

Program EVALPLOT
(Version 2018-1)

by

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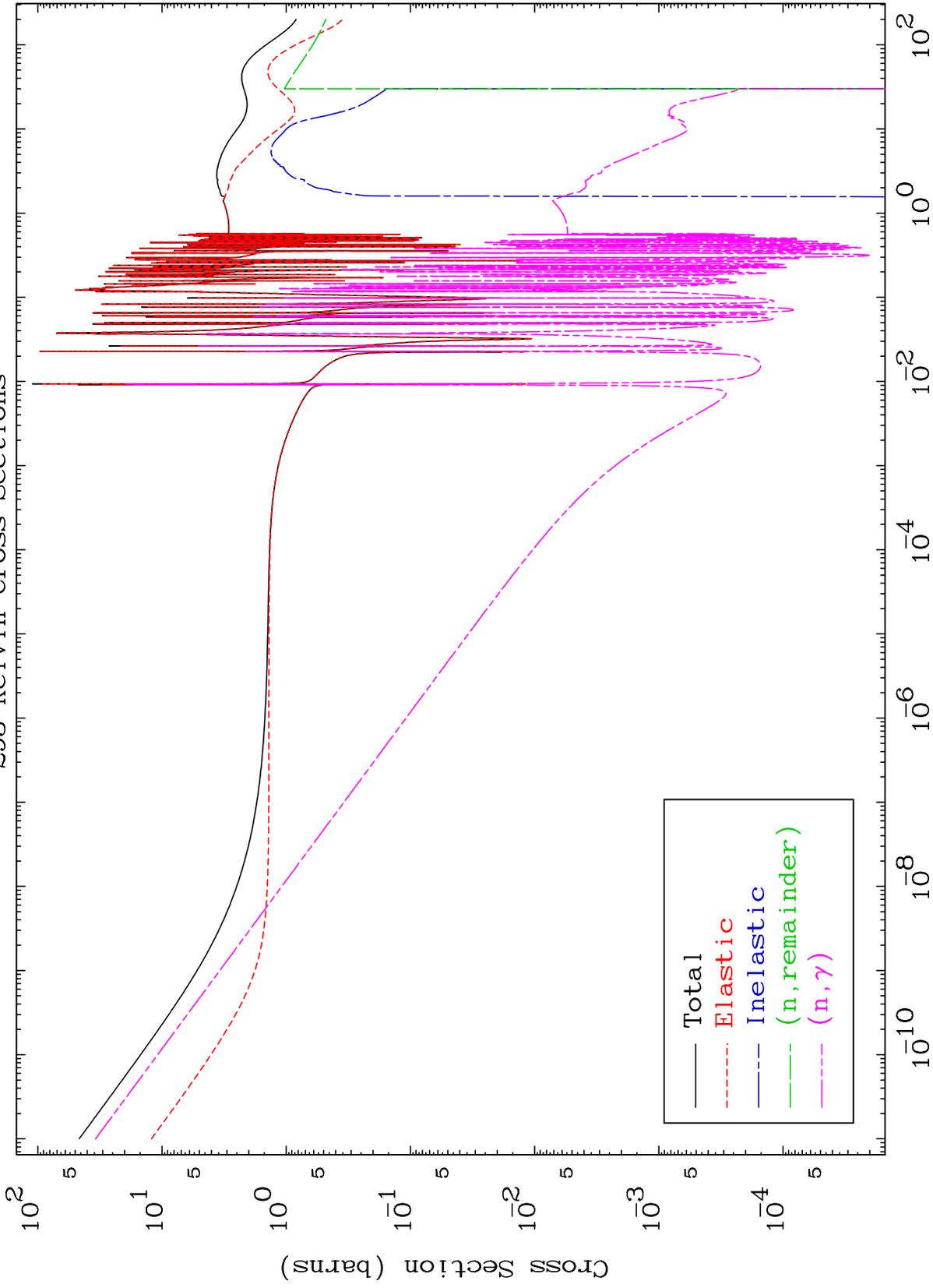
Press Mouse Button to Start

MAT 2031

Major

293 Kelvin Cross Sections

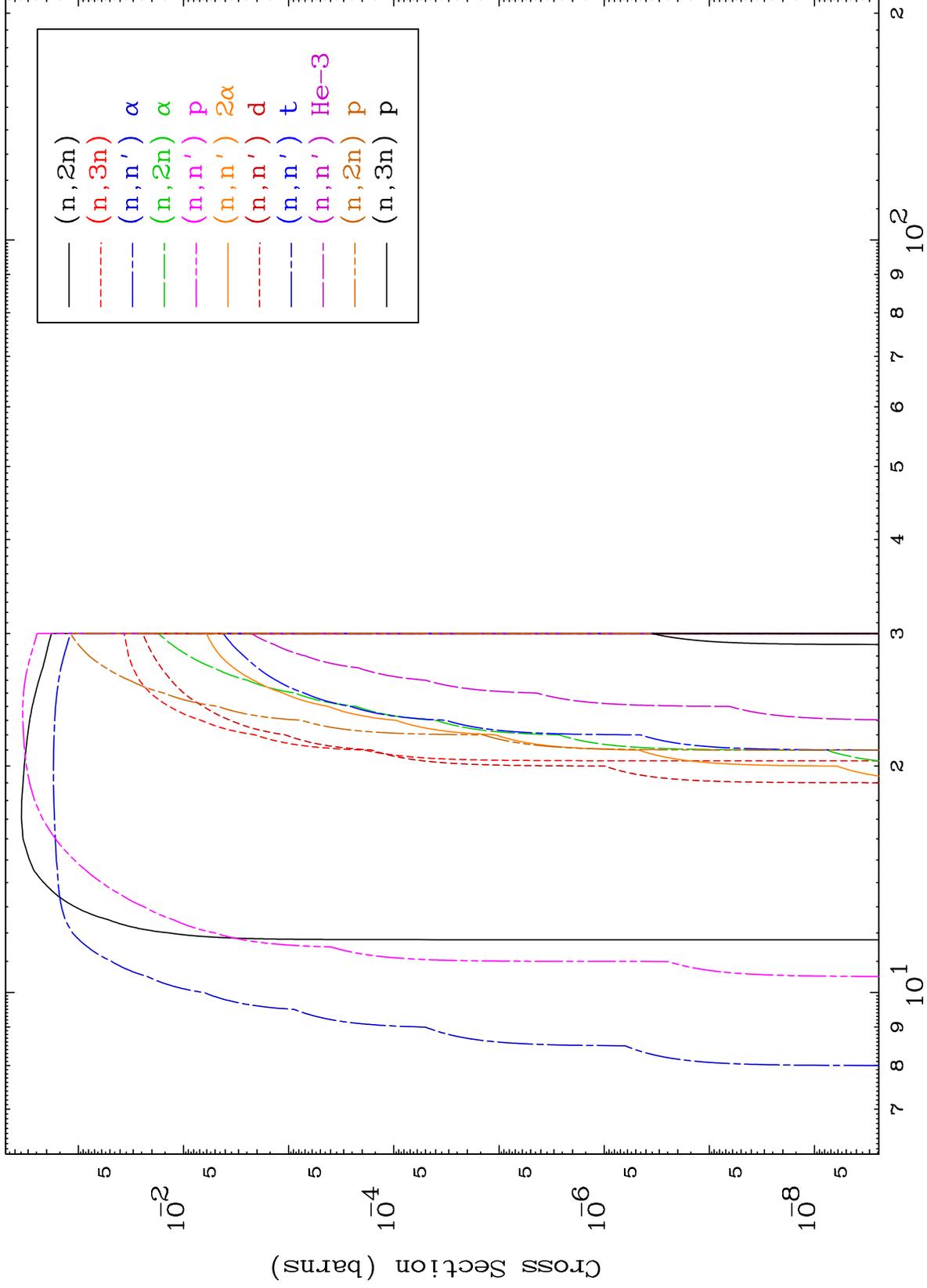
20-Ca-42



MAT 2031

Neutron Production 293 Kelvin Cross Sections

20-Ca-42



2

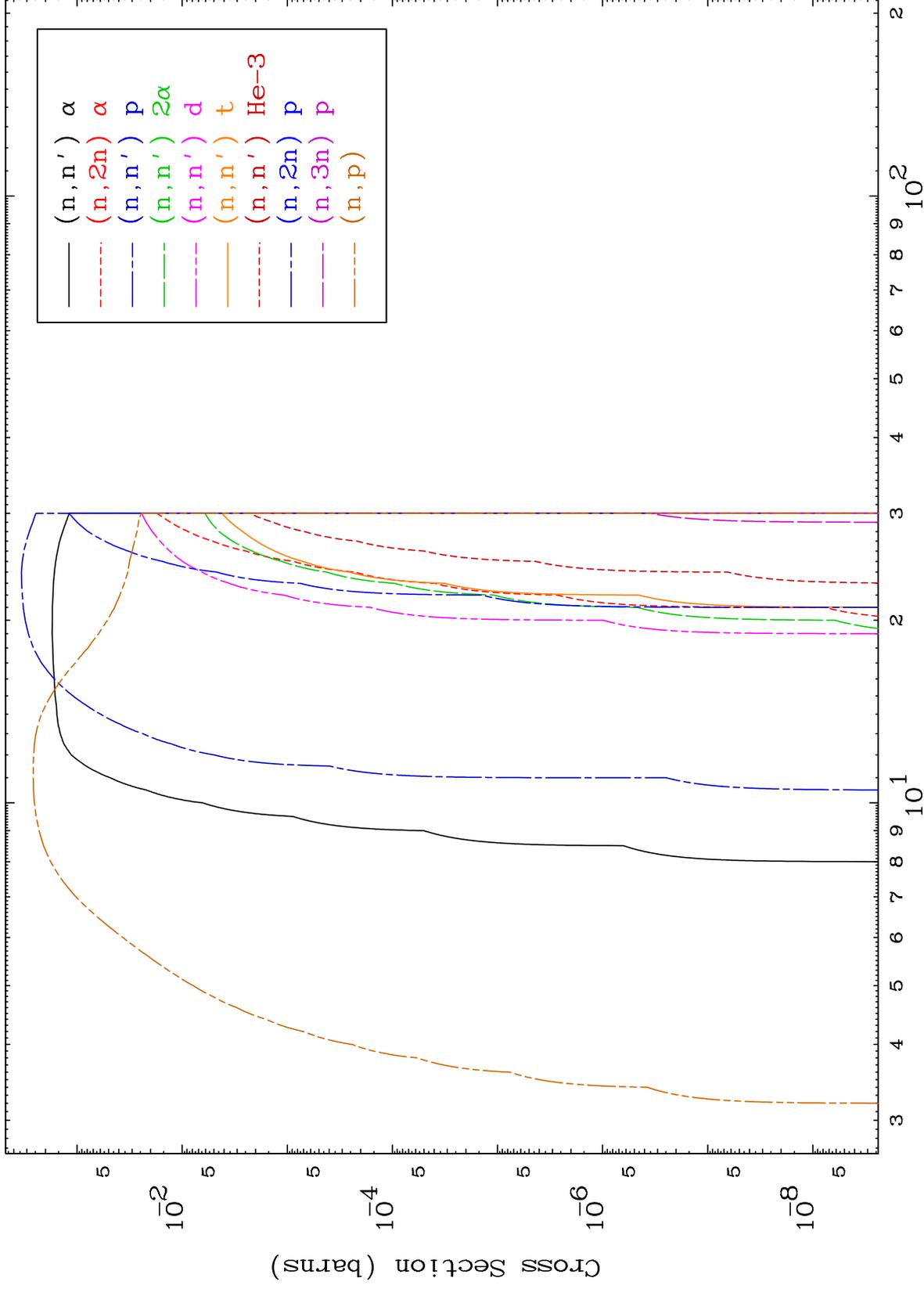
Incident Energy (MeV)

20-Ca-42

MAT 2031

Charged Particle
293 Kelvin Cross Sections

20-Ca-42



3

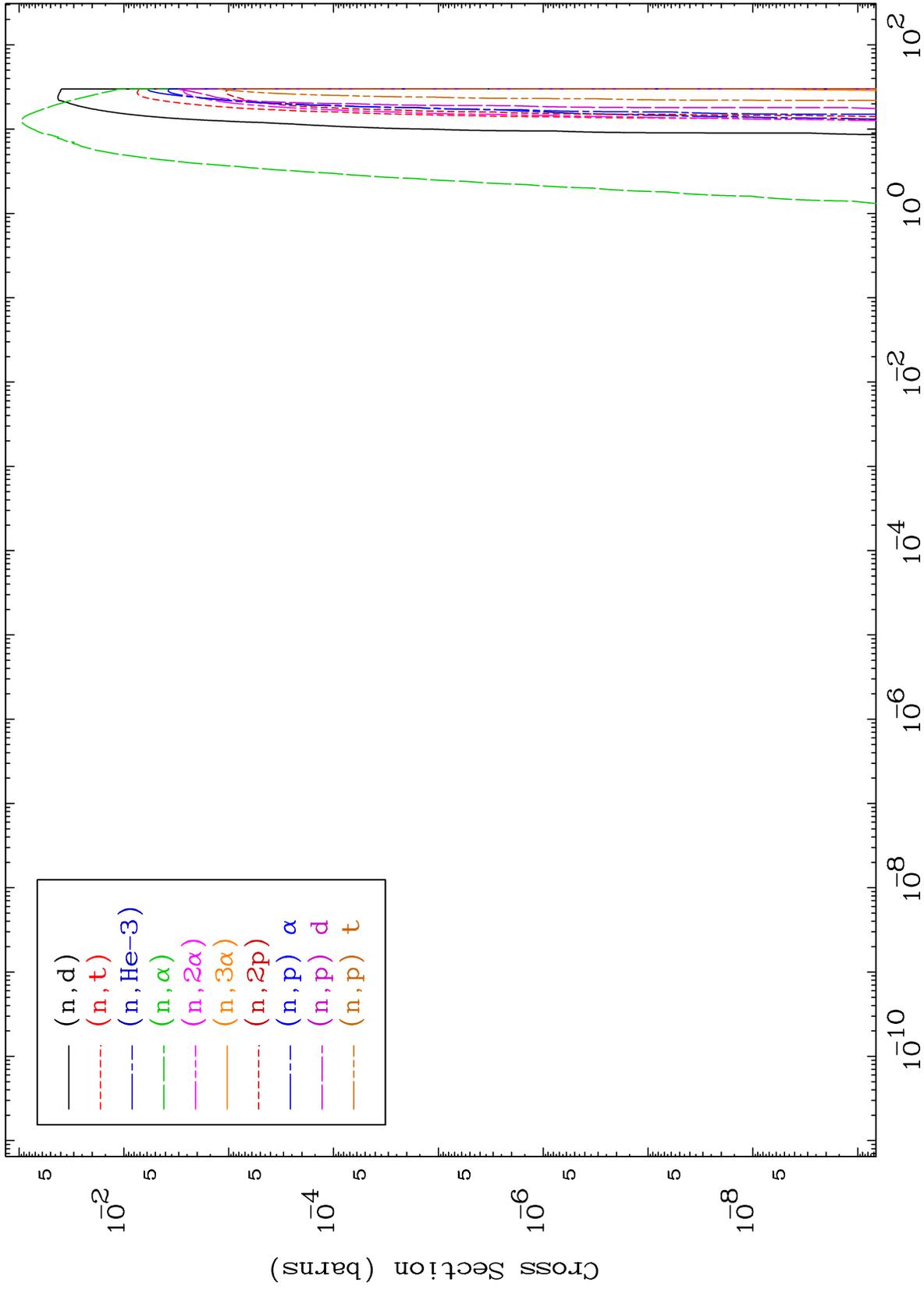
Incident Energy (MeV)

20-Ca-42

MAT 2031

293 Kelvin Cross Sections

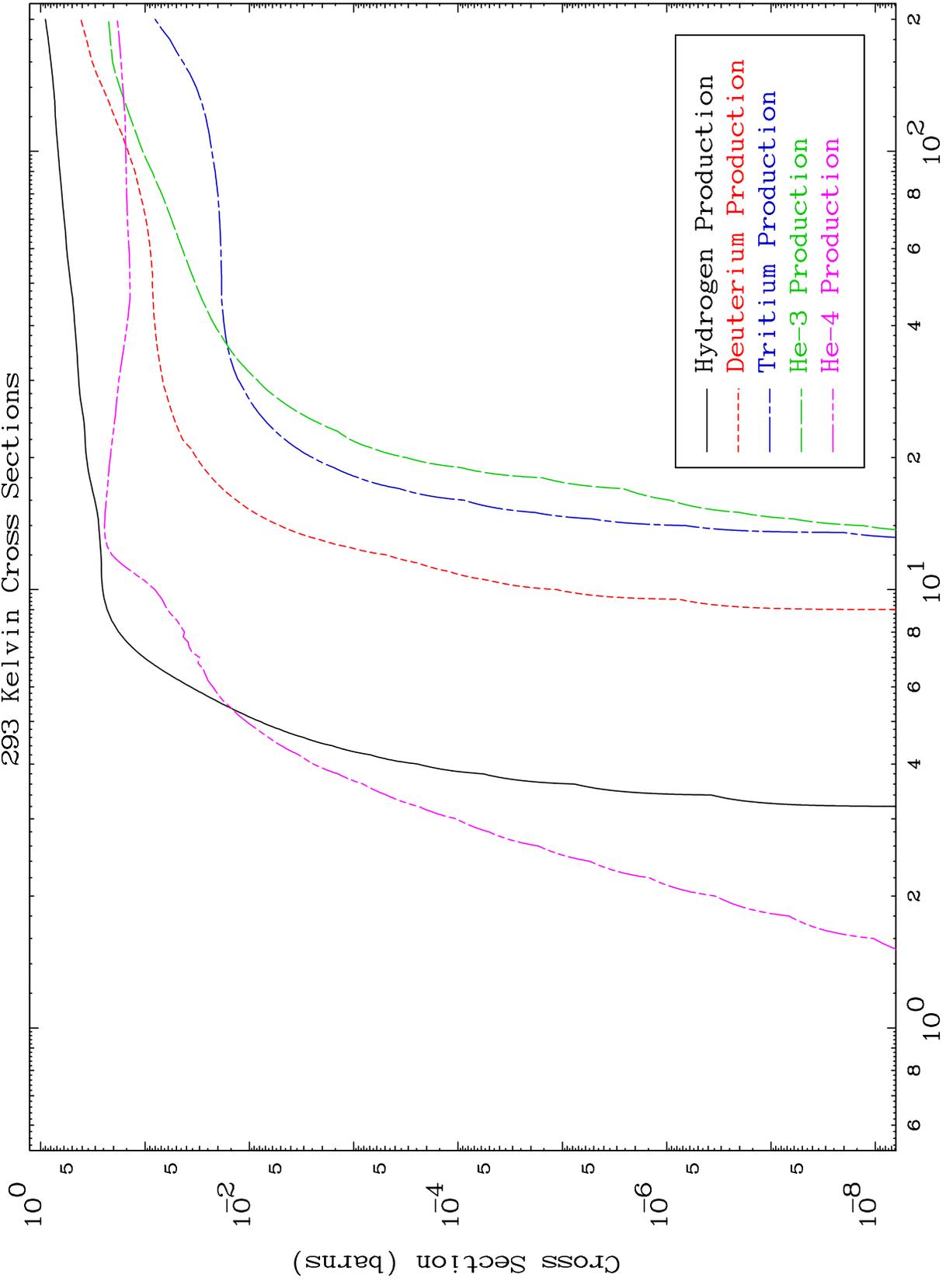
20-Ca-42



MAT 2031

Particle Production
293 Kelvin Cross Sections

20-Ca-42



5

Incident Energy (MeV)

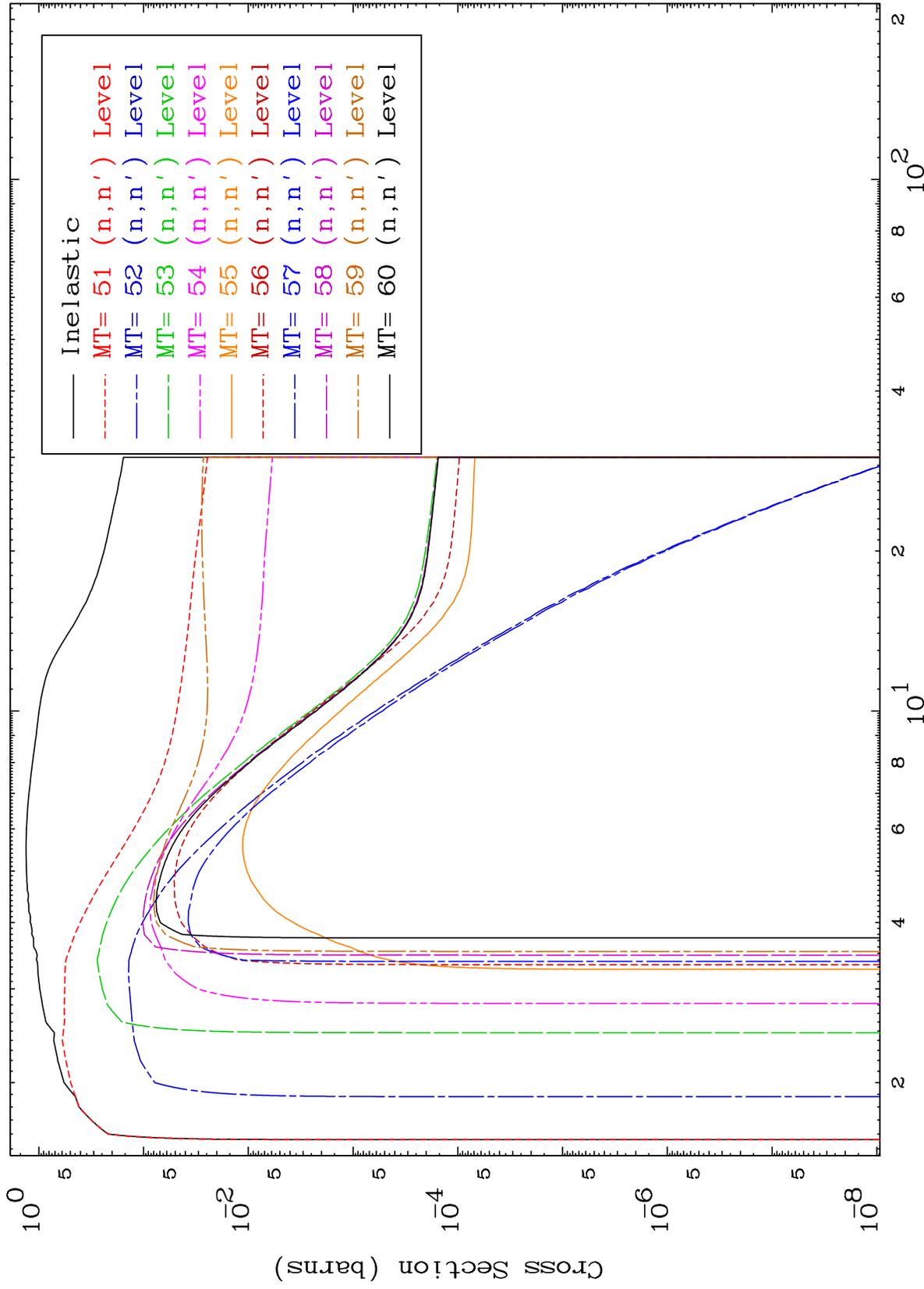
20-Ca-42

MAT 2031

(n,n') Level

20-Ca-42

293 Kelvin Cross Sections



6

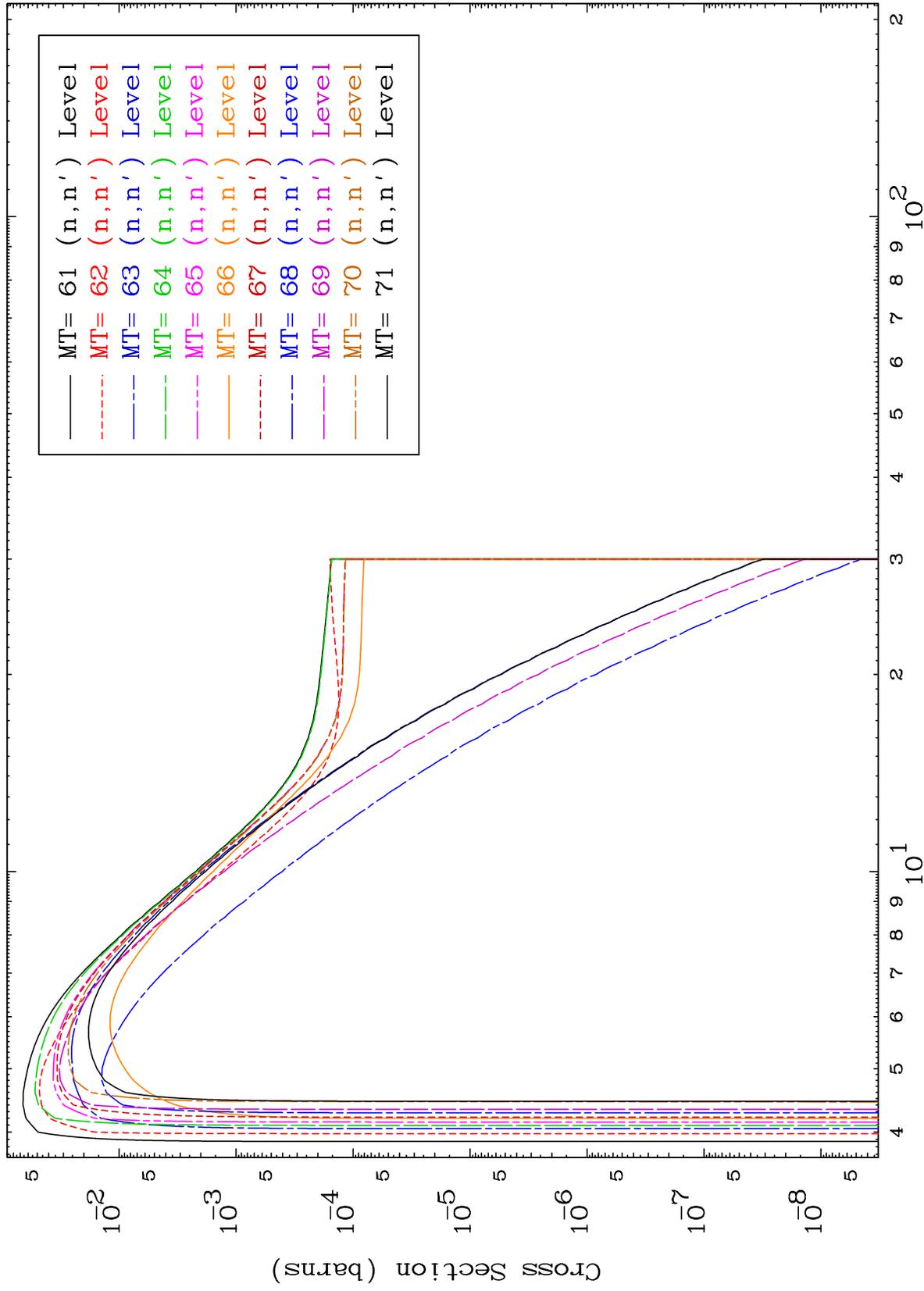
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20-Ca-42

MAT 2031

(n,n') Level
293 Kelvin Cross Sections

20-Ca-42



7

Incident Energy (MeV)

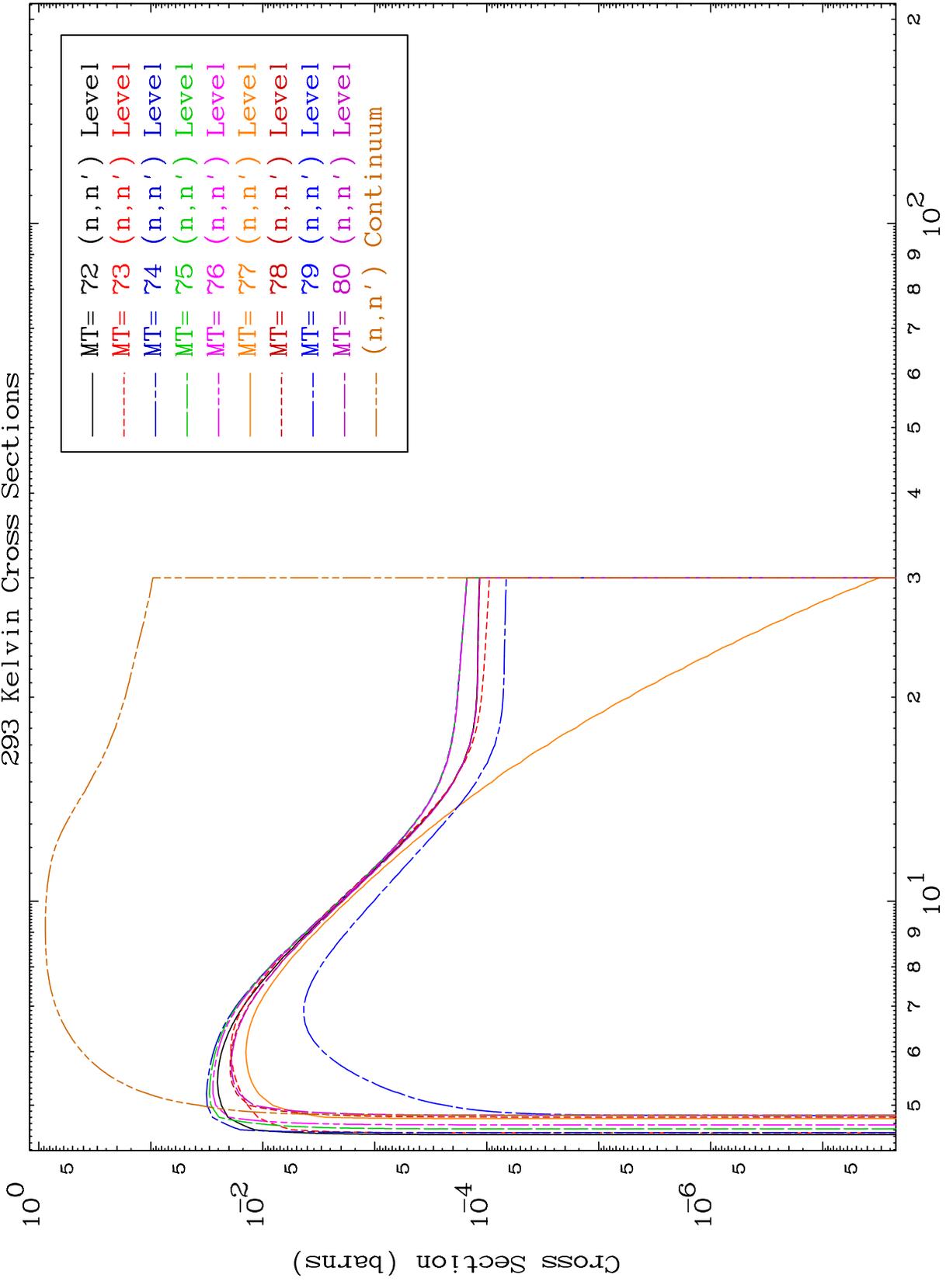
20-Ca-42

MAT 2031

(n,n') Level

293 Kelvin Cross Sections

20-Ca-42



20-Ca-42

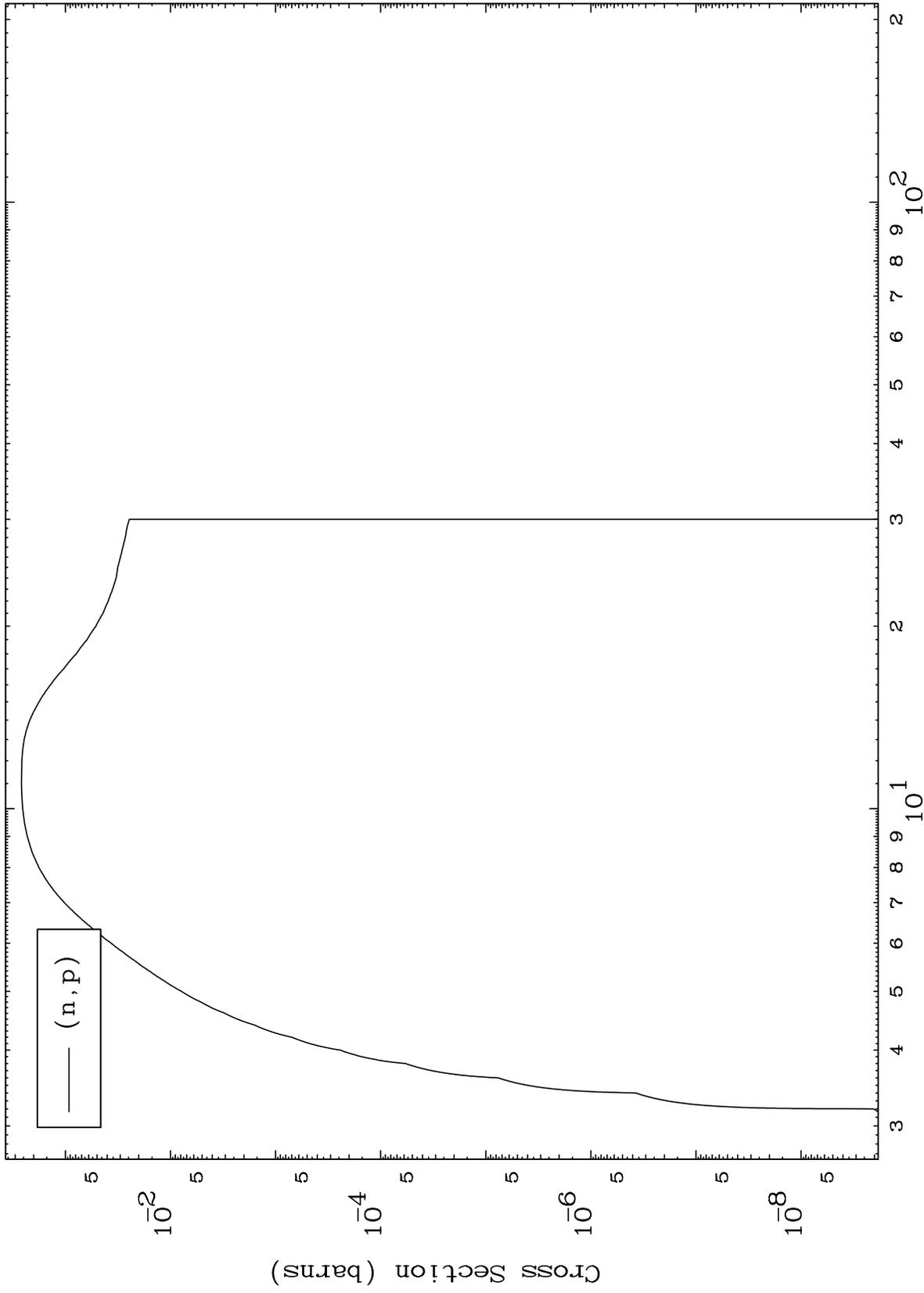
Incident Energy (MeV)

8

MAT 2031

(n,p) Levels
293 Kelvin Cross Sections

20-Ca-42



9

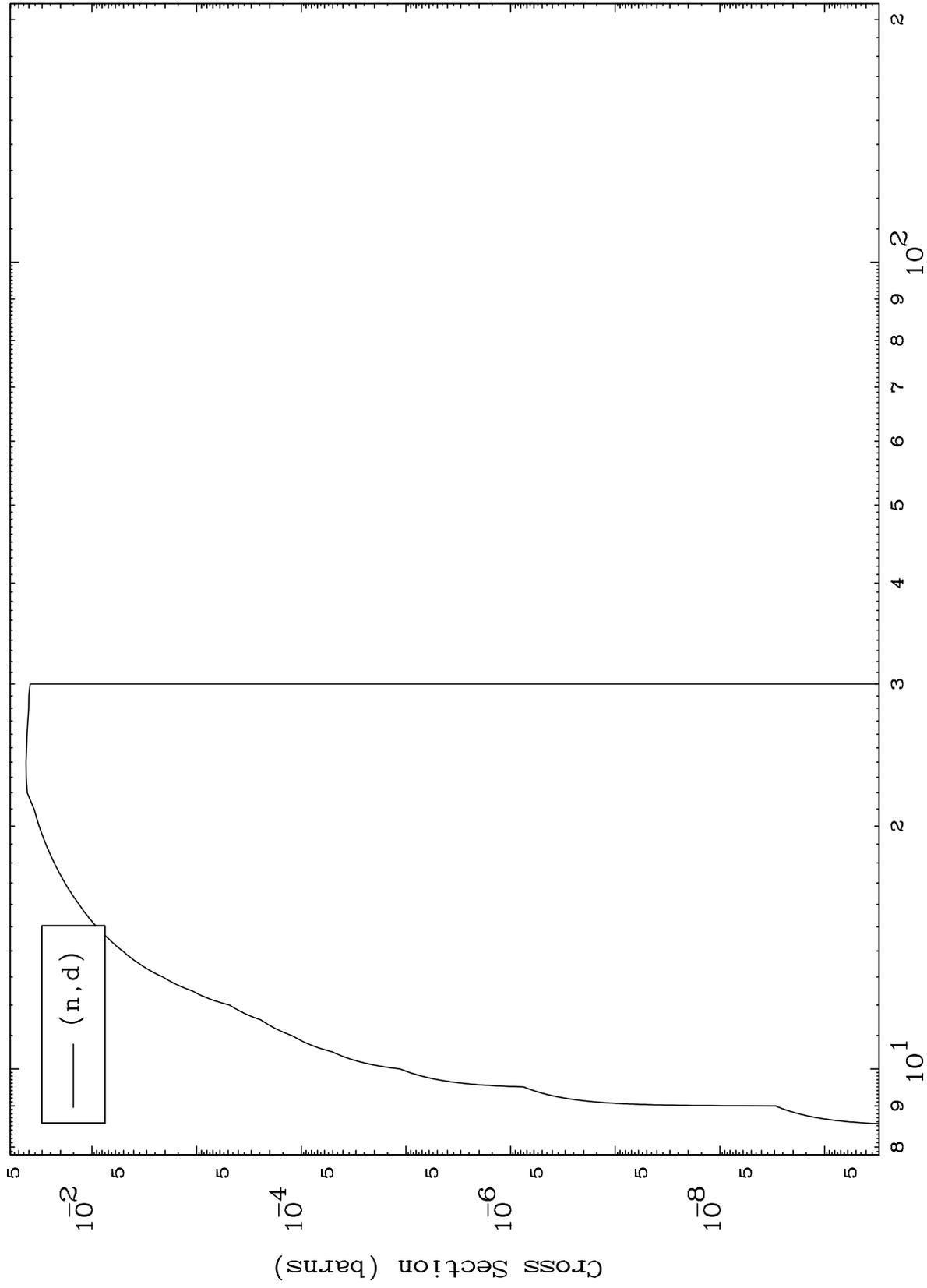
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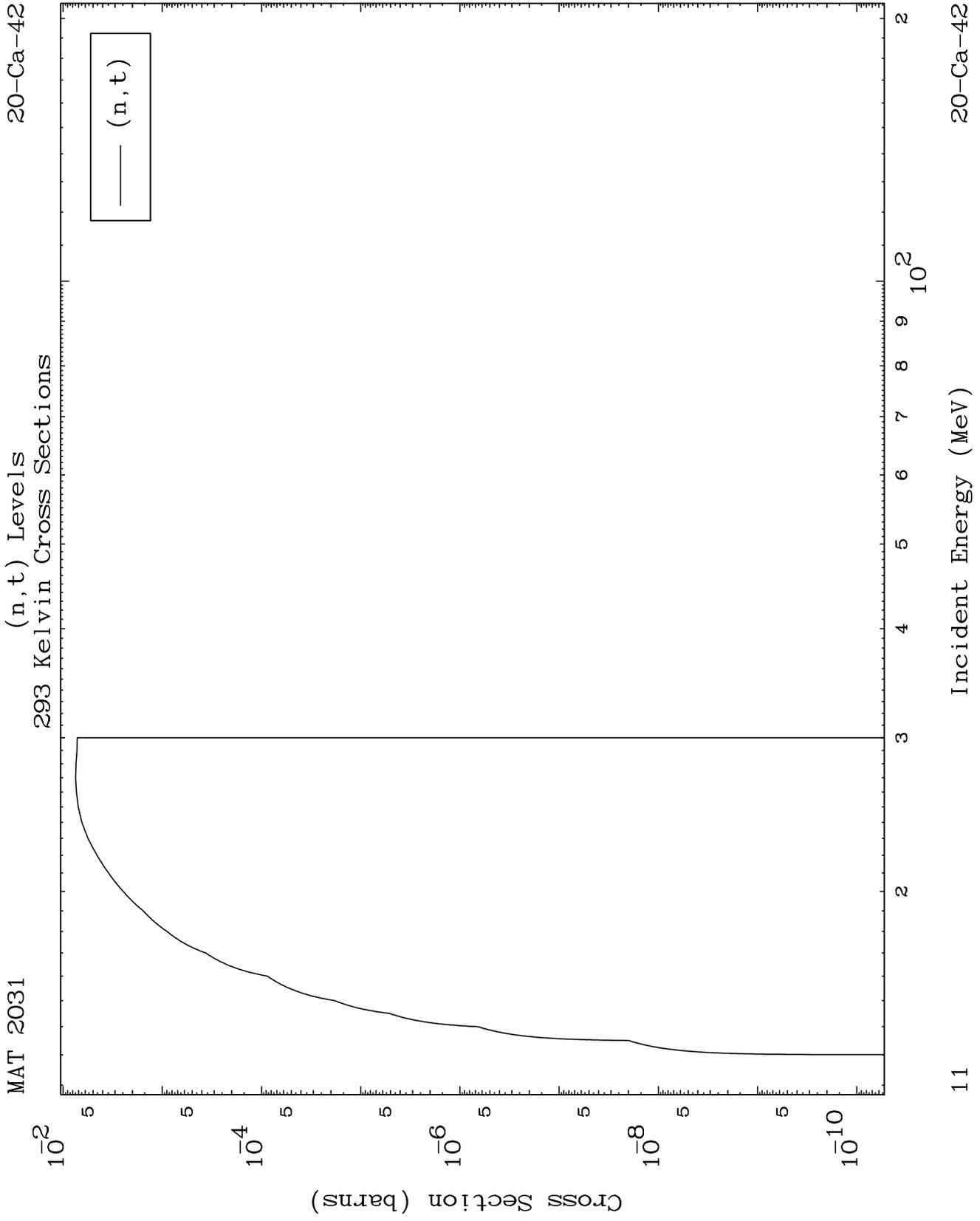
20-Ca-42

MAT 2031

(n,d) Levels
293 Kelvin Cross Sections

20-Ca-42

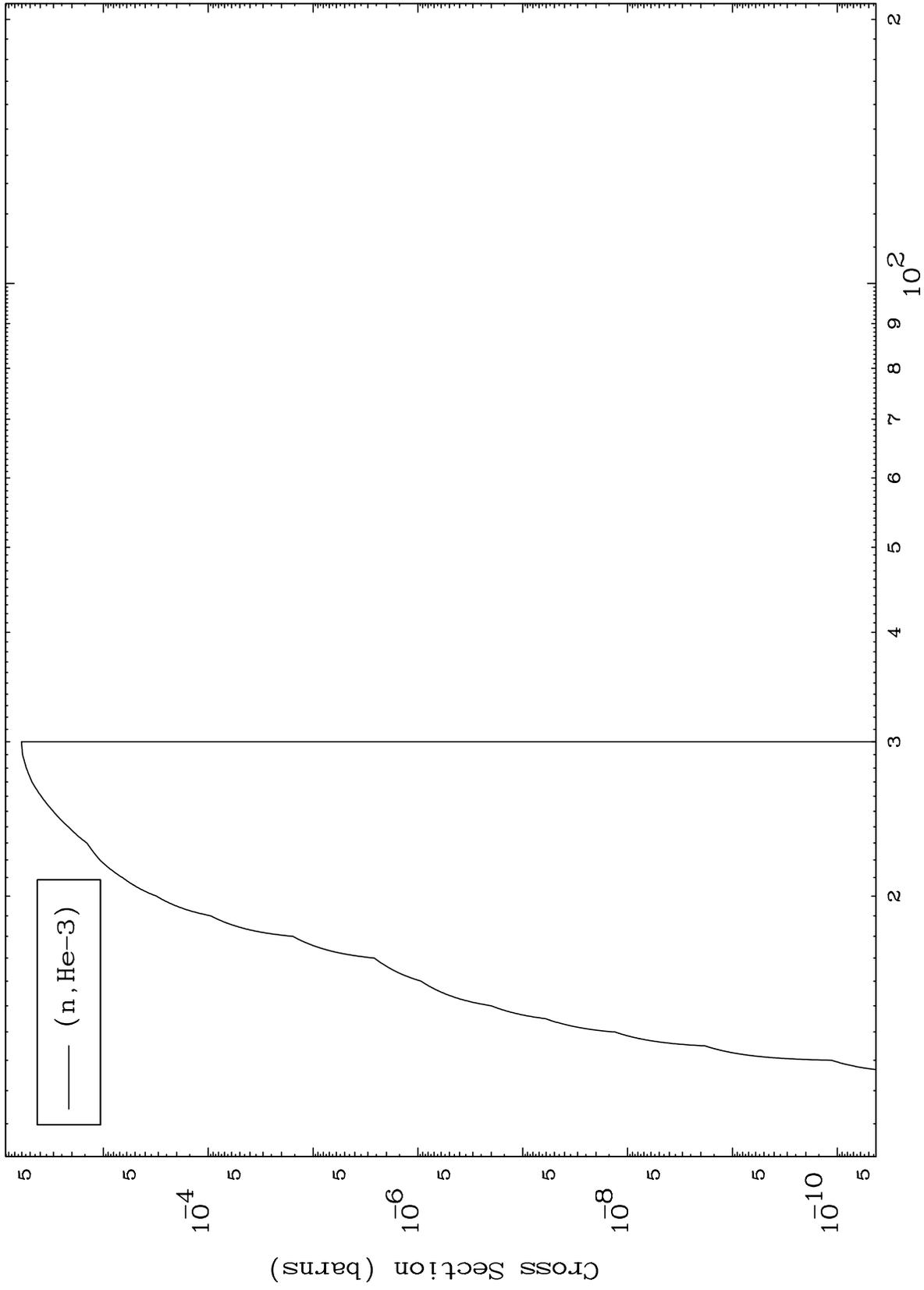




MAT 2031

(n,He3) Levels
293 Kelvin Cross Sections

20-Ca-42



12

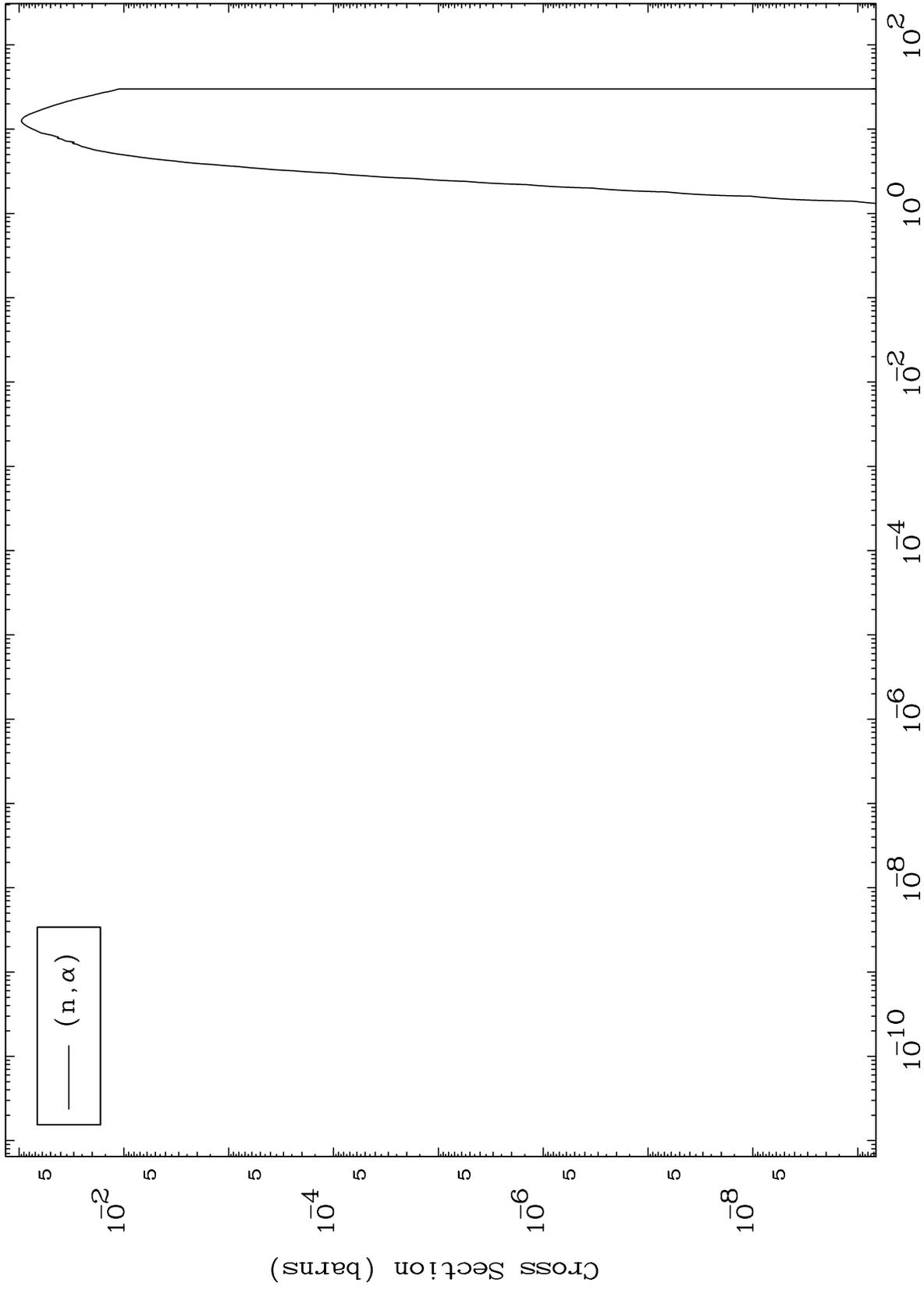
Incident Energy (MeV)

20-Ca-42

MAT 2031

(n,α) Levels
293 Kelvin Cross Sections

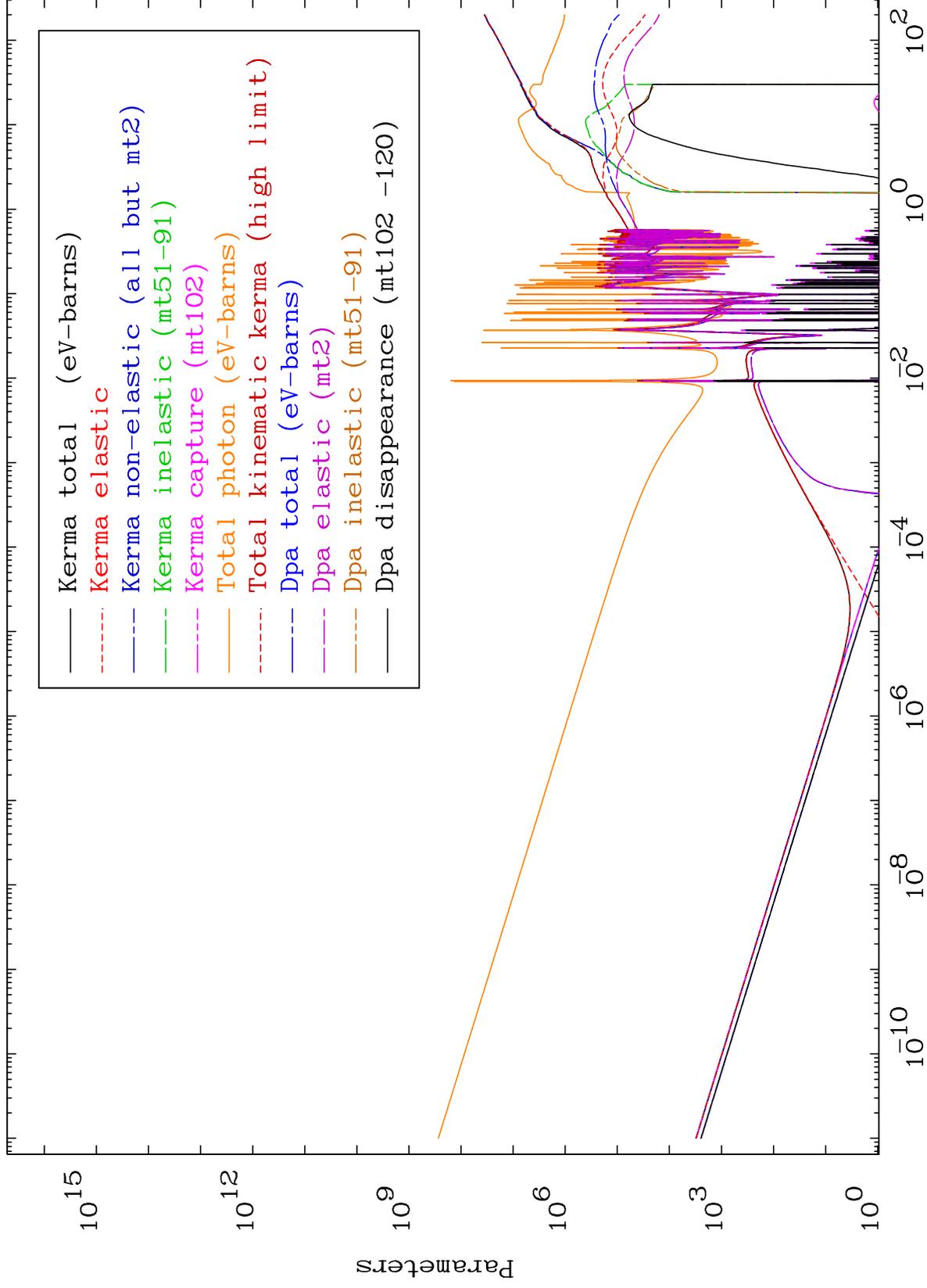
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13

Incident Energy (MeV)

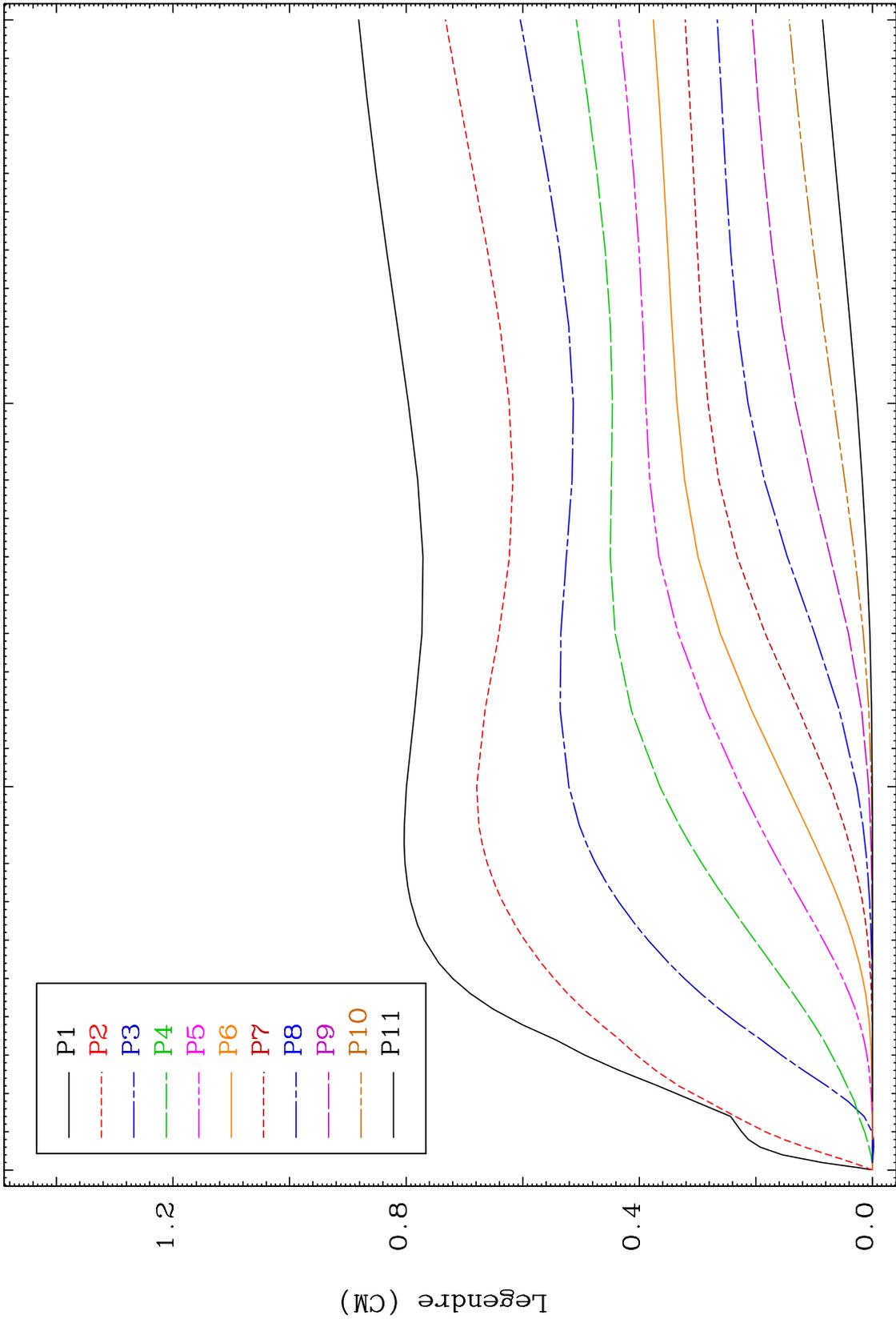
20-Ca-42



MAT 2031

Elastic Legendre Coefficients

20-Ca-42



0

15

10

20

30

Incident Energy (MeV)

20-Ca-42

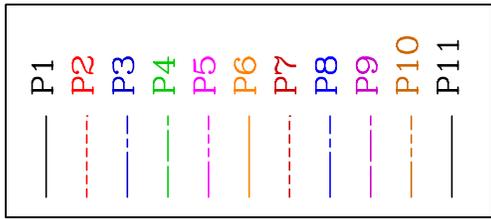
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0.4

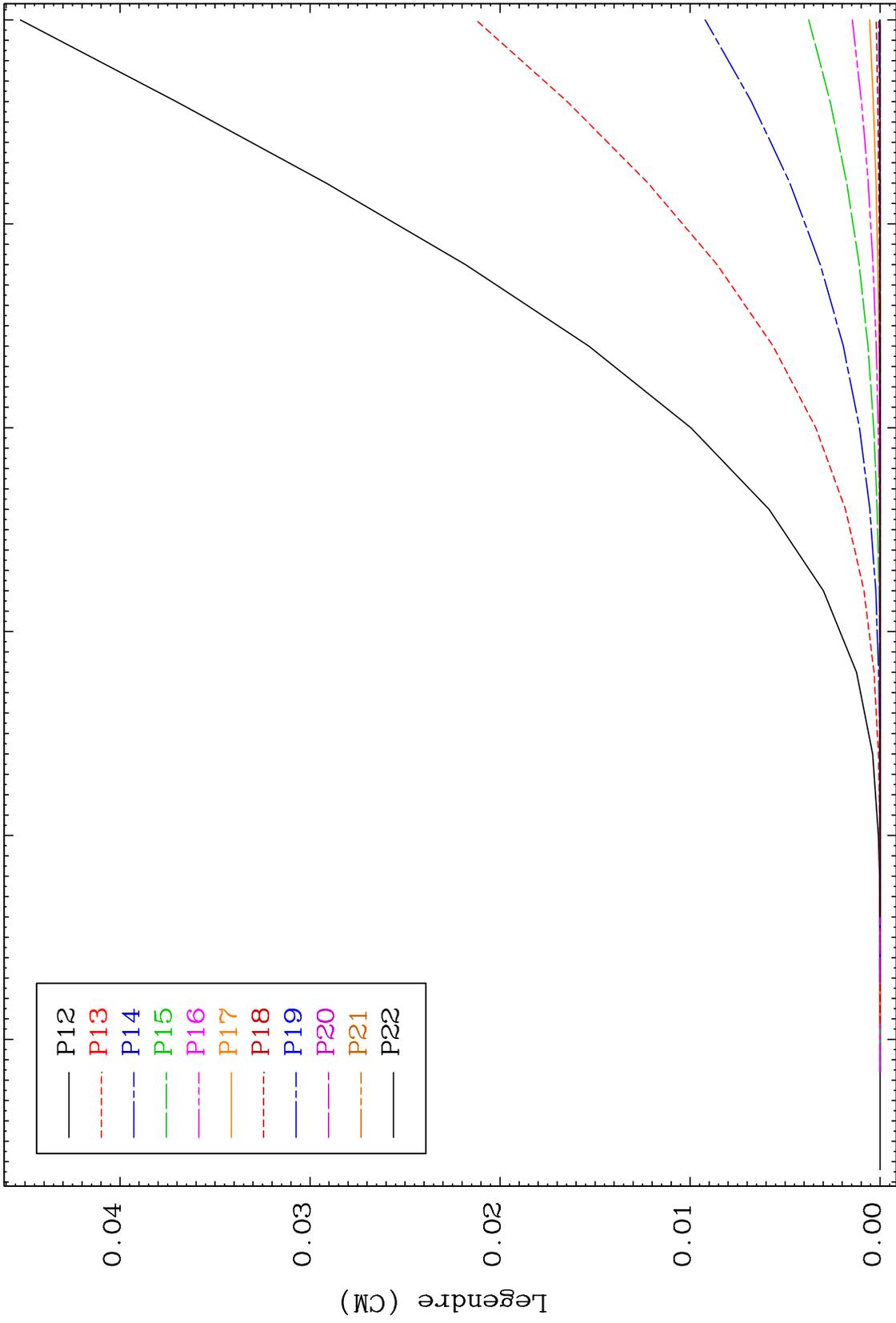
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MAT 2031

Elastic Legendre Coefficients

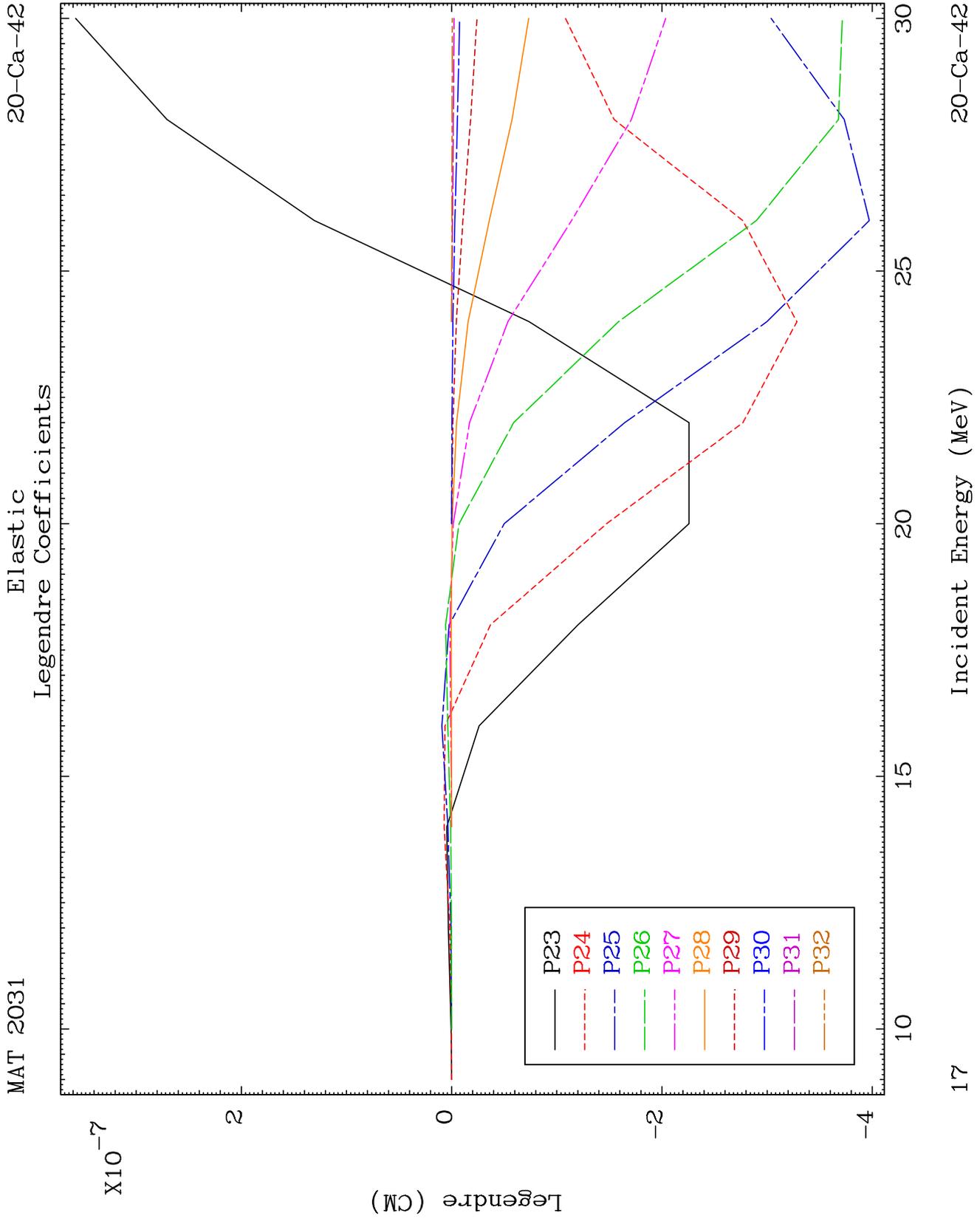
20-Ca-42



16

Incident Energy (MeV)

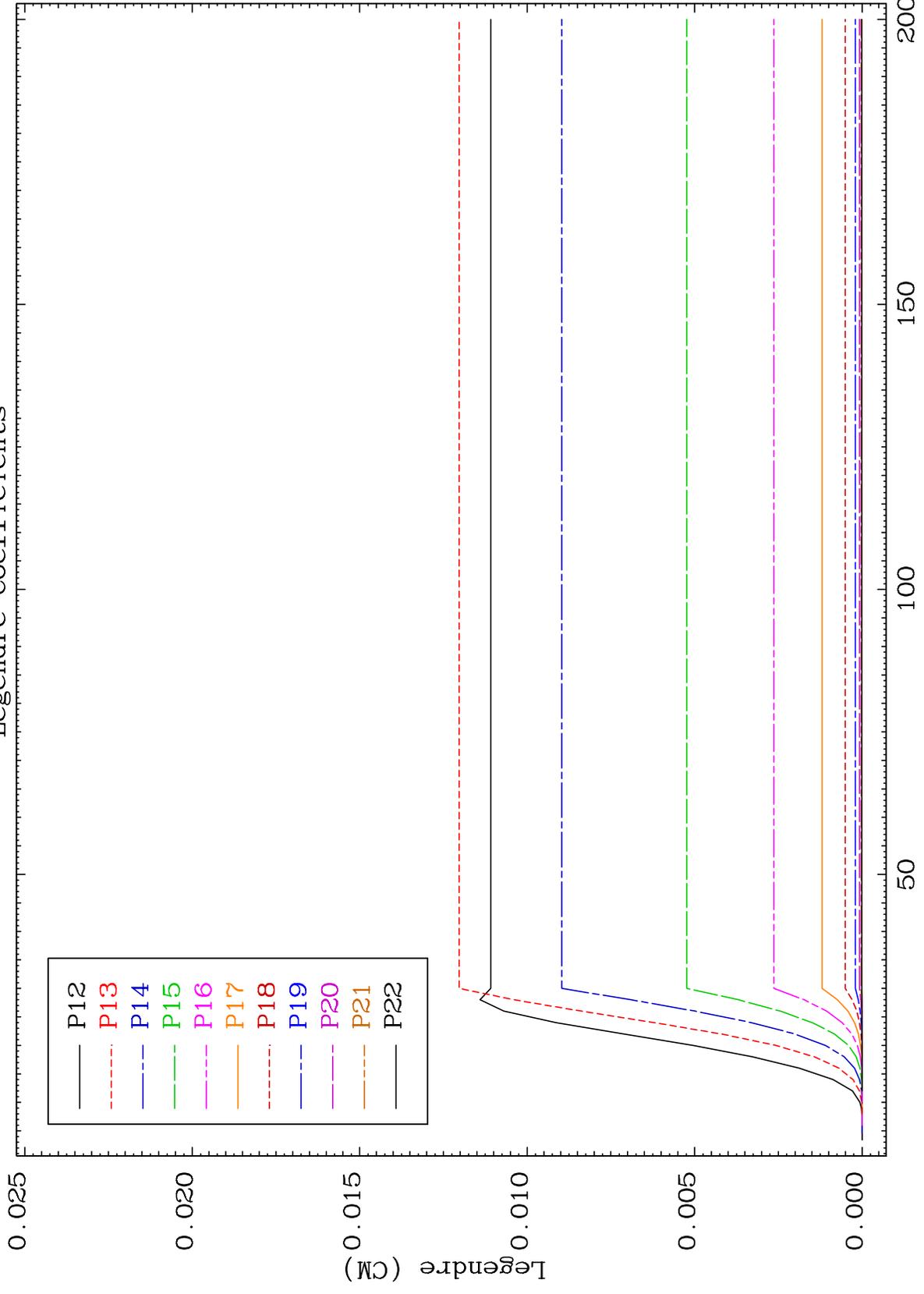
20-Ca-42



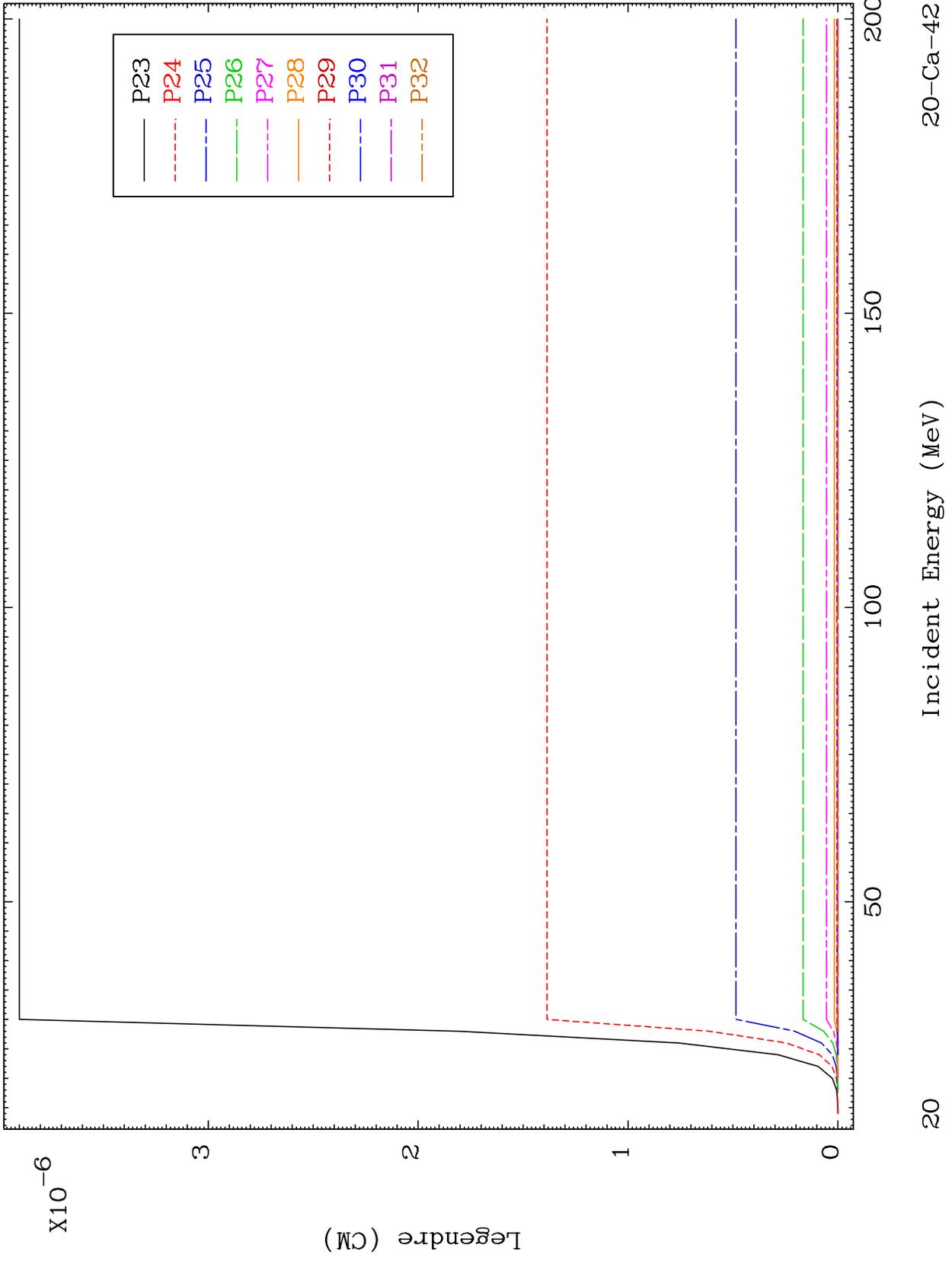
MAT 2031 MT= 51 (n,n') Level Legendre Coefficients

20-Ca-42

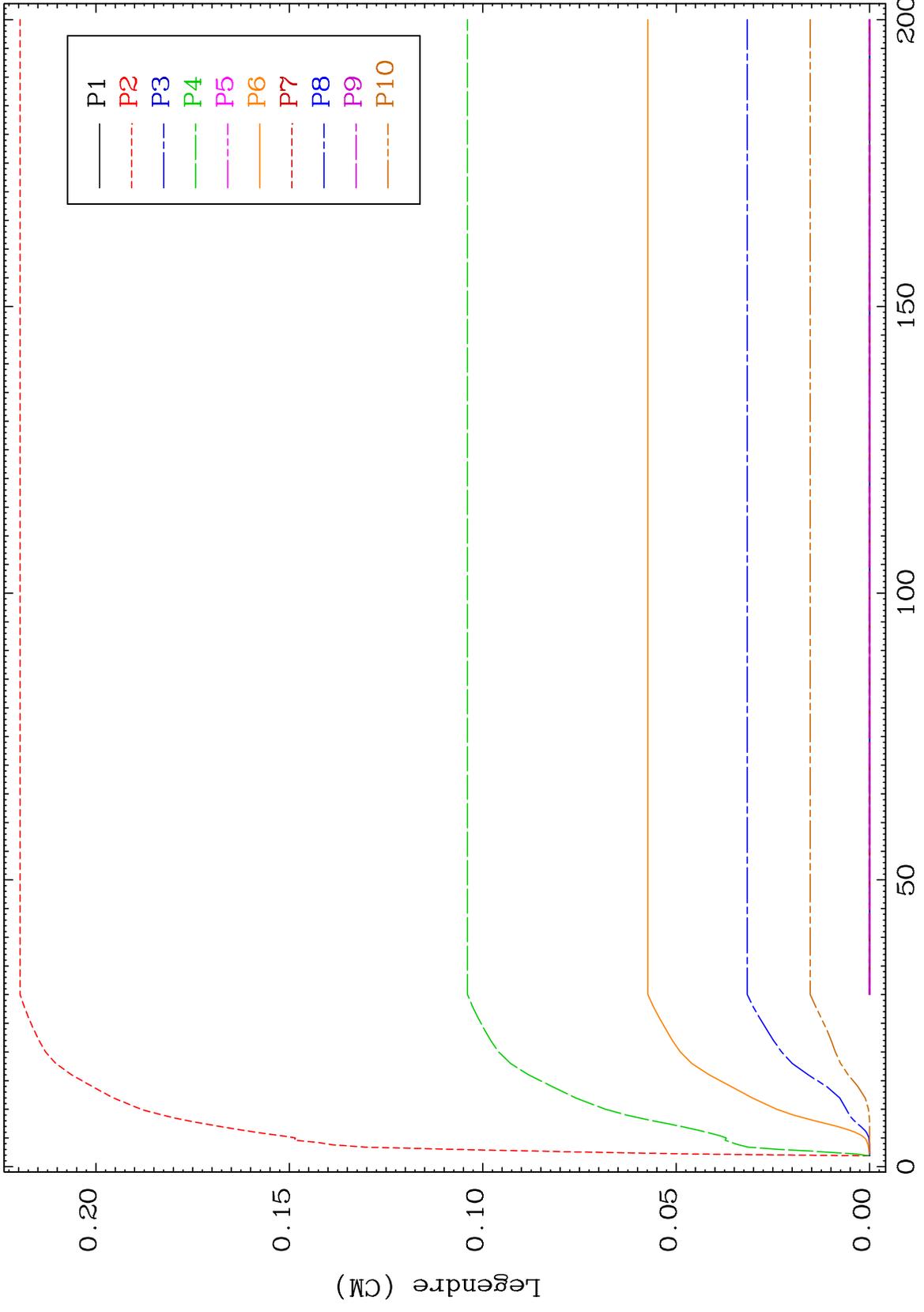
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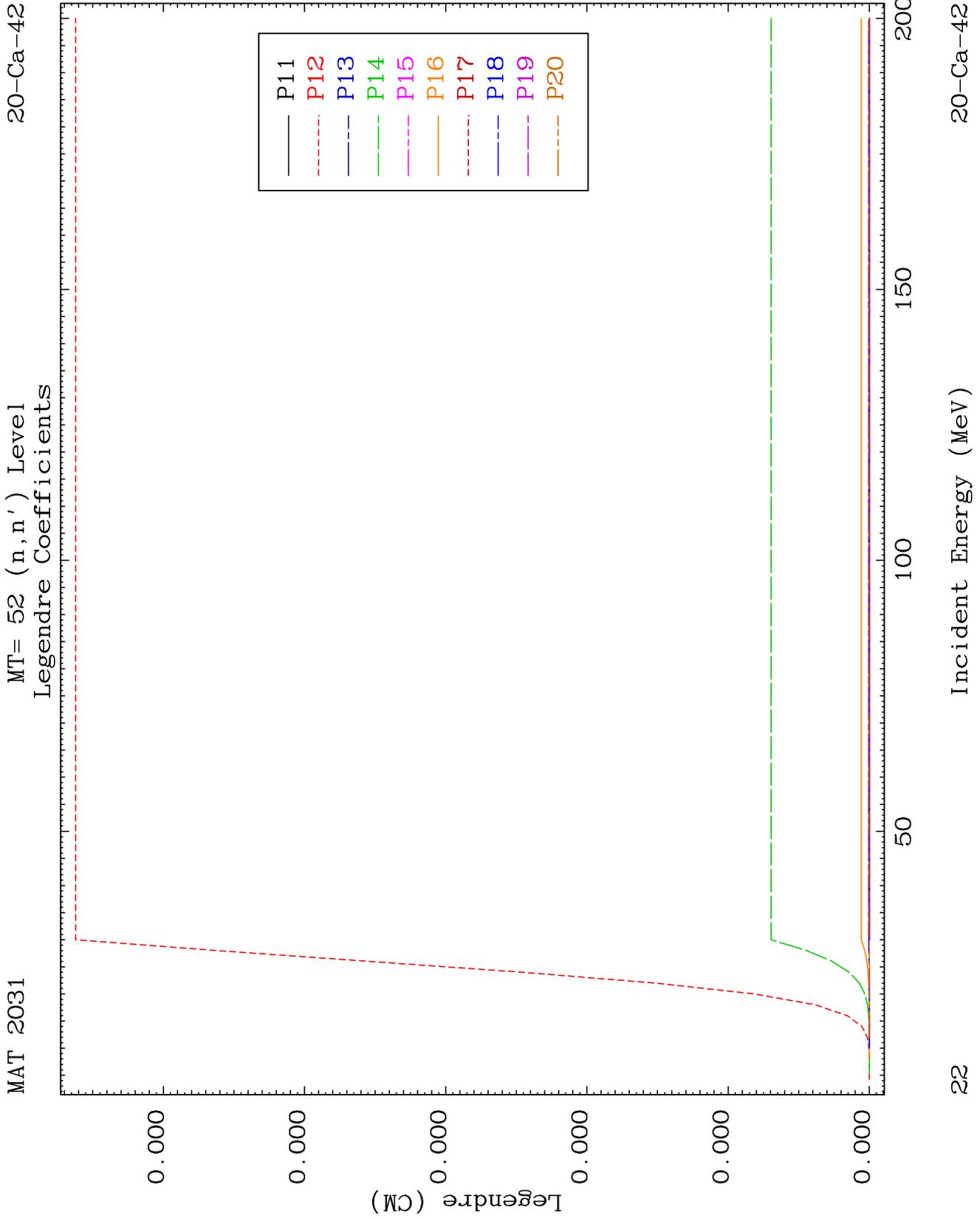
MAT 2031 MT= 51 (n,n') Level Legendre Coefficients 20-Ca-42



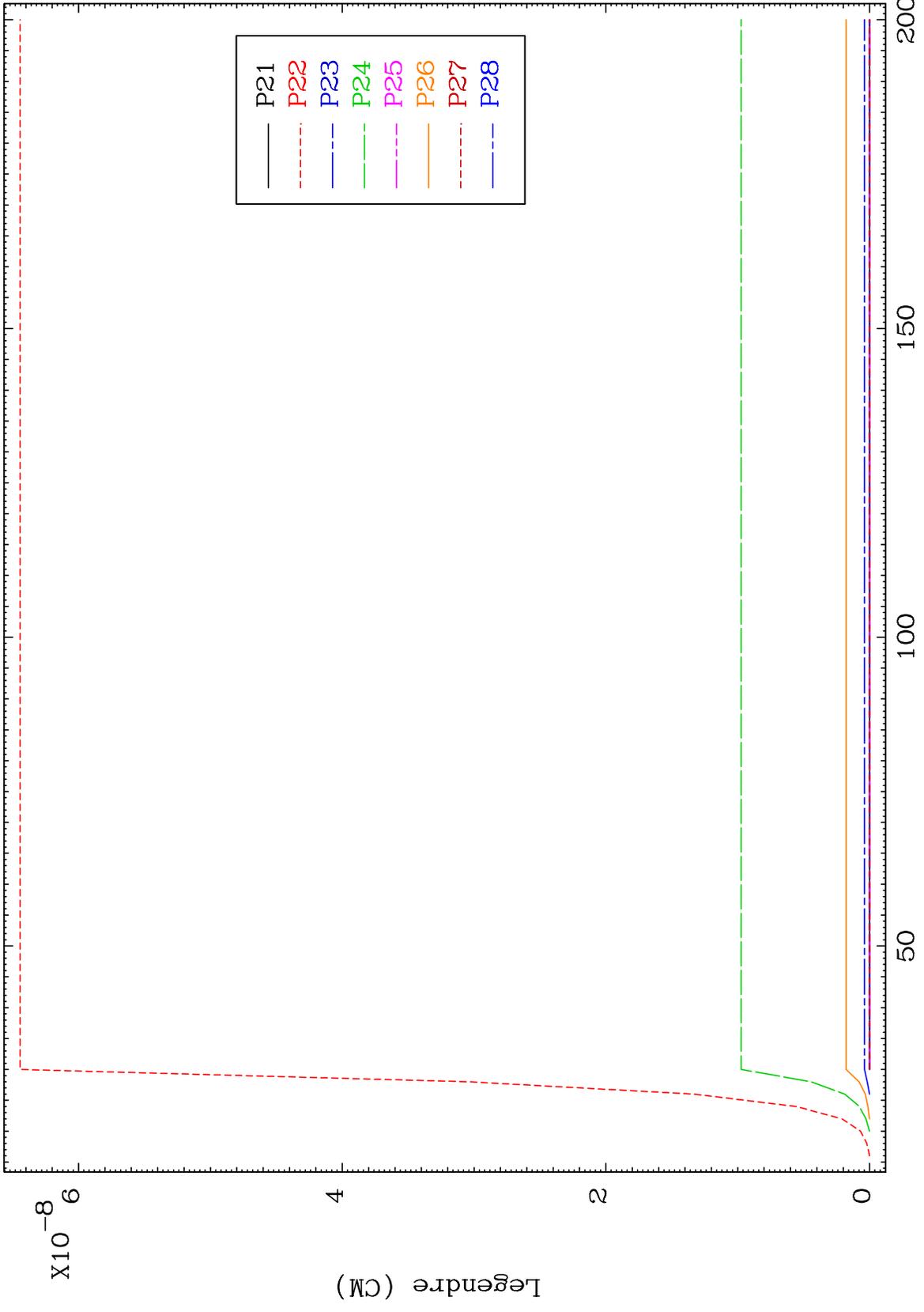
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21 20-Ca-42

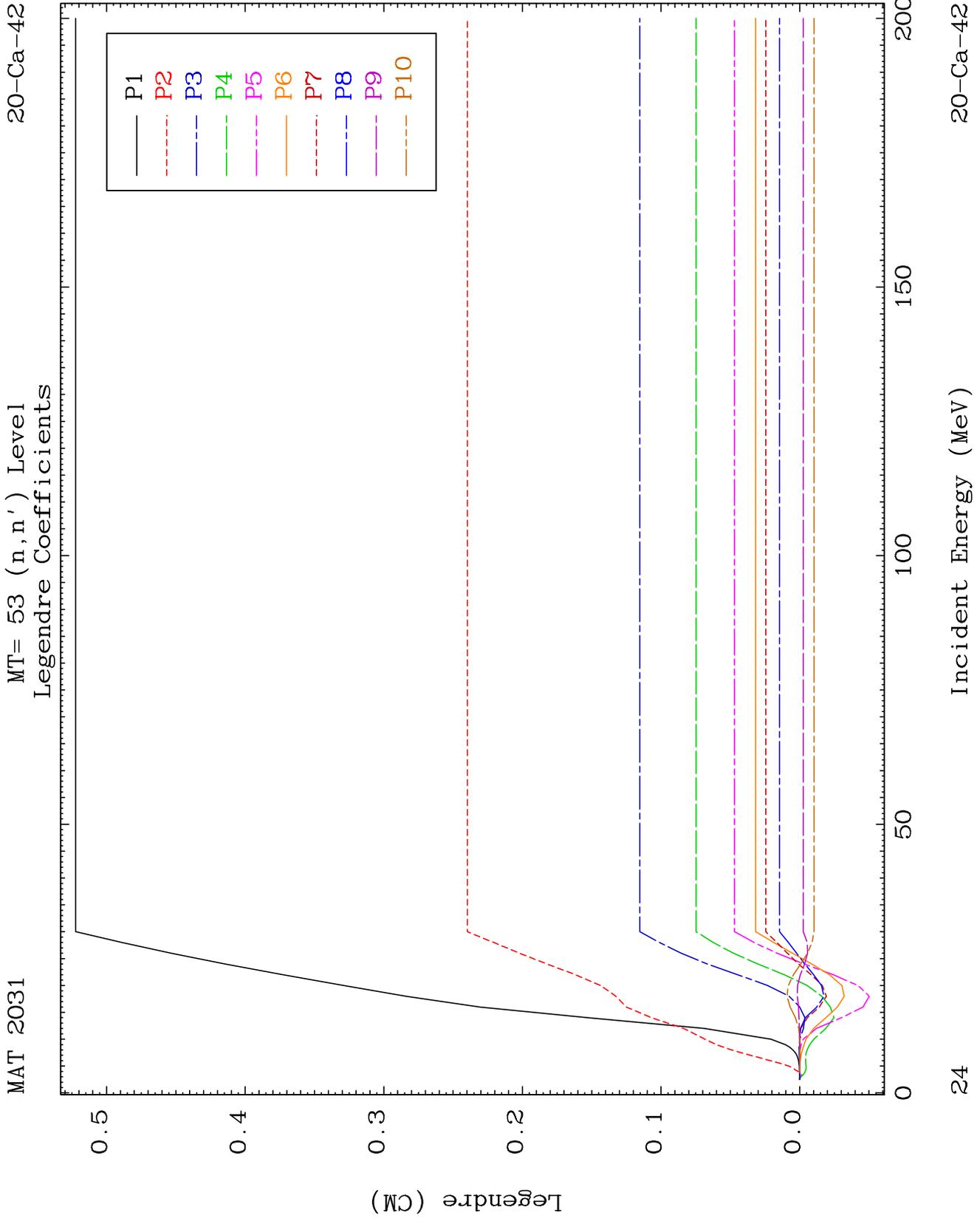


MAT 2031 MT= 52 (n,n') Level Legendre Coefficients 20-Ca-42



23

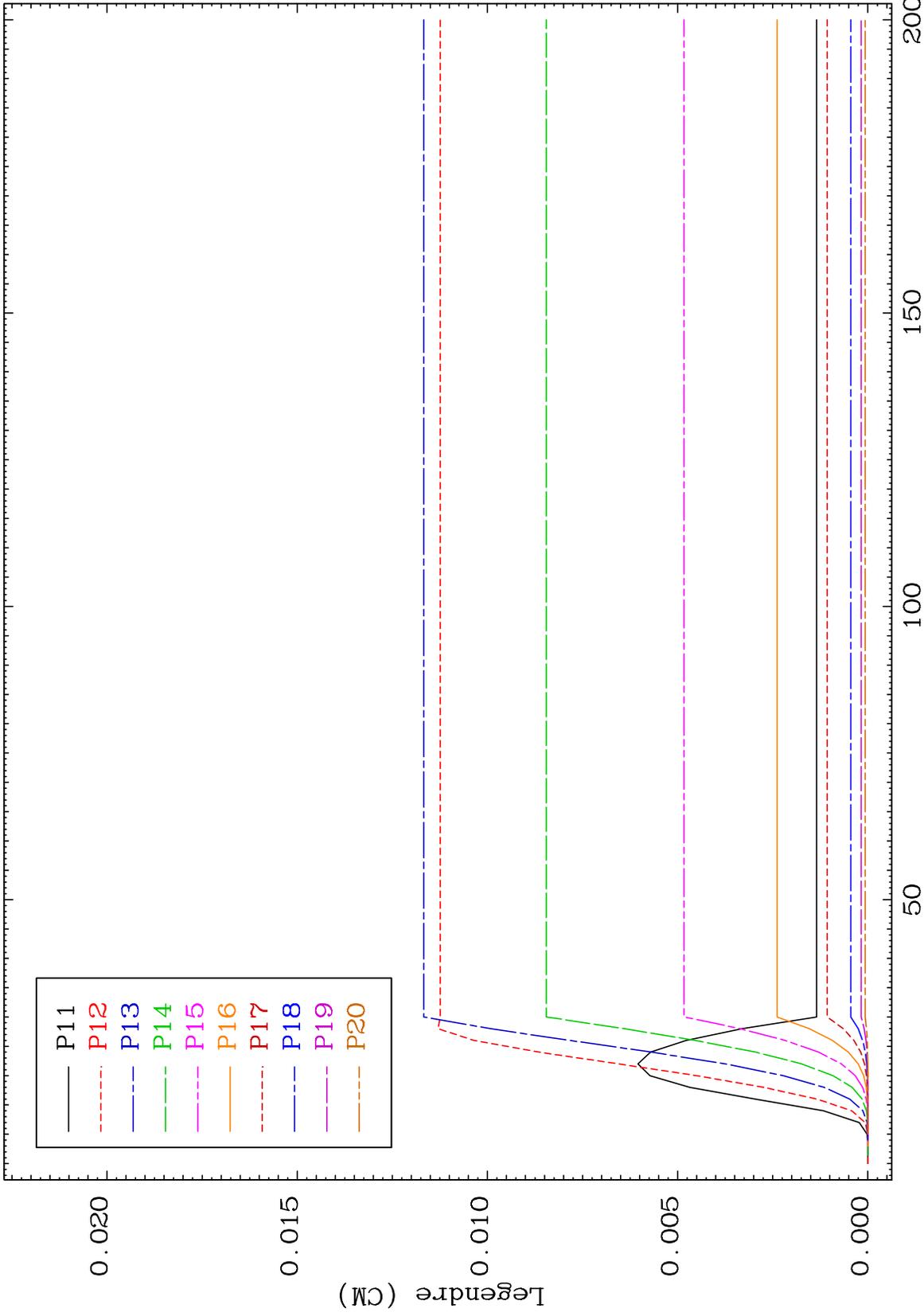
20-Ca-42



MAT 2031

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

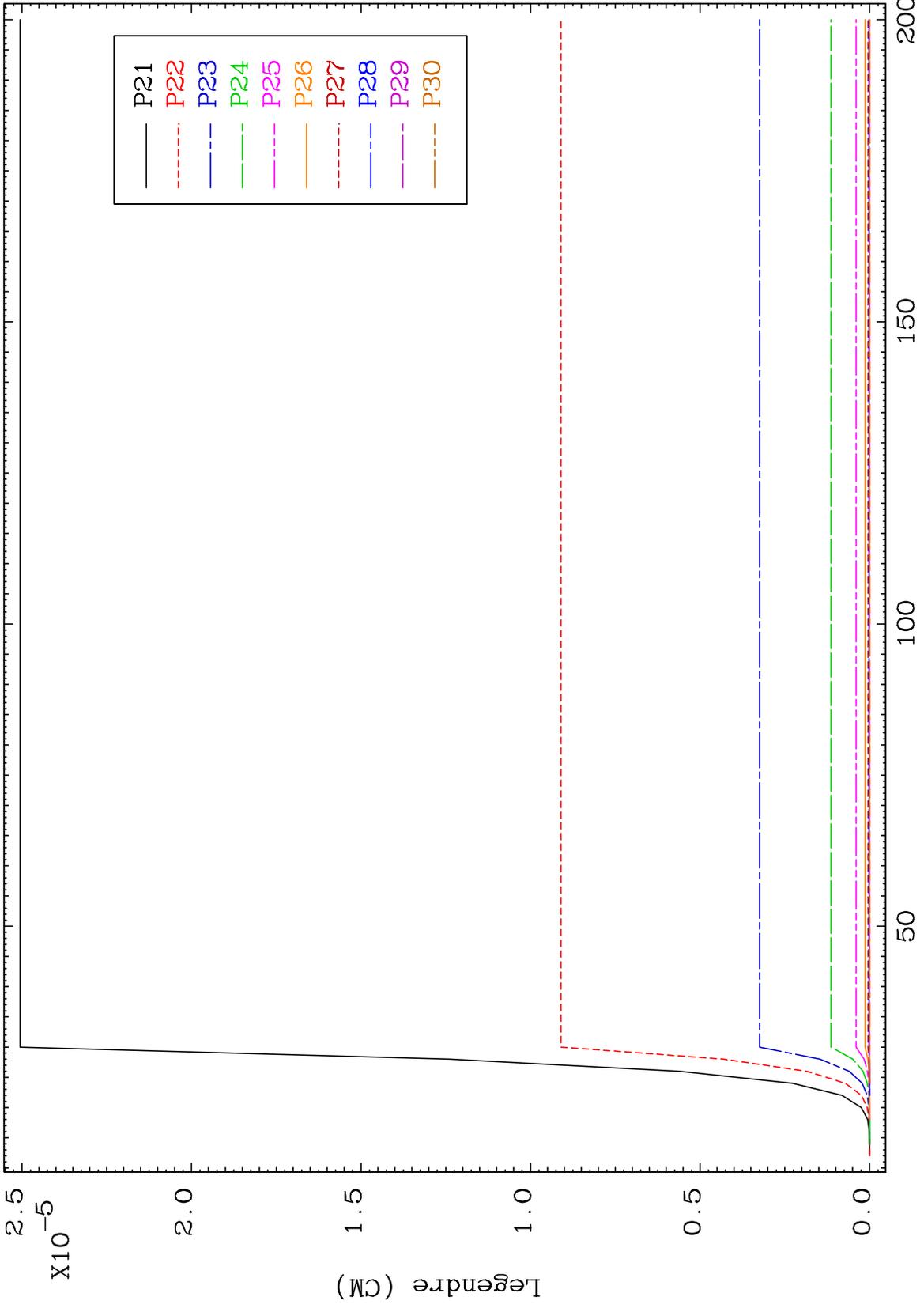
20-Ca-42



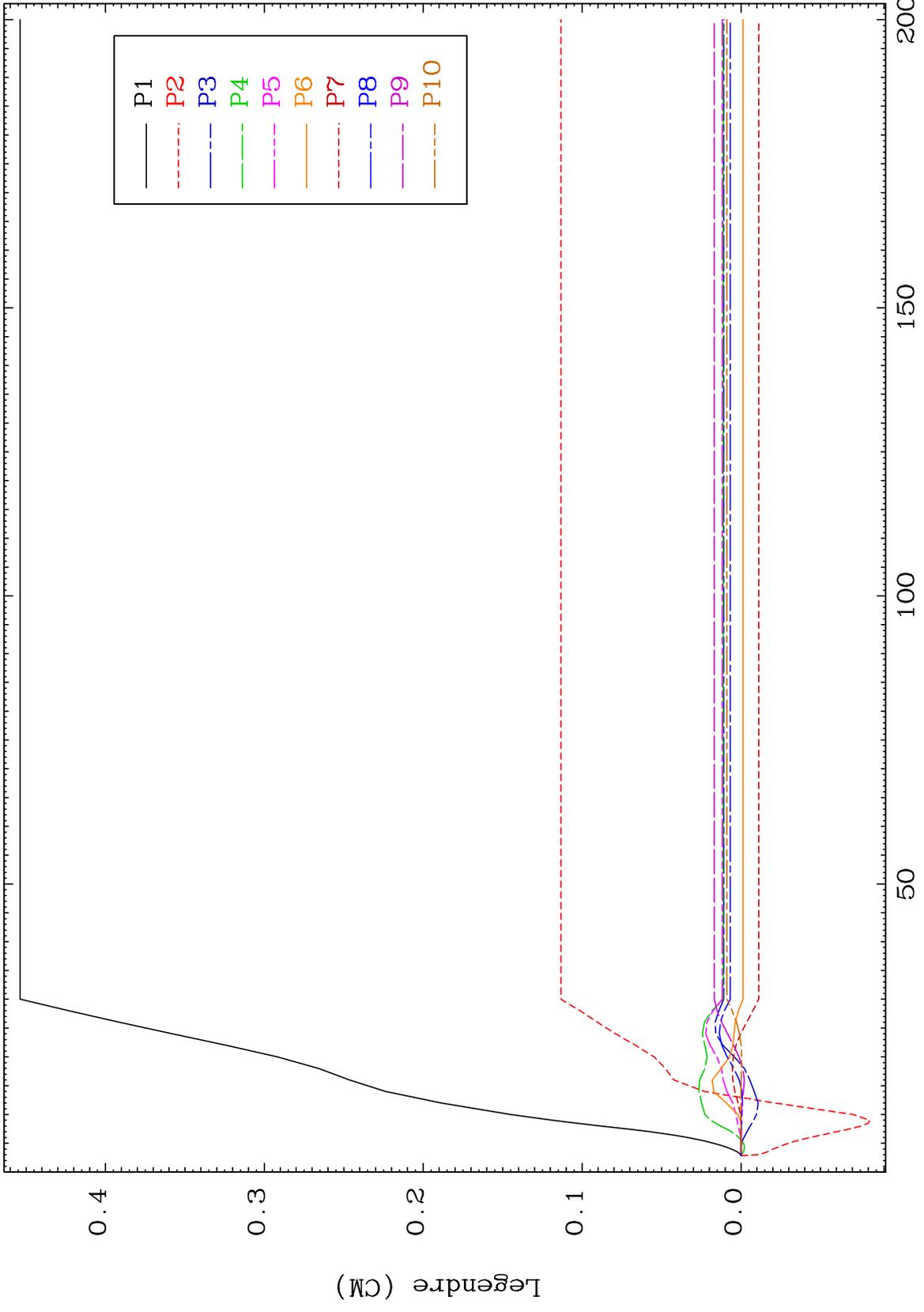
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Incident Energy (MeV)

20-Ca-42



MAT 2031 MT= 54 (n,n') Level Legendre Coefficients 20-Ca-42

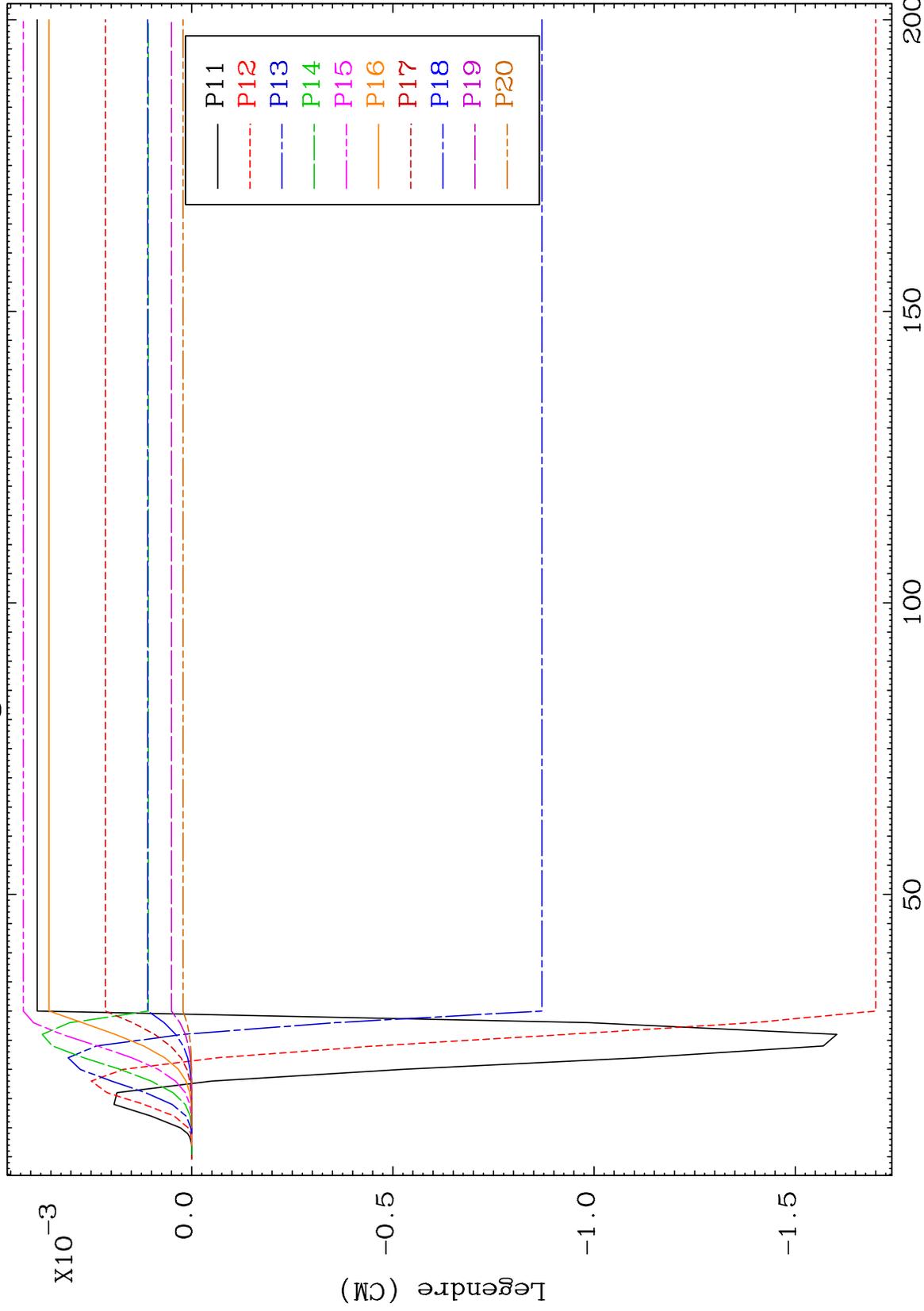


27 Incident Energy (MeV) 20-Ca-42

MAT 2031

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

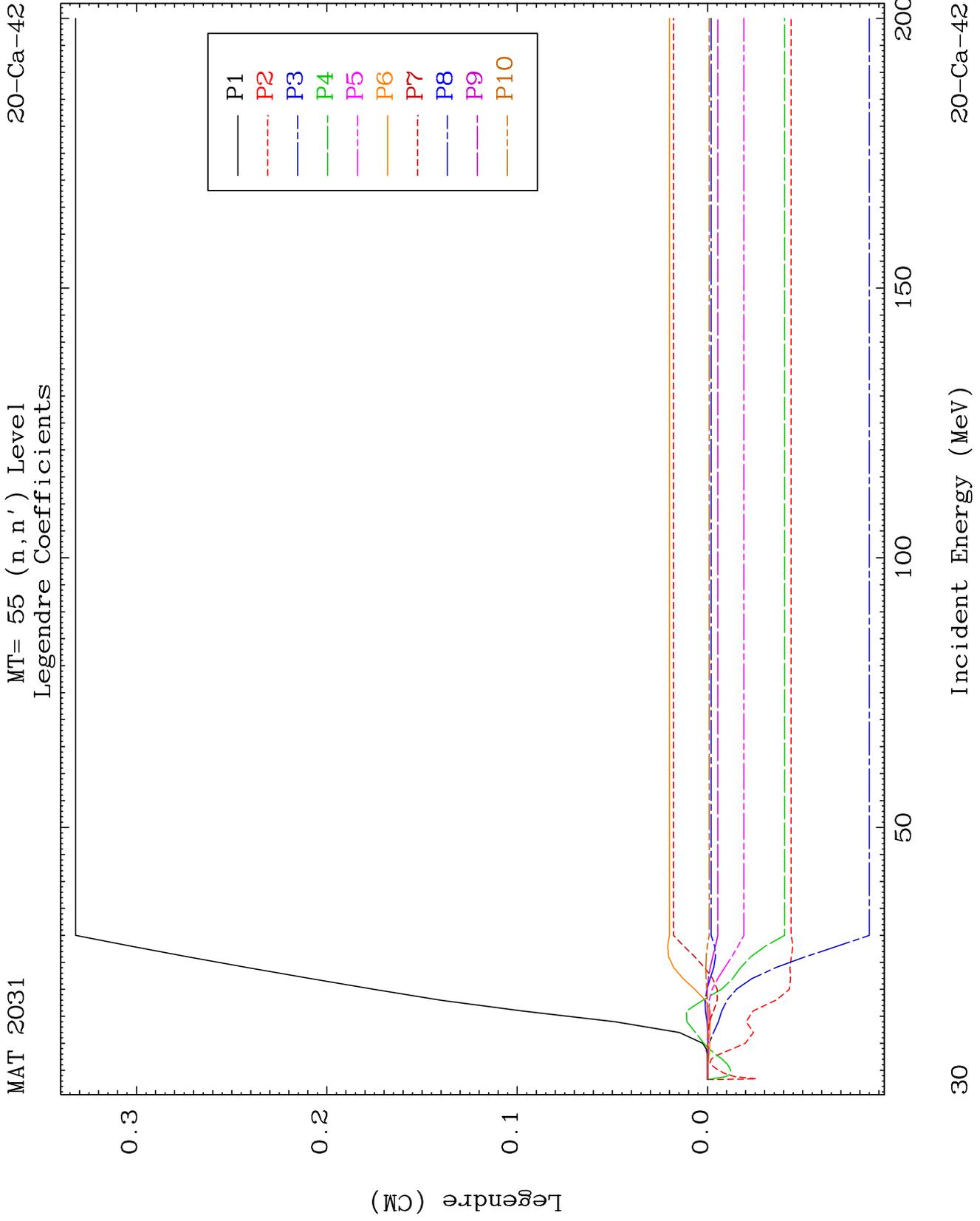
20-Ca-42



28

Incident Energy (MeV)

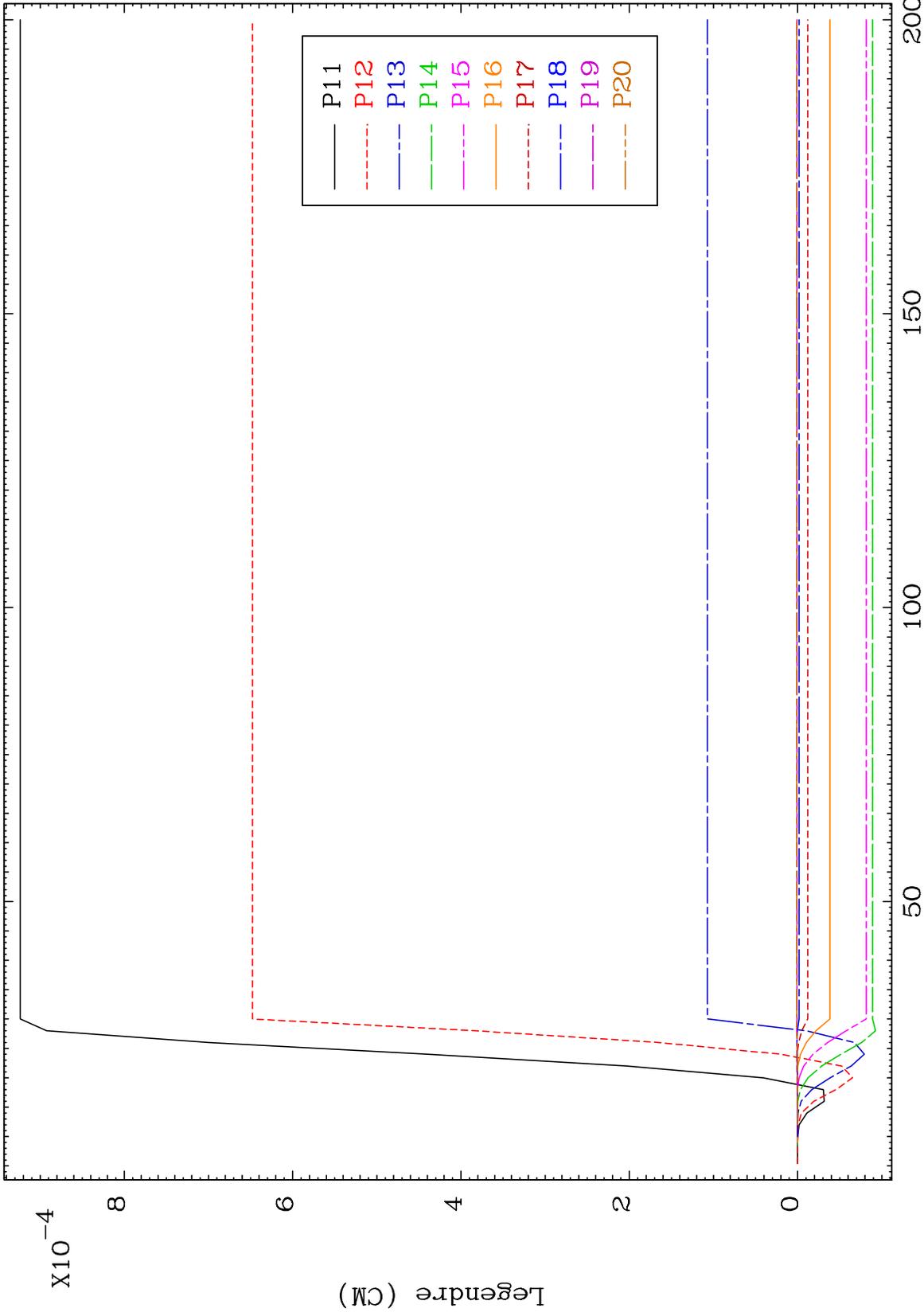
20-Ca-42



MAT 2031

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

20-Ca-42

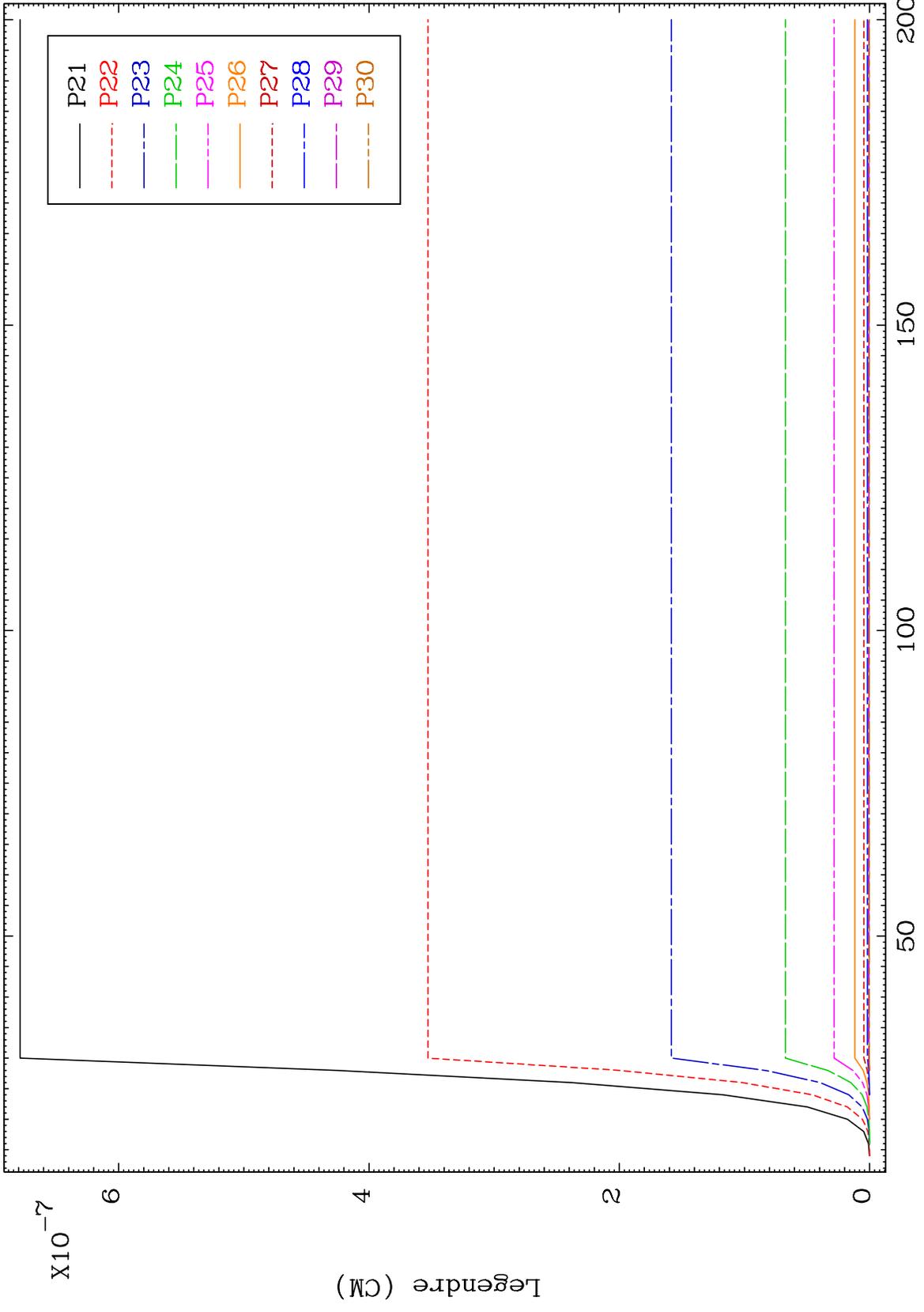


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Incident Energy (MeV)

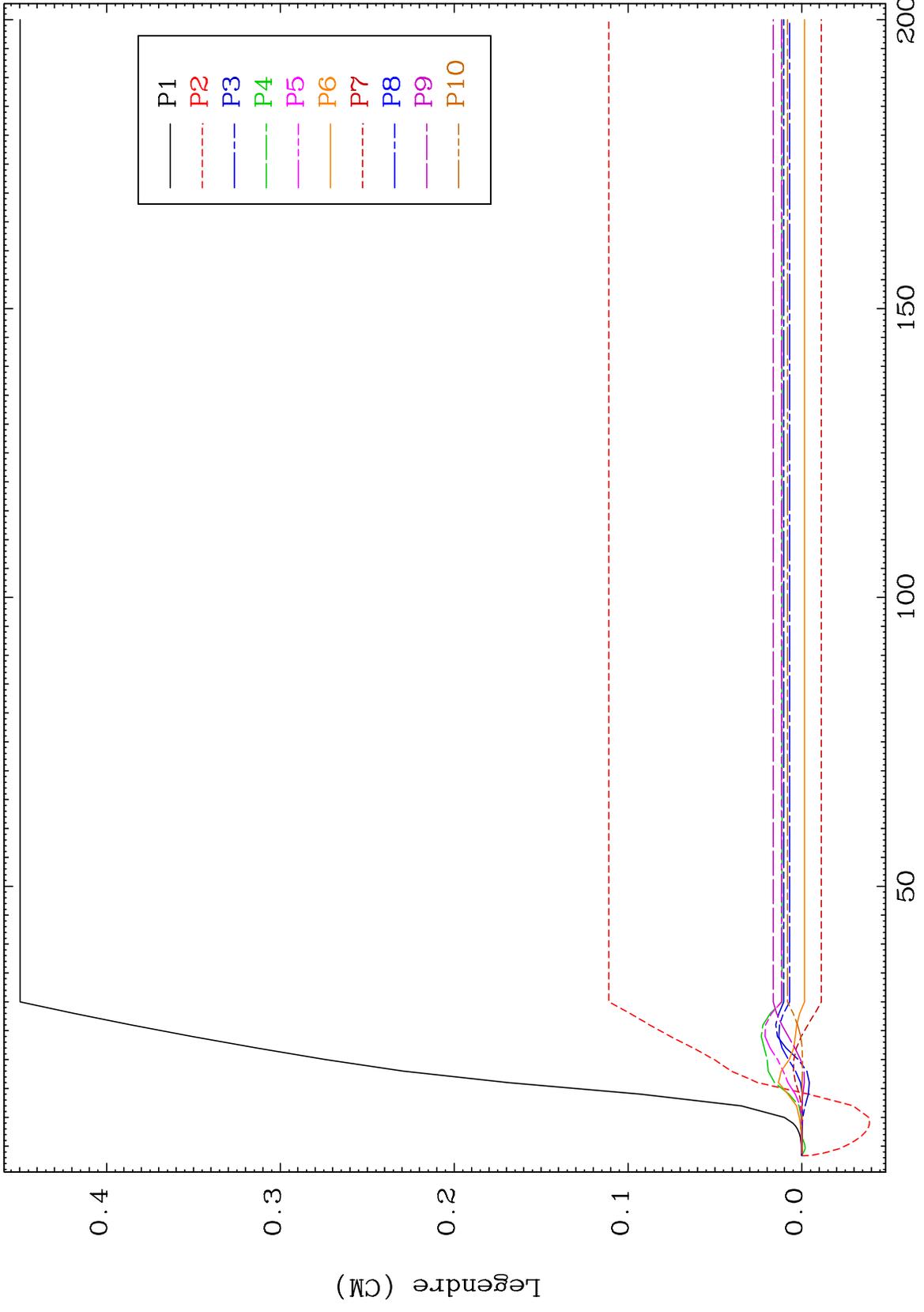
20-Ca-42

MAT 2031 MT= 55 (n,n') Level Legendre Coefficients 20-Ca-42



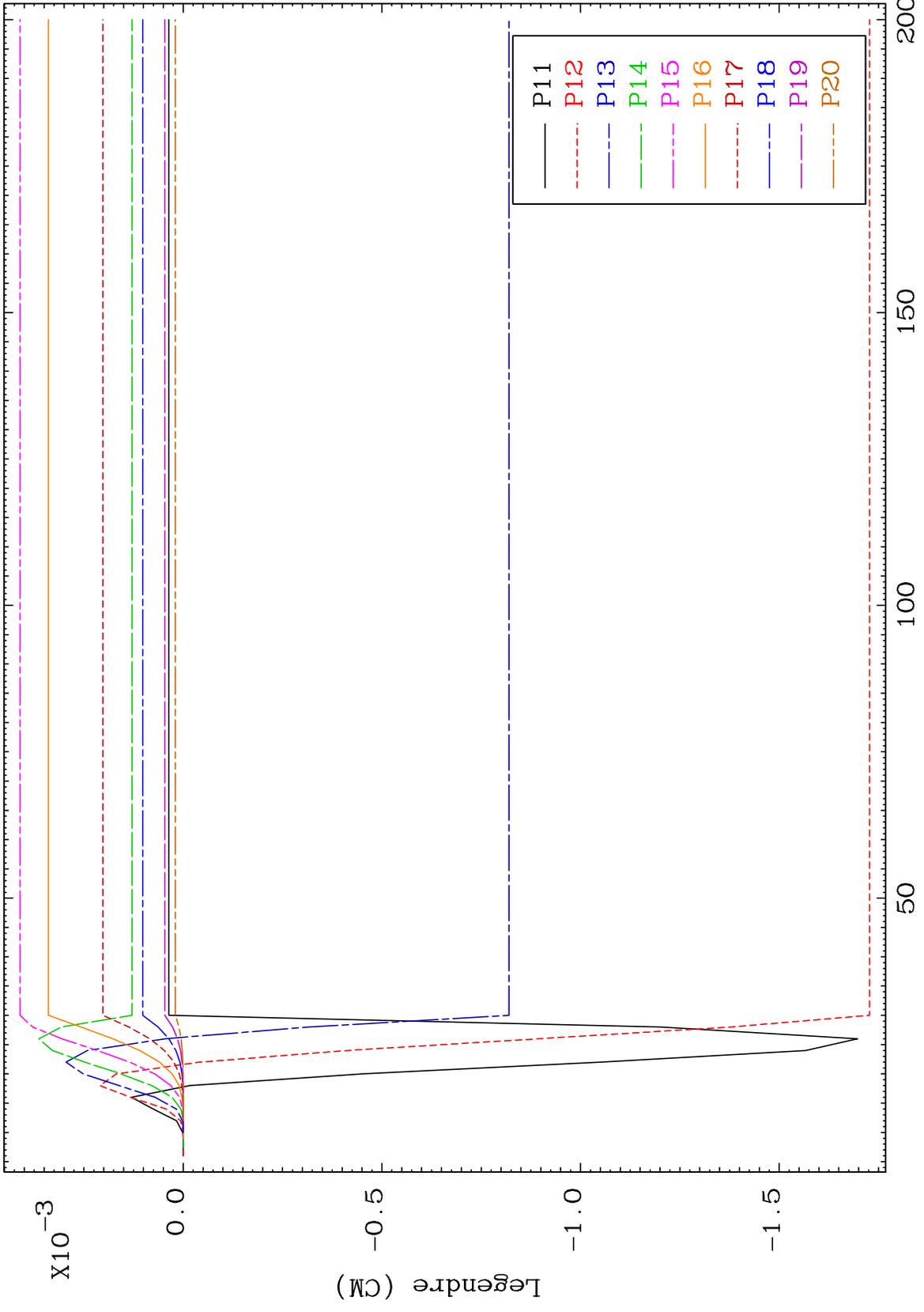
32 50 100 150 200 20-Ca-42

MAT 2031 MT= 56 (n,n') Level Legendre Coefficients 20-Ca-42

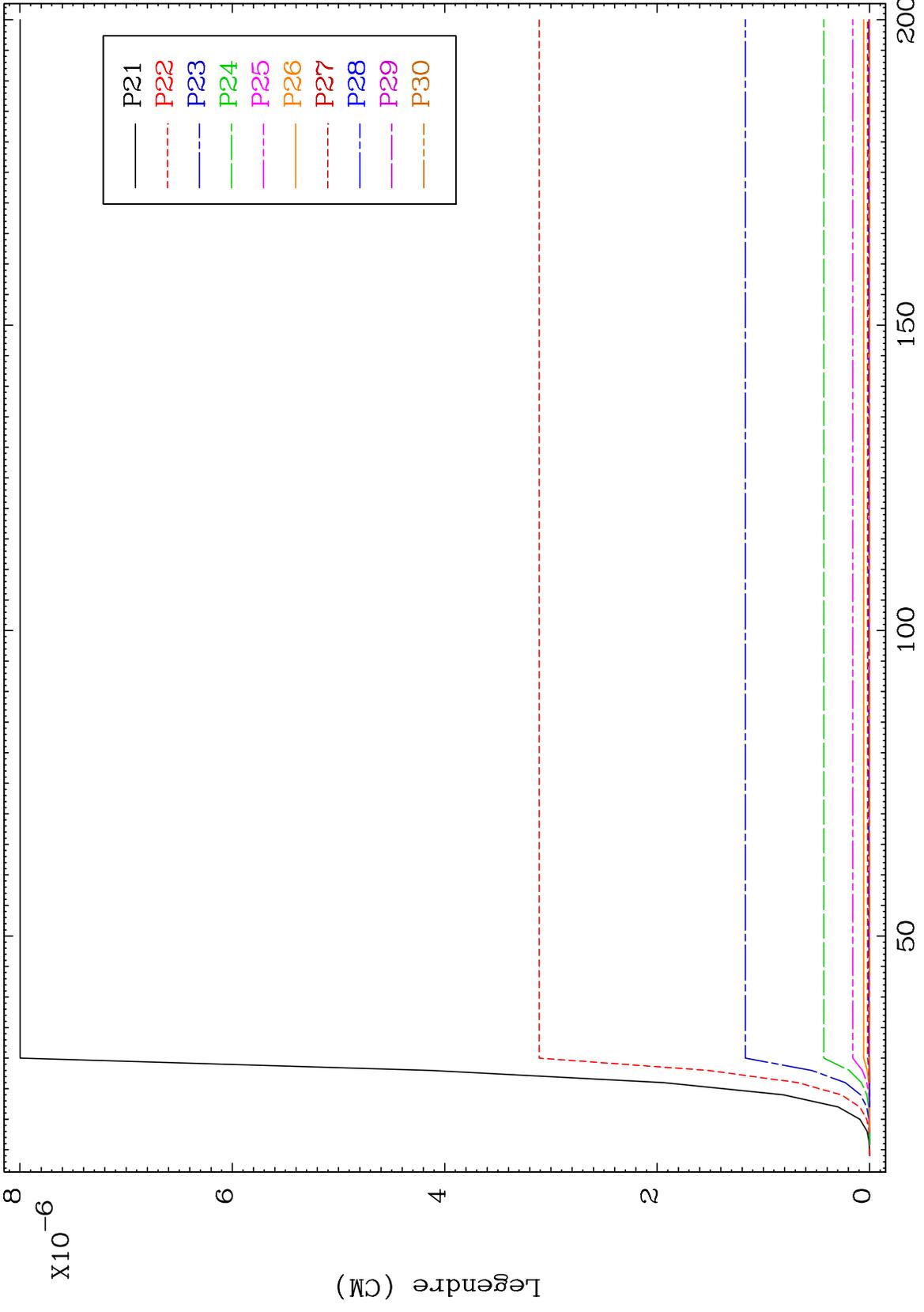


33 Incident Energy (MeV) 20-Ca-42

MAT 2031 MT= 56 (n,n') Level Legendre Coefficients 20-Ca-42

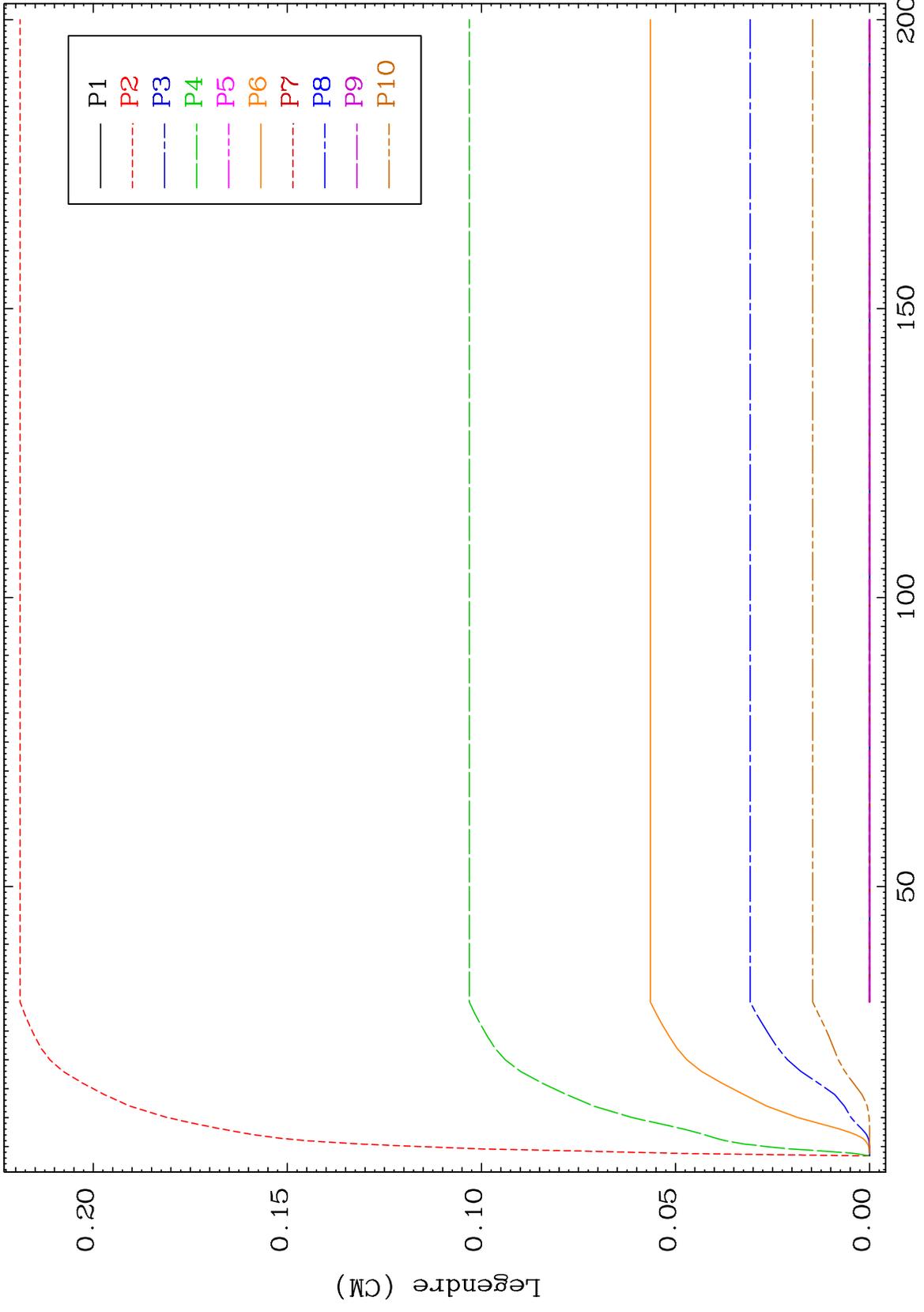


MAT 2031 MT= 56 (n,n') Level Legendre Coefficients 20-Ca-42

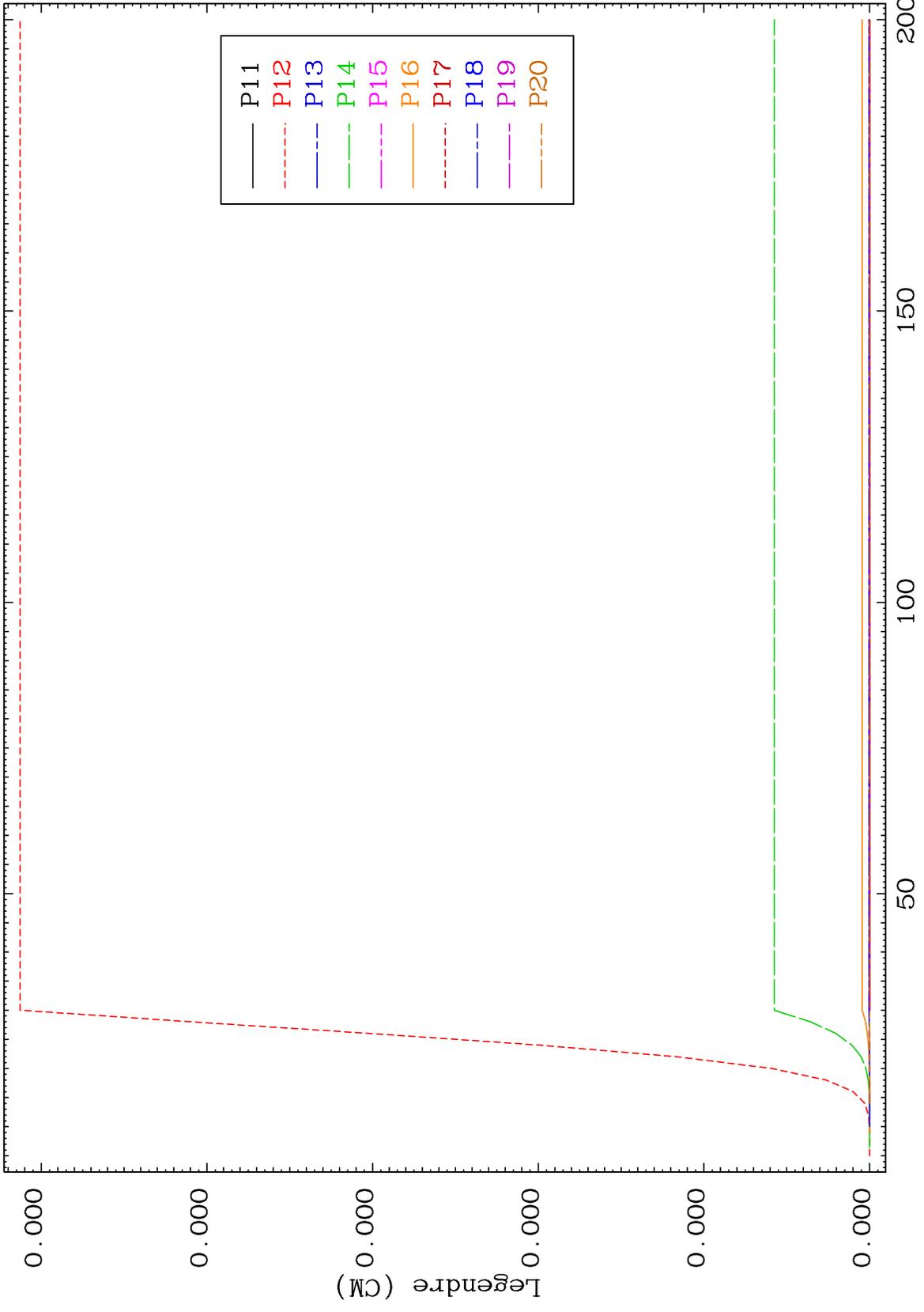


35 Incident Energy (MeV) 20-Ca-42

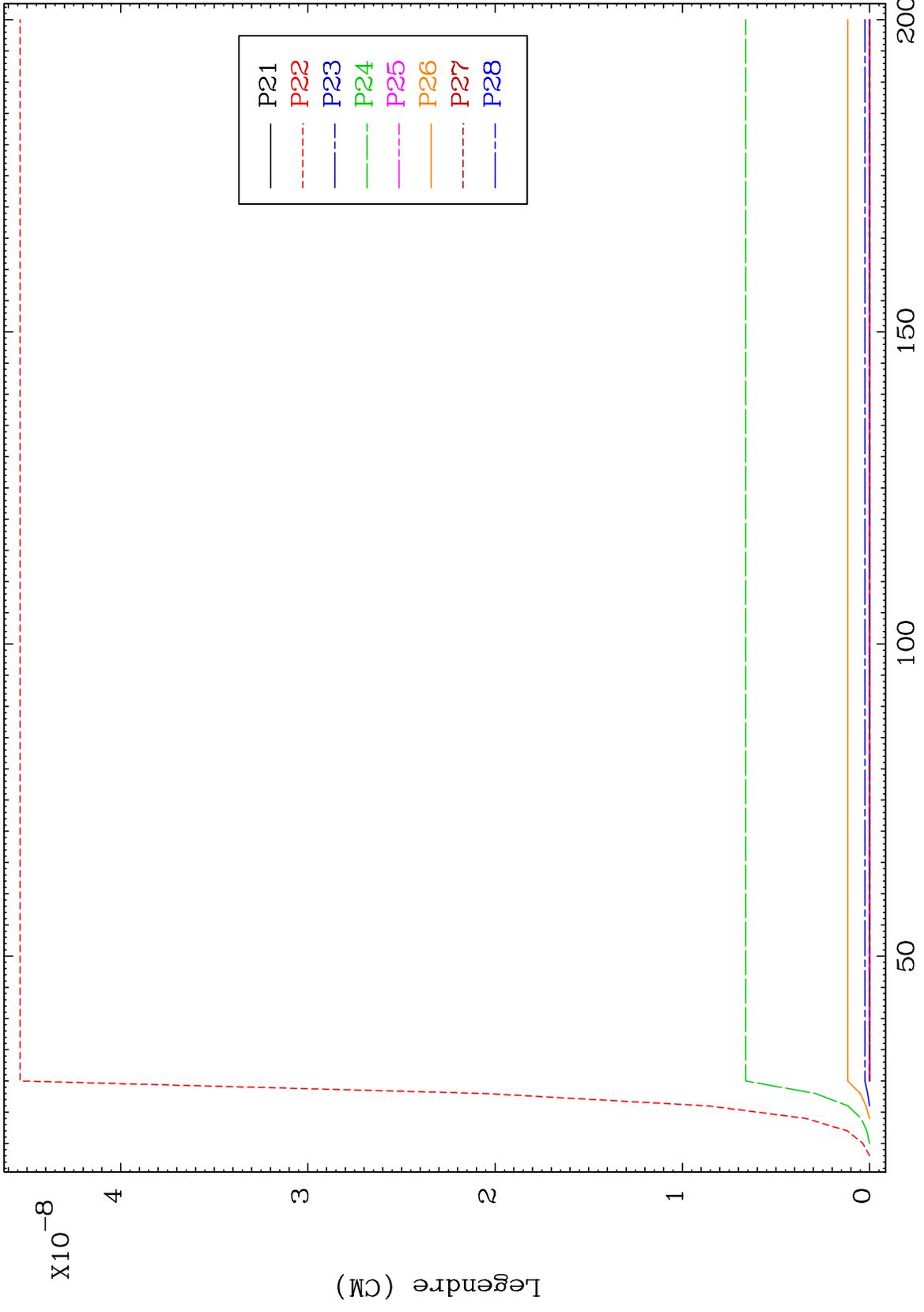
MAT 2031 MT= 57 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031 MT= 57 (n,n') Level Legendre Coefficients 20-Ca-42

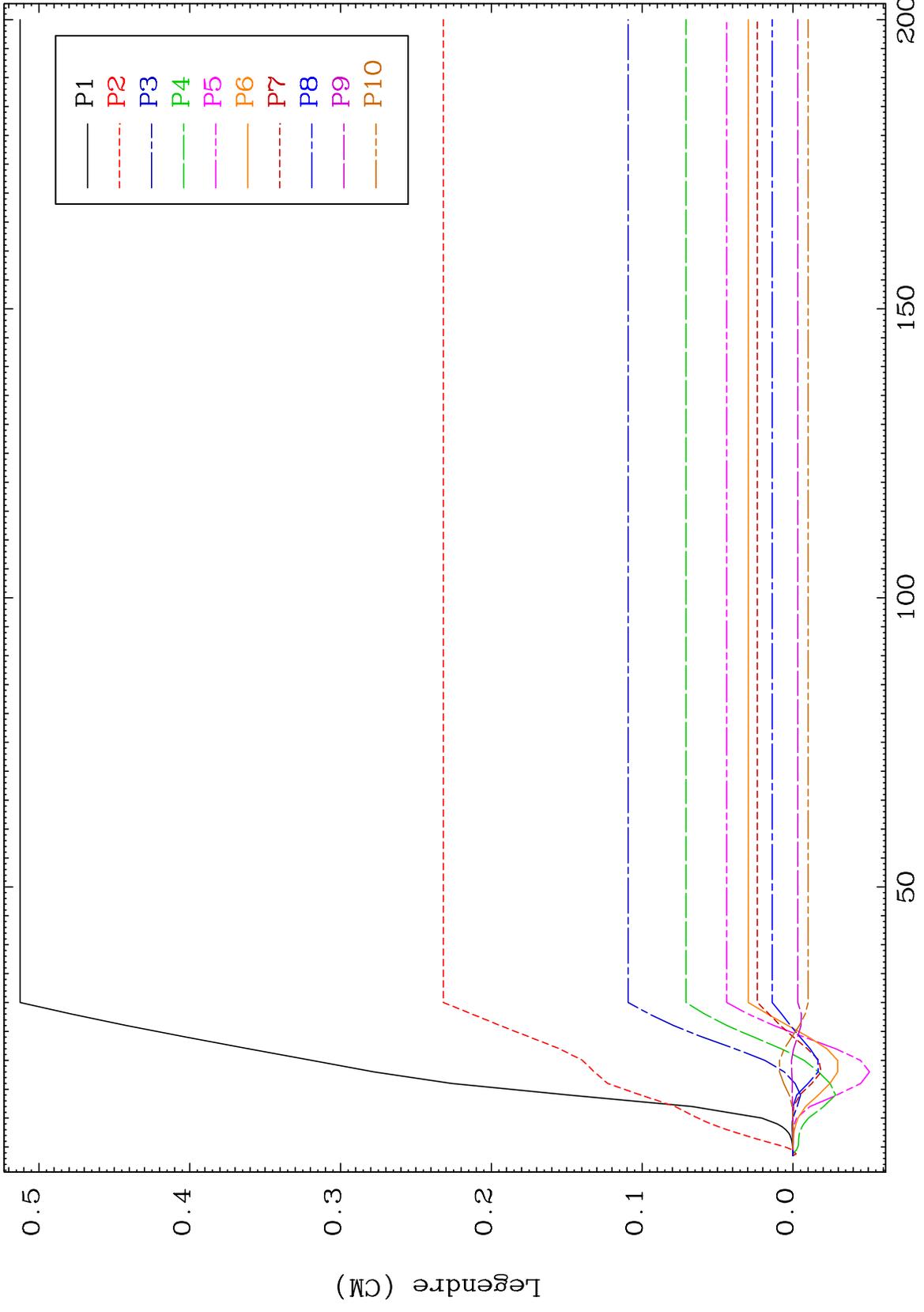


MAT 2031 MT= 57 (n,n') Level Legendre Coefficients 20-Ca-42



38 Incident Energy (MeV) 20-Ca-42

MAT 2031 MT= 58 (n,n') Level Legendre Coefficients 20-Ca-42

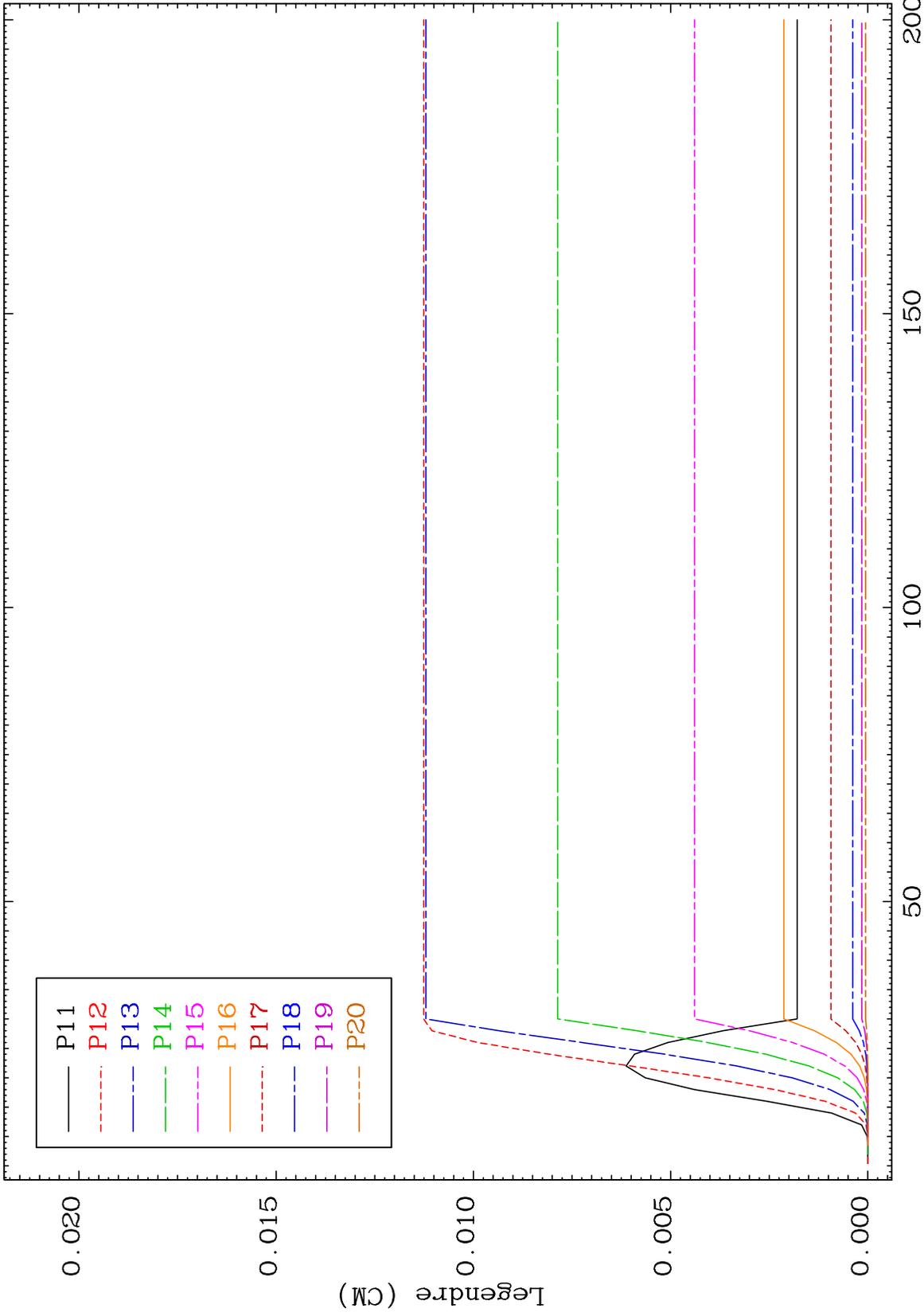


39 Incident Energy (MeV) 20-Ca-42

MAT 2031

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

20-Ca-42

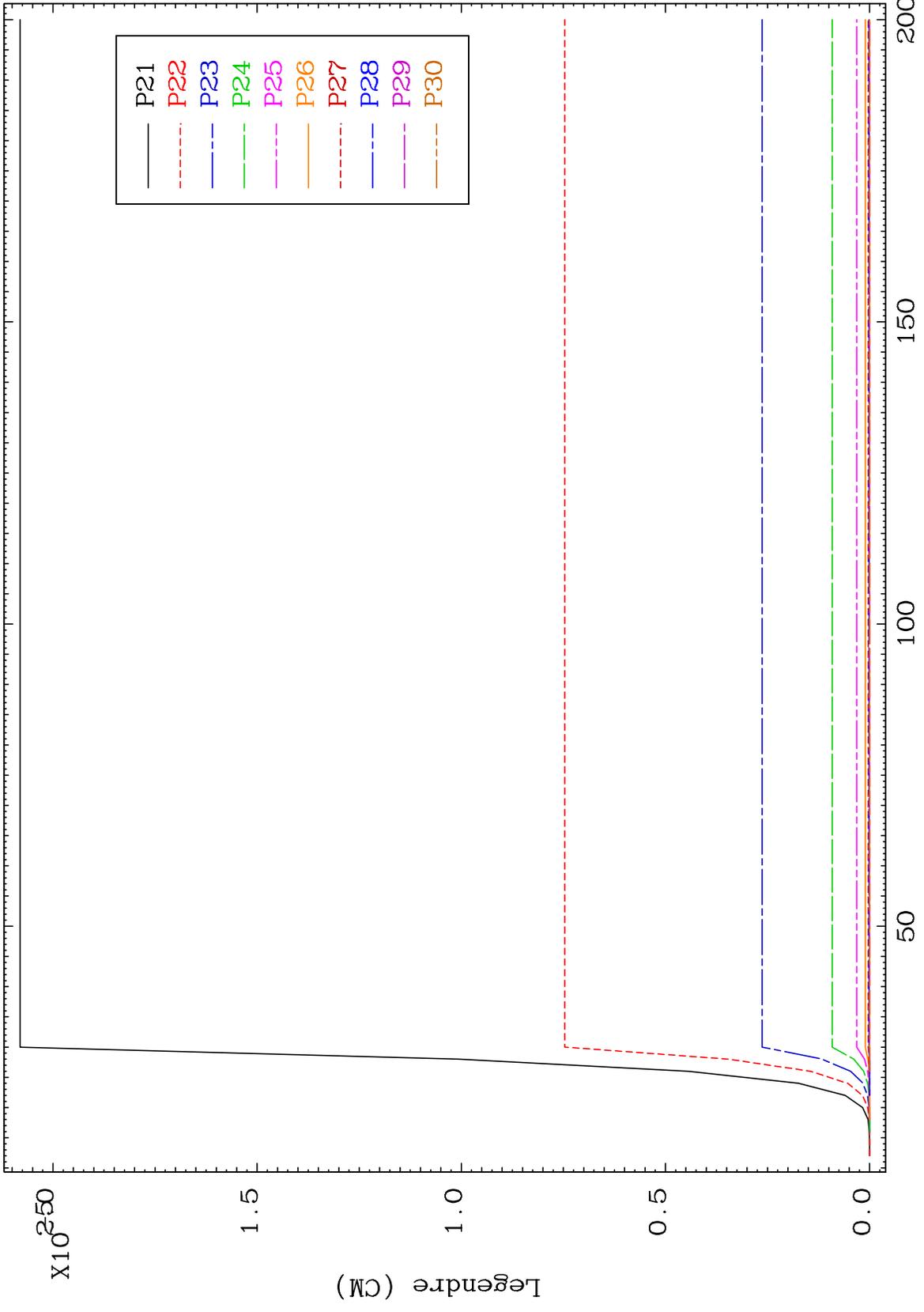


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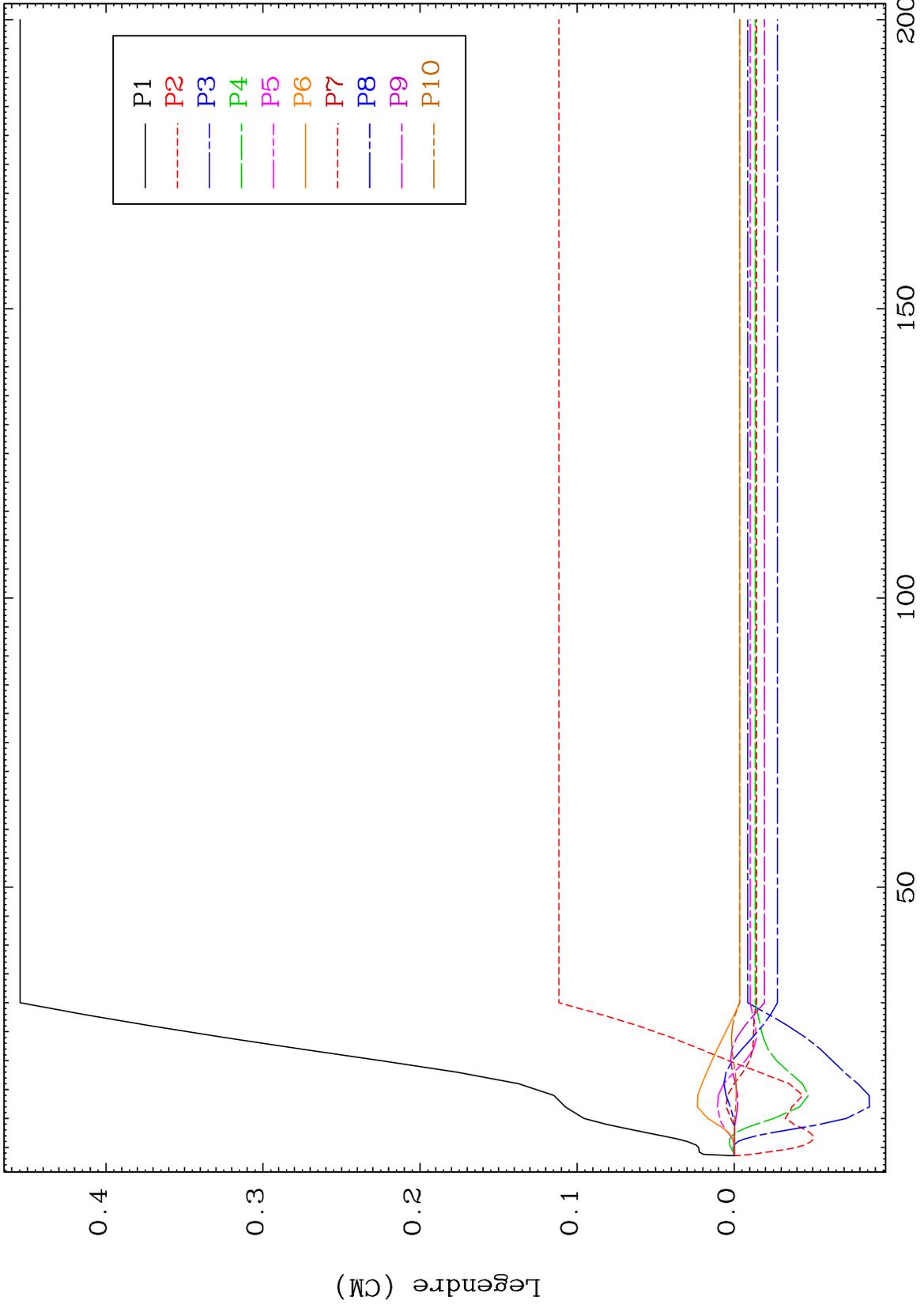
Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 58 (n,n') Level Legendre Coefficients 20-Ca-42



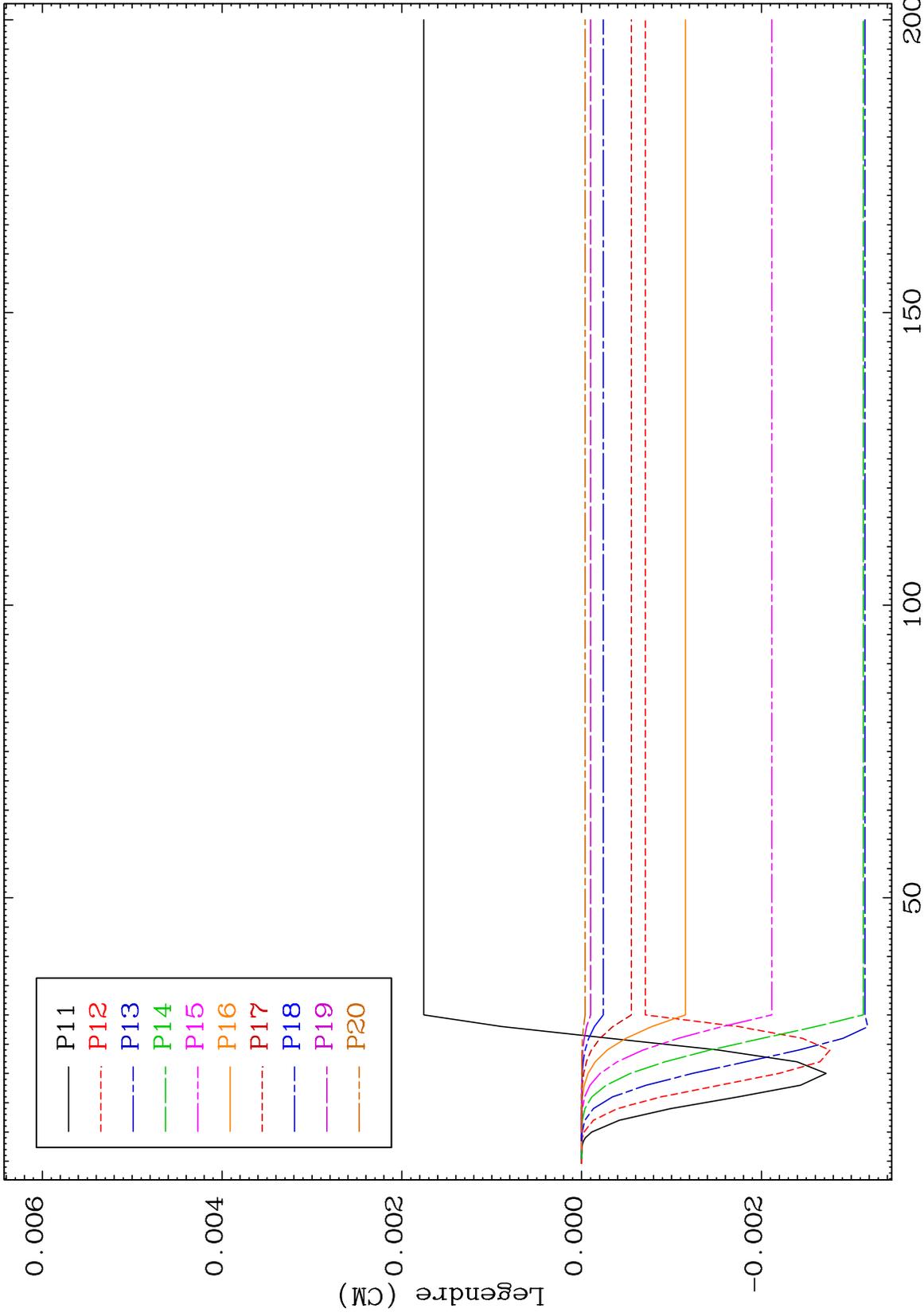
MAT 2031 MT= 59 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031

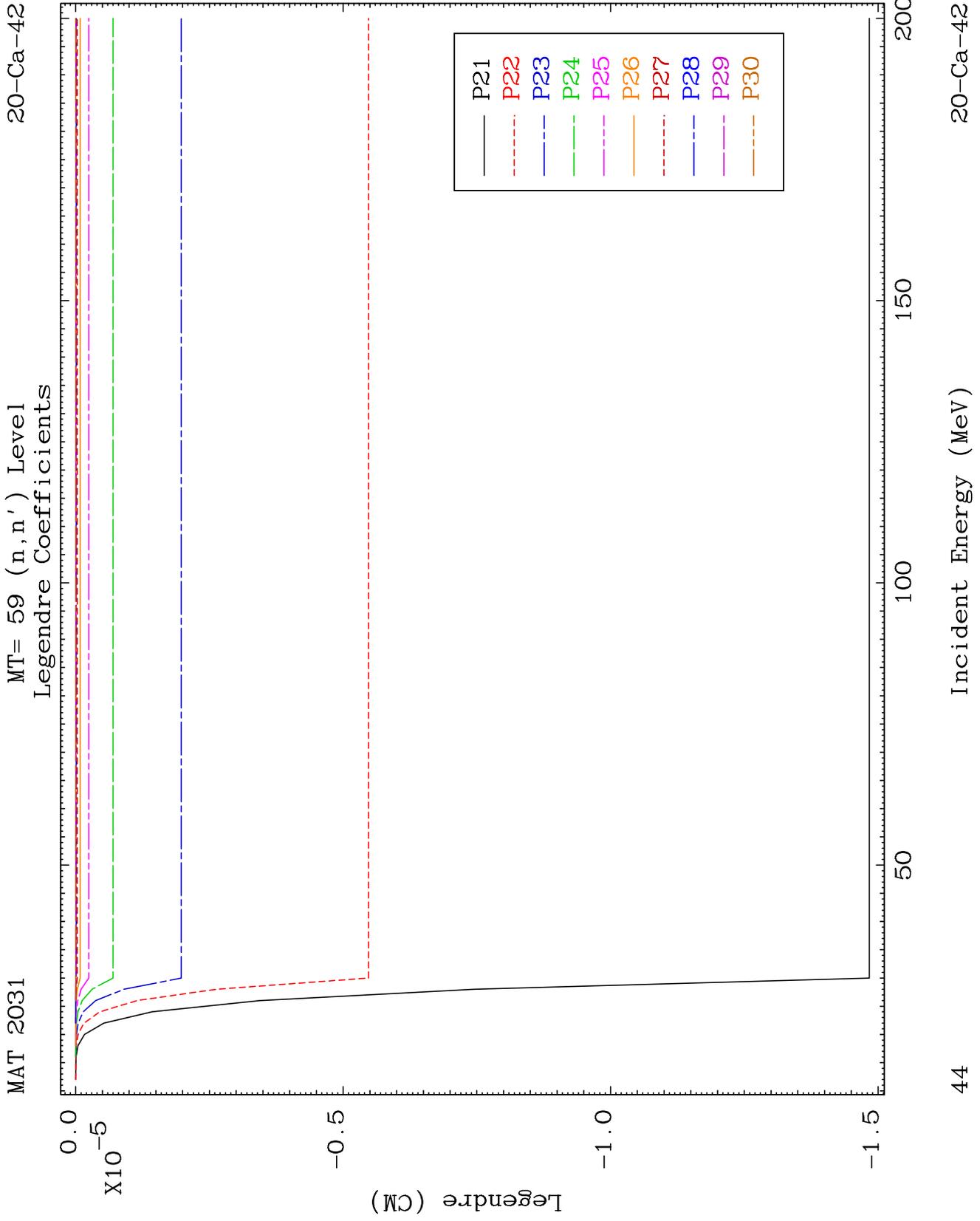
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Legendre Coefficients

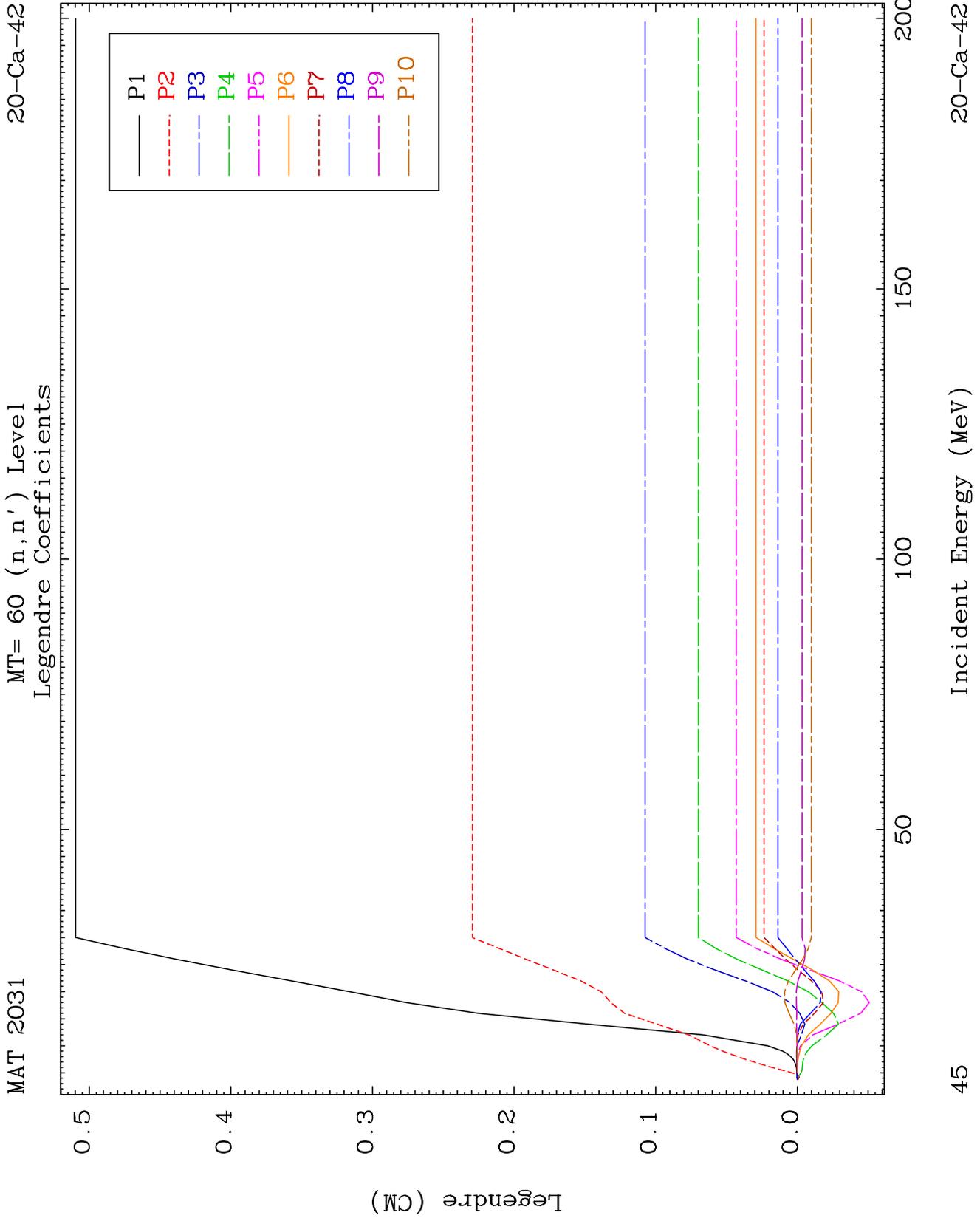
20-Ca-42



43

20-Ca-42

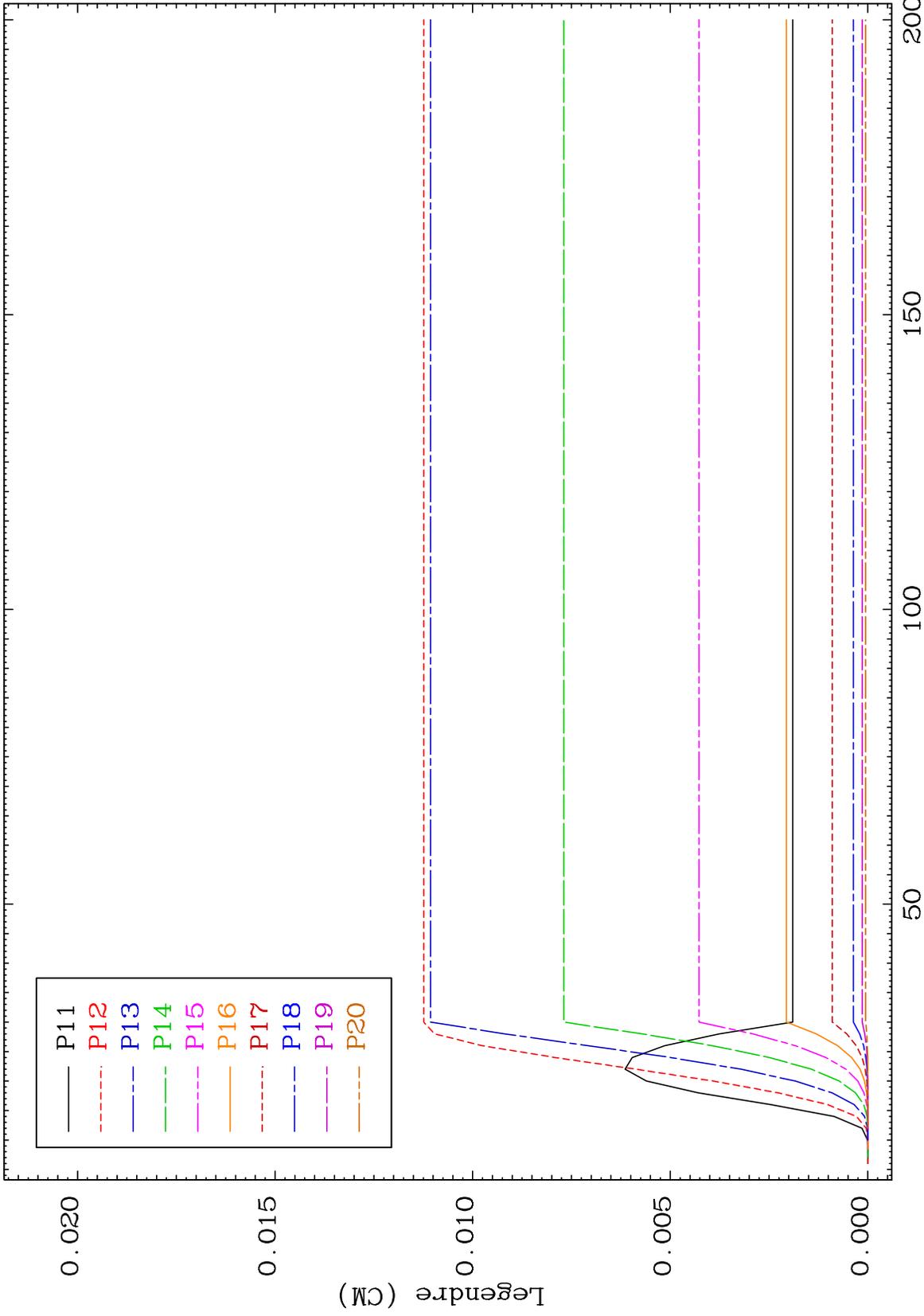




MAT 2031

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

20-Ca-42

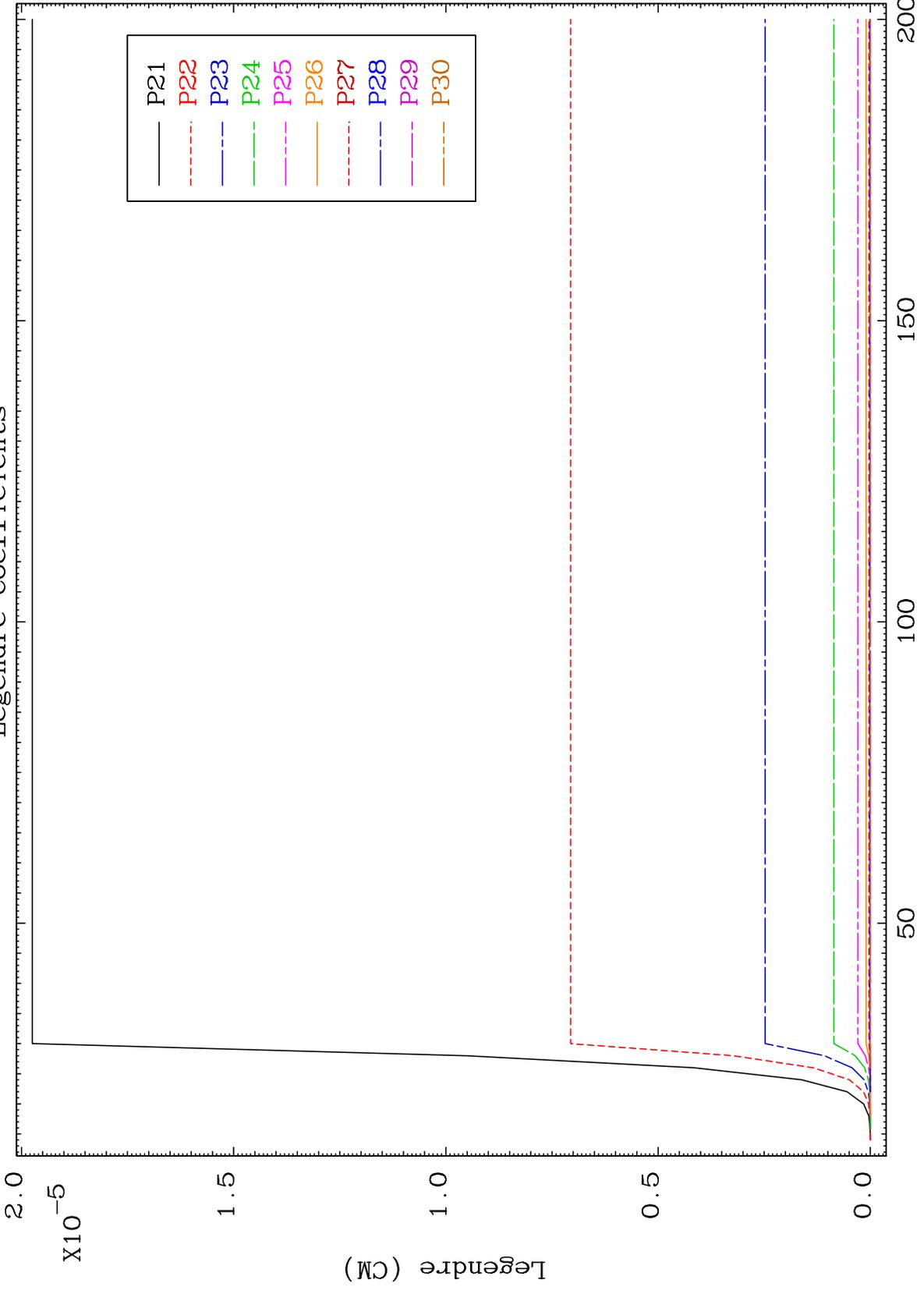


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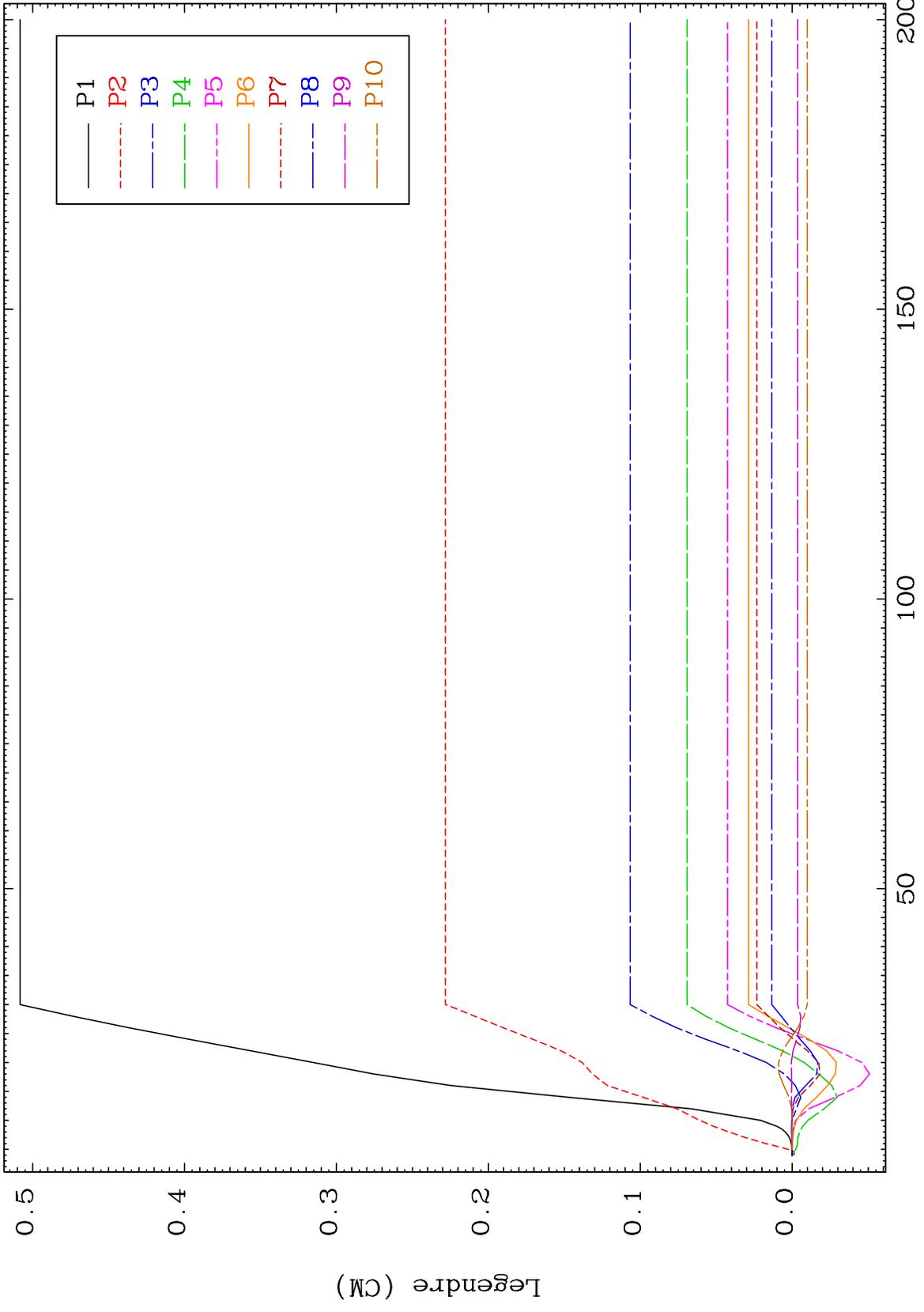
Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 60 (n,n') Level Legendre Coefficients 20-Ca-42



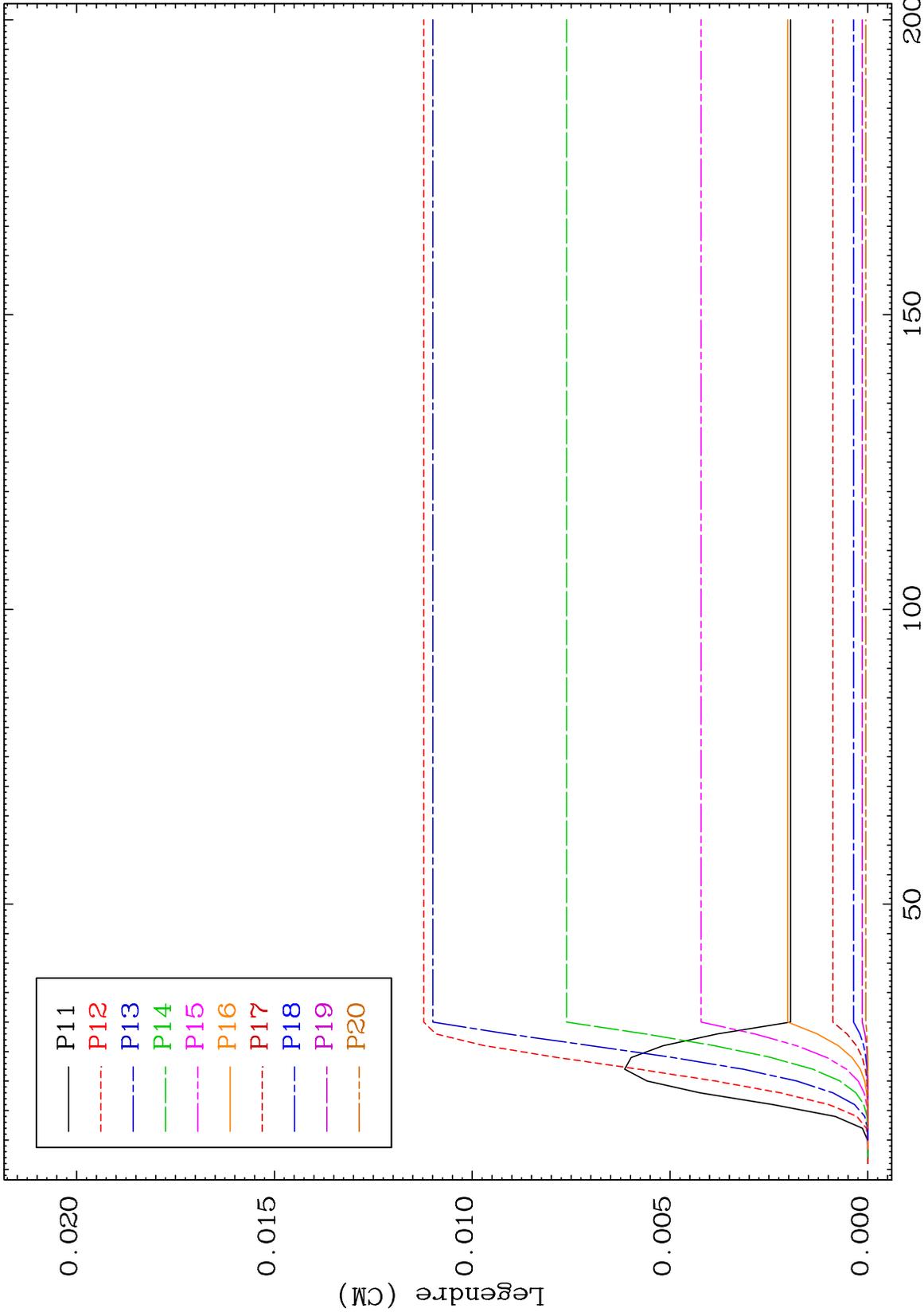
MAT 2031 MT= 61 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031

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

20-Ca-42

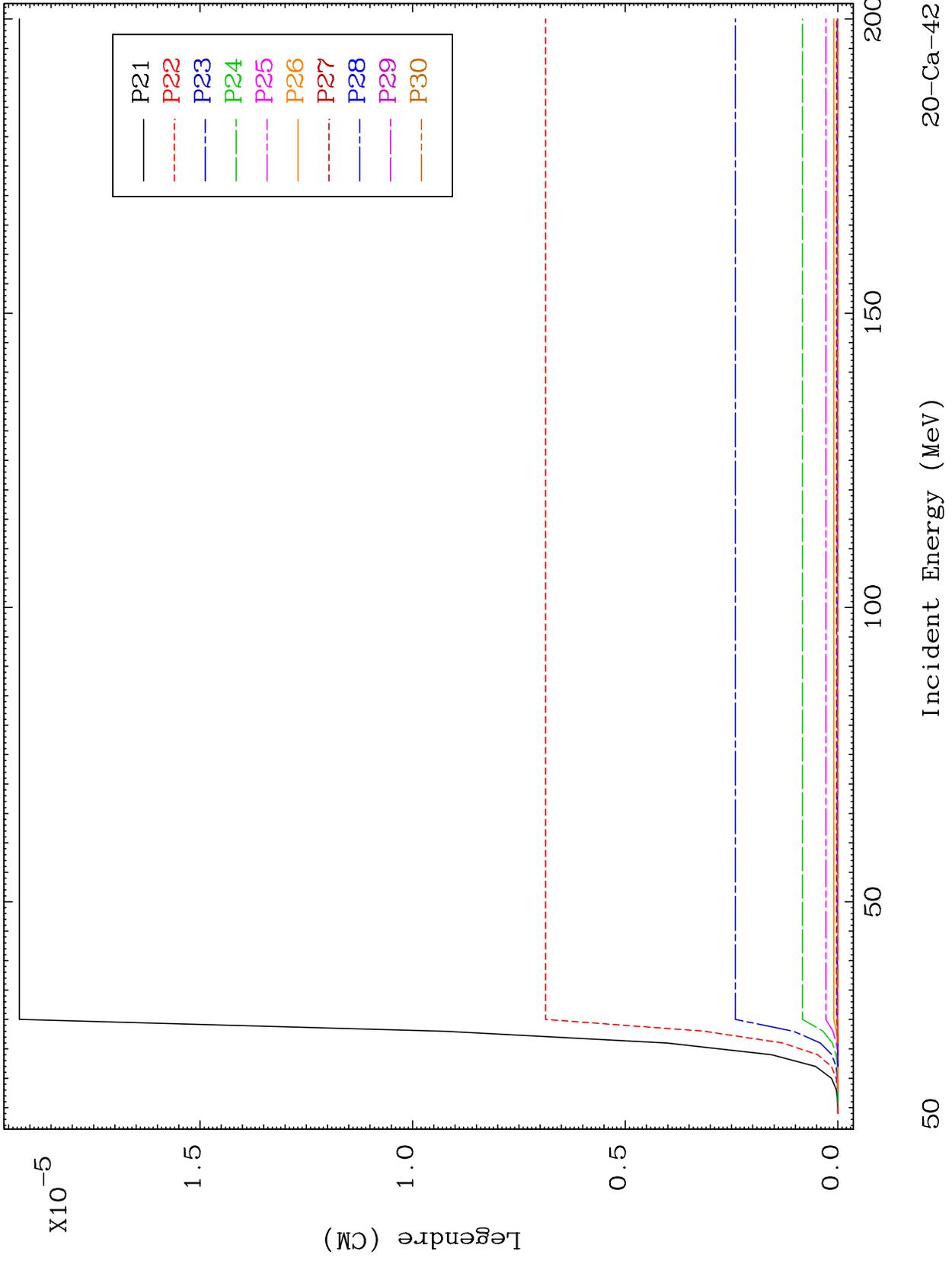


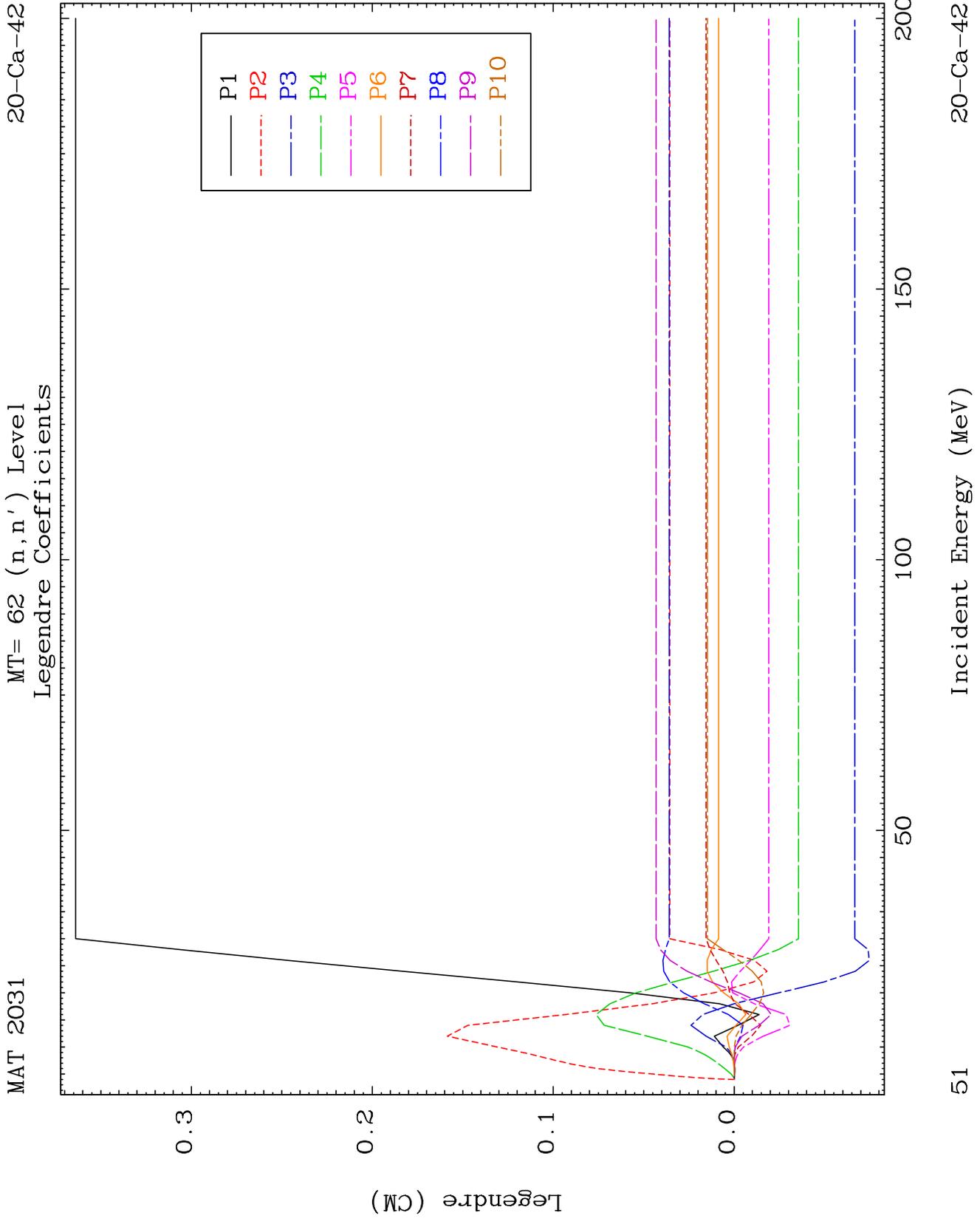
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Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 61 (n,n') Level Legendre Coefficients 20-Ca-42

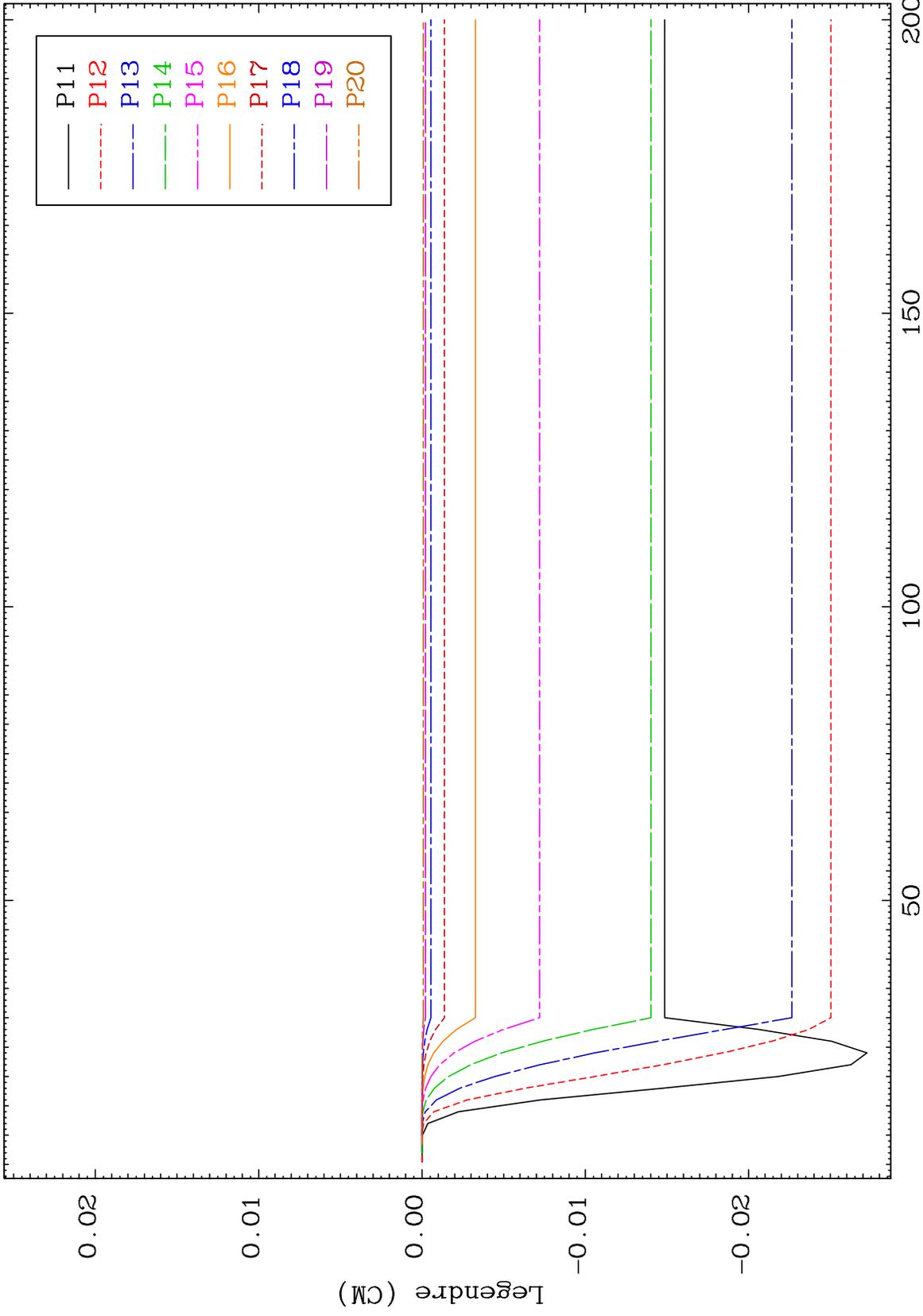




MAT 2031

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

20-Ca-42



52

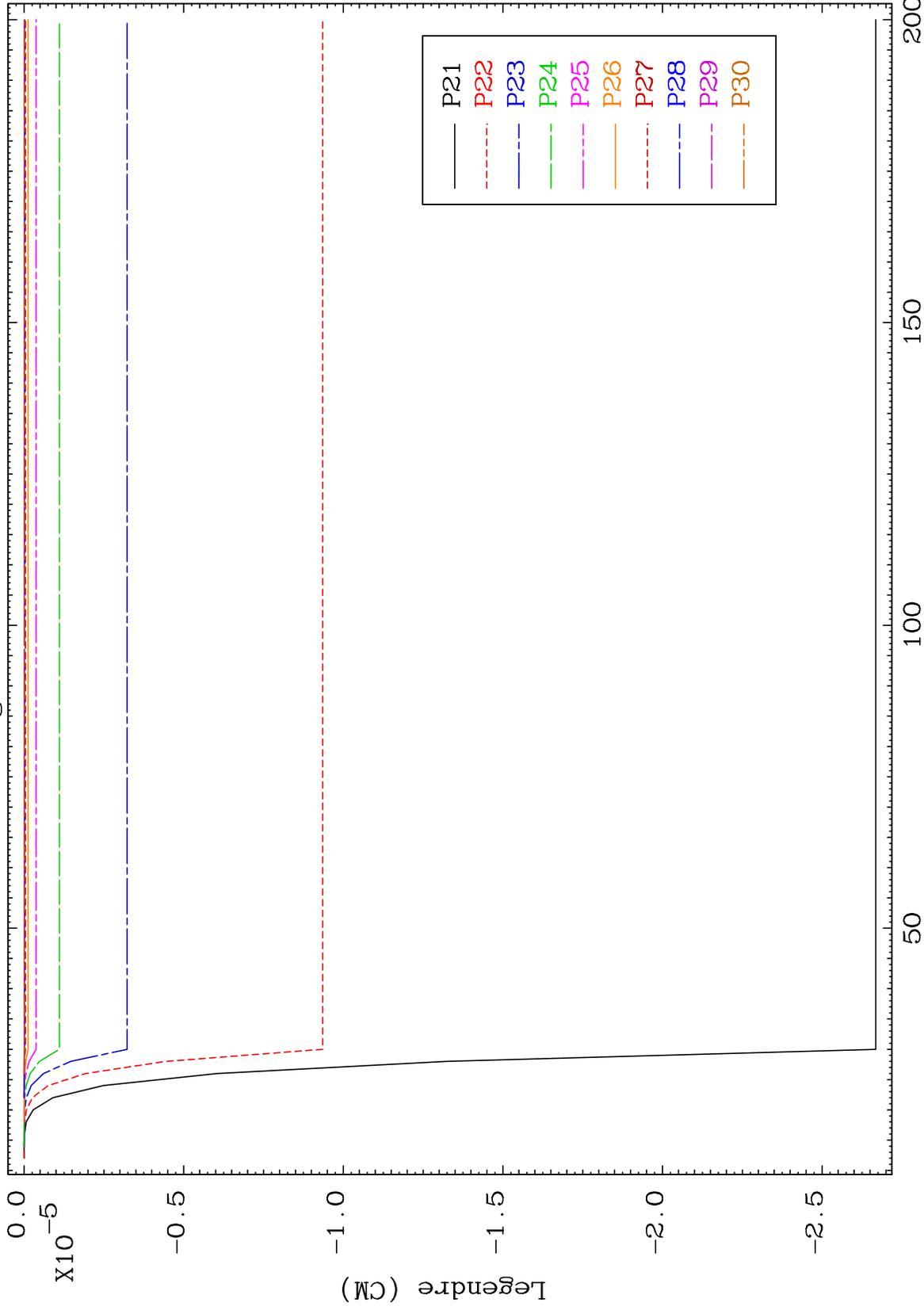
Incident Energy (MeV)

20-Ca-42

MAT 2031

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

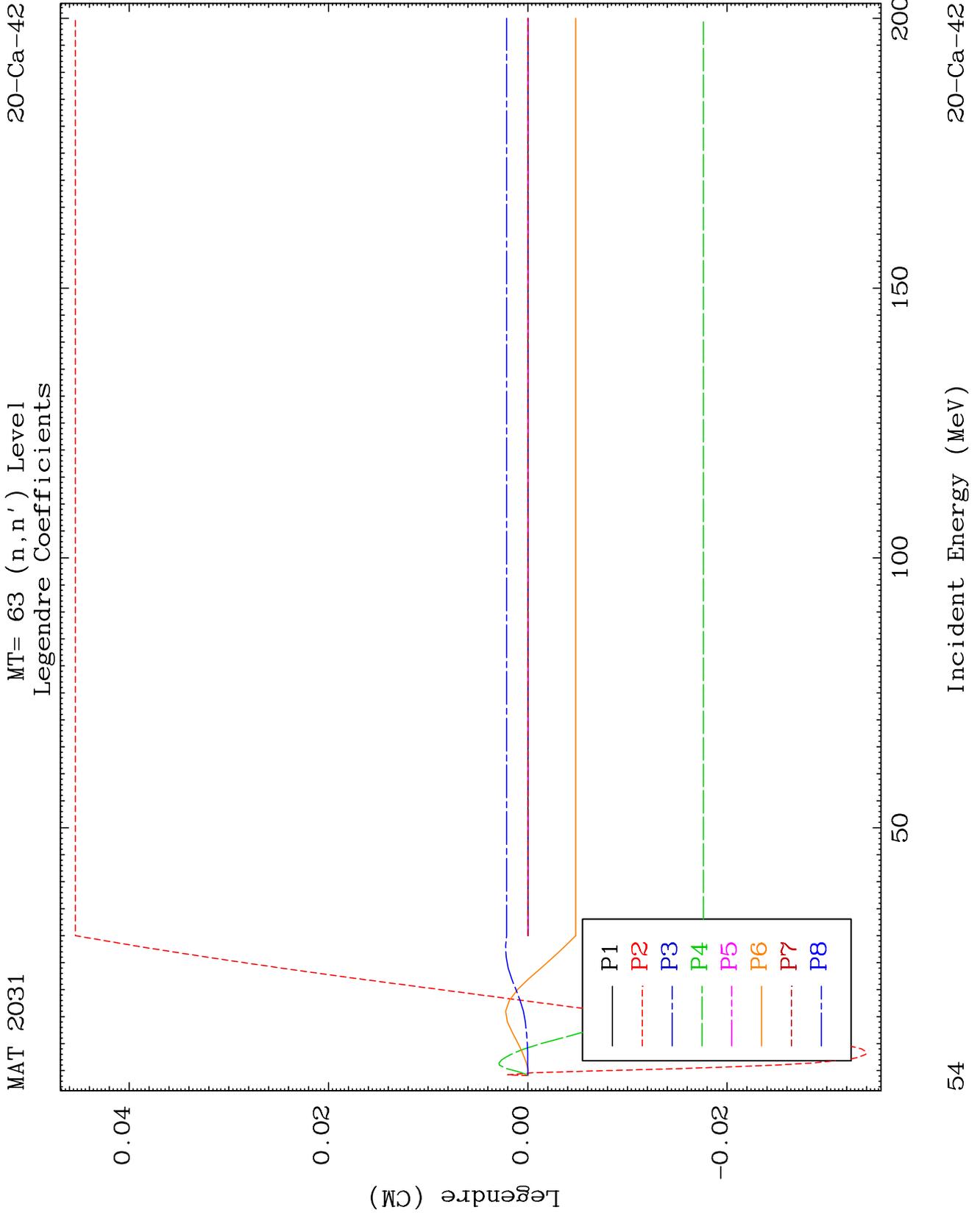
20-Ca-42



53

Incident Energy (MeV)

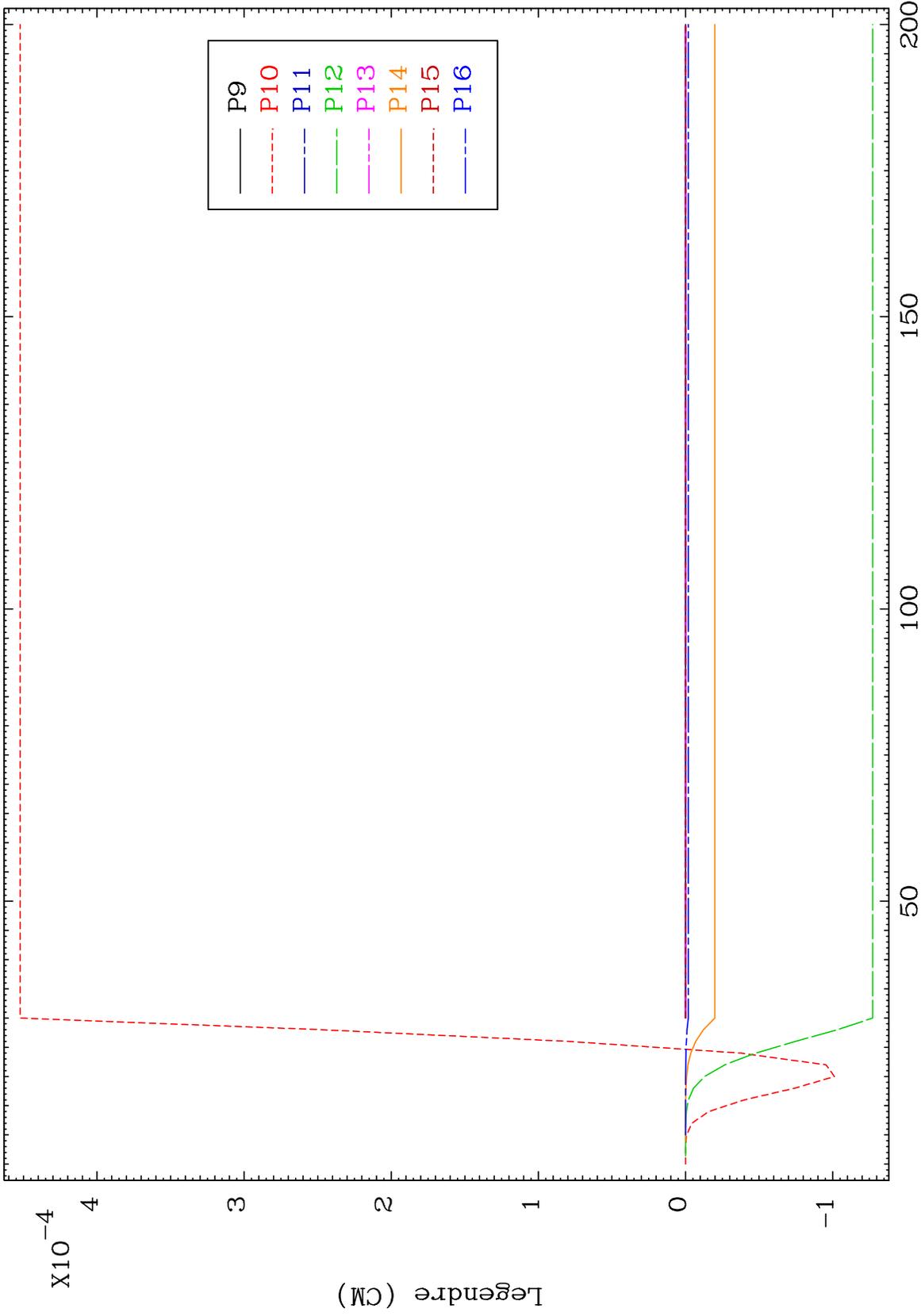
20-Ca-42



MAT 2031

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

20-Ca-42

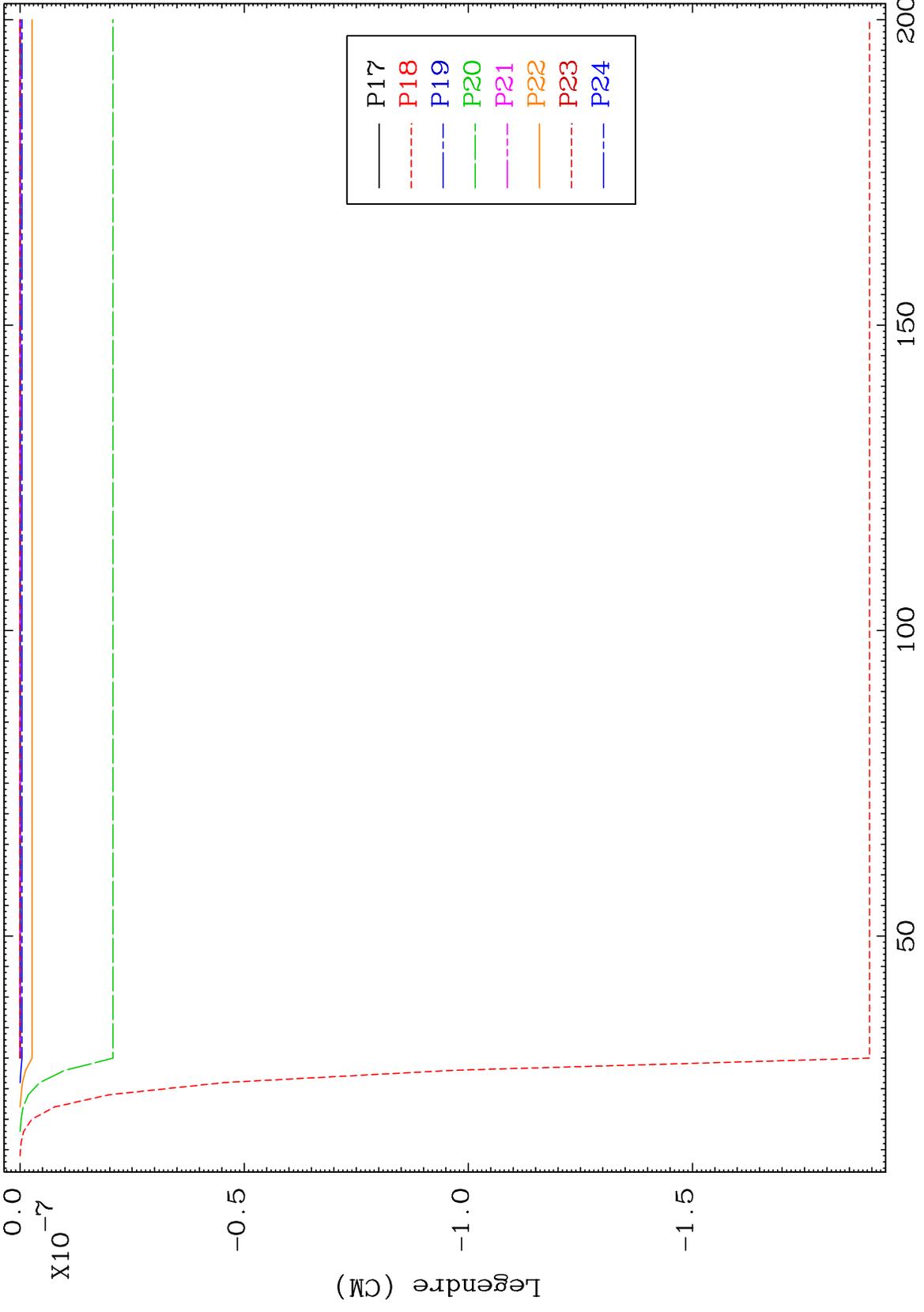


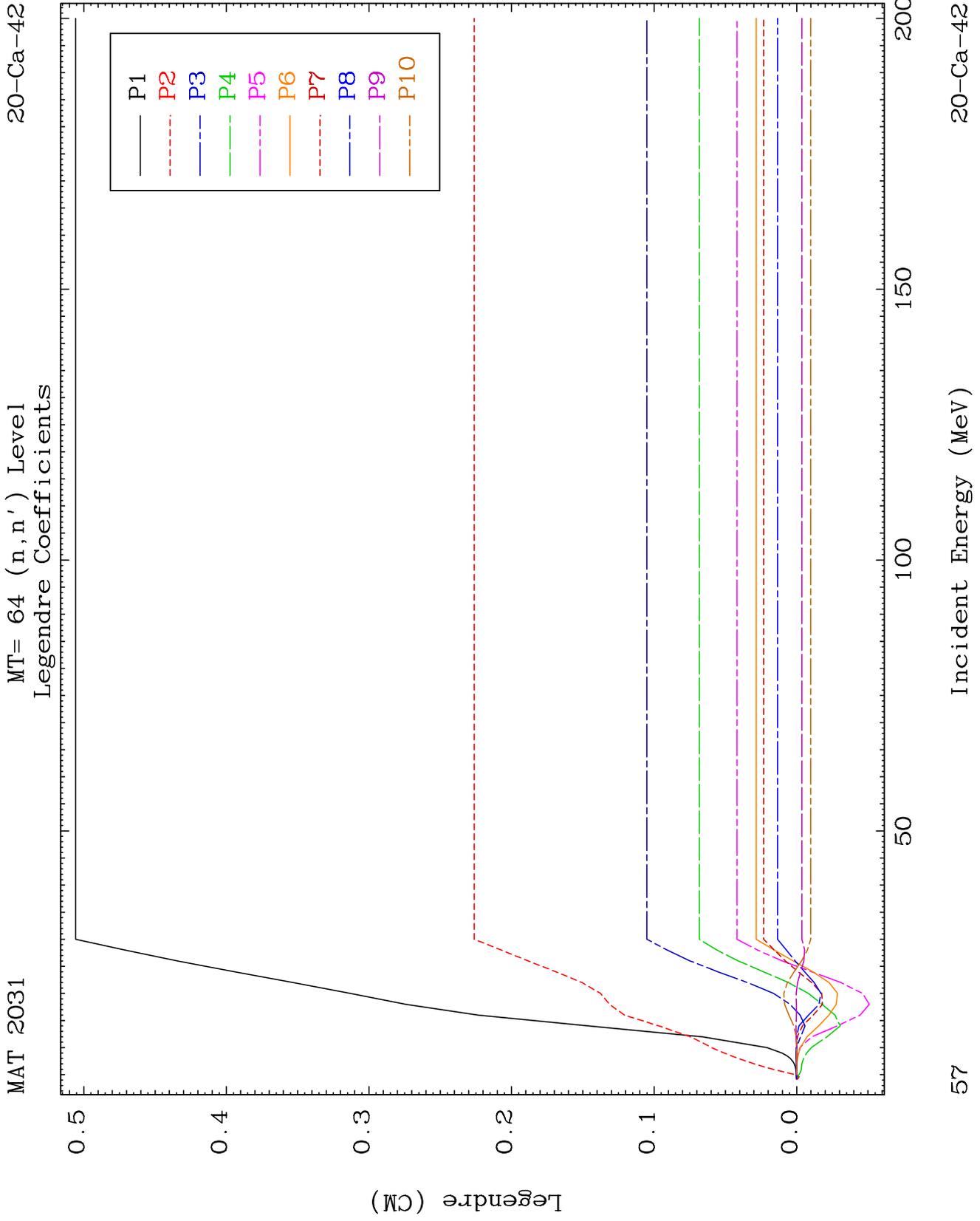
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Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 63 (n,n') Level Legendre Coefficients 20-Ca-42

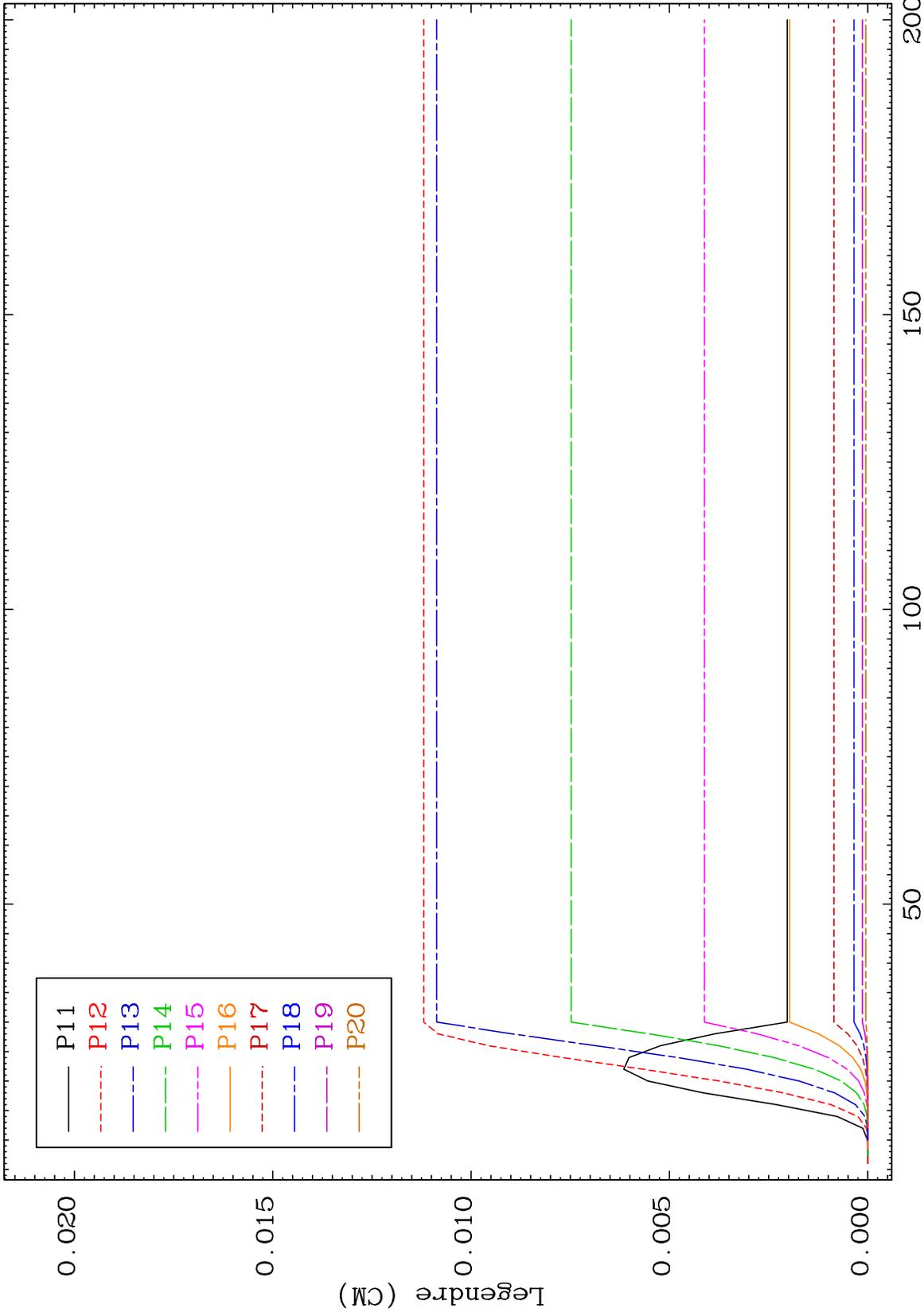




MAT 2031

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

20-Ca-42



58

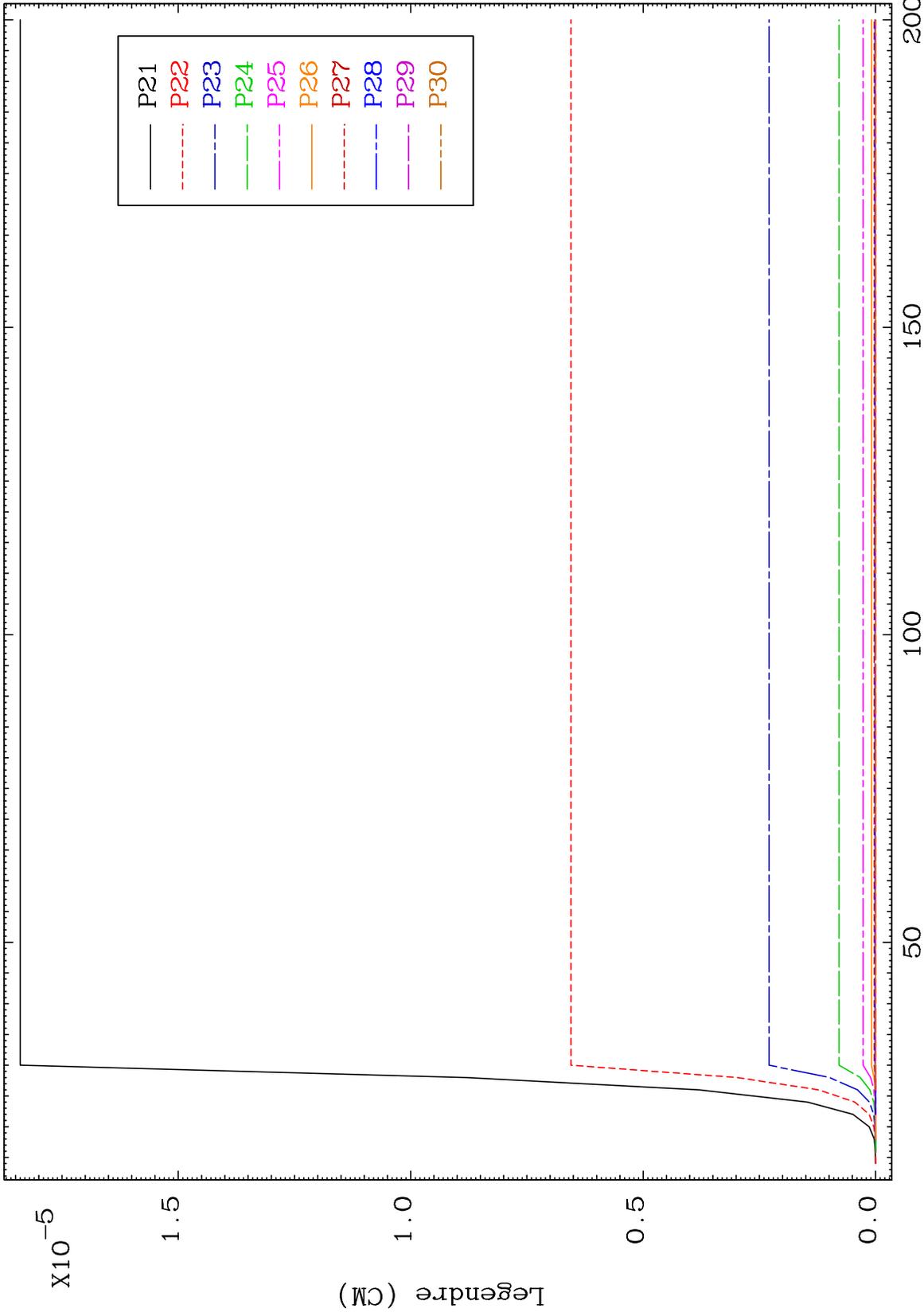
Incident Energy (MeV)

20-Ca-42

MAT 2031

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

20-Ca-42

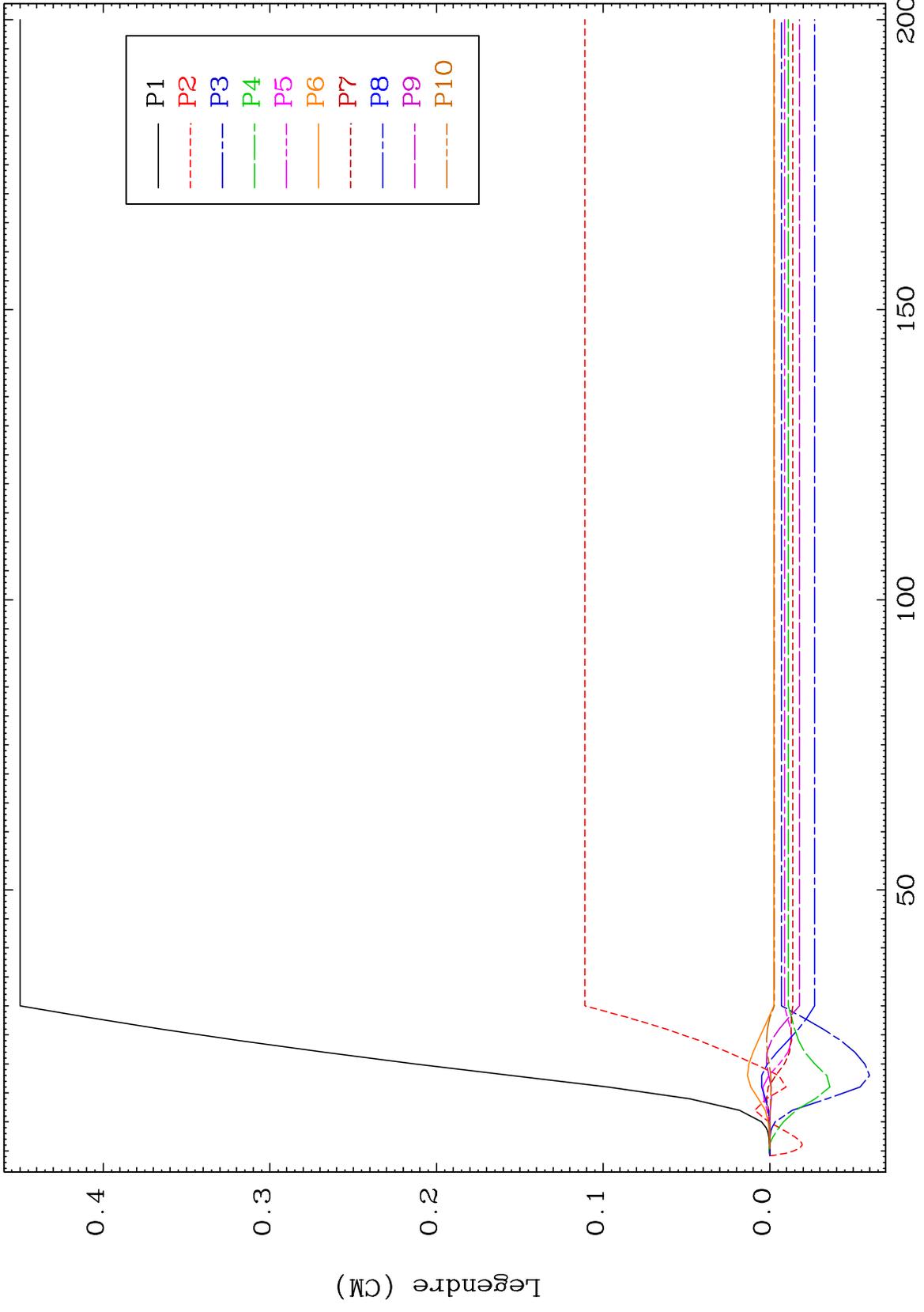


59

Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 65 (n,n') Level Legendre Coefficients 20-Ca-42

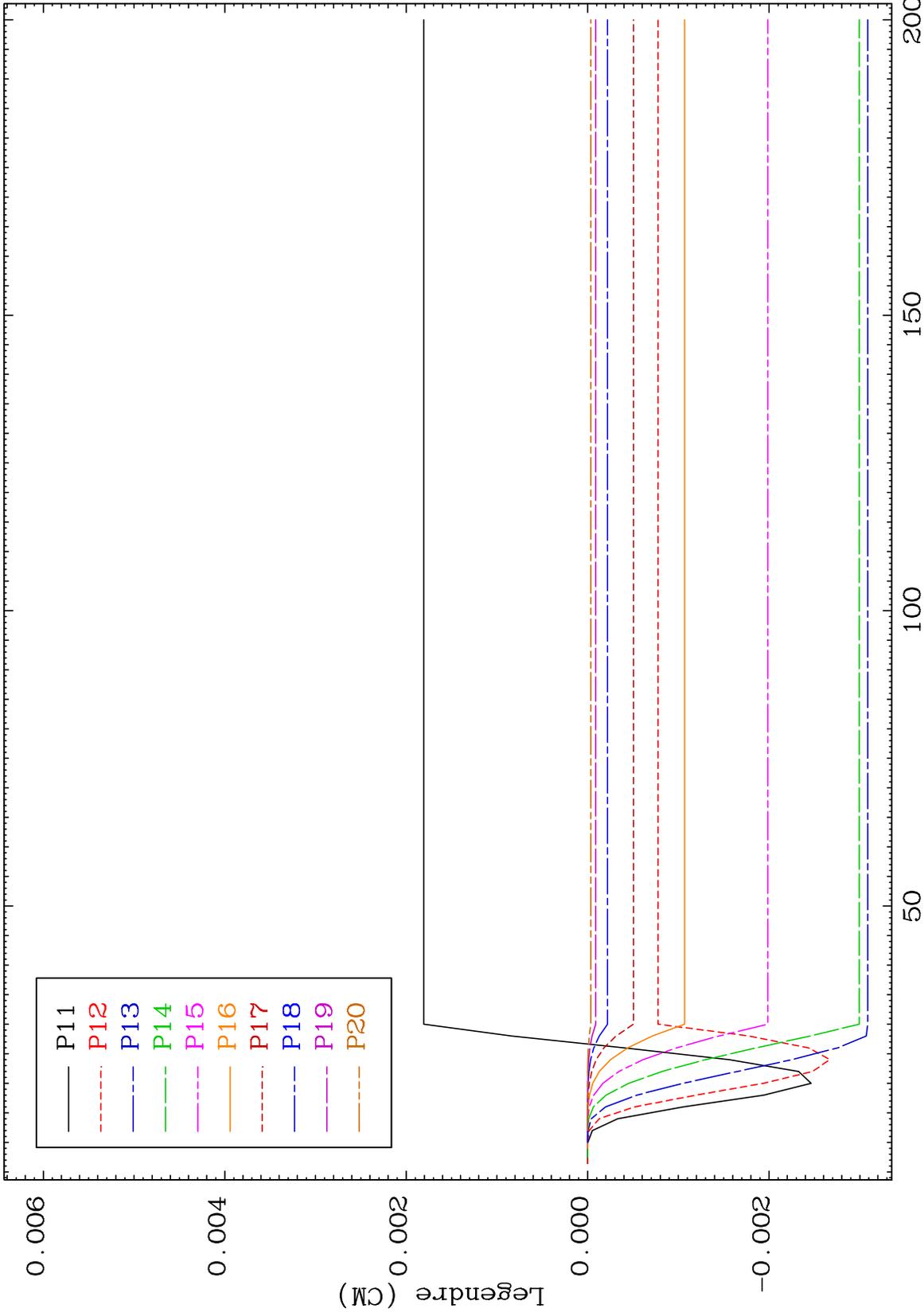


60 Incident Energy (MeV) 20-Ca-42

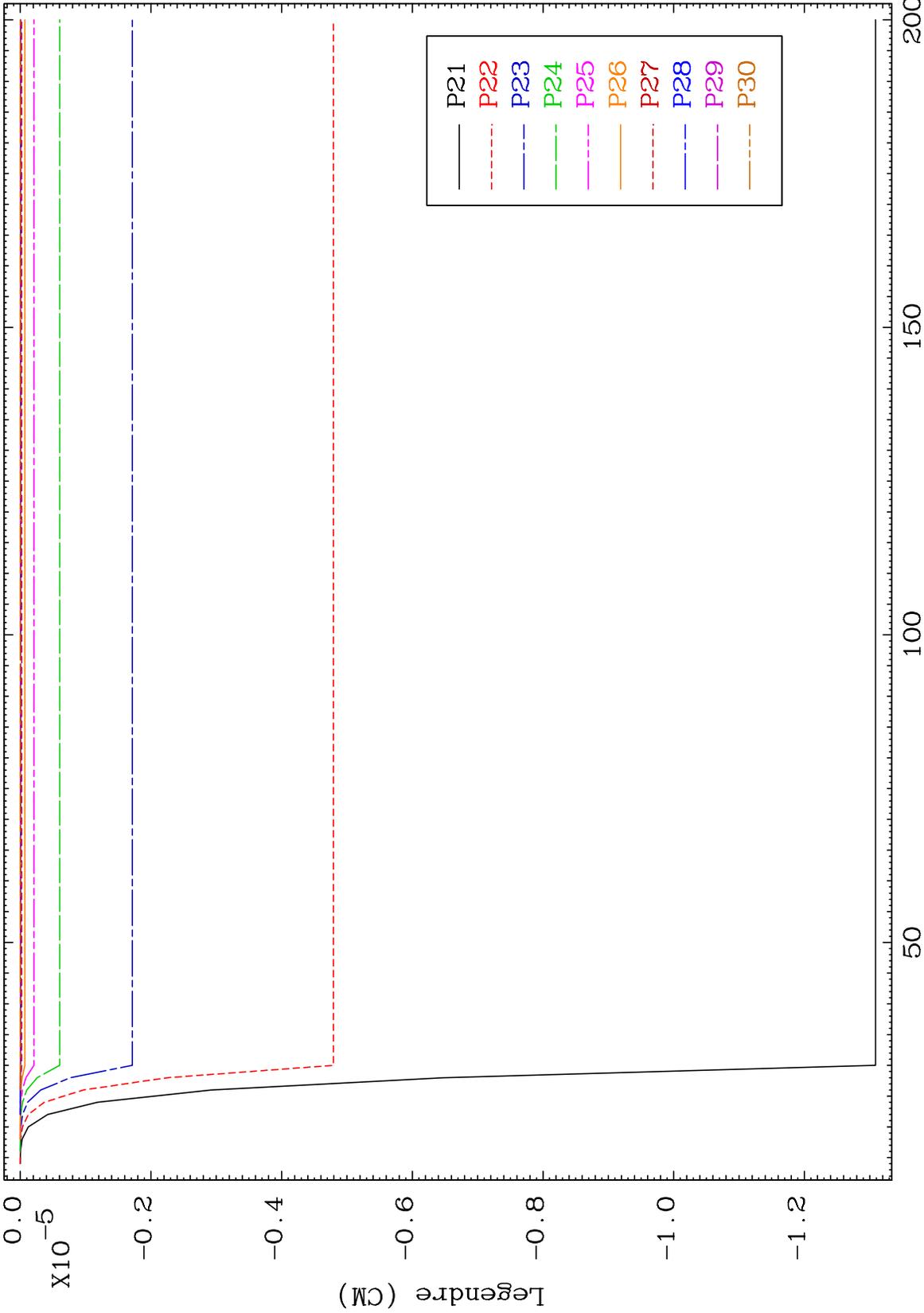
MAT 2031

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

20-Ca-42

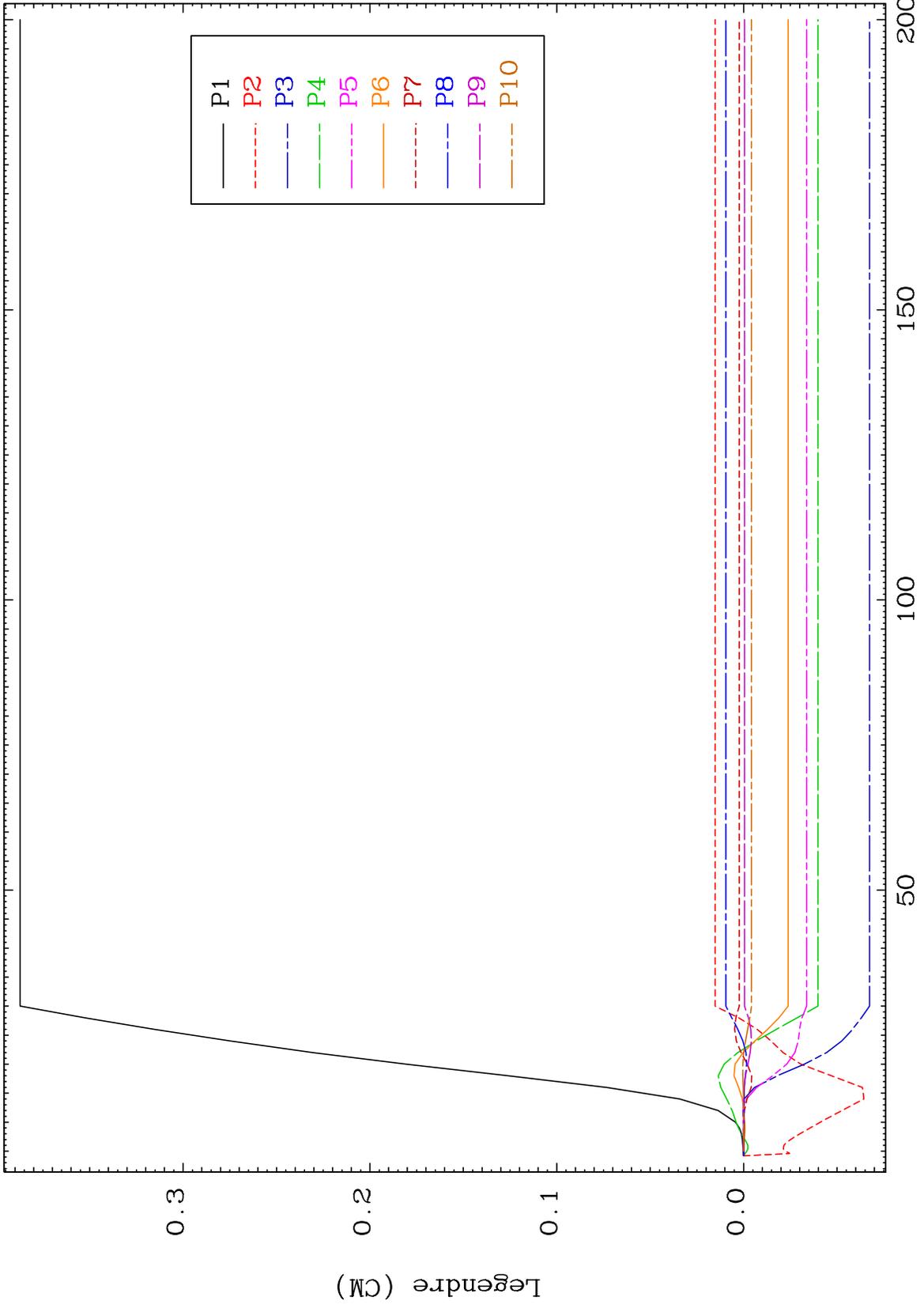


MAT 2031 MT= 65 (n,n') Level Legendre Coefficients 20-Ca-42

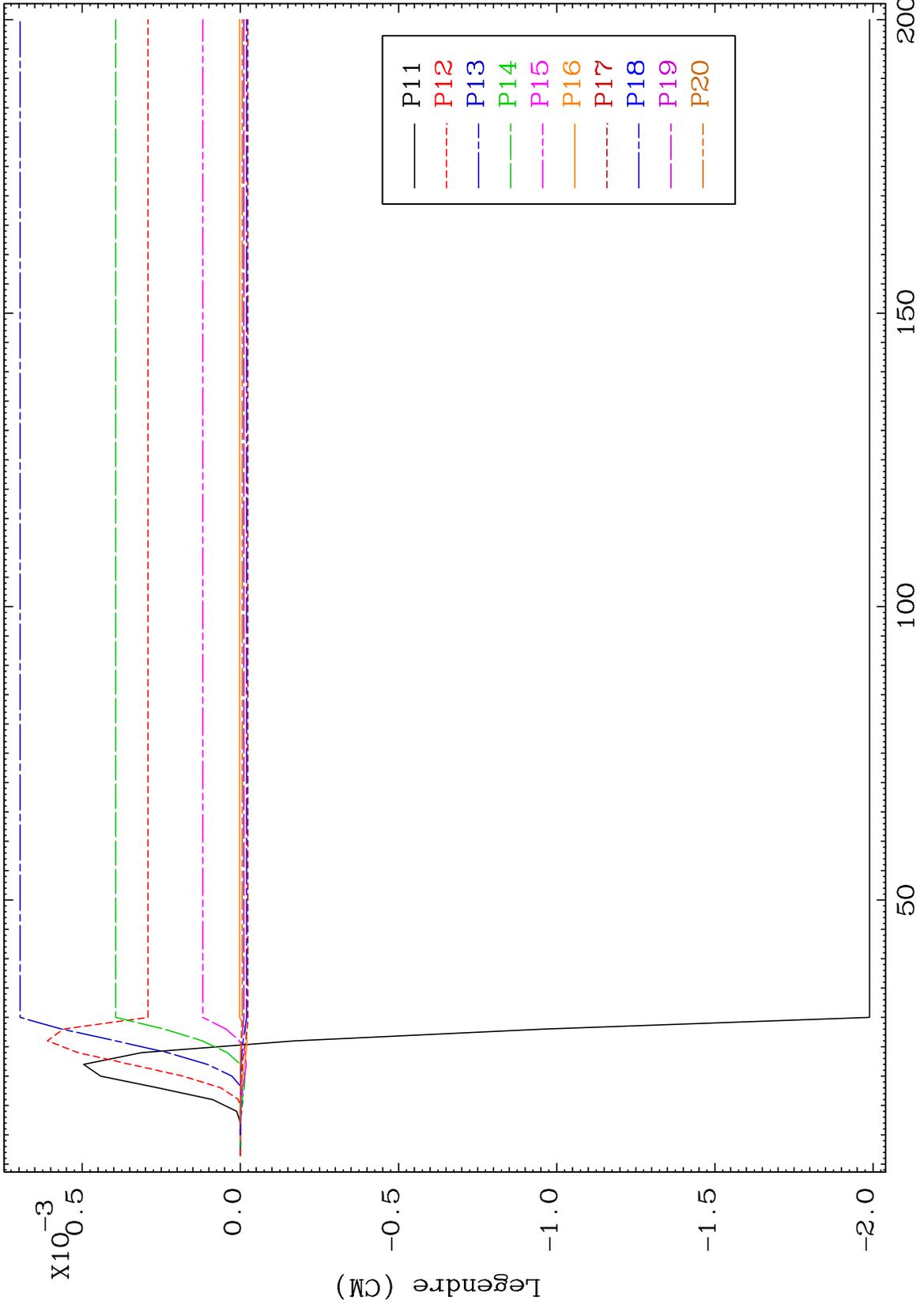


62 20-Ca-42

MAT 2031 MT= 66 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031 MT= 66 (n,n') Level Legendre Coefficients 20-Ca-42

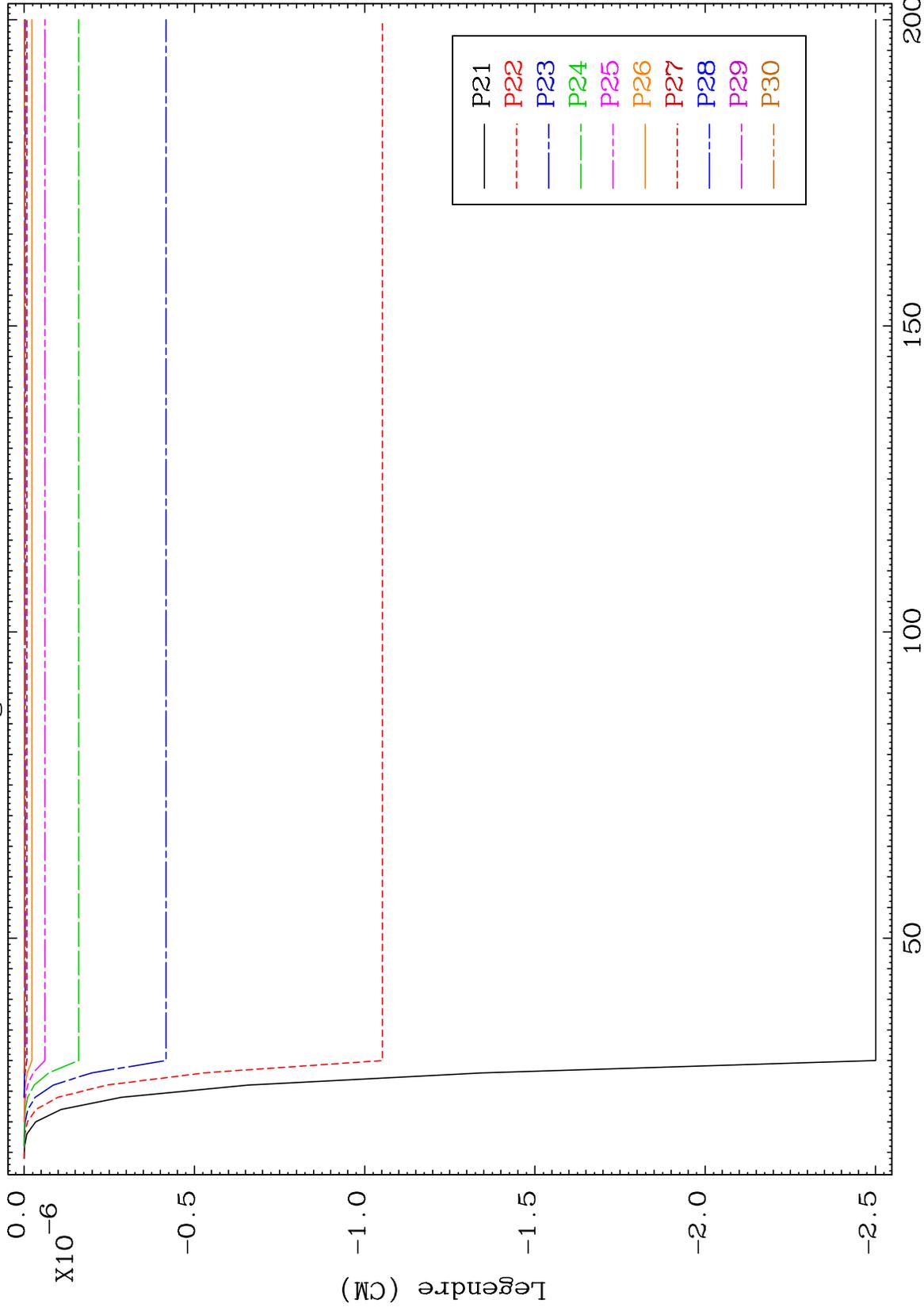


64 20-Ca-42

MAT 2031

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

20-Ca-42



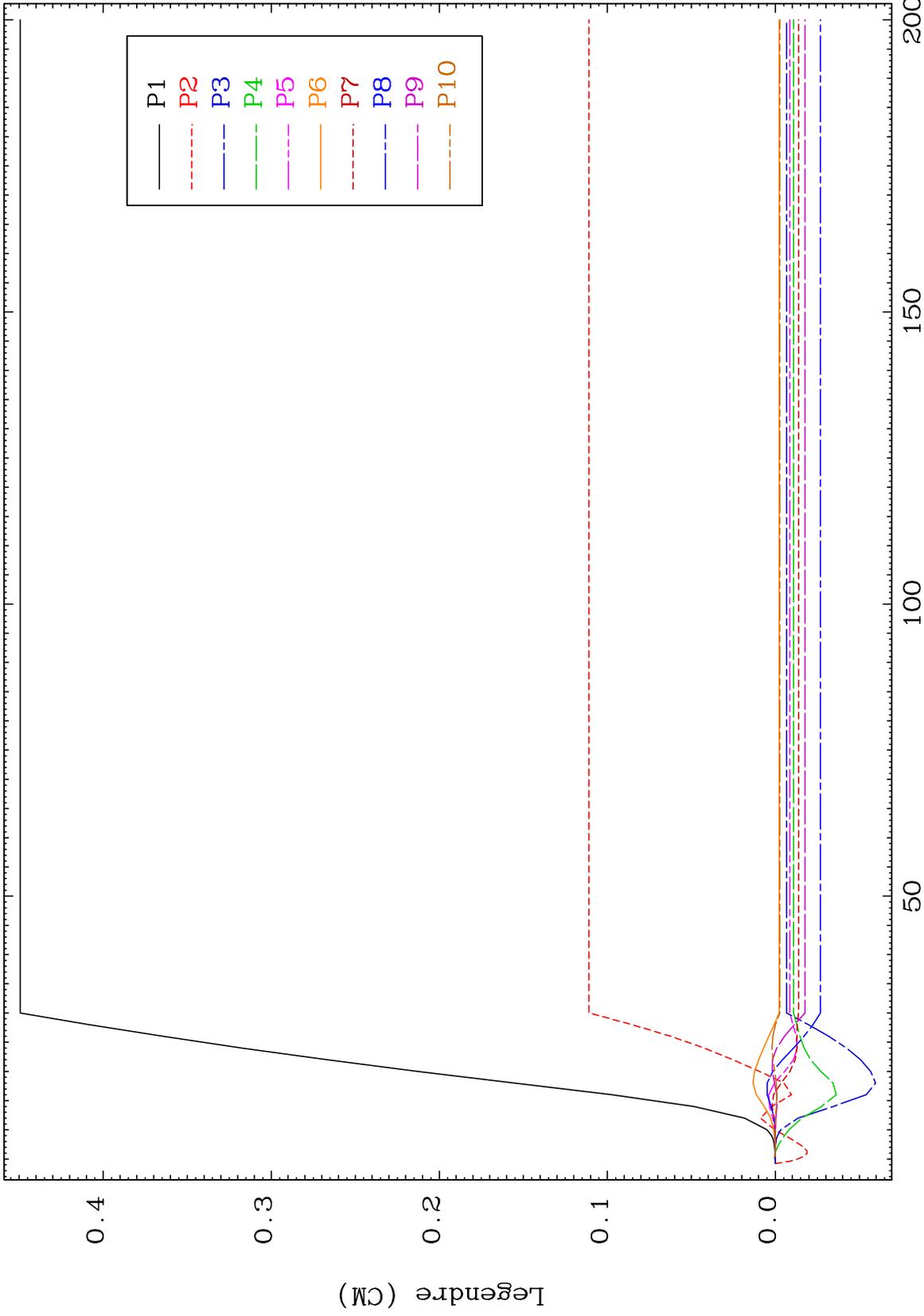
65

20-Ca-42

MAT 2031

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

20-Ca-42



66

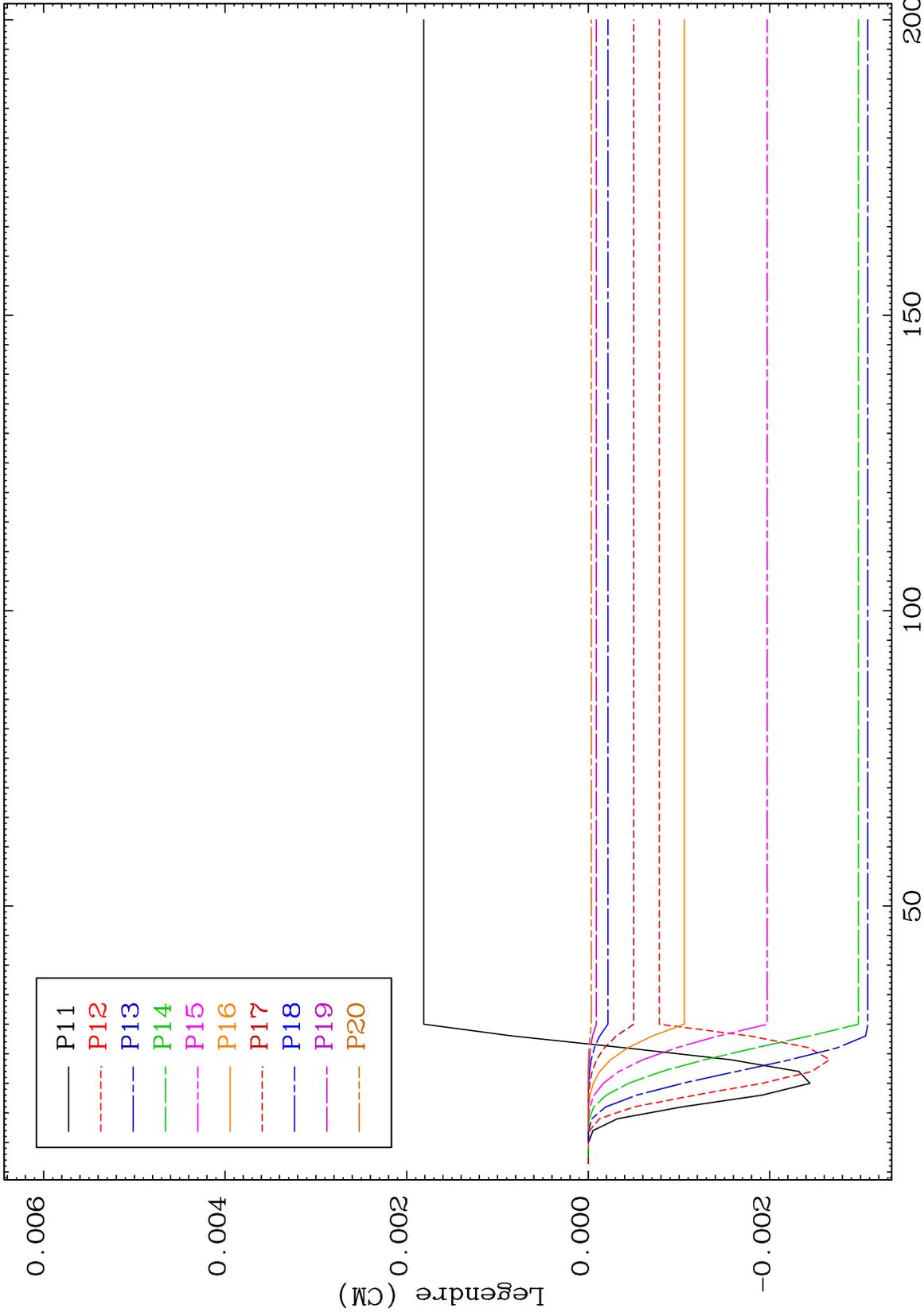
Incident Energy (MeV)

20-Ca-42

MAT 2031

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

20-Ca-42

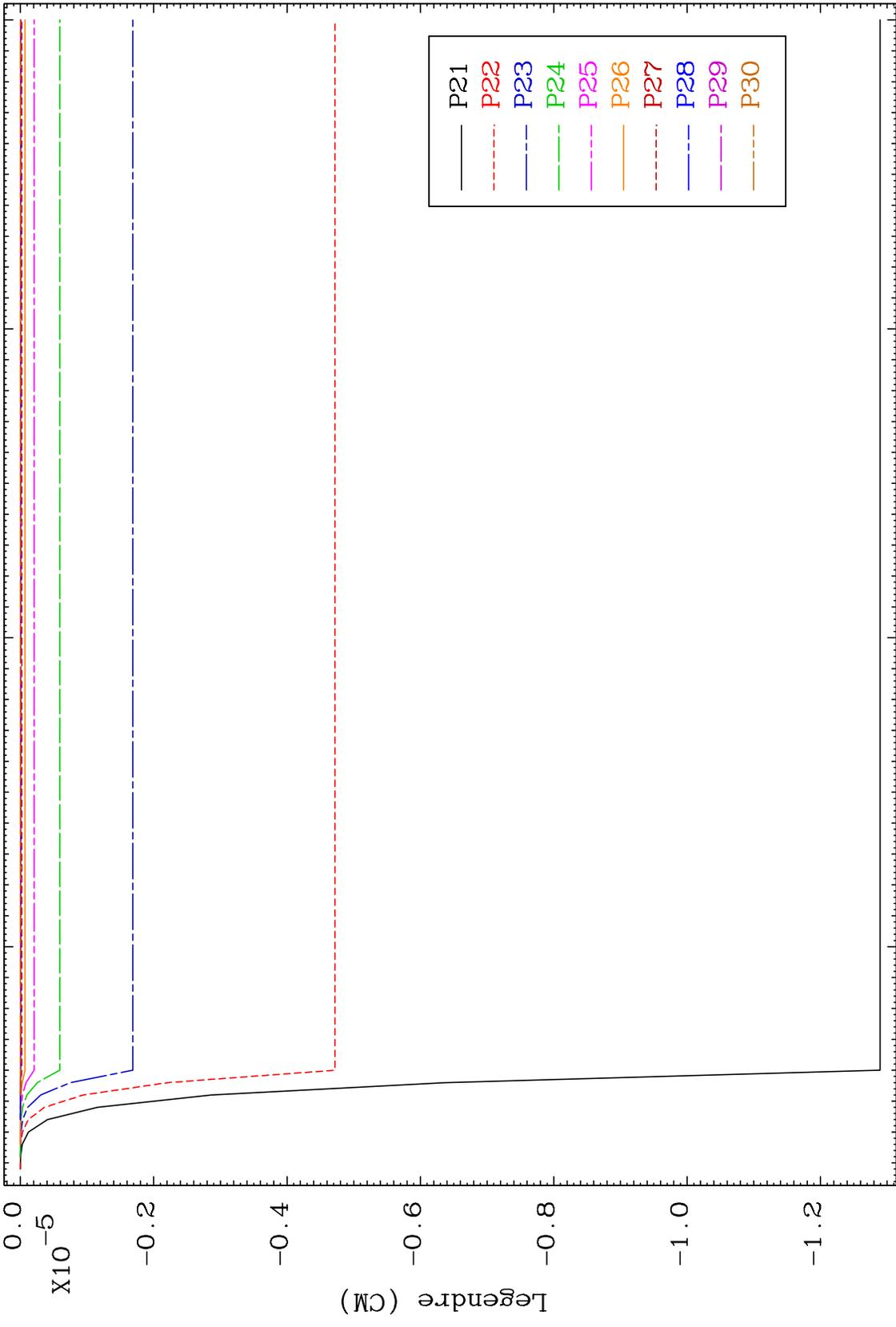


67

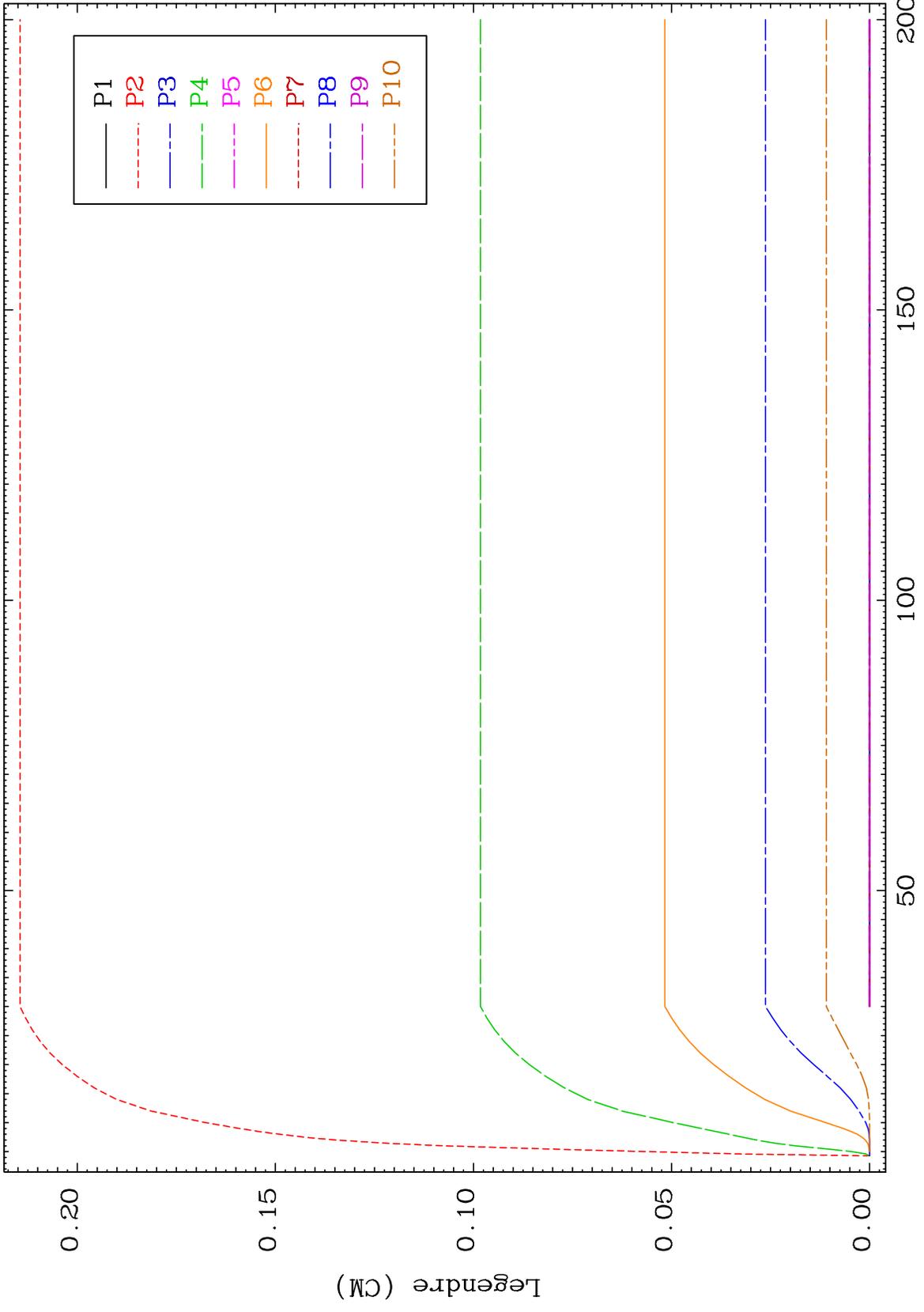
Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 67 (n,n') Level Legendre Coefficients 20-Ca-42

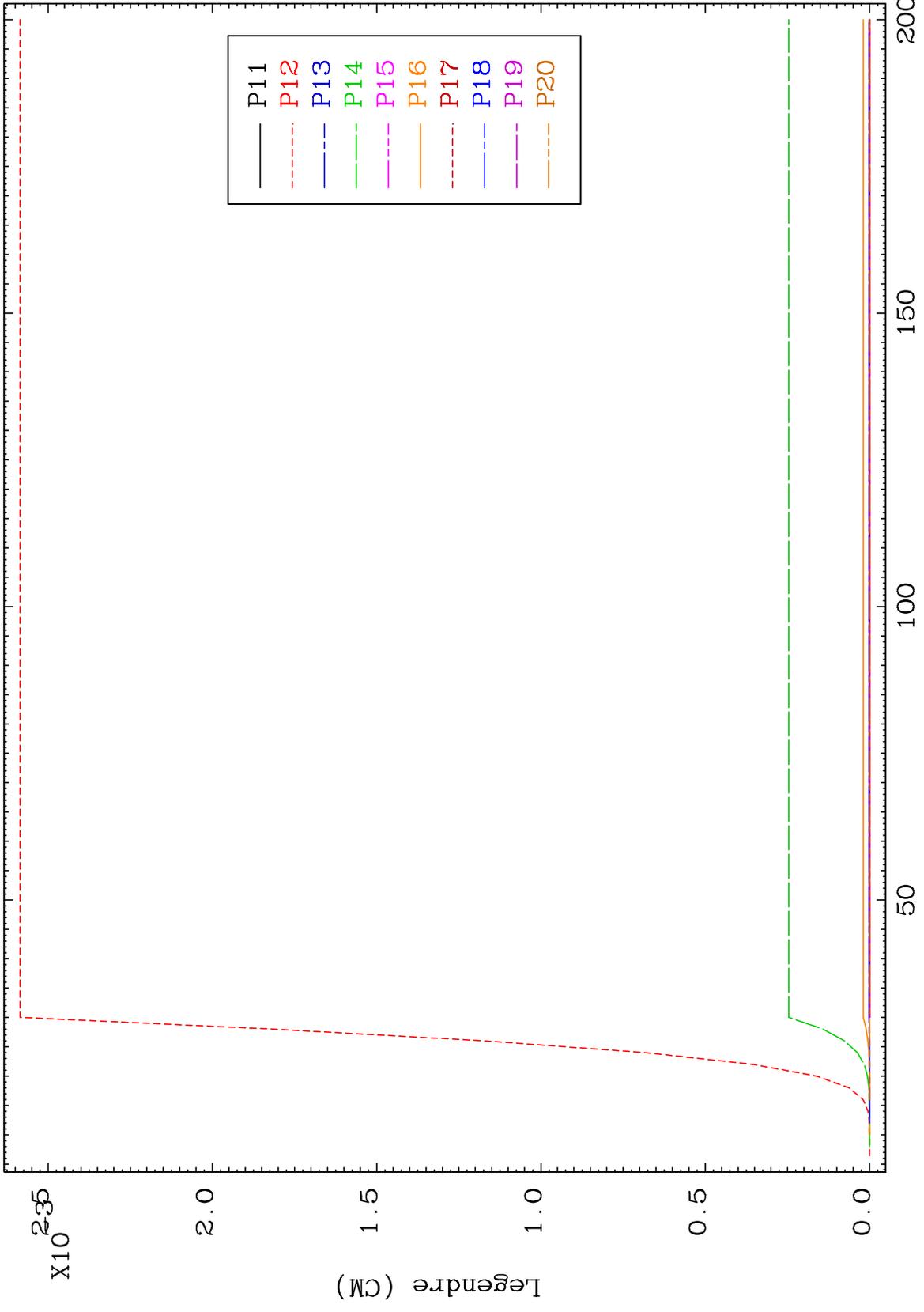


MAT 2031 MT= 68 (n,n') Level Legendre Coefficients 20-Ca-42



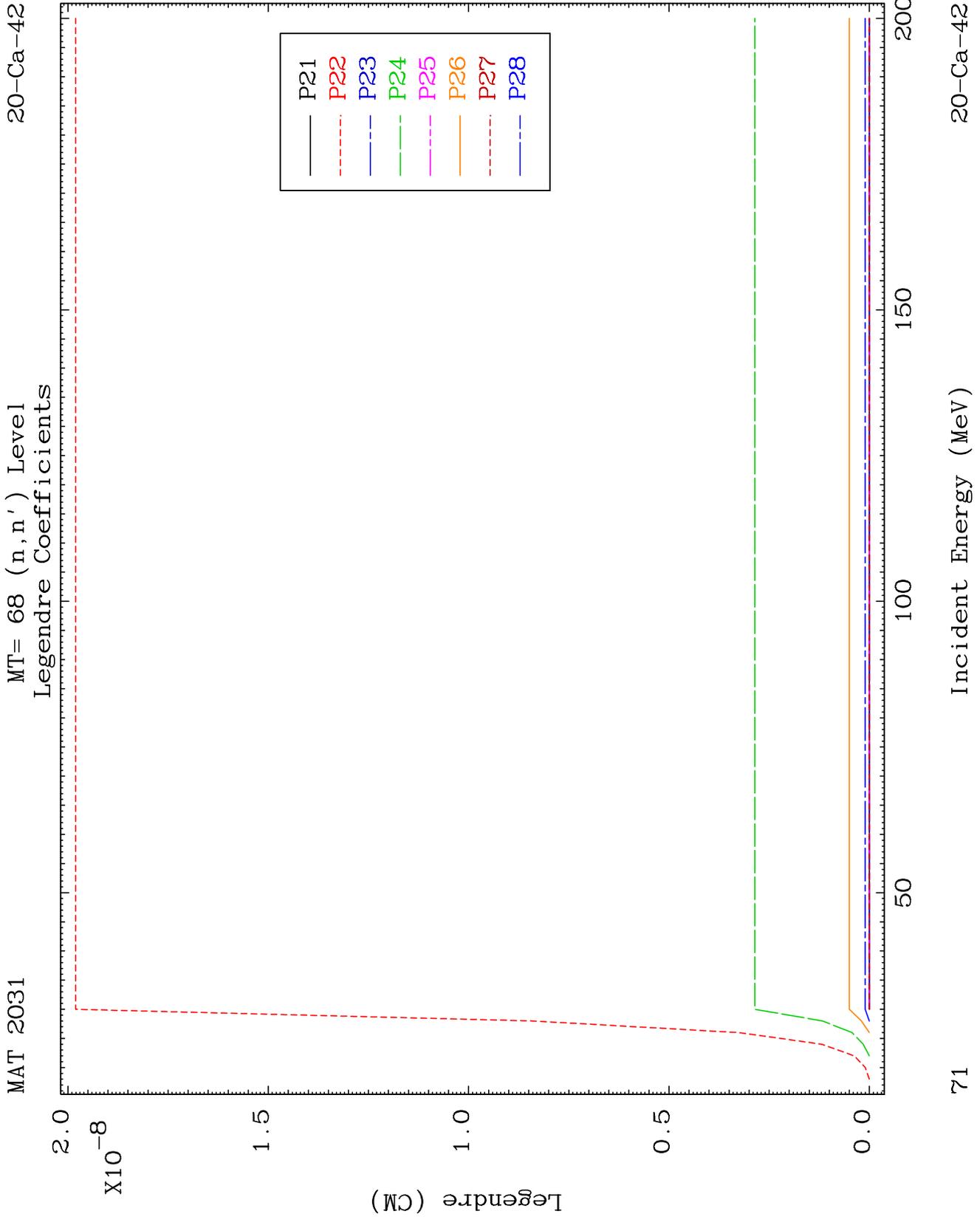
MAT 2031 MT= 68 (n,n') Level Legendre Coefficients

20-Ca-42

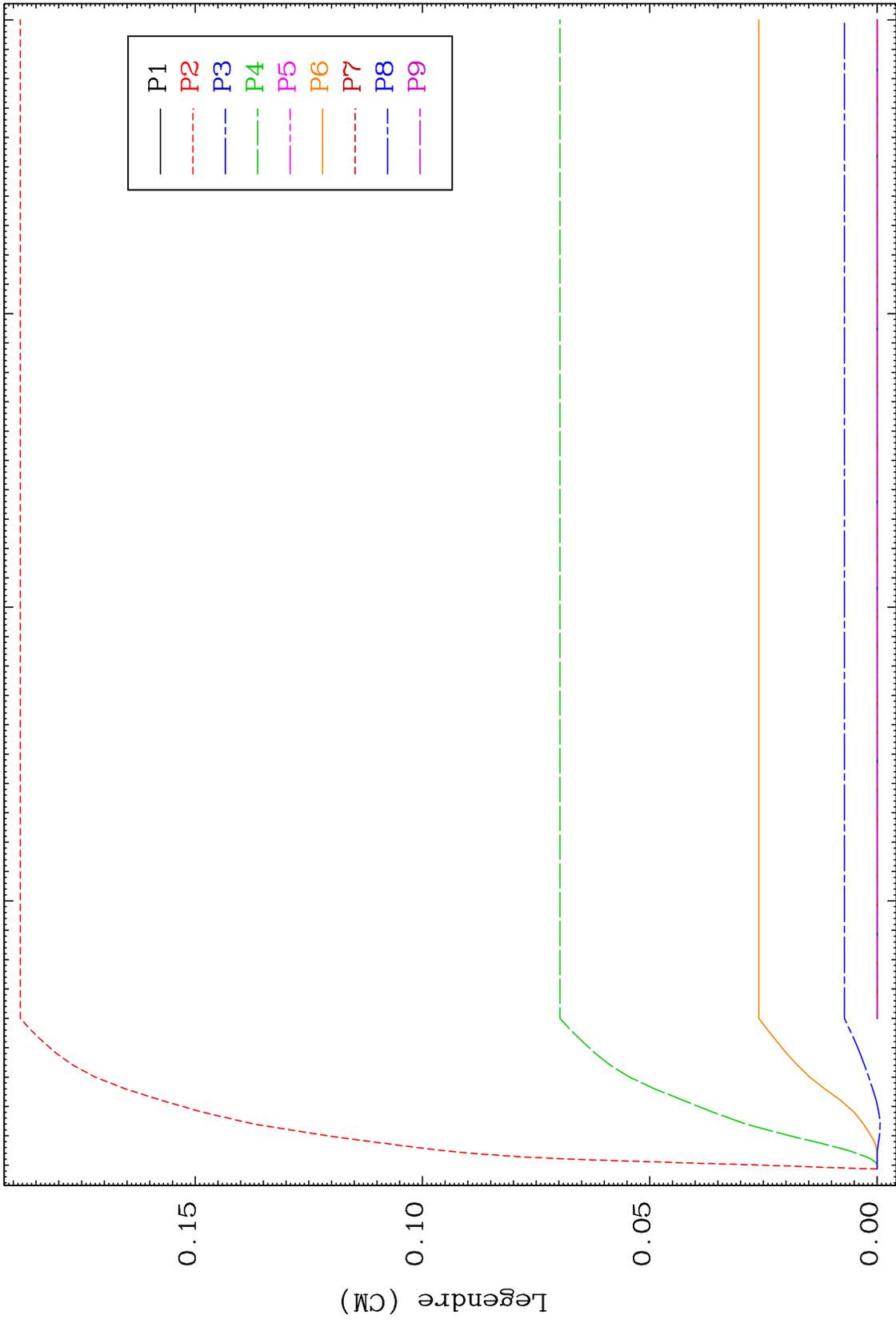


70

20-Ca-42



MAT 2031 MT= 69 (n,n') Level Legendre Coefficients 20-Ca-42

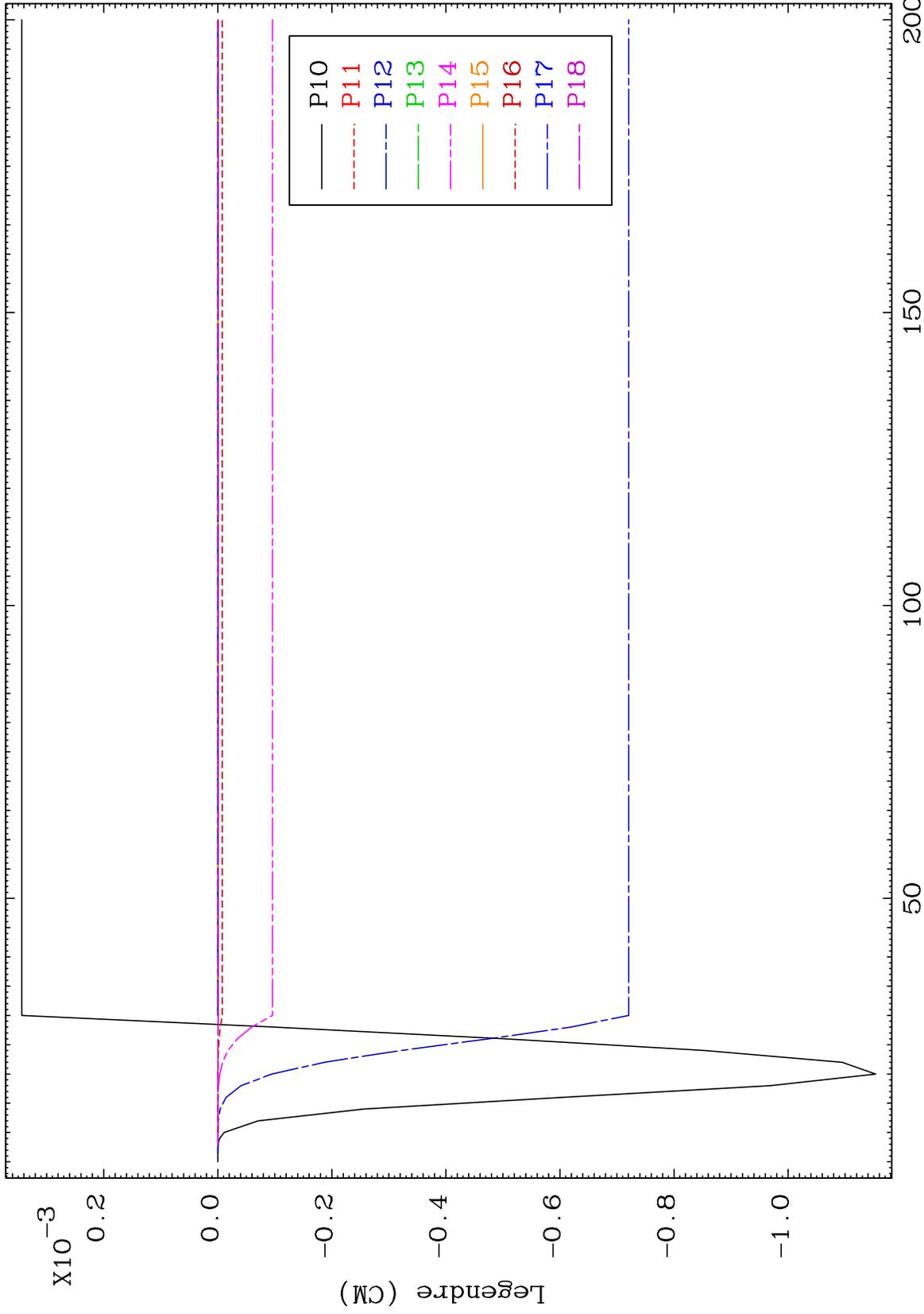


72 Incident Energy (MeV) 20-Ca-42

MAT 2031

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

20-Ca-42

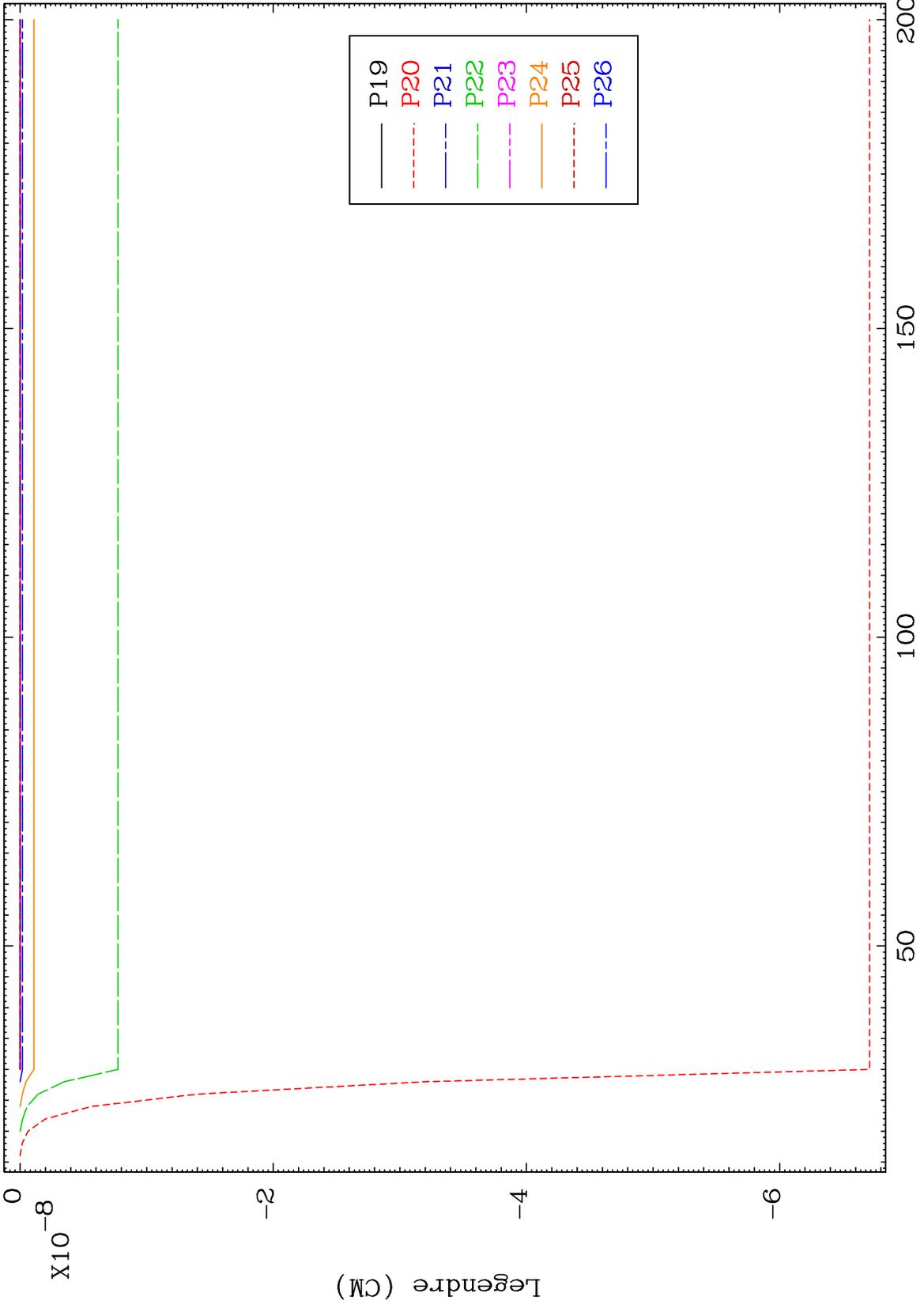


73

Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 69 (n,n') Level Legendre Coefficients 20-Ca-42

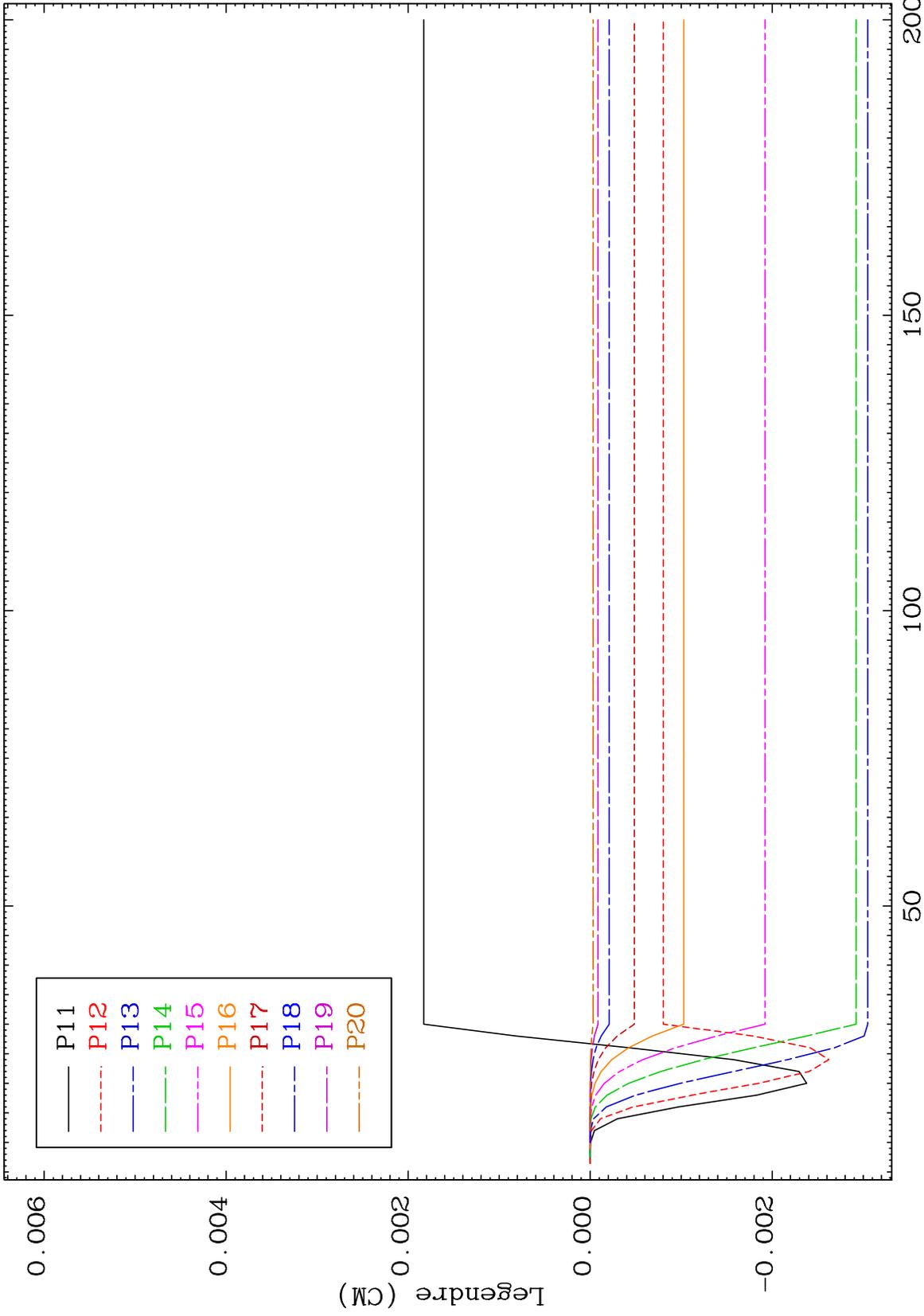


74 20-Ca-42

MAT 2031

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

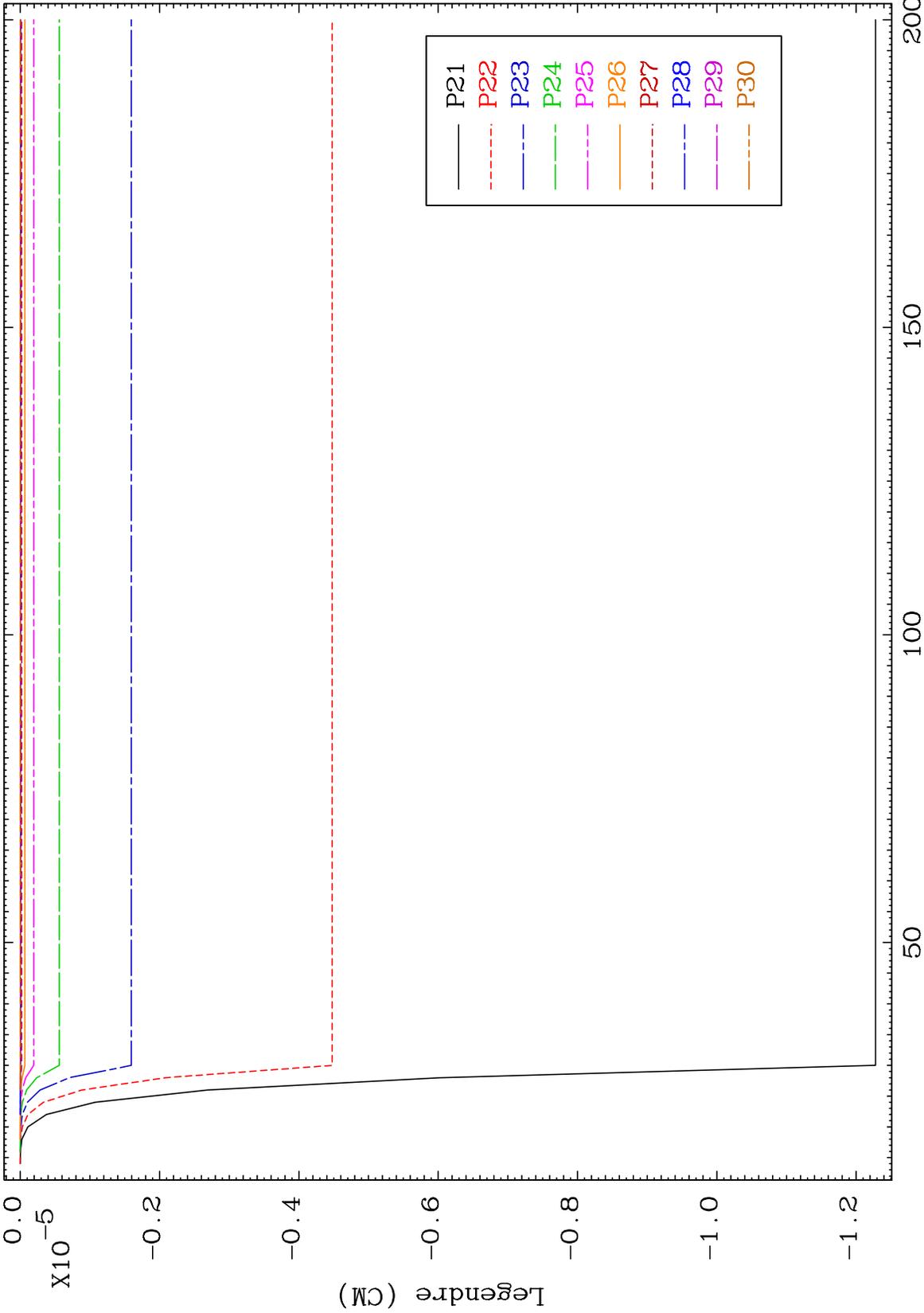
20-Ca-42



76

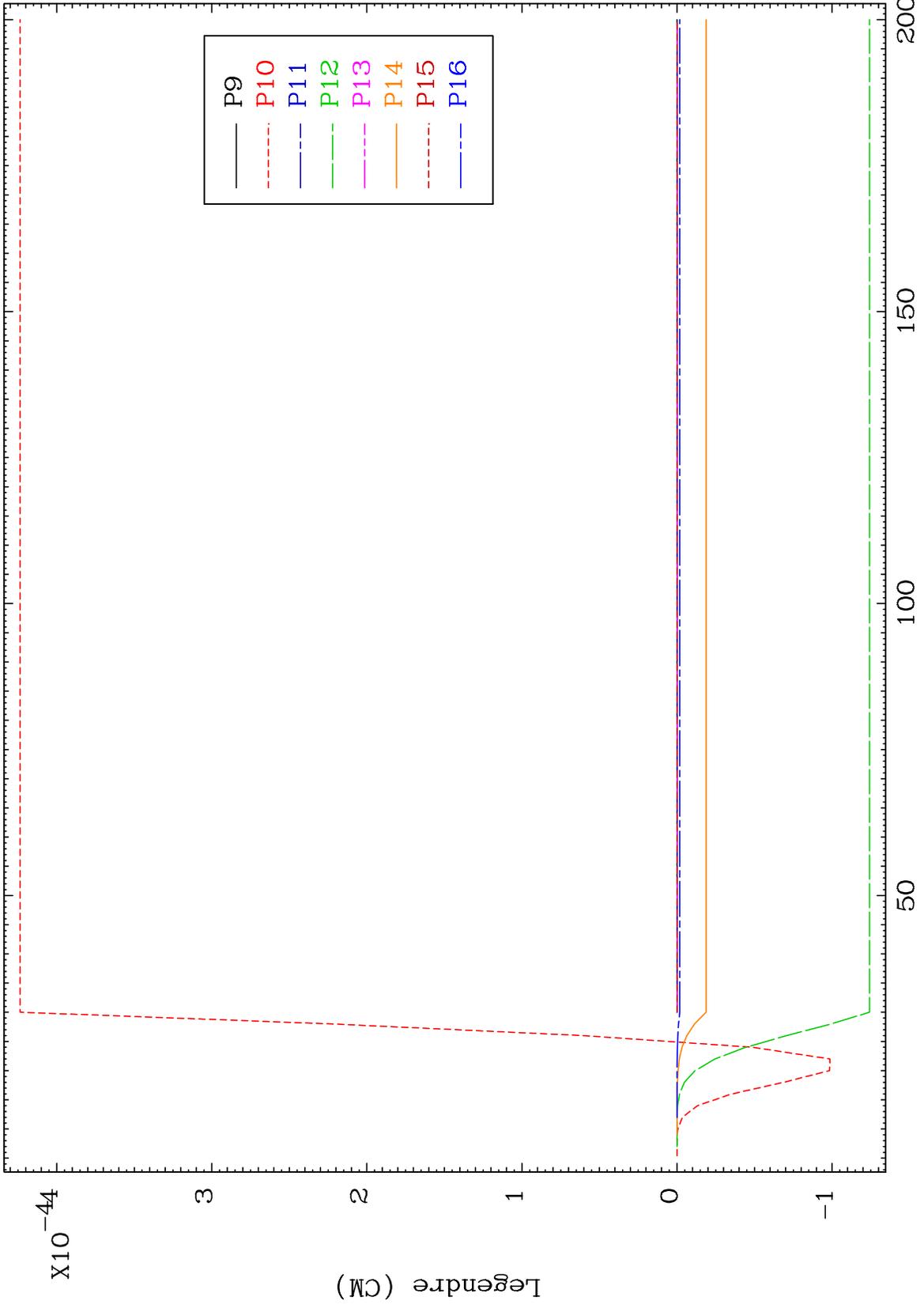
20-Ca-42

MAT 2031 MT= 70 (n,n') Level Legendre Coefficients 20-Ca-42

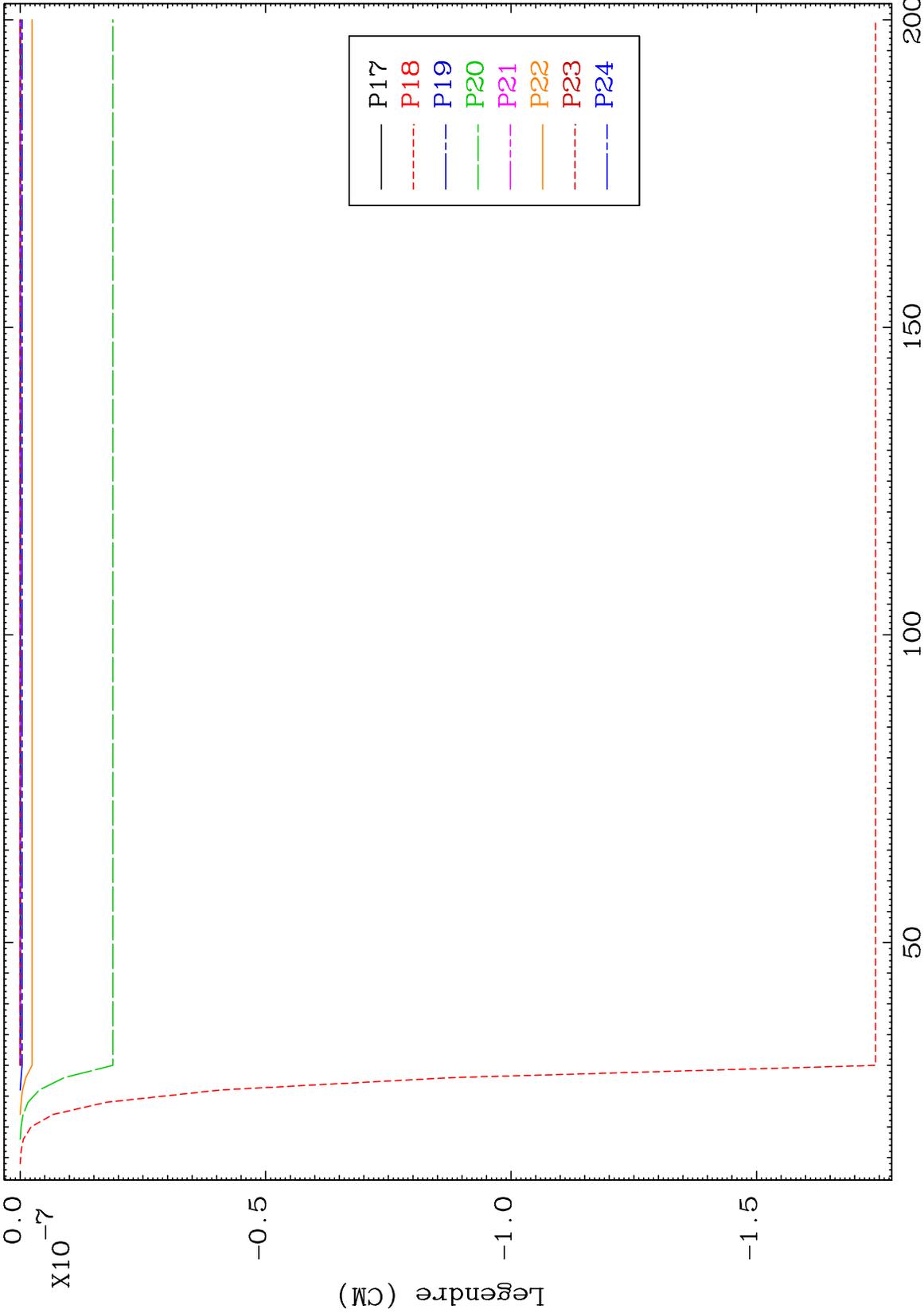


77 20-Ca-42

MAT 2031 MT= 71 (n,n') Level Legendre Coefficients 20-Ca-42

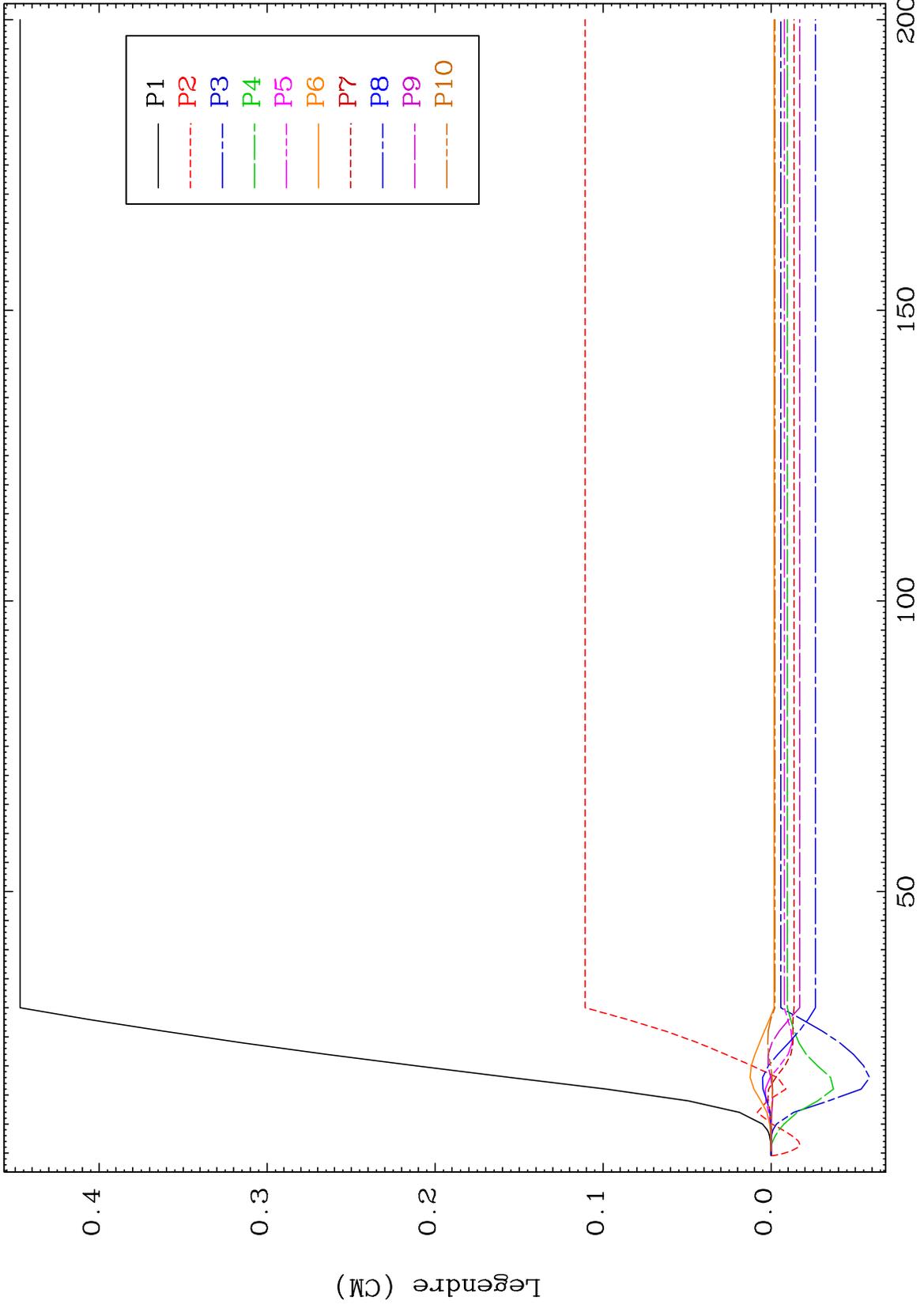


MAT 2031 MT= 71 (n,n') Level Legendre Coefficients 20-Ca-42



80 Incident Energy (MeV) 20-Ca-42

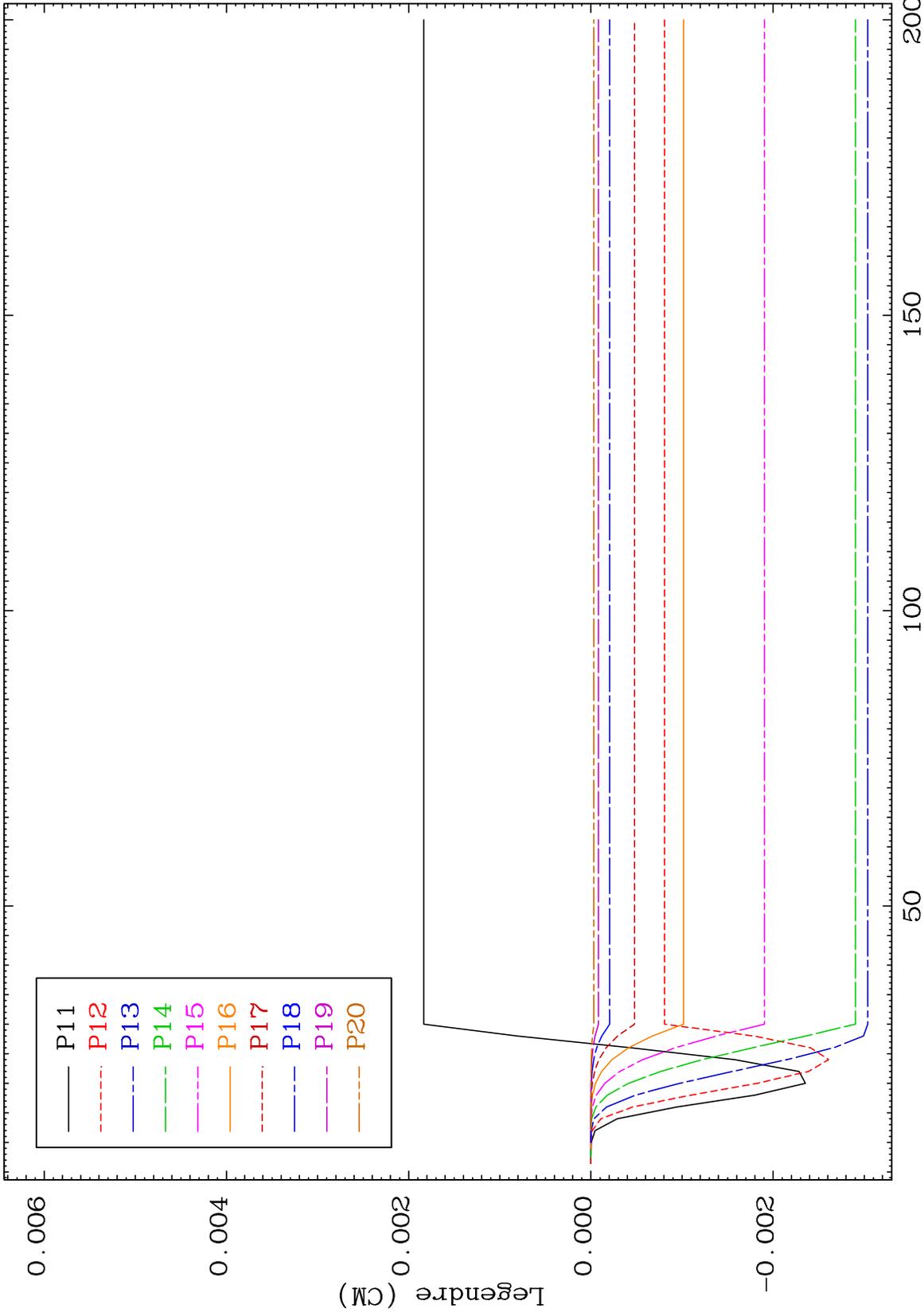
MAT 2031 MT= 72 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031

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

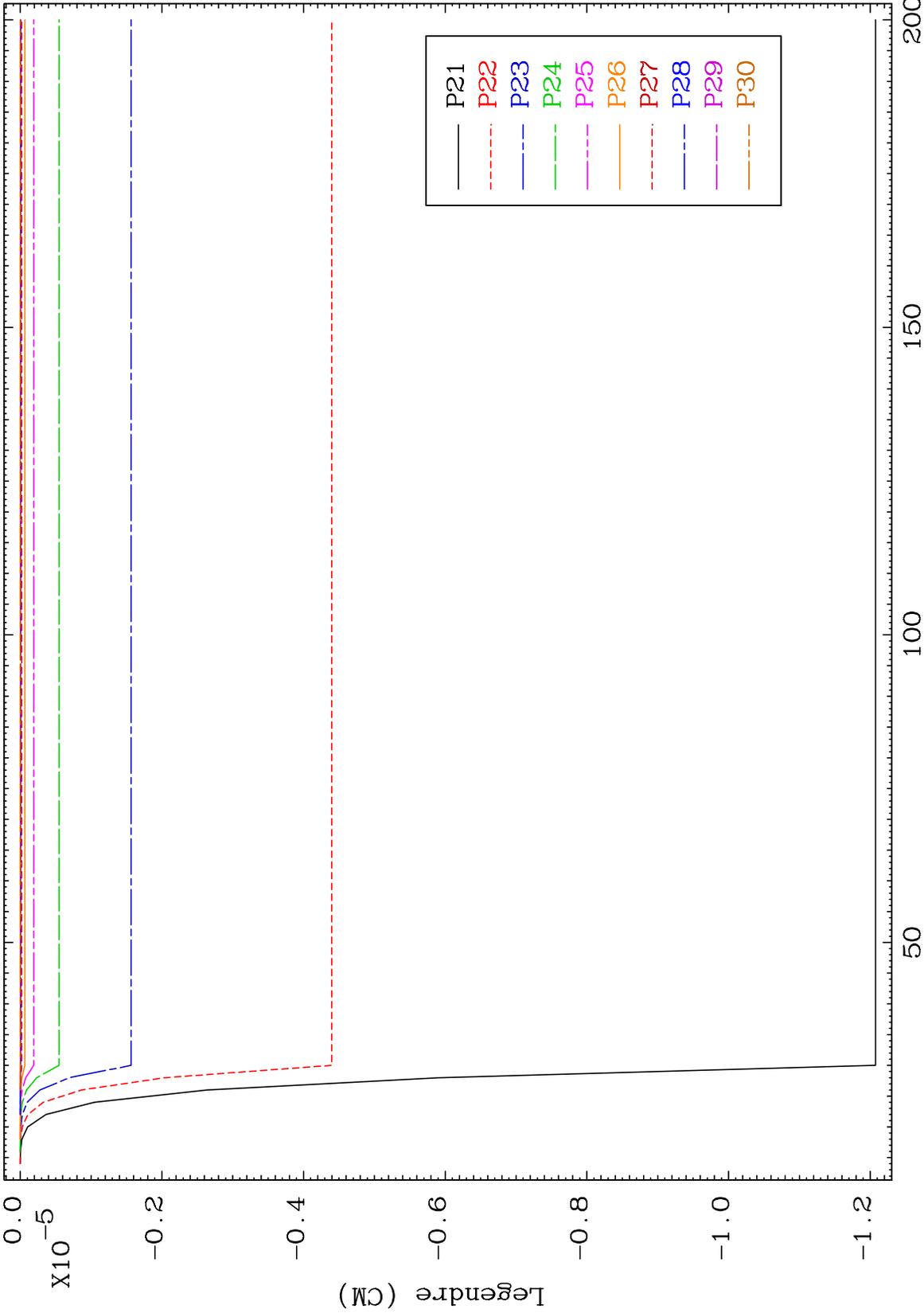
20-Ca-42



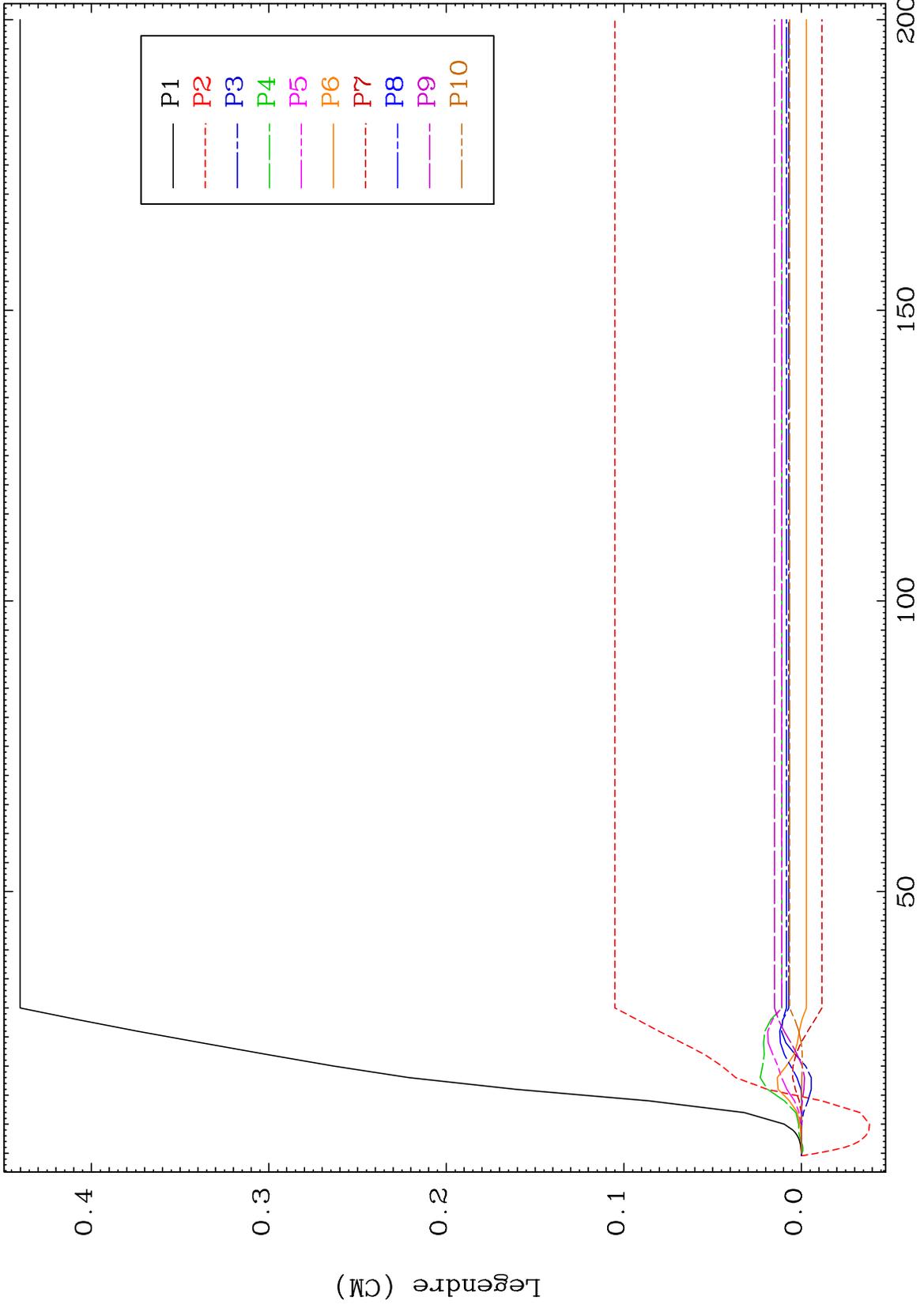
82

20-Ca-42

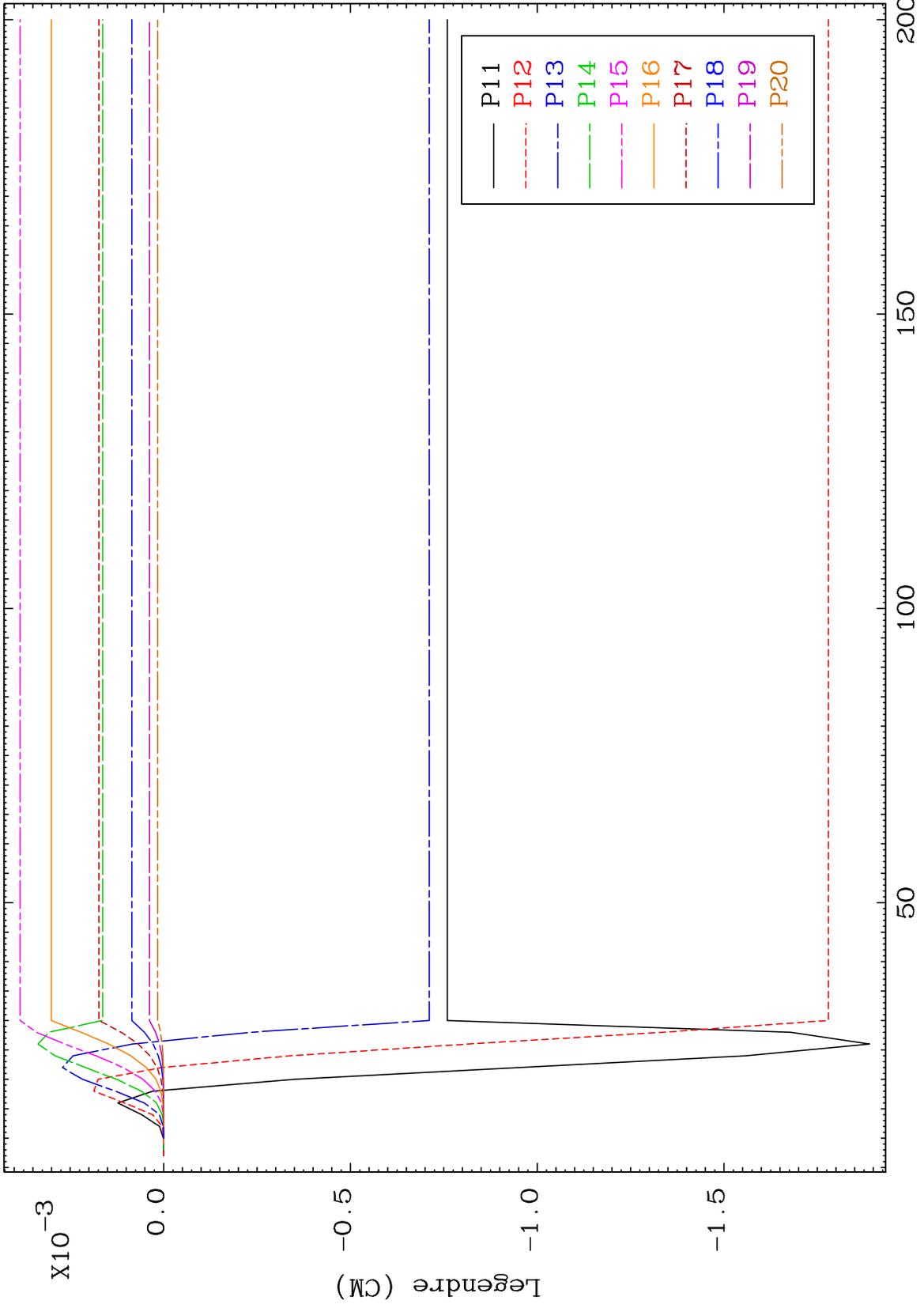
MAT 2031 MT= 72 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031 MT= 73 (n,n') Level Legendre Coefficients 20-Ca-42



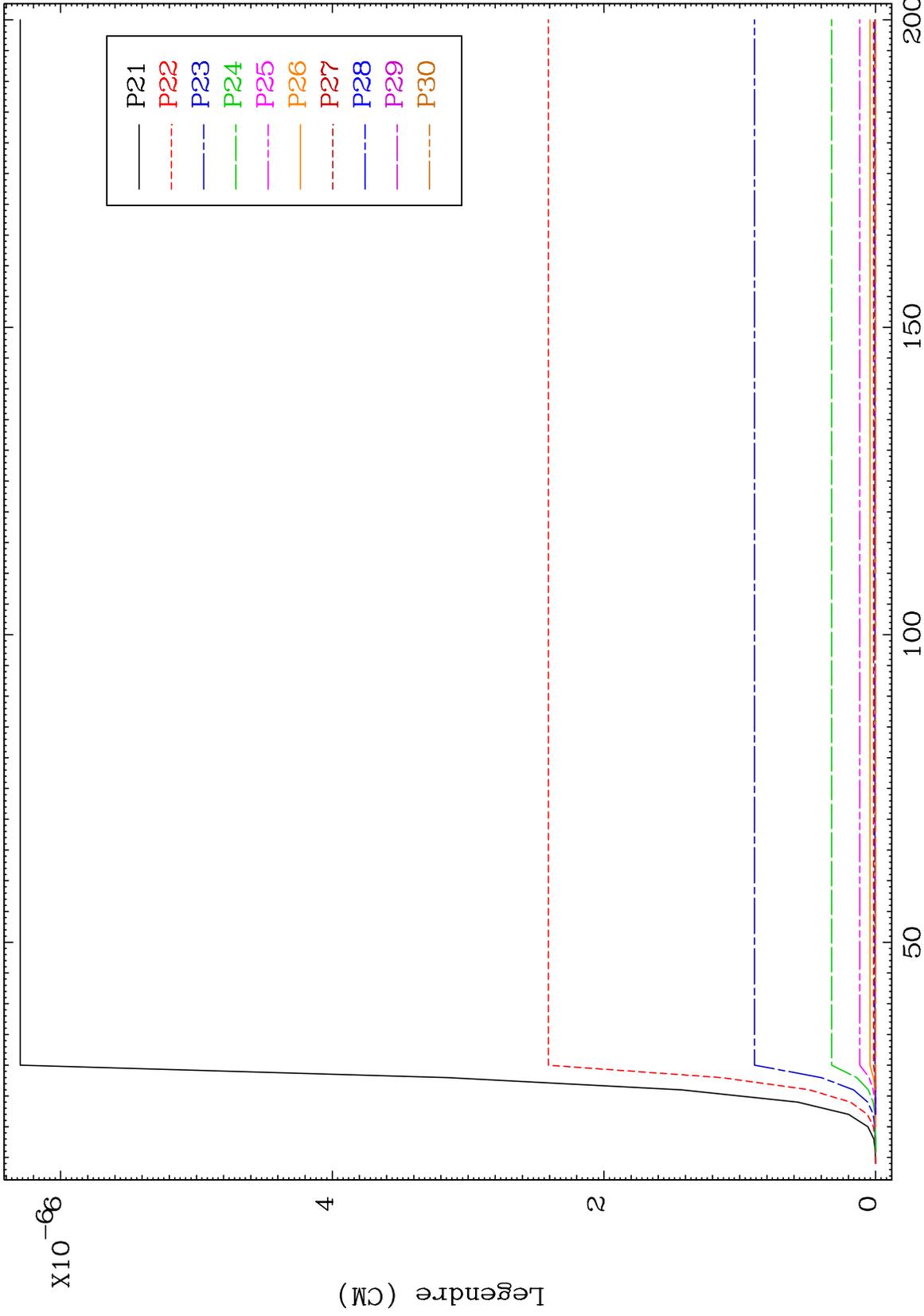
MAT 2031 MT= 73 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031

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

20-Ca-42

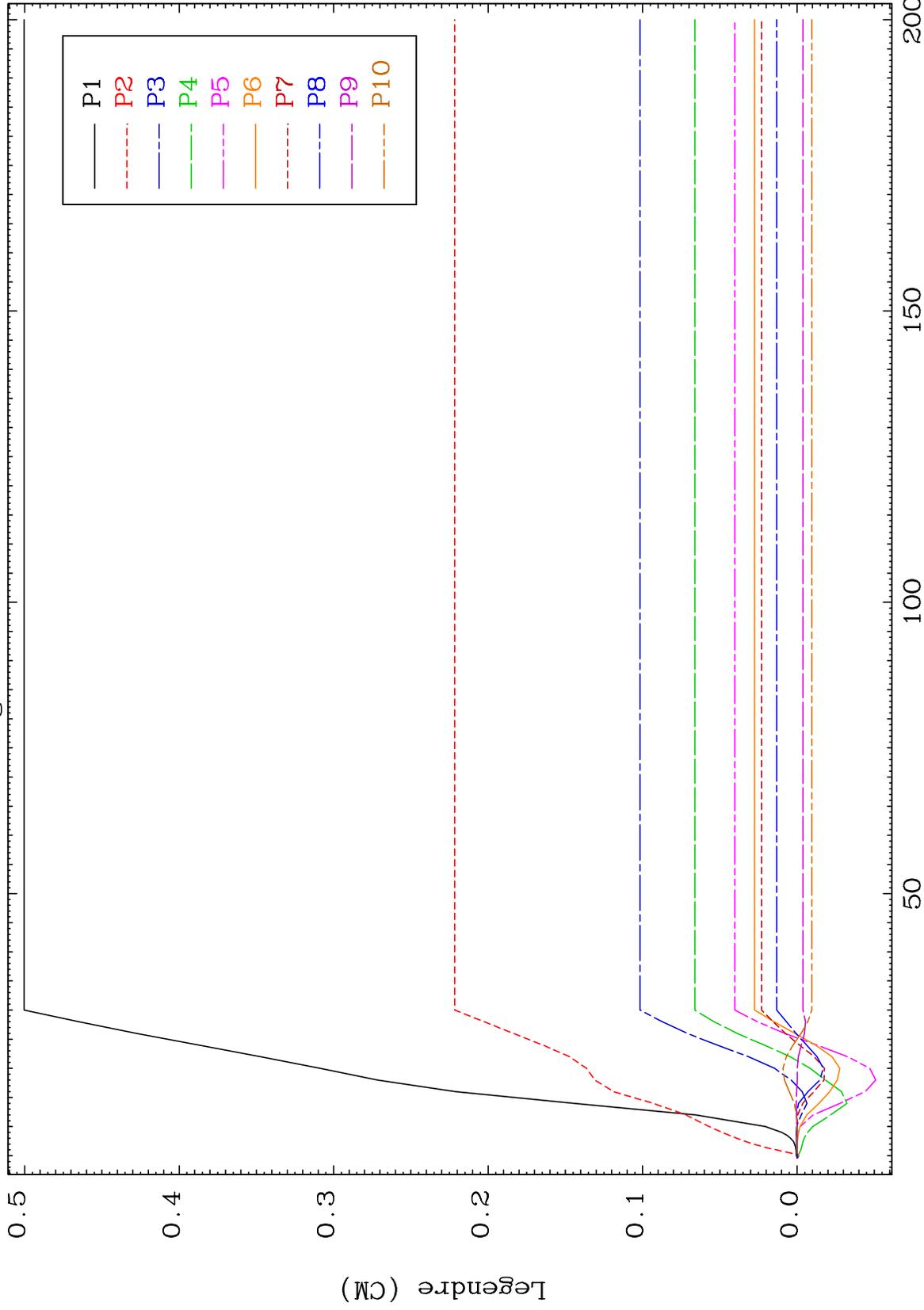


86

Incident Energy (MeV)

20-Ca-42

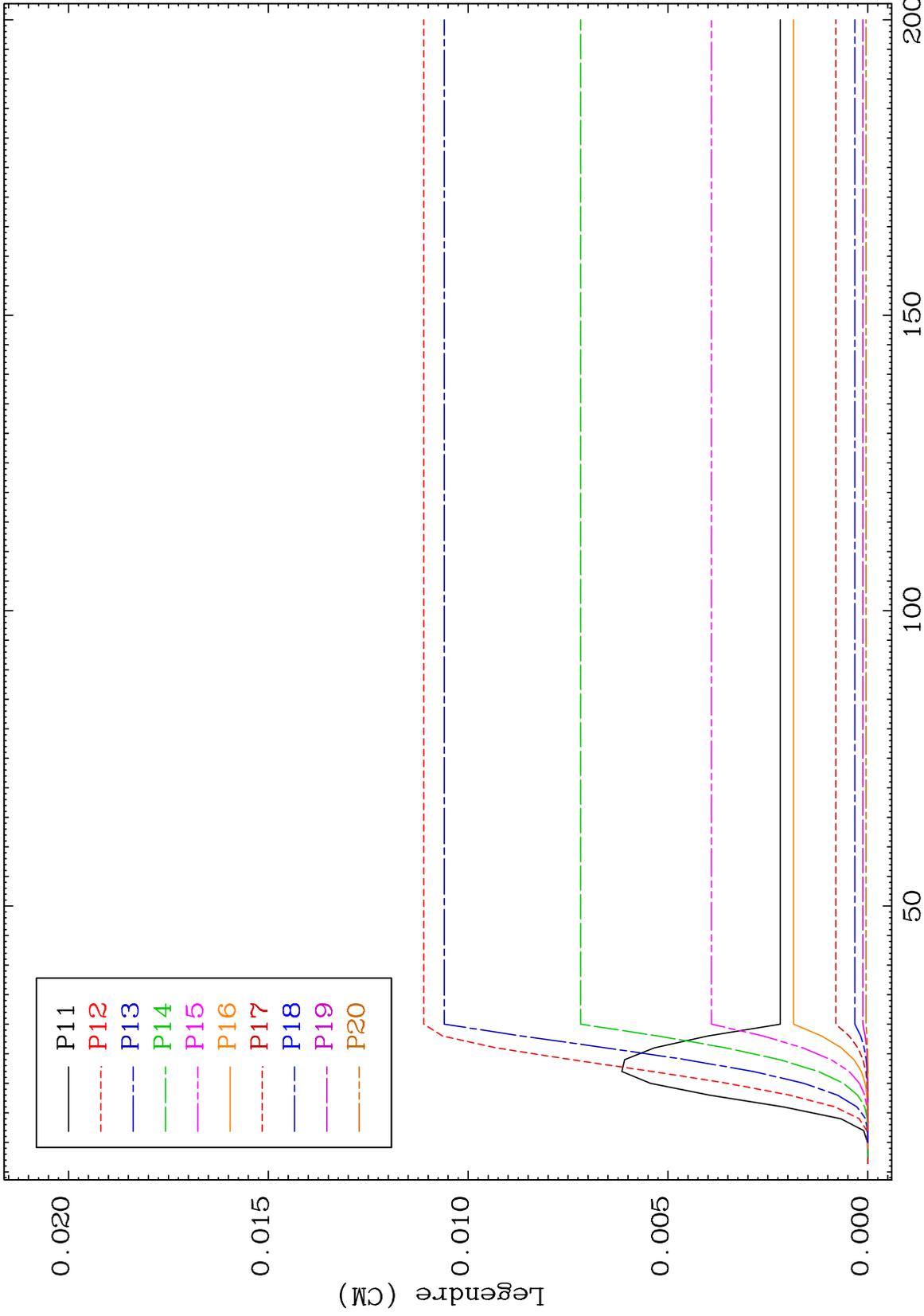
MAT 2031 MT= 74 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031

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

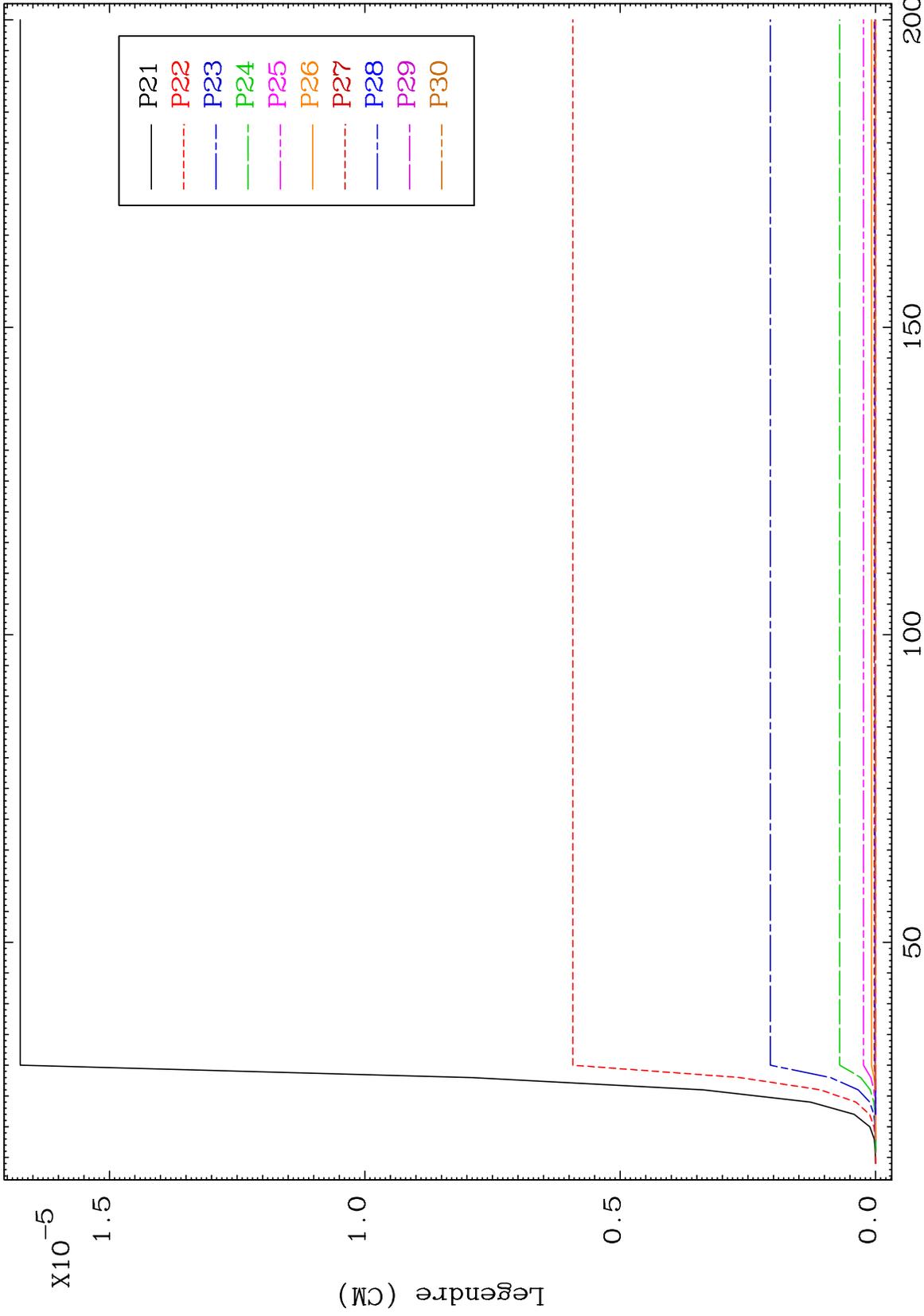
20-Ca-42



MAT 2031

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

20-Ca-42



89

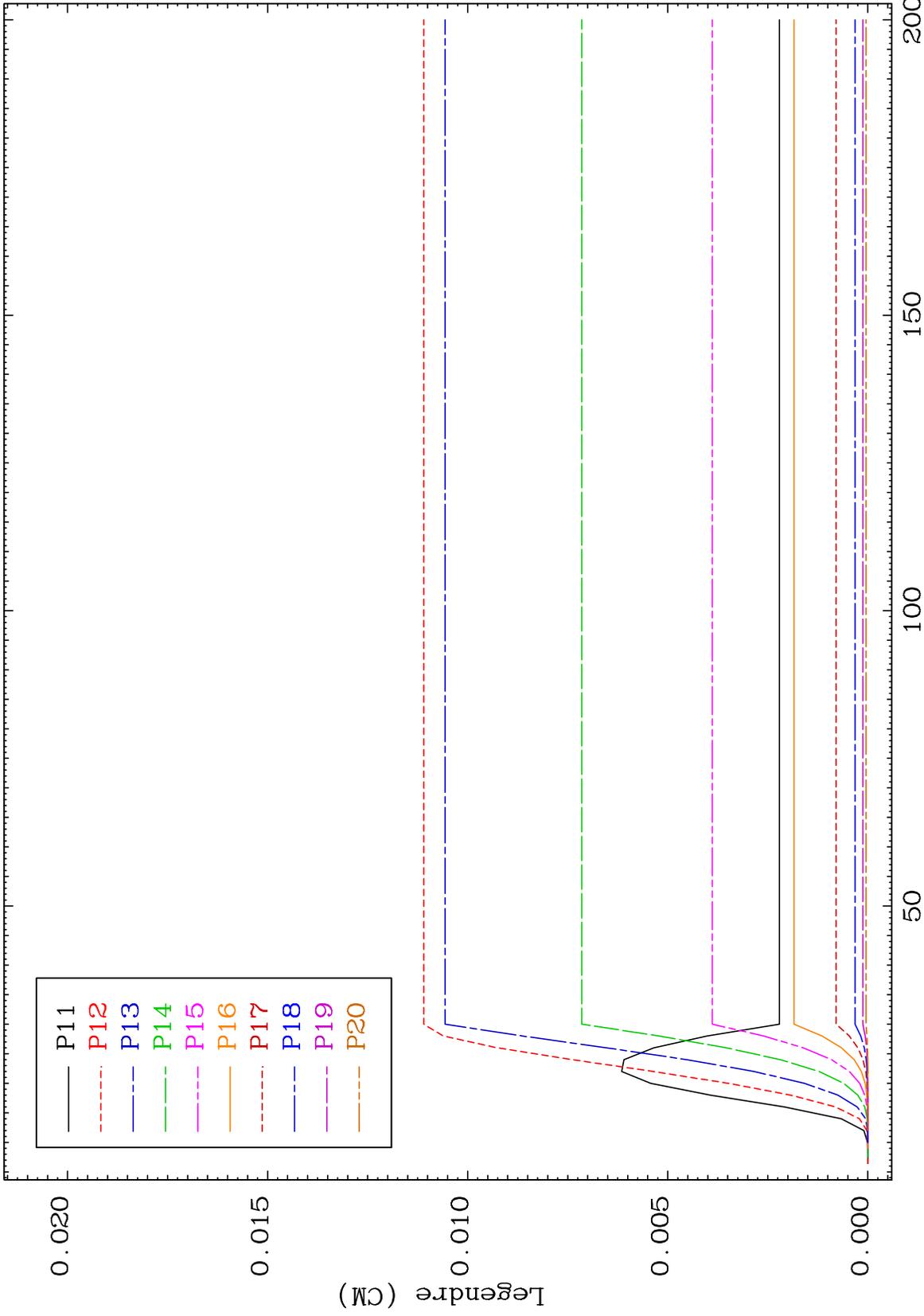
Incident Energy (MeV)

20-Ca-42

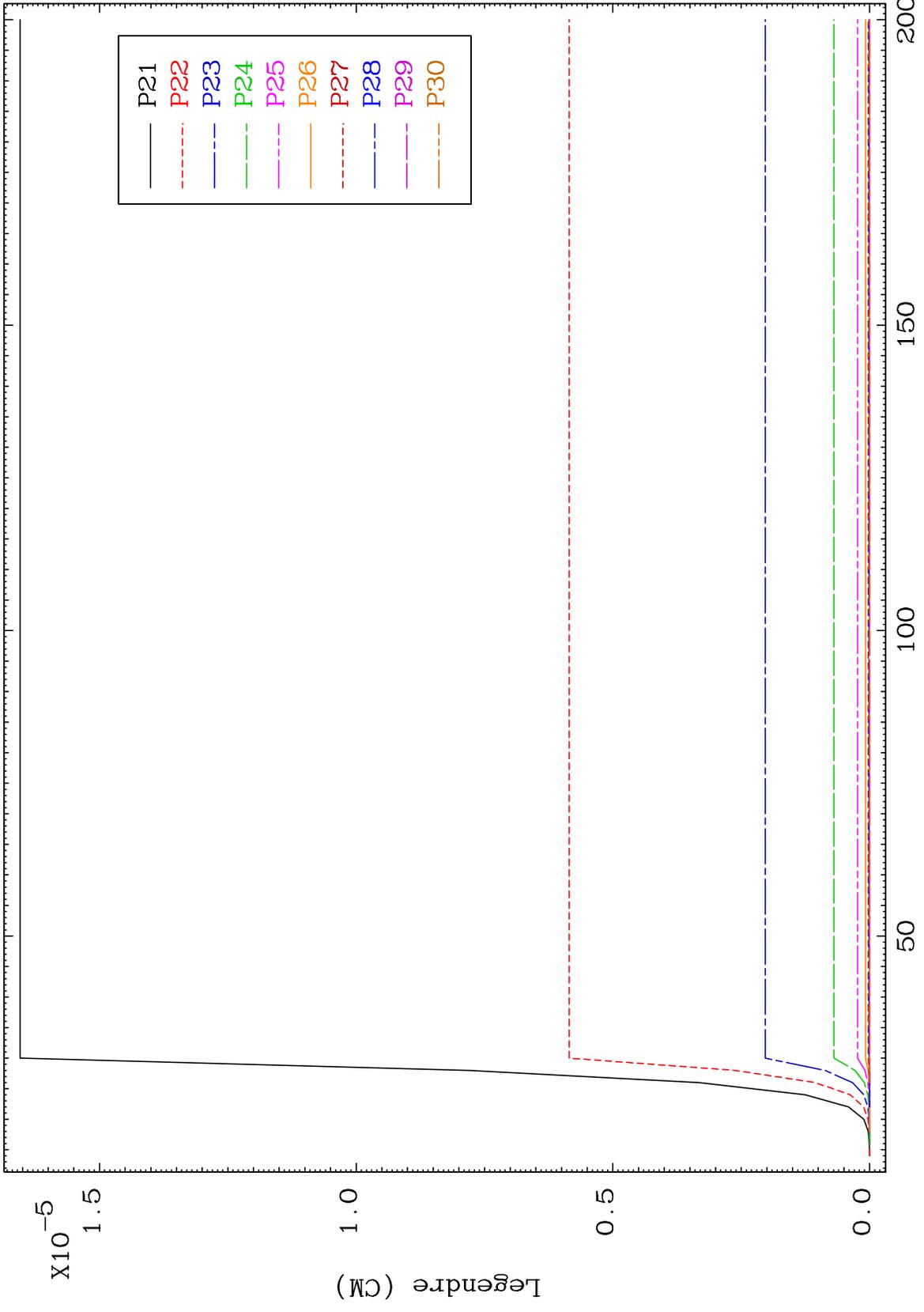
MAT 2031

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

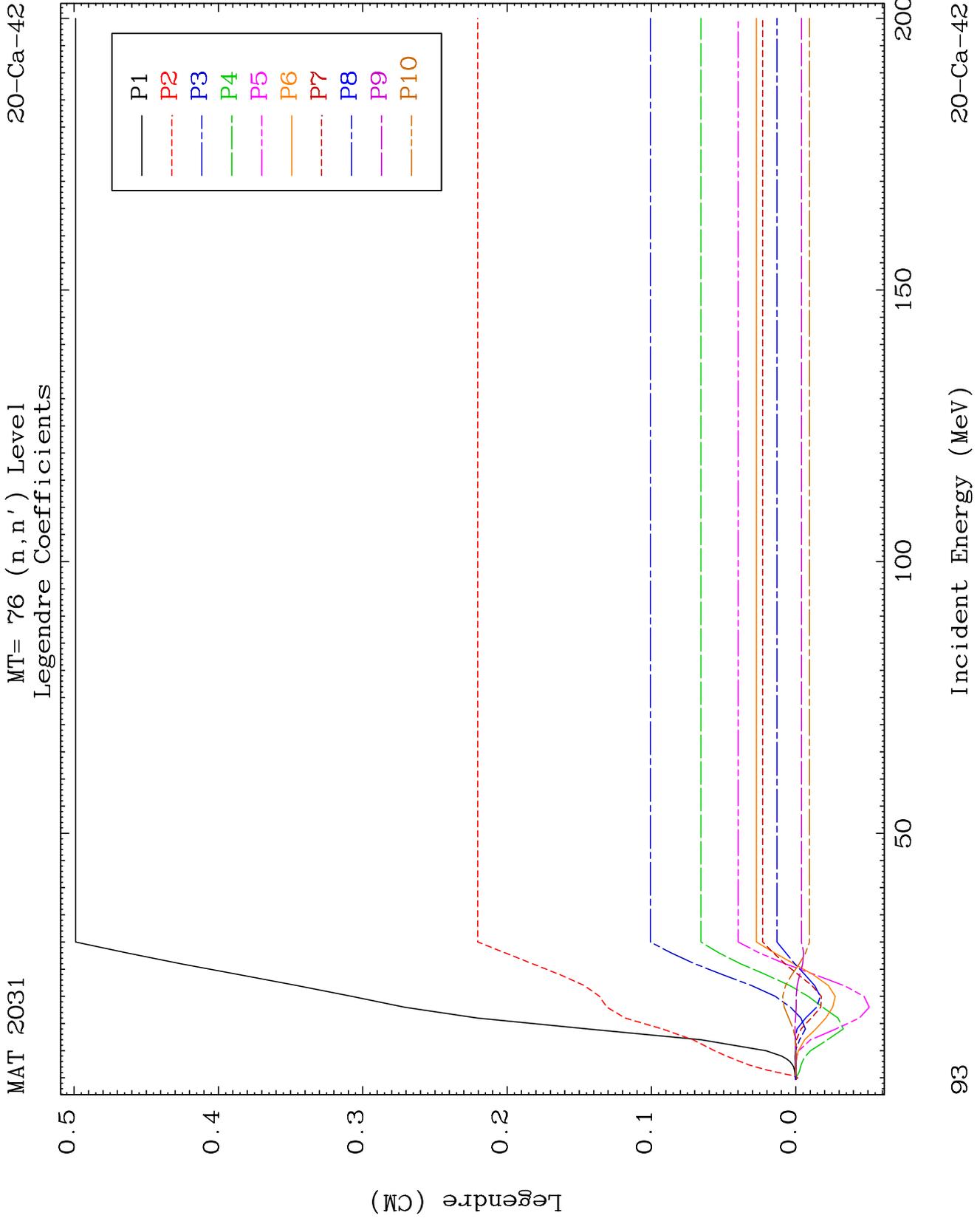
20-Ca-42



MAT 2031 MT= 75 (n,n') Level Legendre Coefficients 20-Ca-42



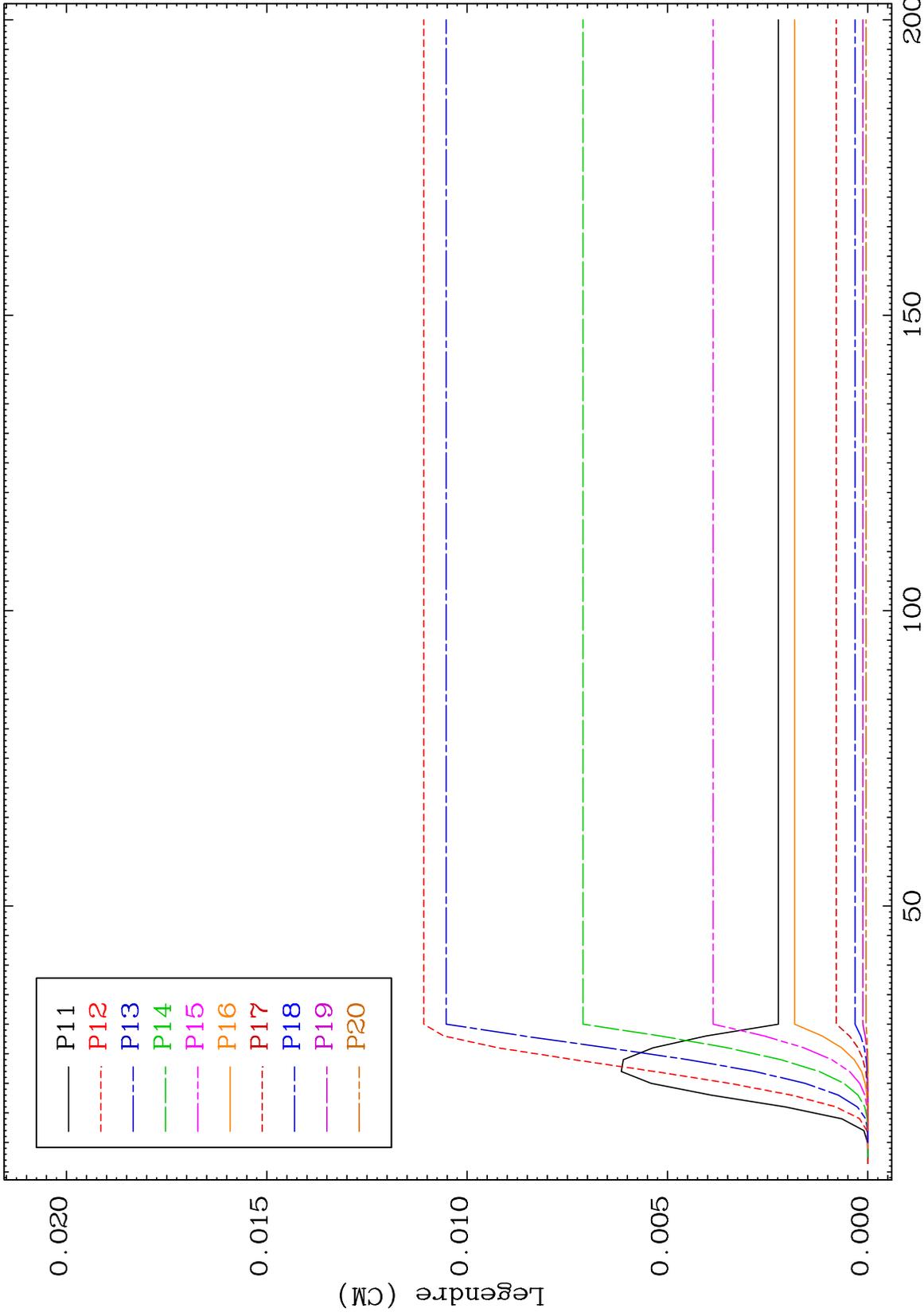
92 20-Ca-42



MAT 2031

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

20-Ca-42



94

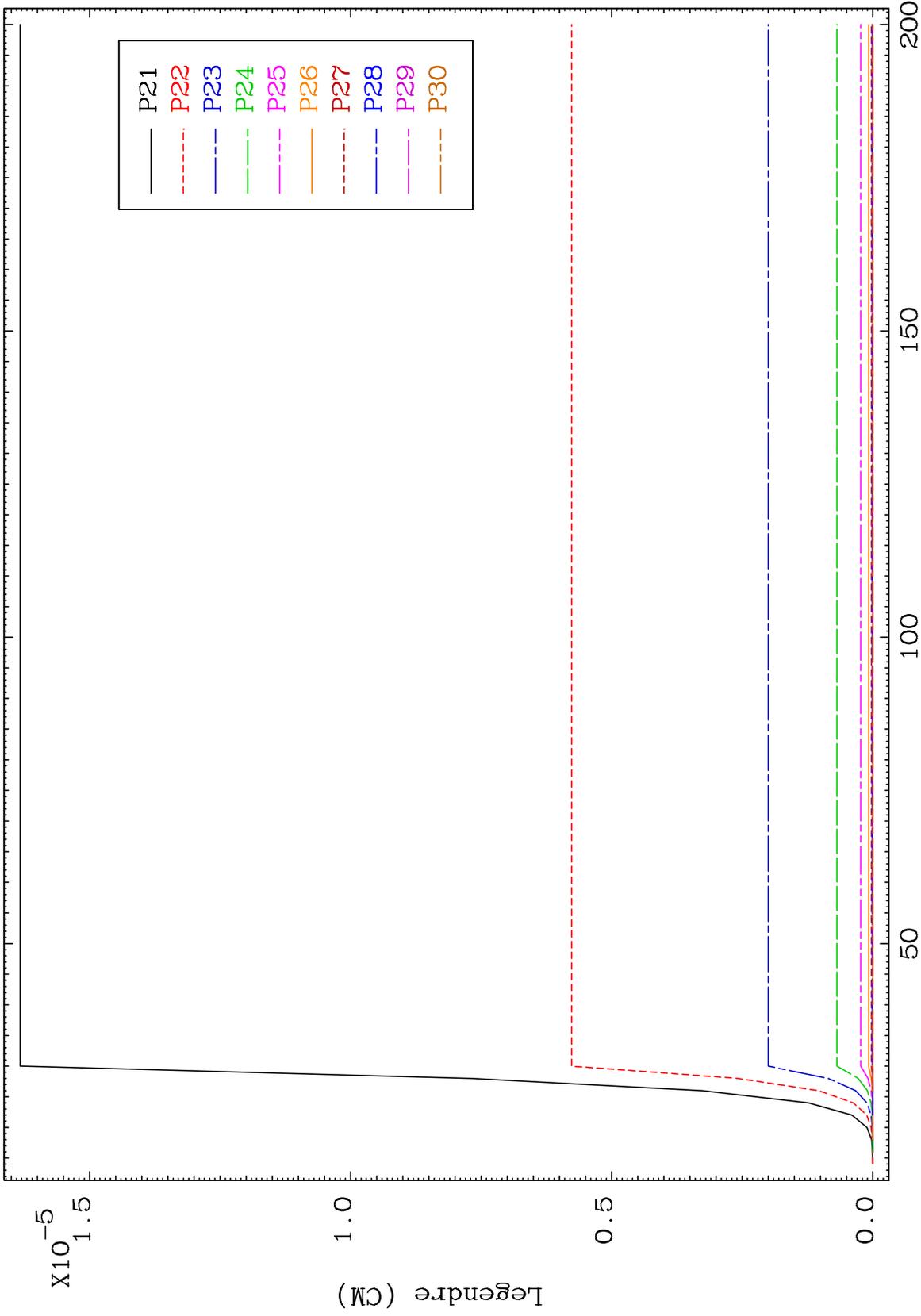
Incident Energy (MeV)

20-Ca-42

MAT 2031

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

20-Ca-42

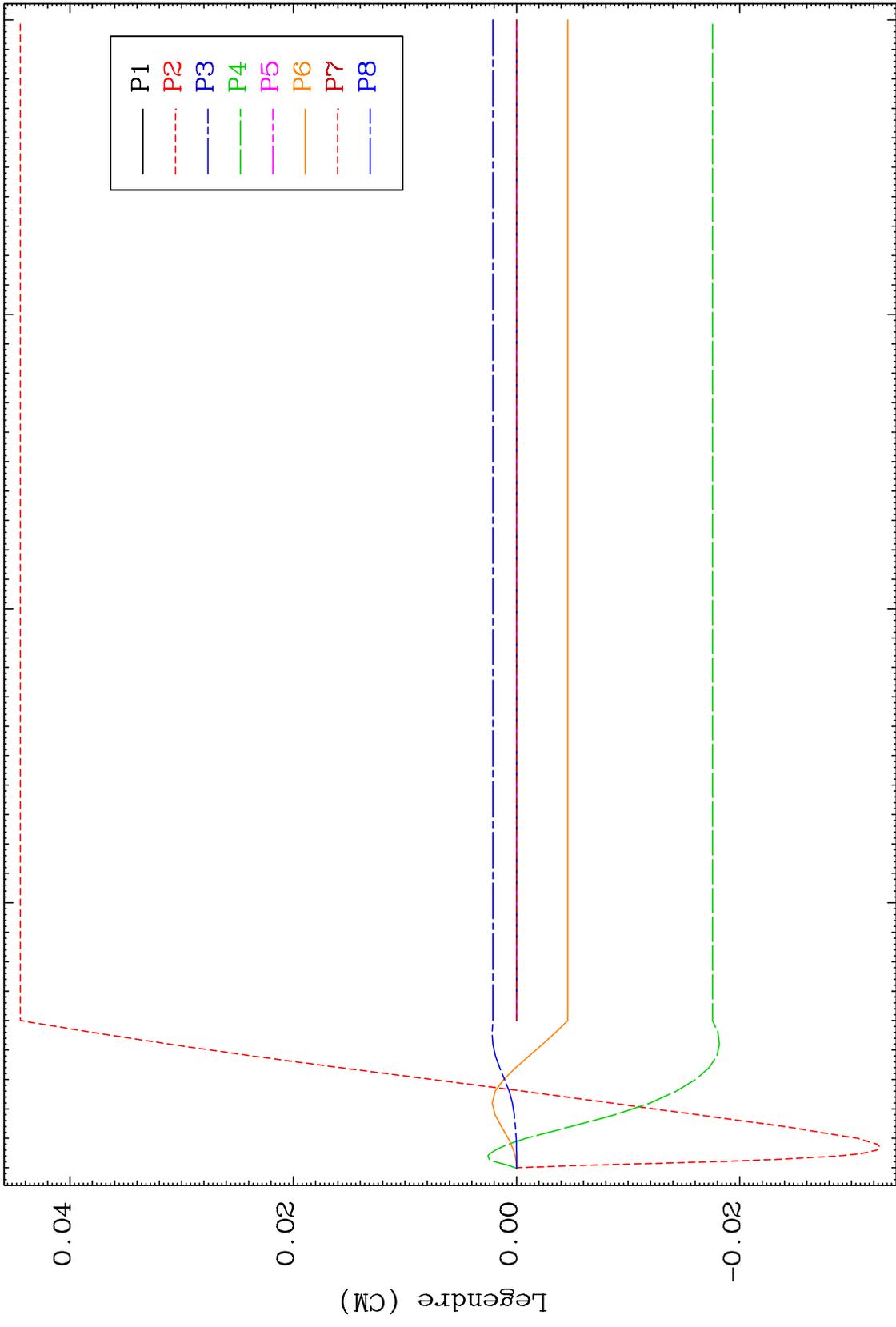


95

Incident Energy (MeV)

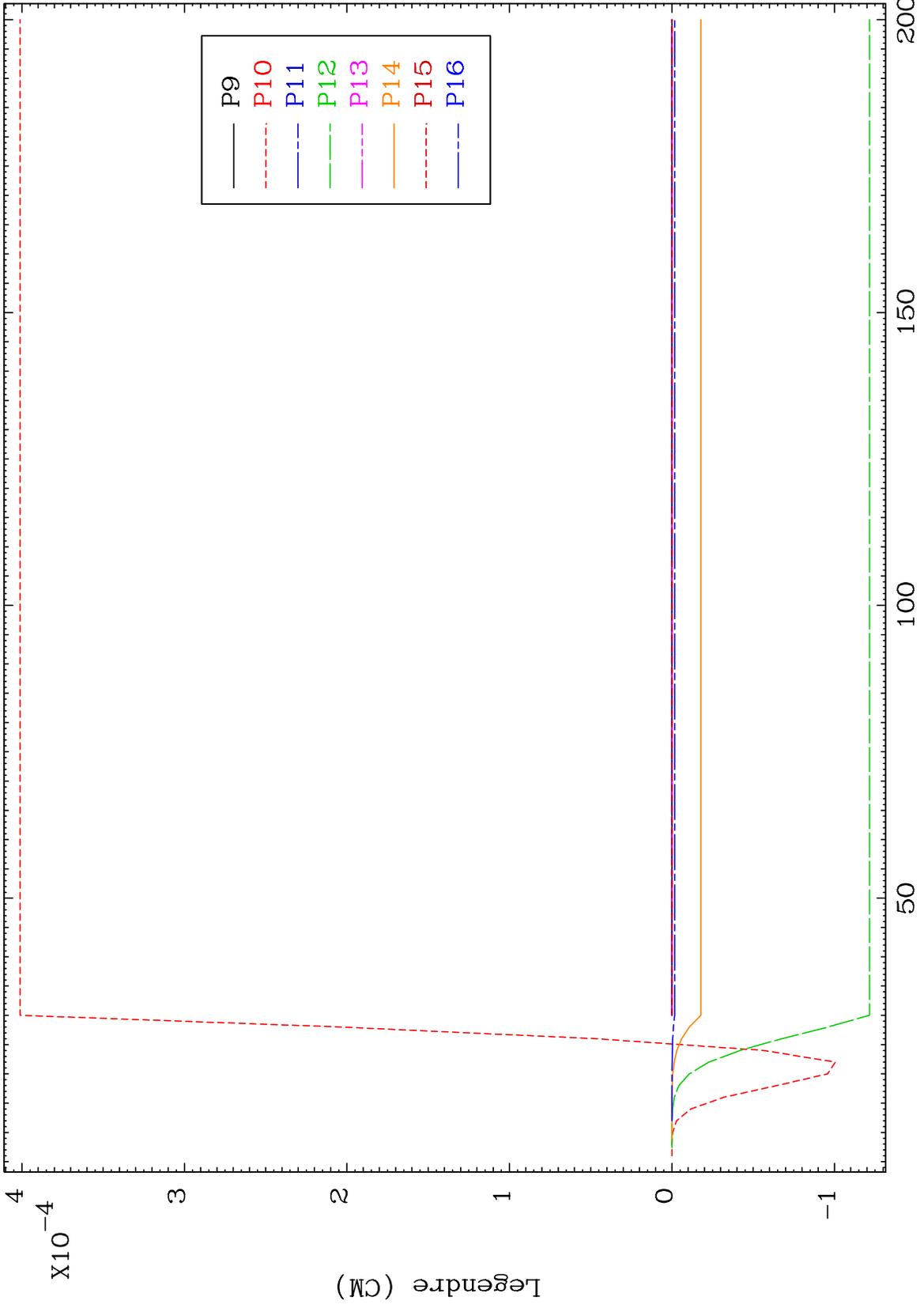
20-Ca-42

MAT 2031 MT= 77 (n,n') Level Legendre Coefficients 20-Ca-42

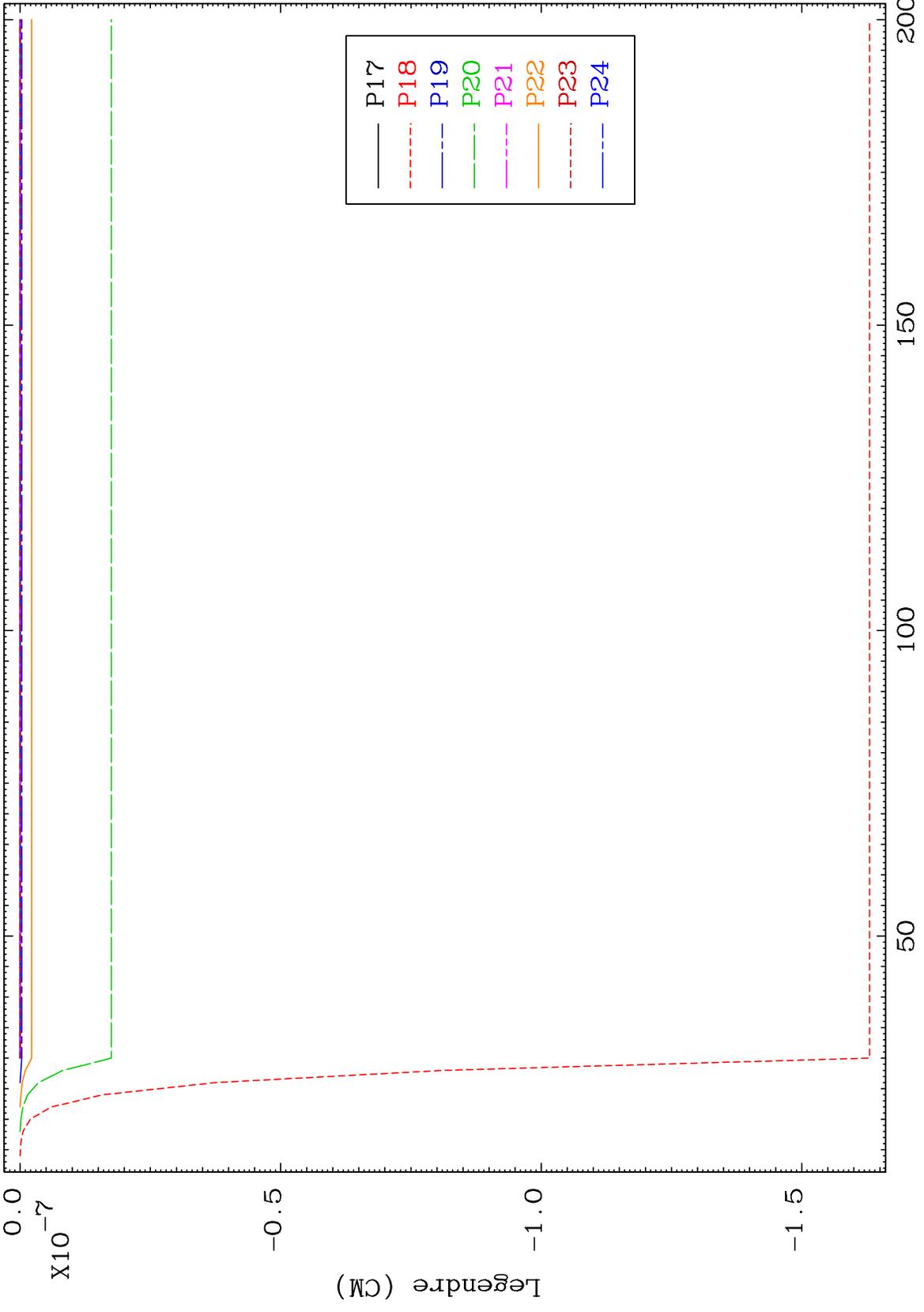


96 20-Ca-42

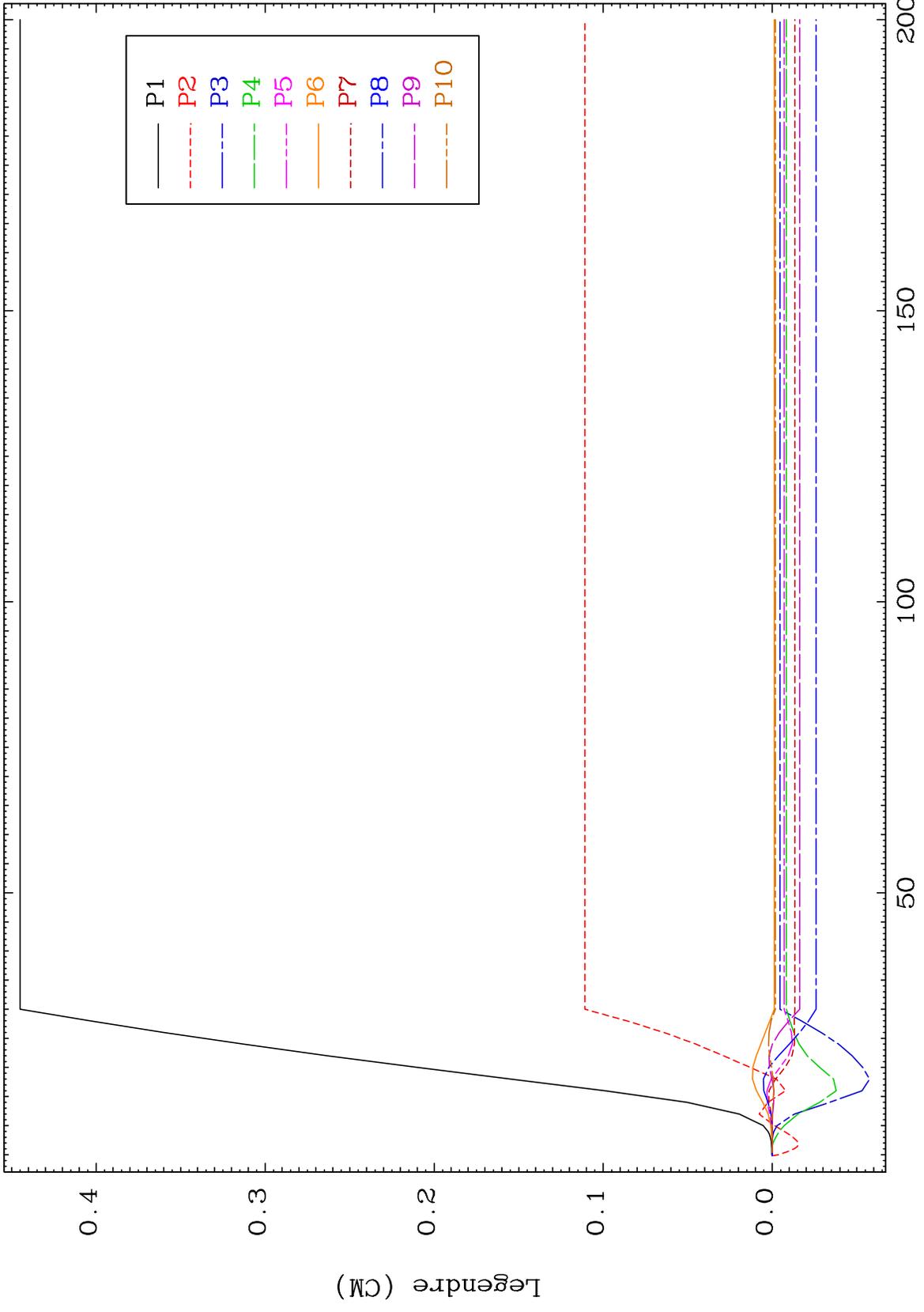
MAT 2031 MT= 77 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031 MT= 77 (n,n') Level Legendre Coefficients 20-Ca-42



MAT 2031 MT= 78 (n,n') Level Legendre Coefficients 20-Ca-42

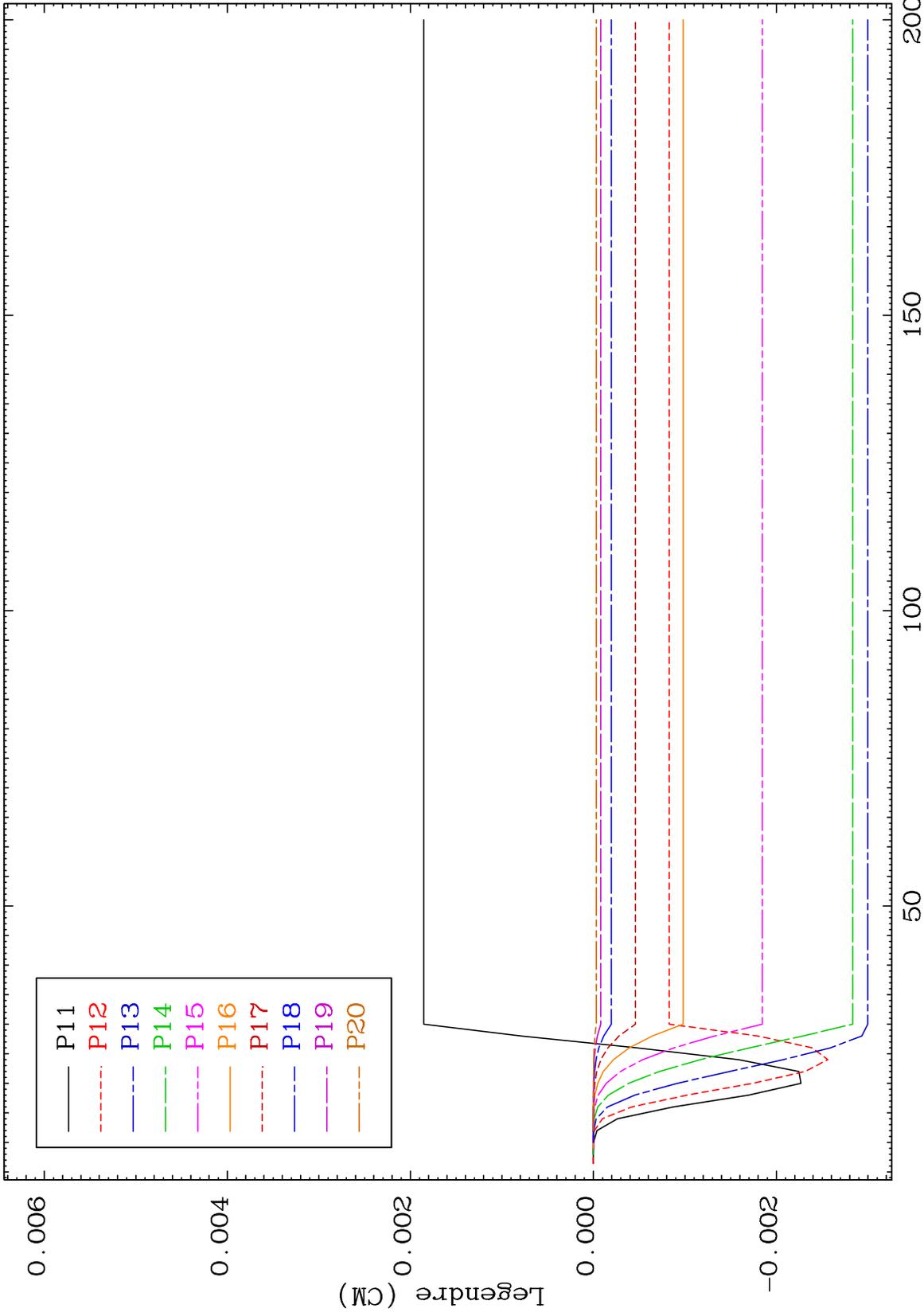


99 Incident Energy (MeV) 20-Ca-42

MAT 2031

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

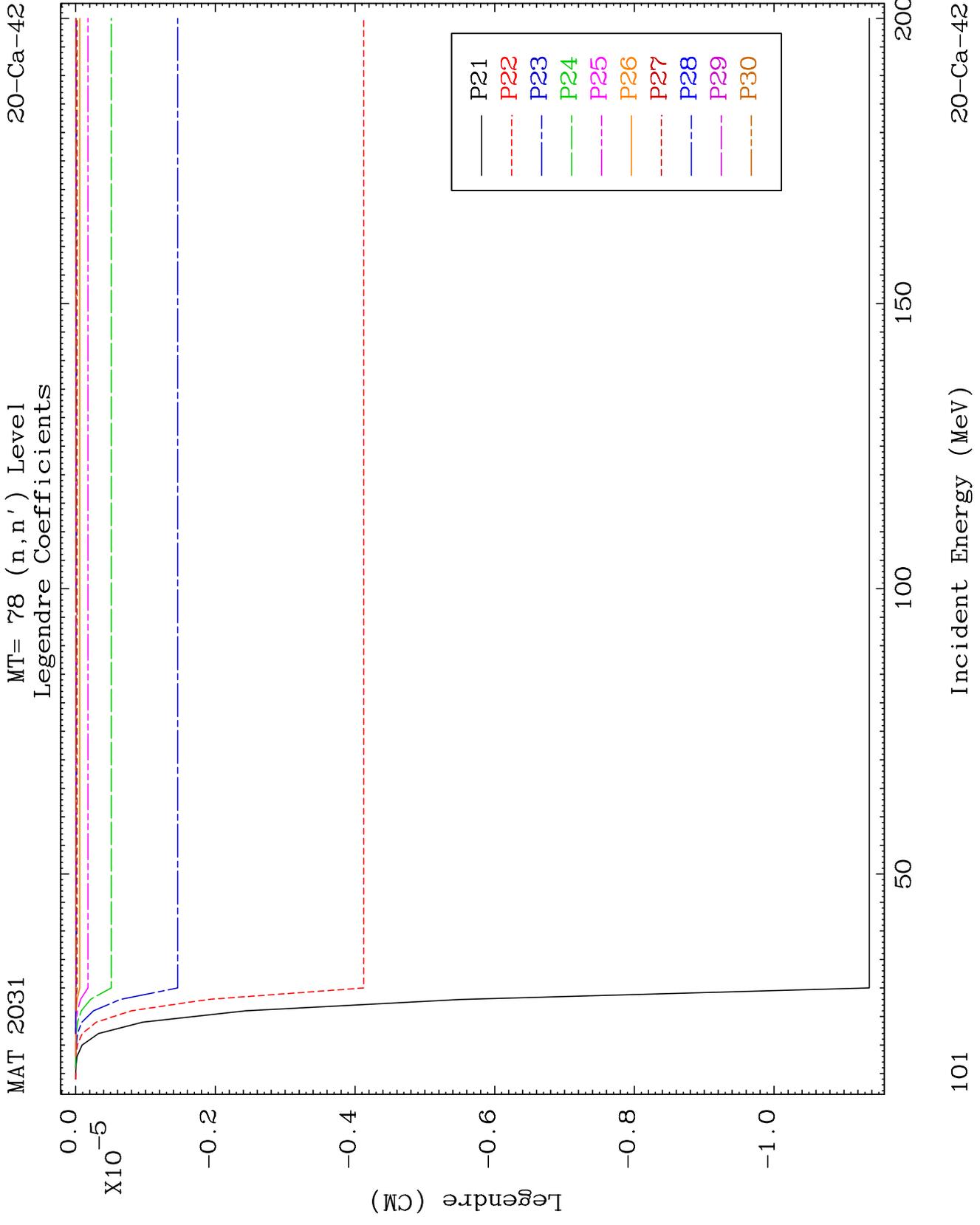
20-Ca-42

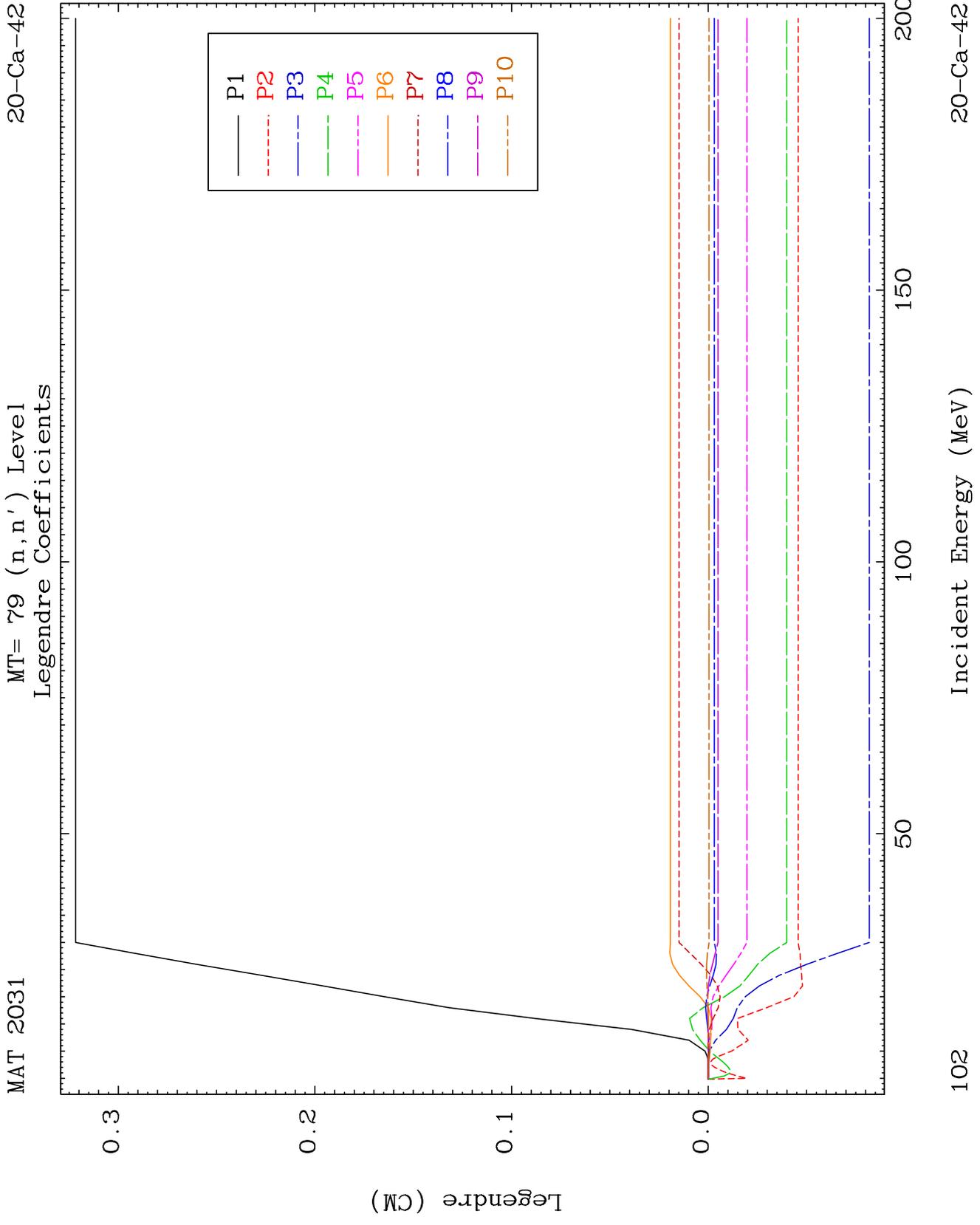


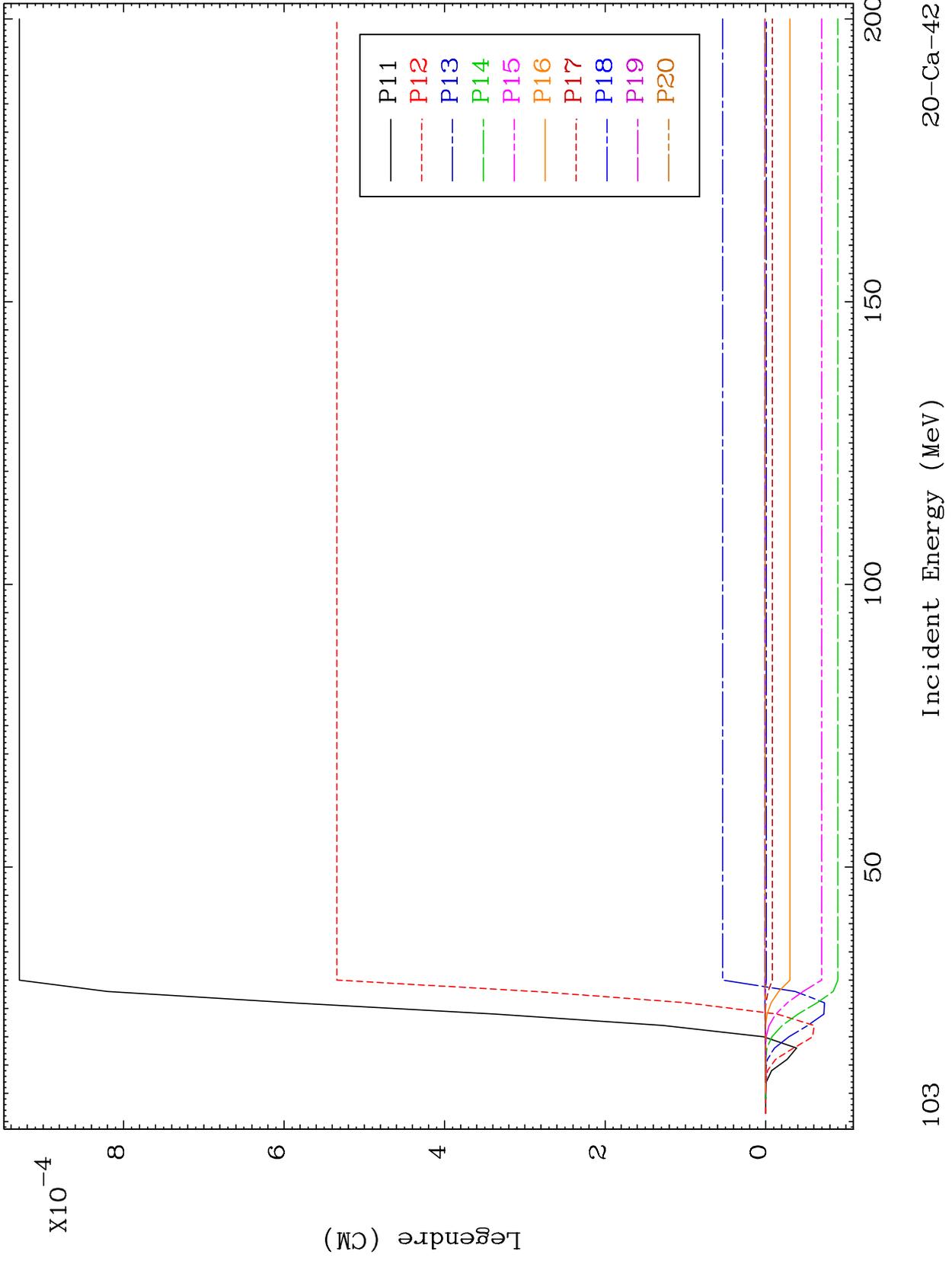
100

Incident Energy (MeV)

20-Ca-42



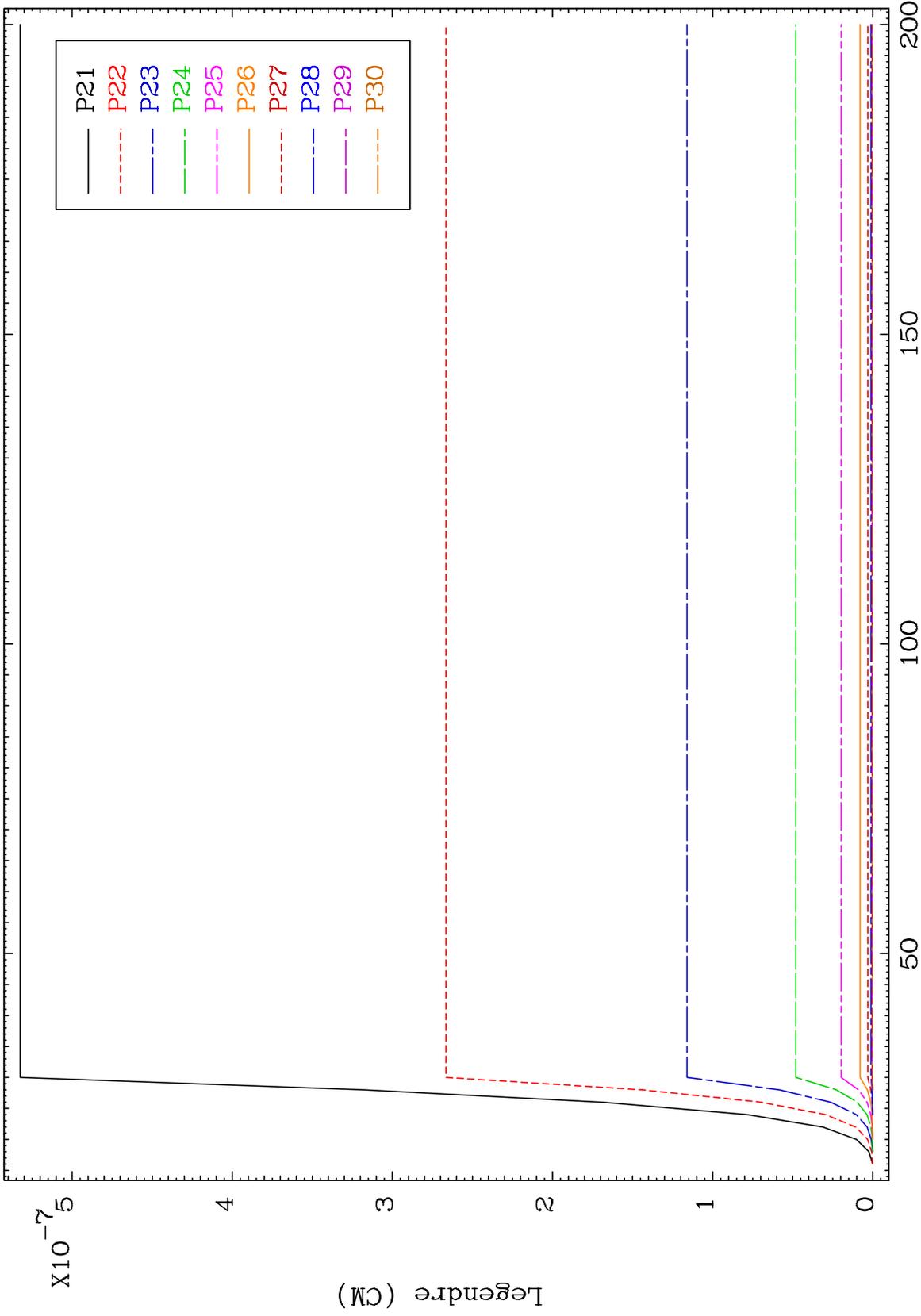




MAT 2031

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

20-Ca-42

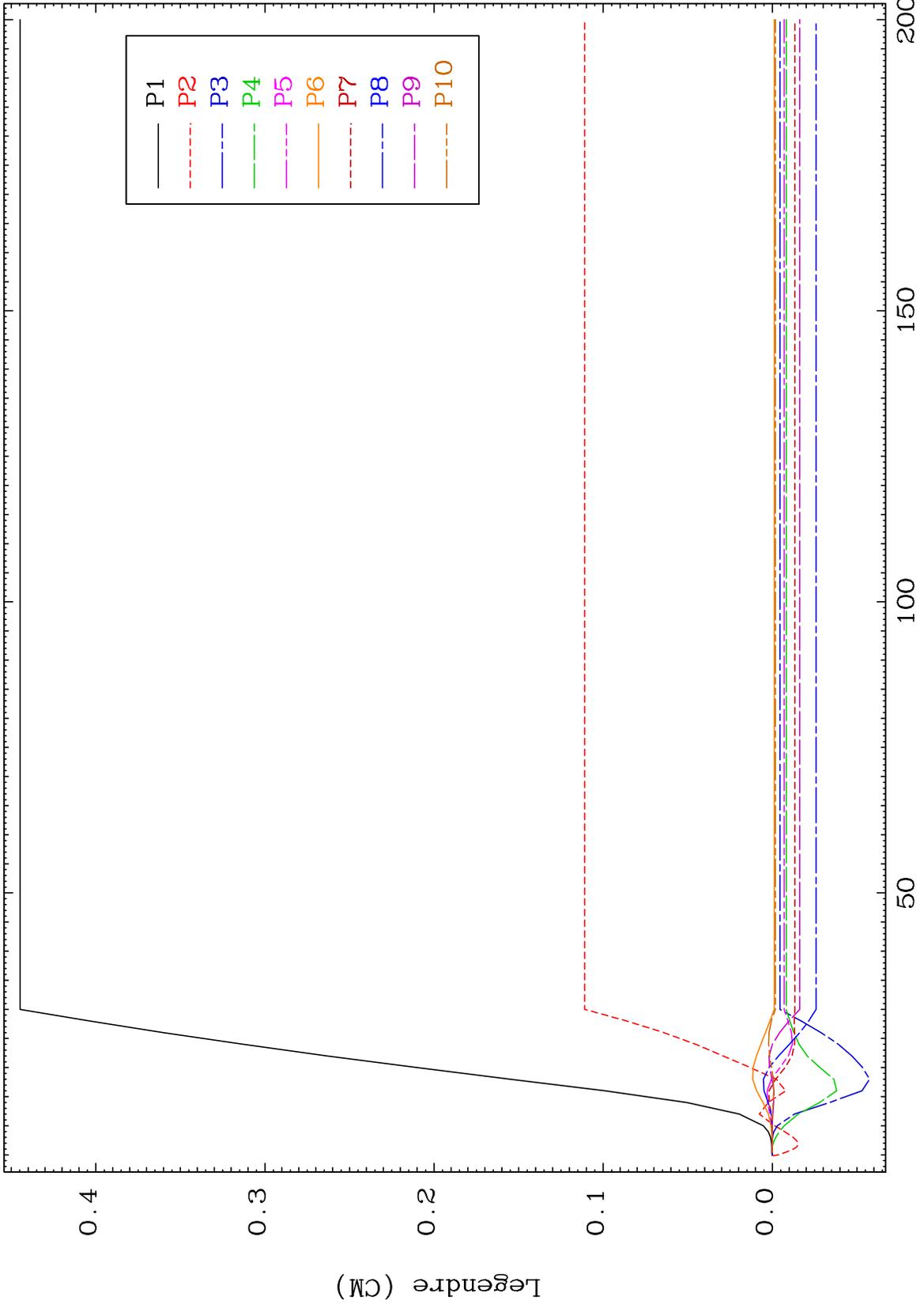


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Incident Energy (MeV)

20-Ca-42

MAT 2031 MT= 80 (n,n') Level Legendre Coefficients 20-Ca-42

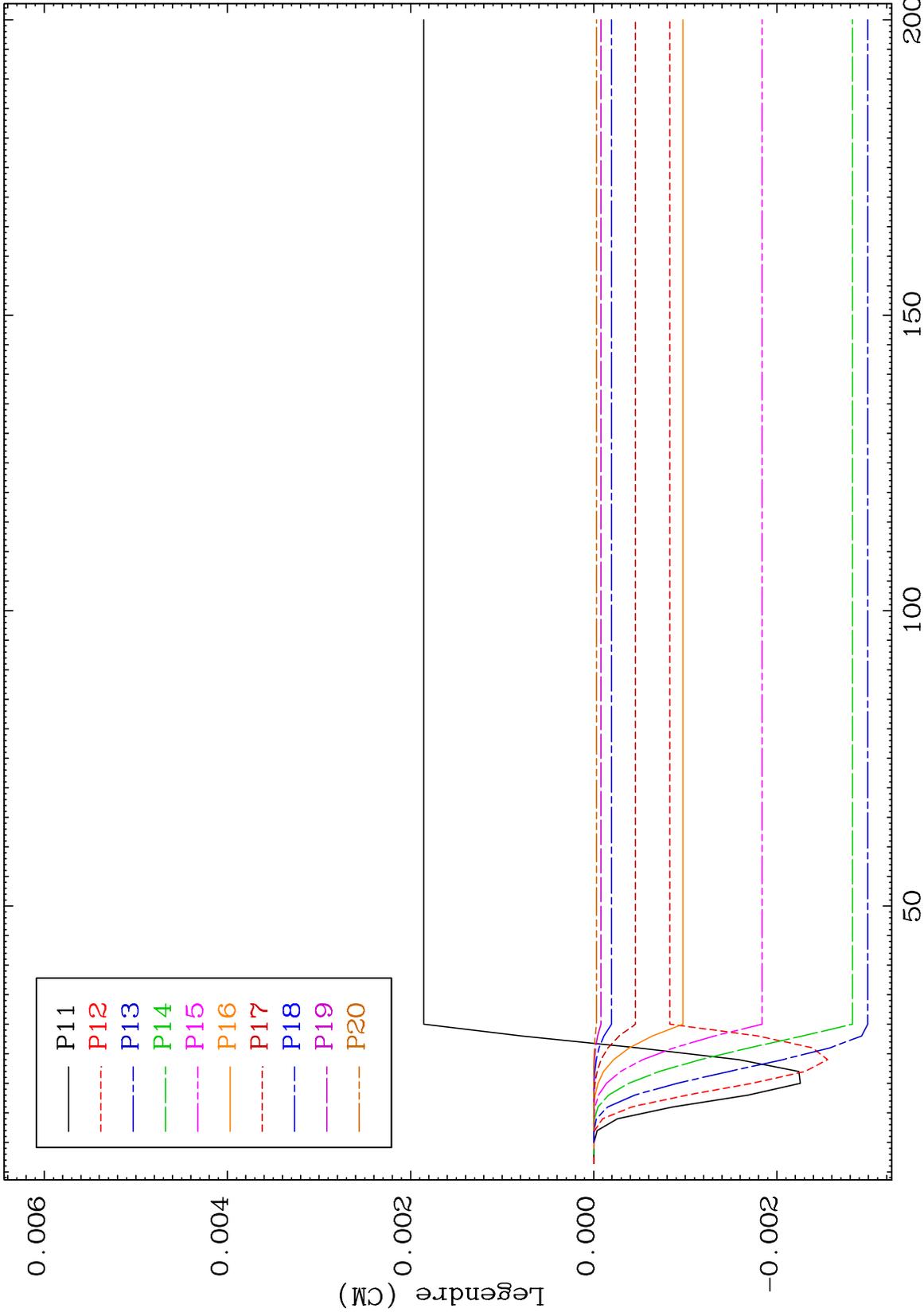


Legendre (CM) Incident Energy (MeV) 20-Ca-42

MAT 2031

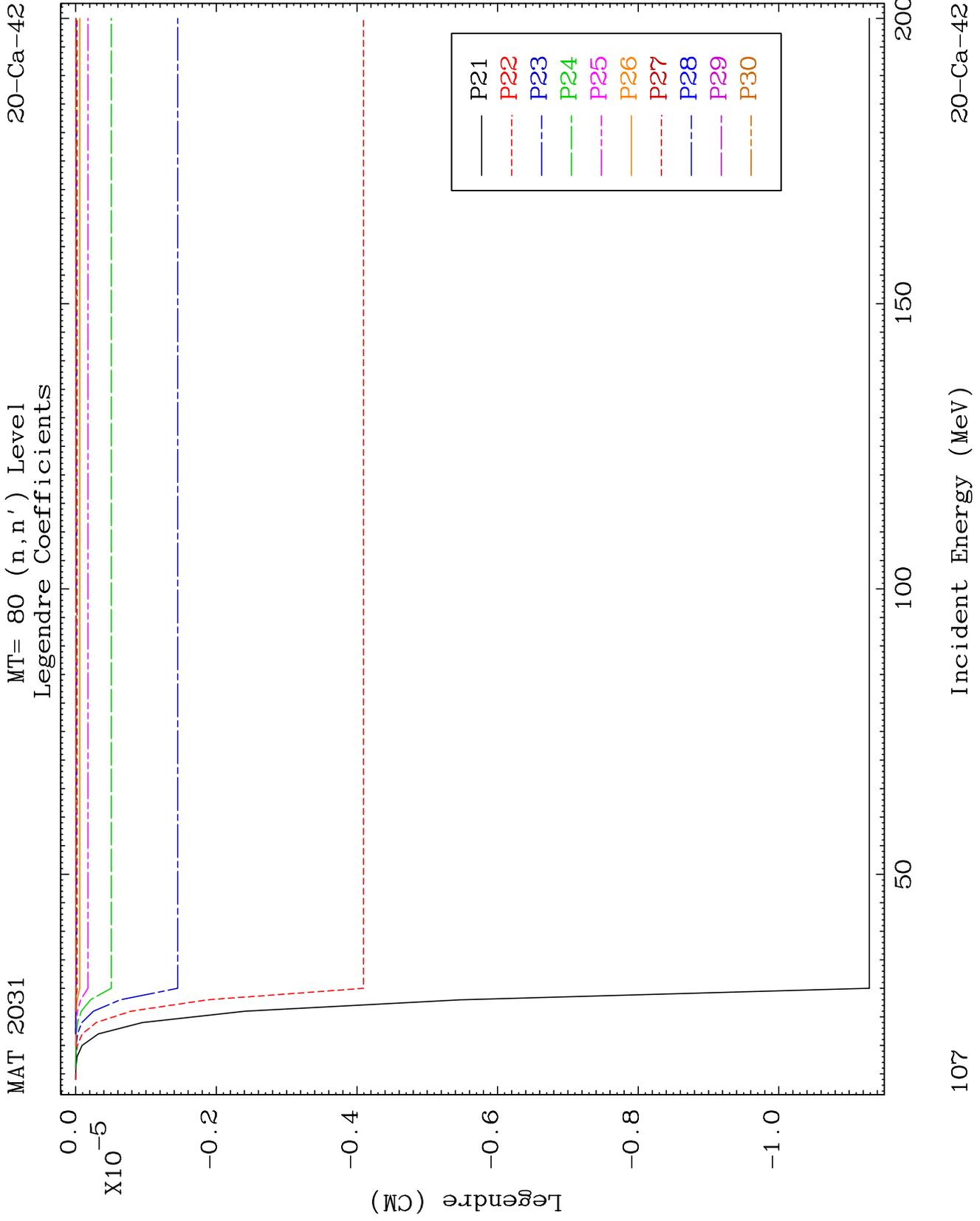
MT= 80 (n,n') Level
Legendre Coefficients

20-Ca-42



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20-Ca-42

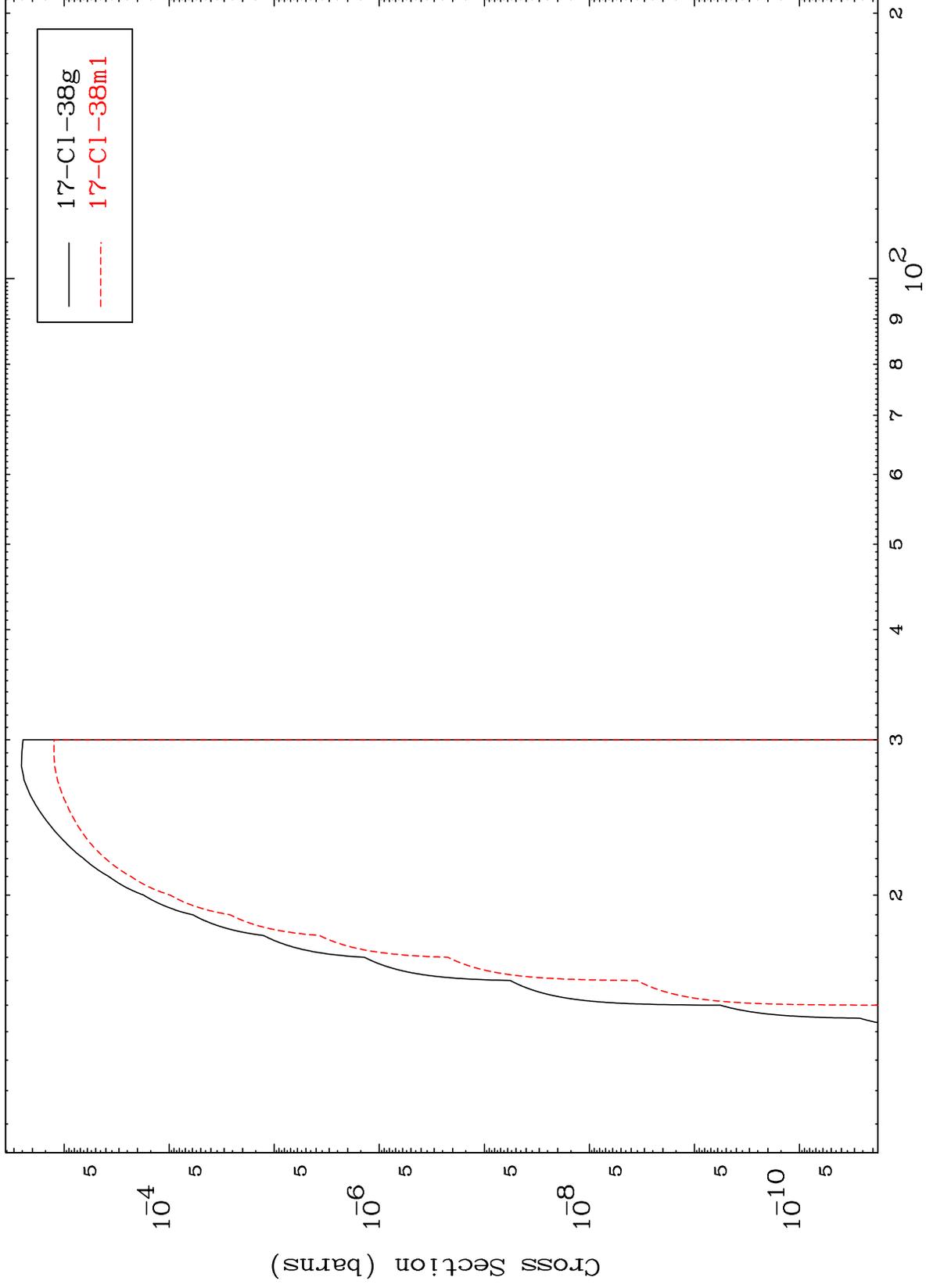


MAT 2031

(n,p) α

20-Ca-42

Radionuclide Production Cross Section



108

Incident Energy (MeV)

20-Ca-42