

Program EVALPLOT  
(Version 2021-1)

by

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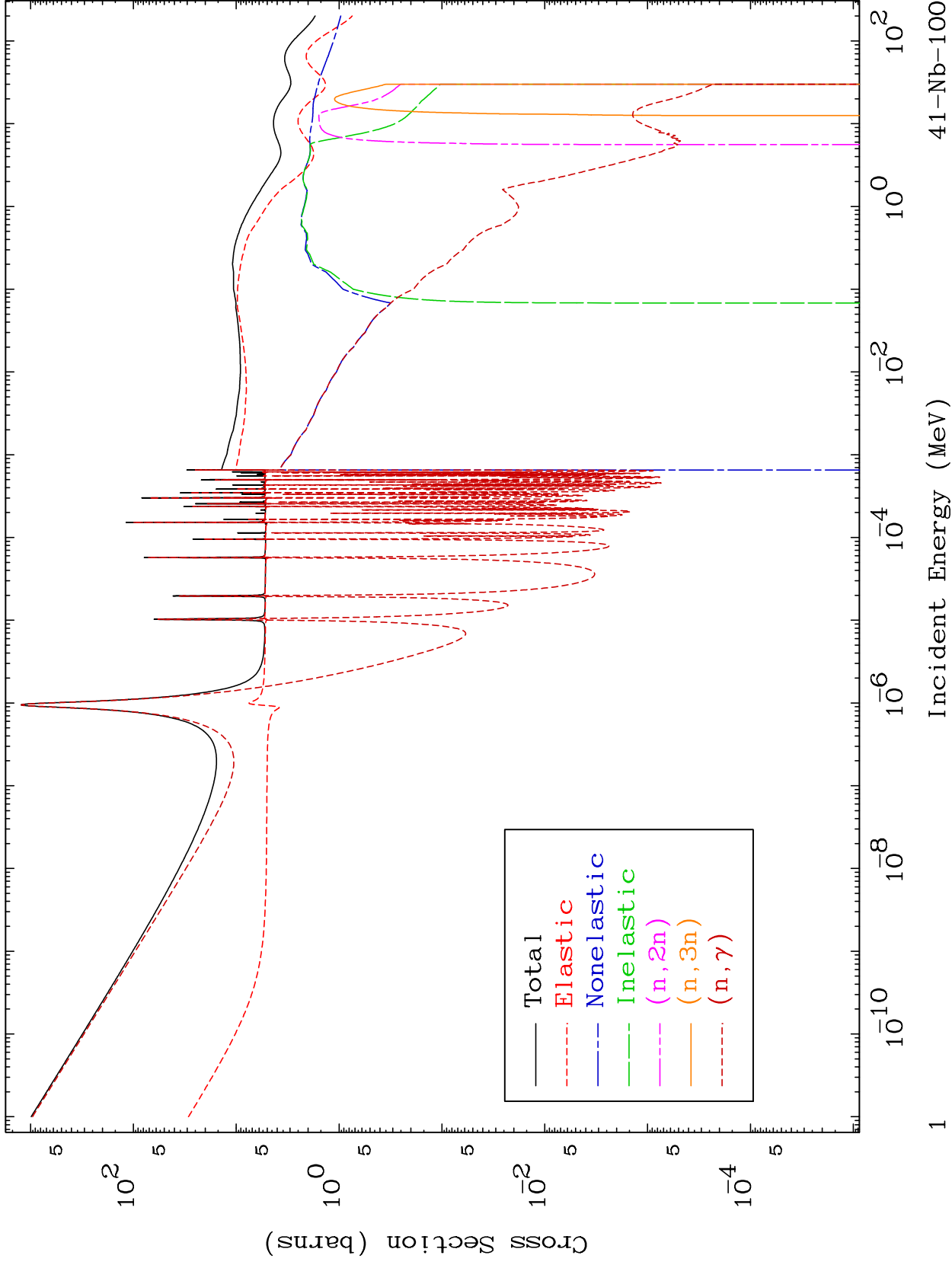
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4146

Neutron Major  
293 Kelvin Cross Sections

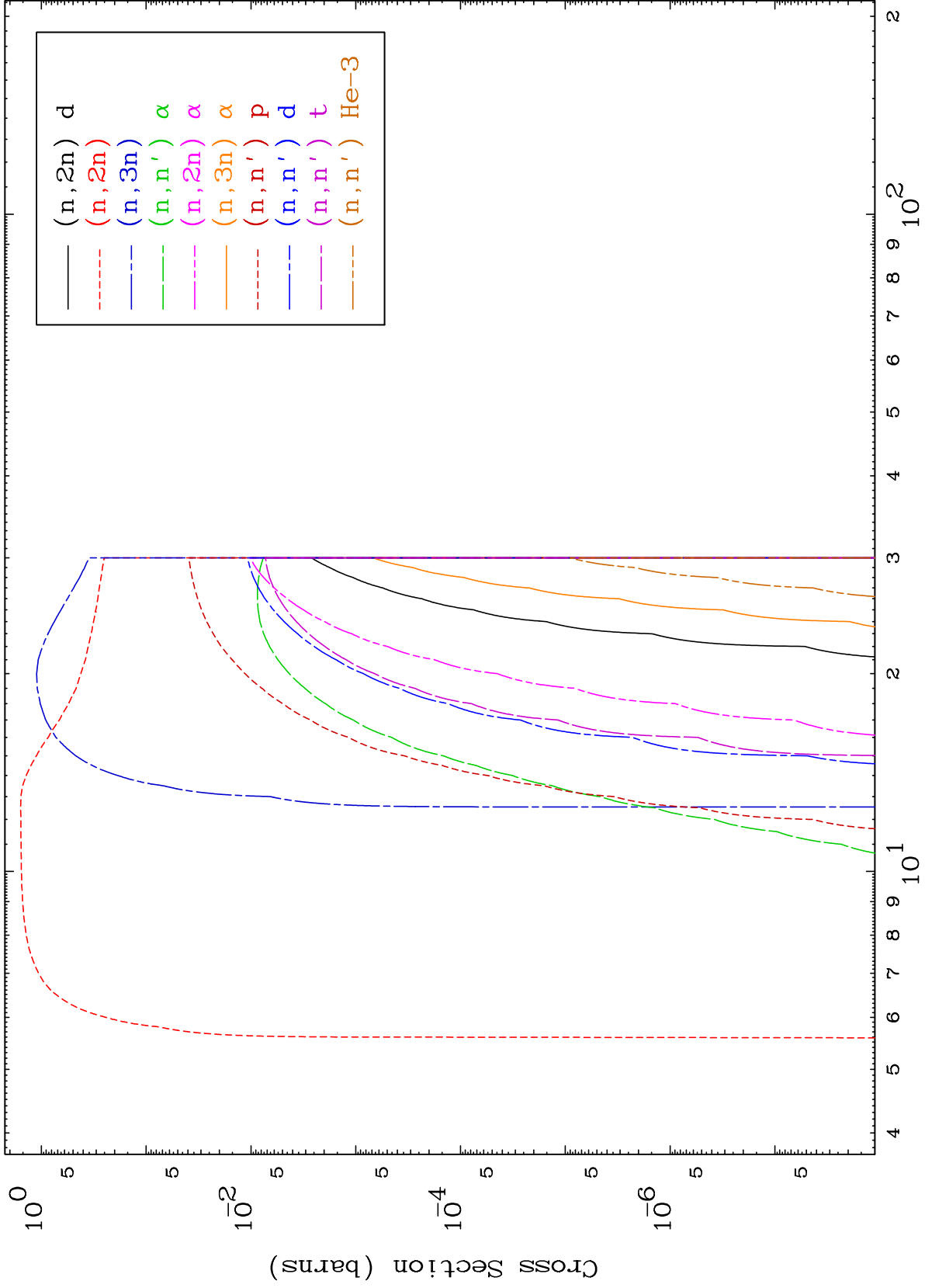
41-Nb-100



MAT 4146

Neutron Absorption  
293 Kelvin Cross Sections

41-Nb-100



2

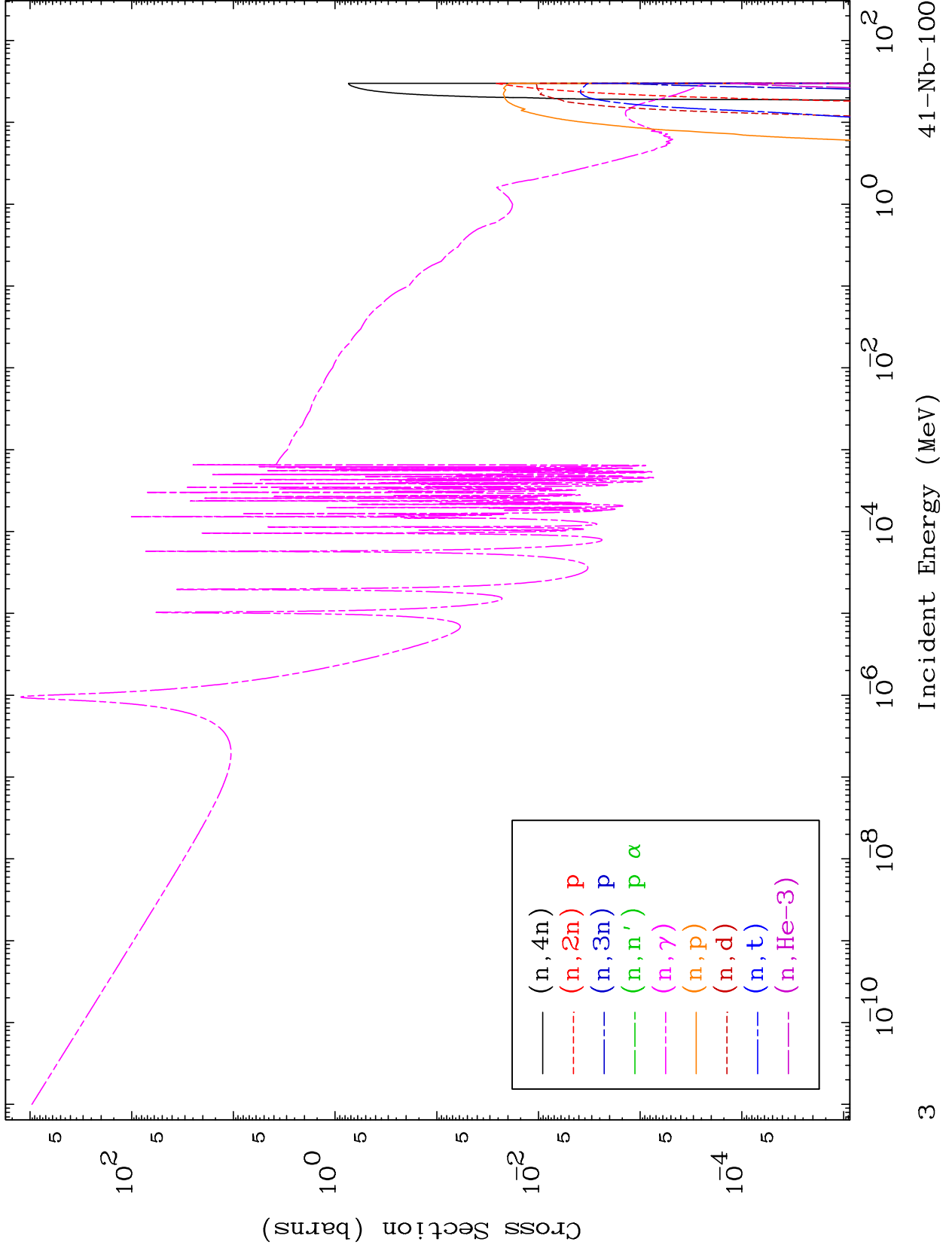
Incident Energy (MeV)

41-Nb-100

MAT 4146

Neutron Absorption  
293 Kelvin Cross Sections

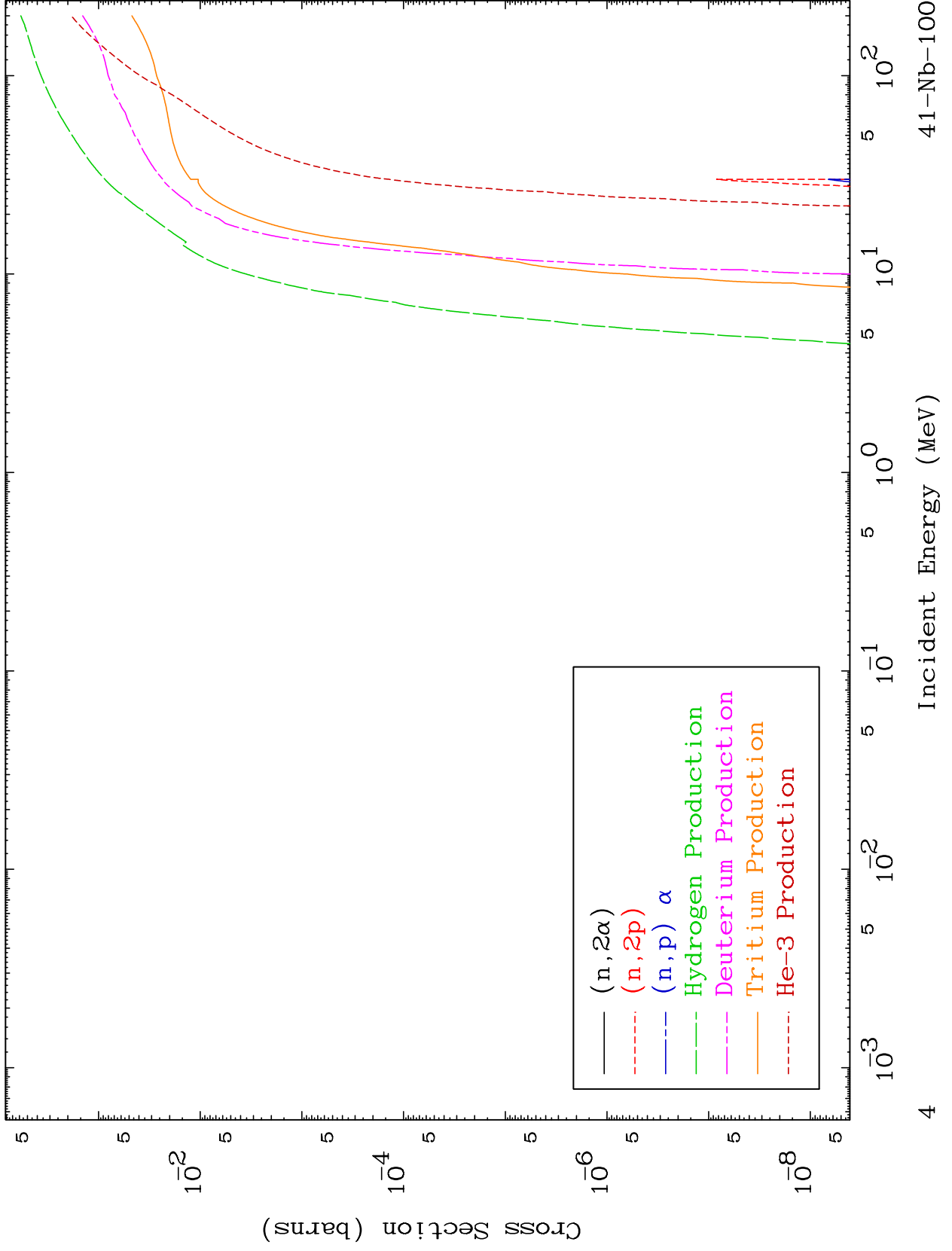
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MAT 4146

Neutron Absorption  
293 Kelvin Cross Sections

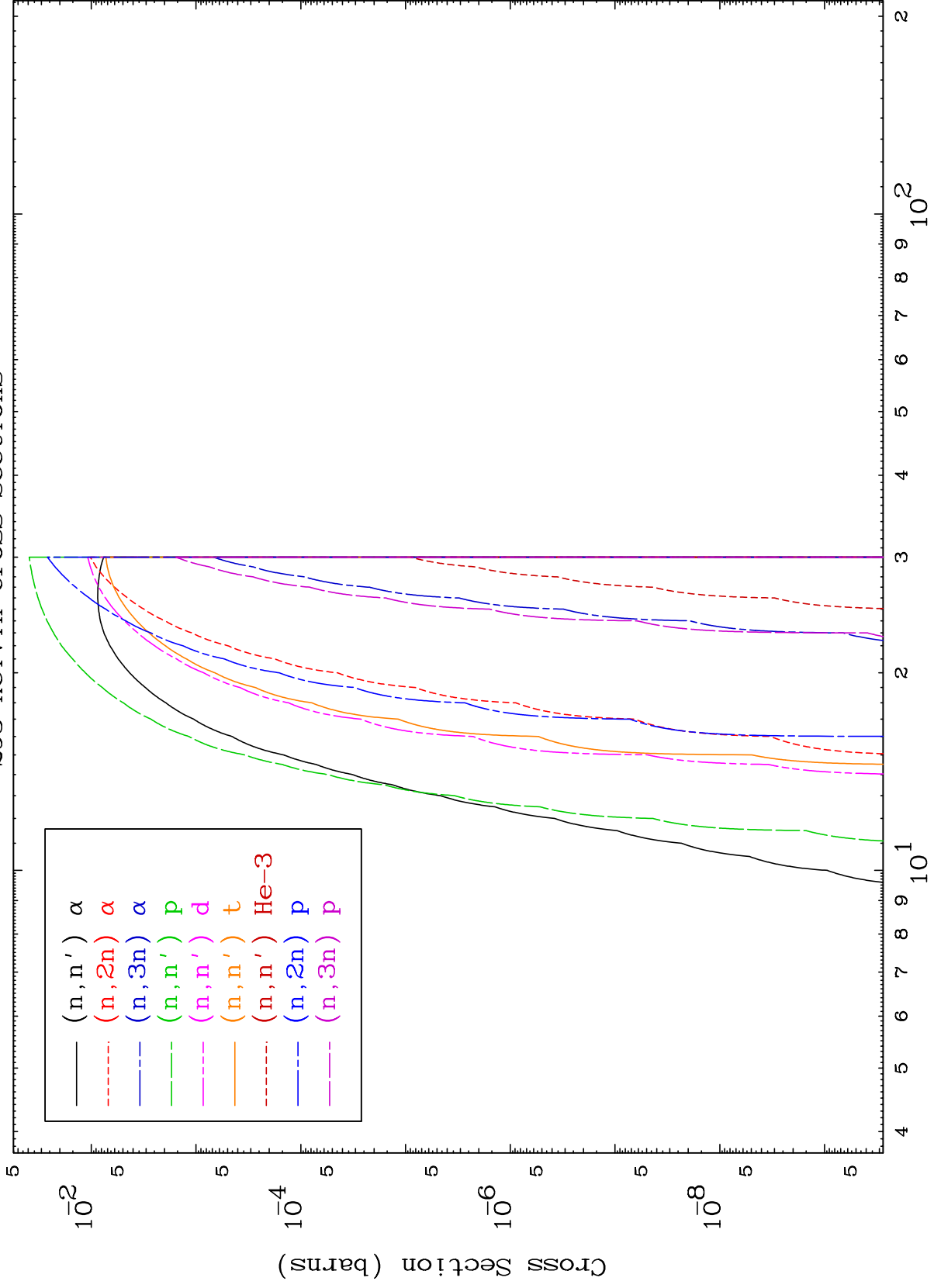
41-Nb-100



MAT 4146

Charged Particle  
293 Kelvin Cross Sections

41-Nb-100



5

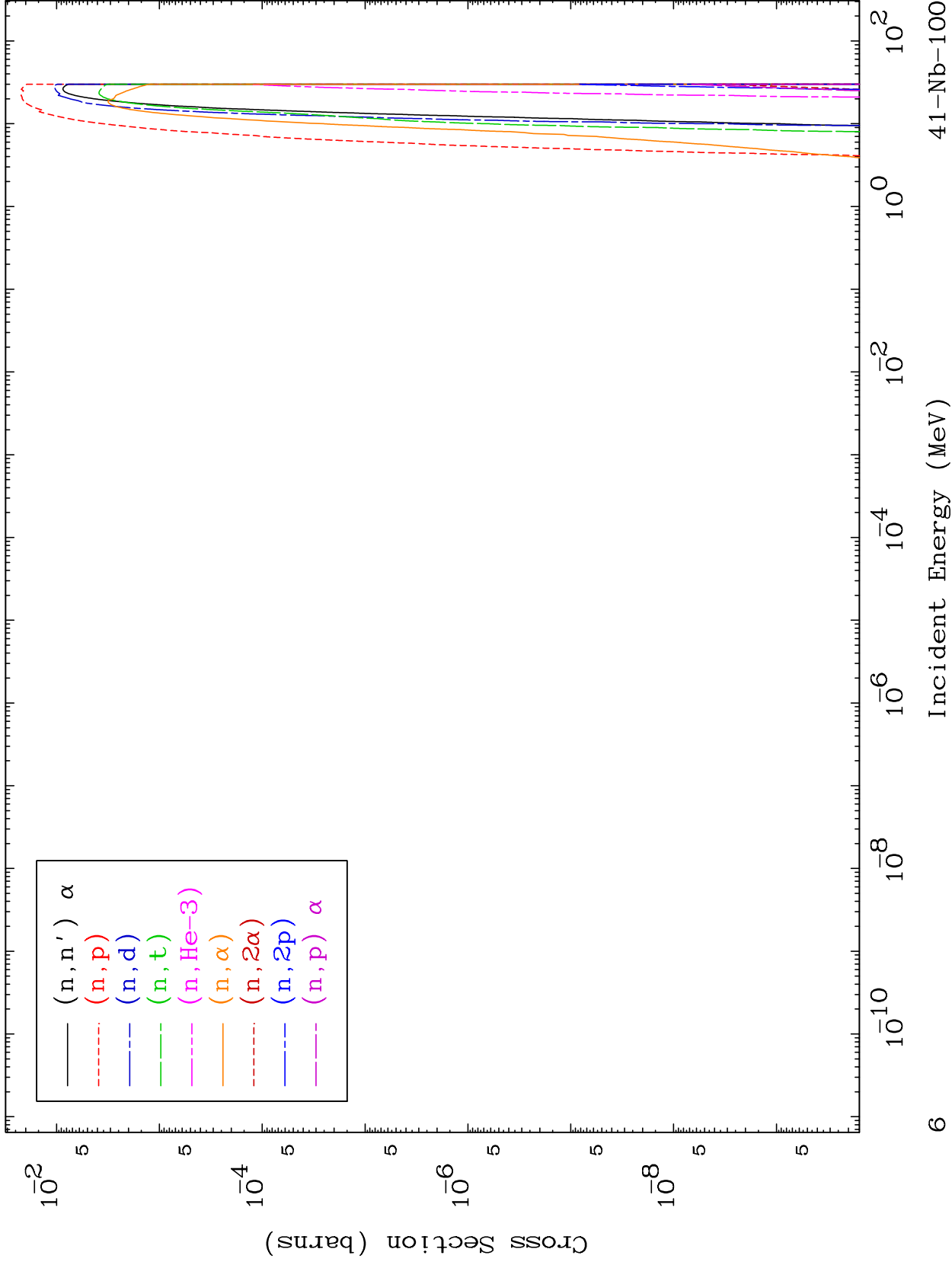
Incident Energy (MeV)

41-Nb-100

MAT 4146

Charged Particle  
293 Kelvin Cross Sections

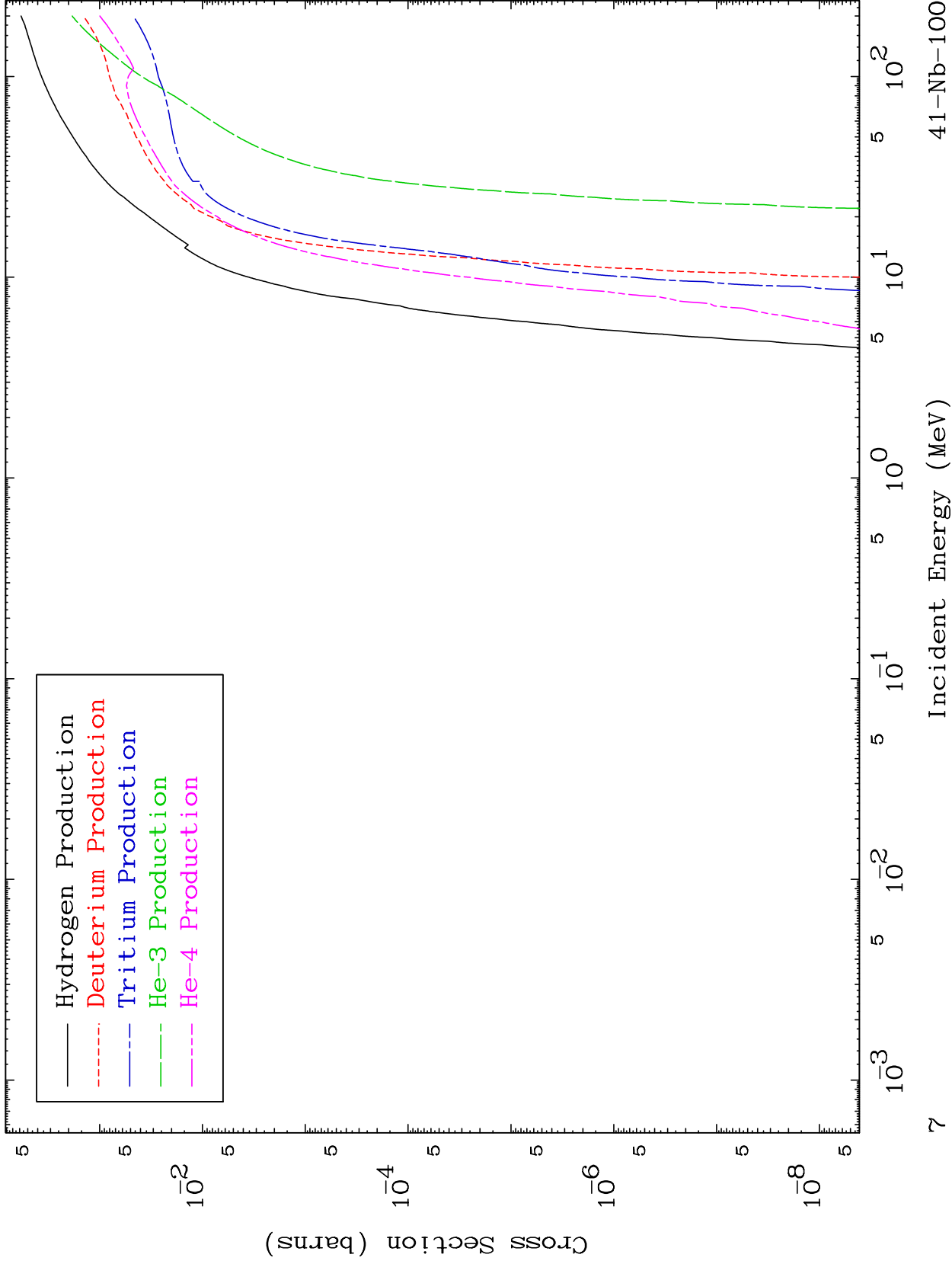
41-Nb-100



MAT 4146

Particle Production  
293 Kelvin Cross Sections

41-Nb-100



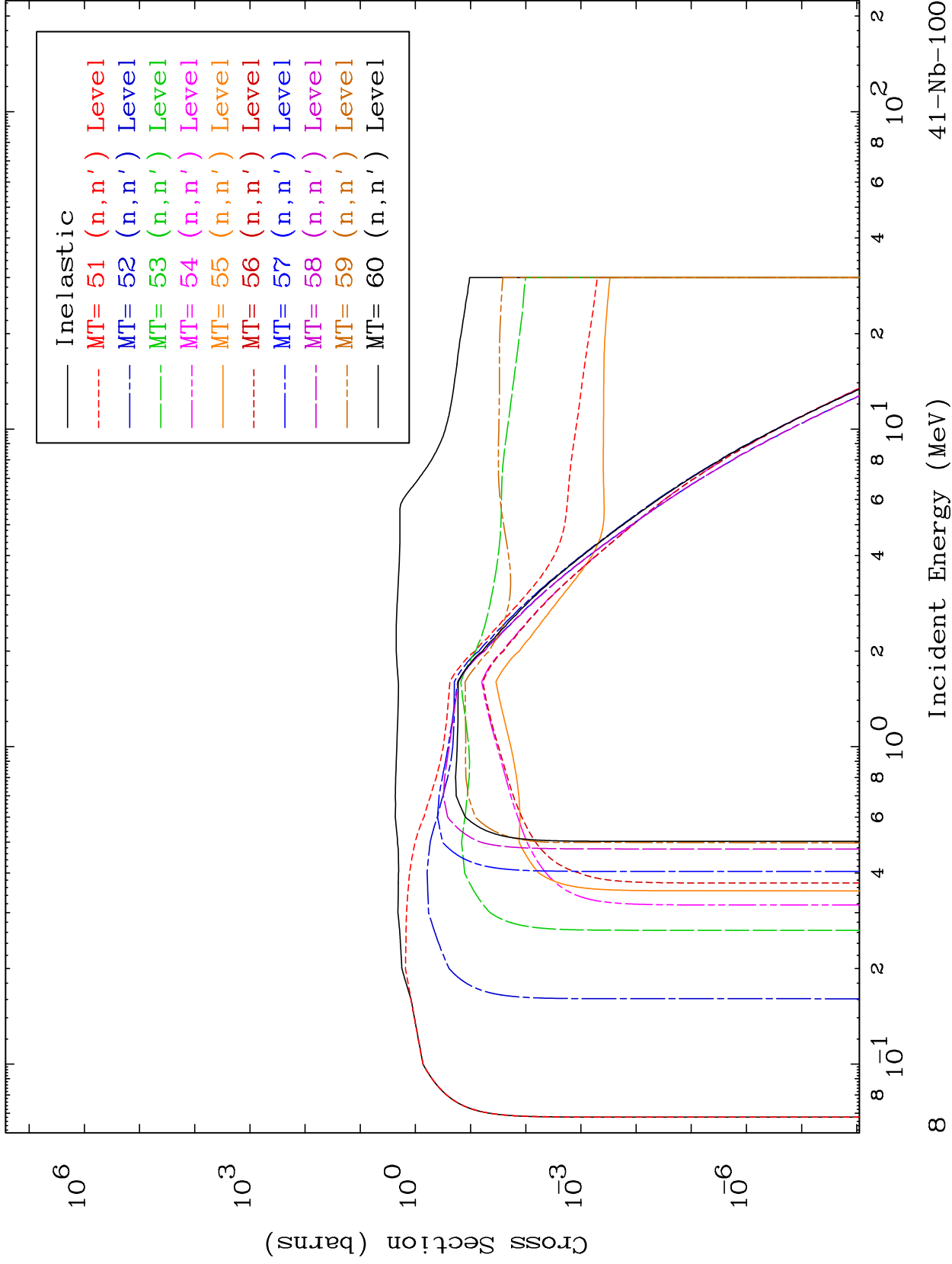


MAT 4146

(n,n') Levels

41-Nb-100

293 Kelvin Cross Sections



8

Incident Energy (MeV)

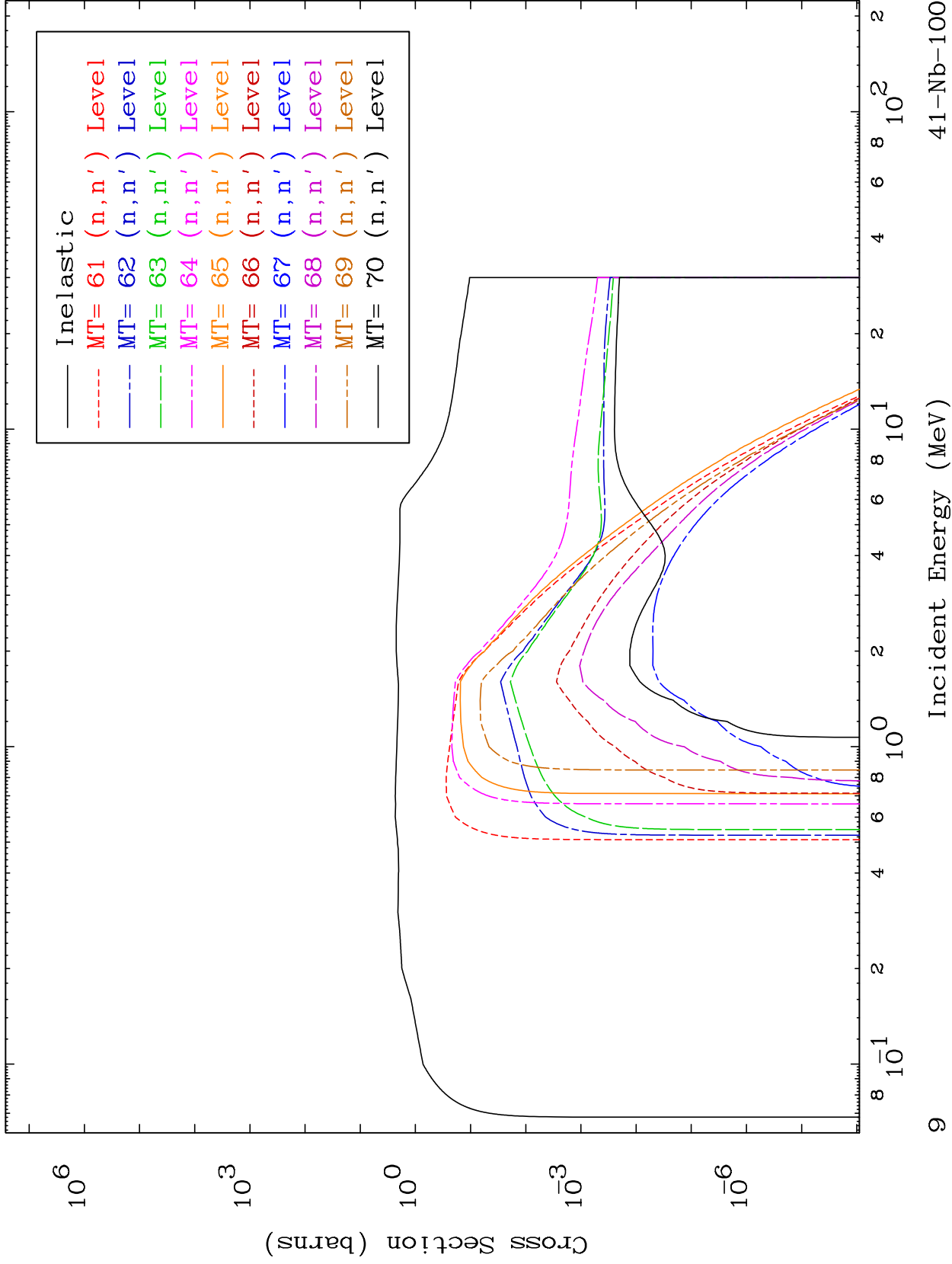
41-Nb-100

MAT 4146

(n,n') Levels

41-Nb-100

293 Kelvin Cross Sections

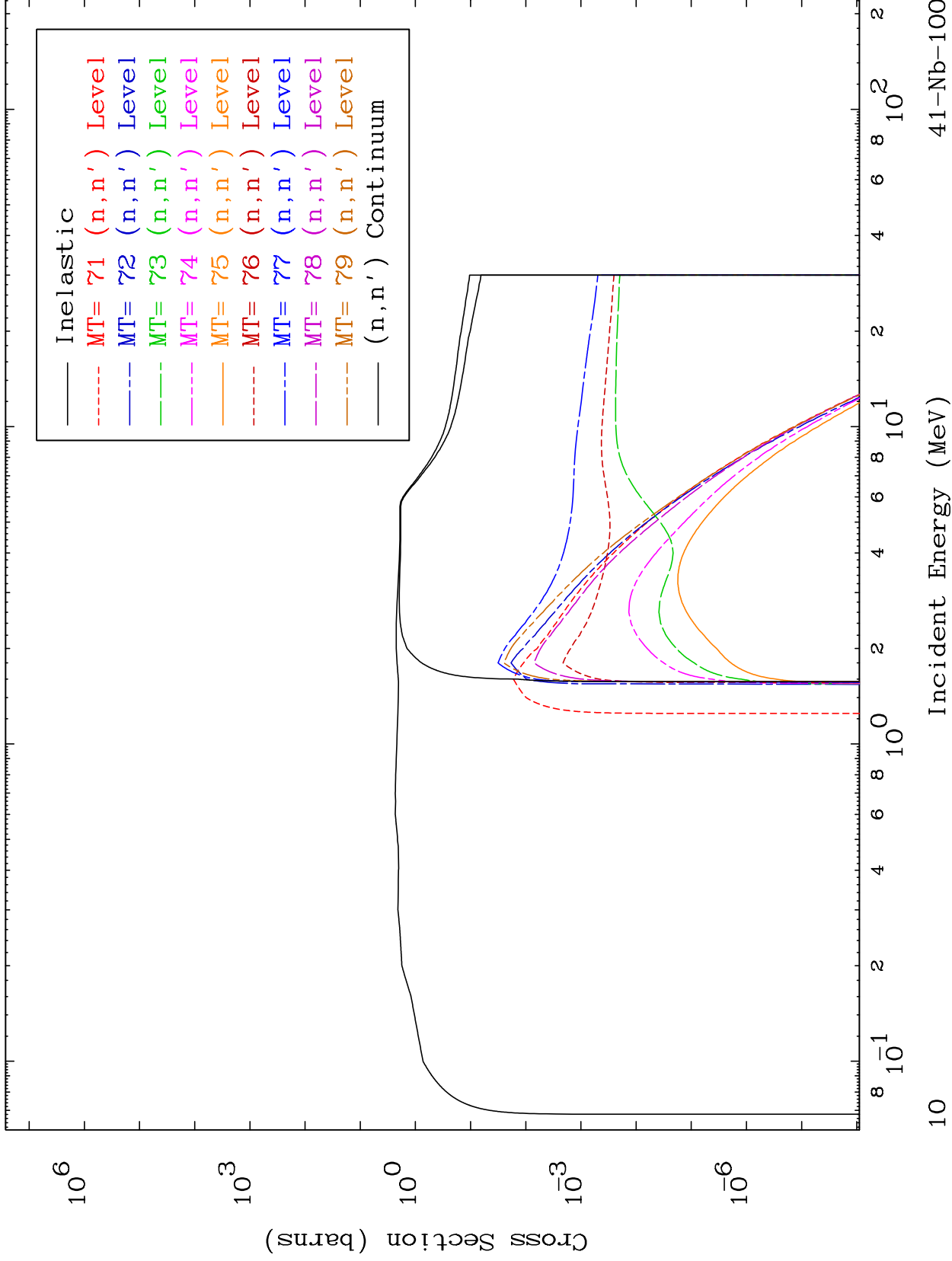


MAT 4146

(n,n') Levels

293 Kelvin Cross Sections

41-Nb-100



10

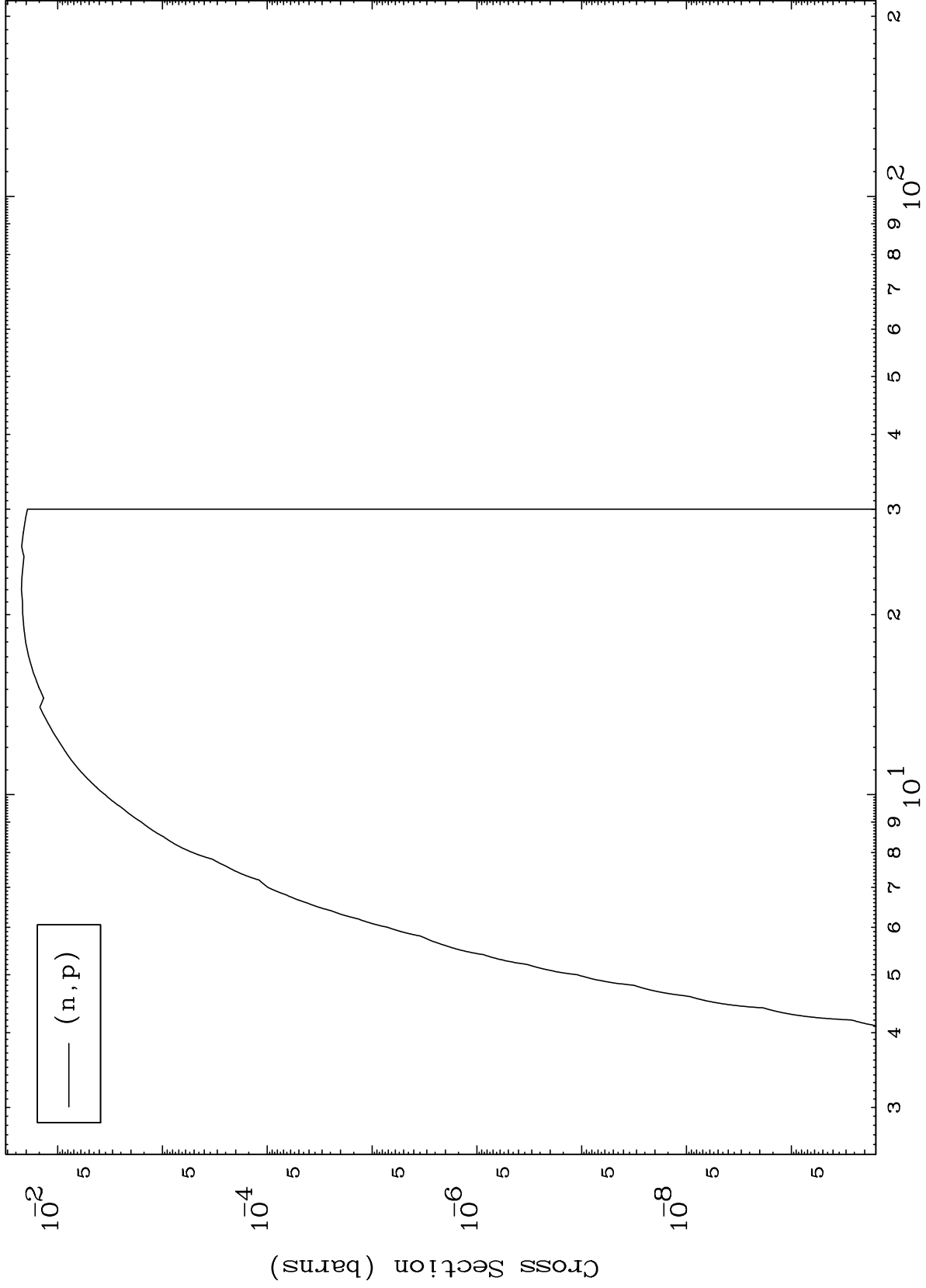
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-100



11

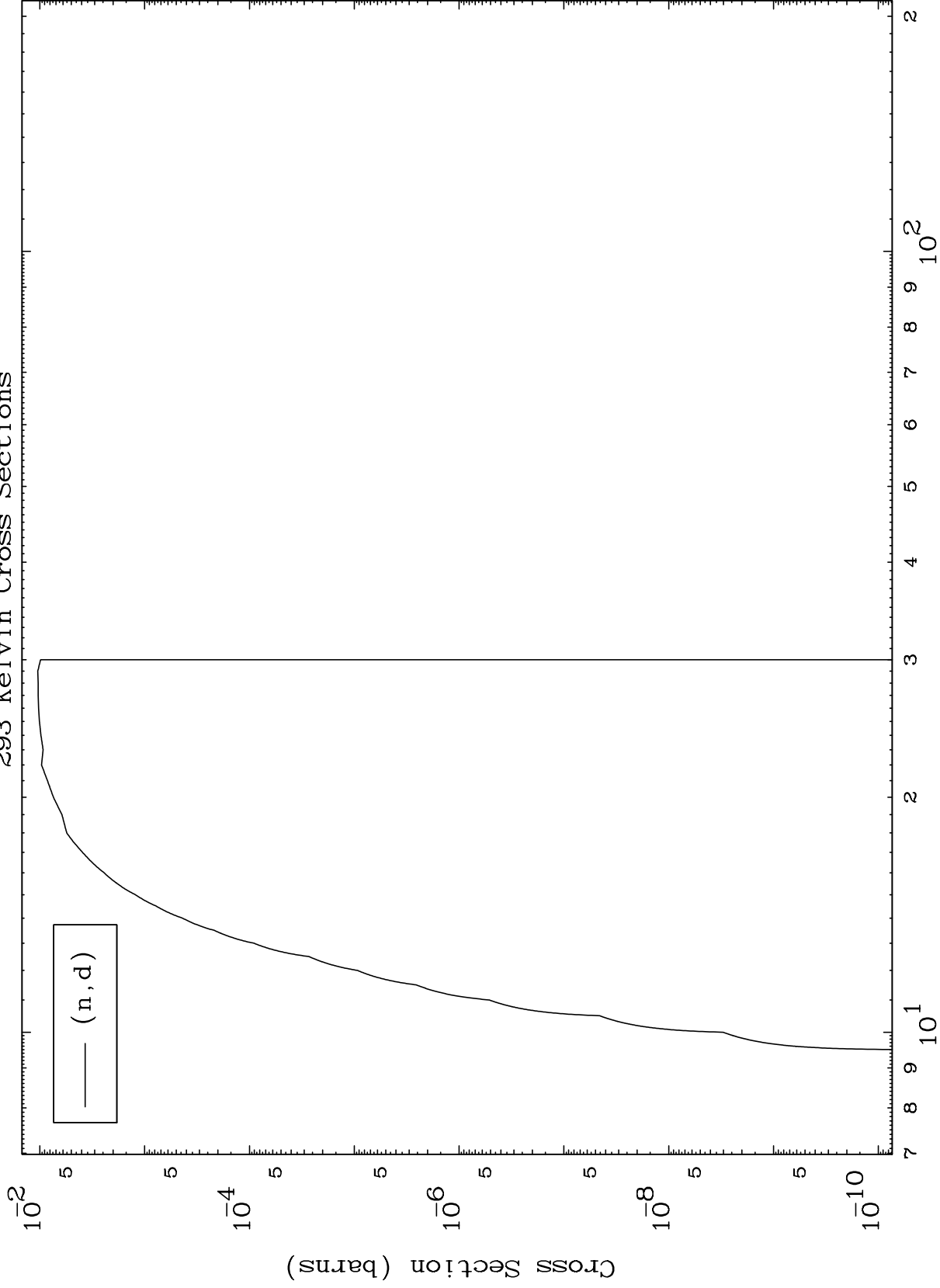
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-100



12

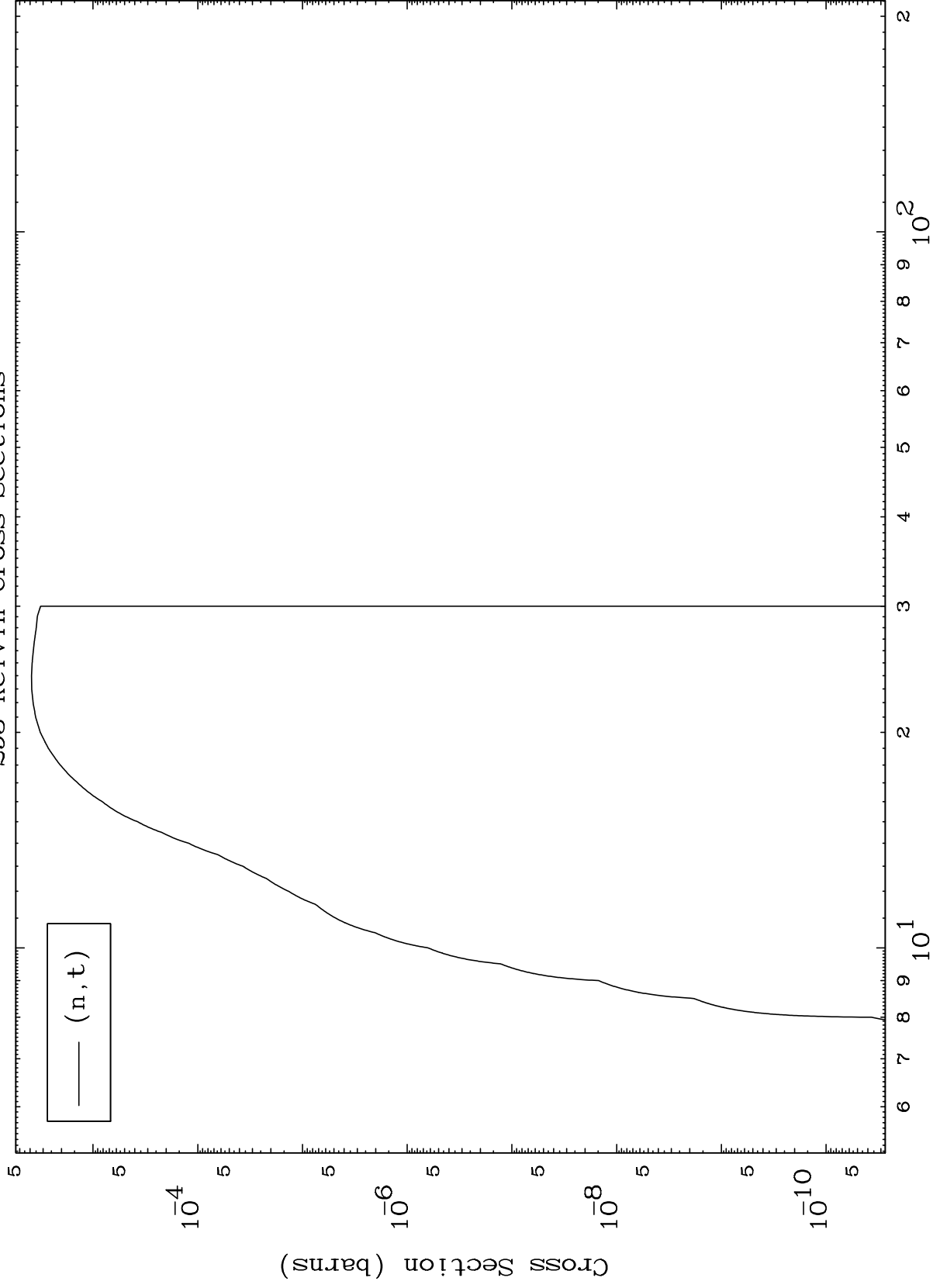
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-100



13

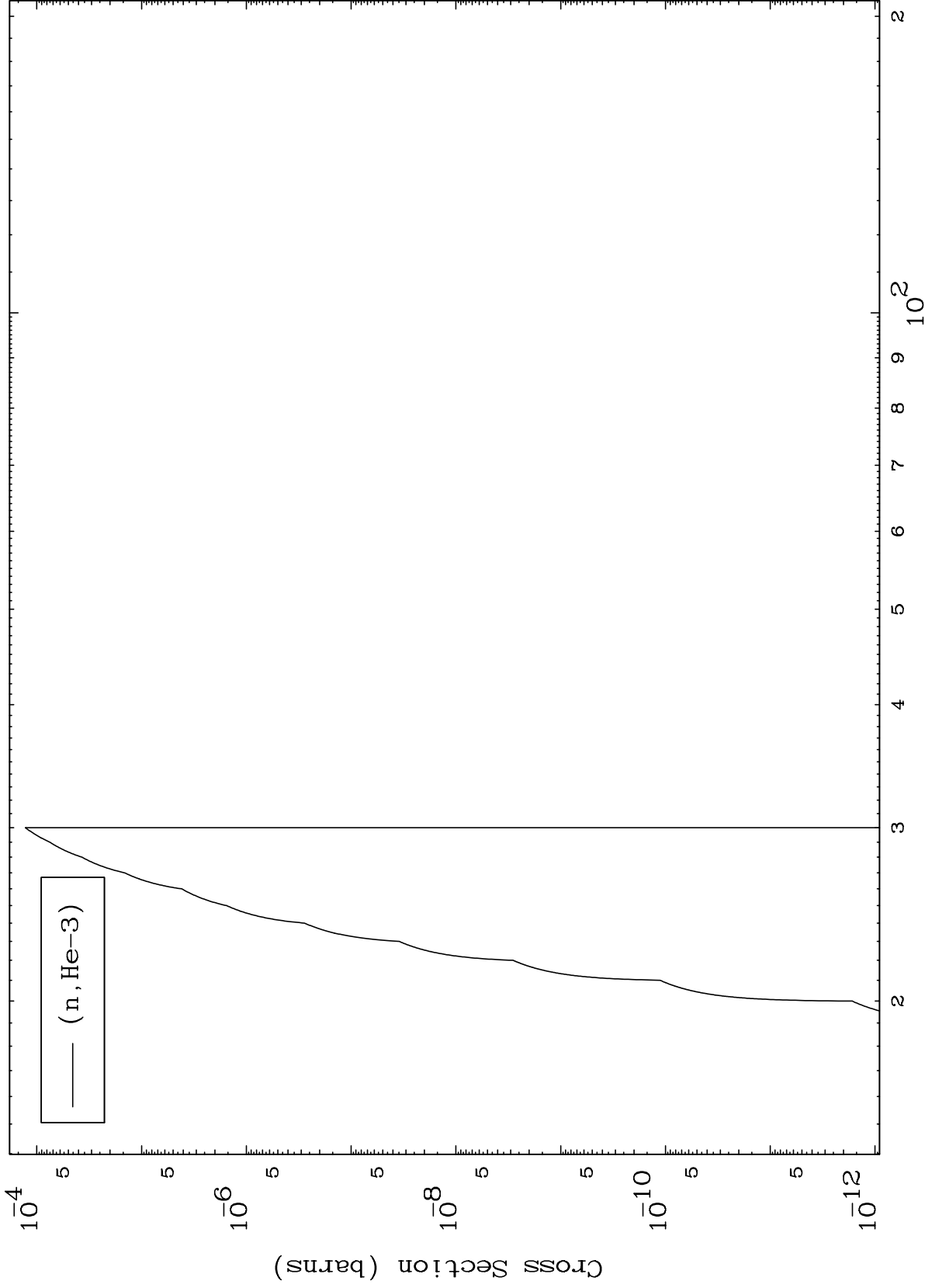
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-100



14

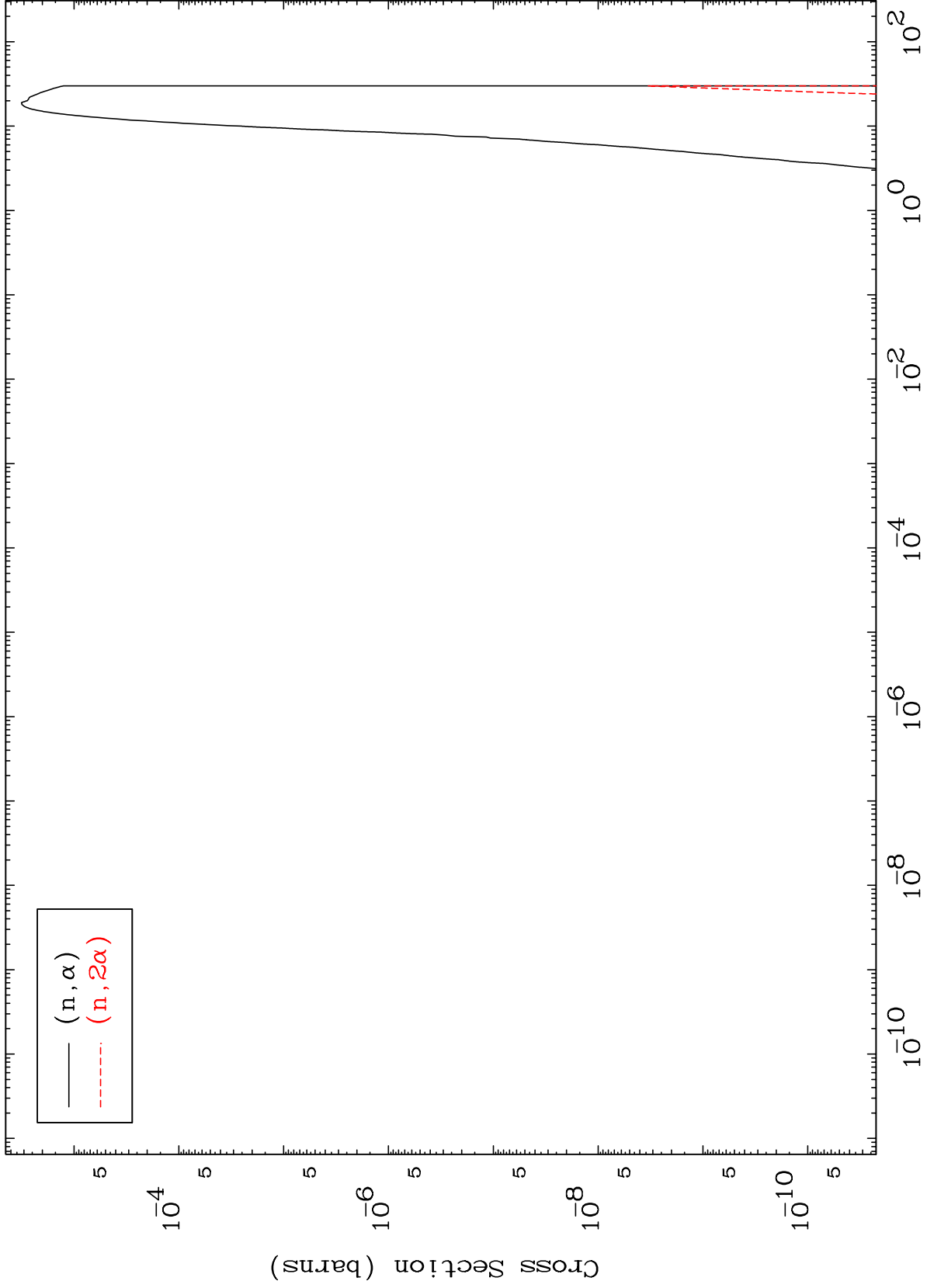
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



15

Incident Energy (MeV)

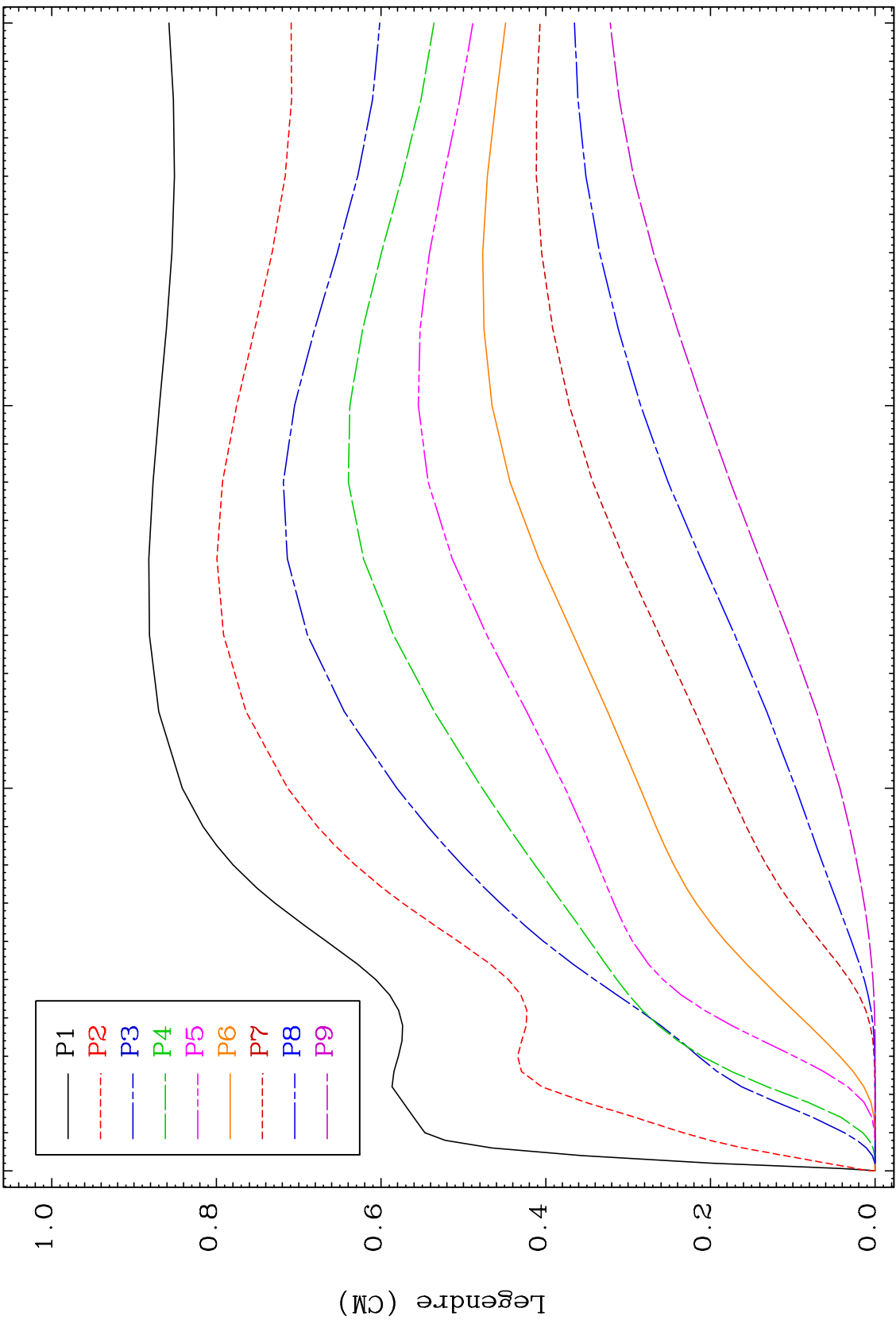
41-Nb-100



MAT 4146

Elastic Legendre Coefficients

41-Nb-100



30

20

10

0

16

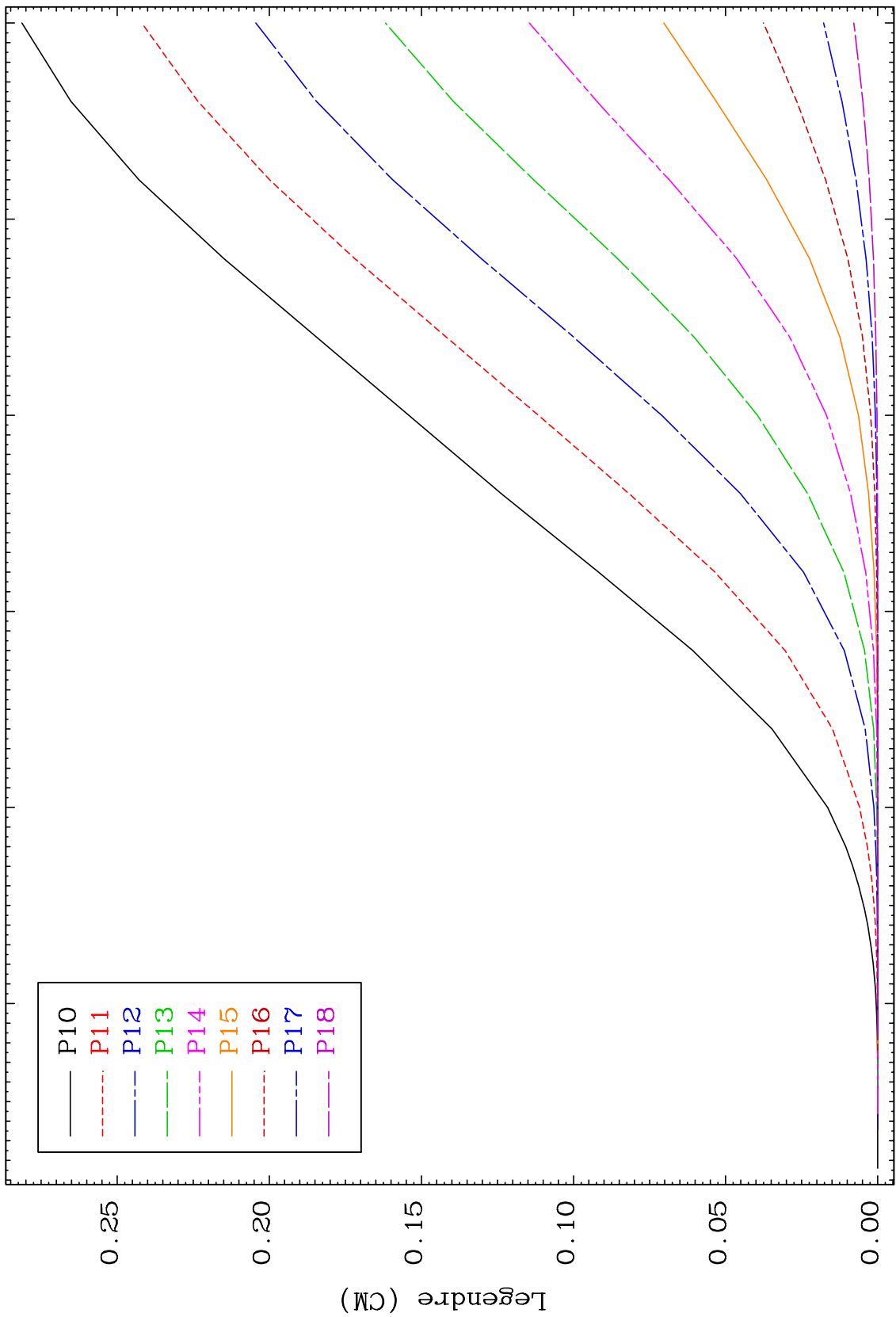
Incident Energy (MeV)

41-Nb-100

MAT 4146

Elastic Legendre Coefficients

41-Nb-100



17

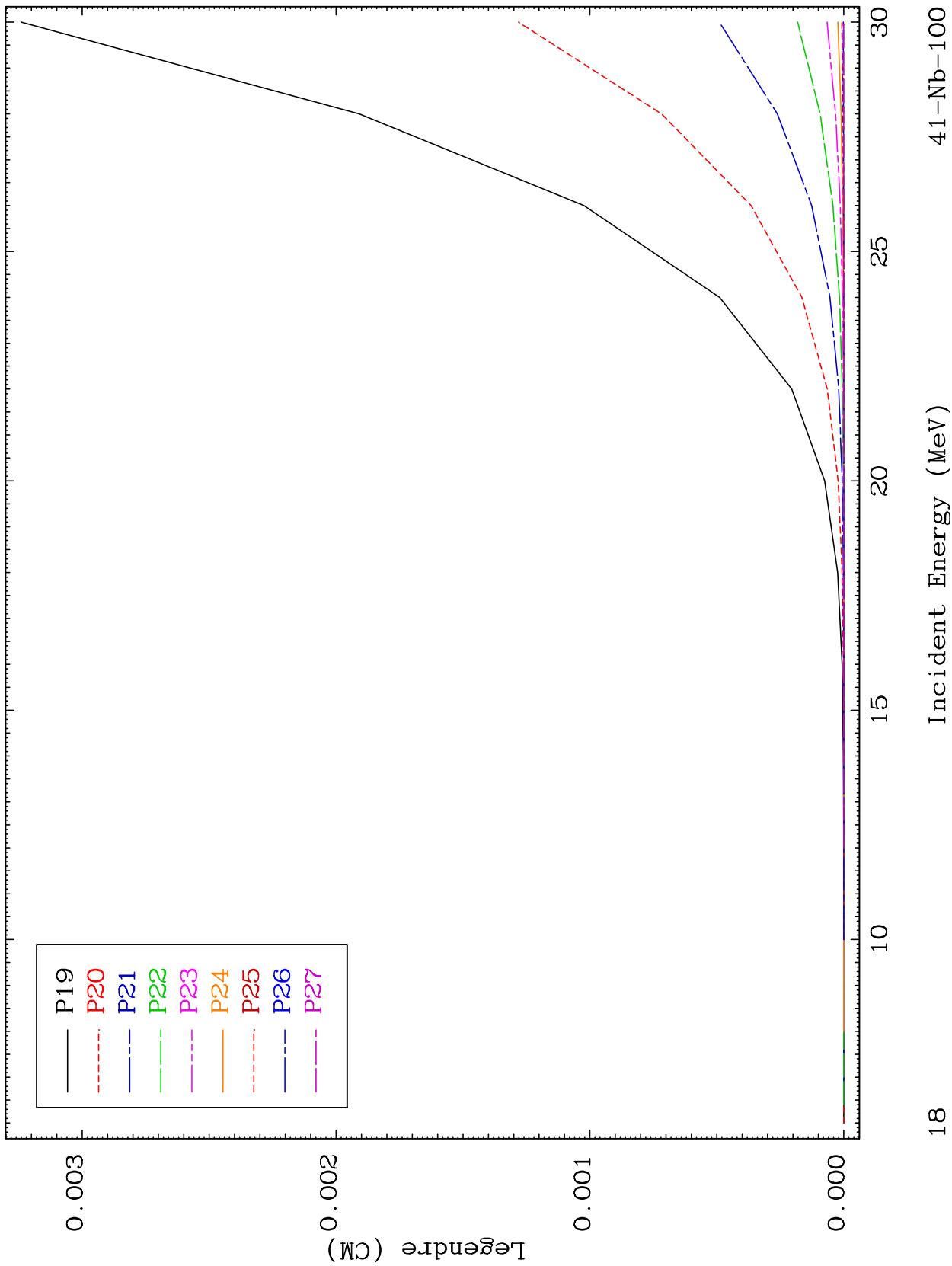
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Incident Energy (MeV)

MAT 4146

### Elastic Legendre Coefficients

41-Nb-100



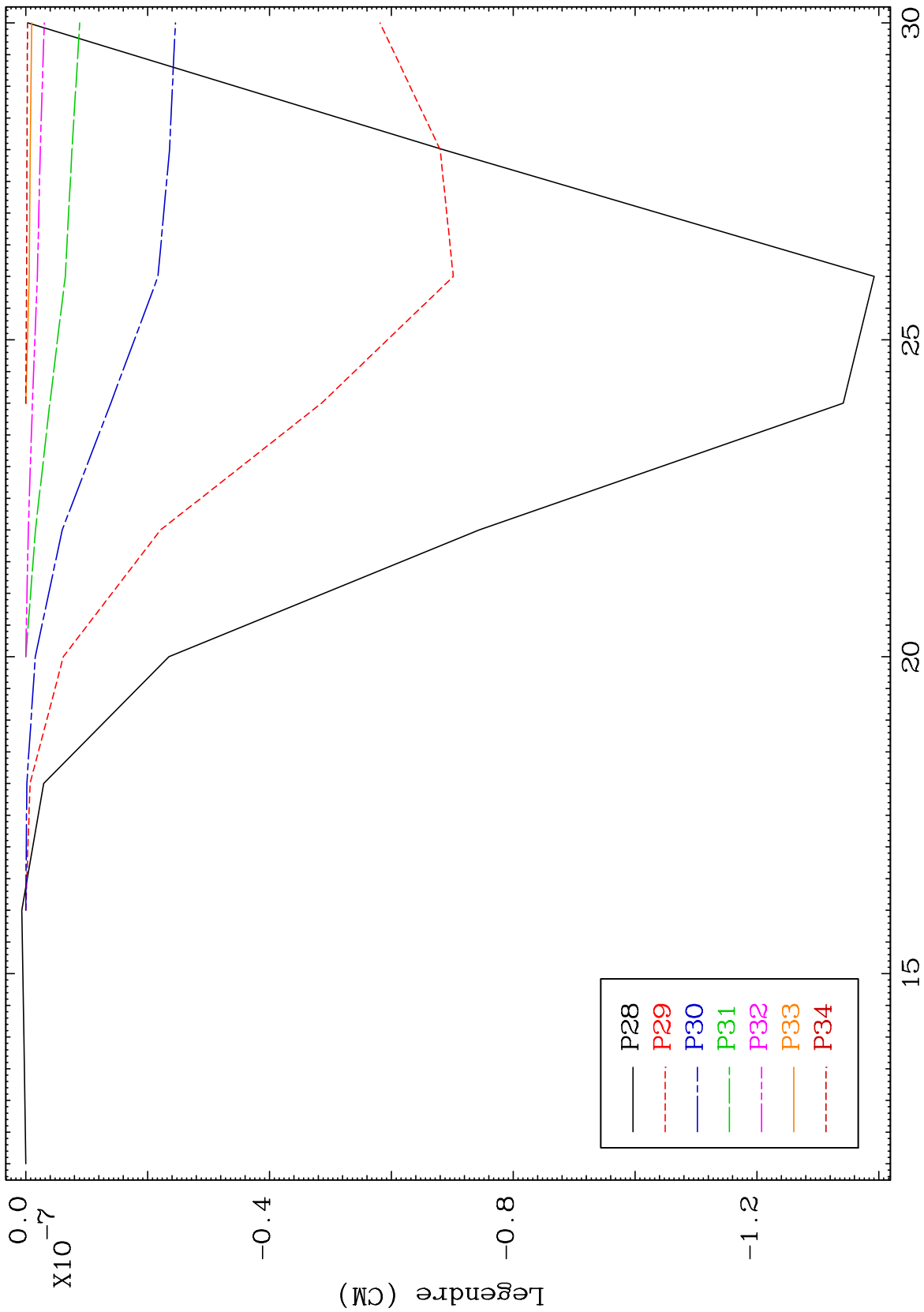
18

41-Nb-100

MAT 4146

41-Nb-100

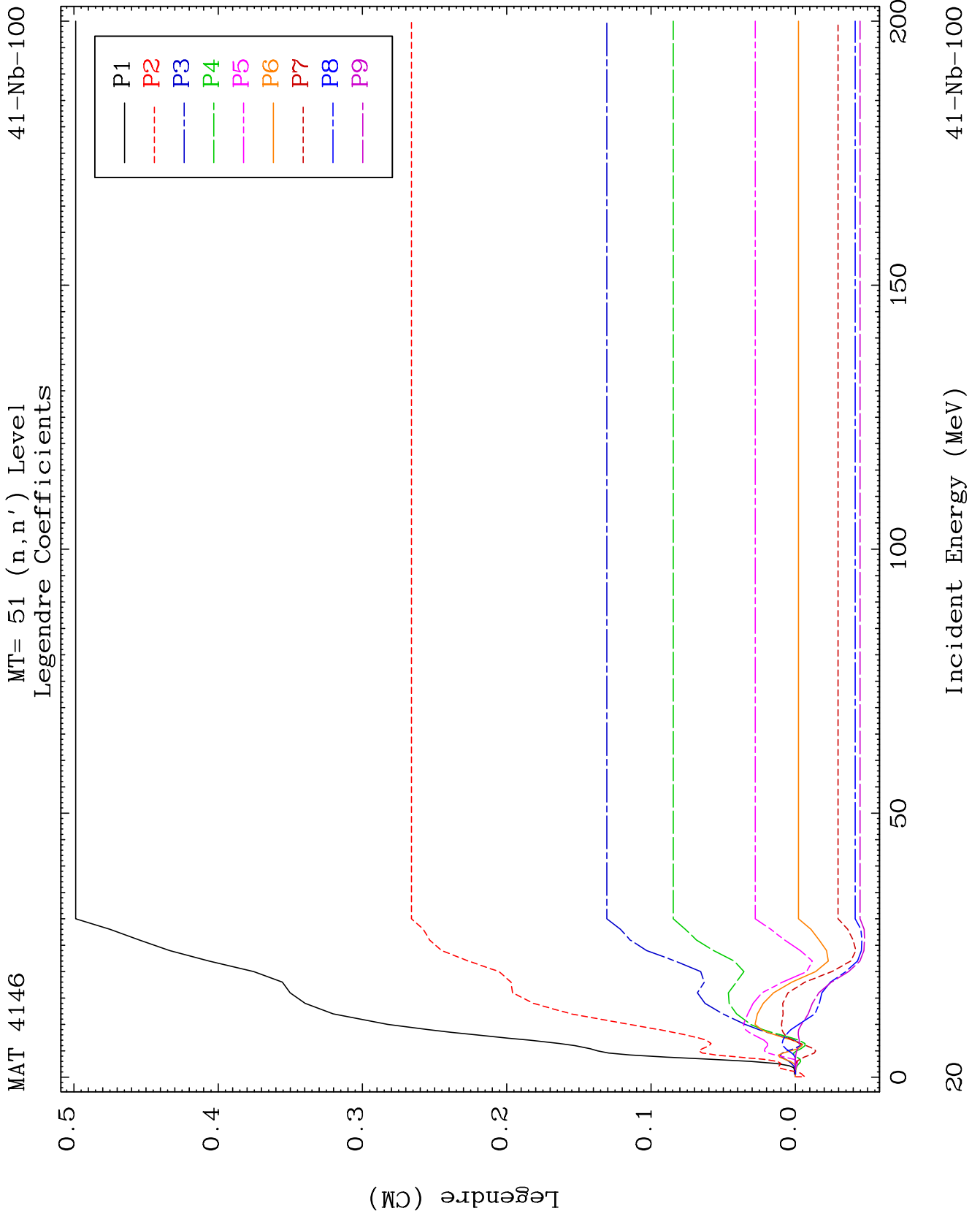
Elastic Legendre Coefficients



19

Incident Energy (MeV)

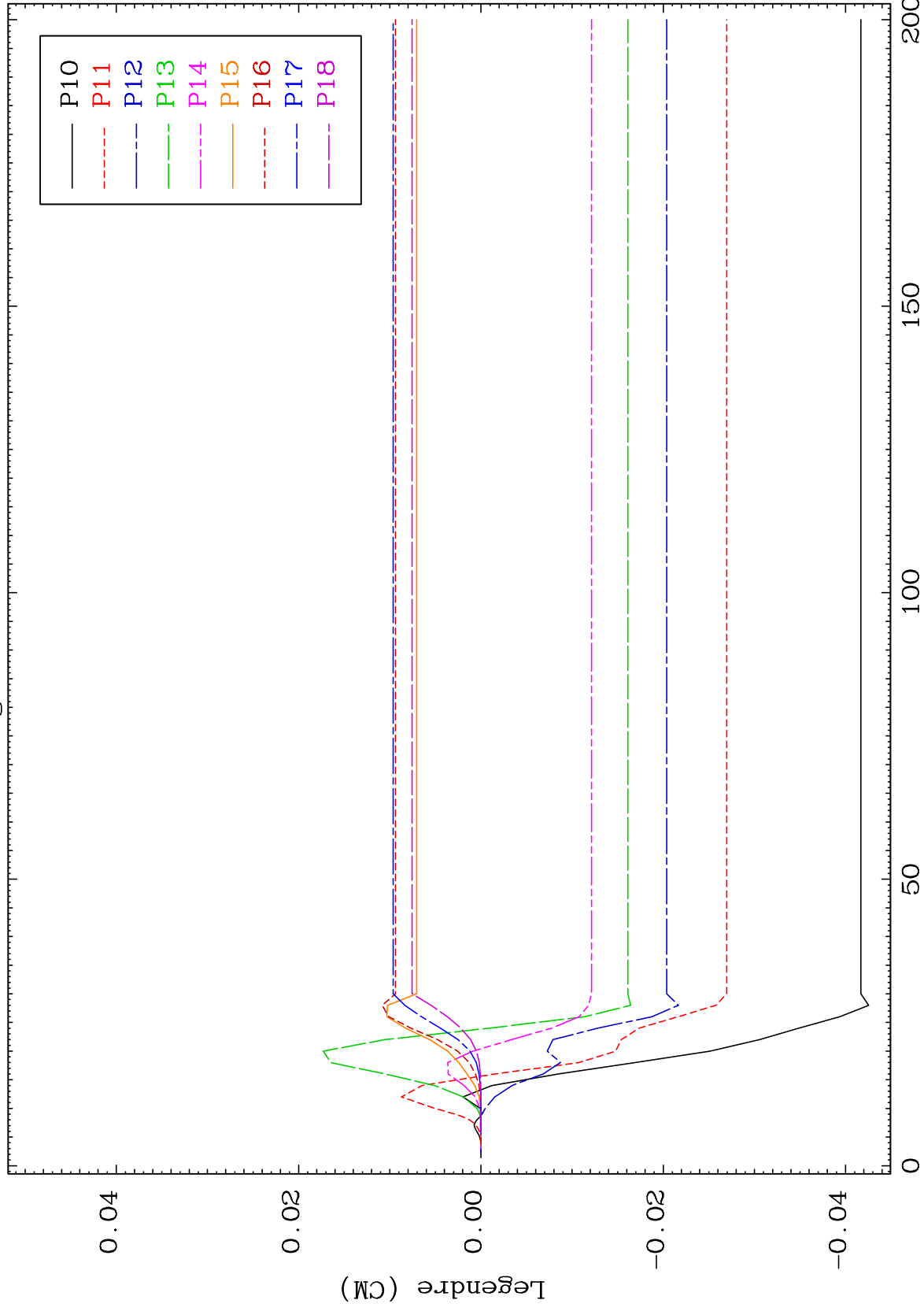
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MAT 4146

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

41-Nb-100



21

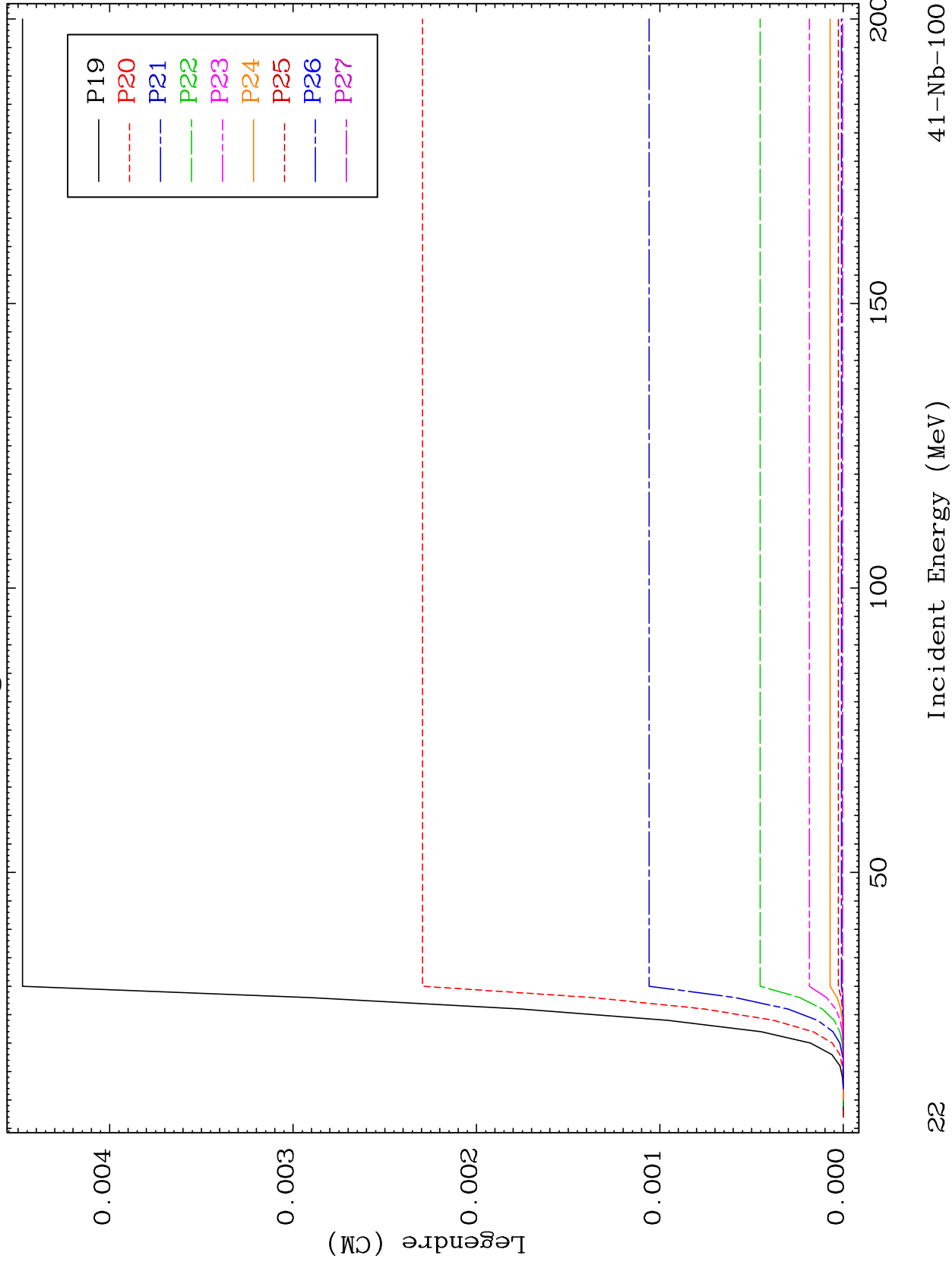
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



22

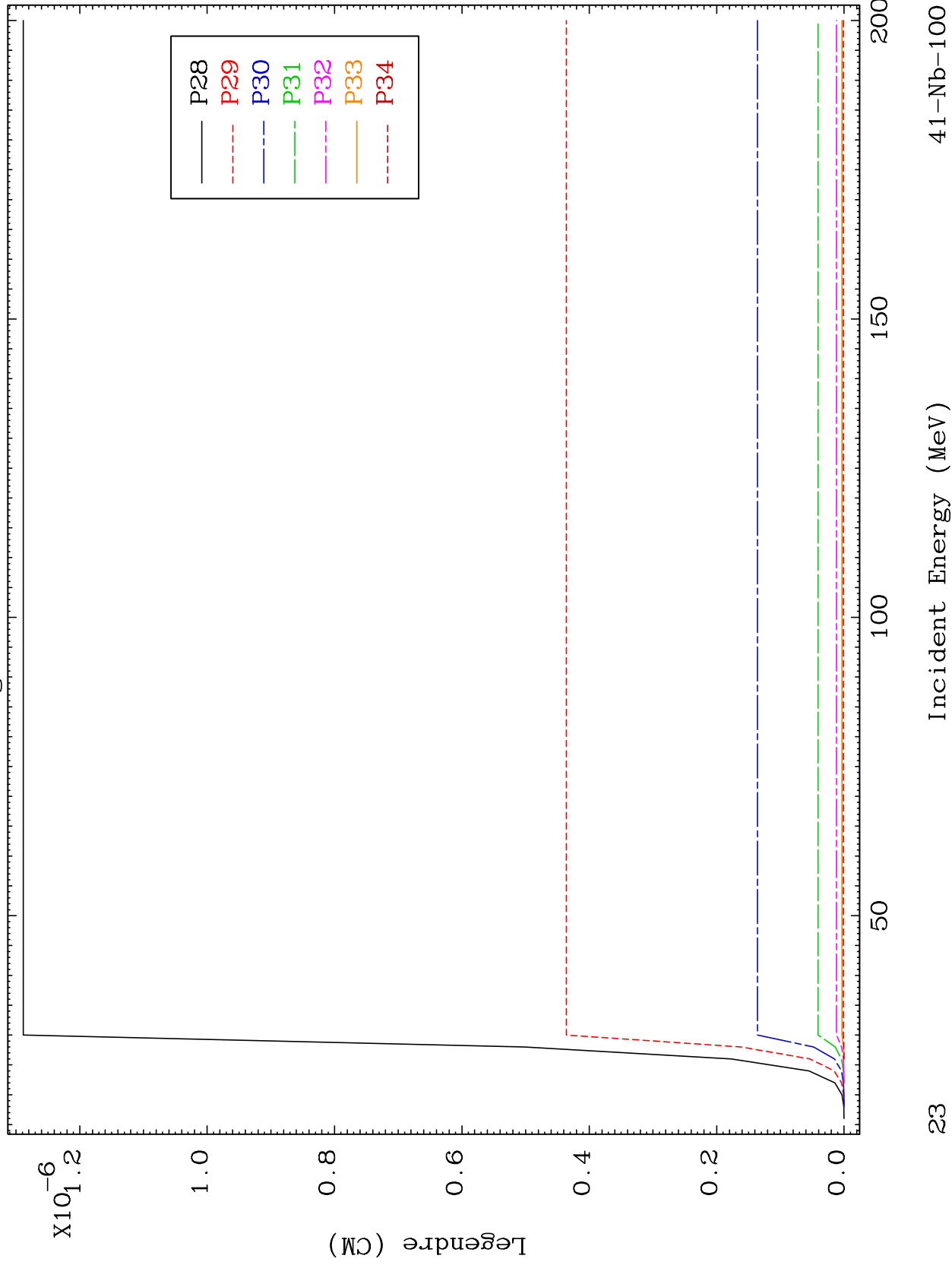
Incident Energy (MeV)

41-Nb-100

MAT 4146

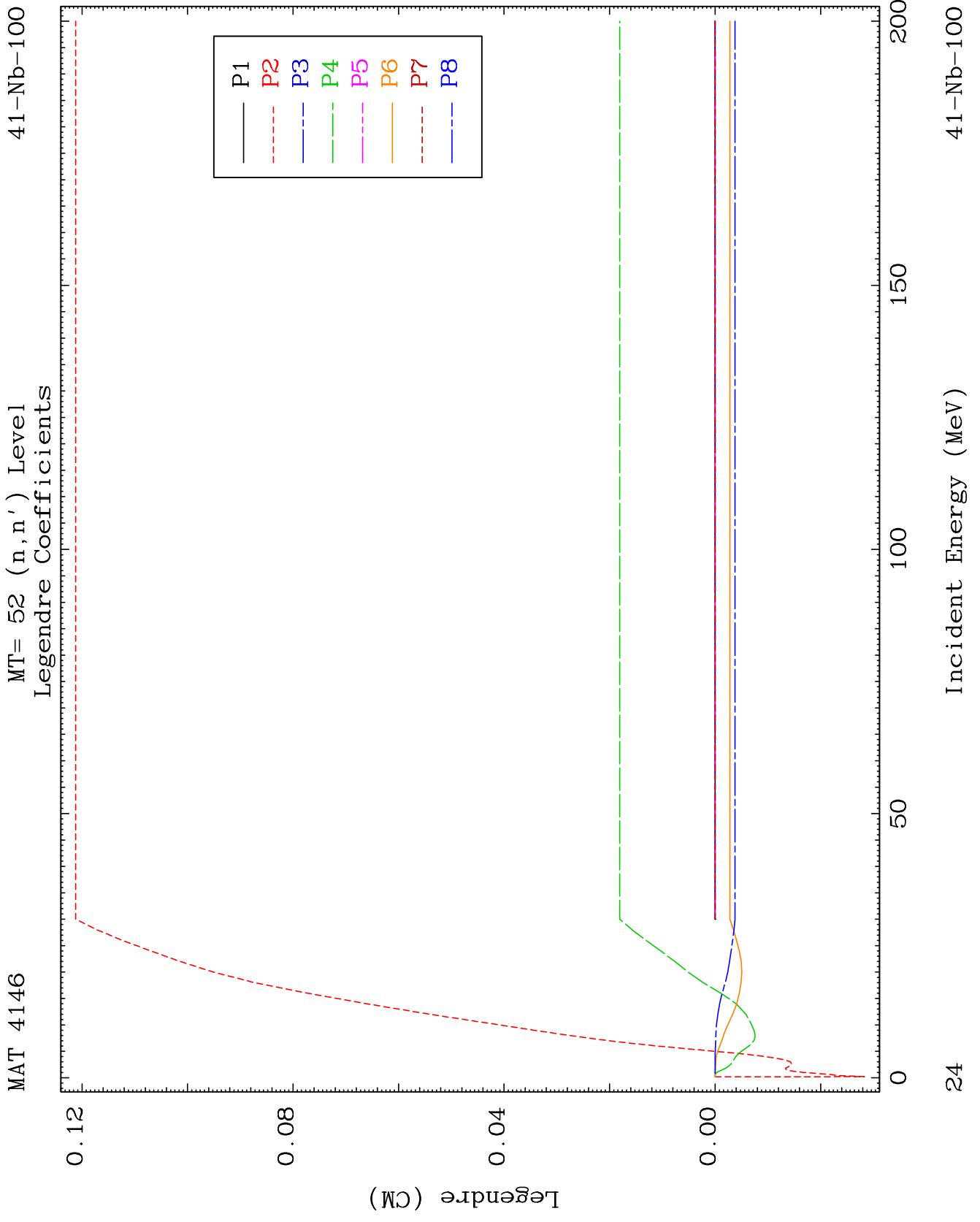
MT= 51 (n,n') Level  
Legendre Coefficients

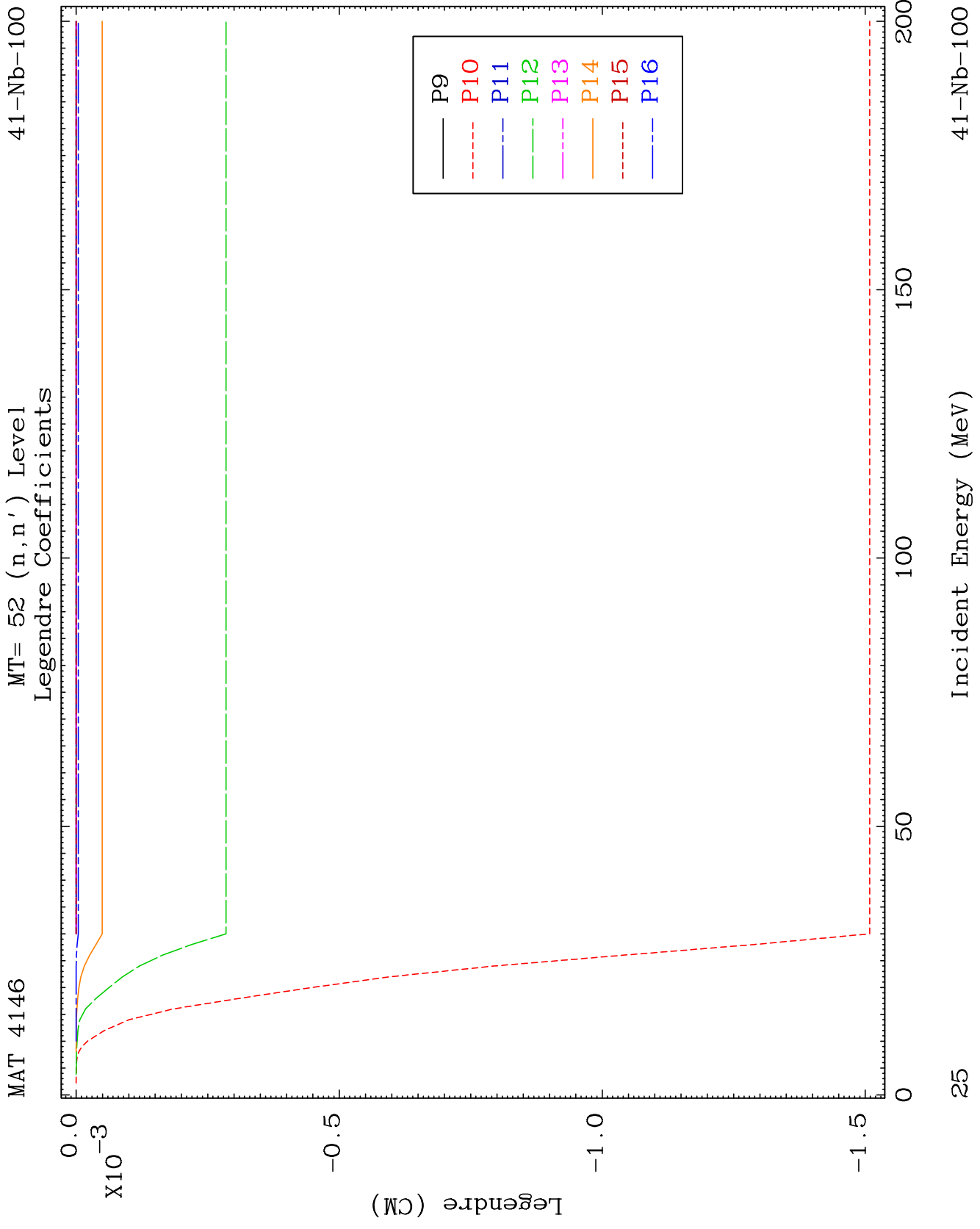
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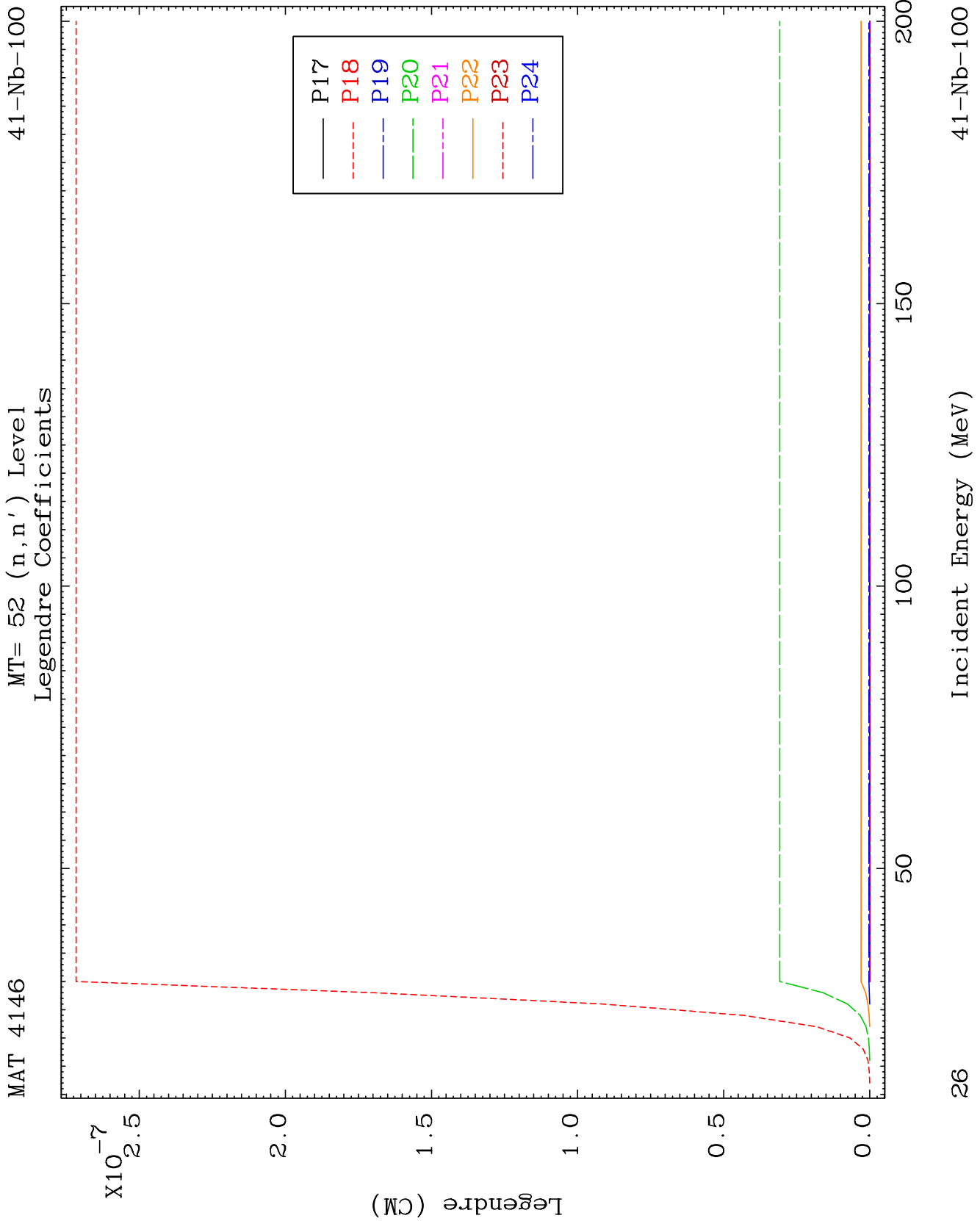


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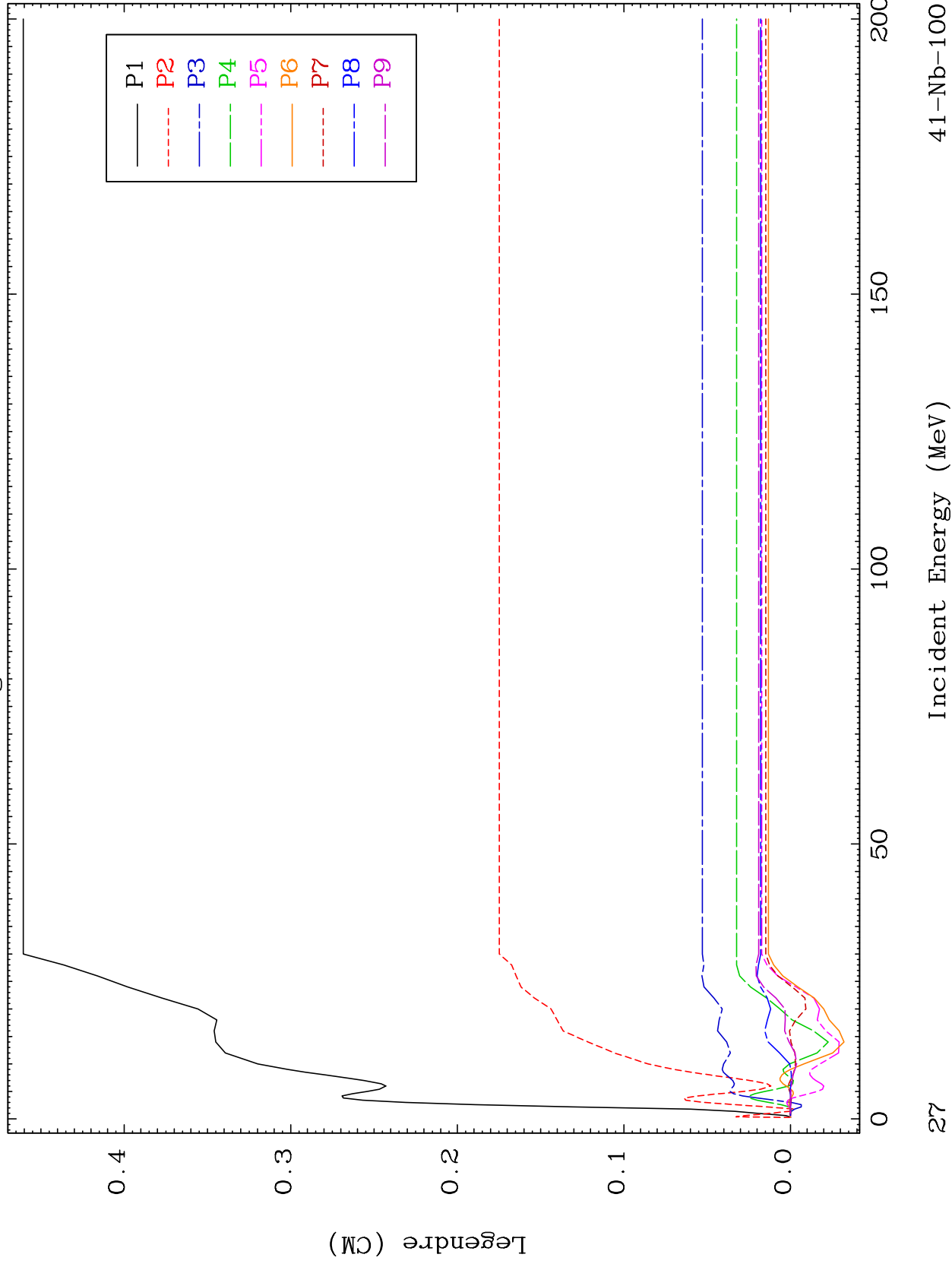




MAT 4146

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

41-Nb-100



41-Nb-100

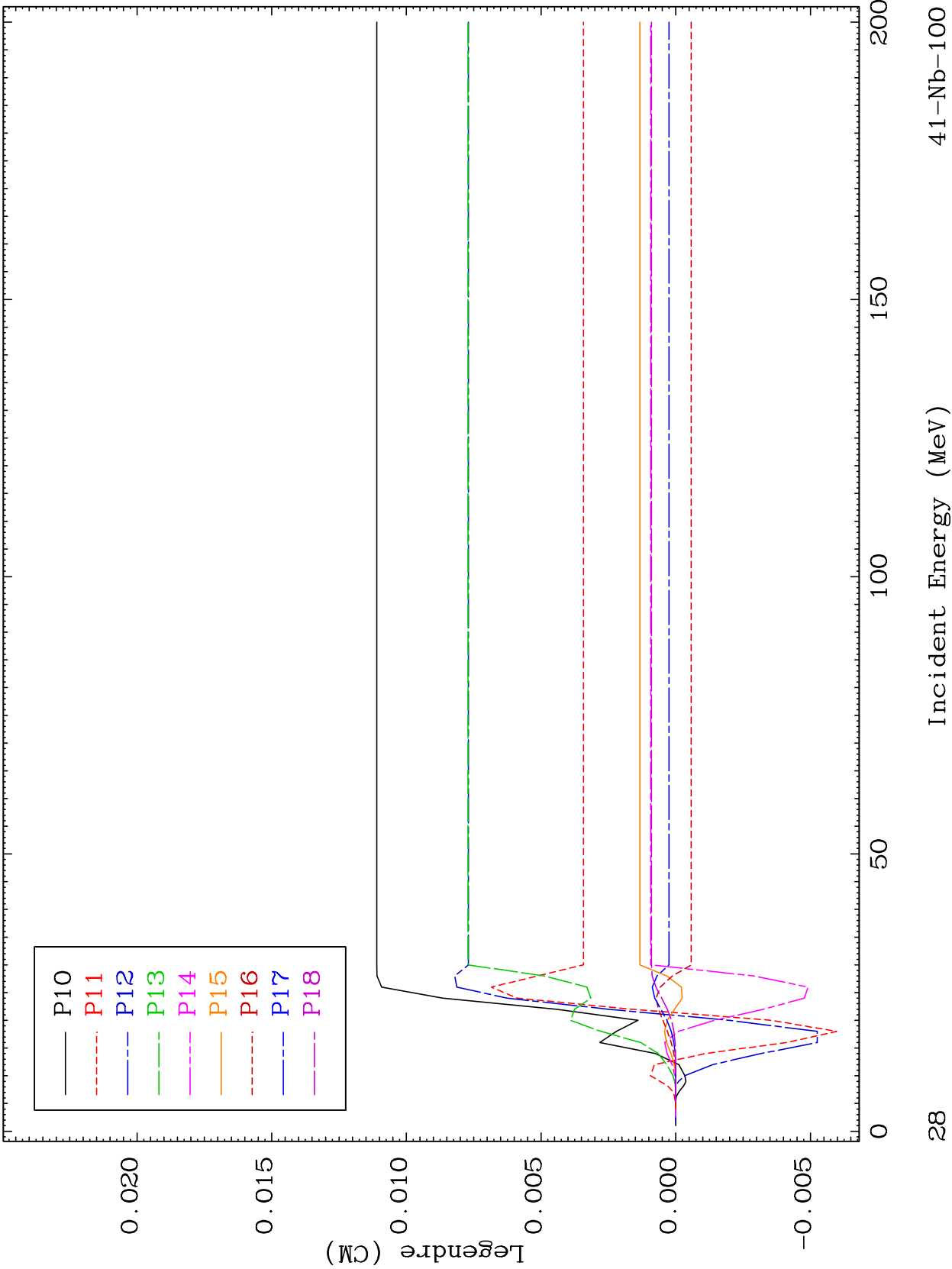
Incident Energy (MeV)

27

MAT 4146

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

41-Nb-100



28

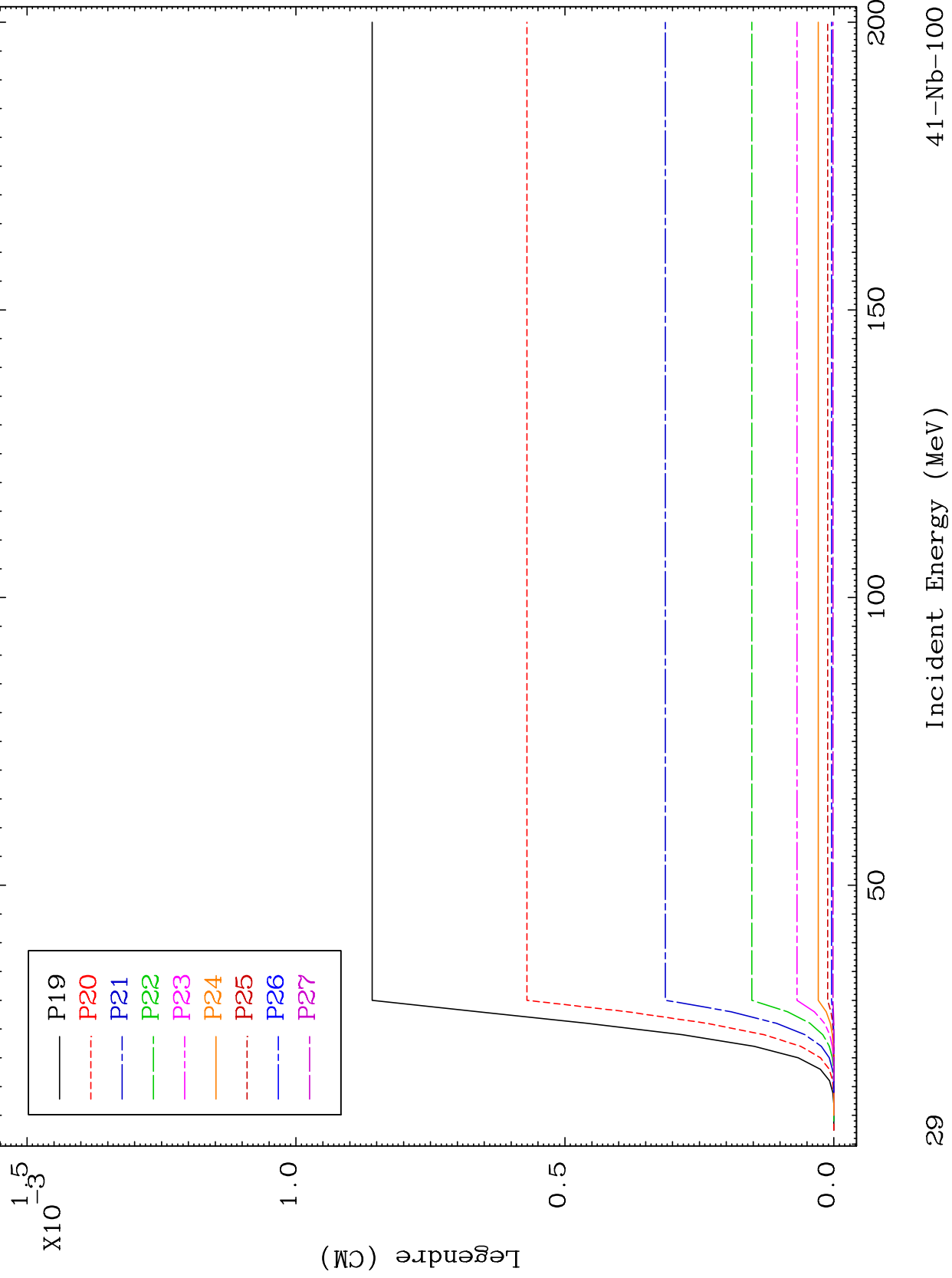
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

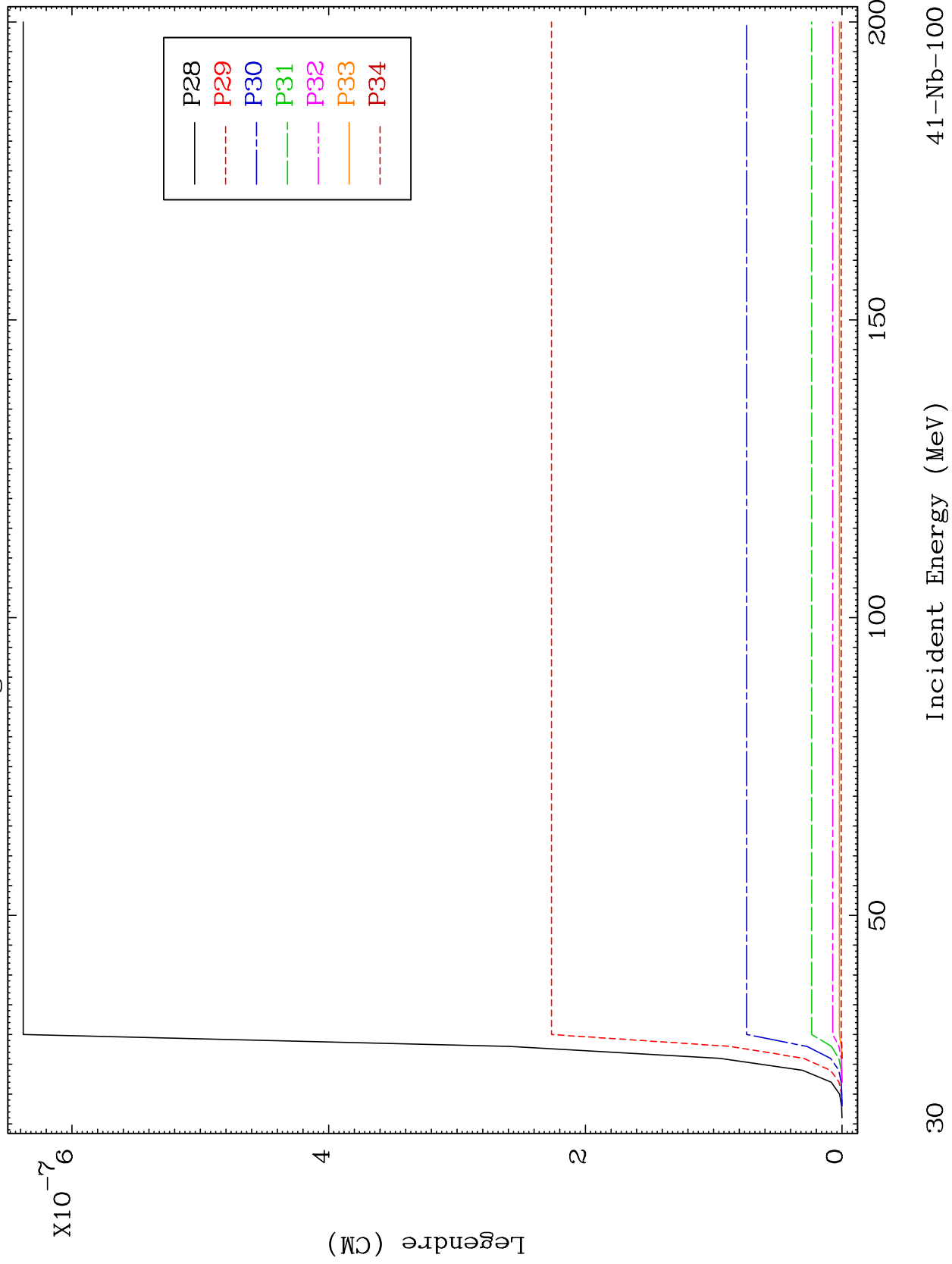
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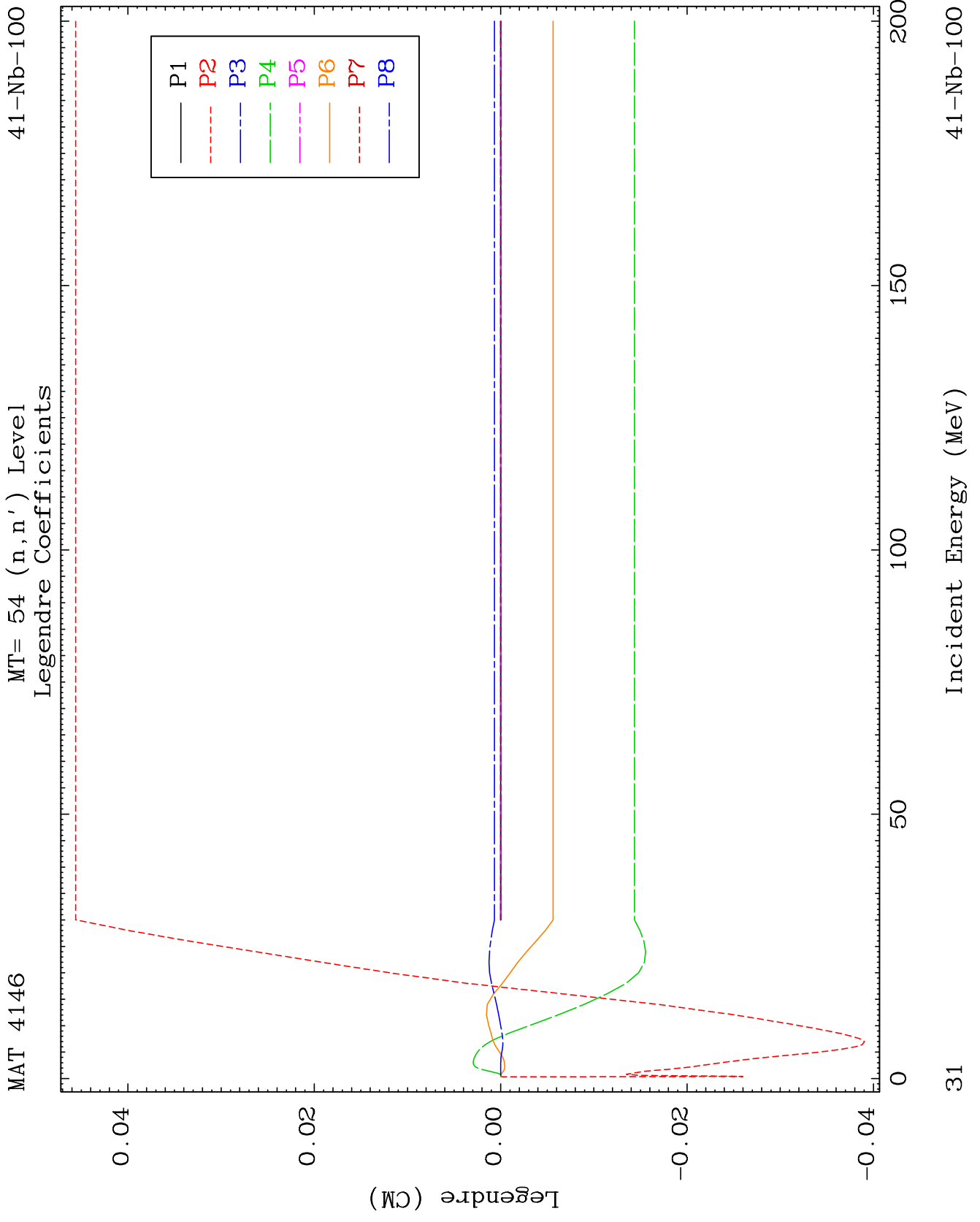


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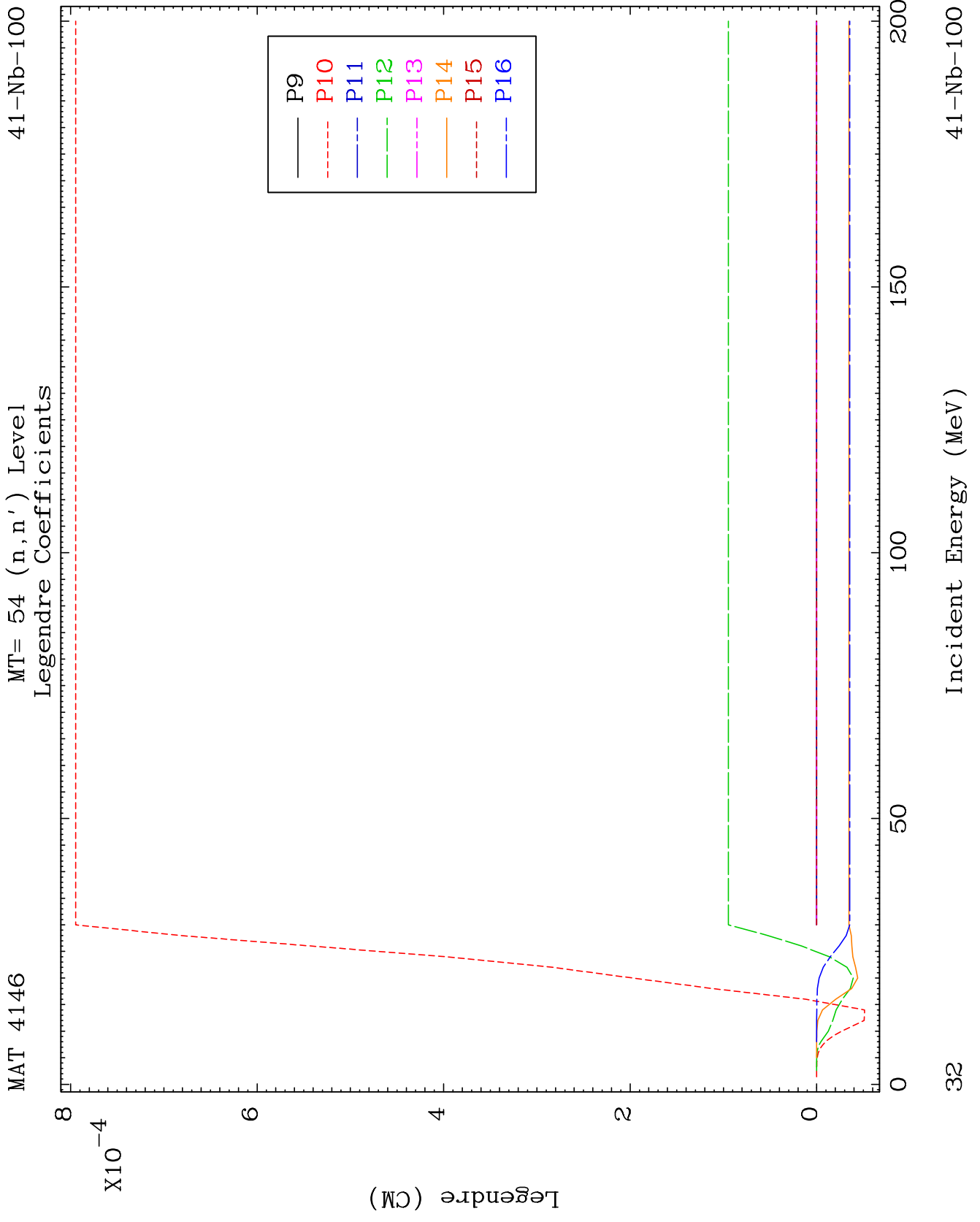
MT= 53 (n,n') Level  
Legendre Coefficients

41-Nb-100





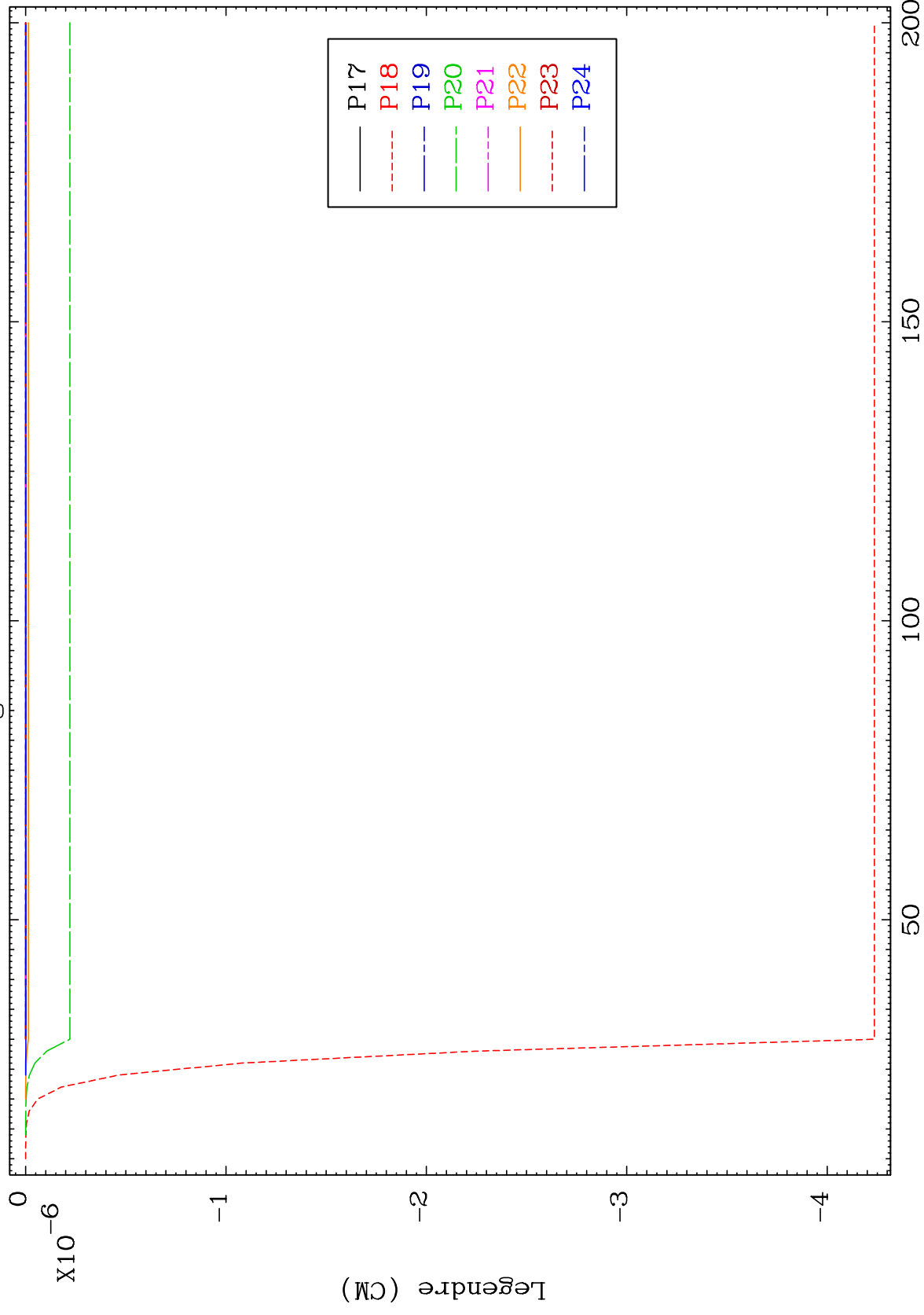




MAT 4146

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

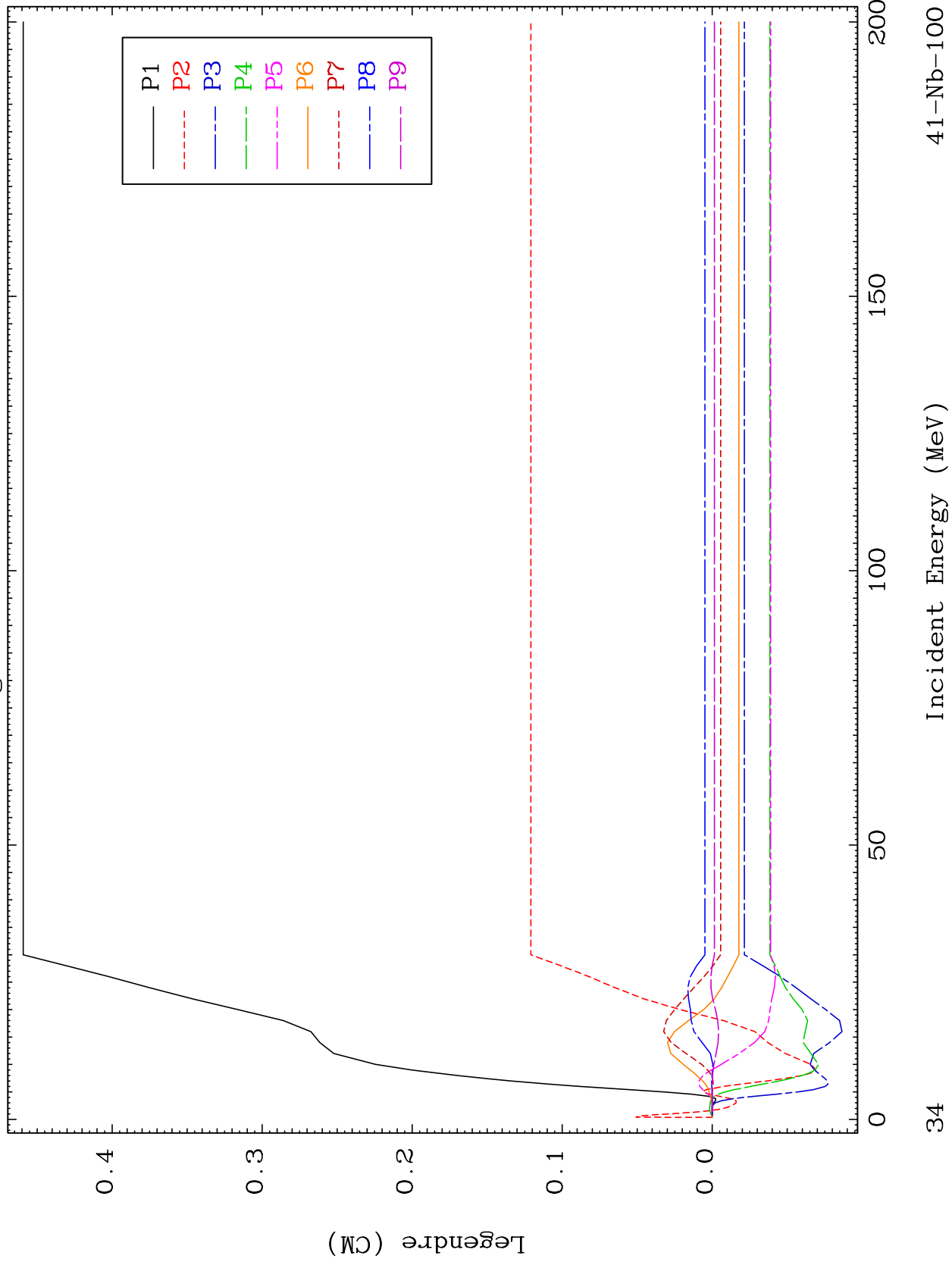
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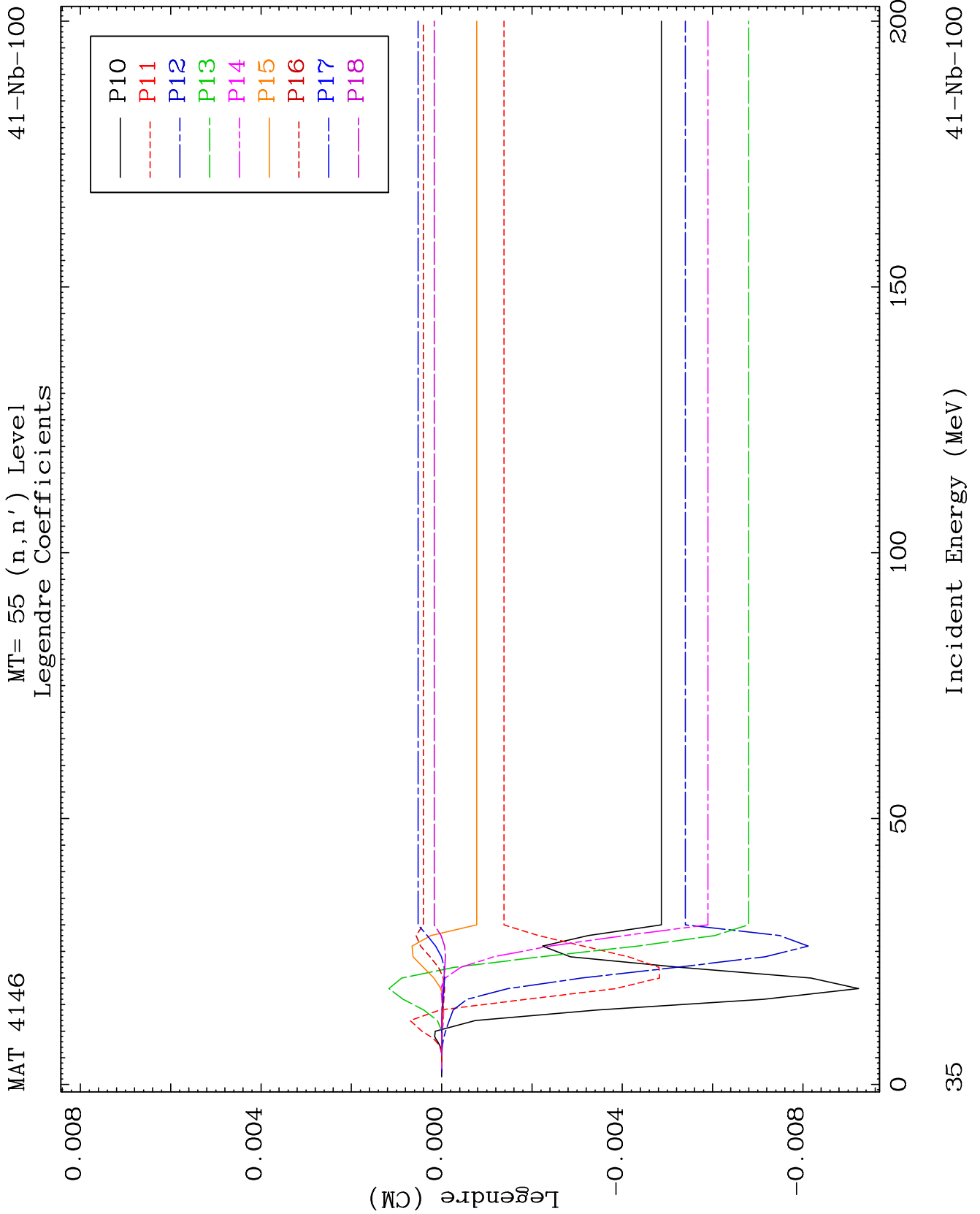
MT= 55 (n,n') Level  
Legendre Coefficients

41-Nb-100



34

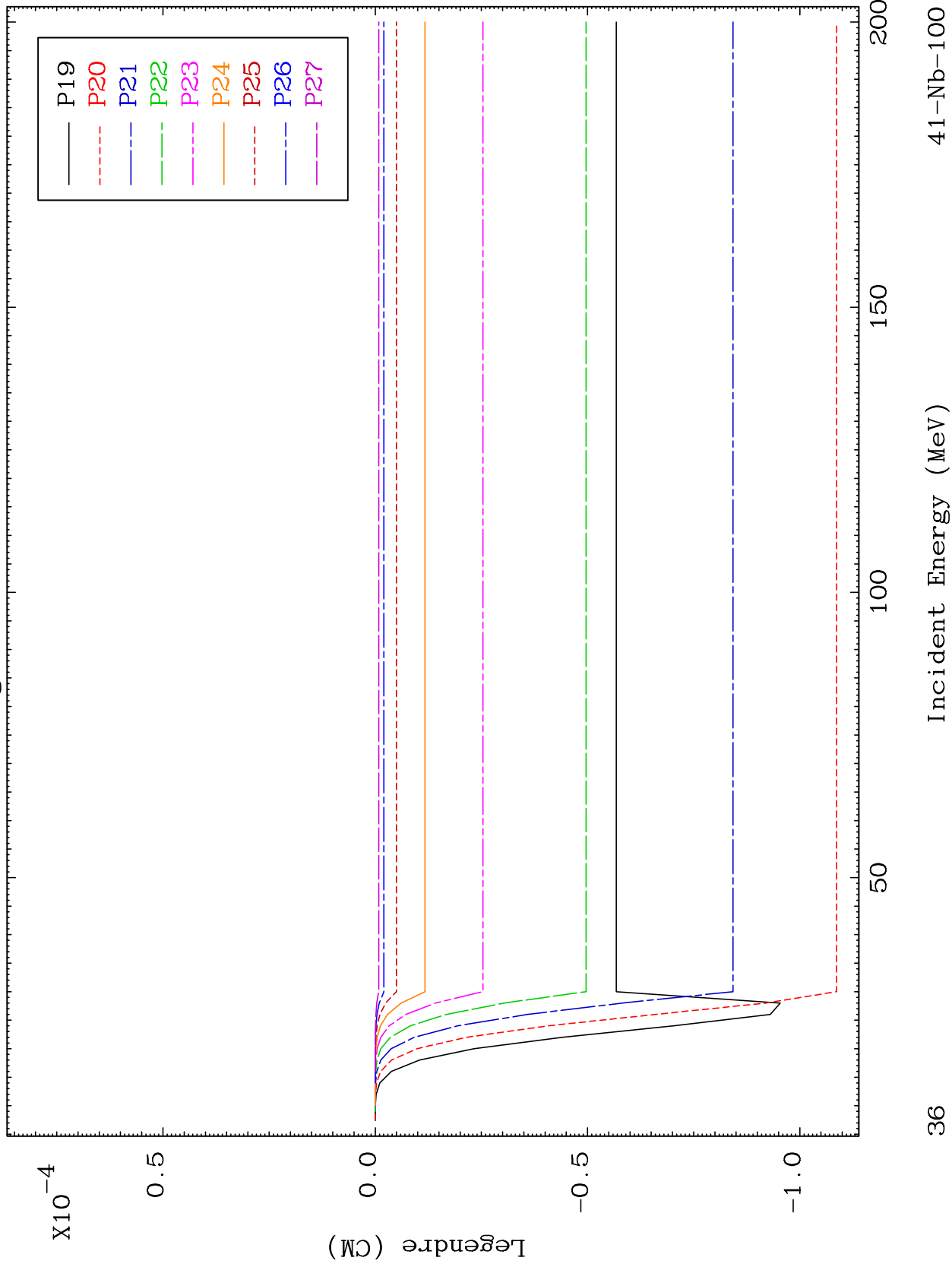
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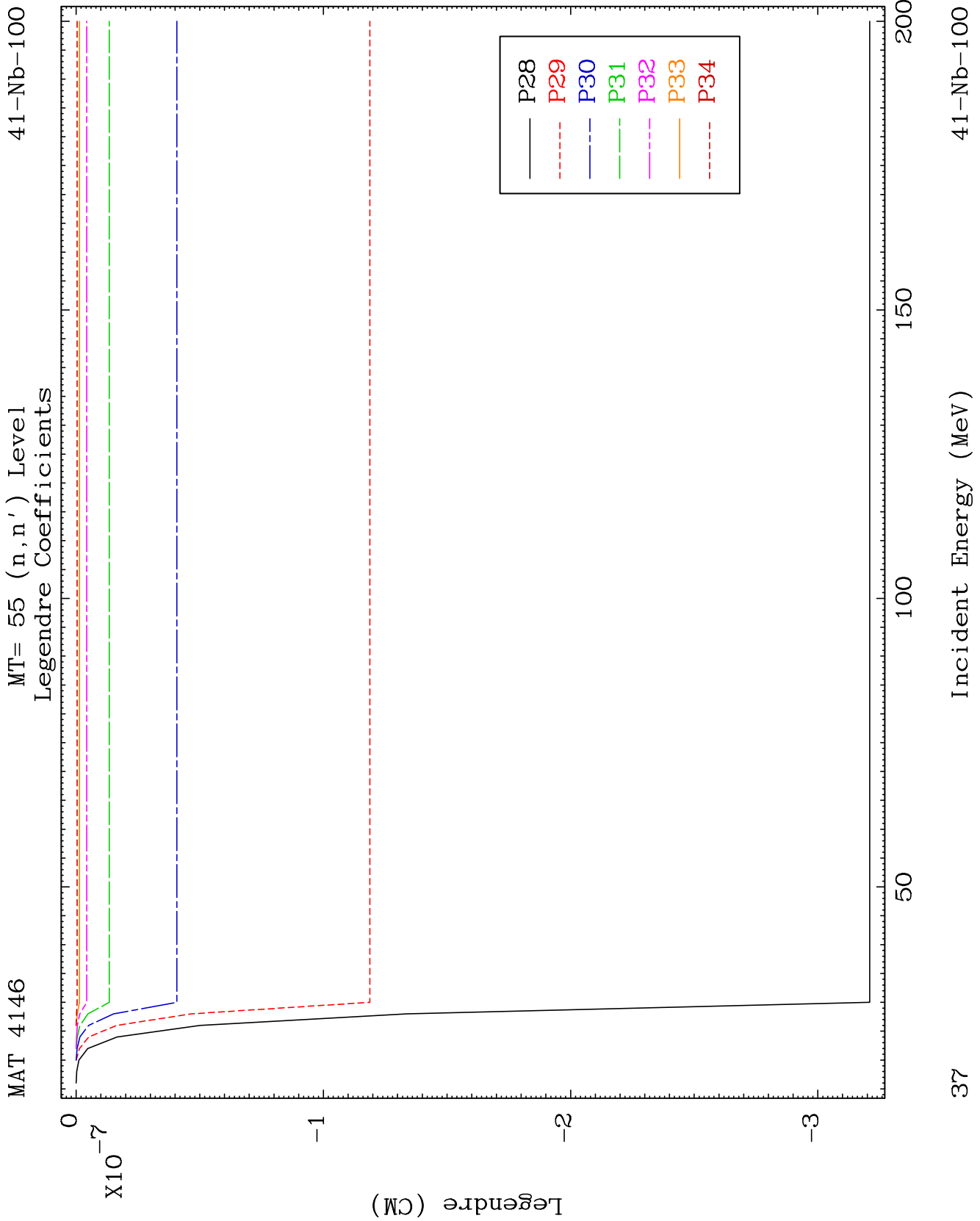


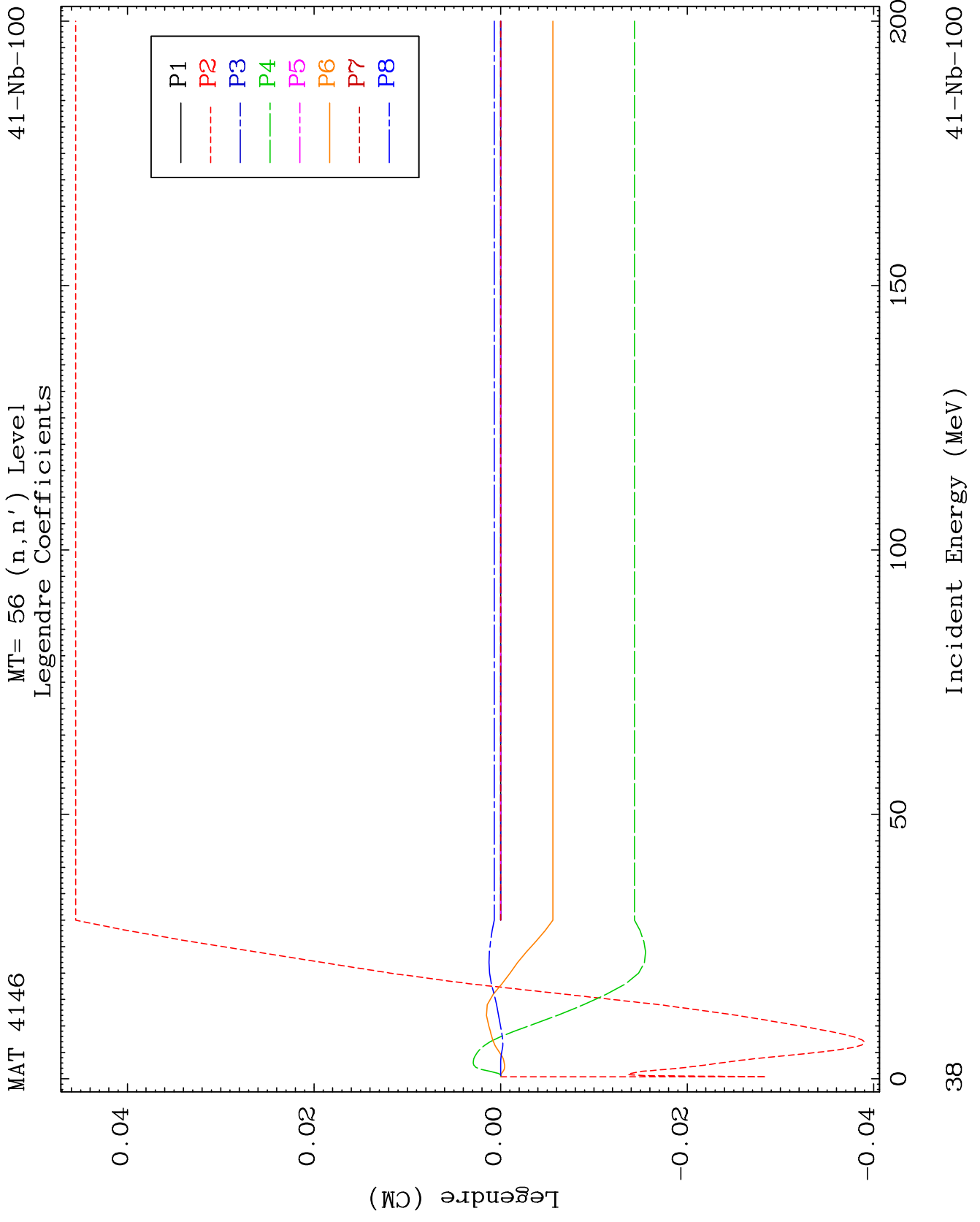
MAT 4146

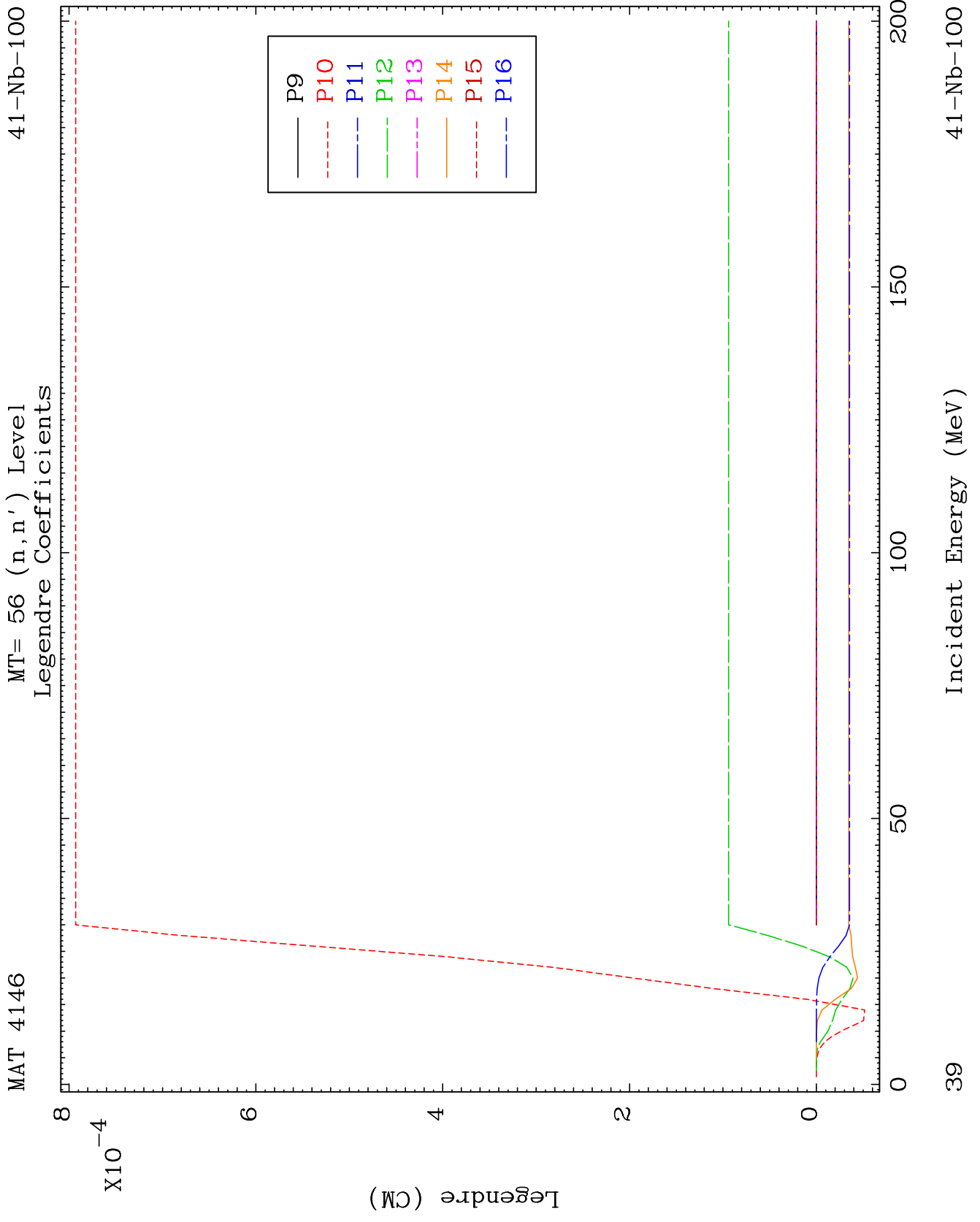
MT= 55 (n,n') Level  
Legendre Coefficients

41-Nb-100

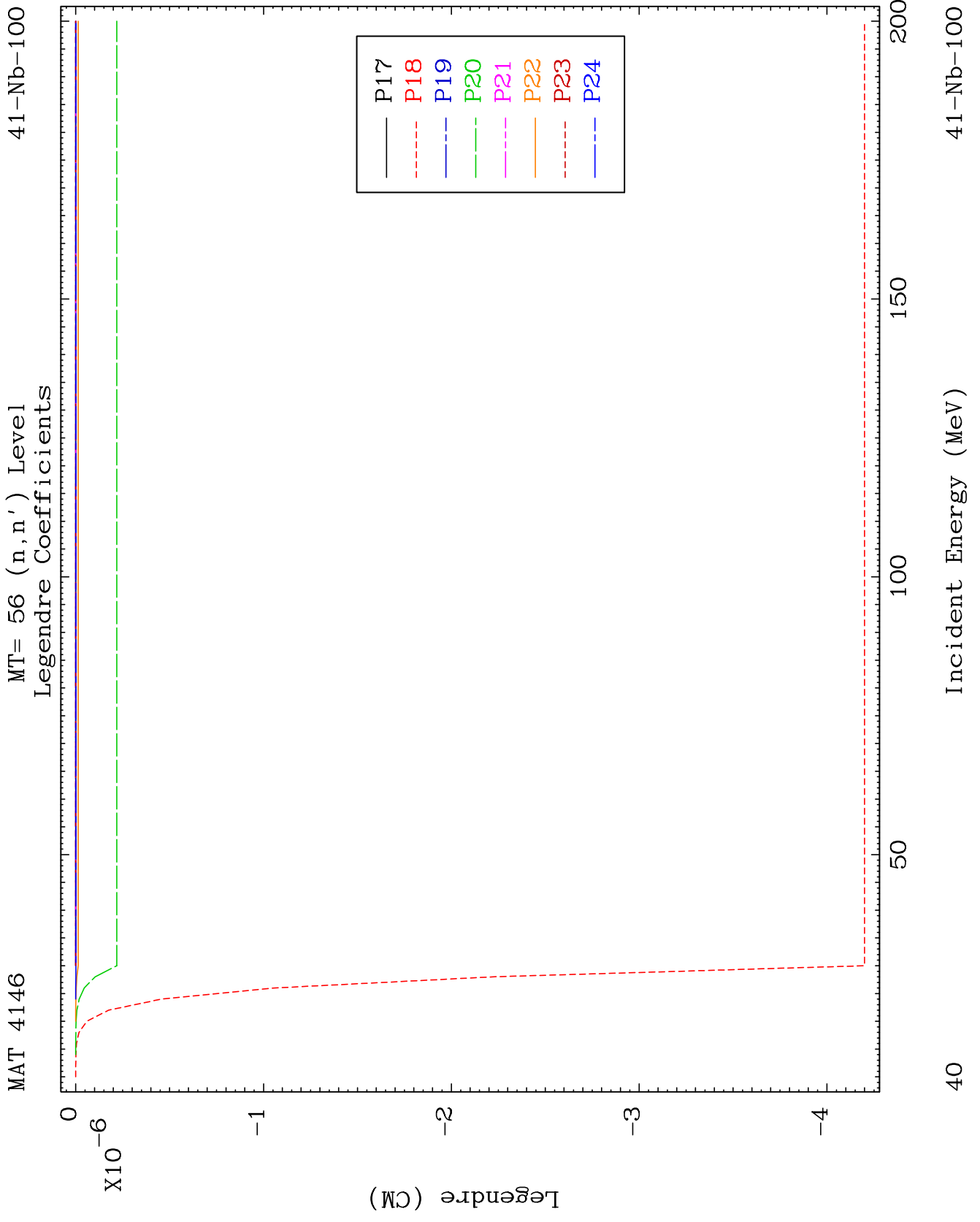










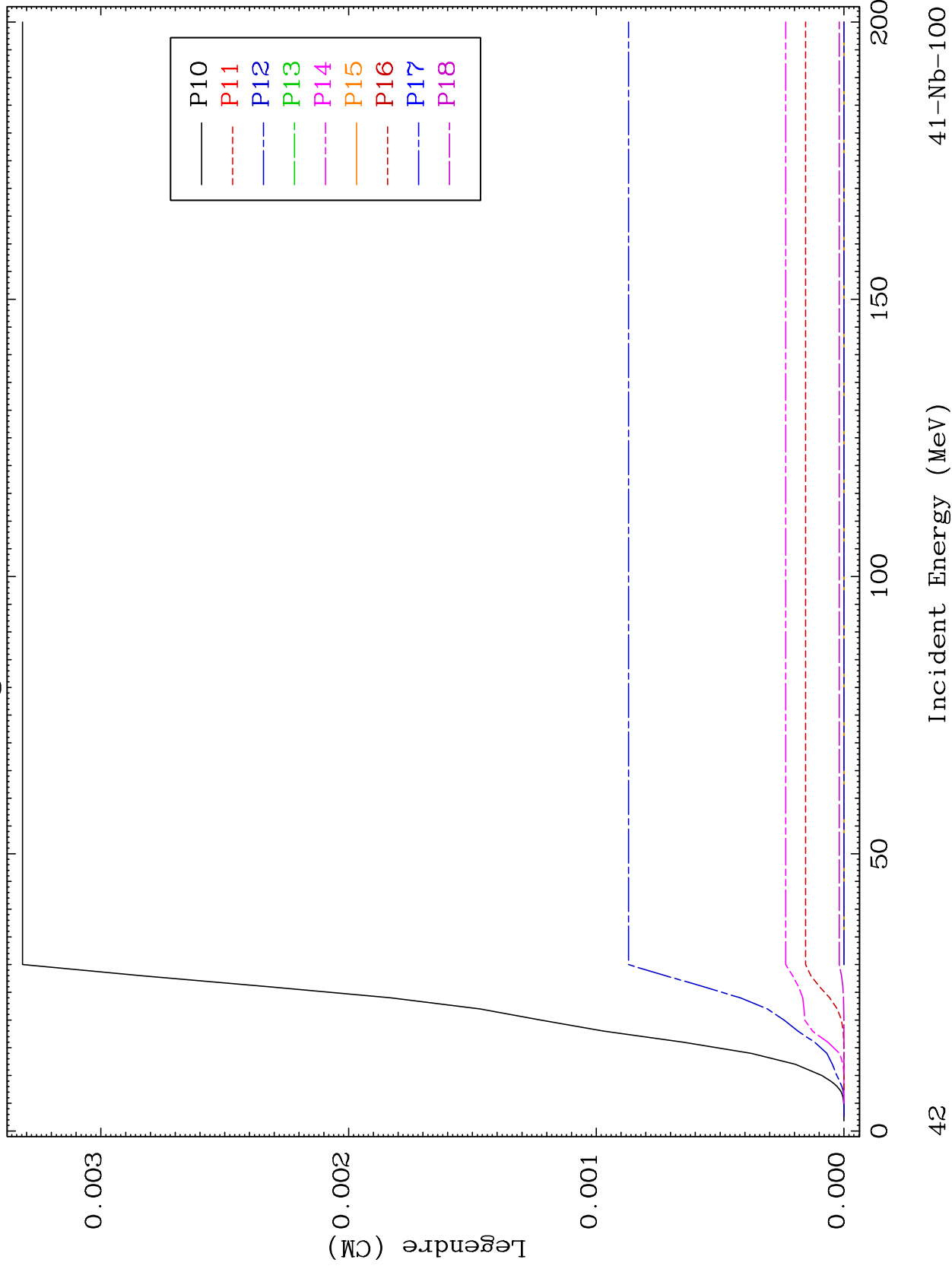




MAT 4146

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

41-Nb-100

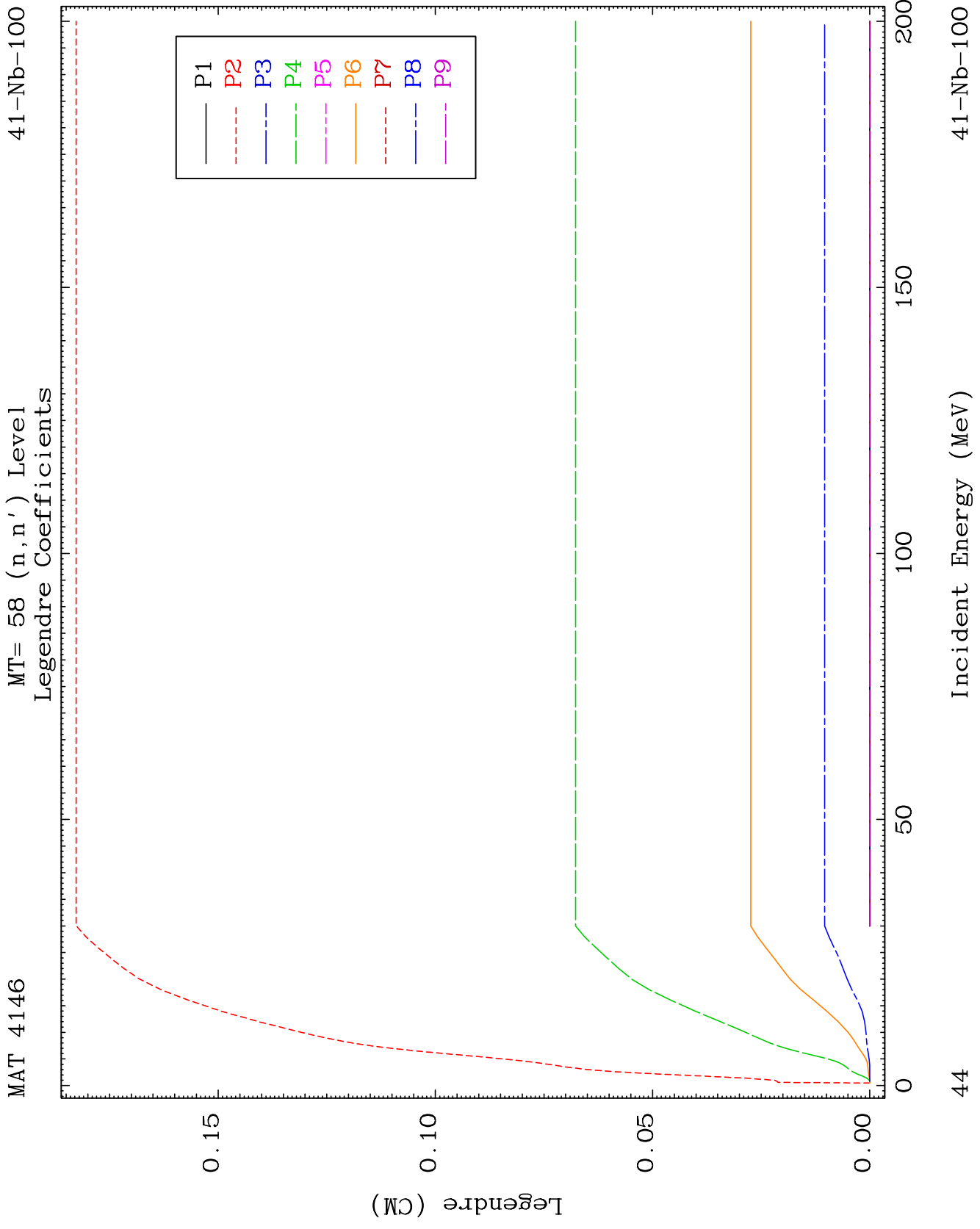


42

Incident Energy (MeV)

41-Nb-100

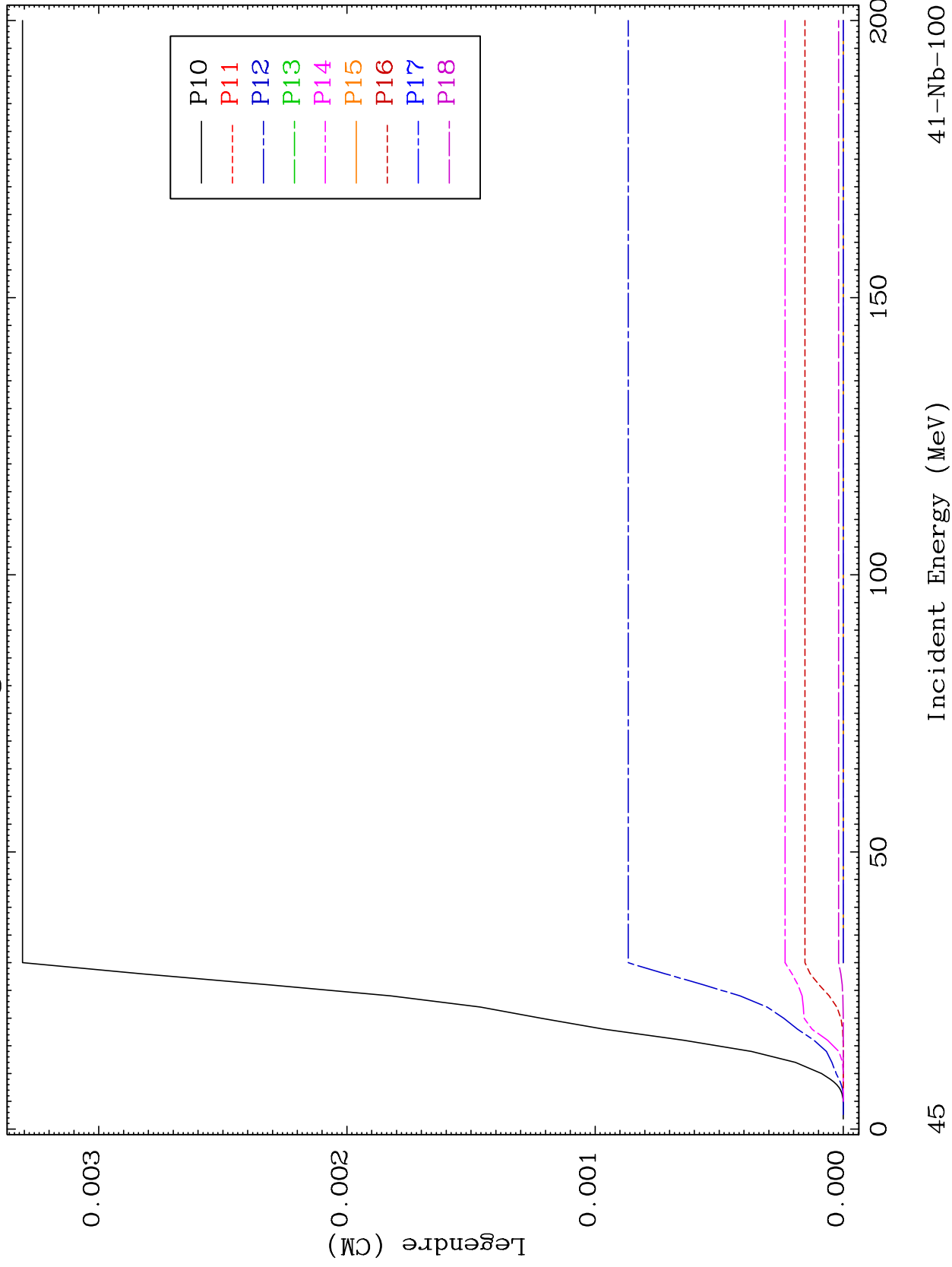


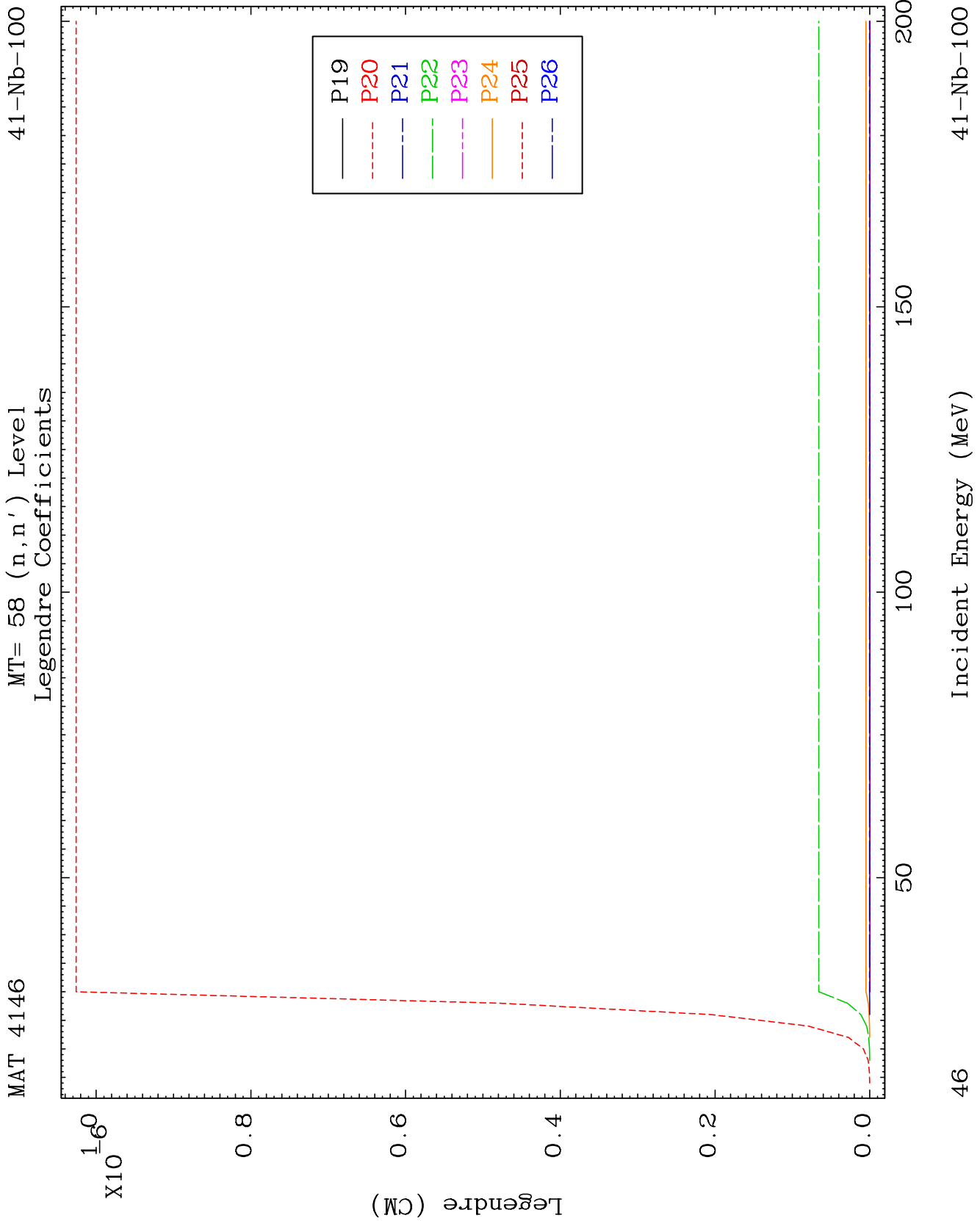


MAT 4146

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

41-Nb-100

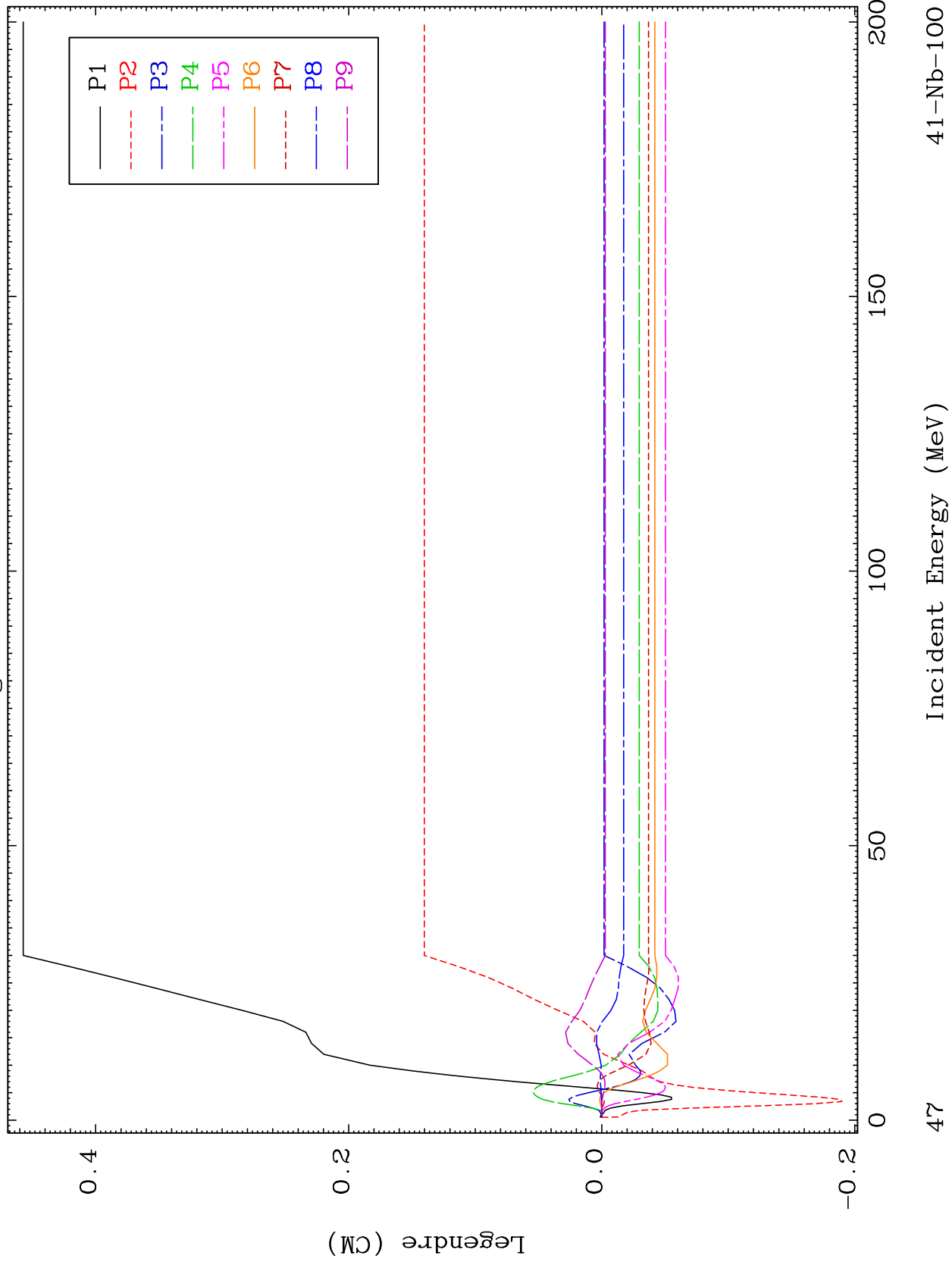




MAT 4146

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

41-Nb-100

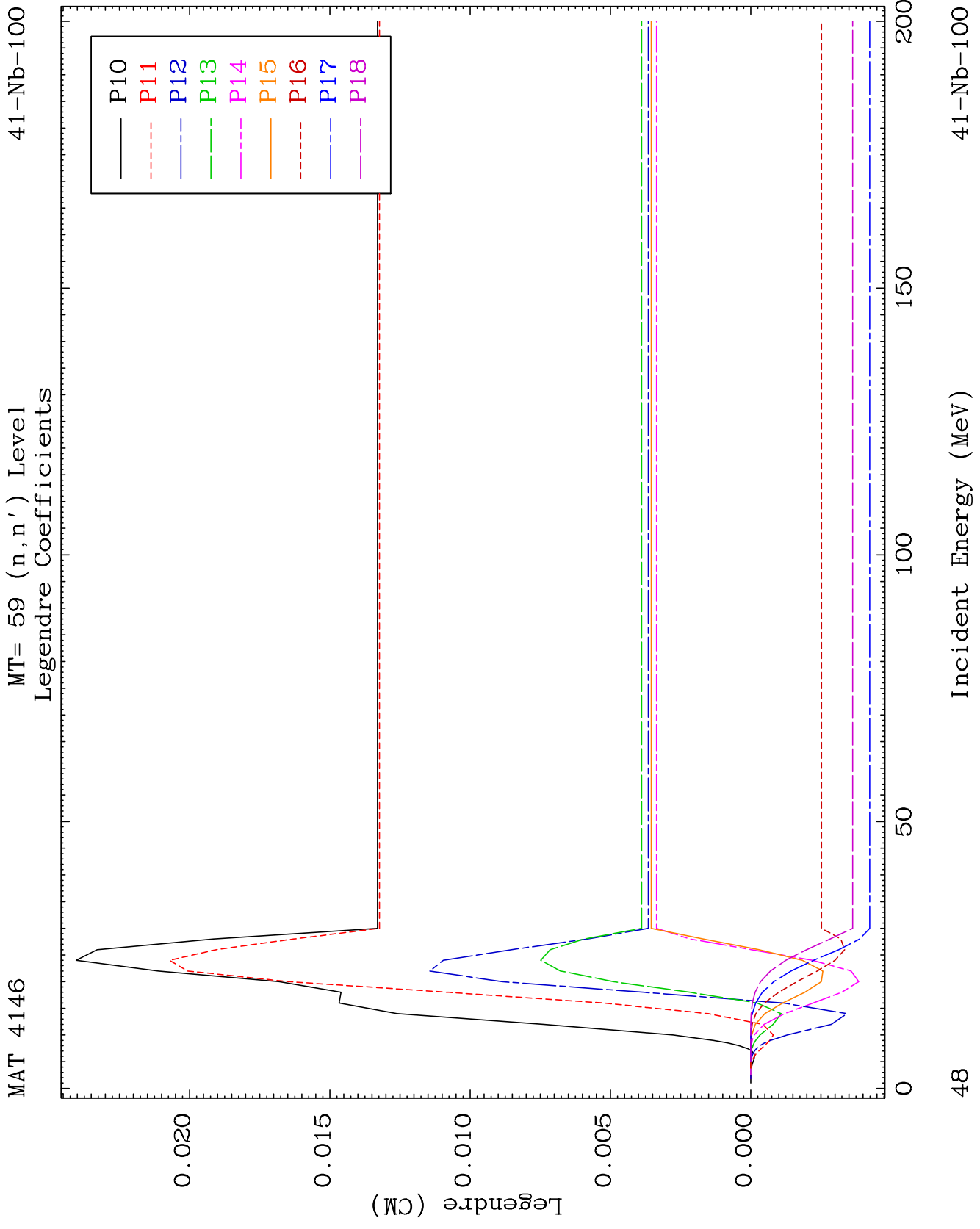


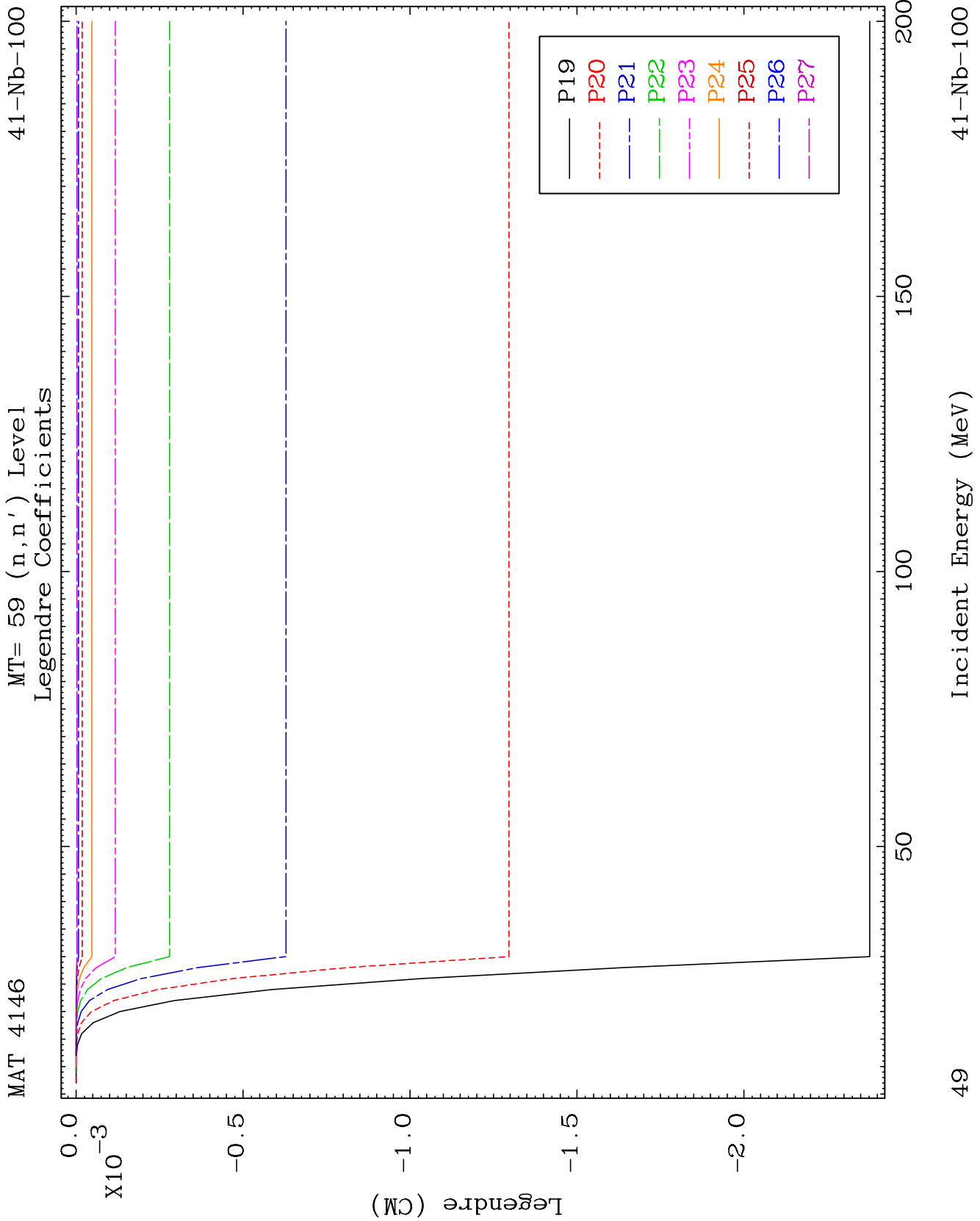
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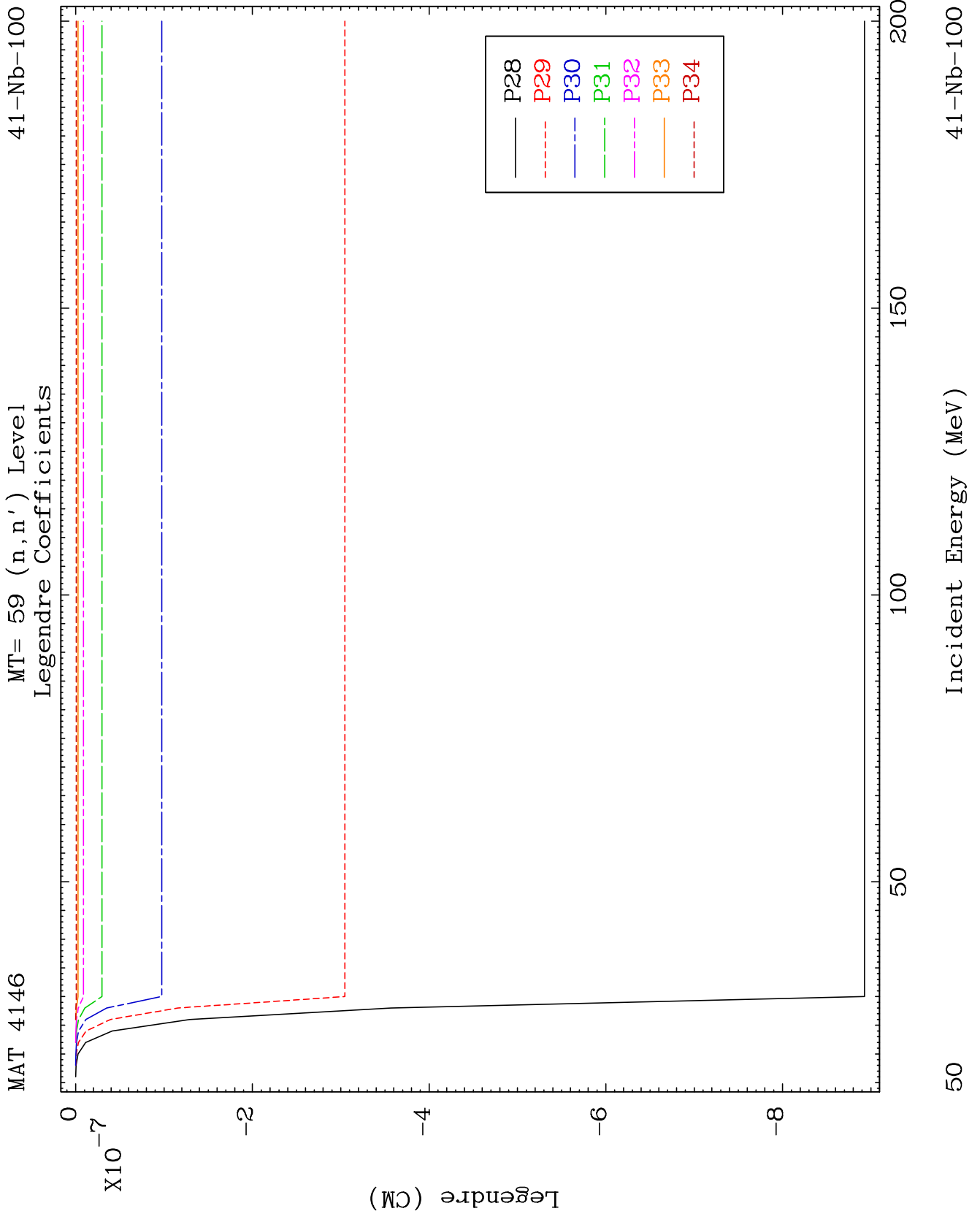
Incident Energy (MeV)

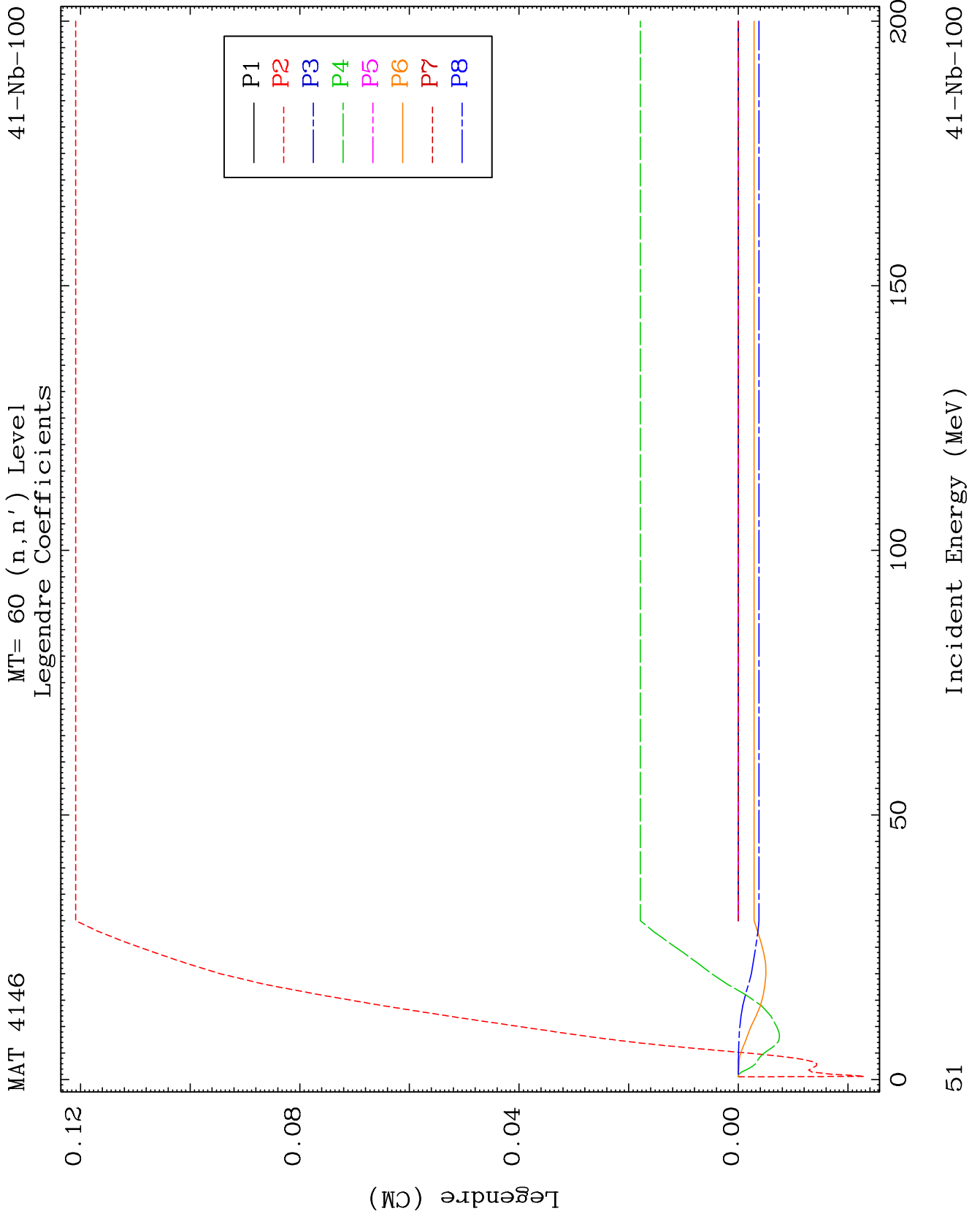
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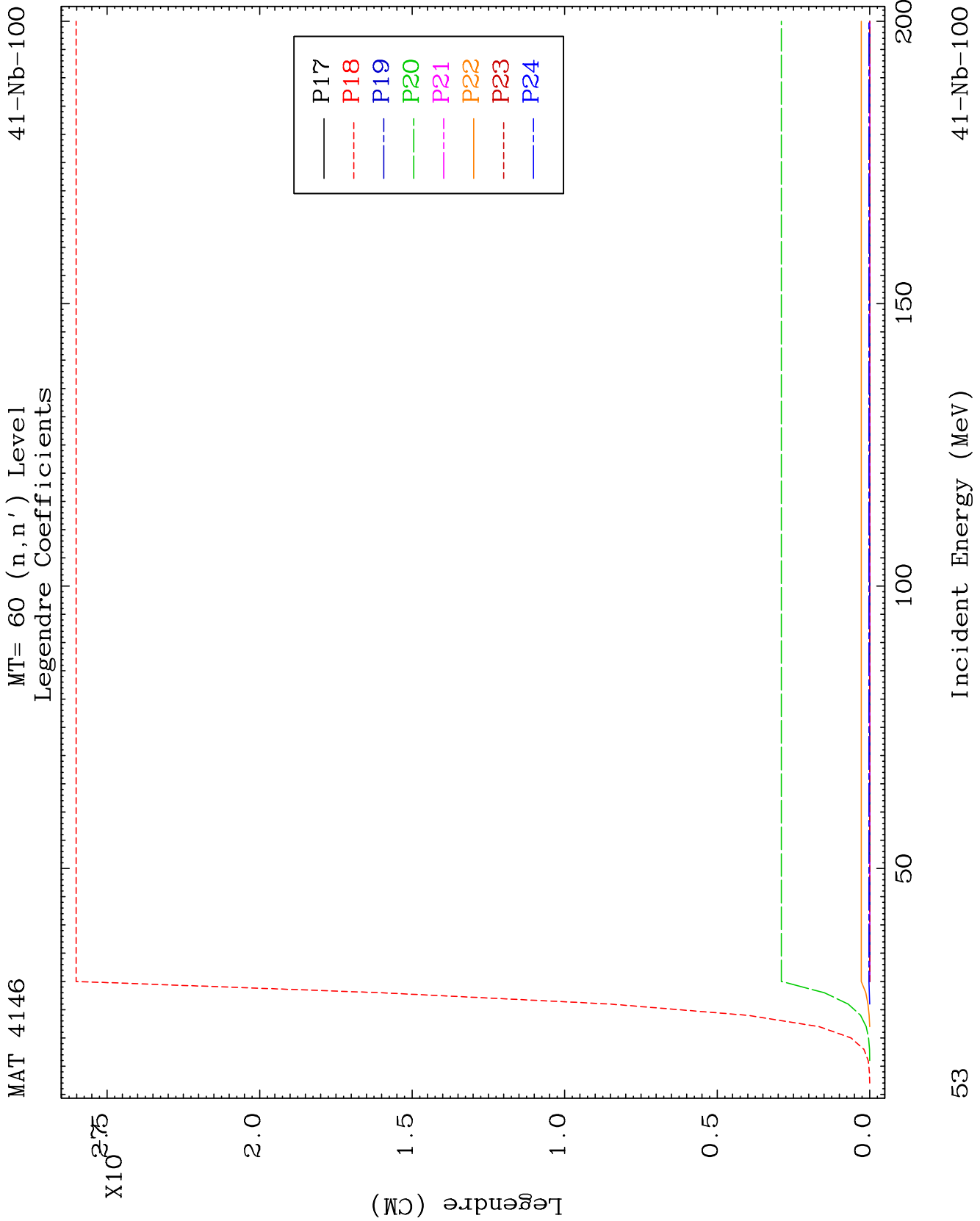


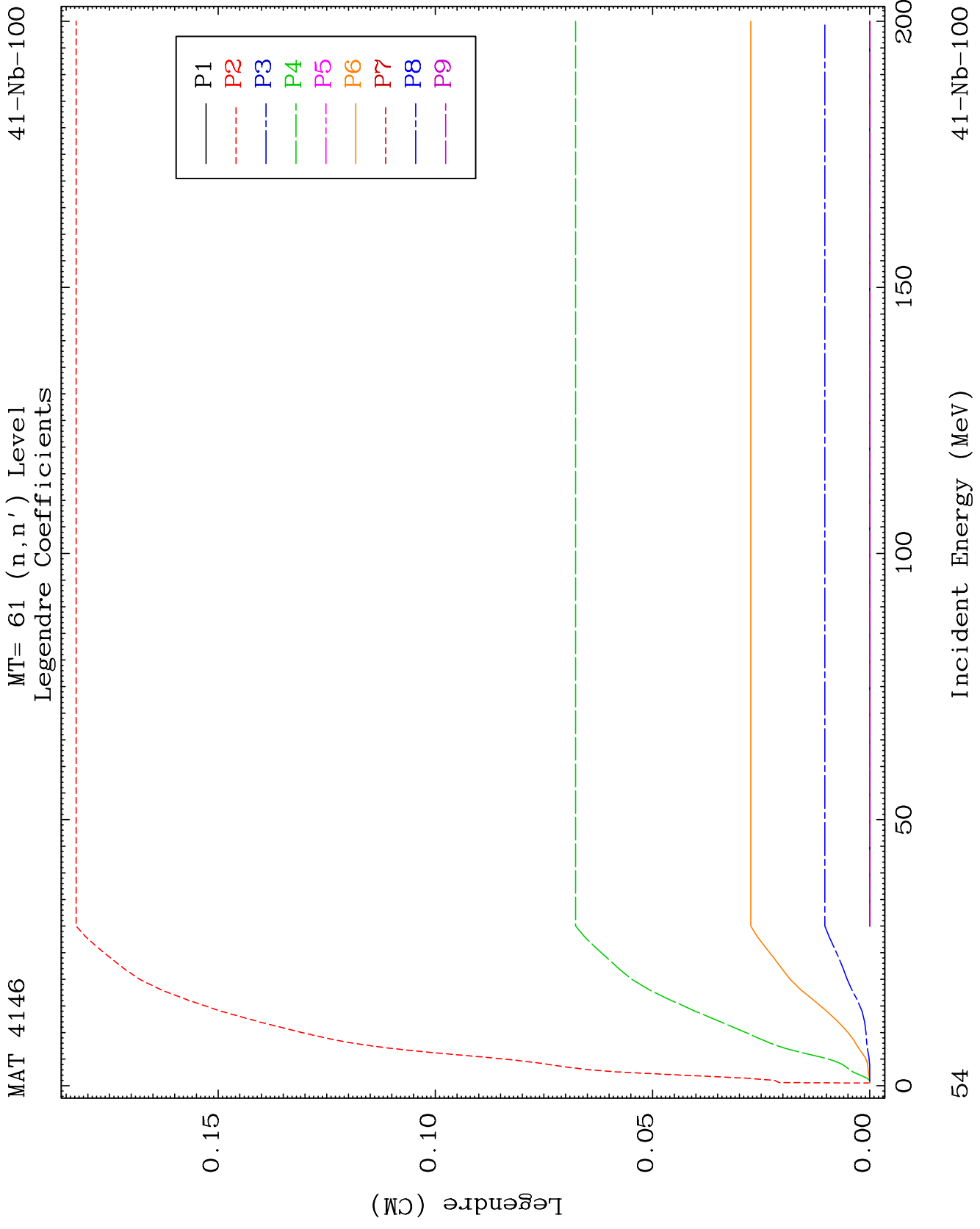






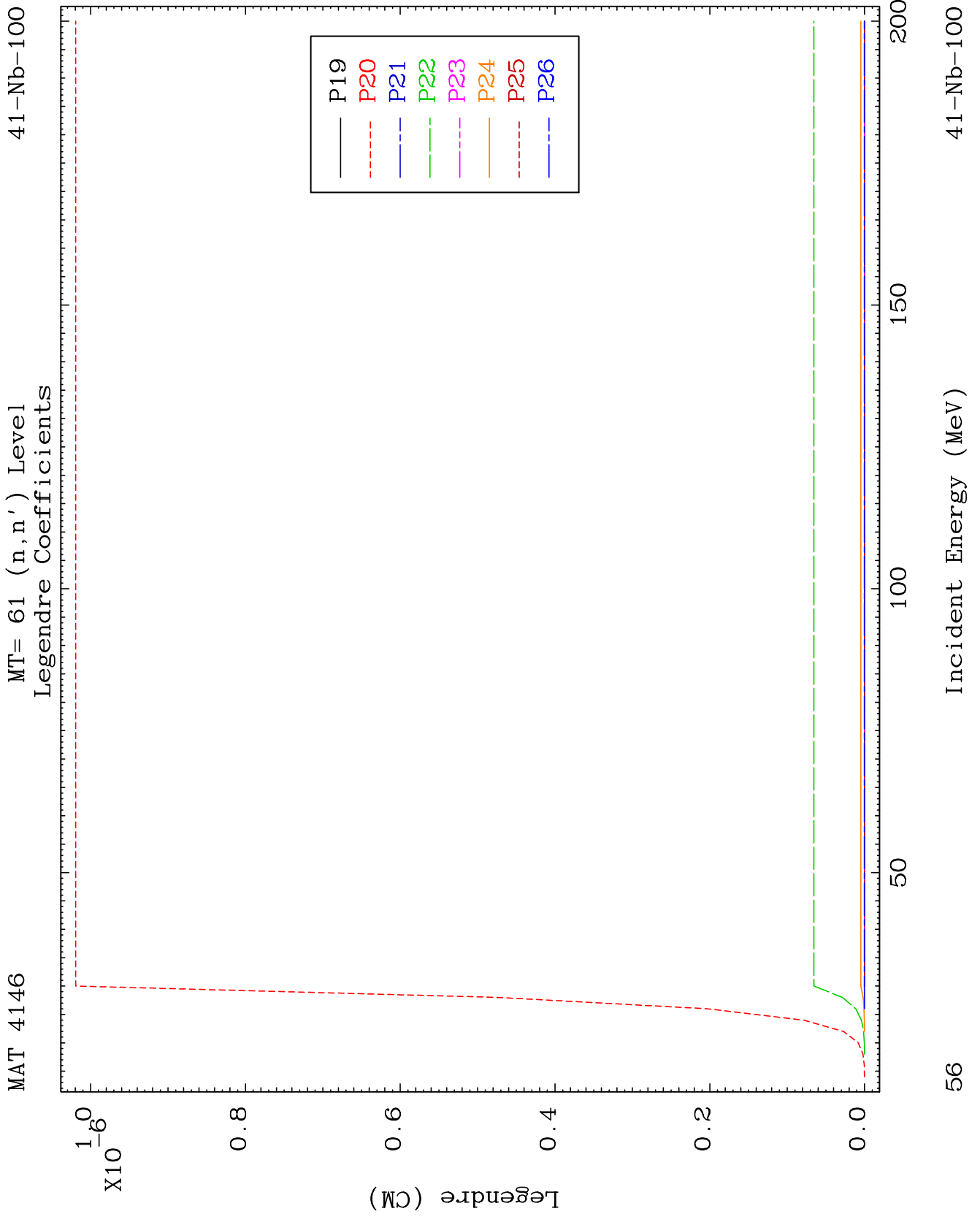








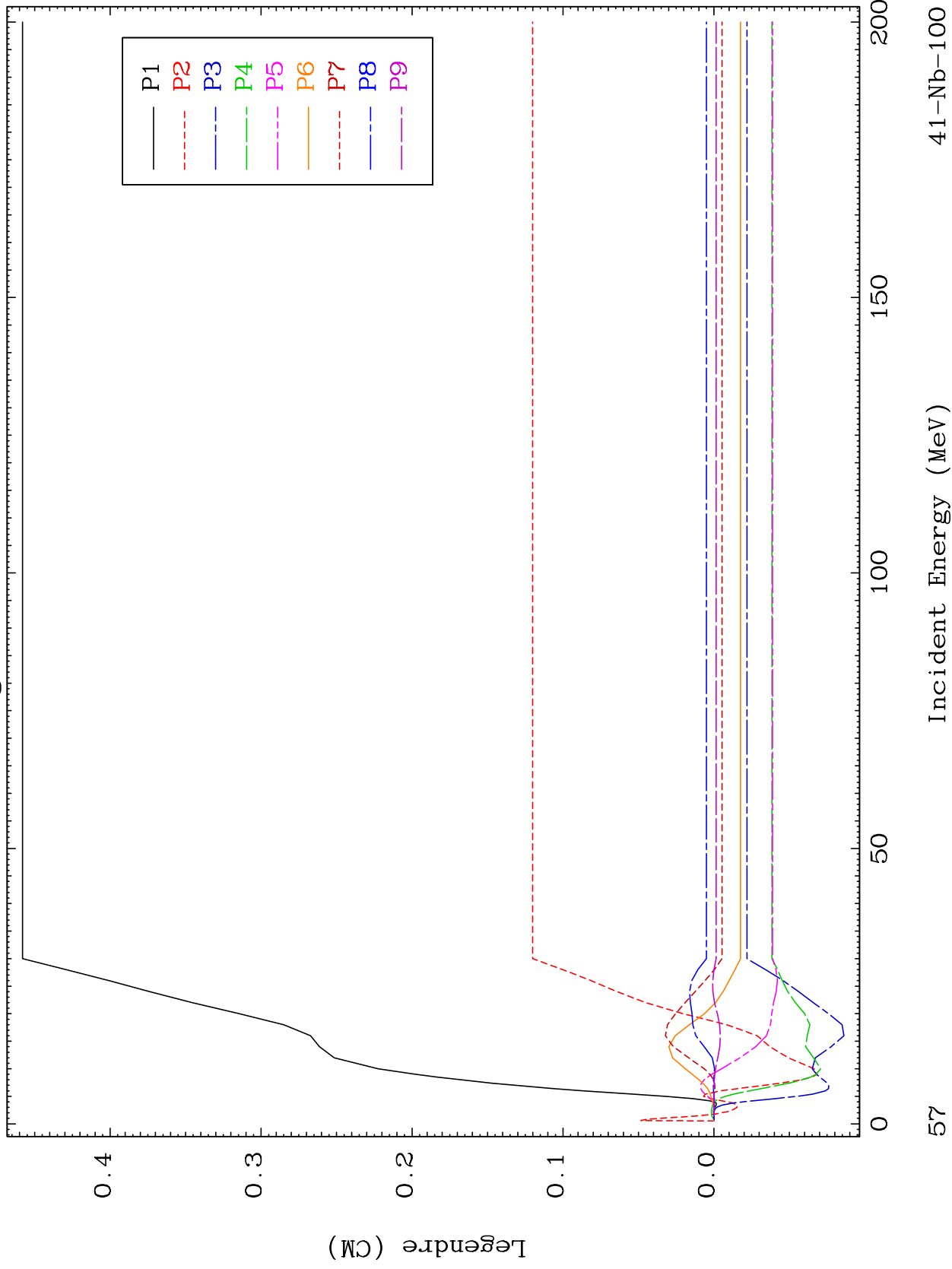




MAT 4146

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

41-Nb-100

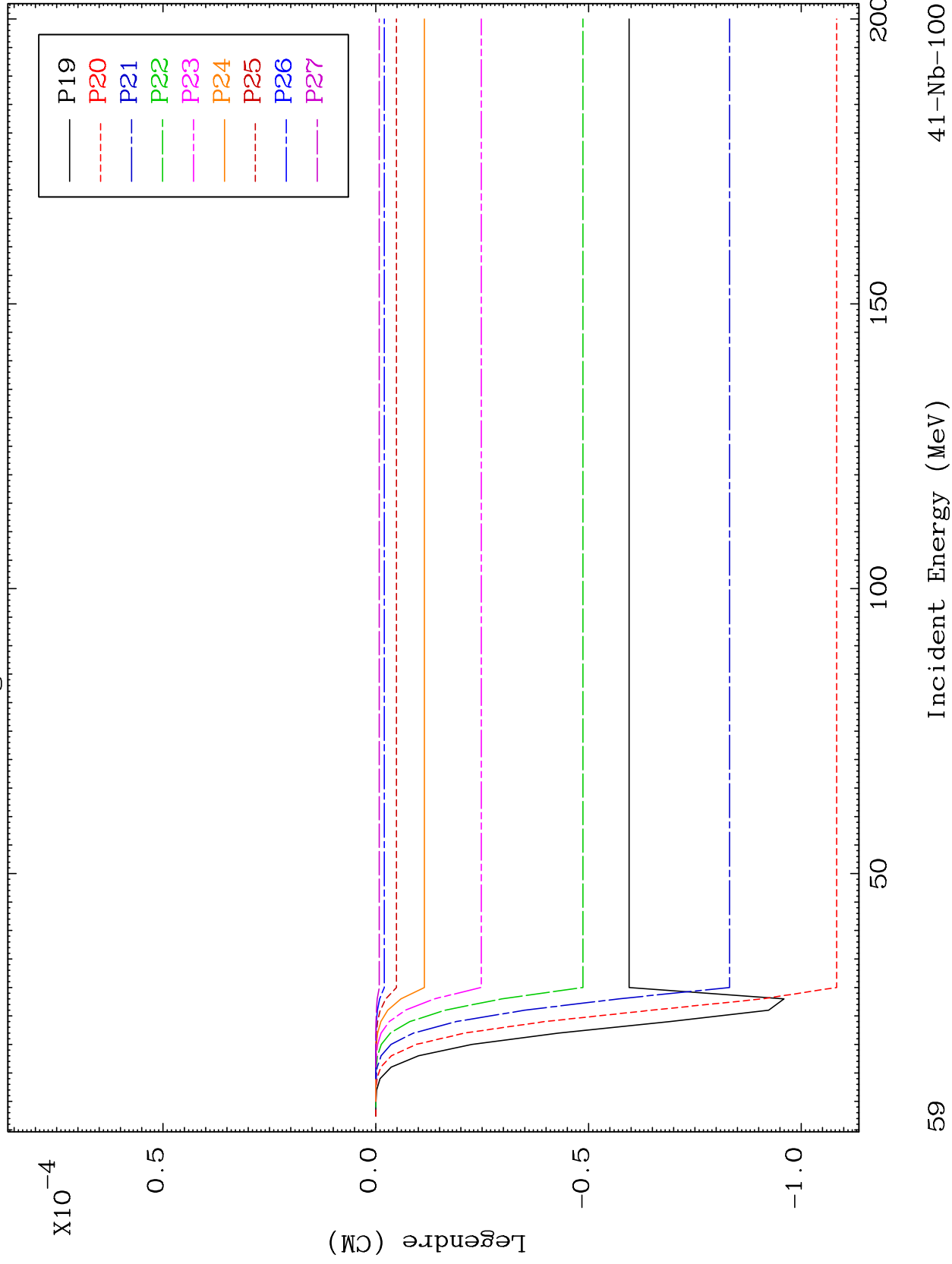




MAT 4146

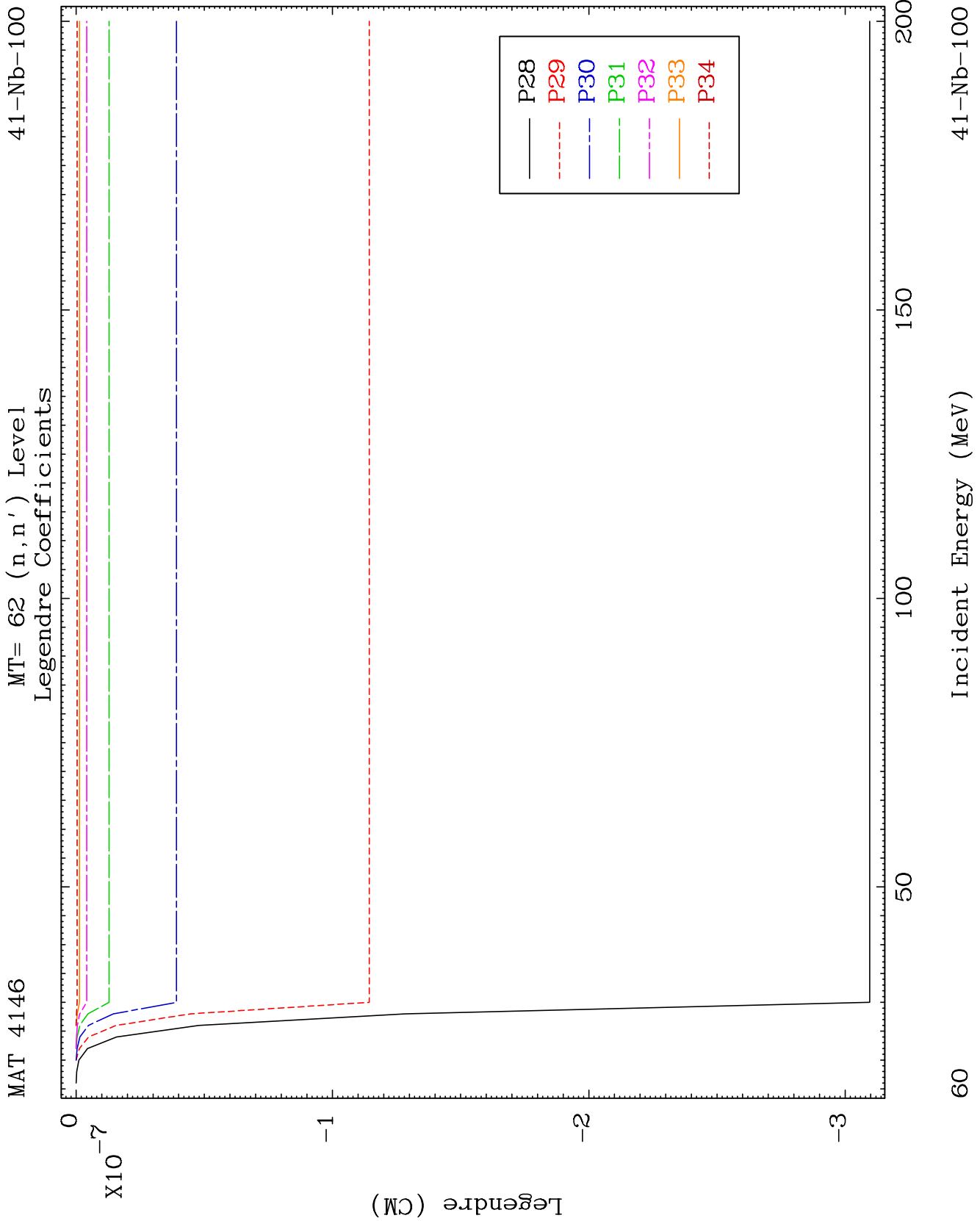
MT= 62 (n,n') Level  
Legendre Coefficients

41-Nb-100



59

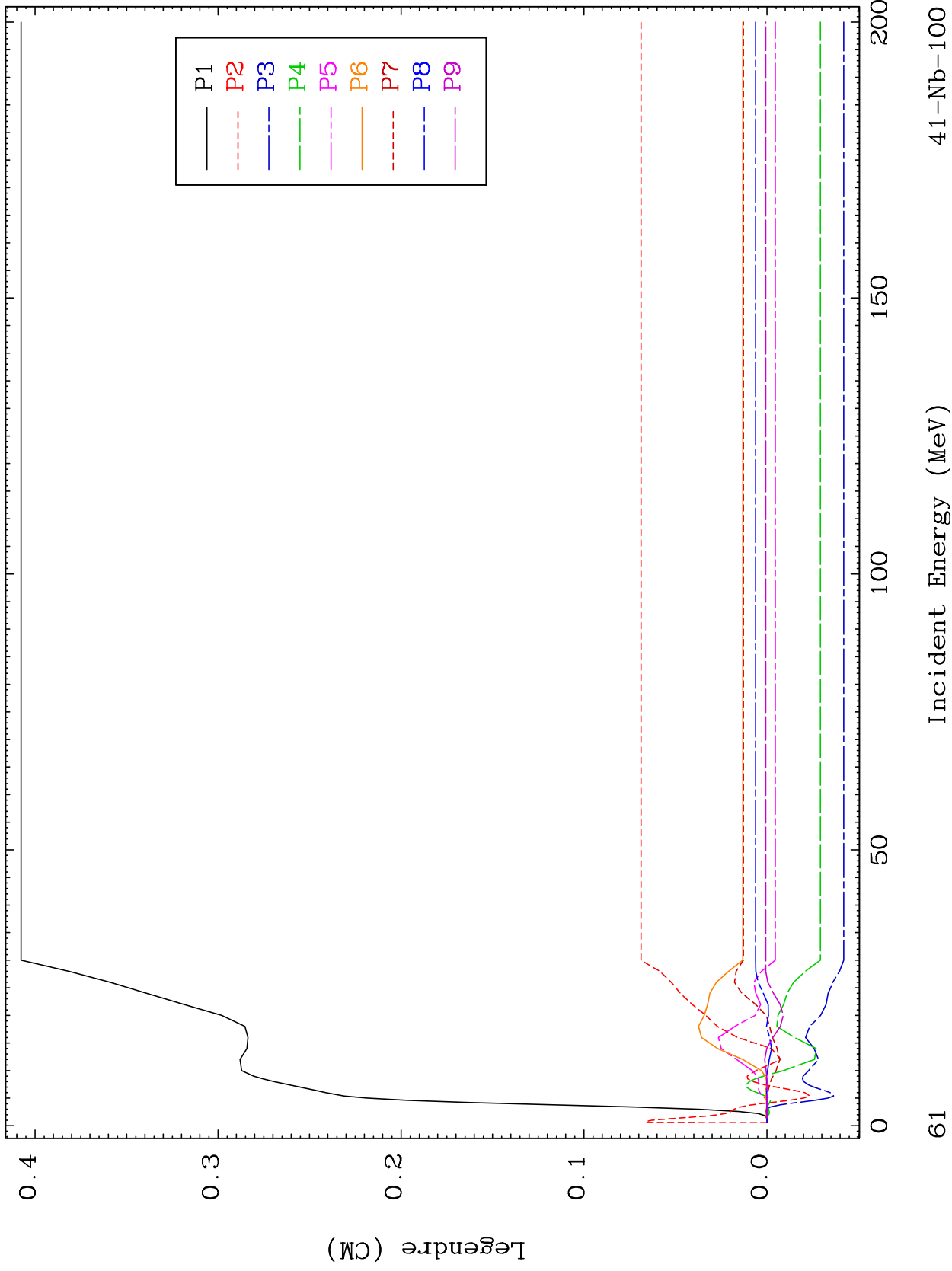
41-Nb-100



MAT 4146

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

41-Nb-100



61

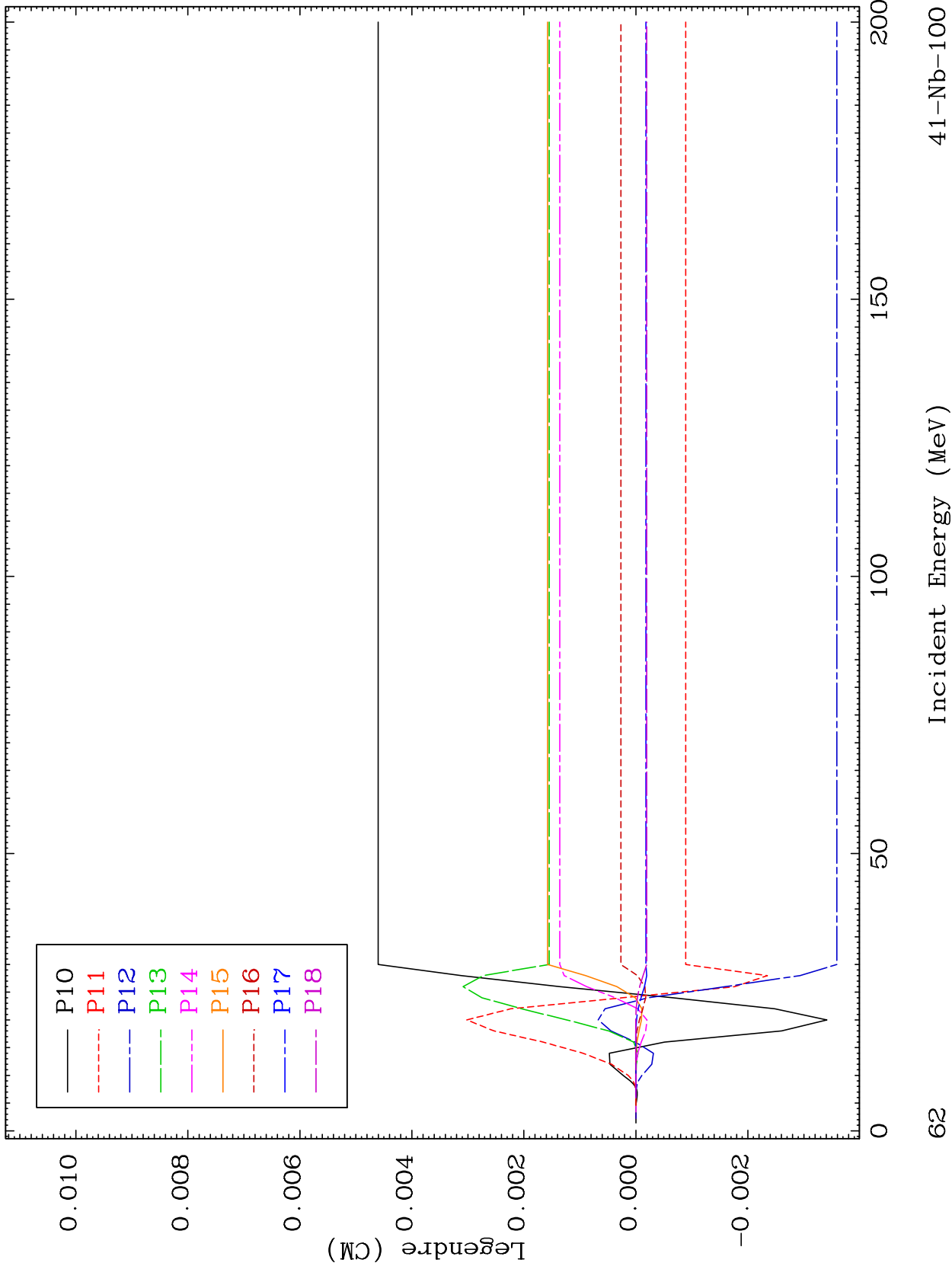
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

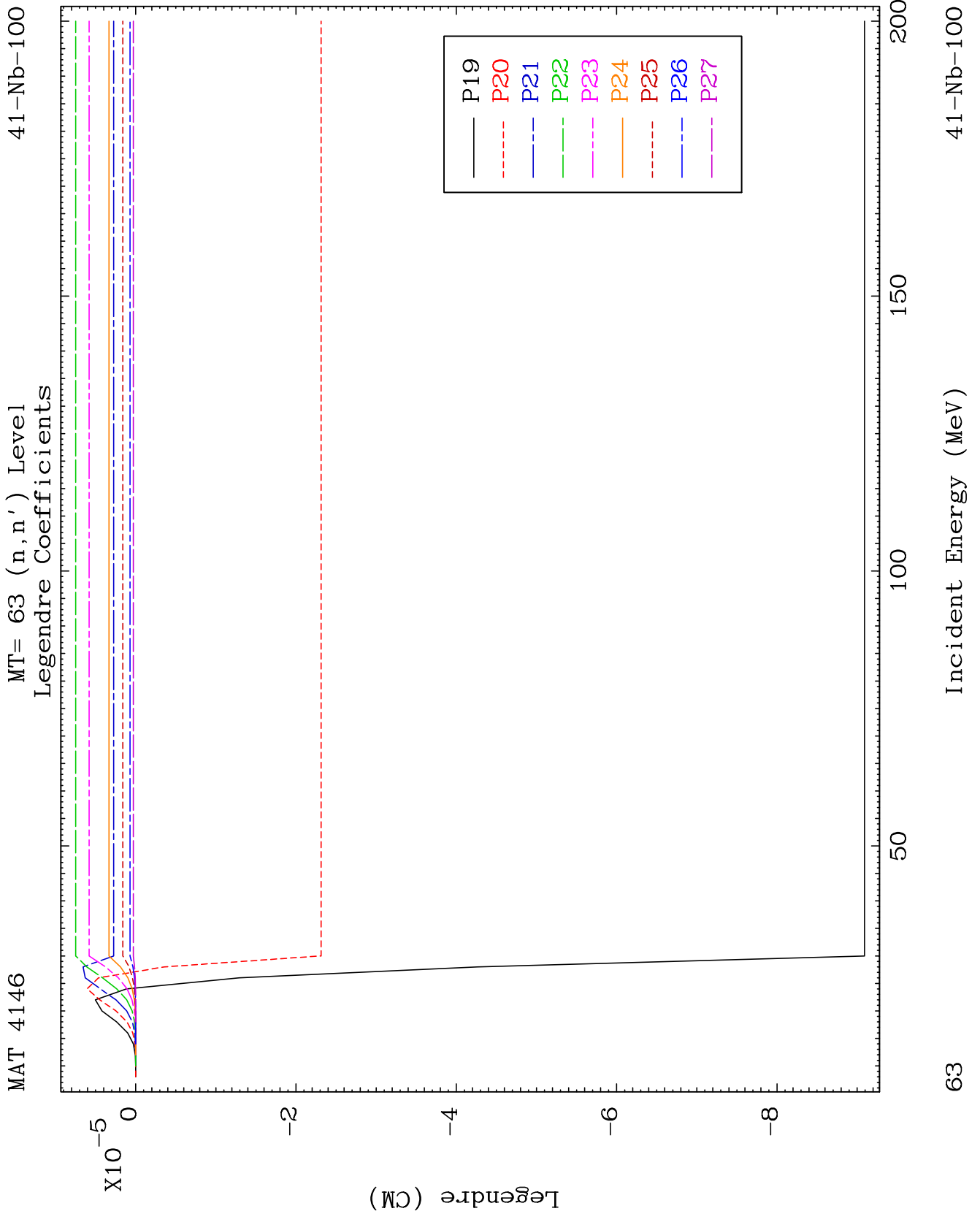
41-Nb-100



62

Incident Energy (MeV)

41-Nb-100

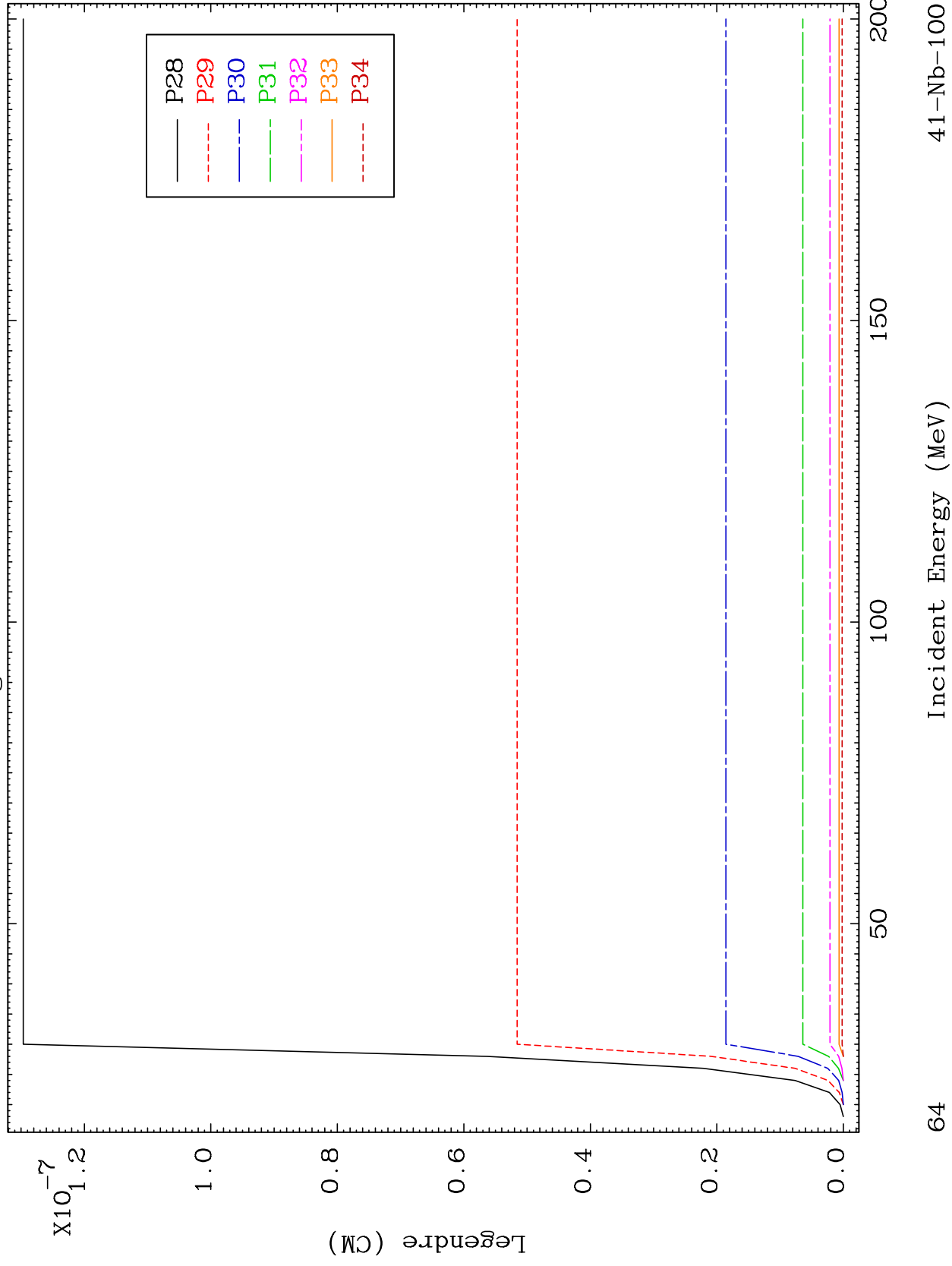




MAT 4146

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

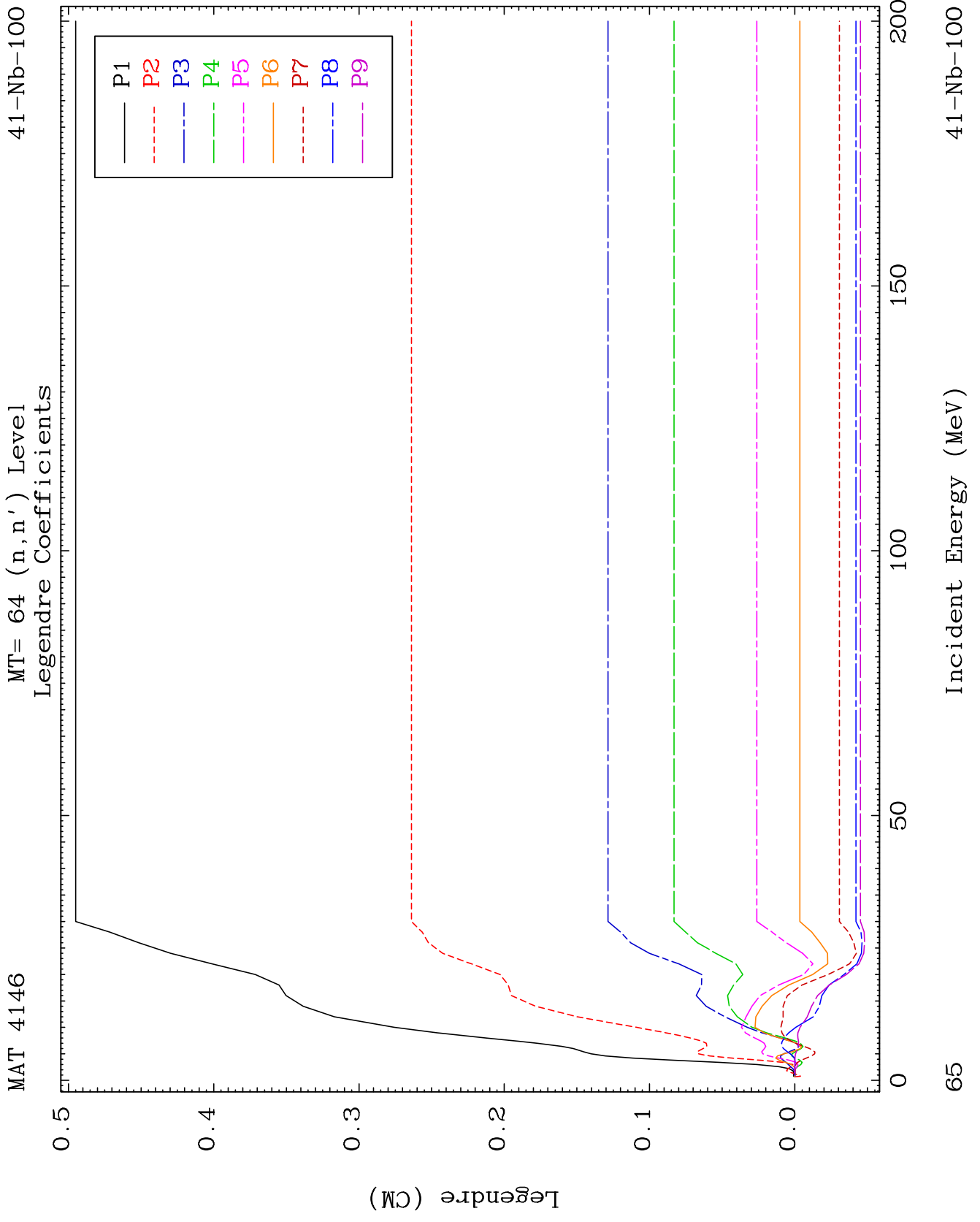
41-Nb-100



64

Incident Energy (MeV)

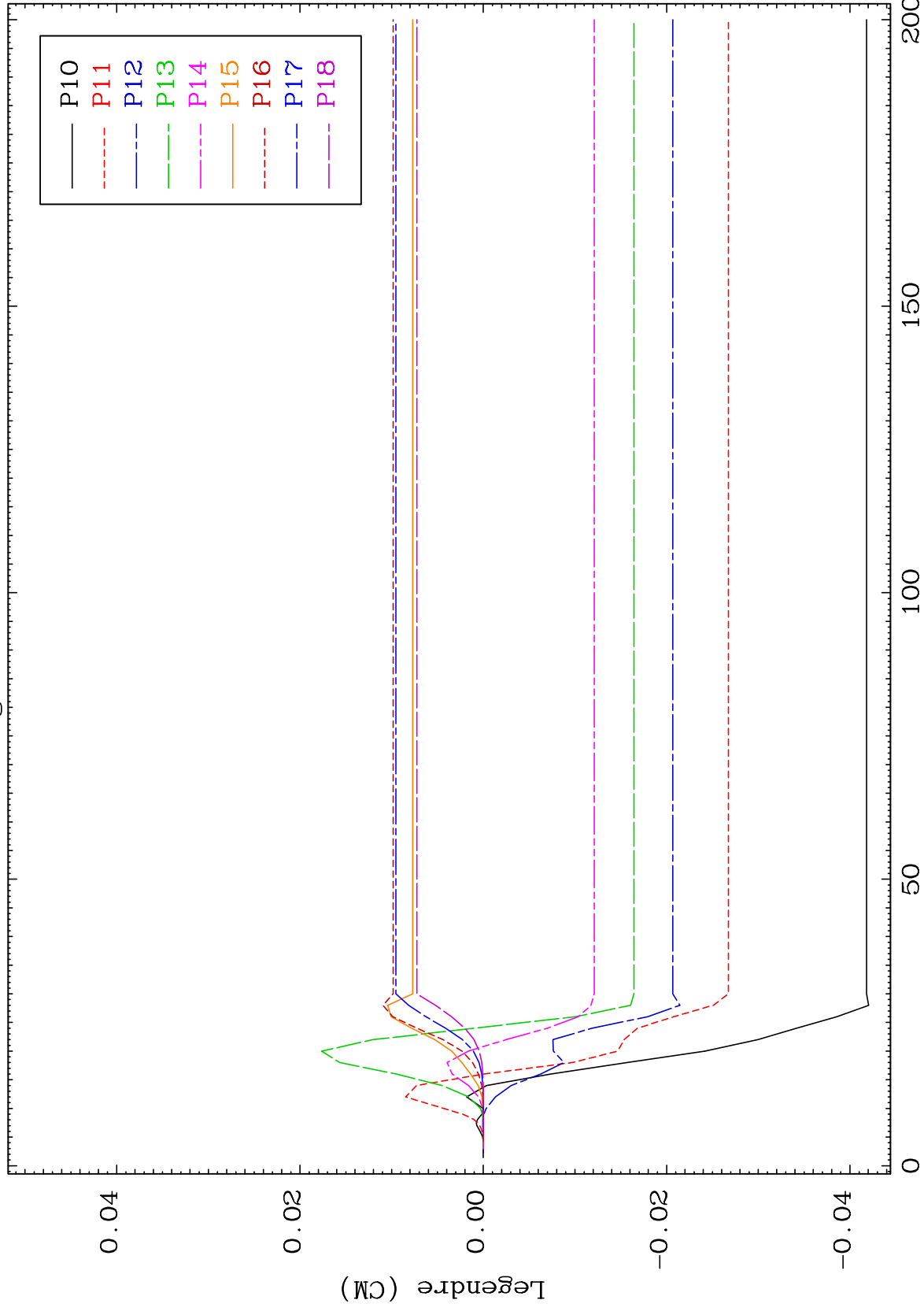
41-Nb-100



MAT 4146

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

41-Nb-100



66

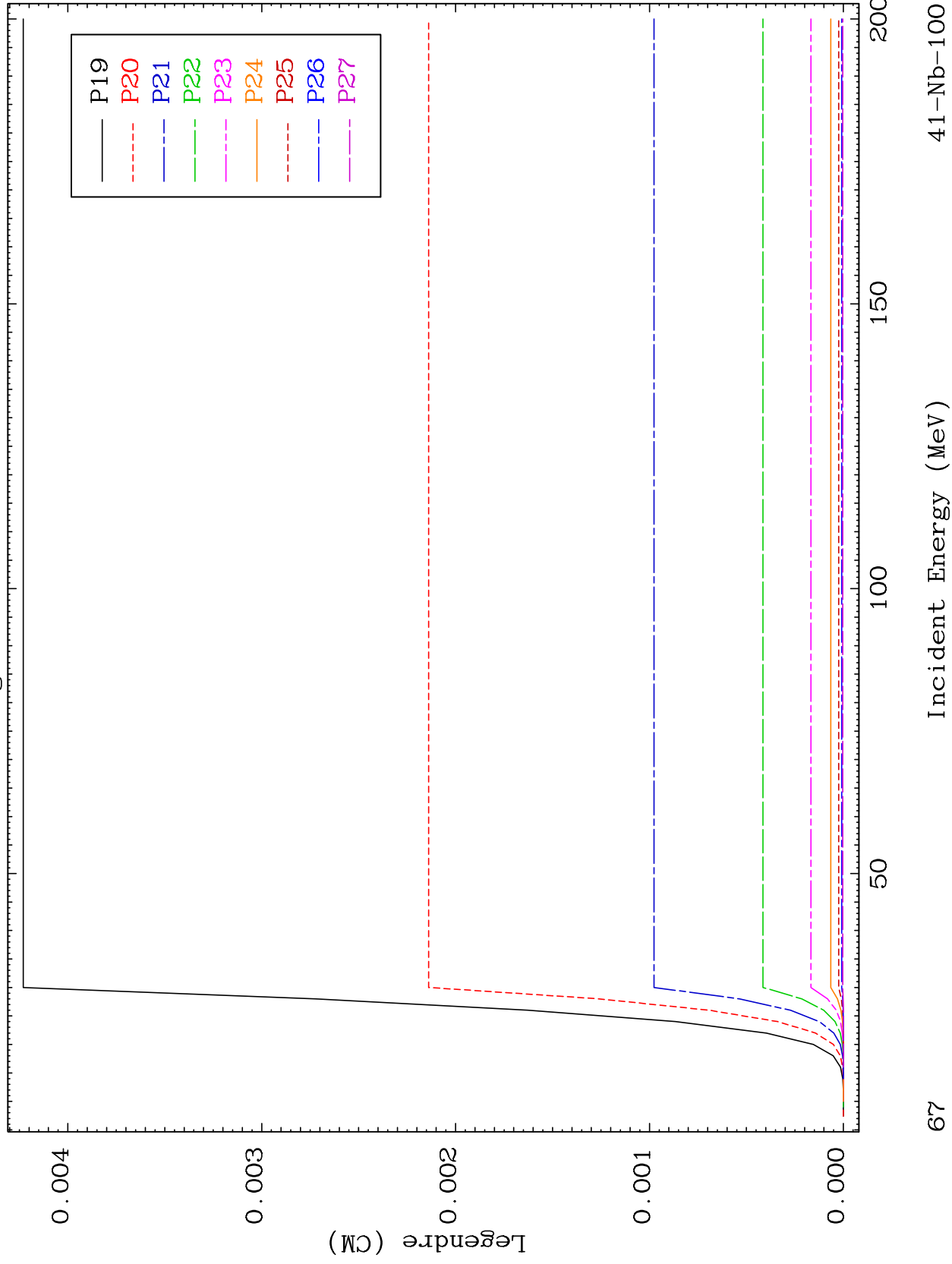
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



67

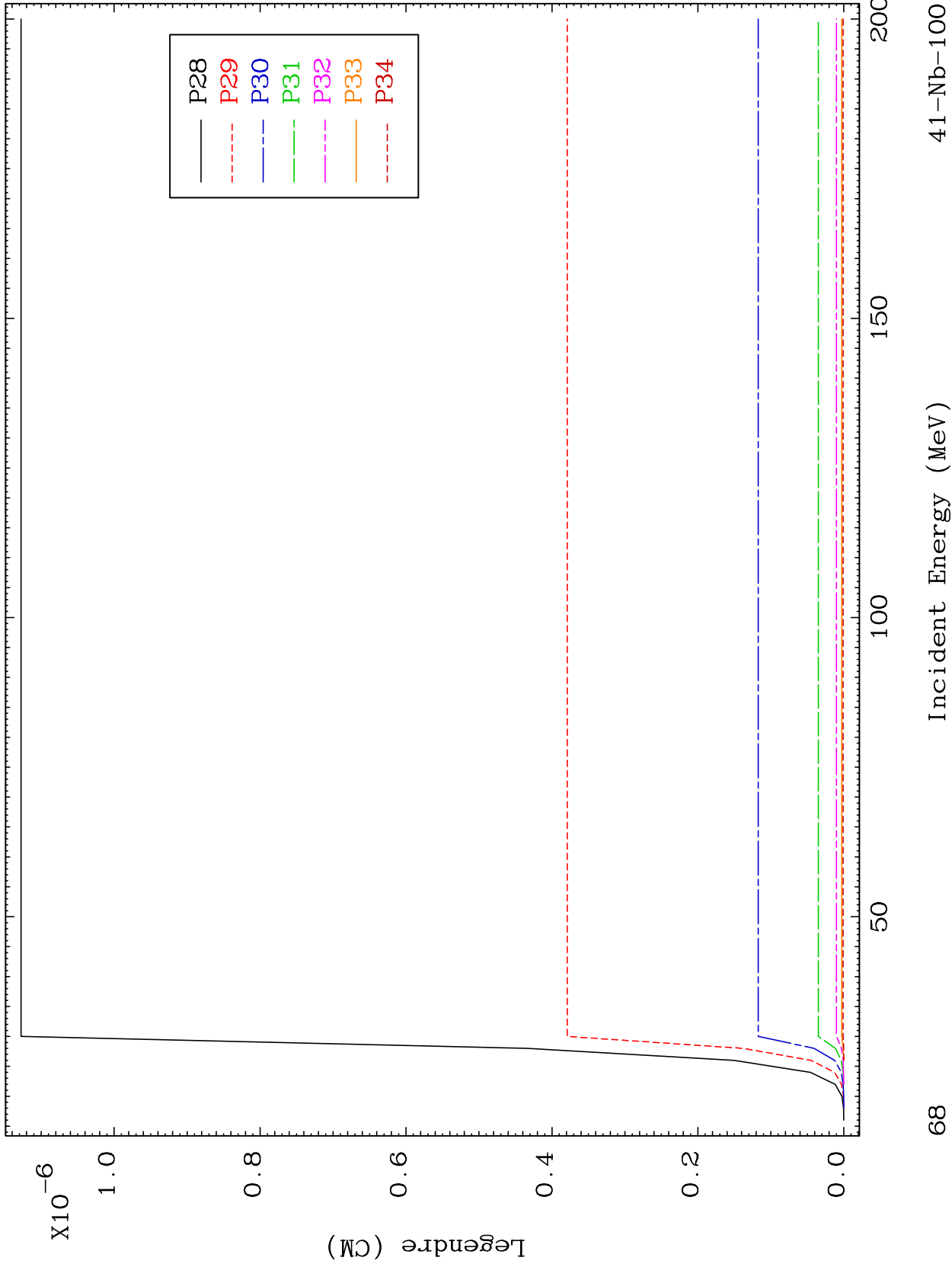
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

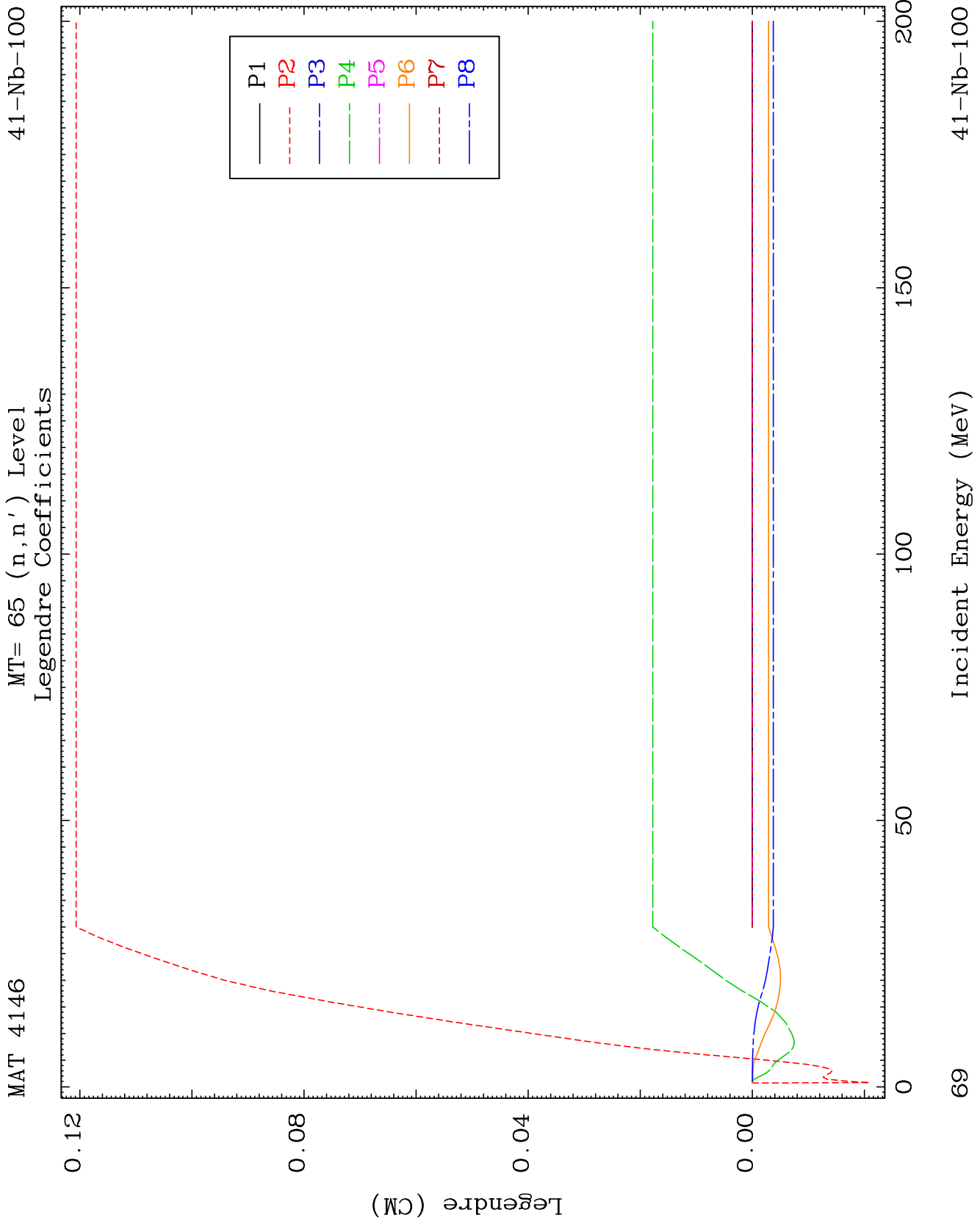
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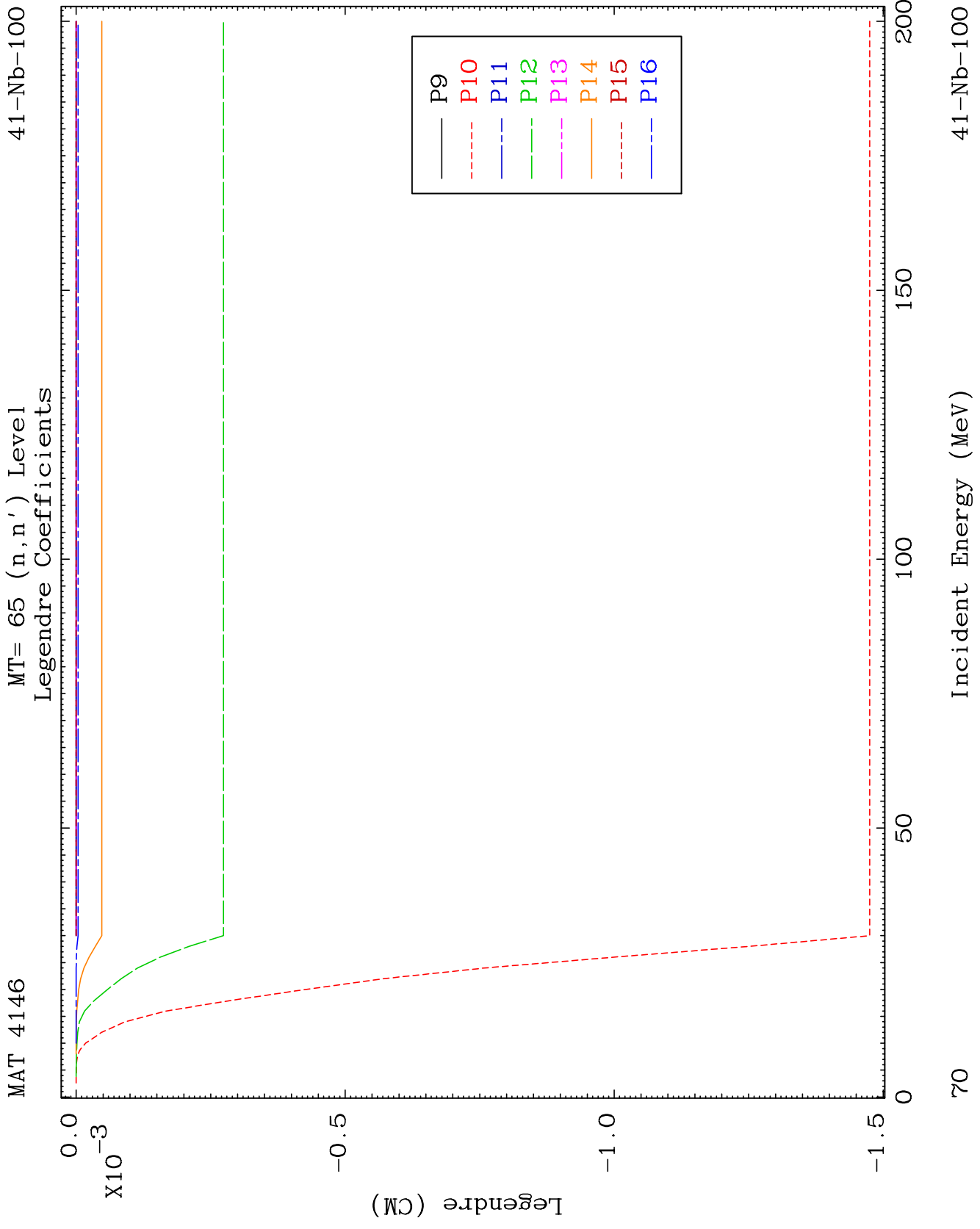


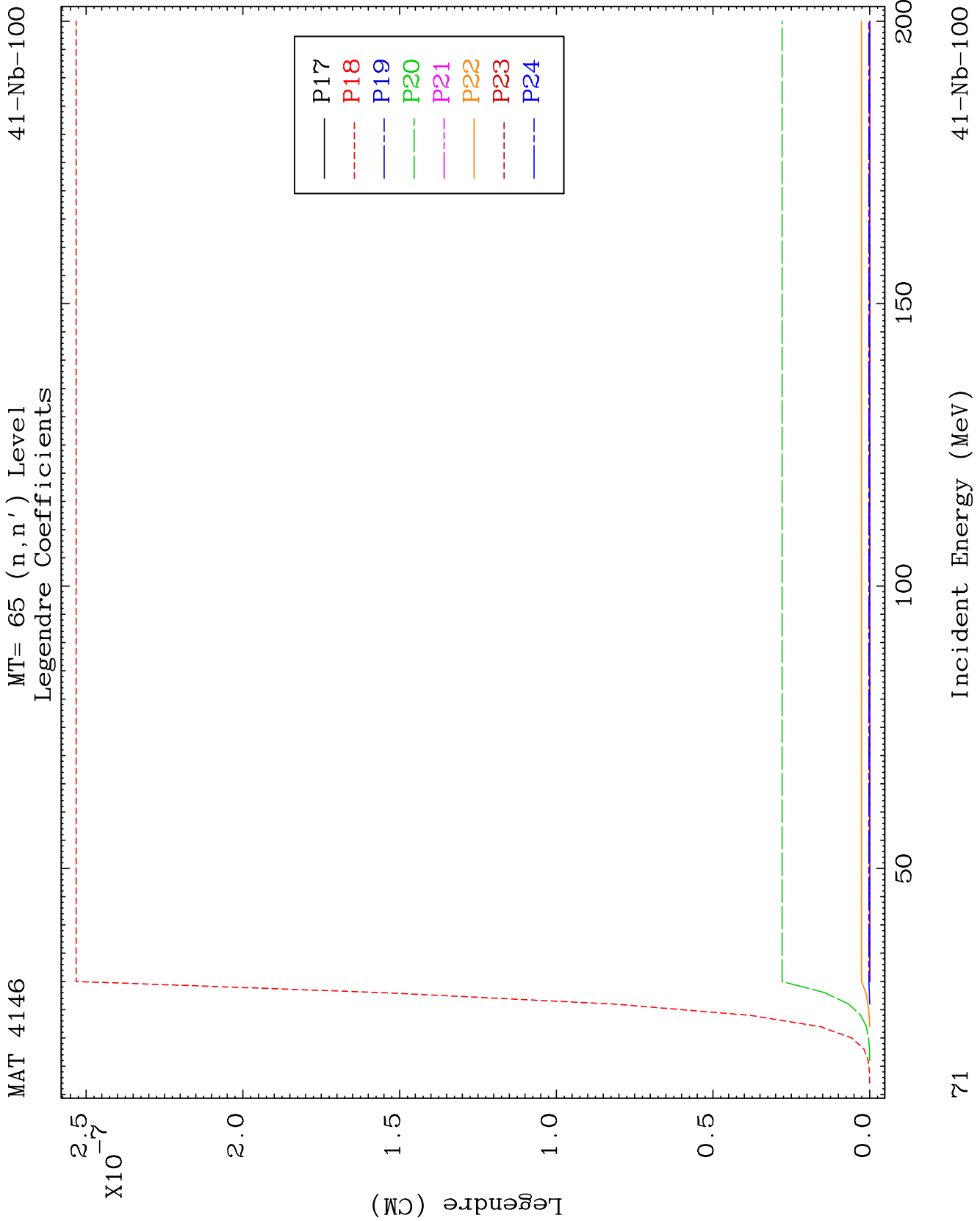
68

Incident Energy (MeV)

41-Nb-100





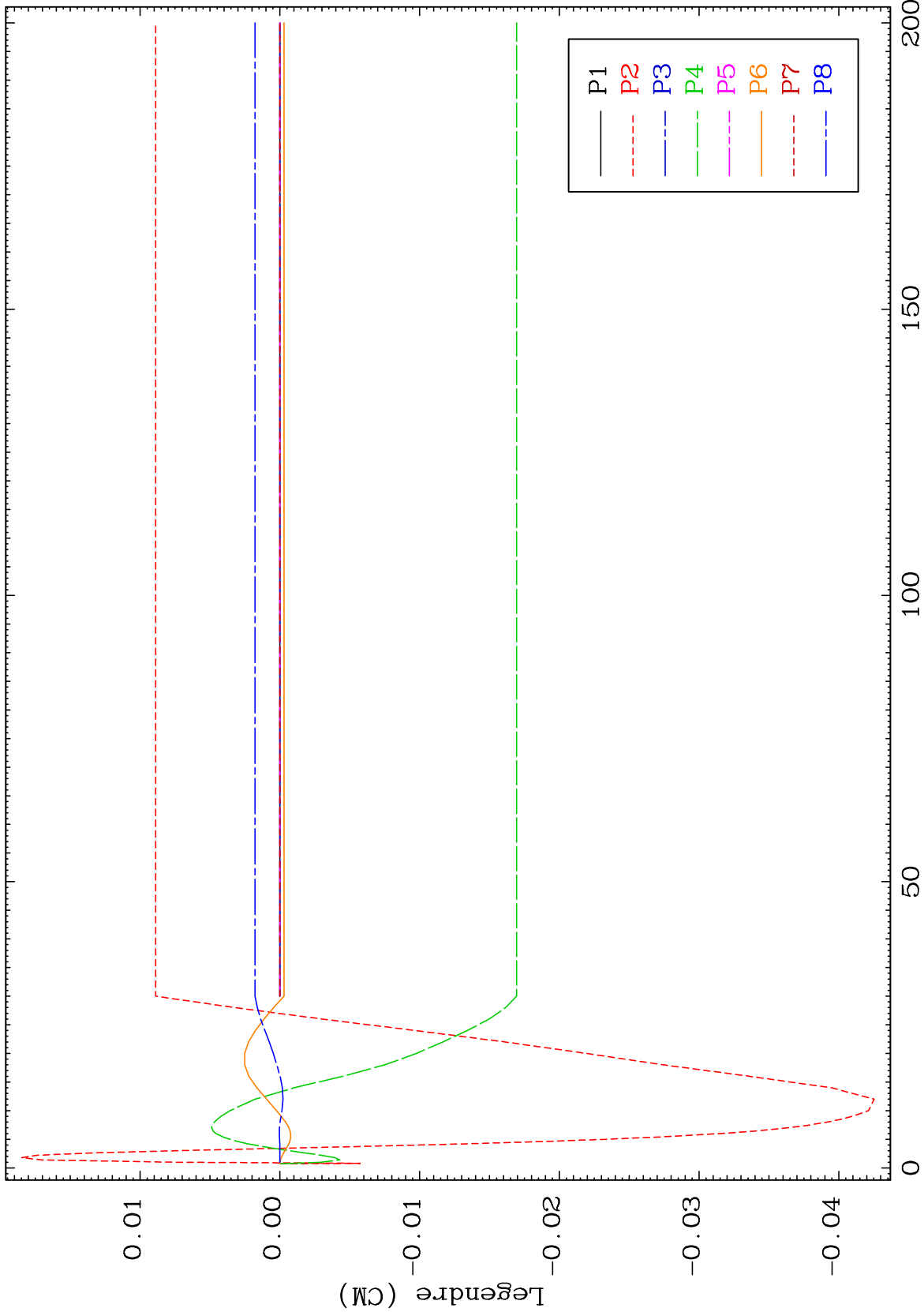




MAT 4146

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

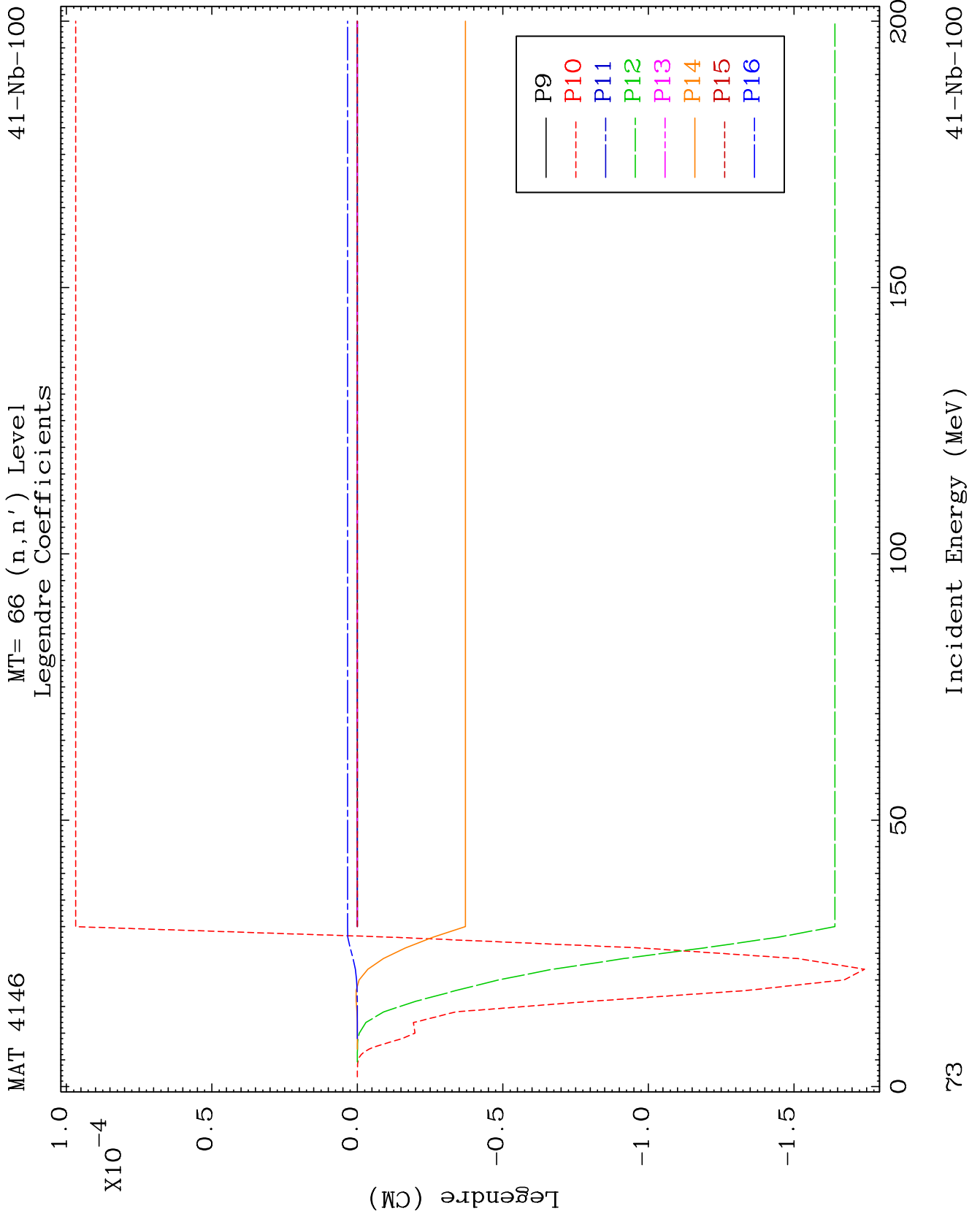
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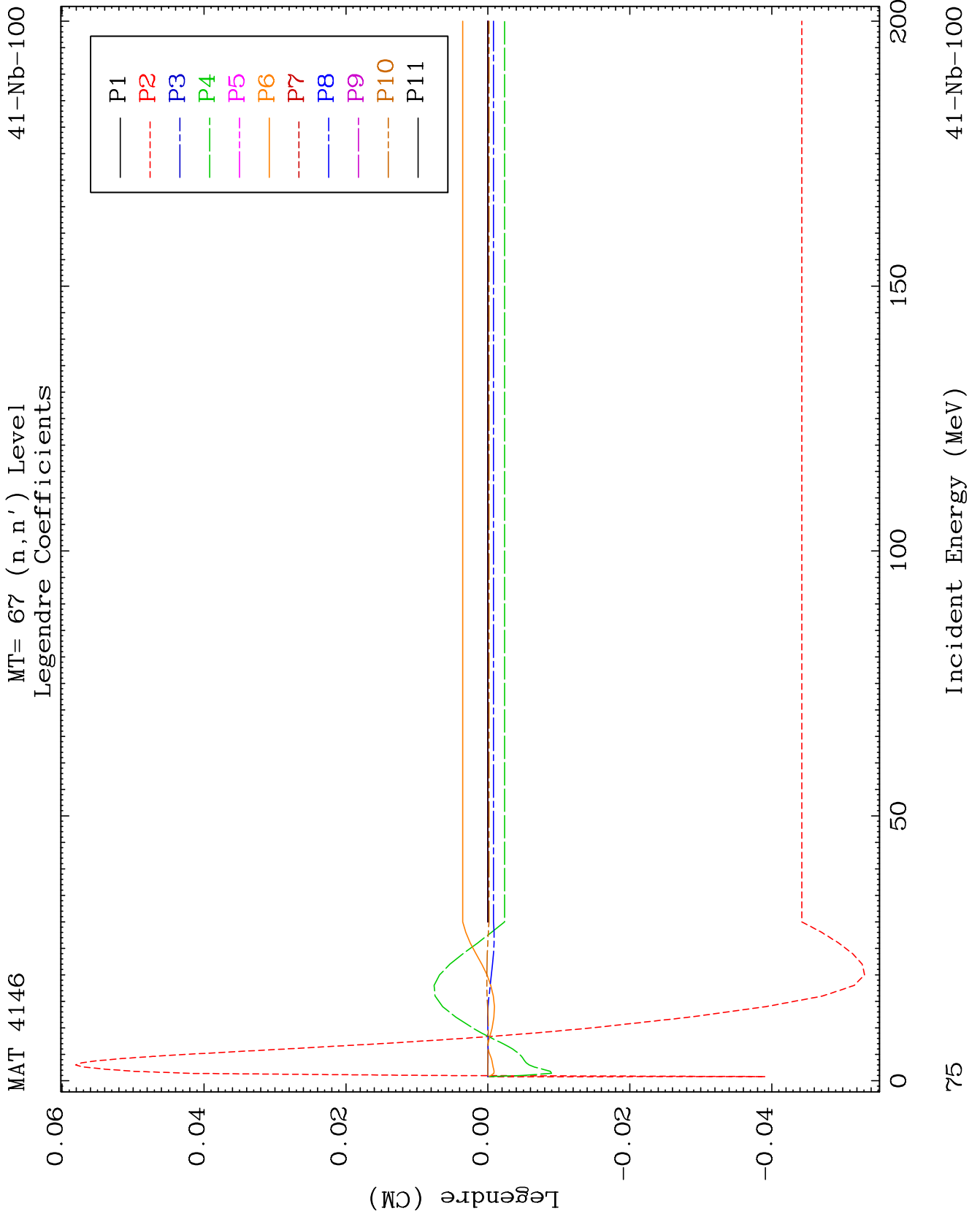
72

Incident Energy (MeV)

41-Nb-100



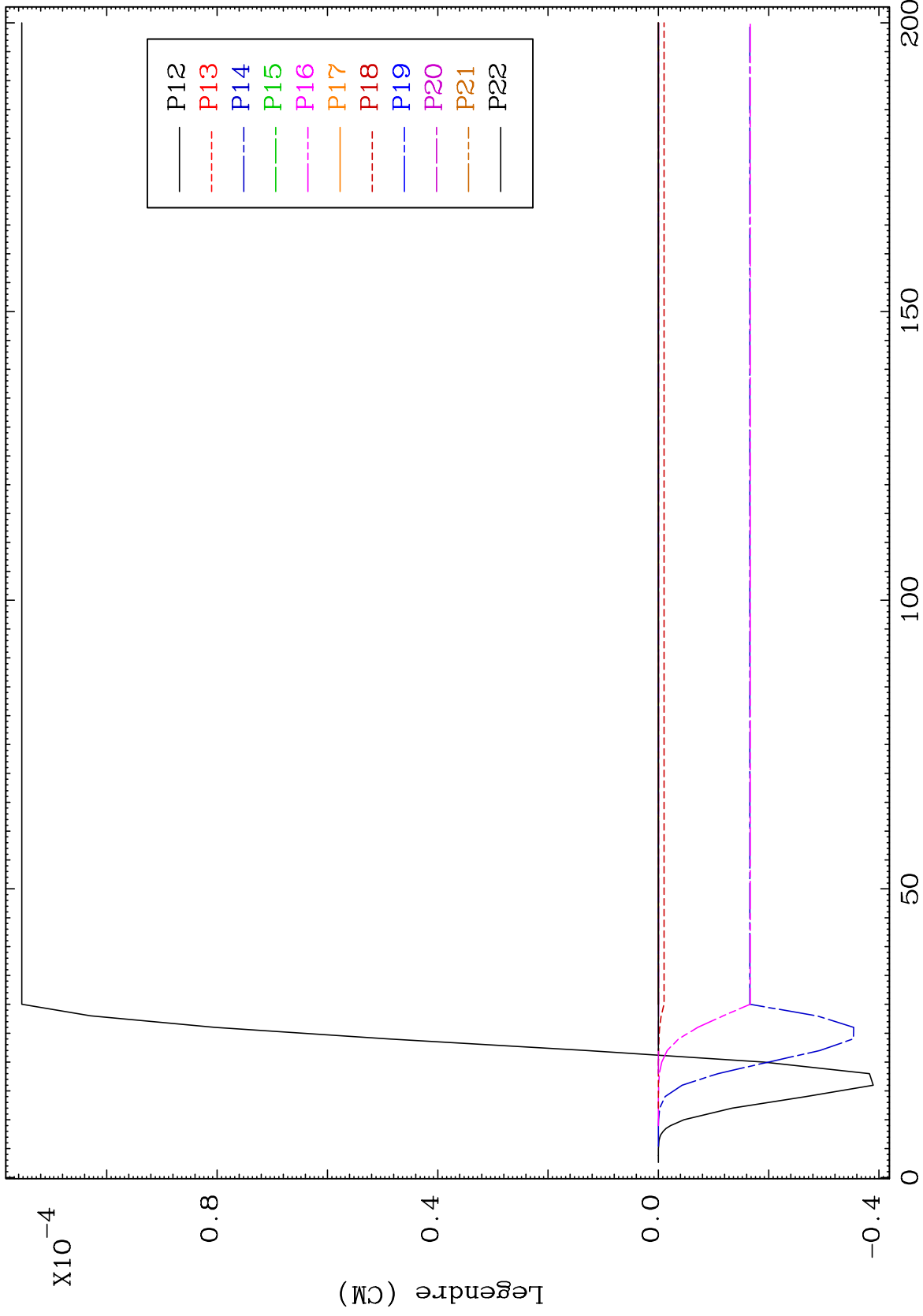




MAT 4146

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

41-Nb-100

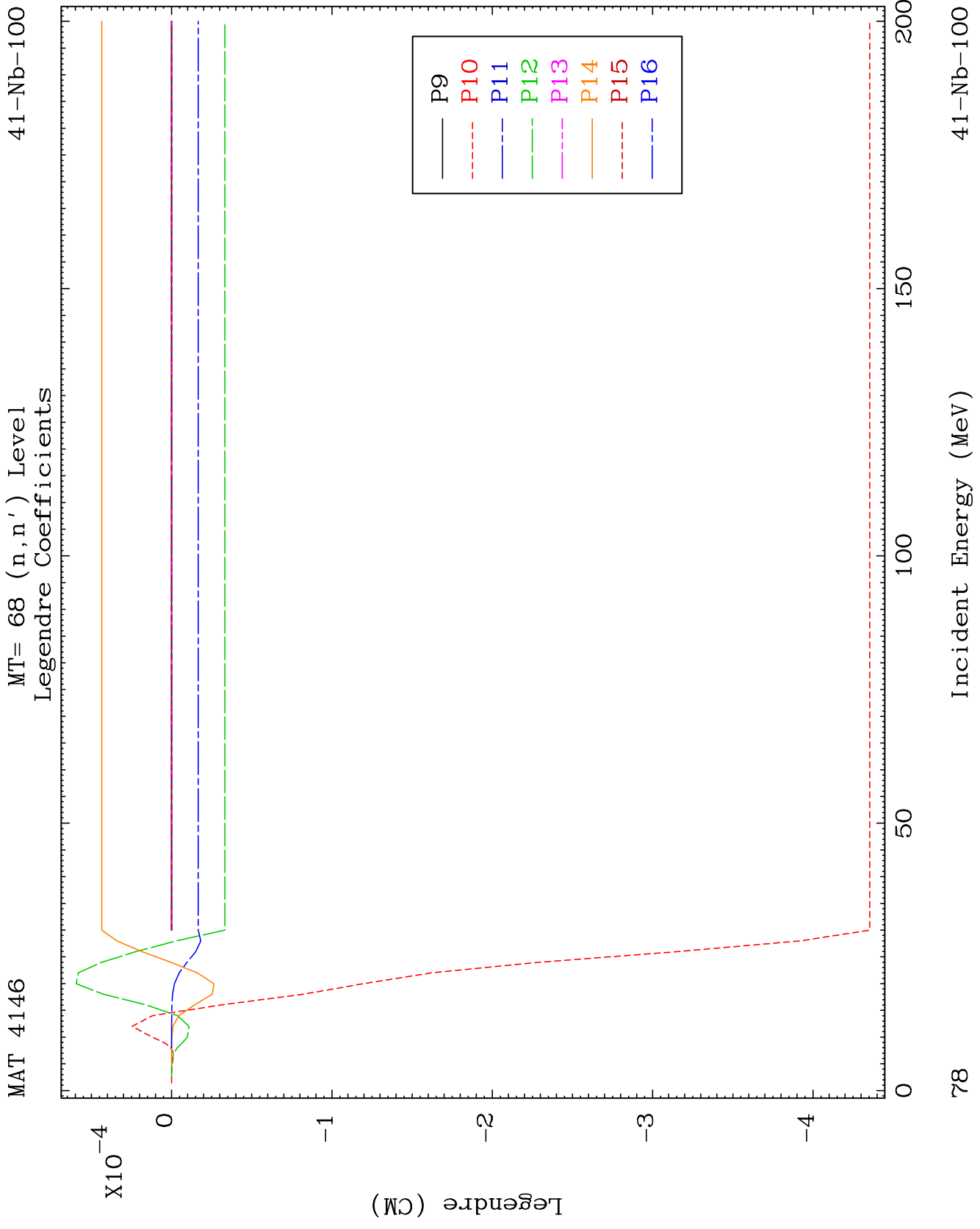


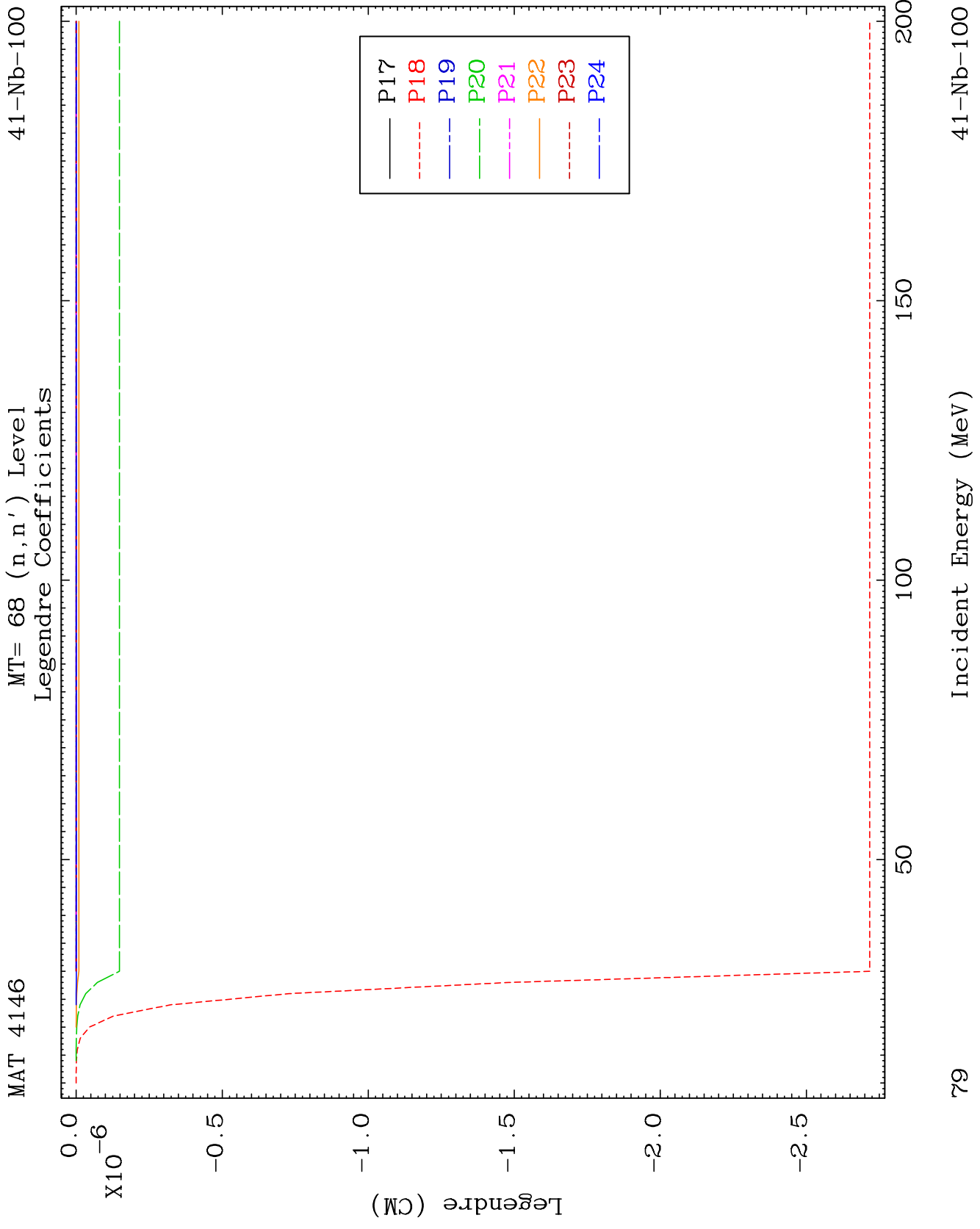
76

Incident Energy (MeV)

41-Nb-100







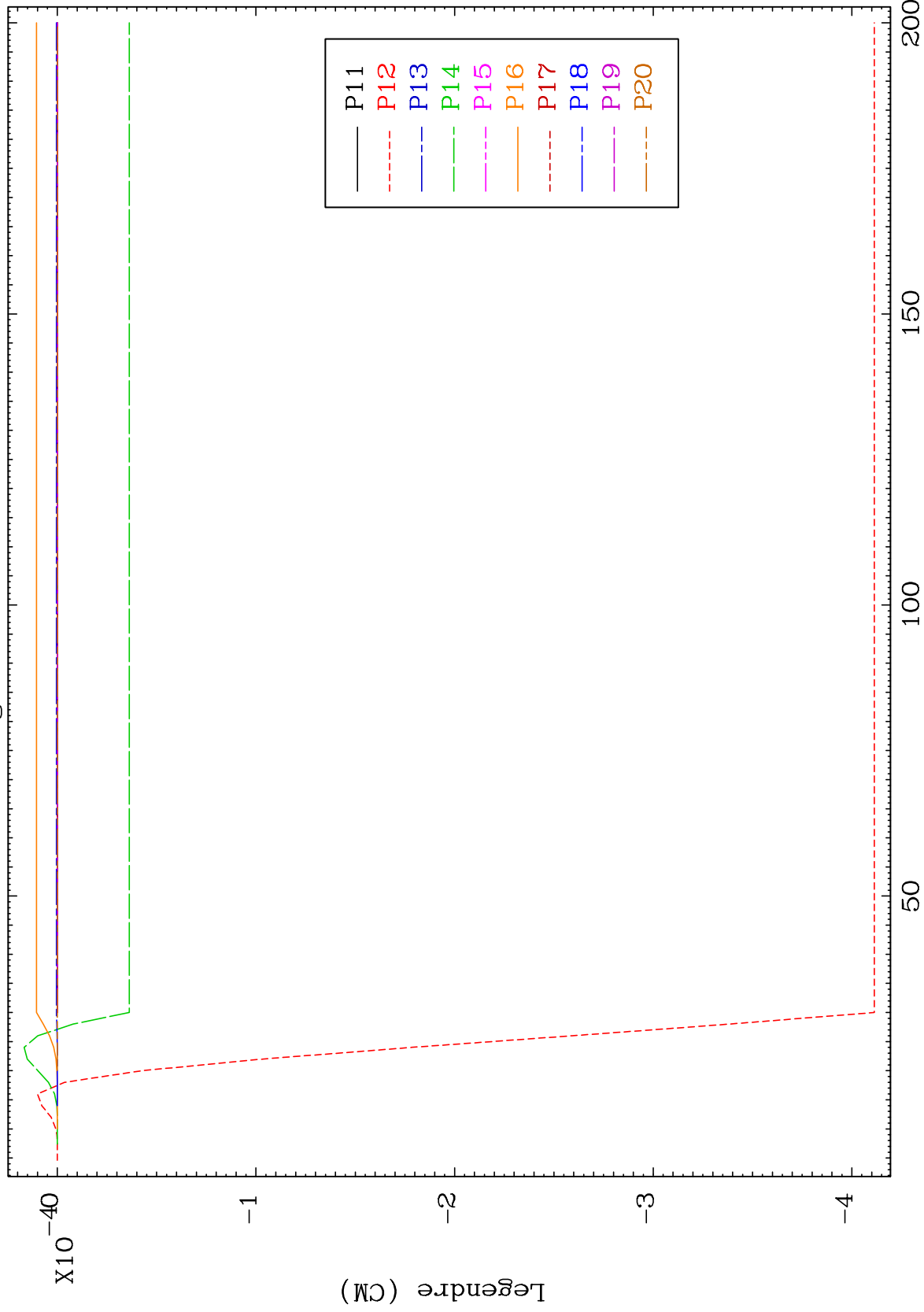




MAT 4146

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

41-Nb-100



81

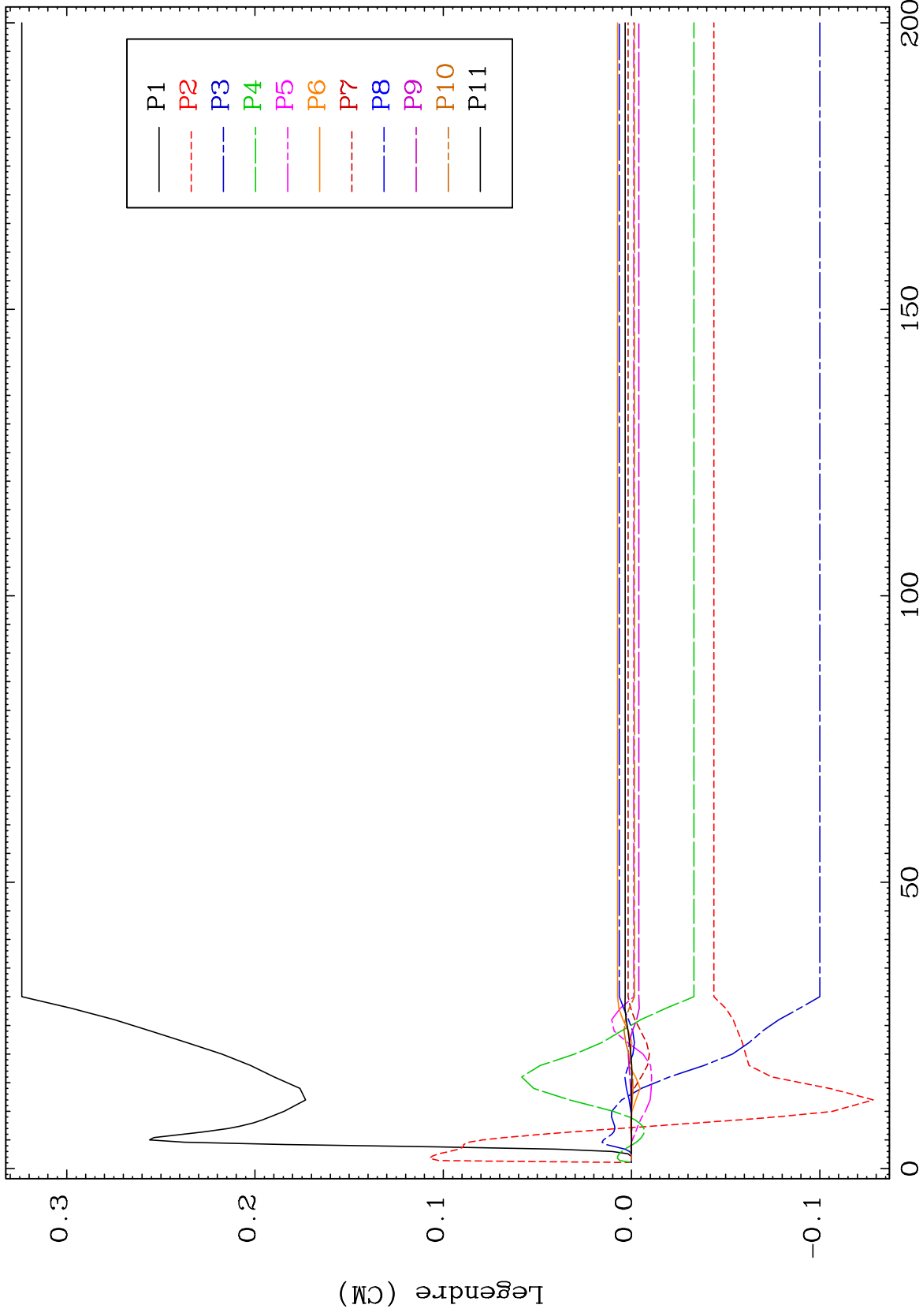
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



82

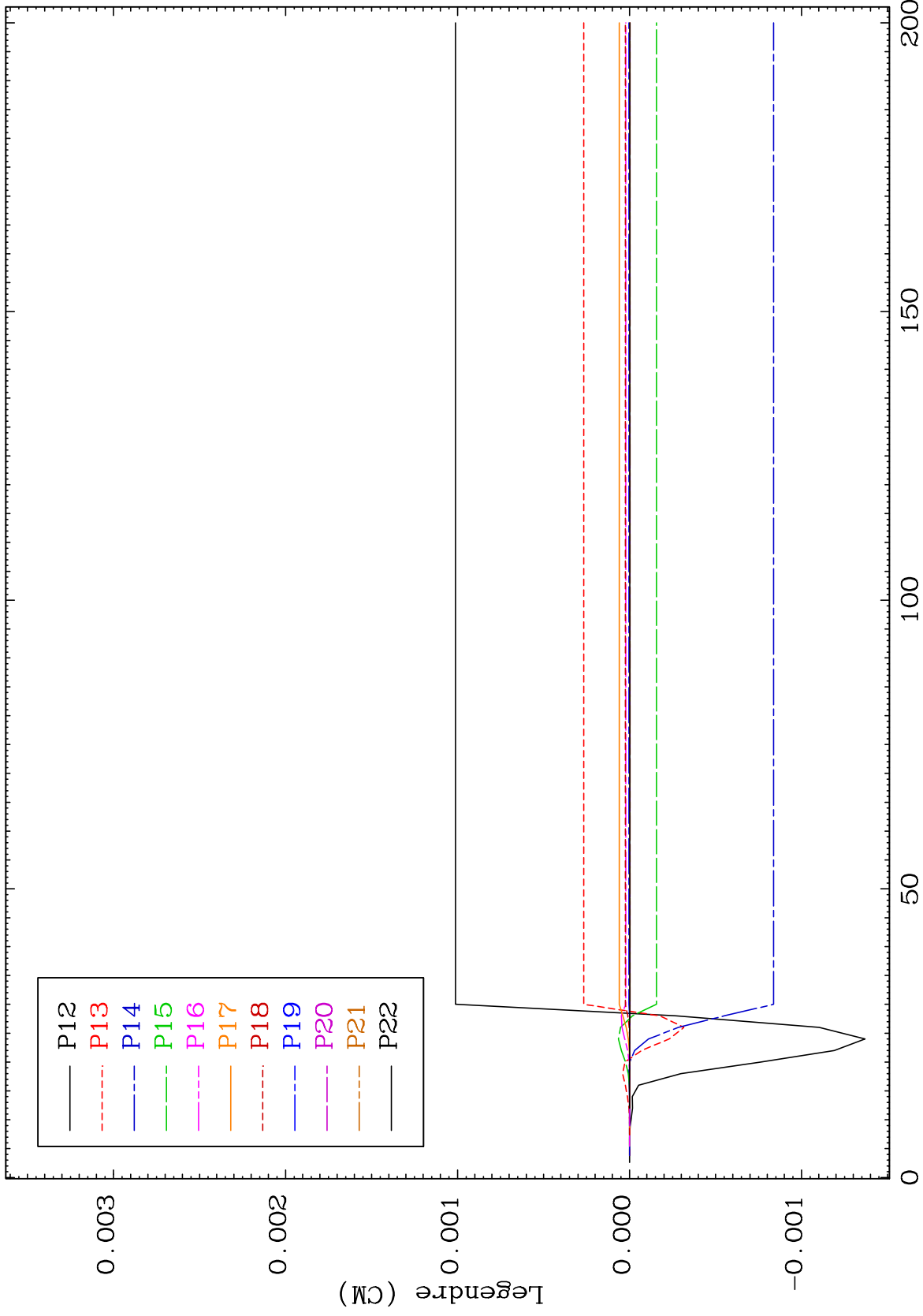
Incident Energy (MeV)

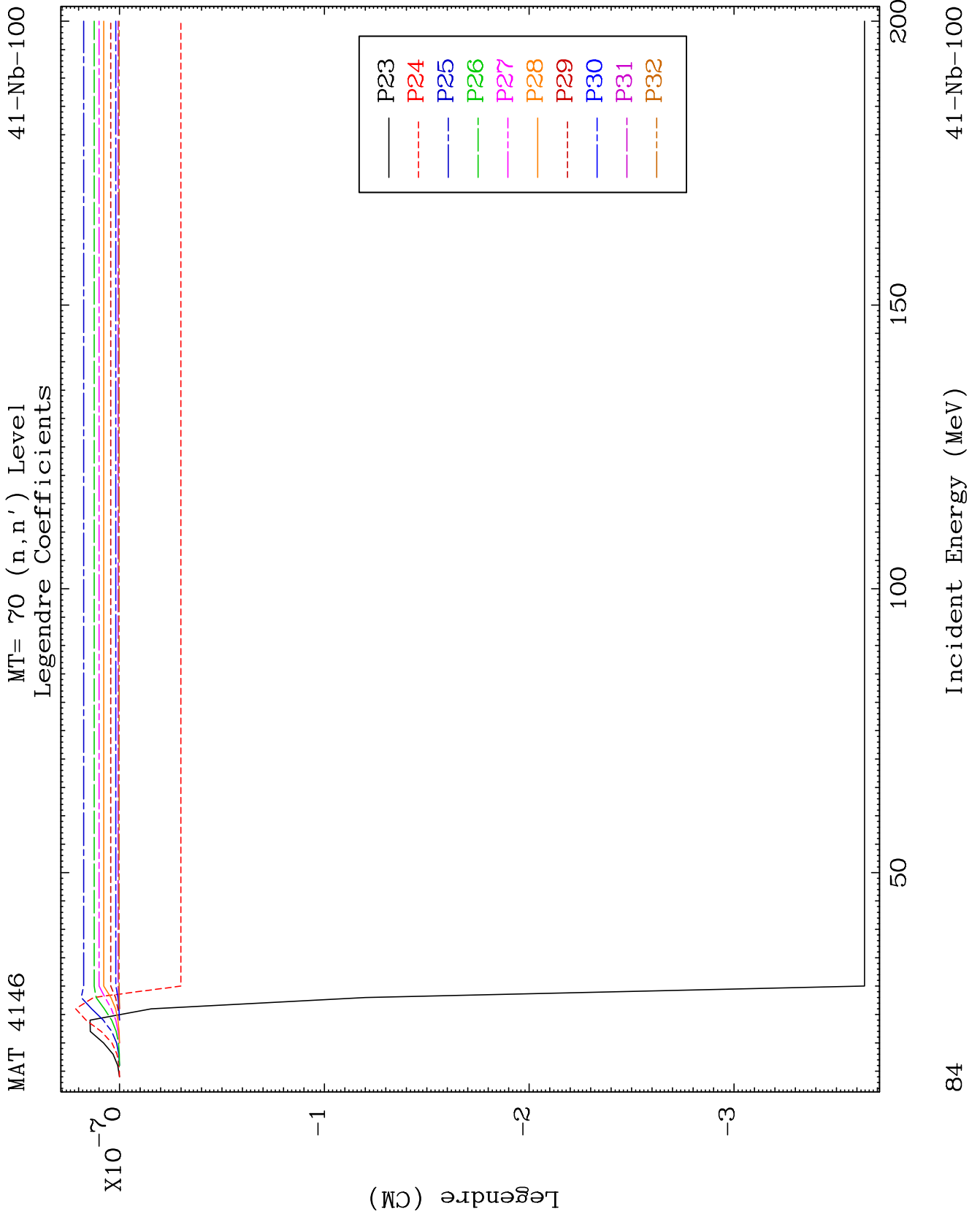
41-Nb-100

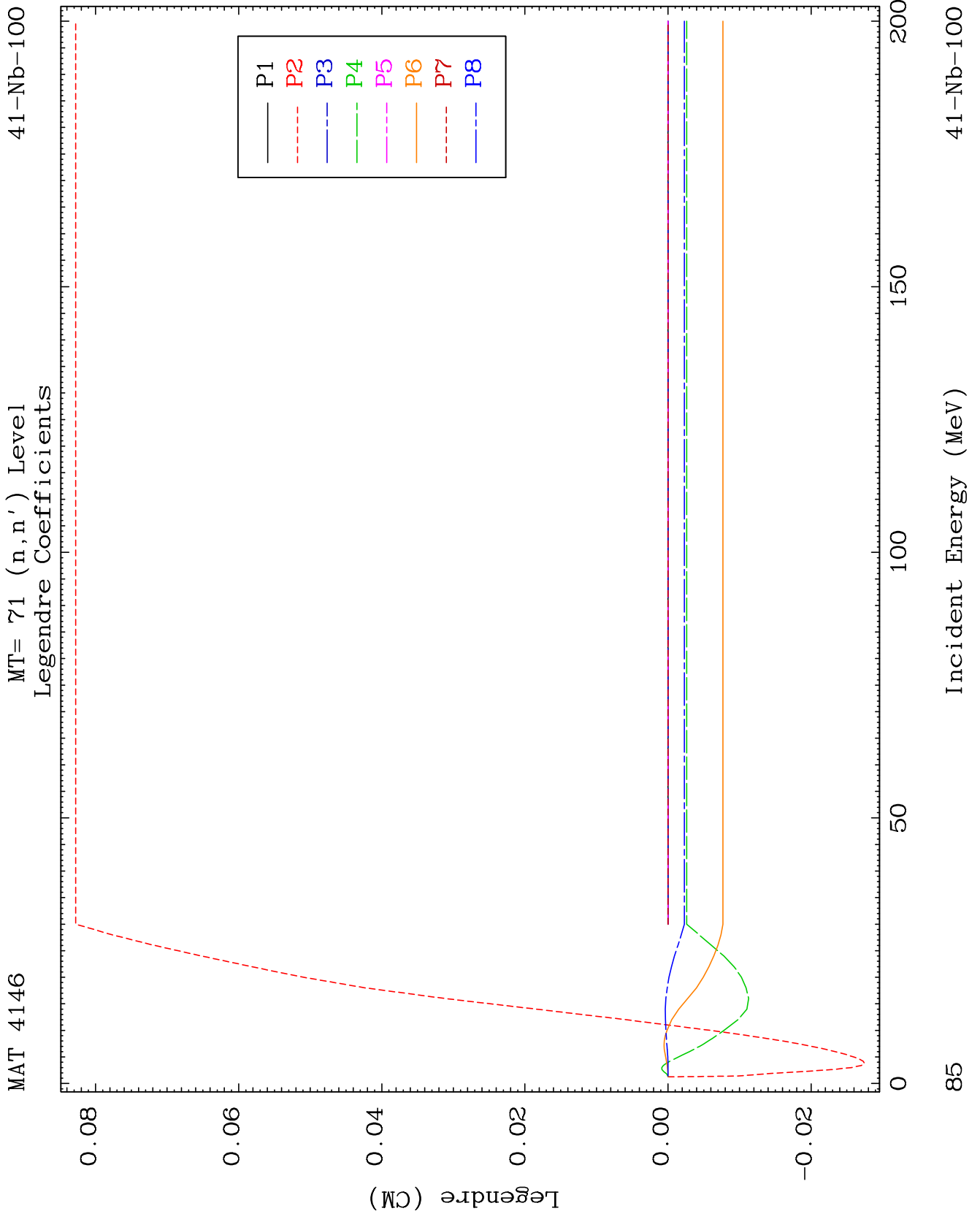
MAT 4146

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

41-Nb-100



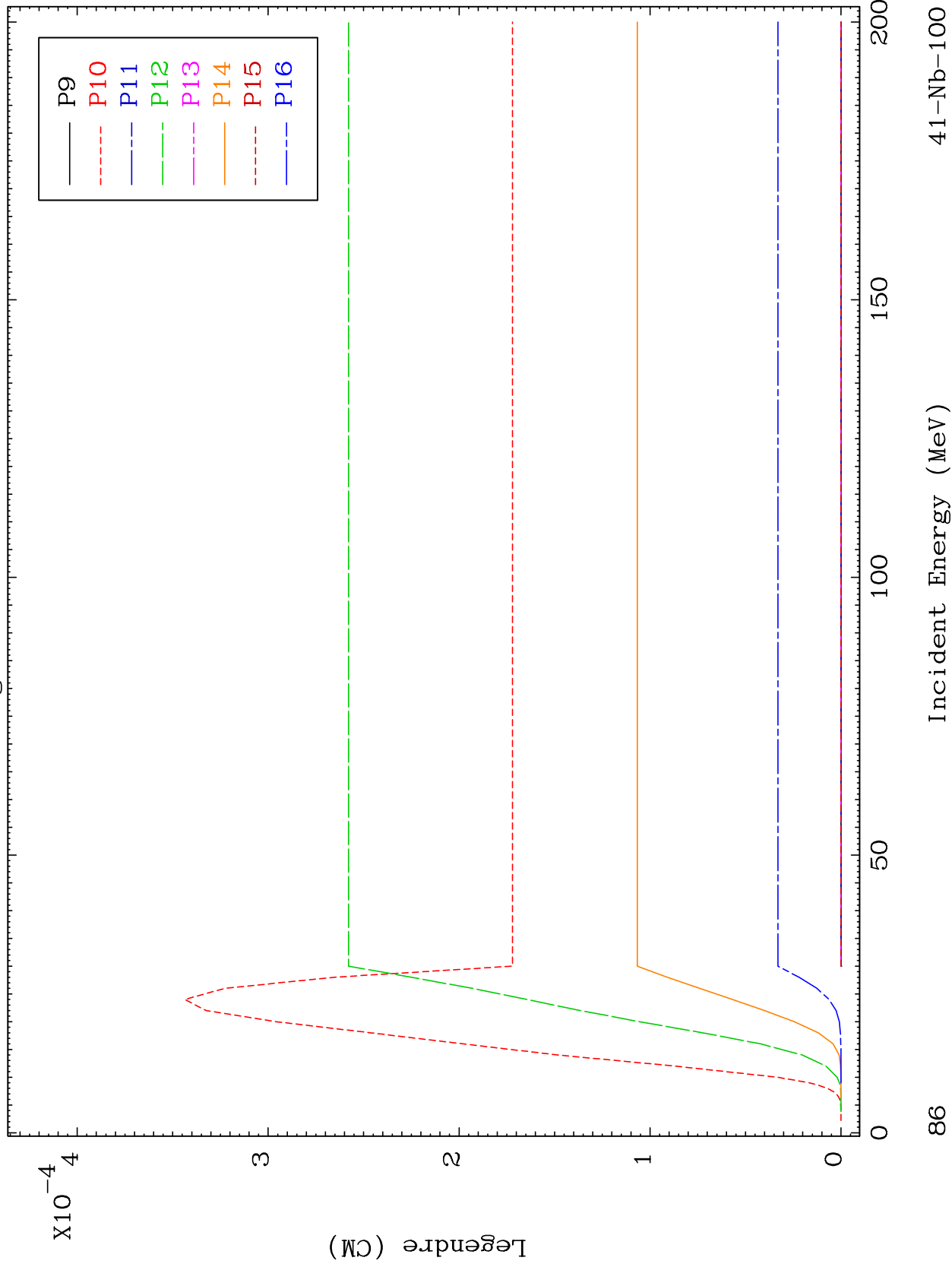




MAT 4146

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

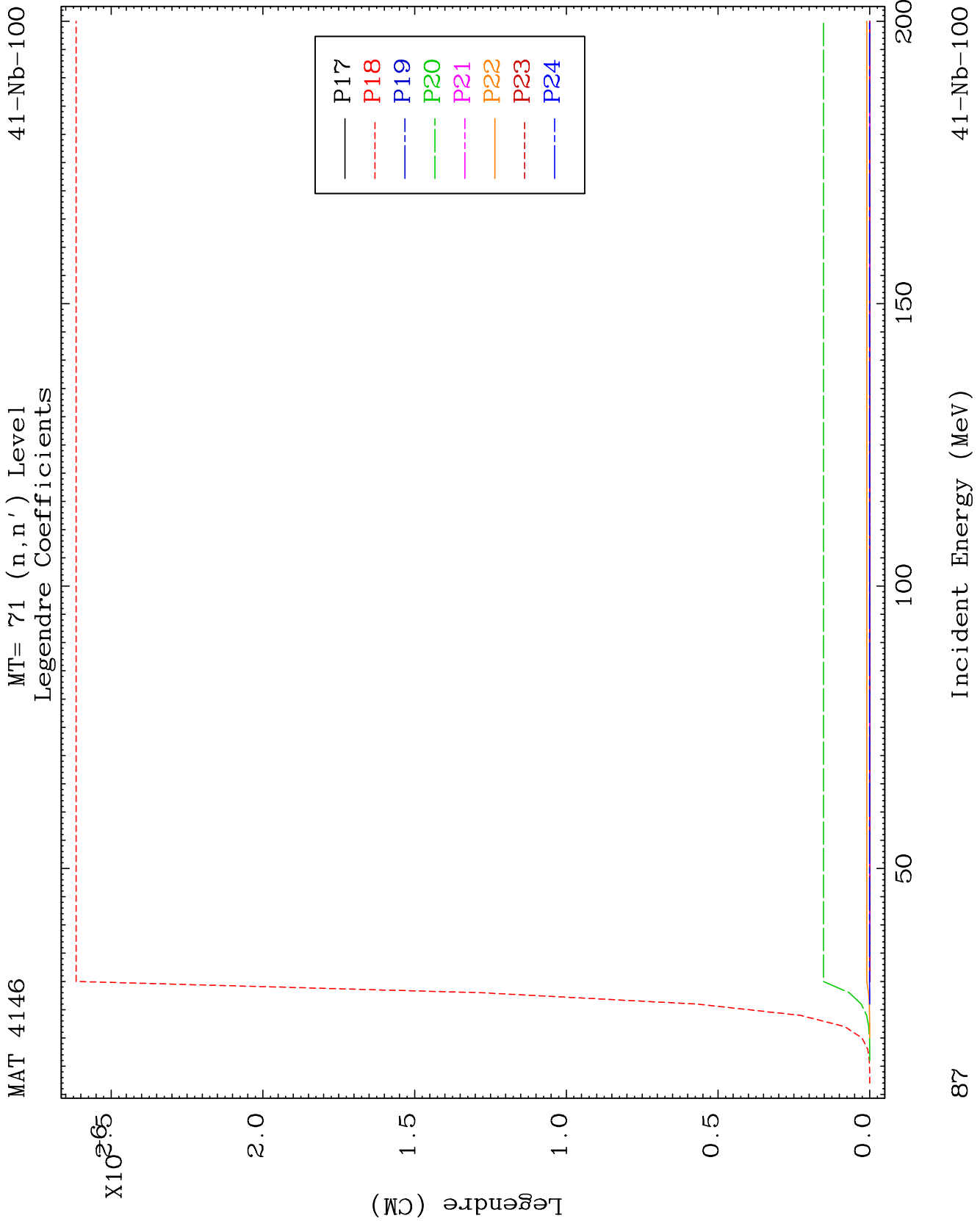
41-Nb-100



86

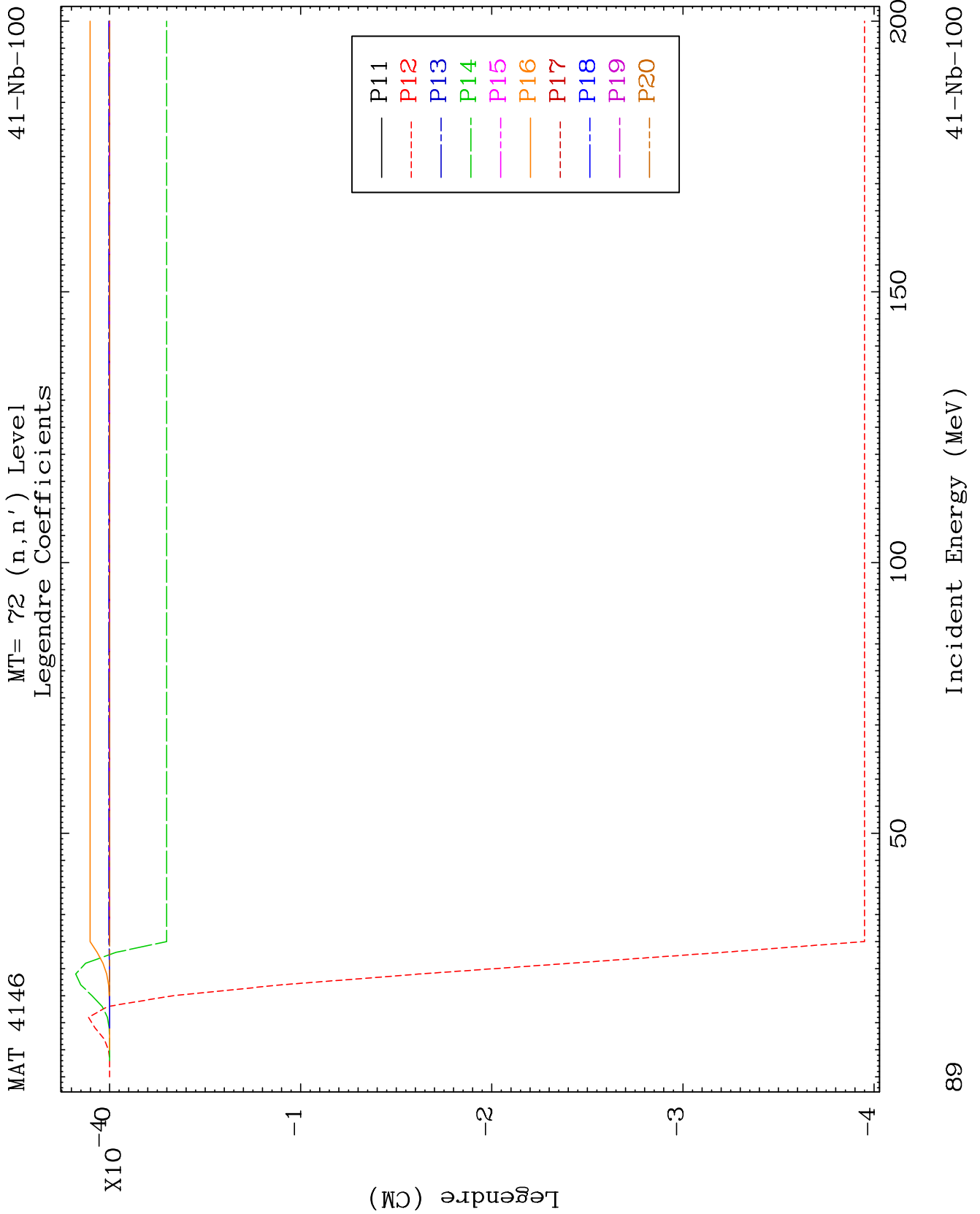
Incident Energy (MeV)

41-Nb-100





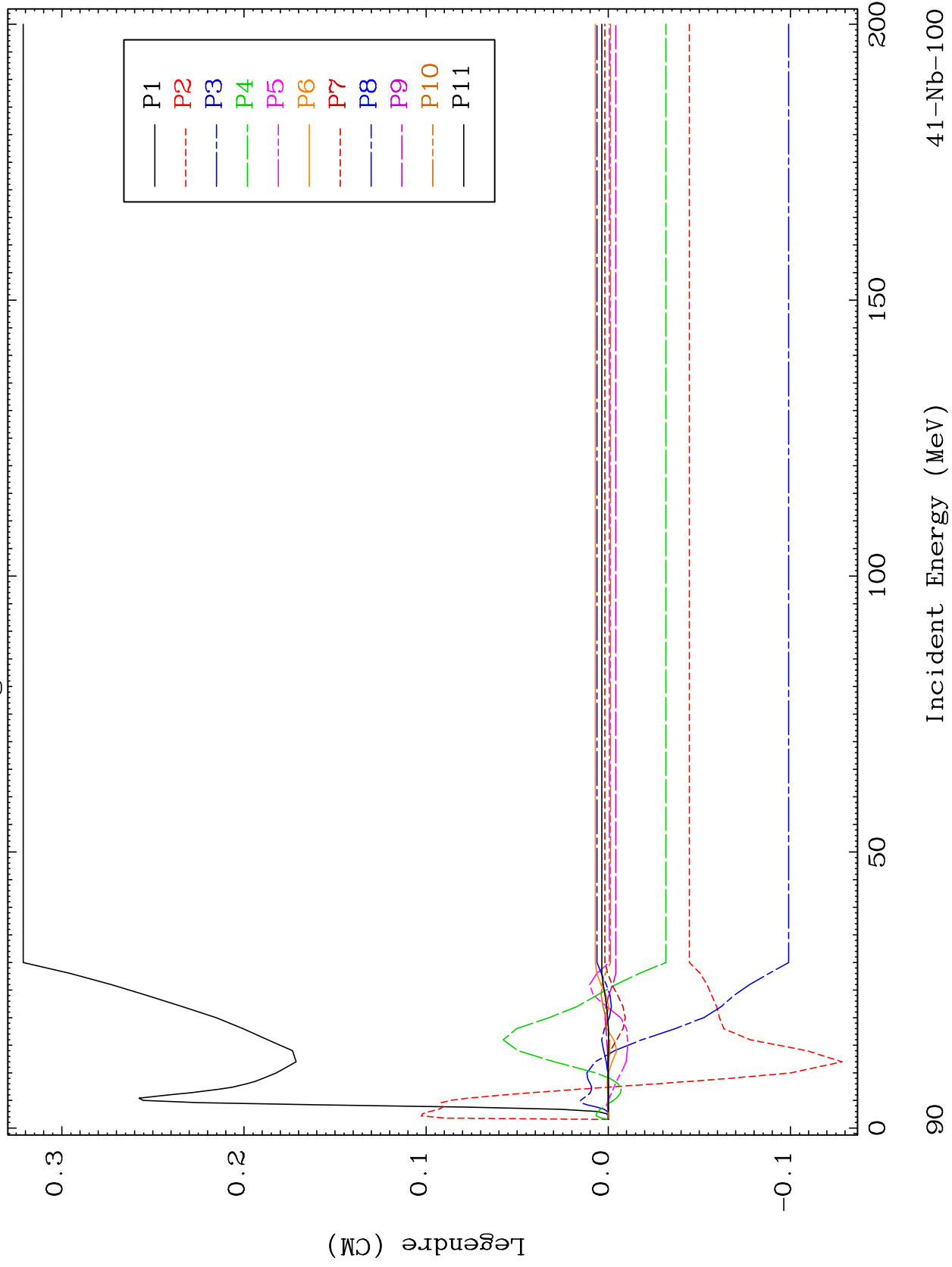




MAT 4146

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

41-Nb-100



41-Nb-100

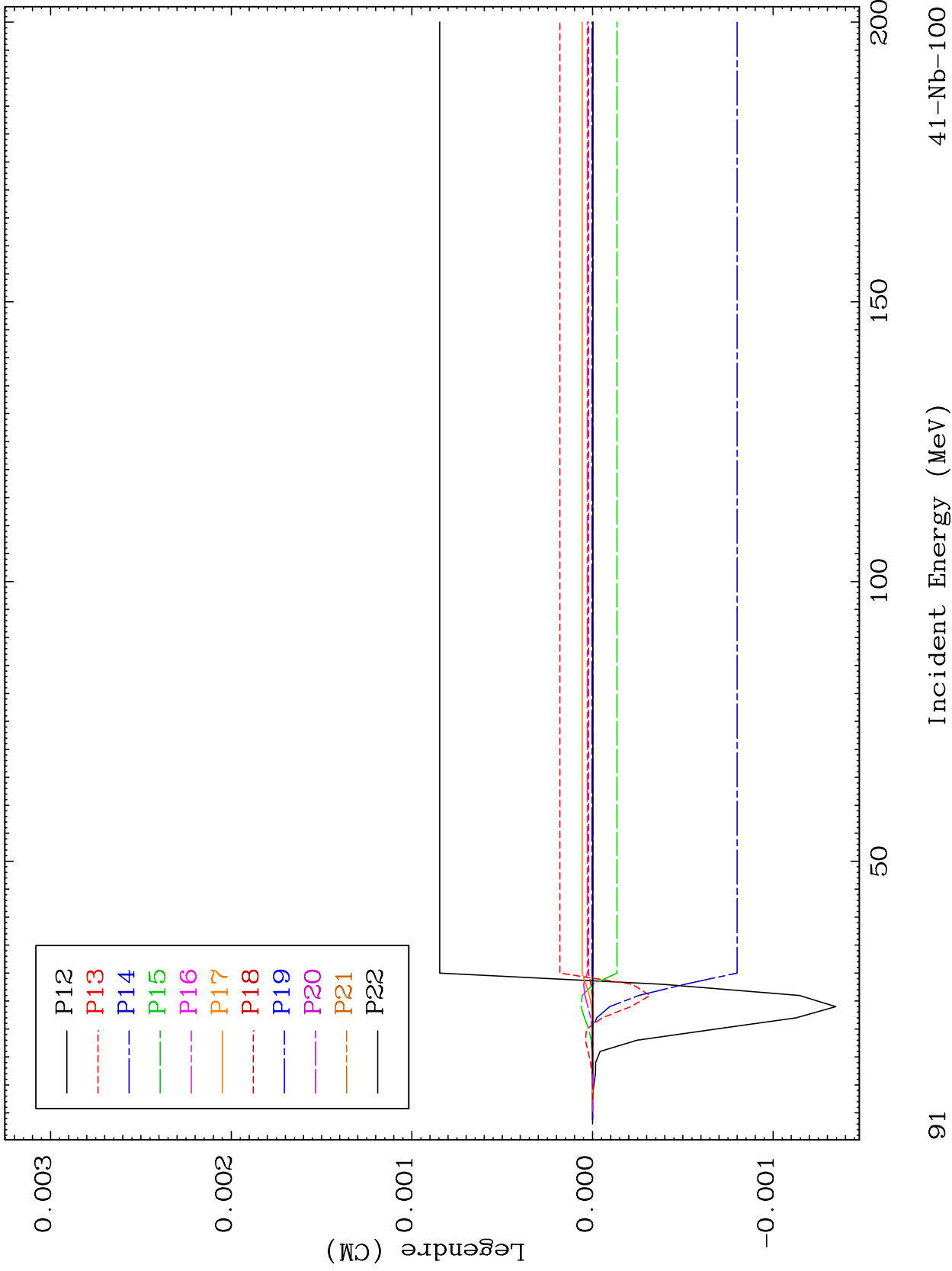
Incident Energy (MeV)

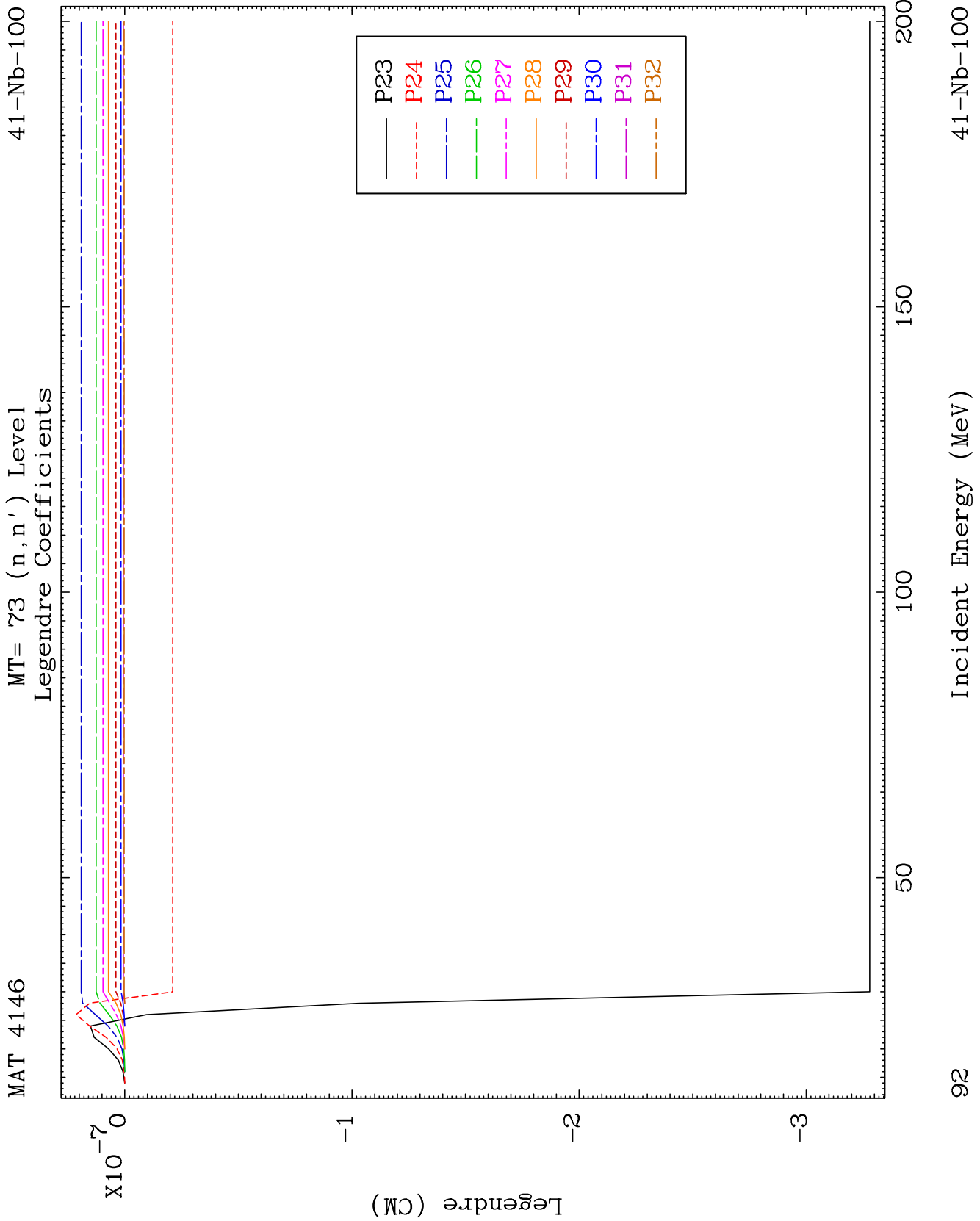
90

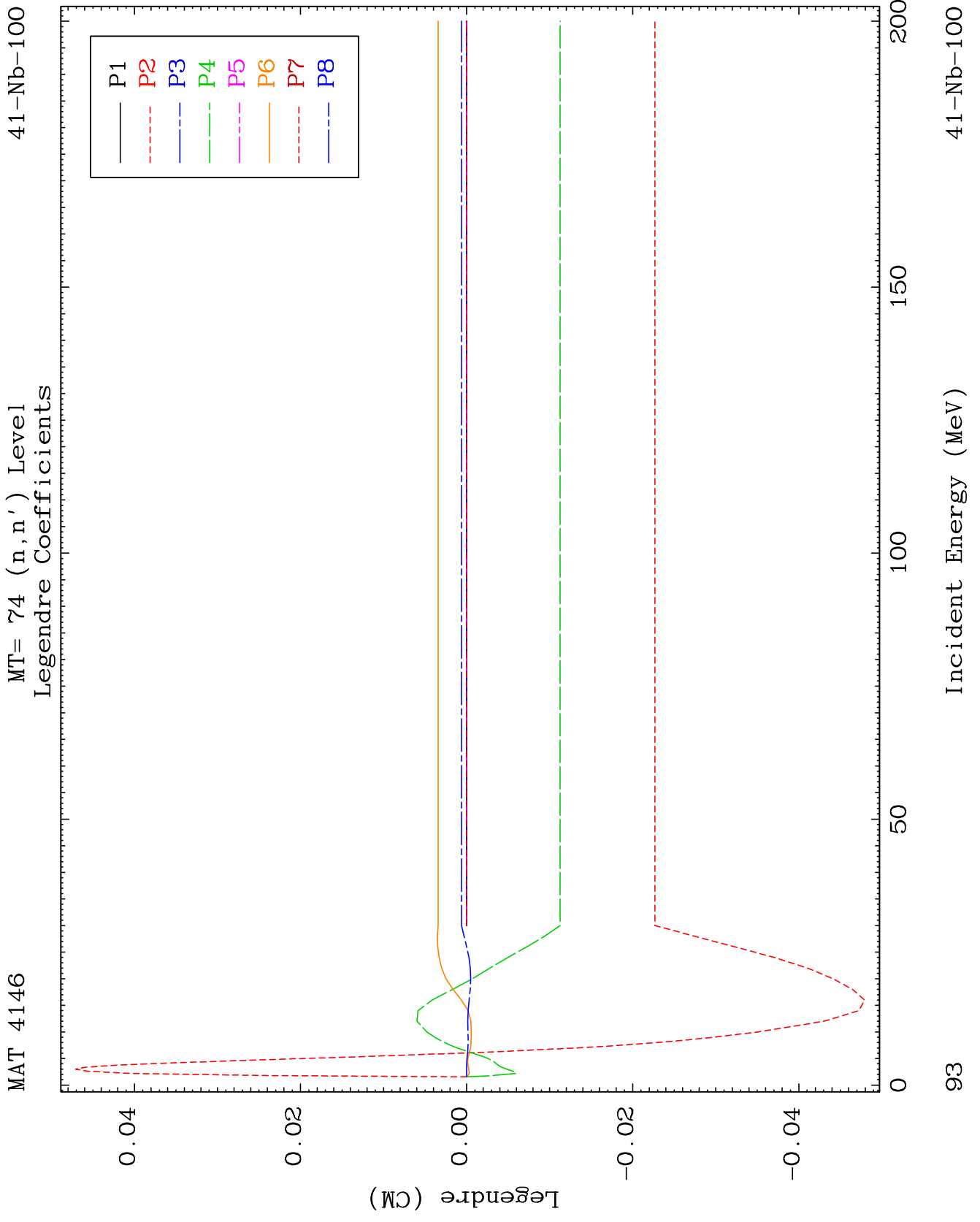
MAT 4146

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

41-Nb-100



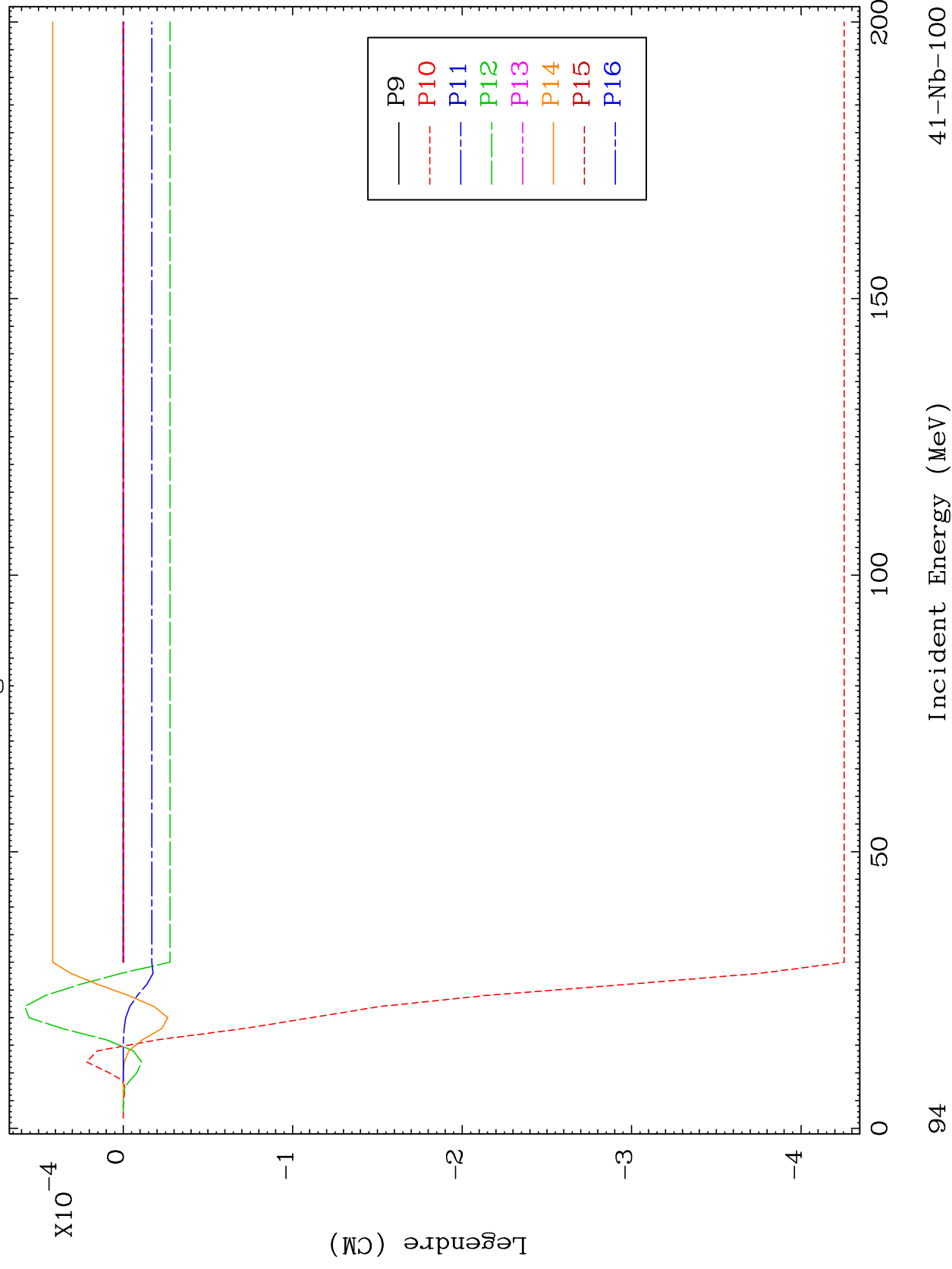




MAT 4146

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

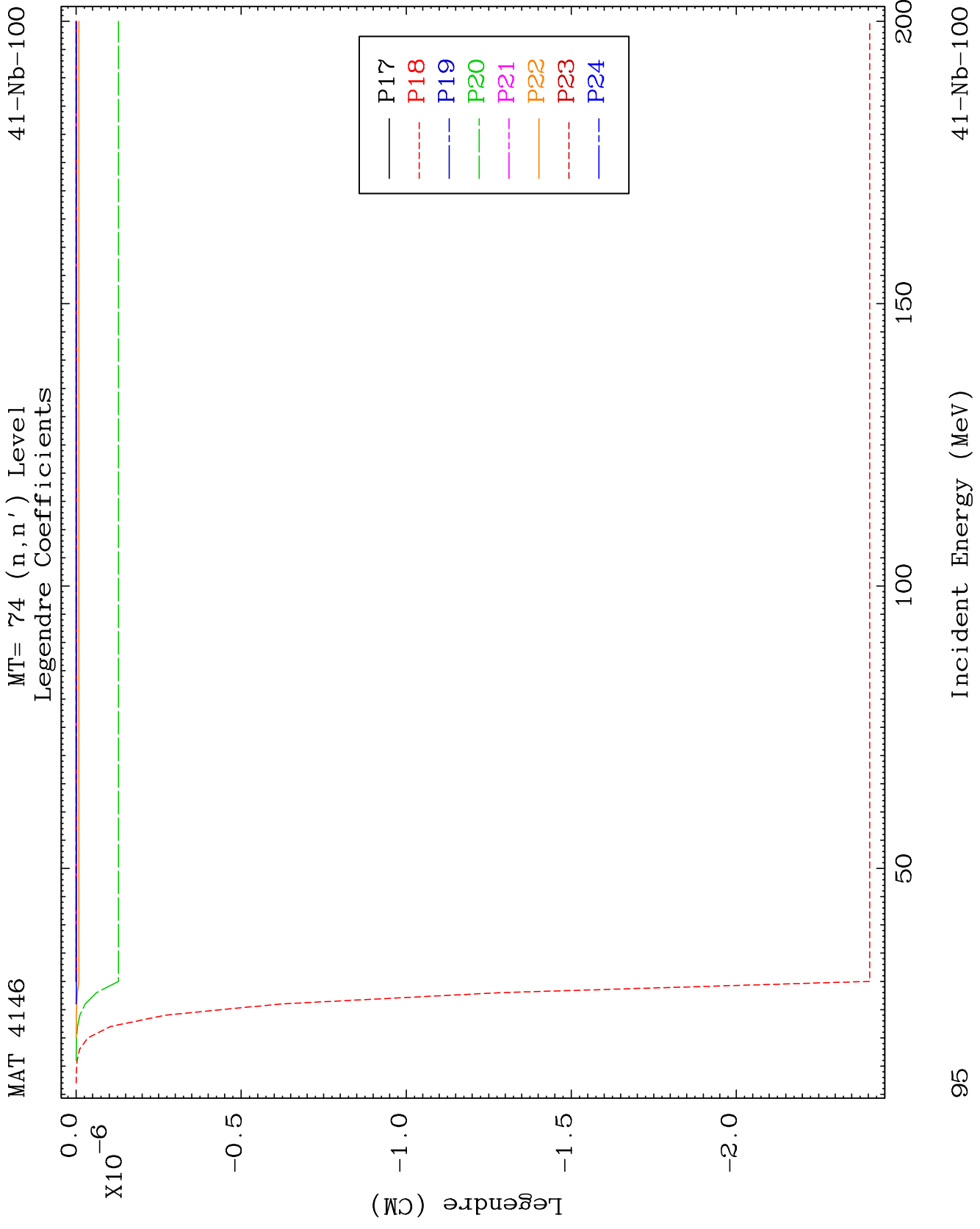
41-Nb-100



41-Nb-100

Incident Energy (MeV)

94



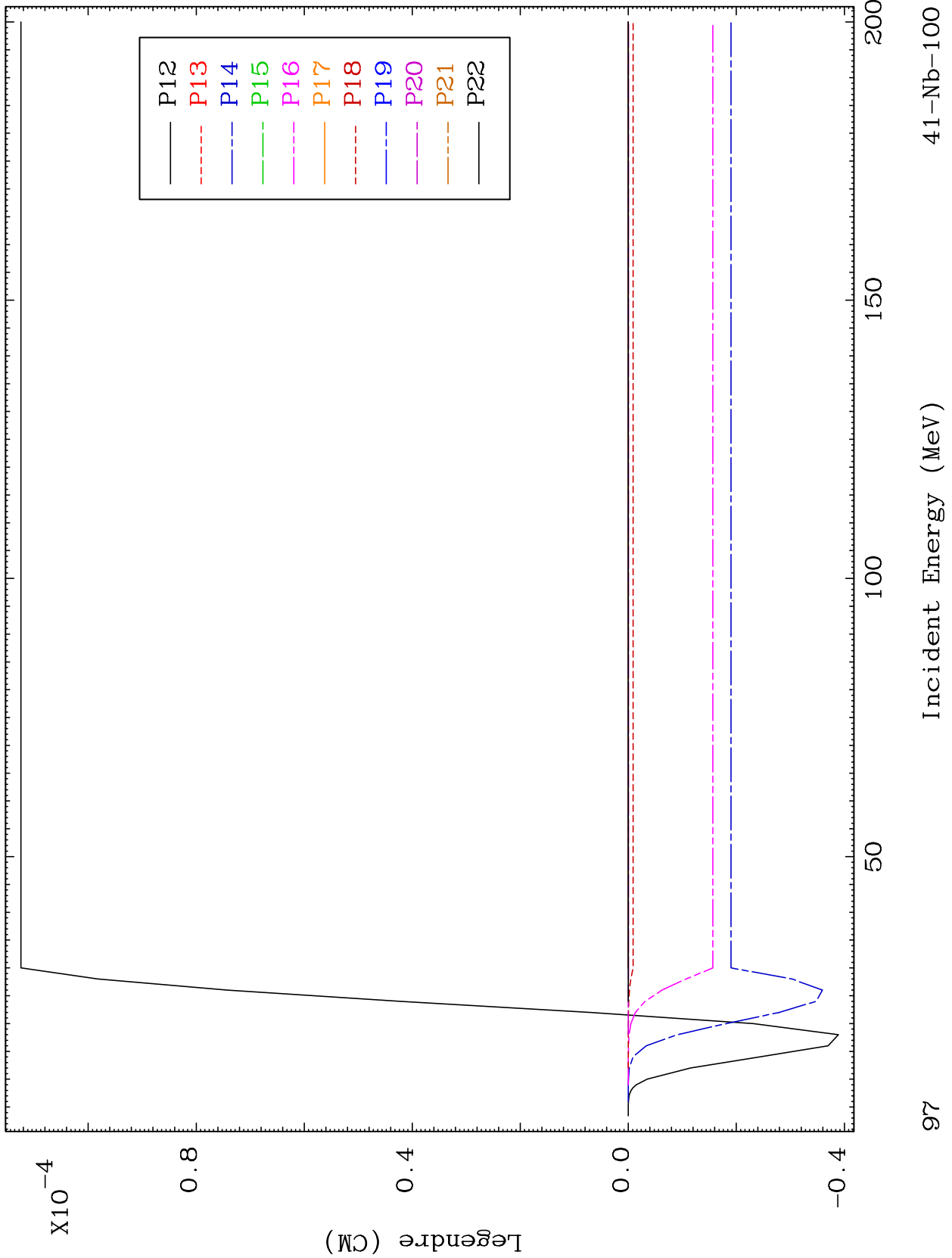




MAT 4146

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

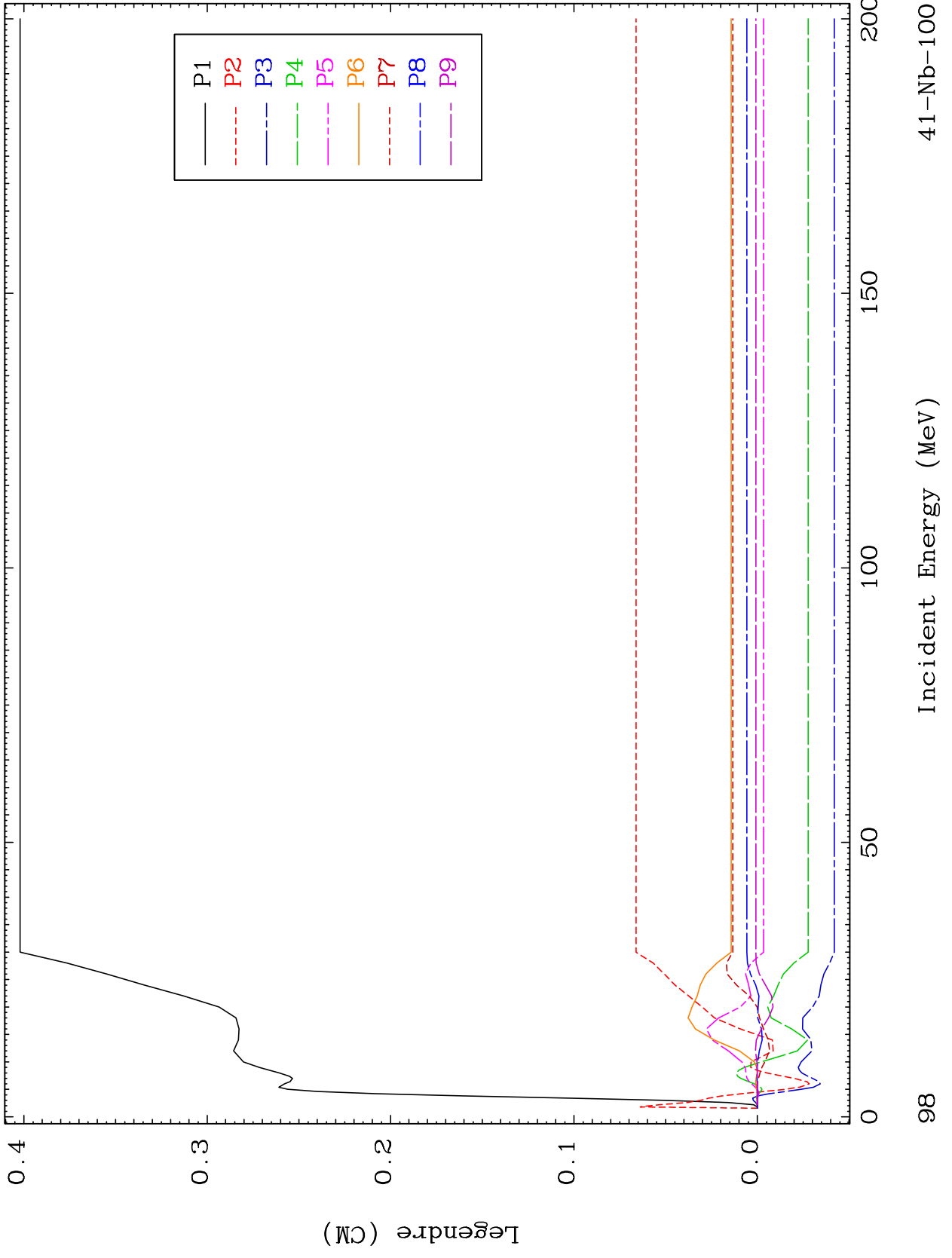
41-Nb-100



MAT 4146

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

41-Nb-100



98

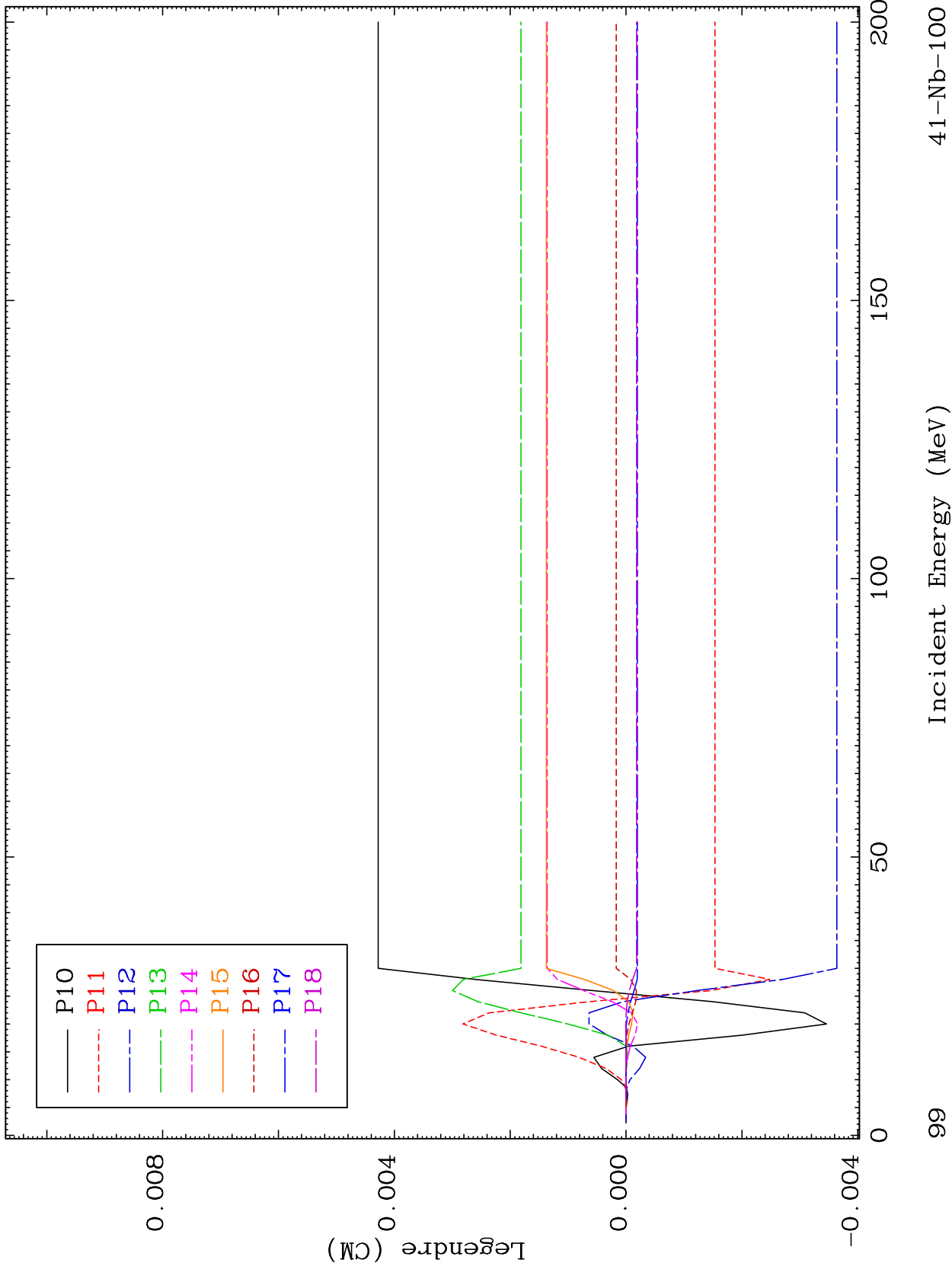
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



99

Incident Energy (MeV)

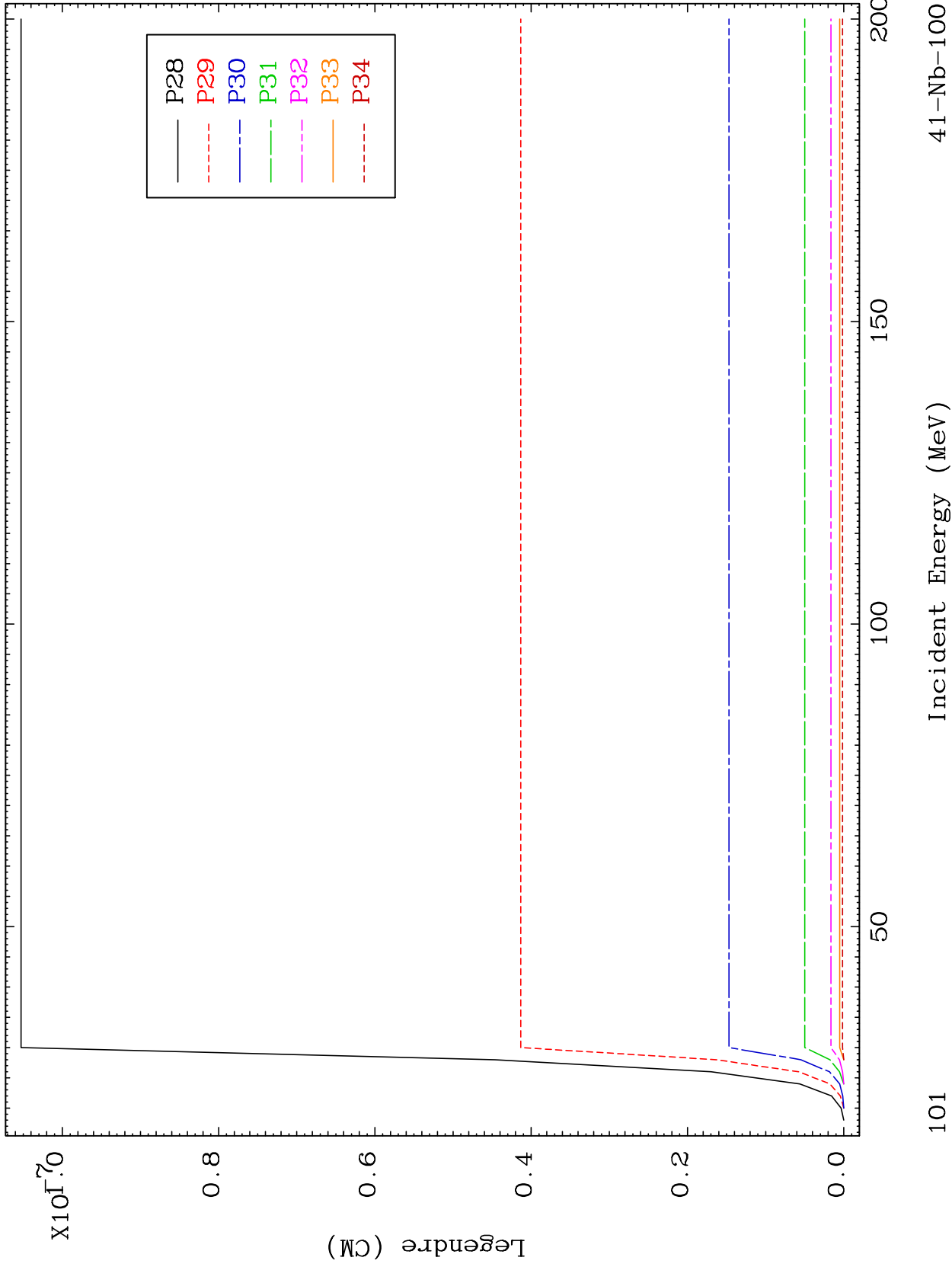
41-Nb-100



MAT 4146

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

41-Nb-100

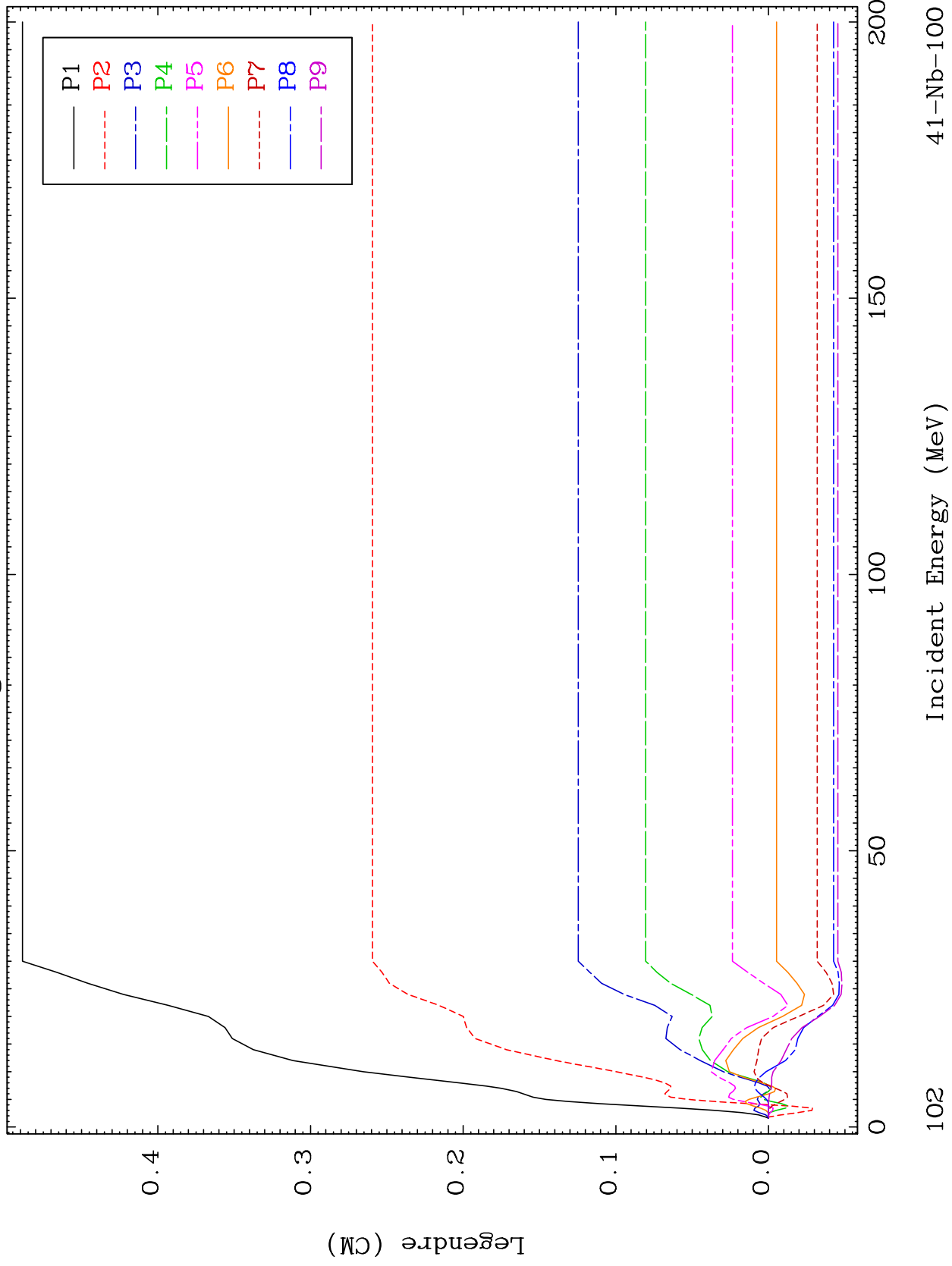


101

MAT 4146

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

41-Nb-100



41-Nb-100

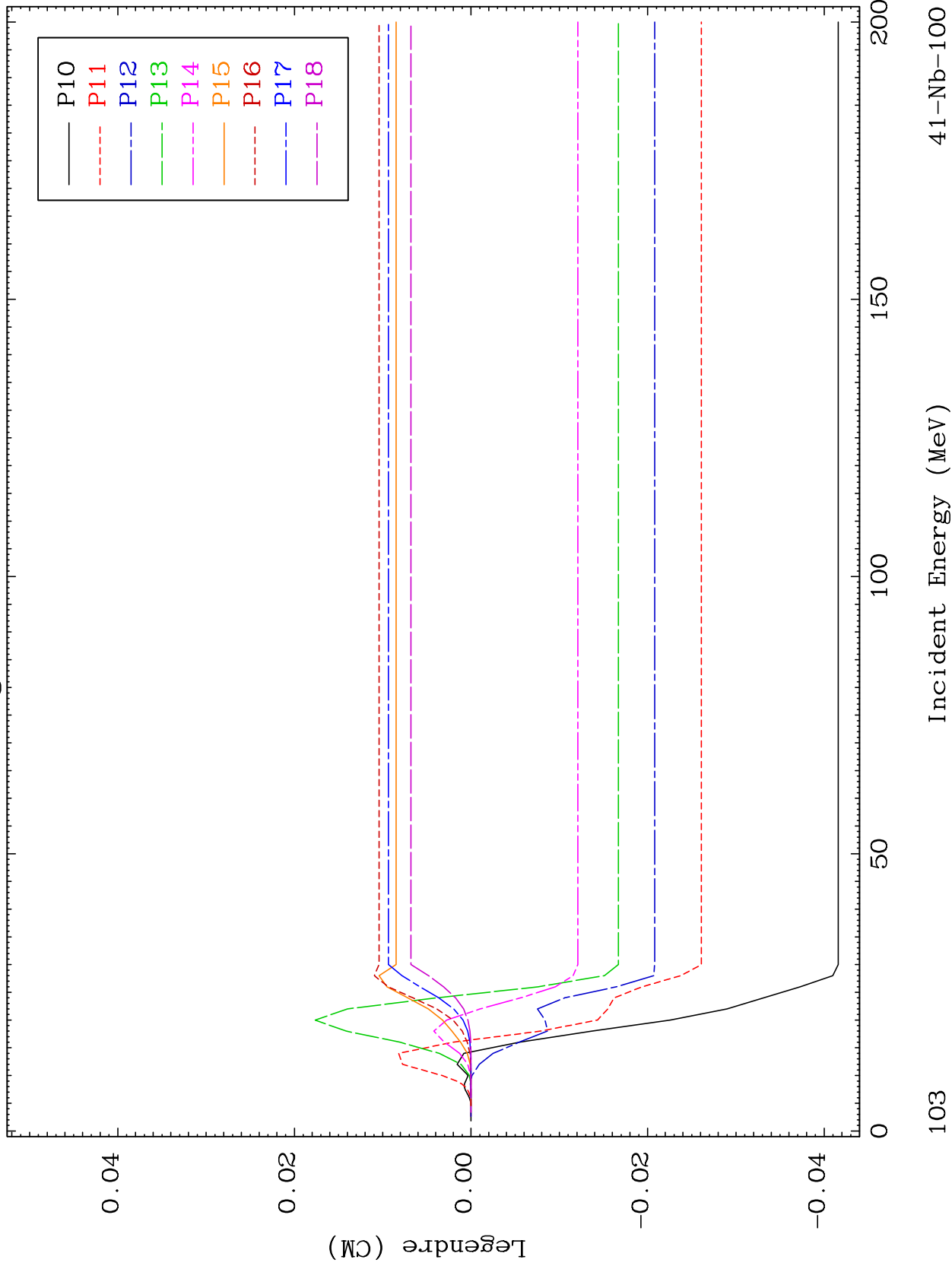
Incident Energy (MeV)

102

MAT 4146

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

41-Nb-100

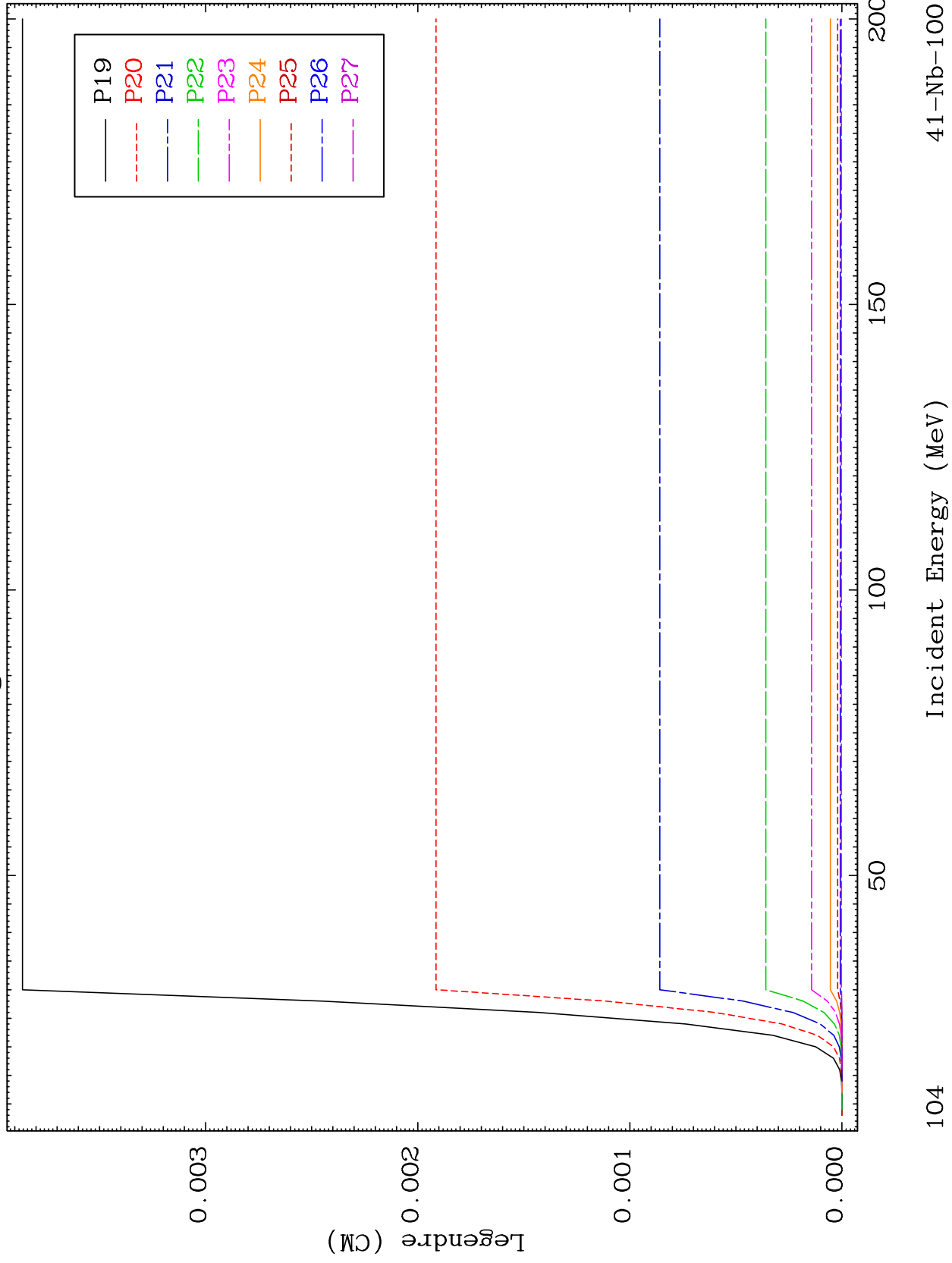




MAT 4146

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

41-Nb-100

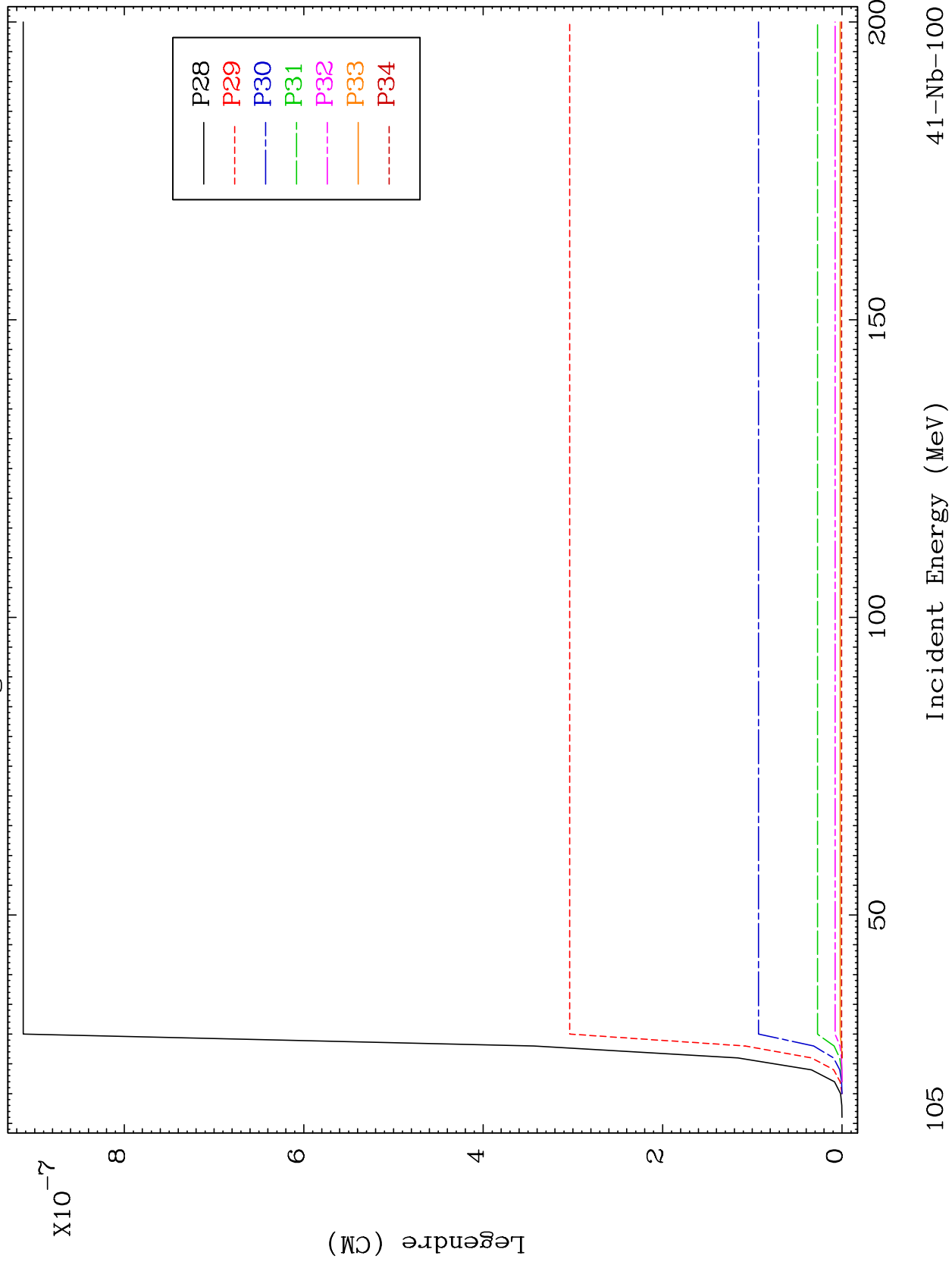


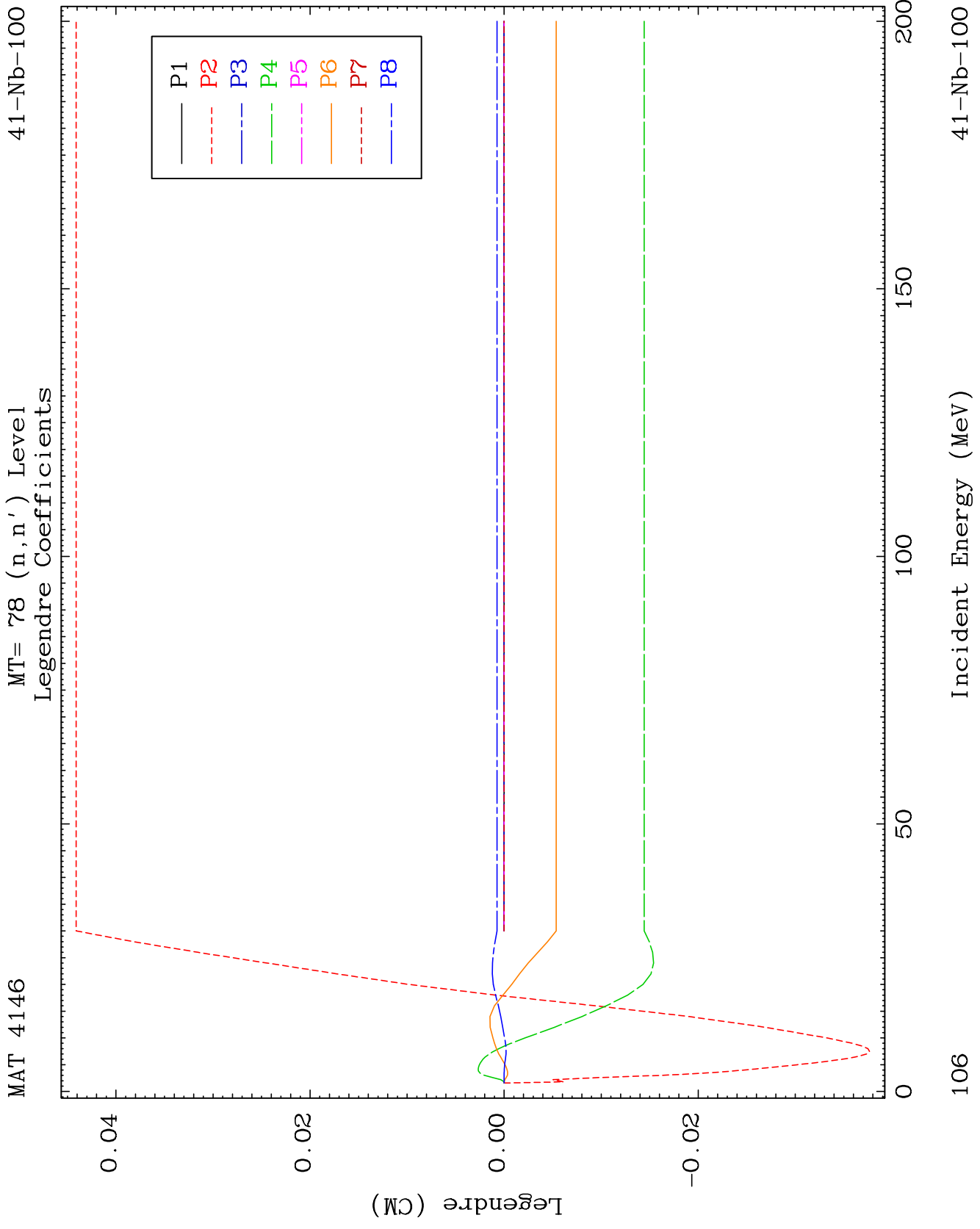
104

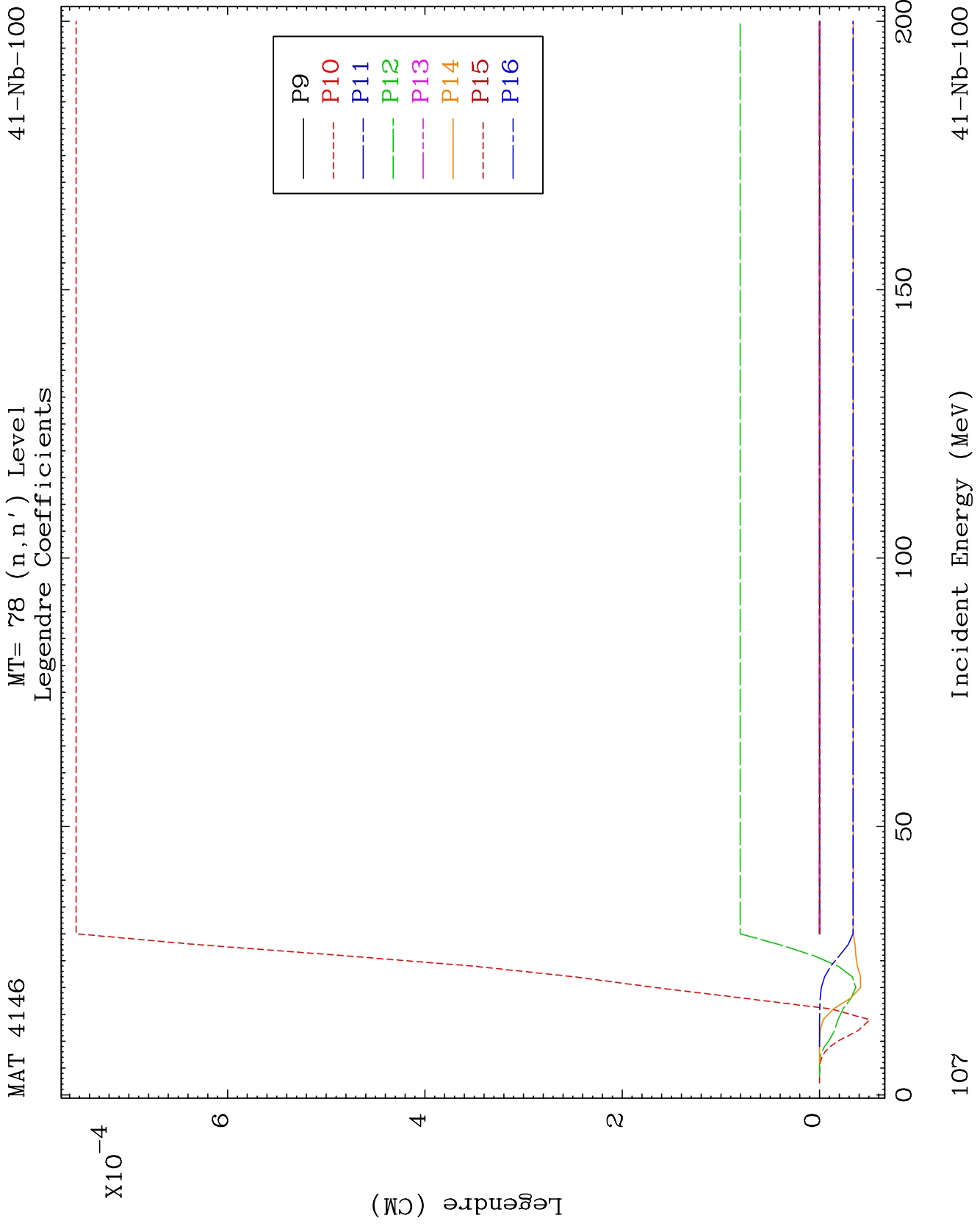
MAT 4146

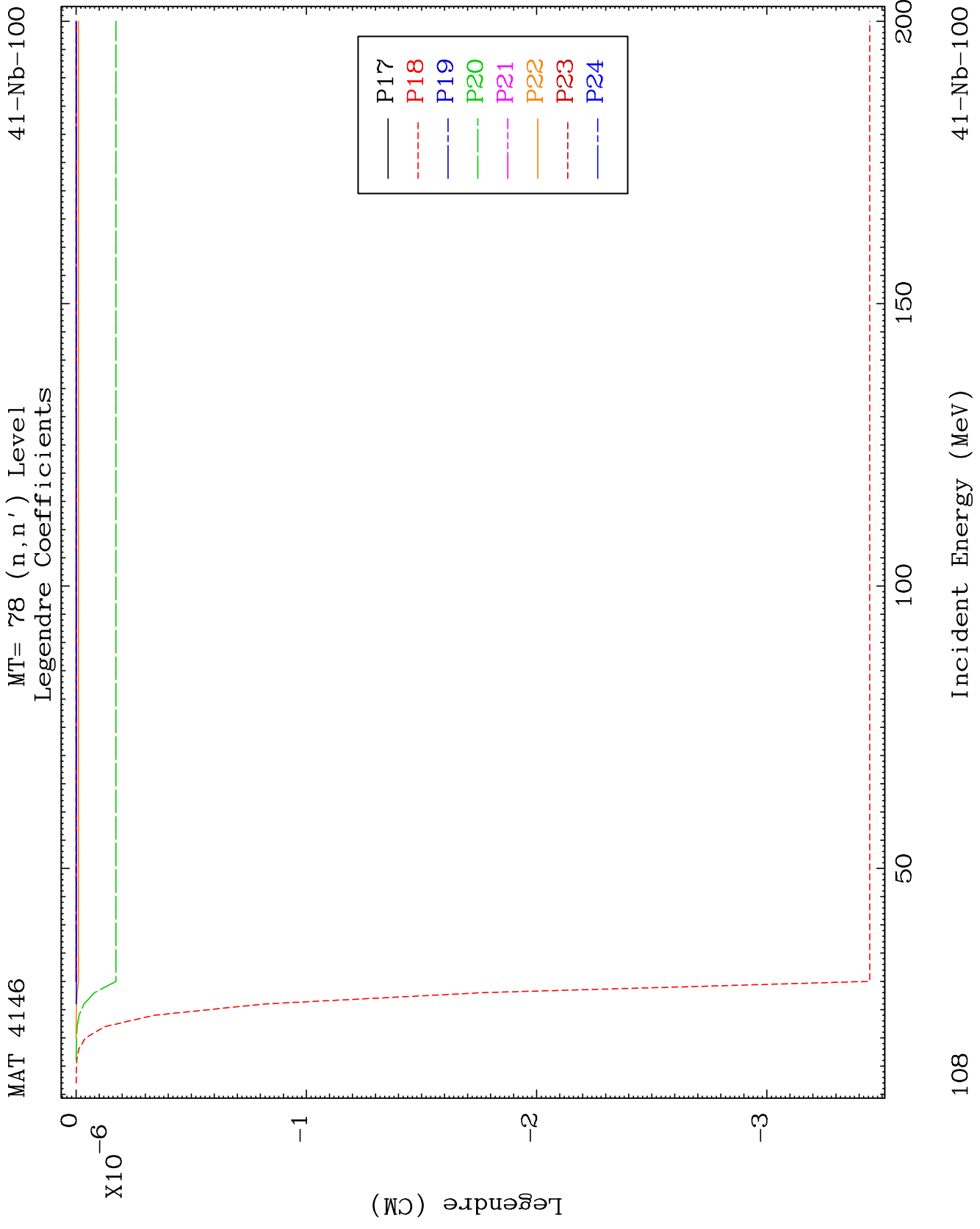
MT= 77 (n,n') Level  
Legendre Coefficients

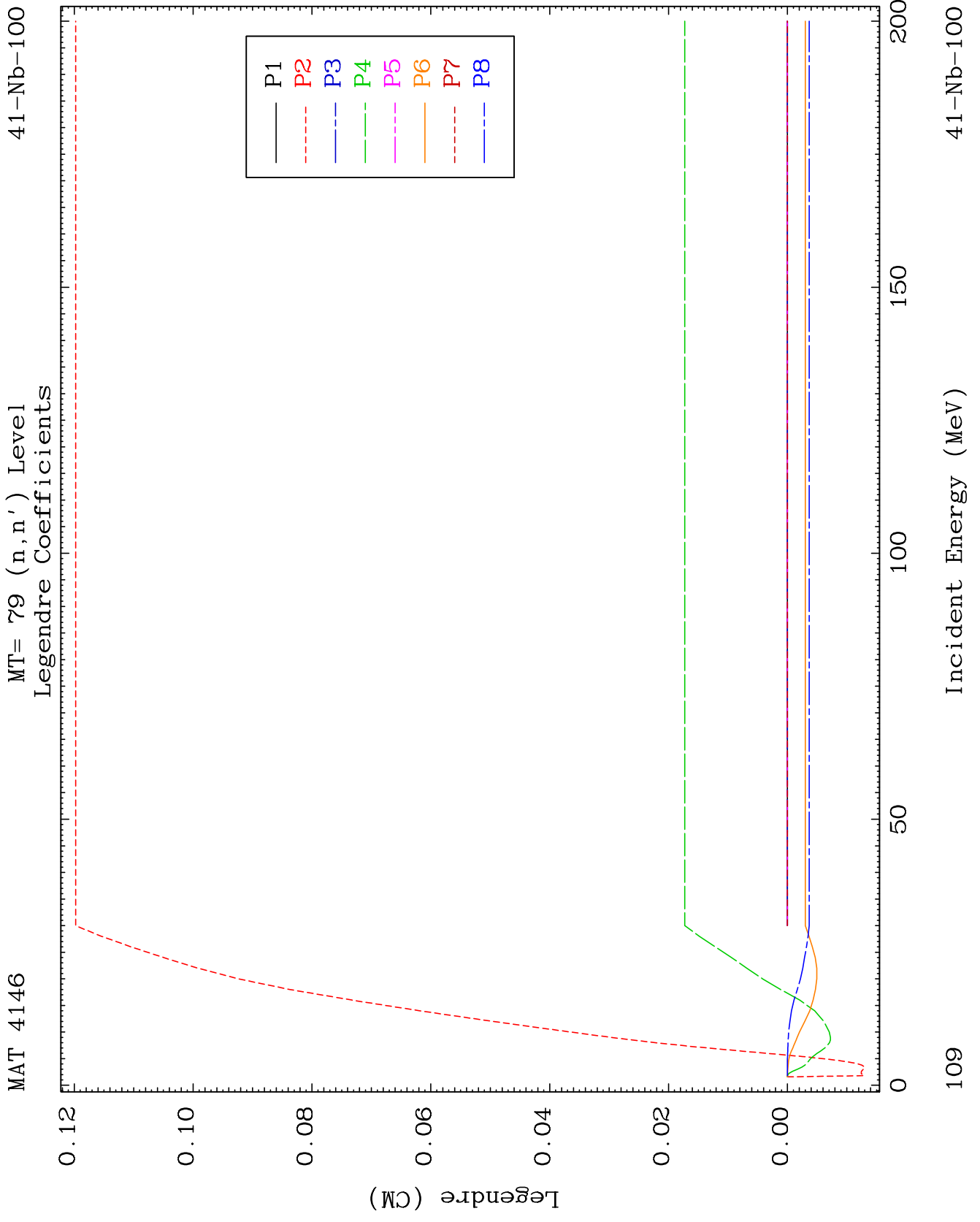
41-Nb-100

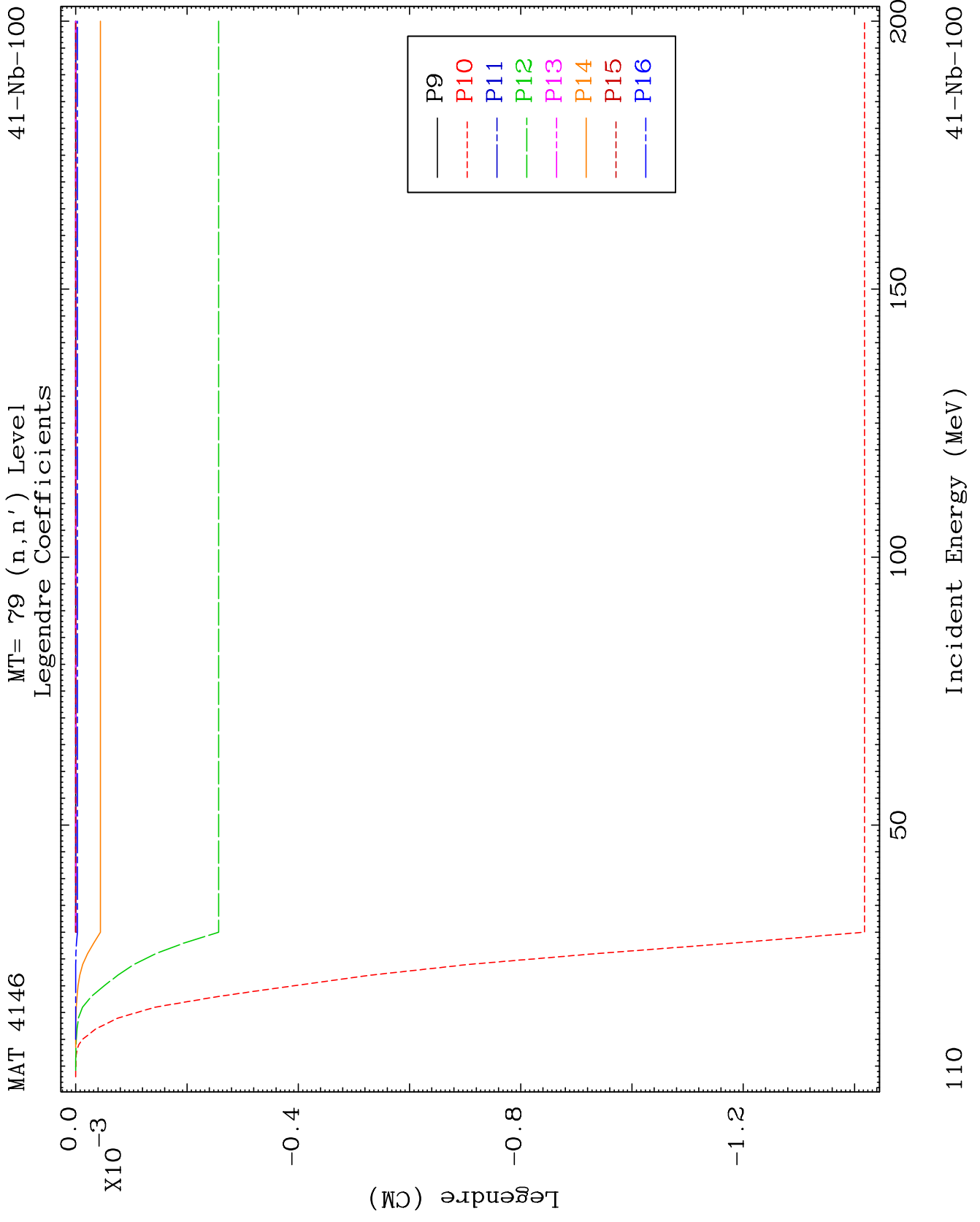


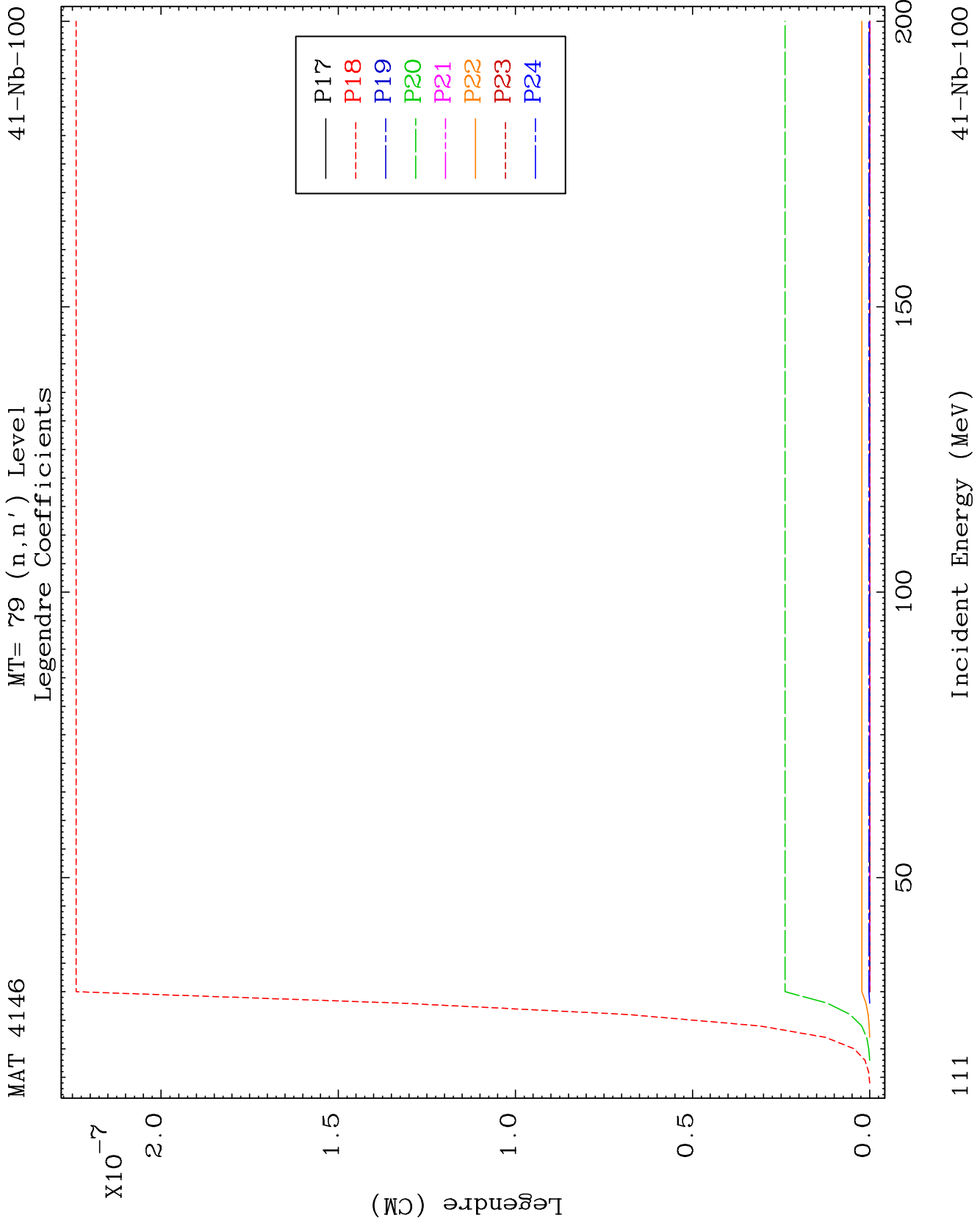










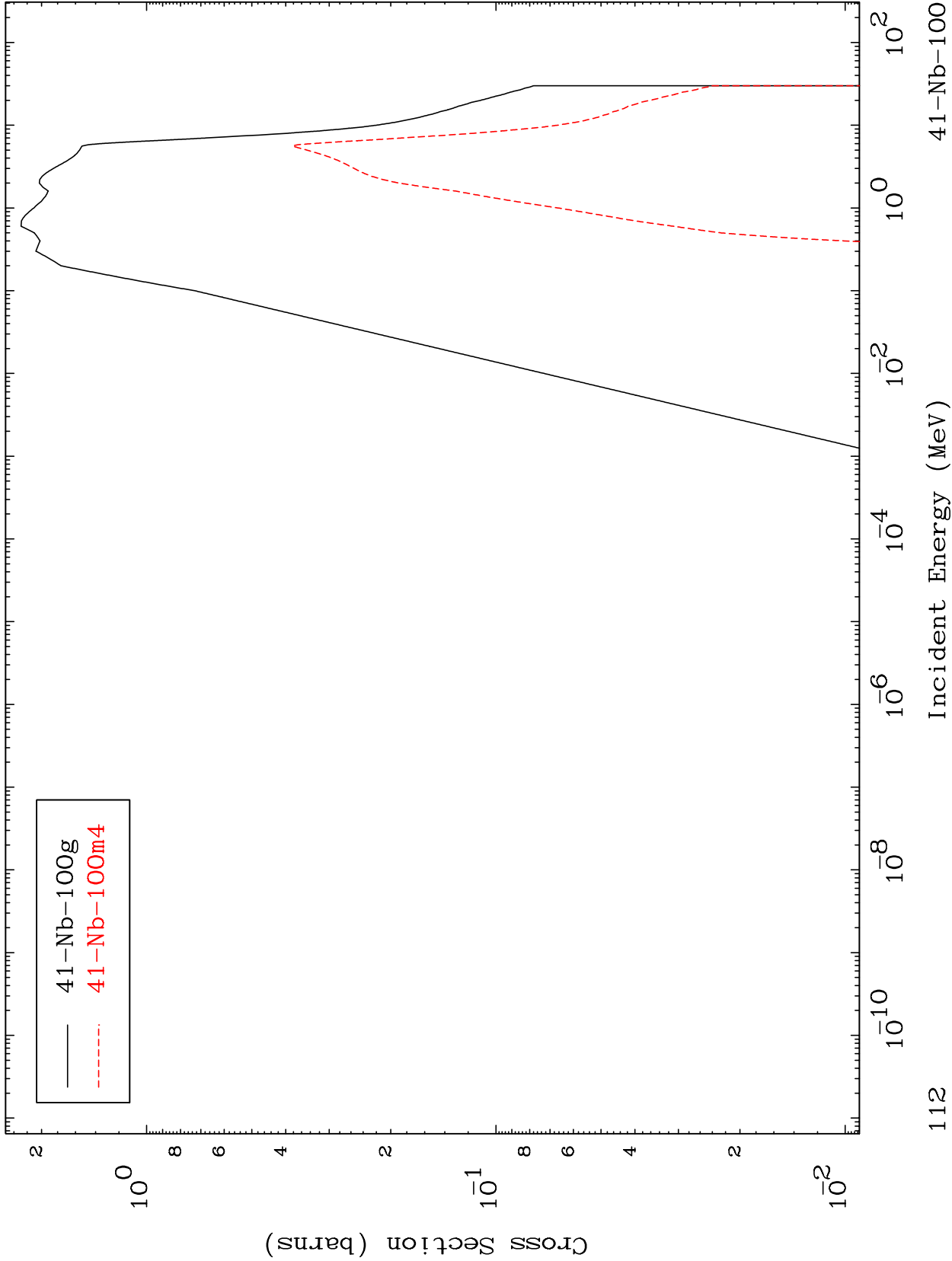




MAT 4146

Radionuclide Production Cross Section

41-Nb-100



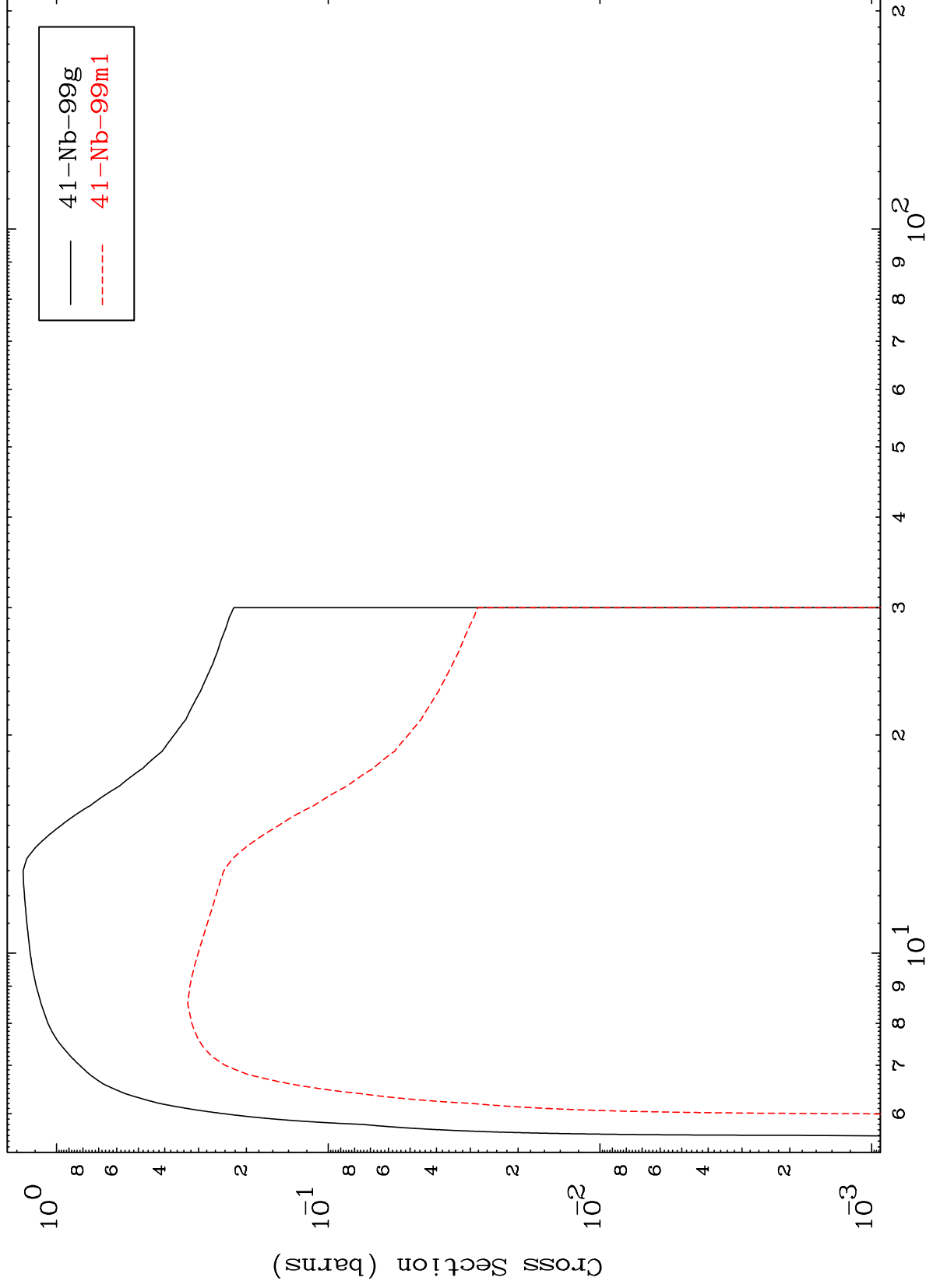
41-Nb-100g  
41-Nb-100m4

MAT 4146

(n,2n)

41-Nb-100

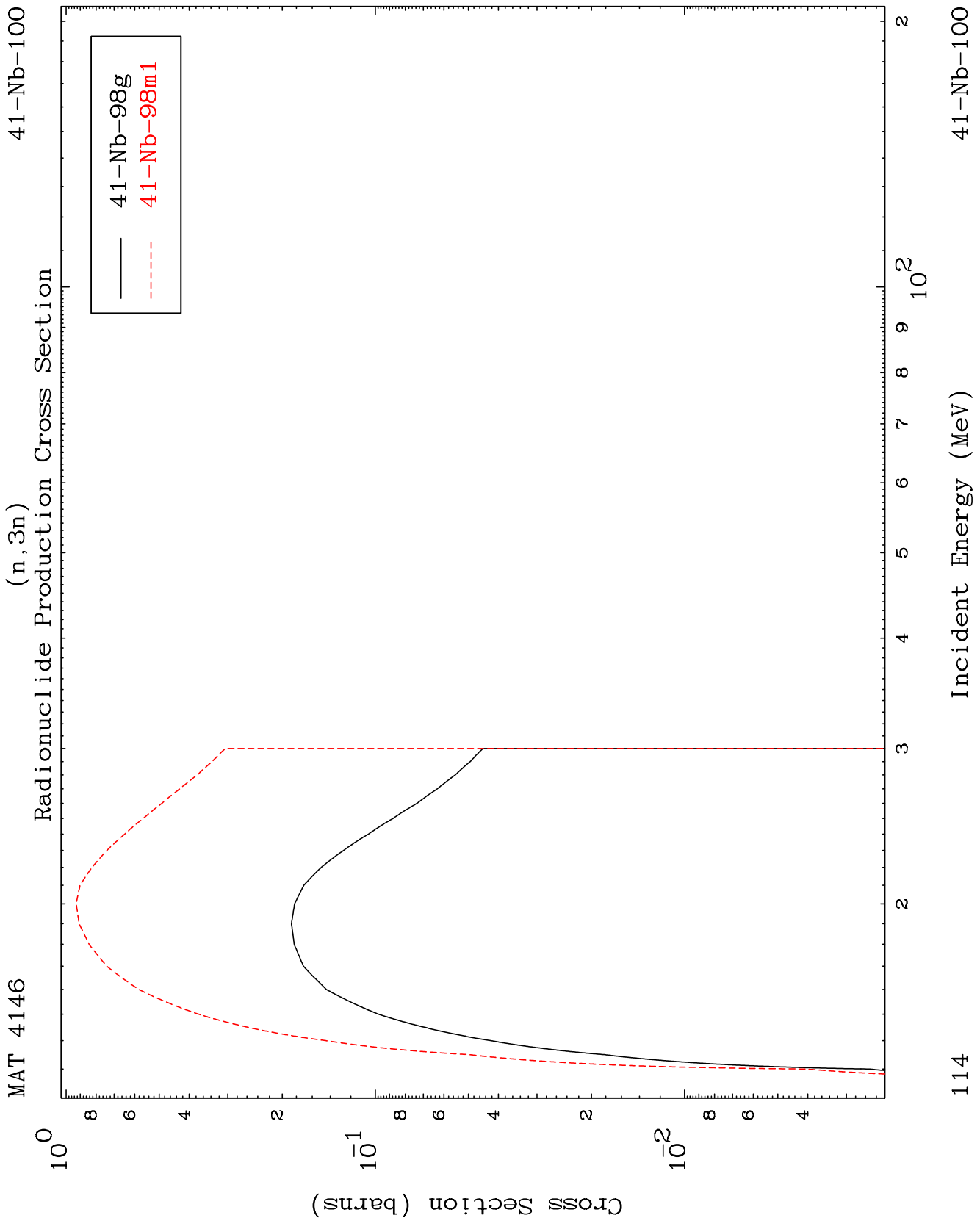
Radionuclide Production Cross Section



113

Incident Energy (MeV)

41-Nb-100

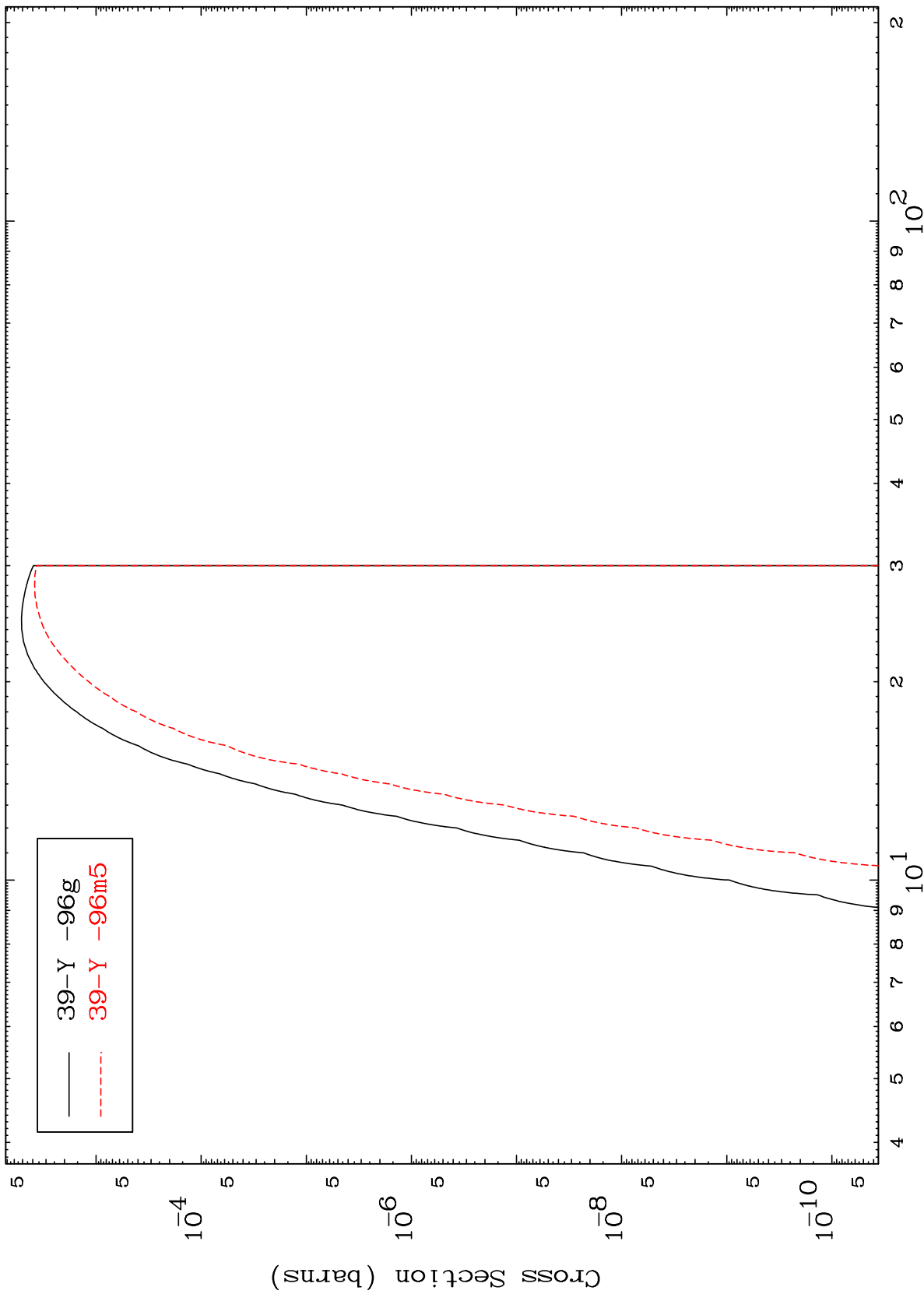


MAT 4146

$(n, n') \alpha$

41-Nb-100

Radionuclide Production Cross Section



115

Incident Energy (MeV)

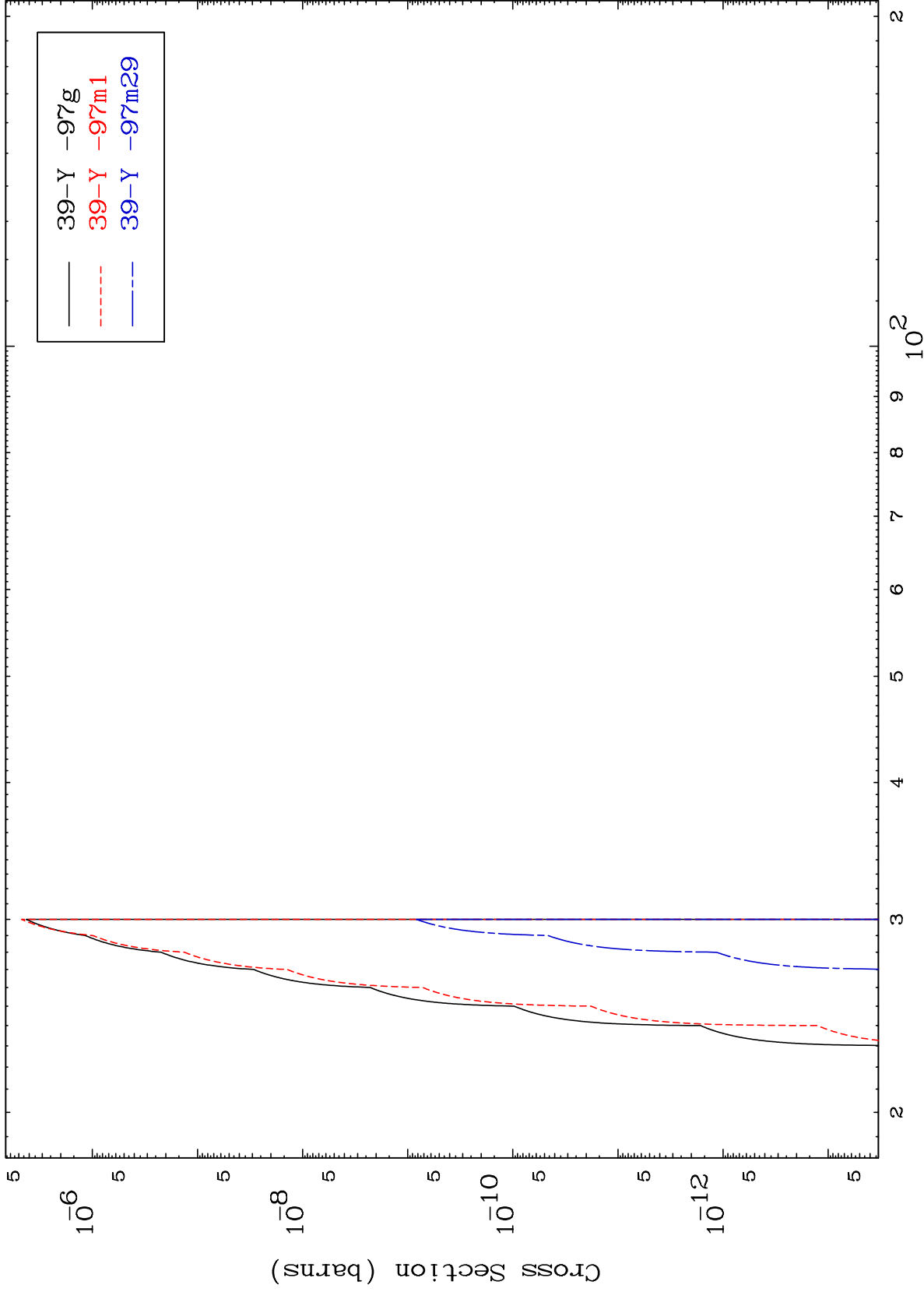
41-Nb-100

MAT 4146

(n,n') He-3

41-Nb-100

Radionuclide Production Cross Section



116

Incident Energy (MeV)

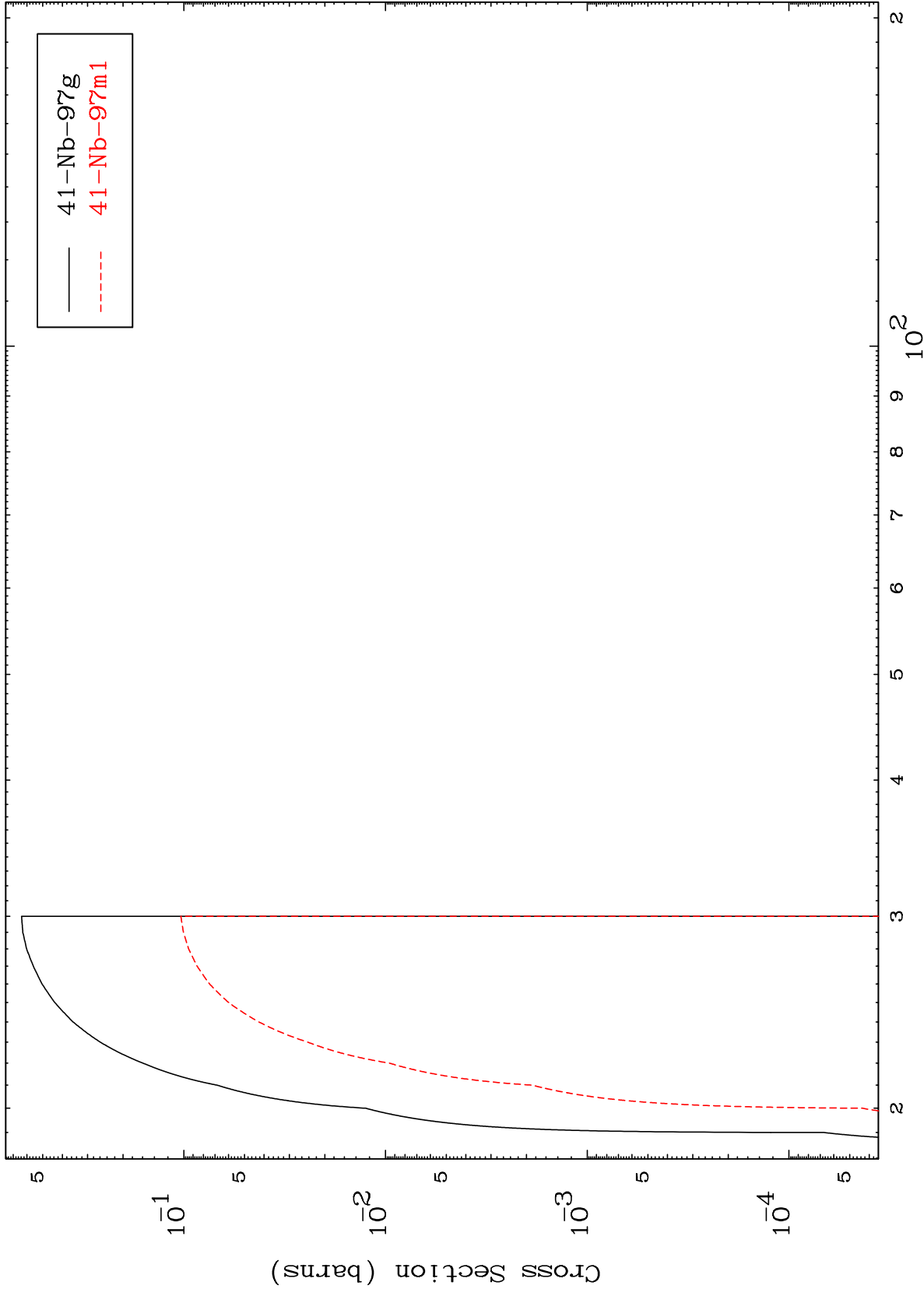
41-Nb-100

MAT 4146

(n,4n)

41-Nb-100

Radionuclide Production Cross Section



41-Nb-97g  
41-Nb-97m1

117

Incident Energy (MeV)

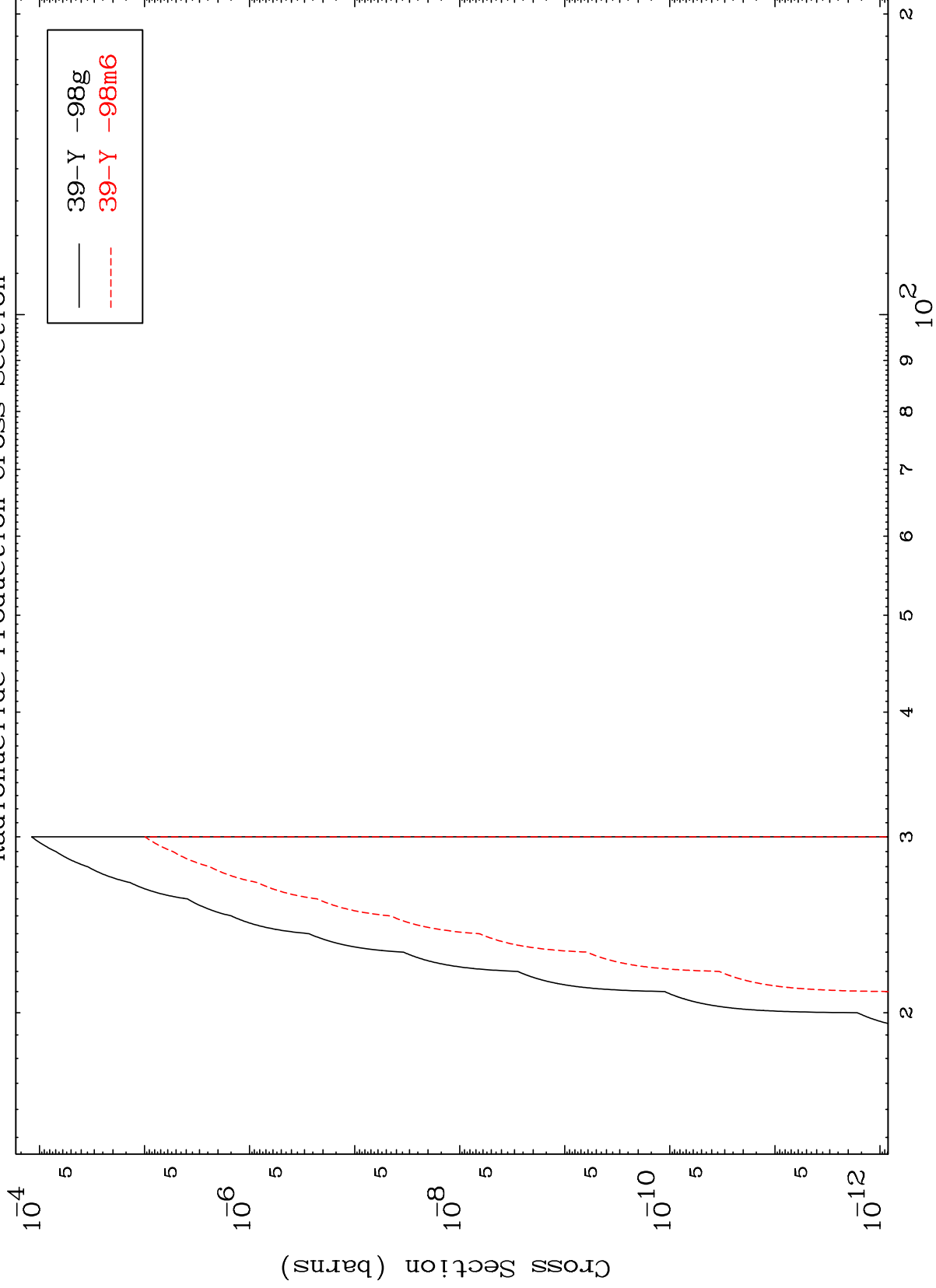
41-Nb-100

MAT 4146

(n,He-3)

41-Nb-100

Radionuclide Production Cross Section



118

Incident Energy (MeV)

41-Nb-100

MAT 4146

41-Nb-100

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

