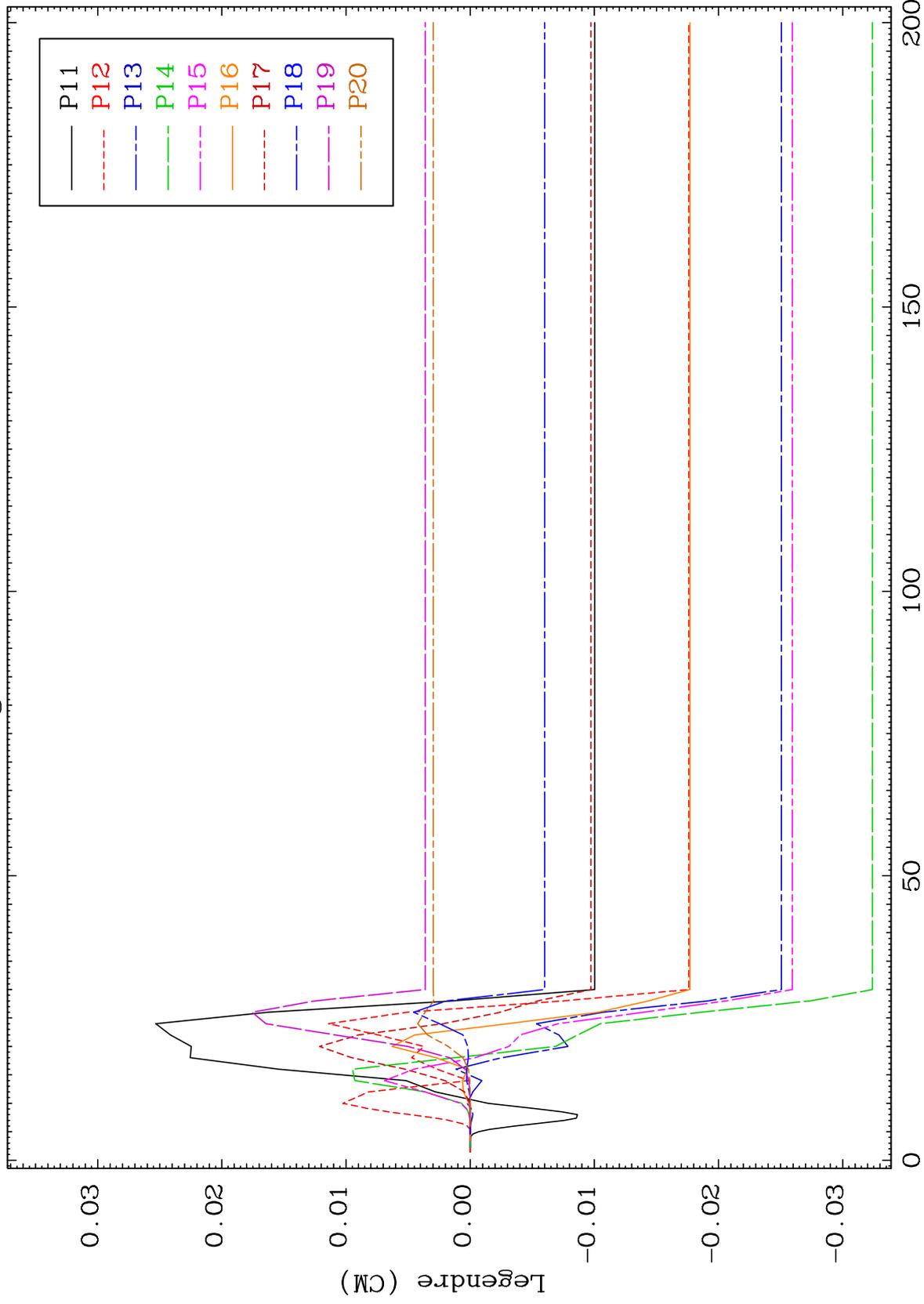
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MAT 8622

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

86-Rn-210



24

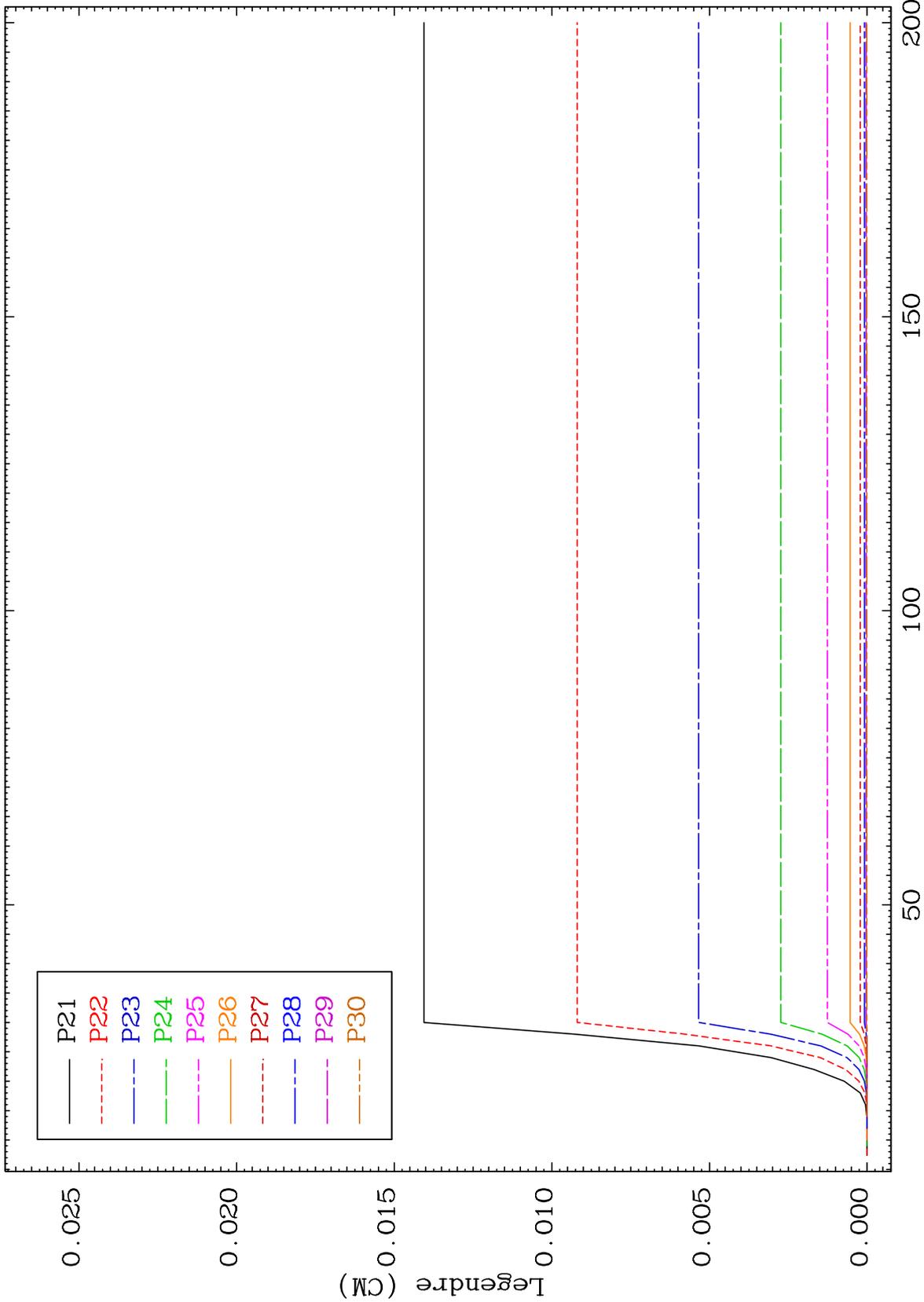
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



25

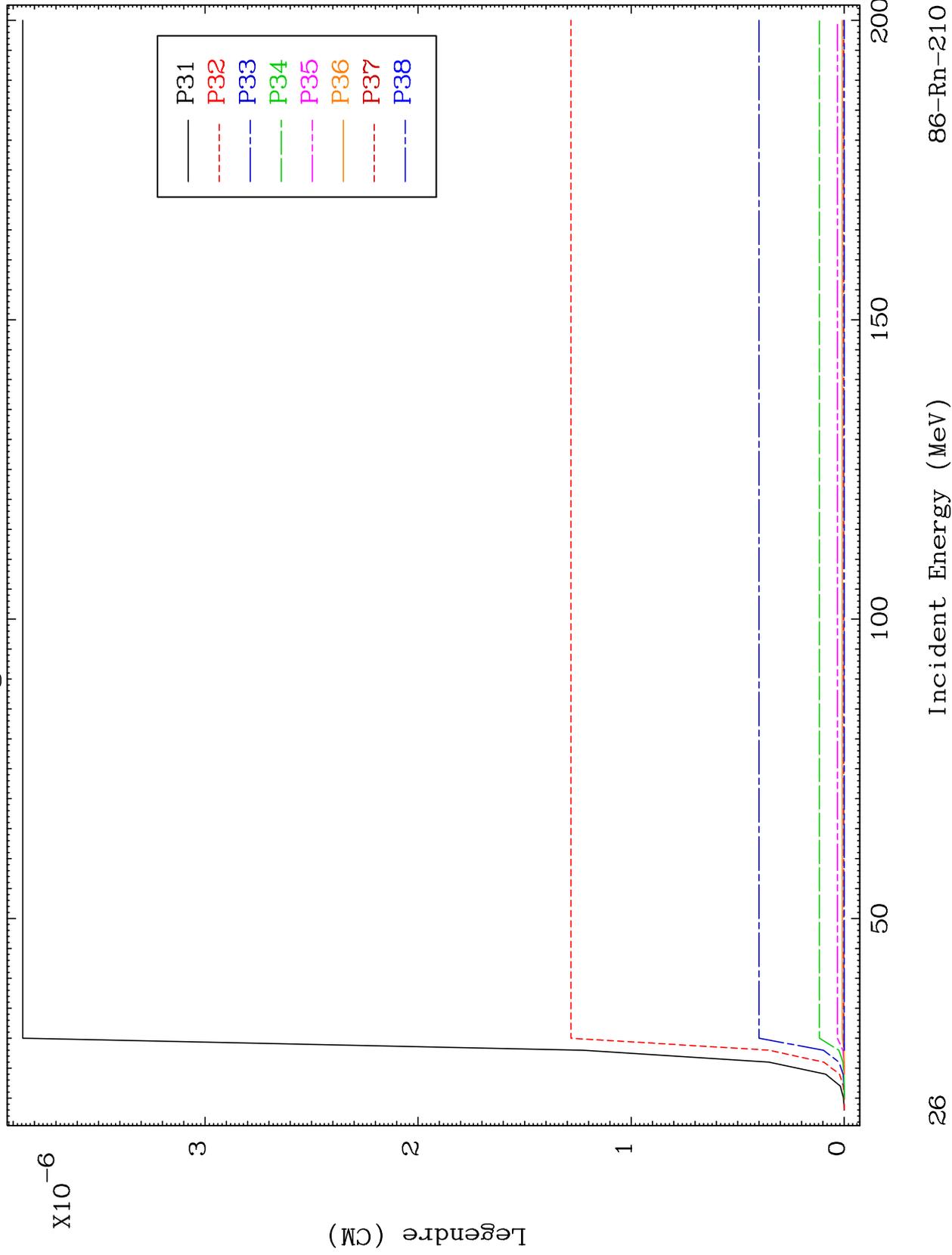
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



26

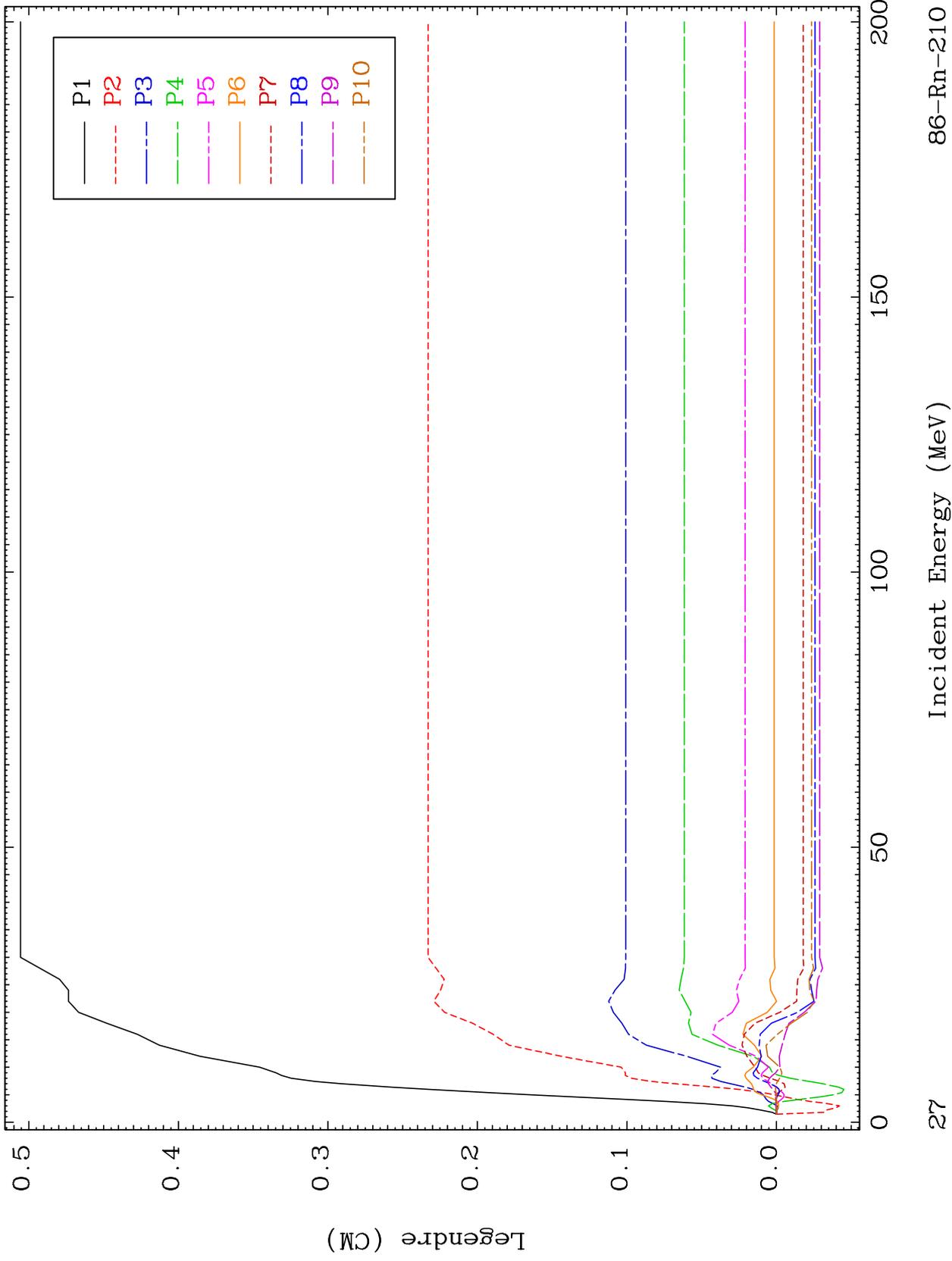
Incident Energy (MeV)

86-Rn-210

MAT 8622

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

86-Rn-210



27

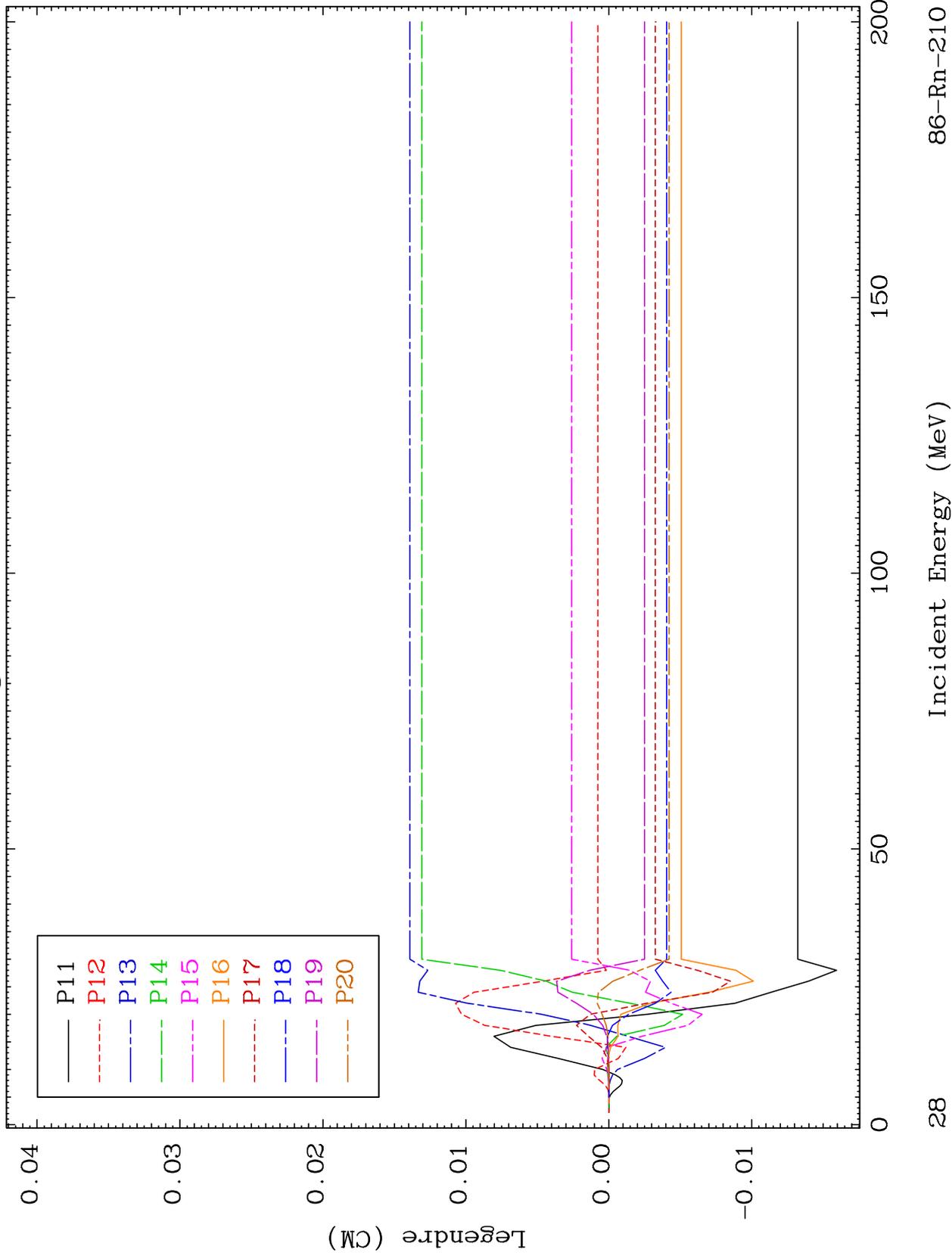
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



28

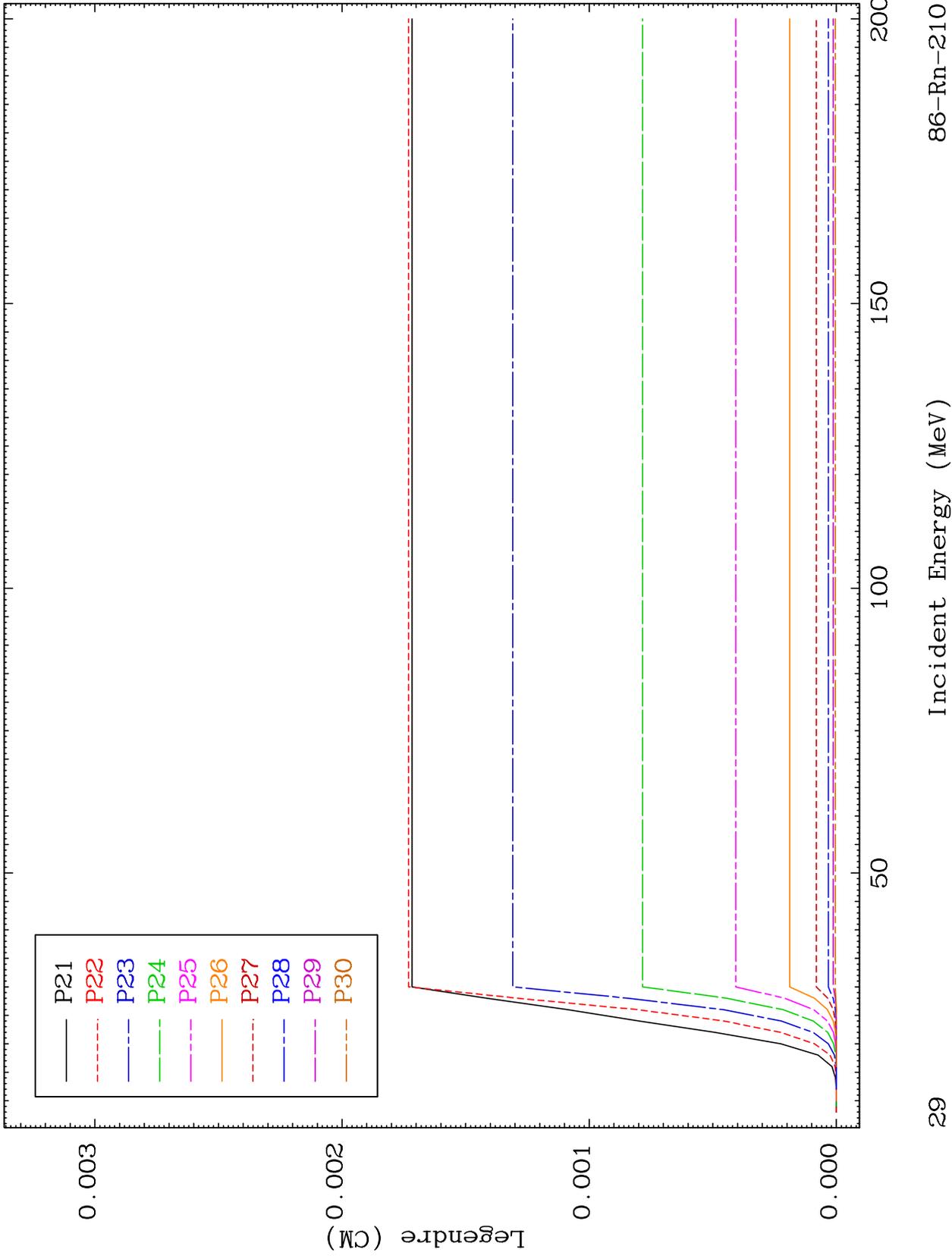
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



29

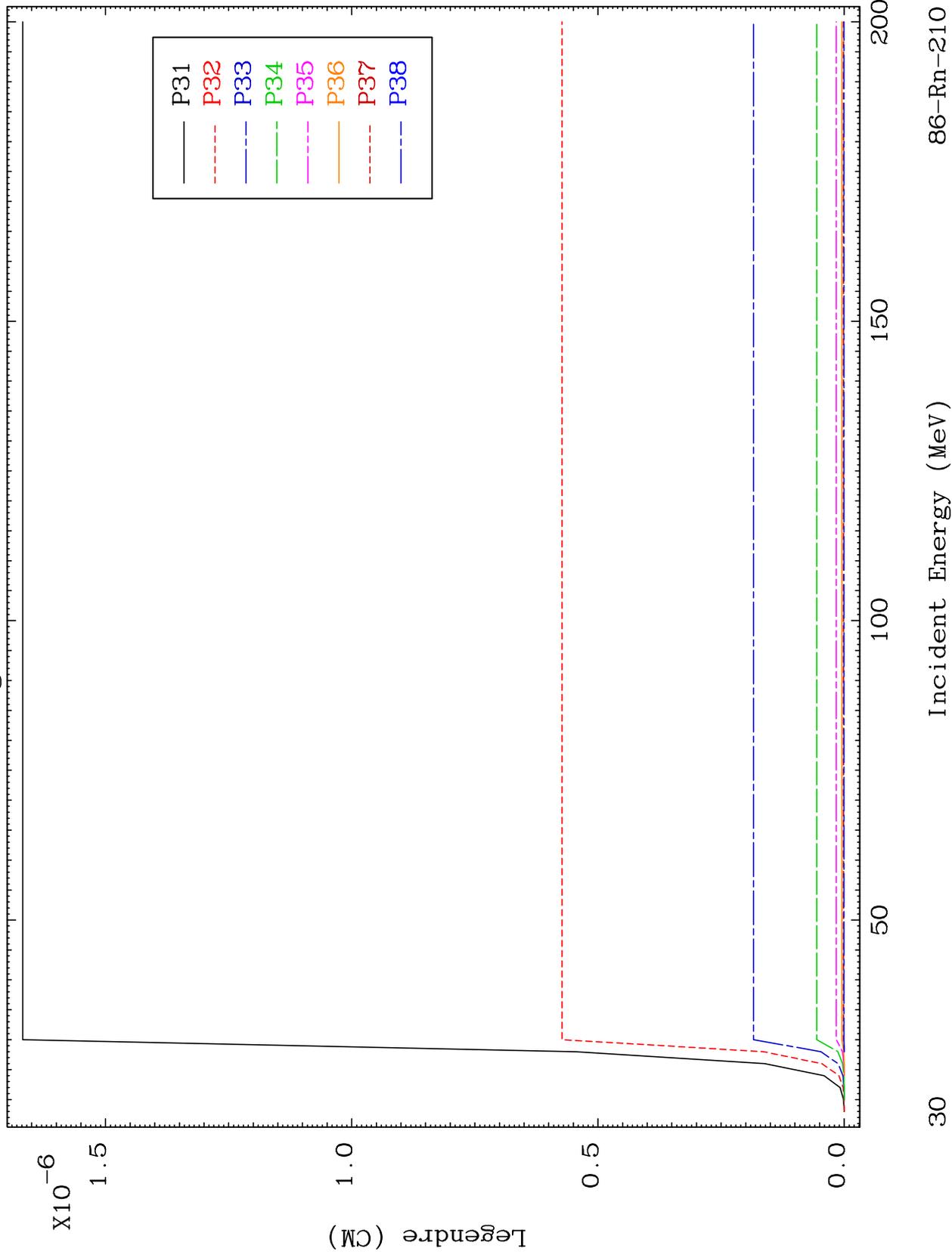
Incident Energy (MeV)

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MAT 8622

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

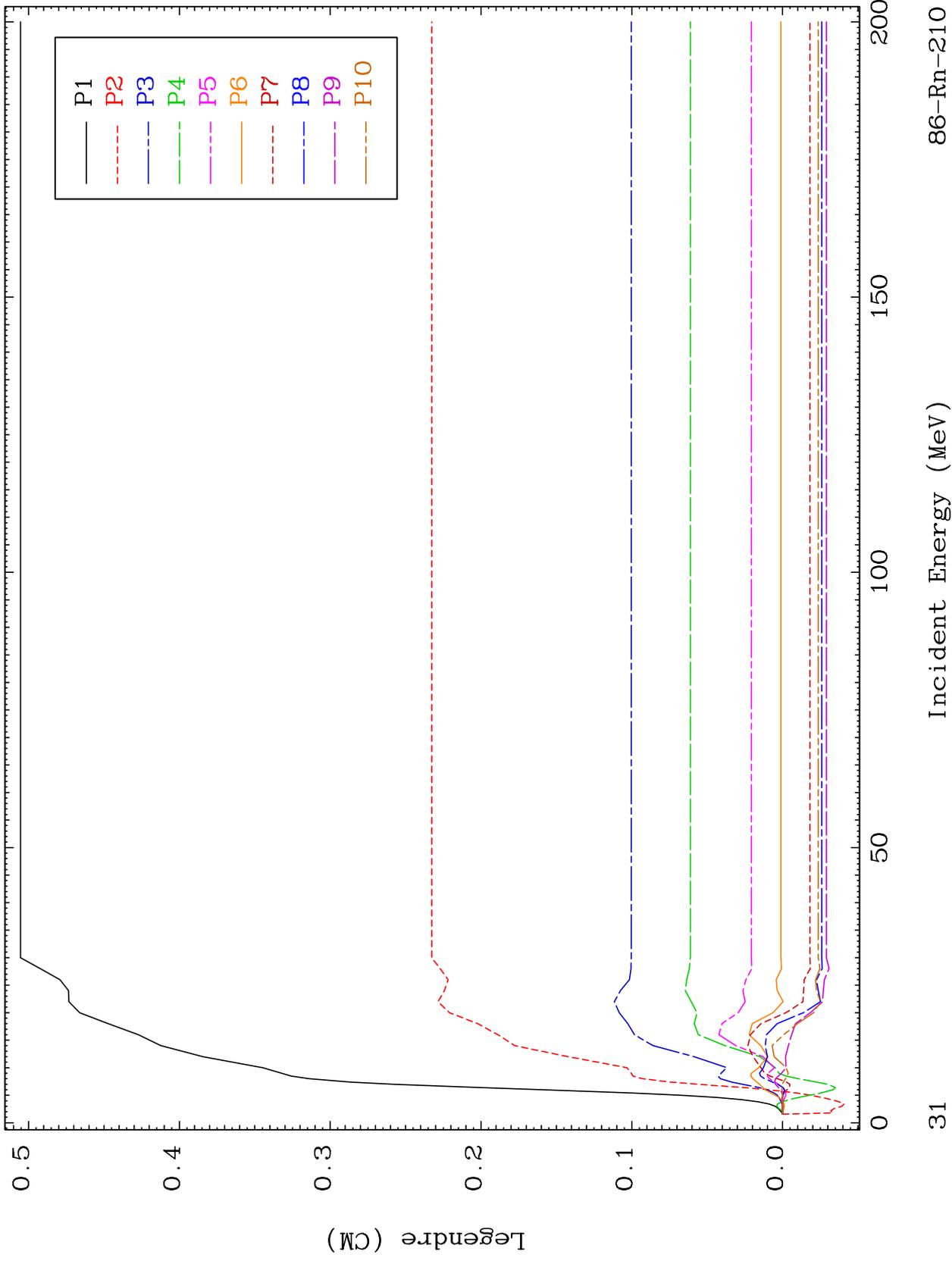
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MAT 86222

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

86-Rn-210



31

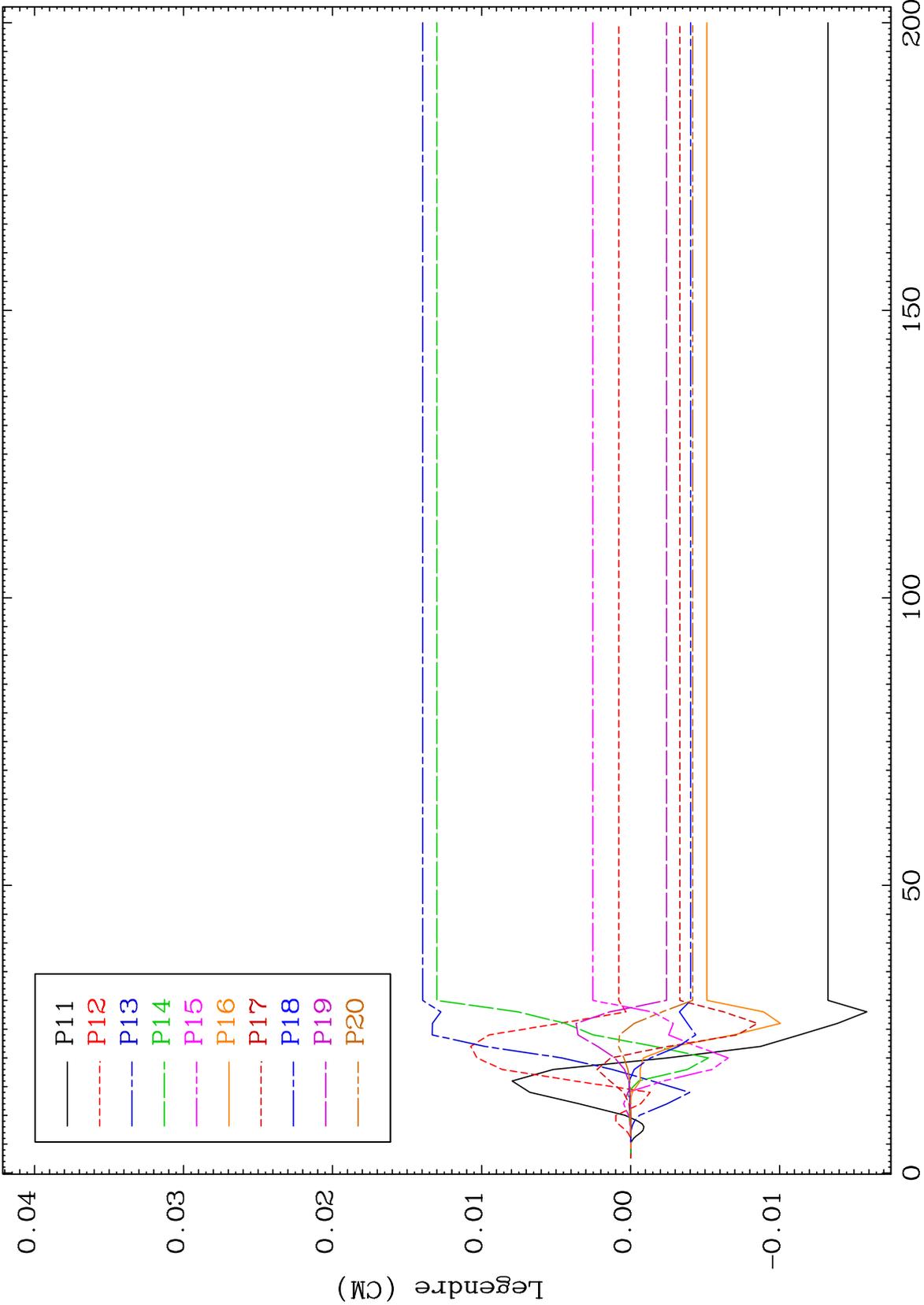
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



32

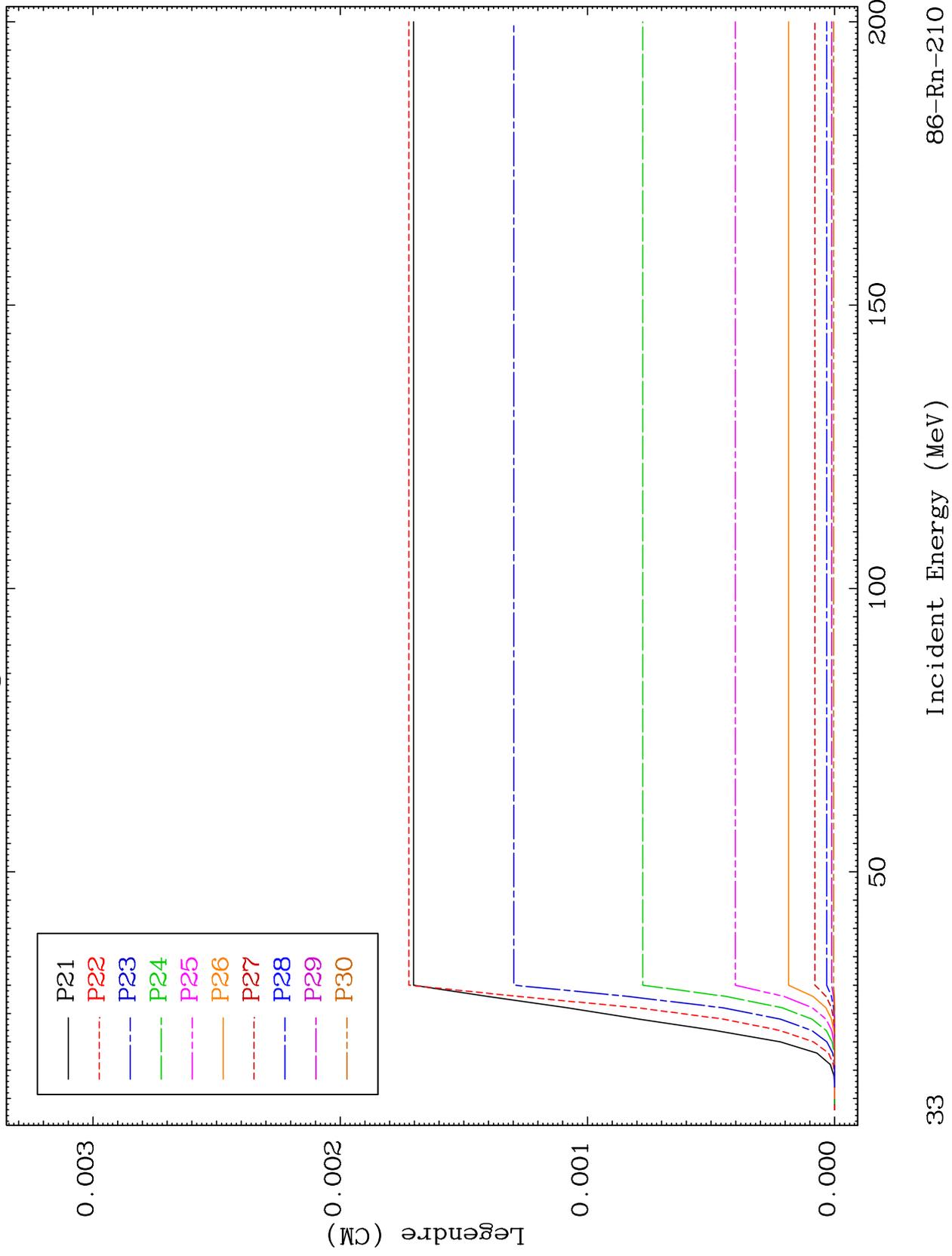
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



33

86-Rn-210

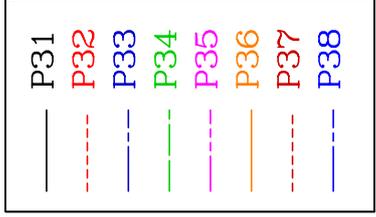
MAT 8622

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

86-Rn-210

$\times 10^{-6}$   
1.5

Legendre (CM)



1.0

0.5

0.0

50

100

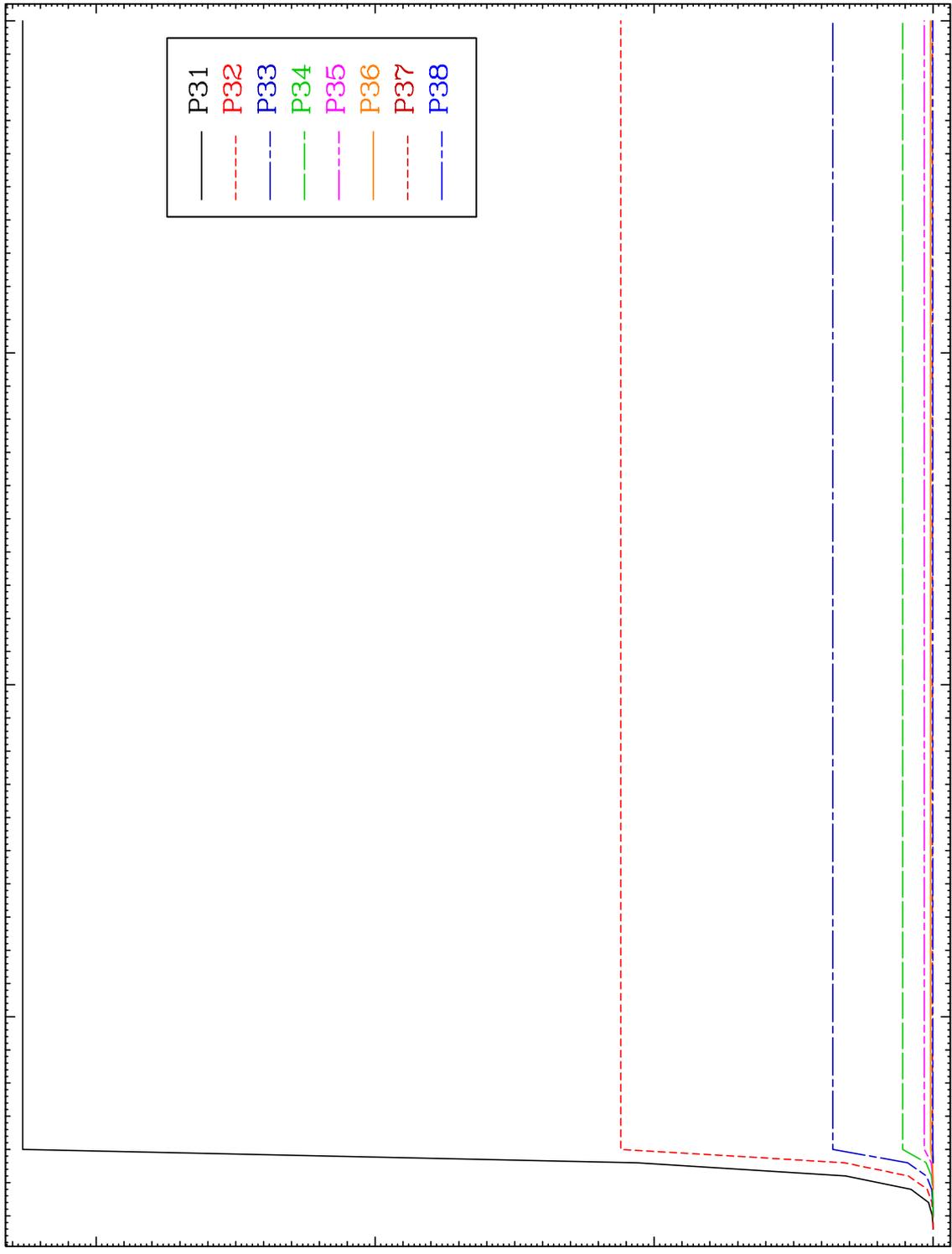
150

200

34

Incident Energy (MeV)

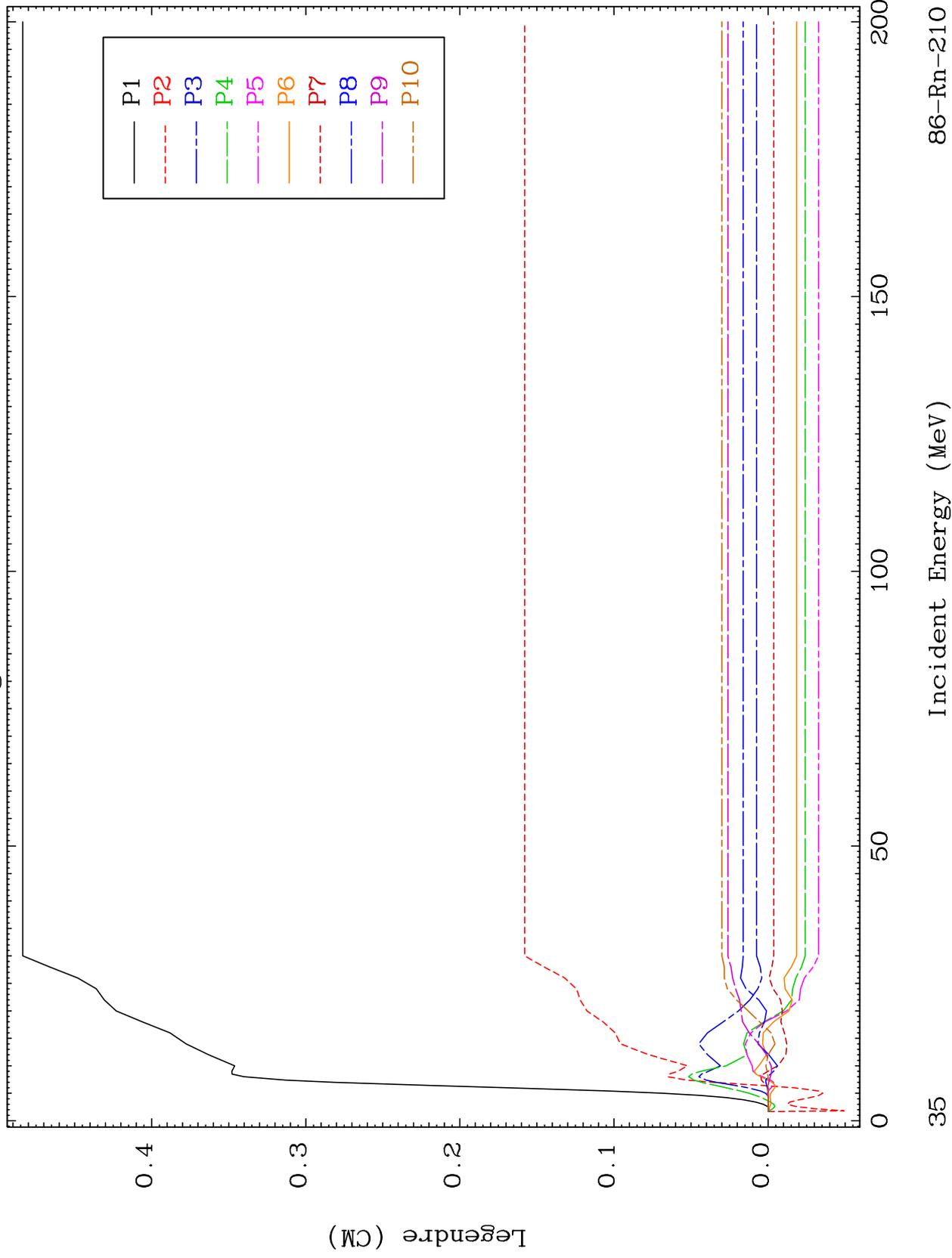
86-Rn-210



MAT 86222

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

86-Rn-210



86-Rn-210

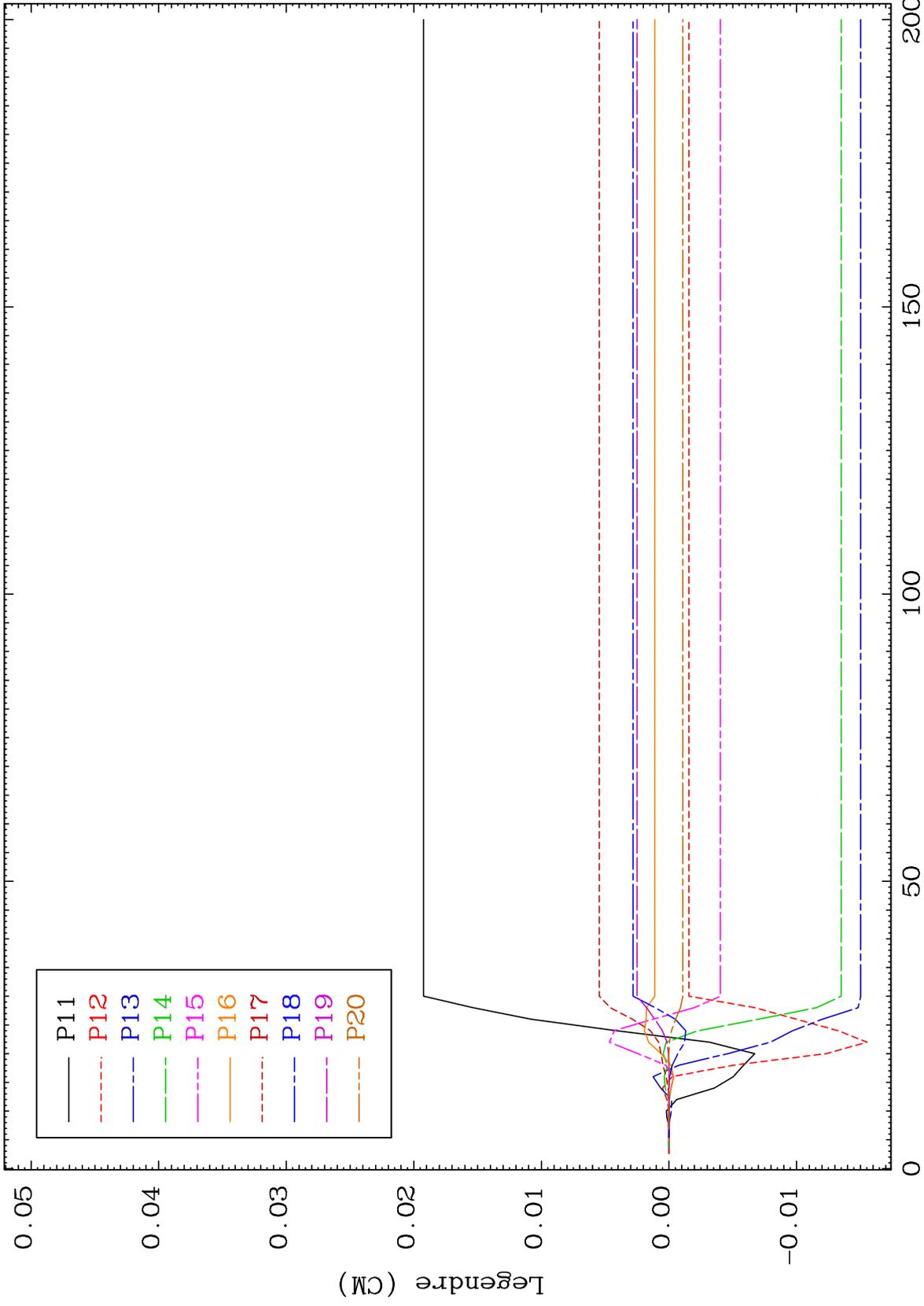
Incident Energy (MeV)

35

MAT 86222

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

86-Rn-210



36

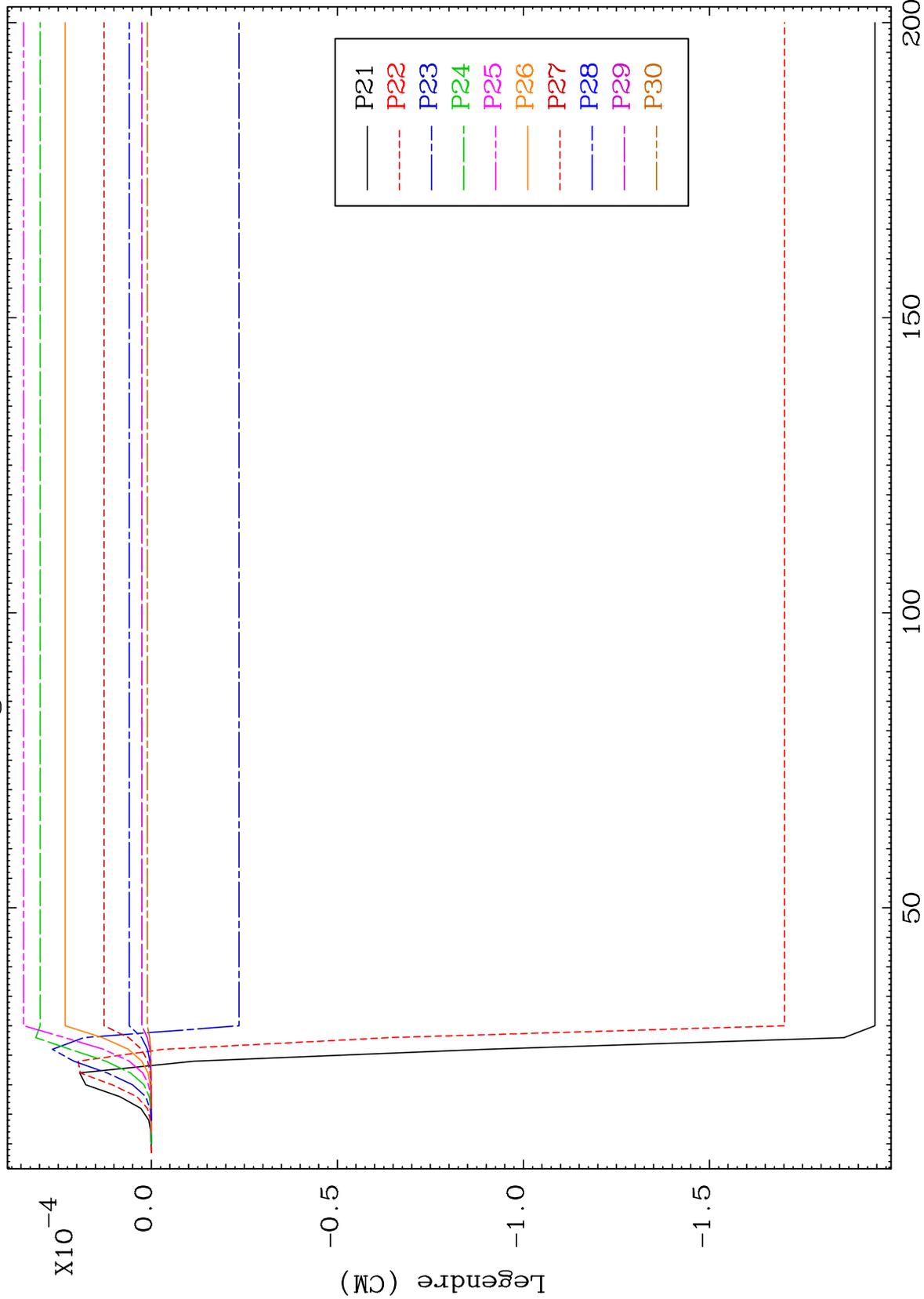
Incident Energy (MeV)

86-Rn-210

MAT 86222

86-Rn-210

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



37

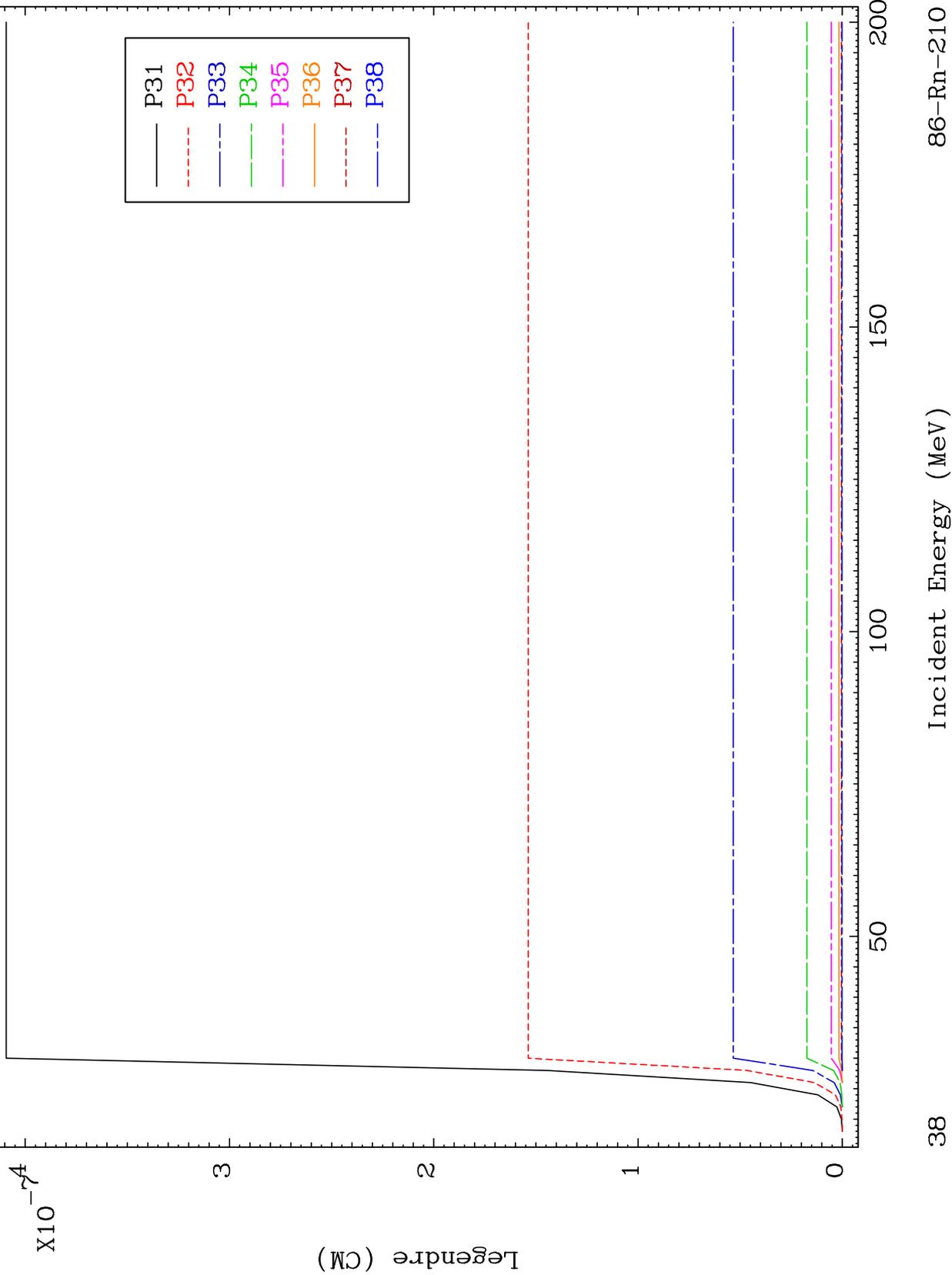
Incident Energy (MeV)

86-Rn-210

MAT 8622

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

86-Rn-210



38

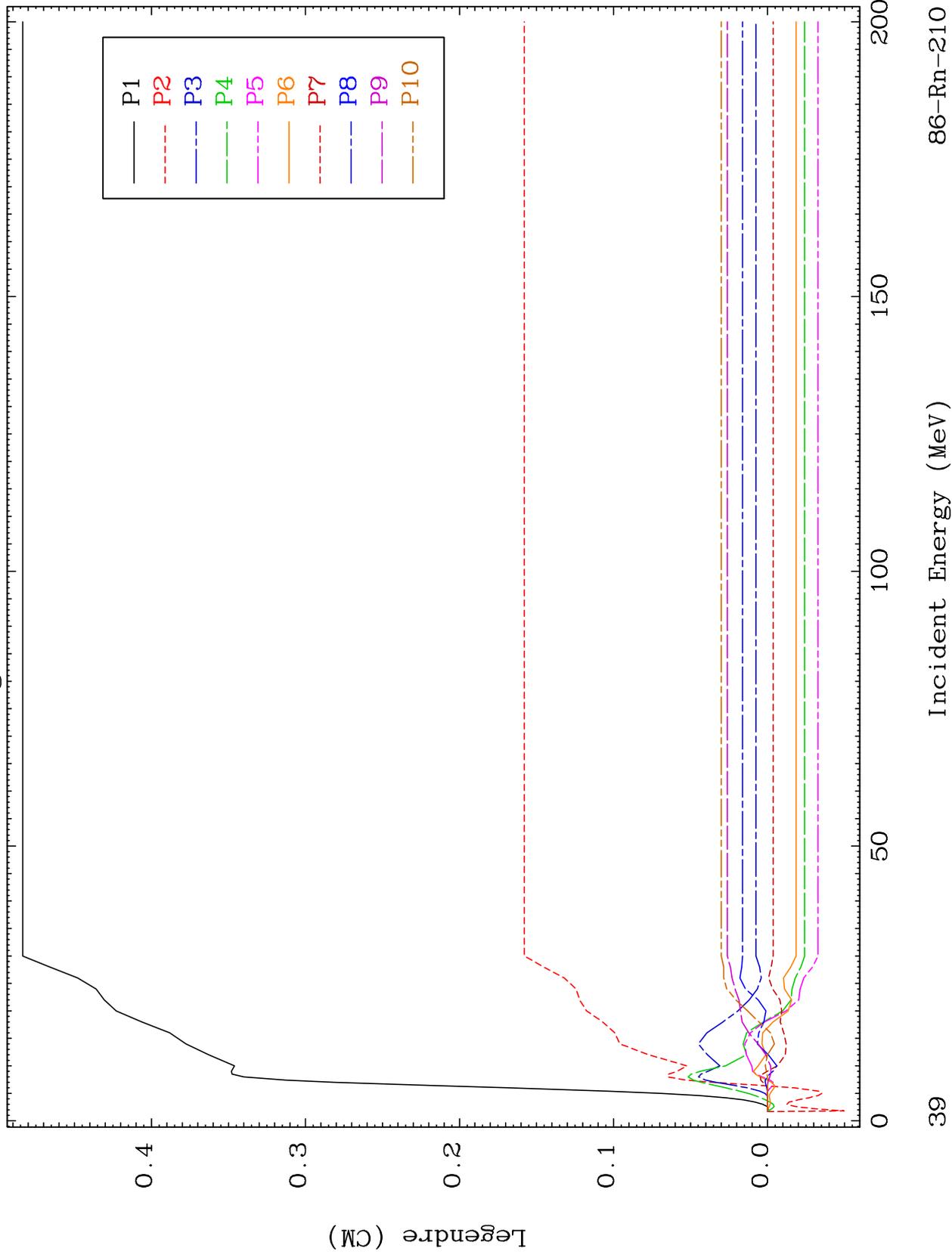
Incident Energy (MeV)

86-Rn-210

MAT 8622

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

86-Rn-210



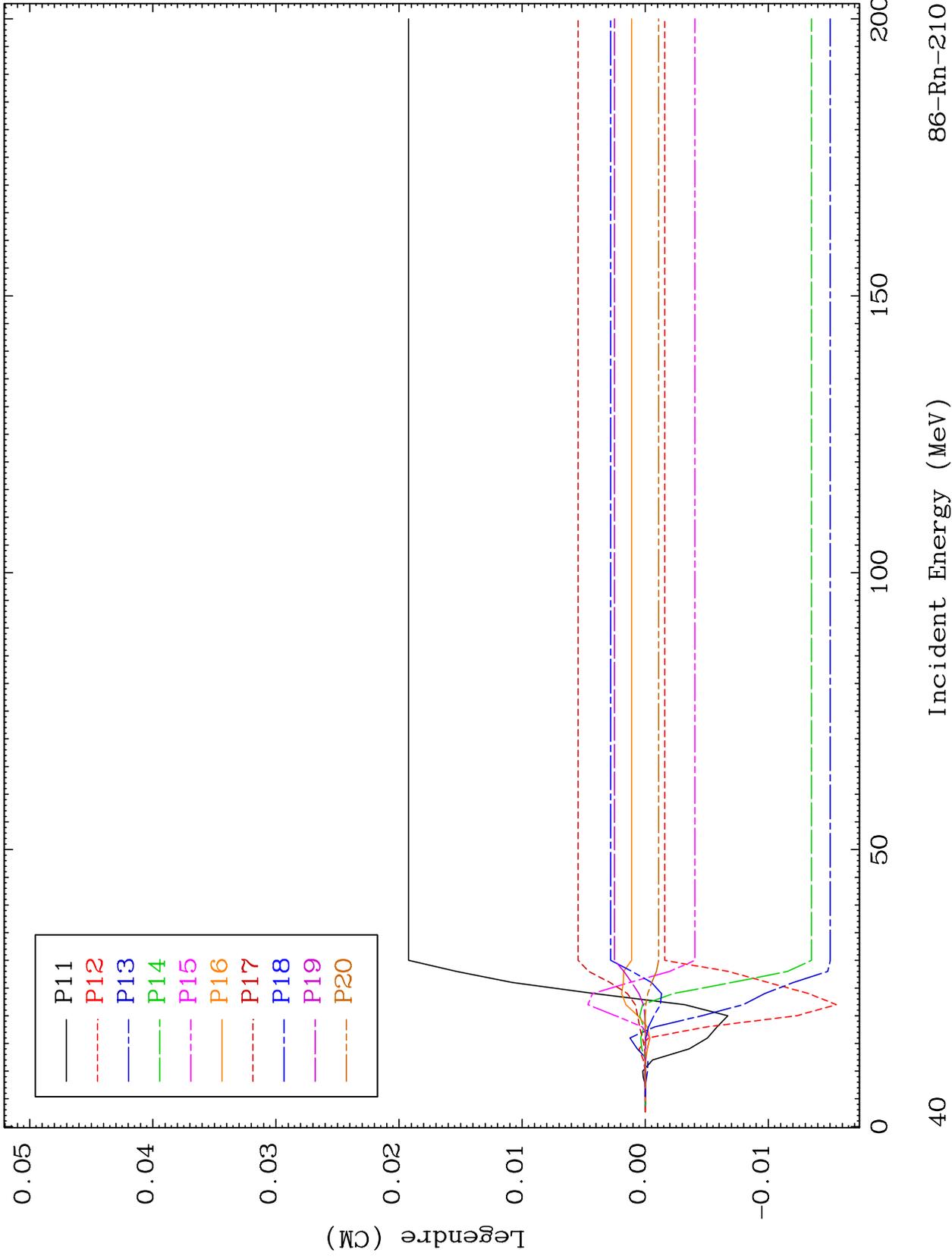
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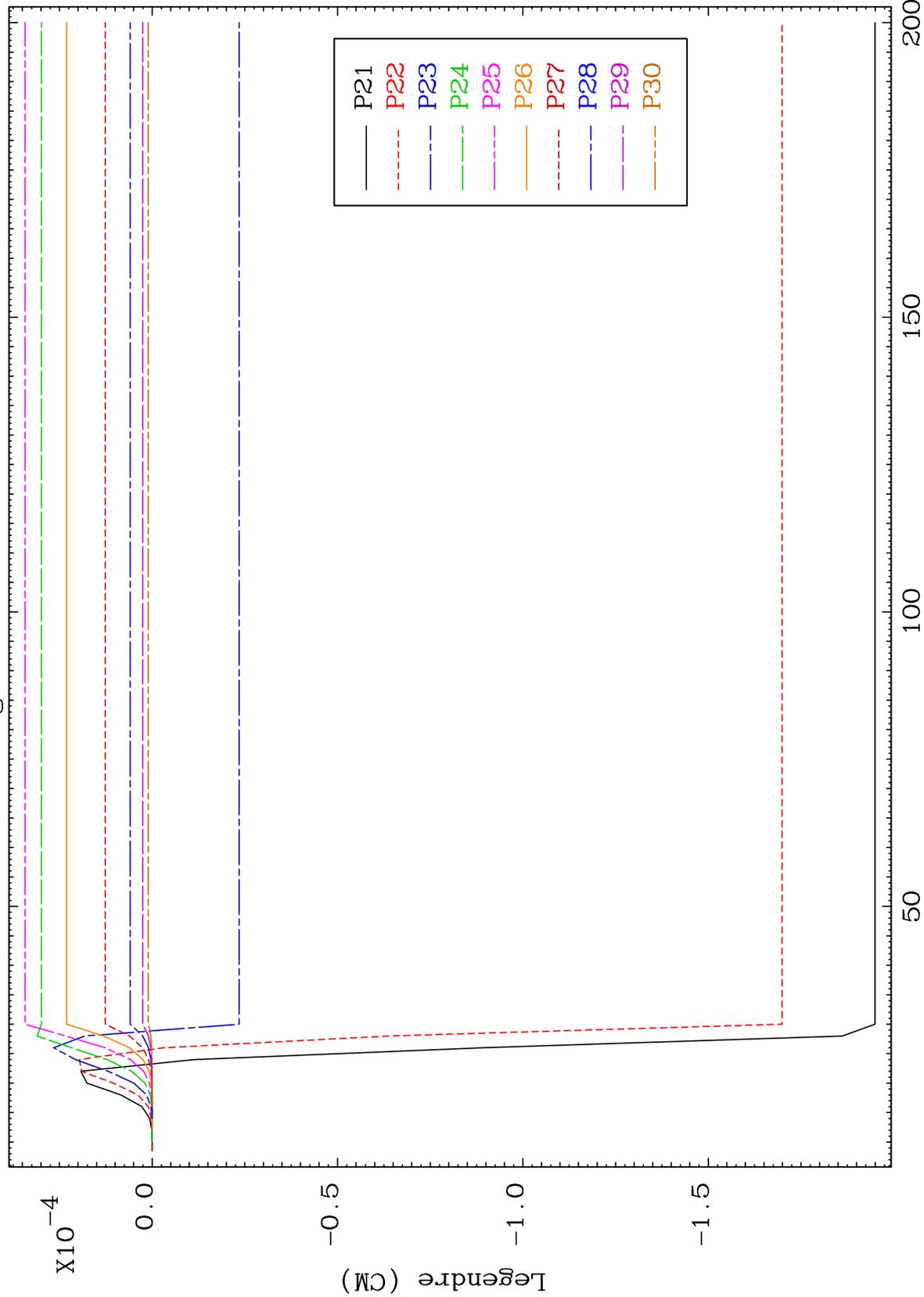
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MAT 86222

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

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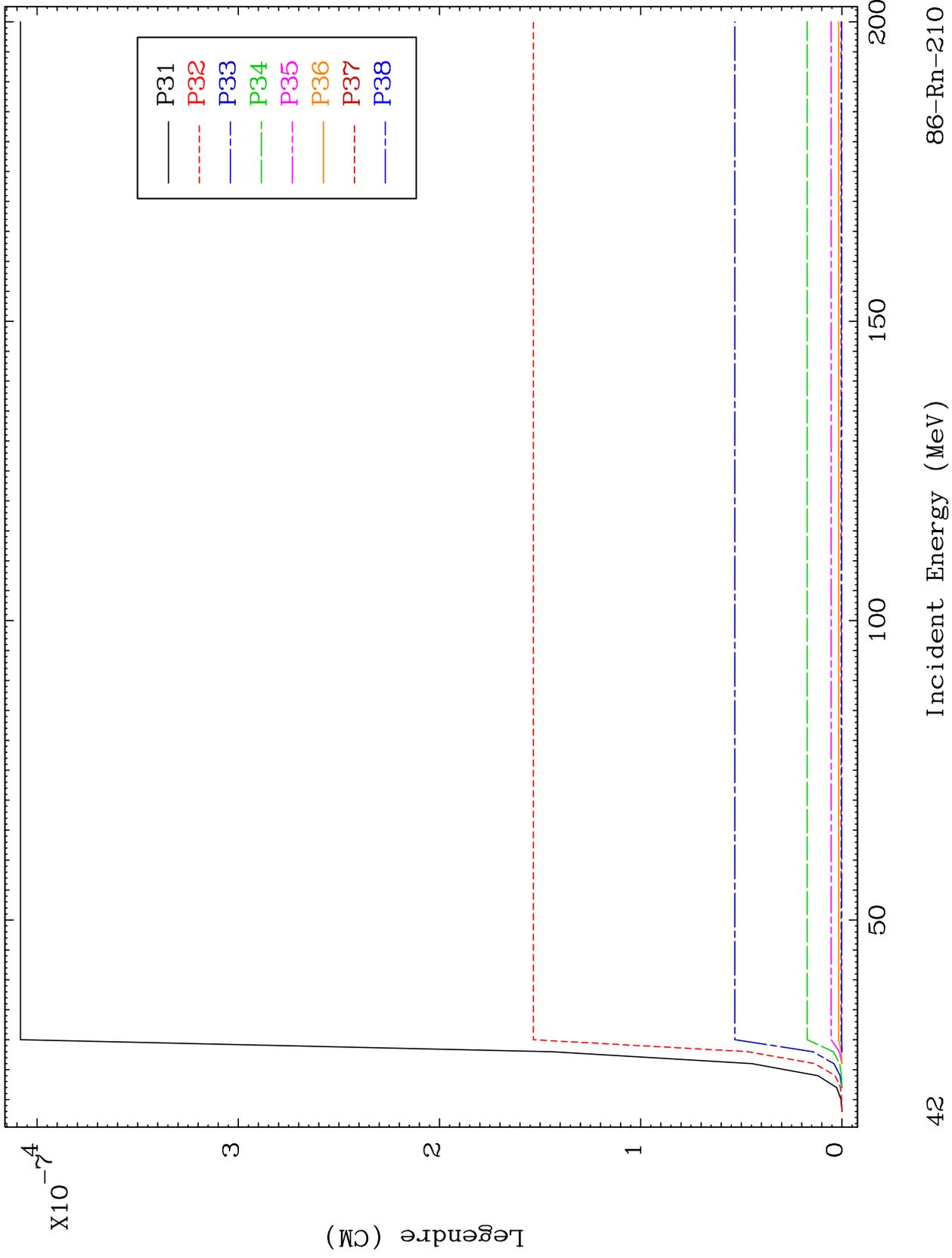




MAT 8622

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

86-Rn-210



42

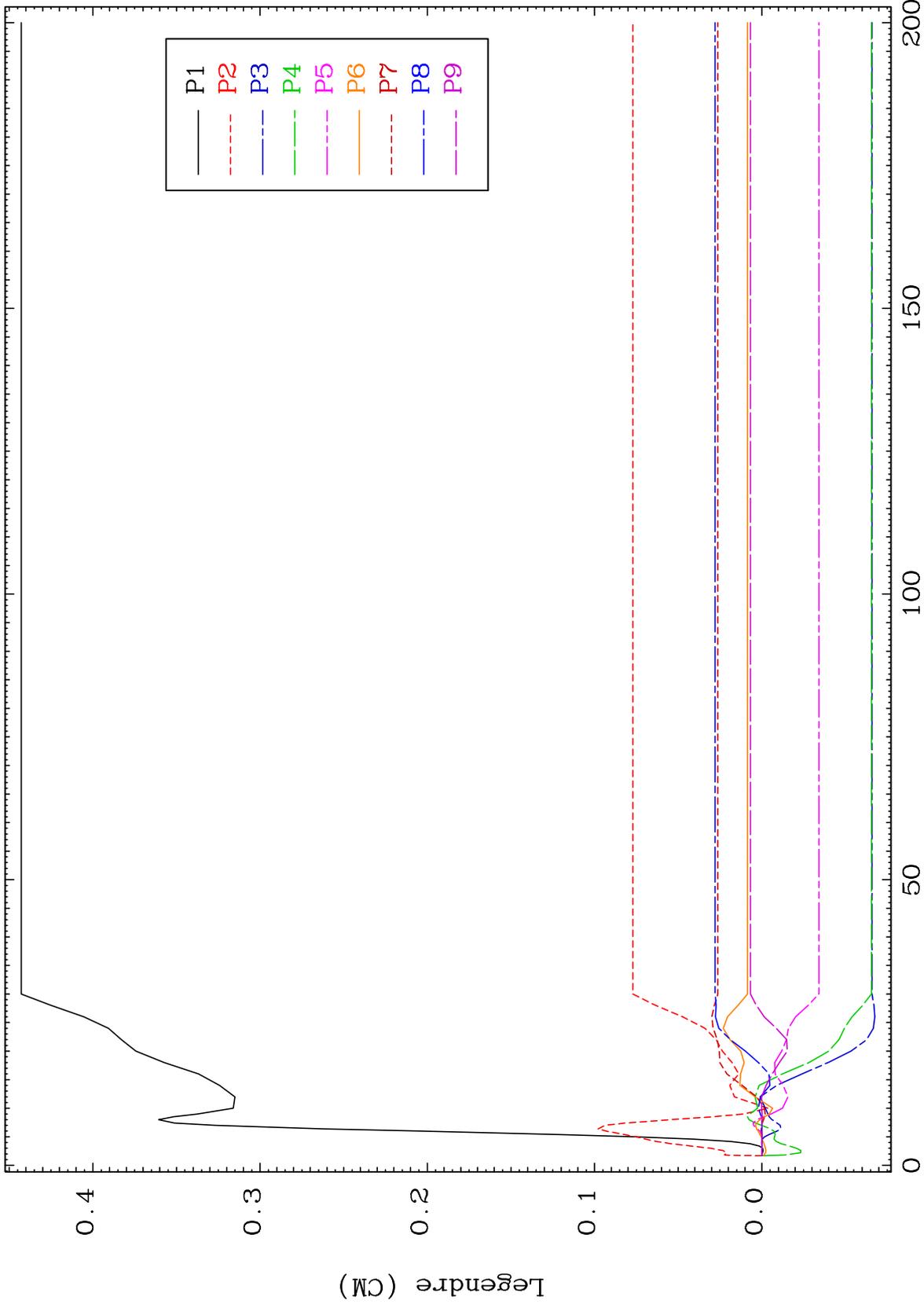
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



43

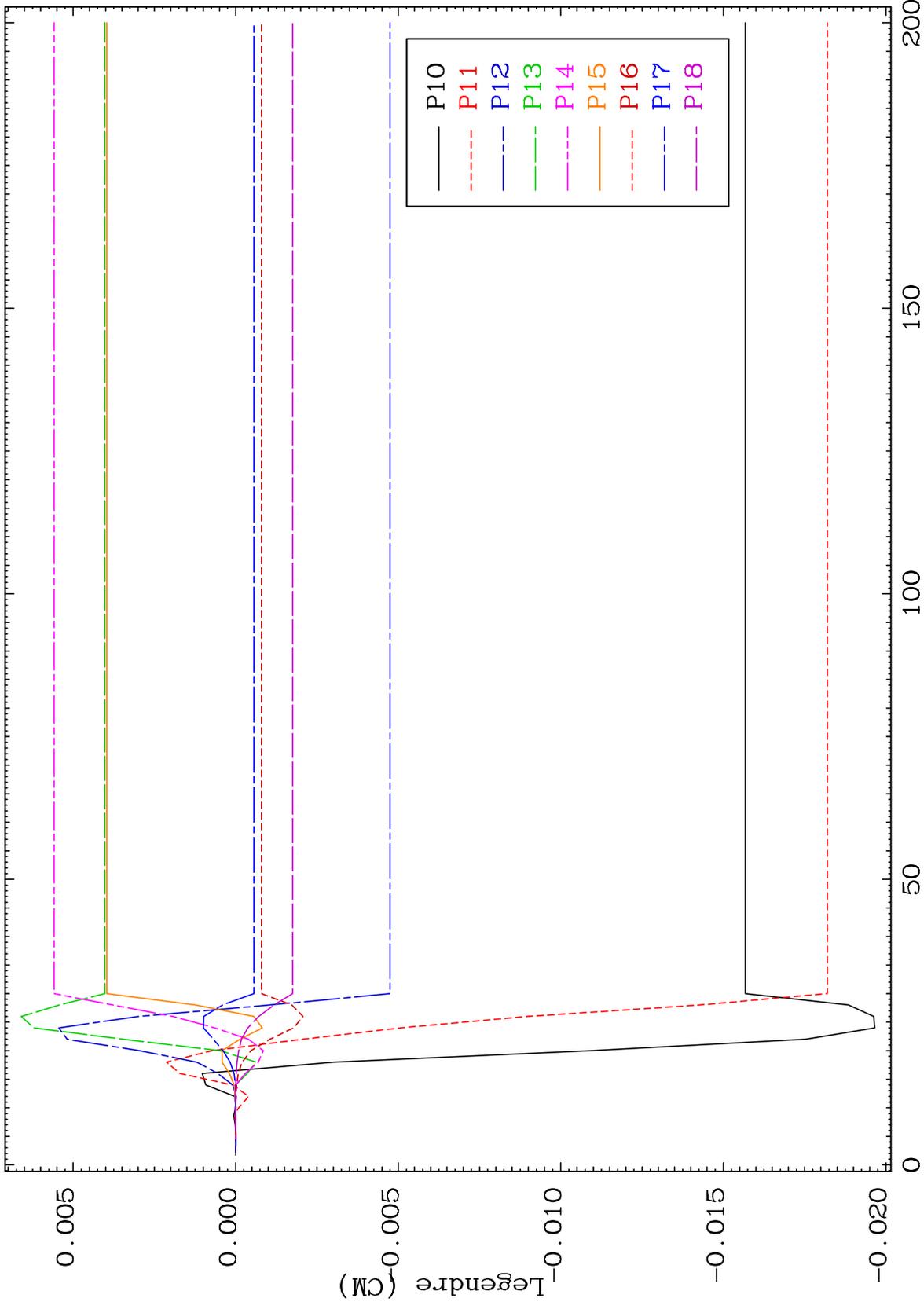
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



44

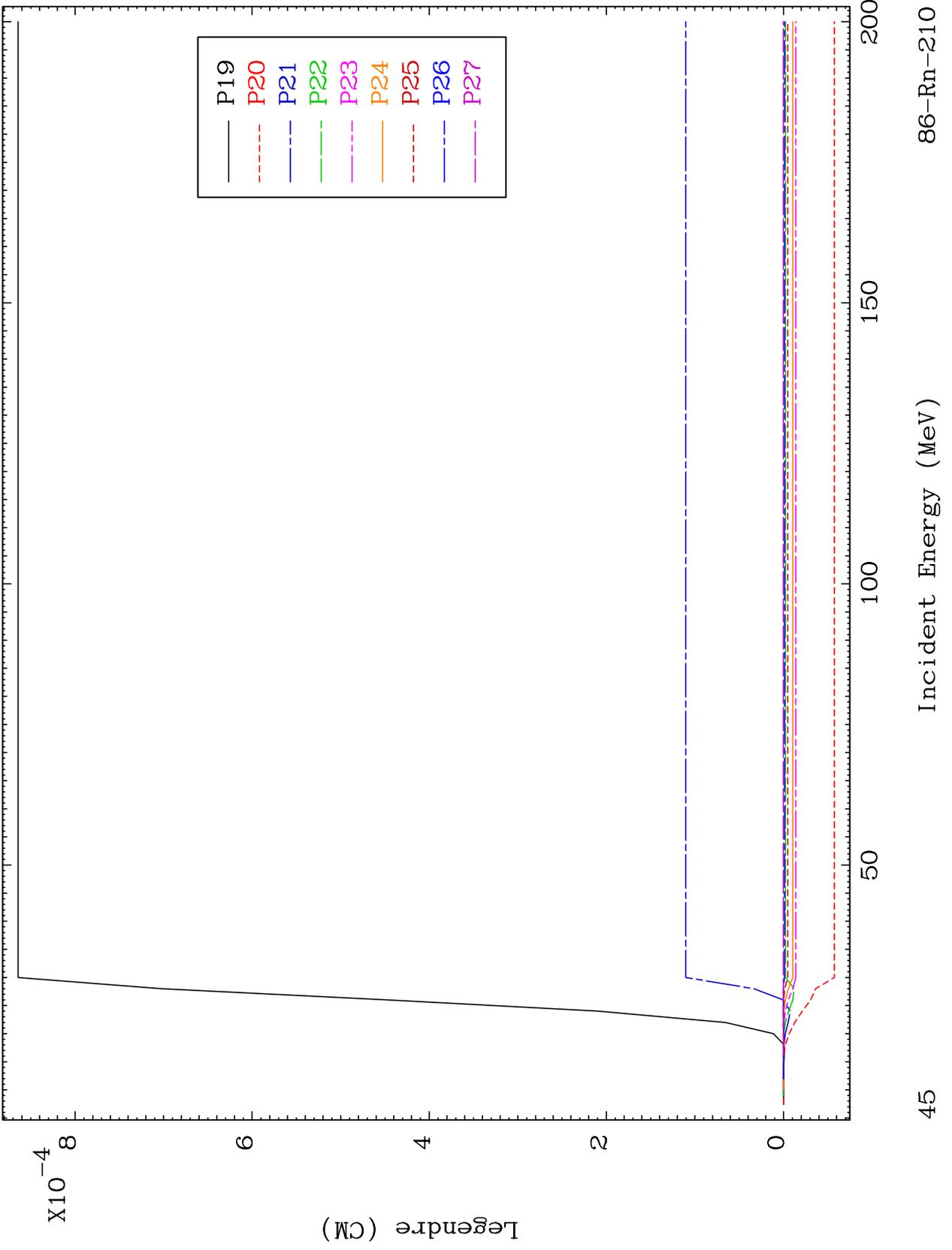
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



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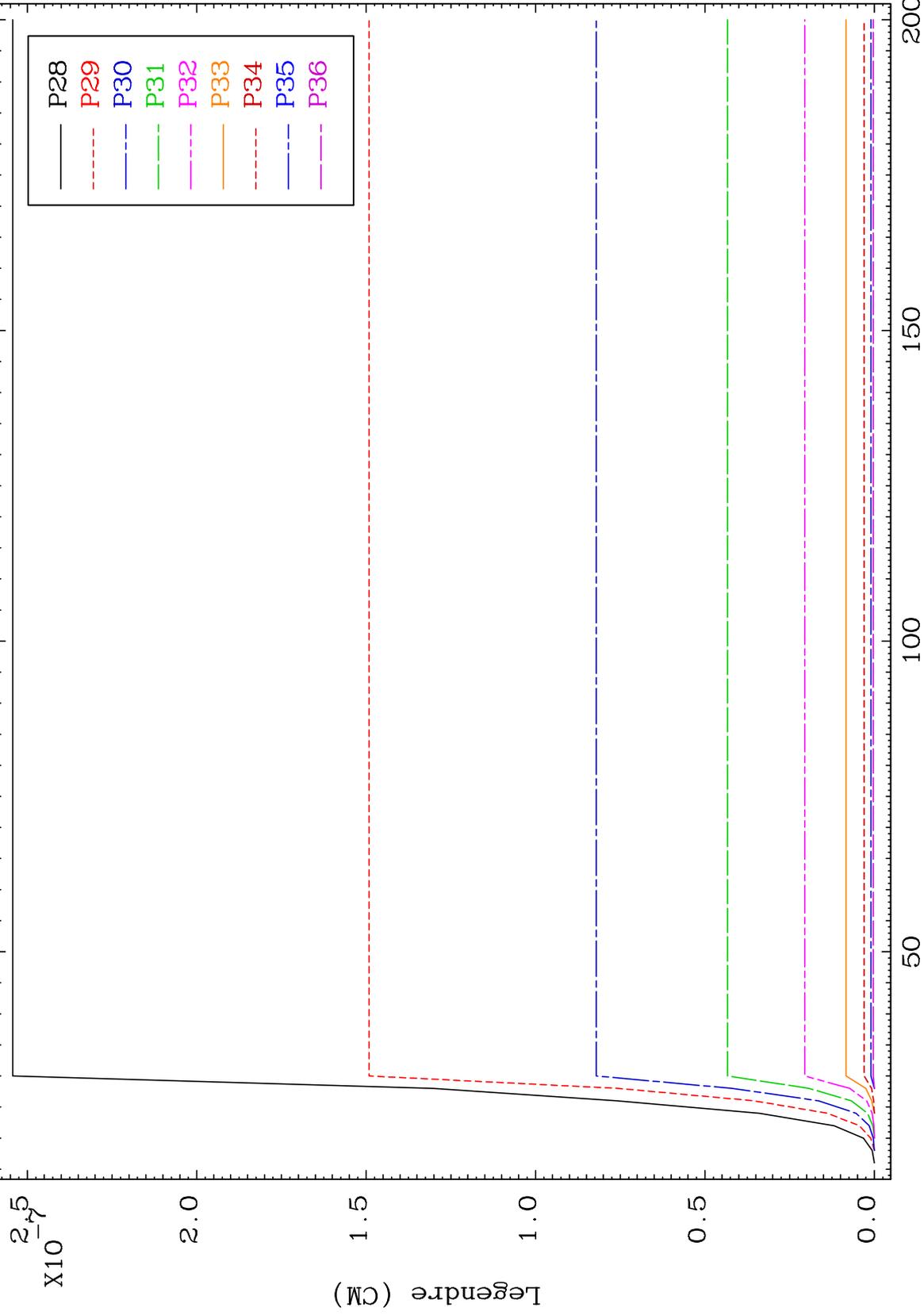
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



46

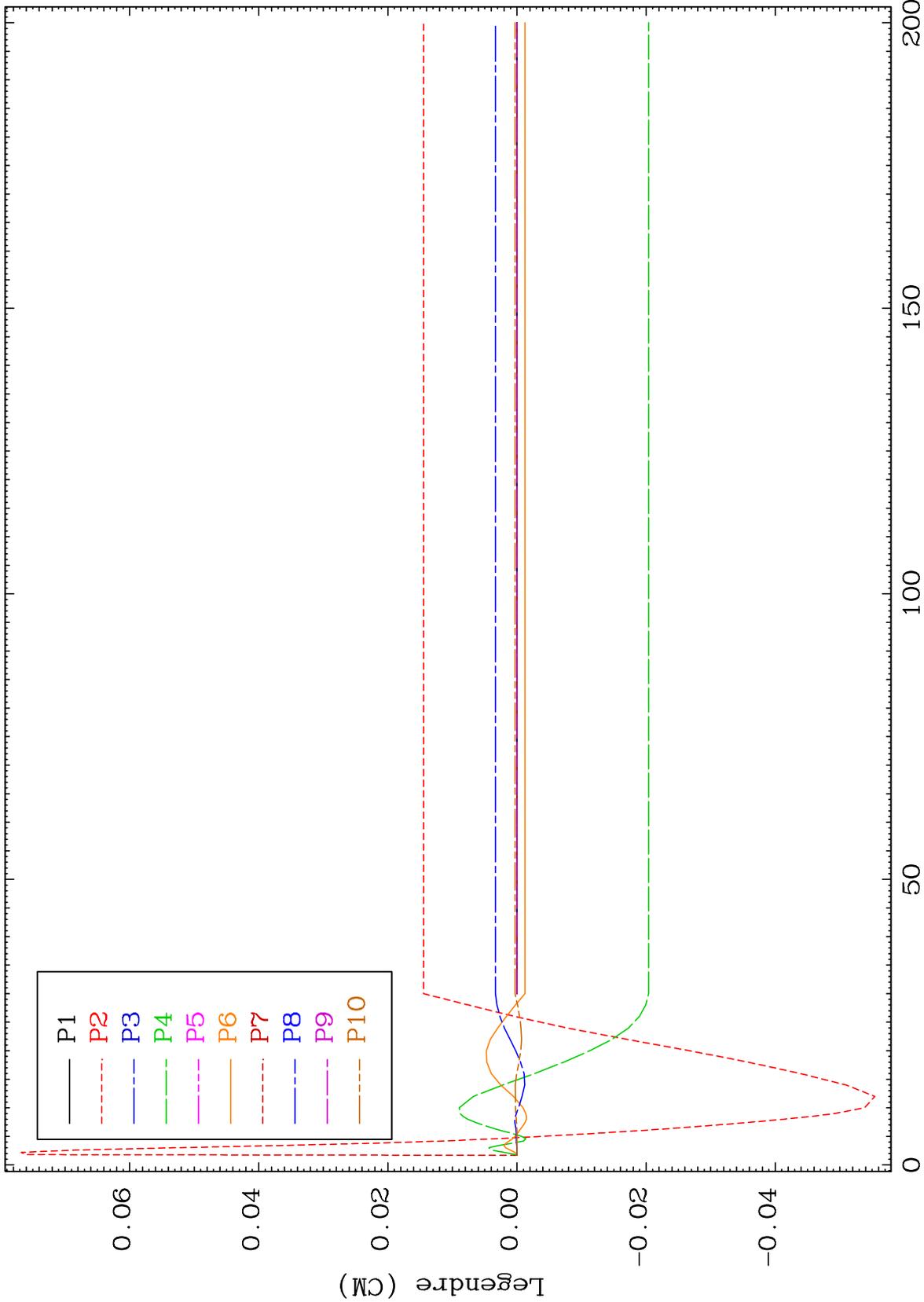
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



86-Rn-210

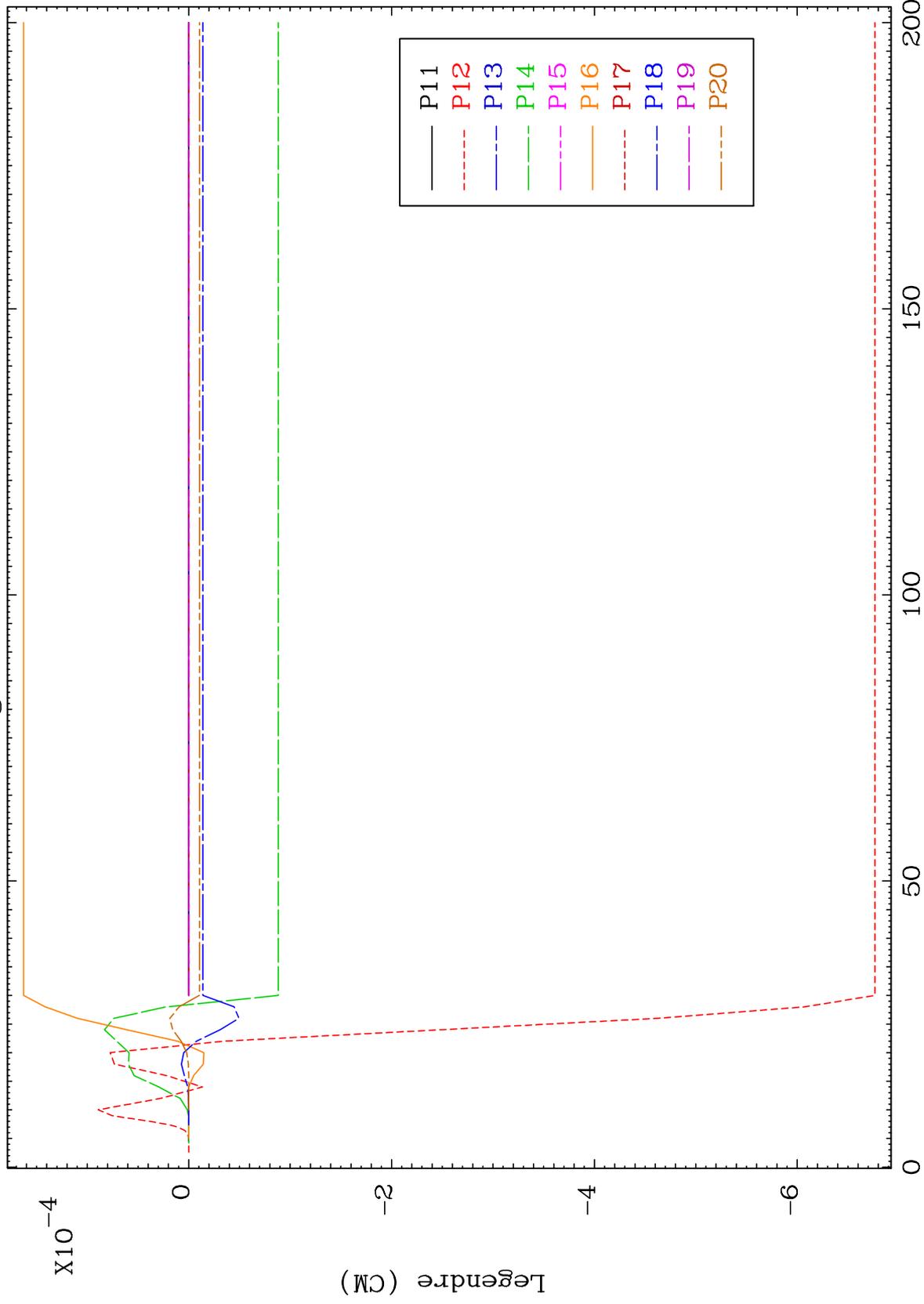
Incident Energy (MeV)

47

MAT 8622

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

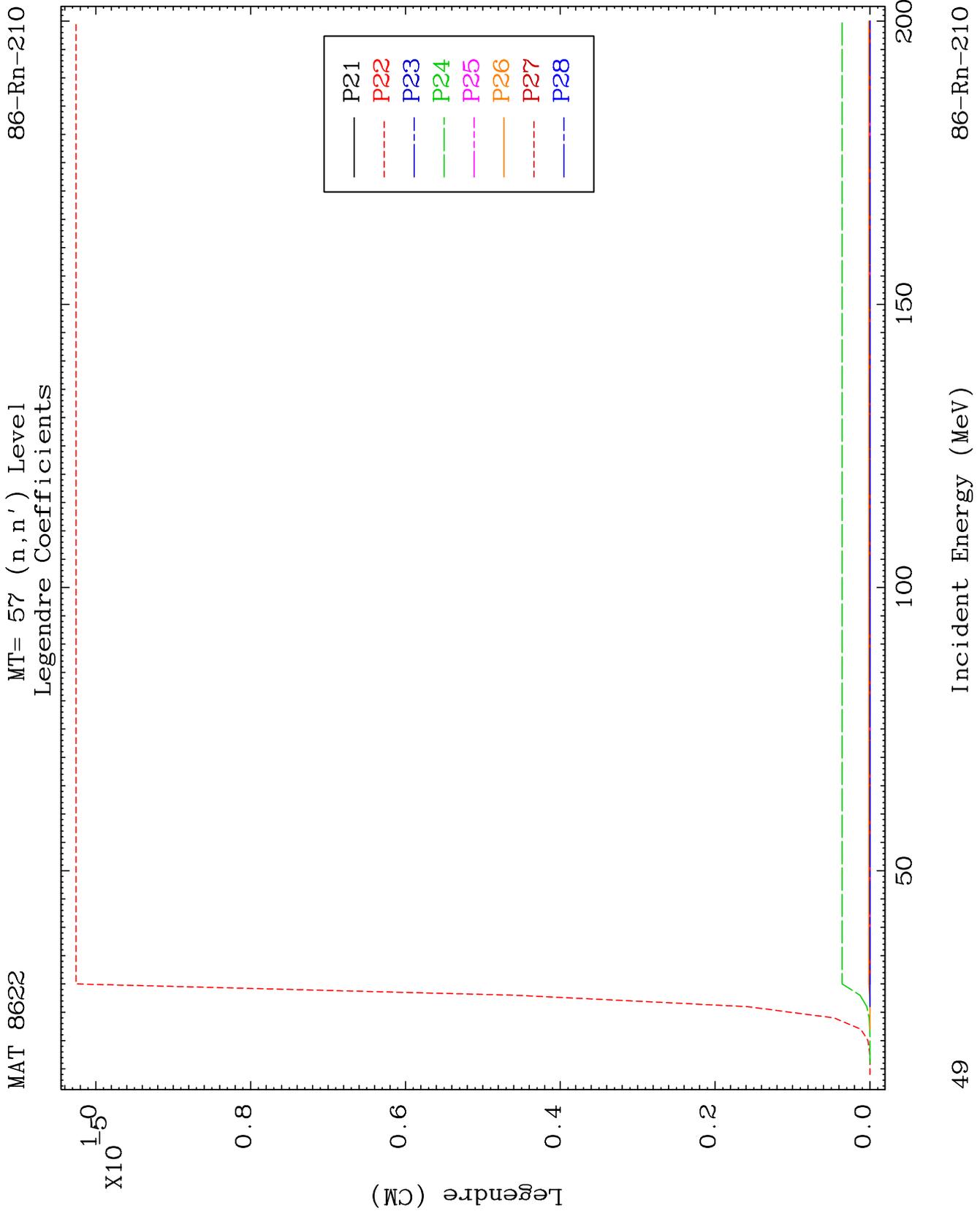
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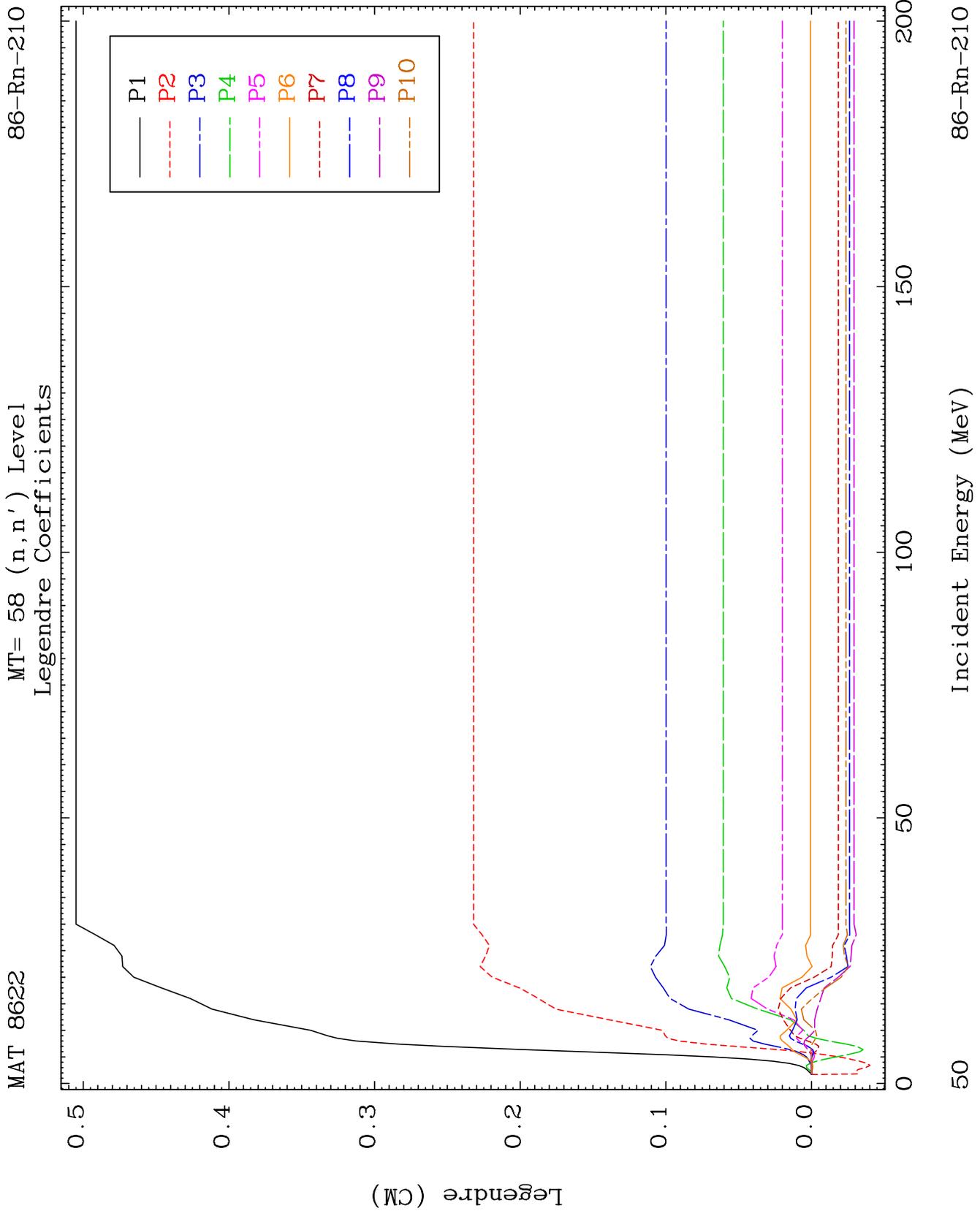


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Incident Energy (MeV)

86-Rn-210

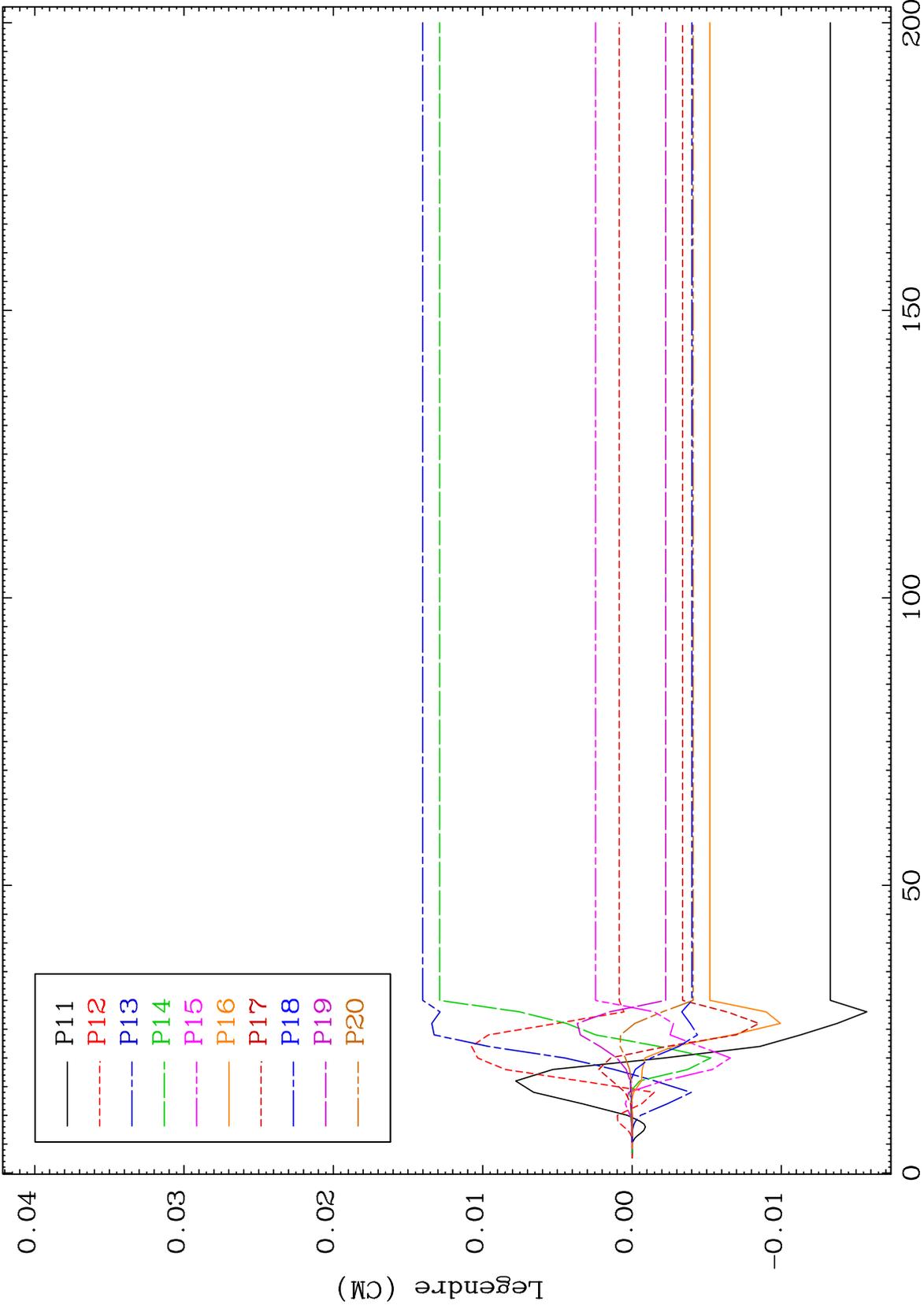




MAT 86222

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

86-Rn-210



51

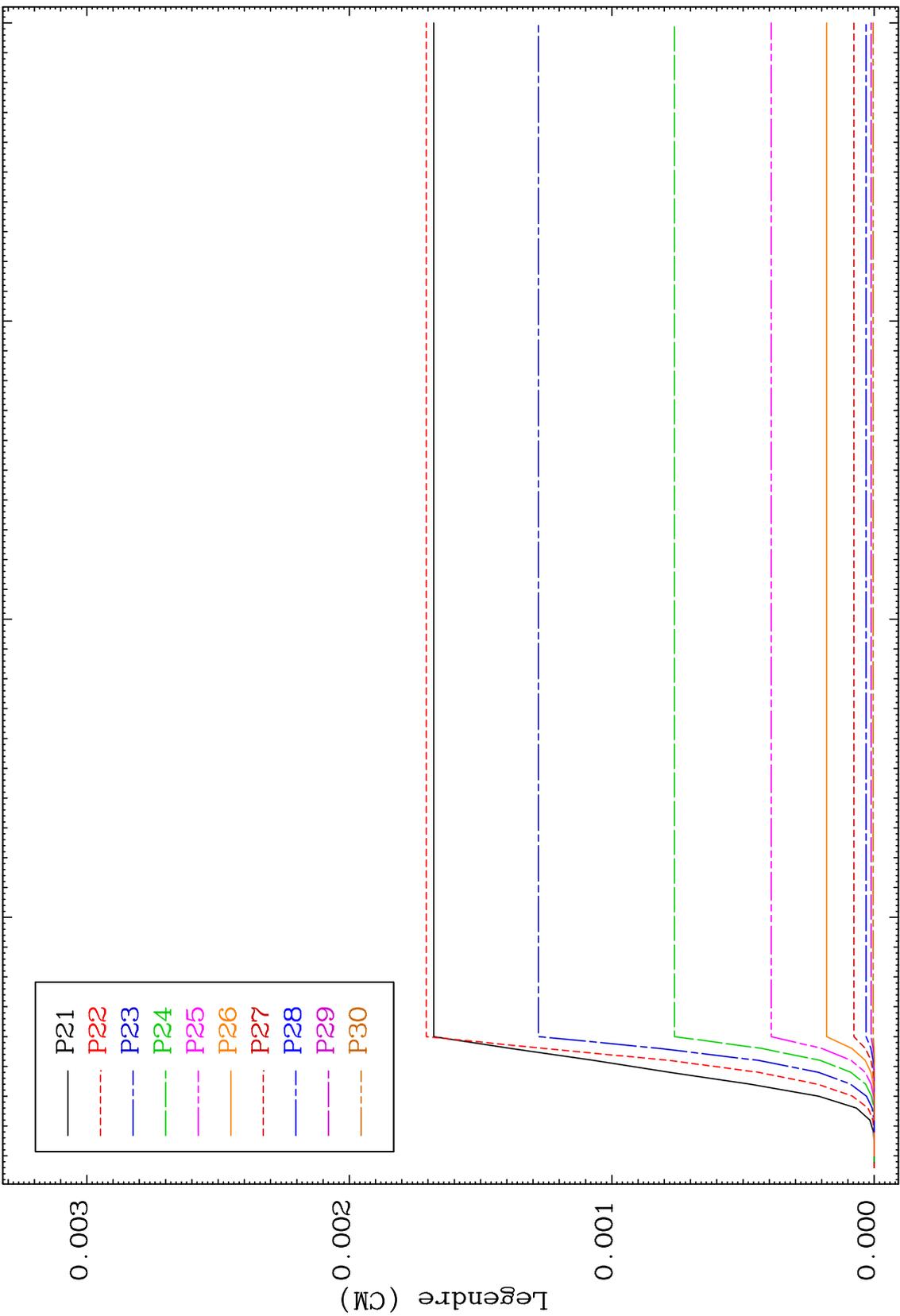
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

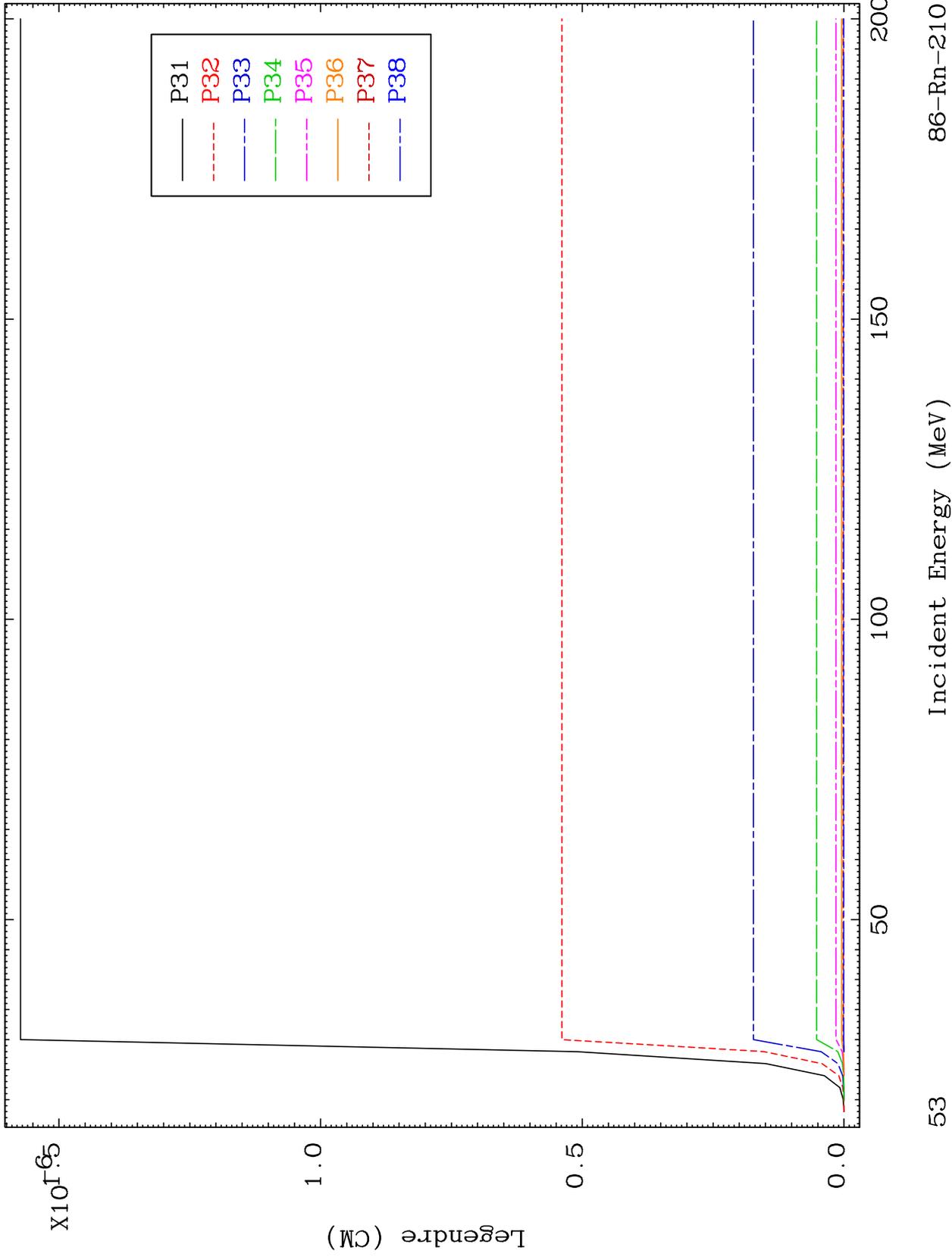
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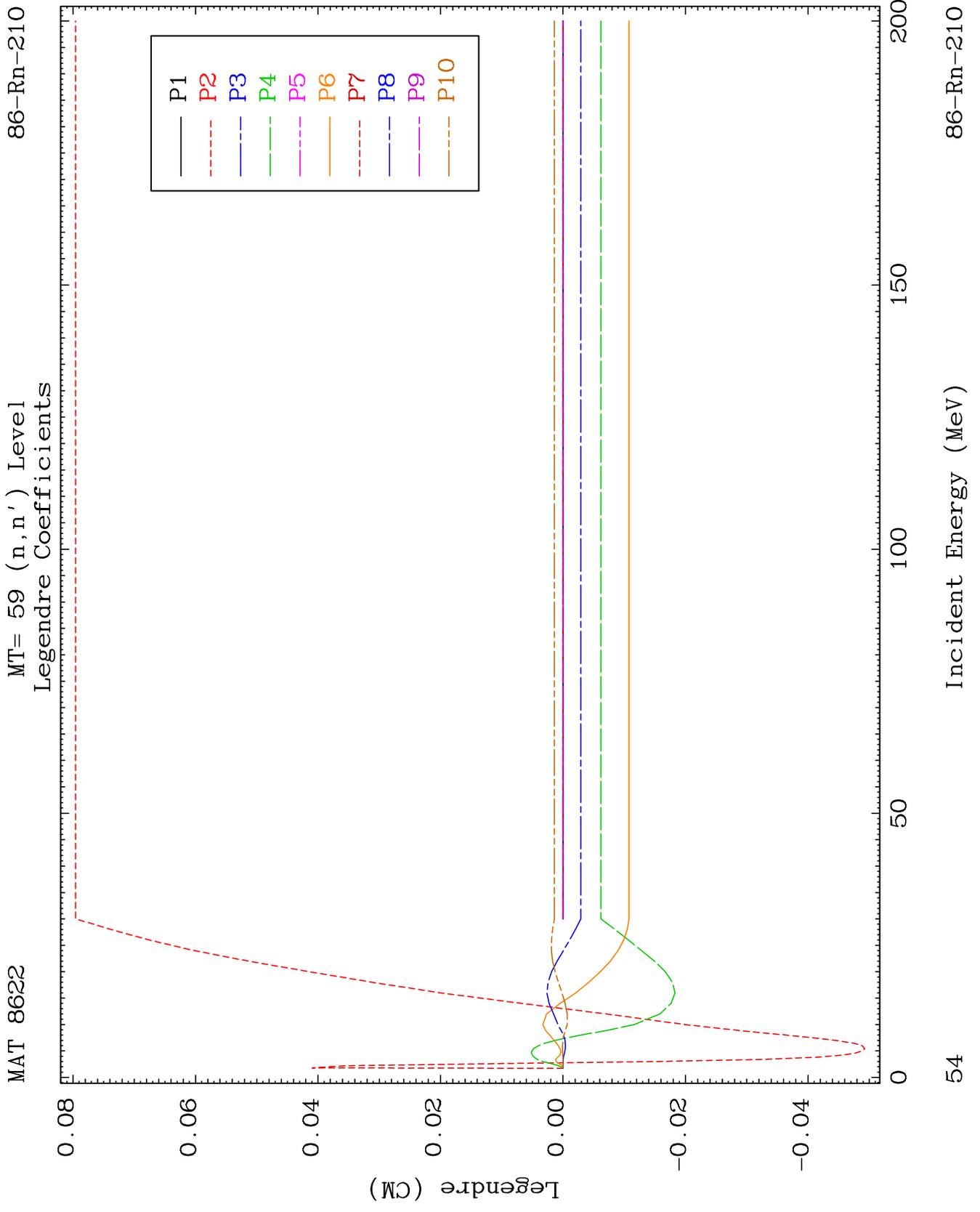


52

Incident Energy (MeV)

86-Rn-210





86-Rn-210

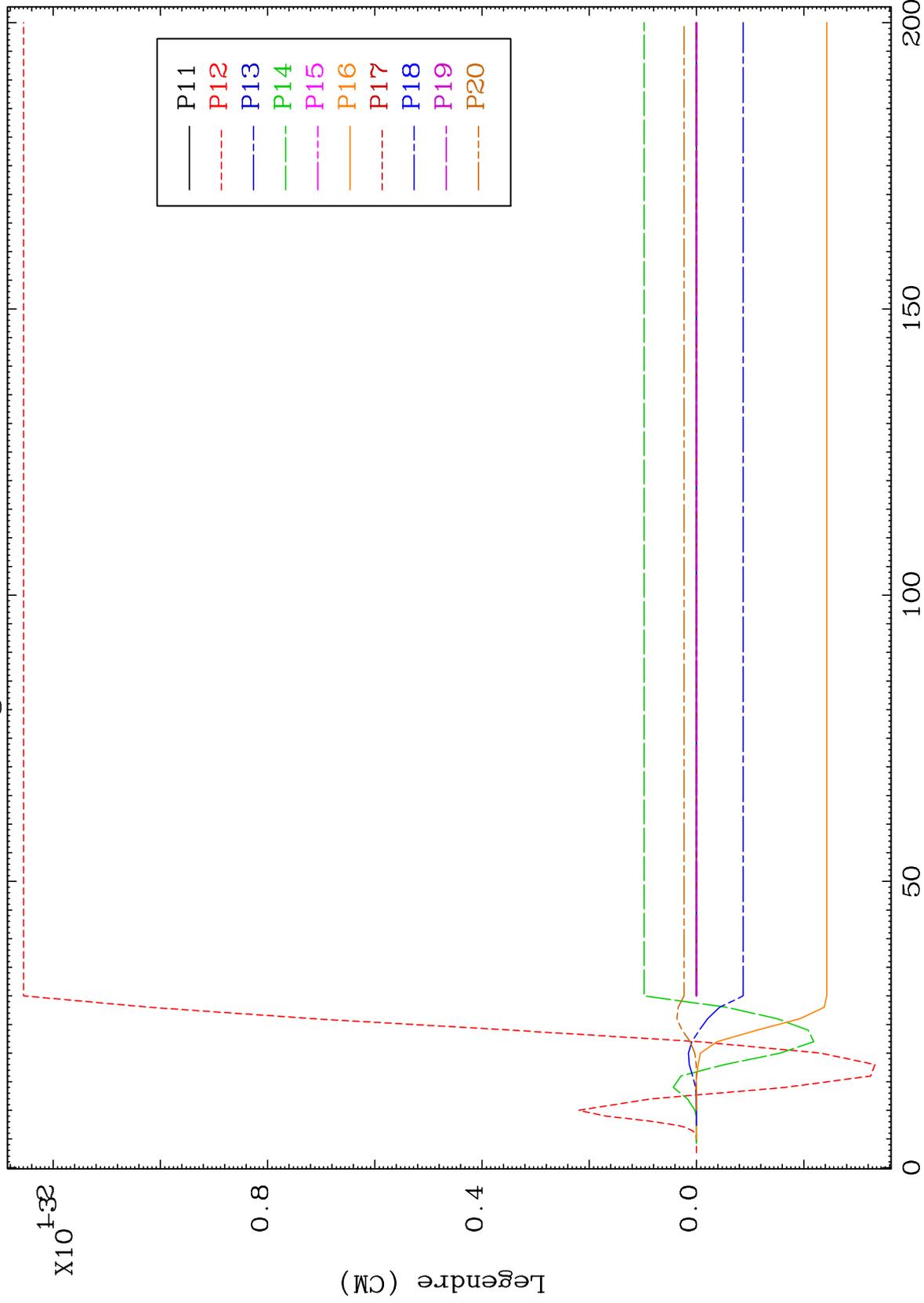
Incident Energy (MeV)

54

MAT 8622

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

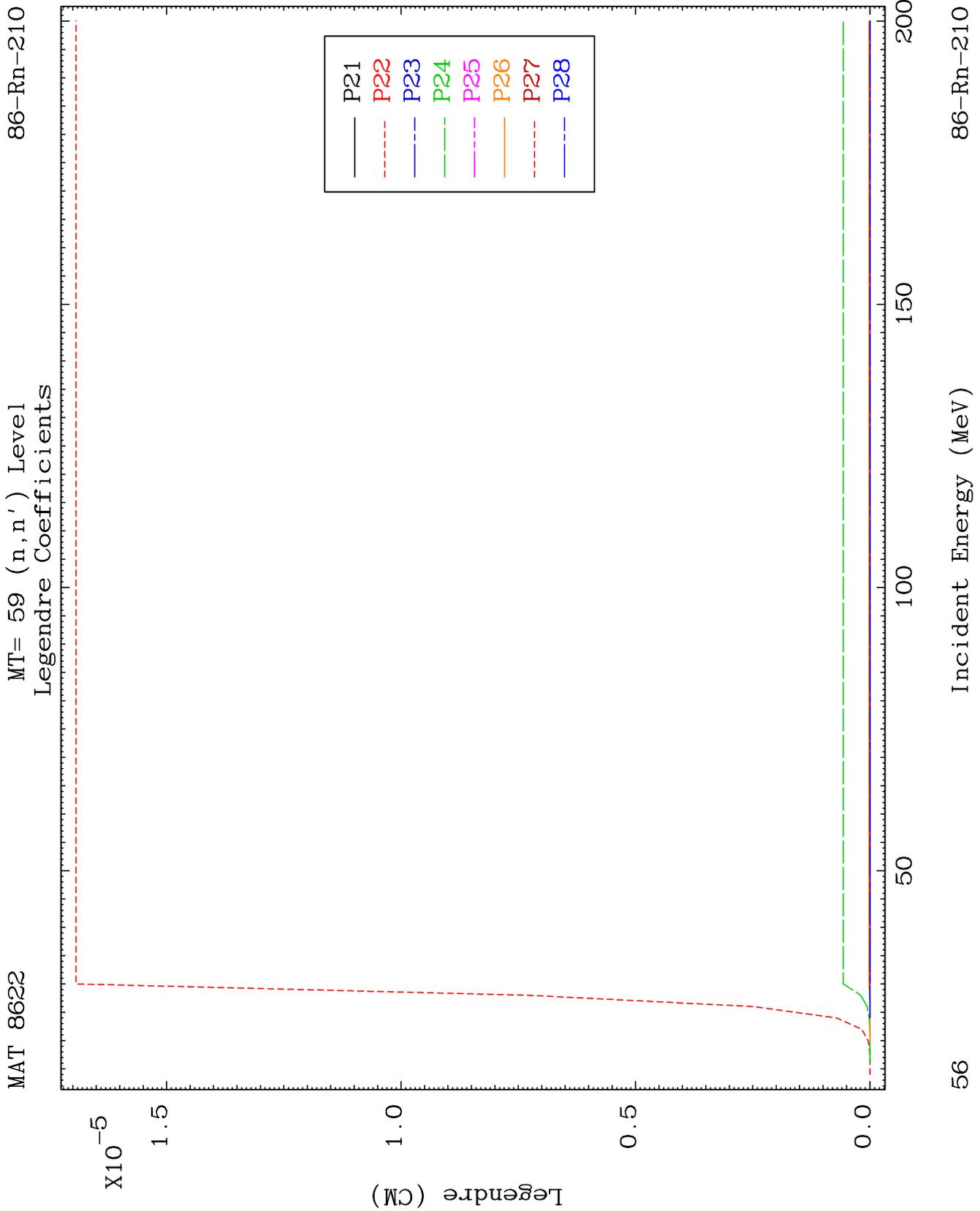
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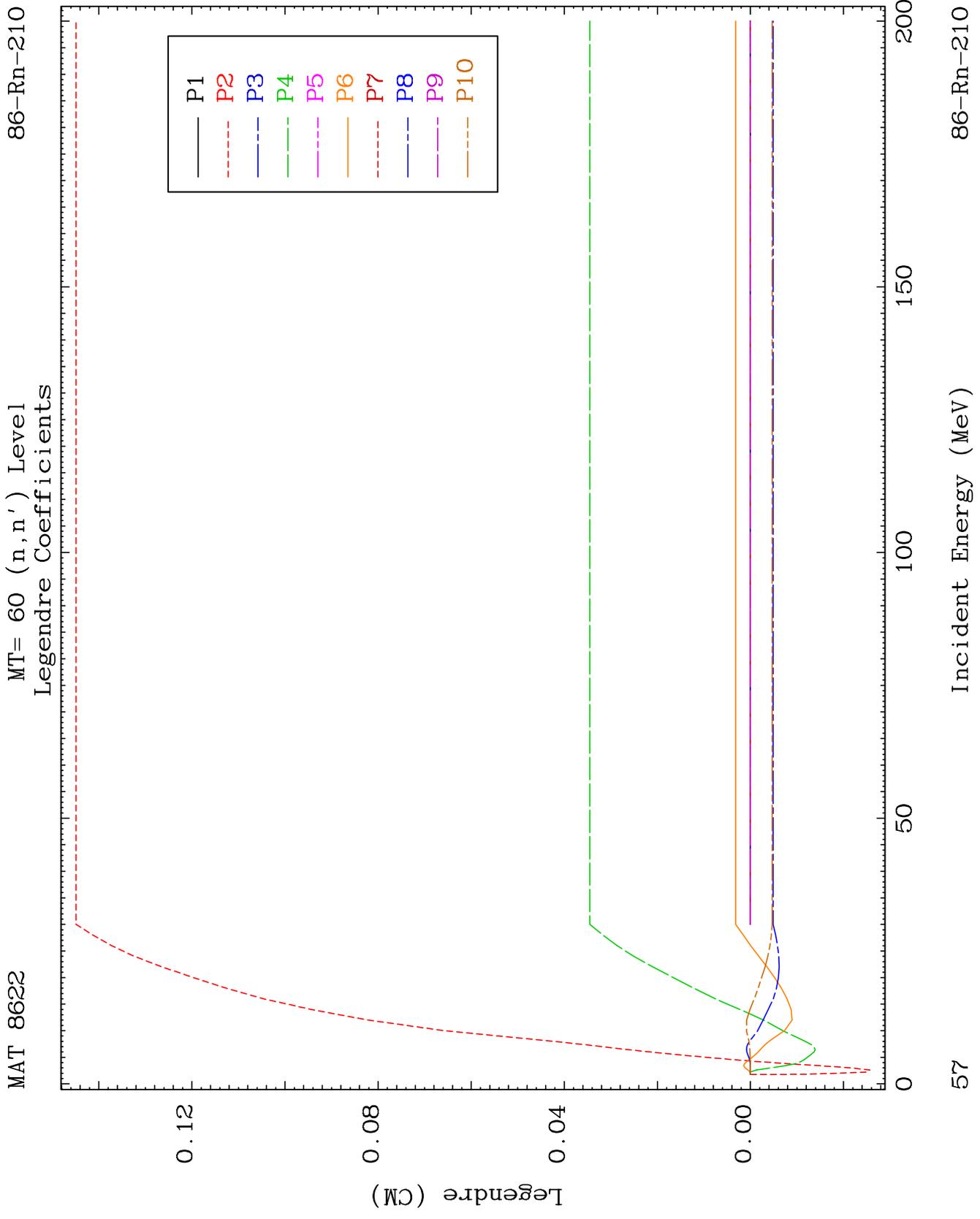


55

86-Rn-210

86-Rn-210

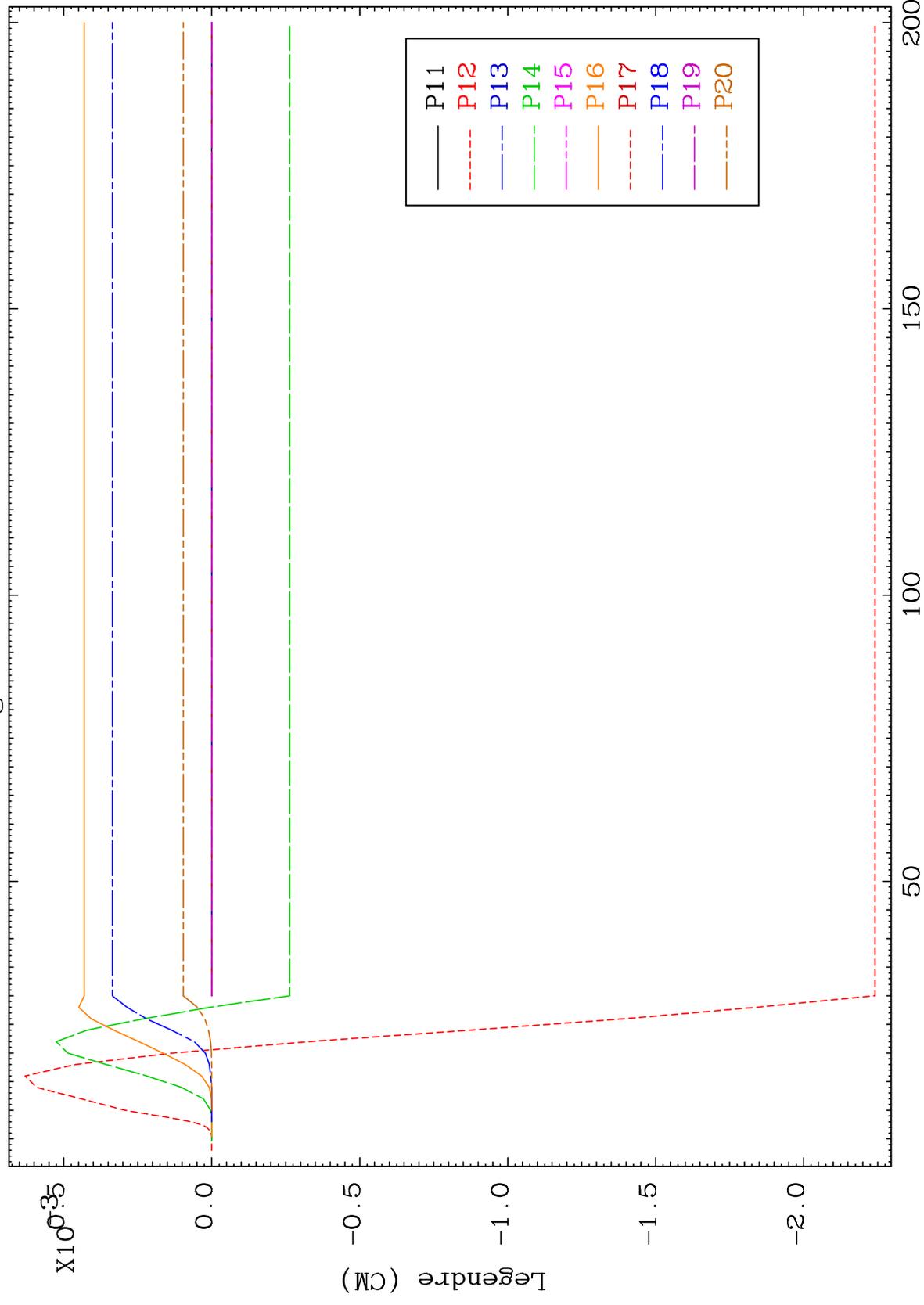




MAT 8622

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

86-Rn-210

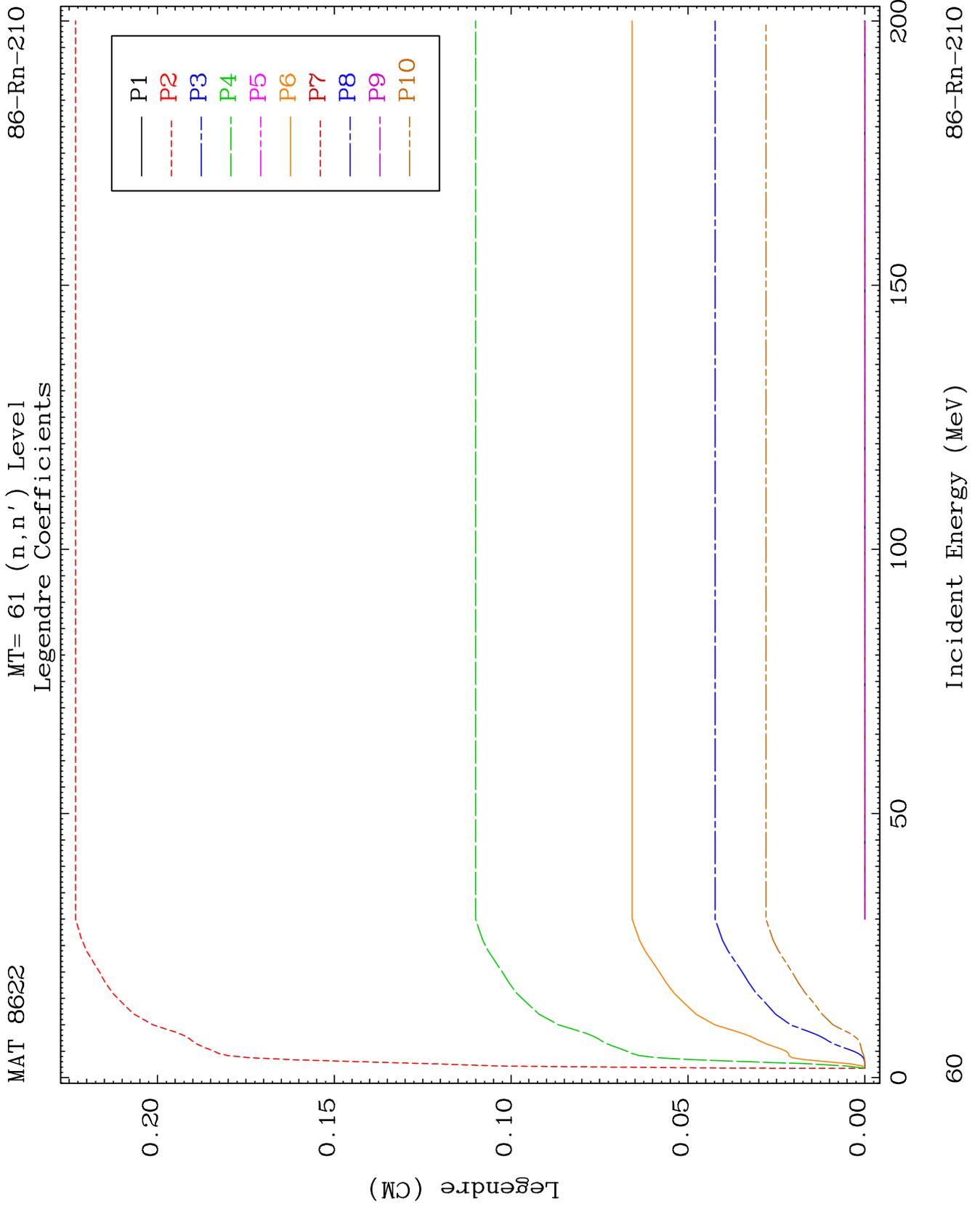


58

Incident Energy (MeV)

86-Rn-210

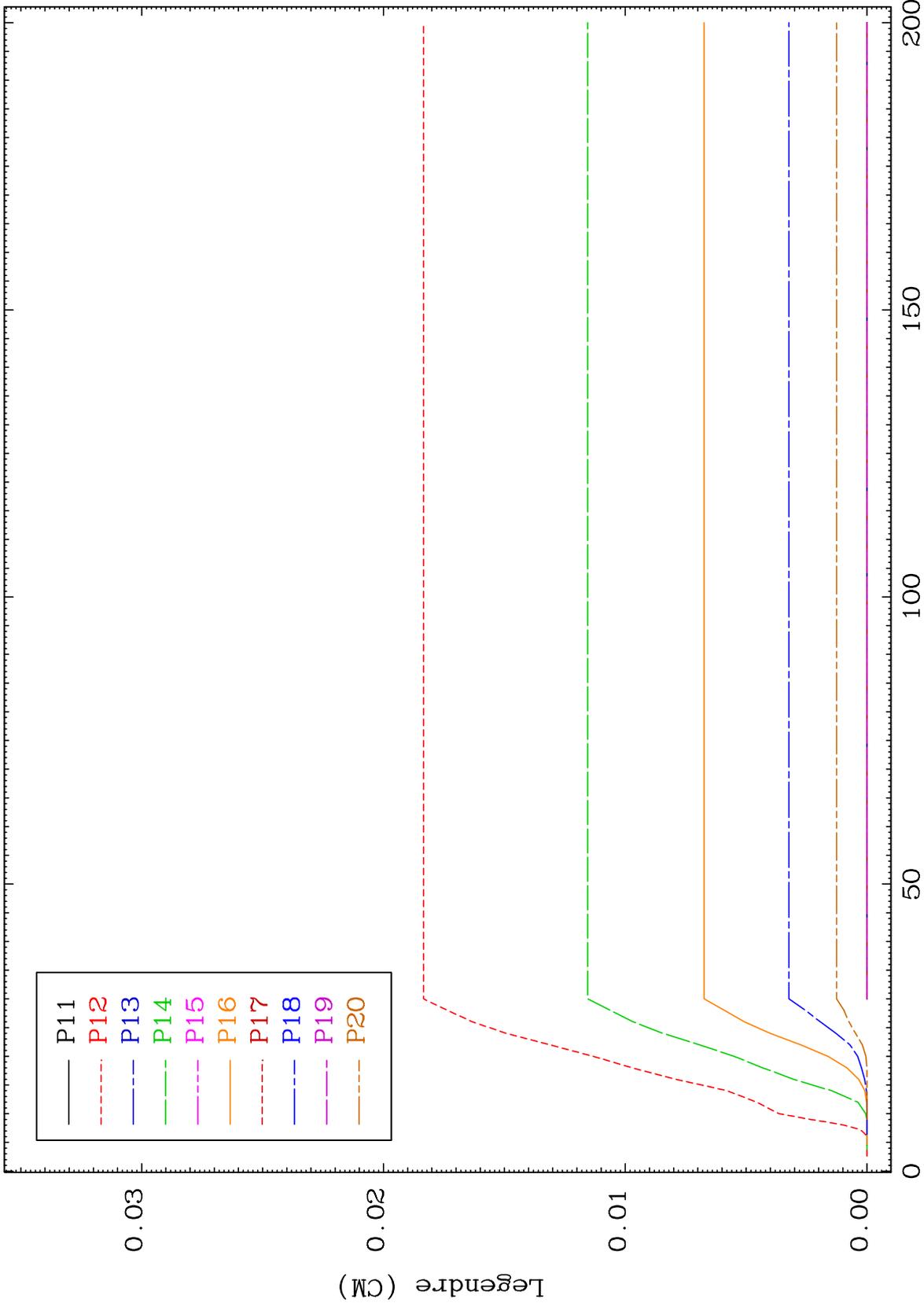




MAT 86222

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

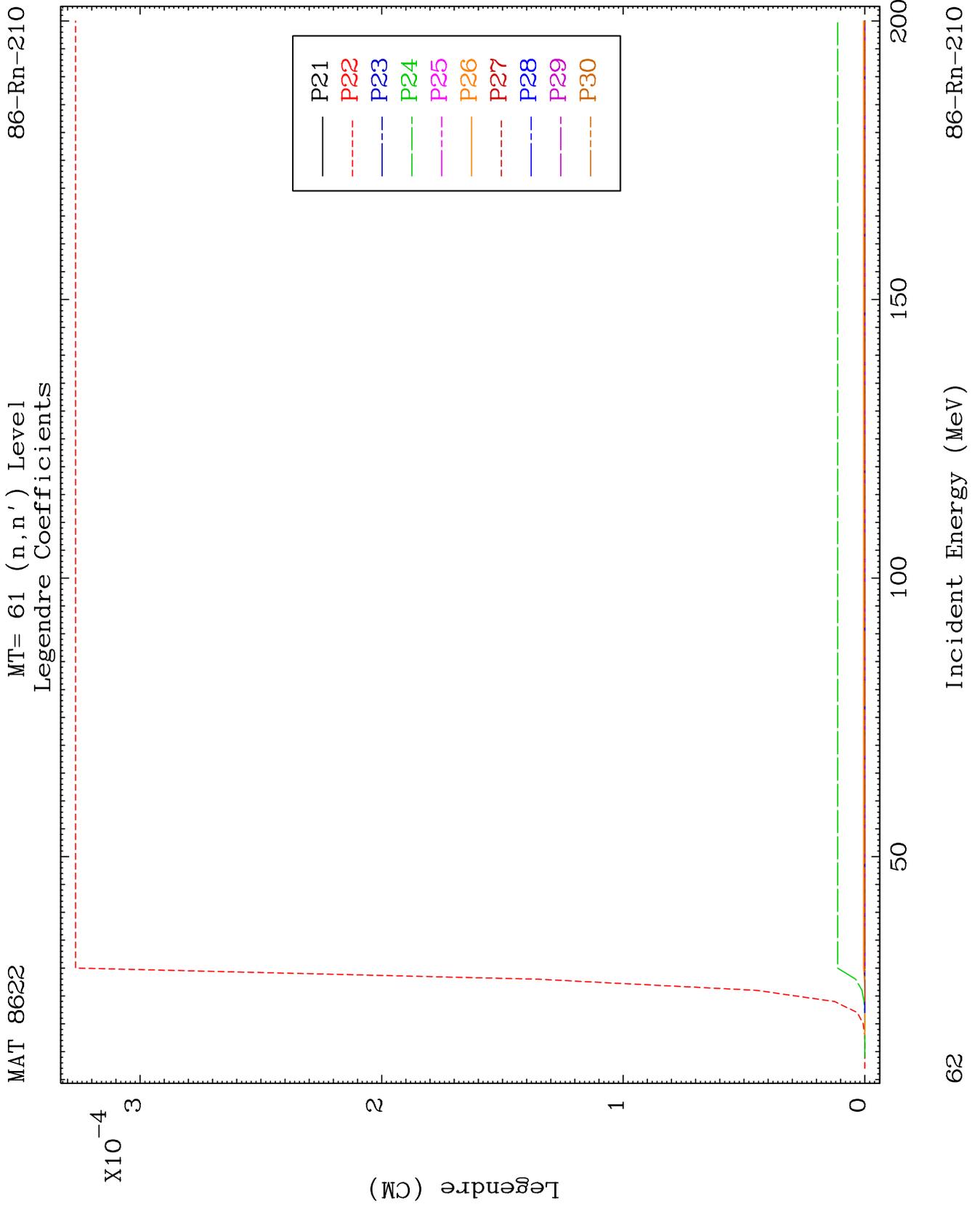
86-Rn-210



61

Incident Energy (MeV)

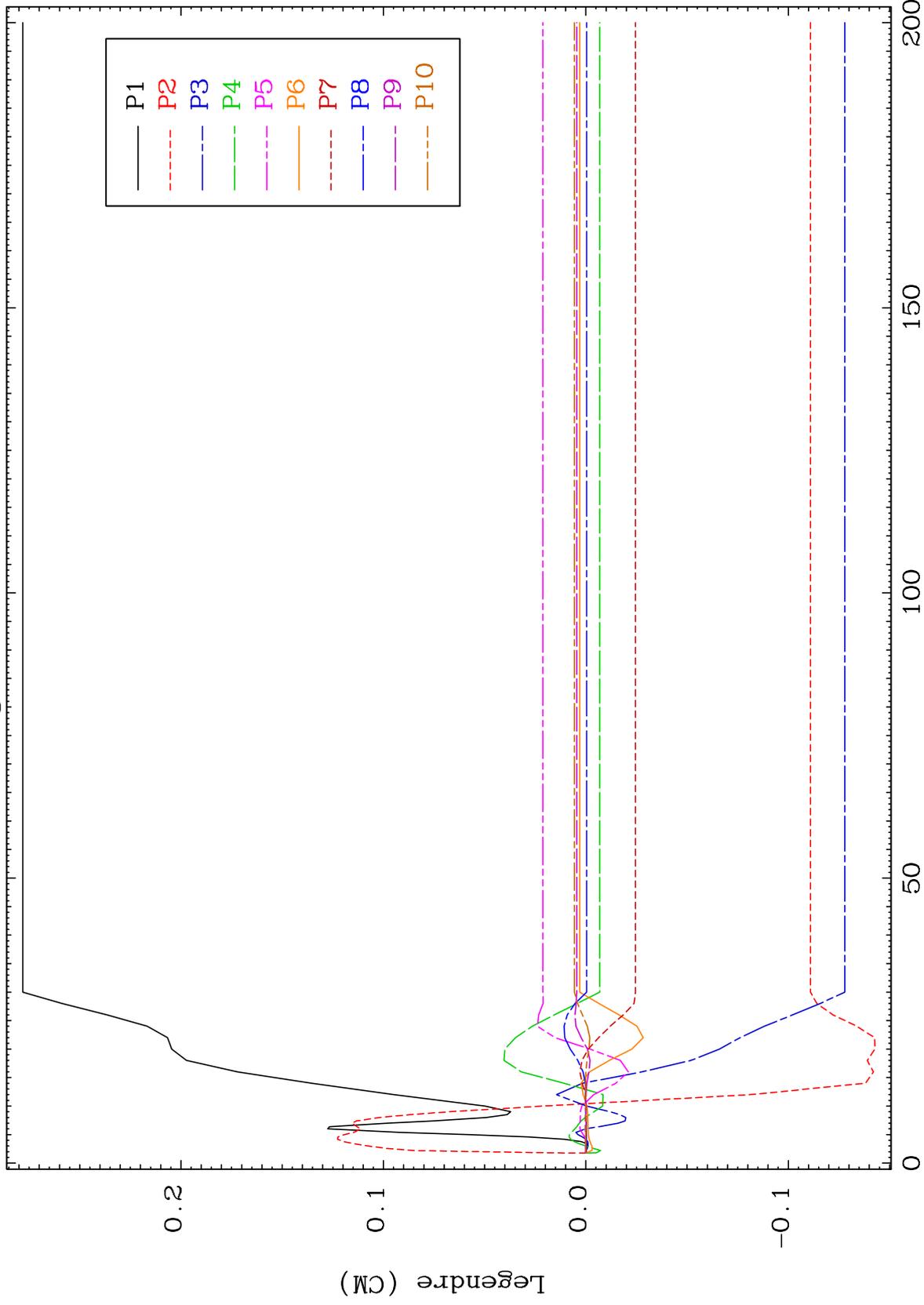
86-Rn-210



MAT 86222

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

86-Rn-210



86-Rn-210

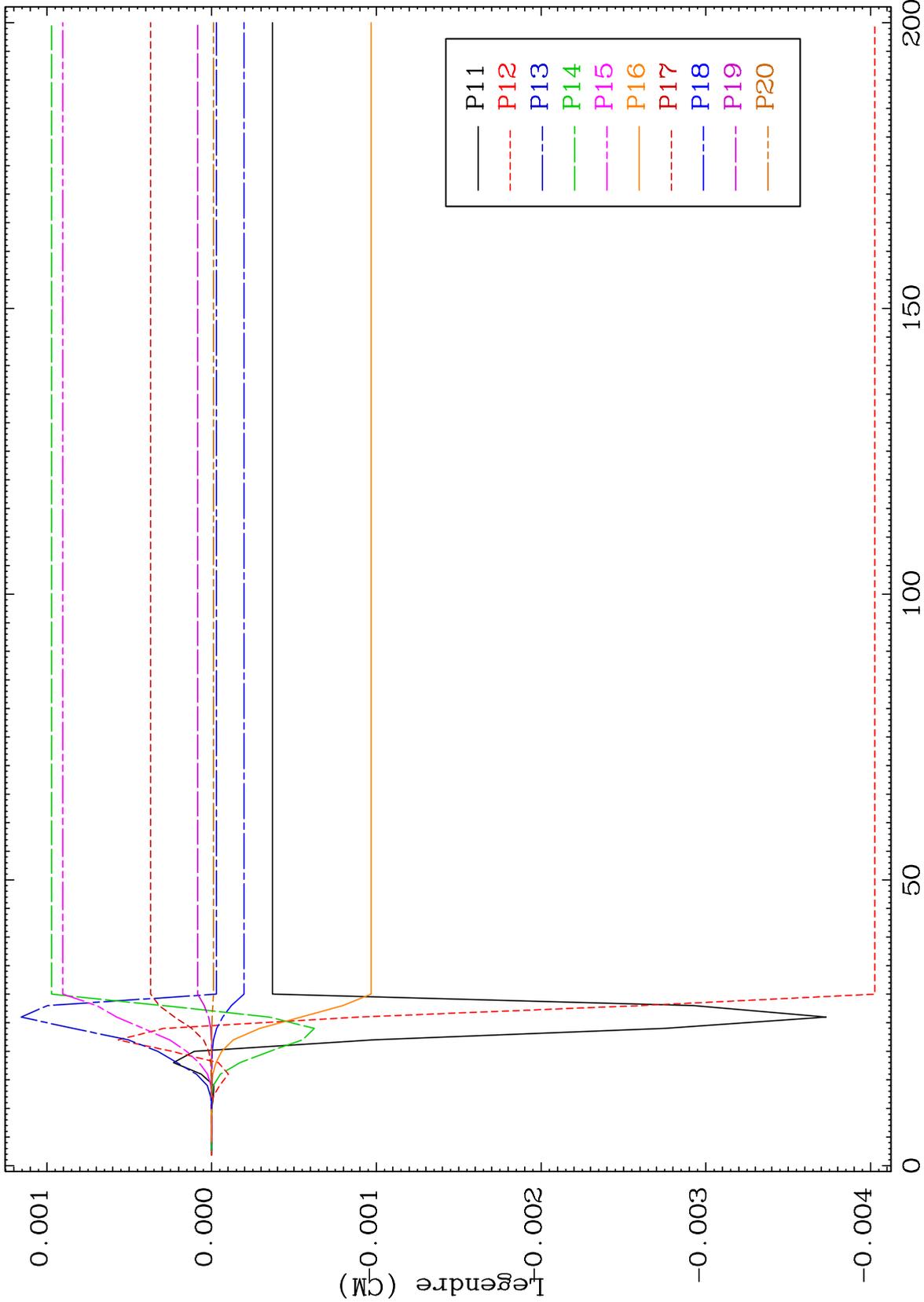
Incident Energy (MeV)

63

MAT 8622

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

86-Rn-210



64

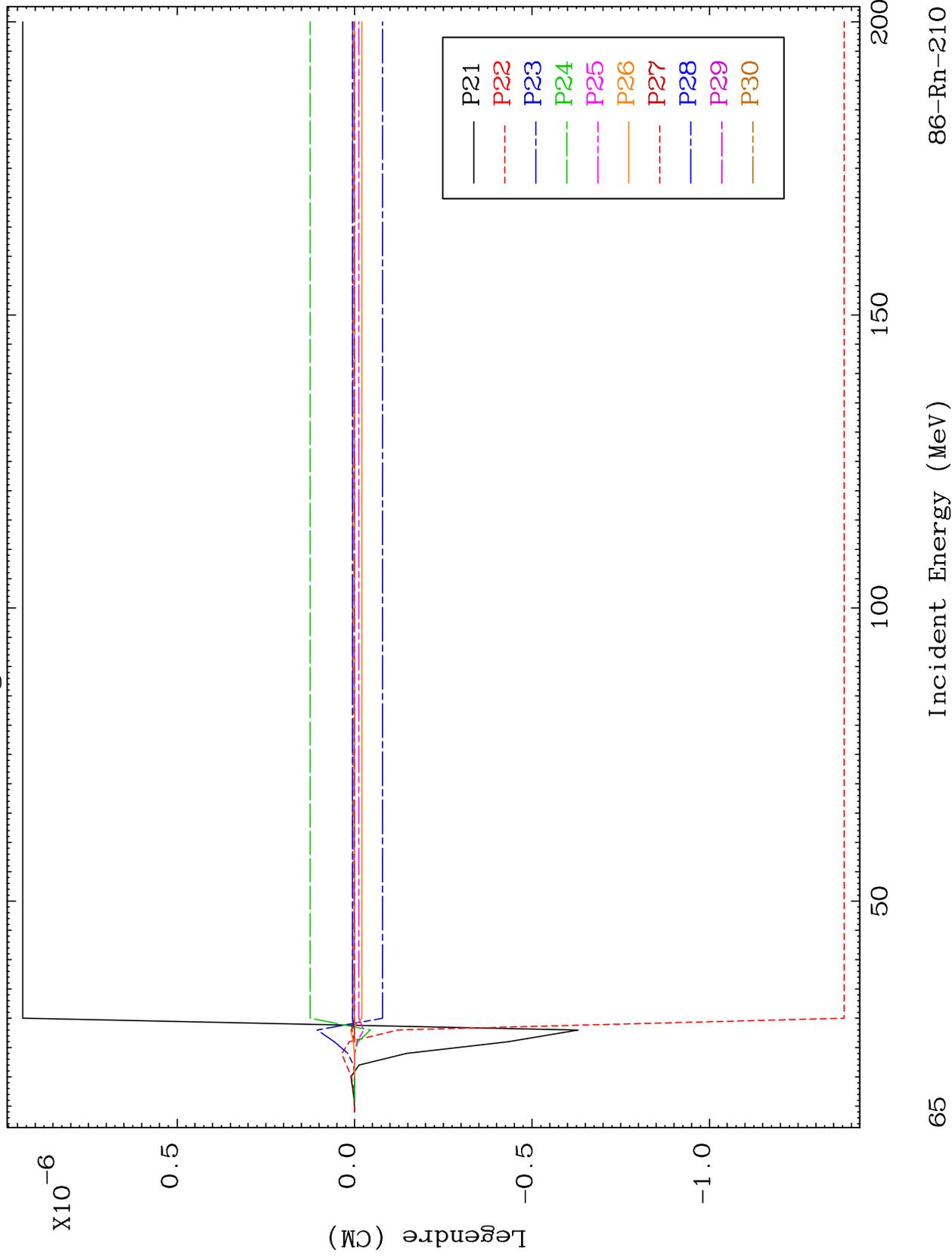
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



65

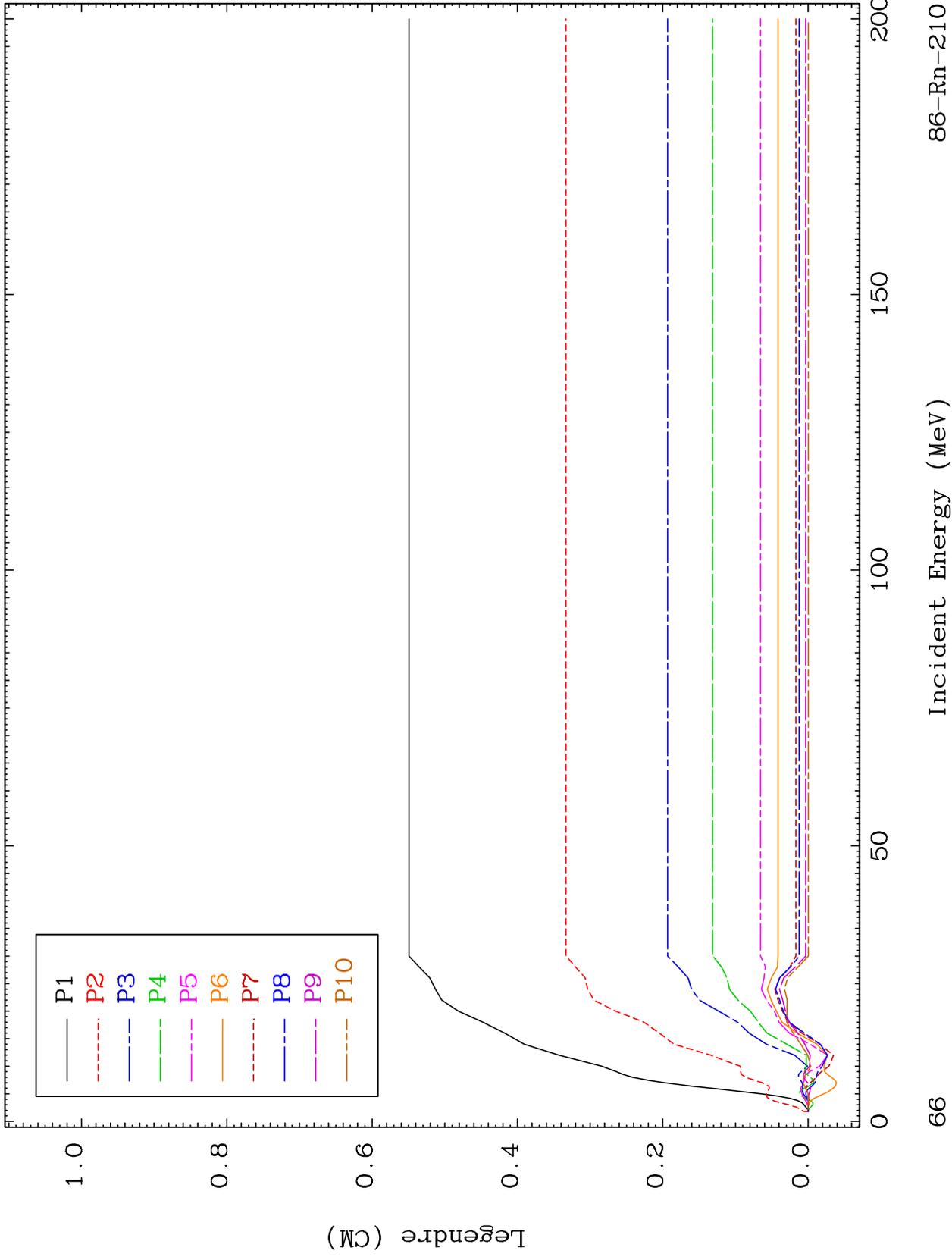
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



66

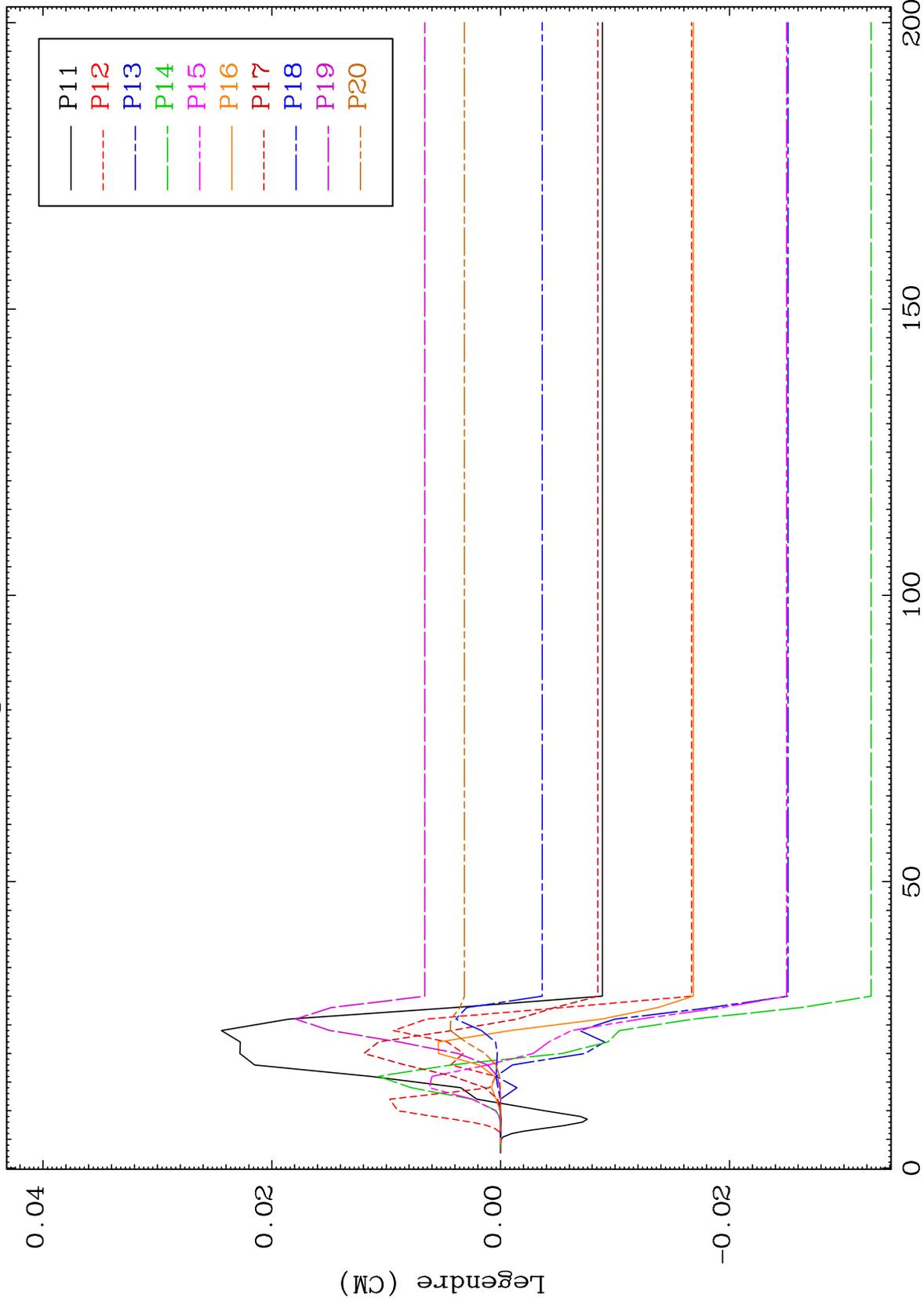
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



67

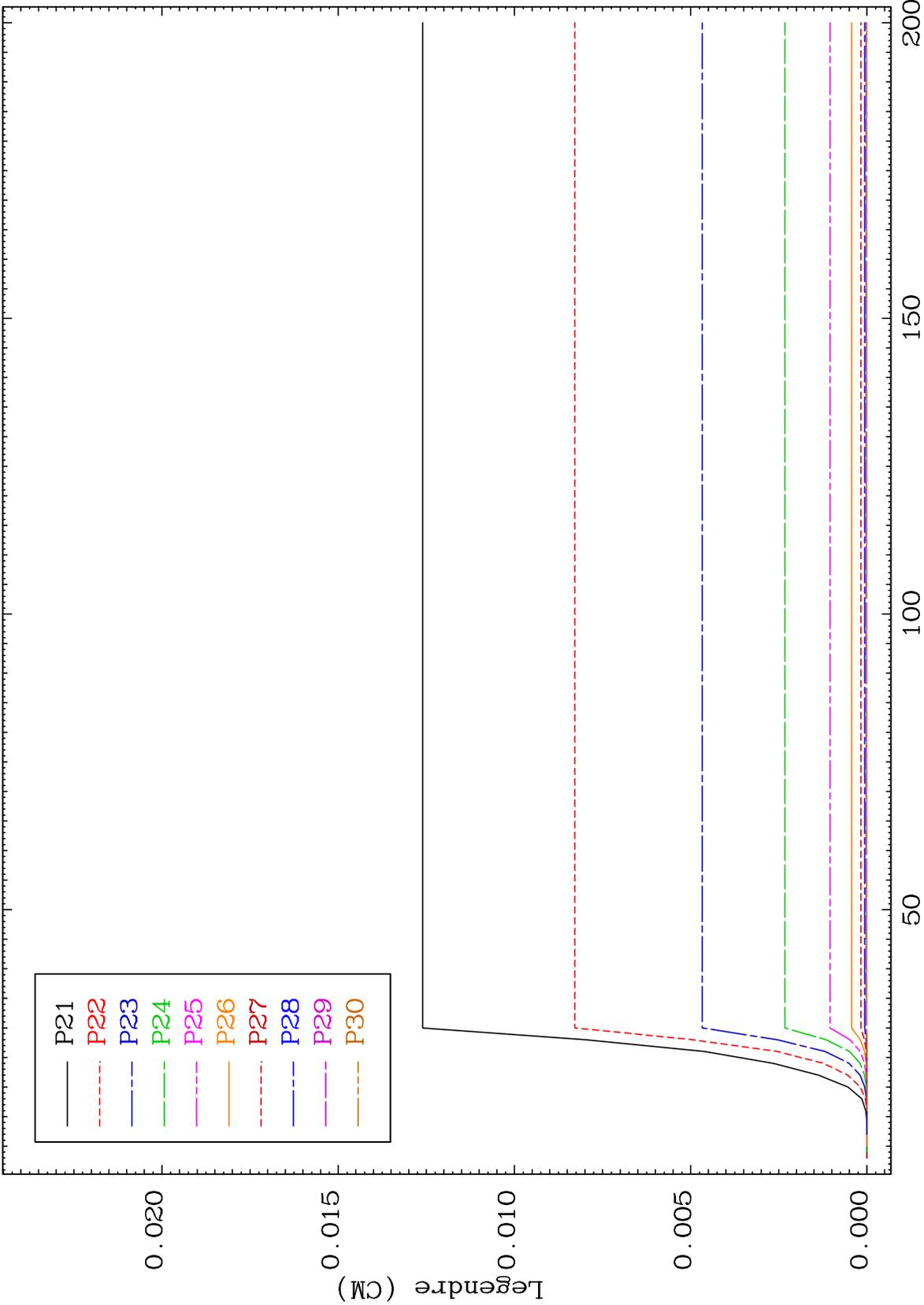
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



68

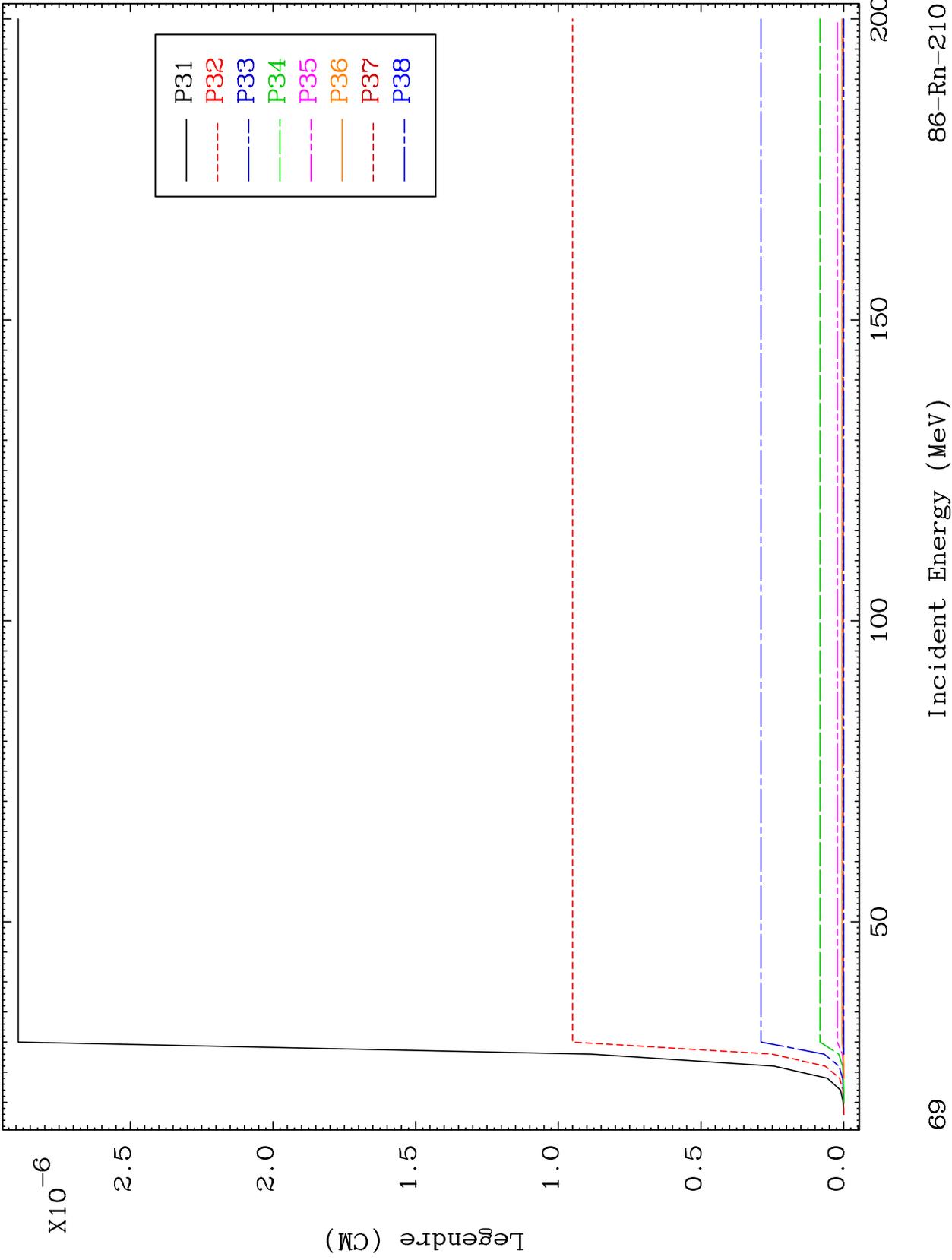
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



69

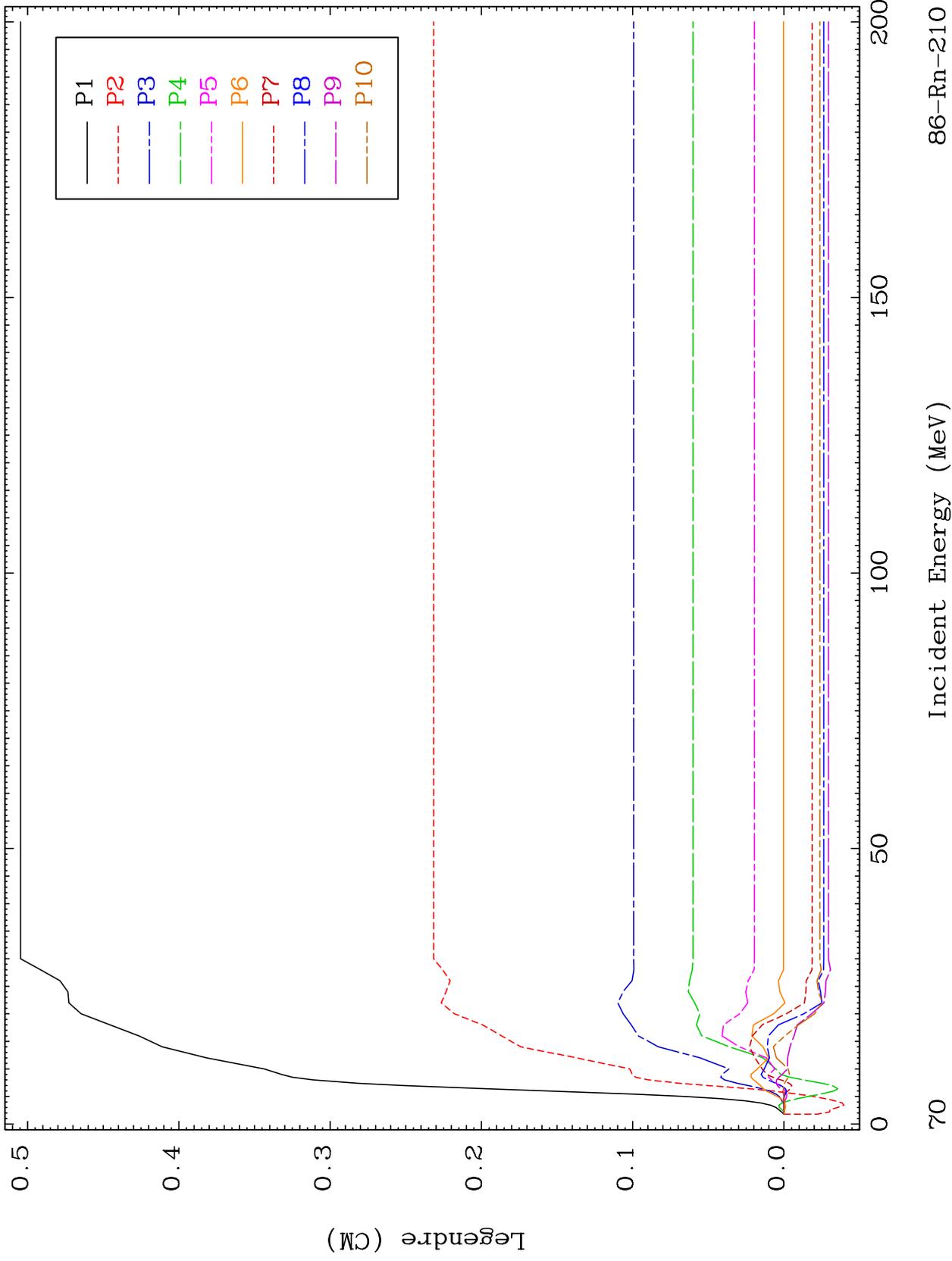
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



86-Rn-210

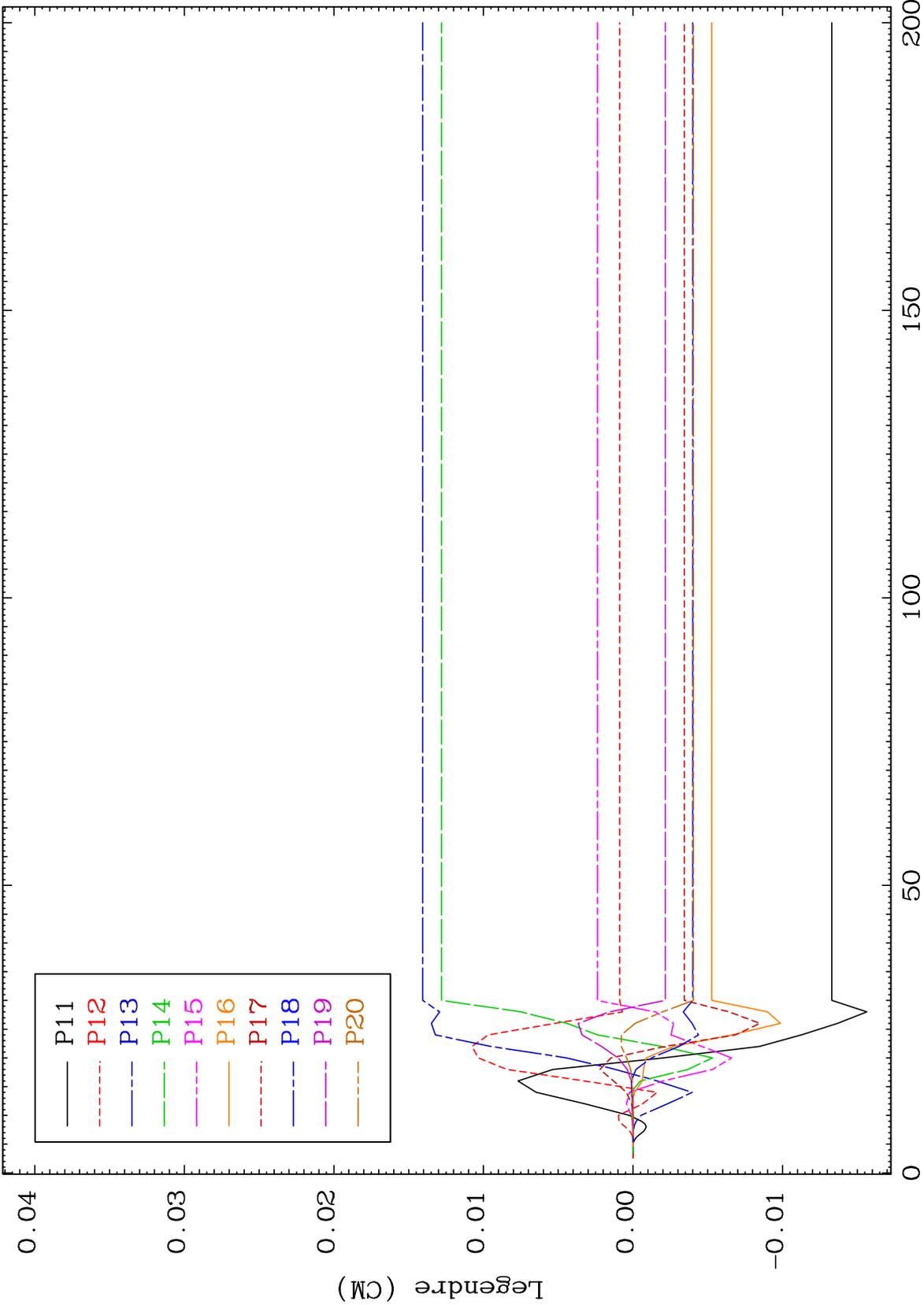
Incident Energy (MeV)

70

MAT 86222

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

86-Rn-210



71

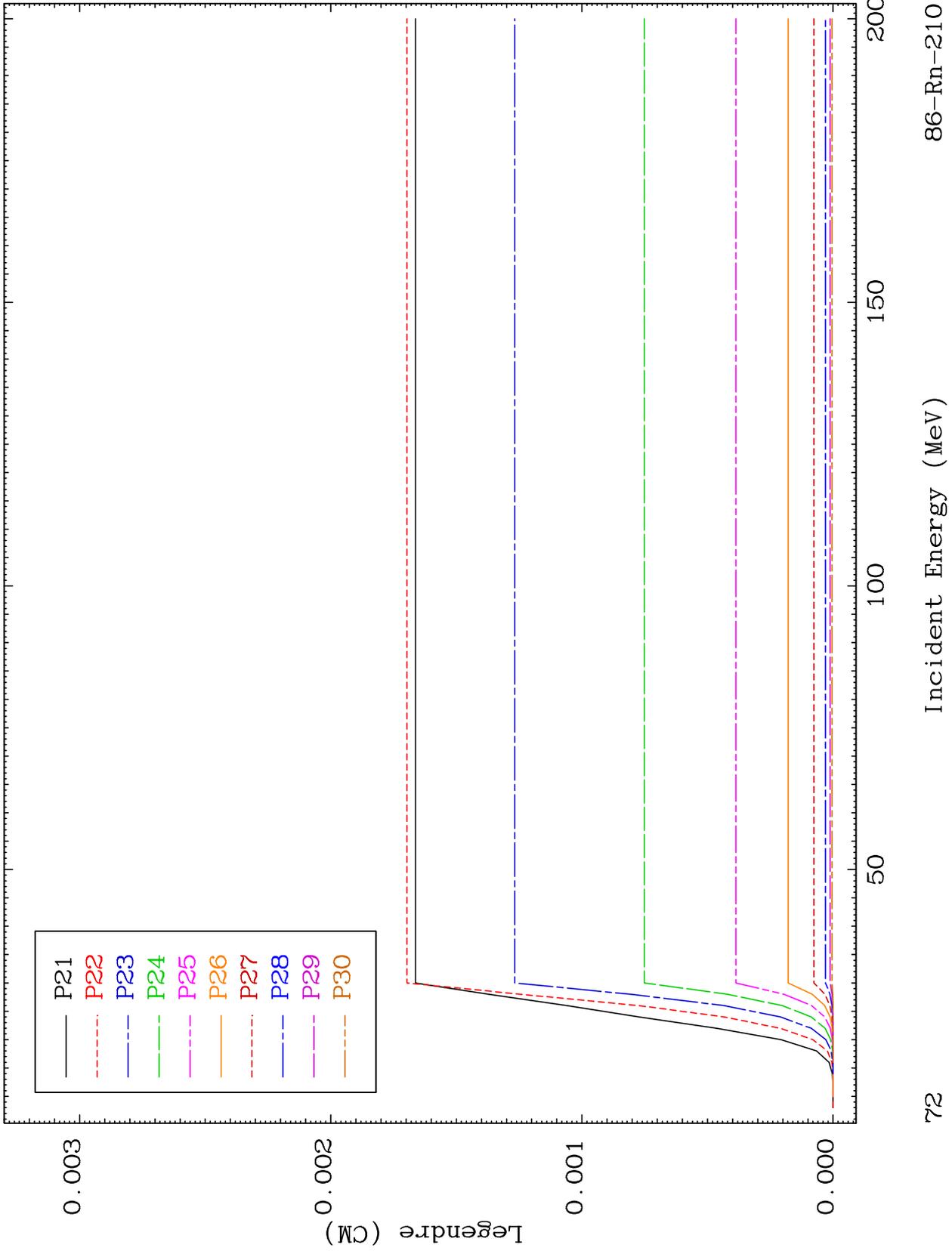
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

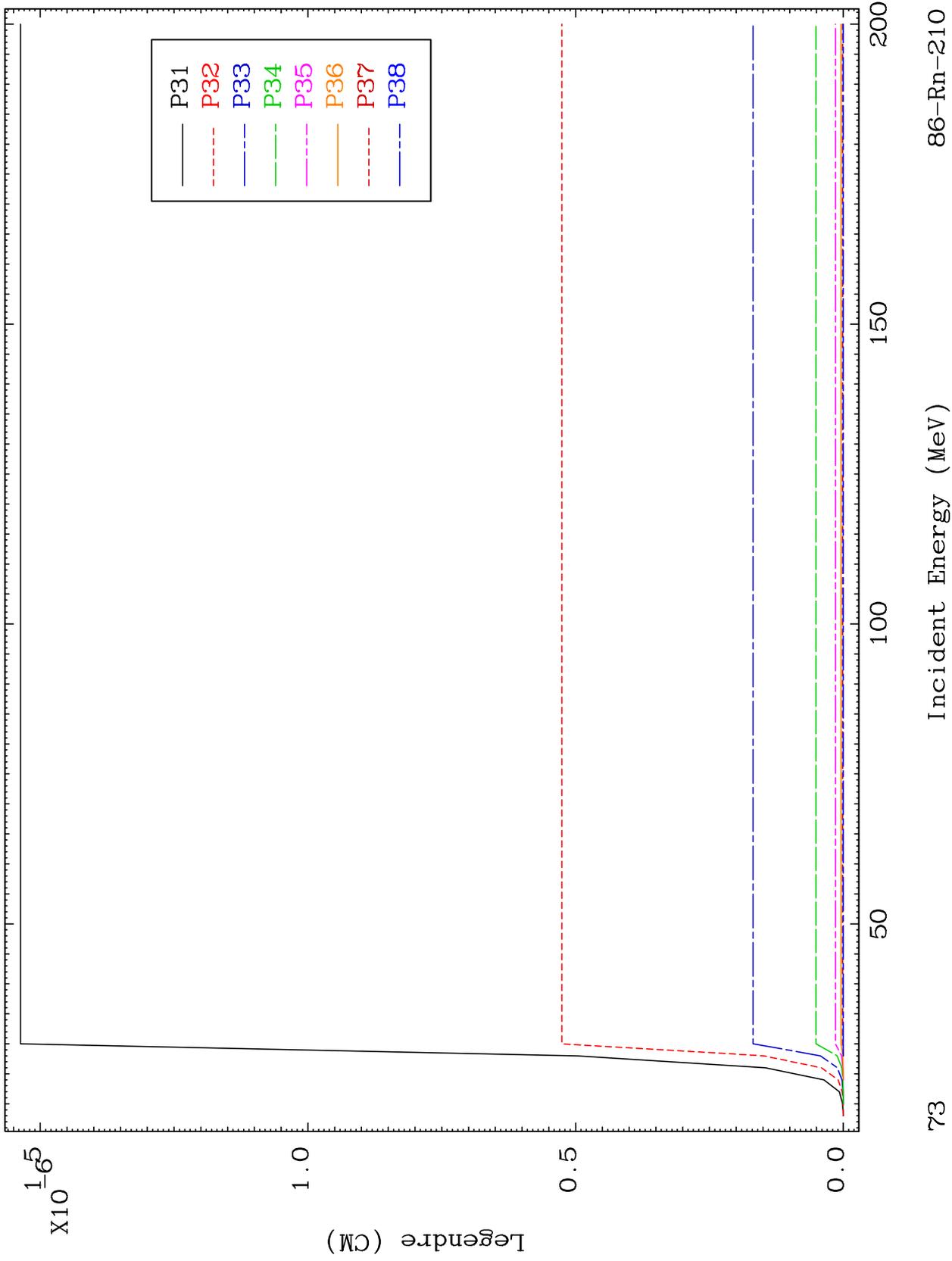
86-Rn-210



MAT 8622

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

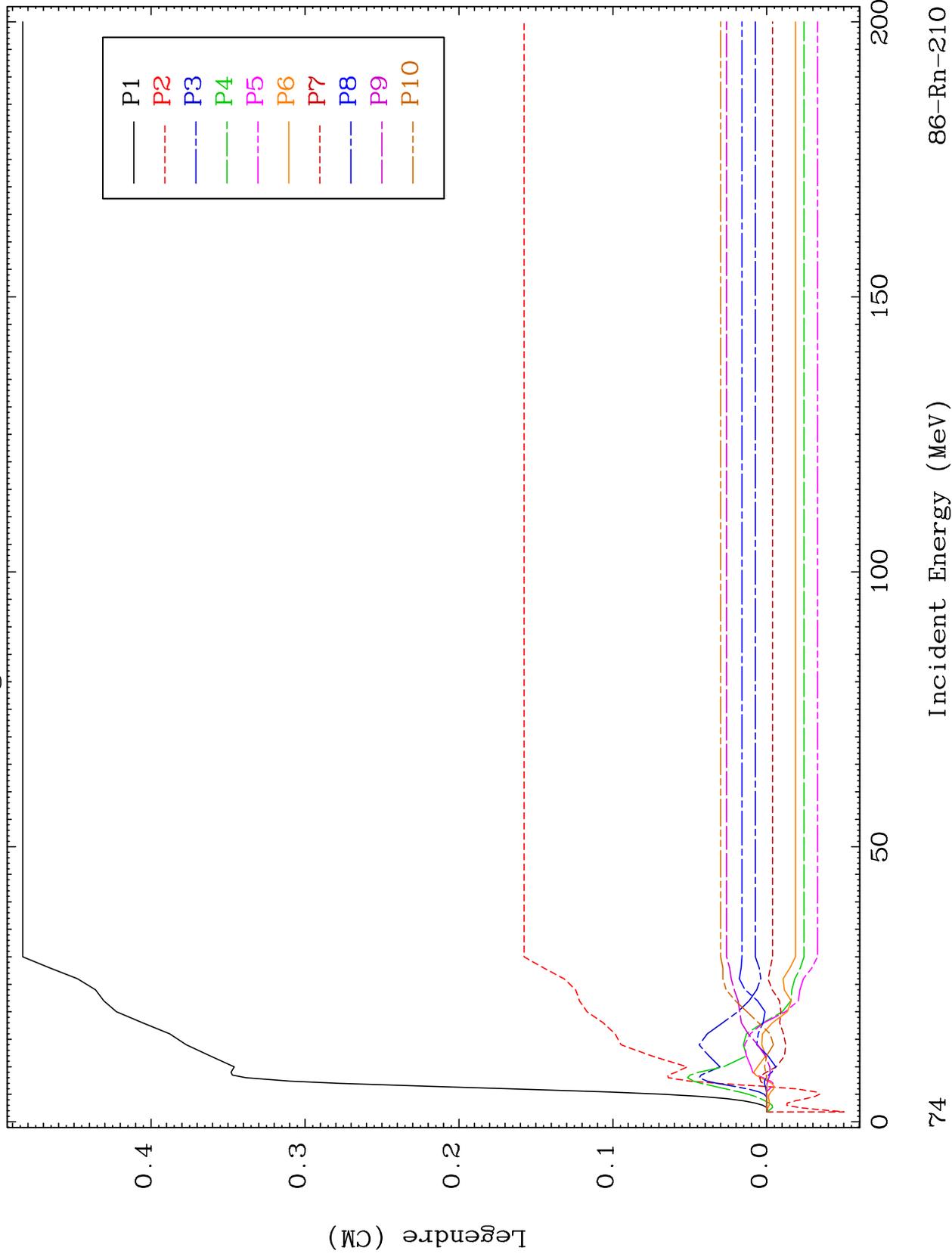
86-Rn-210



MAT 8622

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

86-Rn-210



74

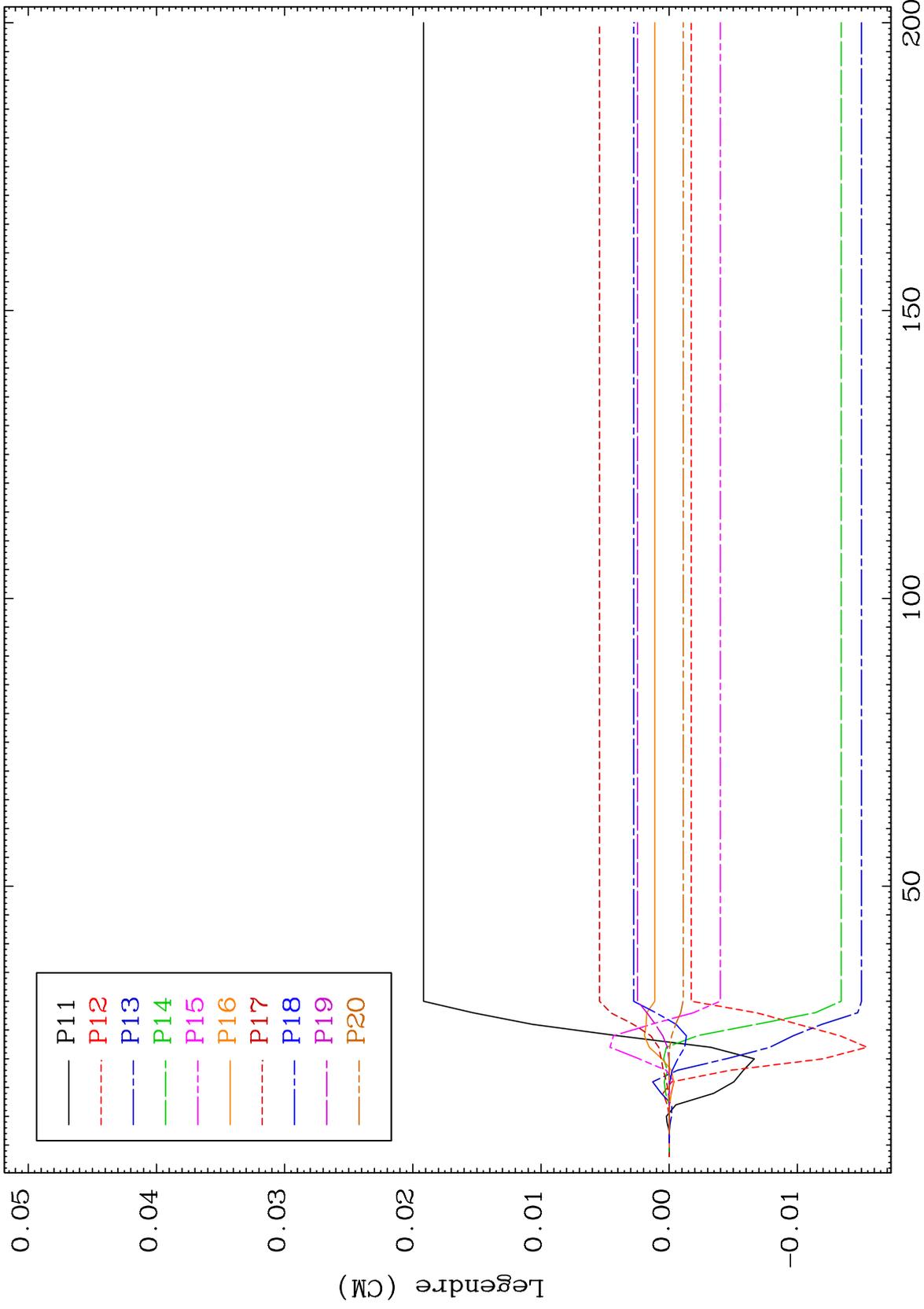
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



75

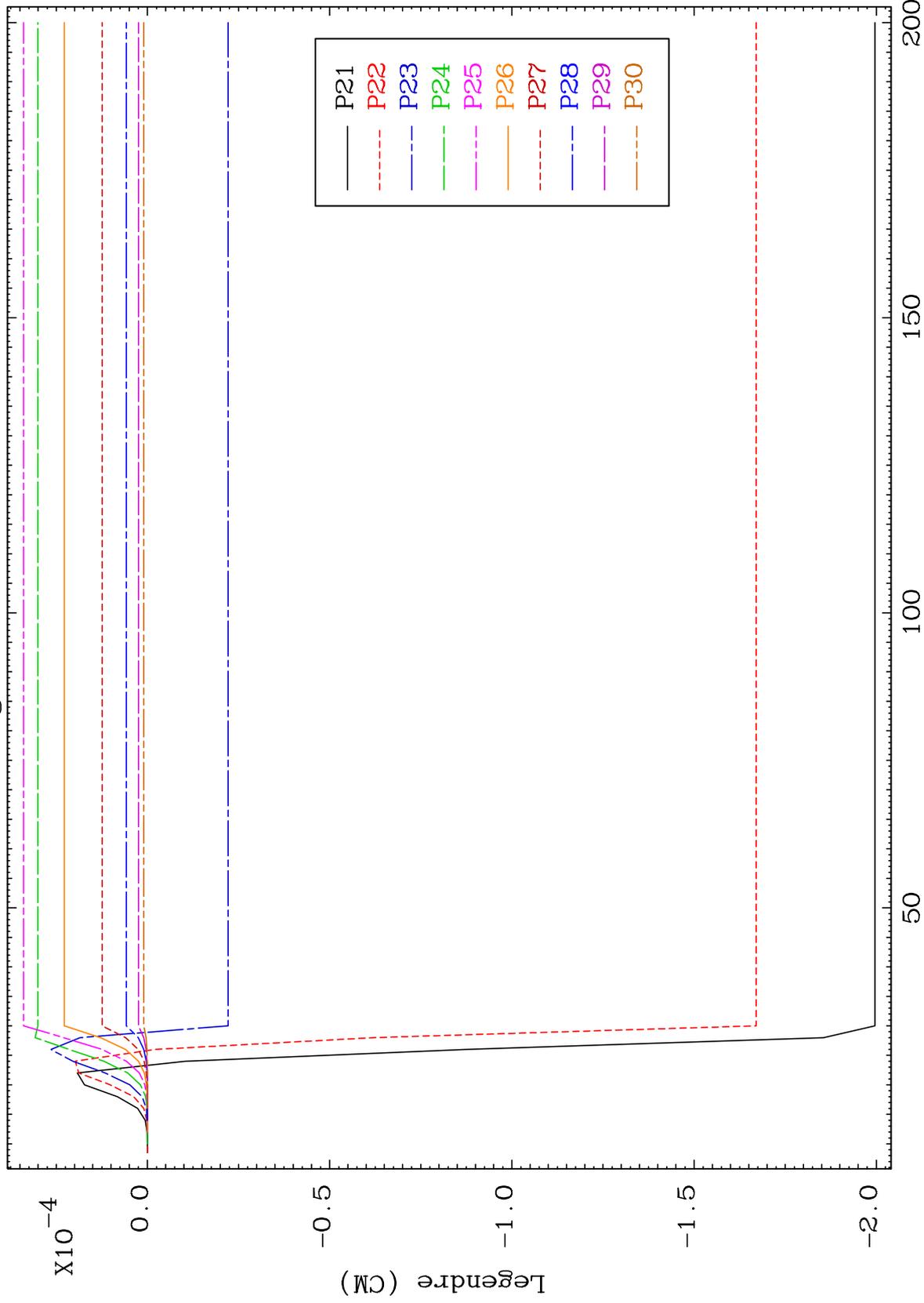
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



76

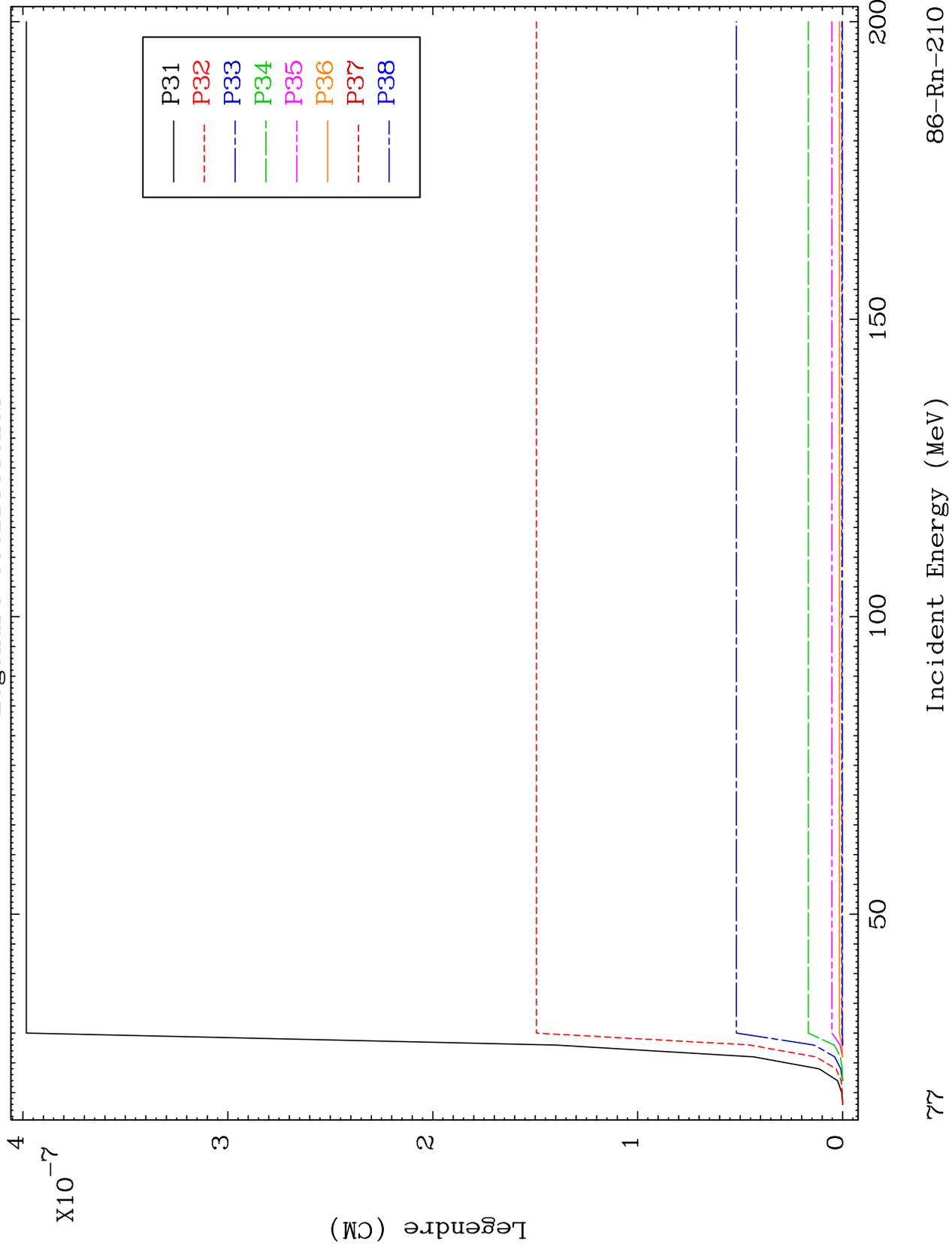
Incident Energy (MeV)

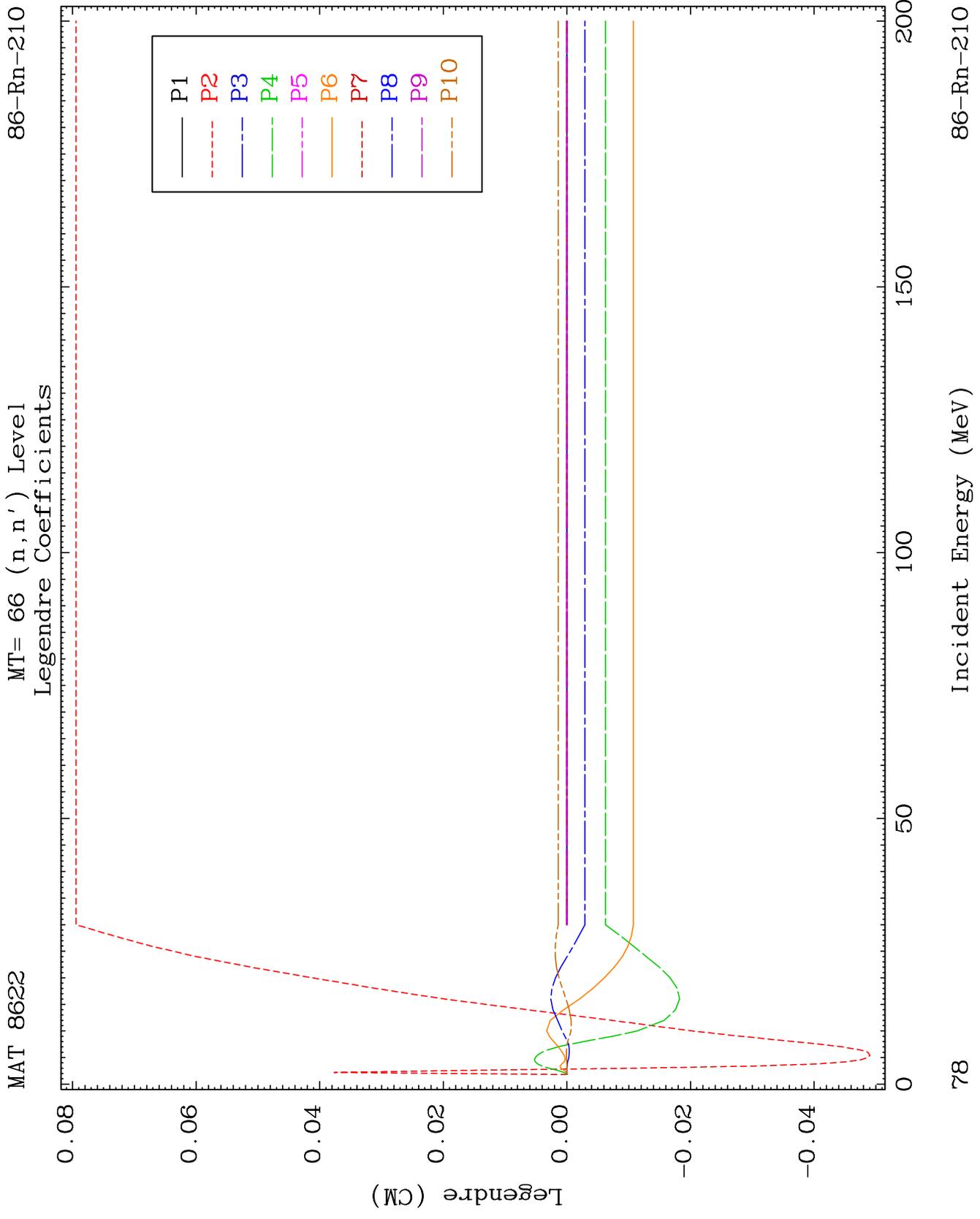
86-Rn-210

MAT 8622

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

86-Rn-210

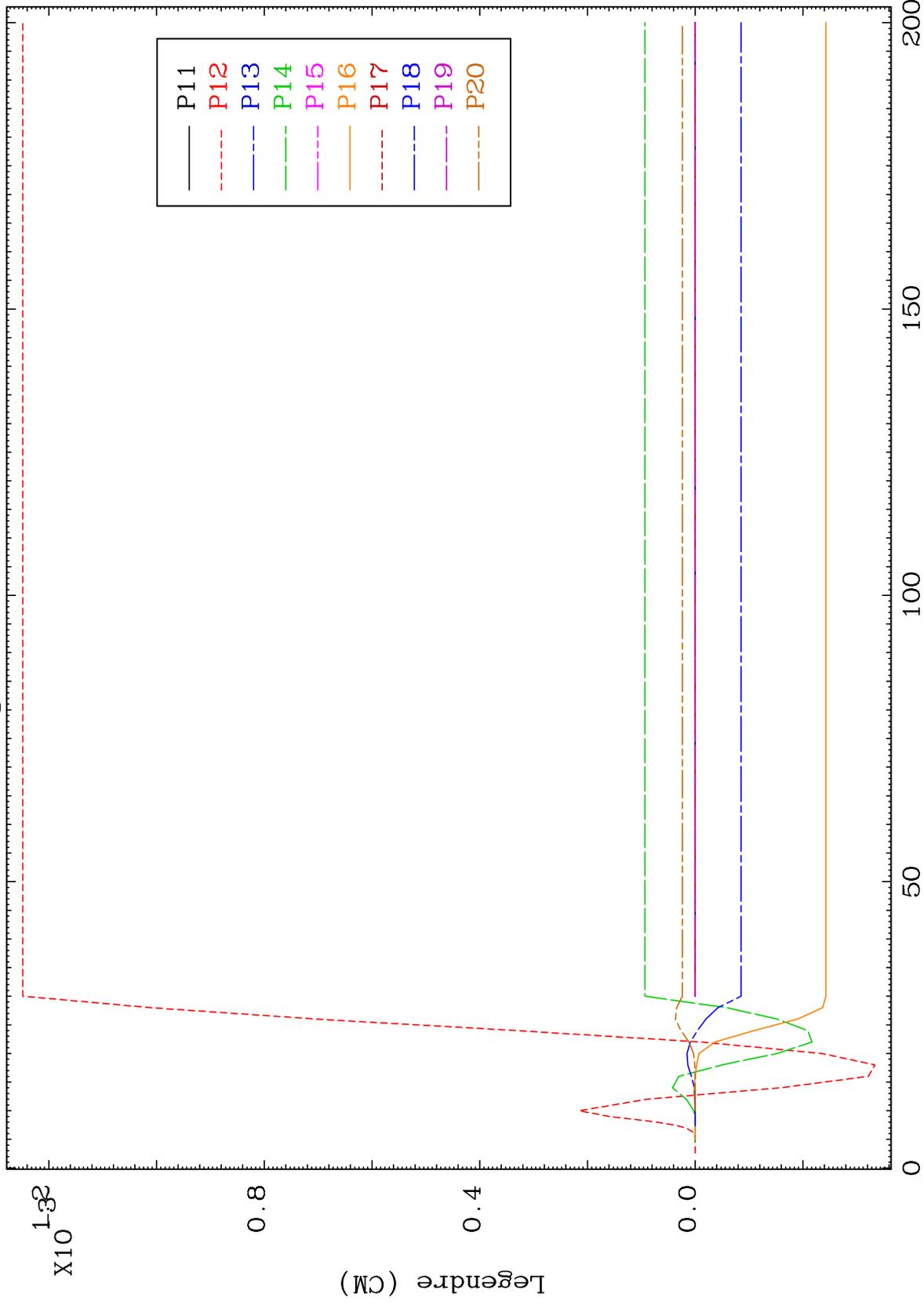




MAT 8622

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

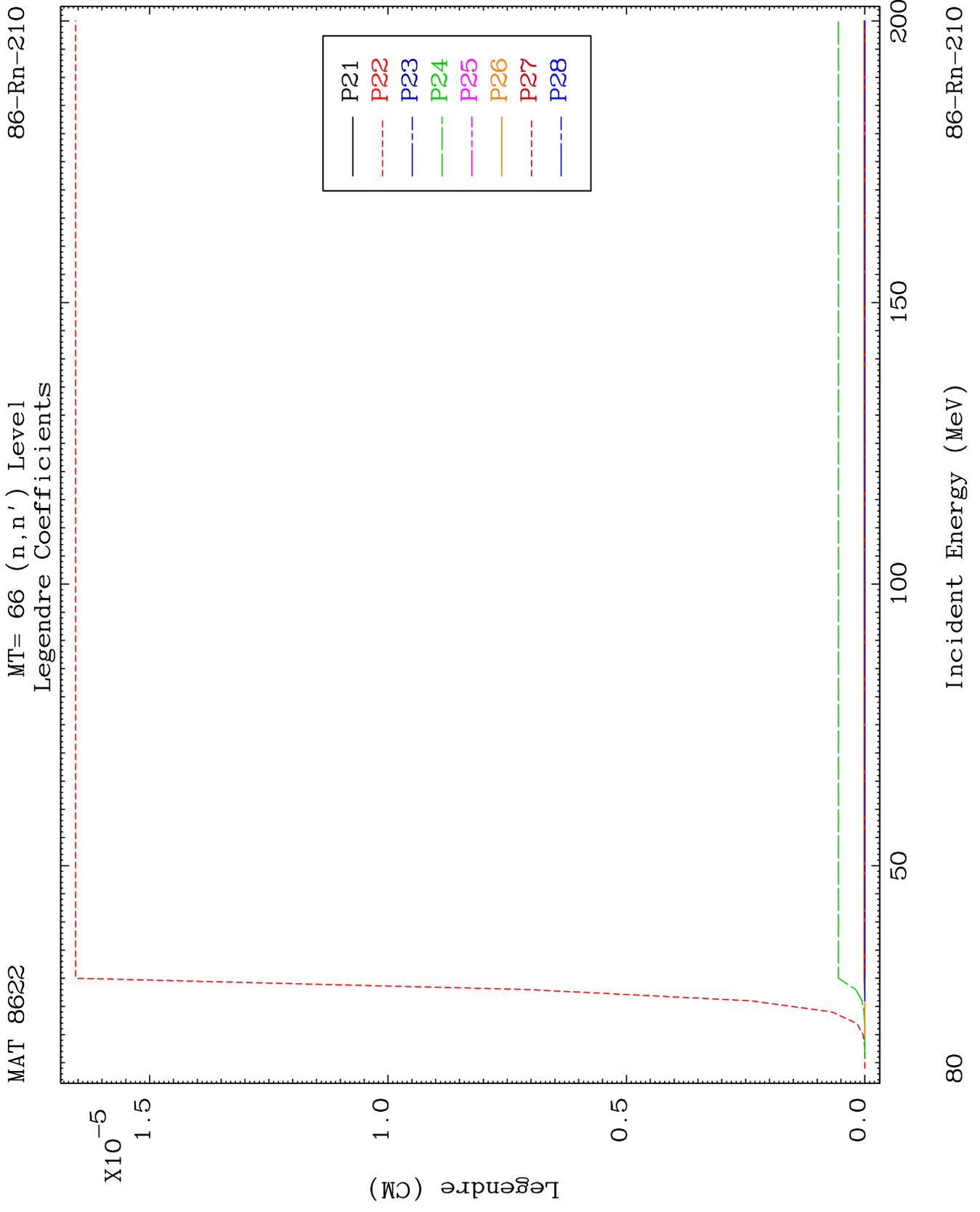
86-Rn-210



79

Incident Energy (MeV)

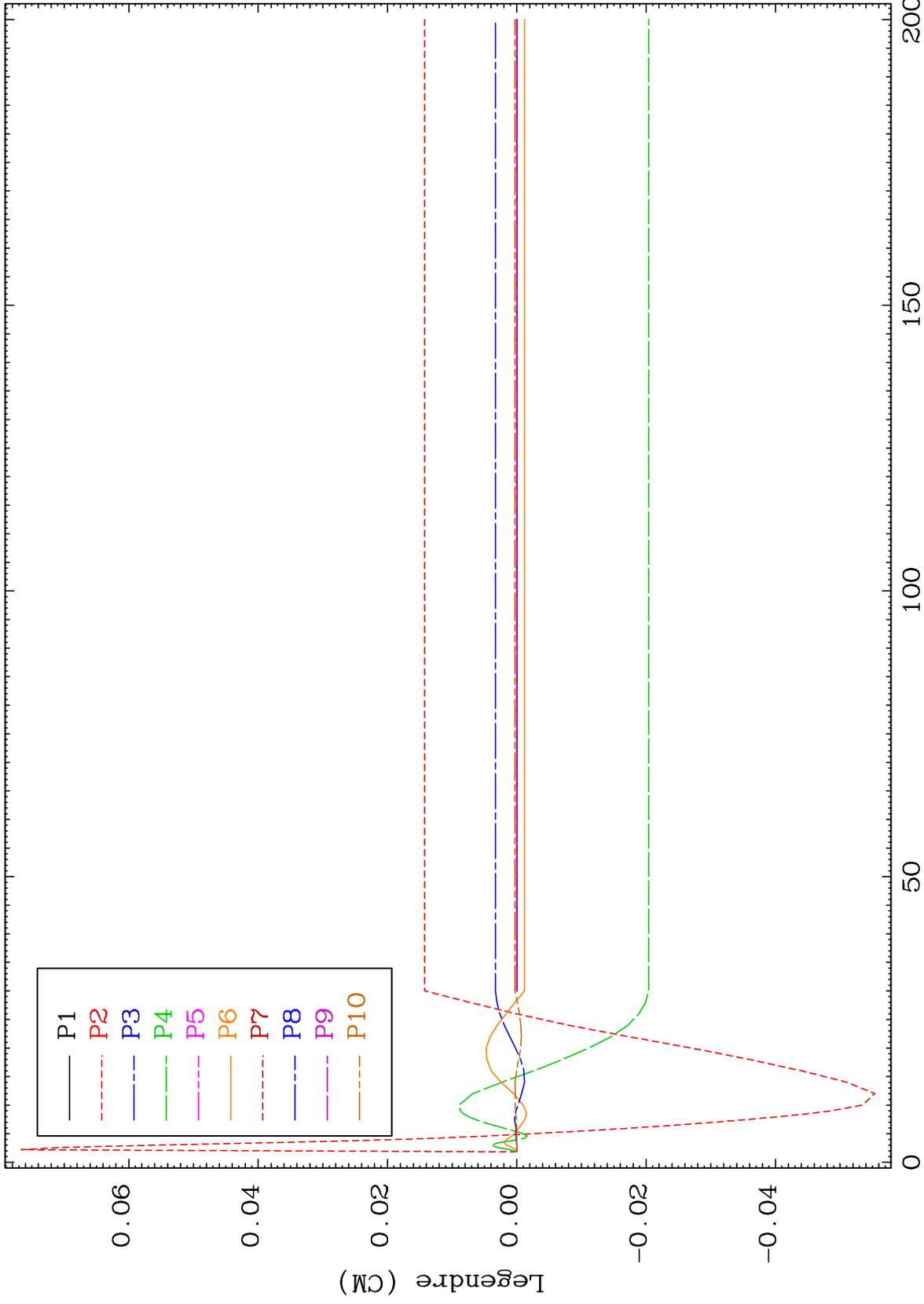
86-Rn-210



MAT 86222

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

86-Rn-210



81

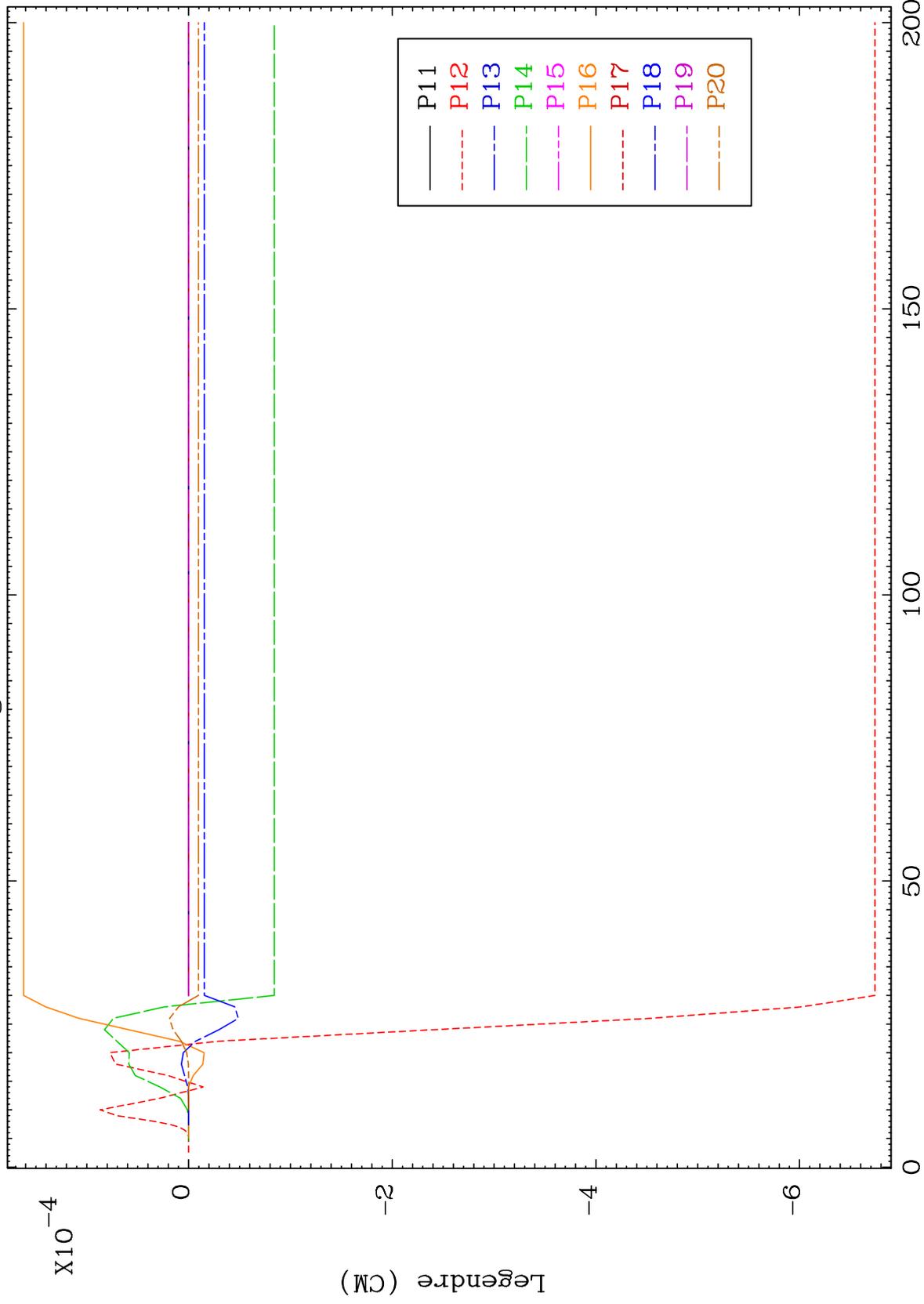
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

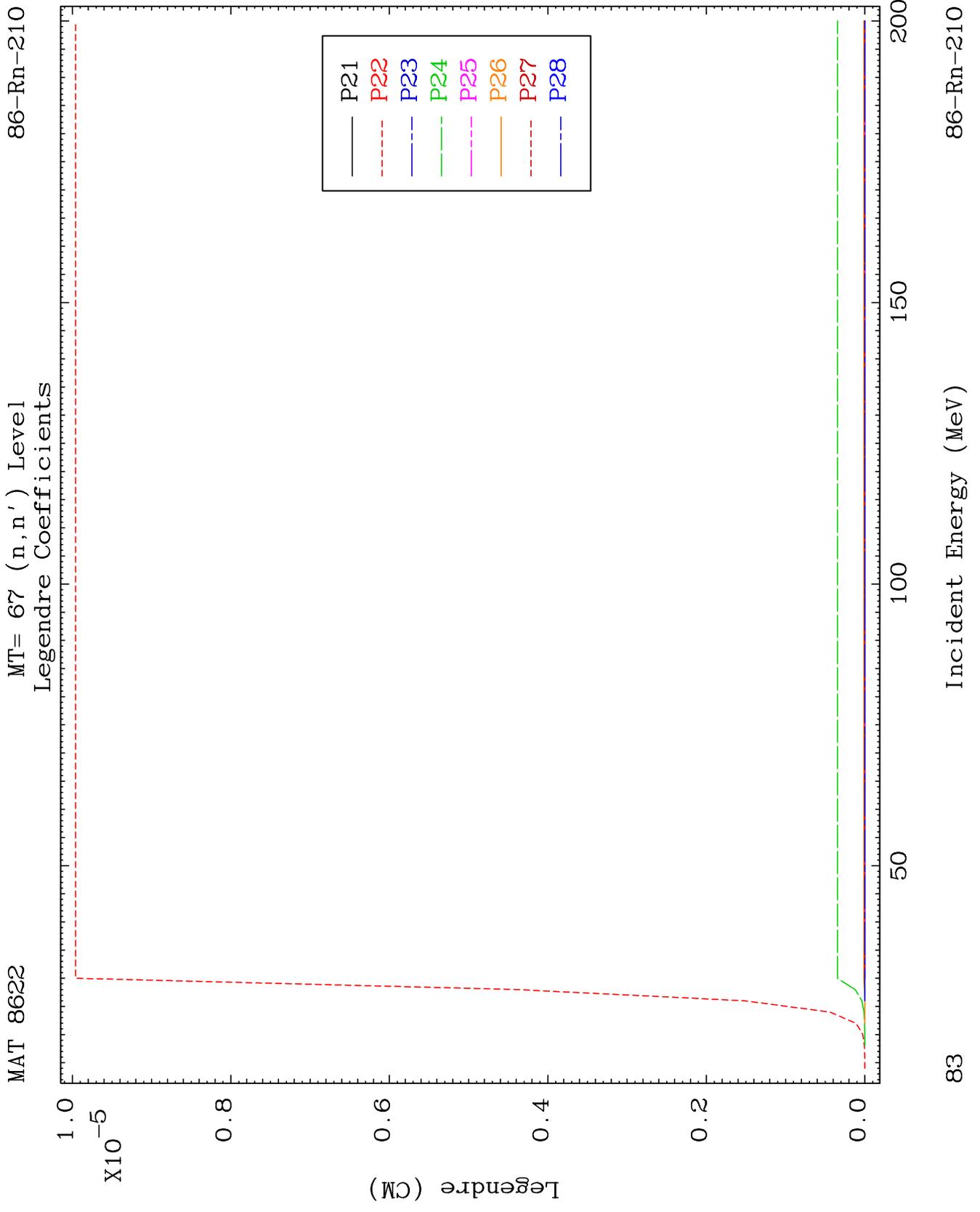
86-Rn-210



82

Incident Energy (MeV)

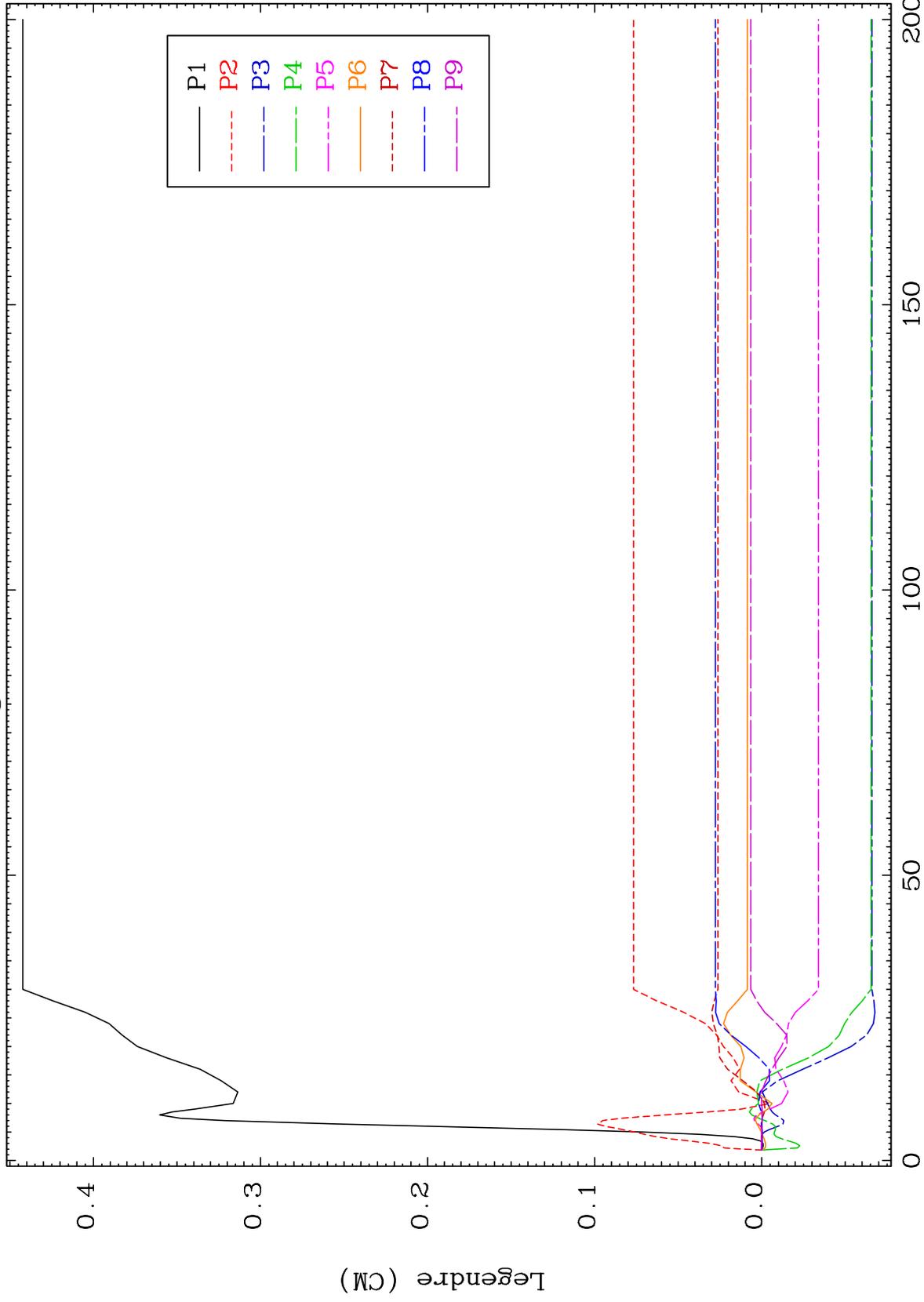
86-Rn-210



MAT 86222

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

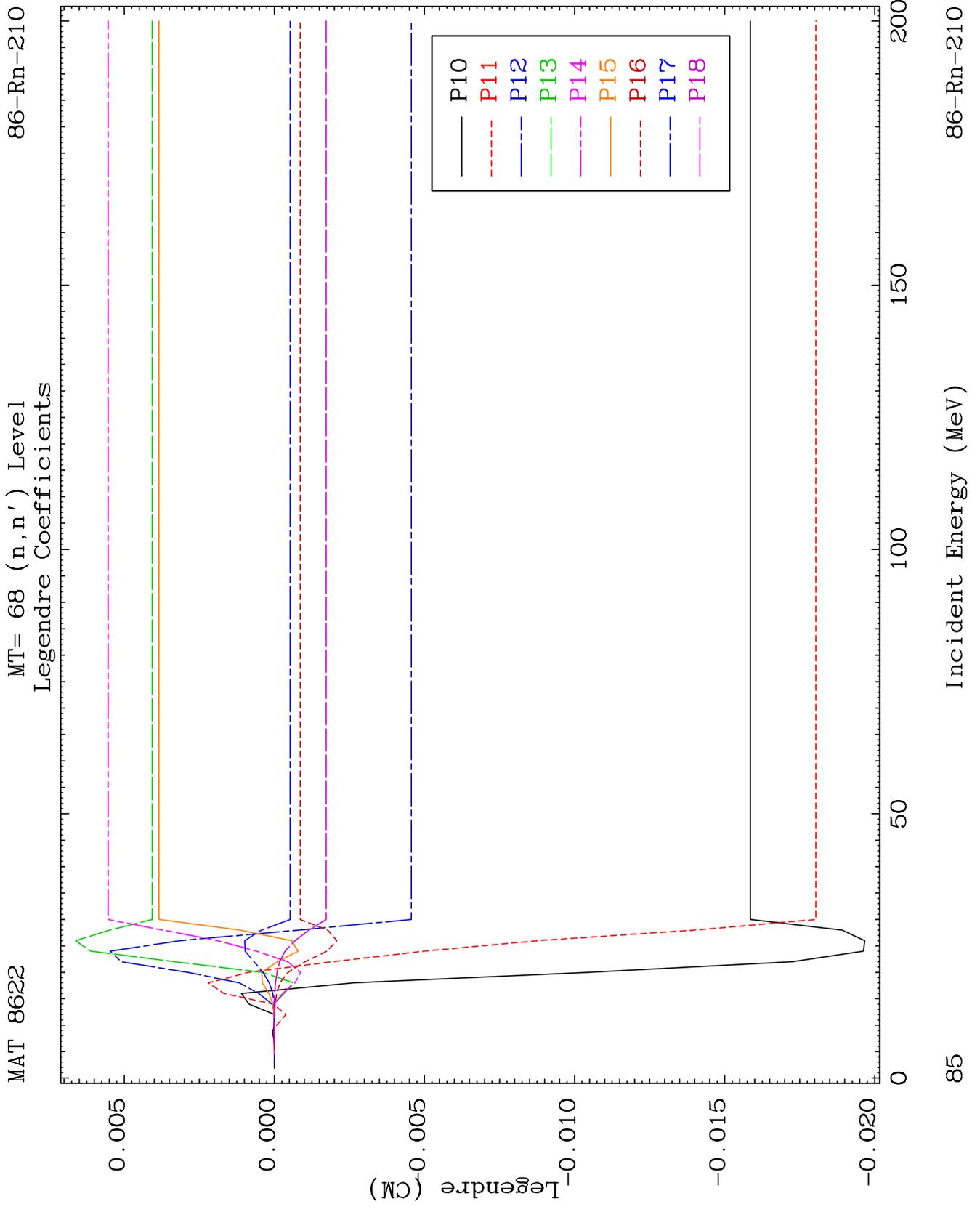
86-Rn-210



84

Incident Energy (MeV)

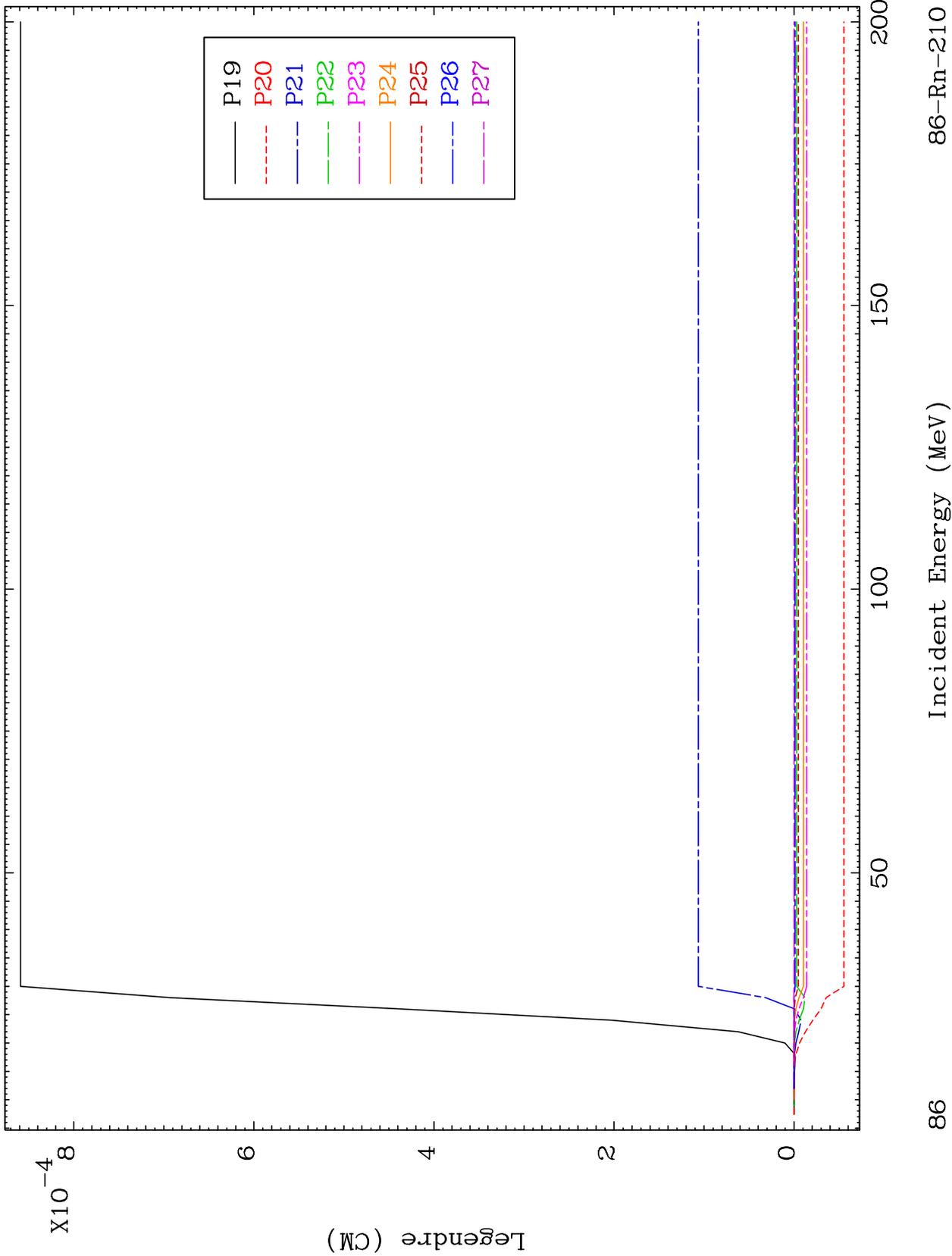
86-Rn-210



MAT 86222

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

86-Rn-210



86

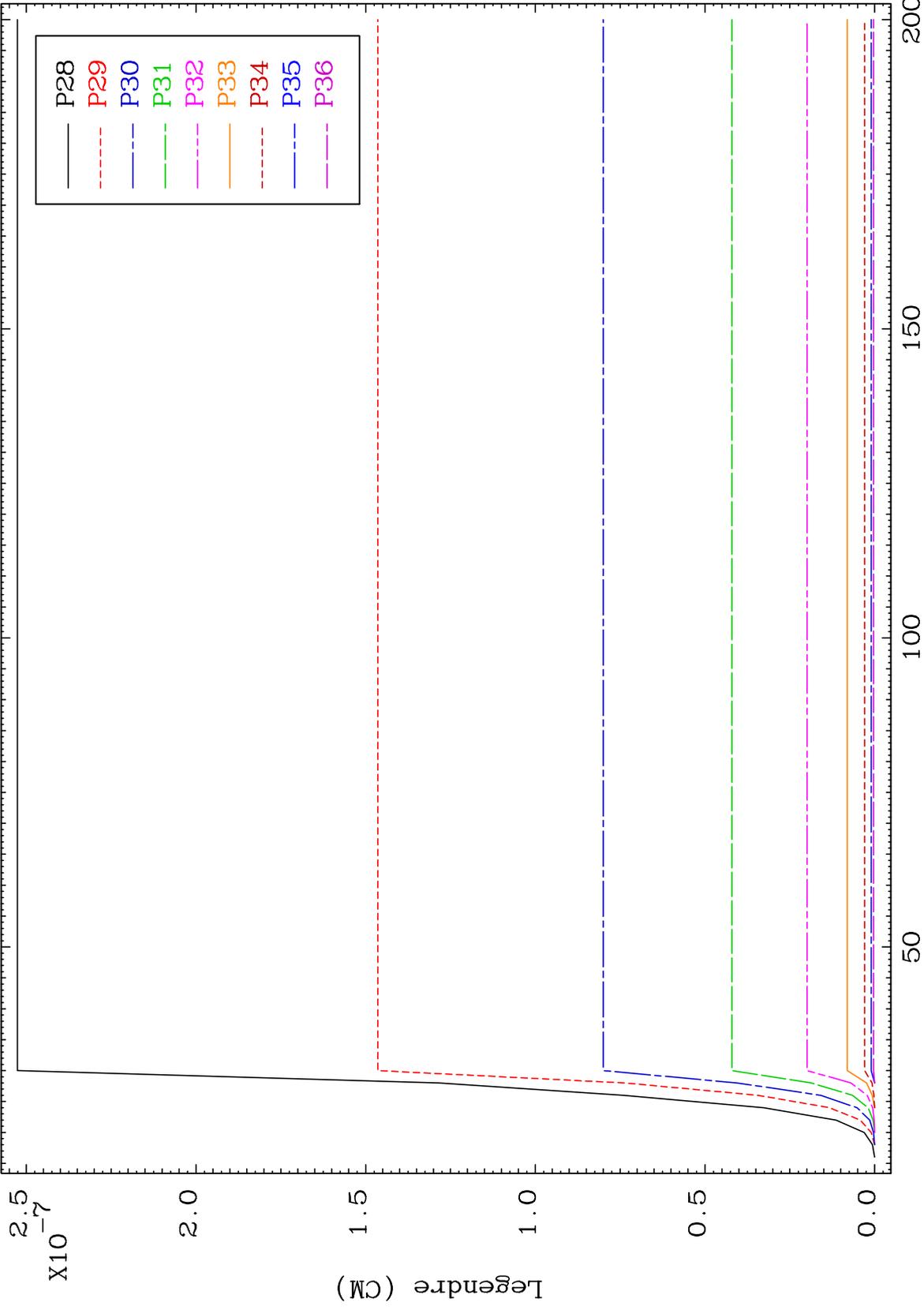
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

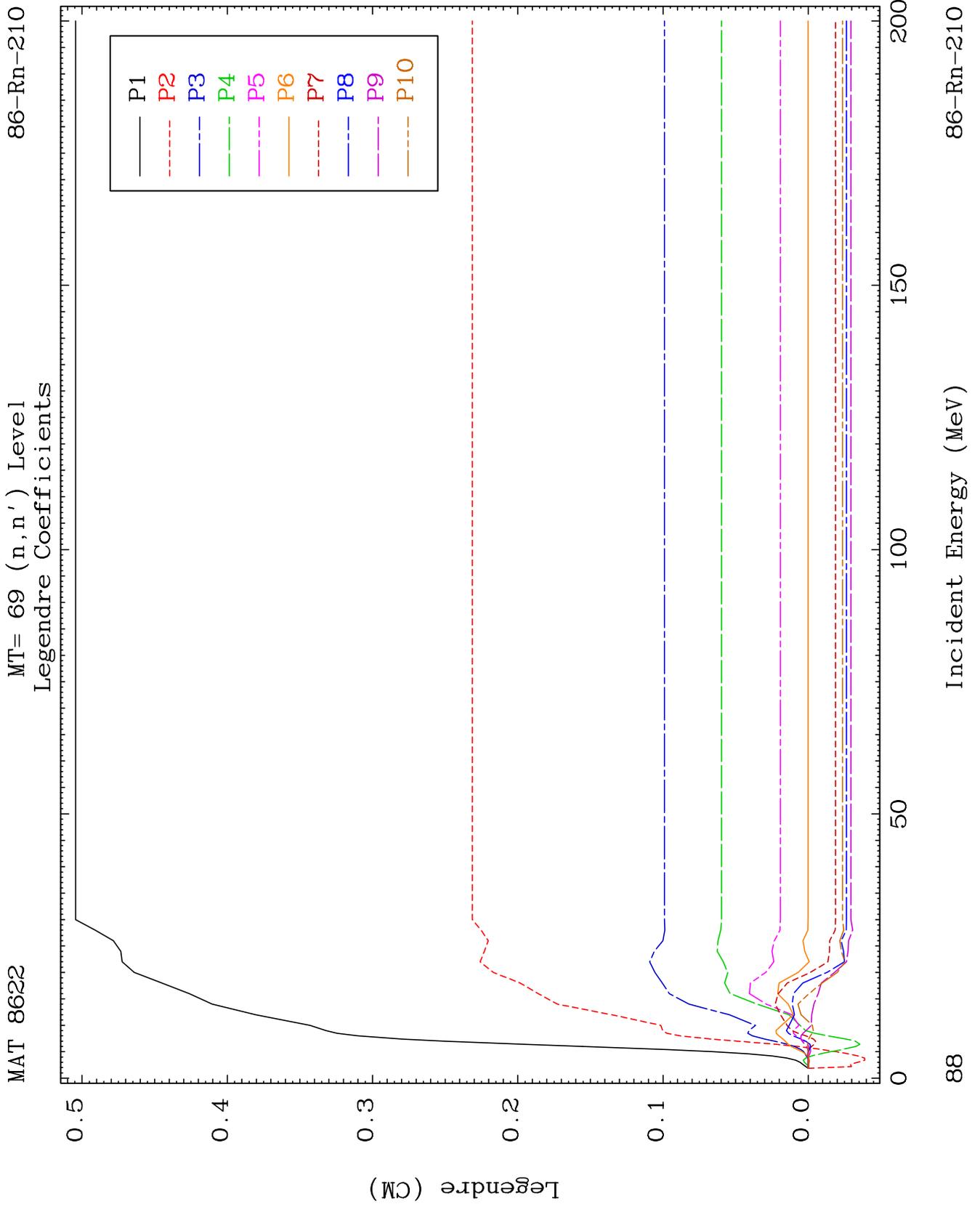
86-Rn-210



87

Incident Energy (MeV)

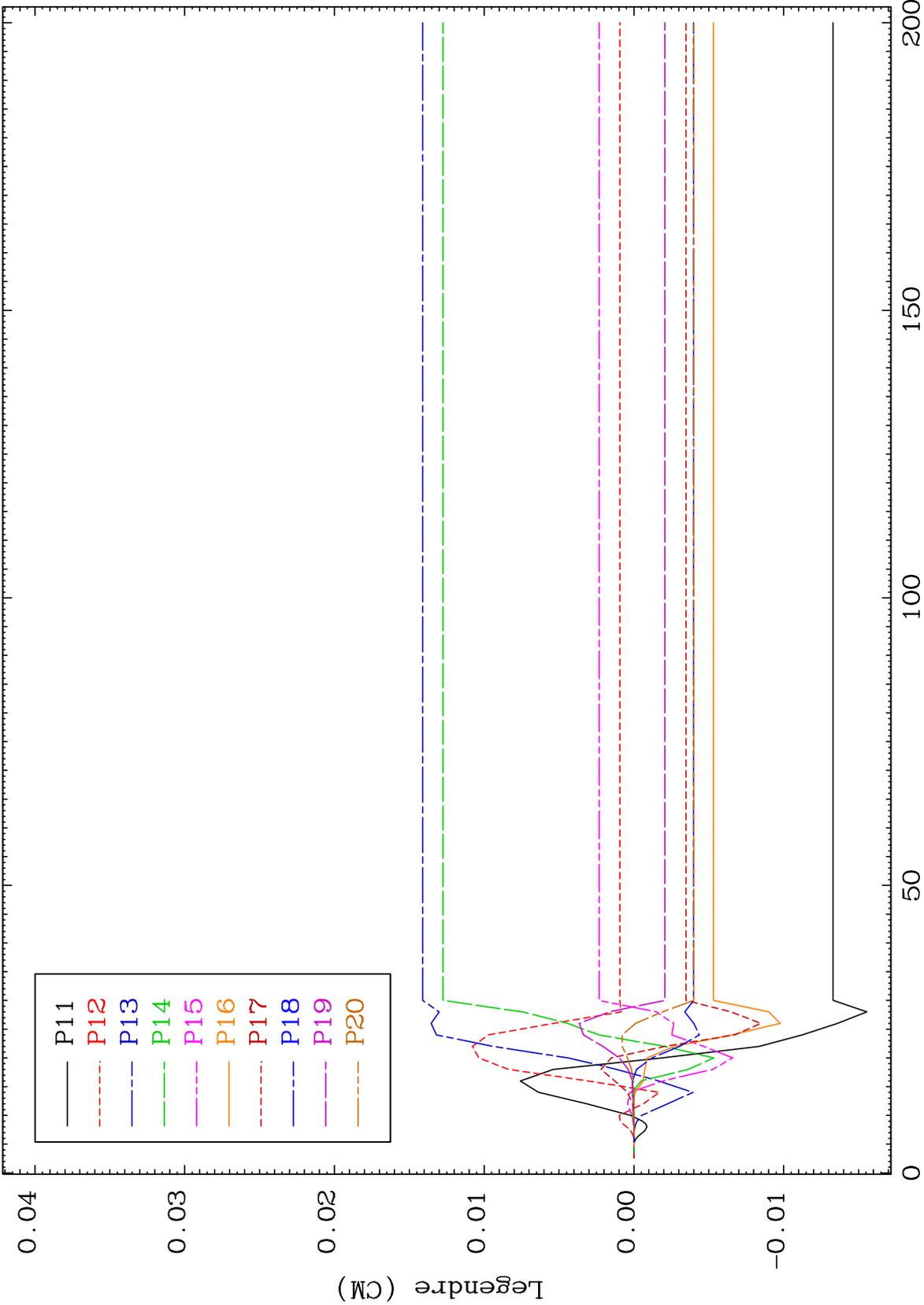
86-Rn-210



MAT 86222

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

86-Rn-210



89

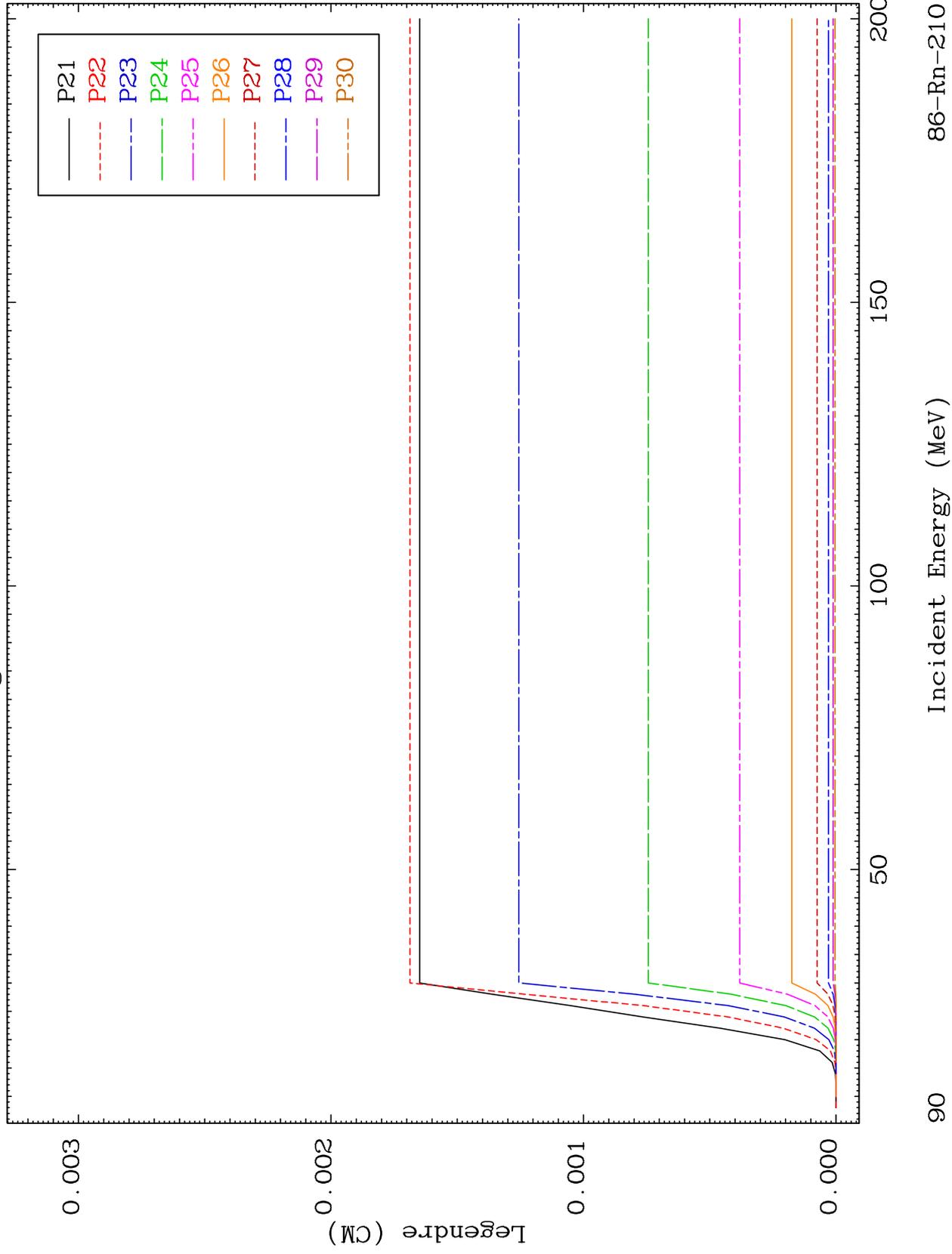
Incident Energy (MeV)

86-Rn-210

MAT 8622

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

86-Rn-210



86-Rn-210

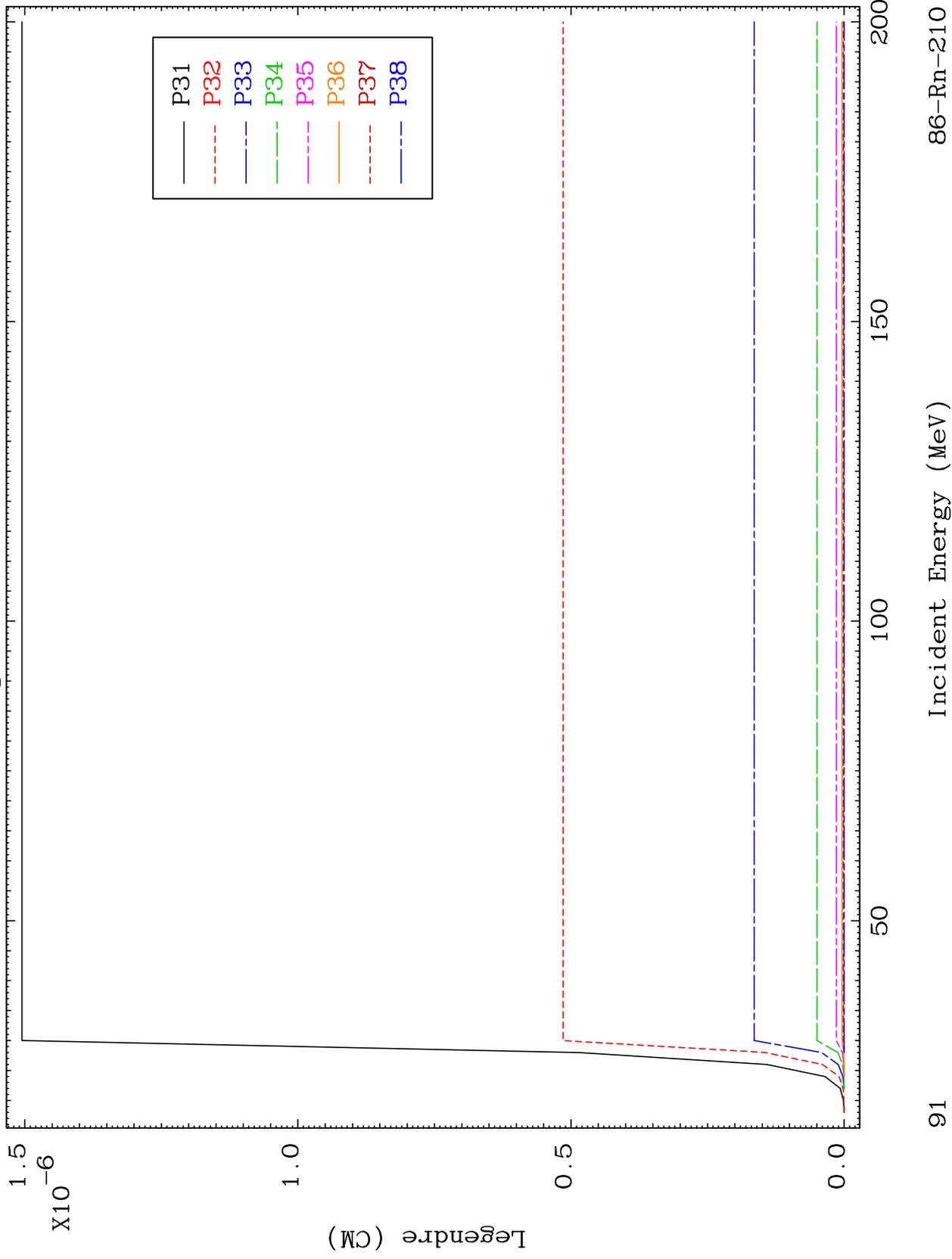
Incident Energy (MeV)

90

MAT 86222

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

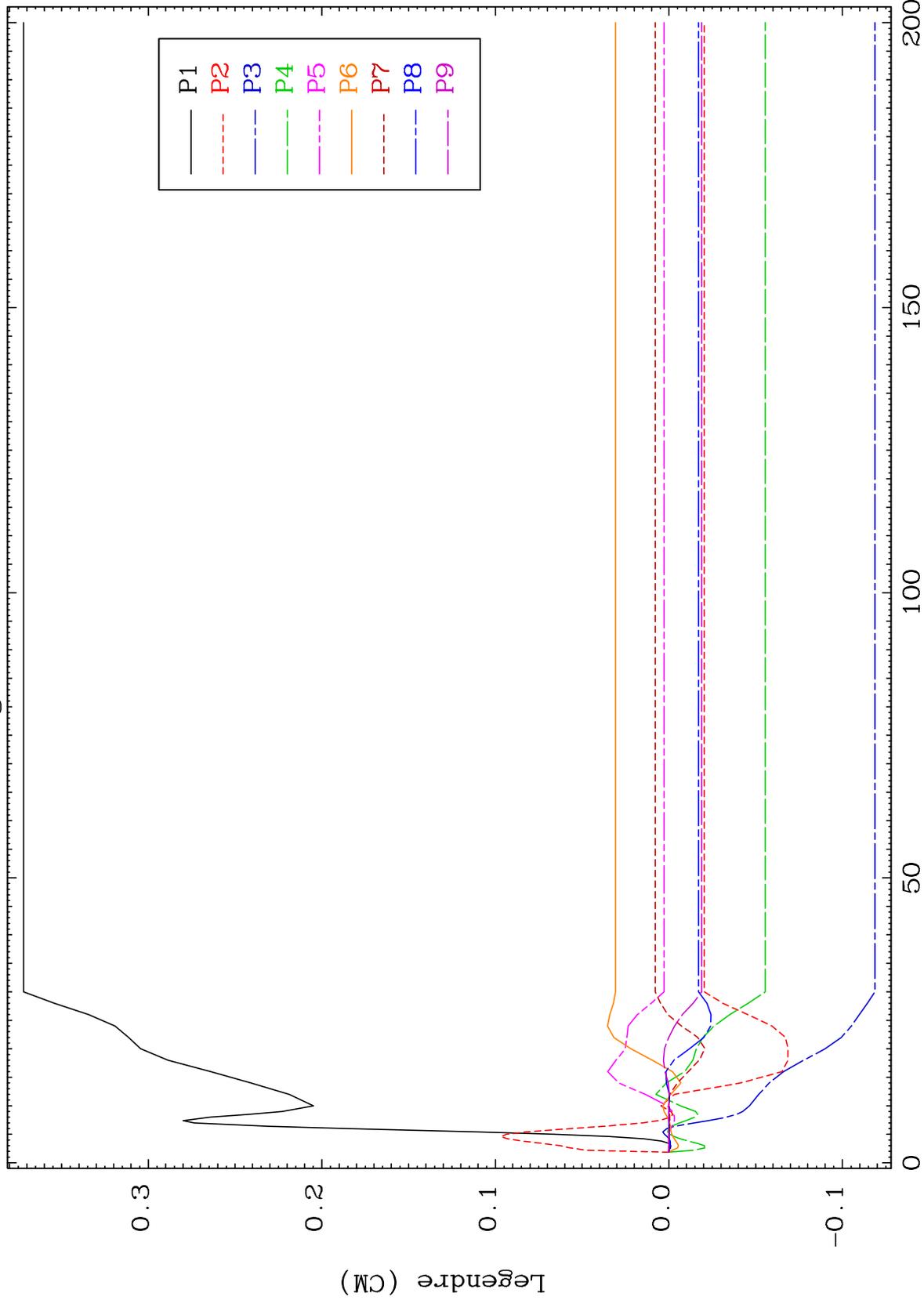
86-Rn-210



MAT 86222

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

86-Rn-210



92

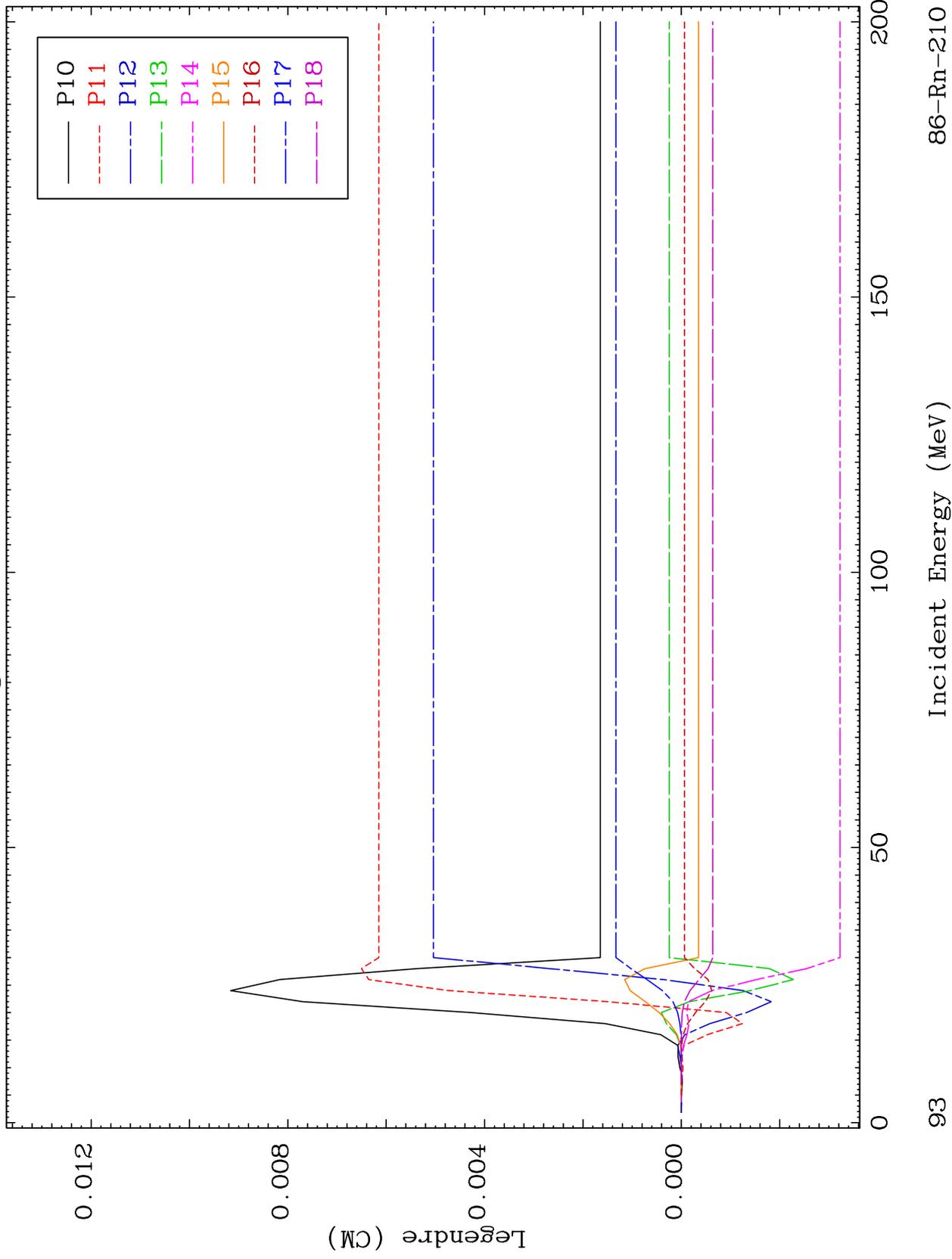
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



93

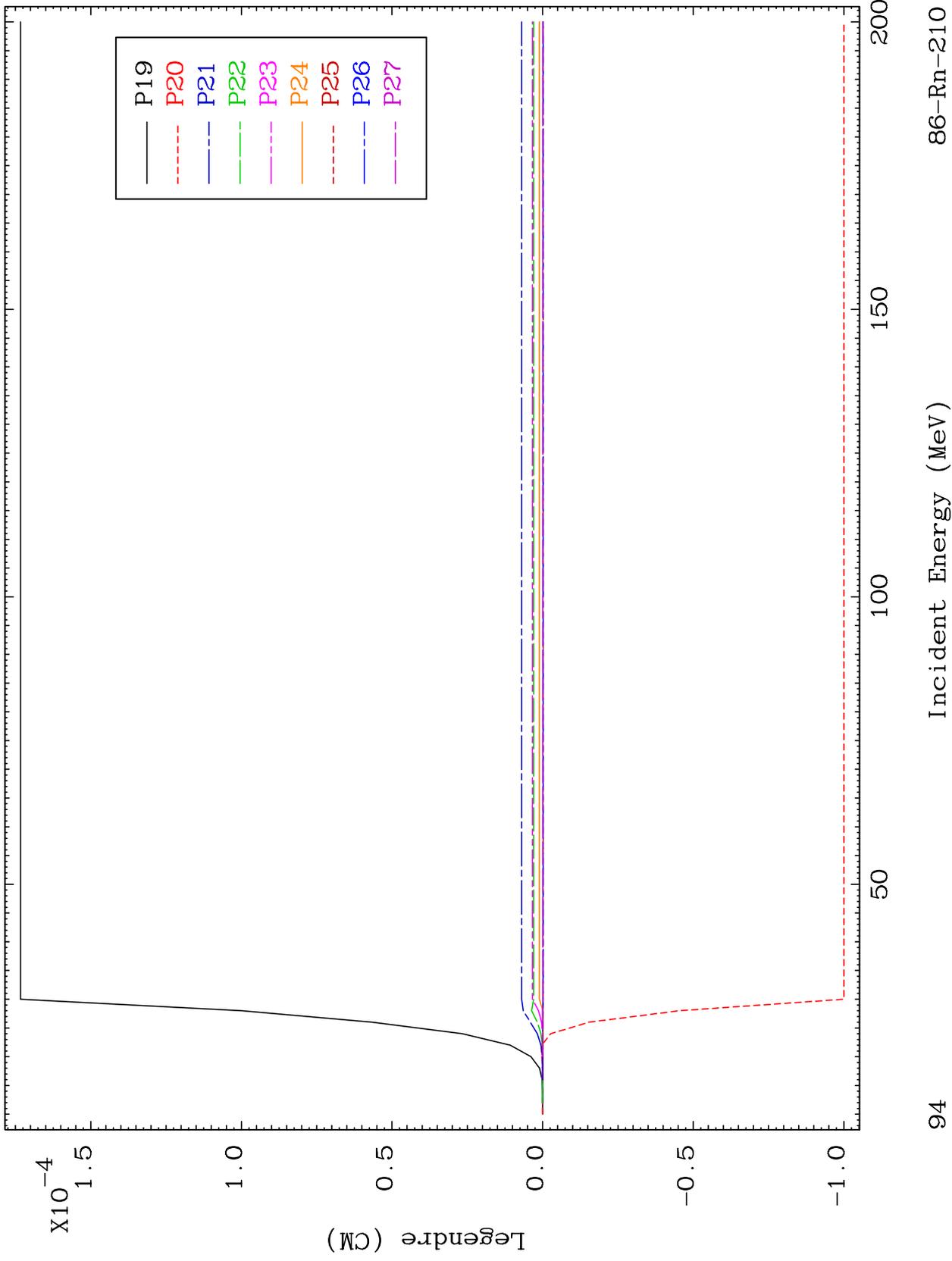
Incident Energy (MeV)

86-Rn-210

MAT 8622

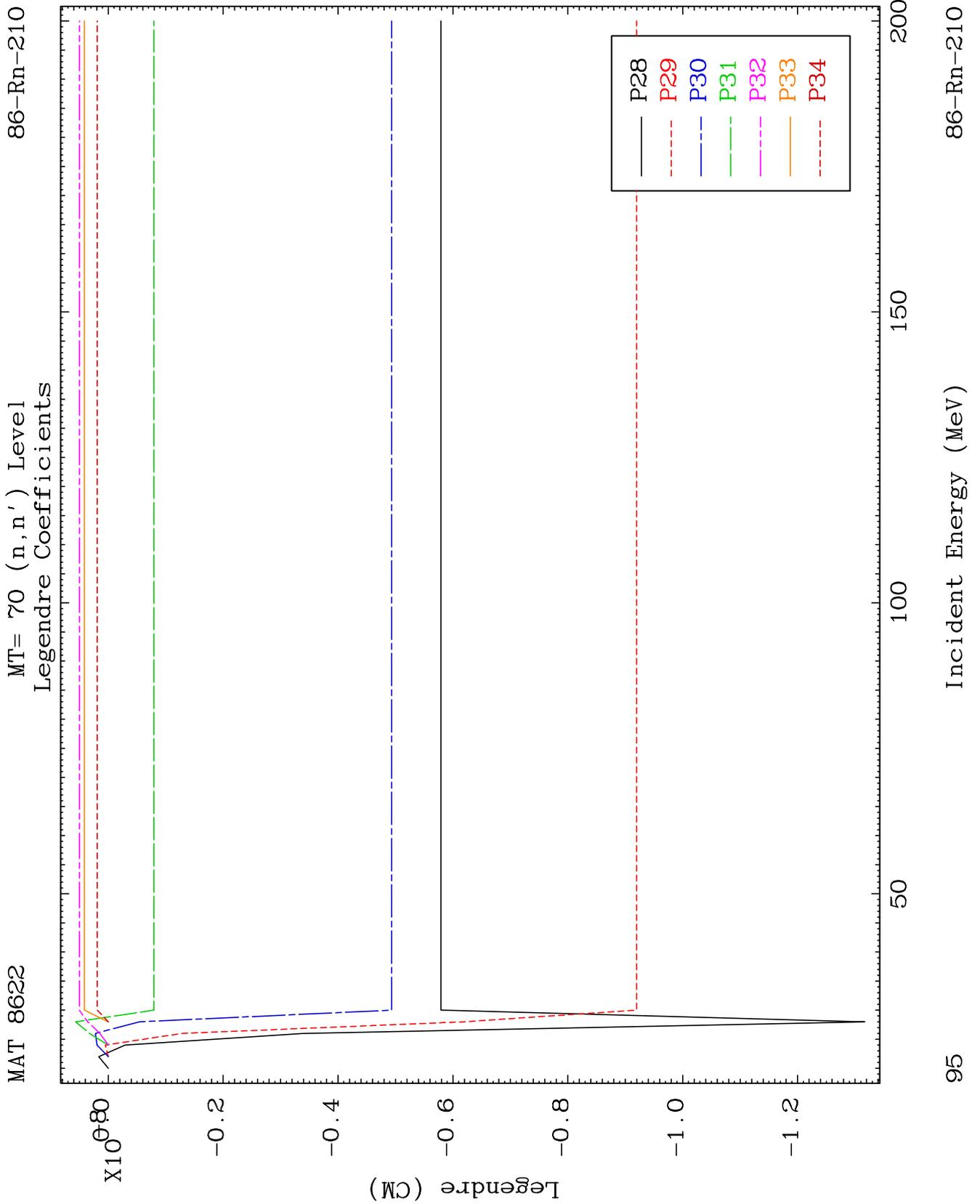
MT= 70 (n,n') Level  
Legendre Coefficients

86-Rn-210



94

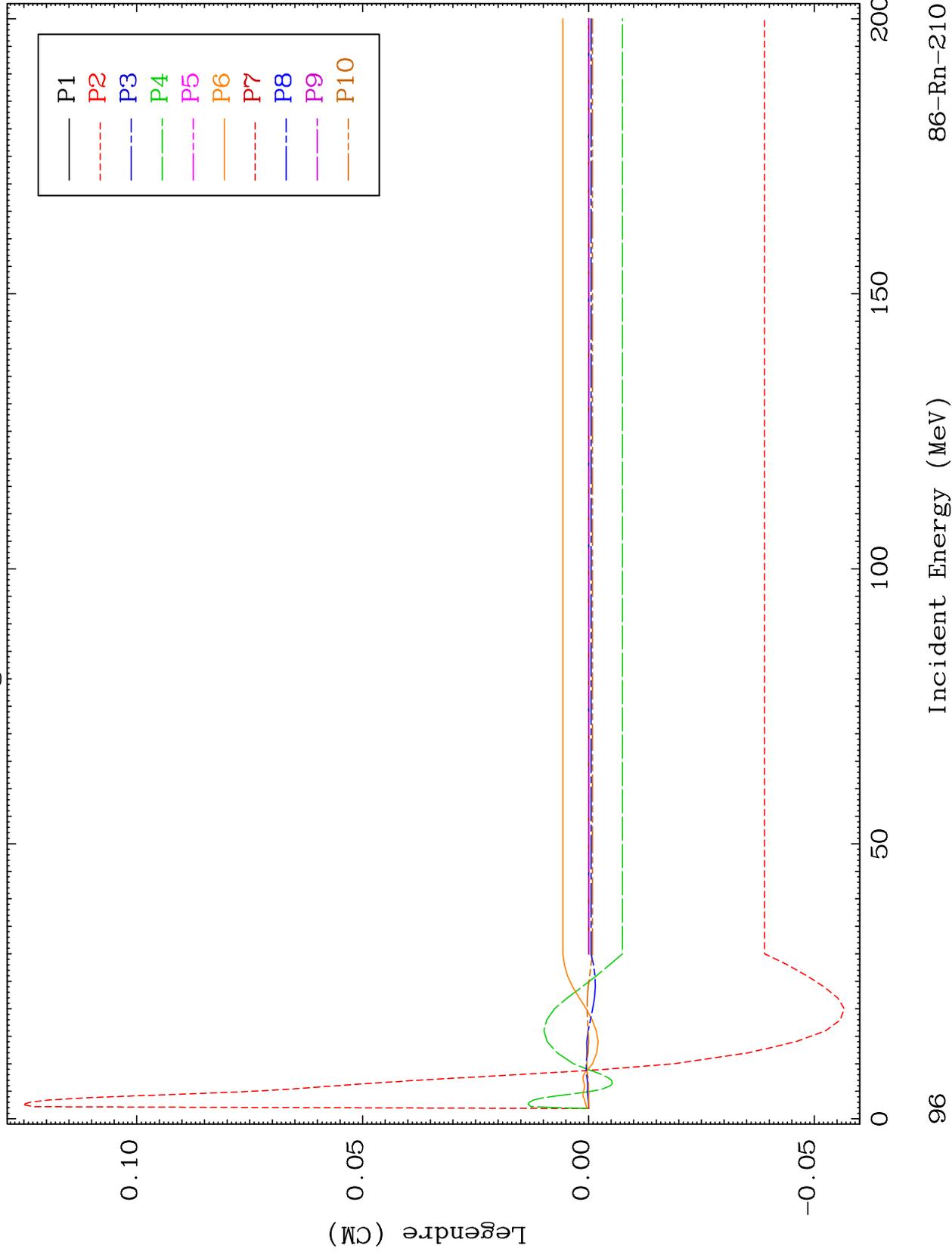
86-Rn-210



MAT 86222

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

86-Rn-210



86-Rn-210

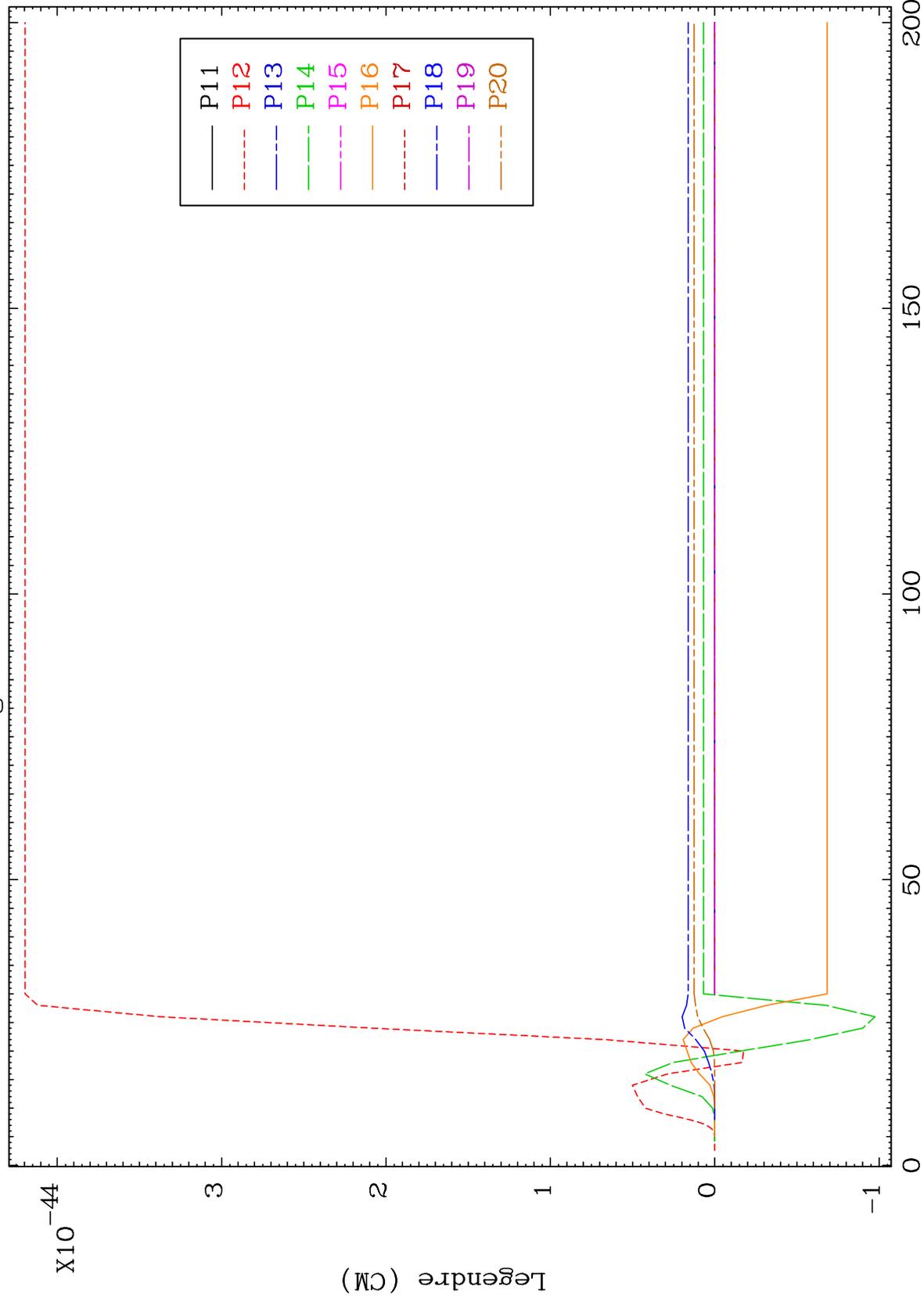
Incident Energy (MeV)

96

MAT 8622

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

86-Rn-210

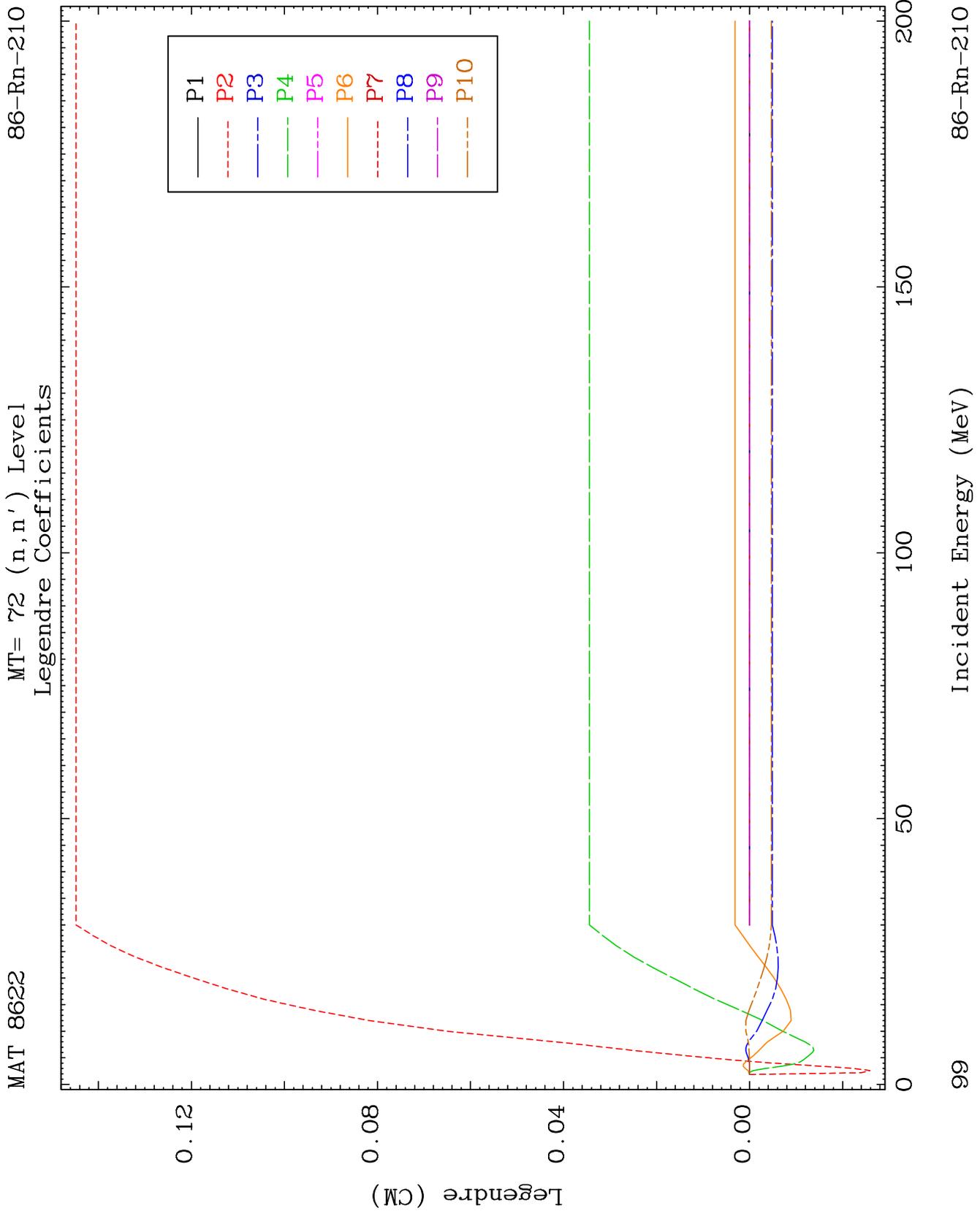


97

Incident Energy (MeV)

86-Rn-210

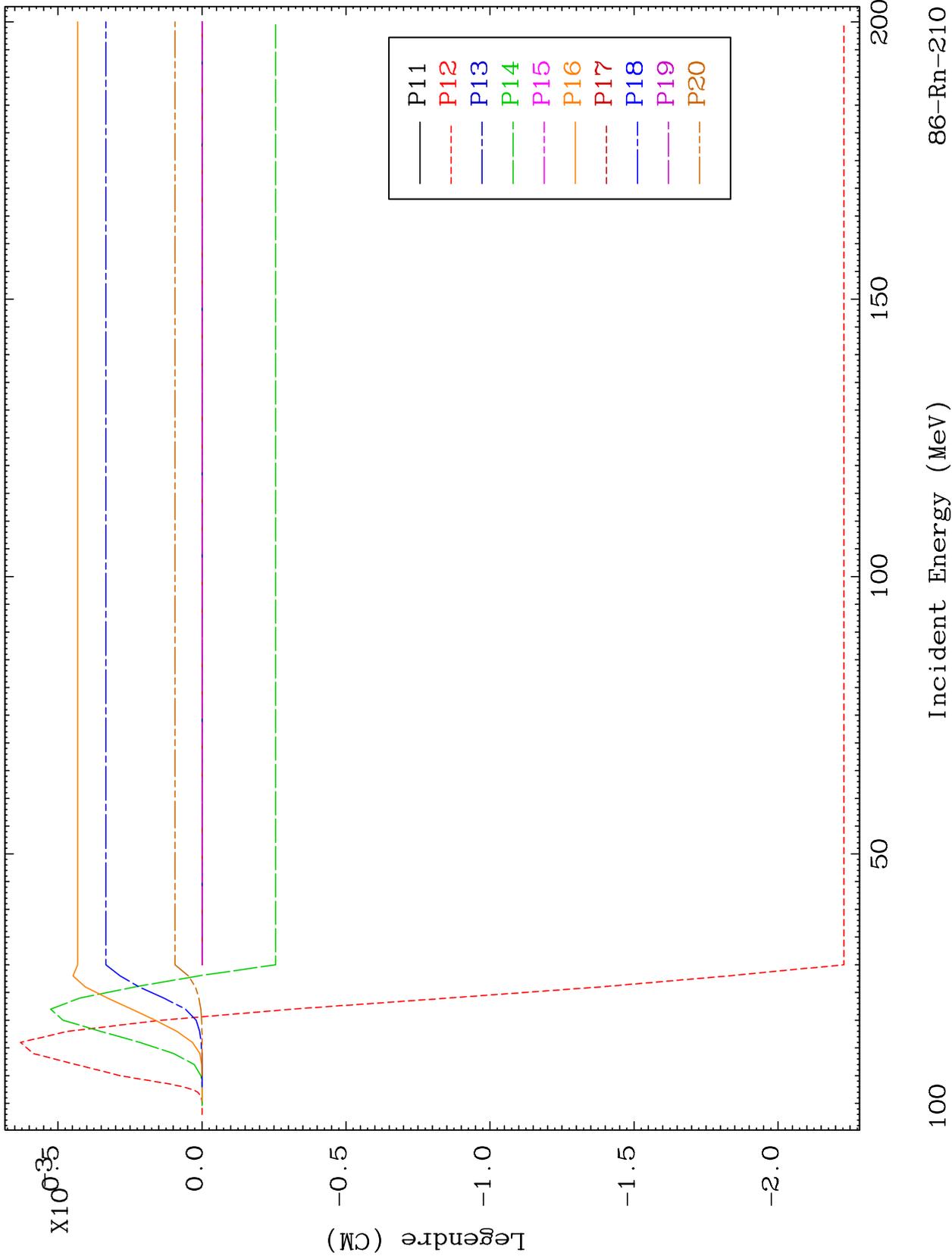




MAT 8622

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

86-Rn-210



86-Rn-210

Incident Energy (MeV)

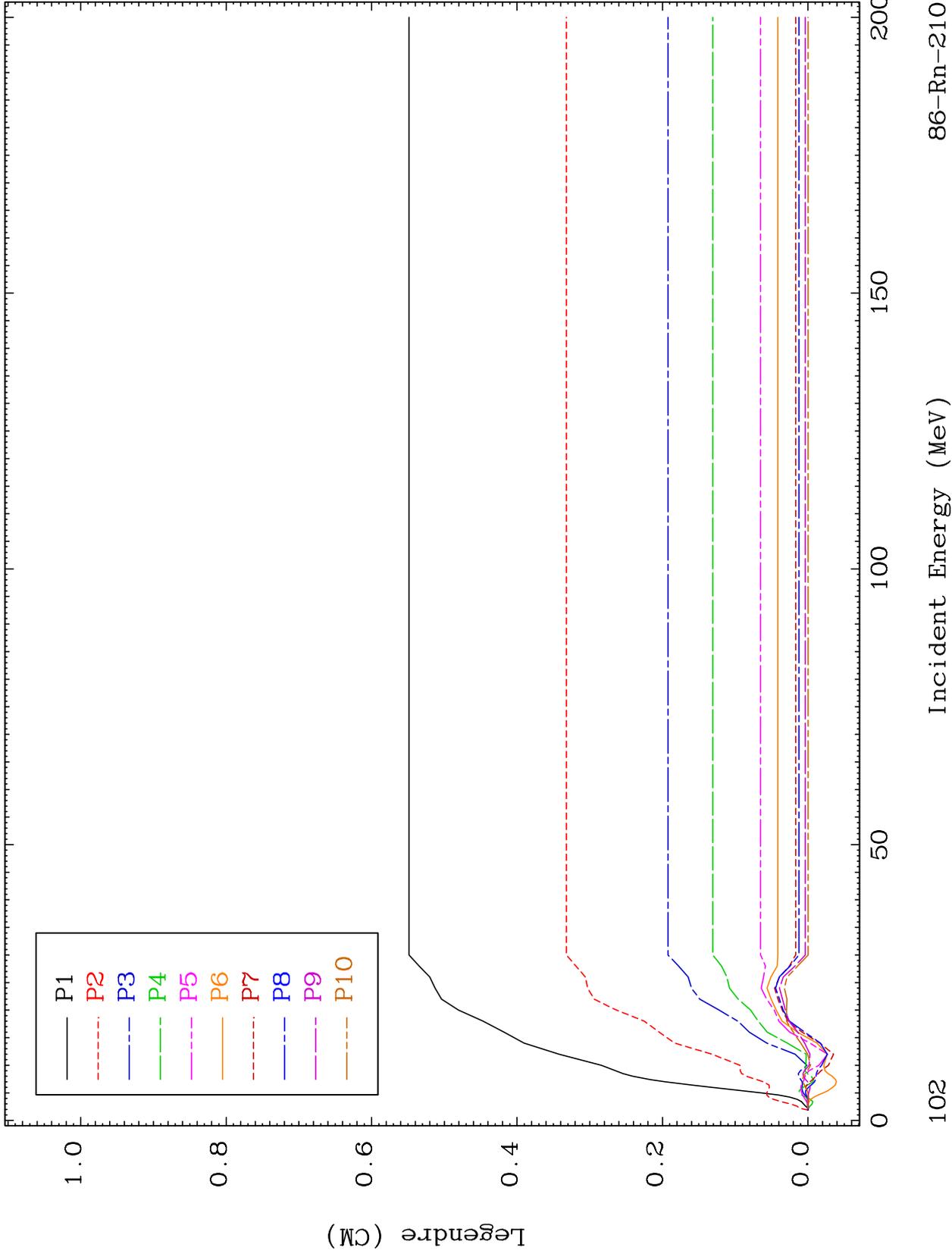
100



MAT 86222

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

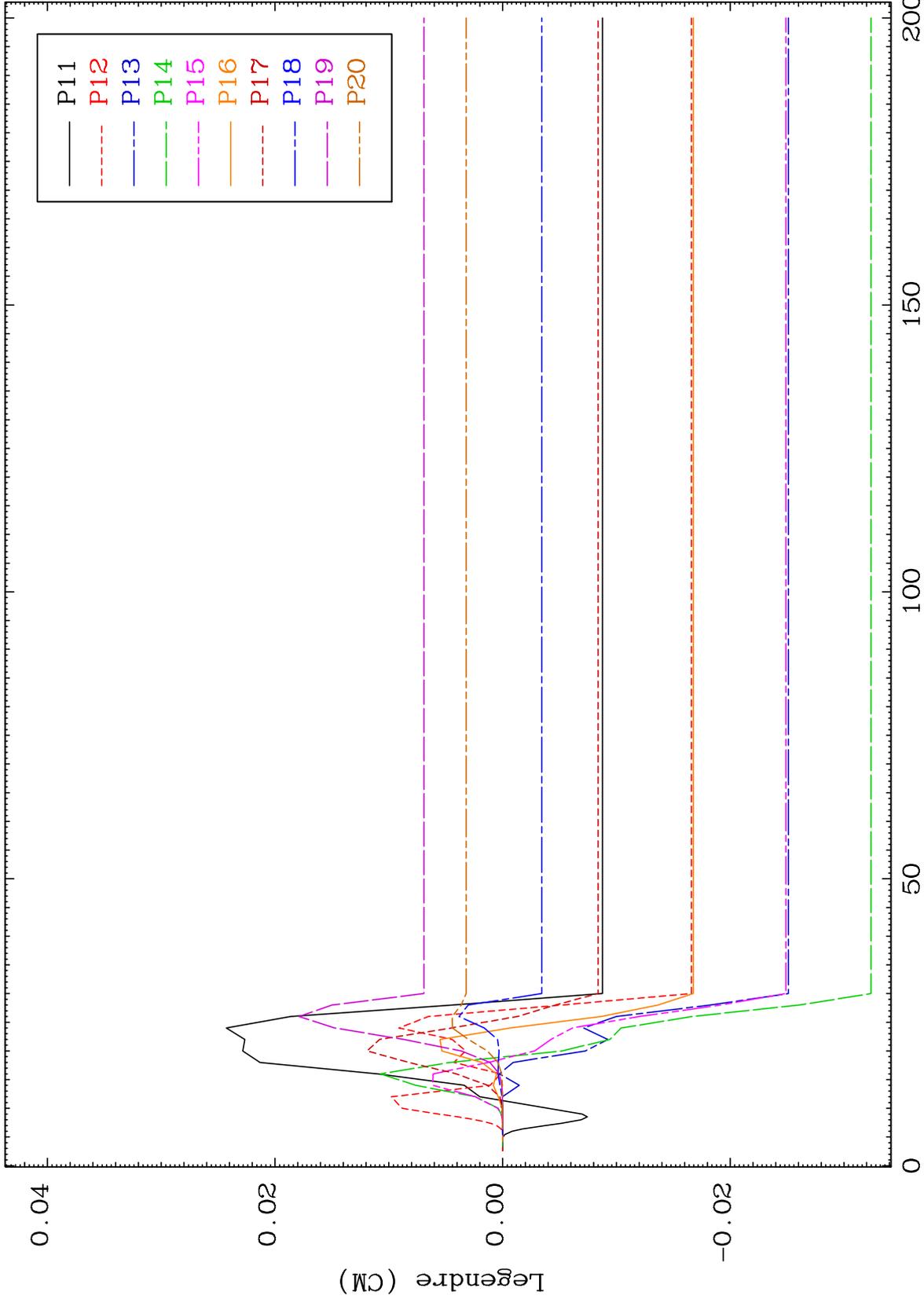
86-Rn-210



MAT 8622

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

86-Rn-210



103

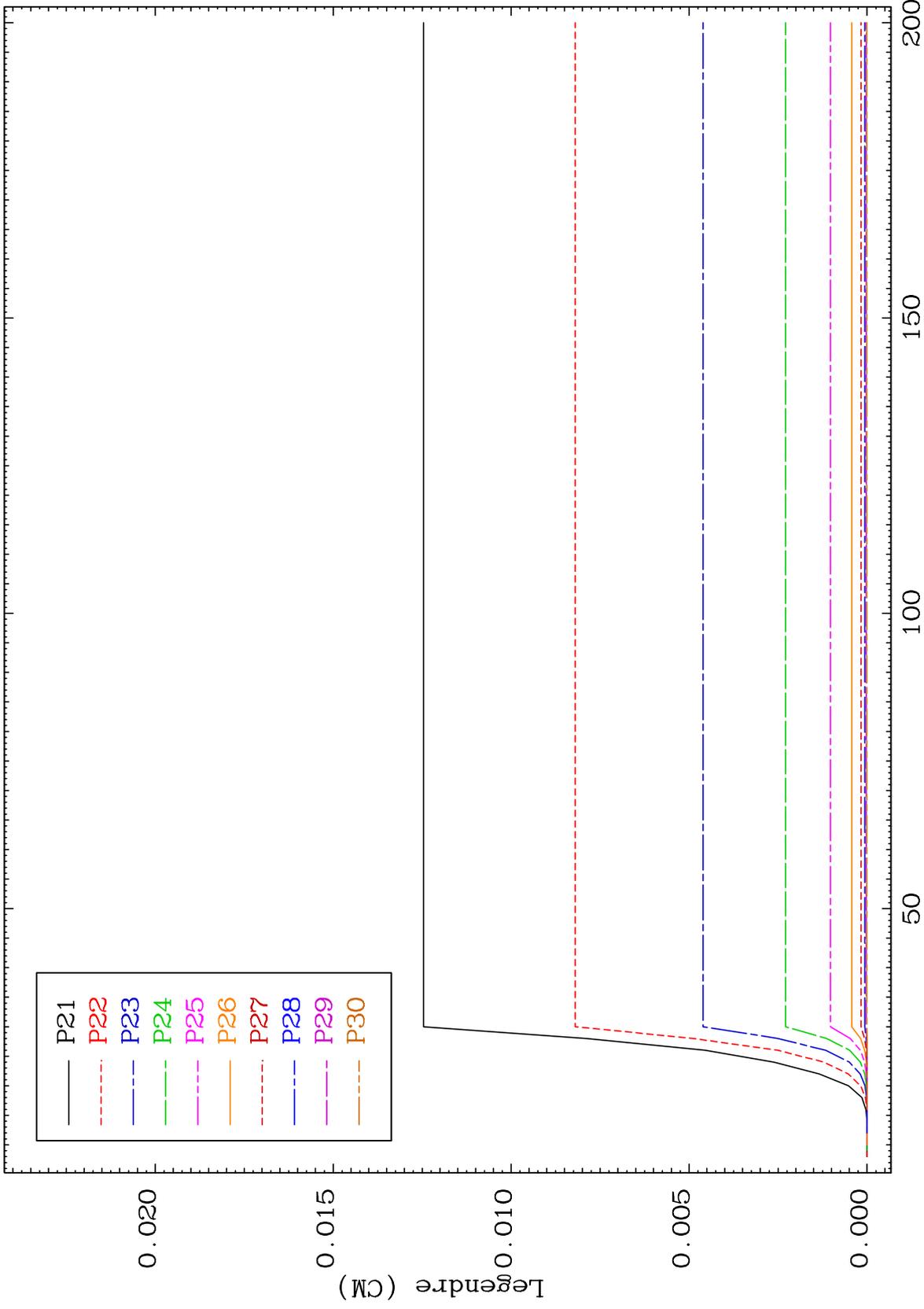
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



104

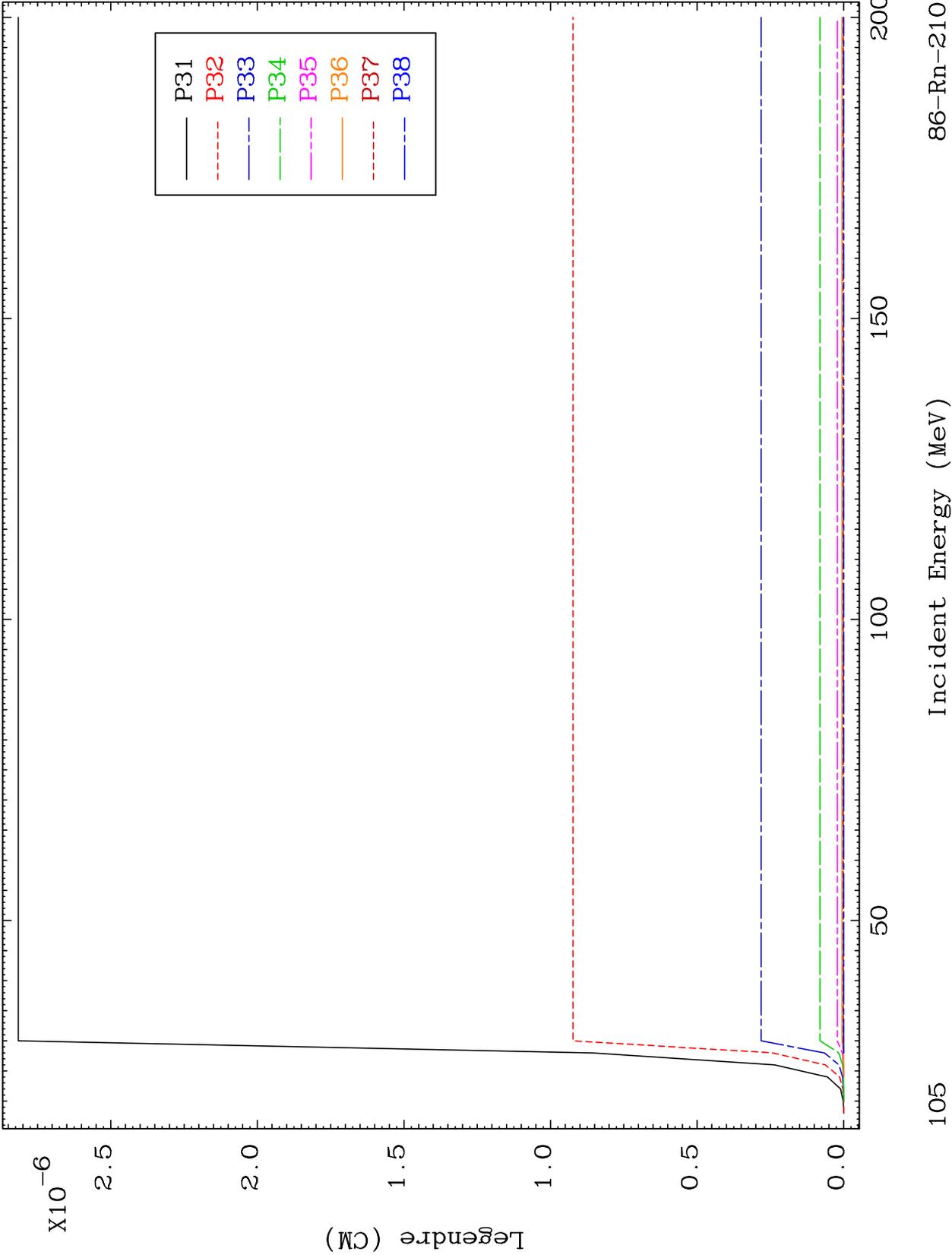
Incident Energy (MeV)

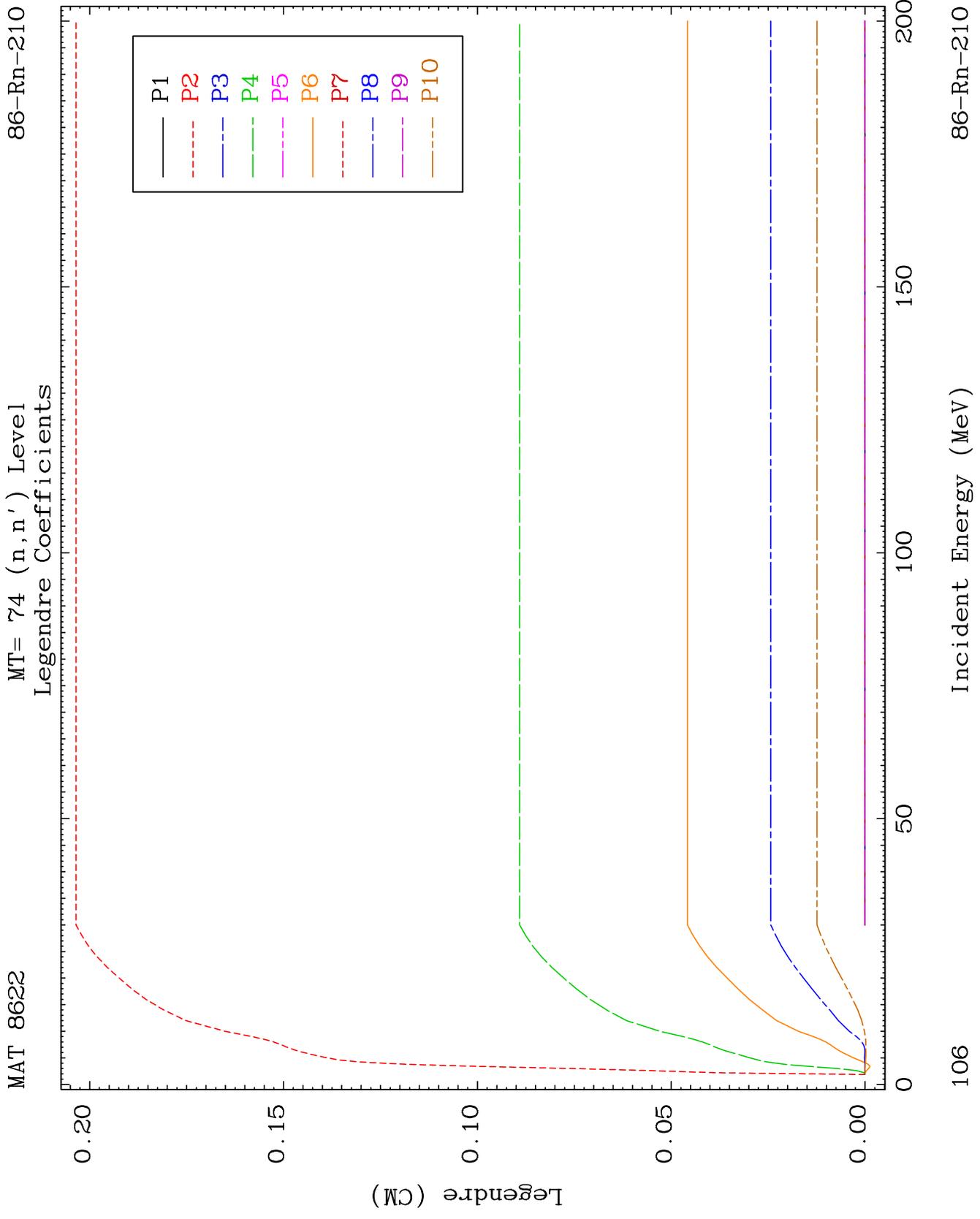
86-Rn-210

MAT 86222

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

86-Rn-210

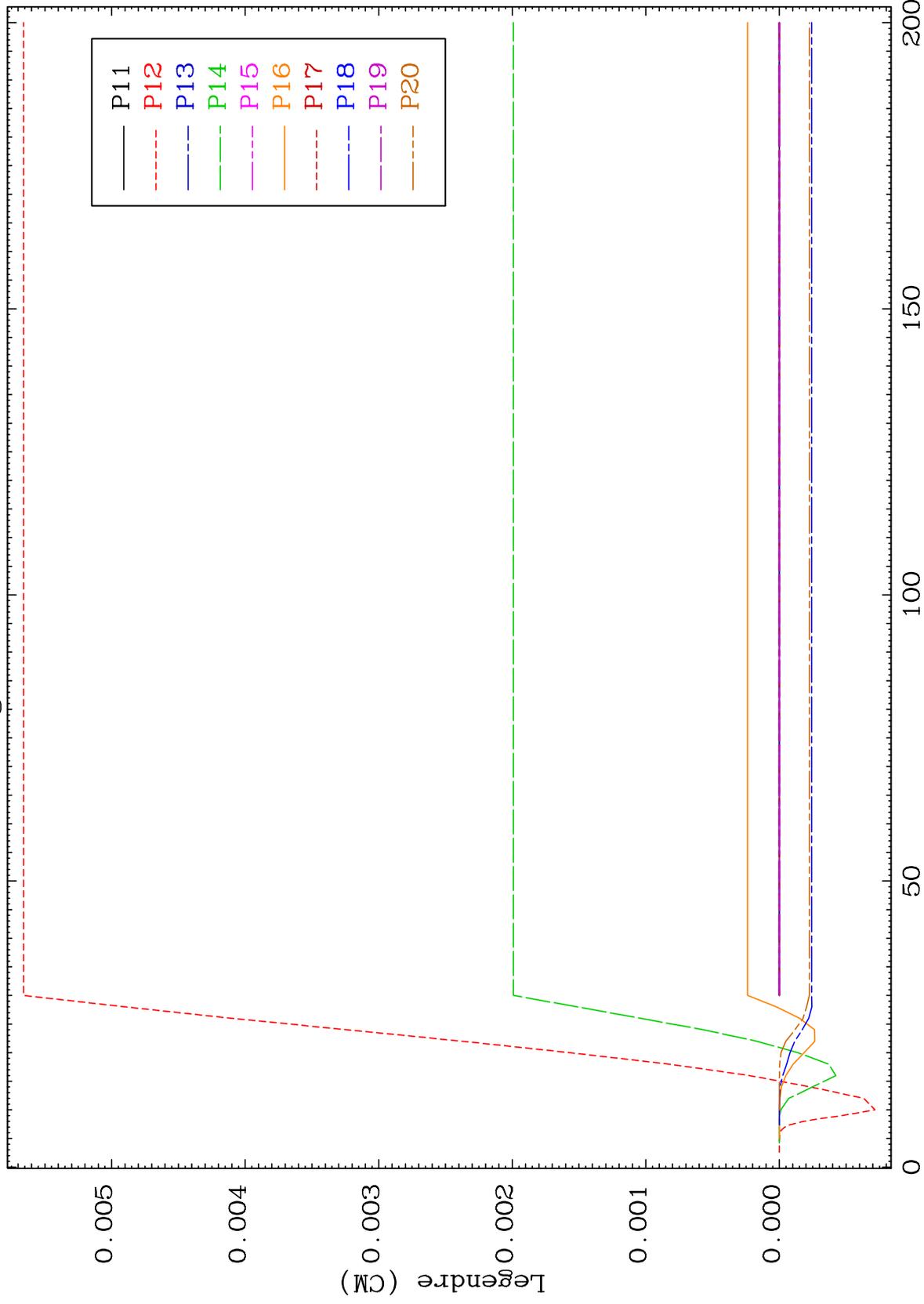




MAT 86222

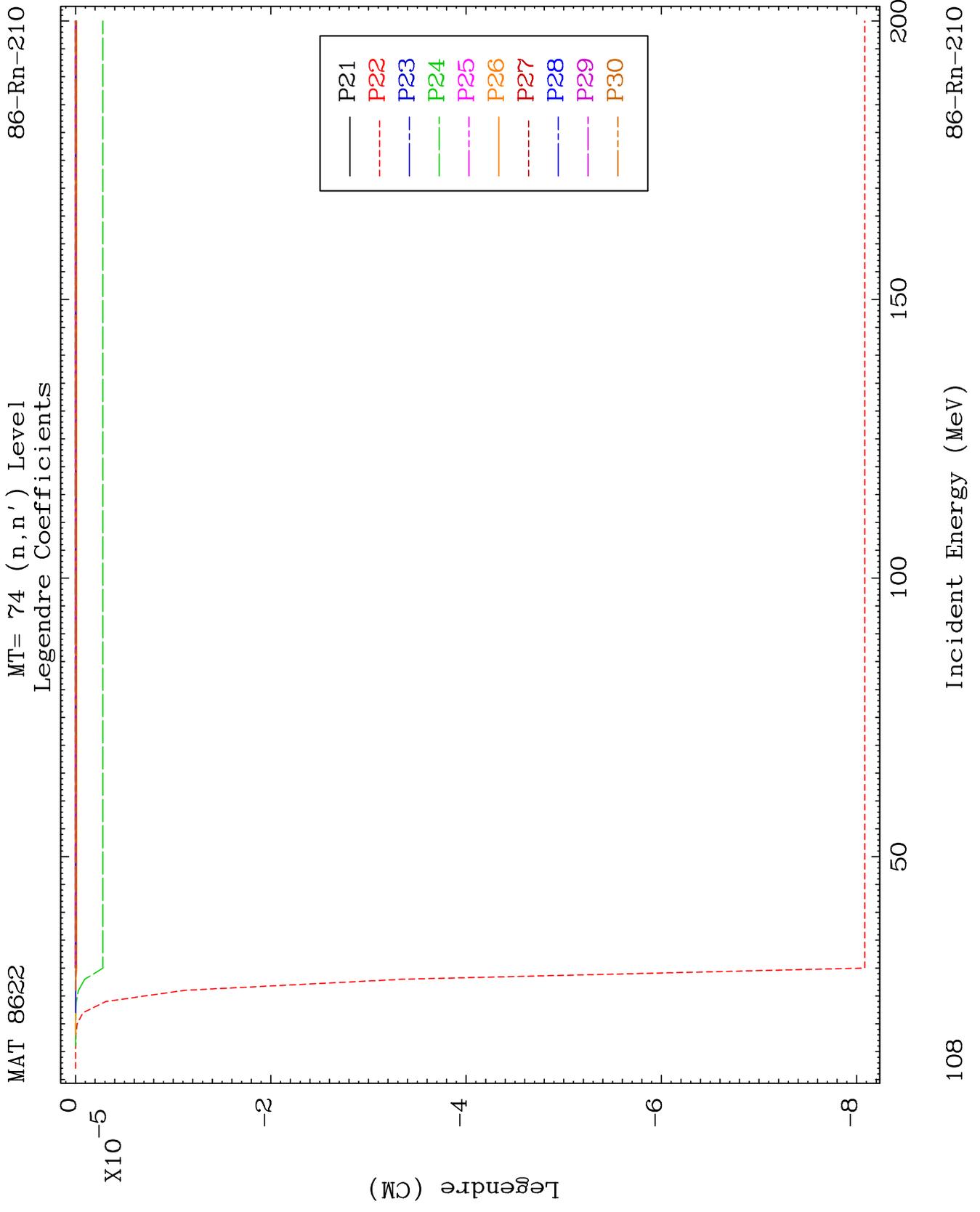
MT= 74 (n,n') Level  
Legendre Coefficients

86-Rn-210



107

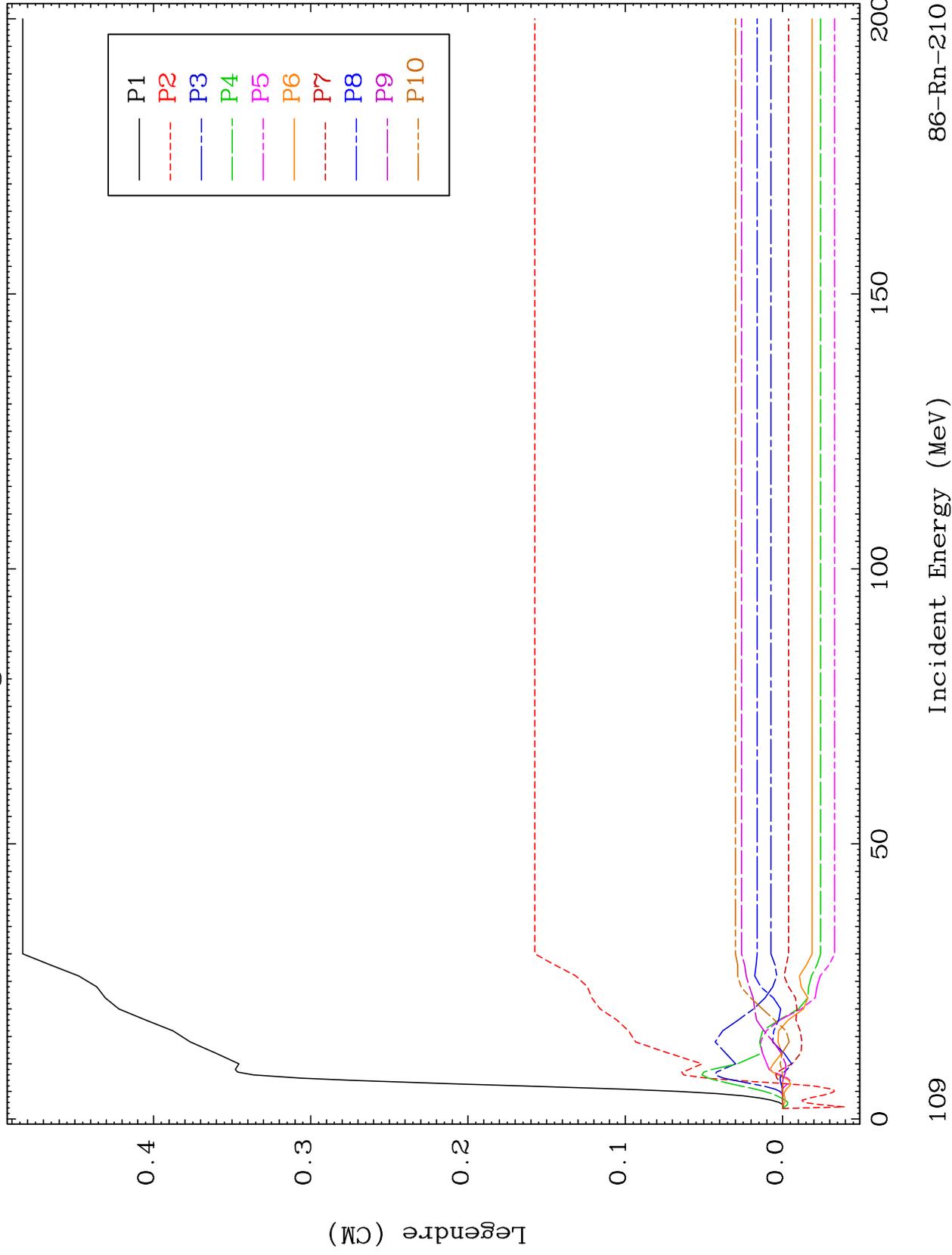
86-Rn-210



MAT 8622

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

86-Rn-210



86-Rn-210

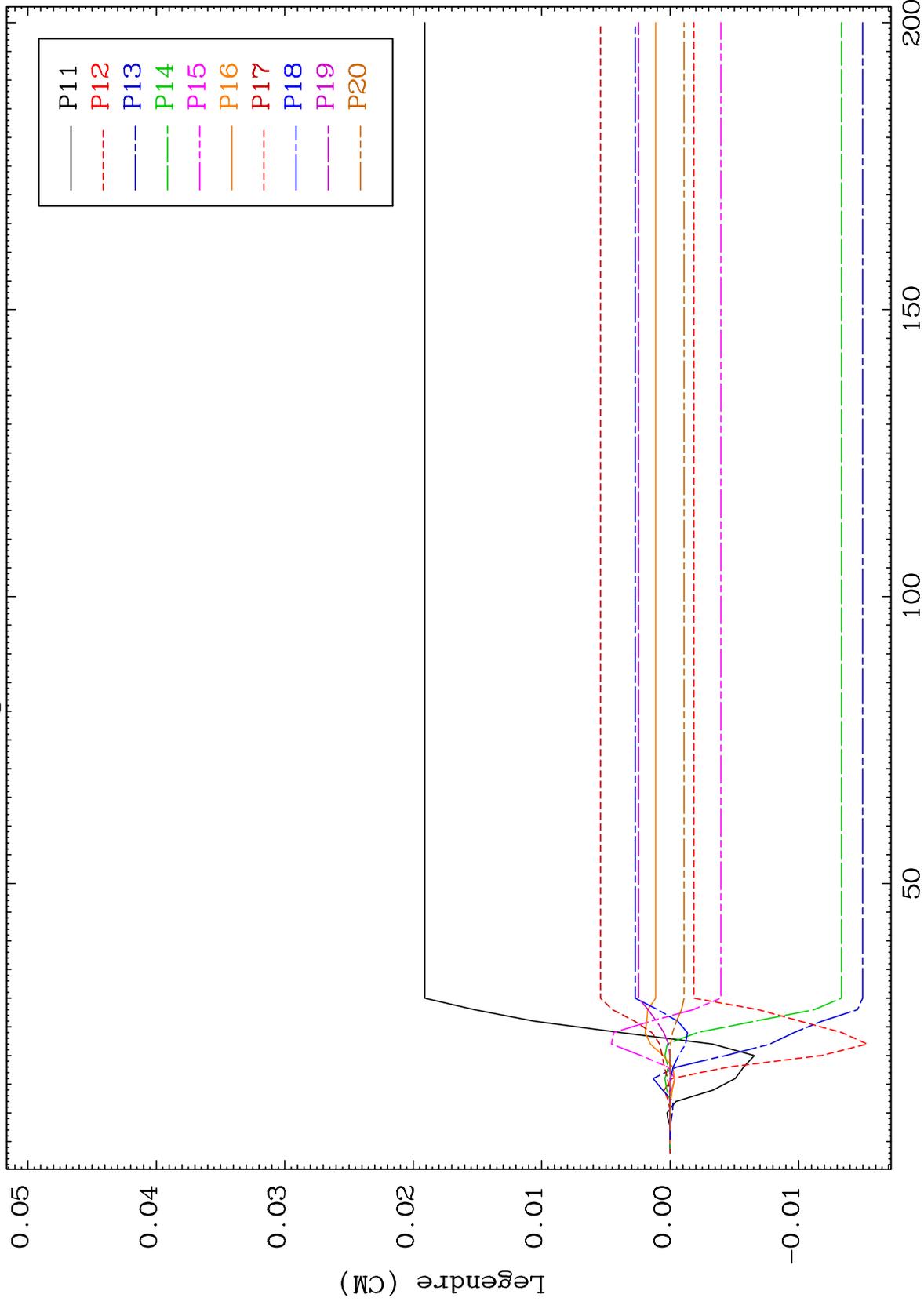
Incident Energy (MeV)

109

MAT 8622

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

86-Rn-210



110

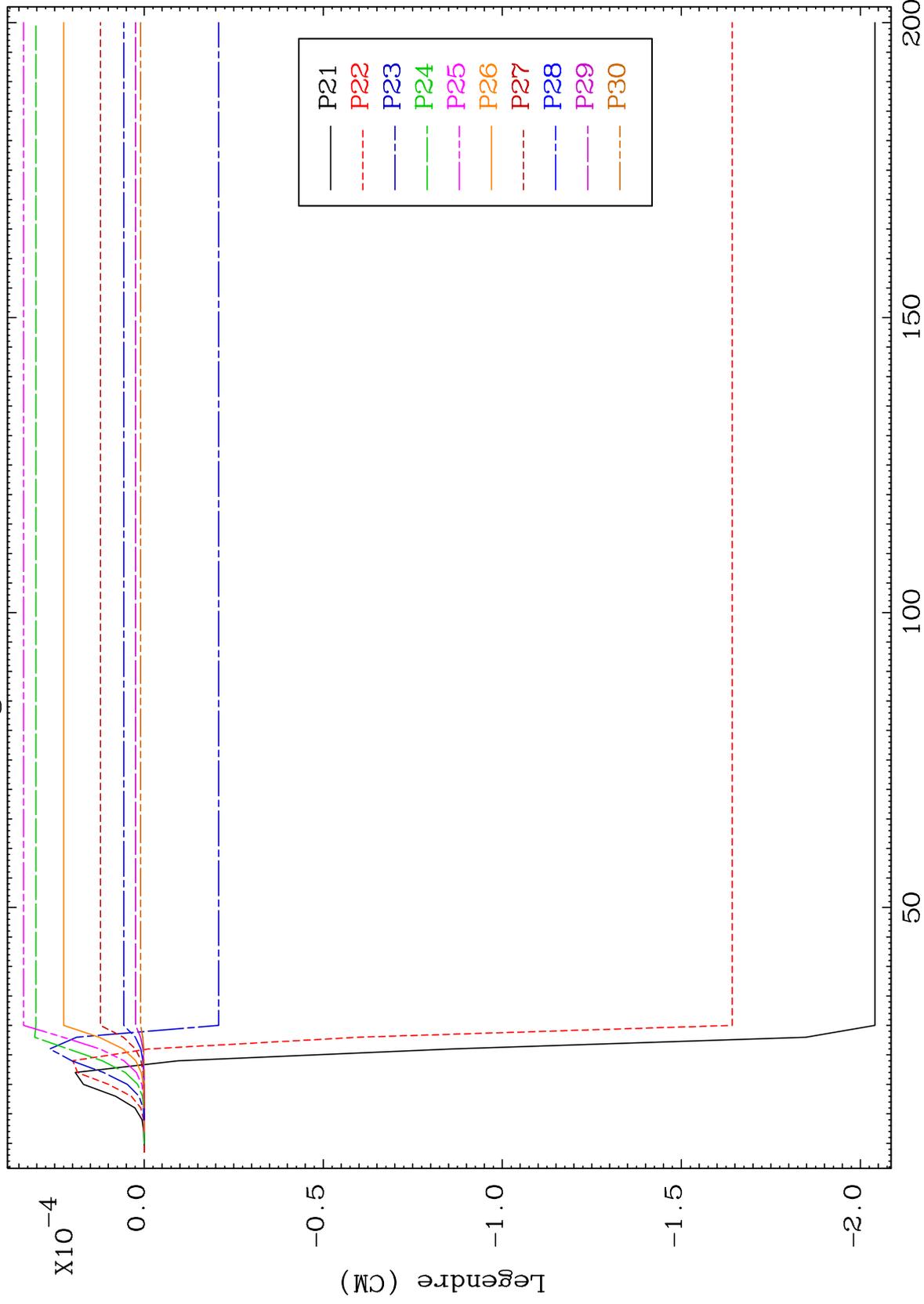
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



111

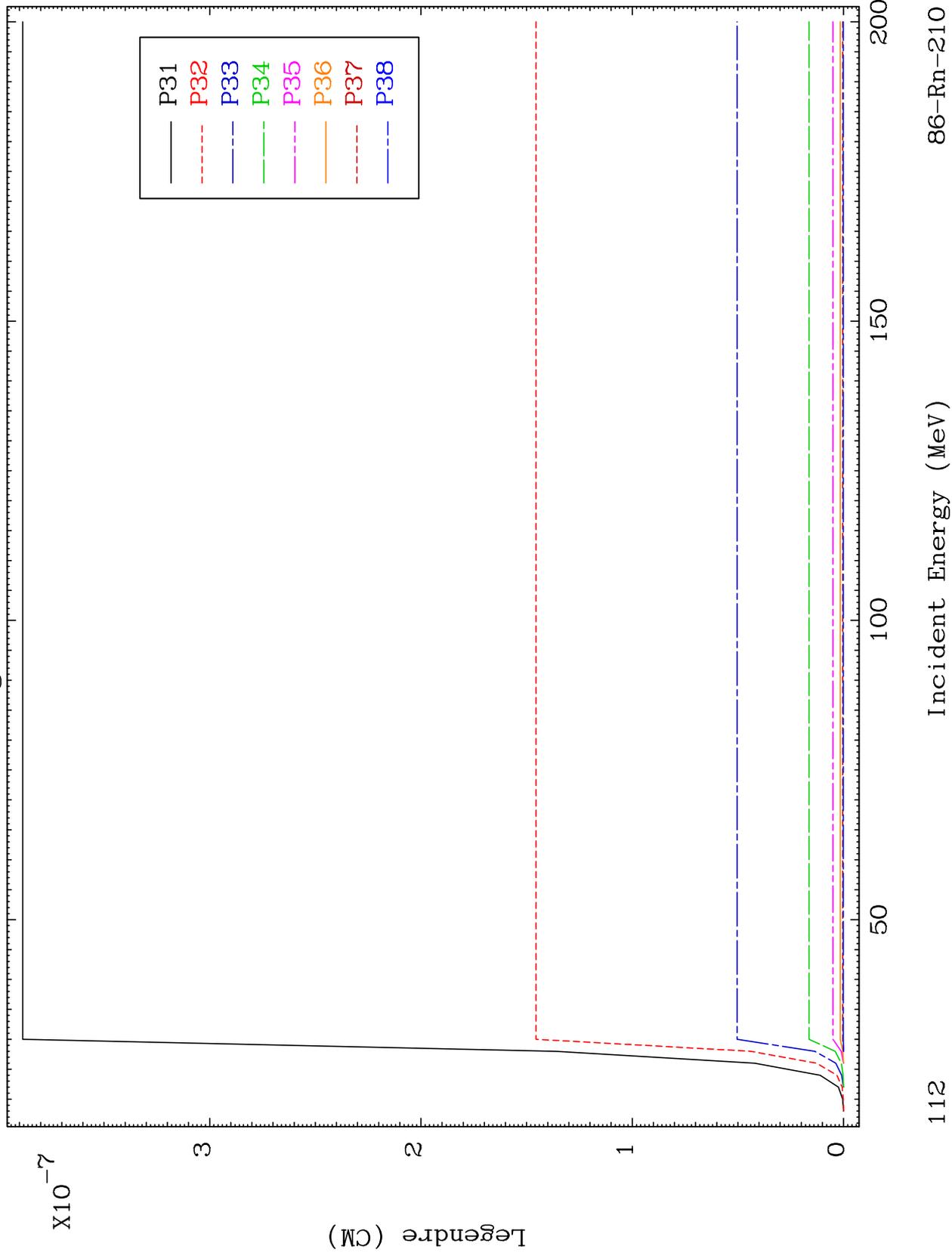
Incident Energy (MeV)

86-Rn-210

MAT 8622

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

86-Rn-210

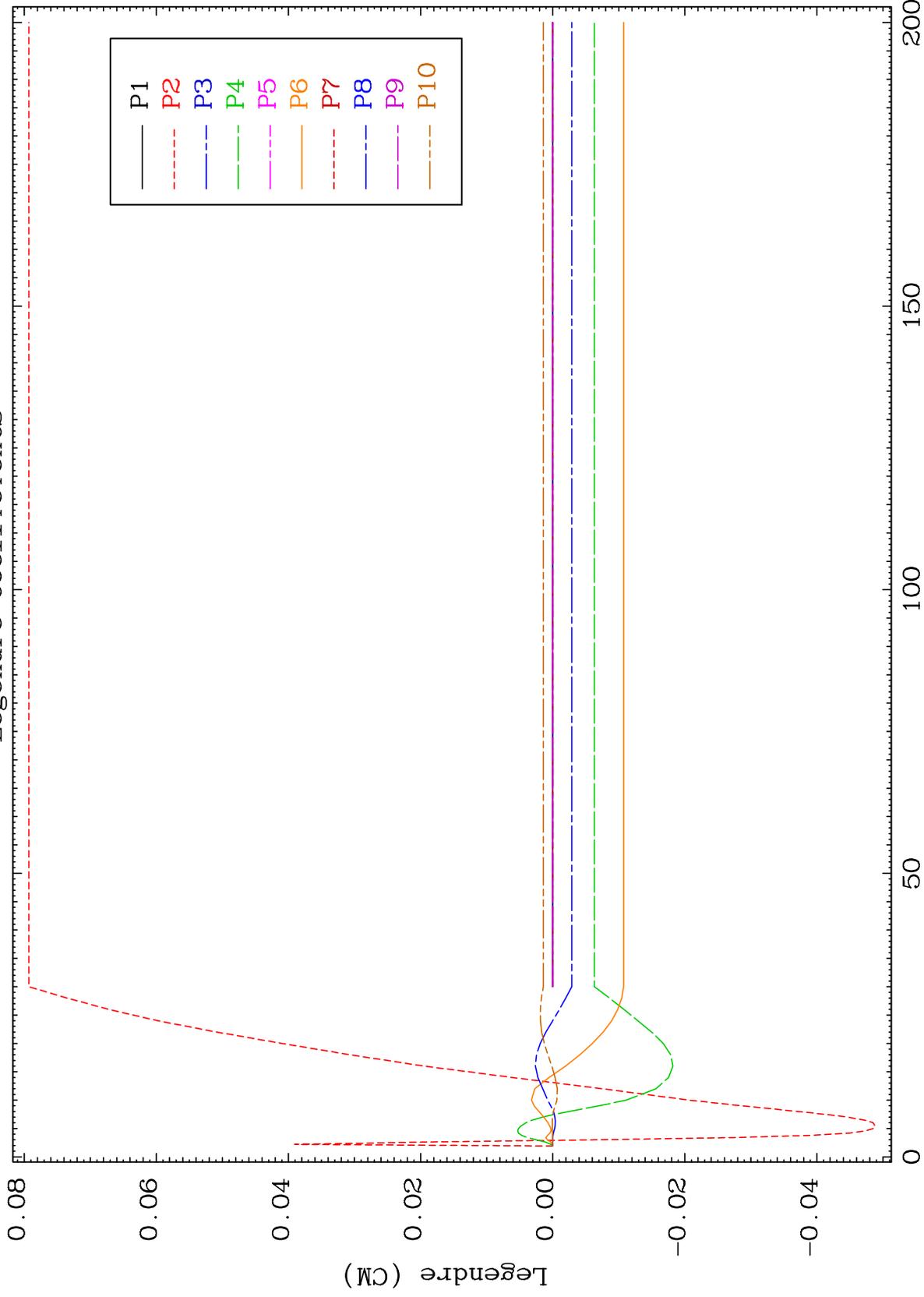


112

MAT 86222

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

86-Rn-210



113

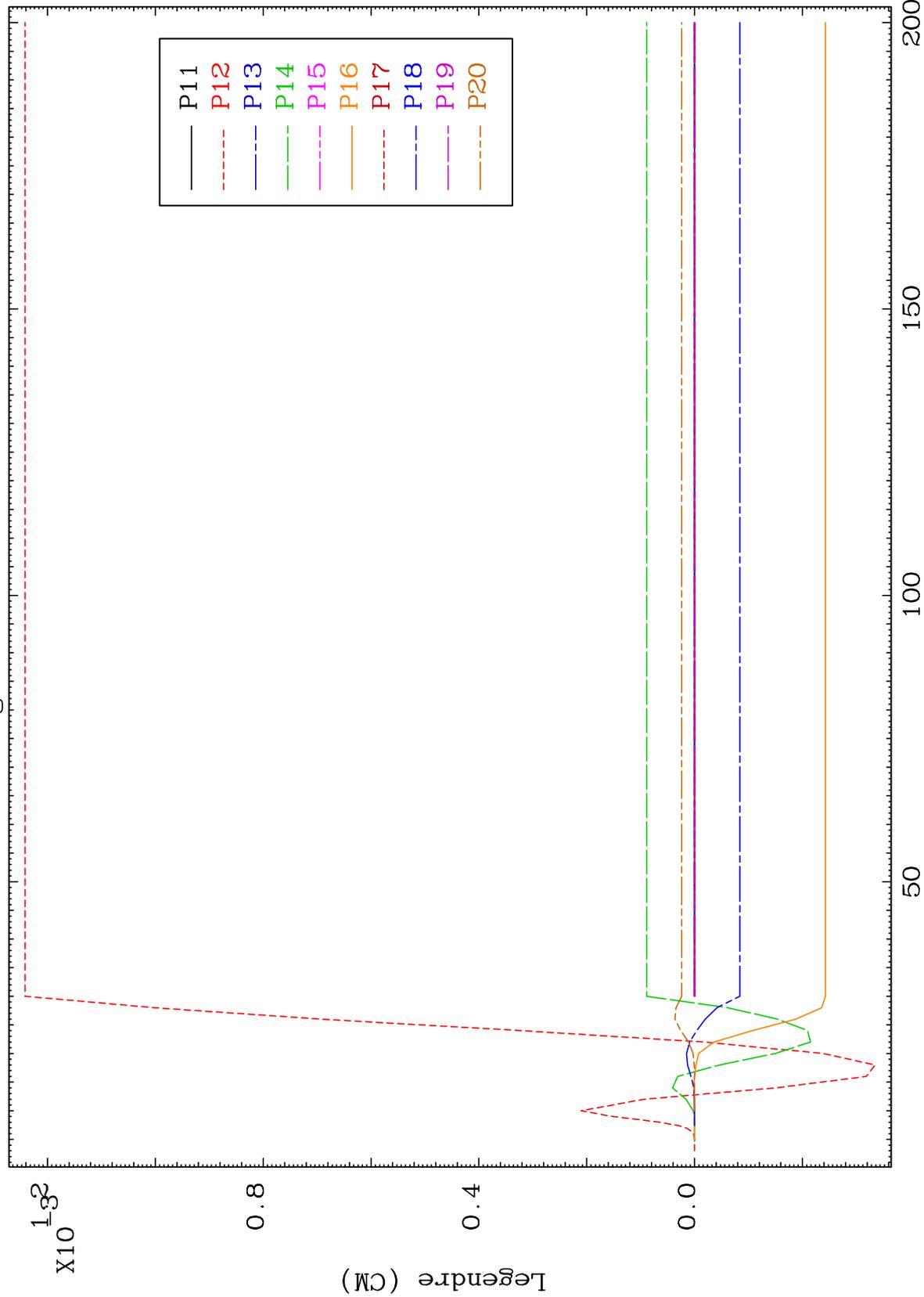
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

86-Rn-210



114

Incident Energy (MeV)

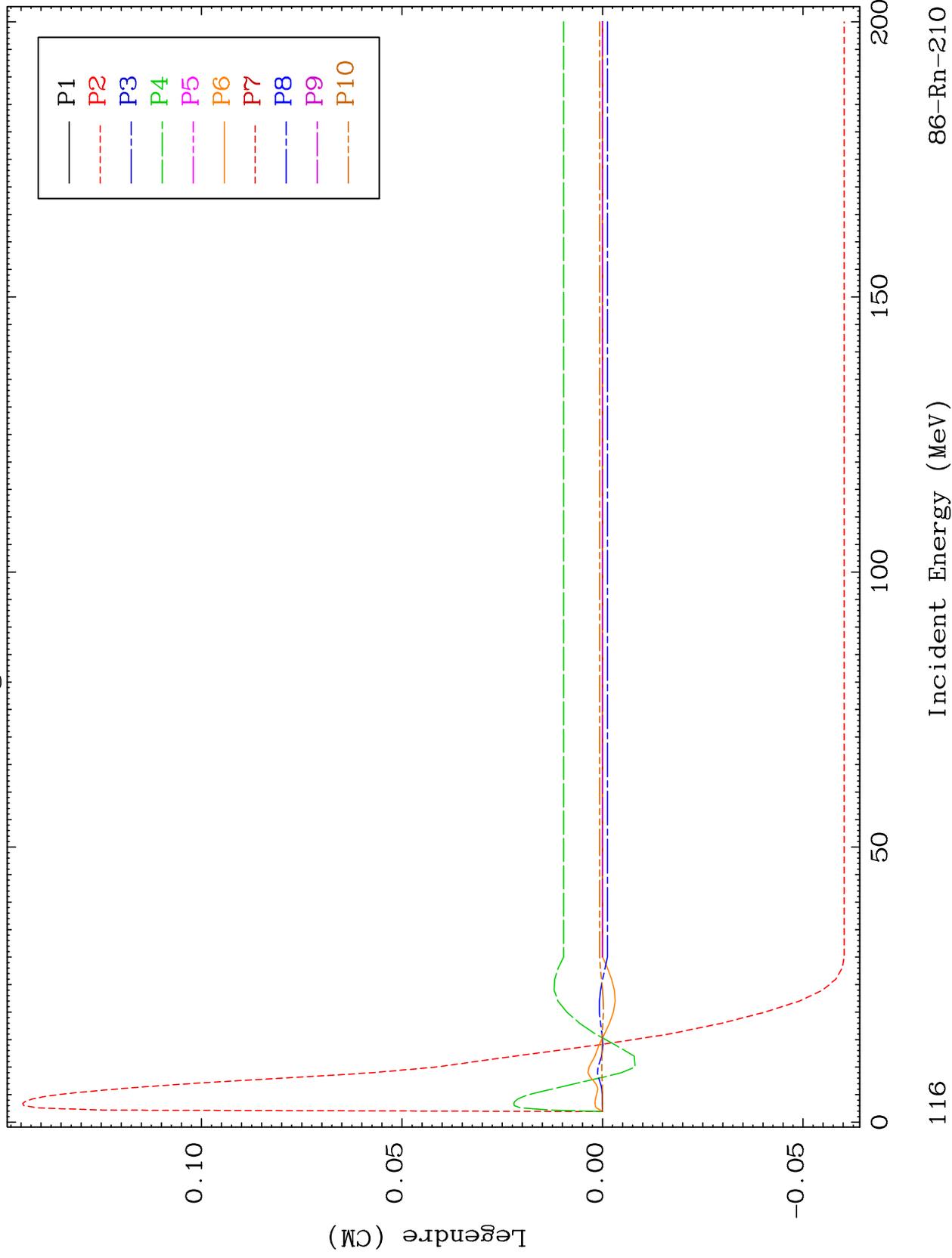
86-Rn-210



MAT 86222

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

86-Rn-210



86-Rn-210

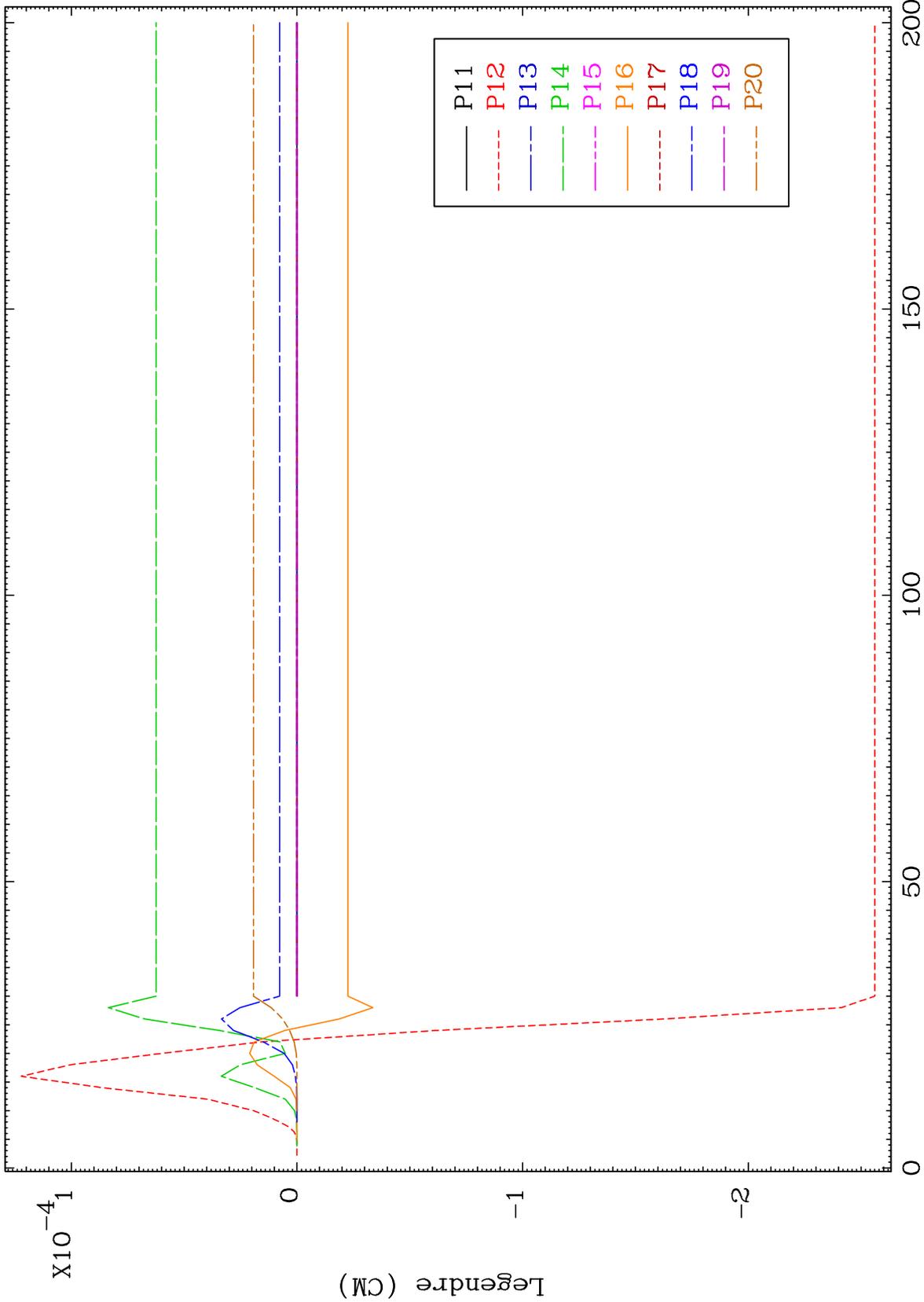
Incident Energy (MeV)

116

MAT 8622

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

86-Rn-210



117

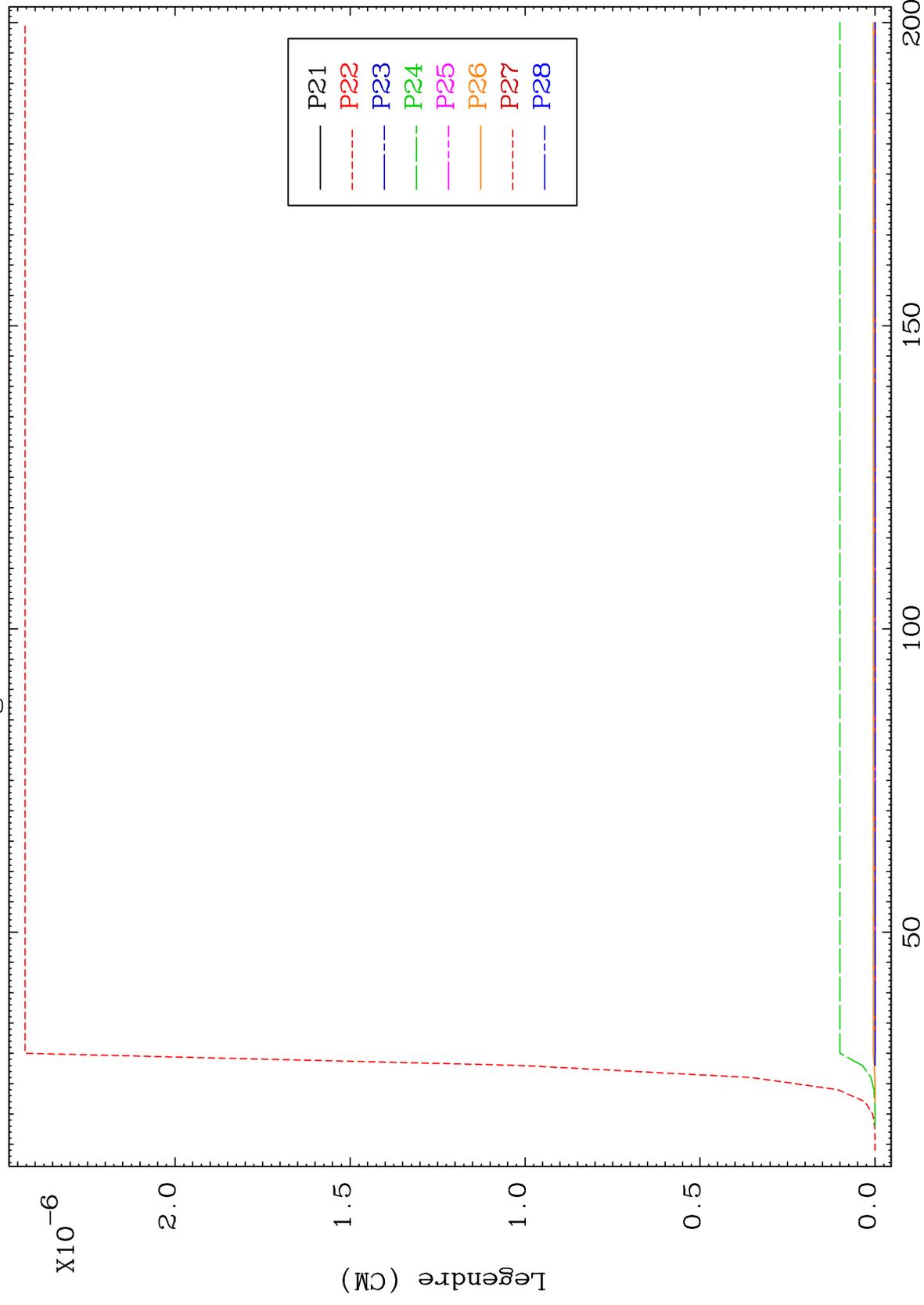
Incident Energy (MeV)

86-Rn-210

MAT 86222

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

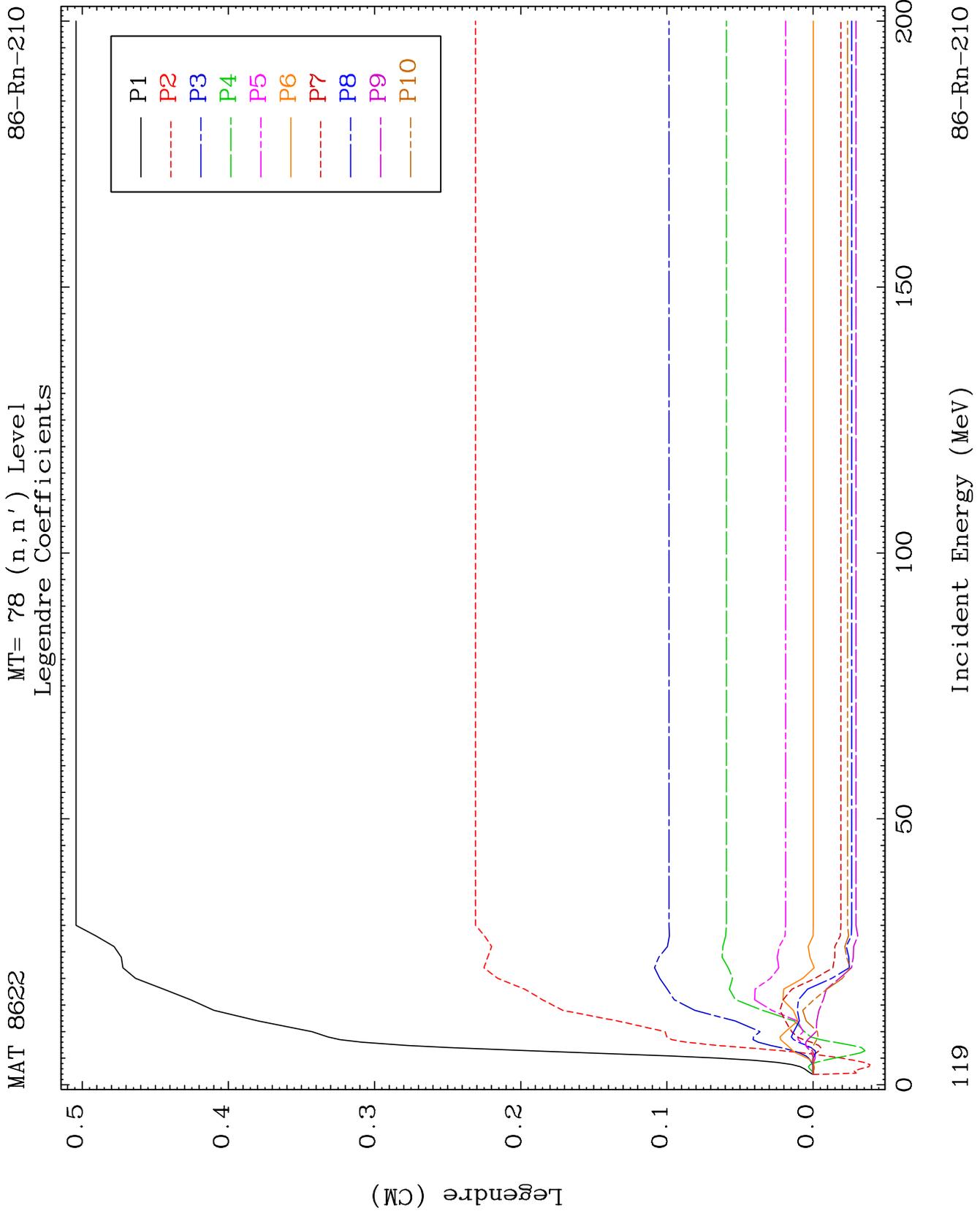
86-Rn-210



118

Incident Energy (MeV)

86-Rn-210



86-Rn-210

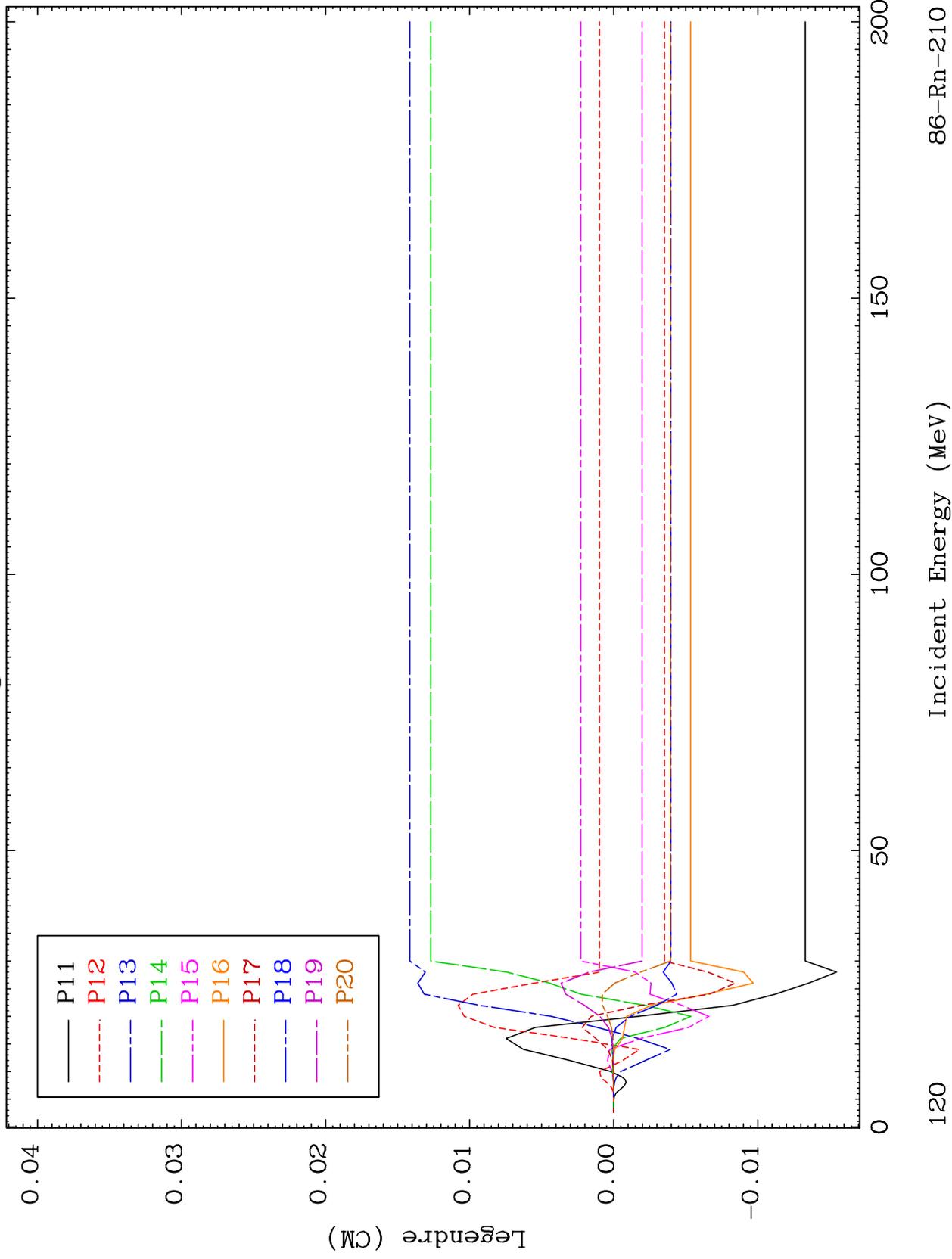
Incident Energy (MeV)

119

MAT 8622

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

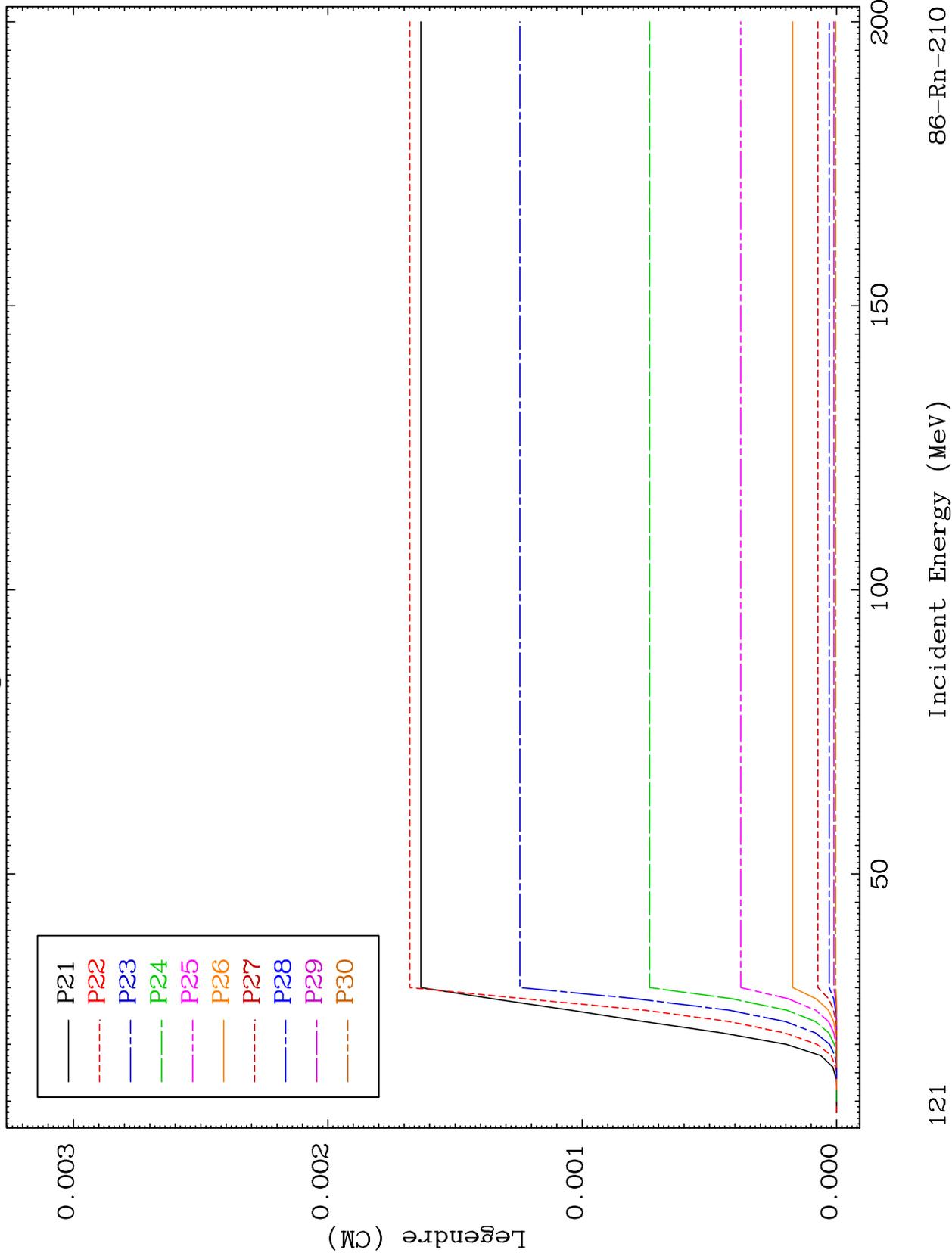
86-Rn-210



MAT 86222

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

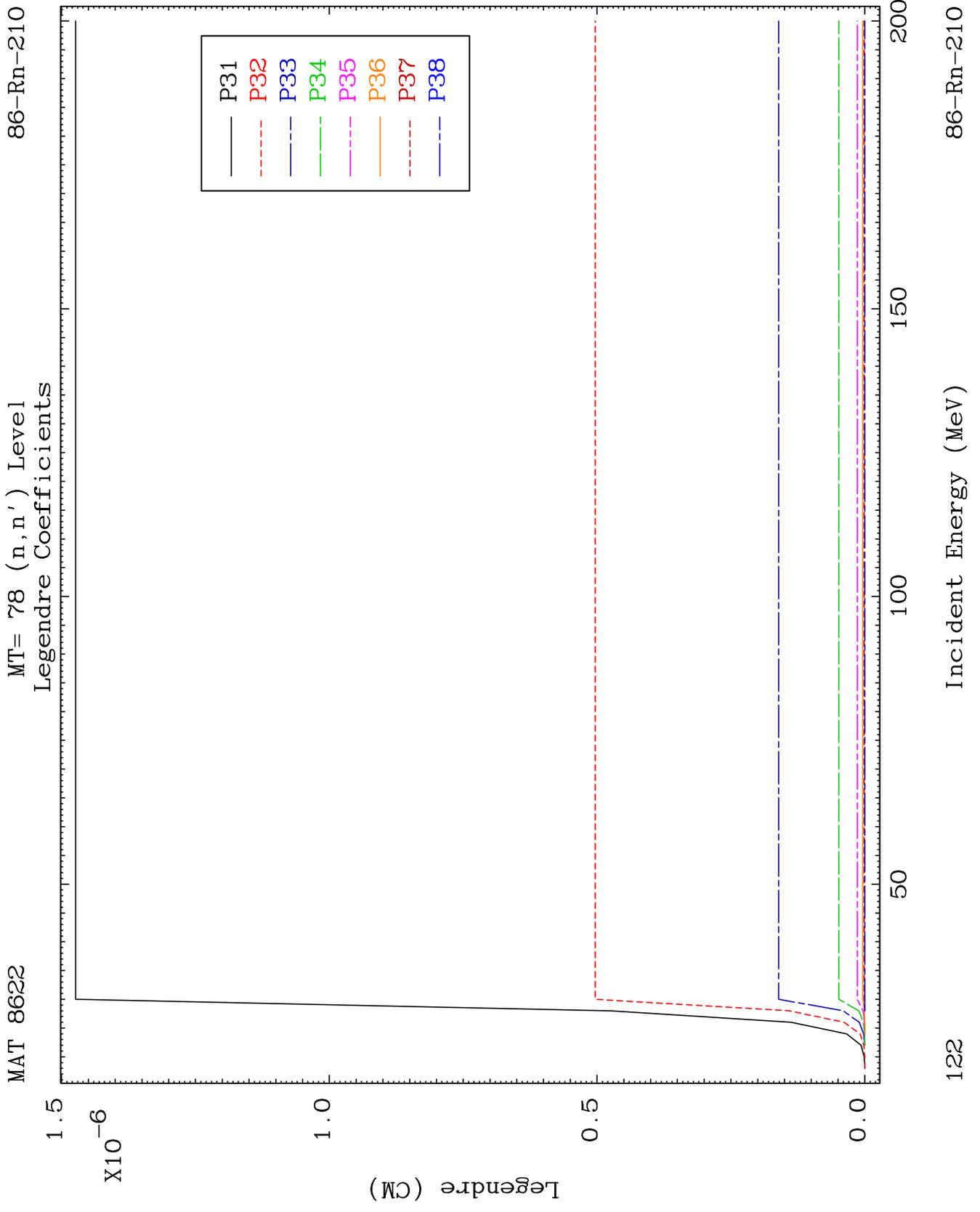
86-Rn-210

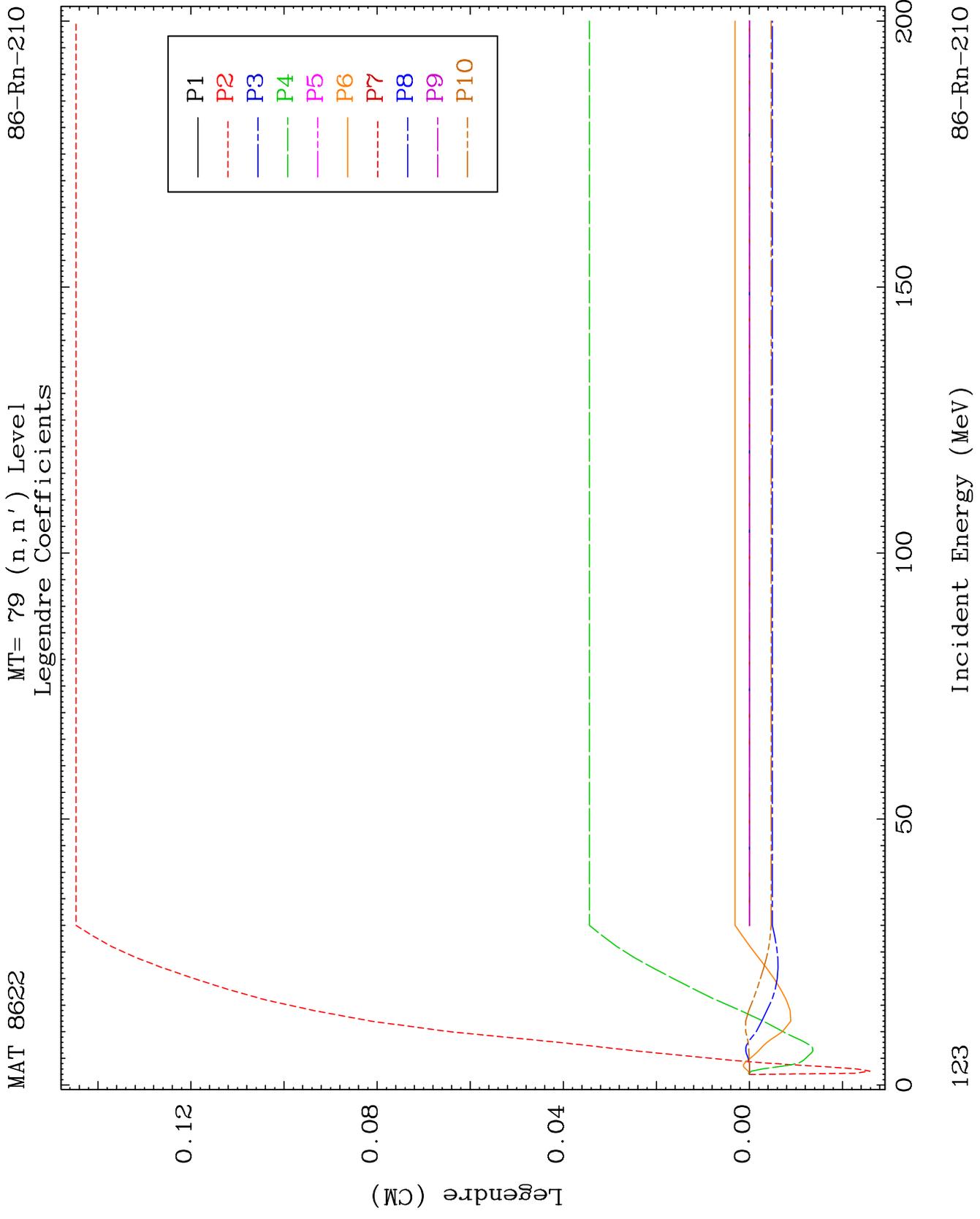


121

Incident Energy (MeV)

86-Rn-210

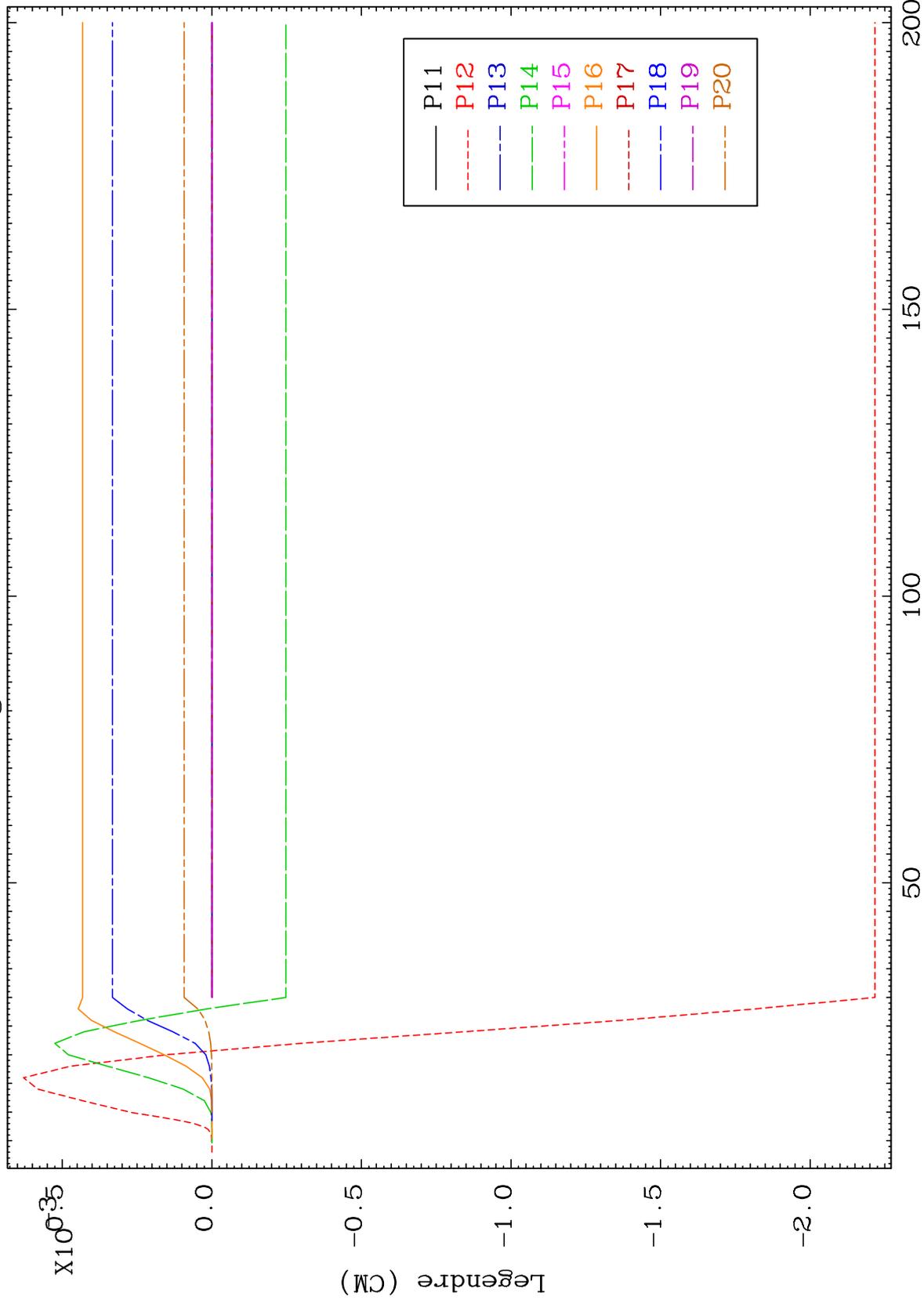




MAT 8622

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

86-Rn-210



124

Incident Energy (MeV)

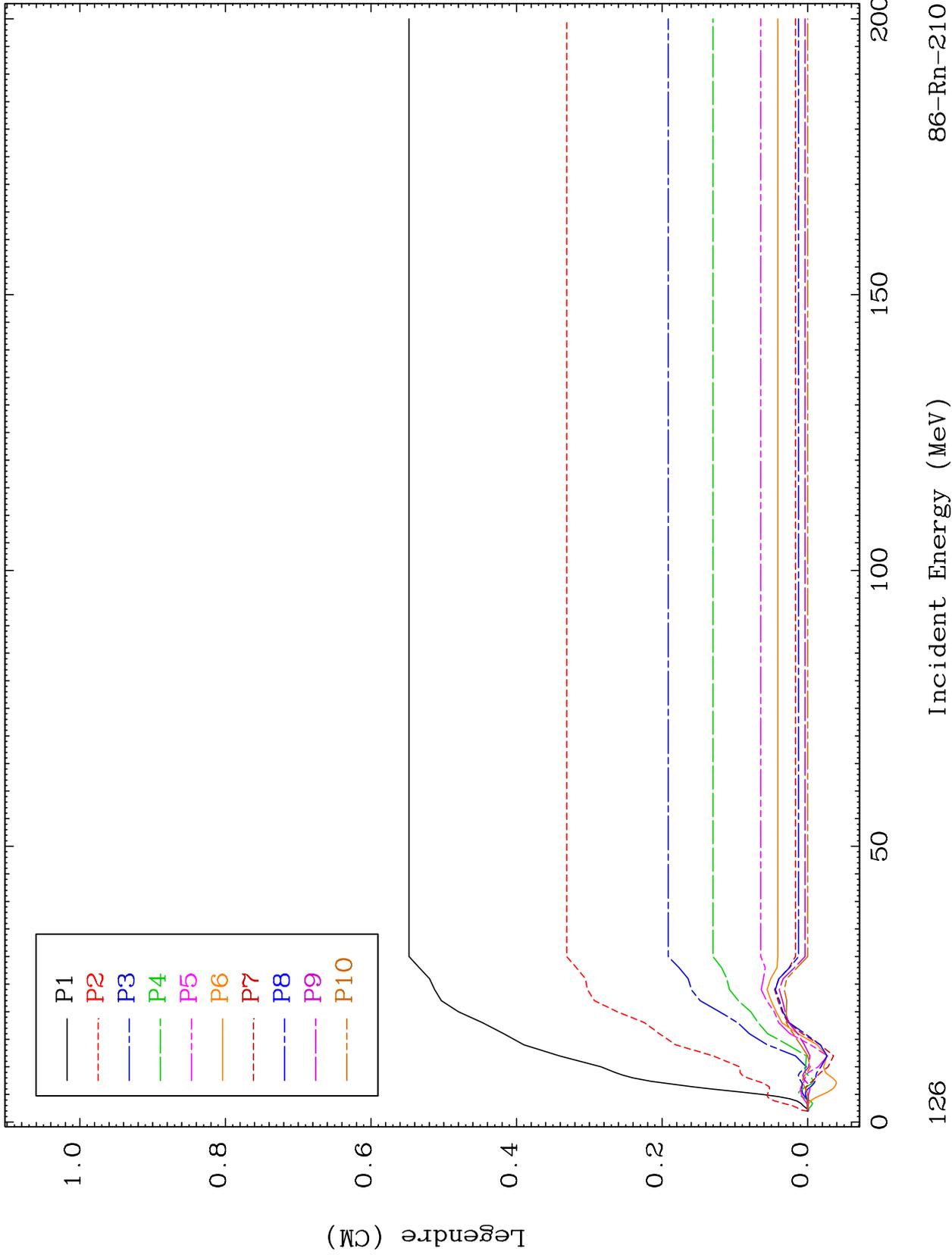
86-Rn-210



MAT 86222

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

86-Rn-210

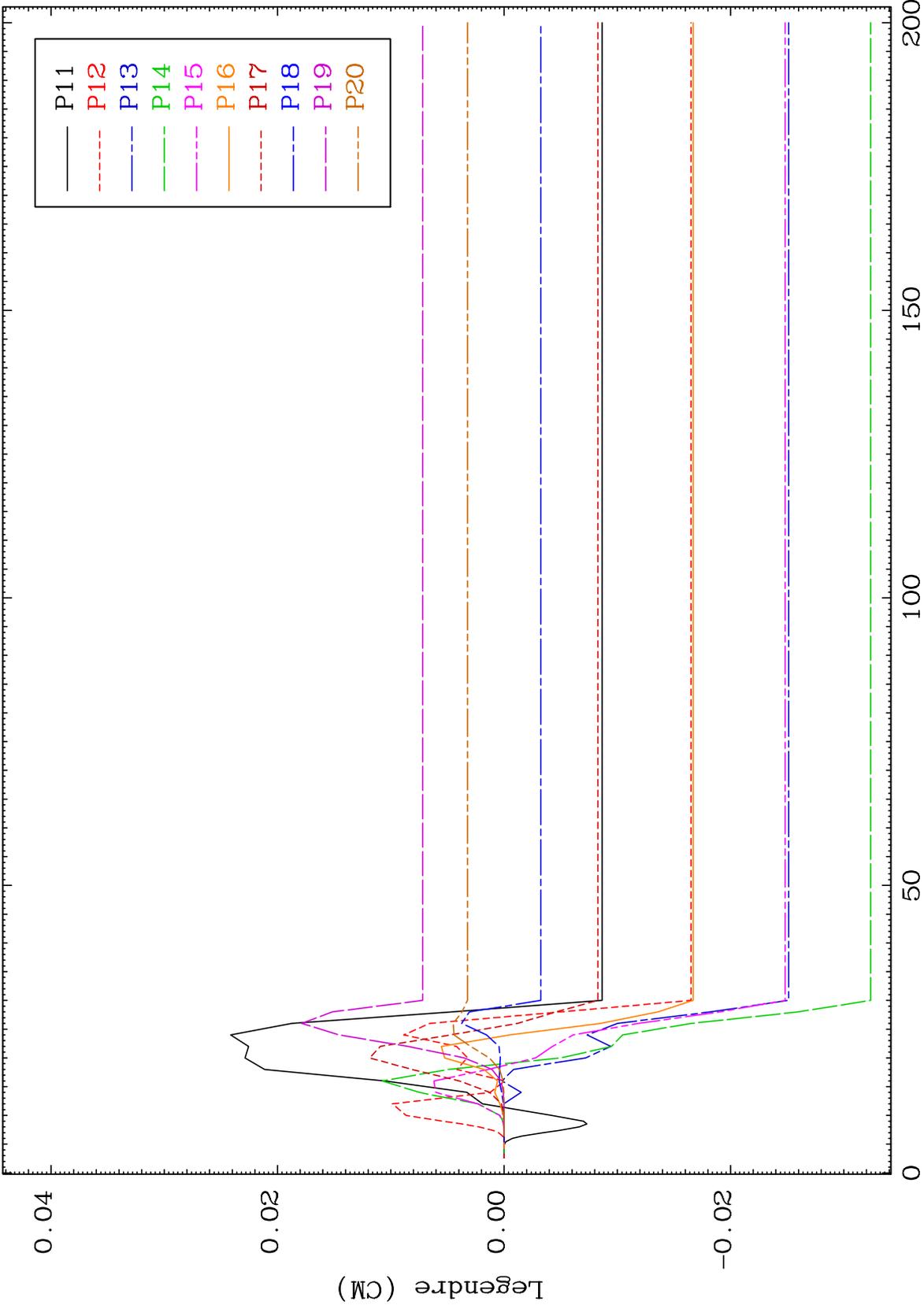


126

MAT 8622

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

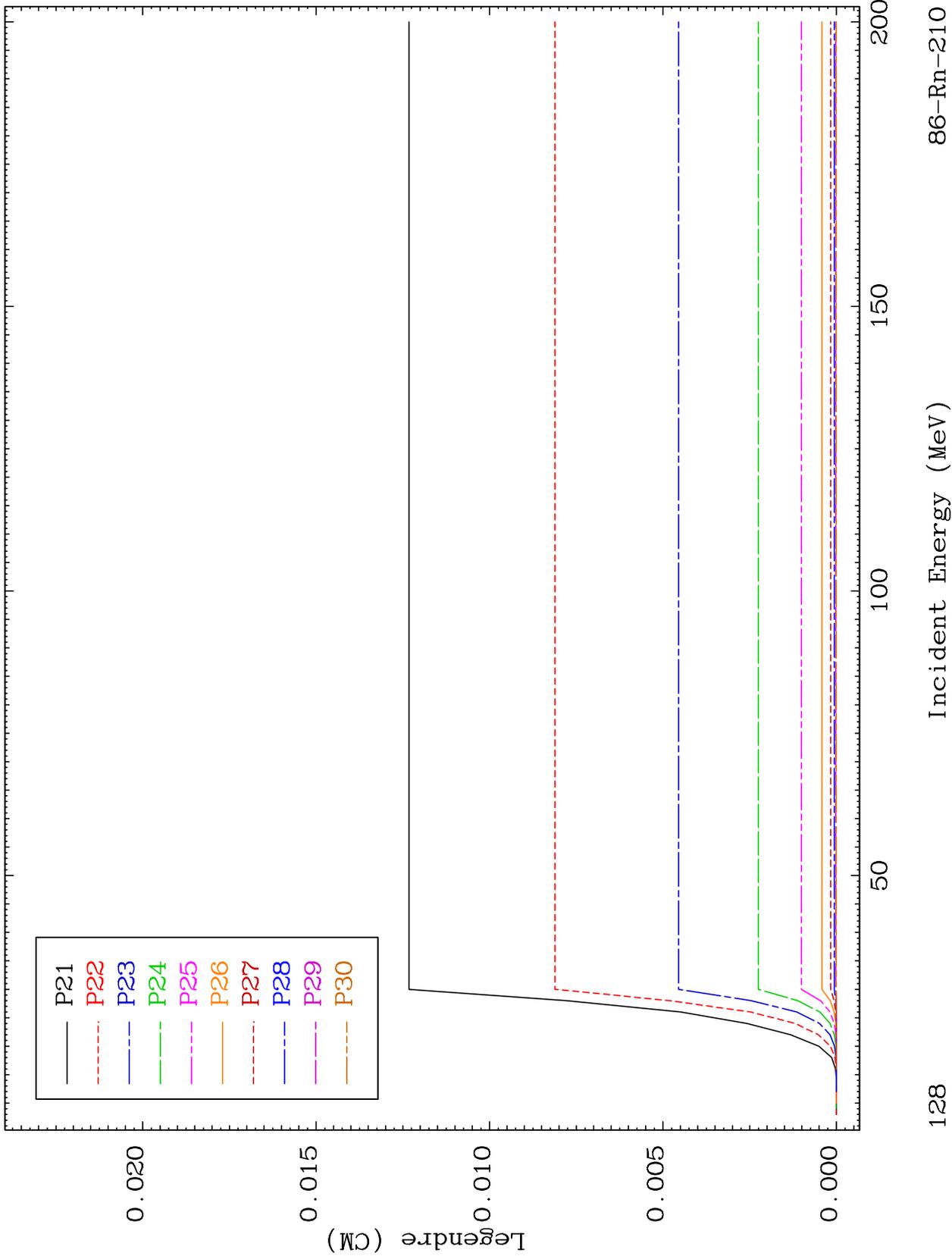
86-Rn-210



127

Incident Energy (MeV)

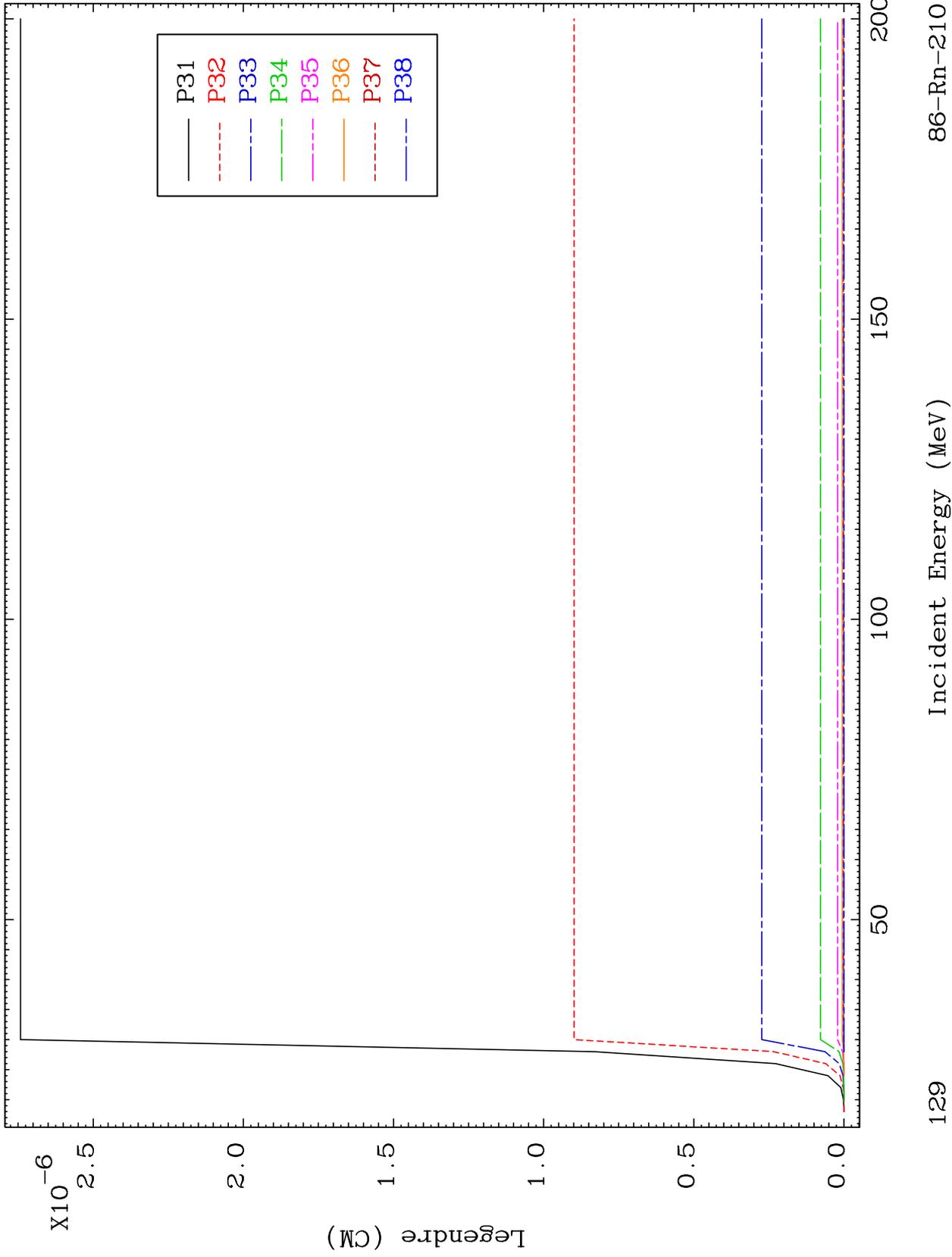
86-Rn-210



MAT 86222

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

86-Rn-210



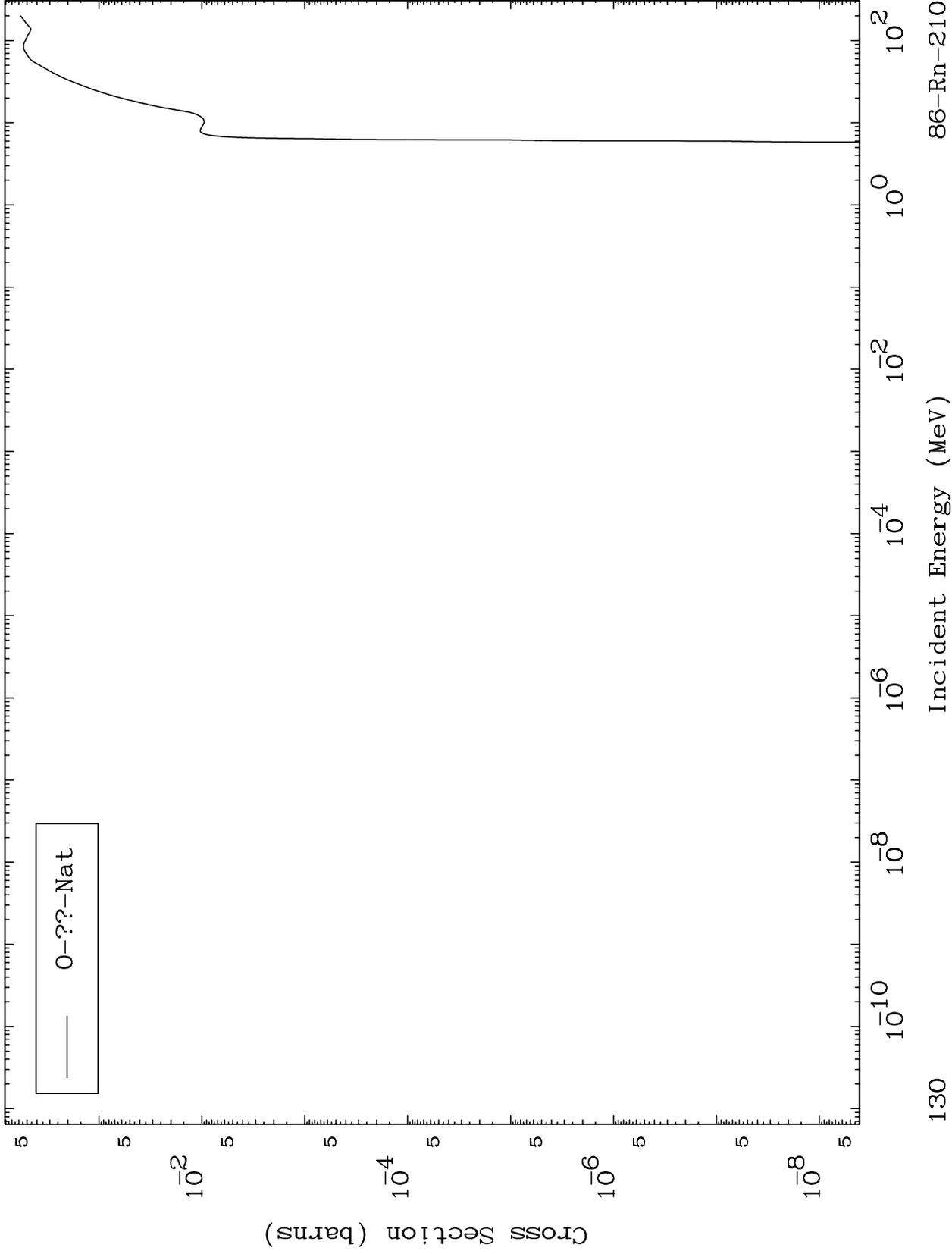
129

MAT 8622

Fission

86-Rn-210

Radionuclide Production Cross Section

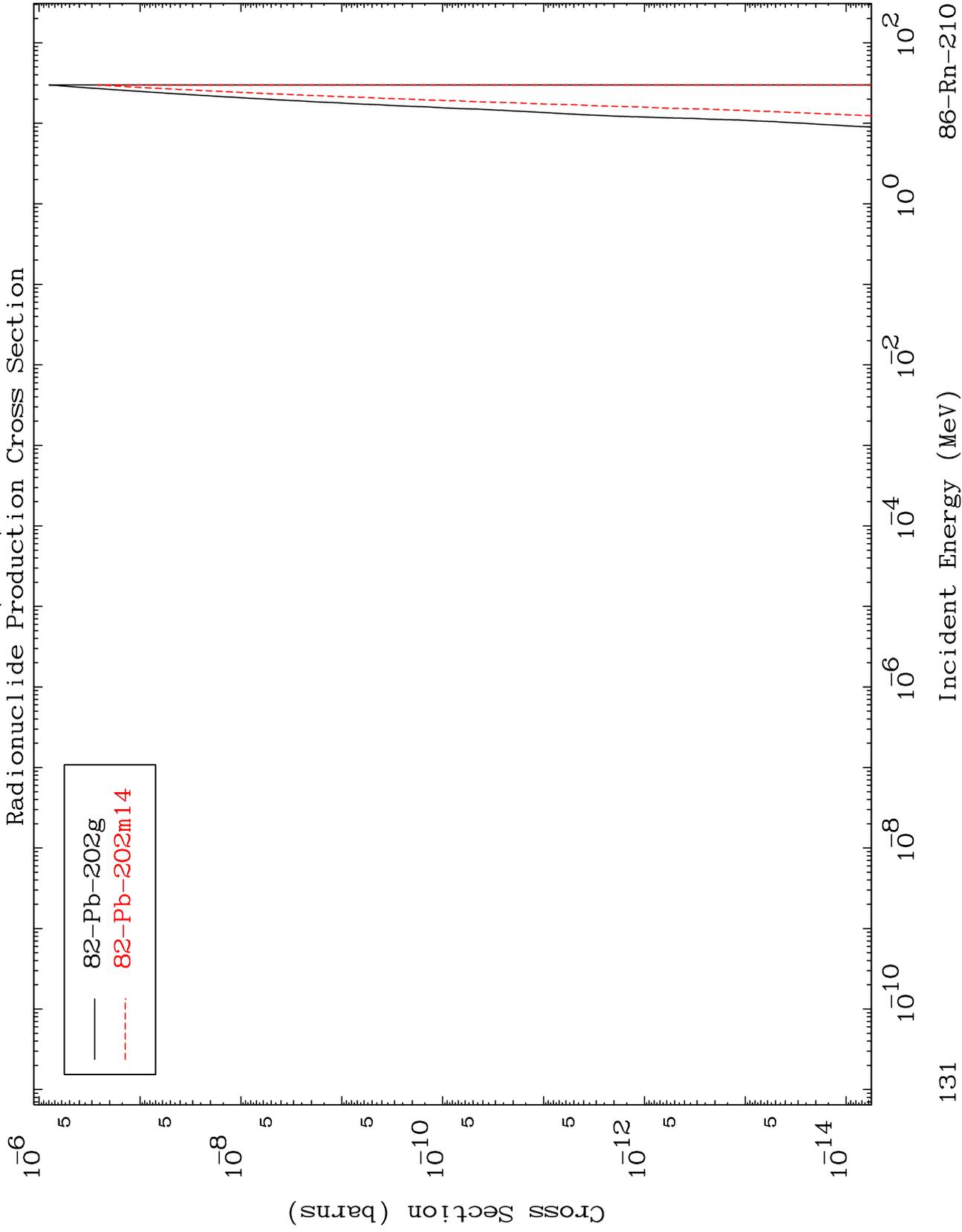


MAT 8622

(n,n') 2α

86-Rn-210

Radionuclide Production Cross Section

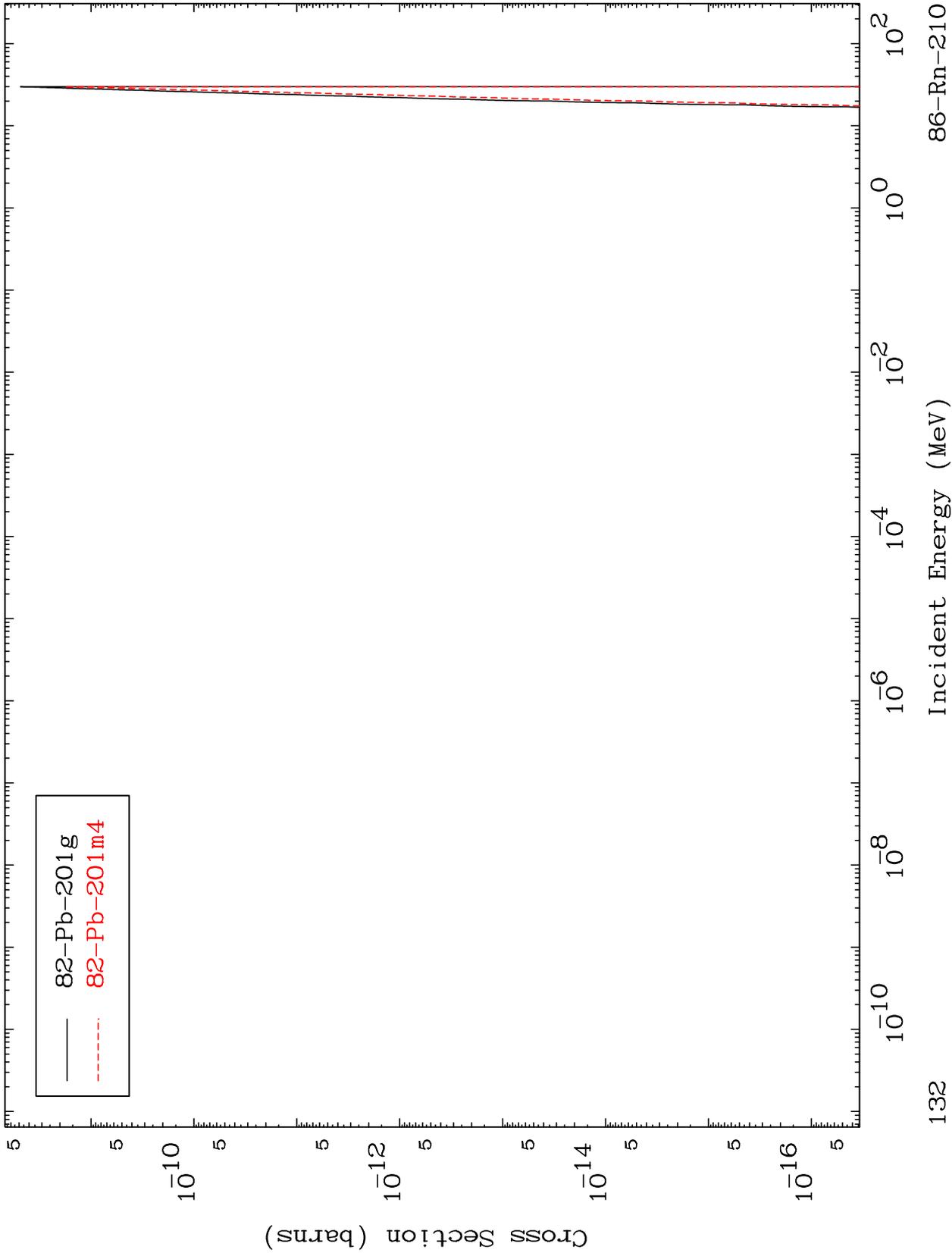


MAT 8622

(n,2n) 2 $\alpha$

86-Rn-210

Radionuclide Production Cross Section



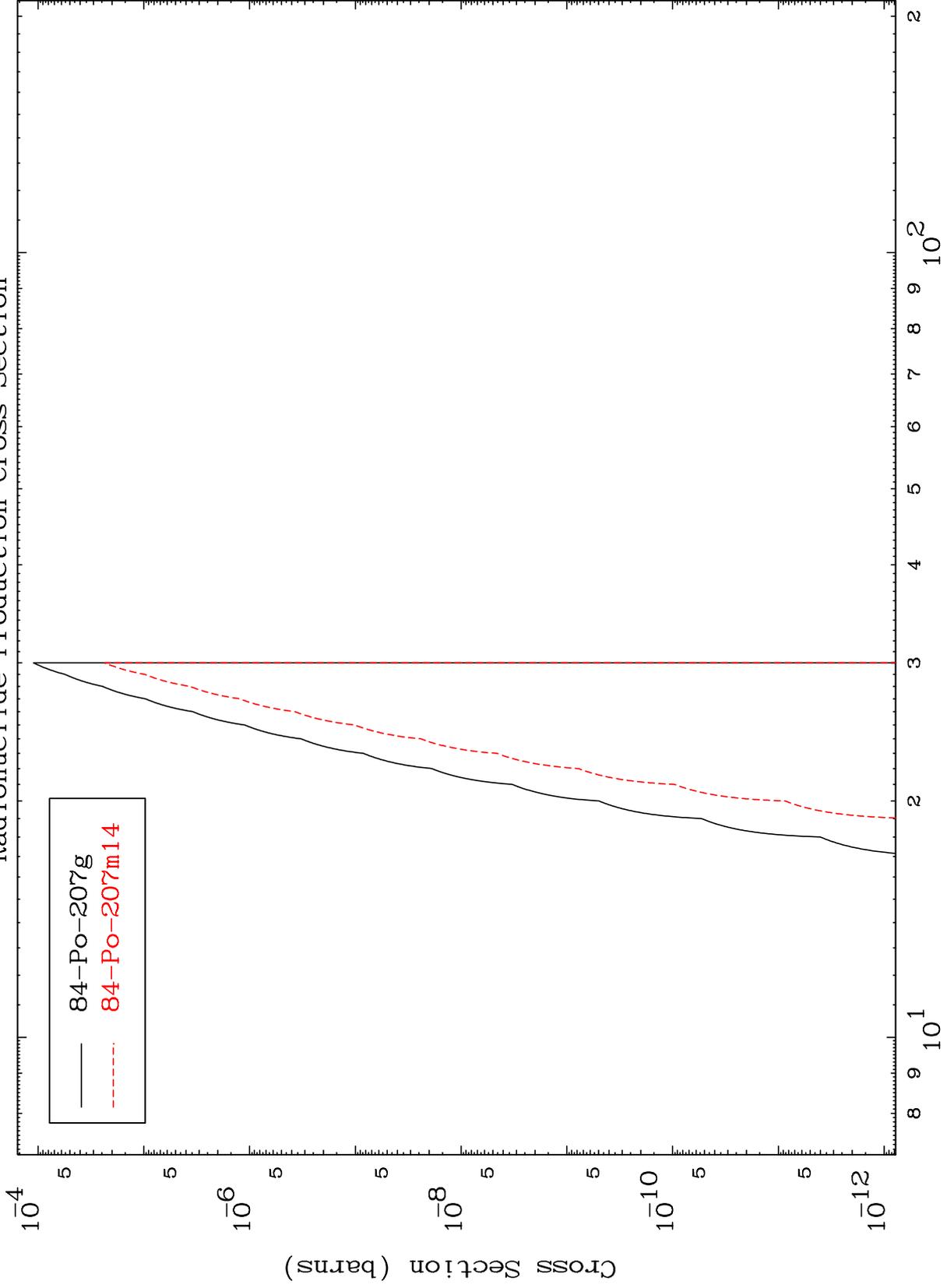
82-Pb-201g  
82-Pb-201m4

MAT 8622

(n,n') He-3

86-Rn-210

Radionuclide Production Cross Section



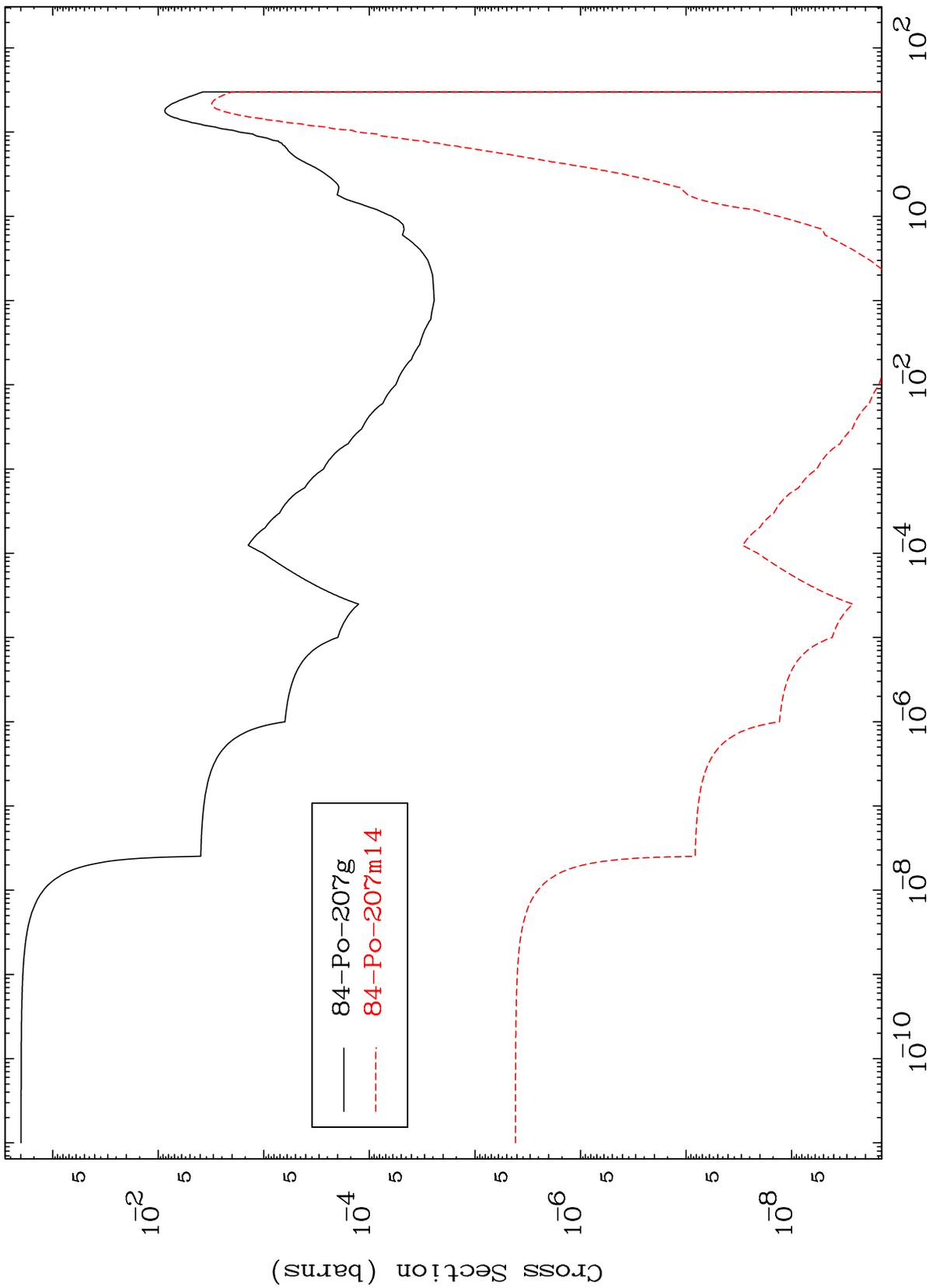
84-Po-207g  
84-Po-207m14

MAT 8622

86-Rn-210

Radionuclide Production Cross Section

(n,  $\alpha$ )



Cross Section (barns)

Incident Energy (MeV)

— 84-Po-207g  
- - - 84-Po-207m14

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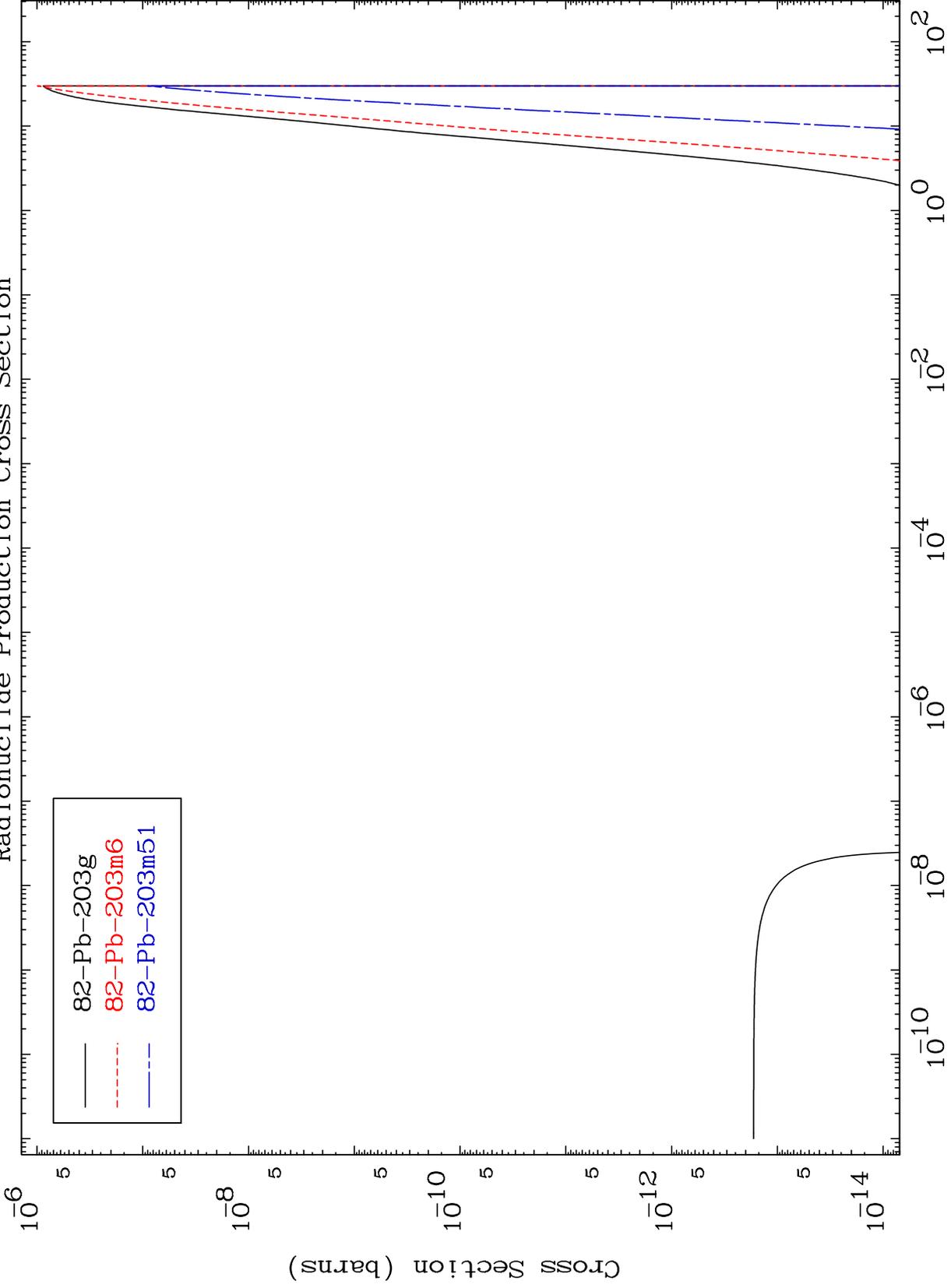
86-Rn-210

MAT 8622

(n,2α)

86-Rn-210

Radionuclide Production Cross Section



135

Incident Energy (MeV)

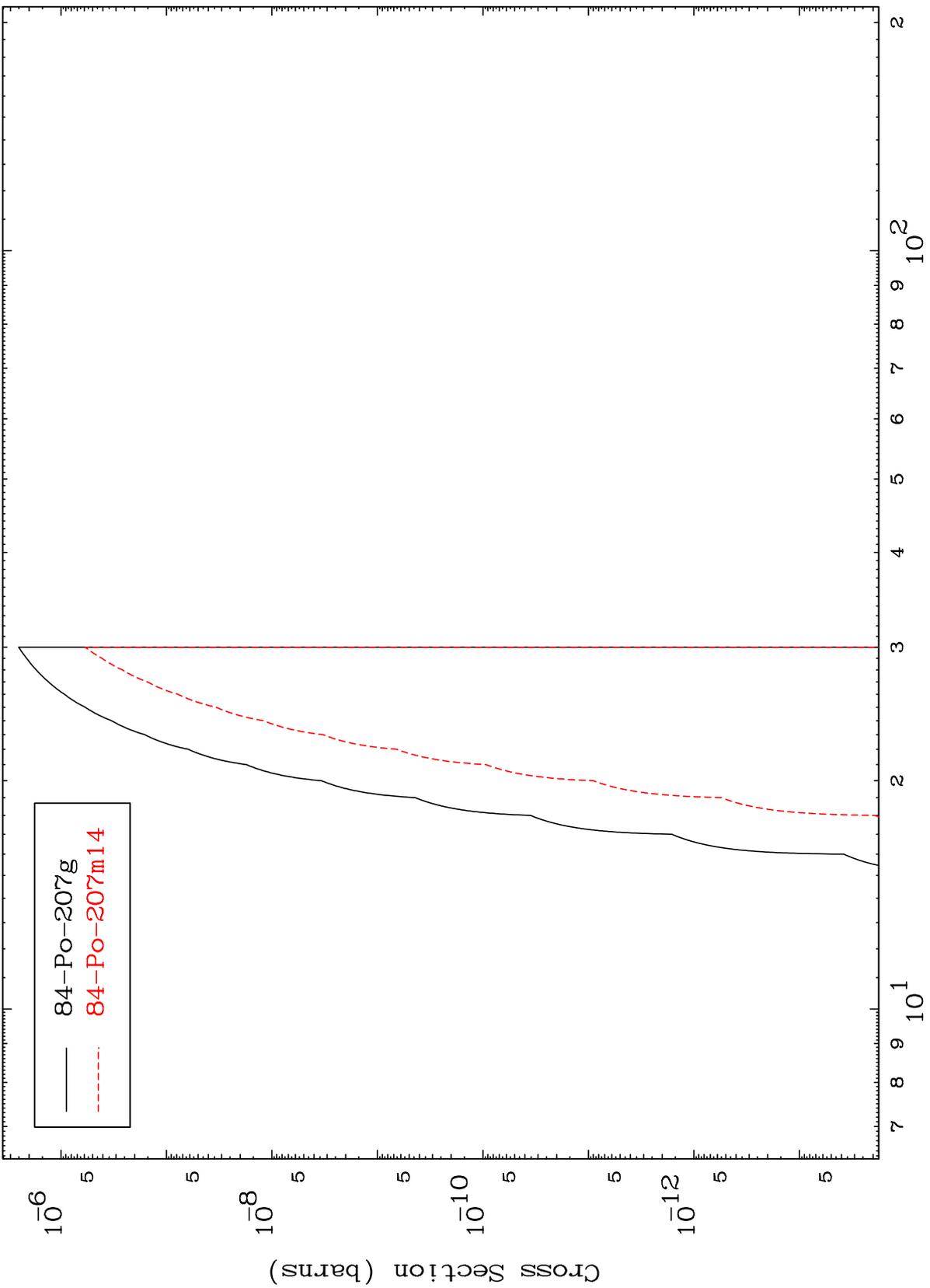
86-Rn-210

MAT 8622

(n,p) t

86-Rn-210

Radionuclide Production Cross Section



136

Incident Energy (MeV)

86-Rn-210