

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

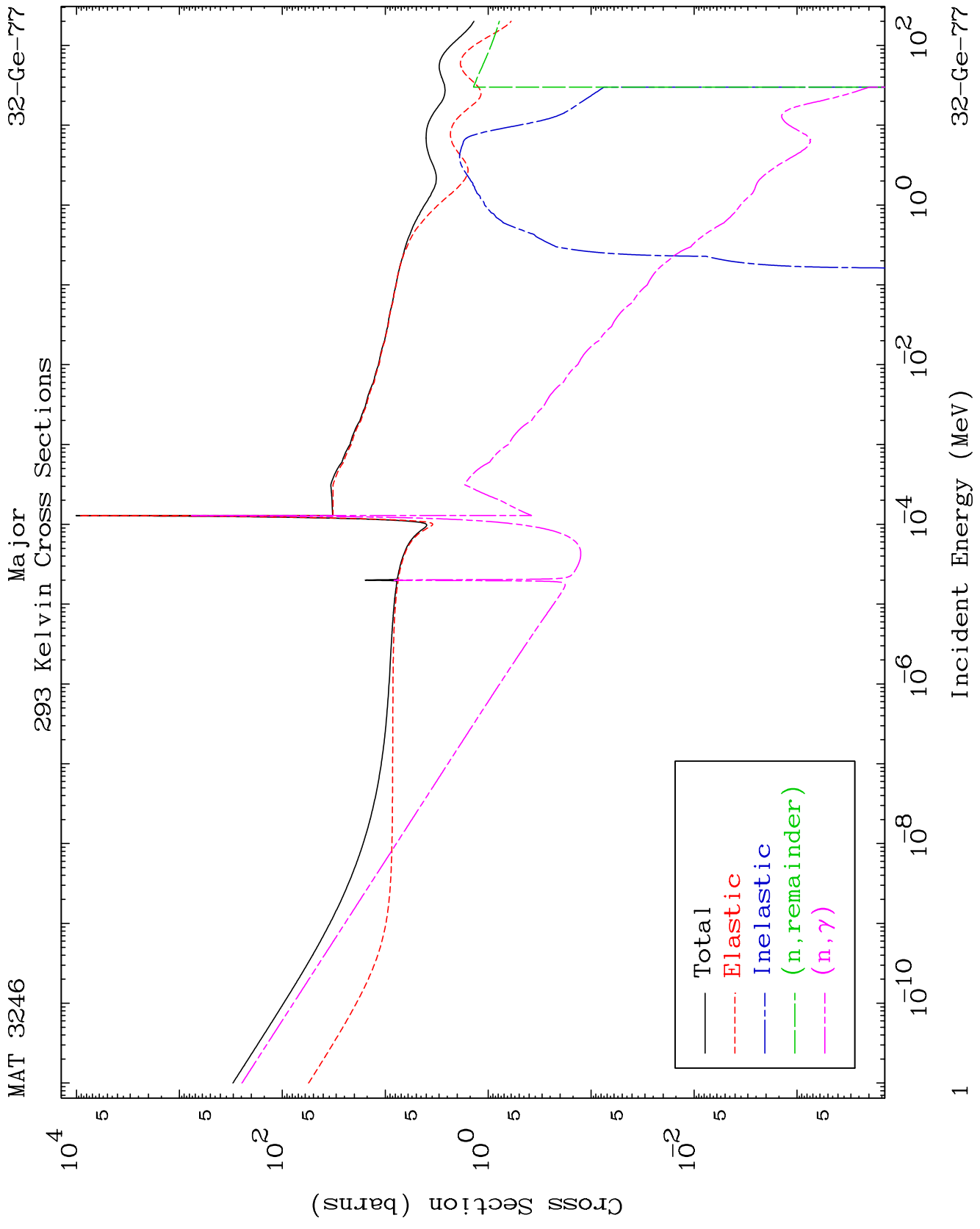
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E.Mail:redcullen1@comcast.net

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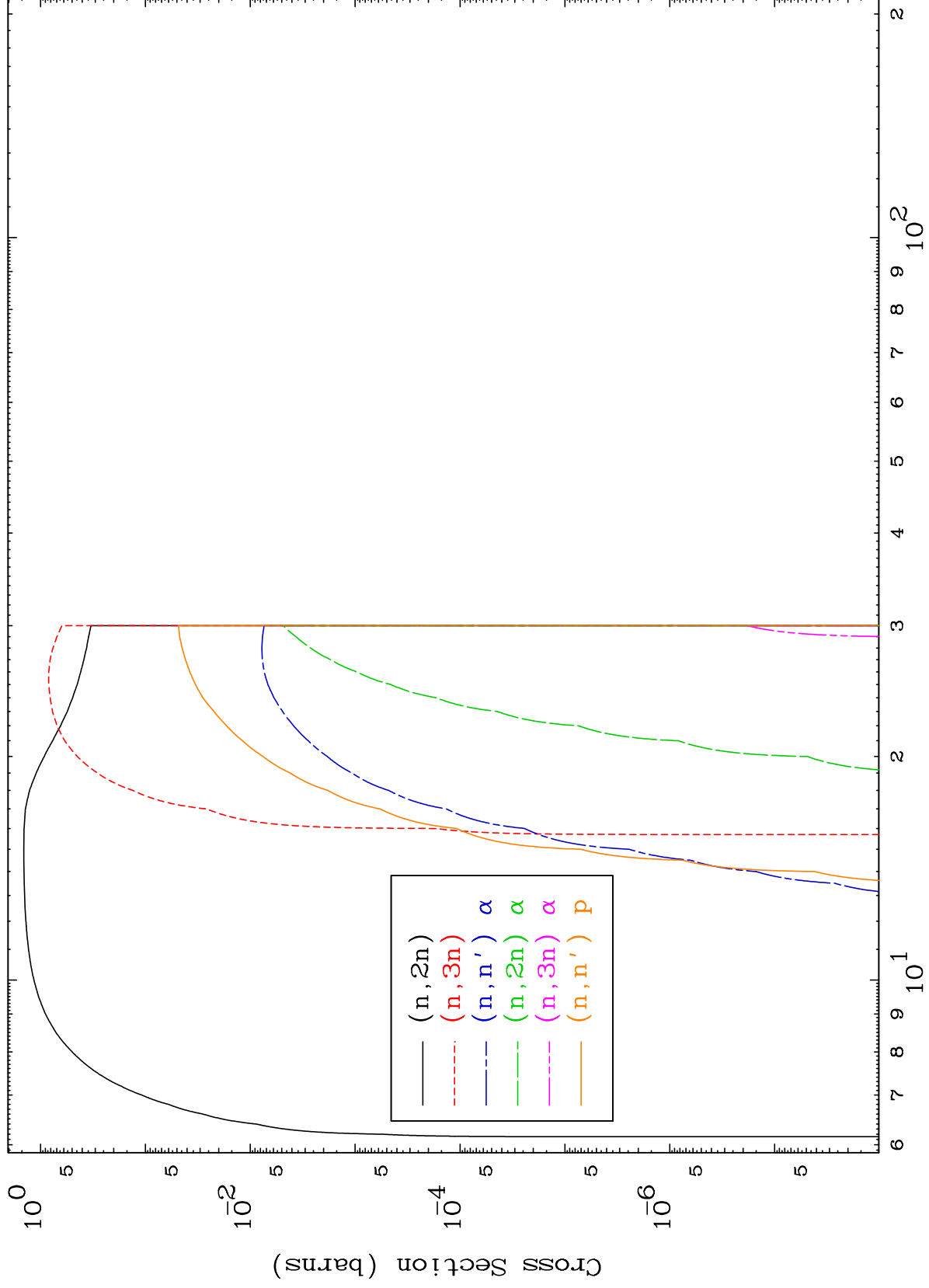
Press Mouse Button to Start



MAT 3246

Neutron Production  
293 Kelvin Cross Sections

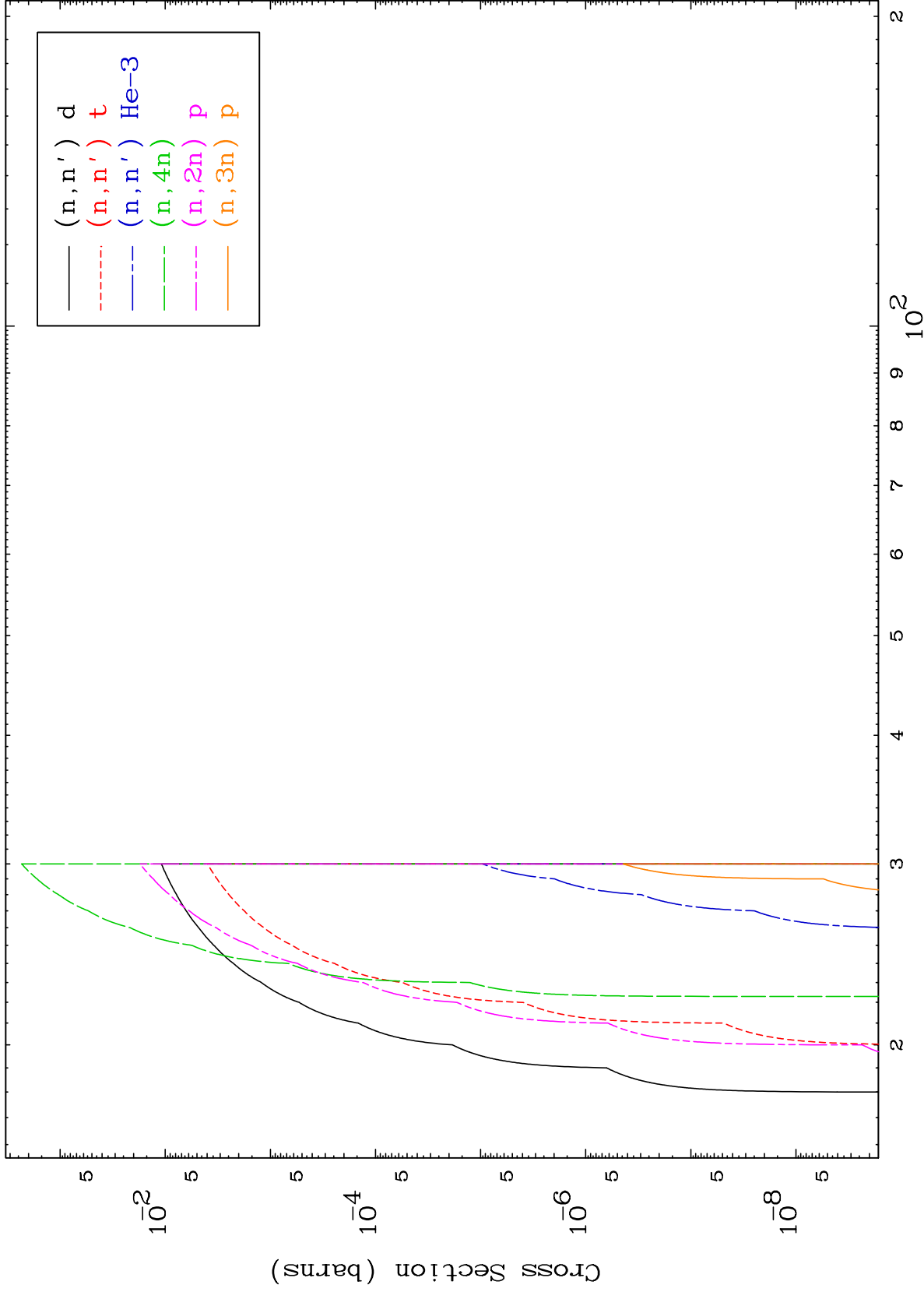
32-Ge-77



Incident Energy (MeV)

32-Ge-77

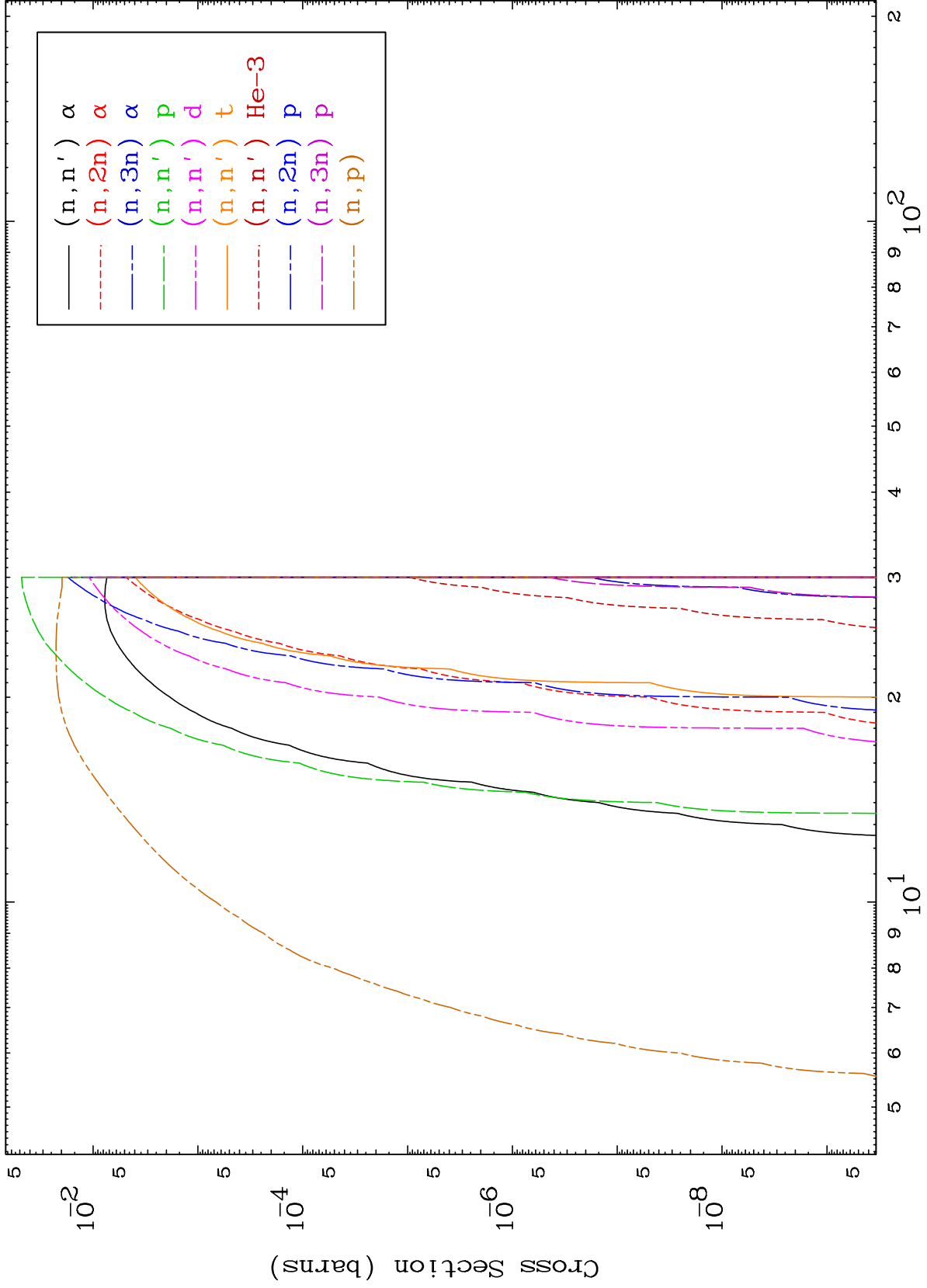
2



MAT 3246

Charged Particle  
293 Kelvin Cross Sections

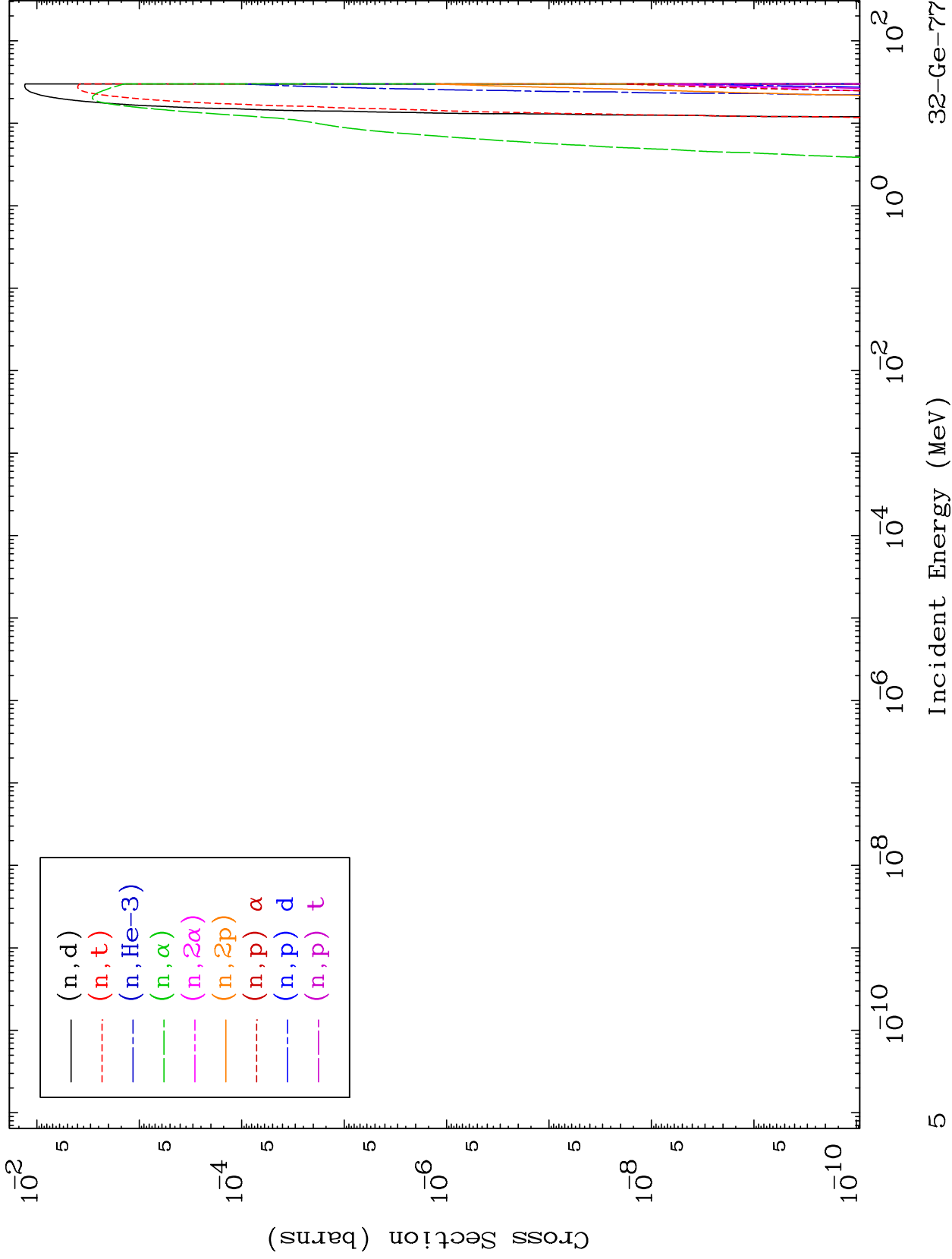
32-Ge-77



MAT 3246

Charged Particle  
293 Kelvin Cross Sections

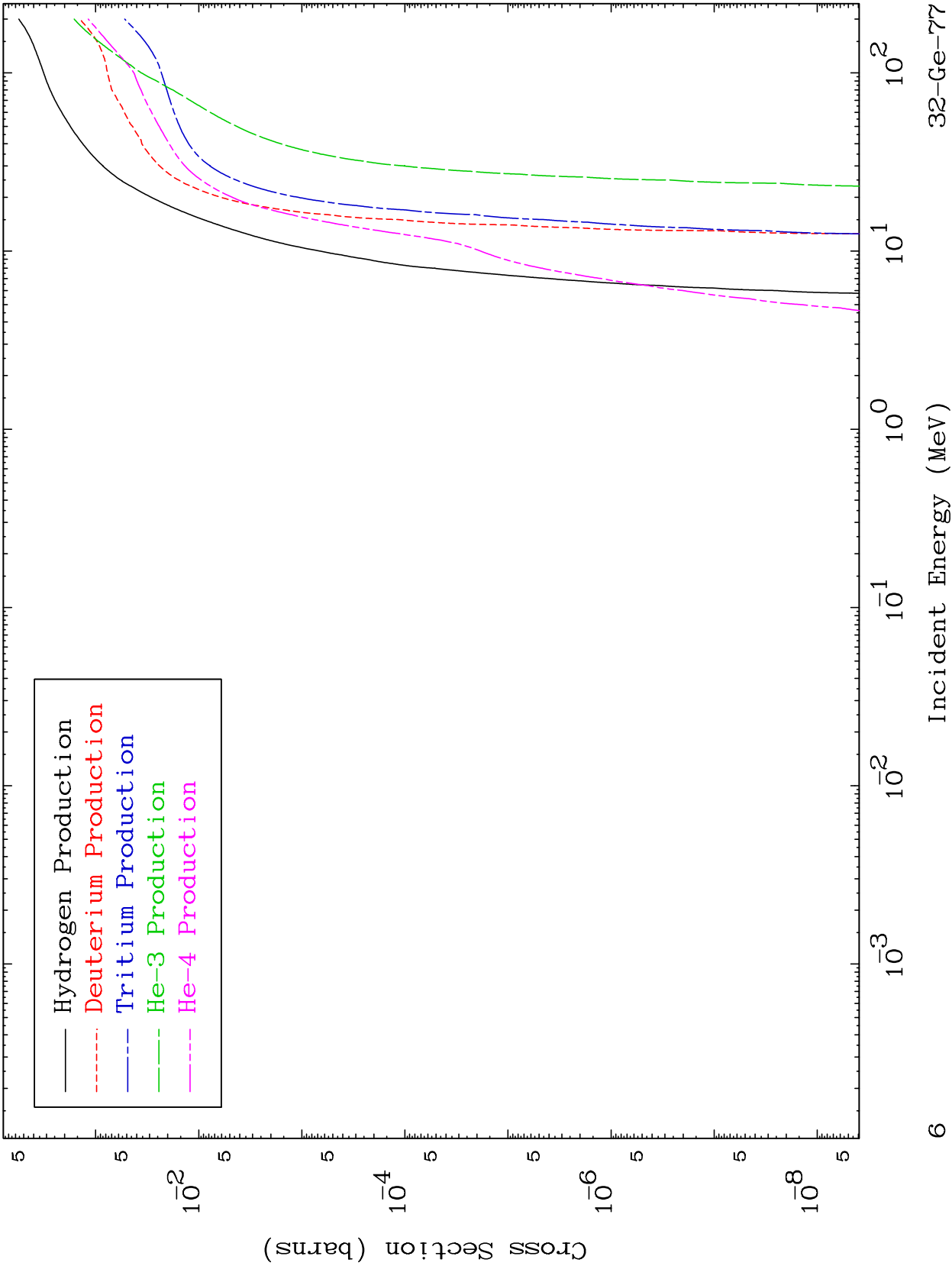
32-Ge-77



MAT 3246

Particle Production  
293 Kelvin Cross Sections

32-Ge-77

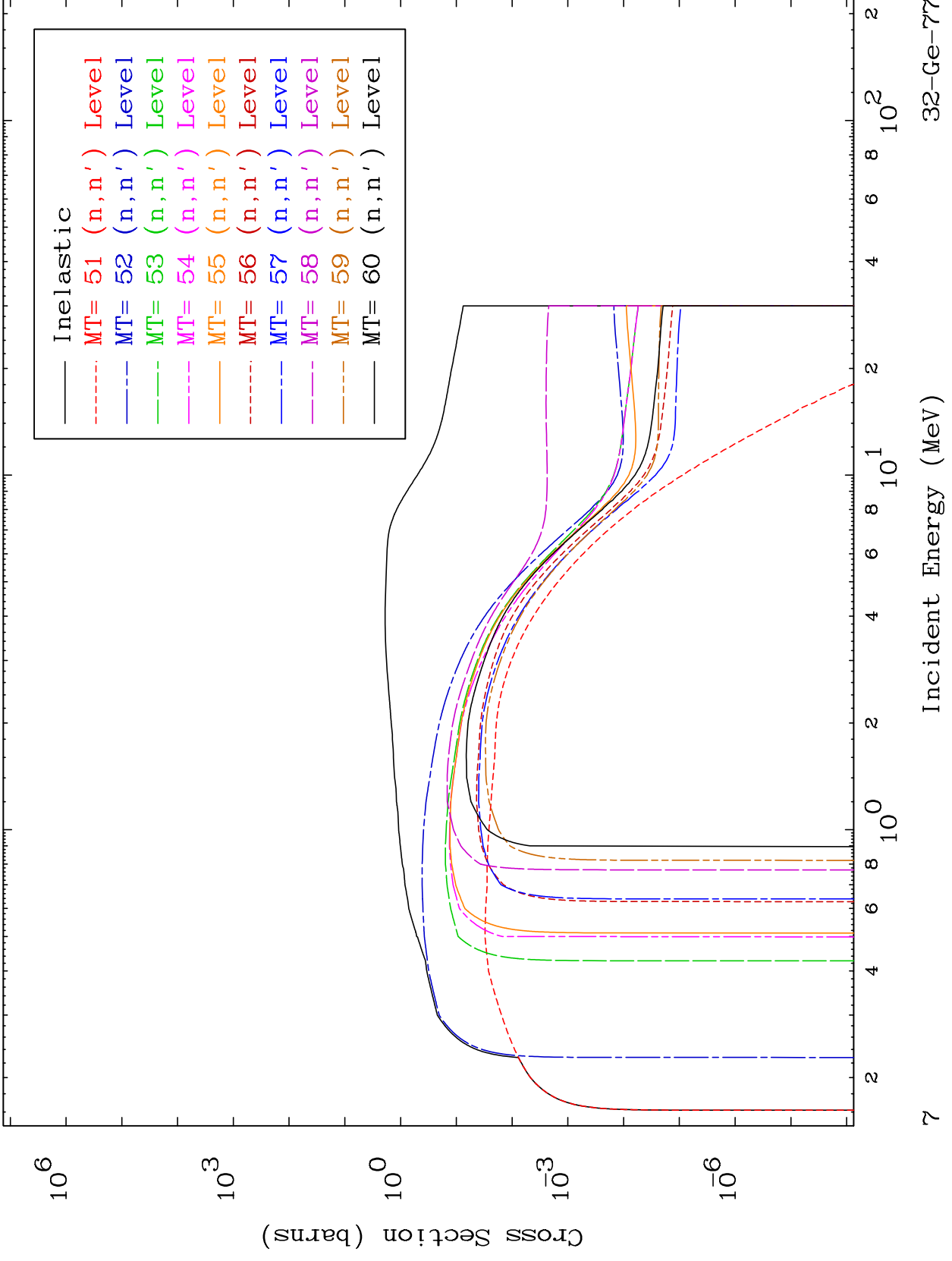


MAT 3246

(n,n') Level

32-Ge-77

293 Kelvin Cross Sections



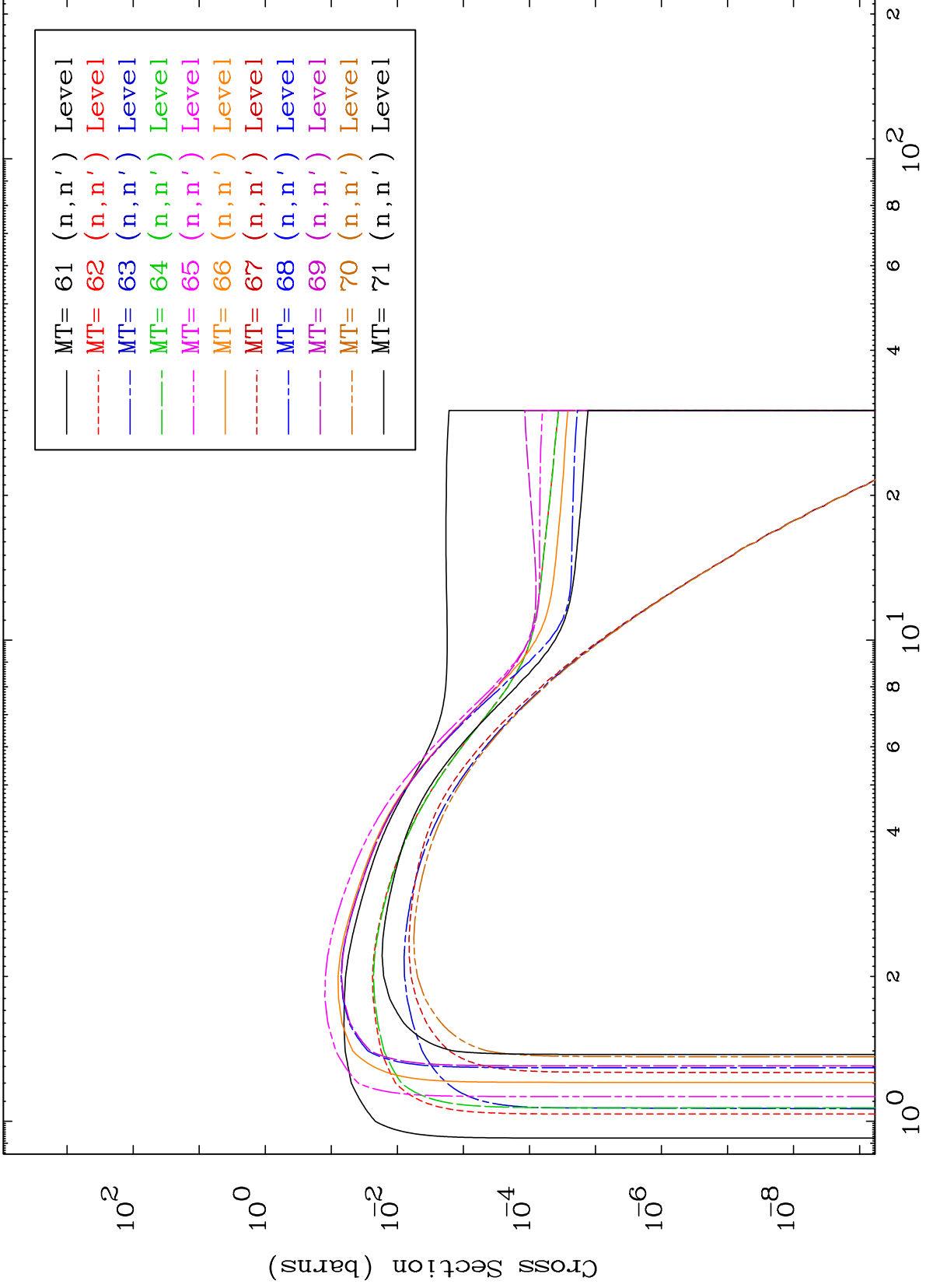


MAT 3246

(n,n') Level

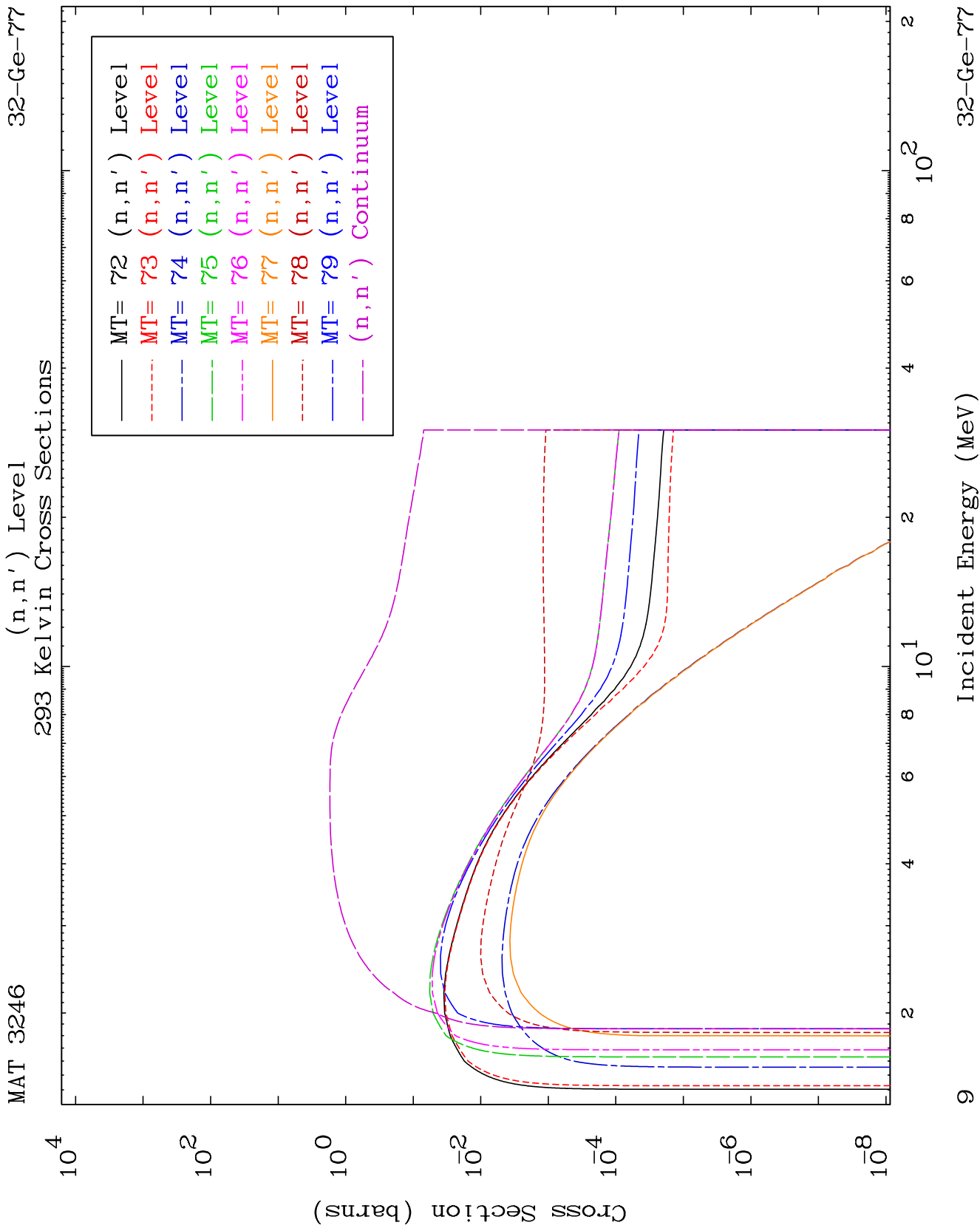
32-Ge-77

293 Kelvin Cross Sections



Incident Energy (MeV)

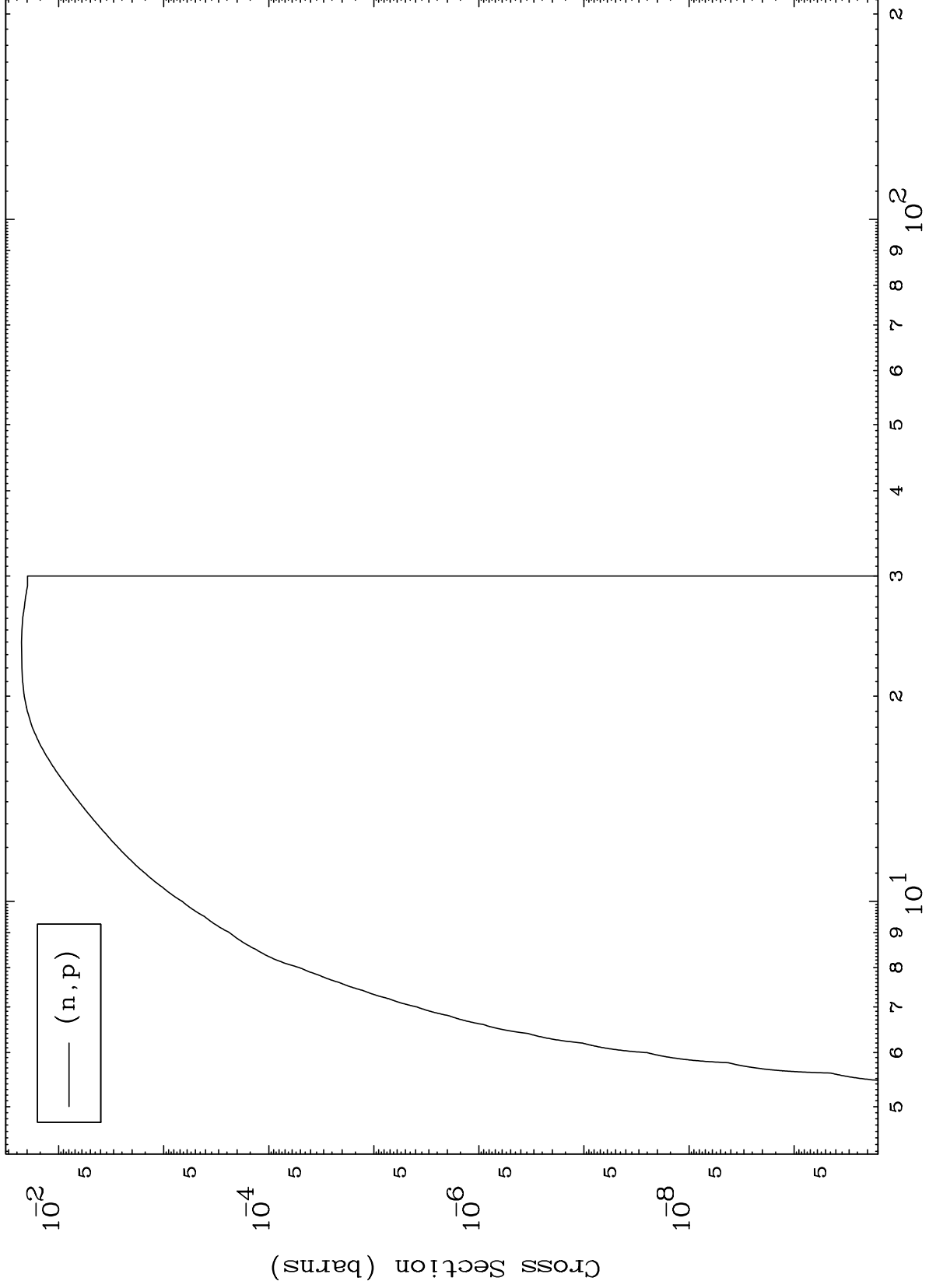
32-Ge-77



MAT 3246

(n,p) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77



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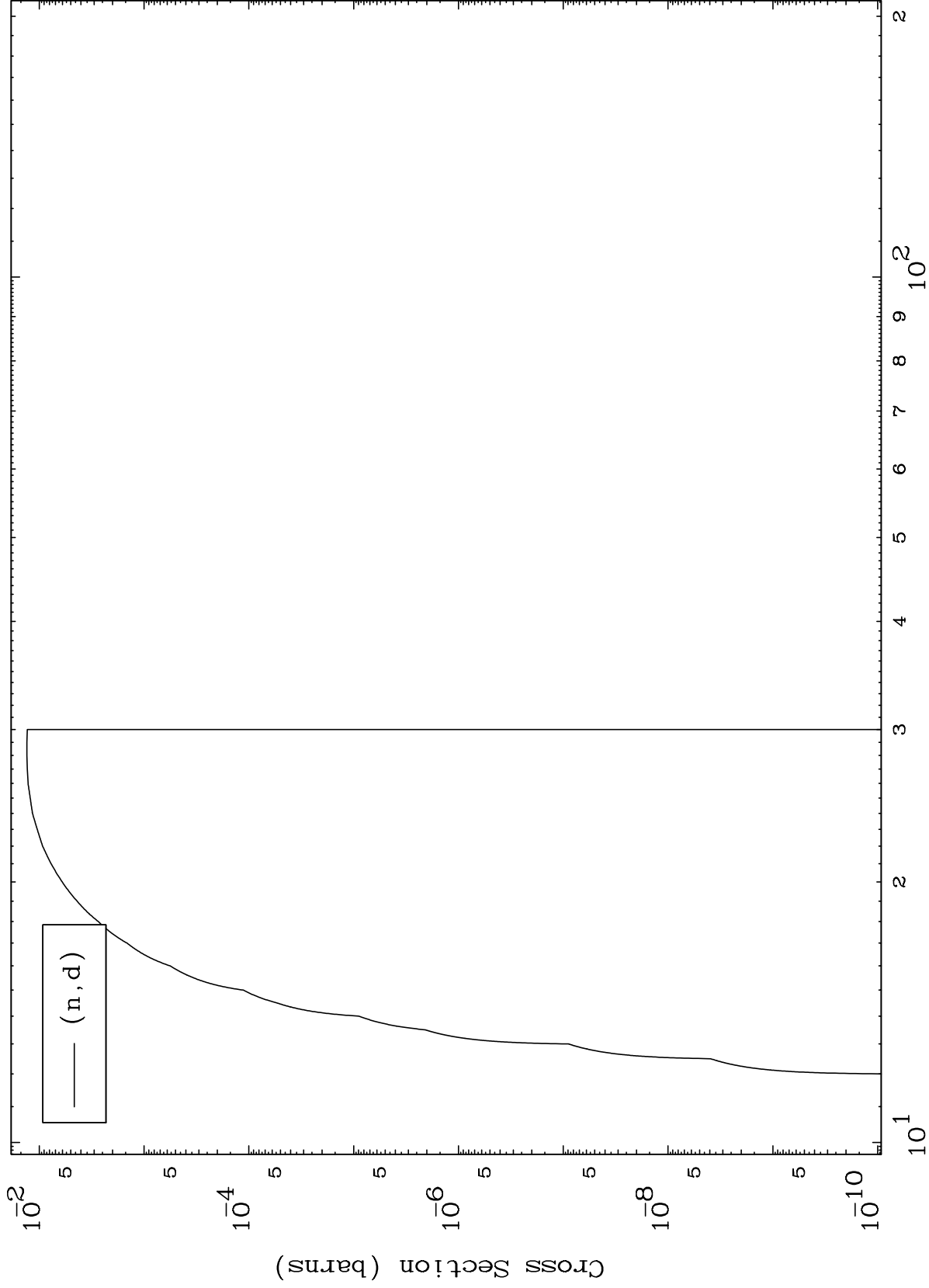
Incident Energy (MeV)

<sup>32</sup>Ge-77

MAT 3246

(n,d) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77



Incident Energy (MeV)

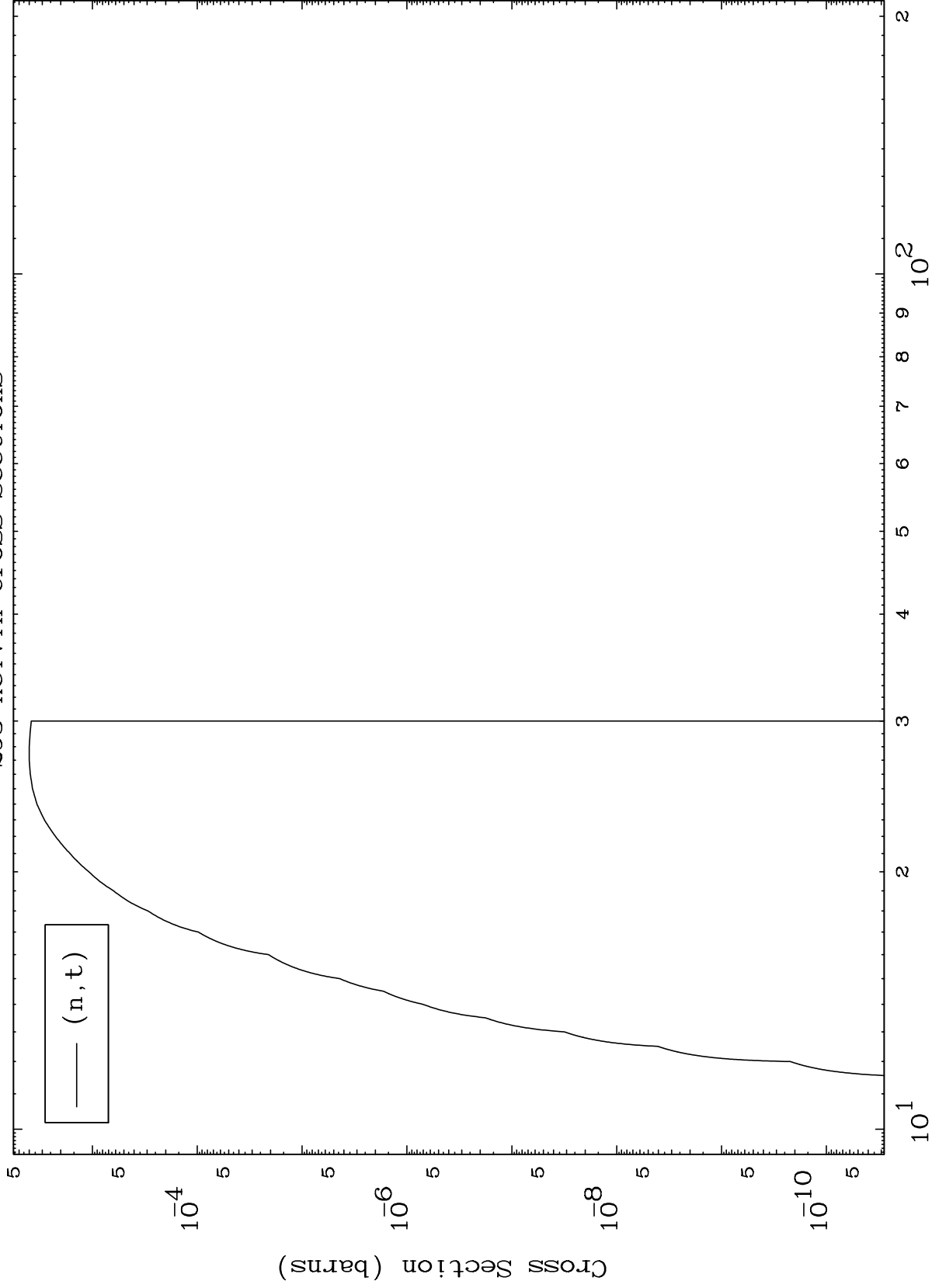
<sup>32</sup>Ge-77

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MAT 3246

(n,t) Levels  
293 Kelvin Cross Sections

32-Ge-77



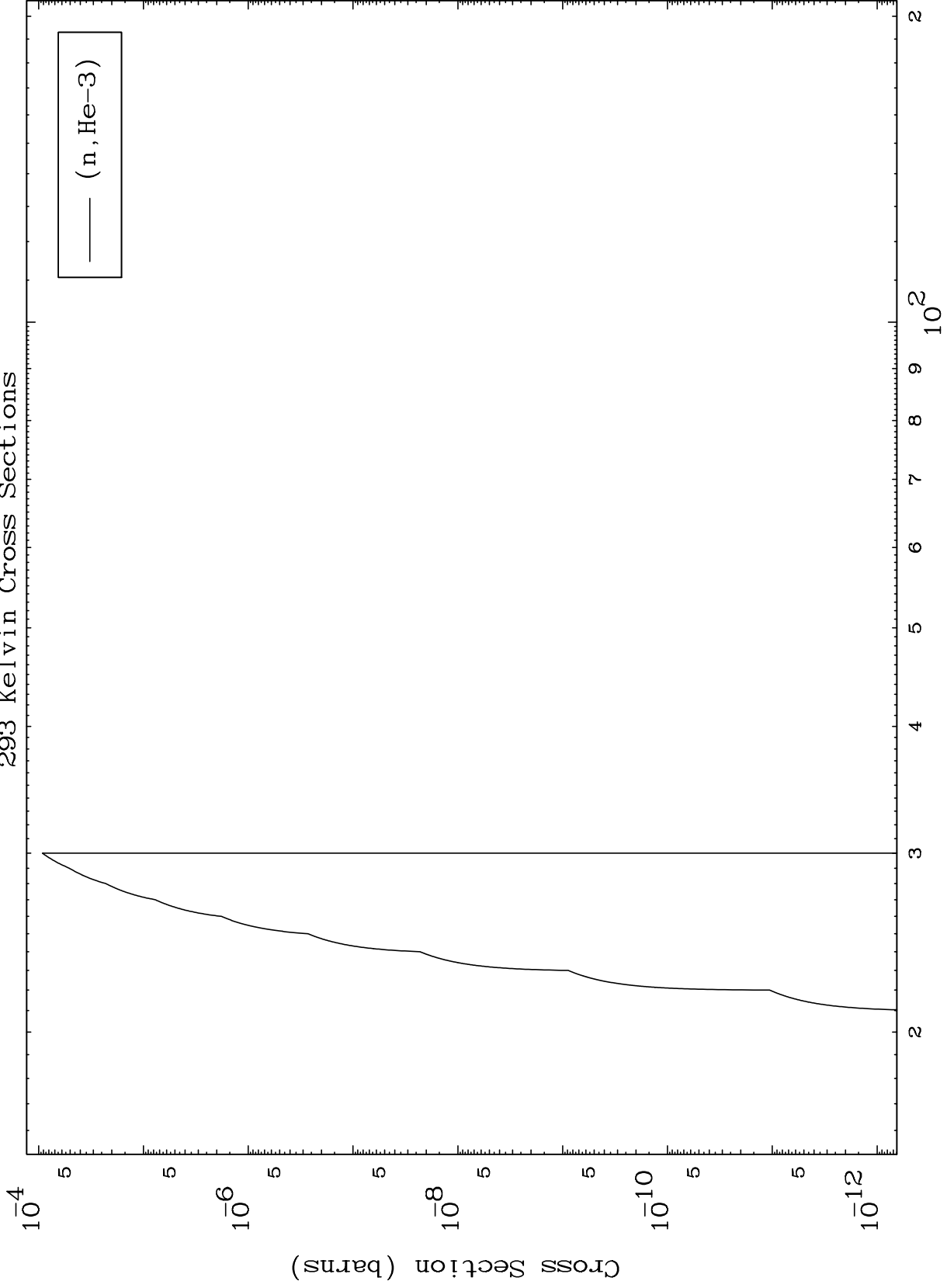
Incident Energy (MeV)

32-Ge-77

MAT 3246

(n,He3) Levels  
293 Kelvin Cross Sections

32-Ge-77



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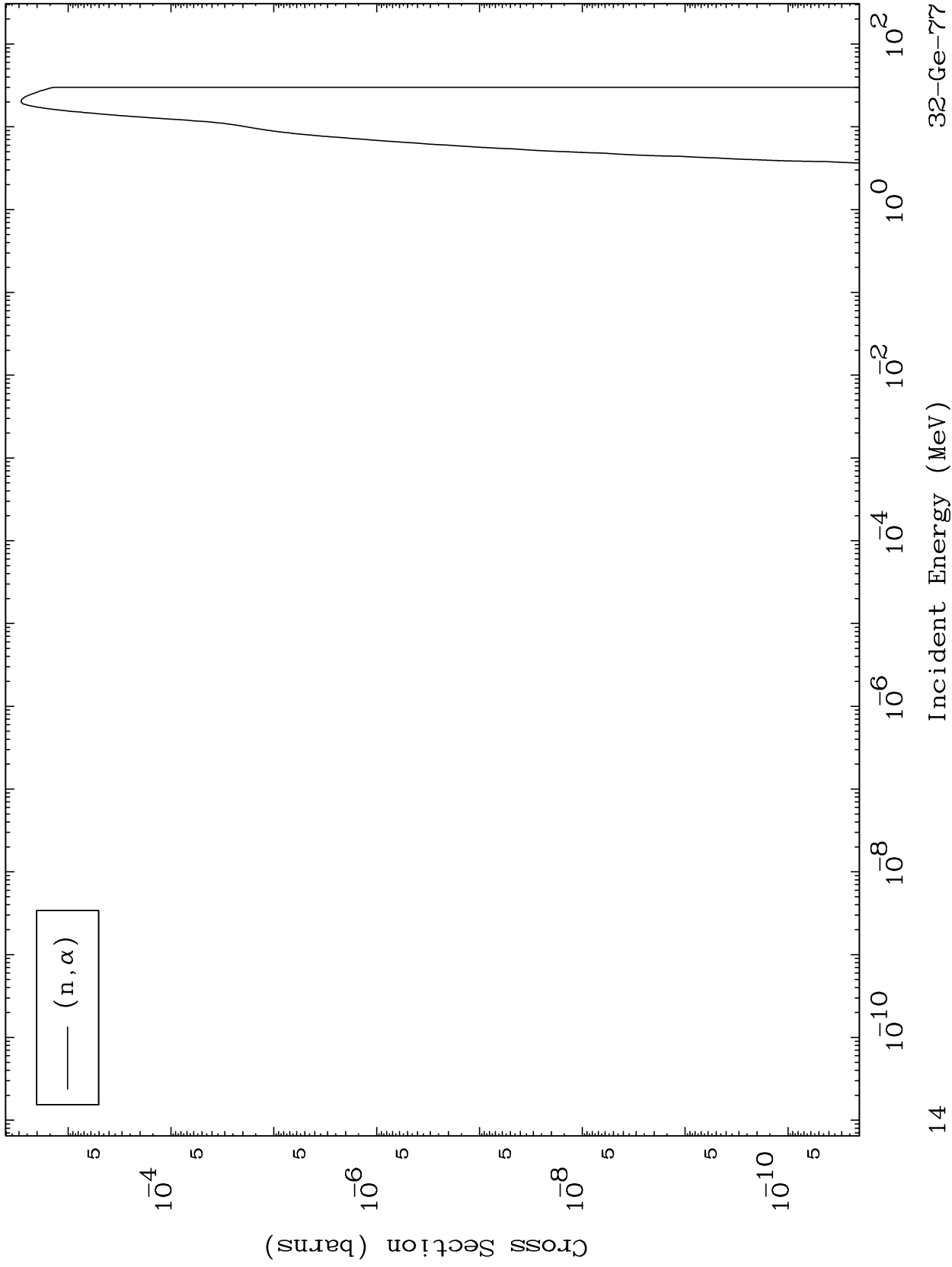
Incident Energy (MeV)

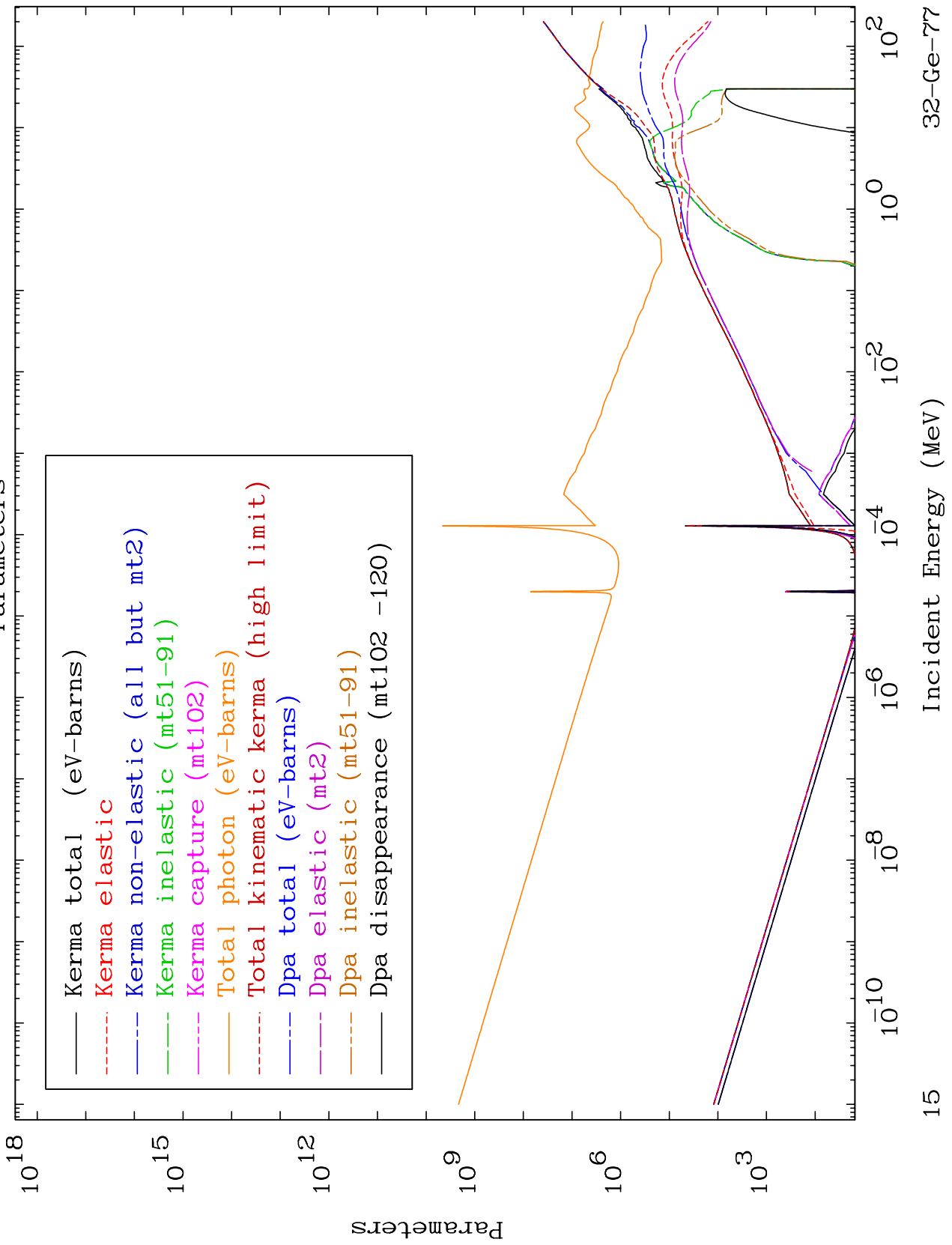
32-Ge-77

MAT 3246

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

32-Ge-77



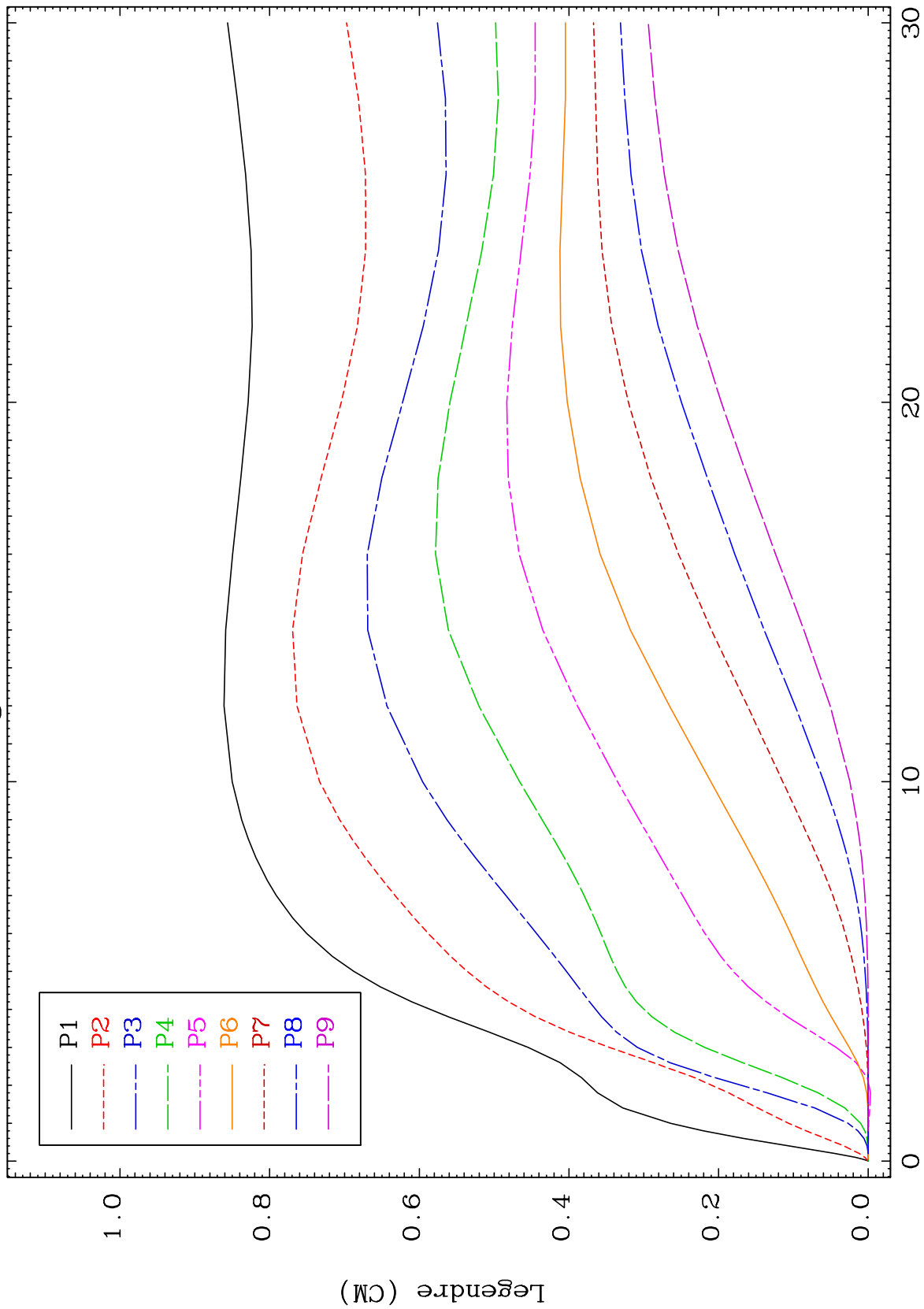




MAT 3246

Elastic Legendre Coefficients

<sup>32</sup>Ge-<sup>77</sup>



- P1
- P2
- P3
- P4
- P5
- P6
- P7
- P8
- P9

16

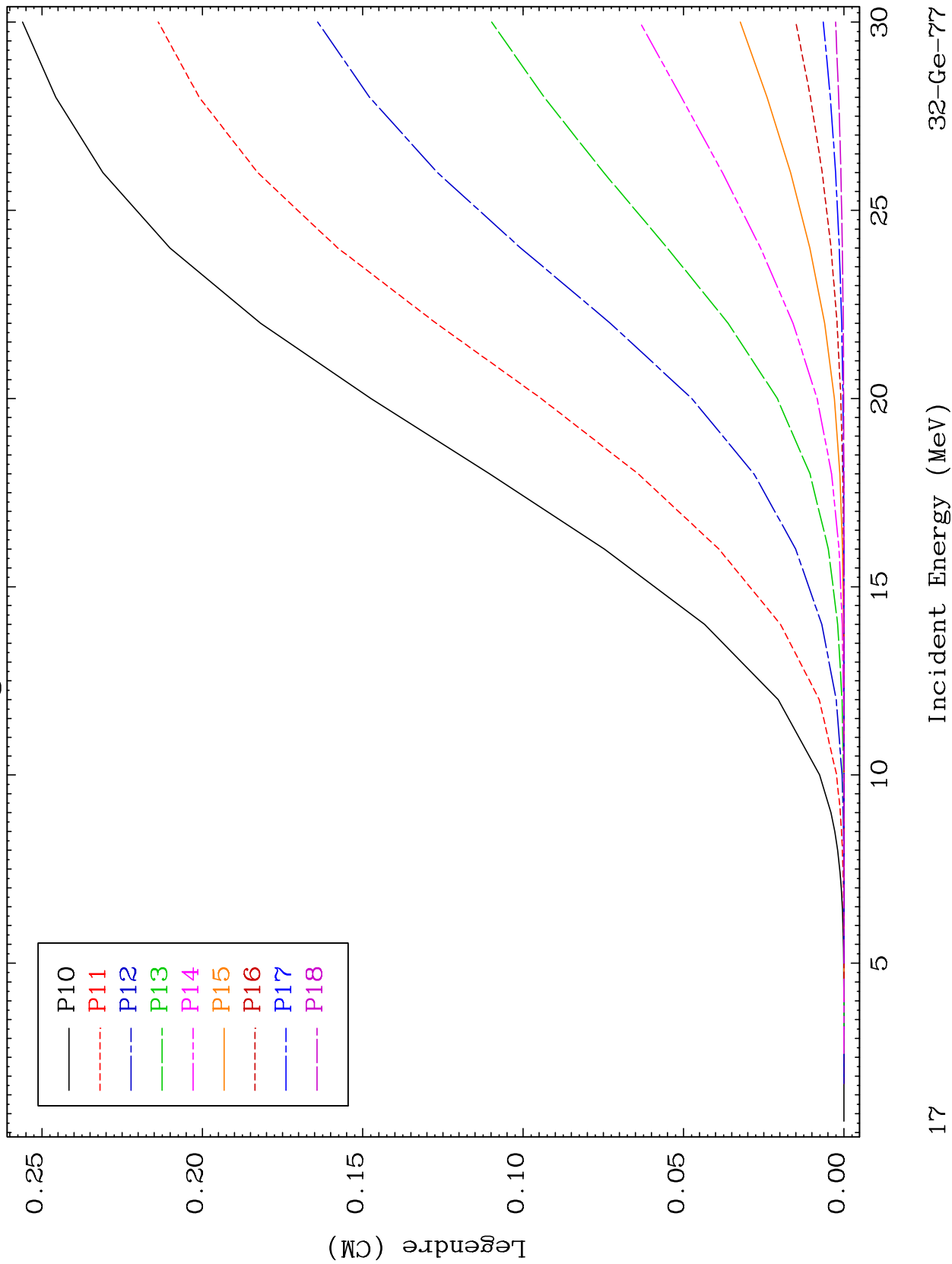
Incident Energy (MeV)

<sup>32</sup>Ge-<sup>77</sup>

MAT 3246

Elastic Legendre Coefficients

<sup>32</sup>Ge-77



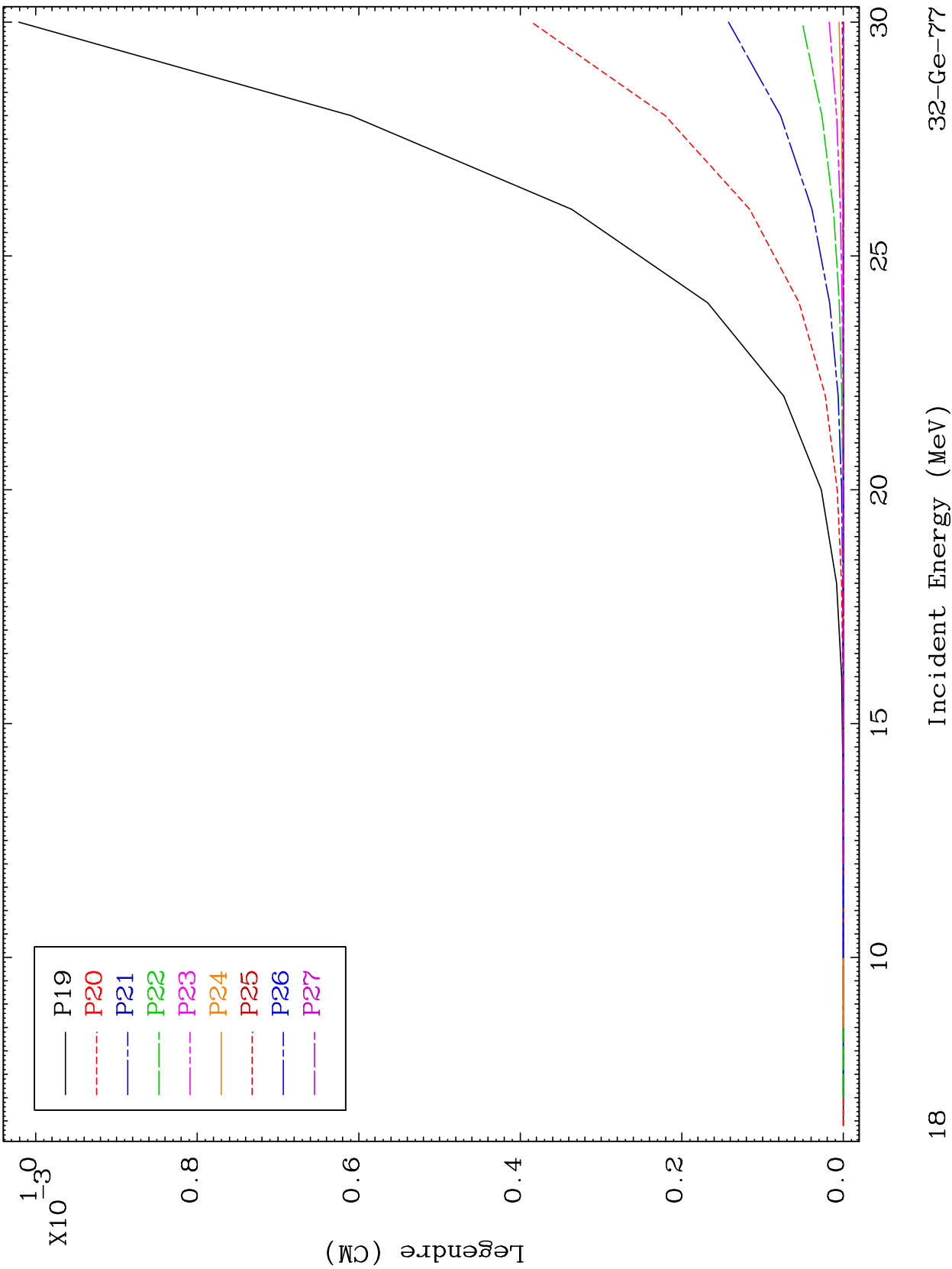
17

<sup>32</sup>Ge-77

MAT 3246

Elastic Legendre Coefficients

<sup>32</sup>Ge-77



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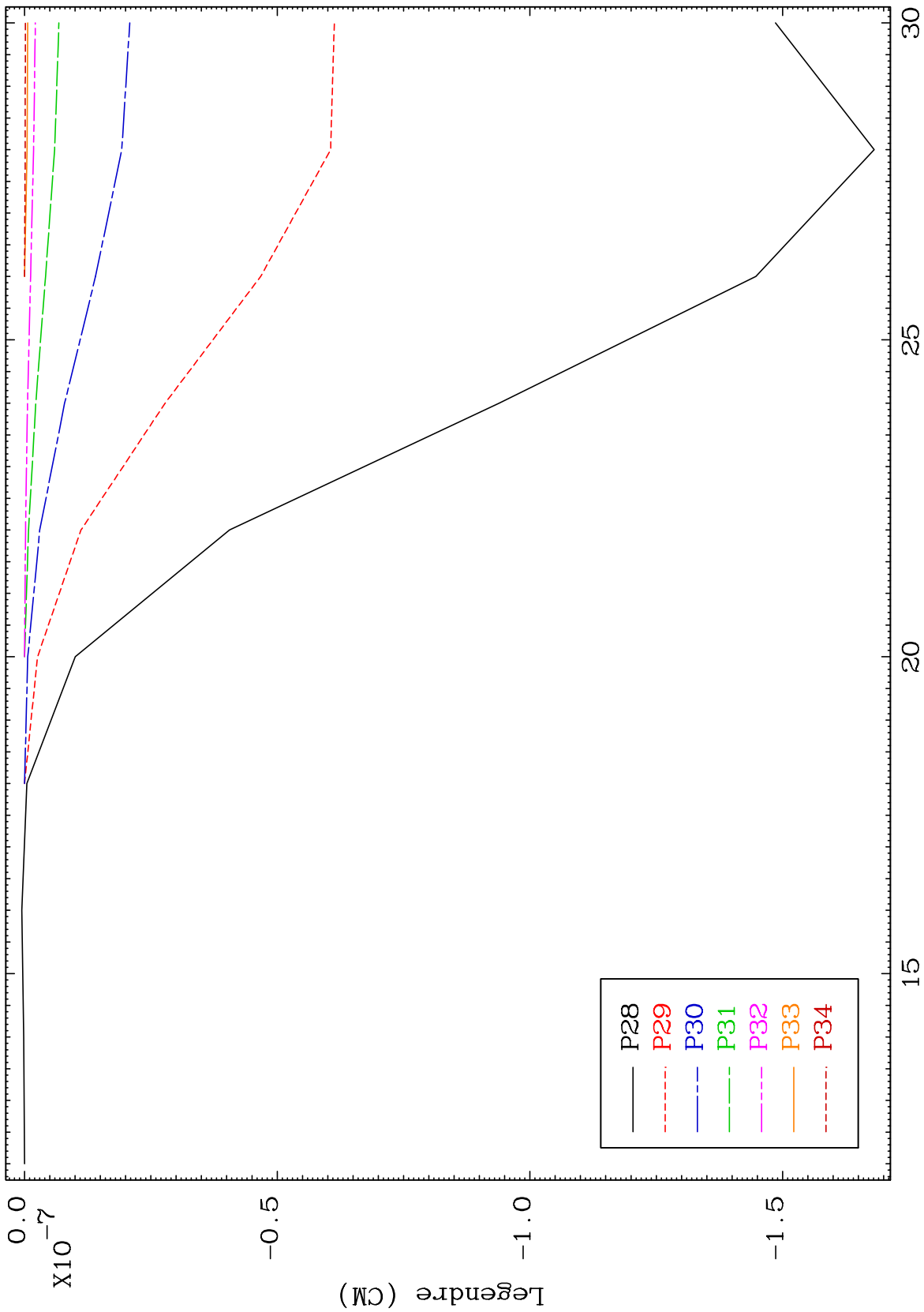
Incident Energy (MeV)

<sup>32</sup>Ge-77

MAT 3246

32-Ge-77

Elastic Legendre Coefficients



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Incident Energy (MeV)

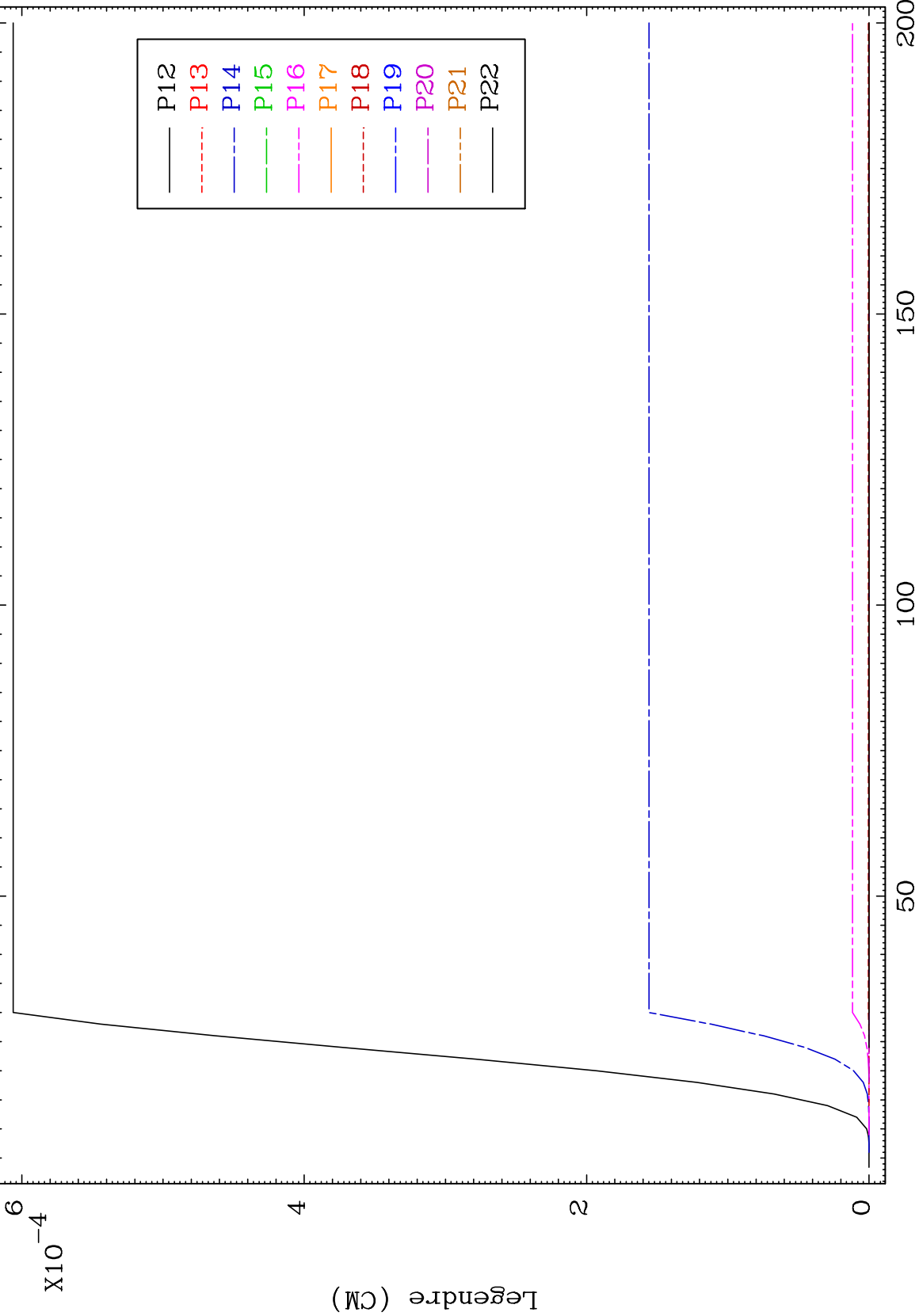
32-Ge-77



MAT 3246

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

32-Ge-77



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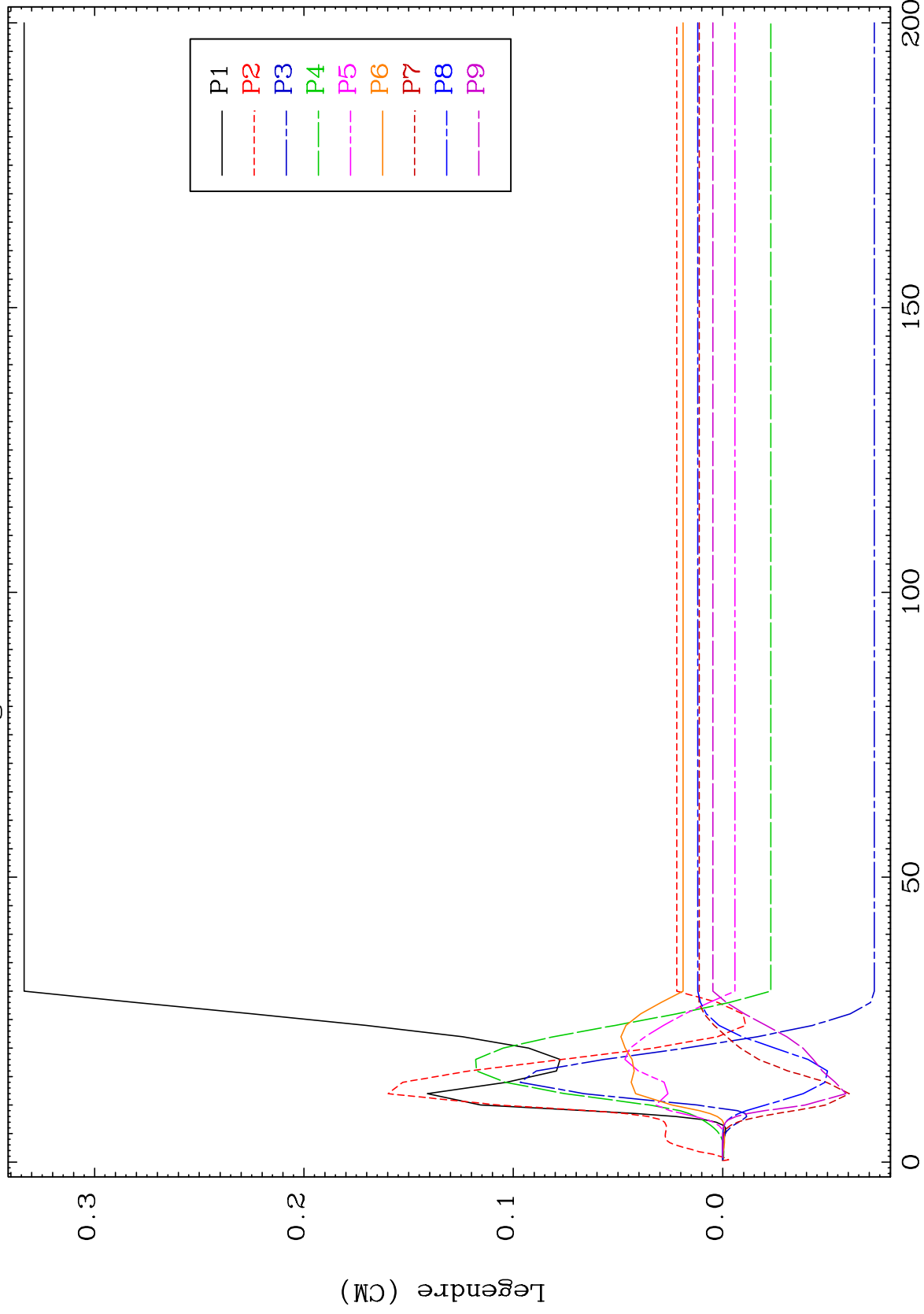
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



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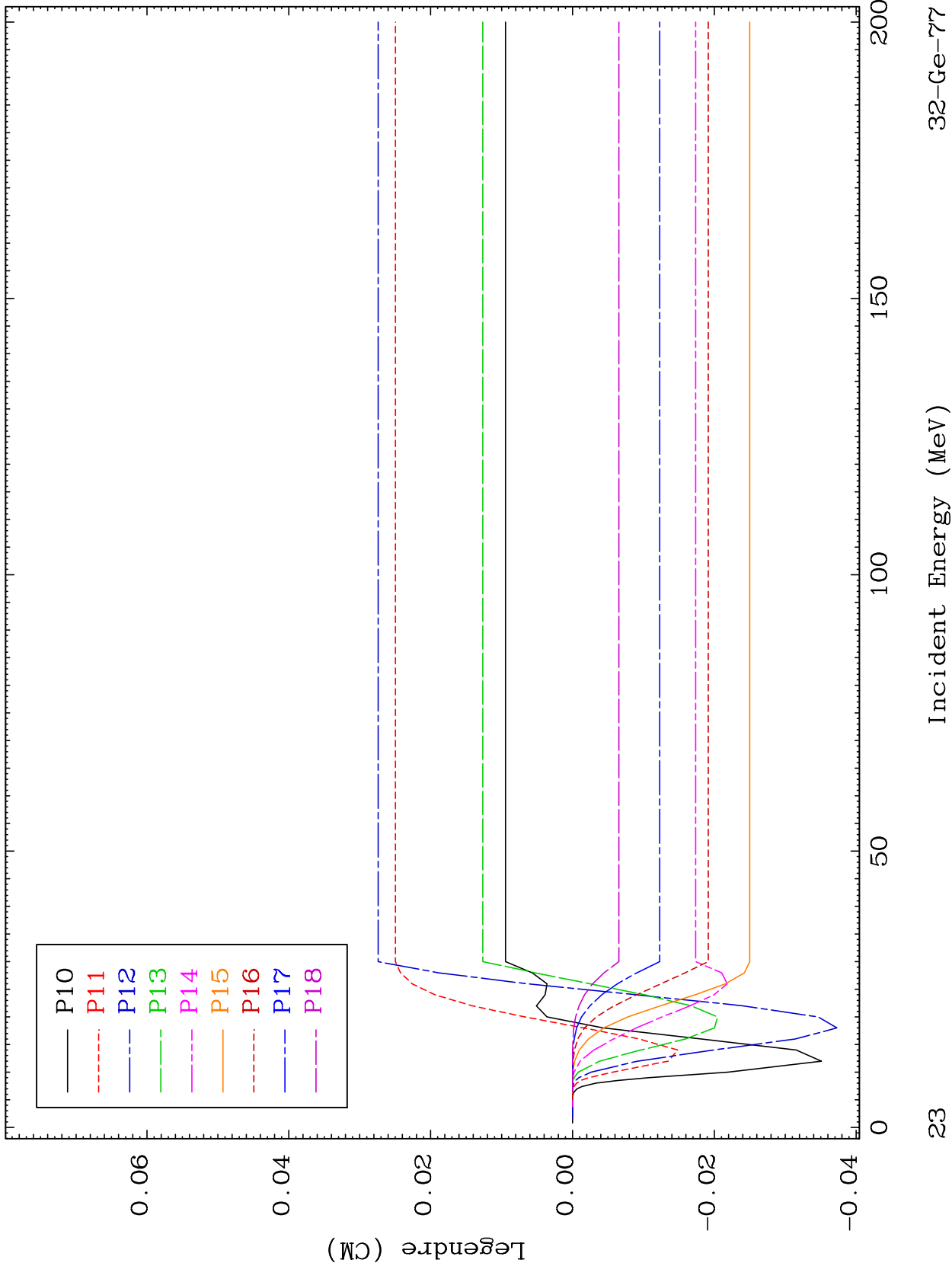
Incident Energy (MeV)

32-Ge-77

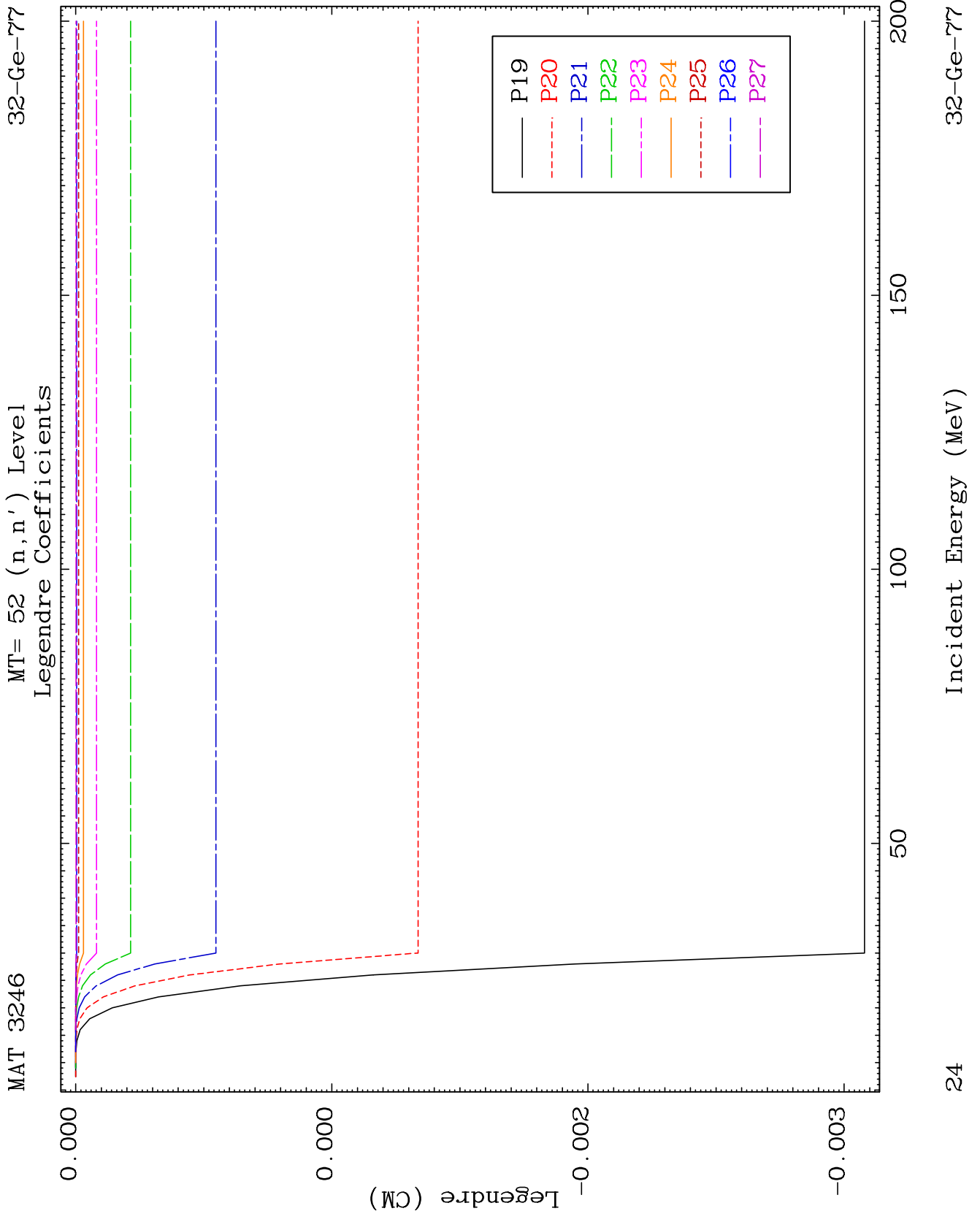
MAT 3246

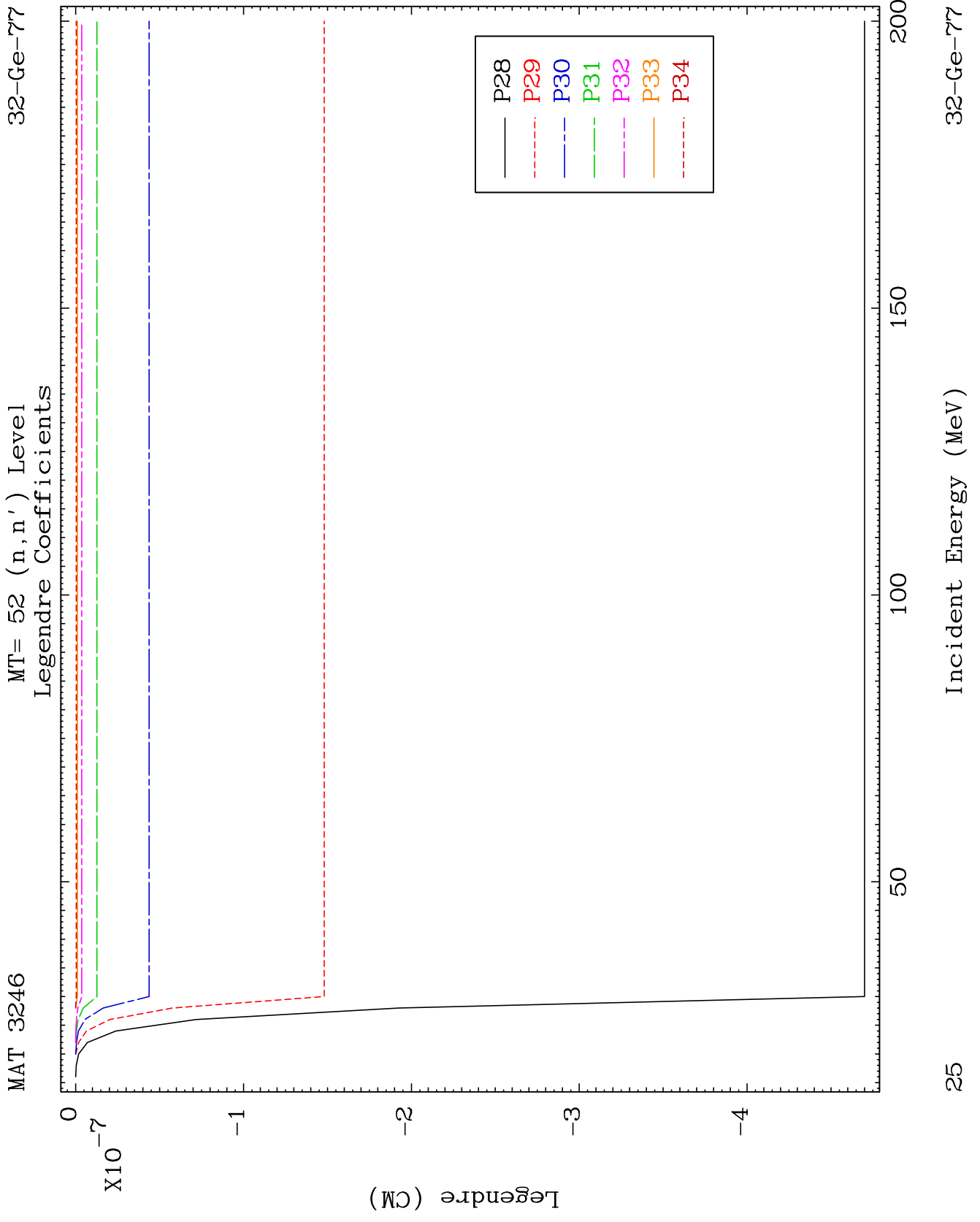
MT= 52 (n,n') Level  
Legendre Coefficients

32-Ge-77







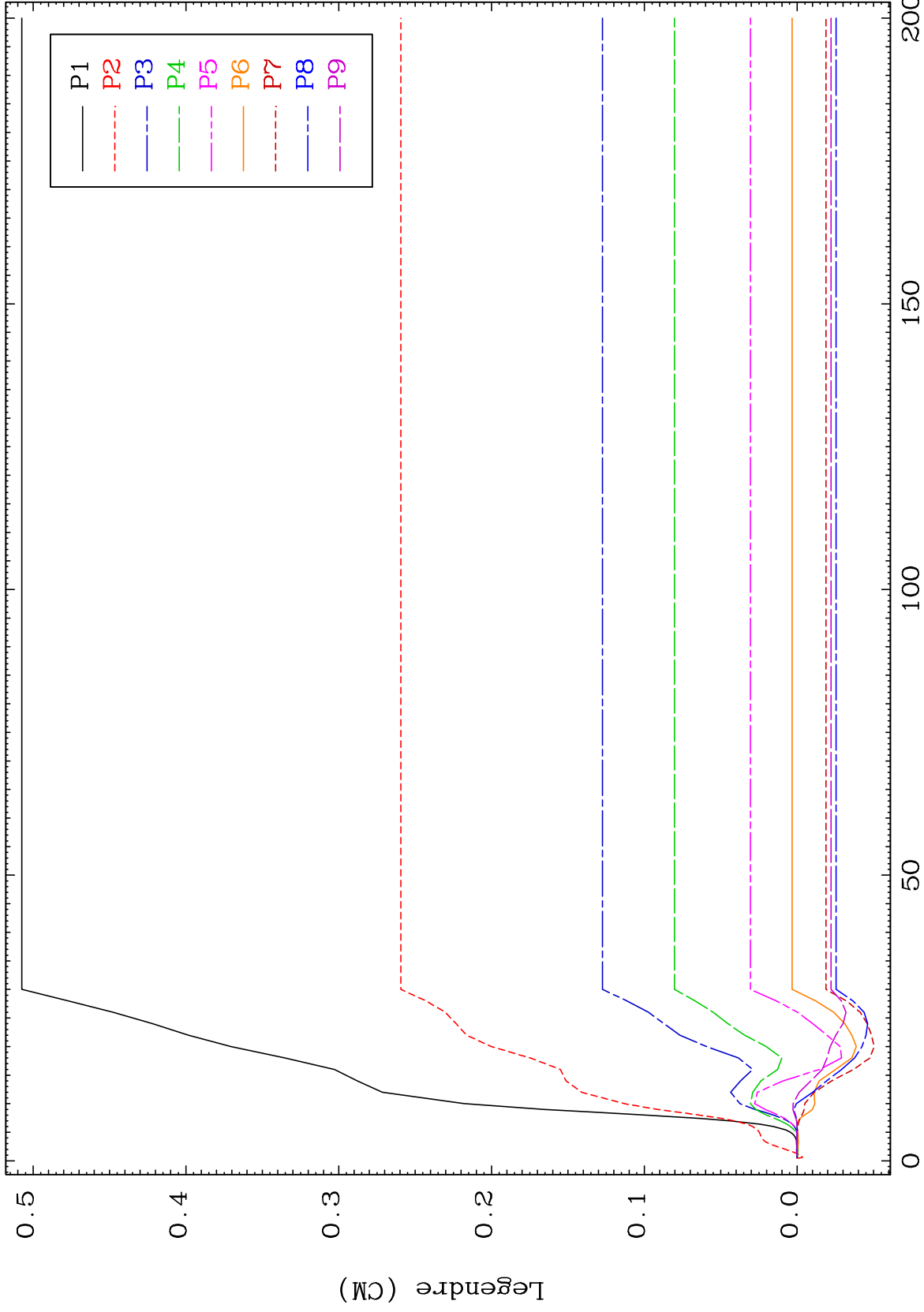


MAT 3246

MT= 53 (n,n') Level

32-Ge-77

Legendre Coefficients



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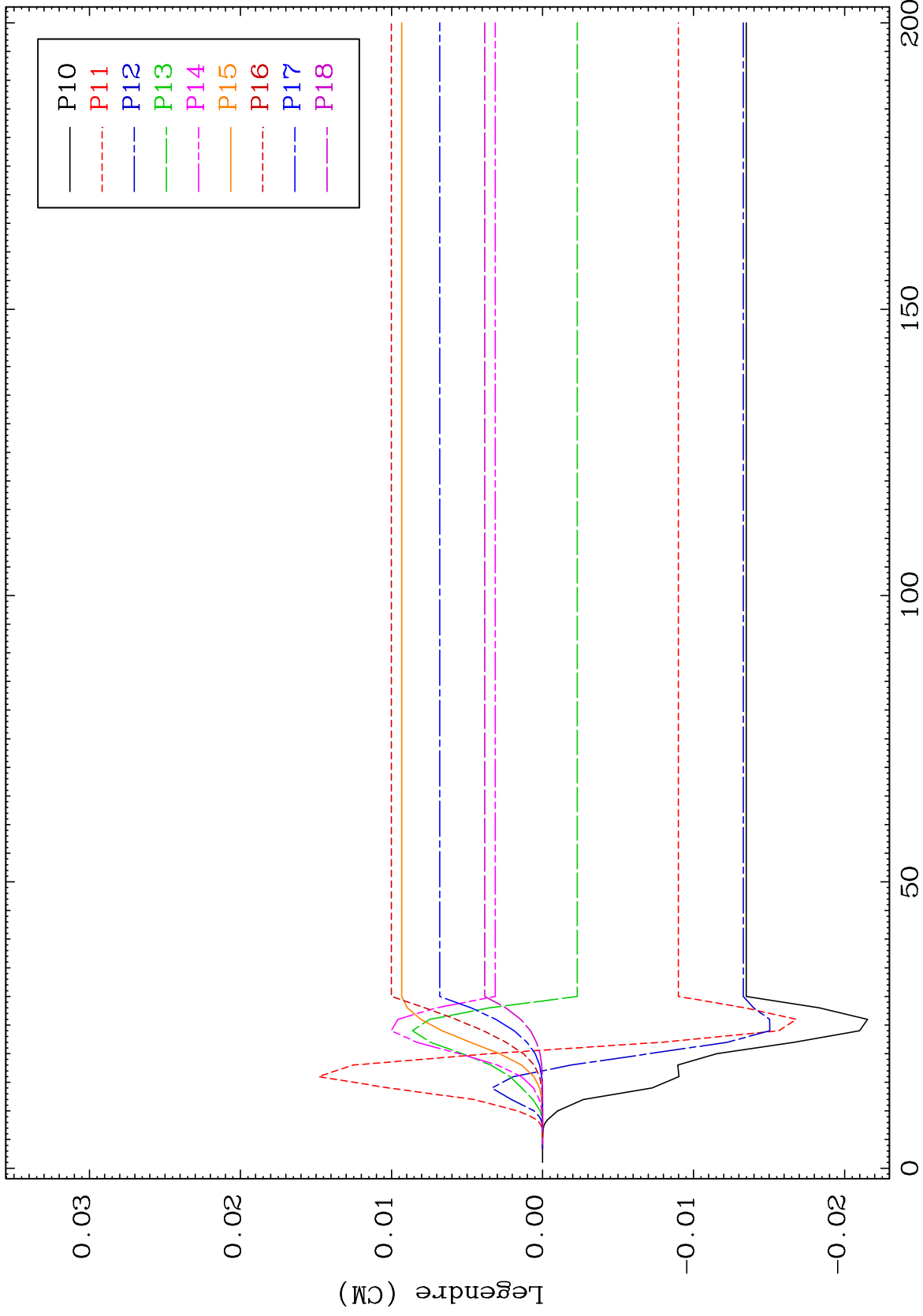
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



27

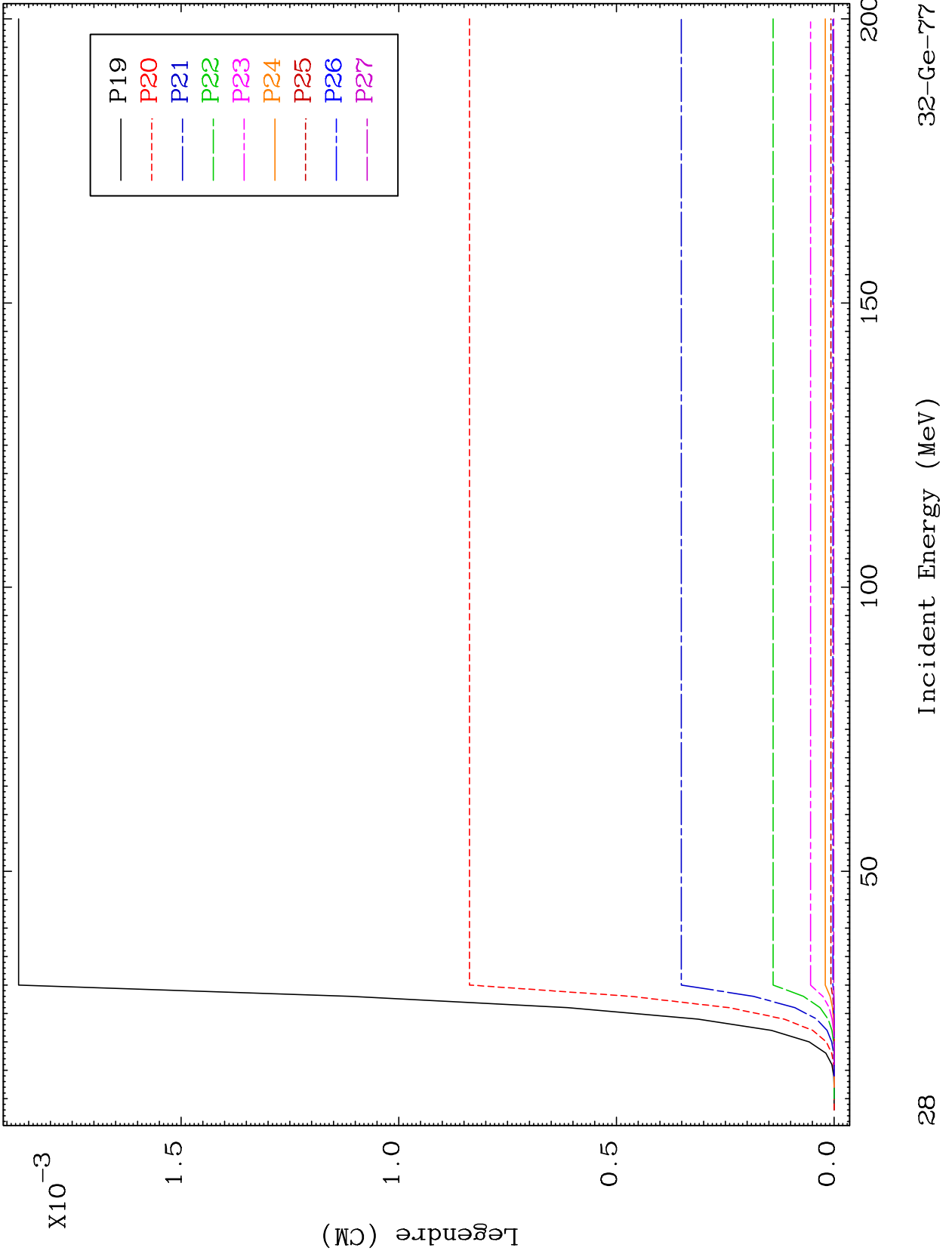
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



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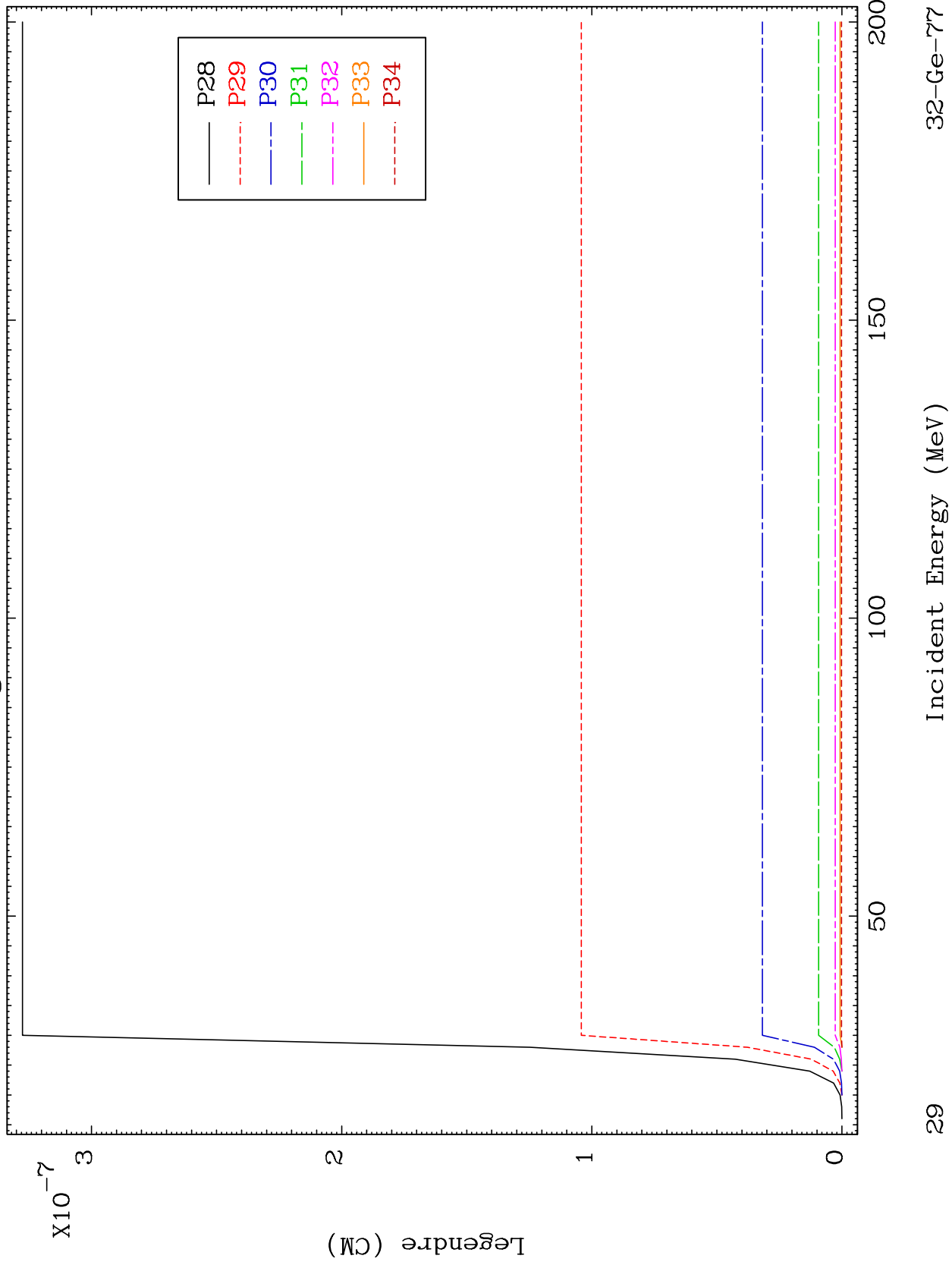
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

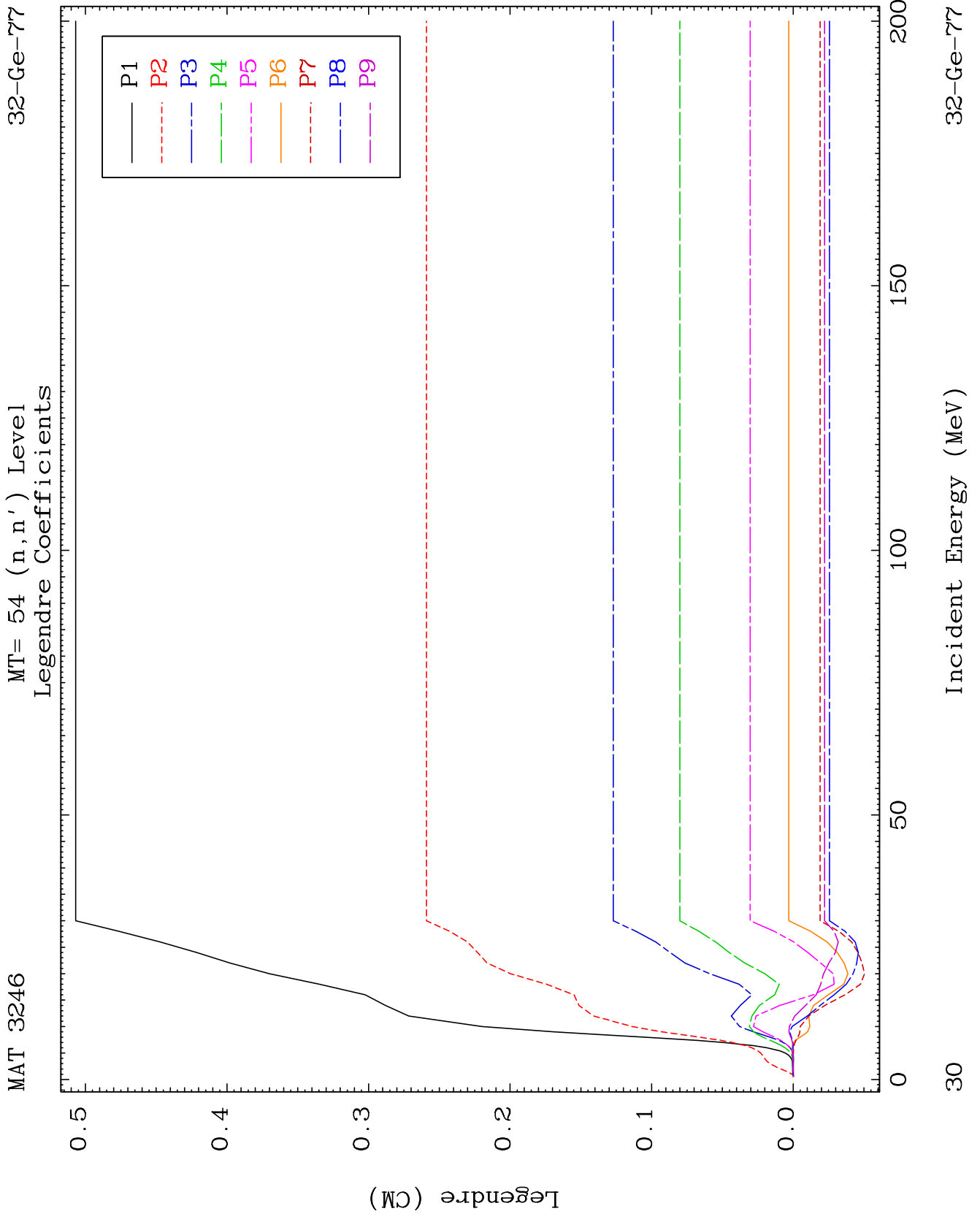
32-Ge-77



29

Incident Energy (MeV)

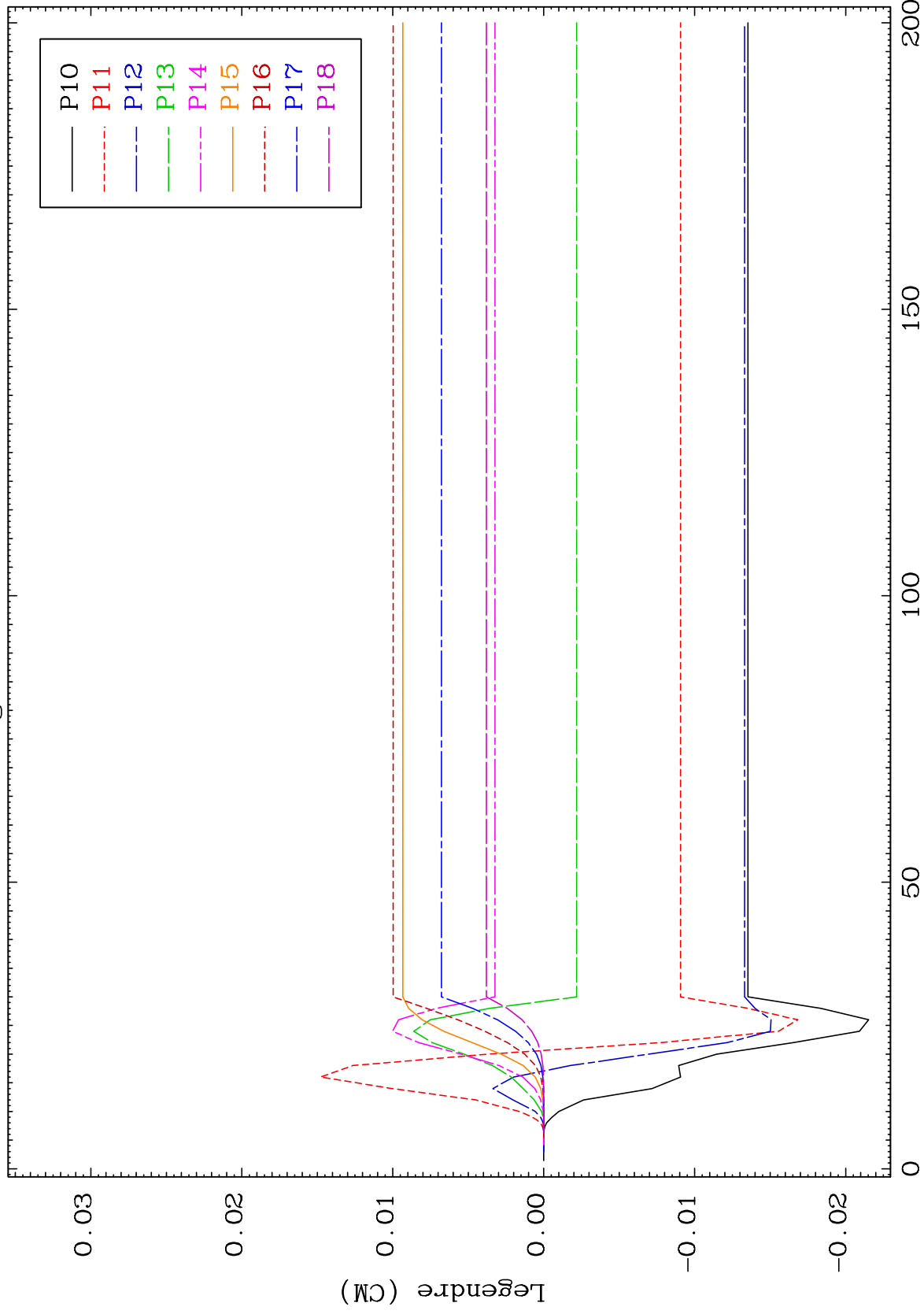
32-Ge-77



MAT 3246

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

32-Ge-77



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Incident Energy (MeV)

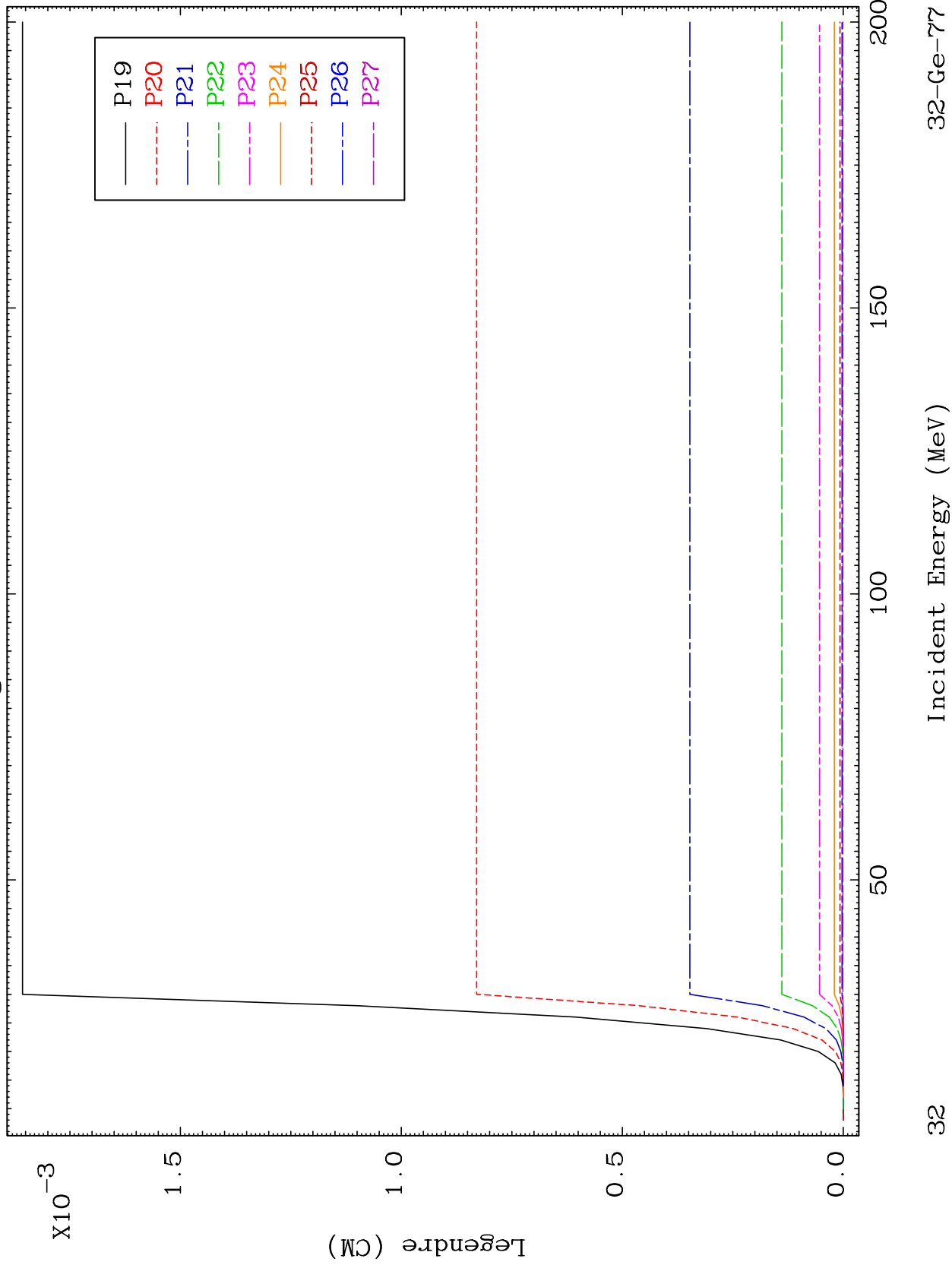
32-Ge-77



MAT 3246

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

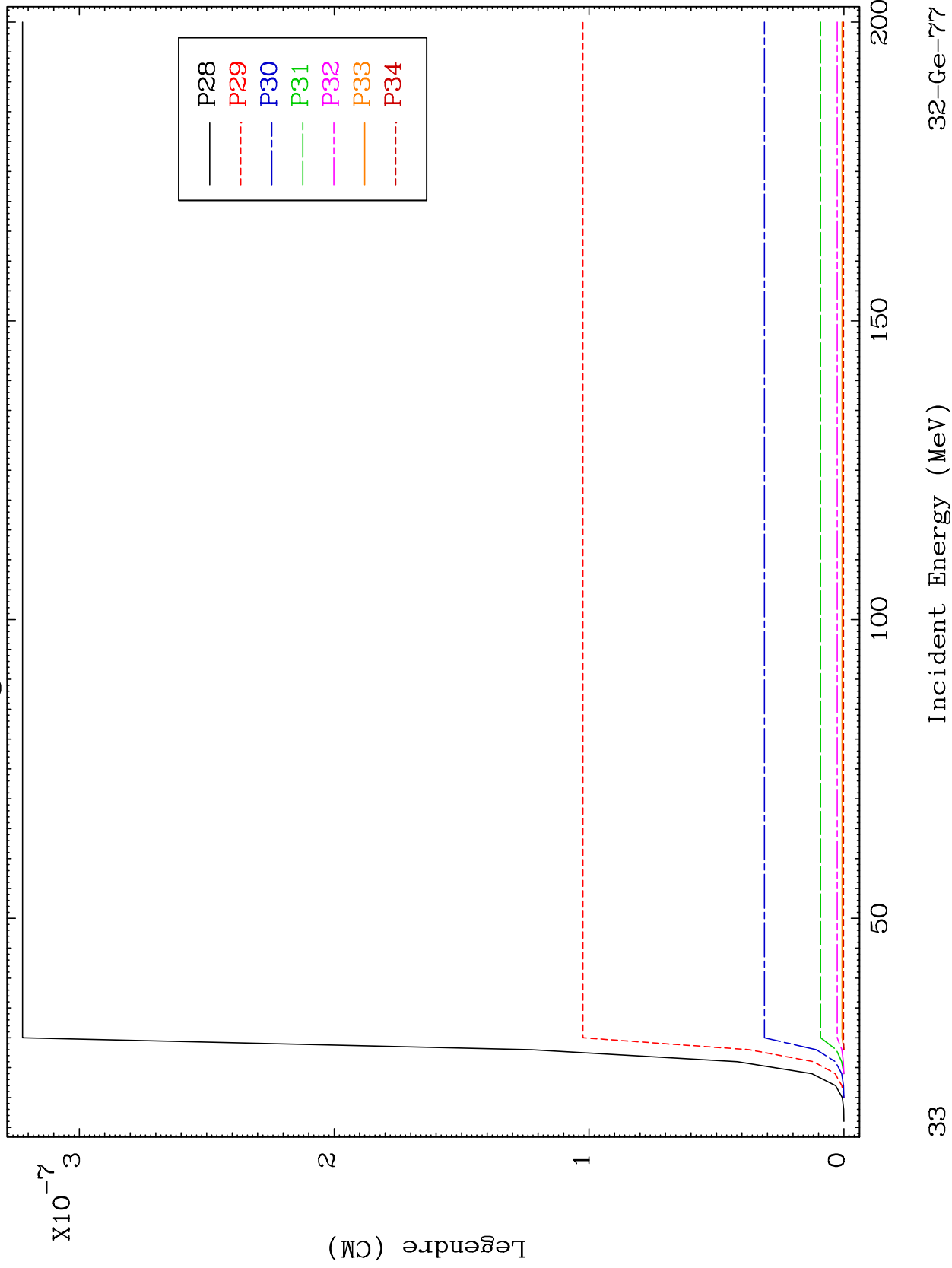
32-Ge-77



MAT 3246

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

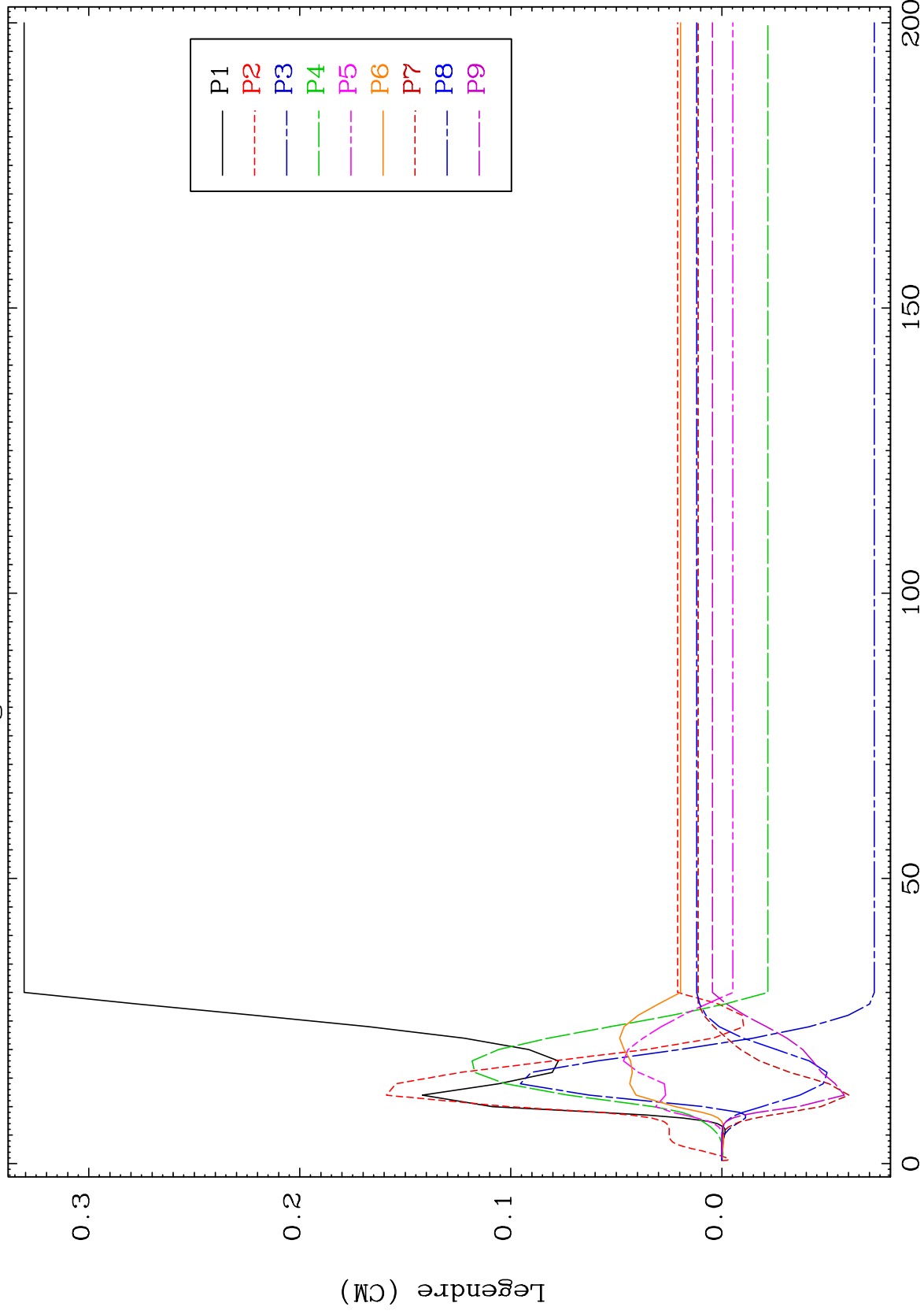
32-Ge-77



MAT 3246

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

32-Ge-77



34

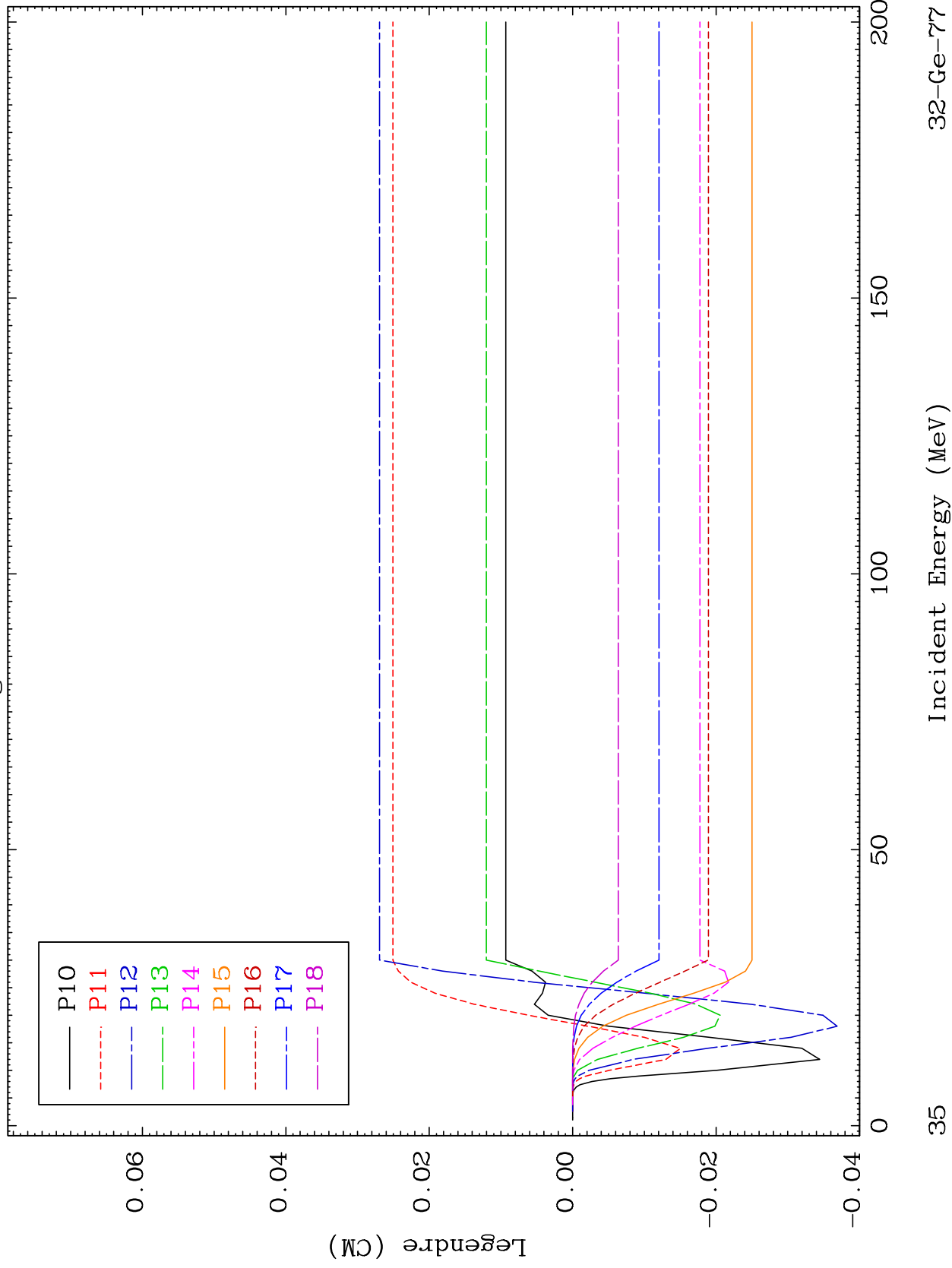
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

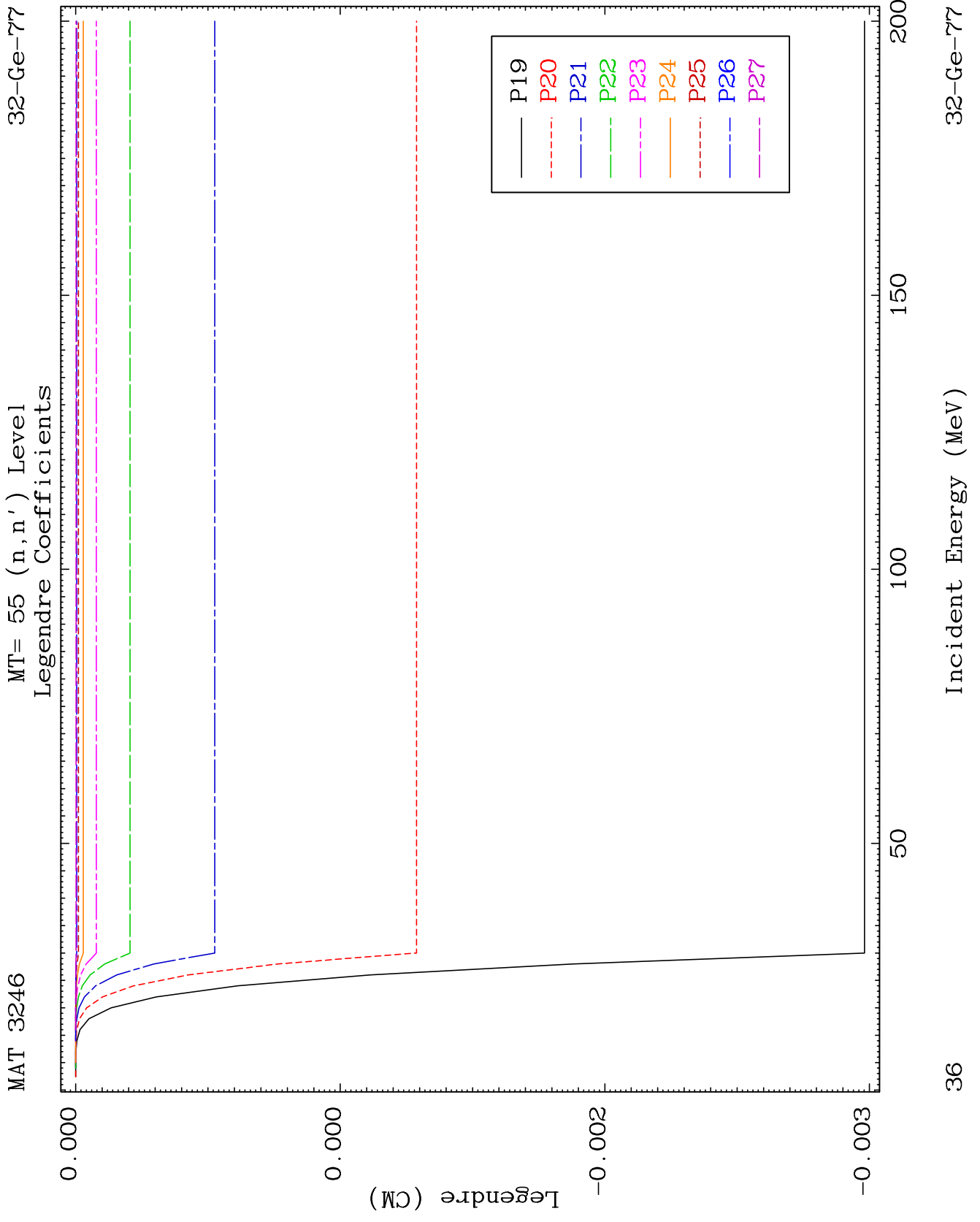
32-Ge-77

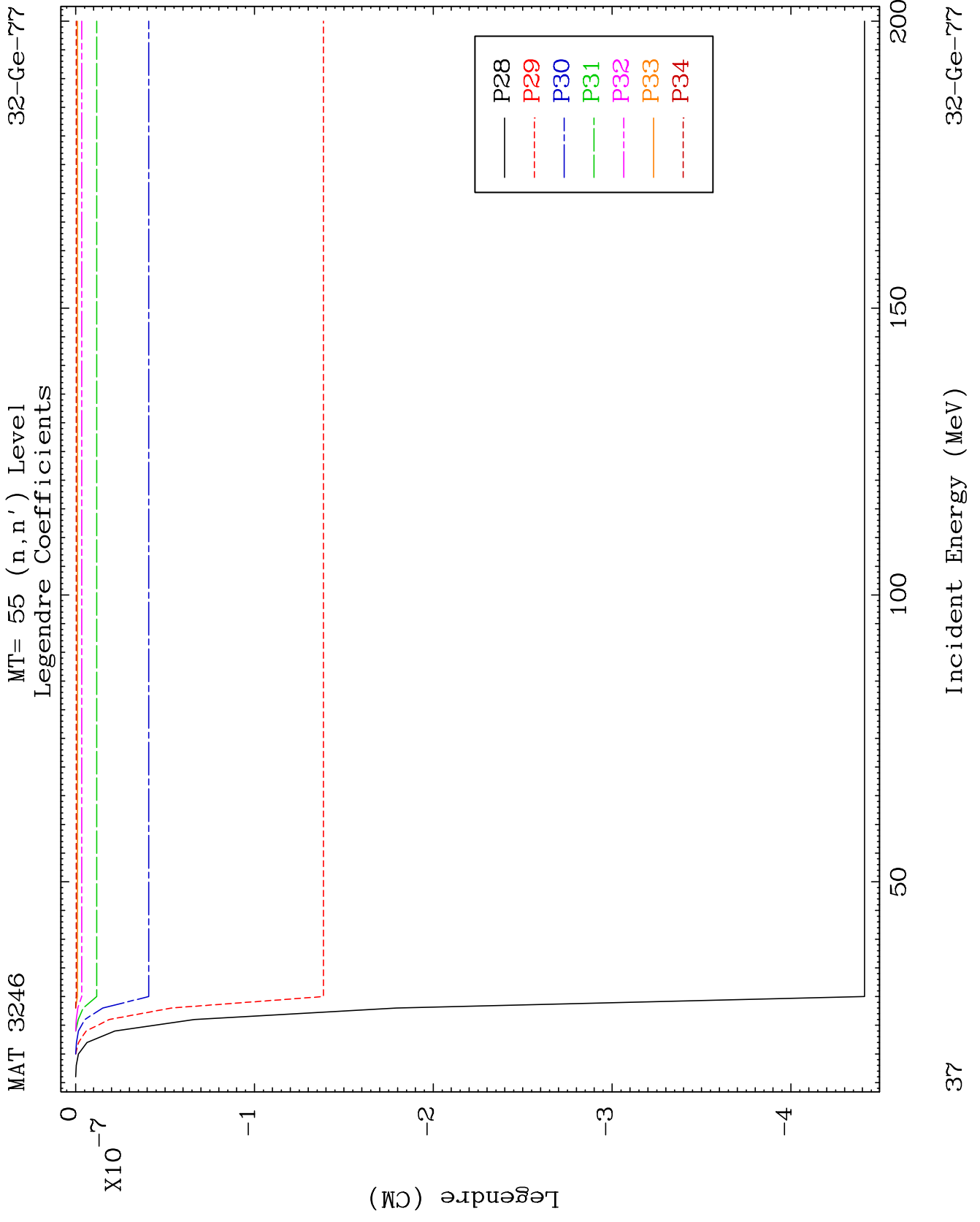


32-Ge-77

Incident Energy (MeV)

35

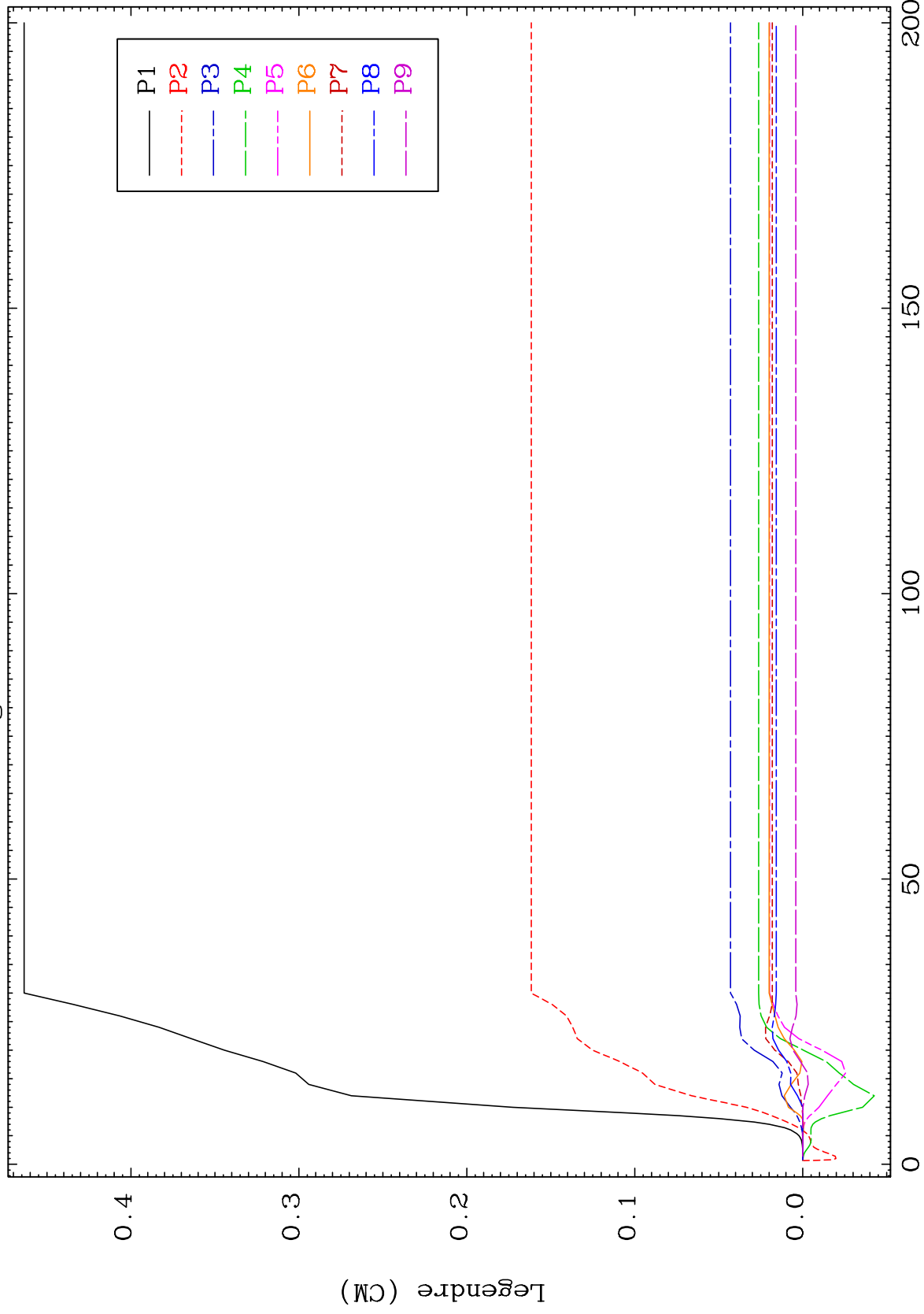




MAT 3246

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

32-Ge-77



38

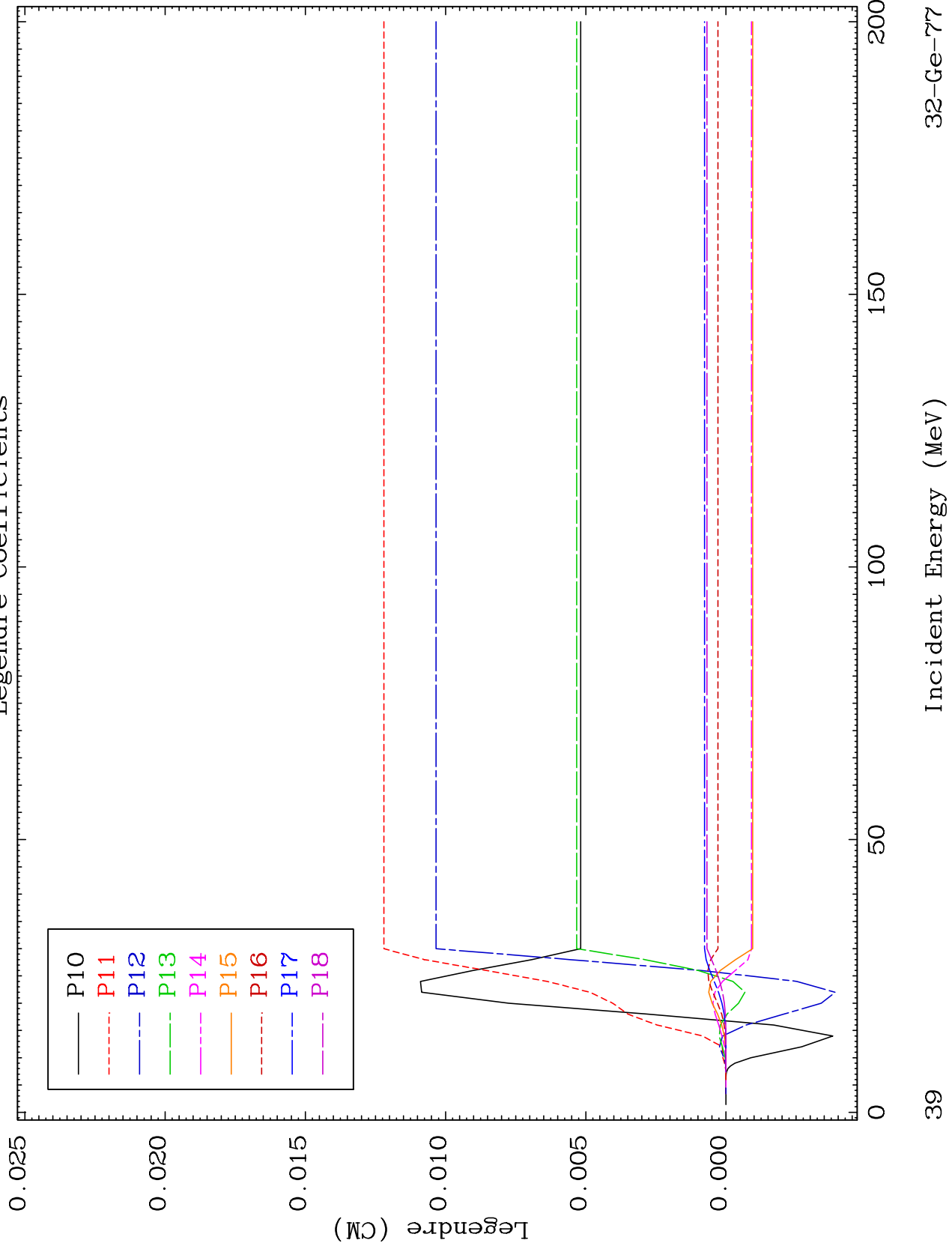
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



39

Incident Energy (MeV)

32-Ge-77

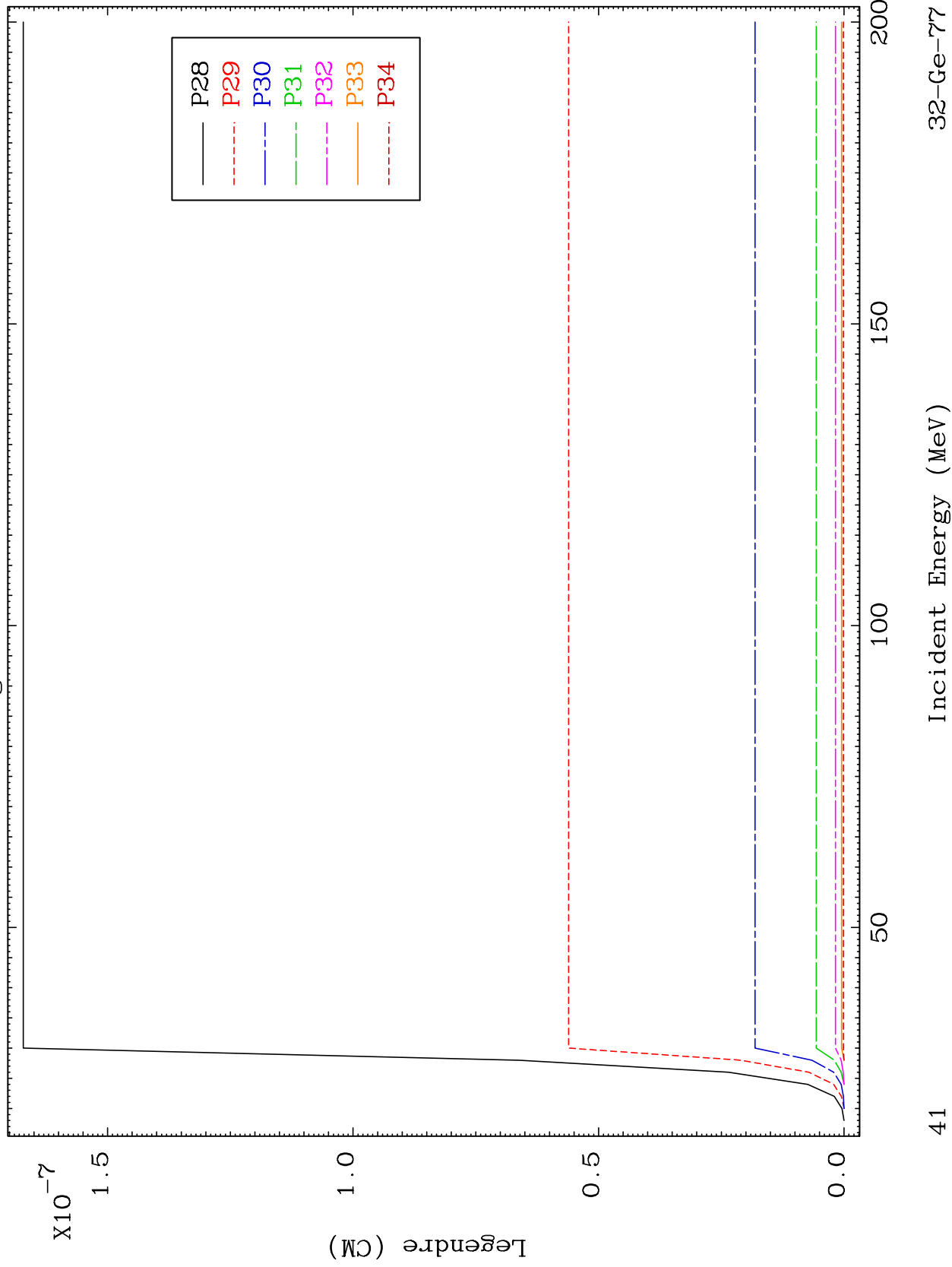




MAT 3246

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

32-Ge-77



41

Incident Energy (MeV)

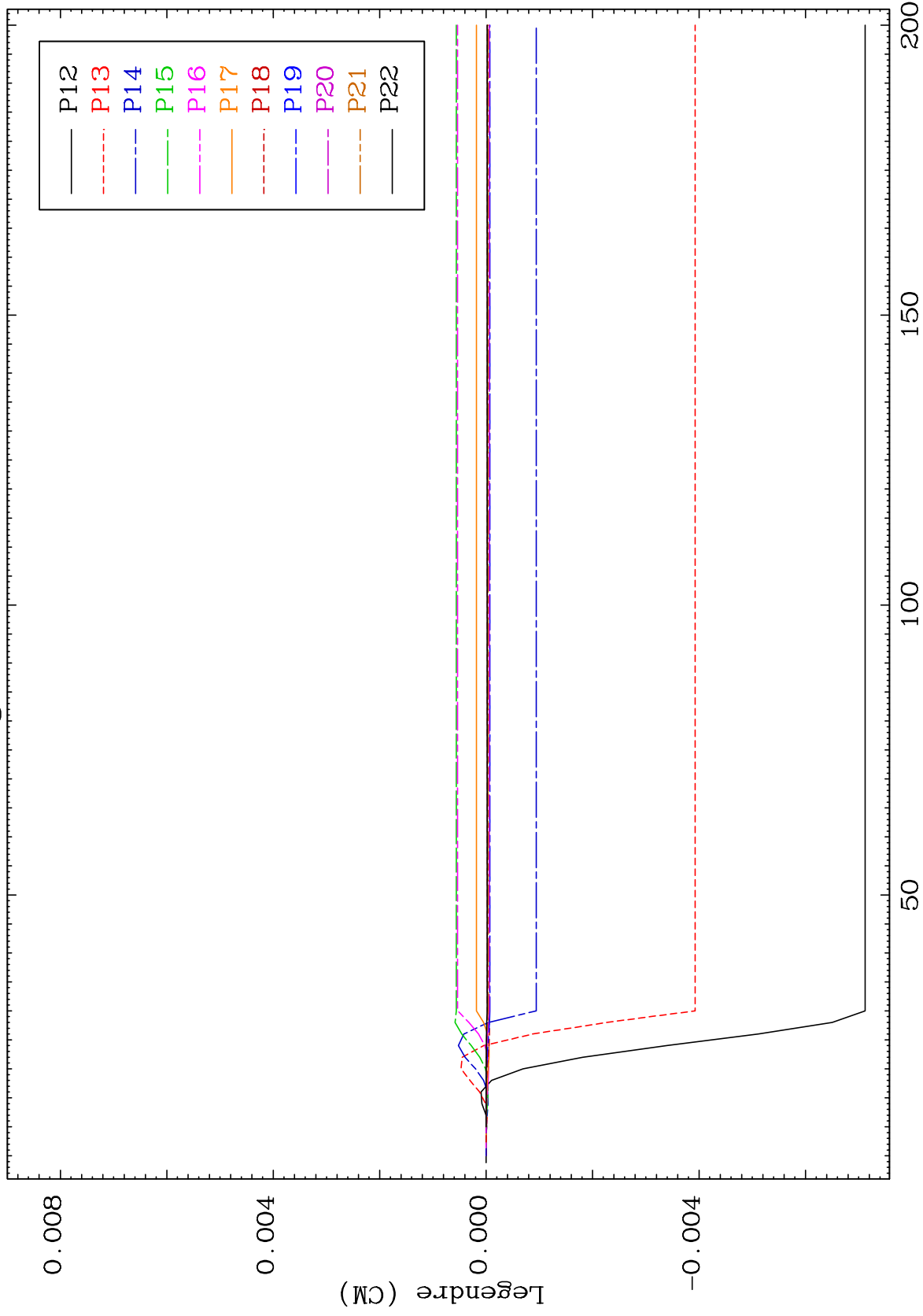
32-Ge-77



MAT 3246

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

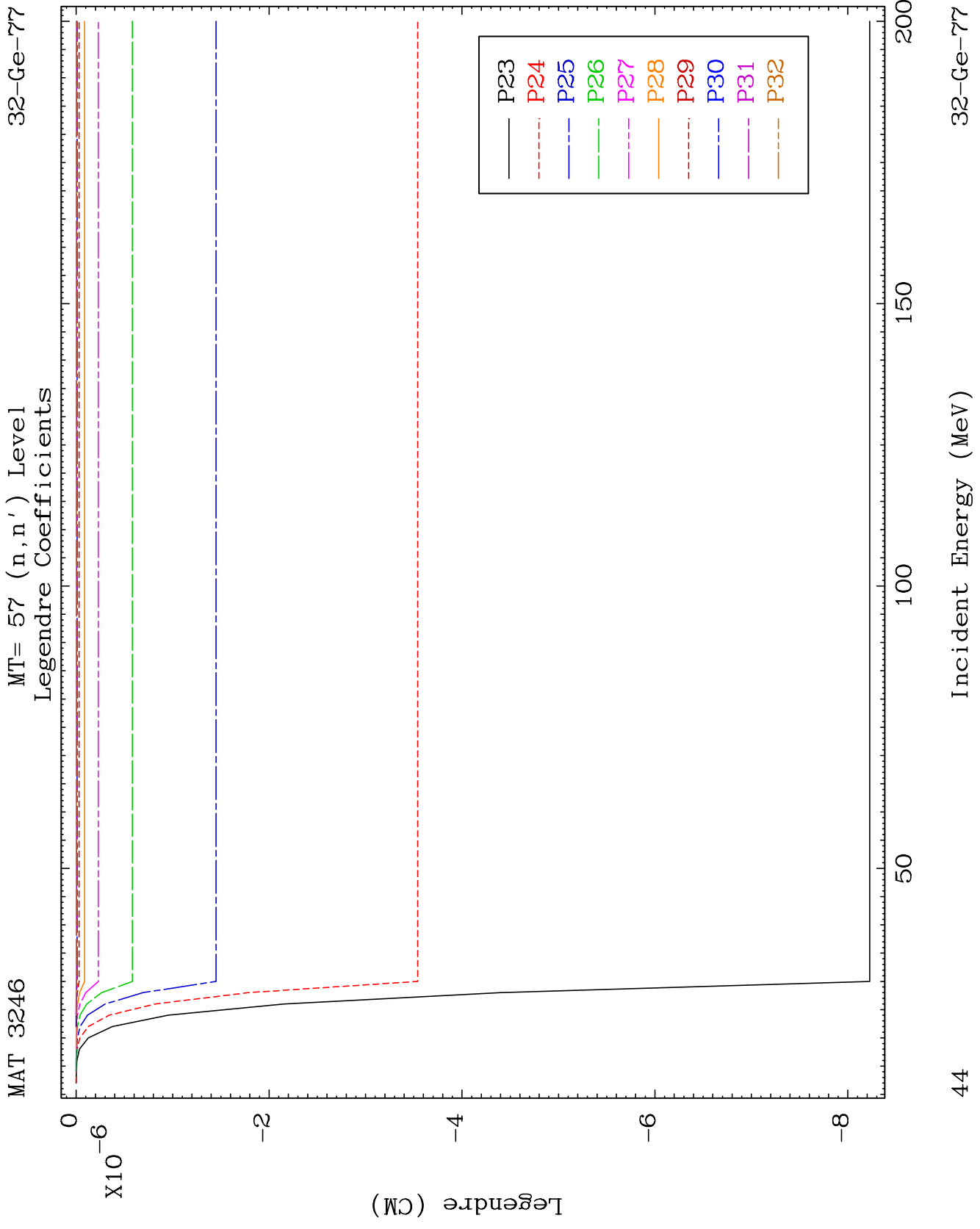
32-Ge-77



43

Incident Energy (MeV)

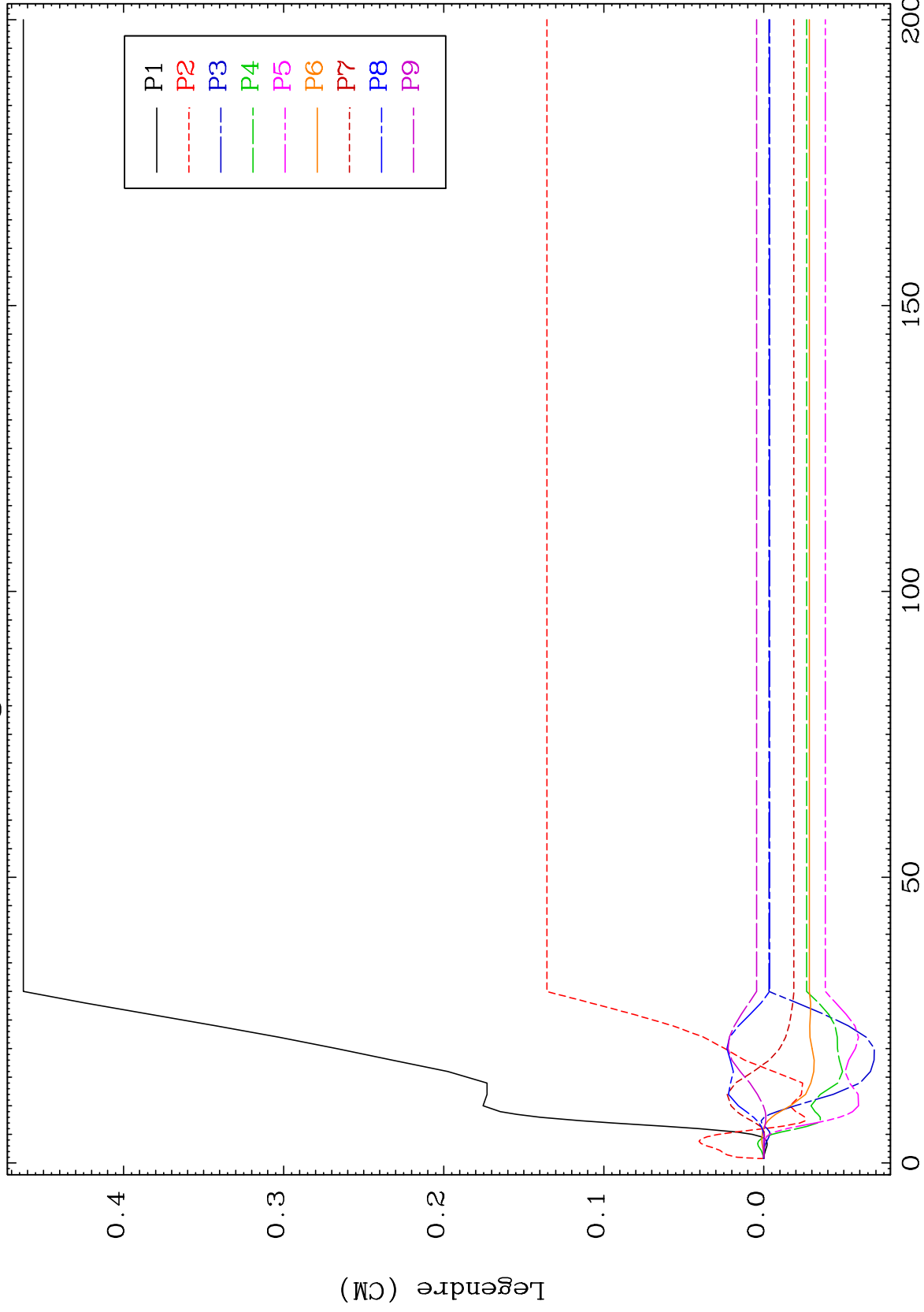
32-Ge-77



MAT 3246

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

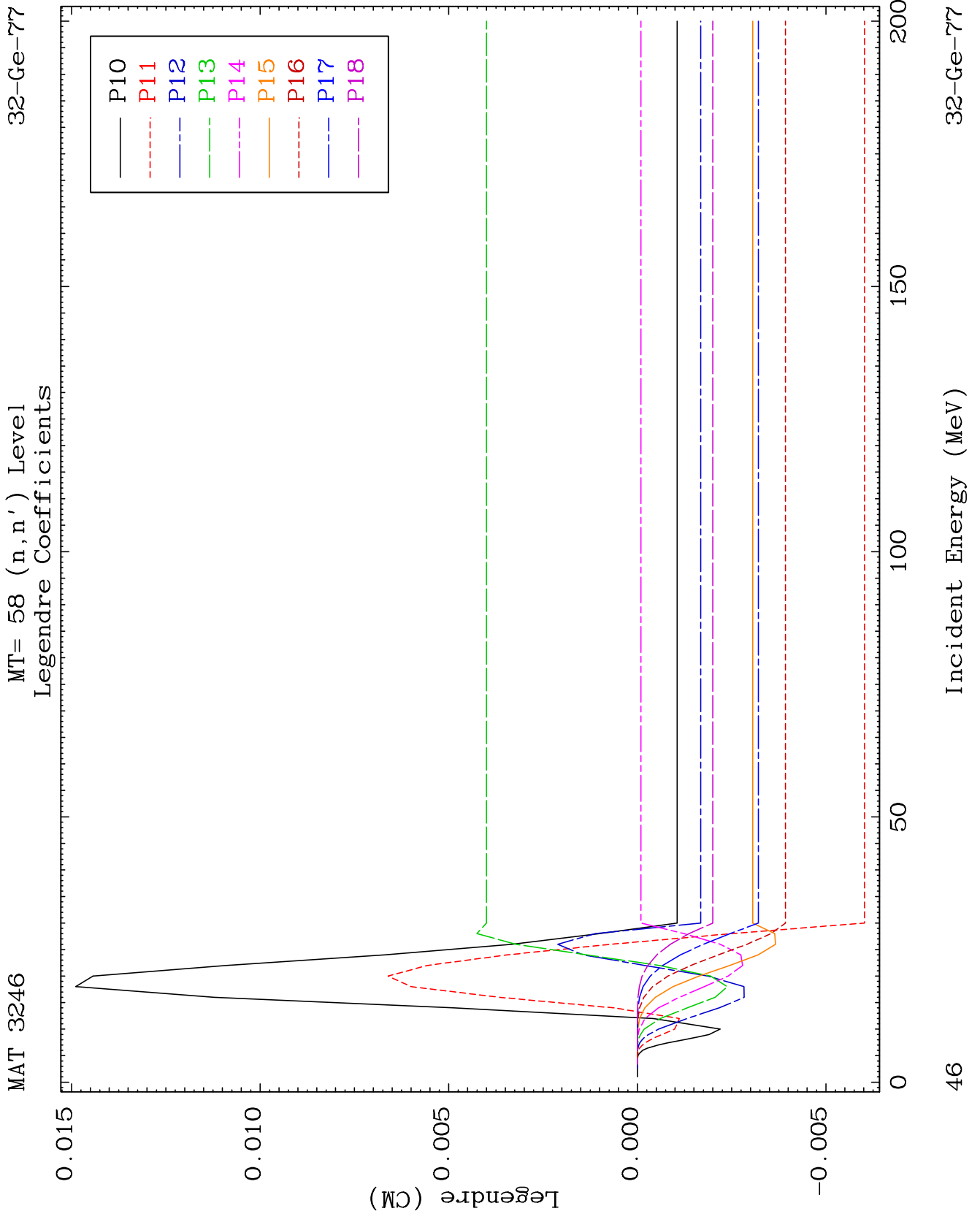
32-Ge-77

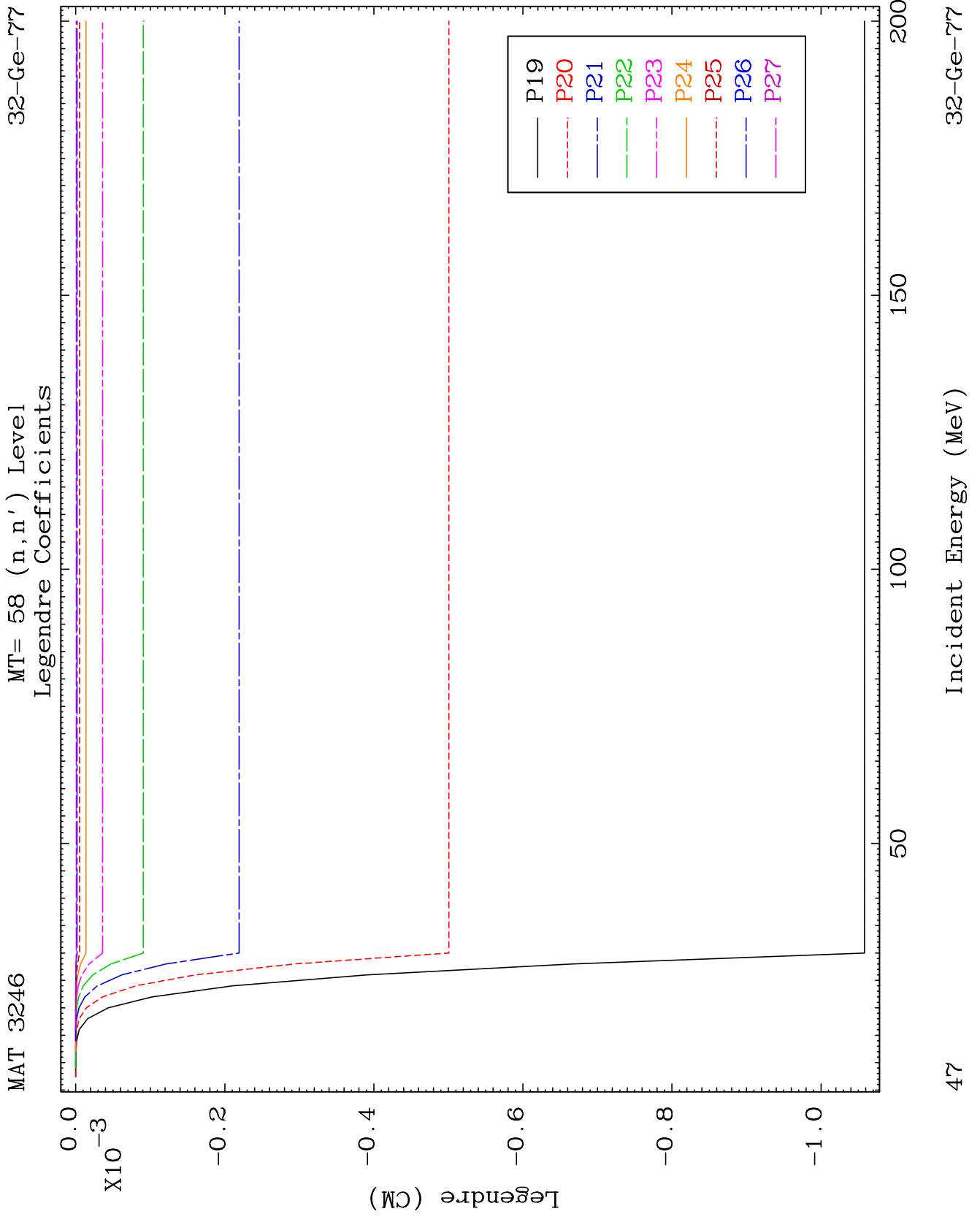


45

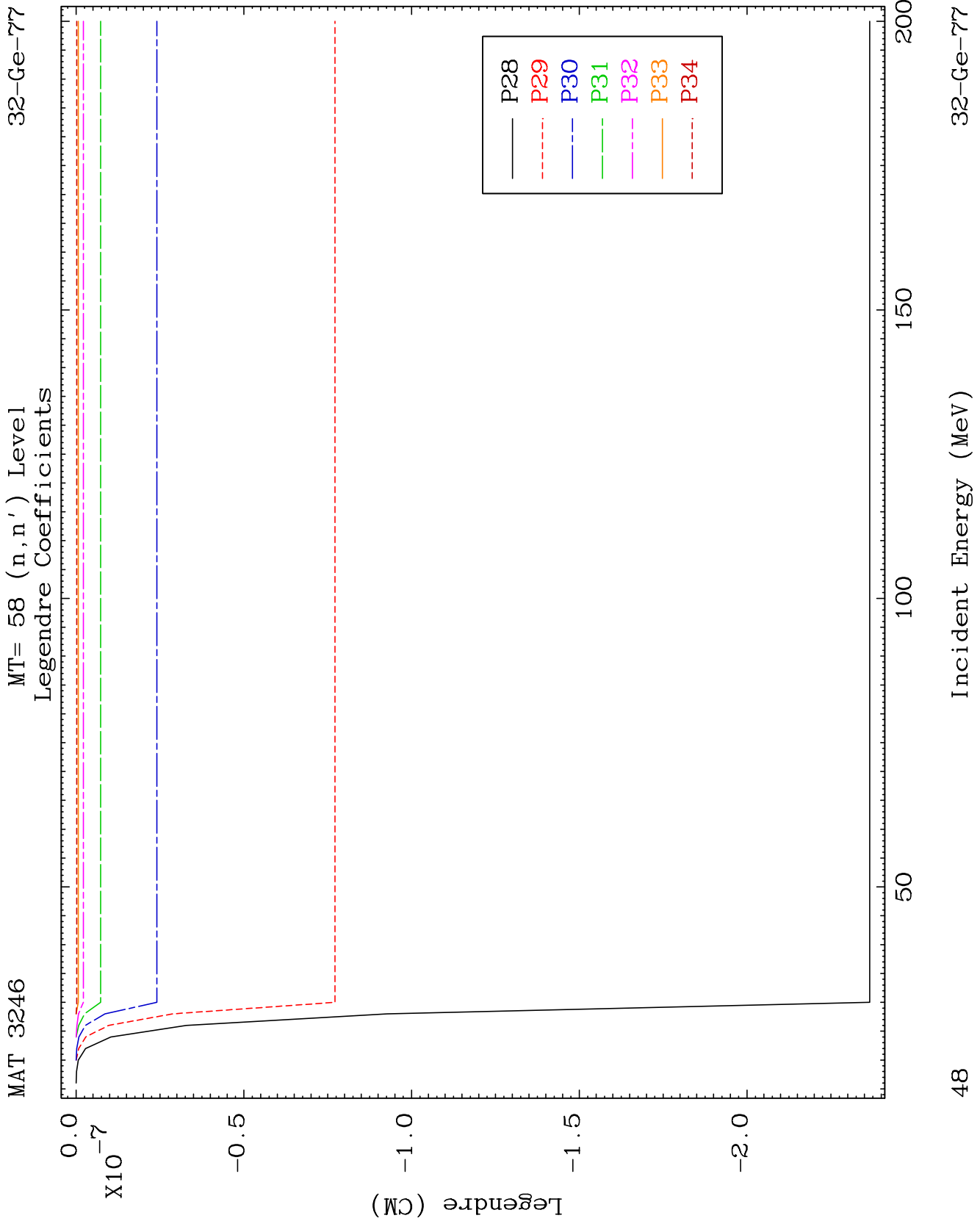
Incident Energy (MeV)

32-Ge-77





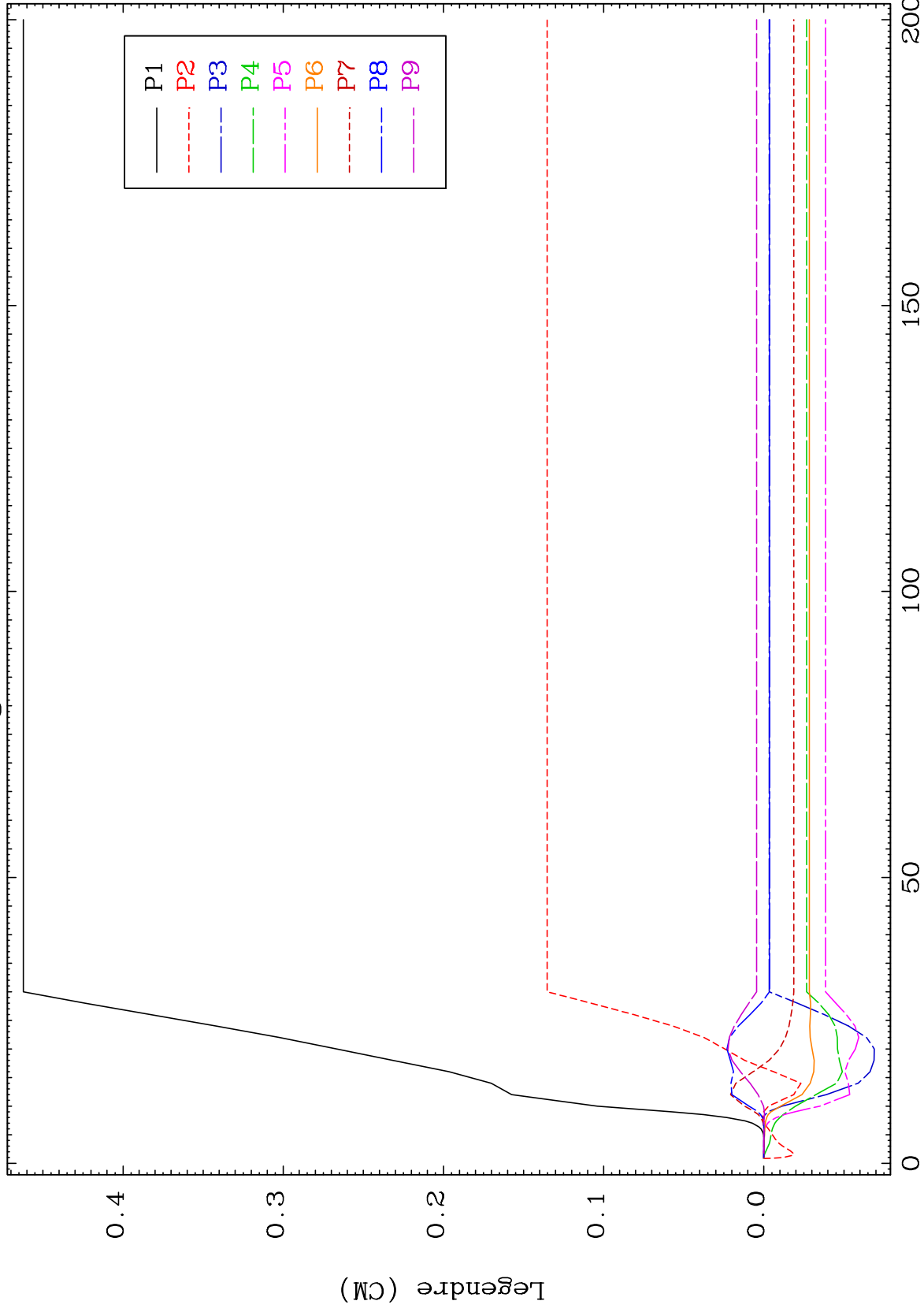




MAT 3246

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

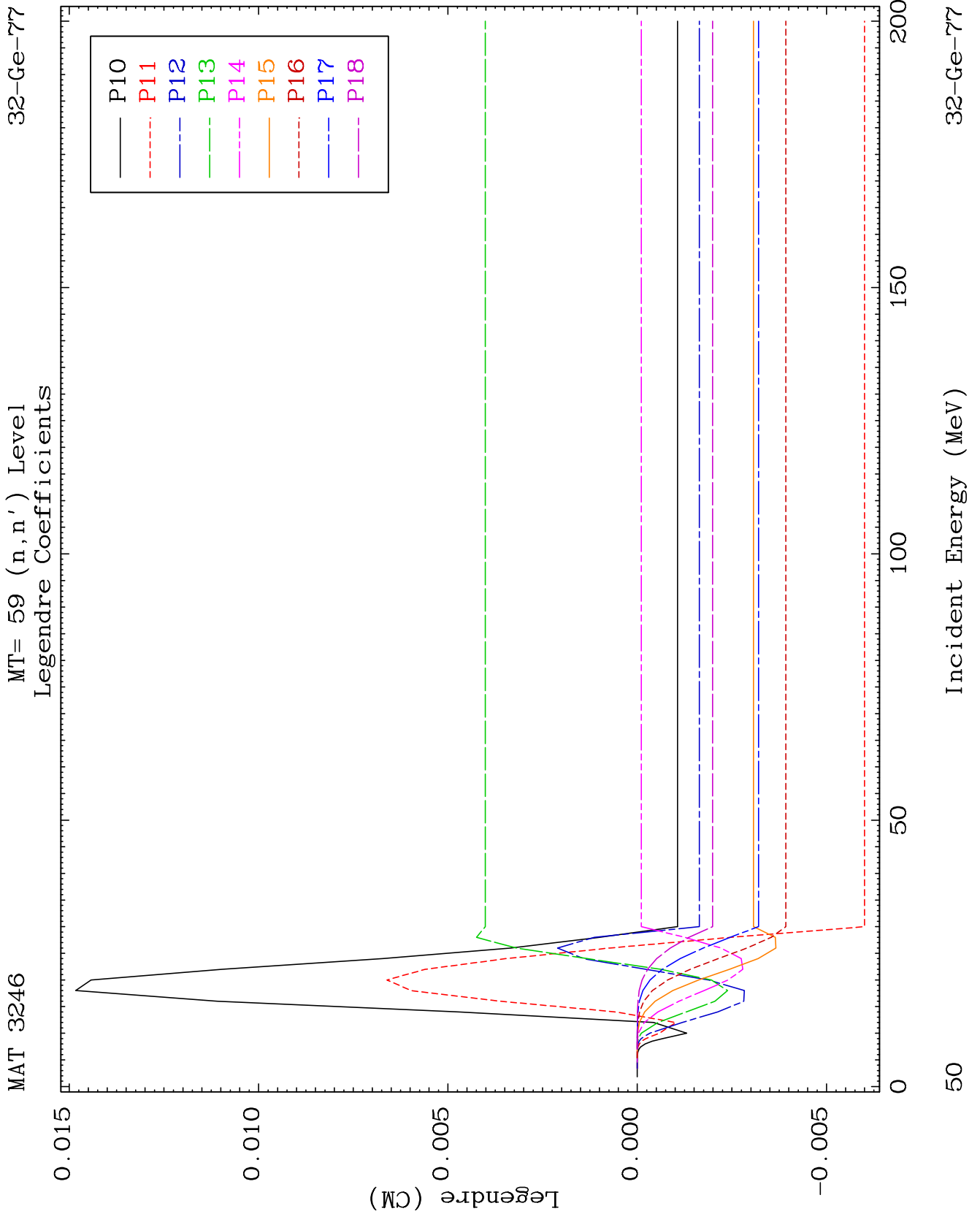
32-Ge-77

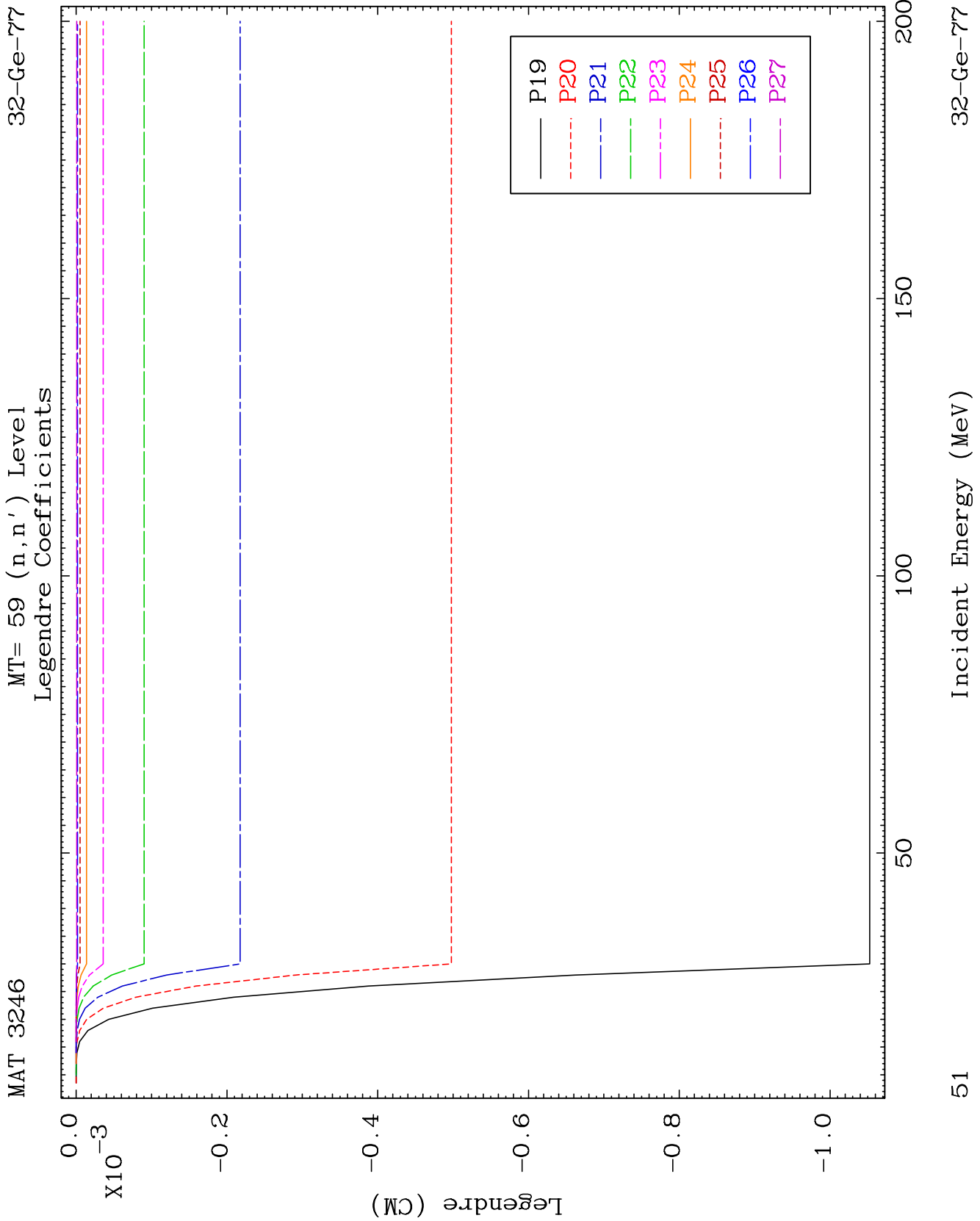


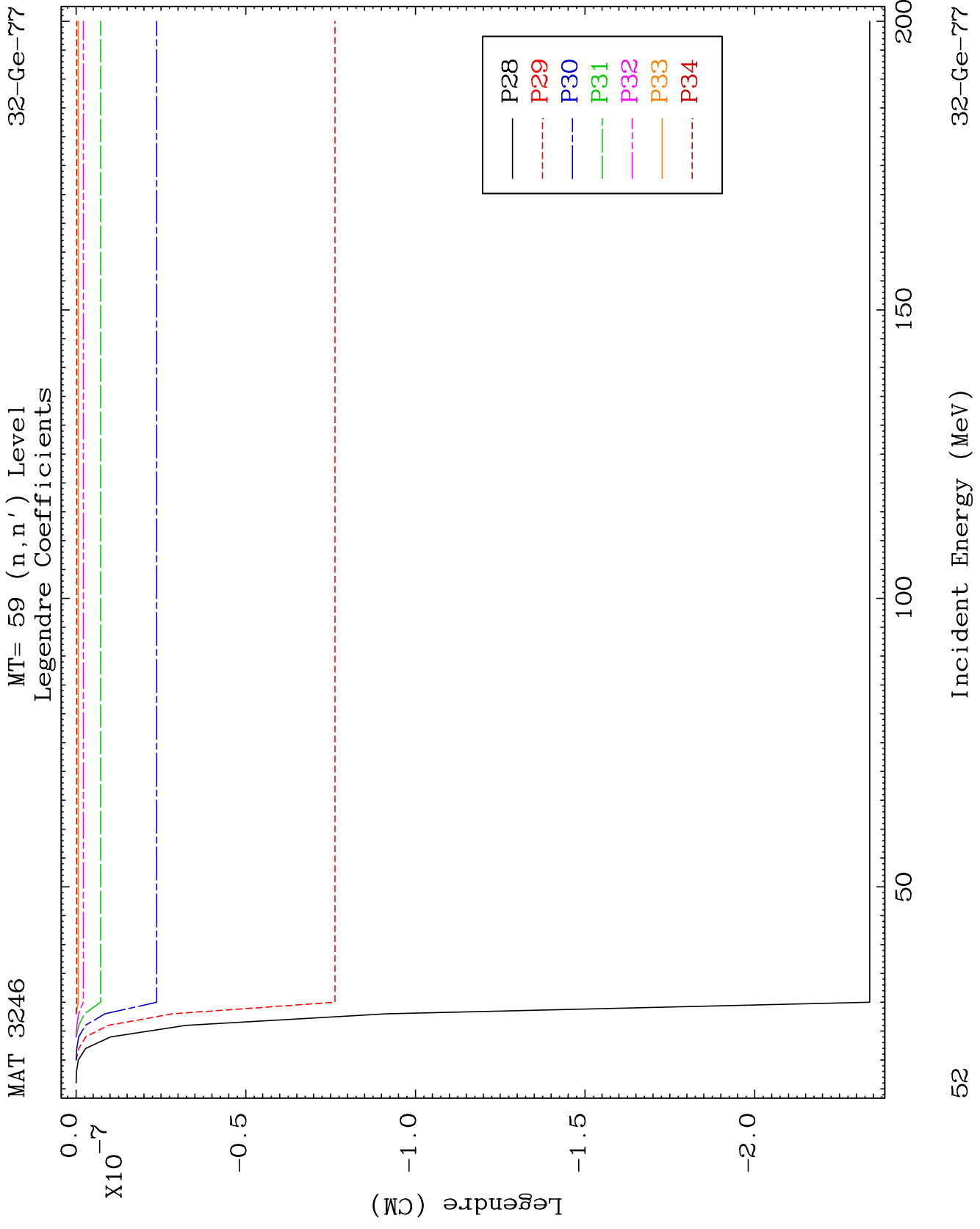
49

Incident Energy (MeV)

32-Ge-77



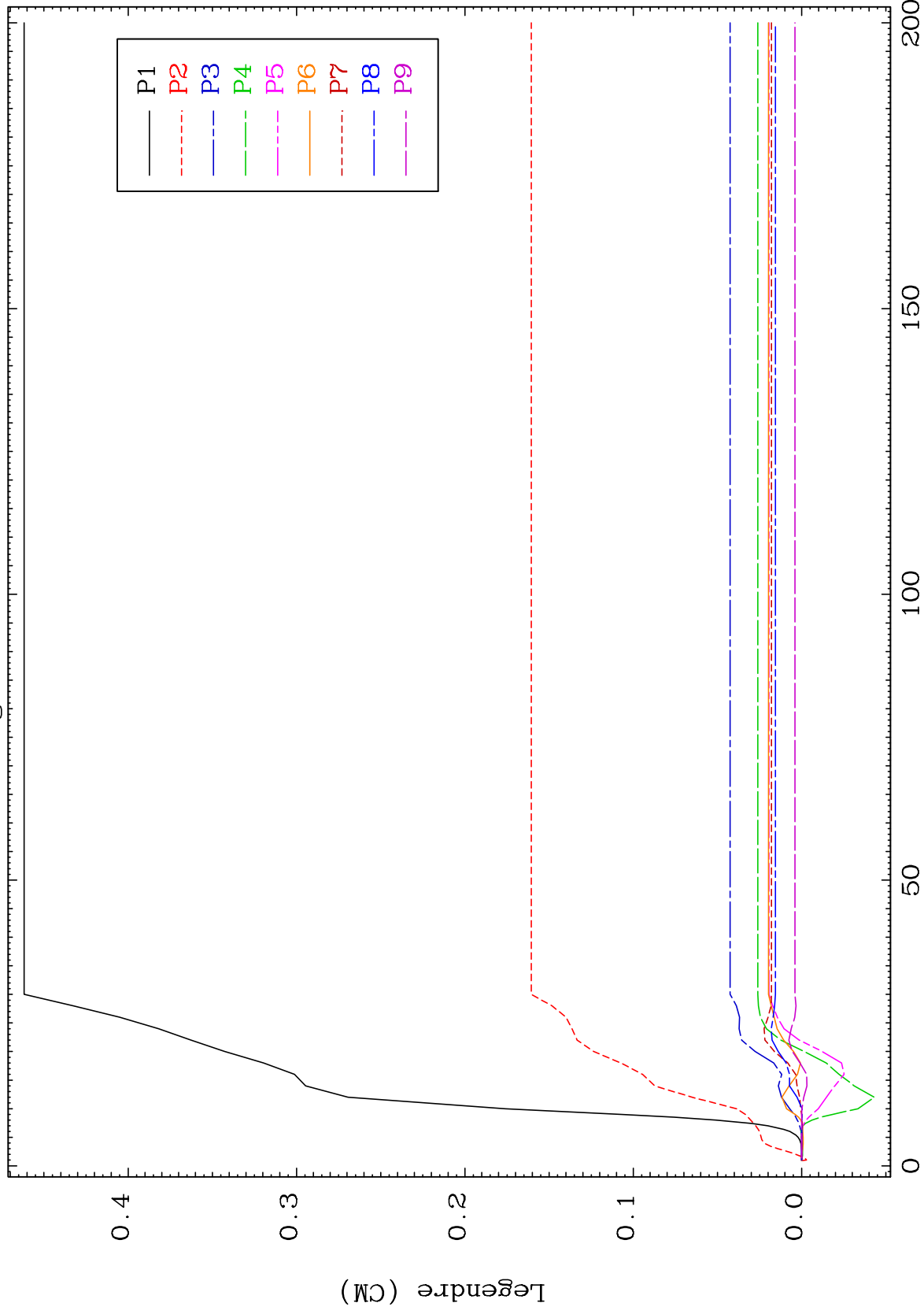




MAT 3246

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

32-Ge-77



32-Ge-77

Incident Energy (MeV)

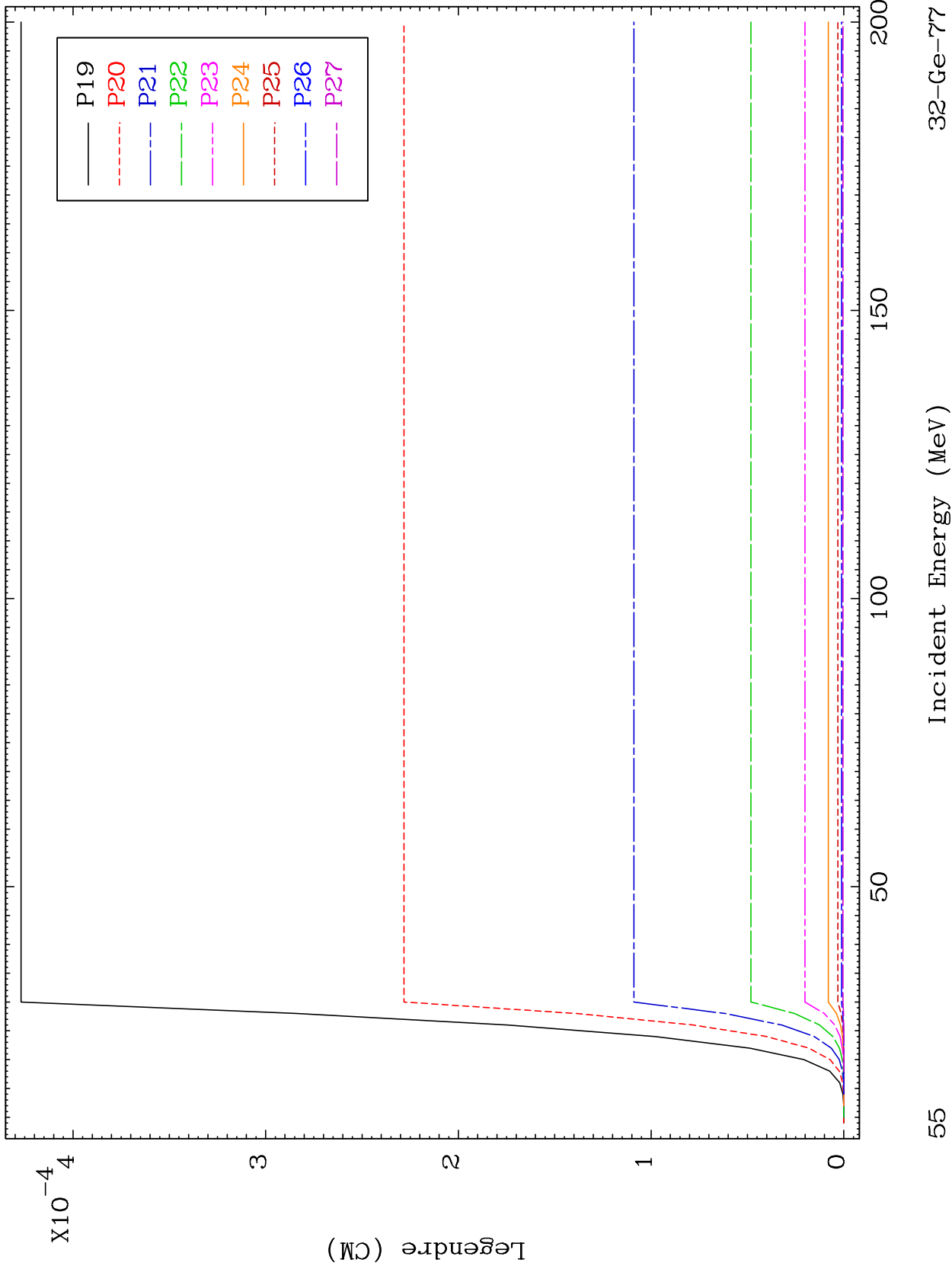
53



MAT 3246

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

32-Ge-77



55

Incident Energy (MeV)

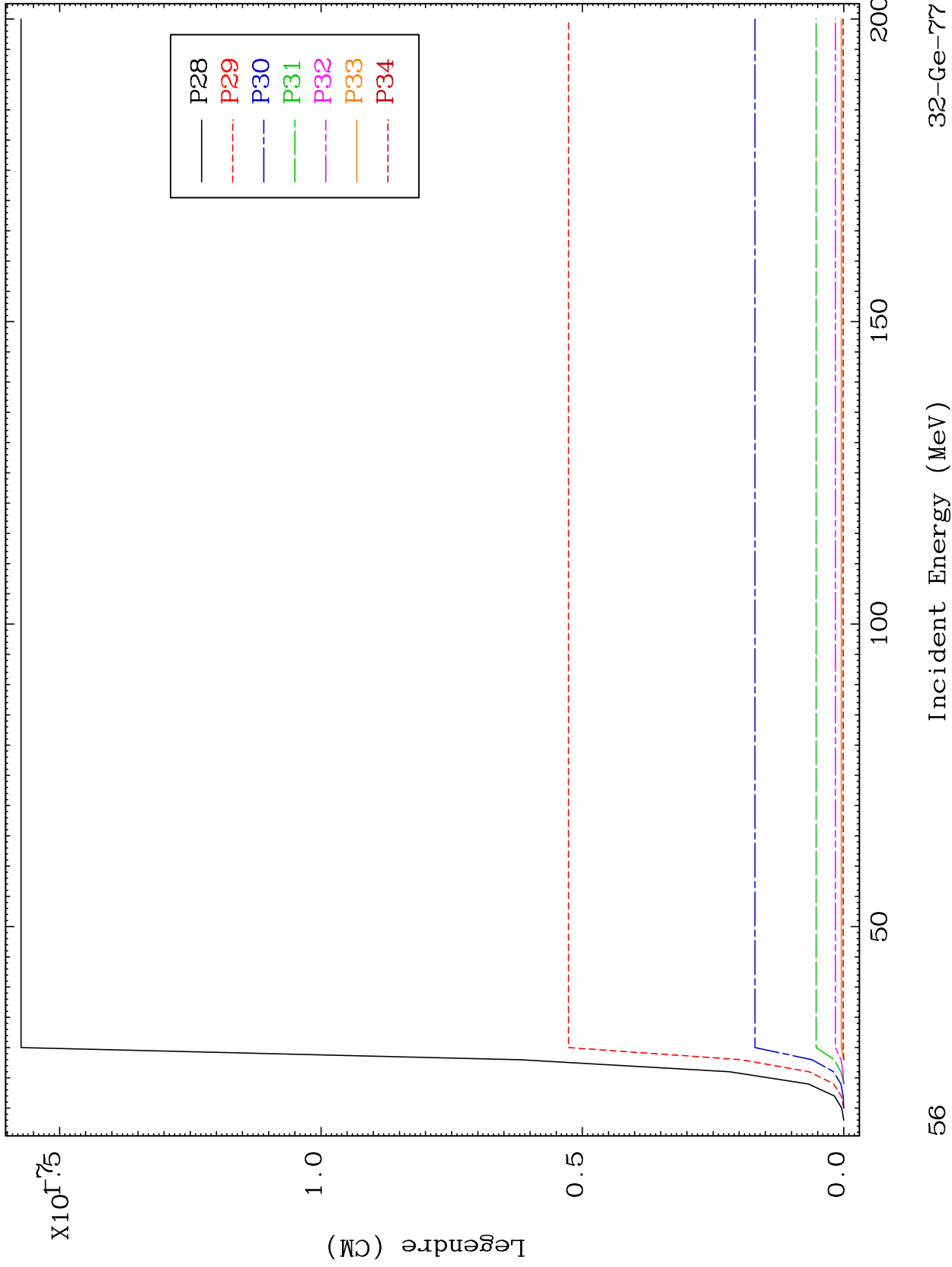
32-Ge-77



MAT 3246

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

32-Ge-77



56

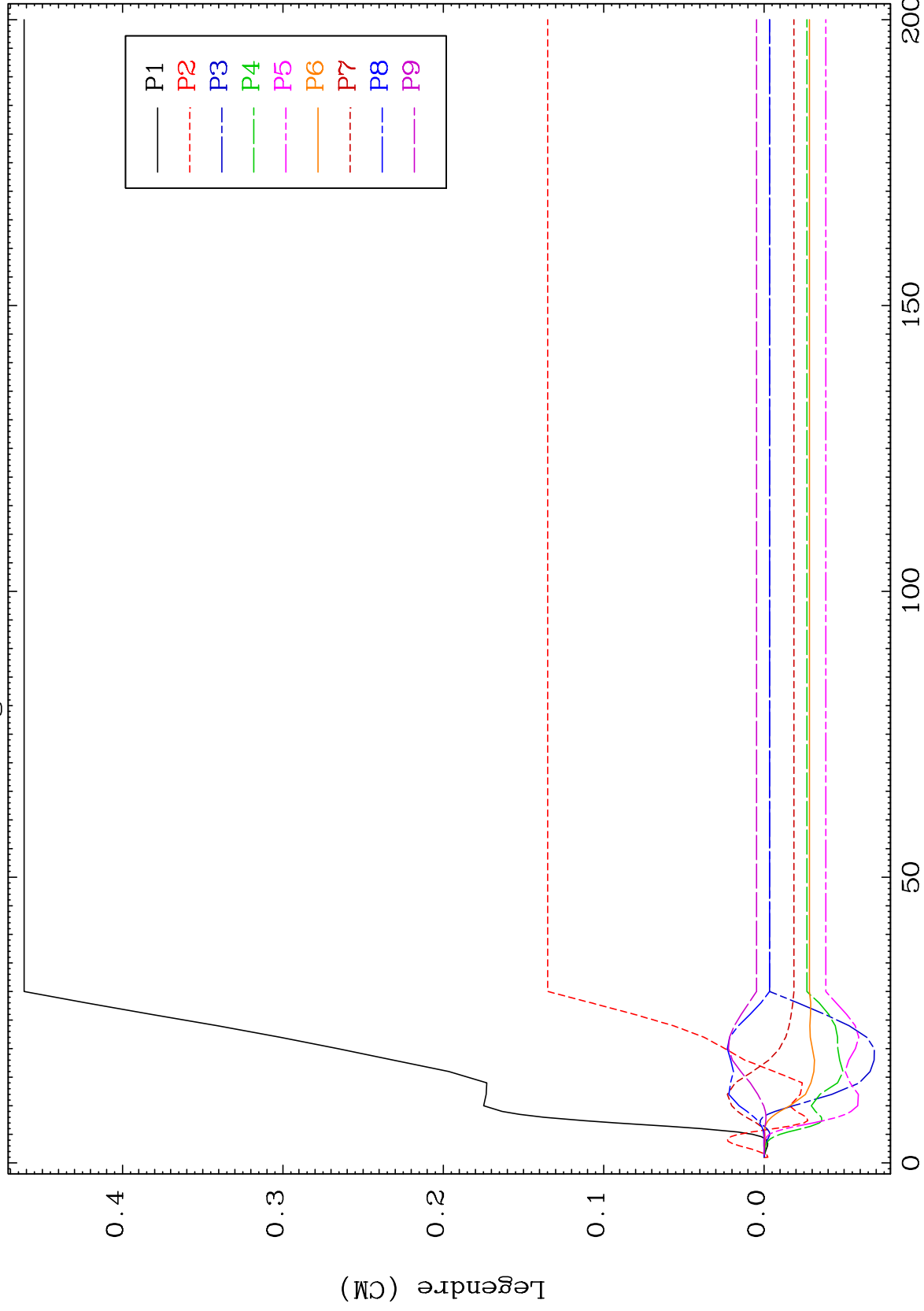
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77

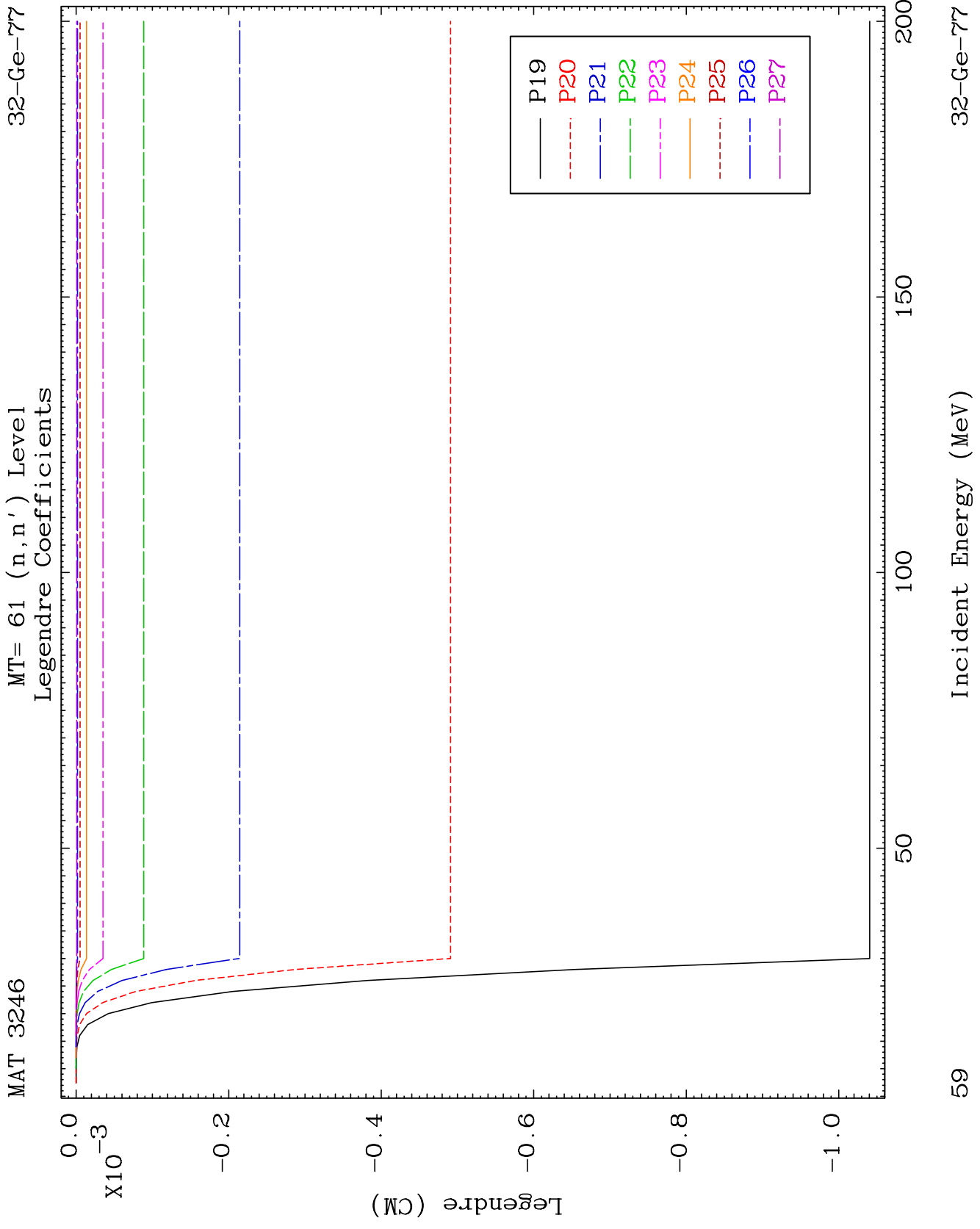


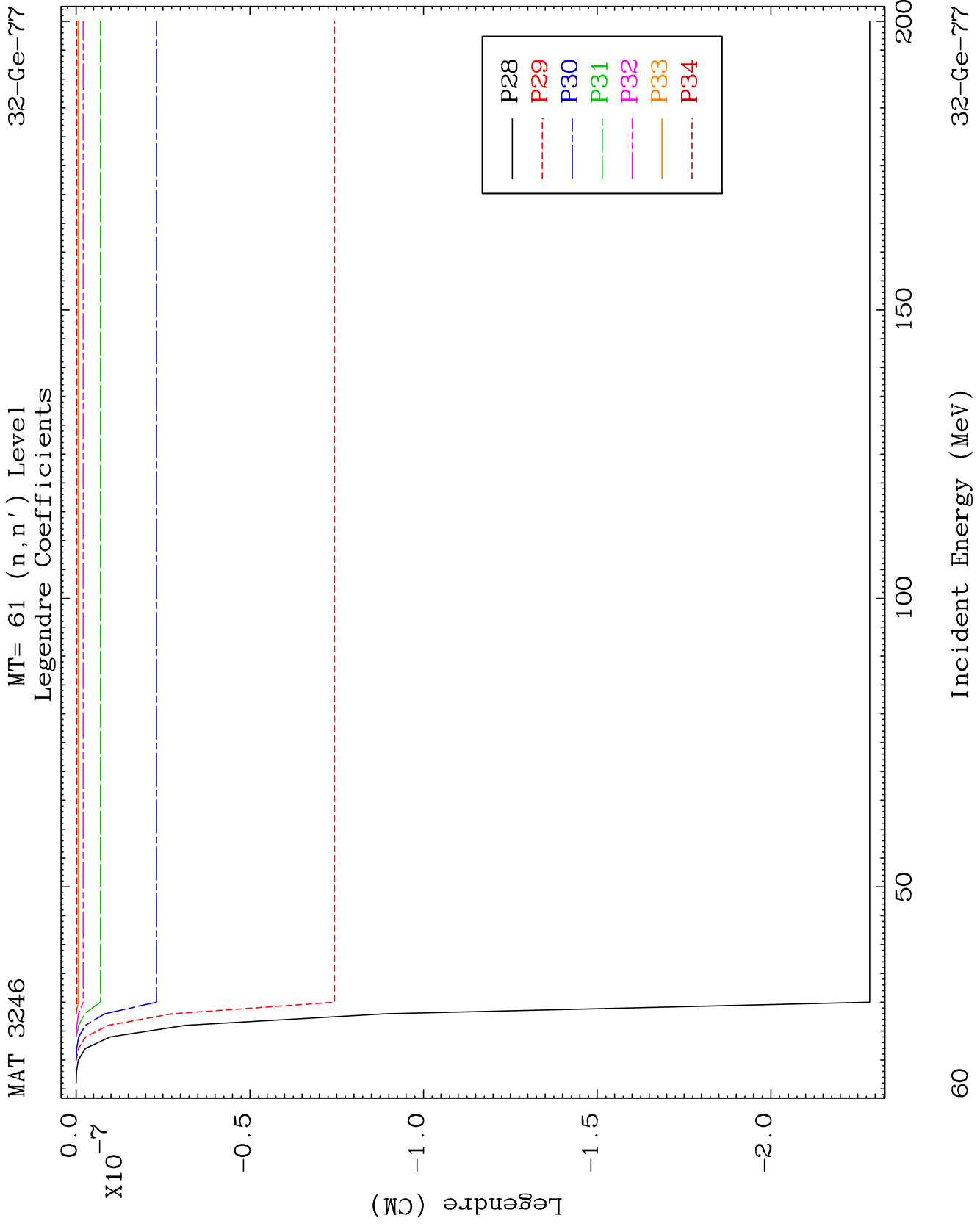
57

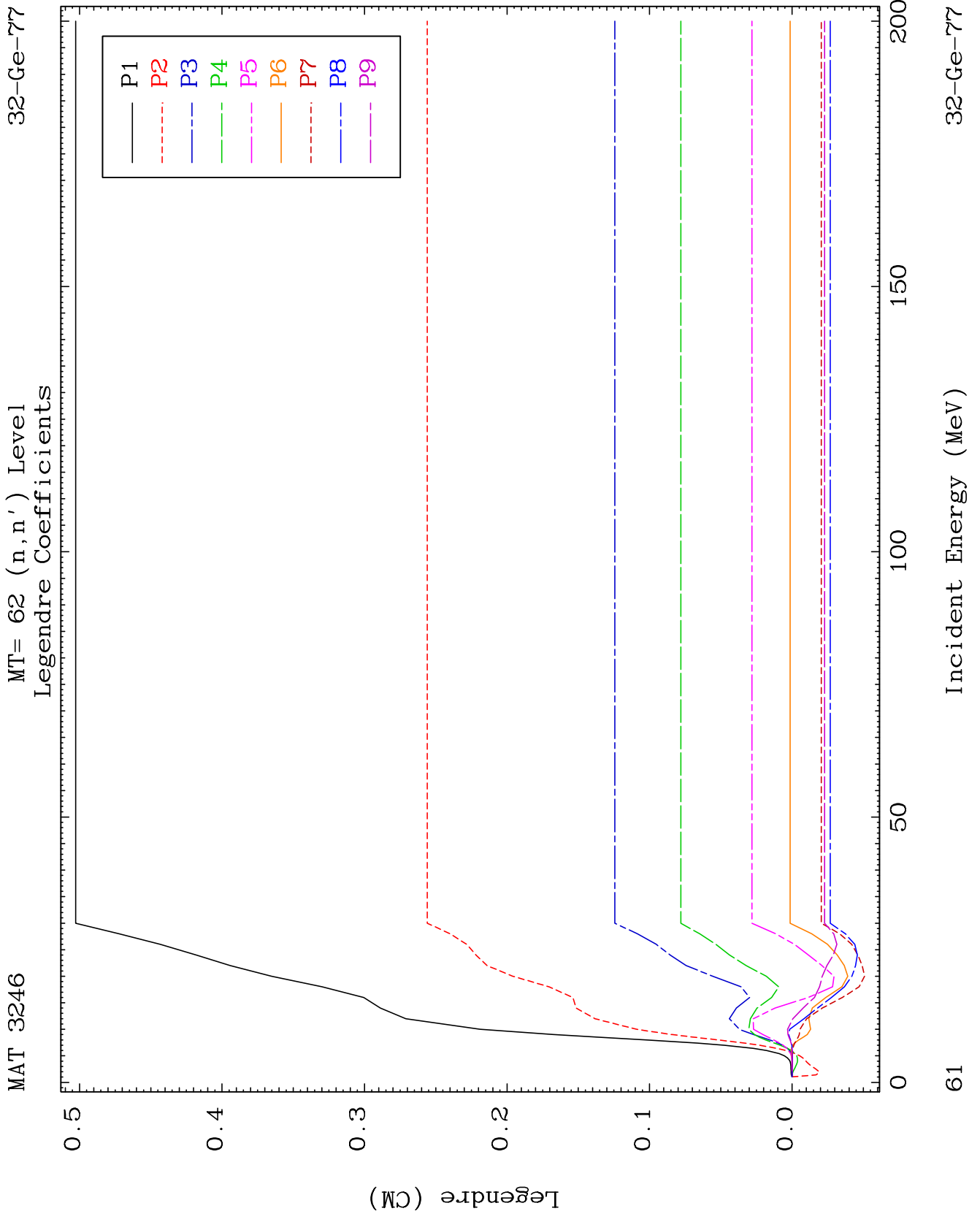
Incident Energy (MeV)

32-Ge-77





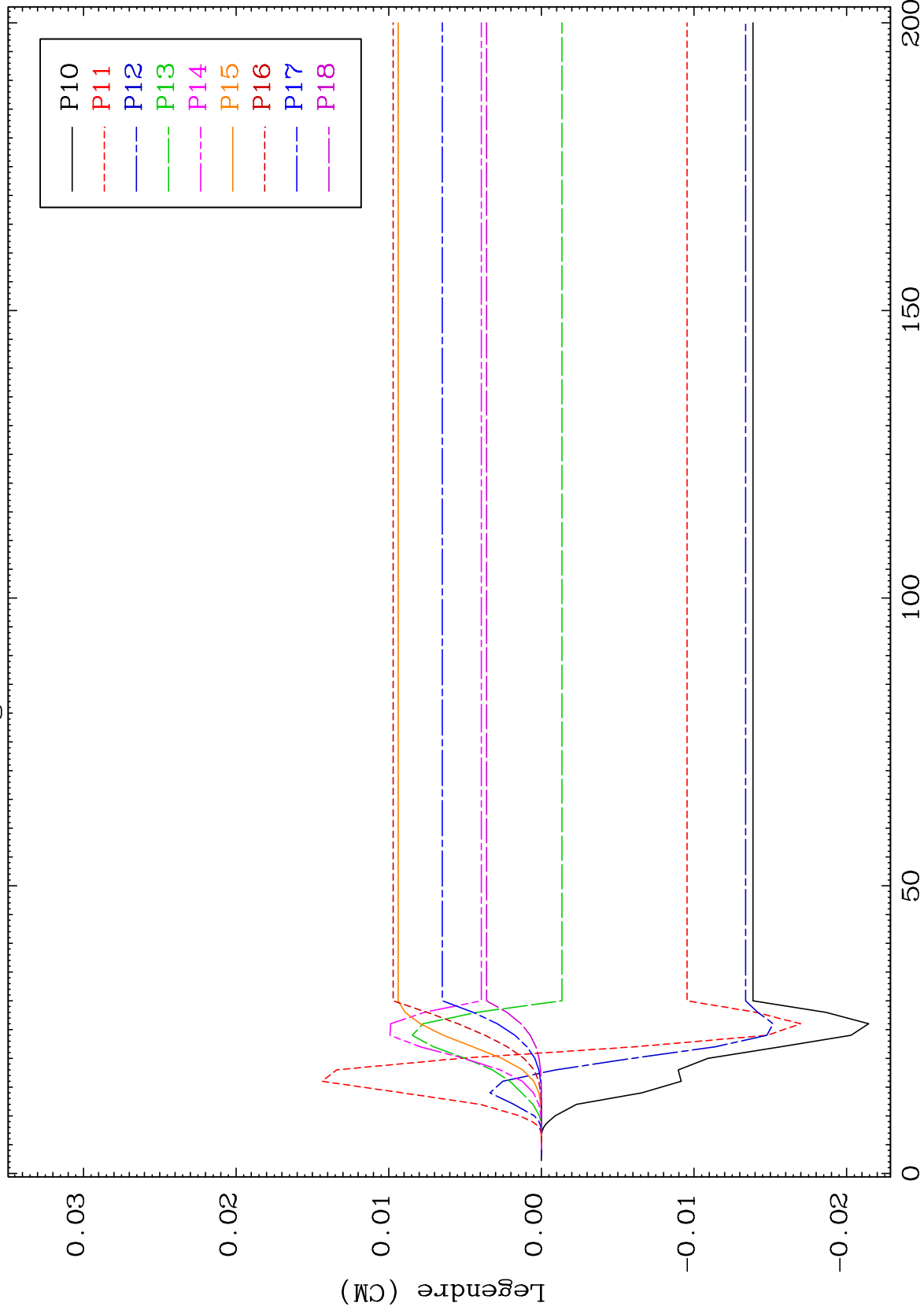




MAT 3246

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

32-Ge-77



62

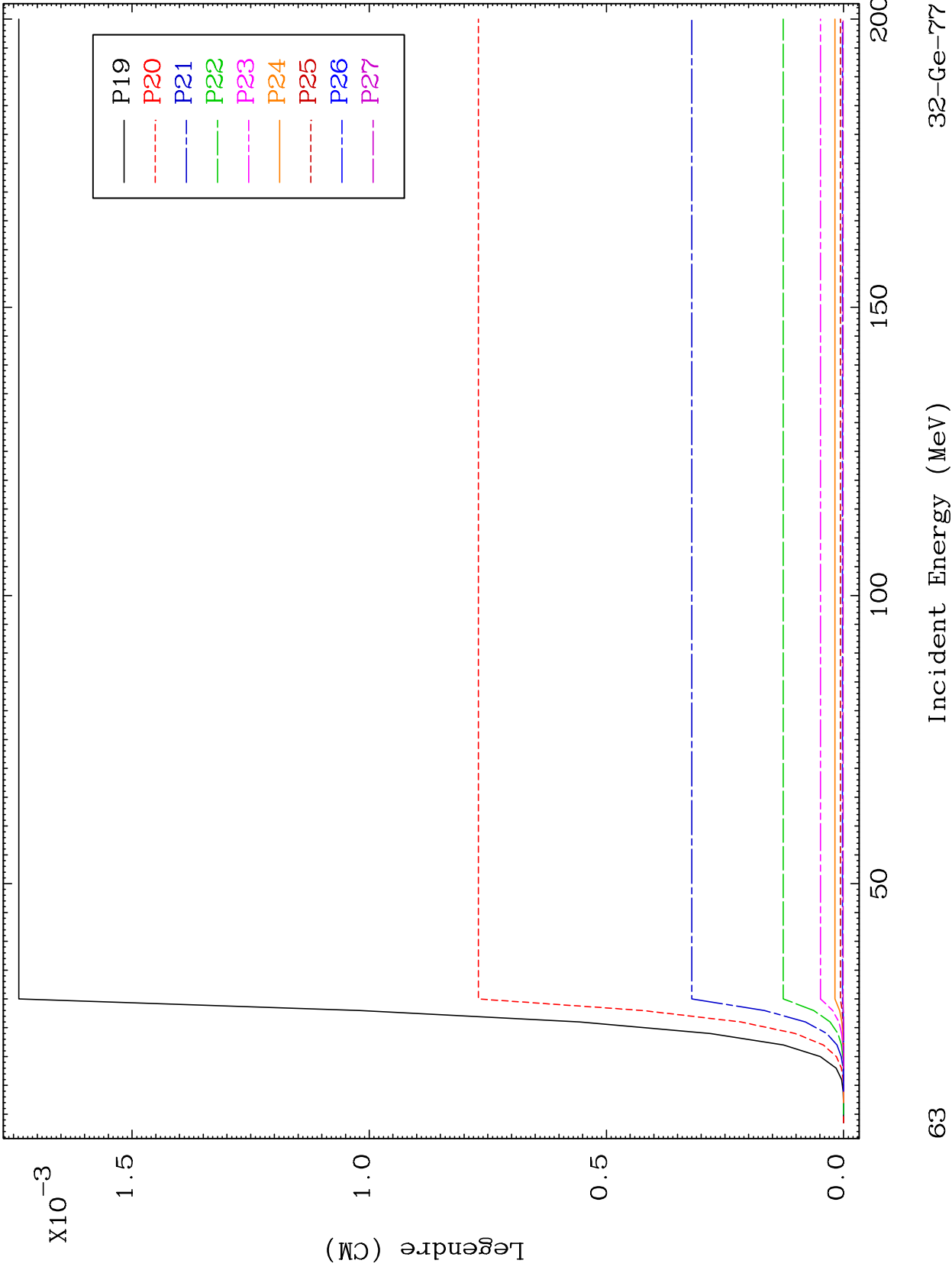
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



63

Incident Energy (MeV)

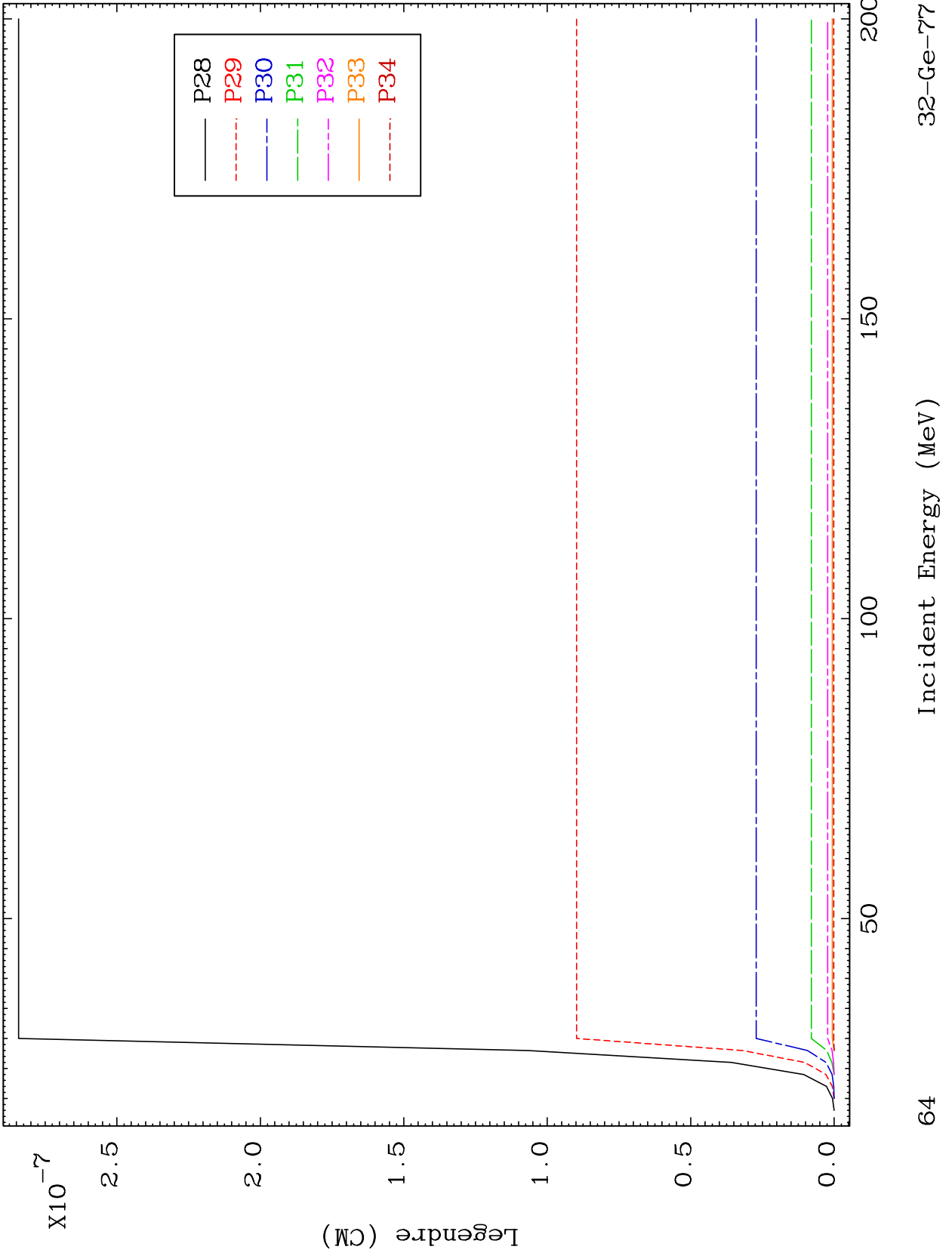
32-Ge-77



MAT 3246

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

32-Ge-77



64

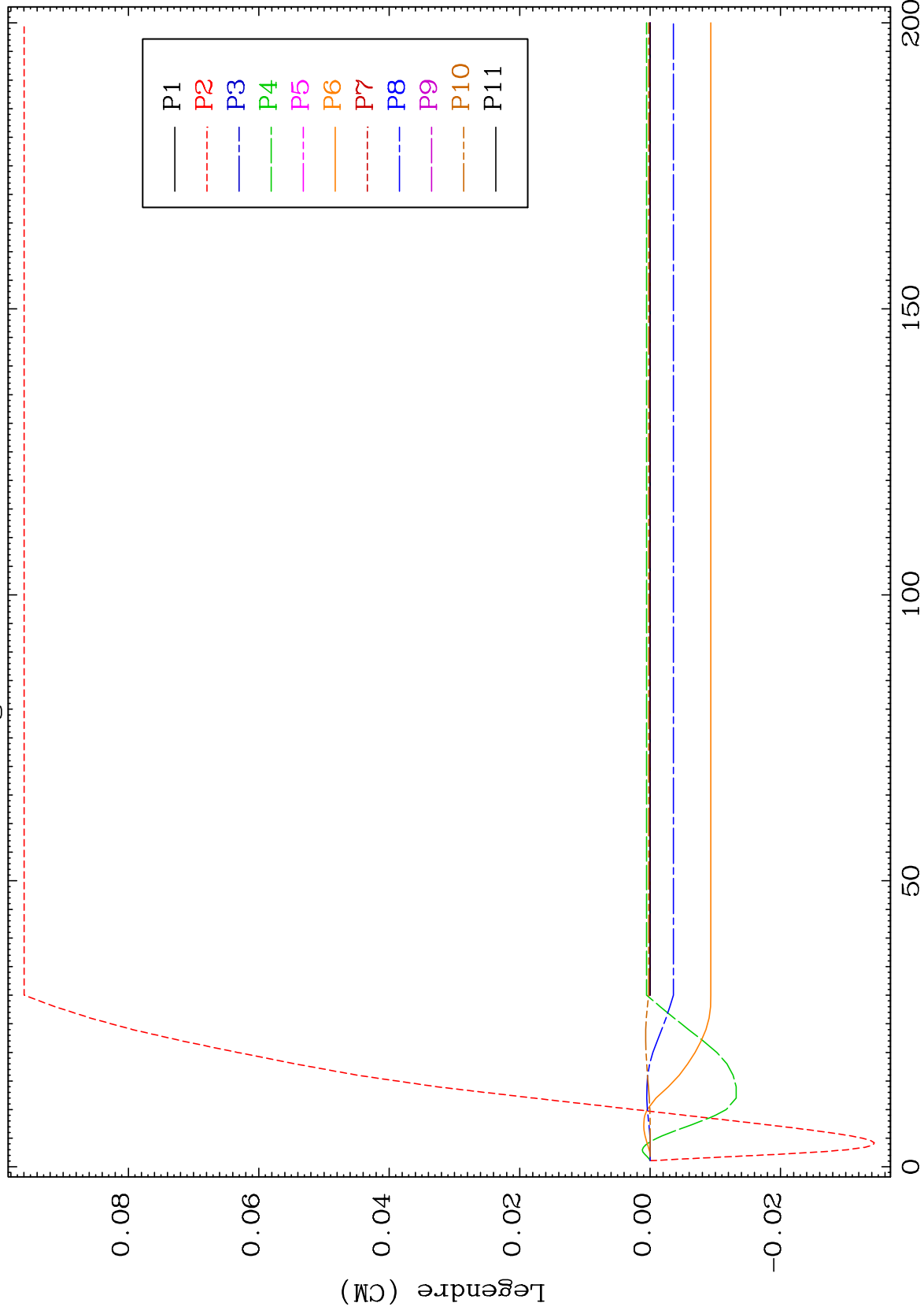
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



32-Ge-77

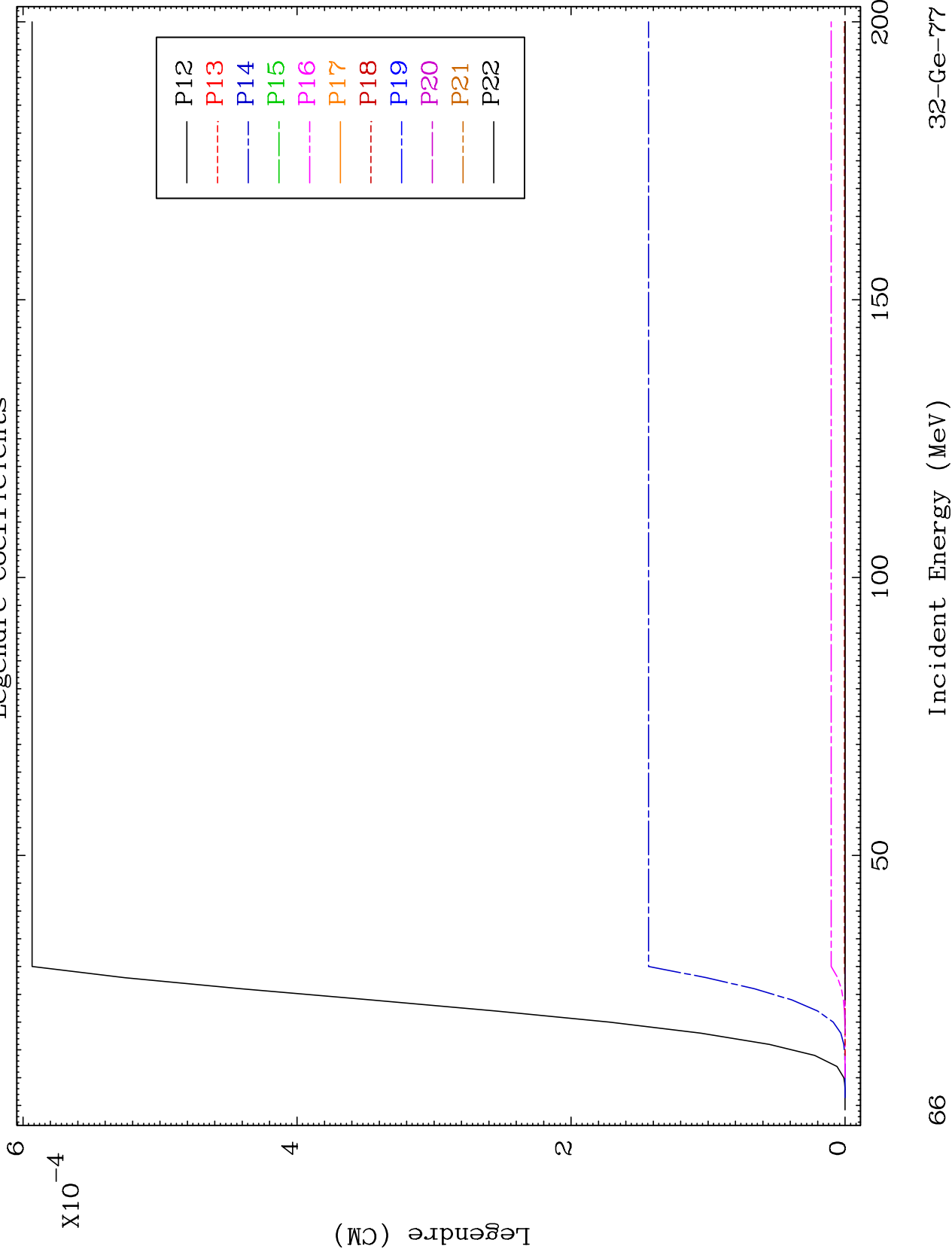
Incident Energy (MeV)

65

MAT 3246

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

32-Ge-77



66

Incident Energy (MeV)

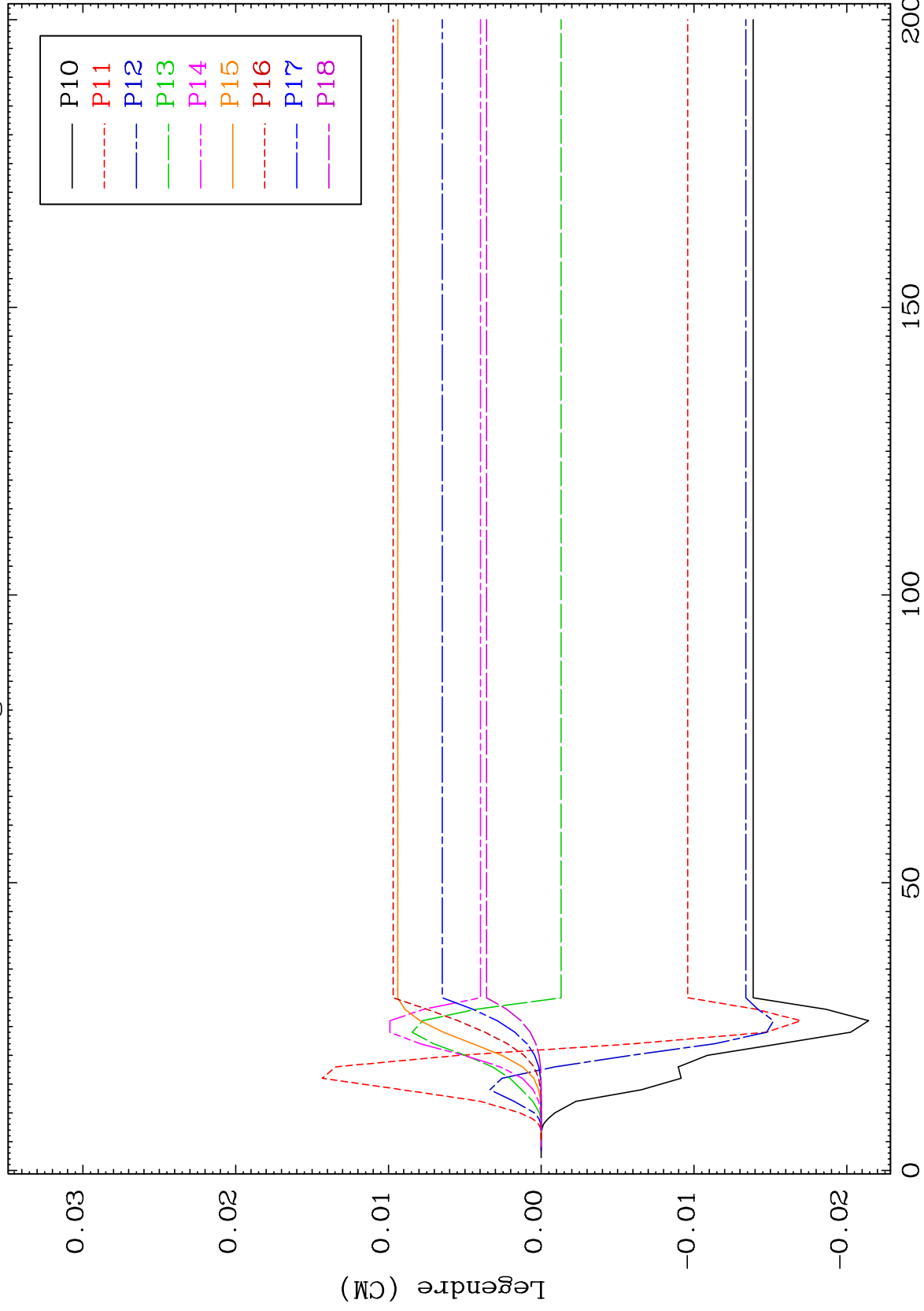
32-Ge-77



MAT 3246

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

32-Ge-77



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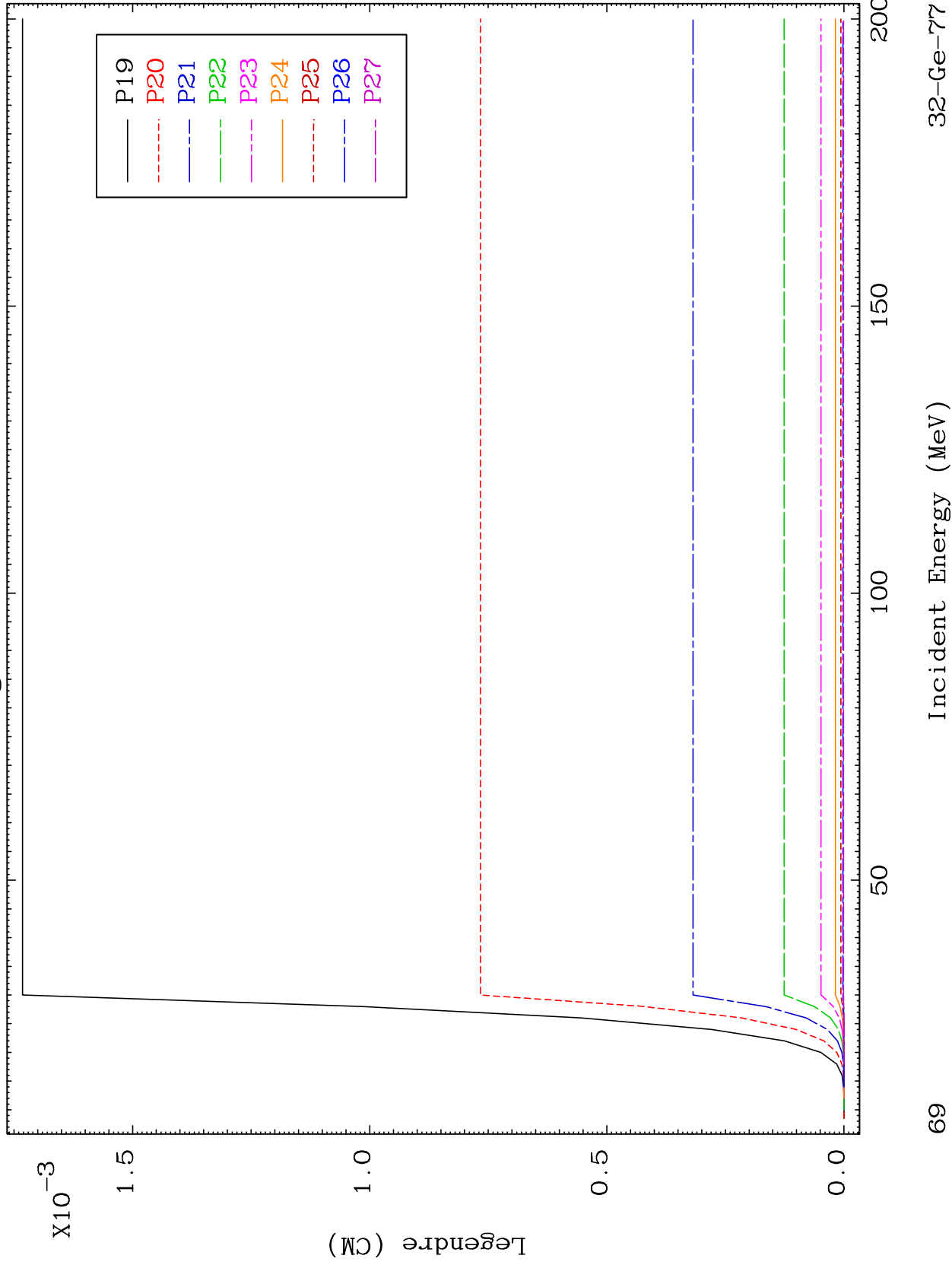
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



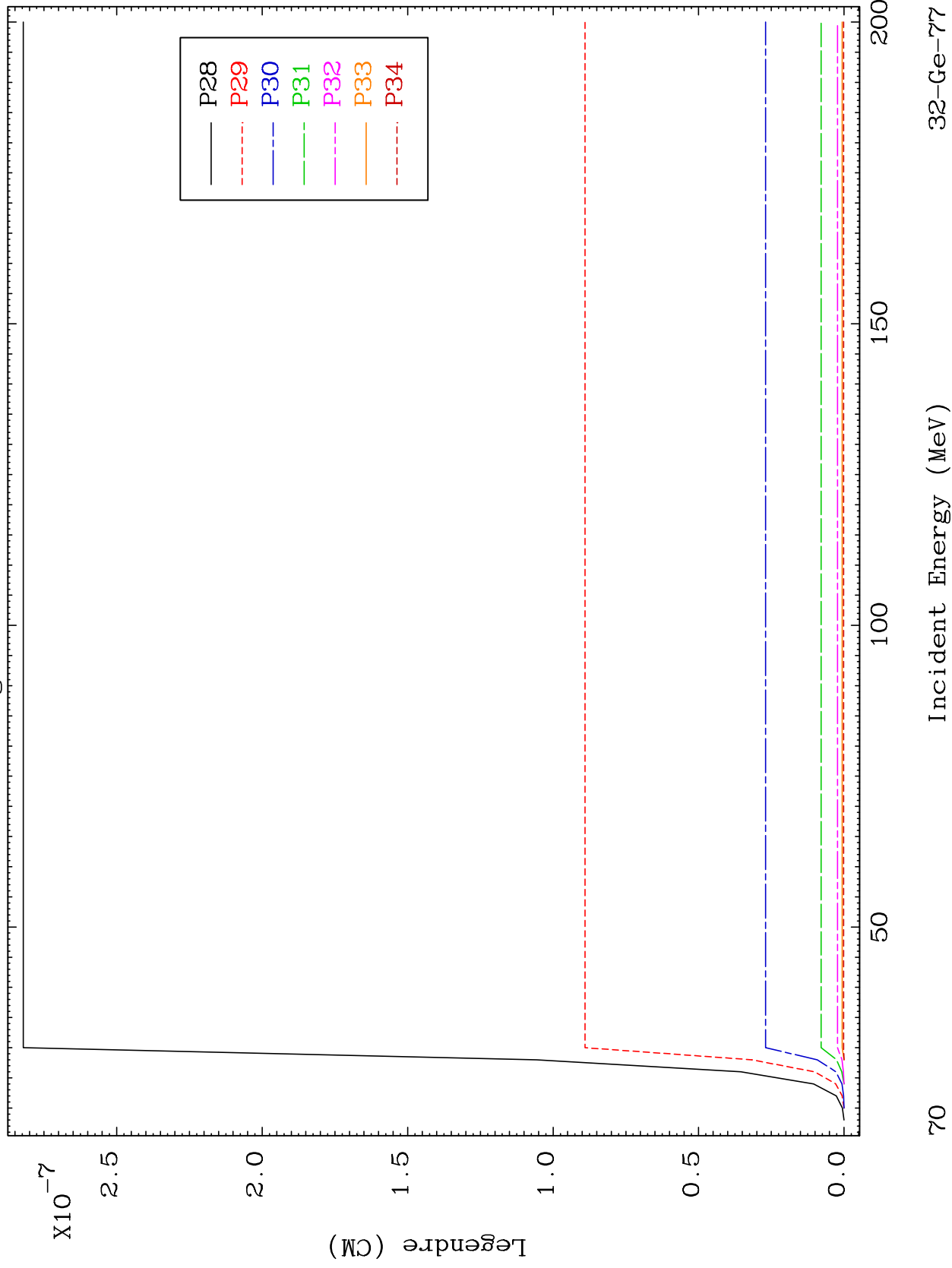
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32-Ge-77

MAT 3246

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

32-Ge-77



70

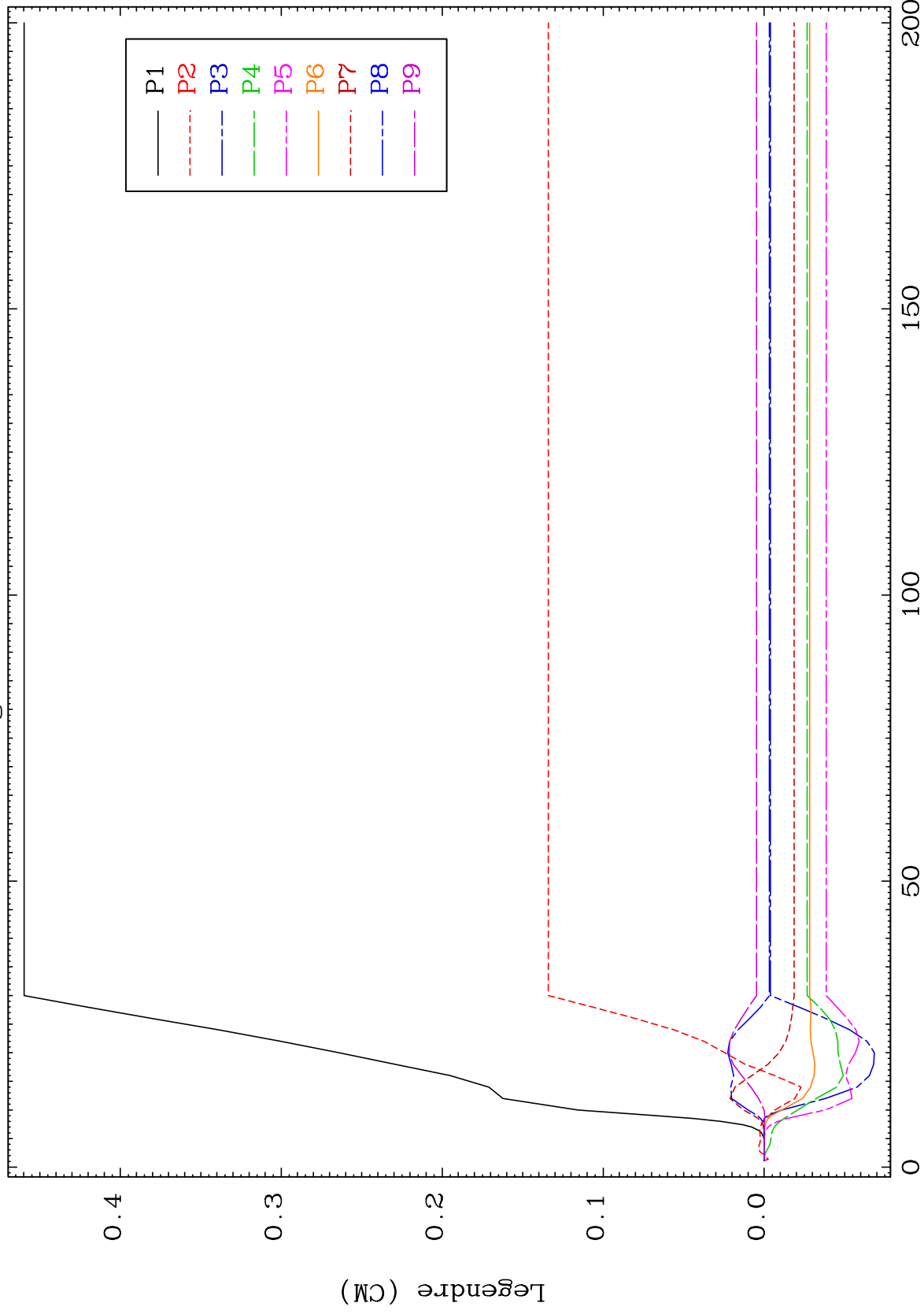
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77

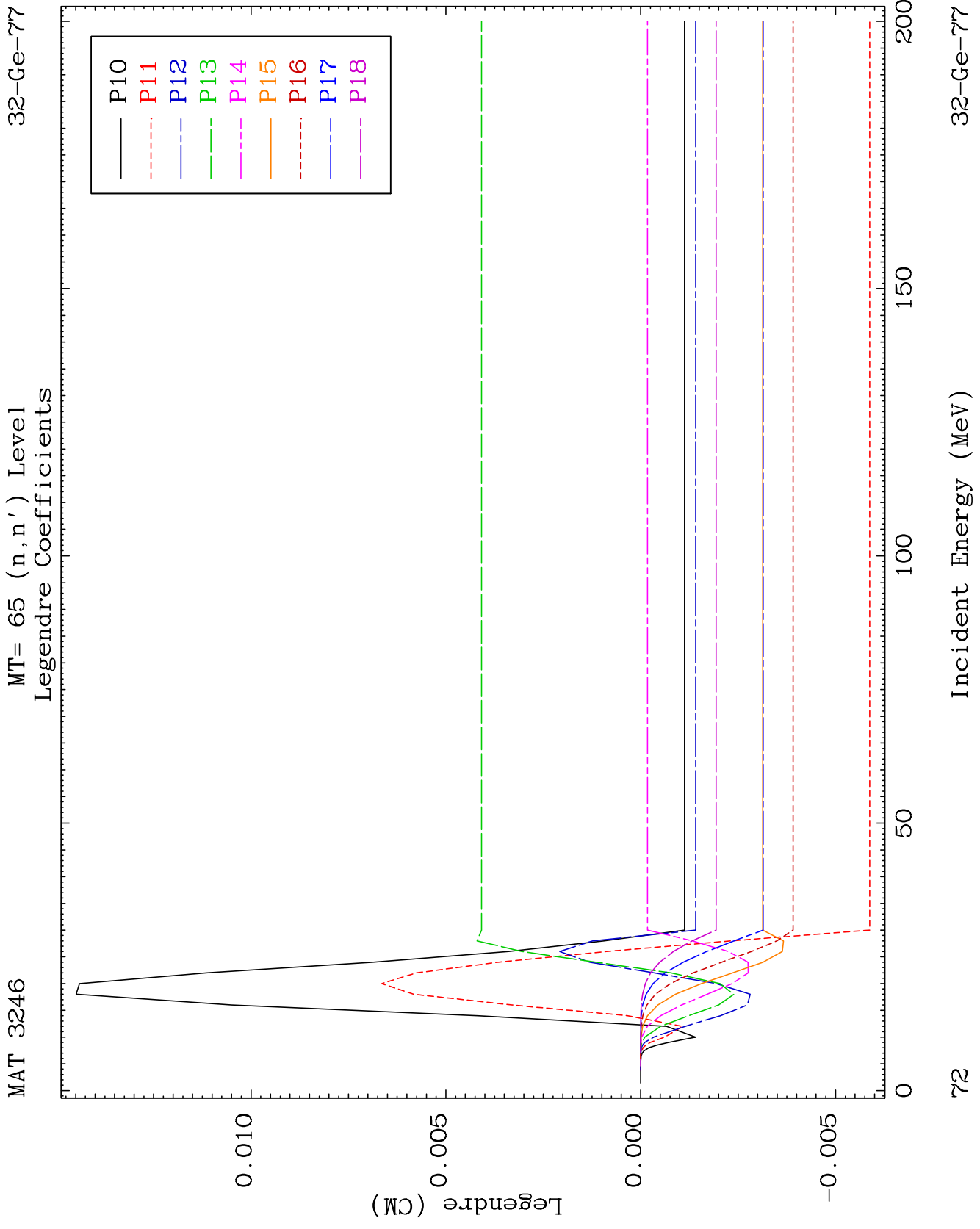


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Incident Energy (MeV)

32-Ge-77



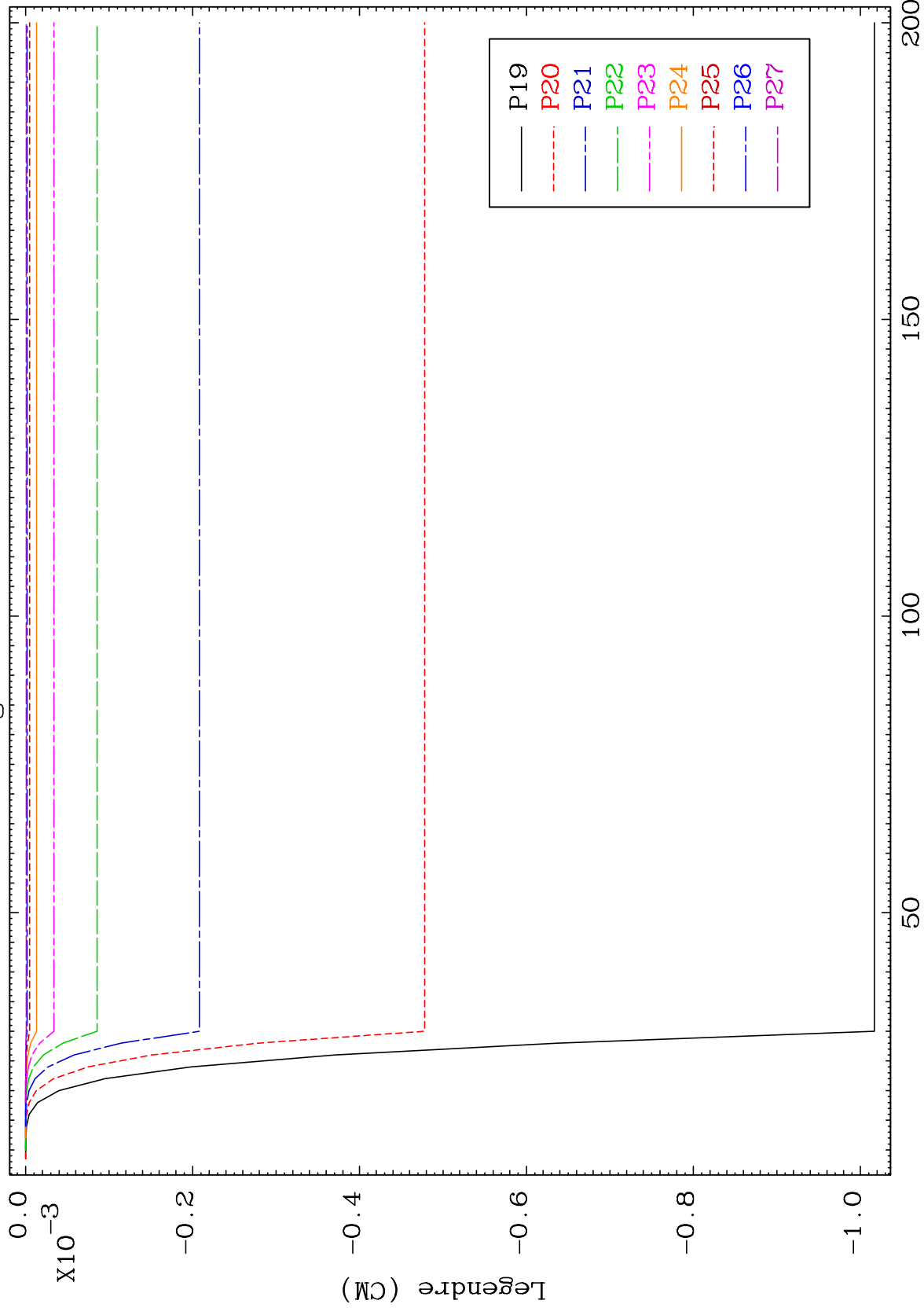


MAT 3246

MT= 65 (n,n') Level

32-Ge-77

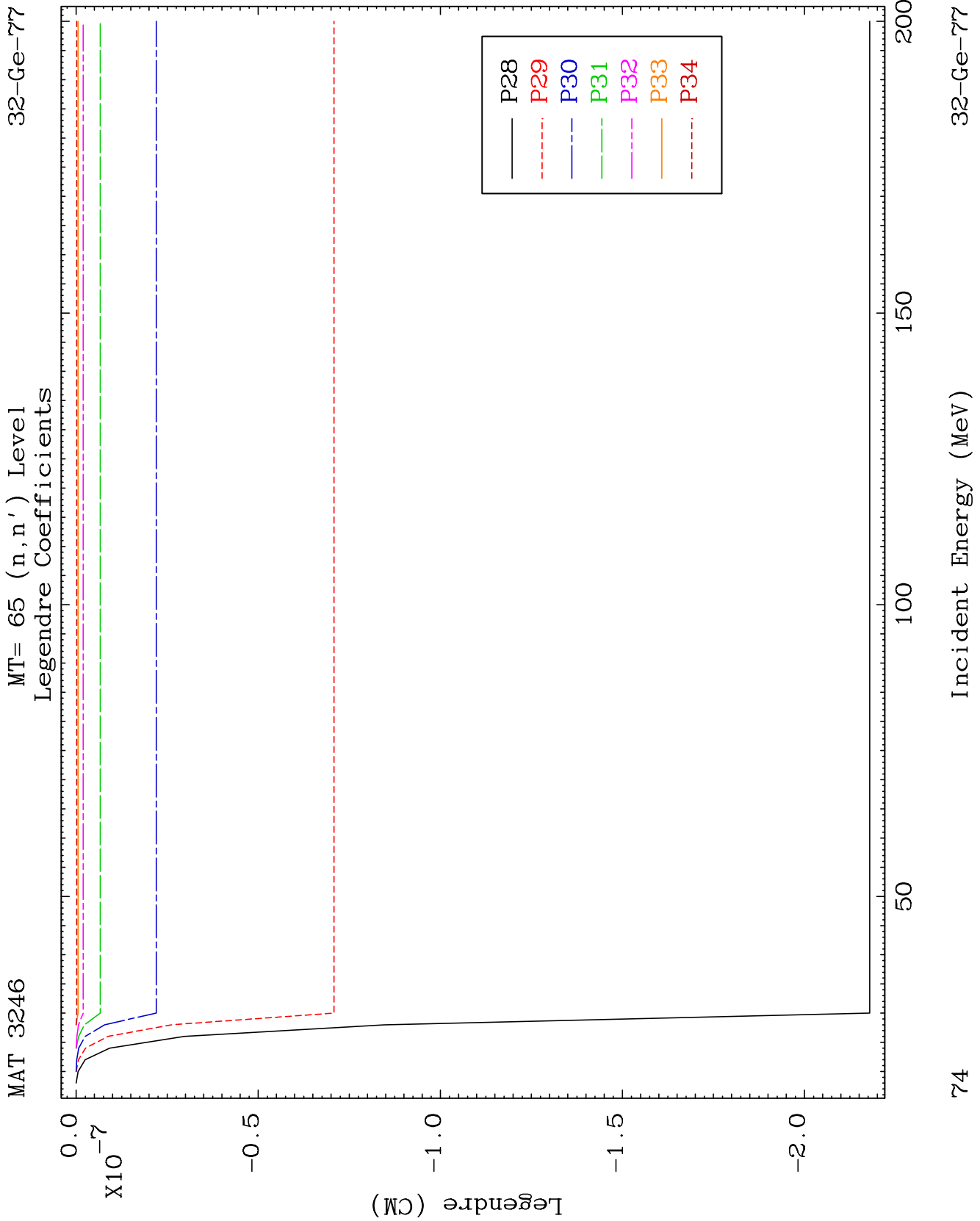
Legendre Coefficients



32-Ge-77

Incident Energy (MeV)

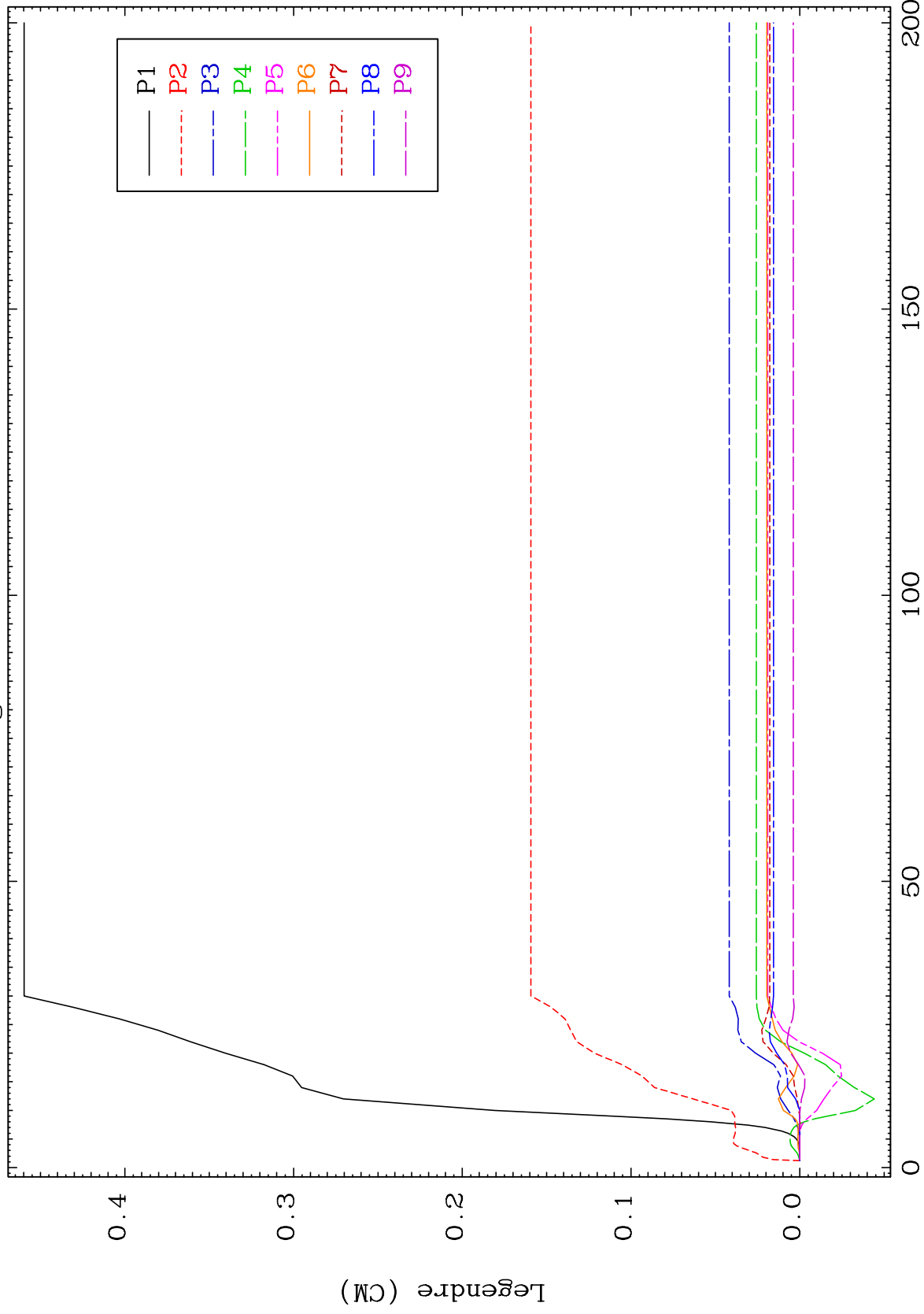
73



MAT 3246

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

32-Ge-77



75

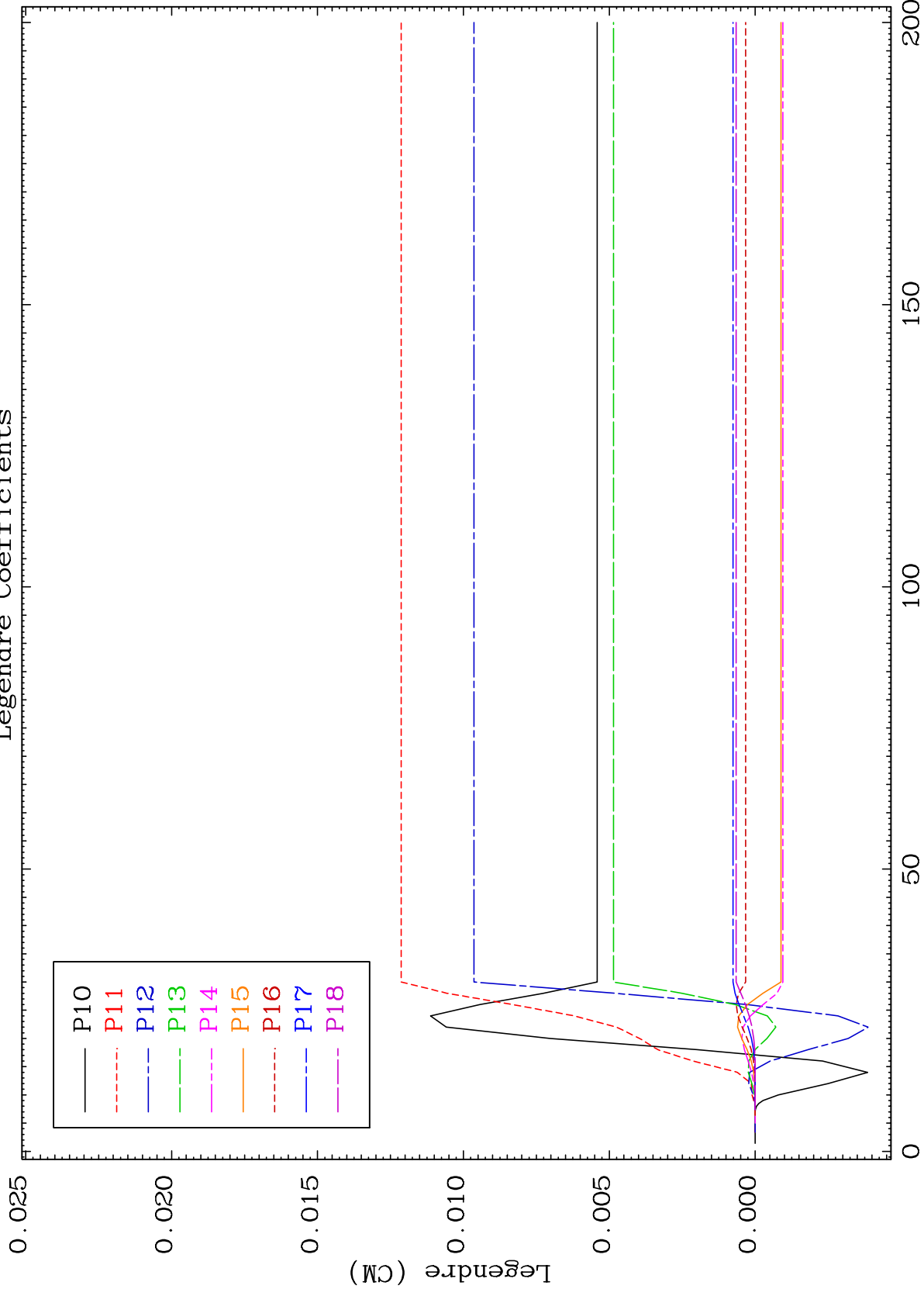
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



76

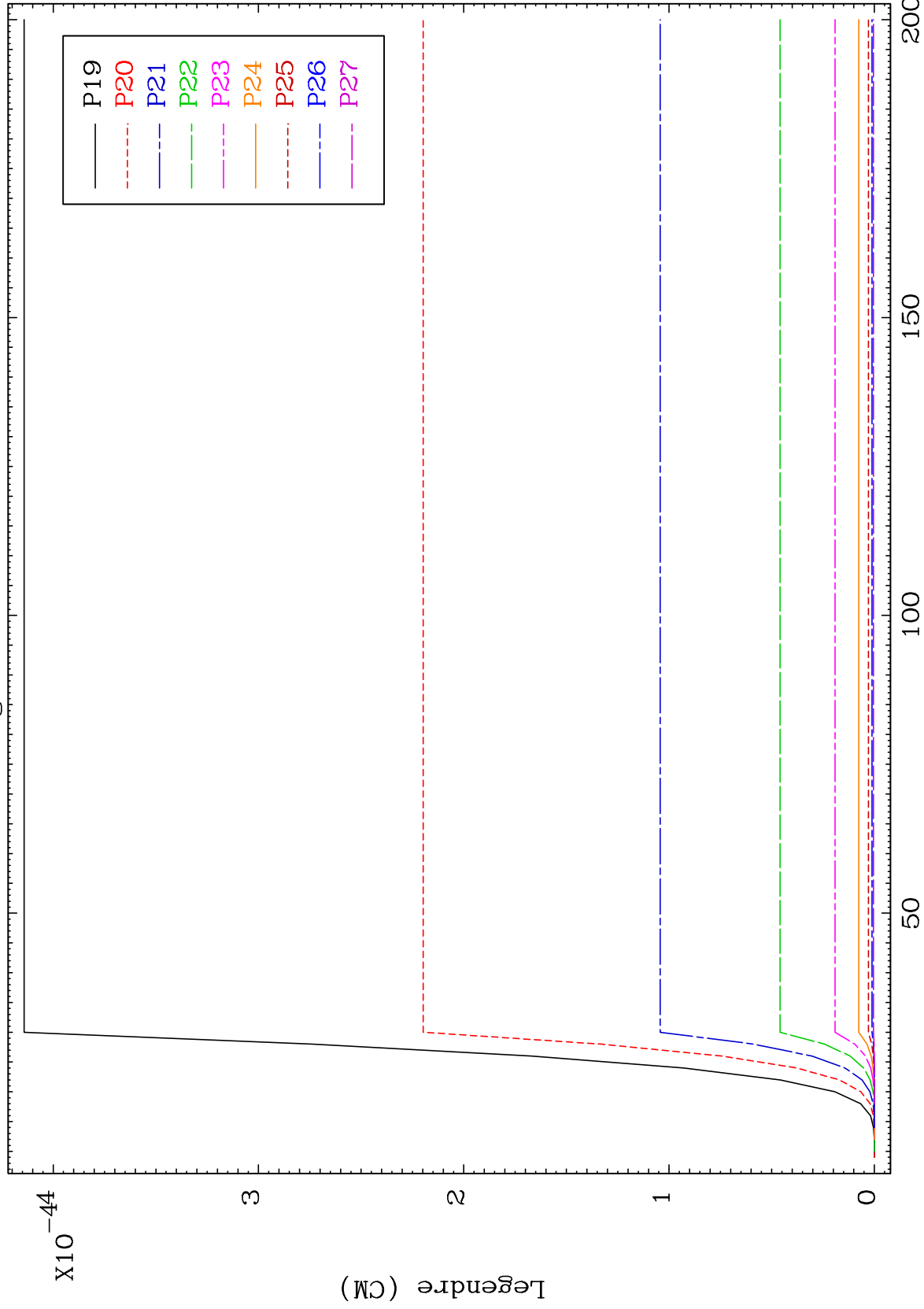
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



77

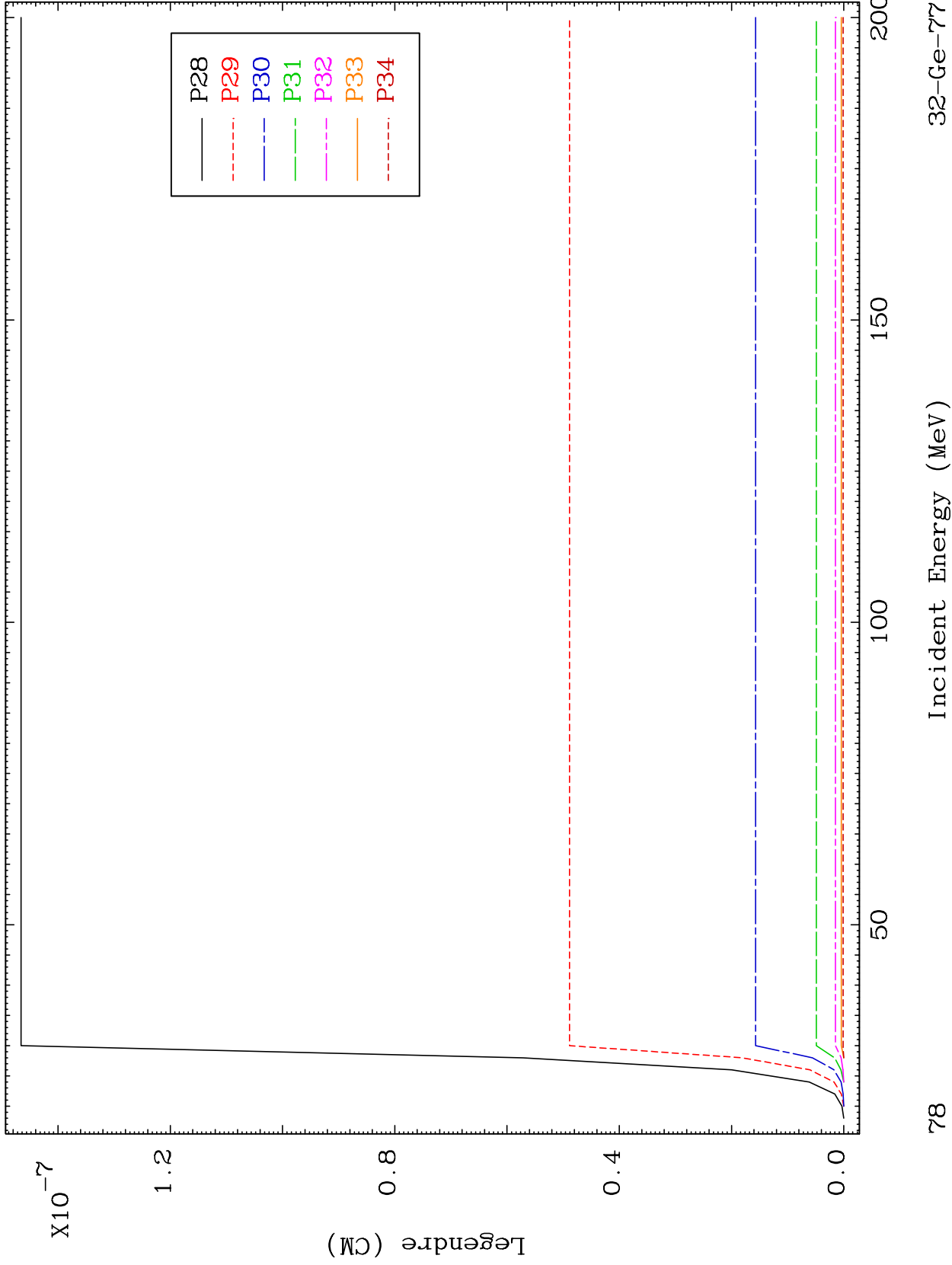
Incident Energy (MeV)

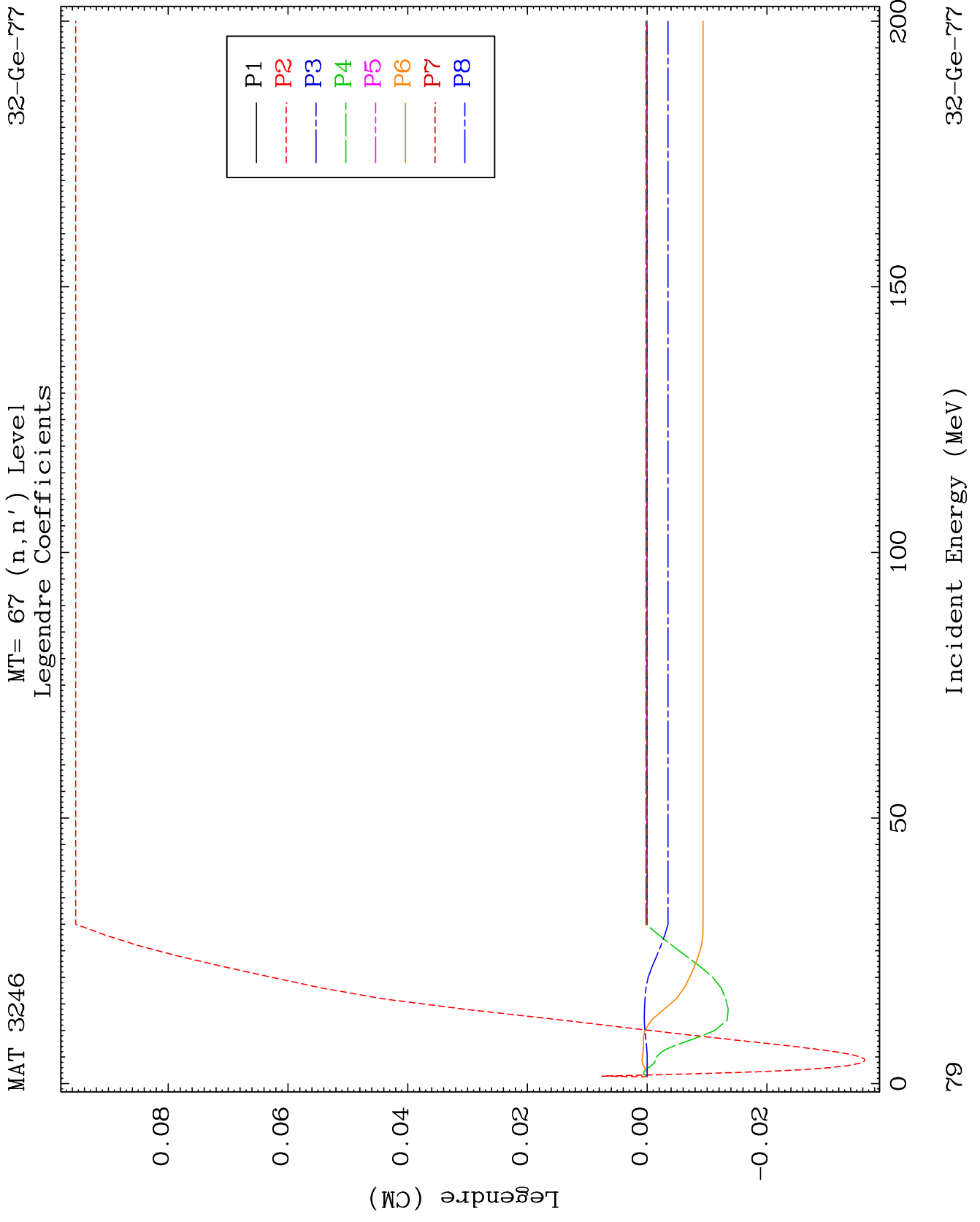
32-Ge-77

MAT 3246

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

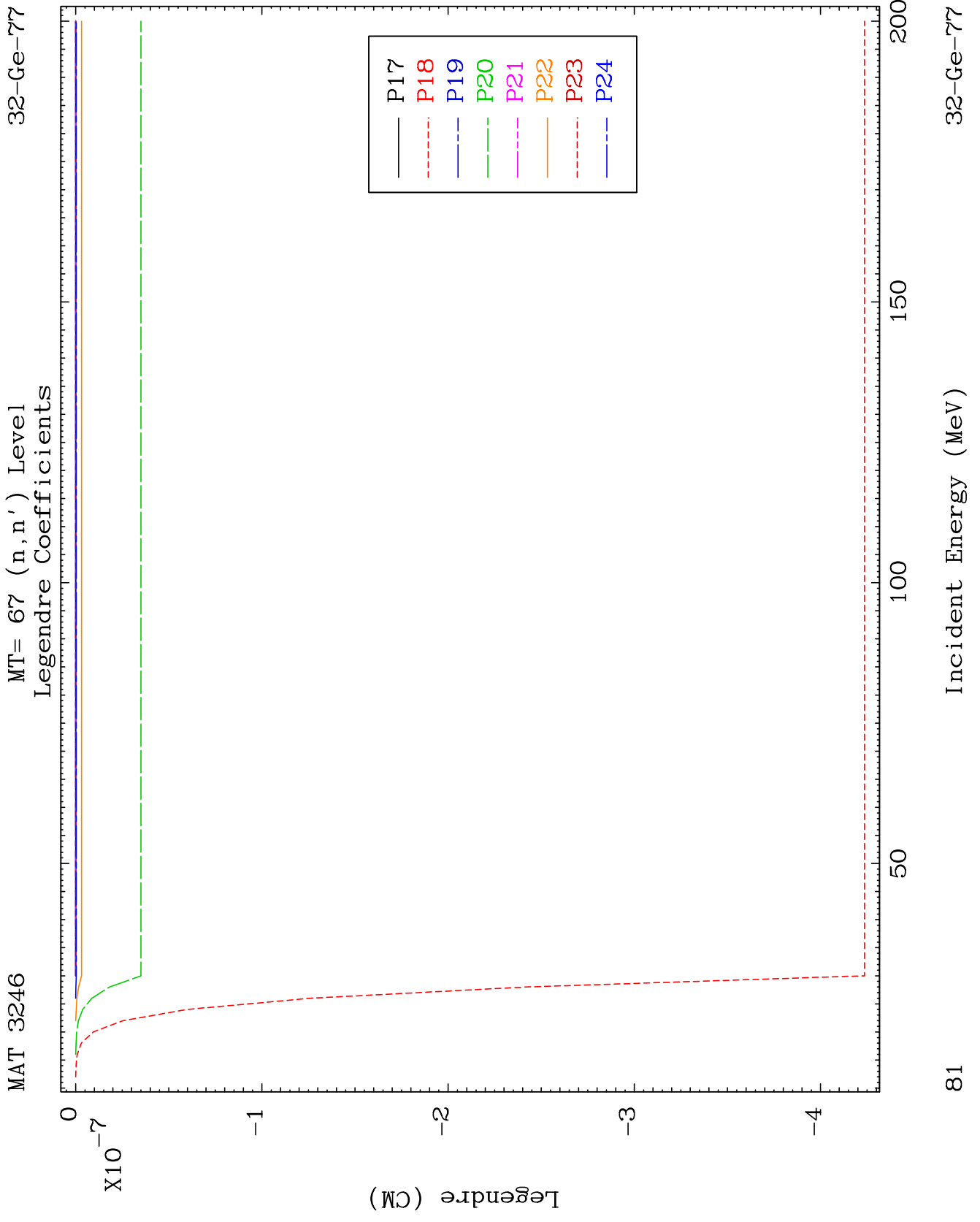
32-Ge-77









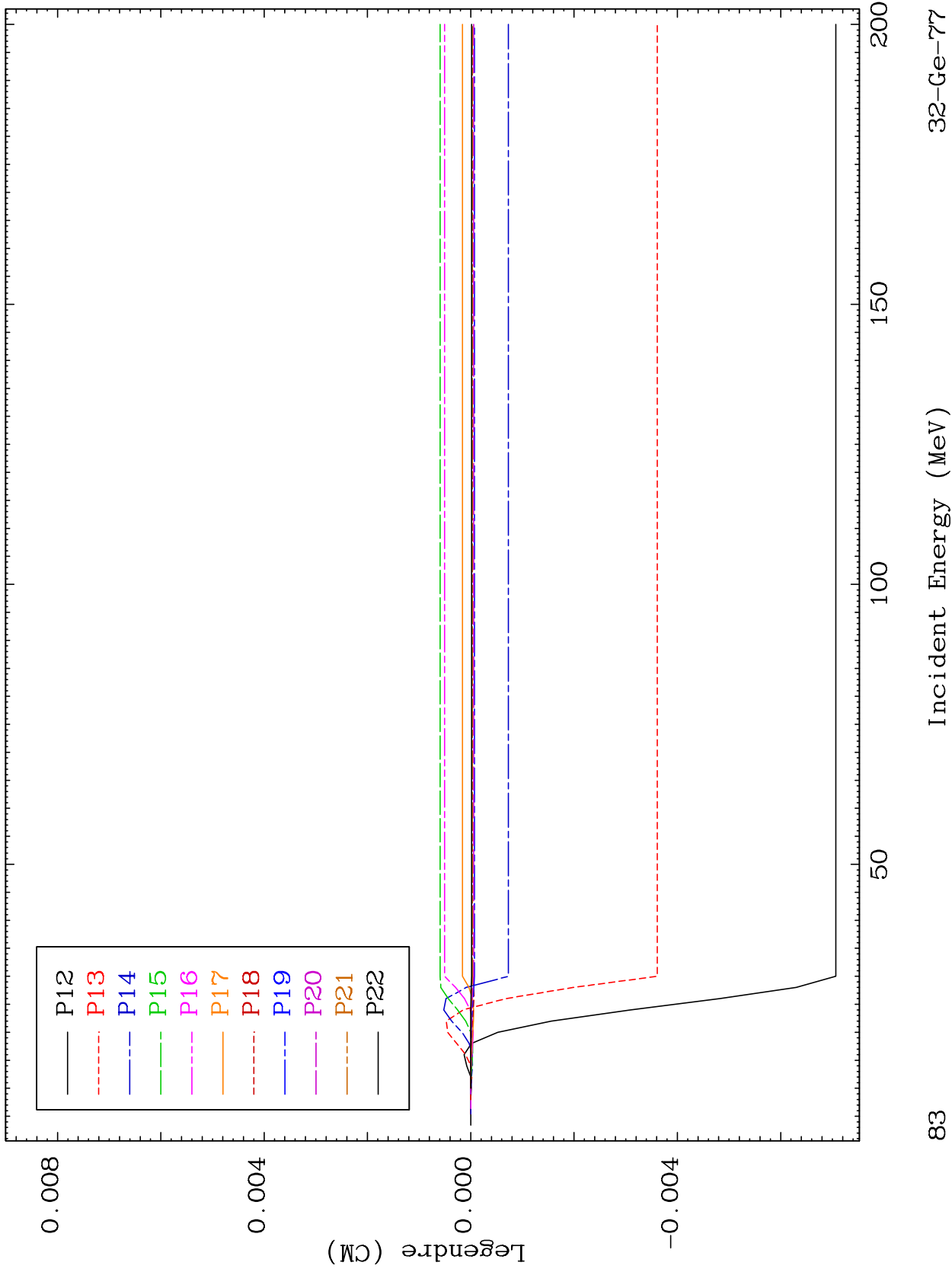


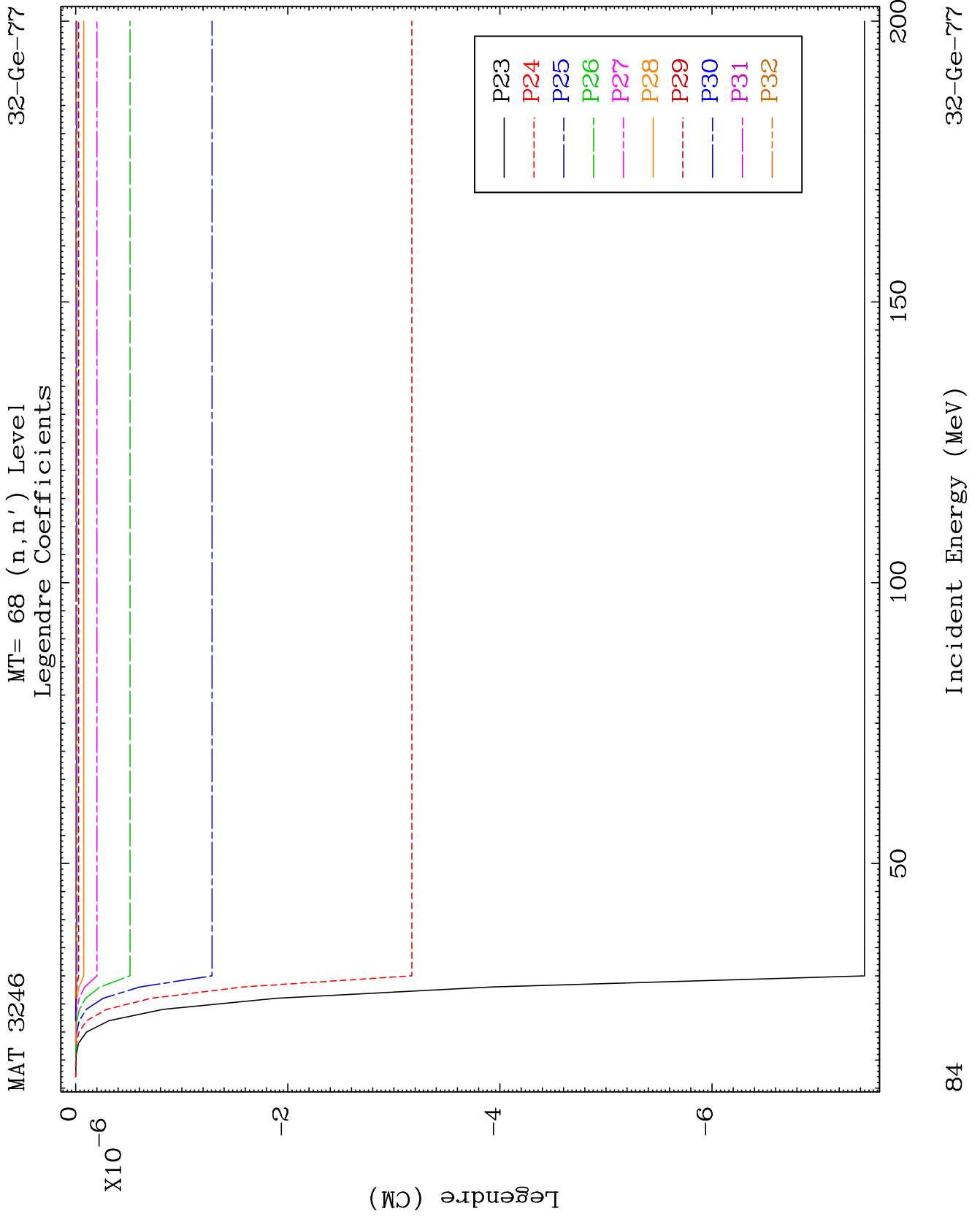


MAT 3246

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

<sup>32</sup>Ge-77



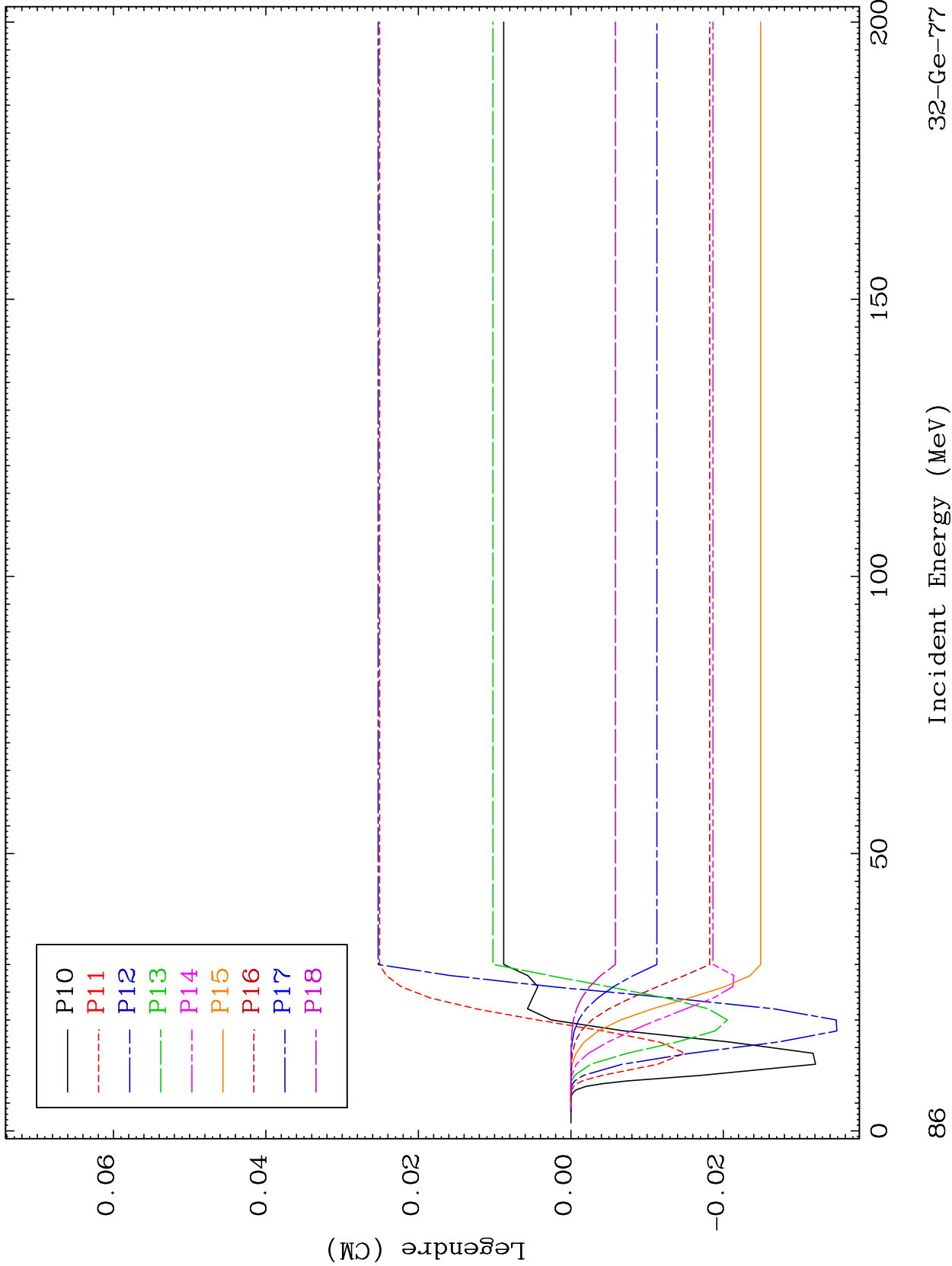




MAT 3246

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

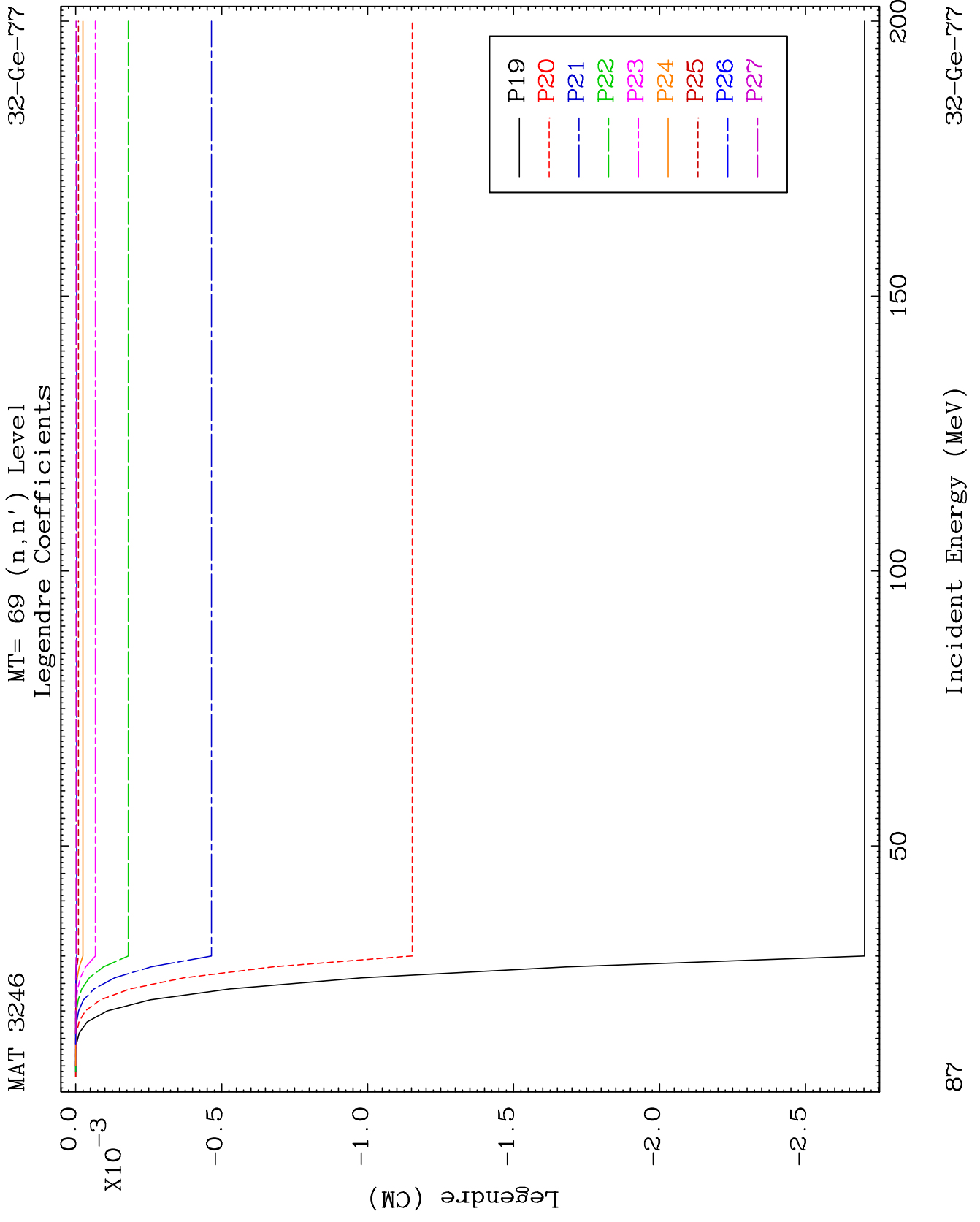
32-Ge-77



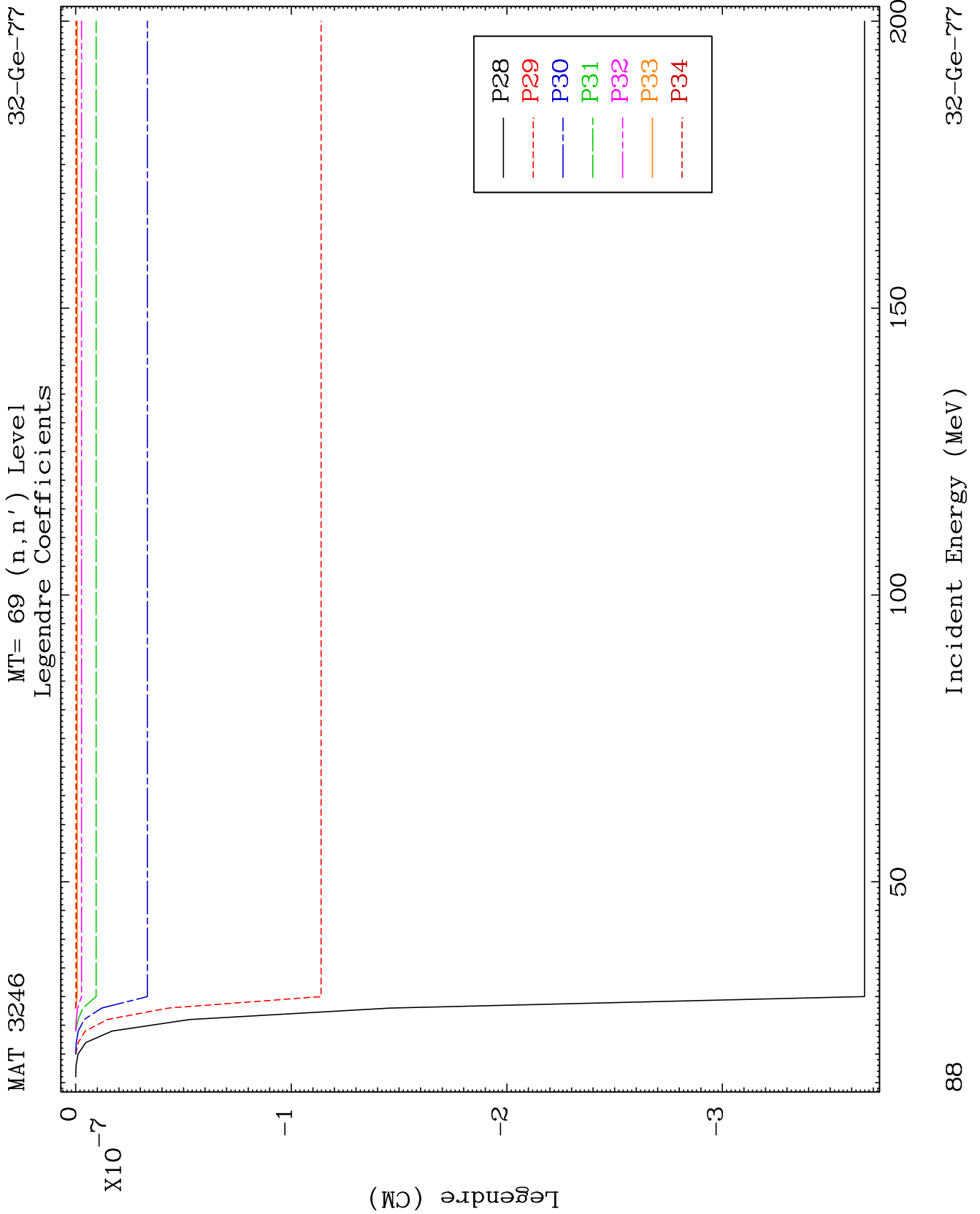
86

Incident Energy (MeV)

32-Ge-77



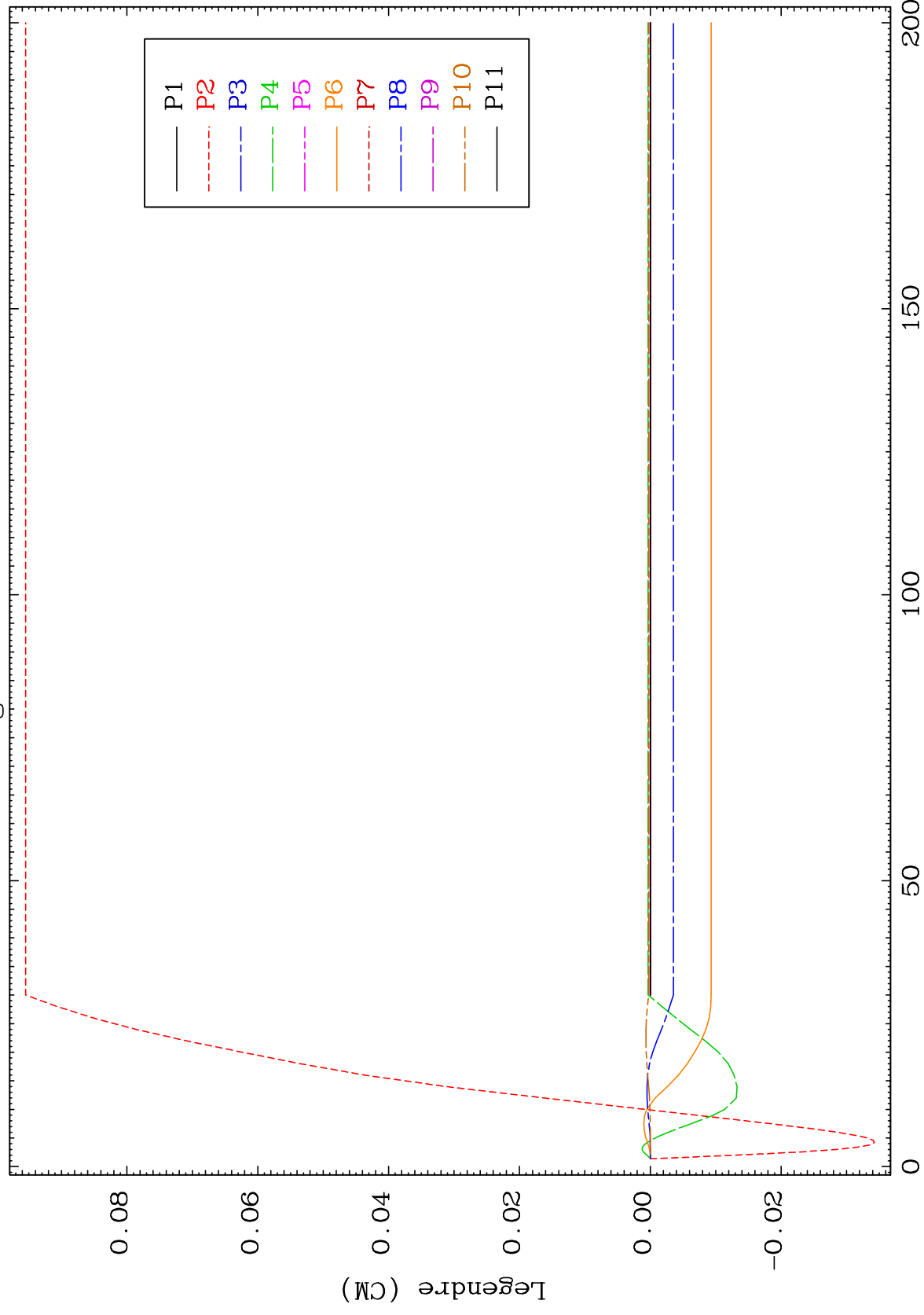




MAT 3246

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

32-Ge-77



89

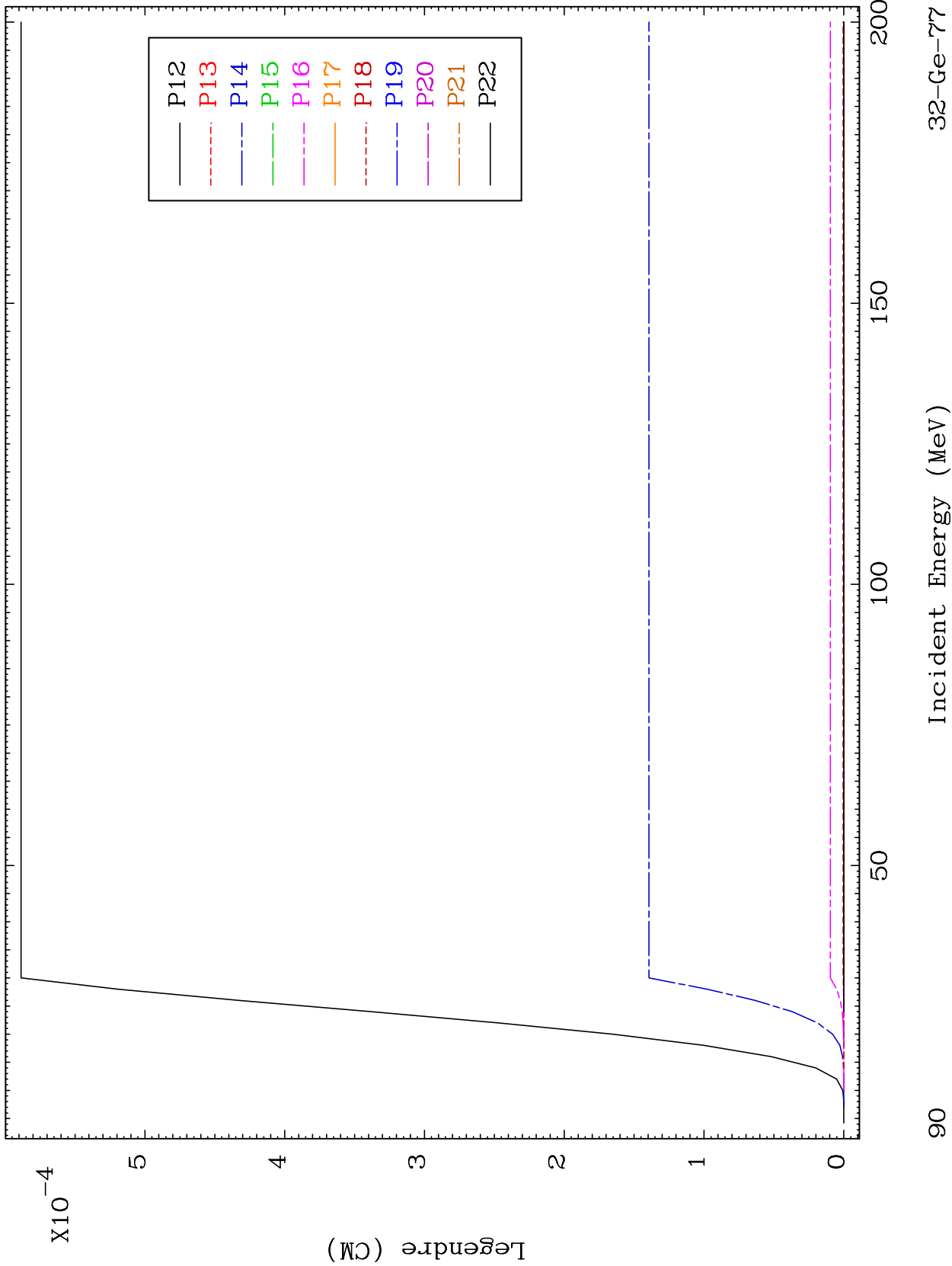
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



90

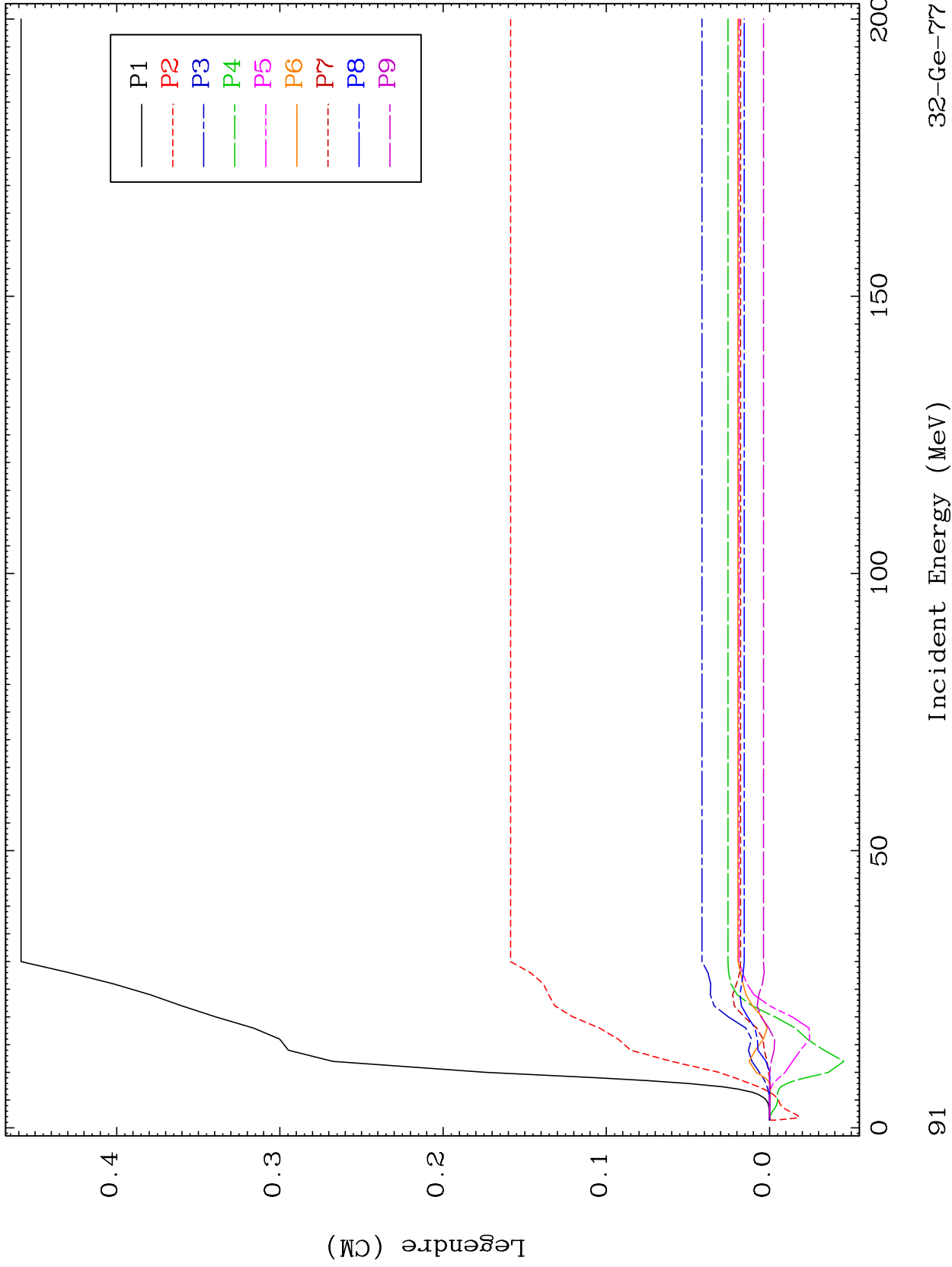
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



91

Incident Energy (MeV)

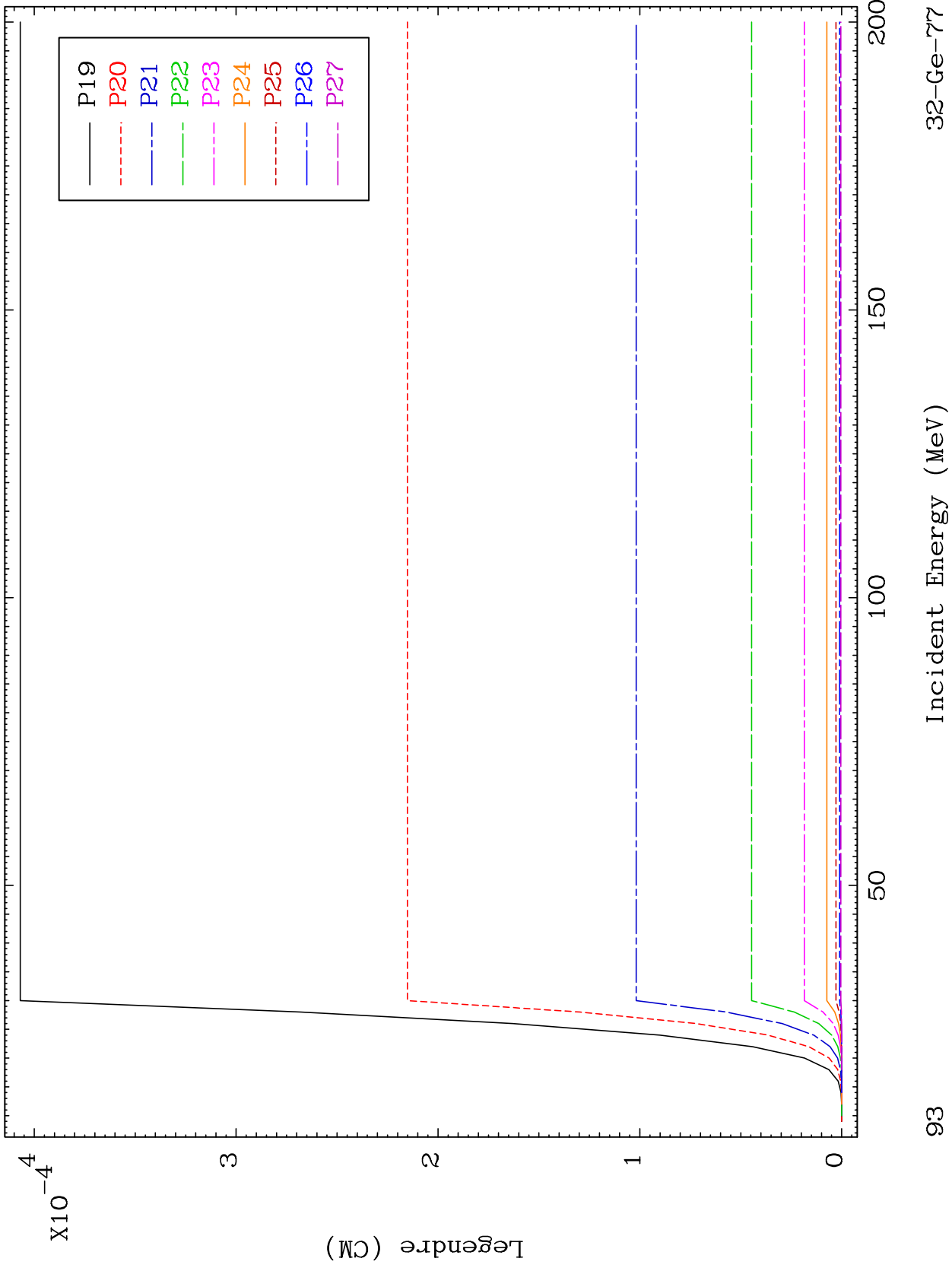
32-Ge-77



MAT 3246

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

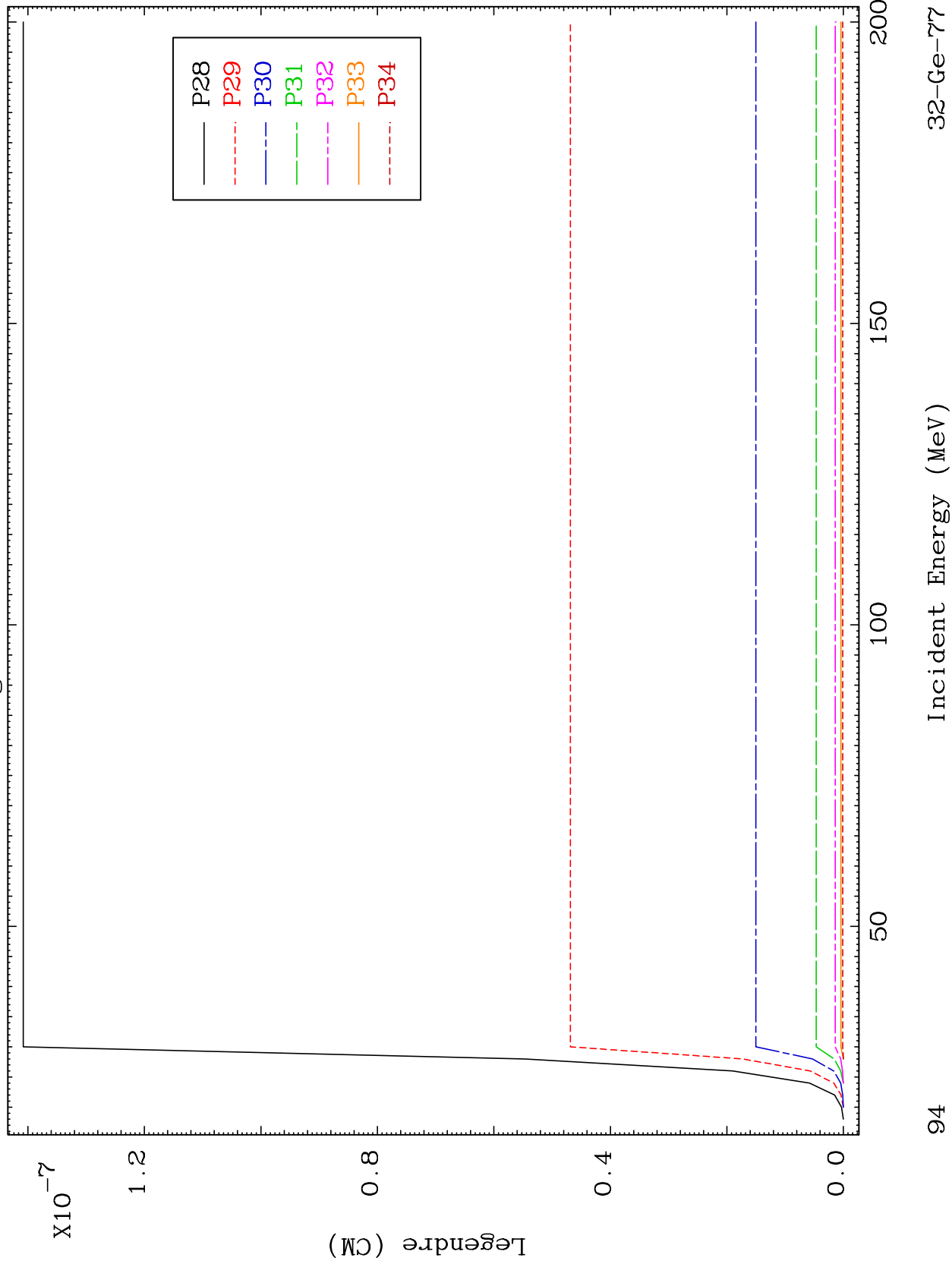
32-Ge-77



MAT 3246

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

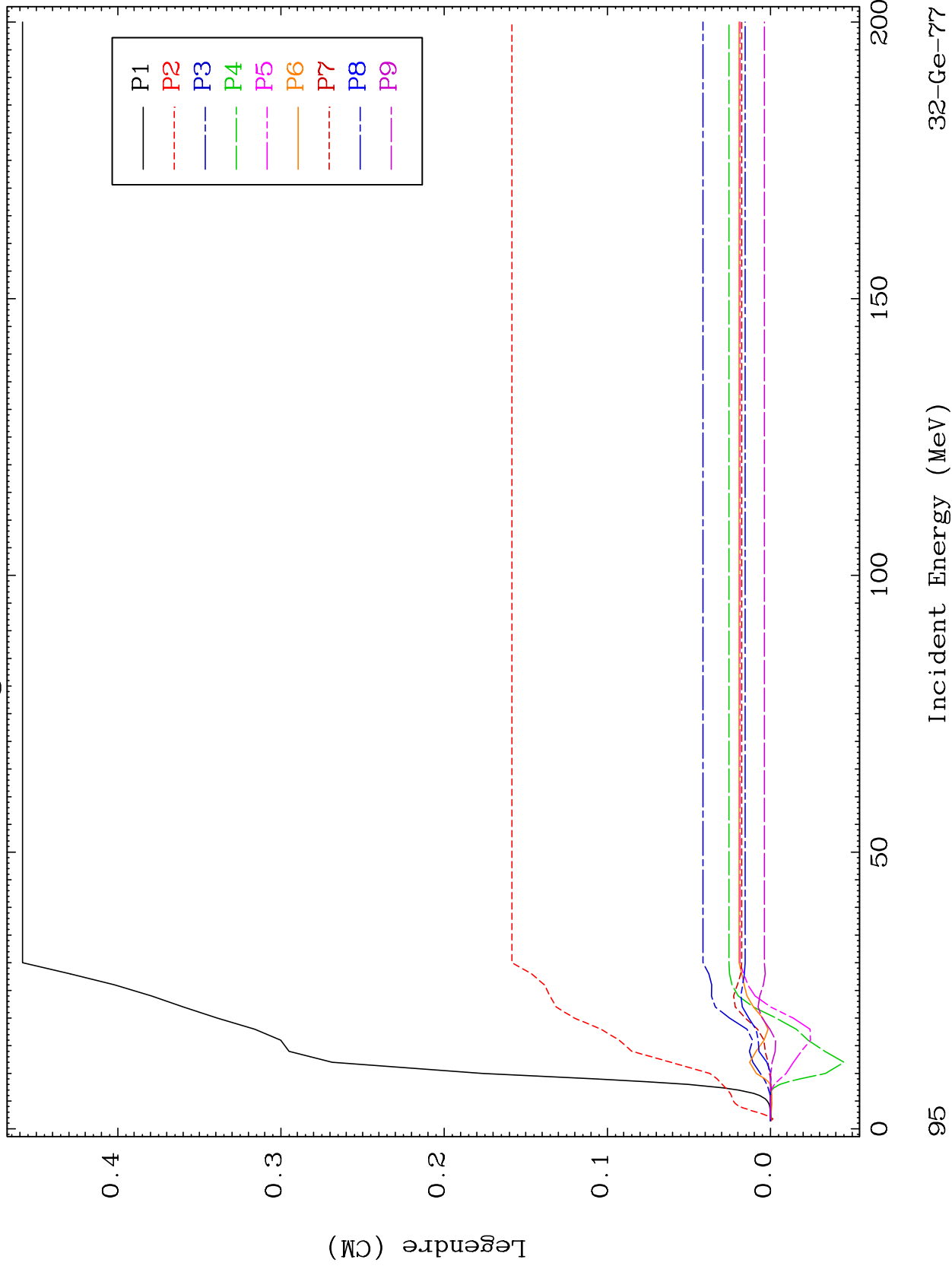
32-Ge-77



MAT 3246

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

32-Ge-77



32-Ge-77

Incident Energy (MeV)

95

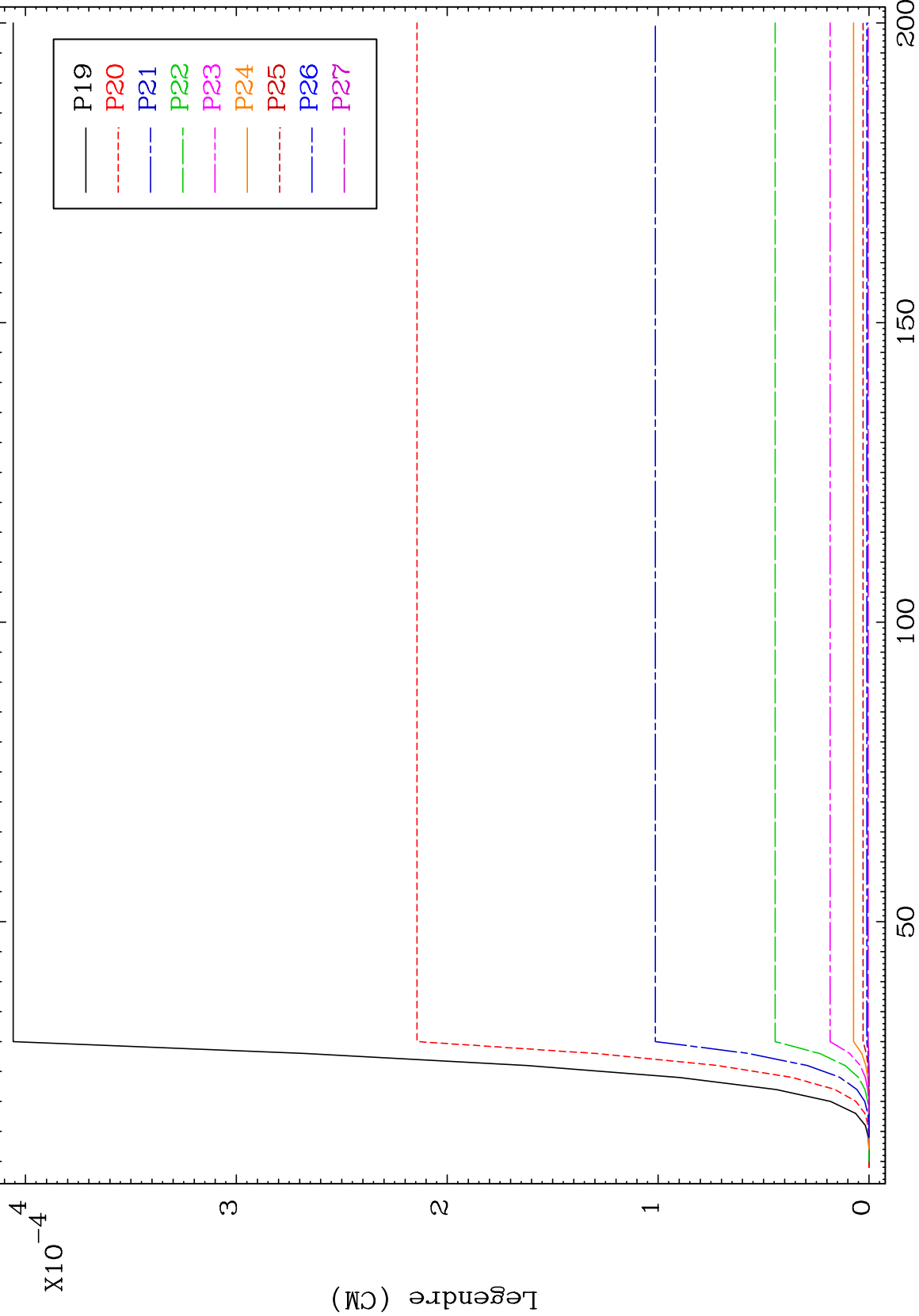




MAT 3246

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

32-Ge-77



97

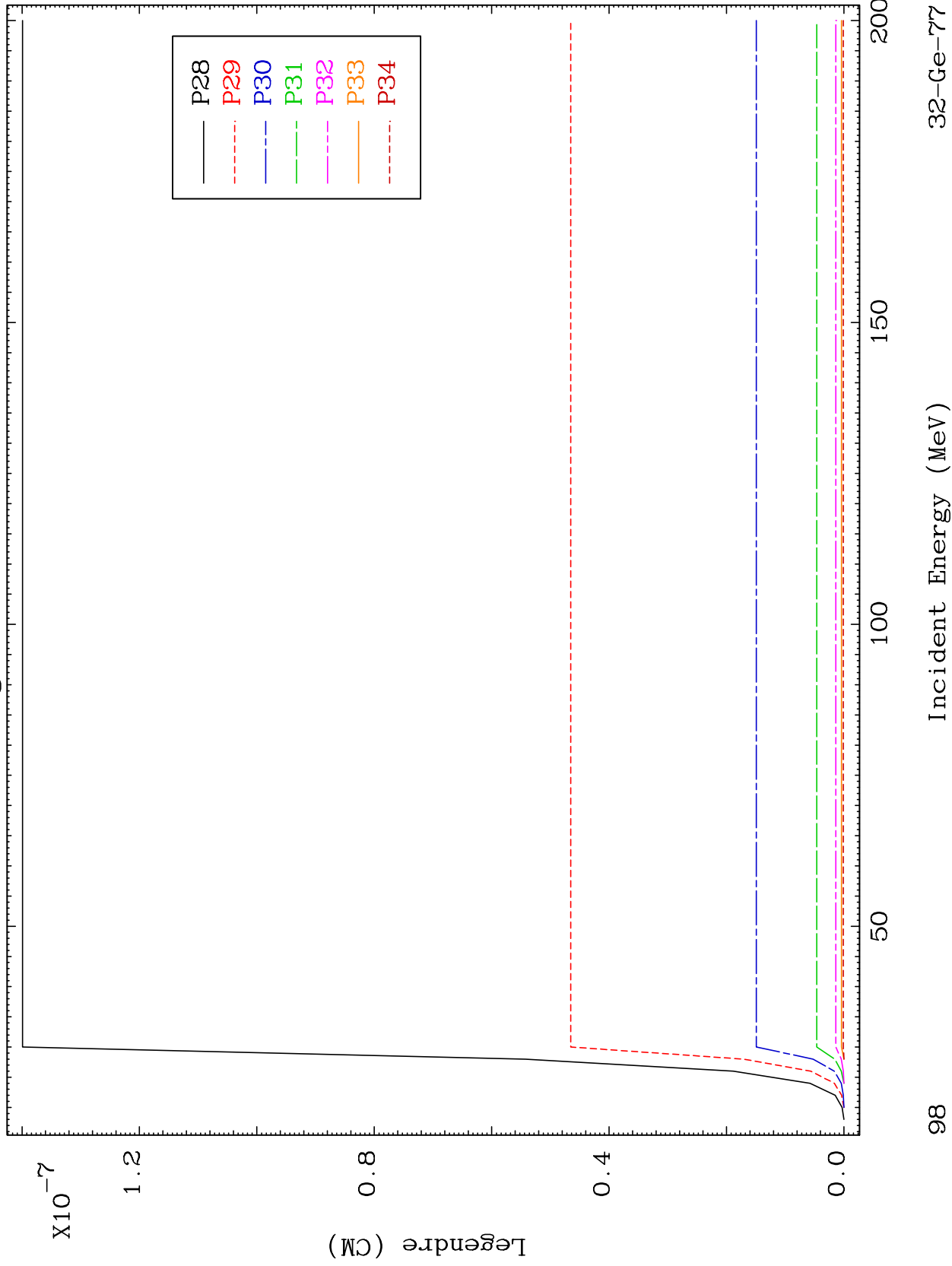
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



98

Incident Energy (MeV)

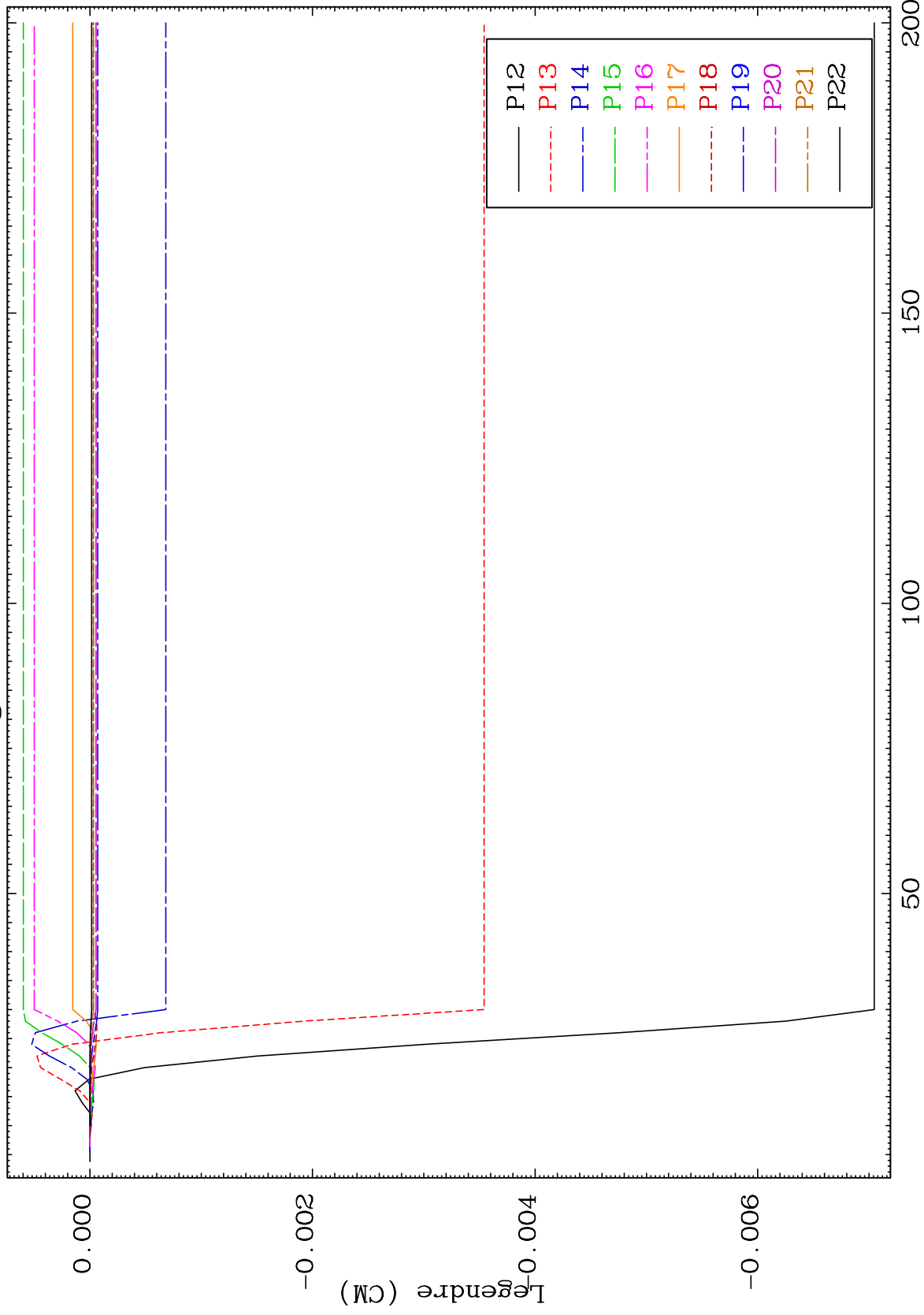
32-Ge-77



MAT 3246

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

32-Ge-77



100

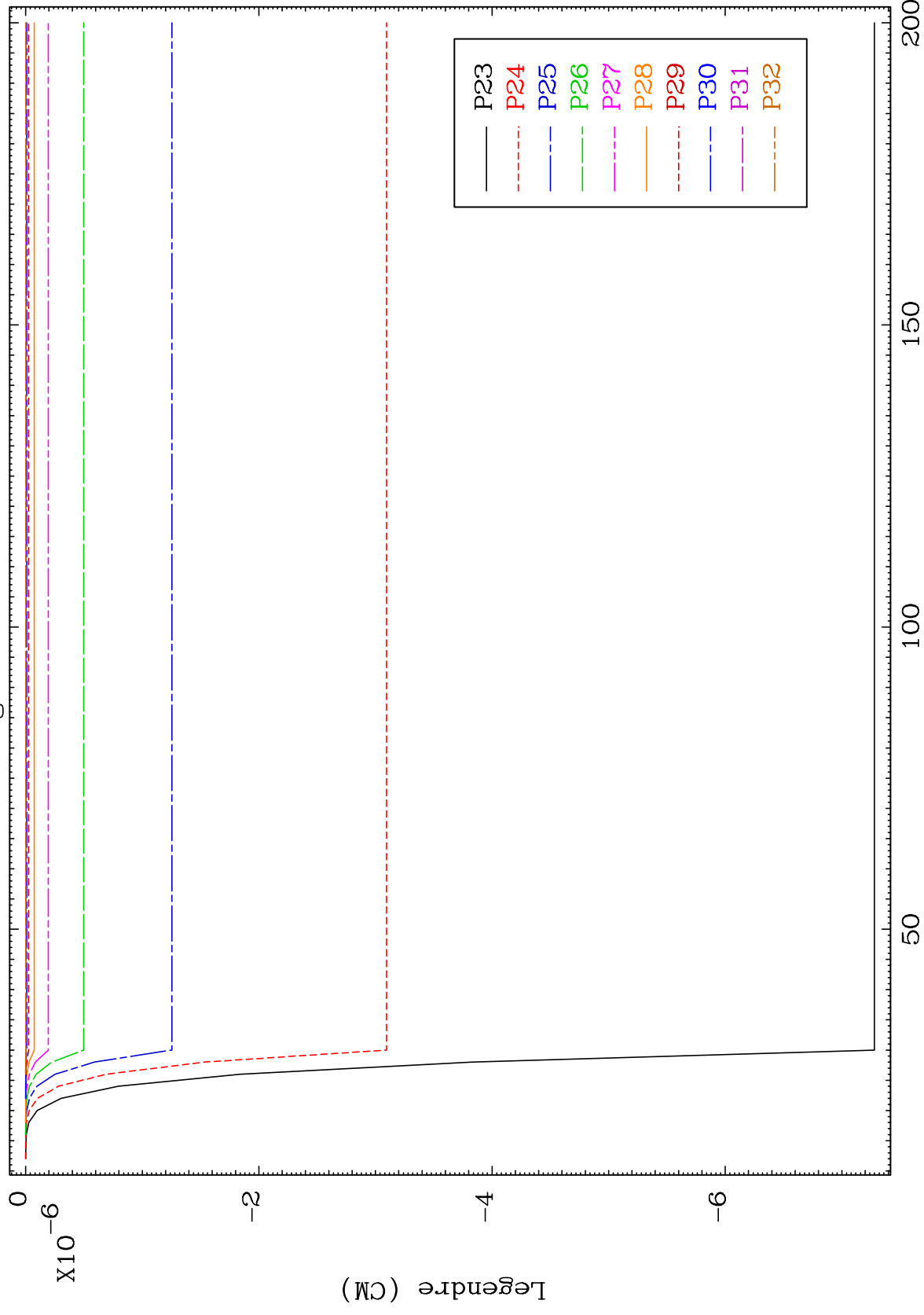
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



32-Ge-77

Incident Energy (MeV)

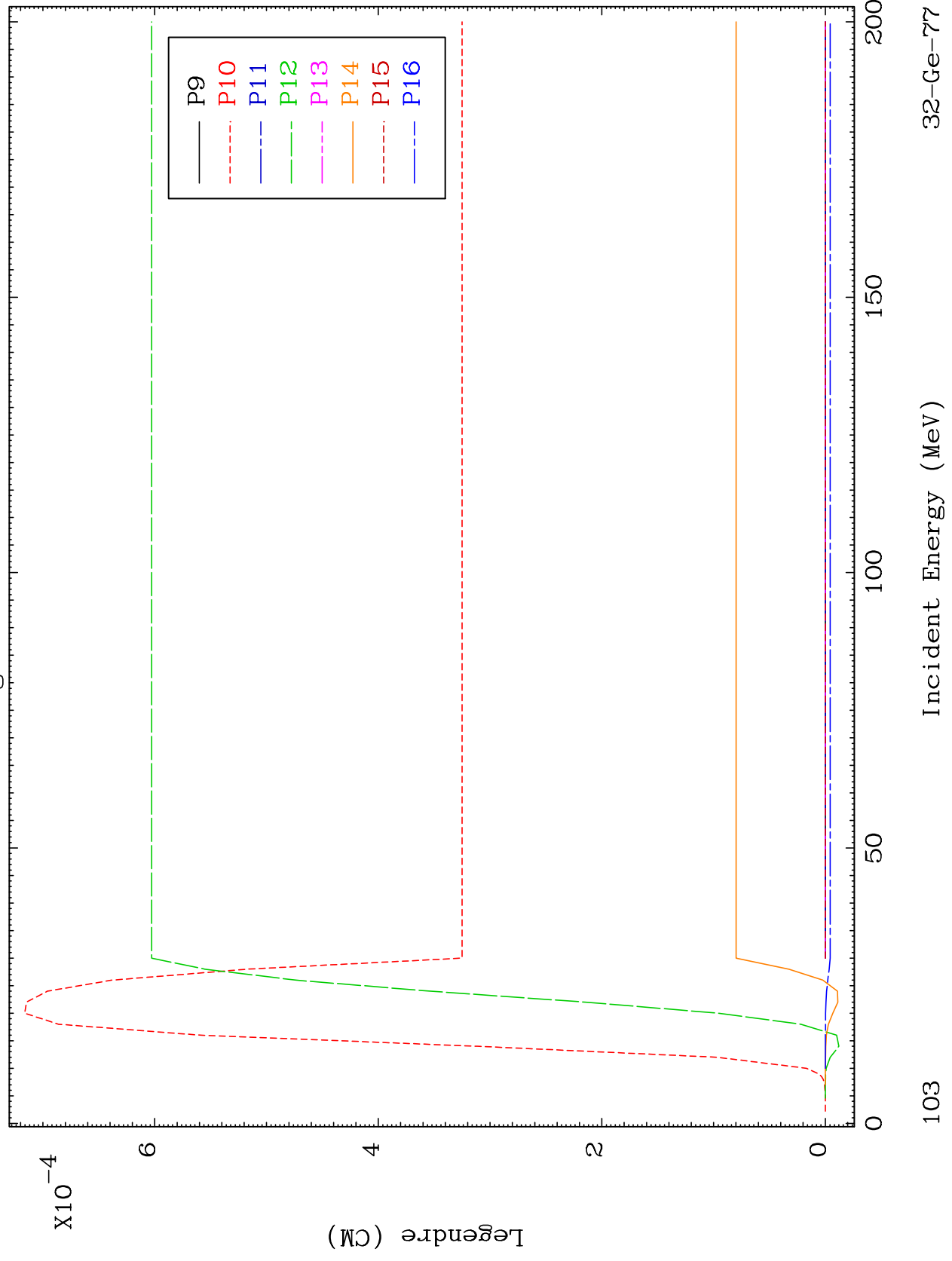
101



MAT 3246

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

32-Ge-77

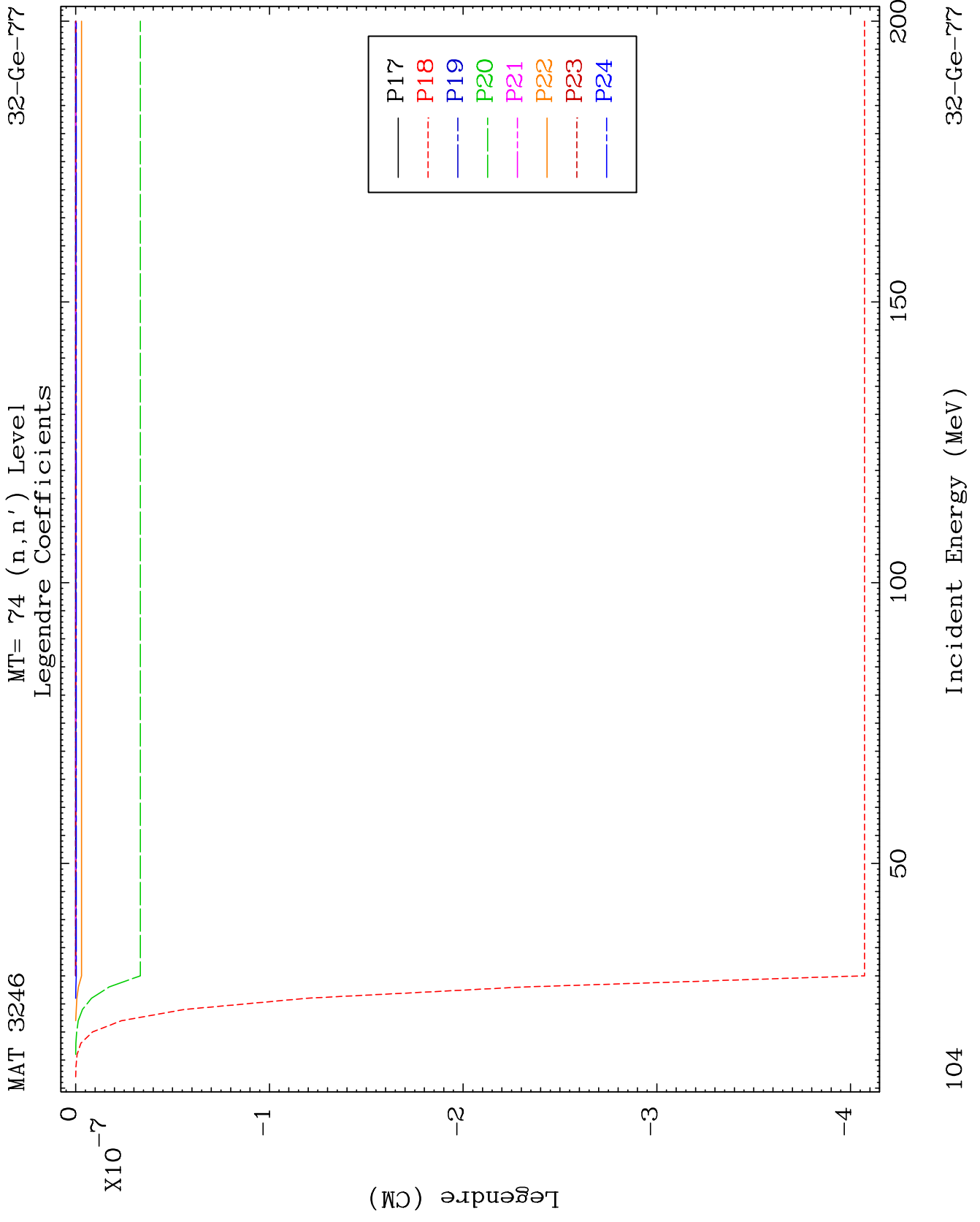


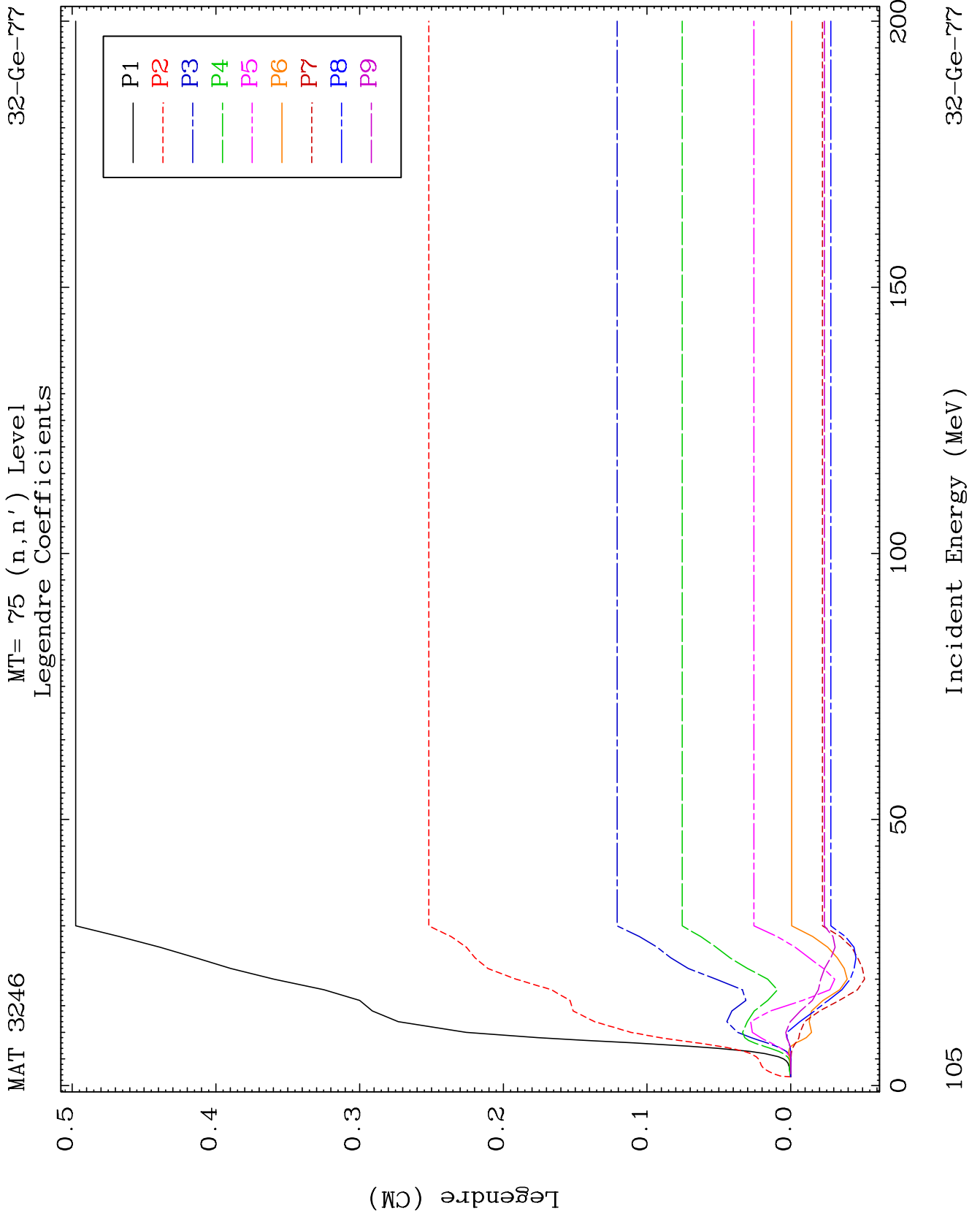
103

Incident Energy (MeV)

32-Ge-77





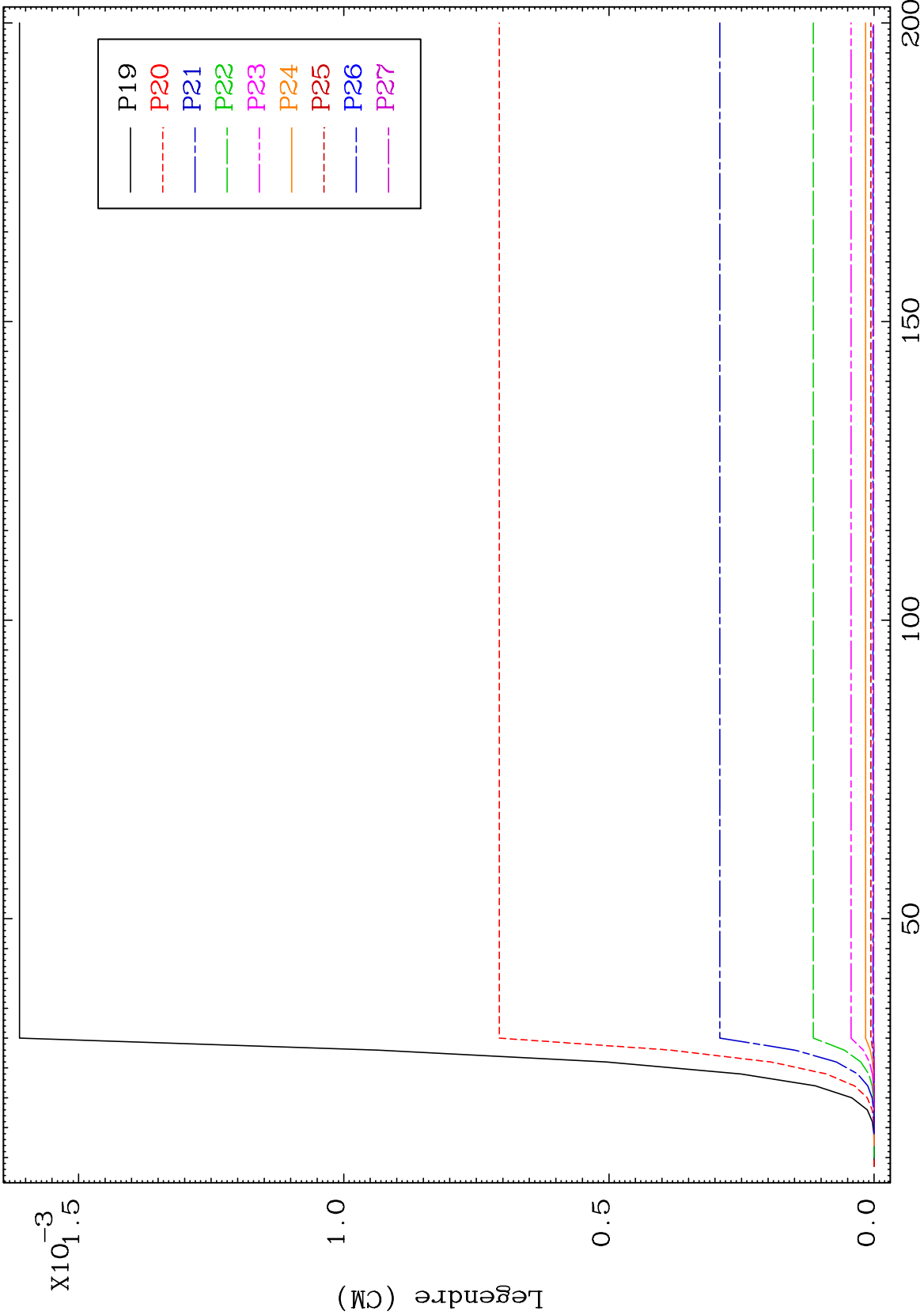




MAT 3246

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

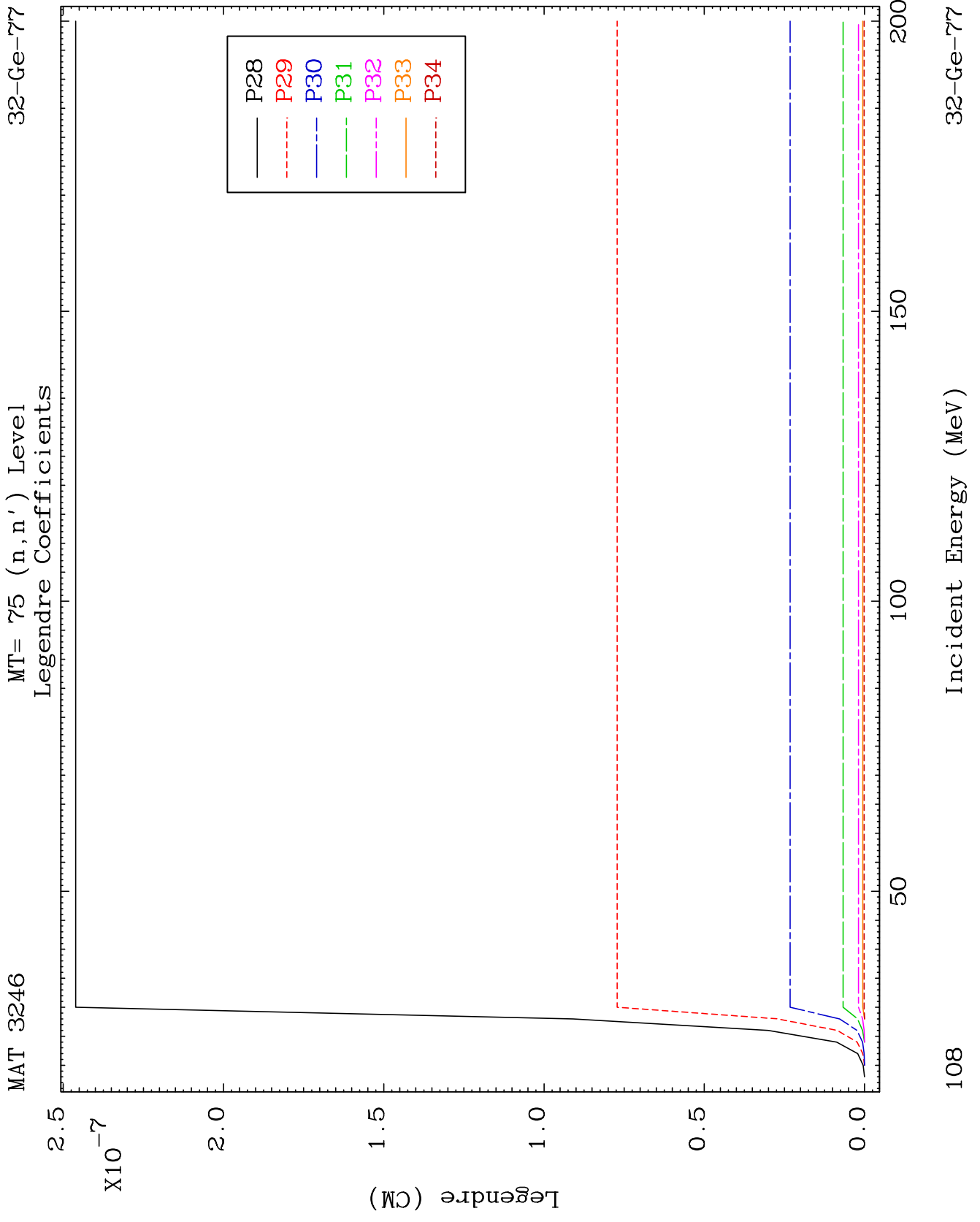
32-Ge-77

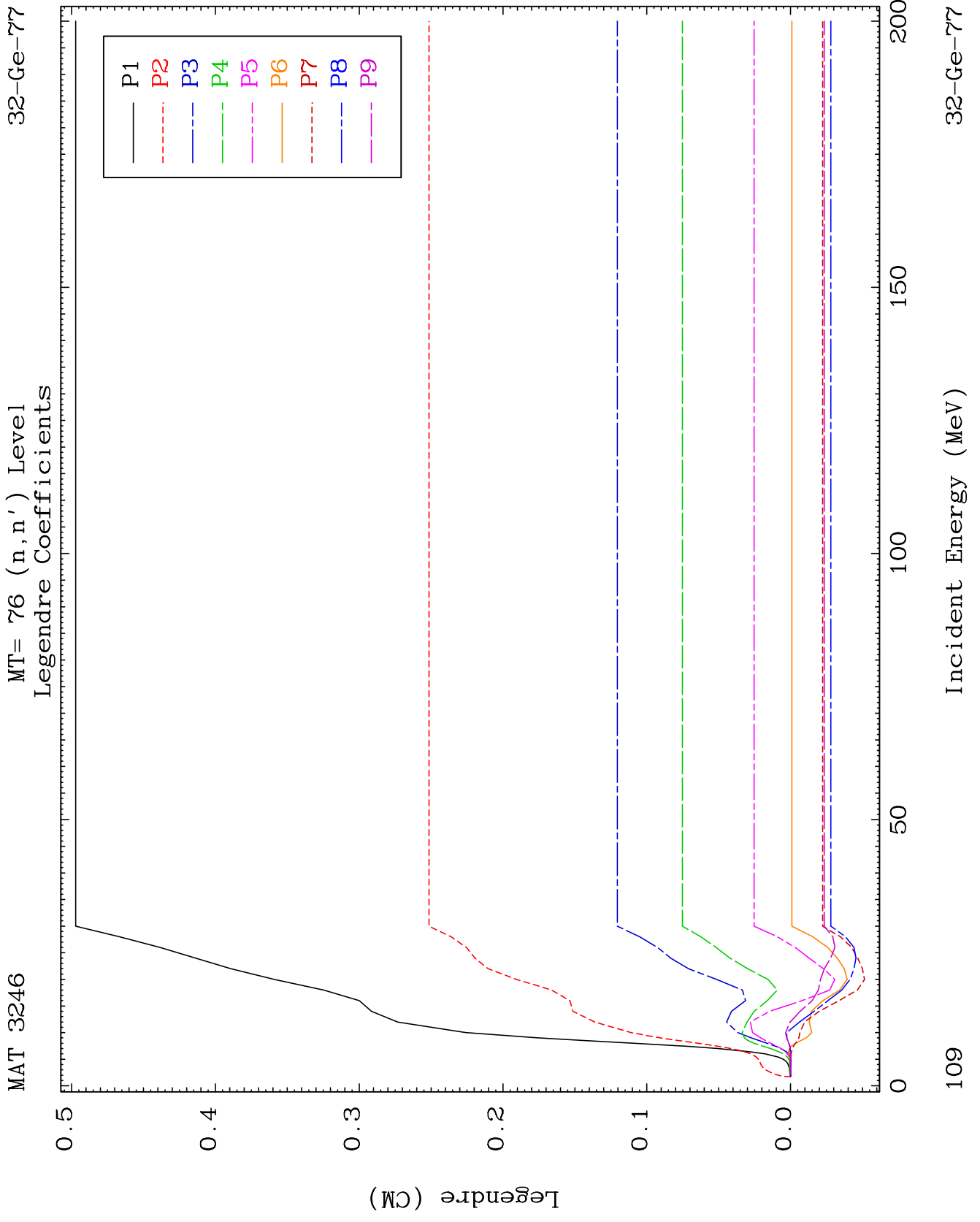


107

Incident Energy (MeV)

32-Ge-77

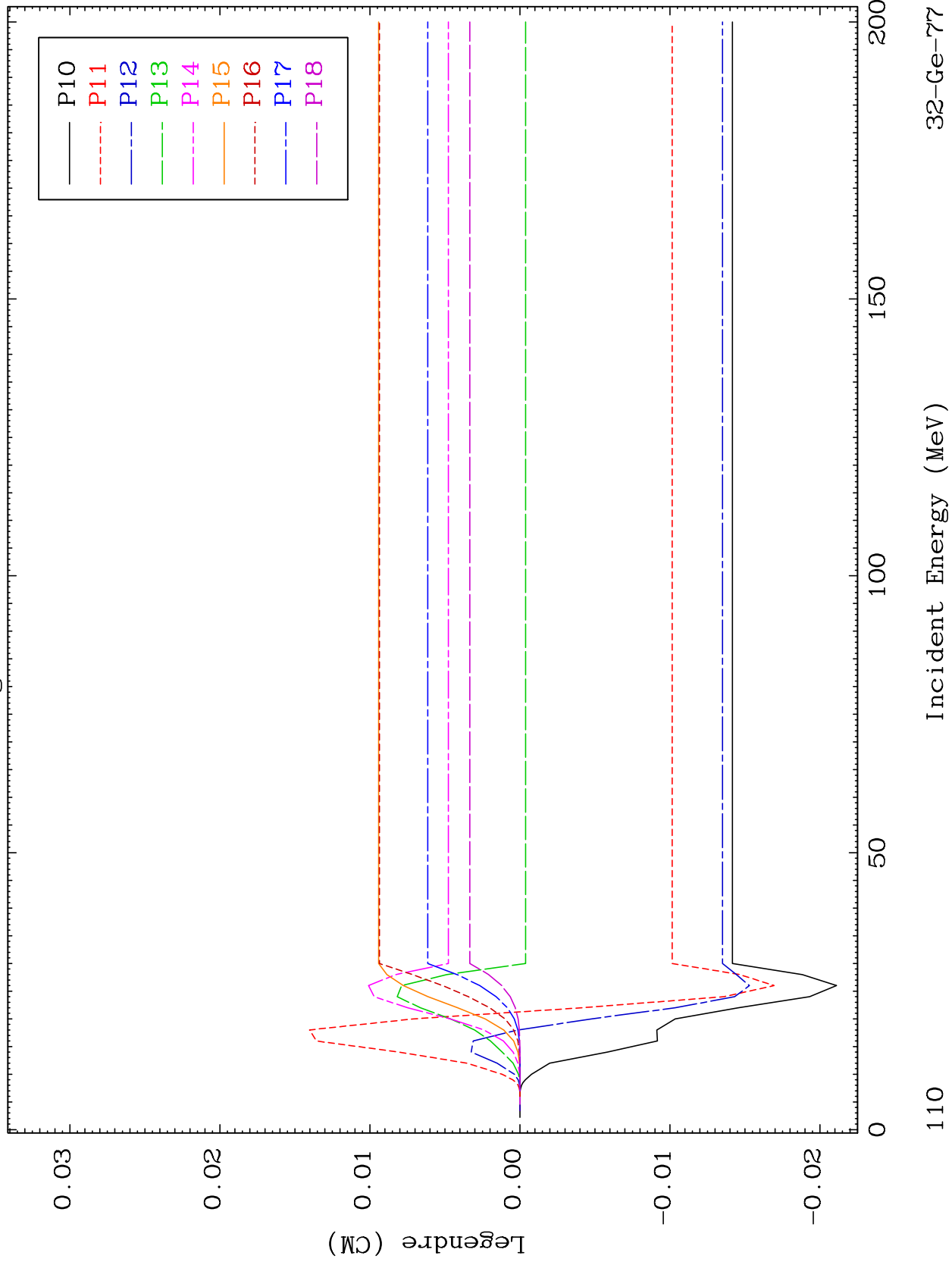




MAT 3246

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

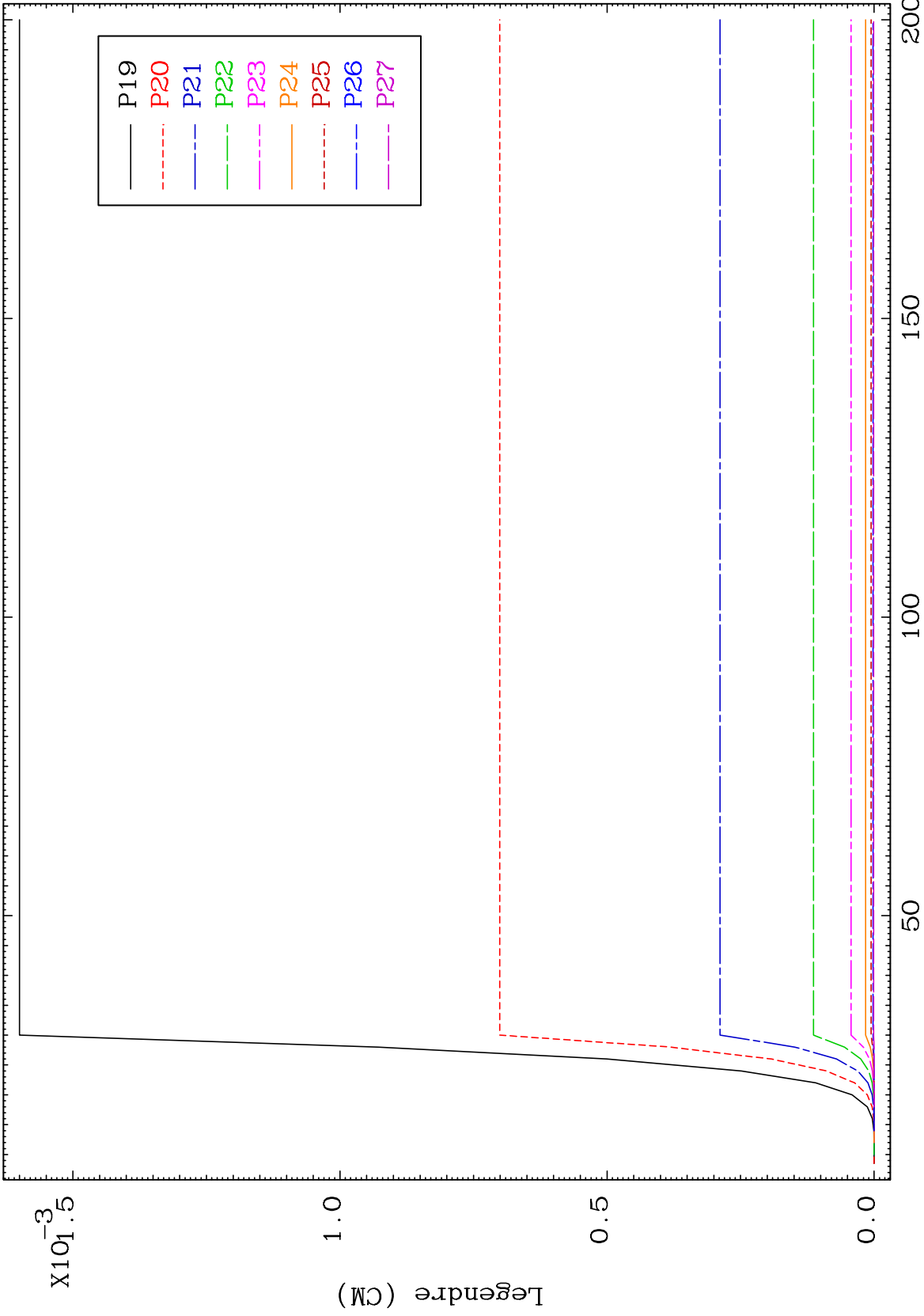
32-Ge-77



MAT 3246

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

32-Ge-77



111

Incident Energy (MeV)

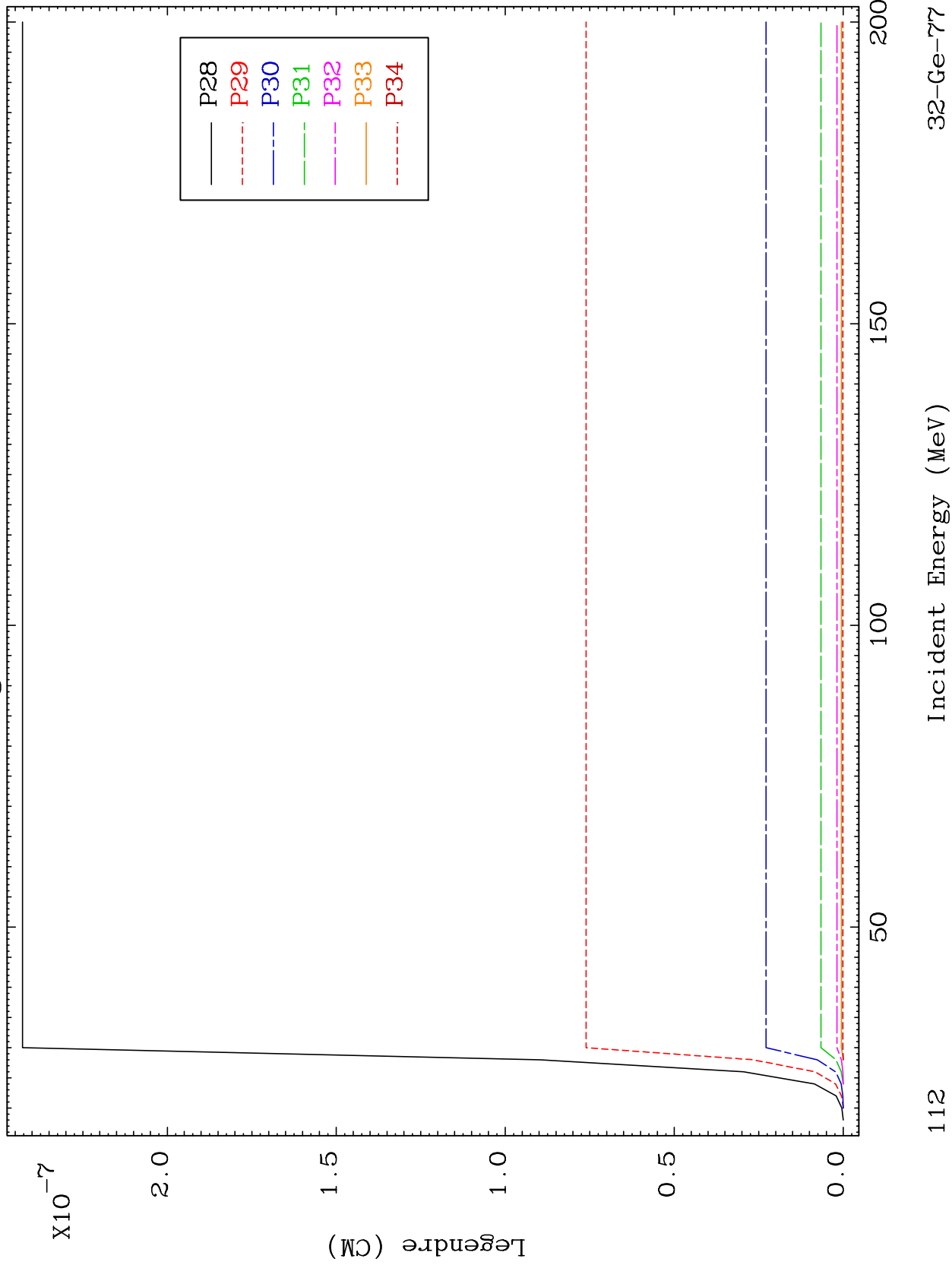
32-Ge-77



MAT 3246

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

32-Ge-77



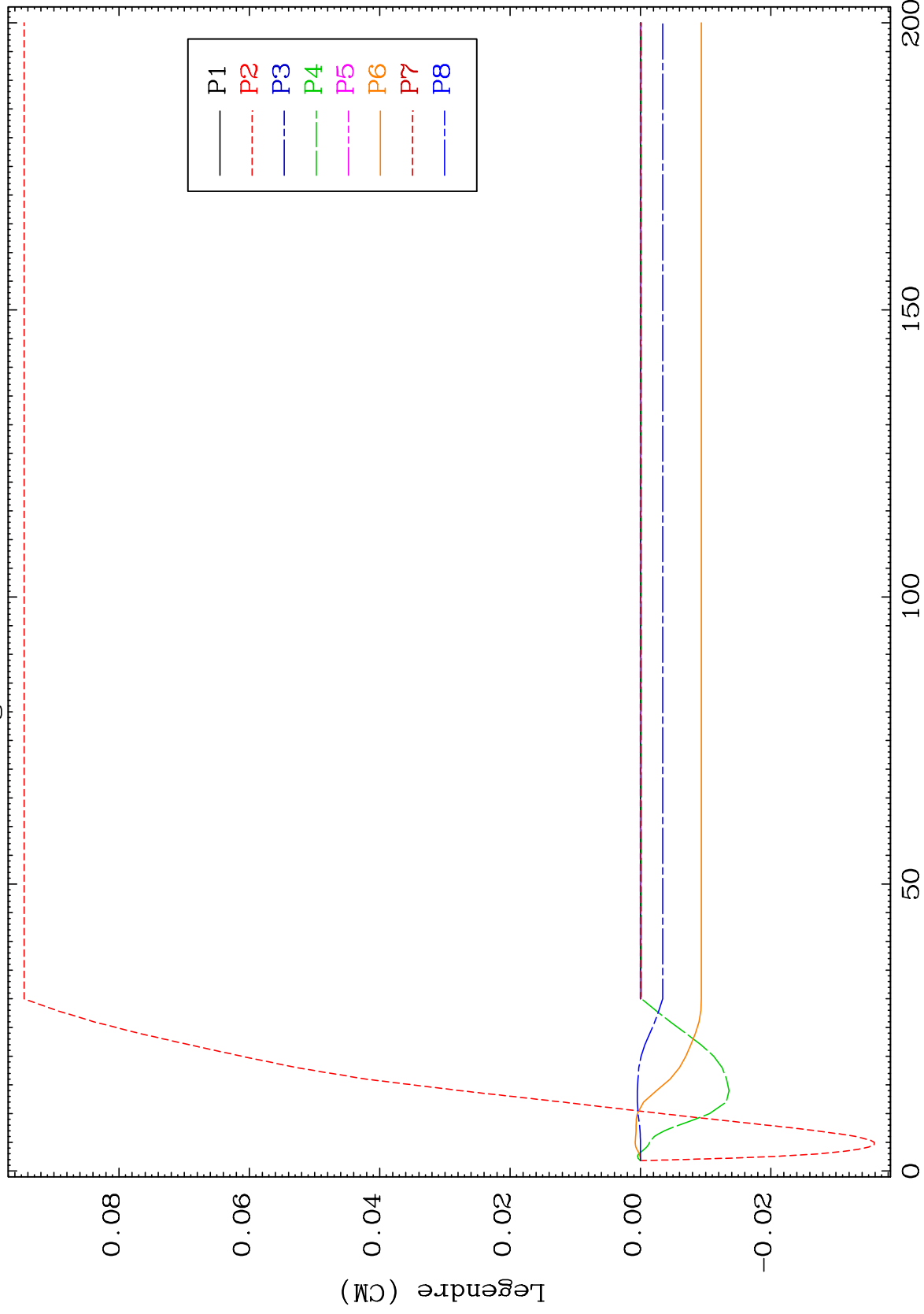
112

32-Ge-77

MAT 3246

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

32-Ge-77



113

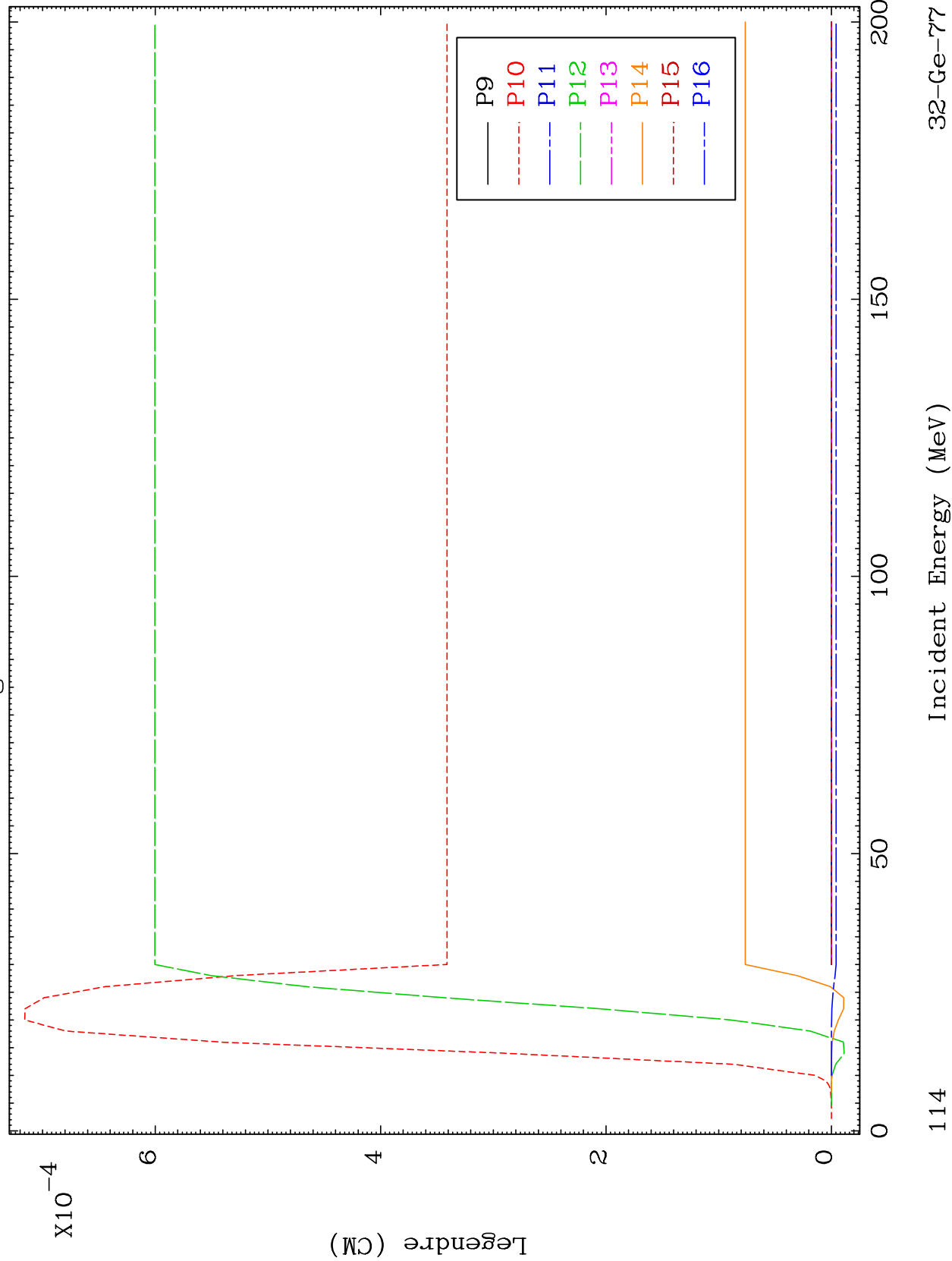
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

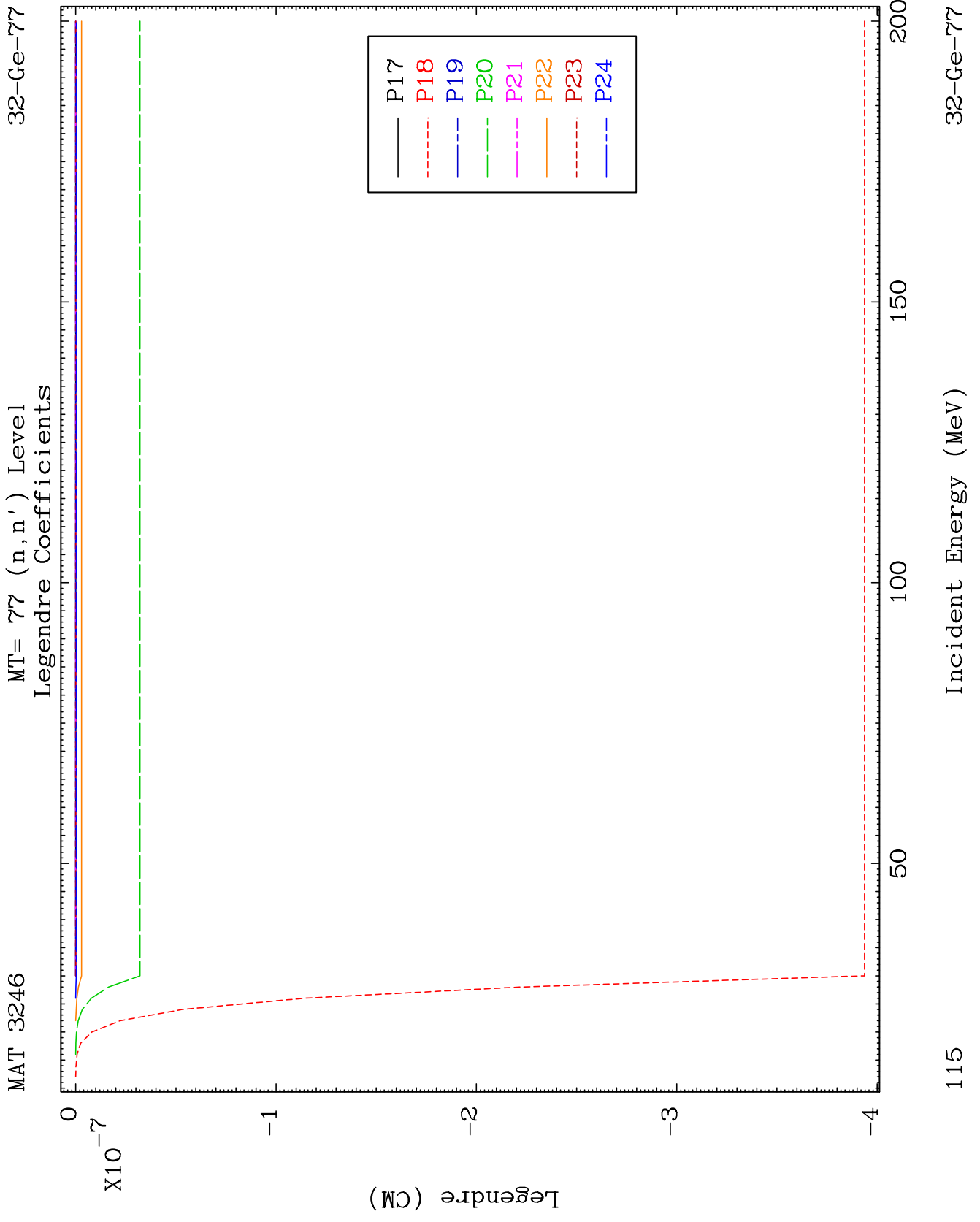
32-Ge-77



114

Incident Energy (MeV)

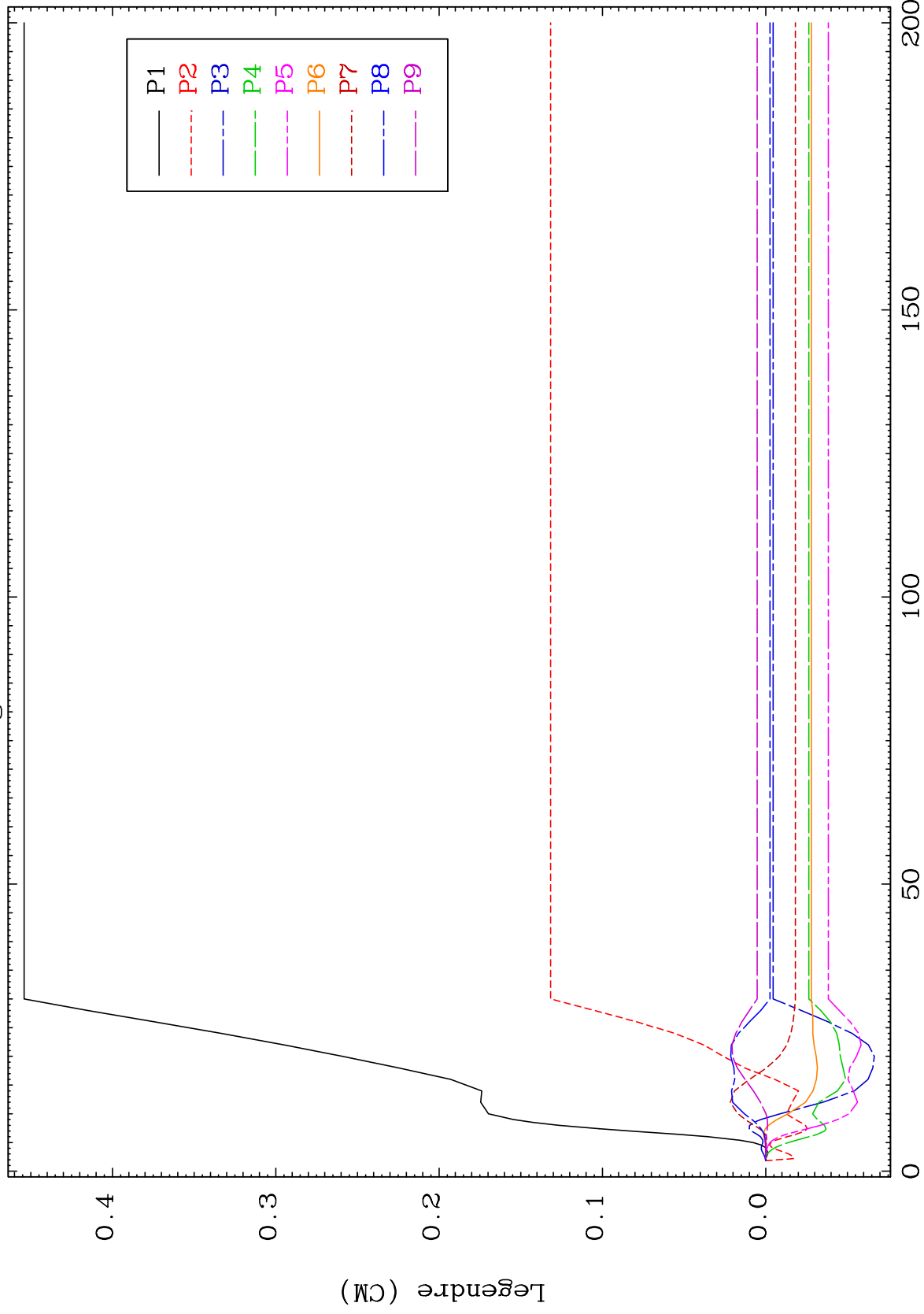
32-Ge-77



MAT 3246

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

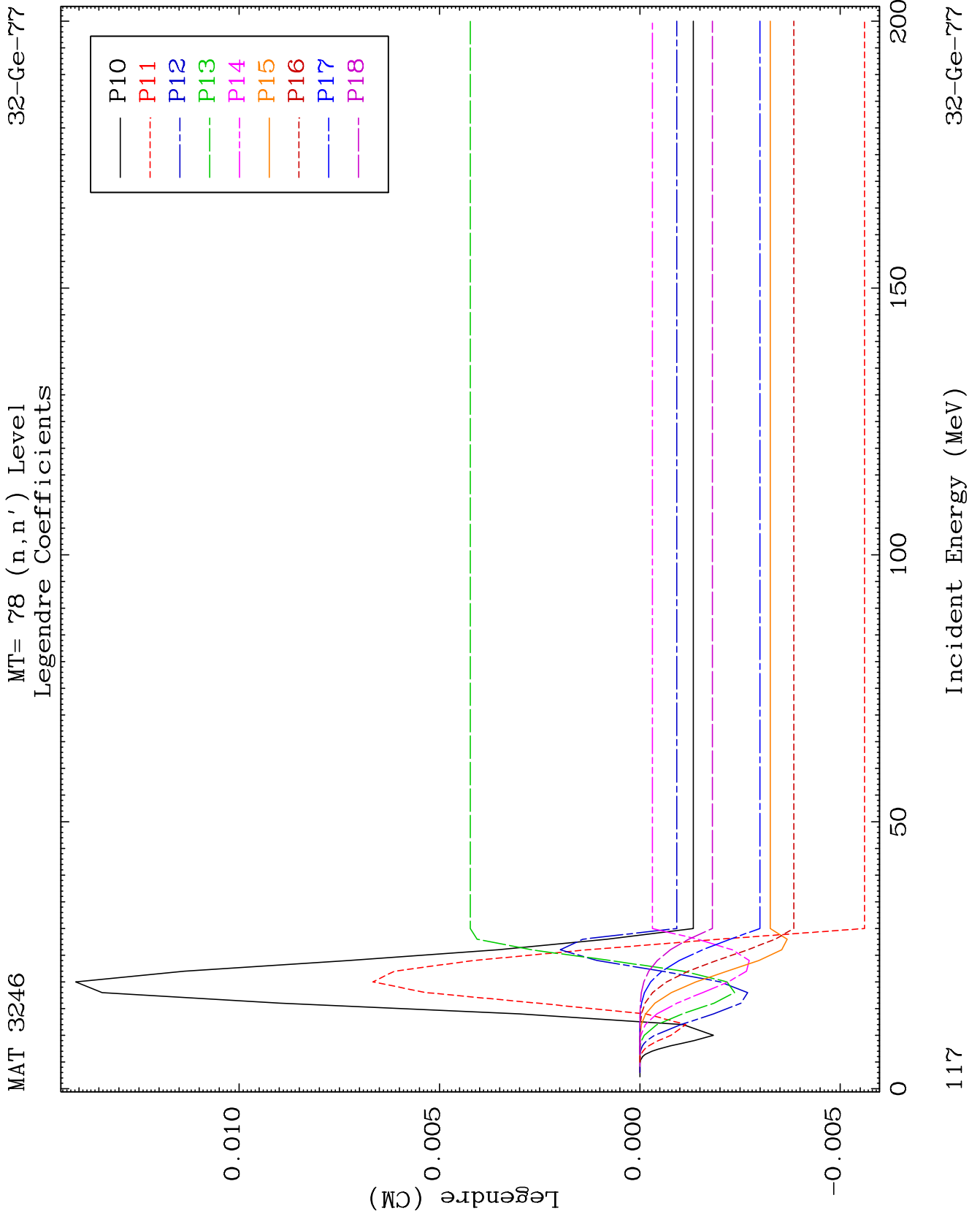
32-Ge-77

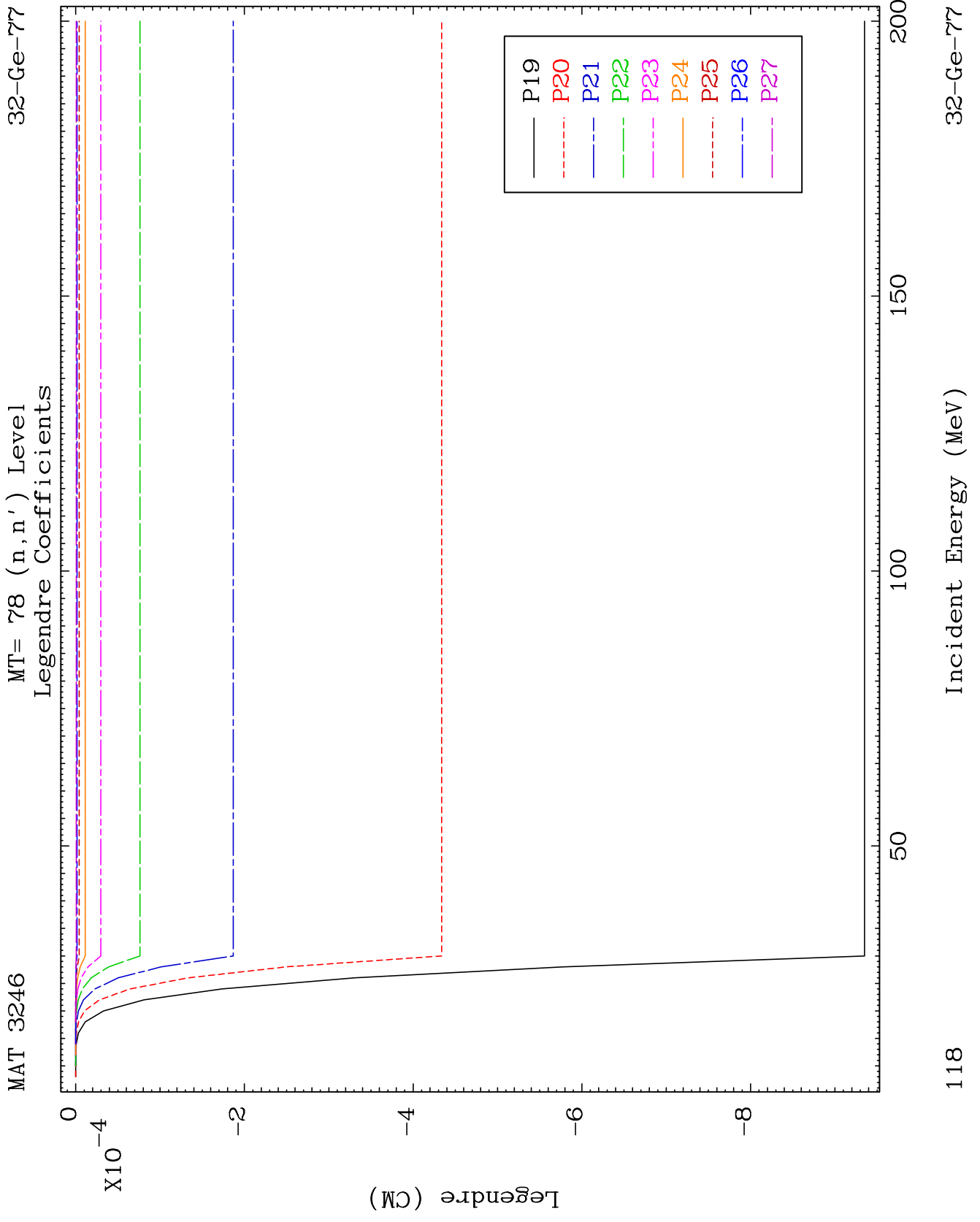


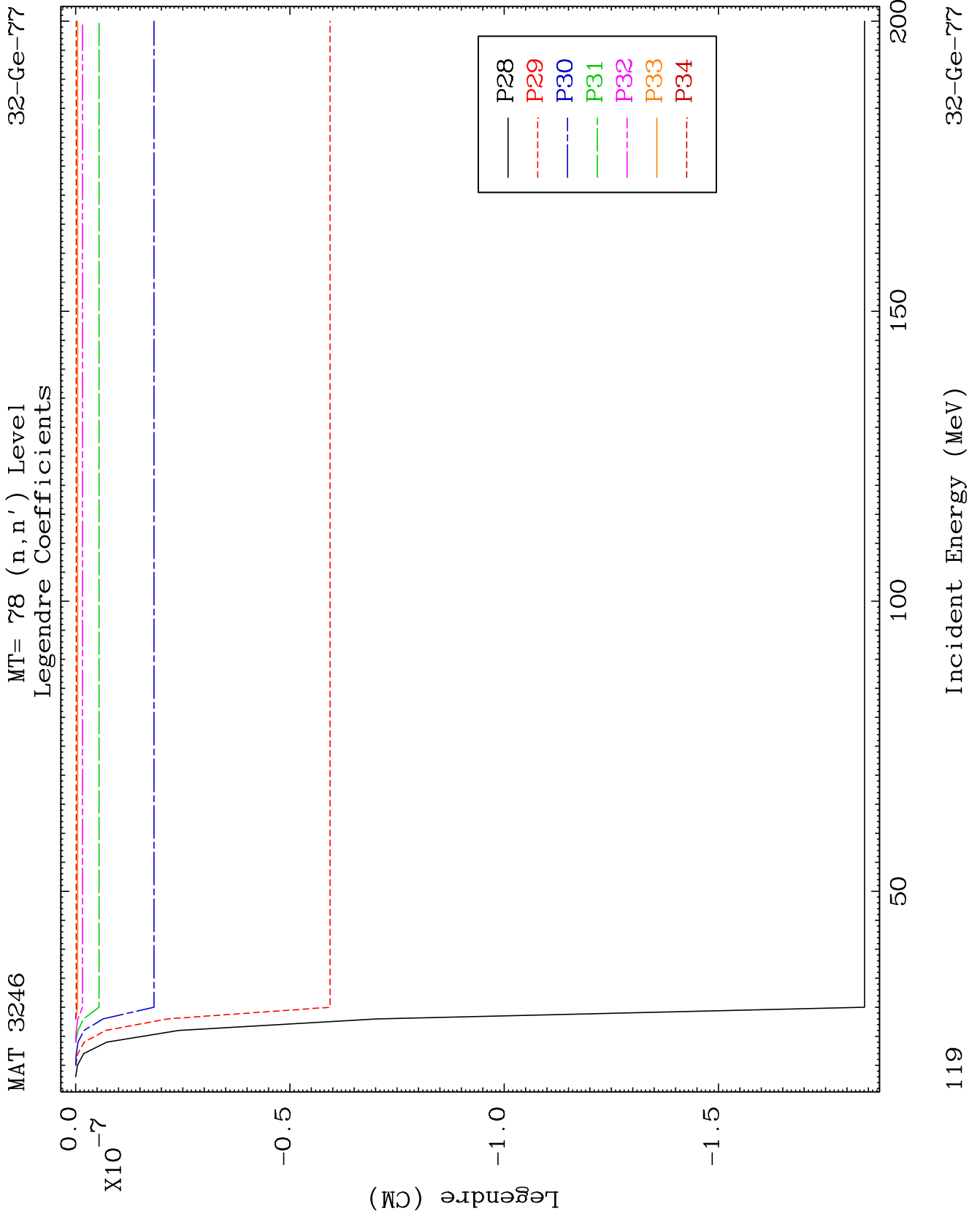
116

Incident Energy (MeV)

32-Ge-77







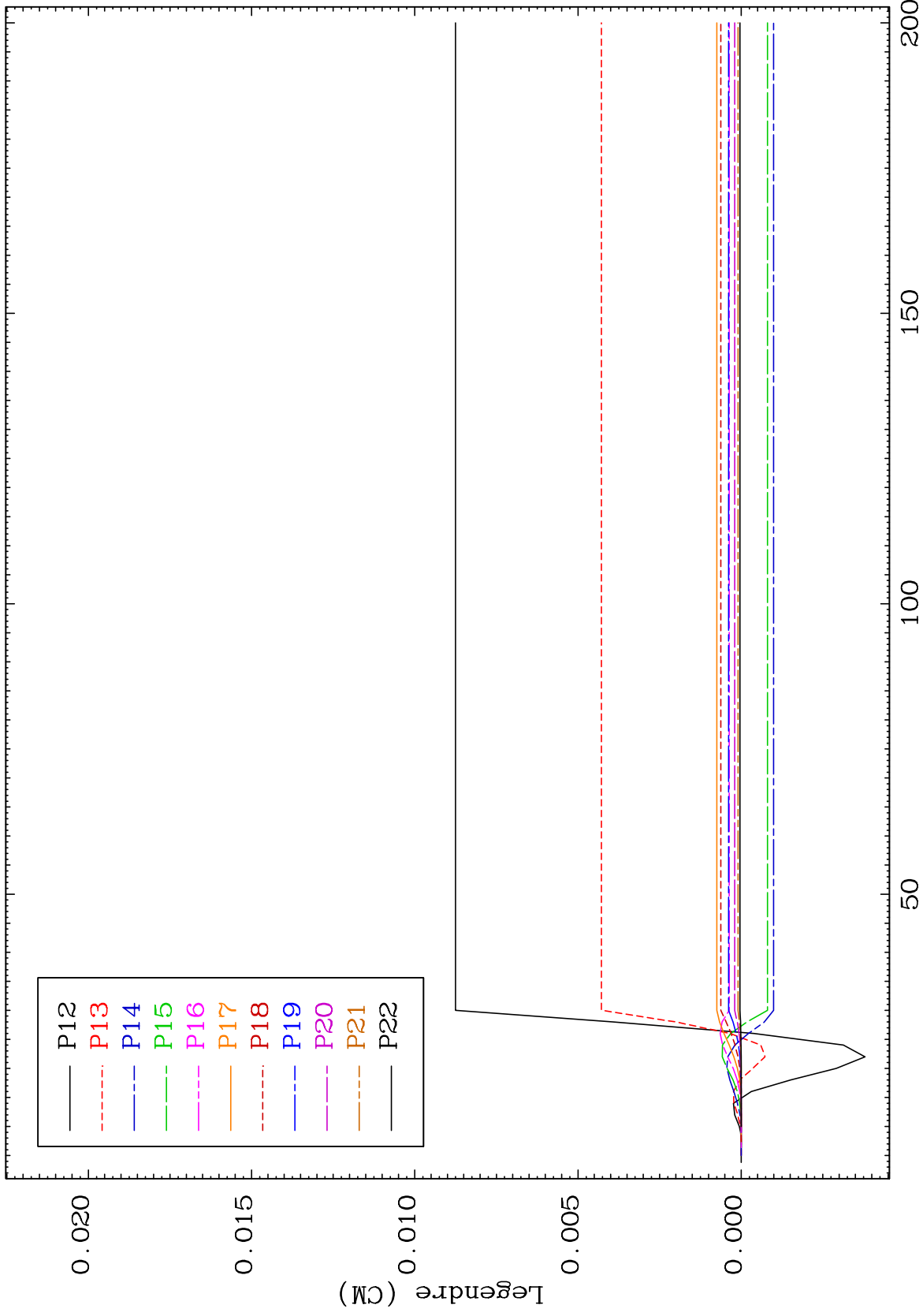




MAT 3246

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

32-Ge-77



121

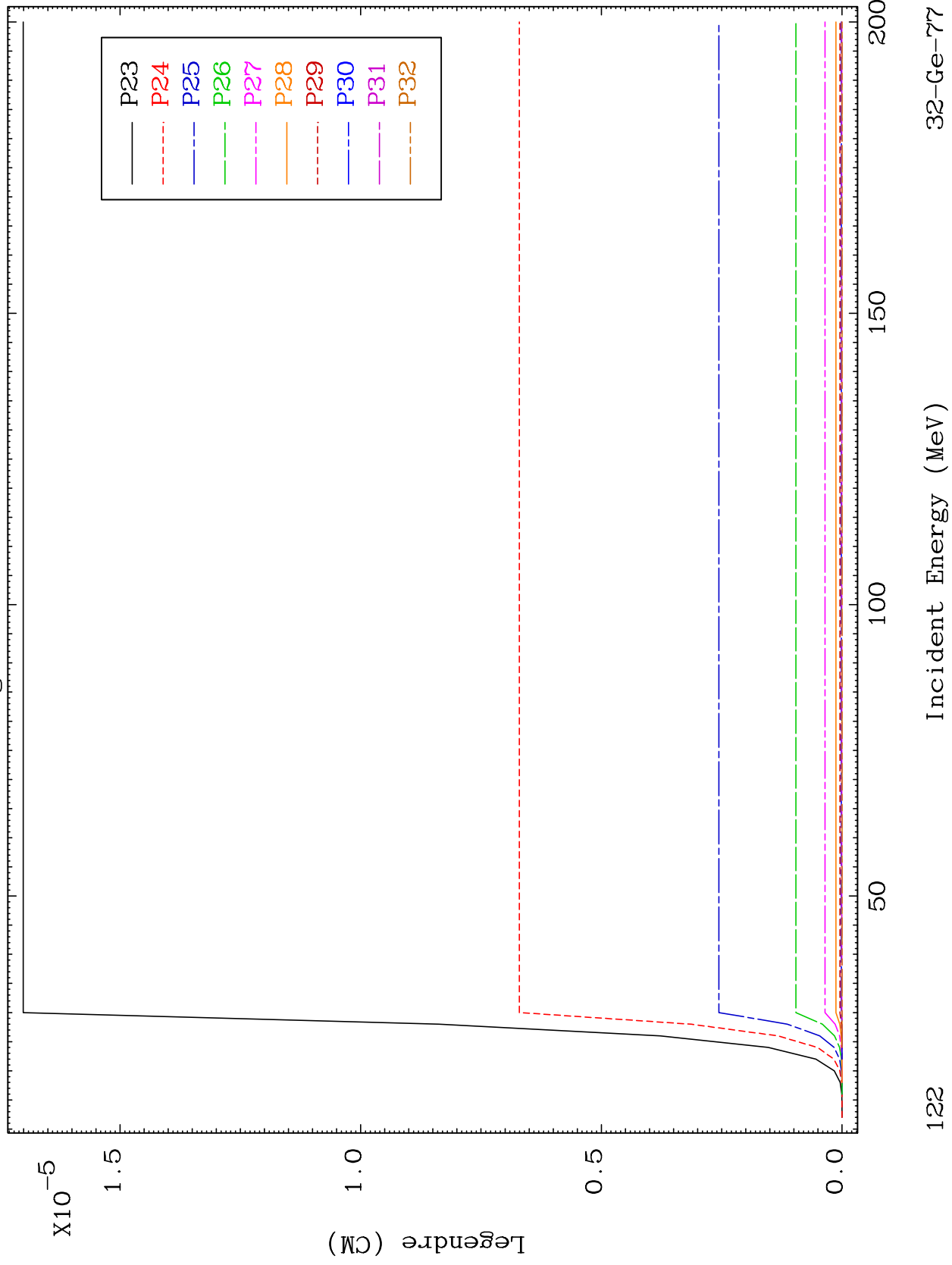
Incident Energy (MeV)

32-Ge-77

MAT 3246

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

32-Ge-77



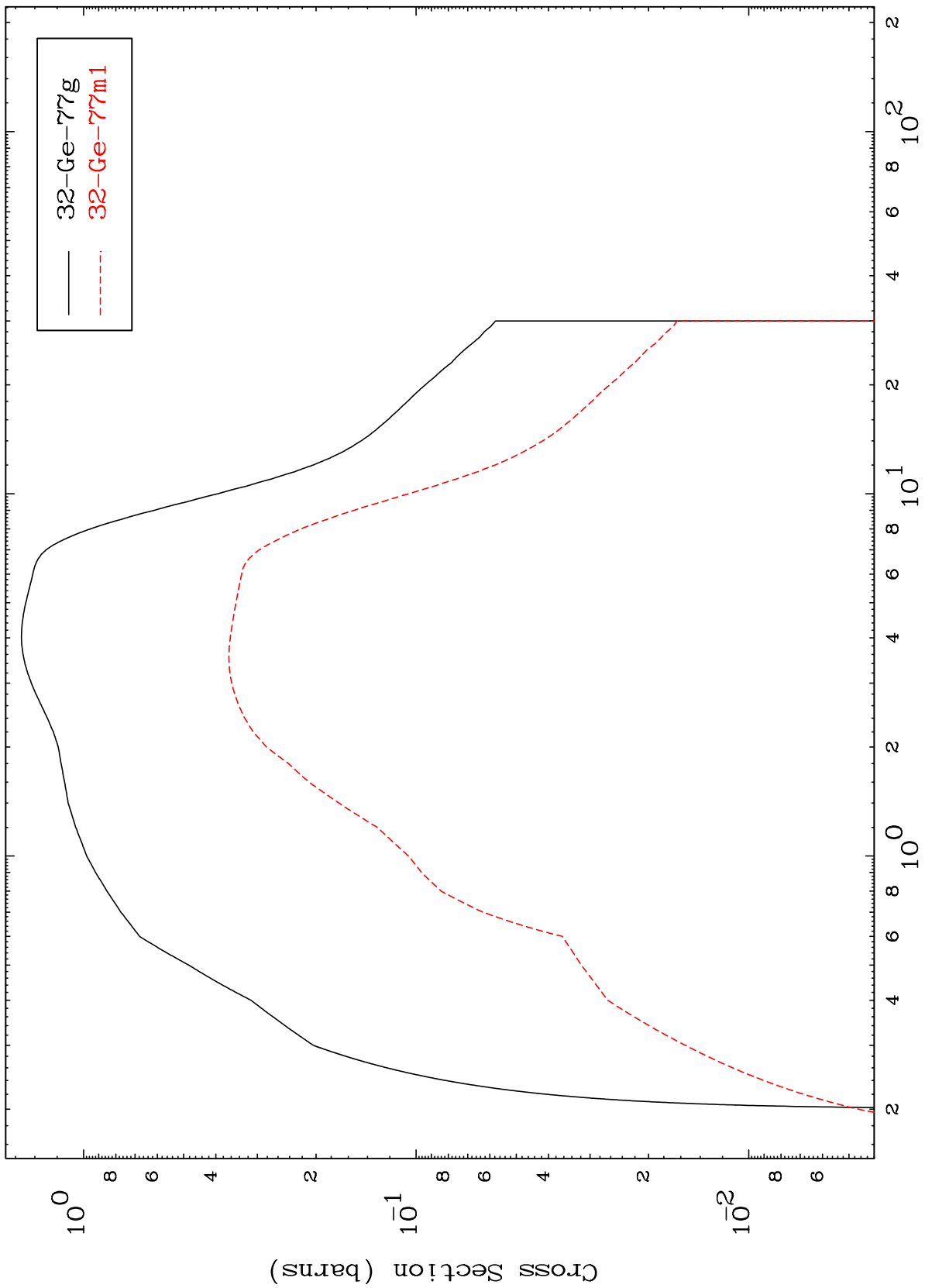
122

32-Ge-77

MAT 3246

<sup>32</sup>Ge-<sup>77</sup>

### Inelastic Radionuclide Production Cross Section



— 32-Ge-77g  
- - - 32-Ge-77m1

123

Incident Energy (MeV)

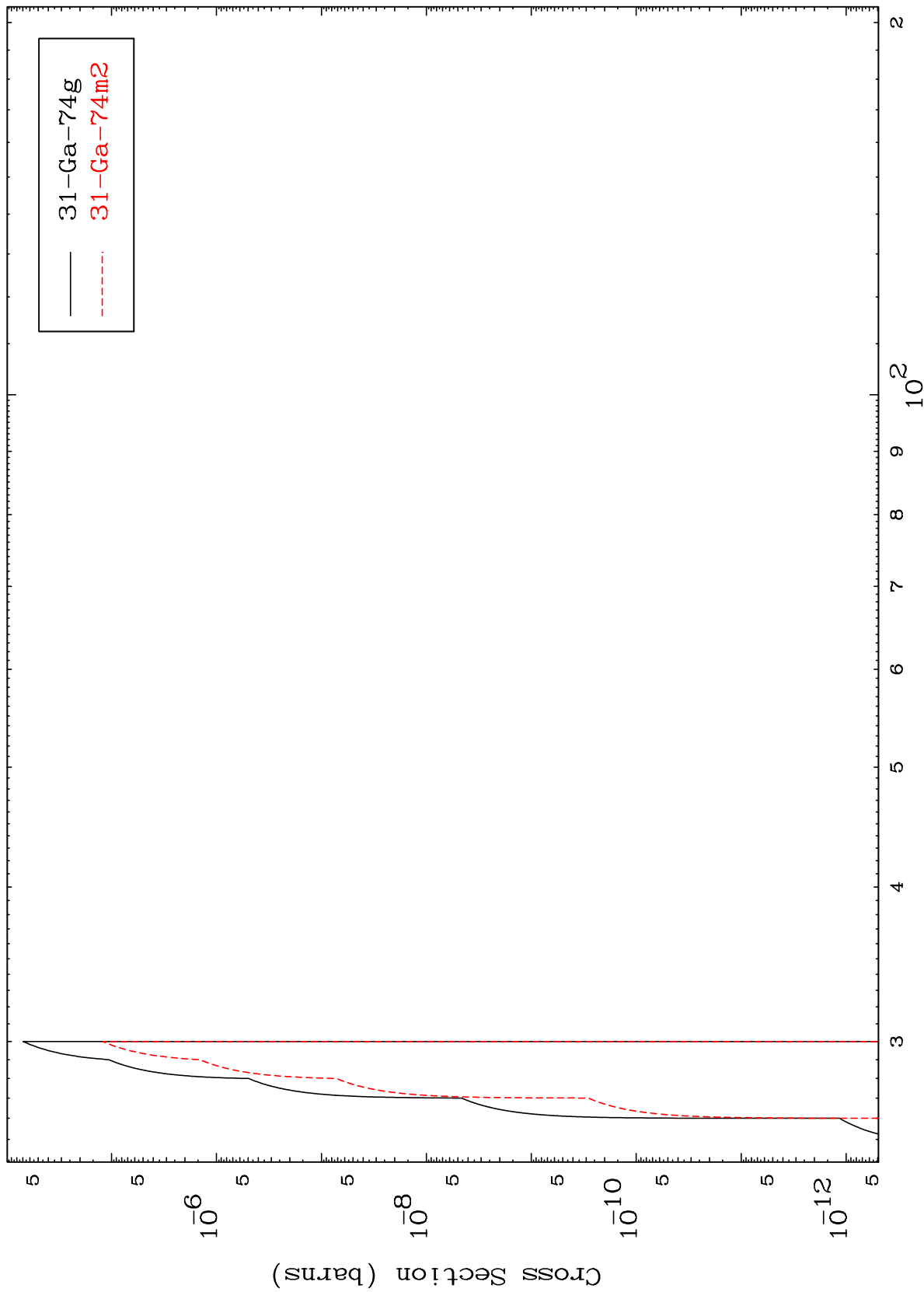
<sup>32</sup>Ge-<sup>77</sup>

MAT 3246

(n,2n) d

32-Ge-77

Radionuclide Production Cross Section



124

Incident Energy (MeV)

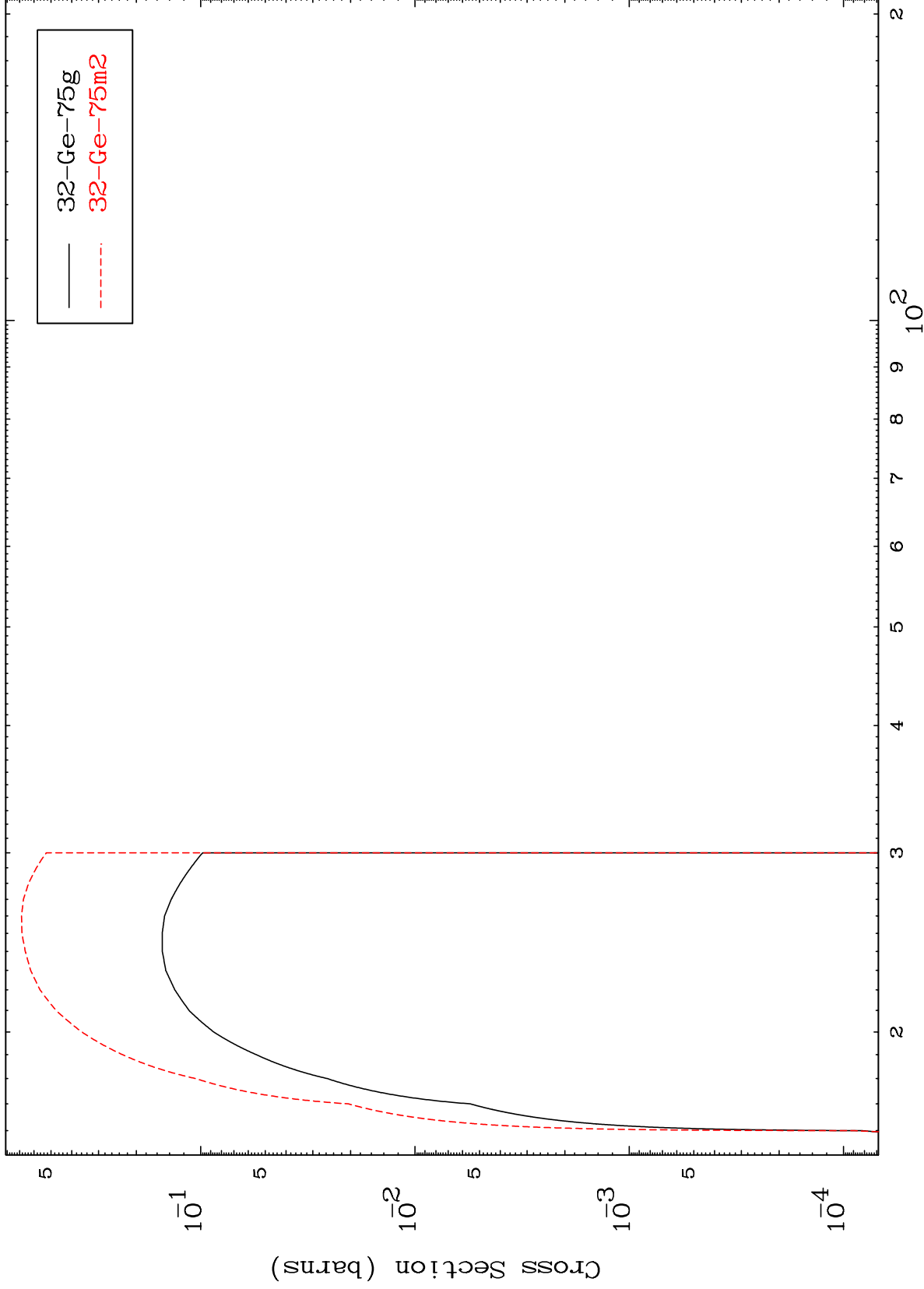
32-Ge-77

MAT 3246

(n,3n)

<sup>32</sup>Ge-77

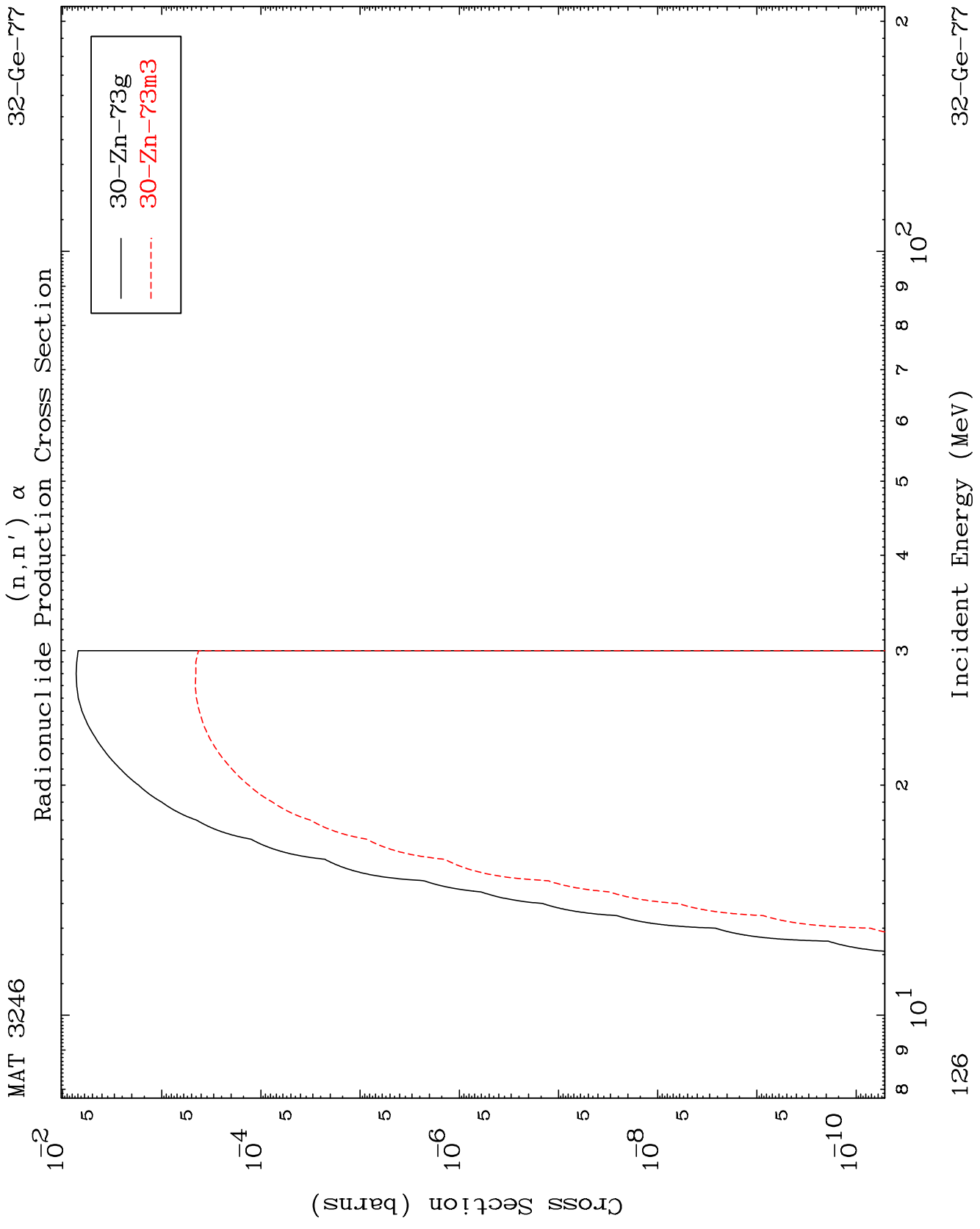
Radionuclide Production Cross Section



125

Incident Energy (MeV)

<sup>32</sup>Ge-77

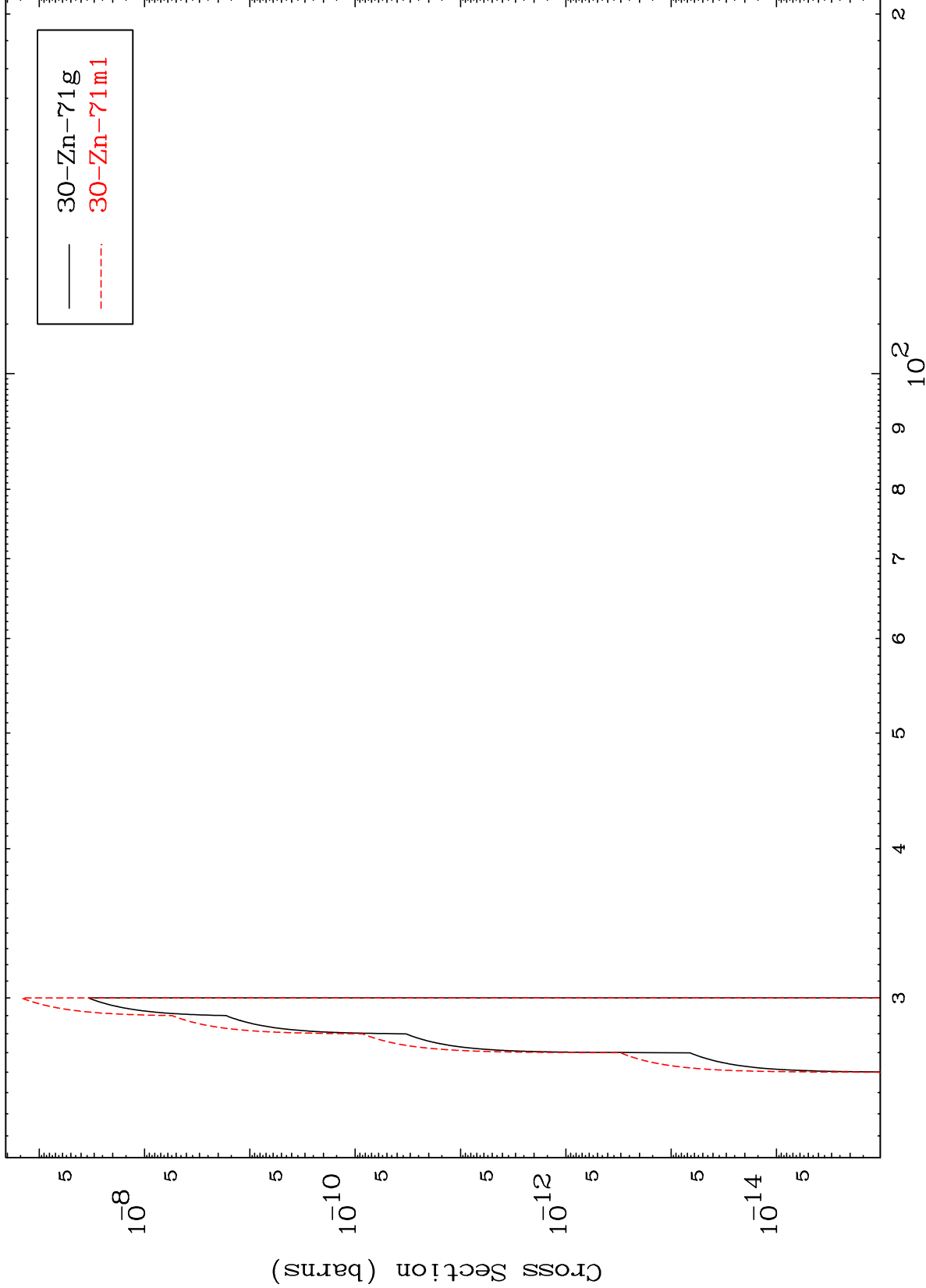


MAT 3246

(n,3n)  $\alpha$

32-Ge-77

Radionuclide Production Cross Section



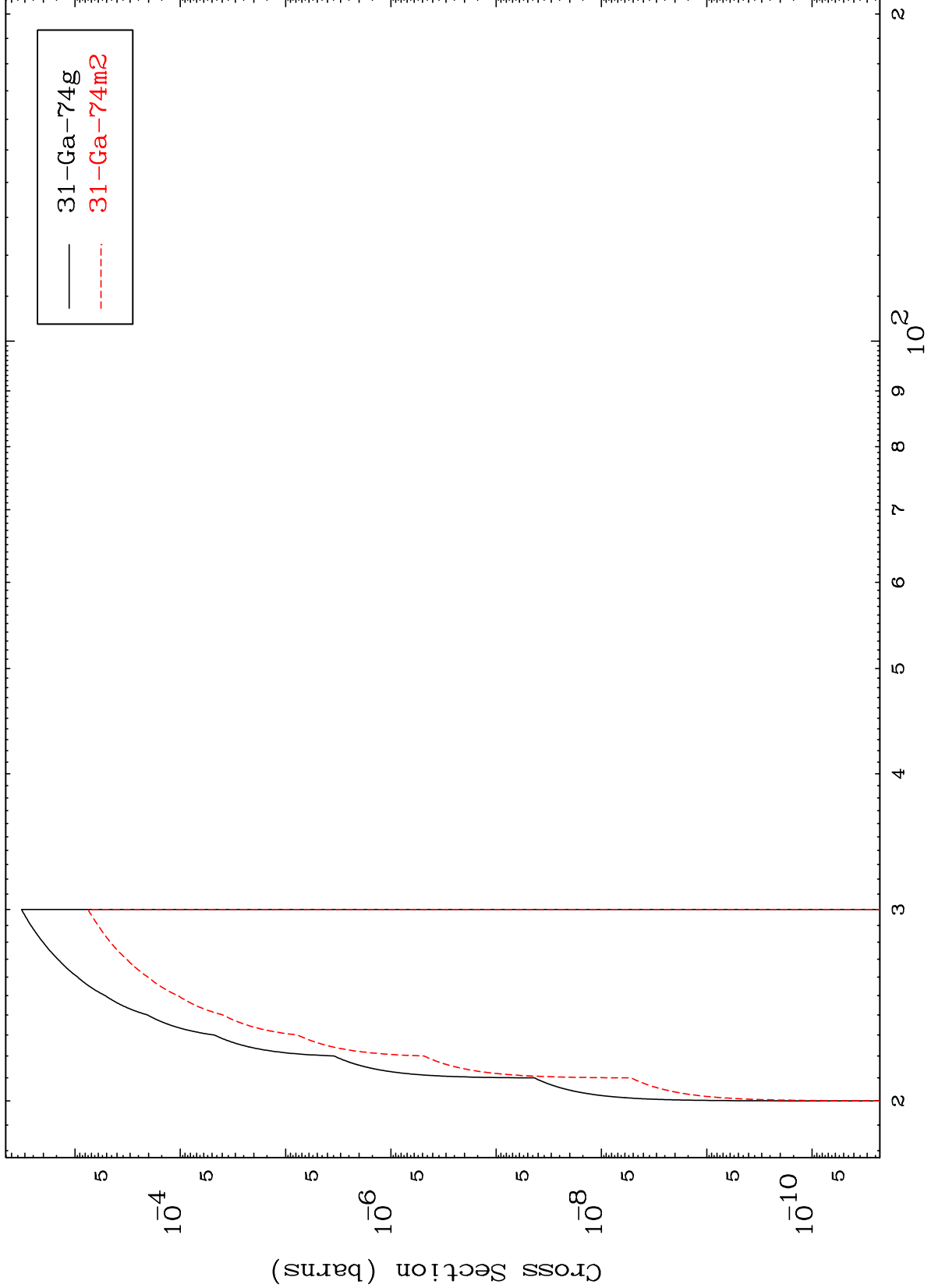
127

Incident Energy (MeV)

32-Ge-77



Radionuclide Production Cross Section



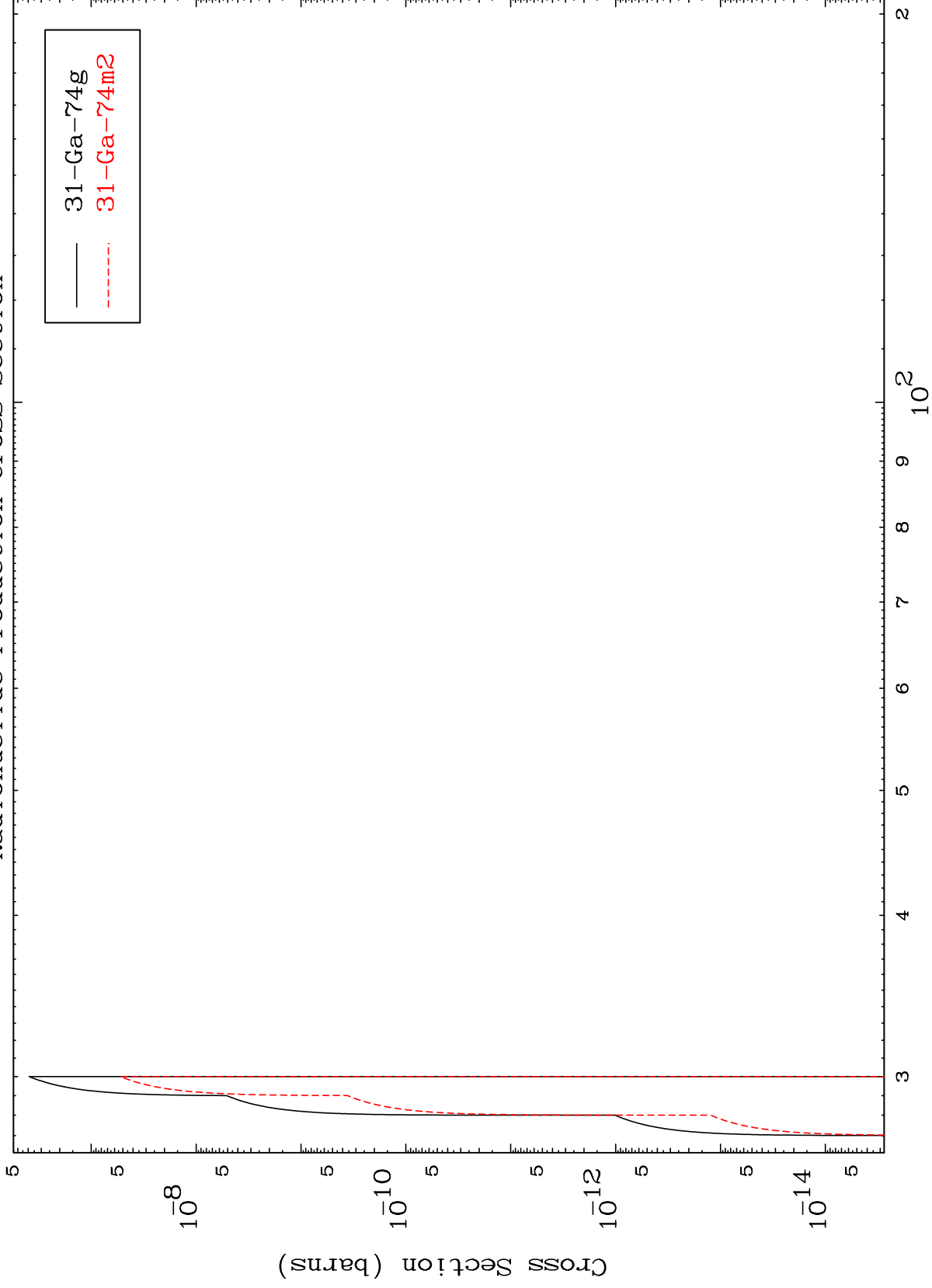
31-Ga-74g  
31-Ga-74m2

MAT 3246

(n,3n) p

<sup>32</sup>Ge-77

Radionuclide Production Cross Section



129

Incident Energy (MeV)

<sup>32</sup>Ge-77