

Program EVALPLOT  
(Version 2021-1)

by

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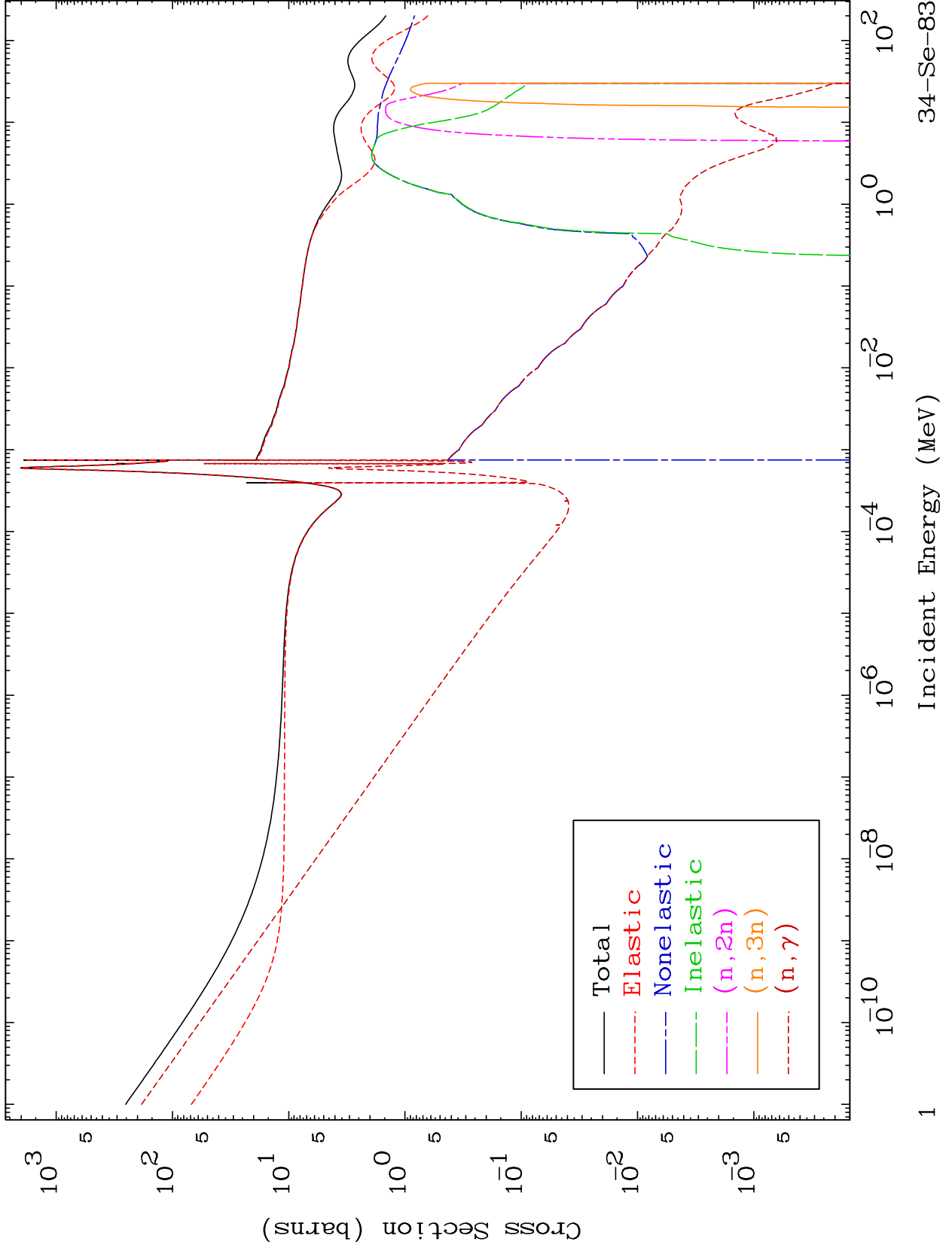
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3452

Neutron Major  
293 Kelvin Cross Sections

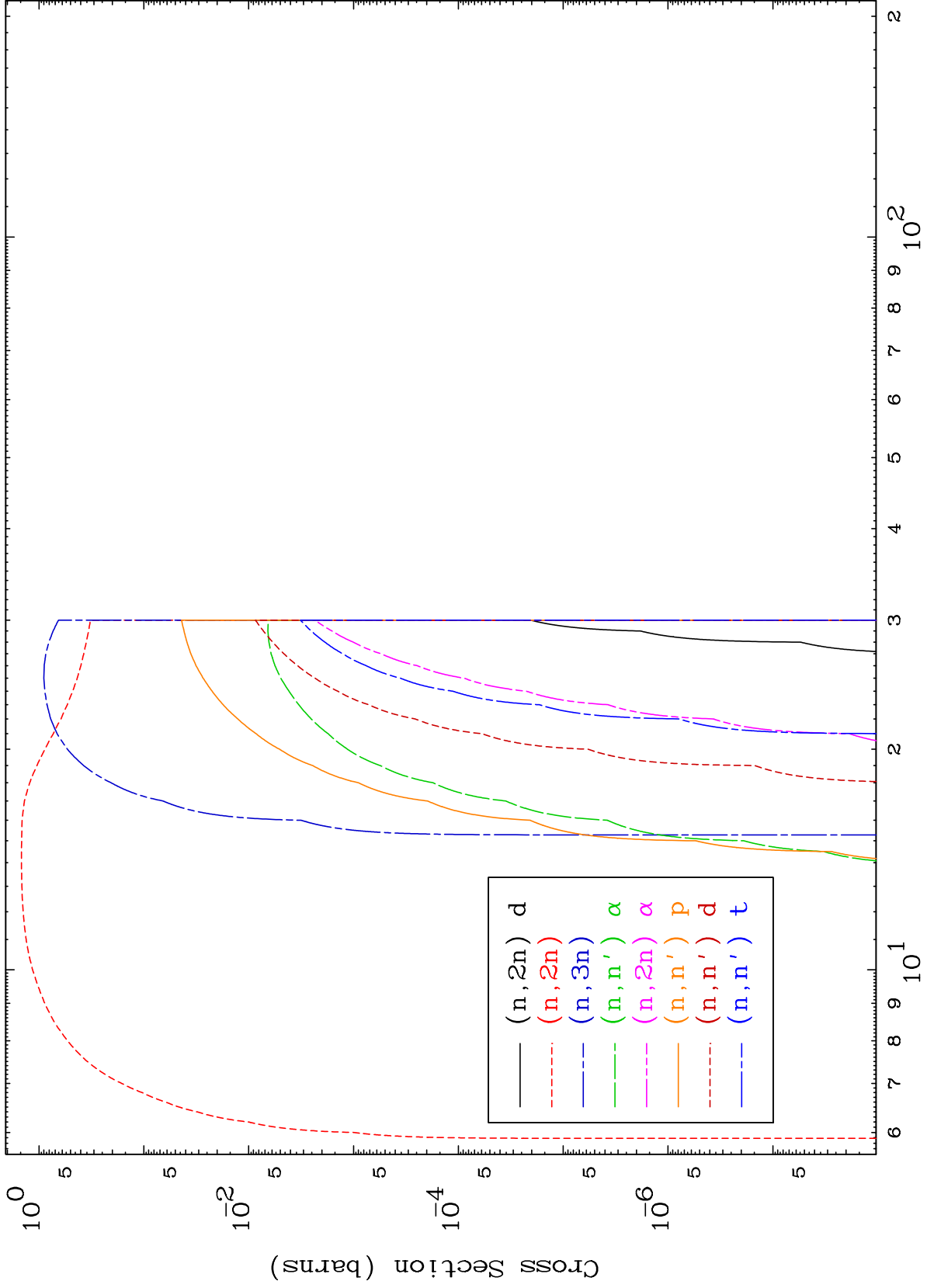
34-Se-83



MAT 3452

Neutron Absorption  
293 Kelvin Cross Sections

<sup>34</sup>Se-83



2

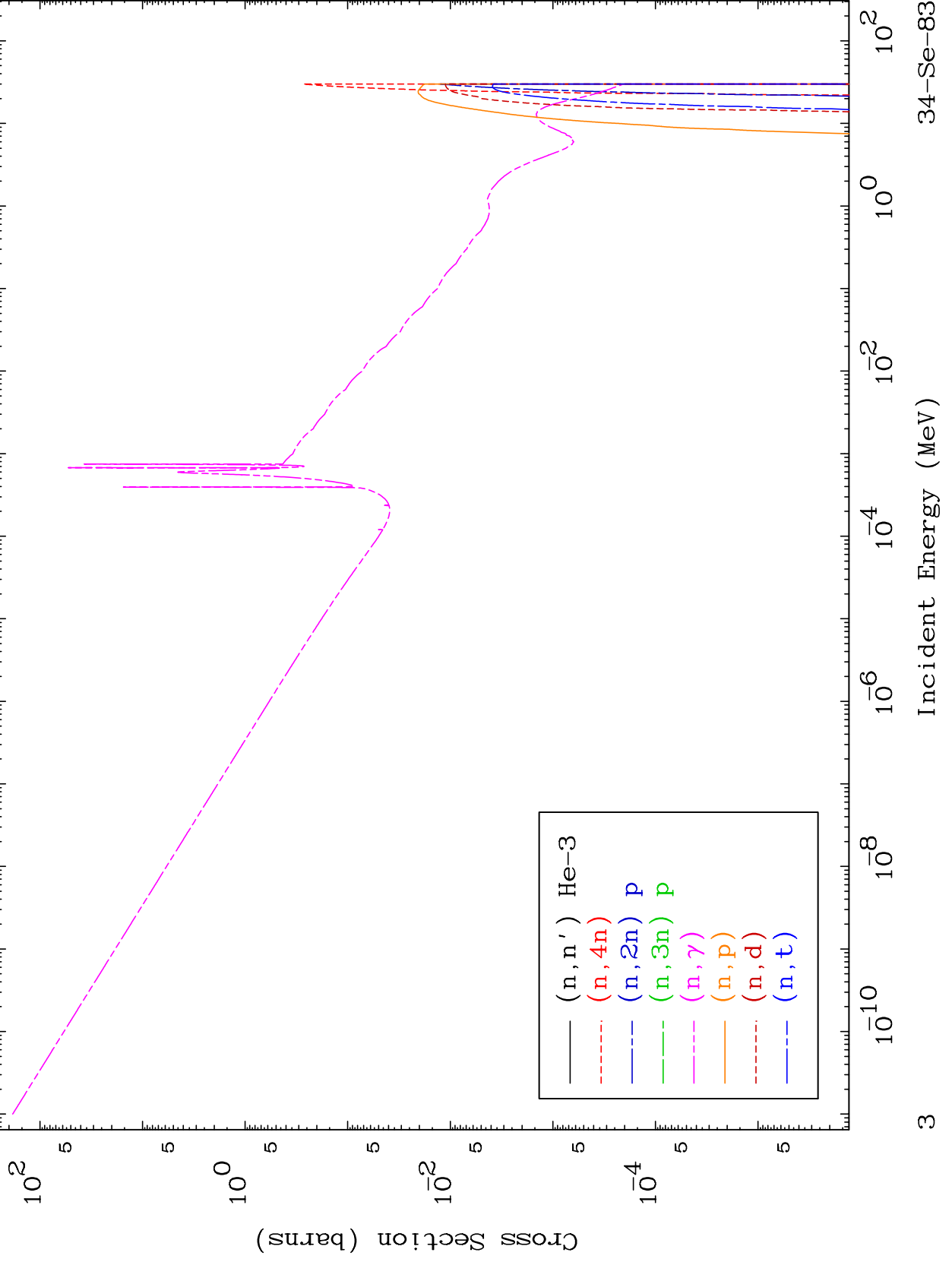
Incident Energy (MeV)

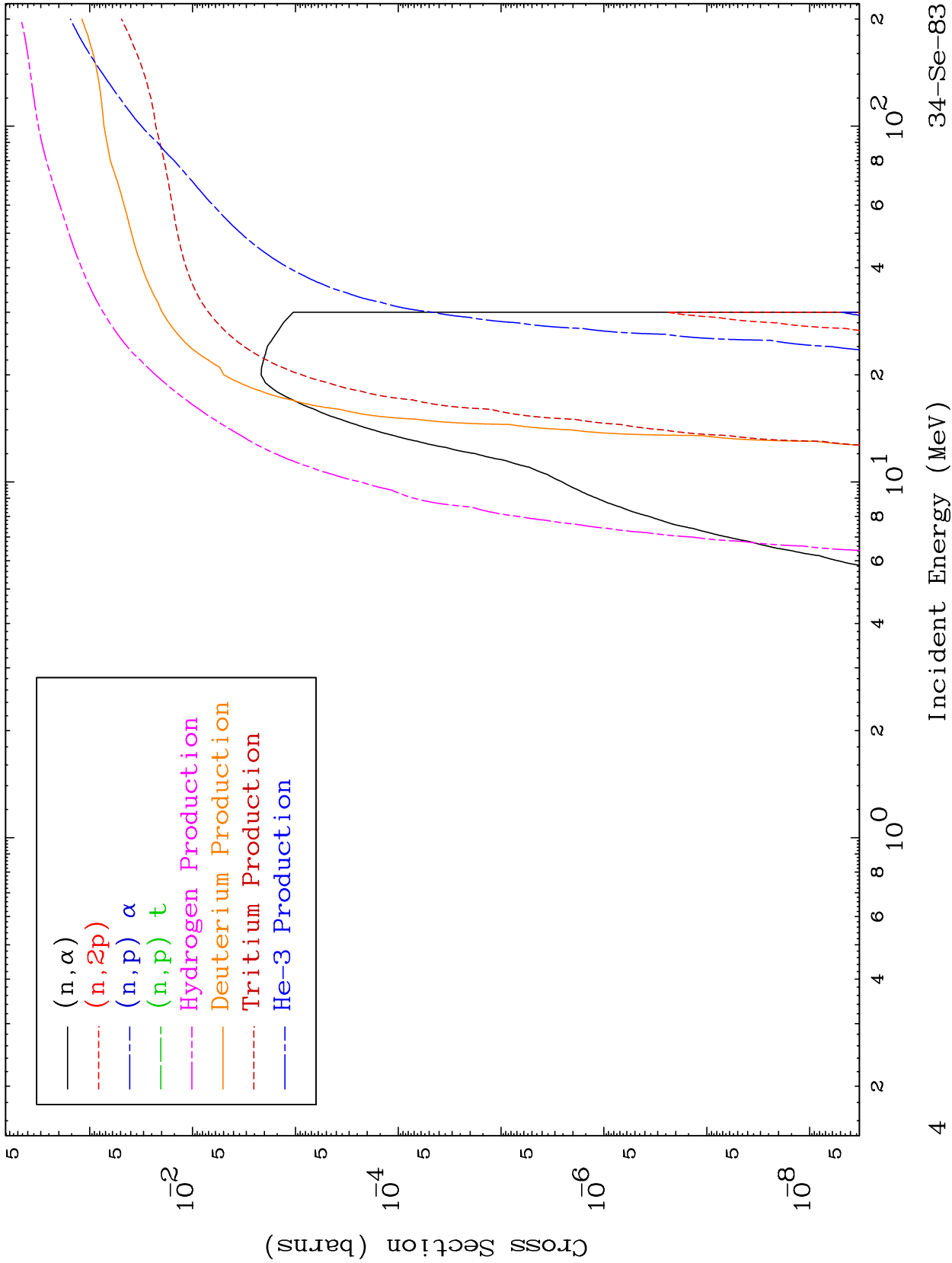
<sup>34</sup>Se-83

MAT 3452

Neutron Absorption  
293 Kelvin Cross Sections

34-Se-83

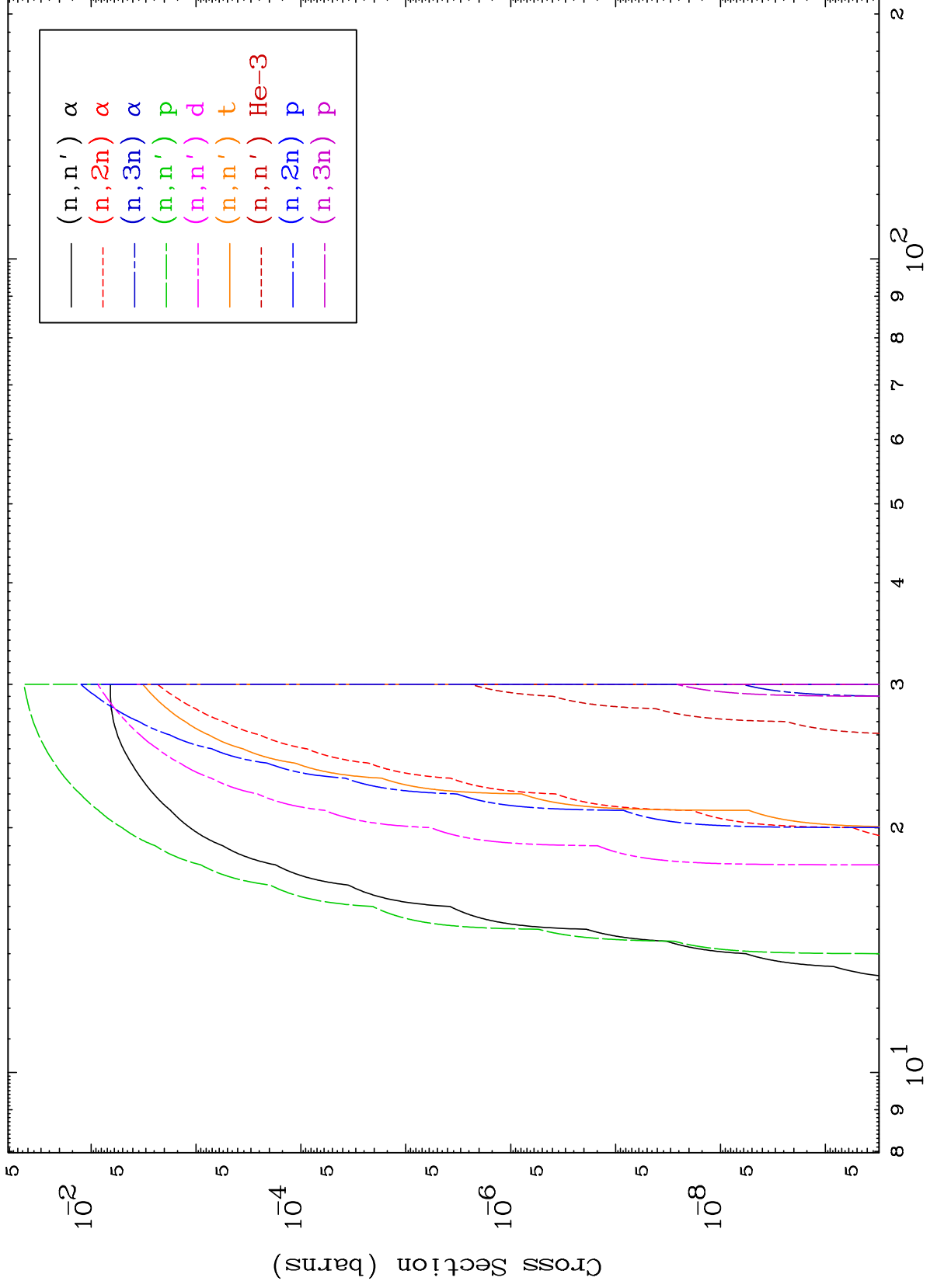




MAT 3452

Charged Particle  
293 Kelvin Cross Sections

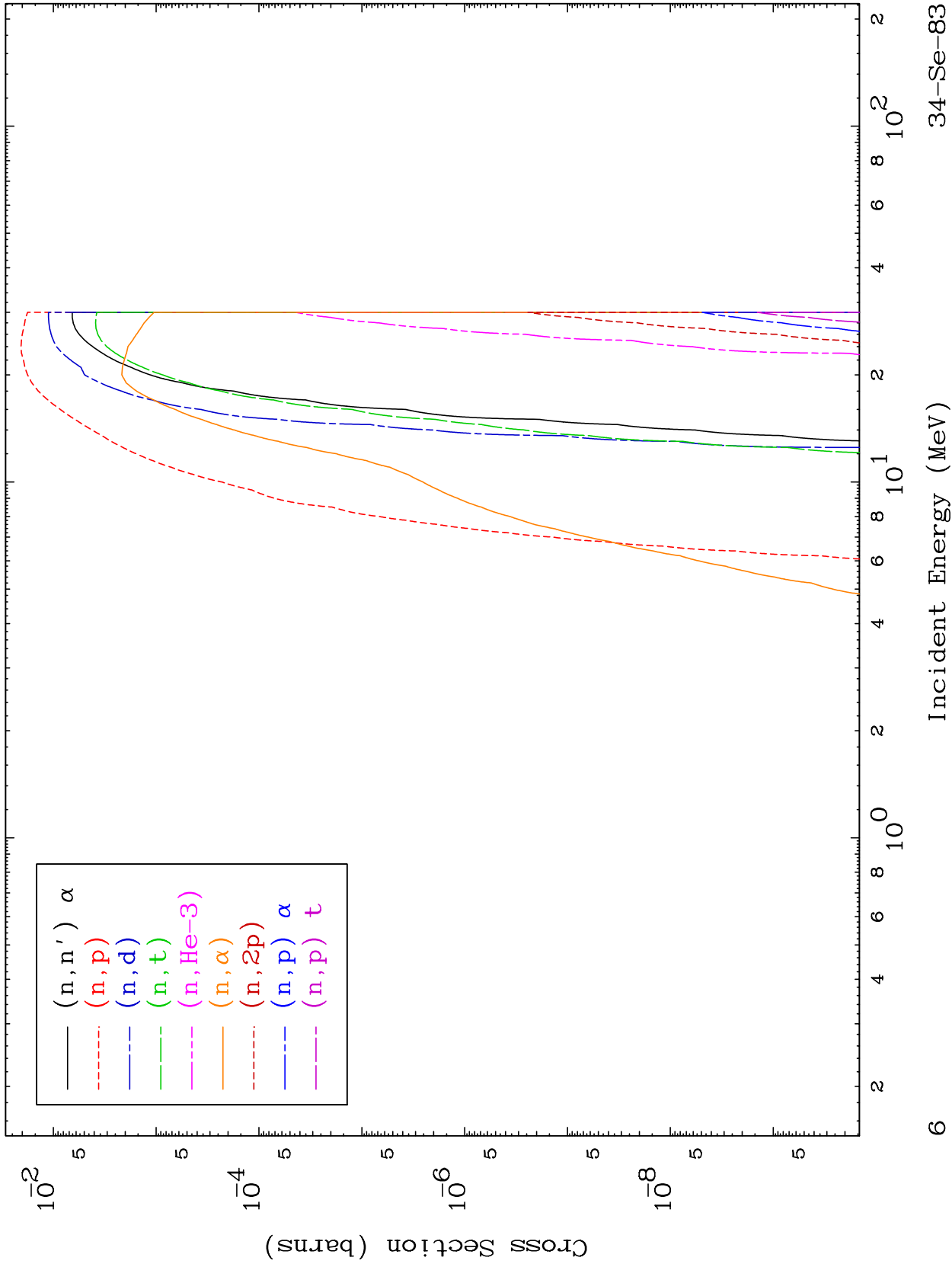
34-Se-83



34-Se-83

Incident Energy (MeV)

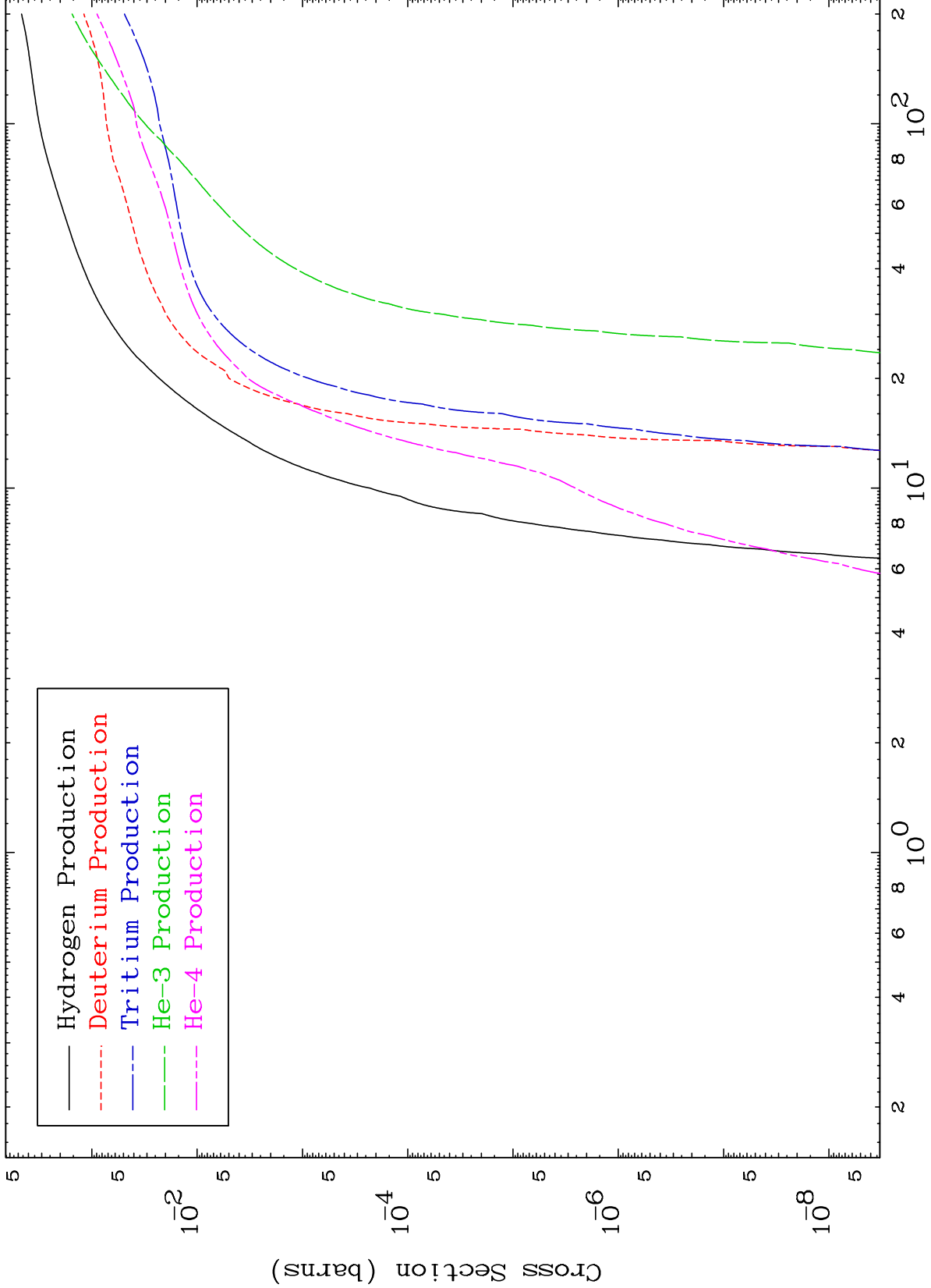
5

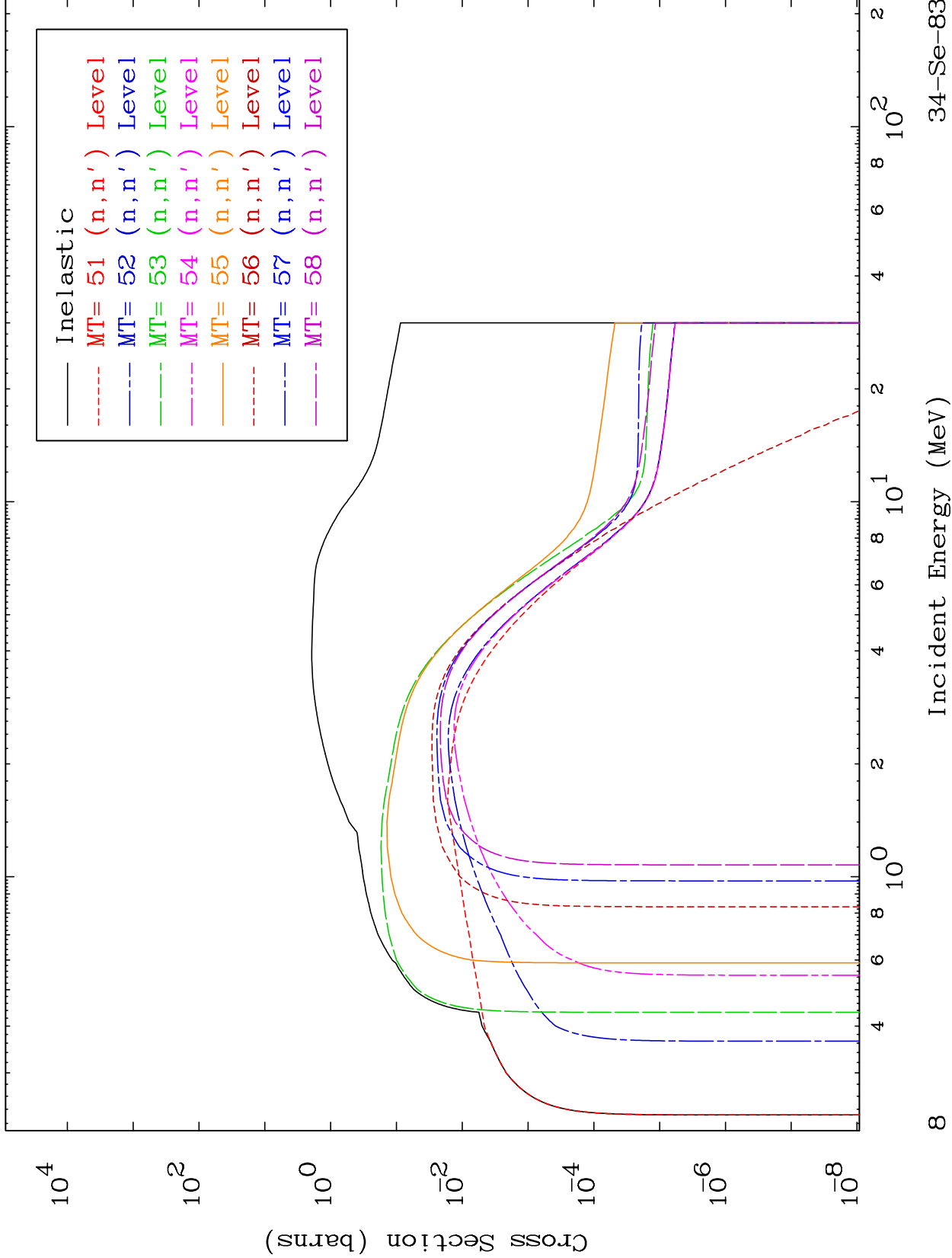


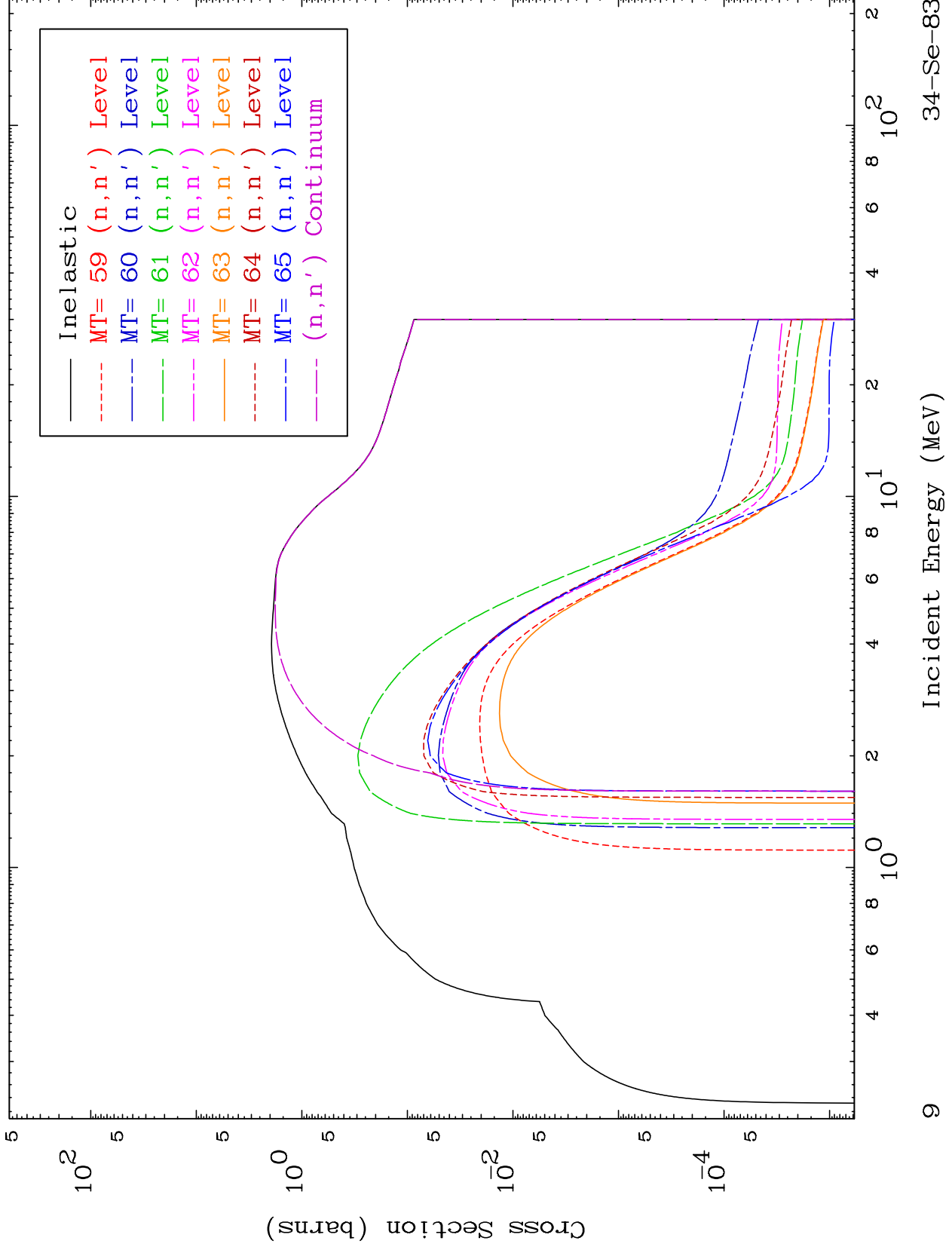
MAT 3452

Particle Production  
293 Kelvin Cross Sections

34-Se-83



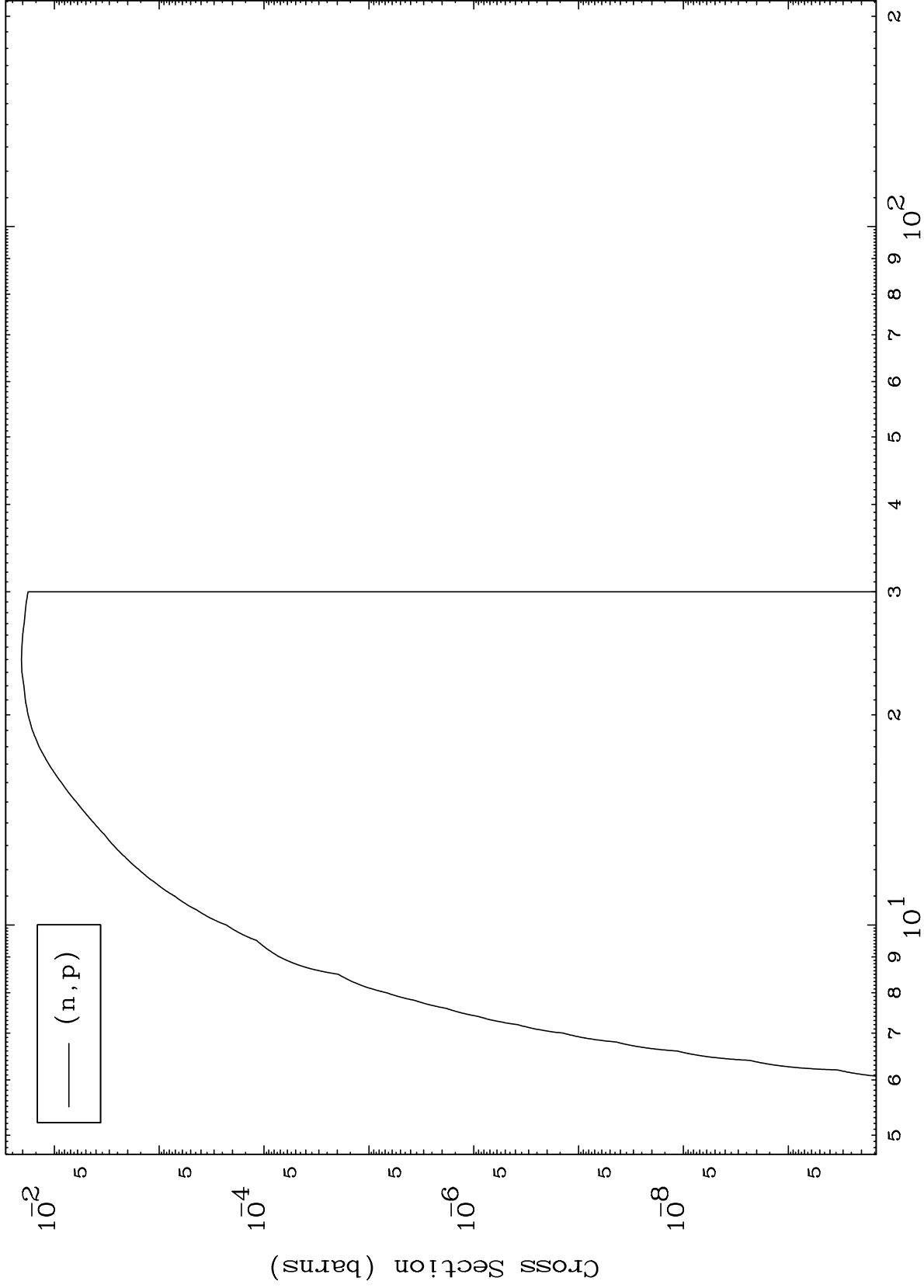




MAT 3452

(n,p) Levels  
293 Kelvin Cross Sections

34-Se-83



10

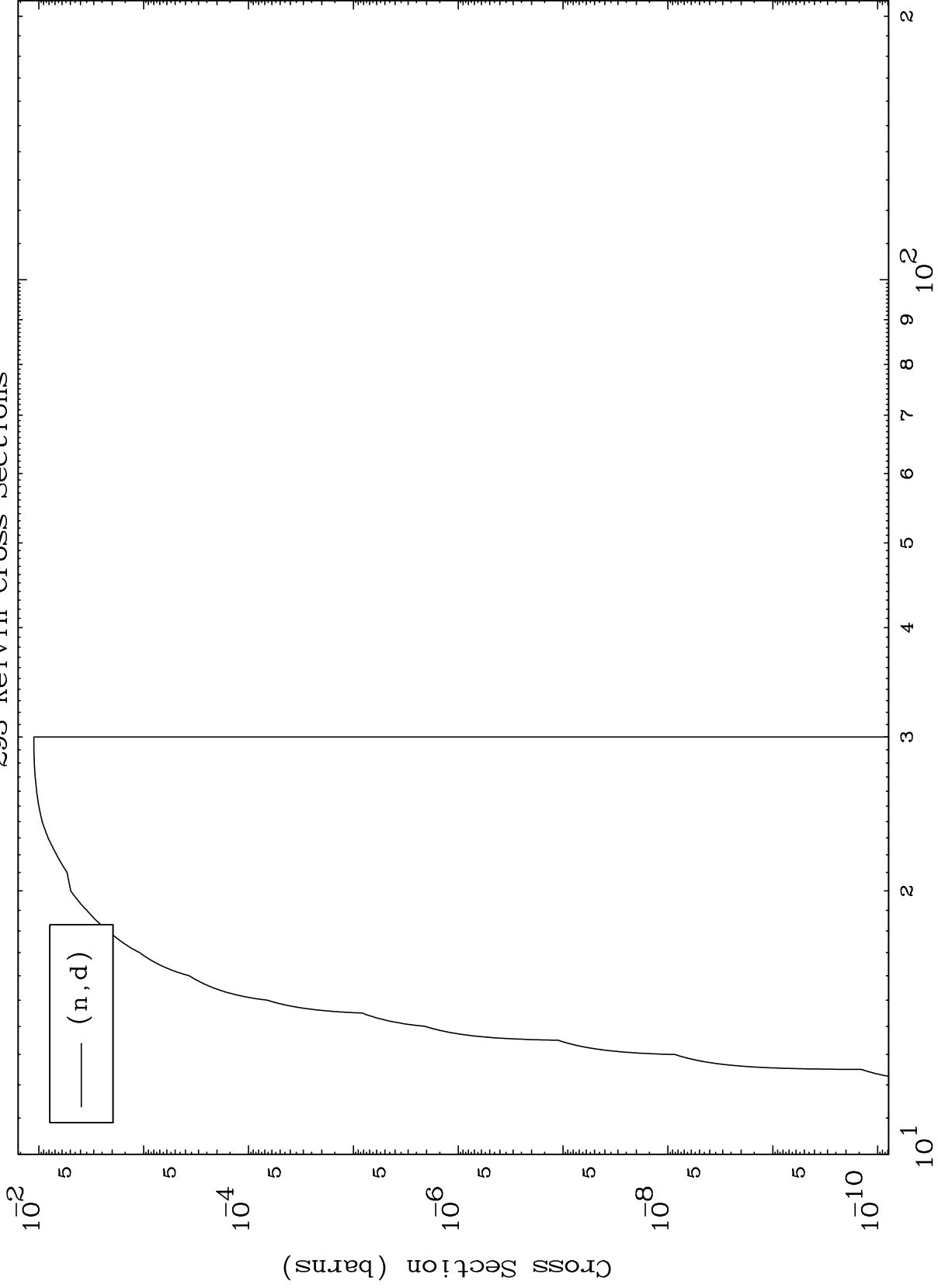
Incident Energy (MeV)

34-Se-83

MAT 3452

(n,d) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-83



11

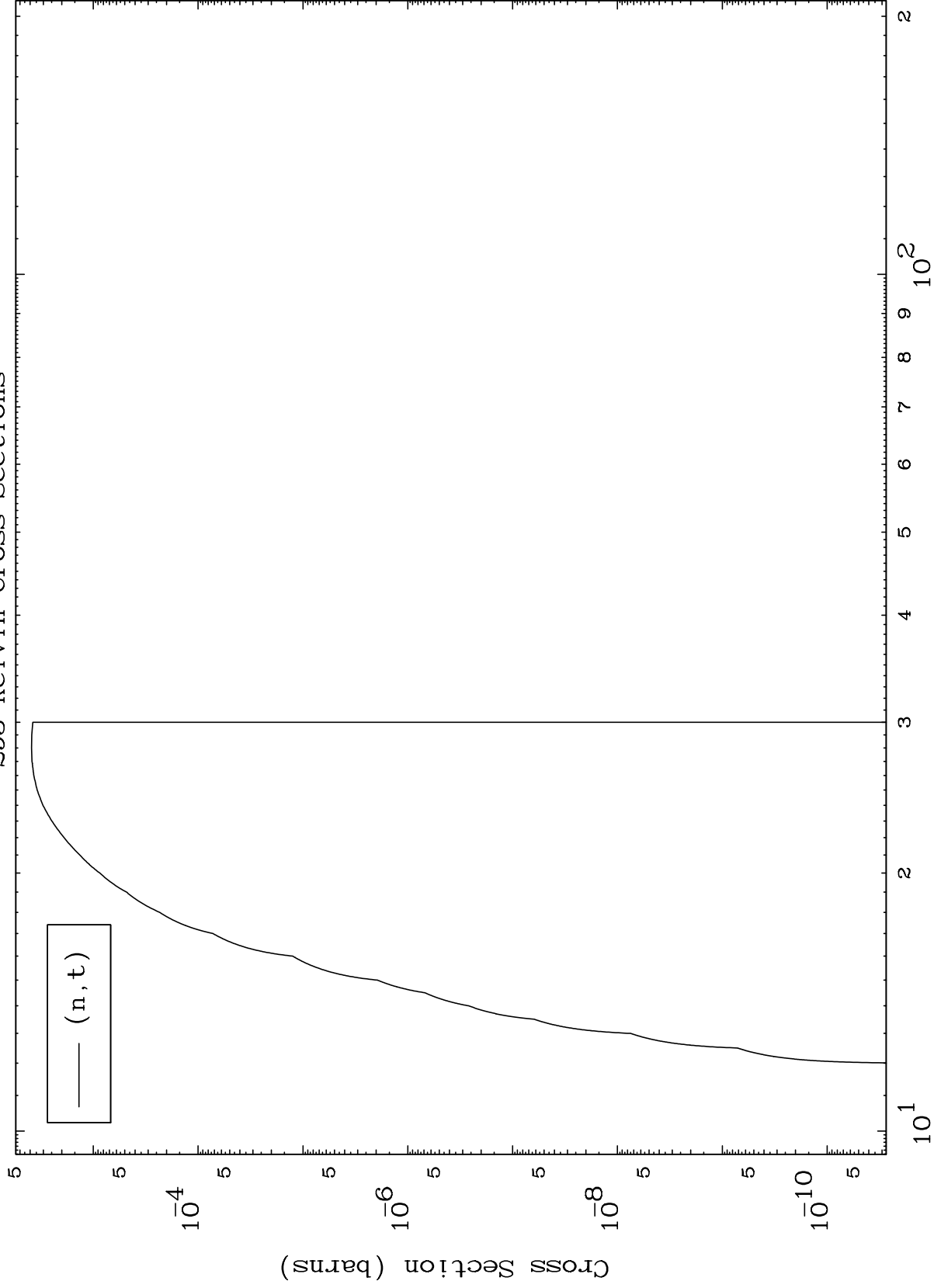
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

(n,t) Levels  
293 Kelvin Cross Sections

34-Se-83



Incident Energy (MeV)

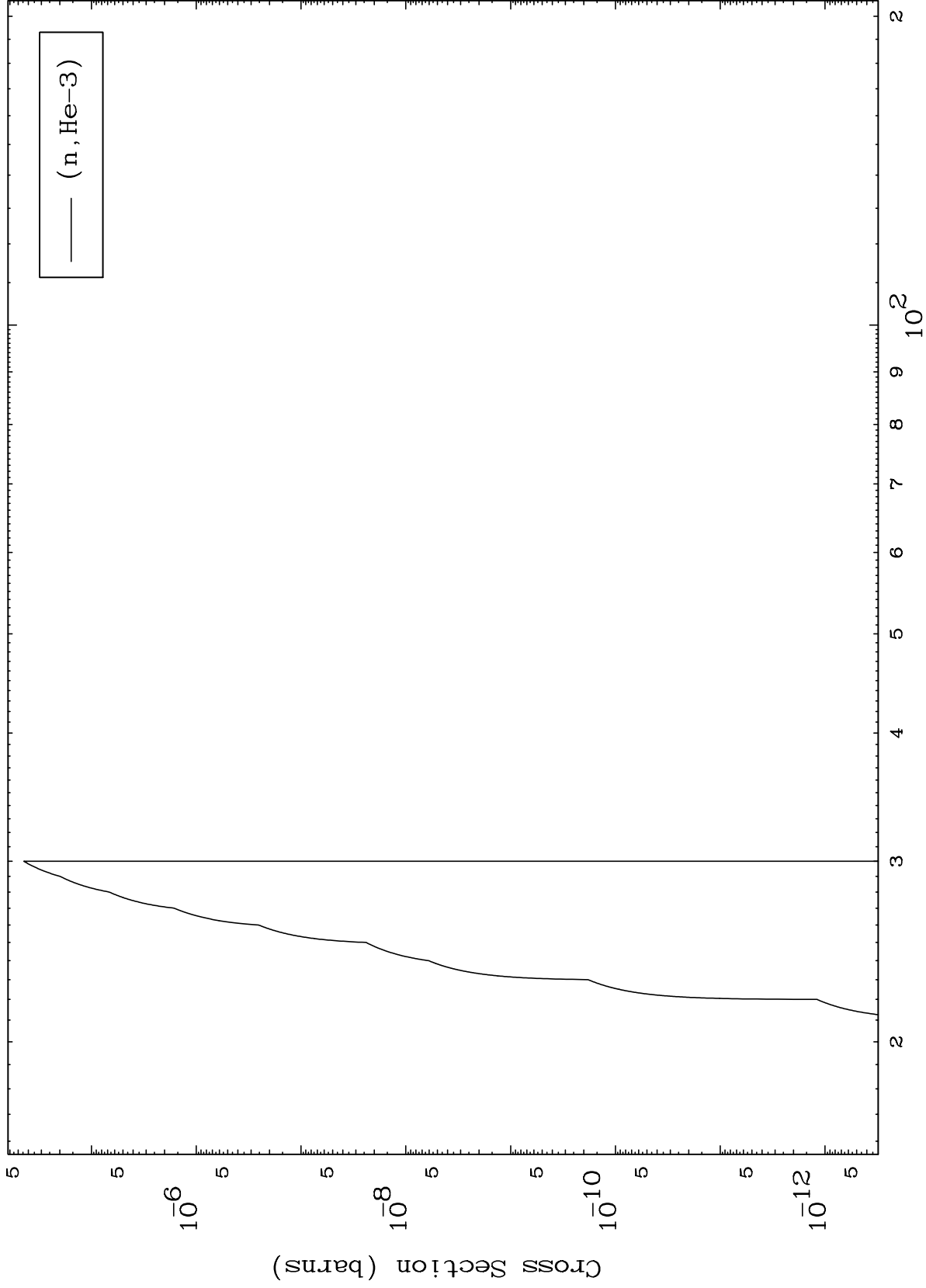
34-Se-83

12

MAT 3452

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-83



13

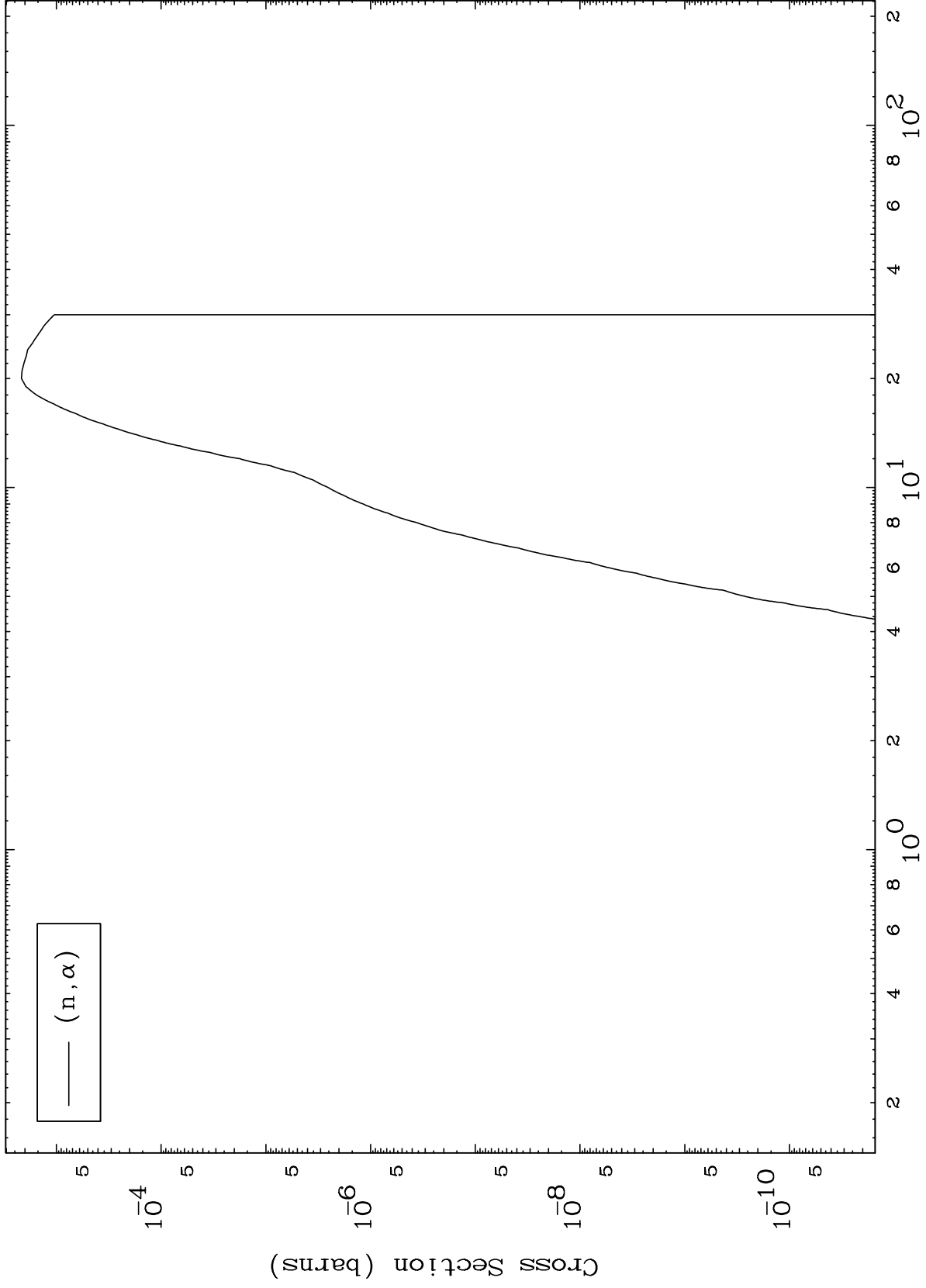
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



14

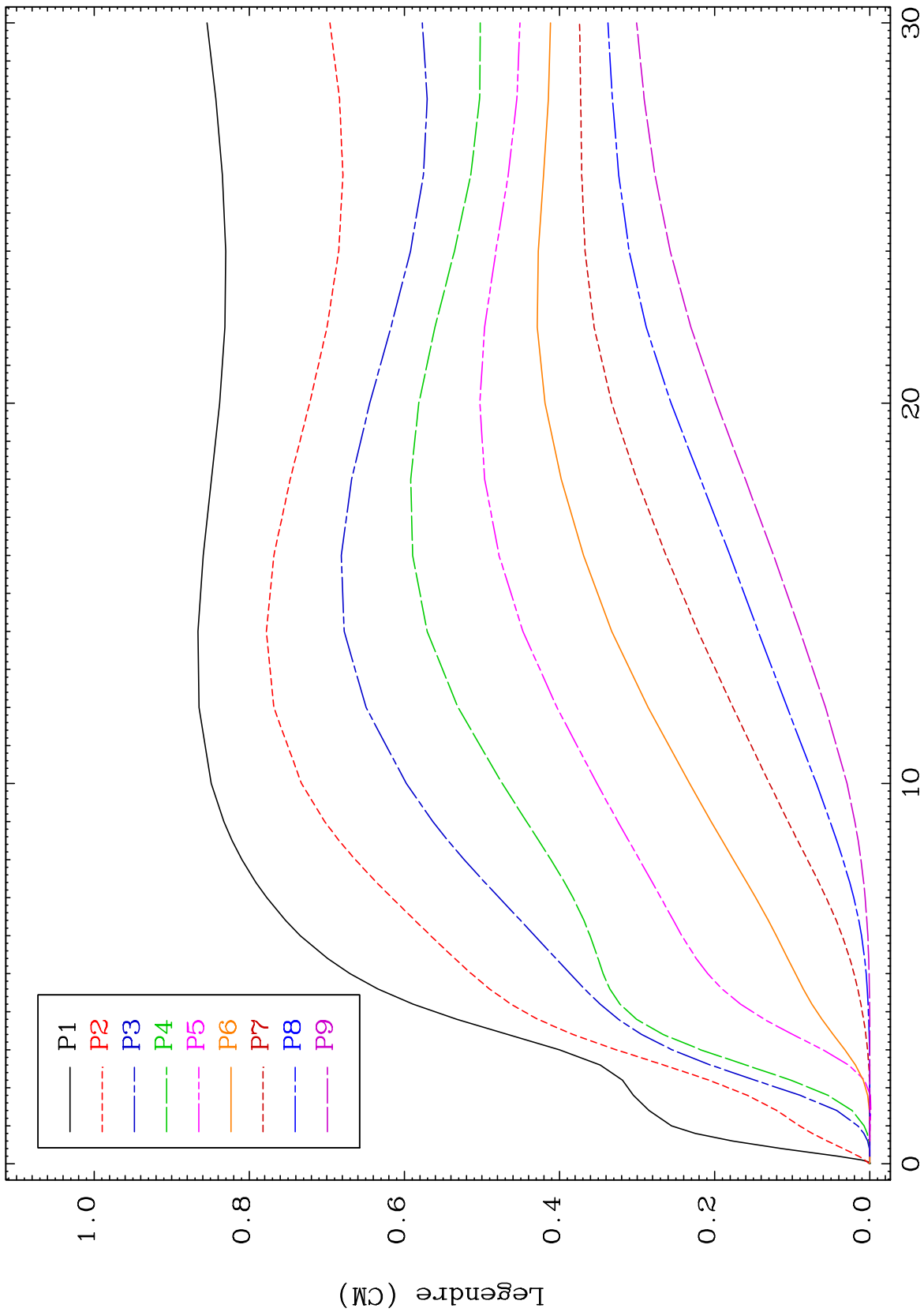
Incident Energy (MeV)

34-Se-83

MAT 3452

Elastic Legendre Coefficients

<sup>34</sup>Se-83



15

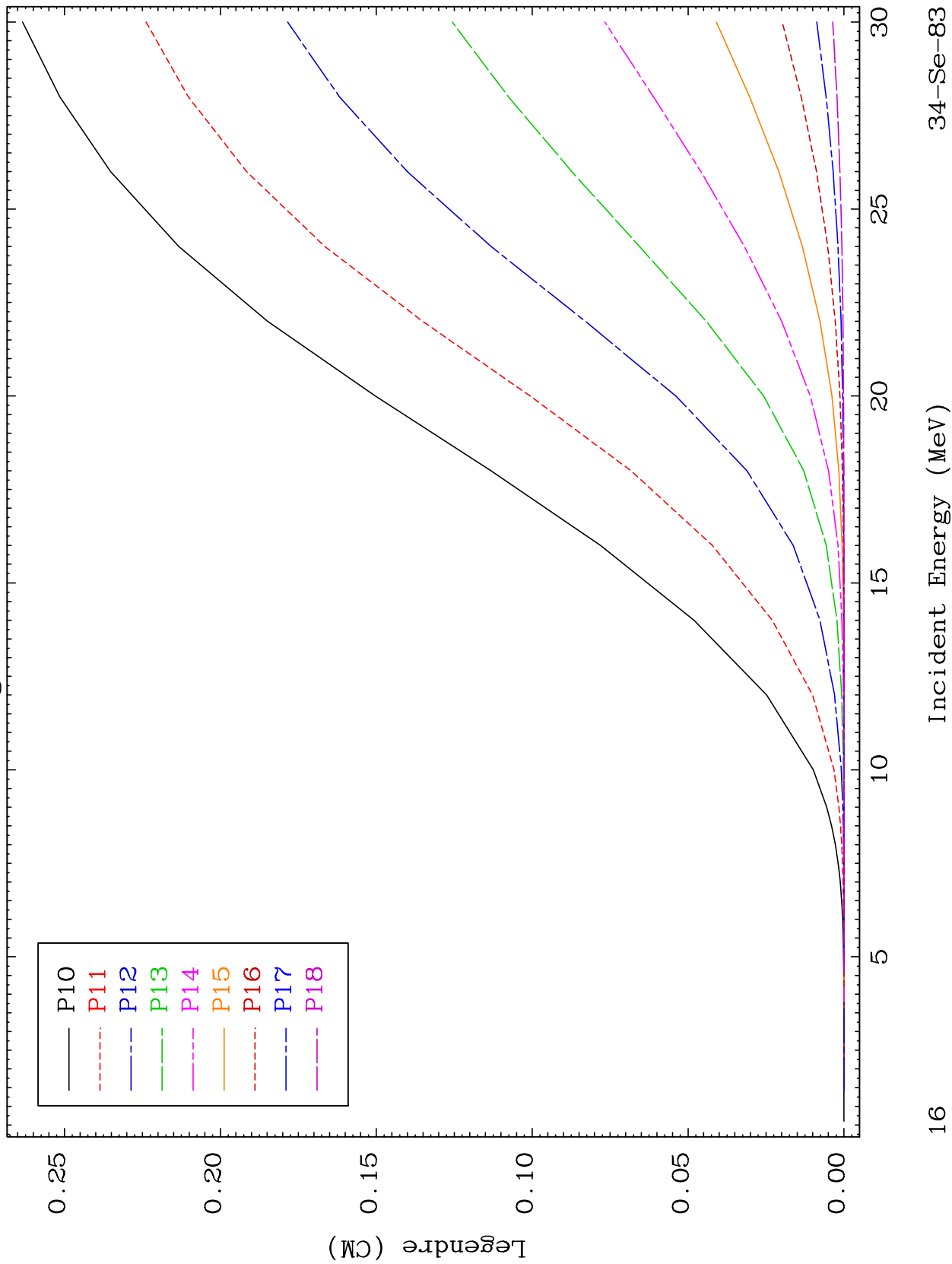
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

Elastic Legendre Coefficients

<sup>34</sup>Se-83



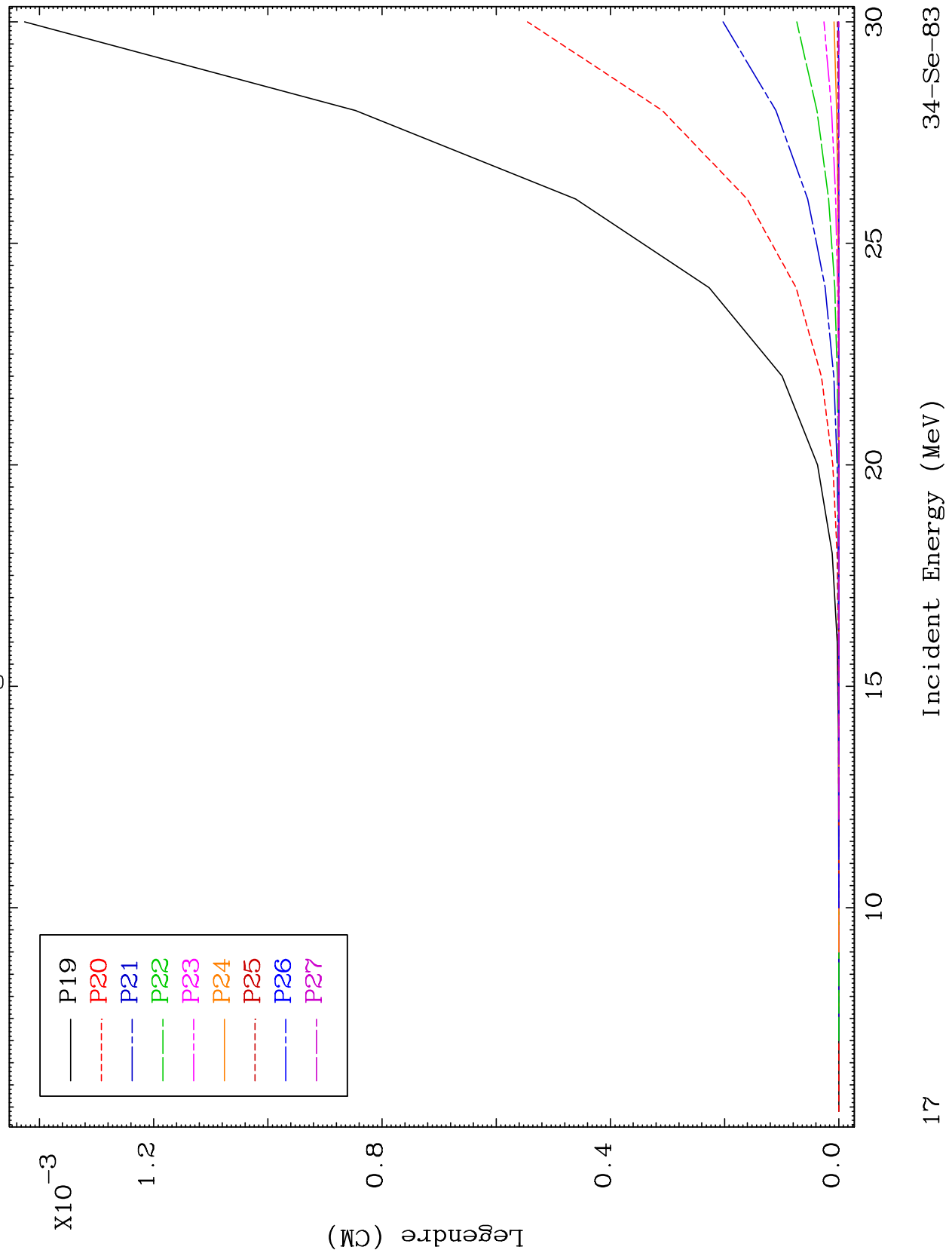
16

<sup>34</sup>Se-83

MAT 3452

Elastic Legendre Coefficients

<sup>34</sup>Se-83



17

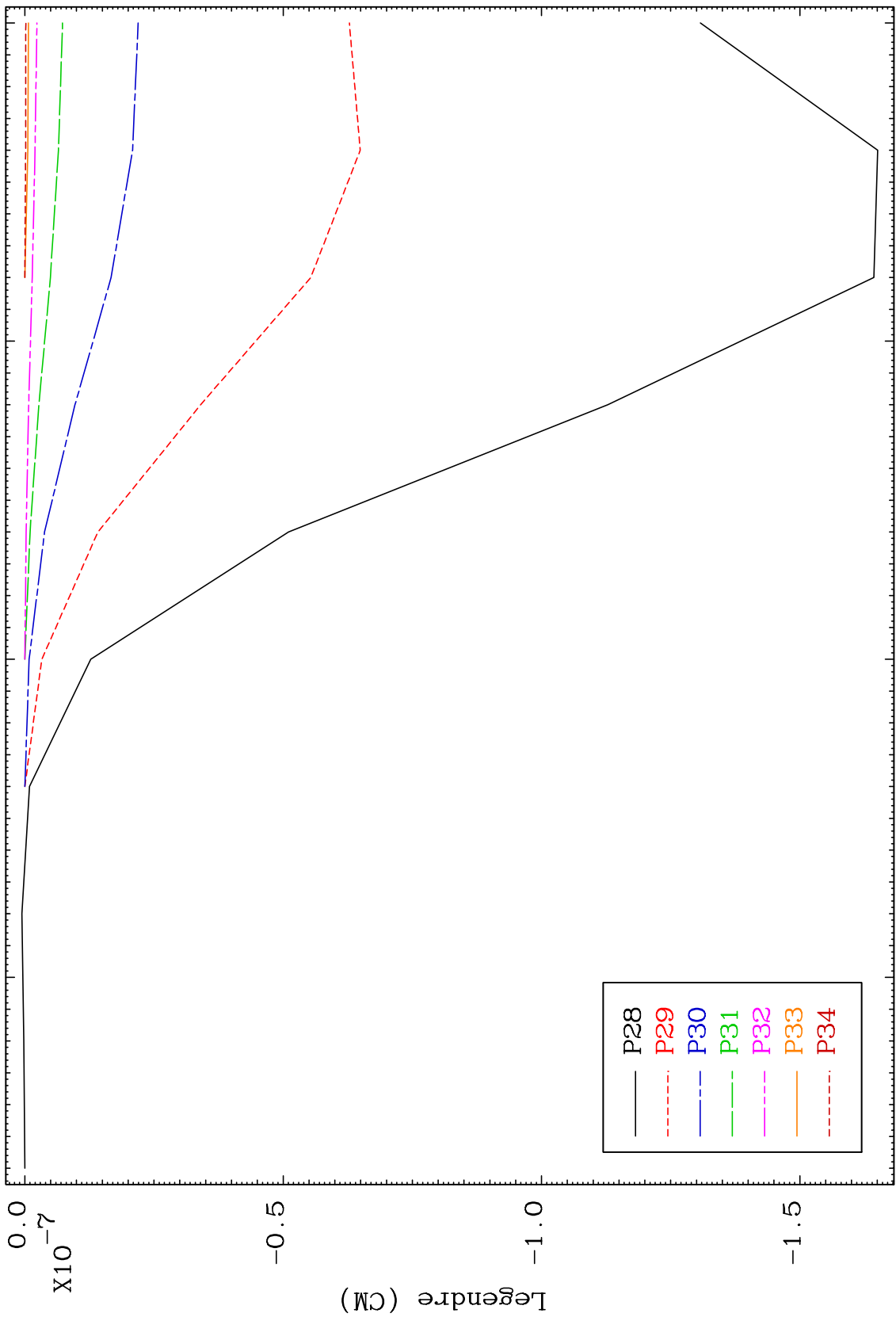
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

34-Se-83

Elastic Legendre Coefficients



18

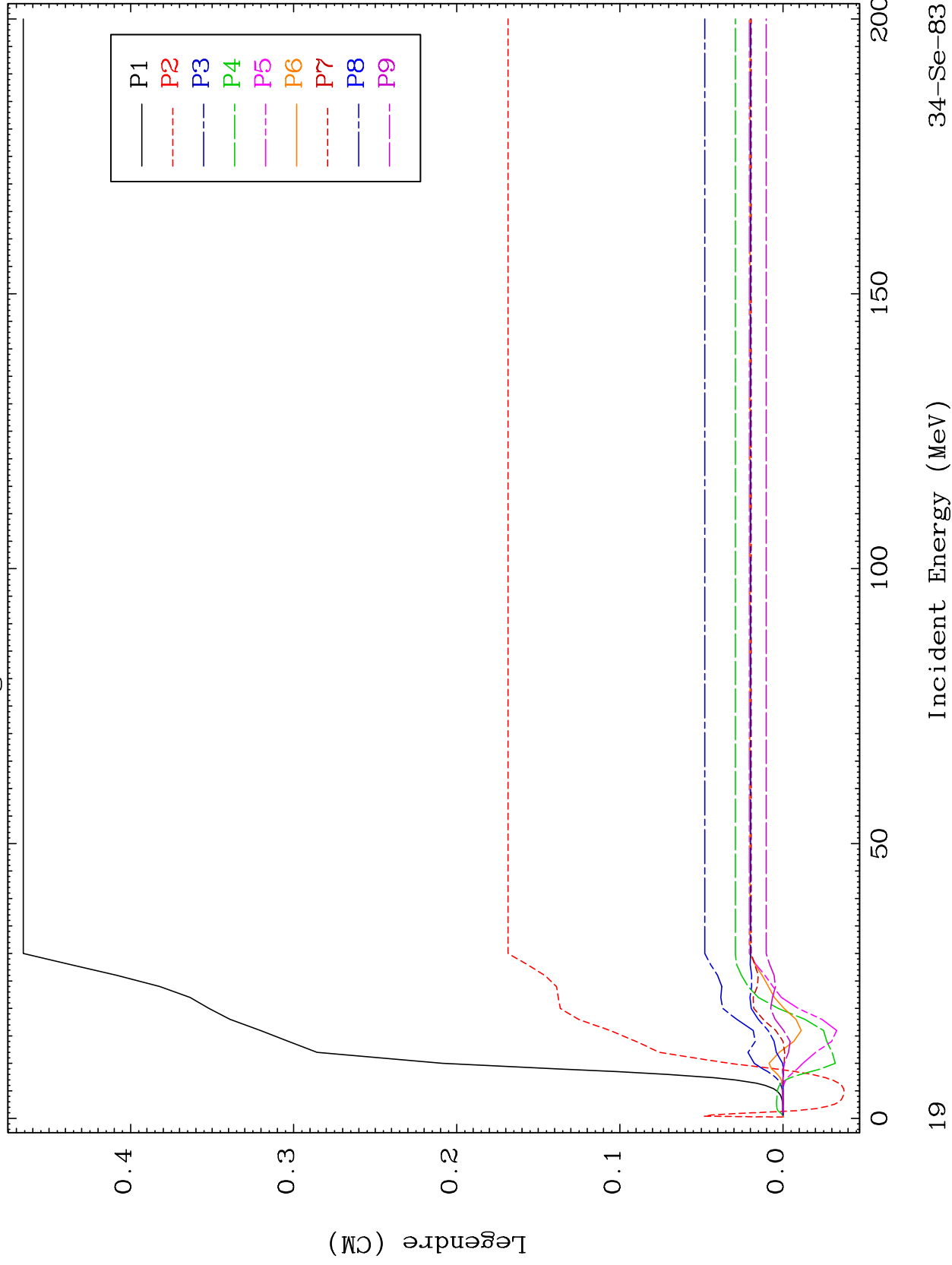
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



34-Se-83

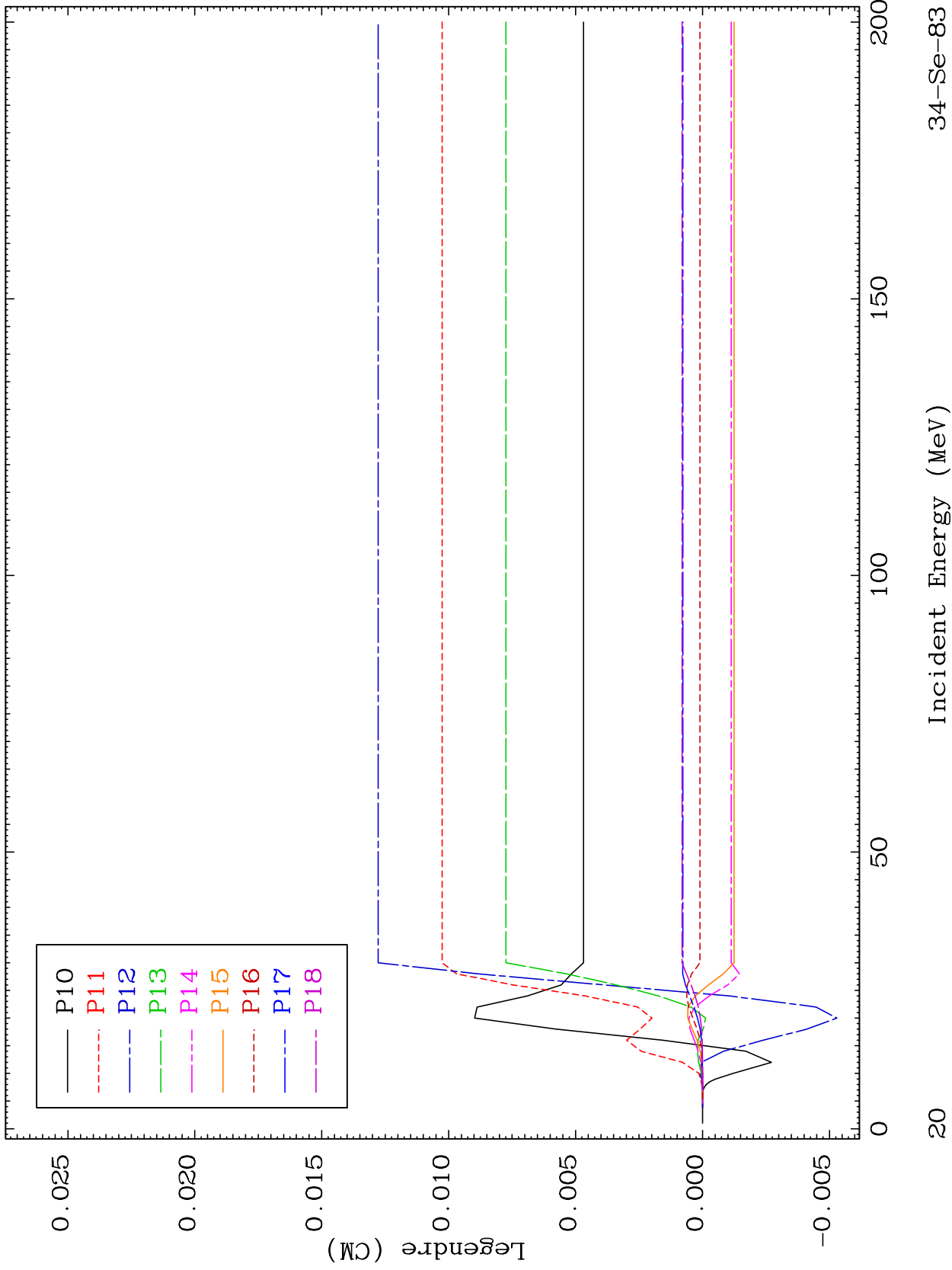
Incident Energy (MeV)

19

MAT 3452

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

<sup>34</sup>Se-83



<sup>34</sup>Se-83

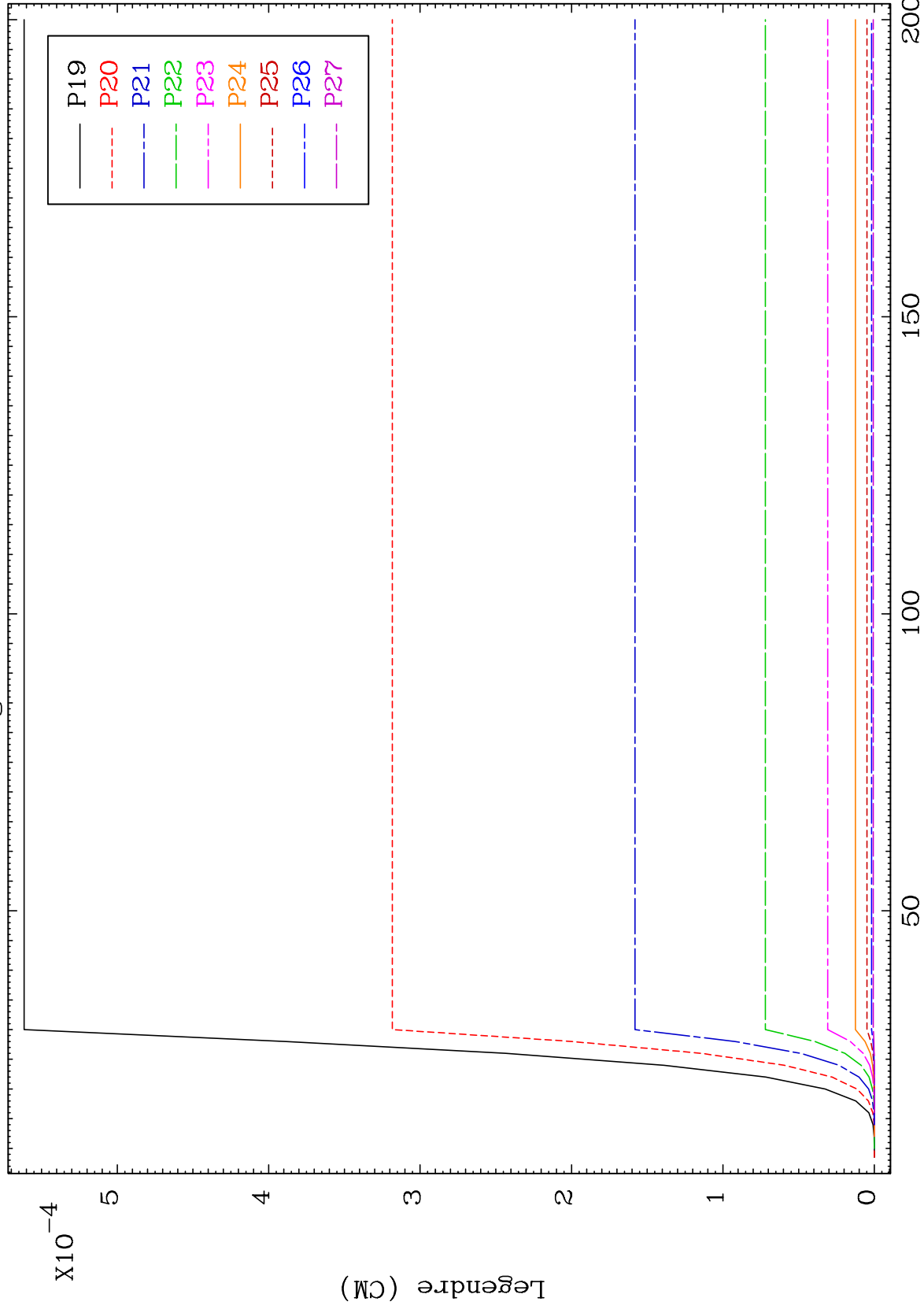
Incident Energy (MeV)

20

MAT 3452

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

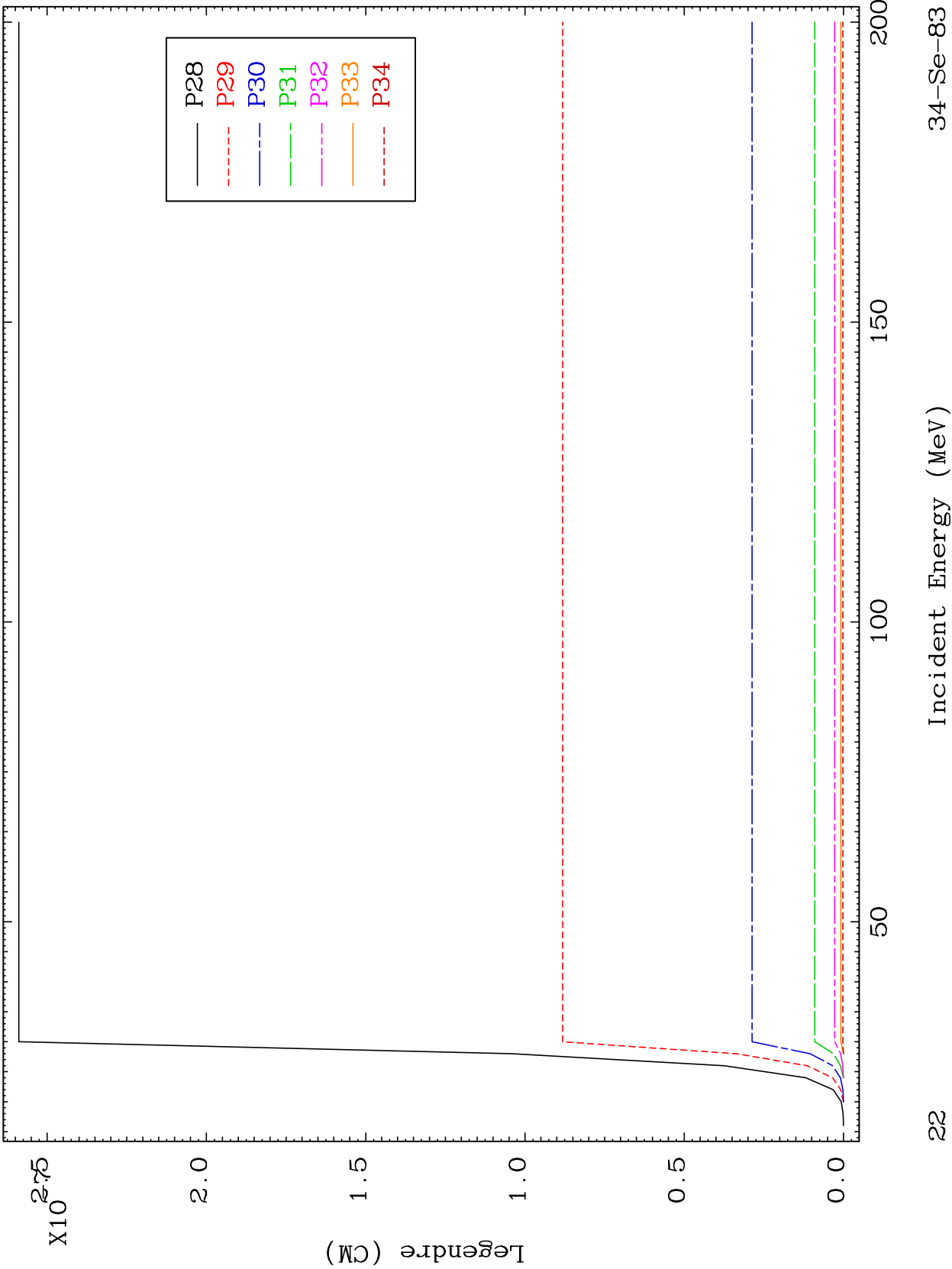
<sup>34</sup>Se-83



21

Incident Energy (MeV)

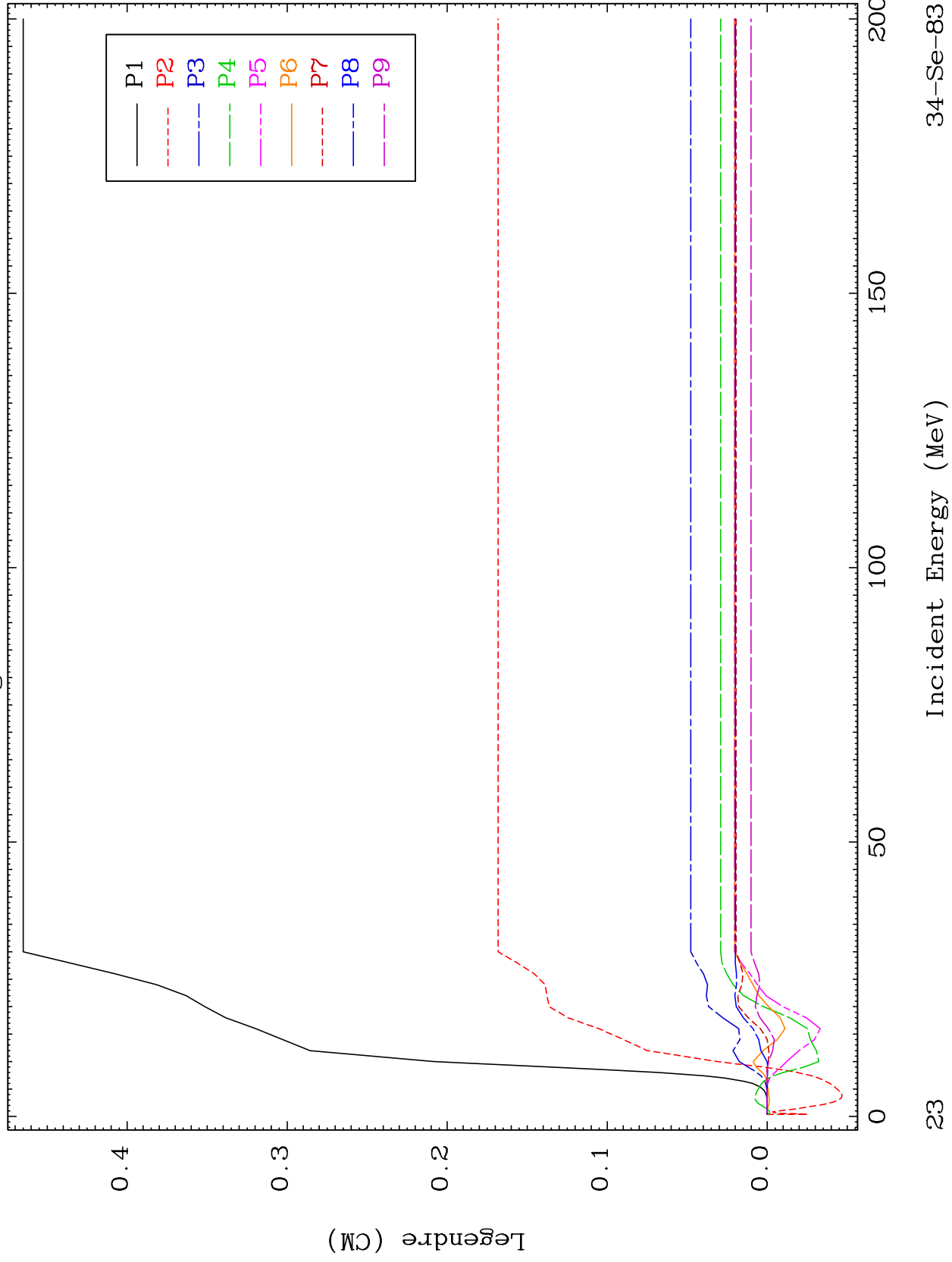
<sup>34</sup>Se-83



MAT 3452

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

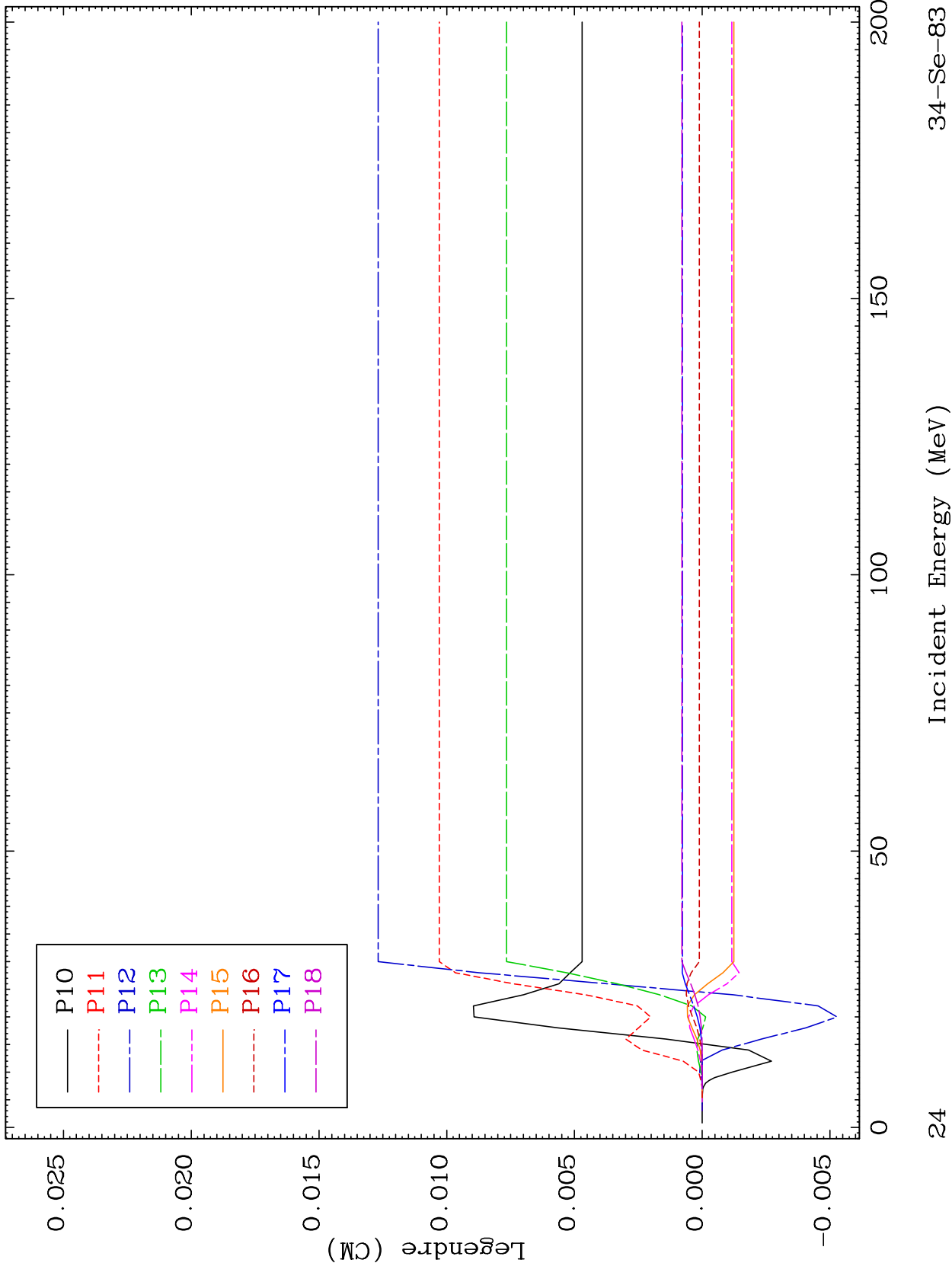
<sup>34</sup>Se-83



MAT 3452

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

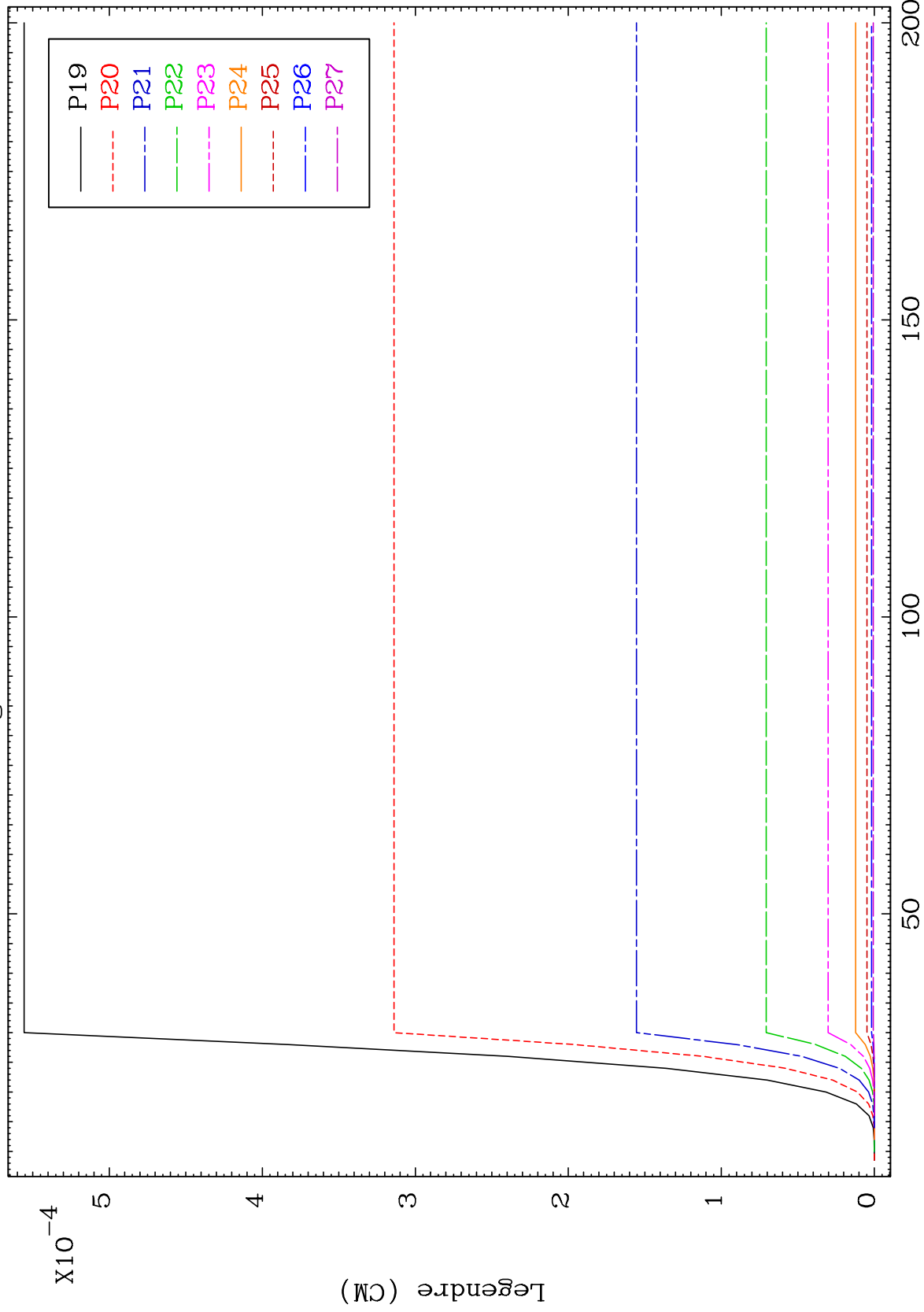
34-Se-83



MAT 3452

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

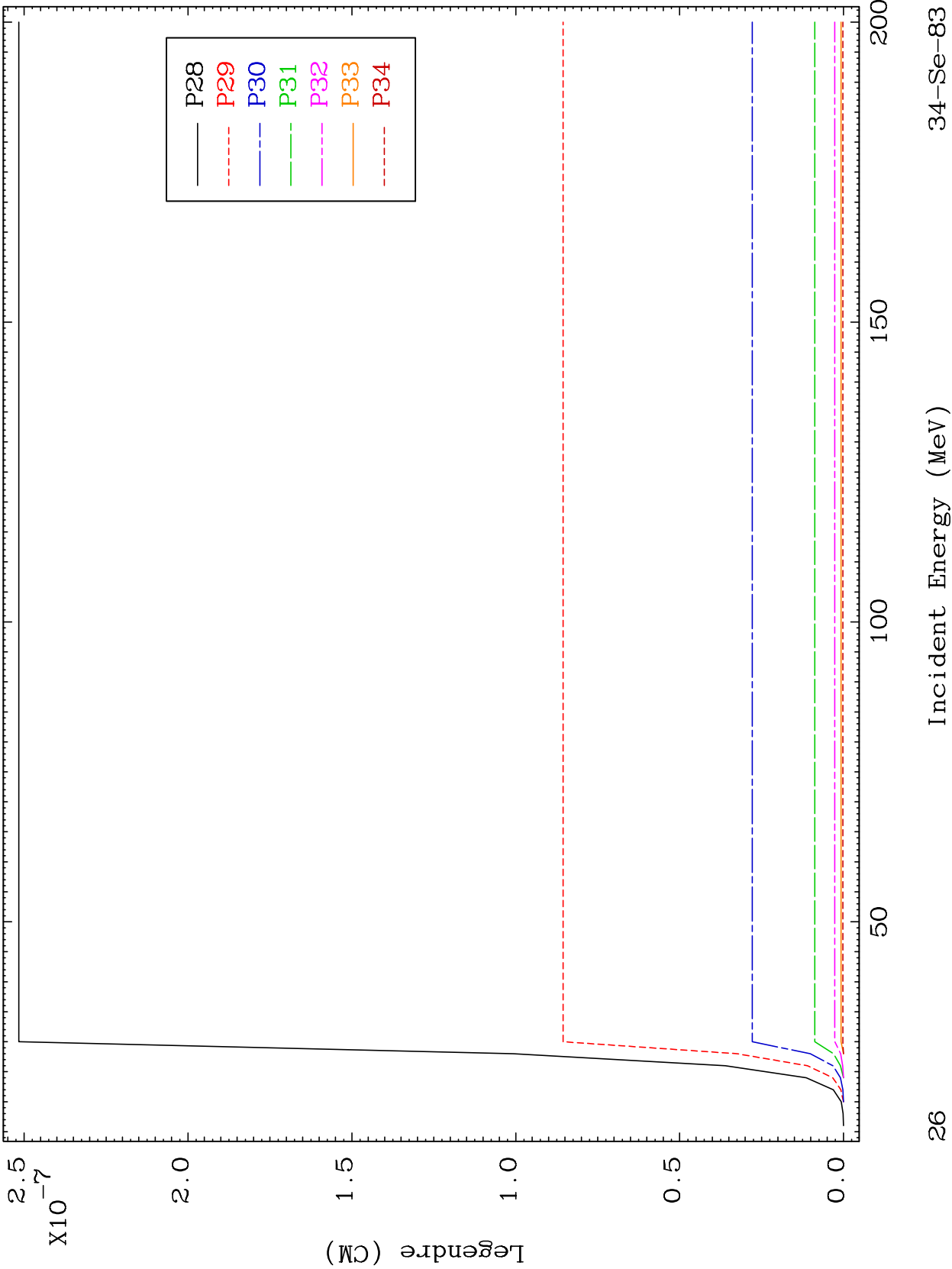
<sup>34</sup>Se-83



25

Incident Energy (MeV)

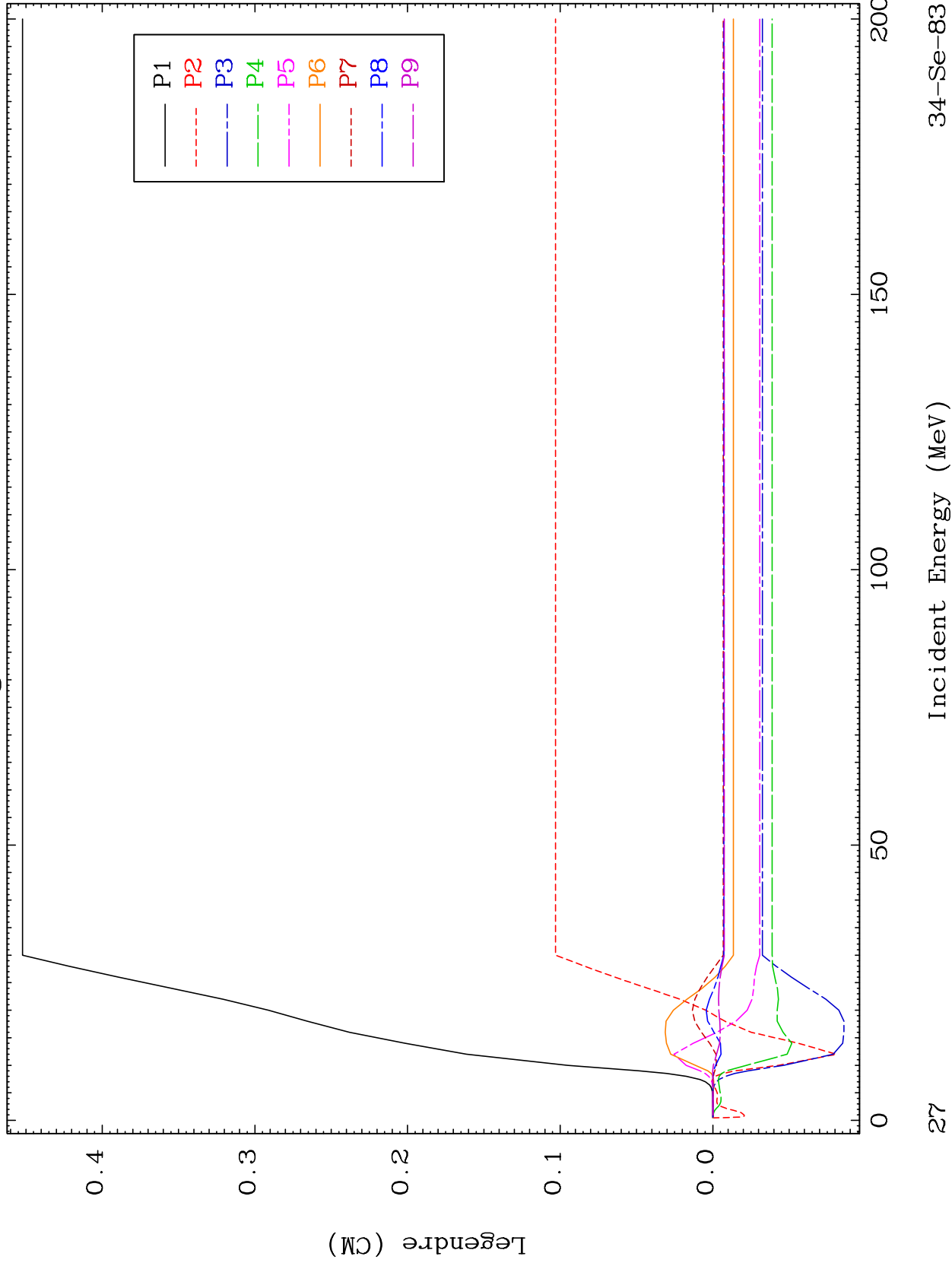
<sup>34</sup>Se-83



MAT 3452

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

34-Se-83



34-Se-83

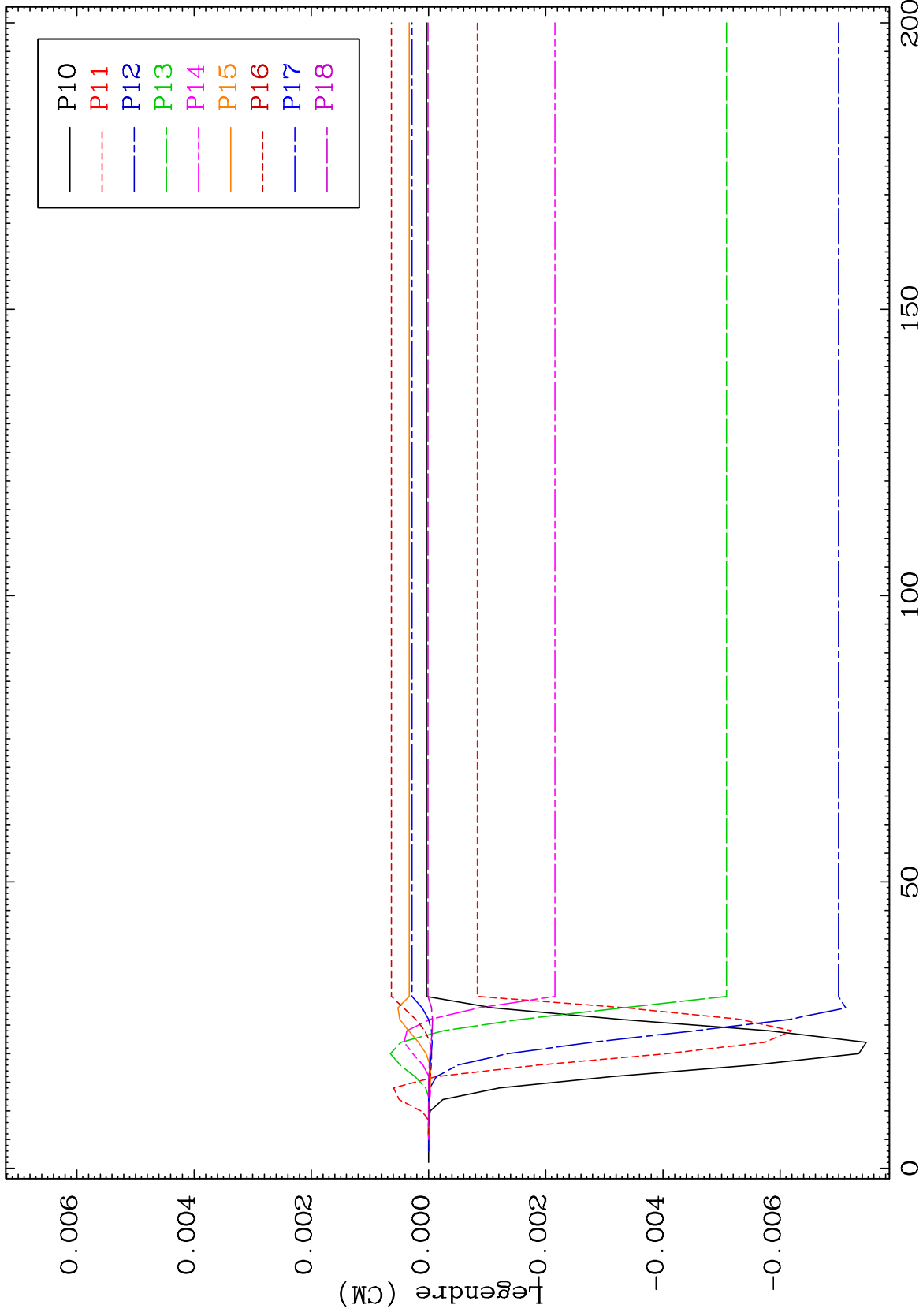
Incident Energy (MeV)

27

MAT 3452

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

34-Se-83



28

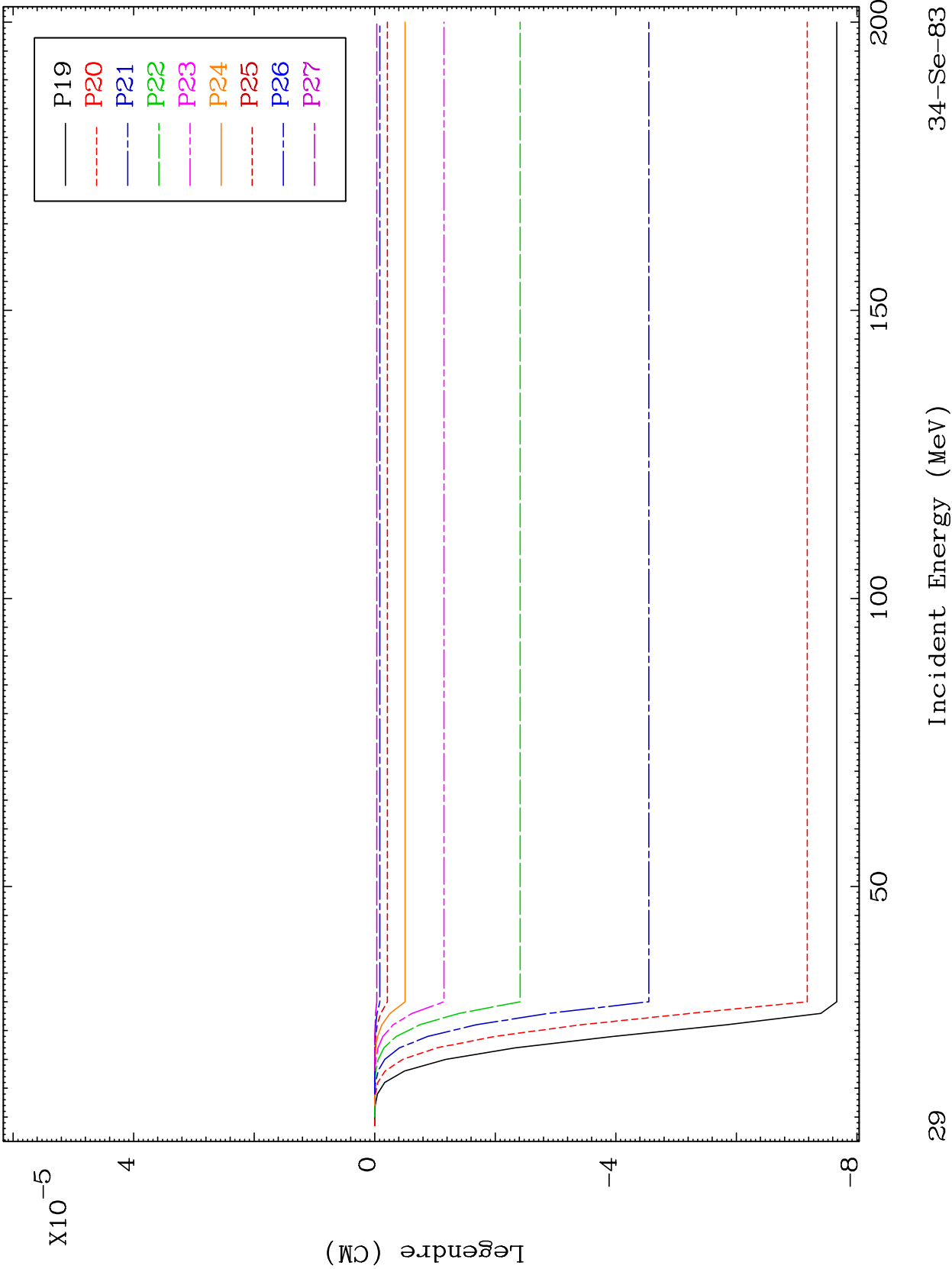
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



29

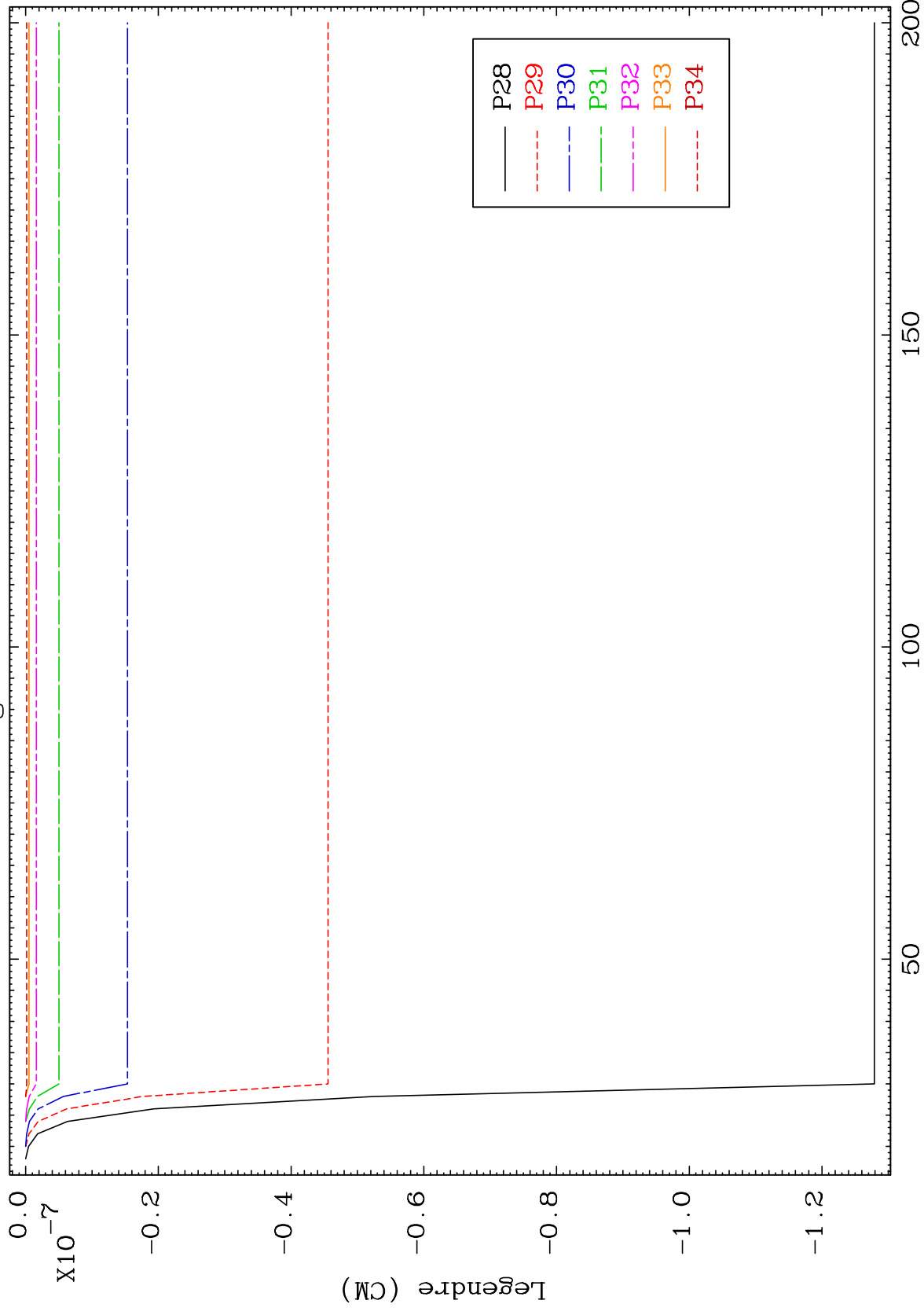
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



34-Se-83

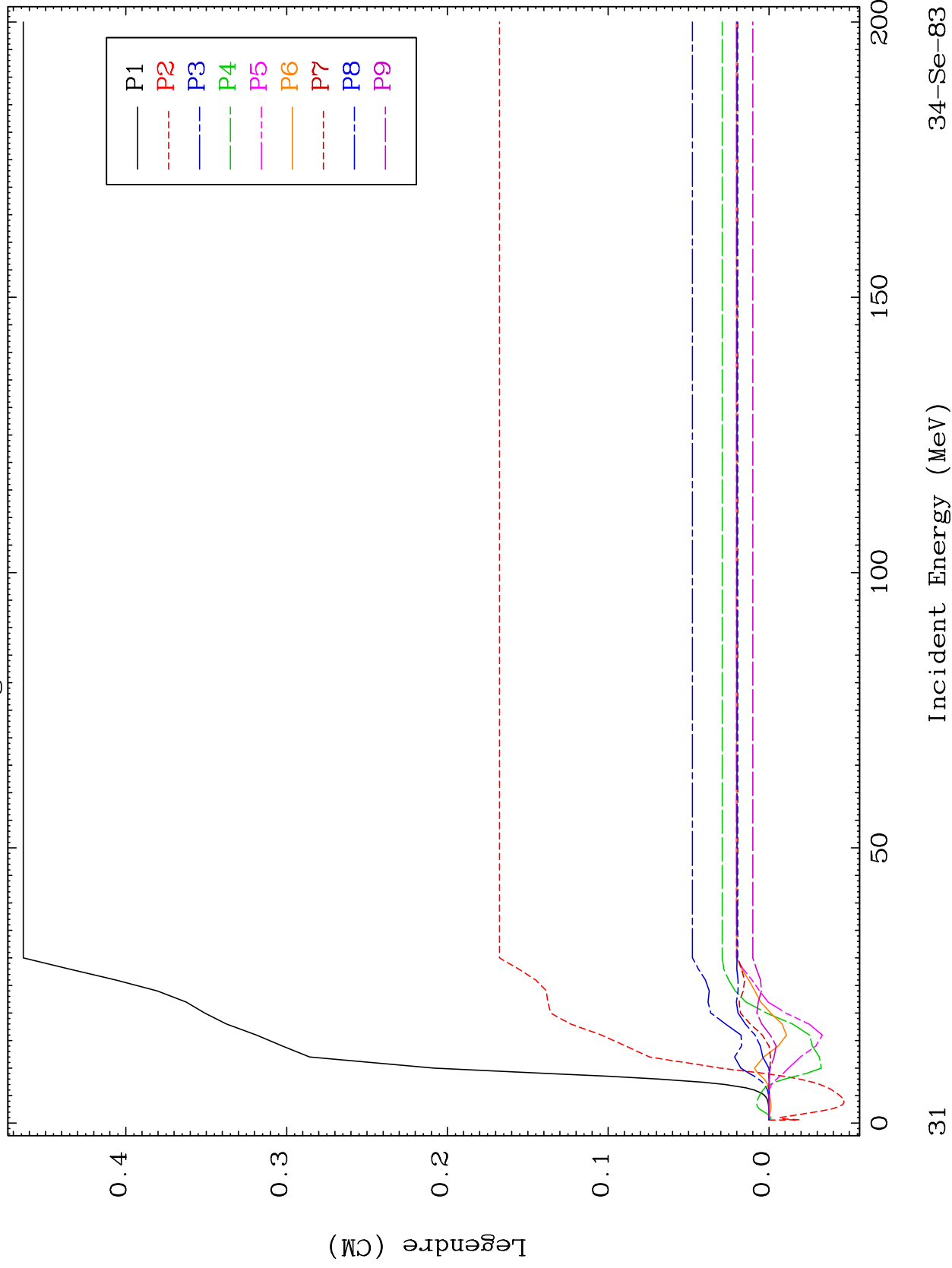
Incident Energy (MeV)

30

MAT 3452

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

<sup>34</sup>Se-83



31

Incident Energy (MeV)

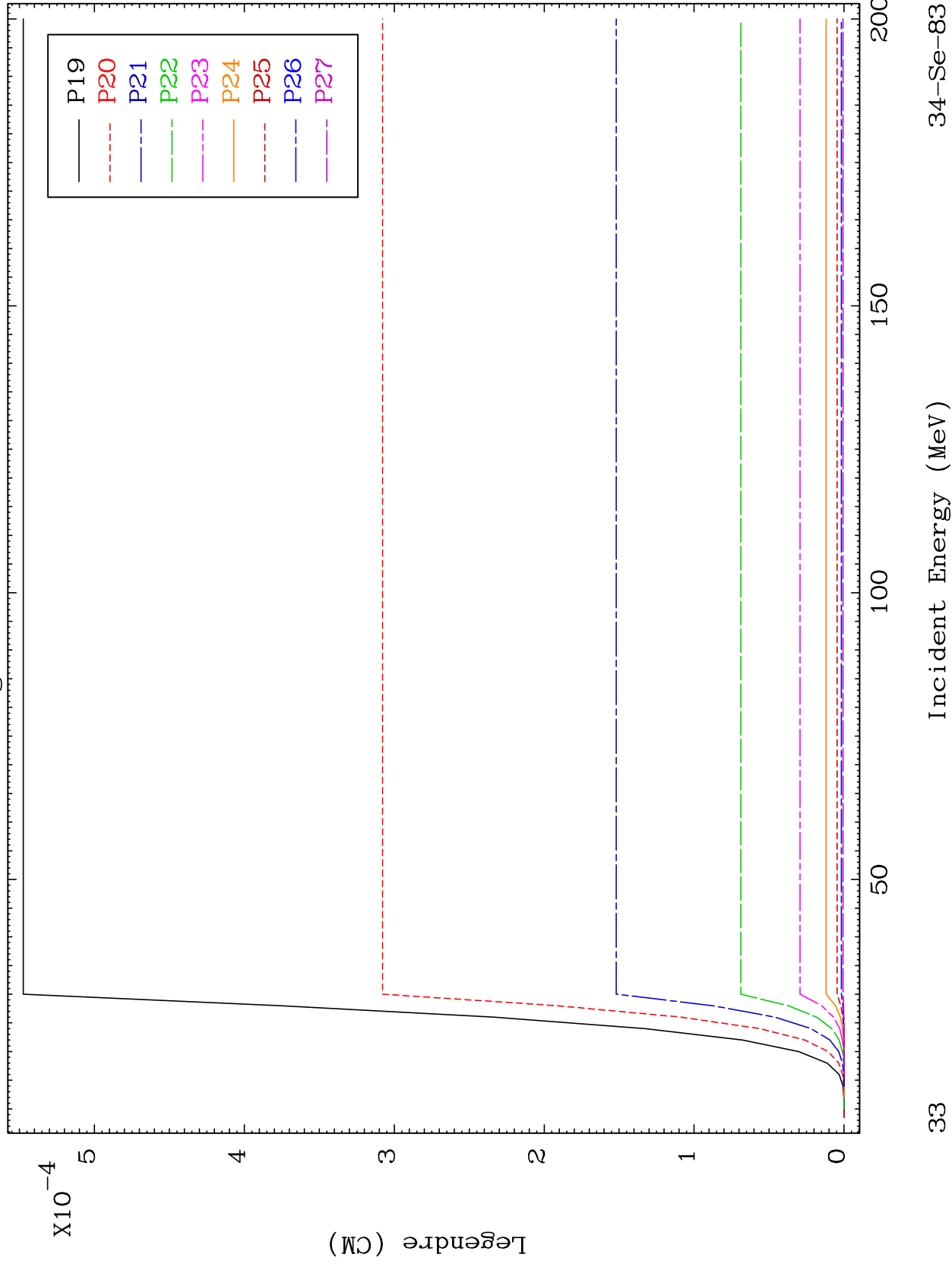
<sup>34</sup>Se-83



MAT 3452

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

<sup>34</sup>Se-83



33

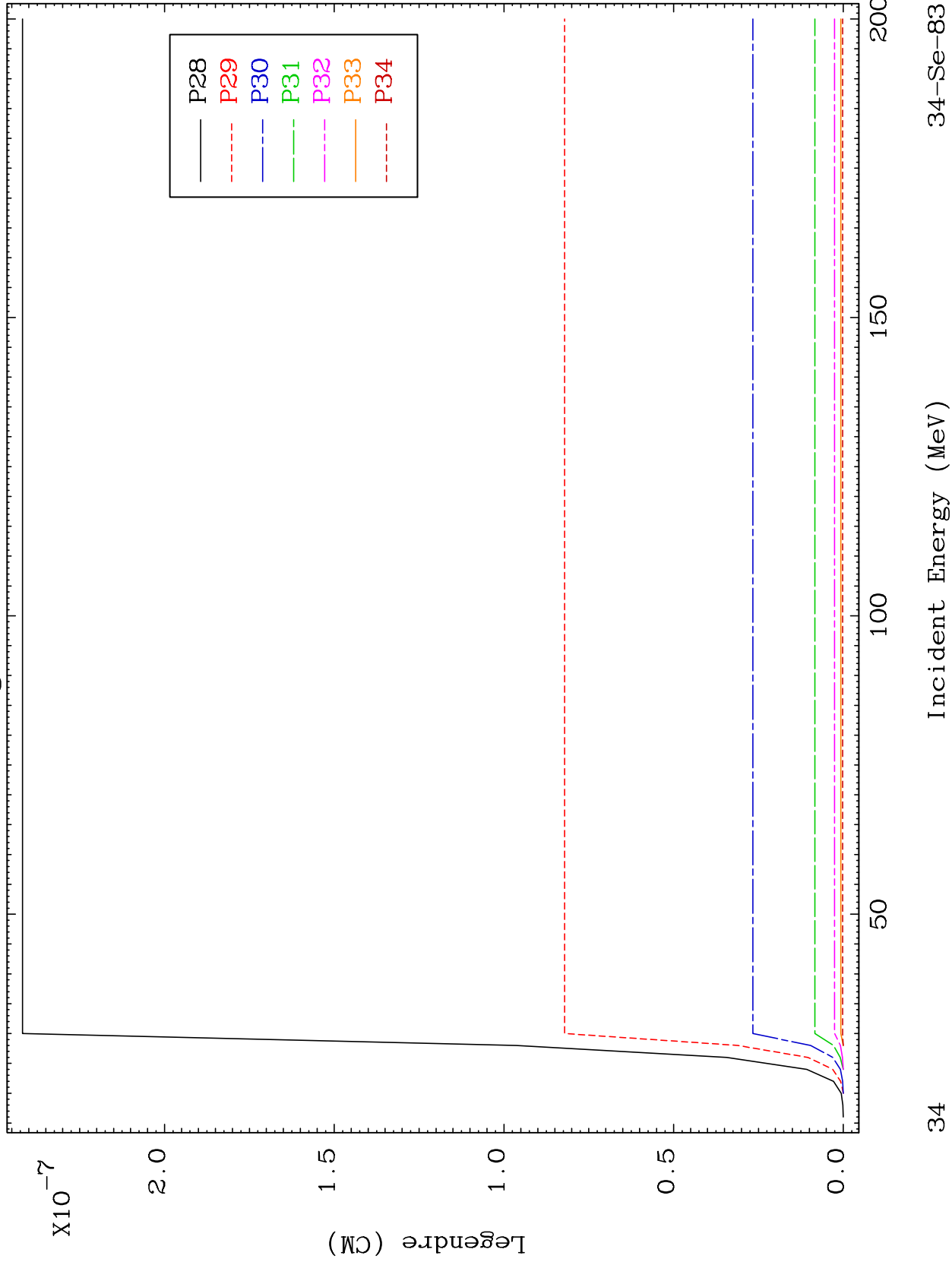
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

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

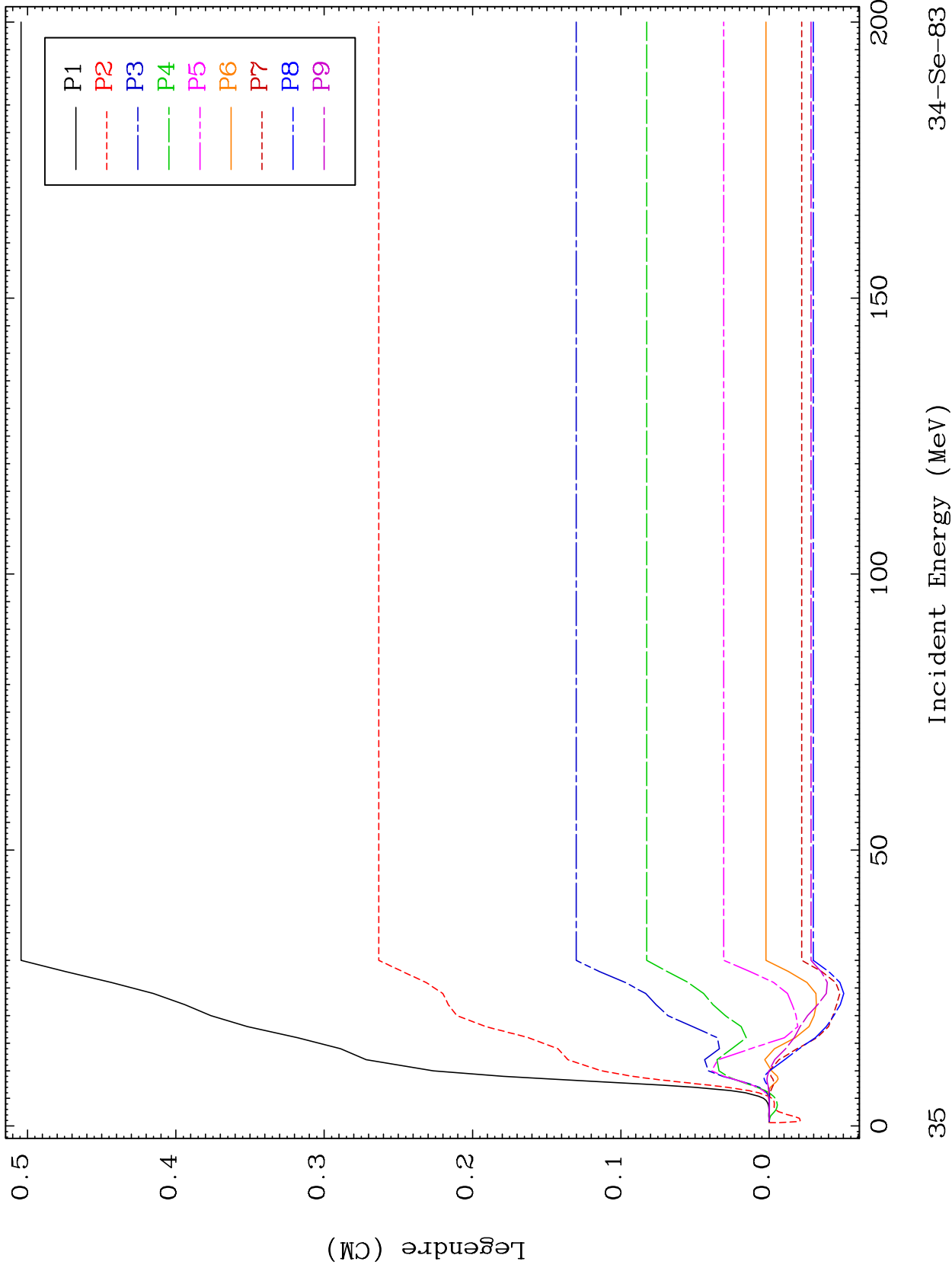
34-Se-83



MAT 3452

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

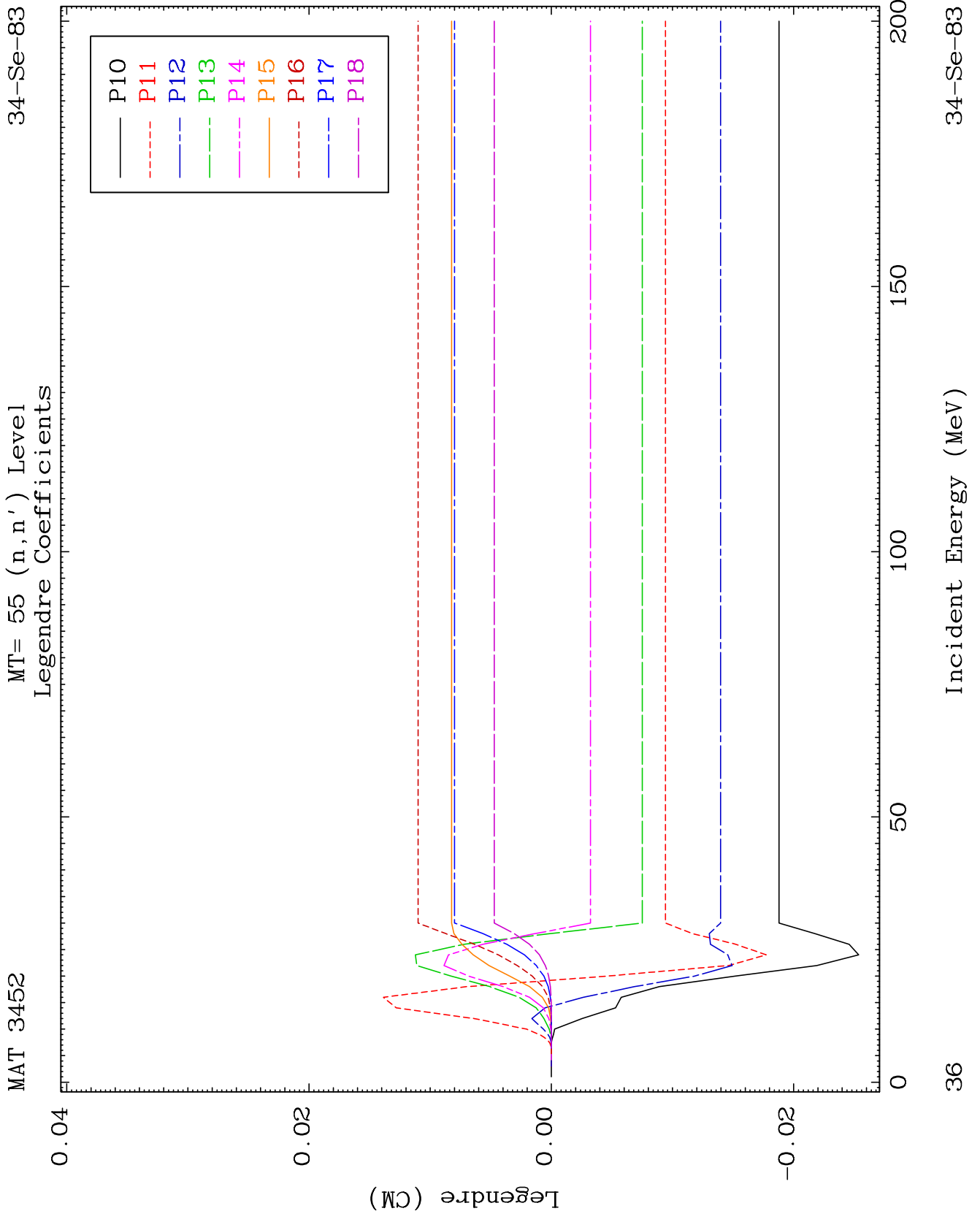
<sup>34</sup>Se-83



<sup>34</sup>Se-83

Incident Energy (MeV)

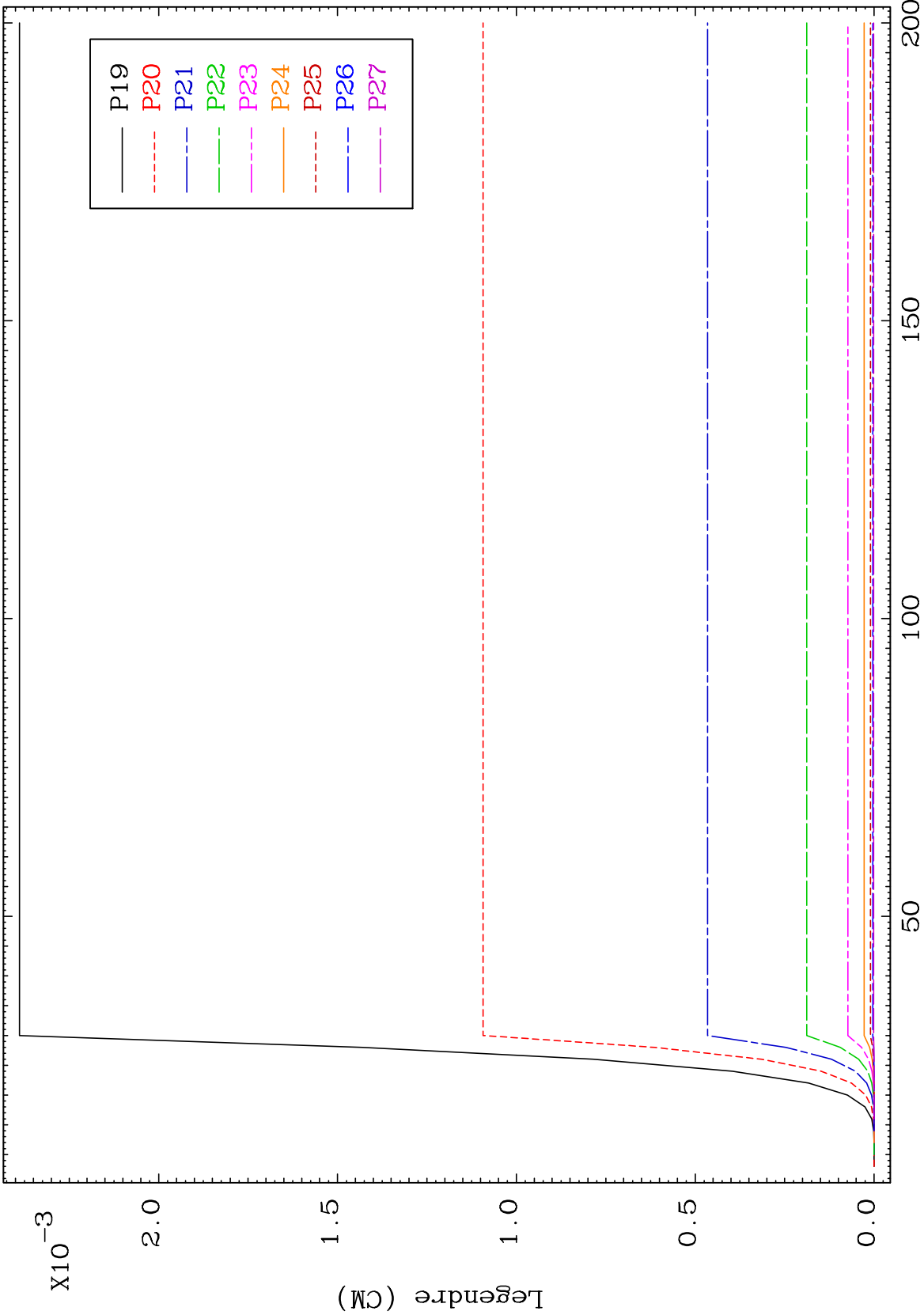
35



MAT 3452

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

<sup>34</sup>Se-83



37

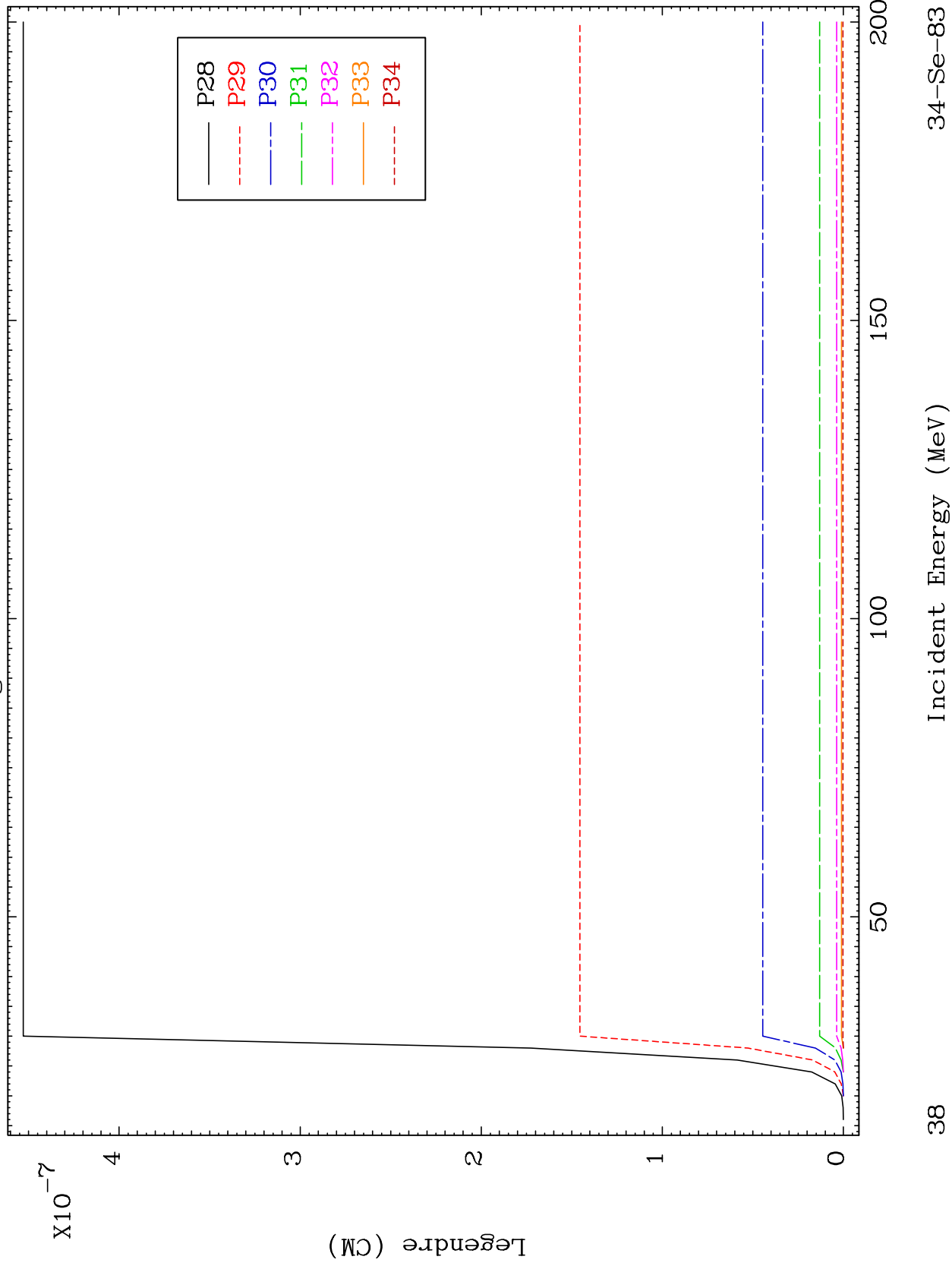
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

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

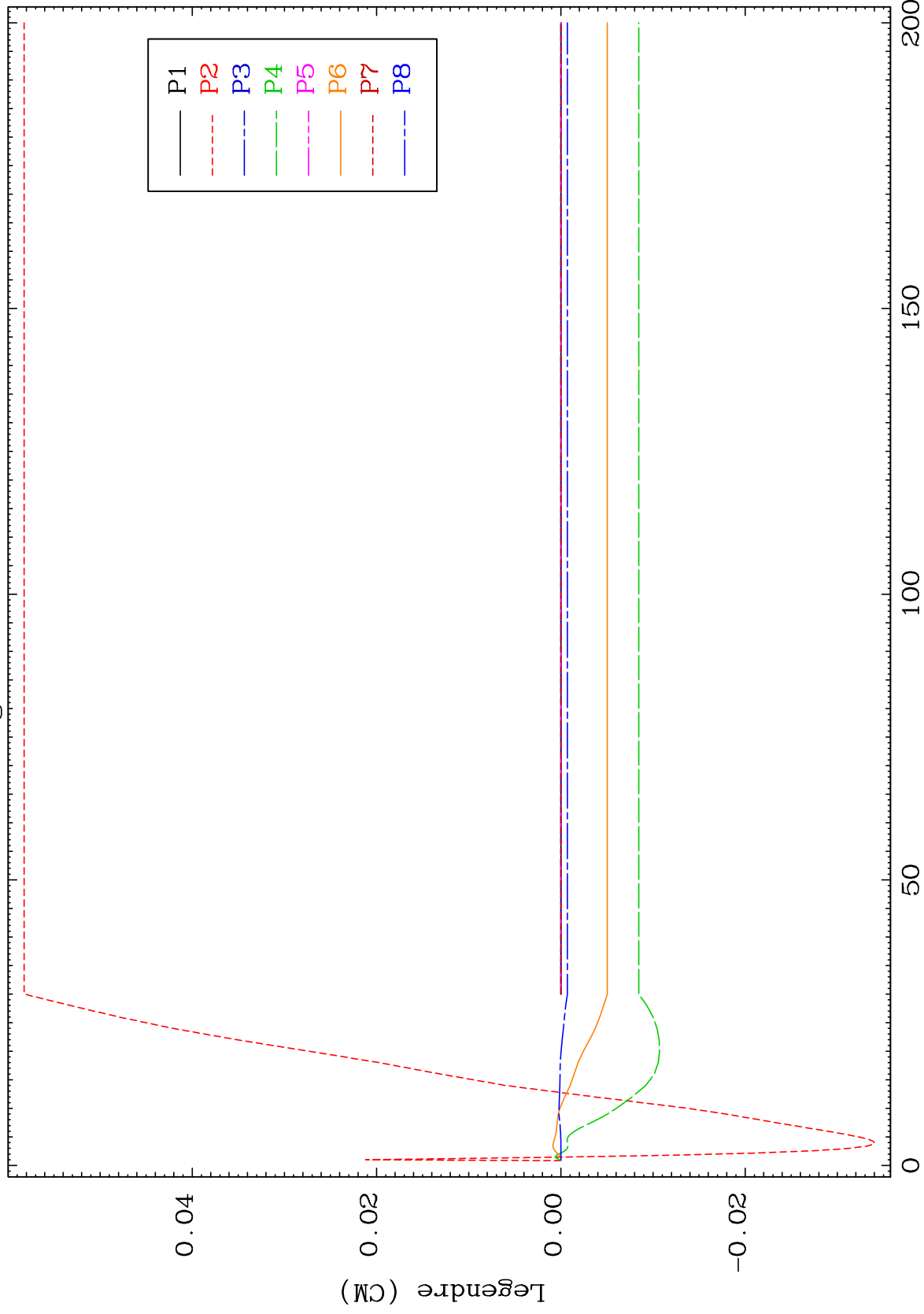
34-Se-83



MAT 3452

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

34-Se-83



34-Se-83

Incident Energy (MeV)

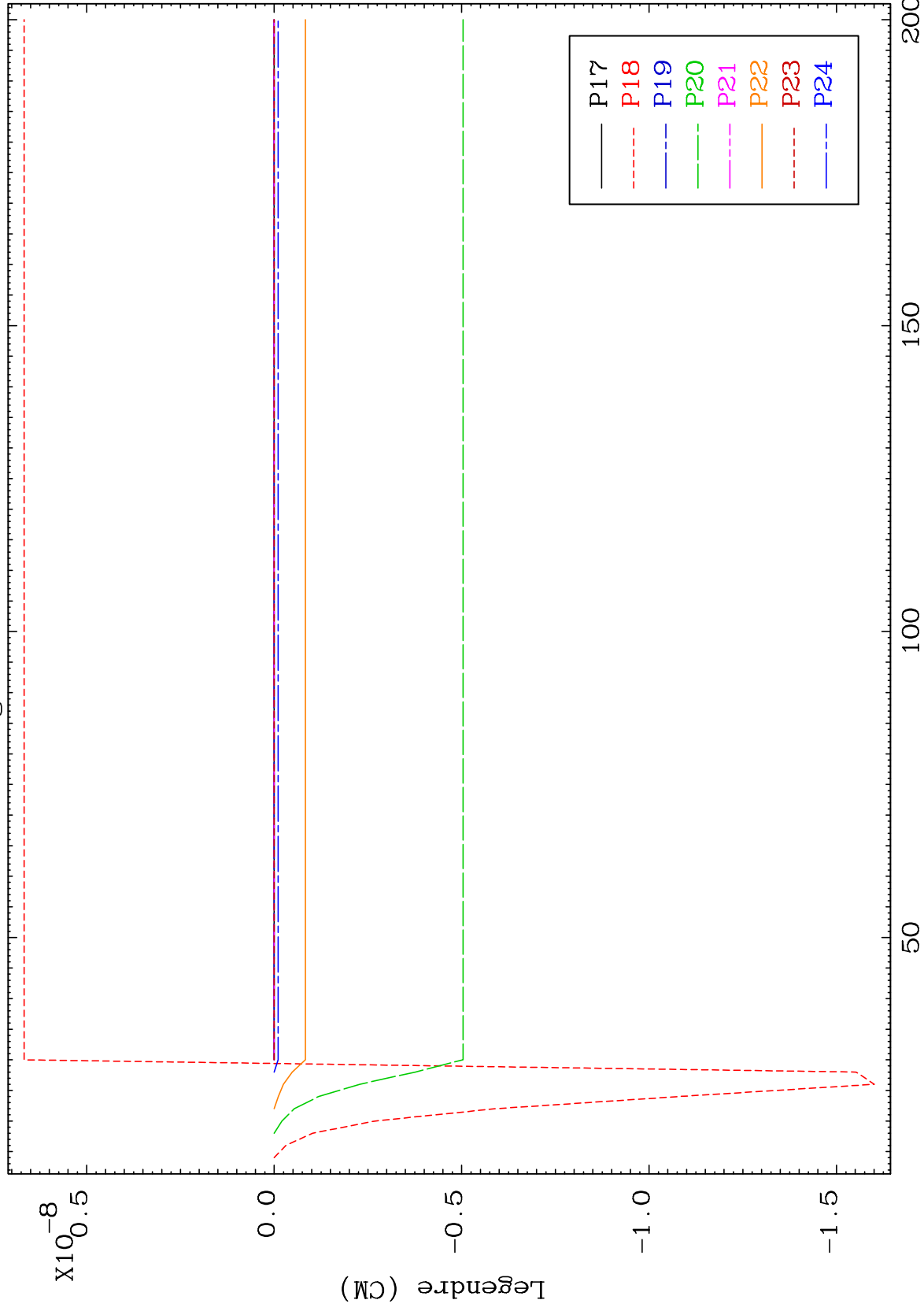
39



MAT 3452

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

34-Se-83



41

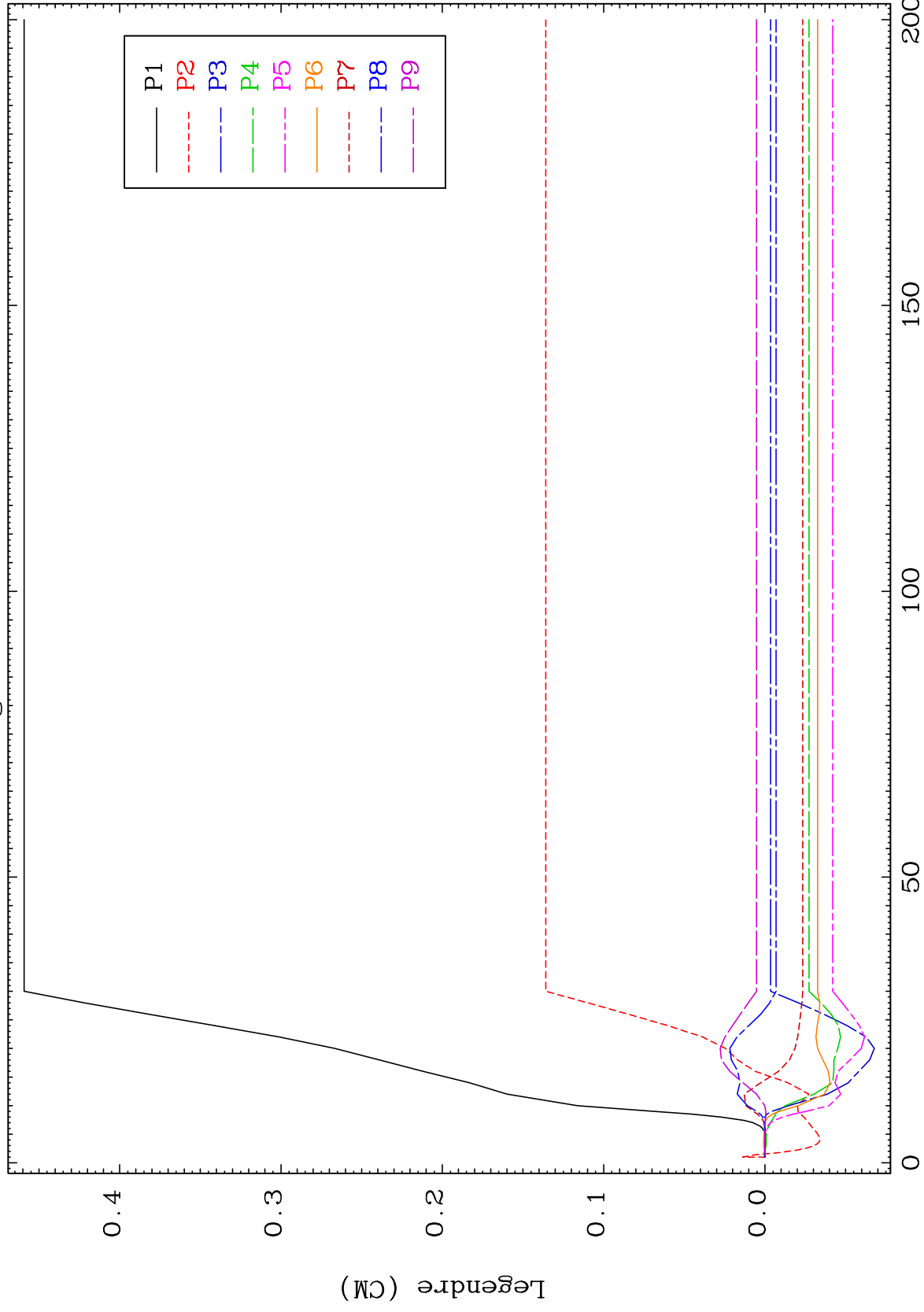
Incident Energy (MeV)

34-Se-83

MAT 3452

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

<sup>34</sup>Se-83



42

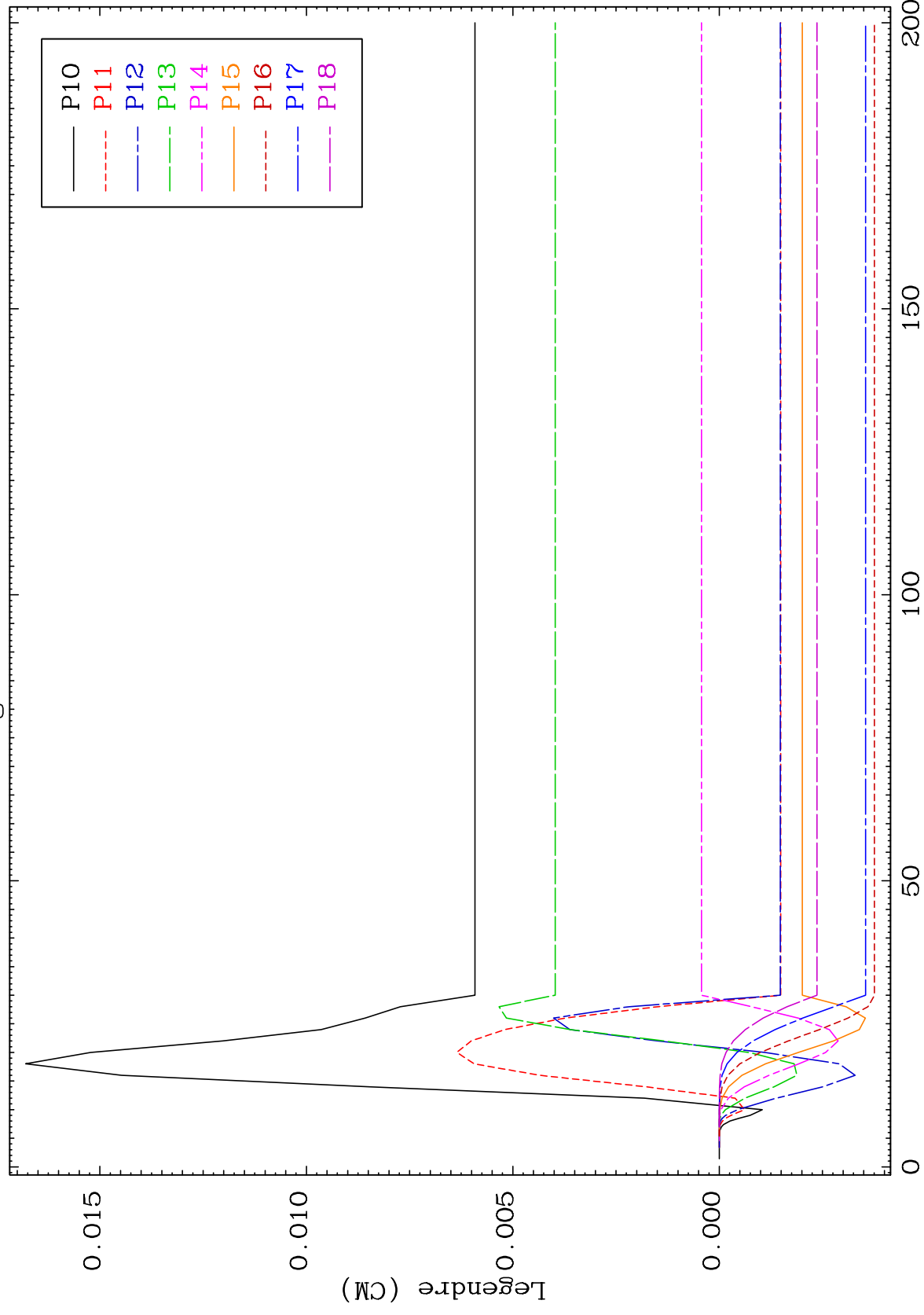
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

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

34-Se-83



43

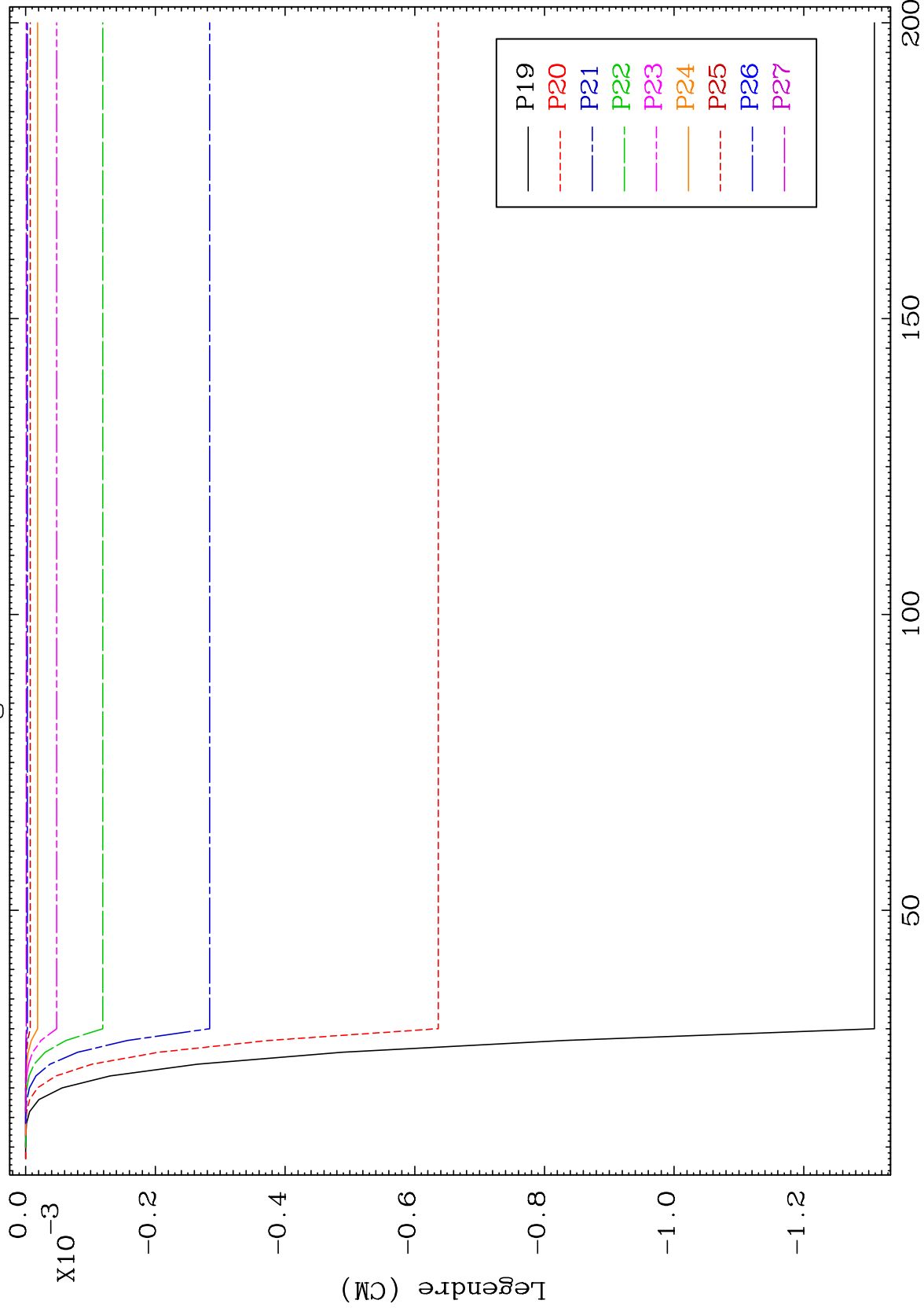
Incident Energy (MeV)

34-Se-83

MAT 3452

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

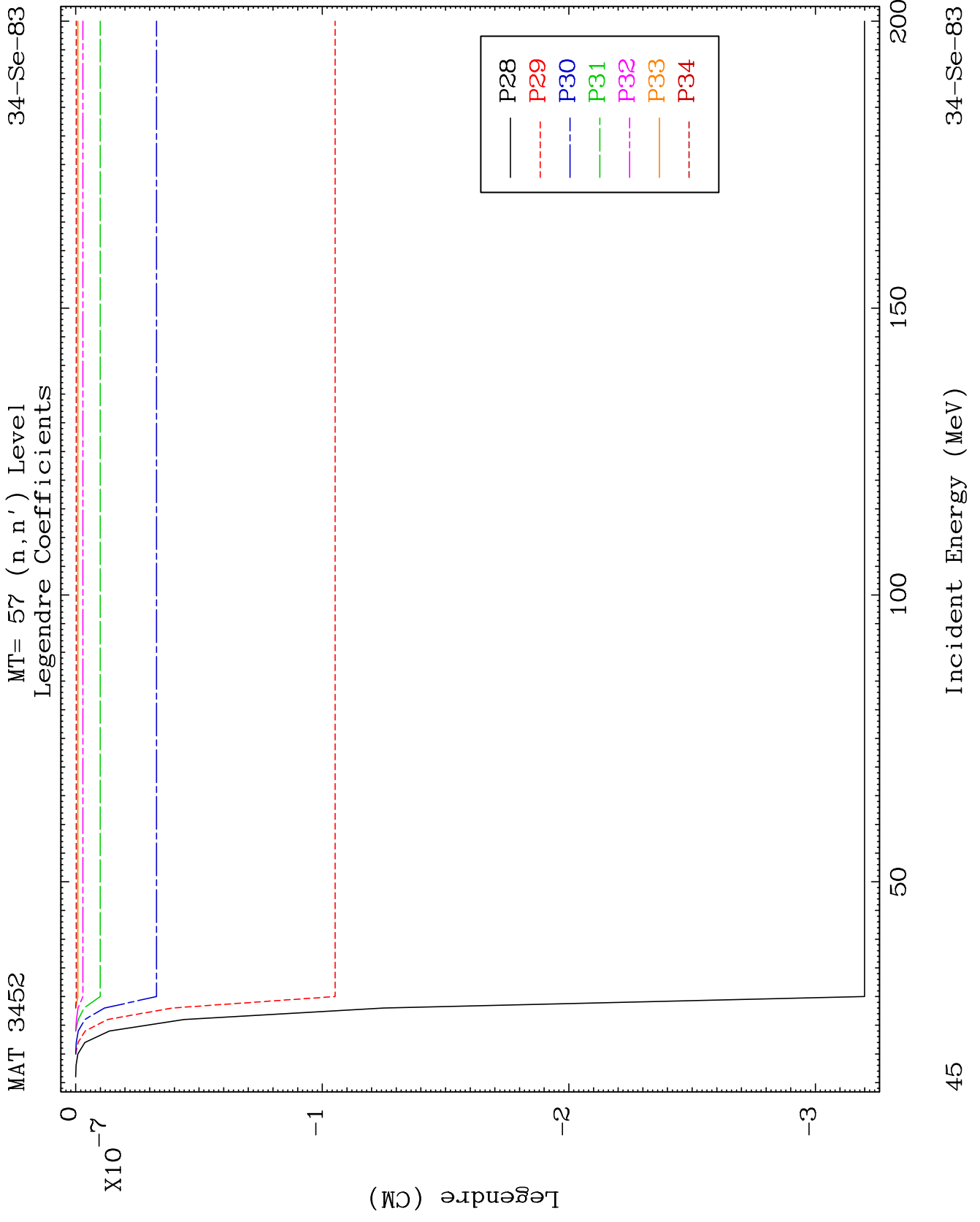
34-Se-83



34-Se-83

Incident Energy (MeV)

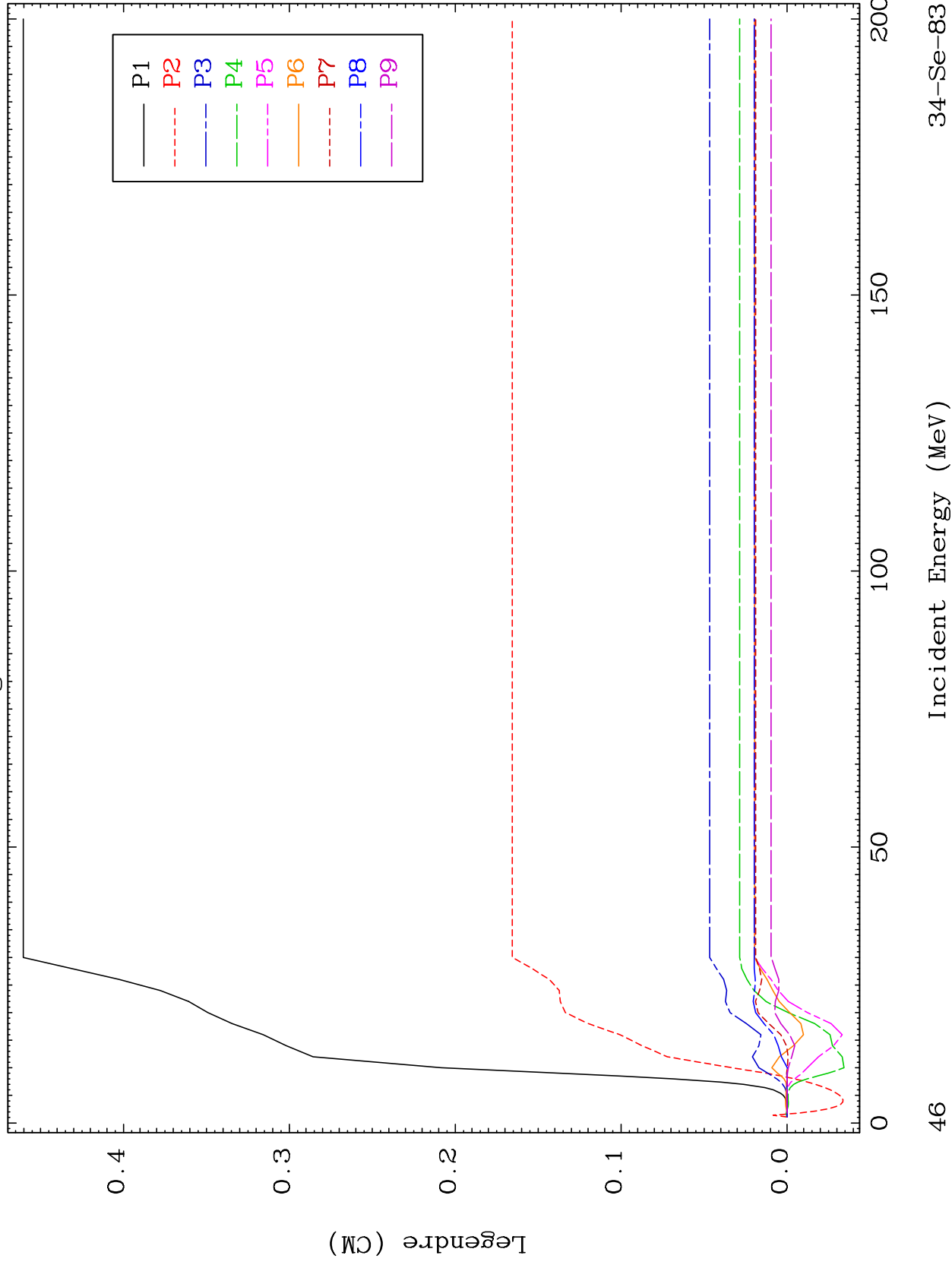
44



MAT 3452

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

<sup>34</sup>Se-83



<sup>34</sup>Se-83

Incident Energy (MeV)

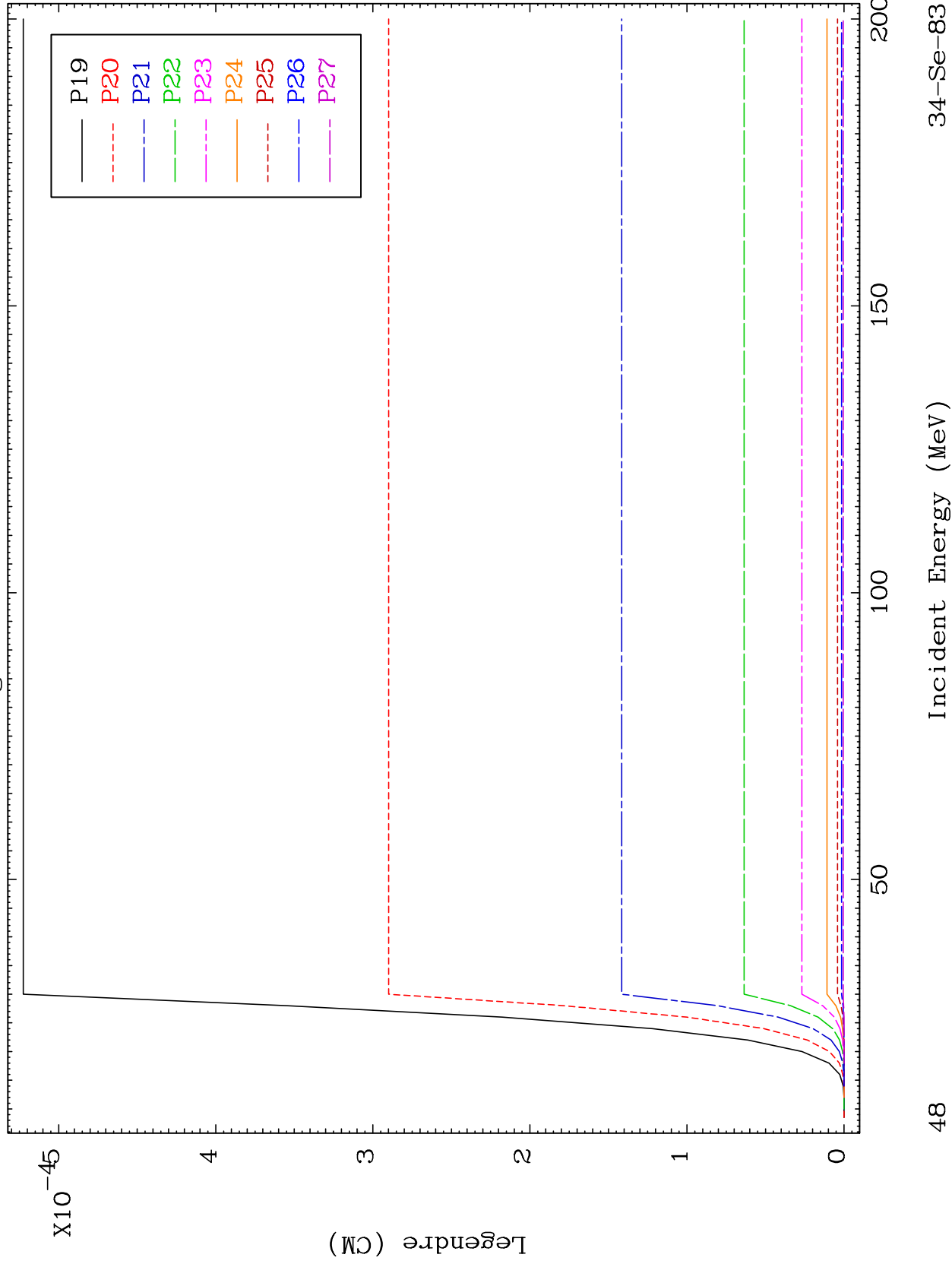
46



MAT 3452

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

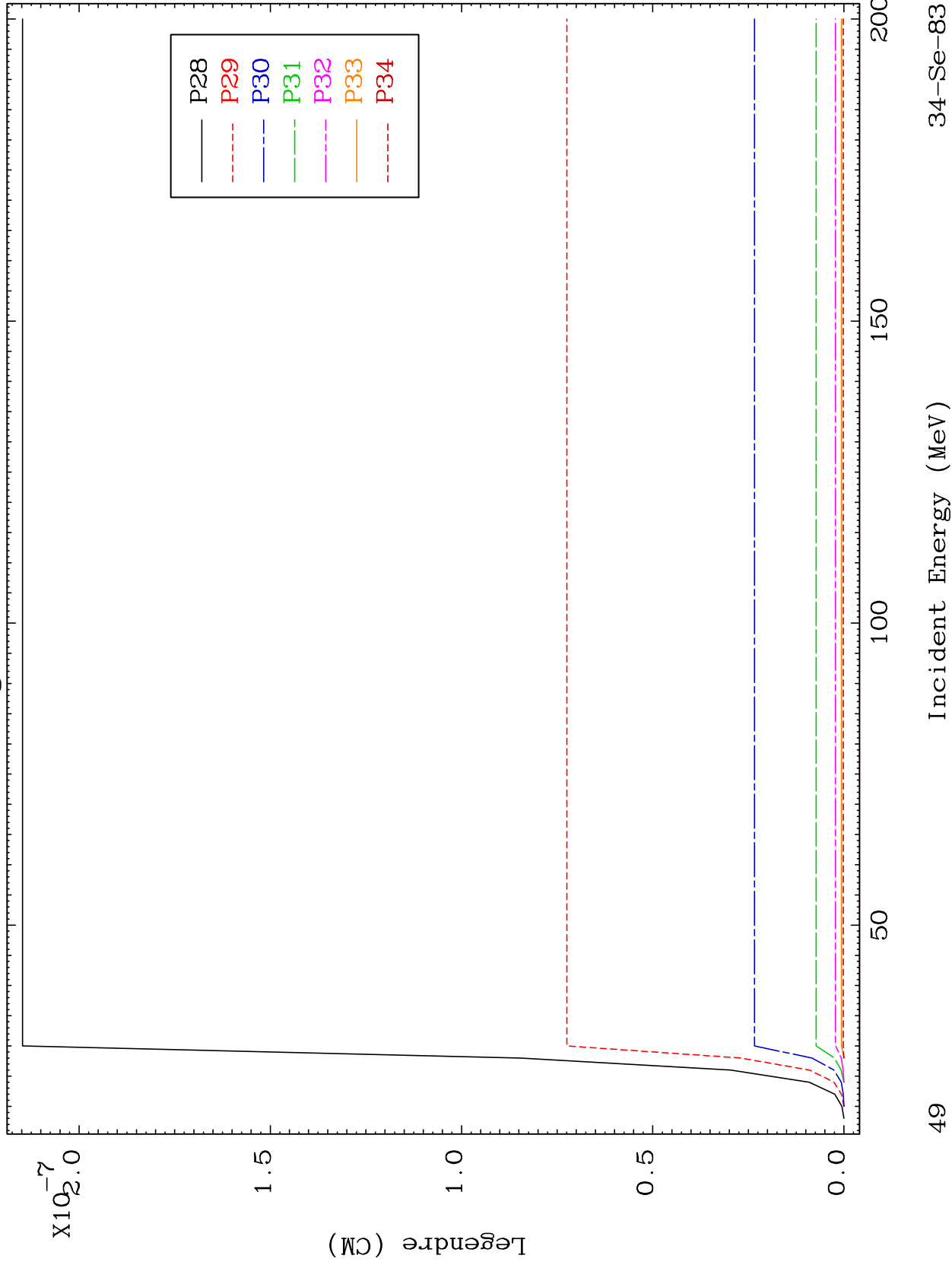
<sup>34</sup>Se-83



MAT 3452

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

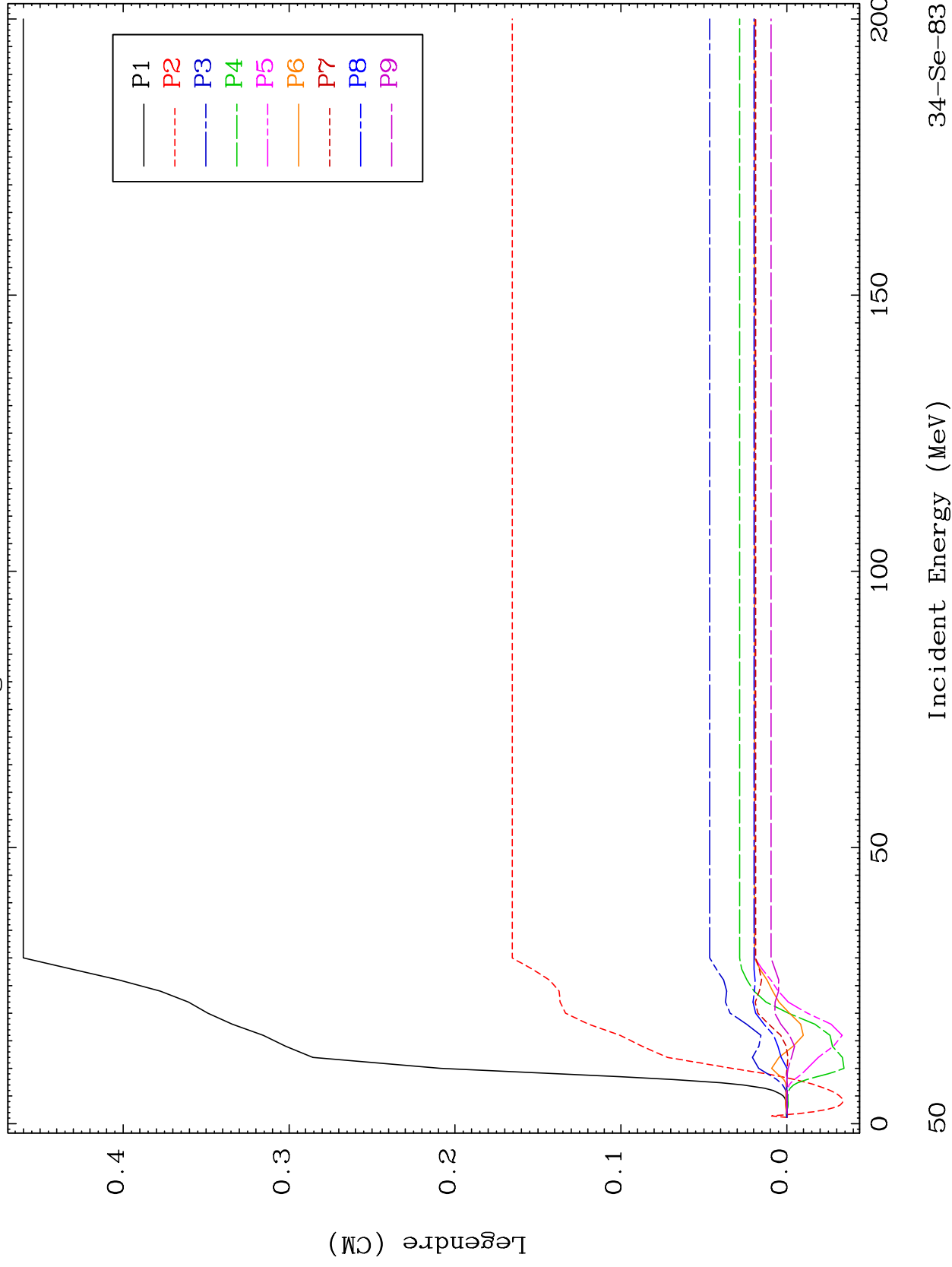
34-Se-83



MAT 3452

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

<sup>34</sup>Se-83

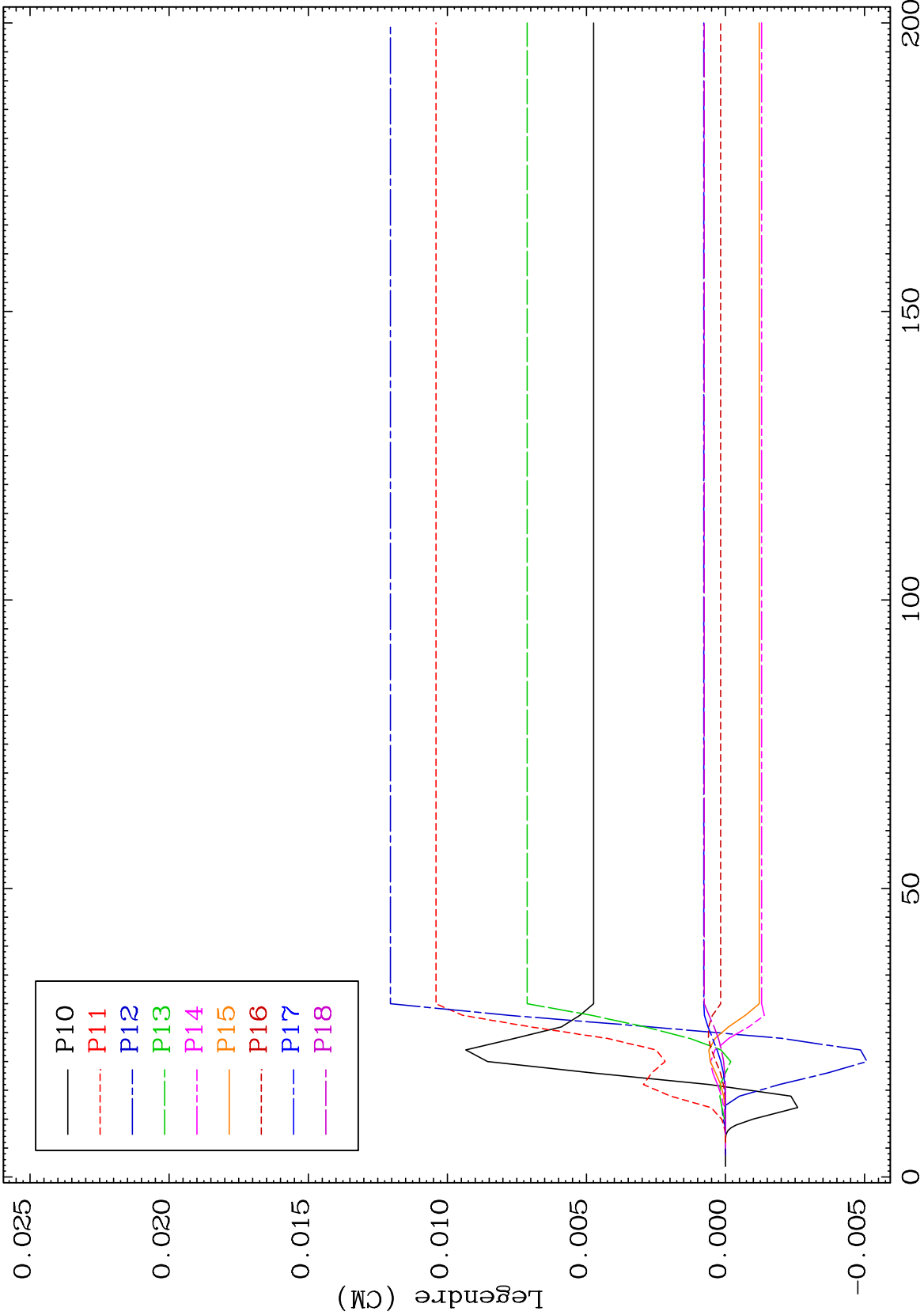


<sup>34</sup>Se-83

MAT 3452

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

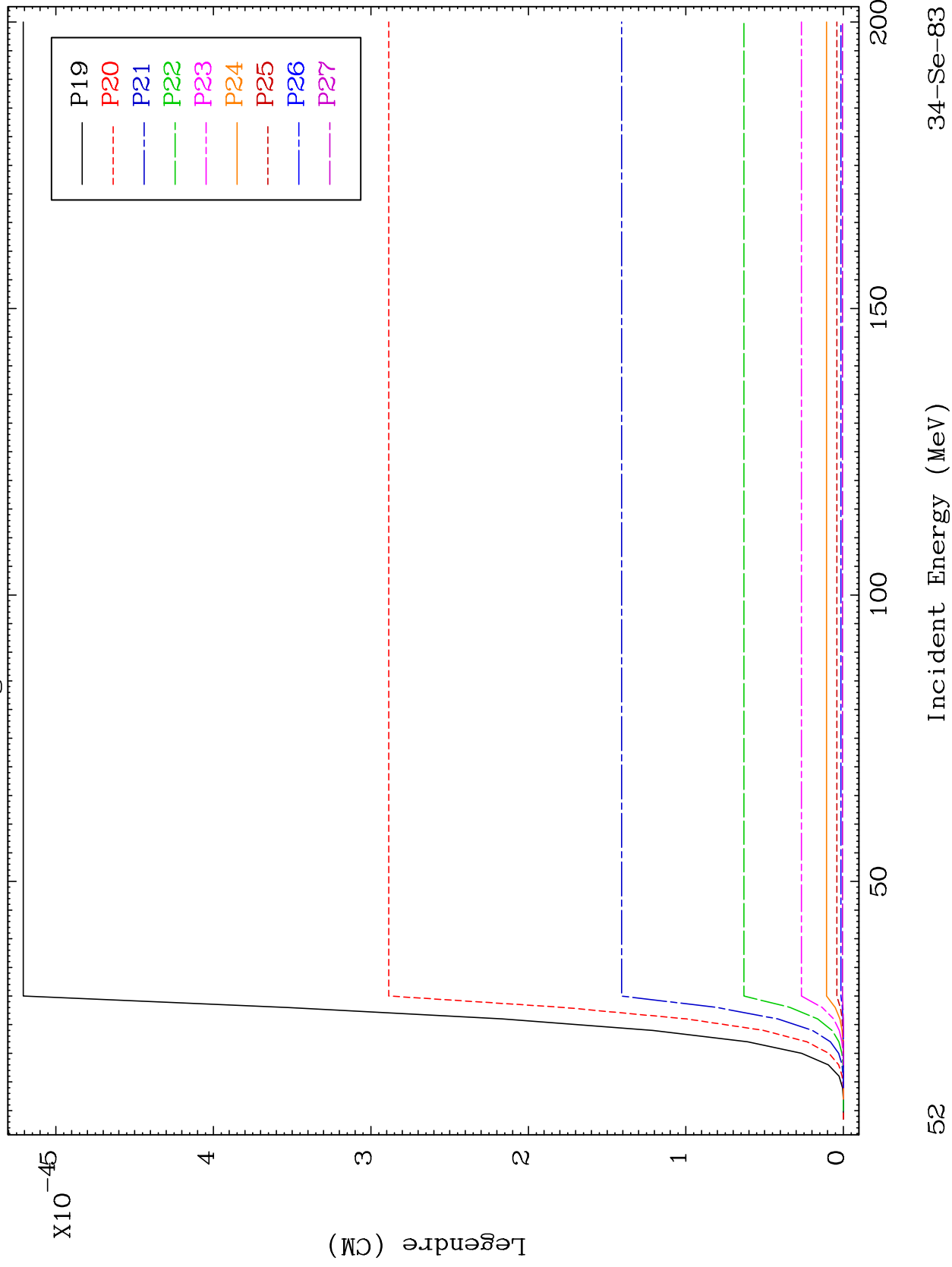
34-Se-83



MAT 3452

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

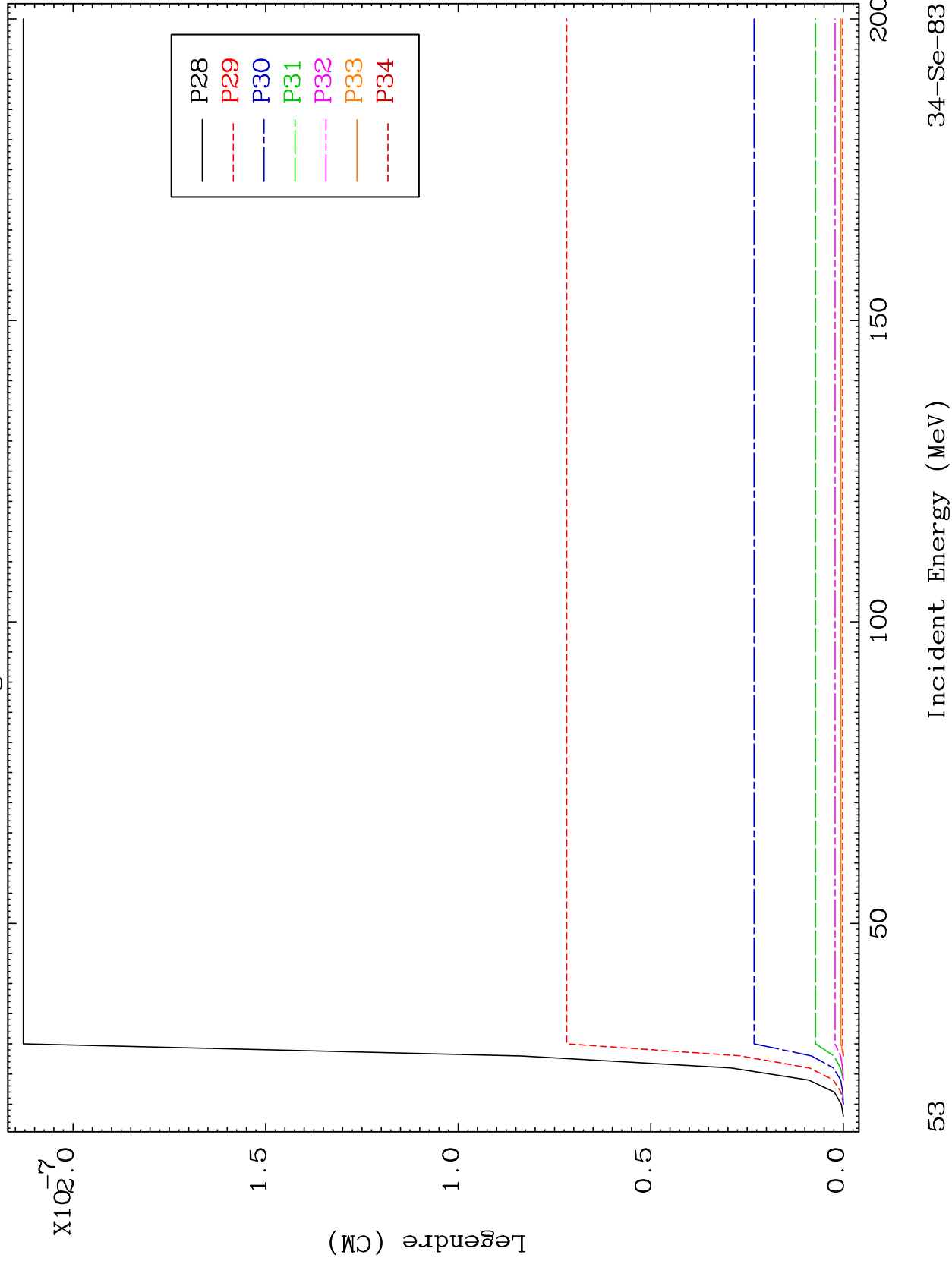
34-Se-83



MAT 3452

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

34-Se-83



53

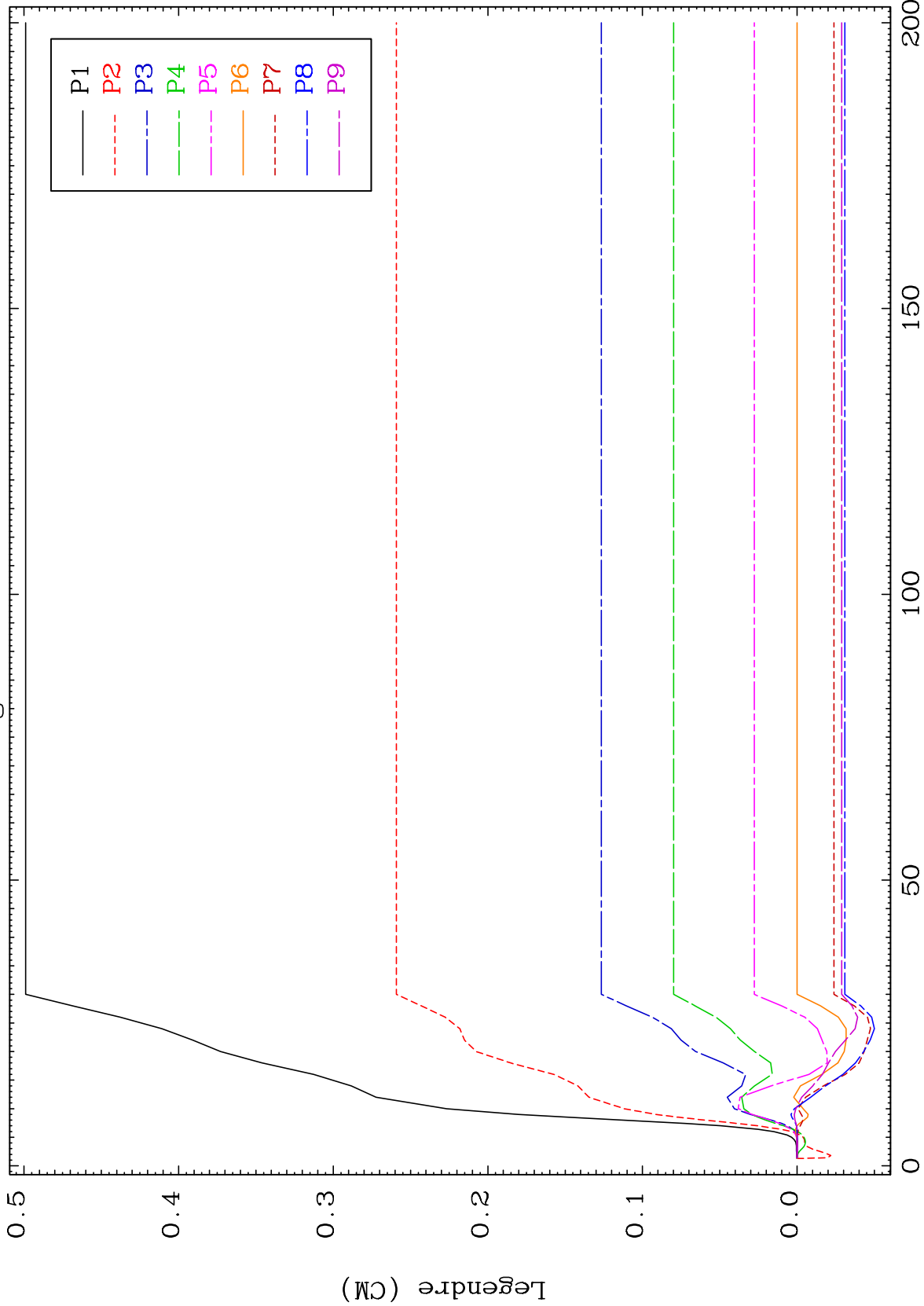
Incident Energy (MeV)

34-Se-83

MAT 3452

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

<sup>34</sup>Se-83



54

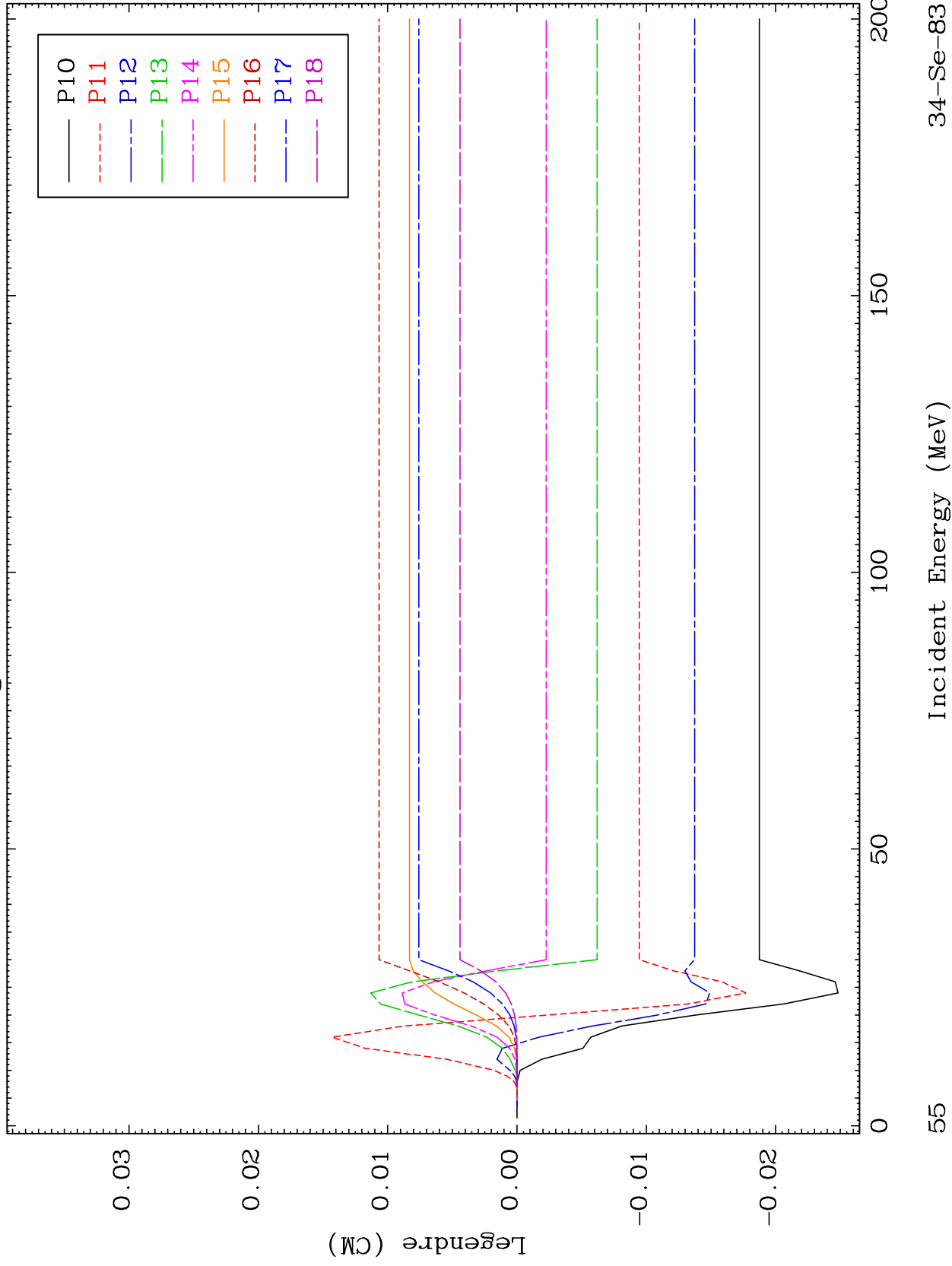
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

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

34-Se-83



34-Se-83

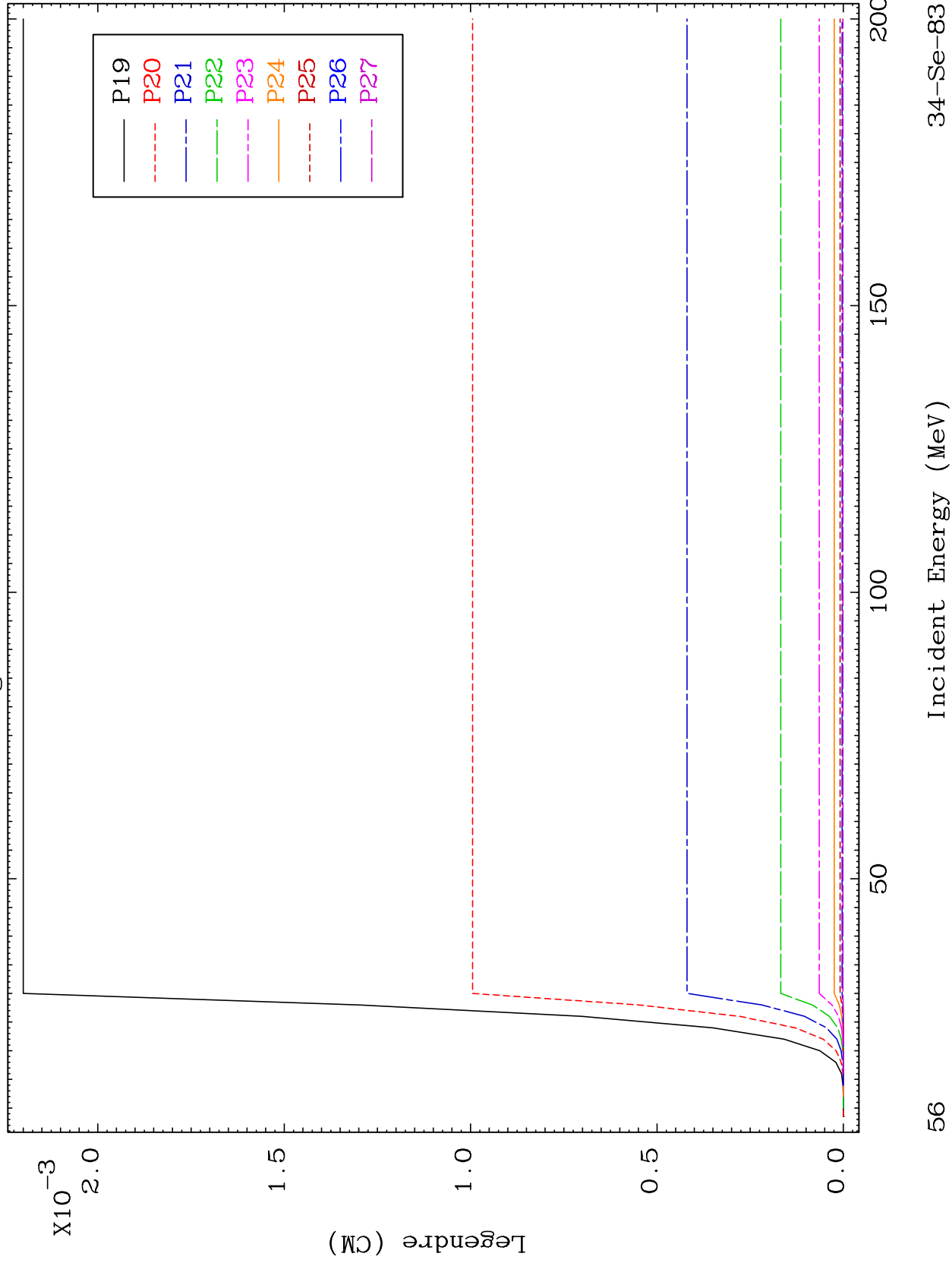
Incident Energy (MeV)

55

MAT 3452

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

<sup>34</sup>Se-83



56

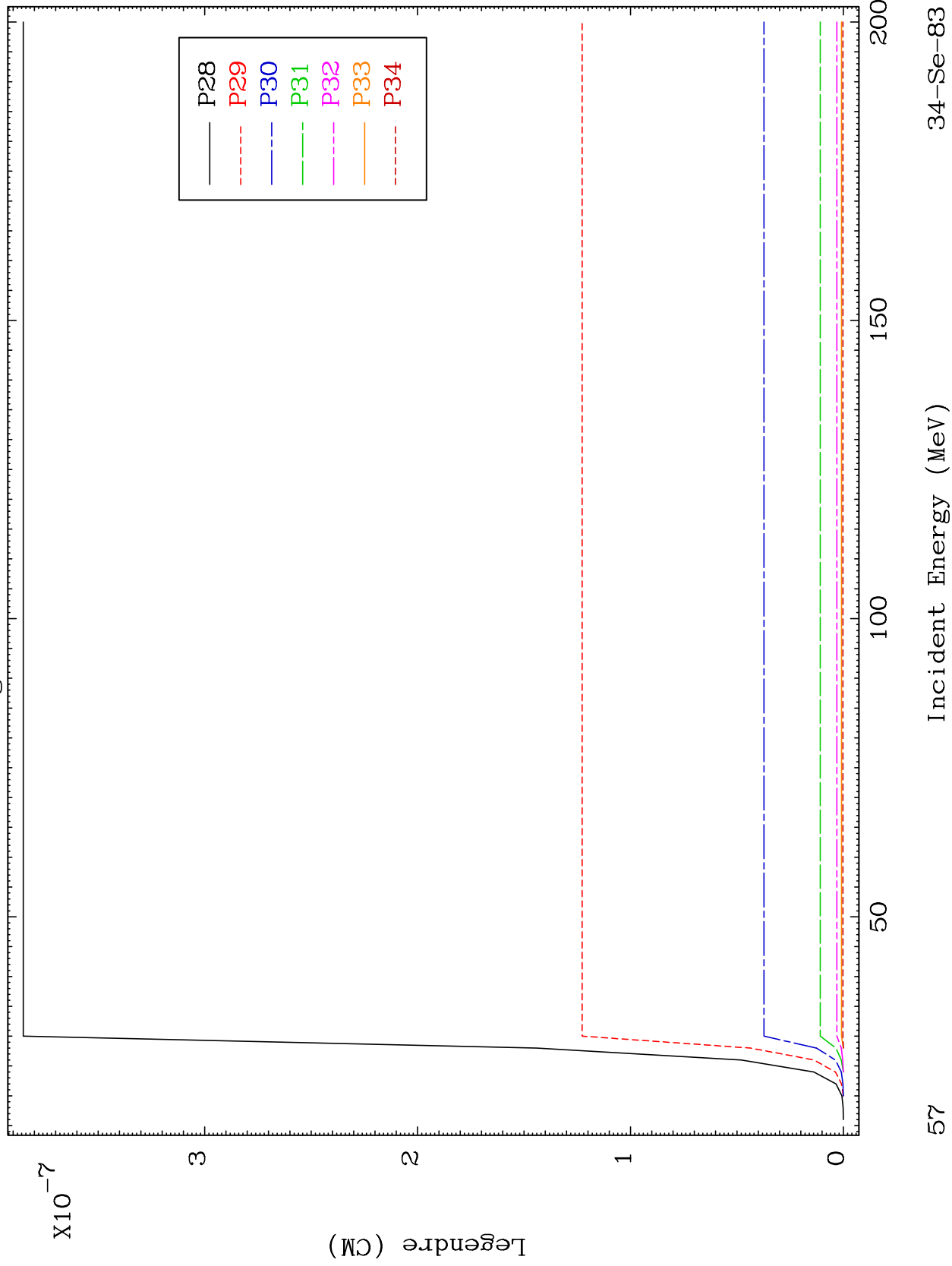
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

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

34-Se-83



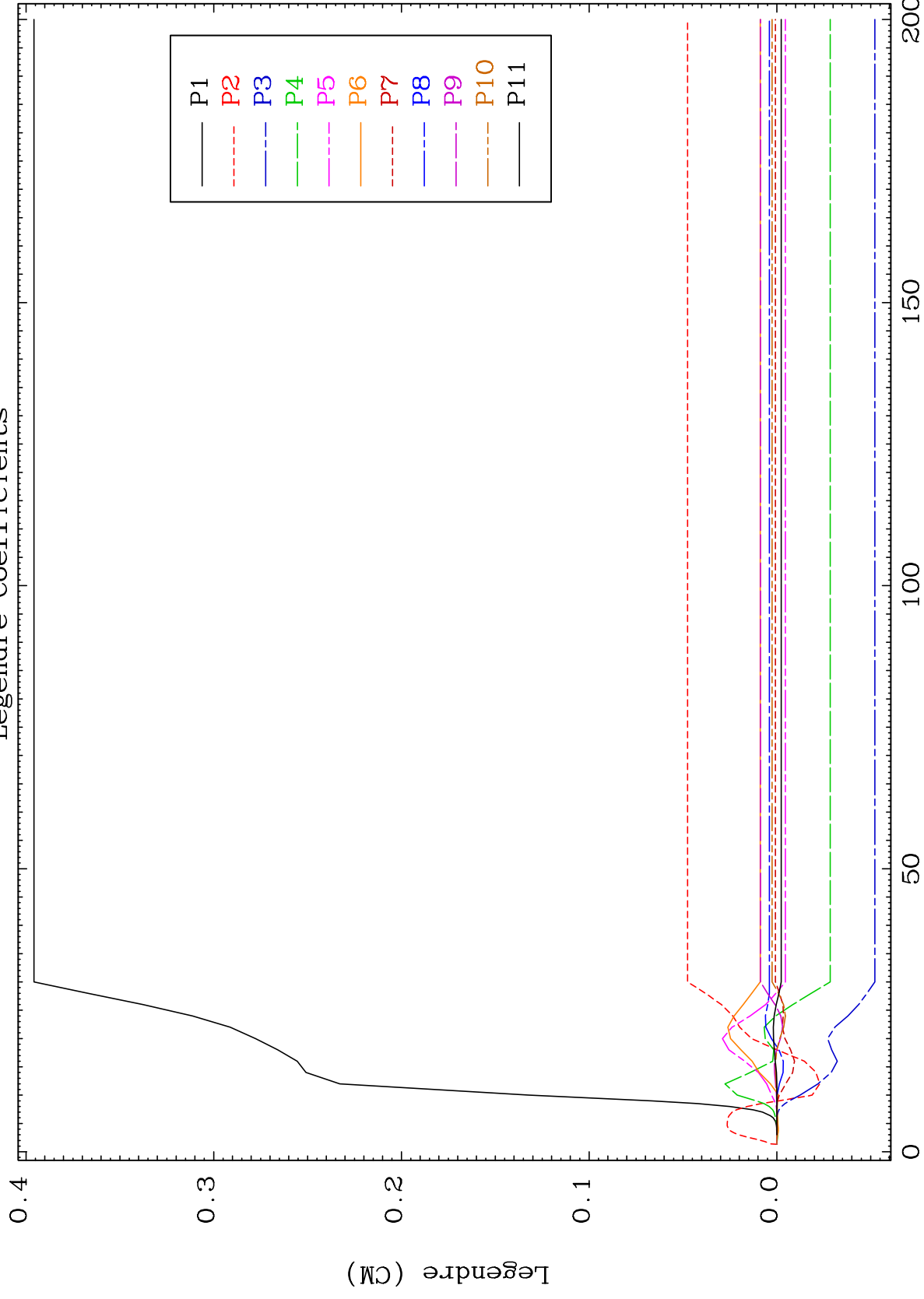
57

34-Se-83

MAT 3452

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

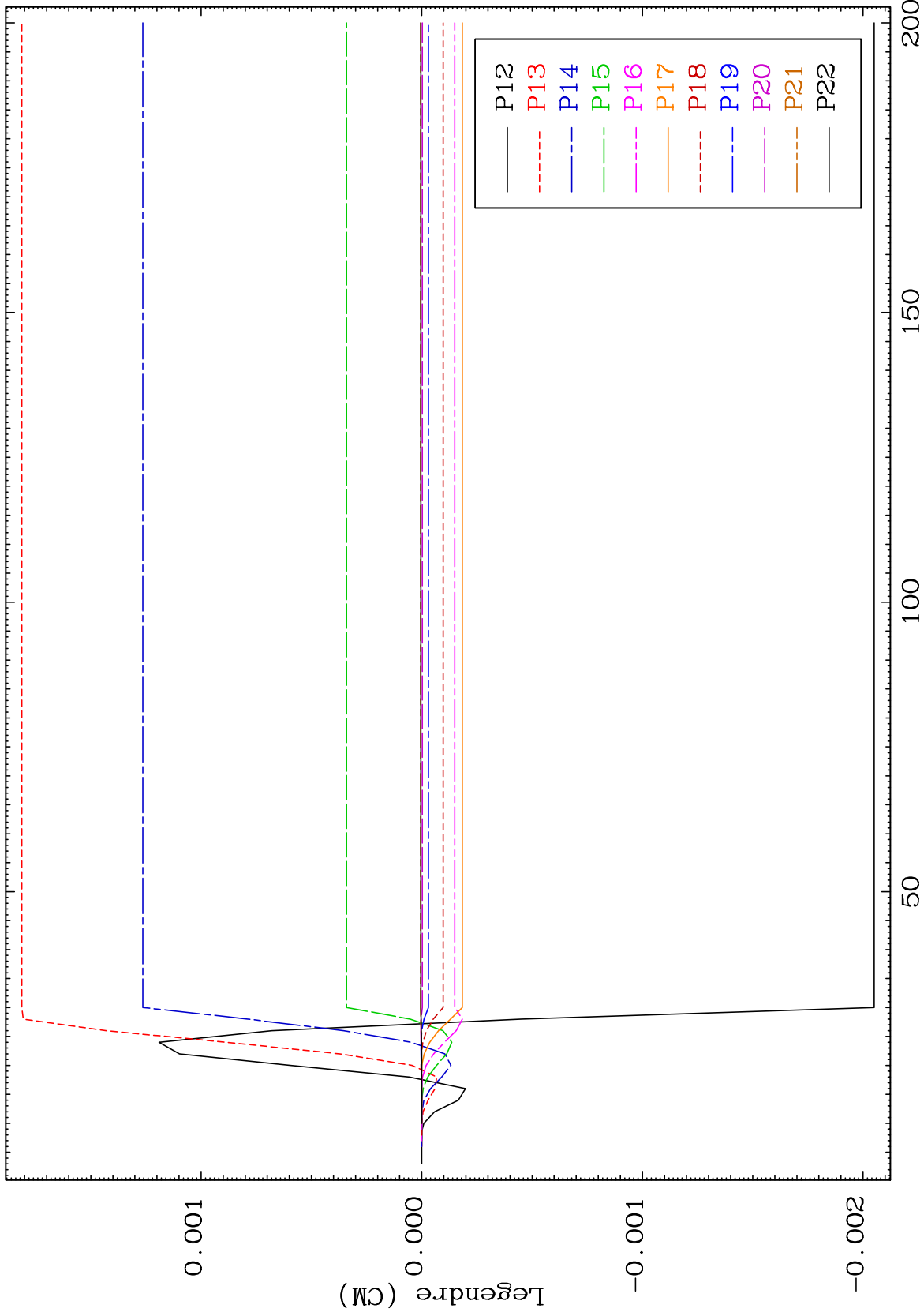
<sup>34</sup>Se-83



<sup>34</sup>Se-83

Incident Energy (MeV)

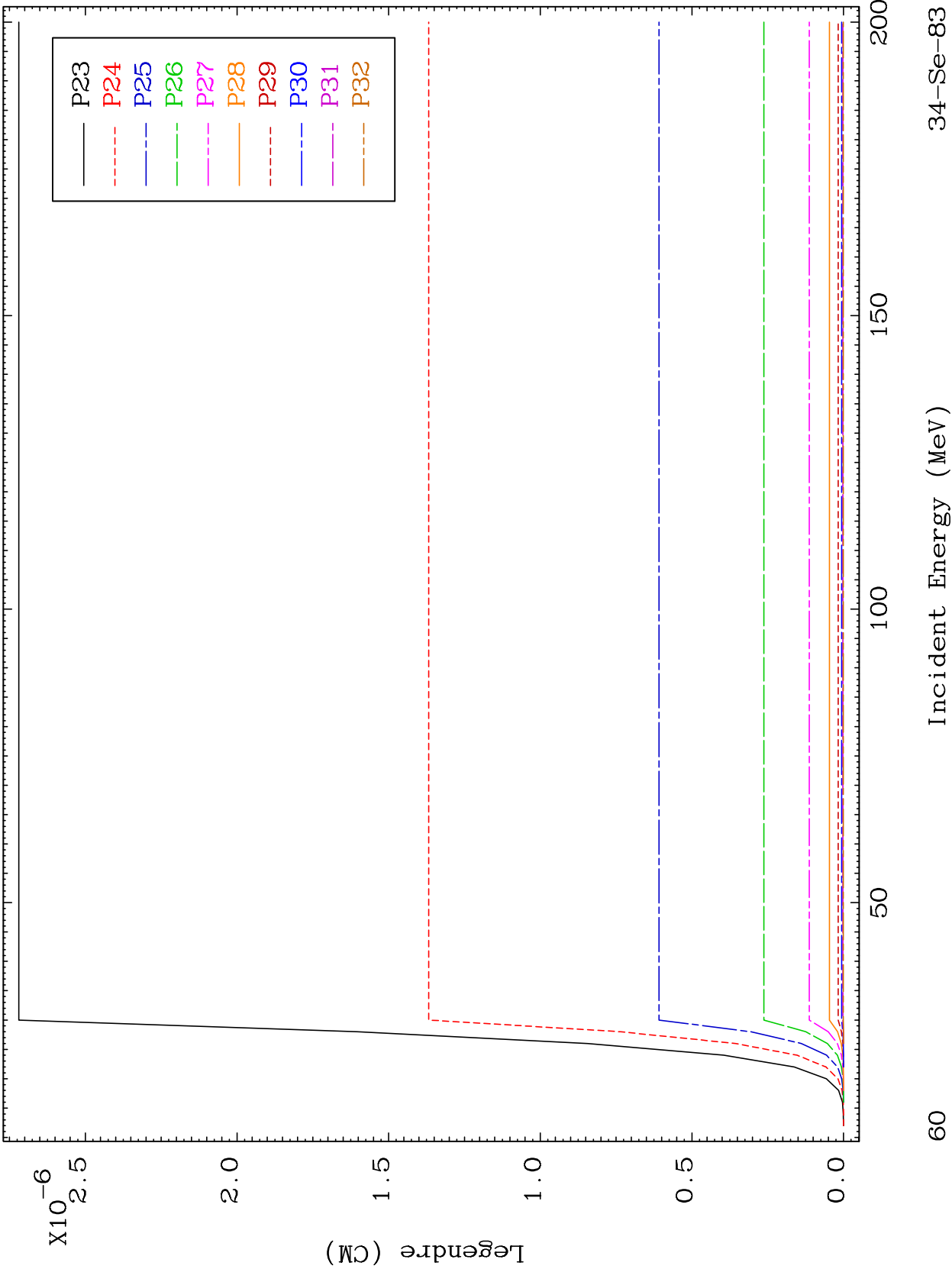
58



MAT 3452

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

<sup>34</sup>Se-83



<sup>34</sup>Se-83

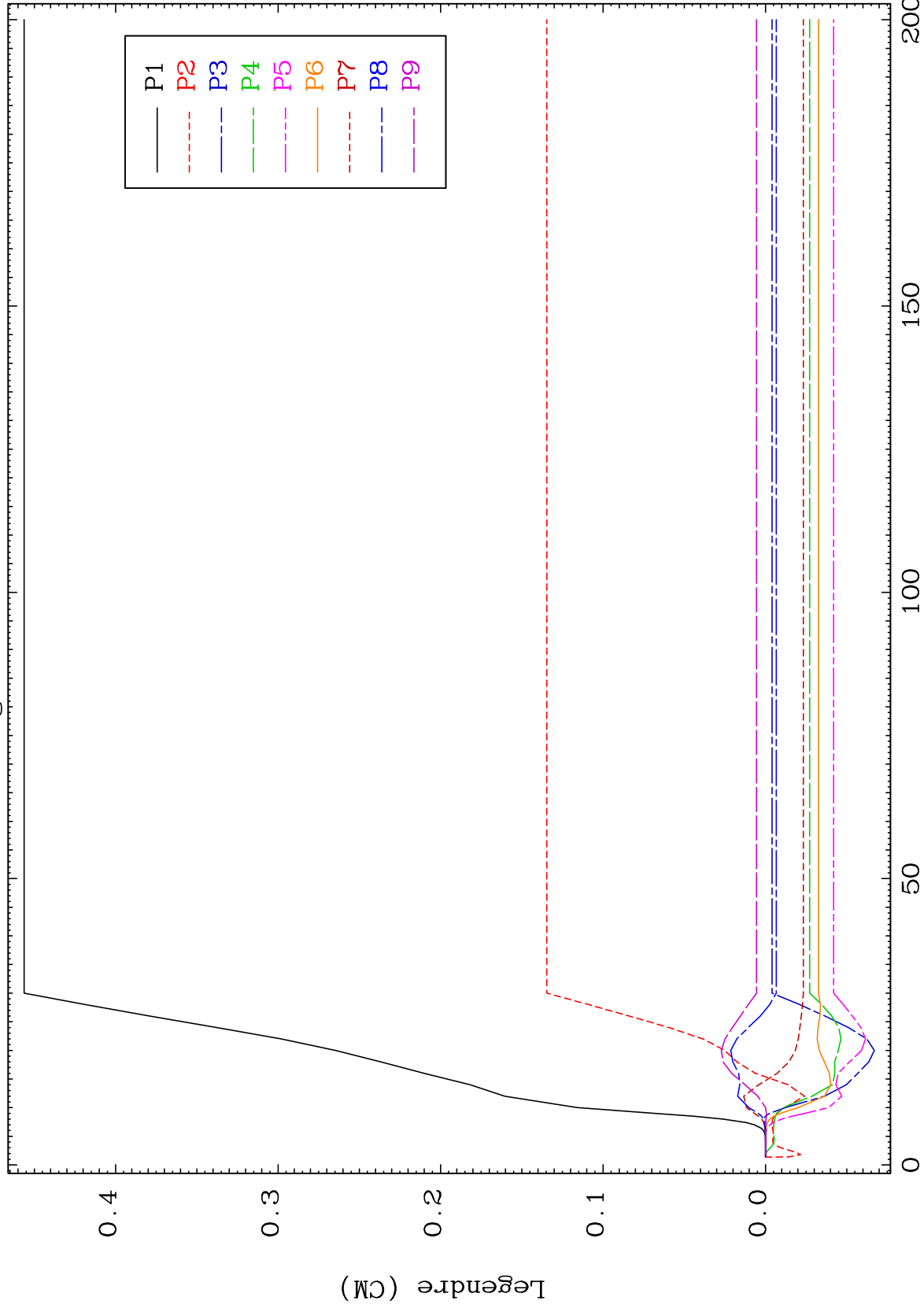
Incident Energy (MeV)

60

MAT 3452

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

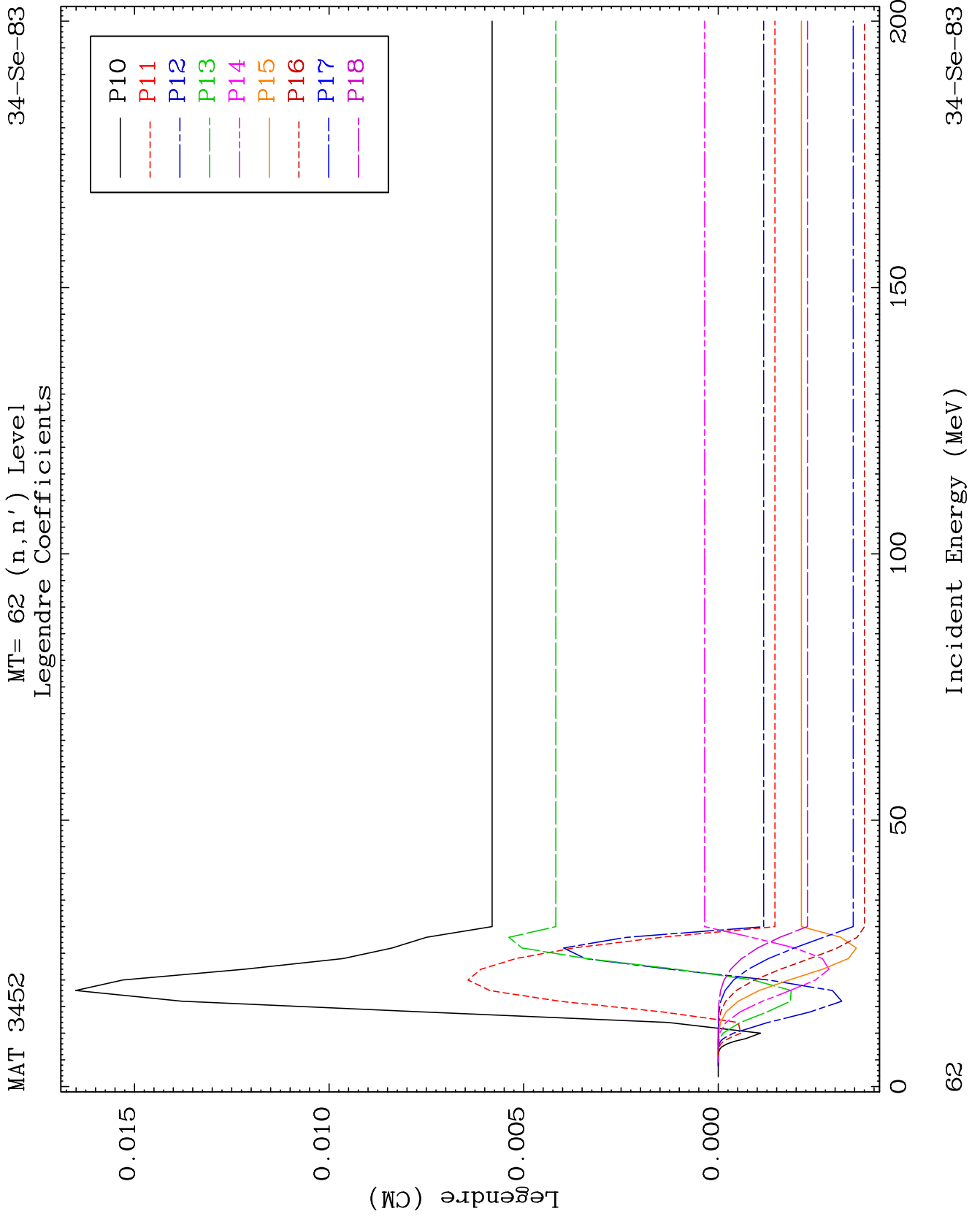
34-Se-83



61

Incident Energy (MeV)

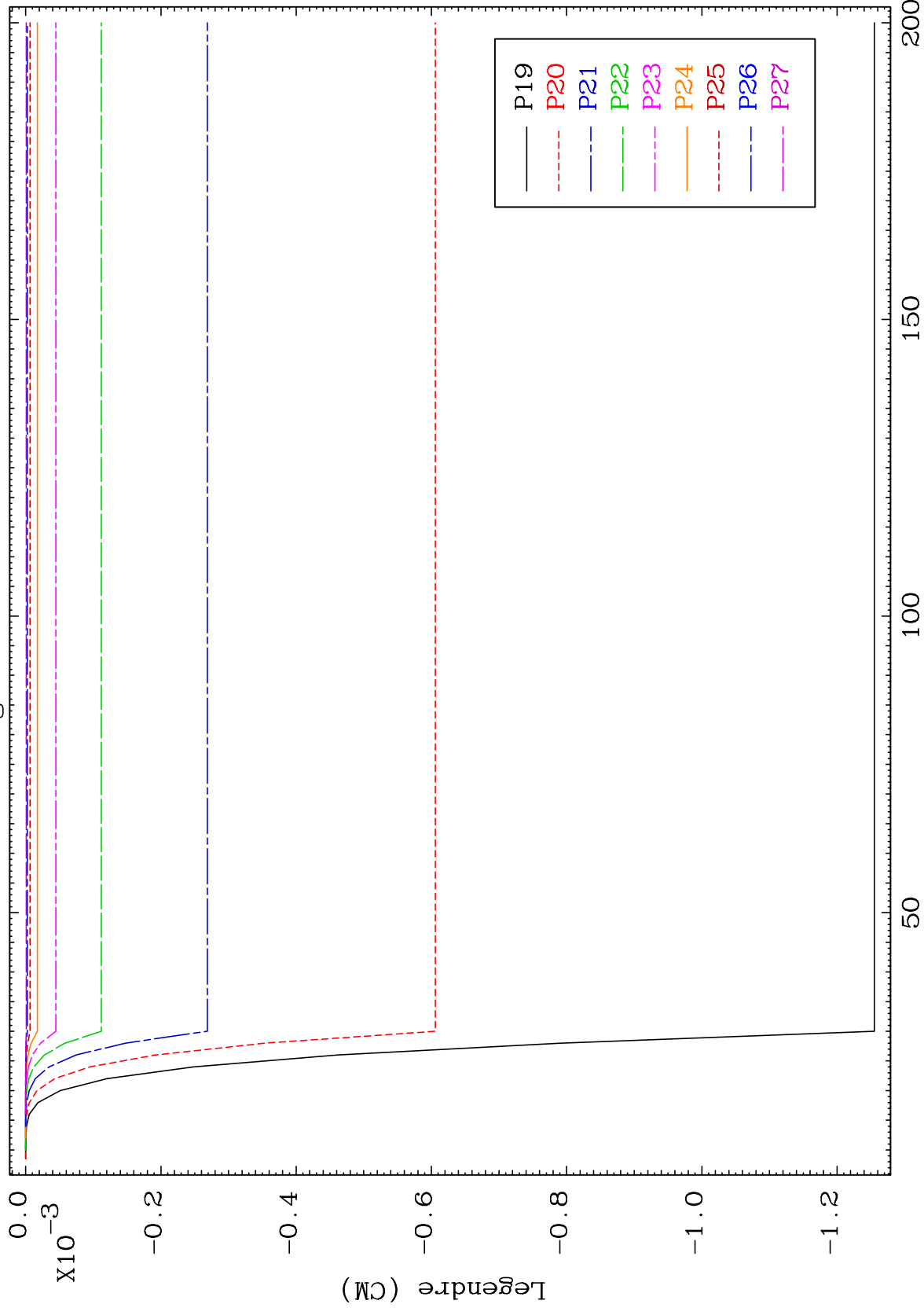
34-Se-83



MAT 3452

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

34-Se-83



63

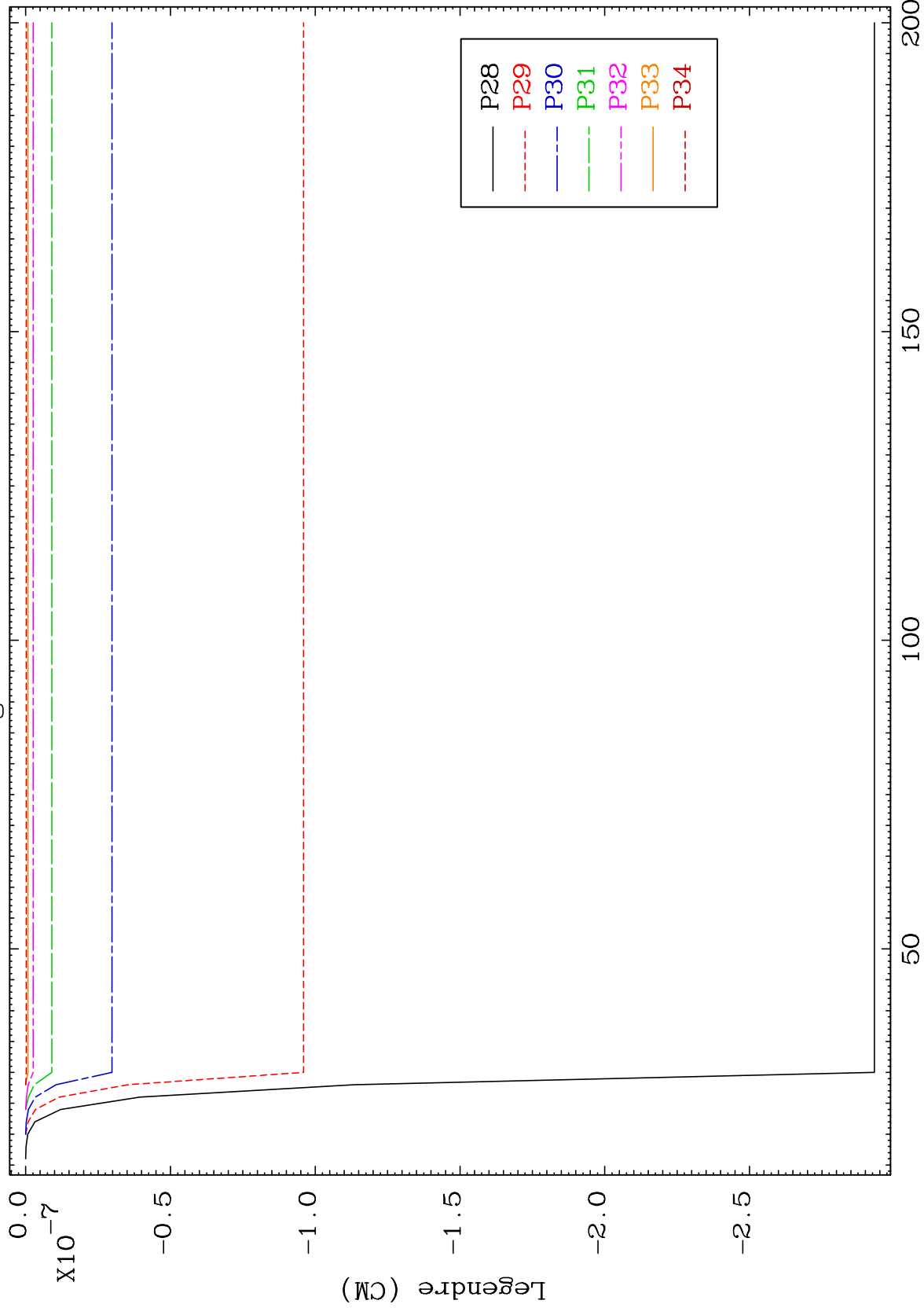
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



34-Se-83

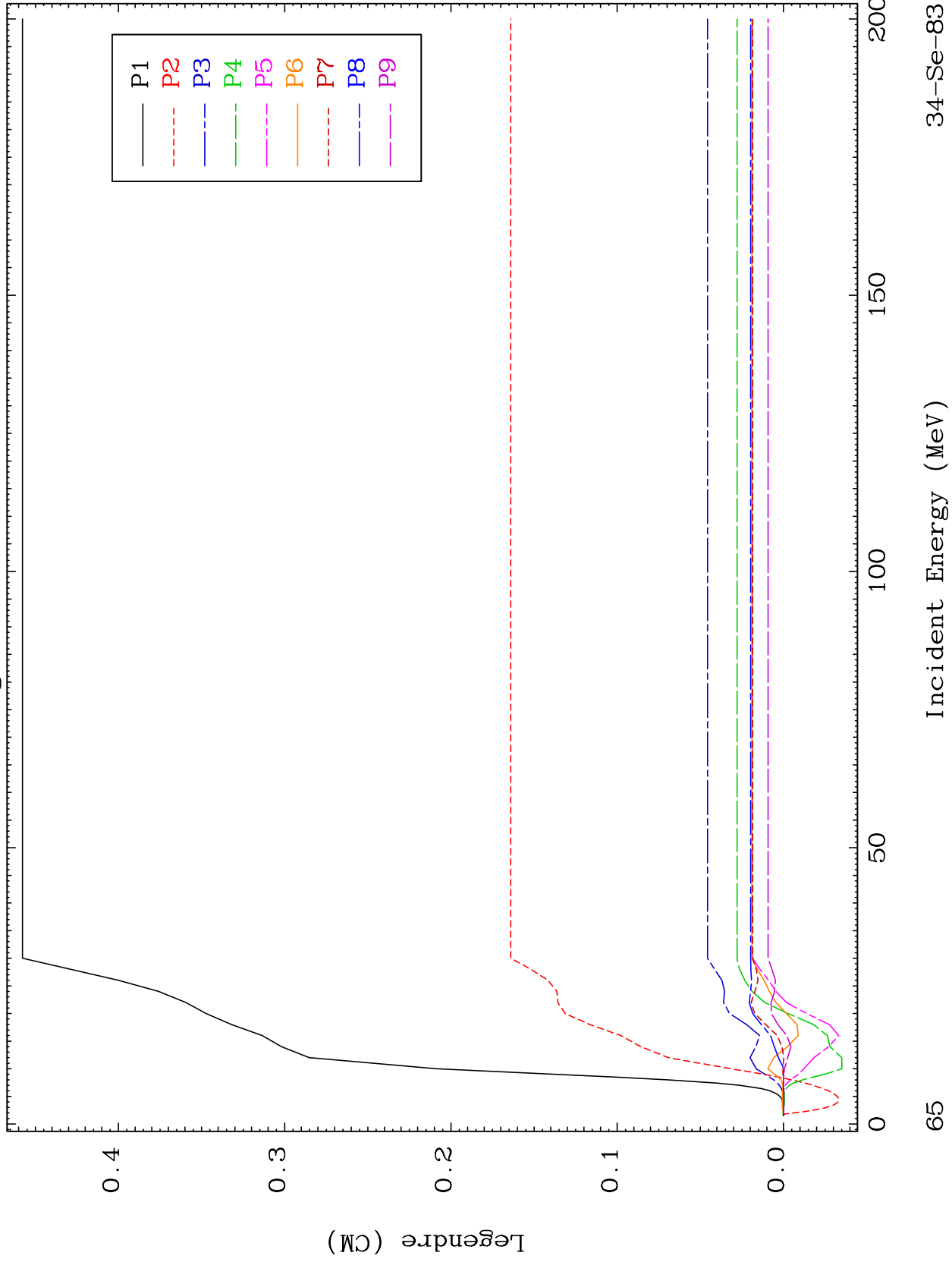
Incident Energy (MeV)

64

MAT 3452

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

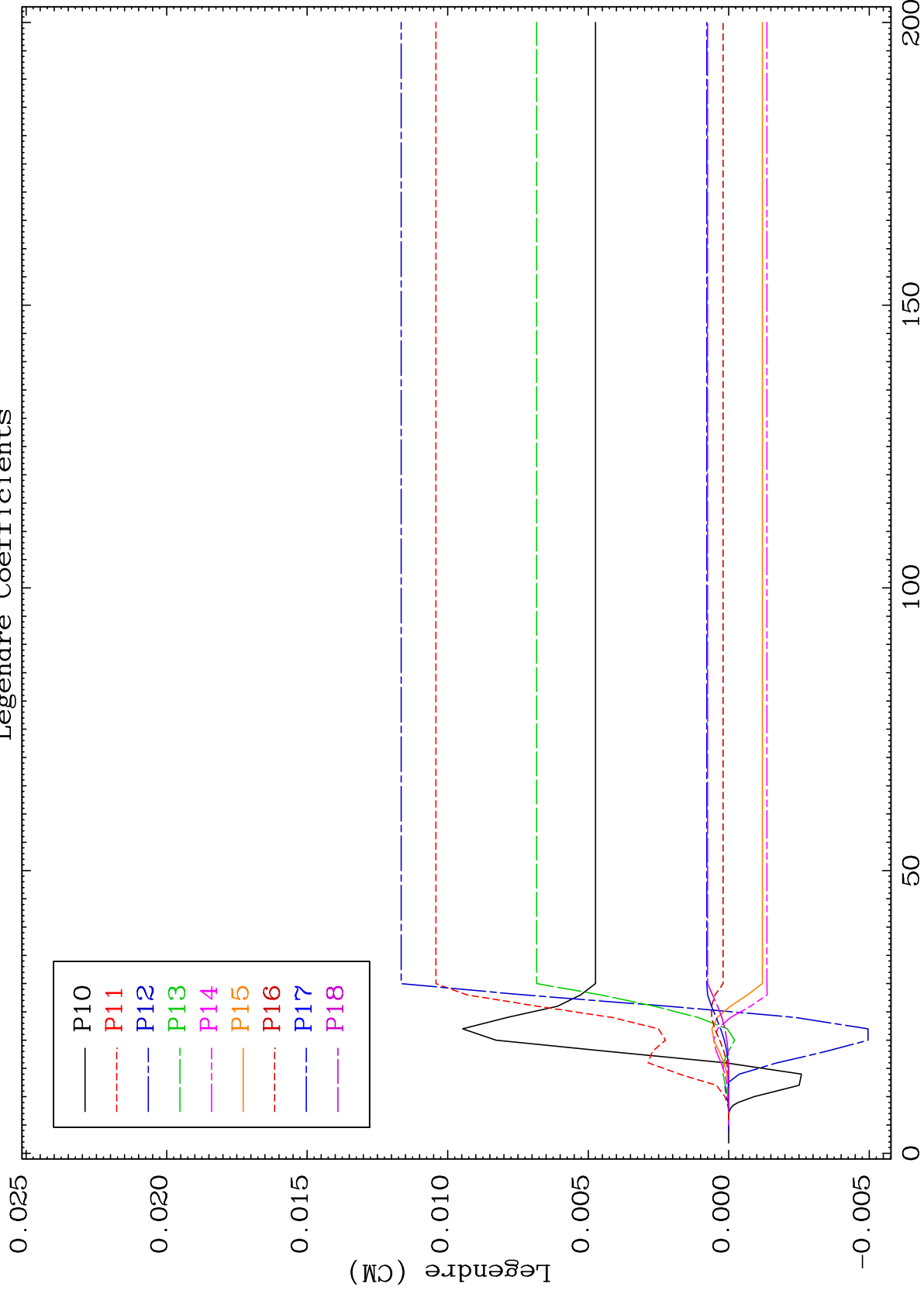
34-Se-83



34-Se-83

Incident Energy (MeV)

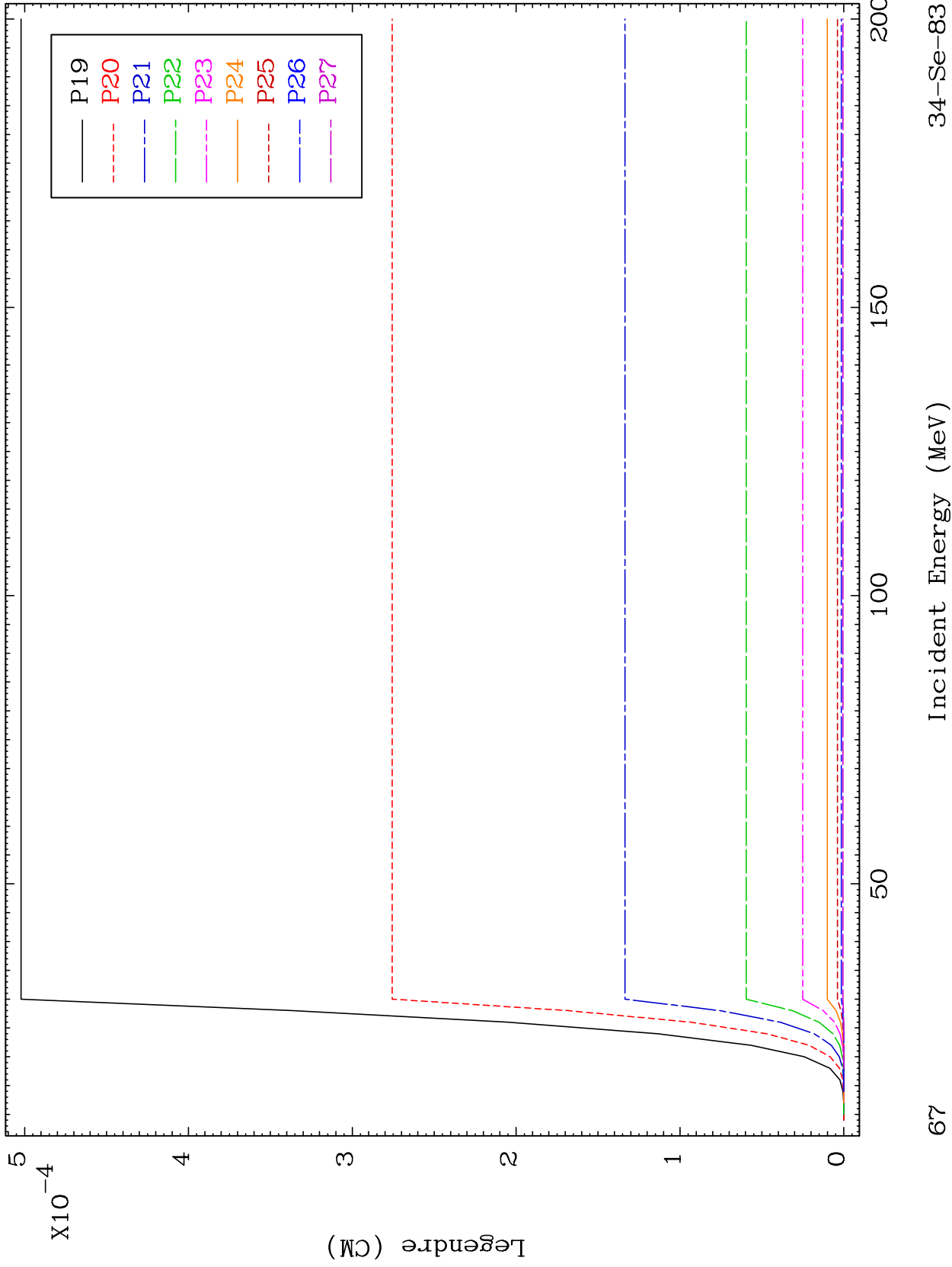
65



MAT 3452

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

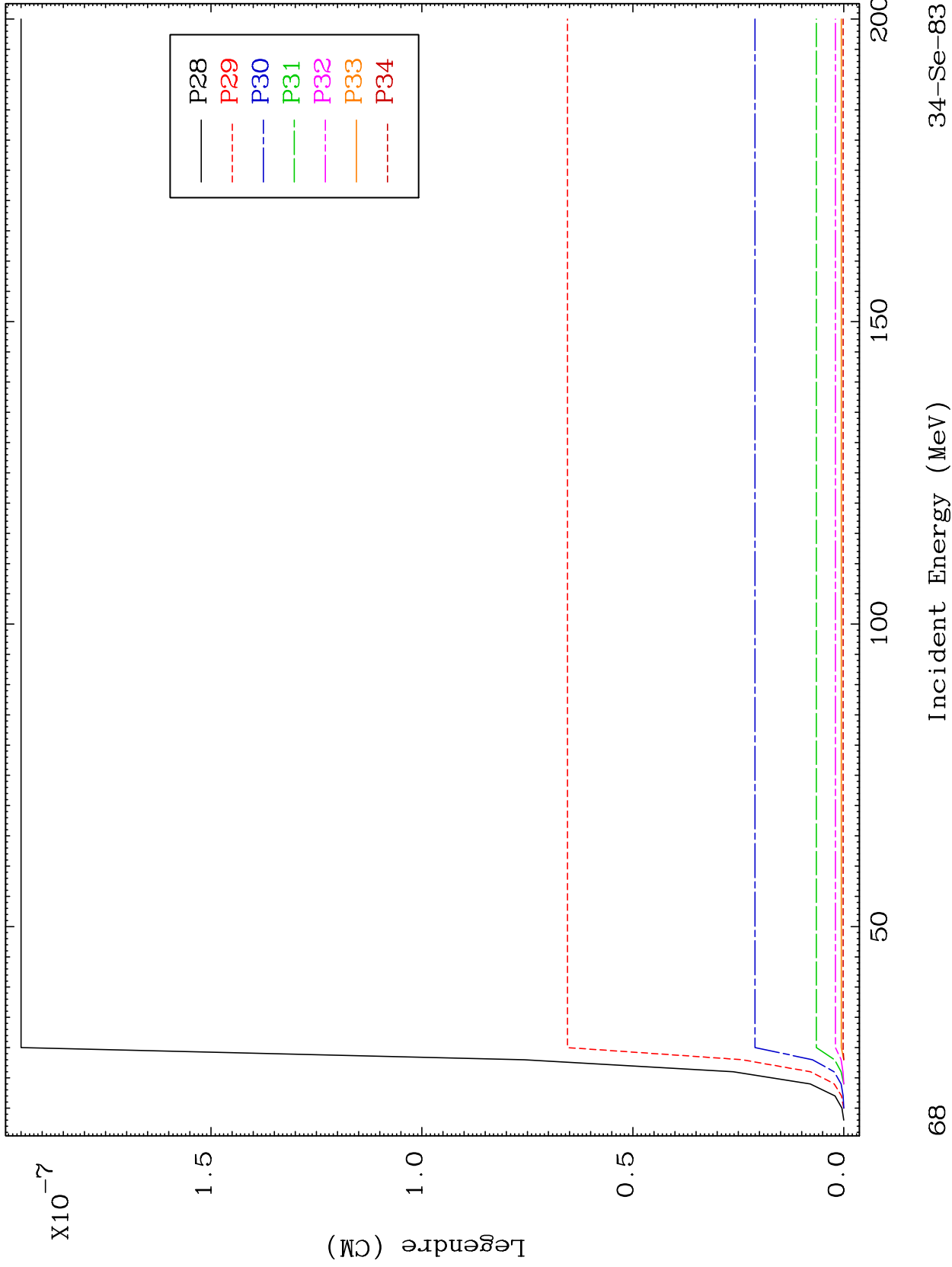
34-Se-83



MAT 3452

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

34-Se-83



68

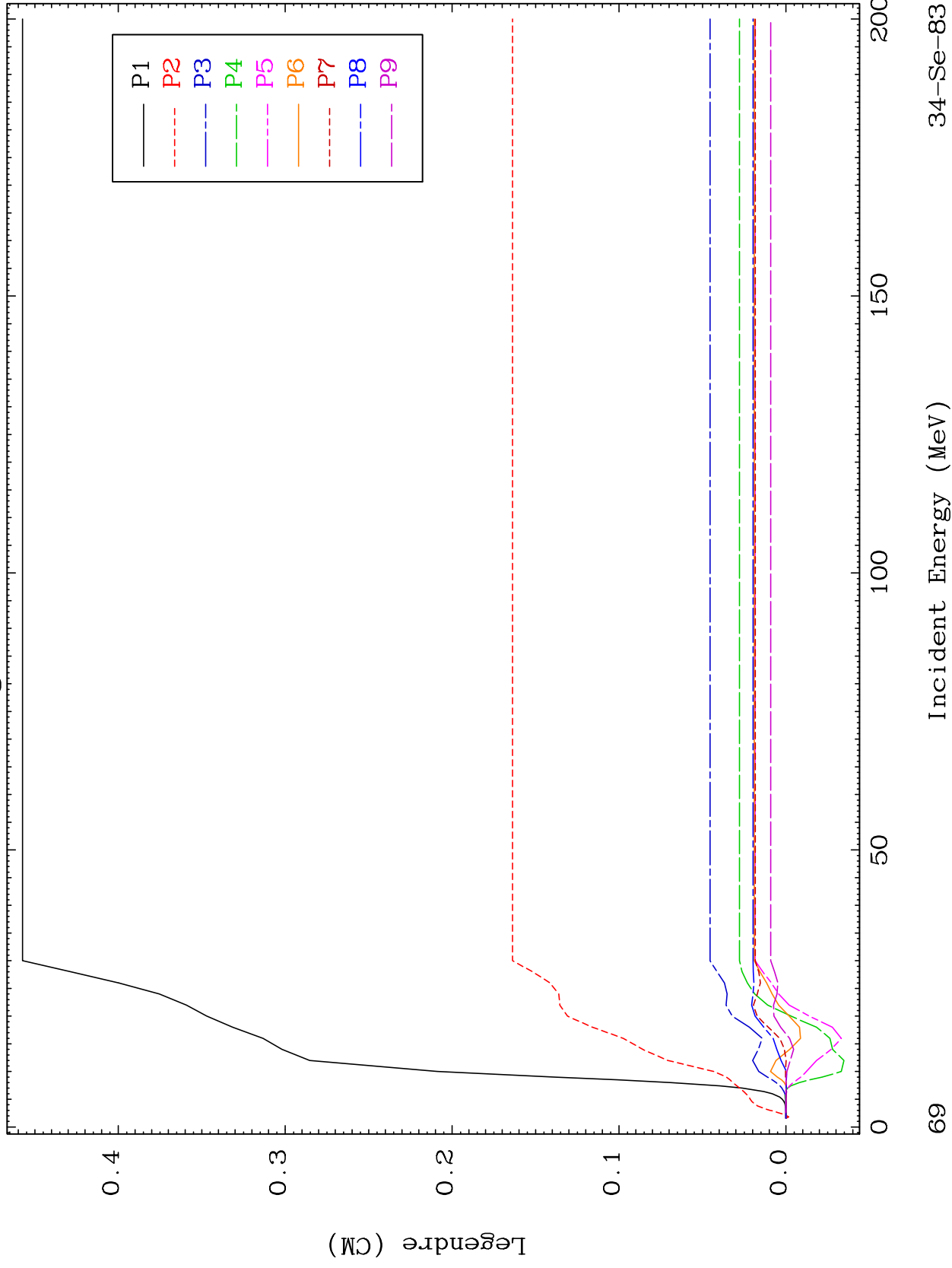
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



34-Se-83

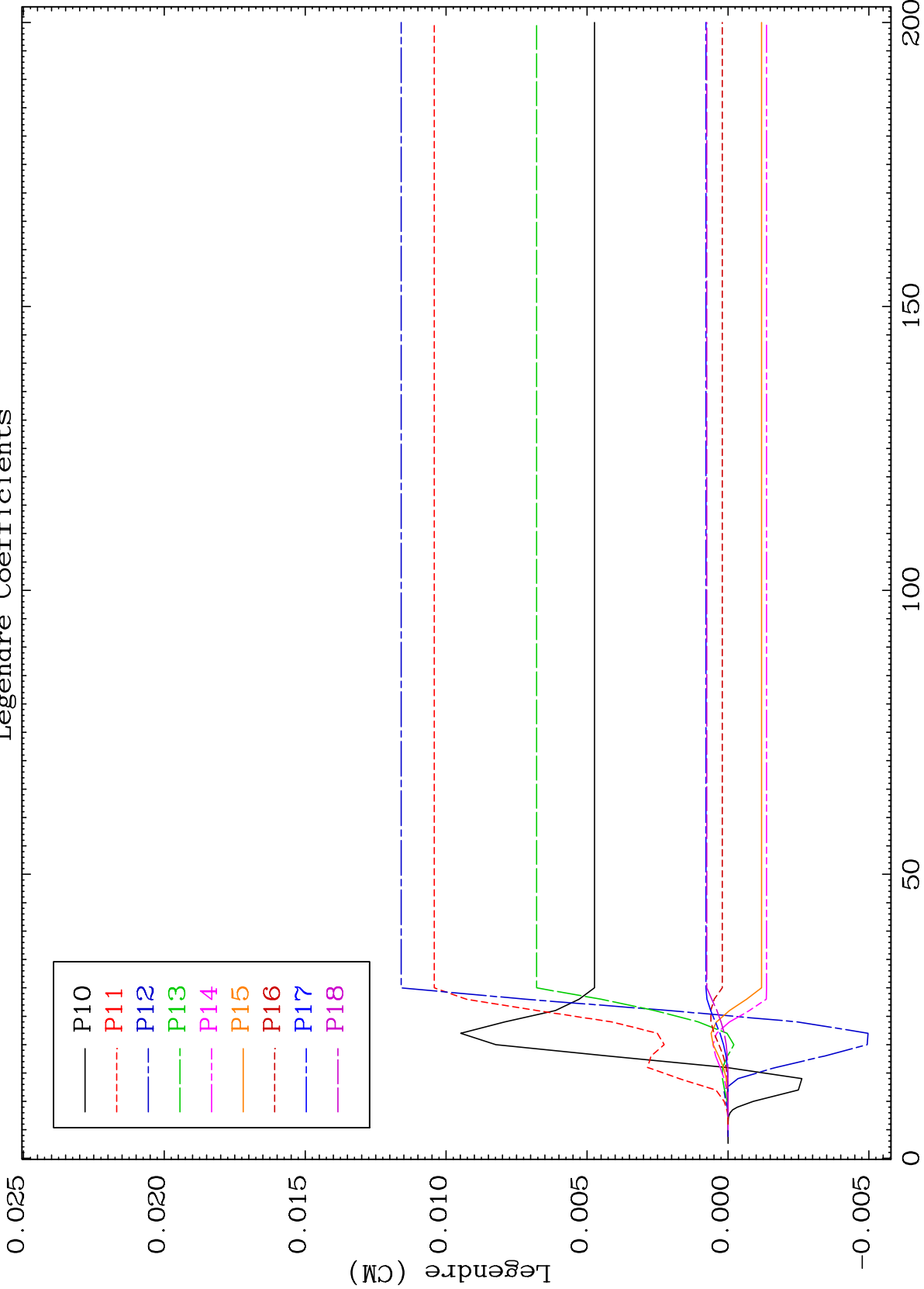
Incident Energy (MeV)

69

MAT 3452

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

34-Se-83



70

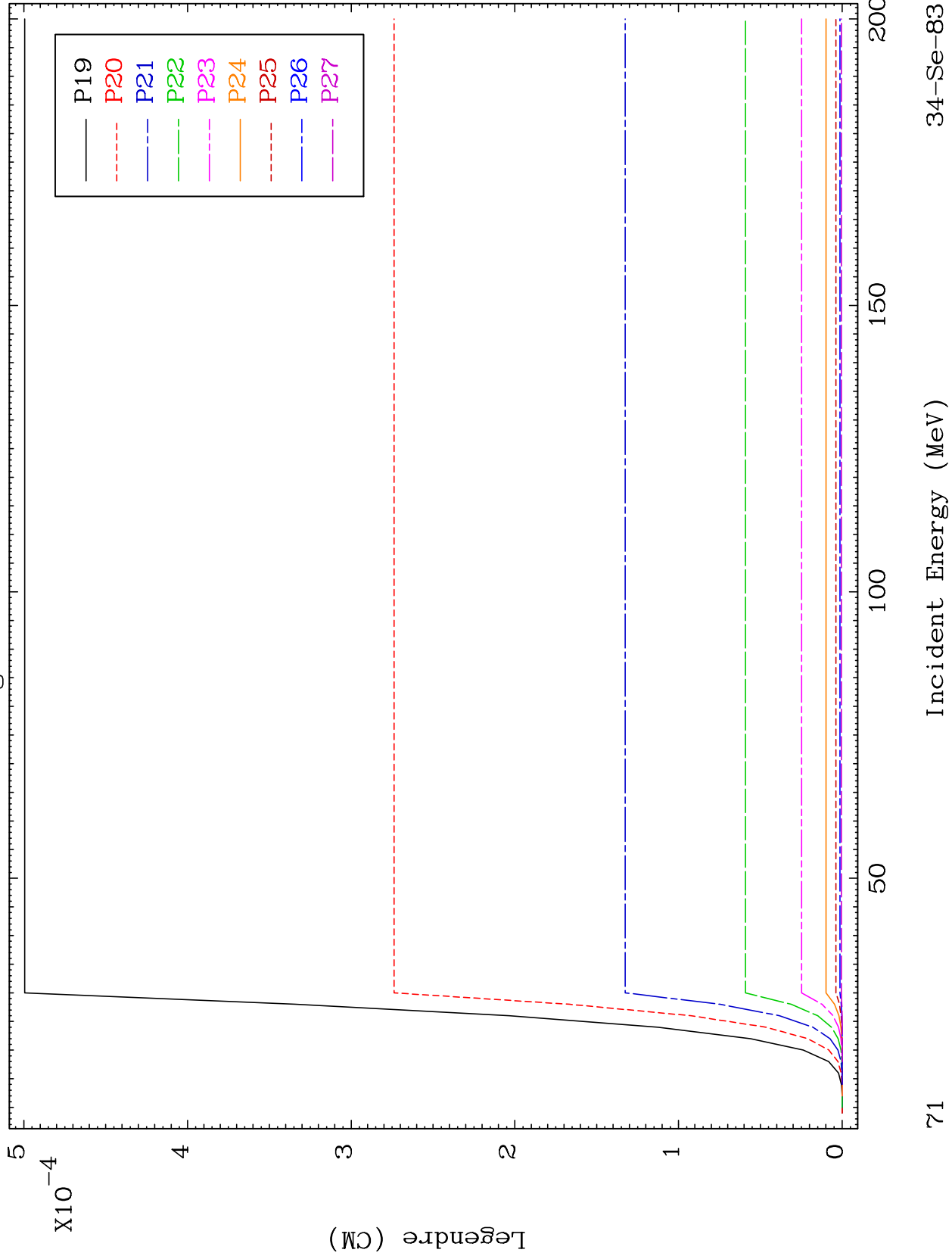
Incident Energy (MeV)

34-Se-83

MAT 3452

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

34-Se-83



71

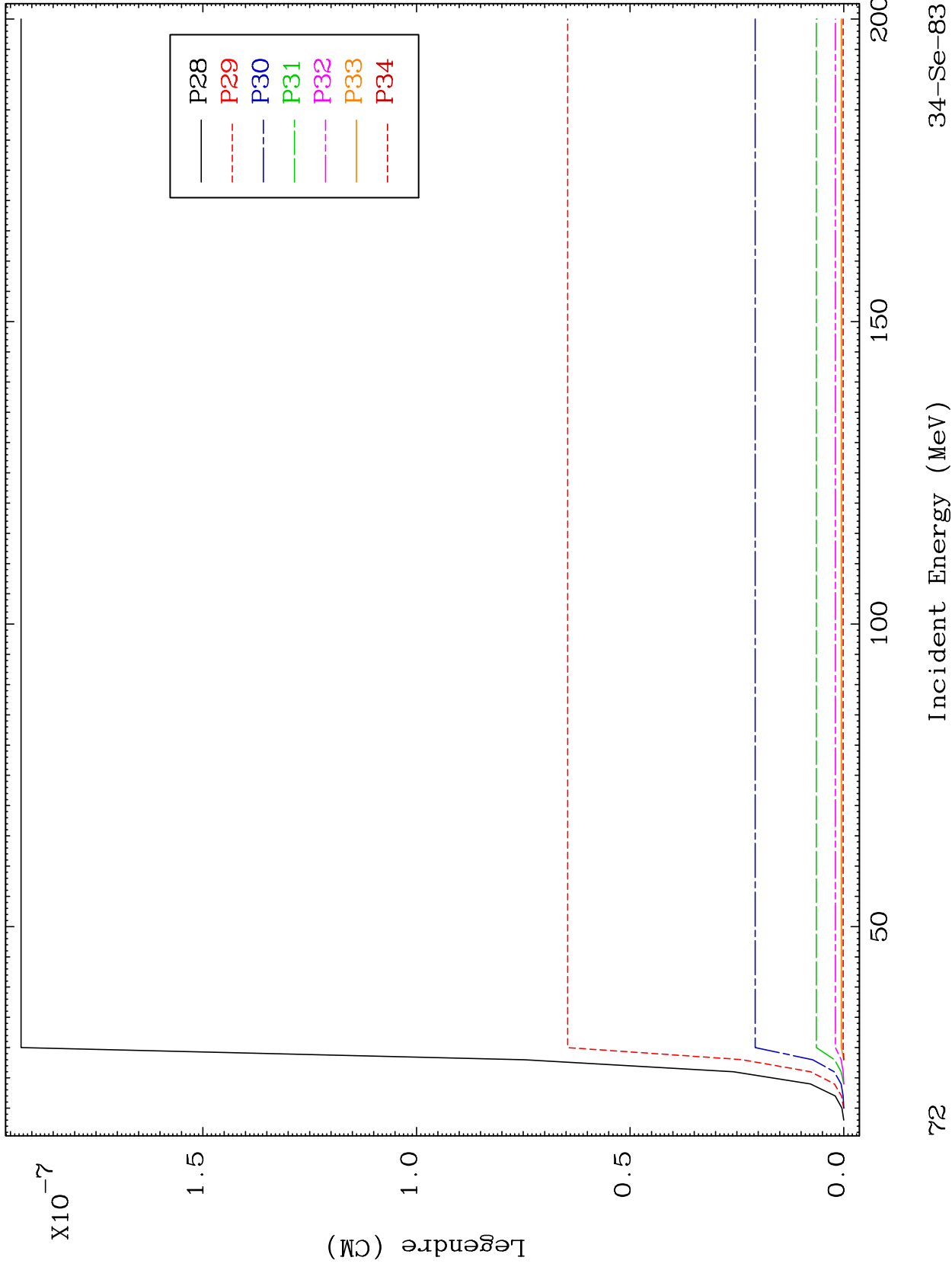
Incident Energy (MeV)

34-Se-83

MAT 3452

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

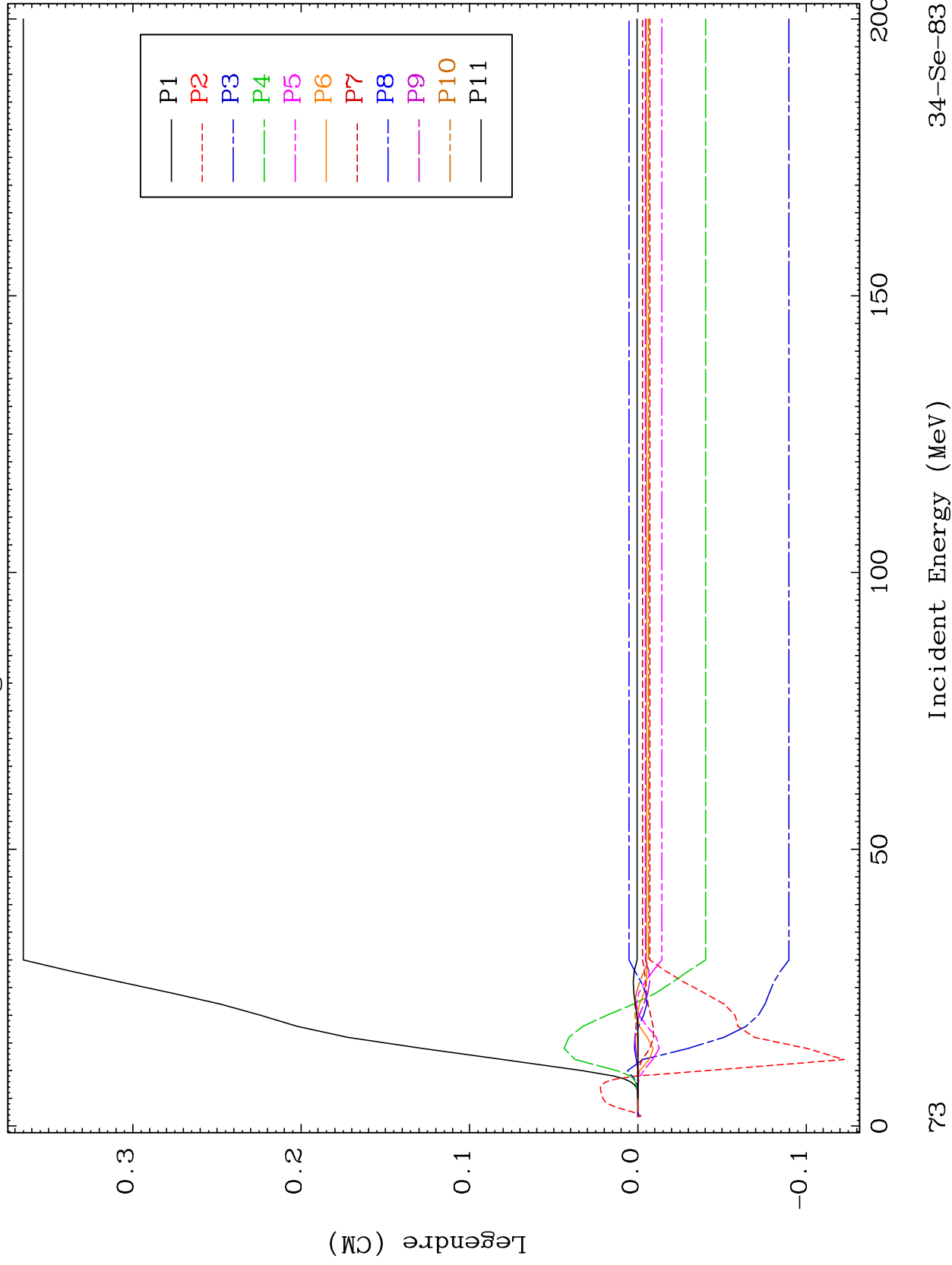
34-Se-83



MAT 3452

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

34-Se-83



34-Se-83

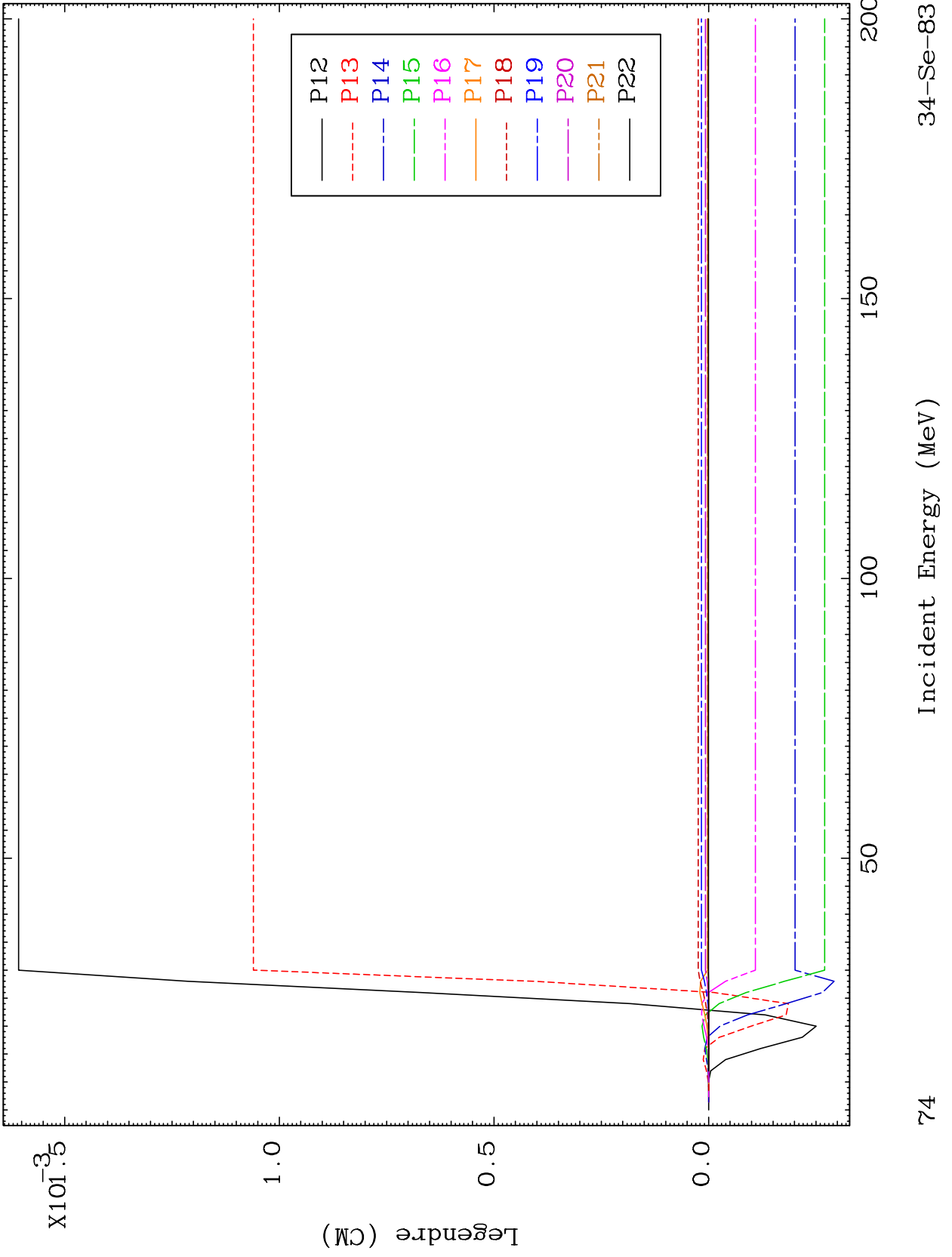
Incident Energy (MeV)

73

MAT 3452

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

34-Se-83



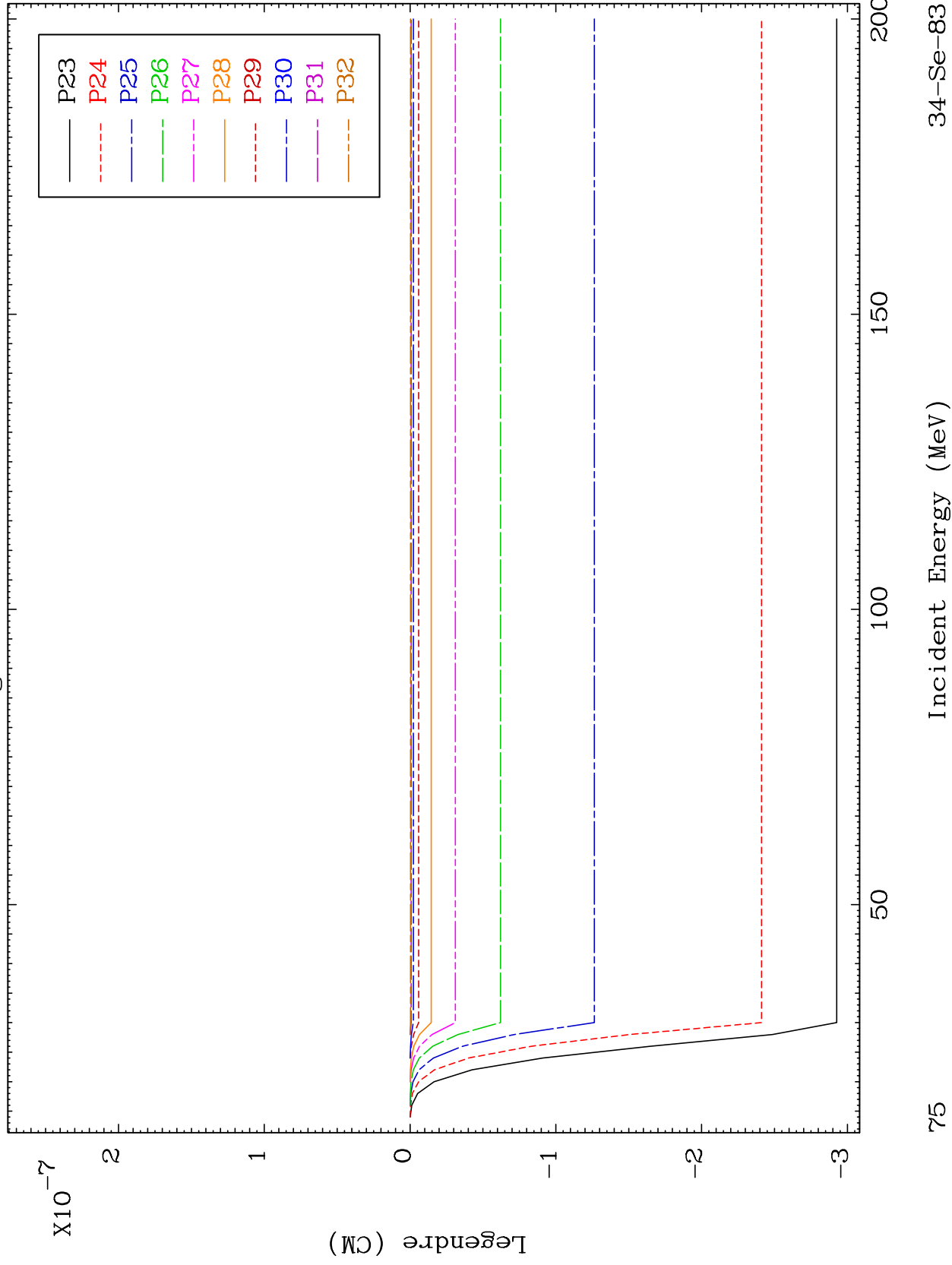
74

34-Se-83

MAT 3452

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

<sup>34</sup>Se-83



75

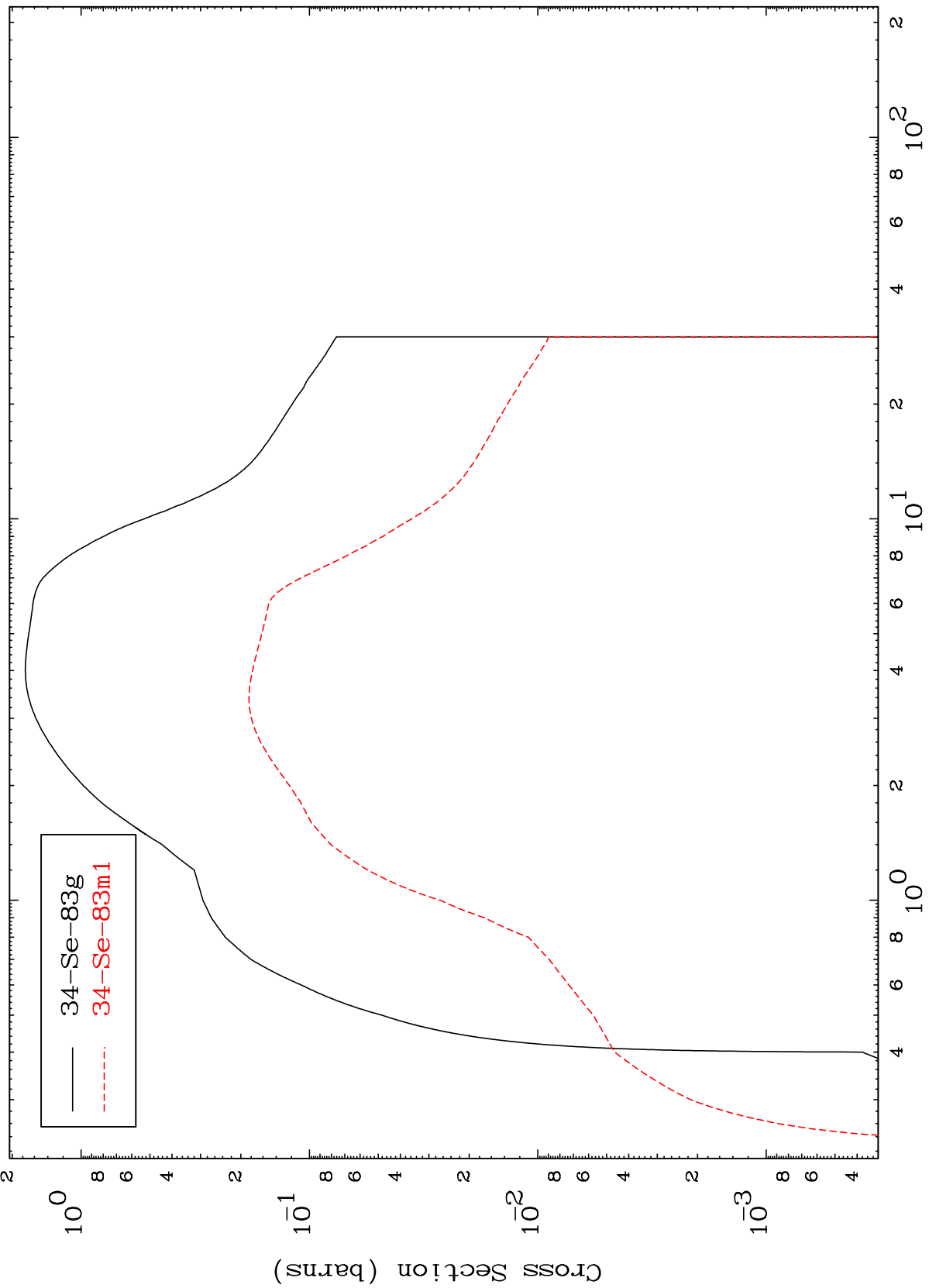
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

<sup>34</sup>Se-83

### Radionuclide Production Cross Section



Legend:  
— 34-Se-83g  
- - - 34-Se-83m1

76

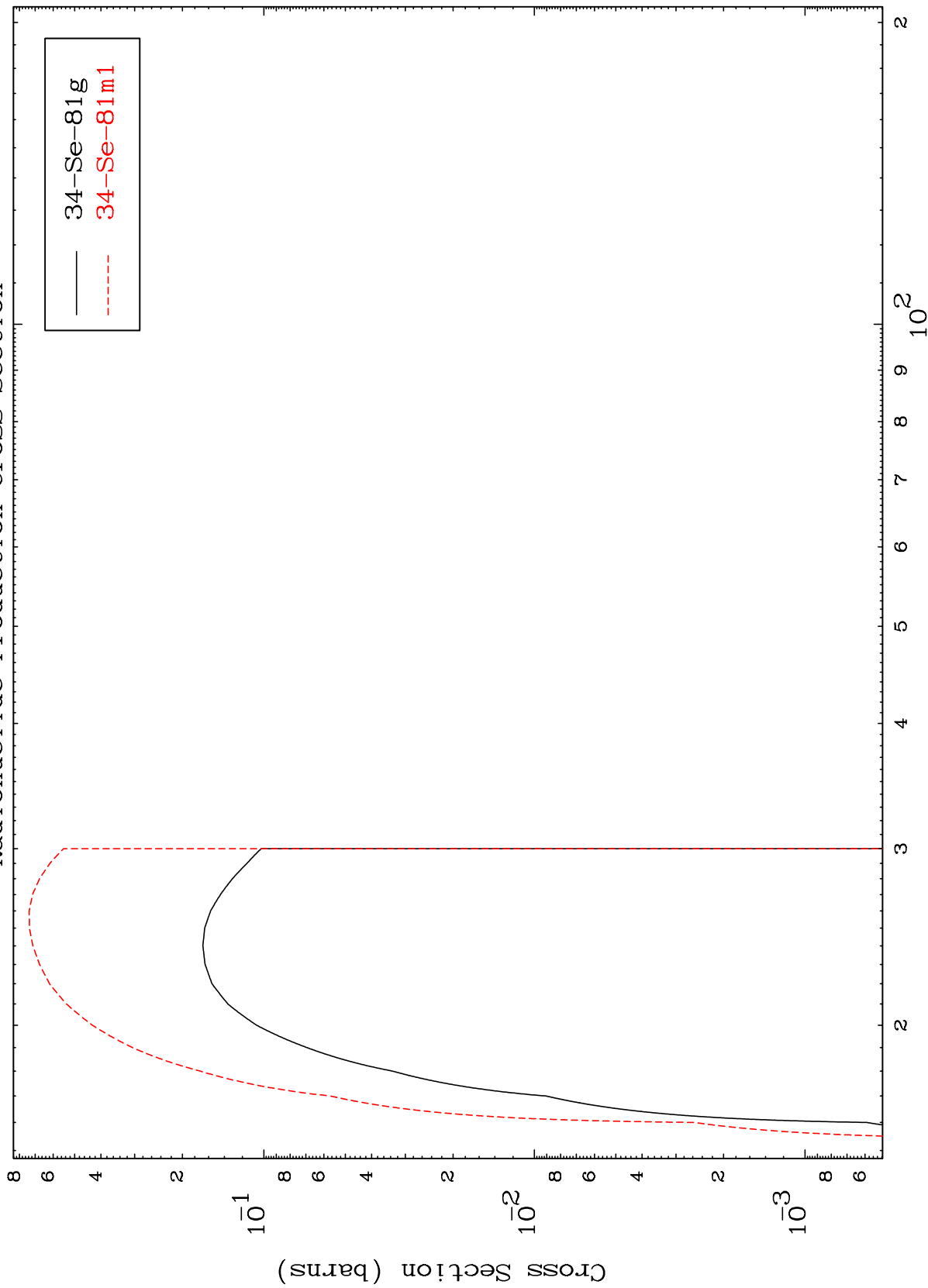
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

<sup>34</sup>Se-83

(n,3n)  
Radionuclide Production Cross Section



77

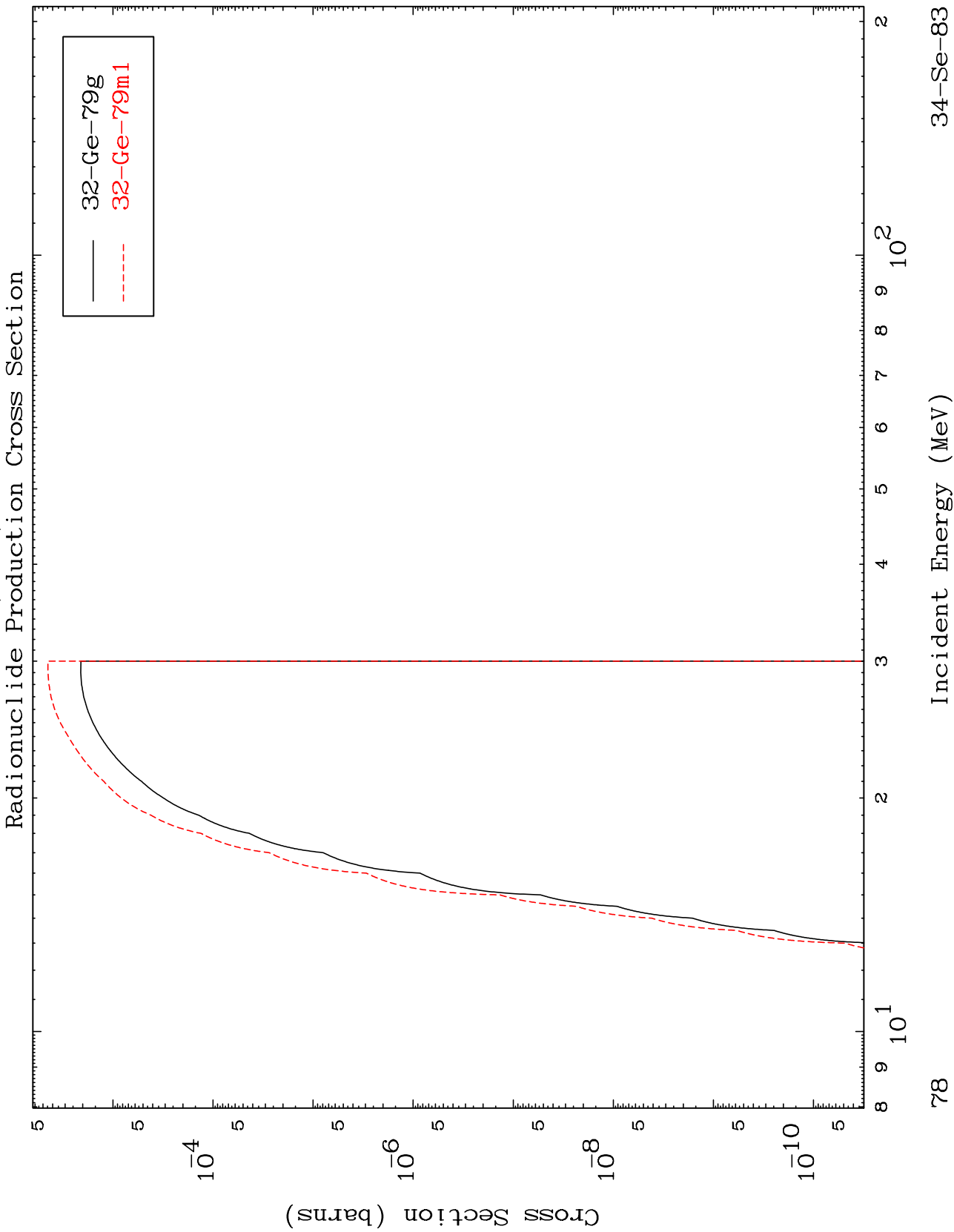
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

$(n, n') \alpha$

34-<sup>Se</sup>-83



78

Incident Energy (MeV)

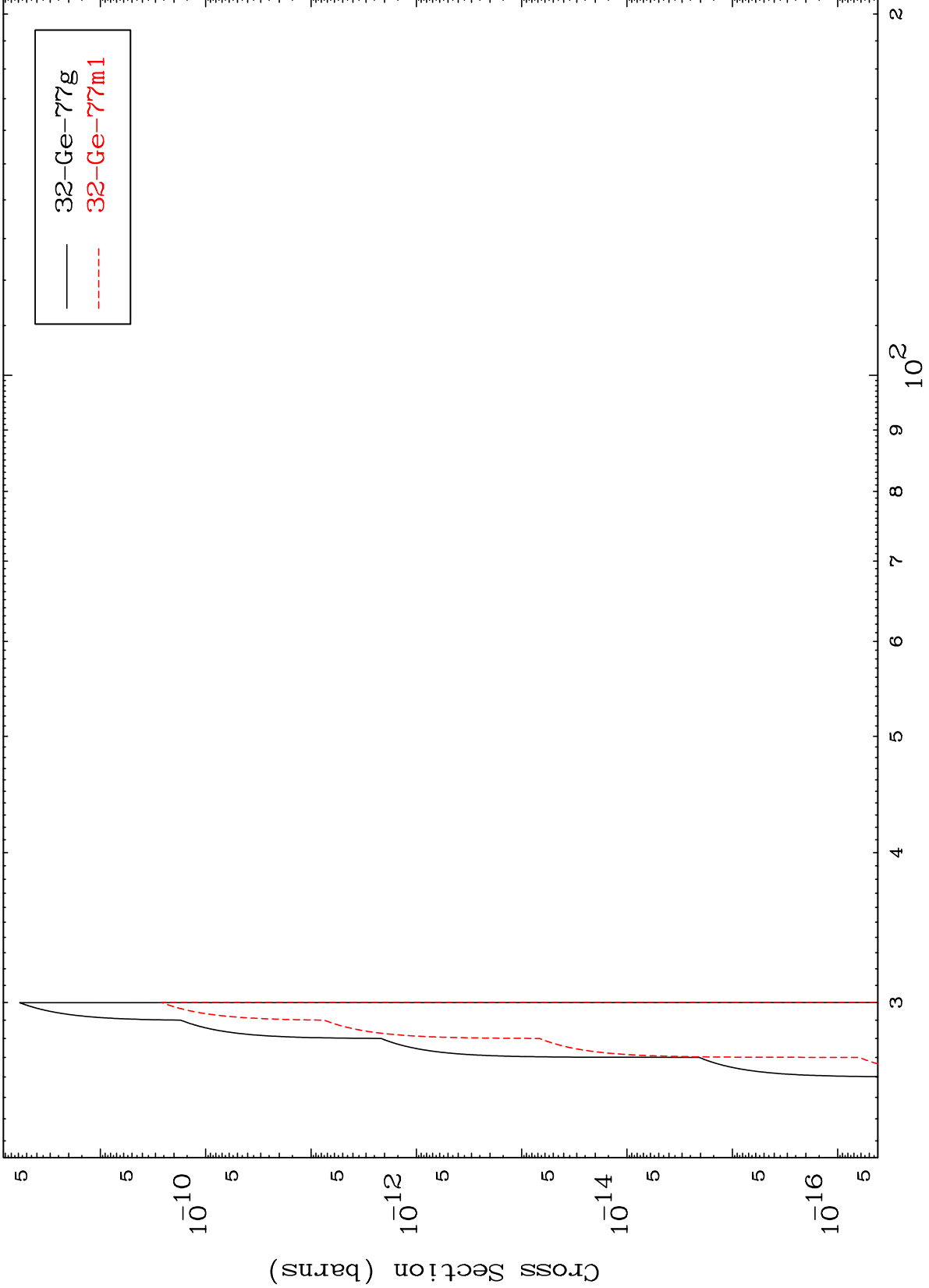
34-<sup>Se</sup>-83

MAT 3452

(n,3n)  $\alpha$

34-Se-83

Radionuclide Production Cross Section



32-Ge-77g  
32-Ge-77m1

79

Incident Energy (MeV)

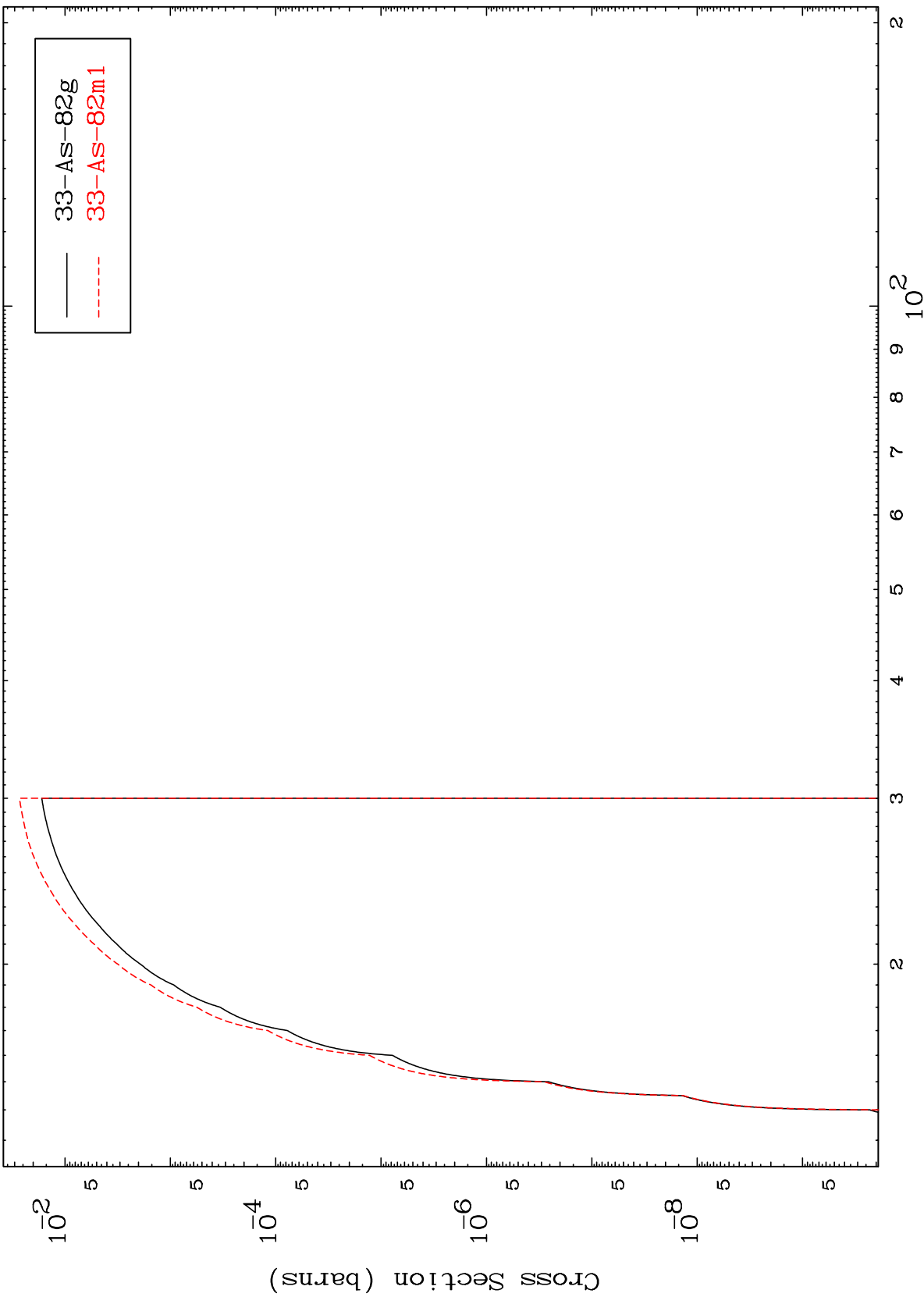
34-Se-83

MAT 3452

(n,n') p

34-Se-83

Radionuclide Production Cross Section



80

Incident Energy (MeV)

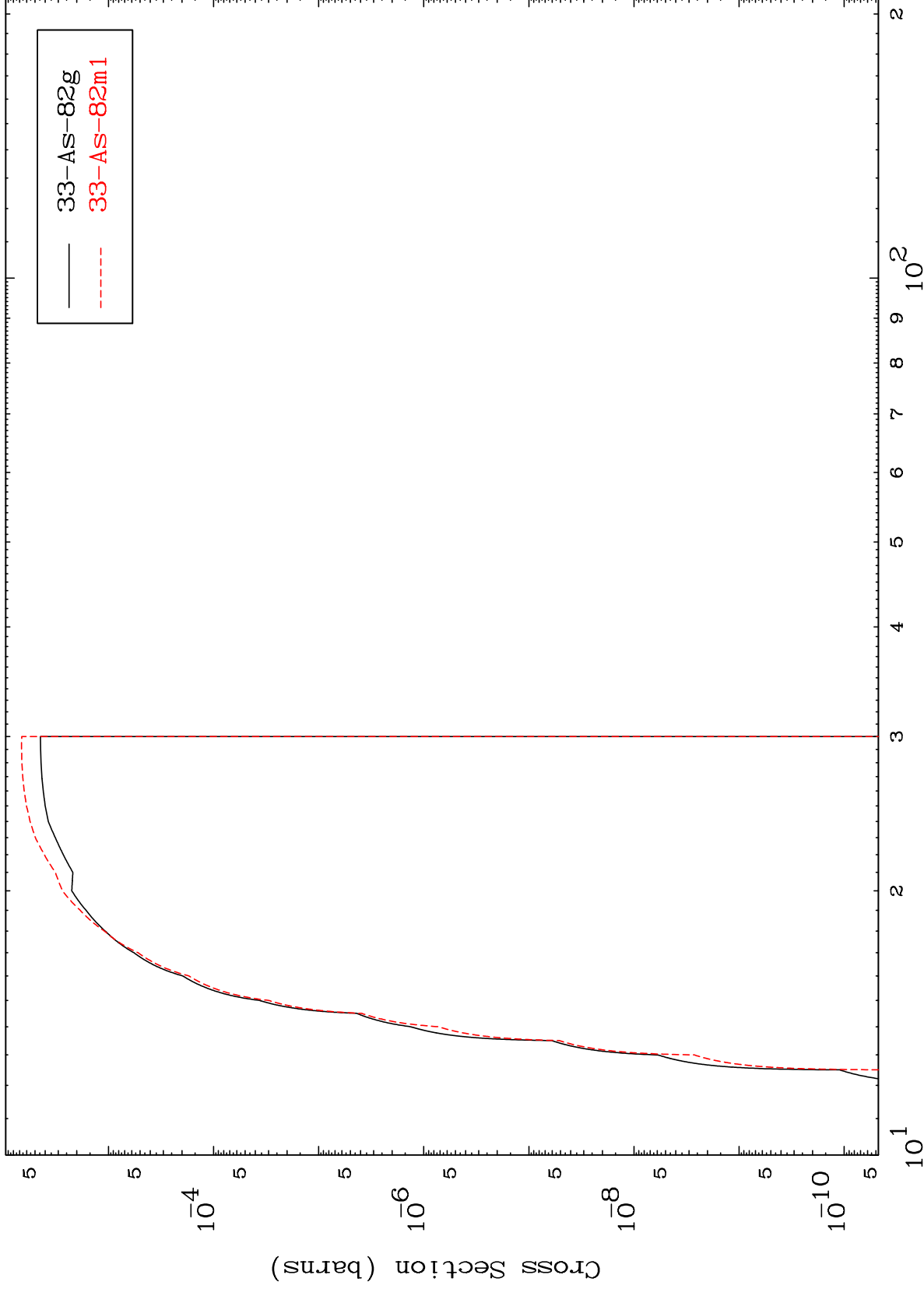
34-Se-83

MAT 3452

(n,d)

<sup>34</sup>Se-83

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>34</sup>Se-83

81

(n,He-3)  
Radionuclide Production Cross Section

