

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

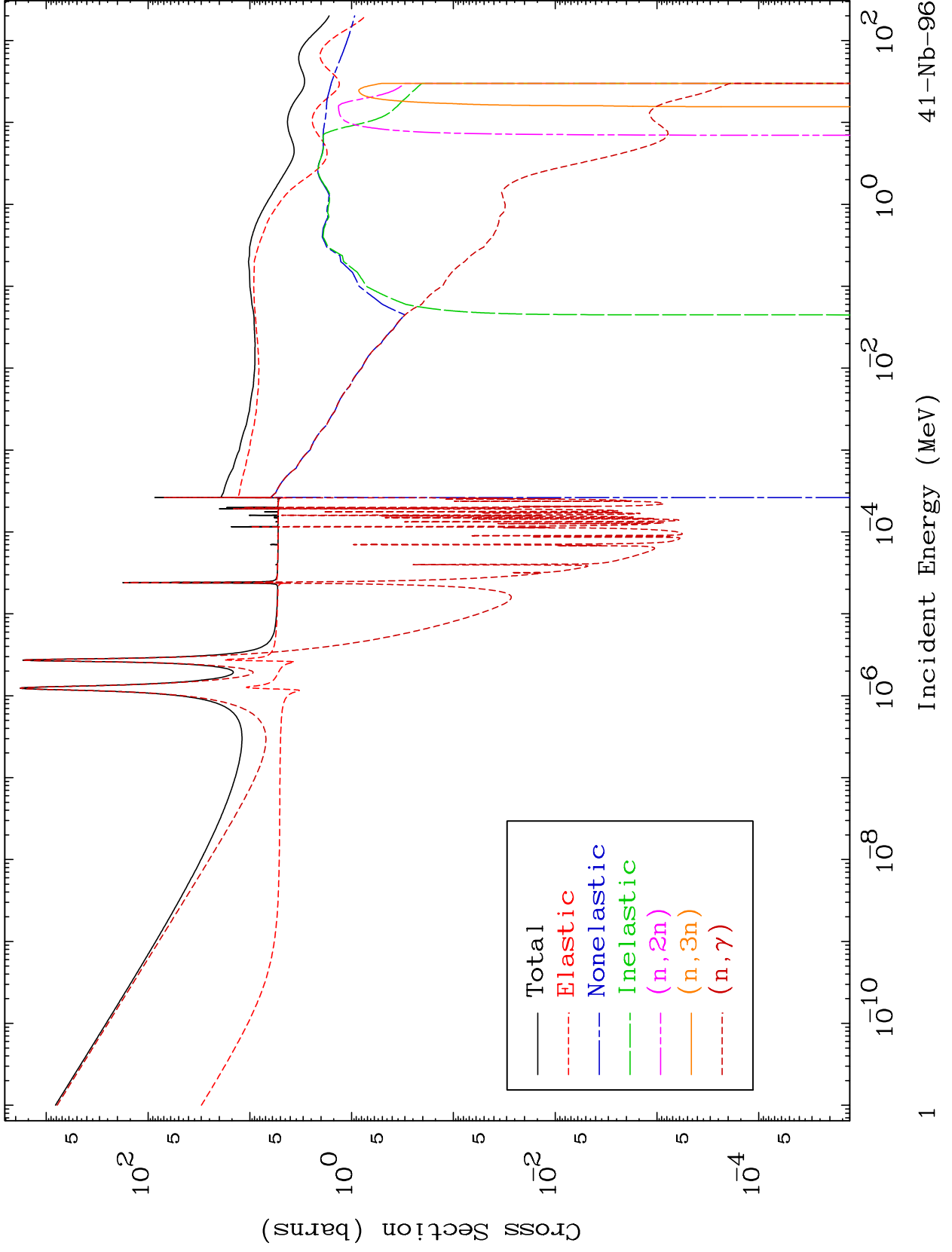
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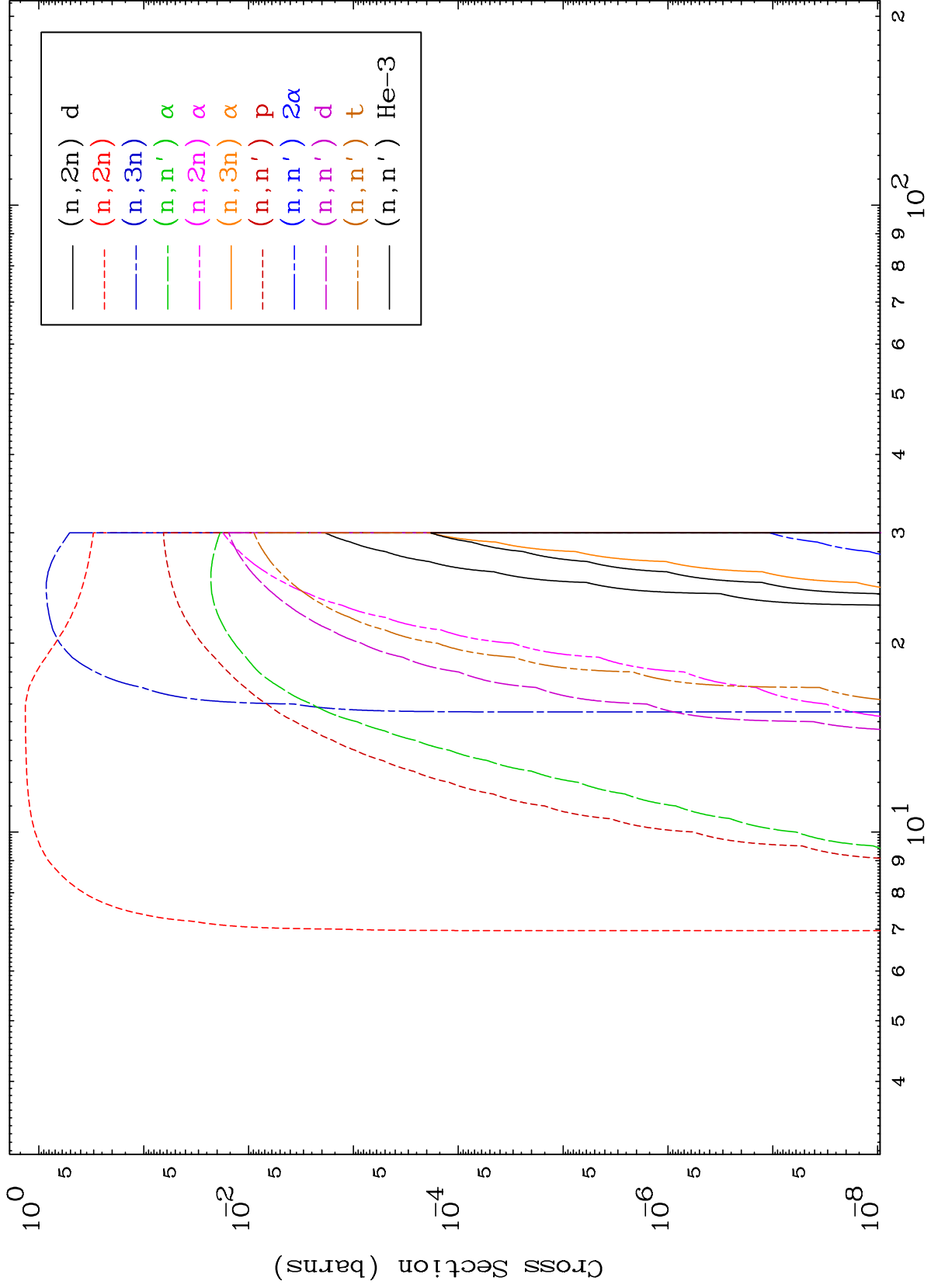
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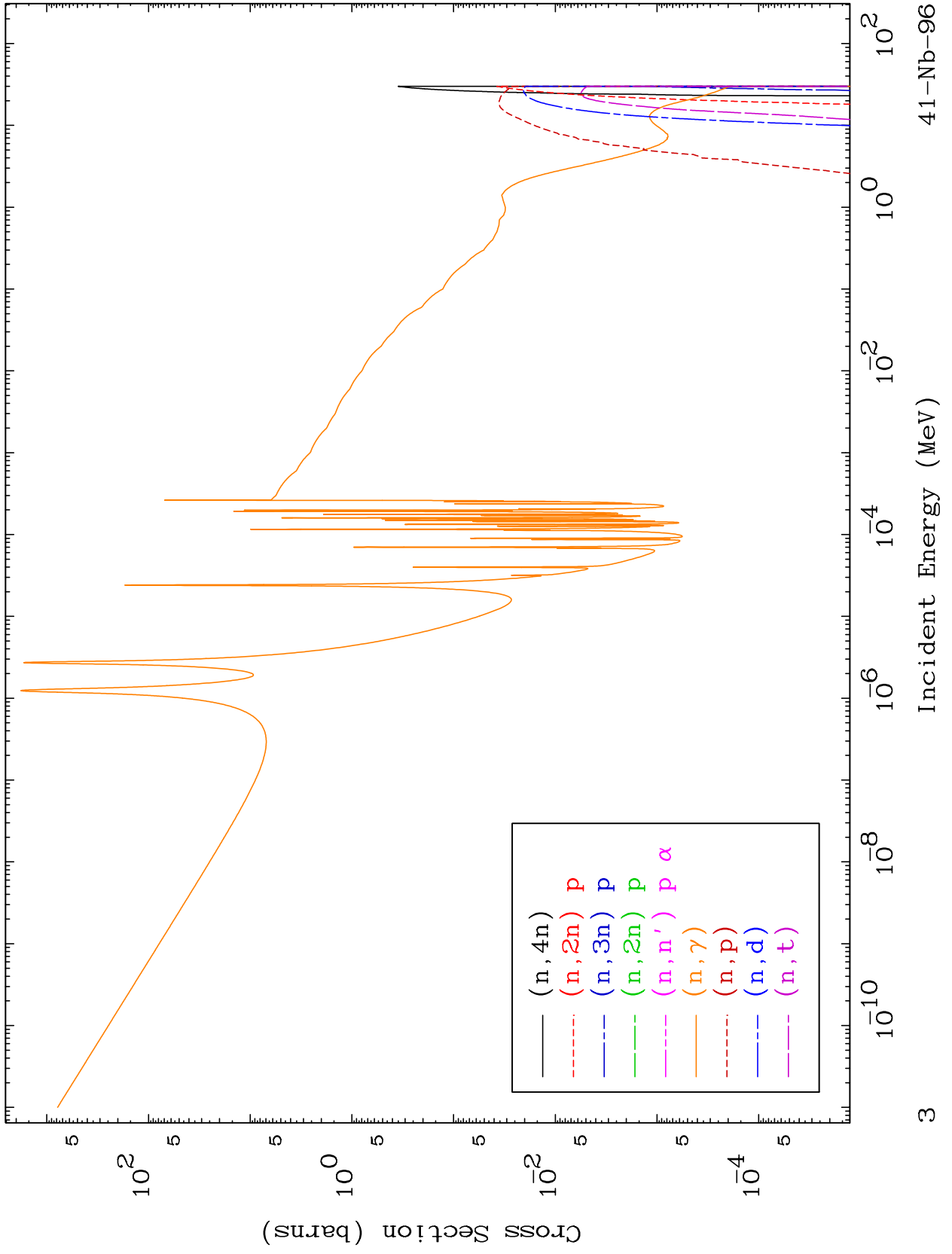
MAT 4134

Neutron Major  
293 Kelvin Cross Sections

41-Nb-96



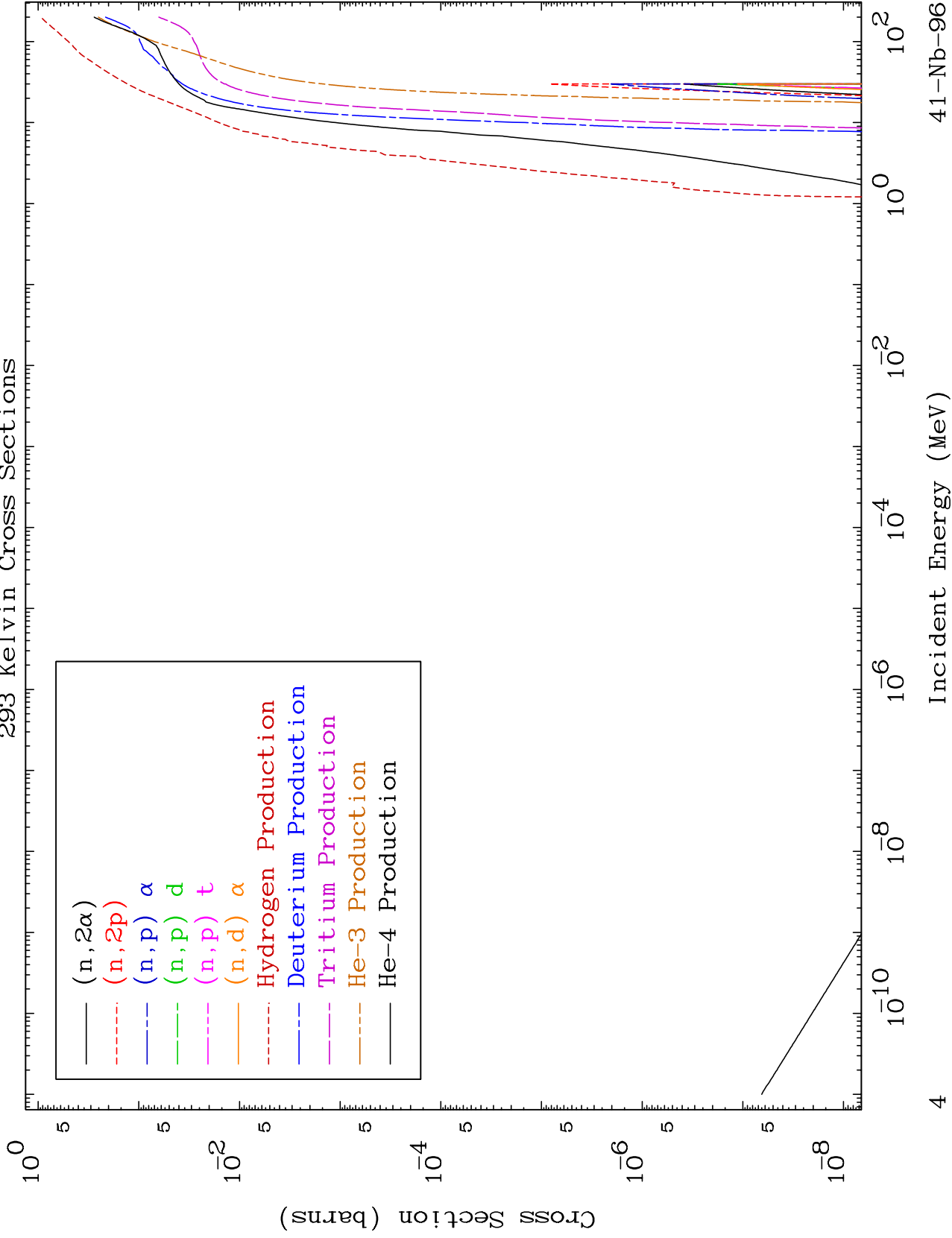




MAT 4134

Neutron Absorption  
293 Kelvin Cross Sections

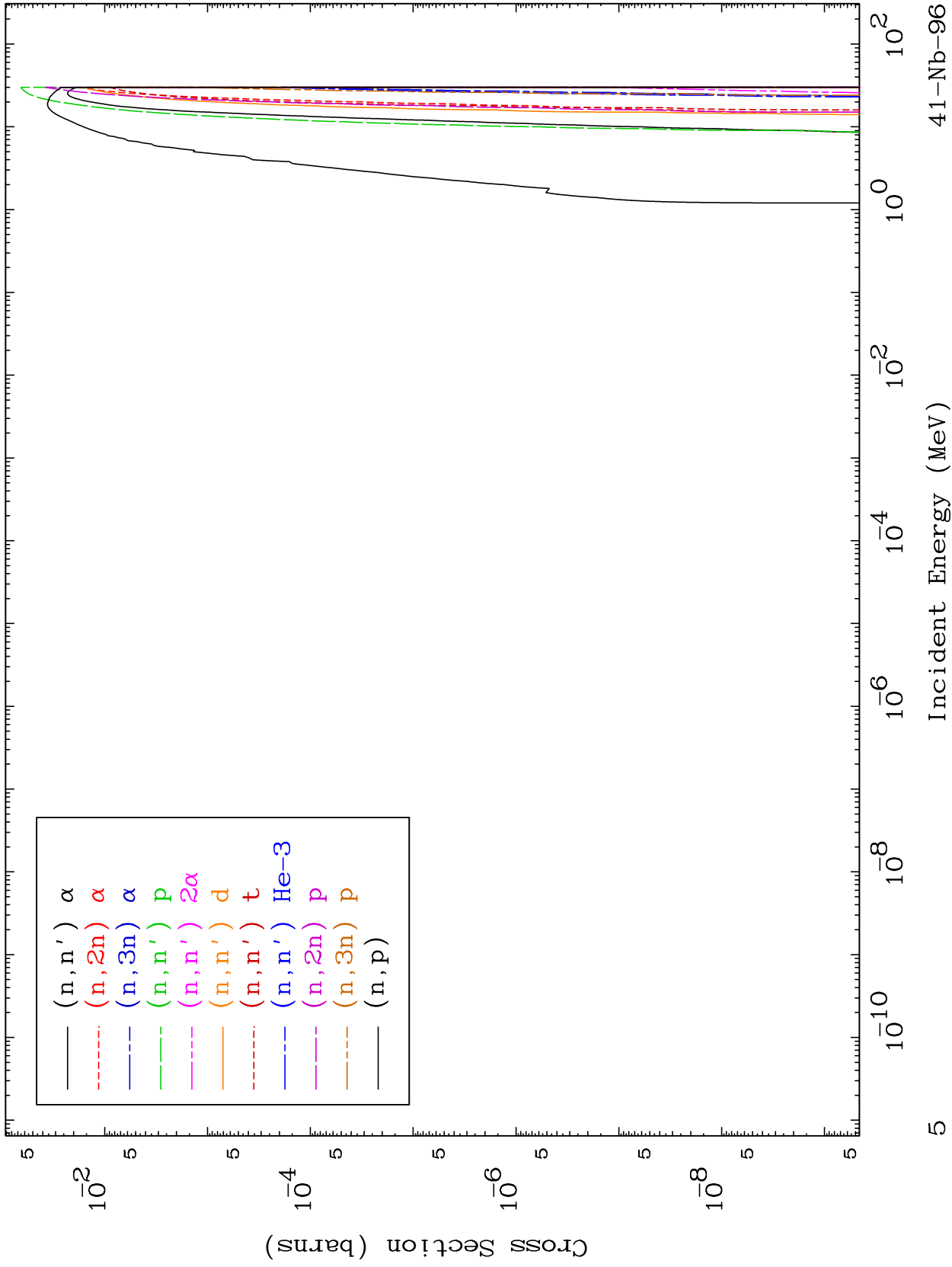
41-Nb-96



MAT 4134

Charged Particle  
293 Kelvin Cross Sections

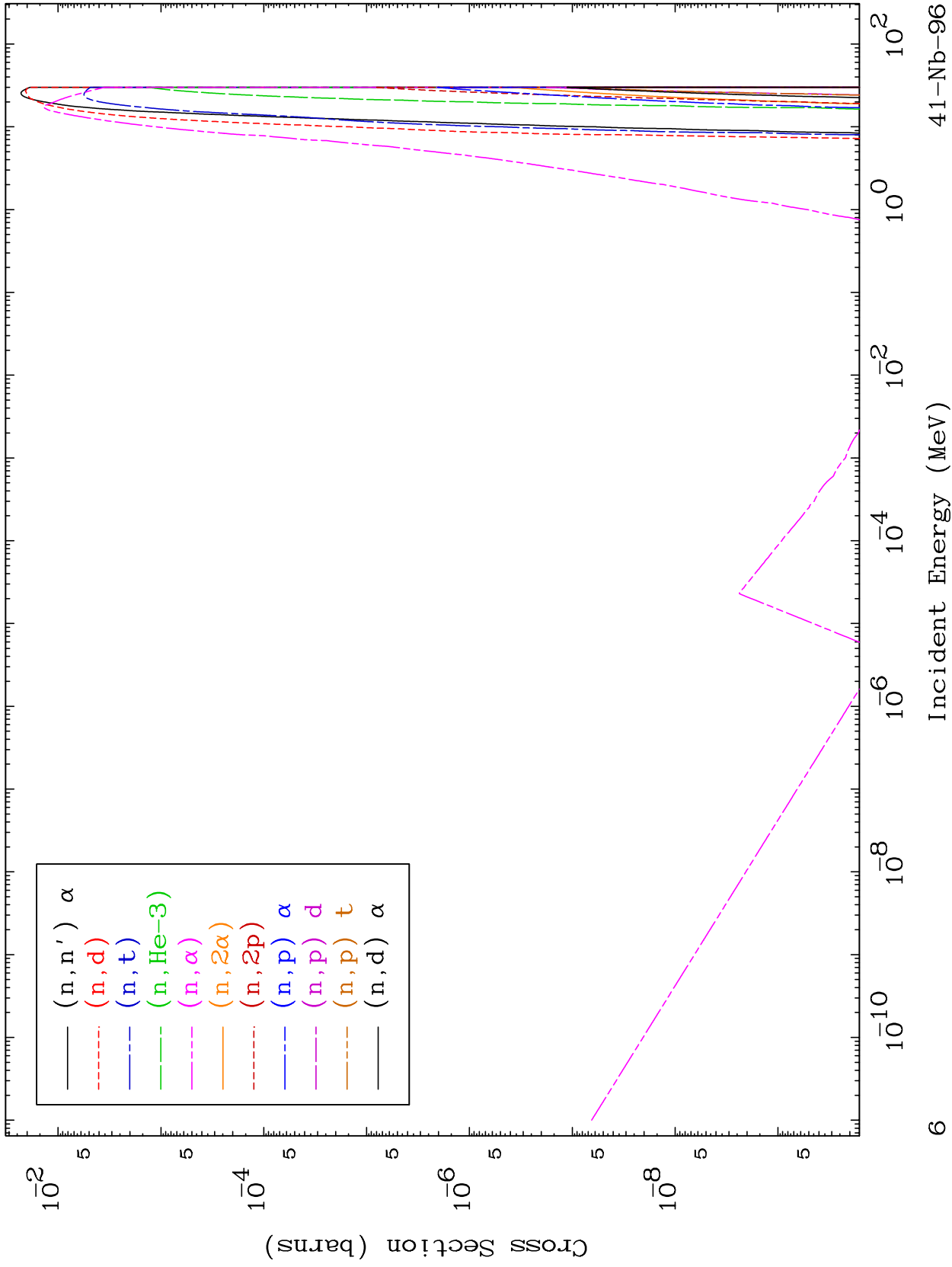
41-Nb-96



MAT 4134

Charged Particle  
293 Kelvin Cross Sections

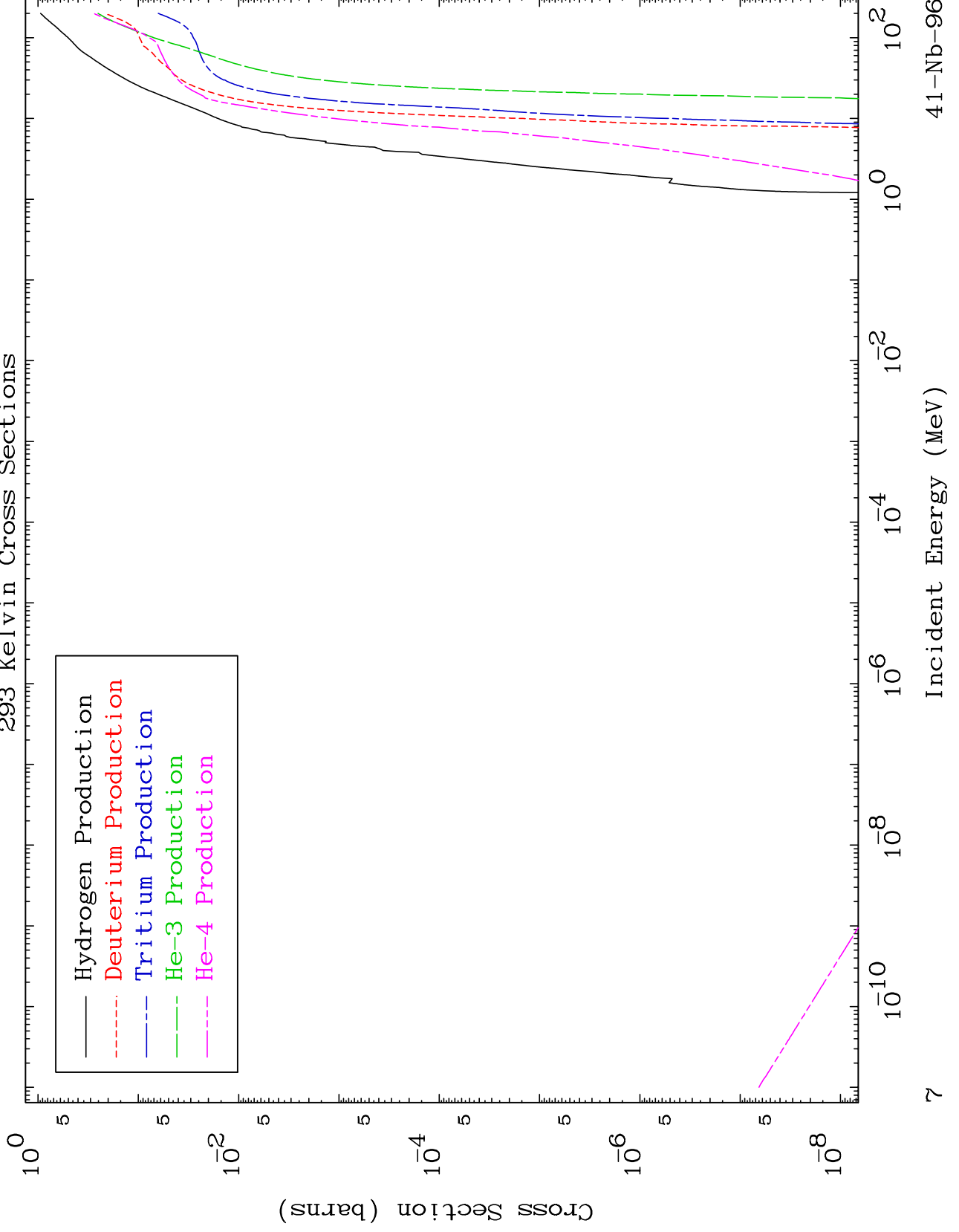
41-Nb-96

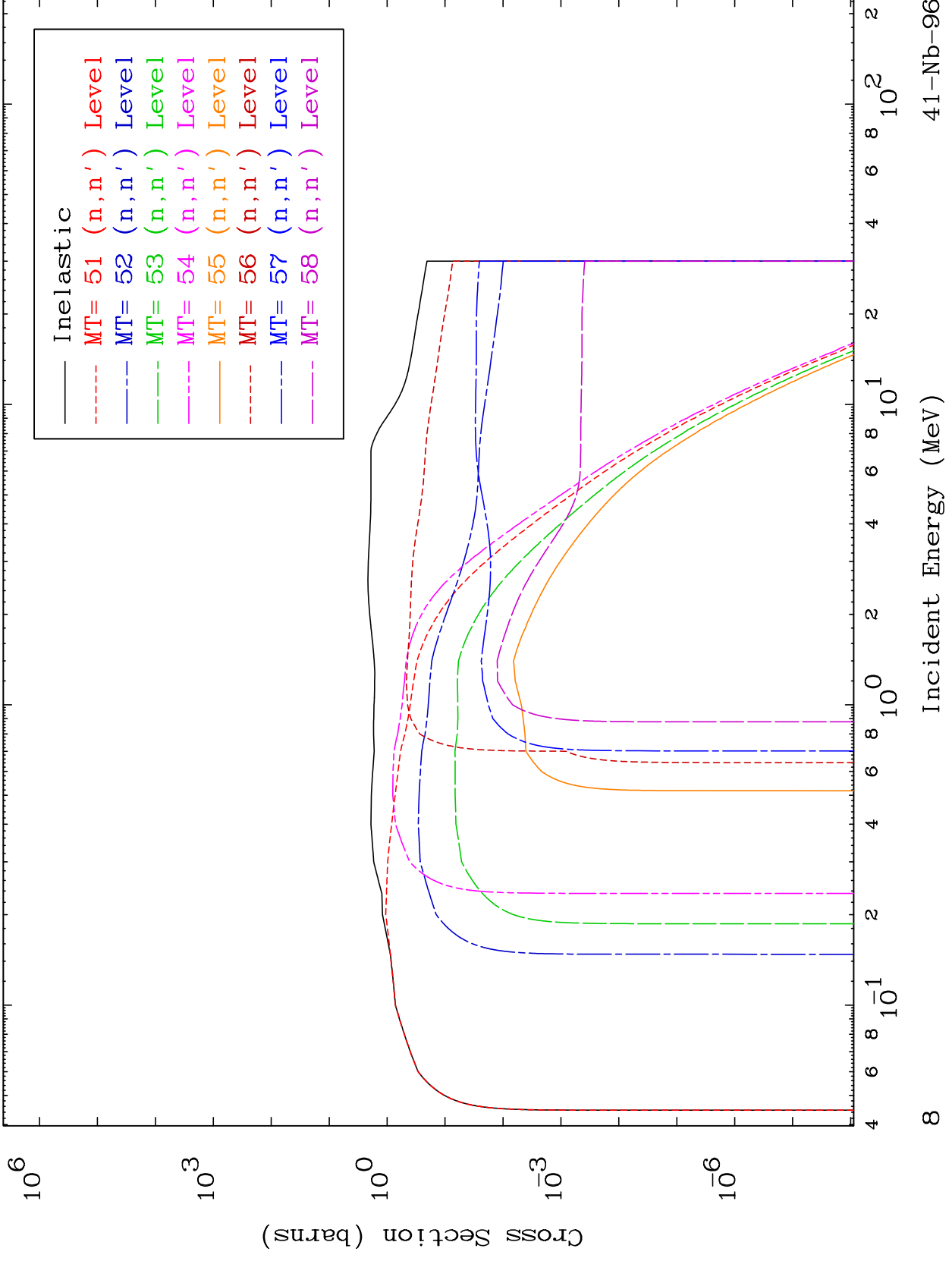


MAT 4134

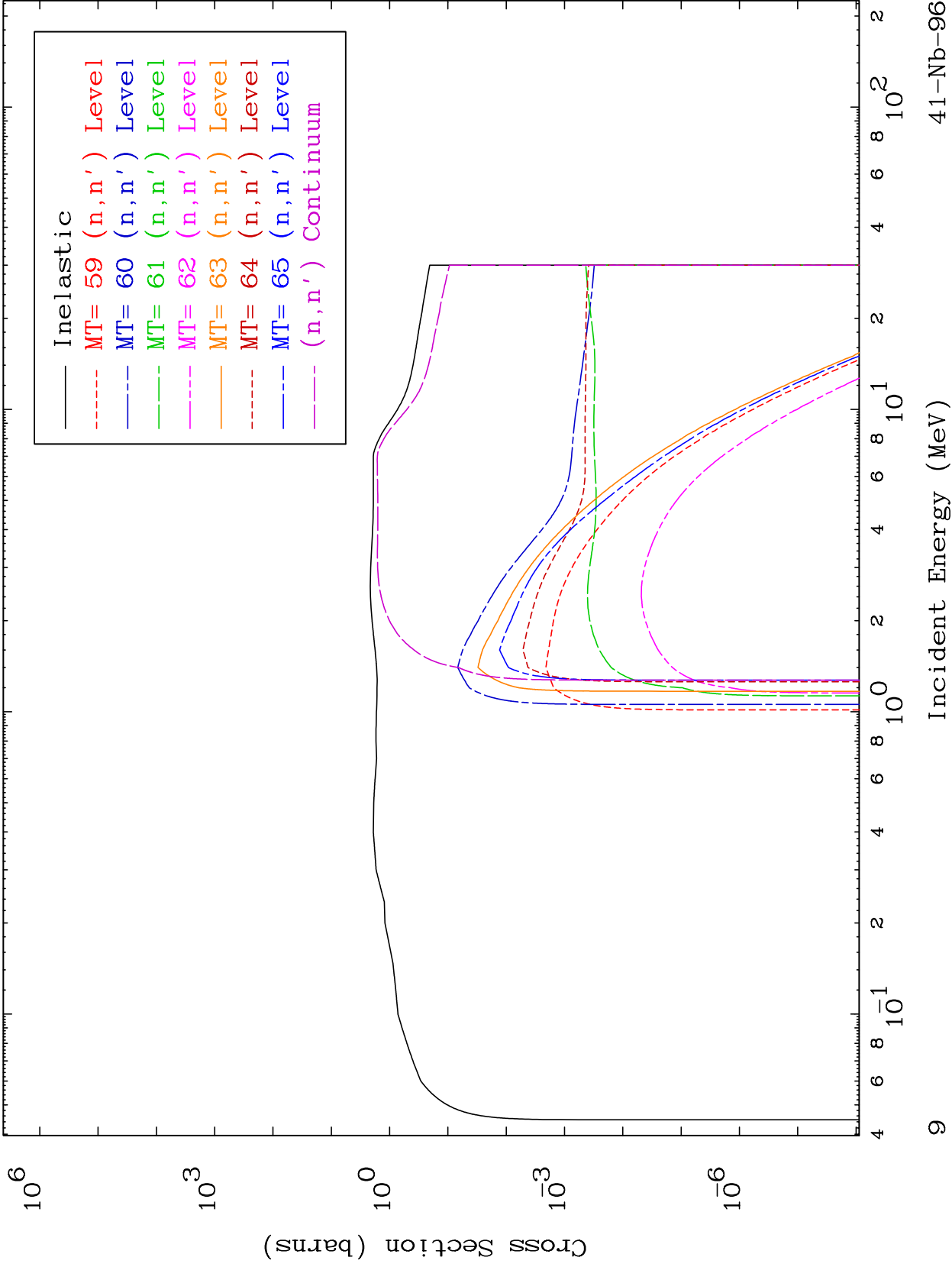
Particle Production  
293 Kelvin Cross Sections

41-Nb-96





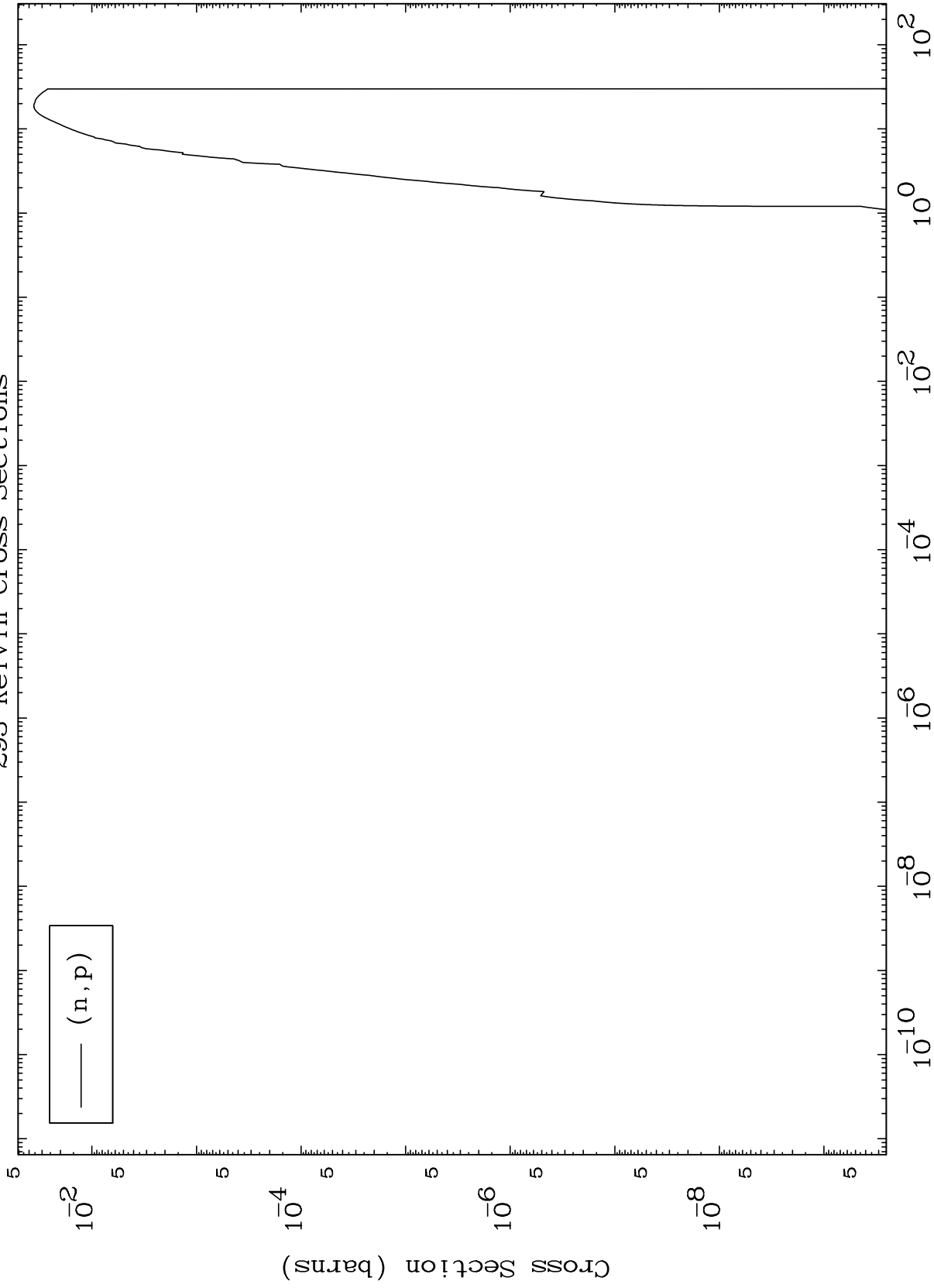
293 Kelvin Cross Sections



MAT 4134

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-96



10

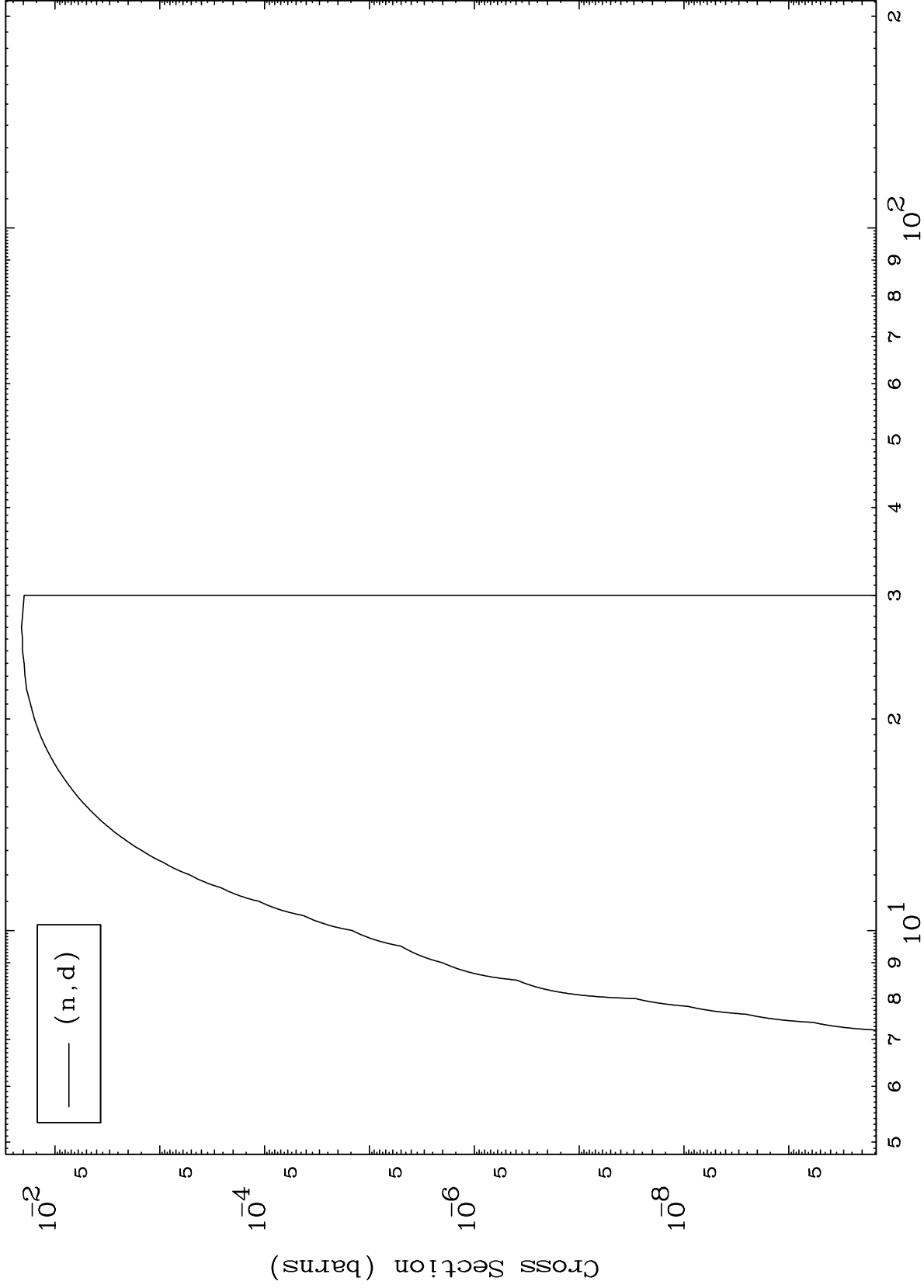
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-96



11

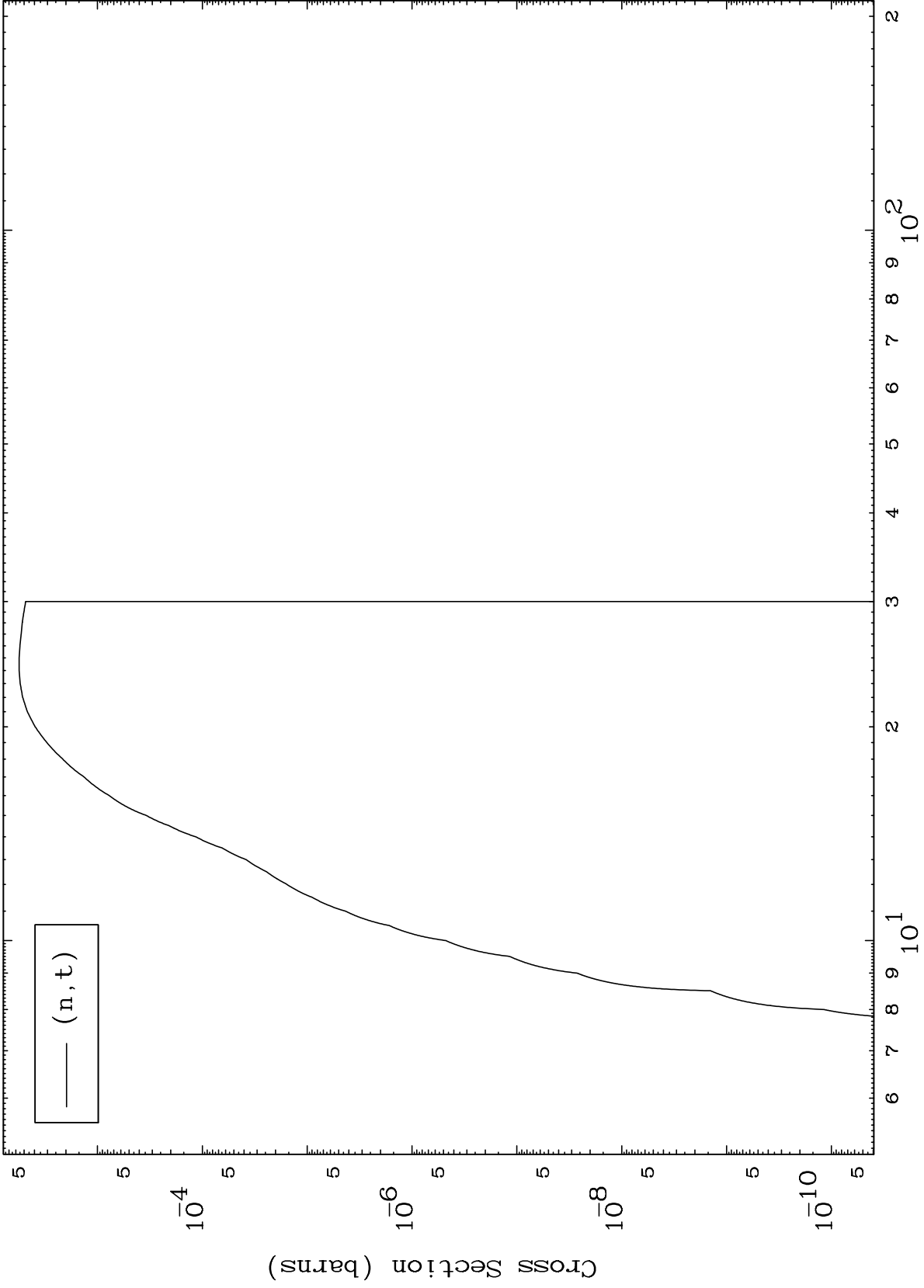
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-96



12

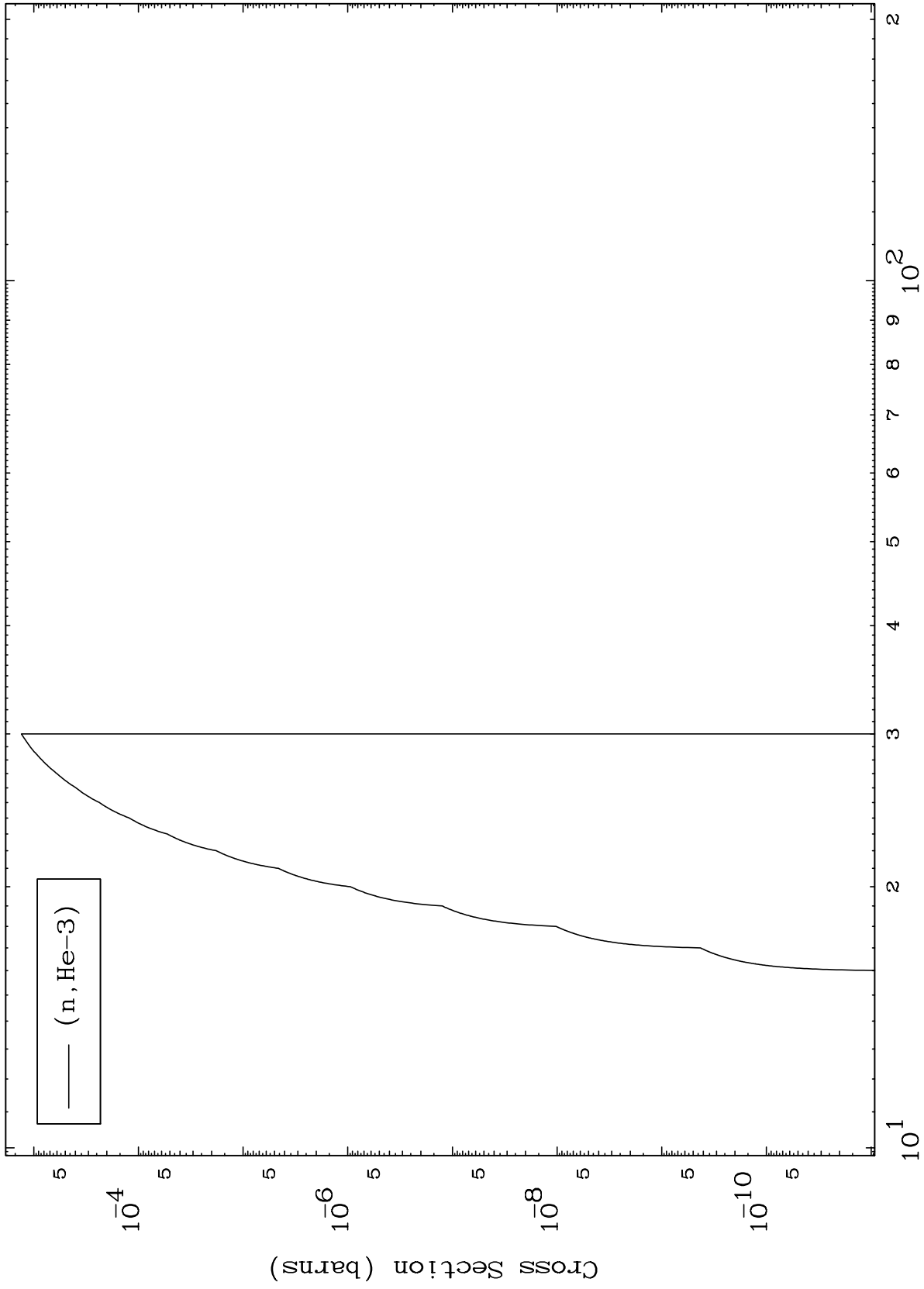
Incident Energy (MeV)

41-Nb-96

MAT 4134

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-96



13

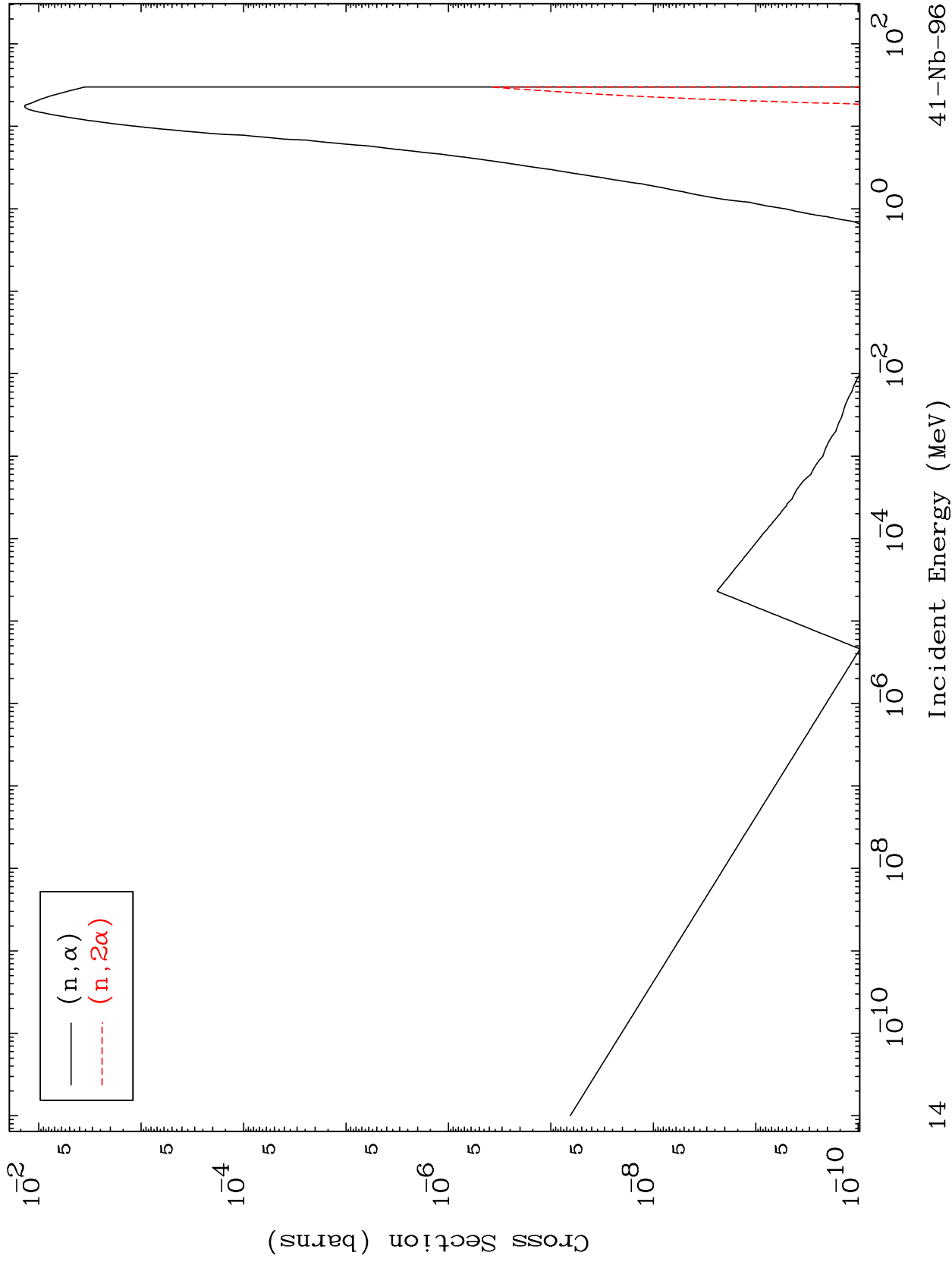
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

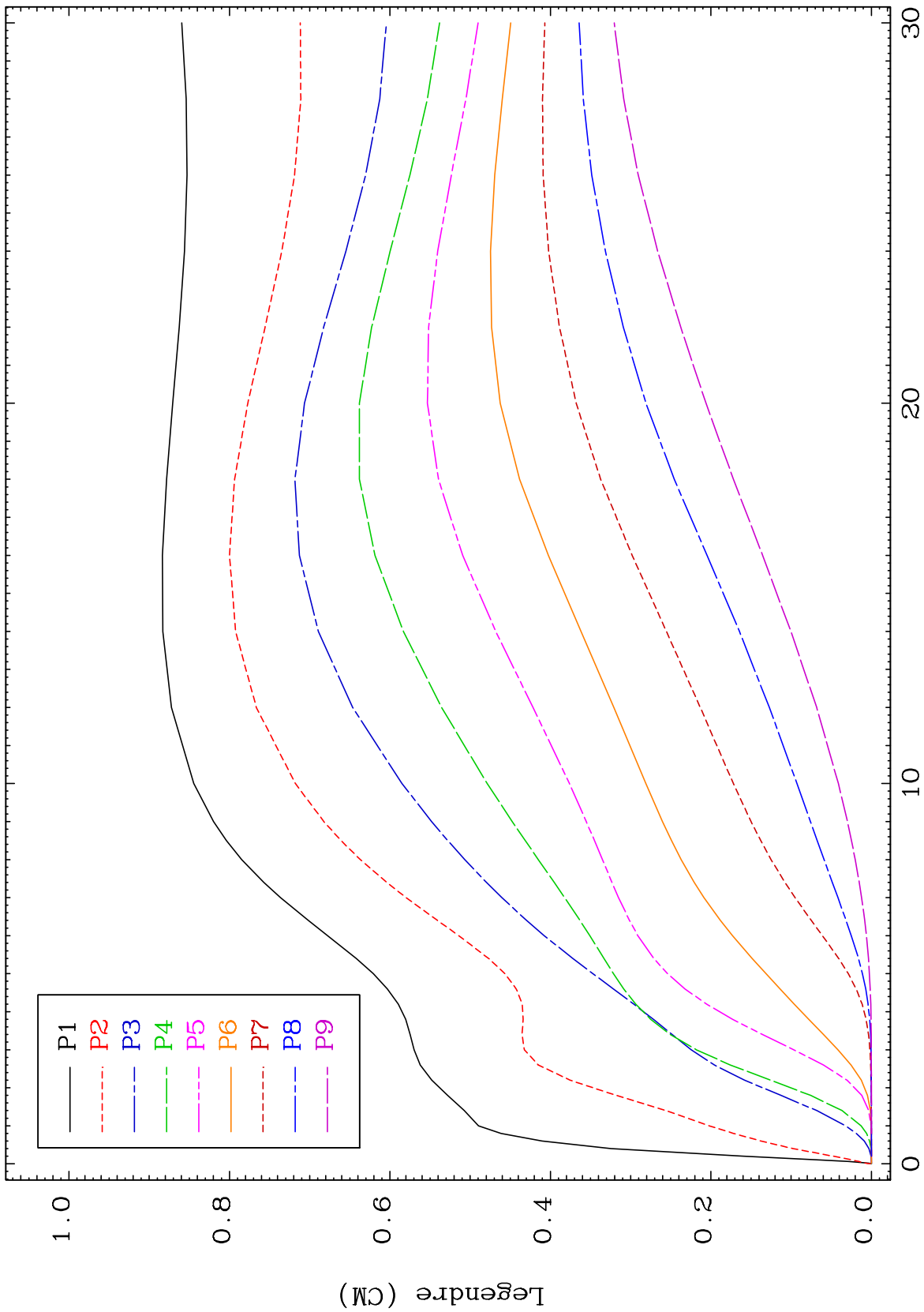
41-Nb-96



MAT 4134

Elastic Legendre Coefficients

41-Nb-96



15

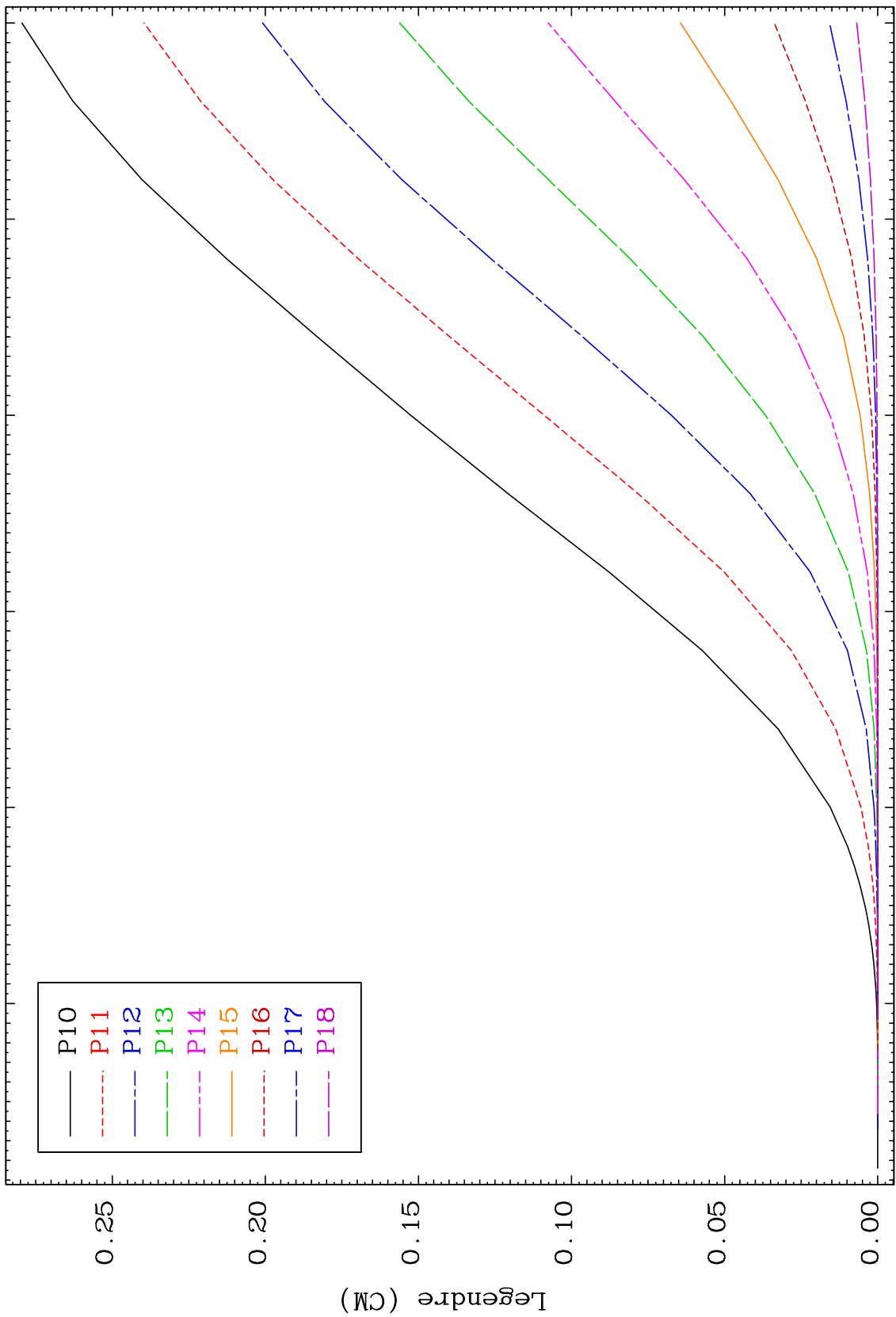
Incident Energy (MeV)

41-Nb-96

MAT 4134

Elastic Legendre Coefficients

41-Nb-96



16

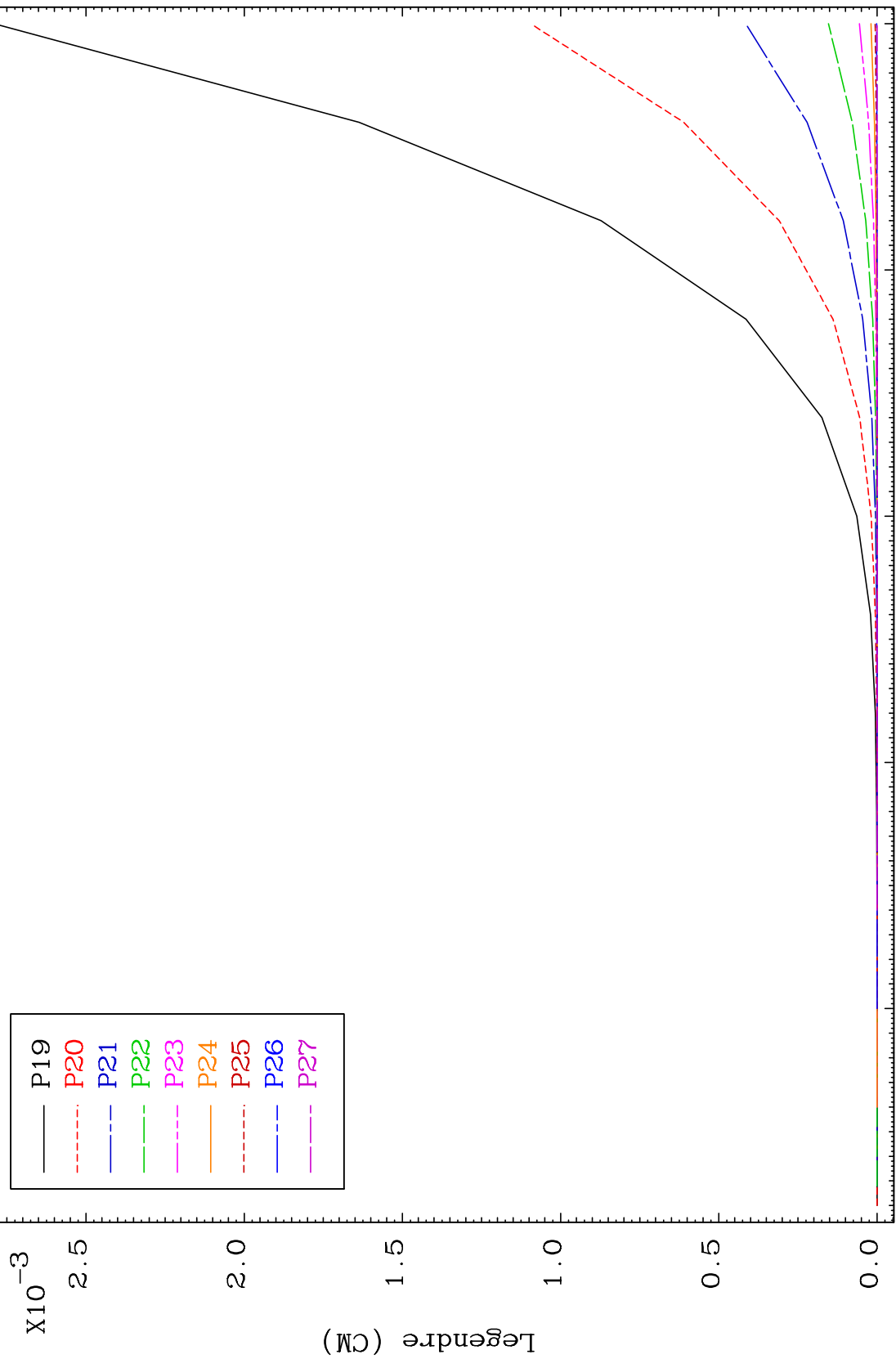
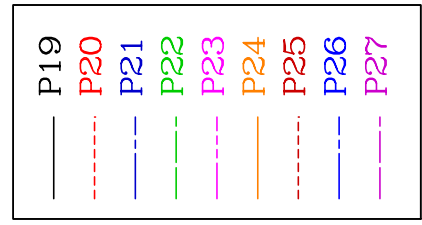
41-Nb-96

Incident Energy (MeV)

MAT 4134

Elastic Legendre Coefficients

41-Nb-96



17

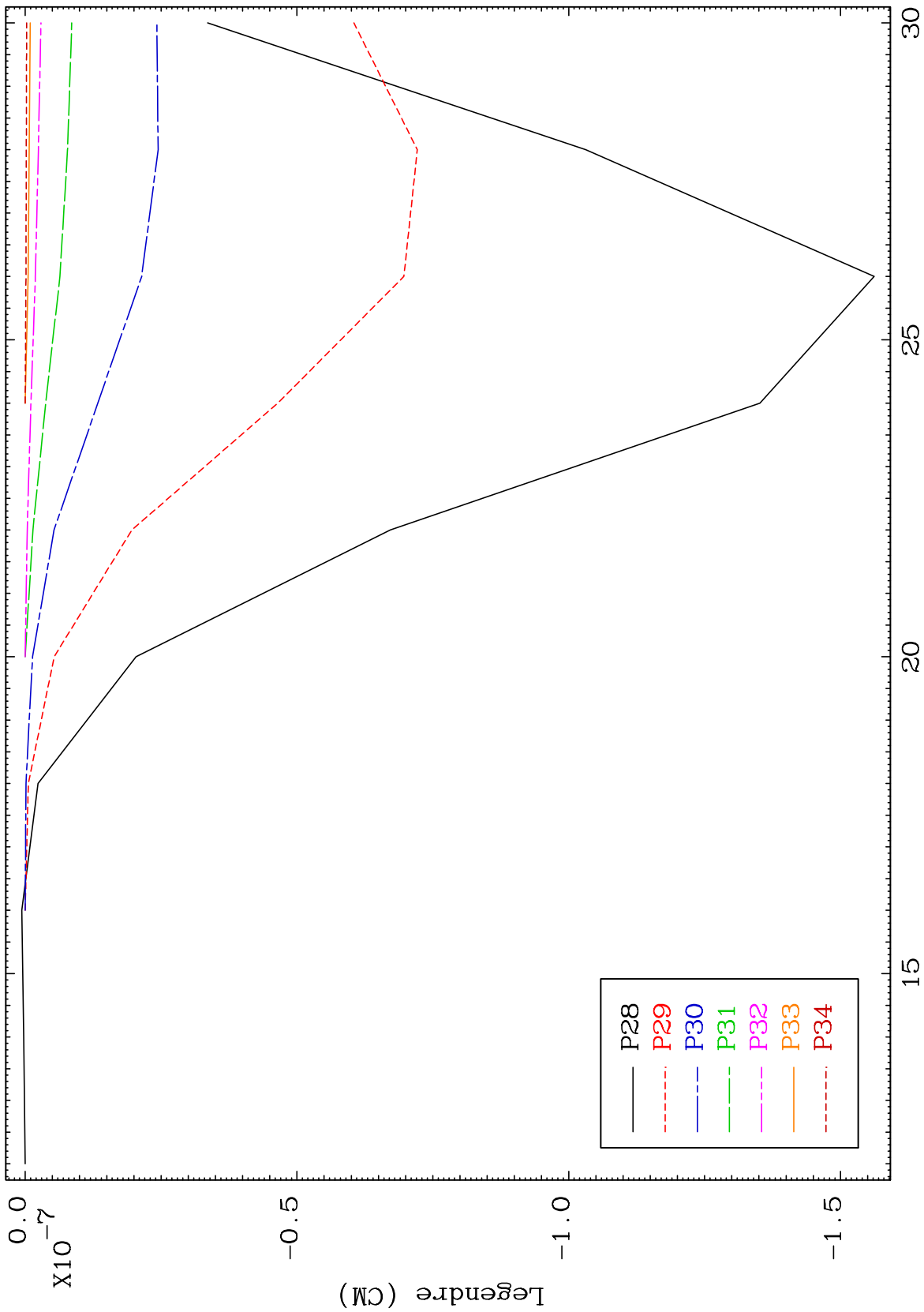
Incident Energy (MeV)

41-Nb-96

MAT 4134

41-Nb-96

Elastic Legendre Coefficients

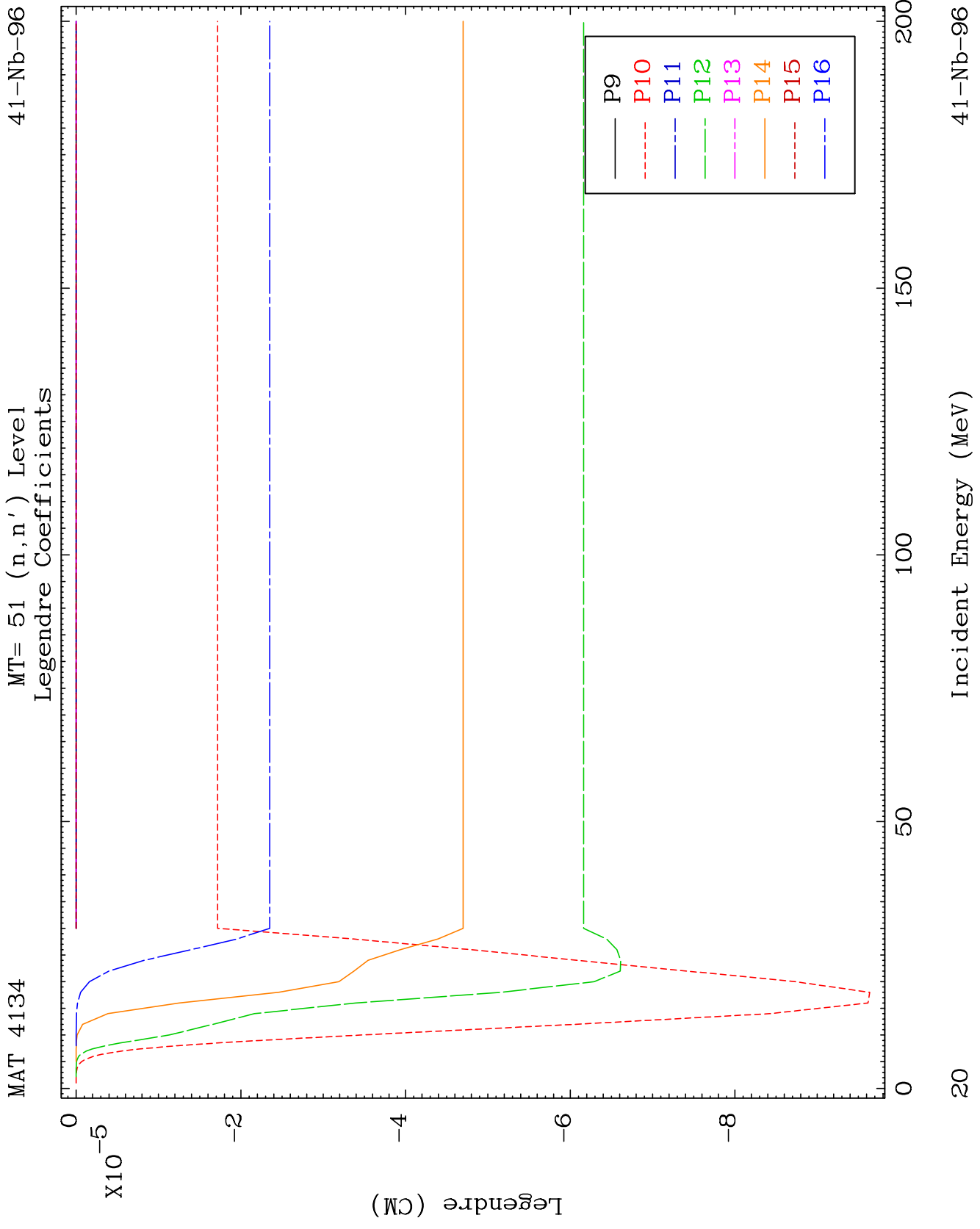


18

Incident Energy (MeV)

41-Nb-96

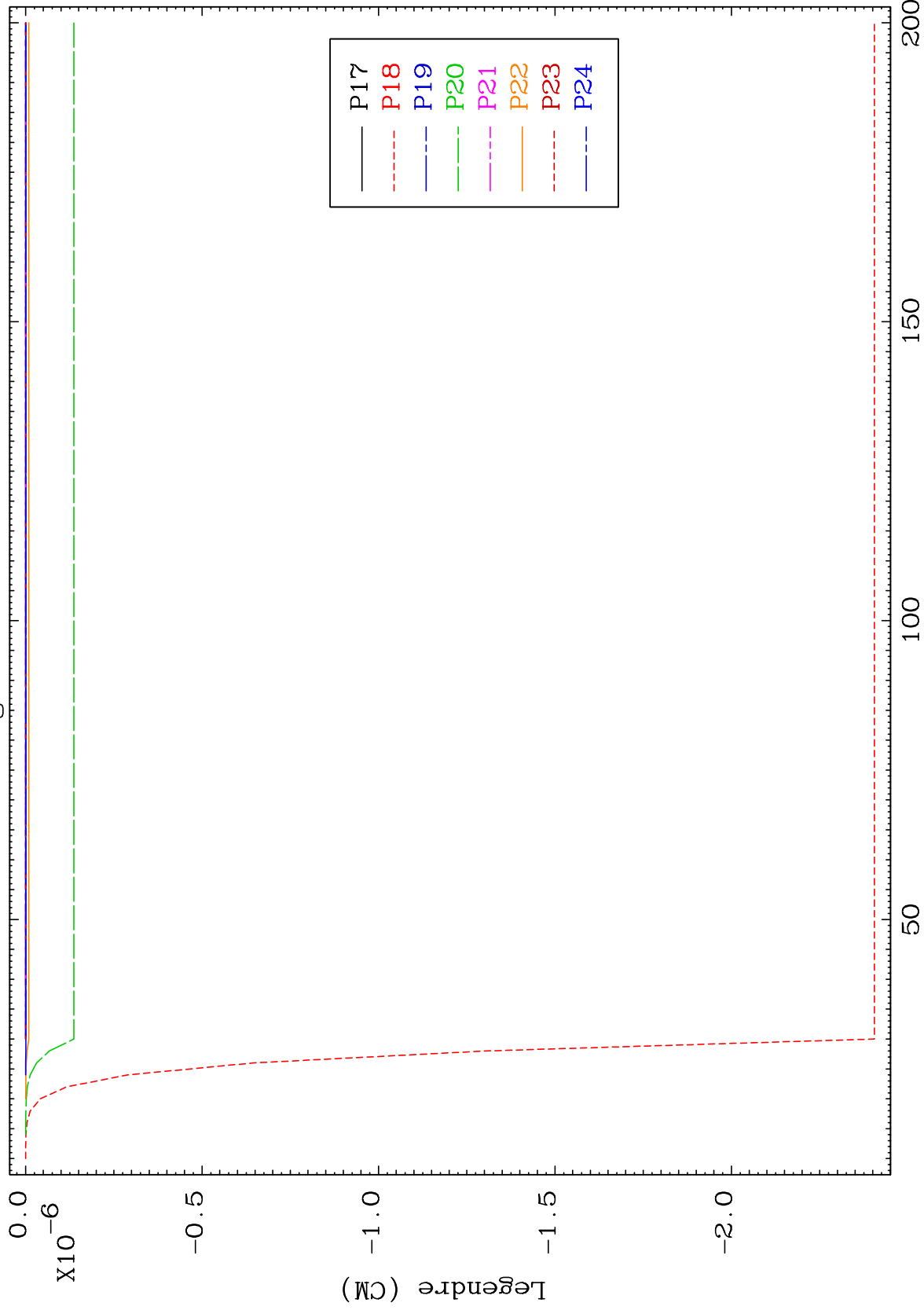




MAT 4134

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

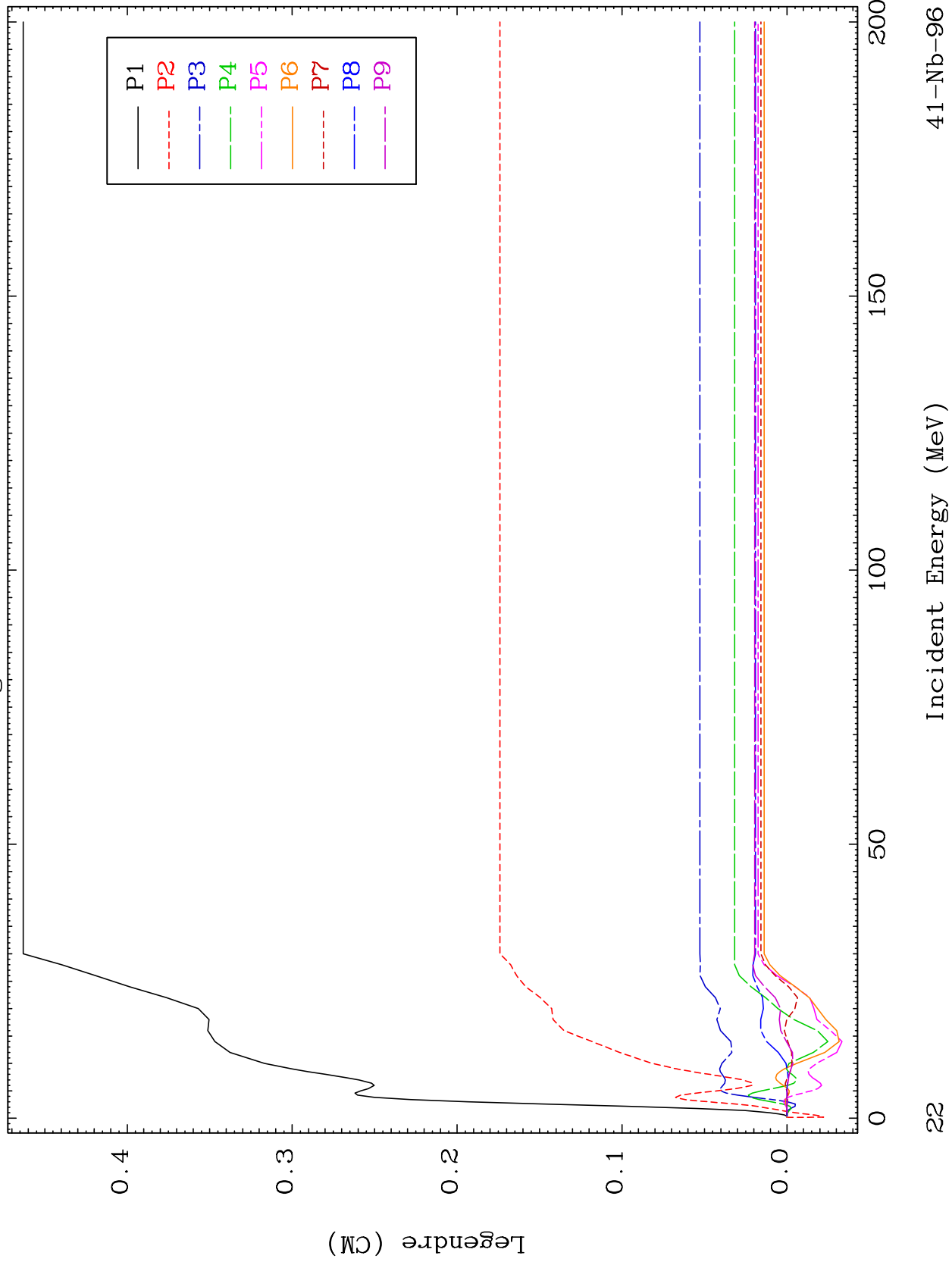
41-Nb-96



MAT 4134

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

41-Nb-96



41-Nb-96

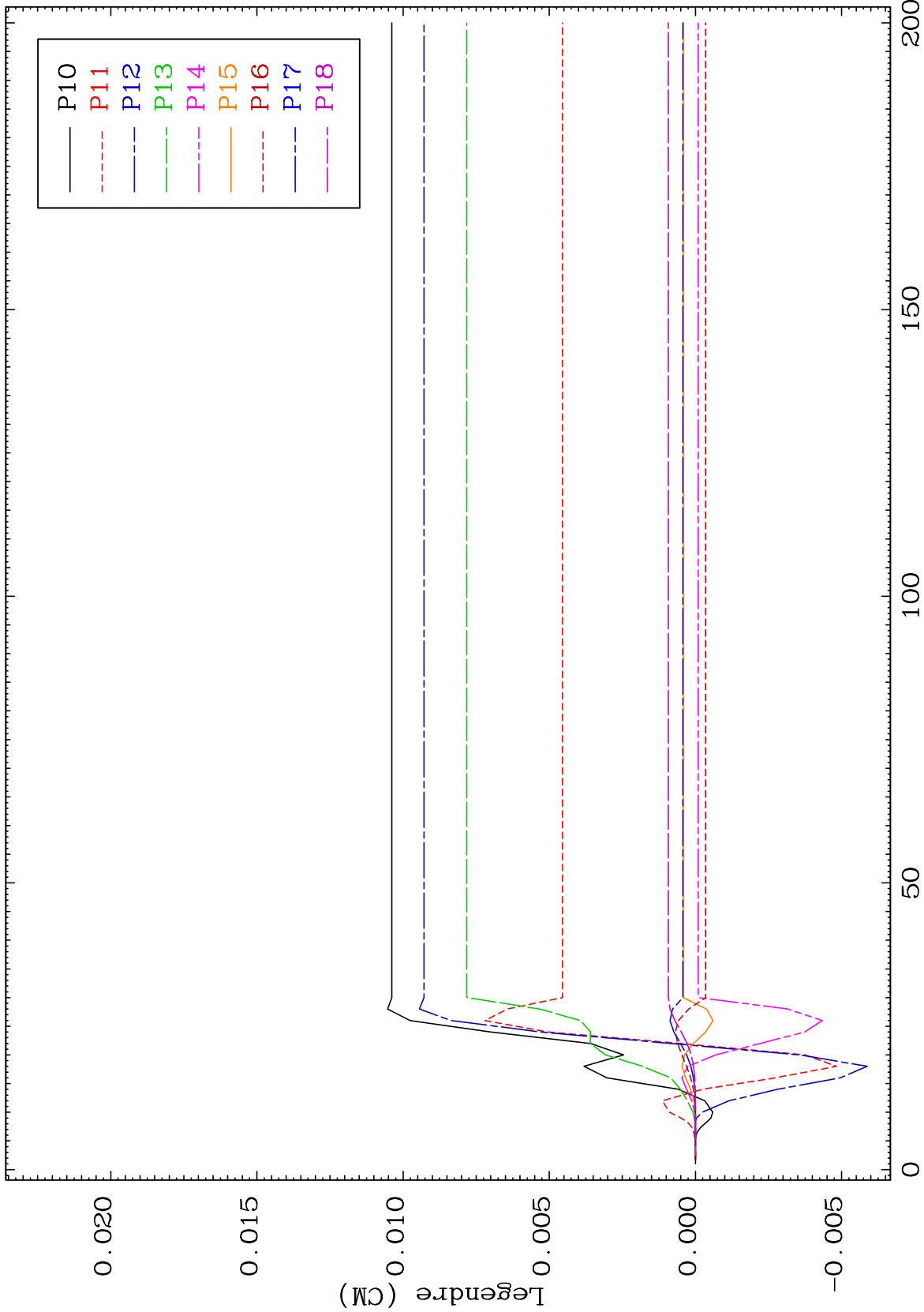
Incident Energy (MeV)

22

MAT 4134

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

41-Nb-96



23

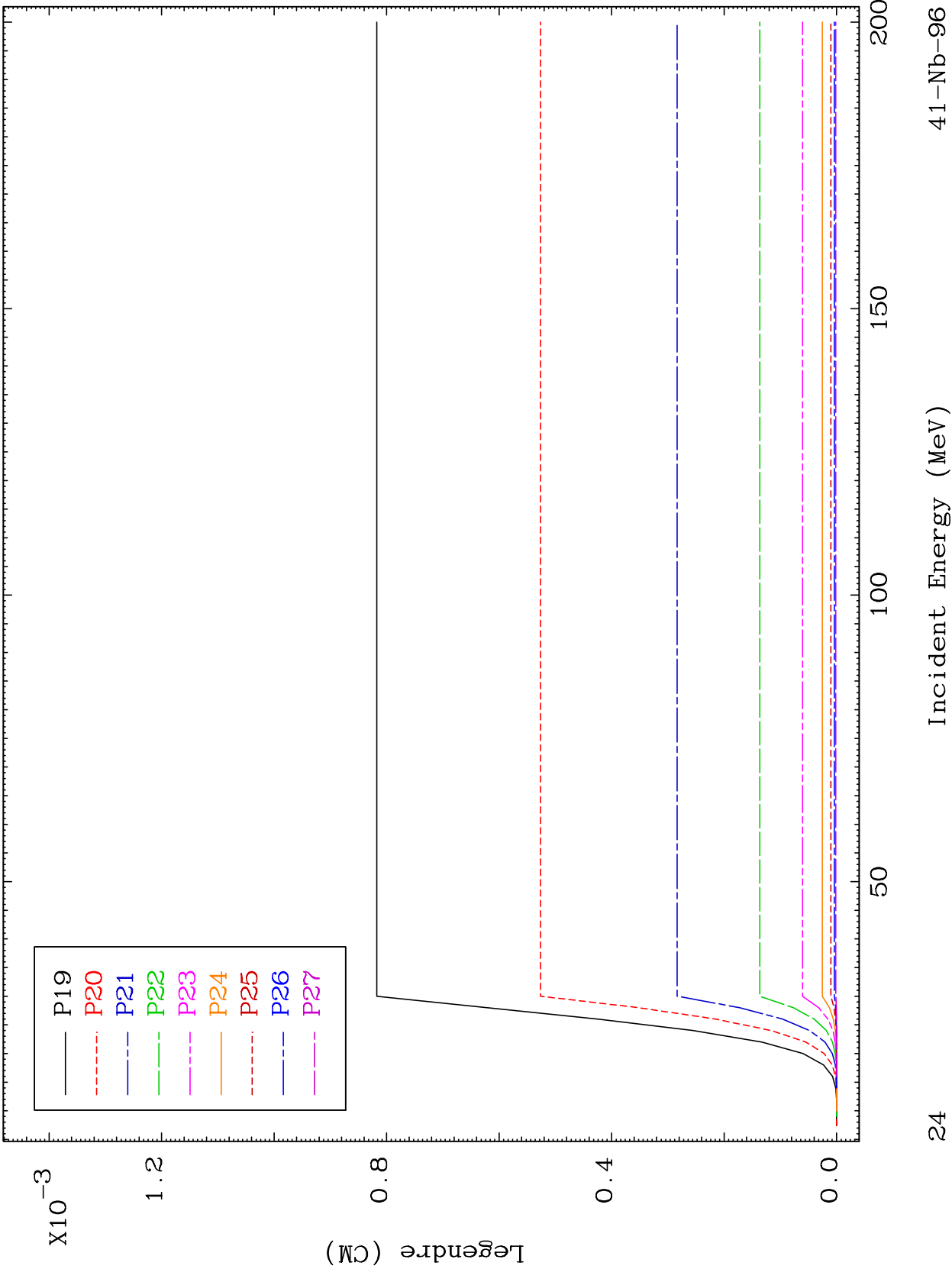
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



24

Incident Energy (MeV)

41-Nb-96

$\times 10^{-3}$

1.2

0.8

0.4

0.0

50

100

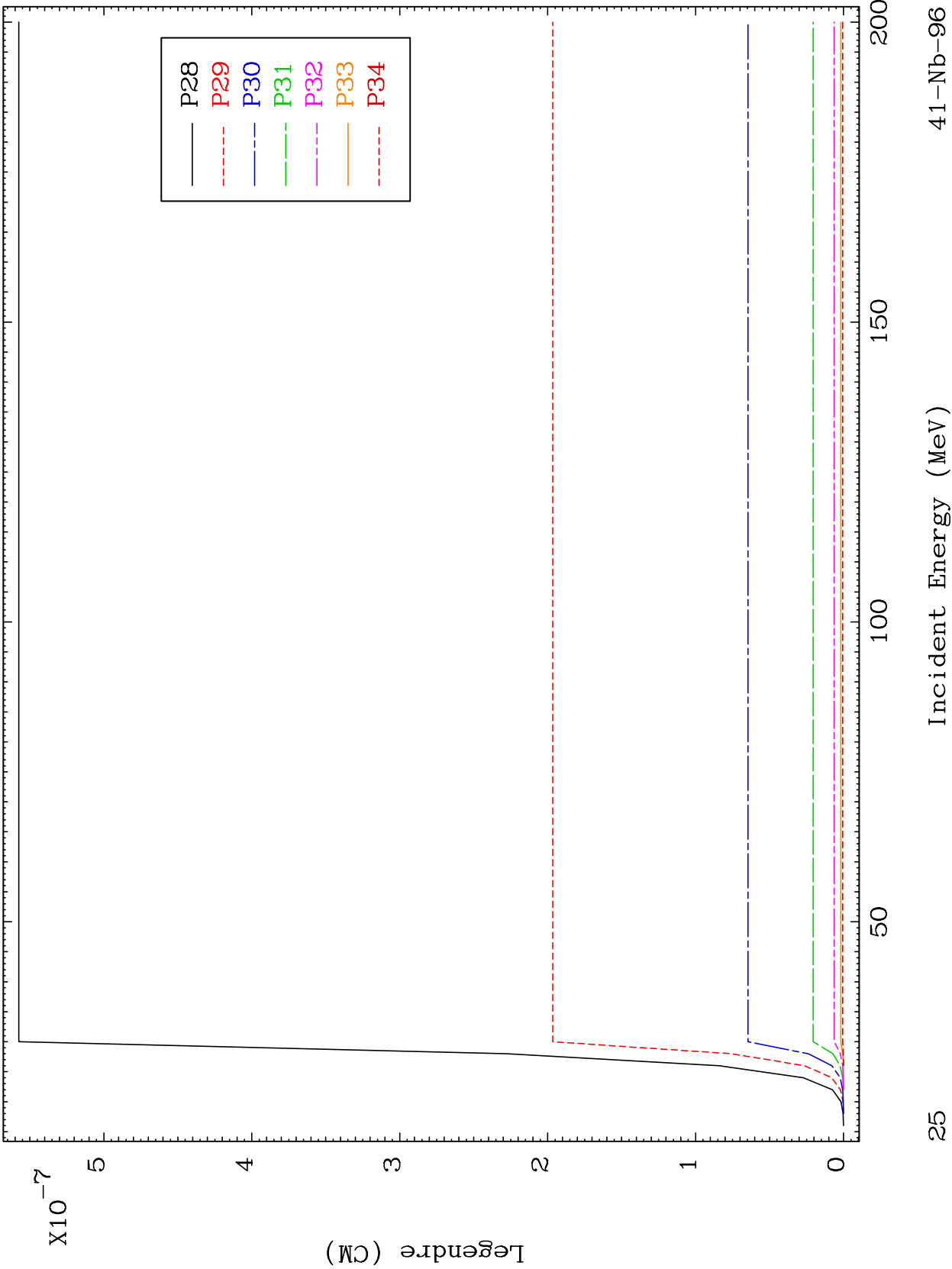
150

200

MAT 4134

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

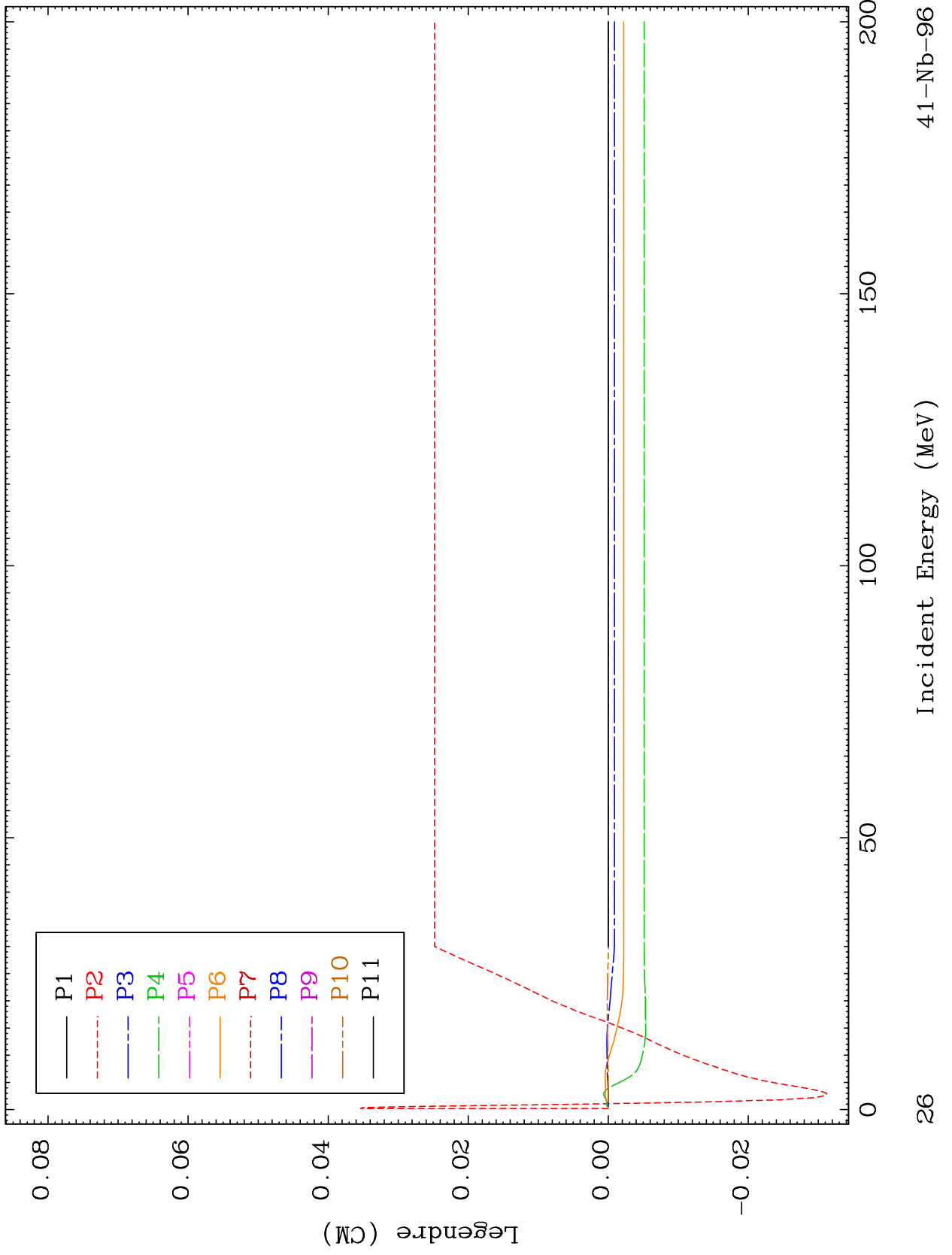
41-Nb-96



MAT 4134

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

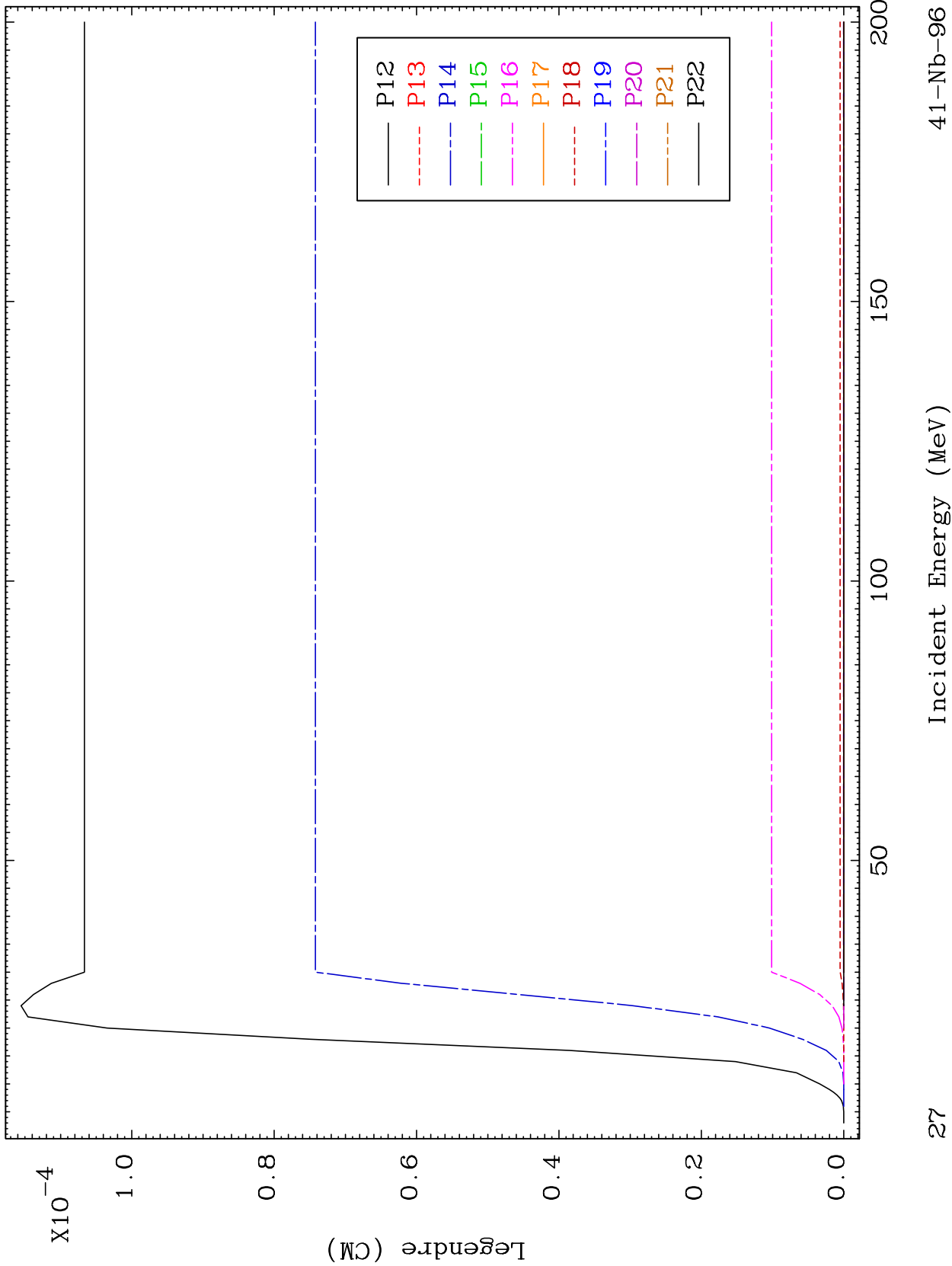
41-Nb-96

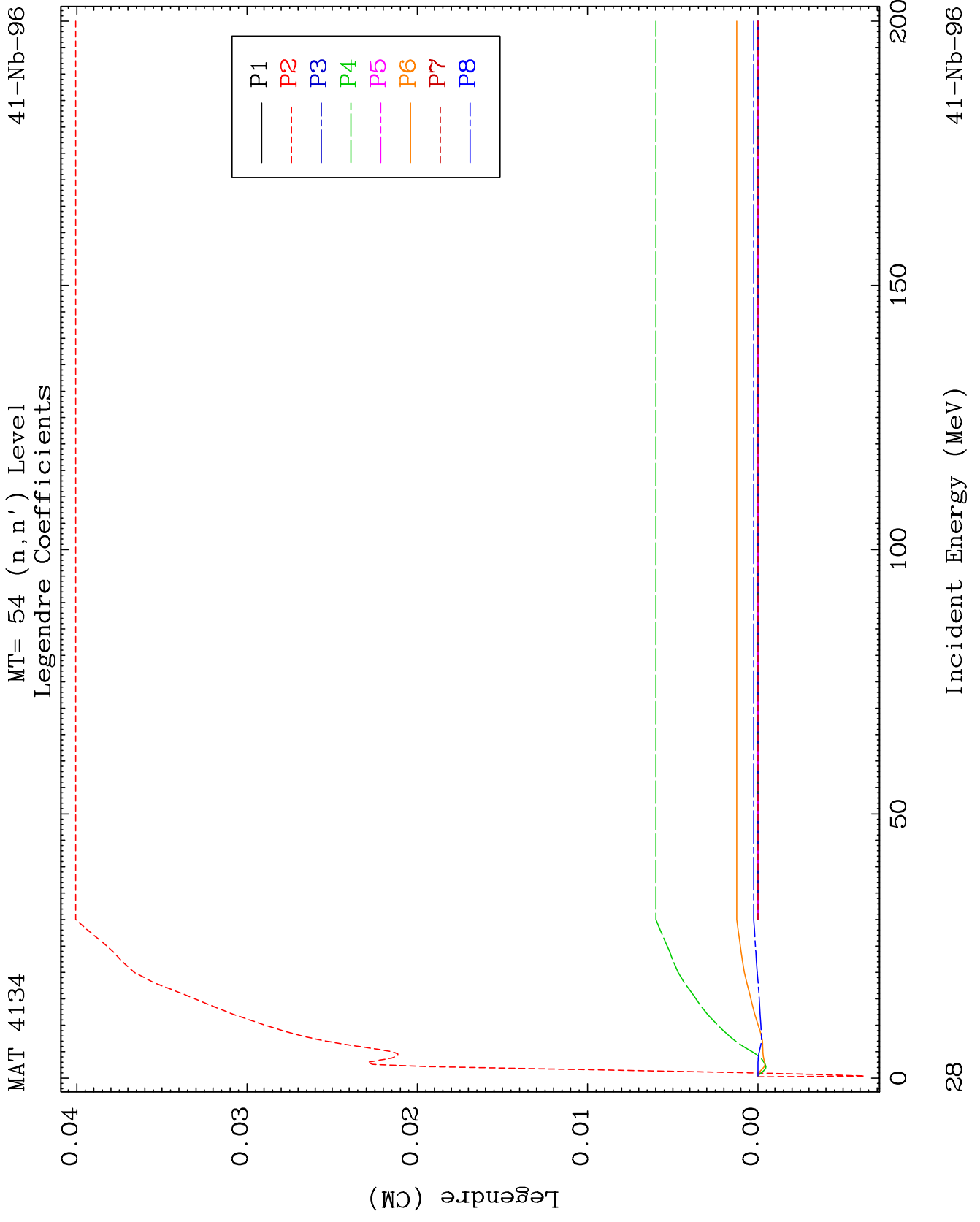


26

Incident Energy (MeV)

41-Nb-96

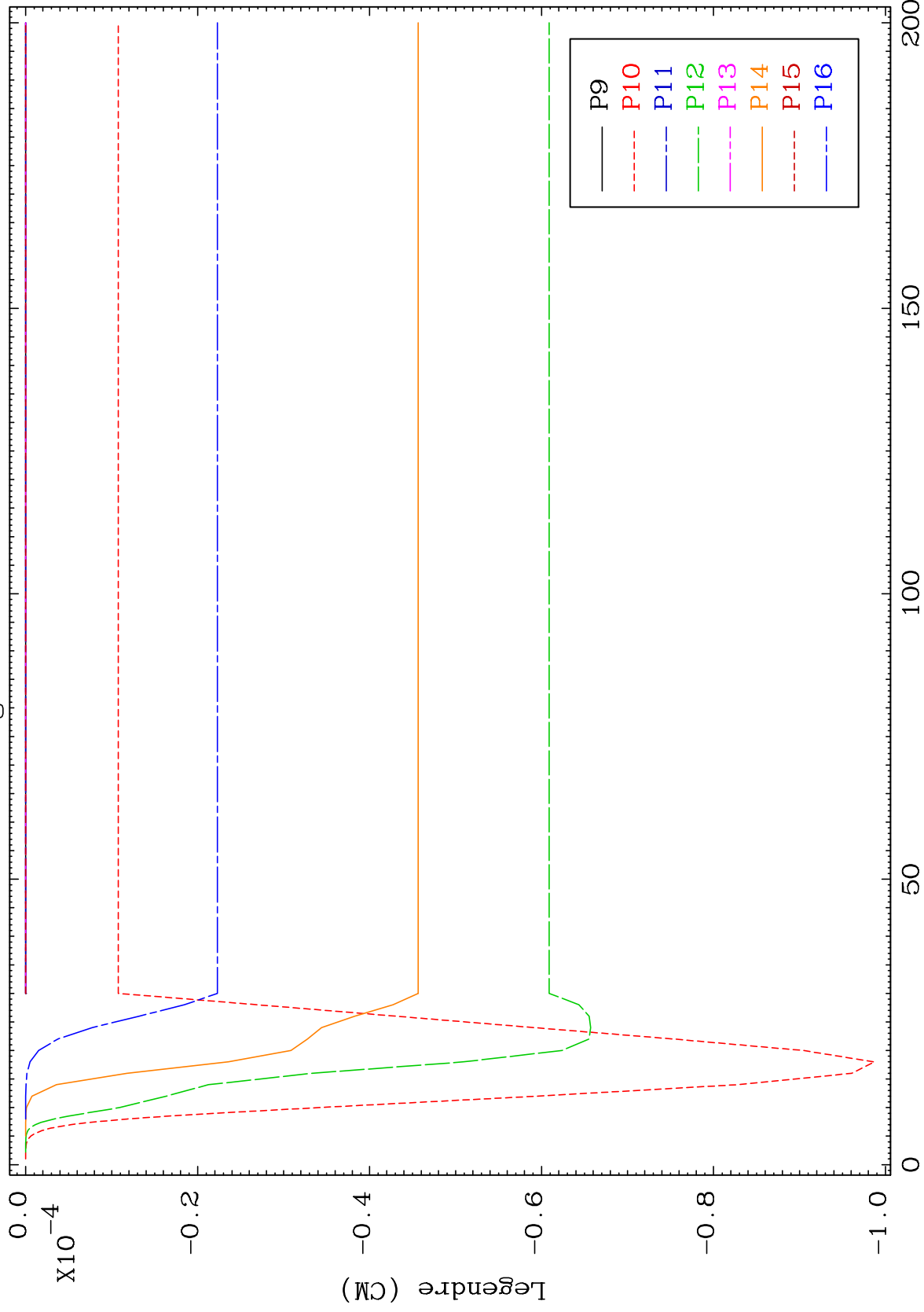




MAT 4134

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

41-Nb-96



29

Incident Energy (MeV)

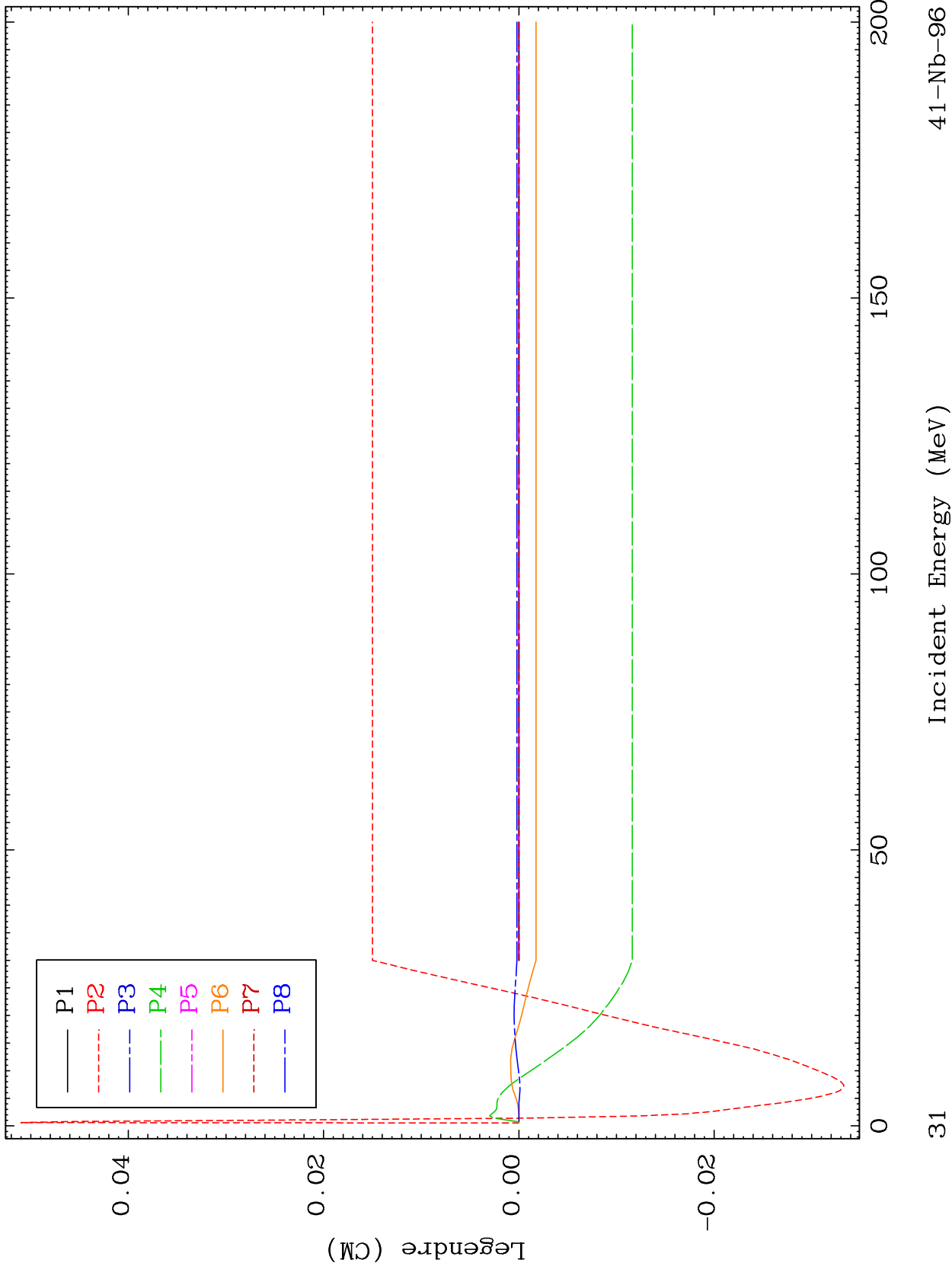
41-Nb-96



MAT 4134

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

41-Nb-96



31

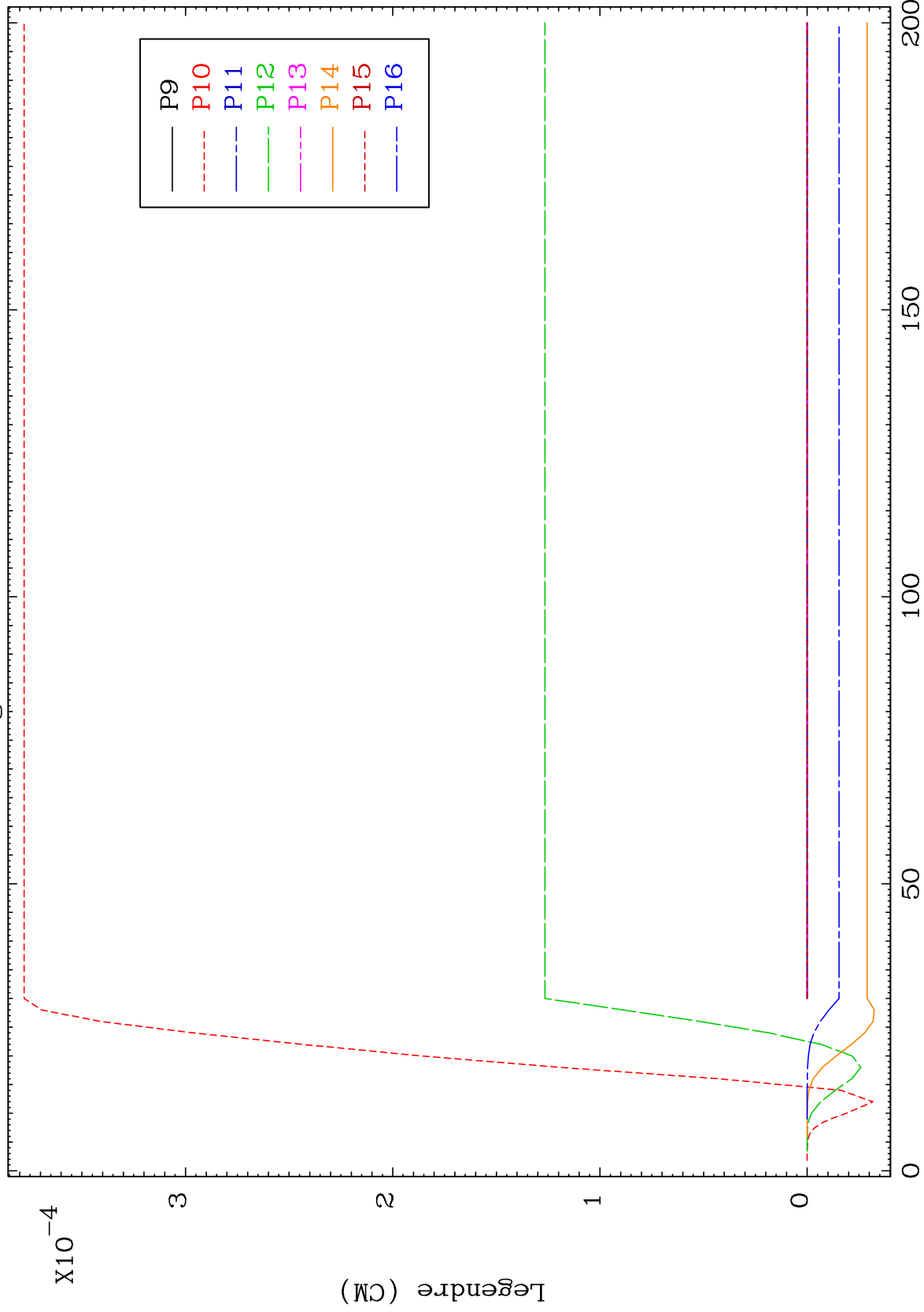
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



32

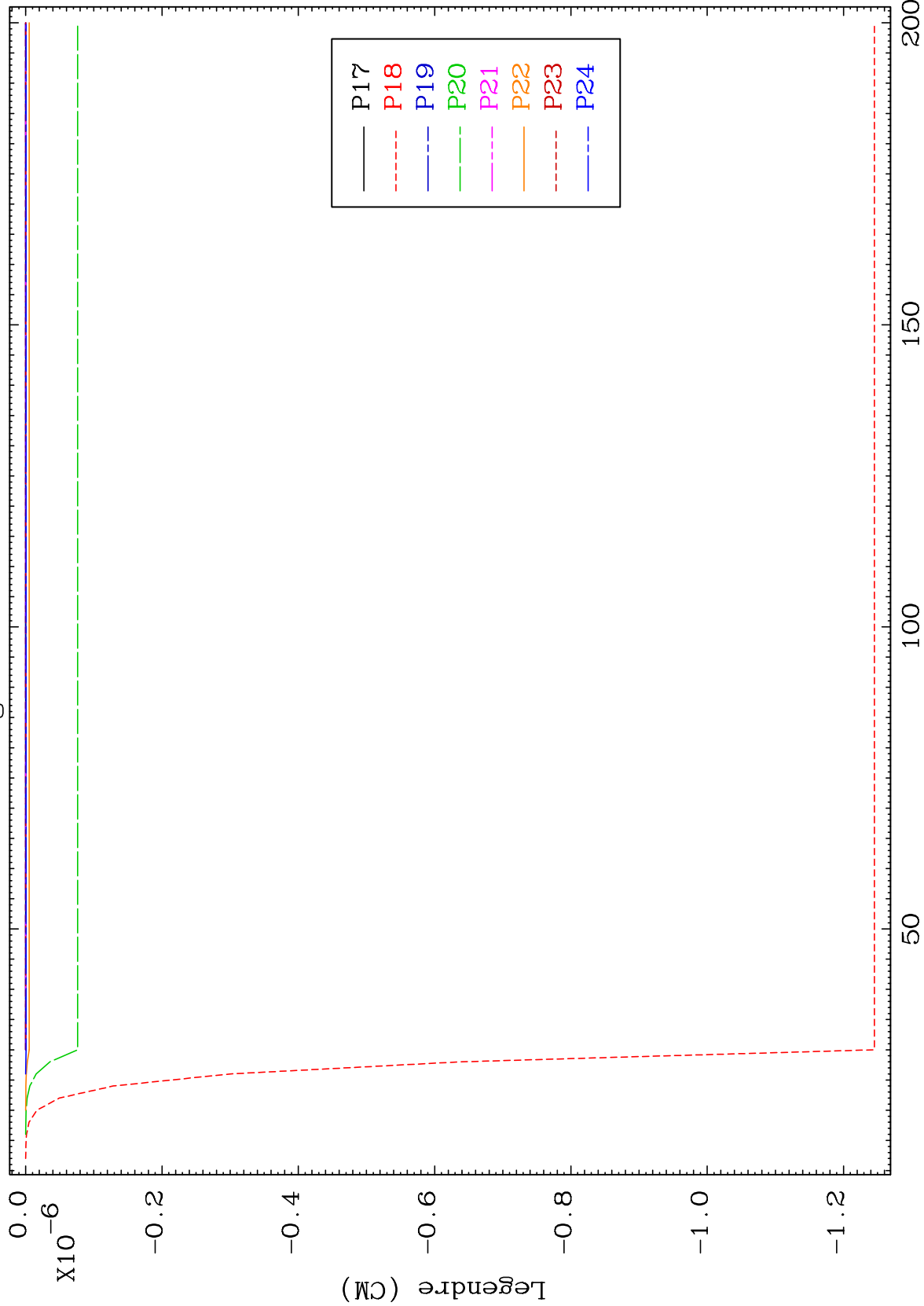
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

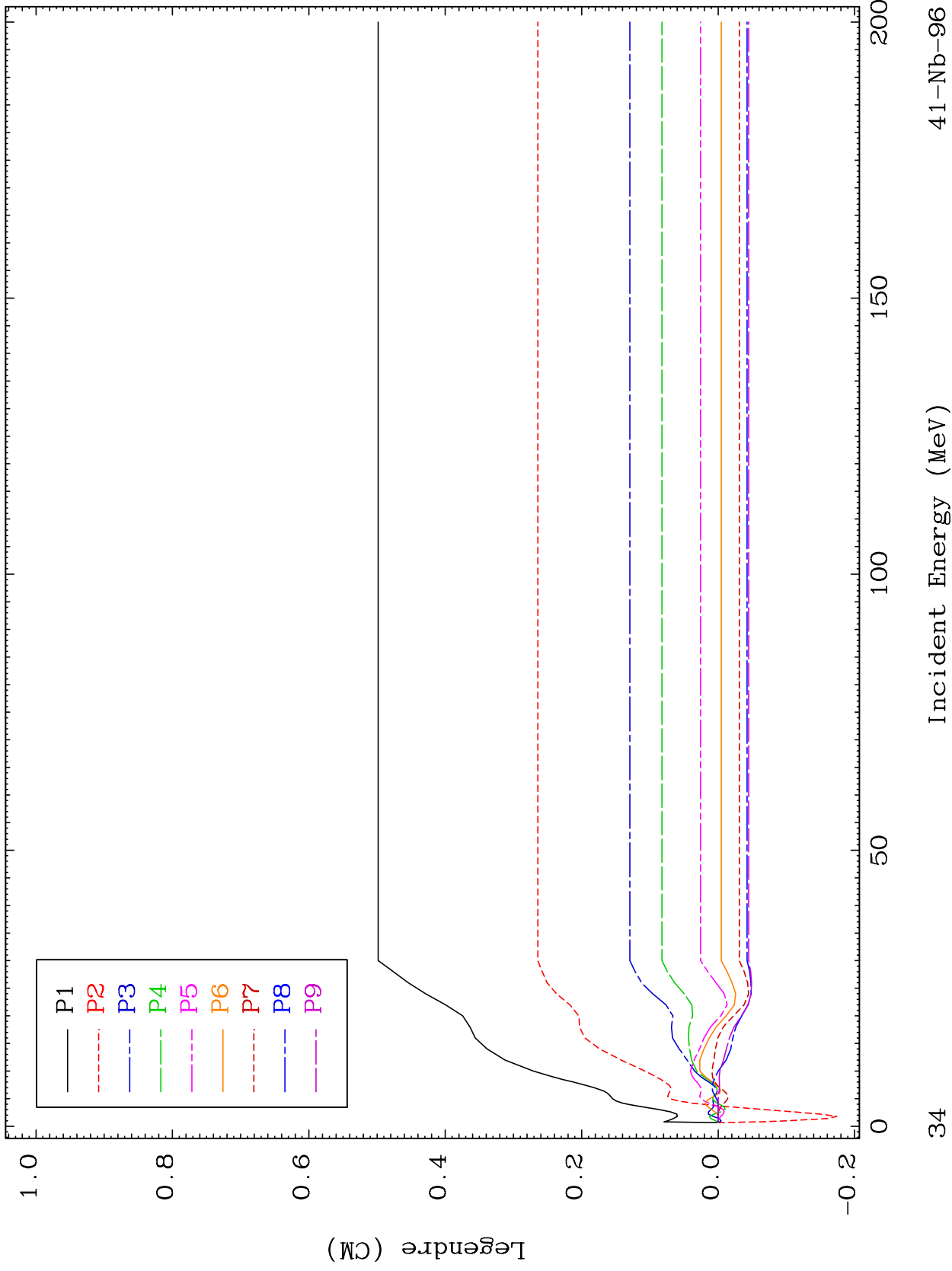
41-Nb-96



MAT 4134

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

41-Nb-96



34

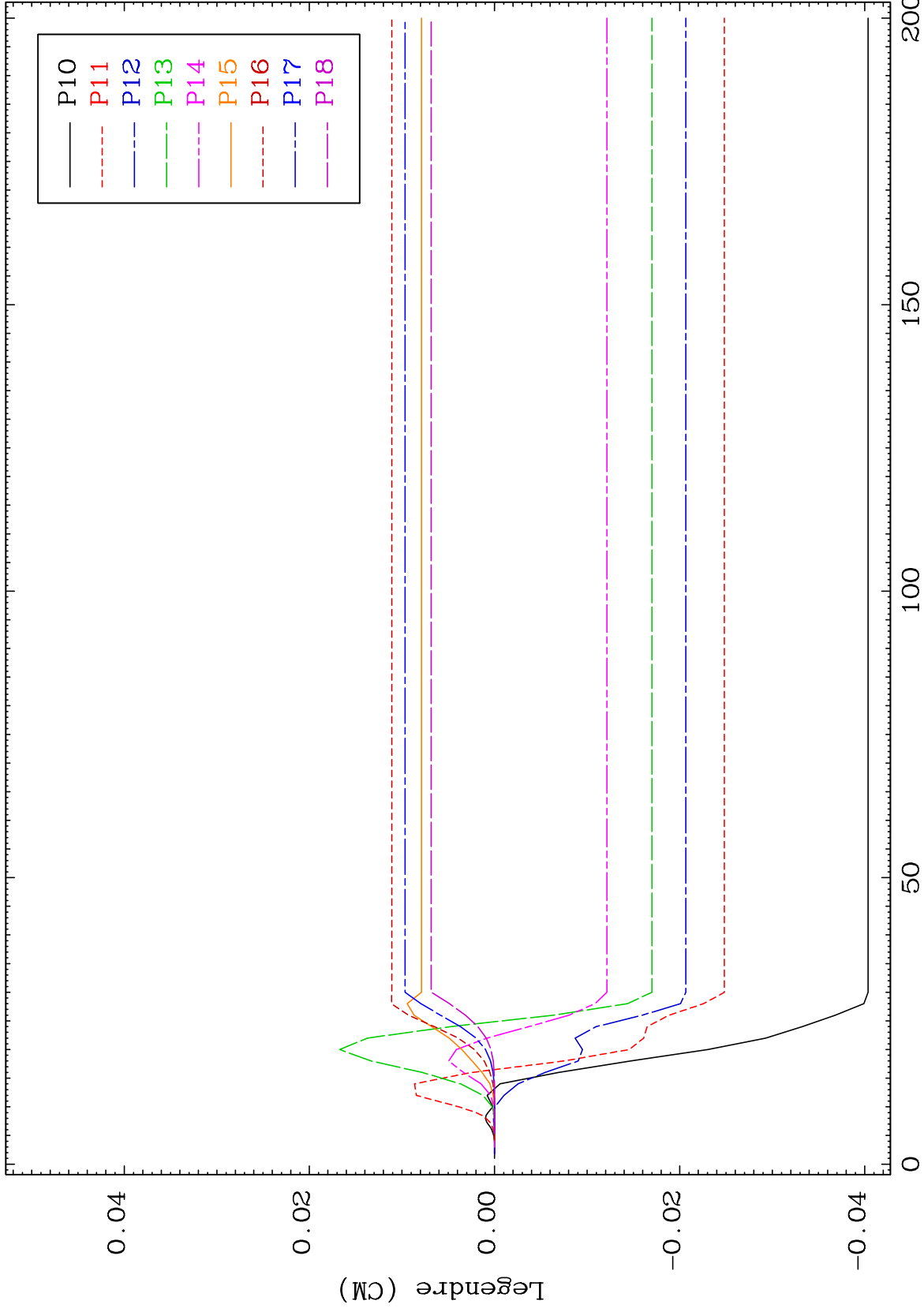
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



35

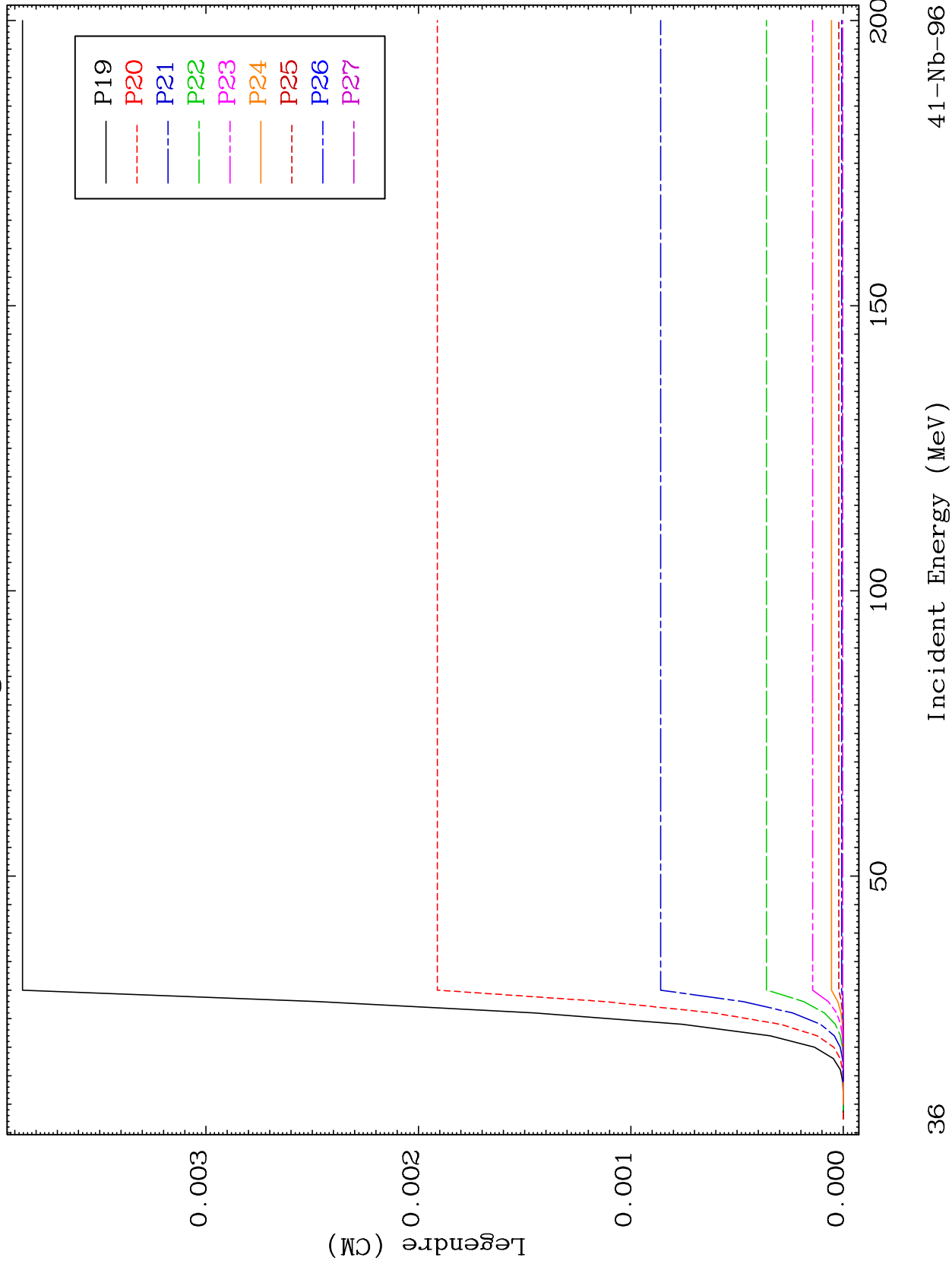
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

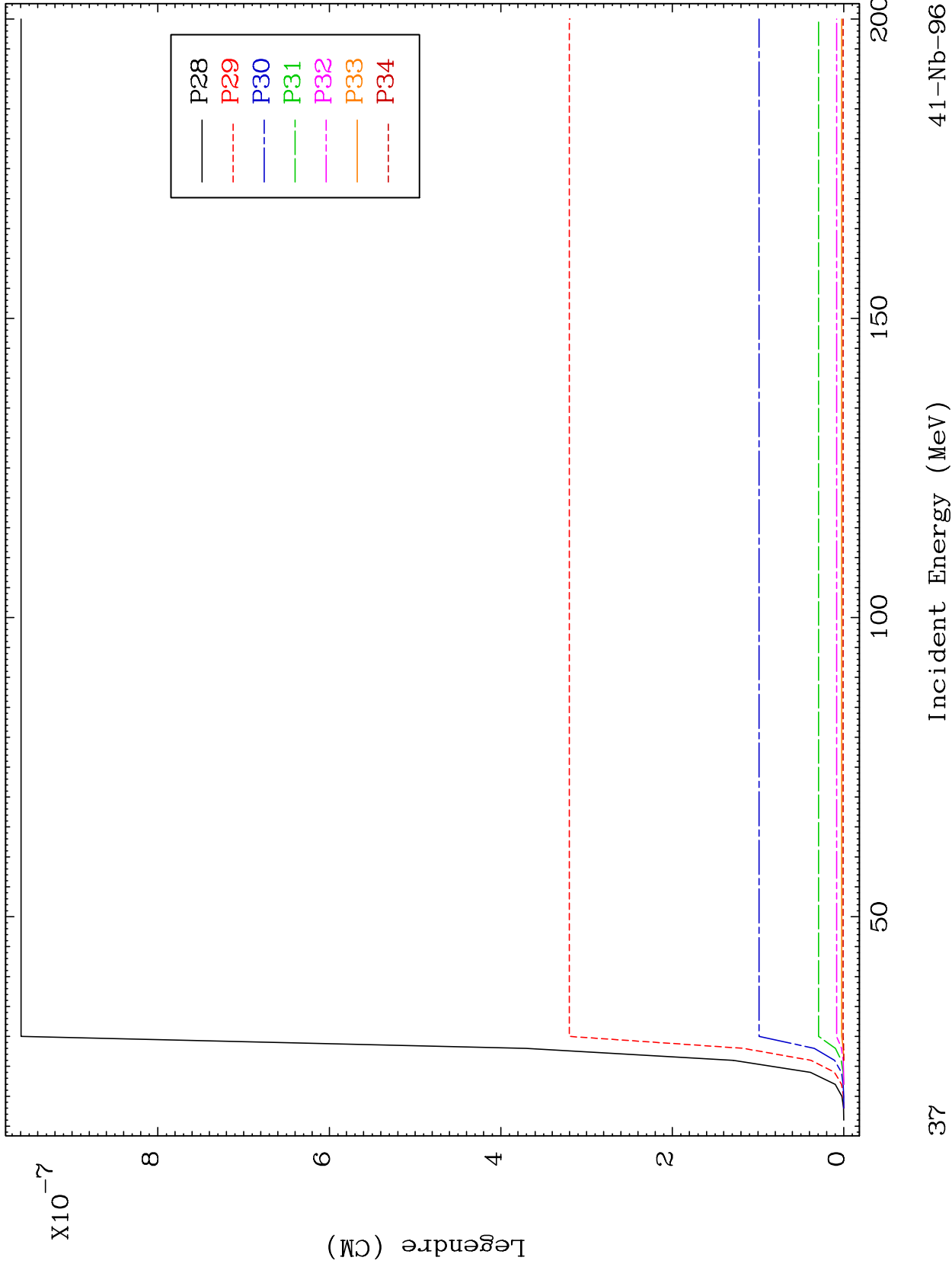


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MAT 4134

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

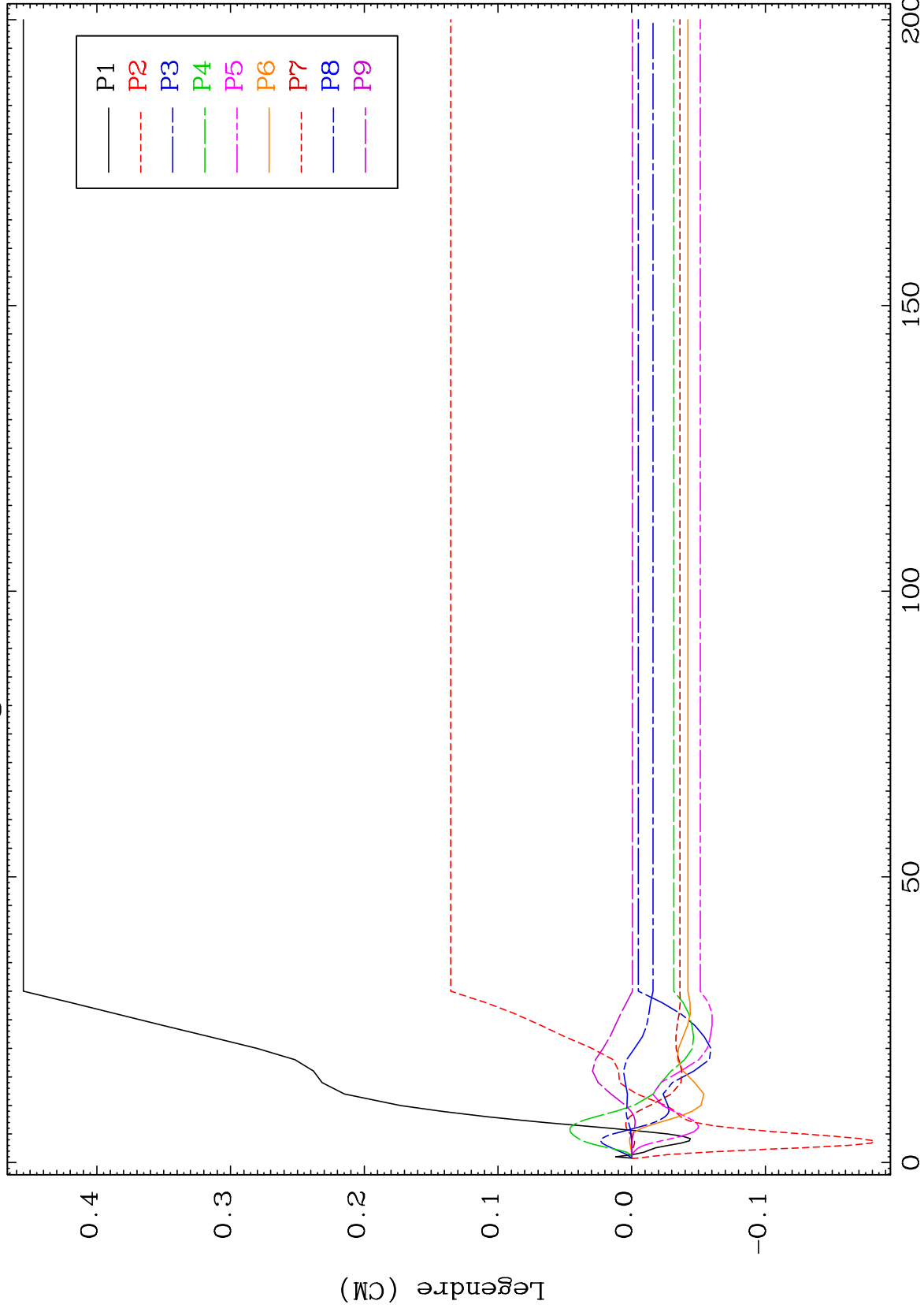
41-Nb-96



MAT 4134

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

41-Nb-96



38

Incident Energy (MeV)

41-Nb-96

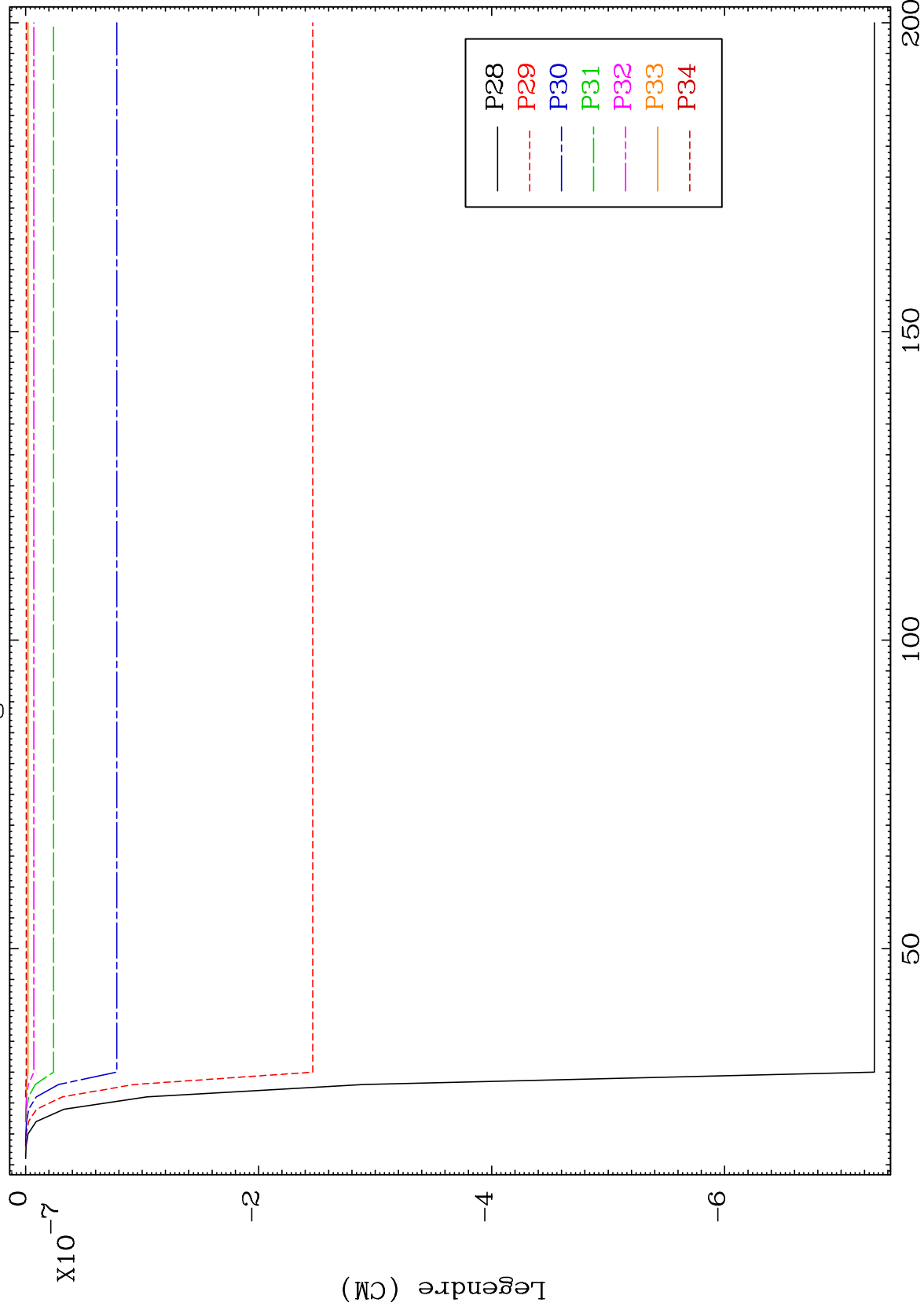




MAT 4134

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

41-Nb-96



41

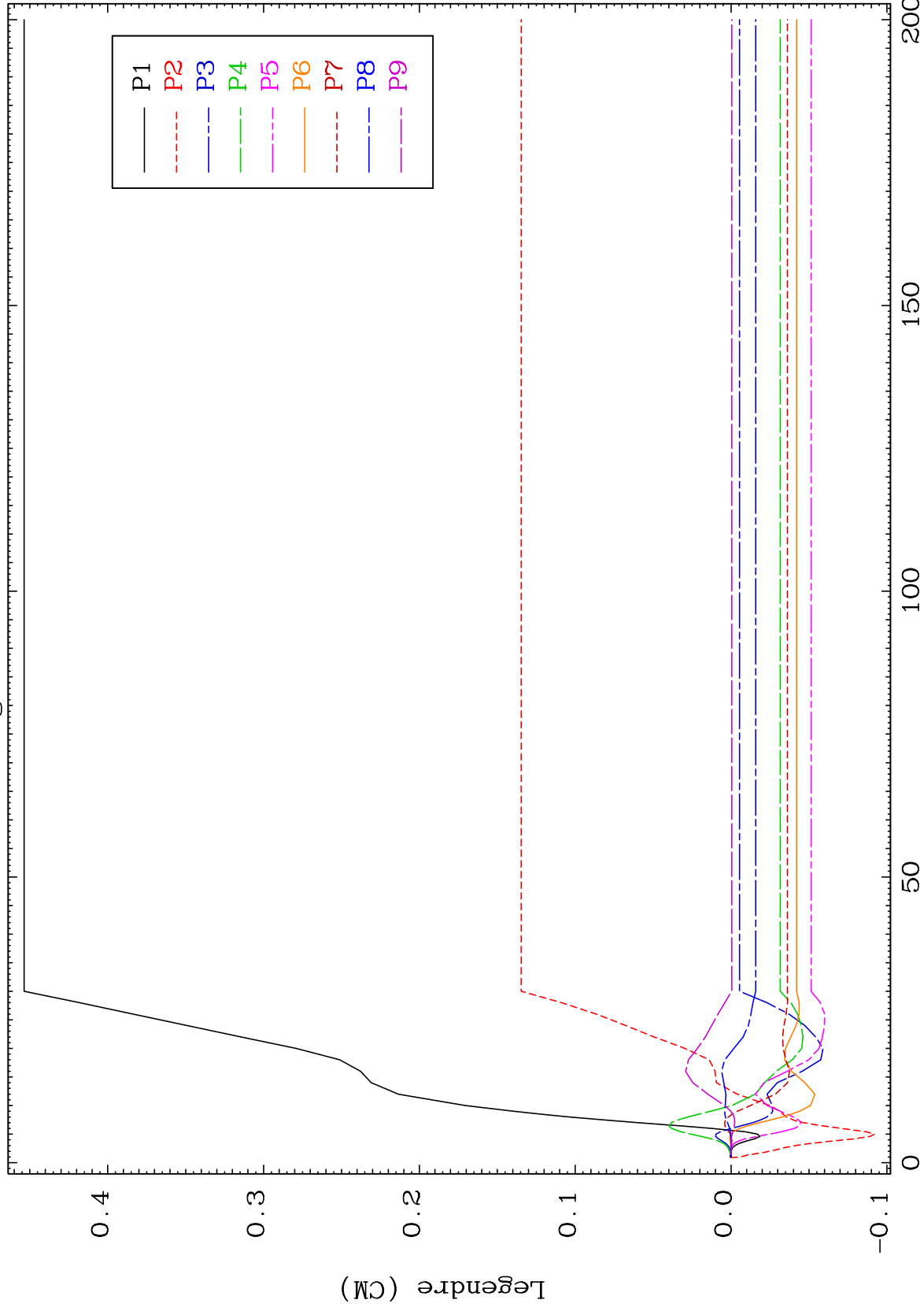
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



42

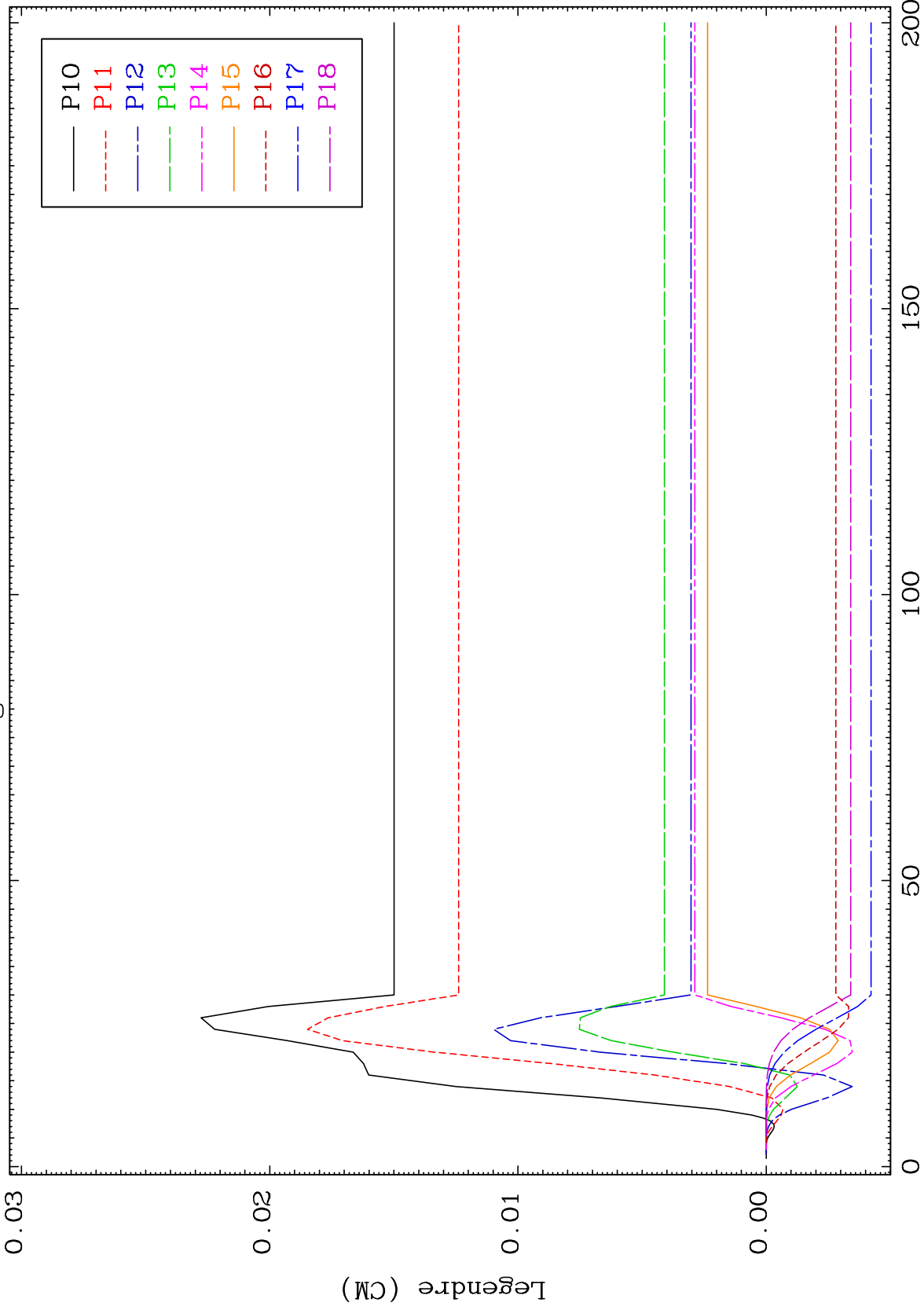
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

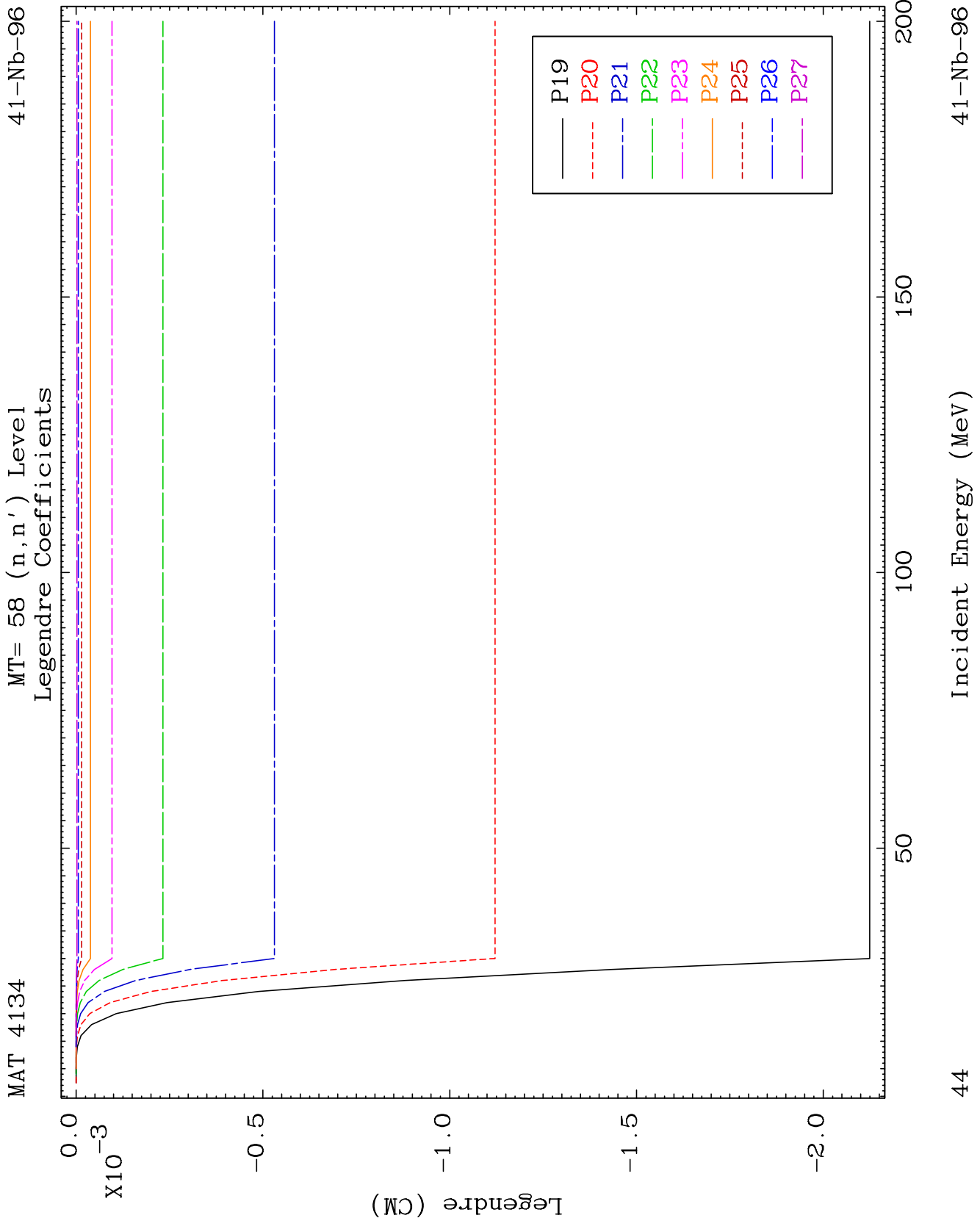
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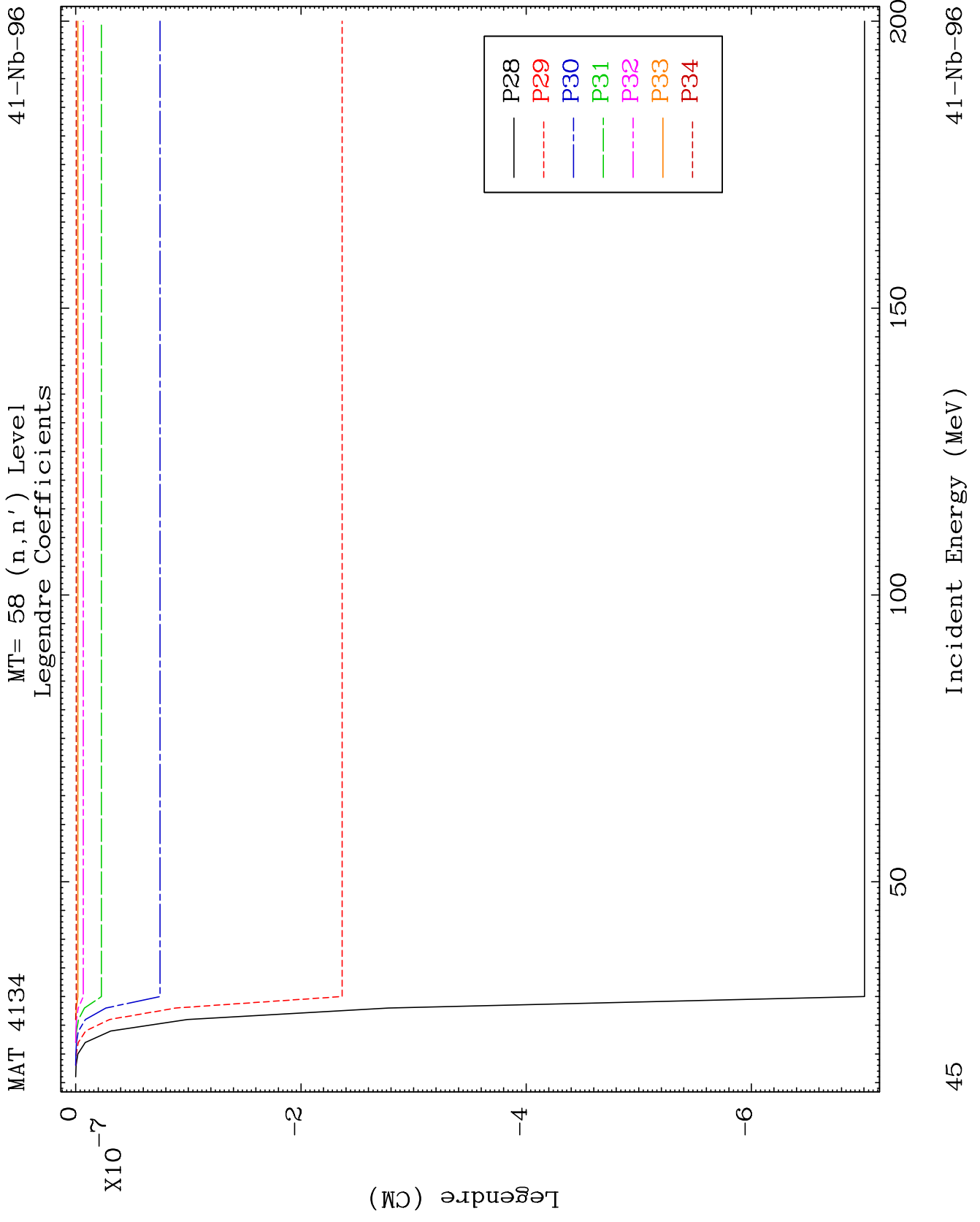


43

Incident Energy (MeV)

41-Nb-96

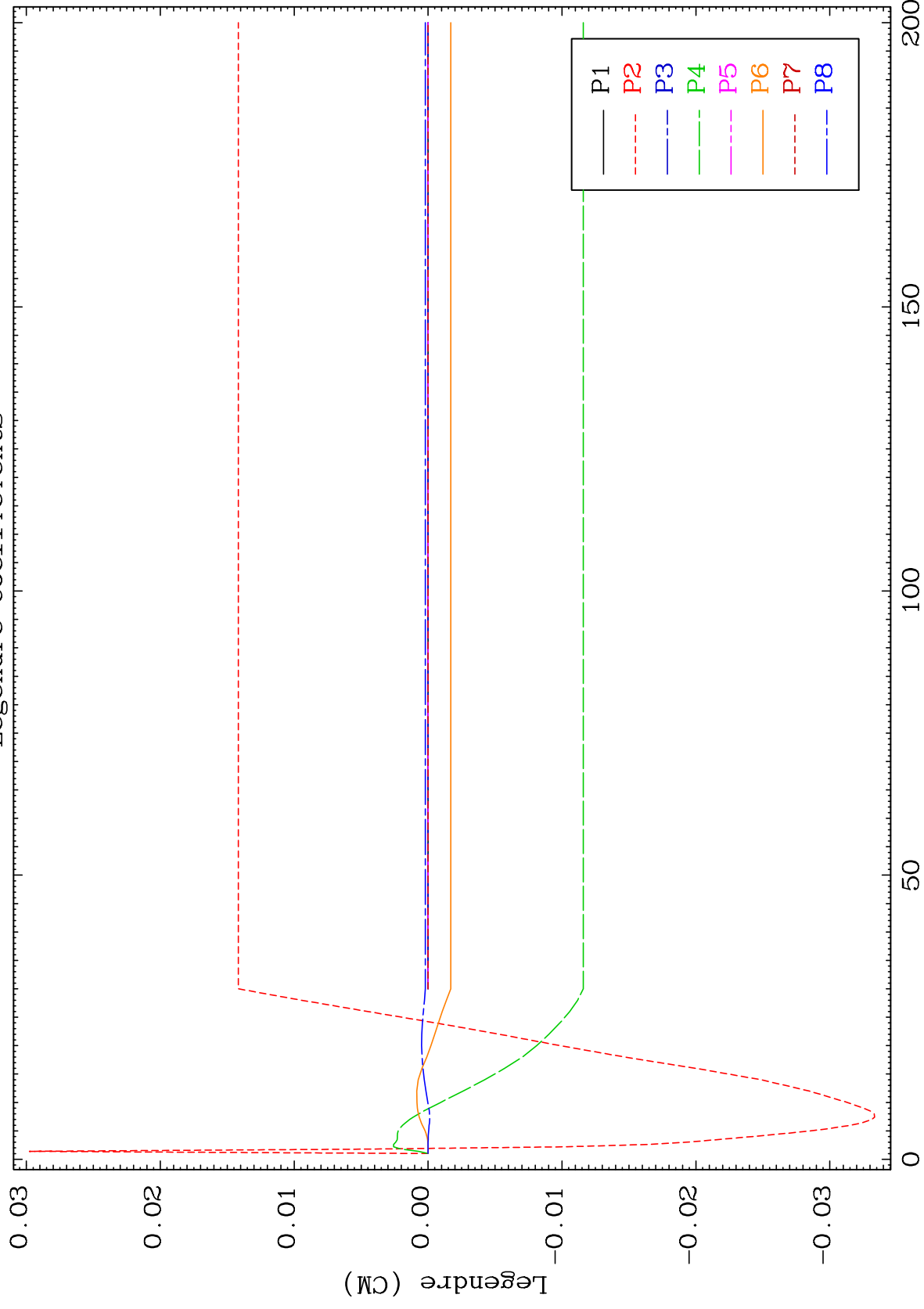




MAT 4134

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

41-Nb-96



46

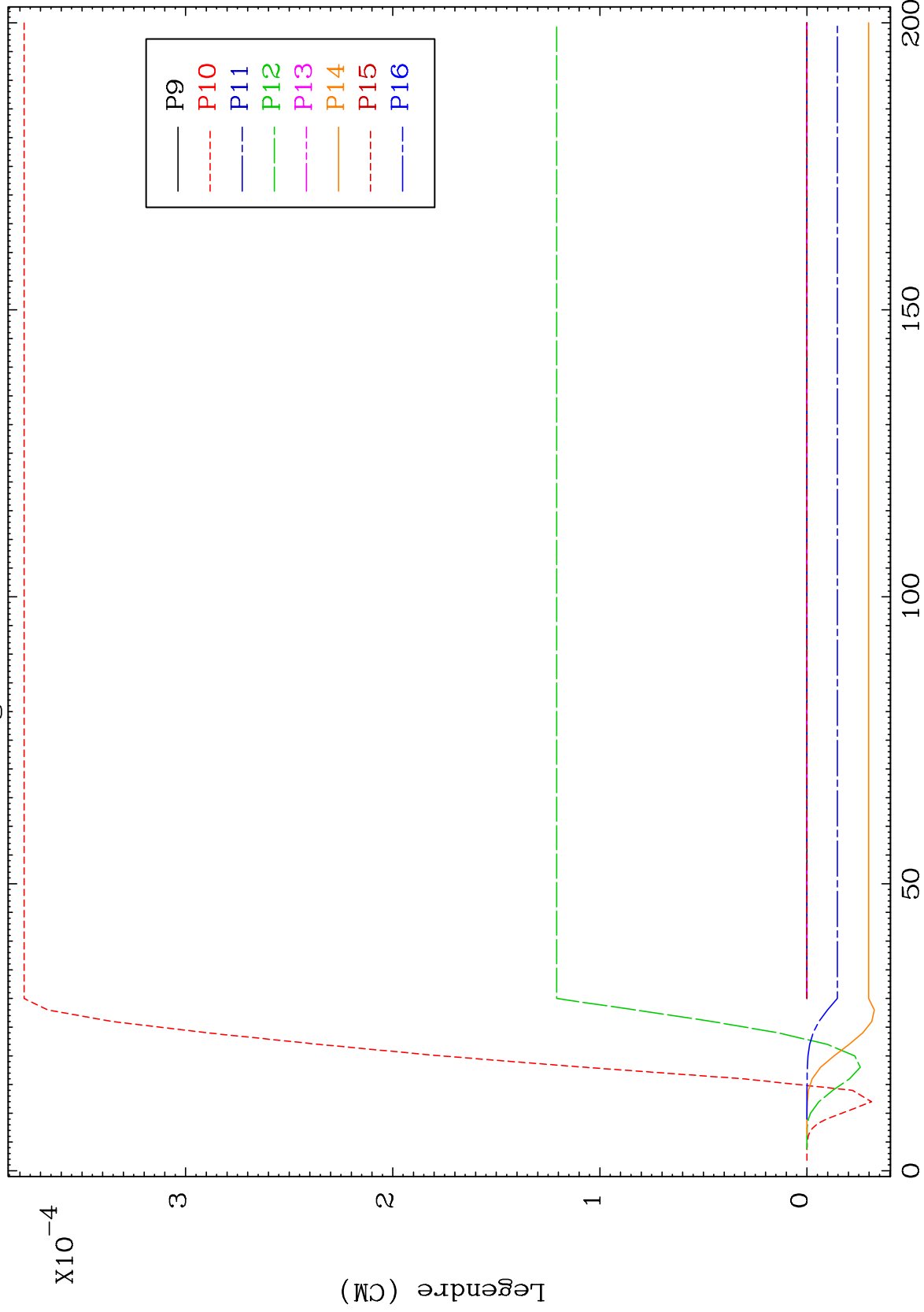
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

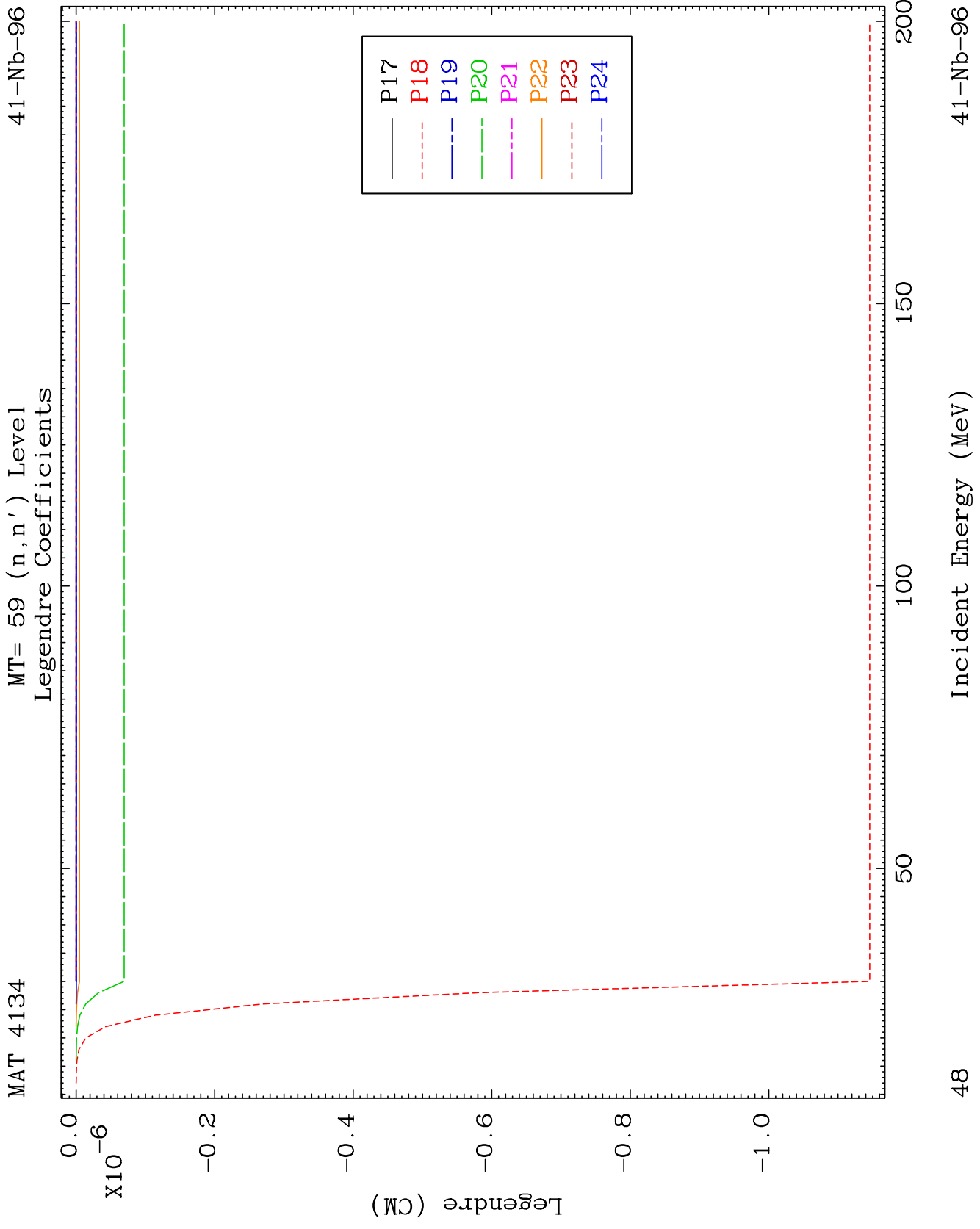
41-Nb-96



47

Incident Energy (MeV)

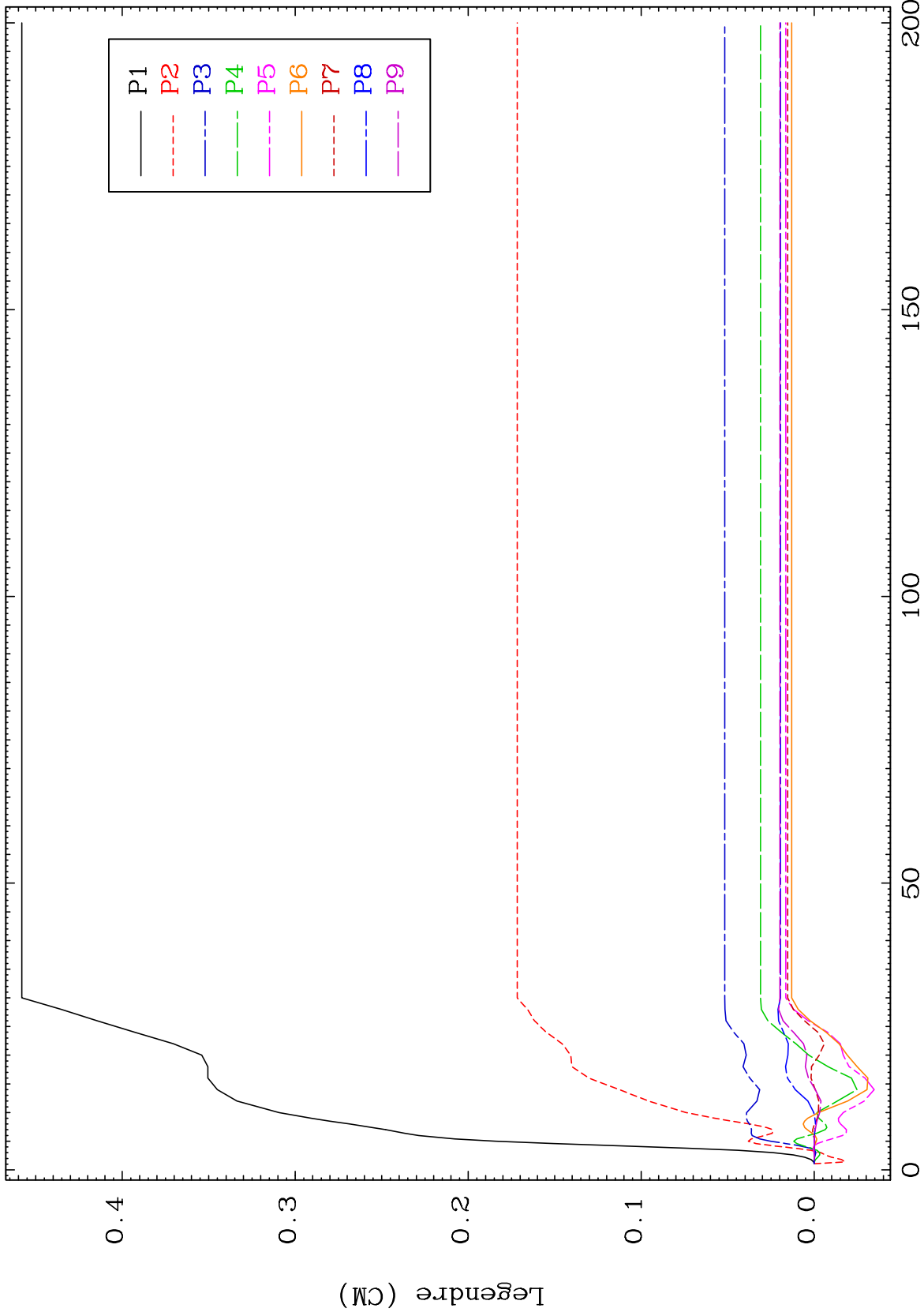
41-Nb-96



MAT 4134

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

41-Nb-96



49

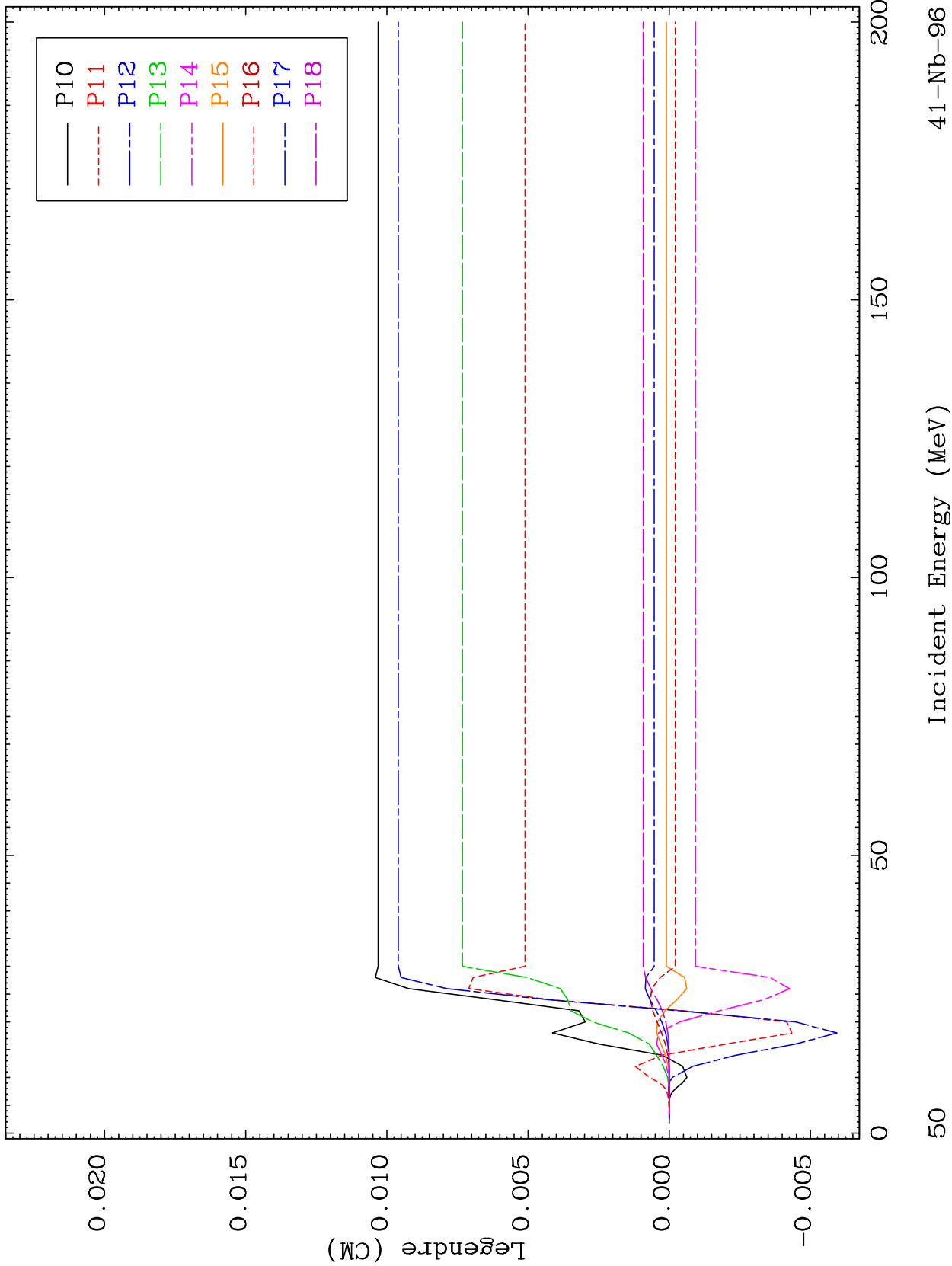
Incident Energy (MeV)

41-Nb-96

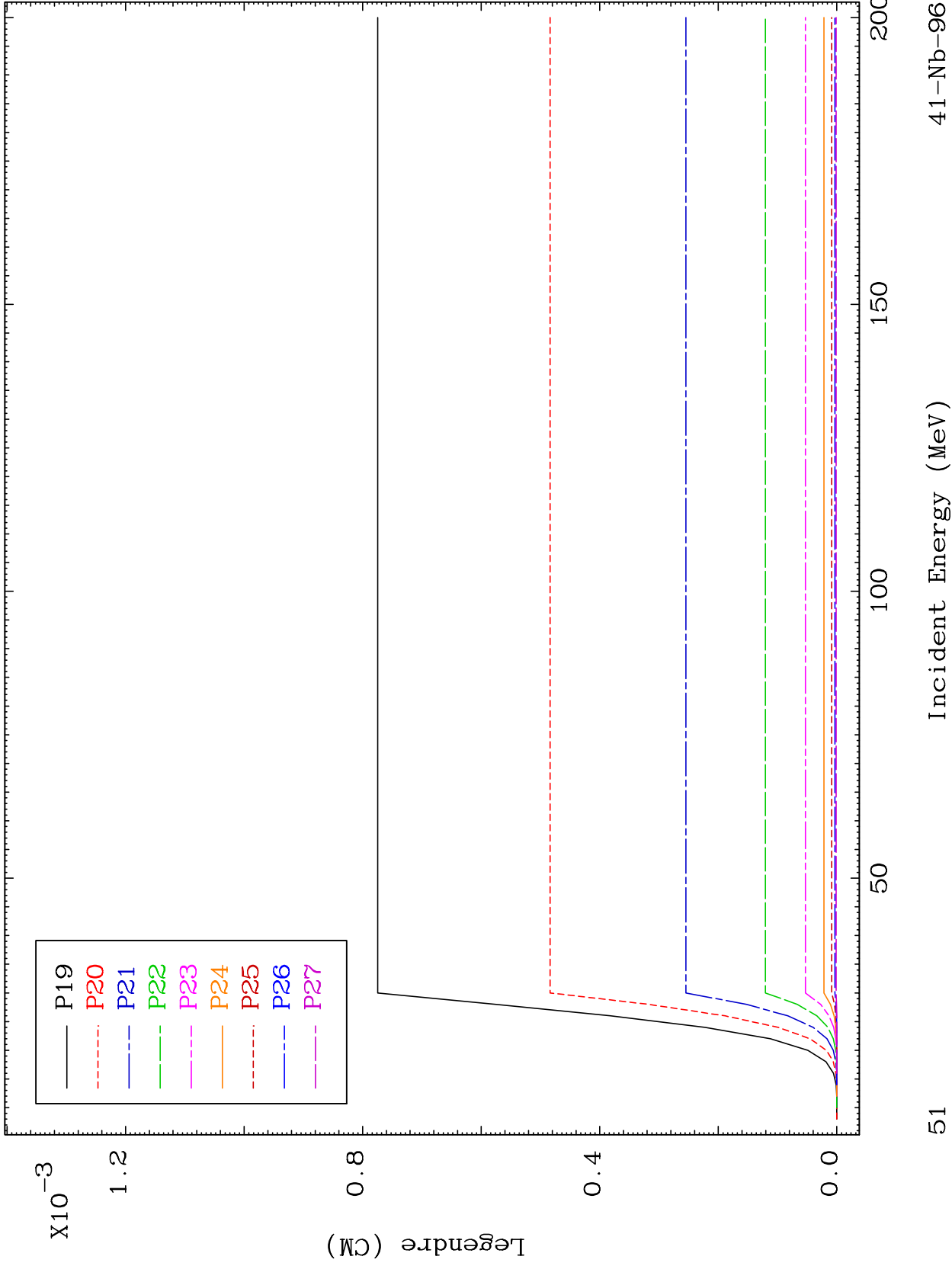
MAT 4134

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

41-Nb-96



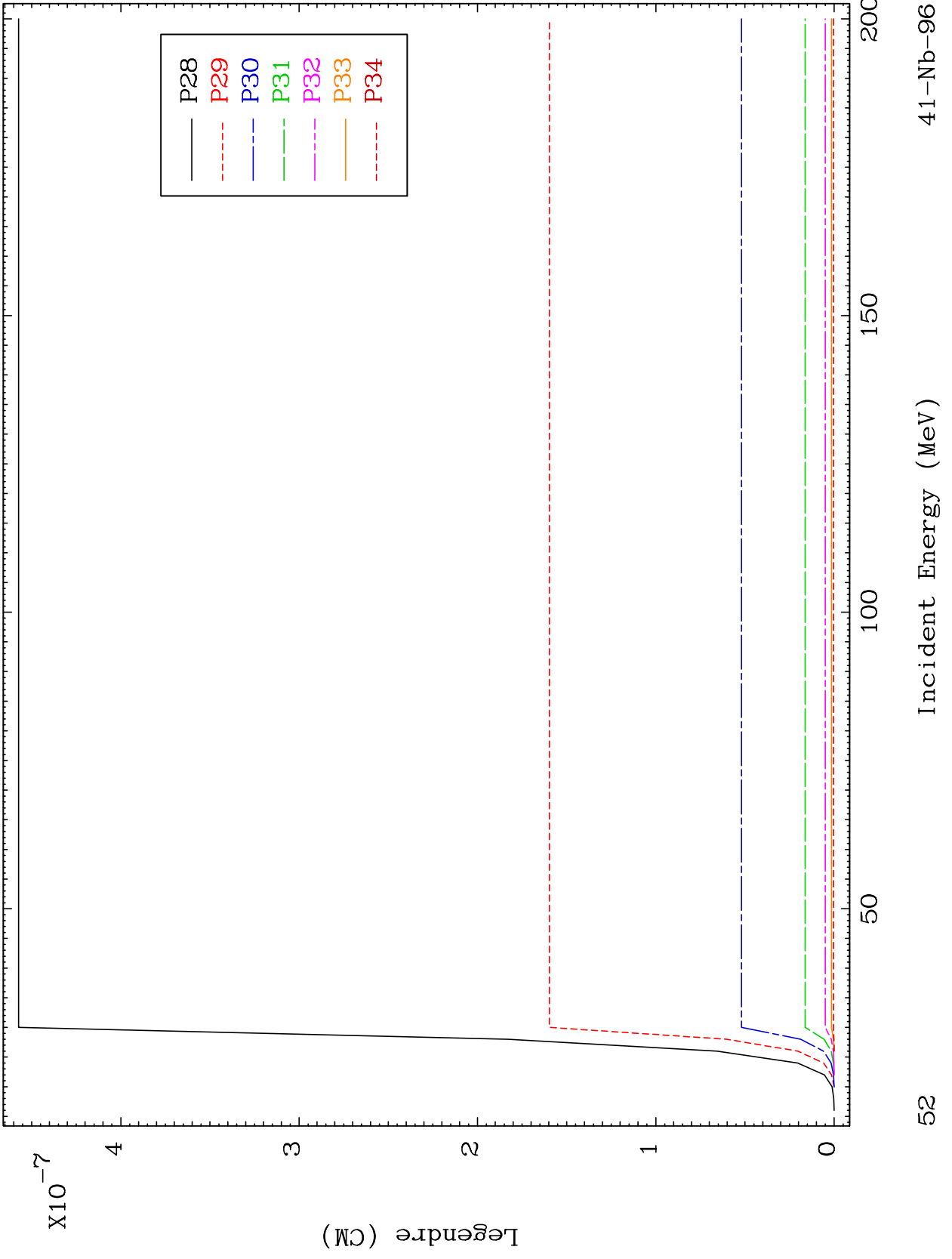
41-Nb-96



MAT 4134

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

41-Nb-96

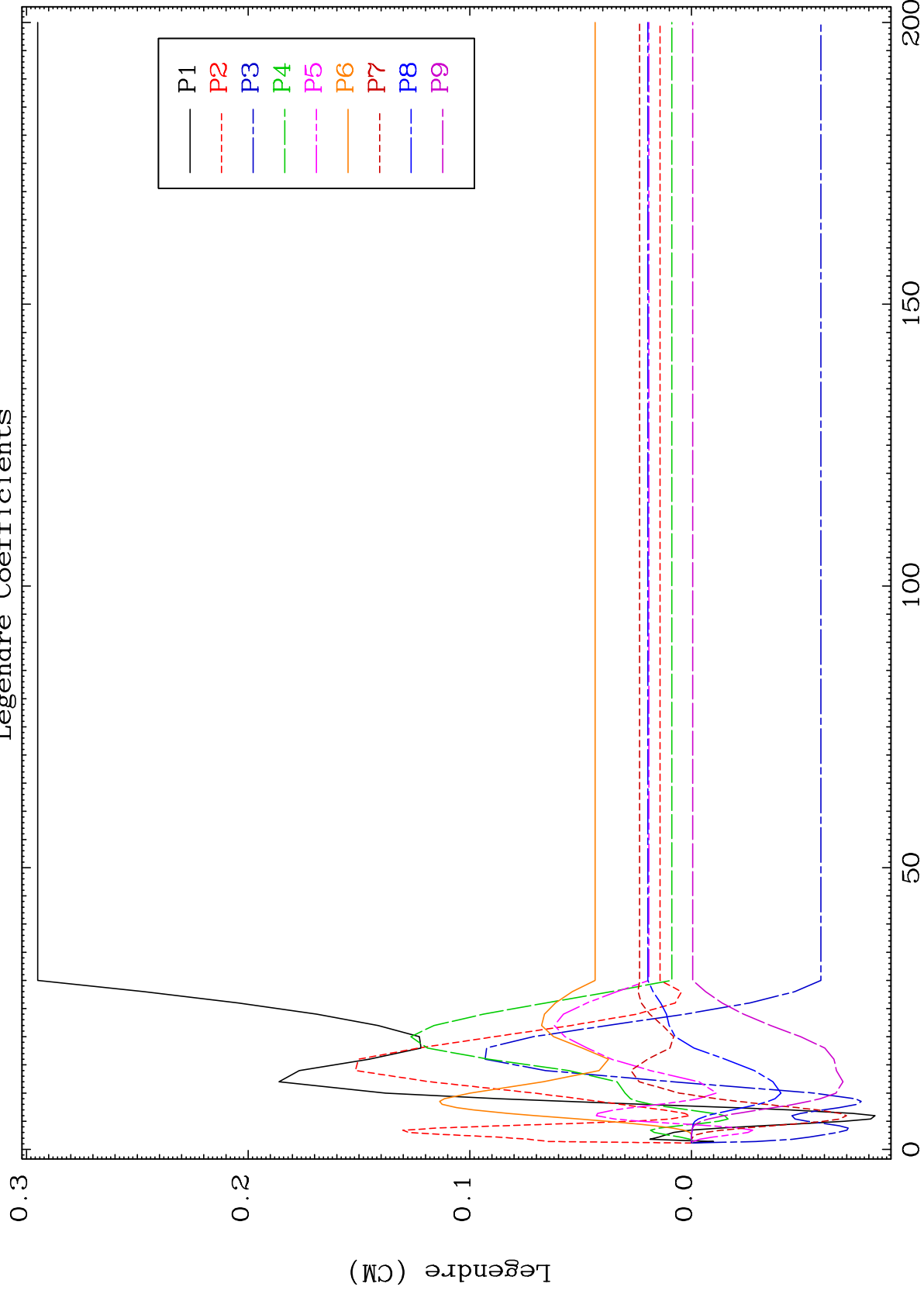


52

MAT 4134

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

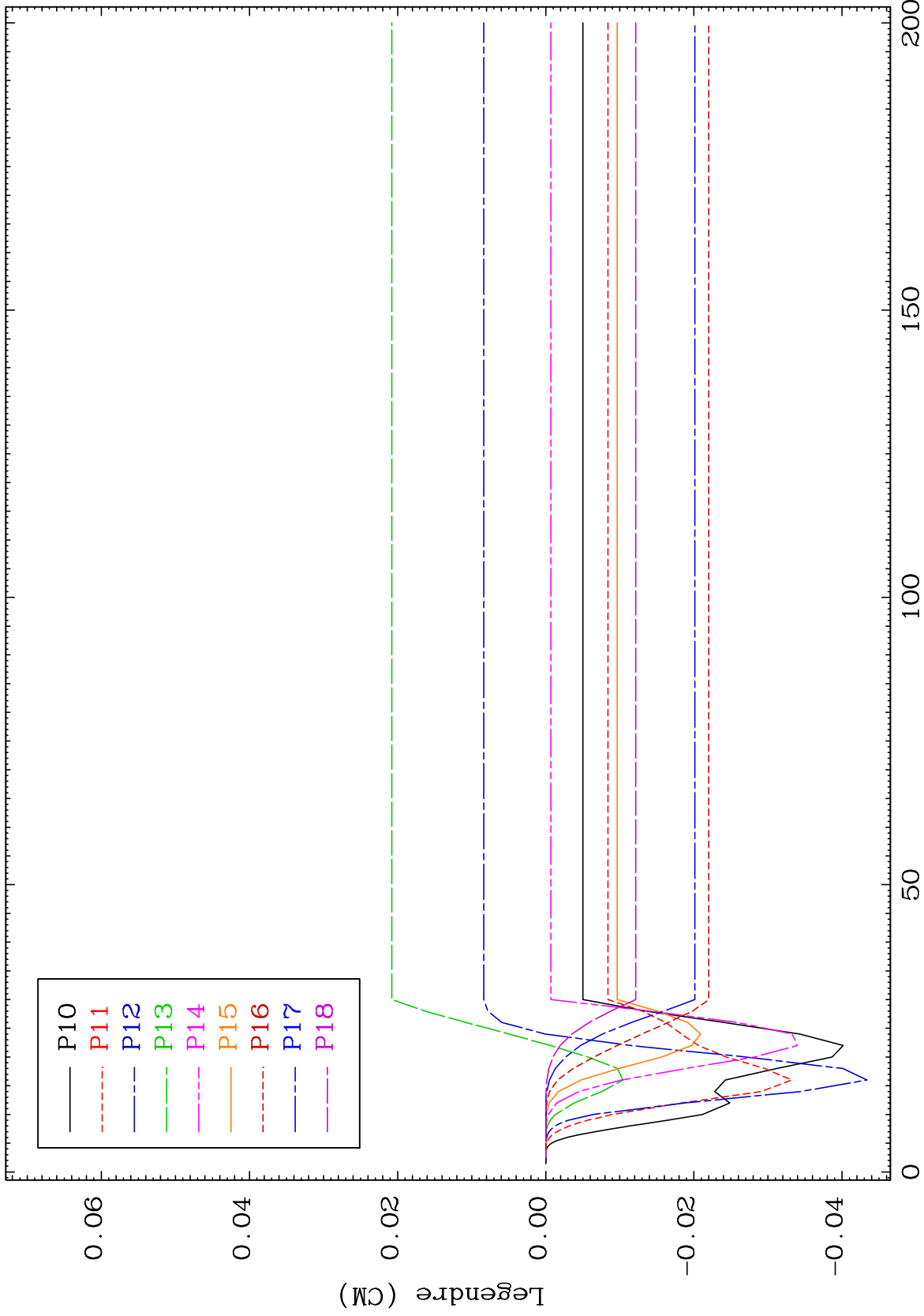
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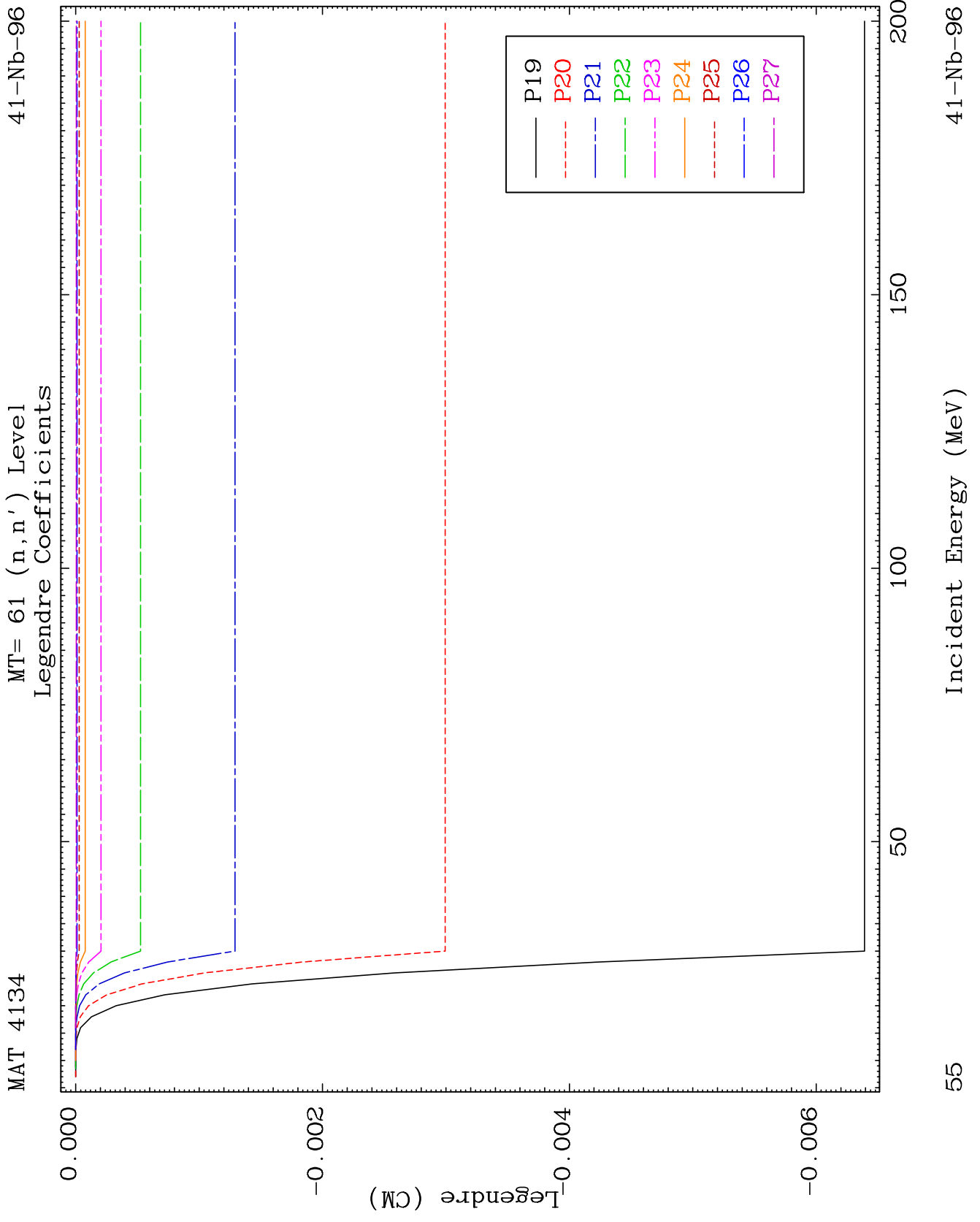


53

Incident Energy (MeV)

41-Nb-96



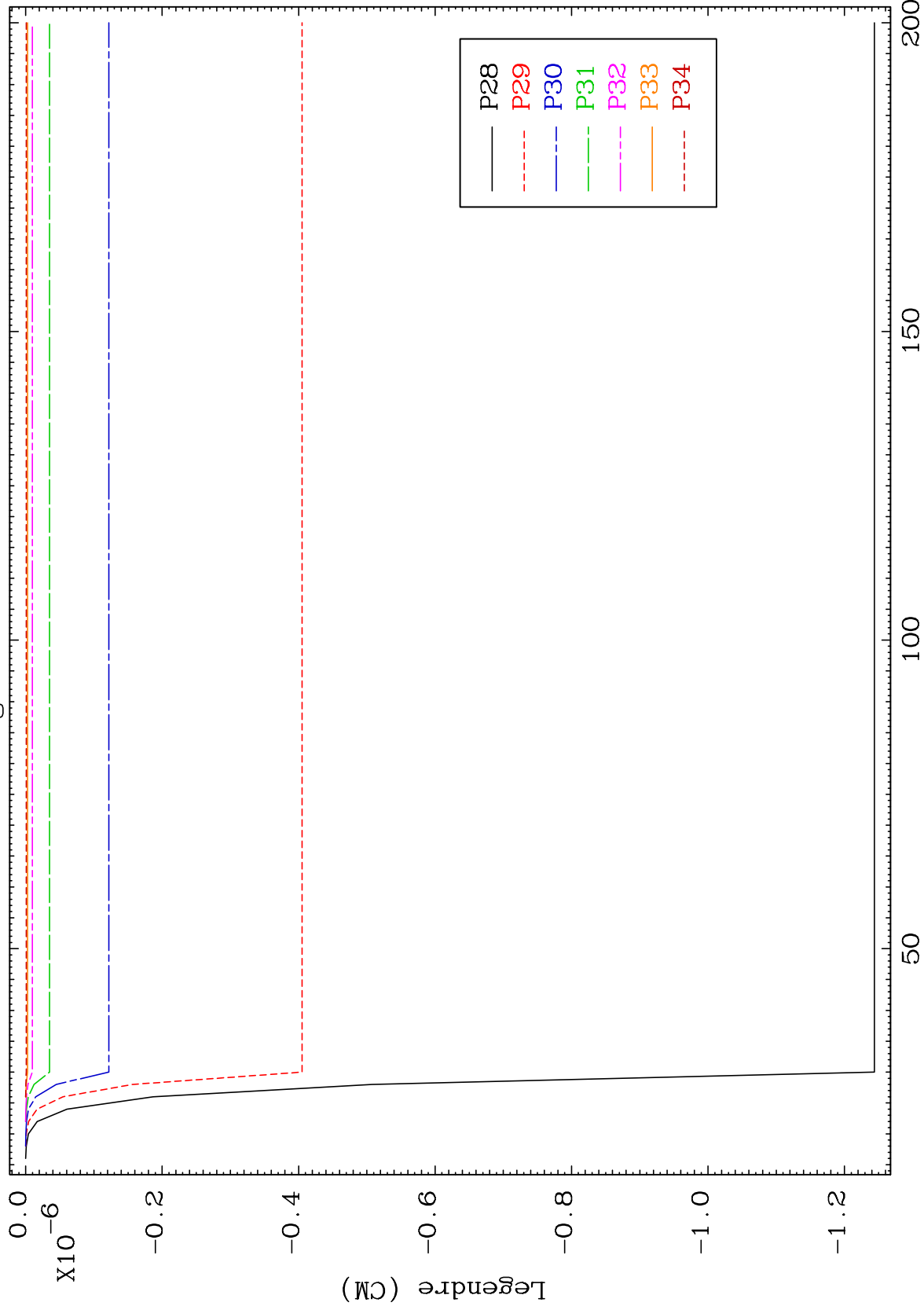


MAT 4134

MT= 61 (n,n') Level

41-Nb-96

Legendre Coefficients



56

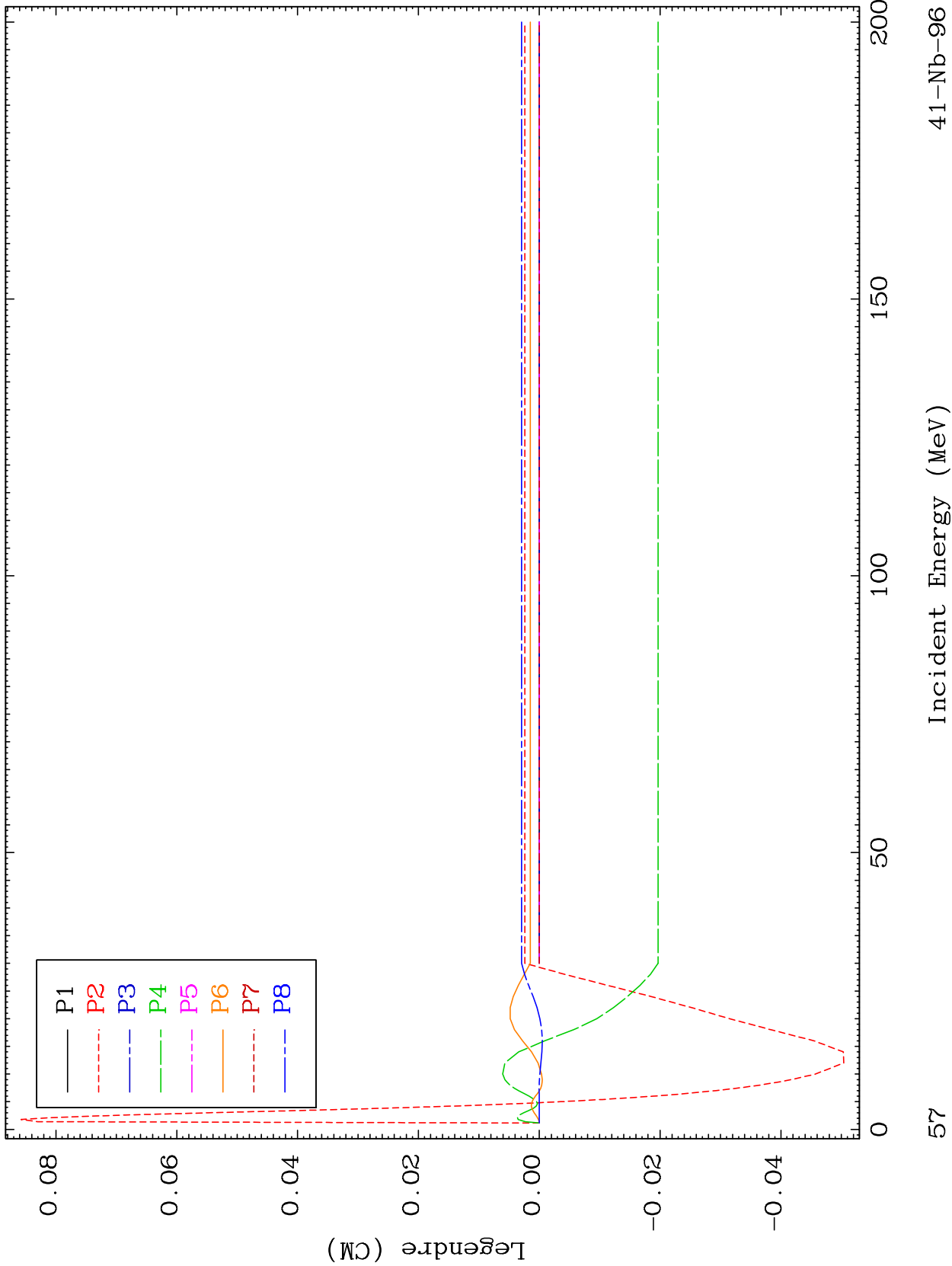
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96

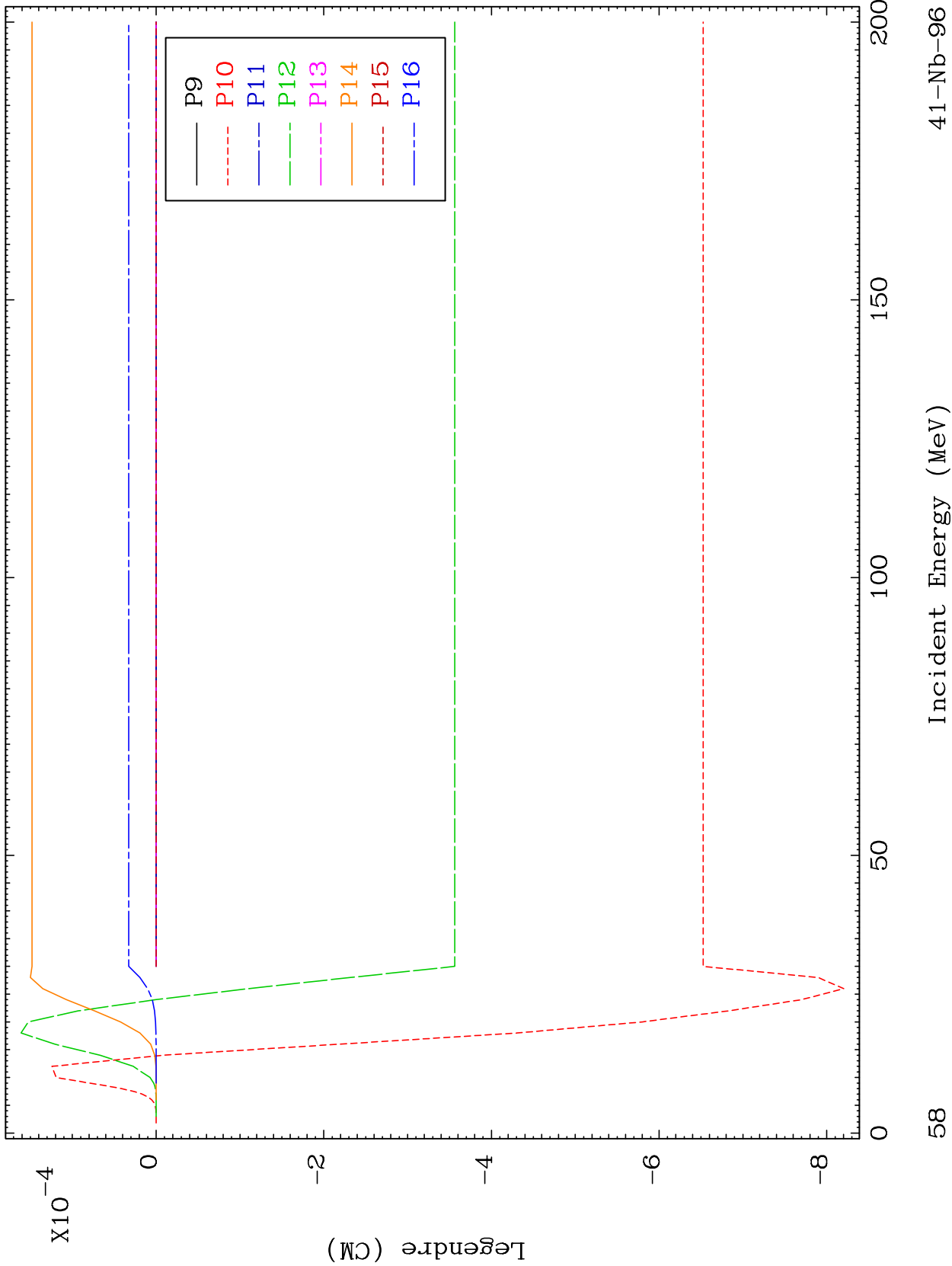


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MAT 4134

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

41-Nb-96



58

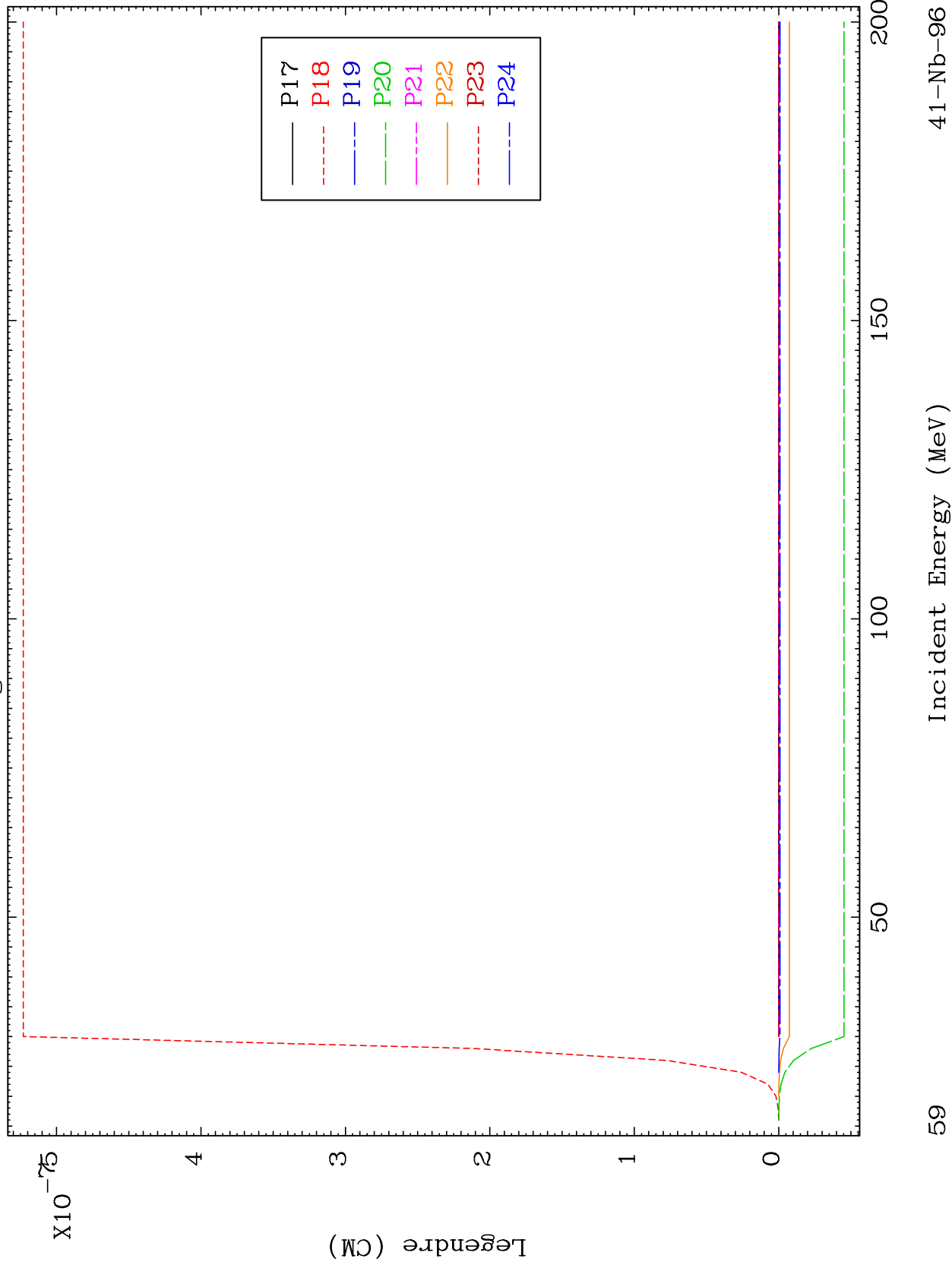
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

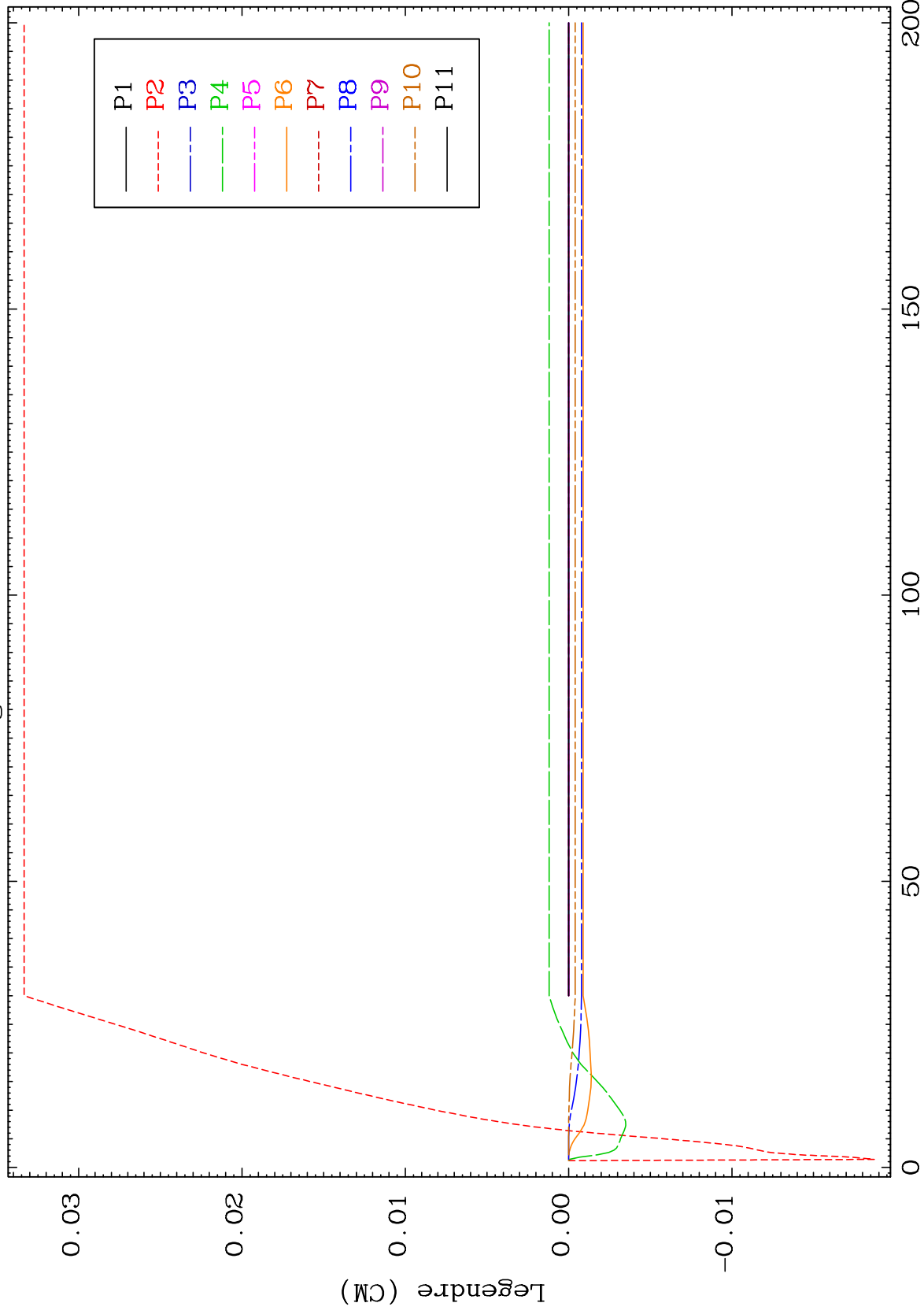
41-Nb-96



MAT 4134

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

41-Nb-96



41-Nb-96

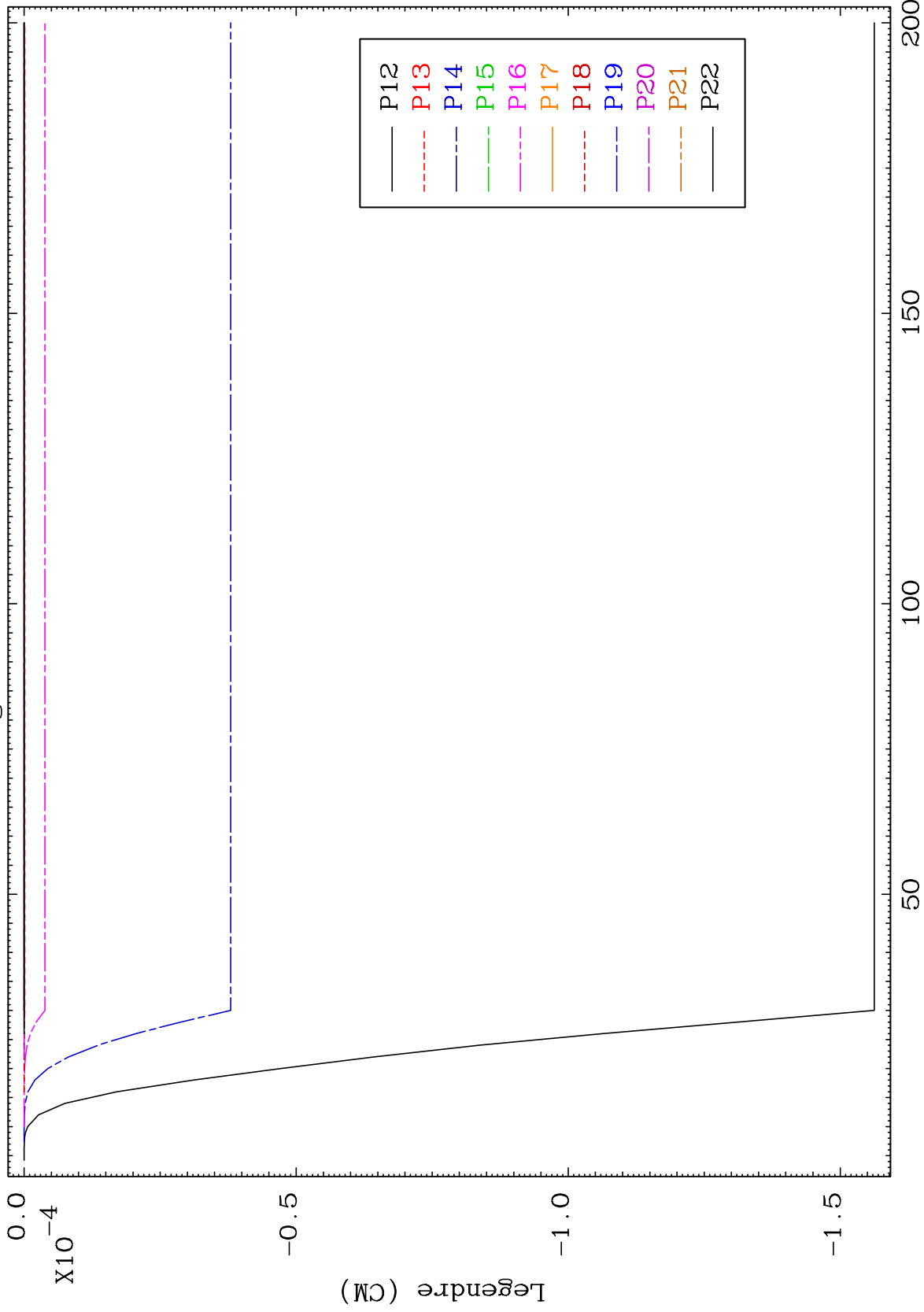
Incident Energy (MeV)

60

MAT 4134

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

41-Nb-96



61

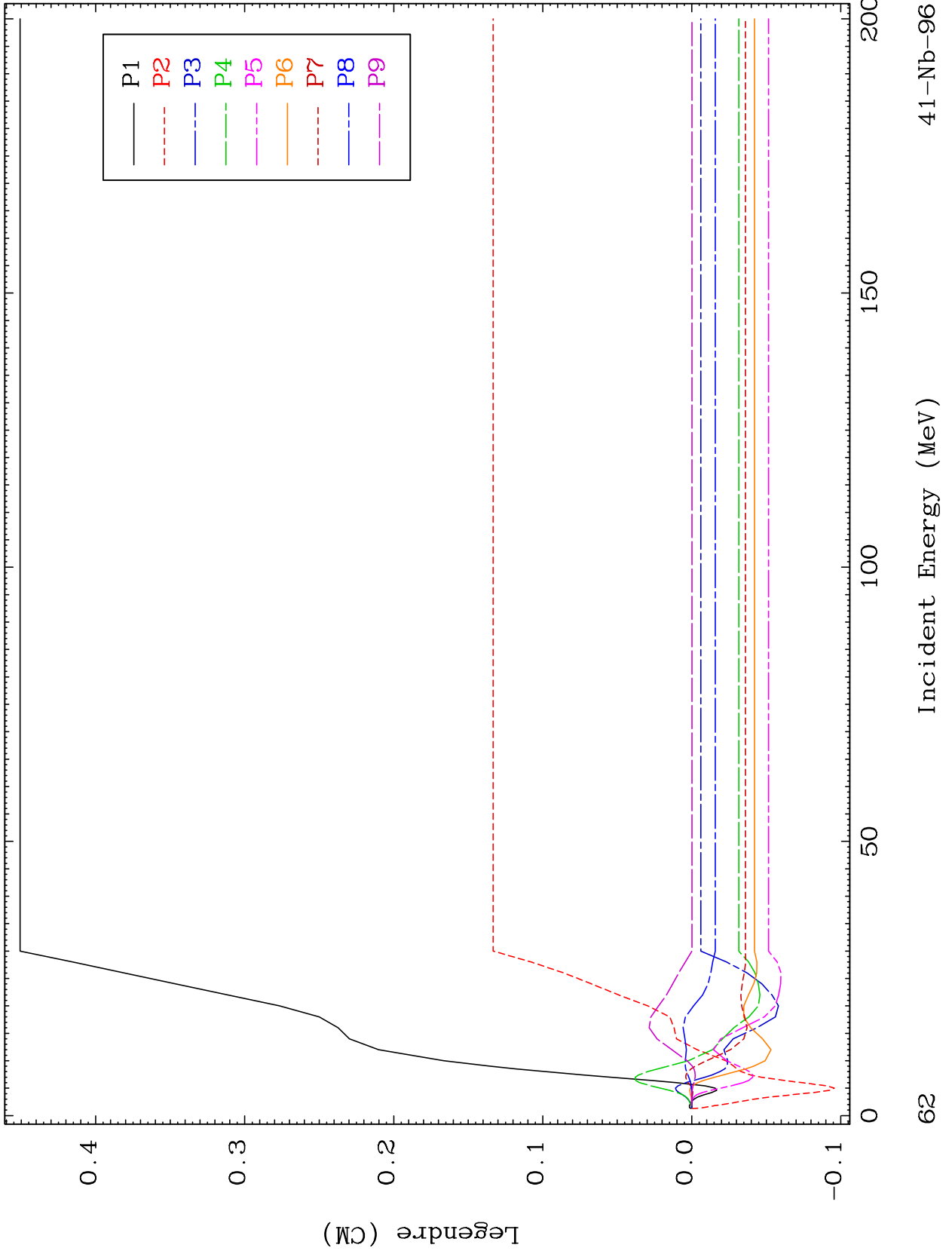
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



41-Nb-96

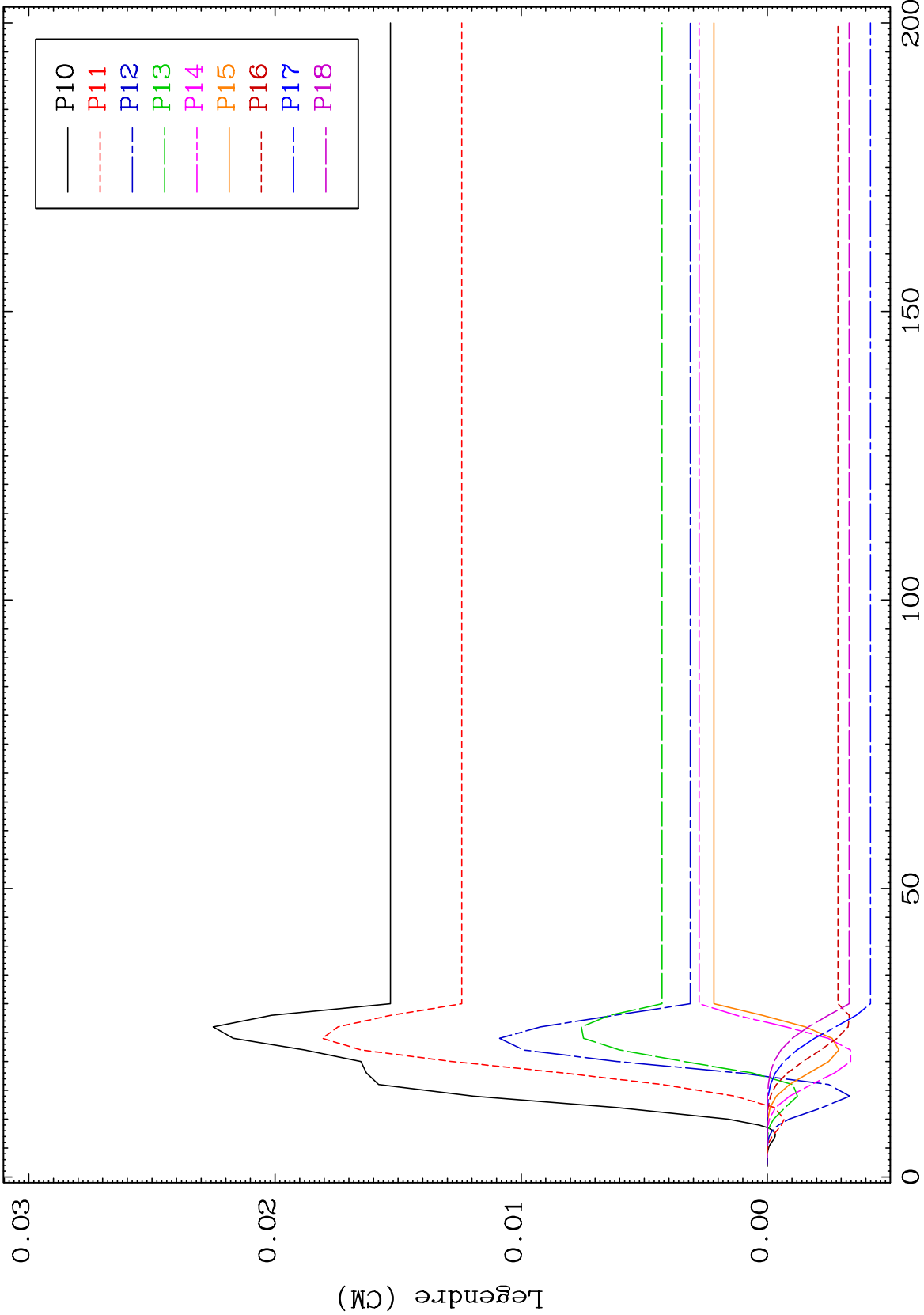
Incident Energy (MeV)

62

MAT 4134

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

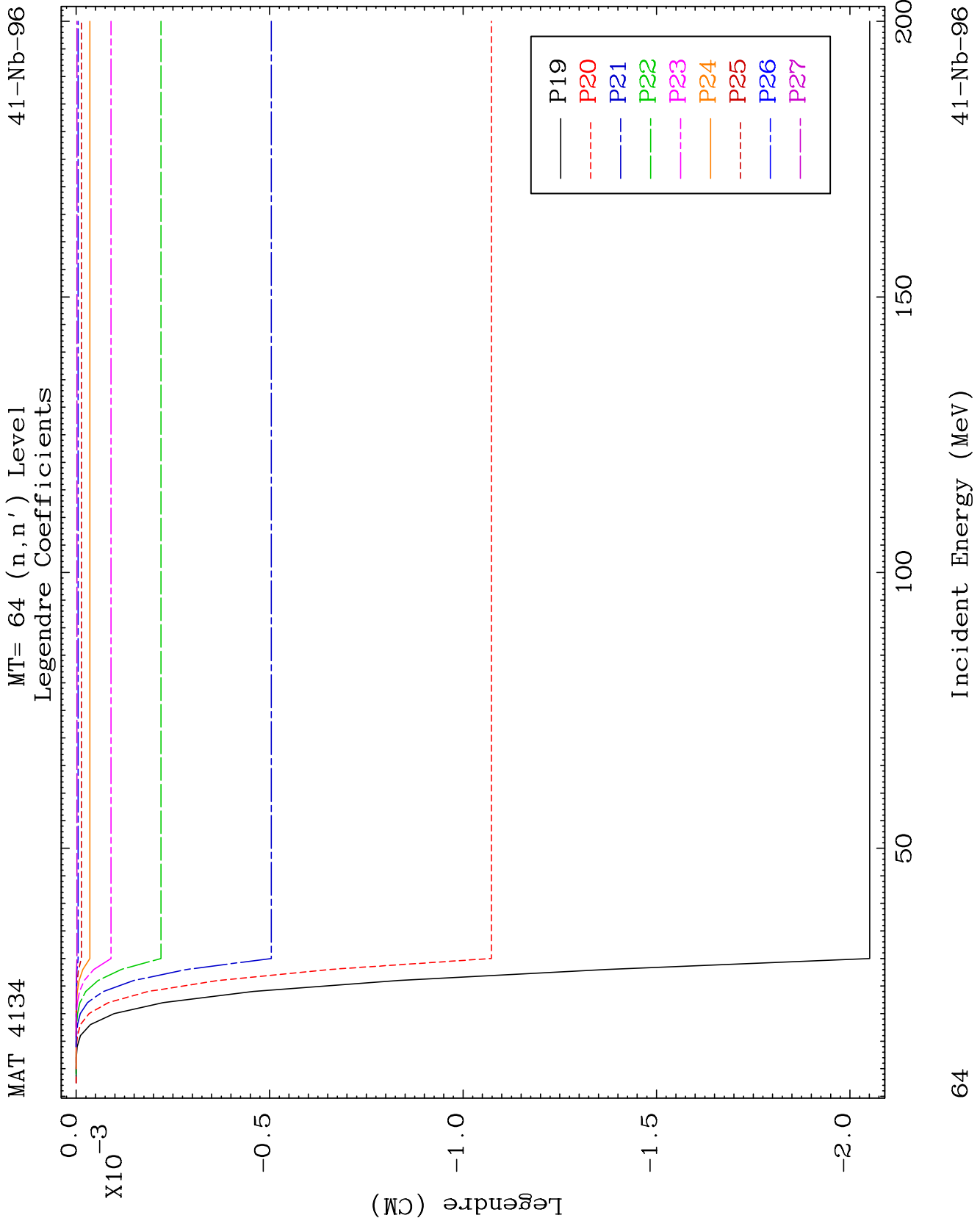
41-Nb-96



63

Incident Energy (MeV)

41-Nb-96

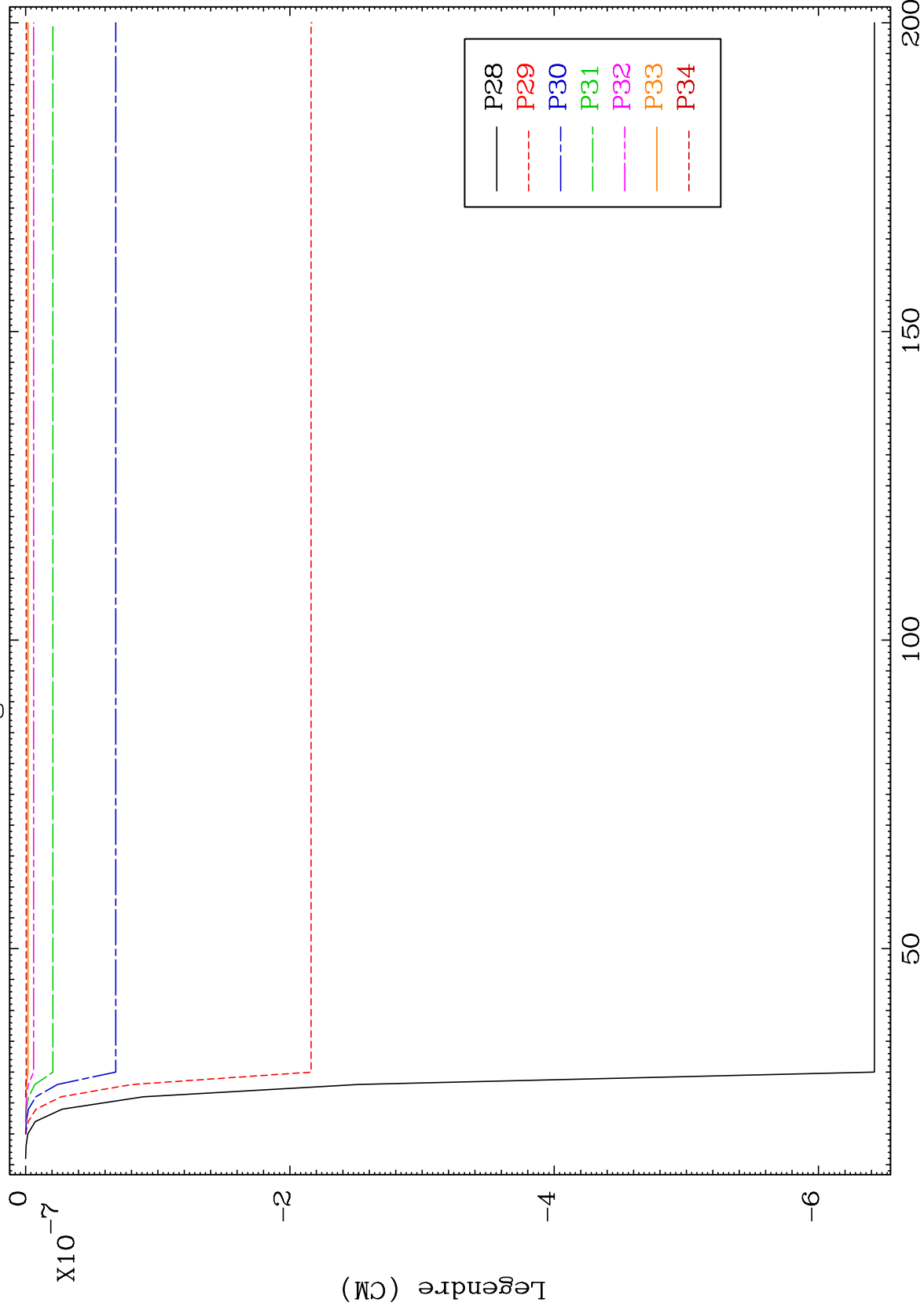


MAT 4134

MT= 64 (n,n') Level

41-Nb-96

Legendre Coefficients



65

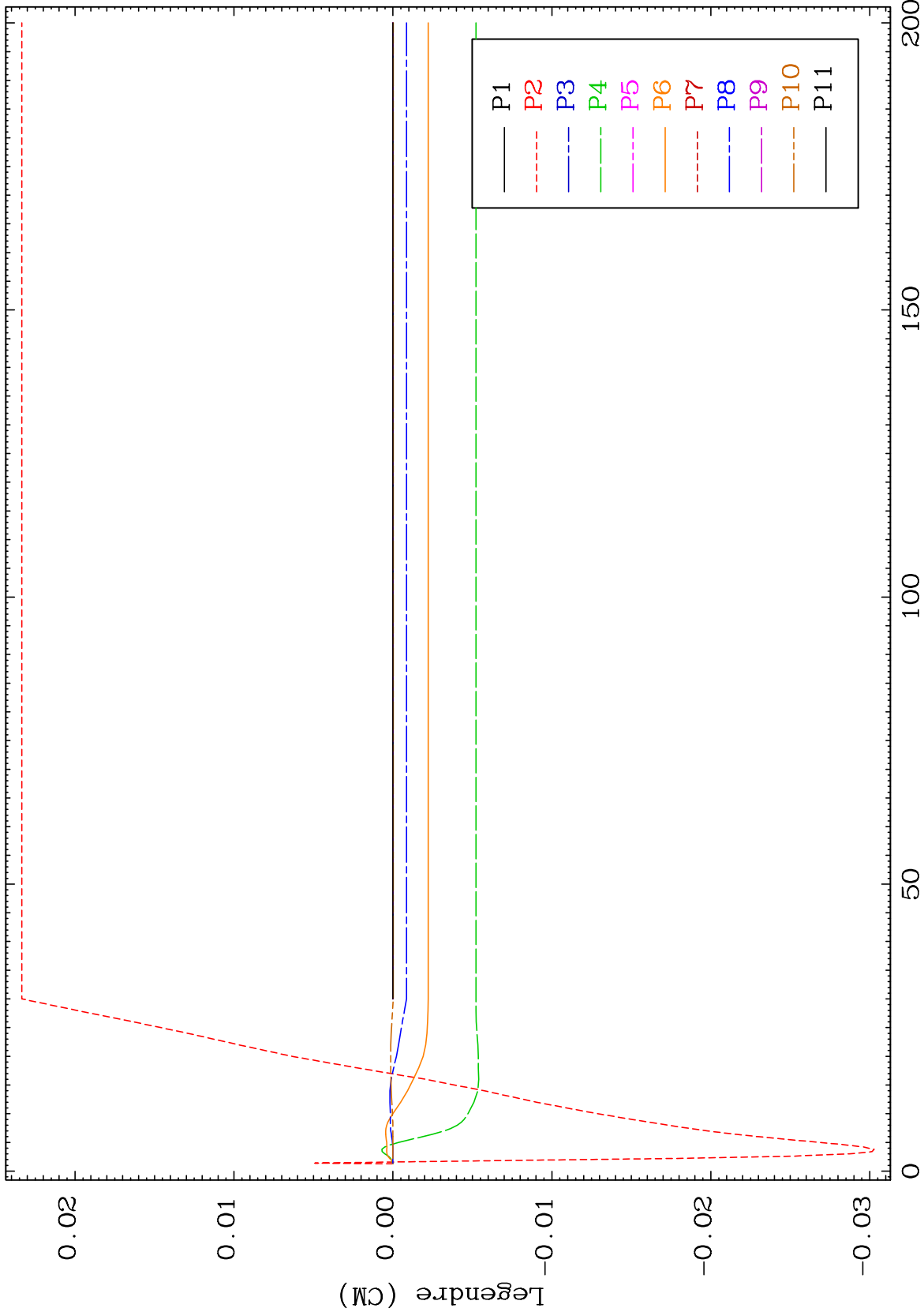
Incident Energy (MeV)

41-Nb-96

MAT 4134

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

41-Nb-96



Incident Energy (MeV)

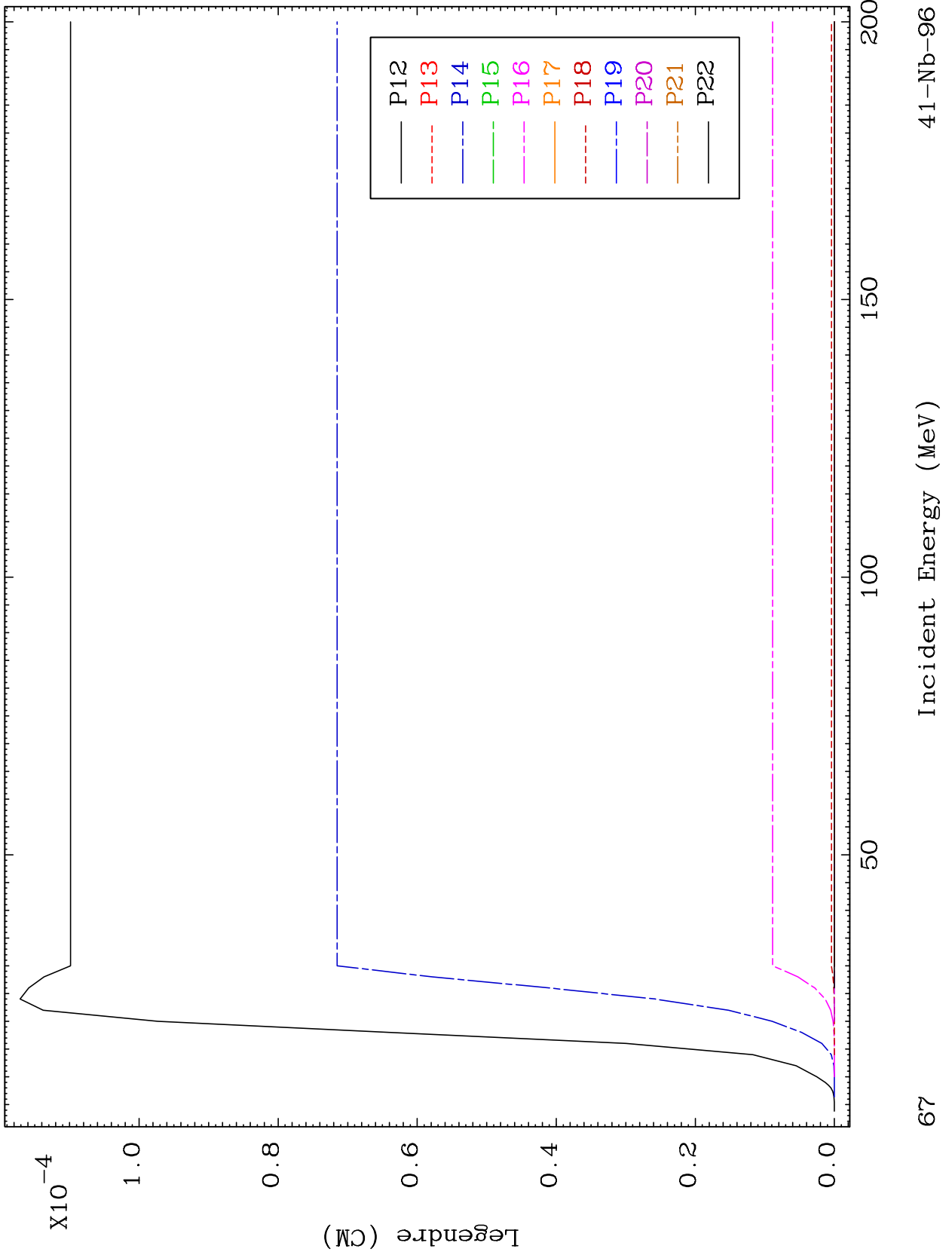
41-Nb-96

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MAT 4134

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

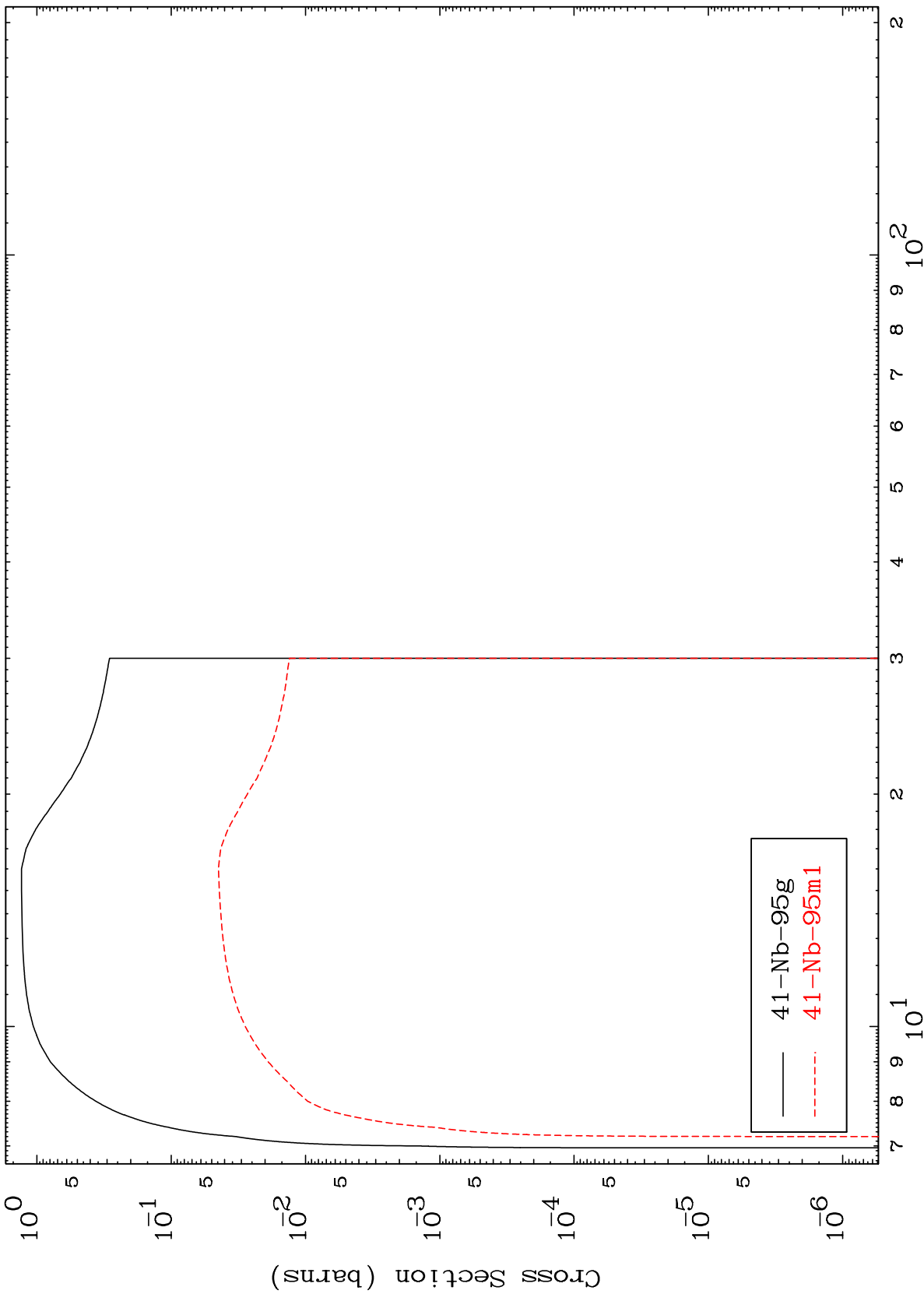
41-Nb-96



MAT 4134

41-Nb-96

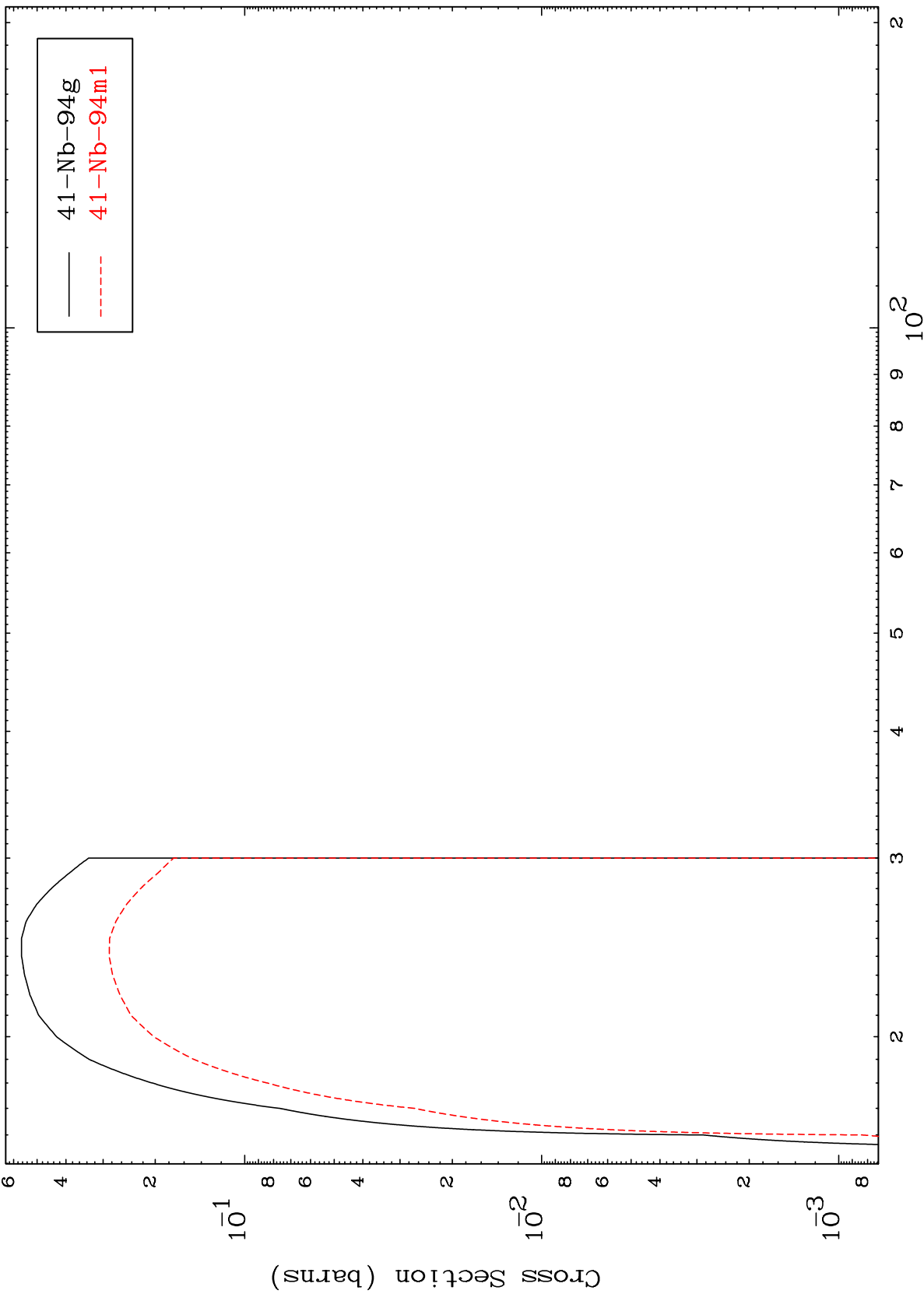
(n,2n)  
Radionuclide Production Cross Section



— 41-Nb-95g  
- - - 41-Nb-95m1

(n,3n)

Radionuclide Production Cross Section

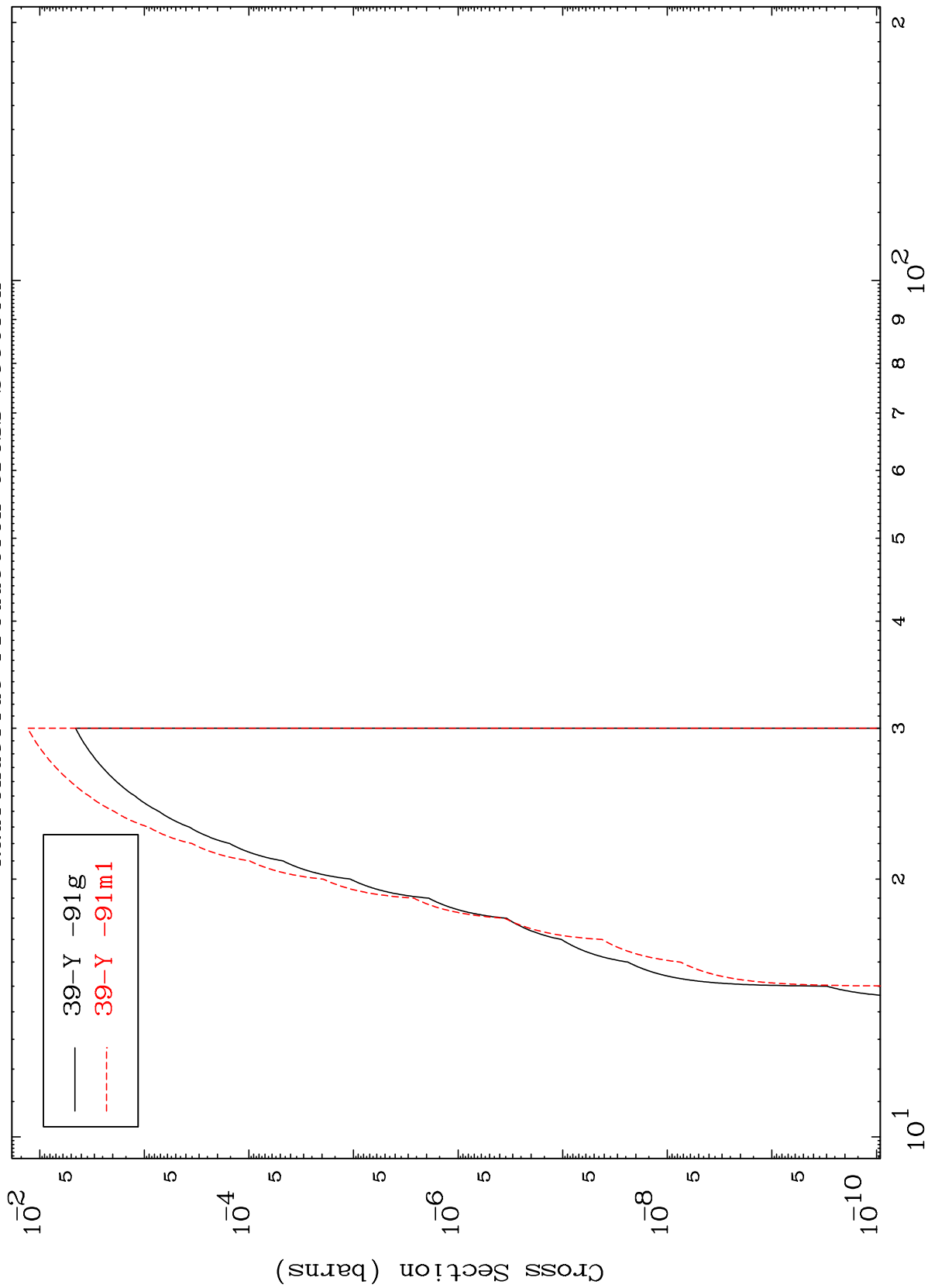


MAT 4134

(n,2n)  $\alpha$

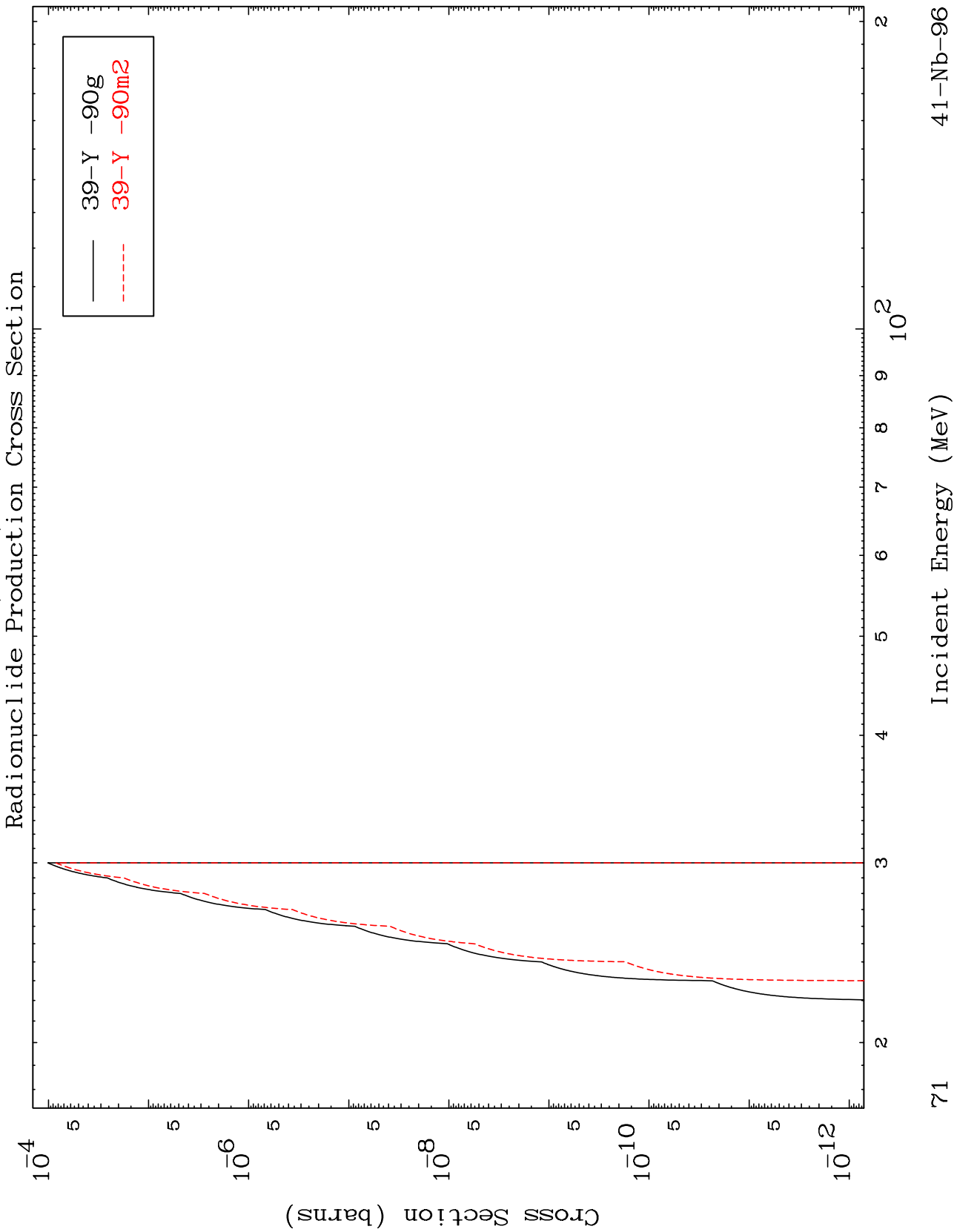
41-Nb-96

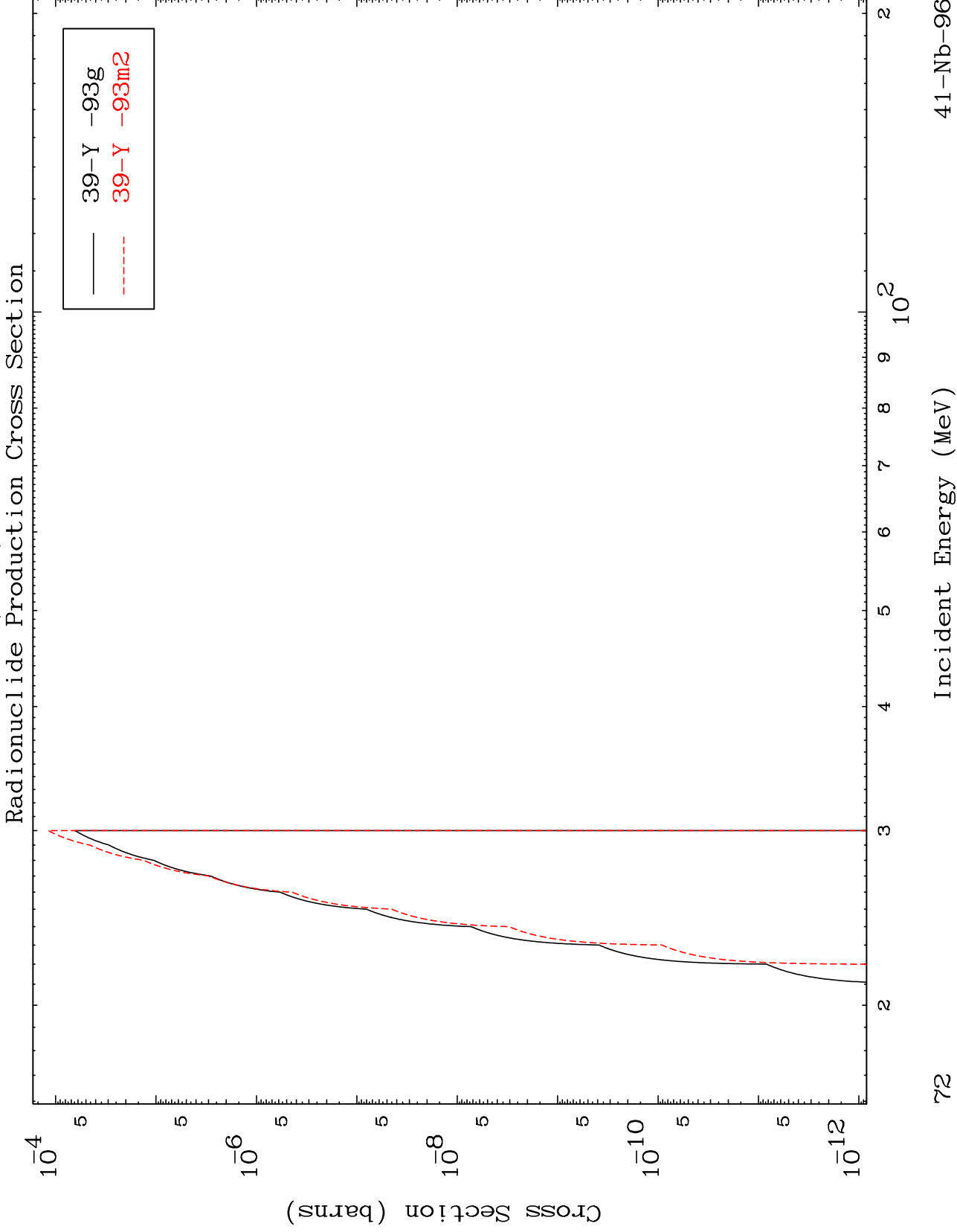
Radionuclide Production Cross Section



Incident Energy (MeV)

41-Nb-96



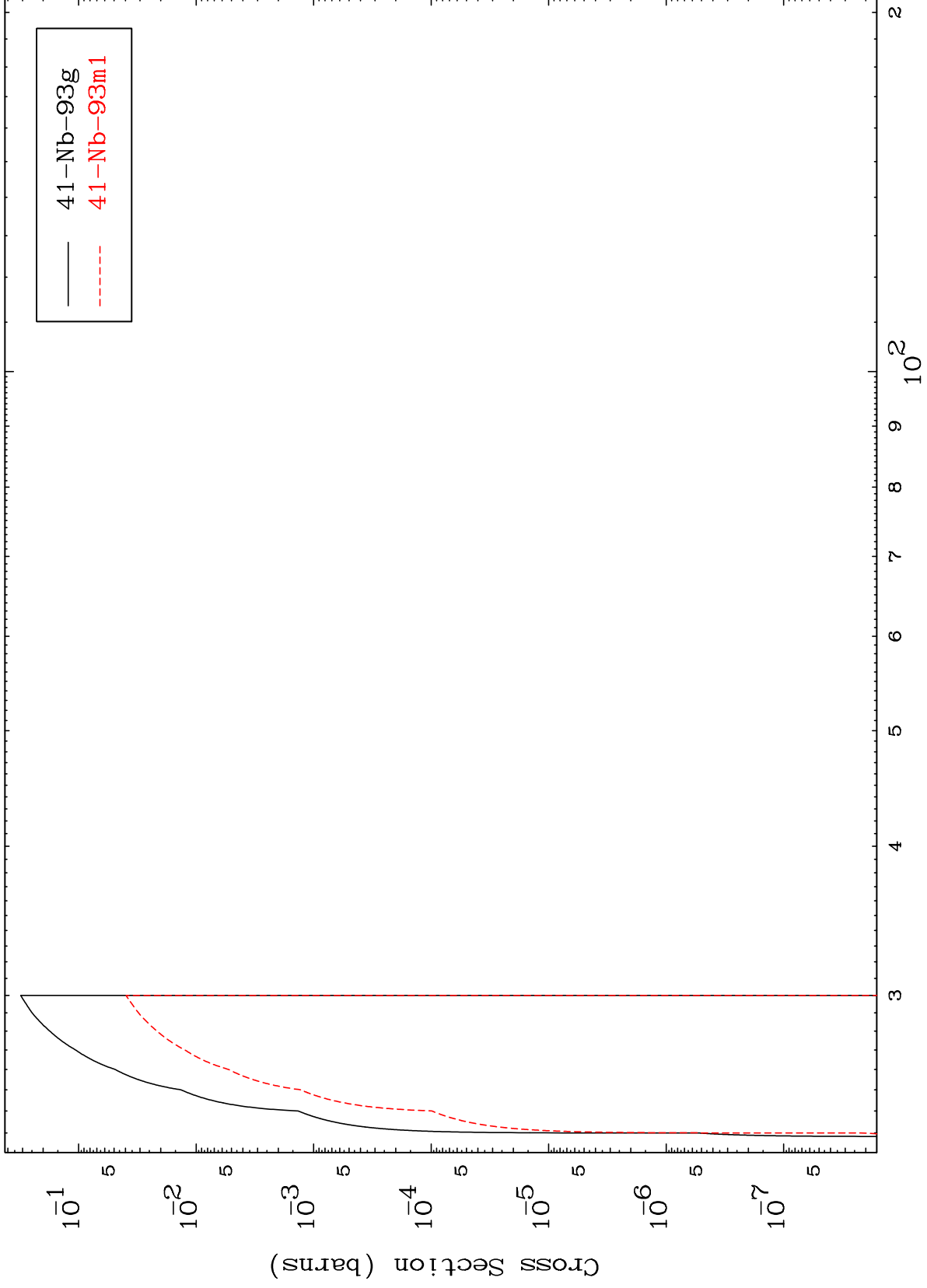


MAT 4134

(n,4n)

41-Nb-96

Radionuclide Production Cross Section



73

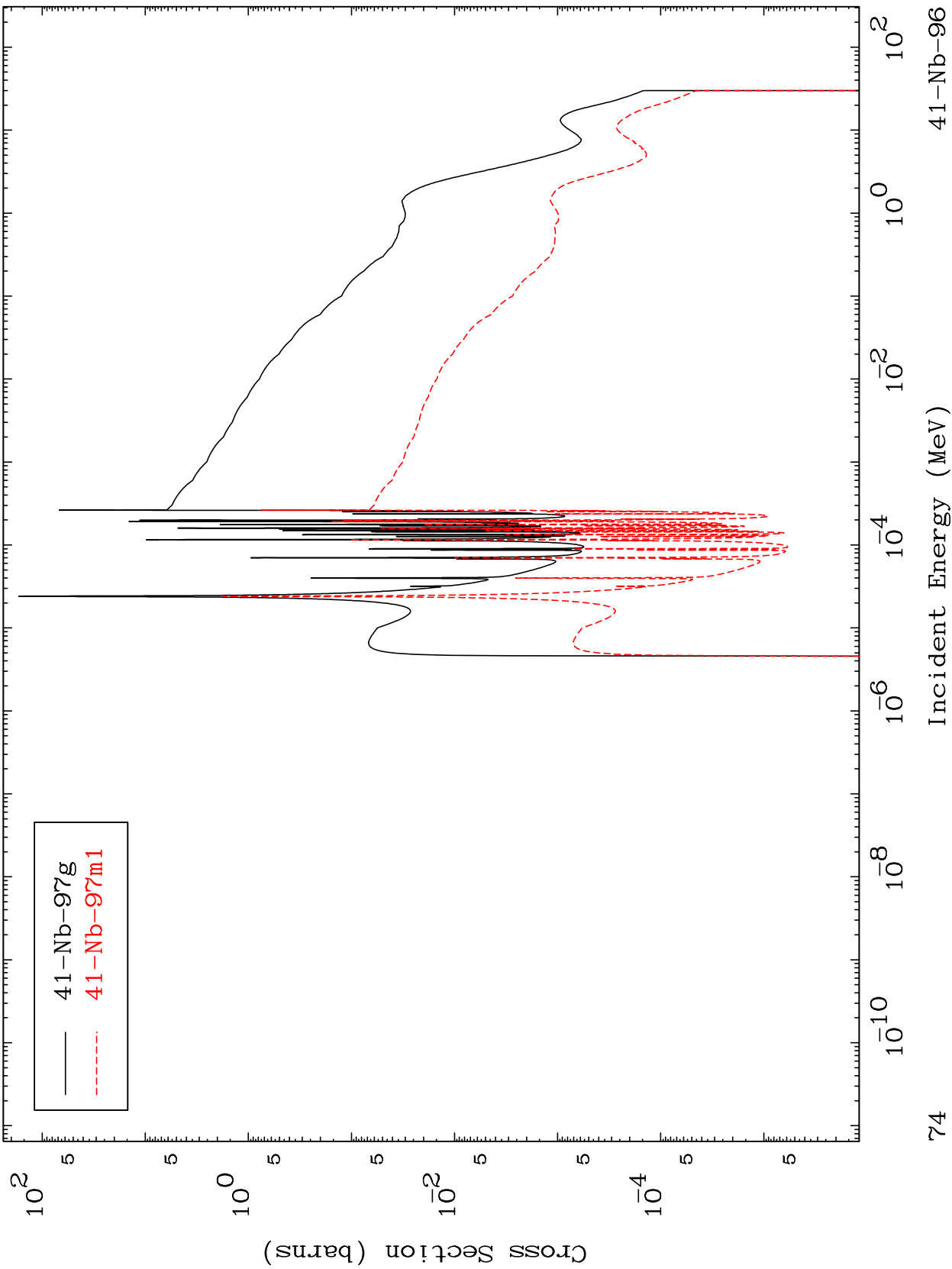
Incident Energy (MeV)

41-Nb-96

MAT 4134

41-Nb-96

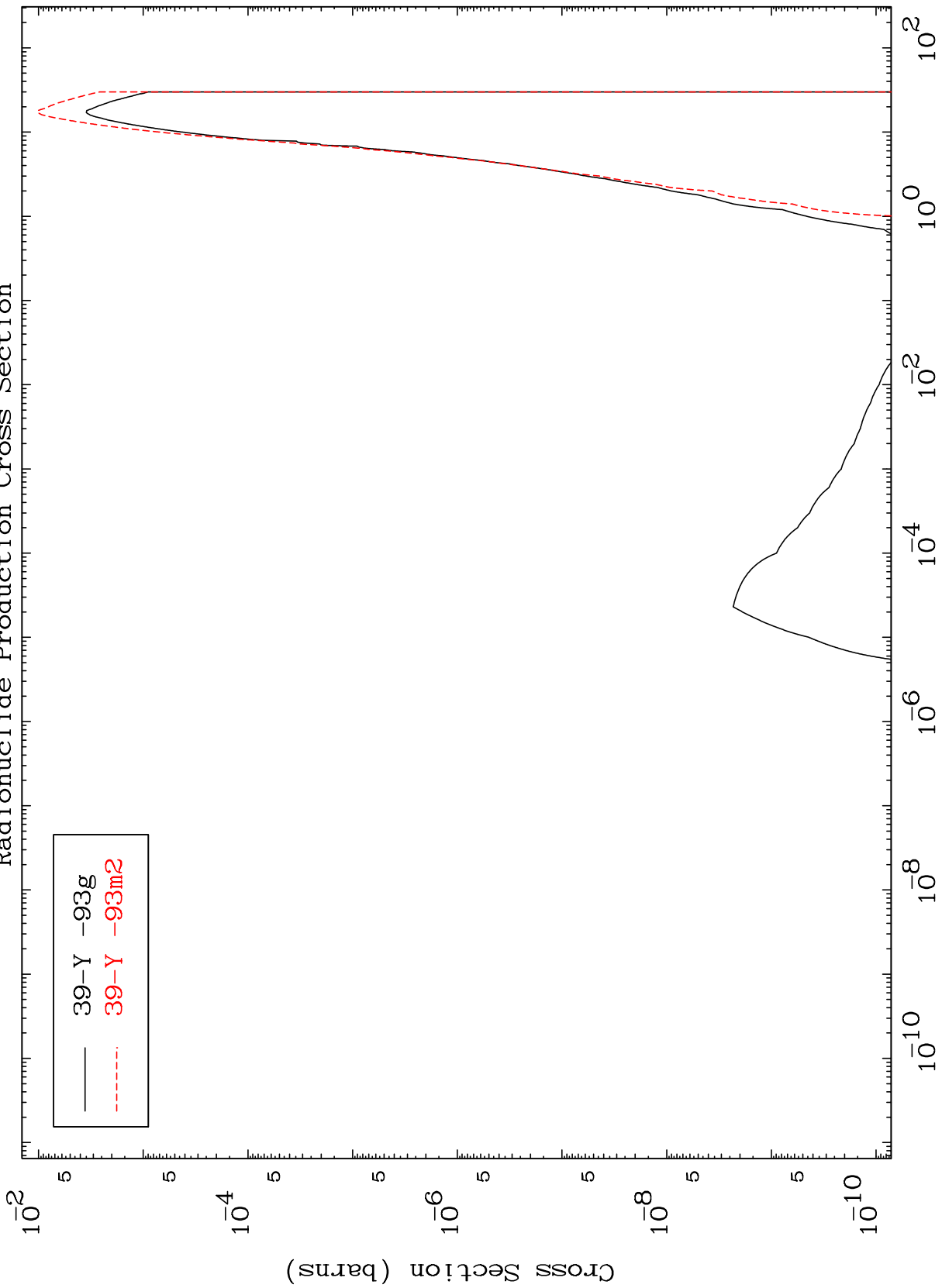
(n,γ)  
Radionuclide Production Cross Section



MAT 4134

41-Nb-96

Radionuclide Production Cross Section  
(n,  $\alpha$ )



— 39-Y -93g  
- - - 39-Y -93m2

41-Nb-96

Incident Energy (MeV)

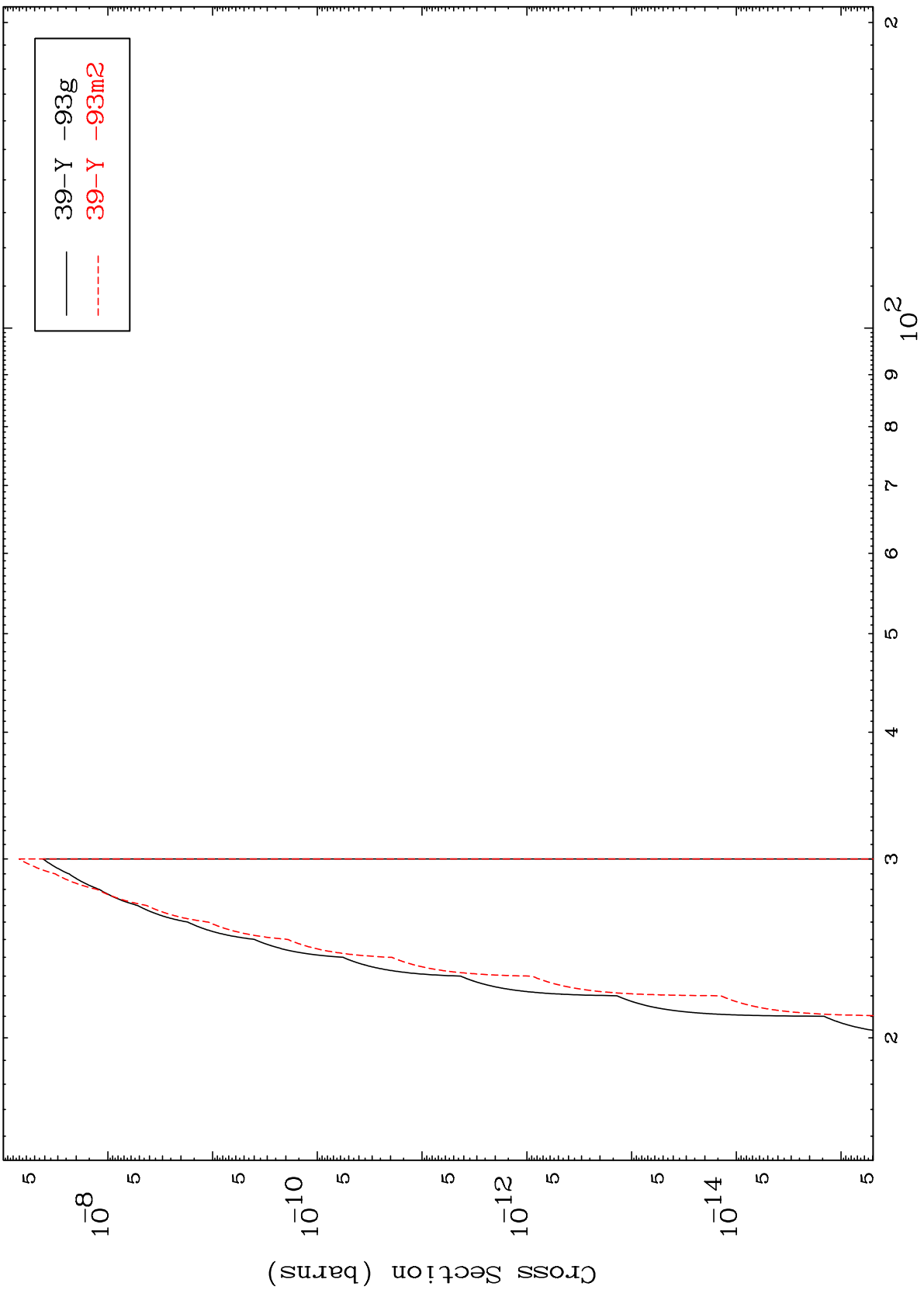
75

MAT 4134

(n,p) t

41-Nb-96

Radionuclide Production Cross Section



76

Incident Energy (MeV)

41-Nb-96