

Program EVALPLOT  
(Version 2021-1)

by

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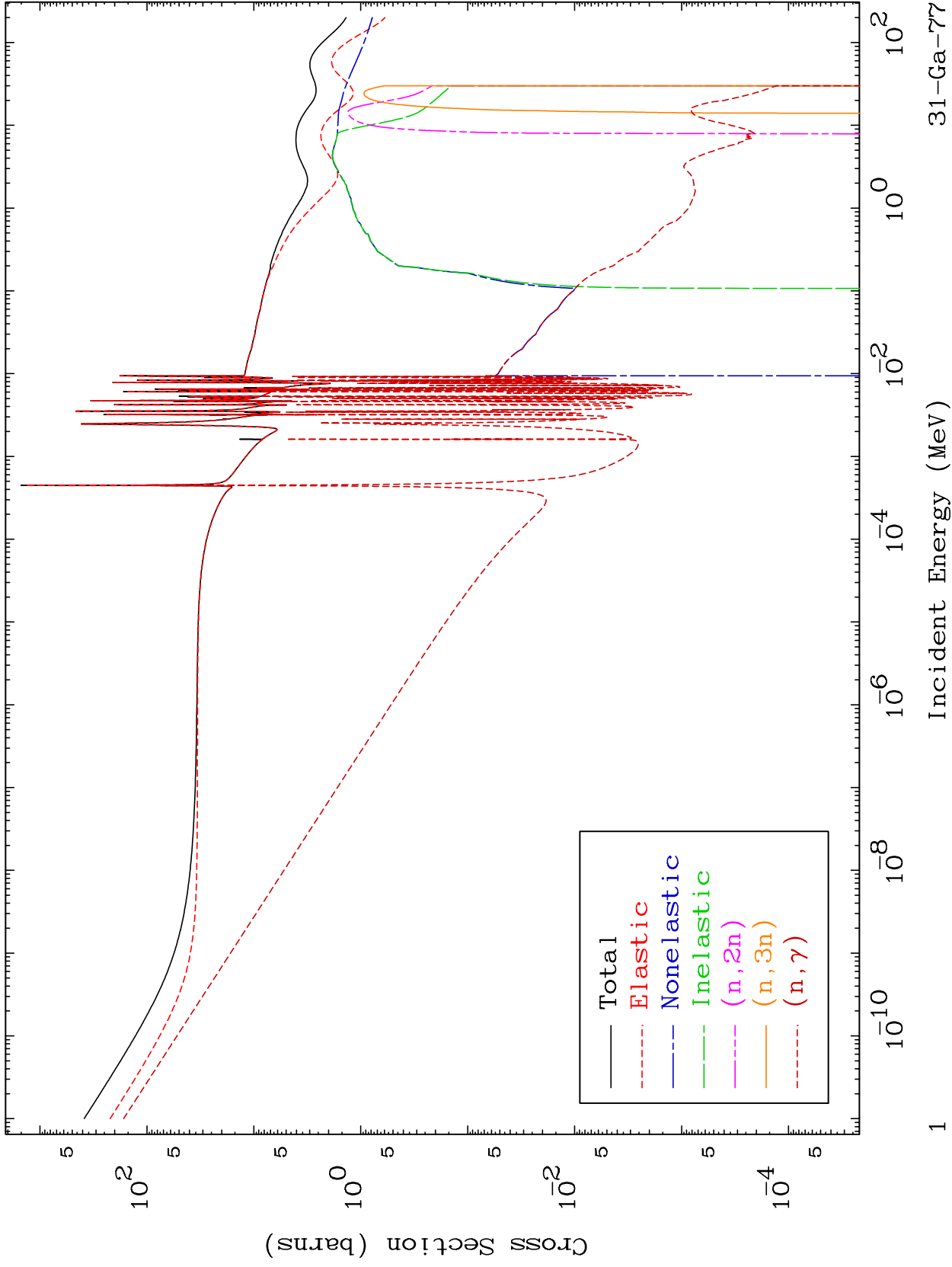
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3149

Neutron Major  
293 Kelvin Cross Sections

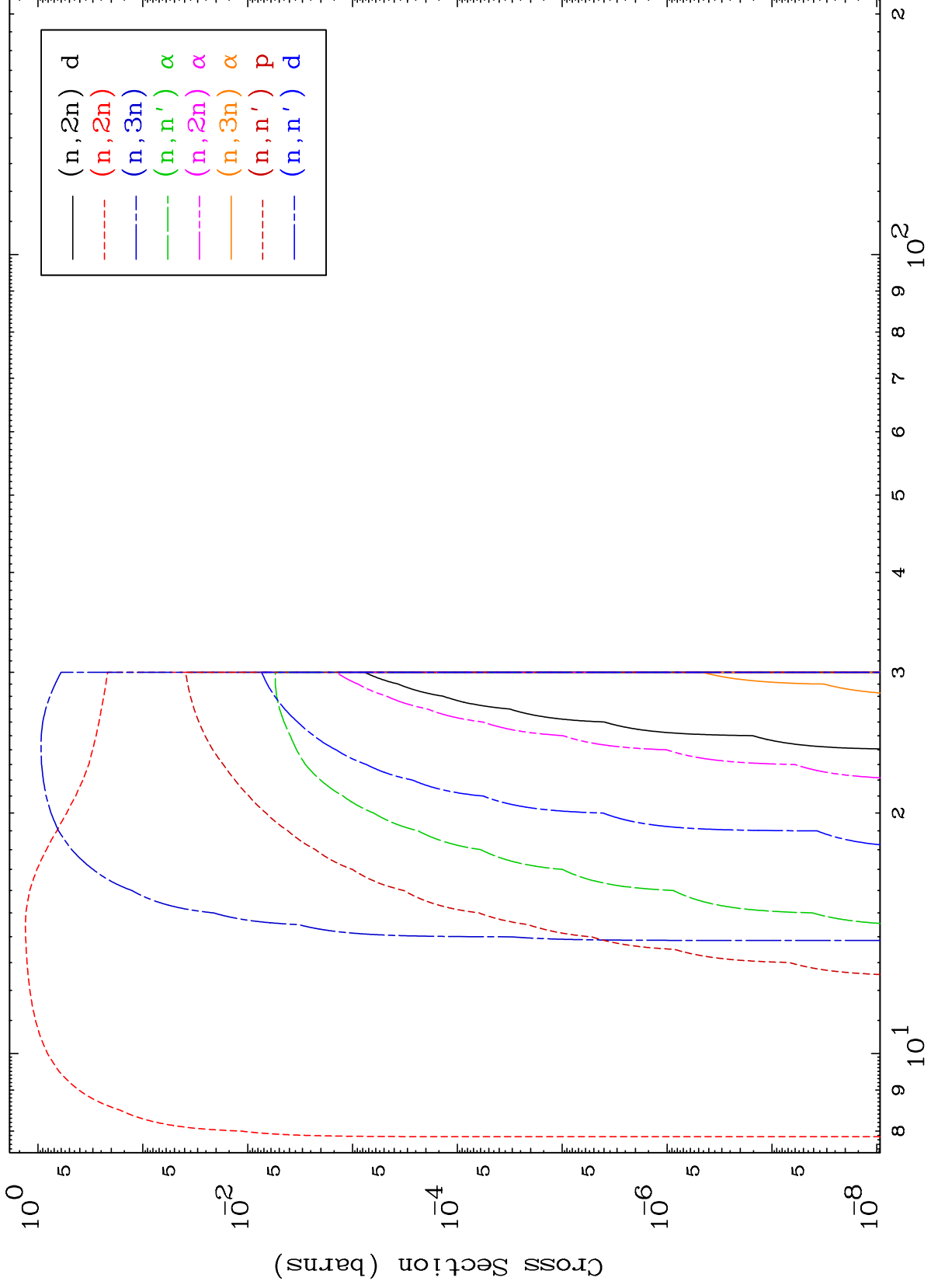
31-Ga-77



MAT 3149

Neutron Absorption  
293 Kelvin Cross Sections

31-Ga-77



2

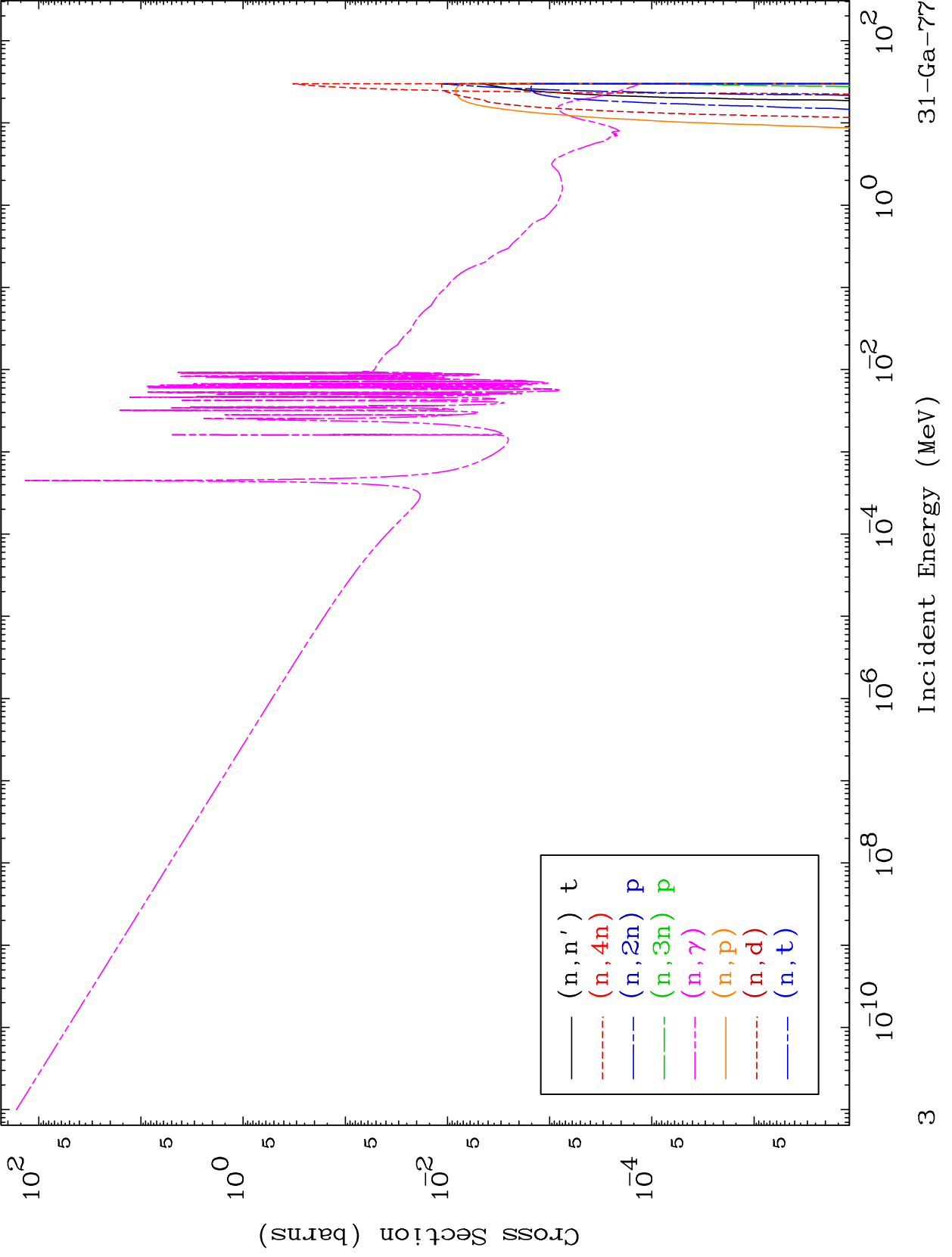
Incident Energy (MeV)

31-Ga-77

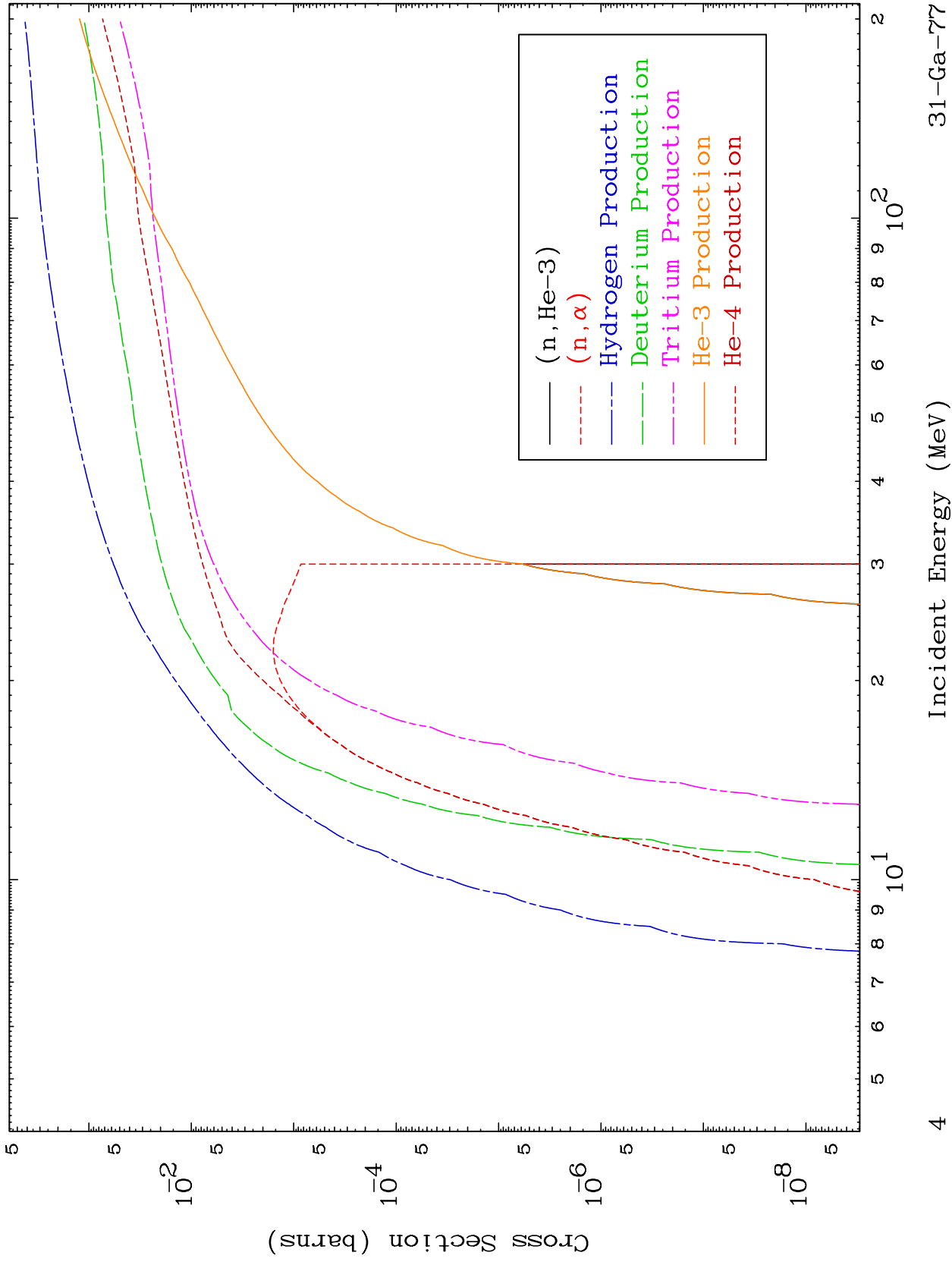
MAT 3149

Neutron Absorption  
293 Kelvin Cross Sections

31-Ga-77



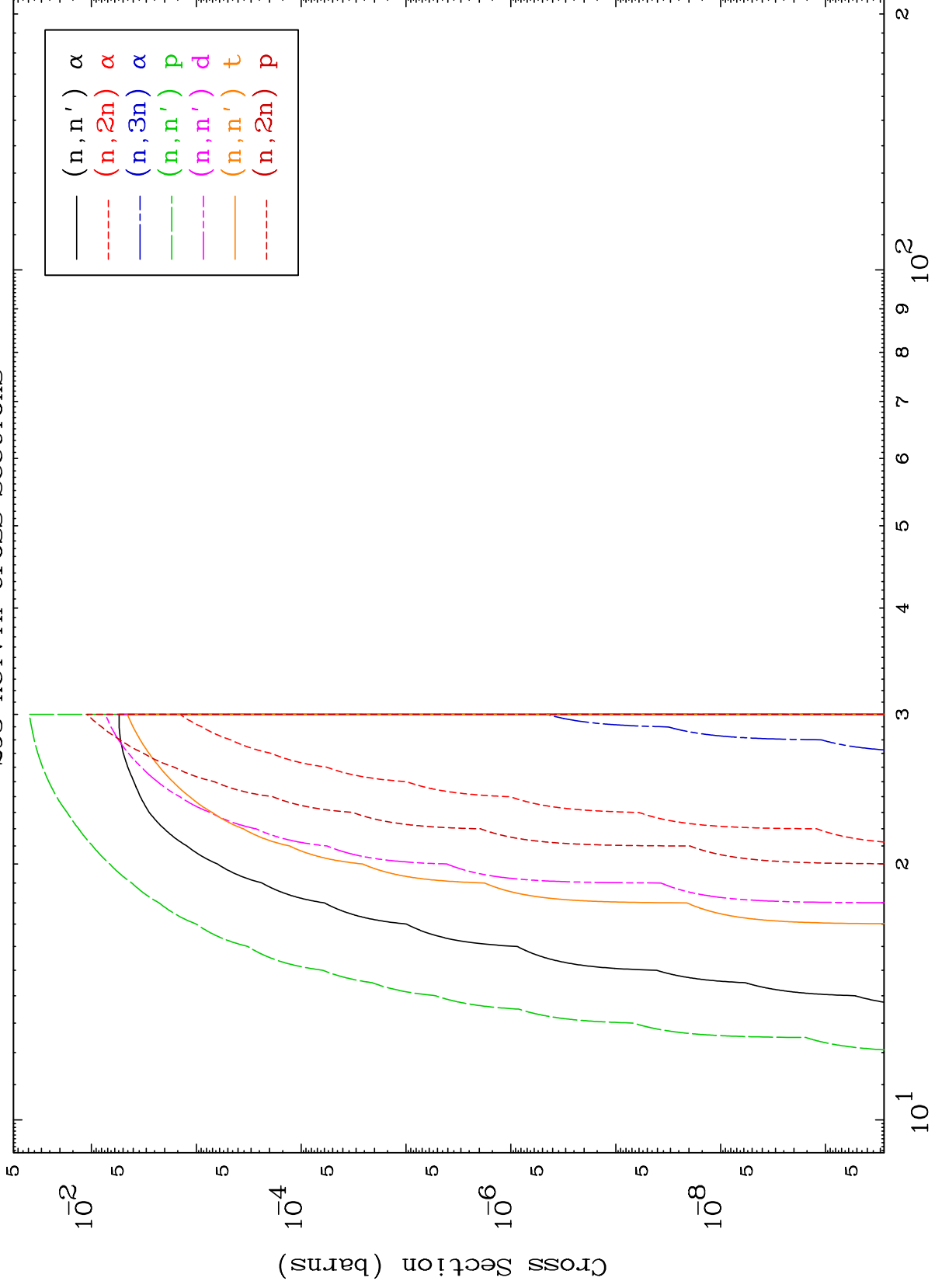
Neutron Absorption  
293 Kelvin Cross Sections



MAT 3149

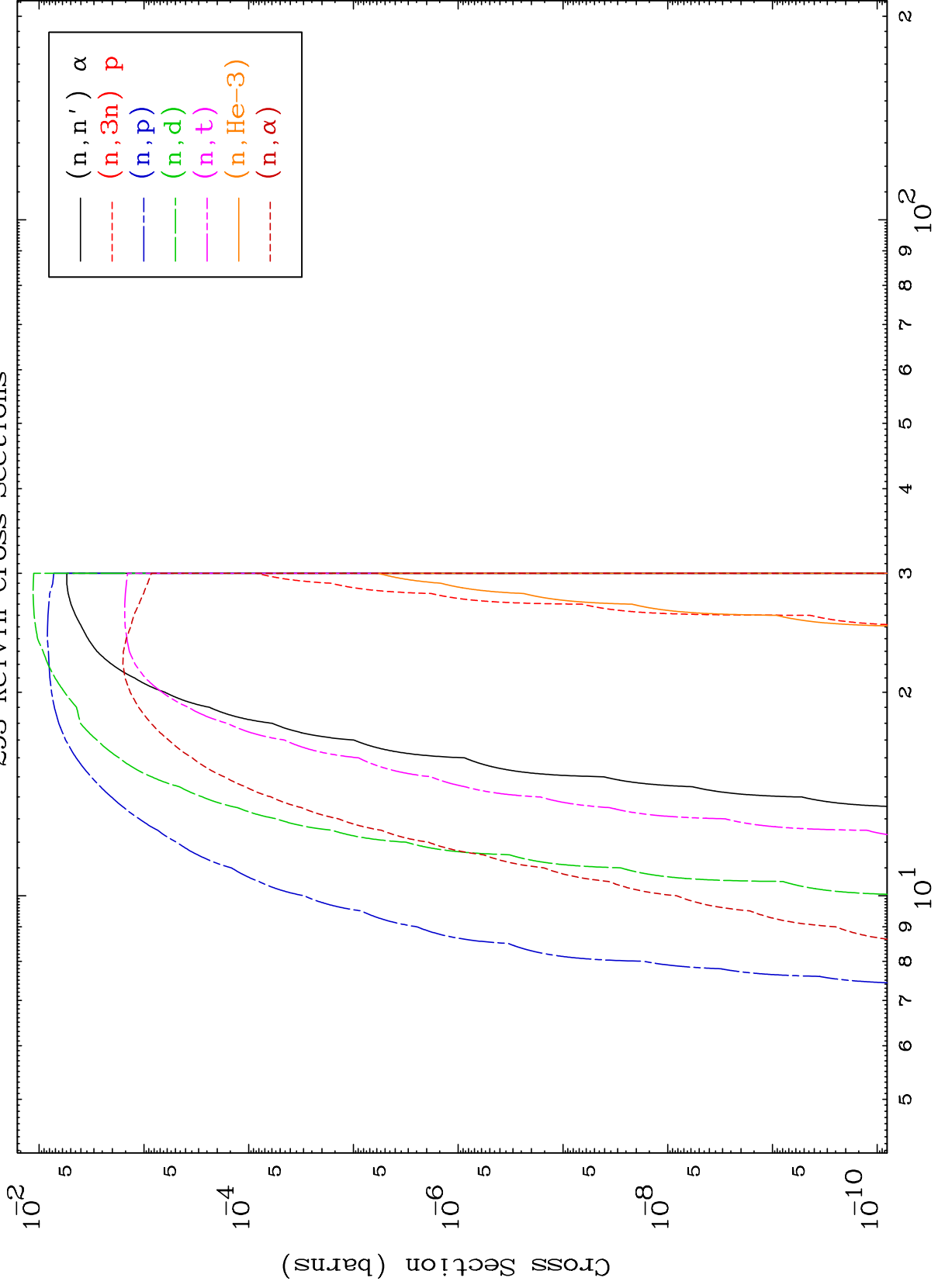
Charged Particle  
293 Kelvin Cross Sections

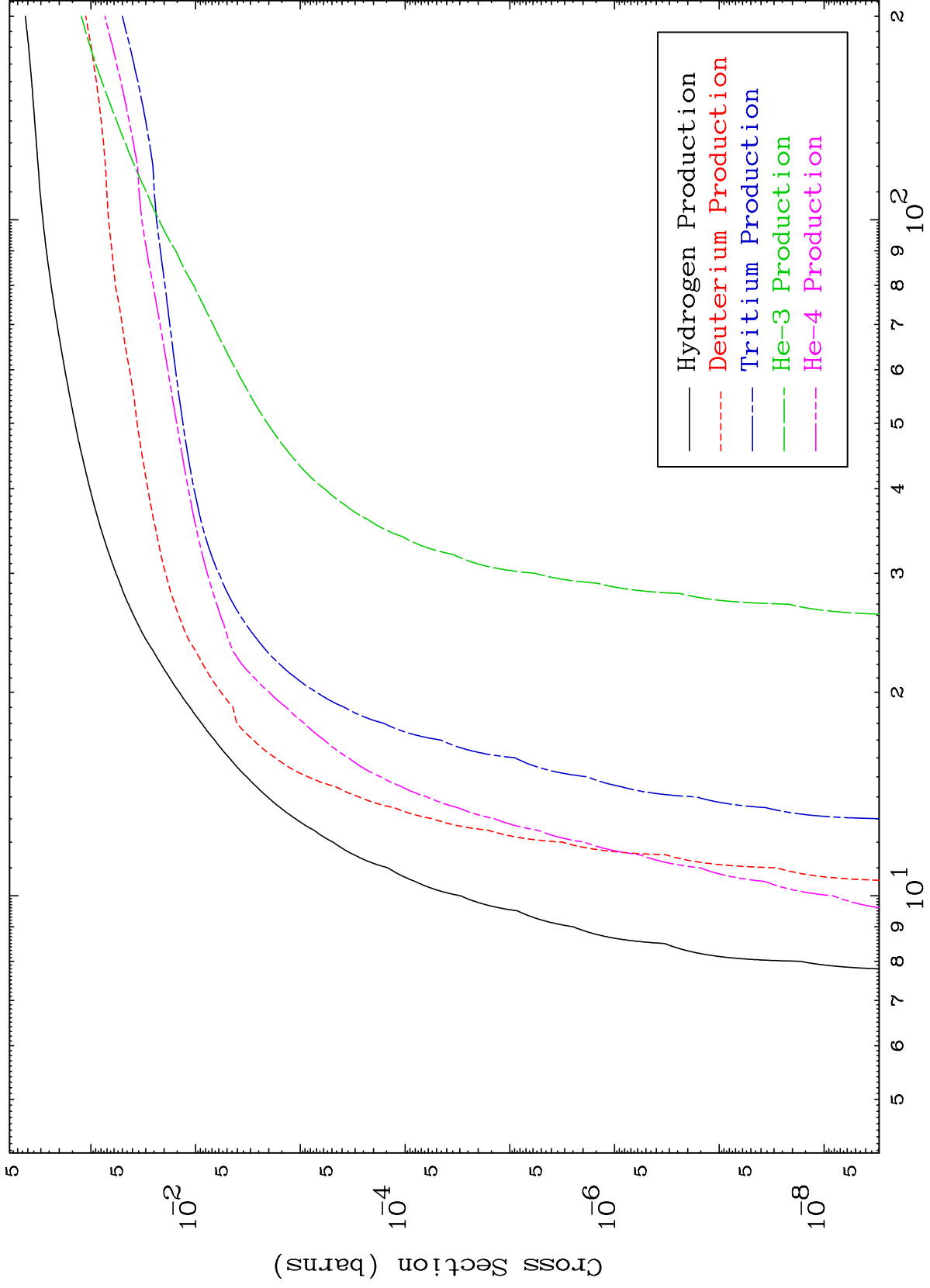
31-Ga-77



Incident Energy (MeV)

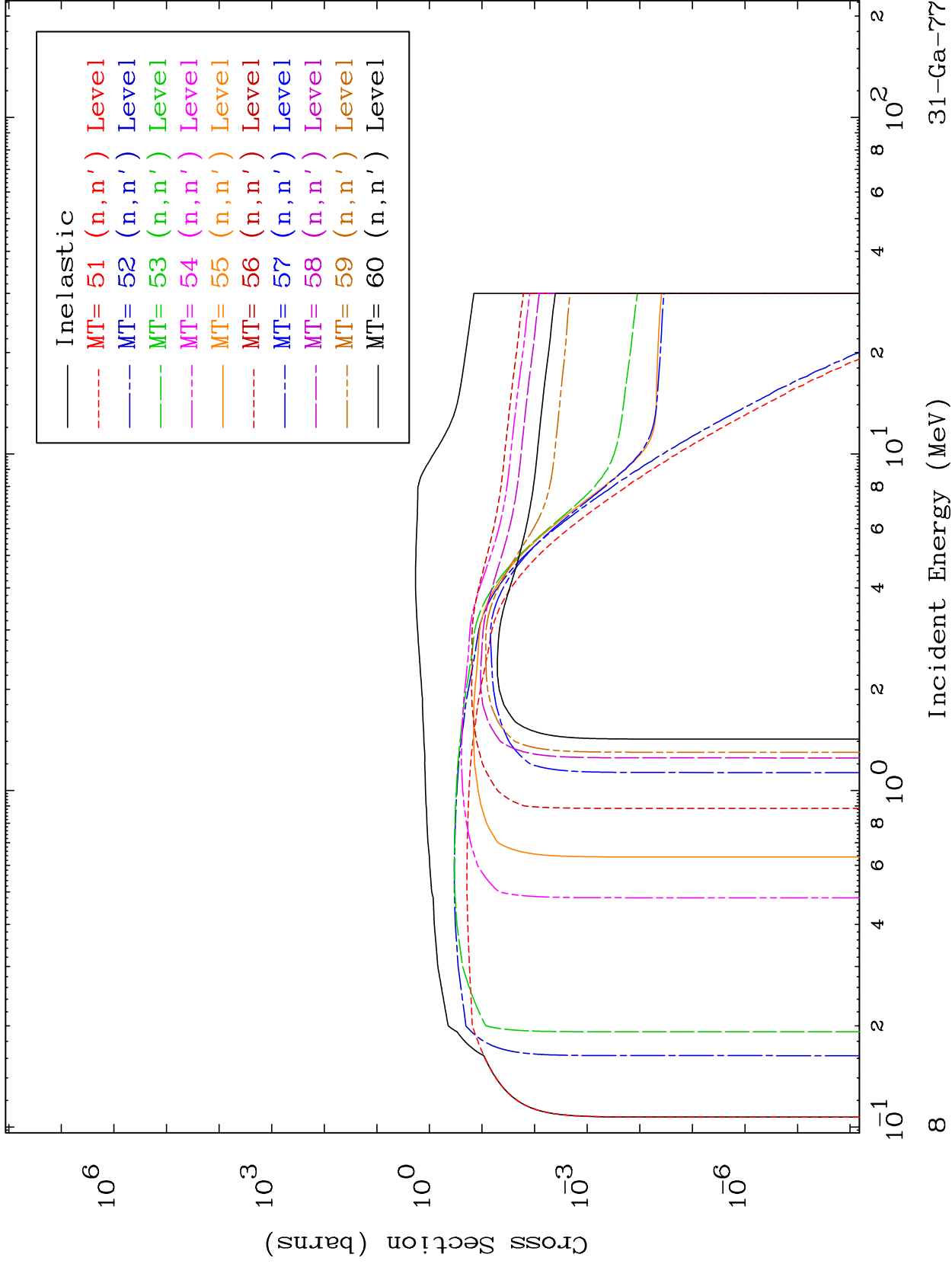
31-Ga-77







293 Kelvin Cross Sections

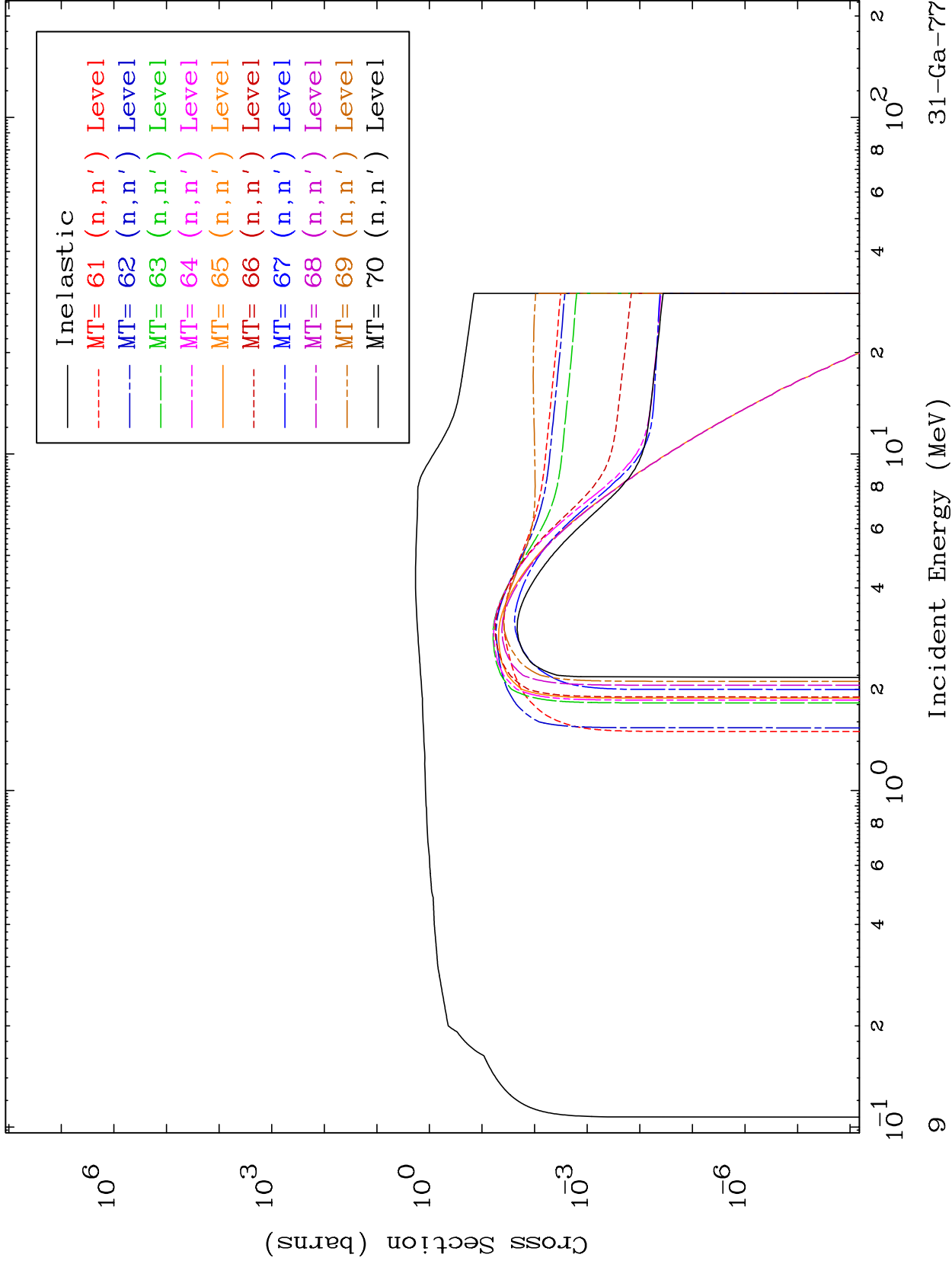


MAT 3149

(n,n') Levels

31-Ga-77

293 Kelvin Cross Sections



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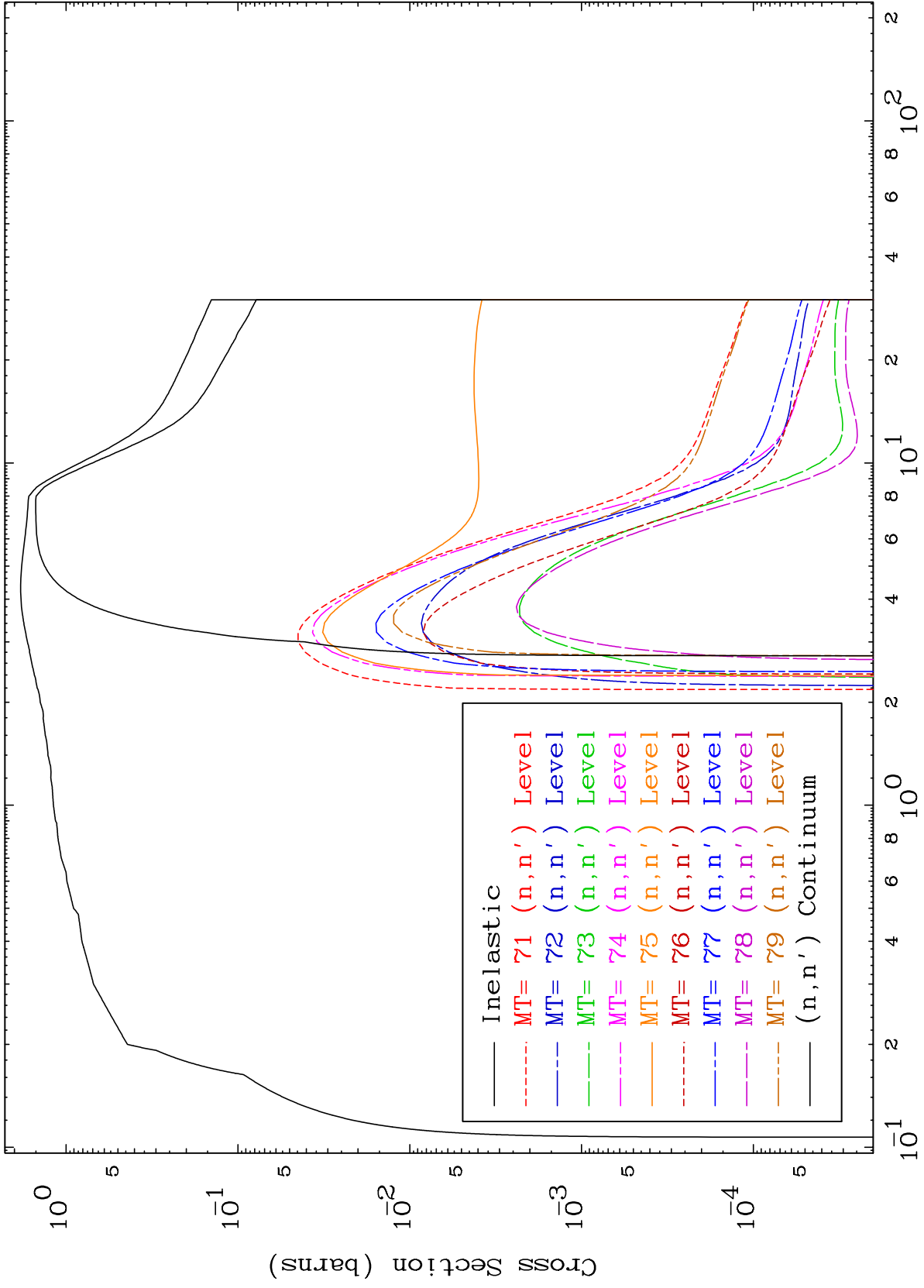
Incident Energy (MeV)

31-Ga-77

MAT 3149

(n,n') Levels  
293 Kelvin Cross Sections

31-Ga-77



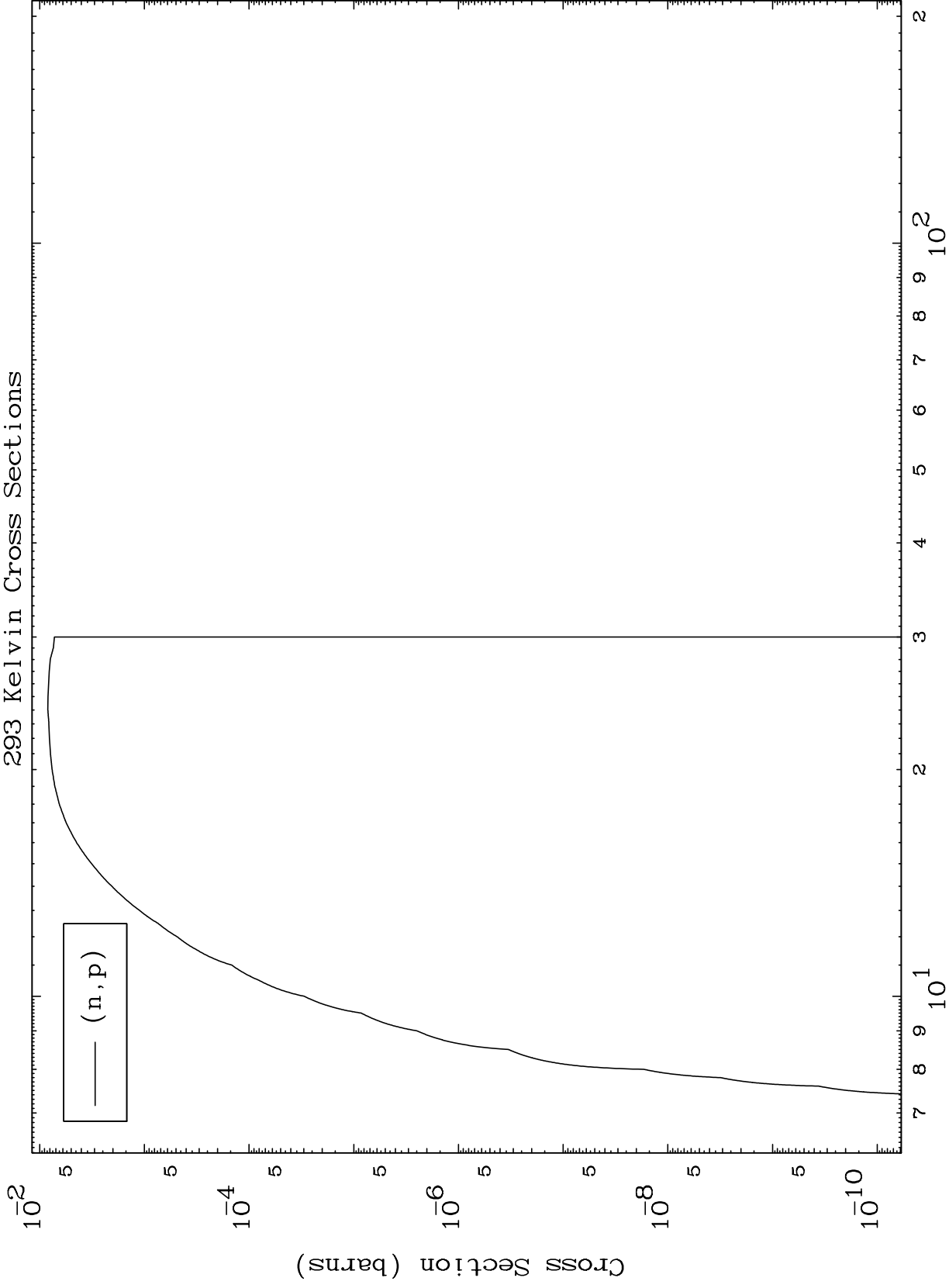
Incident Energy (MeV)

31-Ga-77

MAT 3149

(n,p) Levels  
293 Kelvin Cross Sections

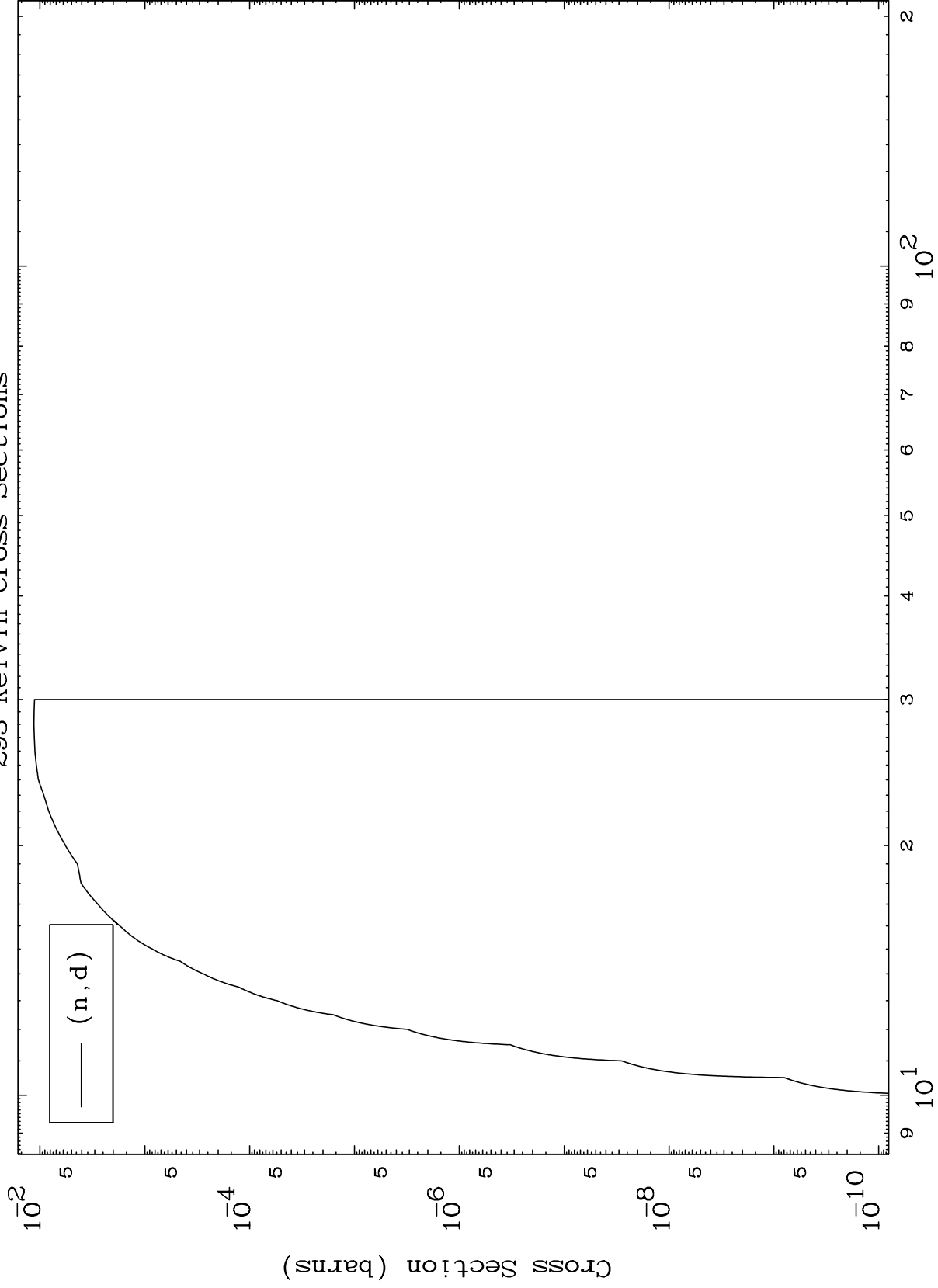
31-Ga-77



MAT 3149

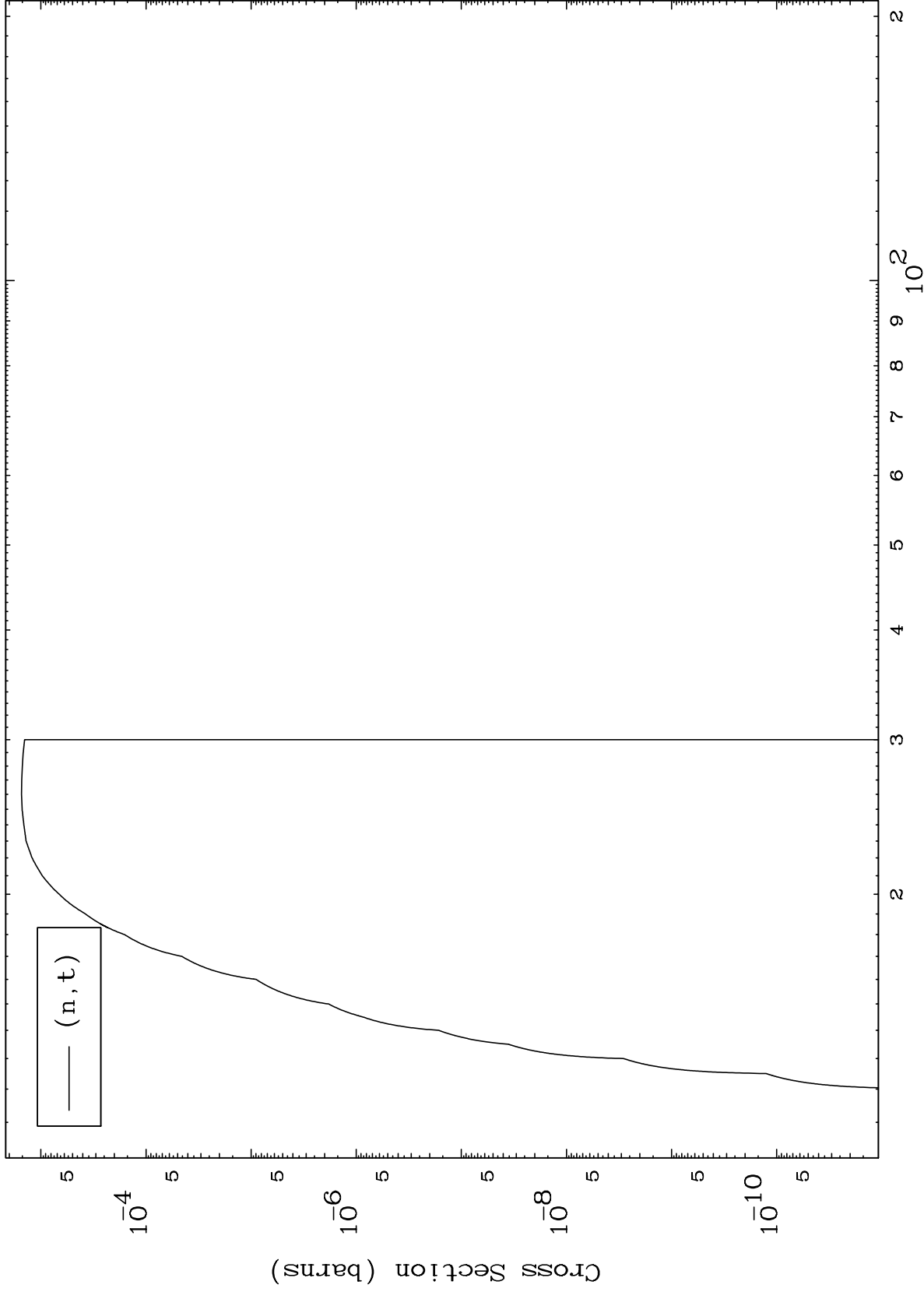
(n,d) Levels  
293 Kelvin Cross Sections

31-Ga-77



Incident Energy (MeV)

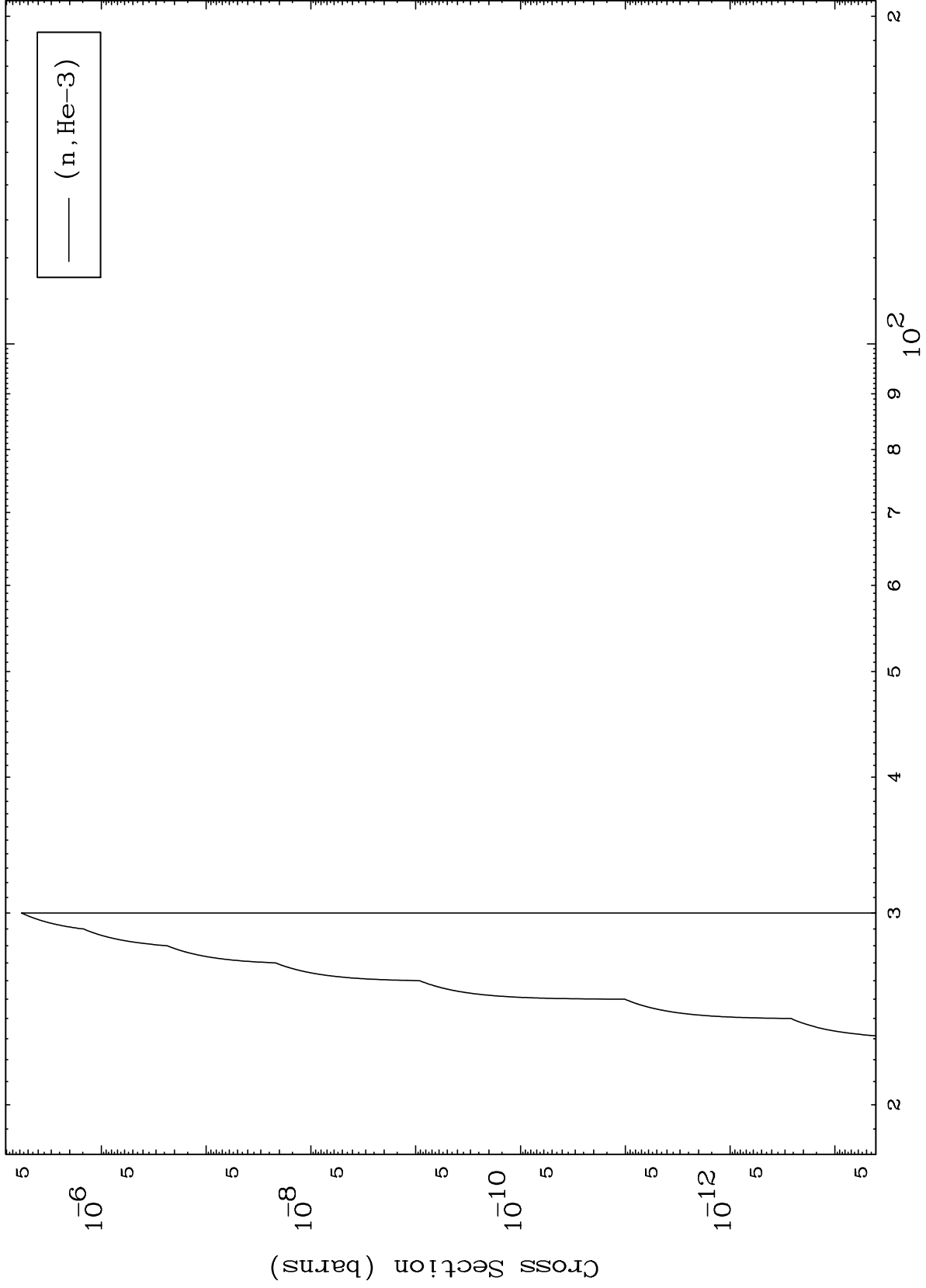
31-Ga-77



MAT 3149

(n,He3) Levels  
293 Kelvin Cross Sections

31-Ga-77



14

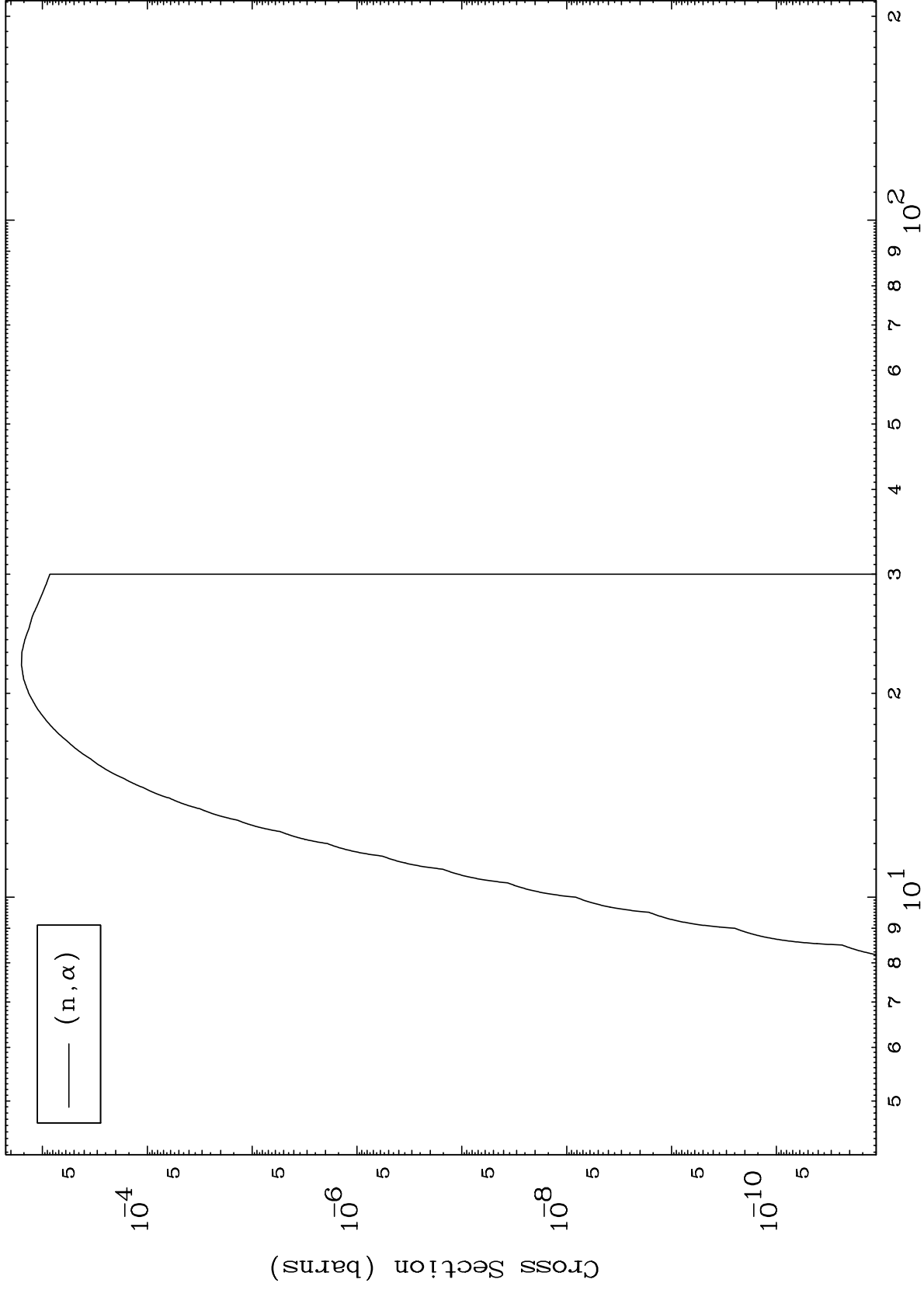
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



15

Incident Energy (MeV)

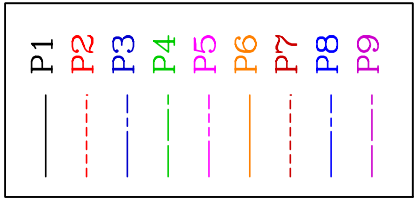
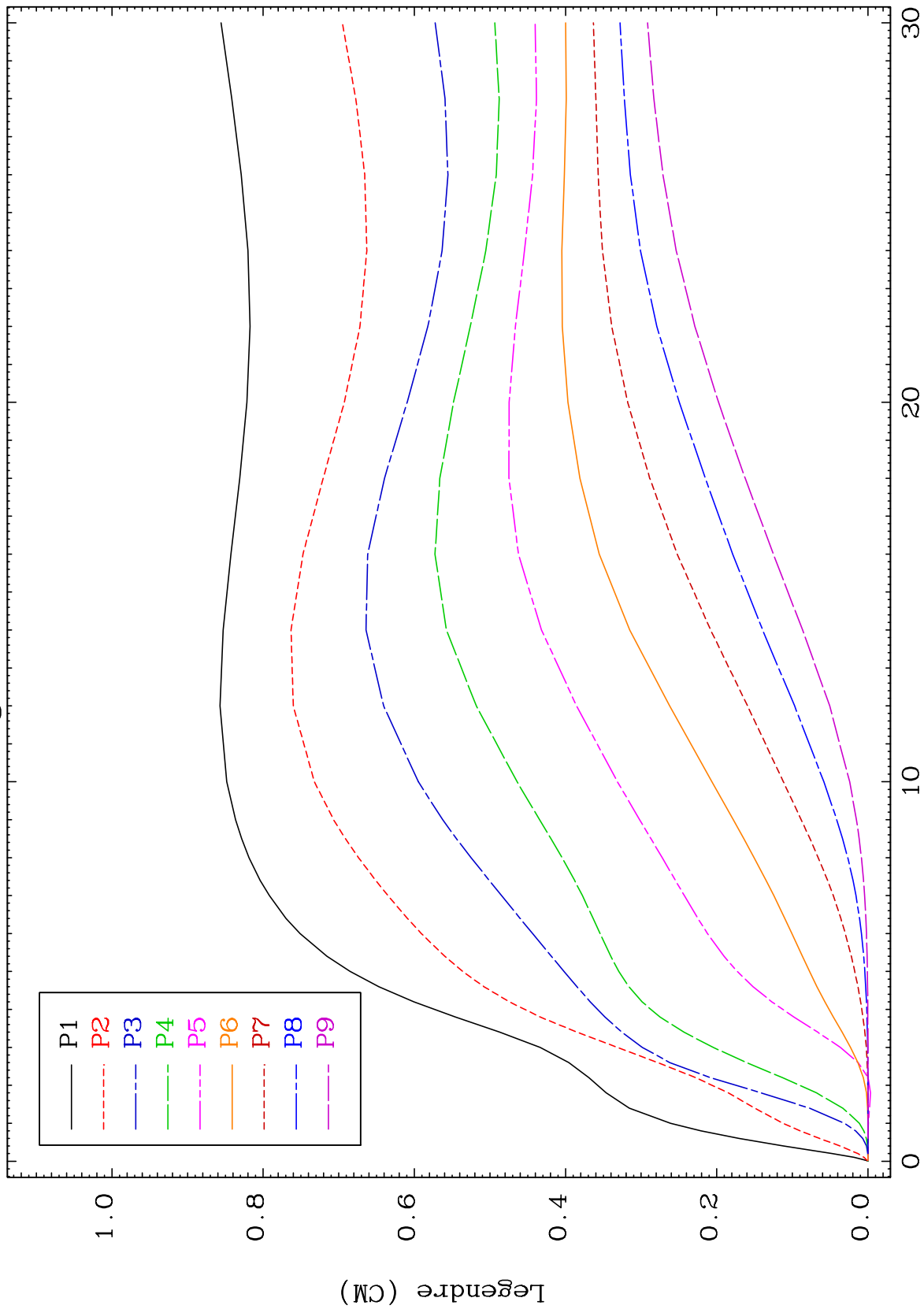
31-Ga-77



MAT 3149

Elastic Legendre Coefficients

<sup>31</sup>Ga-77



16

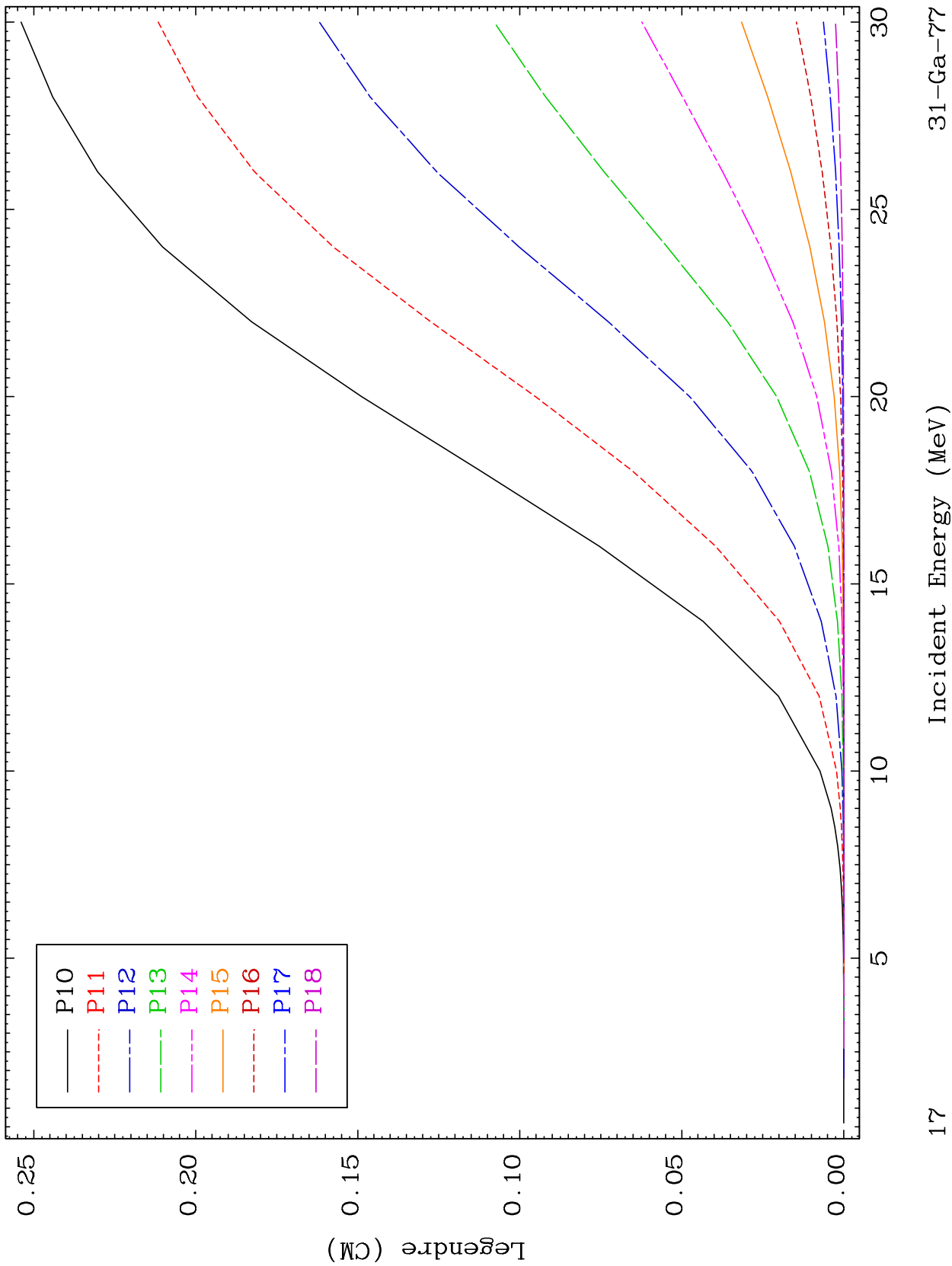
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

### Elastic Legendre Coefficients

<sup>31</sup>Ga-77



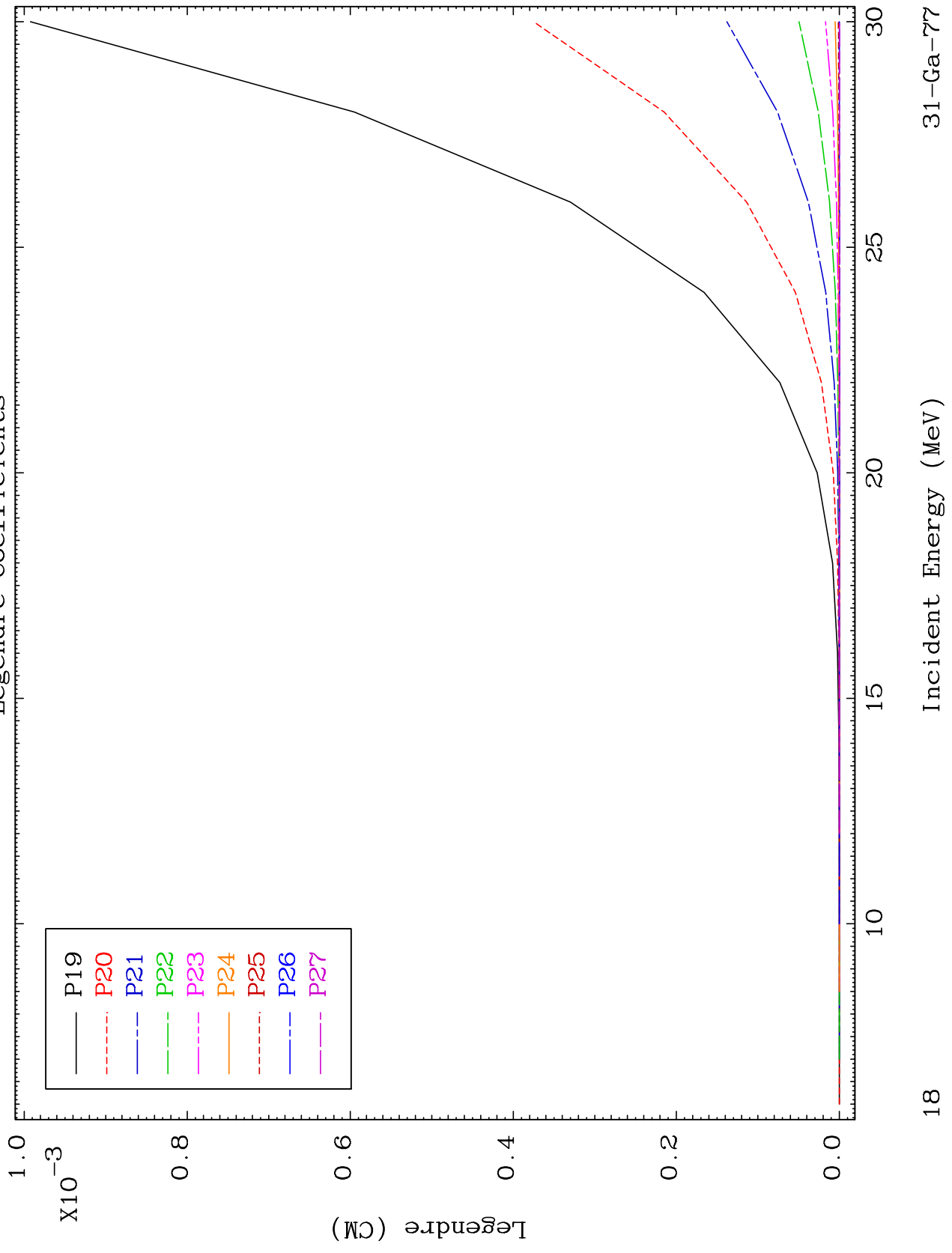
17

<sup>31</sup>Ga-77

MAT 3149

### Elastic Legendre Coefficients

31-Ga-77



18

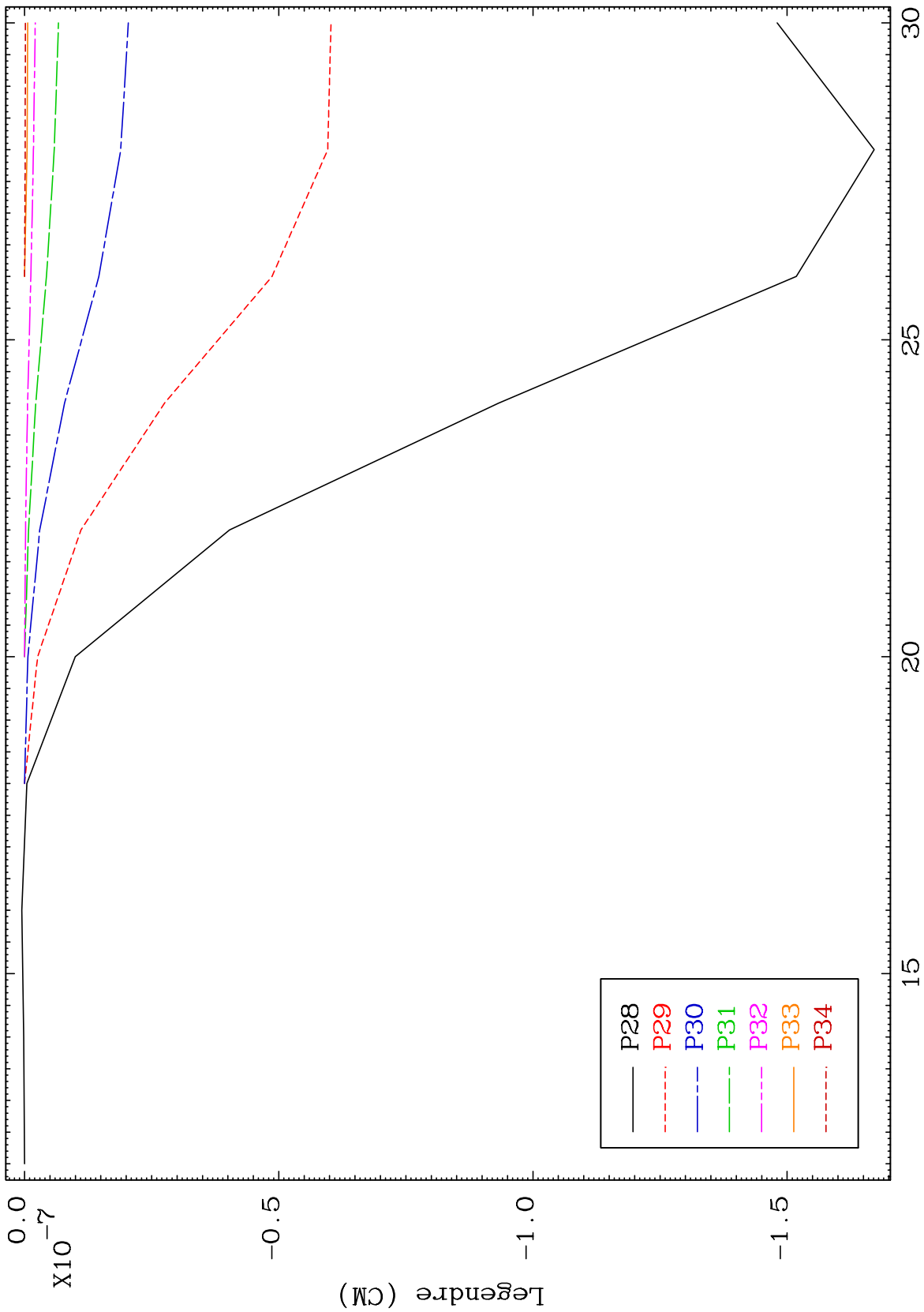
Incident Energy (MeV)

31-Ga-77

MAT 3149

31-Ga-77

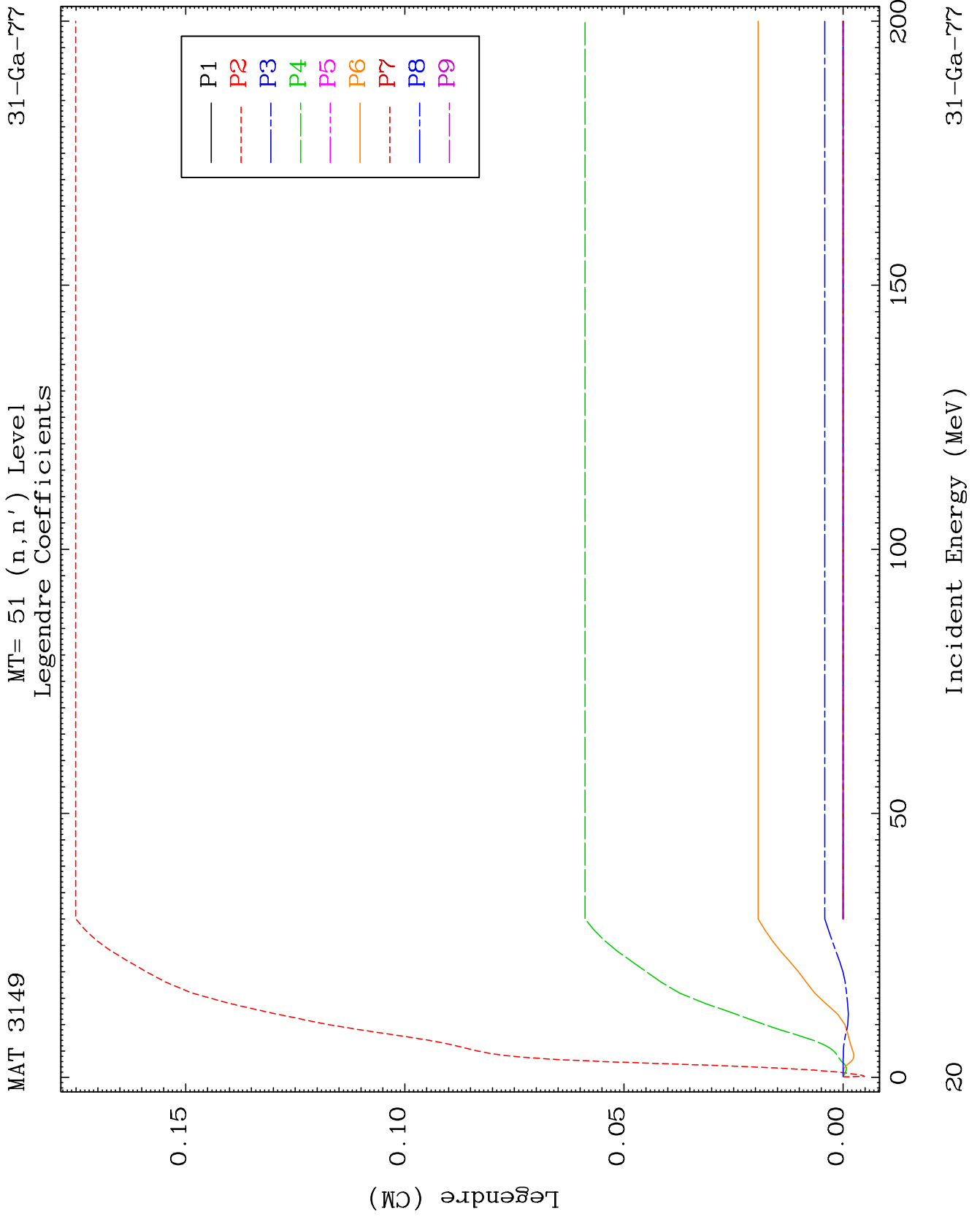
Elastic Legendre Coefficients

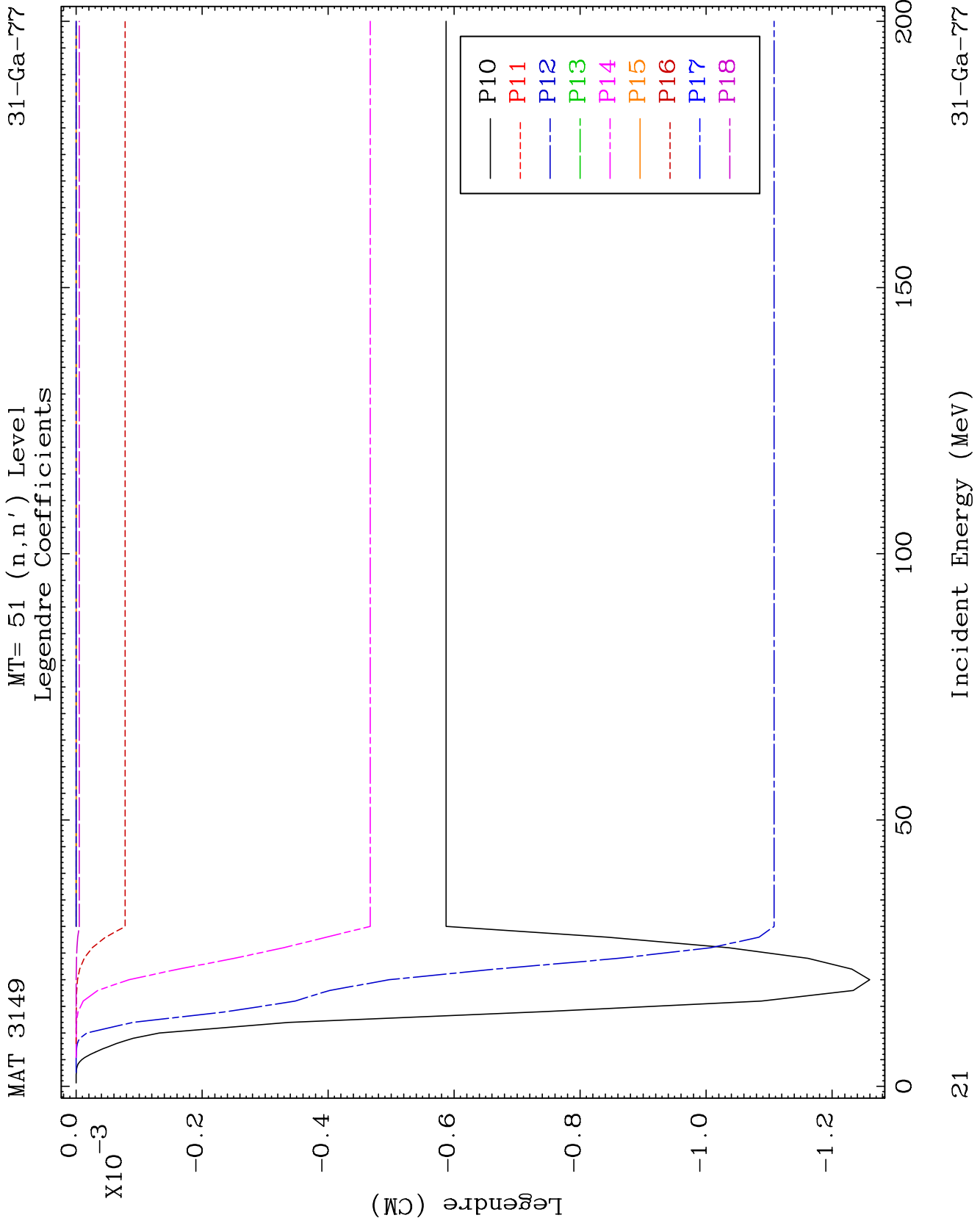


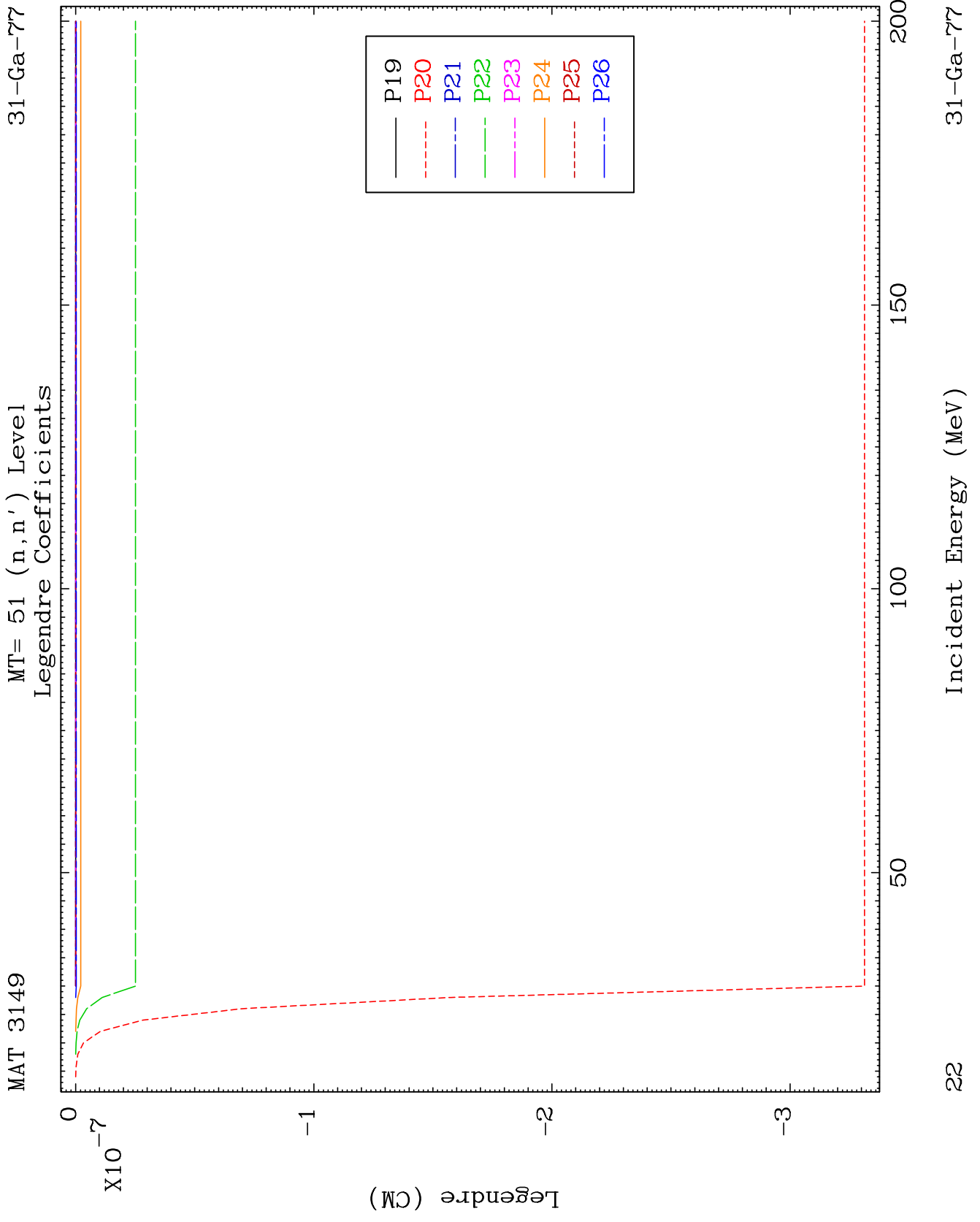
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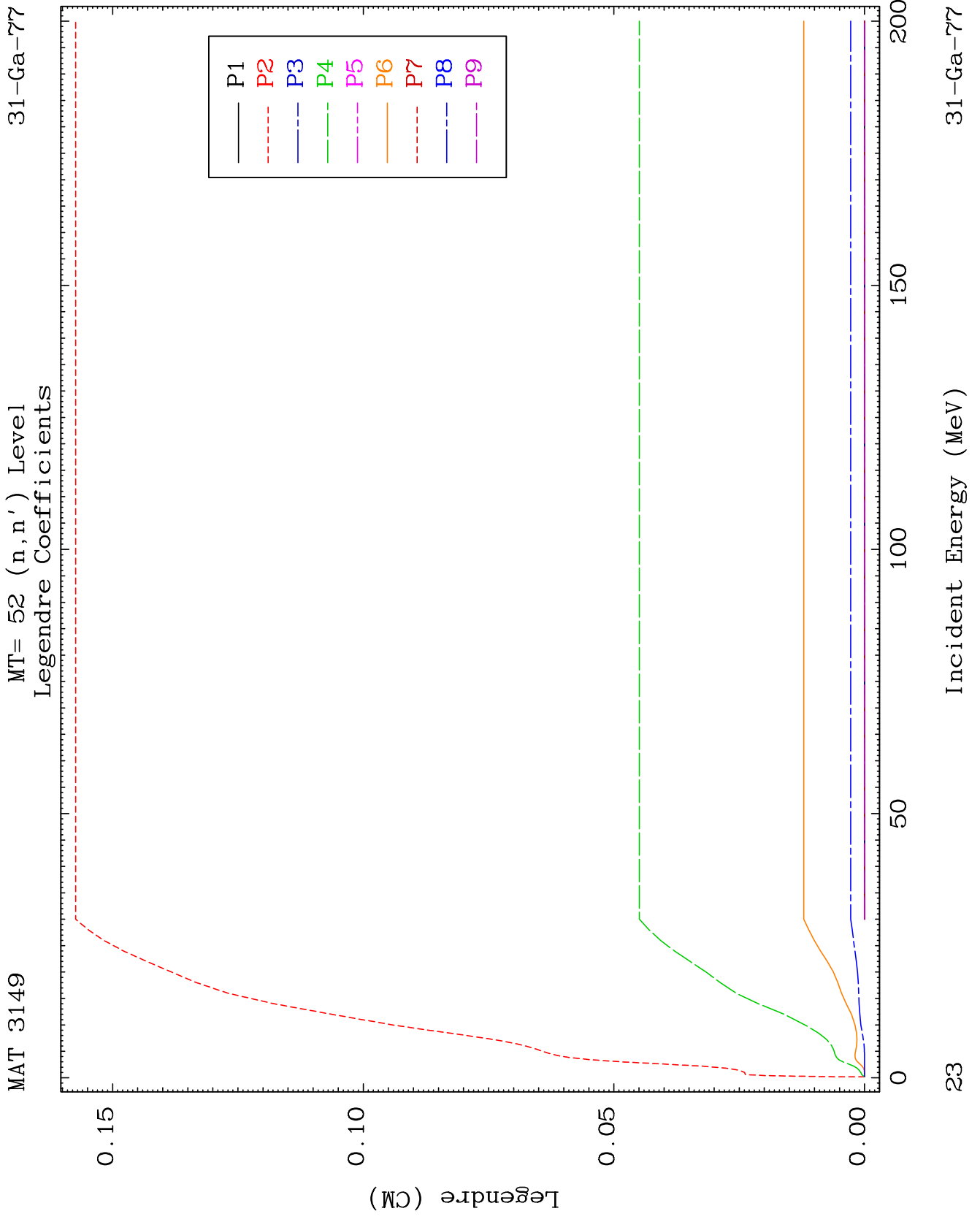
Incident Energy (MeV)

31-Ga-77

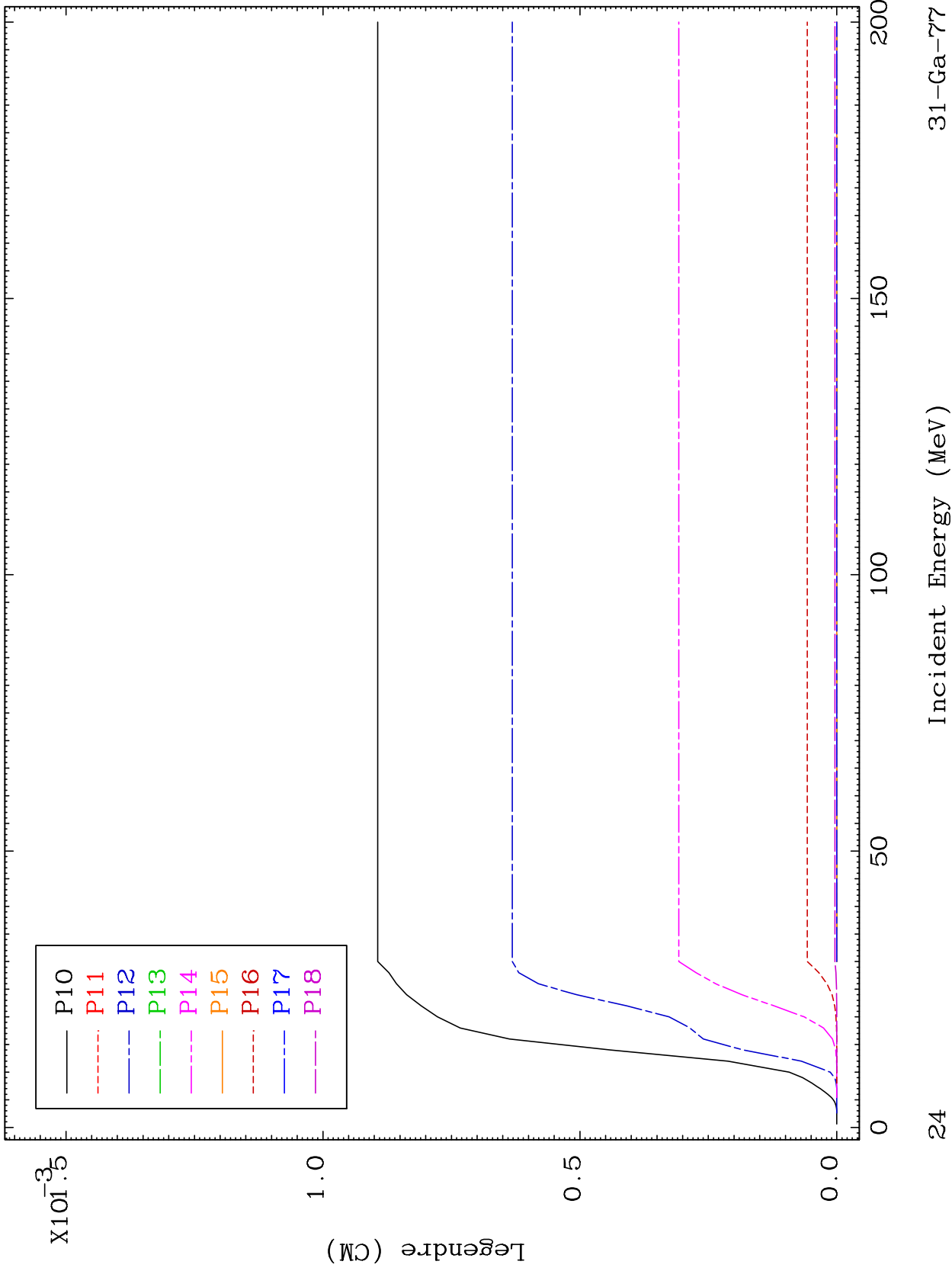










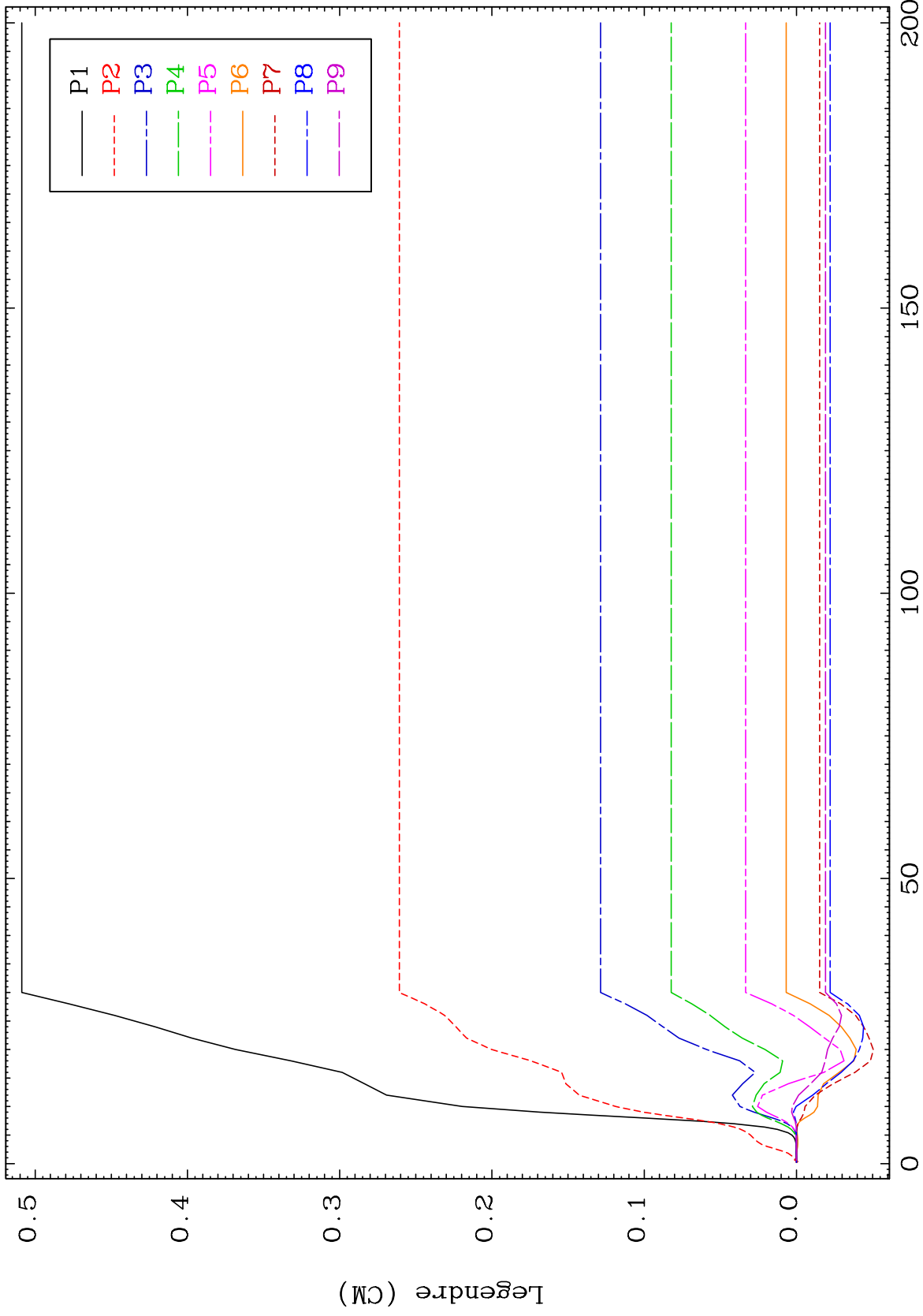




MAT 3149

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

31-Ga-77



26

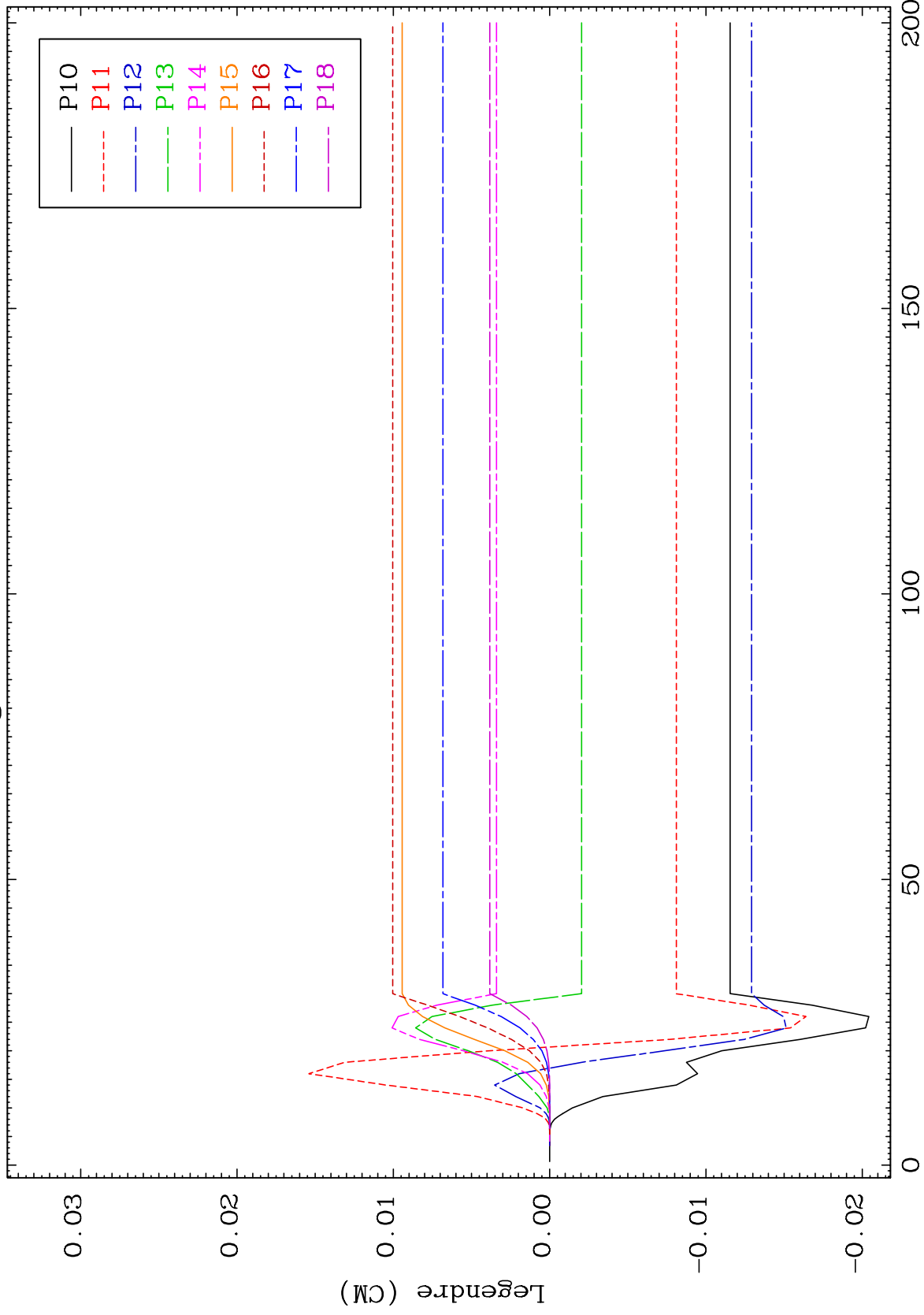
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



27

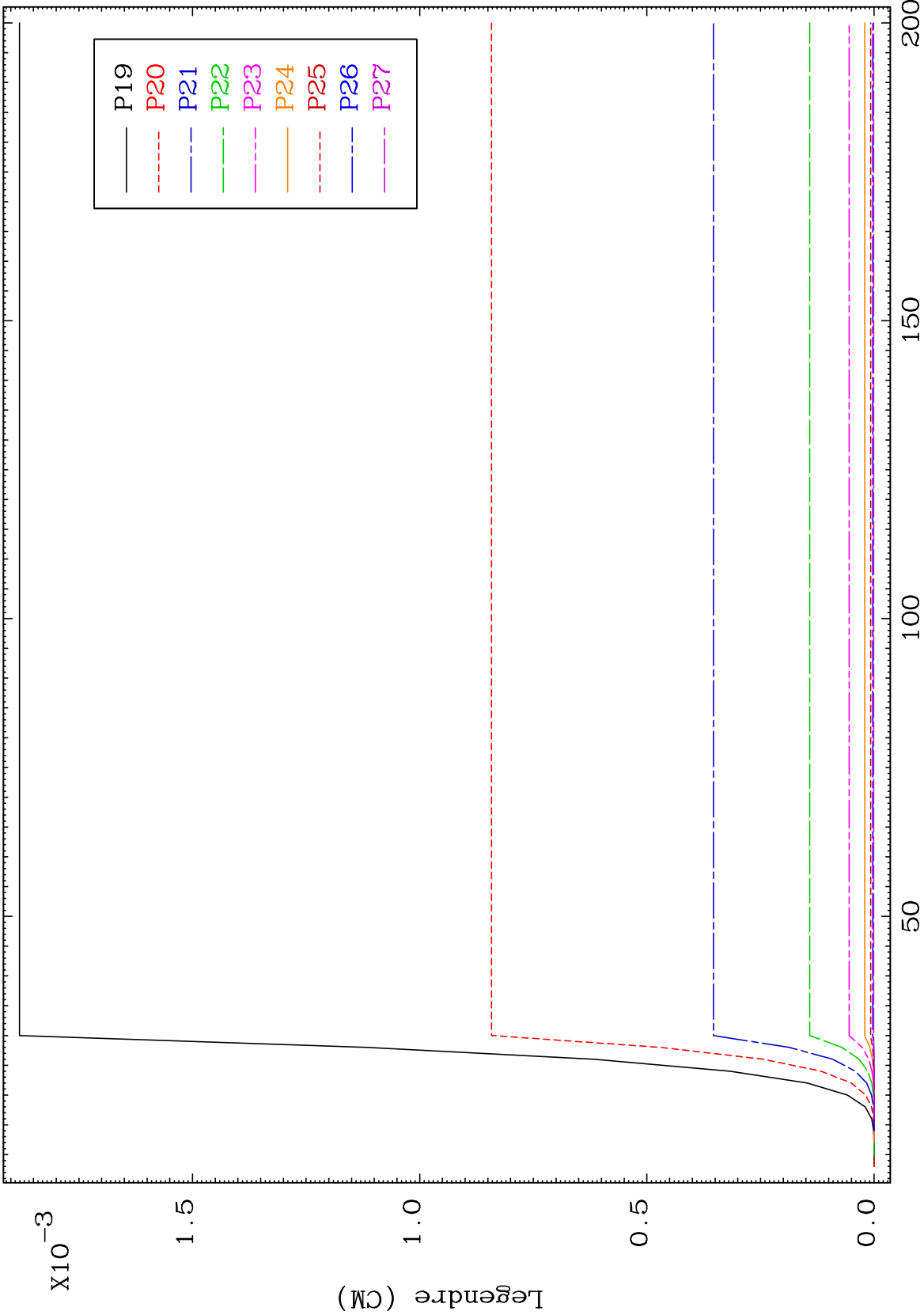
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



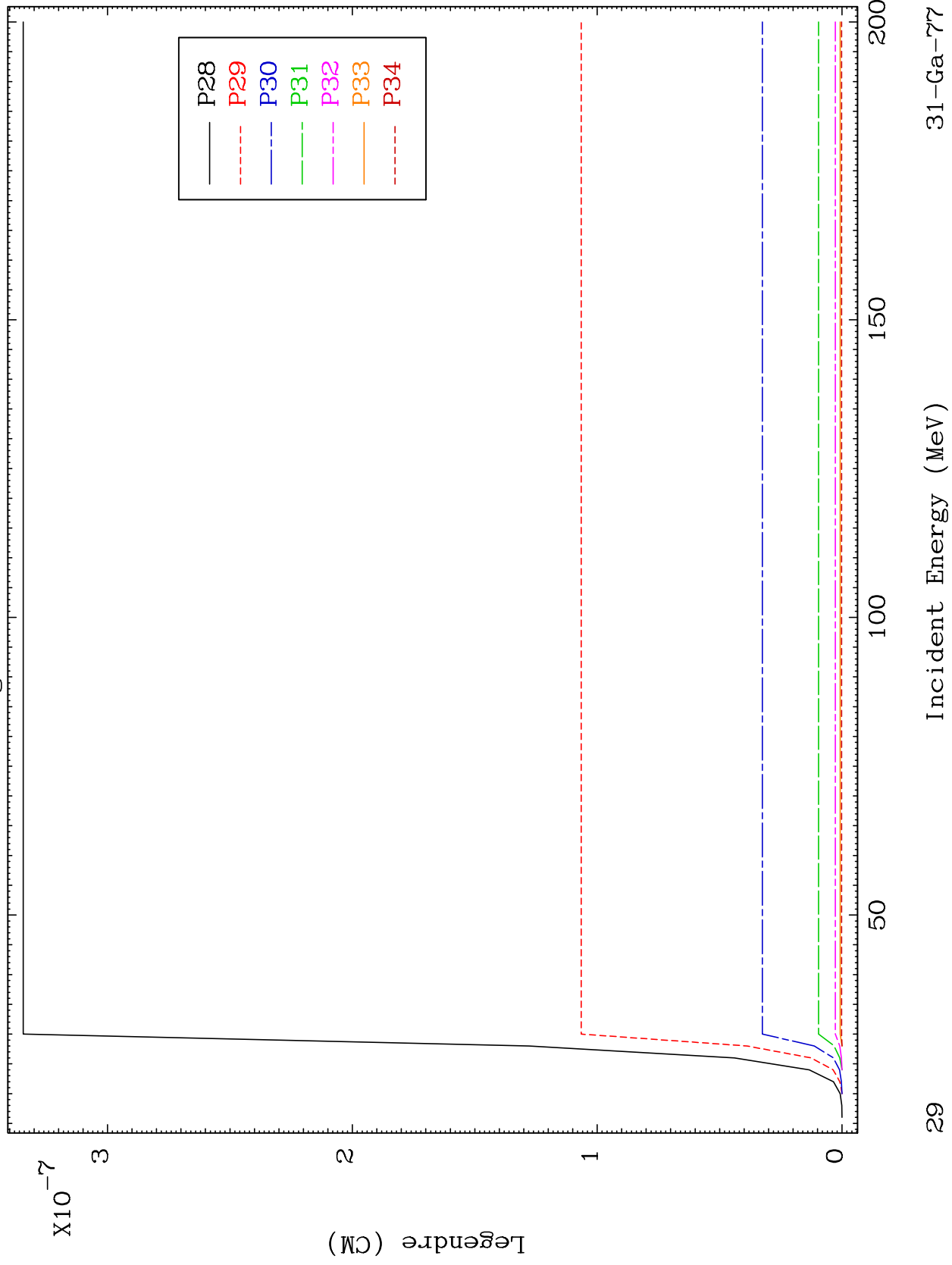
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31-Ga-77

MAT 3149

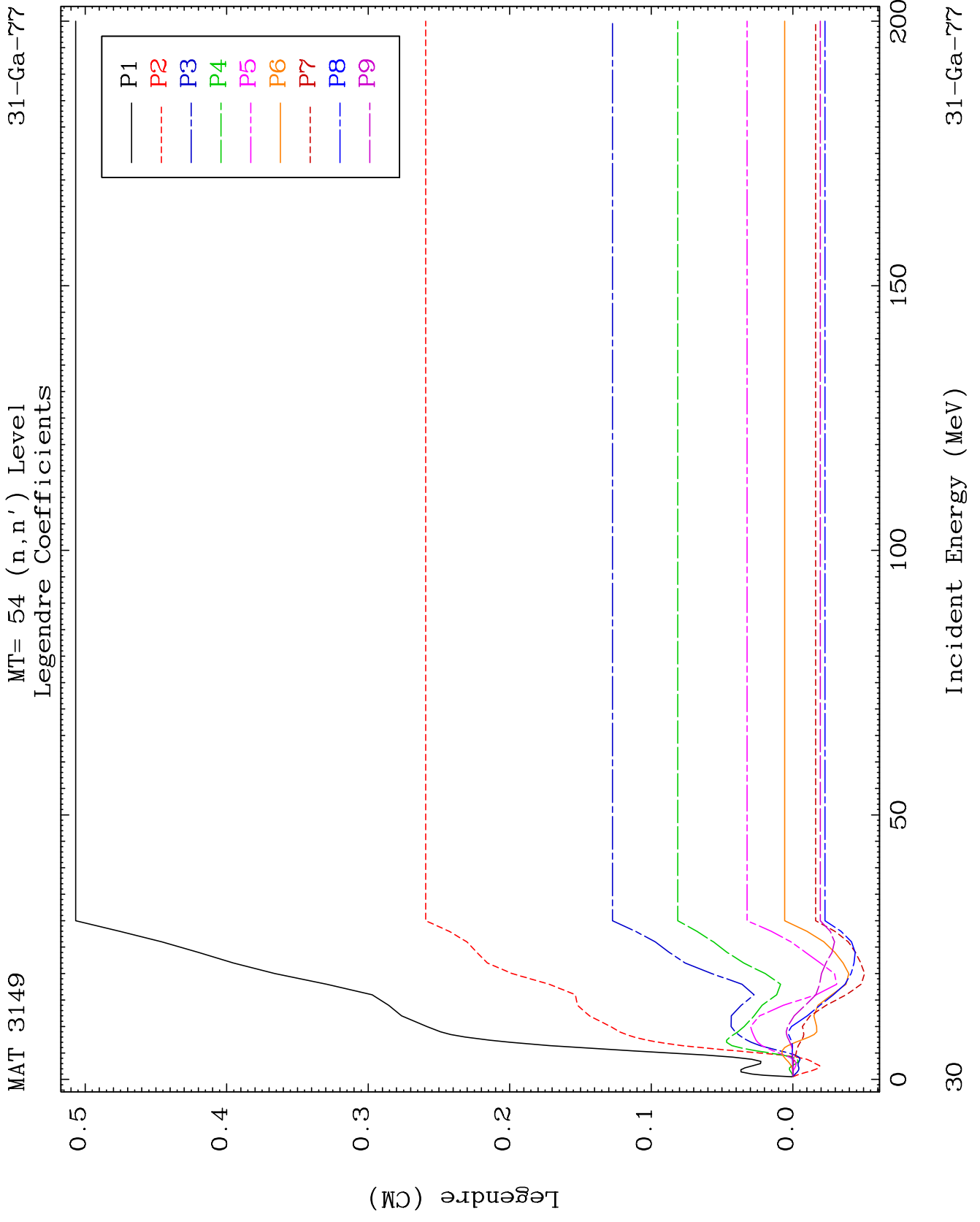
MT= 53 (n,n') Level  
Legendre Coefficients

31-Ga-77



29

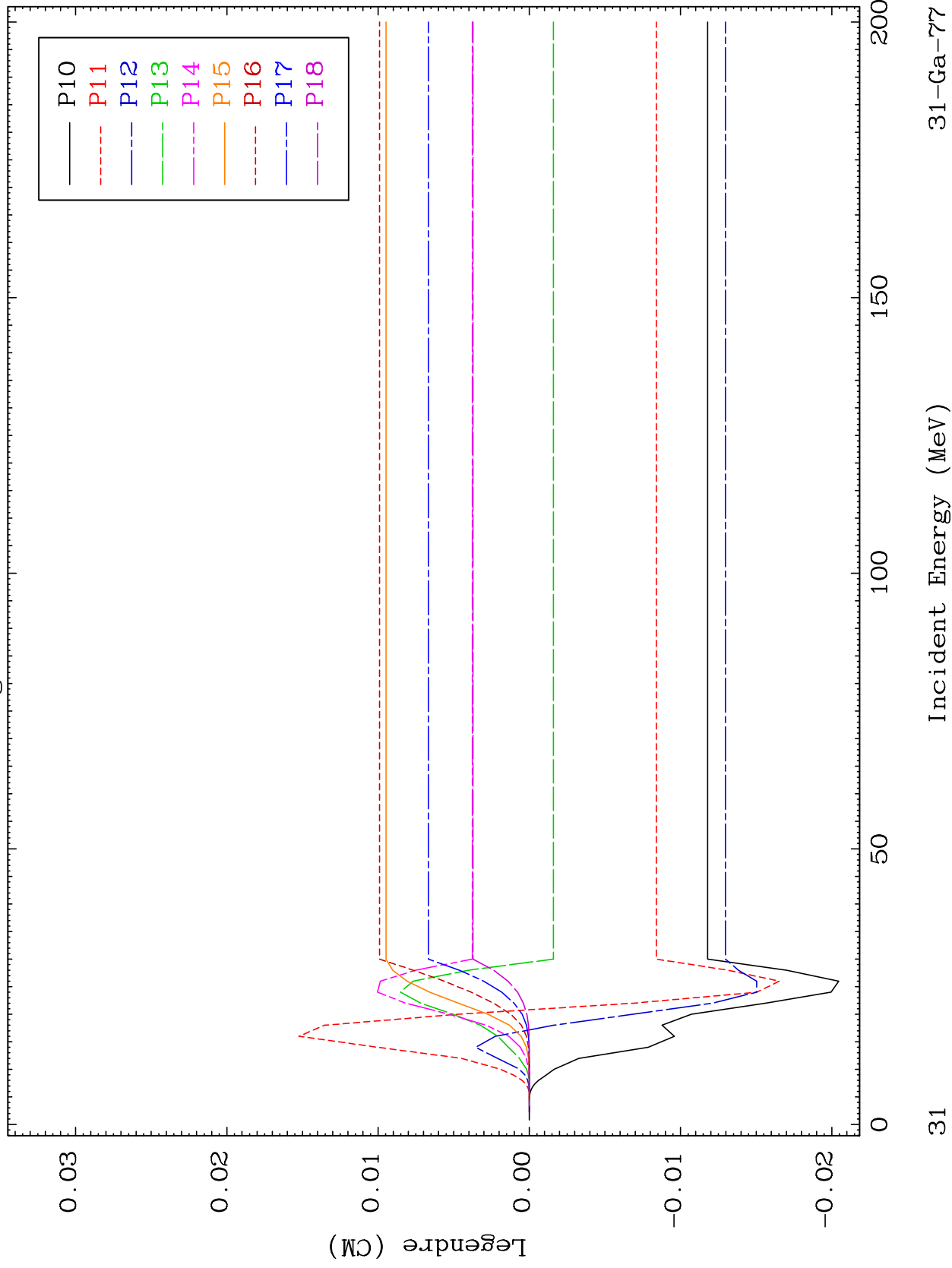
31-Ga-77



MAT 3149

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

<sup>31</sup>Ga-77



31

Incident Energy (MeV)

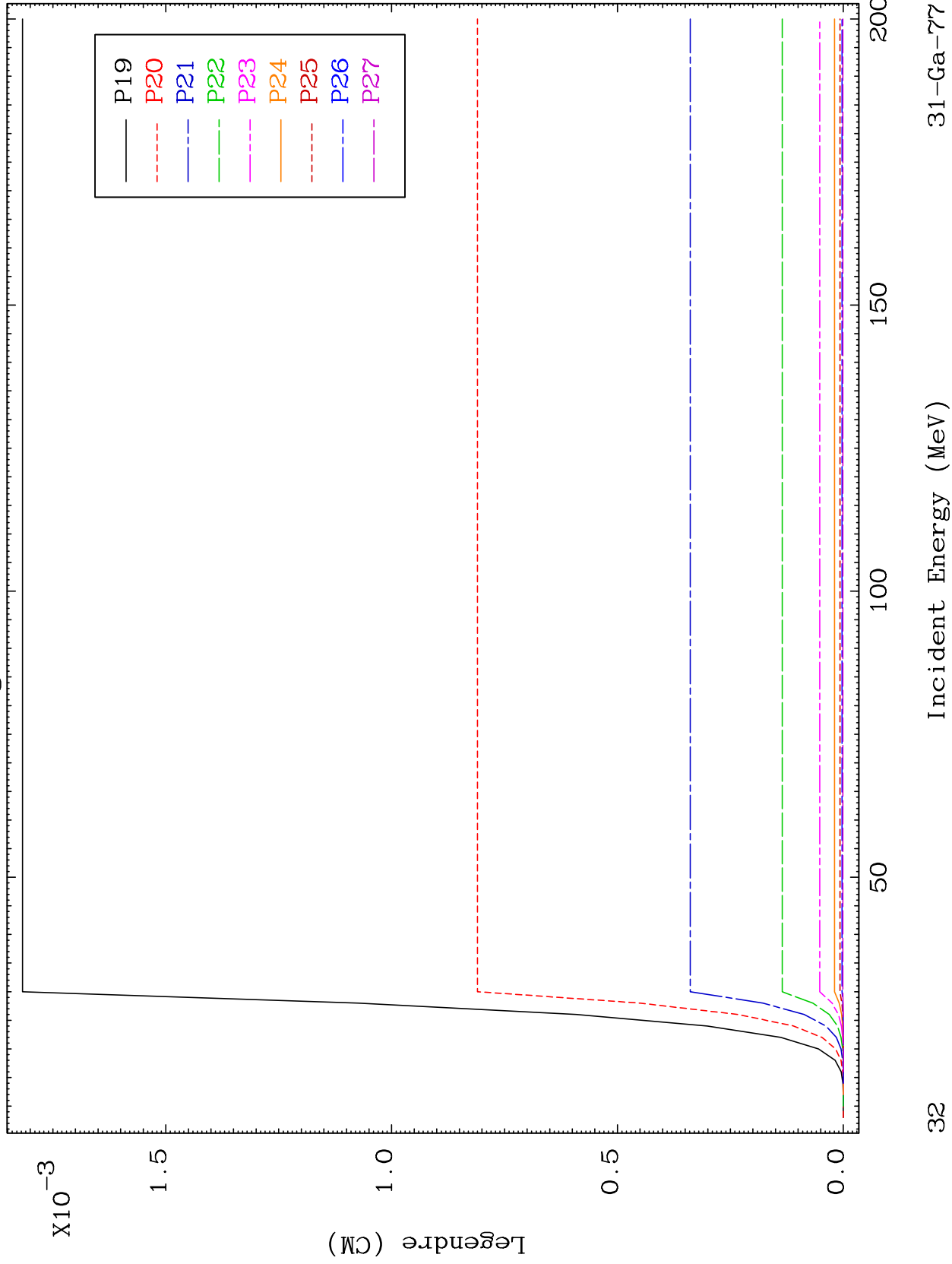
<sup>31</sup>Ga-77



MAT 3149

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

<sup>31</sup>Ga-77



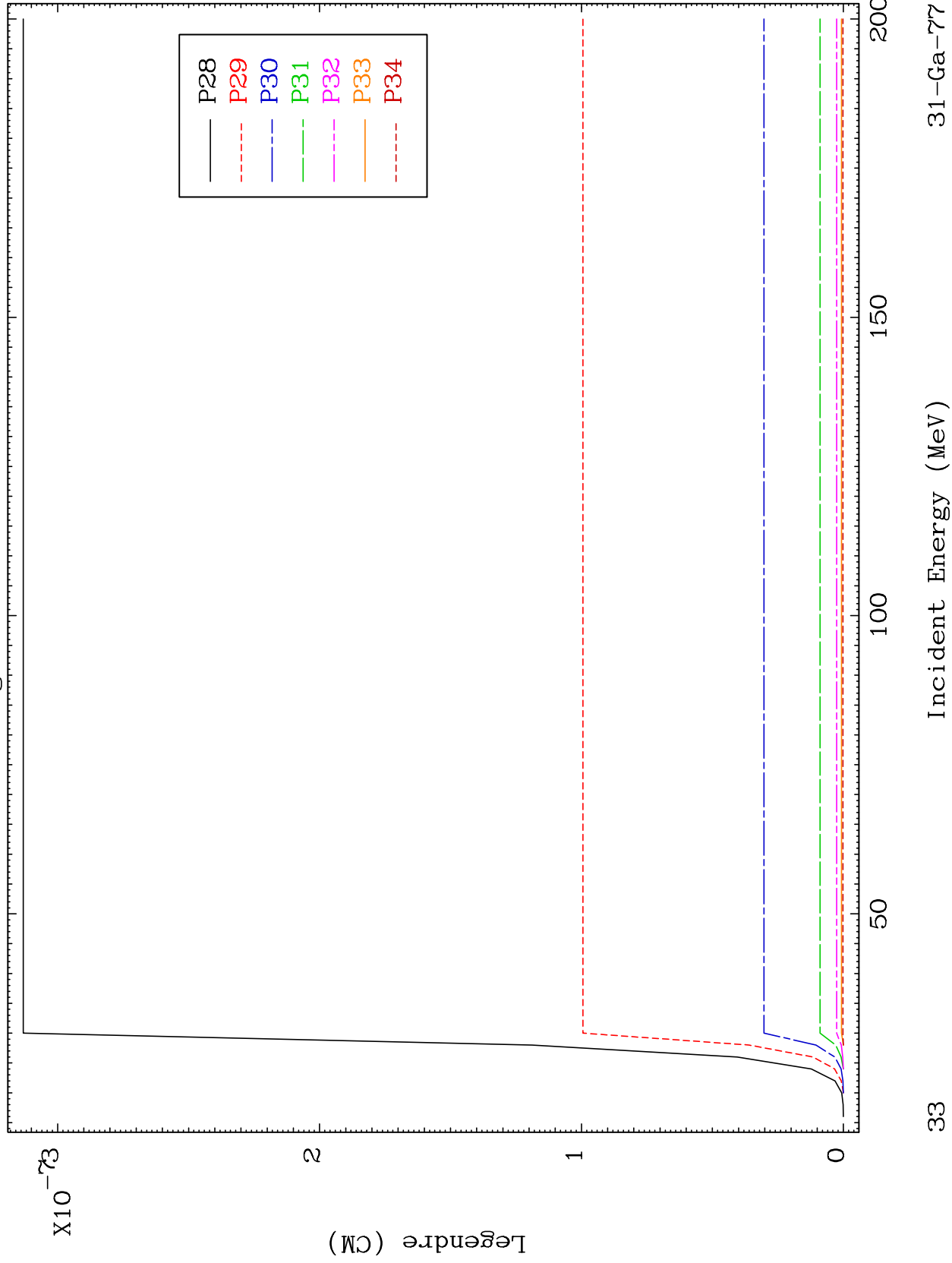
32

<sup>31</sup>Ga-77

MAT 3149

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

31-Ga-77



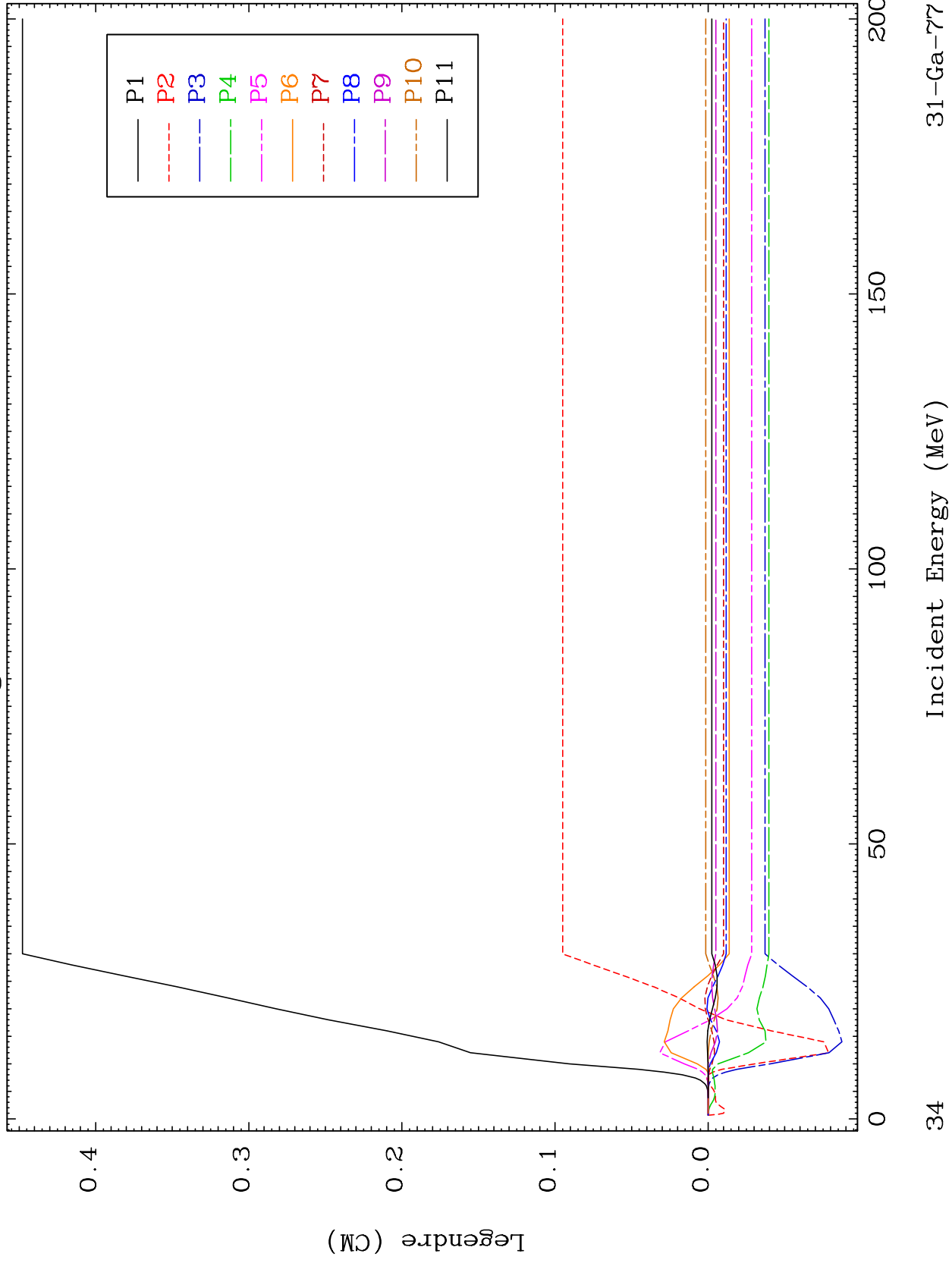
33

31-Ga-77

MAT 3149

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

<sup>31</sup>Ga-77



<sup>31</sup>Ga-77

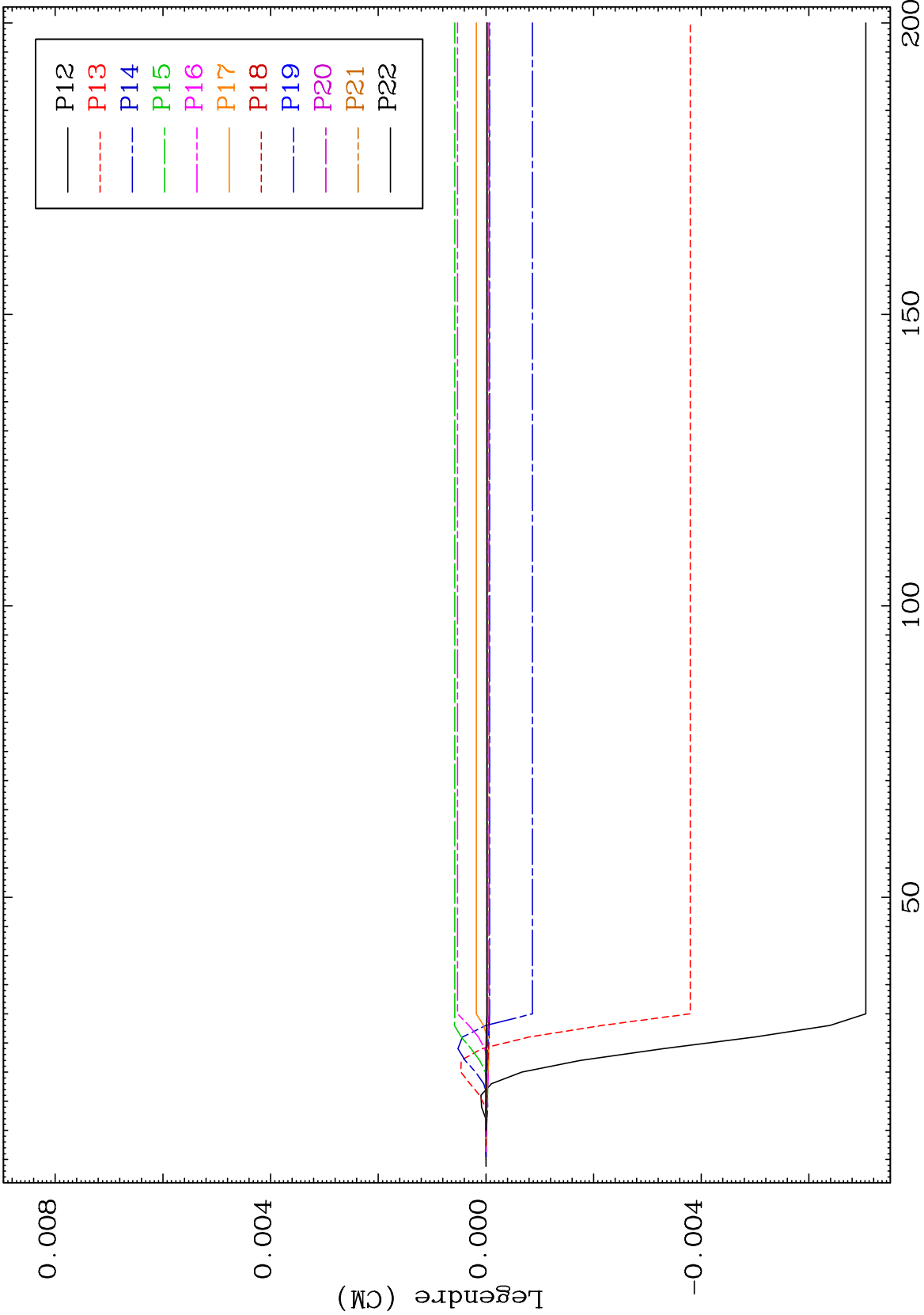
Incident Energy (MeV)

34

MAT 3149

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

31-Ga-77



35

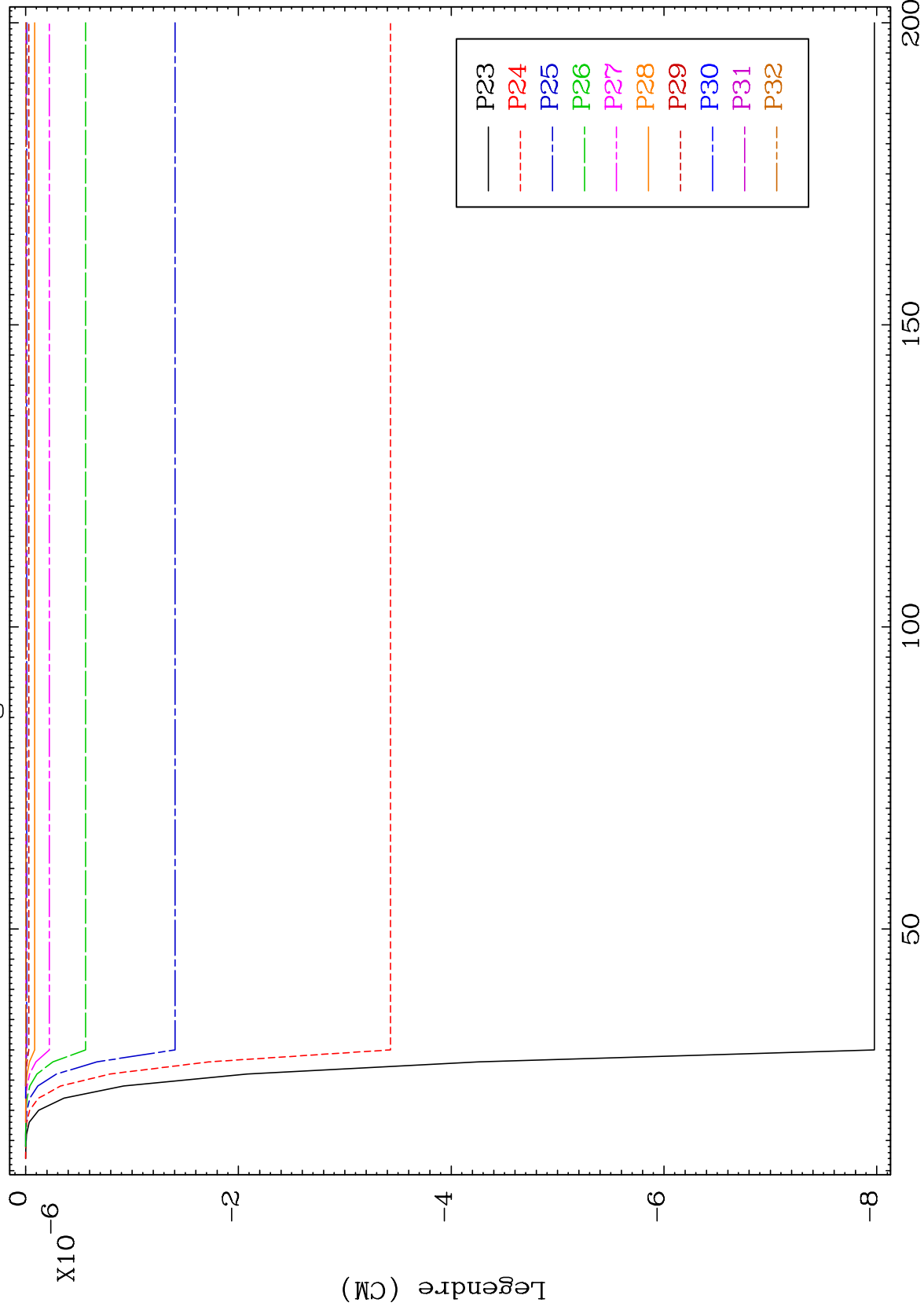
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

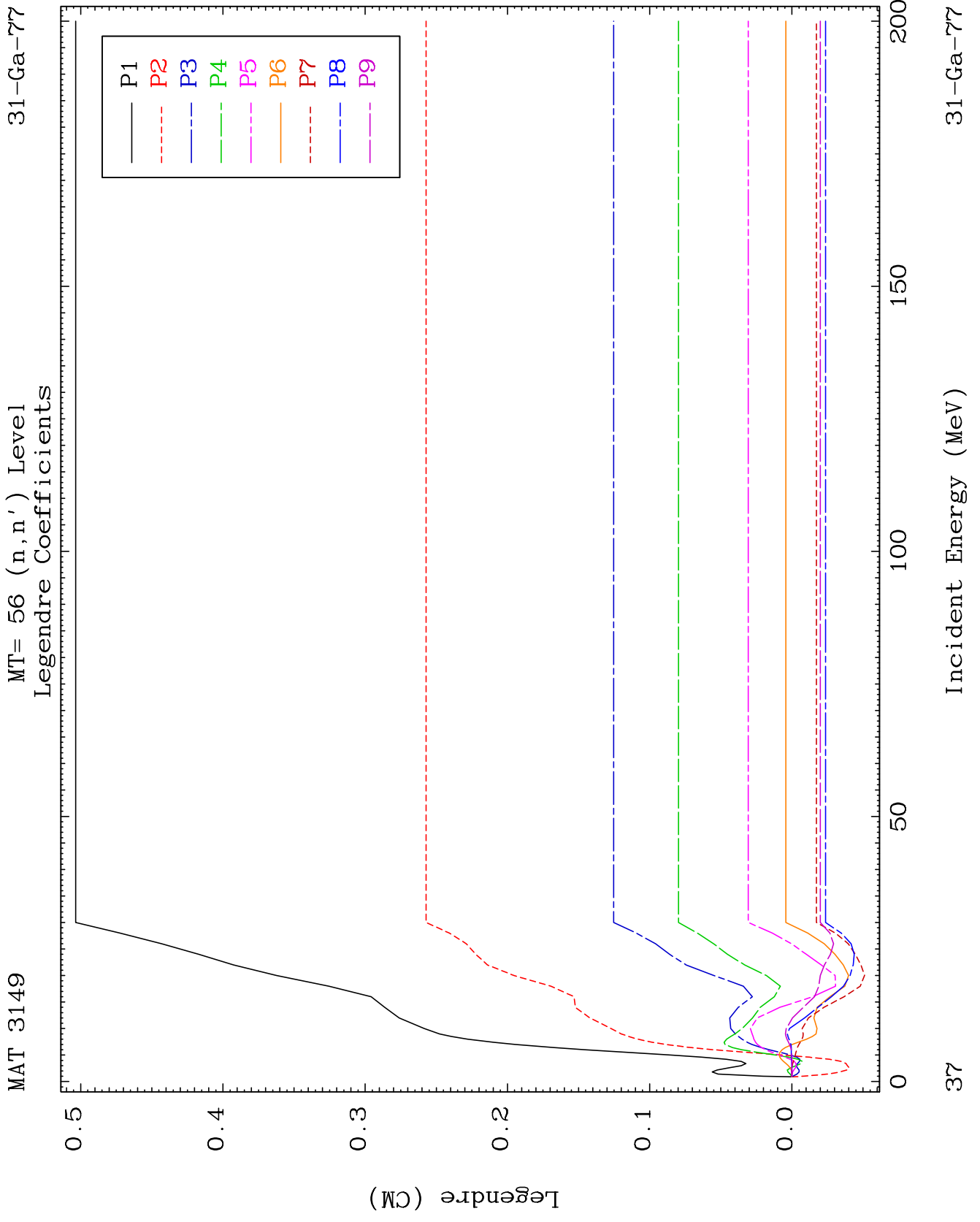
31-Ga-77



36

Incident Energy (MeV)

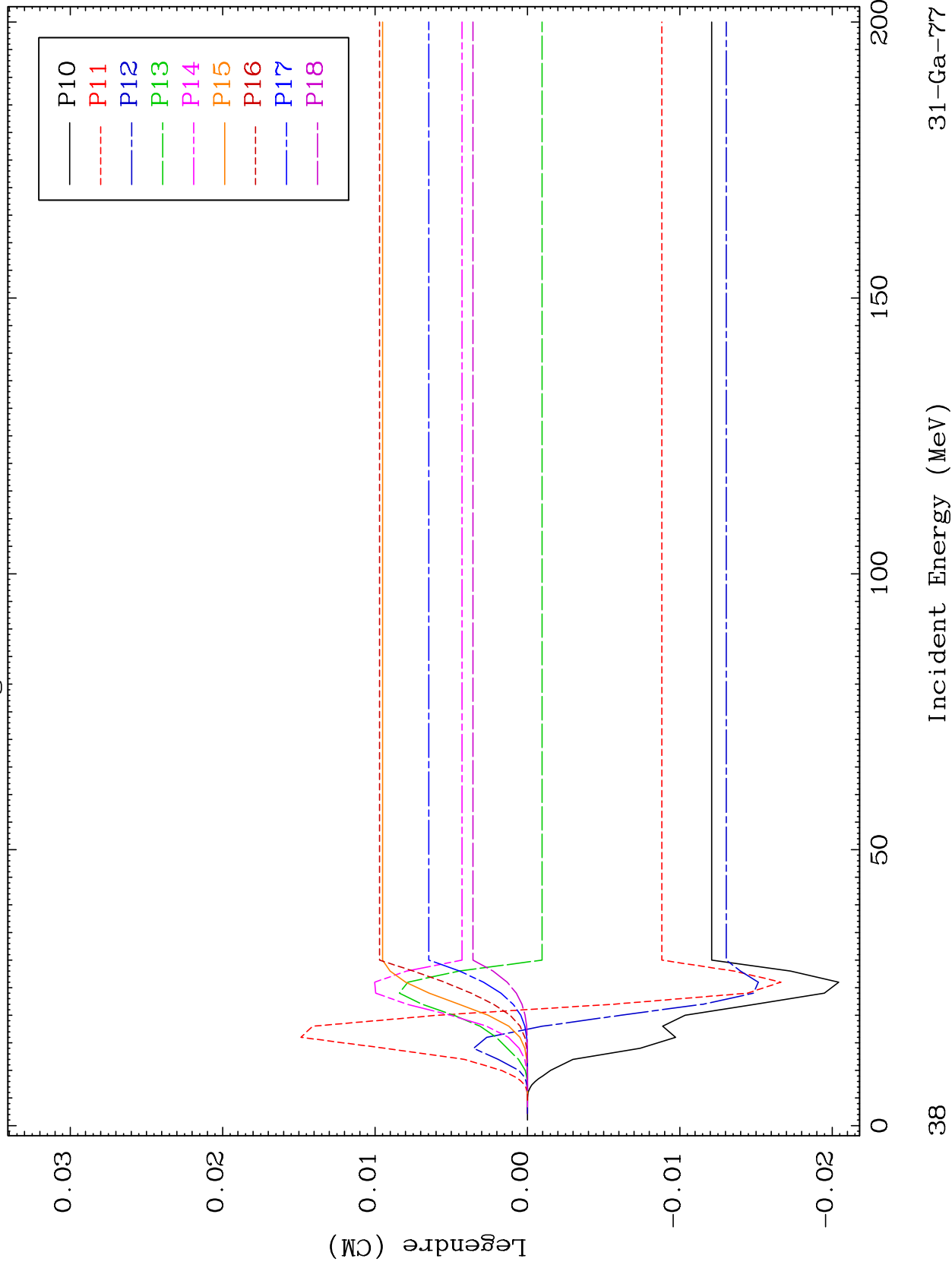
31-Ga-77



MAT 3149

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

31-Ga-77



31-Ga-77

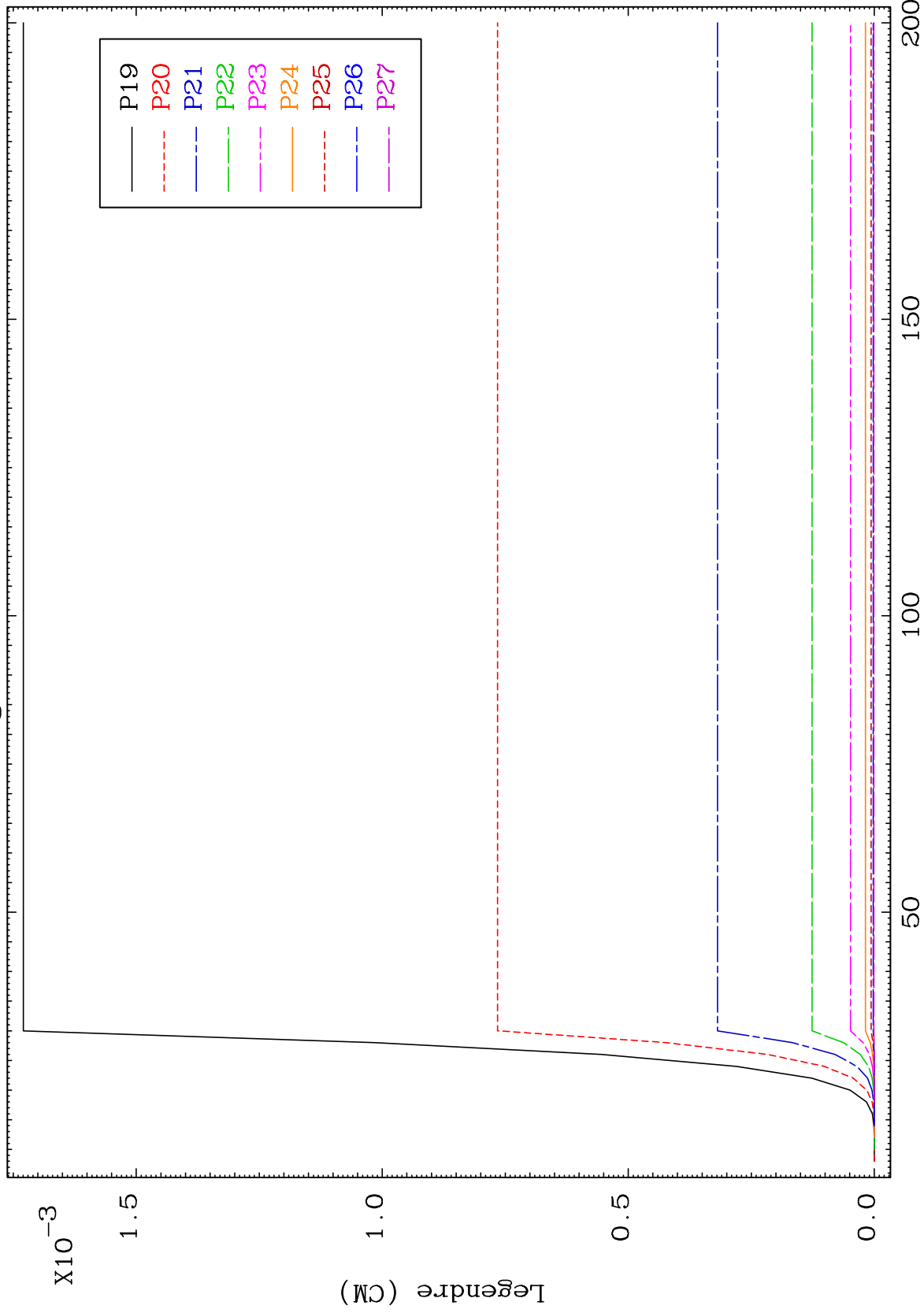
Incident Energy (MeV)

38

MAT 3149

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

31-Ga-77



39

Incident Energy (MeV)

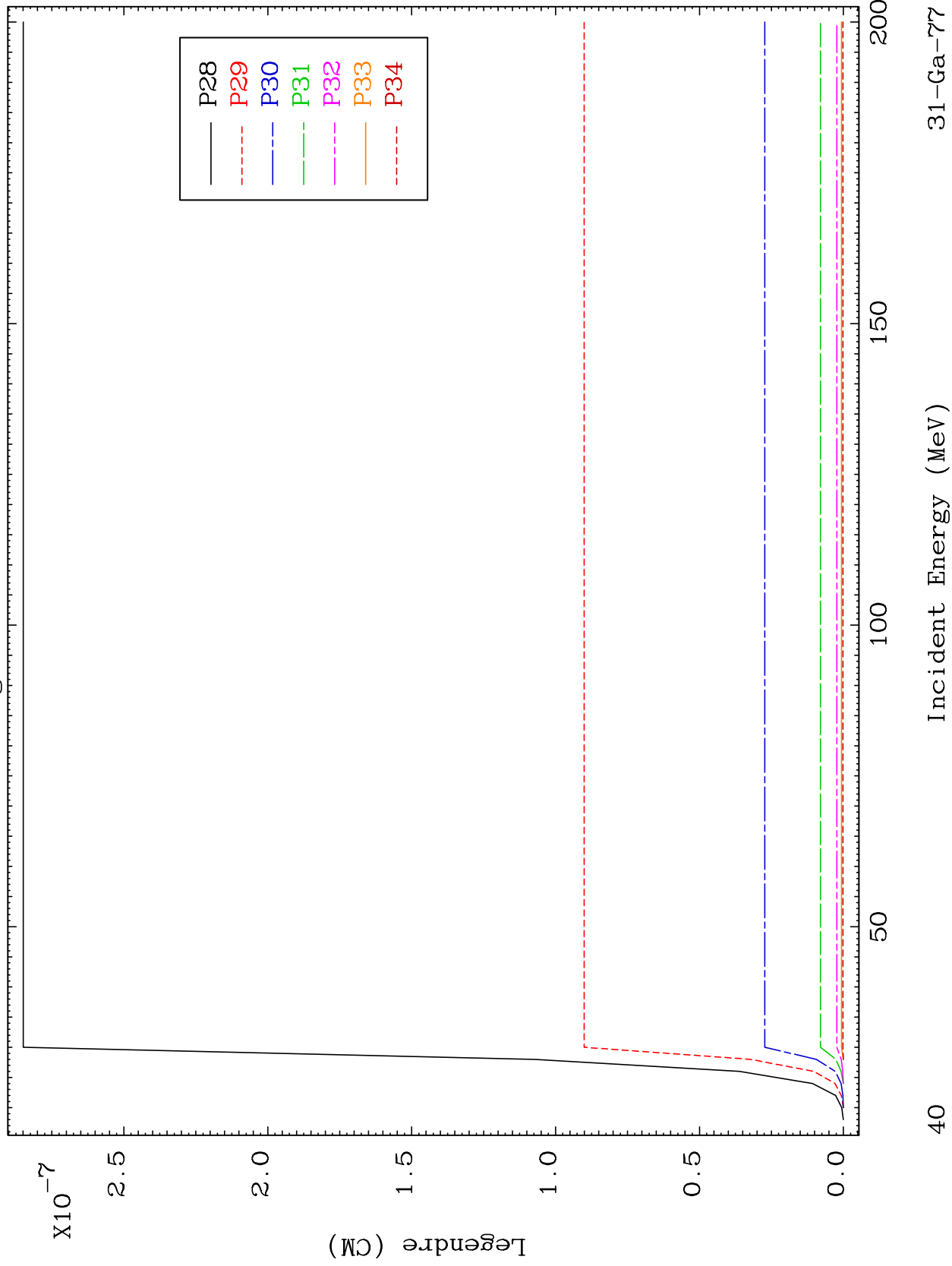
31-Ga-77



MAT 3149

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

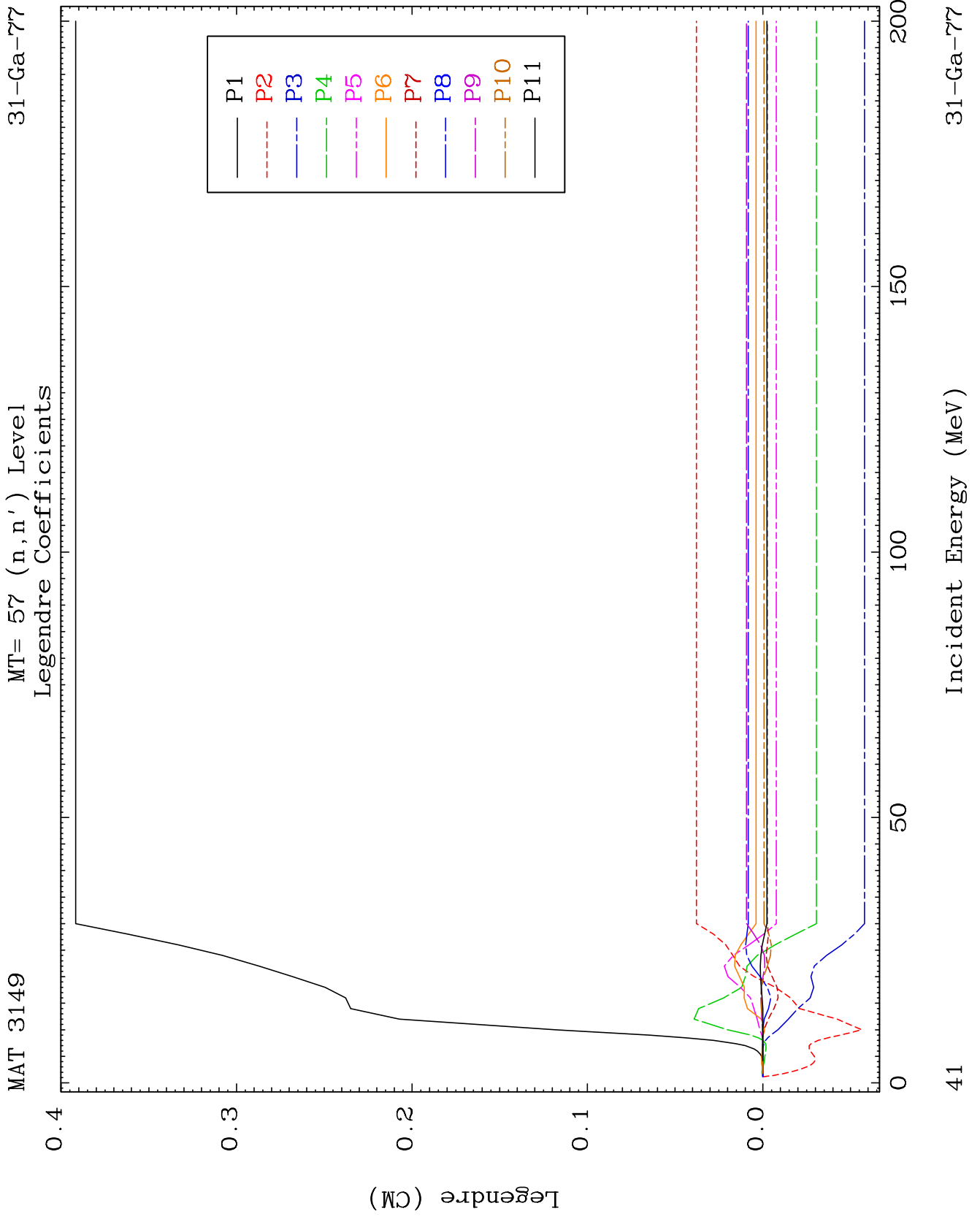
31-Ga-77



31-Ga-77

Incident Energy (MeV)

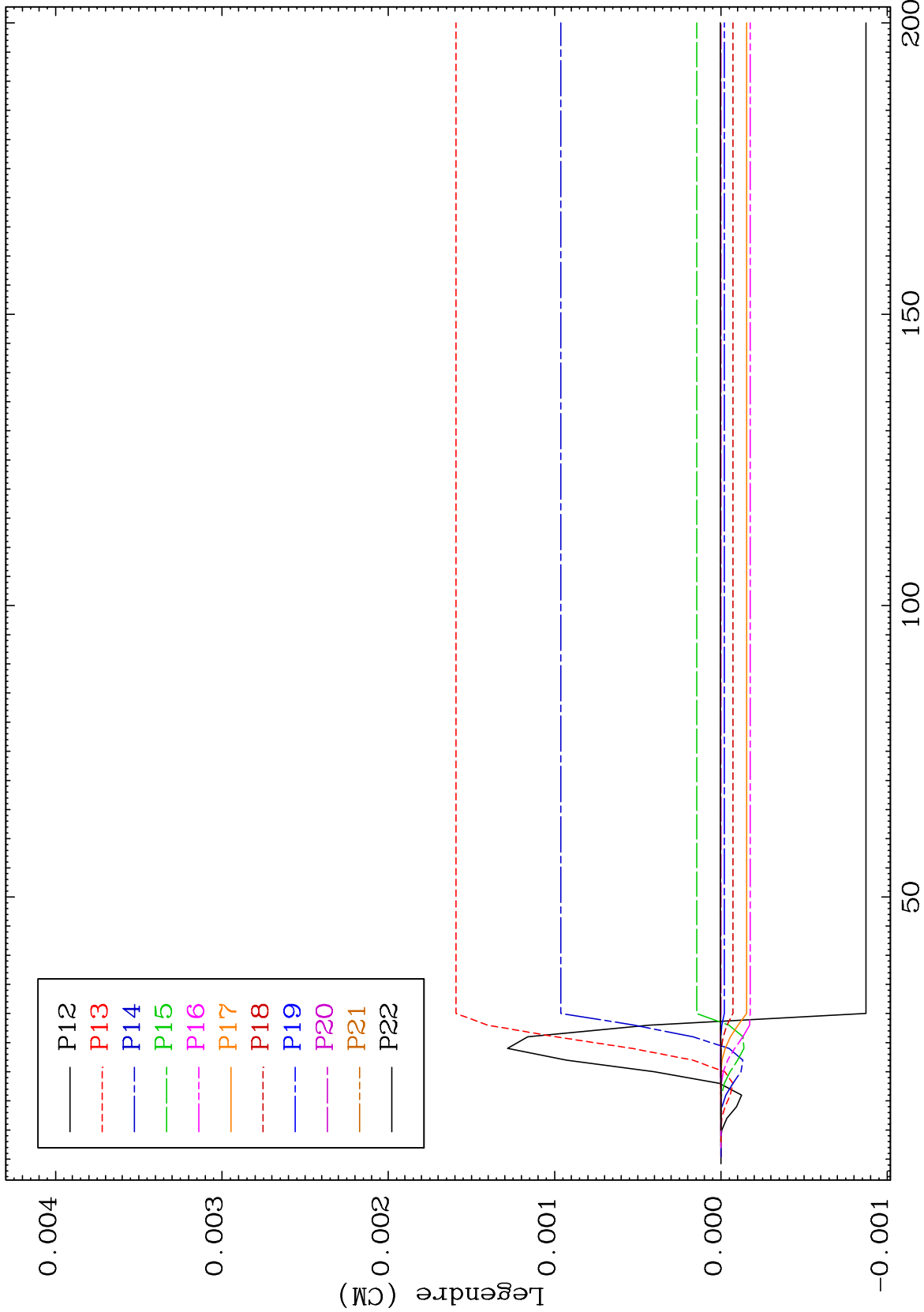
40



MAT 3149

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

31-Ga-77



42

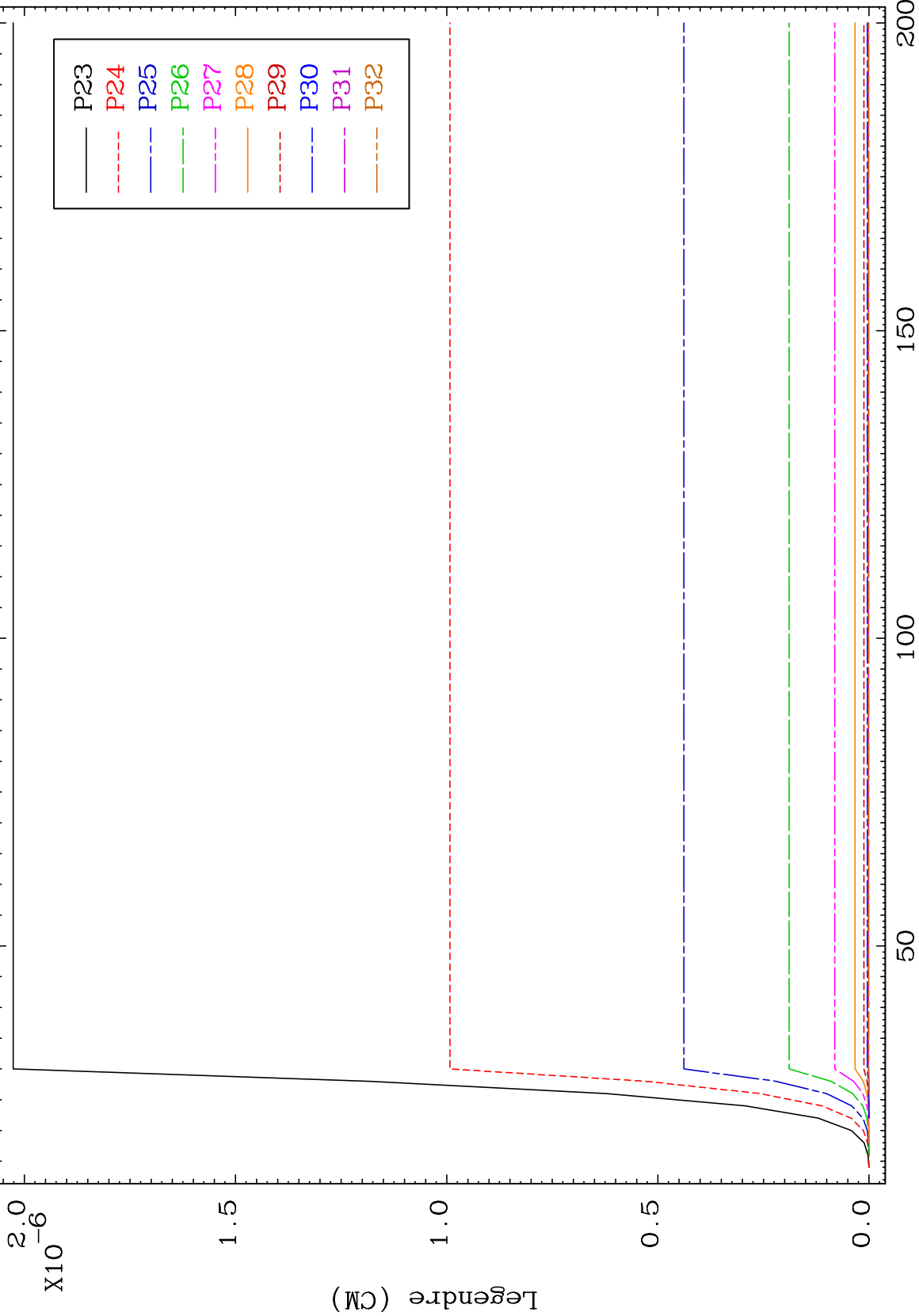
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



43

Incident Energy (MeV)

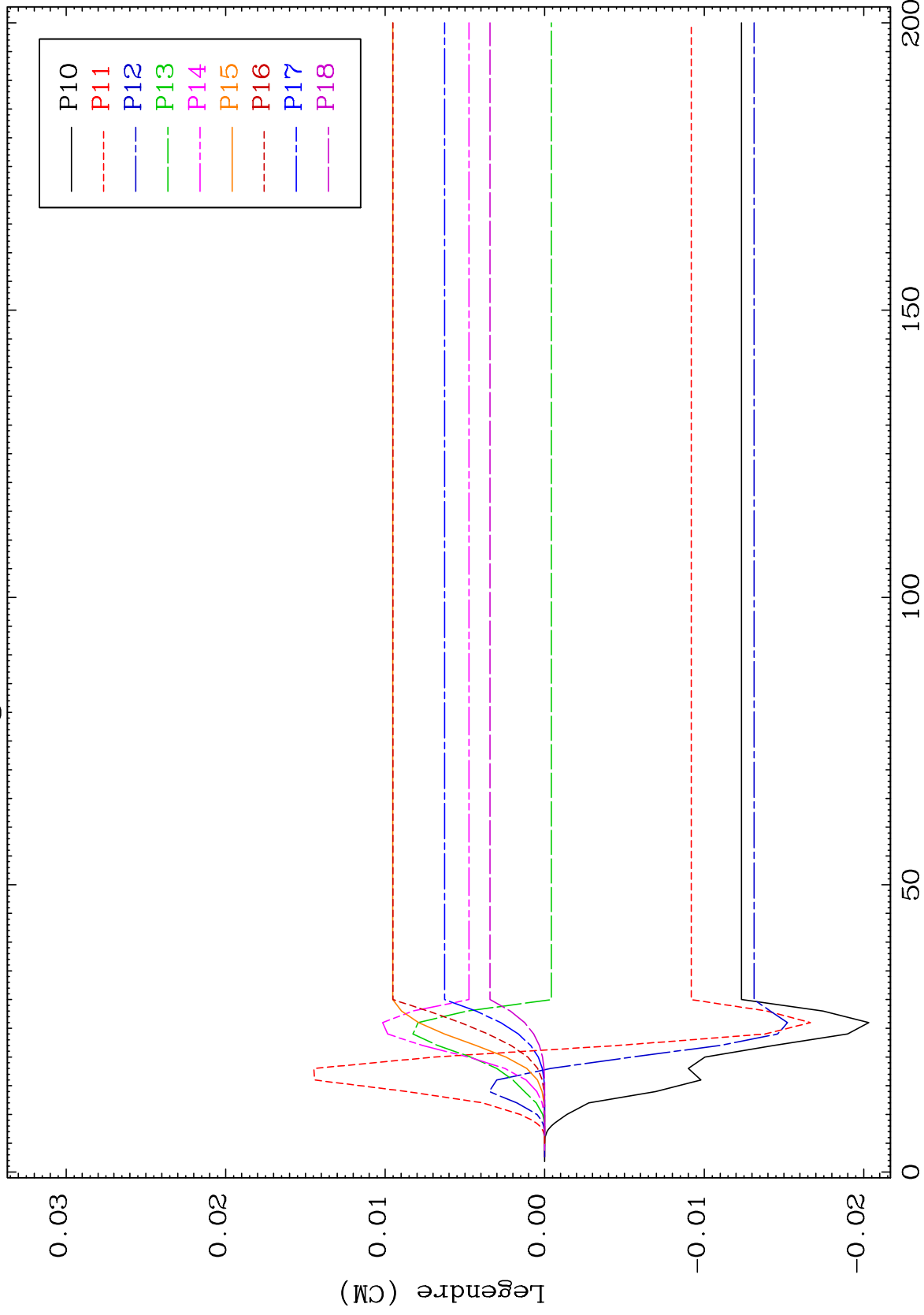
31-Ga-77



MAT 3149

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

<sup>31</sup>Ga-77



45

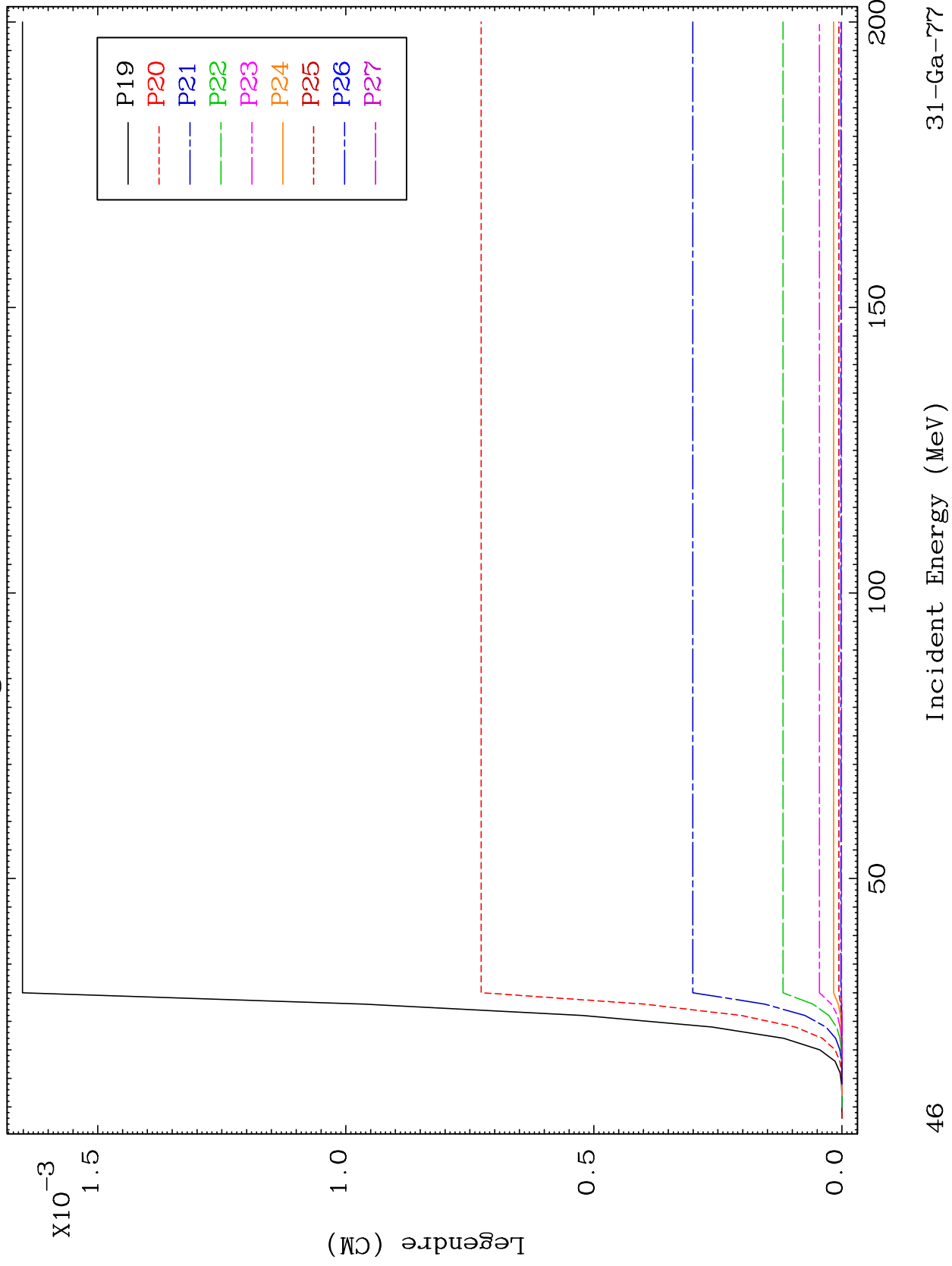
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

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

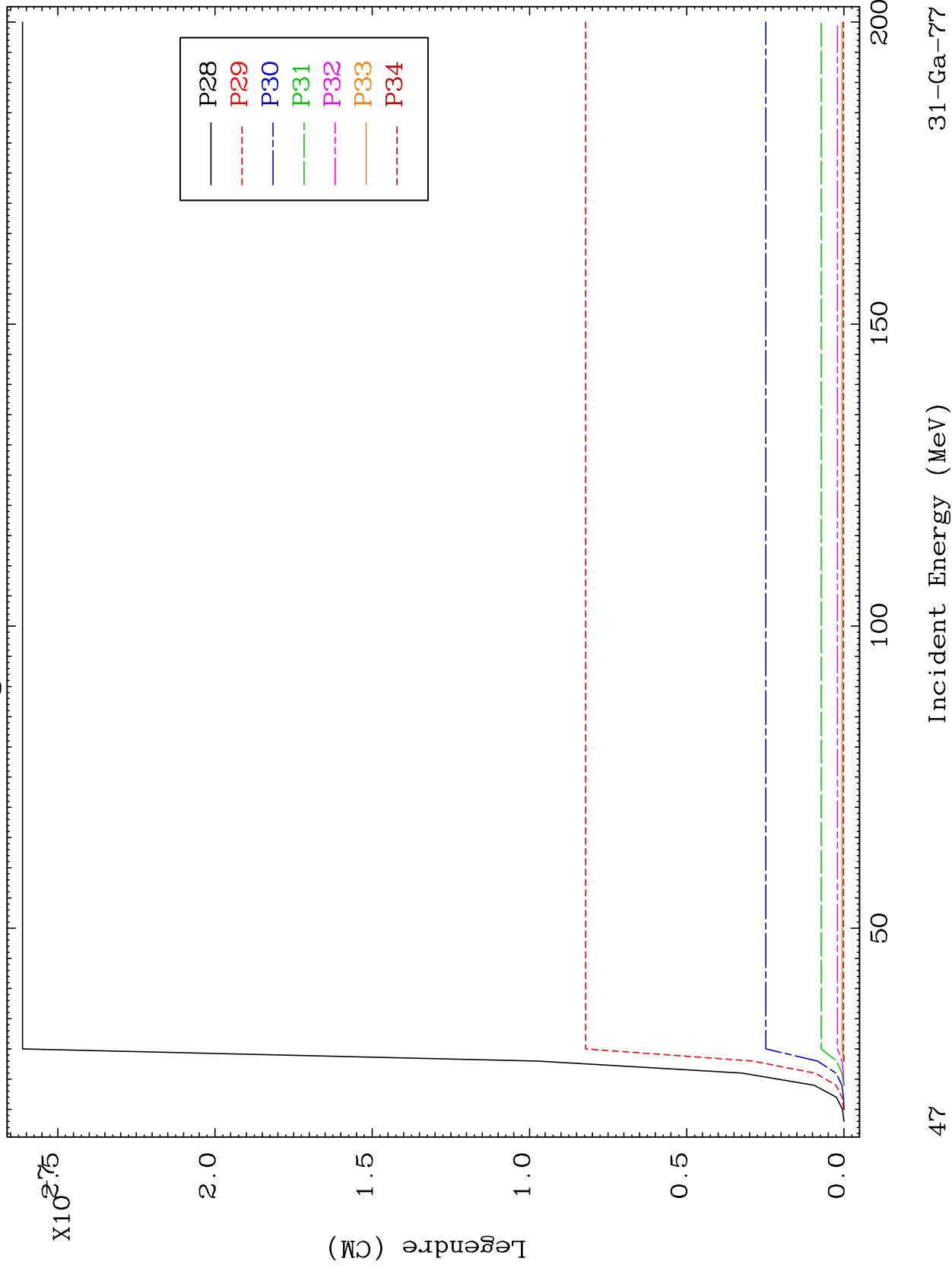
31-Ga-77



MAT 3149

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

31-Ga-77

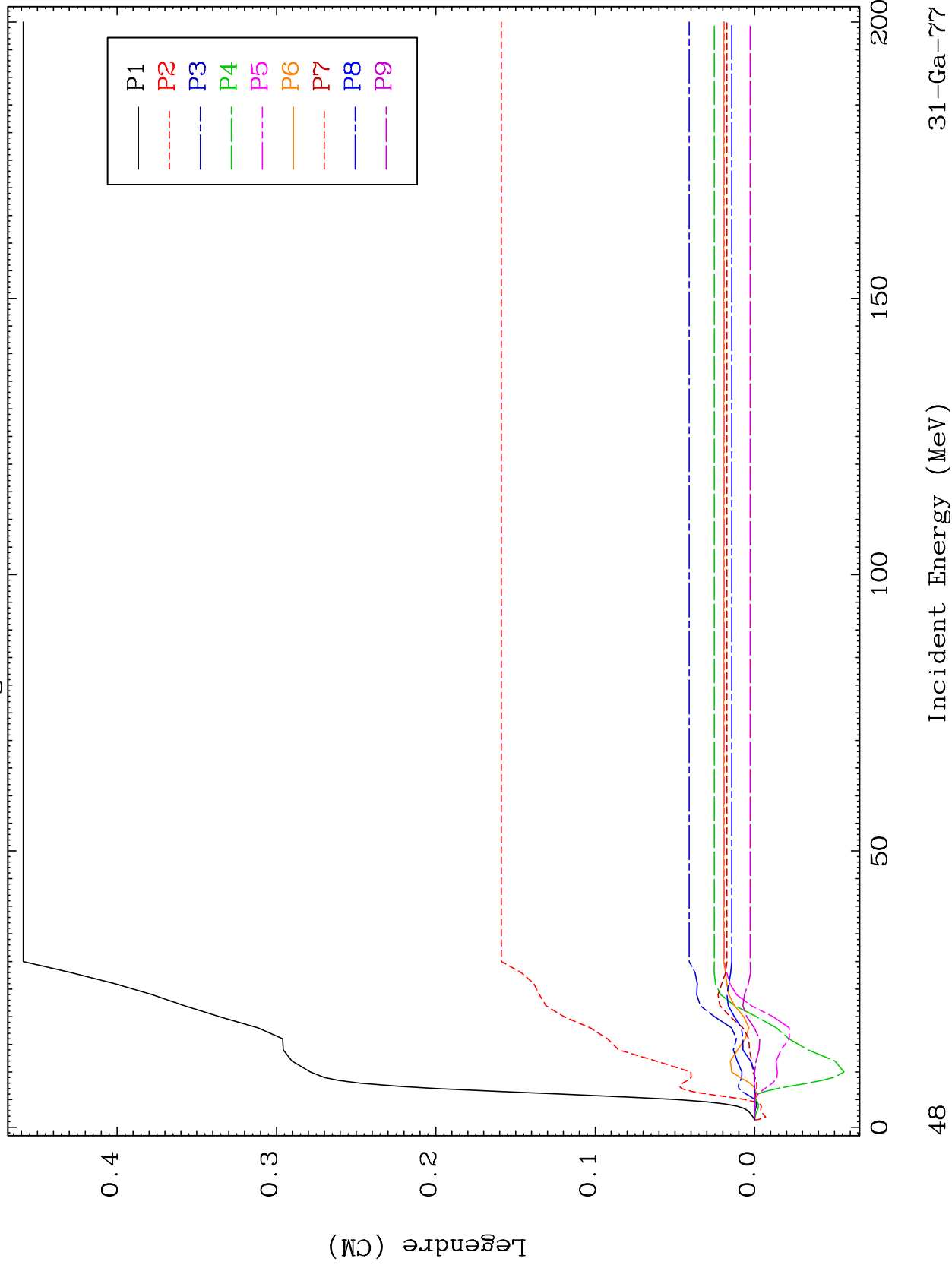




MAT 3149

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

31-Ga-77



31-Ga-77

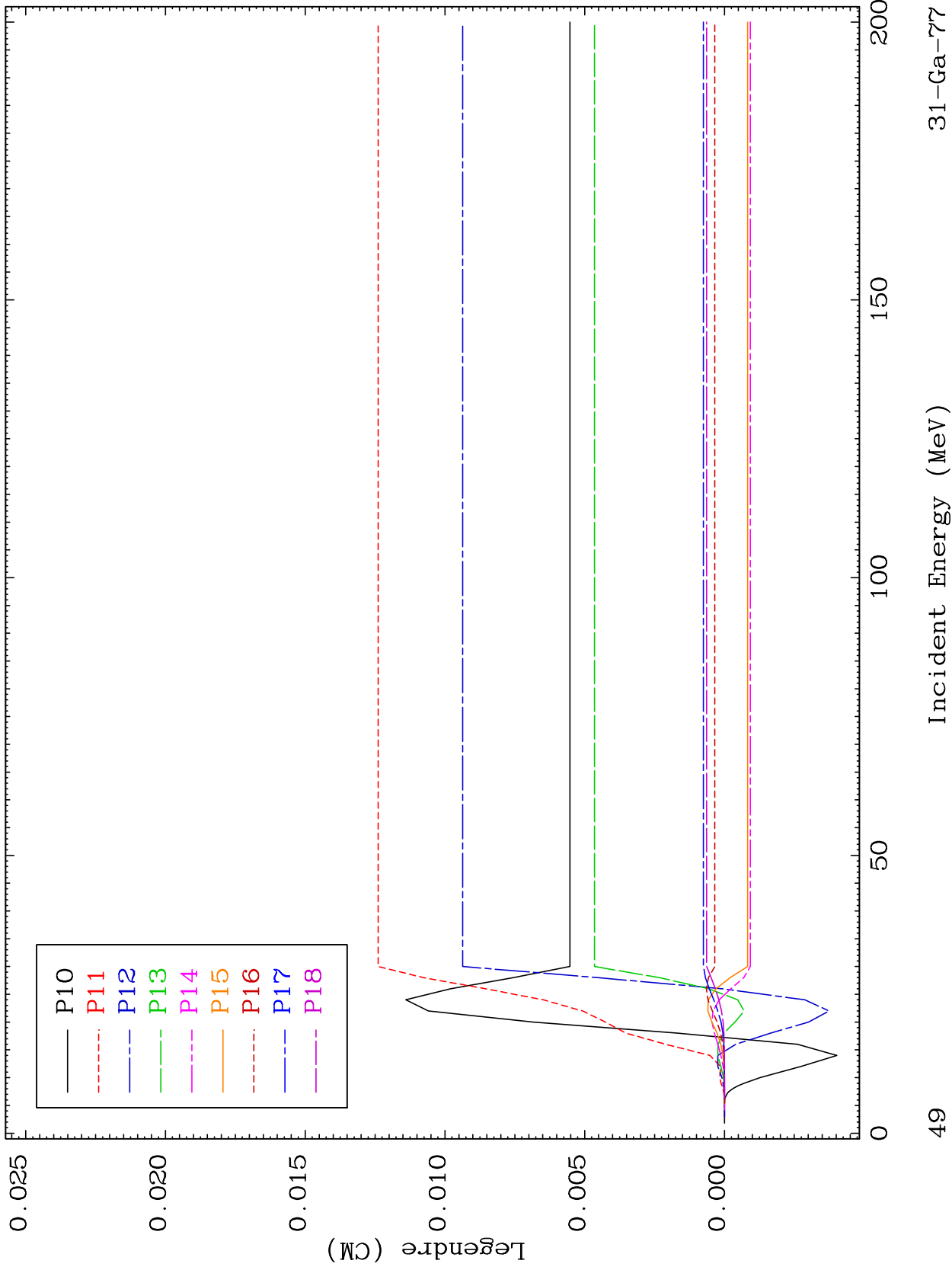
Incident Energy (MeV)

48

MAT 3149

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

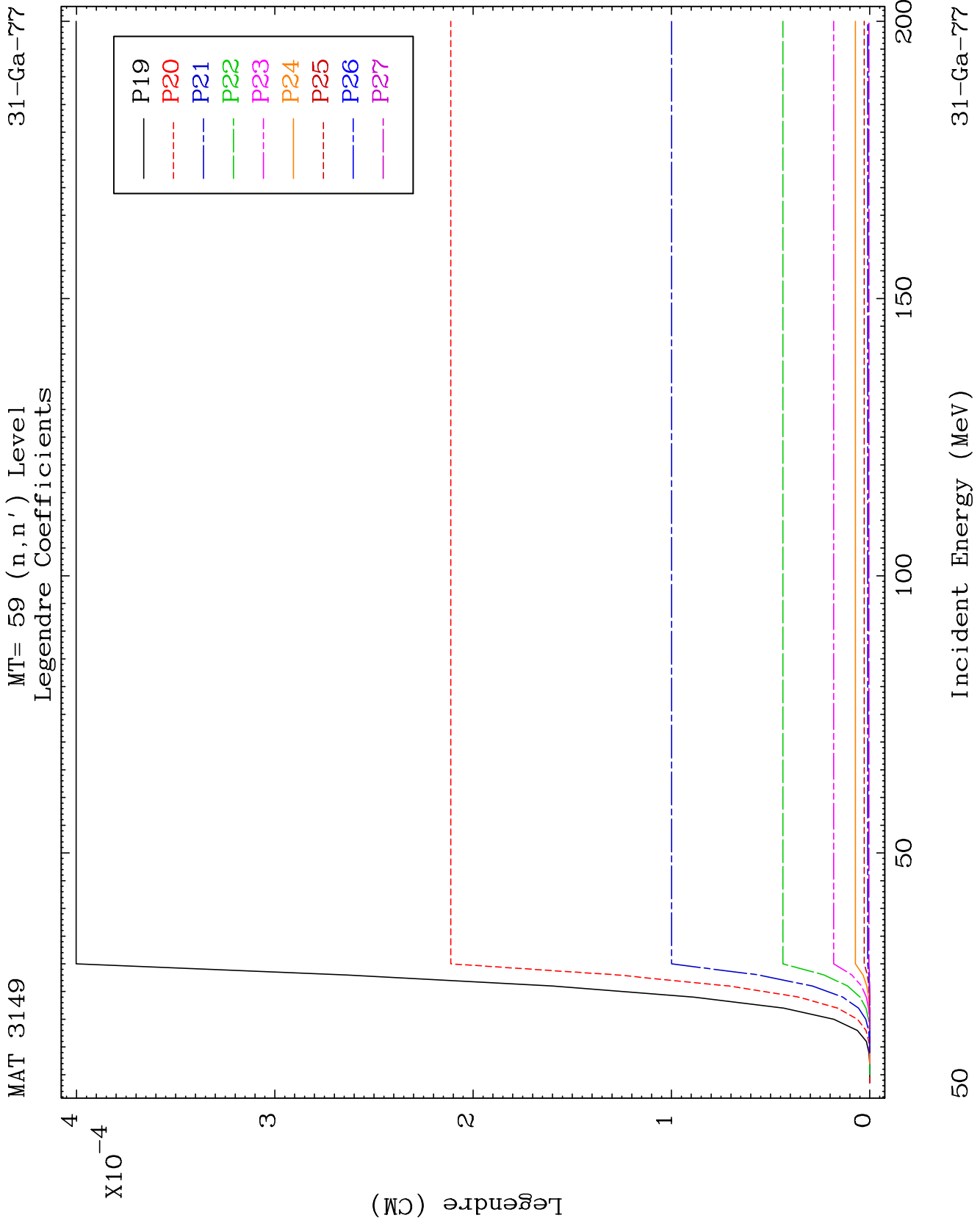
31-Ga-77



31-Ga-77

Incident Energy (MeV)

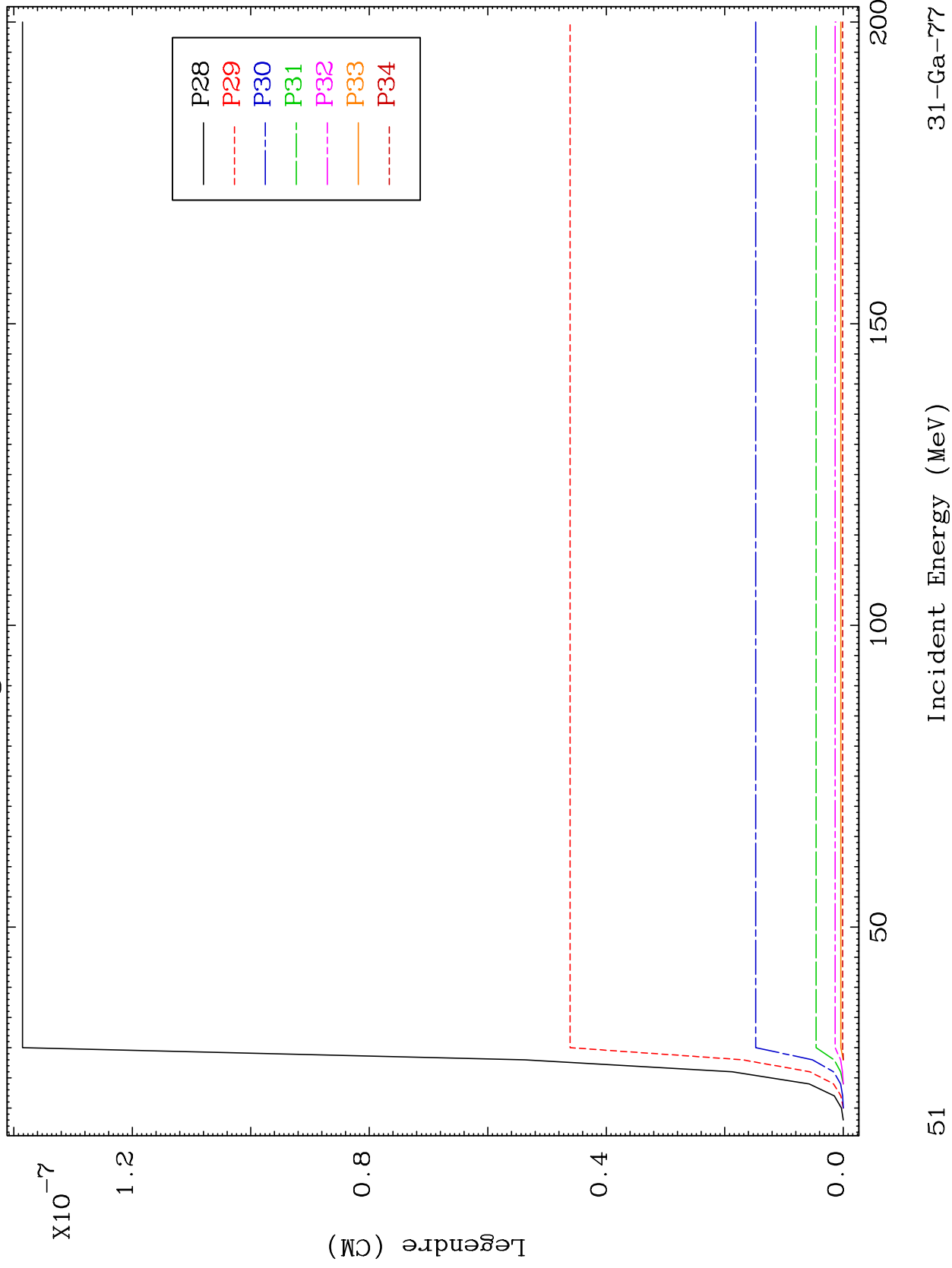
49



MAT 3149

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

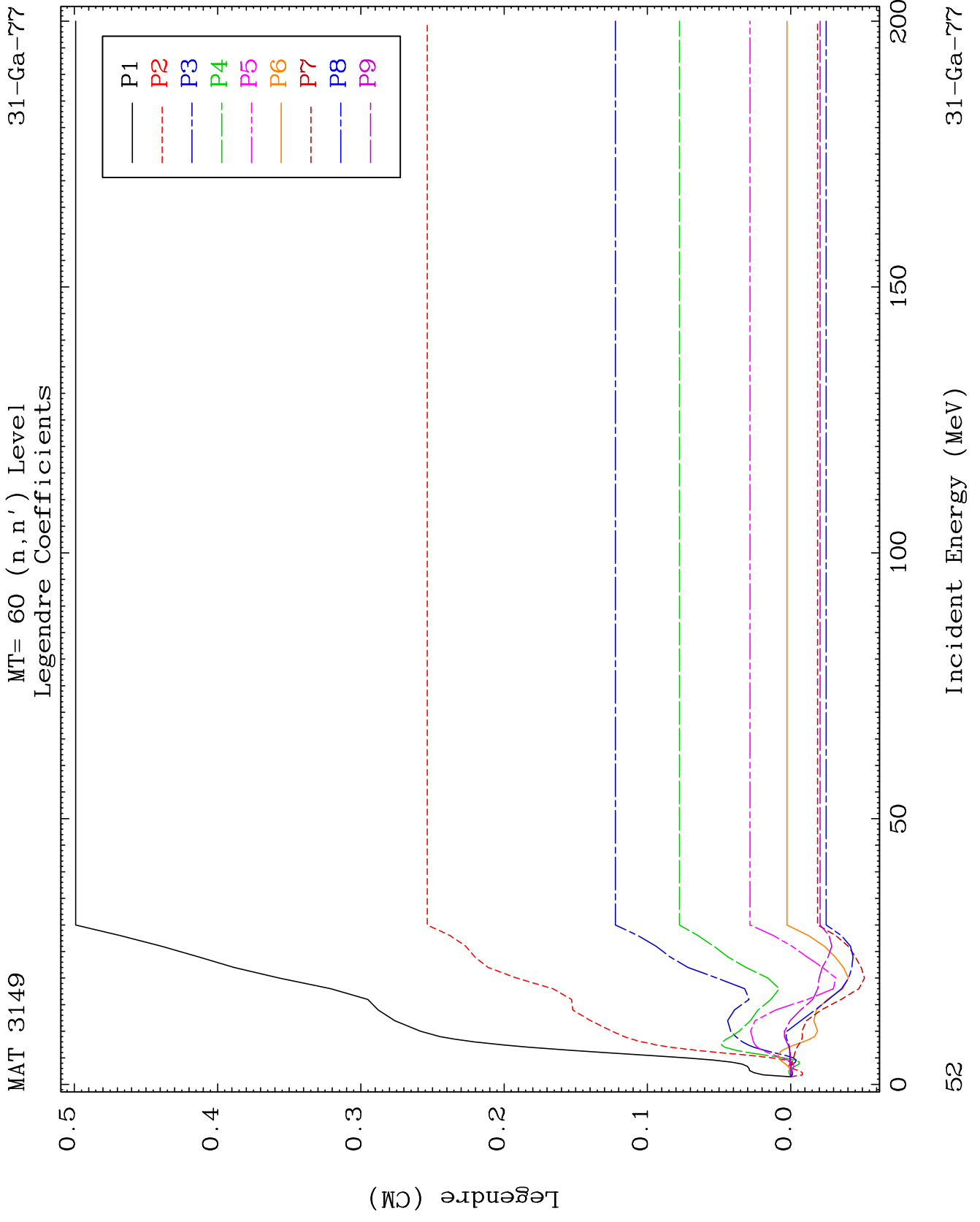
31-Ga-77



51

Incident Energy (MeV)

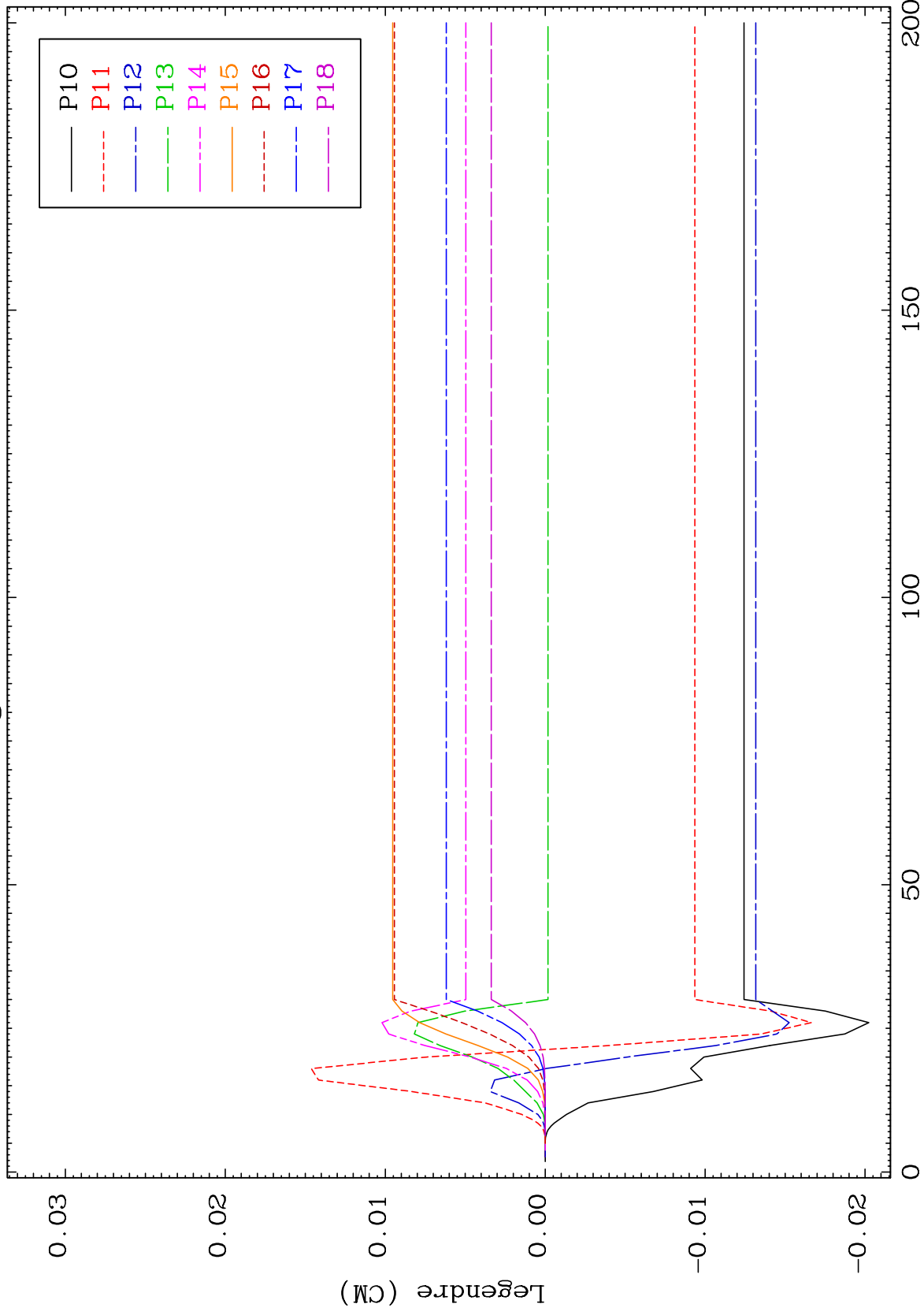
31-Ga-77



MAT 3149

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

<sup>31</sup>Ga-77



53

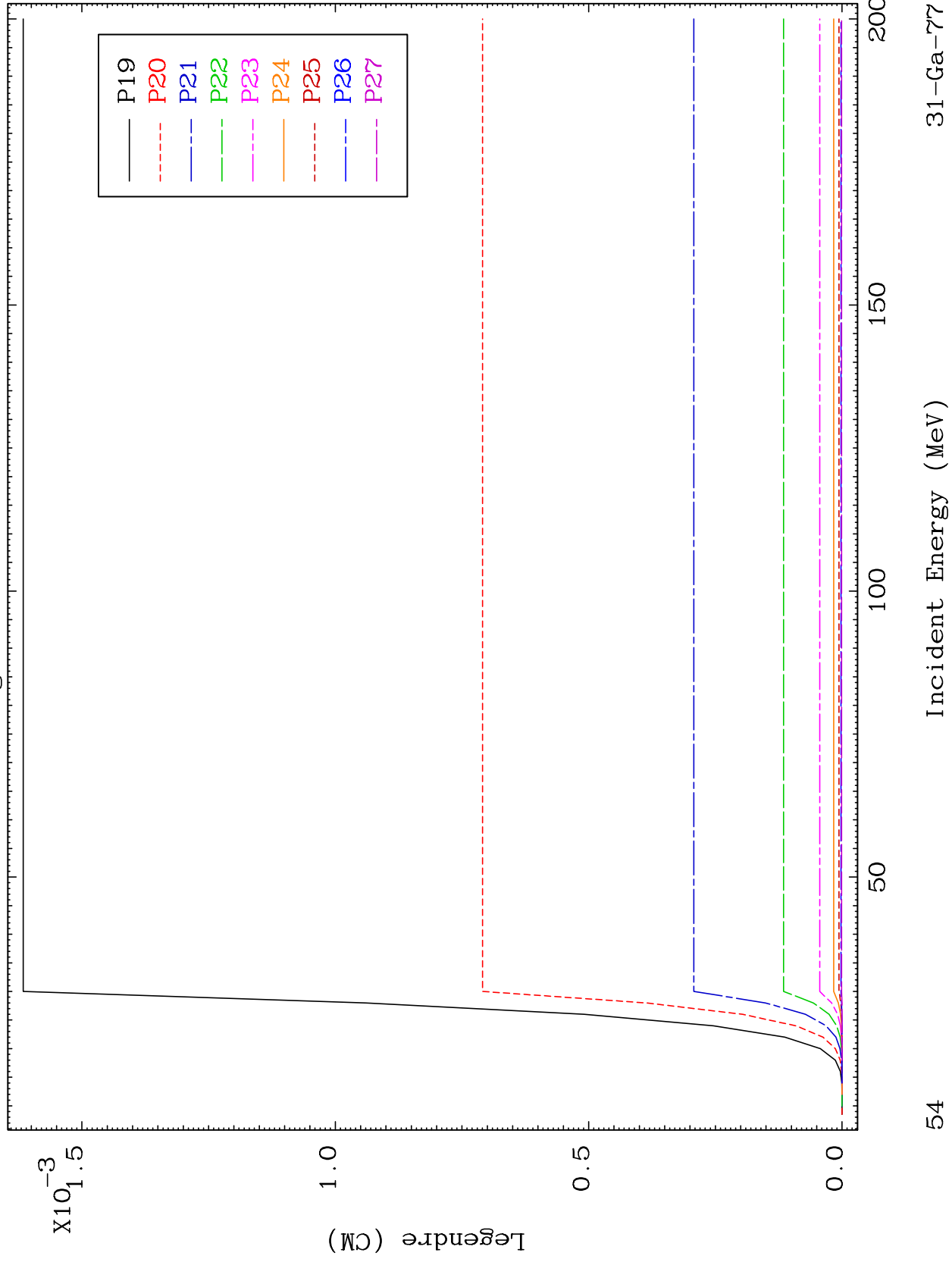
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

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

31-Ga-77



54

31-Ga-77

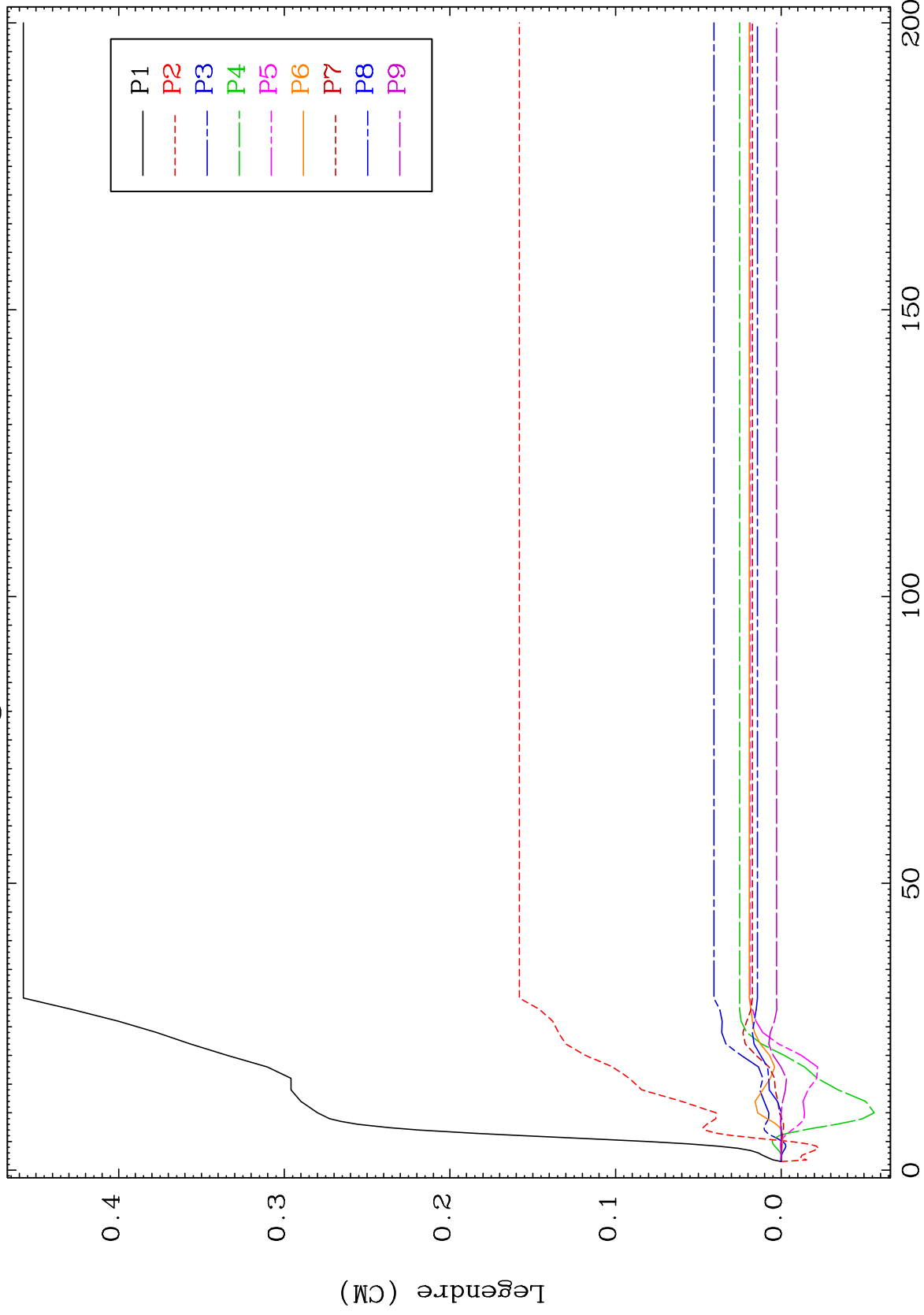




MAT 3149

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

31-Ga-77



56

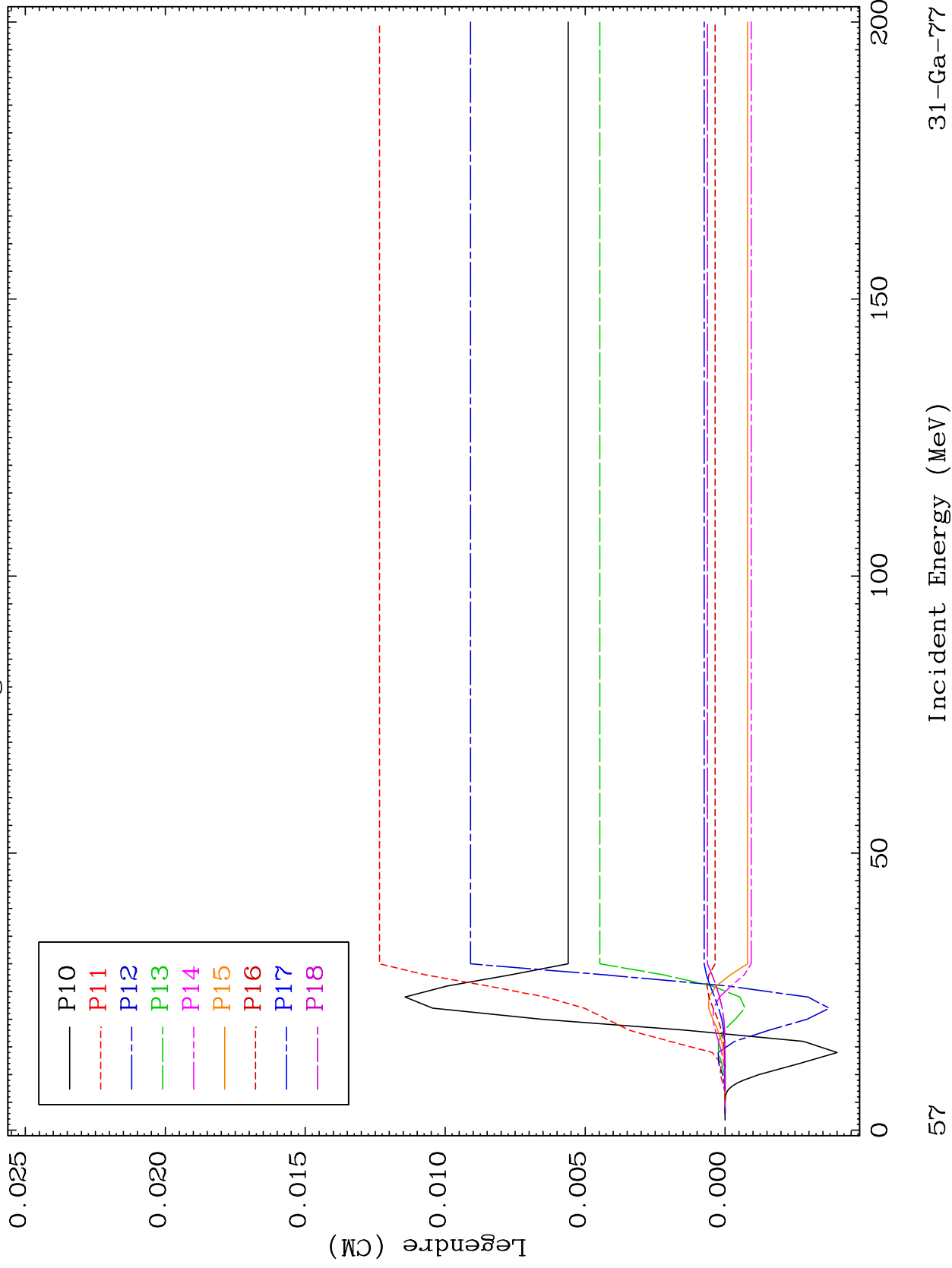
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



57

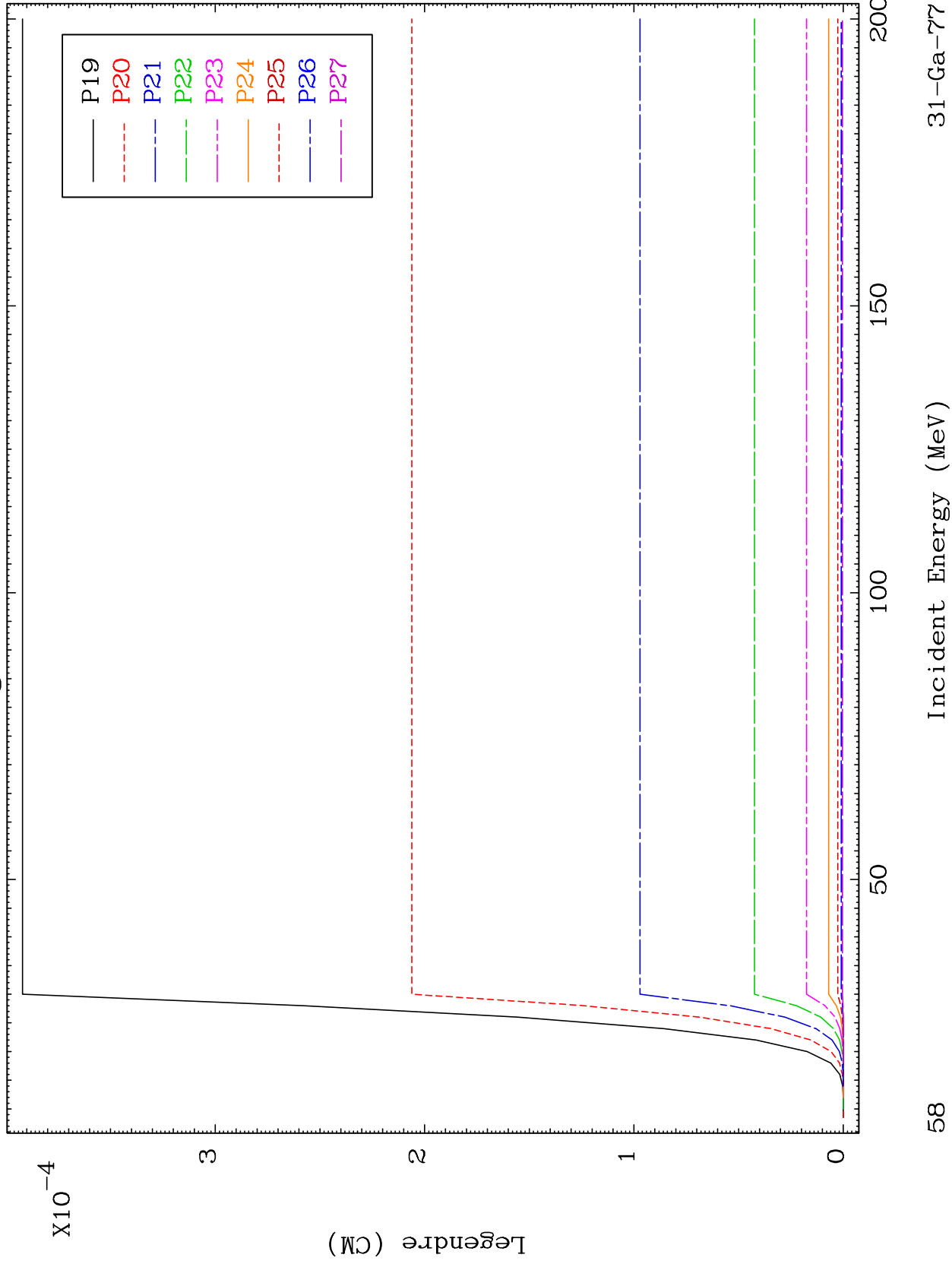
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



58

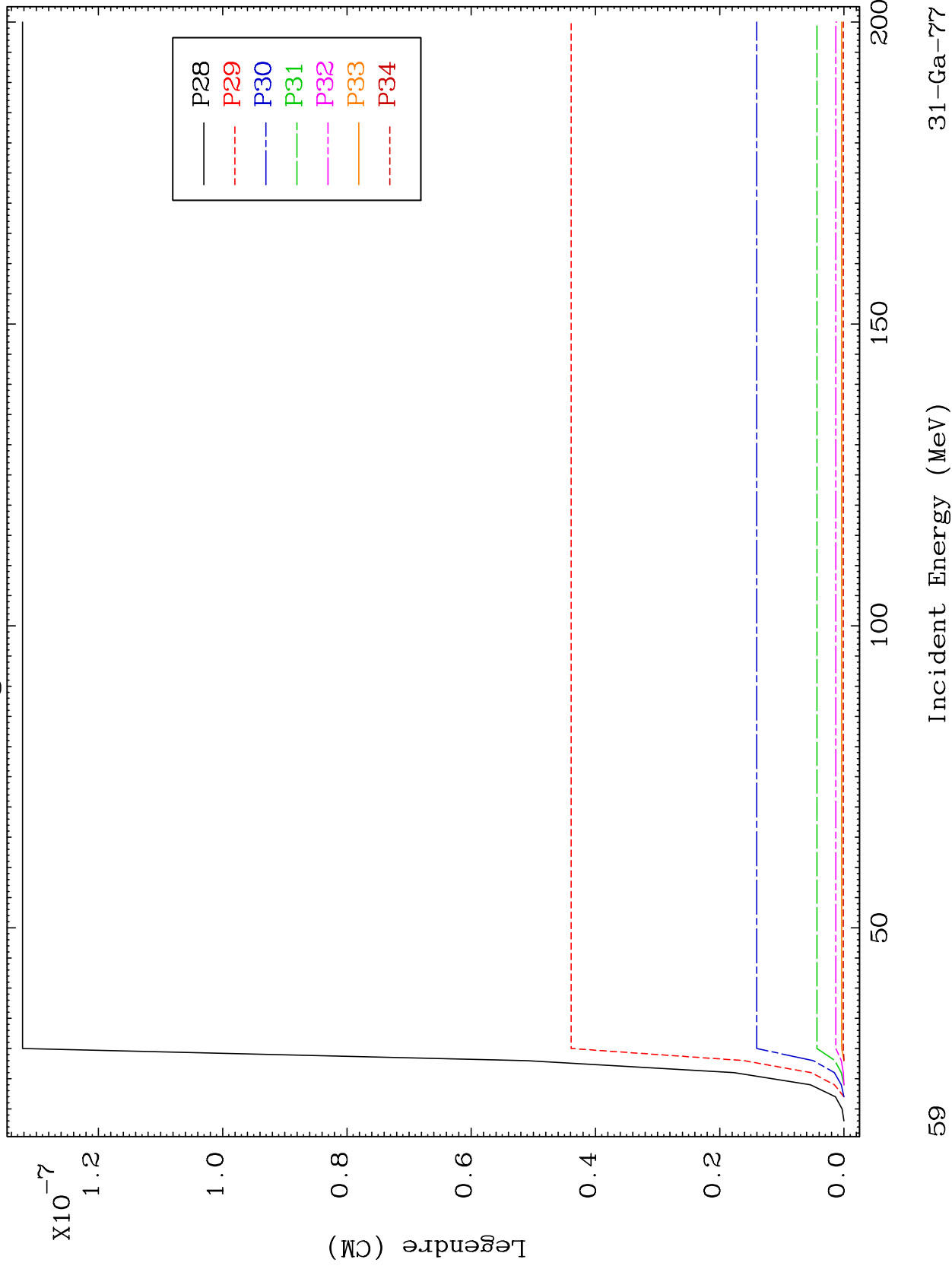
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



59

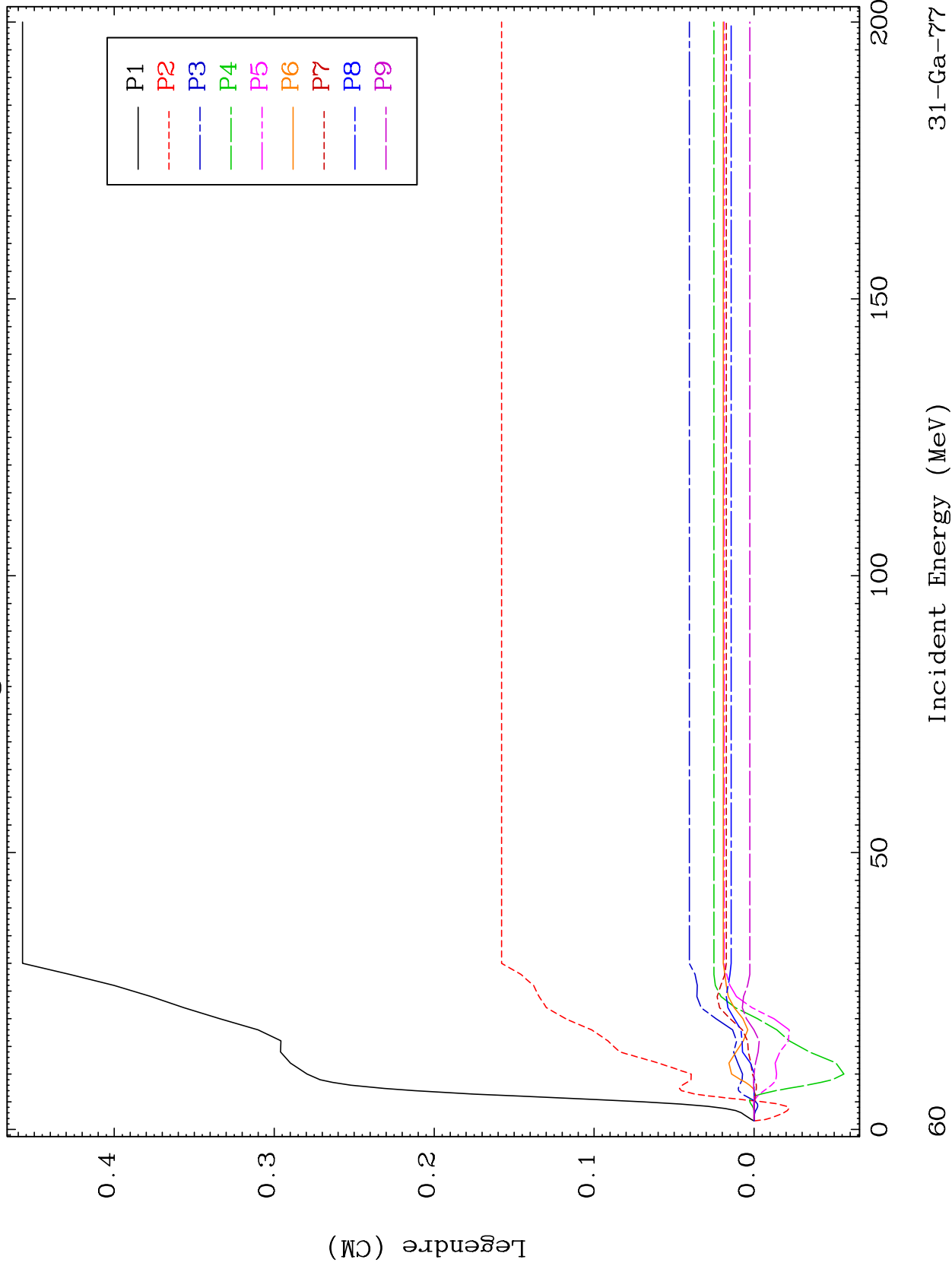
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77

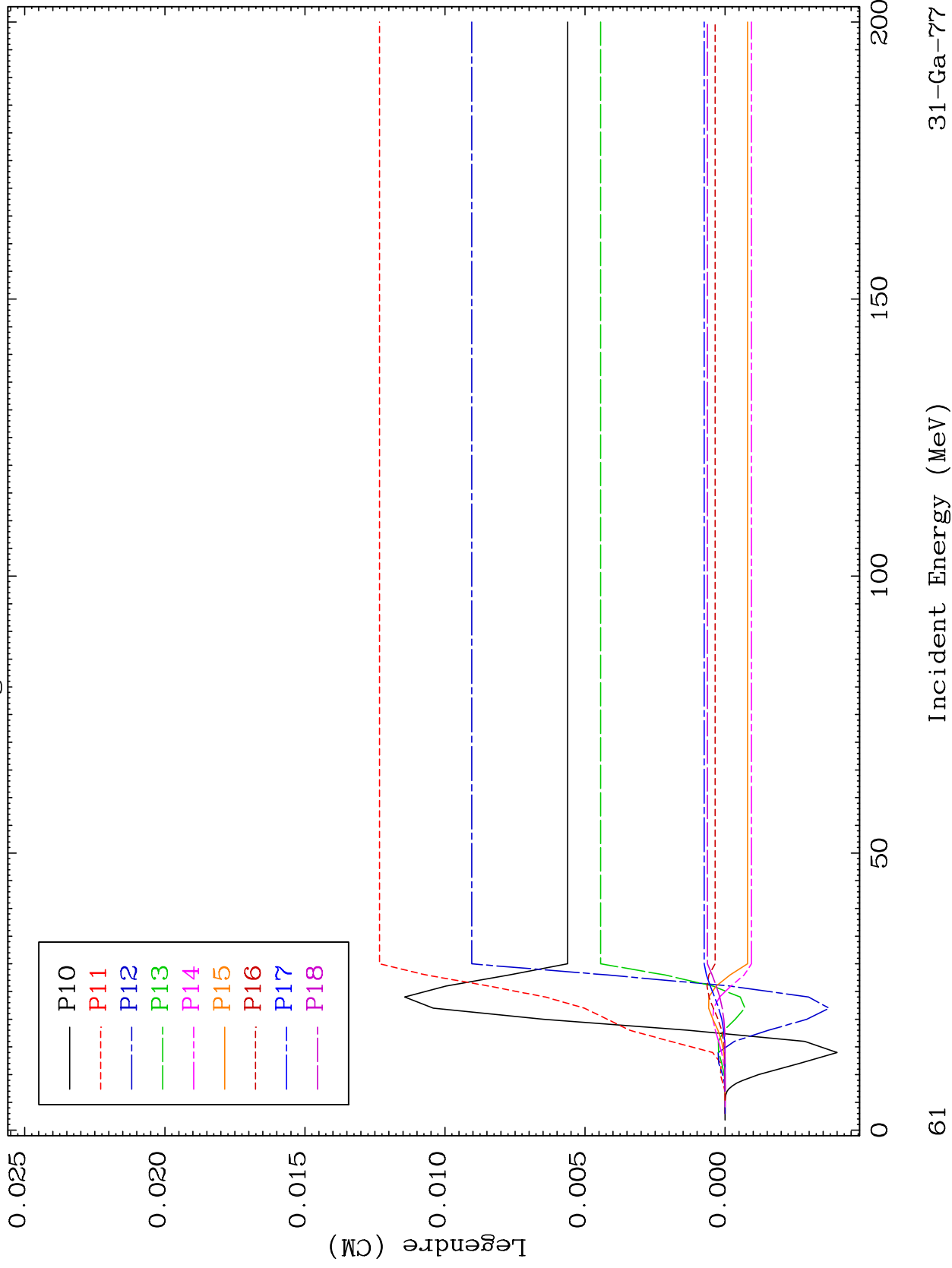


31-Ga-77

MAT 3149

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

31-Ga-77



61

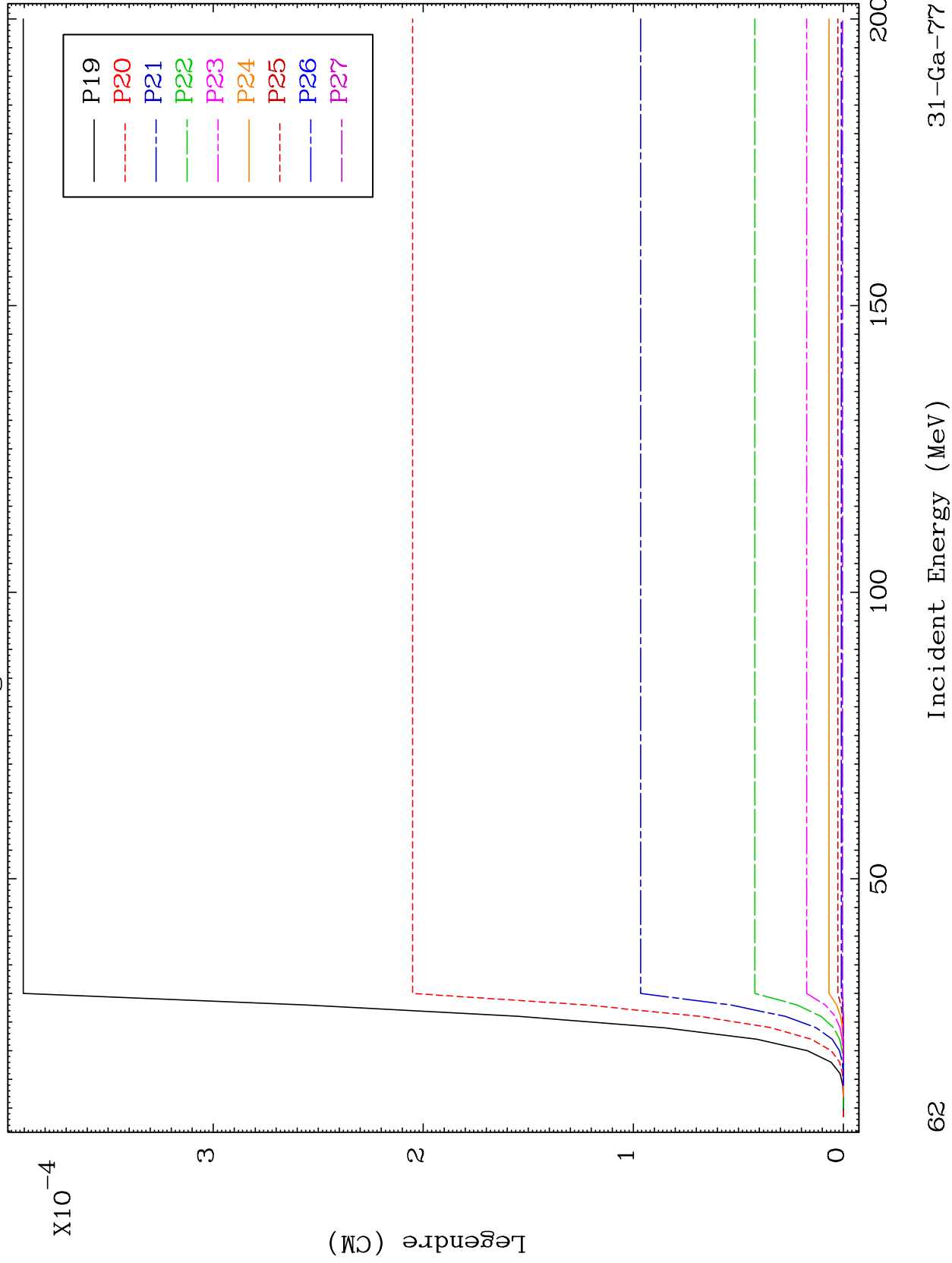
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

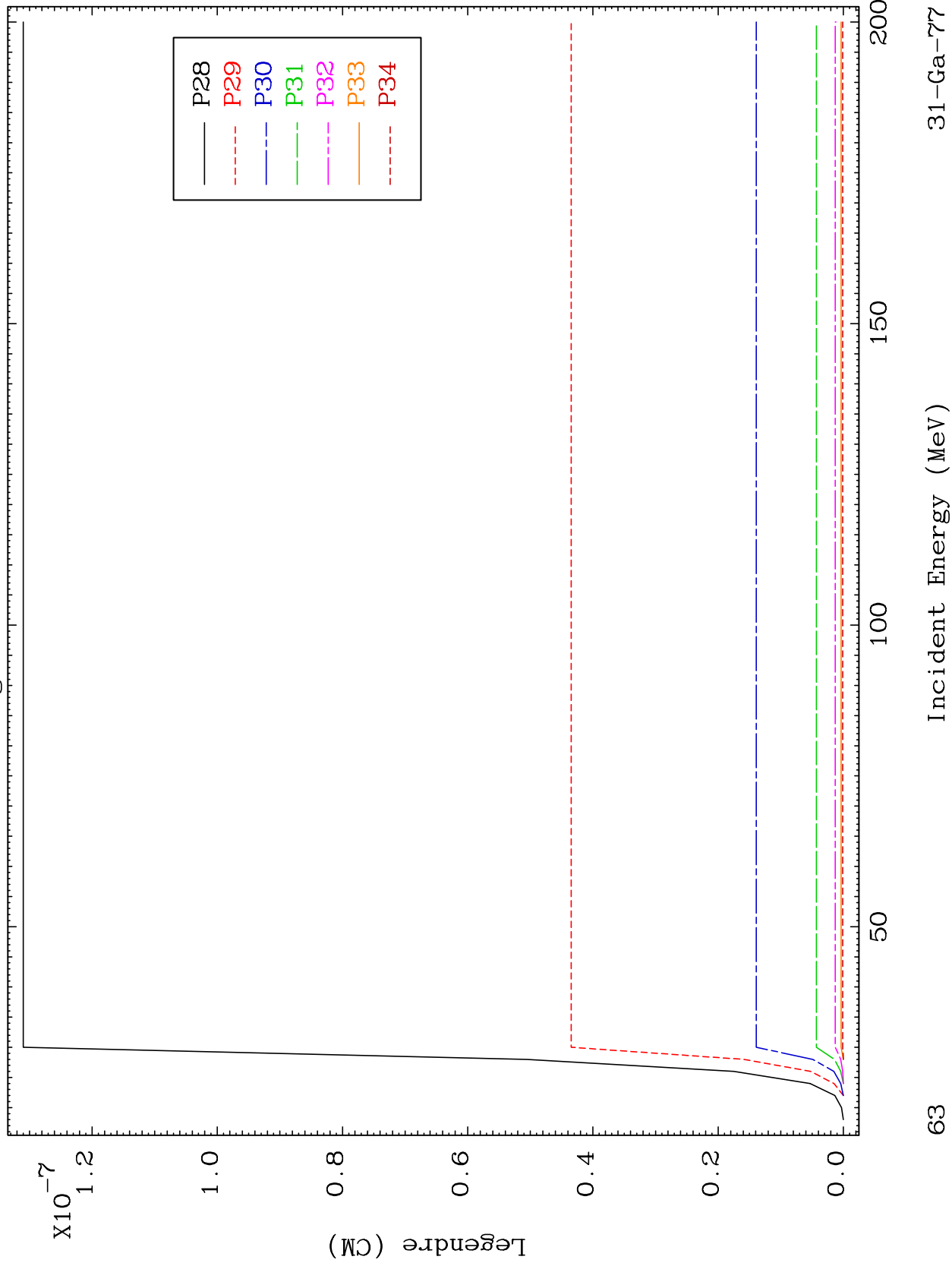
31-Ga-77



MAT 3149

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

31-Ga-77



63

Incident Energy (MeV)

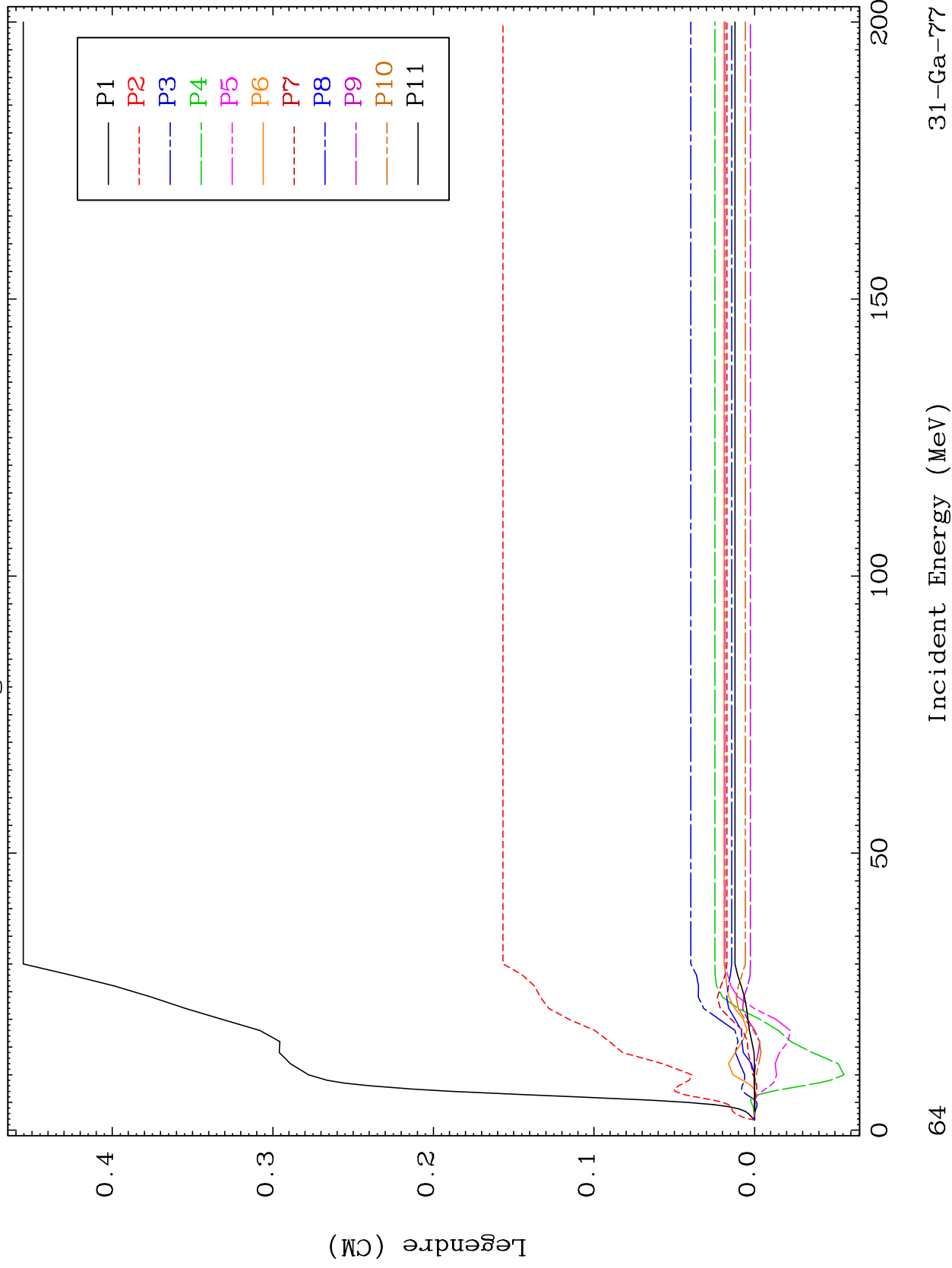
31-Ga-77



MAT 3149

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

<sup>31</sup>Ga-77



<sup>31</sup>Ga-77

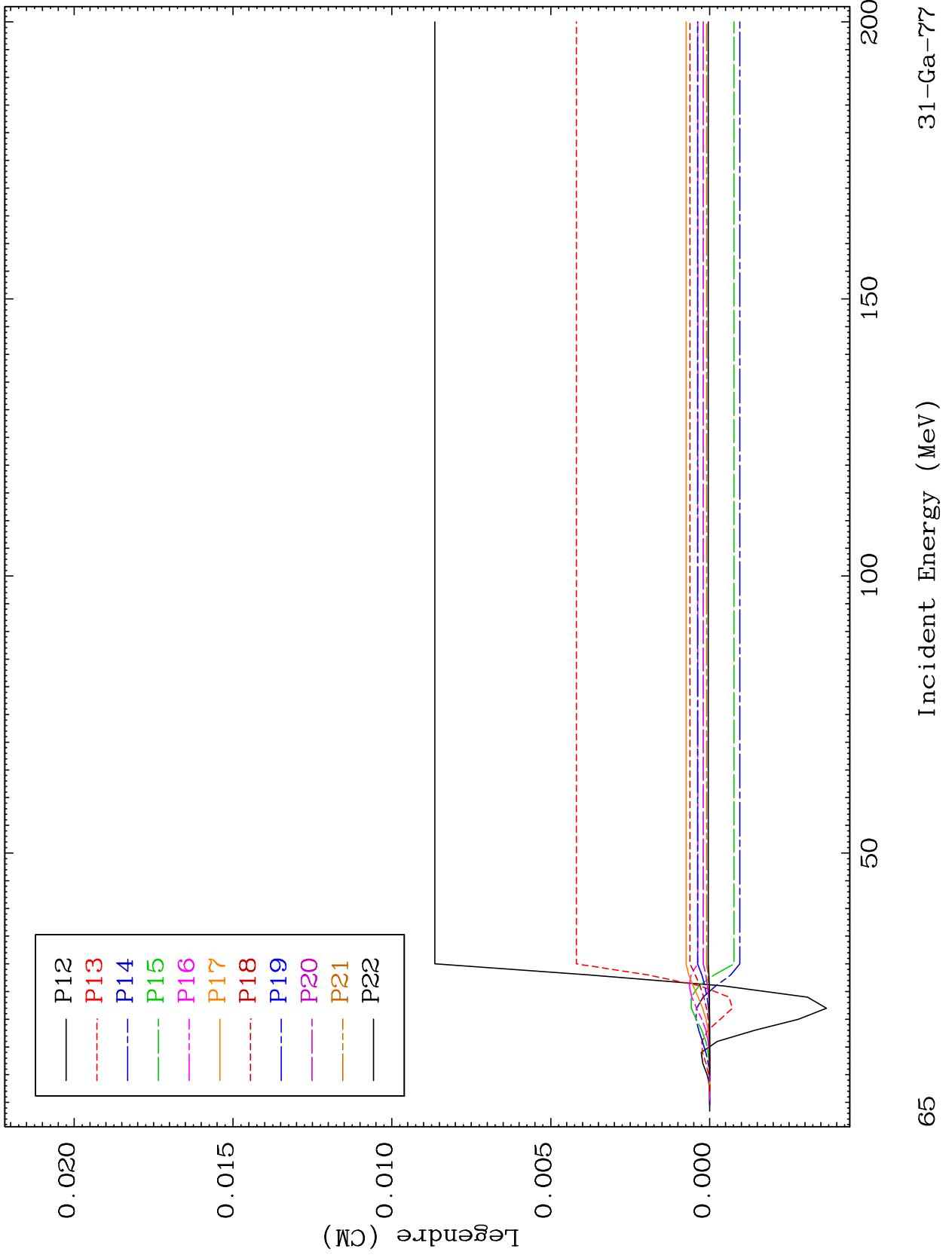
Incident Energy (MeV)

64

MAT 3149

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

31-Ga-77



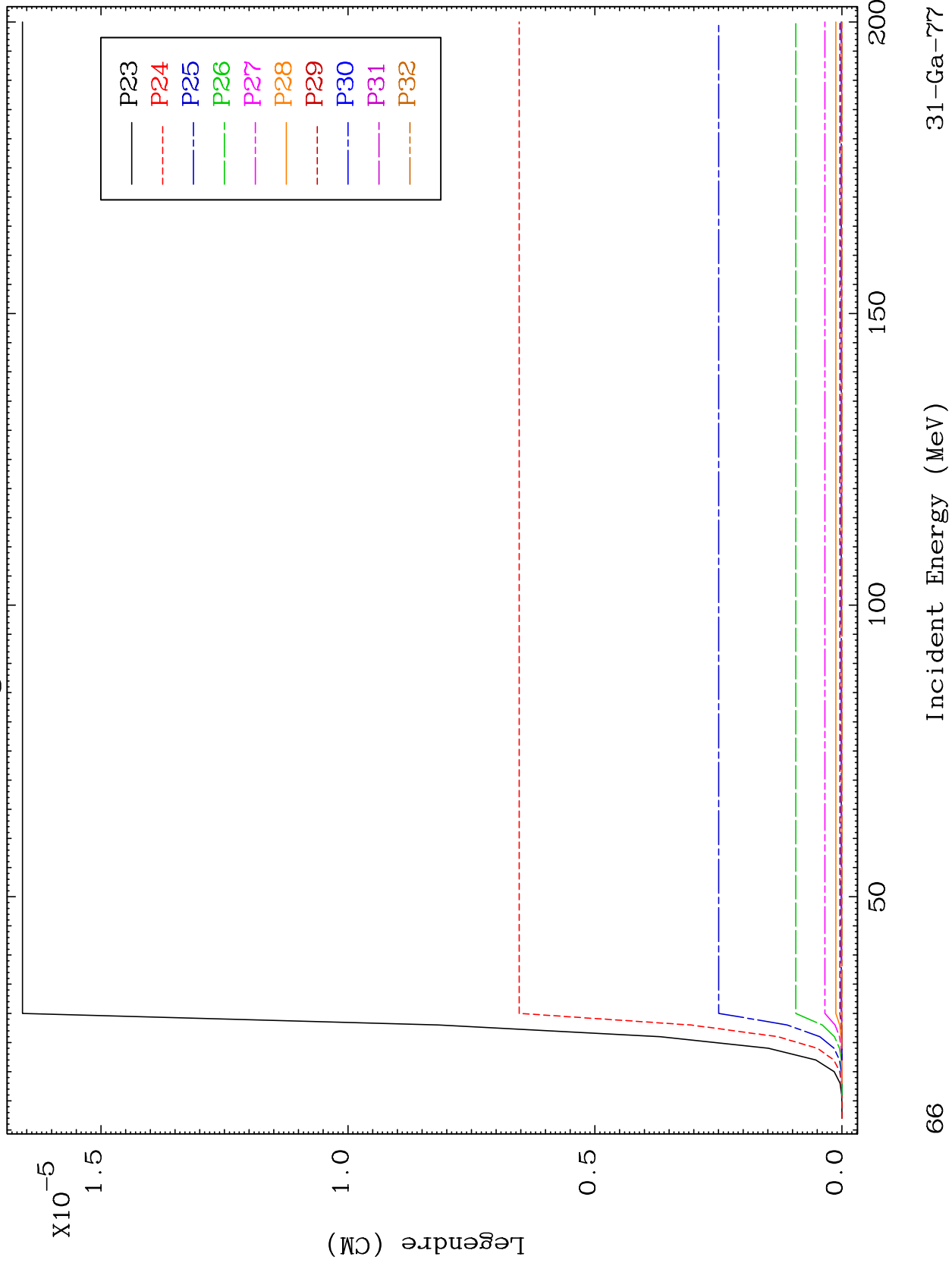
65

31-Ga-77

MAT 3149

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

31-Ga-77



66

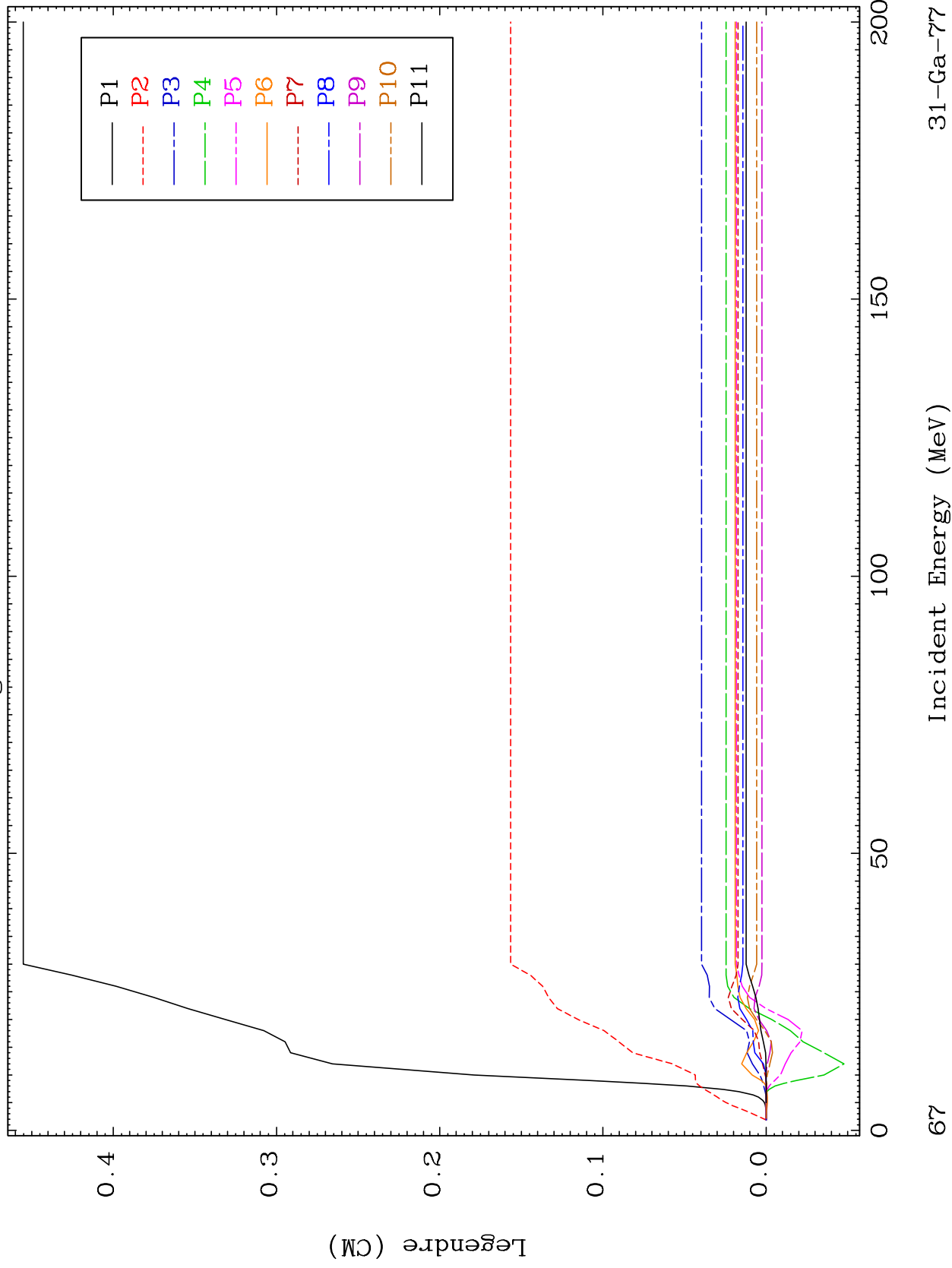
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

<sup>31</sup>Ga-77



<sup>31</sup>Ga-77

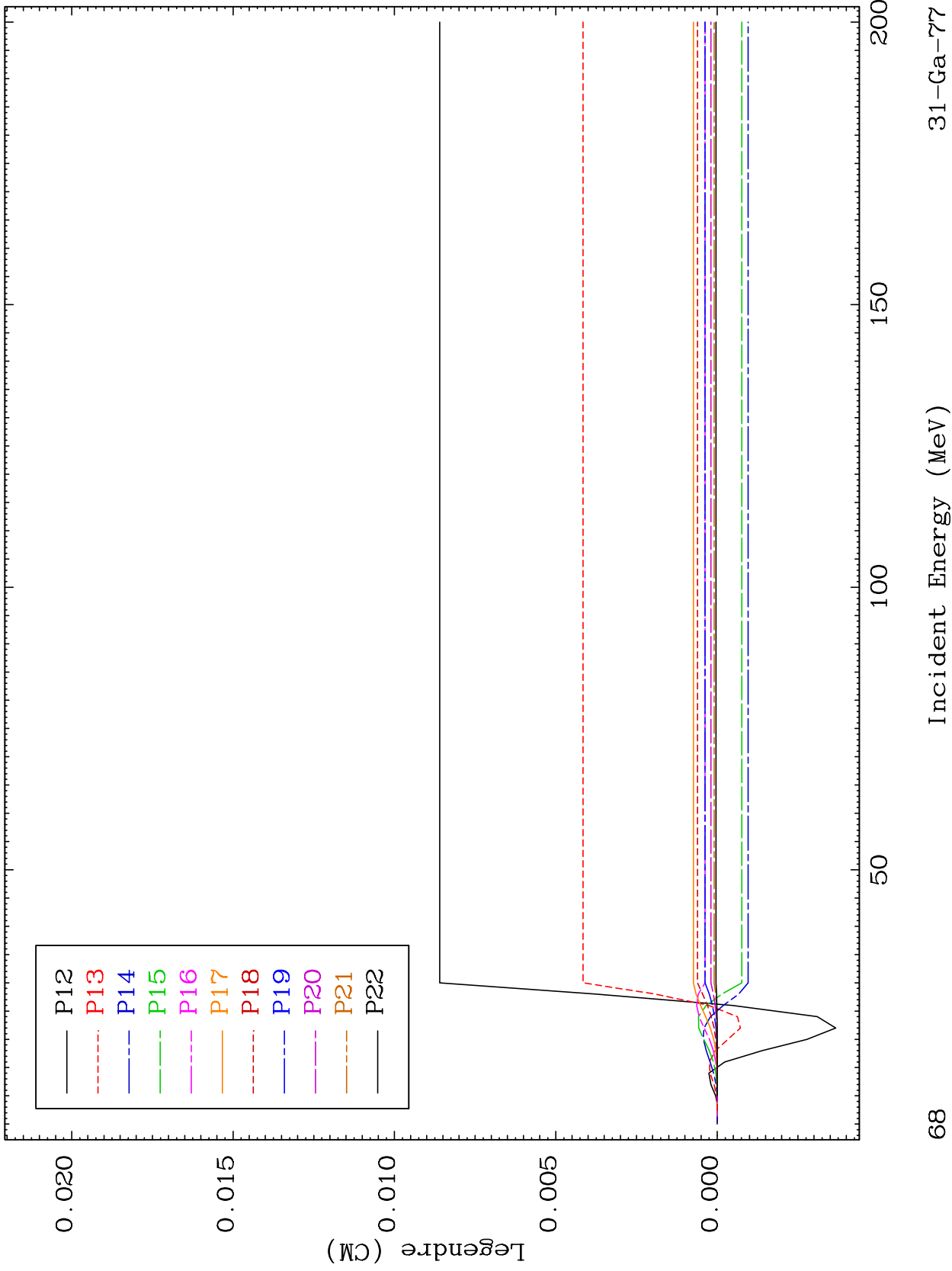
Incident Energy (MeV)

67

MAT 3149

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

31-Ga-77



68

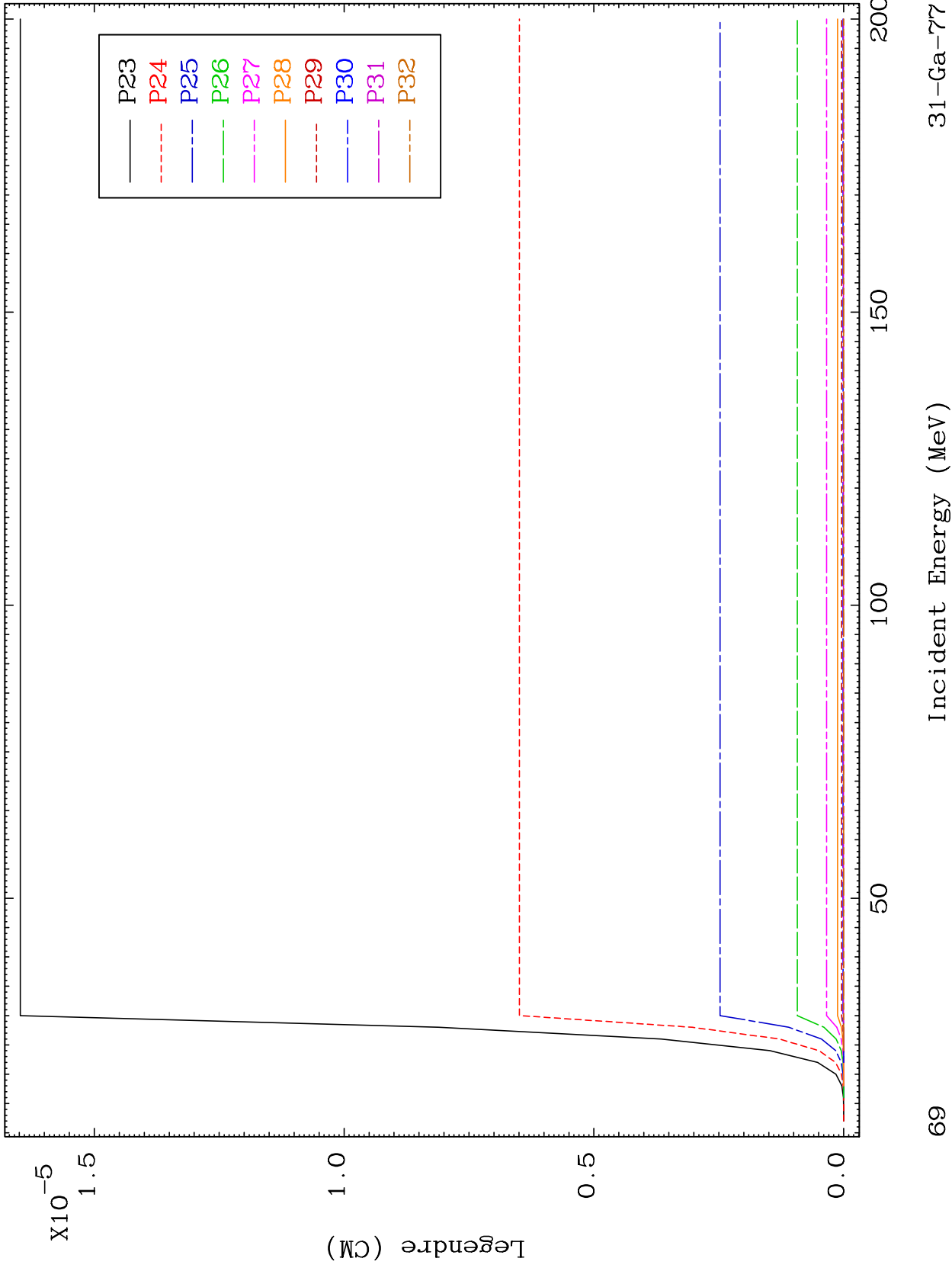
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



69

Incident Energy (MeV)

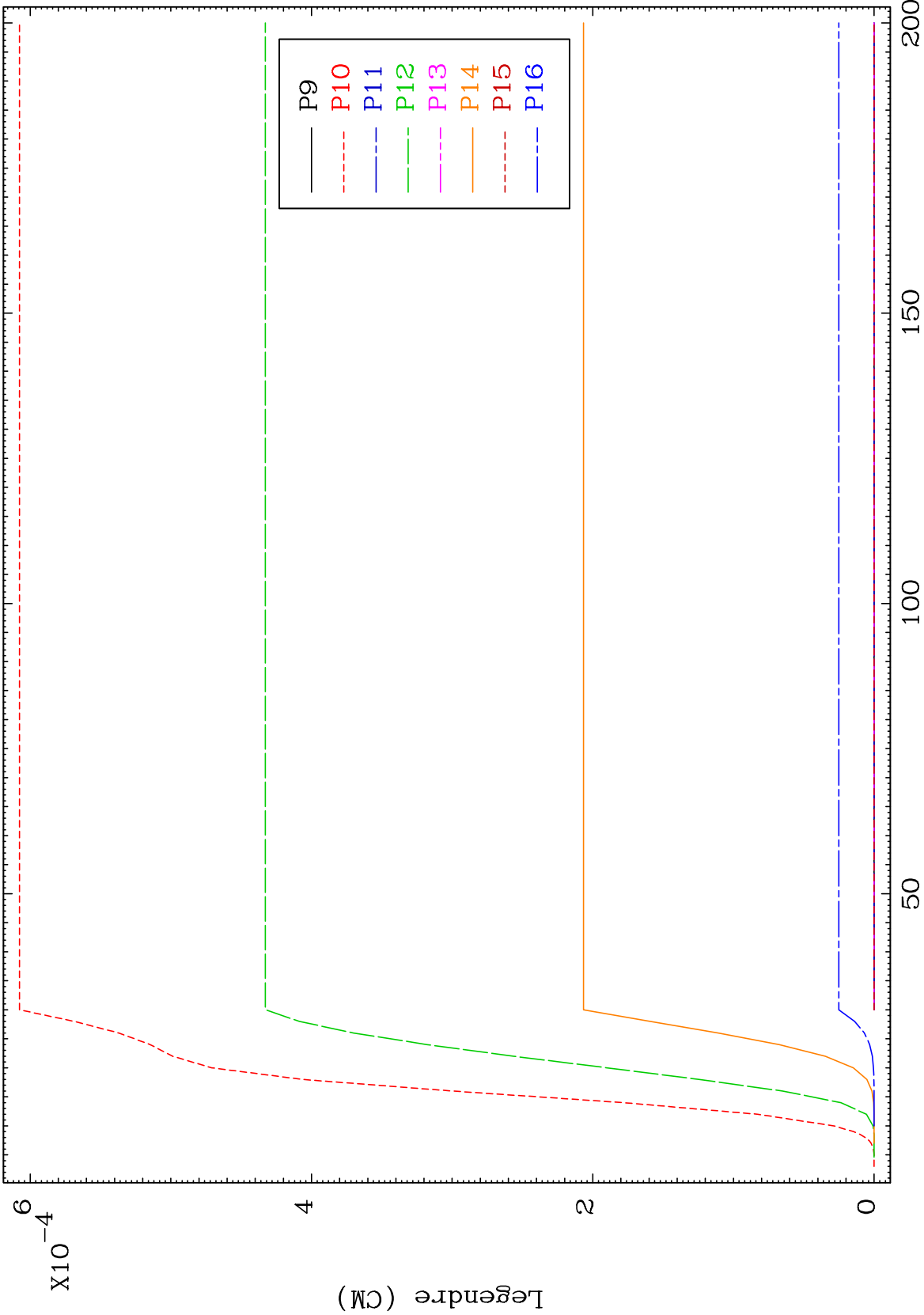
31-Ga-77



MAT 3149

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

31-Ga-77

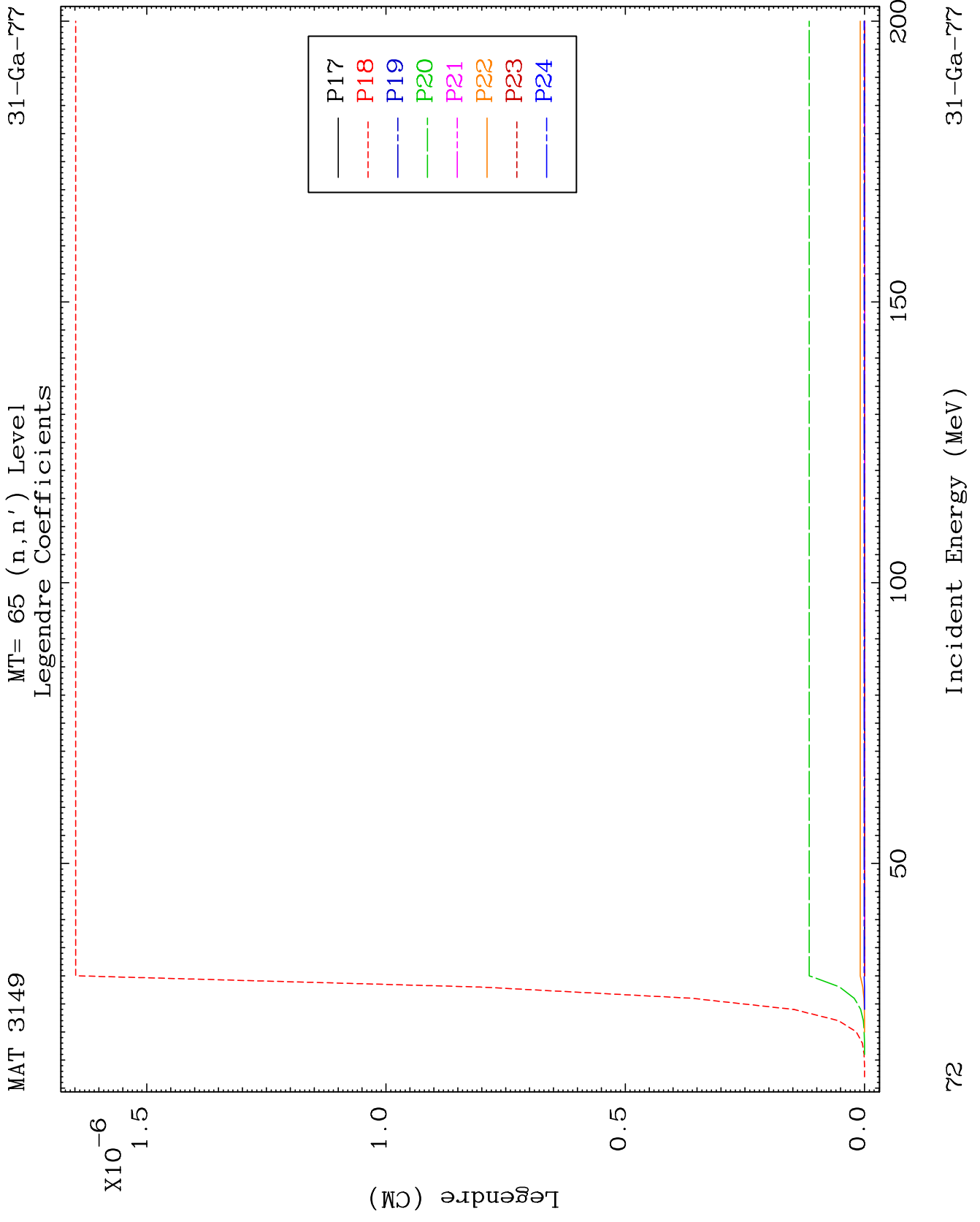


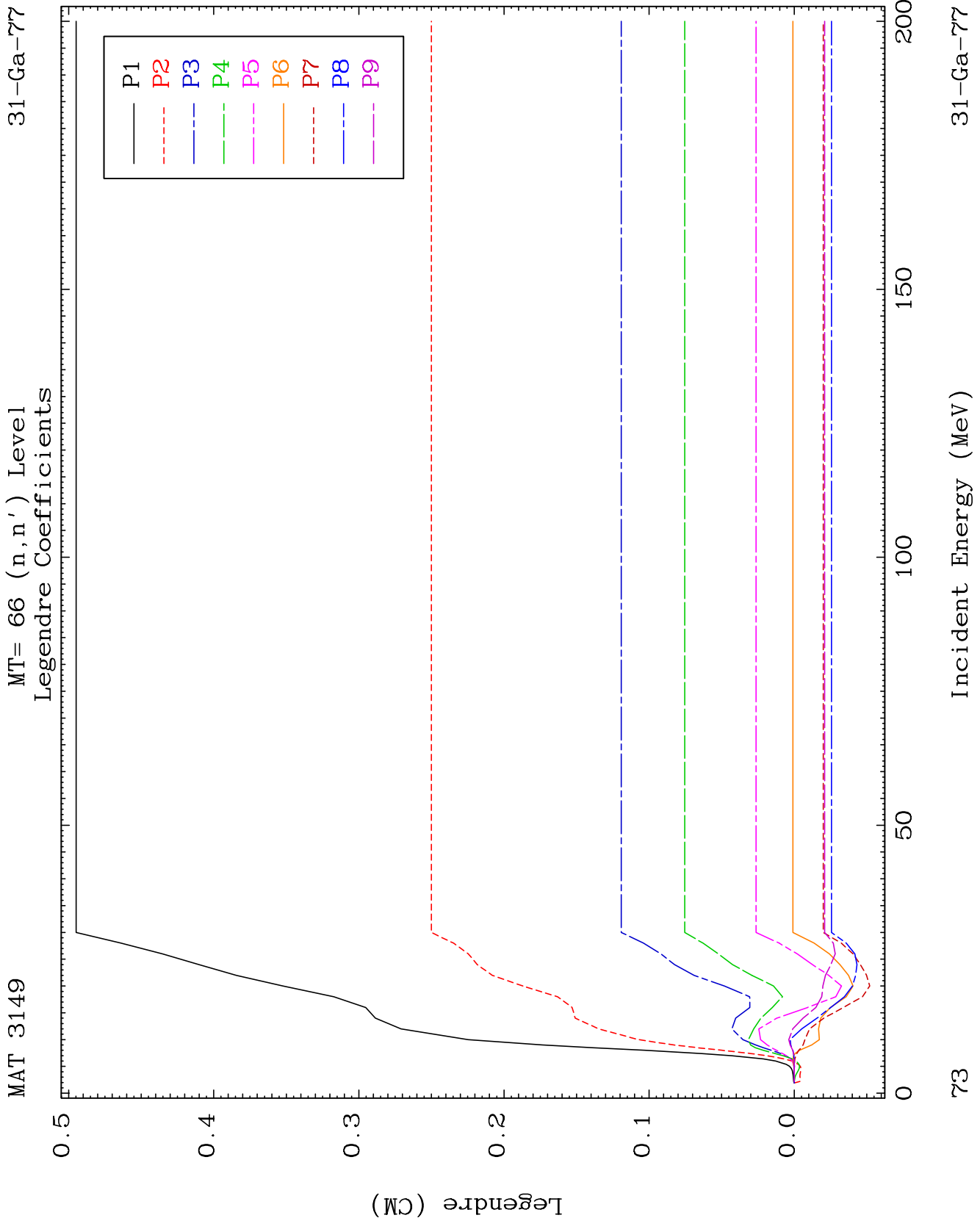
71

Incident Energy (MeV)

31-Ga-77



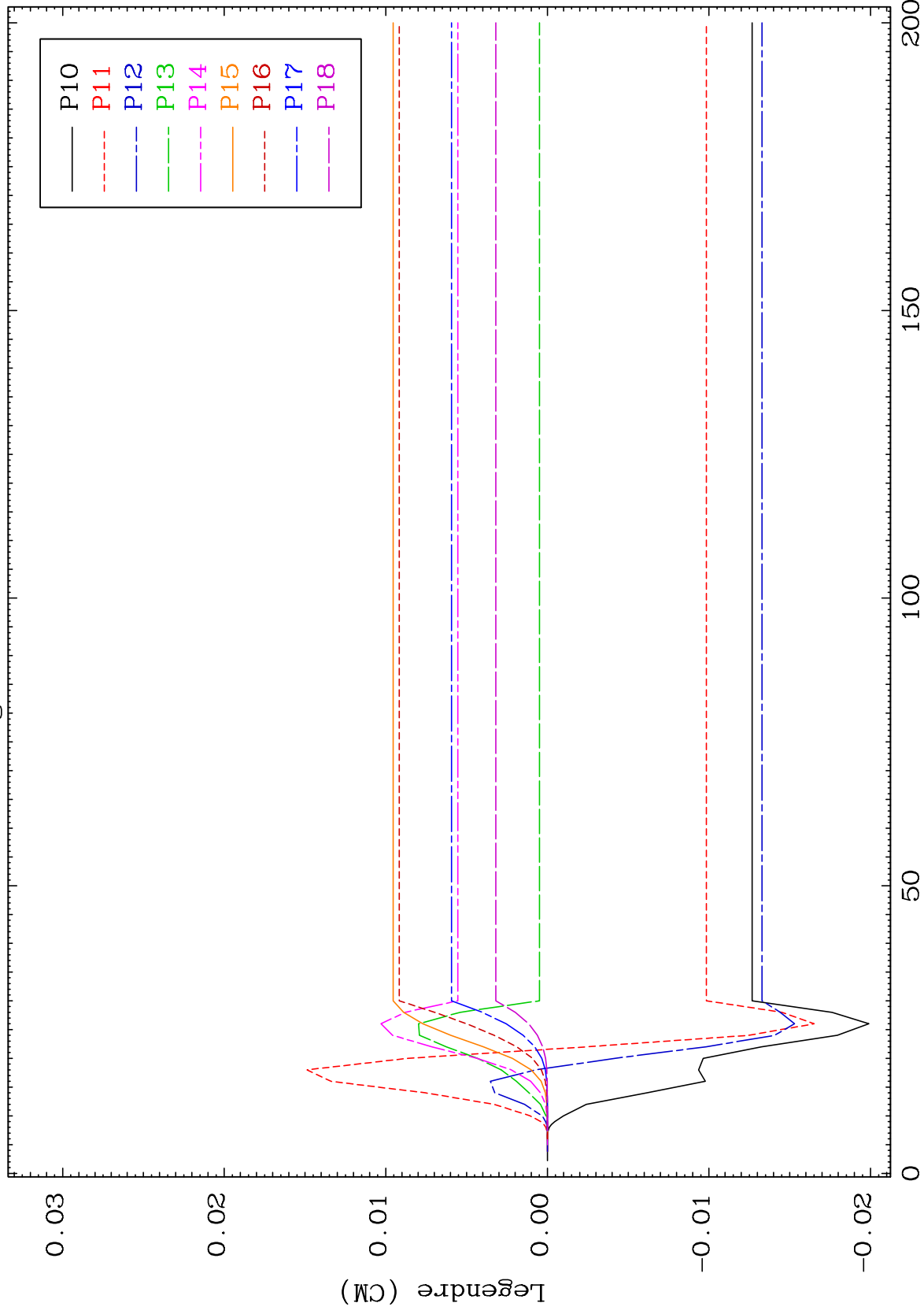




MAT 3149

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

<sup>31</sup>Ga-77



74

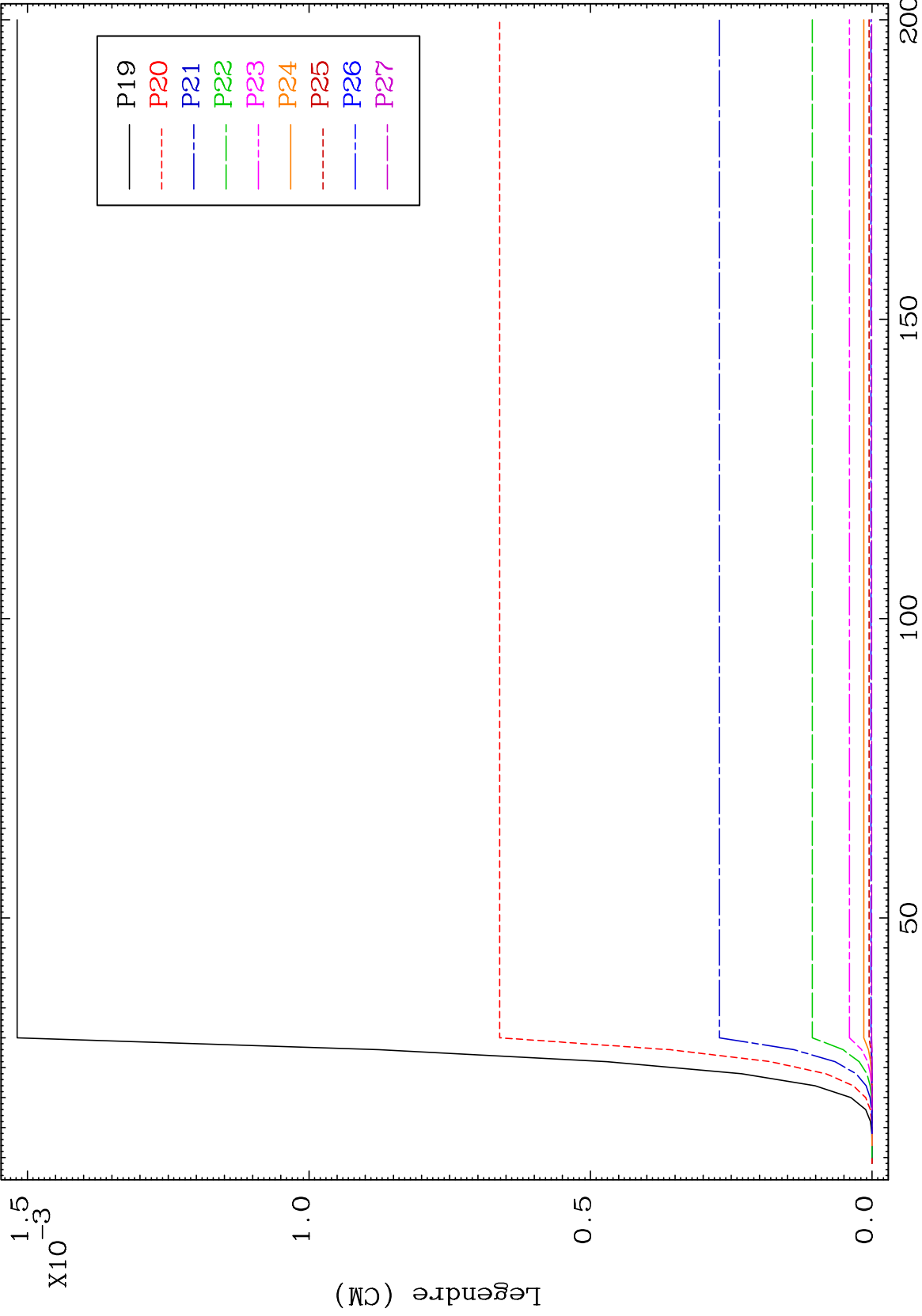
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

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

<sup>31</sup>Ga-77



75

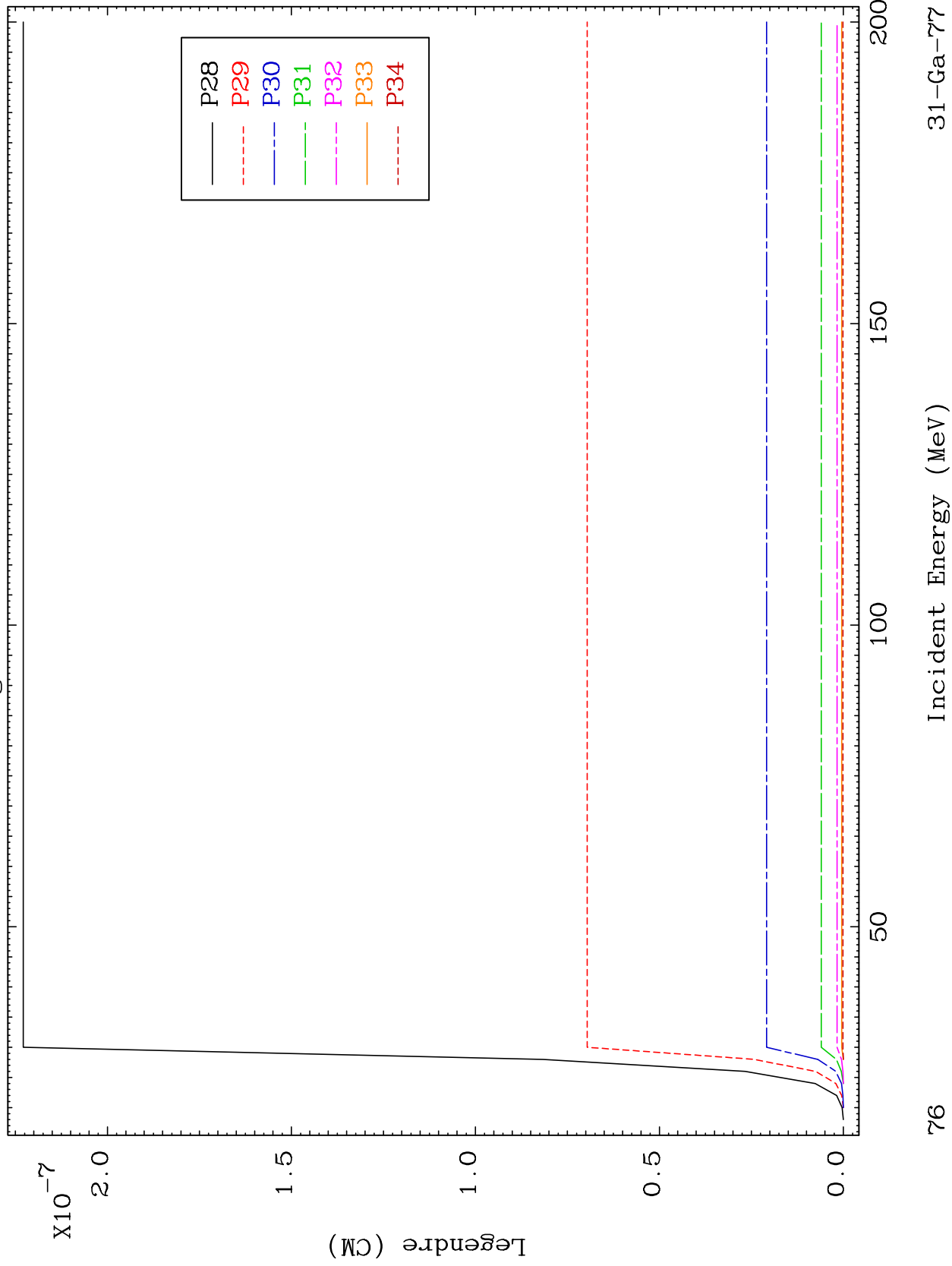
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

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

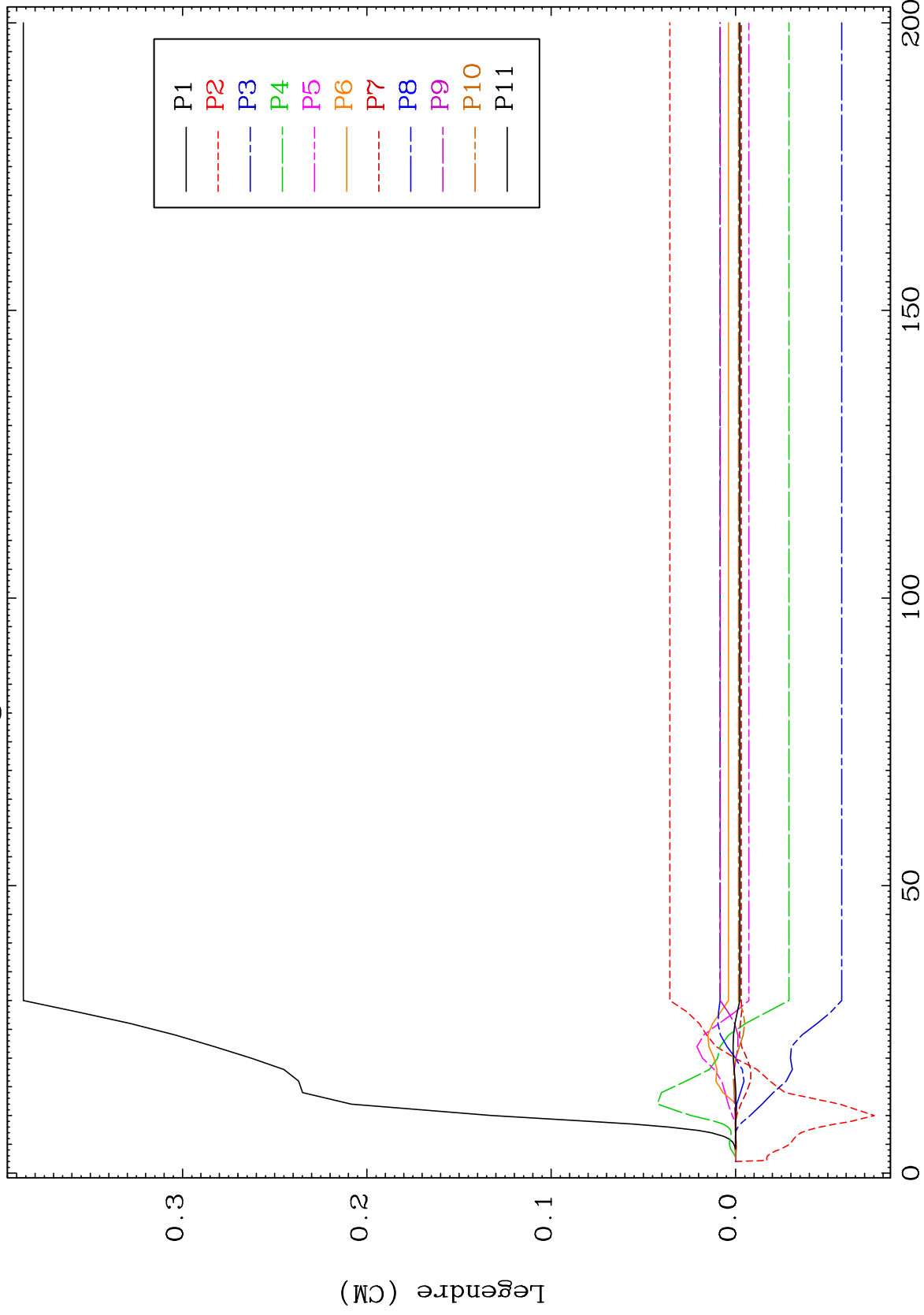
31-Ga-77



MAT 3149

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

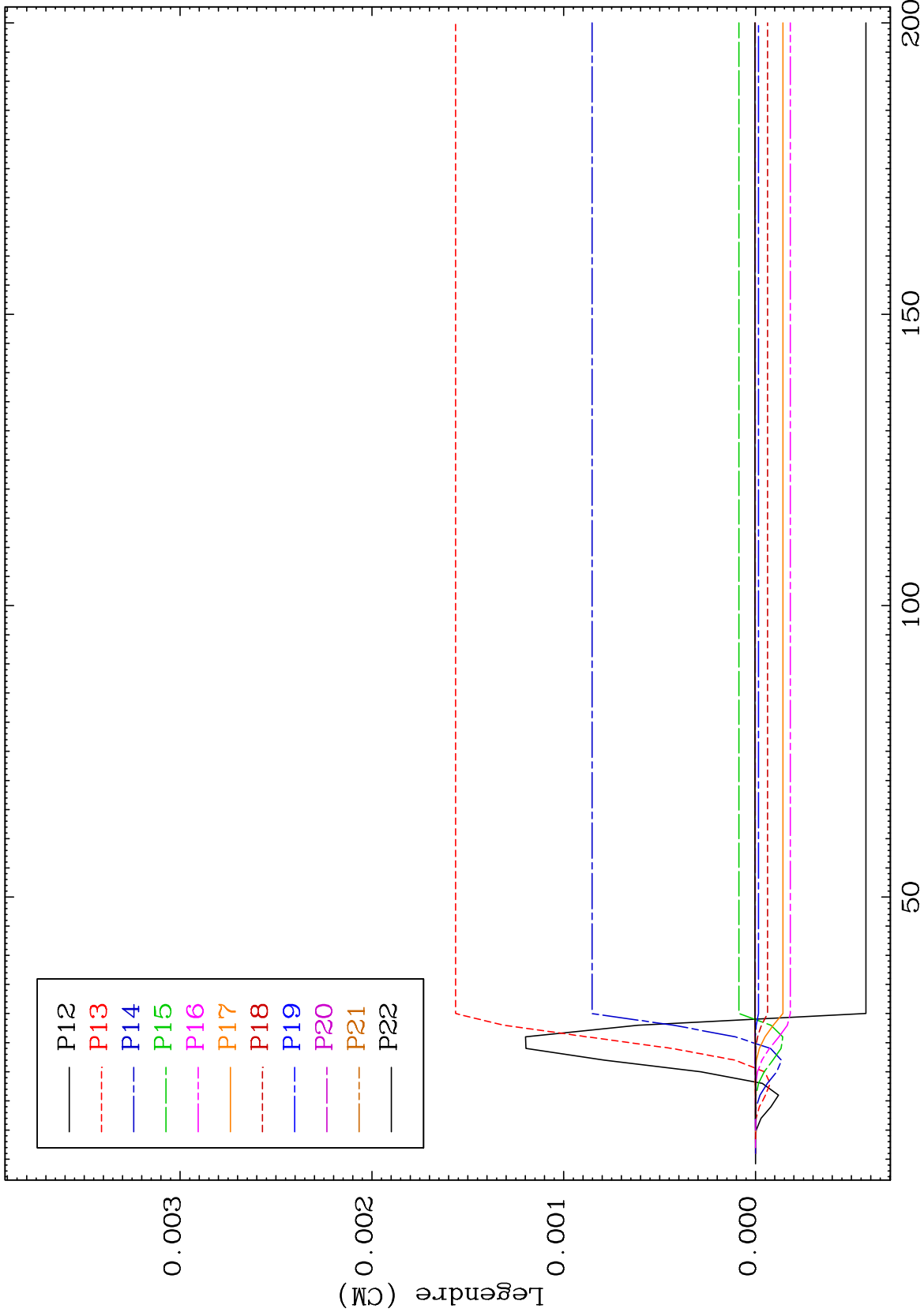
<sup>31</sup>Ga-<sup>77</sup>



77

Incident Energy (MeV)

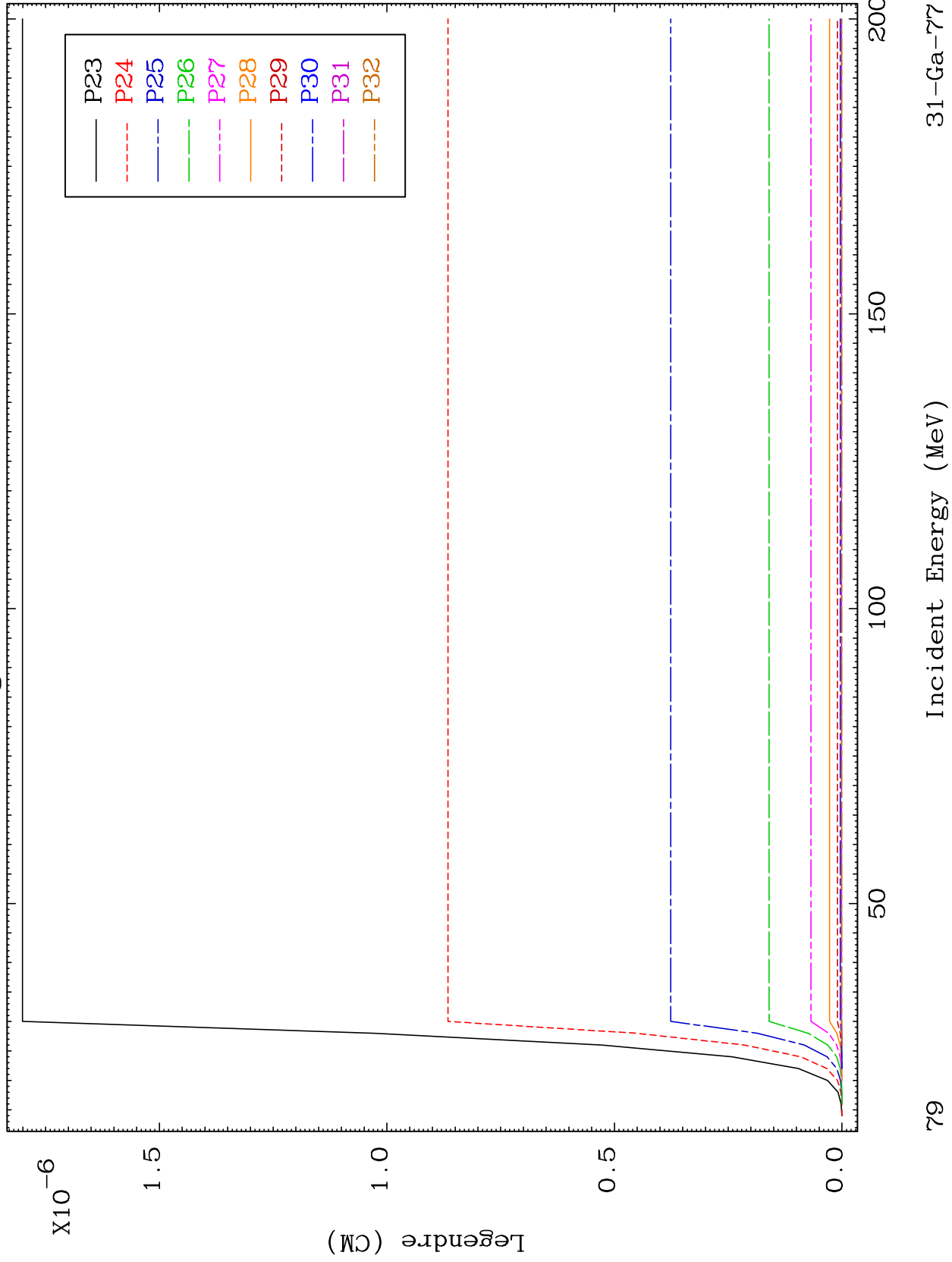
<sup>31</sup>Ga-<sup>77</sup>



MAT 3149

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

<sup>31</sup>Ga-77

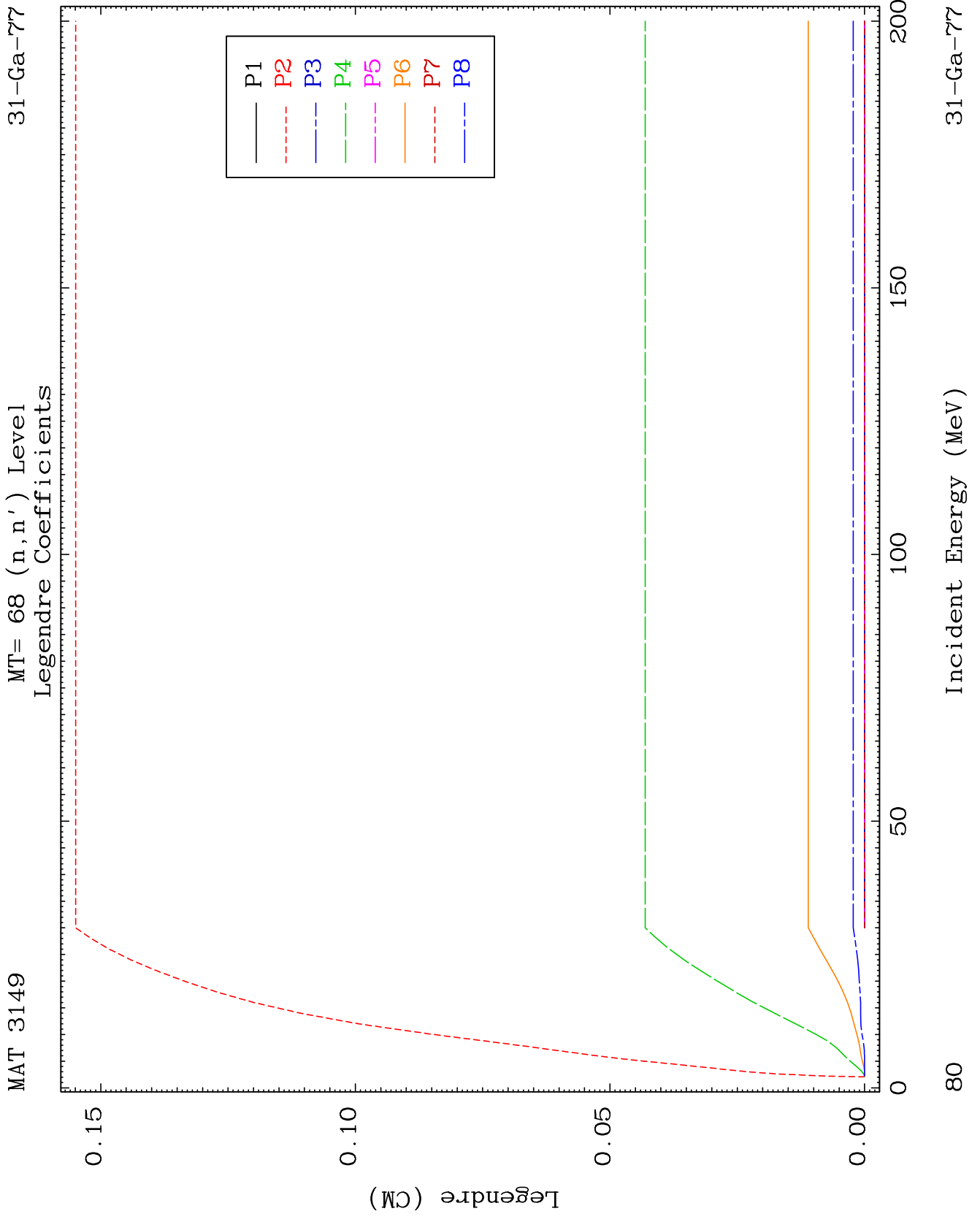


79

Incident Energy (MeV)

<sup>31</sup>Ga-77

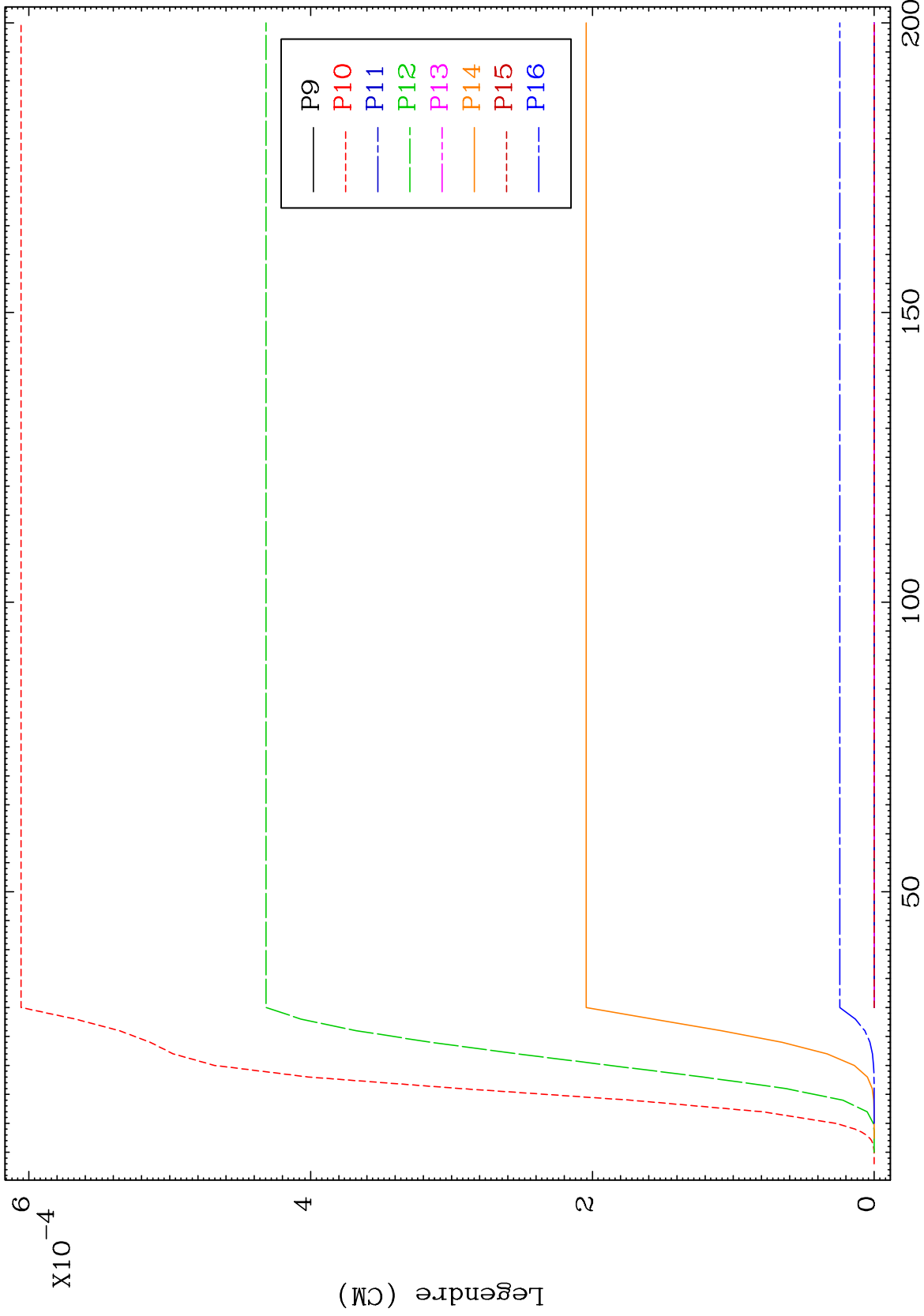




MAT 3149

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

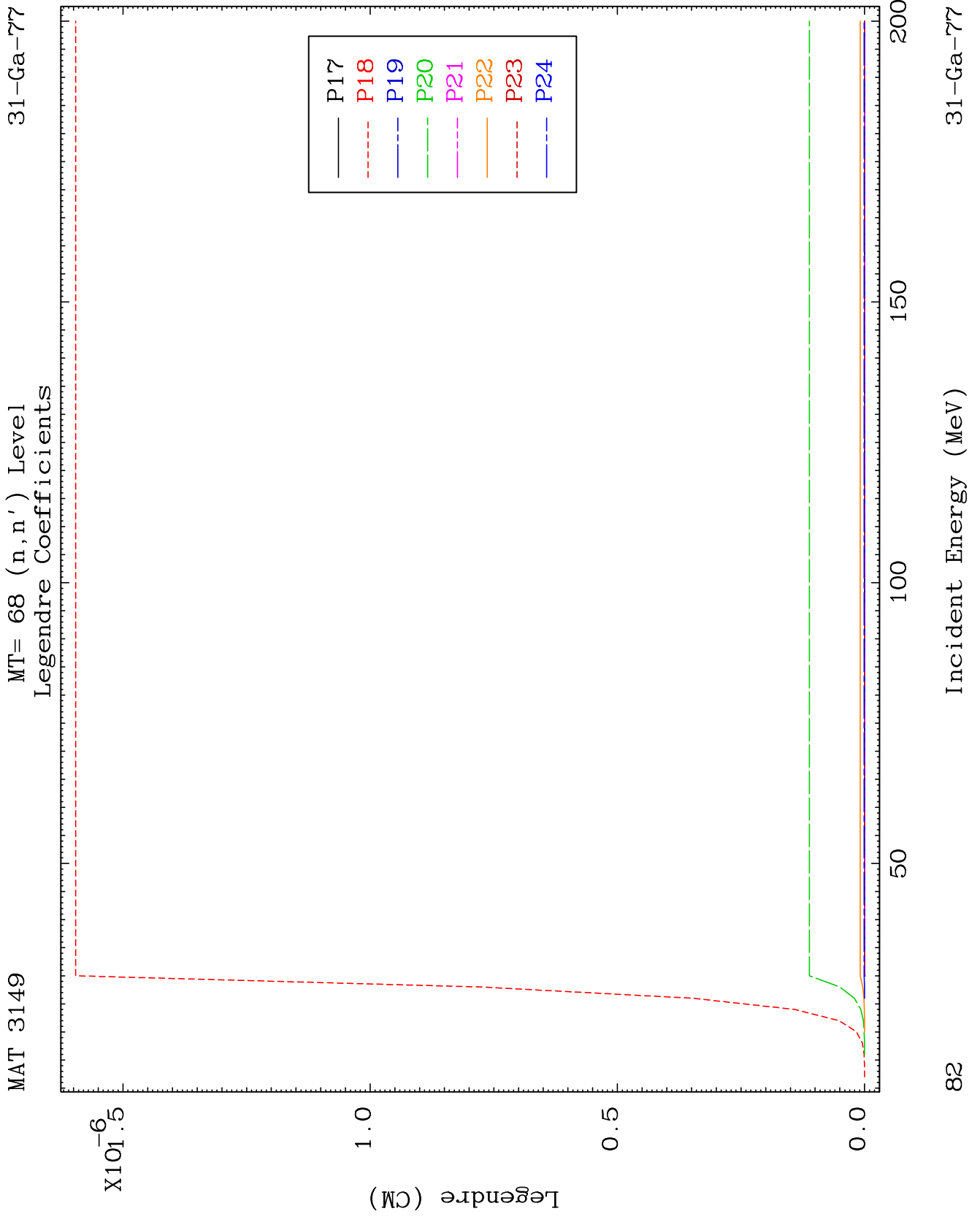
31-Ga-77



81

Incident Energy (MeV)

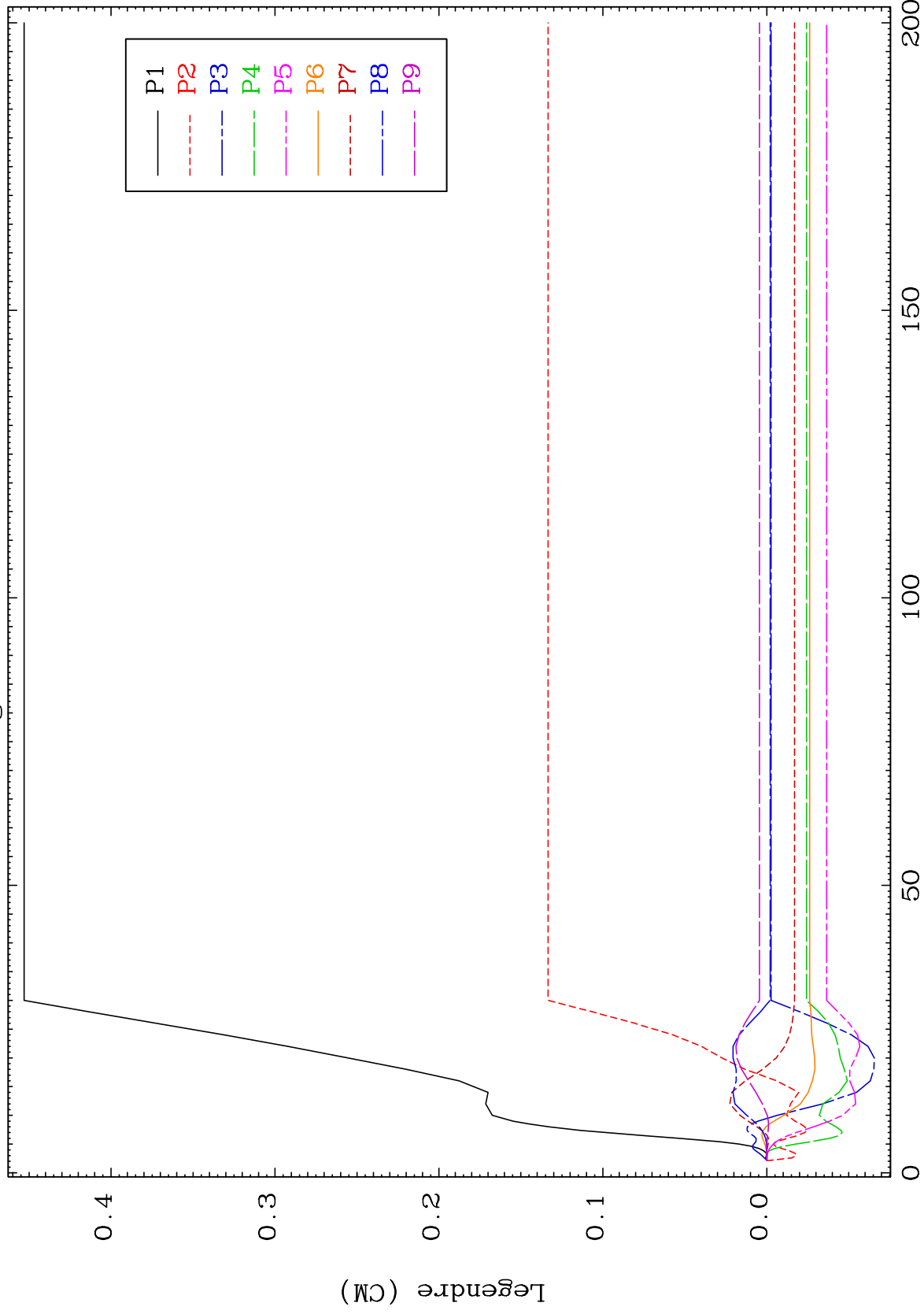
31-Ga-77



MAT 3149

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

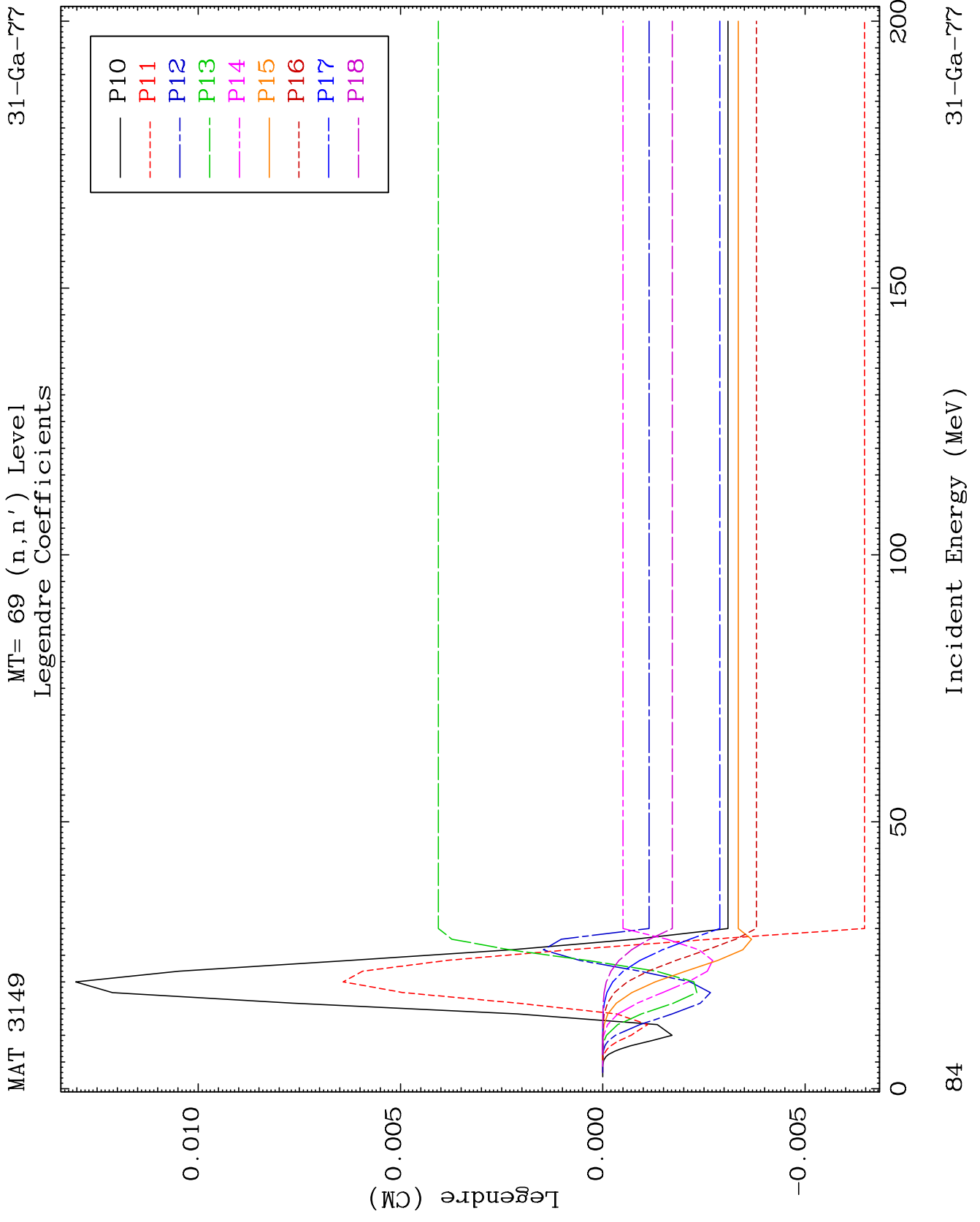
<sup>31</sup>Ga-77



83

Incident Energy (MeV)

<sup>31</sup>Ga-77

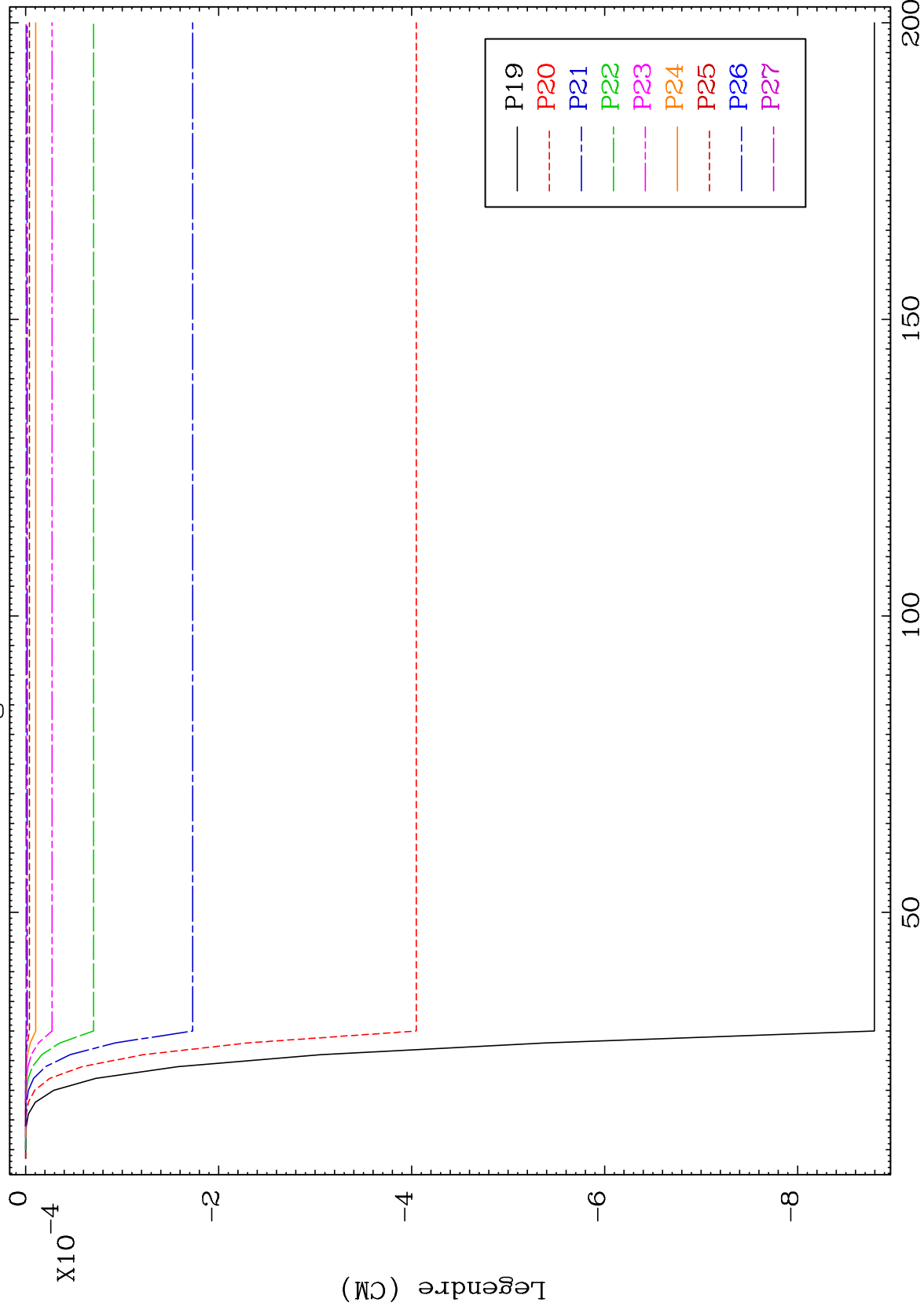


MAT 3149

MT= 69 (n,n') Level

31-Ga-77

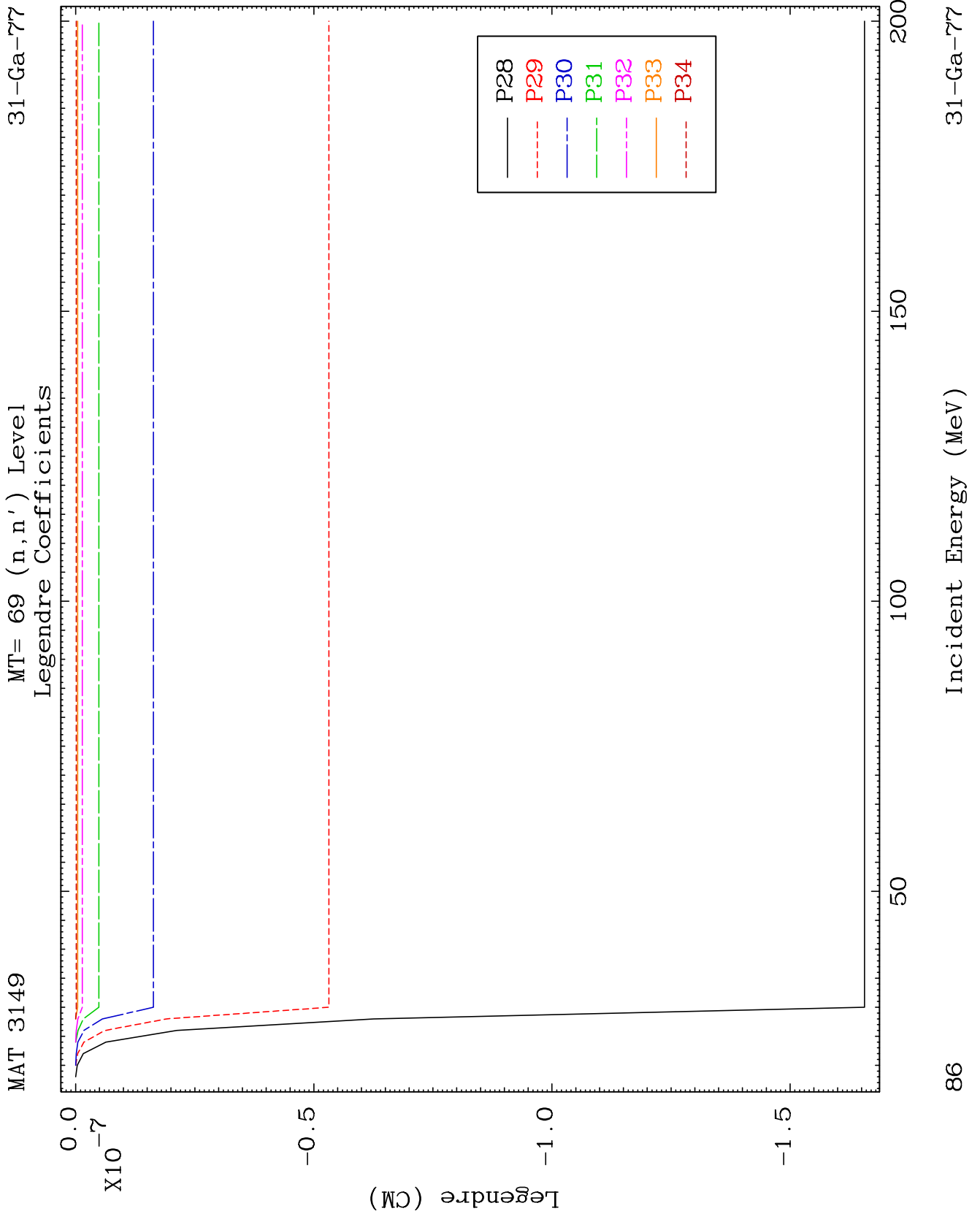
Legendre Coefficients

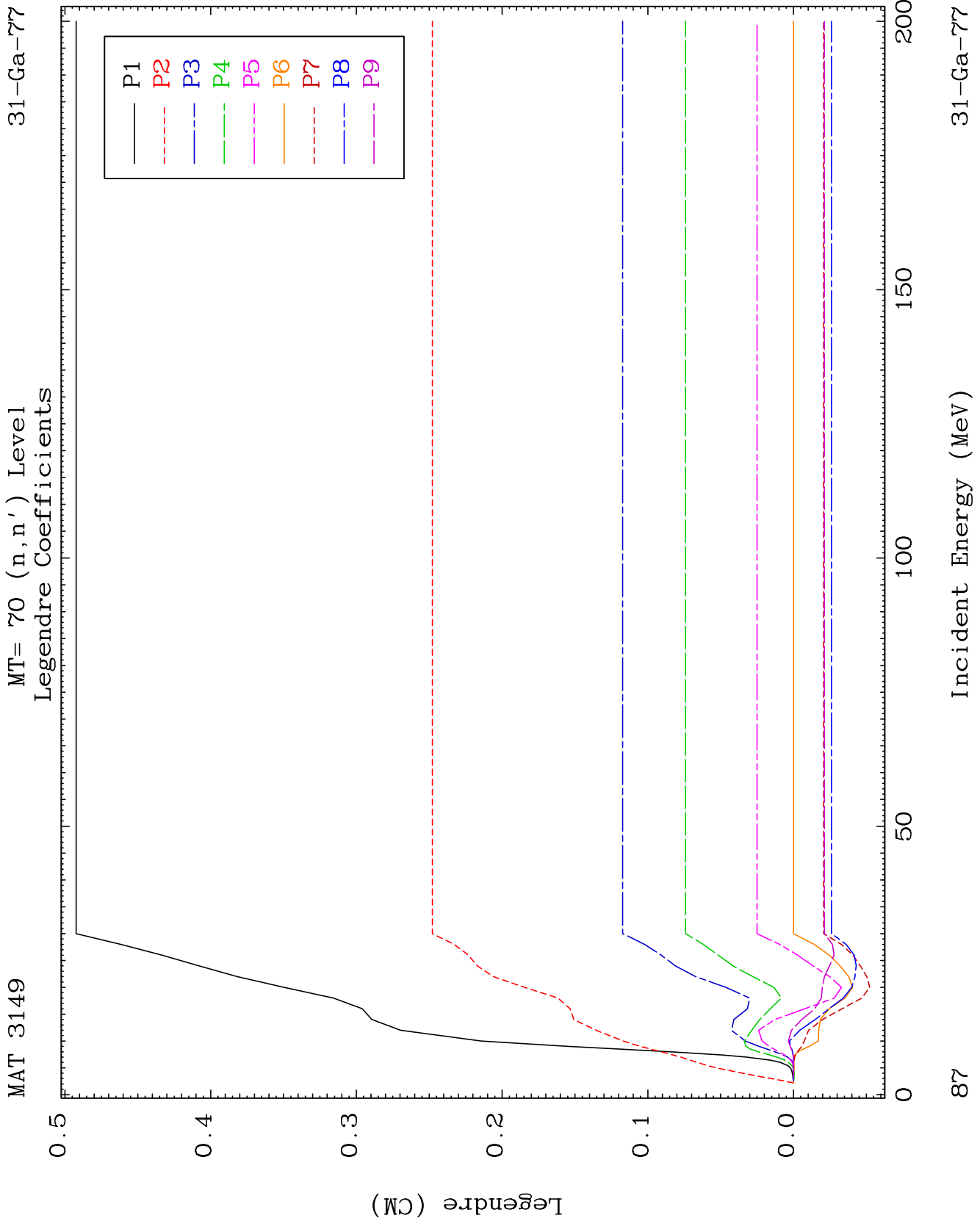


85

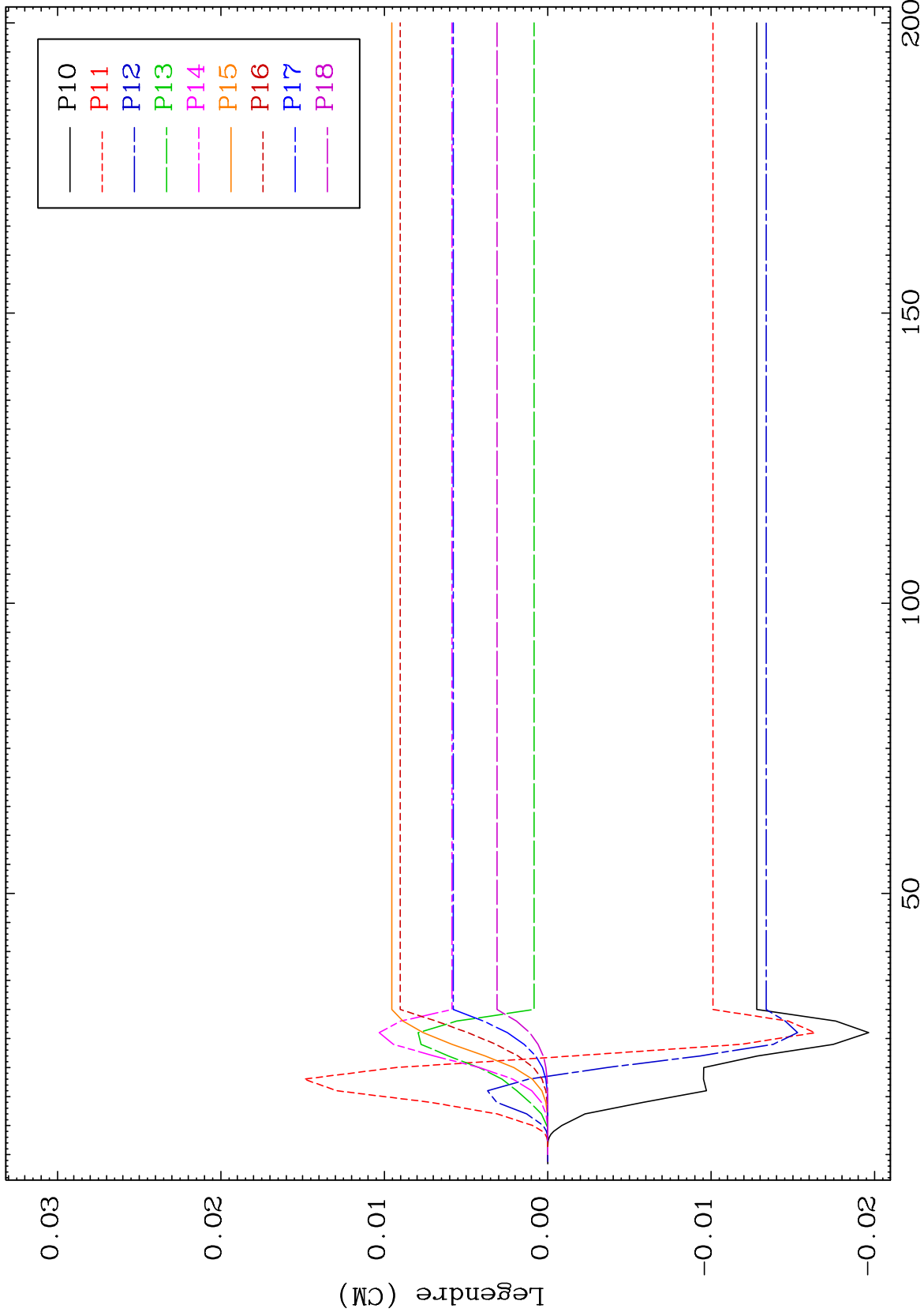
Incident Energy (MeV)

31-Ga-77





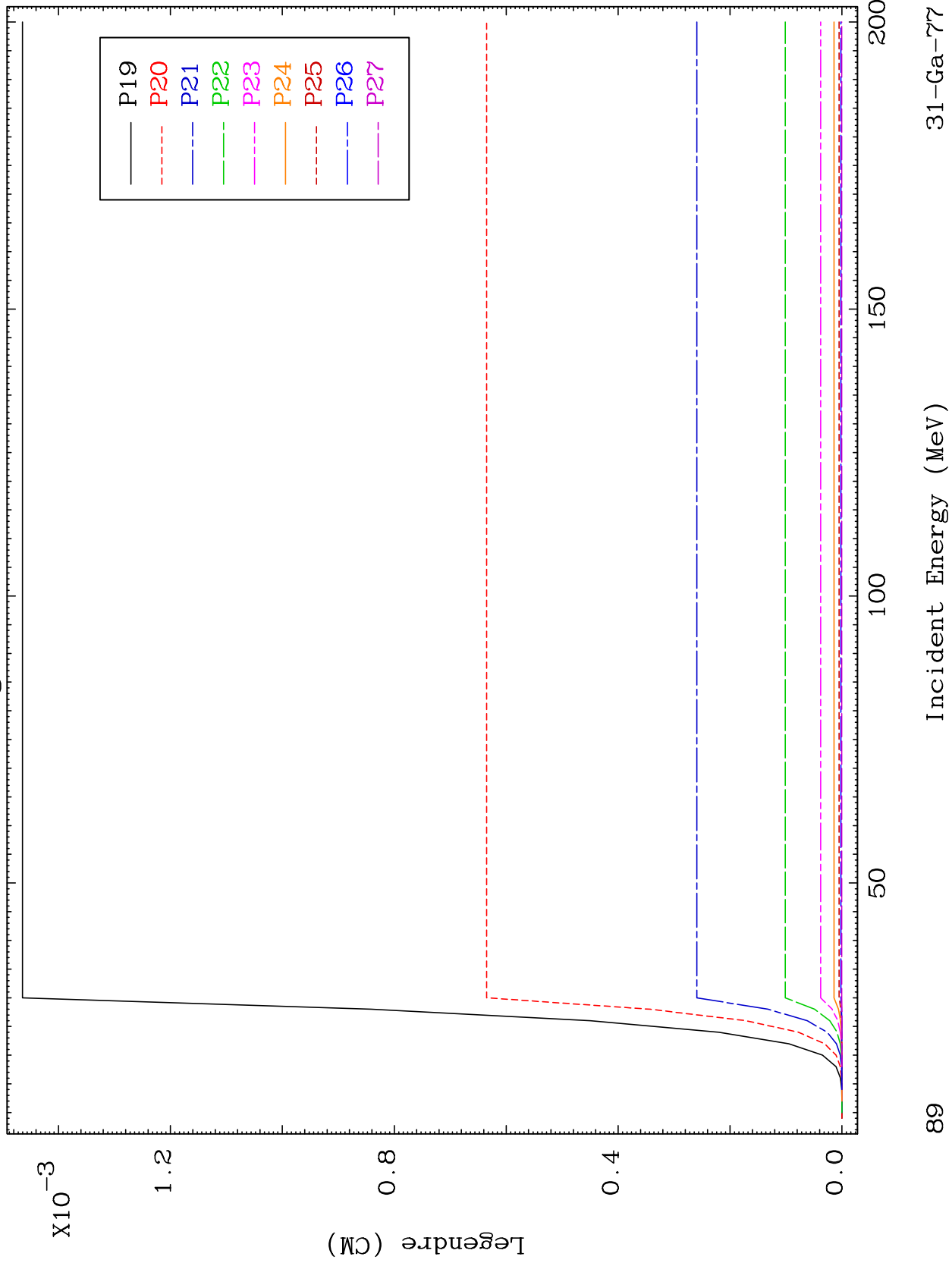




MAT 3149

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

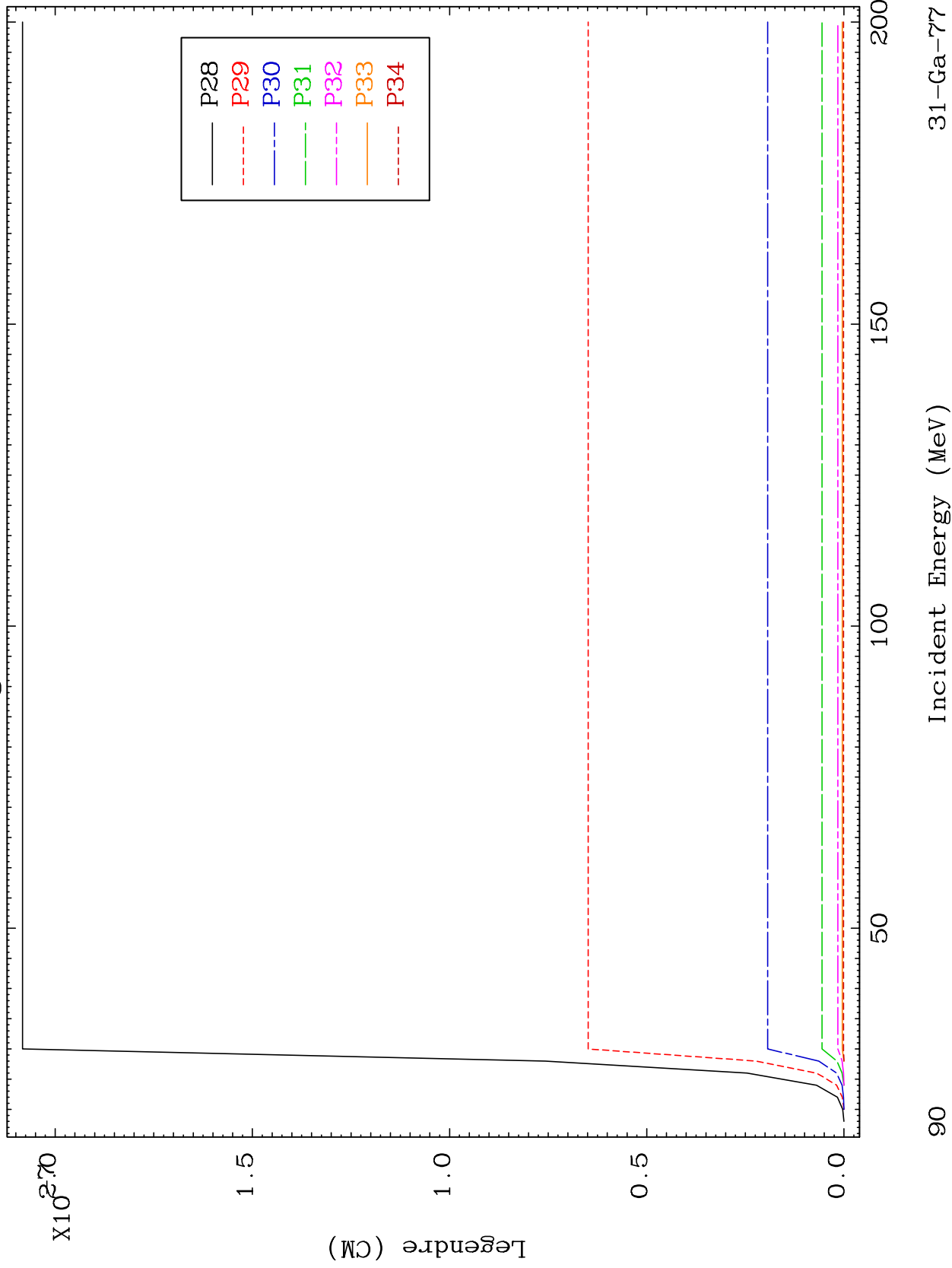
31-Ga-77

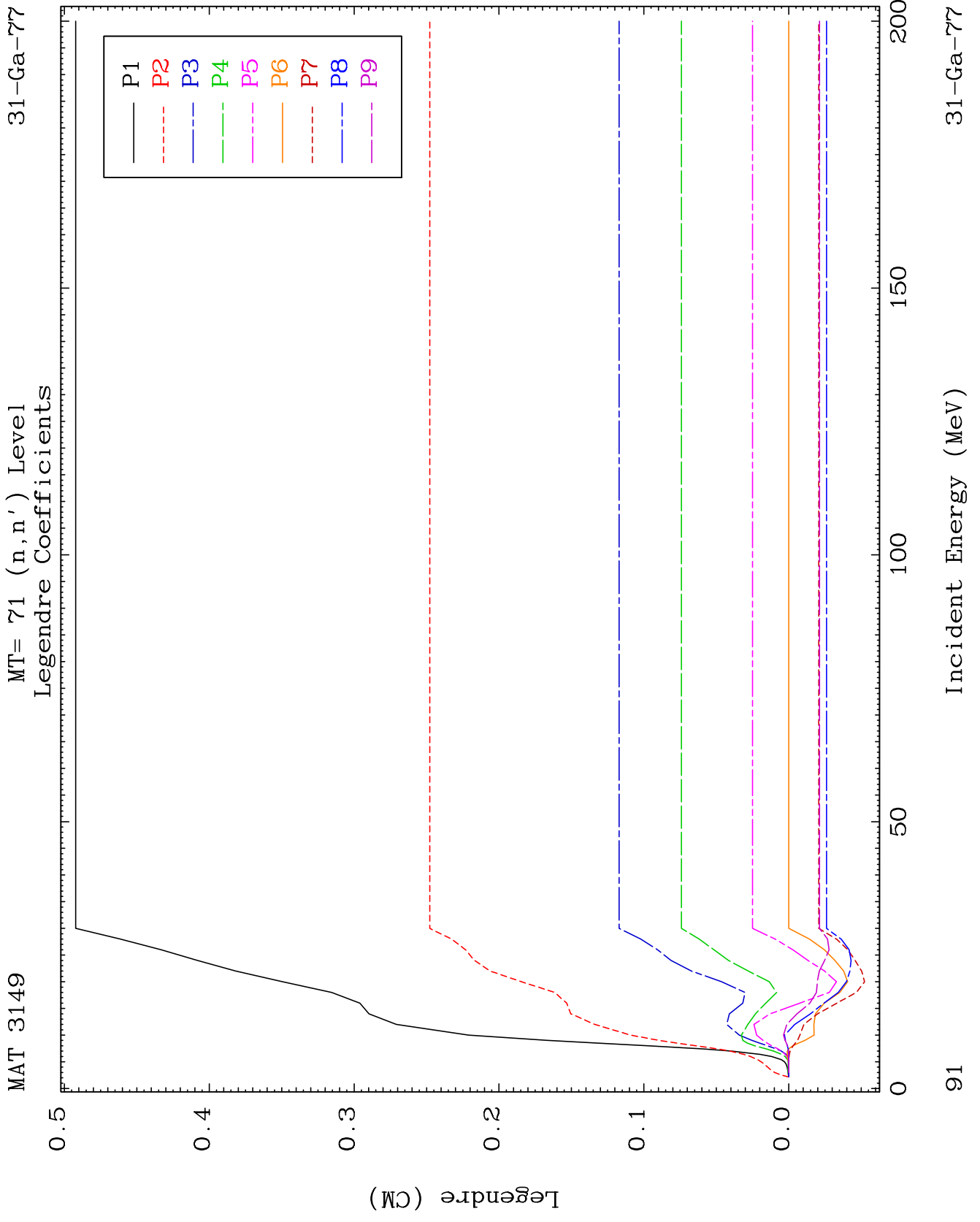


MAT 3149

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

31-Ga-77

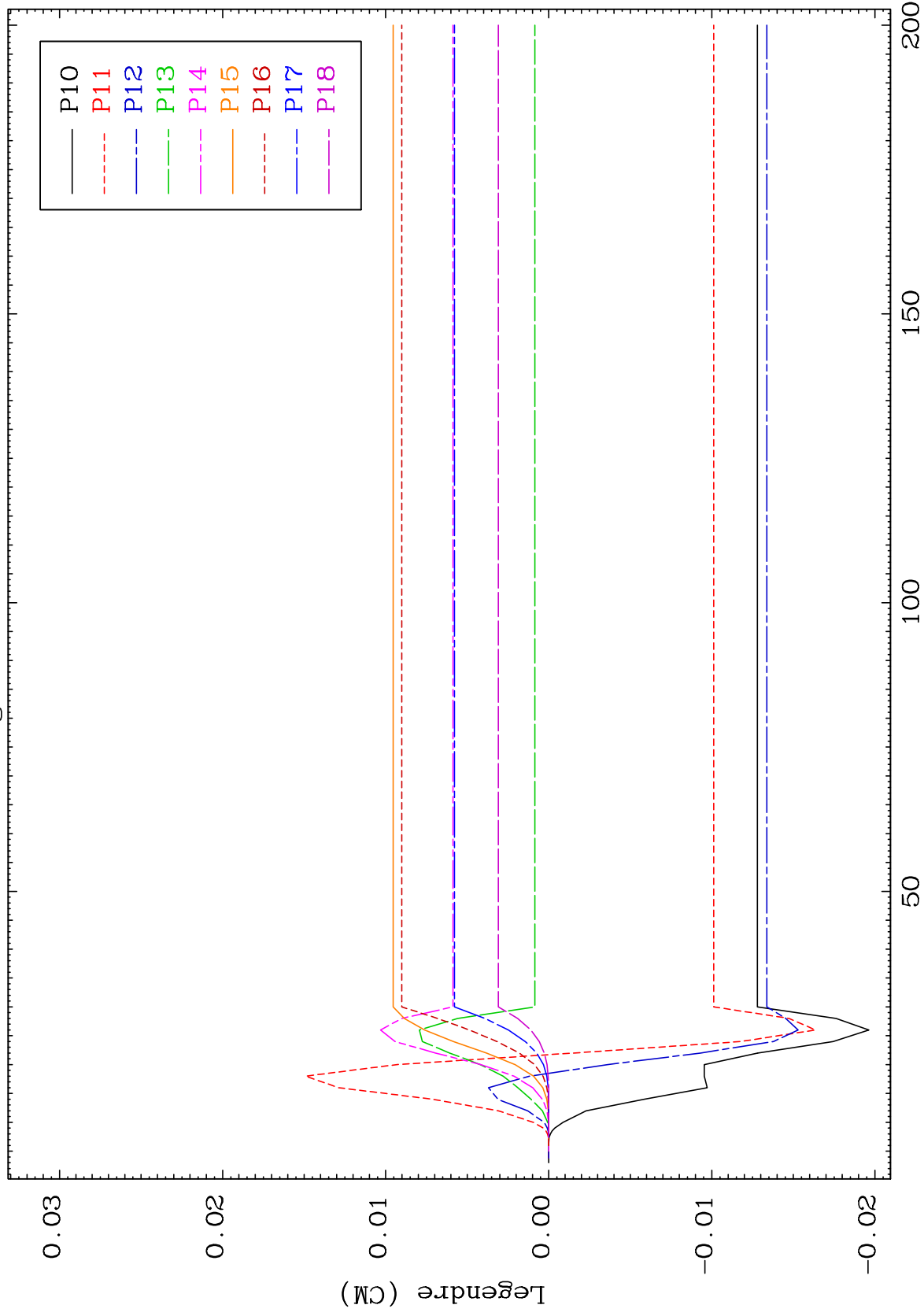




MAT 3149

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

<sup>31</sup>Ga-77



92

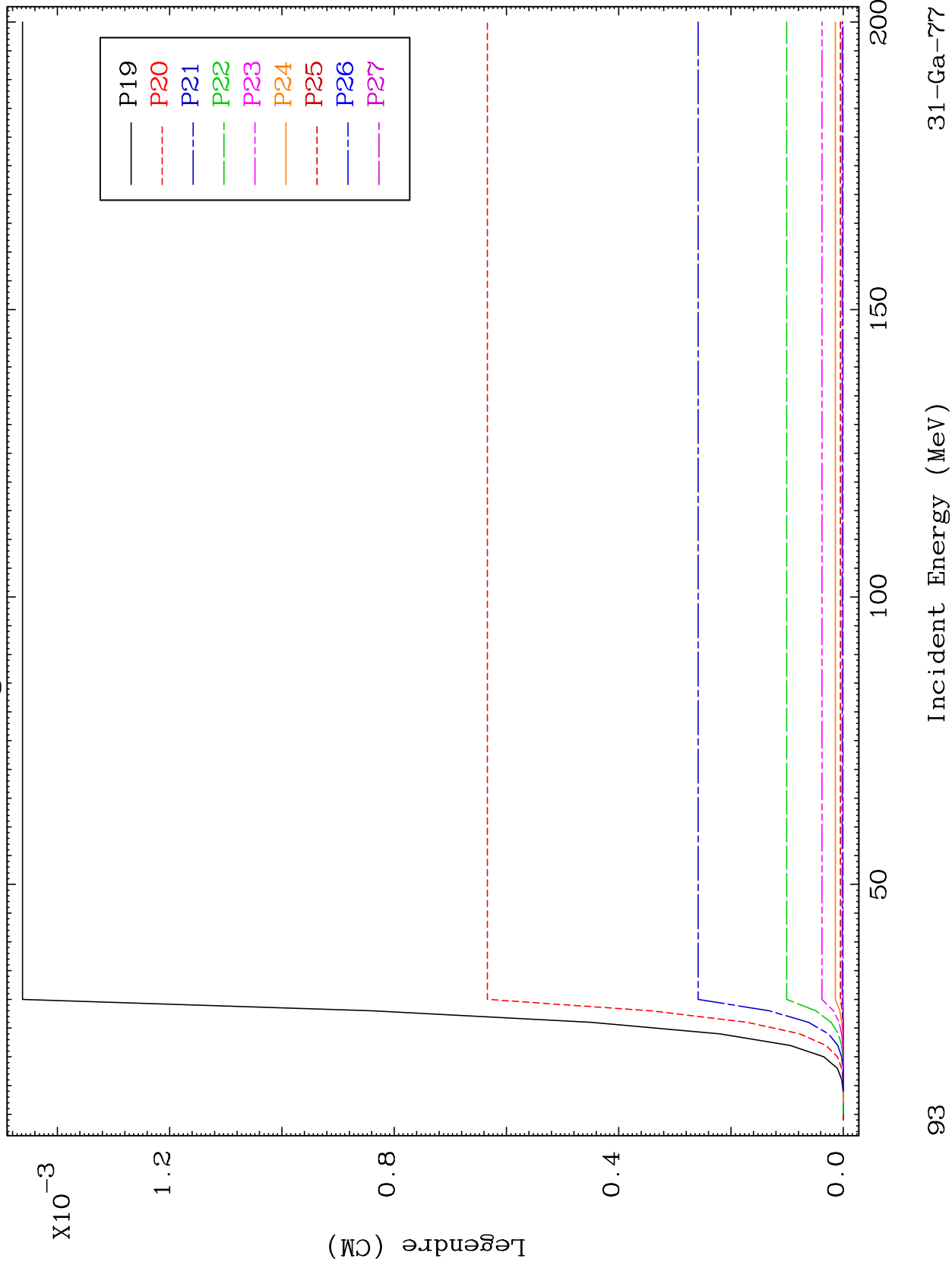
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

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

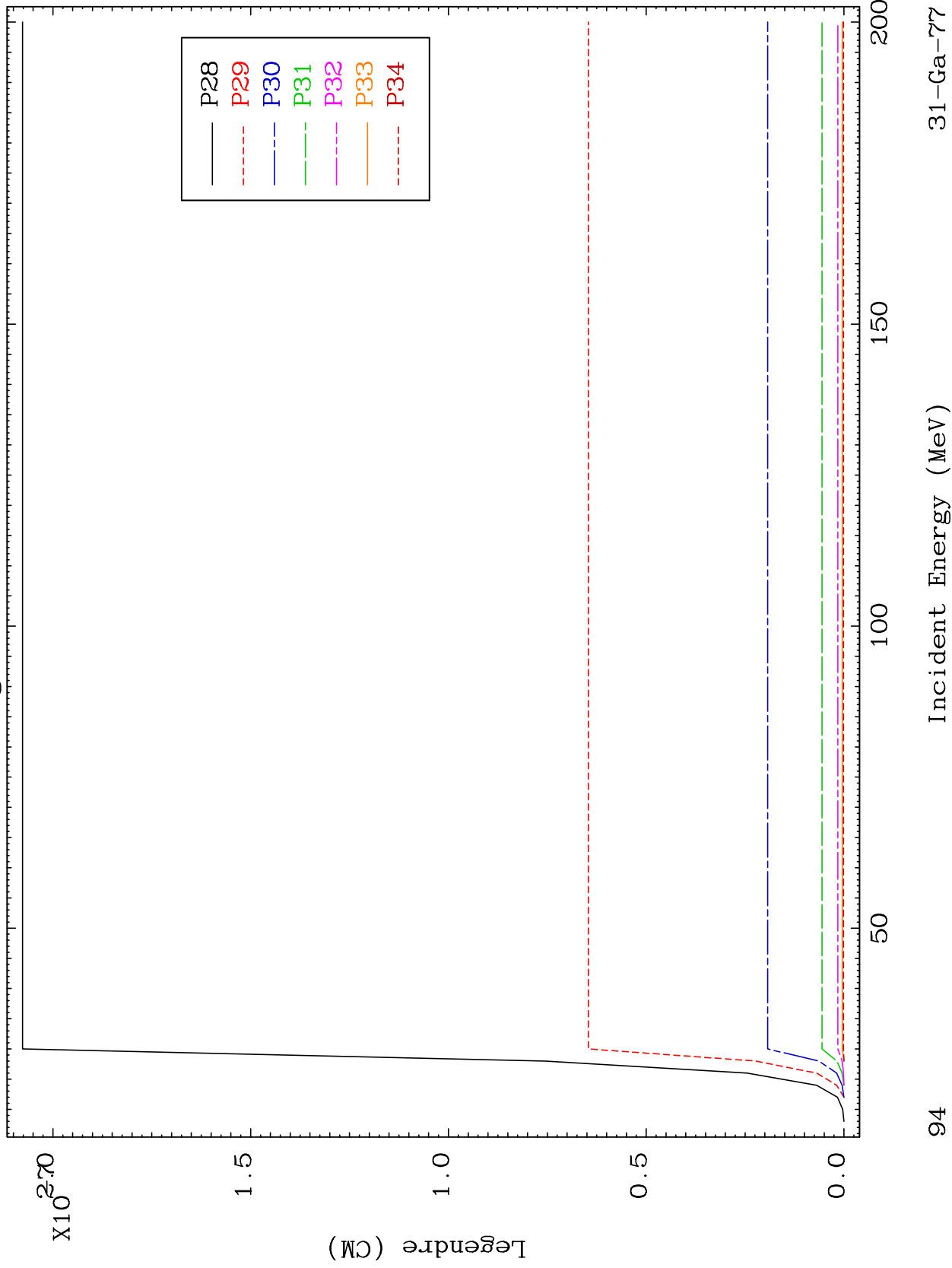
31-Ga-77



MAT 3149

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

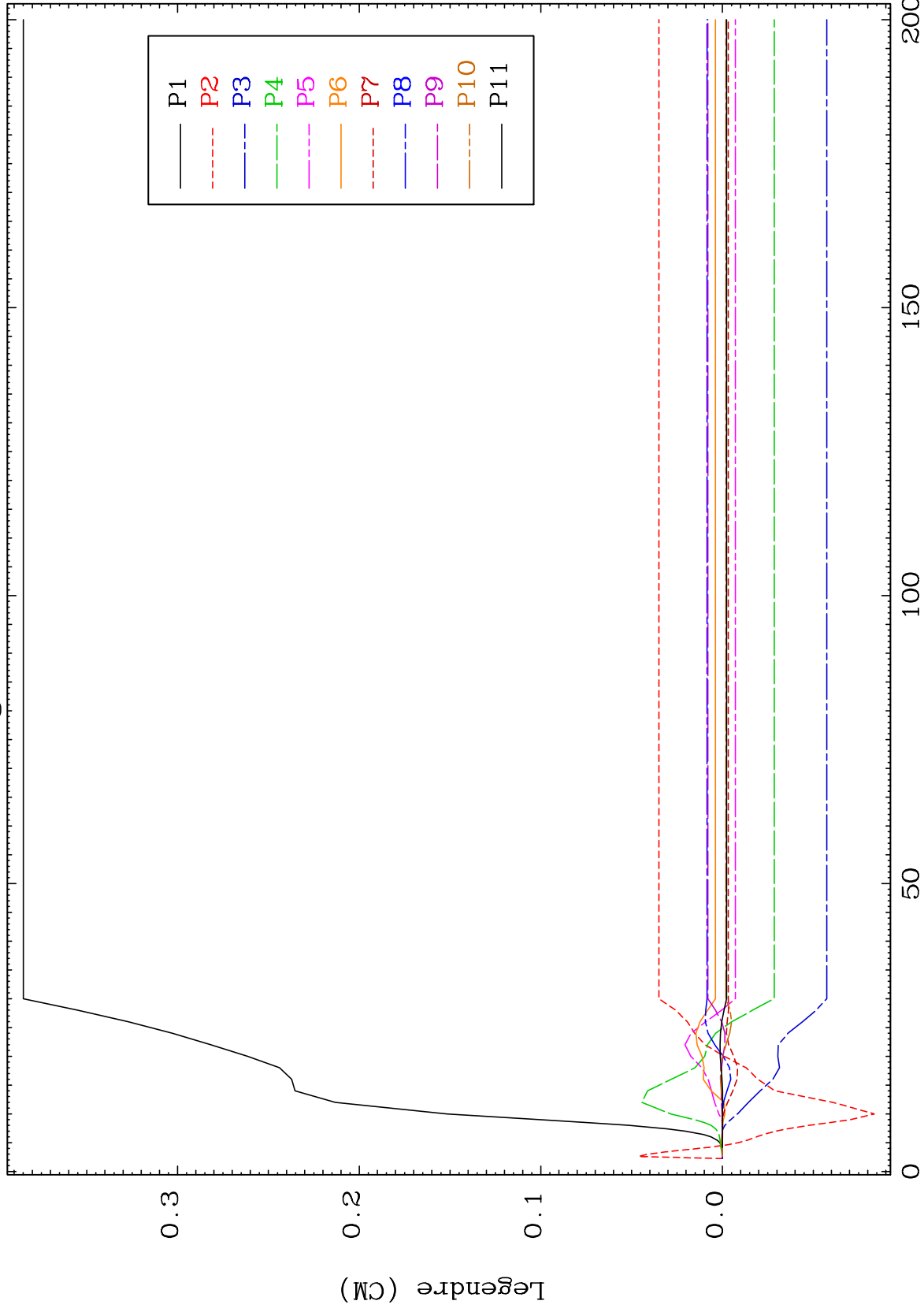
31-Ga-77



MAT 3149

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

<sup>31</sup>Ga-77



95

Incident Energy (MeV)

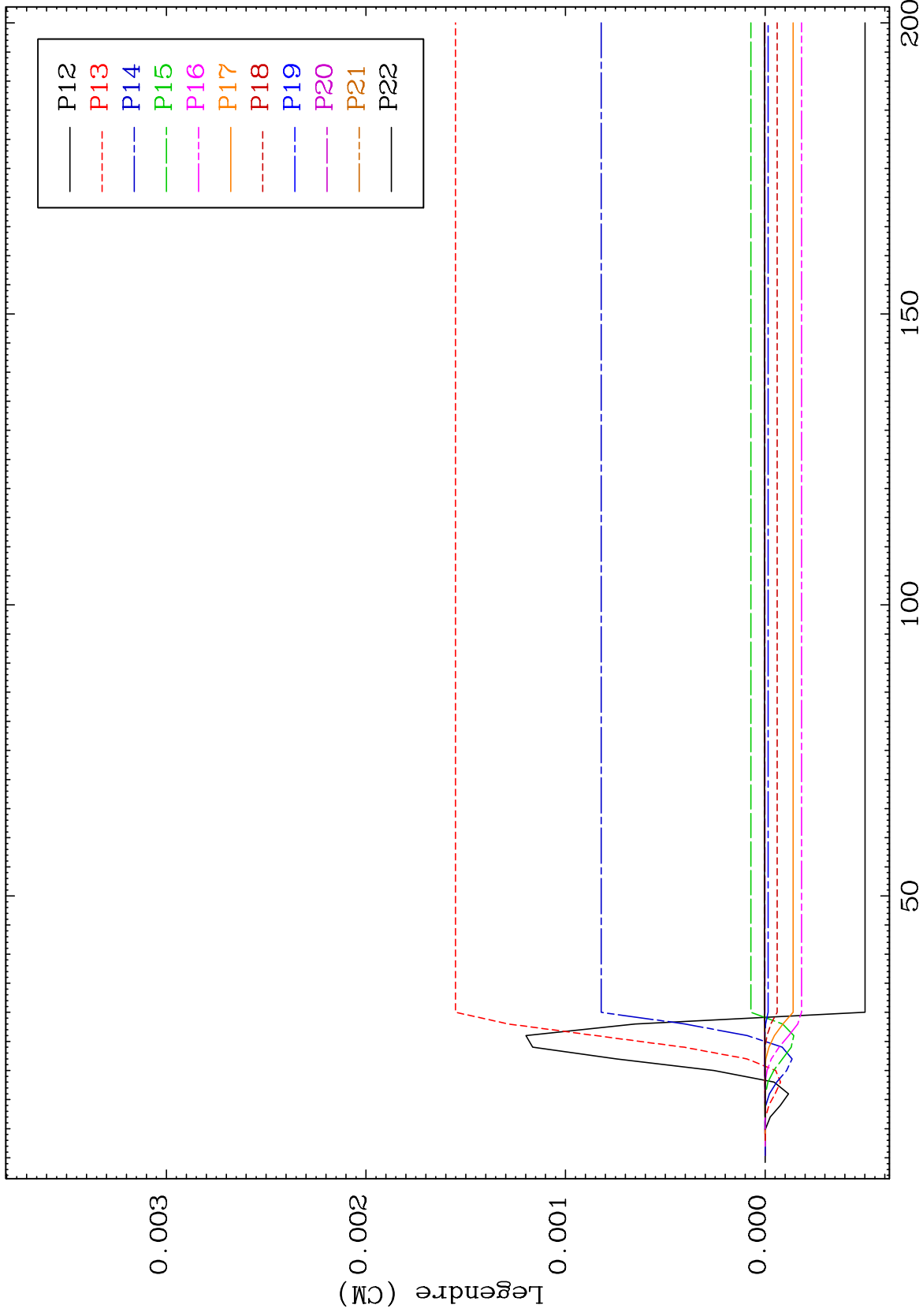
<sup>31</sup>Ga-77



MAT 3149

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

31-Ga-77



96

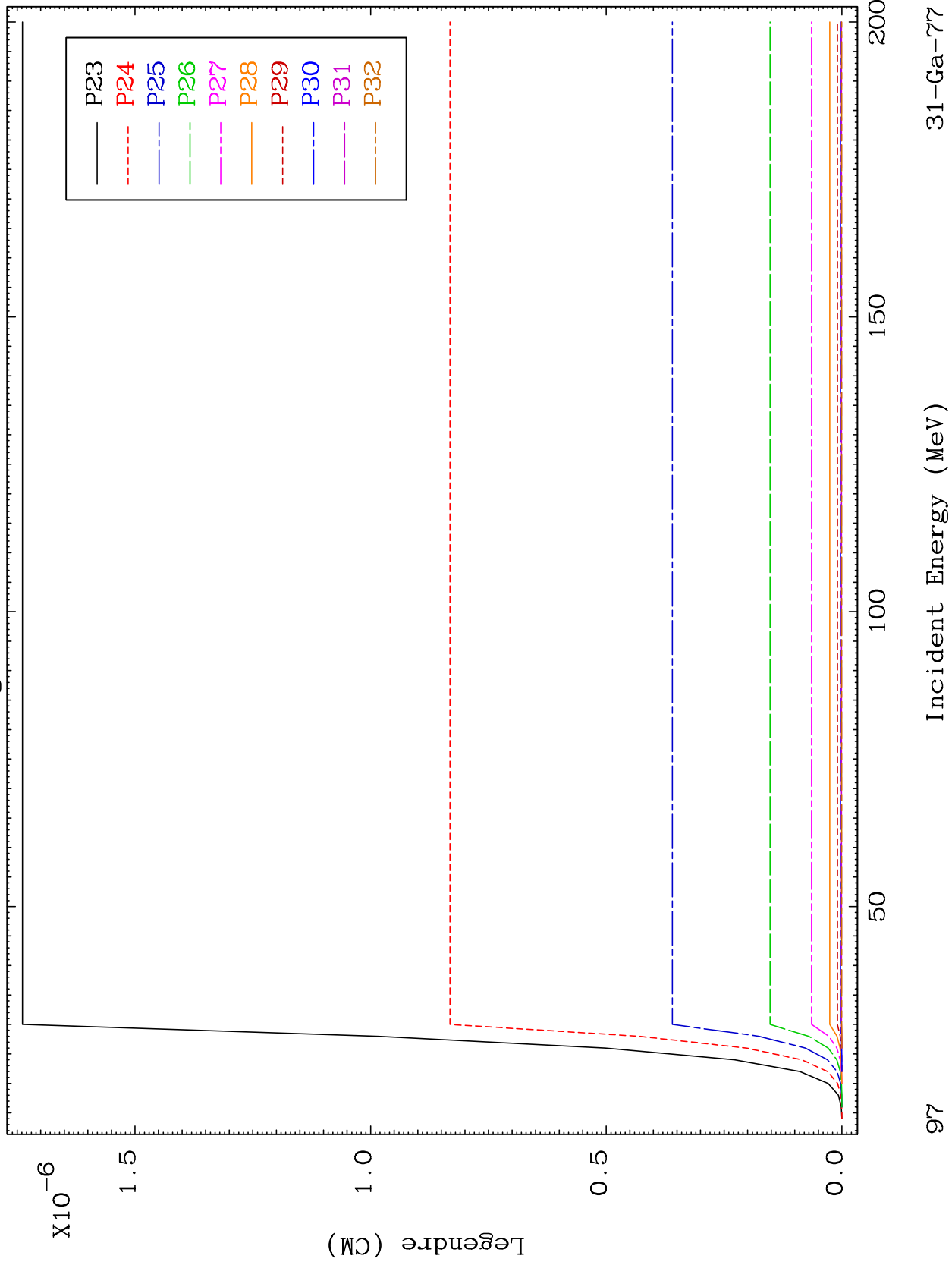
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



97

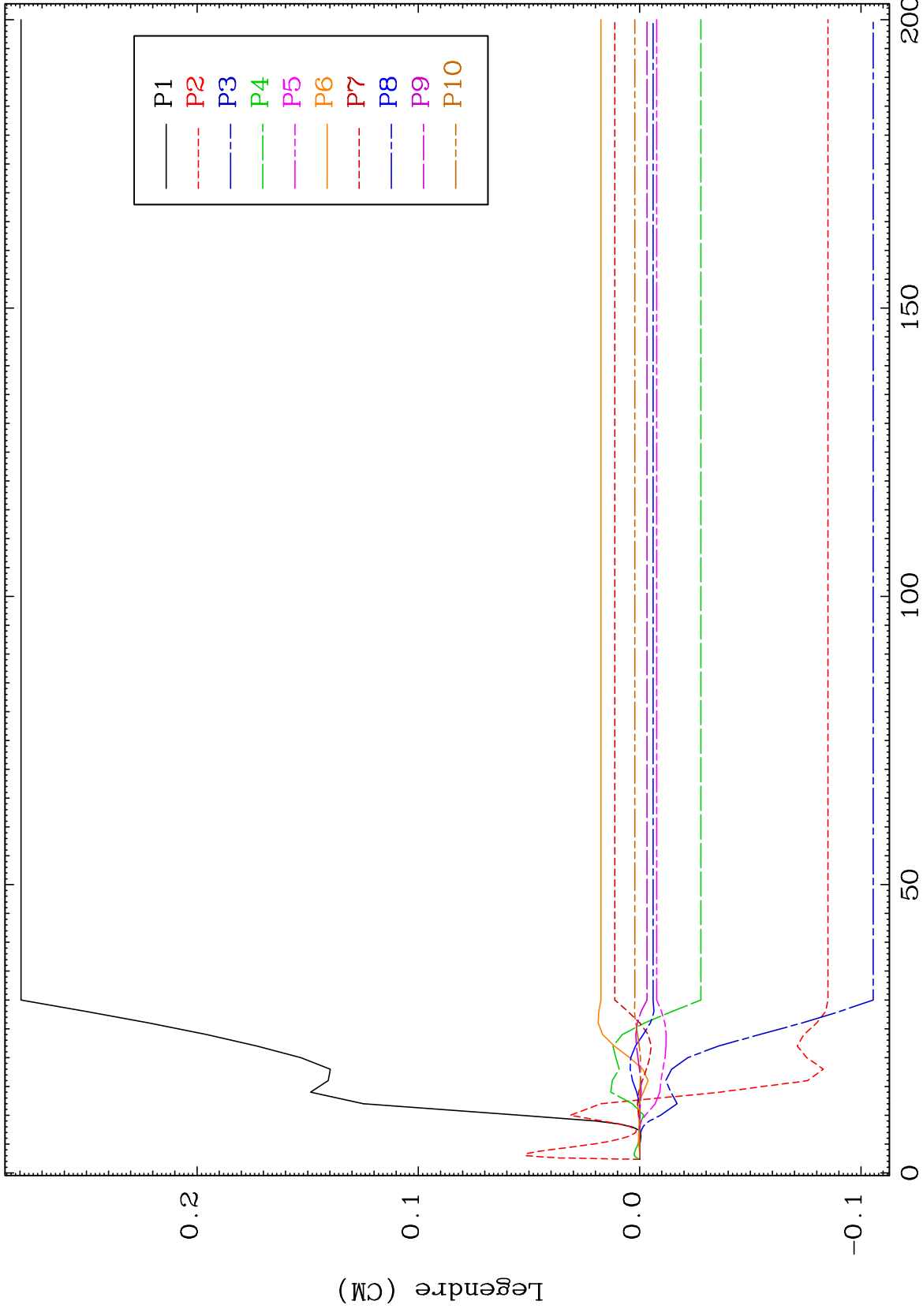
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



98

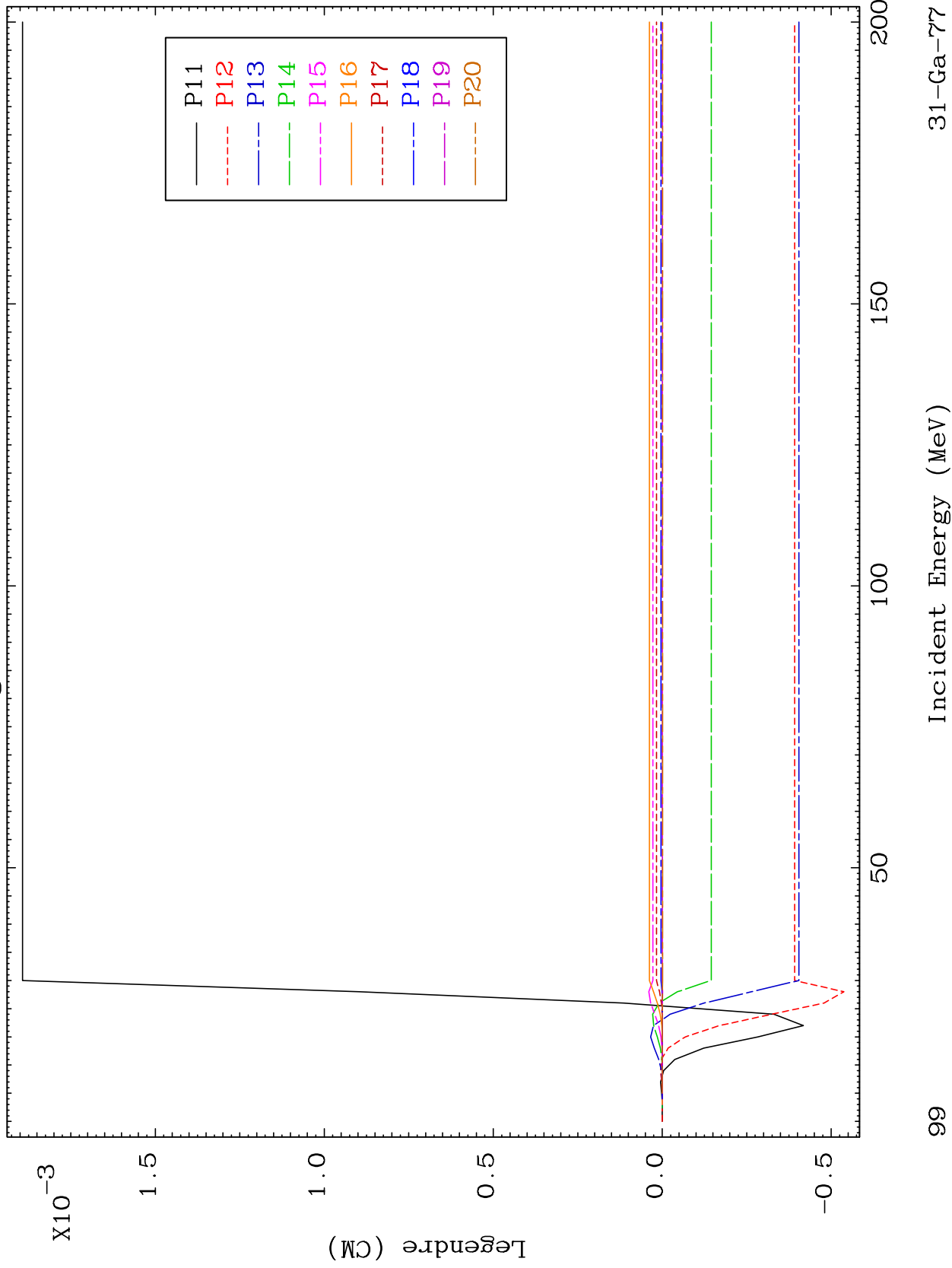
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77

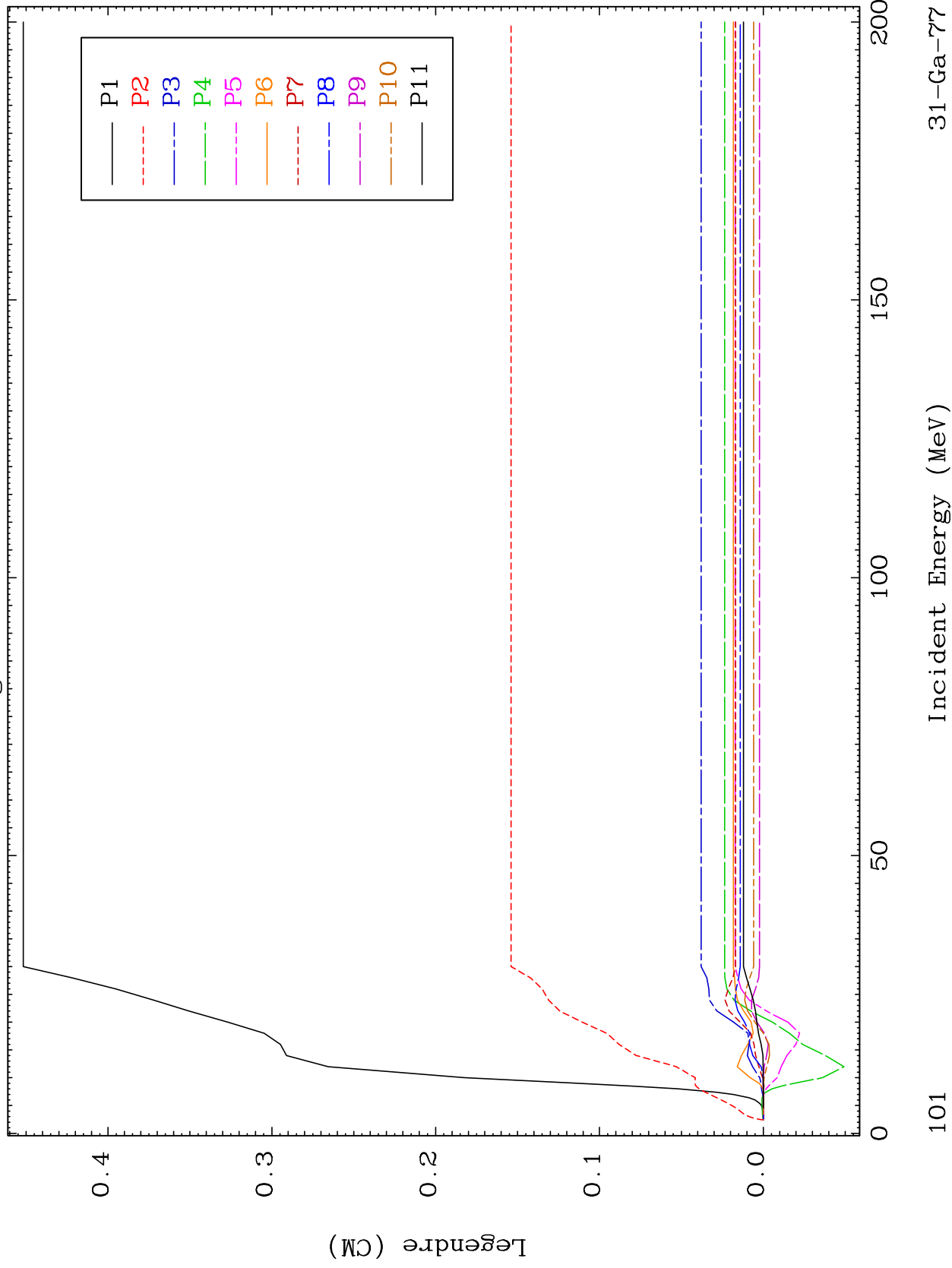




MAT 3149

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

31-Ga-77



101

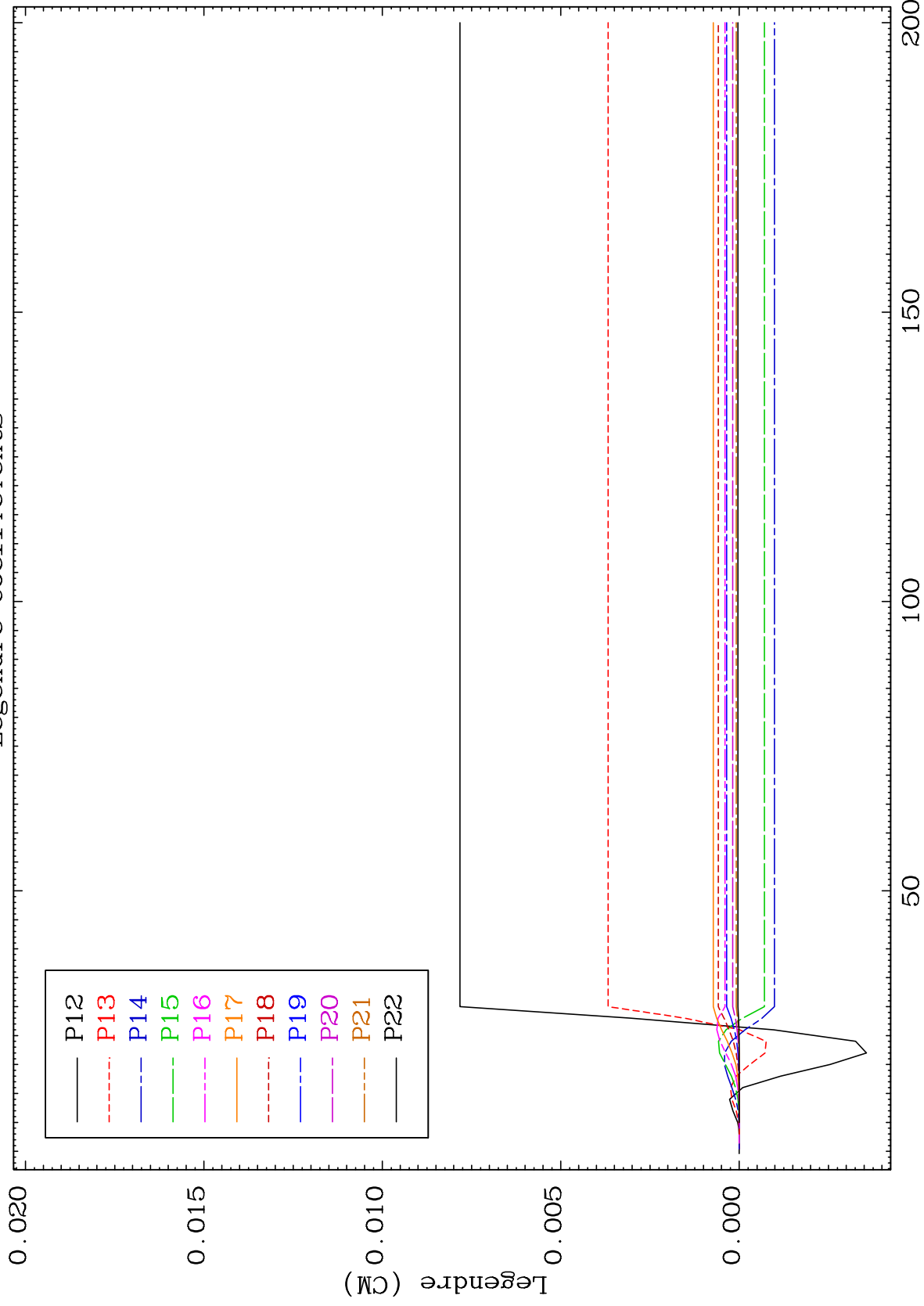
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



102

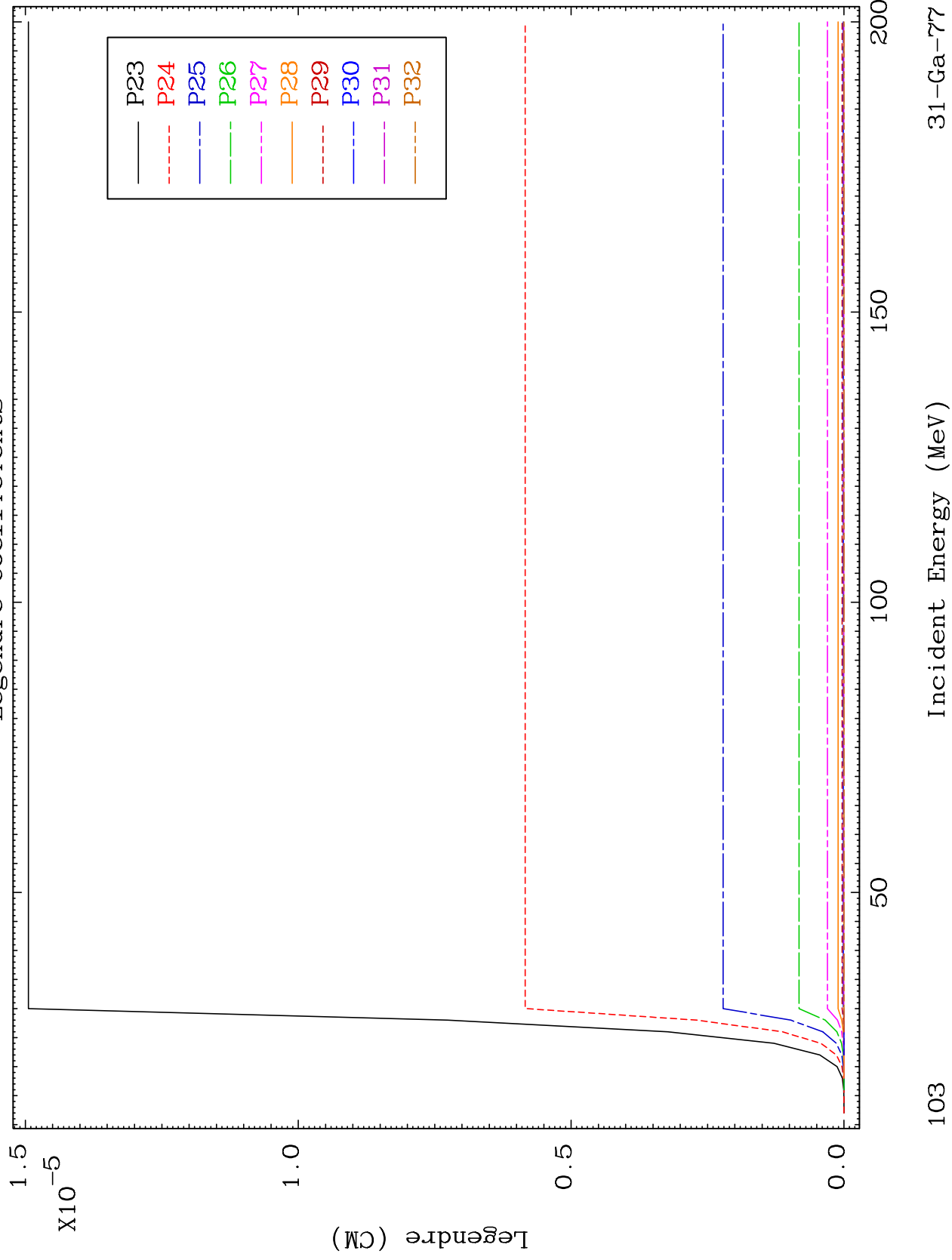
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



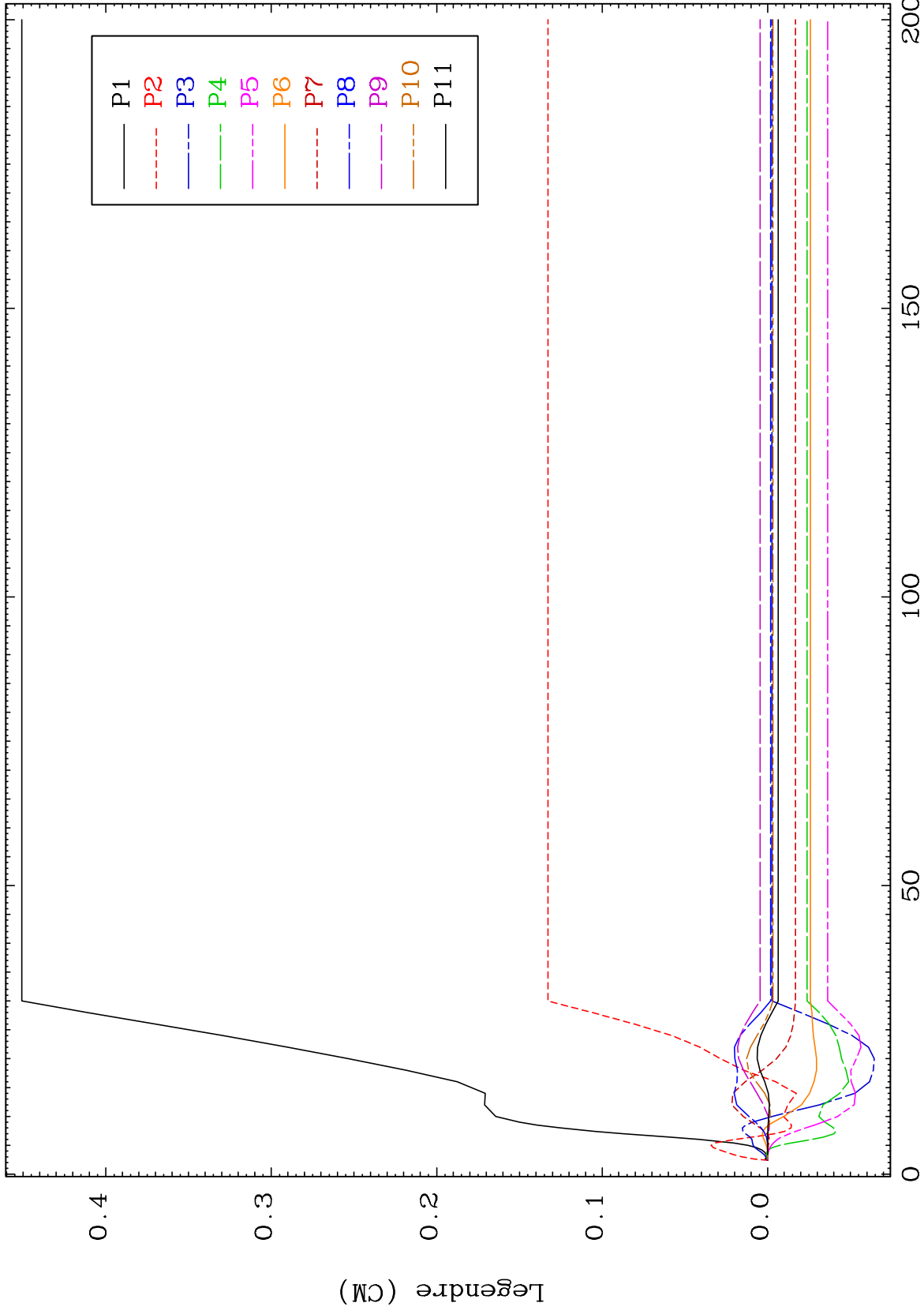
103



MAT 3149

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

31-Ga-77



104

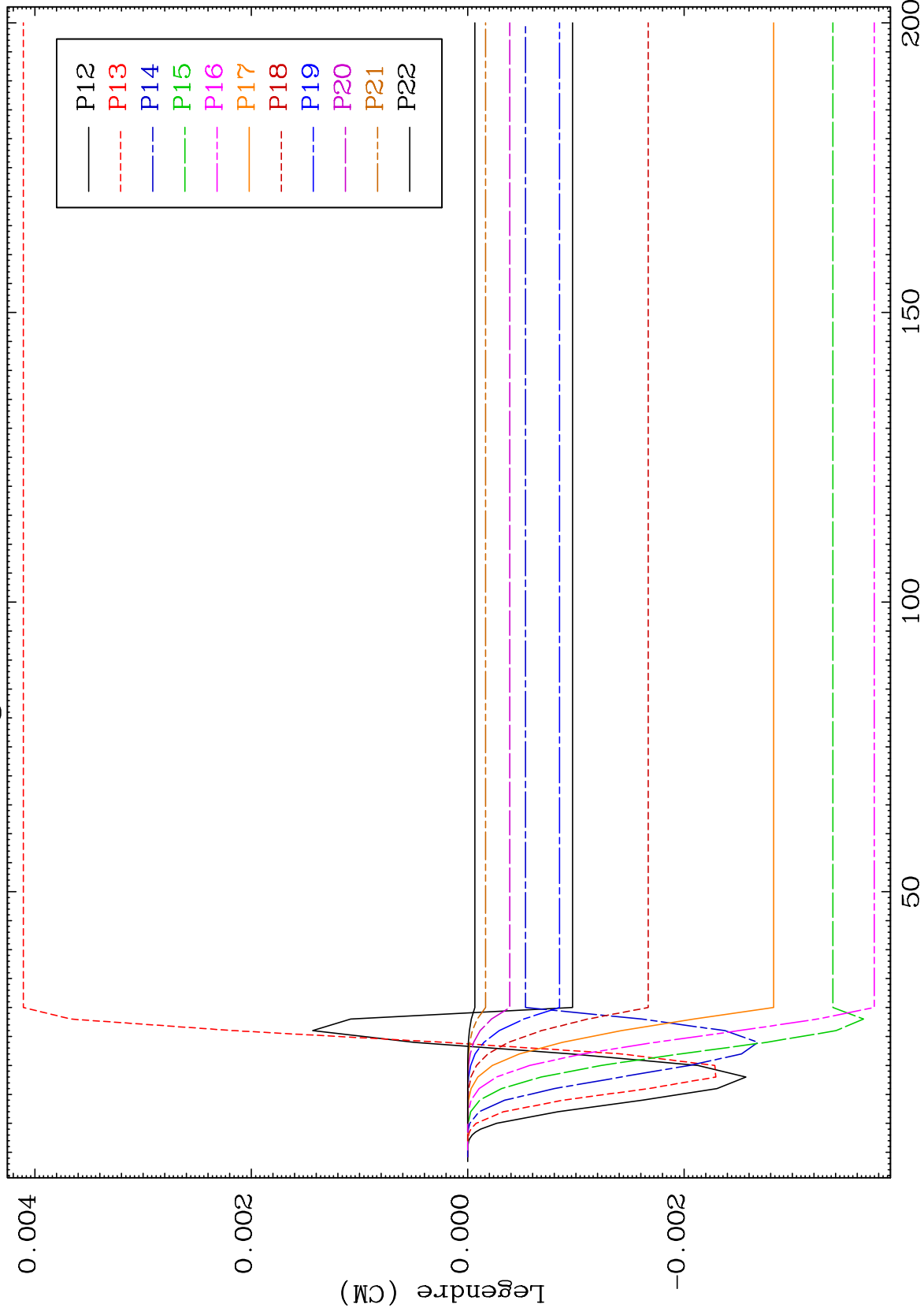
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

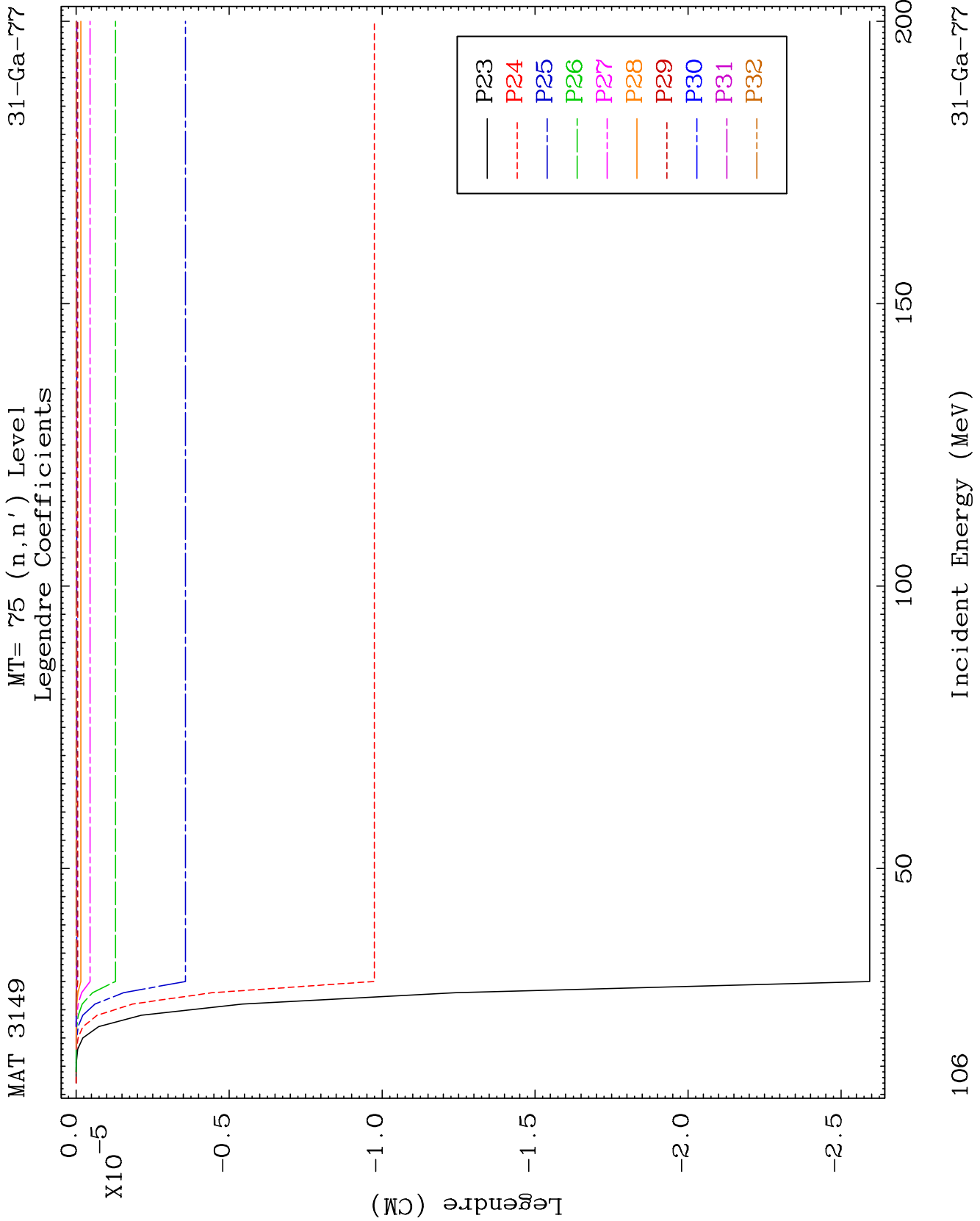
31-Ga-77

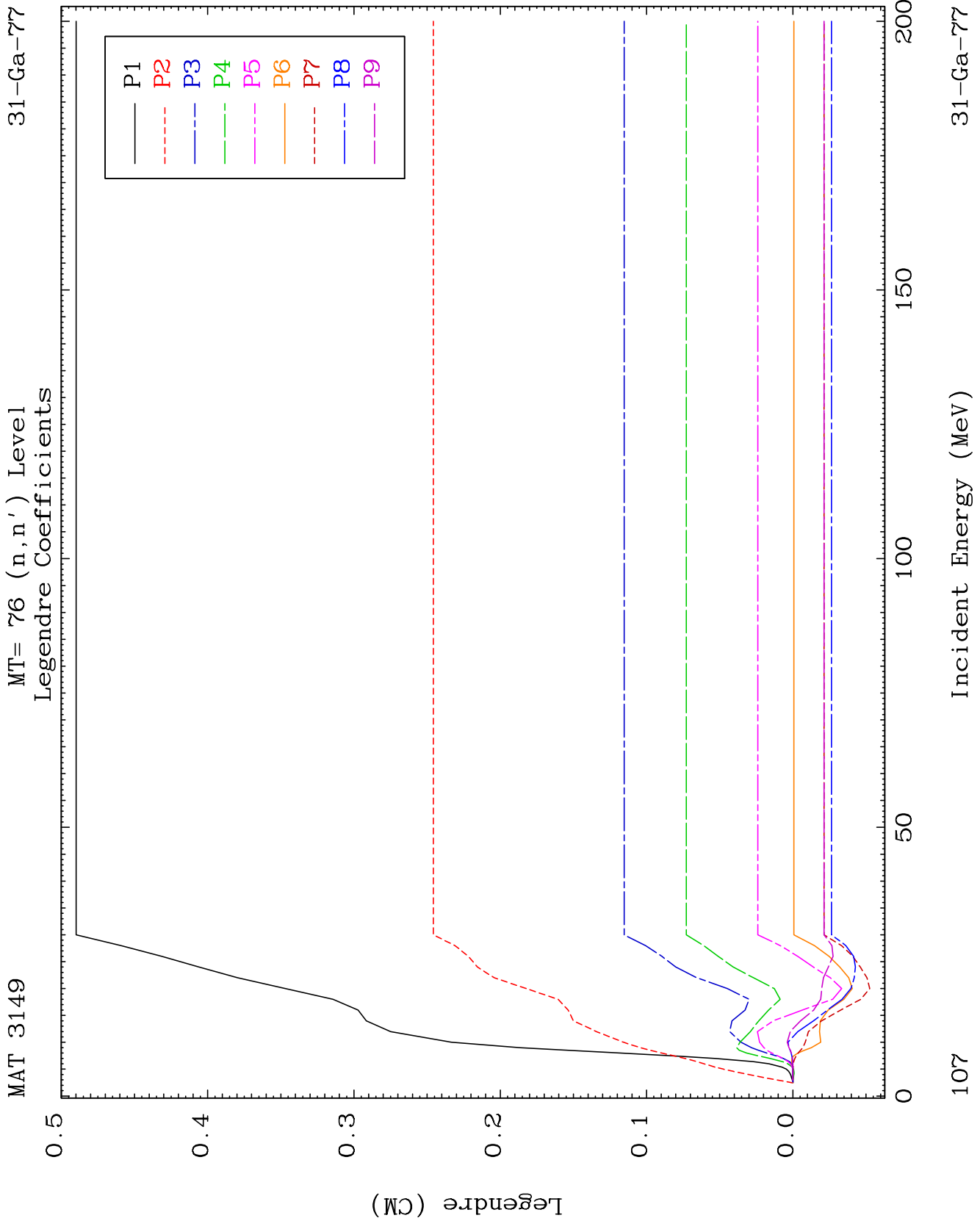


105

Incident Energy (MeV)

31-Ga-77

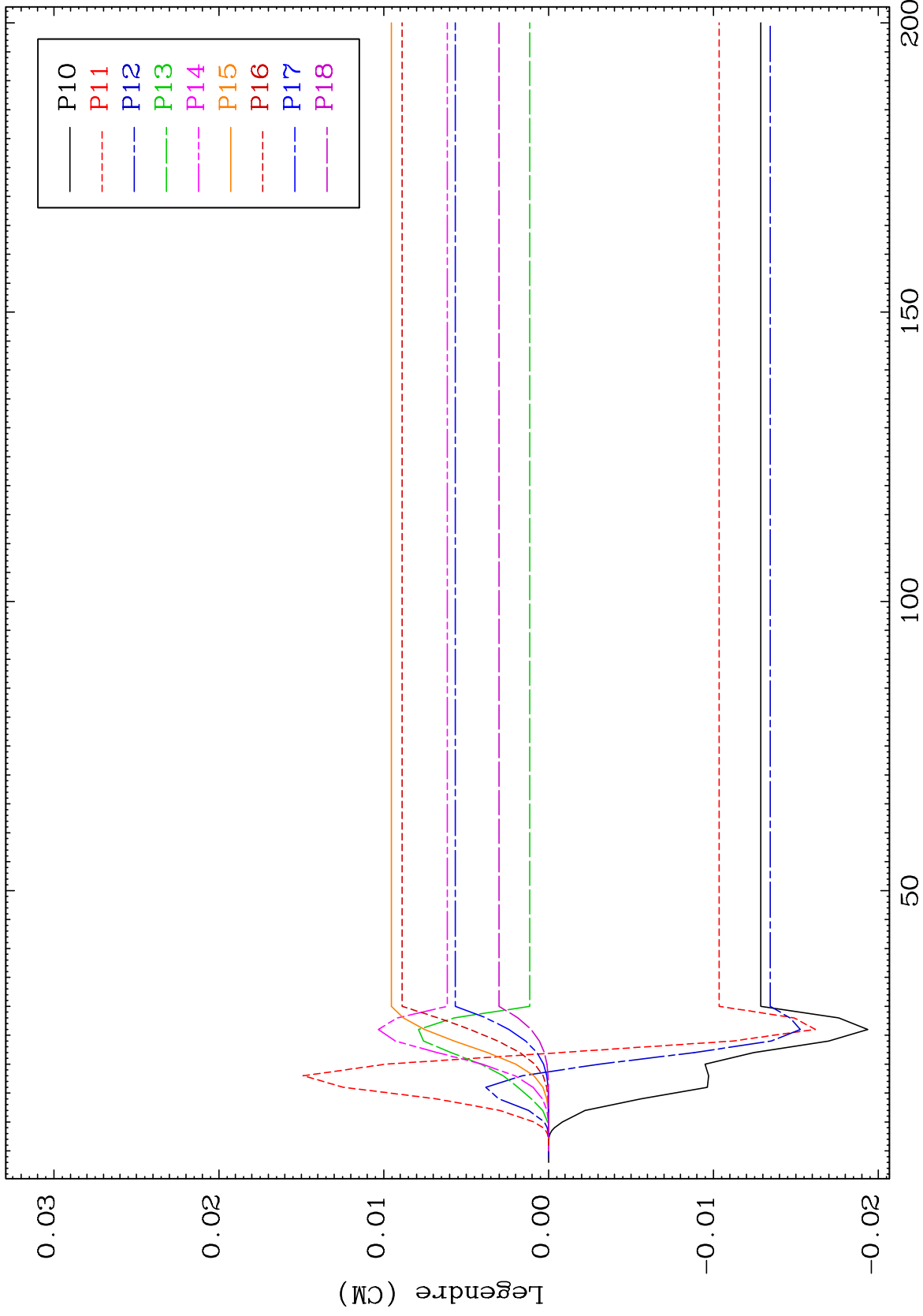




MAT 3149

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

31-Ga-77



108

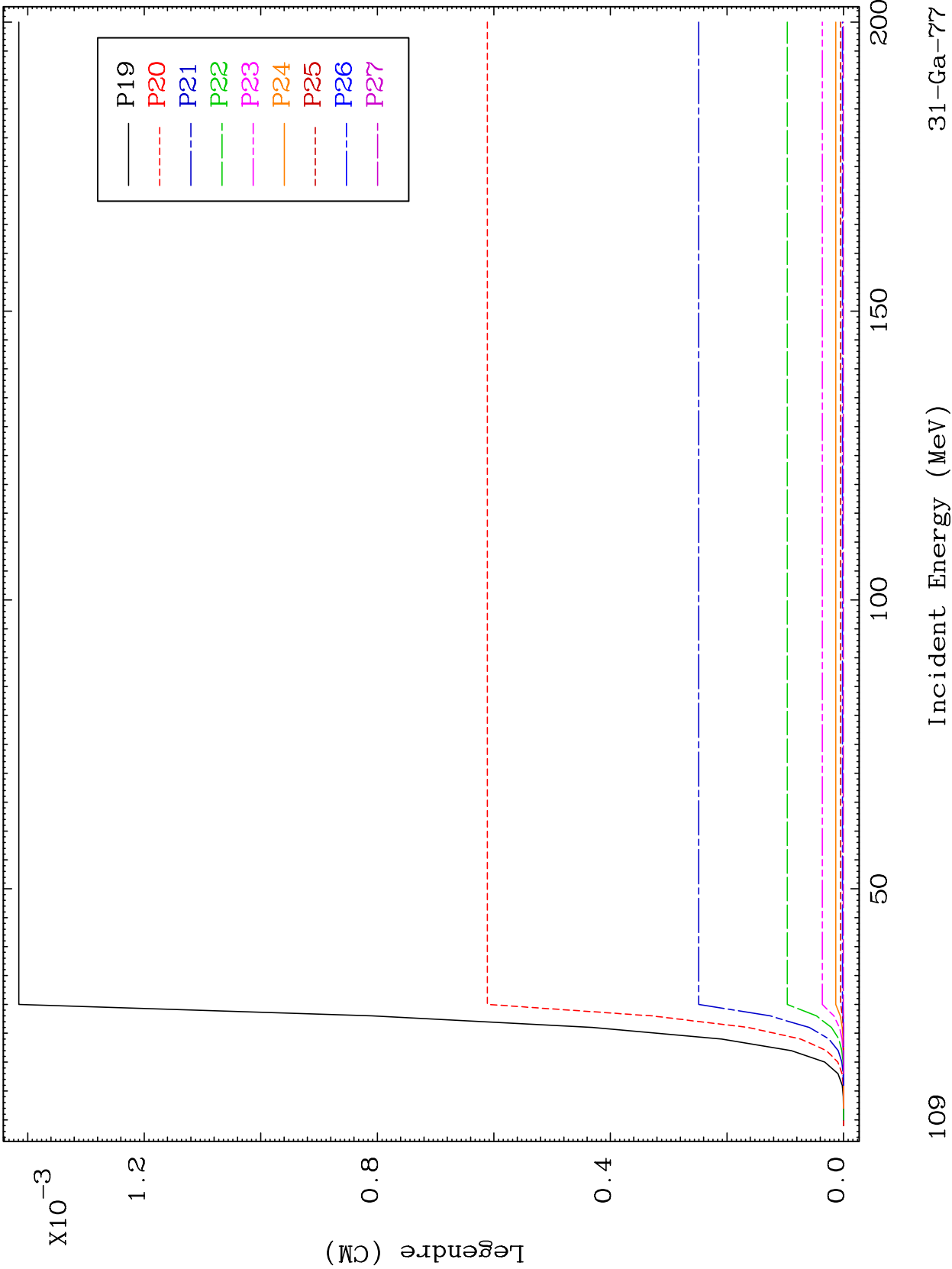
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



109

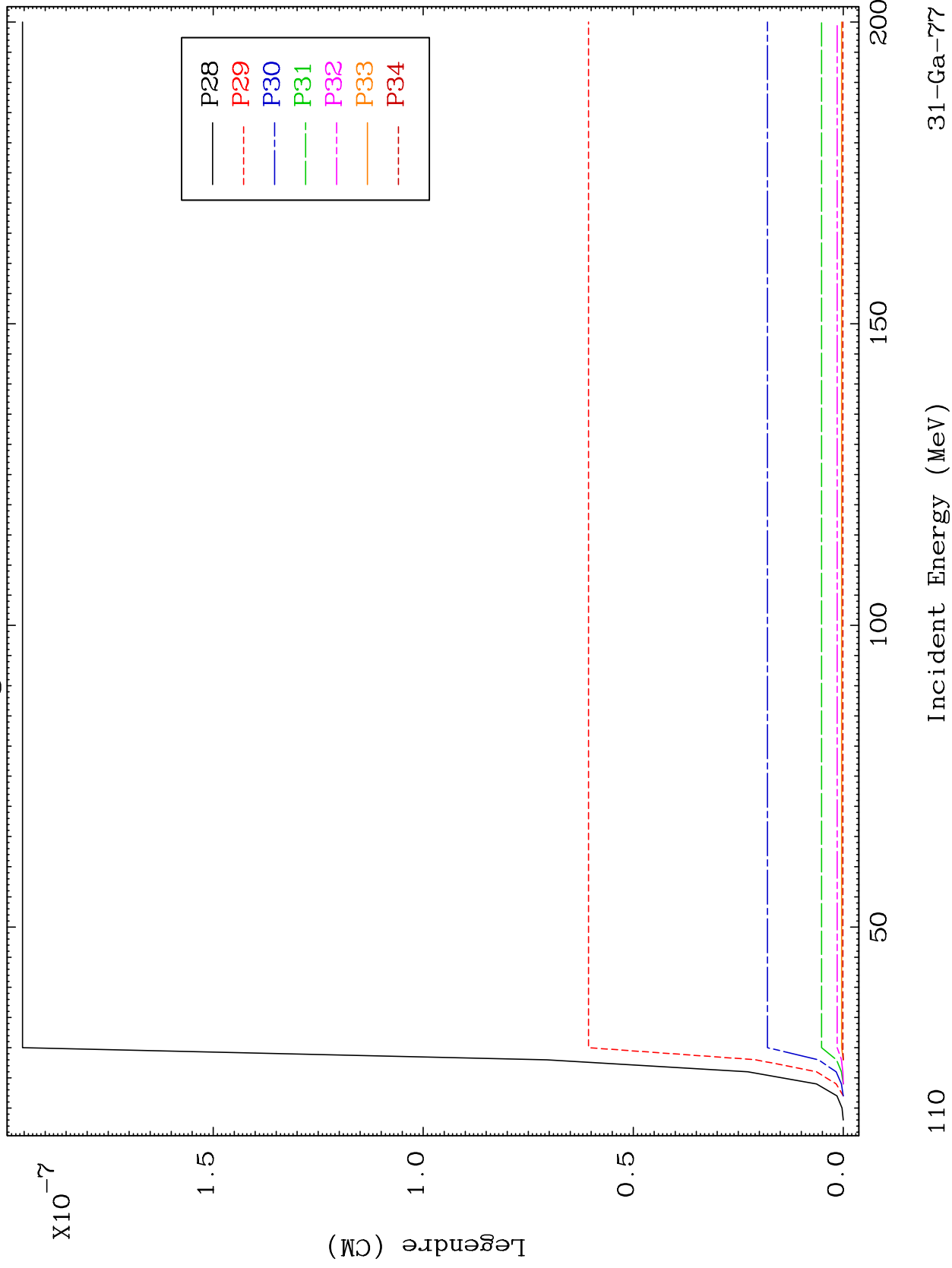
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

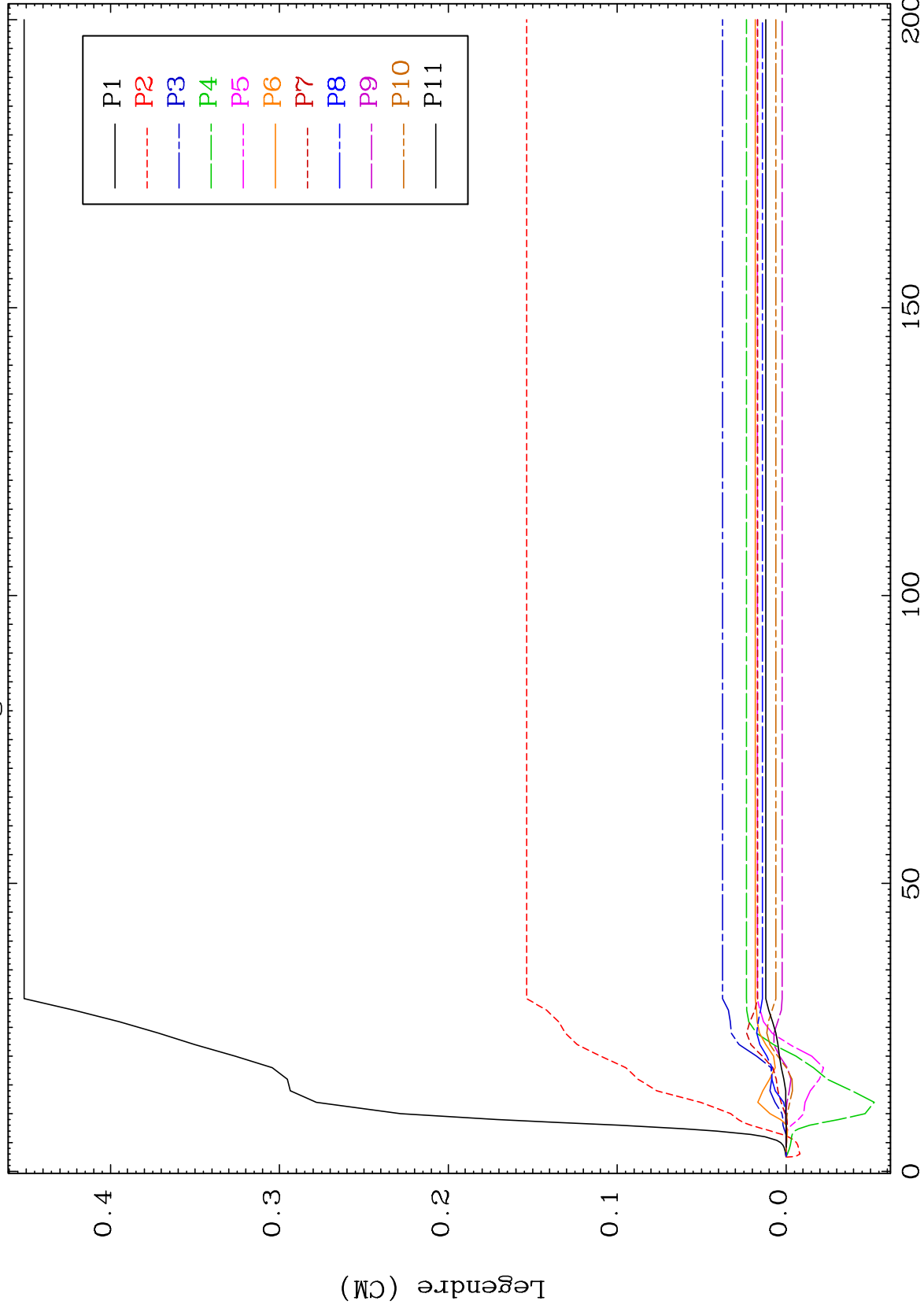
31-Ga-77



MAT 3149

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

31-Ga-77



111

Incident Energy (MeV)

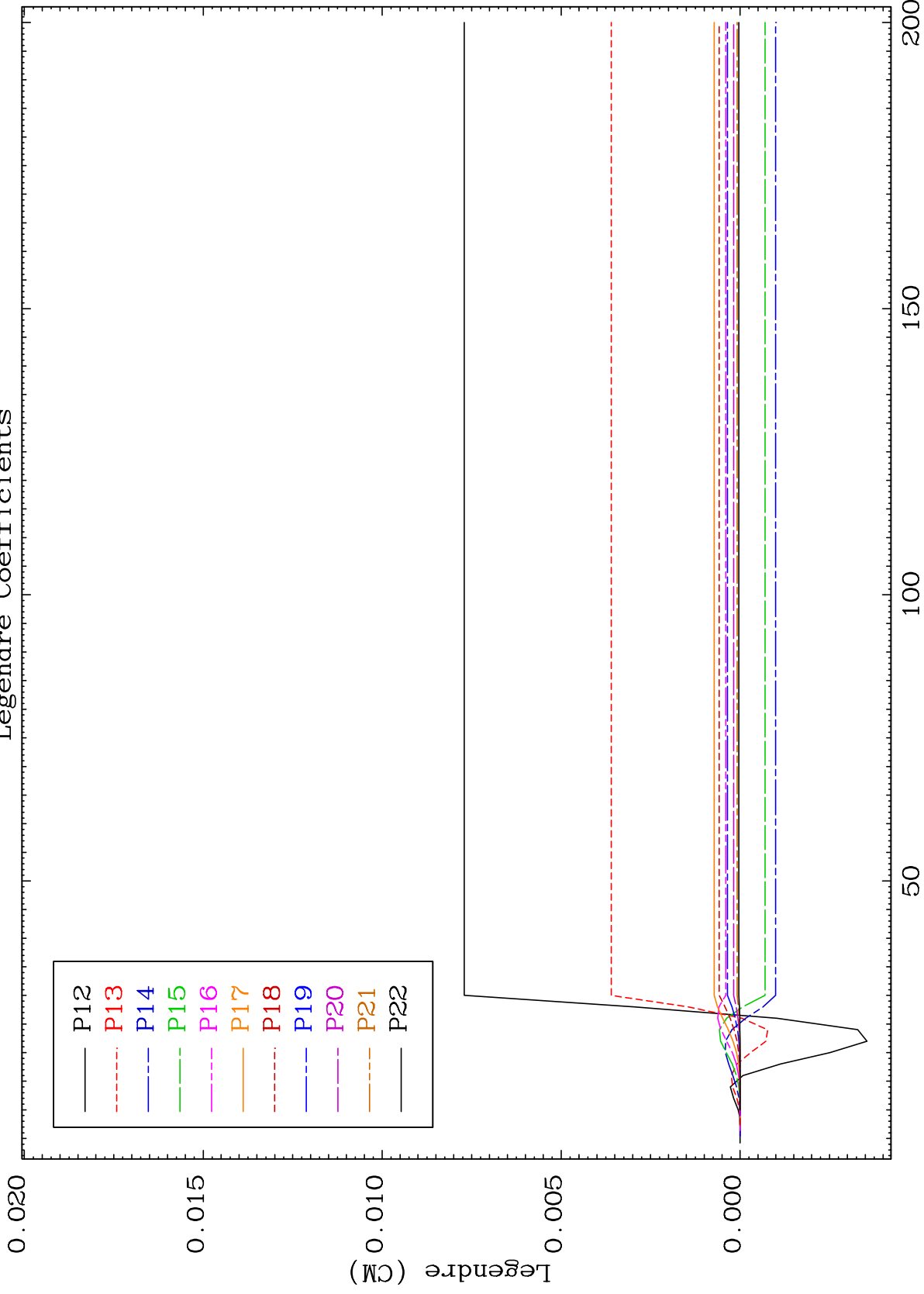
31-Ga-77



MAT 3149

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

31-Ga-77



112

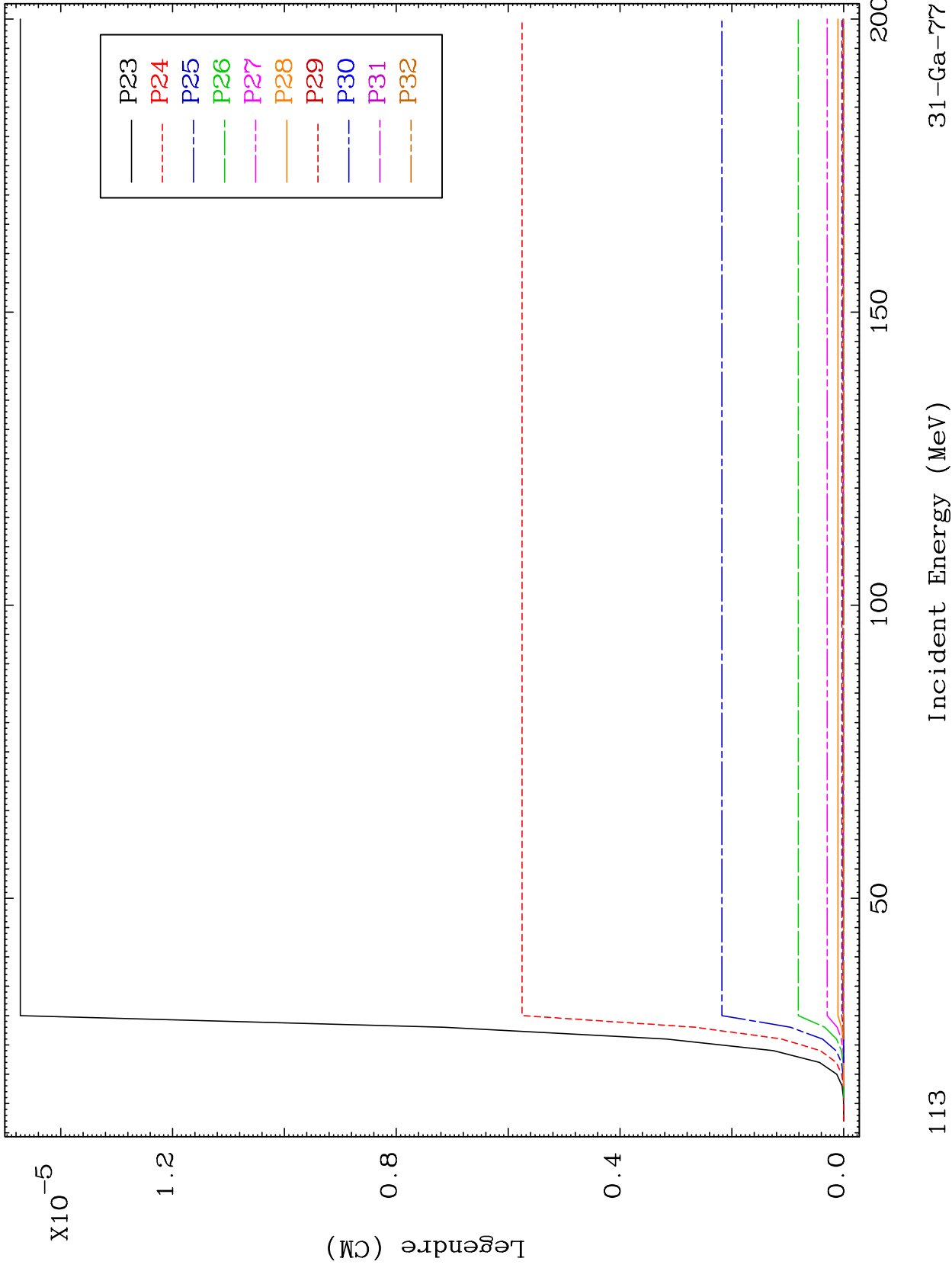
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



113

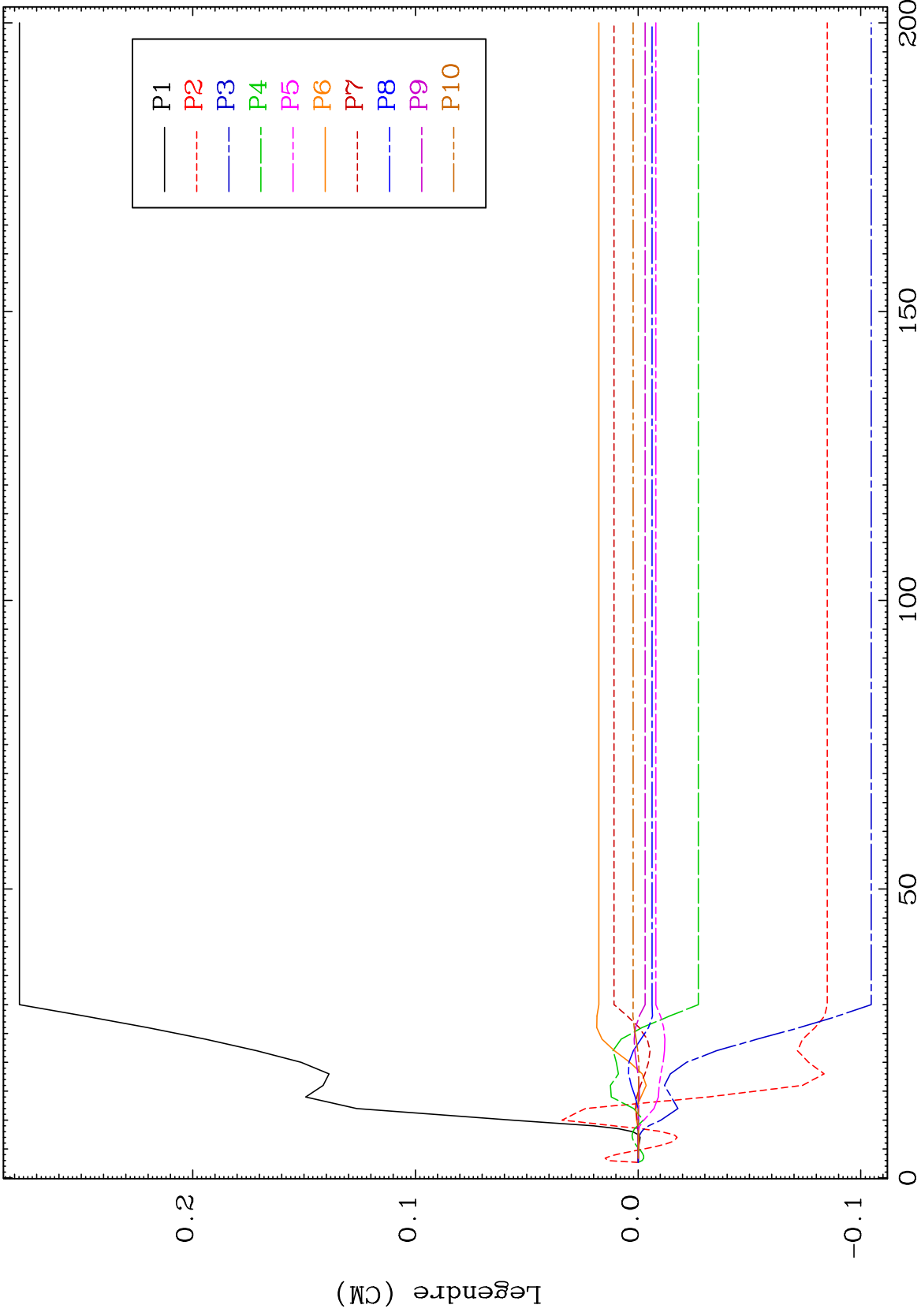
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



114

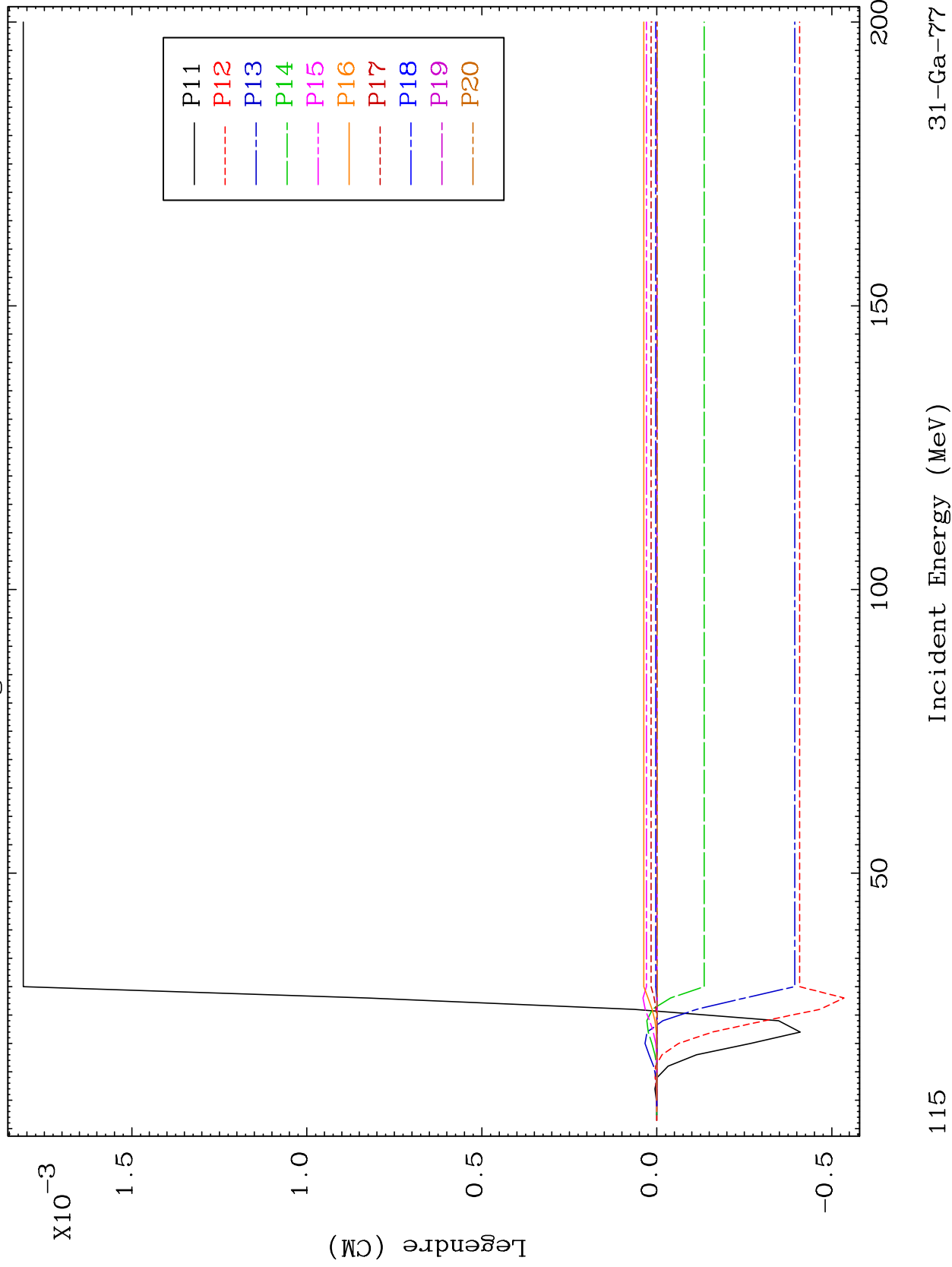
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



115

Incident Energy (MeV)

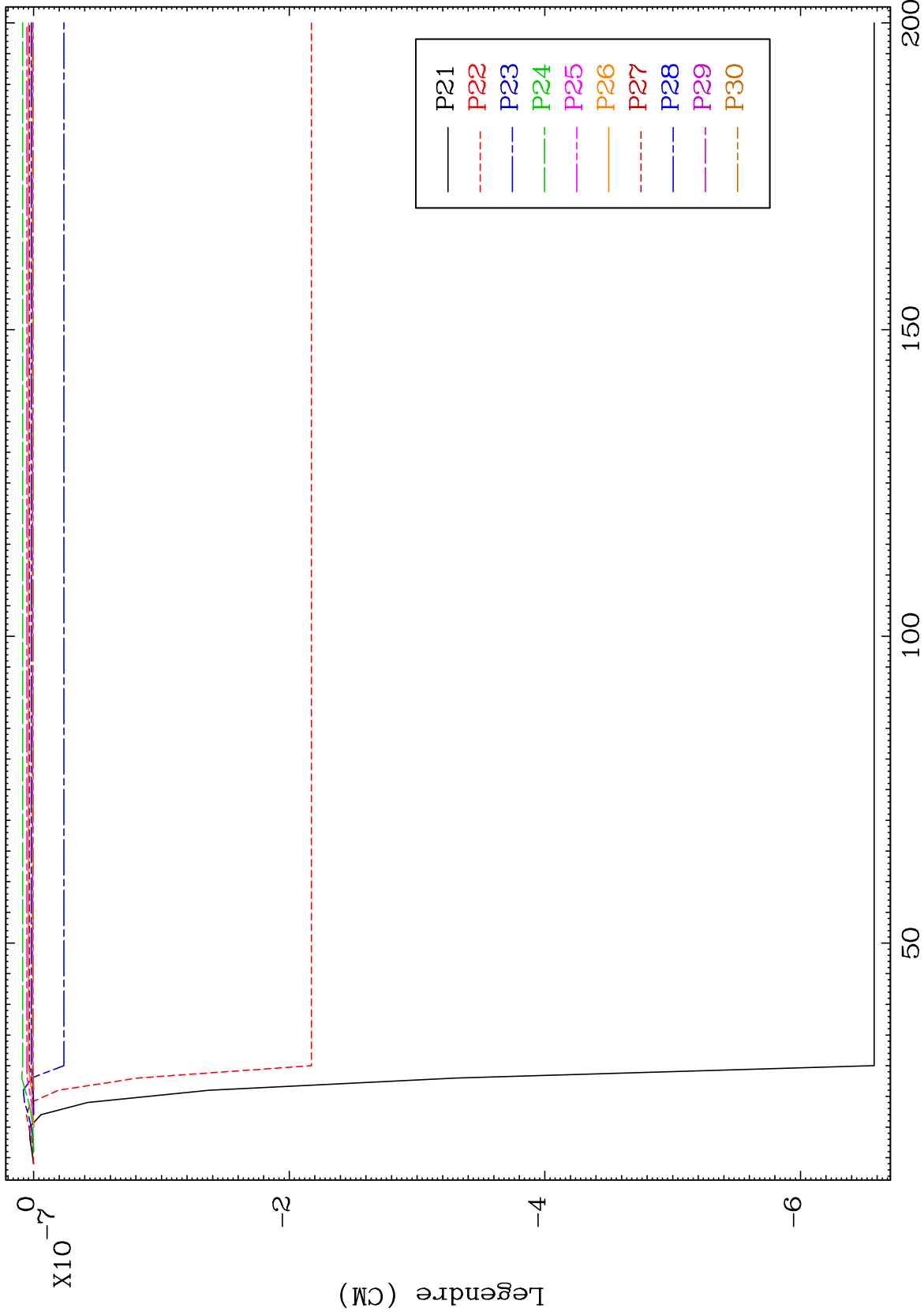
31-Ga-77

MAT 3149

MT= 78 (n,n') Level

31-Ga-77

Legendre Coefficients



116

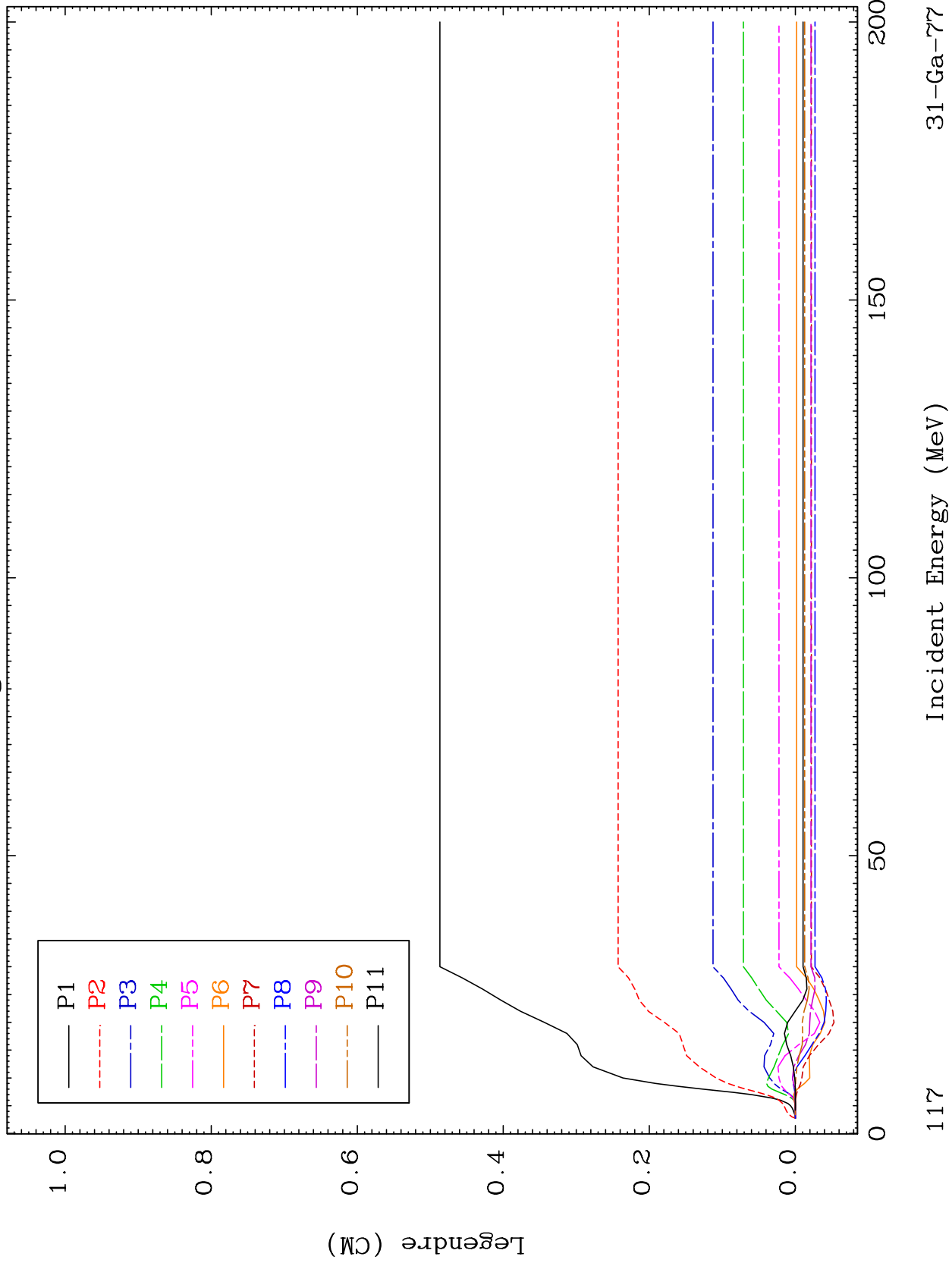
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77

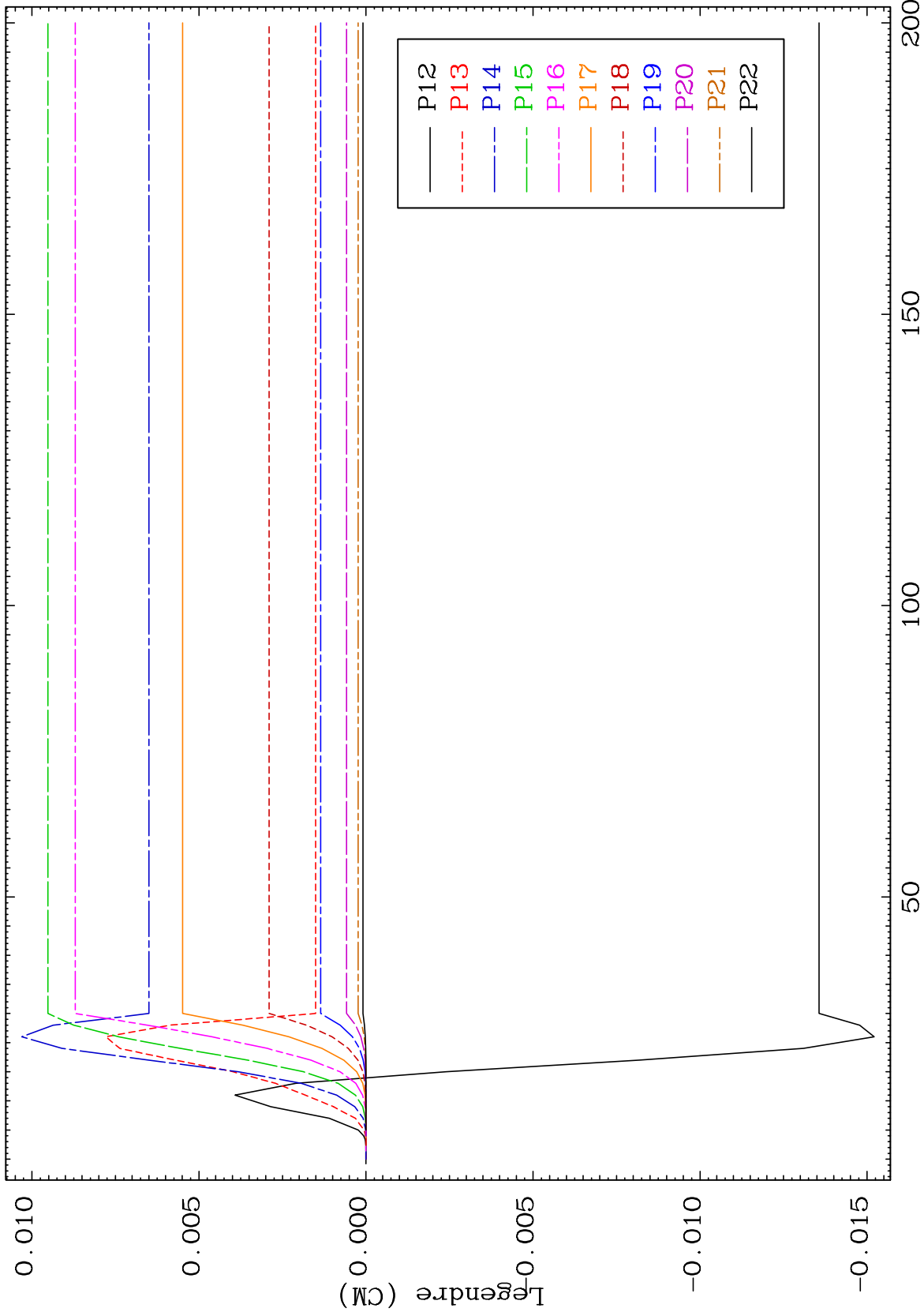


117

MAT 3149

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

31-Ga-77



118

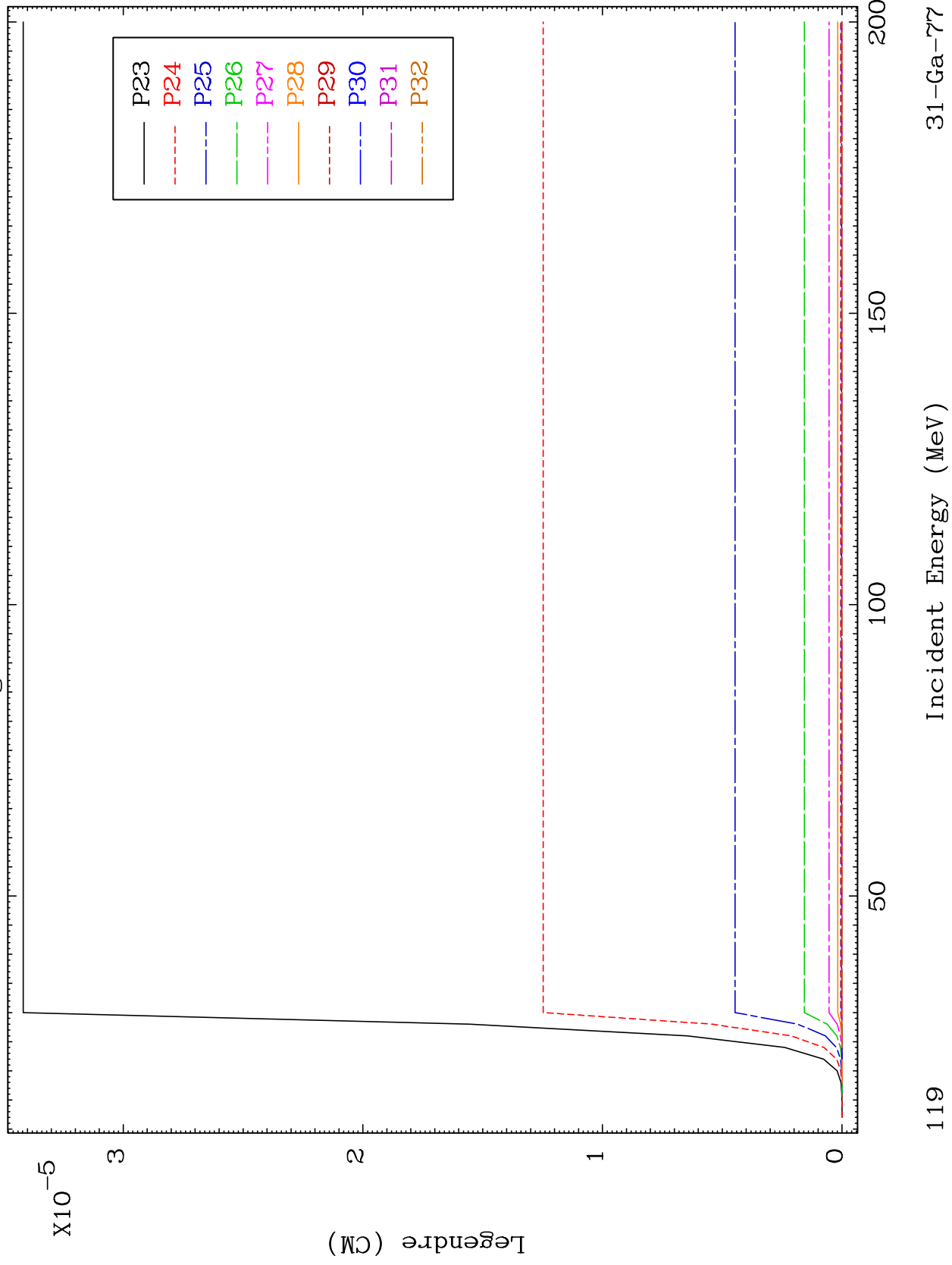
Incident Energy (MeV)

31-Ga-77

MAT 3149

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

31-Ga-77



119

Incident Energy (MeV)

31-Ga-77

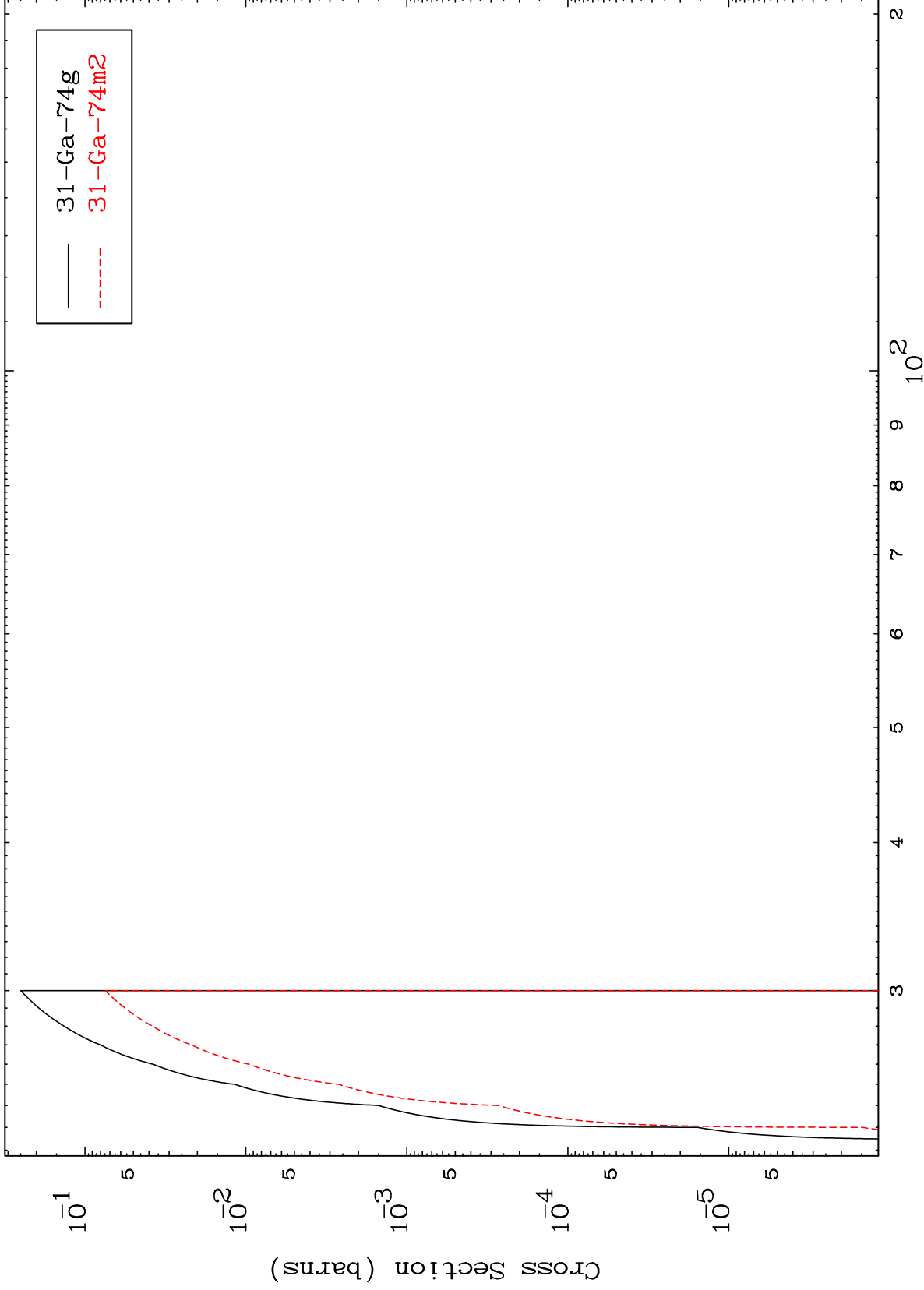


MAT 3149

(n,4n)

<sup>31</sup>Ga-77

Radionuclide Production Cross Section



120

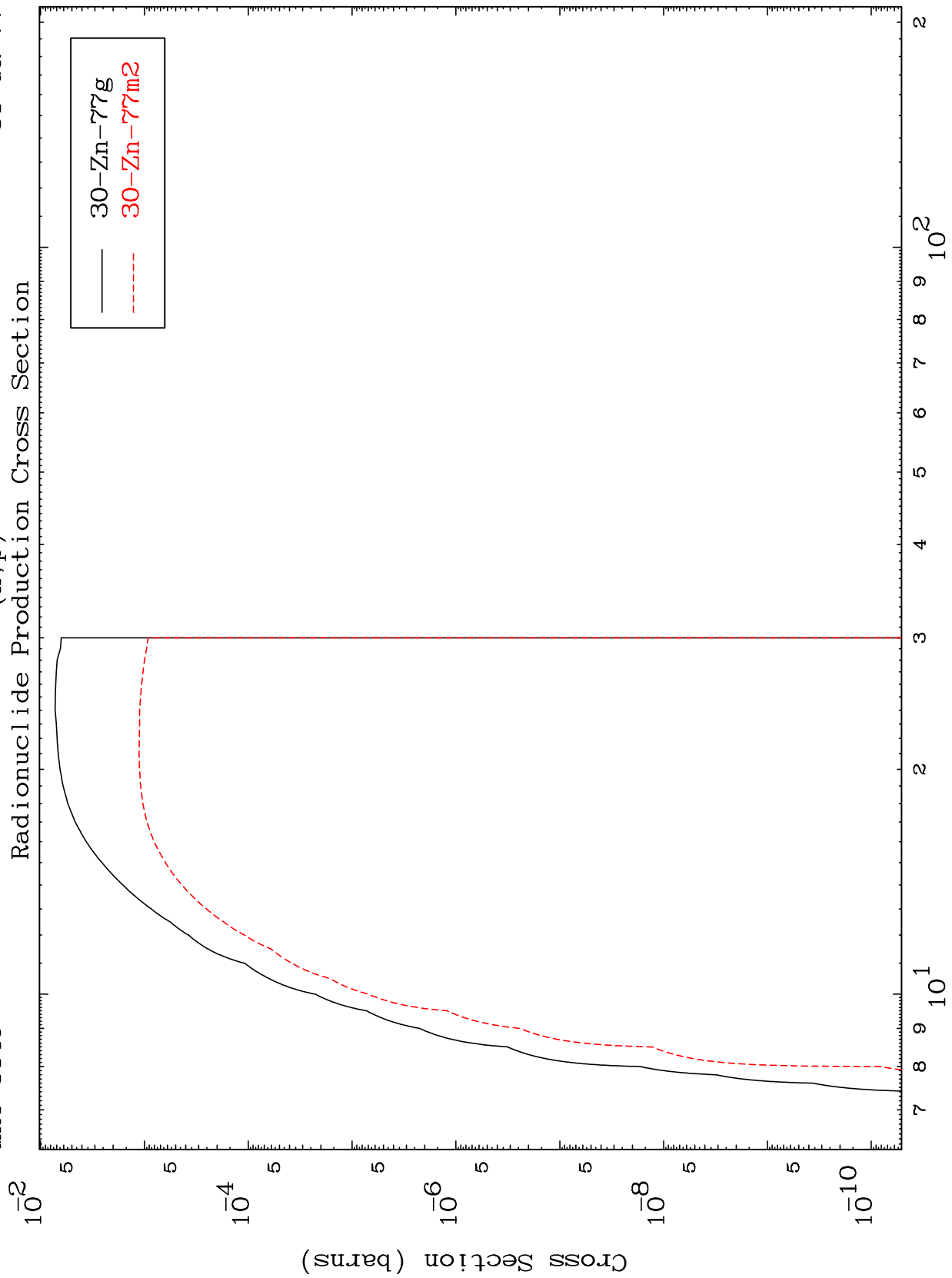
Incident Energy (MeV)

<sup>31</sup>Ga-77

MAT 3149

31-Ga-77

(n,p)  
Radionuclide Production Cross Section



121

Incident Energy (MeV)

31-Ga-77