

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

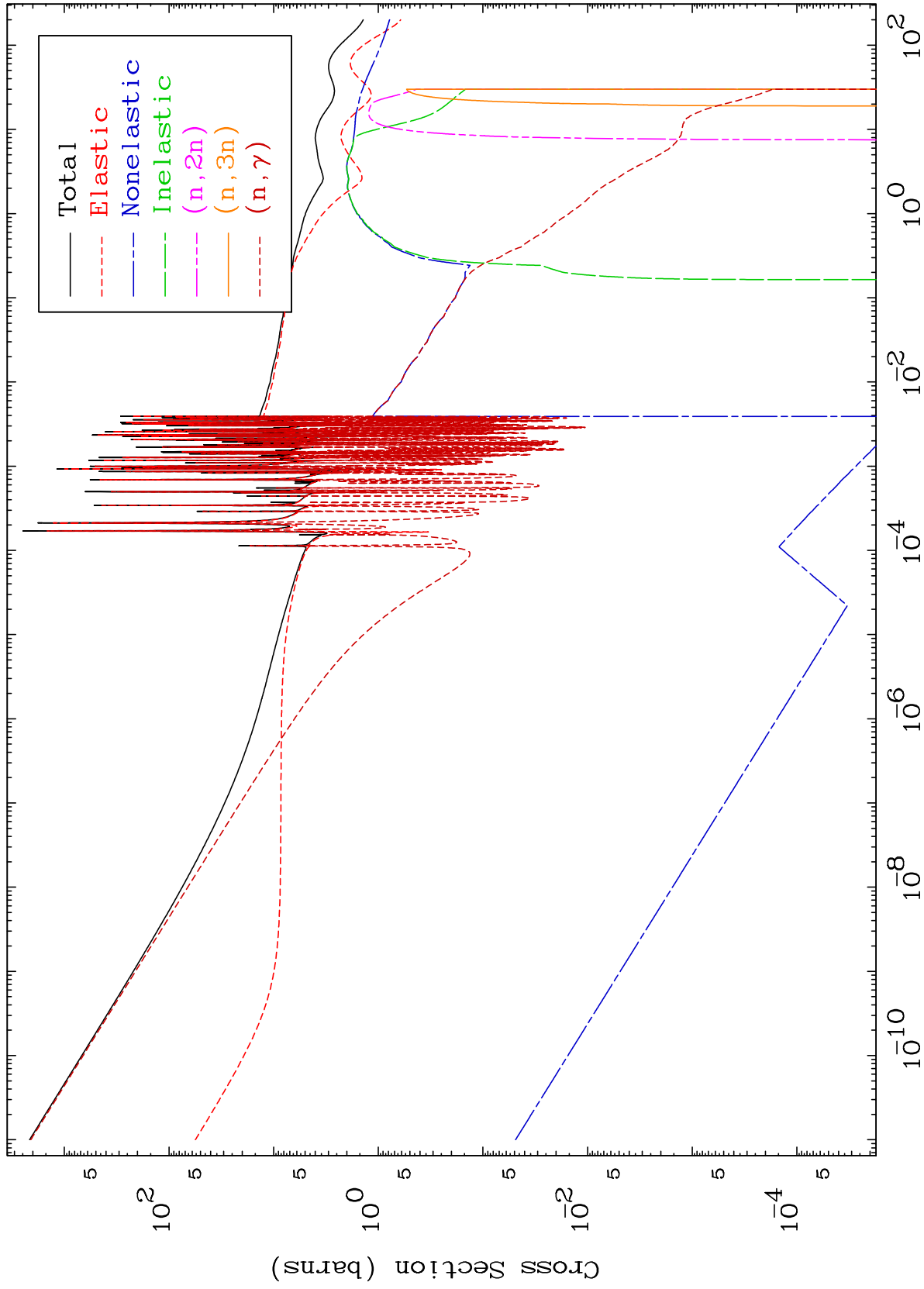
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3434

Neutron Major  
293 Kelvin Cross Sections

34-Se-77

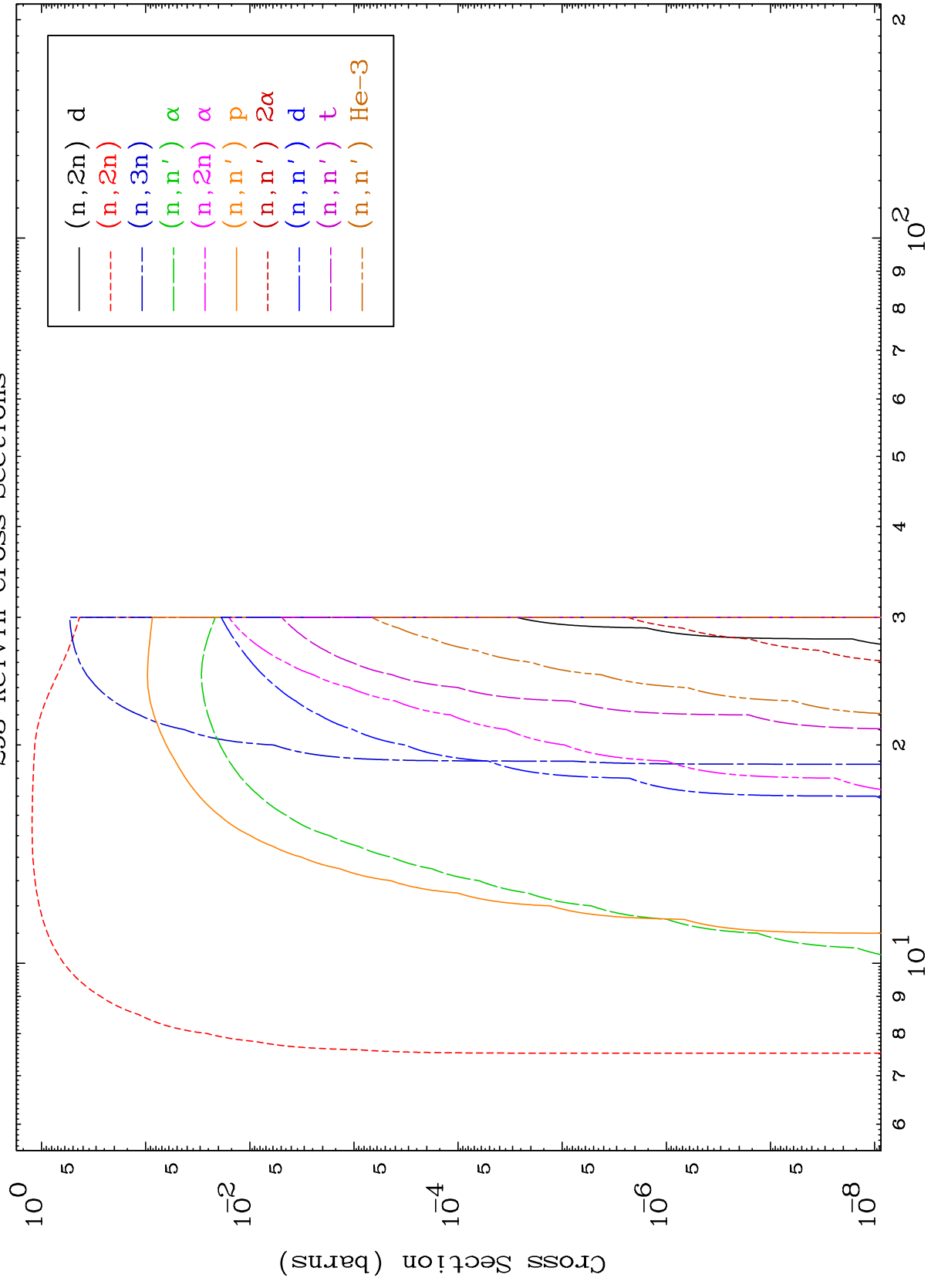


34-Se-77

MAT 3434

### Neutron Absorption 293 Kelvin Cross Sections

34-Se-77



2

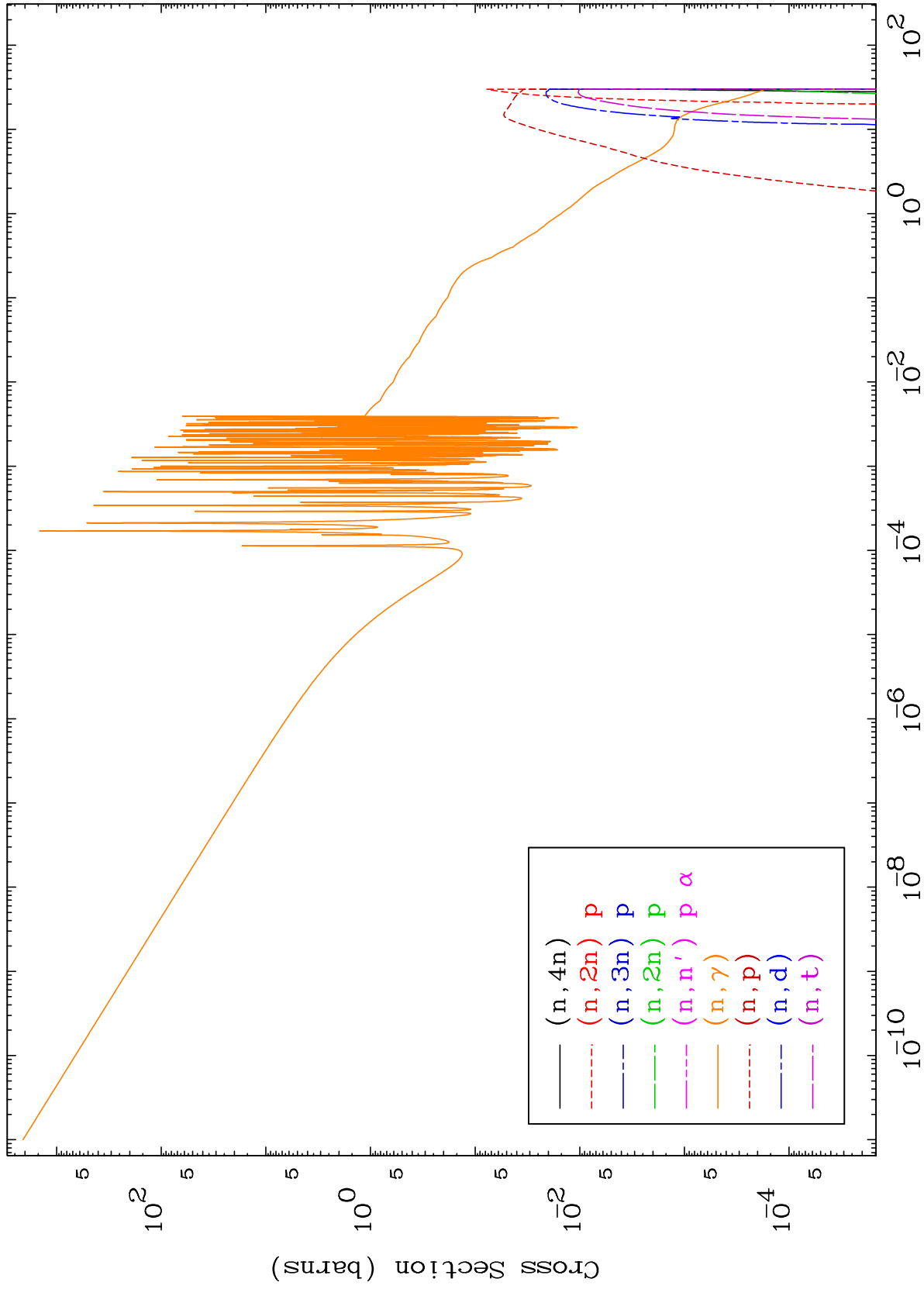
Incident Energy (MeV)

34-Se-77

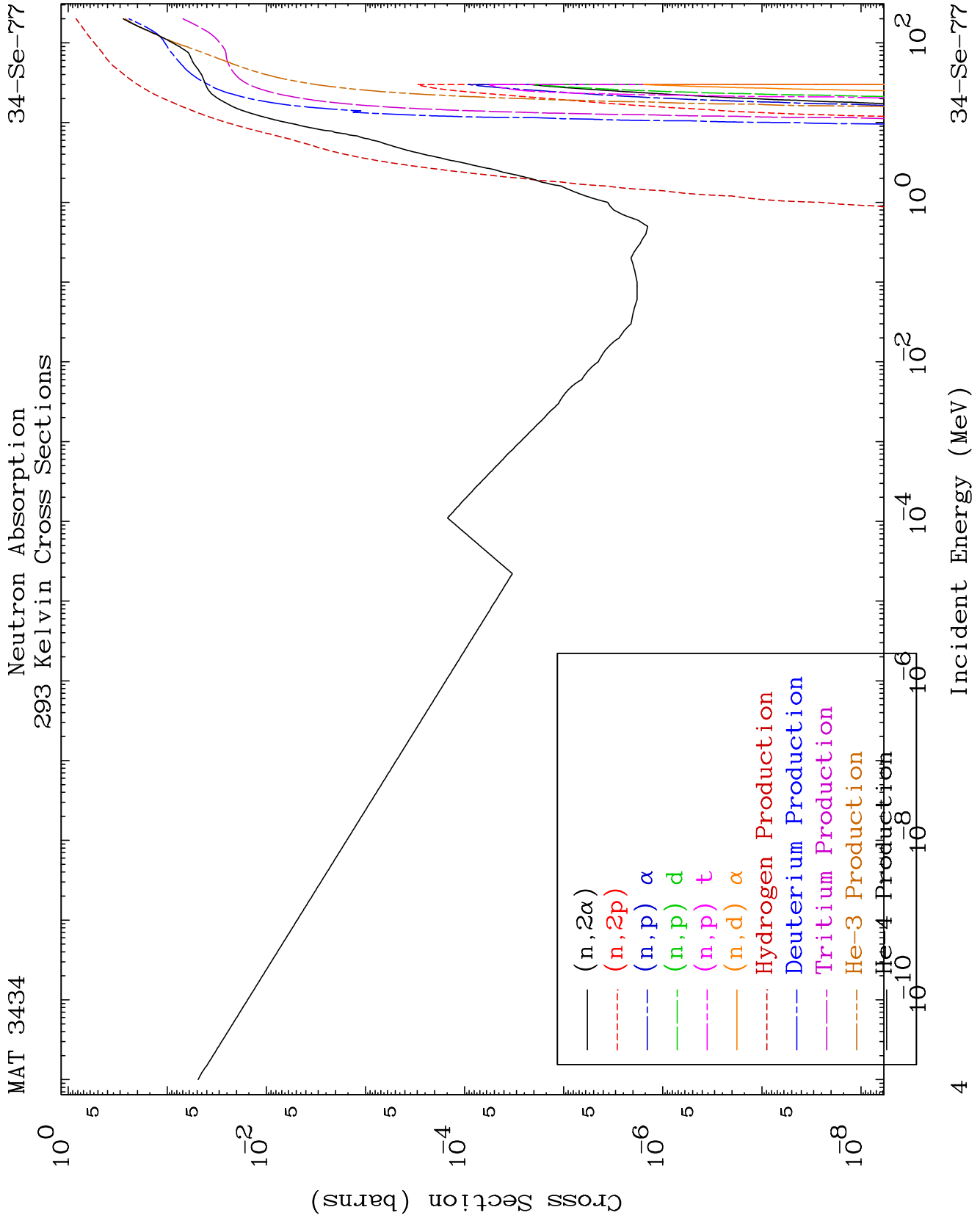
MAT 3434

Neutron Absorption  
293 Kelvin Cross Sections

34-Se-77



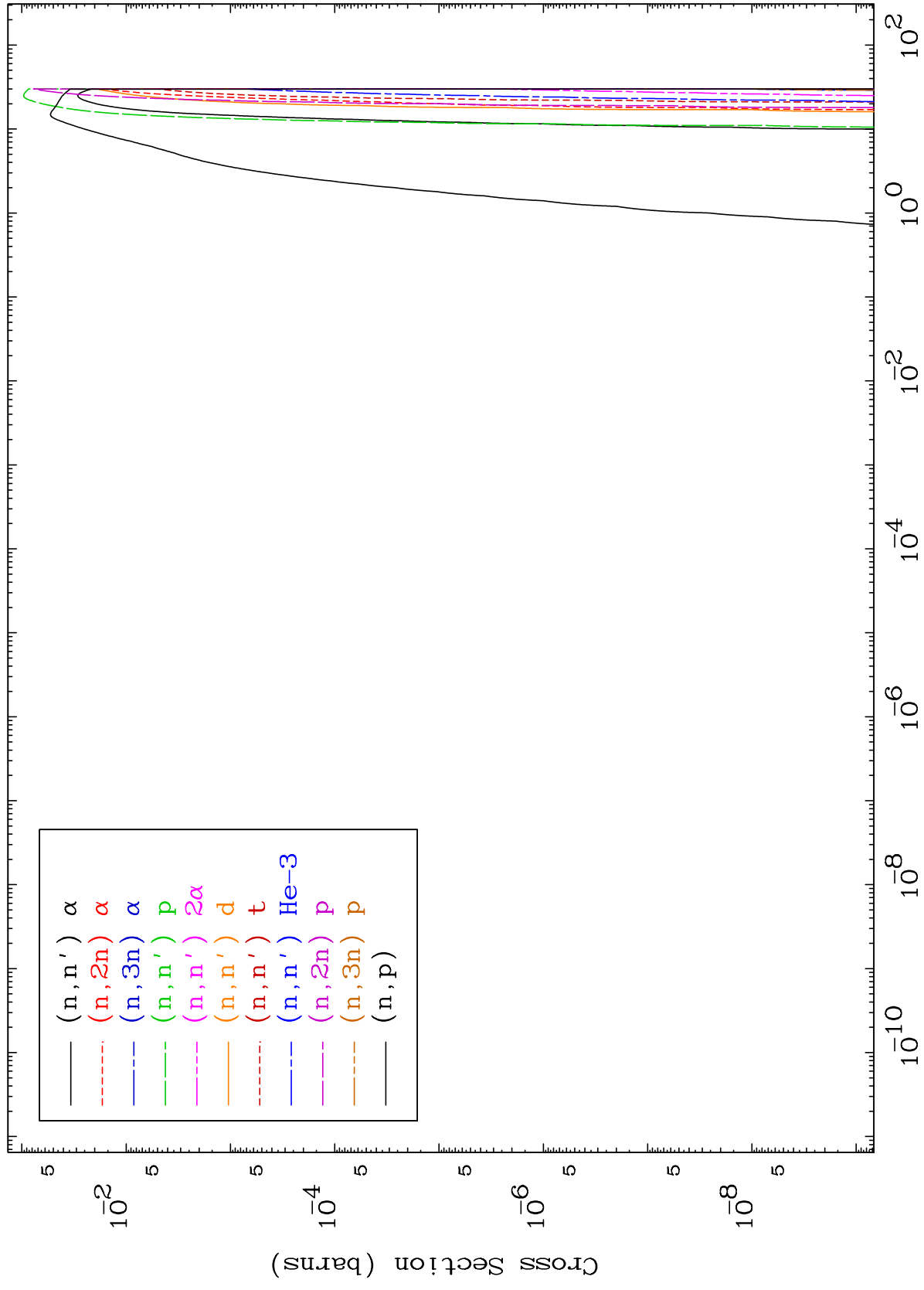
34-Se-77



MAT 3434

Charged Particle  
293 Kelvin Cross Sections

34-Se-77



5

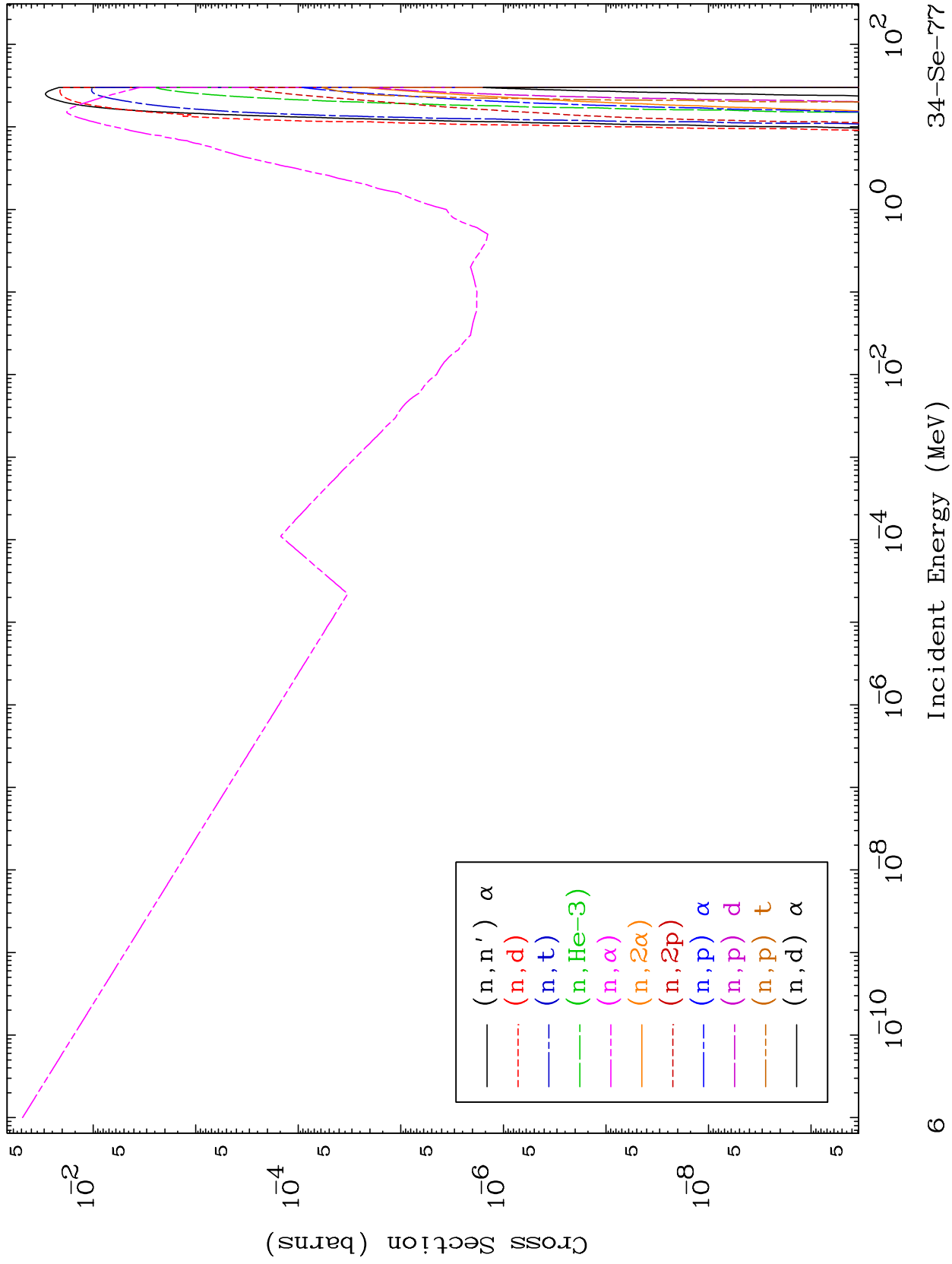
Incident Energy (MeV)

34-Se-77

MAT 3434

293 Charged Particle  
Kelvin Cross Sections

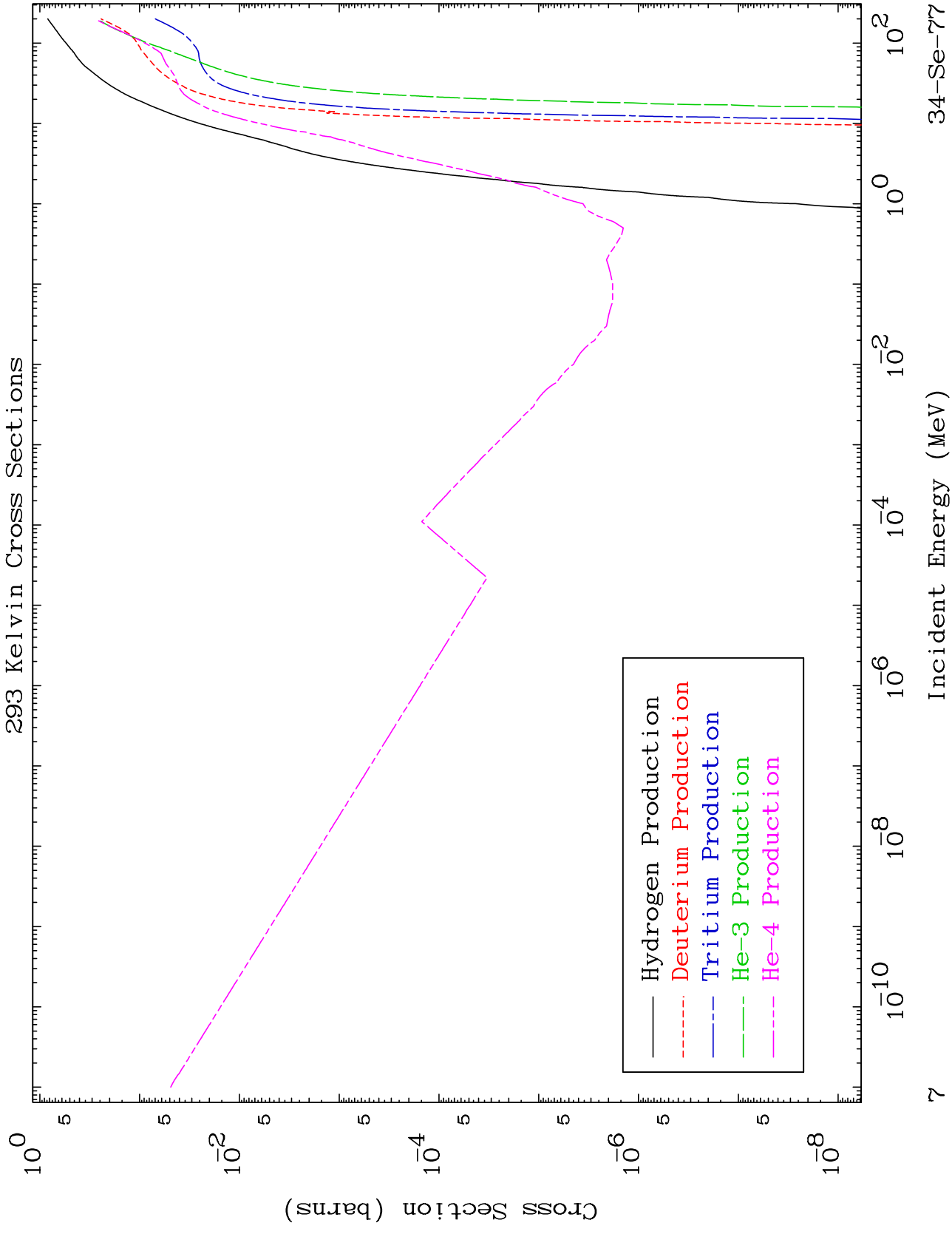
34-Se-77



MAT 3434

Particle Production  
293 Kelvin Cross Sections

34-Se-77

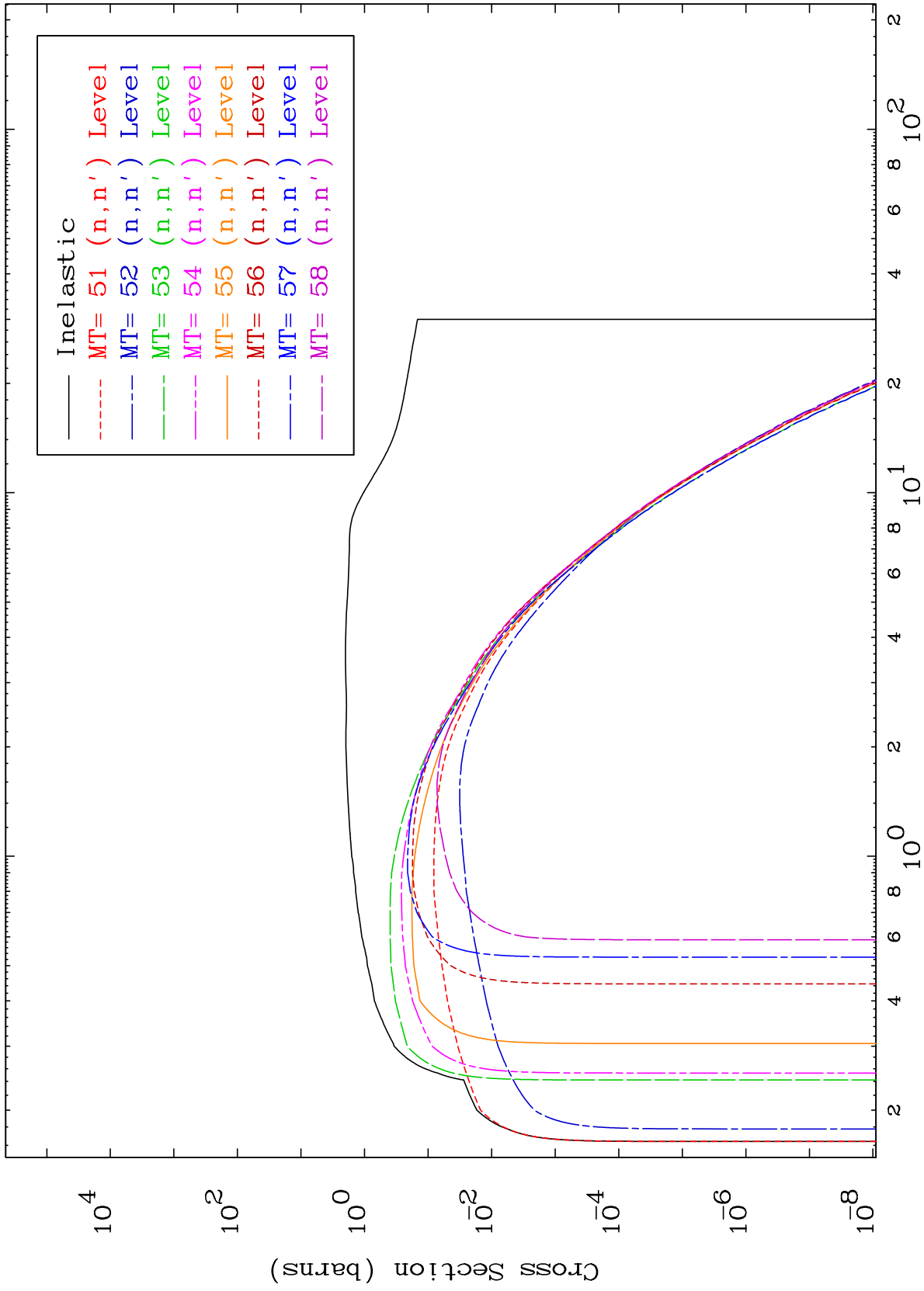




MAT 3434

(n,n') Levels  
293 Kelvin Cross Sections

34-Se-77



8

Incident Energy (MeV)

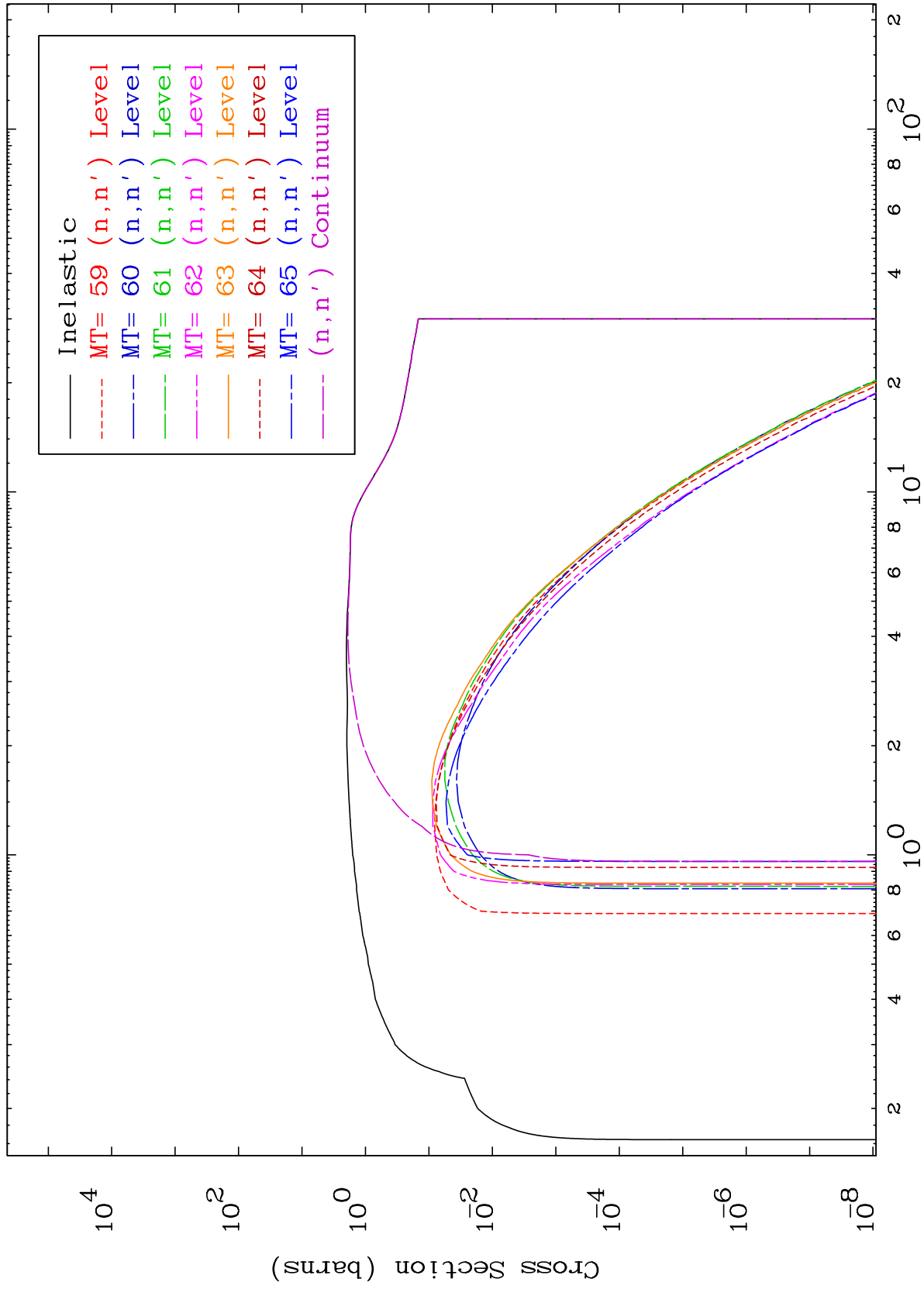
34-Se-77

MAT 3434

(n,n') Levels

293 Kelvin Cross Sections

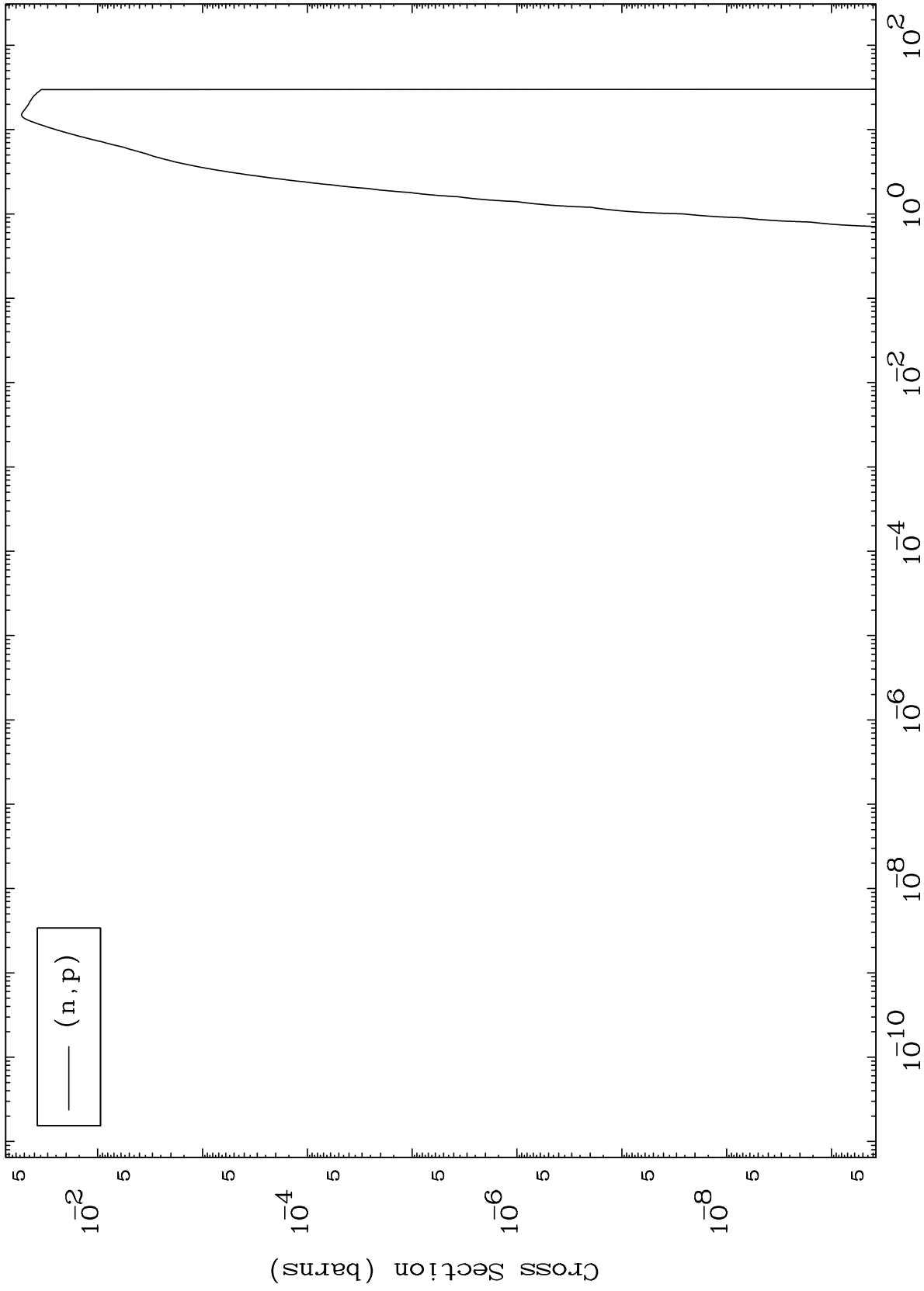
34-Se-77



MAT 3434

(n,p) Levels  
293 Kelvin Cross Sections

34-Se-77



10

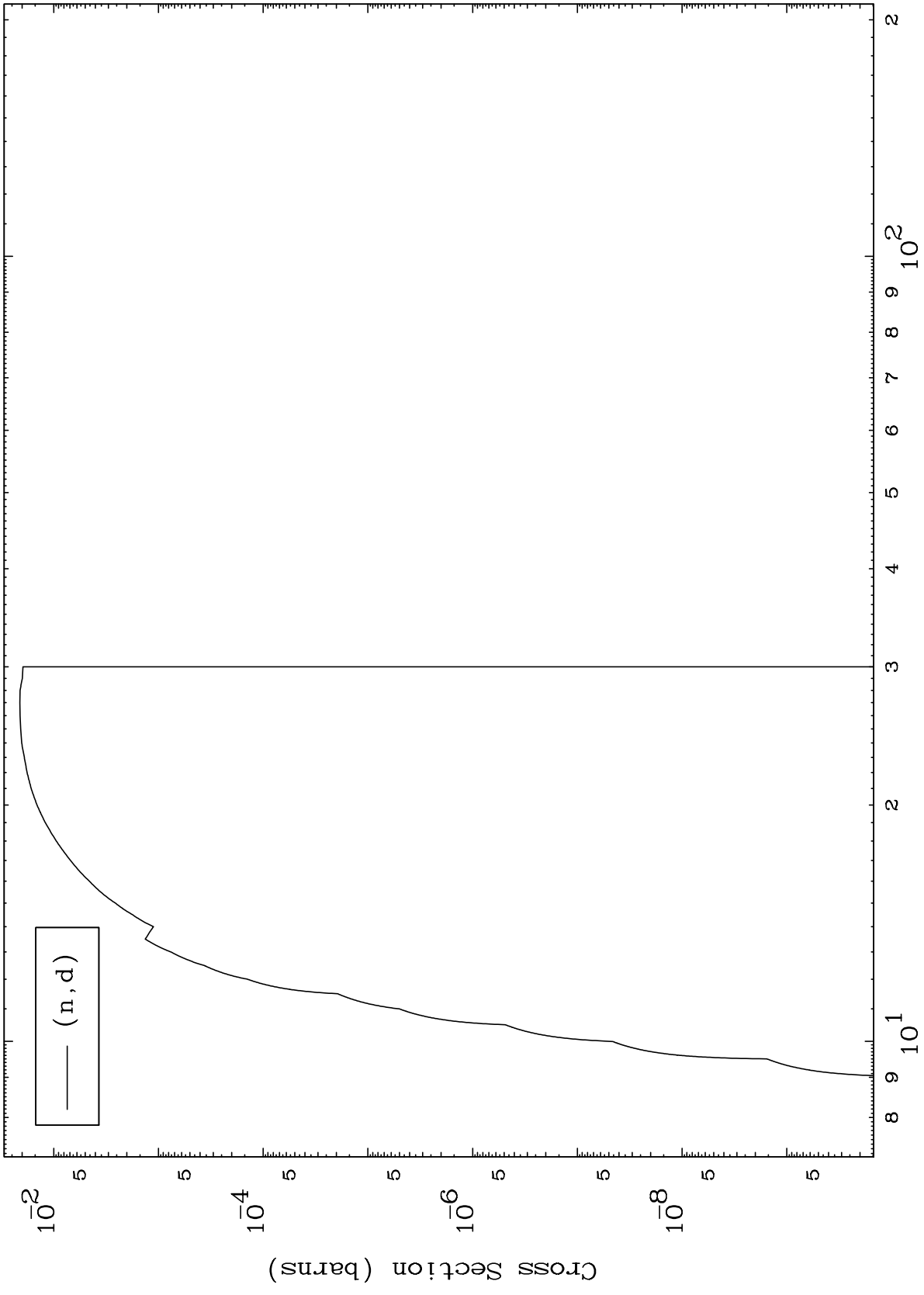
Incident Energy (MeV)

34-Se-77

MAT 3434

(n,d) Levels  
293 Kelvin Cross Sections

34-Se-77



11

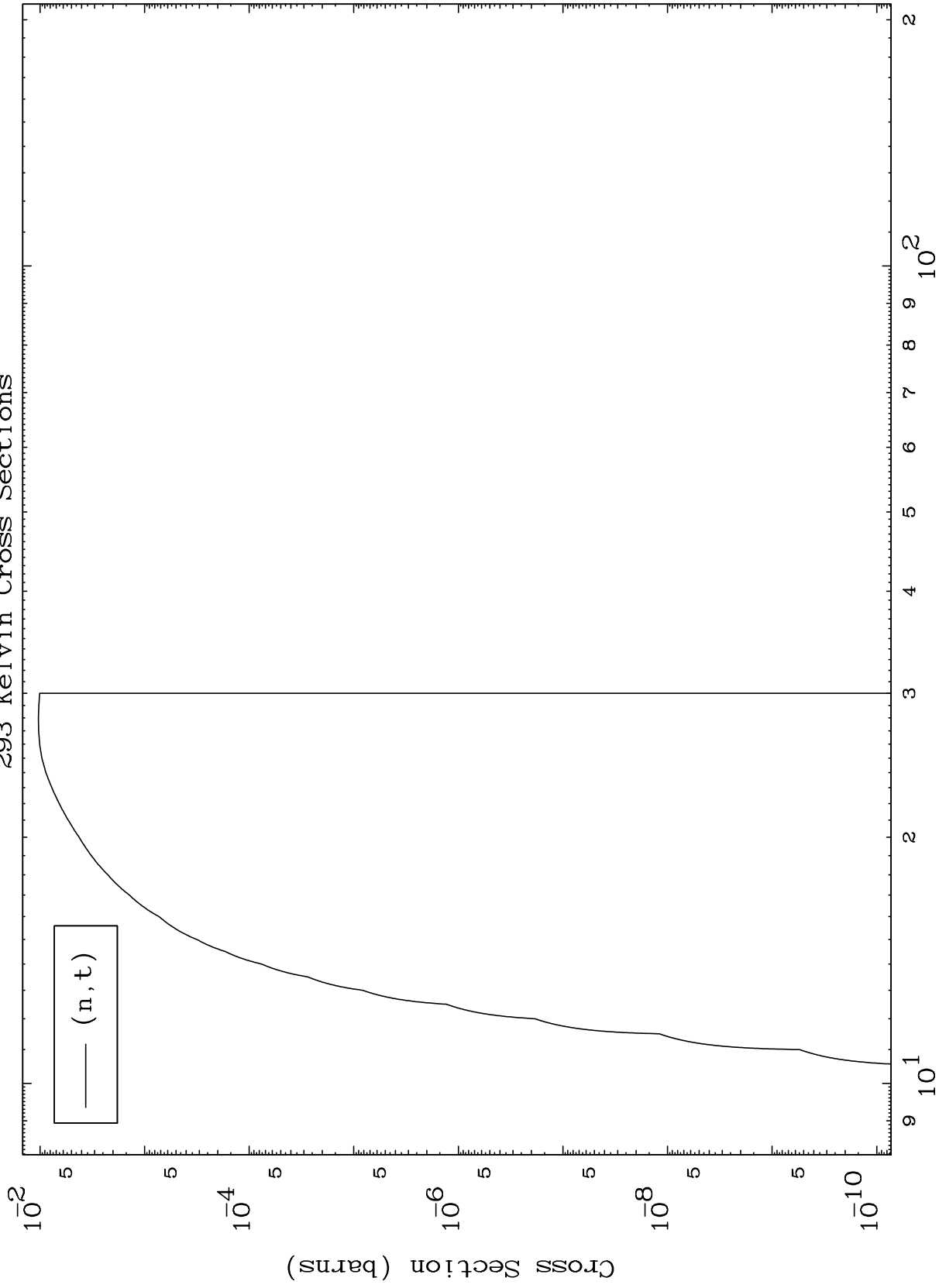
Incident Energy (MeV)

34-Se-77

MAT 3434

34-Se-77

(n,t) Levels  
293 Kelvin Cross Sections



12

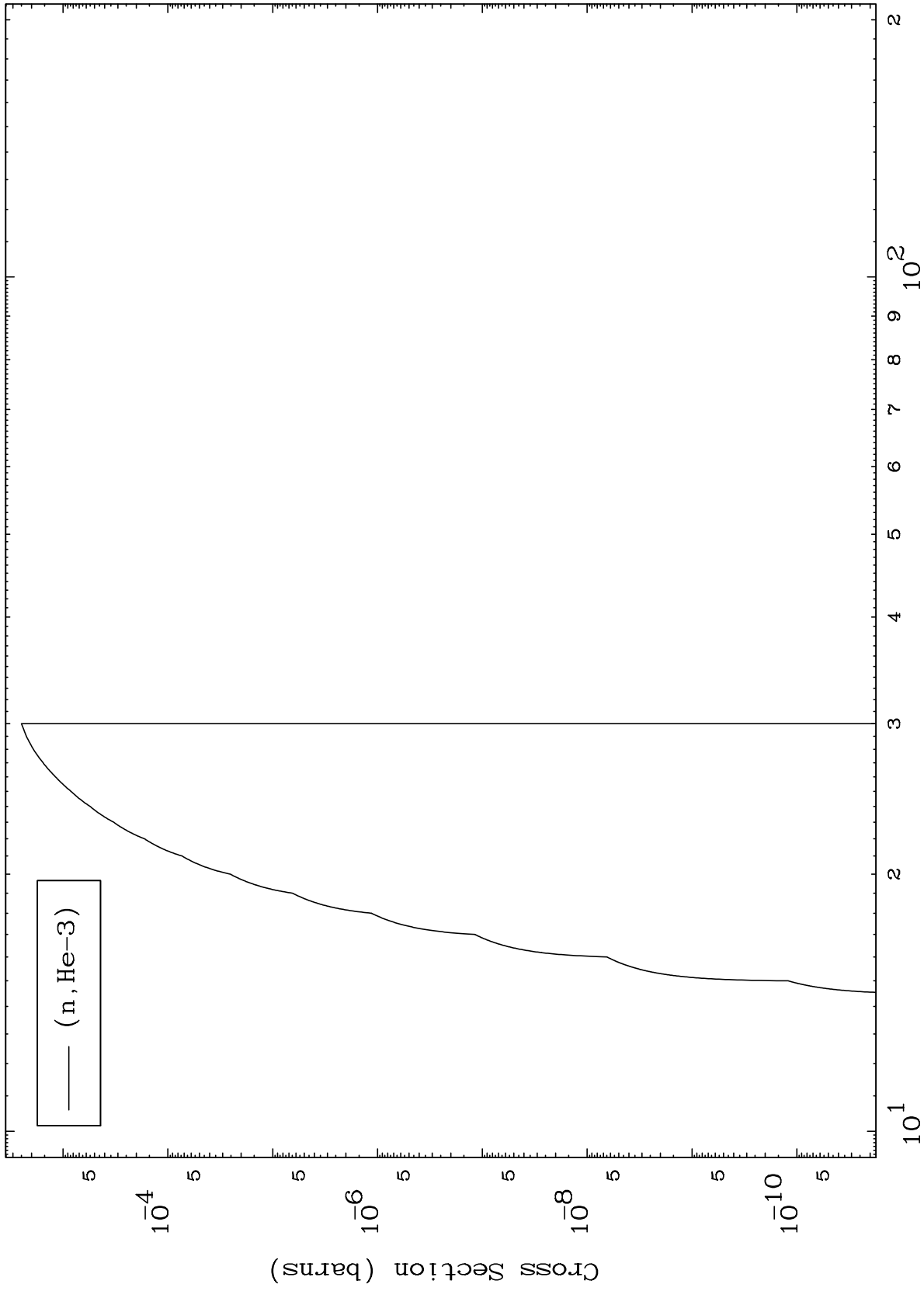
Incident Energy (MeV)

34-Se-77

MAT 3434

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-77



13

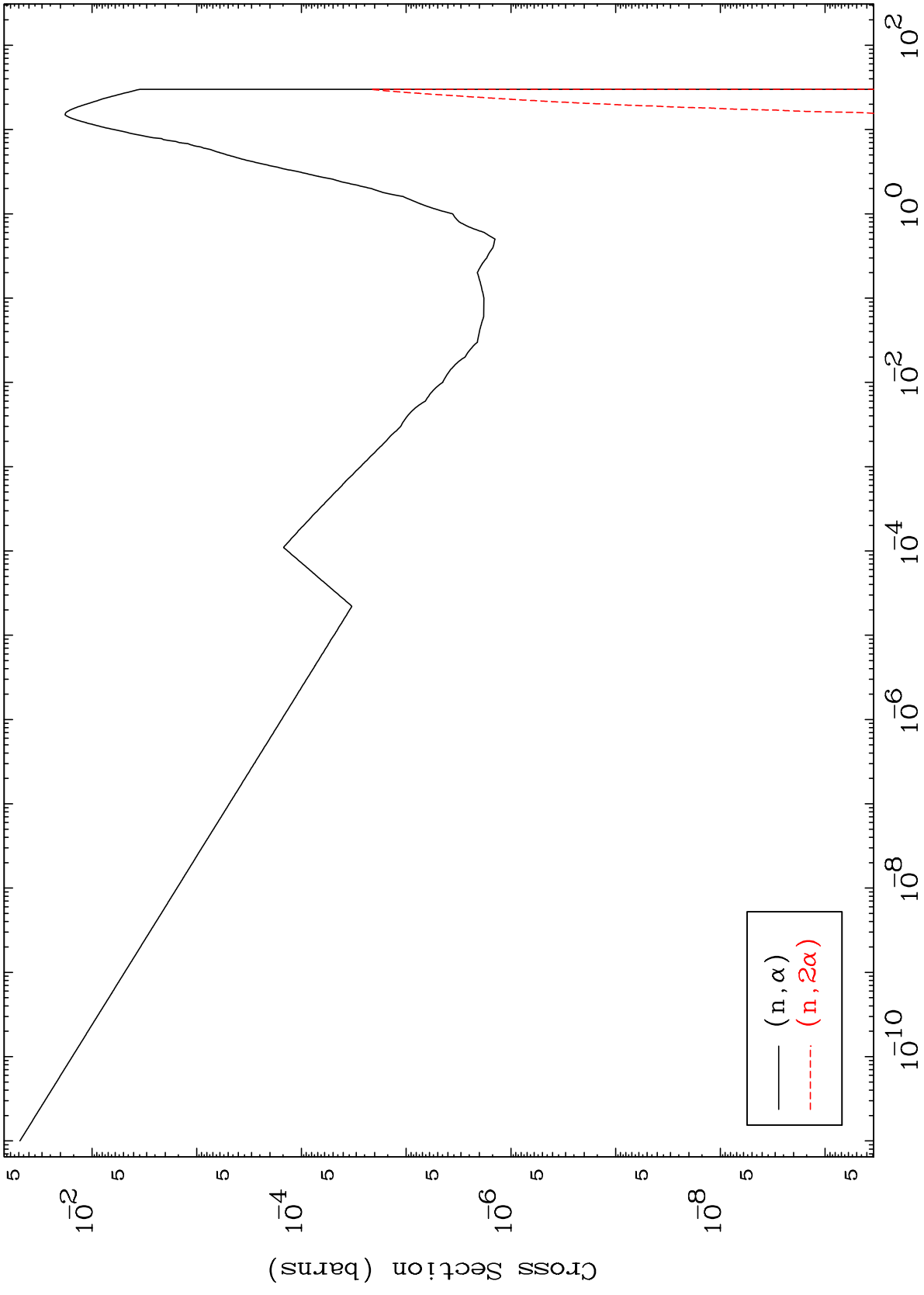
Incident Energy (MeV)

34-Se-77

MAT 3434

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

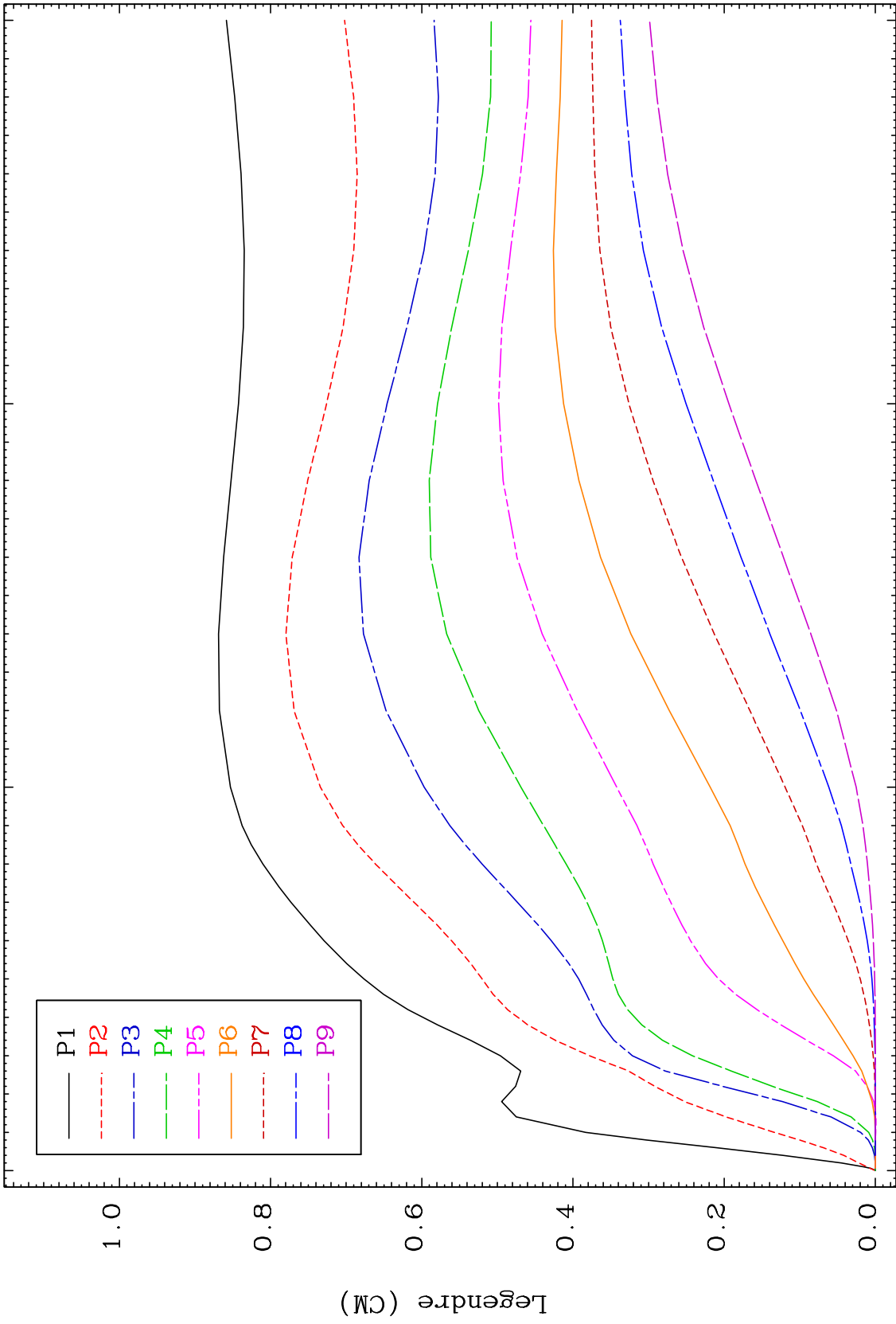
34-Se-77



MAT 3434

Elastic Legendre Coefficients

<sup>34</sup>Se-77



15

Incident Energy (MeV)

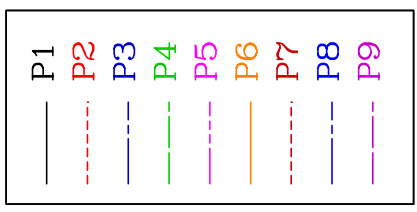
<sup>34</sup>Se-77

0

10

20

30



1.0

0.8

0.6

0.4

0.2

0.0

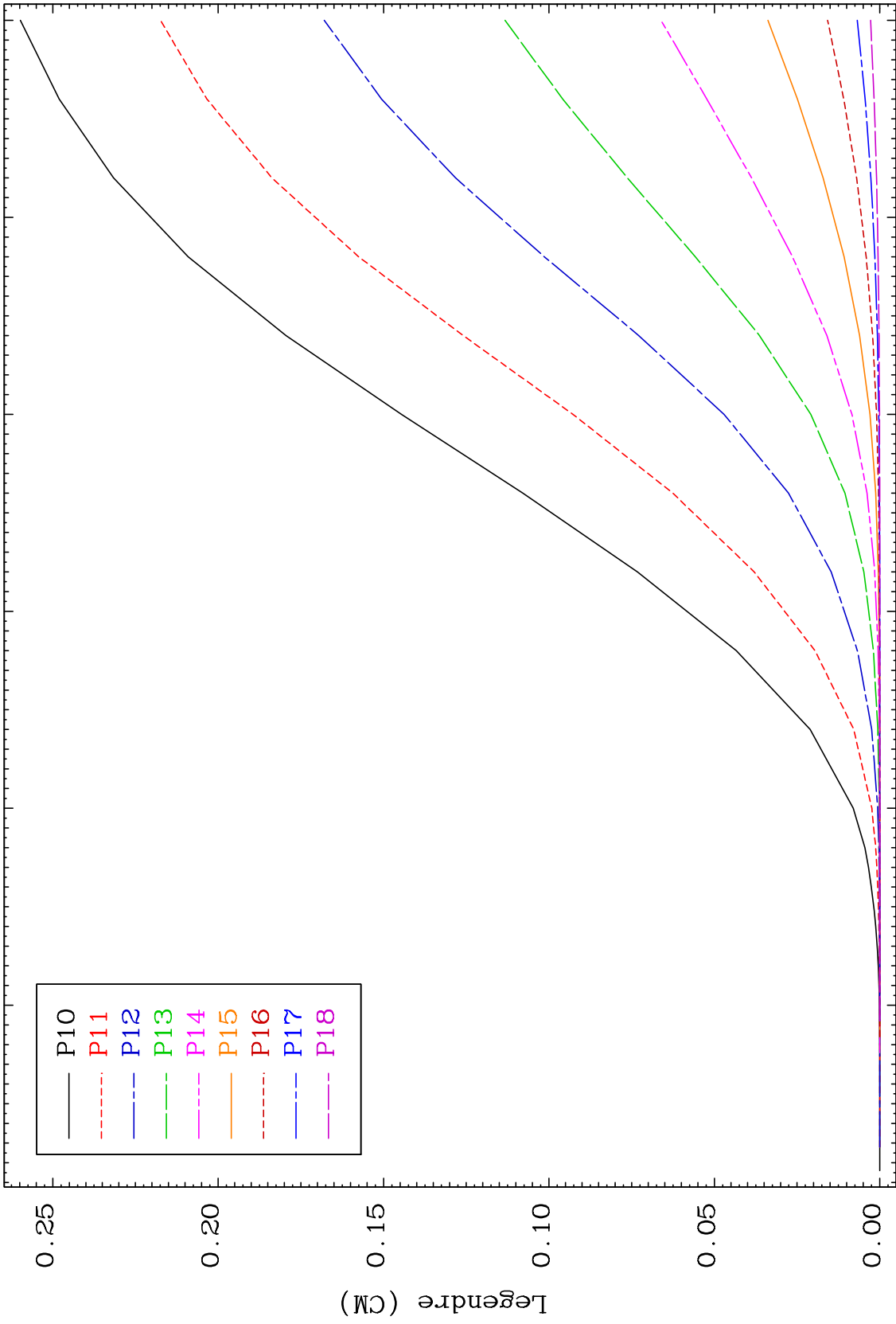
Legendre (CM)



MAT 3434

Elastic Legendre Coefficients

34-Se-77



16

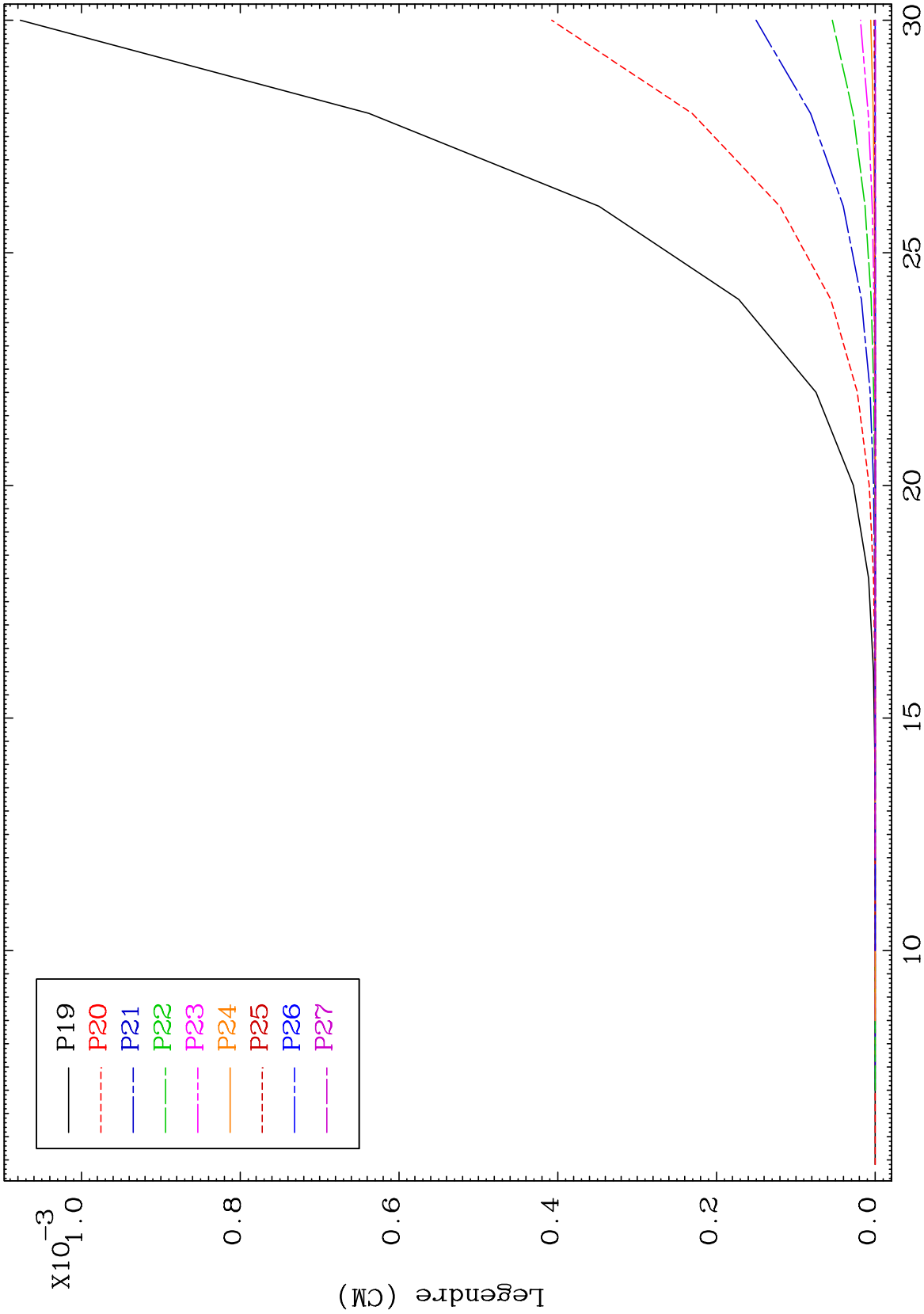
Incident Energy (MeV)

34-Se-77

MAT 3434

### Elastic Legendre Coefficients

34-Se-77



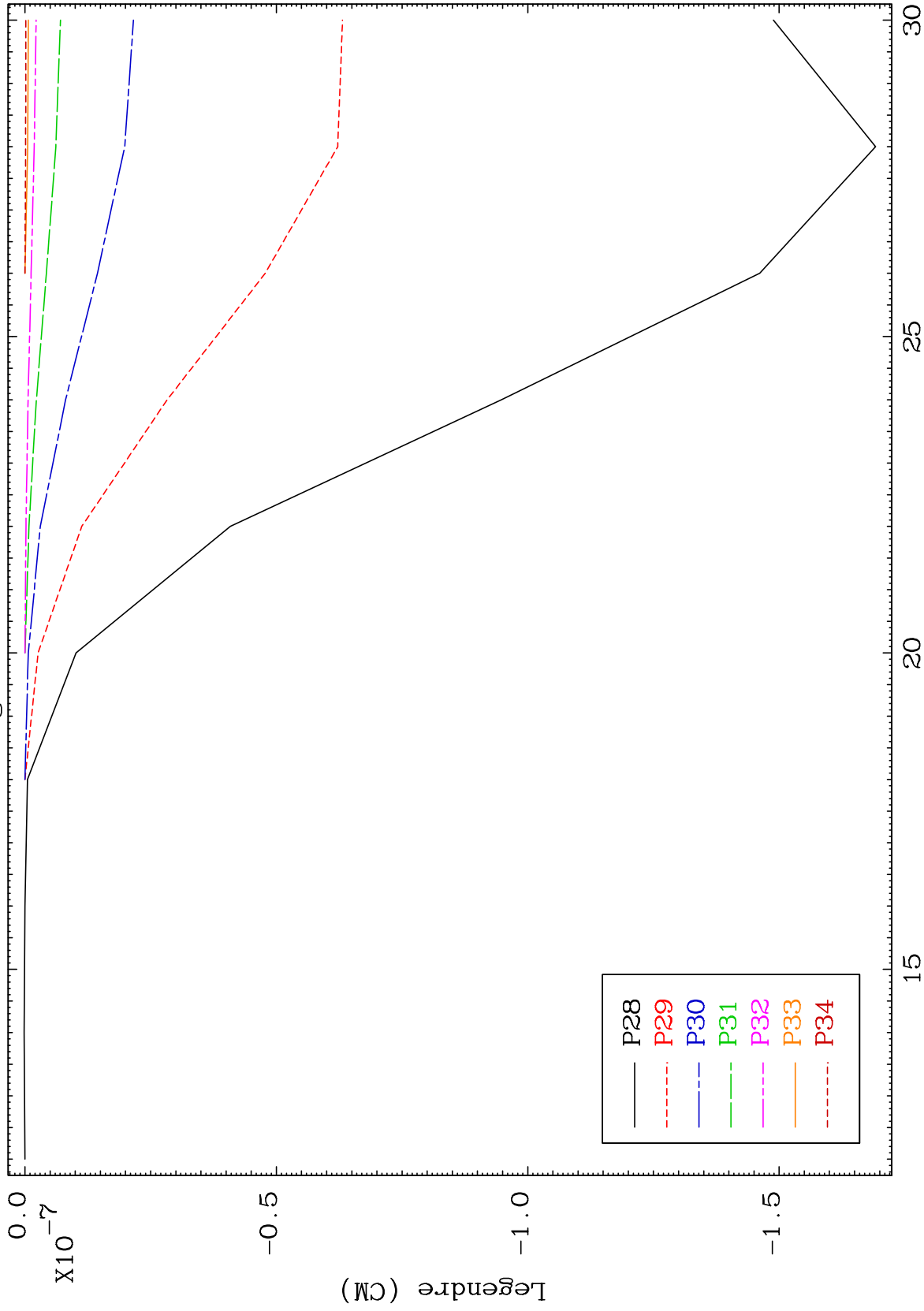
17

34-Se-77

MAT 3434

34-Se-77

Elastic Legendre Coefficients



18

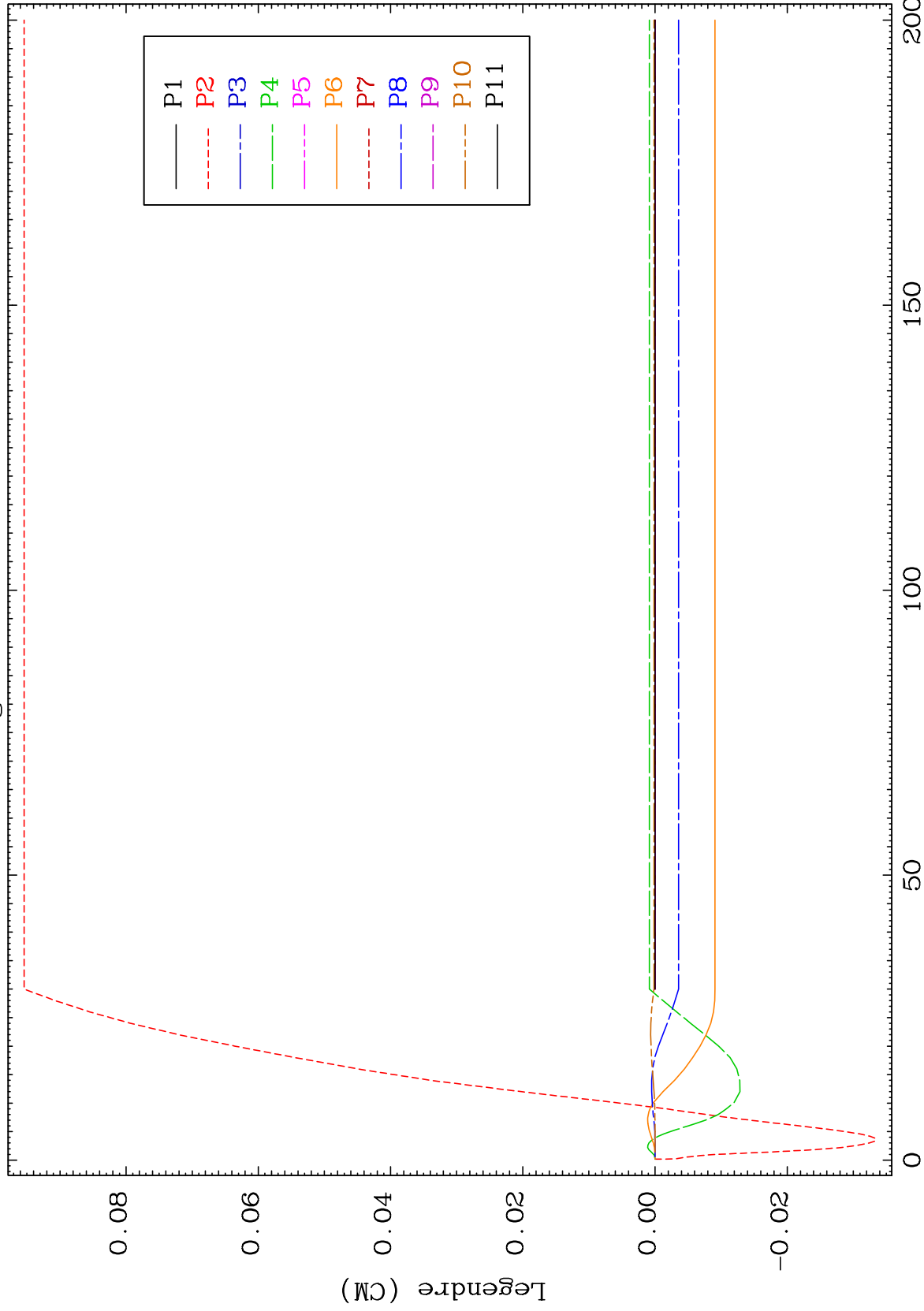
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



19

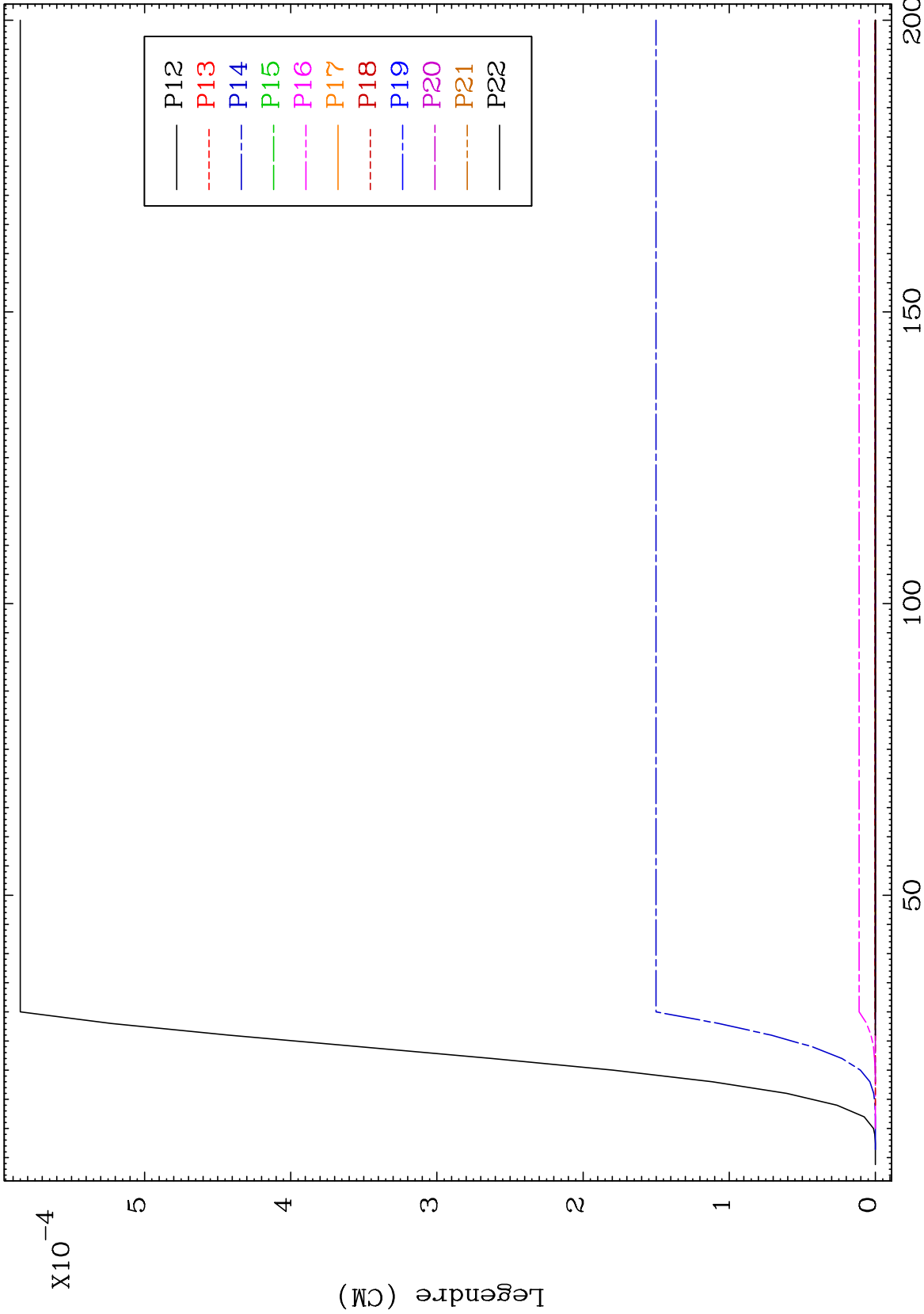
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



20

Incident Energy (MeV)

50

100

150

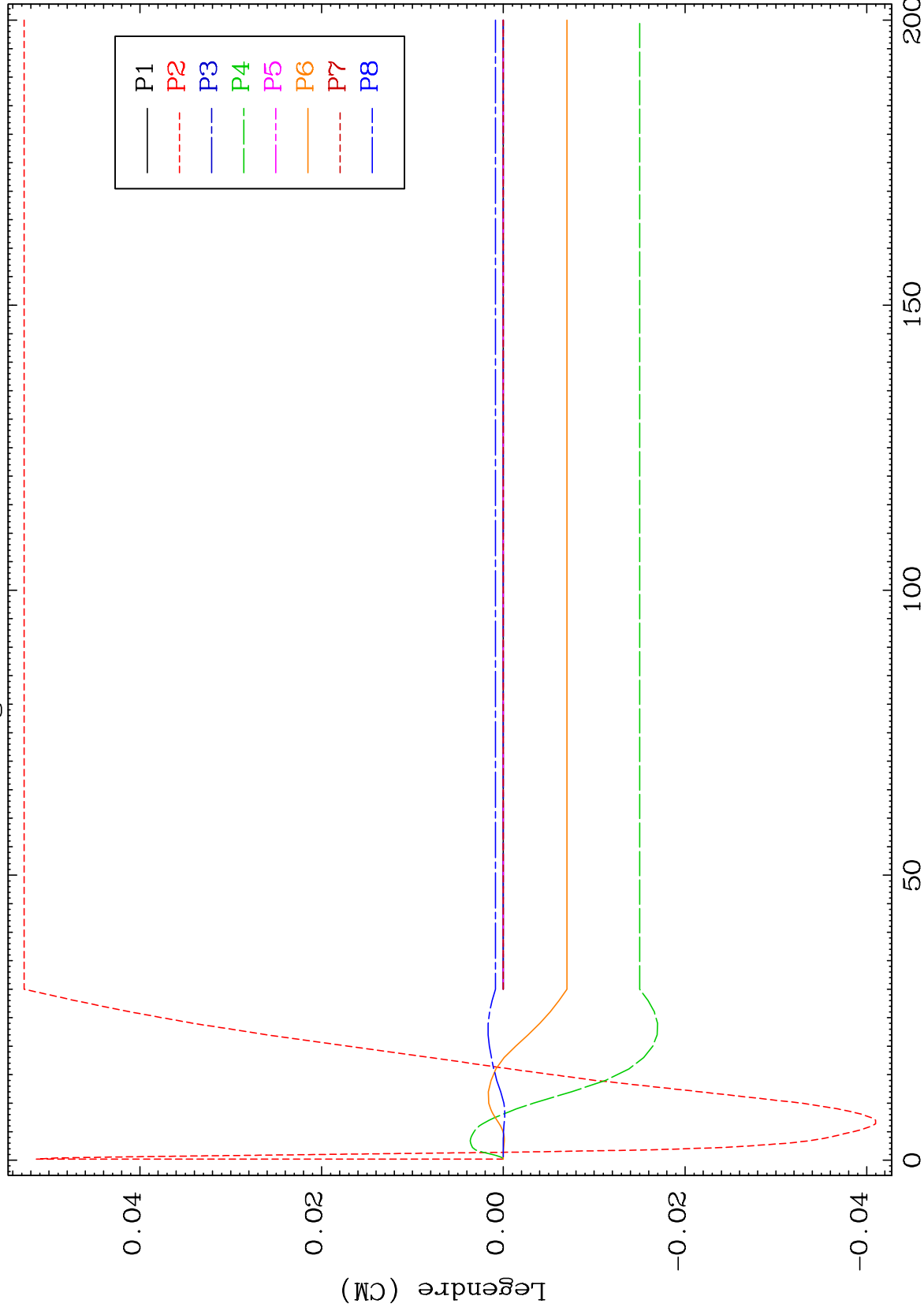
200

34-Se-77

MAT 3434

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

34-Se-77

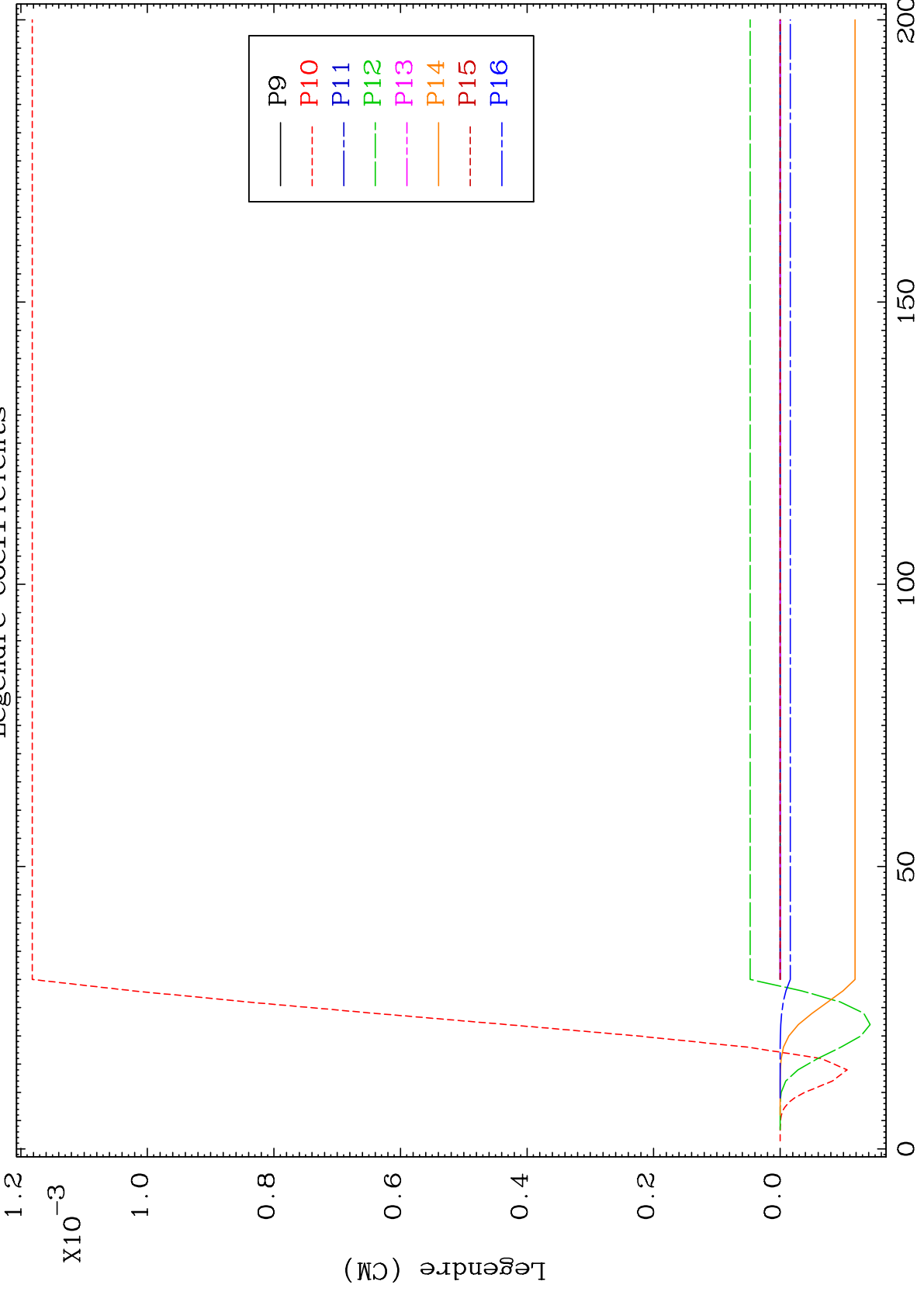


21

Incident Energy (MeV)

34-Se-77

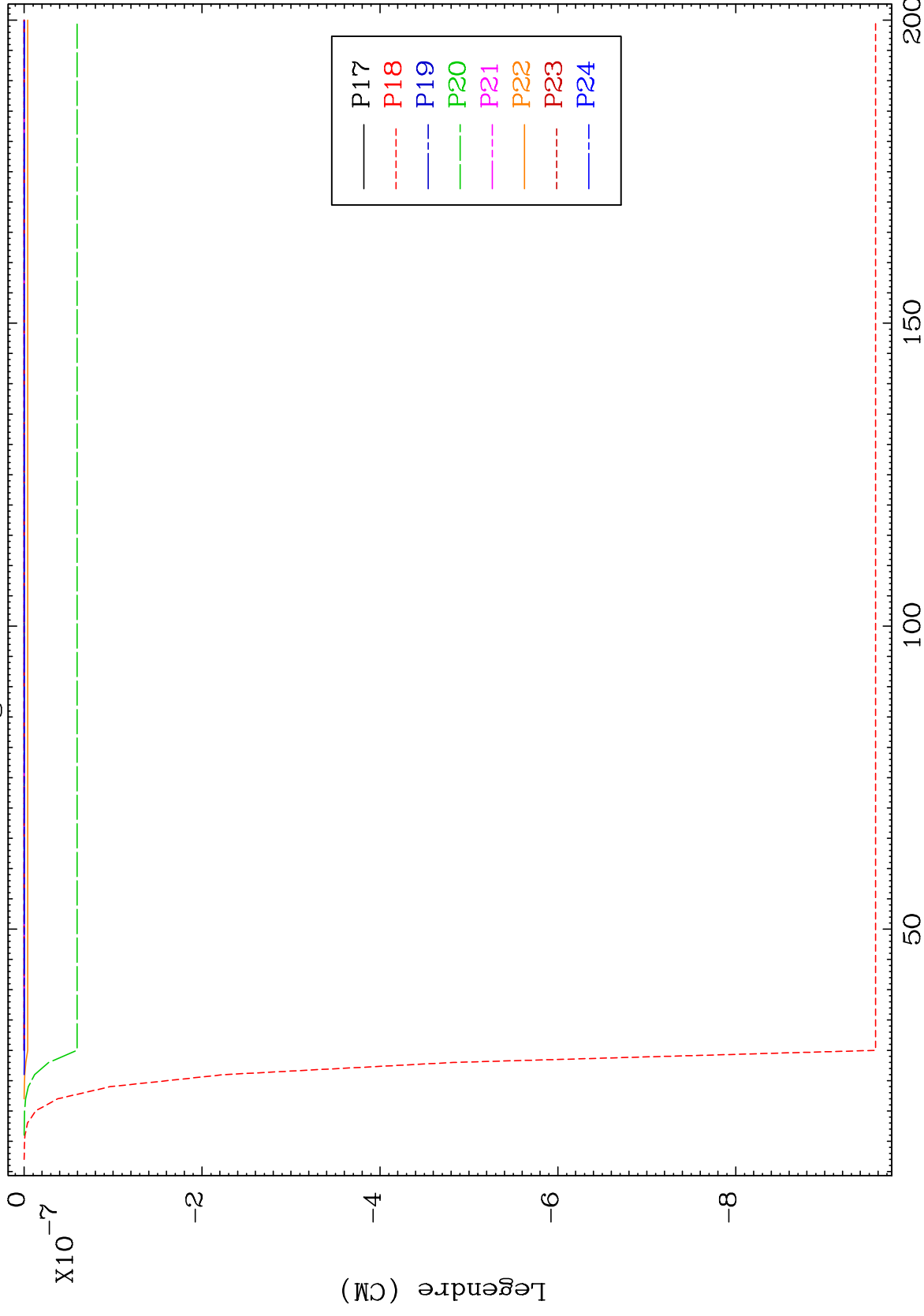
MAT 3434 MT= 52 (n,n') Level Legendre Coefficients 34-Se-77



MAT 3434

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

34-Se-77



34-Se-77

Incident Energy (MeV)

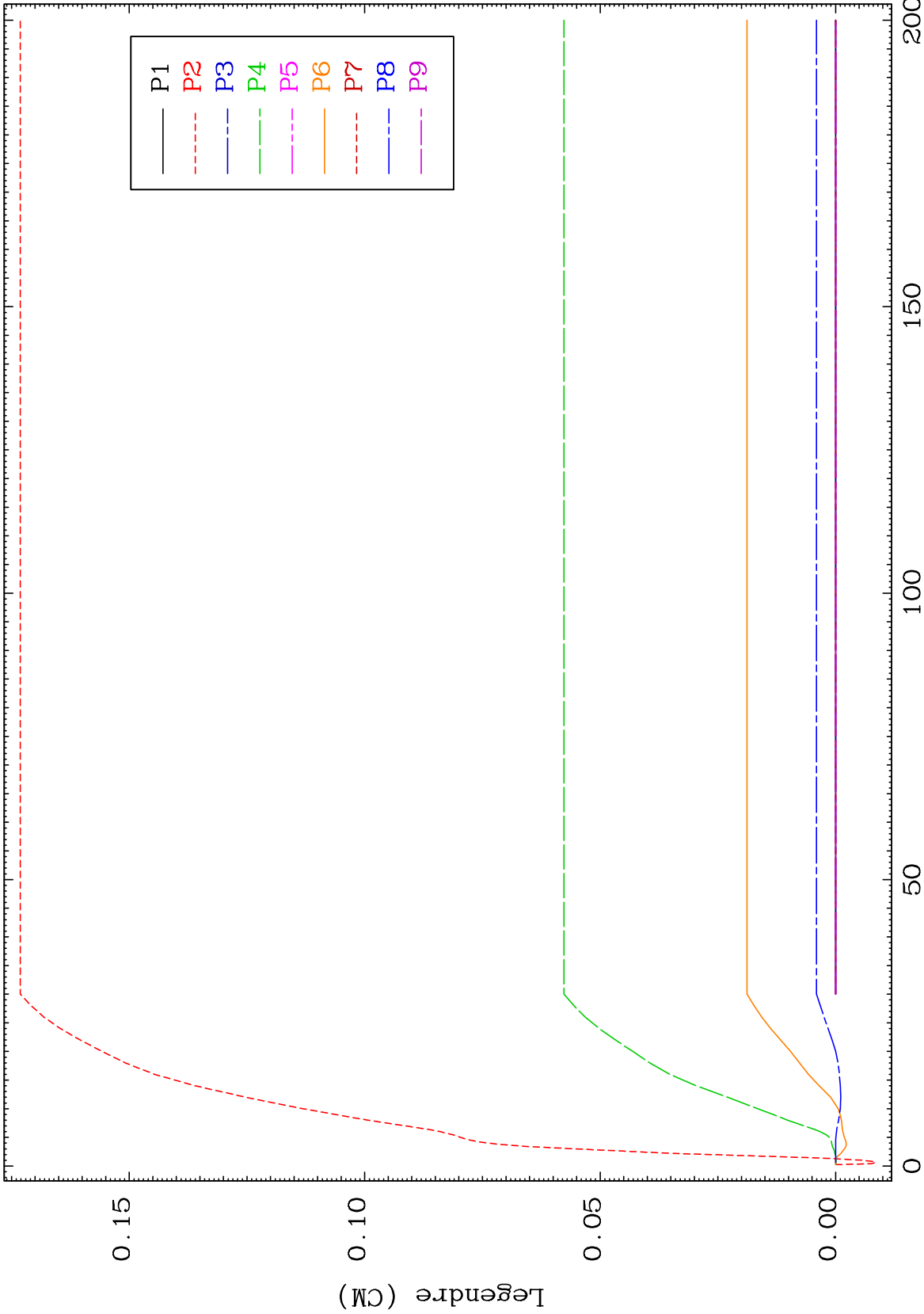
23



MAT 3434

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

34-Se-77



24

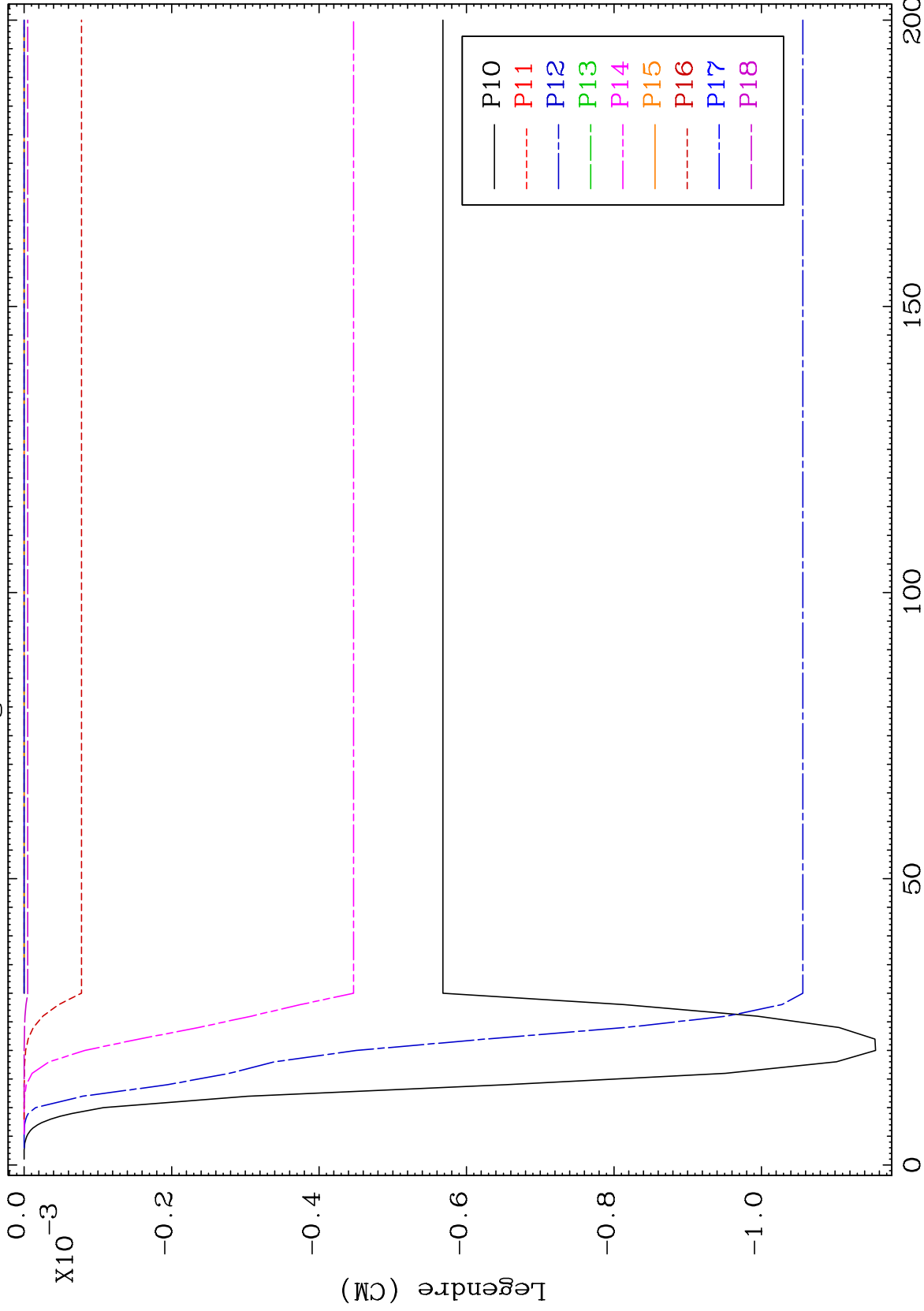
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



25

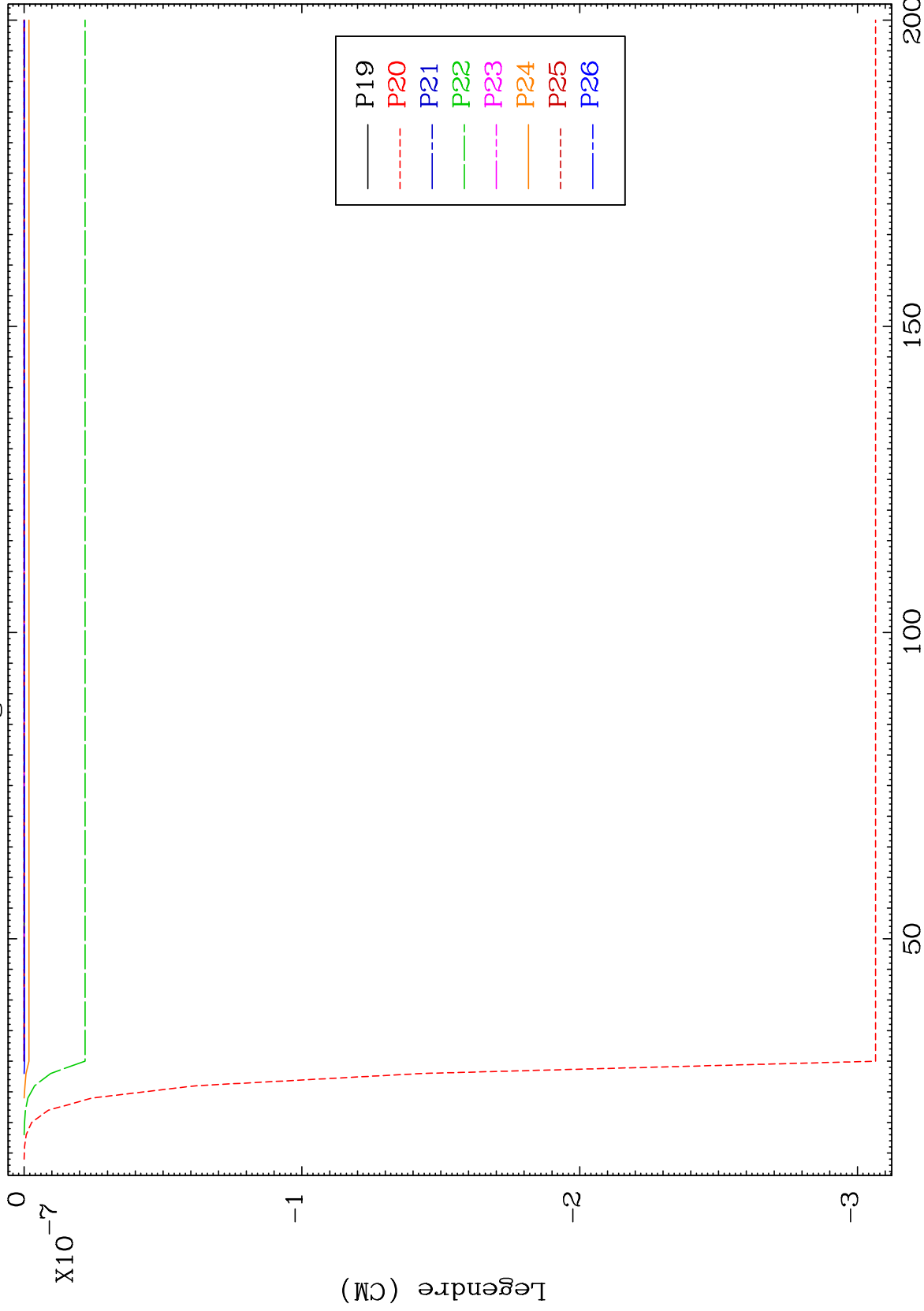
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



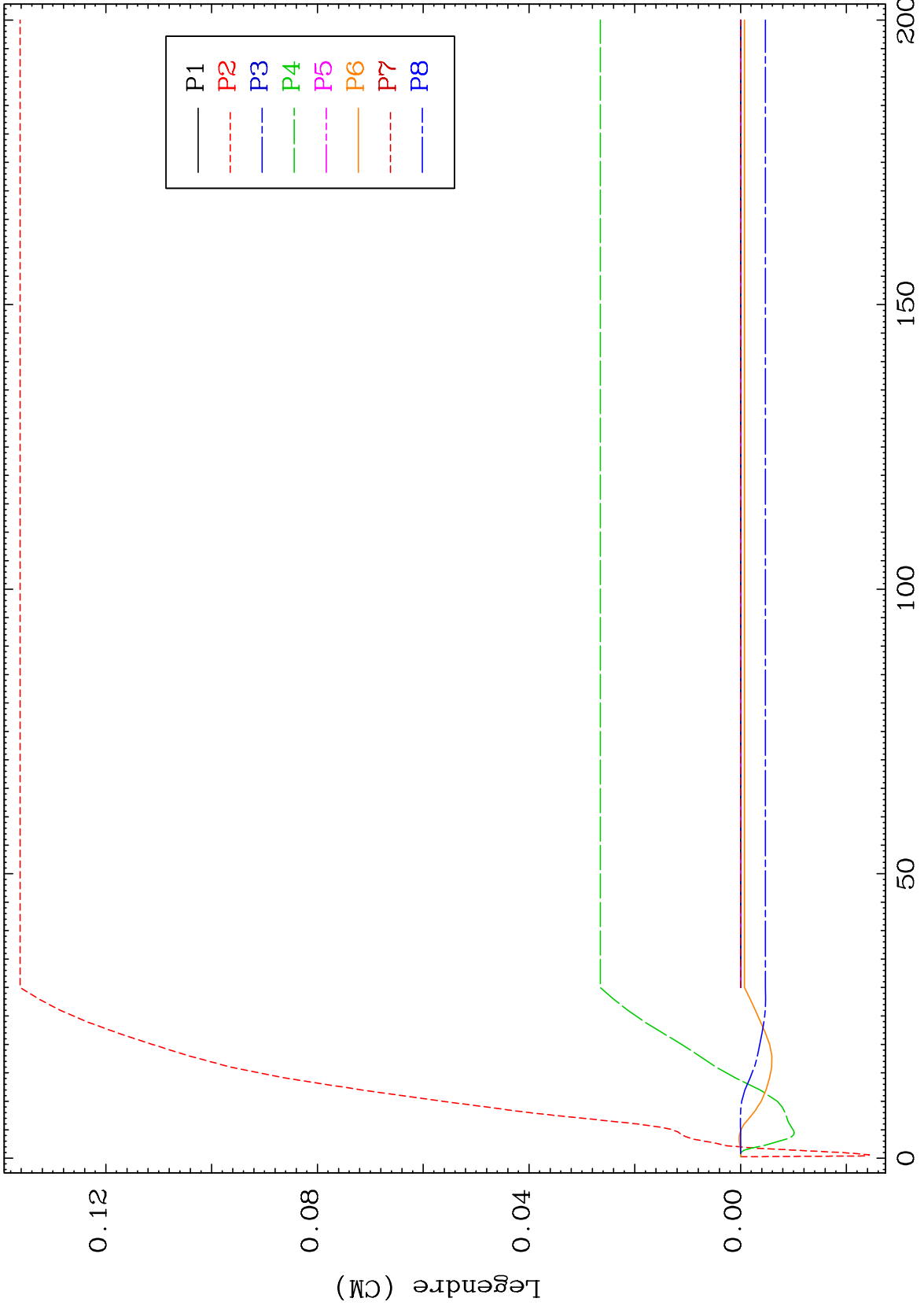
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34-Se-77

MAT 3434

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

34-Se-77



27

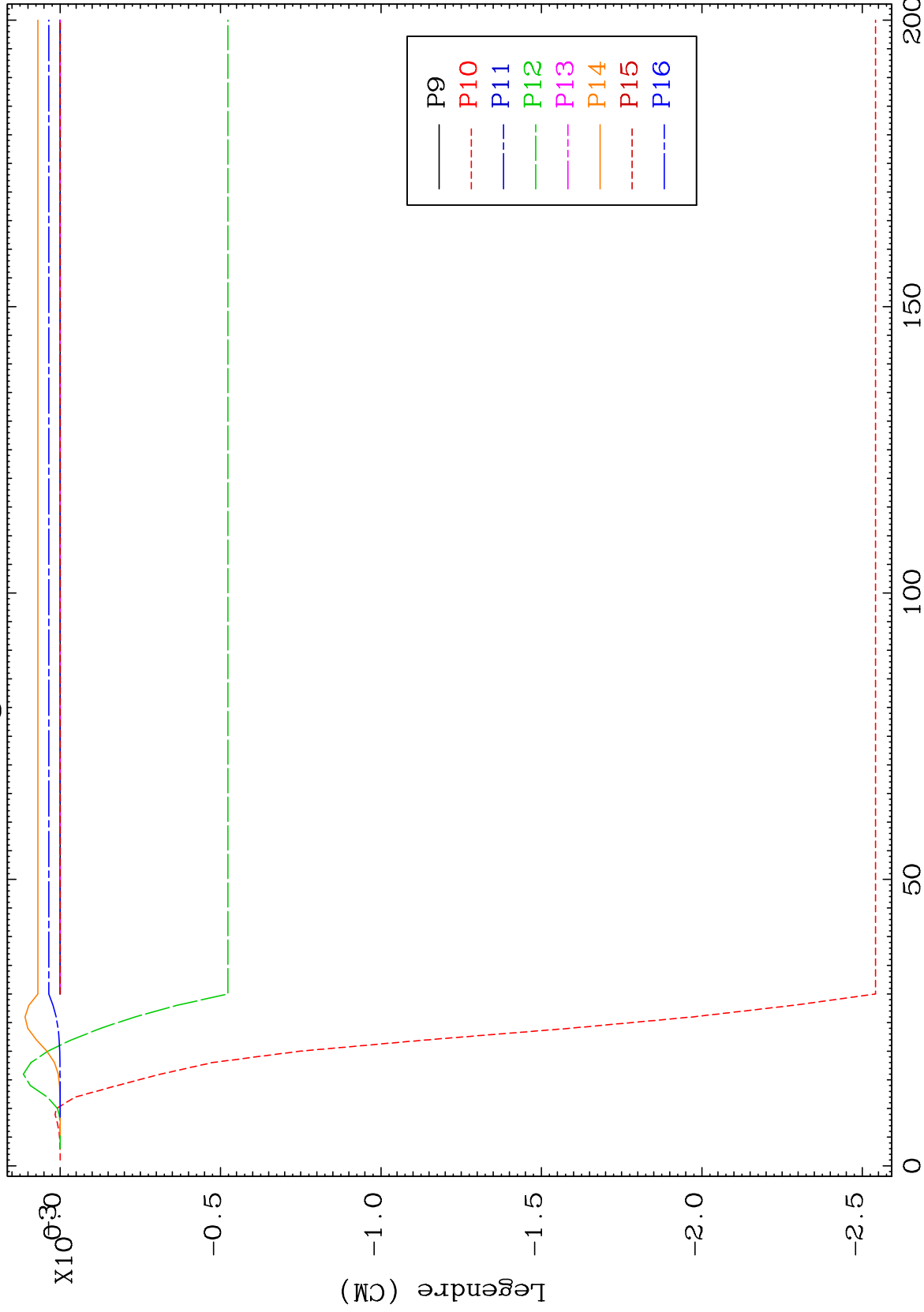
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



28

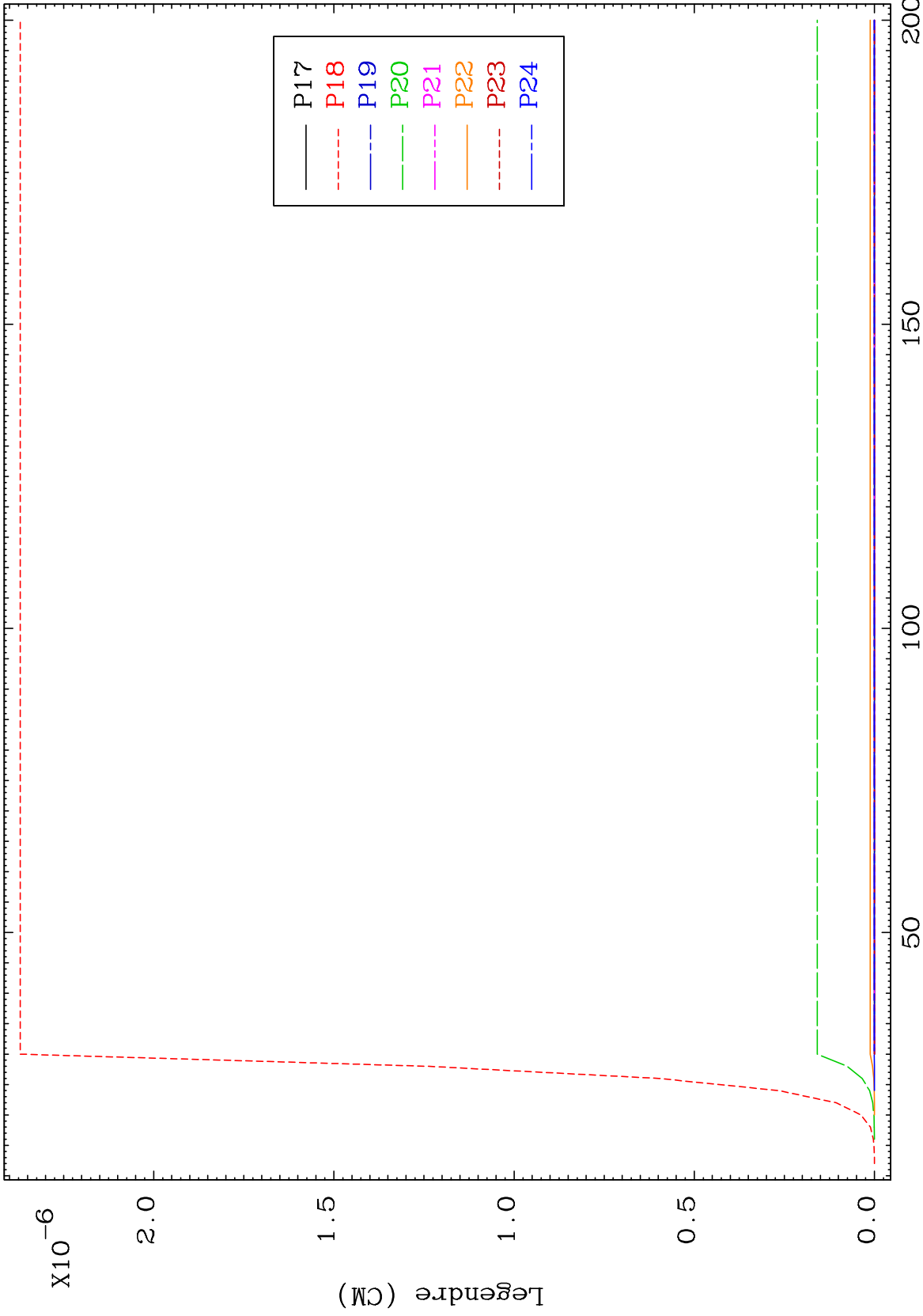
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



29

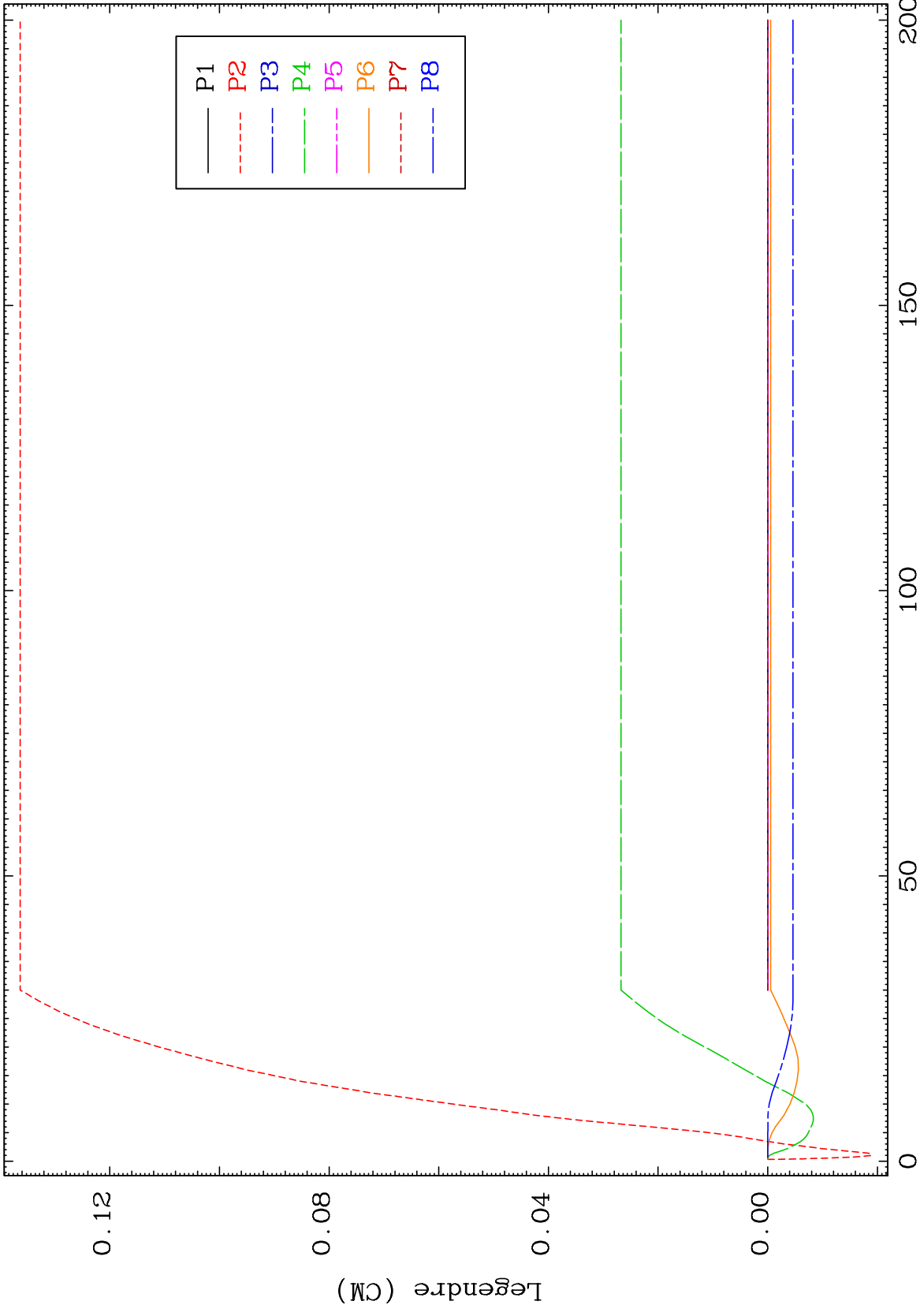
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



34-Se-77

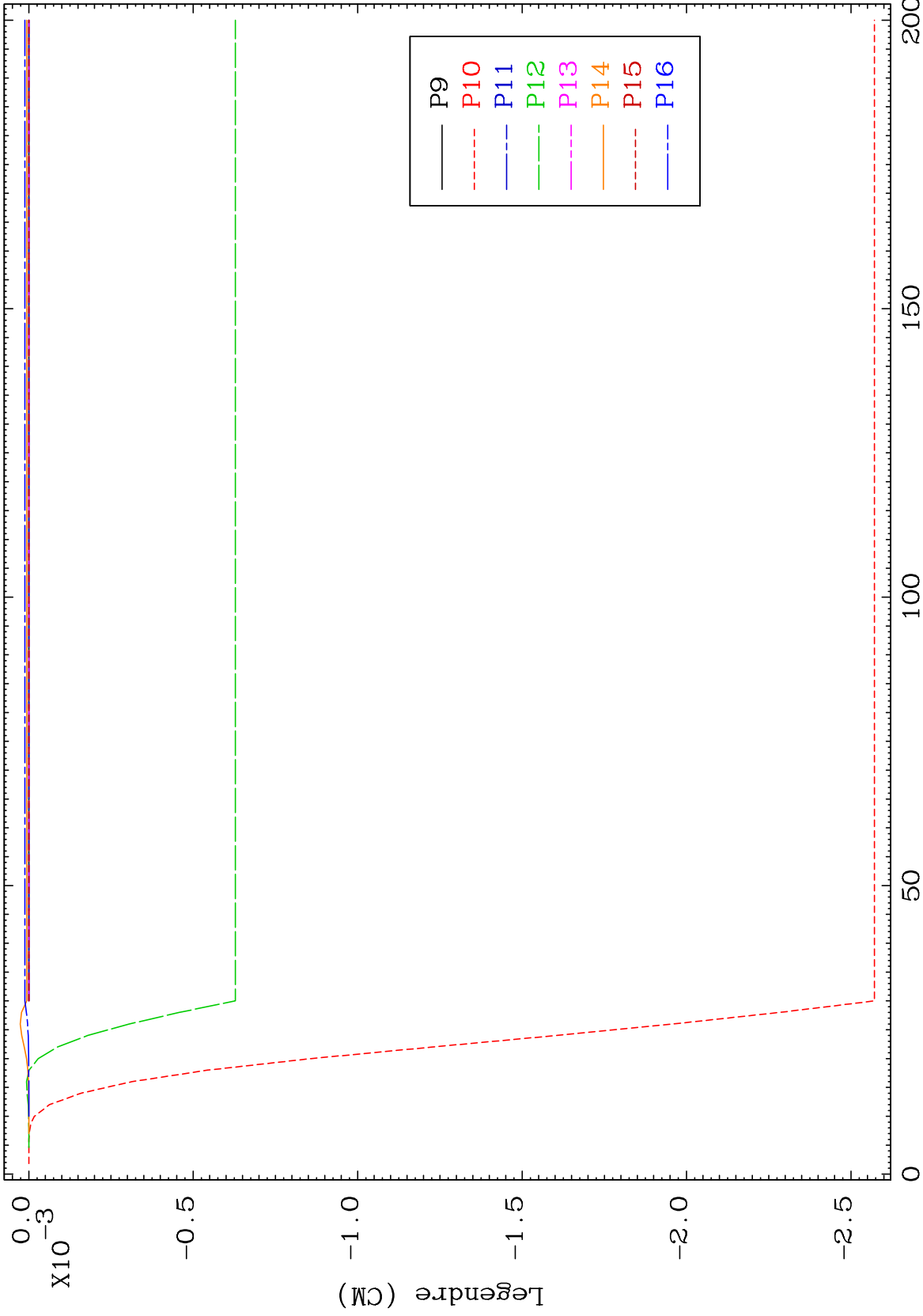
Incident Energy (MeV)

30

MAT 3434

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

34-Se-77



31

Incident Energy (MeV)

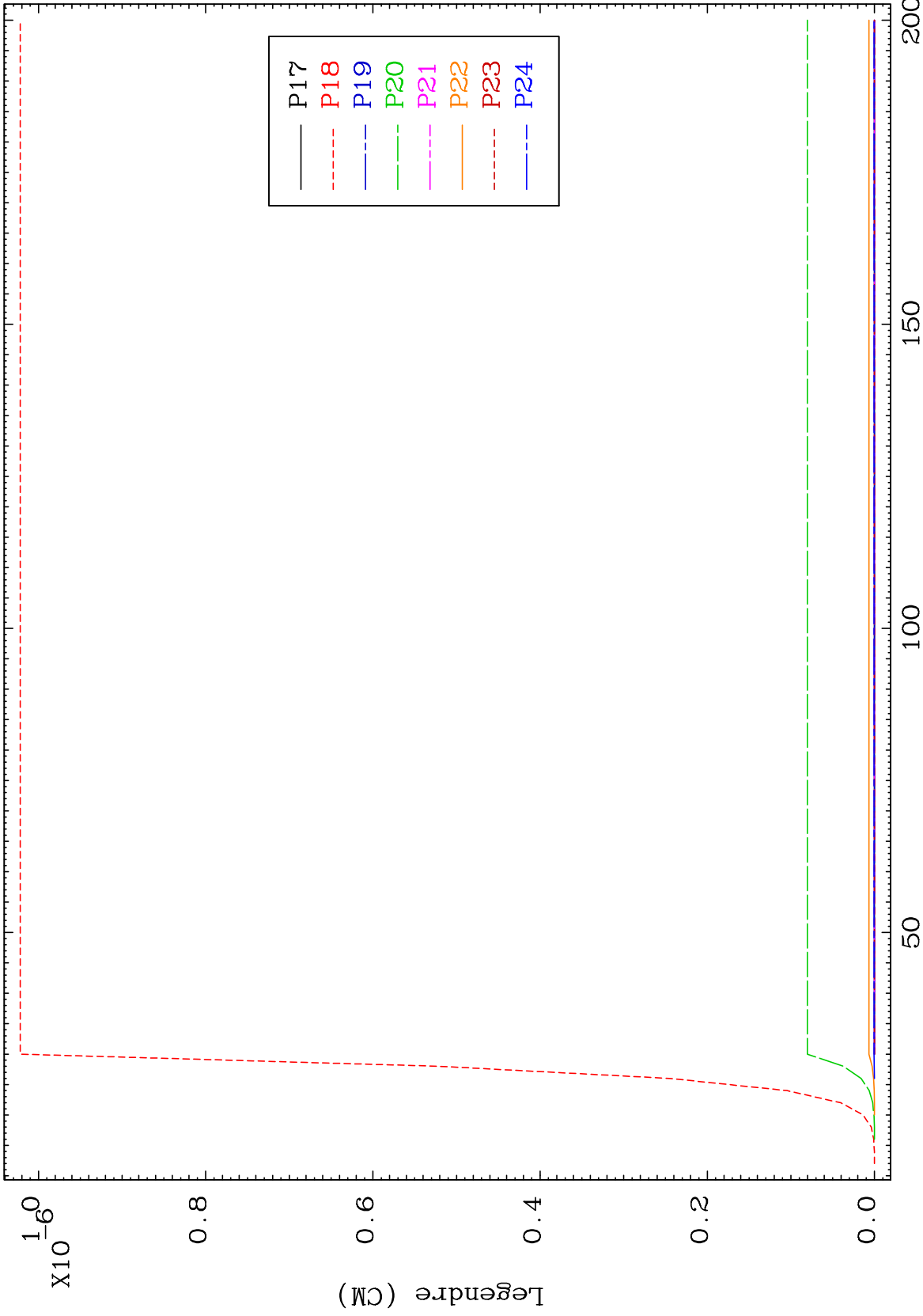
34-Se-77



MAT 3434

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

34-Se-77

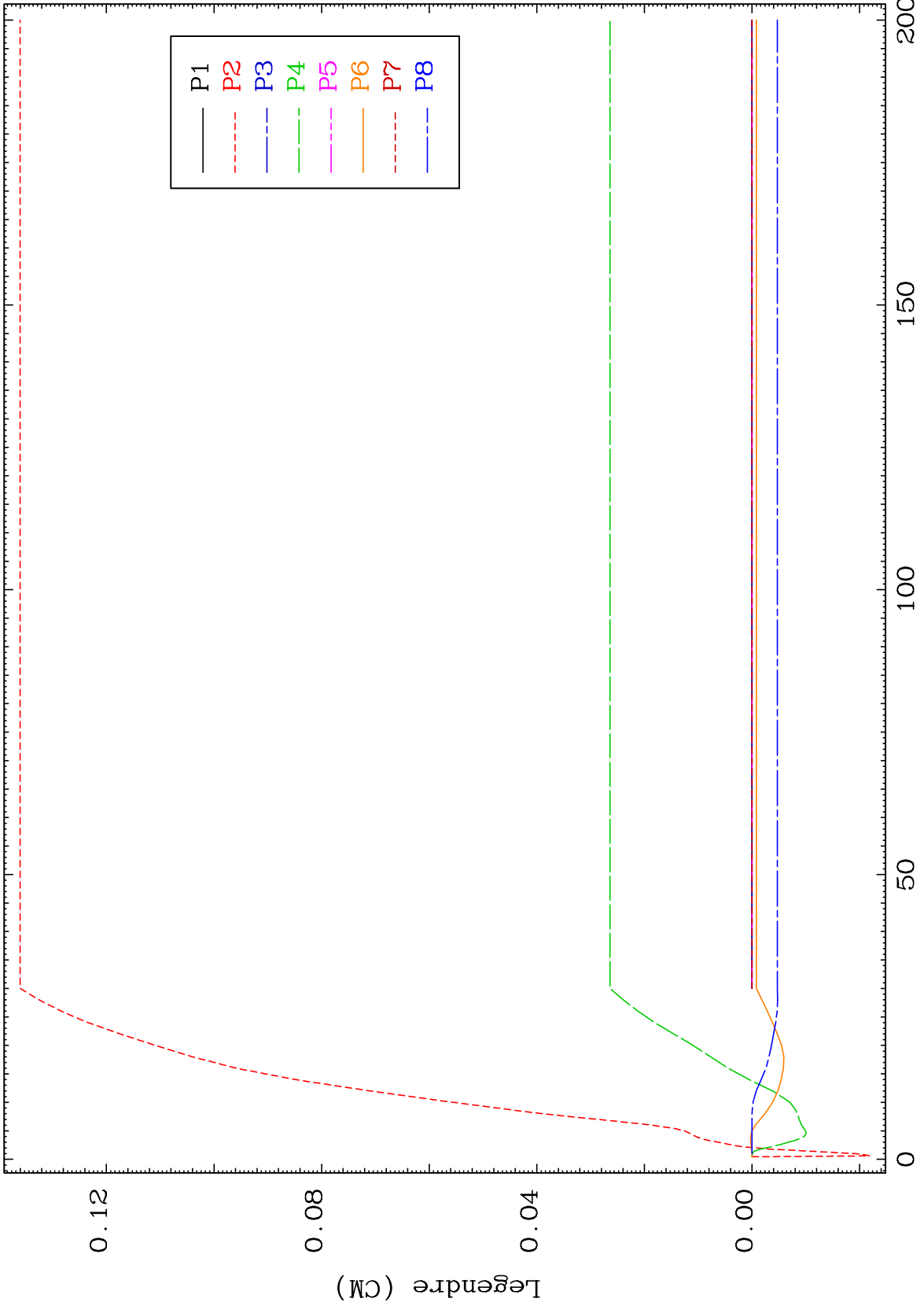


32

Incident Energy (MeV)

34-Se-77

MAT 3434 MT= 56 (n,n') Level Legendre Coefficients 34-Se-77

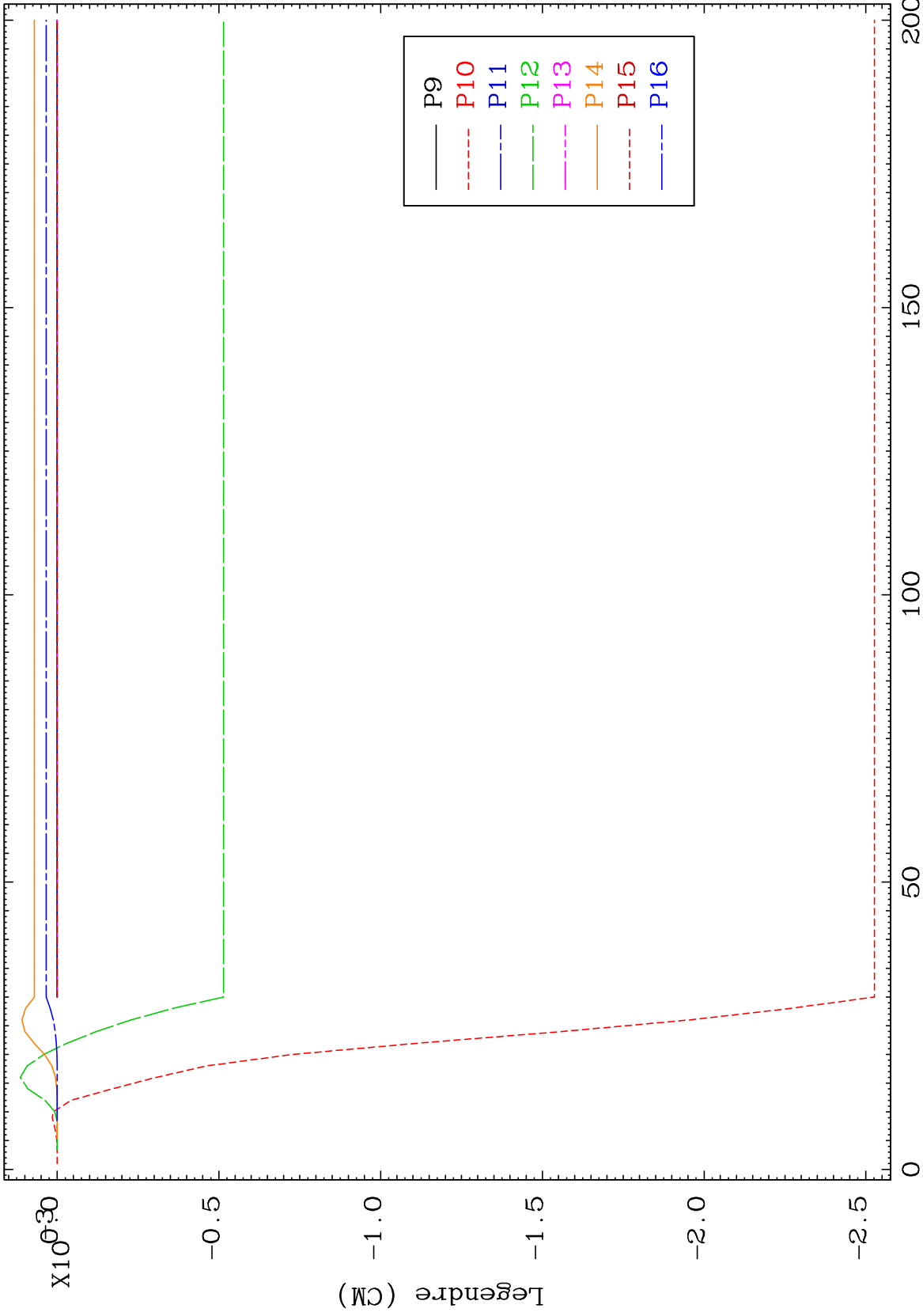


33 34-Se-77

MAT 3434

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

34-Se-77



34

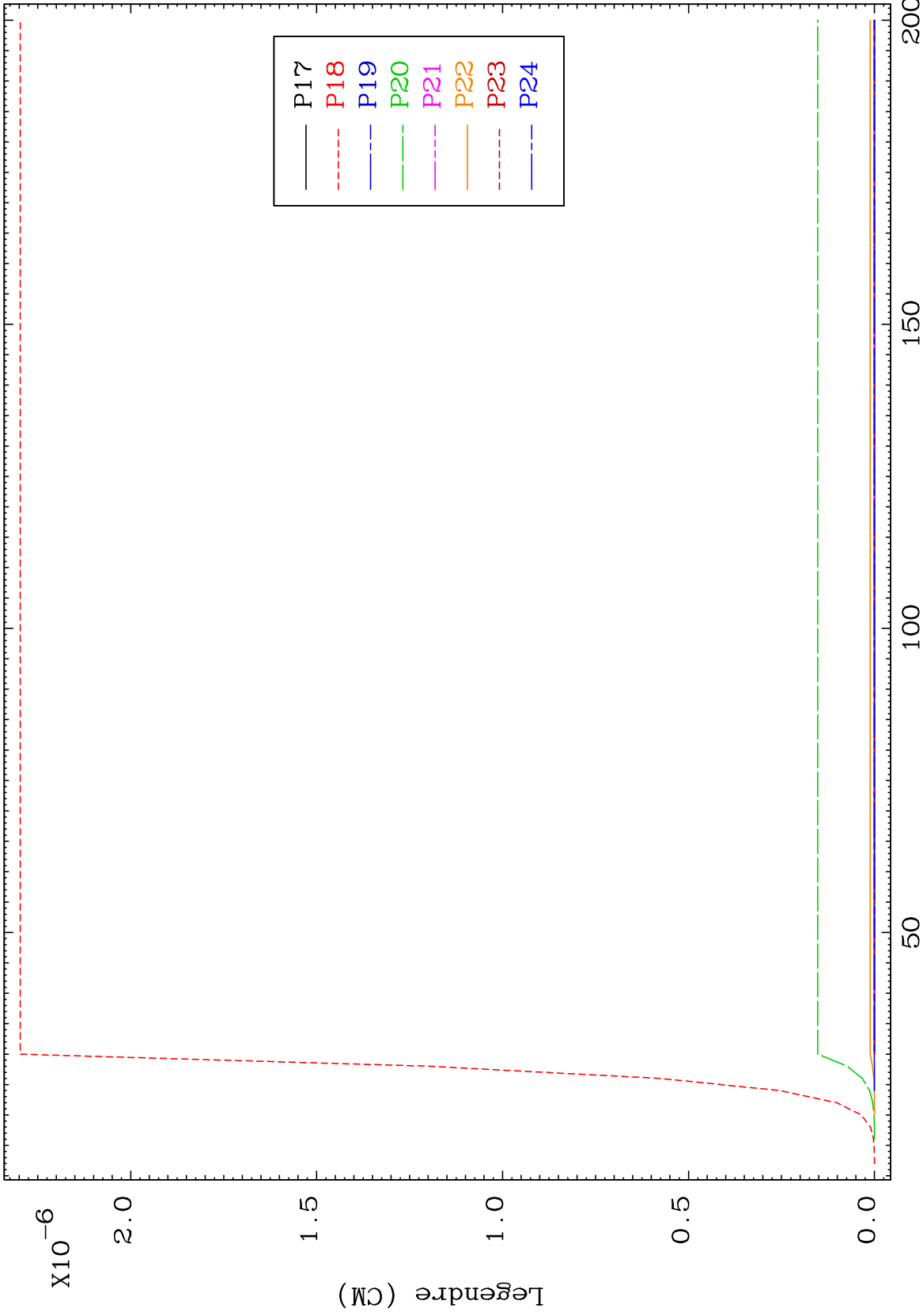
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



35

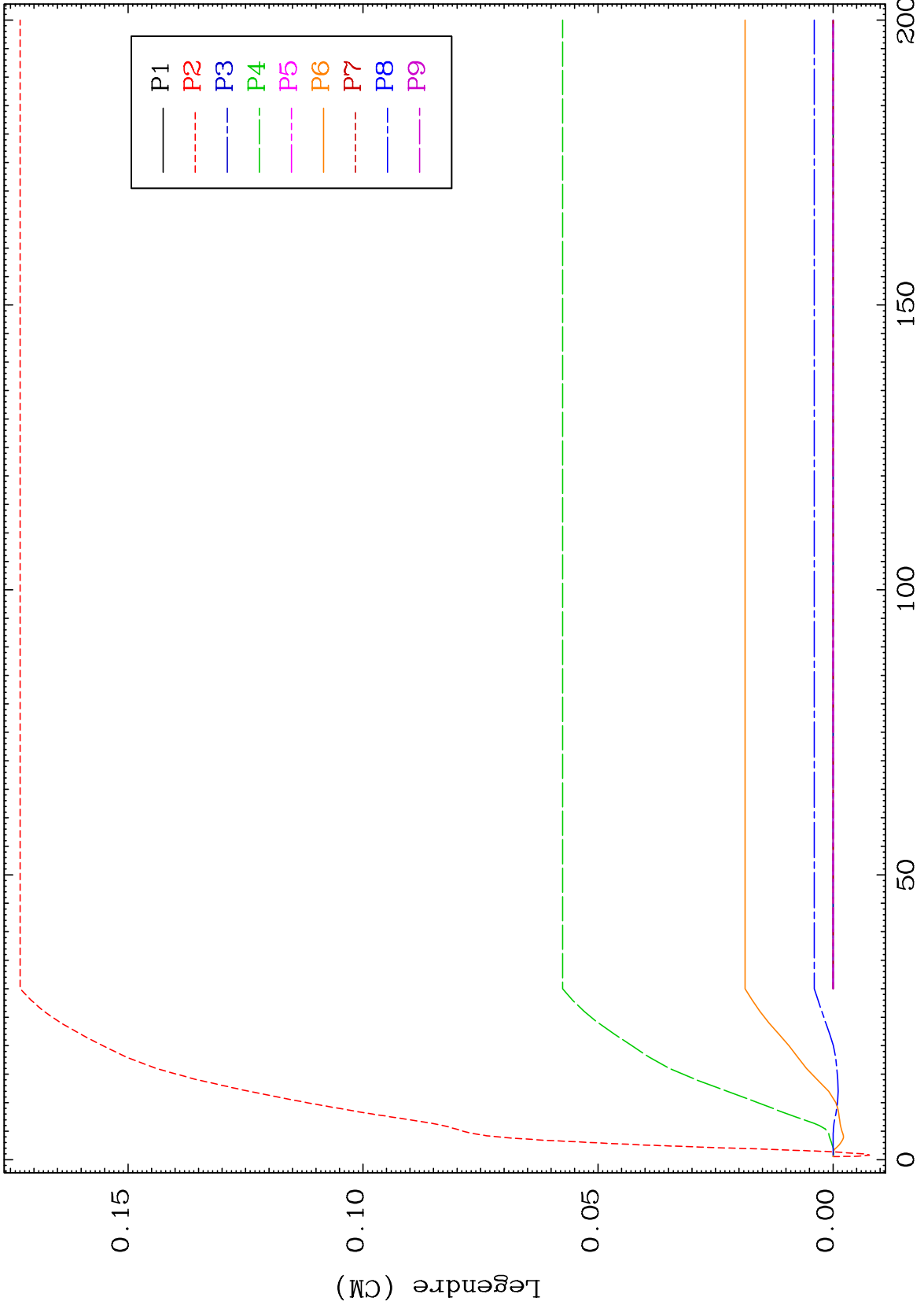
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



36

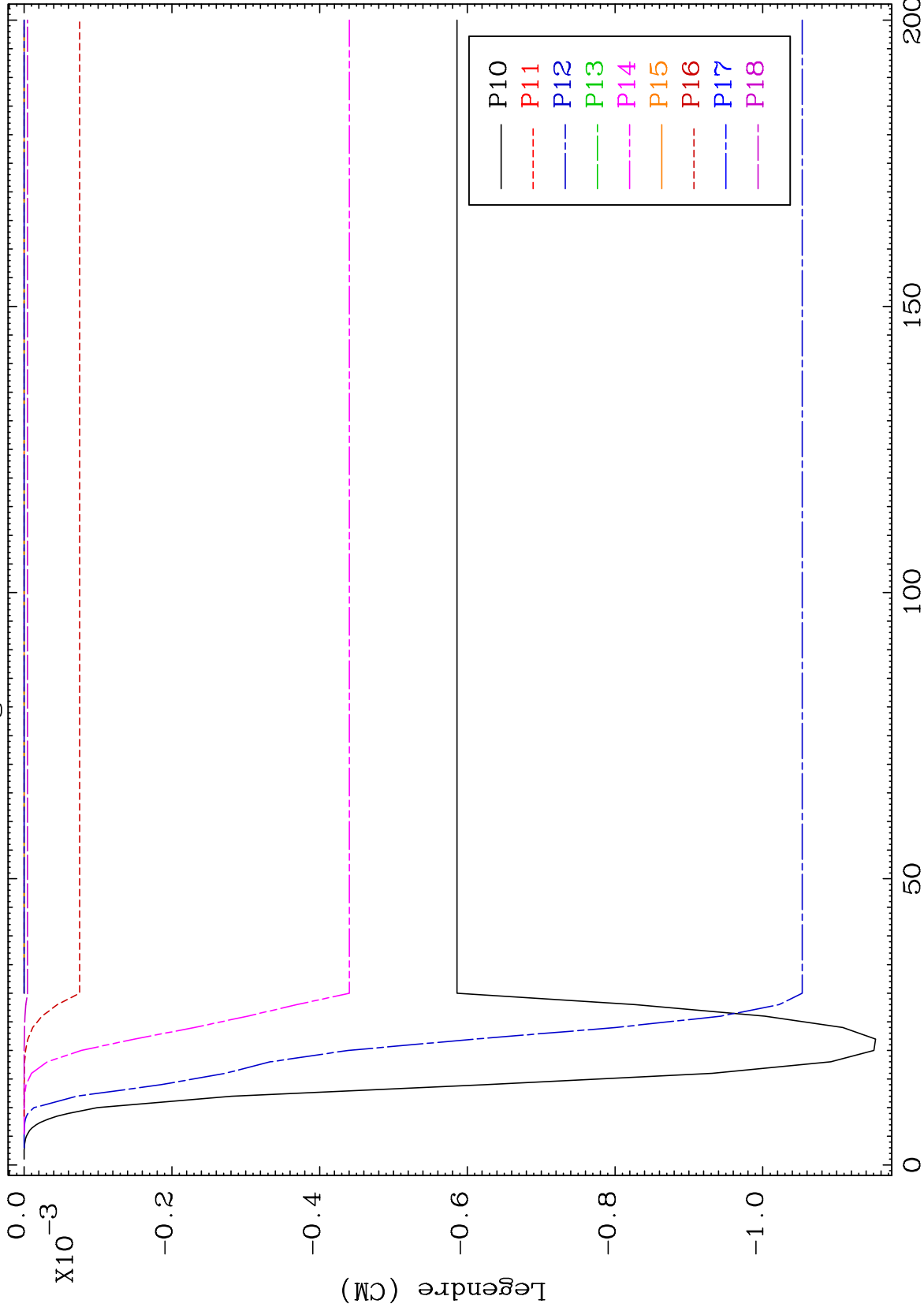
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



37

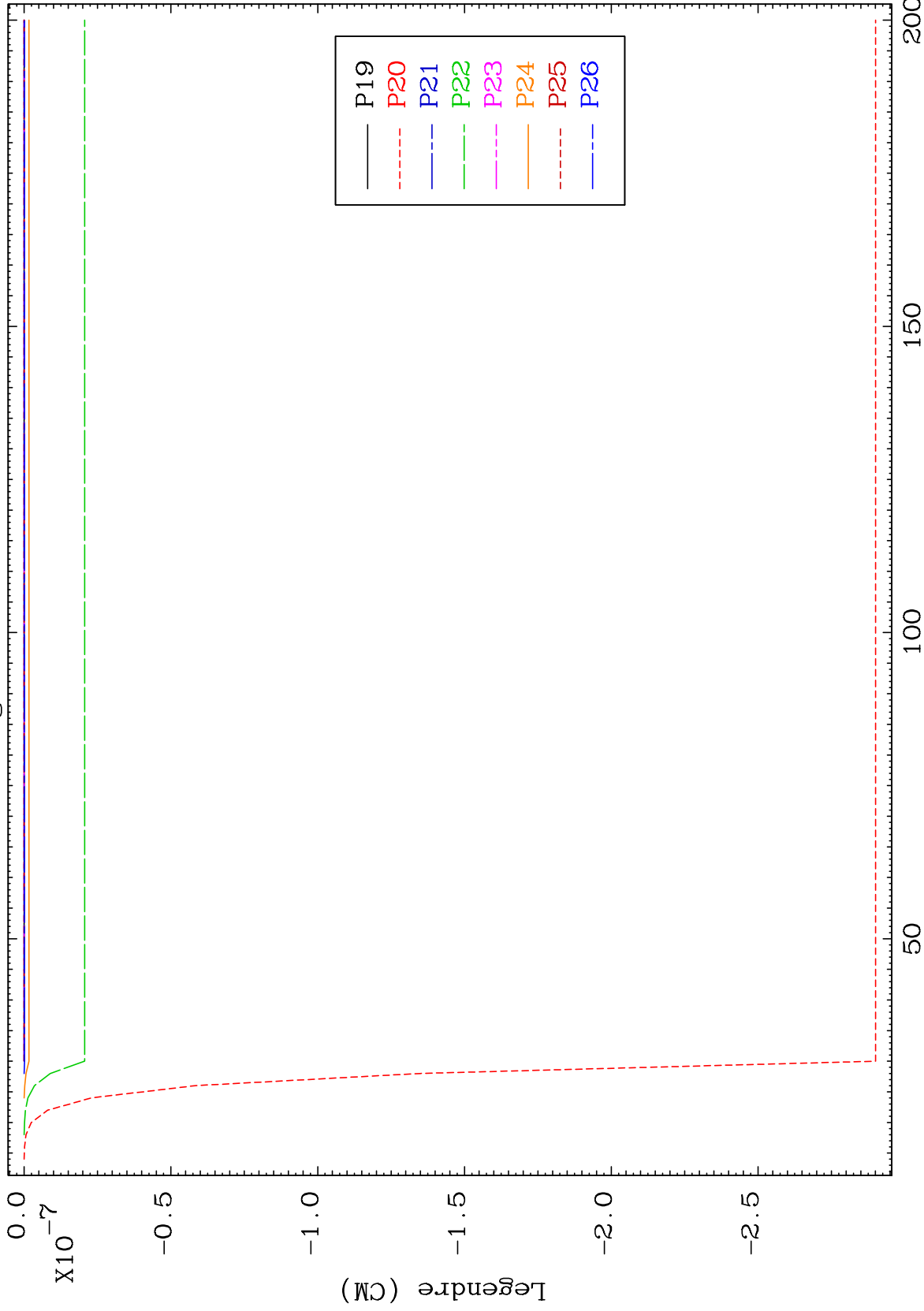
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



38

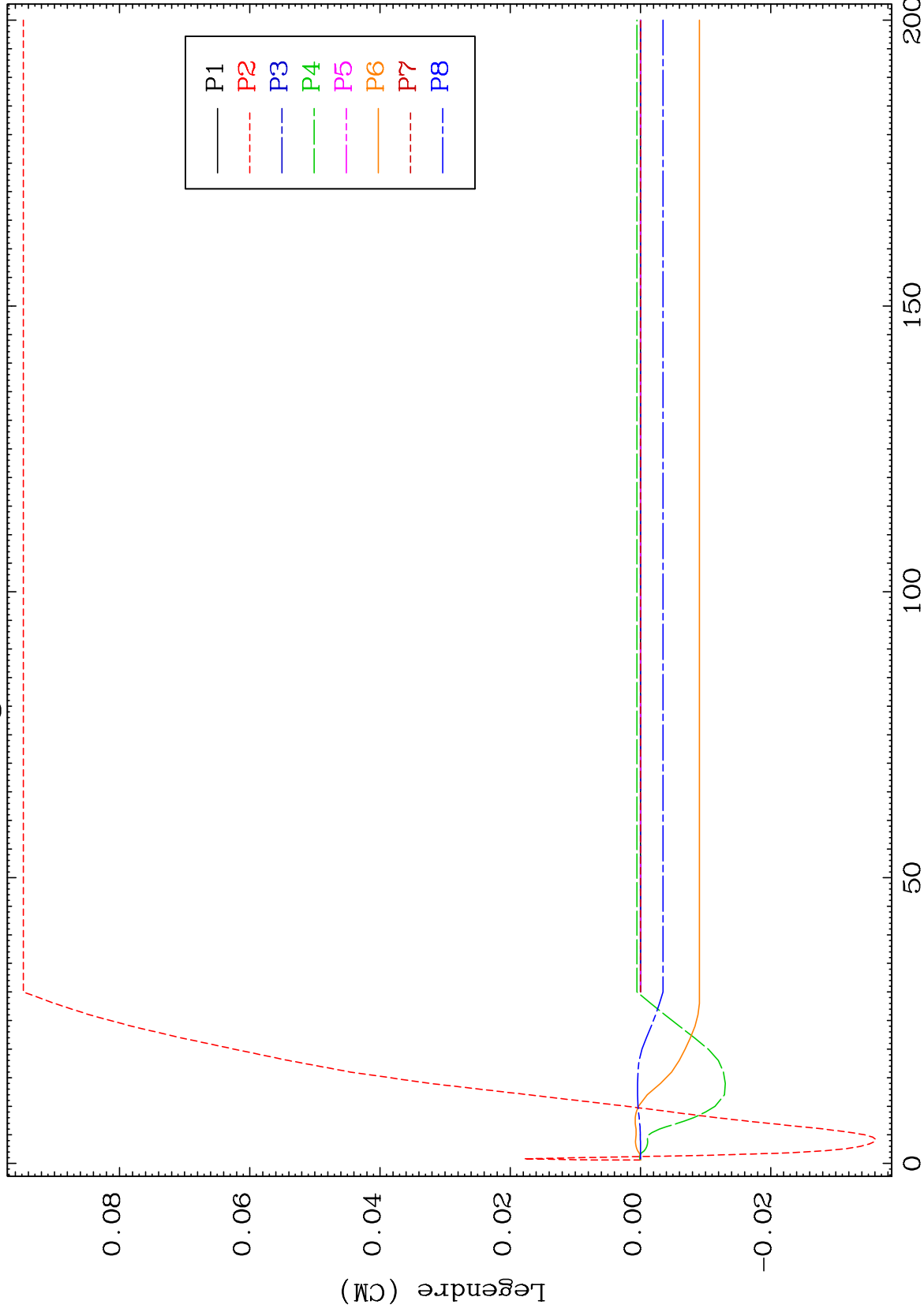
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



39

Incident Energy (MeV)

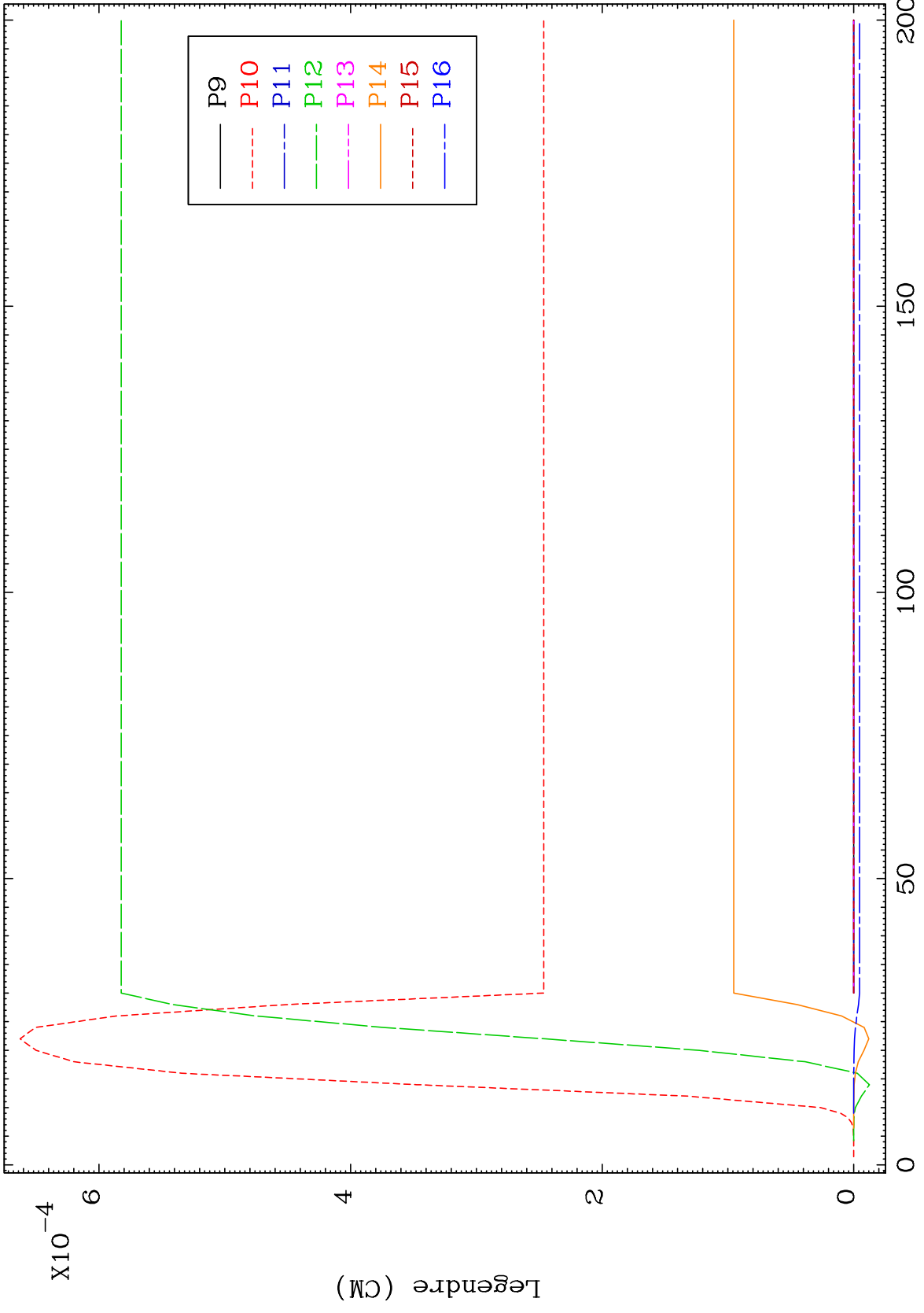
34-Se-77



MAT 3434

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

34-Se-77



40

50

100

150

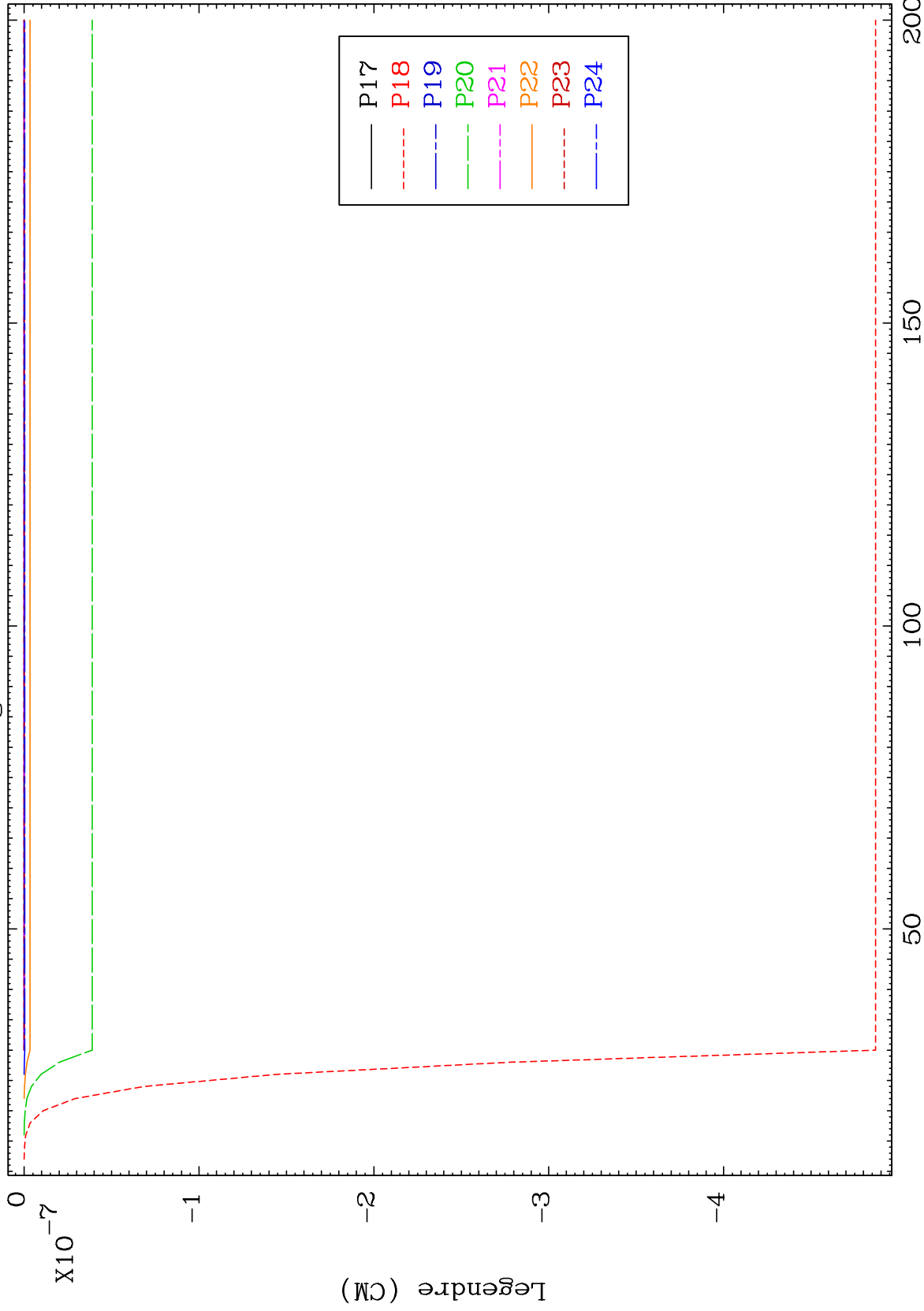
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34-Se-77

MAT 3434

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

34-Se-77



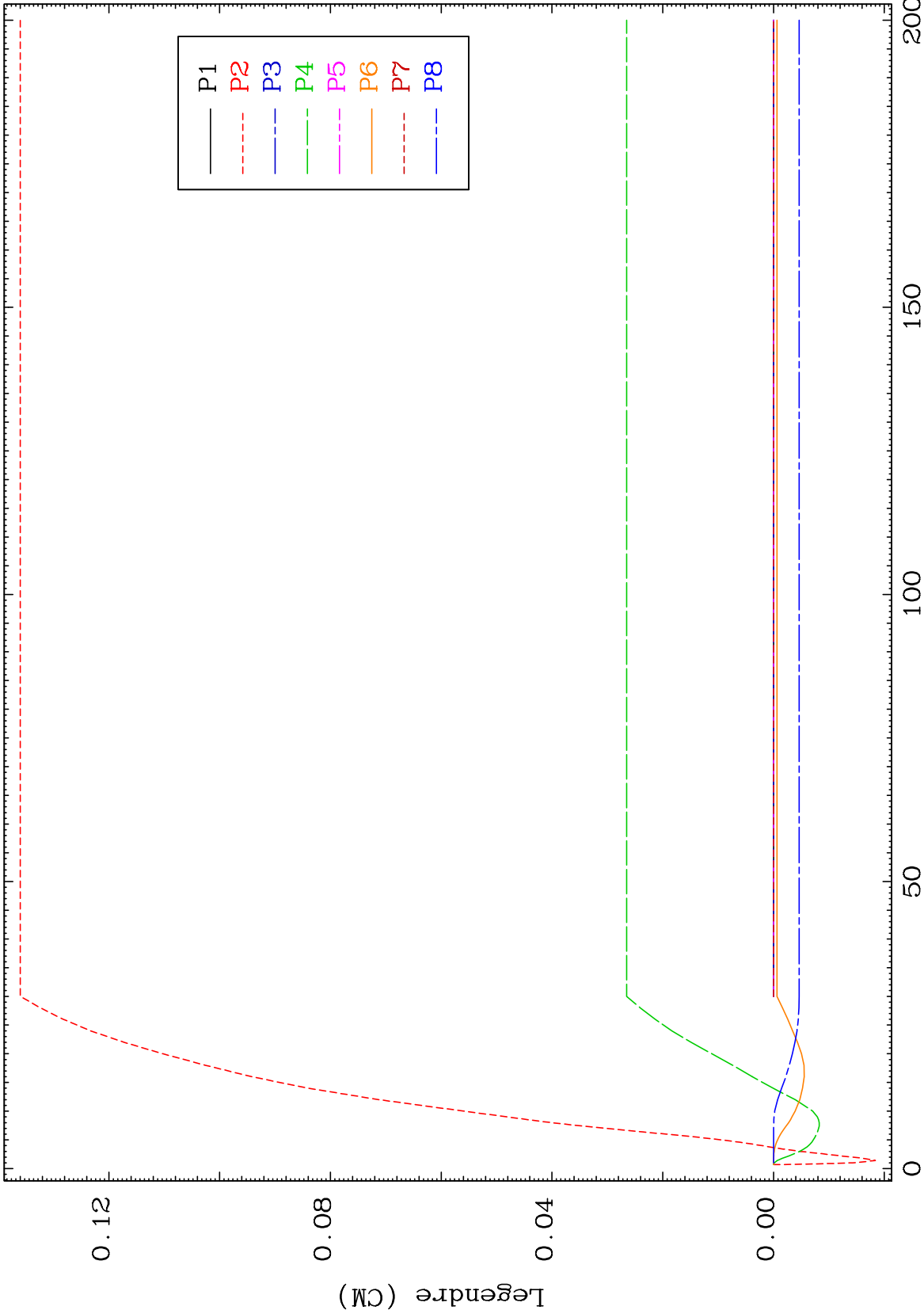
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34-Se-77

MAT 3434

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

34-Se-77



42

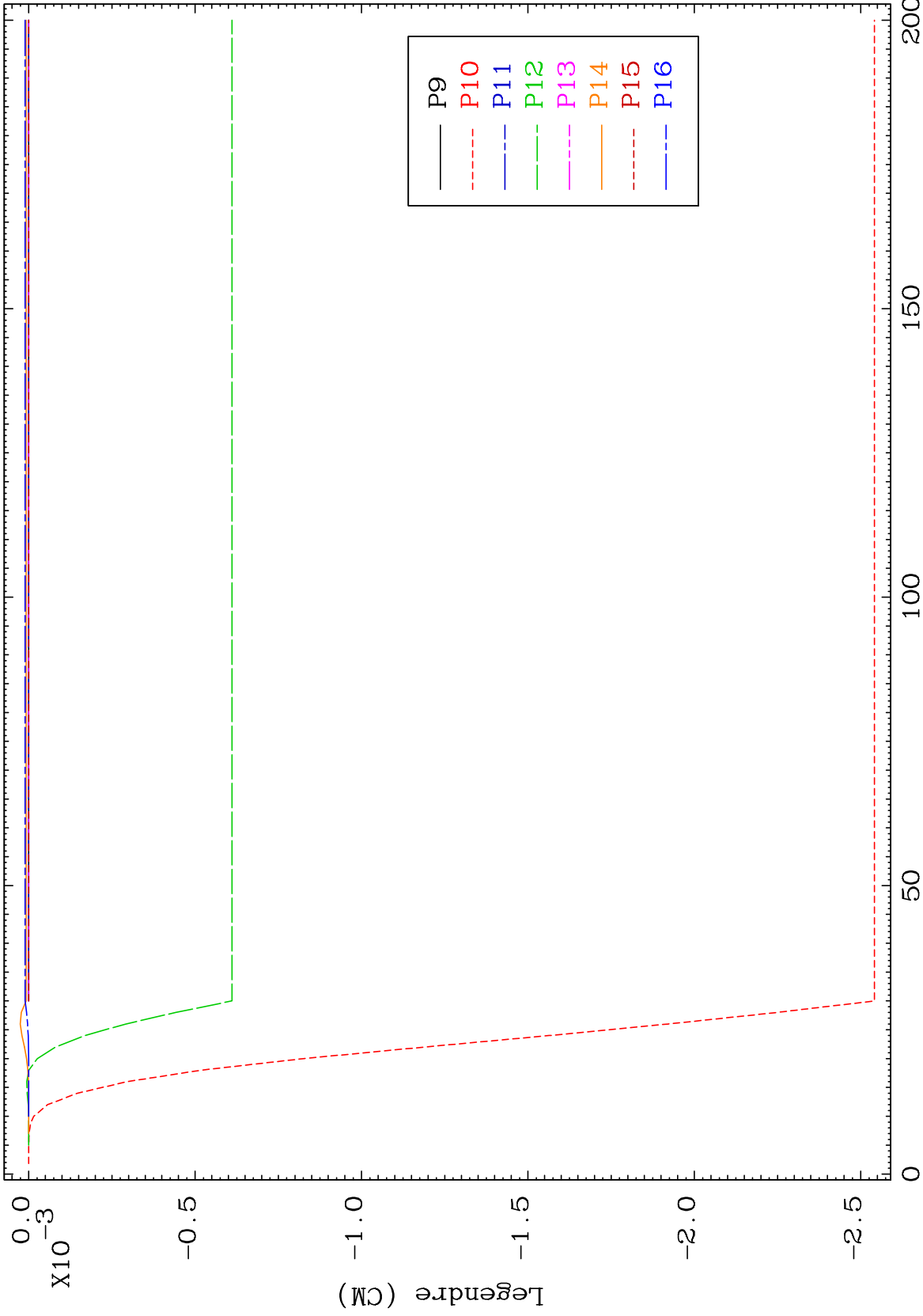
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



43

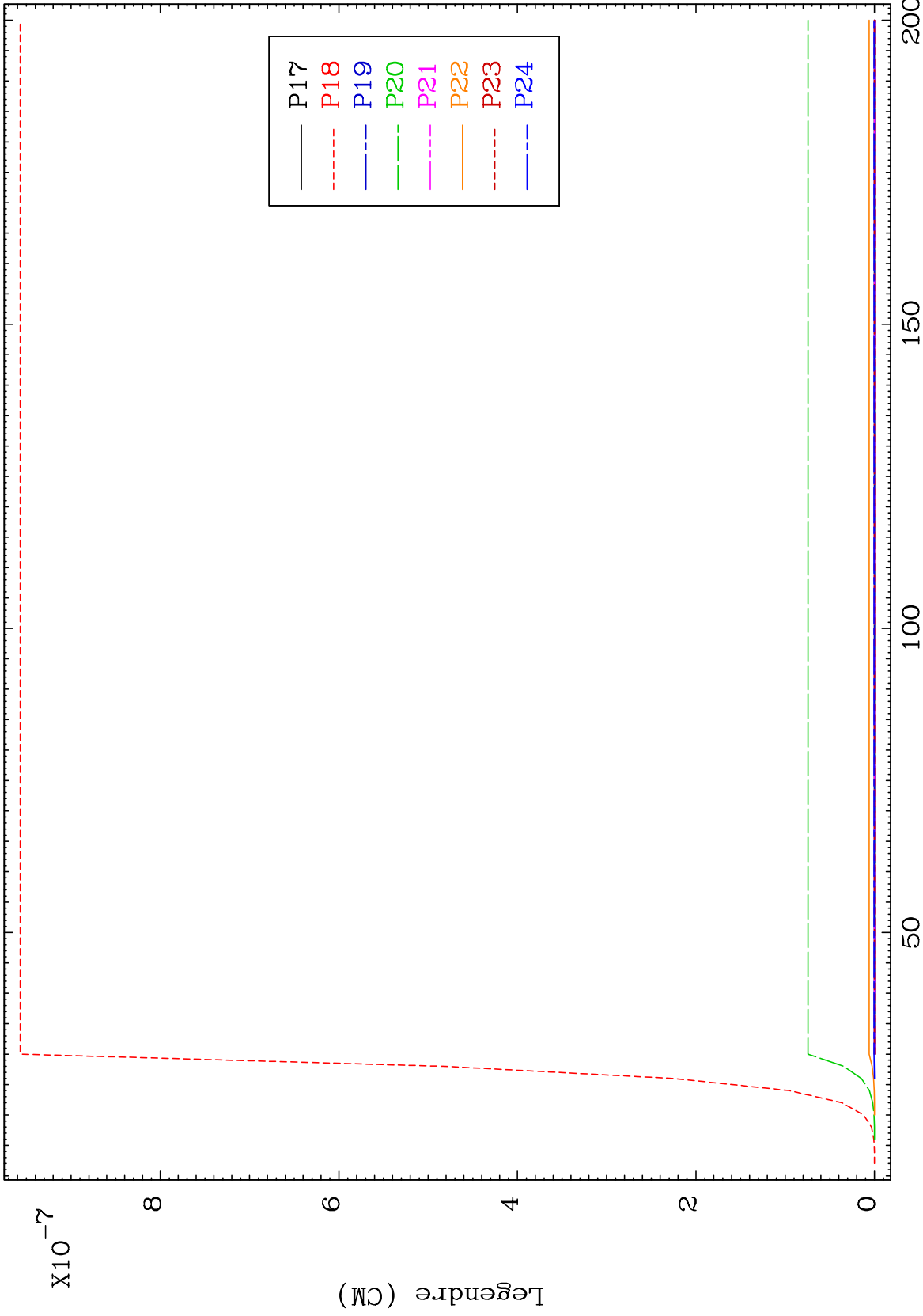
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



44

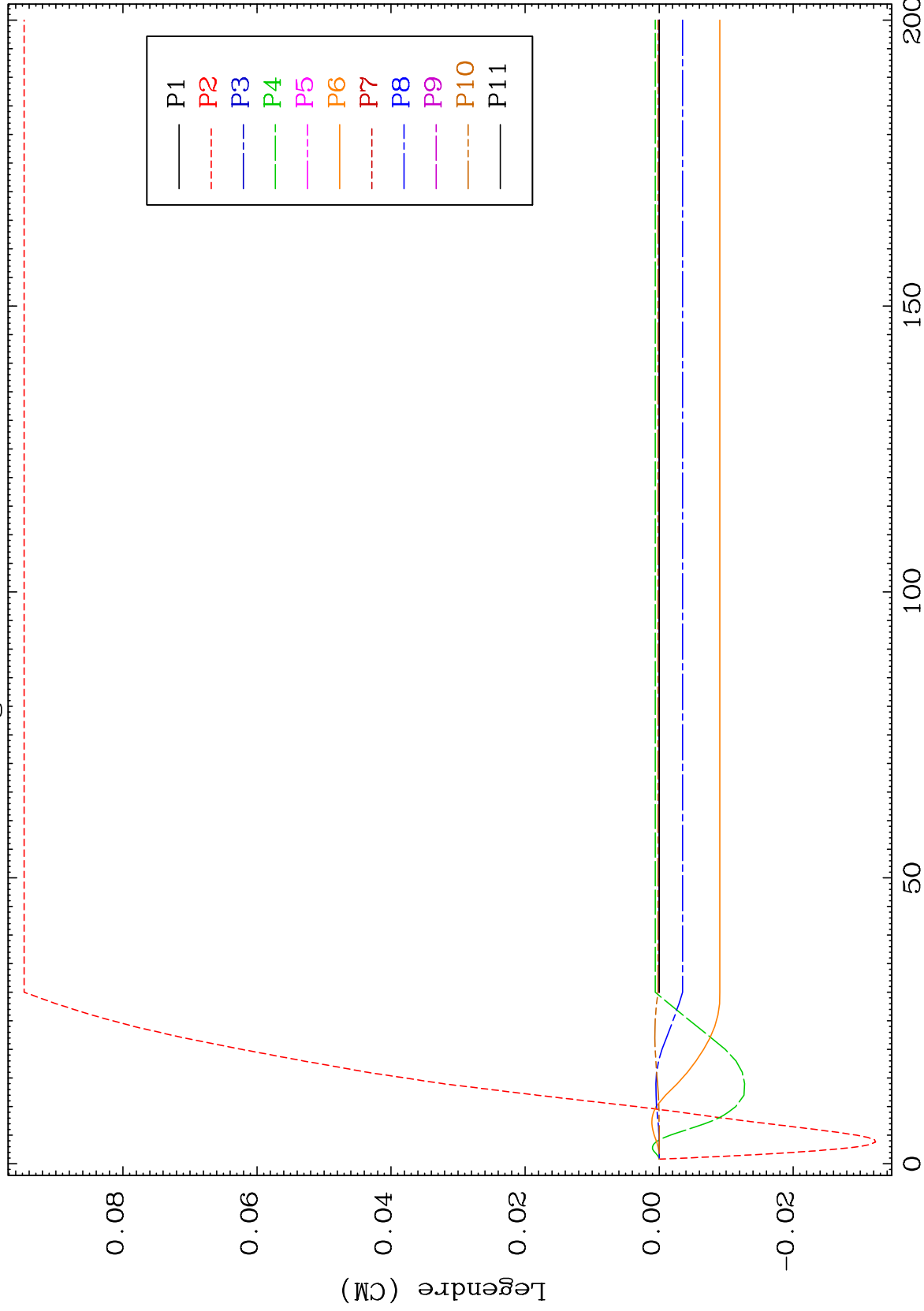
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



45

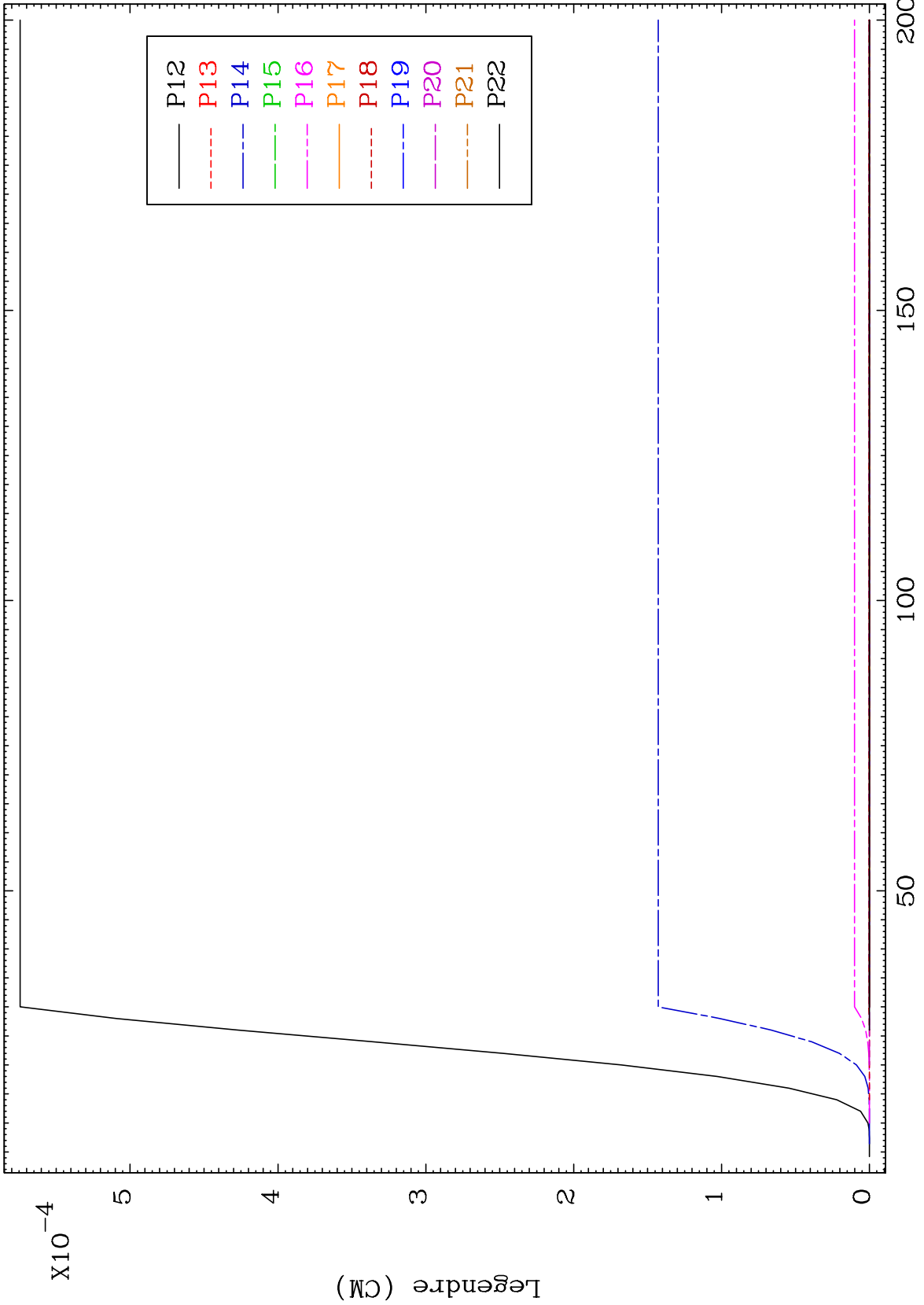
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



46

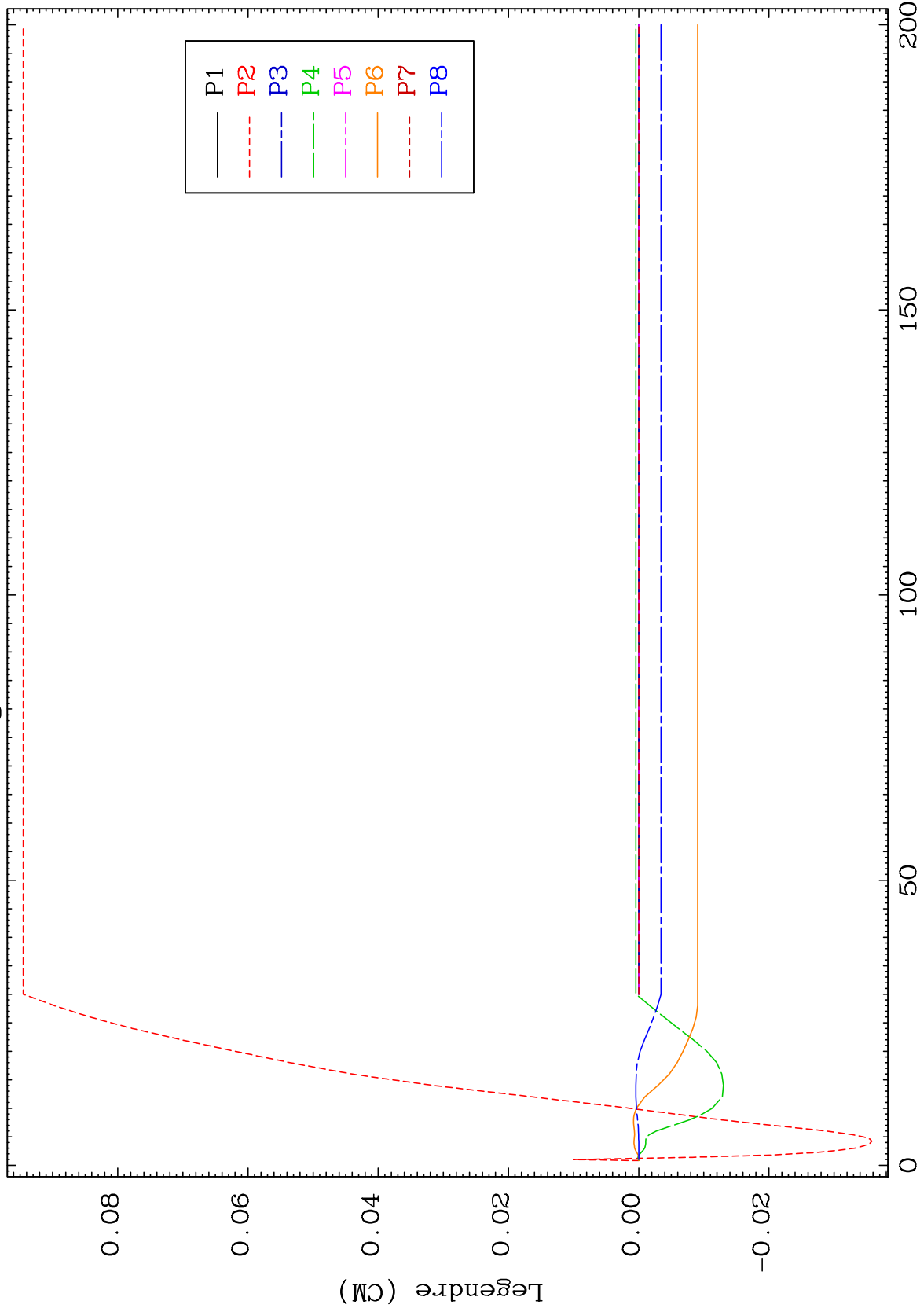
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



47

Incident Energy (MeV)

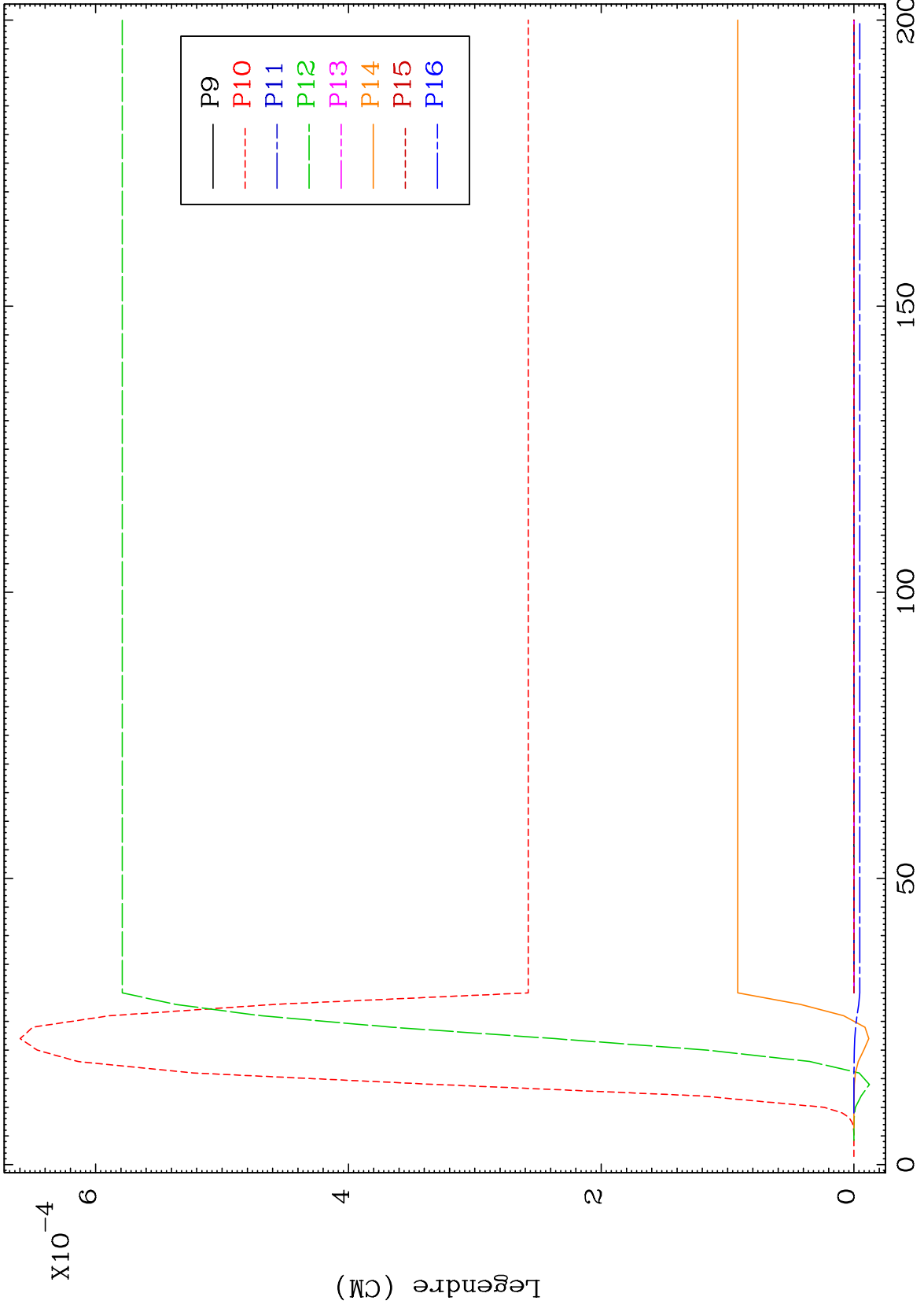
34-Se-77



MAT 3434

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

34-Se-77



48

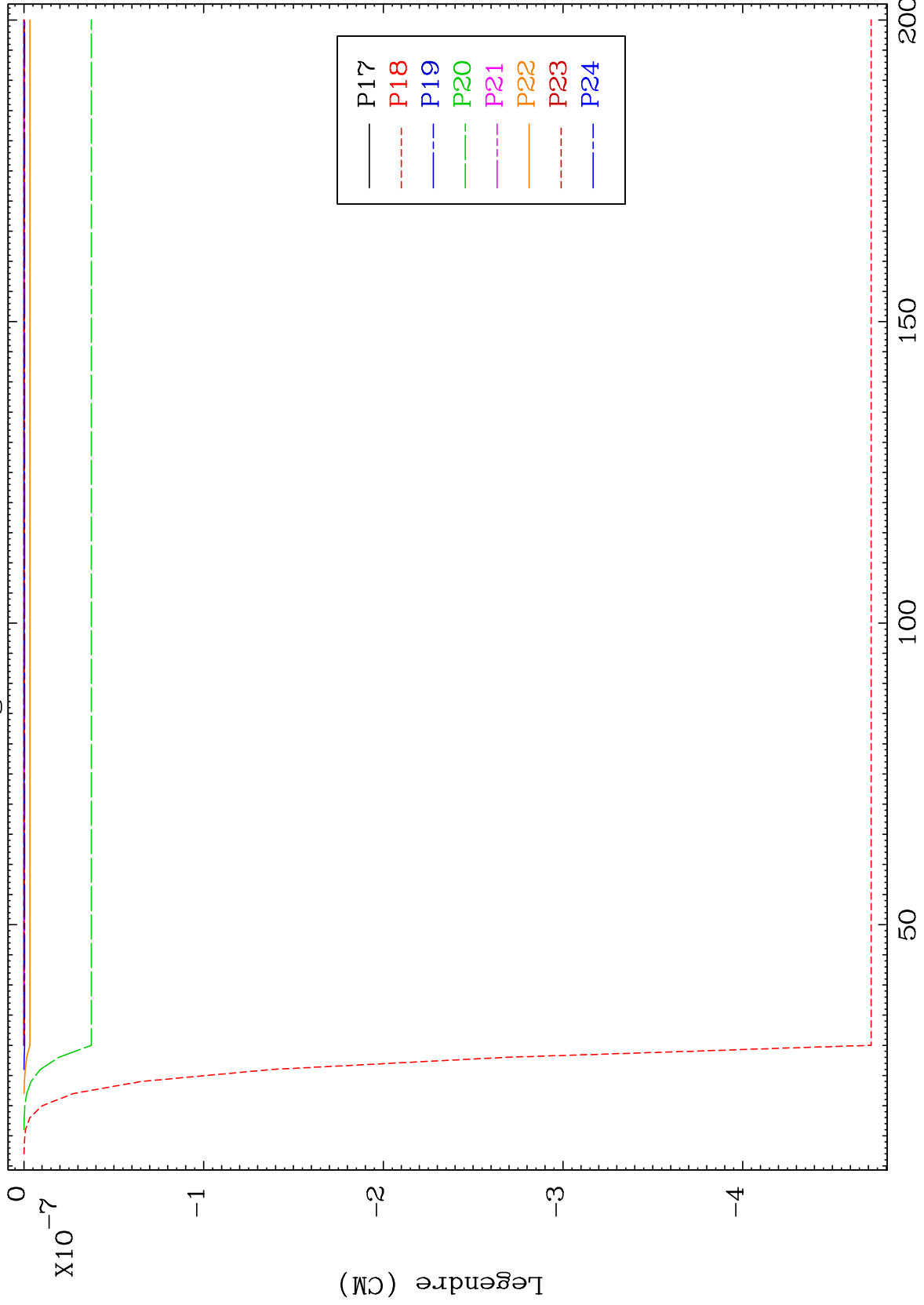
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



34-Se-77

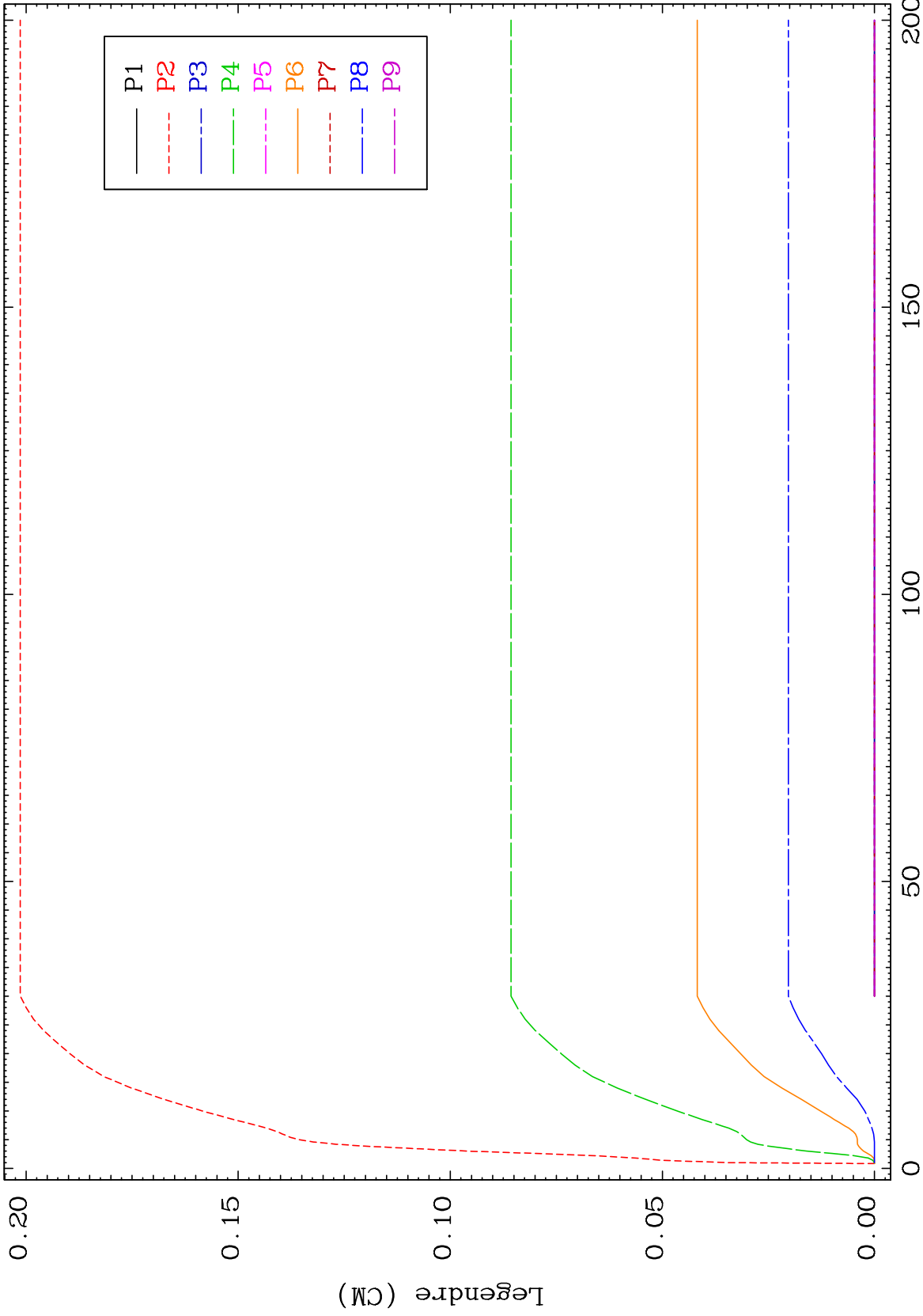
Incident Energy (MeV)

49

MAT 3434

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

34-Se-77



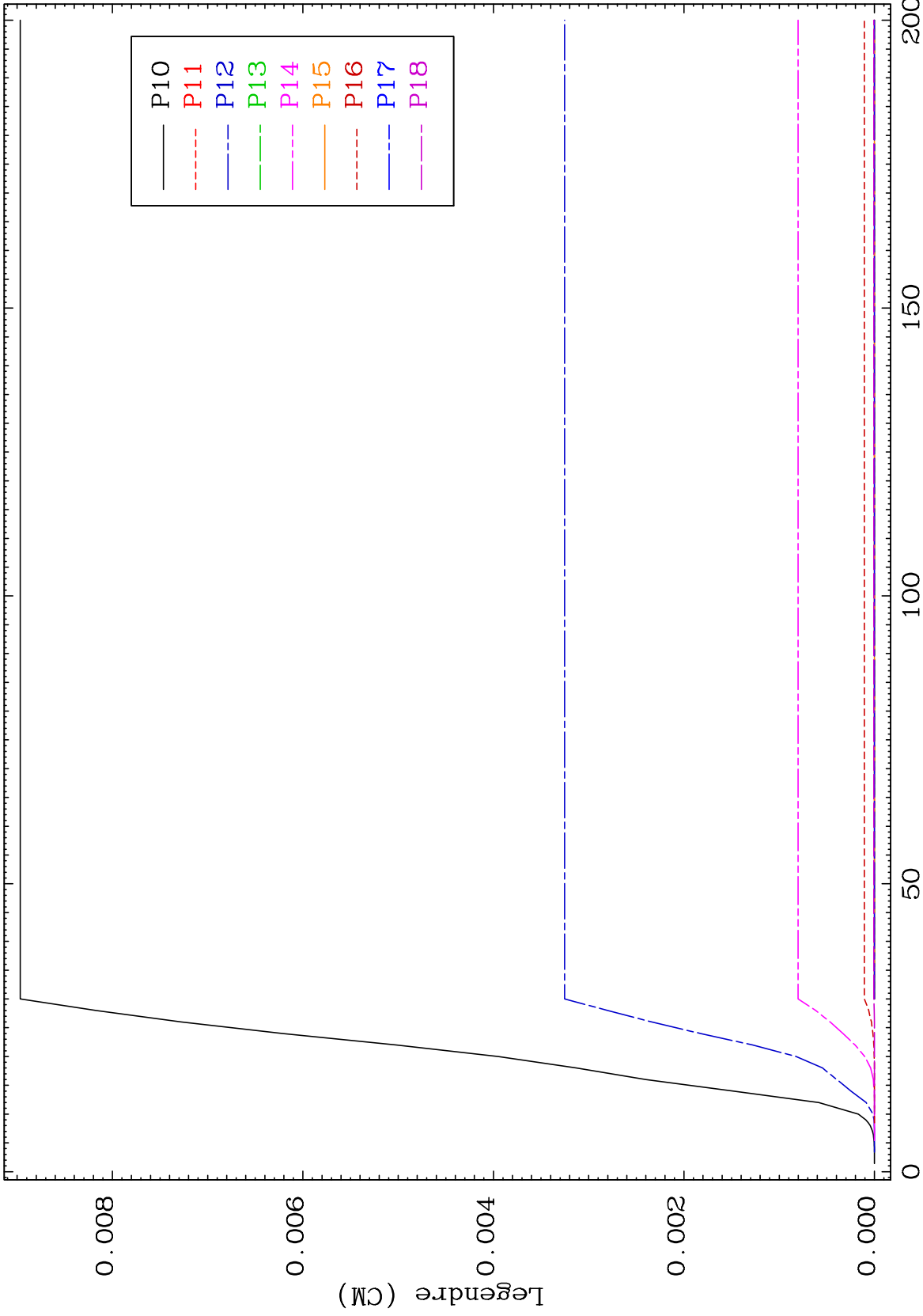
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77

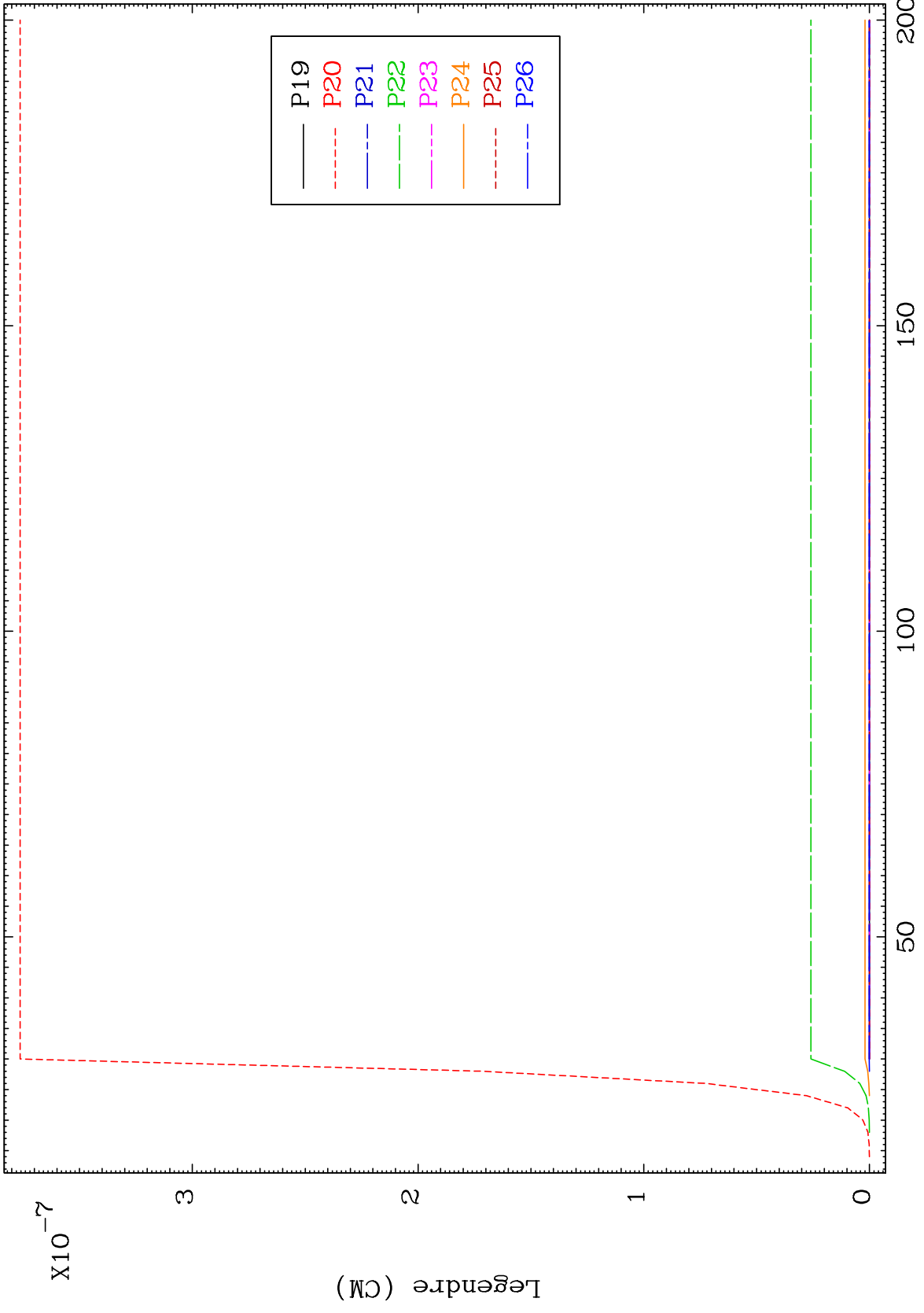


51

Incident Energy (MeV)

34-Se-77

MAT 3434 MT= 62 (n,n') Level Legendre Coefficients 34-Se-77

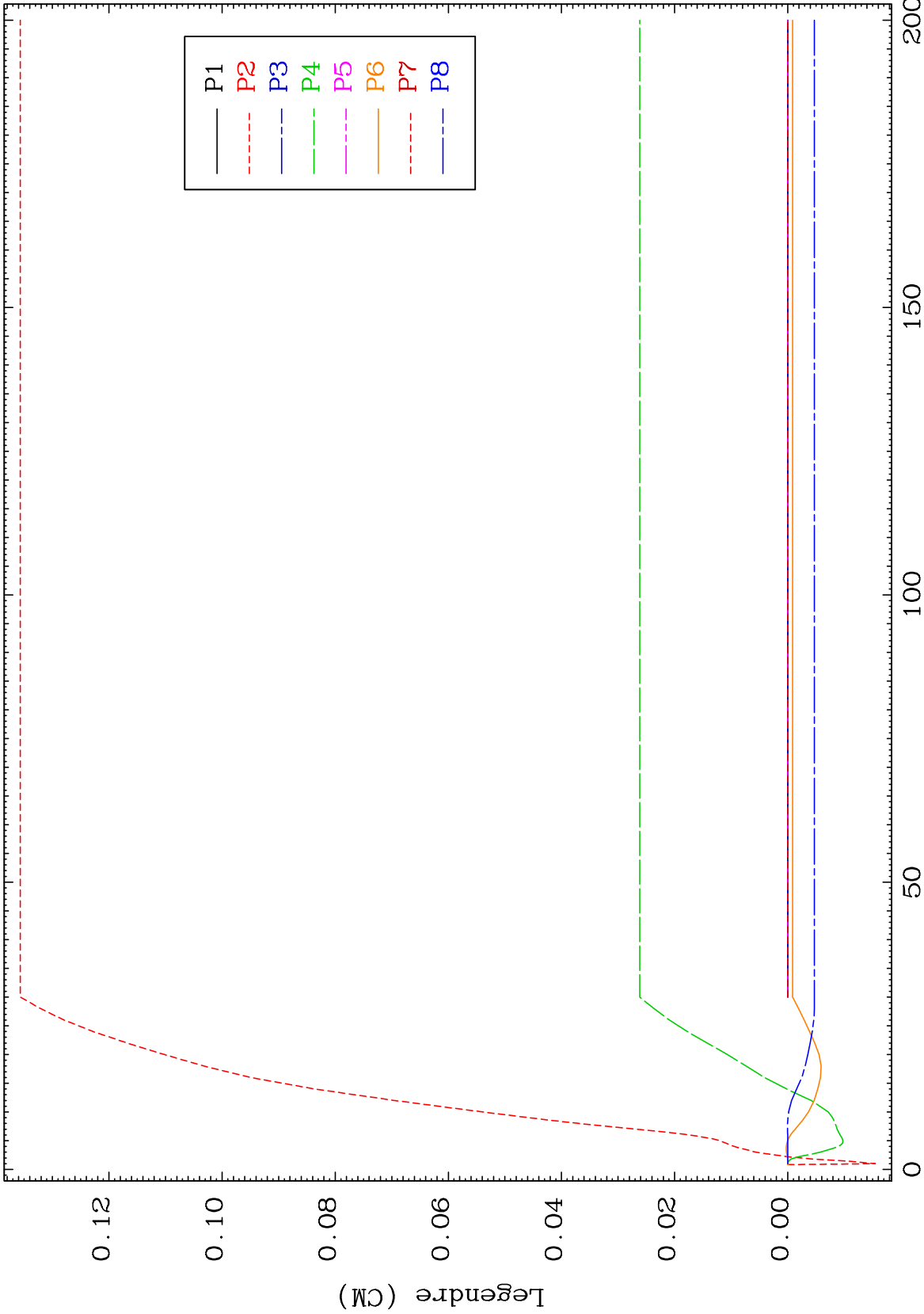


52 34-Se-77

MAT 3434

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

<sup>34</sup>Se-77



53

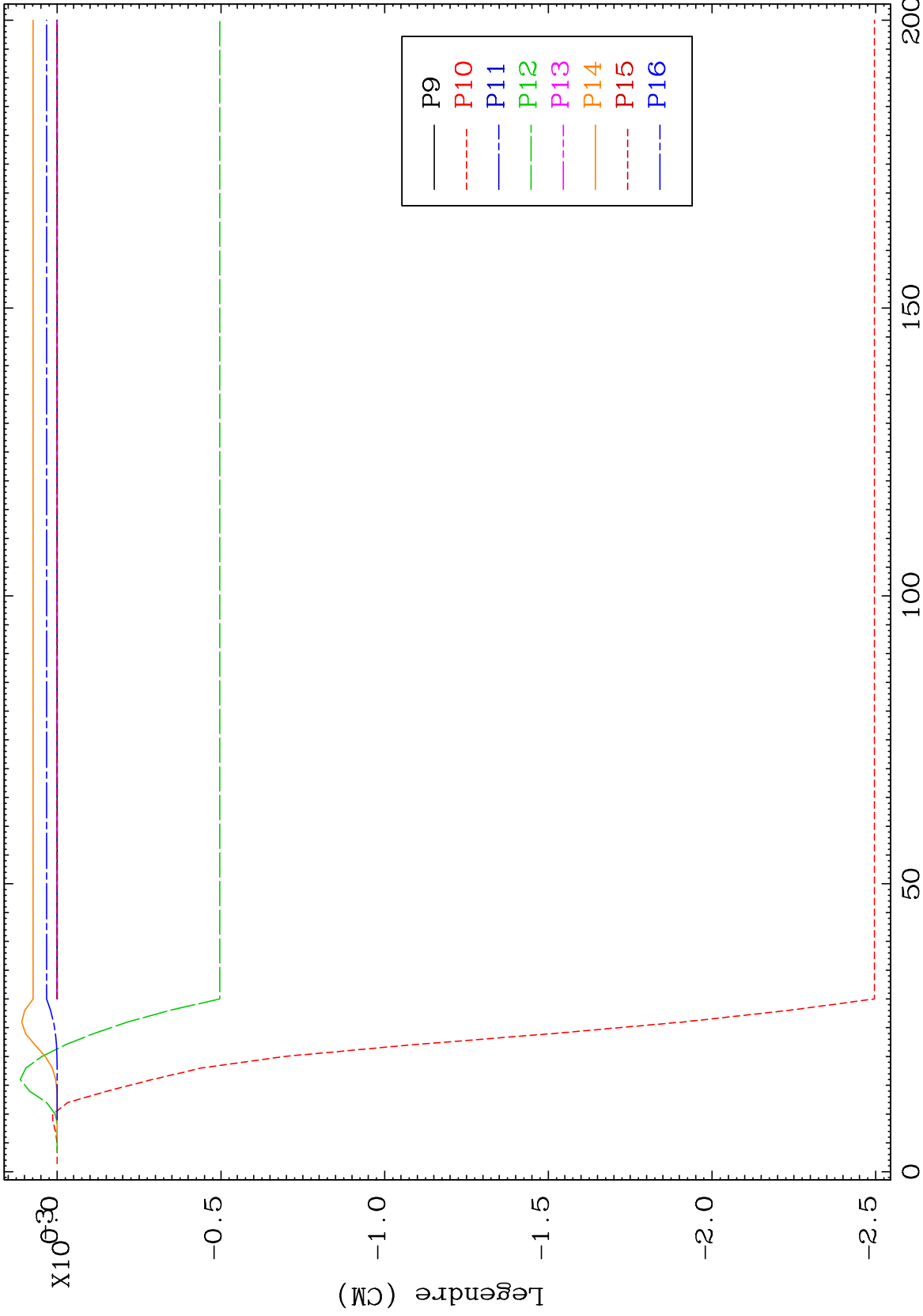
Incident Energy (MeV)

<sup>34</sup>Se-77

MAT 3434

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

34-Se-77



54

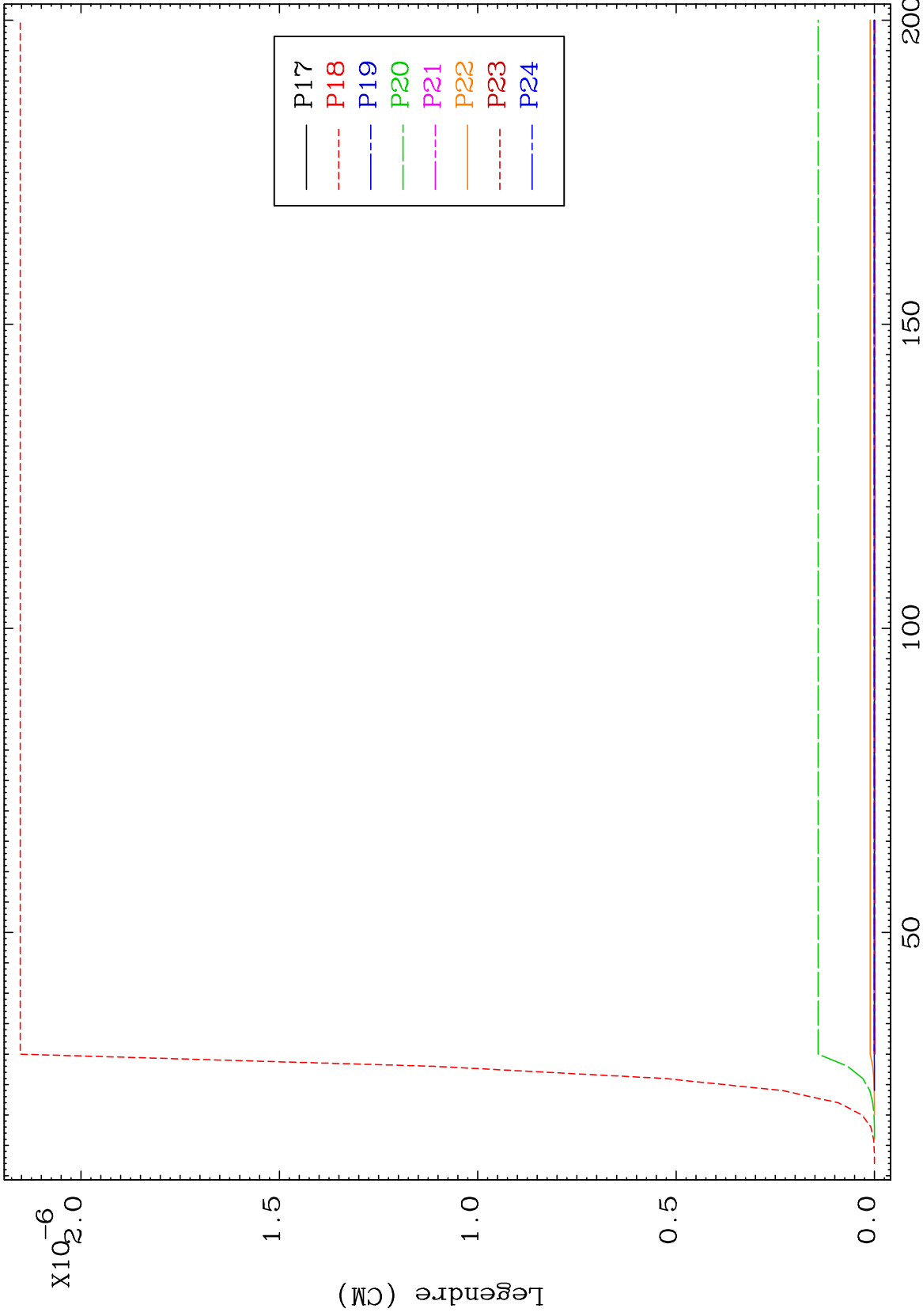
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



55

Incident Energy (MeV)

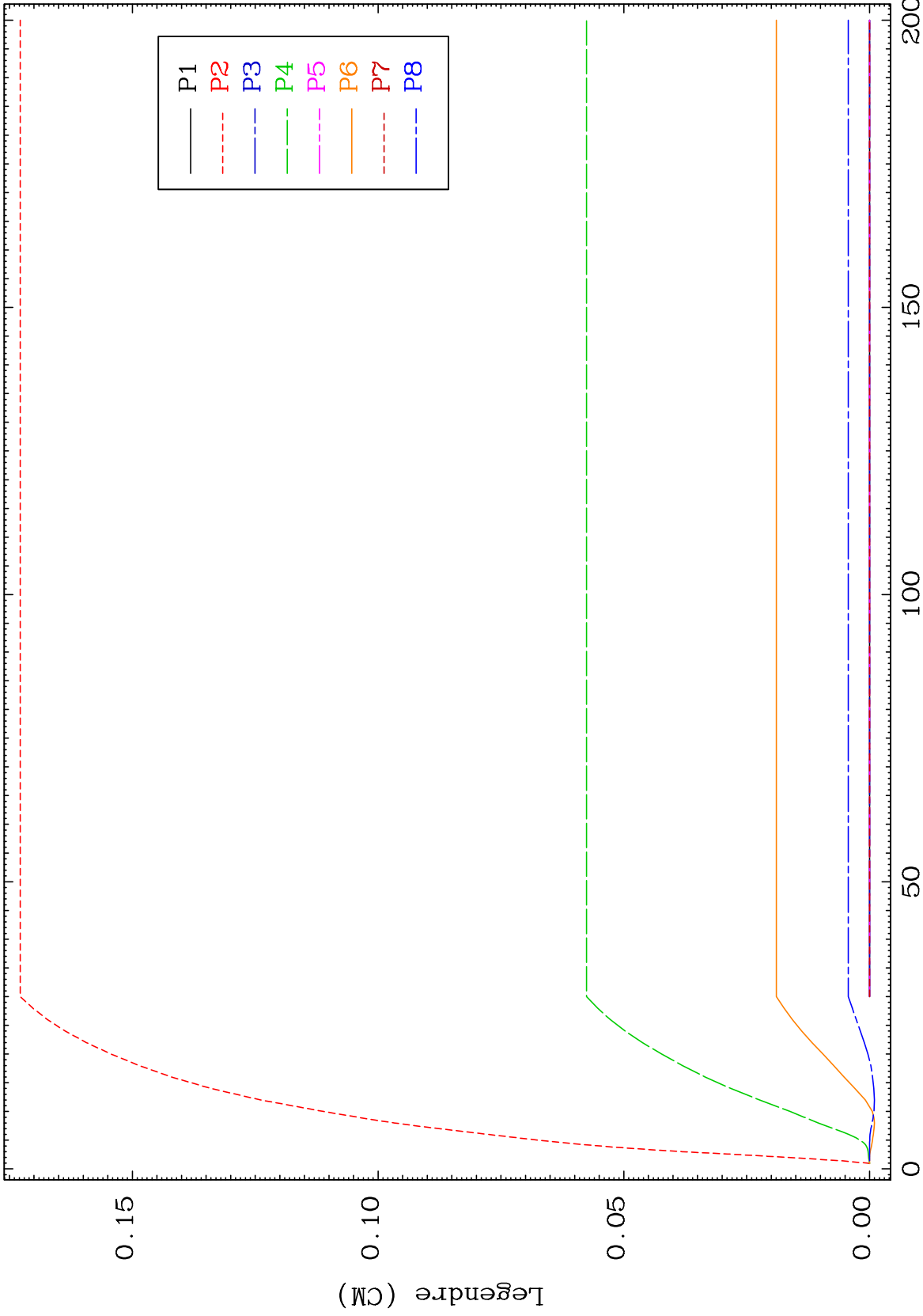
34-Se-77



MAT 3434

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

34-Se-77



56

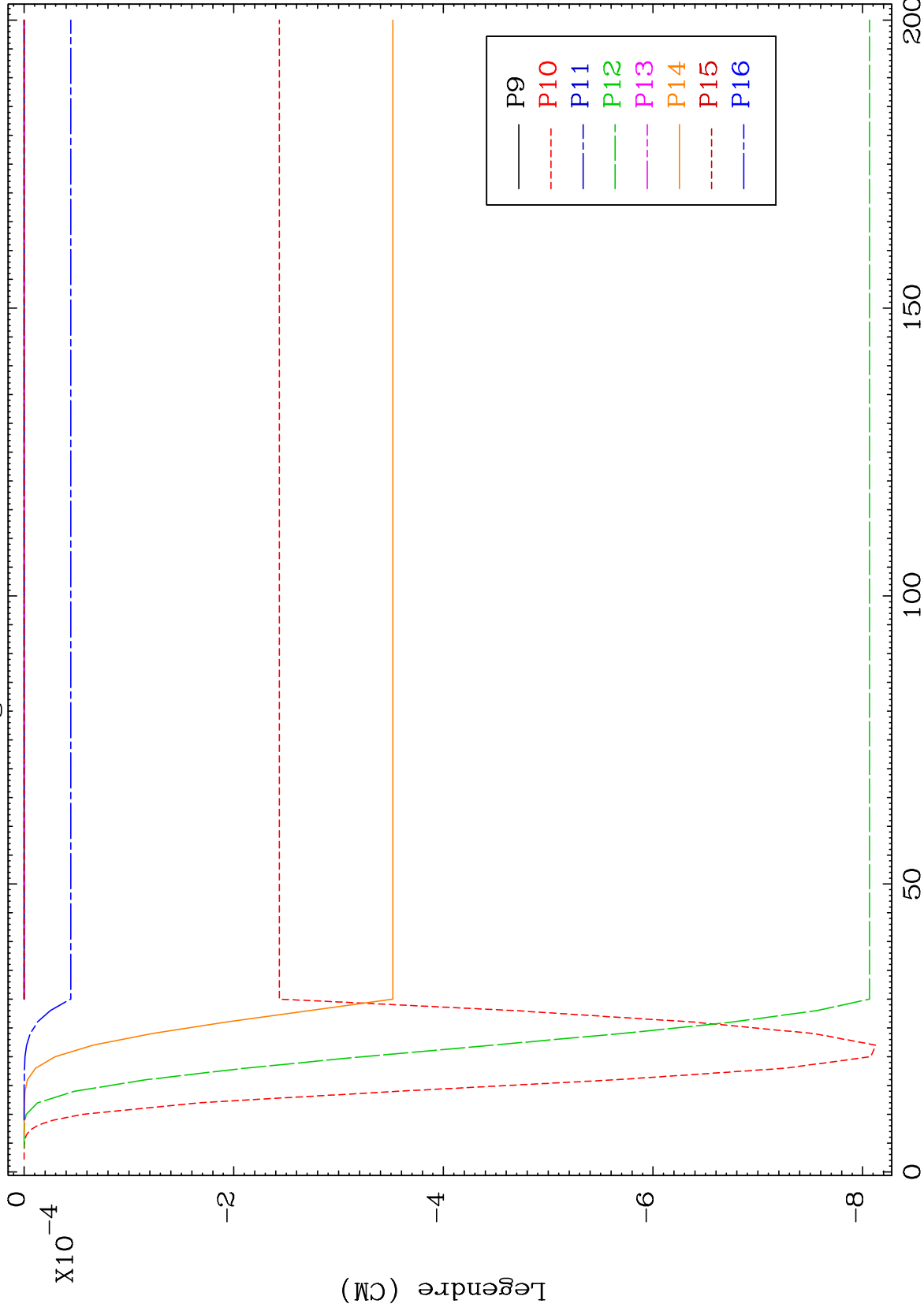
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



57

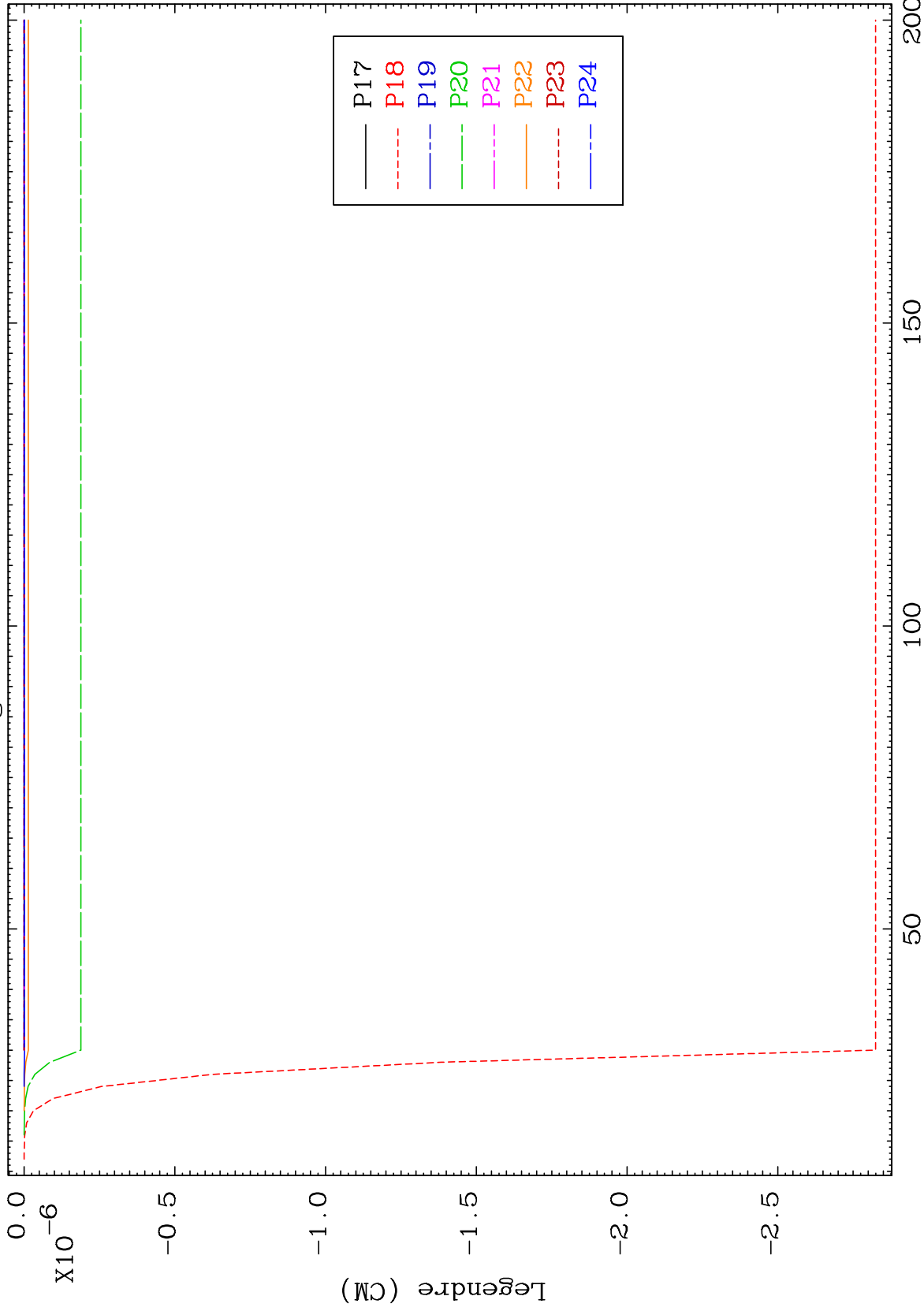
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77

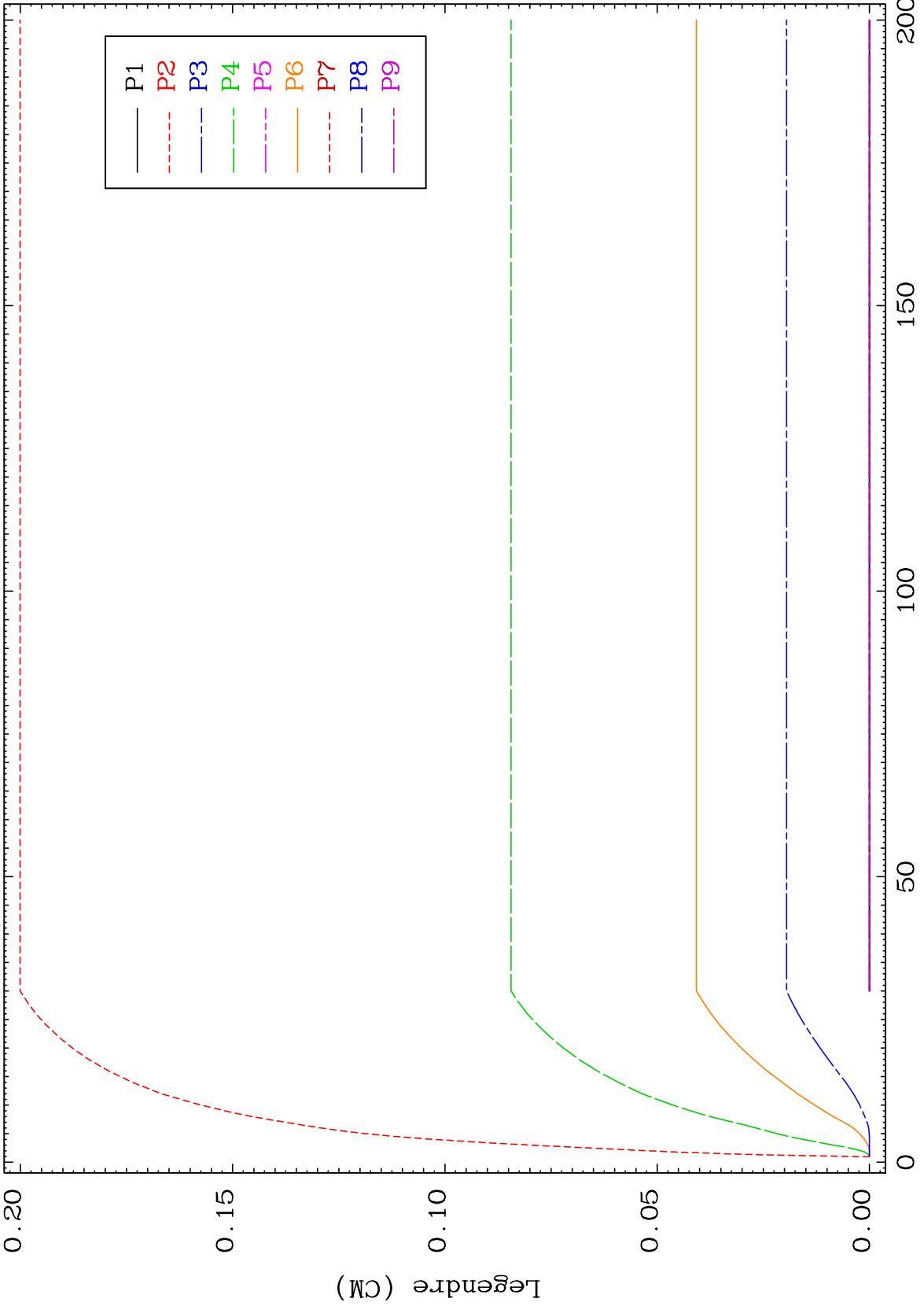


34-Se-77

Incident Energy (MeV)

58

MAT 3434 MT= 65 (n,n') Level Legendre Coefficients 34-Se-77

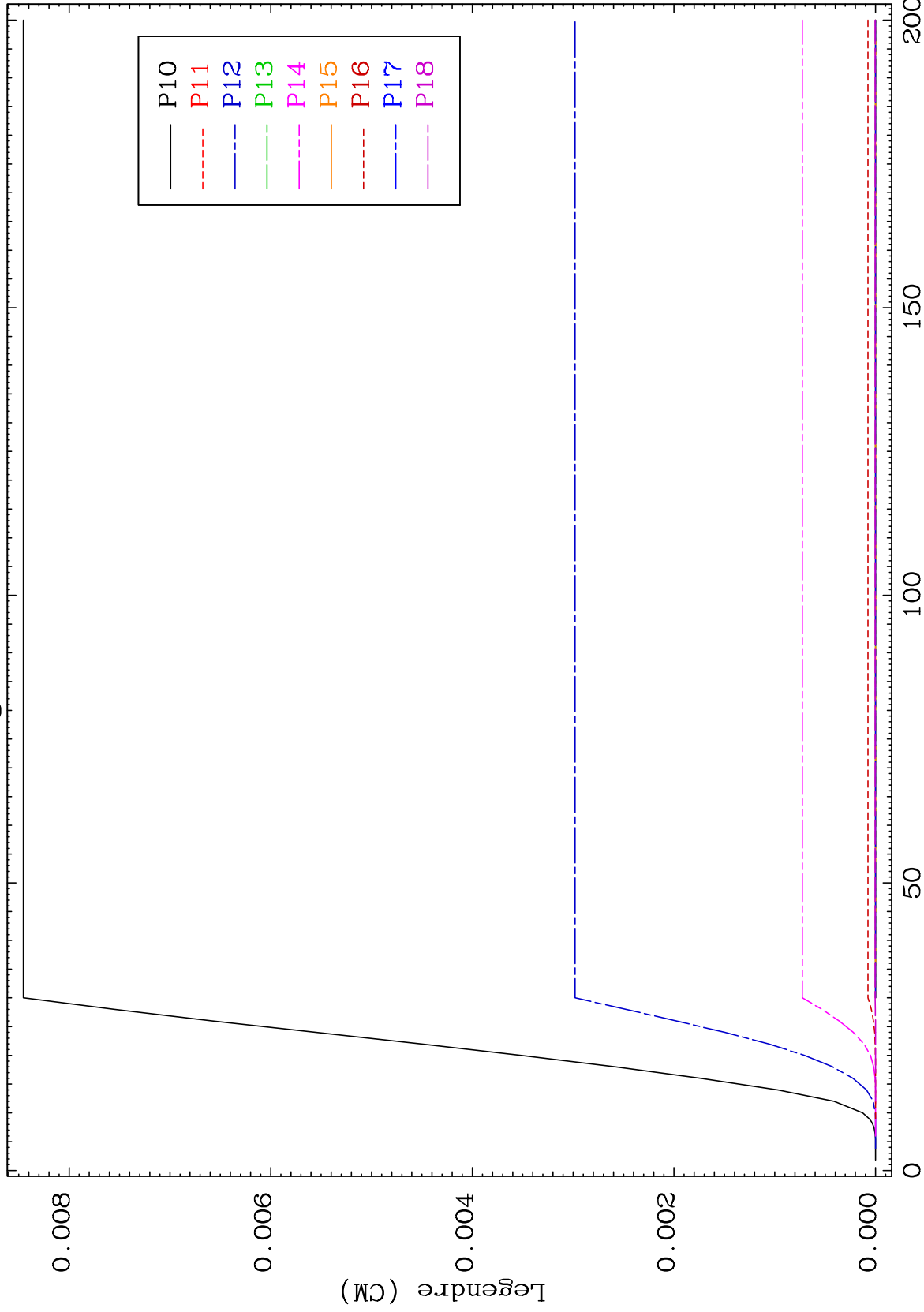


59 34-Se-77

MAT 3434

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

34-Se-77



60

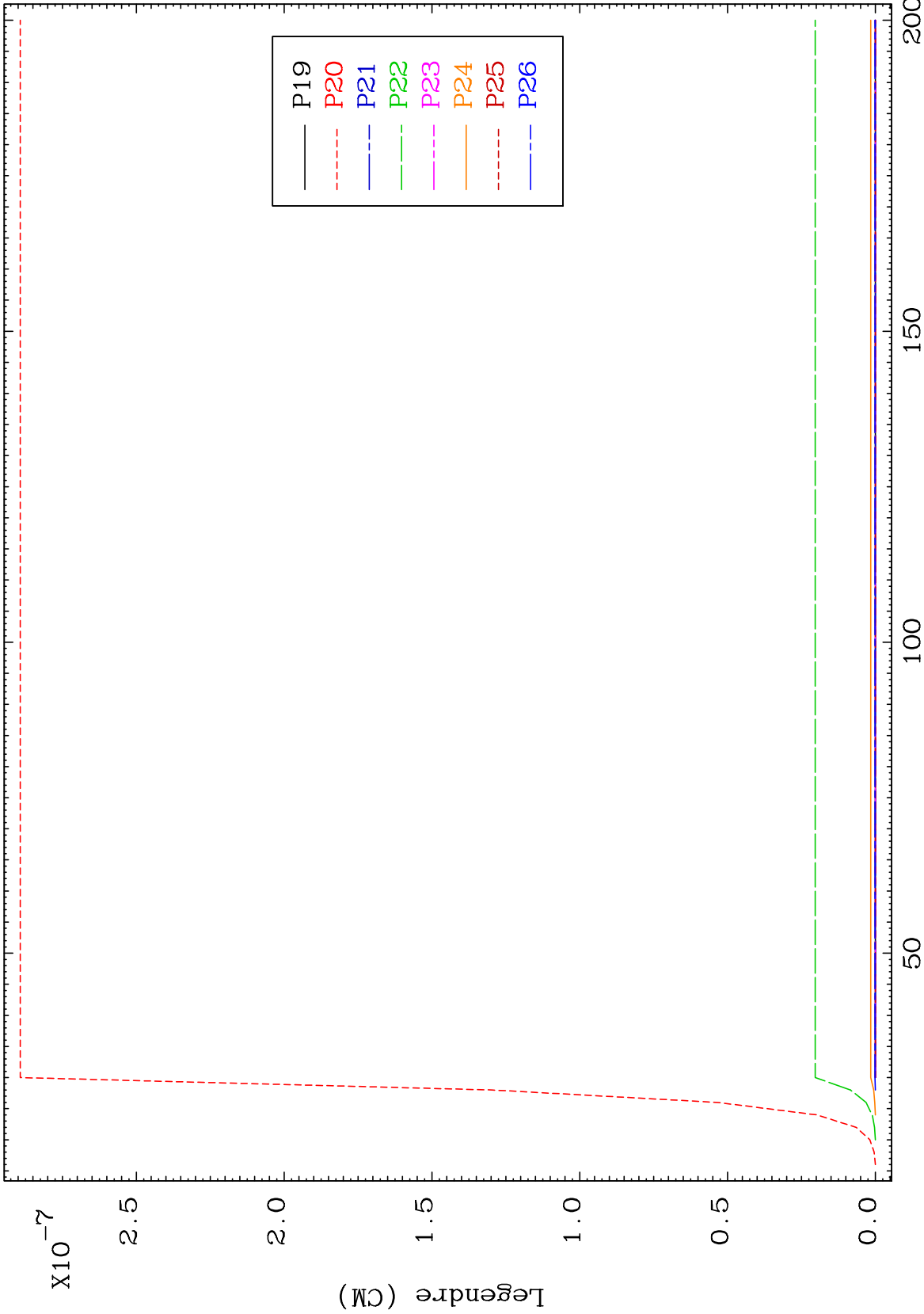
Incident Energy (MeV)

34-Se-77

MAT 3434

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

34-Se-77



61

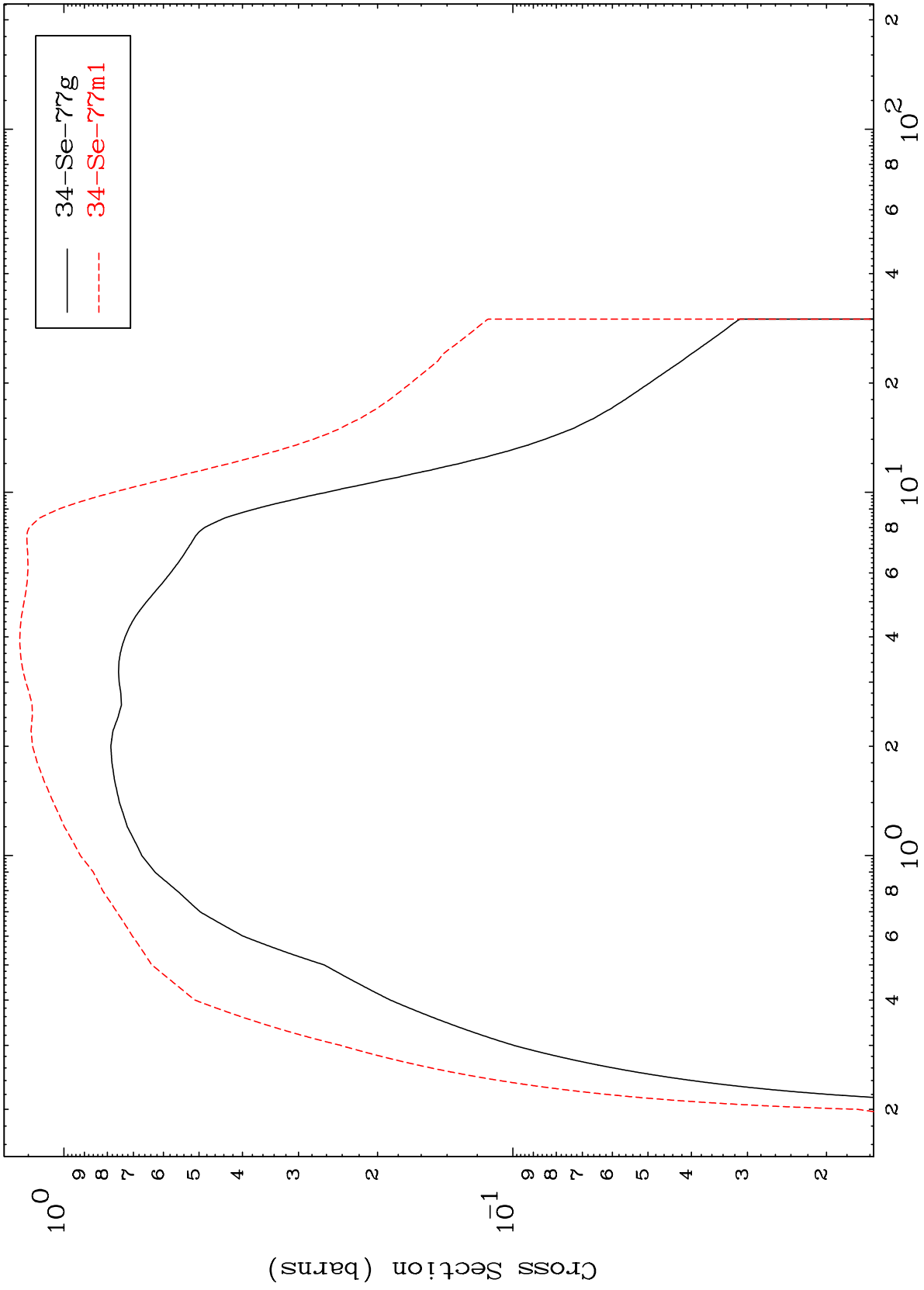
Incident Energy (MeV)

34-Se-77

MAT 3434

<sup>34</sup>Se-<sup>77</sup>

Inelastic  
Radionuclide Production Cross Section



62

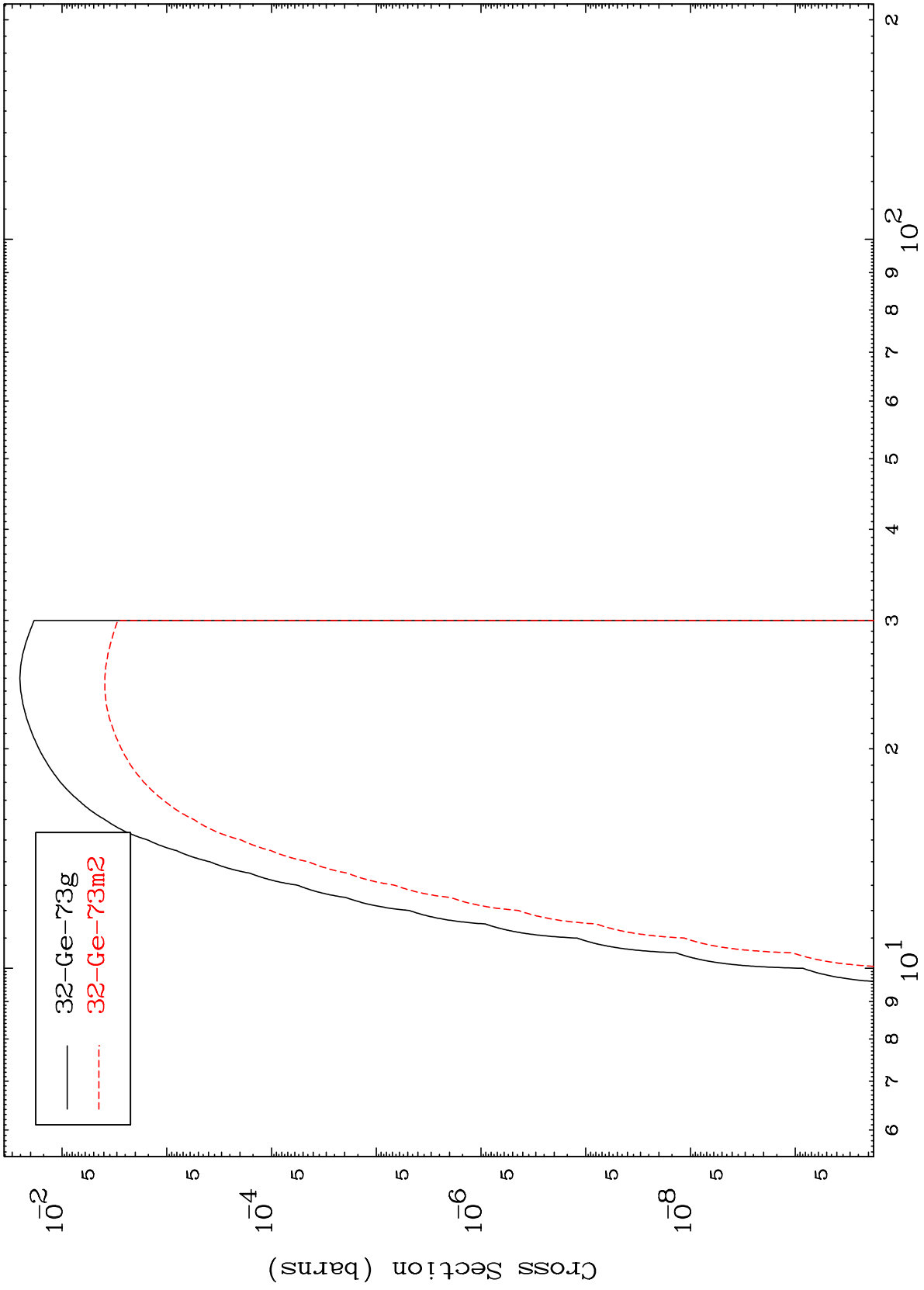
<sup>34</sup>Se-<sup>77</sup>

MAT 3434

(n,n')  $\alpha$

34-<sup>Se</sup>-77

Radionuclide Production Cross Section



63

Incident Energy (MeV)

34-<sup>Se</sup>-77

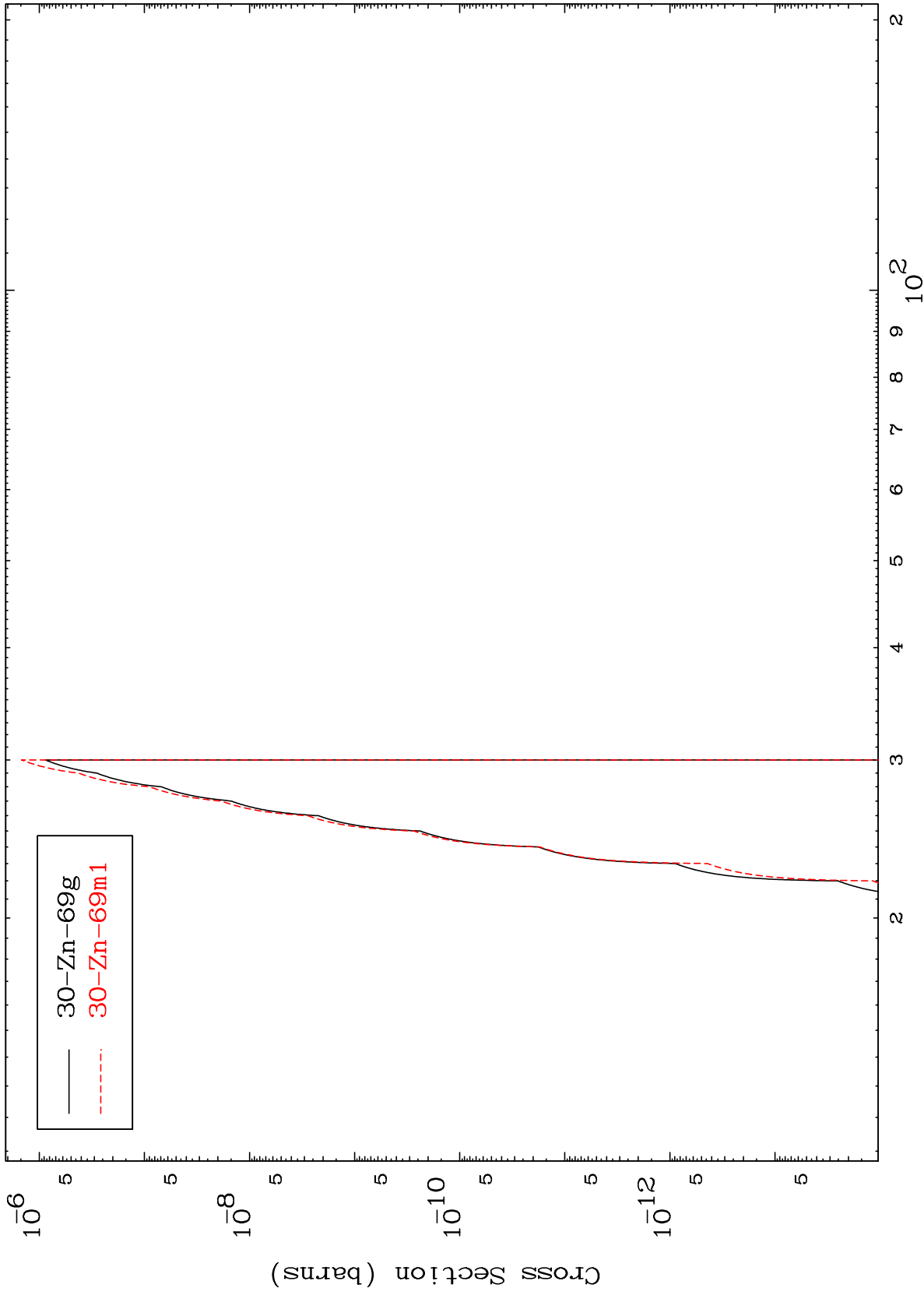


MAT 3434

(n,n') 2α

34-Se-77

Radionuclide Production Cross Section



64

Incident Energy (MeV)

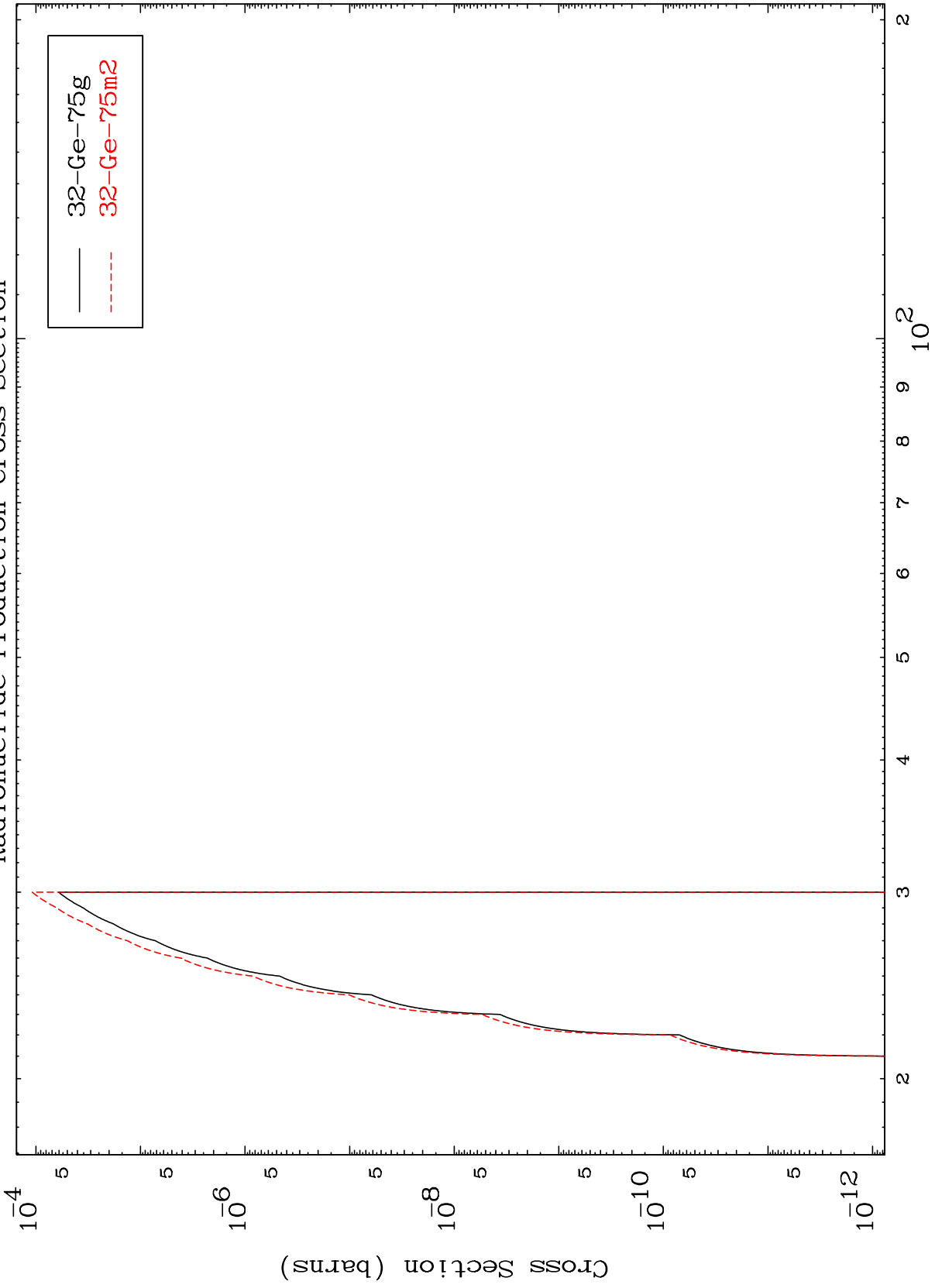
34-Se-77

MAT 3434

(n,2n) p

<sup>34</sup>Se-77

Radionuclide Production Cross Section



65

Incident Energy (MeV)

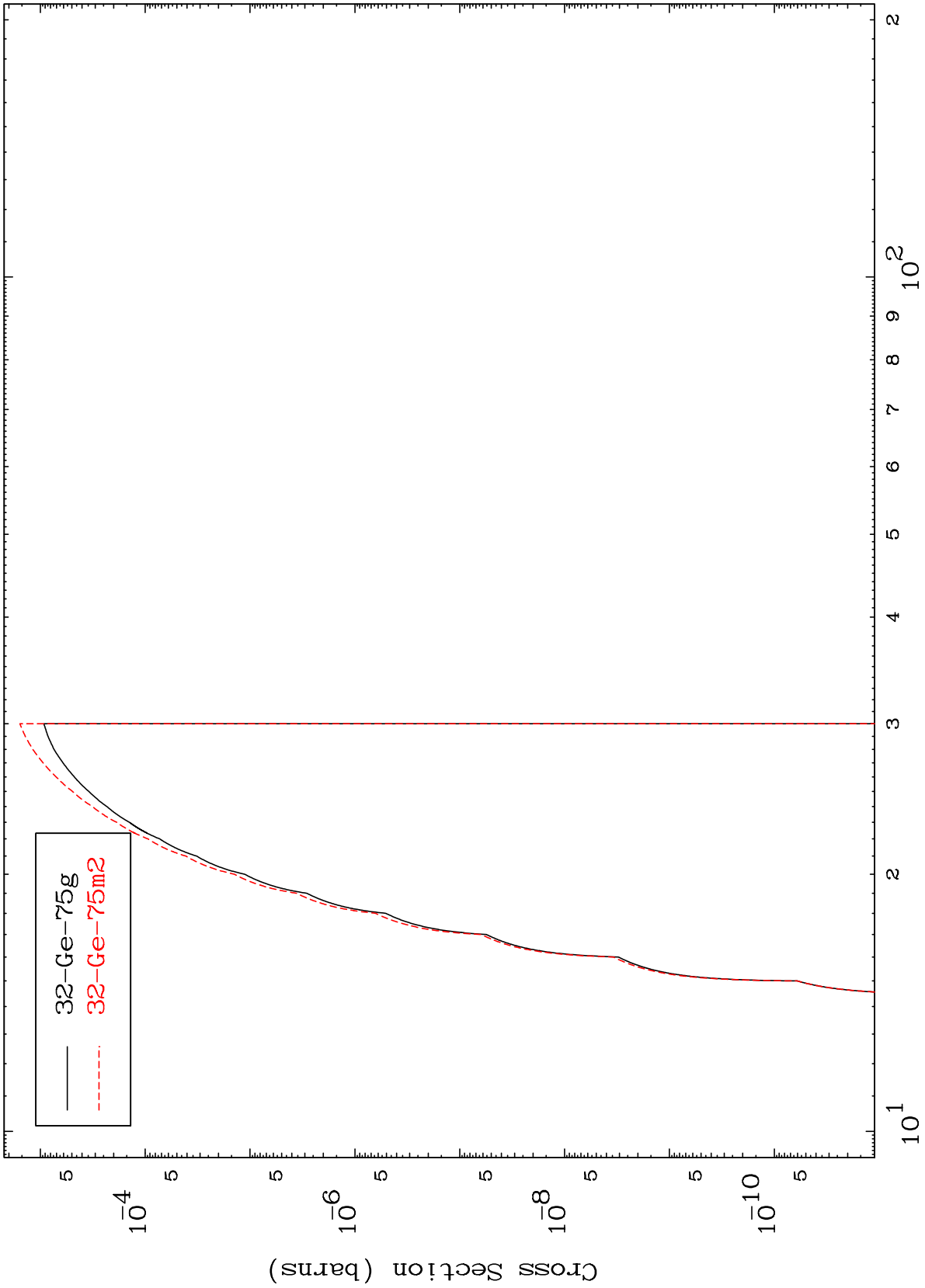
<sup>34</sup>Se-77

MAT 3434

(n, He-3)

<sup>34</sup>Se-77

Radionuclide Production Cross Section



32-Ge-75g  
32-Ge-75m2

66

Incident Energy (MeV)

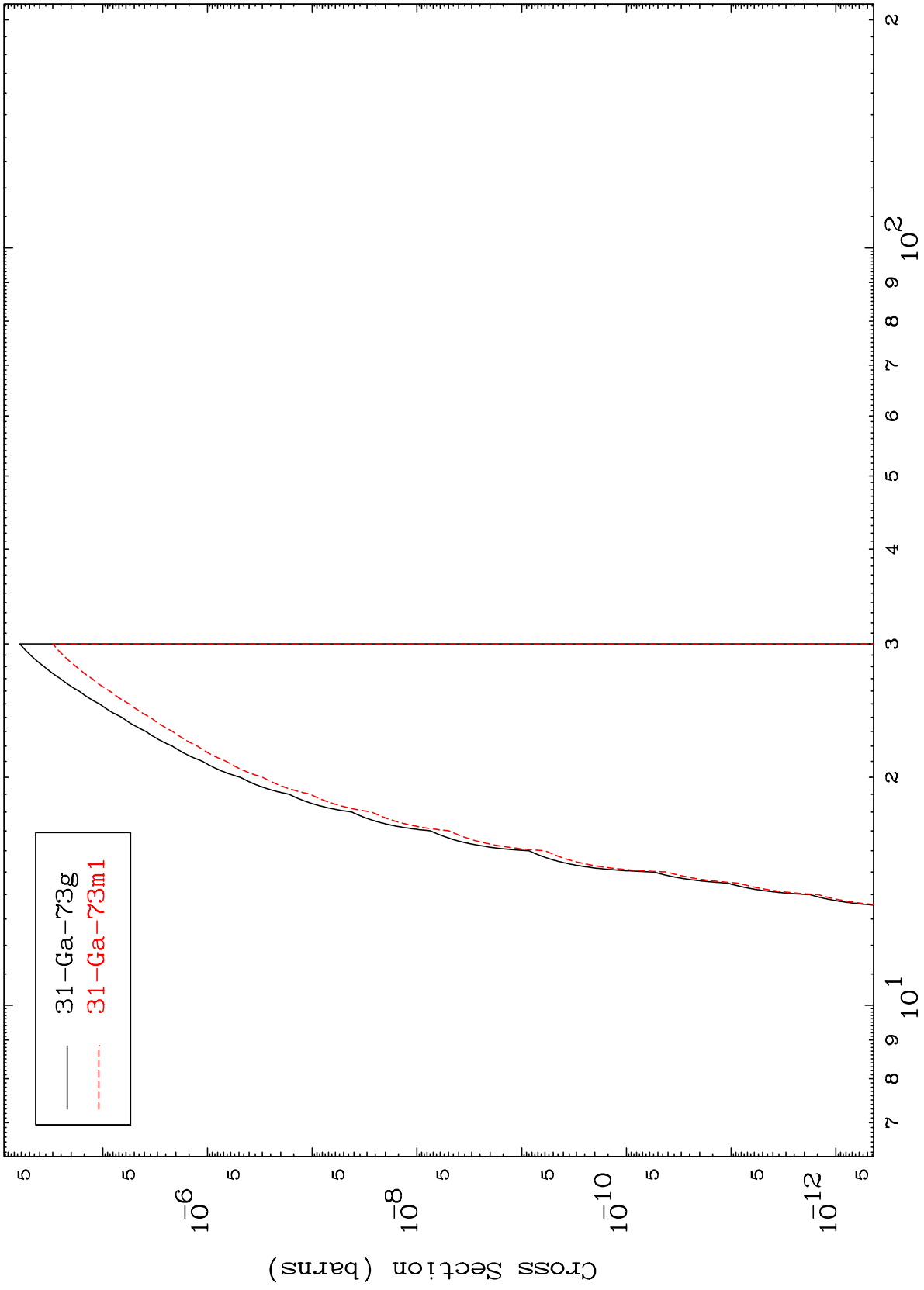
<sup>34</sup>Se-77

MAT 3434

(n,p)  $\alpha$

<sup>34</sup>Se-77

Radionuclide Production Cross Section



67

Incident Energy (MeV)

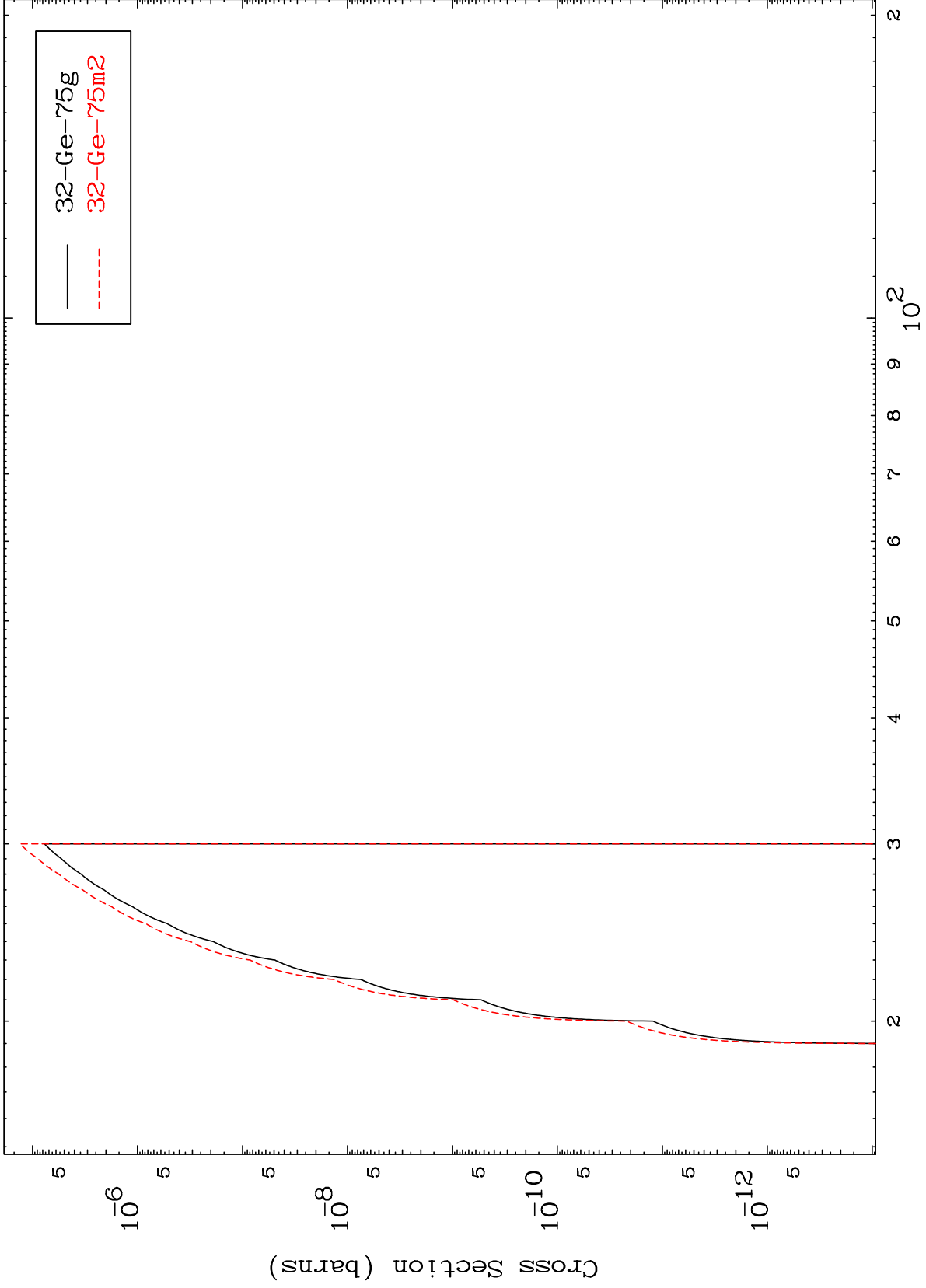
<sup>34</sup>Se-77

MAT 3434

(n,p) d

<sup>34</sup>Se-77

Radionuclide Production Cross Section



68

Incident Energy (MeV)

<sup>34</sup>Se-77