

Program EVALPLOT  
(Version 2021-1)

by

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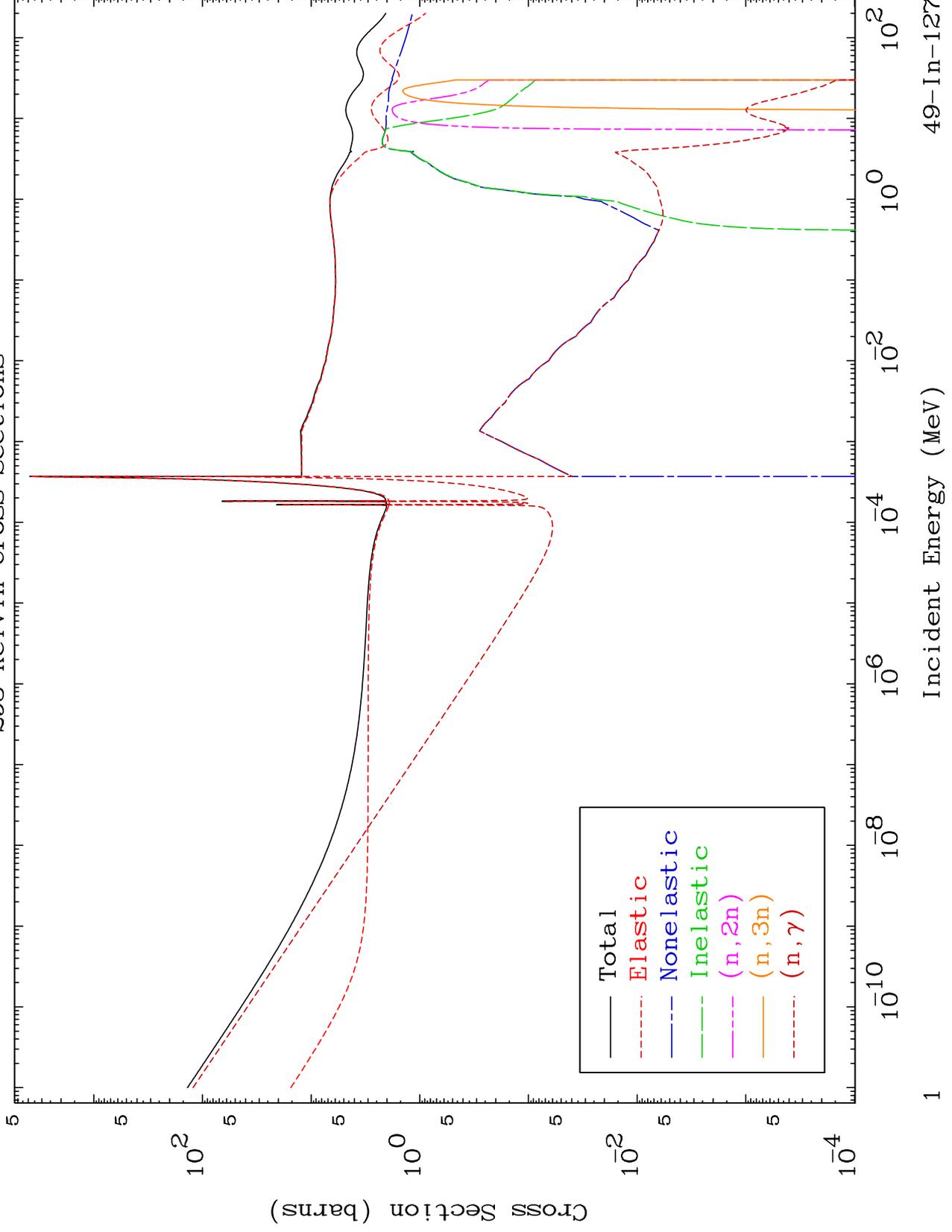
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Press Mouse Button to Start

MAT 4967

Neutron Major  
293 Kelvin Cross Sections

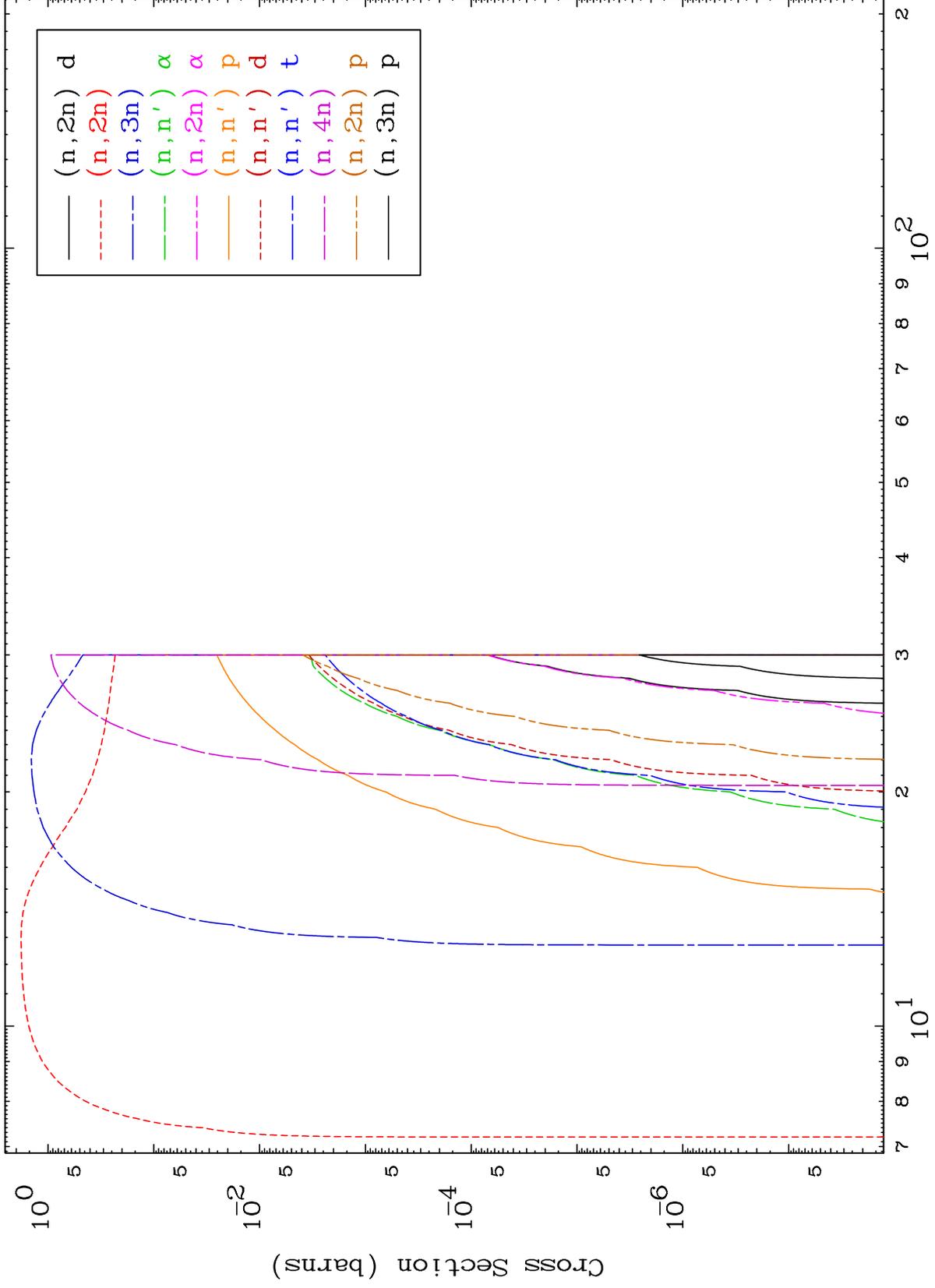
49-In-127



MAT 4967

Neutron Absorption  
293 Kelvin Cross Sections

49-In-127



2

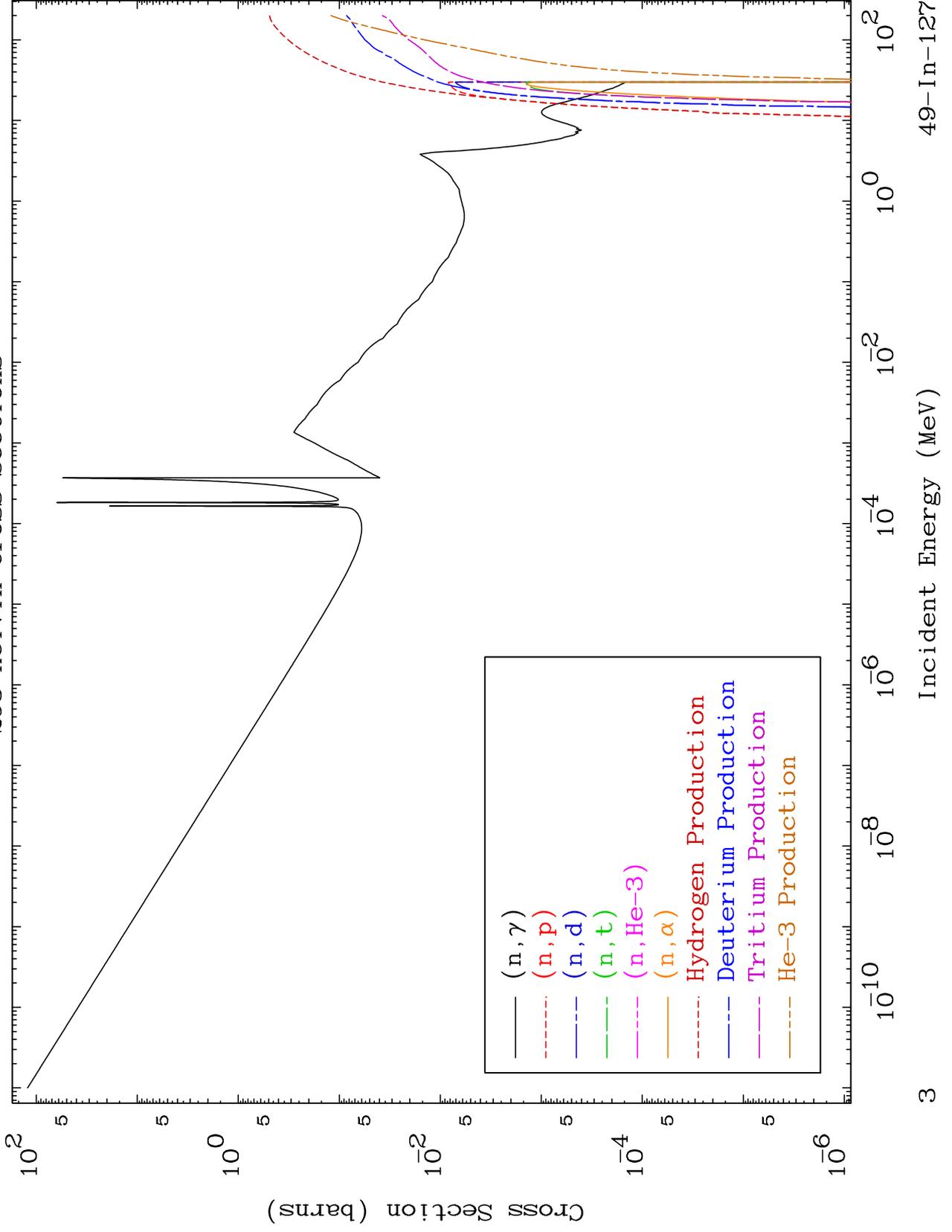
Incident Energy (MeV)

49-In-127

MAT 4967

Neutron Absorption  
293 Kelvin Cross Sections

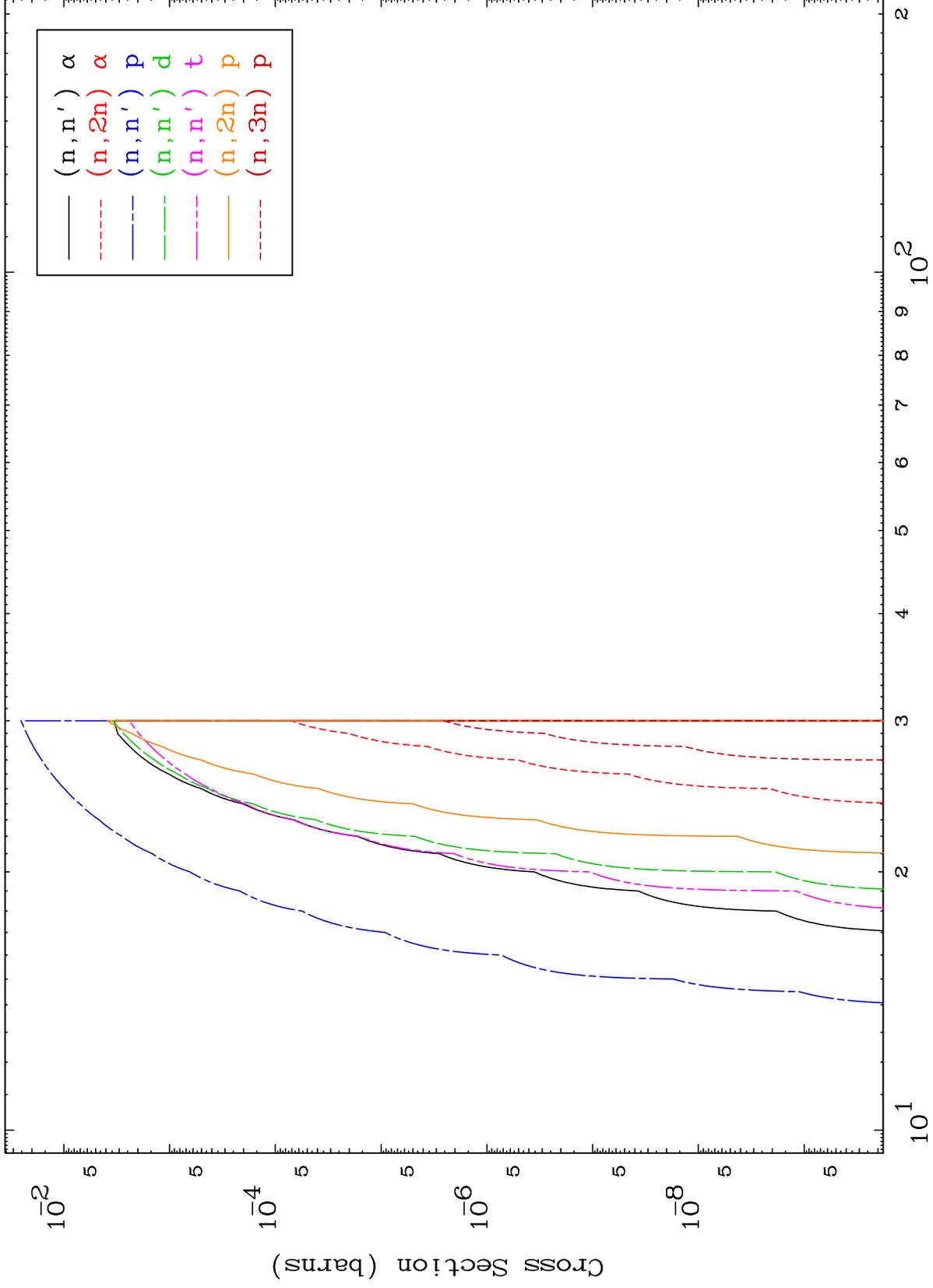
49-In-127



MAT 4967

Charged Particle  
293 Kelvin Cross Sections

49-In-127



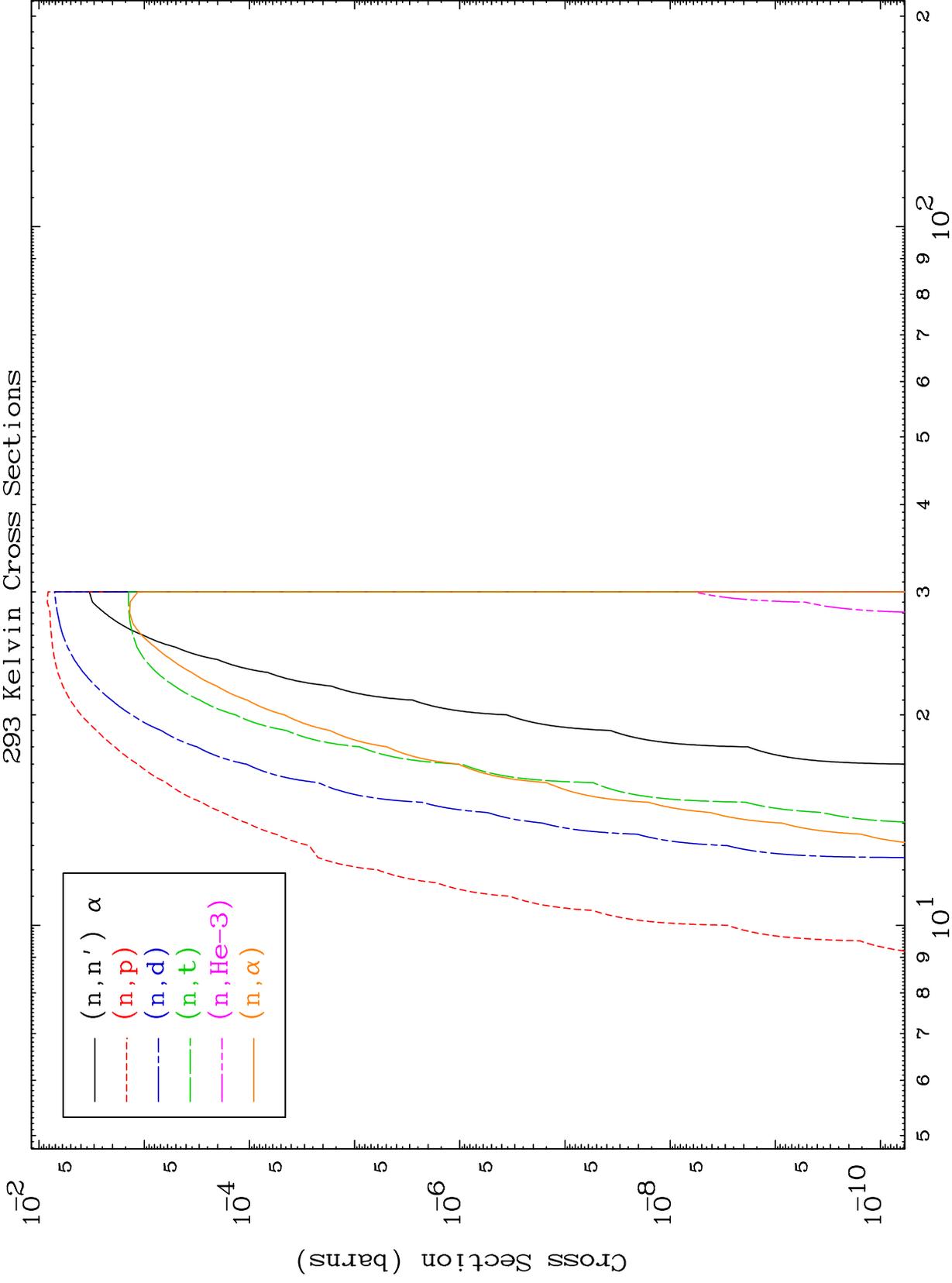
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49-In-127

MAT 4967

Charged Particle  
293 Kelvin Cross Sections

49-In-127



5

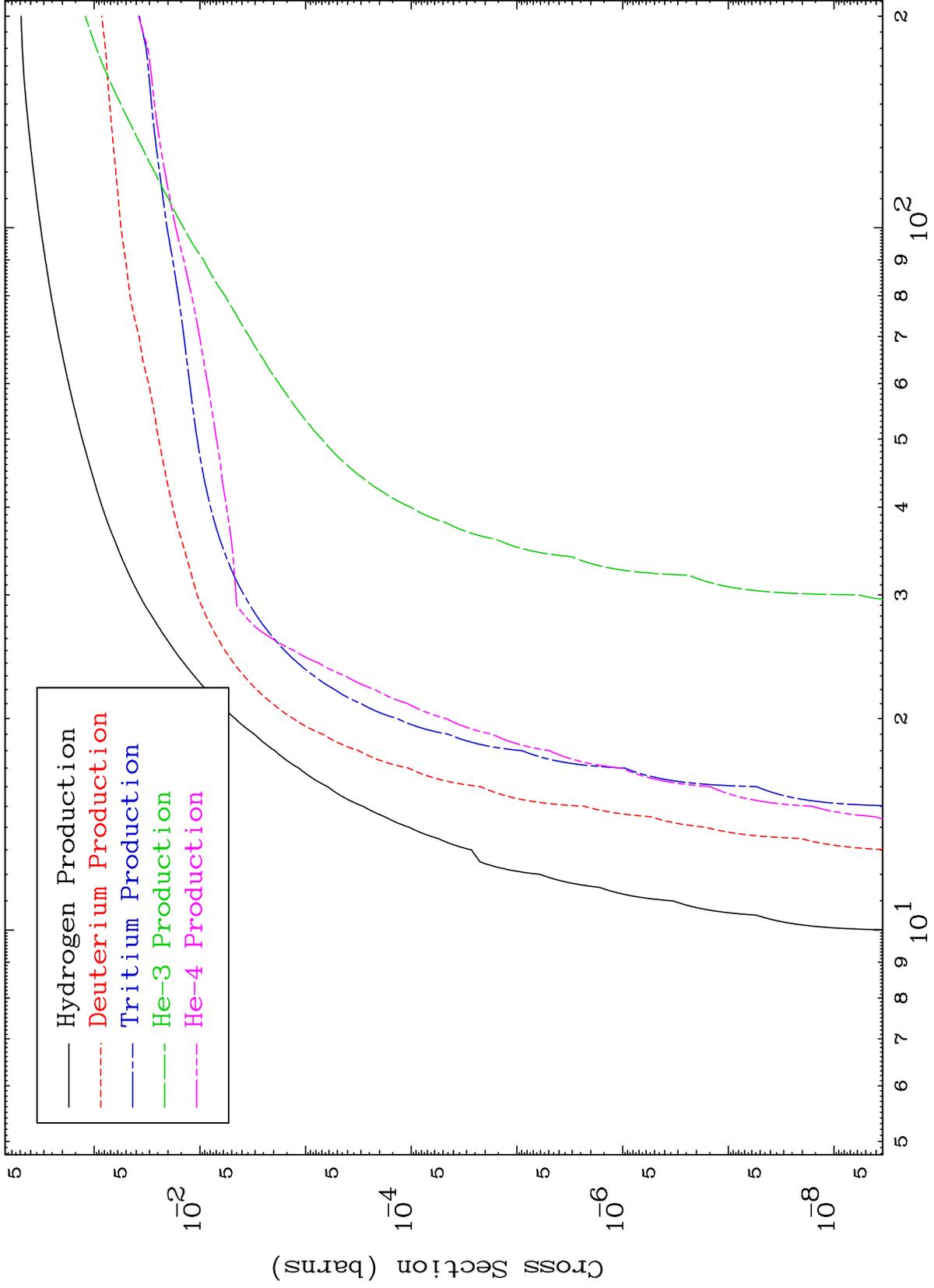
Incident Energy (MeV)

49-In-127

MAT 4967

Particle Production  
293 Kelvin Cross Sections

49-In-127

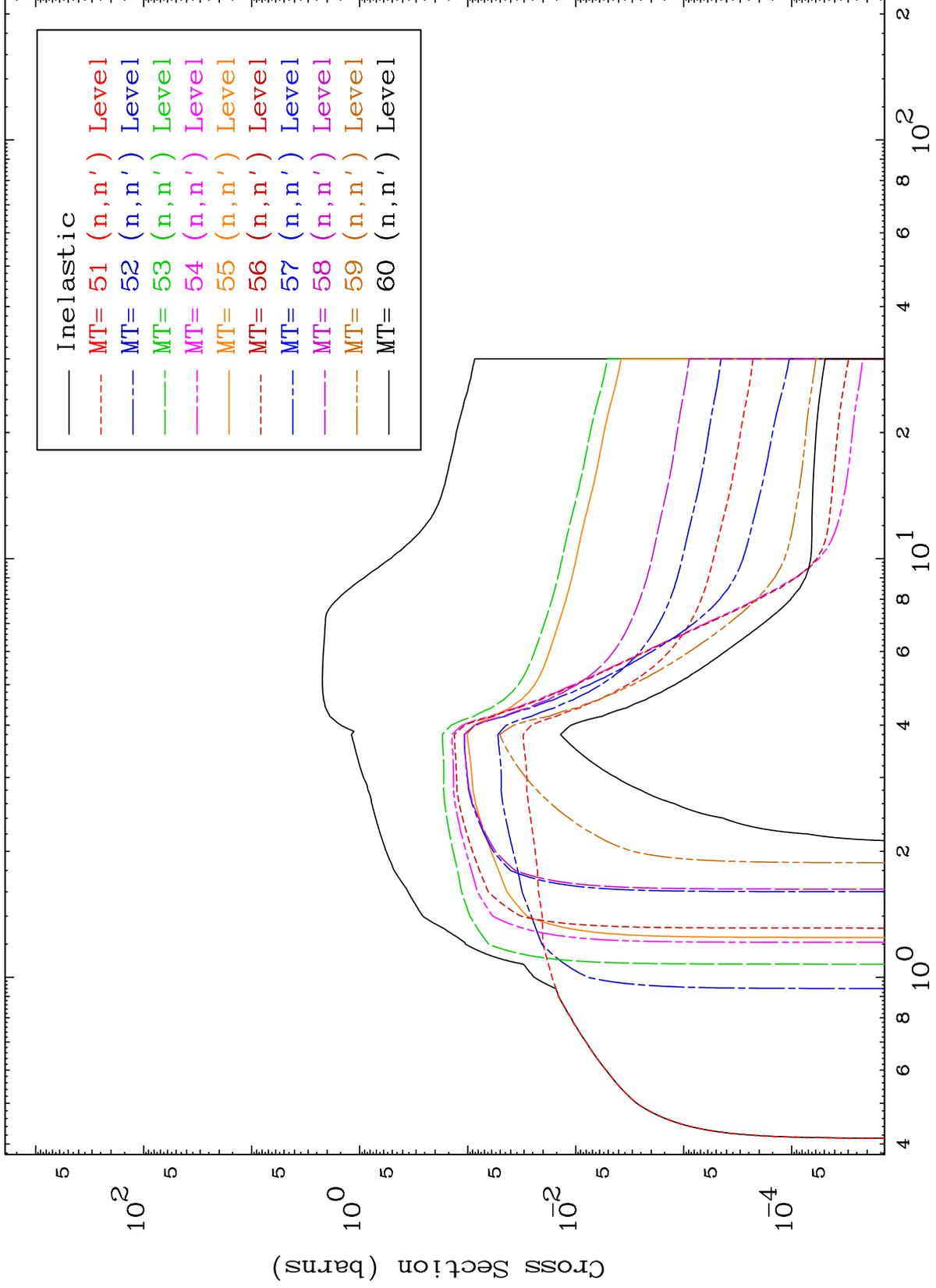


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Incident Energy (MeV)

49-In-127

293 Kelvin Cross Sections

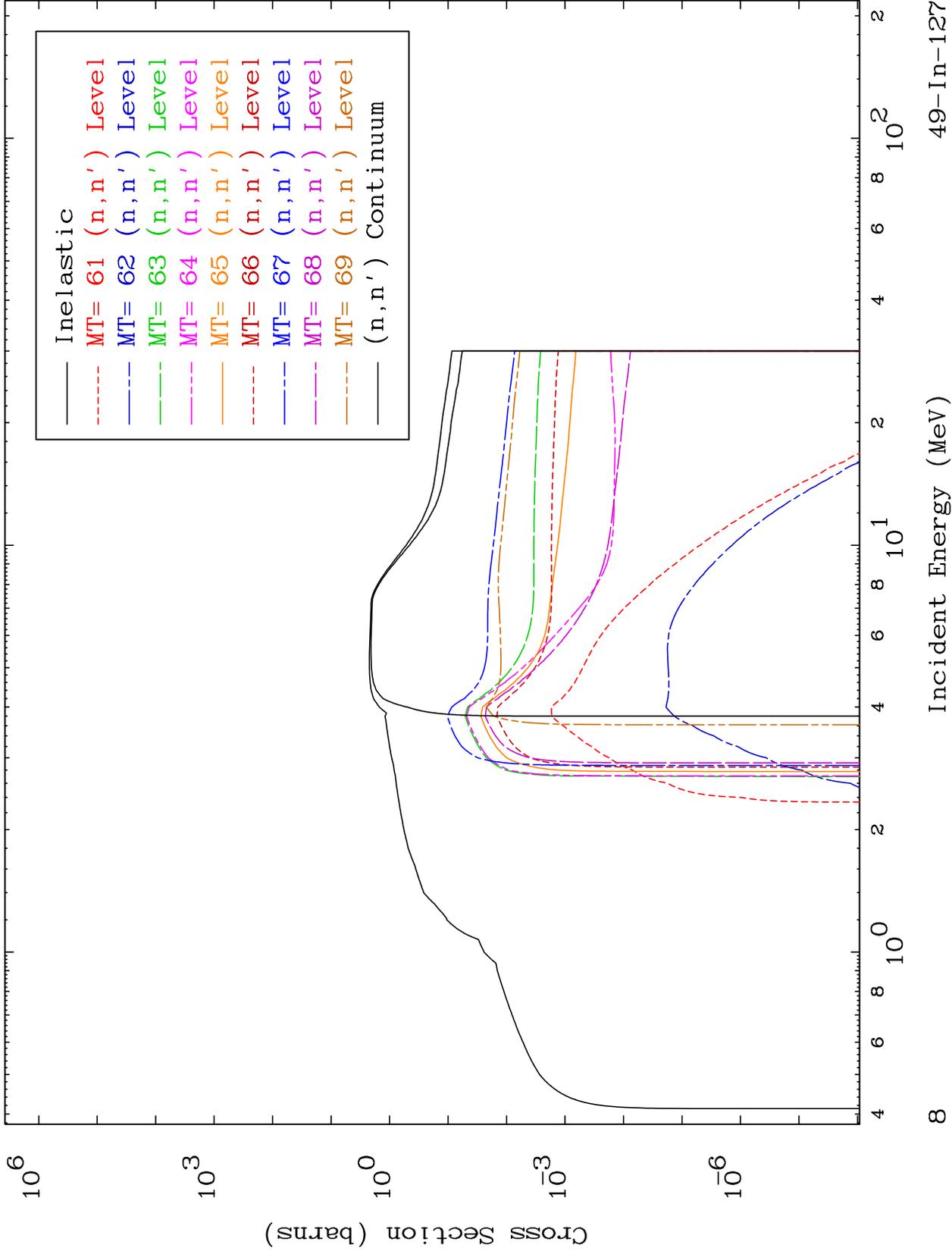


MAT 4967

(n,n') Levels

49-In-127

293 Kelvin Cross Sections



8

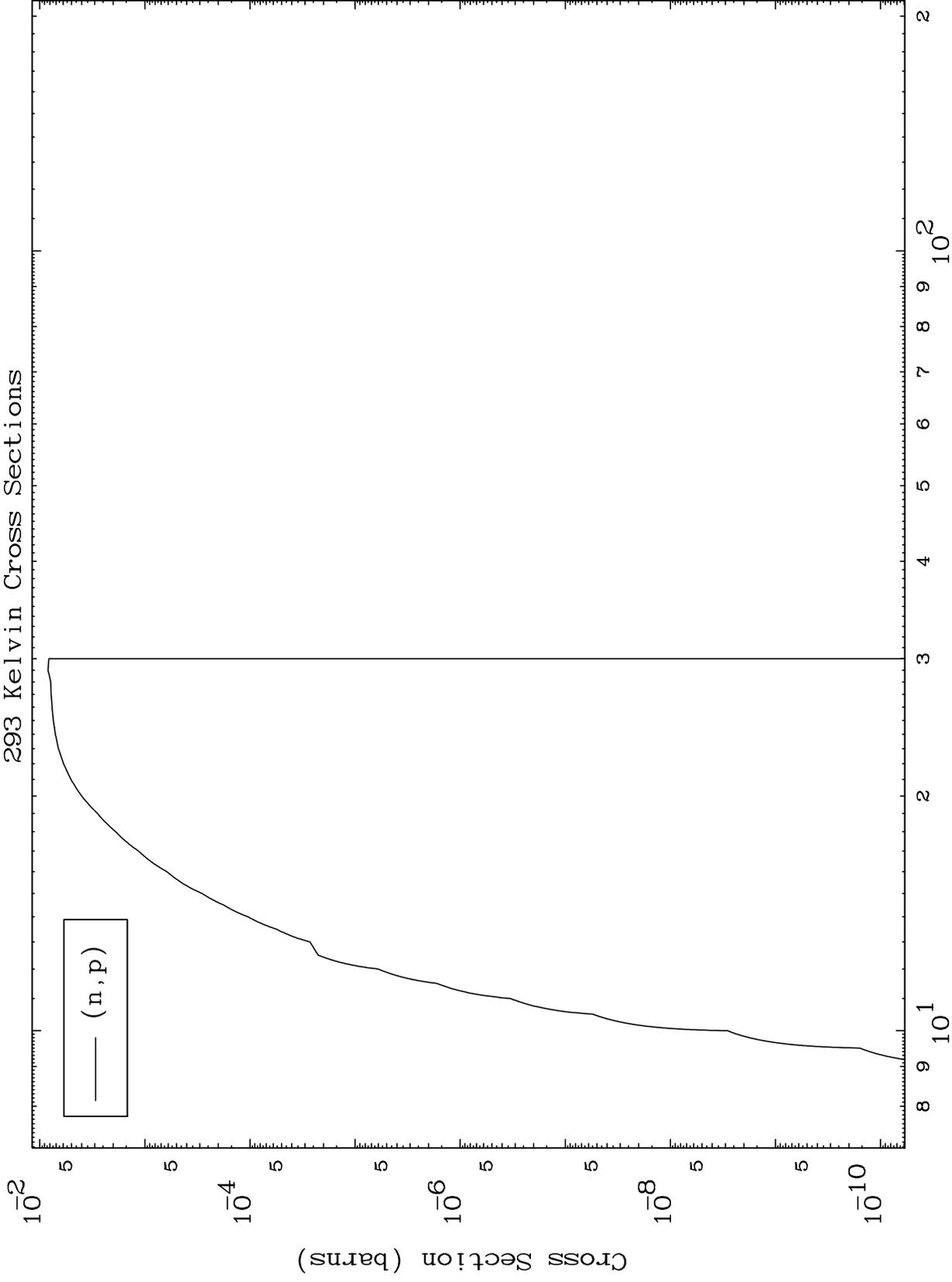
Incident Energy (MeV)

49-In-127

MAT 4967

(n,p) Levels  
293 Kelvin Cross Sections

49-In-127

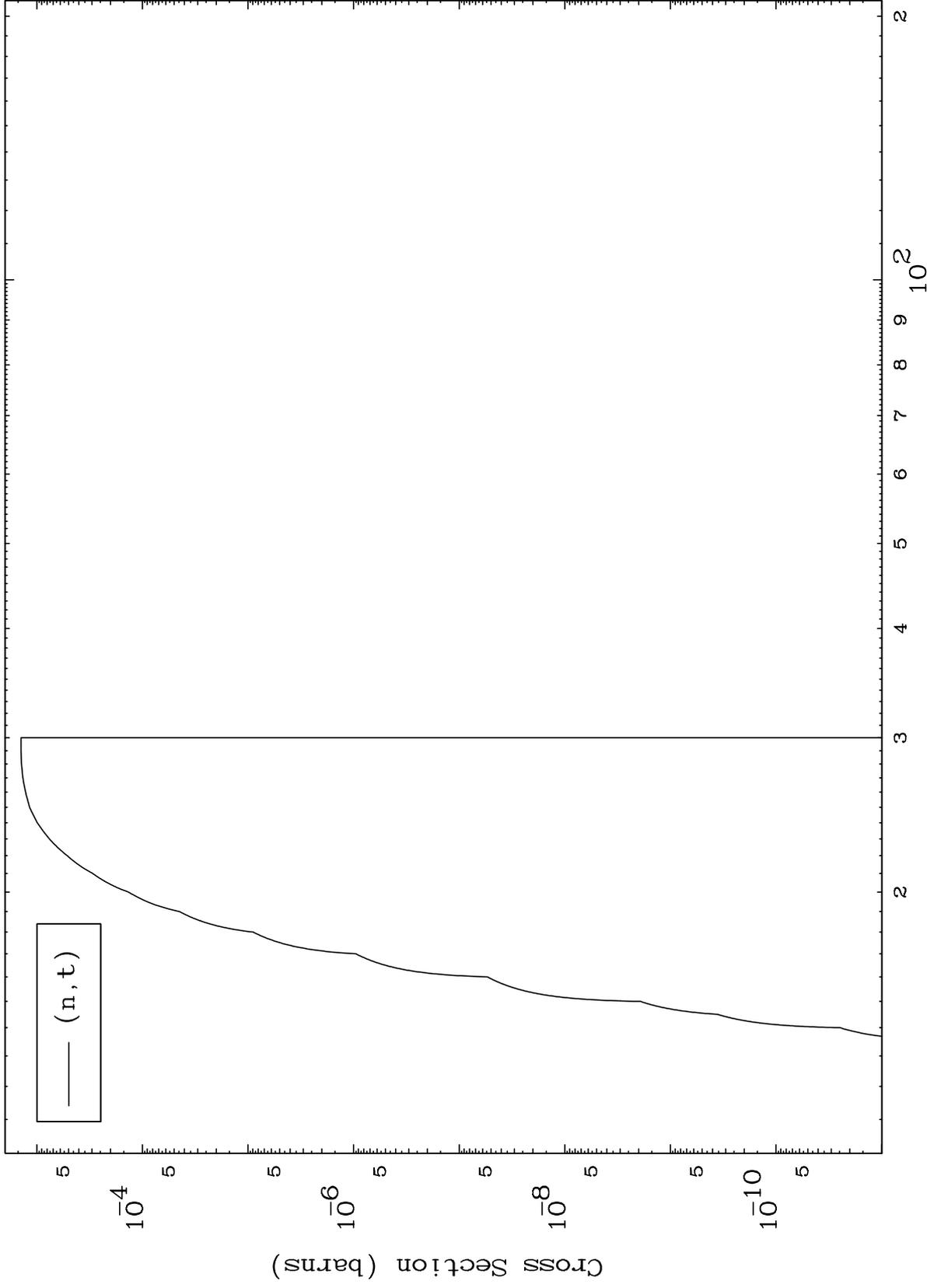




MAT 4967

(n,t) Levels  
293 Kelvin Cross Sections

49-In-127



11

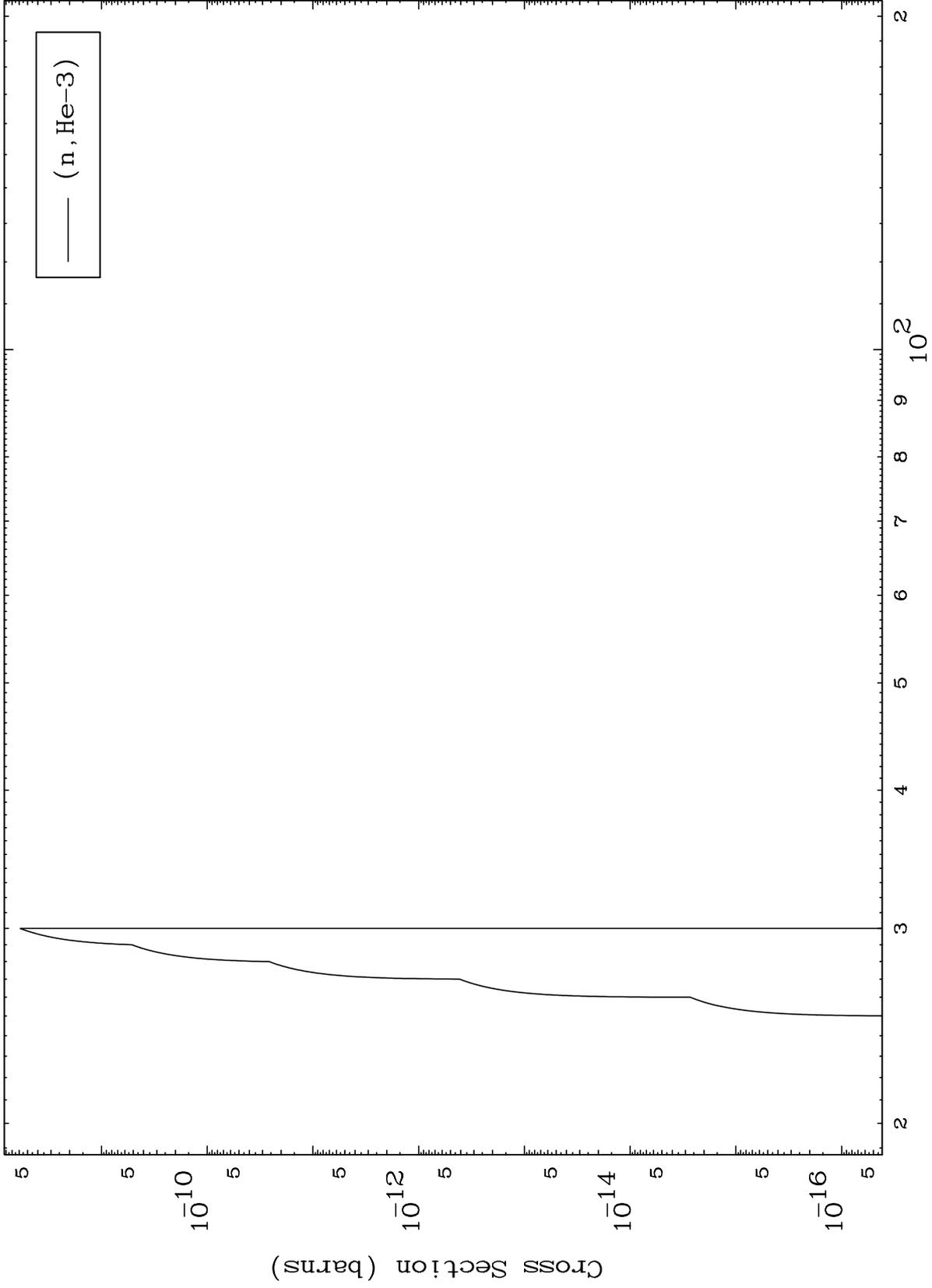
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49-In-127

MAT 4967

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-127



12

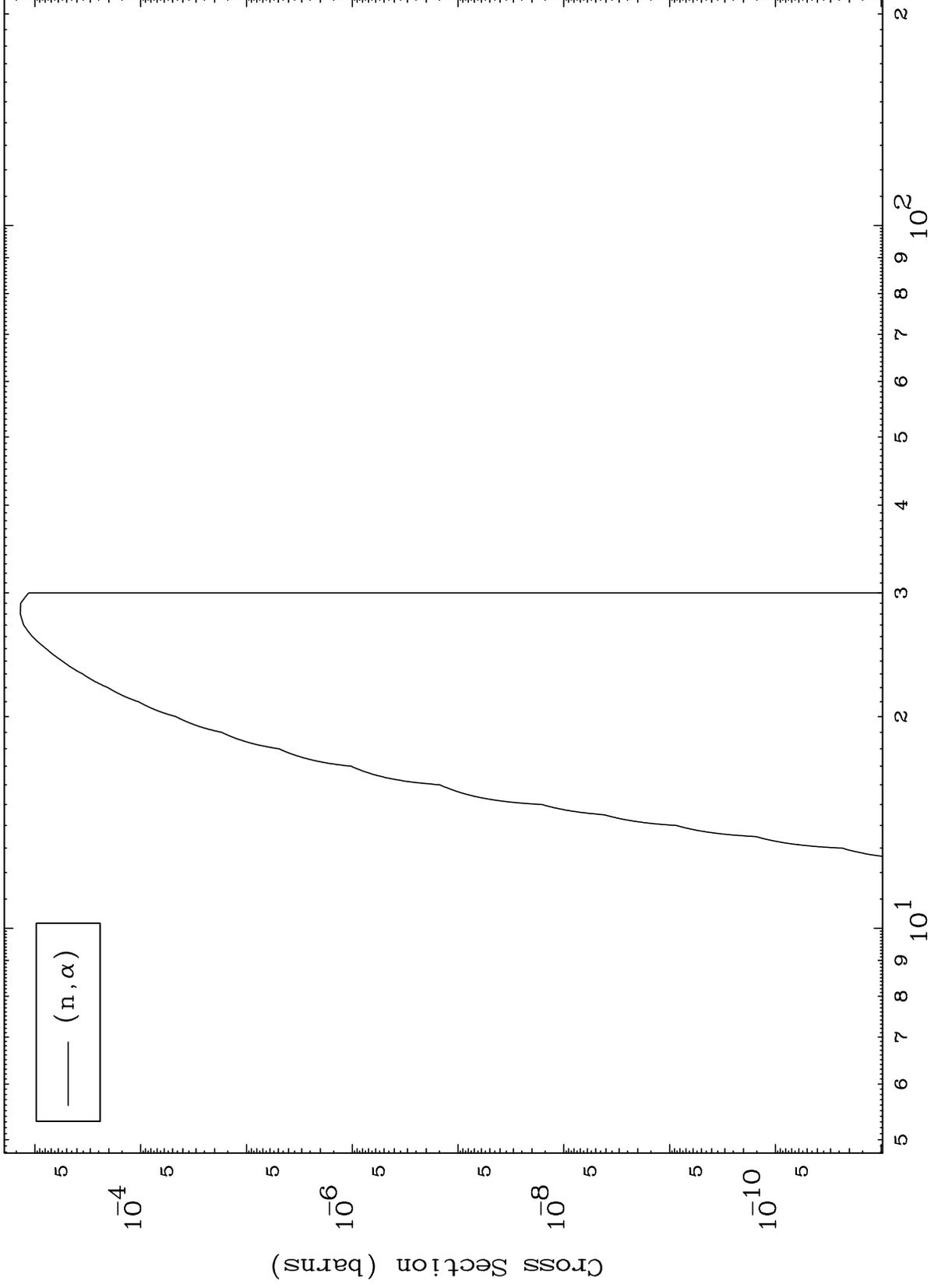
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49-In-127

MAT 4967

(n,α) Levels  
293 Kelvin Cross Sections

49-In-127



13

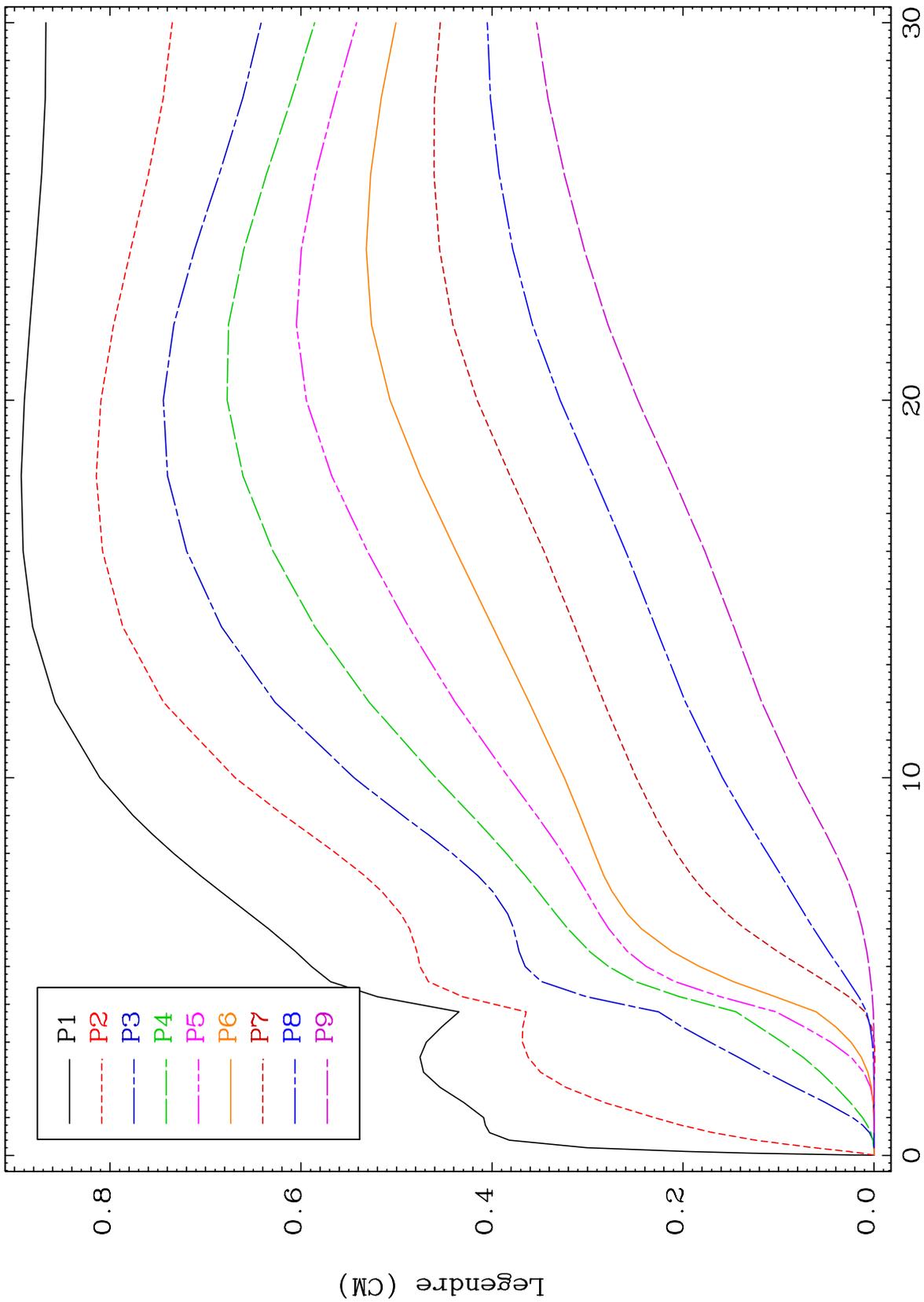
Incident Energy (MeV)

49-In-127

MAT 4967

Elastic Legendre Coefficients

49-In-127



14

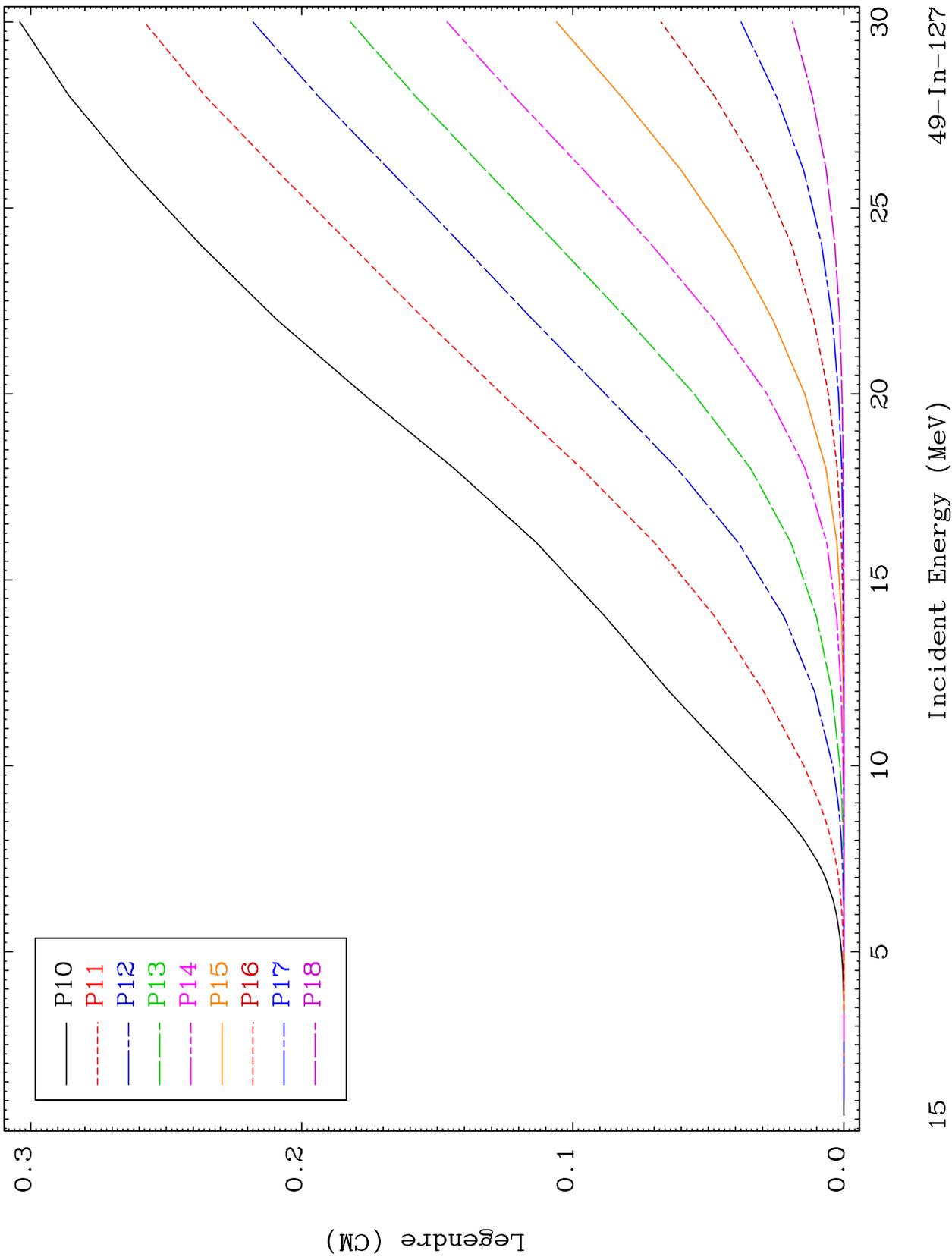
Incident Energy (MeV)

49-In-127

MAT 4967

Elastic Legendre Coefficients

49-In-127

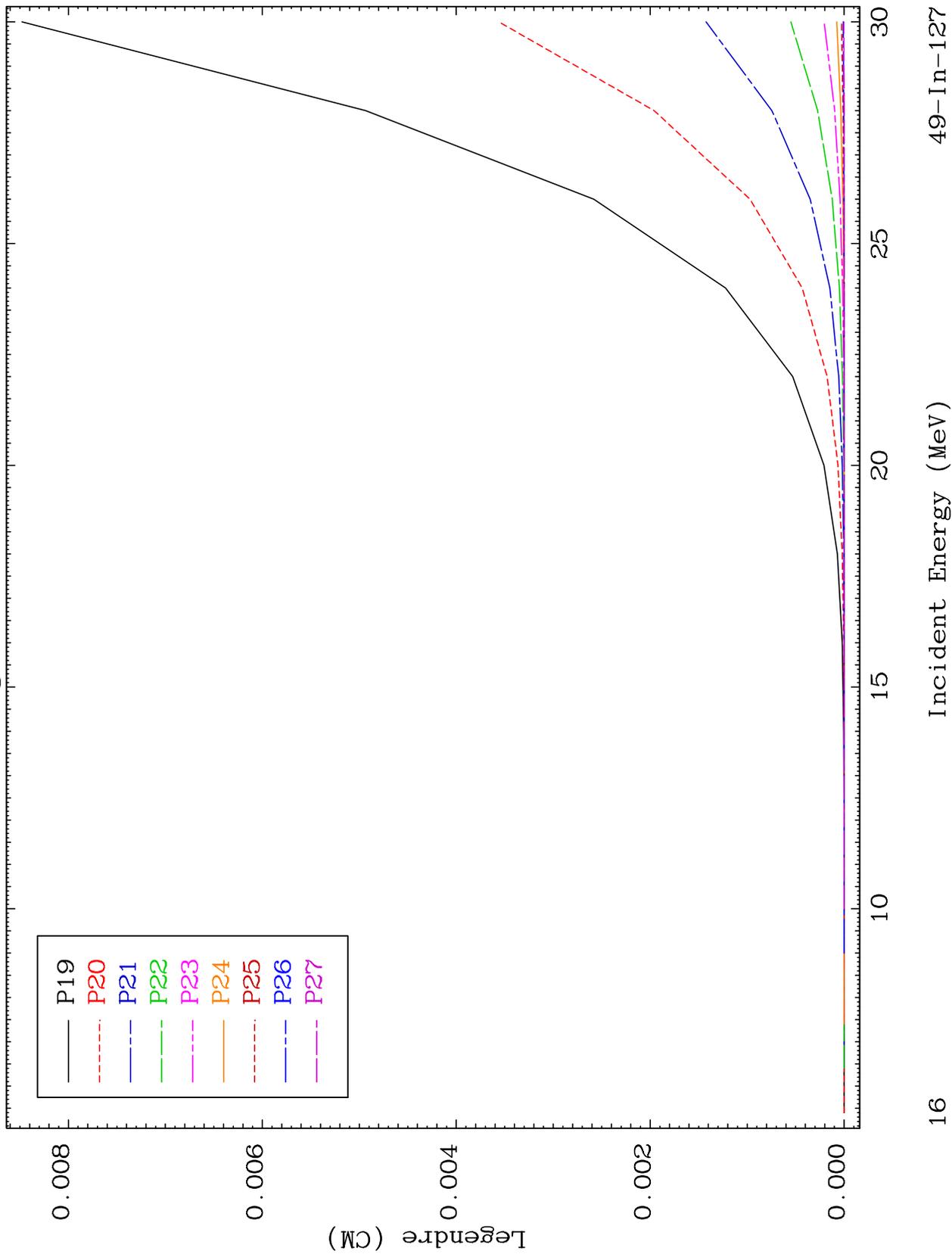


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MAT 4967

### Elastic Legendre Coefficients

49-In-127



16

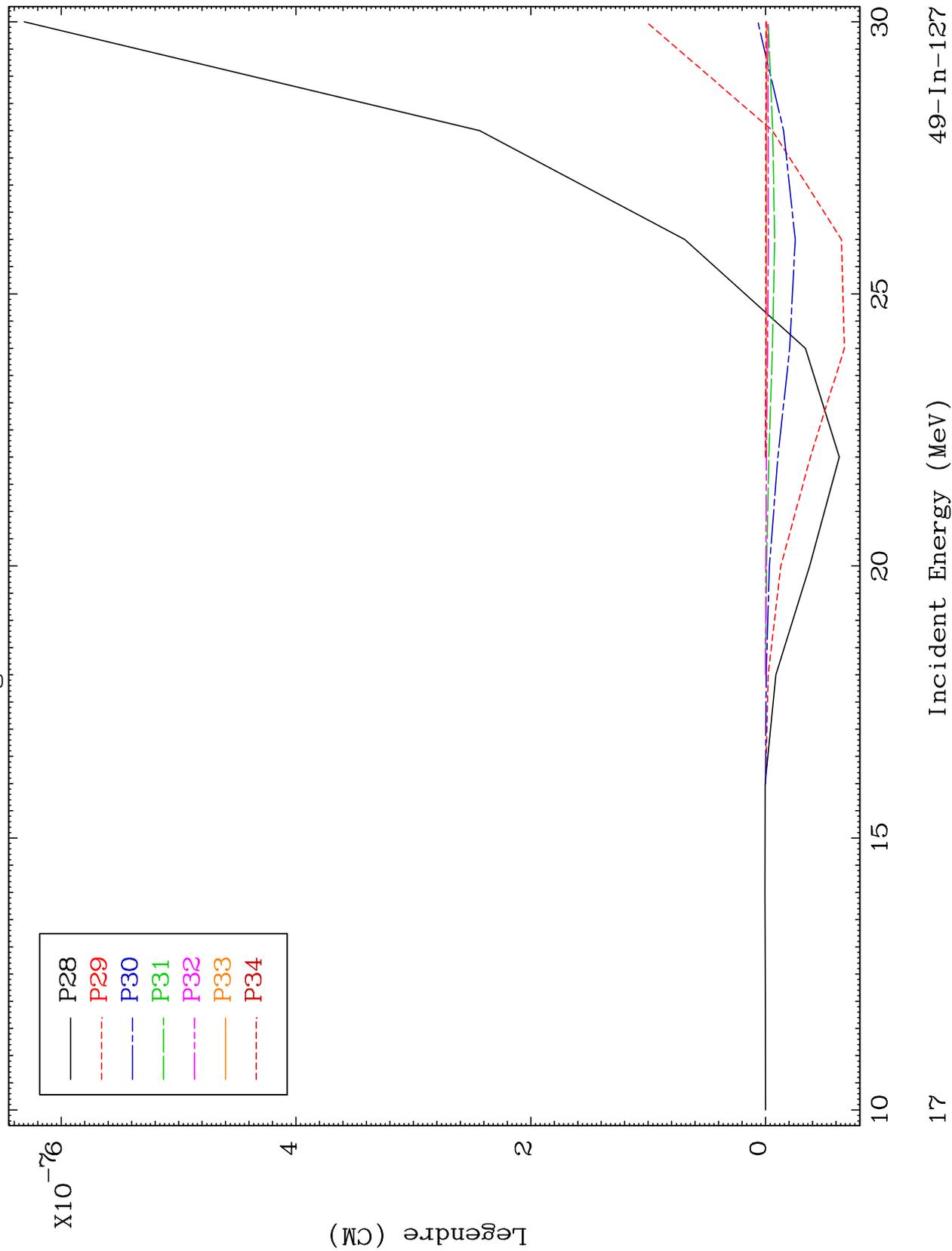
Incident Energy (MeV)

49-In-127

MAT 4967

Elastic Legendre Coefficients

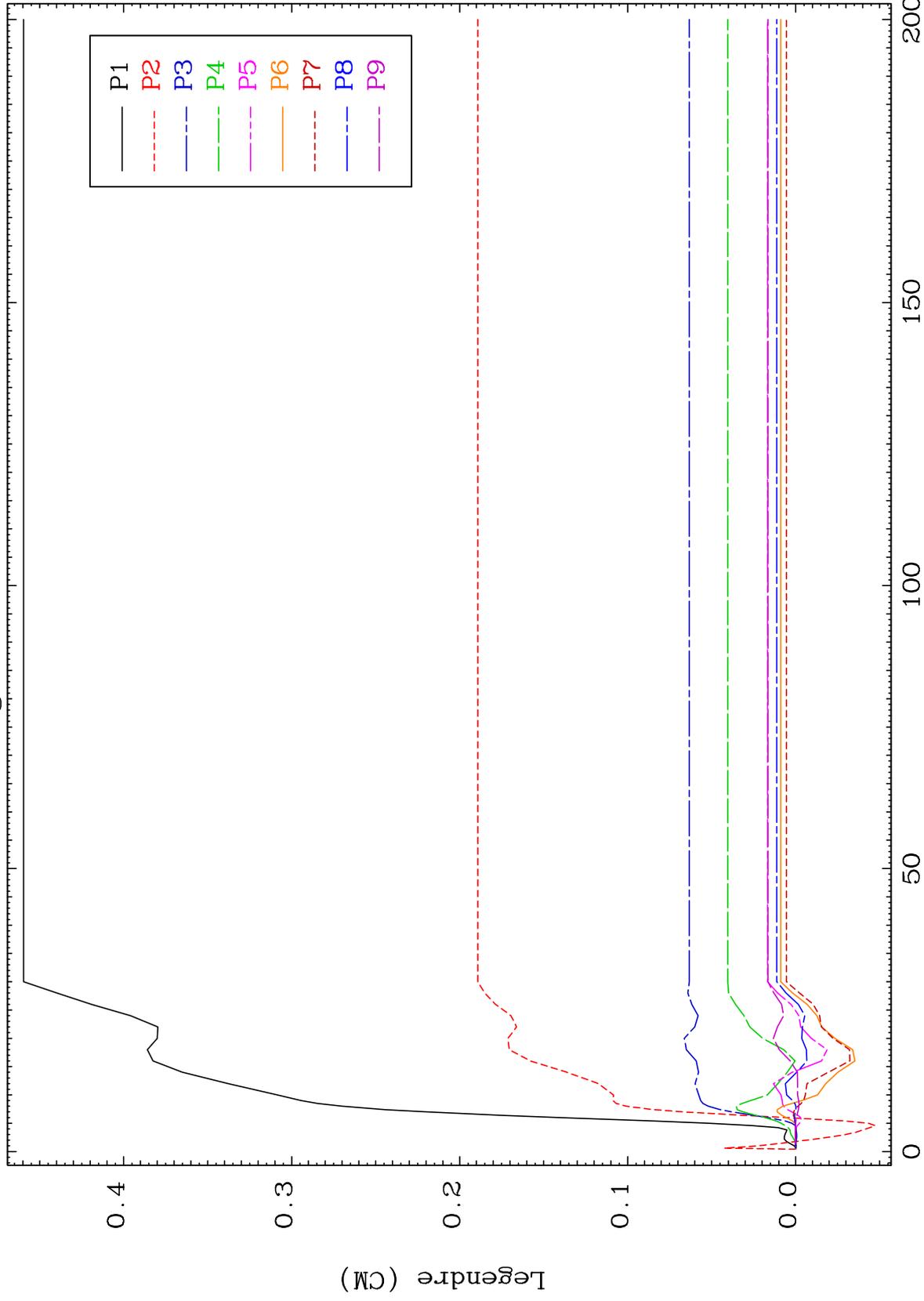
49-In-127



MAT 4967

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

49-In-127



18

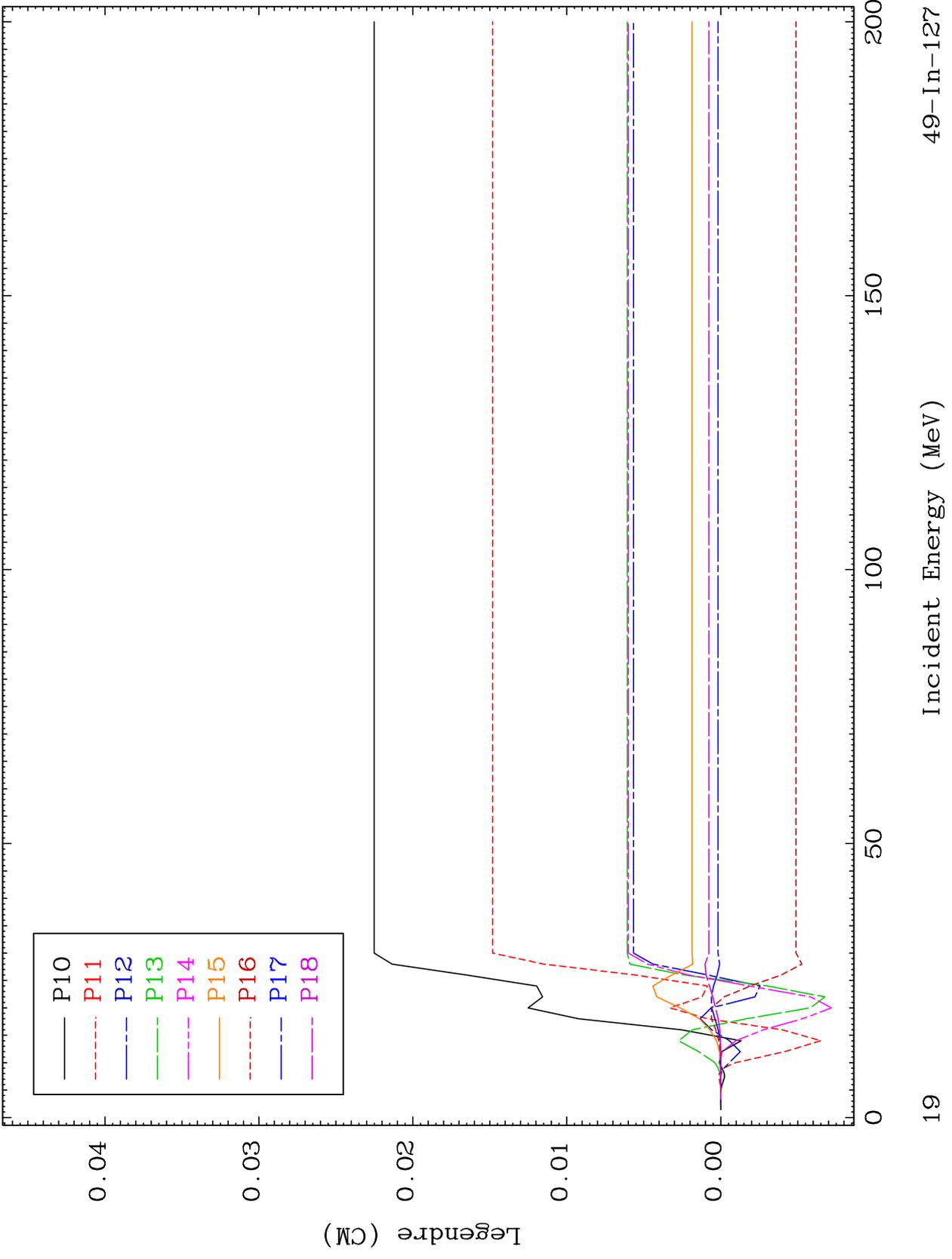
Incident Energy (MeV)

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MAT 4967

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

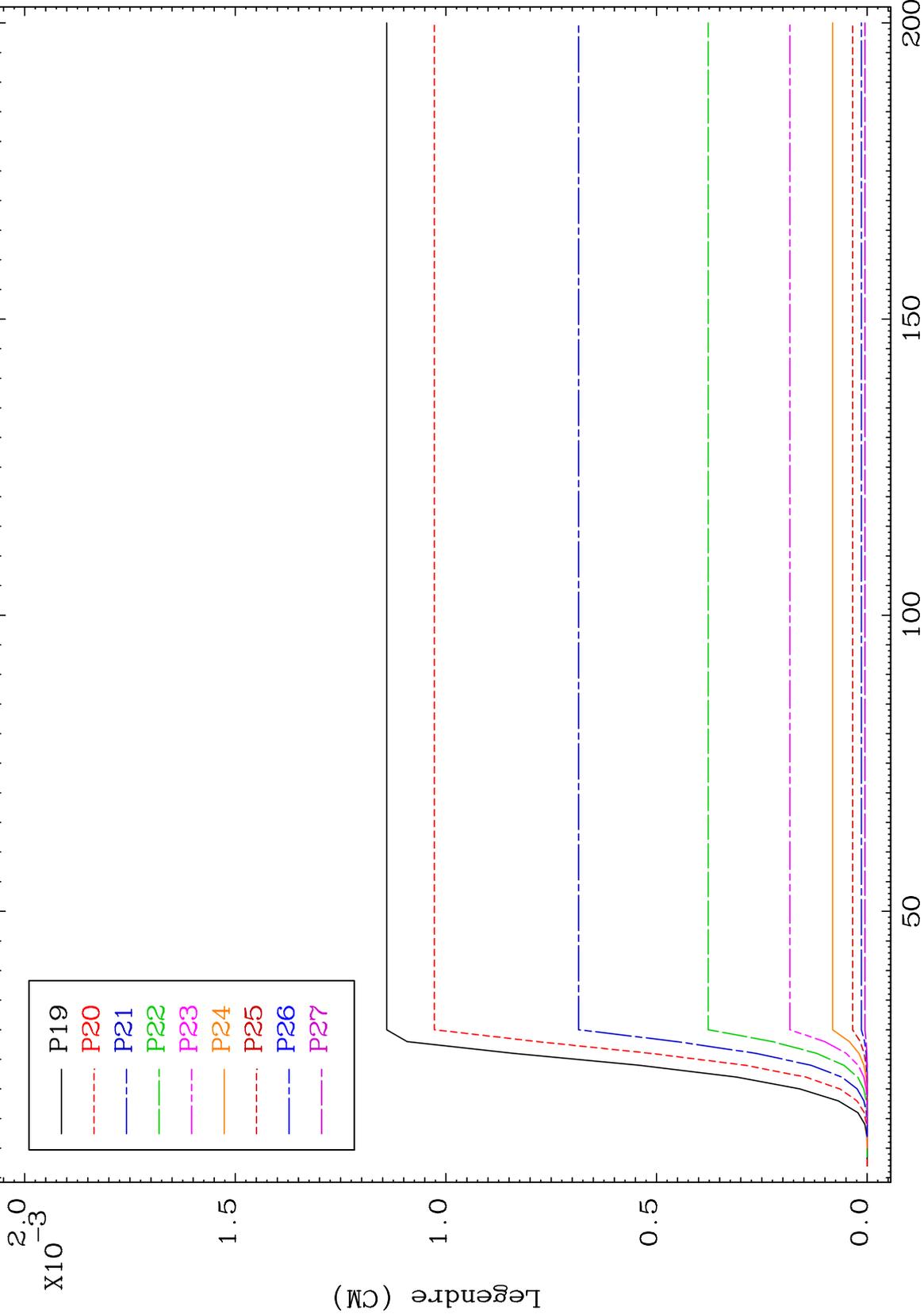
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MAT 4967

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

49-In-127



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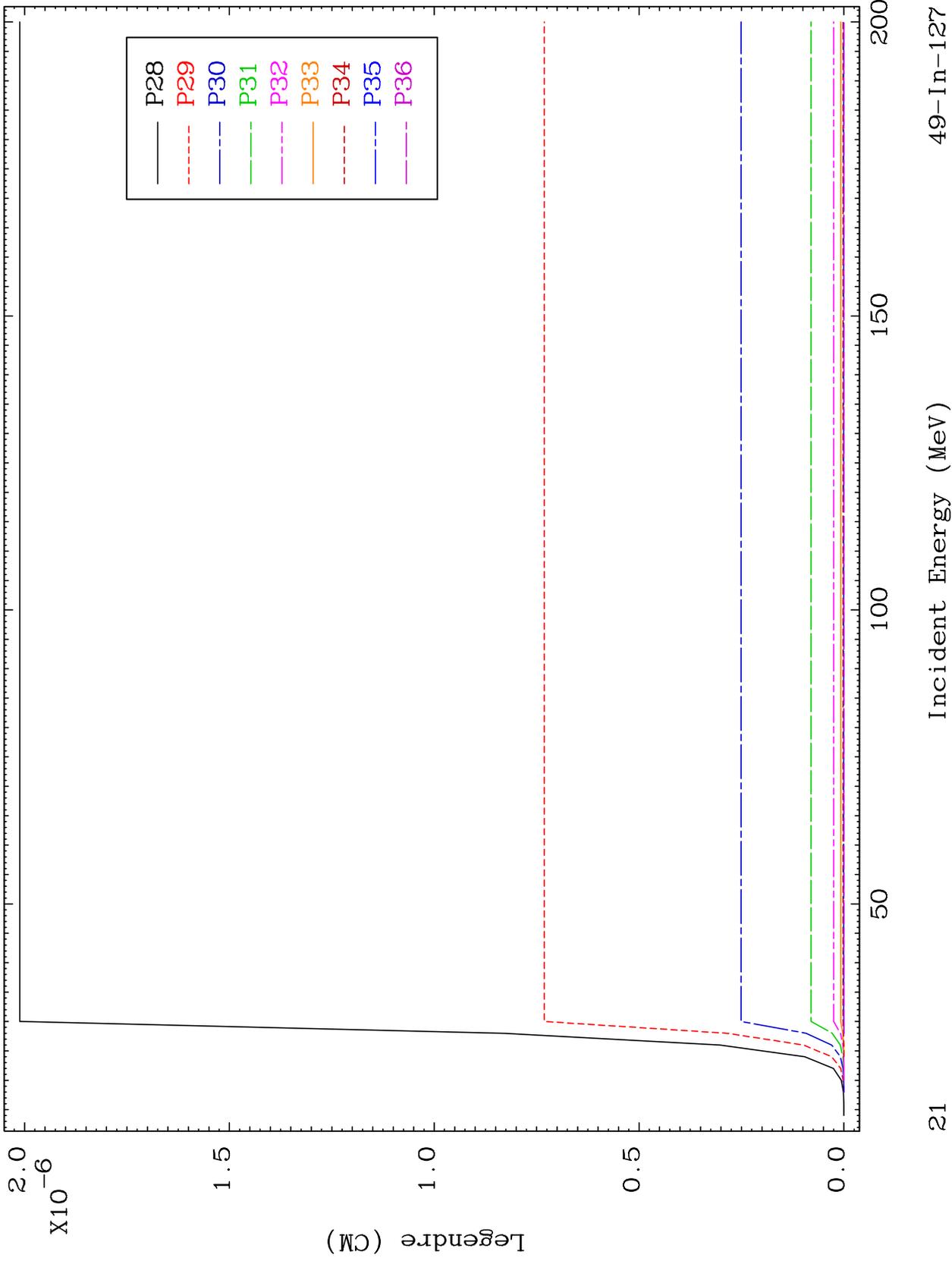
Incident Energy (MeV)

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MAT 4967

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

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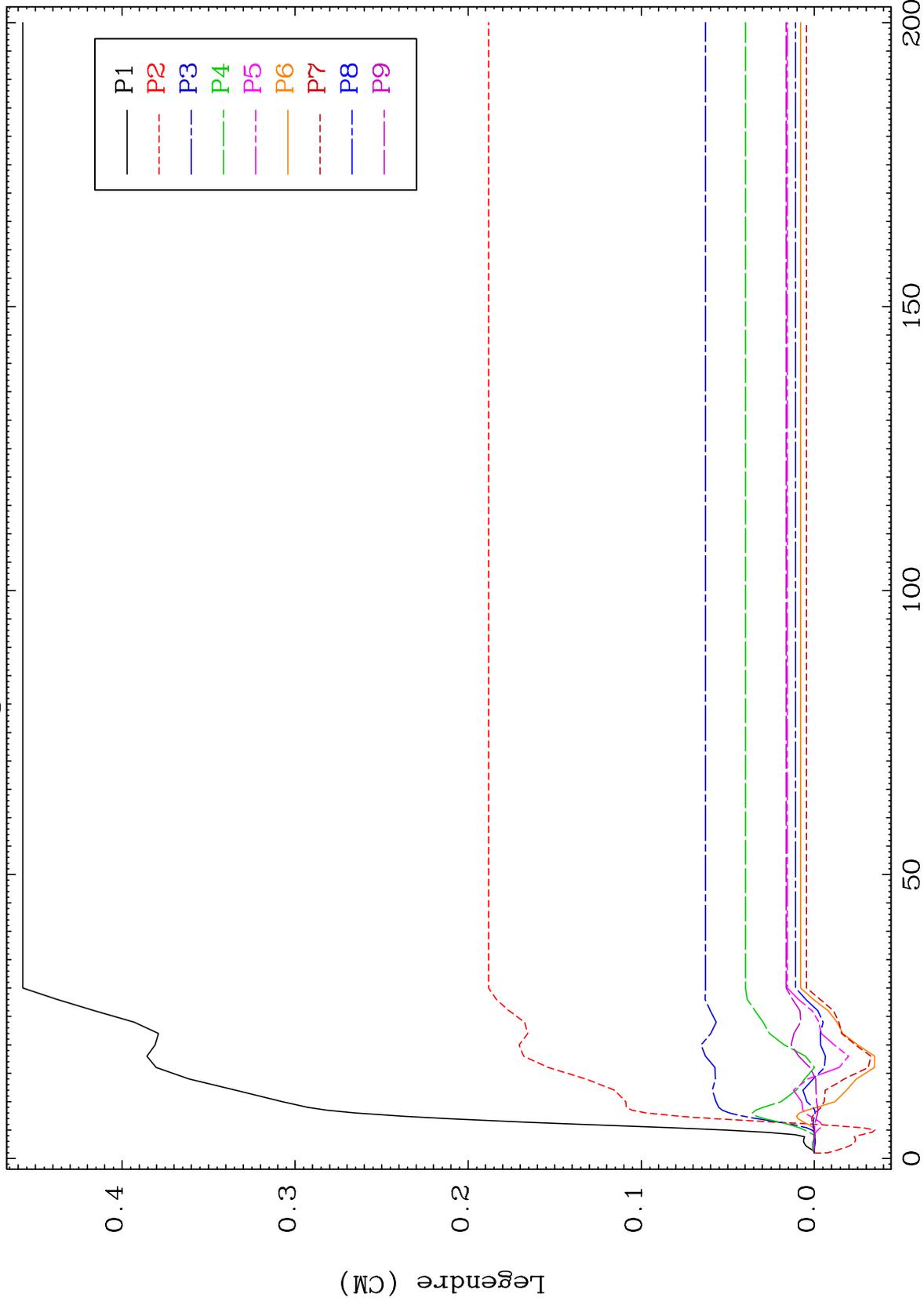


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MAT 4967

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

49-In-127



22

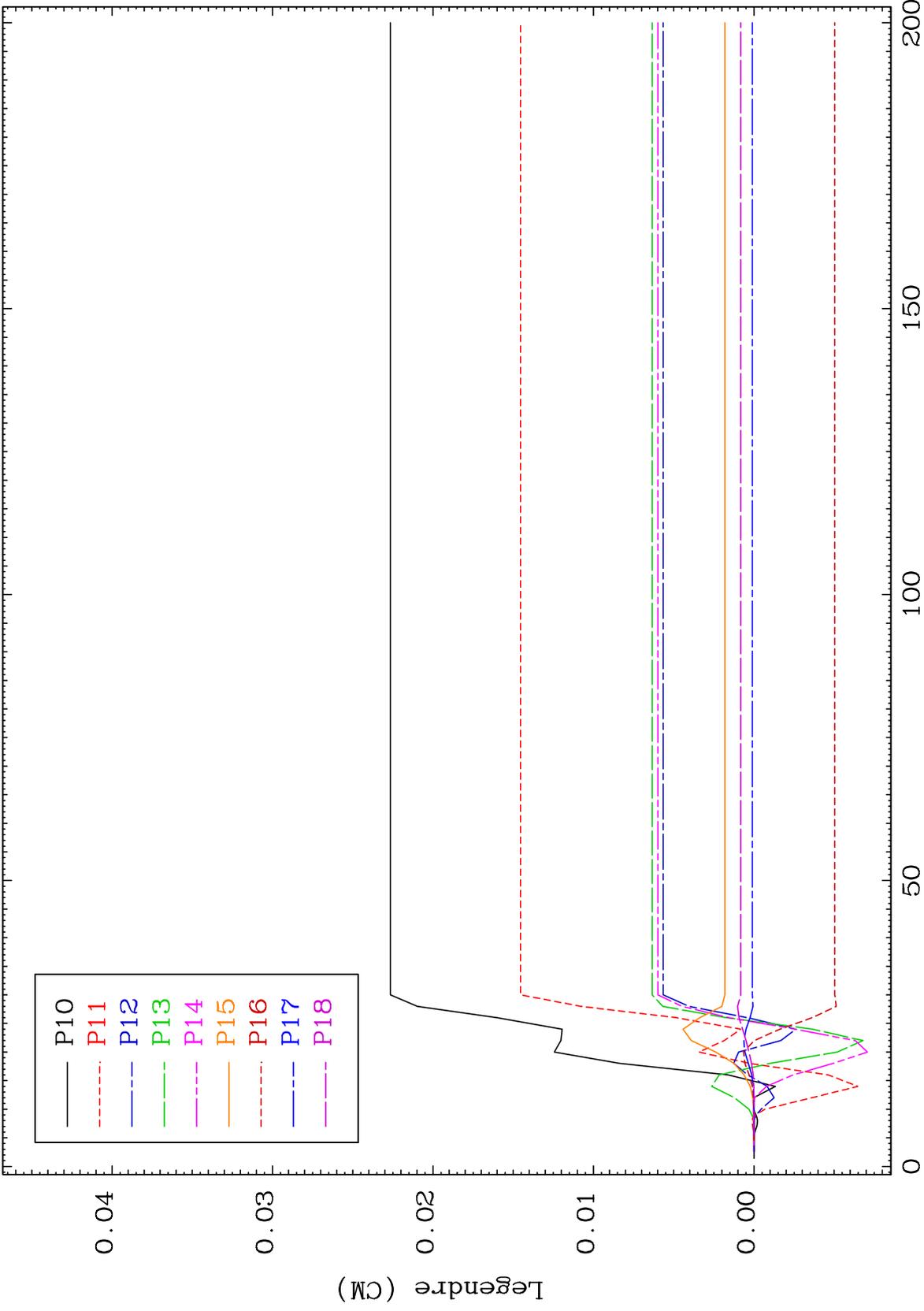
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



23

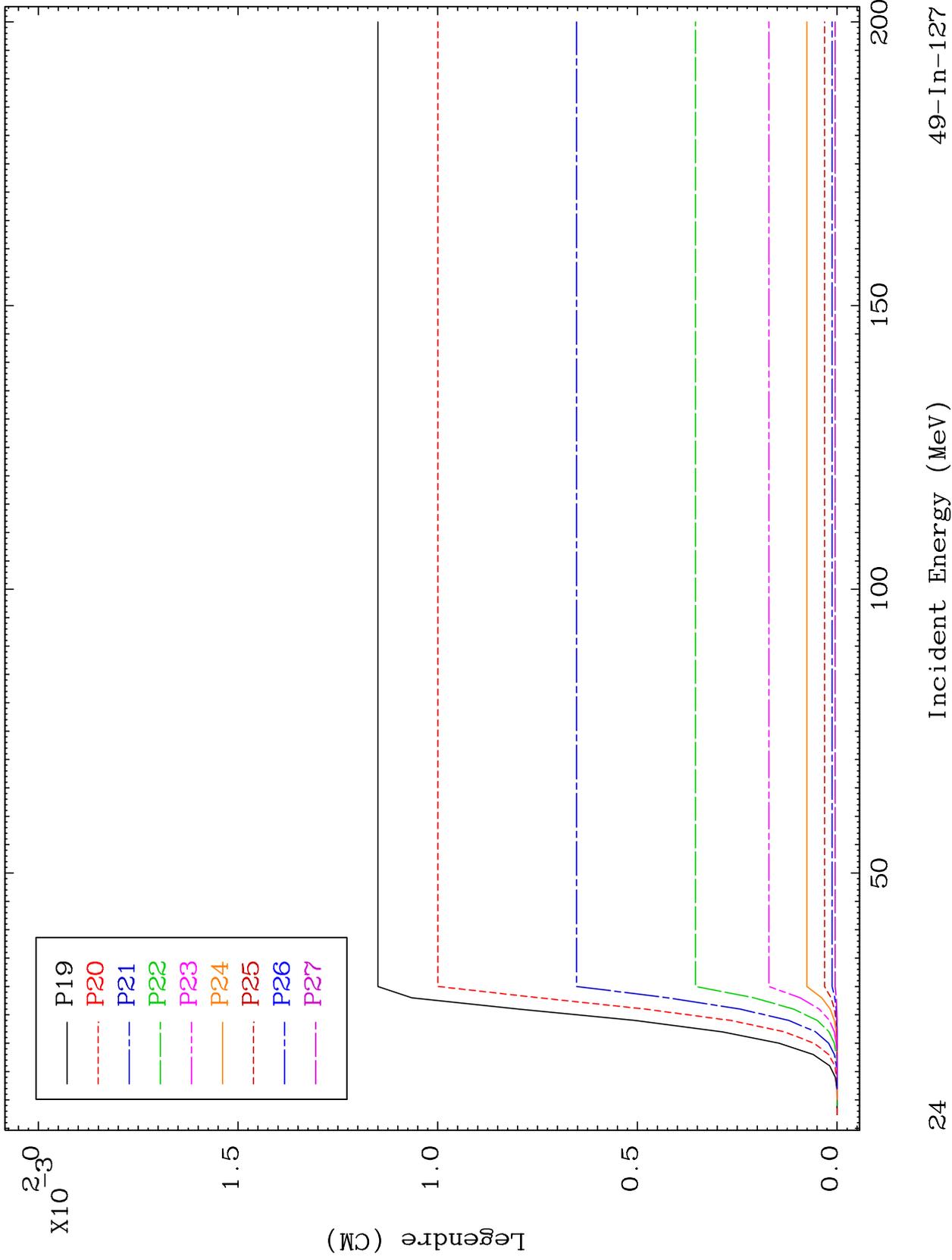
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



24

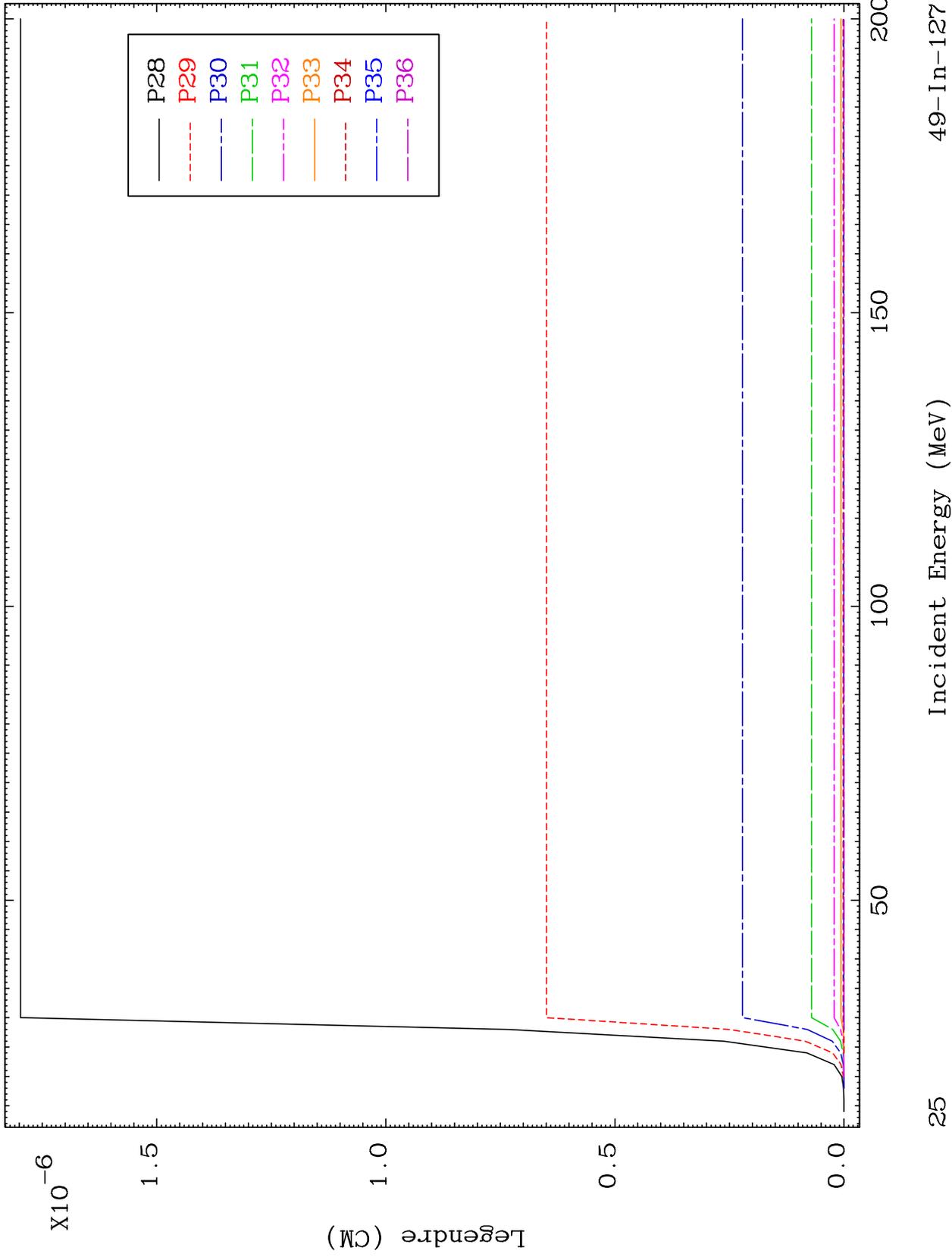
Incident Energy (MeV)

49-In-127

MAT 4967

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

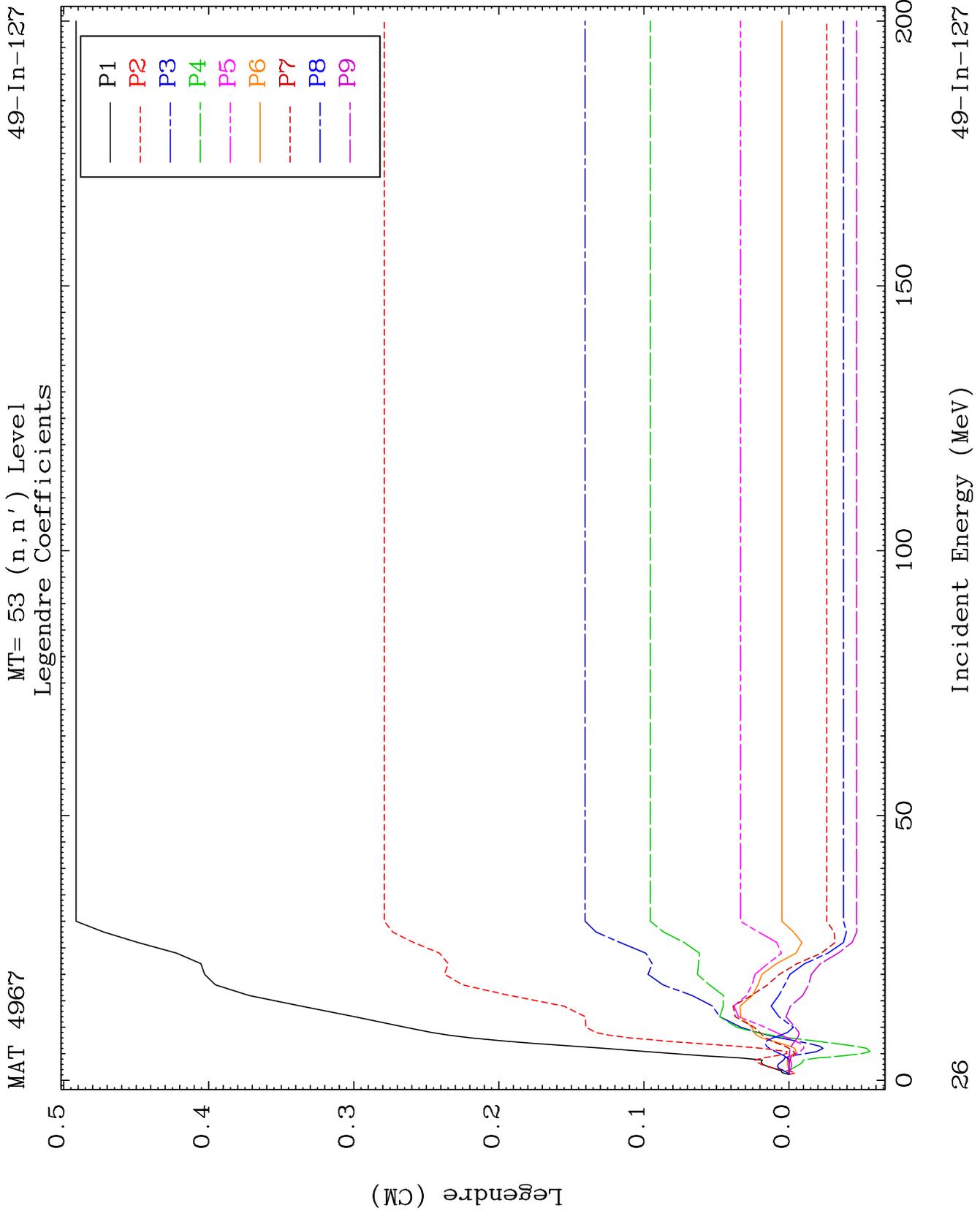
49-In-127



49-In-127

Incident Energy (MeV)

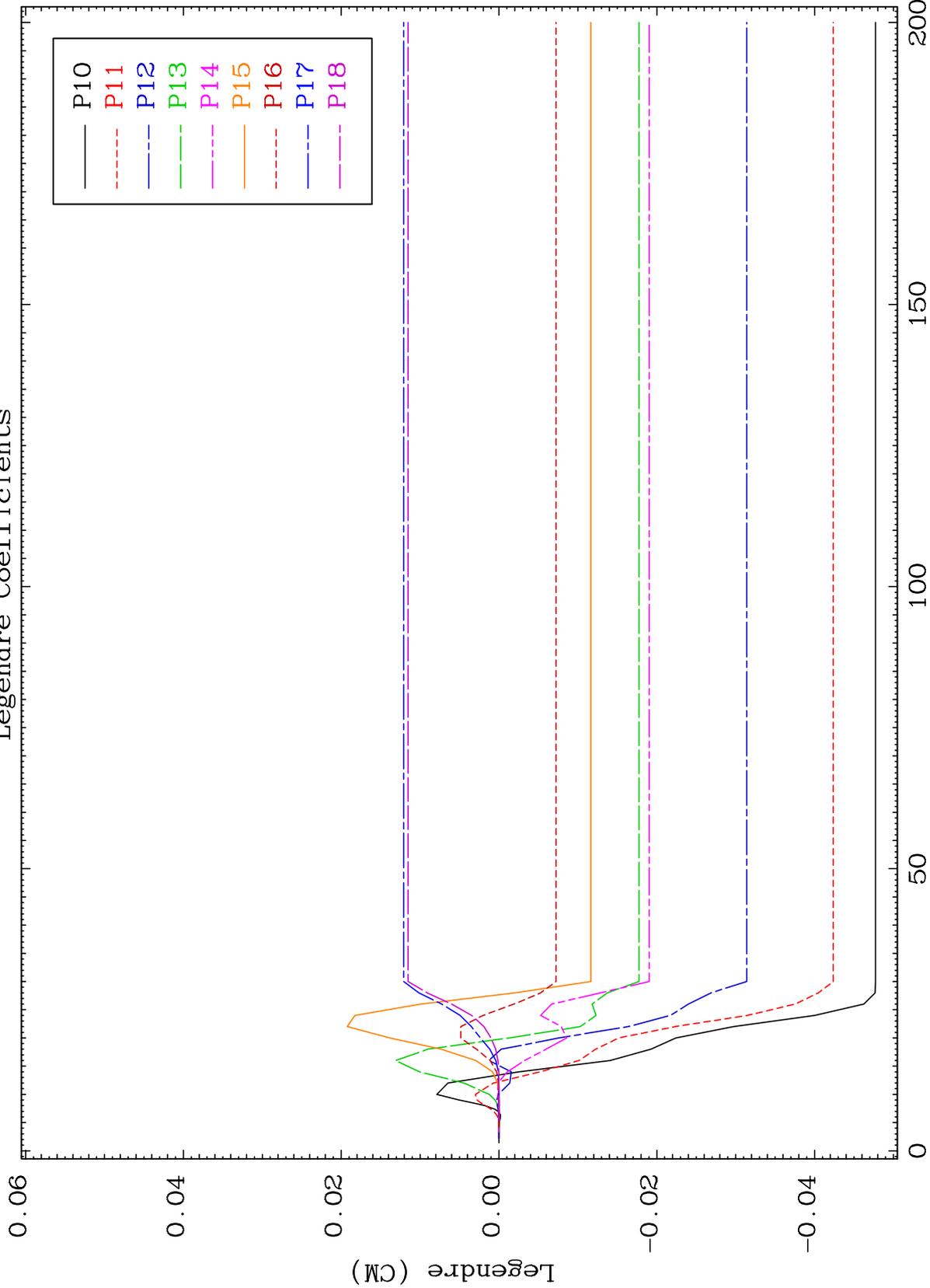
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MAT 4967

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

49-In-127



27

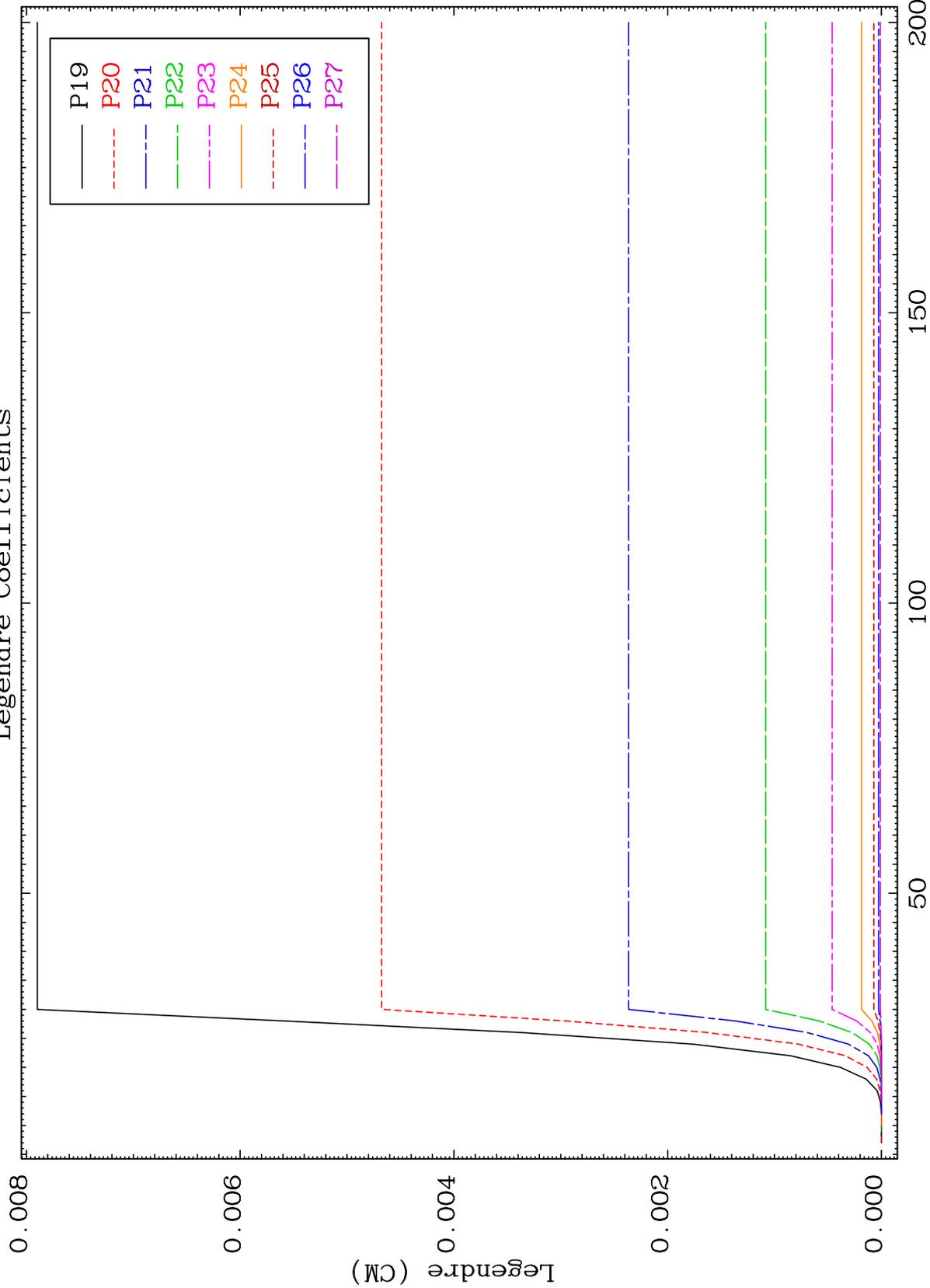
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



28

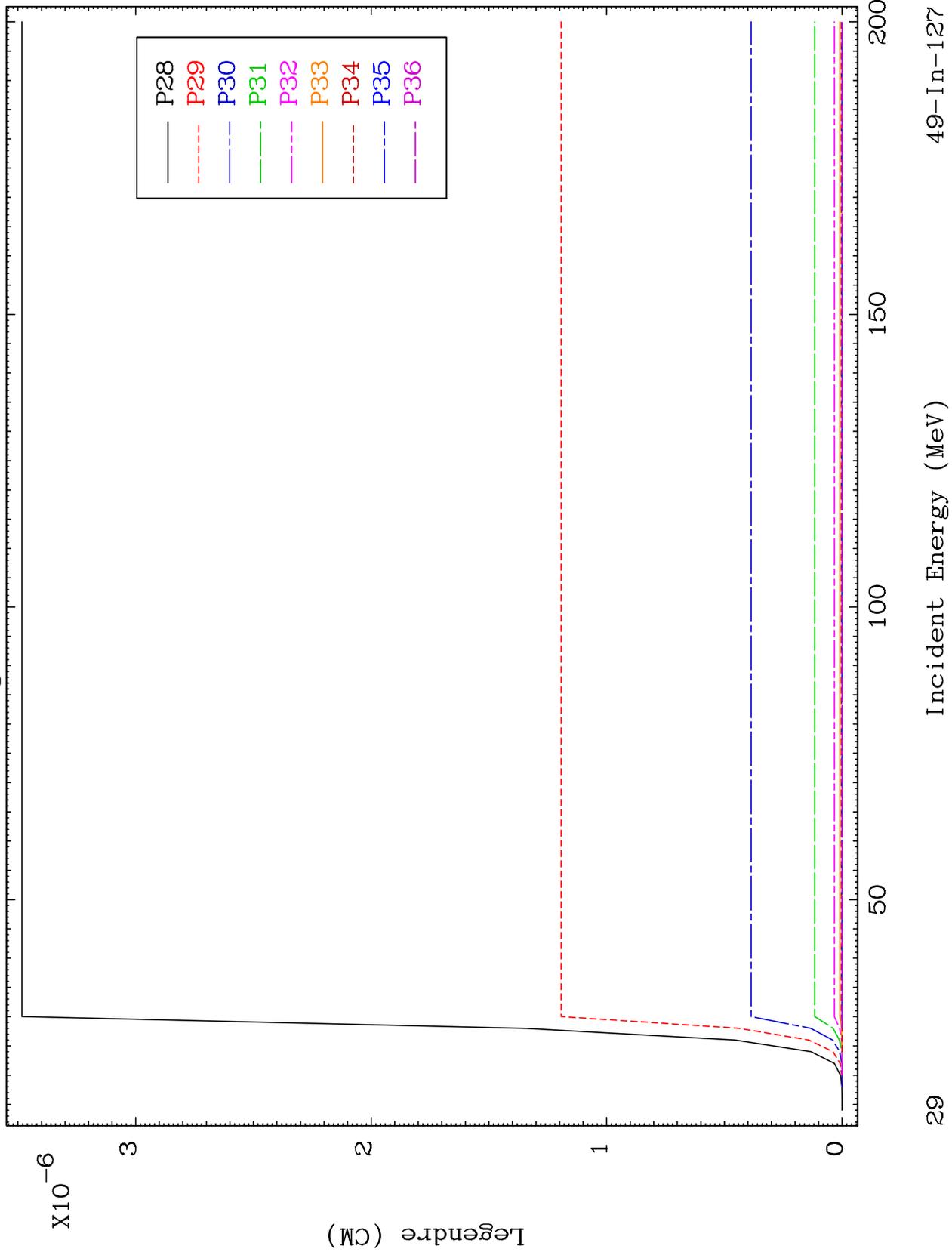
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



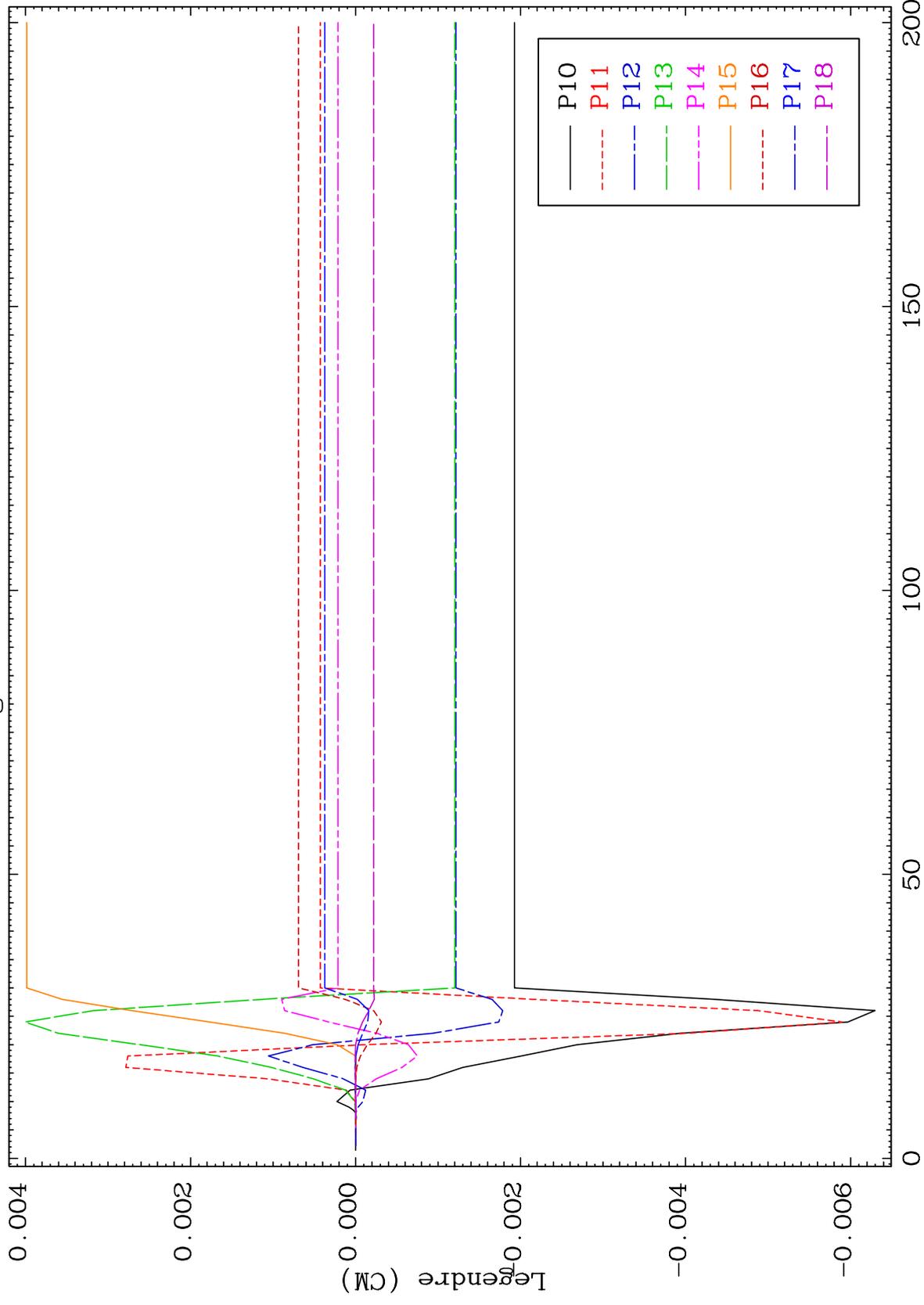
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MAT 4967

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

49-In-127



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Incident Energy (MeV)

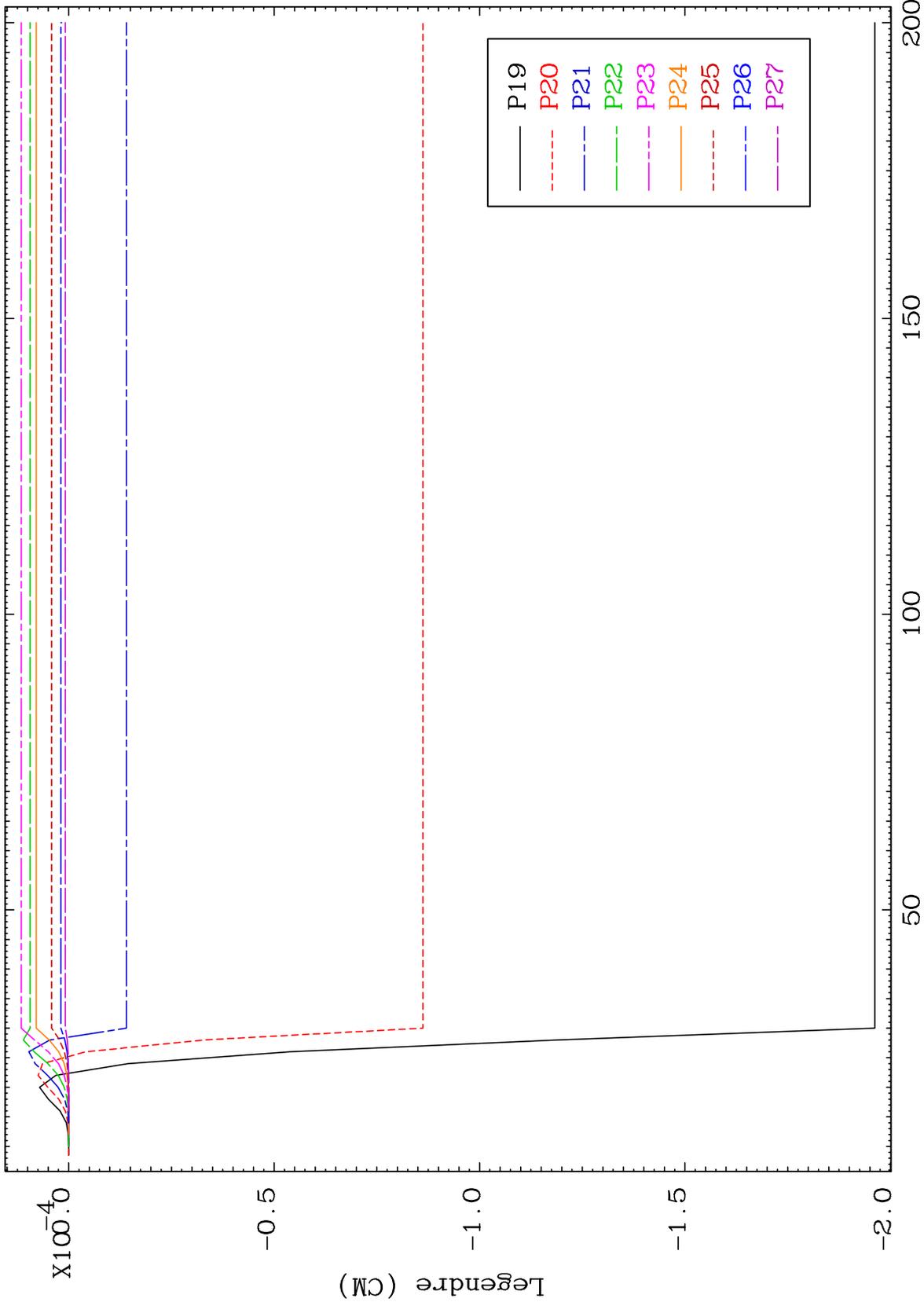
49-In-127

MAT 4967

MT= 54 (n,n') Level

49-In-127

Legendre Coefficients



32

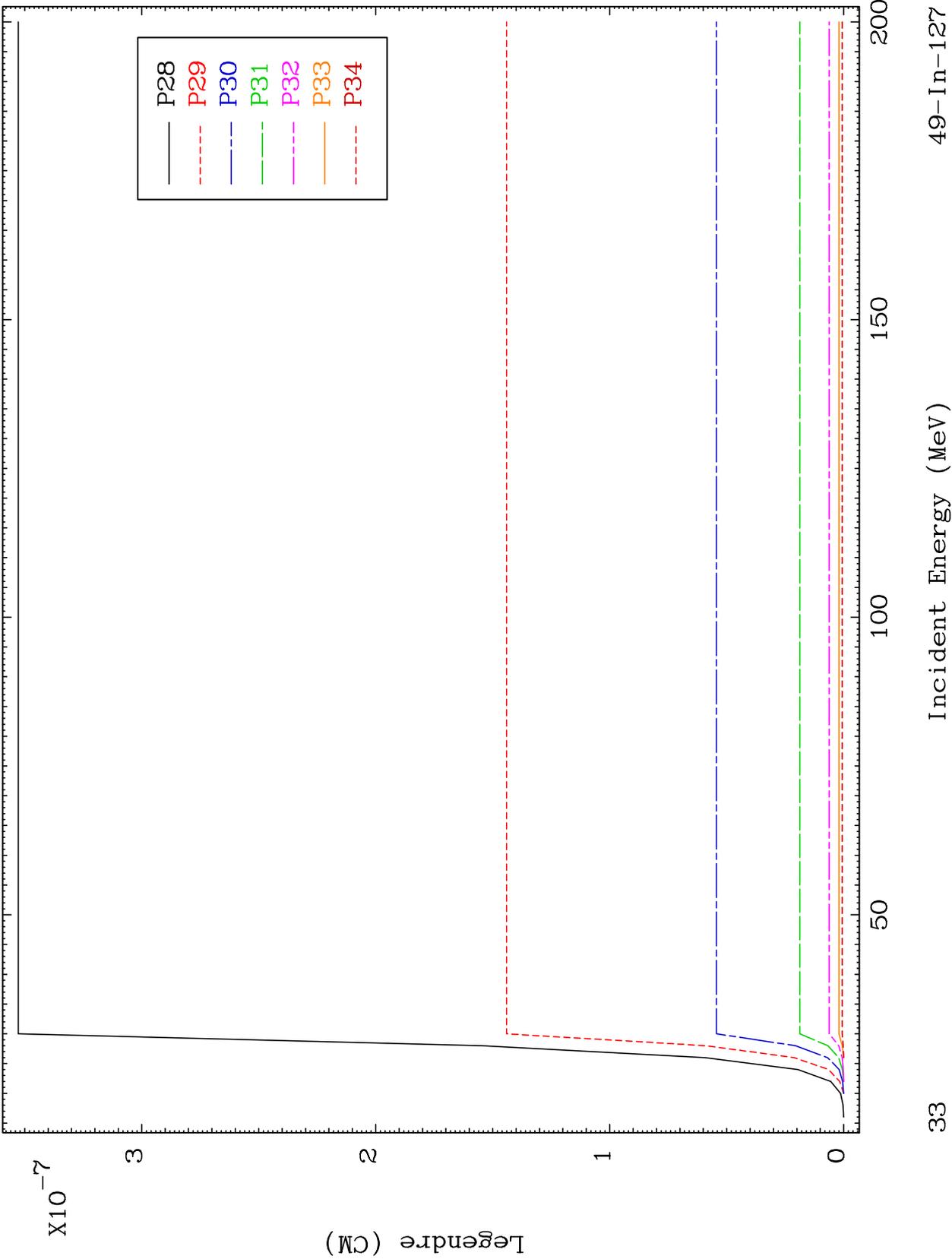
Incident Energy (MeV)

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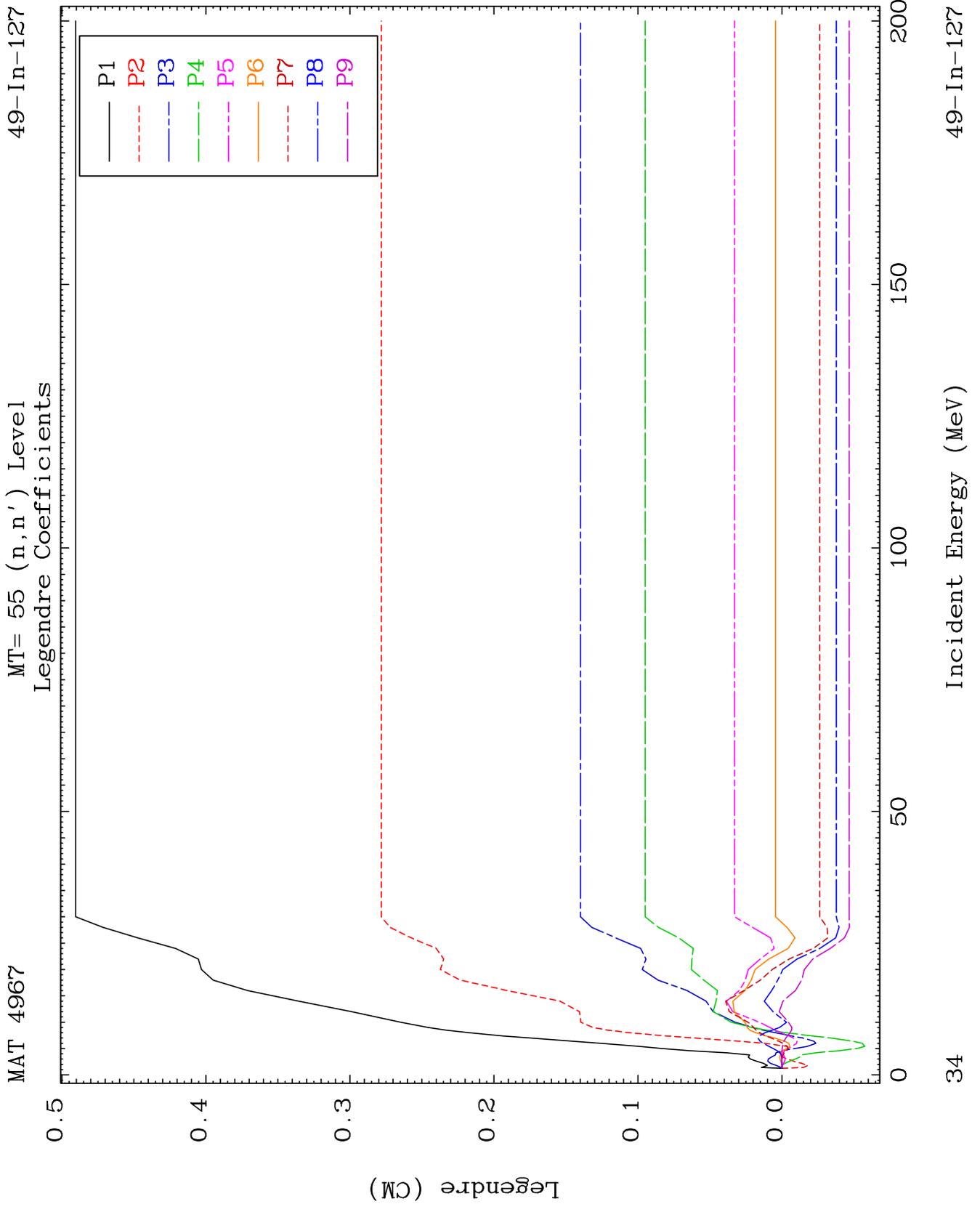
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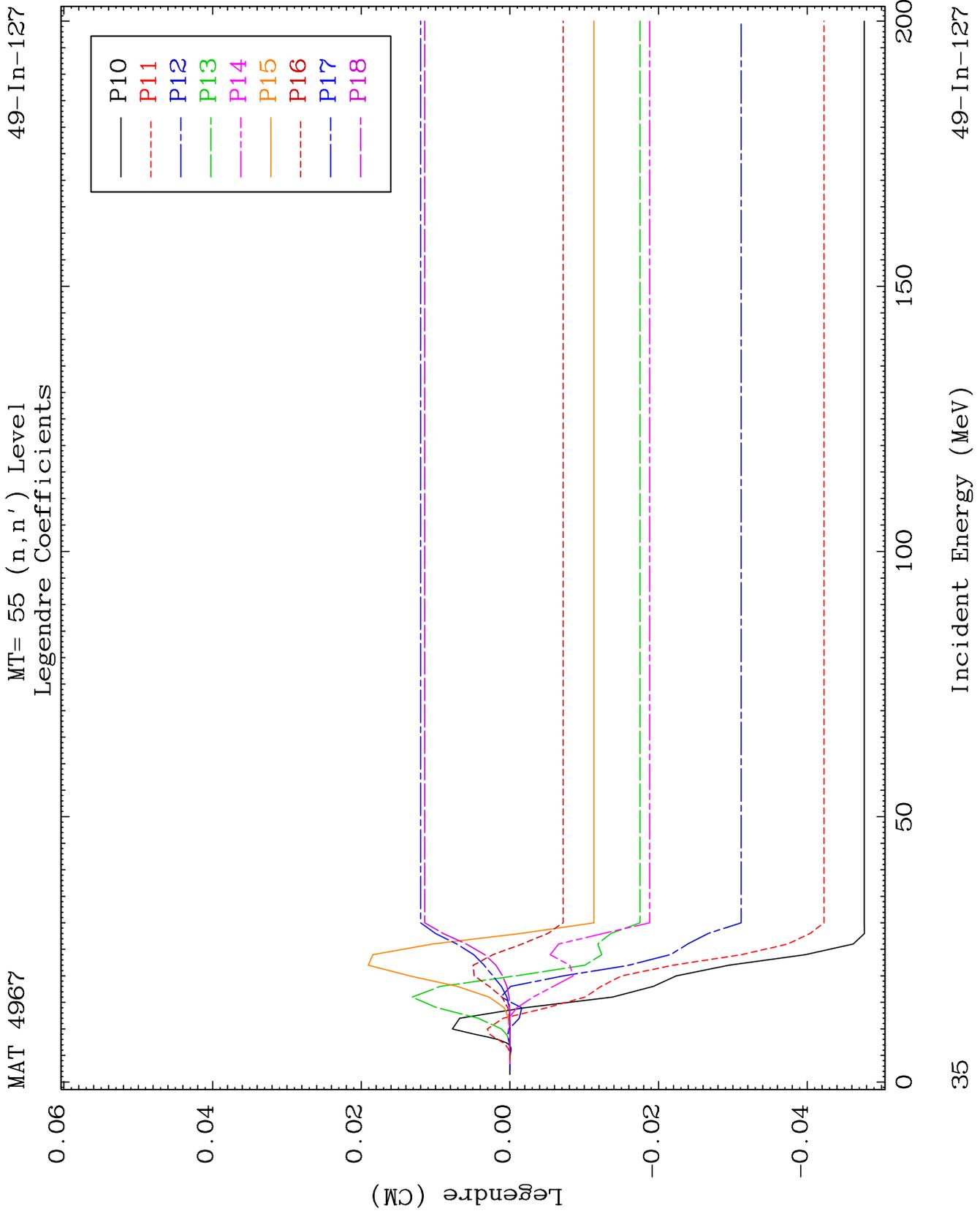
MT= 54 (n,n') Level  
Legendre Coefficients

49-In-127



33

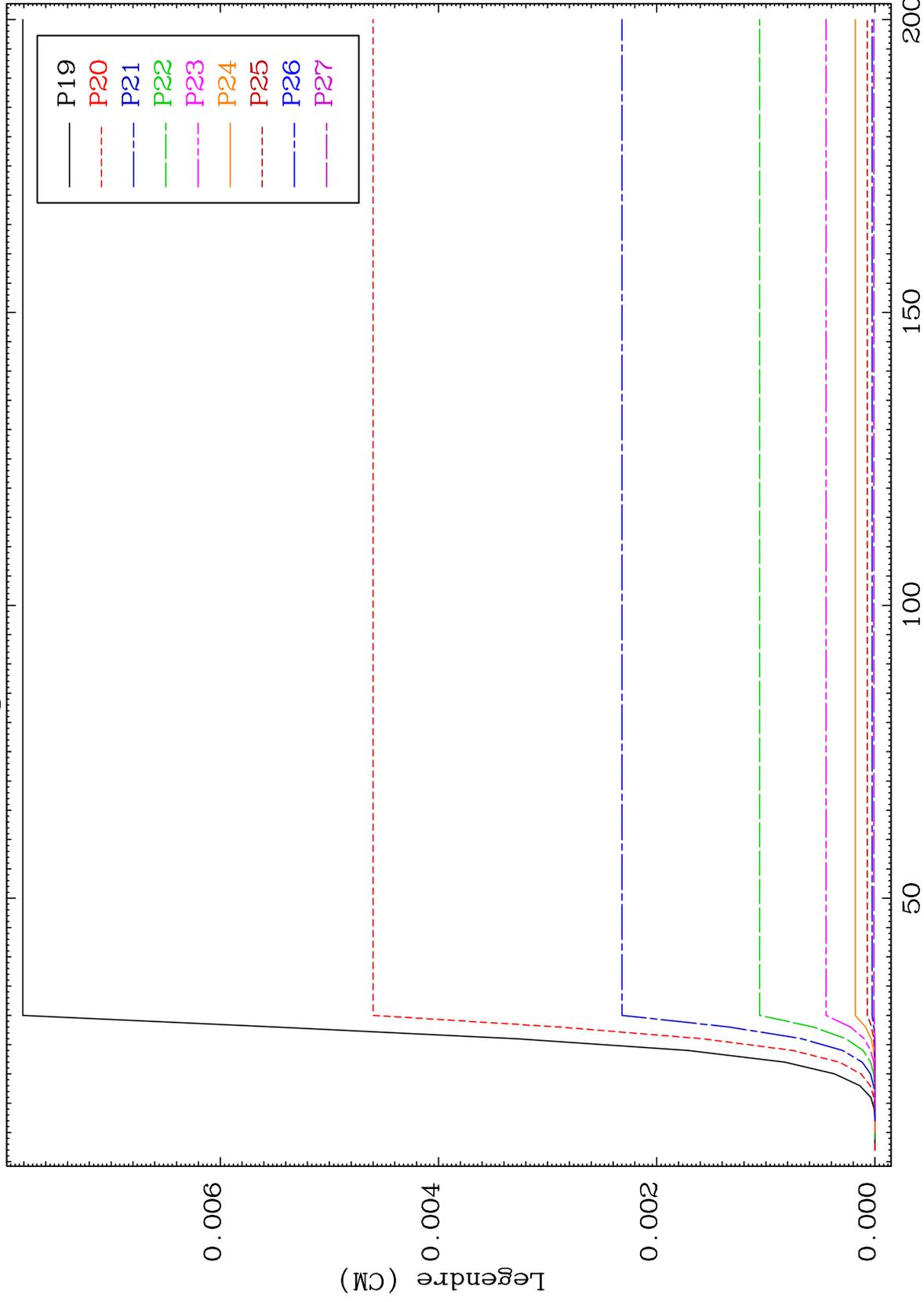




MAT 4967

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

49-In-127



36

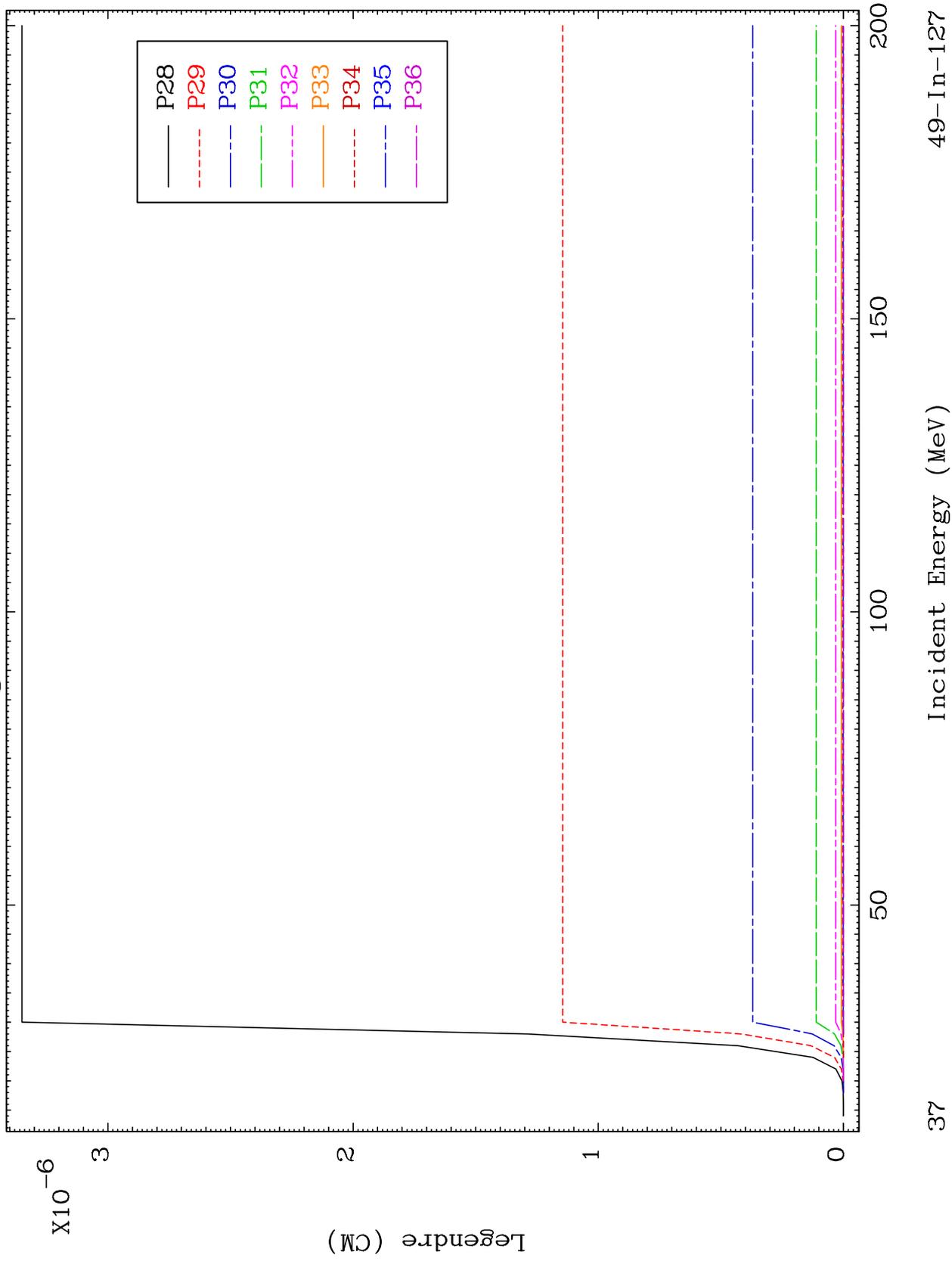
Incident Energy (MeV)

49-In-127

MAT 4967

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

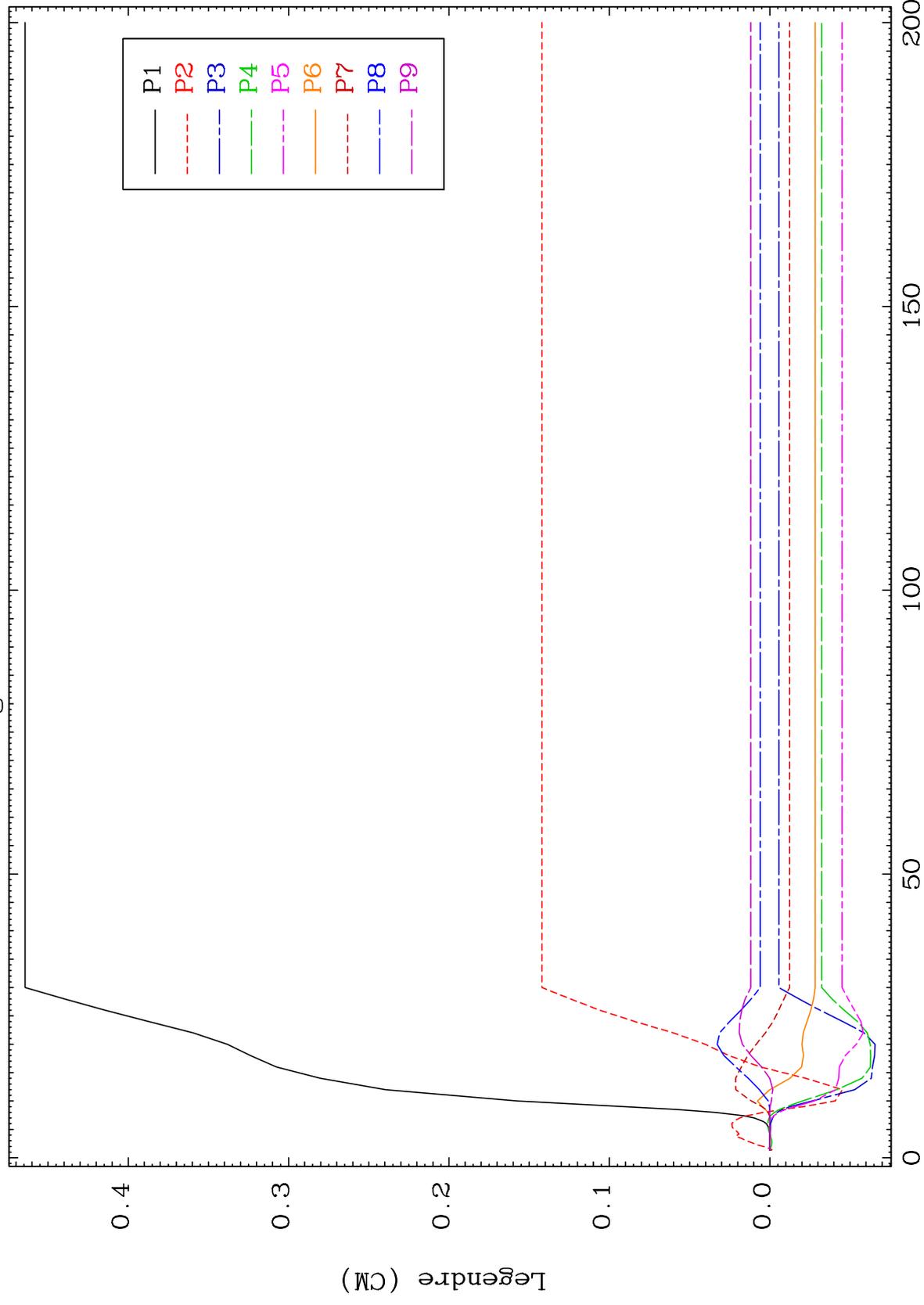
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MAT 4967

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

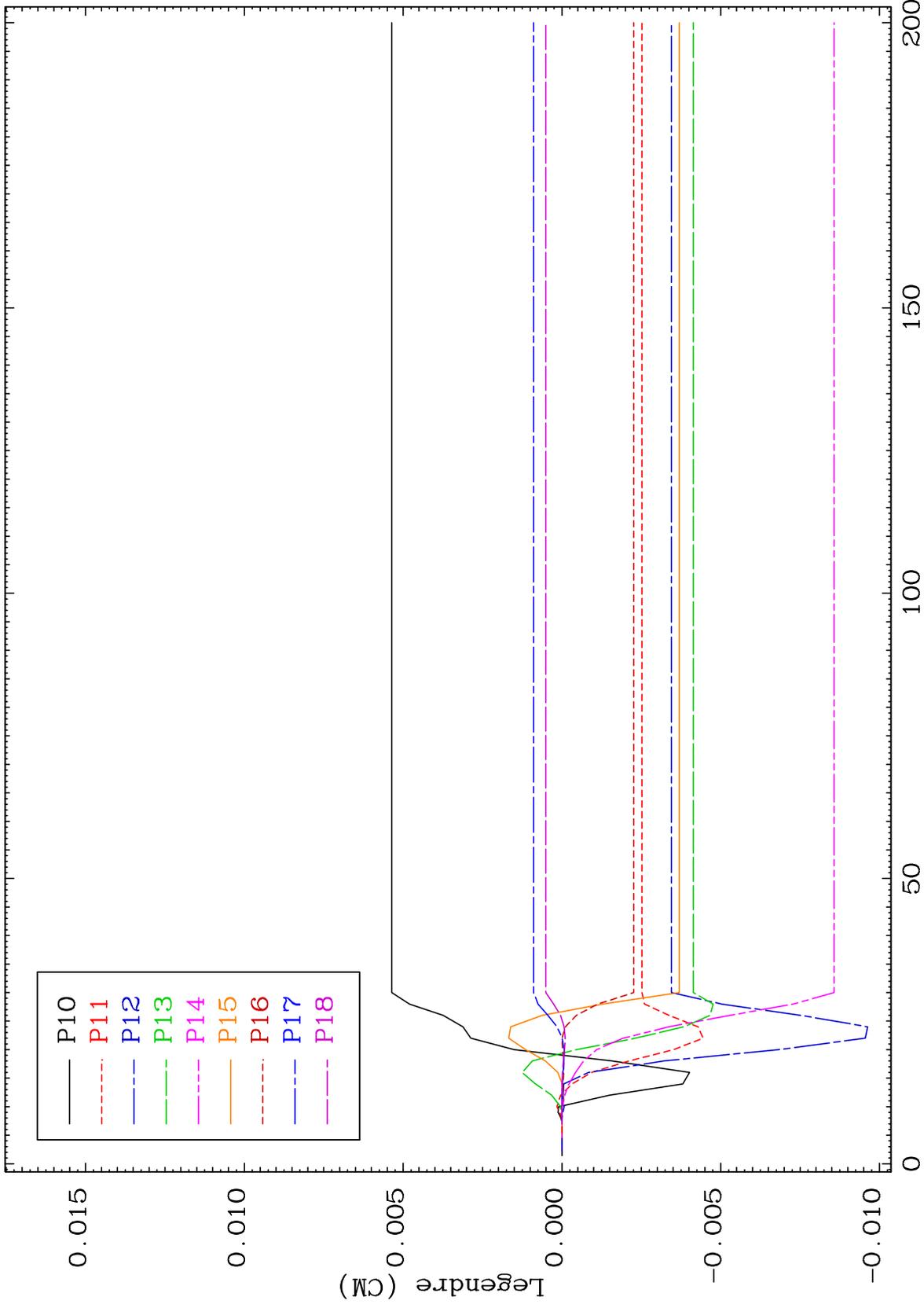
49-In-127



38

Incident Energy (MeV)

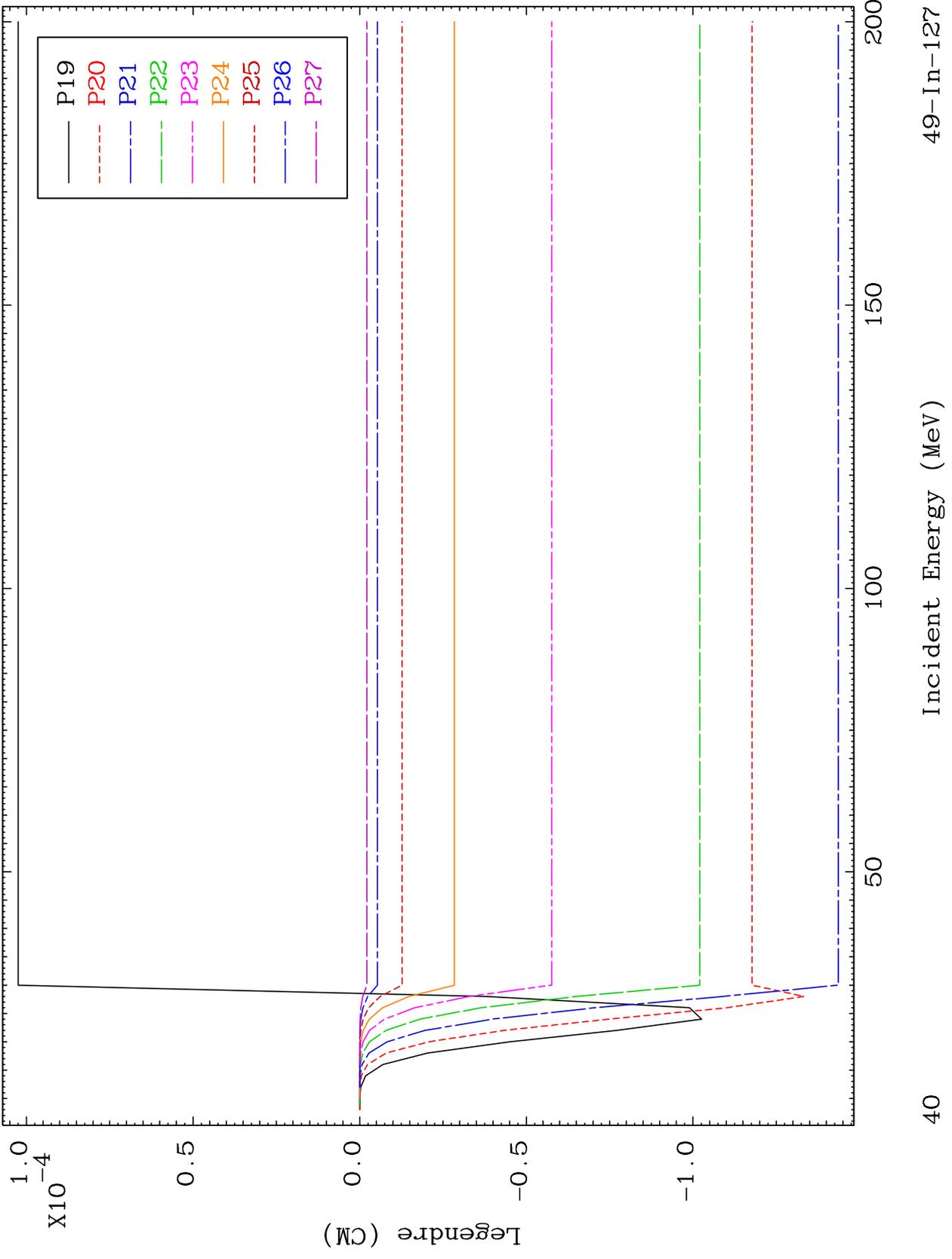
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MAT 4967

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

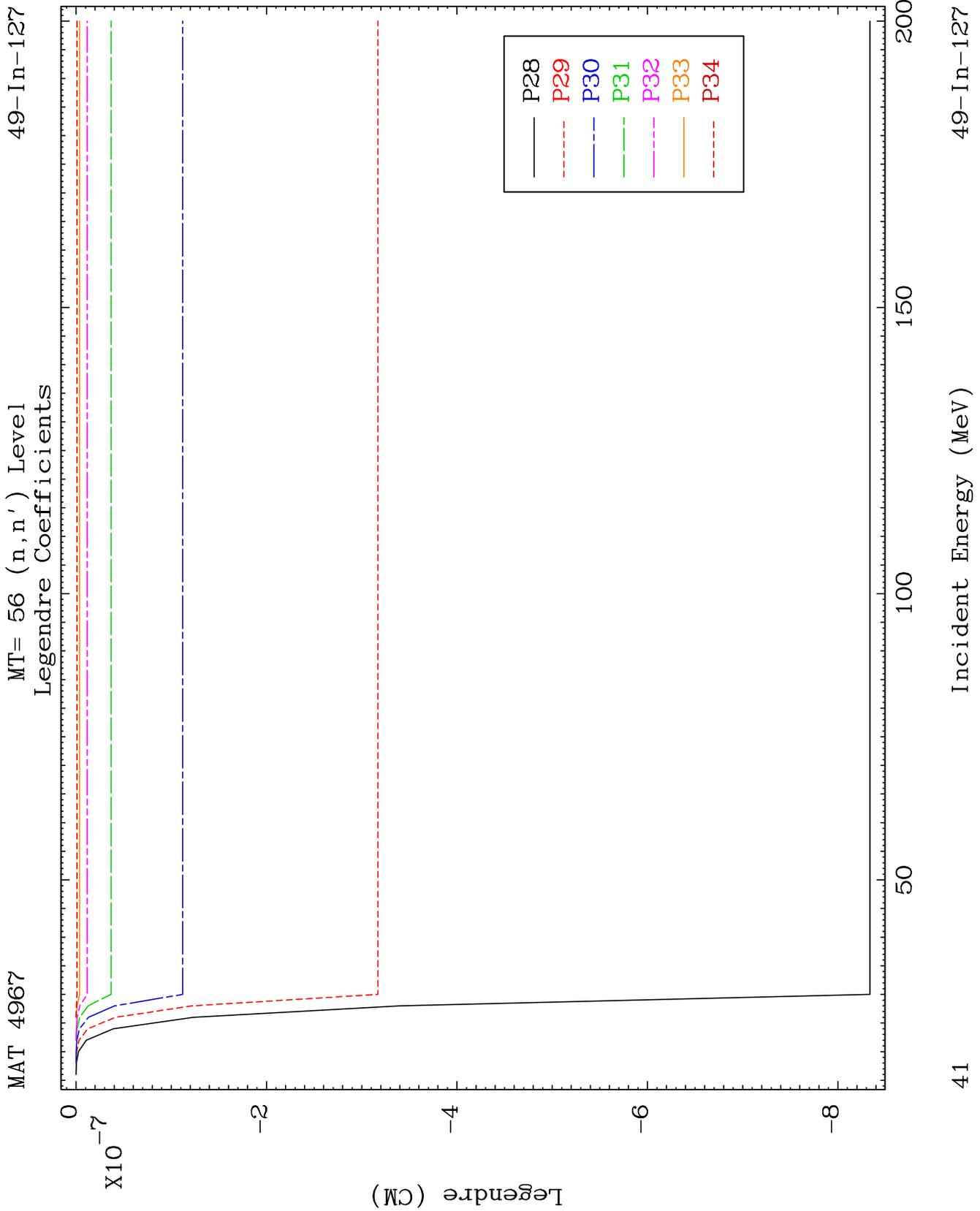
49-In-127



40

Incident Energy (MeV)

49-In-127

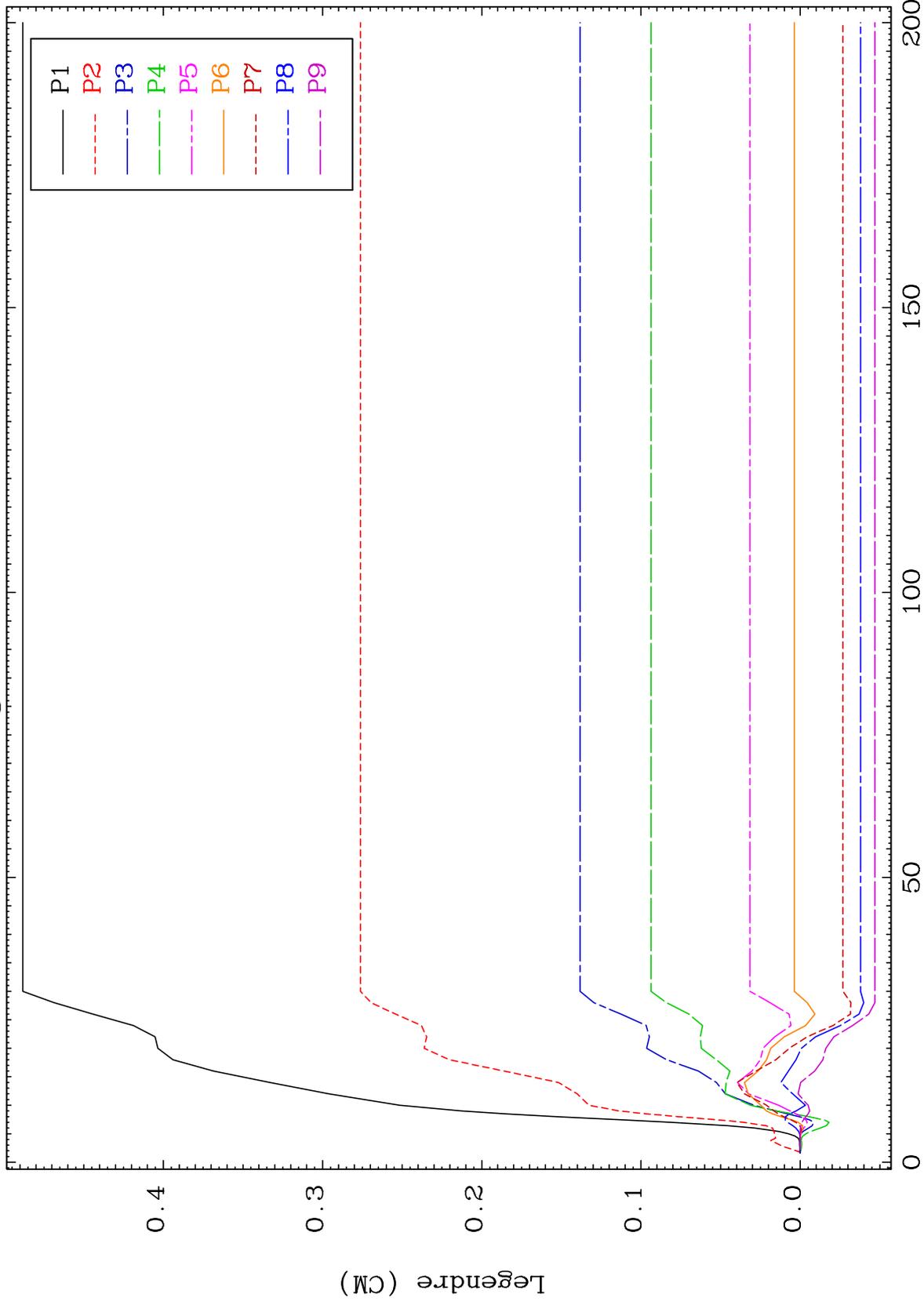


MAT 4967

MT= 57 (n,n') Level

49-In-127

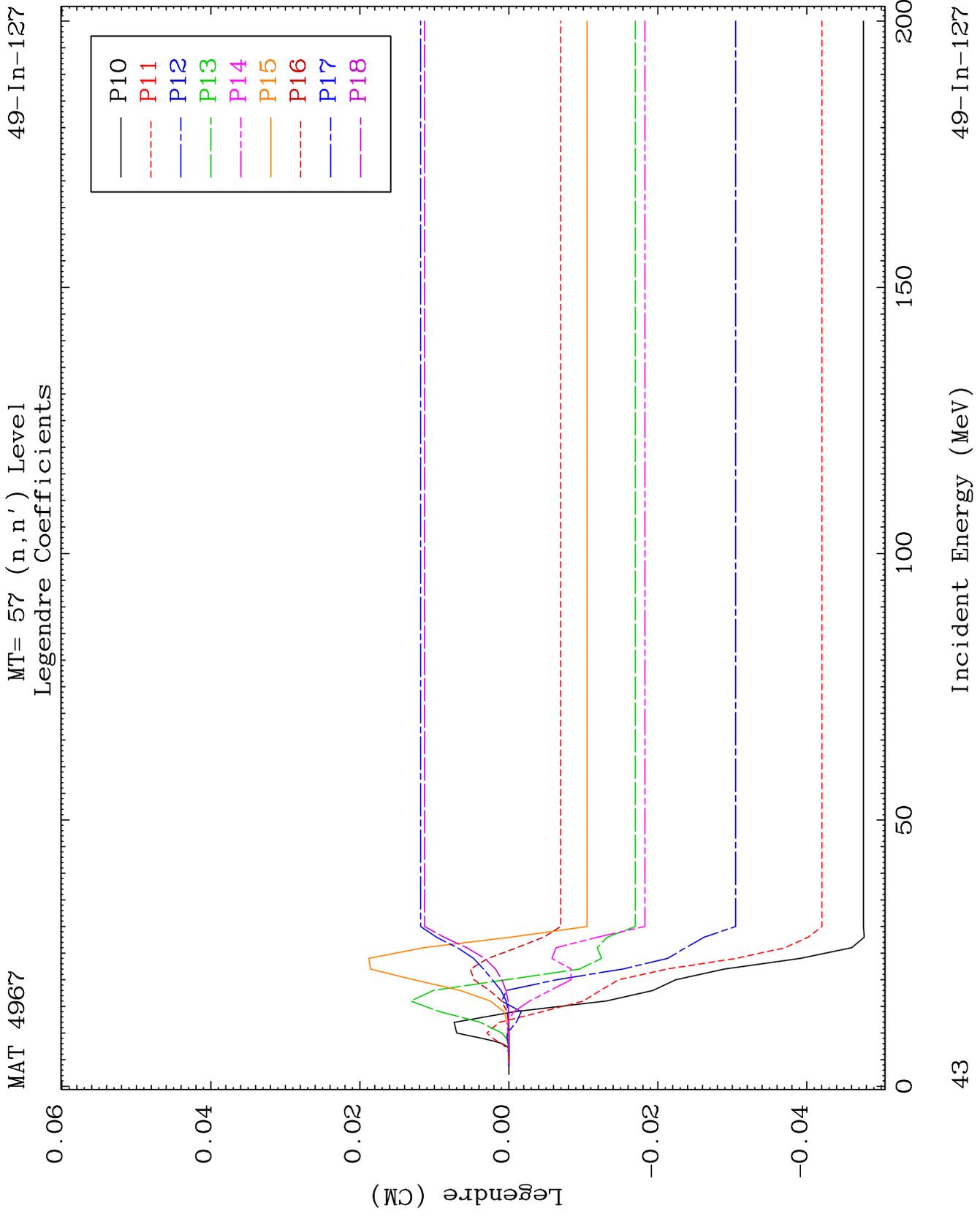
Legendre Coefficients



42

Incident Energy (MeV)

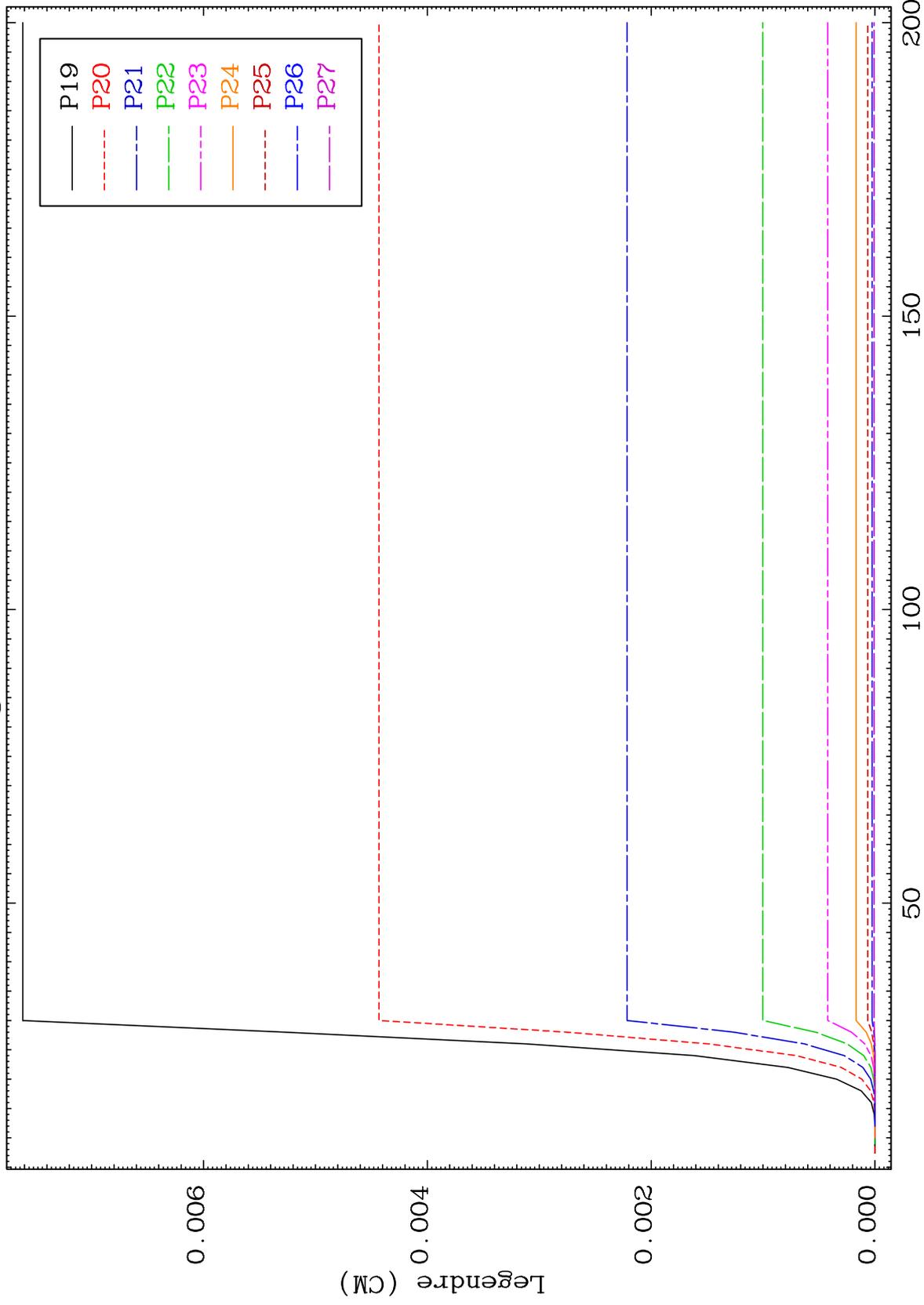
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MAT 4967

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

49-In-127



44

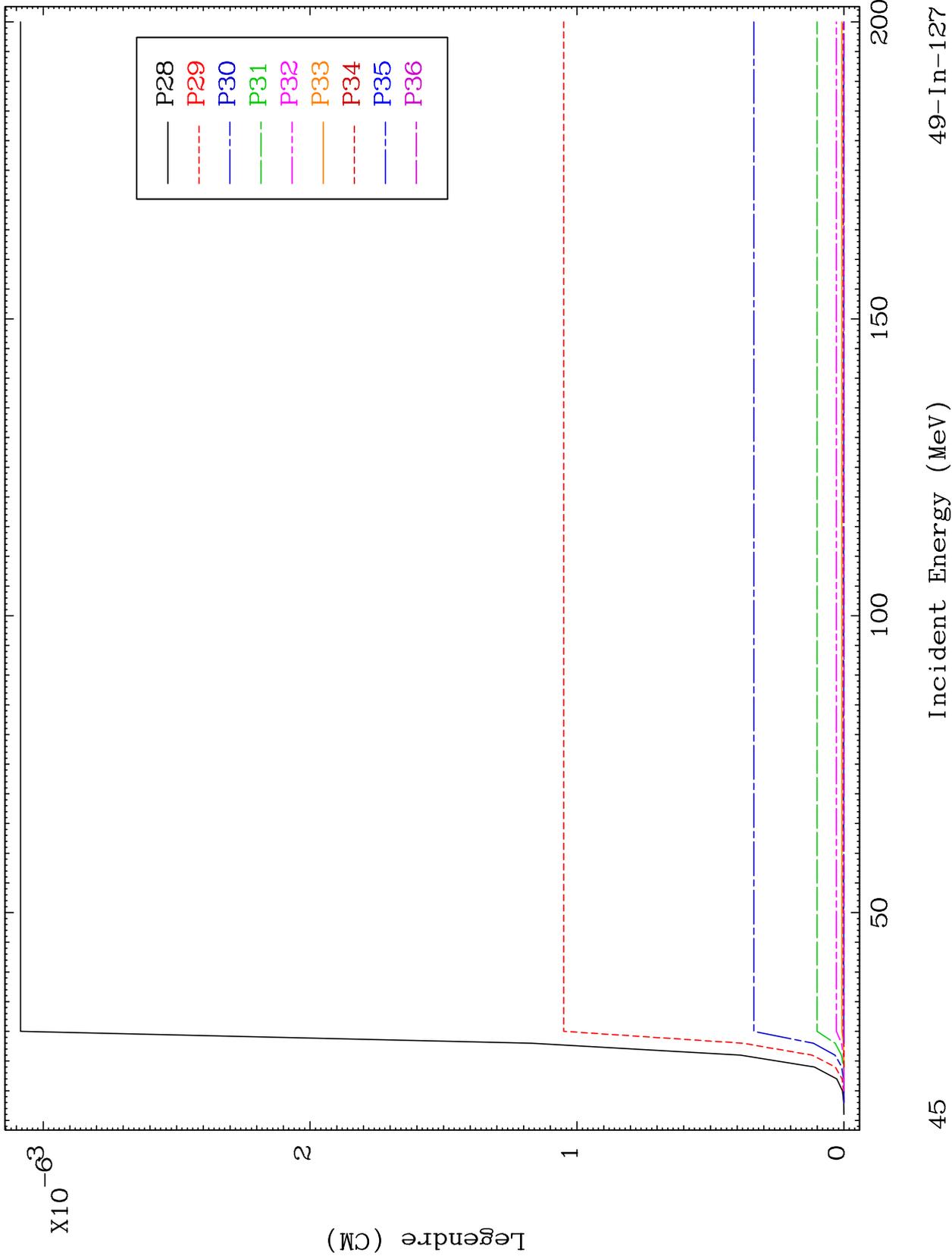
Incident Energy (MeV)

49-In-127

MAT 4967

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

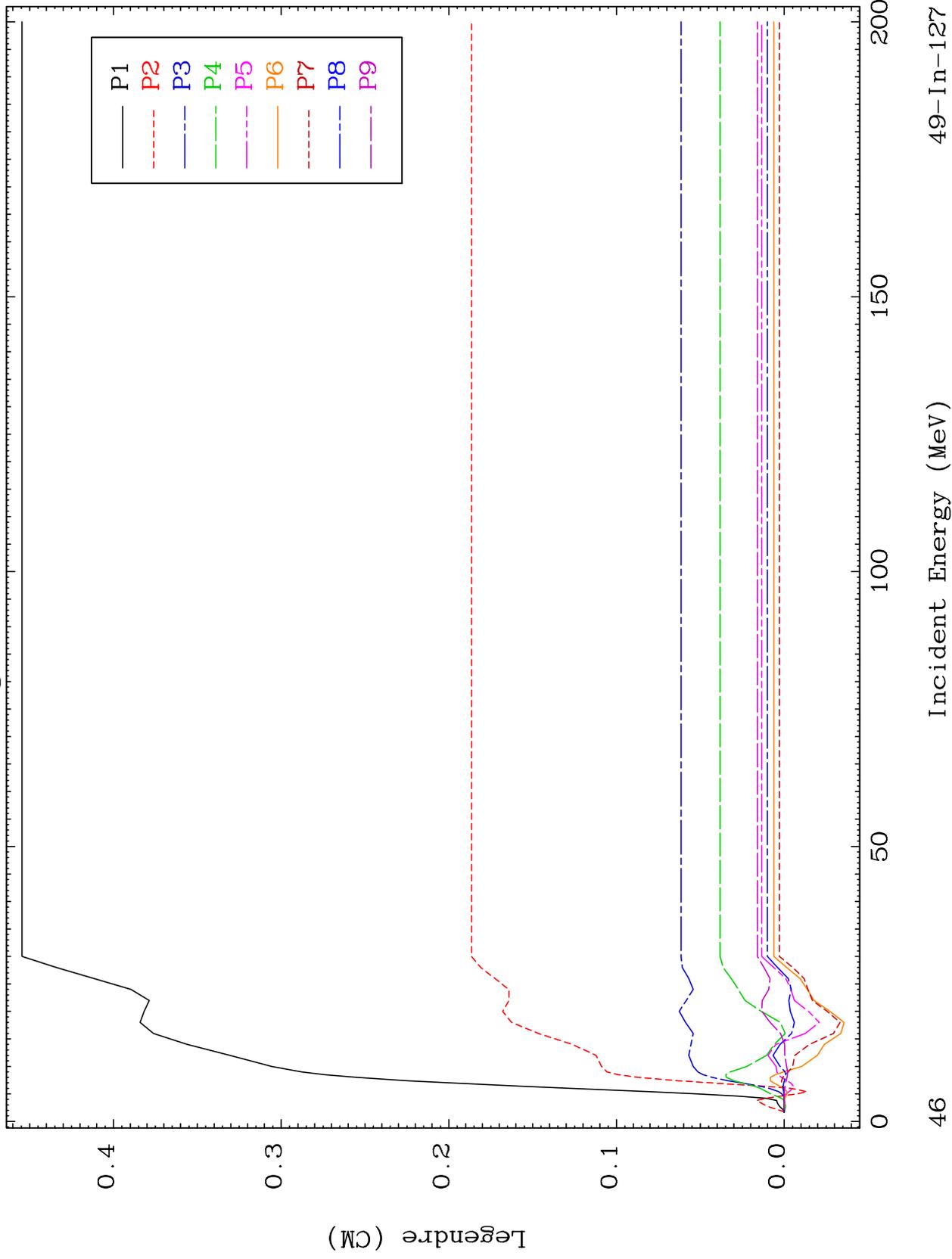
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MAT 4967

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

49-In-127



49-In-127

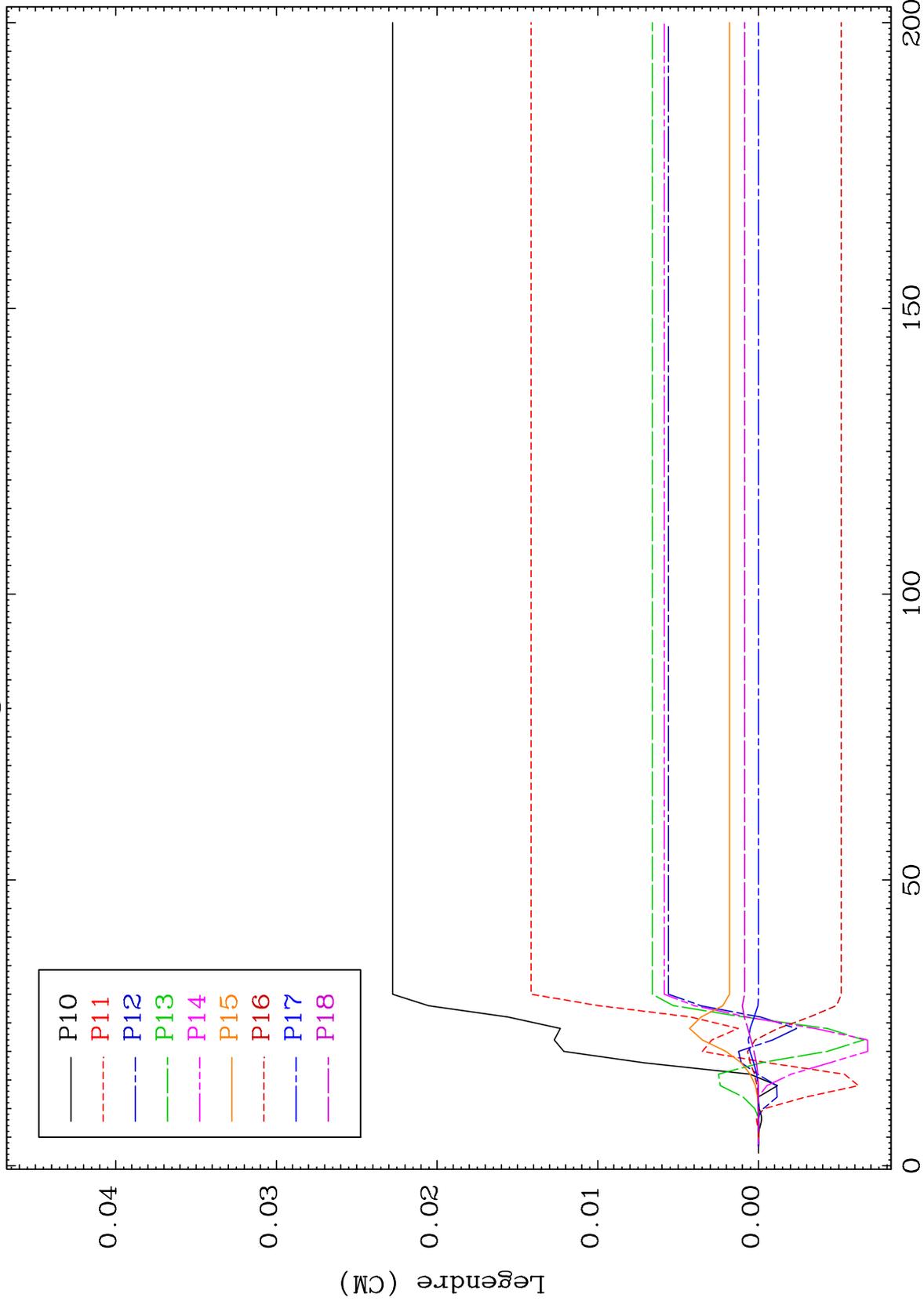
Incident Energy (MeV)

46

MAT 4967

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

49-In-127



47

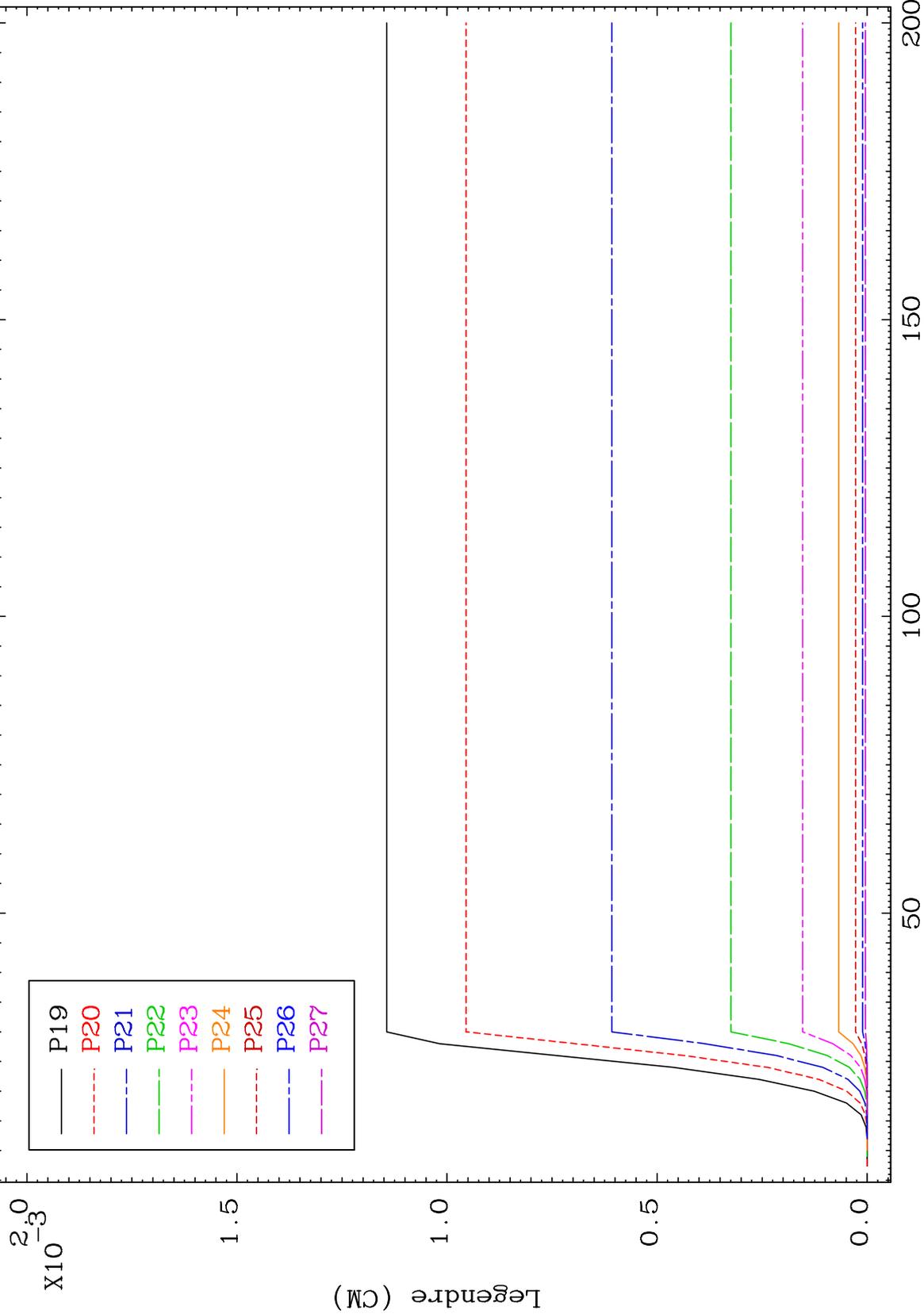
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49-In-127

MAT 4967

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

49-In-127



48

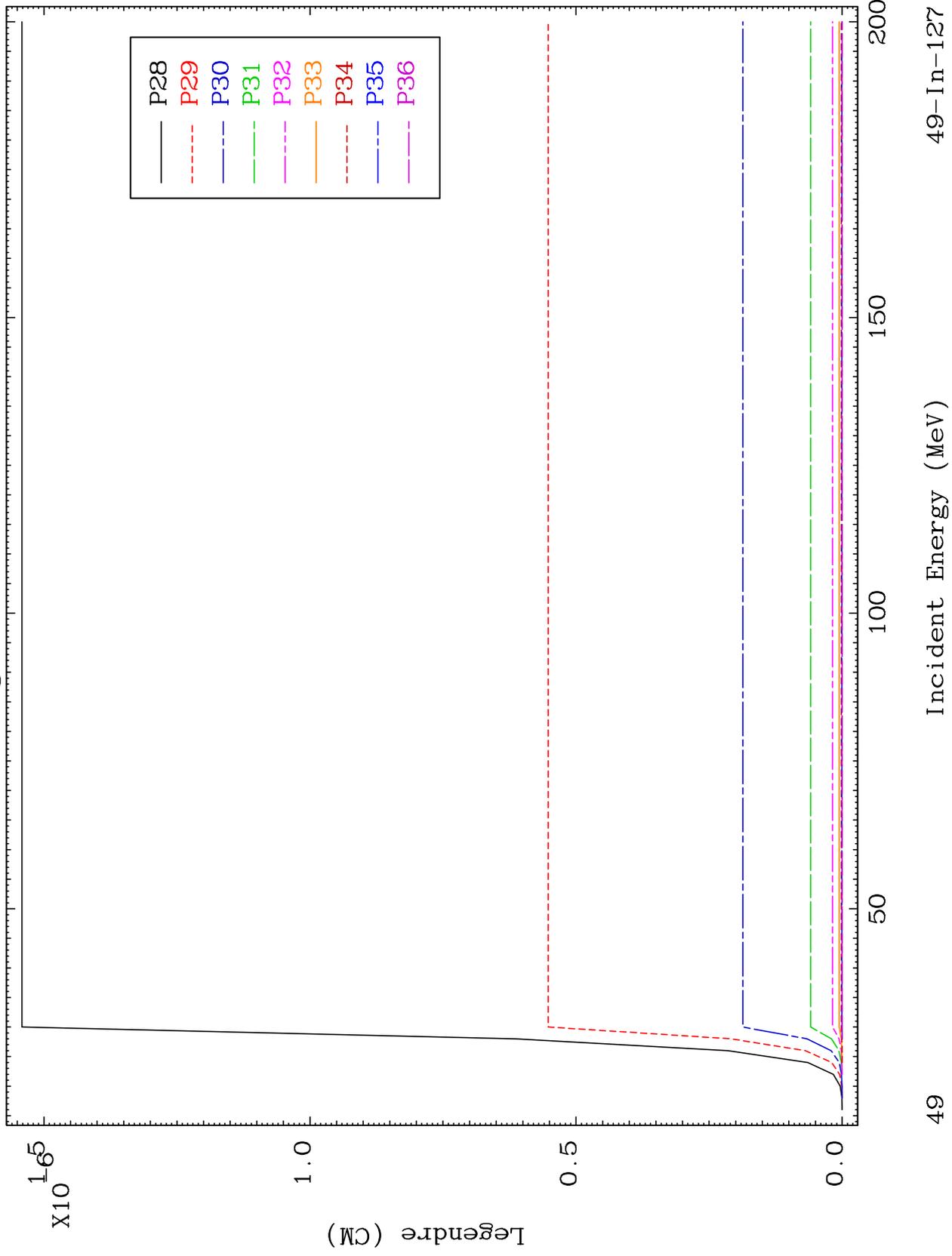
Incident Energy (MeV)

49-In-127

MAT 4967

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

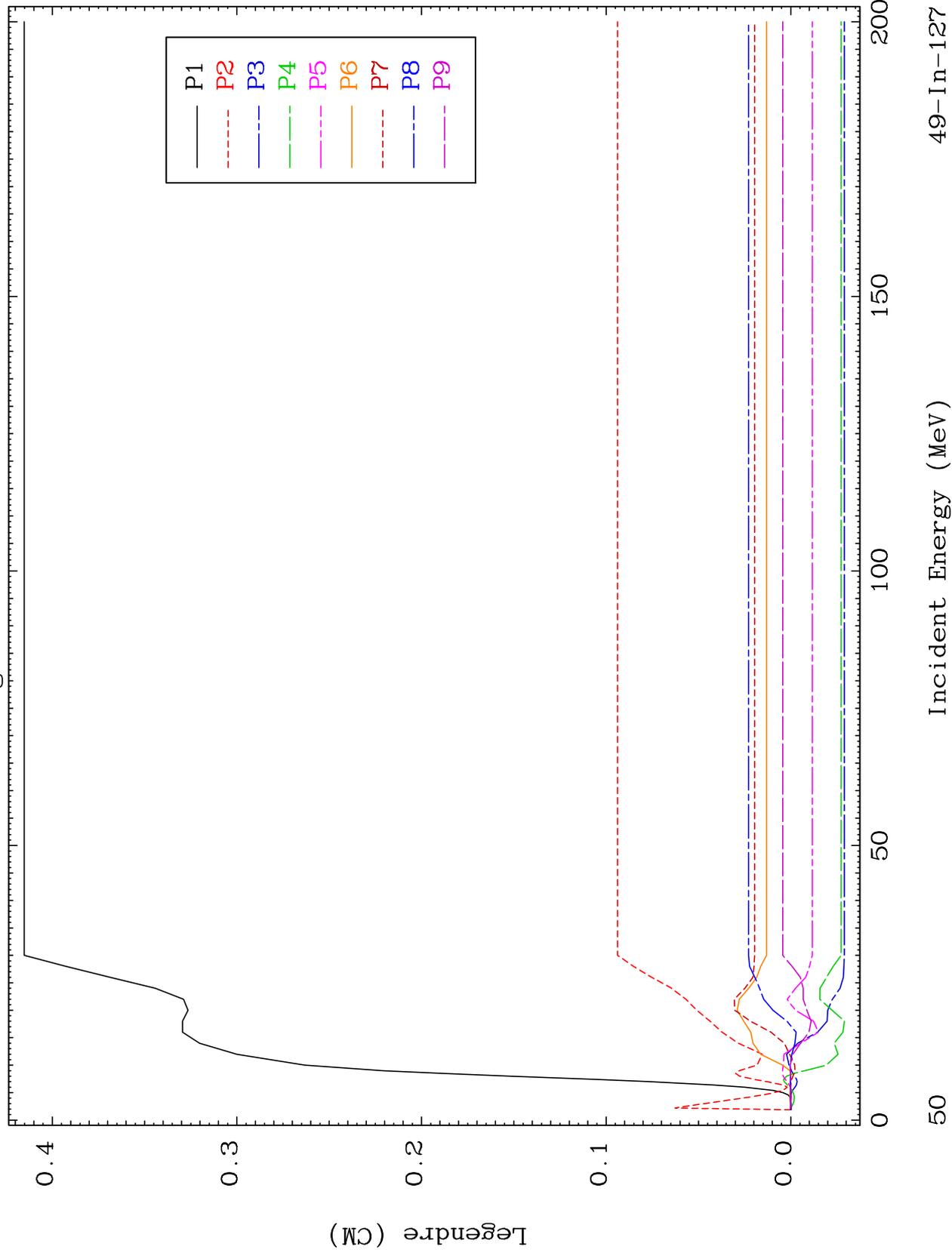
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MAT 4967

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

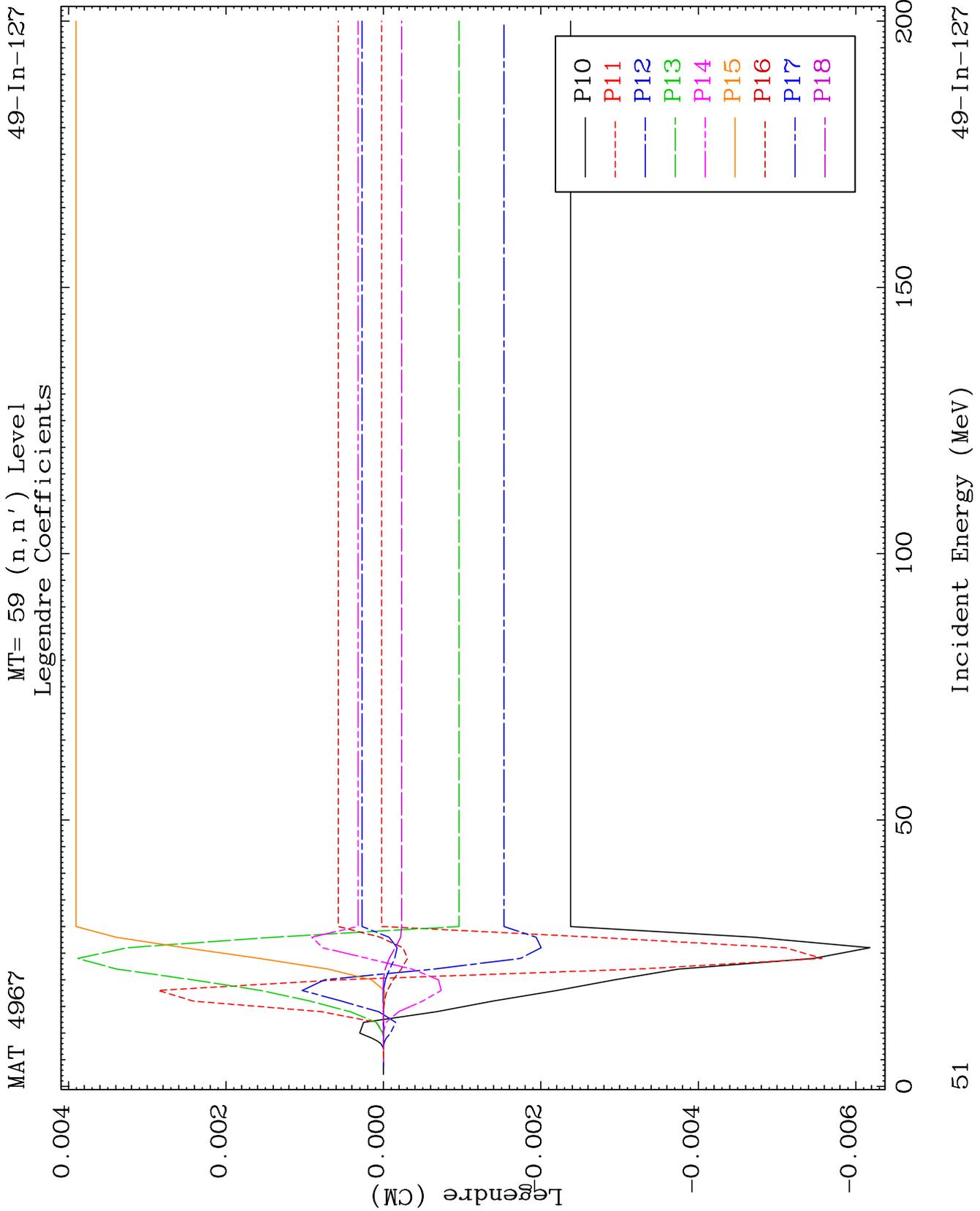
49-In-127



49-In-127

Incident Energy (MeV)

50

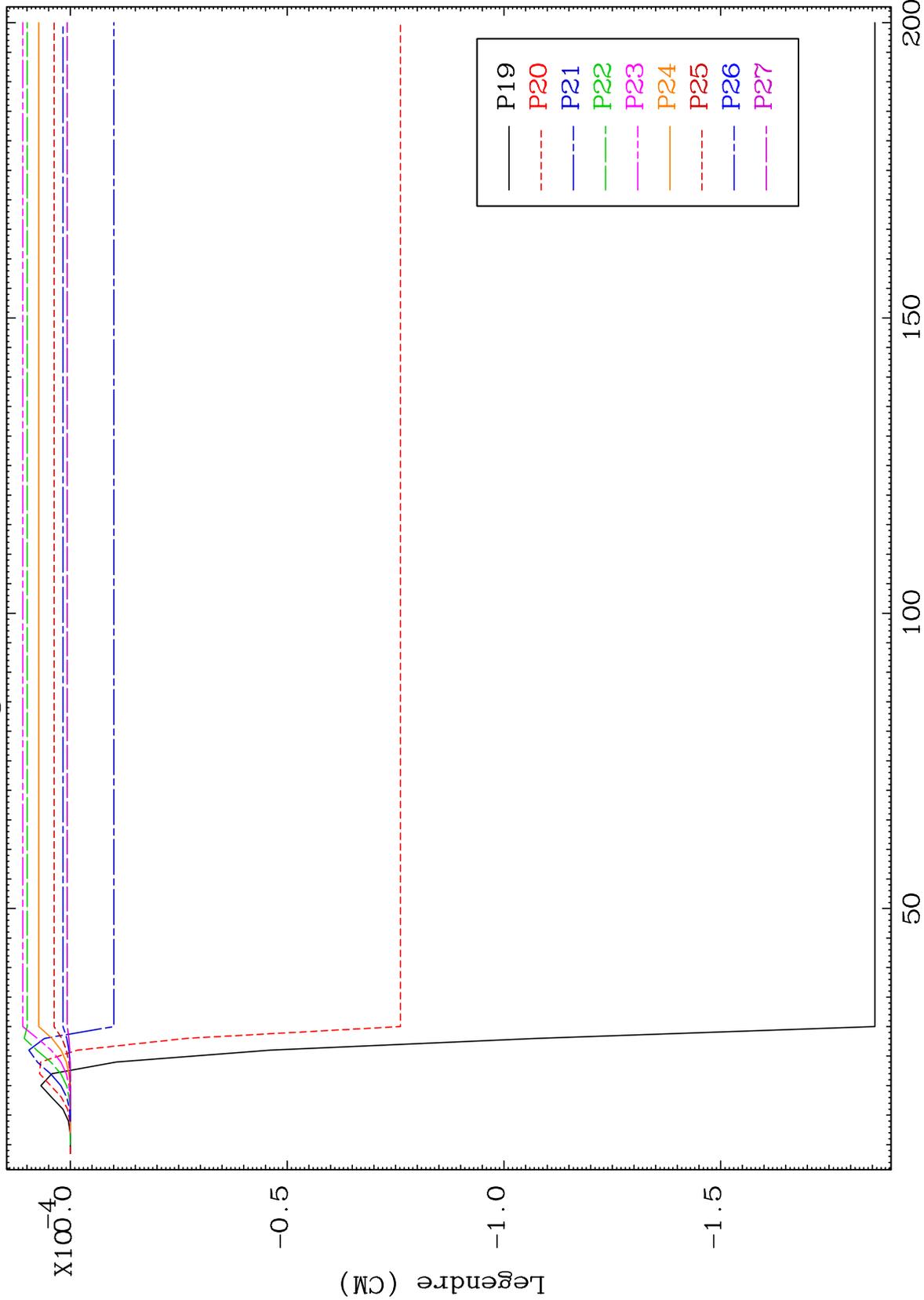


MAT 4967

MT= 59 (n,n') Level

49-In-127

Legendre Coefficients



52

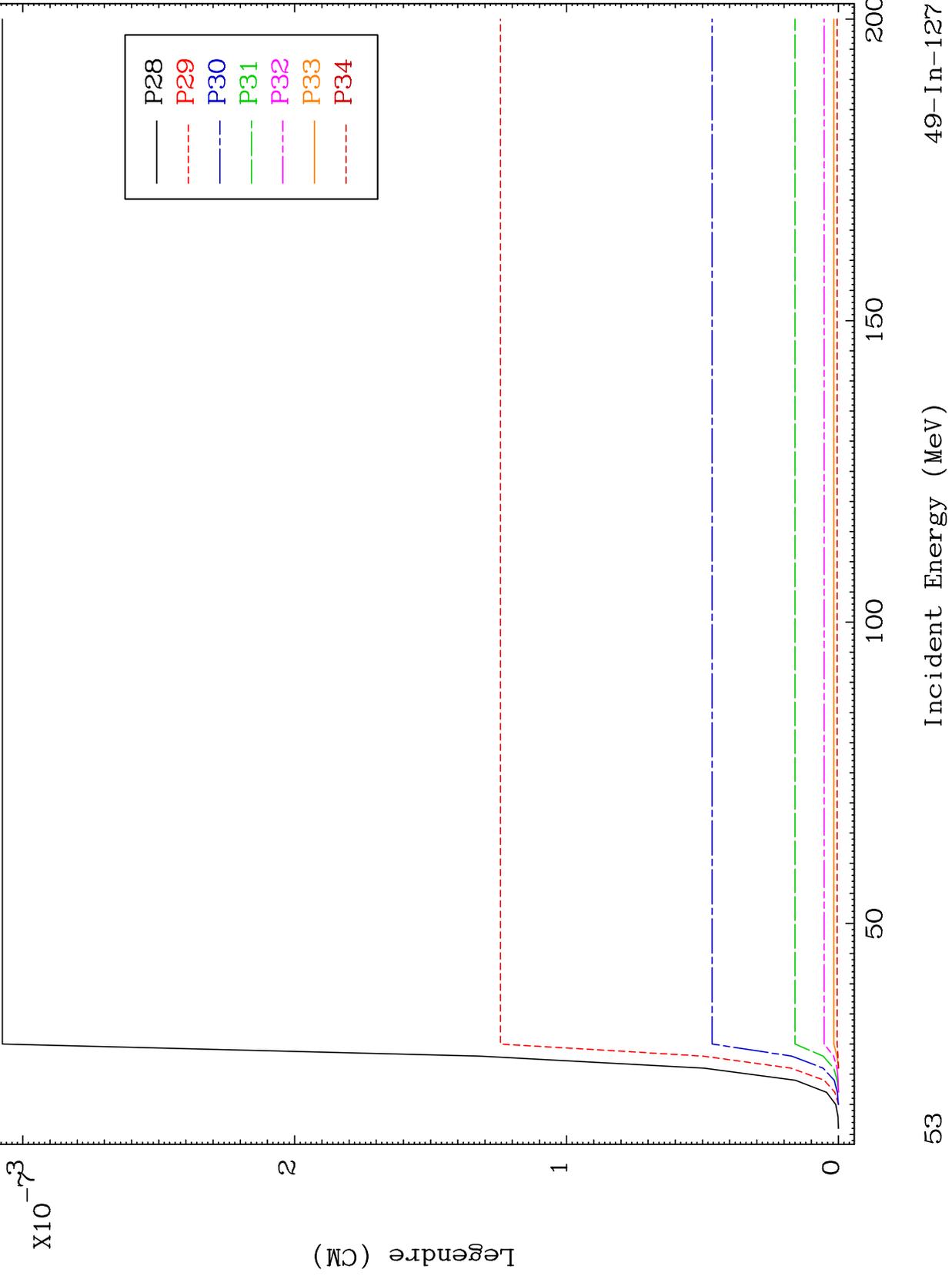
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



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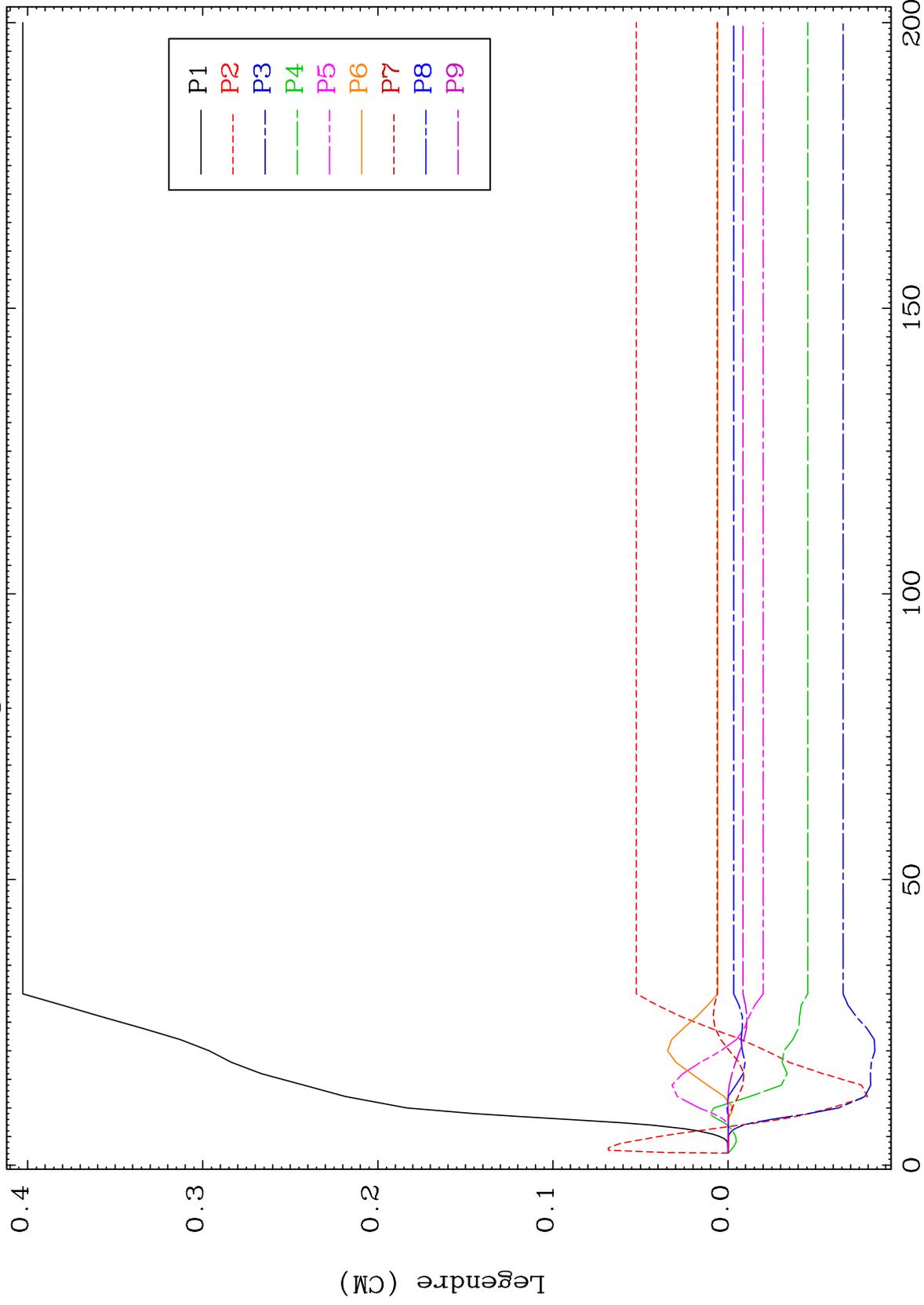
Incident Energy (MeV)

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MAT 4967

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

49-In-127



54

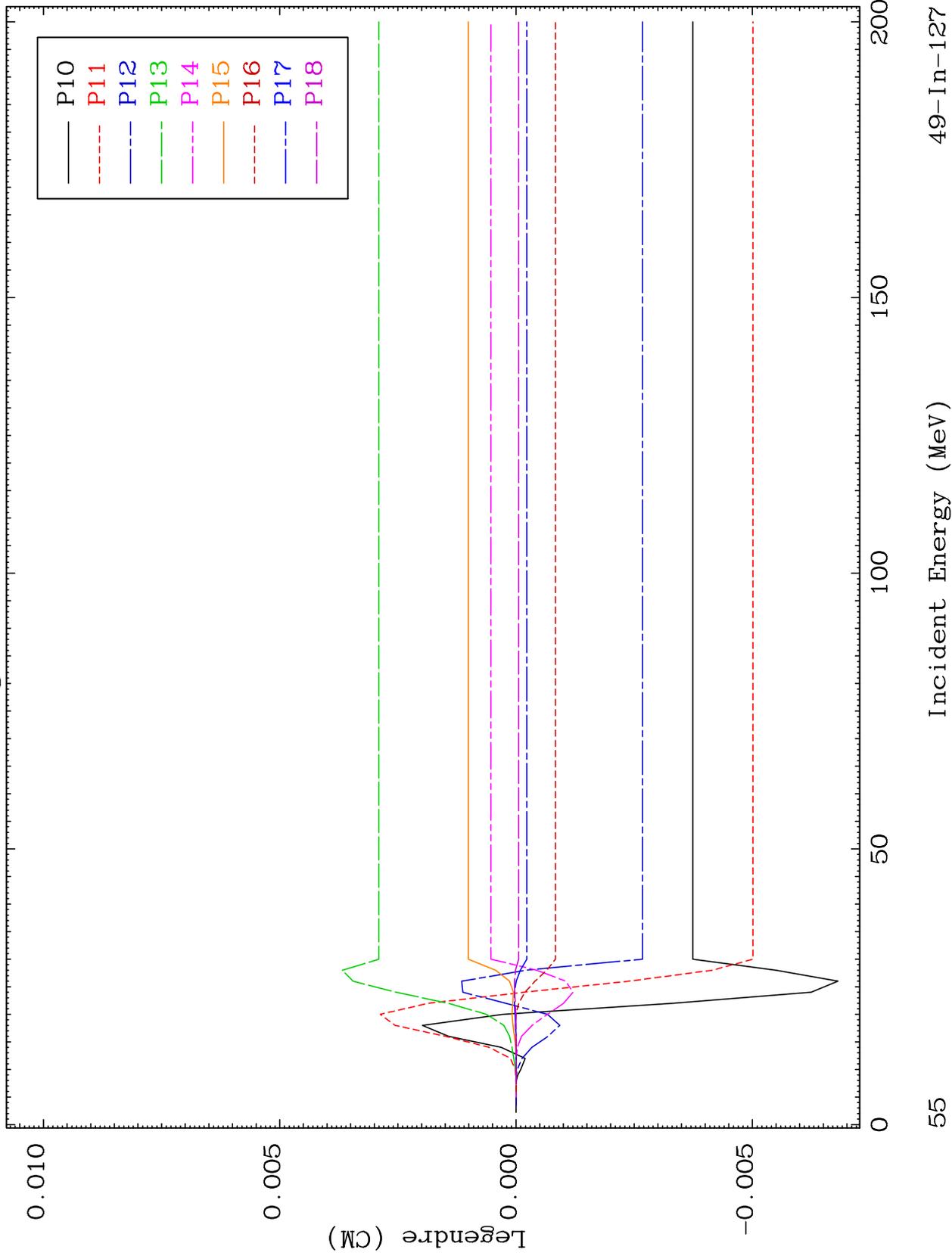
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49-In-127

MAT 4967

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

49-In-127



49-In-127

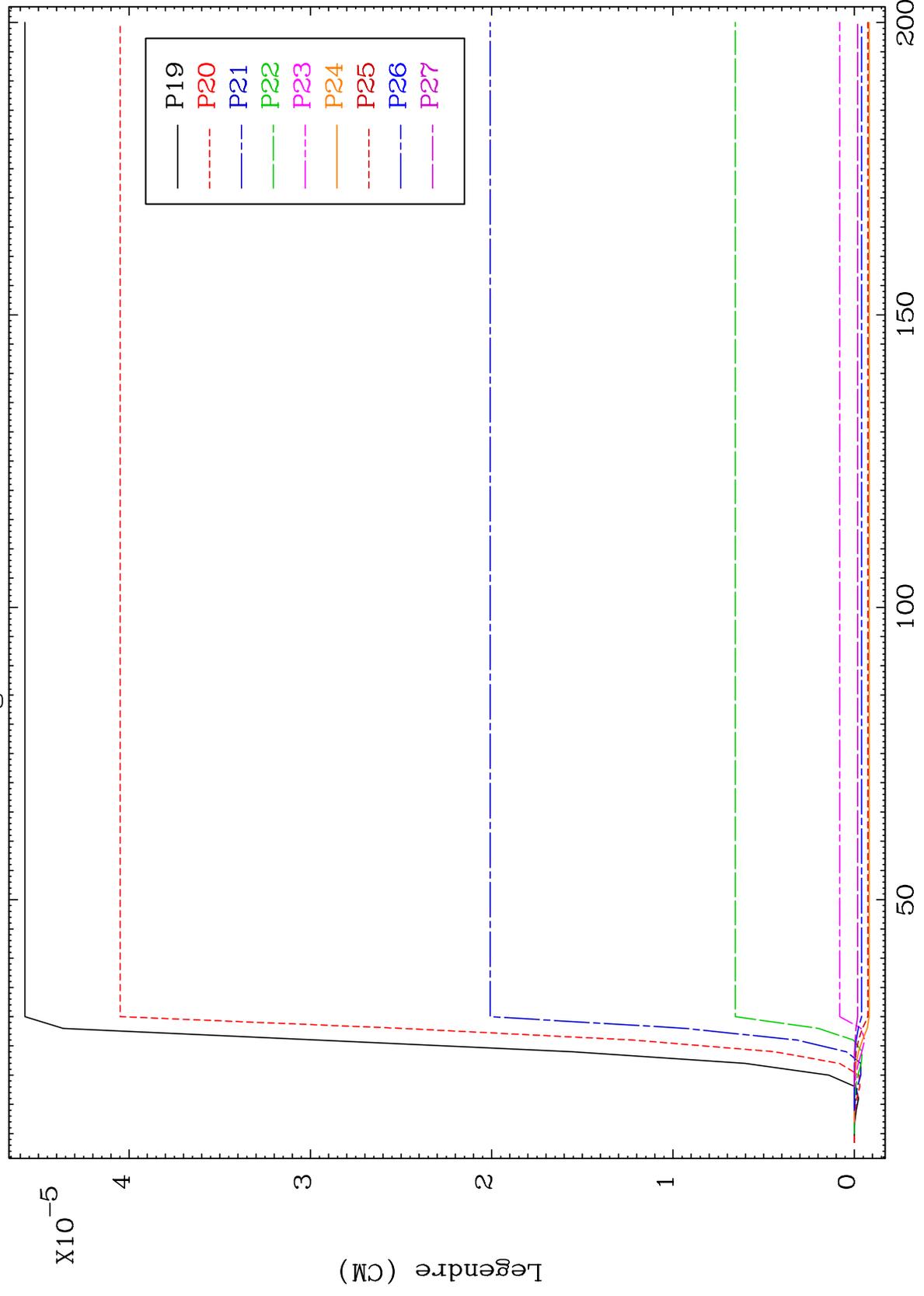
Incident Energy (MeV)

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MAT 4967

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

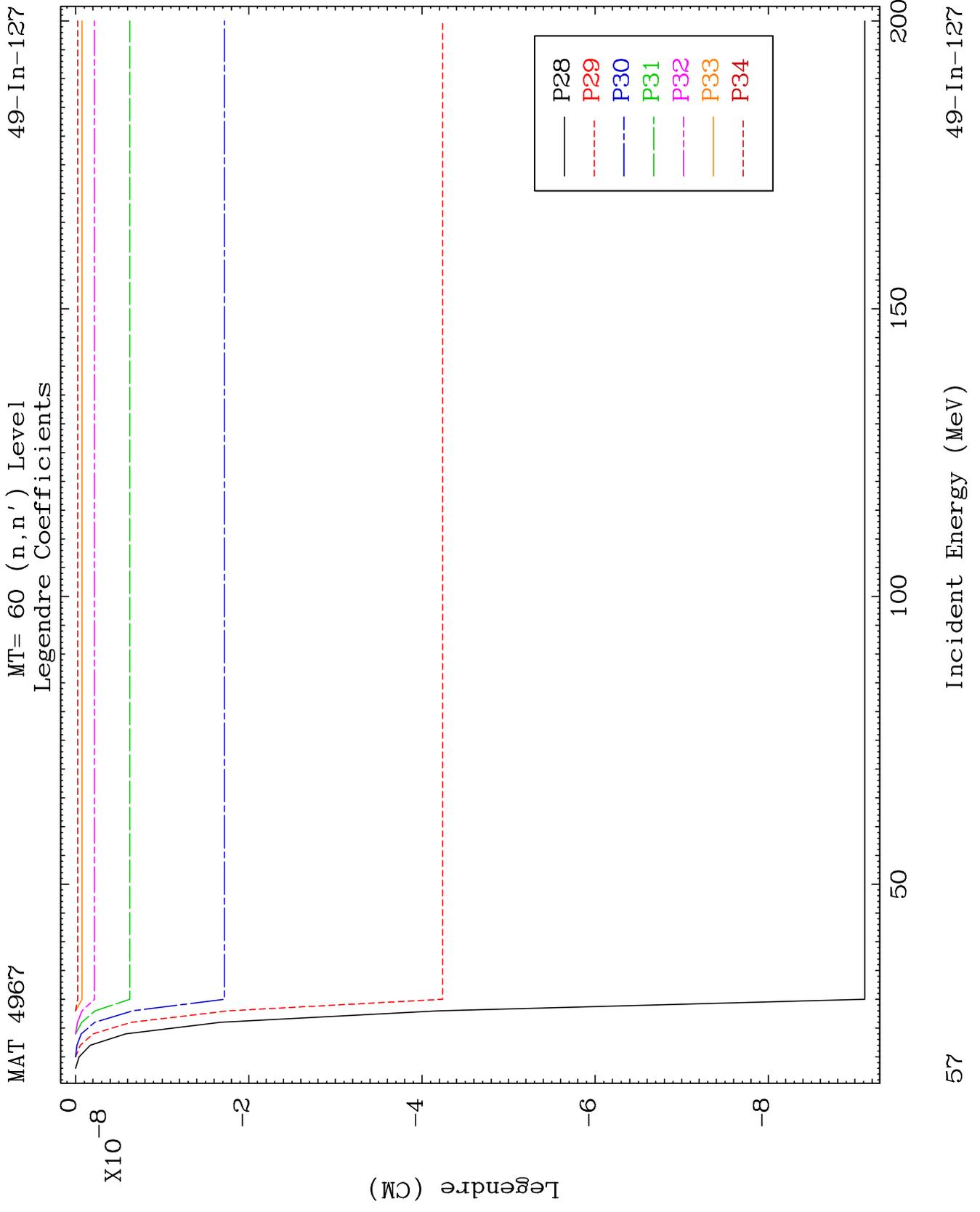
49-In-127



56

Incident Energy (MeV)

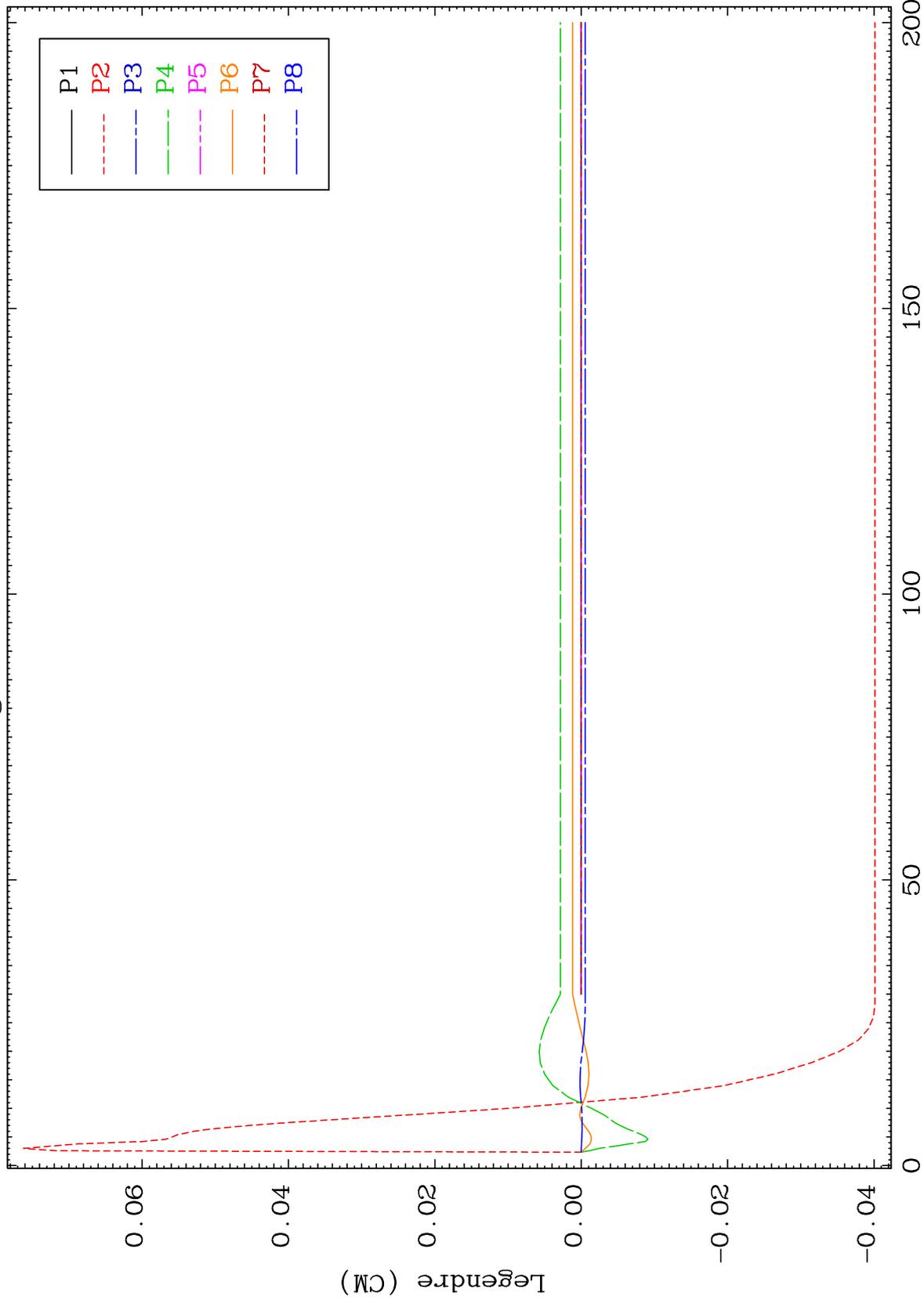
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MAT 4967

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

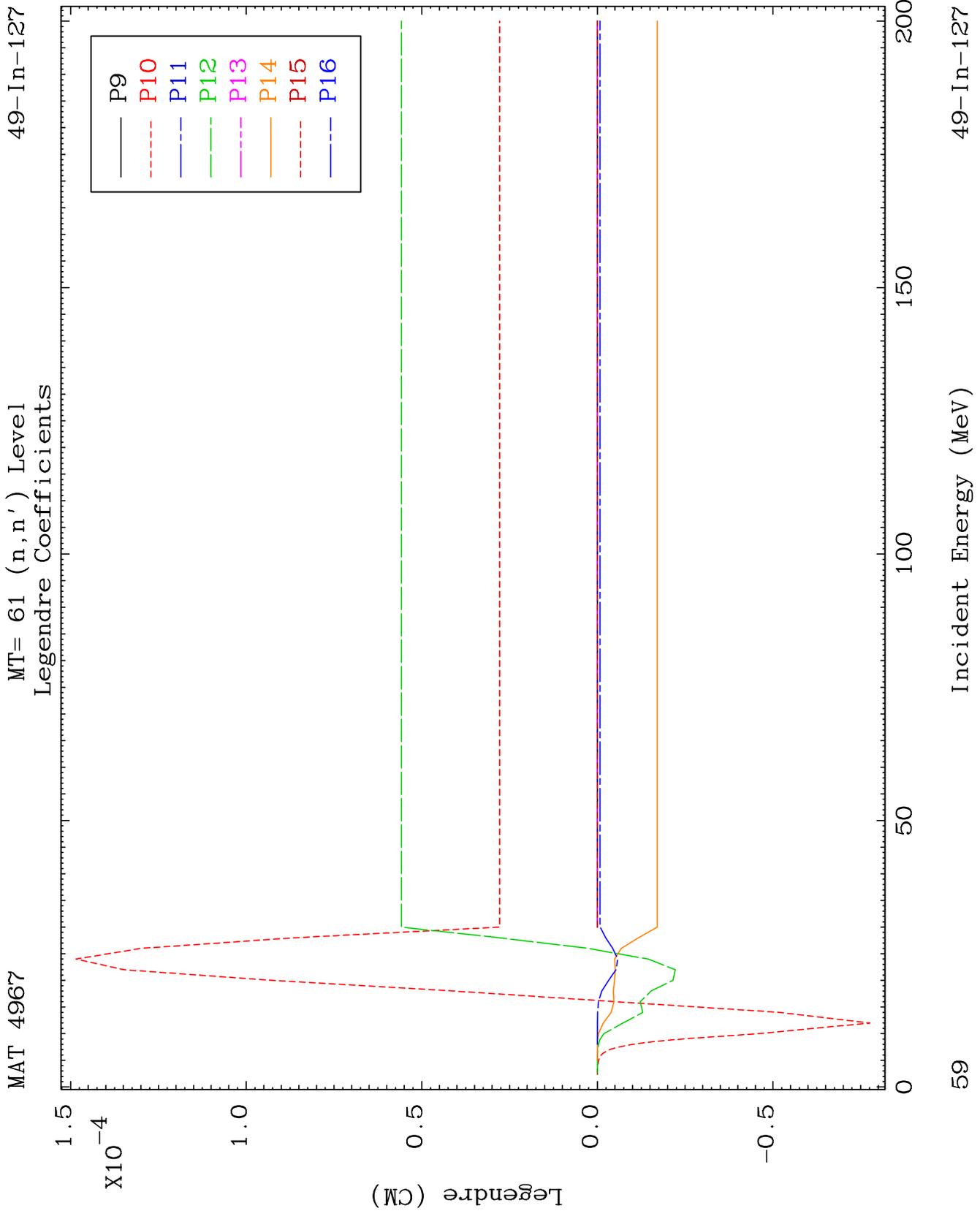
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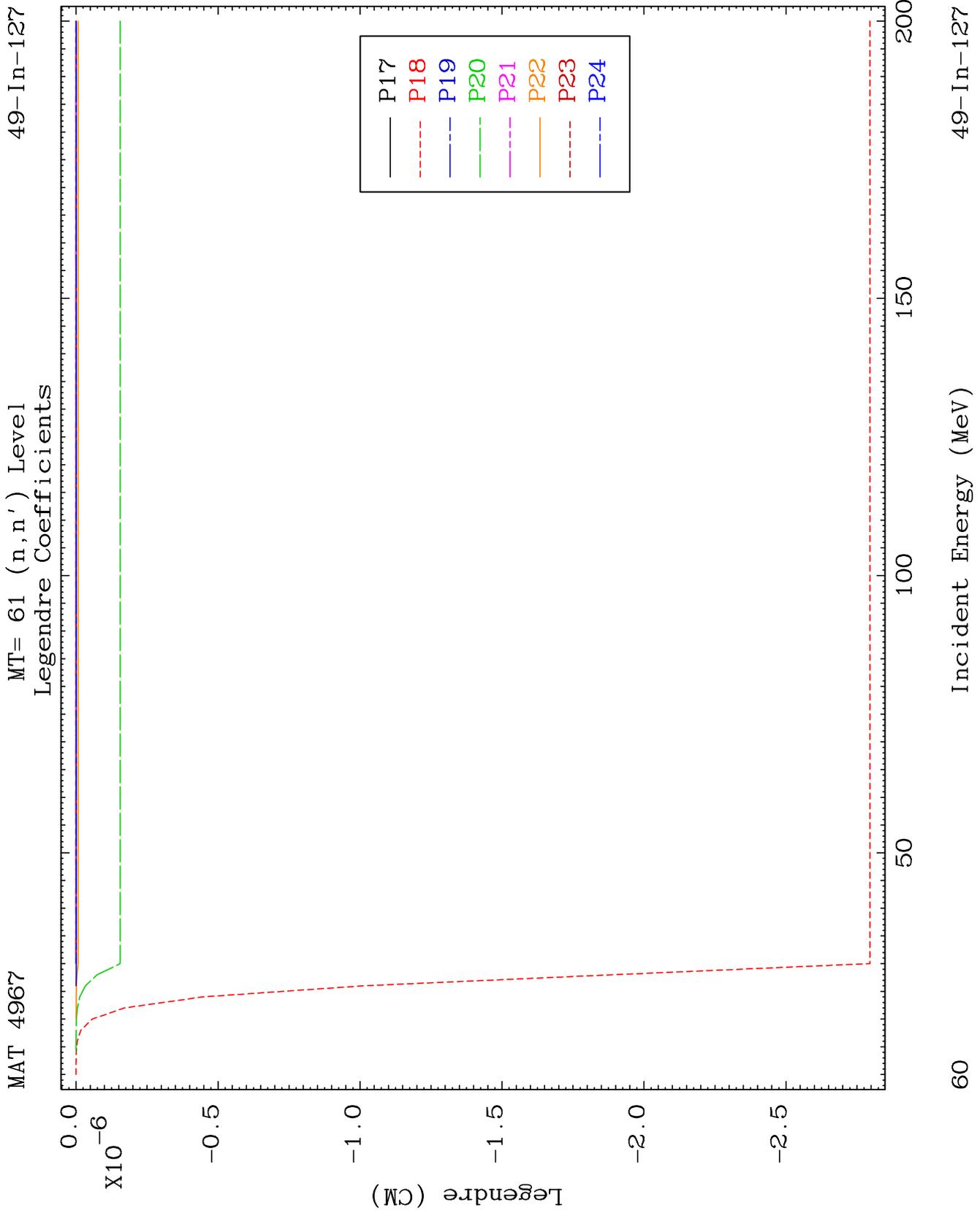


58

Incident Energy (MeV)

49-In-127



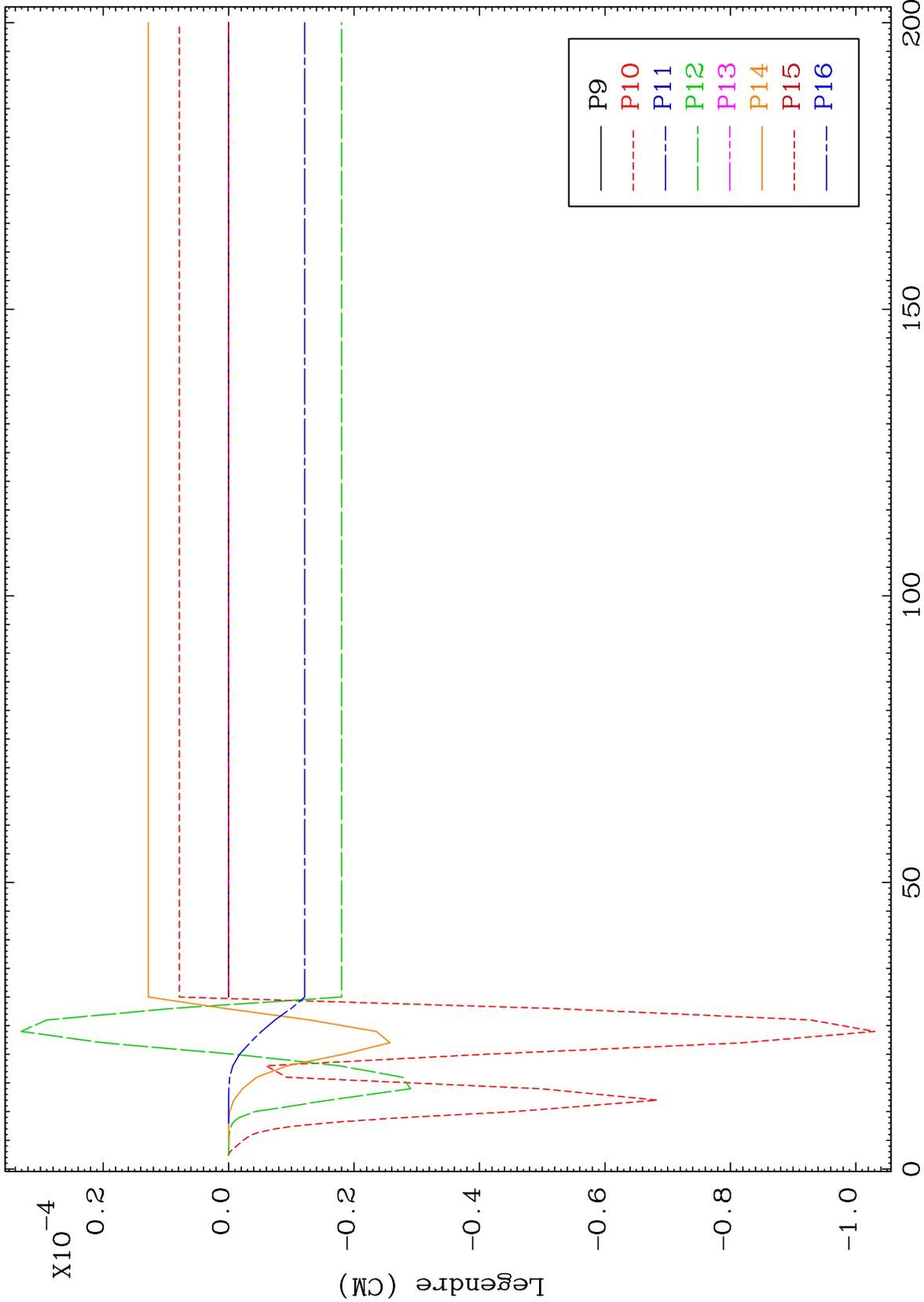




MAT 4967

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

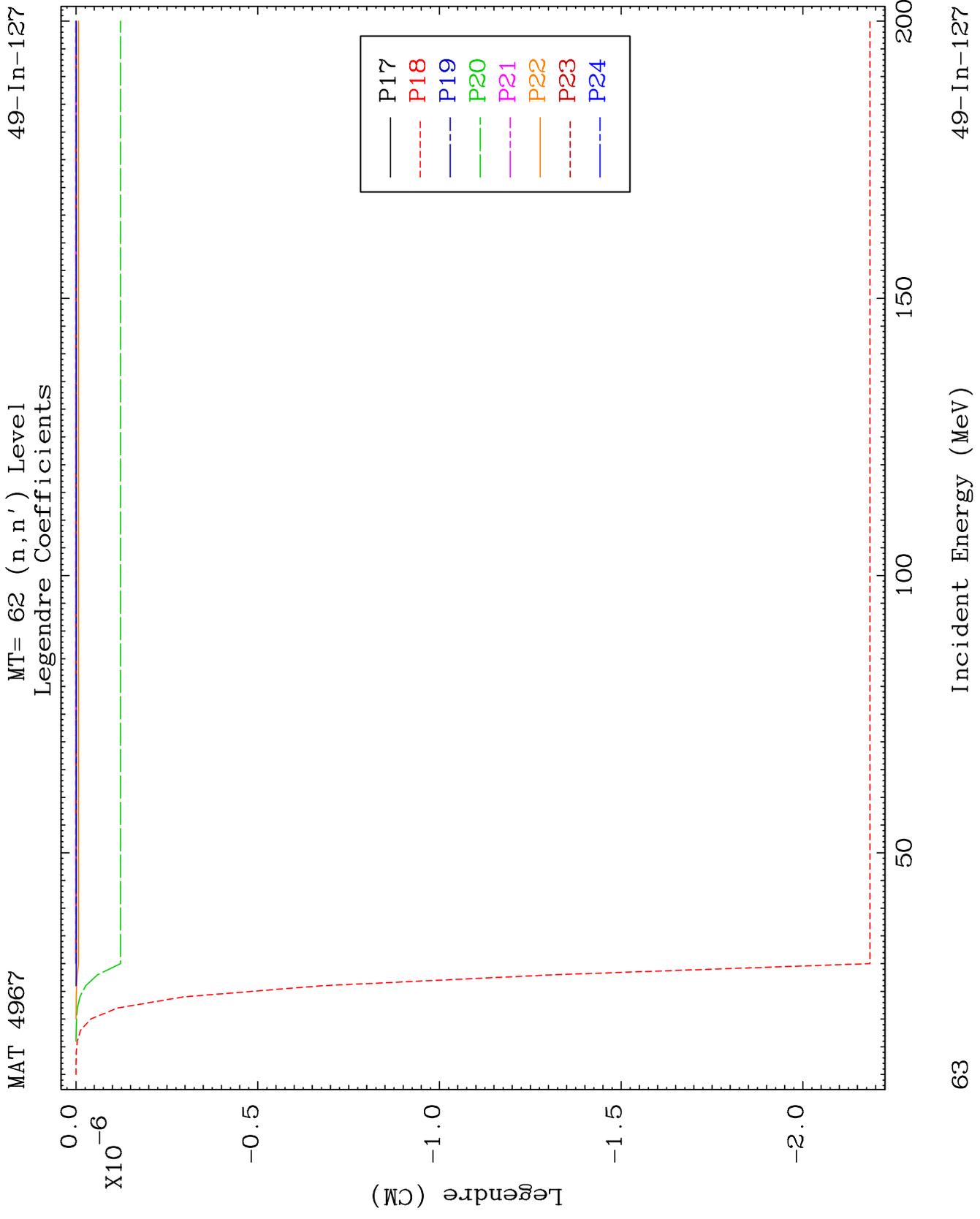
49-In-127



62

Incident Energy (MeV)

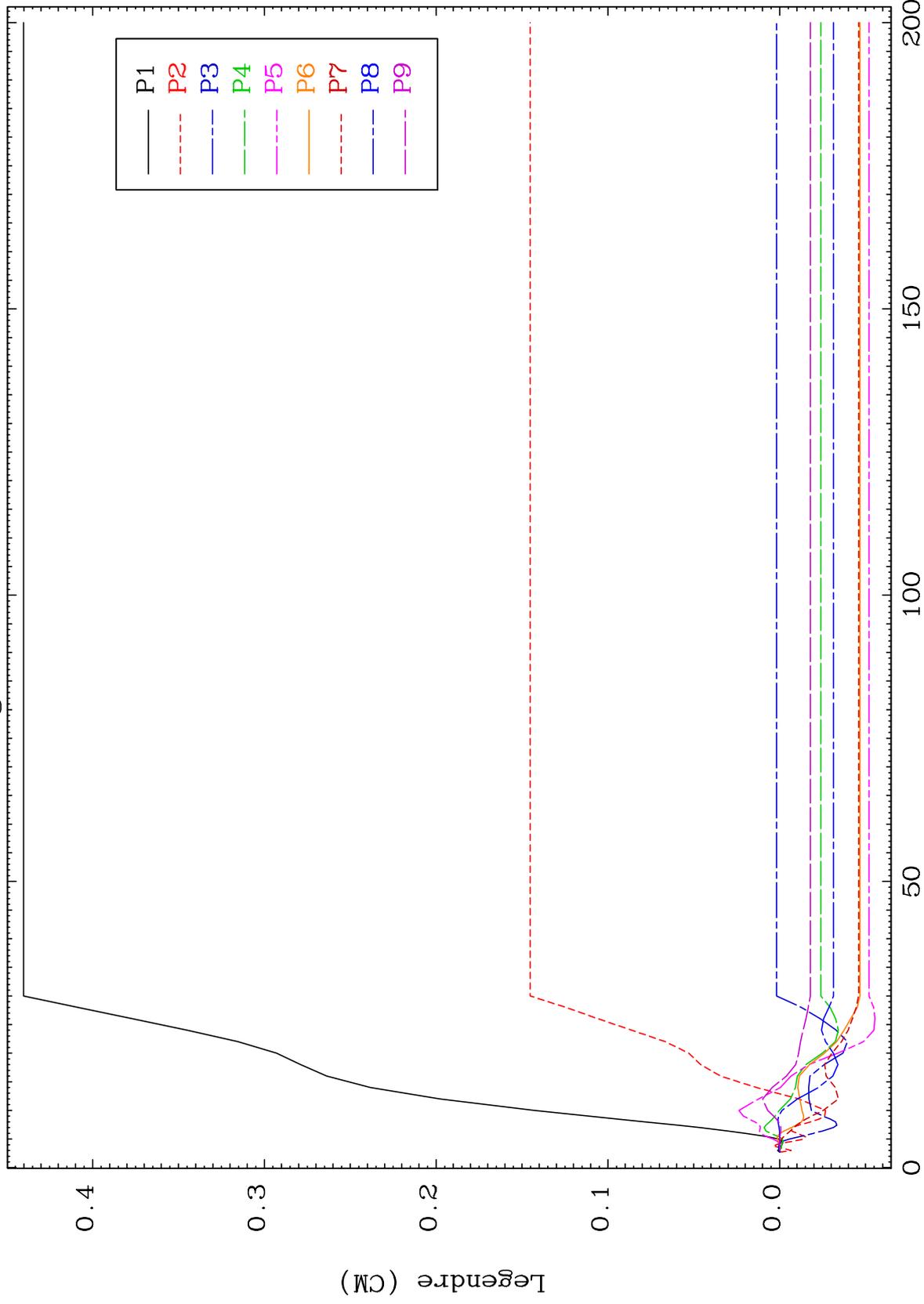
49-In-127



MAT 4967

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

49-In-127



64

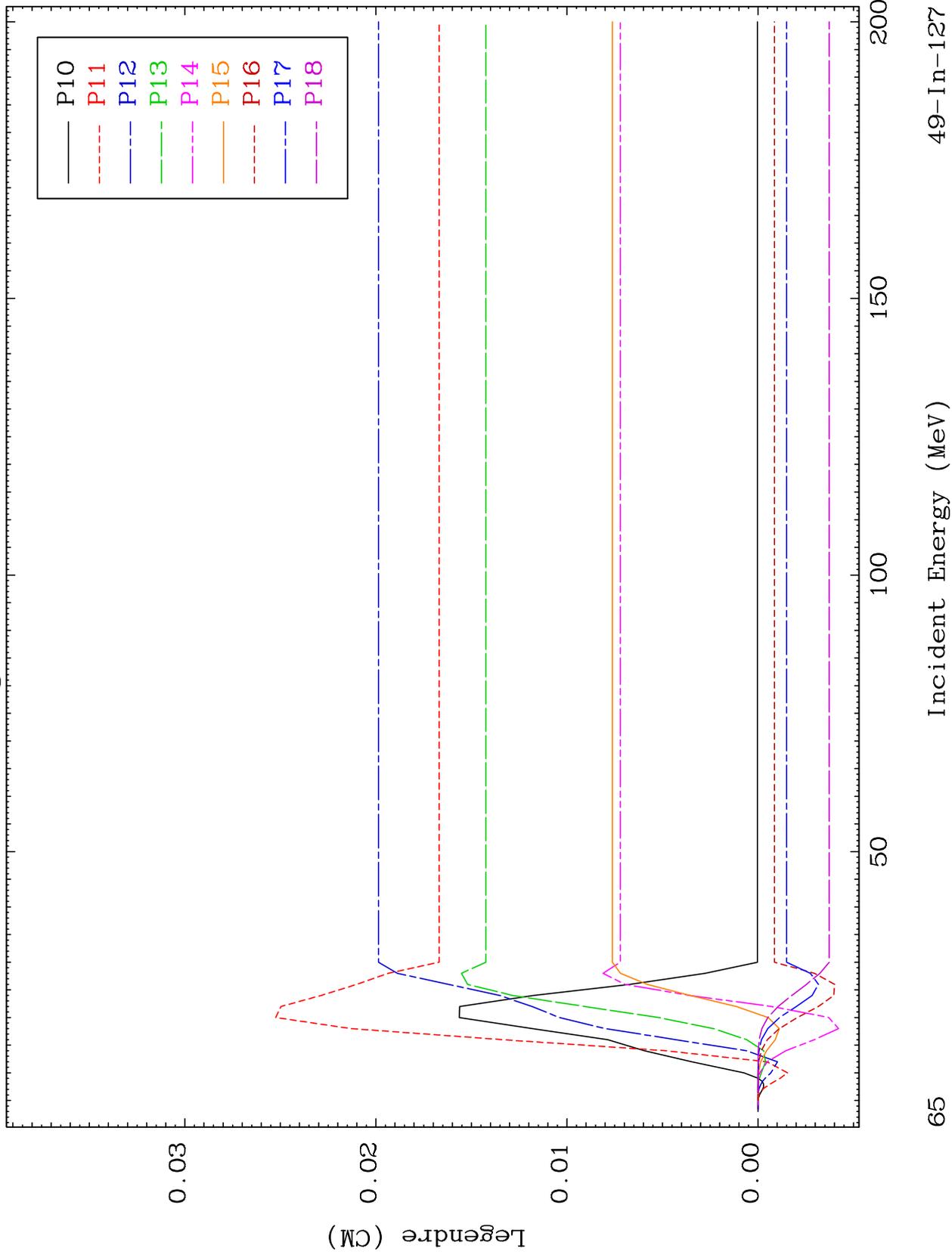
Incident Energy (MeV)

49-In-127

MAT 4967

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

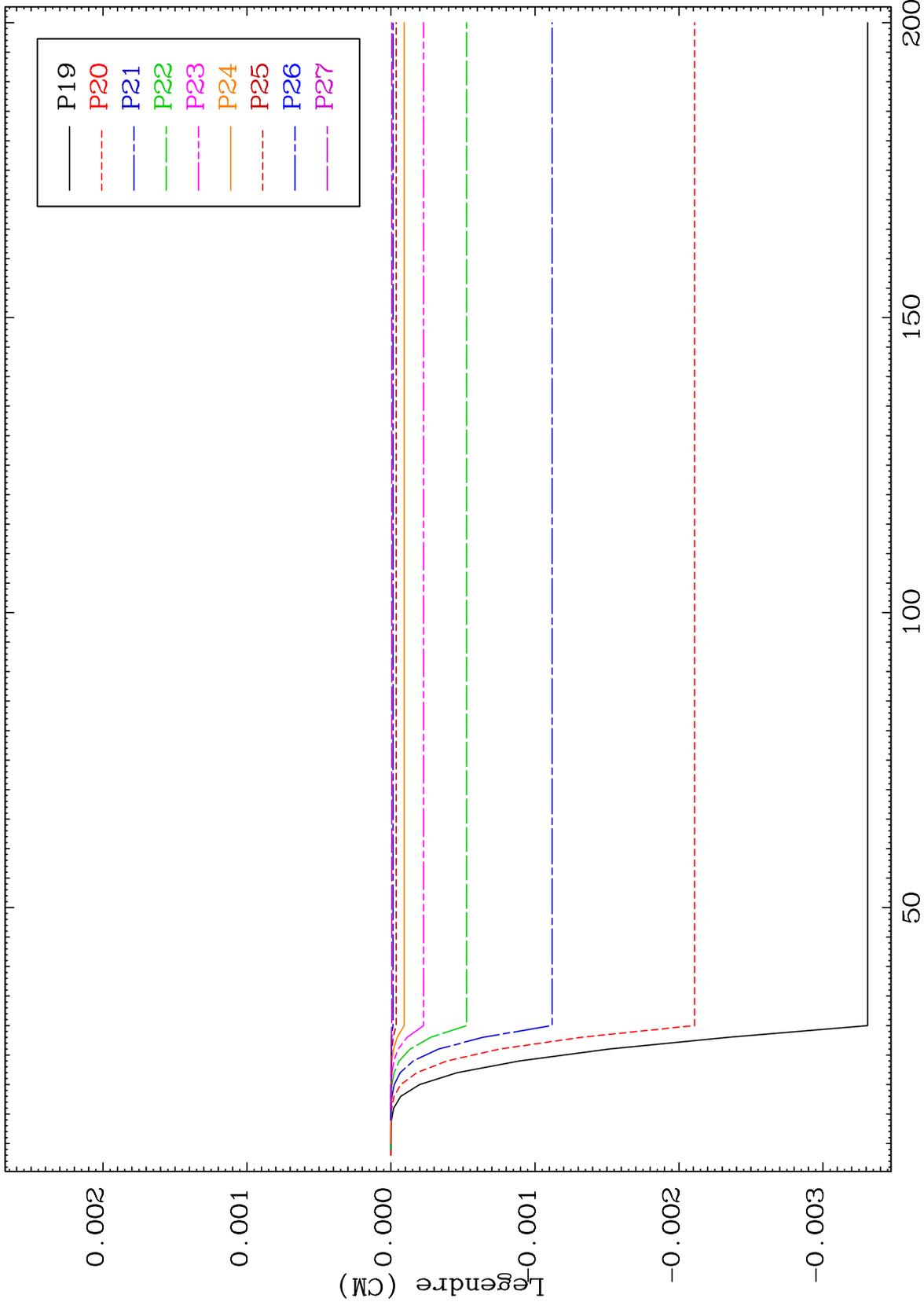
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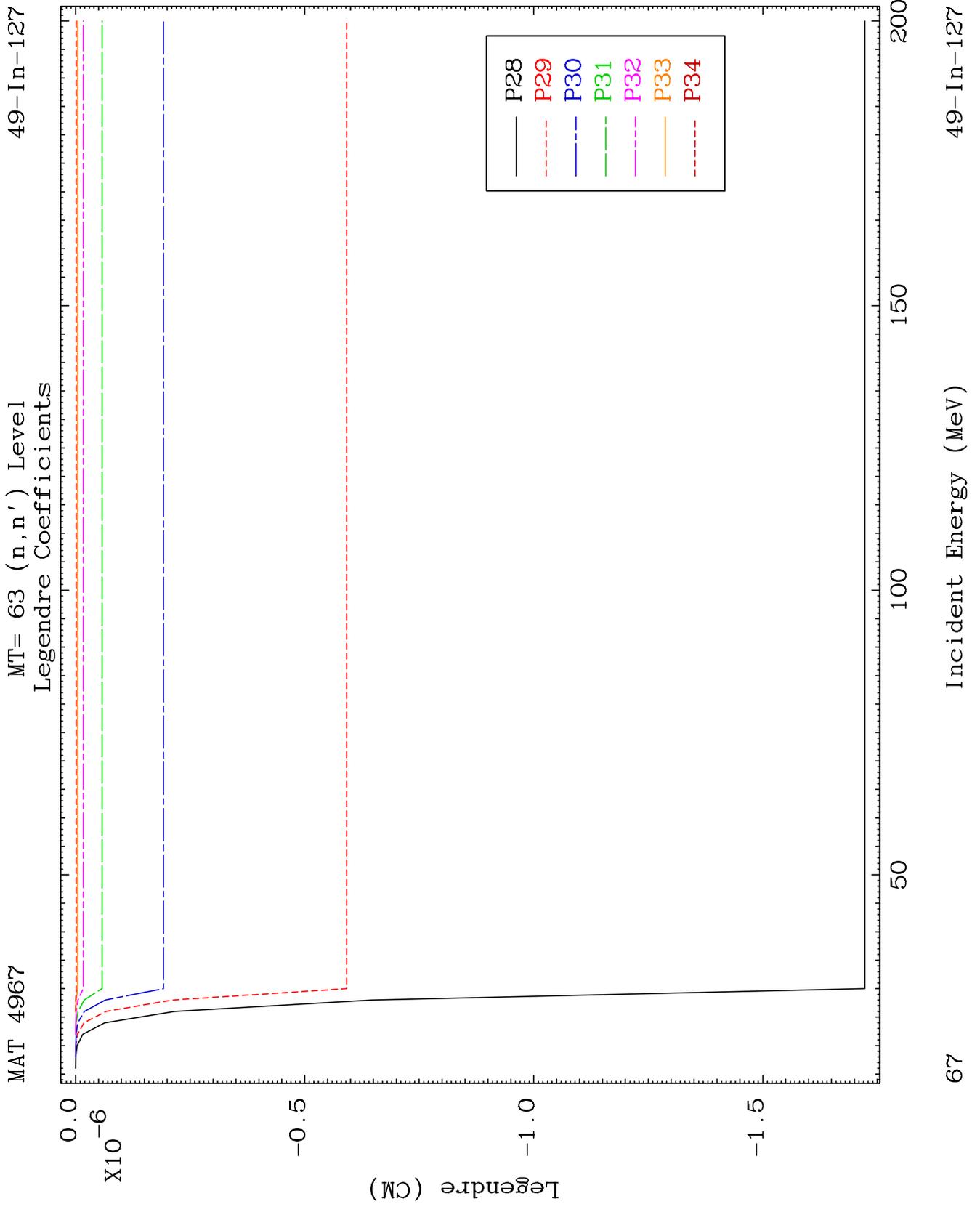


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Incident Energy (MeV)

49-In-127

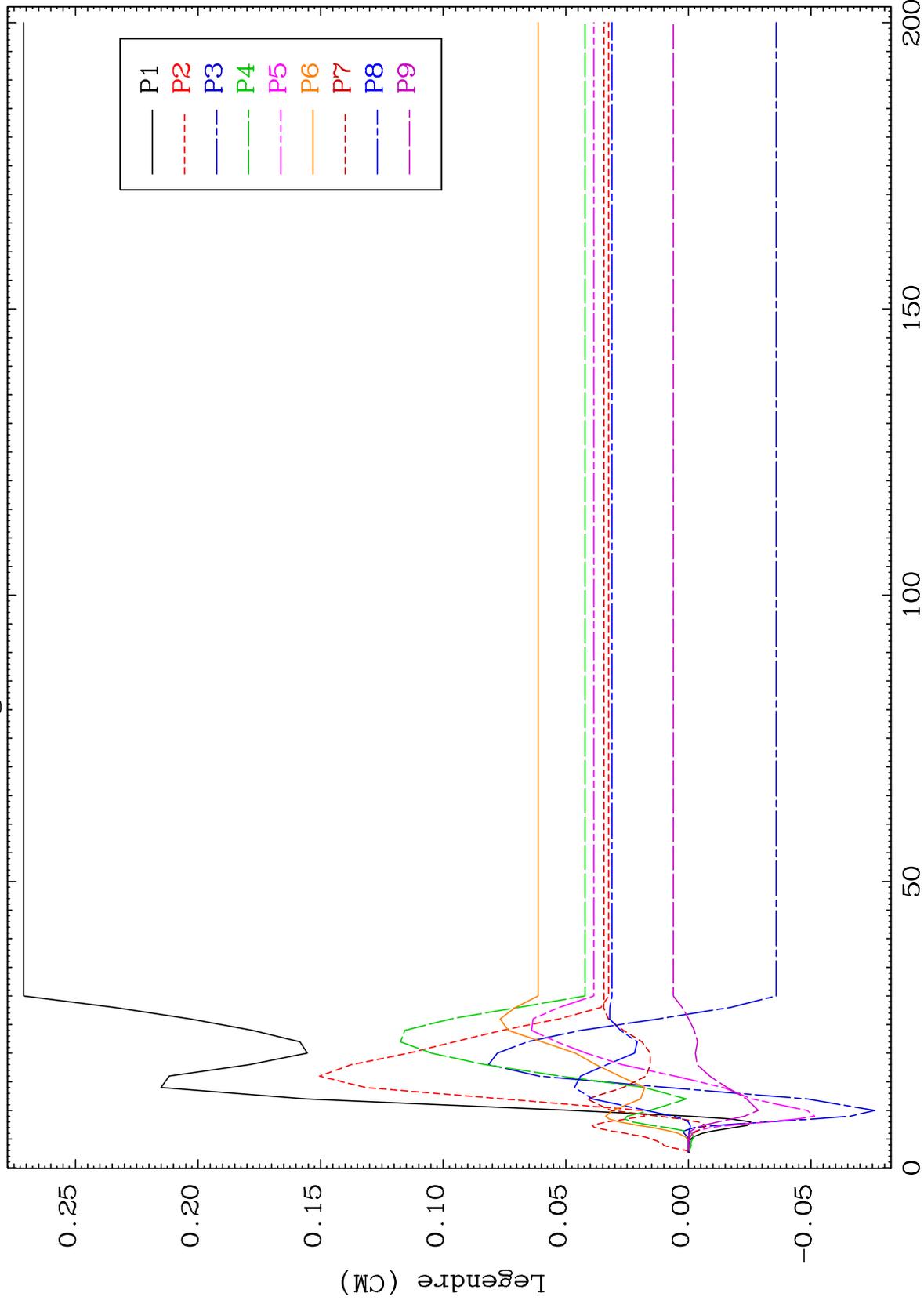




MAT 4967

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

49-In-127



68

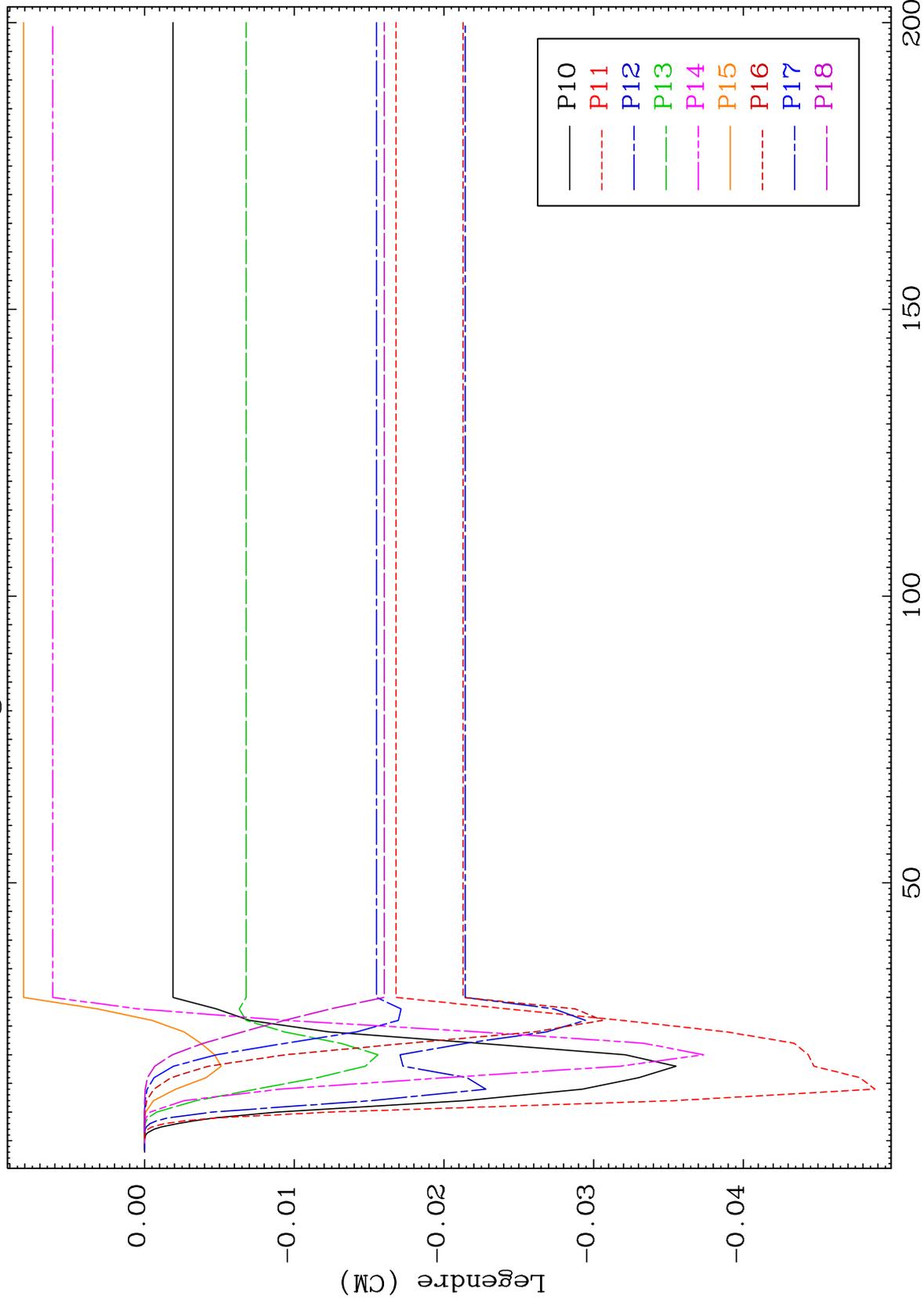
49-In-127

49-In-127

MAT 4967

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

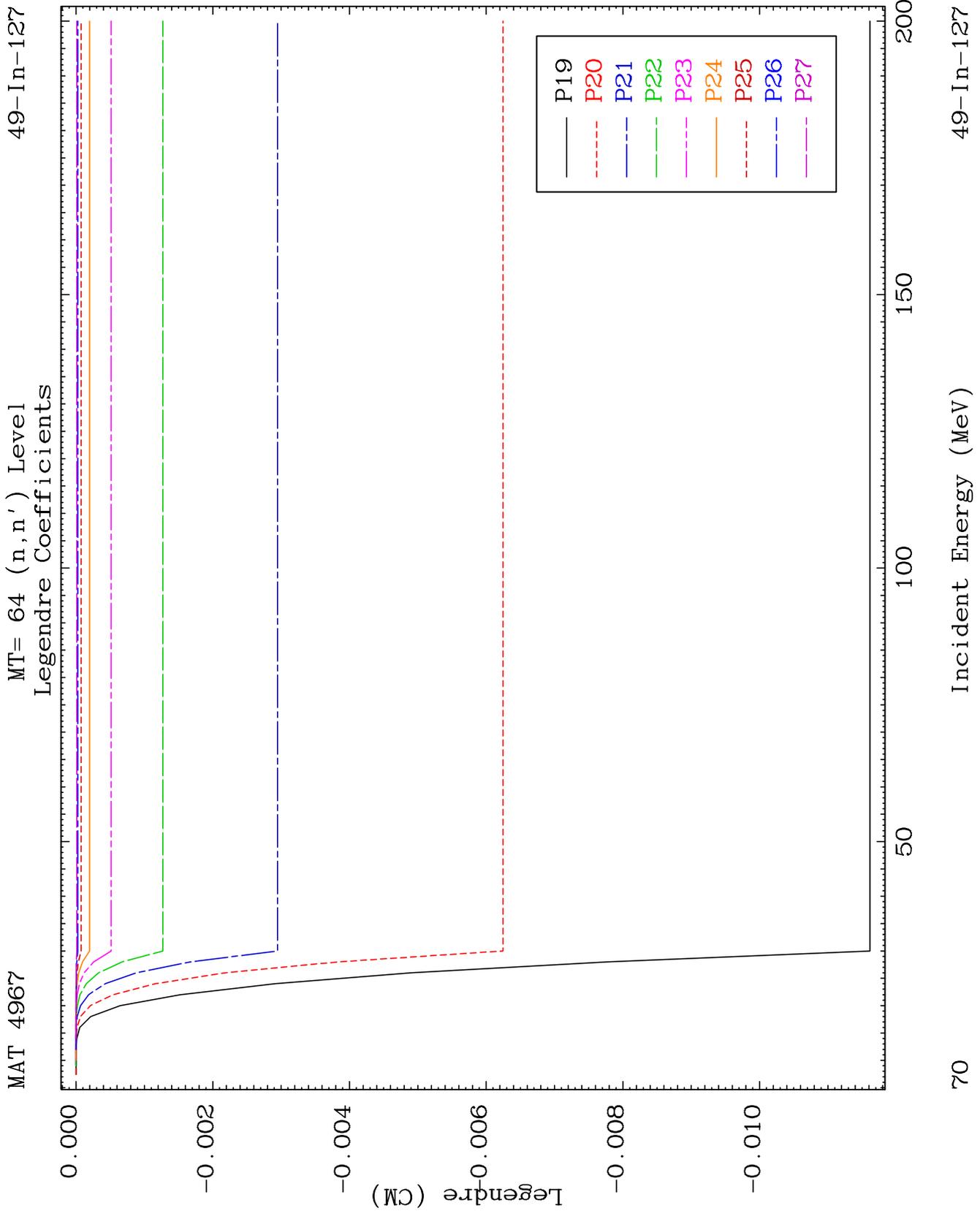
49-In-127

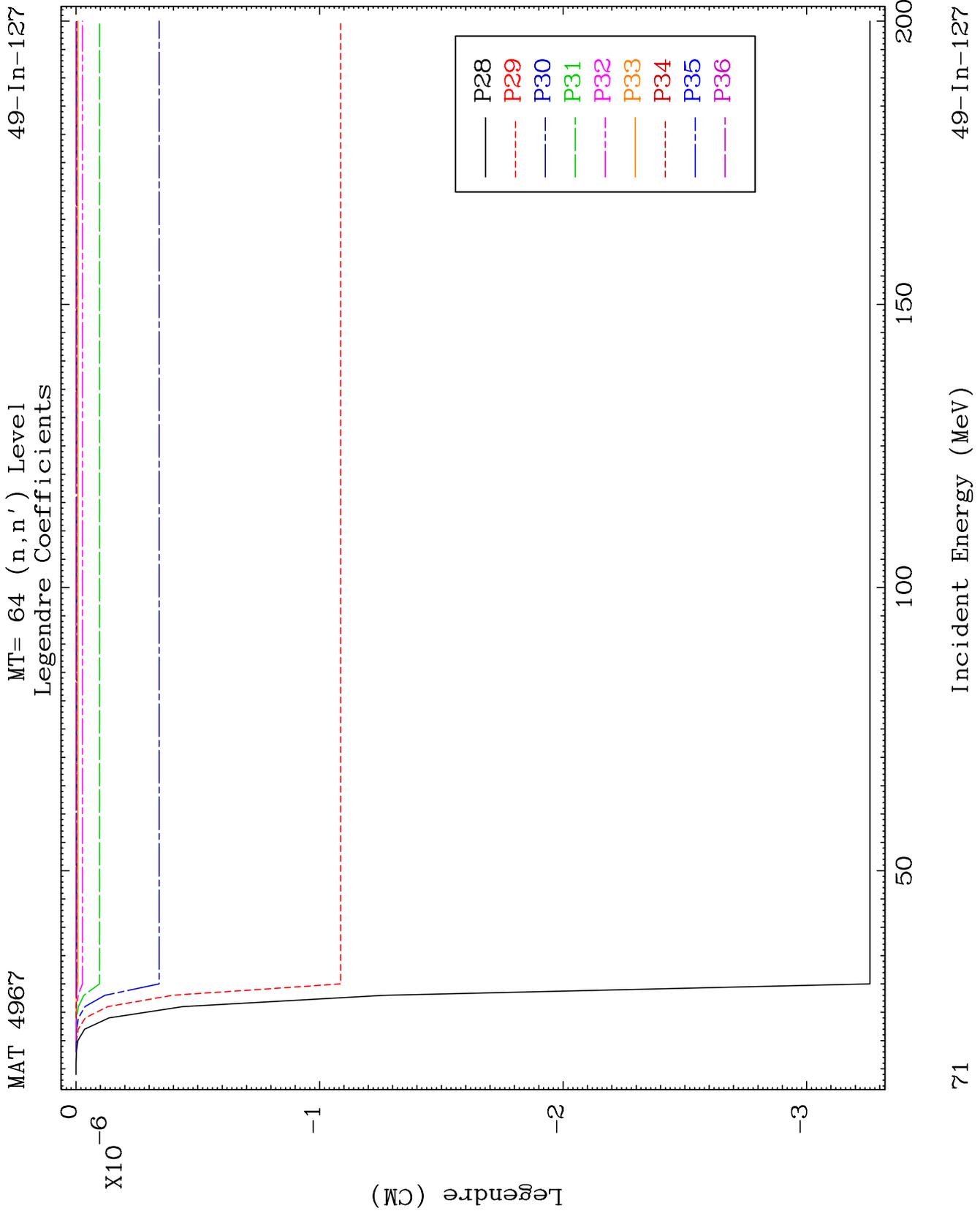


69

Incident Energy (MeV)

49-In-127

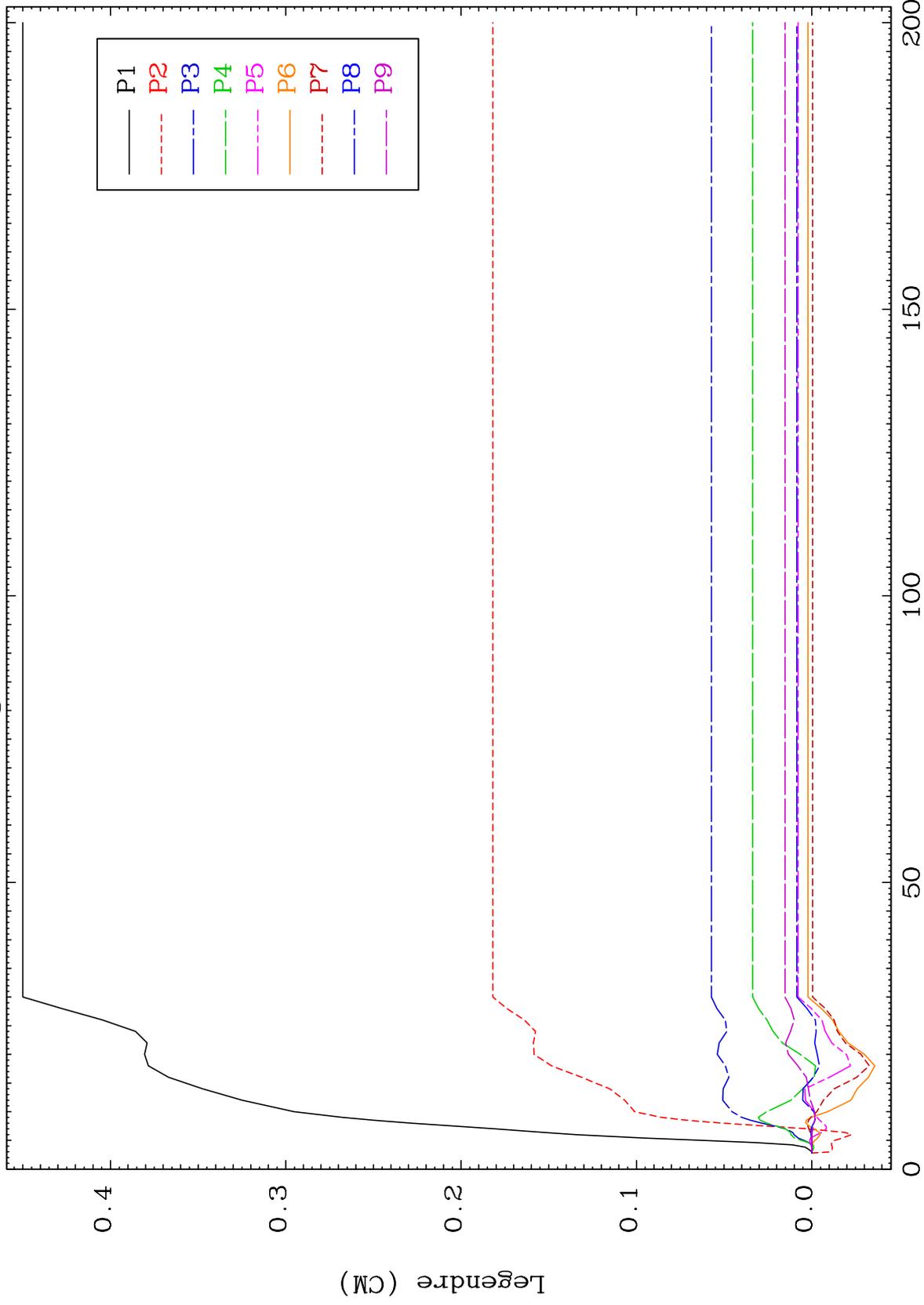




MAT 4967

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

49-In-127



72

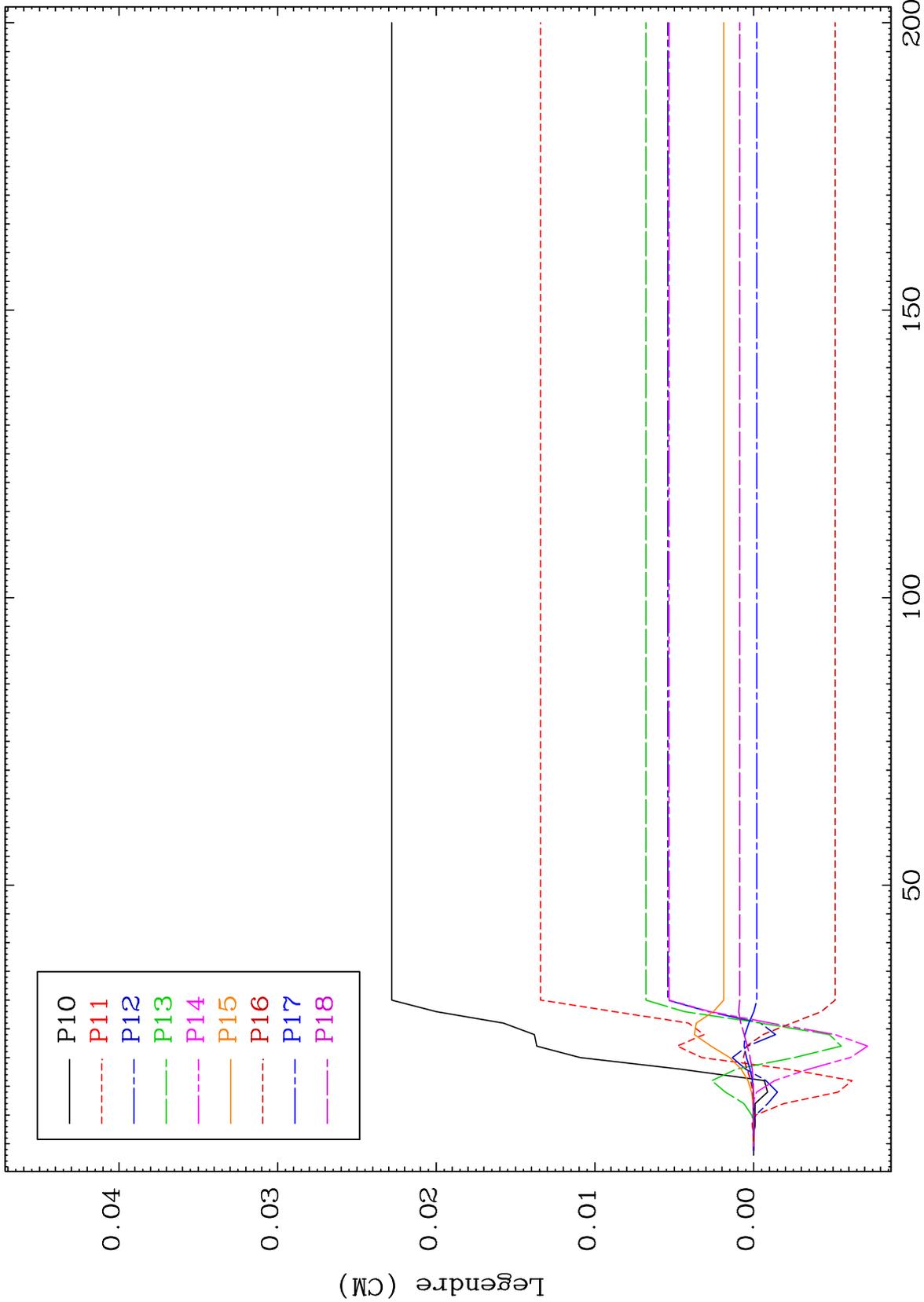
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



73

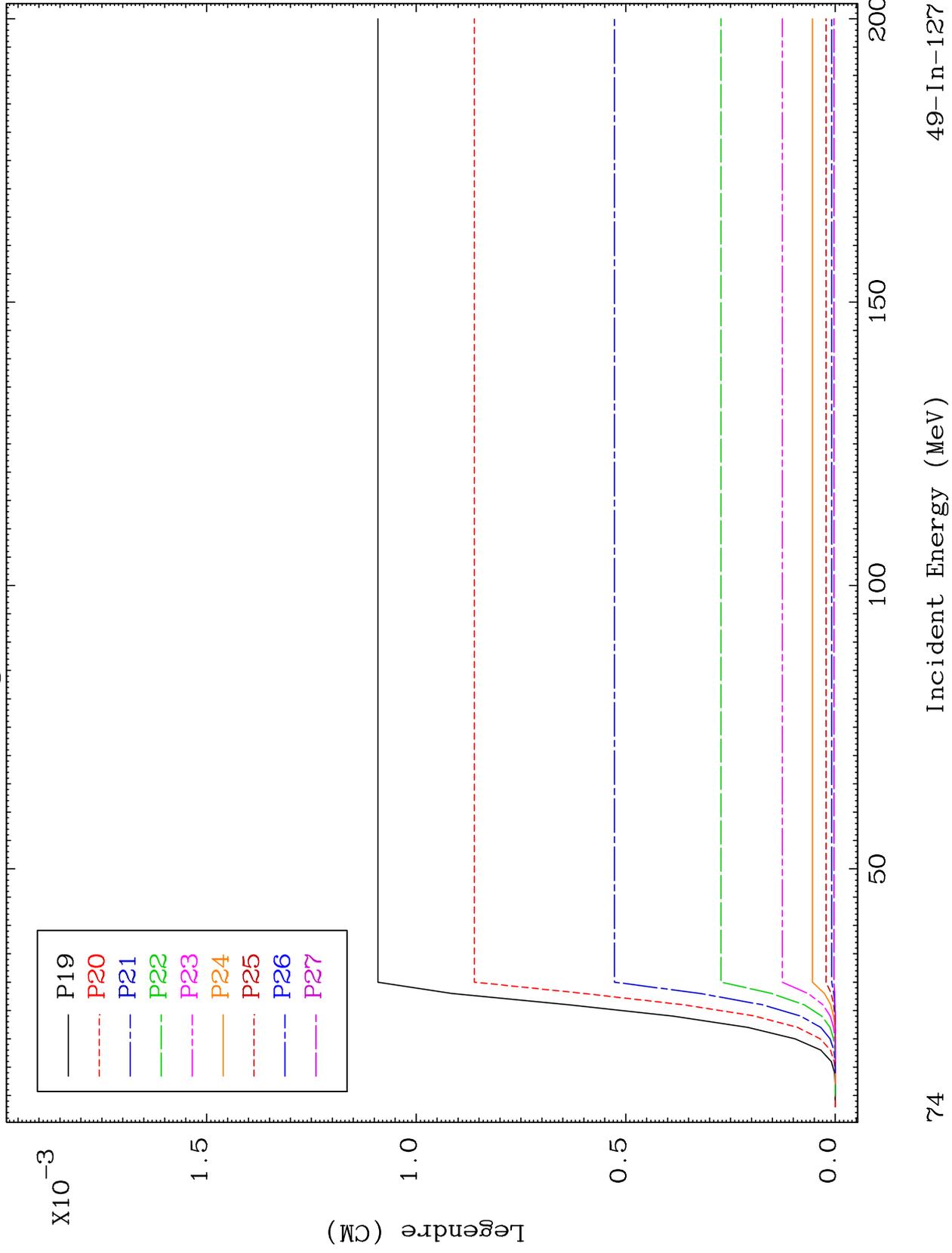
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127

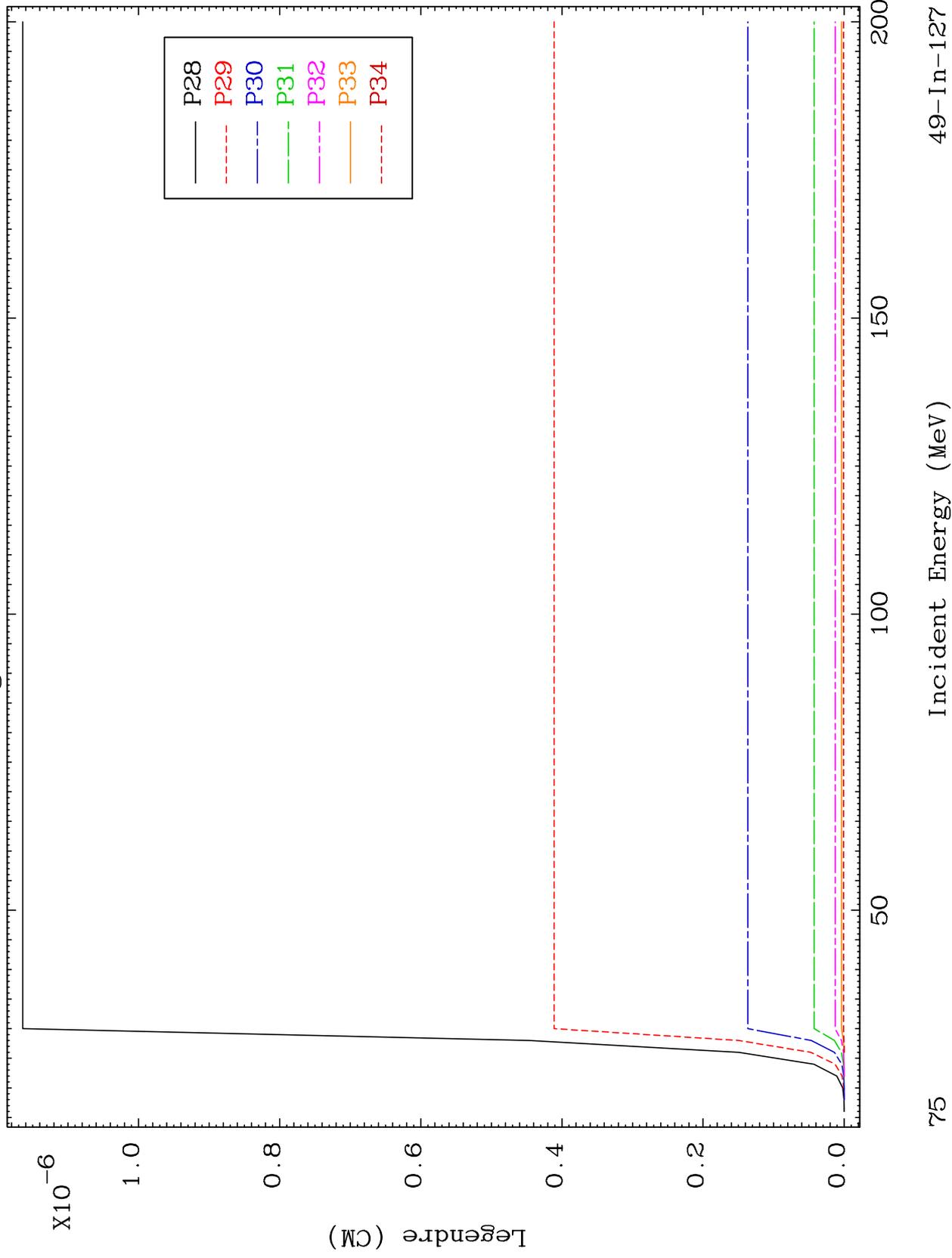


74

MAT 4967

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

49-In-127



75

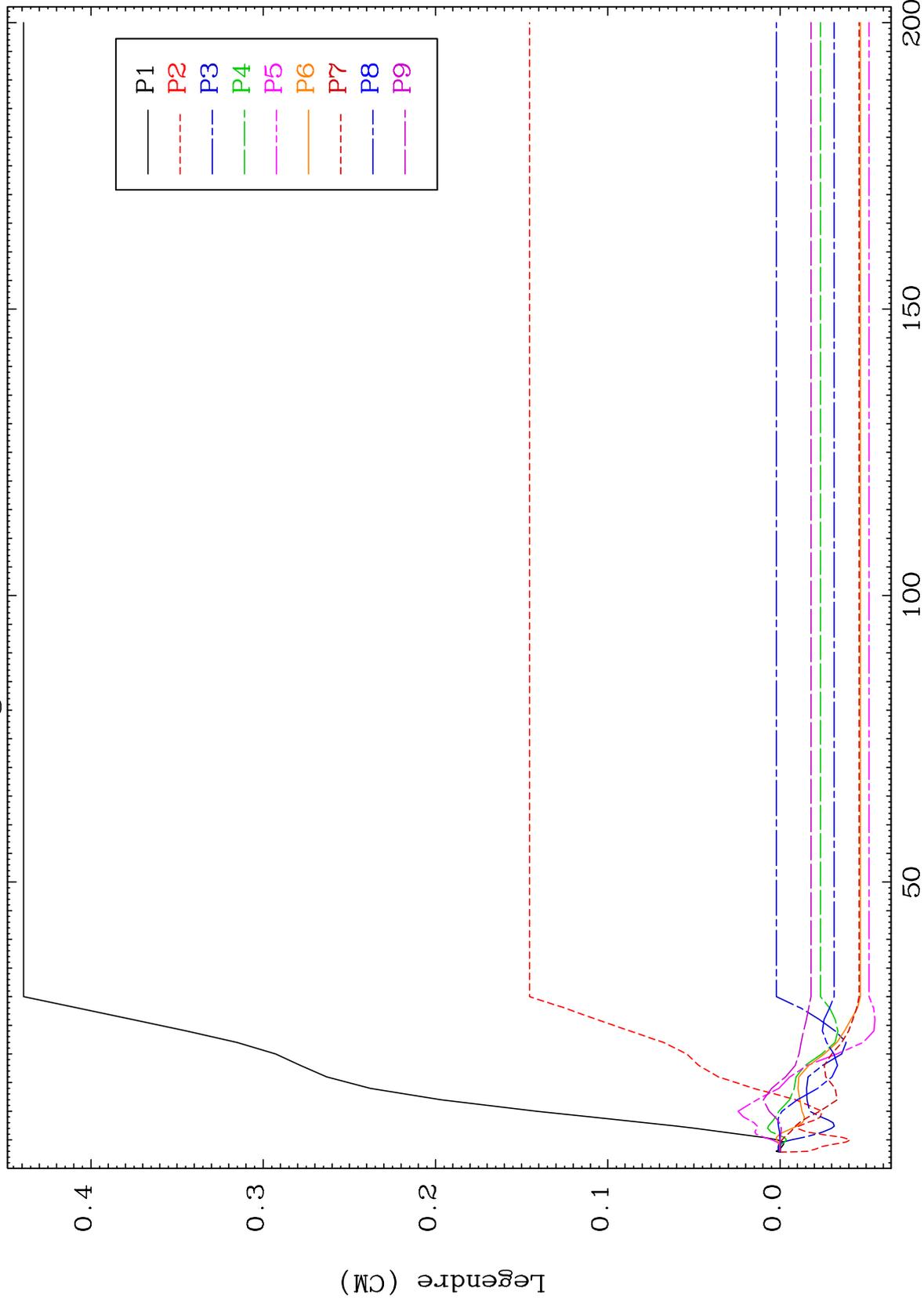
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



76

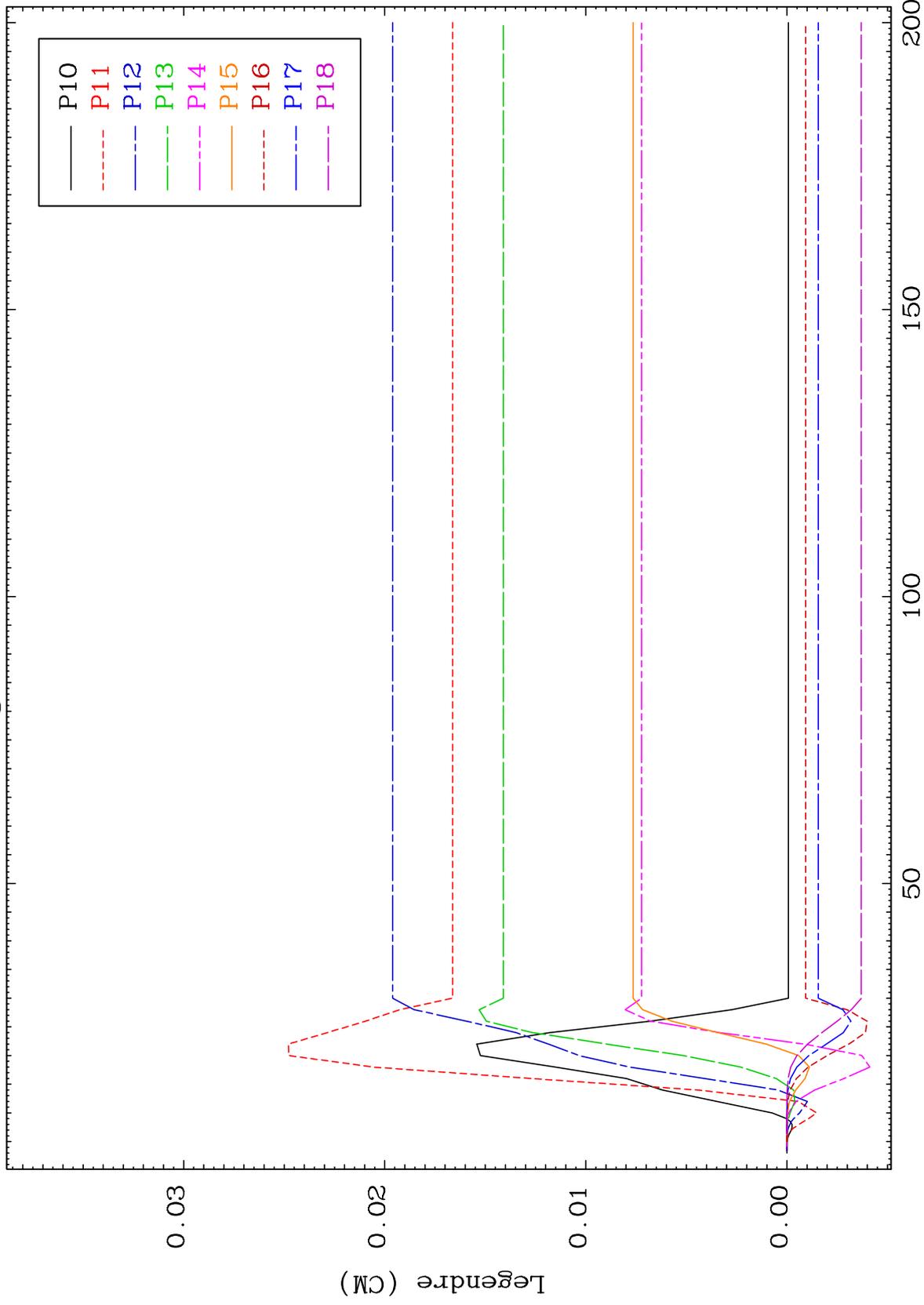
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



77

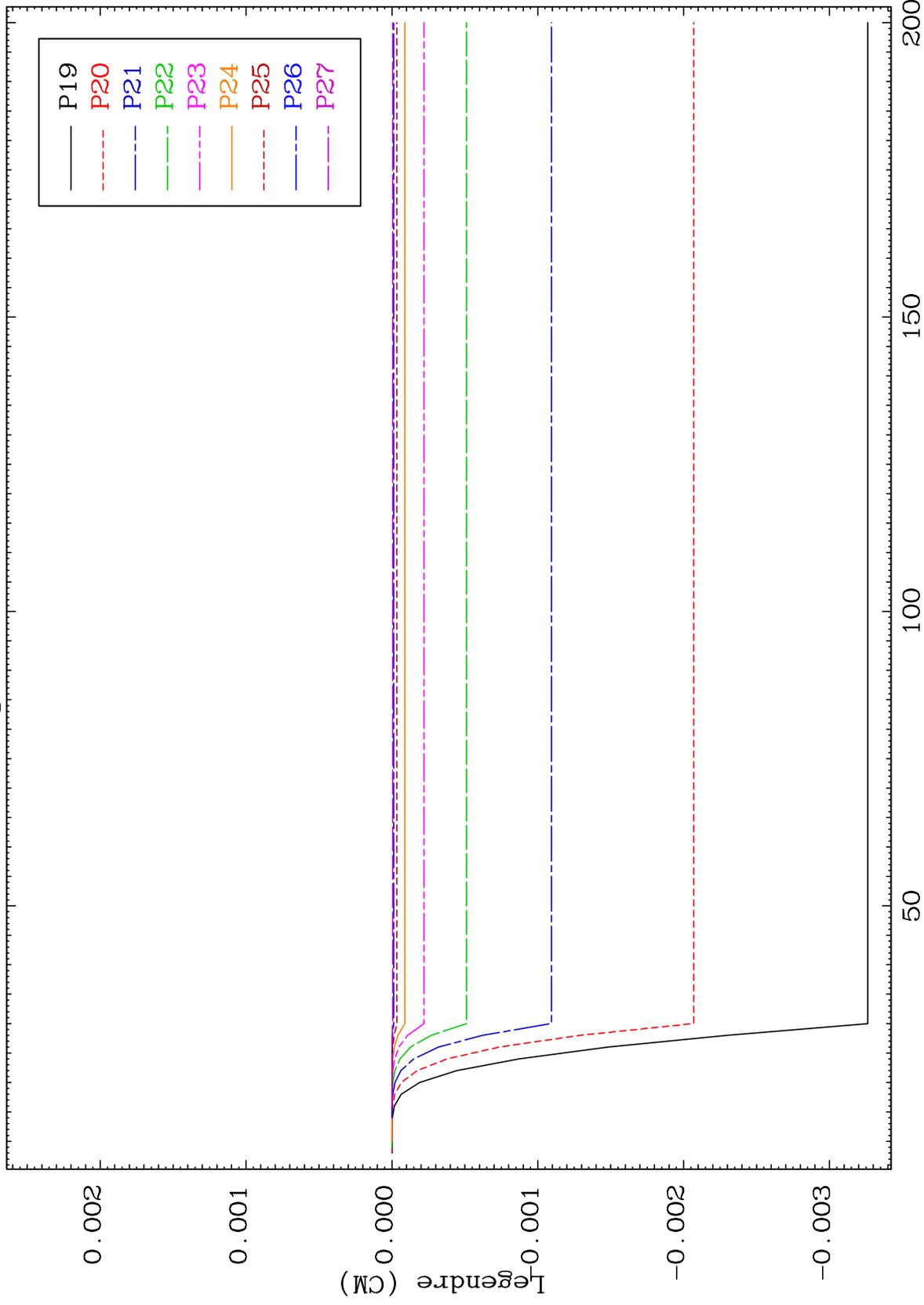
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



78

Incident Energy (MeV)

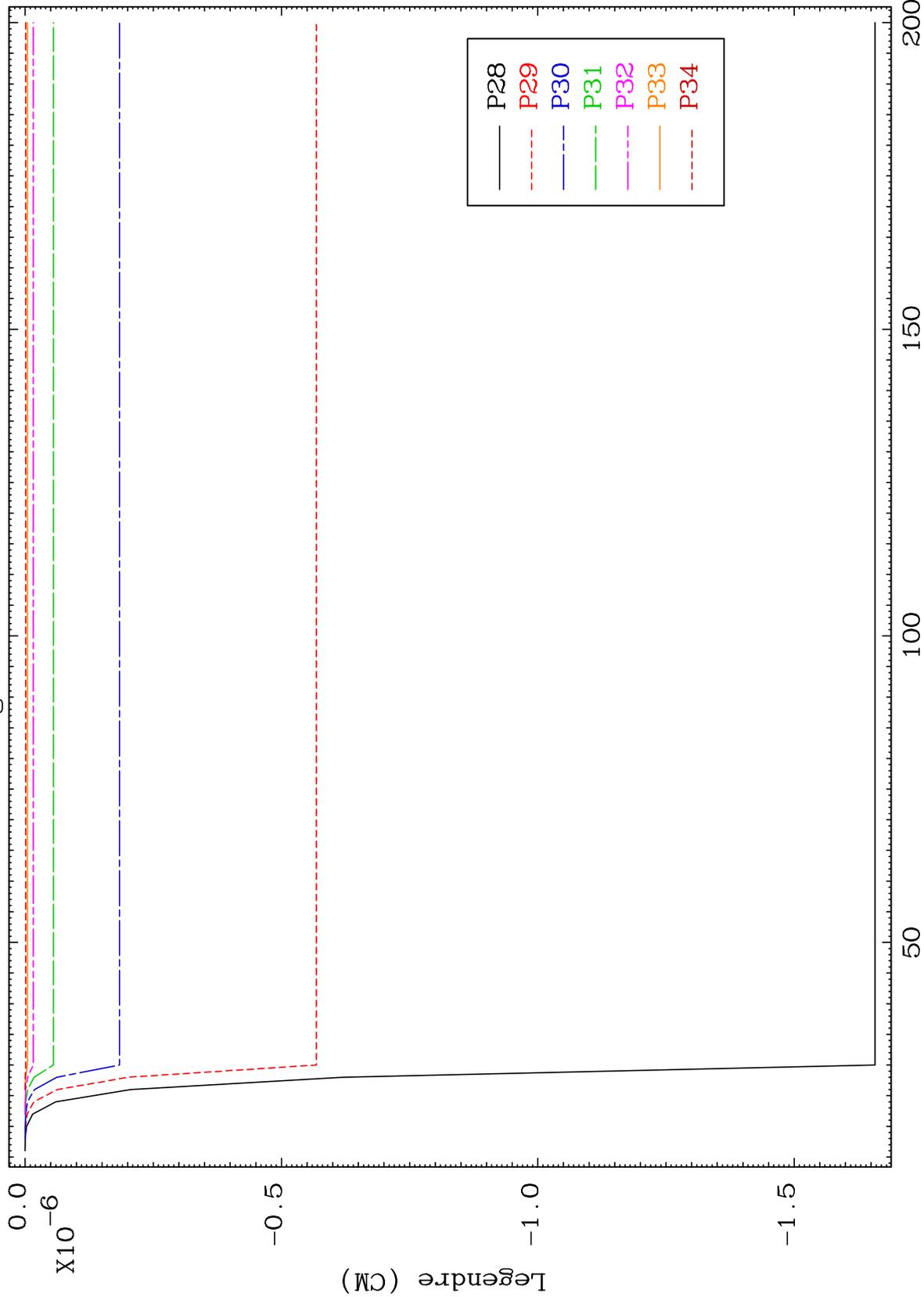
49-In-127

MAT 4967

MT= 66 (n,n') Level

49-In-127

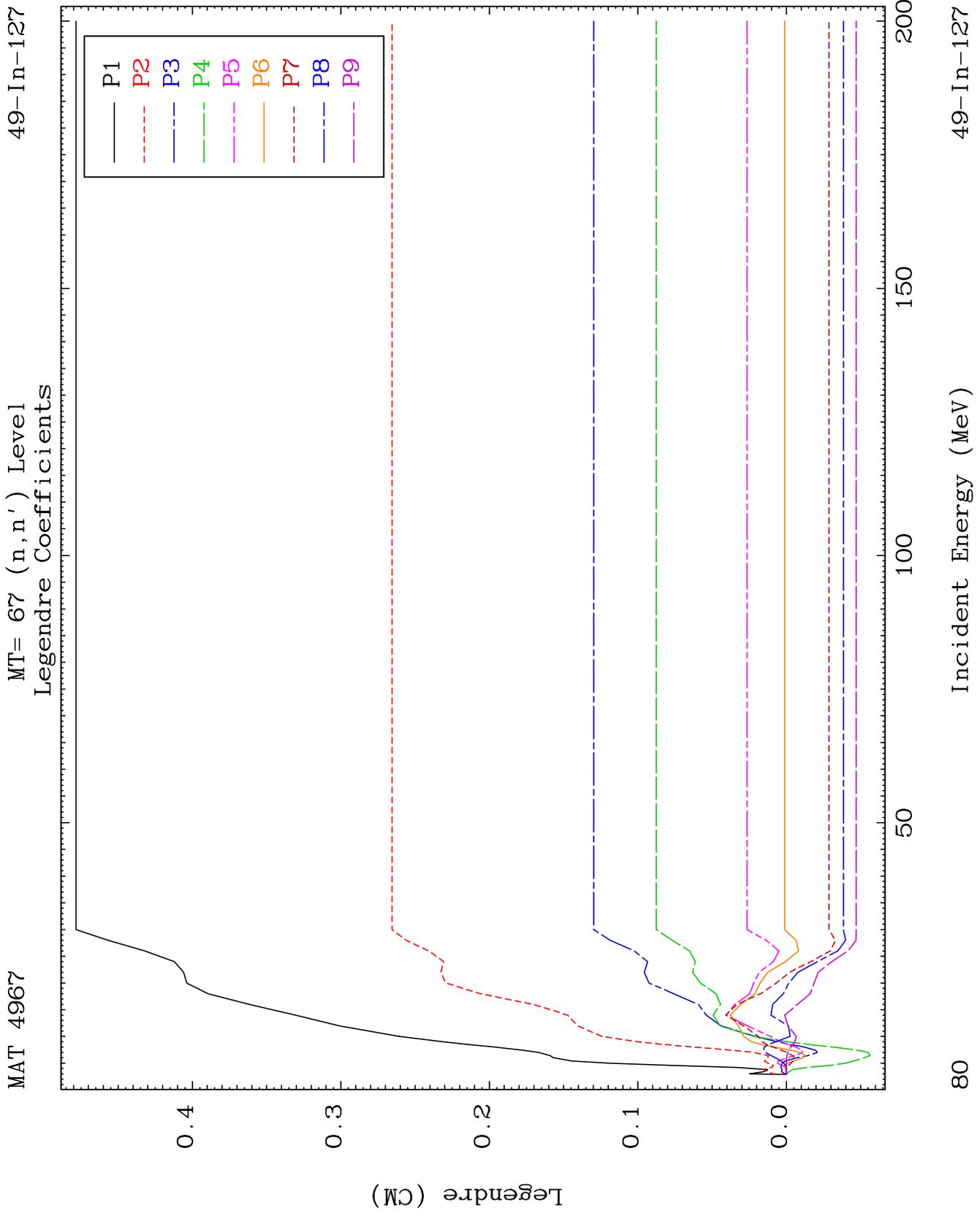
Legendre Coefficients



79

Incident Energy (MeV)

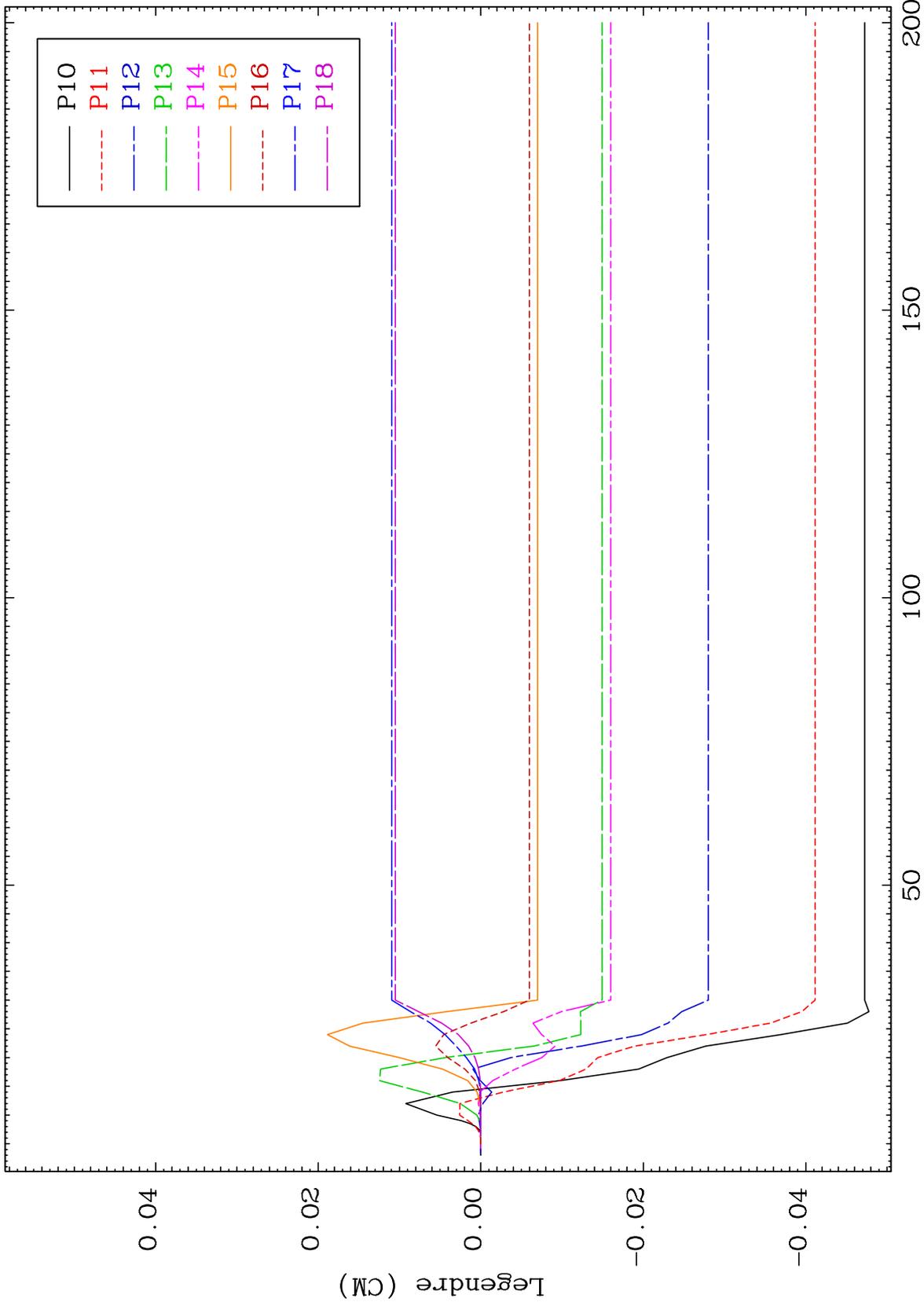
49-In-127



MAT 4967

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

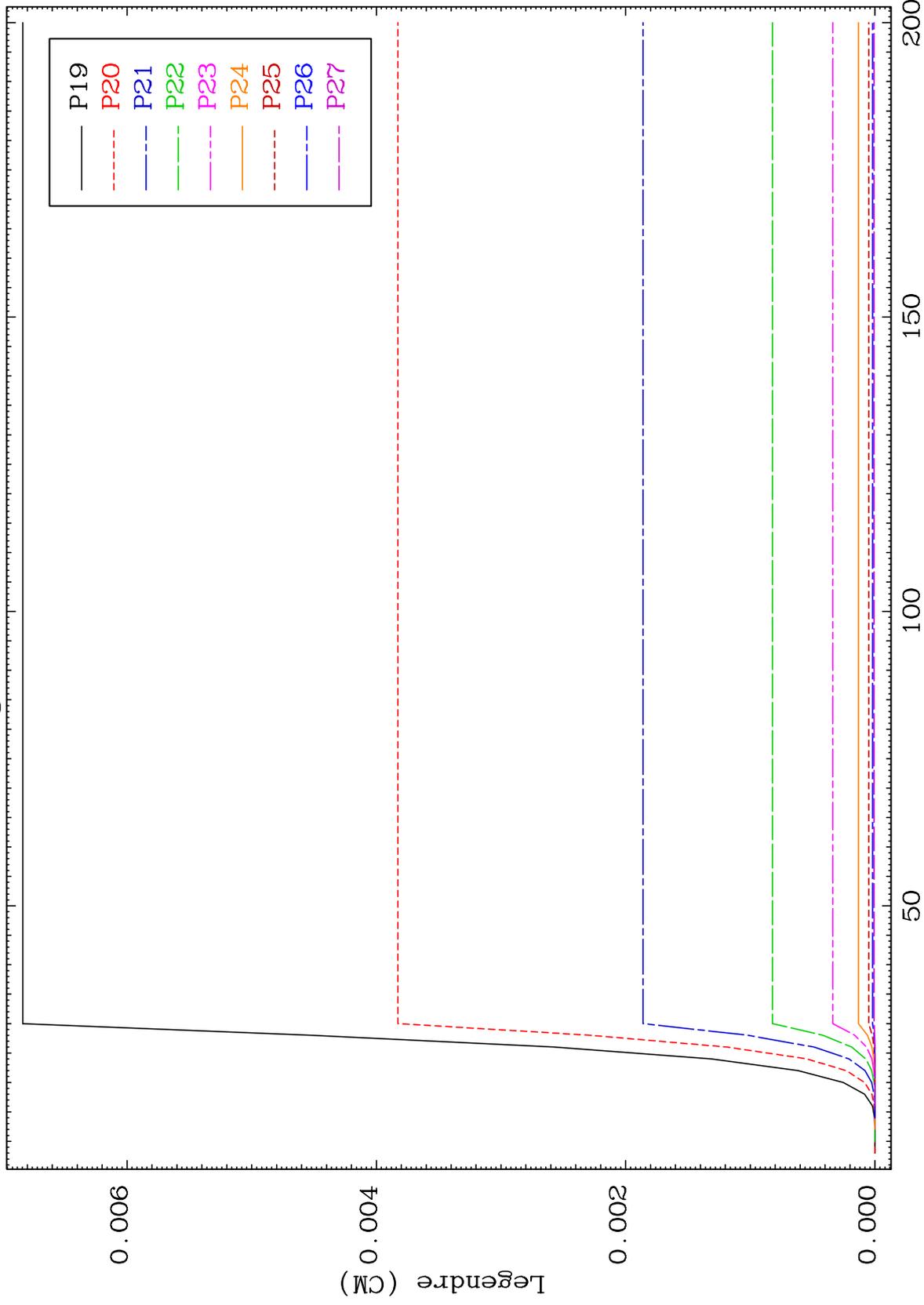
49-In-127



MAT 4967

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

49-In-127



82

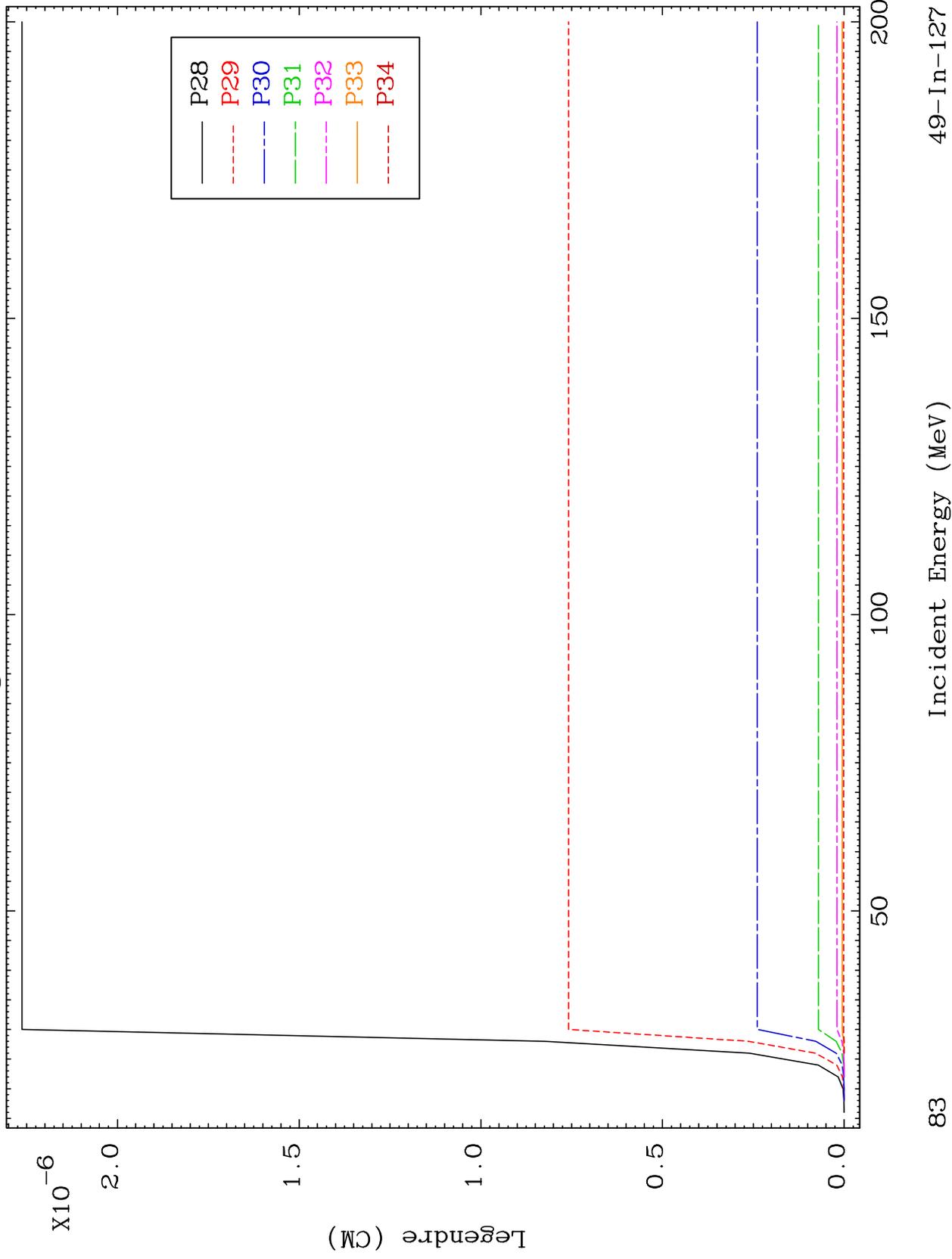
Incident Energy (MeV)

49-In-127

MAT 4967

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

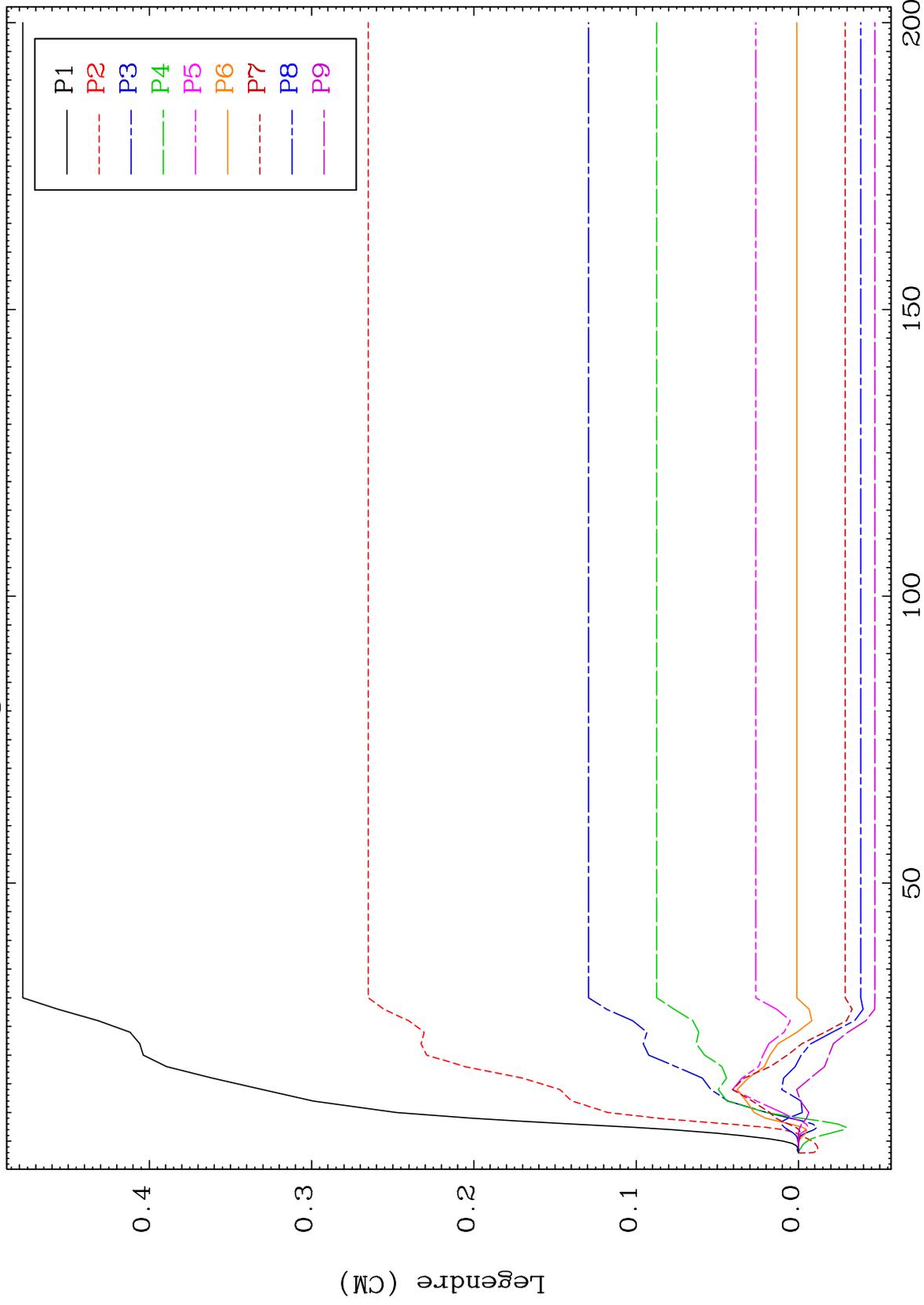
49-In-127



MAT 4967

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

49-In-127



84

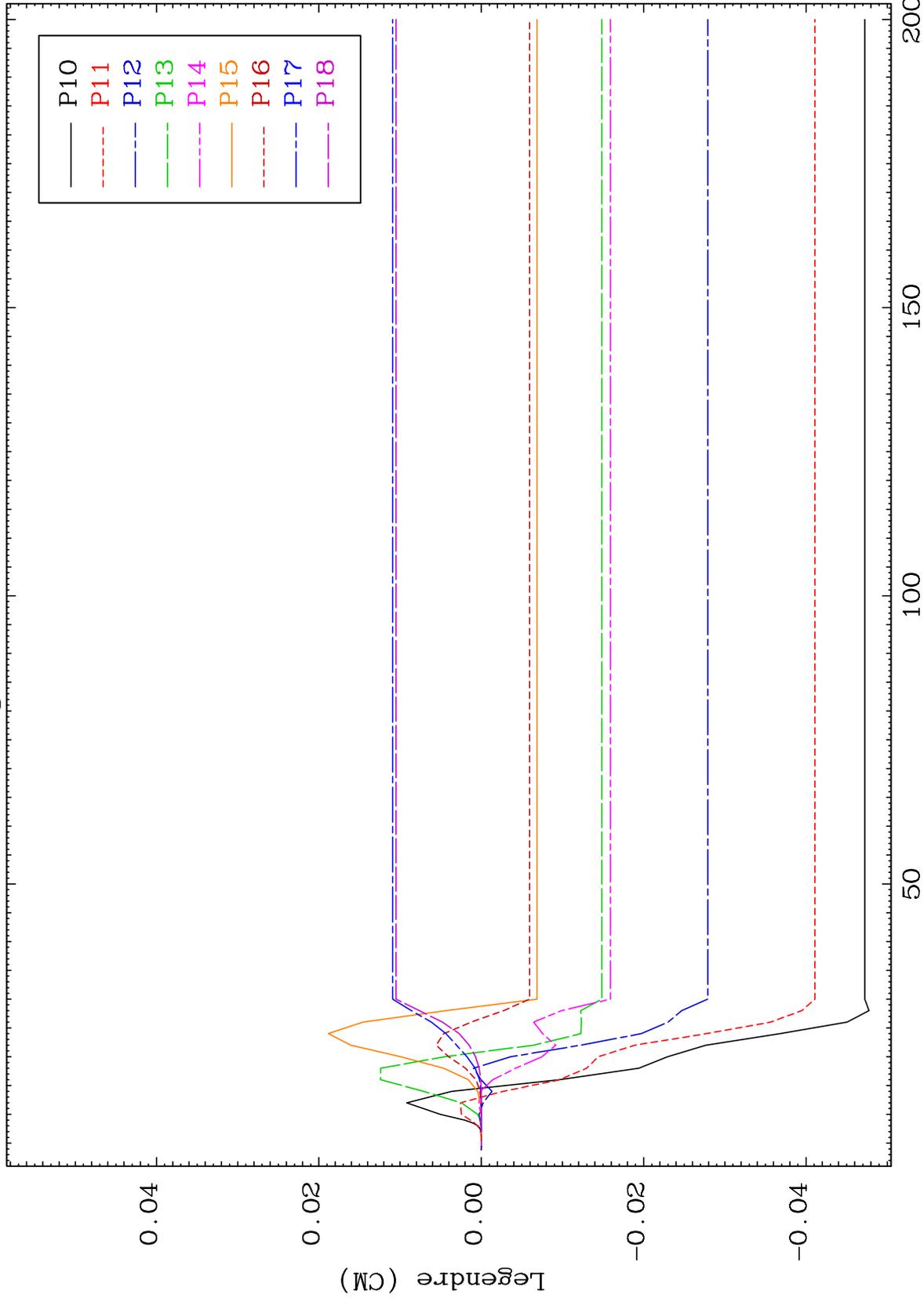
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



85

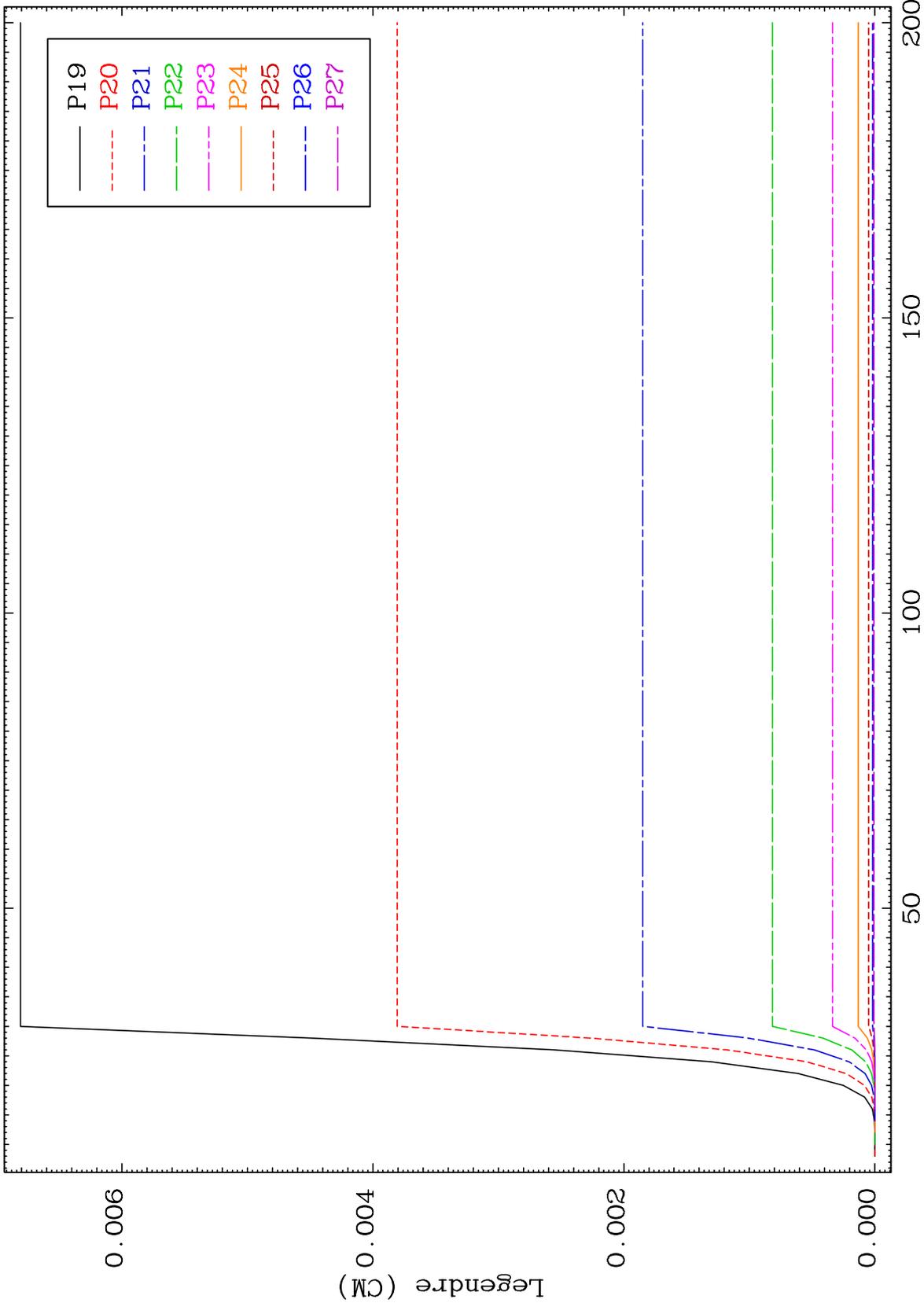
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



86

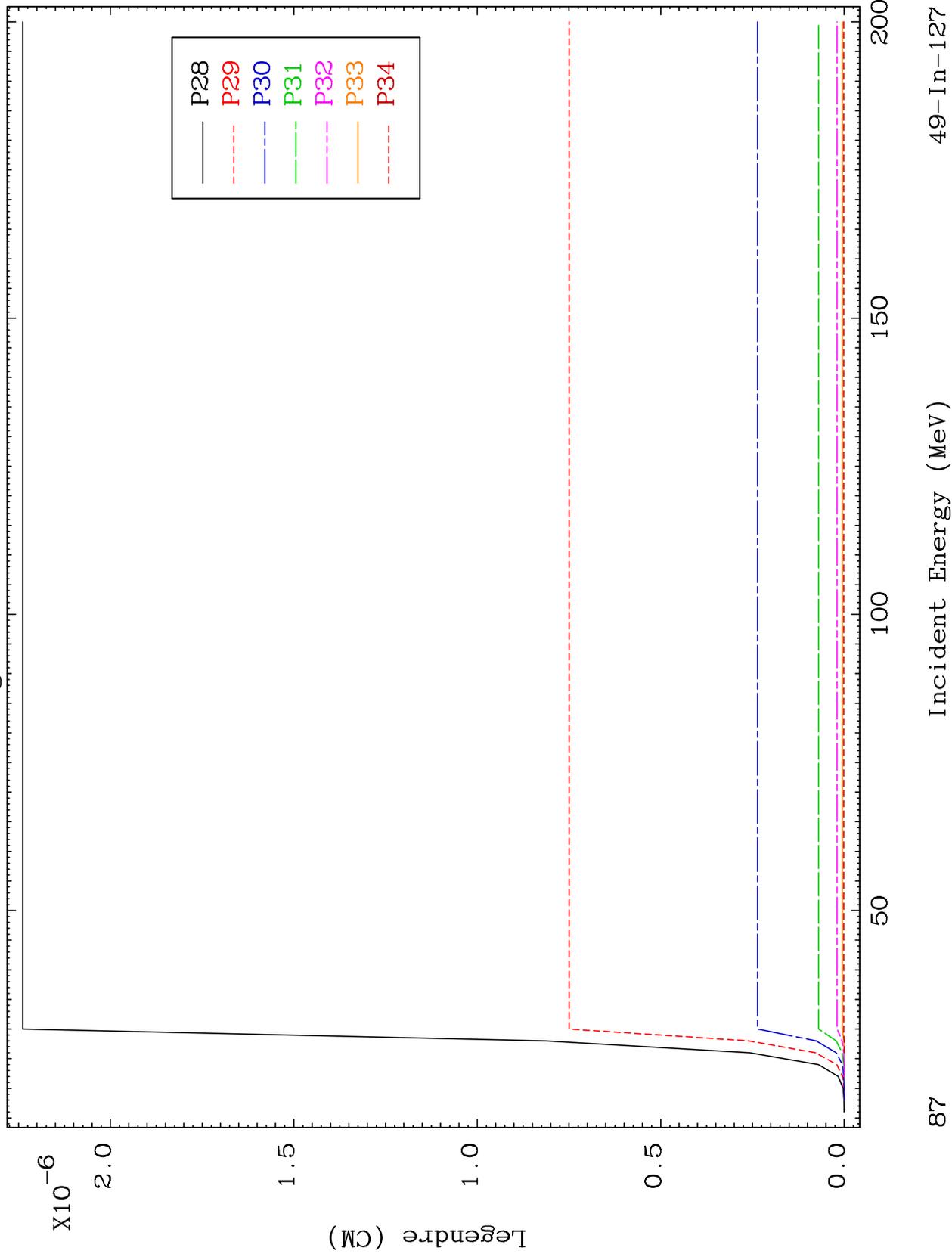
Incident Energy (MeV)

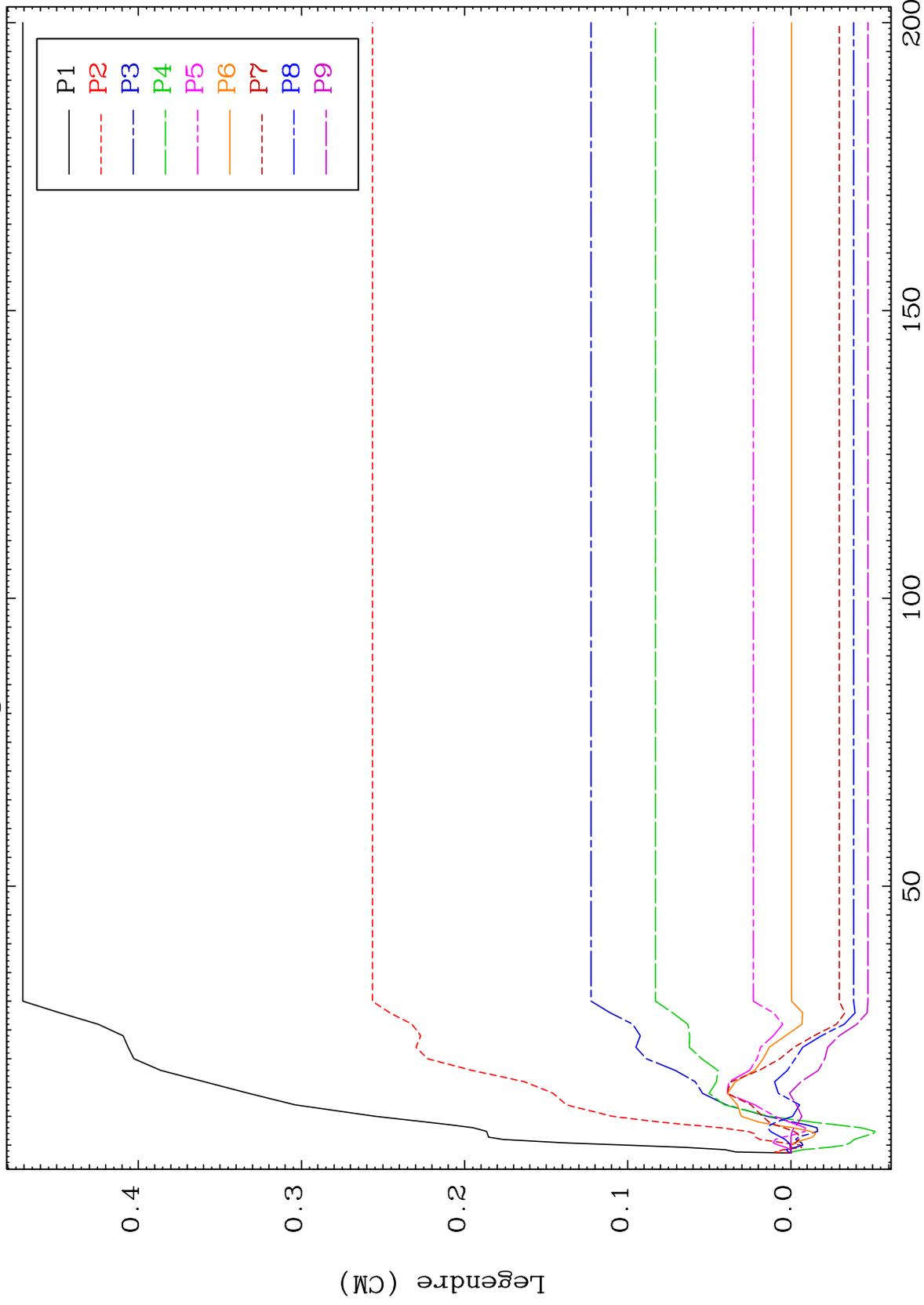
49-In-127

MAT 4967

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

49-In-127

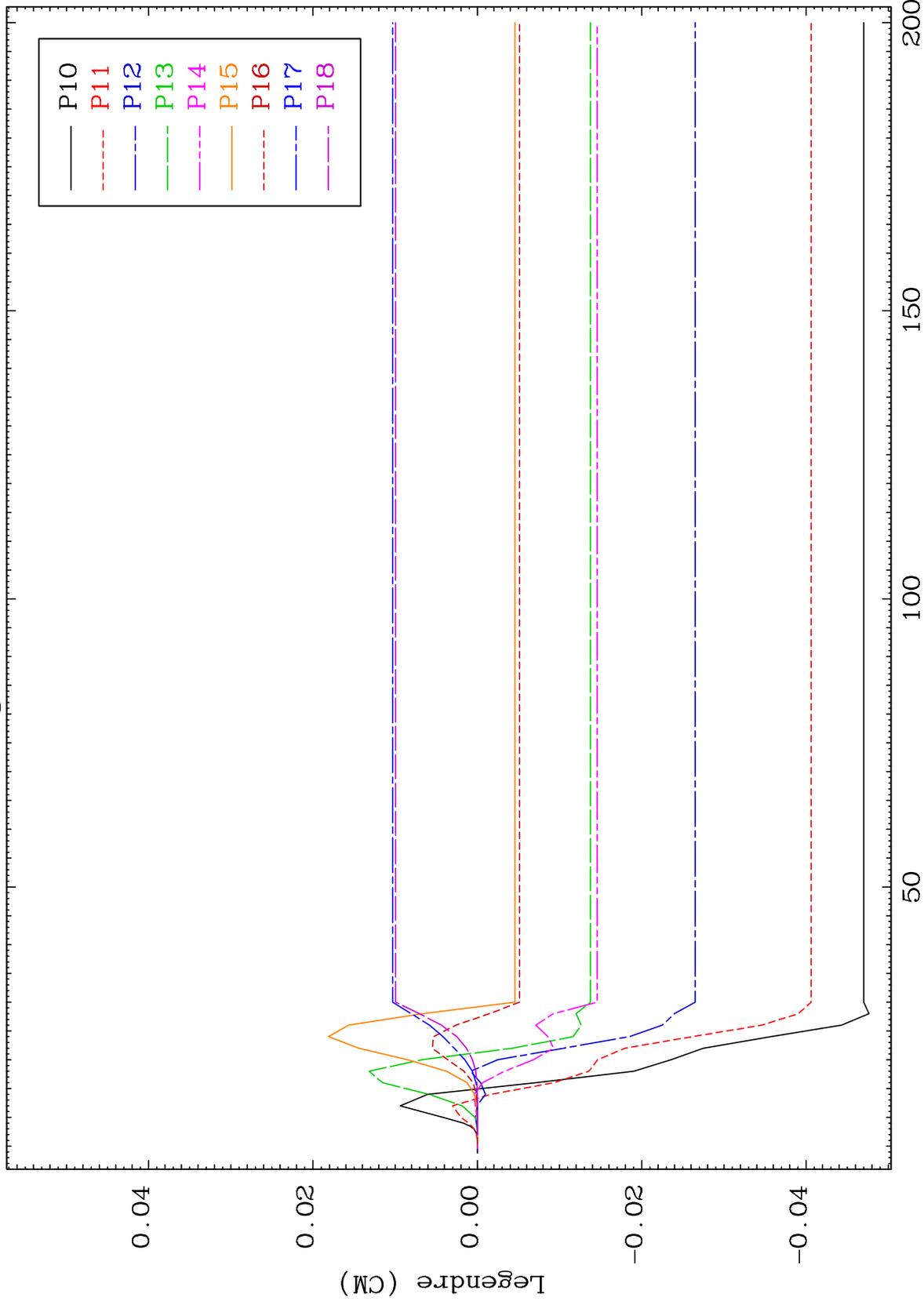




MAT 4967

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

49-In-127



89

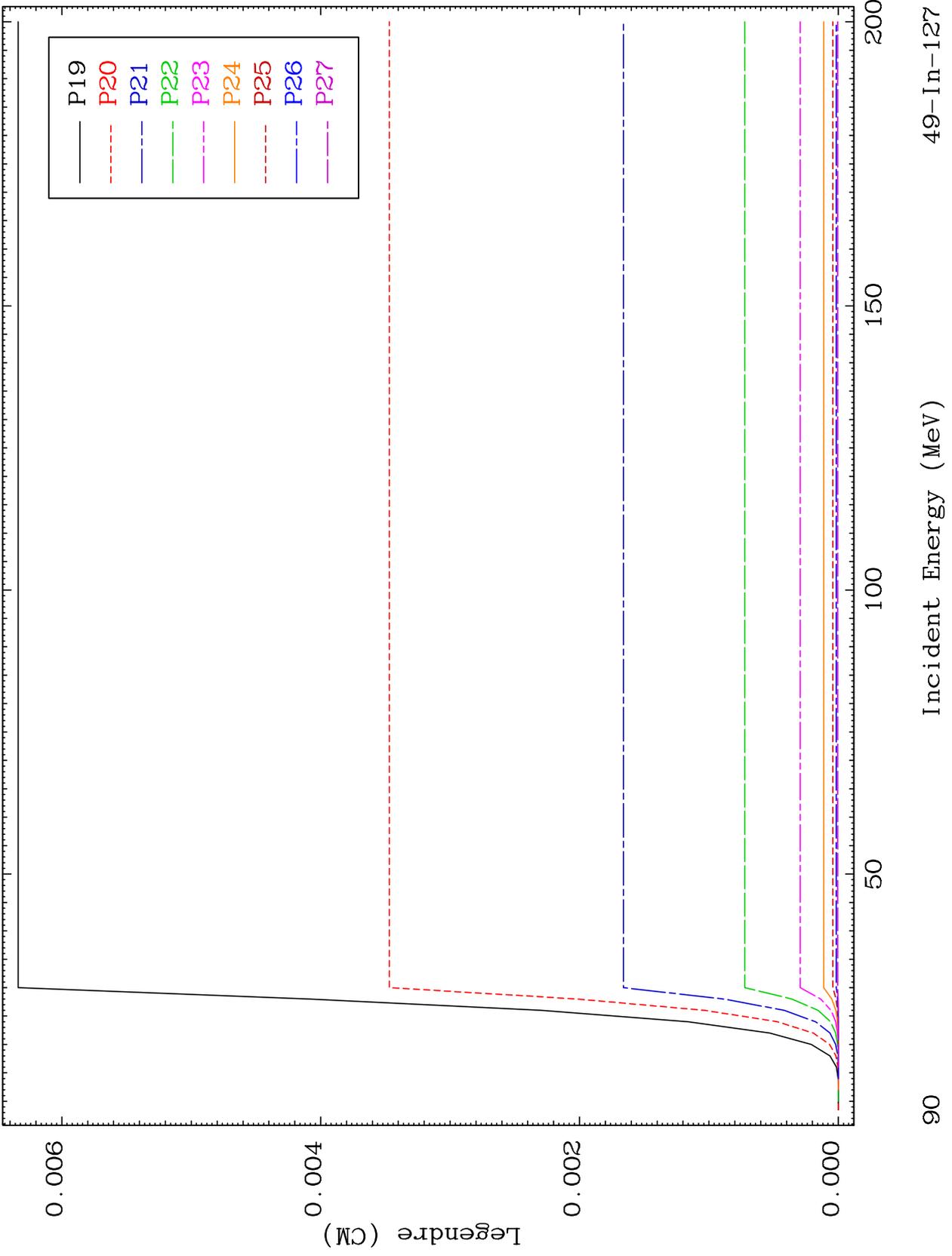
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127



90

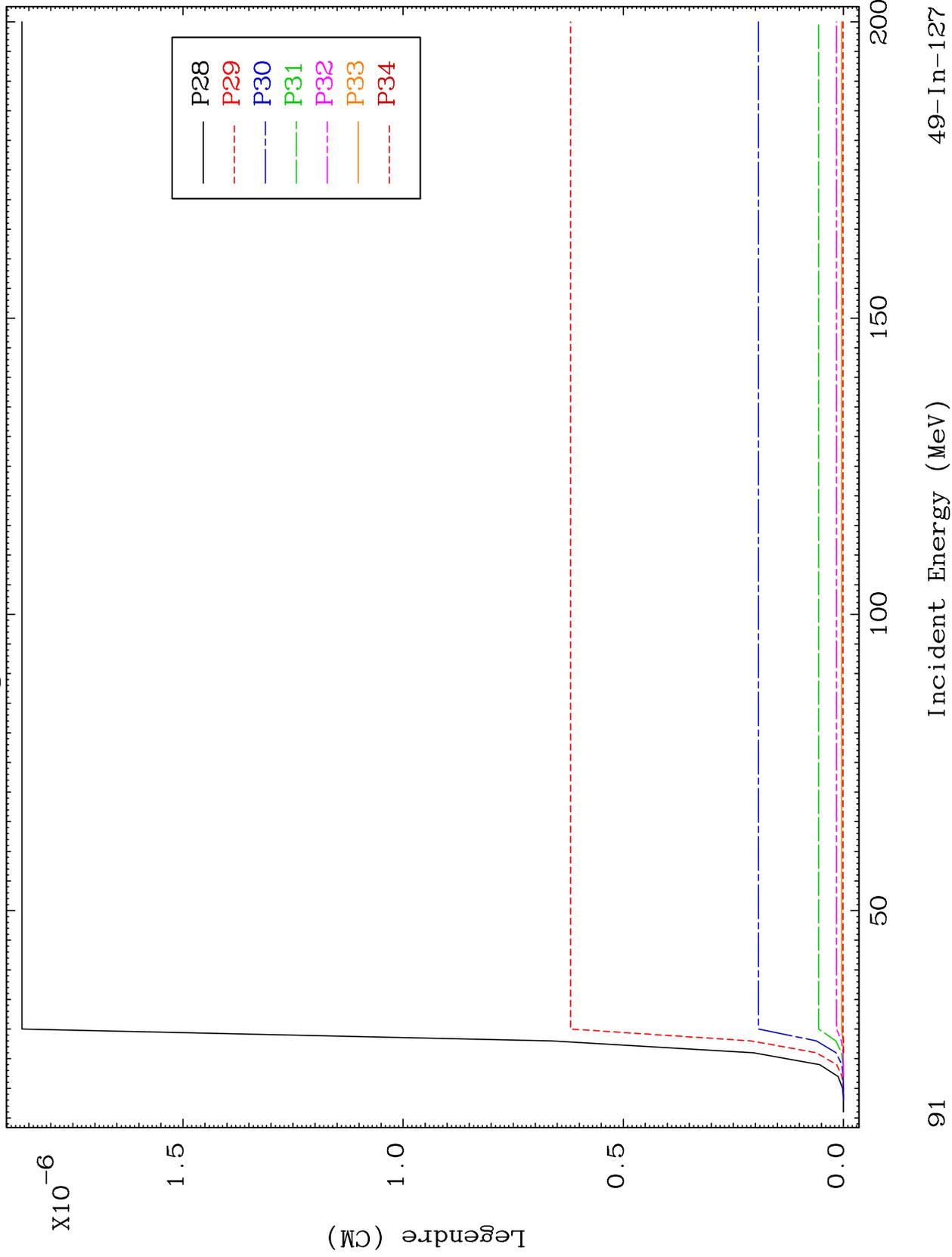
Incident Energy (MeV)

49-In-127

MAT 4967

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

49-In-127

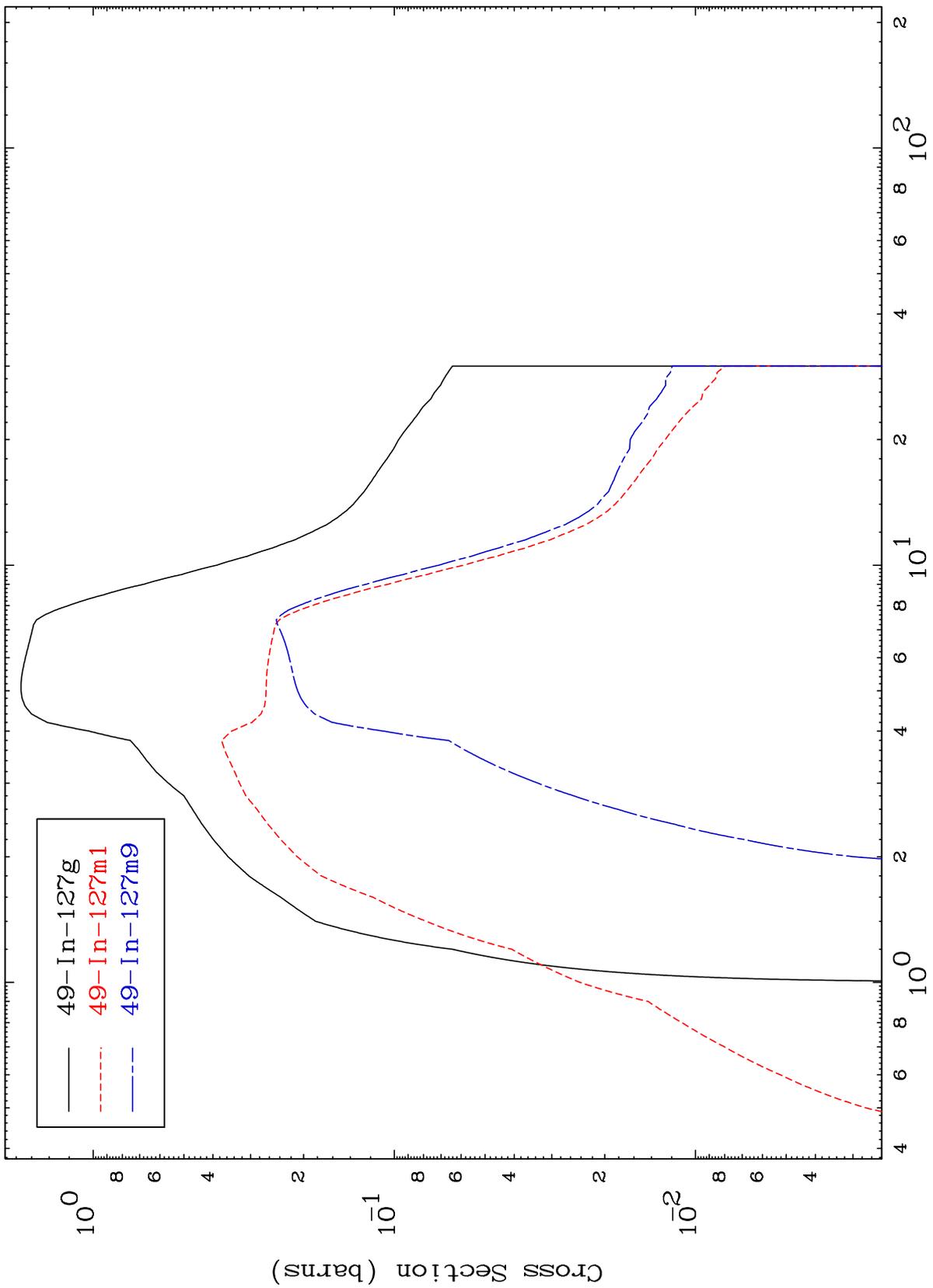


91

MAT 4967

49-In-127

### Radionuclide Production Cross Section



Legend:  
— 49-In-127g  
- - - 49-In-127m1  
- · - 49-In-127m9

92

Incident Energy (MeV)

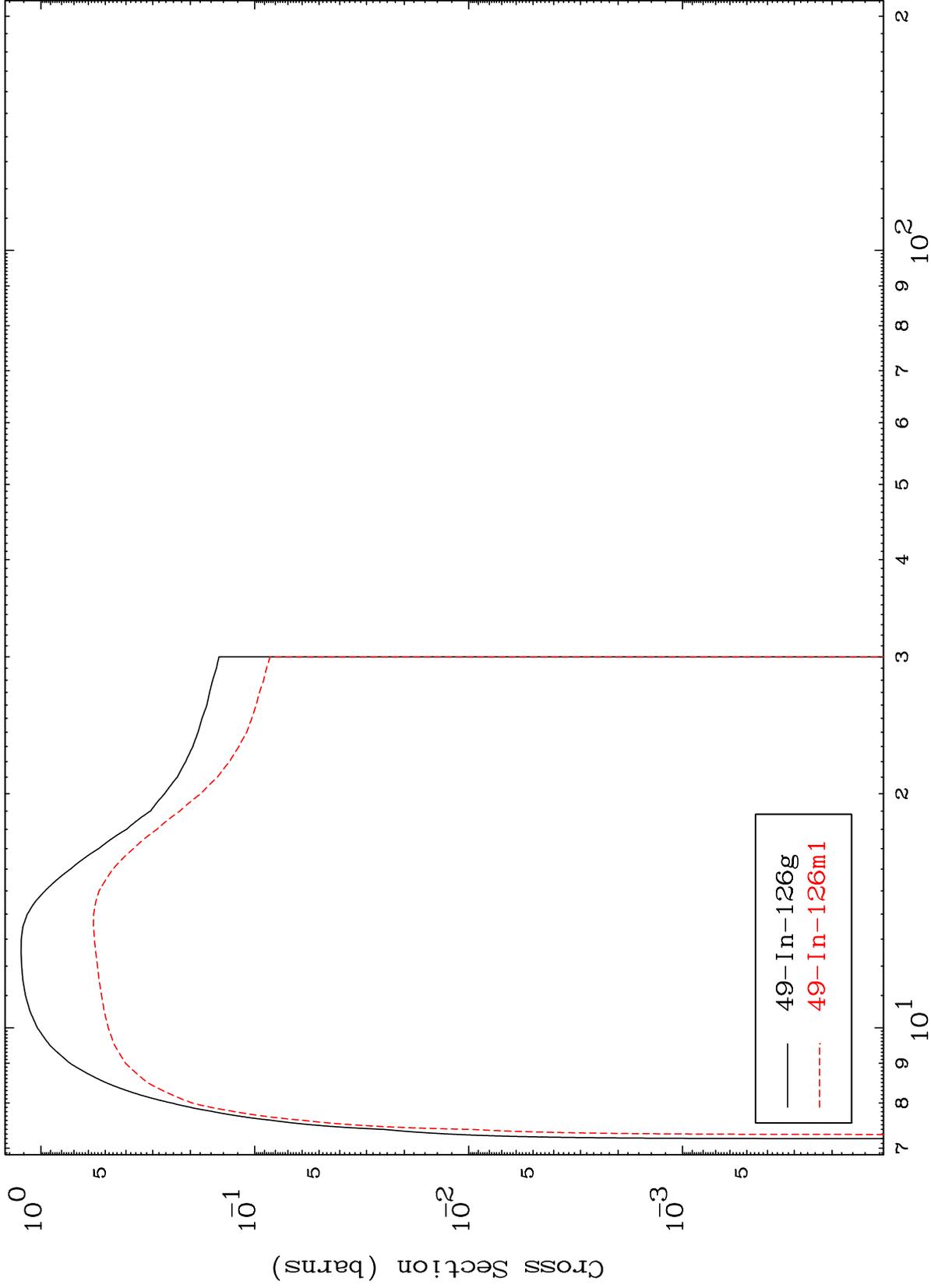
49-In-127

MAT 4967

(n,2n)

49-In-127

Radionuclide Production Cross Section



93

Incident Energy (MeV)

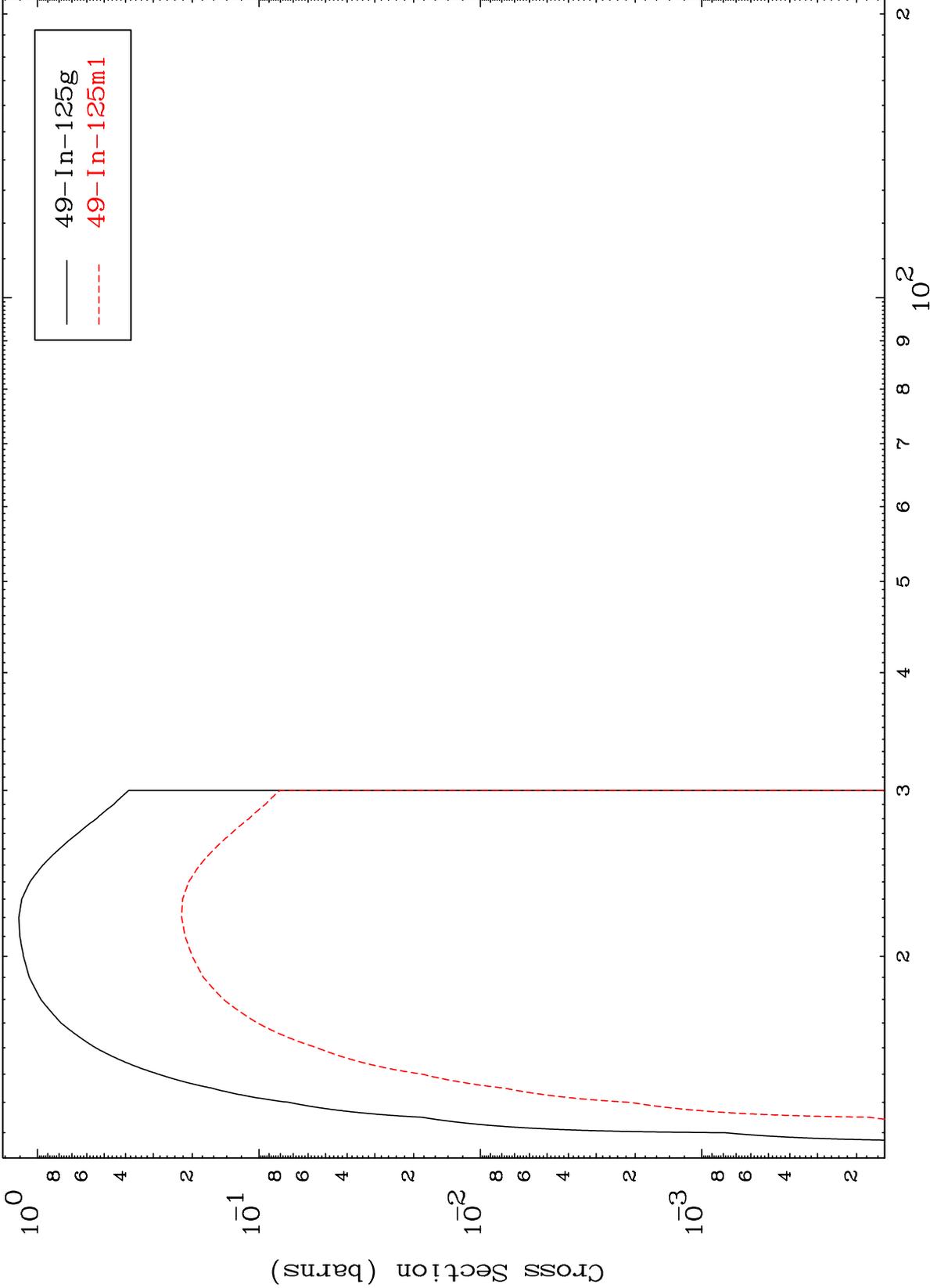
49-In-127

MAT 4967

(n,3n)

49-In-127

Radionuclide Production Cross Section



49-In-125g  
49-In-125m1

94

Incident Energy (MeV)

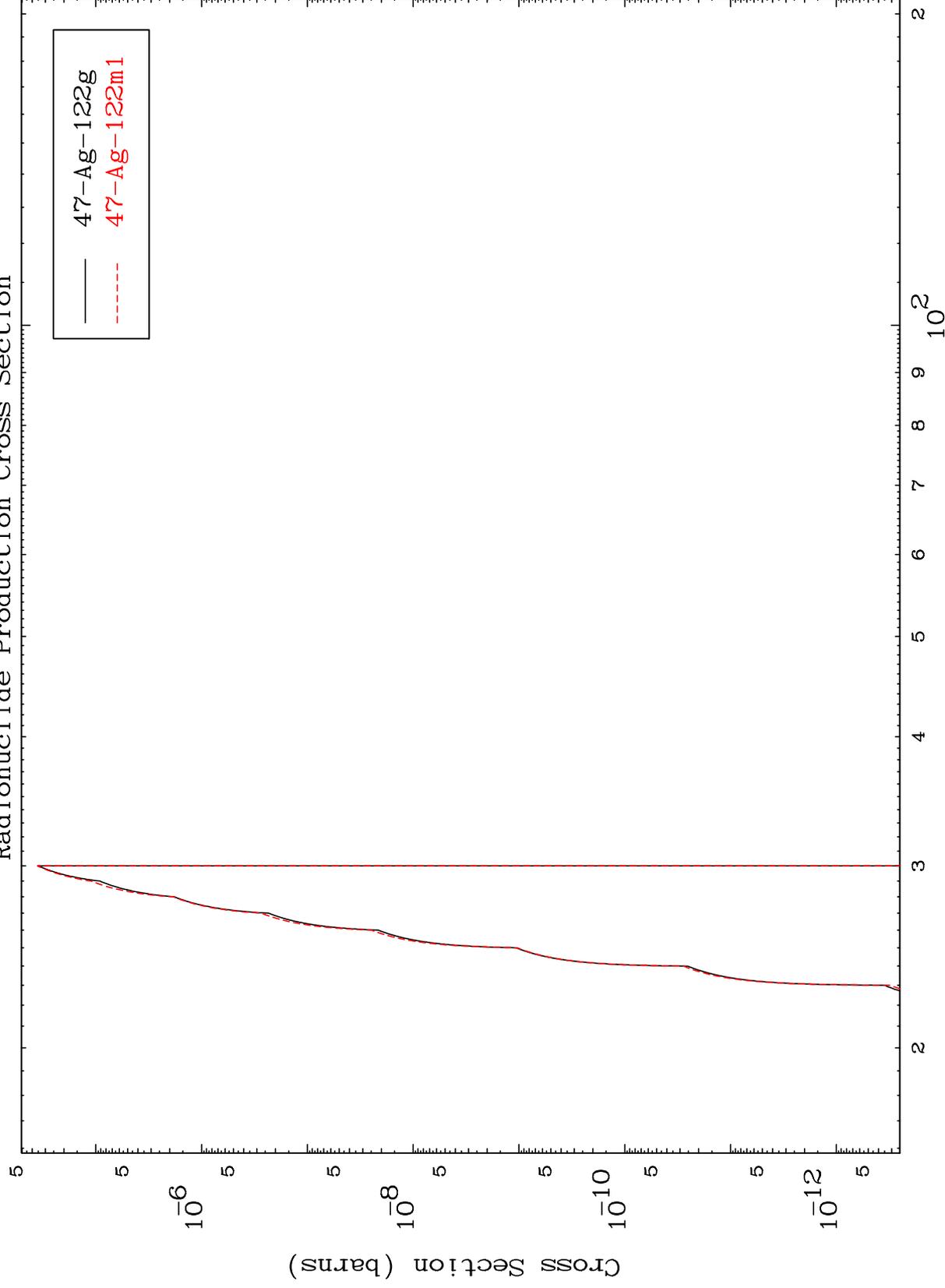
49-In-127

MAT 4967

(n,2n)  $\alpha$

49-In-127

Radionuclide Production Cross Section



95

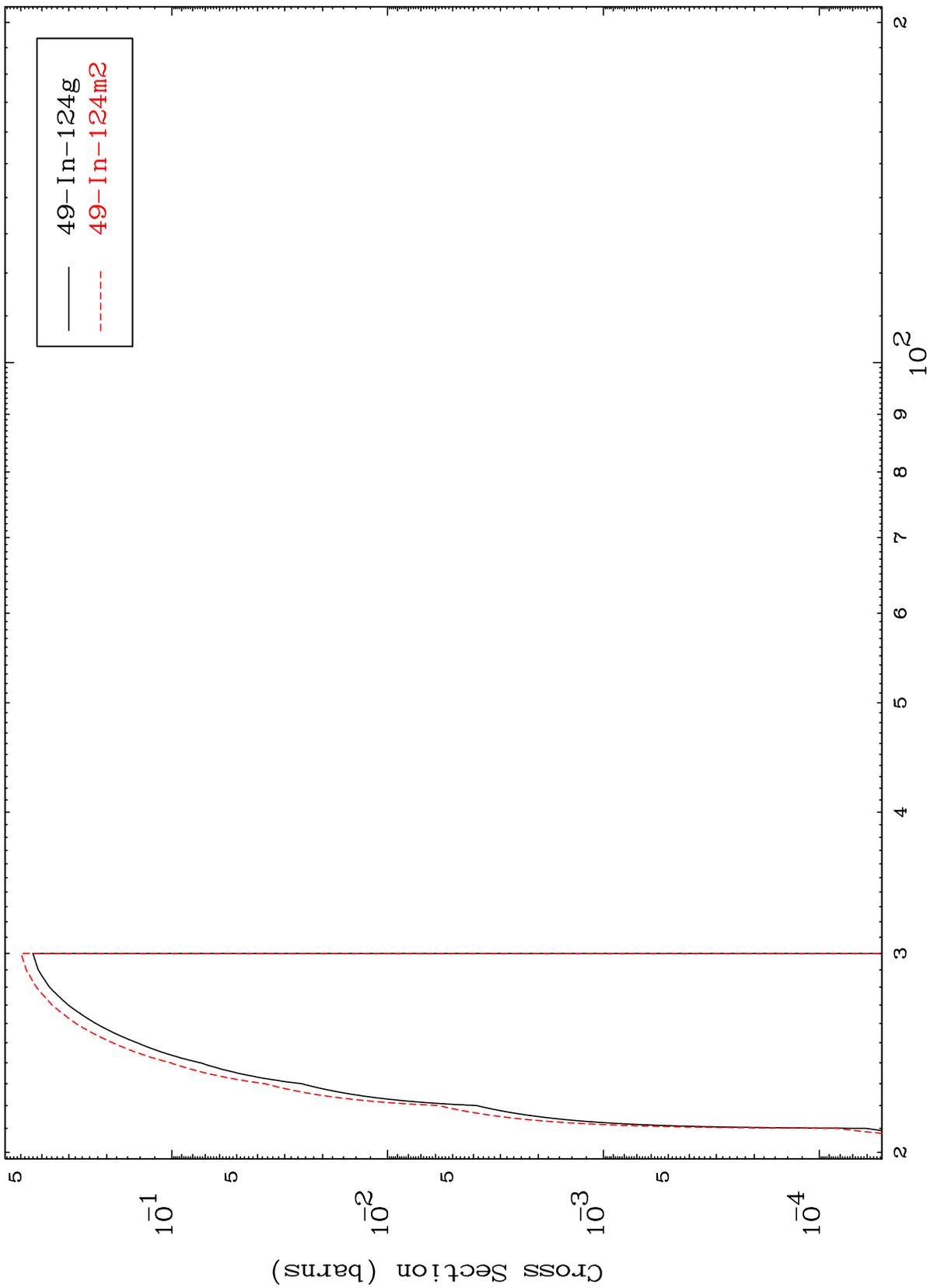
Incident Energy (MeV)

49-In-127

MAT 4967

49-In-127

(n,4n)  
Radionuclide Production Cross Section



49-In-124g  
49-In-124m2

49-In-127

Incident Energy (MeV)

96

MAT 4967

49-In-127

