

Program EVALPLOT
(Version 2021-1)

by

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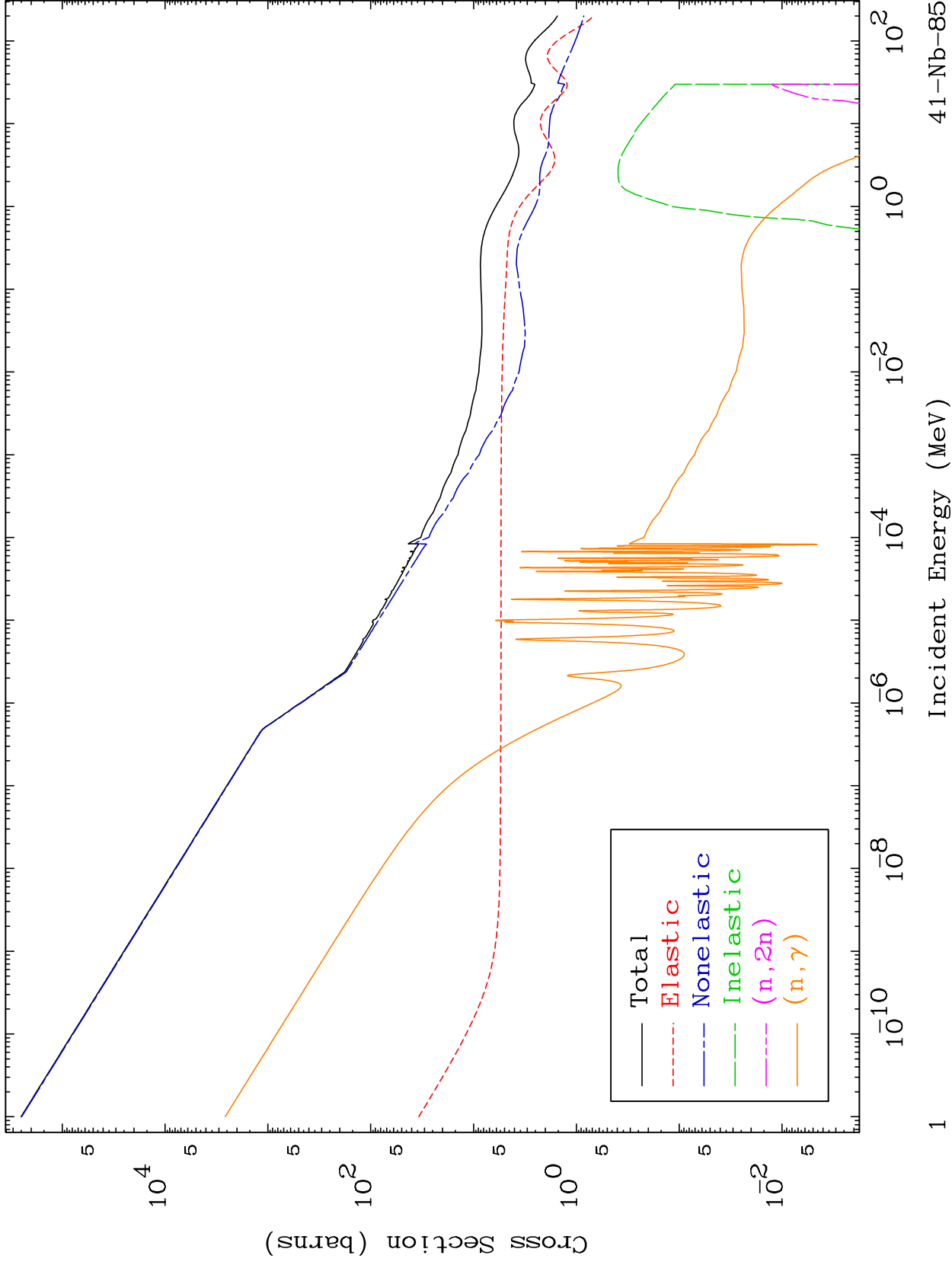
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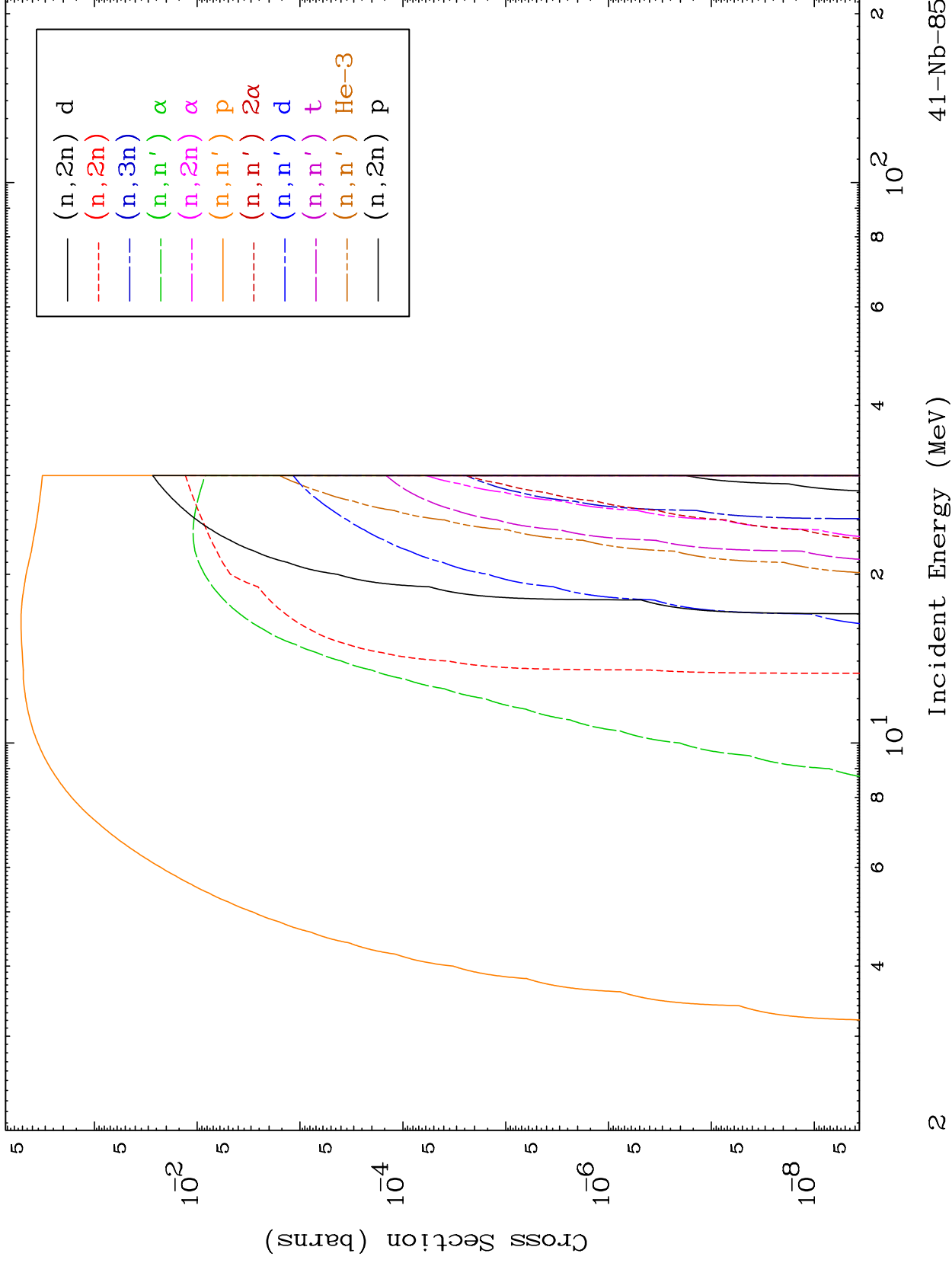
Press Mouse Button to Start

MAT 4101

Neutron Major
293 Kelvin Cross Sections

41-Nb-85

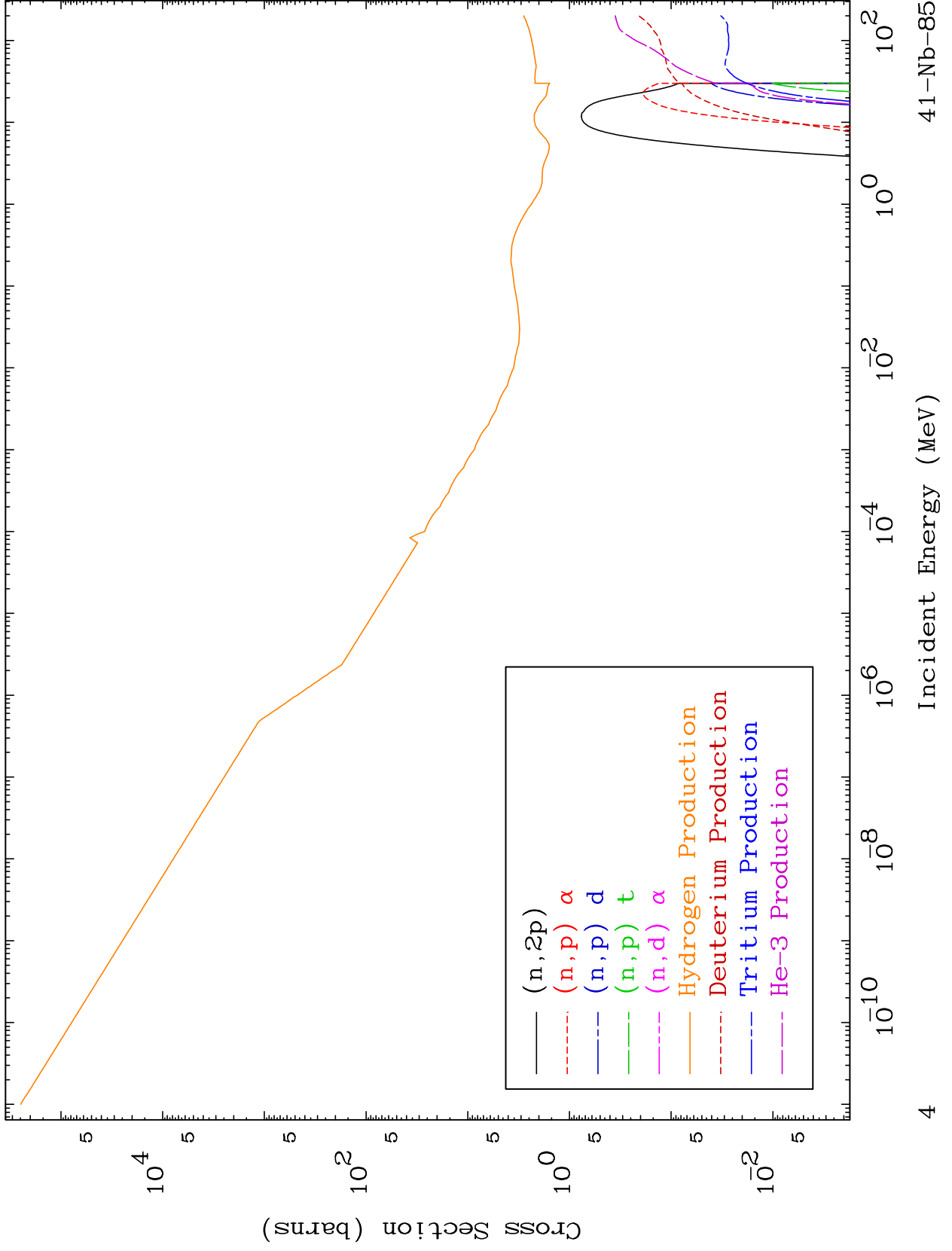




MAT 4101

Neutron Absorption
293 Kelvin Cross Sections

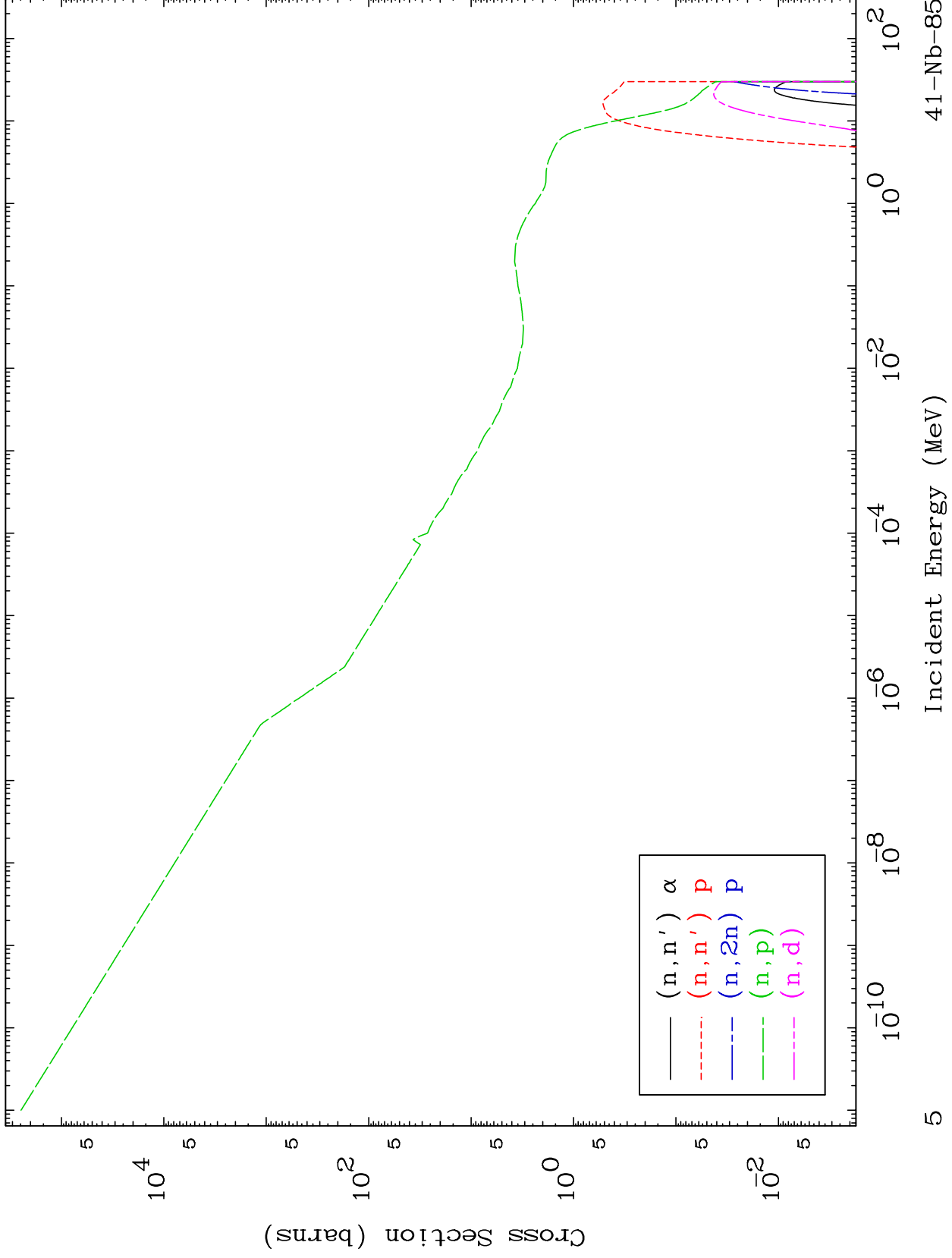
41-Nb-85



MAT 4101

Charged Particle
293 Kelvin Cross Sections

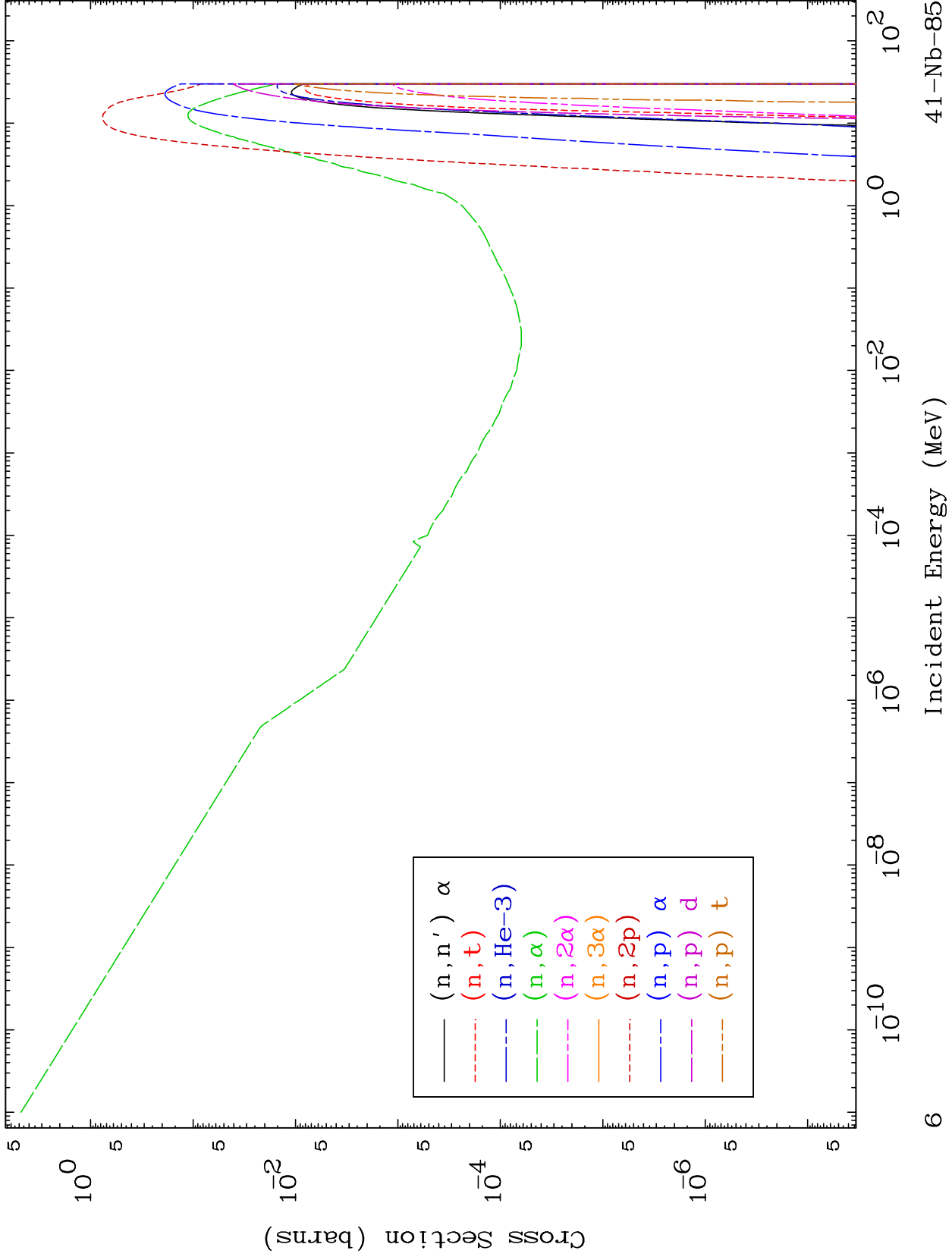
41-Nb-85



MAT 4101

Charged Particle
293 Kelvin Cross Sections

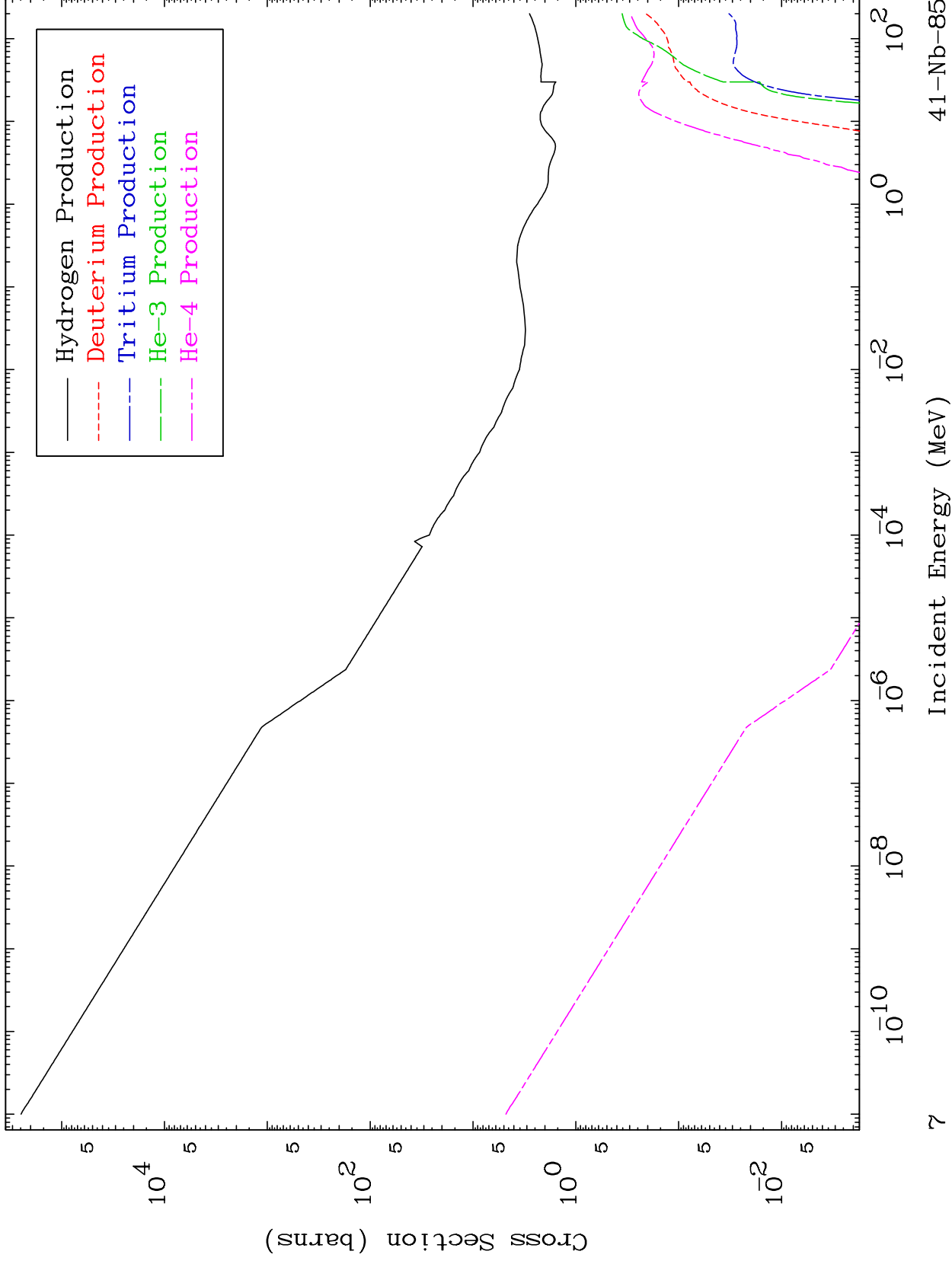
41-Nb-85

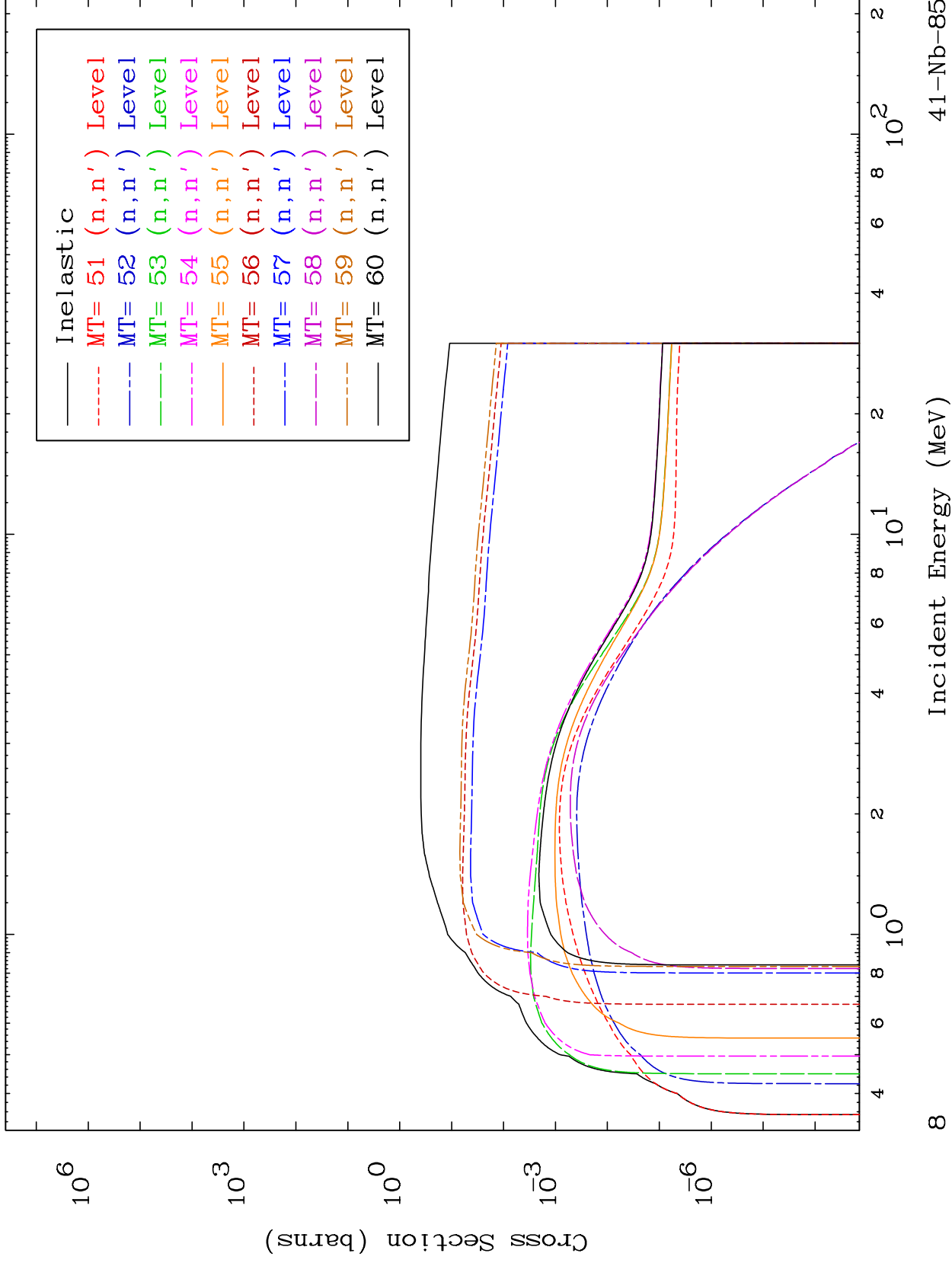


MAT 4101

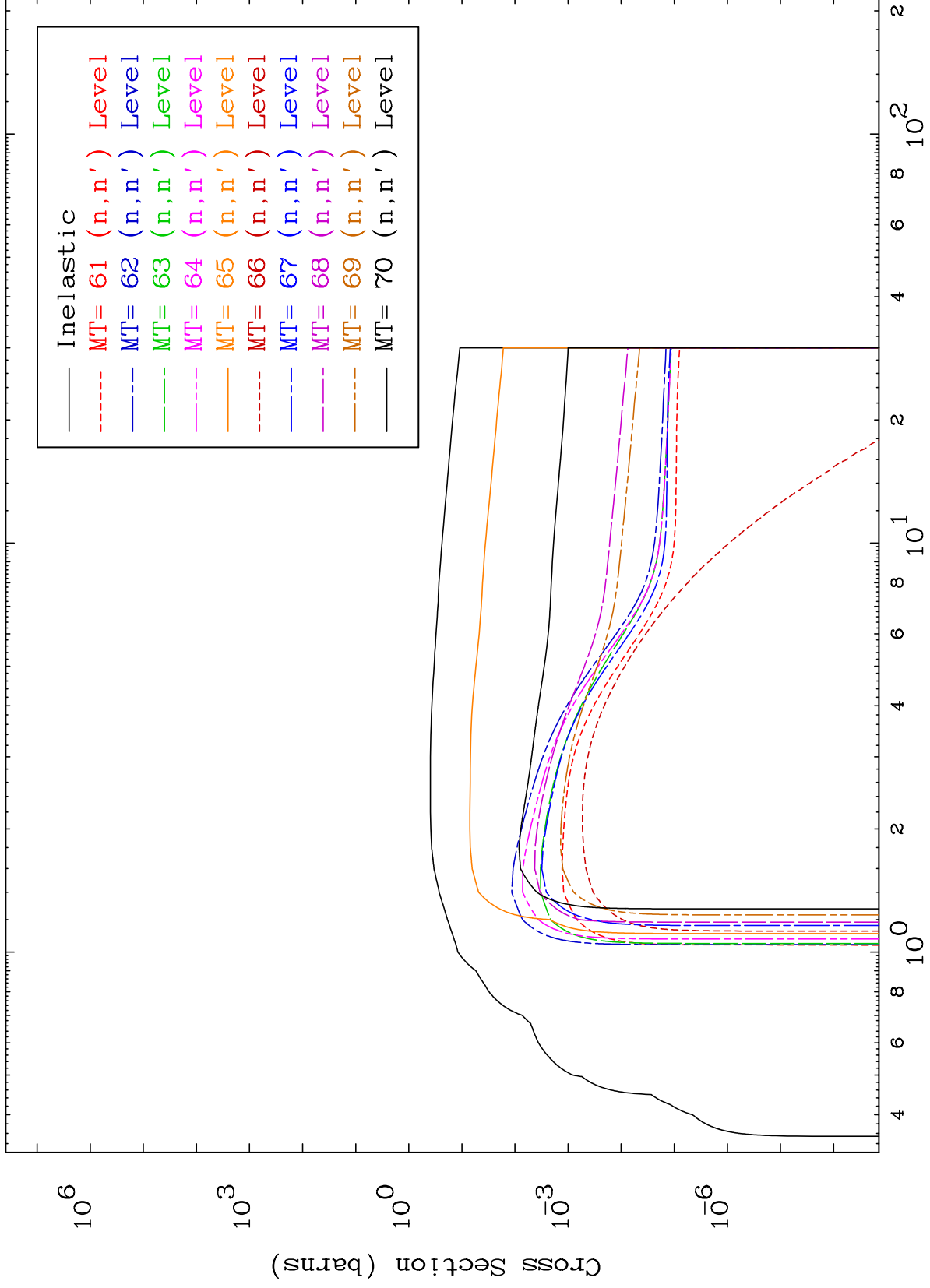
Particle Production
293 Kelvin Cross Sections

41-Nb-85





293 Kelvin Cross Sections

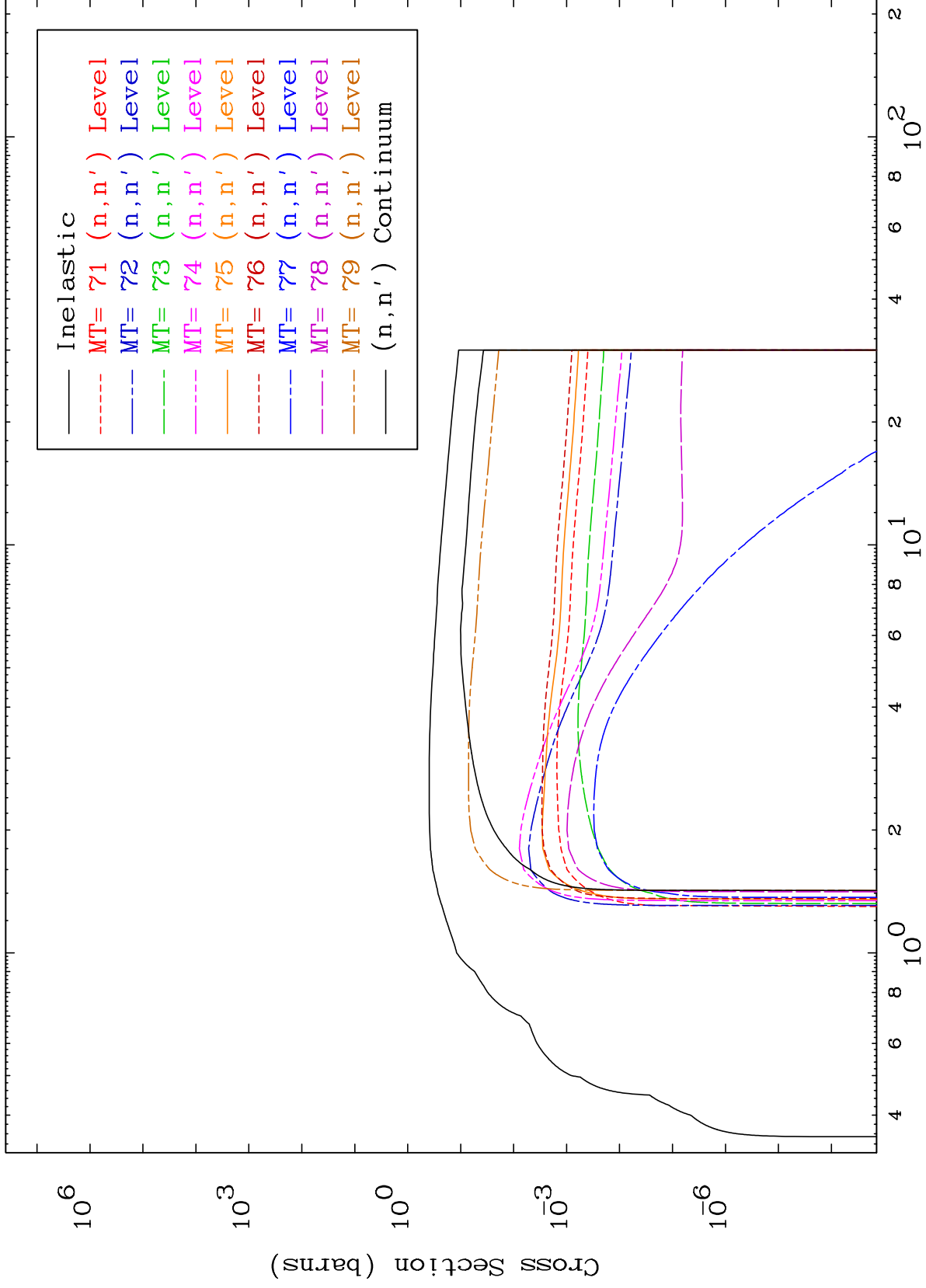


MAT 4101

(n,n') Levels

293 Kelvin Cross Sections

41-Nb-85



10

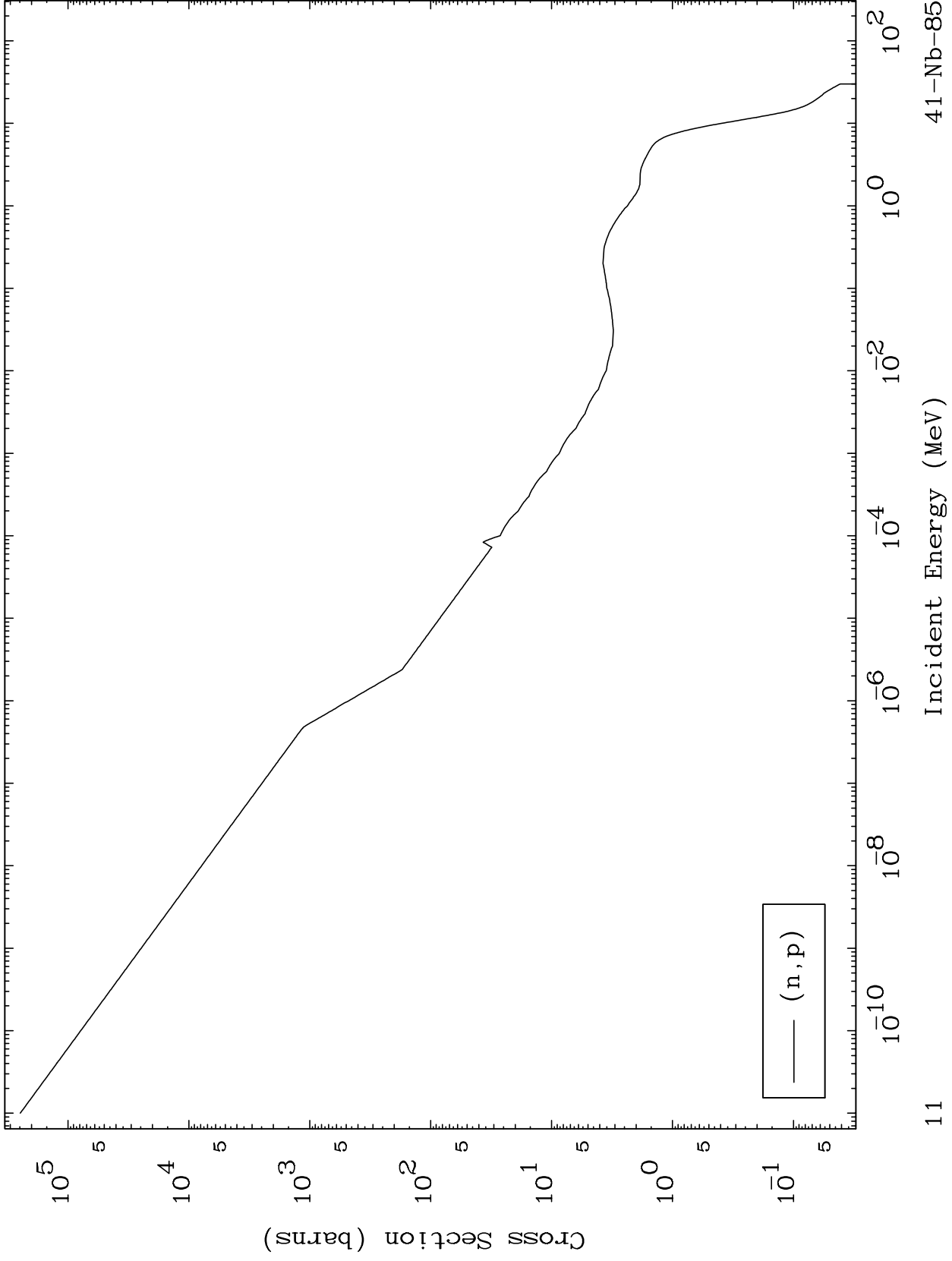
Incident Energy (MeV)

41-Nb-85

MAT 4101

(n,p) Levels
293 Kelvin Cross Sections

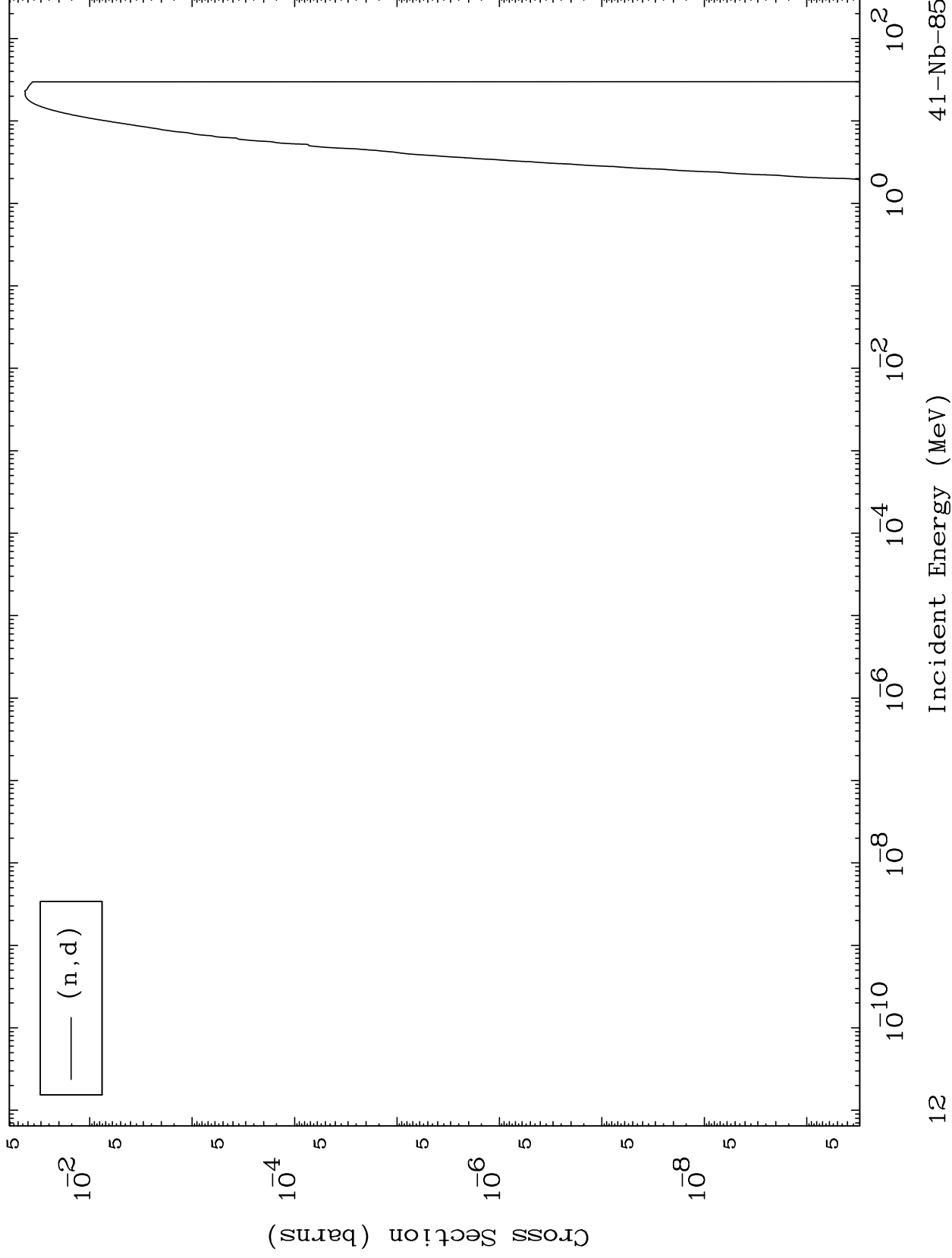
41-Nb-85



MAT 4101

(n,d) Levels
293 Kelvin Cross Sections

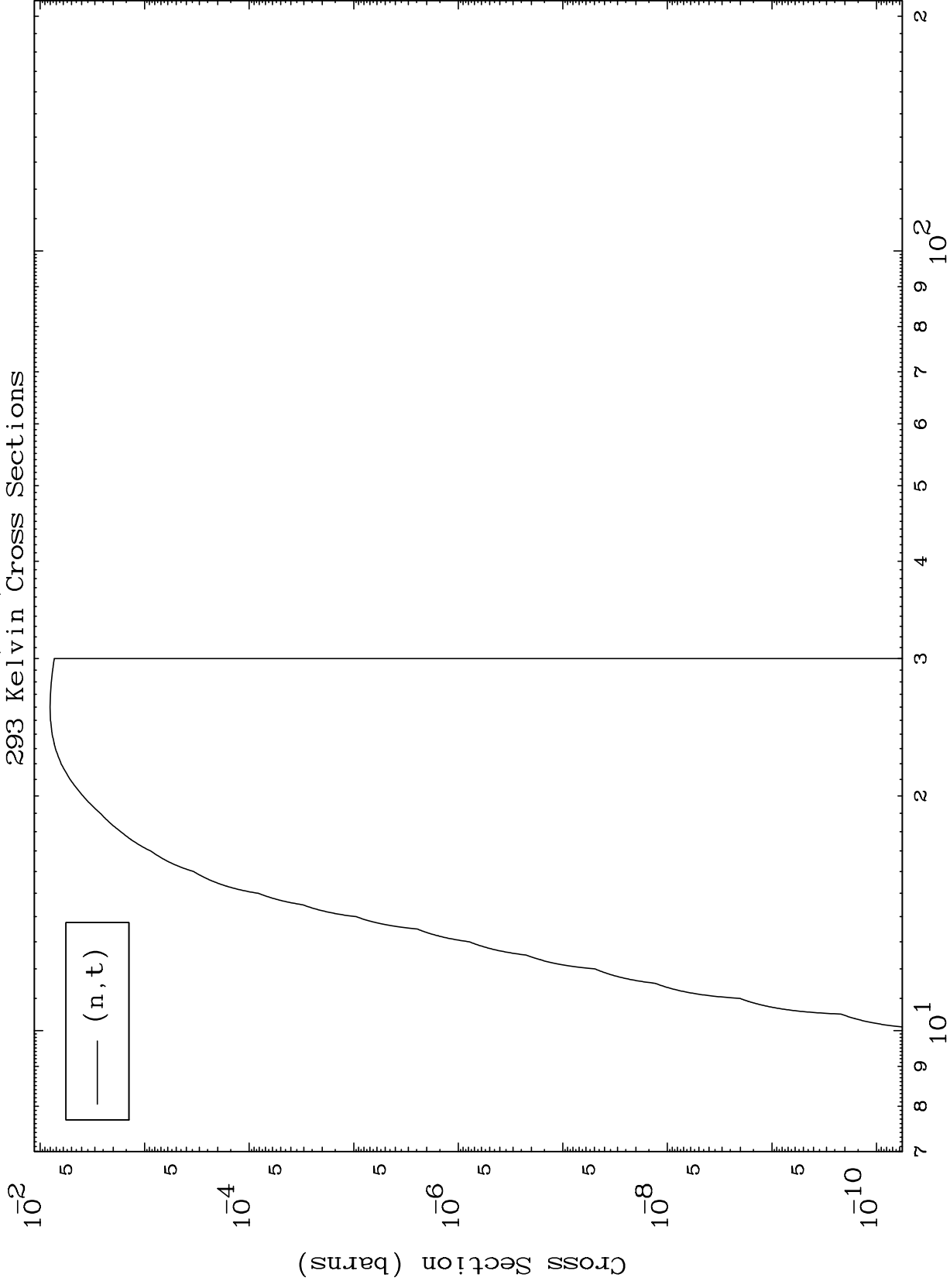
41-Nb-85



MAT 4101

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-85



13

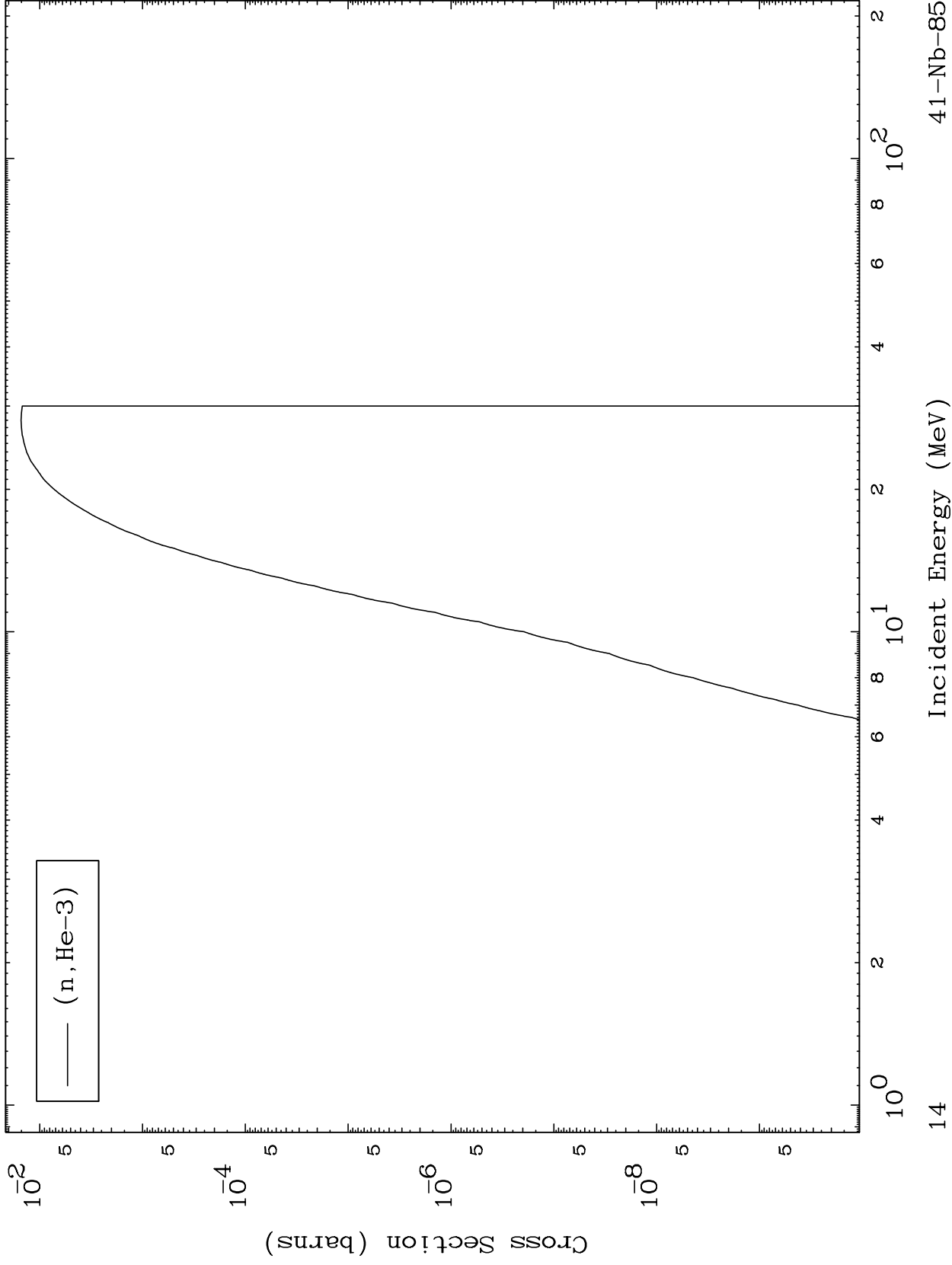
Incident Energy (MeV)

41-Nb-85

MAT 4101

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-85



14

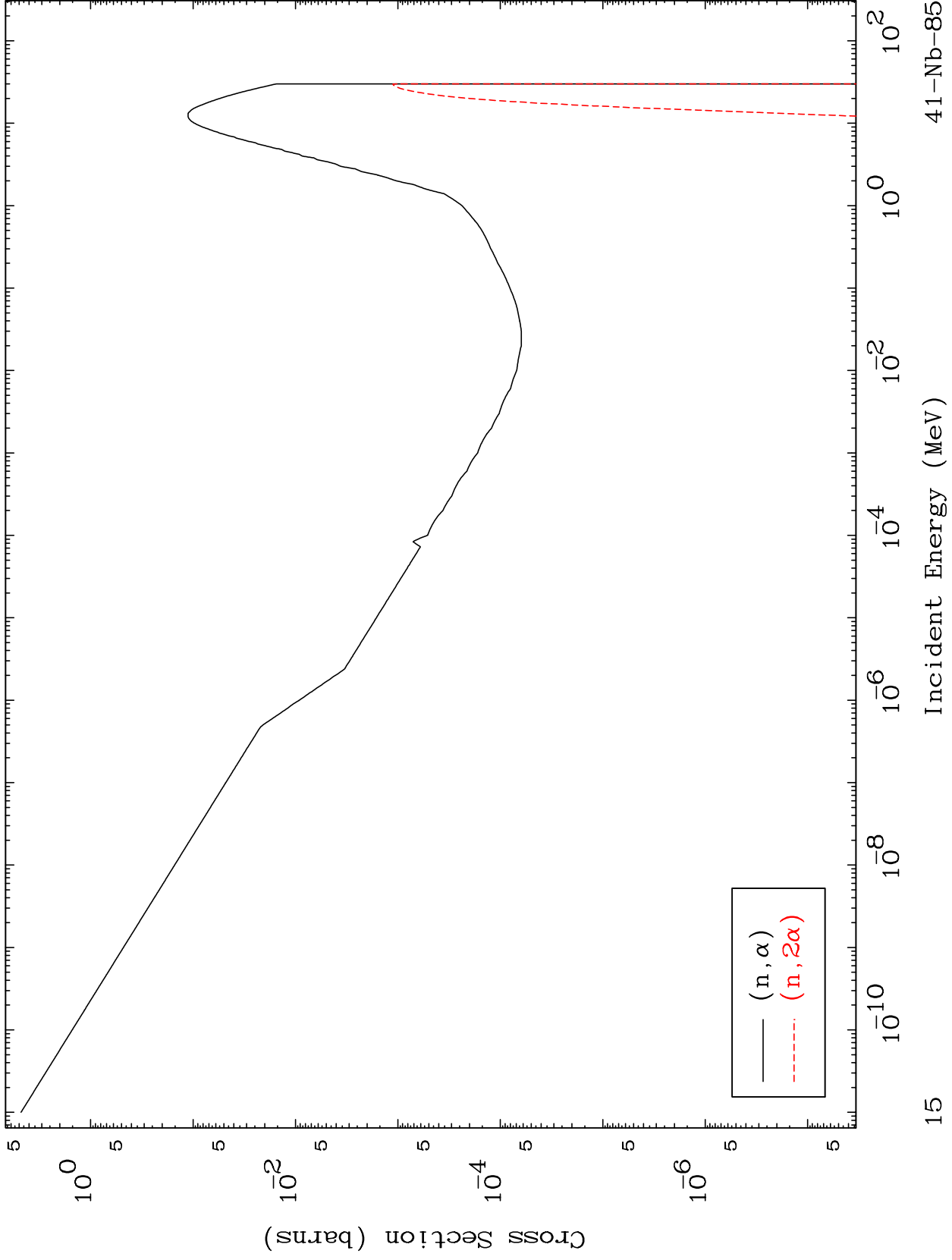
Incident Energy (MeV)

41-Nb-85

MAT 4101

(n,α) Levels
293 Kelvin Cross Sections

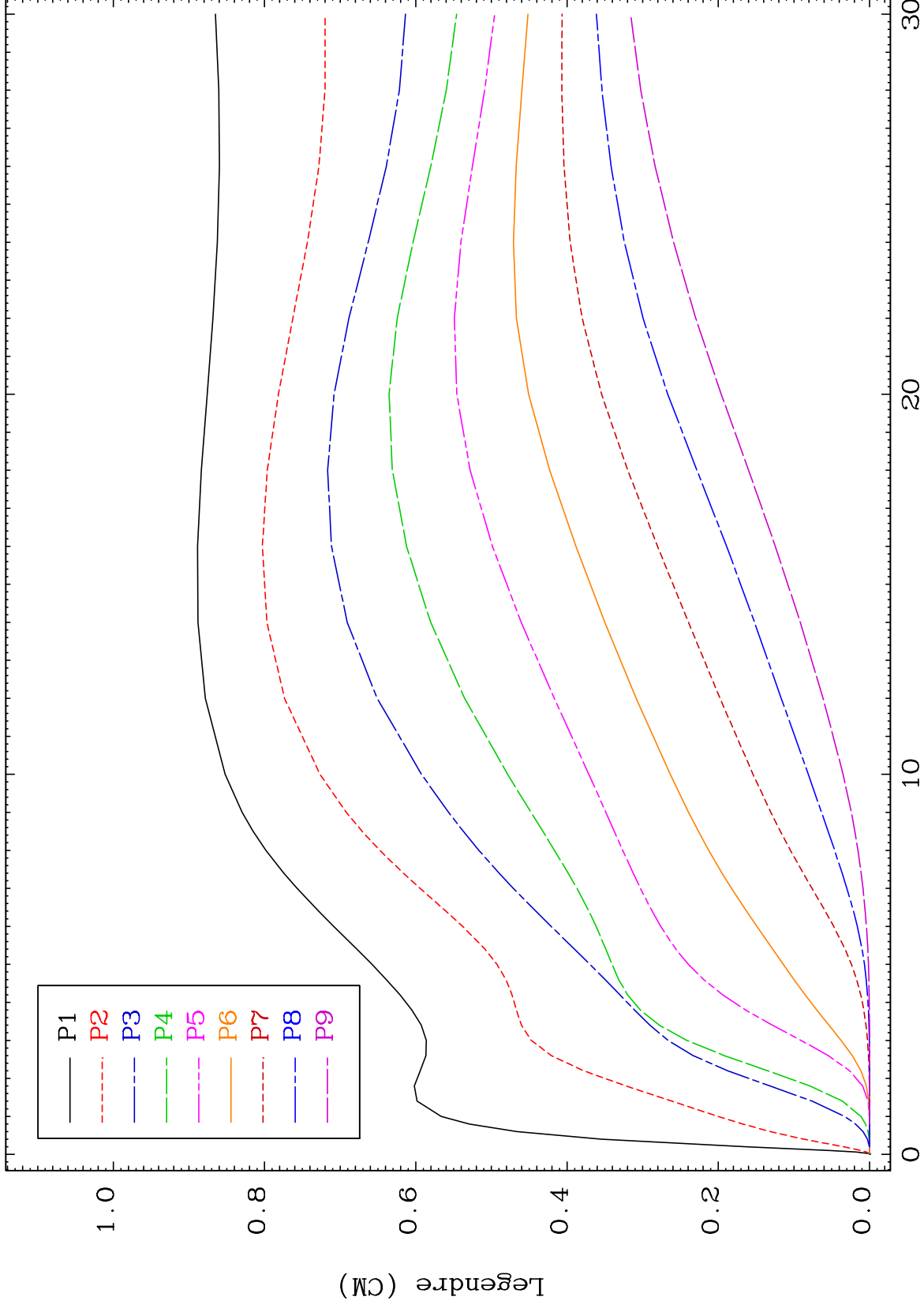
41-Nb-85



MAT 4101

Elastic Legendre Coefficients

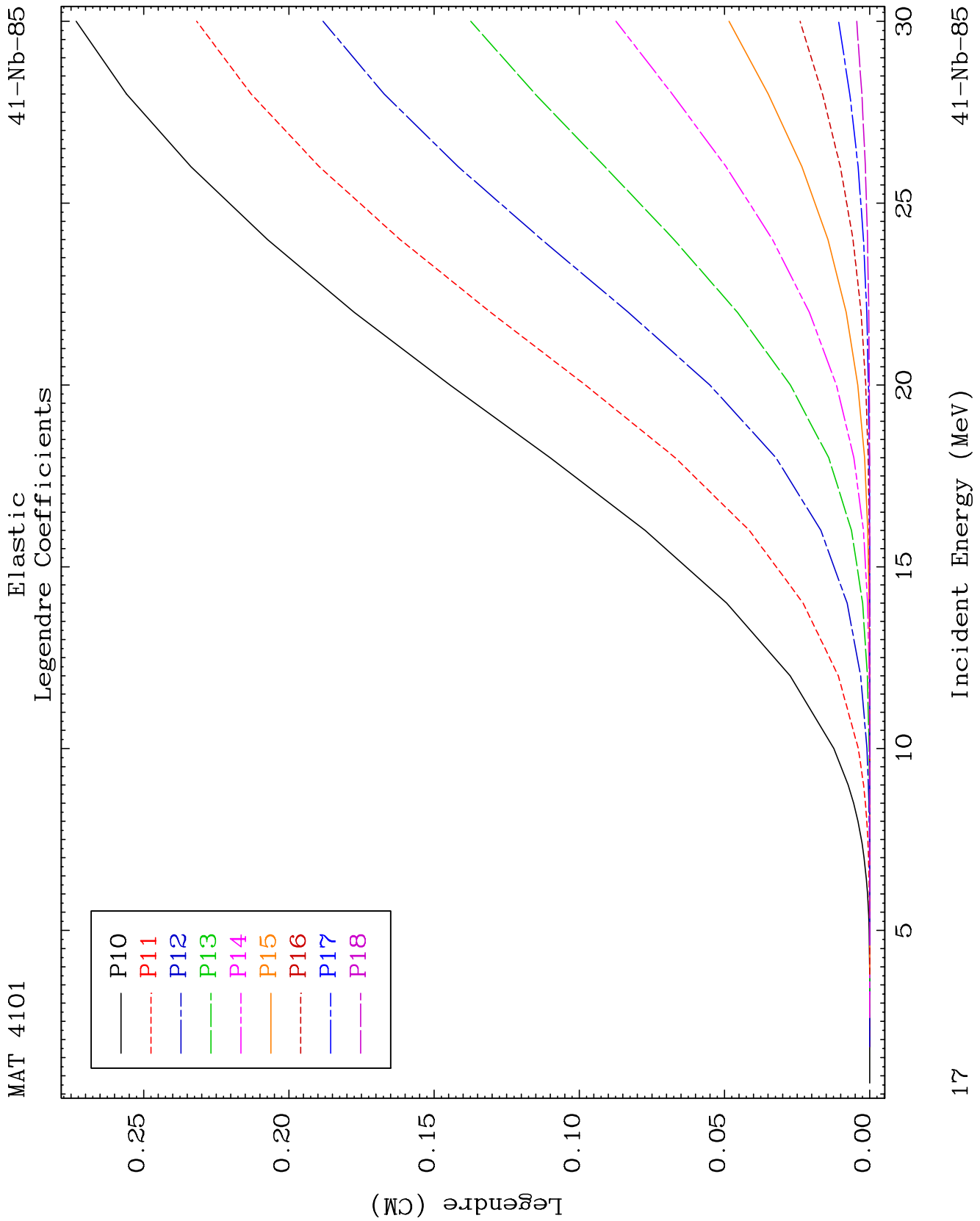
41-Nb-85



16

Incident Energy (MeV)

41-Nb-85

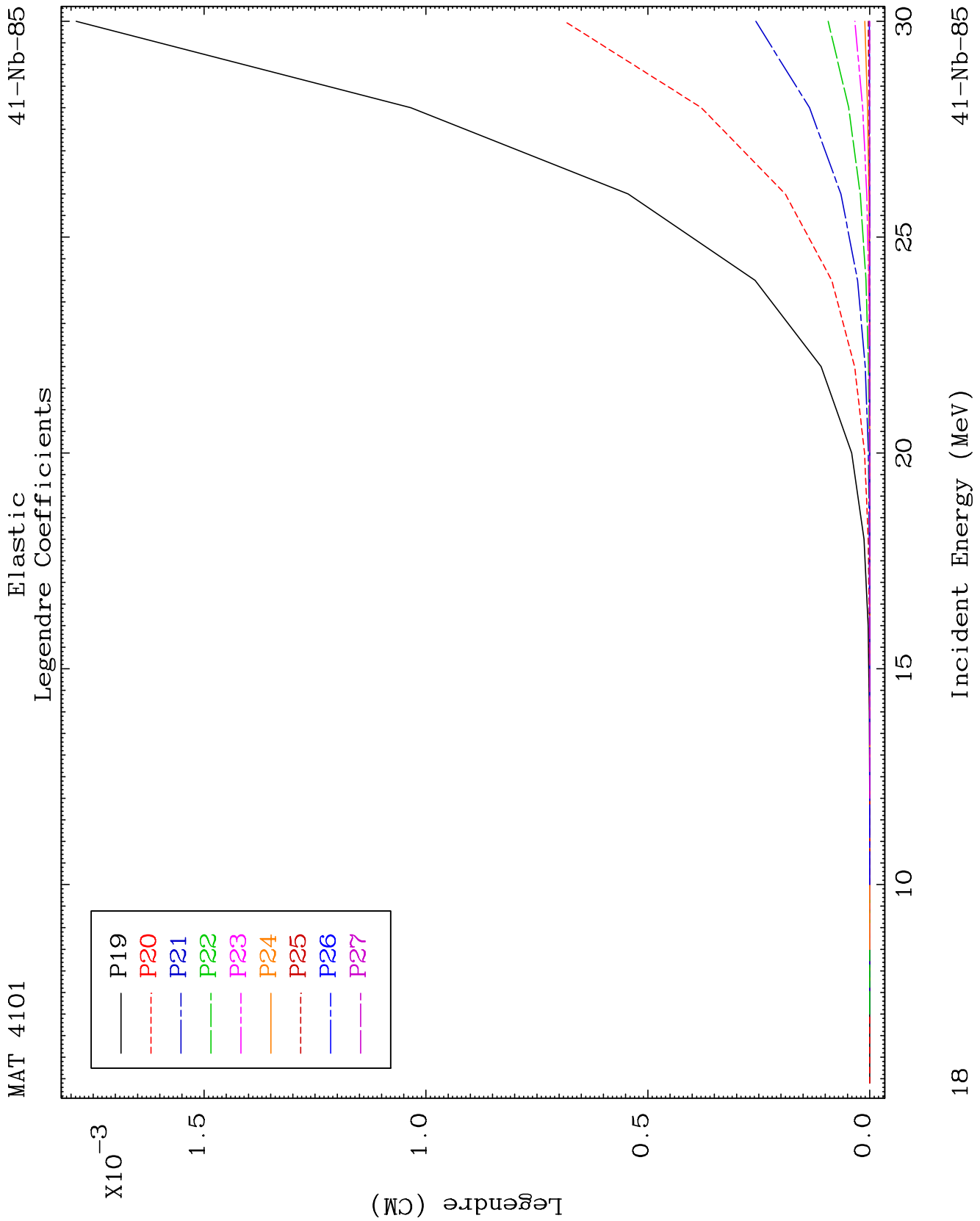


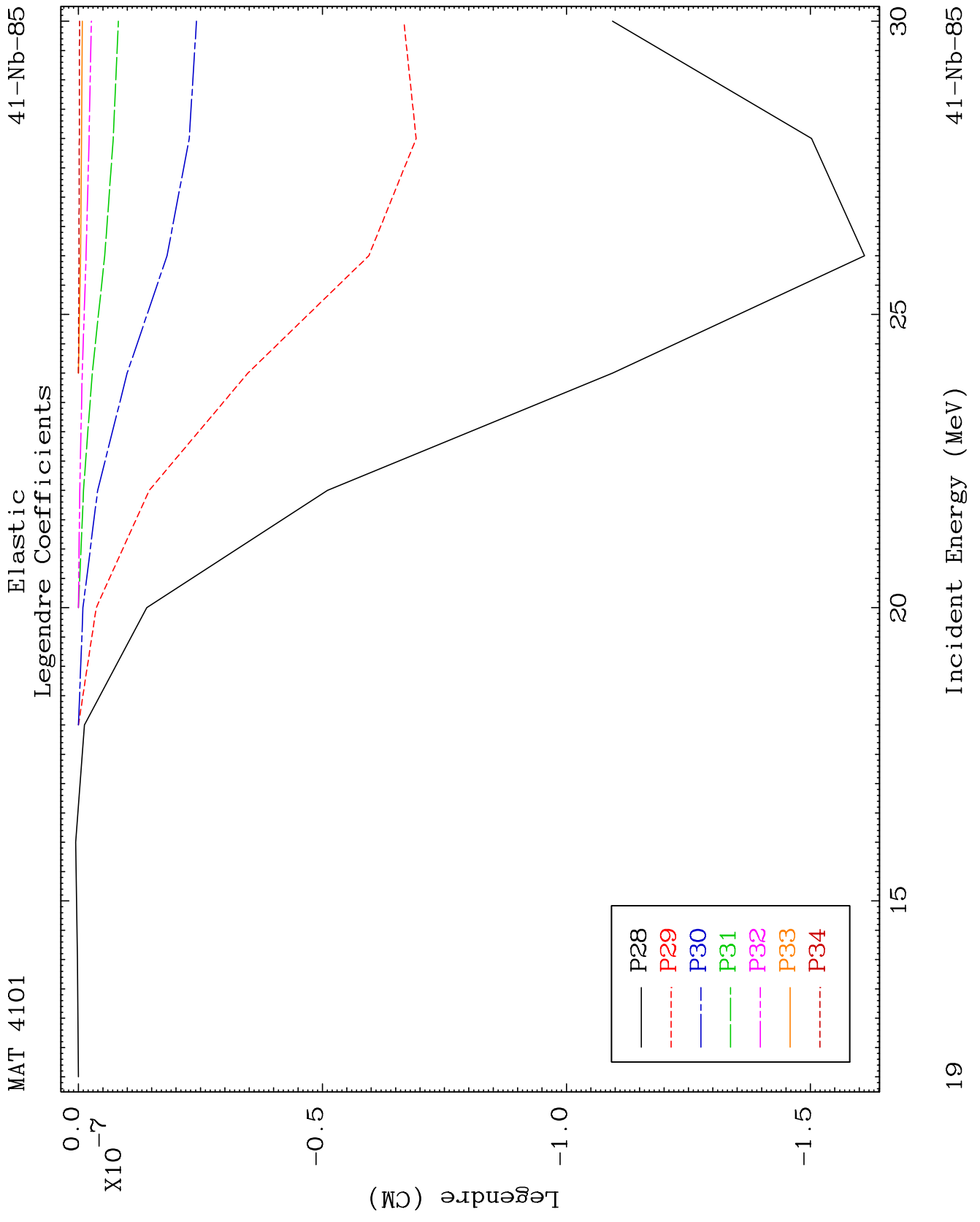
MAT 4101

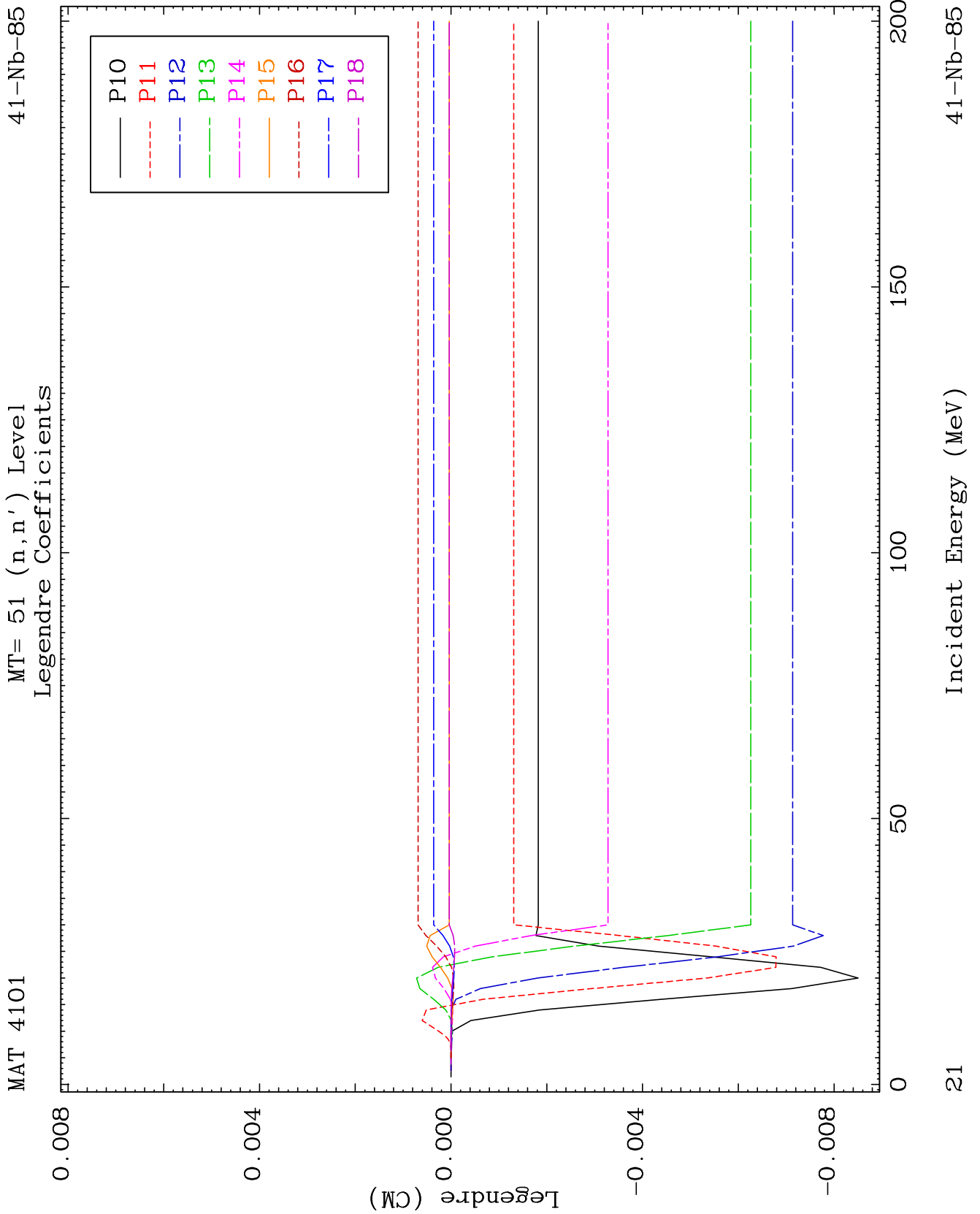
41-Nb-85

17

41-Nb-85



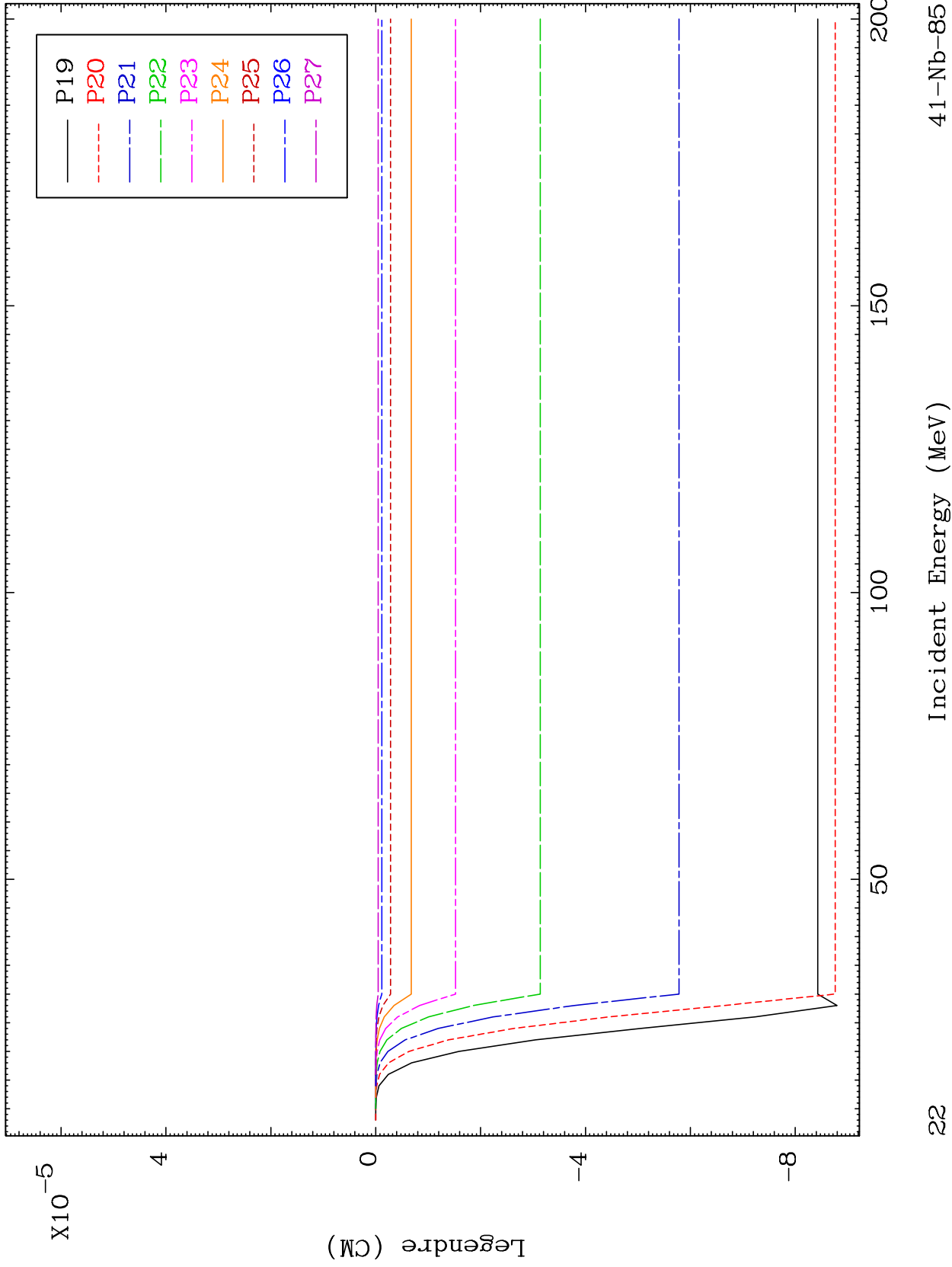




MAT 4101

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

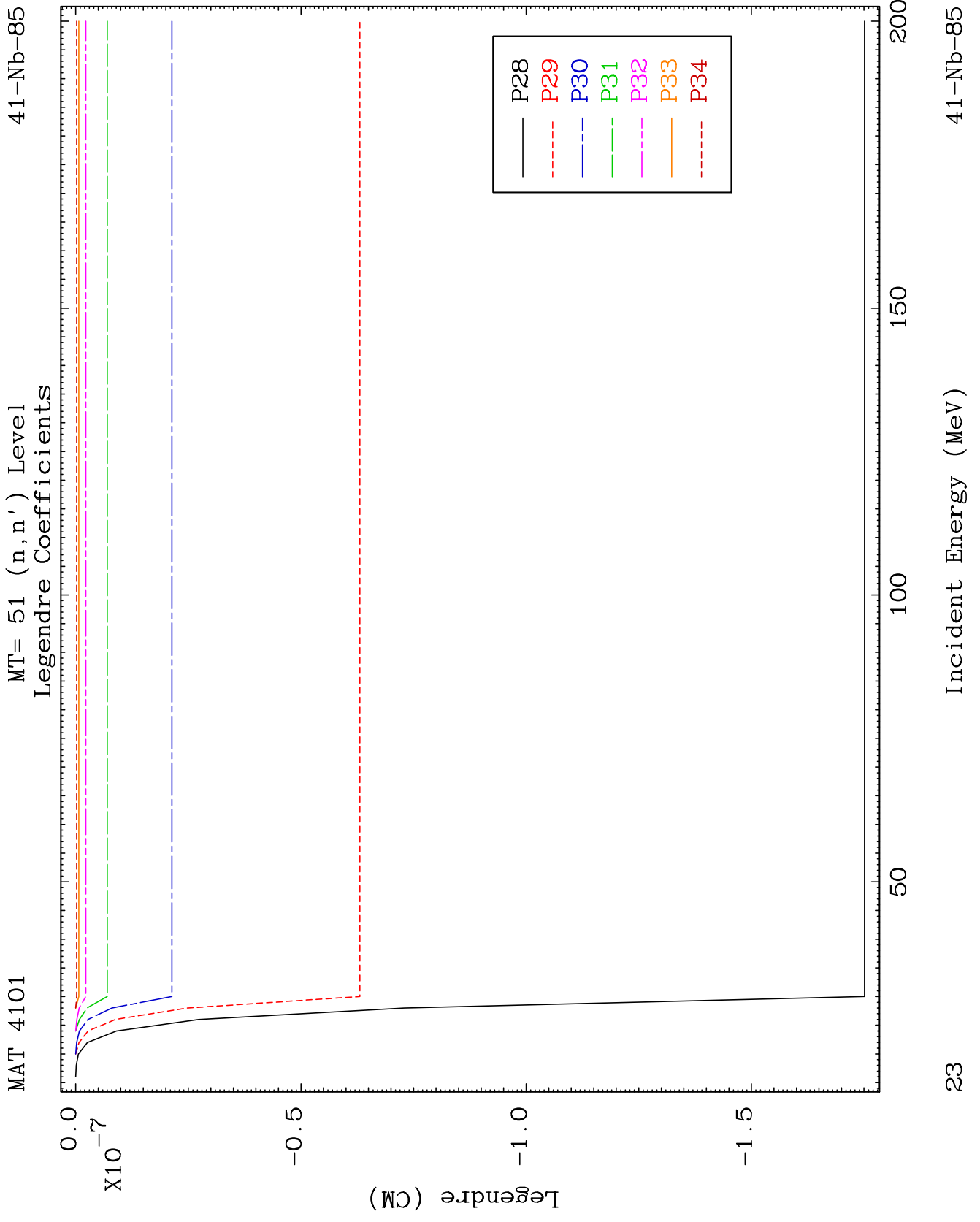
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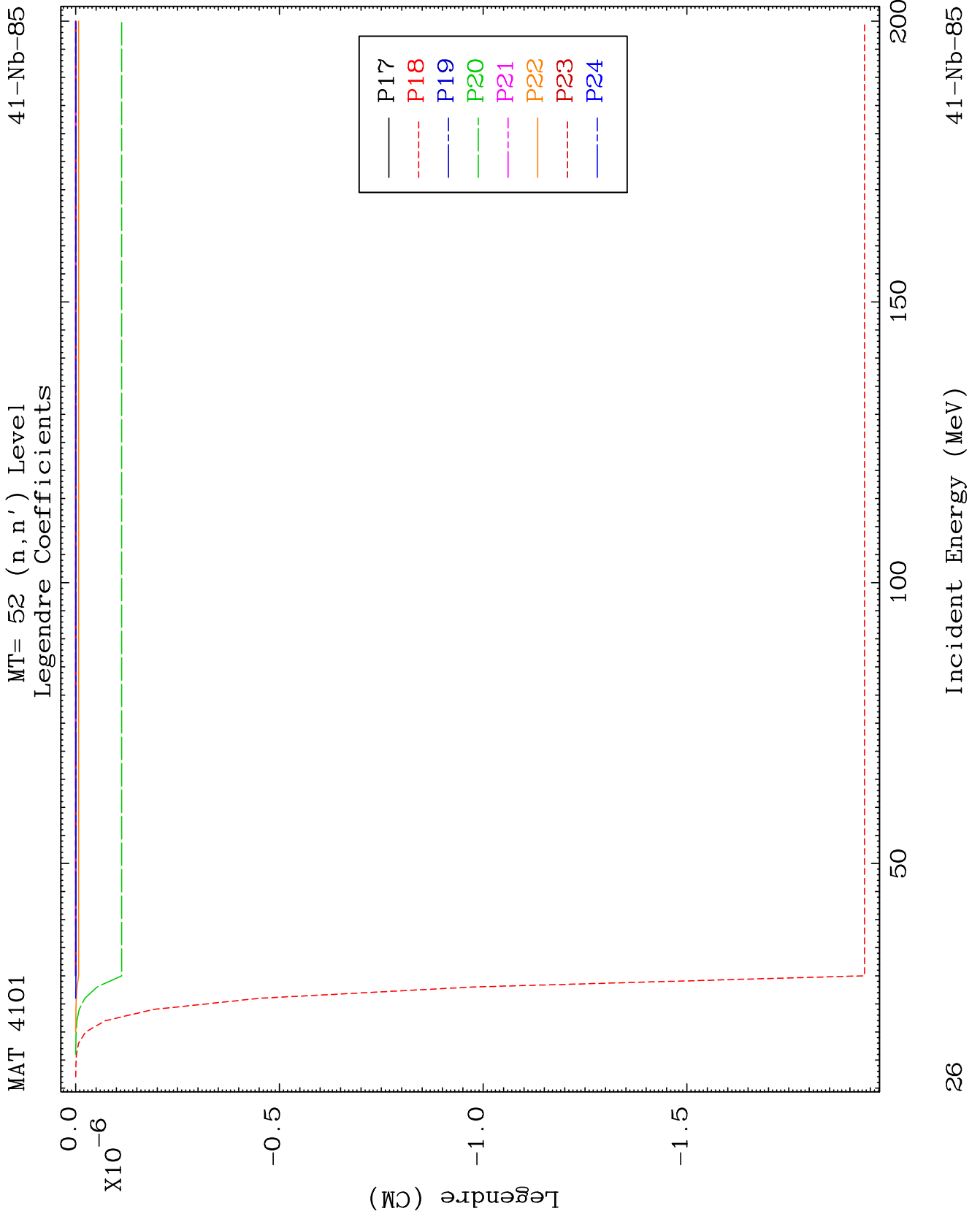


22

Incident Energy (MeV)

41-Nb-85

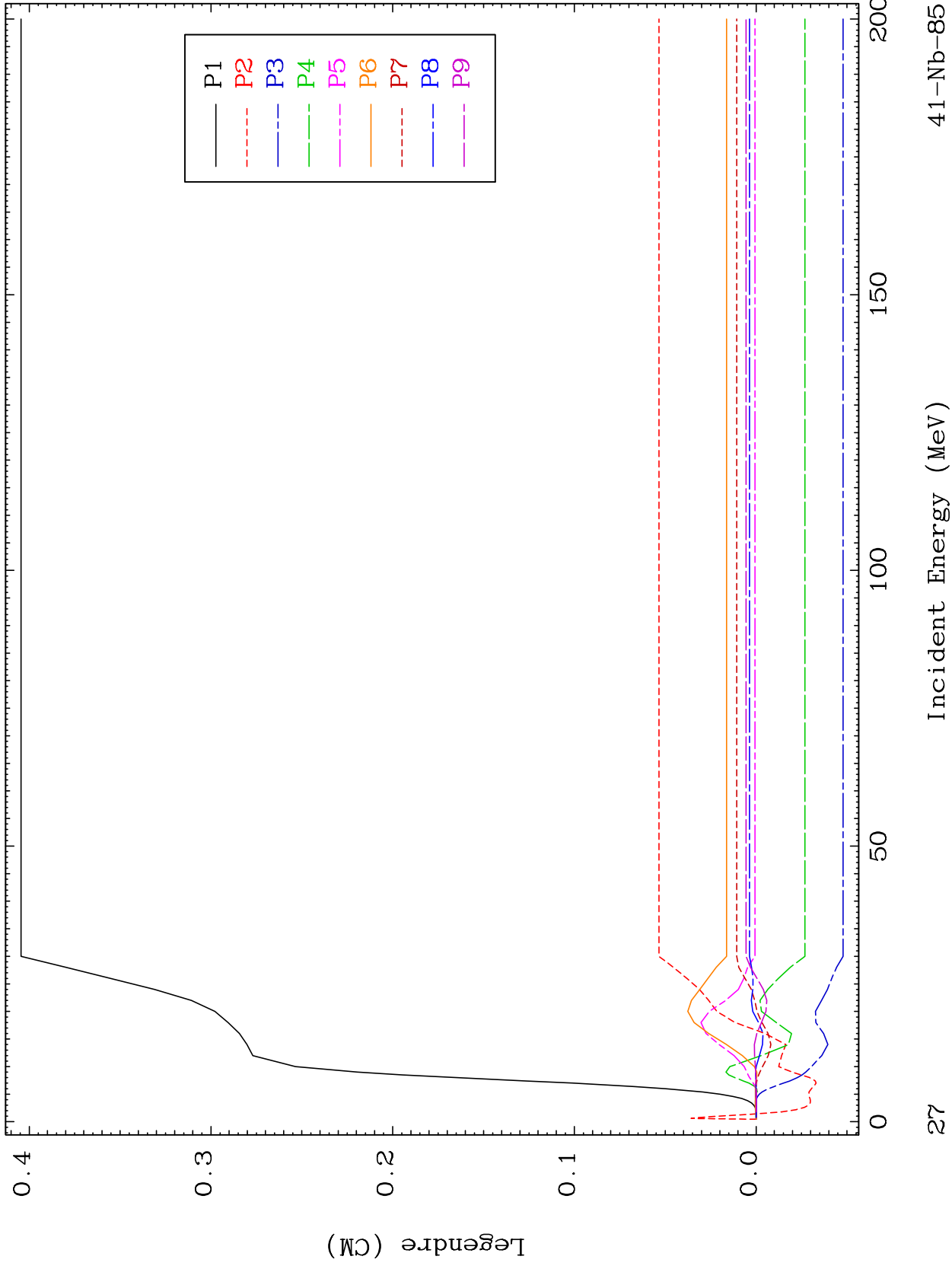




MAT 4101

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

41-Nb-85



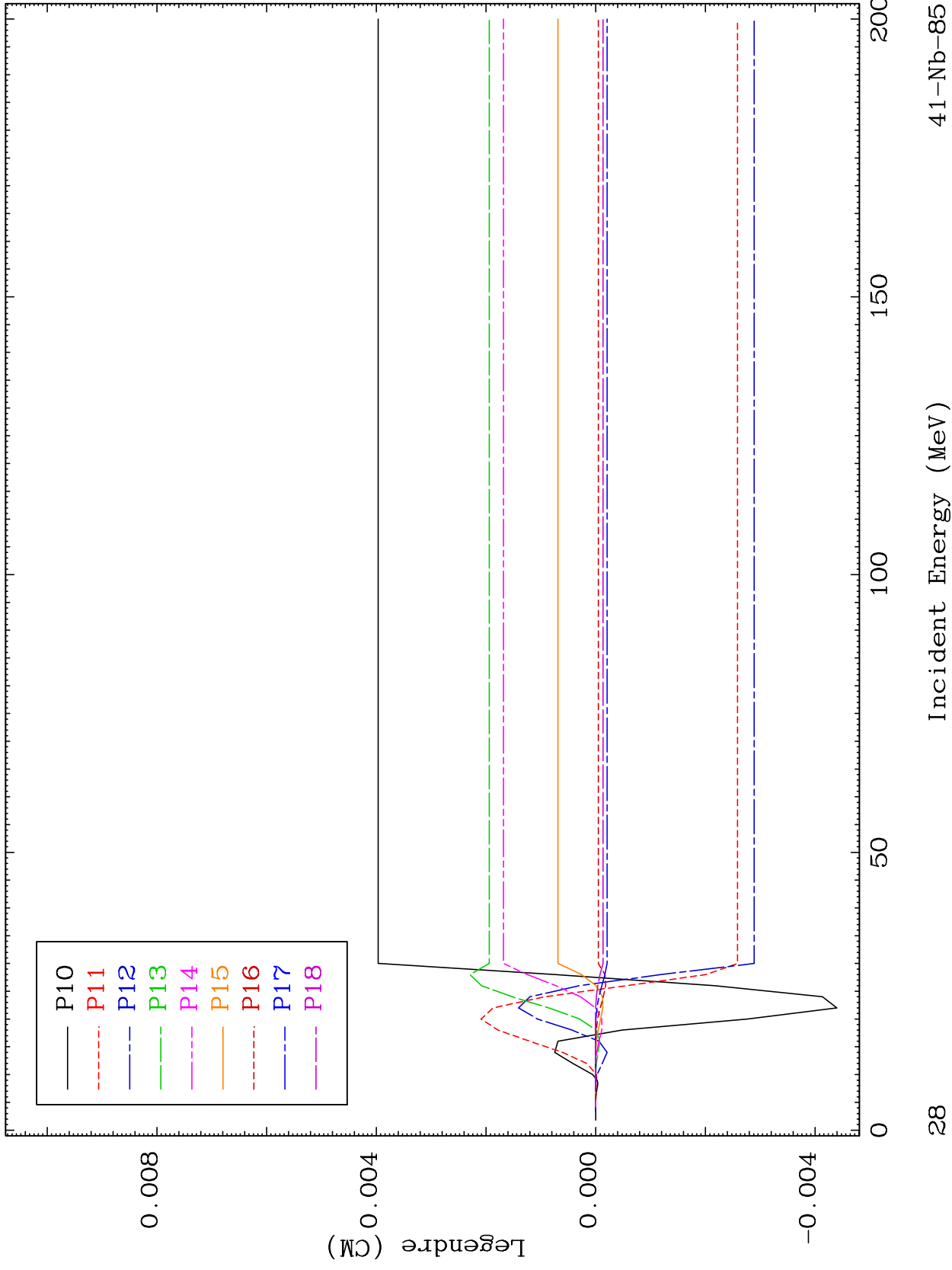
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41-Nb-85

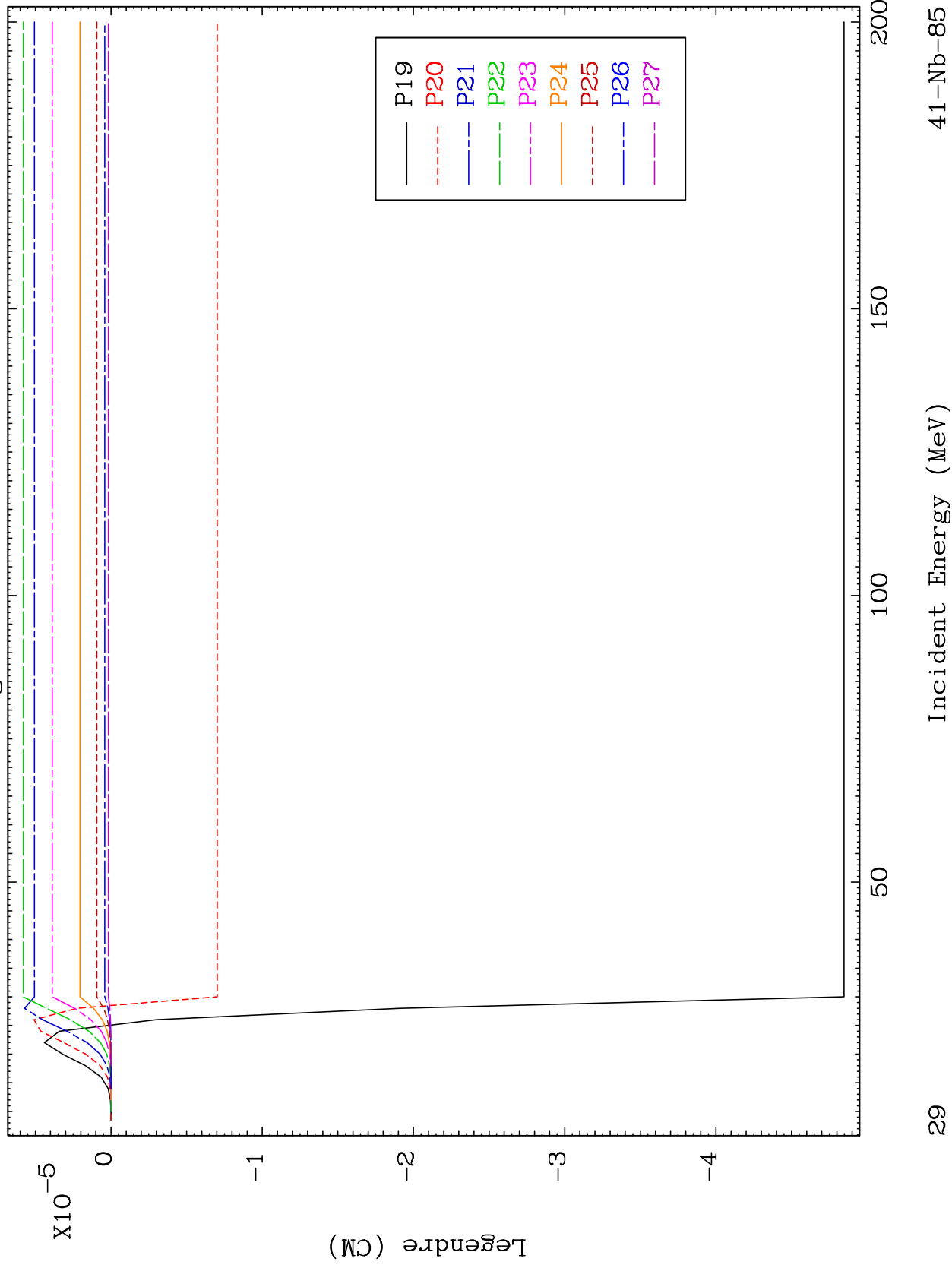
MAT 4101

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

41-Nb-85



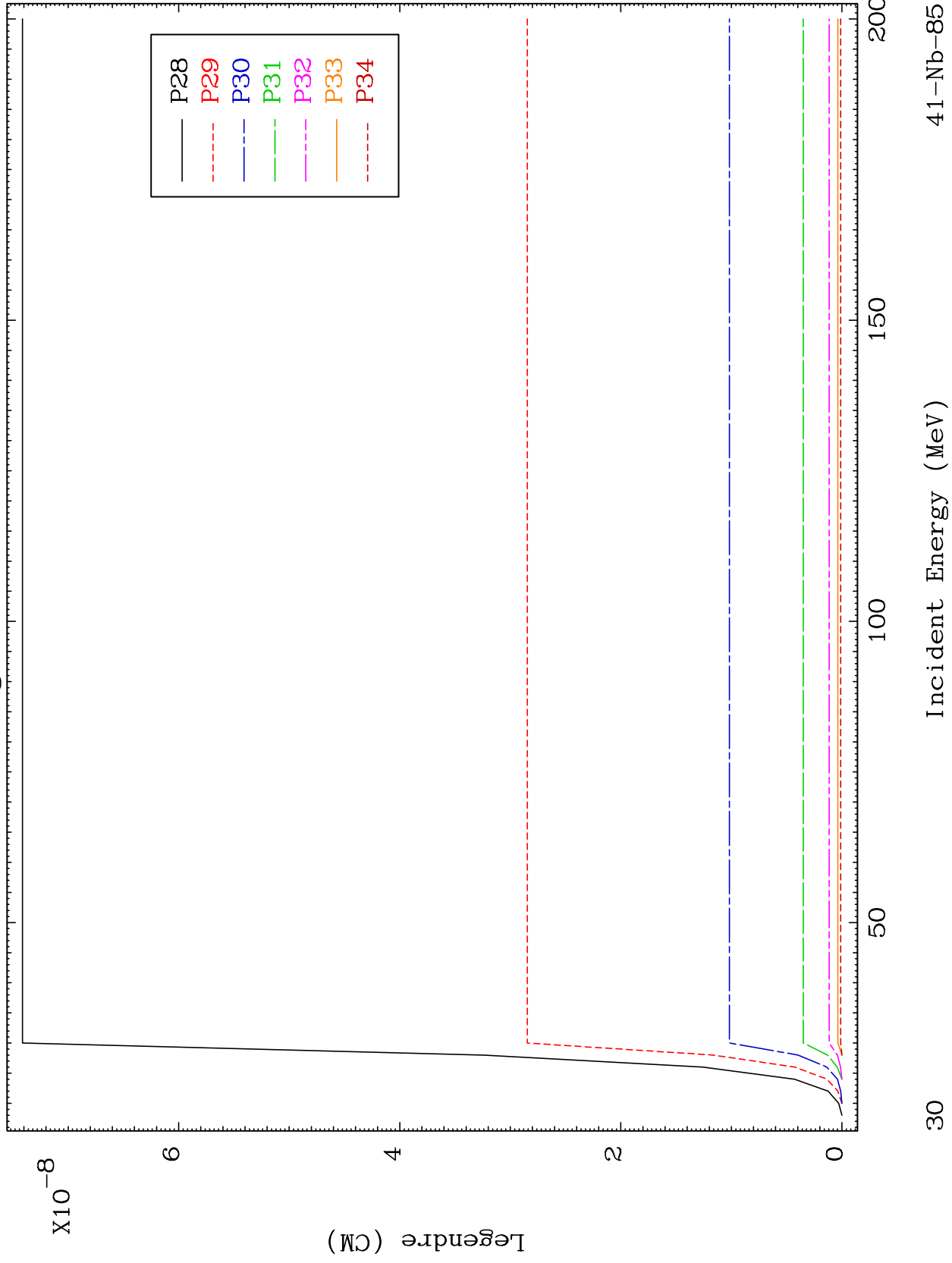
28



MAT 4101

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

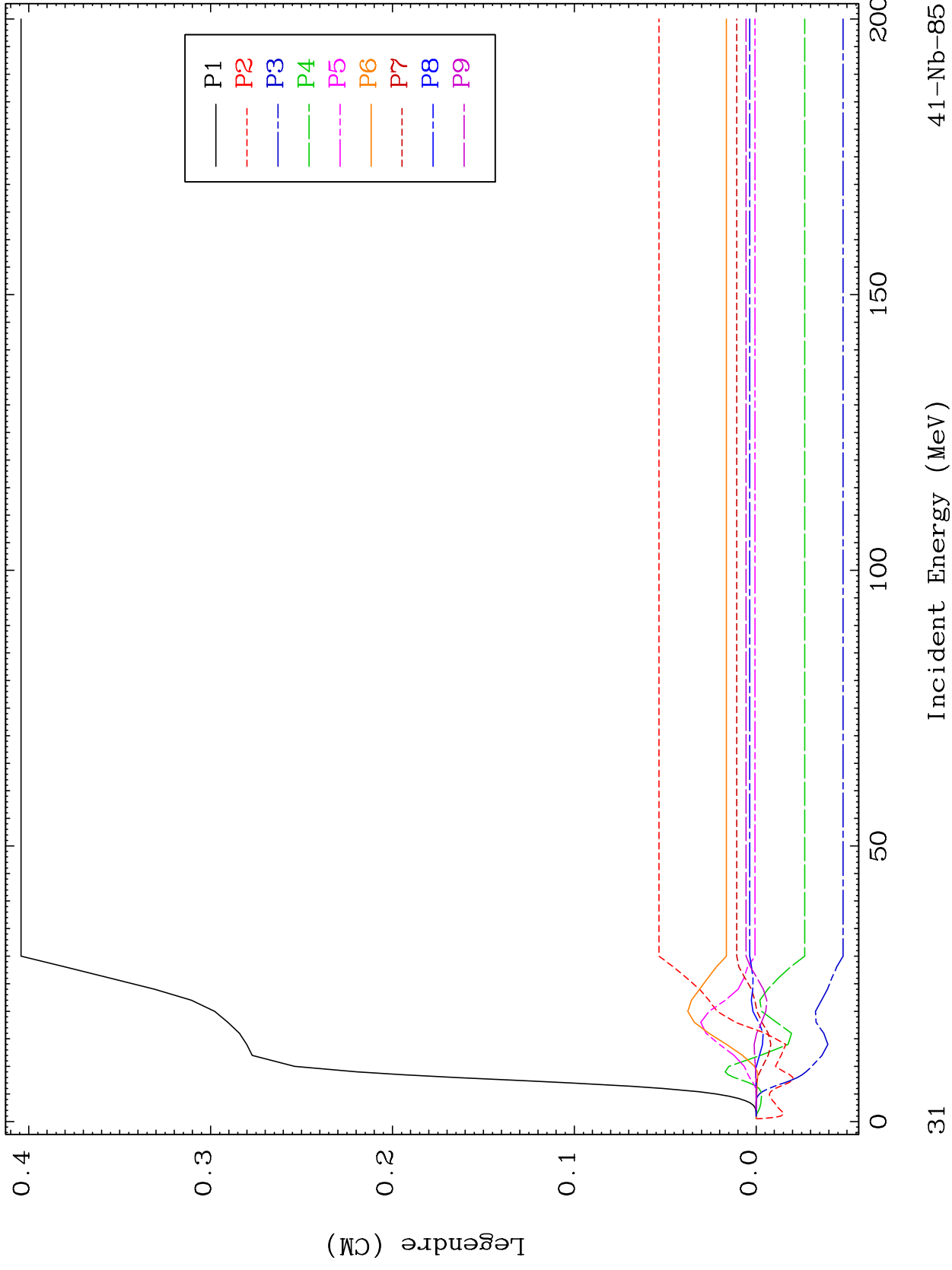
41-Nb-85



MAT 4101

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

41-Nb-85

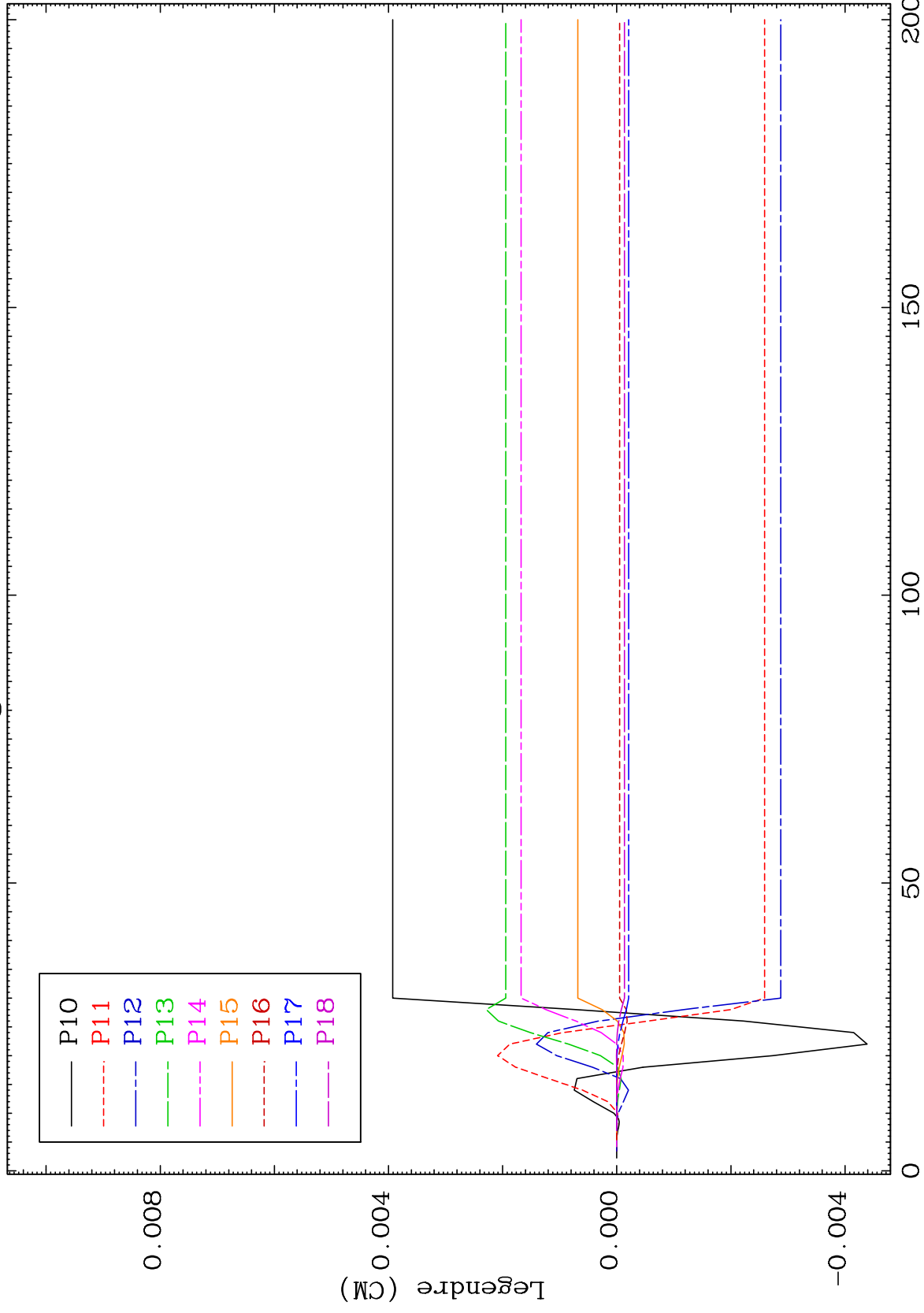


31

MAT 4101

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

41-Nb-85



32

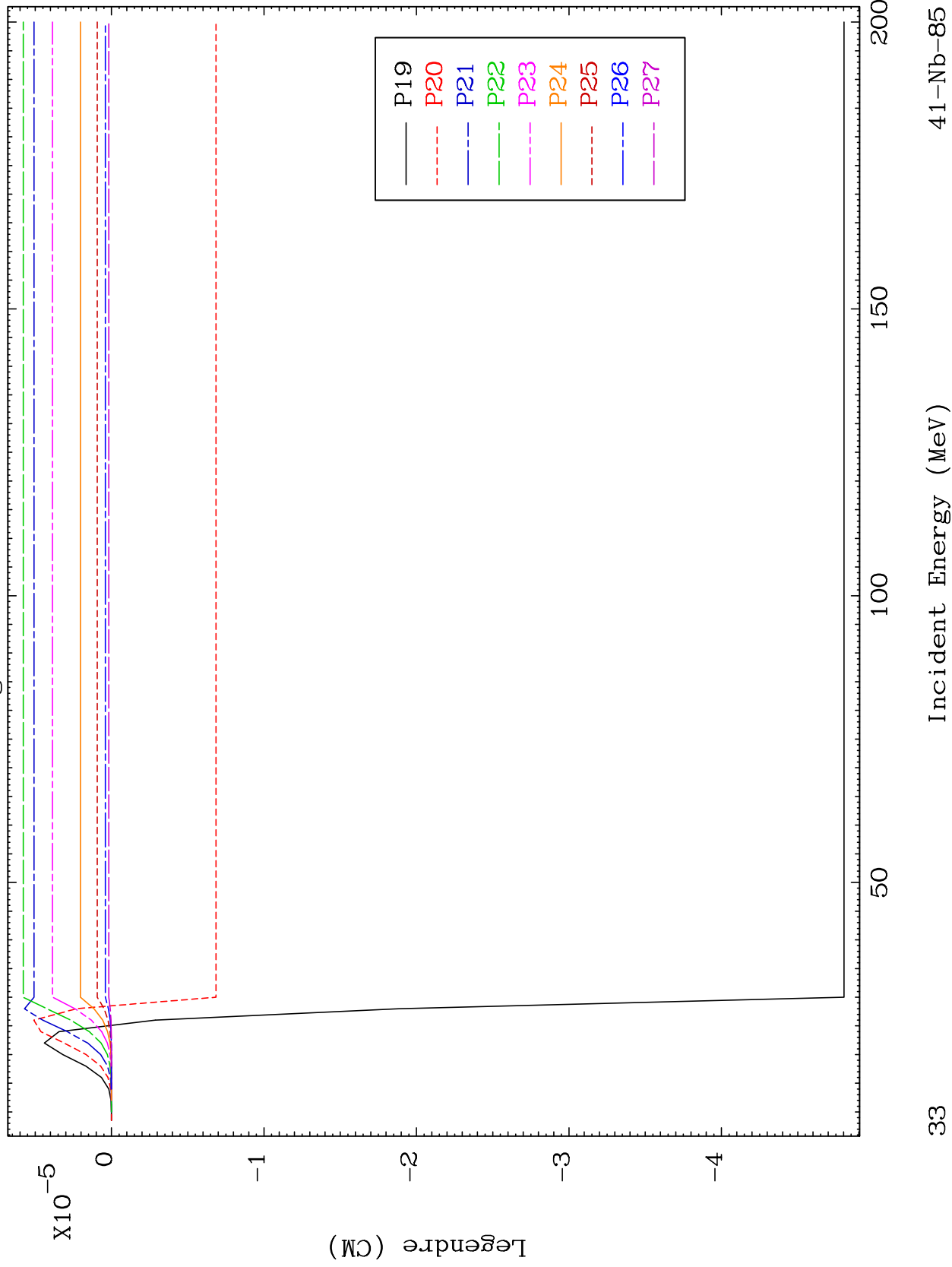
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



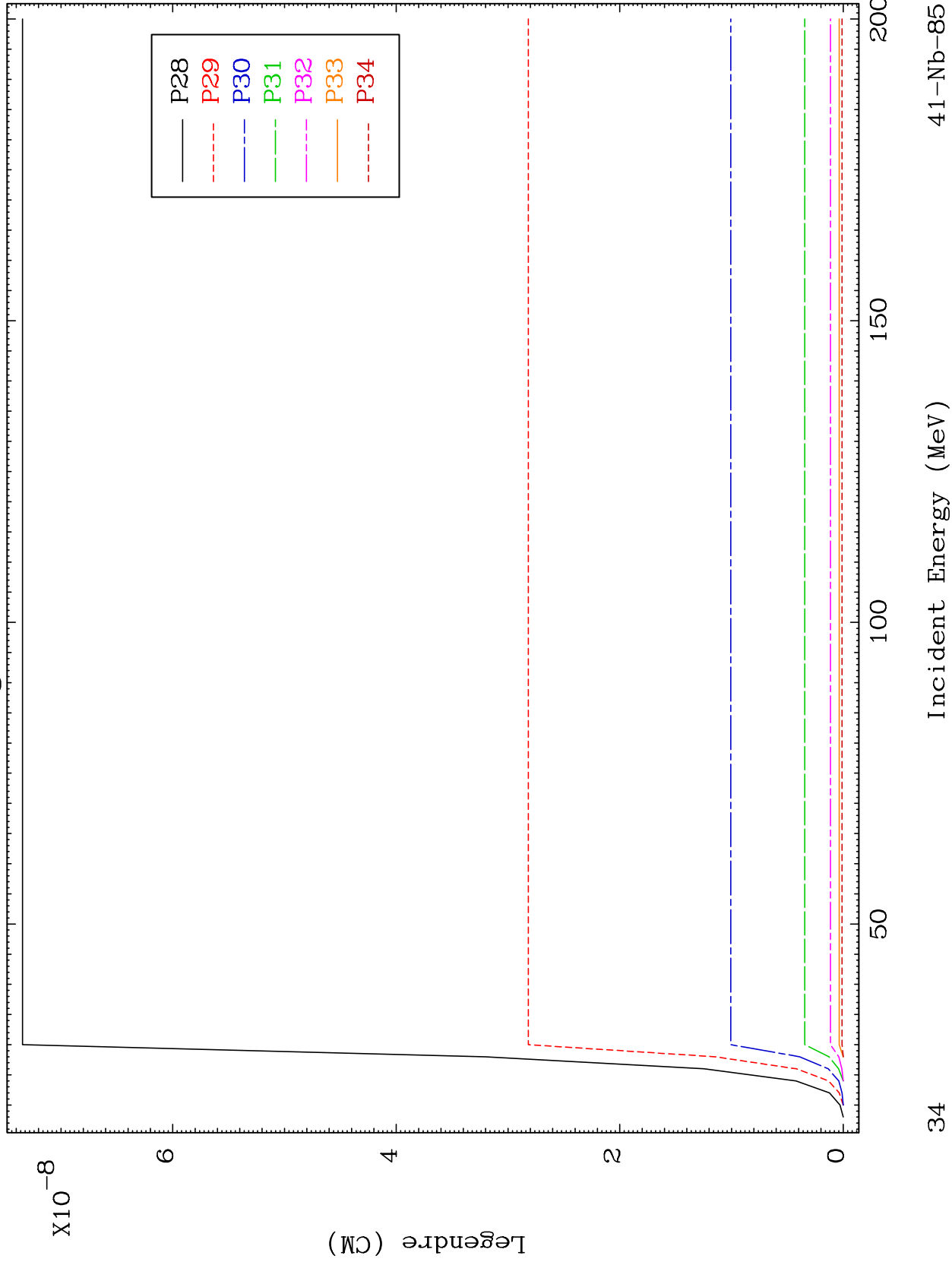
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41-Nb-85

MAT 4101

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

41-Nb-85



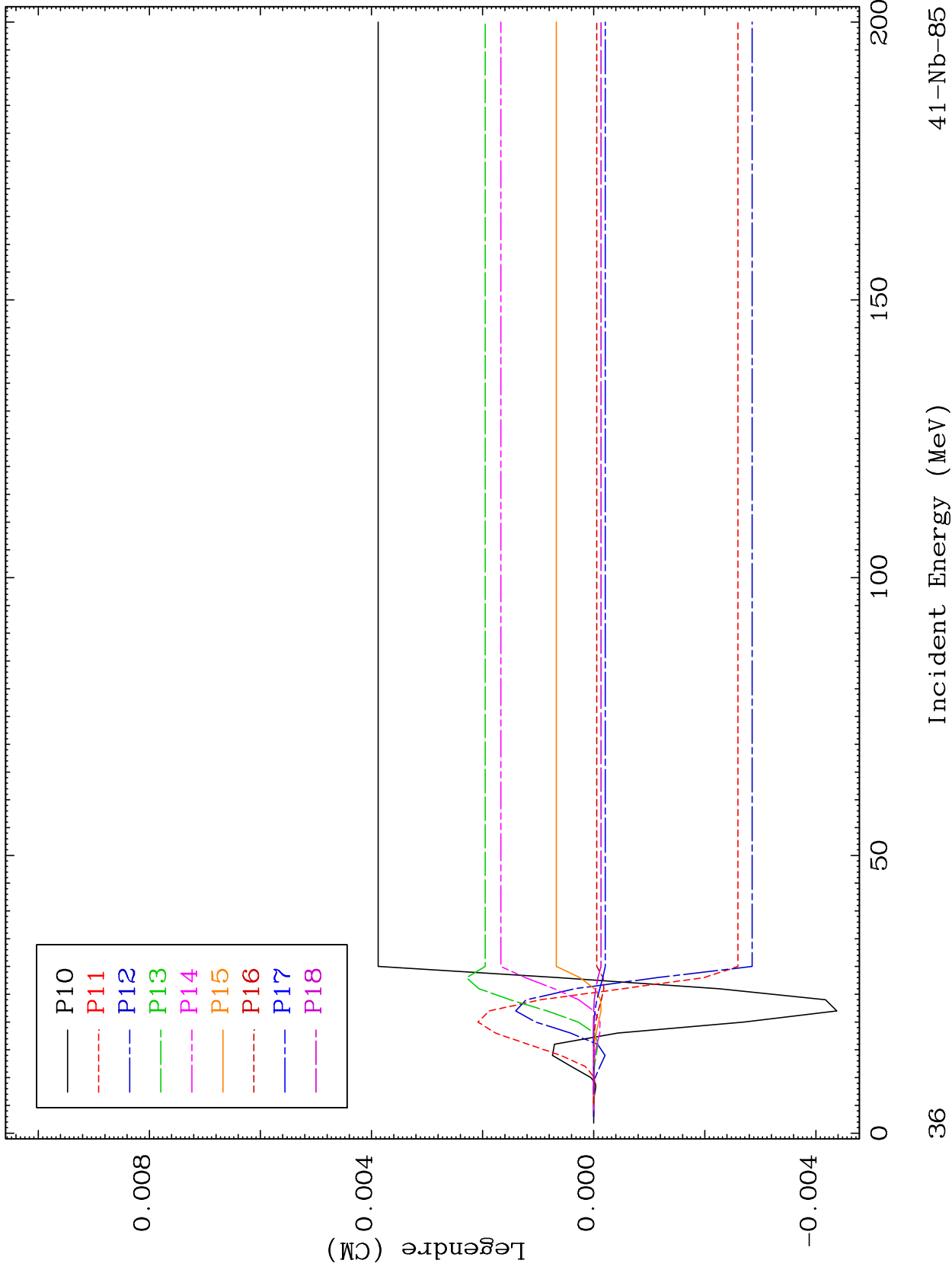
34

200

MAT 4101

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

41-Nb-85



36

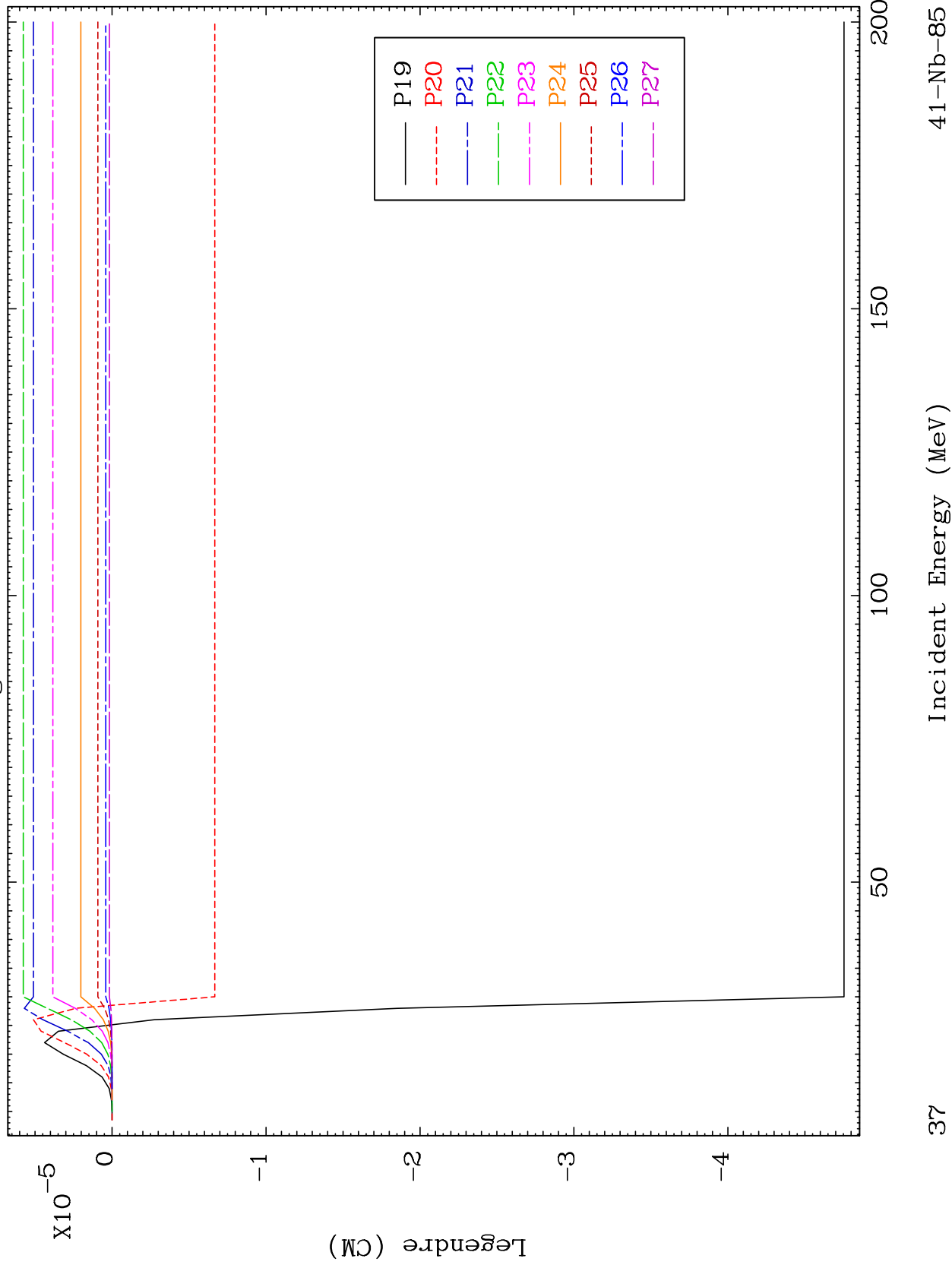
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



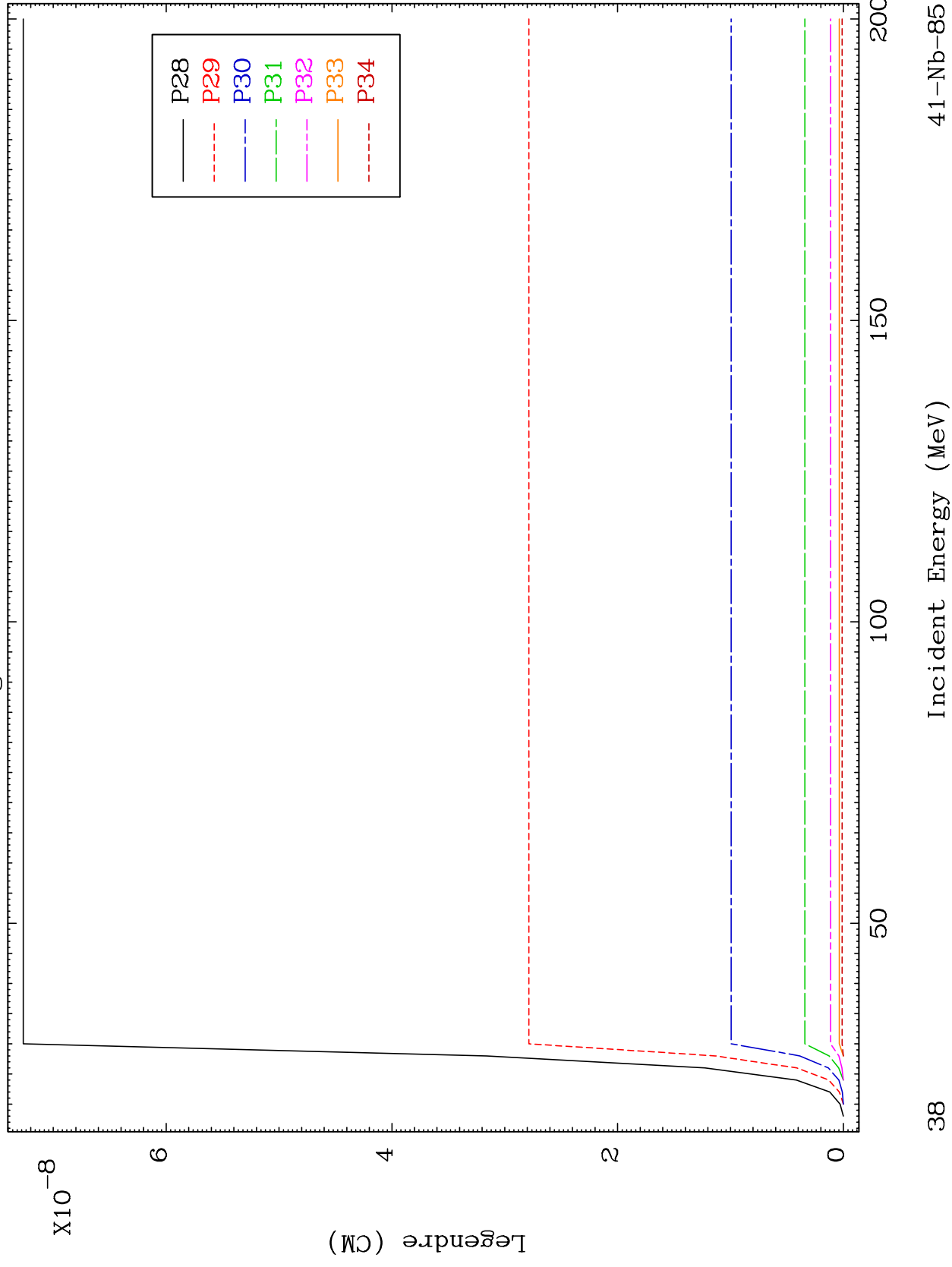
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41-Nb-85

MAT 4101

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

41-Nb-85



38

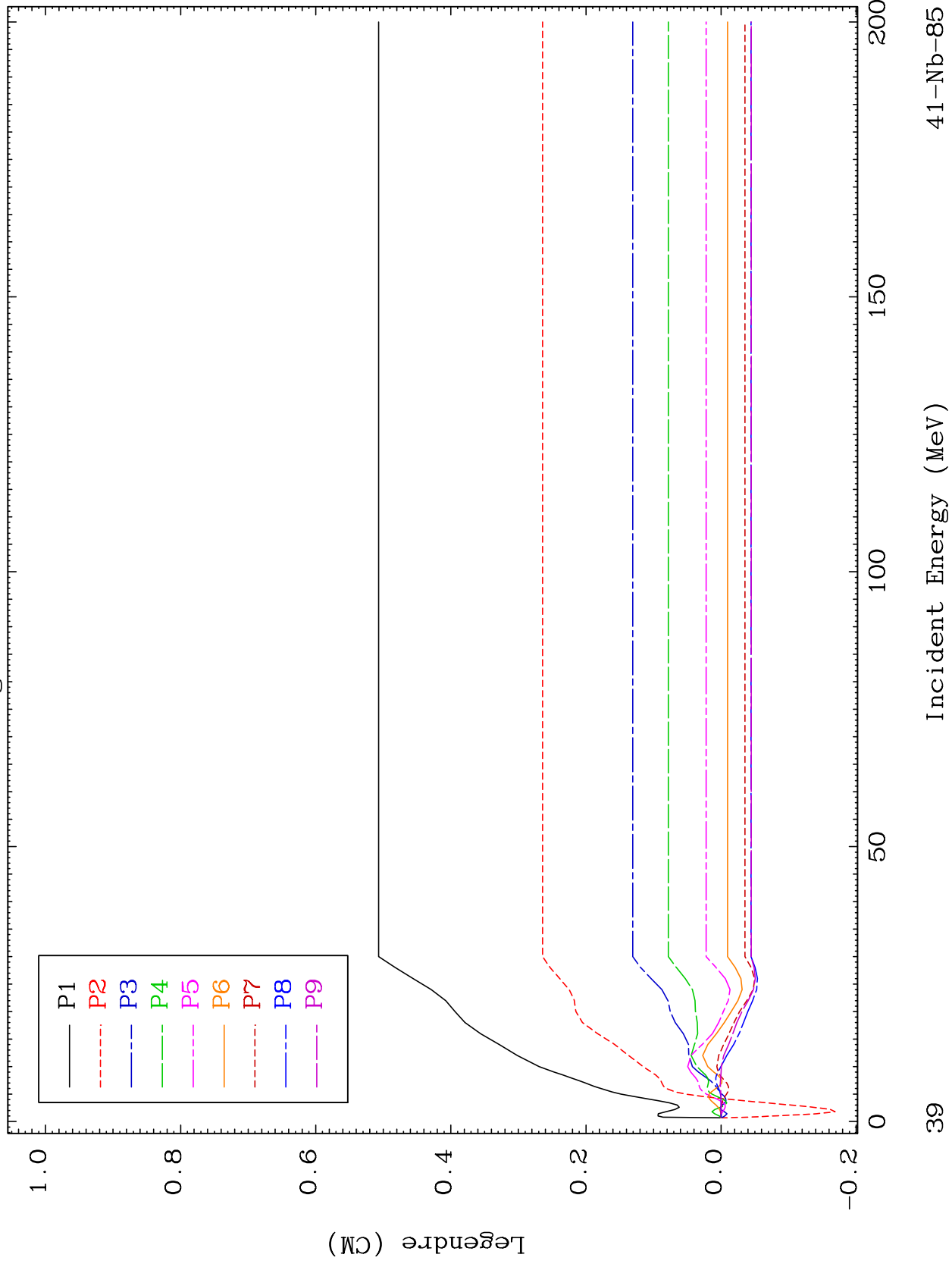
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



39

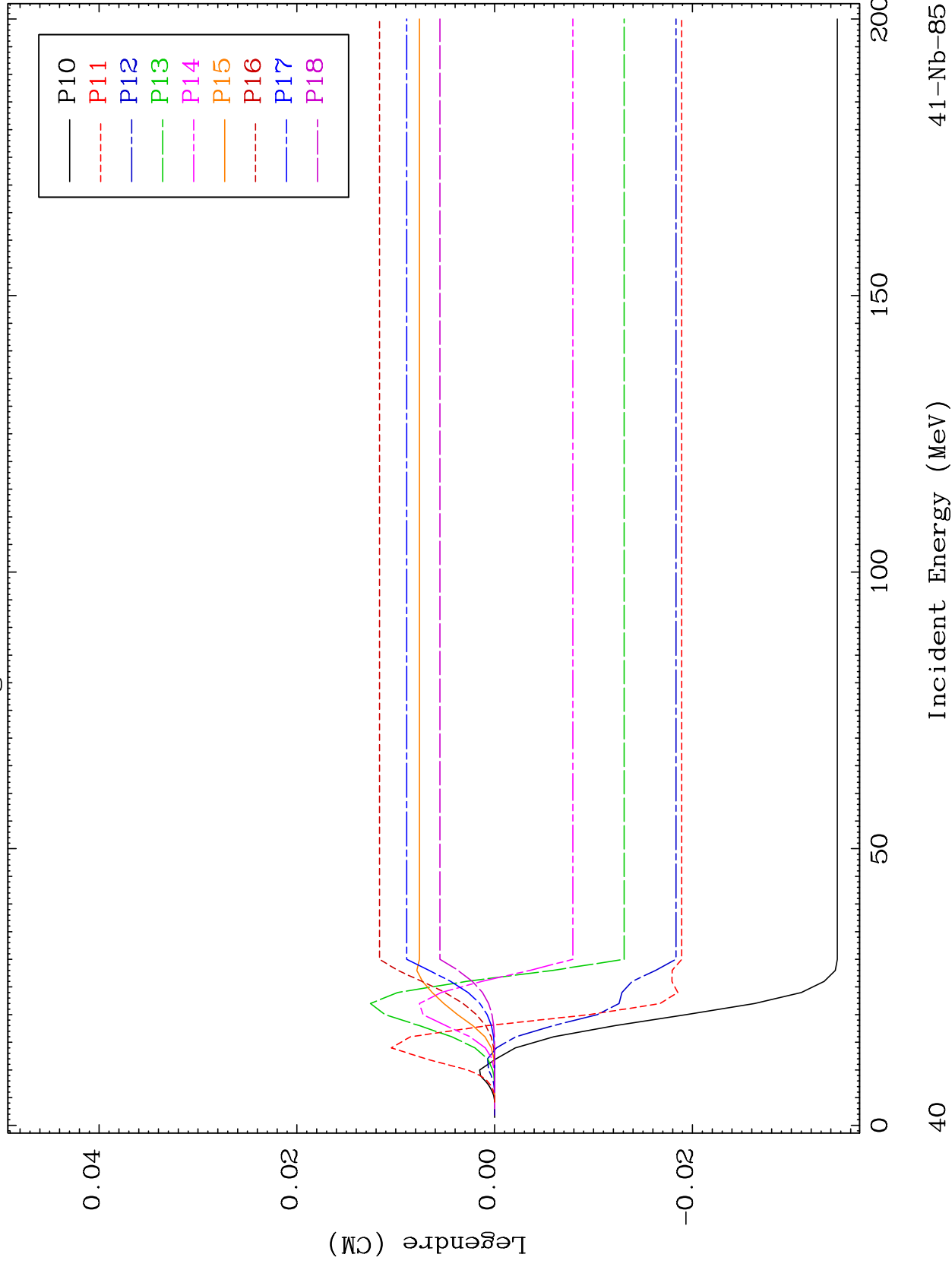
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

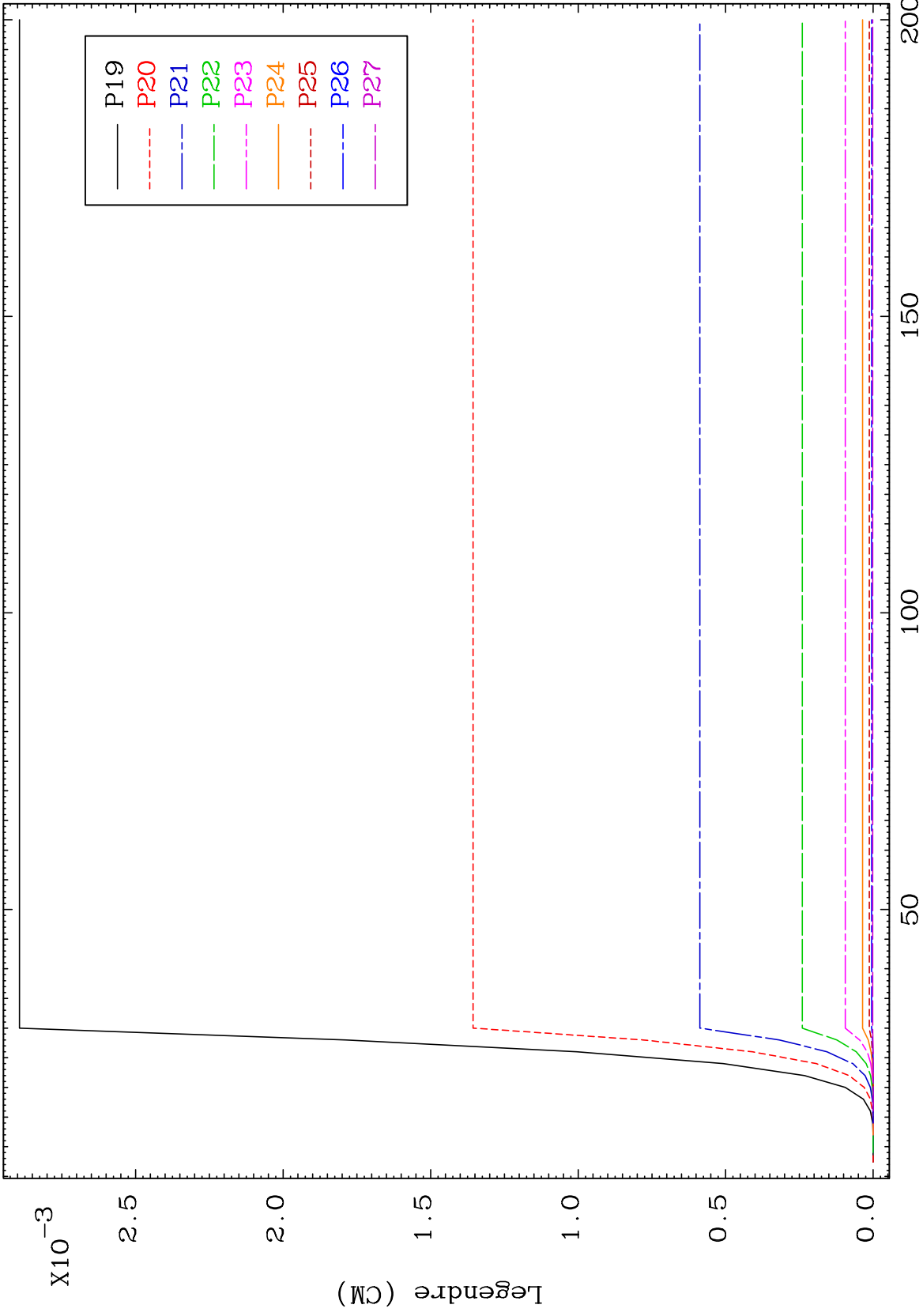
41-Nb-85



MAT 4101

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

41-Nb-85



41

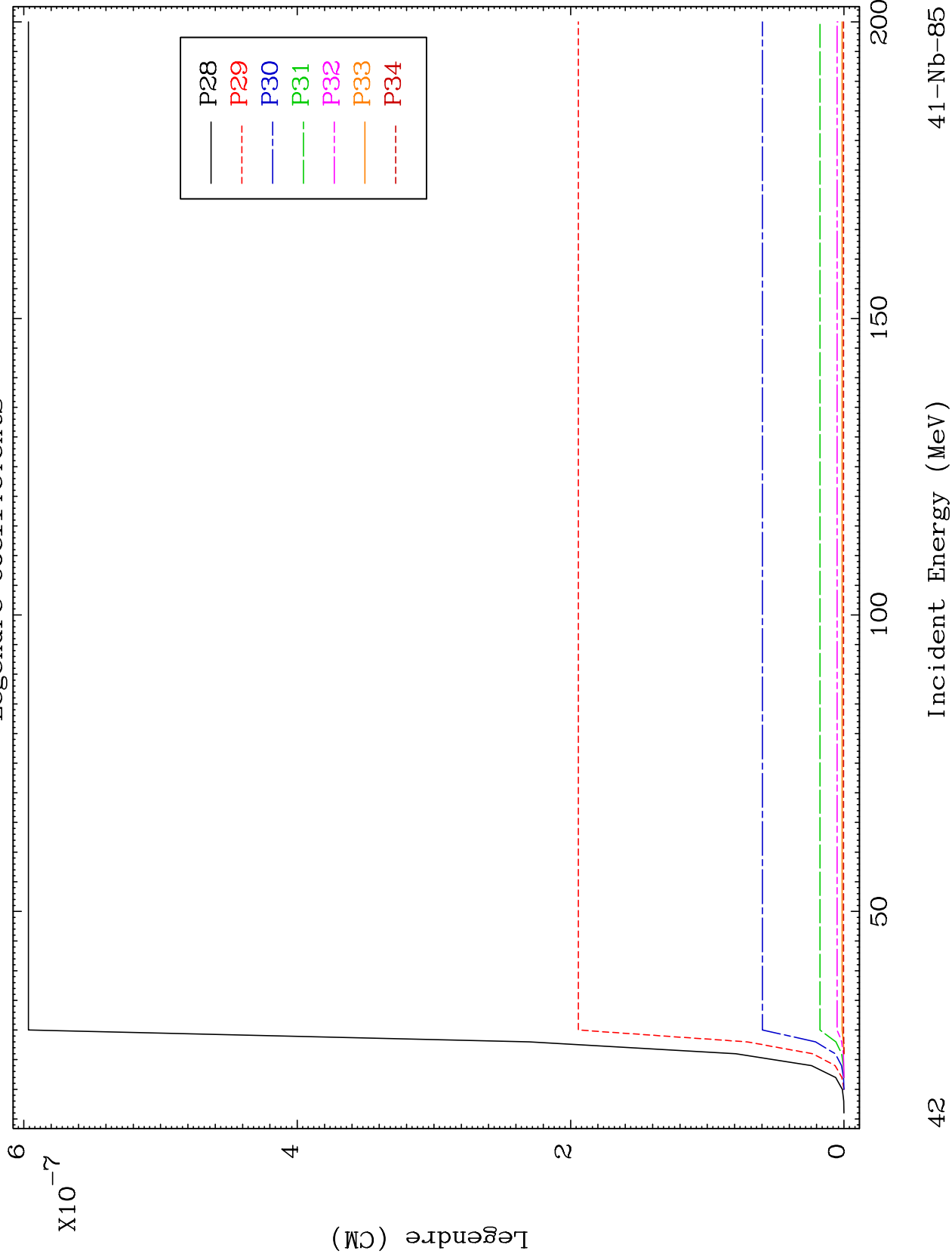
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85

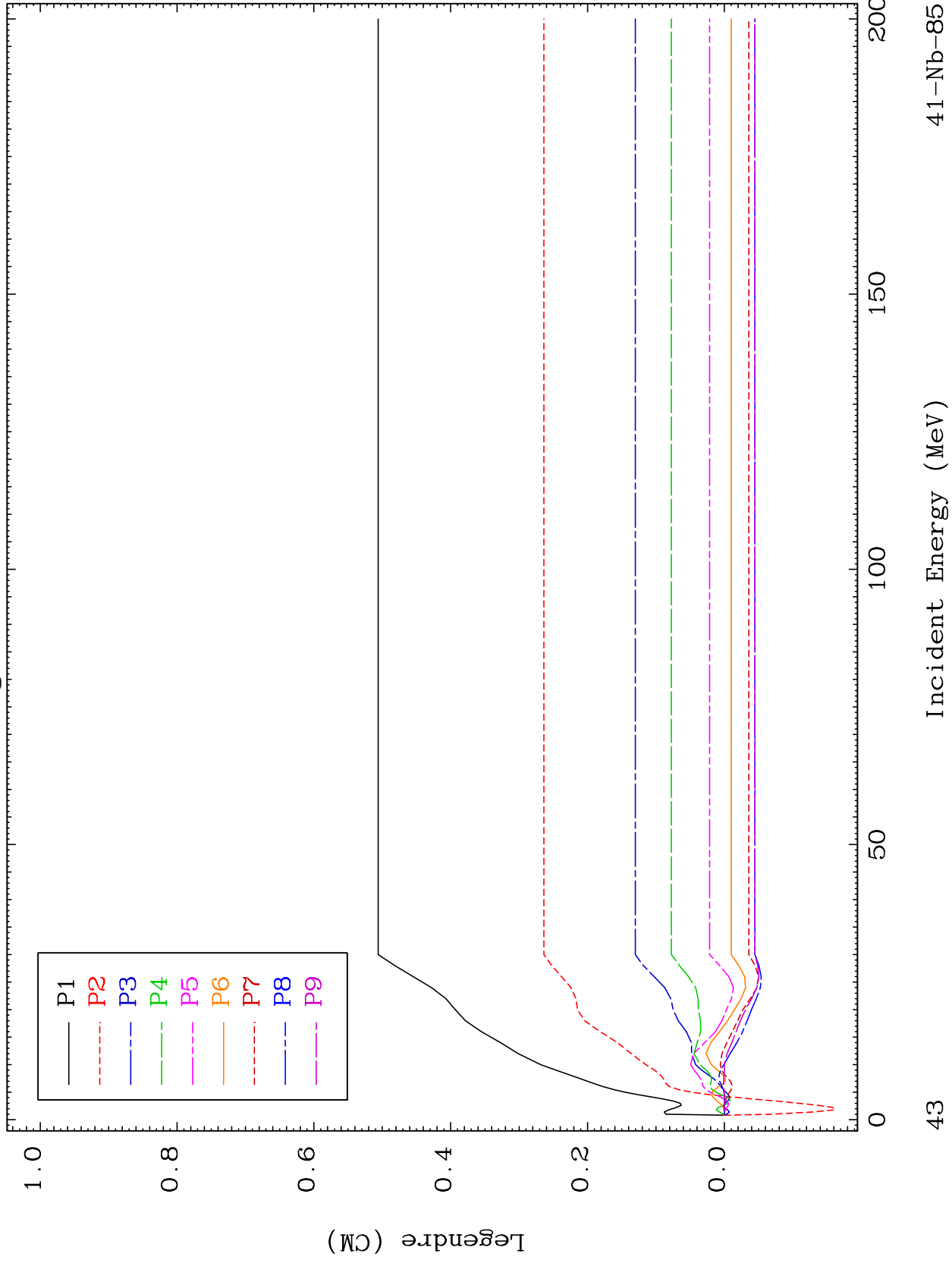


42

MAT 4101

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

41-Nb-85



43

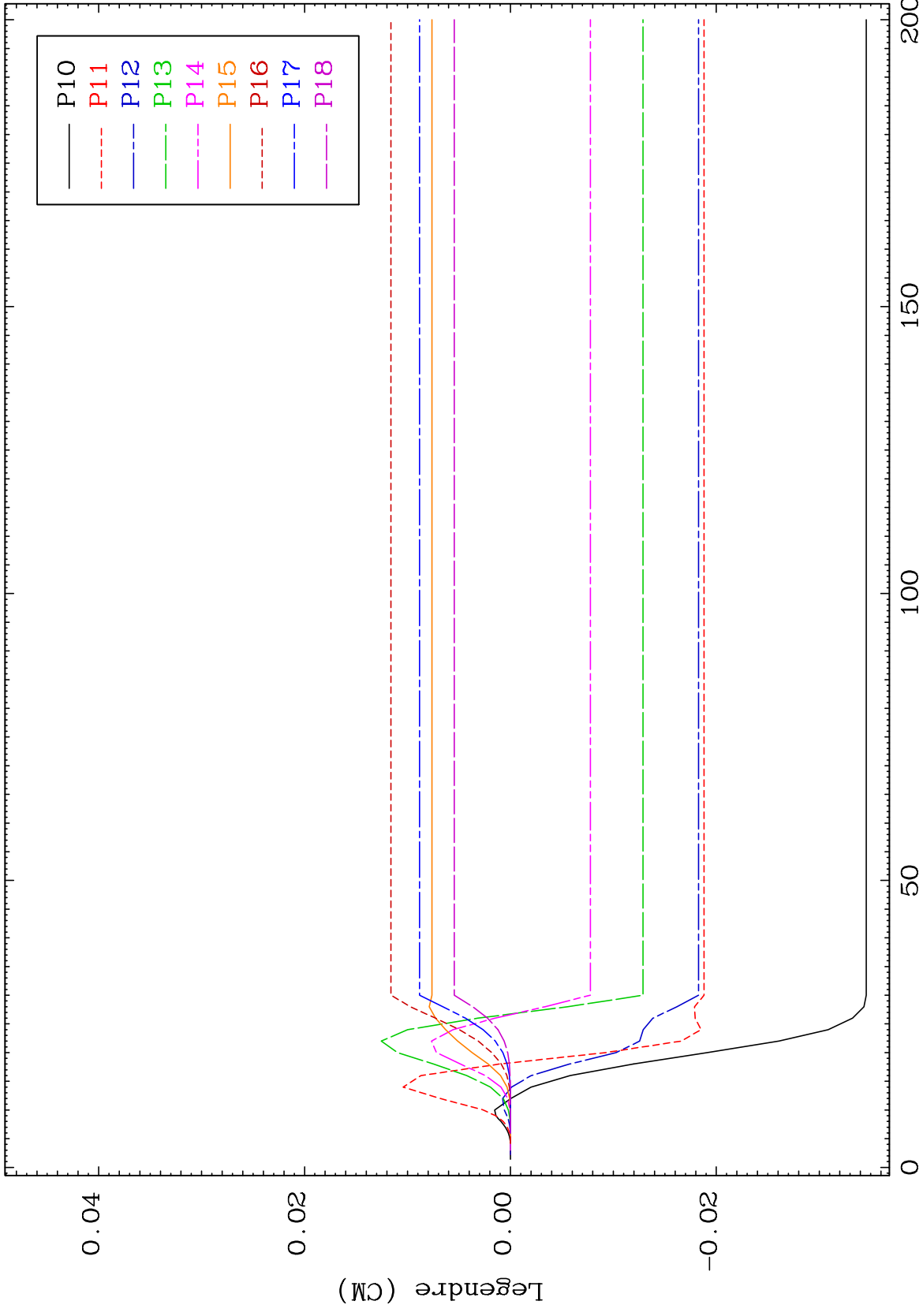
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



44

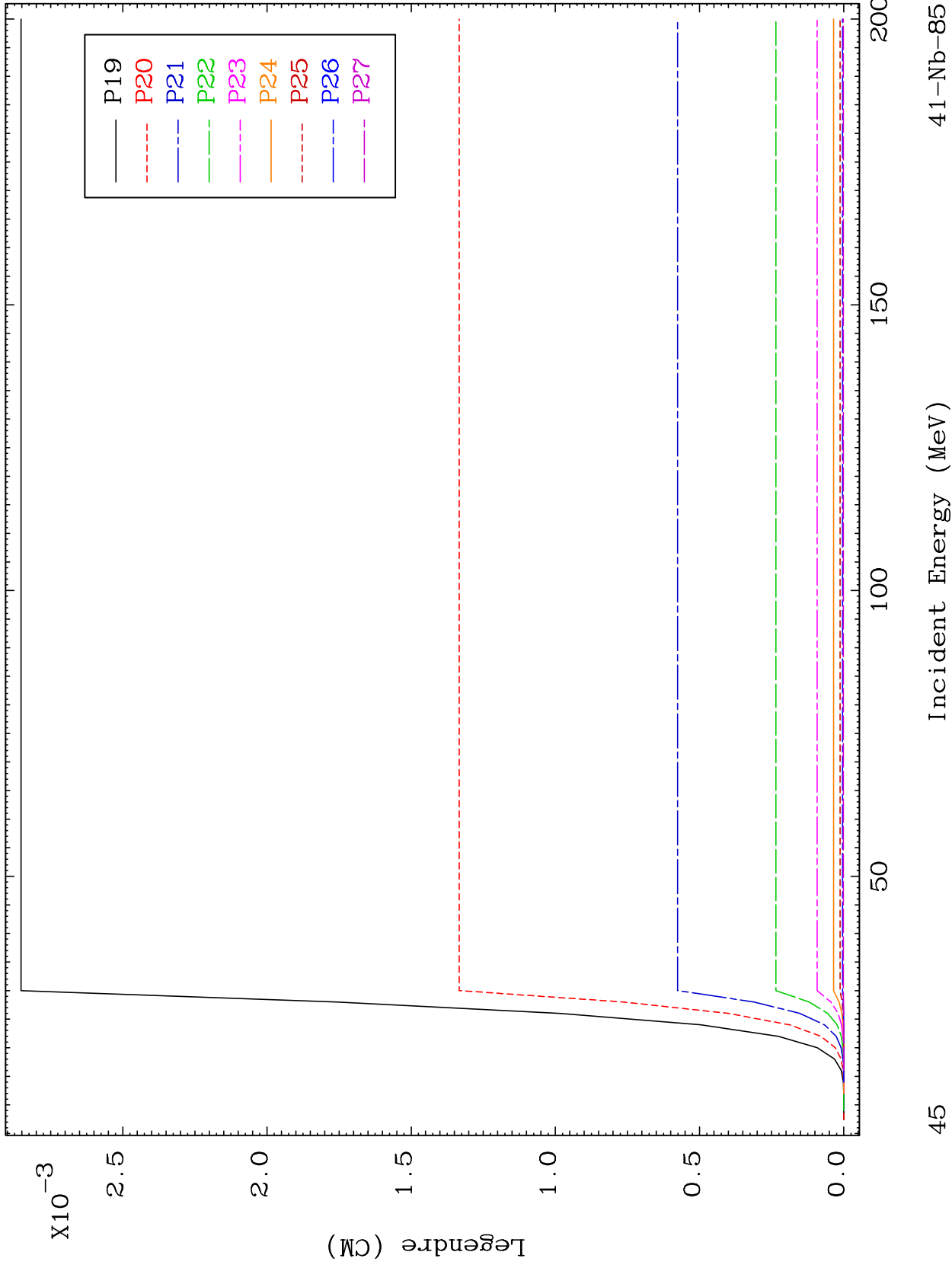
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

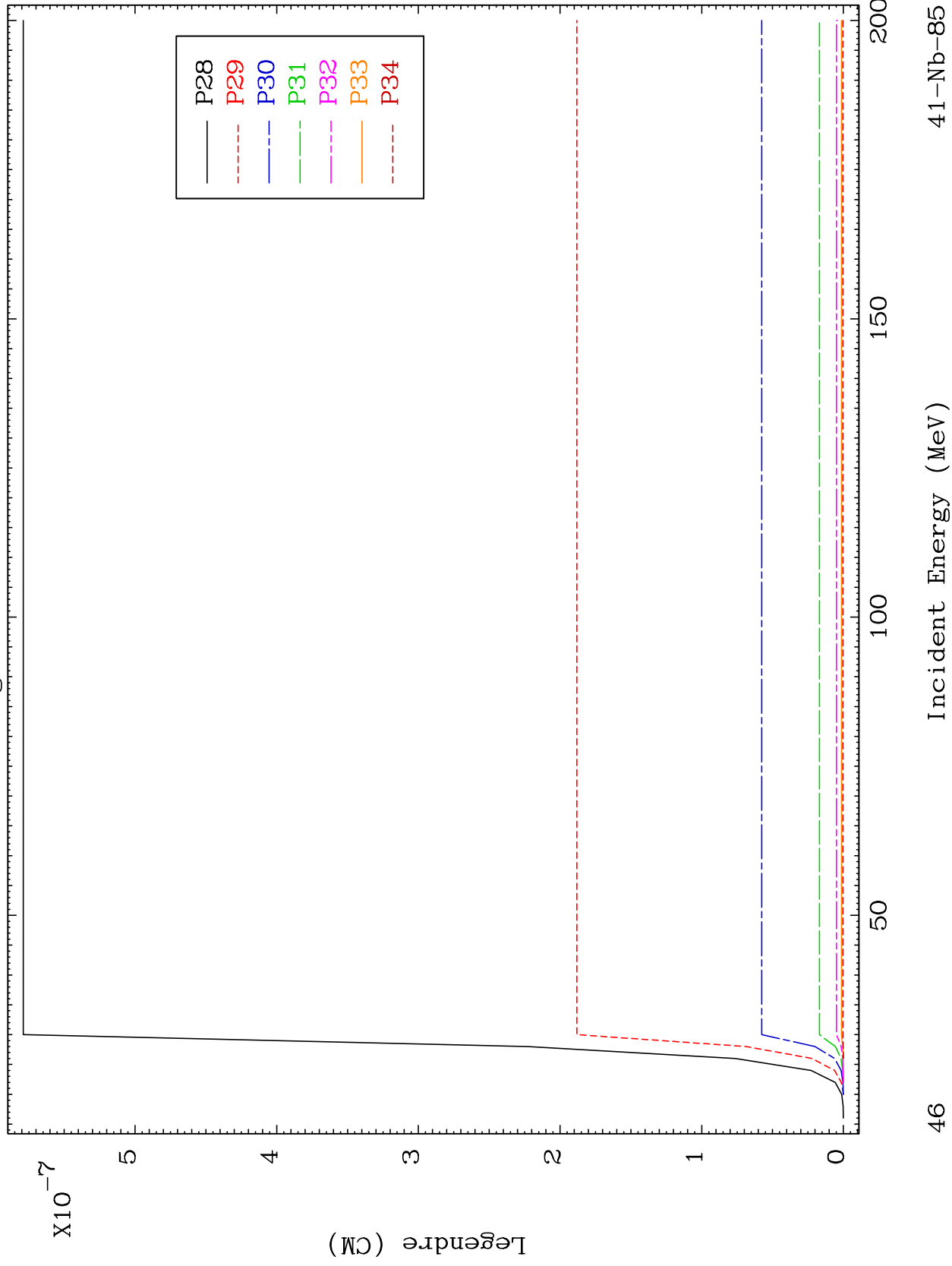
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MAT 4101

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

41-Nb-85



46

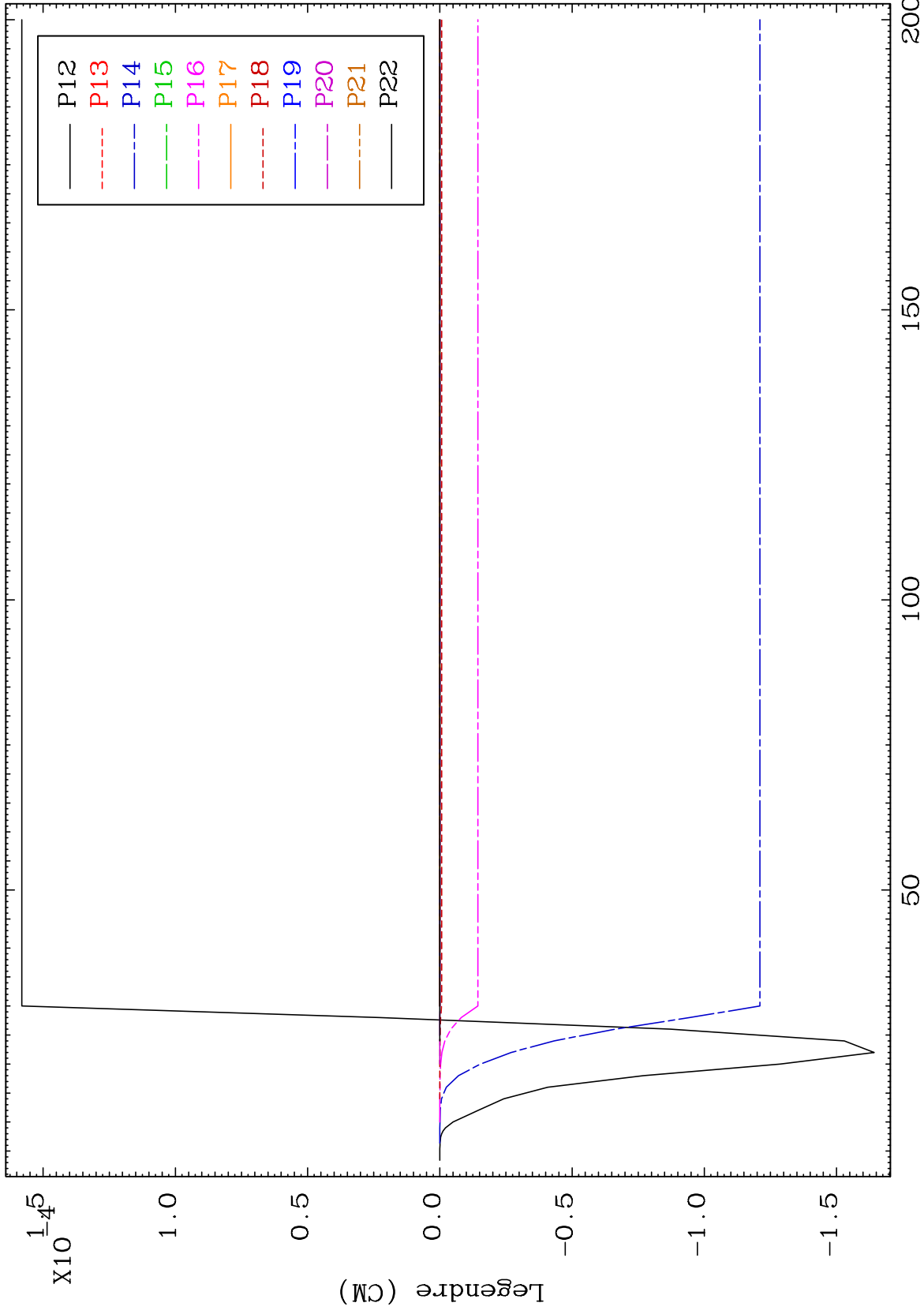
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



48

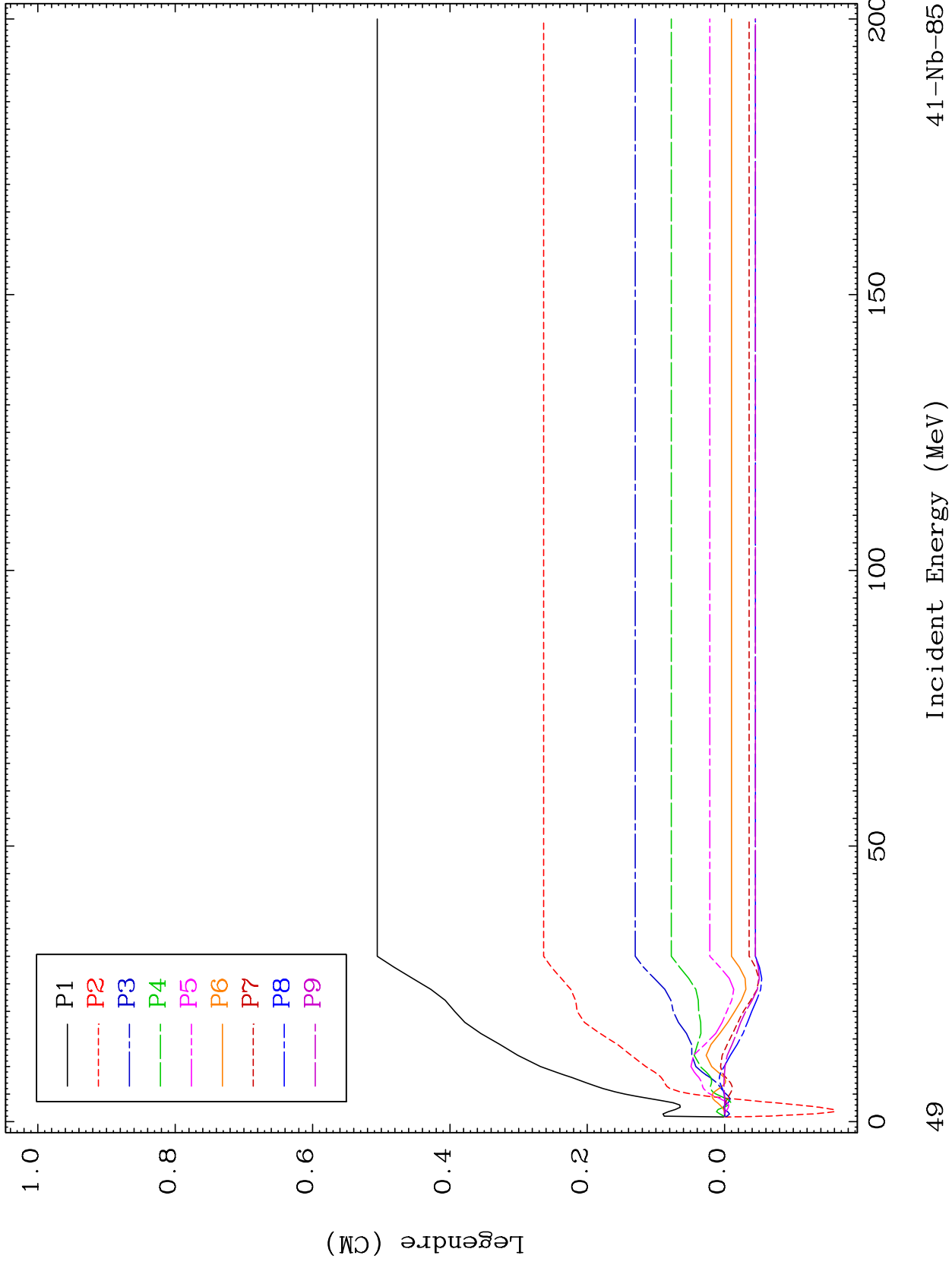
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



49

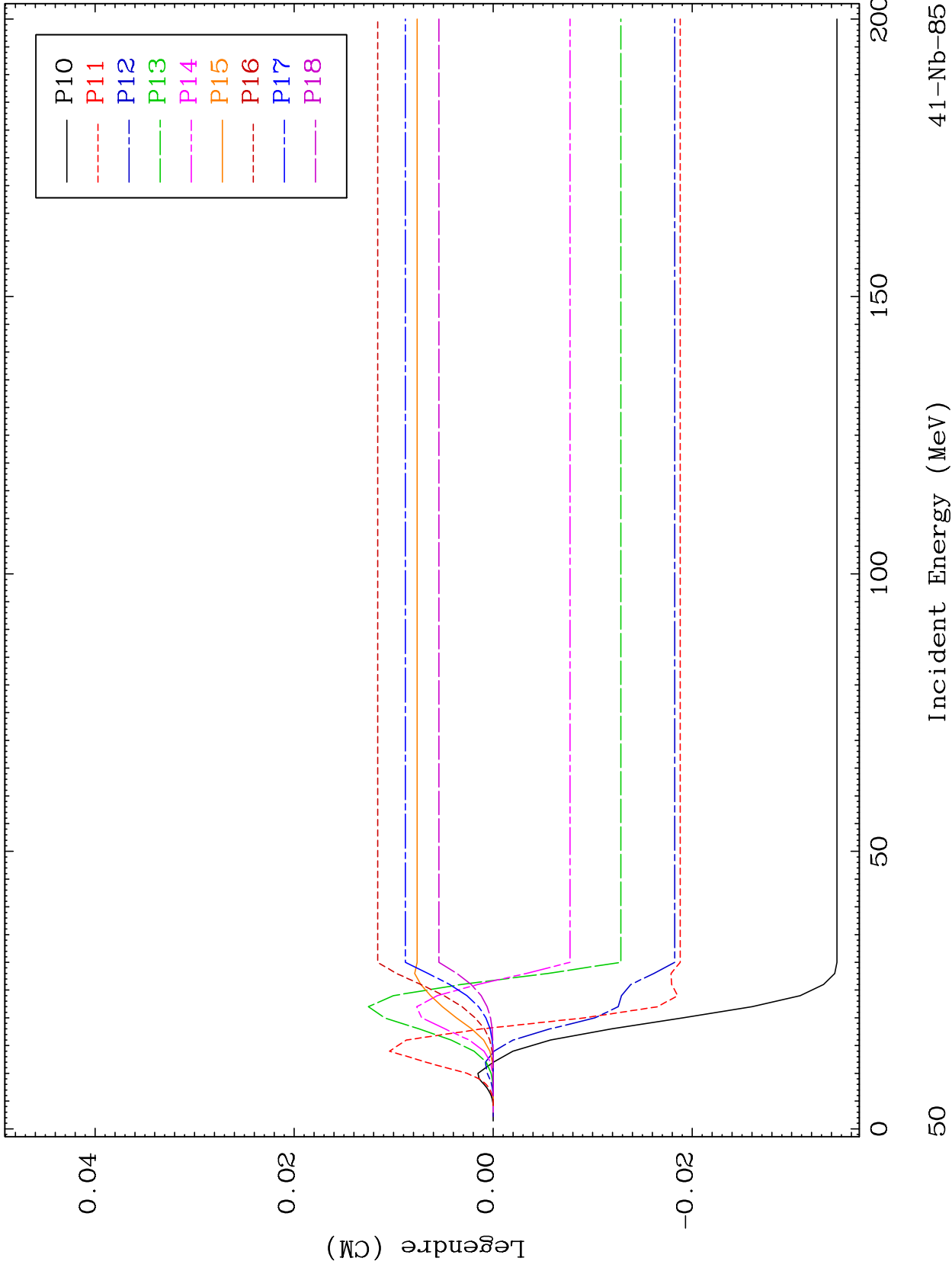
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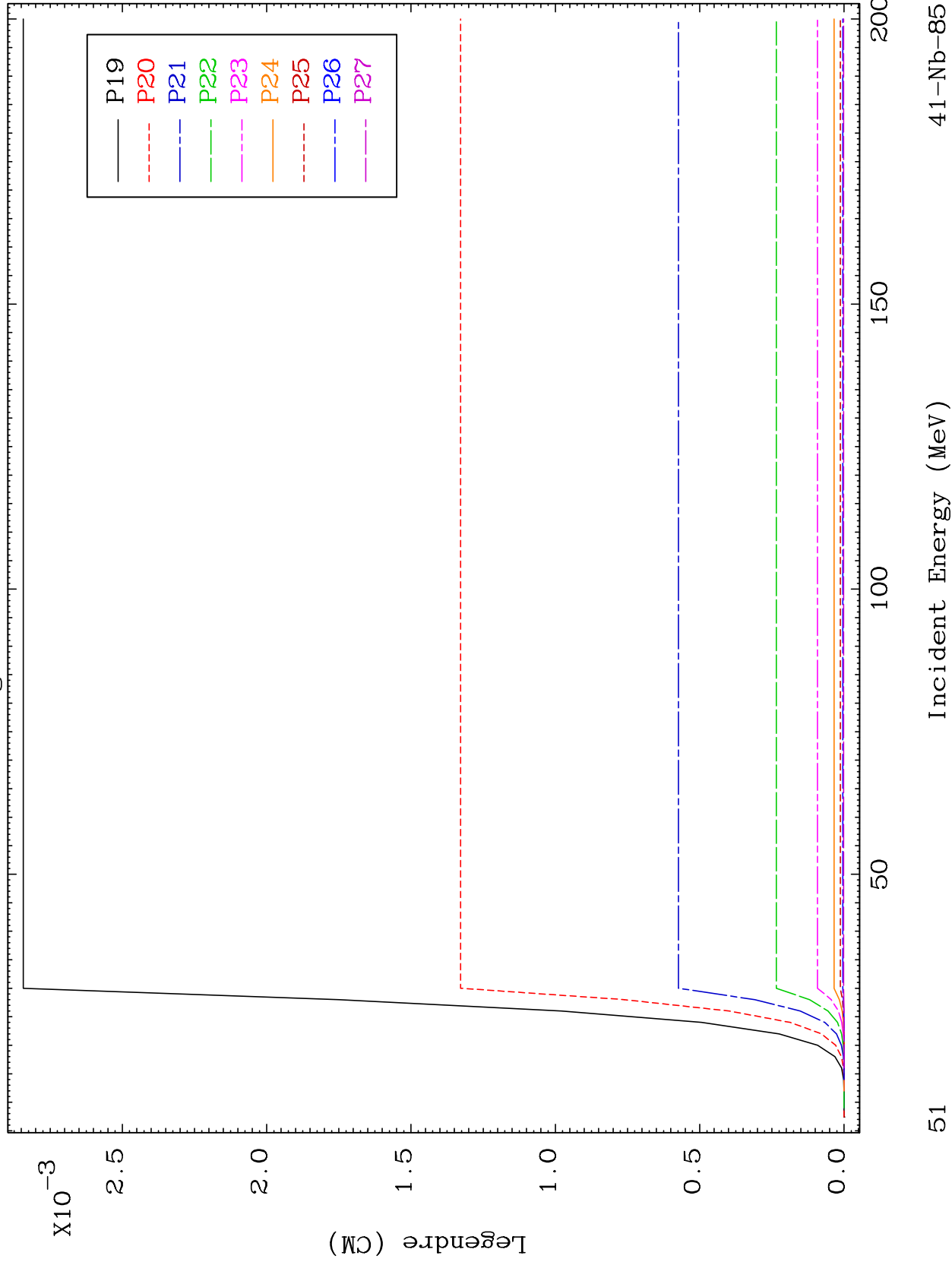
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MAT 4101

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

41-Nb-85

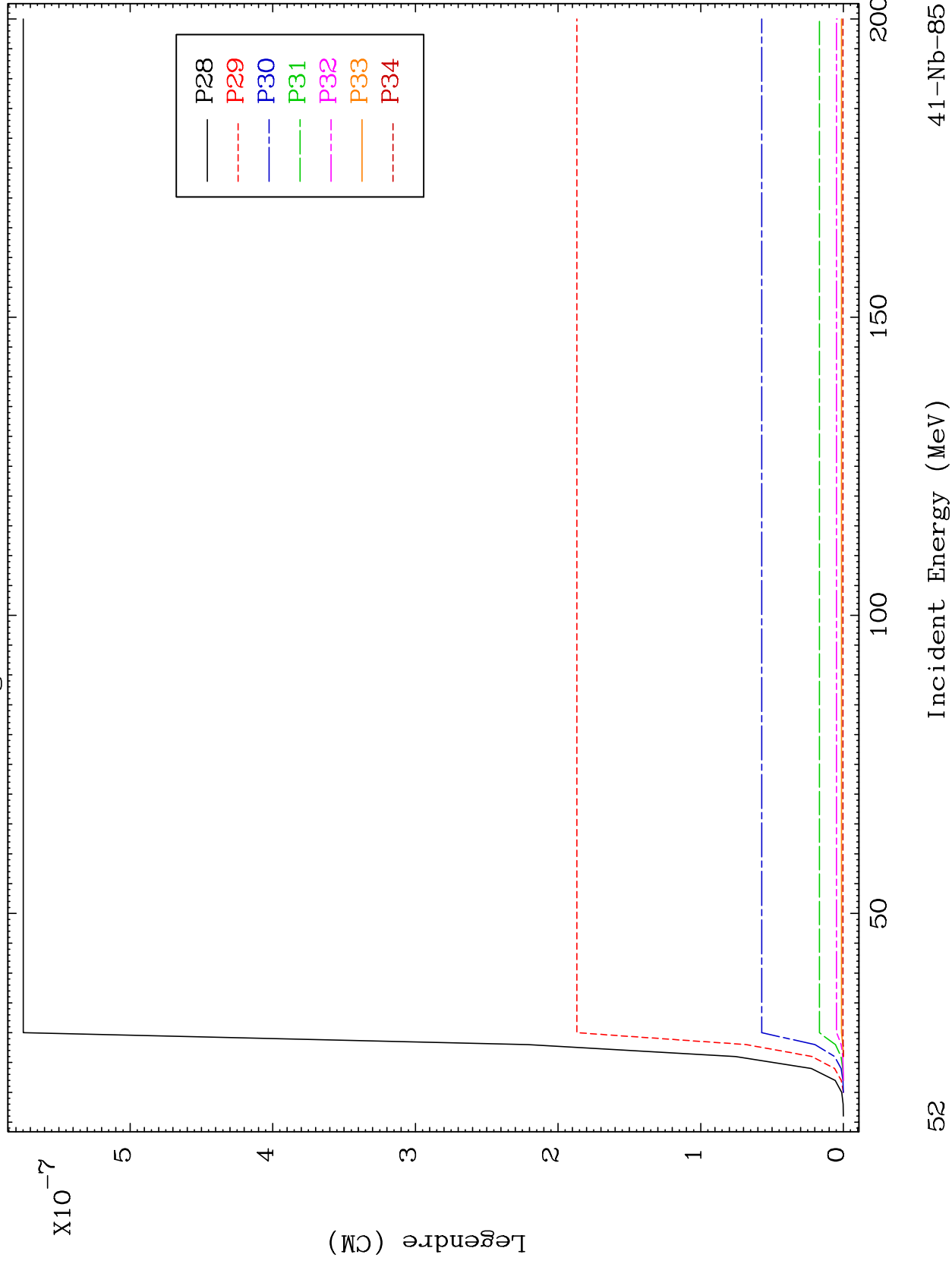




MAT 4101

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

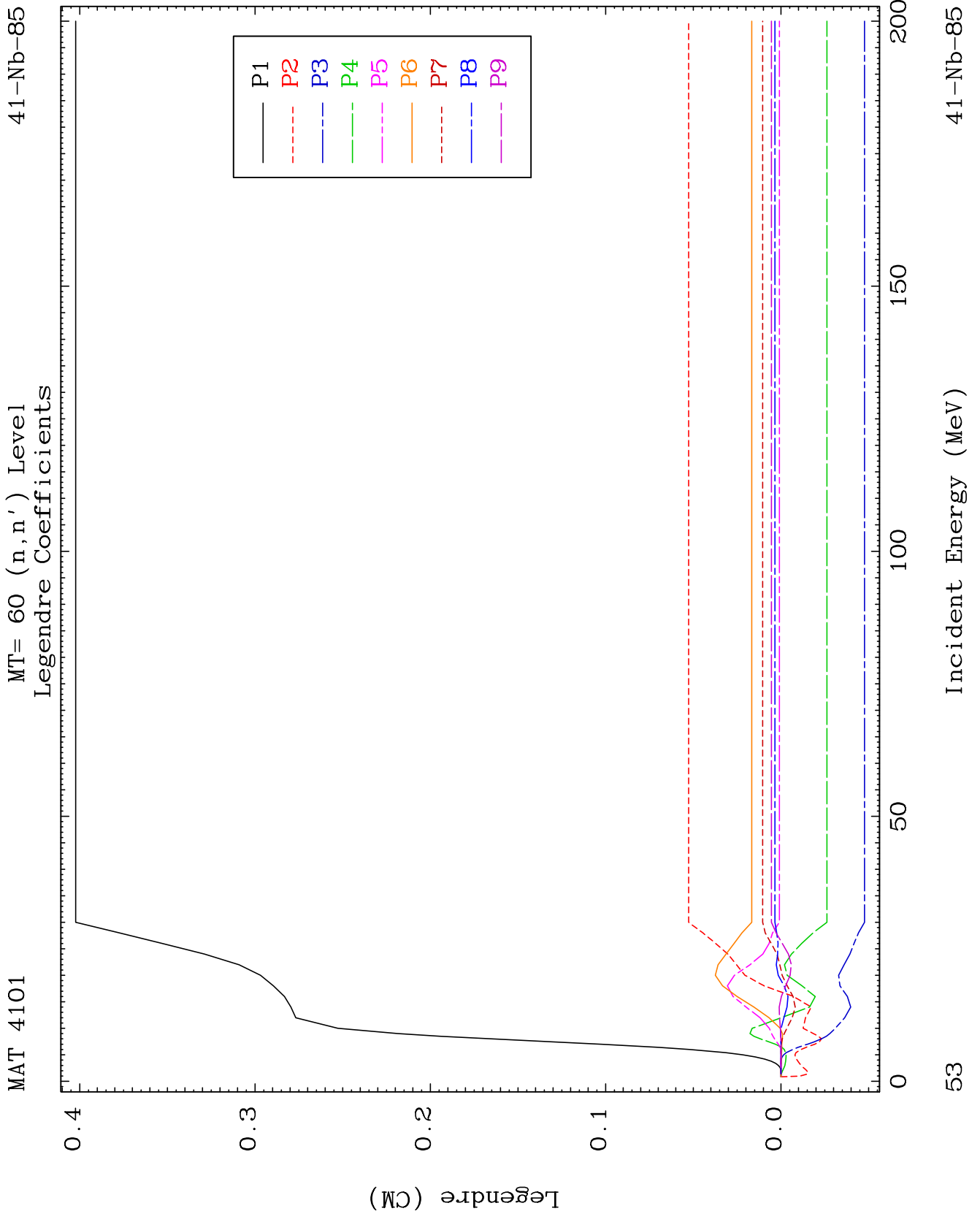
41-Nb-85



52

Incident Energy (MeV)

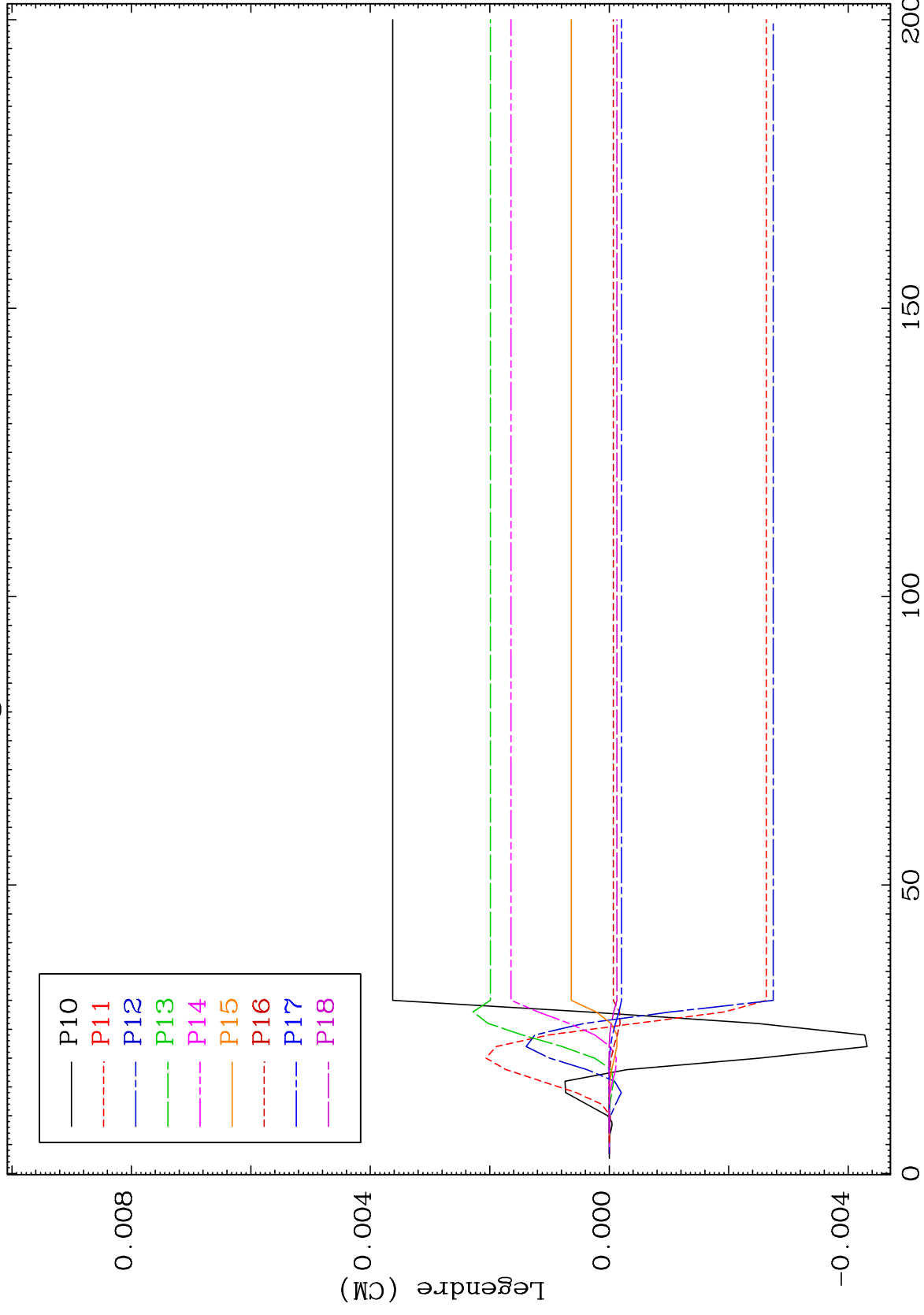
41-Nb-85



MAT 4101

41-Nb-85

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



54

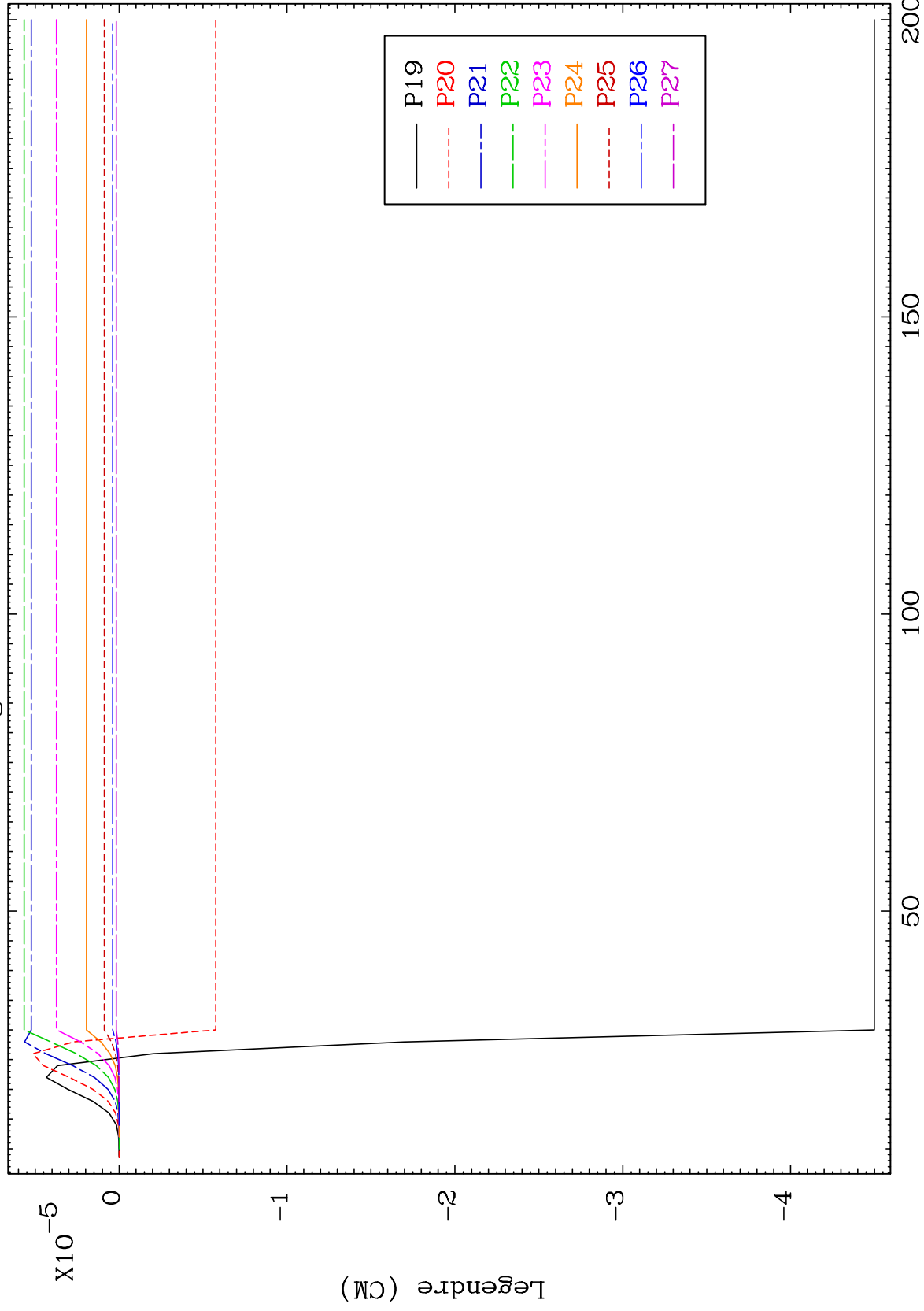
Incident Energy (MeV)

41-Nb-85

MAT 4101

41-Nb-85

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



55

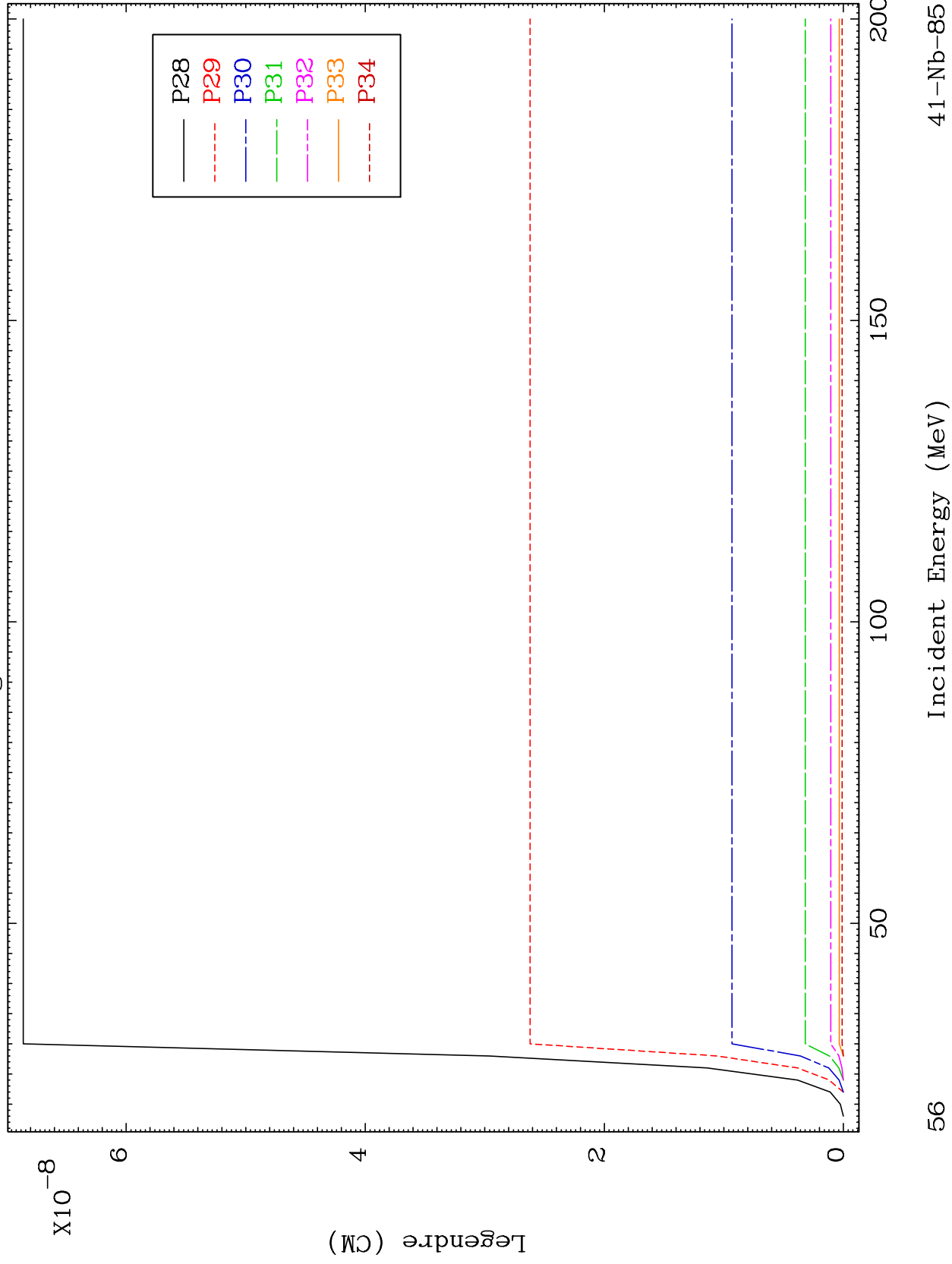
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



56

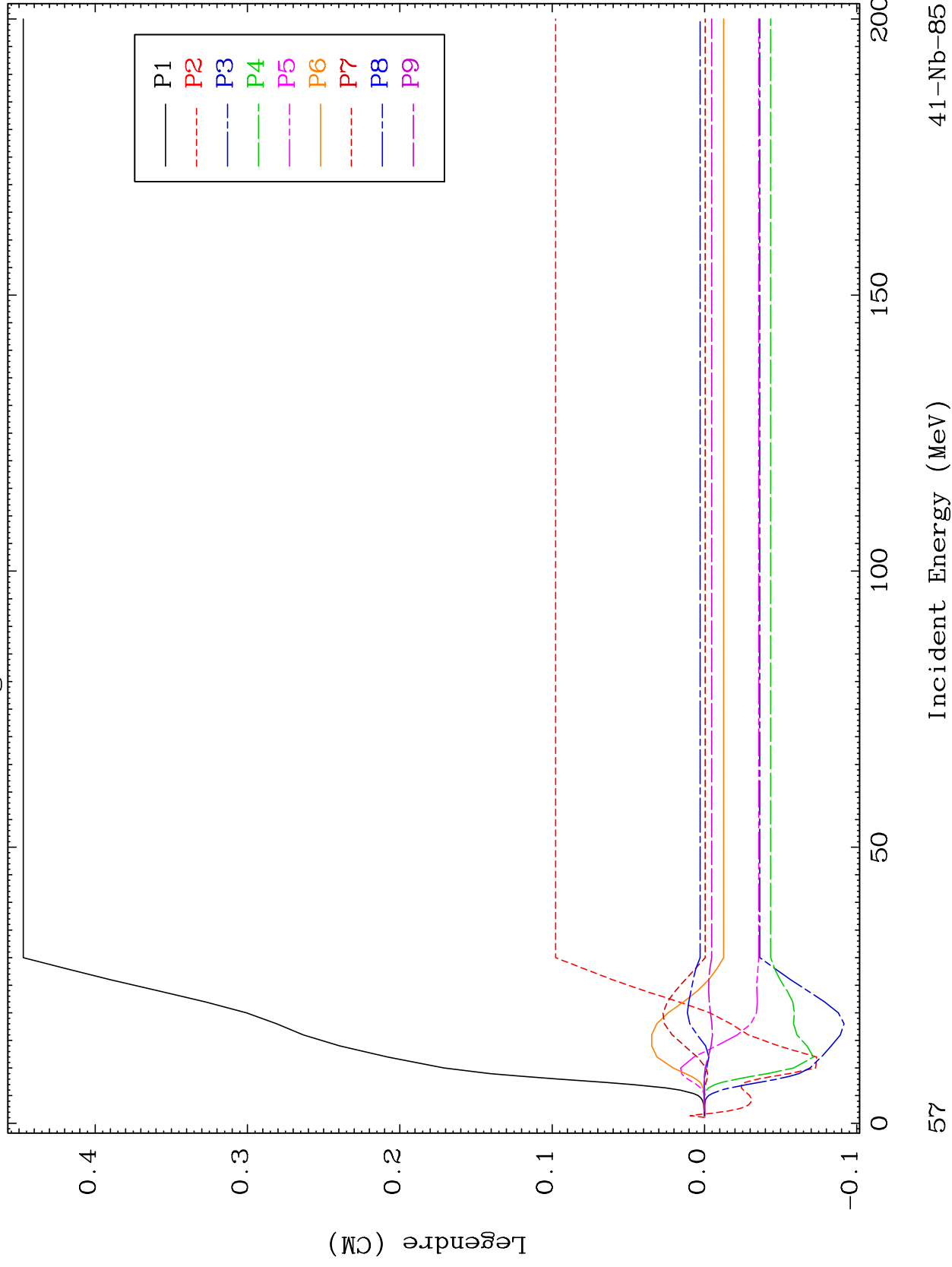
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



41-Nb-85

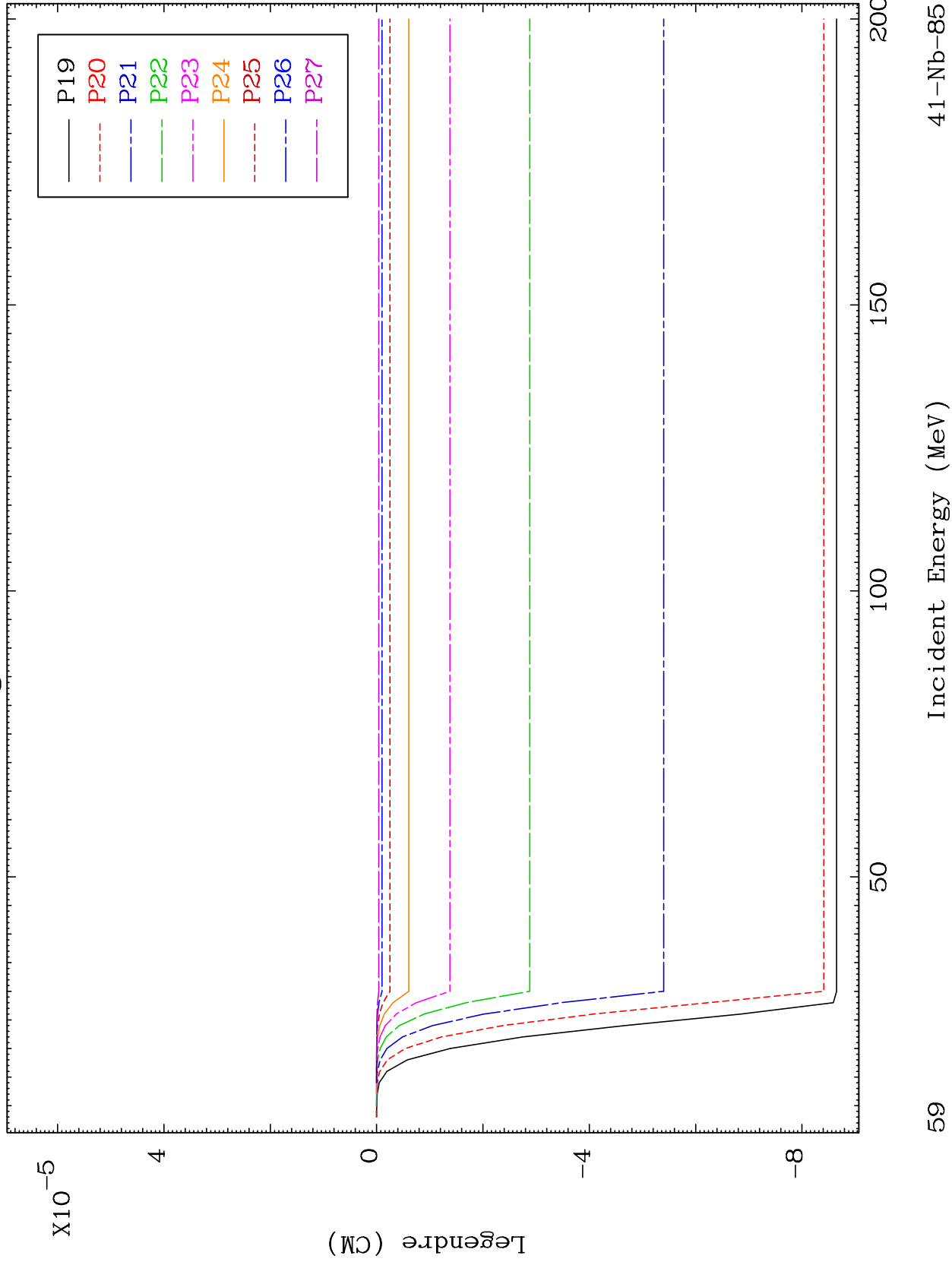
Incident Energy (MeV)

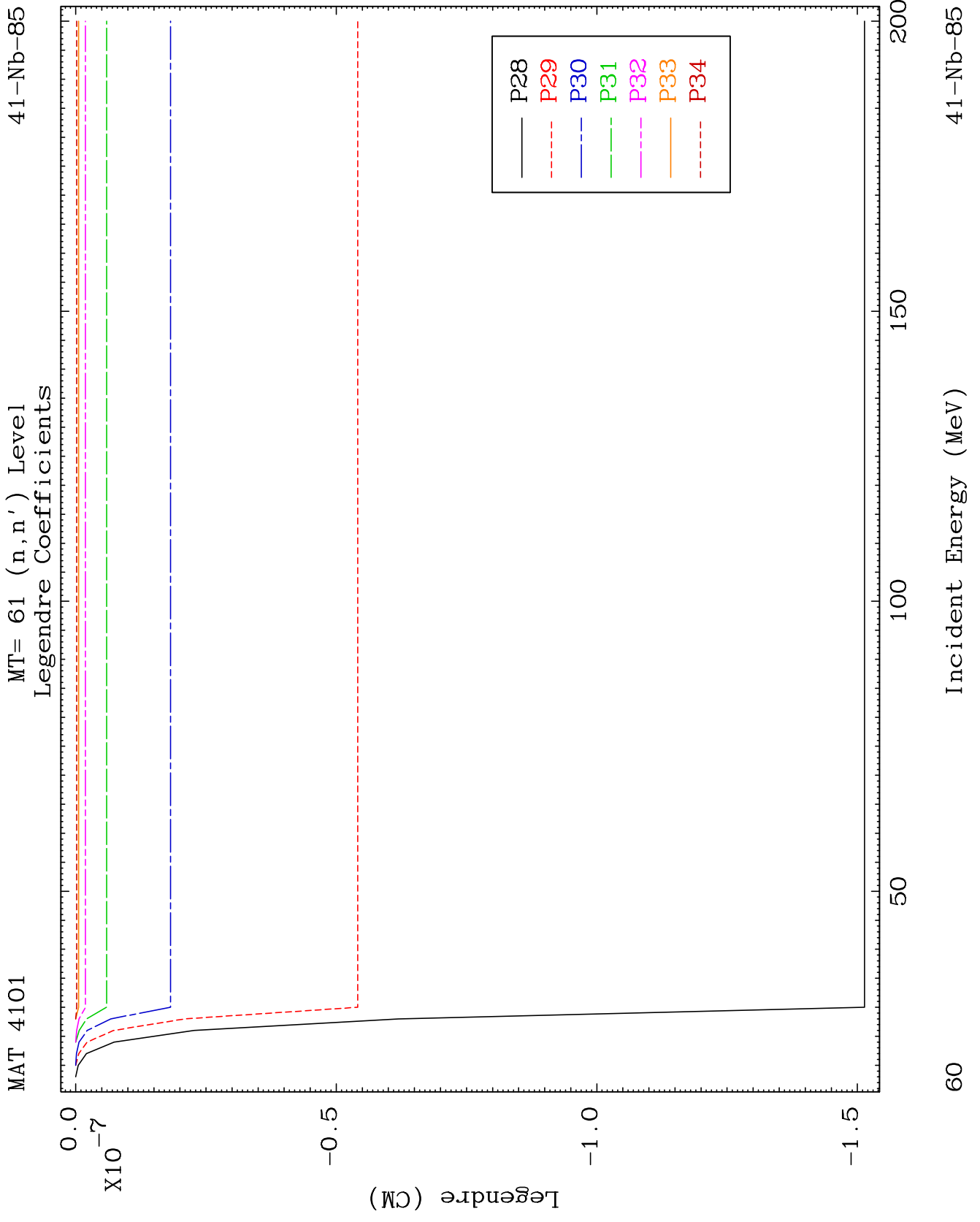
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MAT 4101

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

41-Nb-85

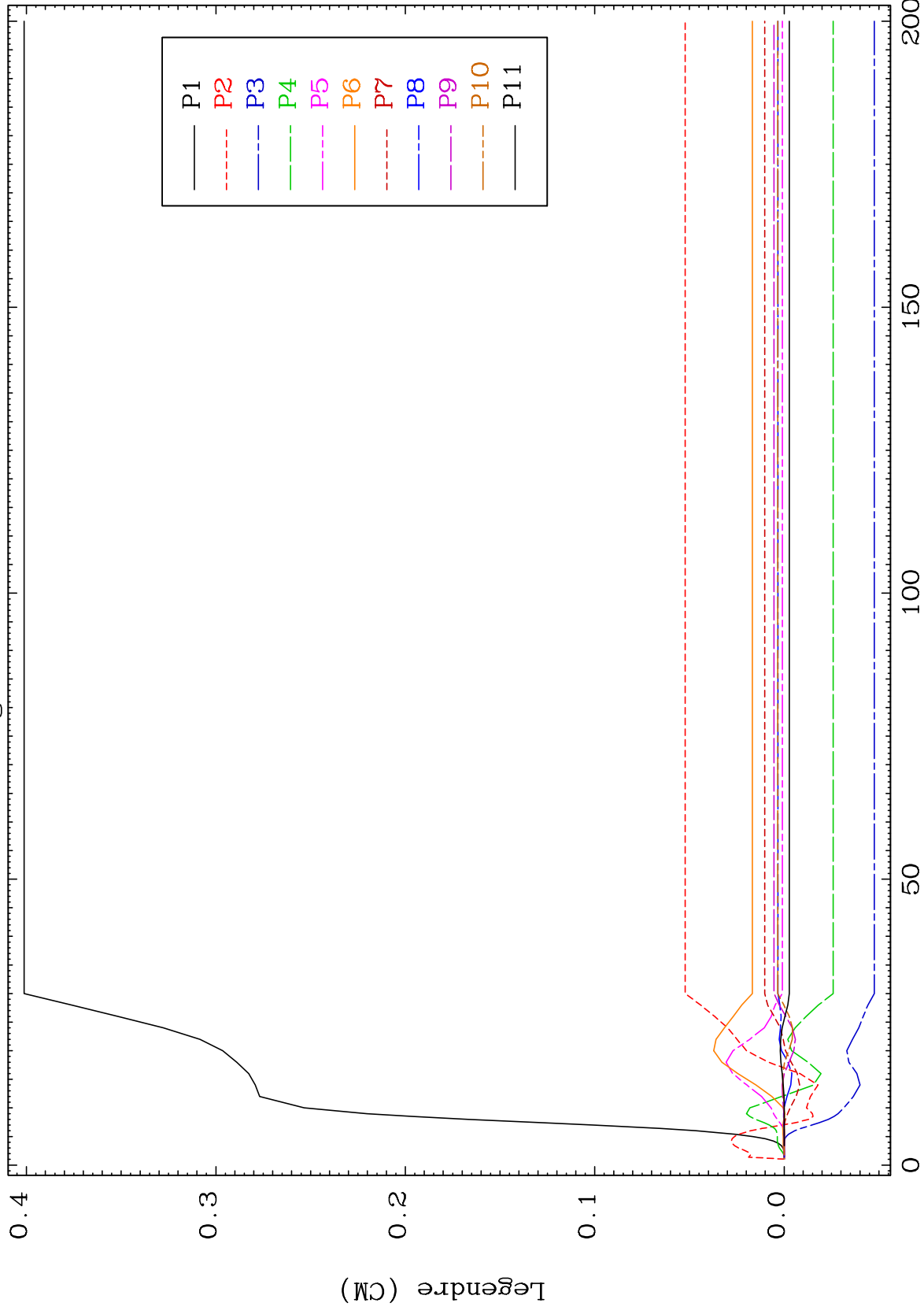




MAT 4101

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

41-Nb-85



61

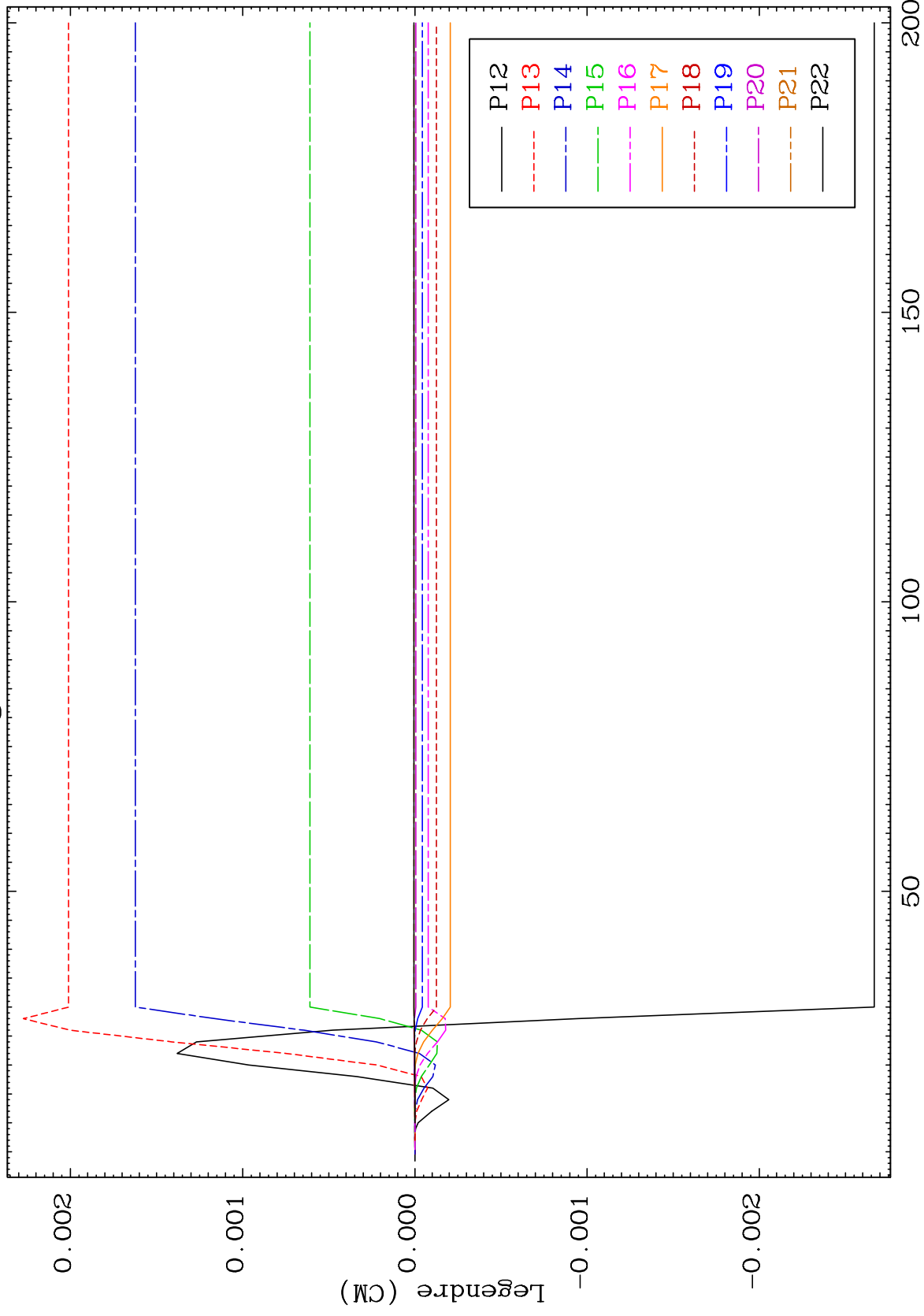
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



62

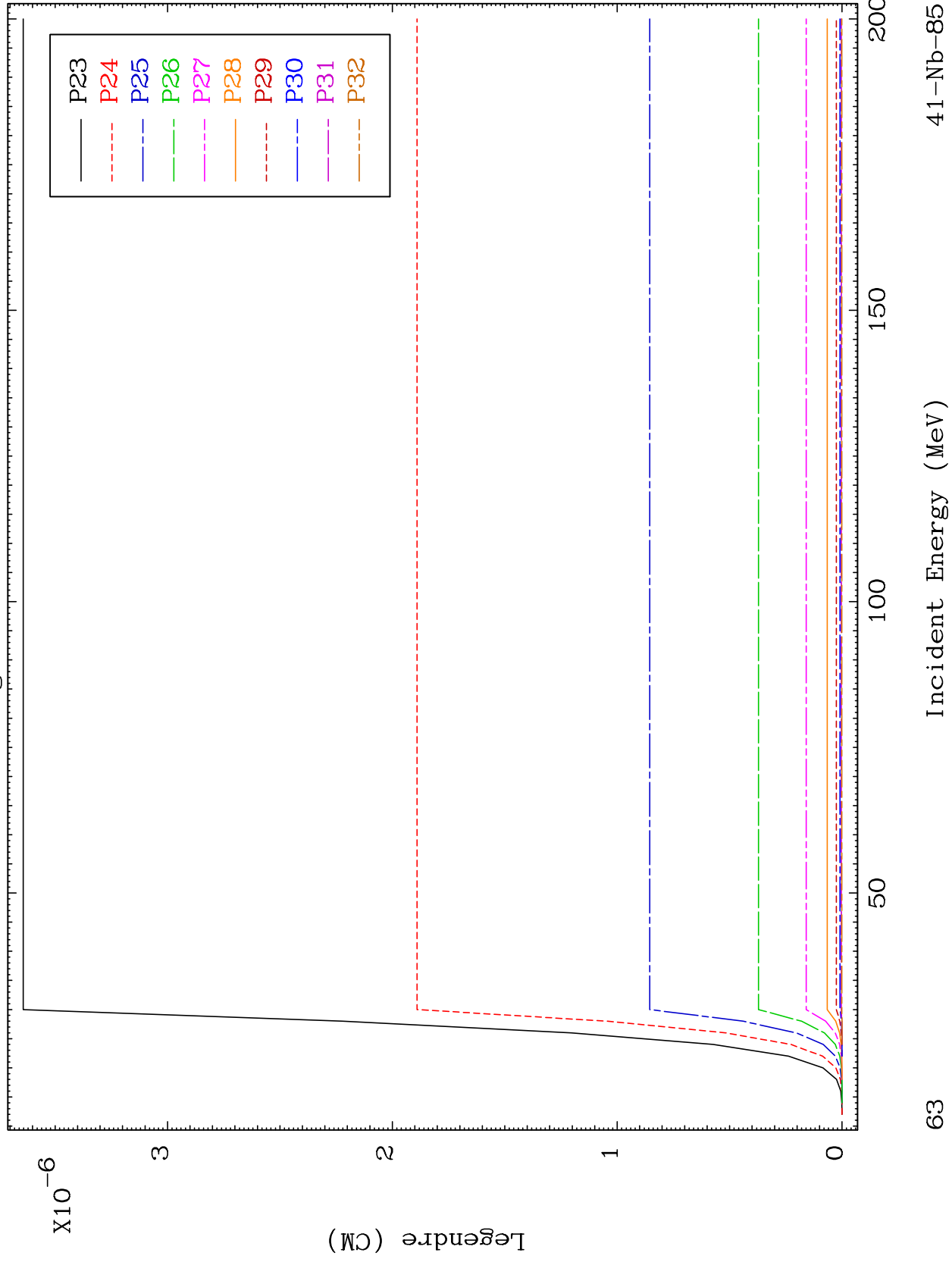
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

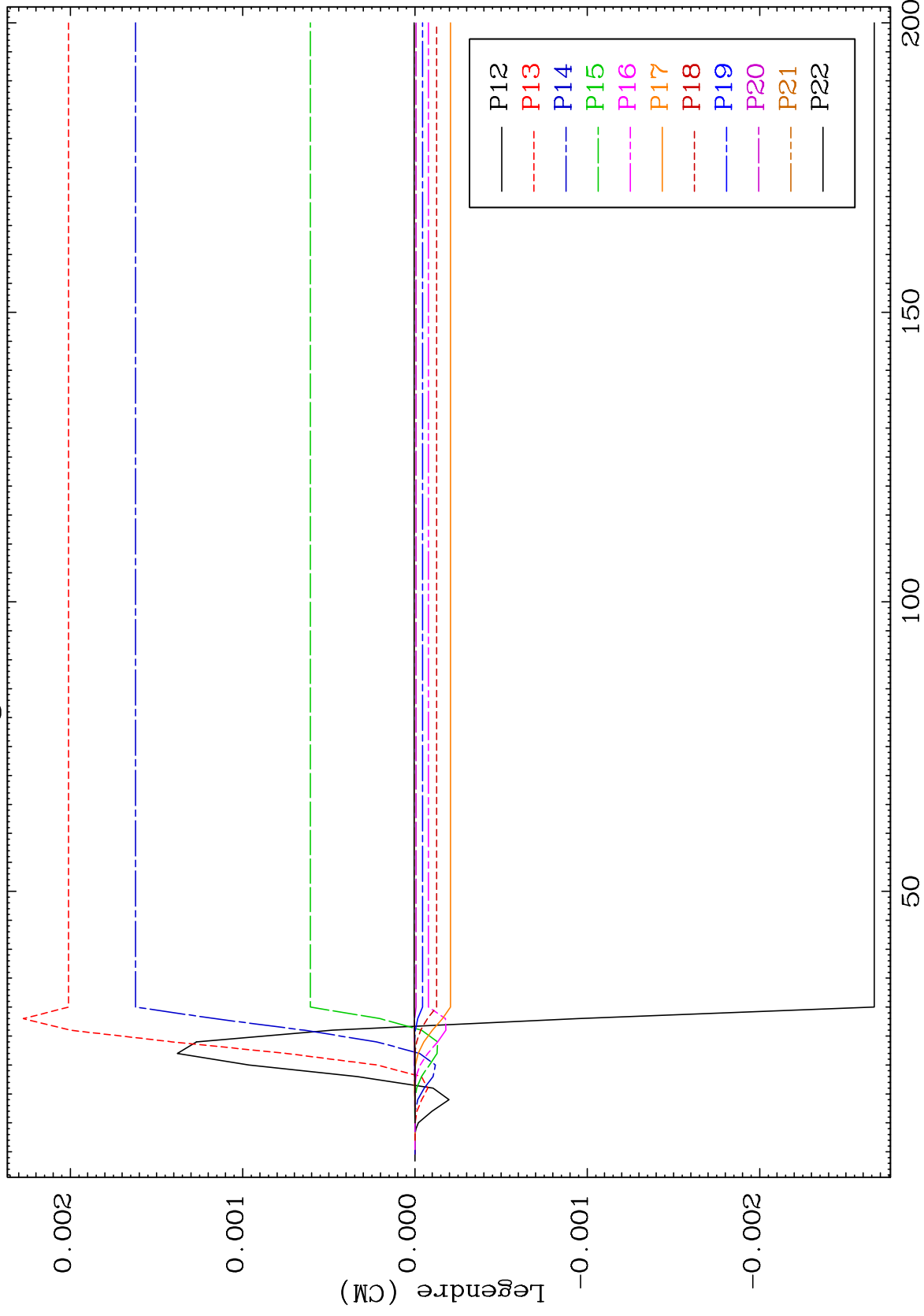
41-Nb-85



MAT 4101

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

41-Nb-85



65

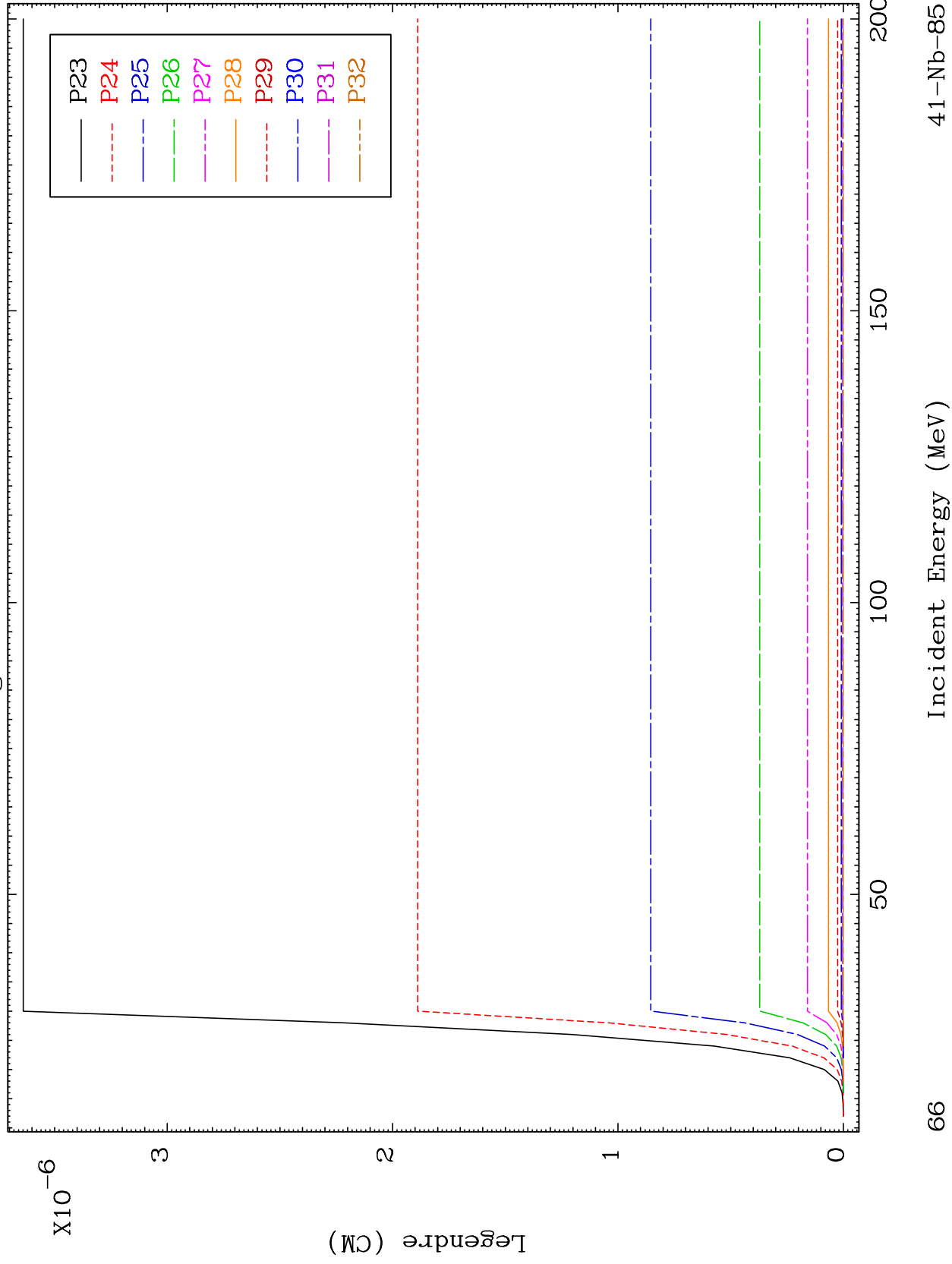
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

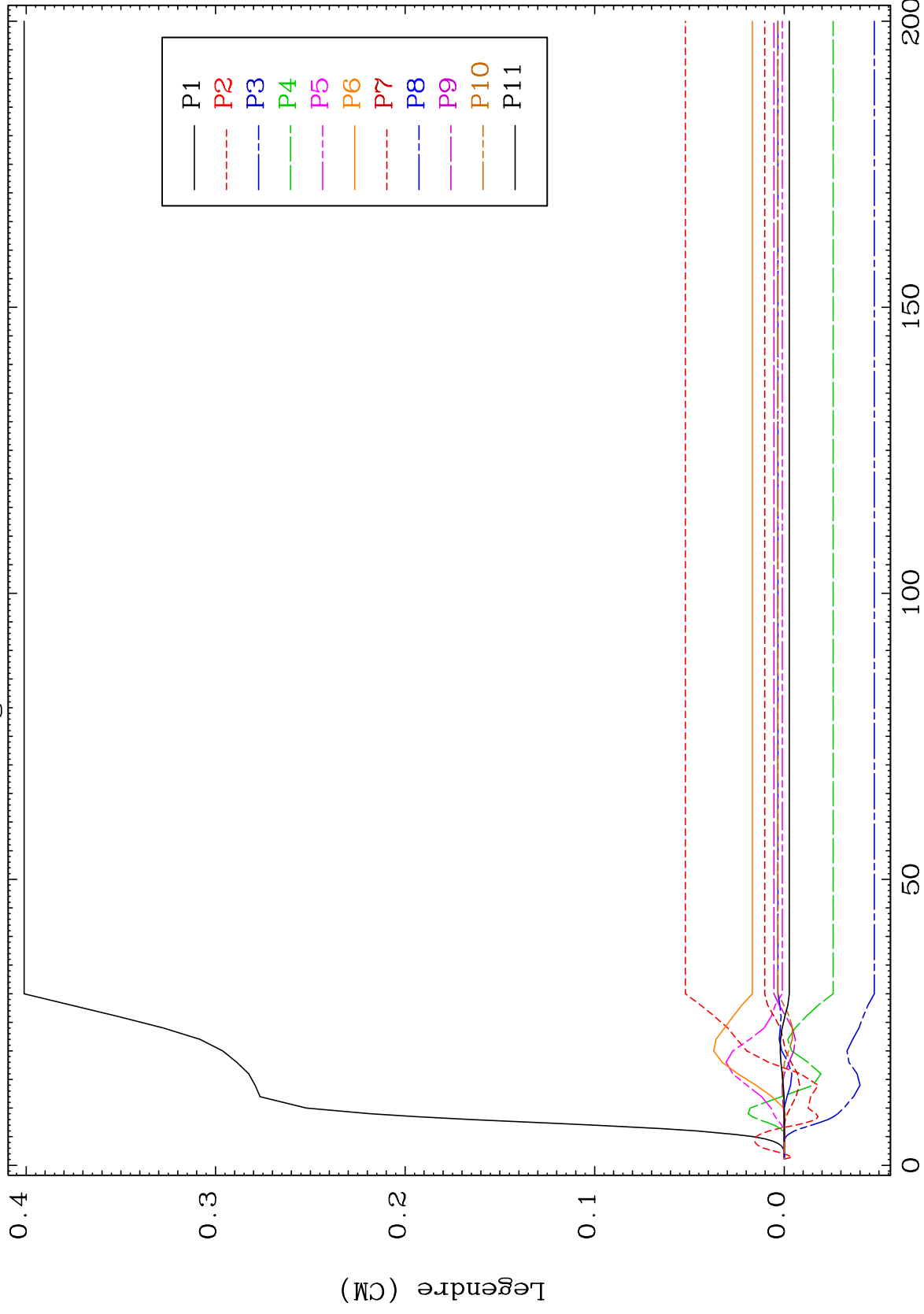
41-Nb-85



MAT 4101

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

41-Nb-85



67

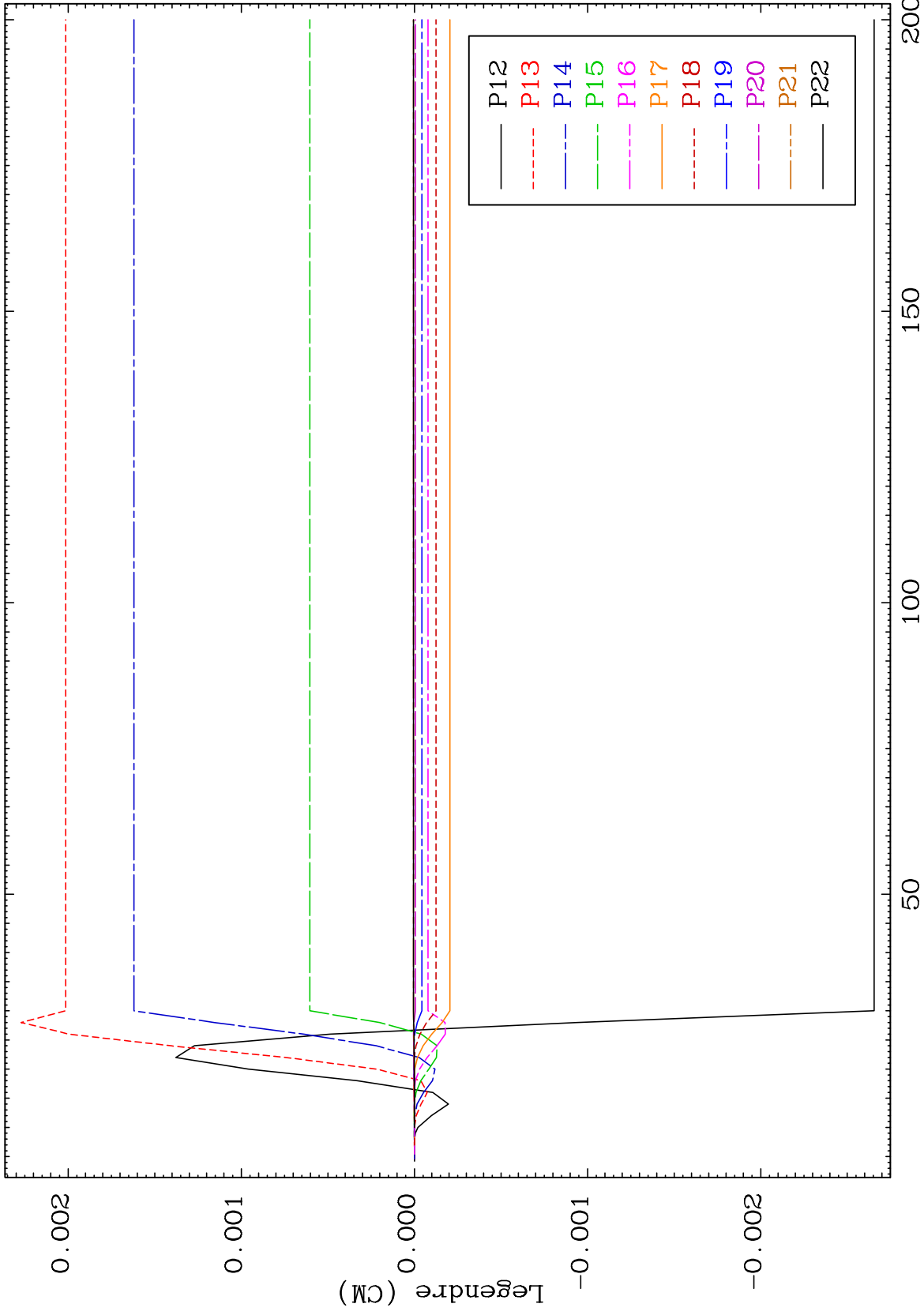
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



68

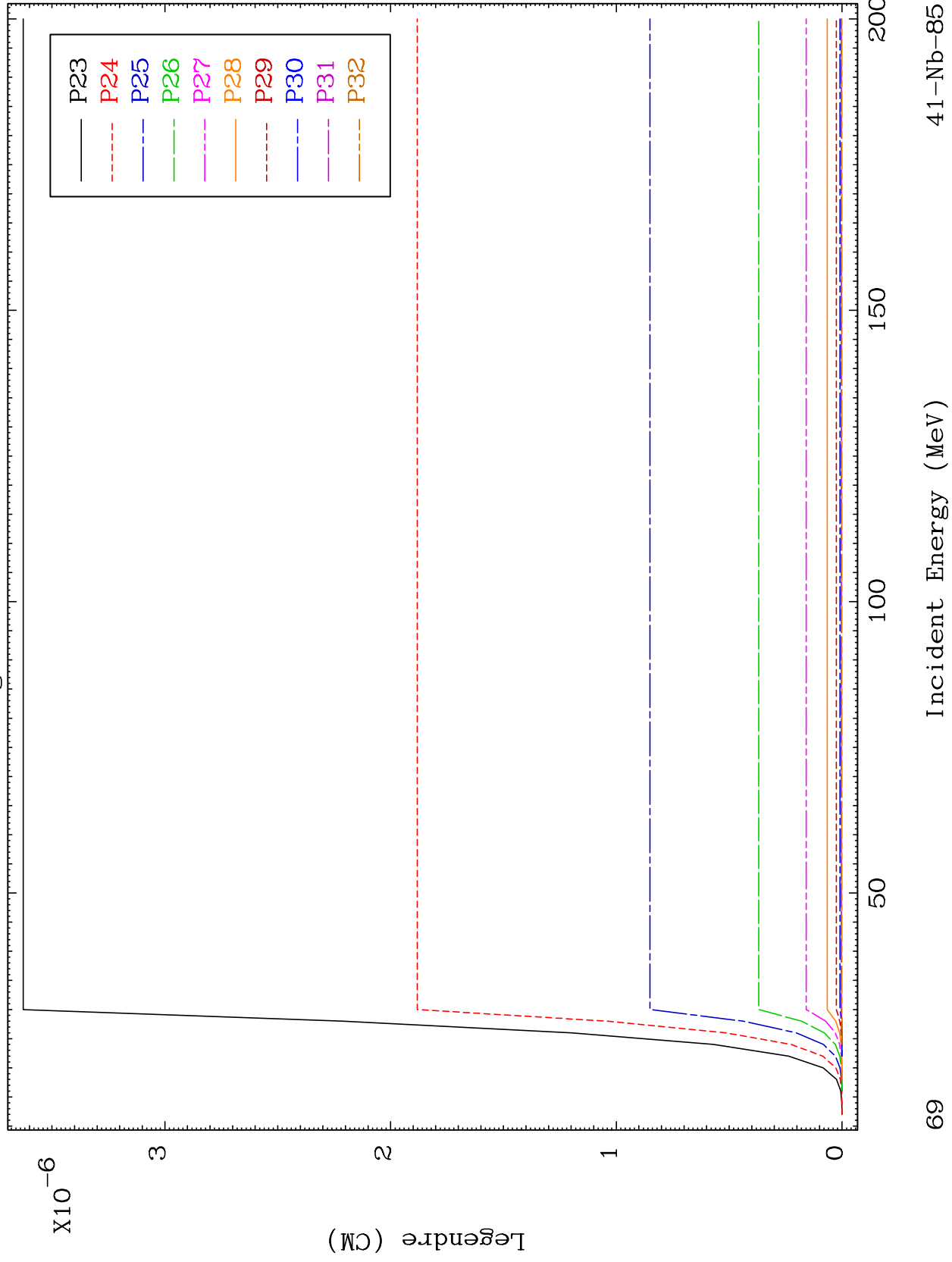
Incident Energy (MeV)

41-Nb-85

MAT 4101

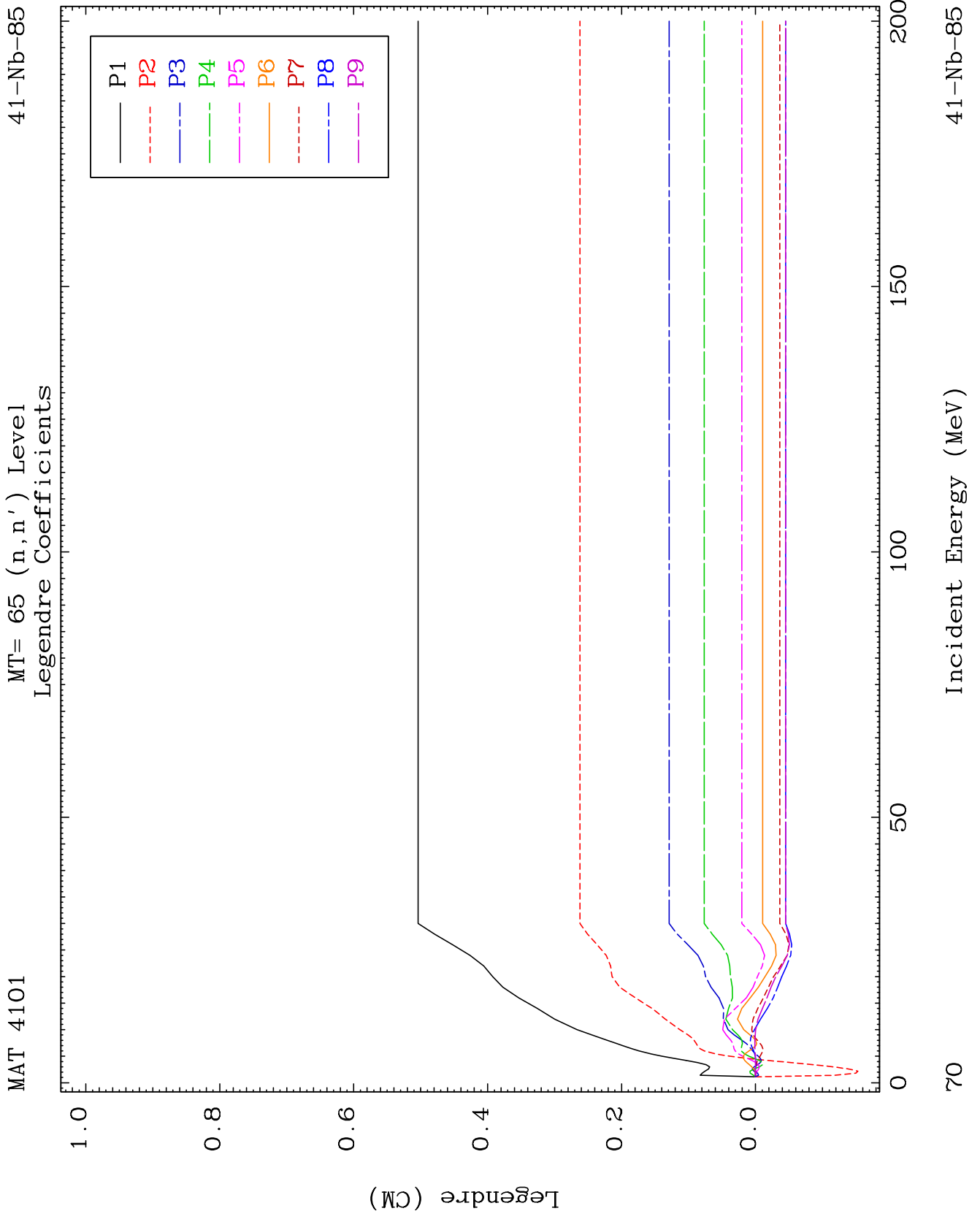
MT= 64 (n,n') Level
Legendre Coefficients

41-Nb-85



69

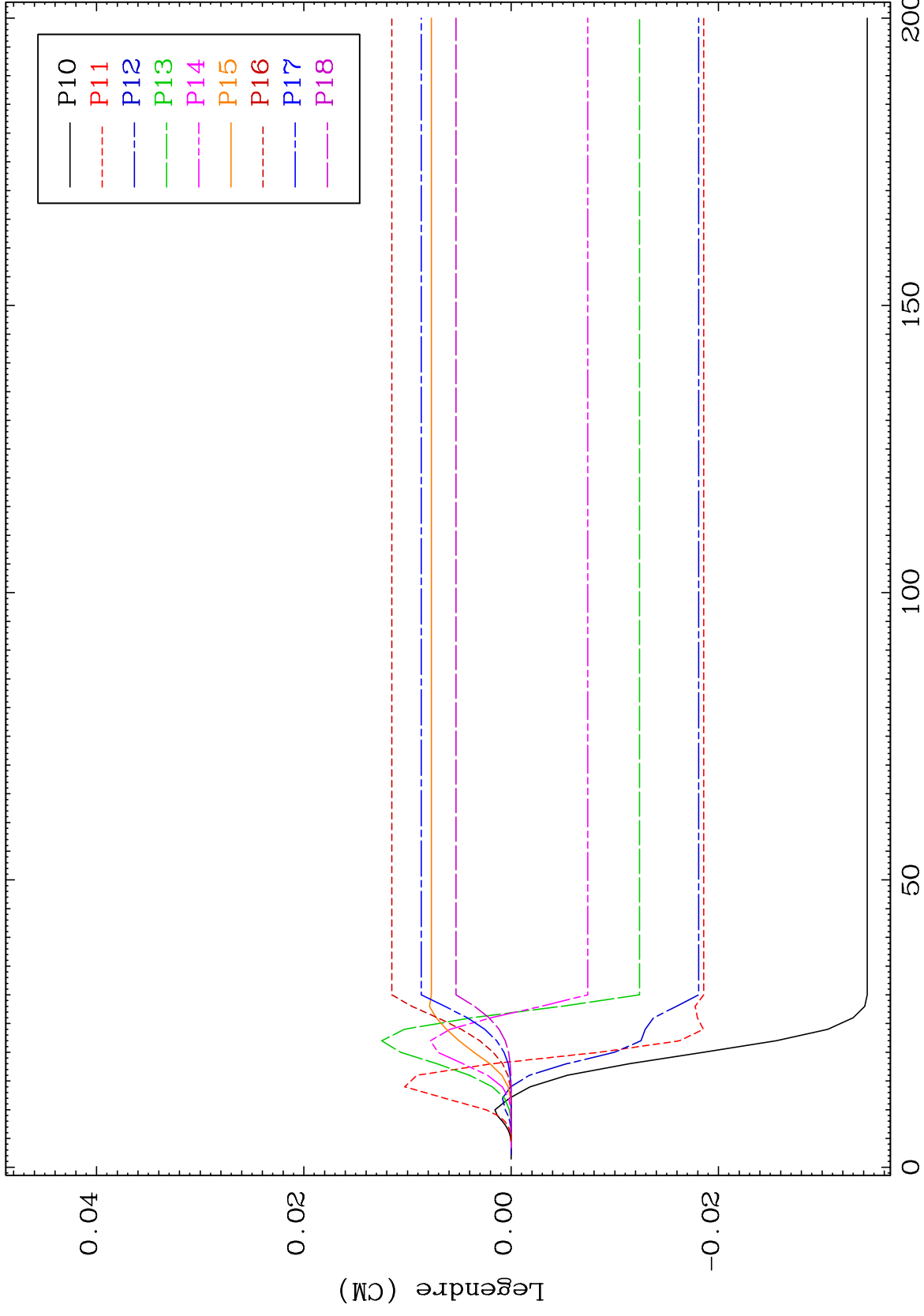
41-Nb-85



MAT 4101

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

41-Nb-85



71

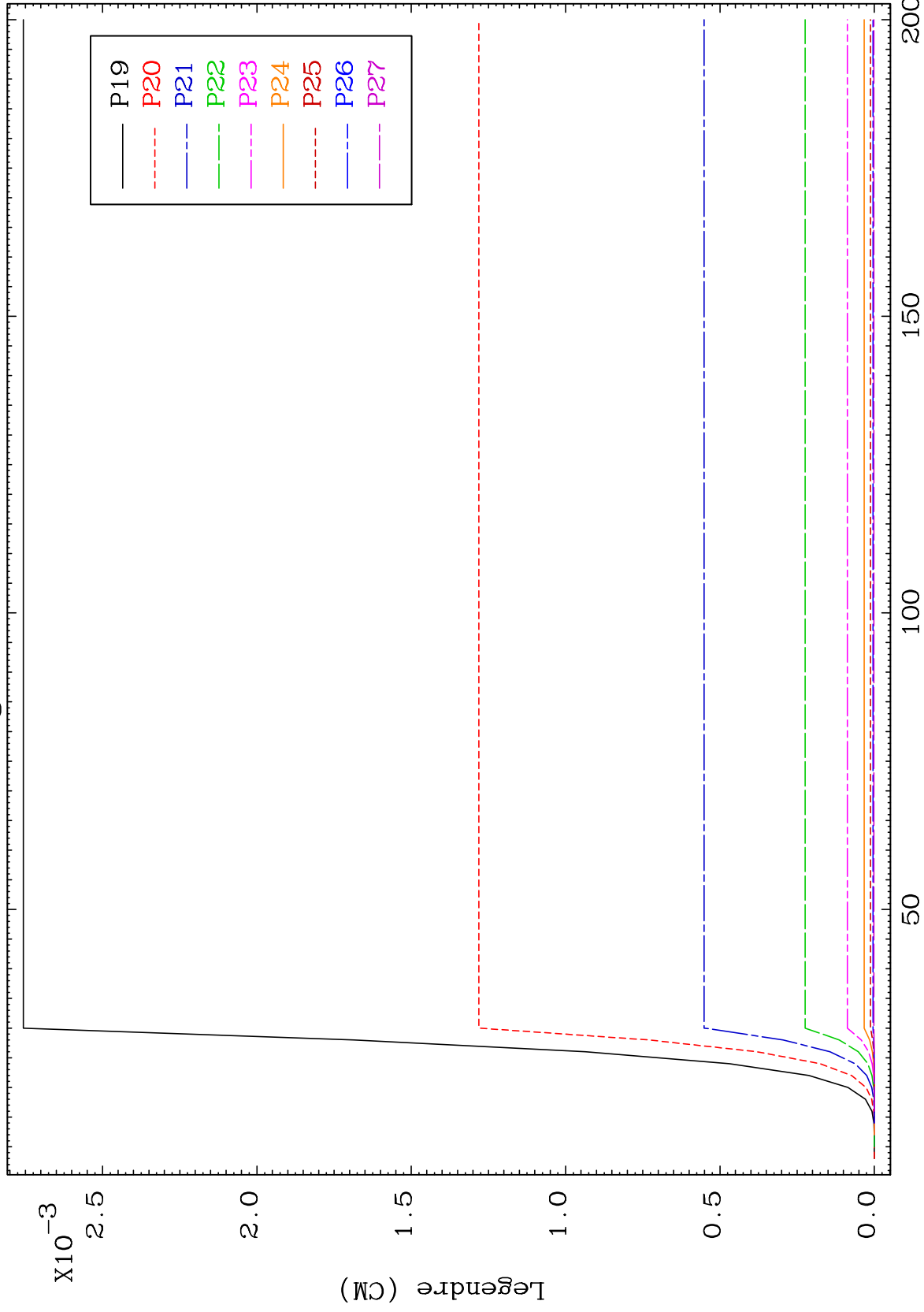
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



72

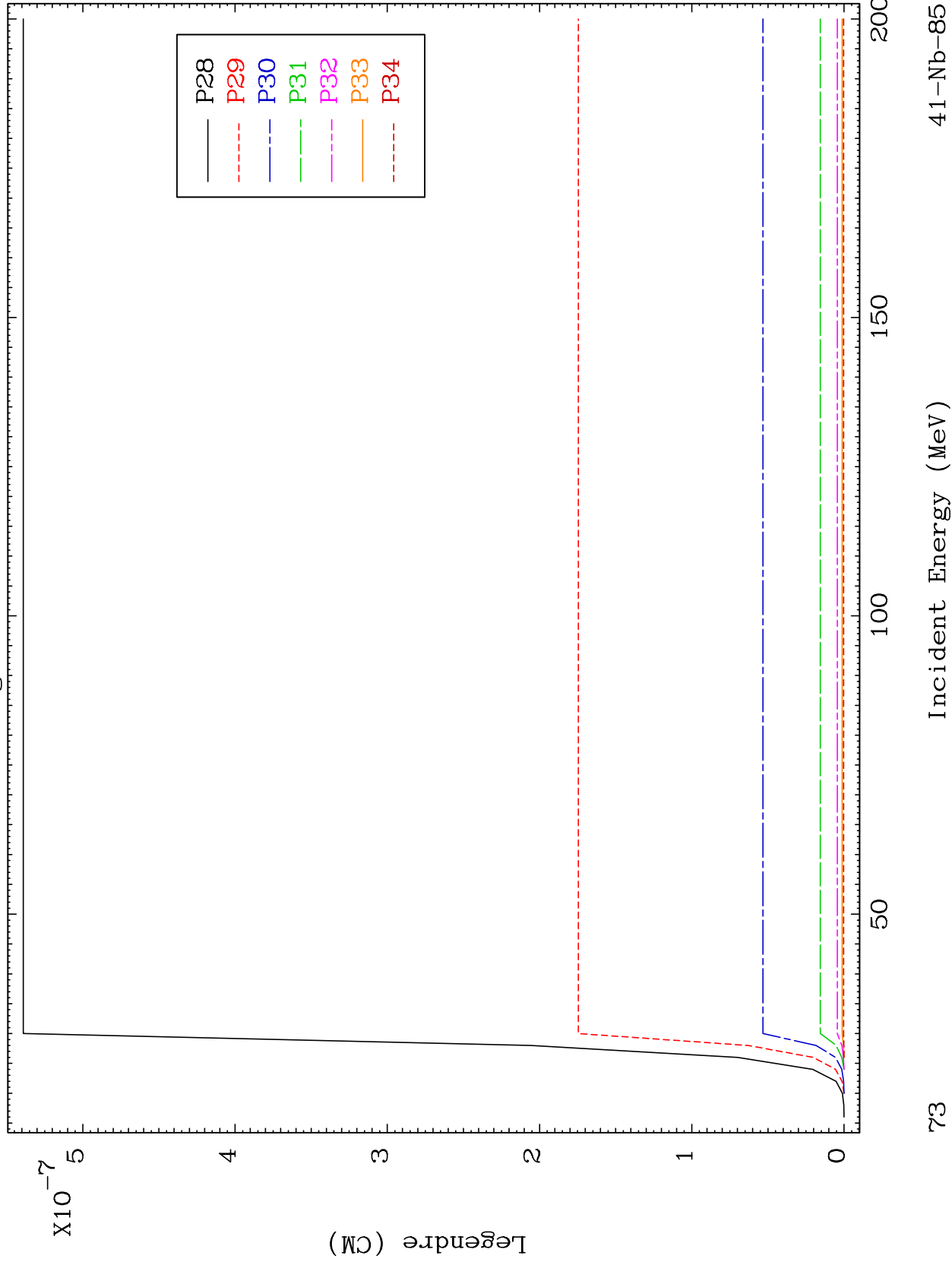
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

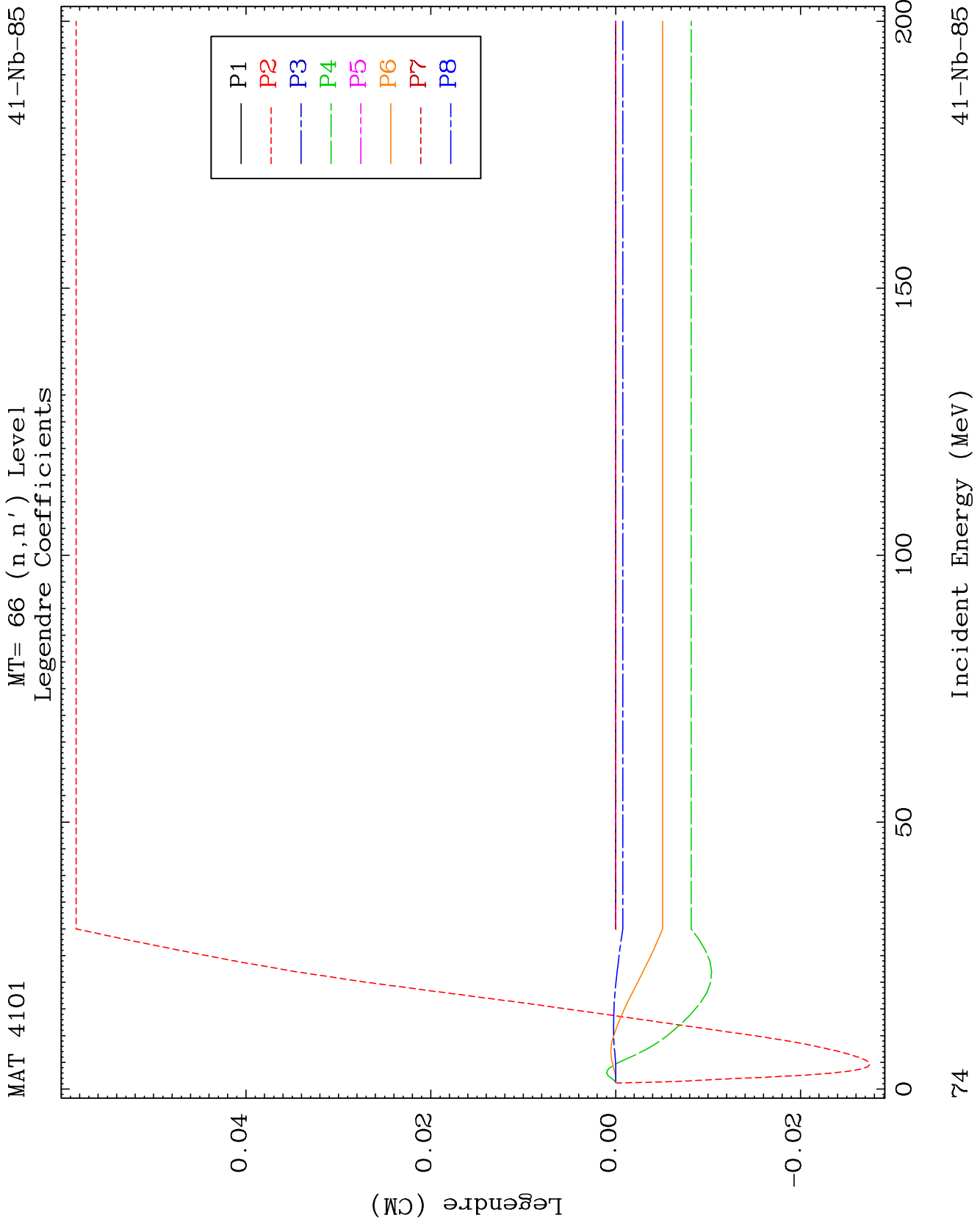
41-Nb-85



73

Incident Energy (MeV)

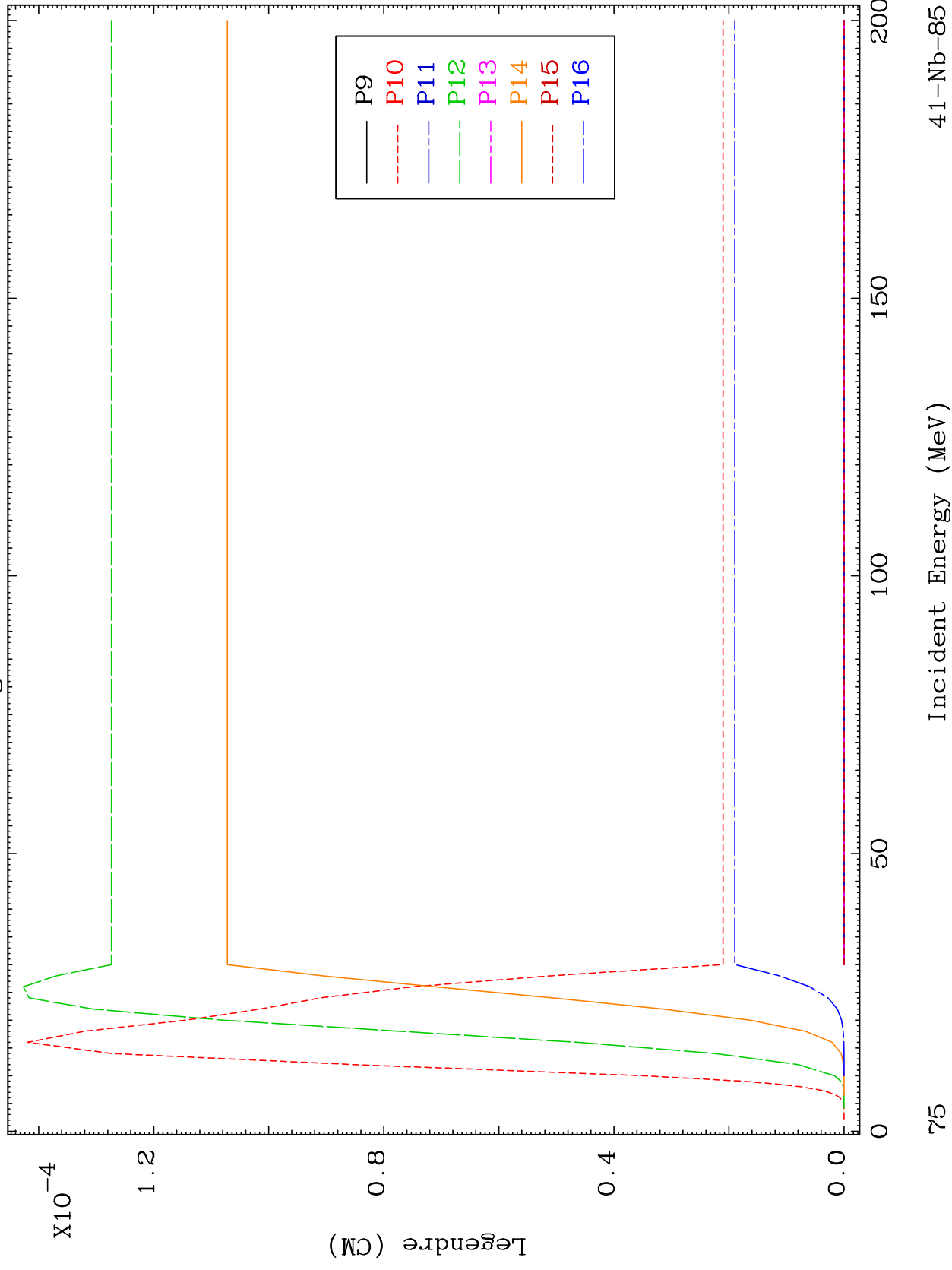
41-Nb-85



MAT 4101

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

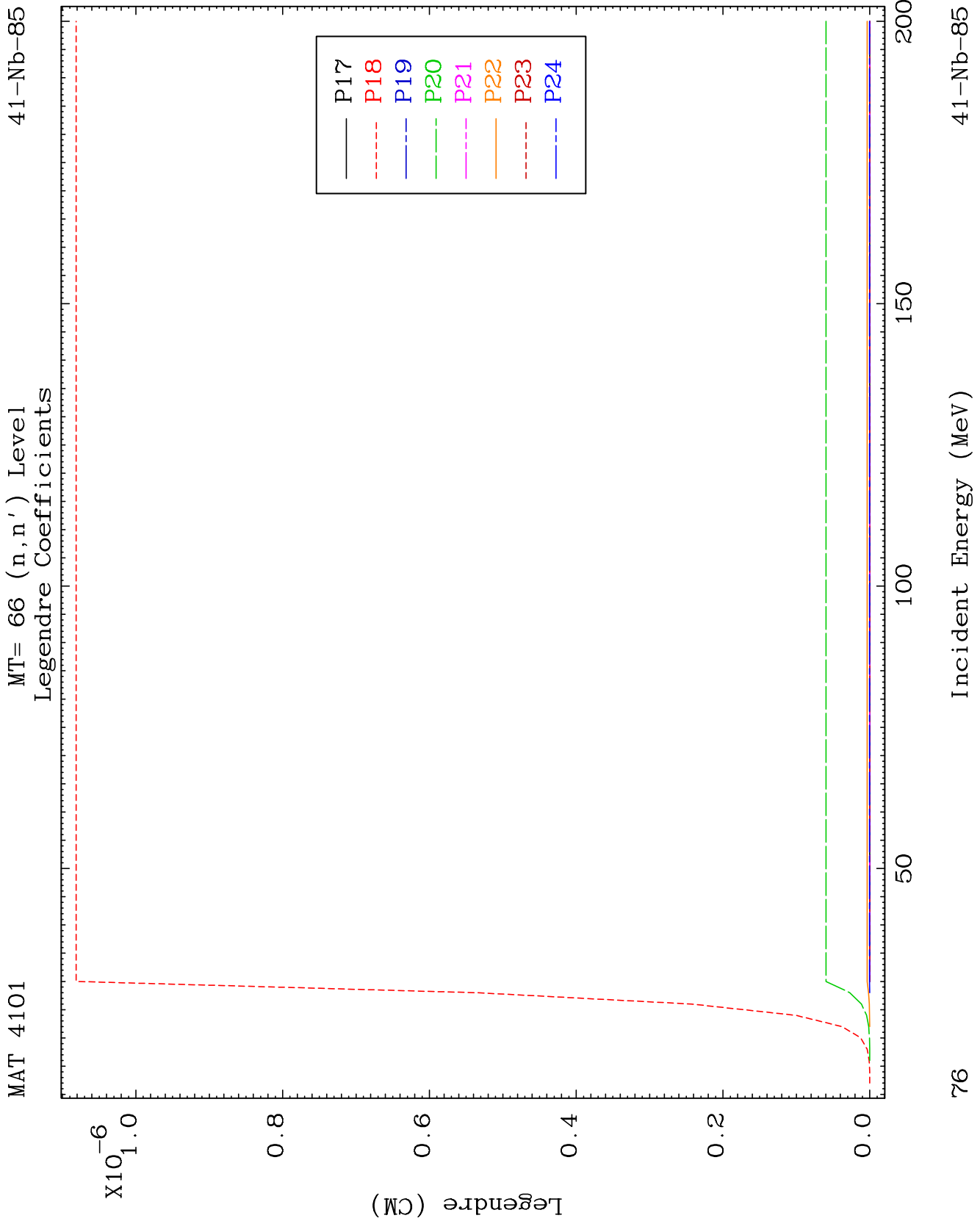
41-Nb-85



41-Nb-85

Incident Energy (MeV)

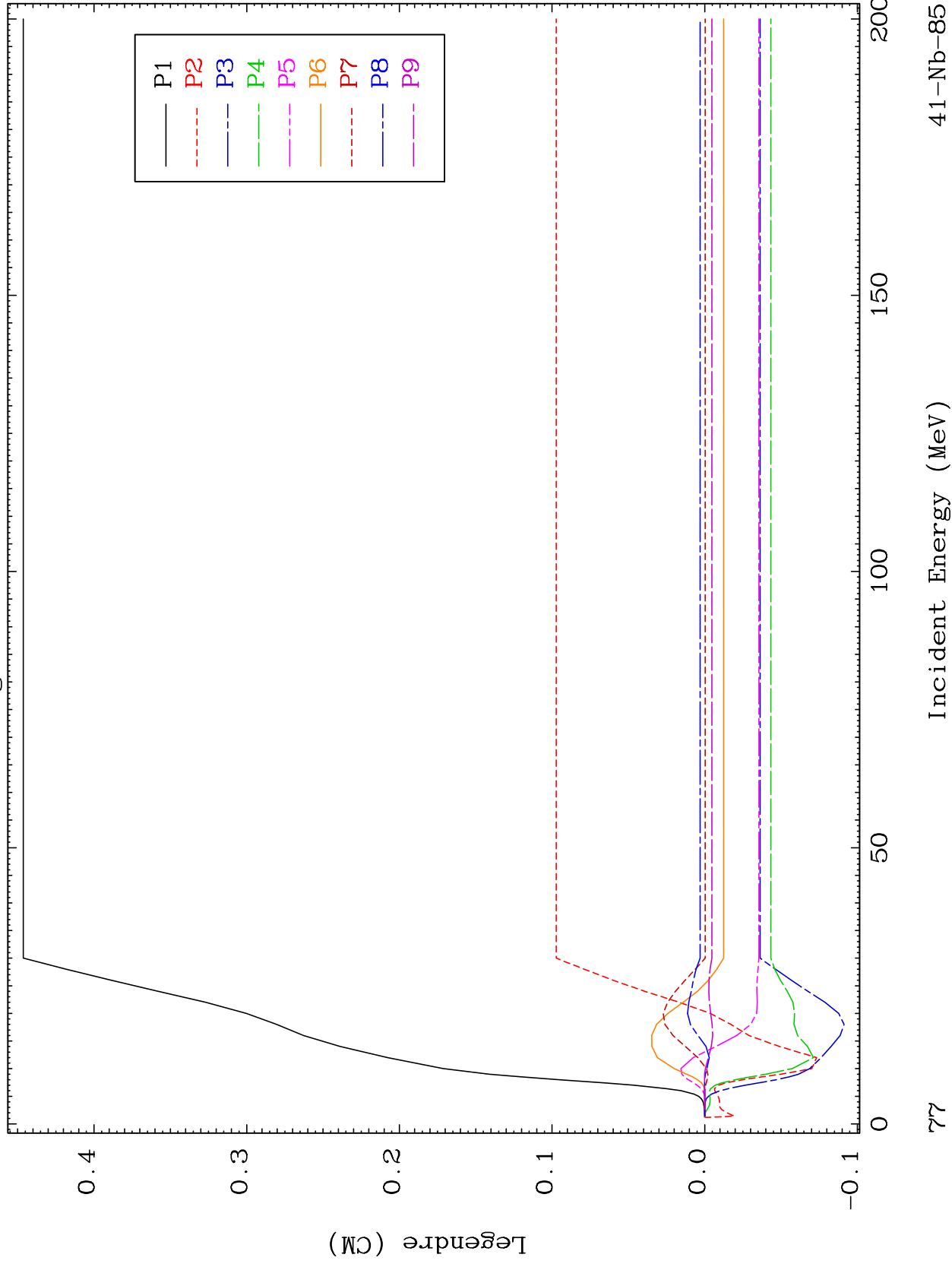
75



MAT 4101

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

41-Nb-85



41-Nb-85

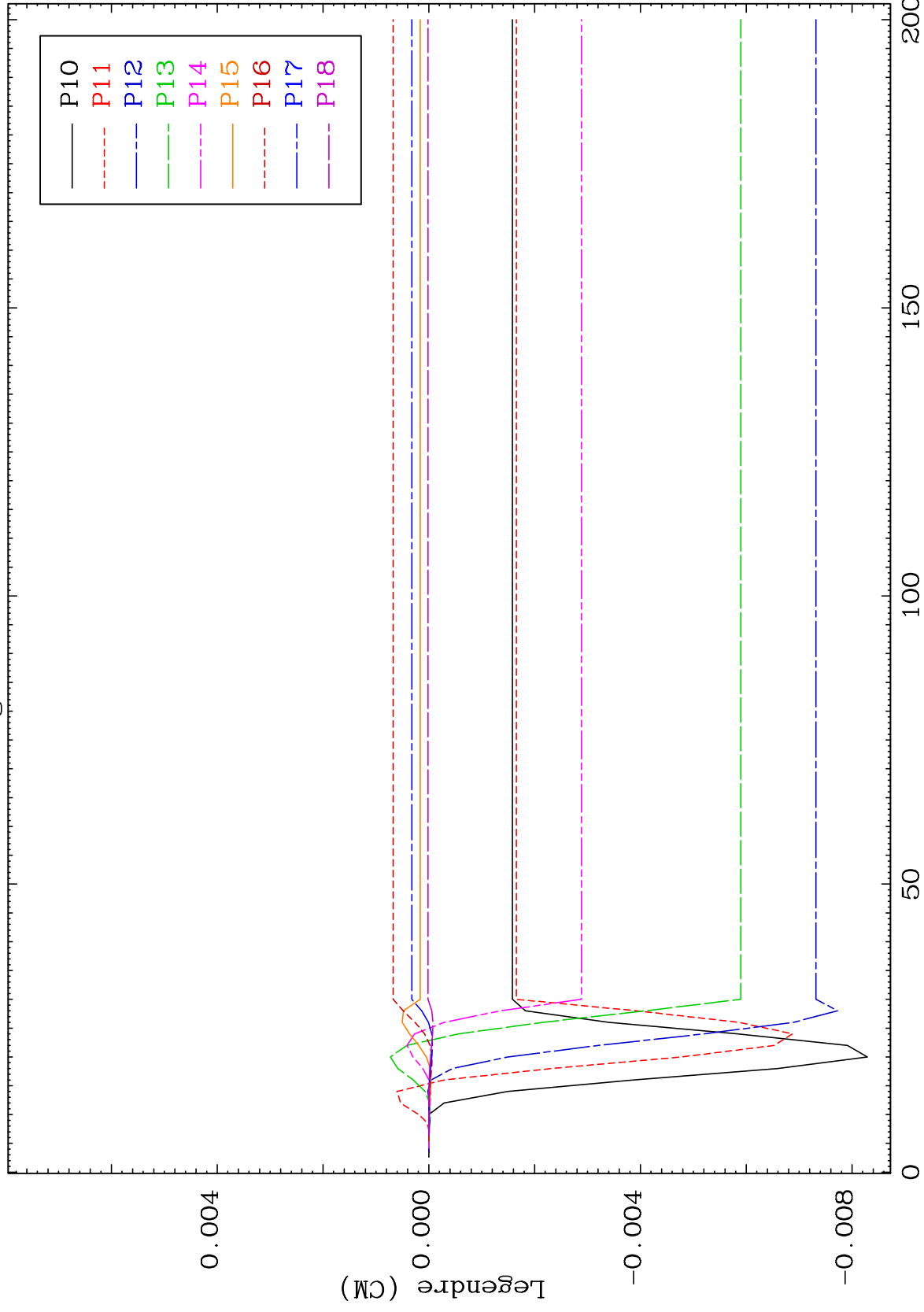
Incident Energy (MeV)

77

MAT 4101

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

41-Nb-85



78

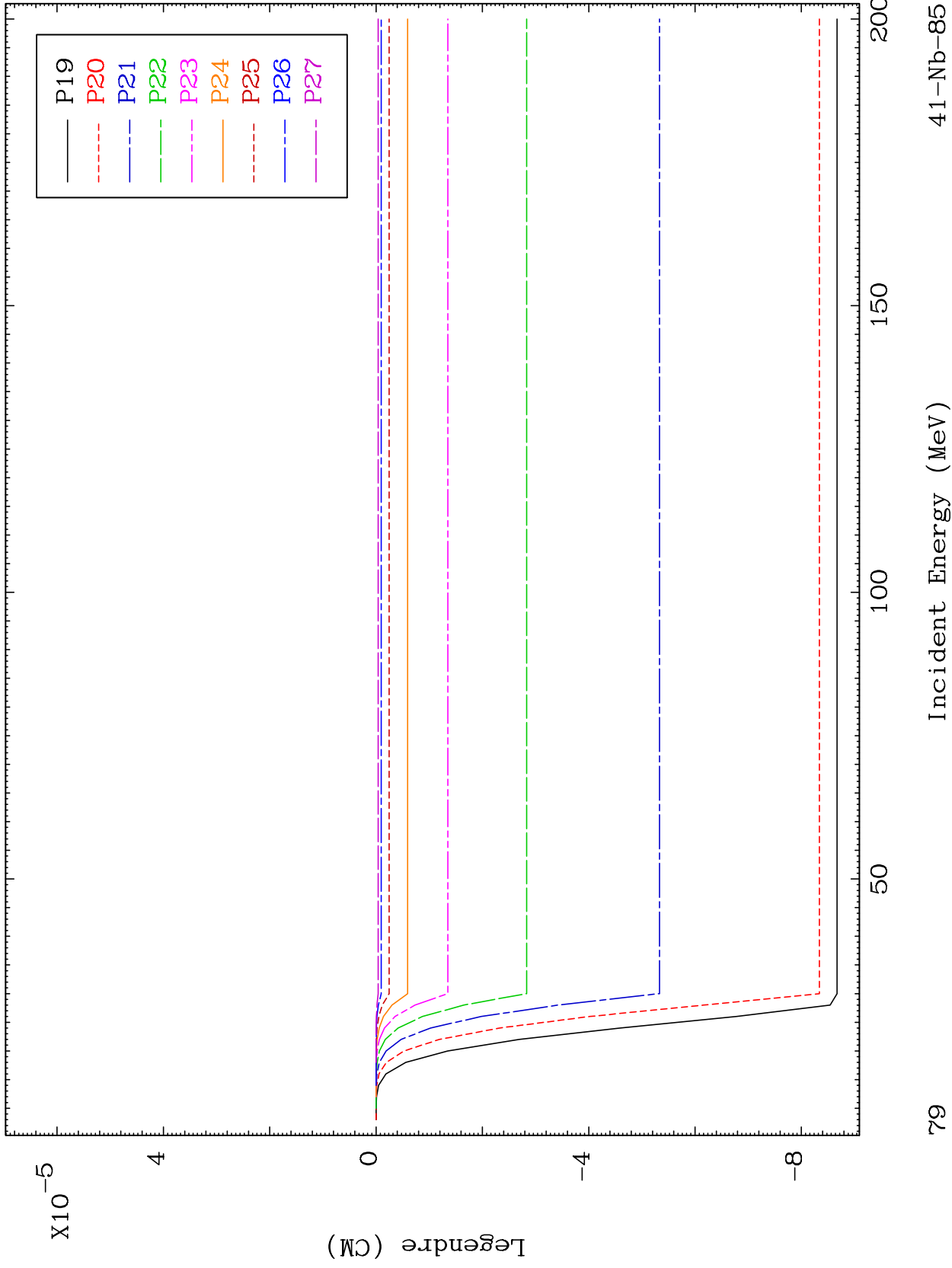
Incident Energy (MeV)

41-Nb-85

MAT 4101

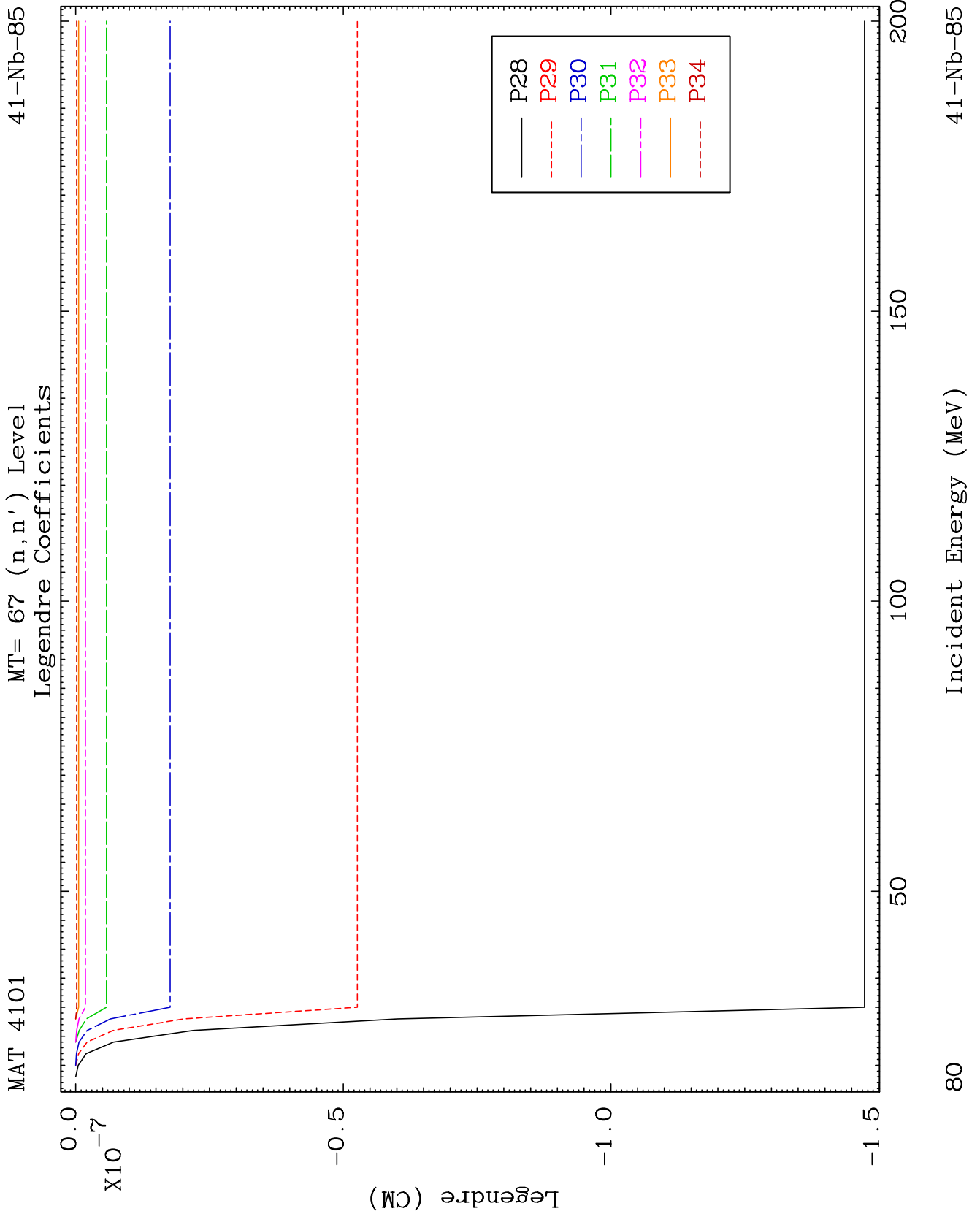
MT= 67 (n,n') Level
Legendre Coefficients

41-Nb-85



79

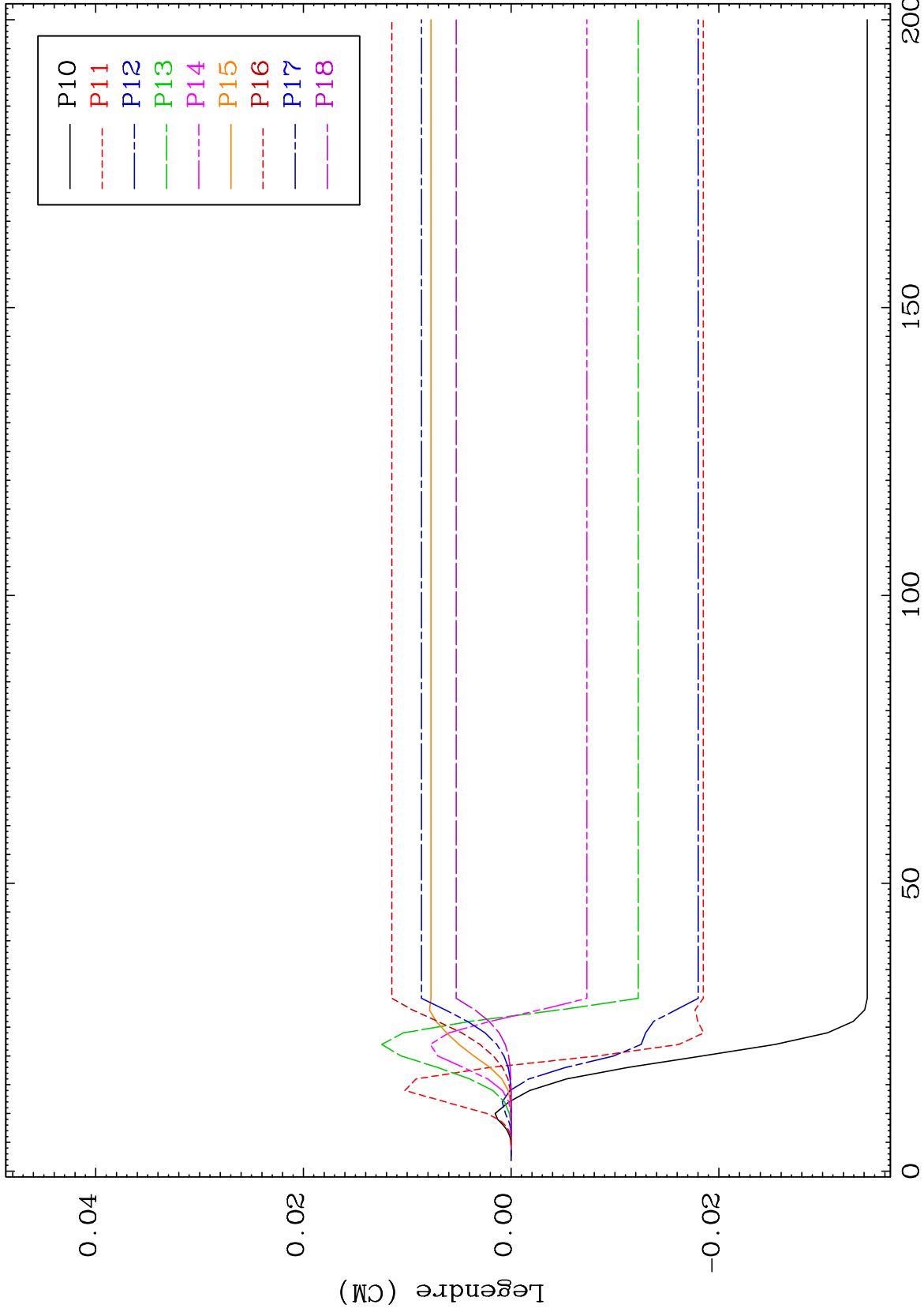
41-Nb-85



MAT 4101

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

41-Nb-85



82

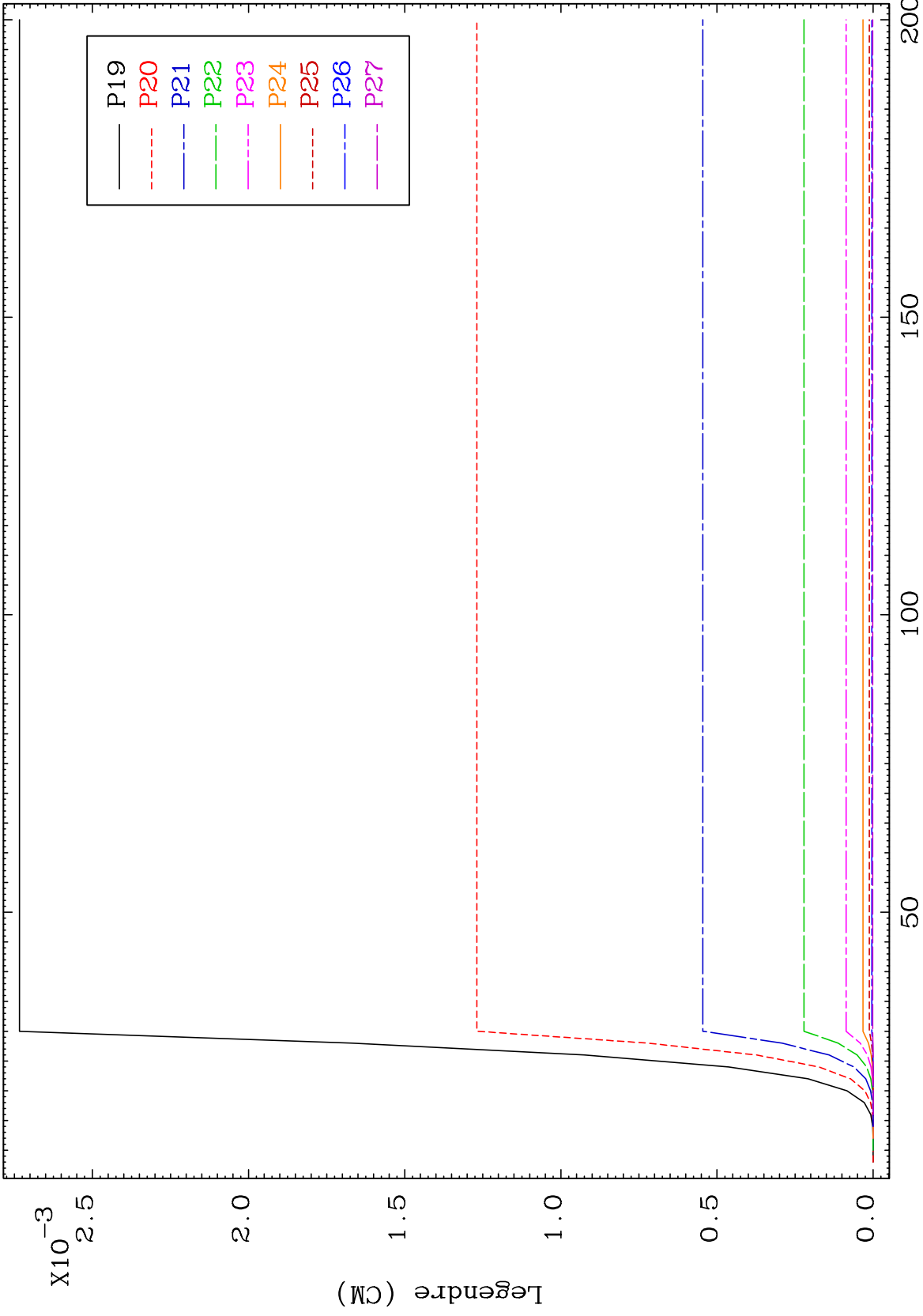
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



83

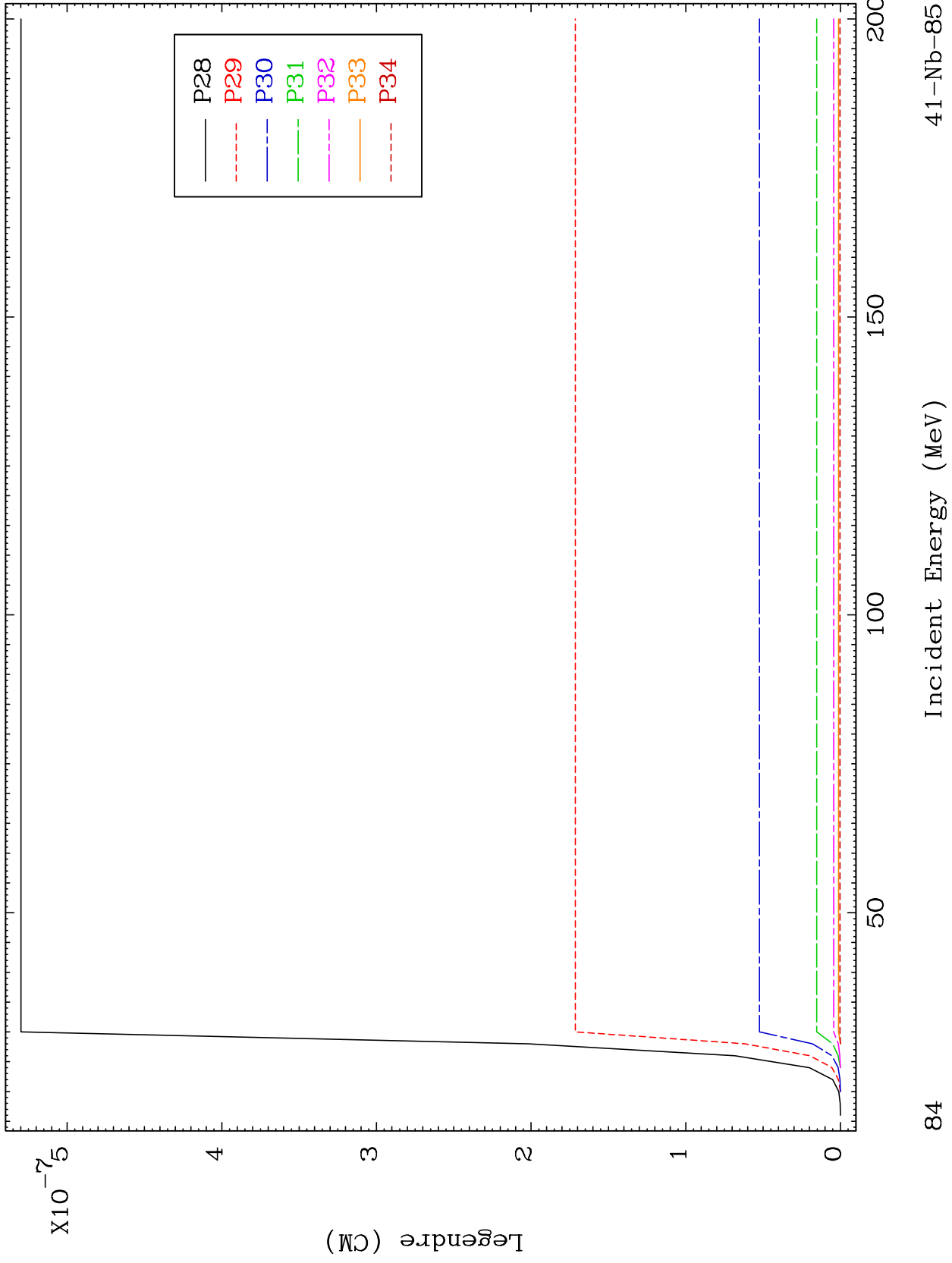
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

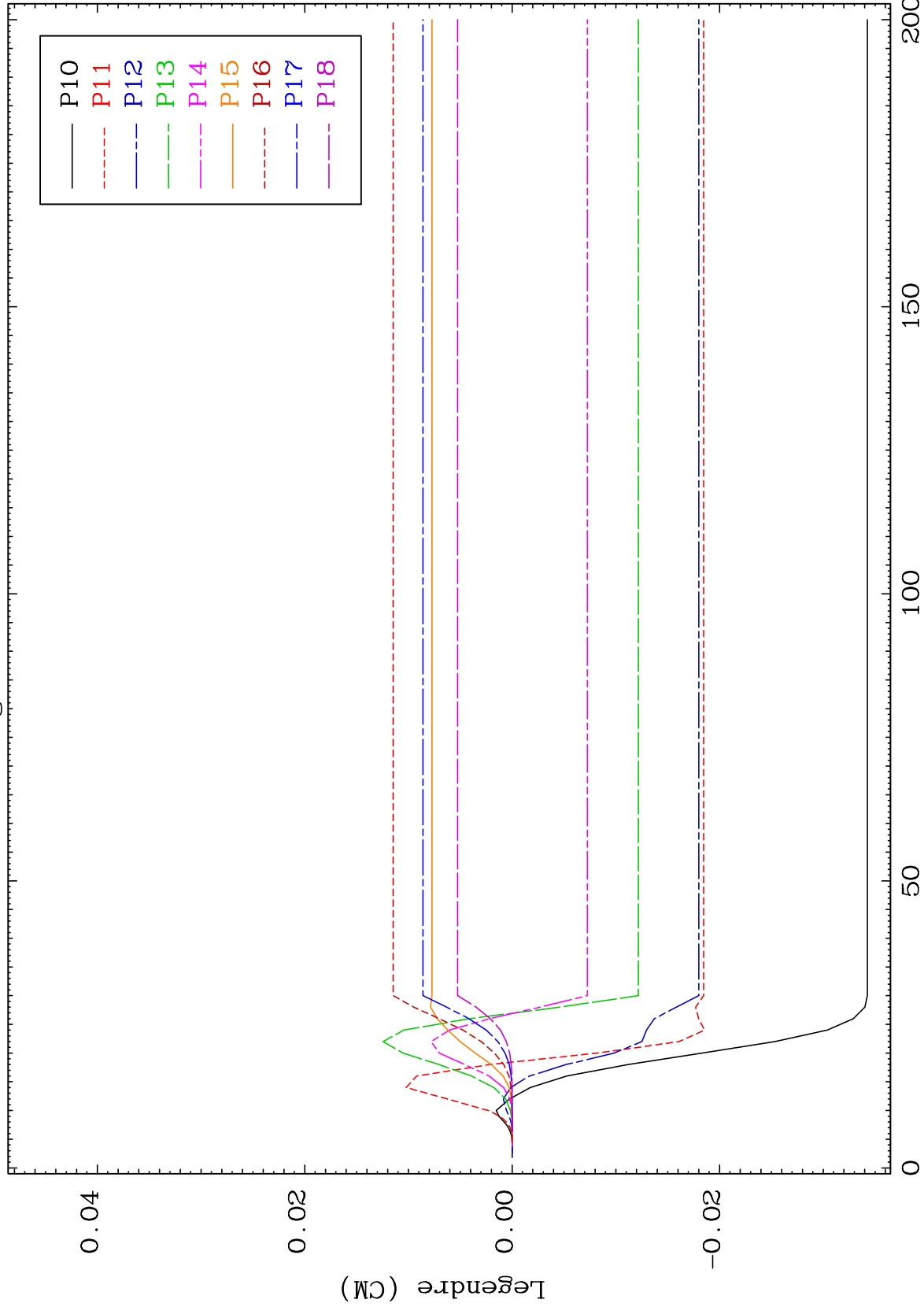
41-Nb-85



MAT 4101

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

41-Nb-85



86

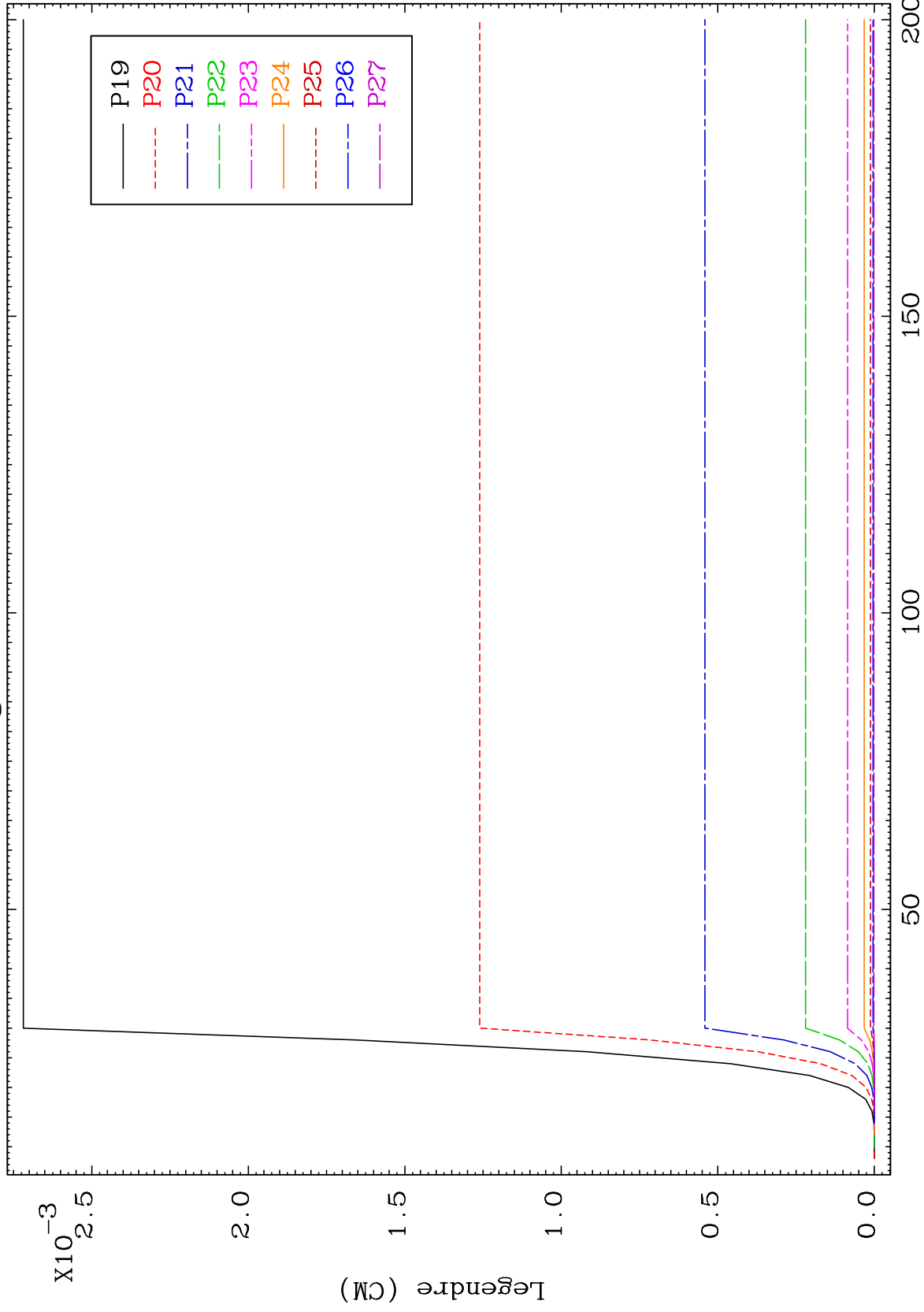
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



87

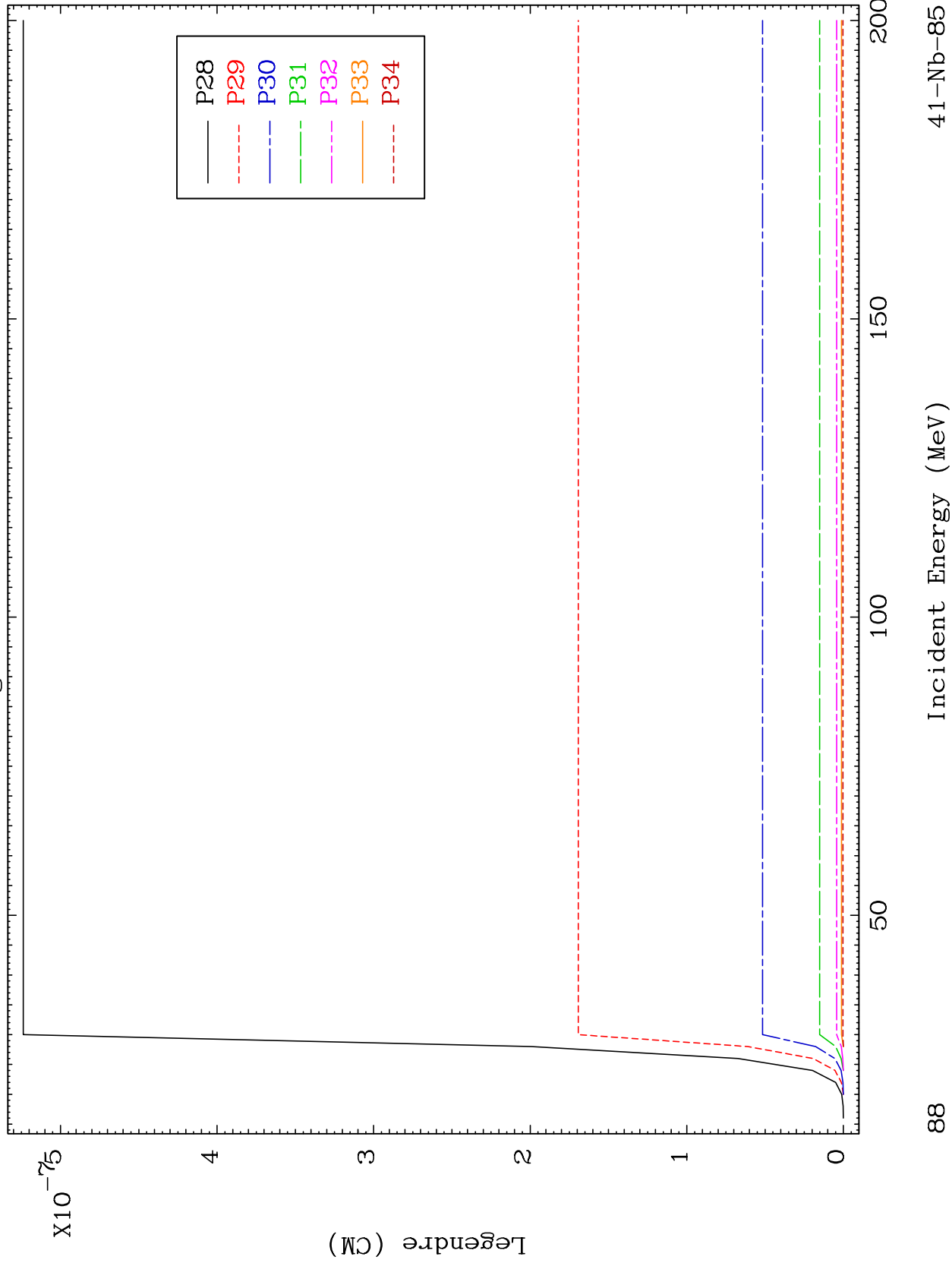
Incident Energy (MeV)

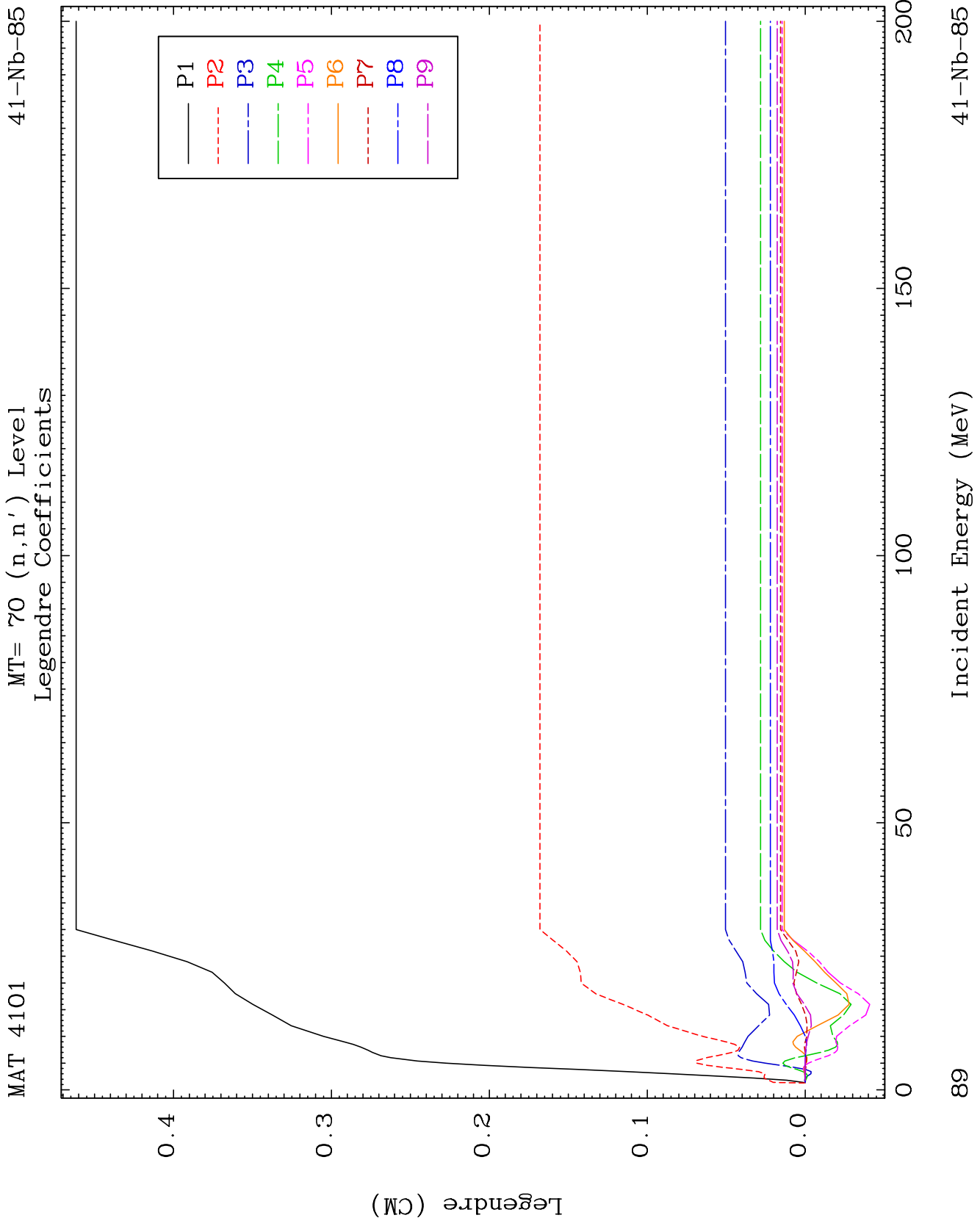
41-Nb-85

MAT 4101

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

41-Nb-85

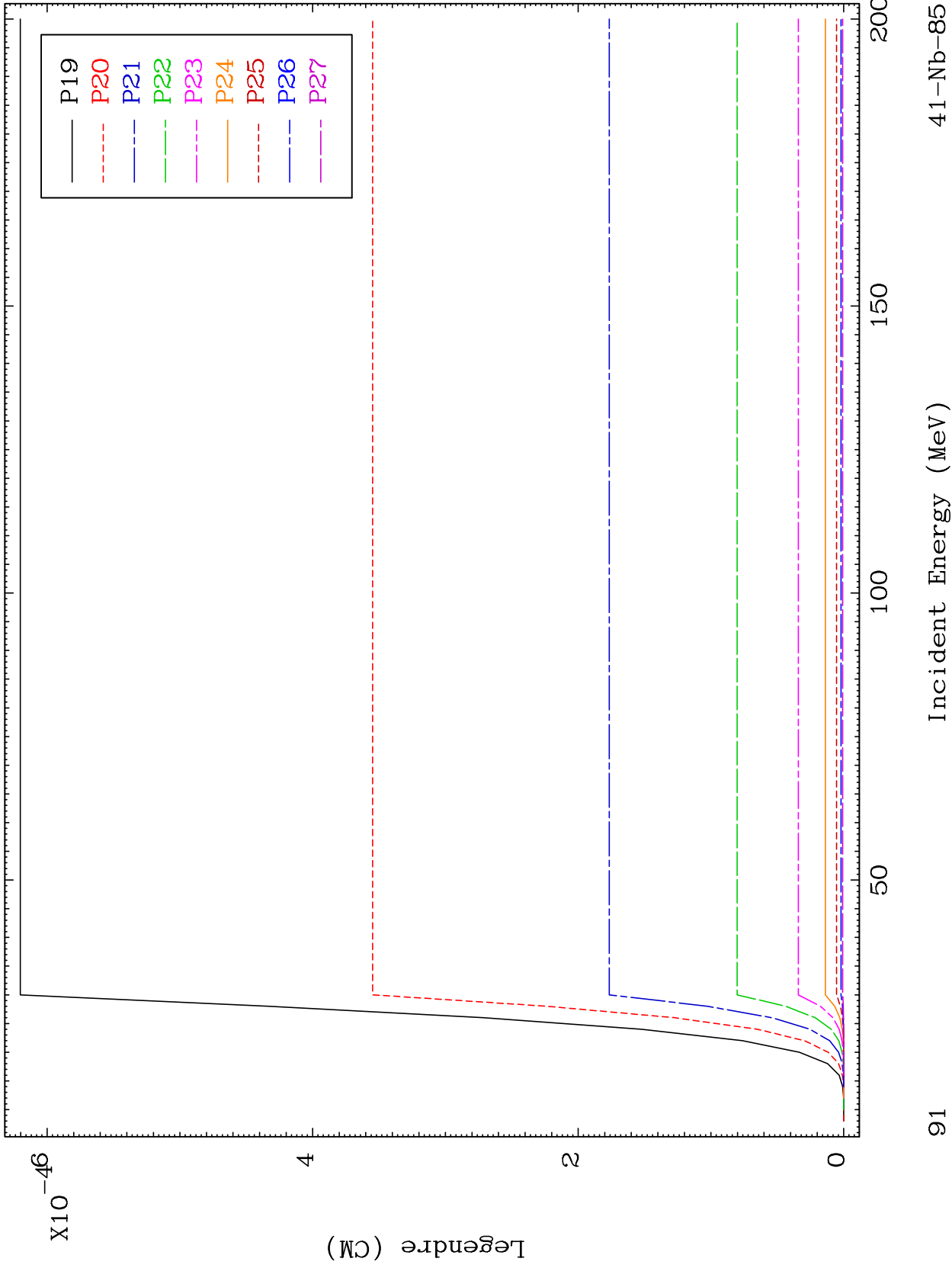




MAT 4101

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

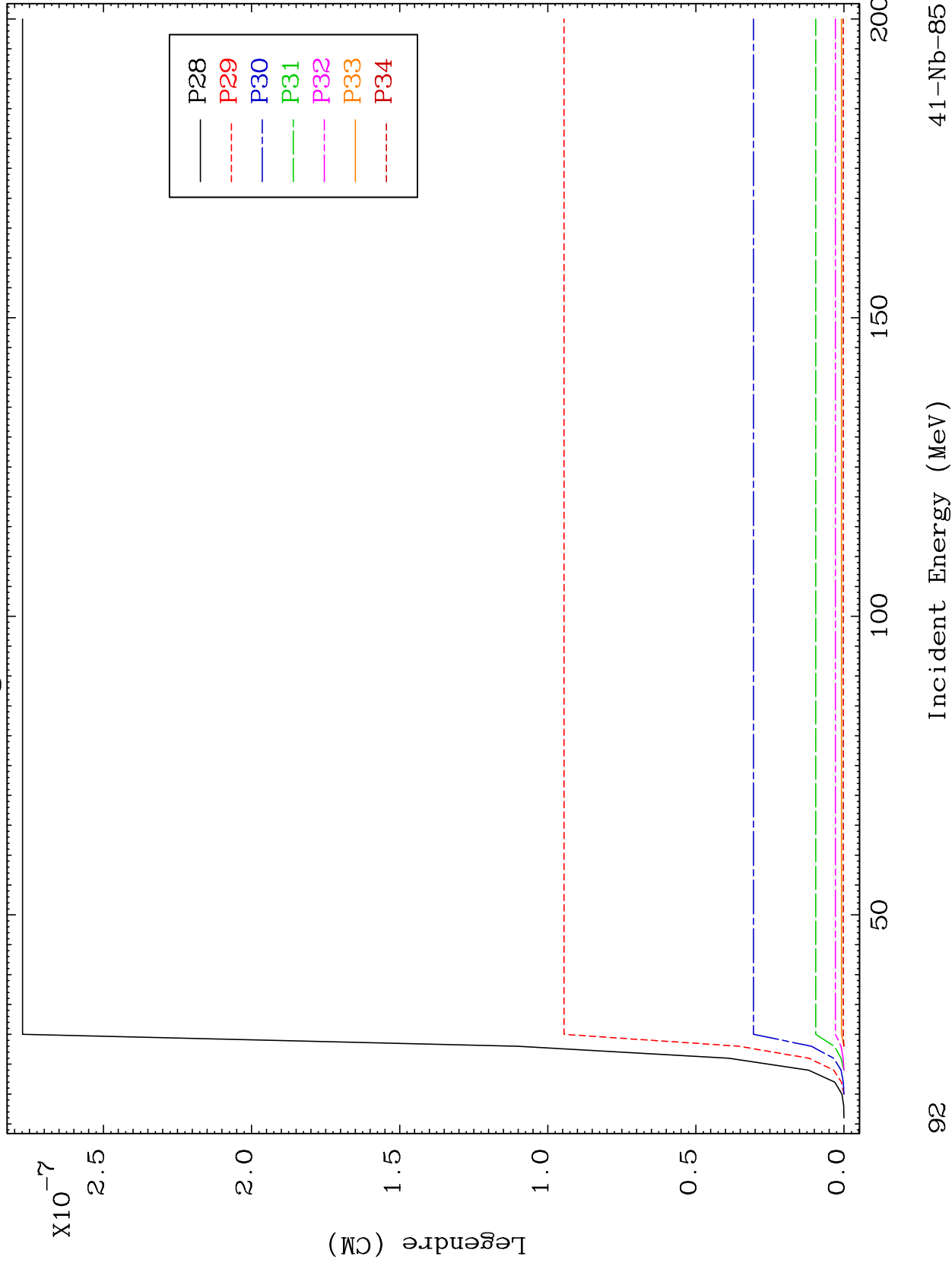
41-Nb-85



MAT 4101

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

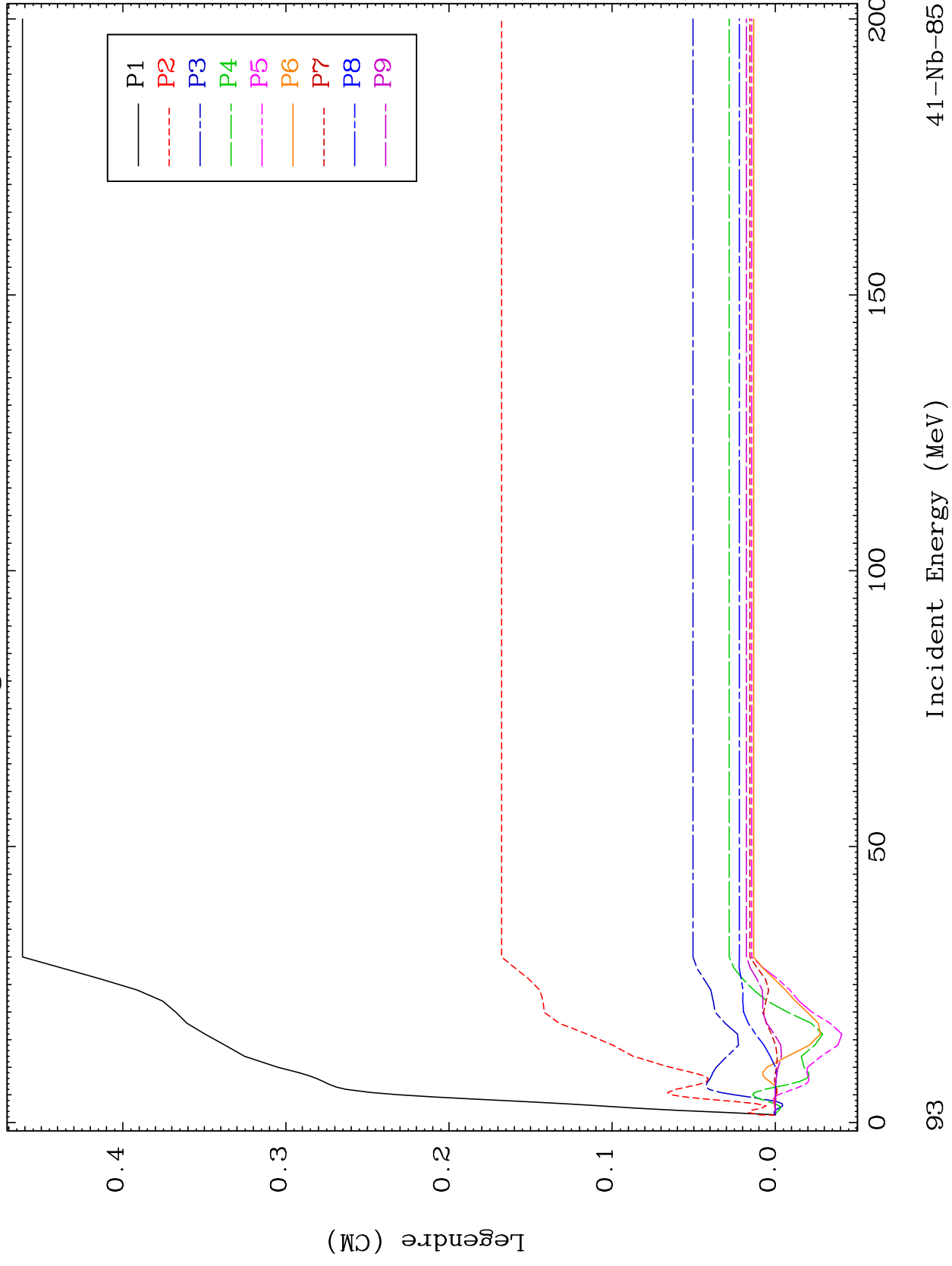
41-Nb-85



MAT 4101

41-Nb-85

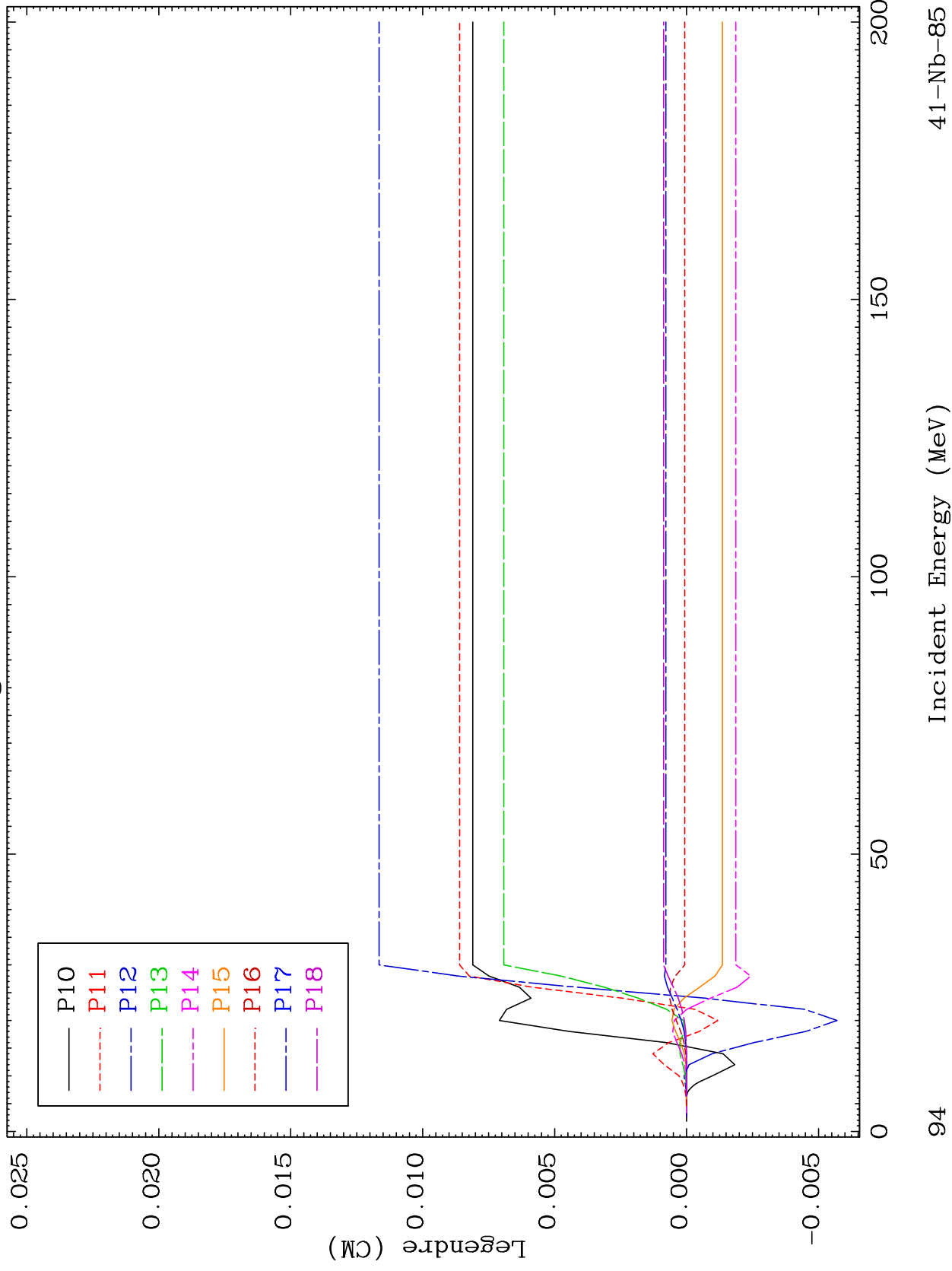
MT= 71 (n,n') Level
Legendre Coefficients



MAT 4101

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

41-Nb-85



94

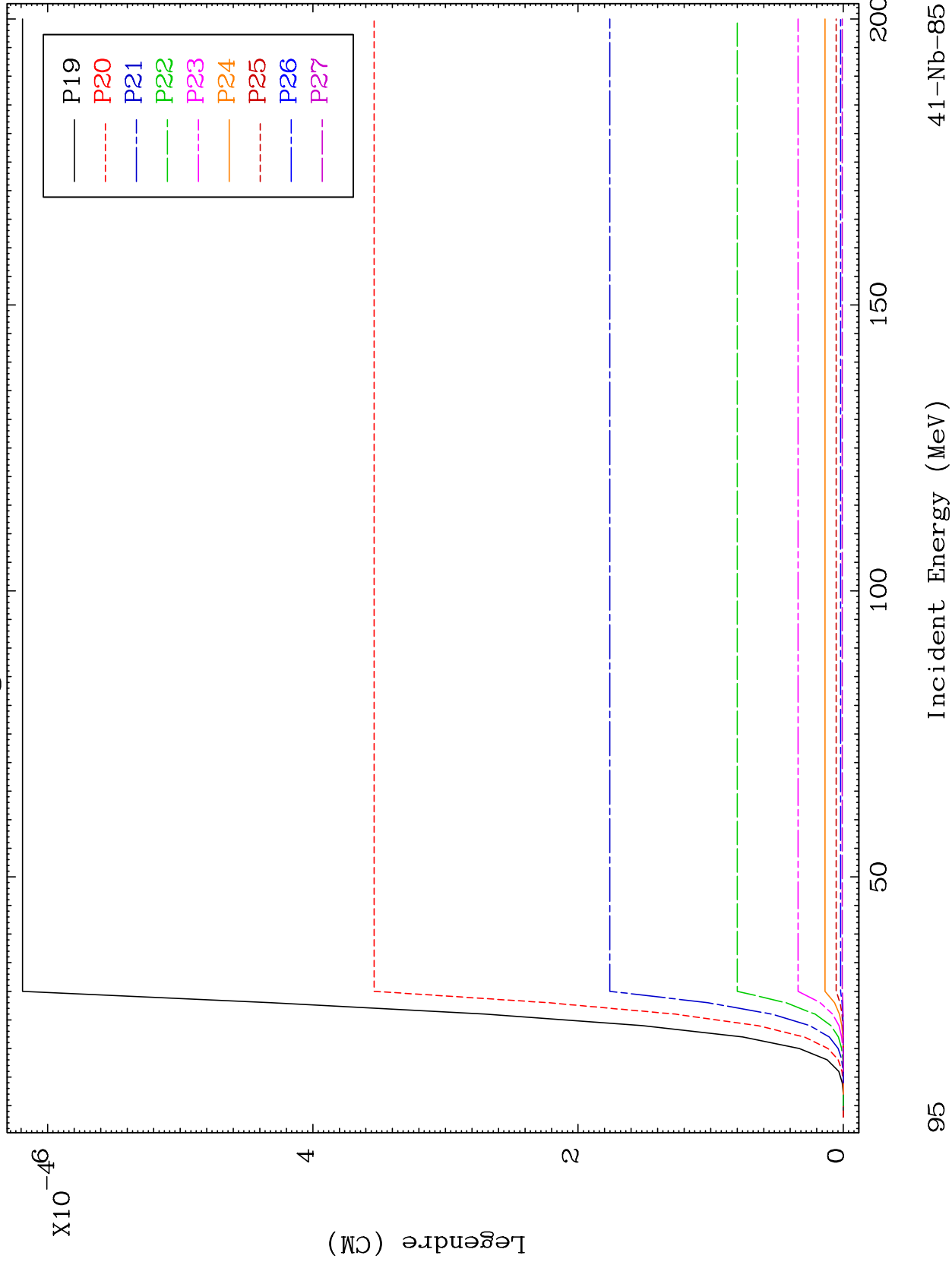
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



95

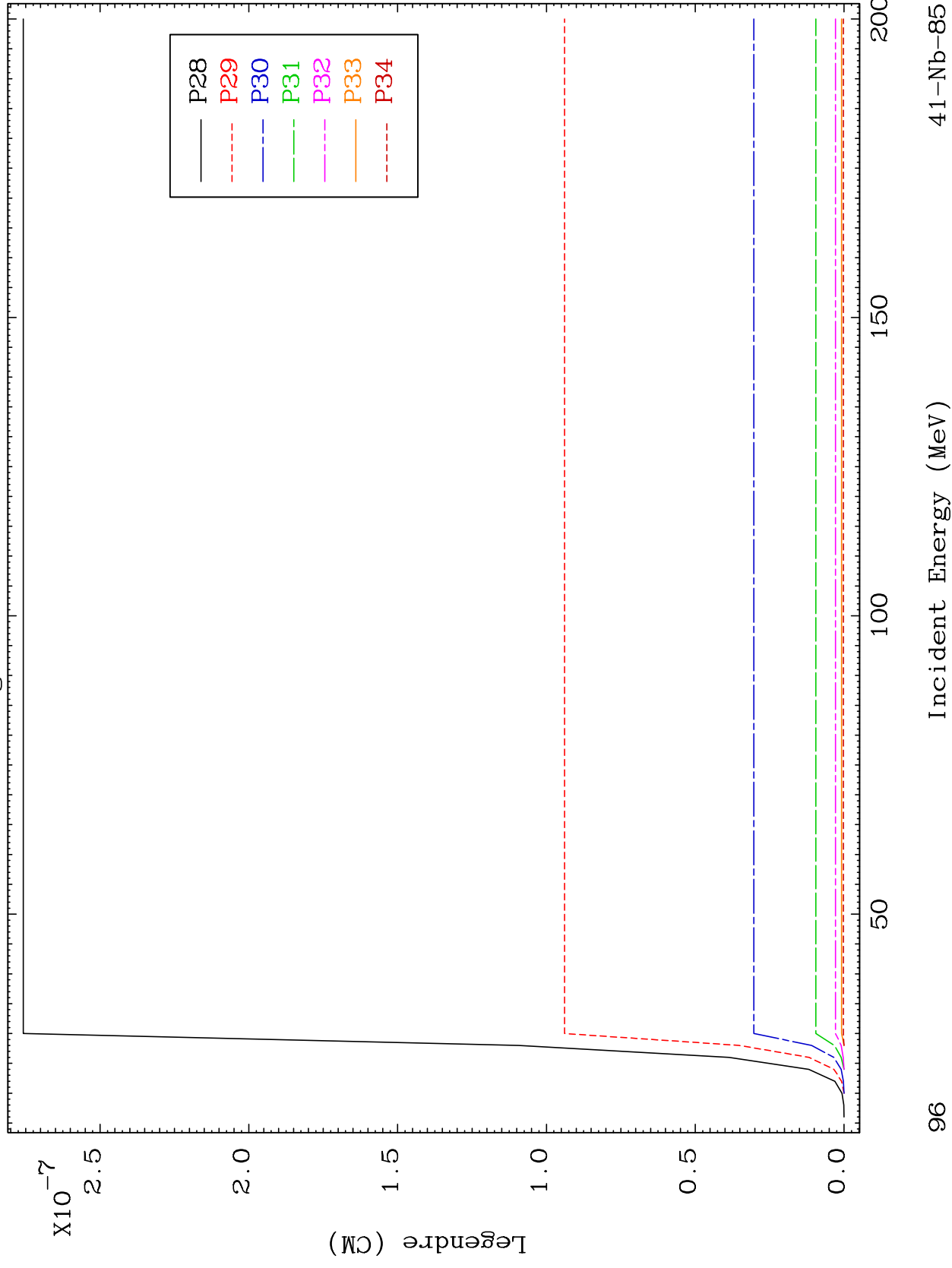
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85

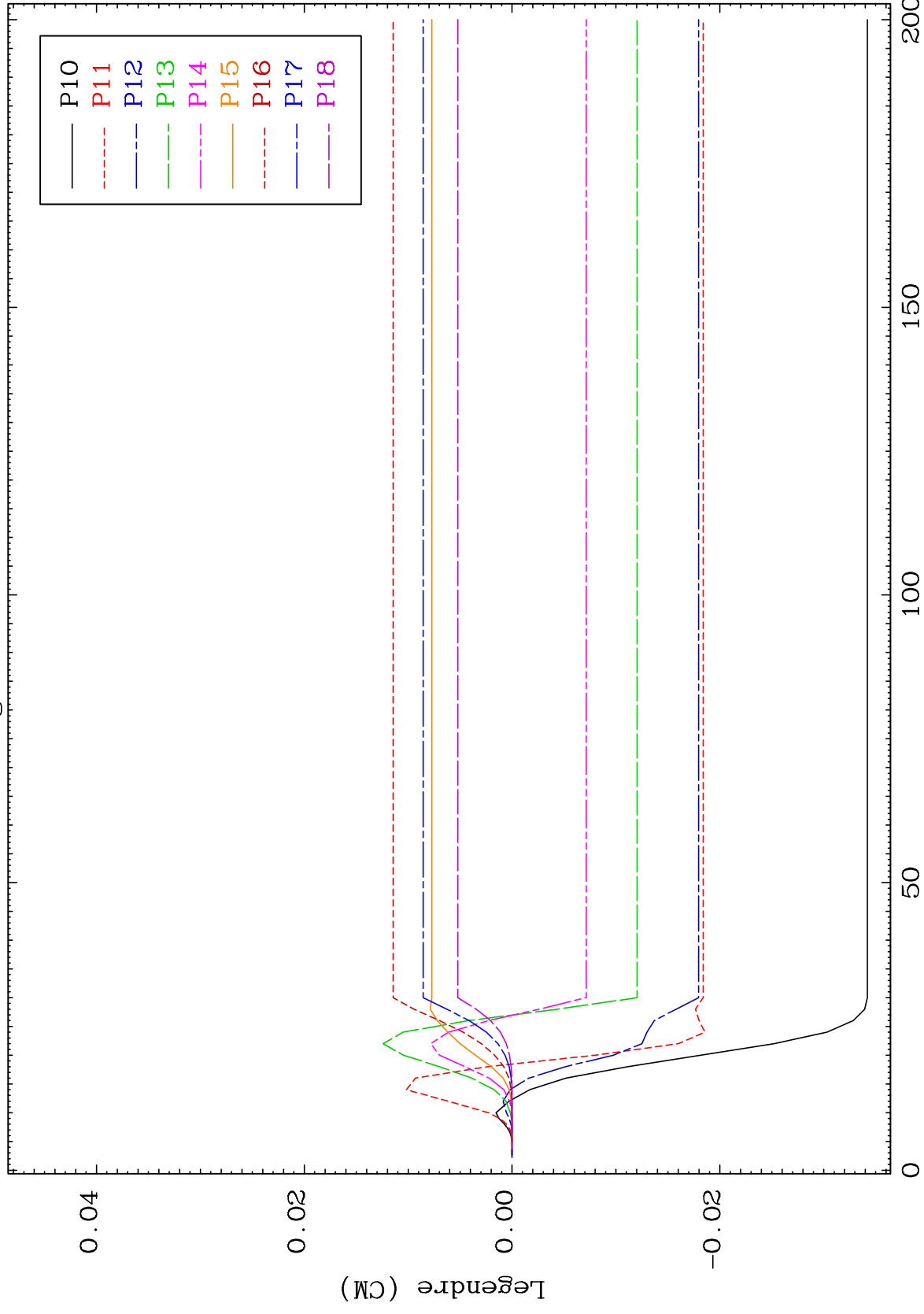


96

MAT 4101

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

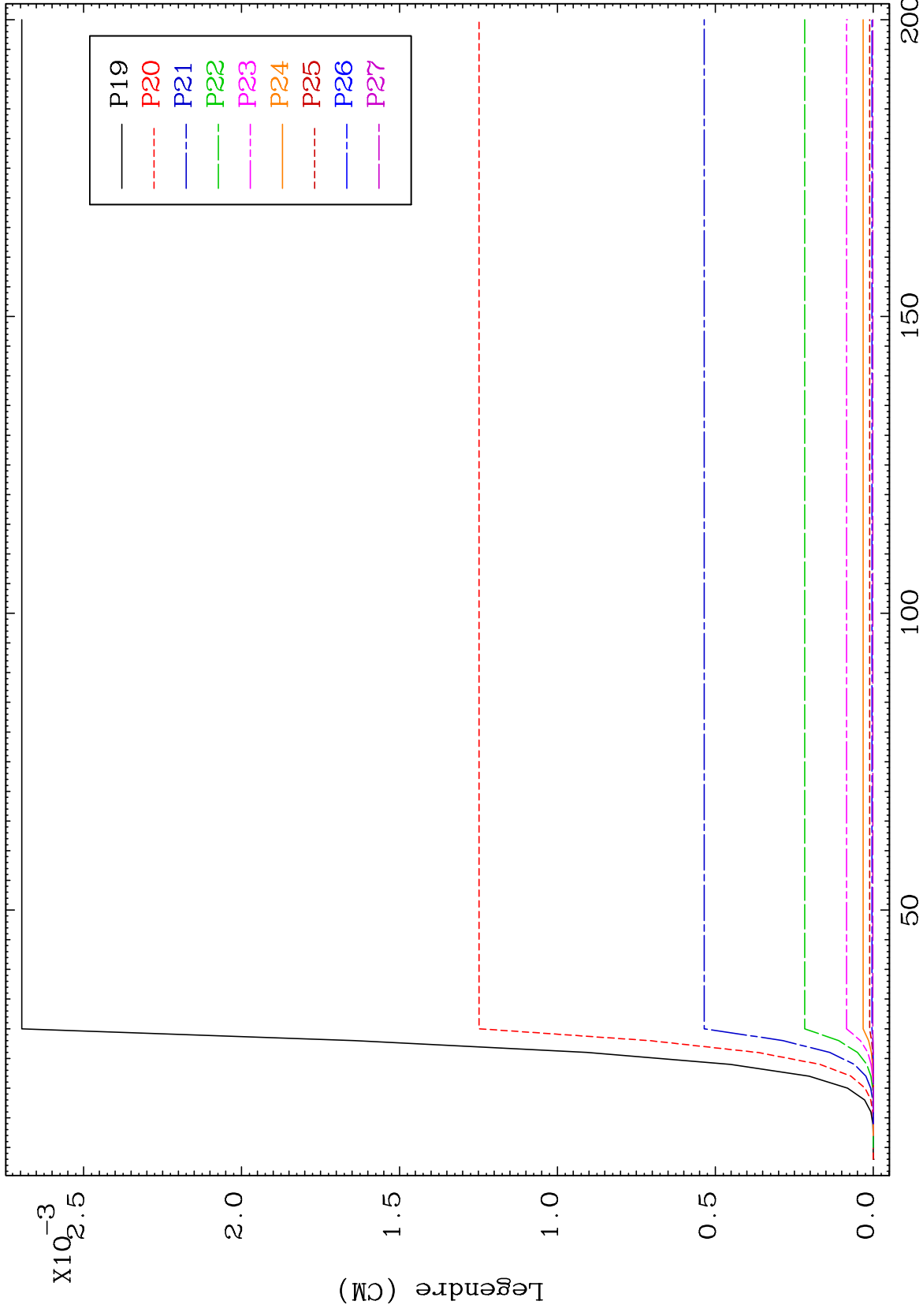
41-Nb-85



98

Incident Energy (MeV)

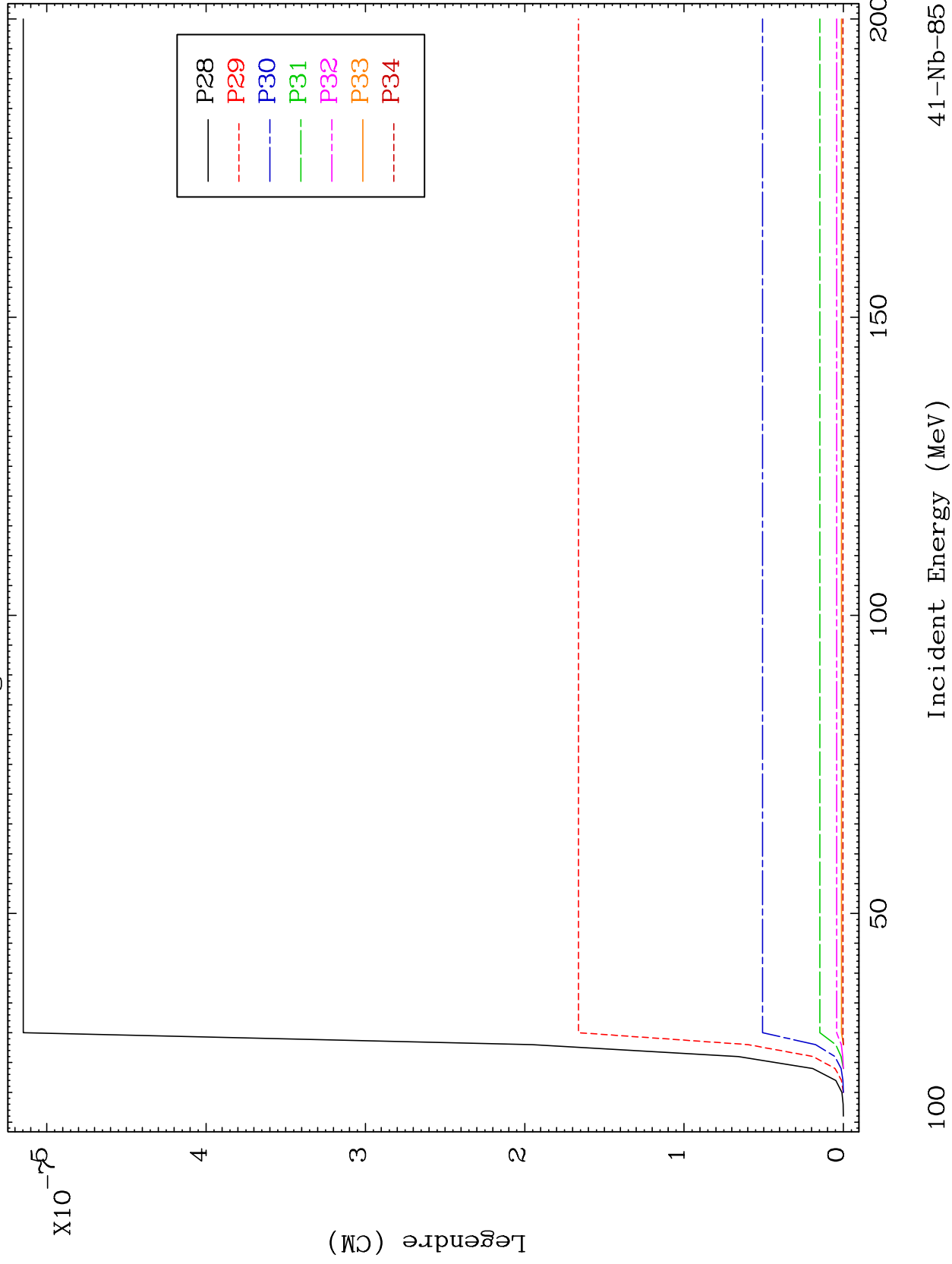
41-Nb-85



MAT 4101

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

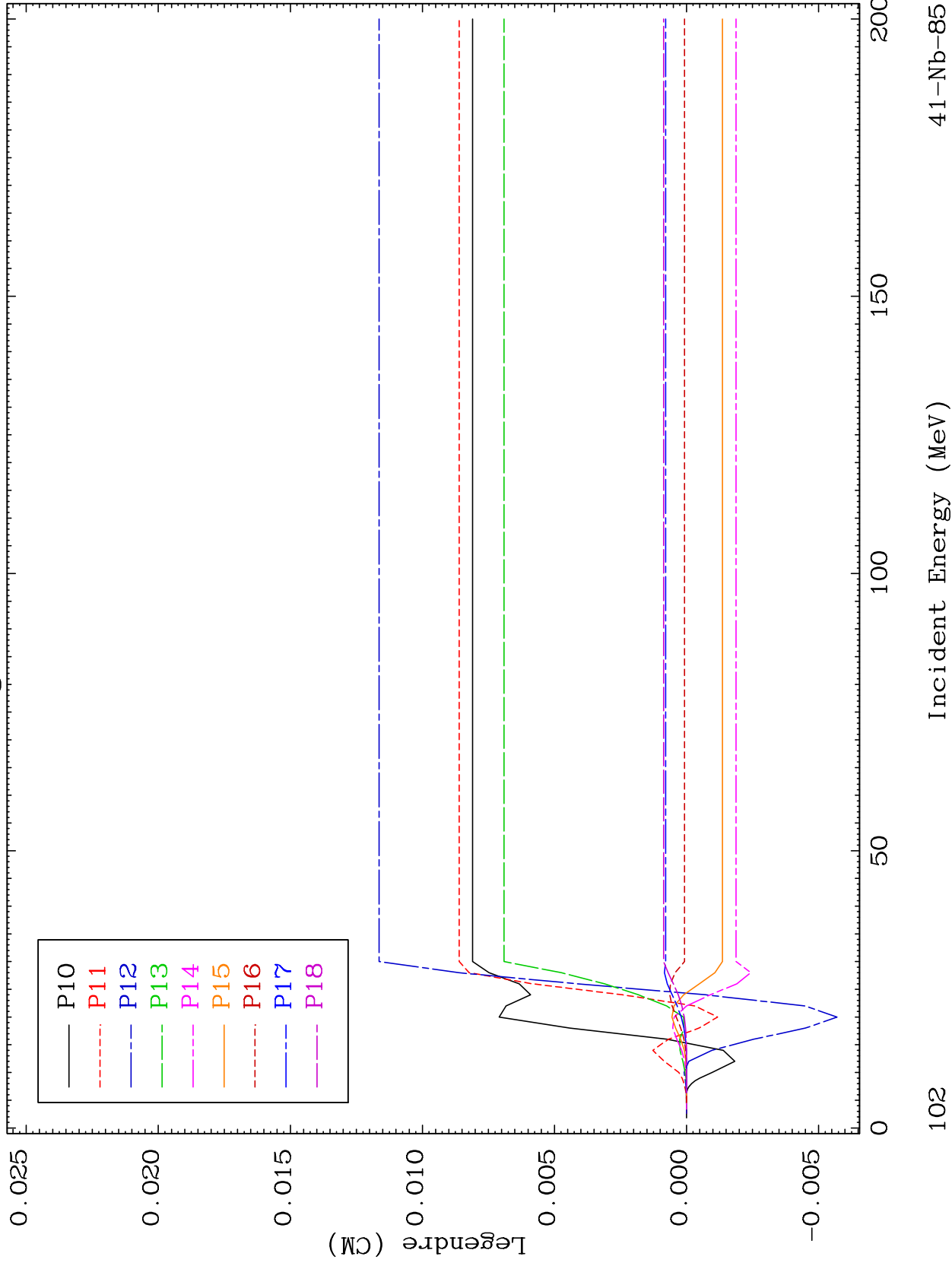
41-Nb-85



MAT 4101

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

41-Nb-85



102

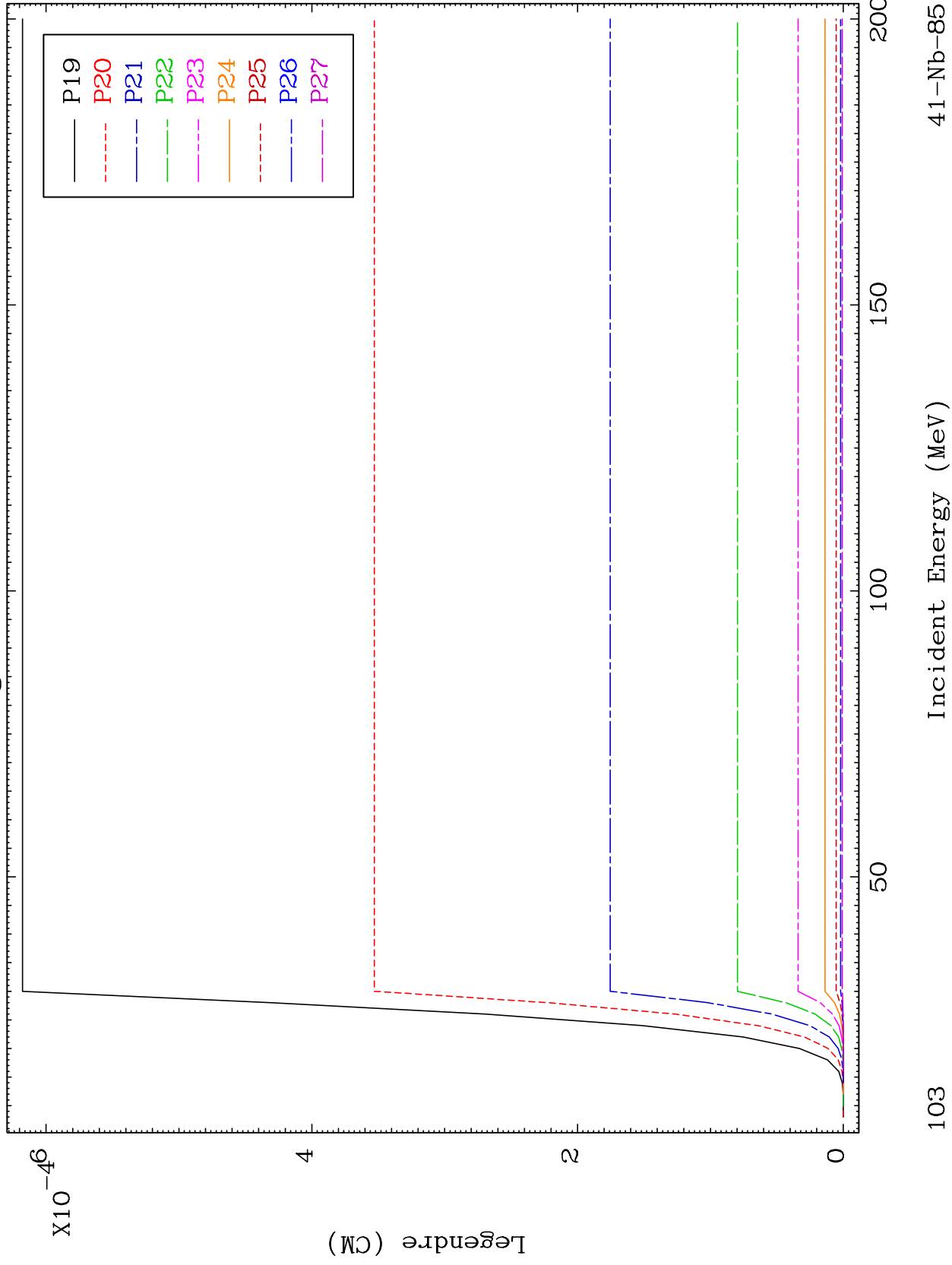
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

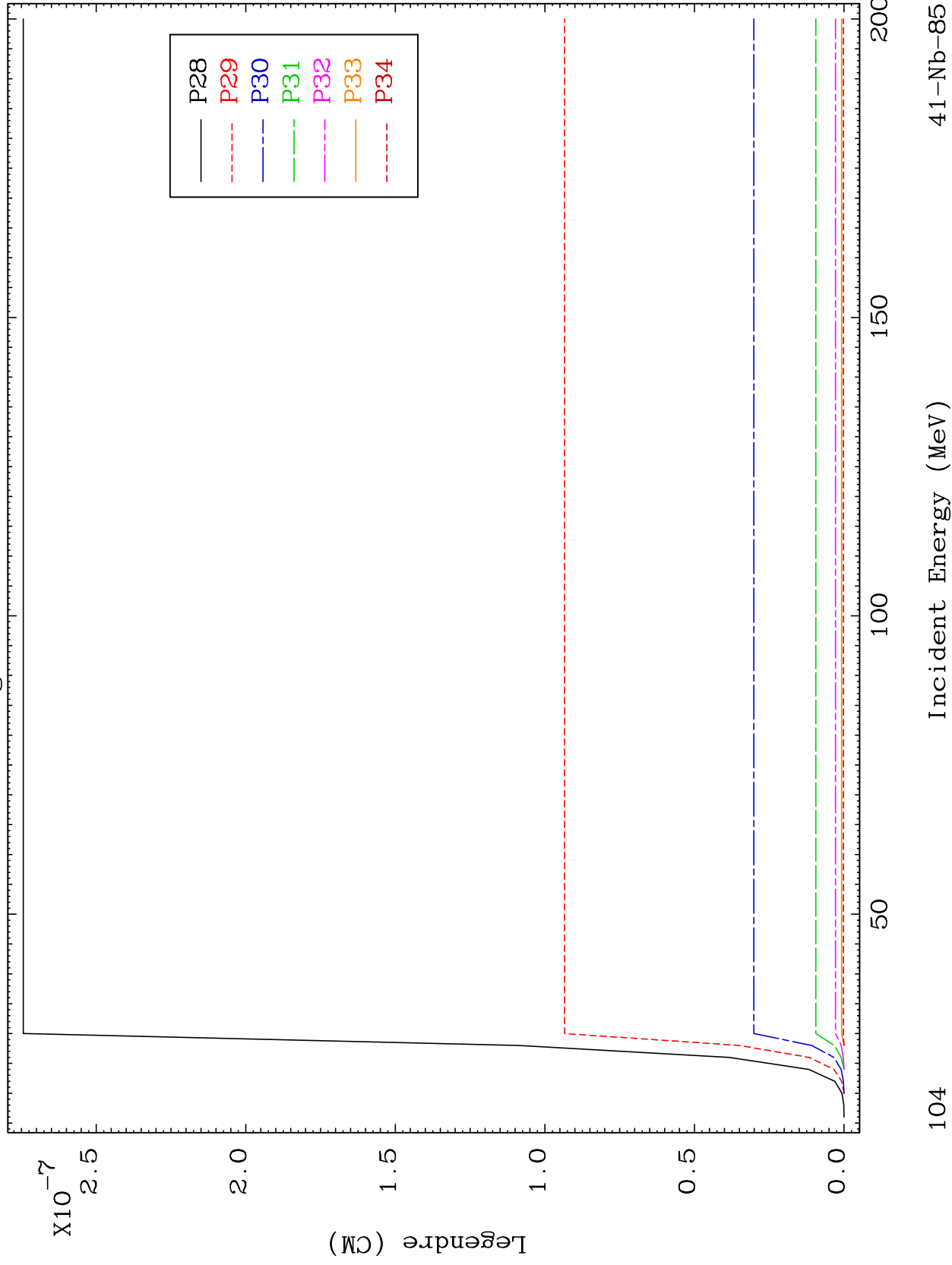
41-Nb-85



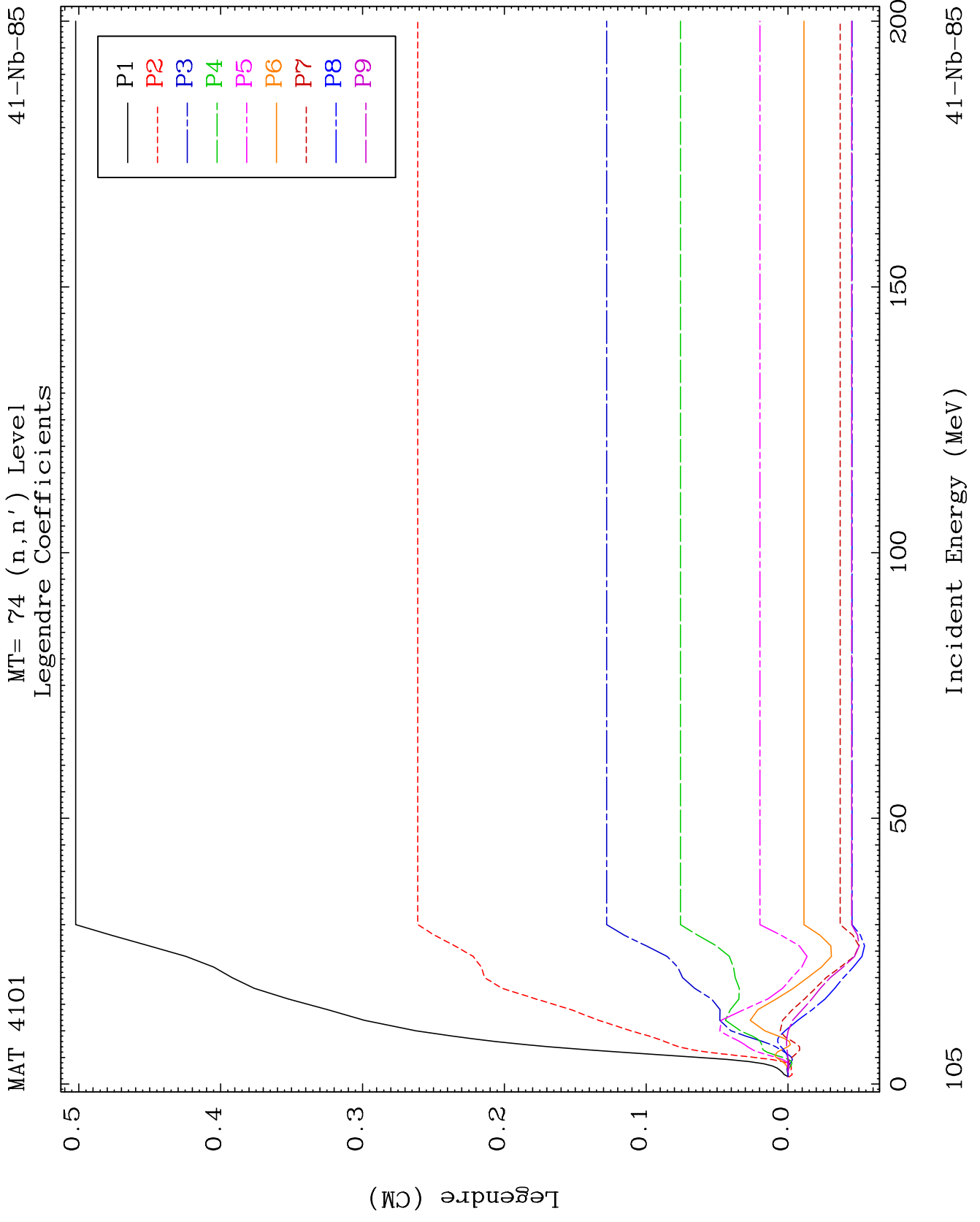
MAT 4101

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

41-Nb-85



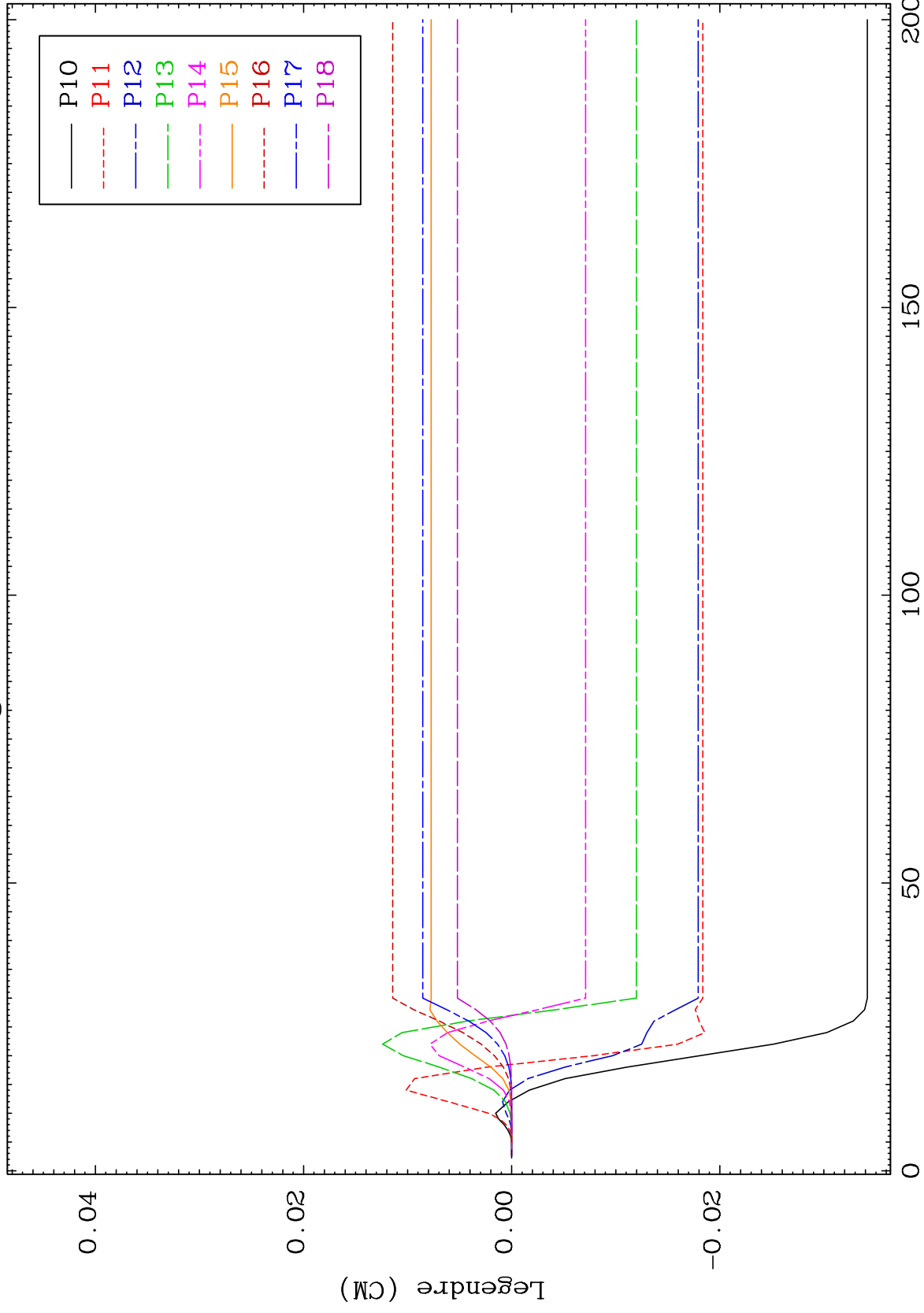
104



MAT 4101

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

41-Nb-85



106

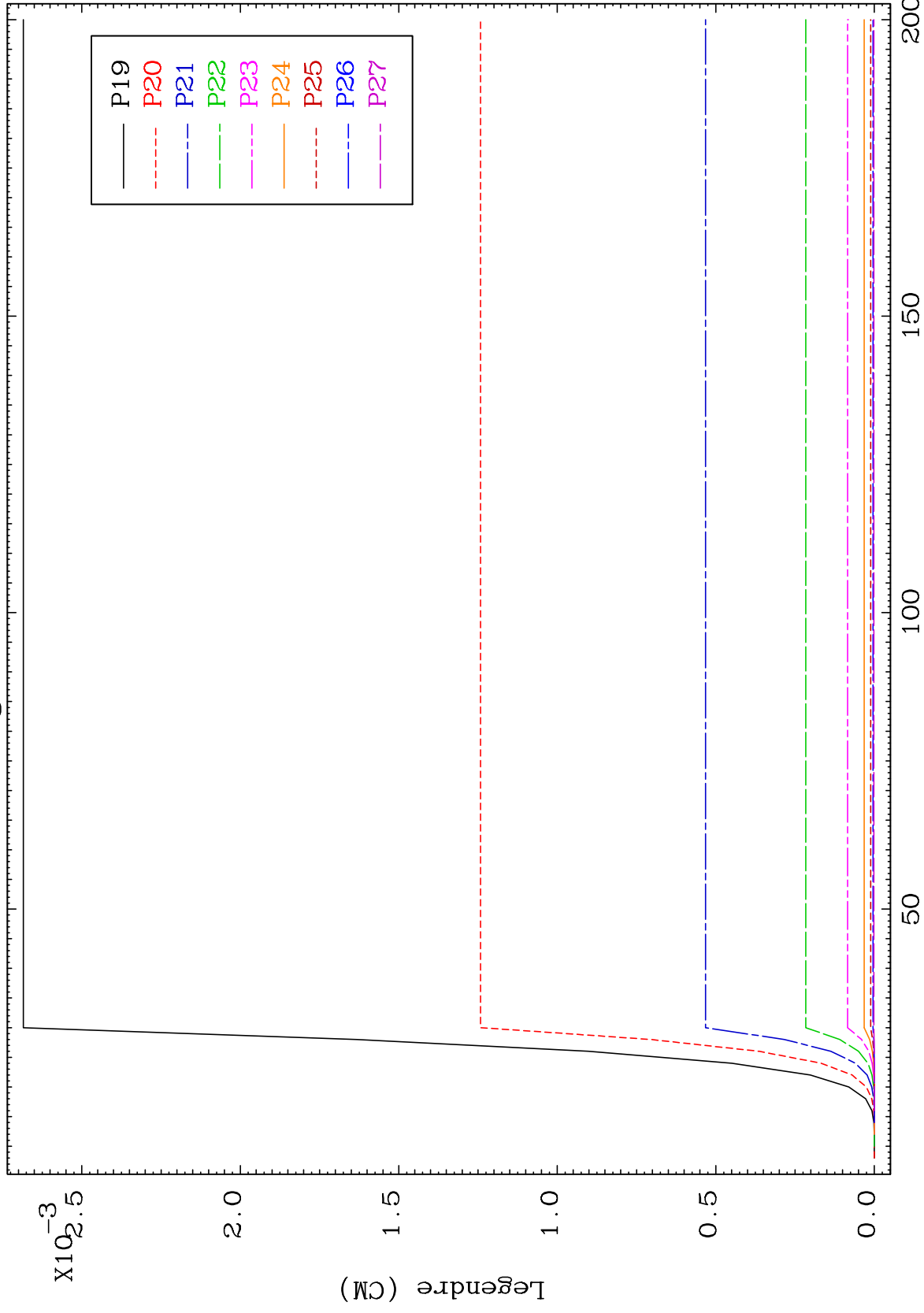
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85



107

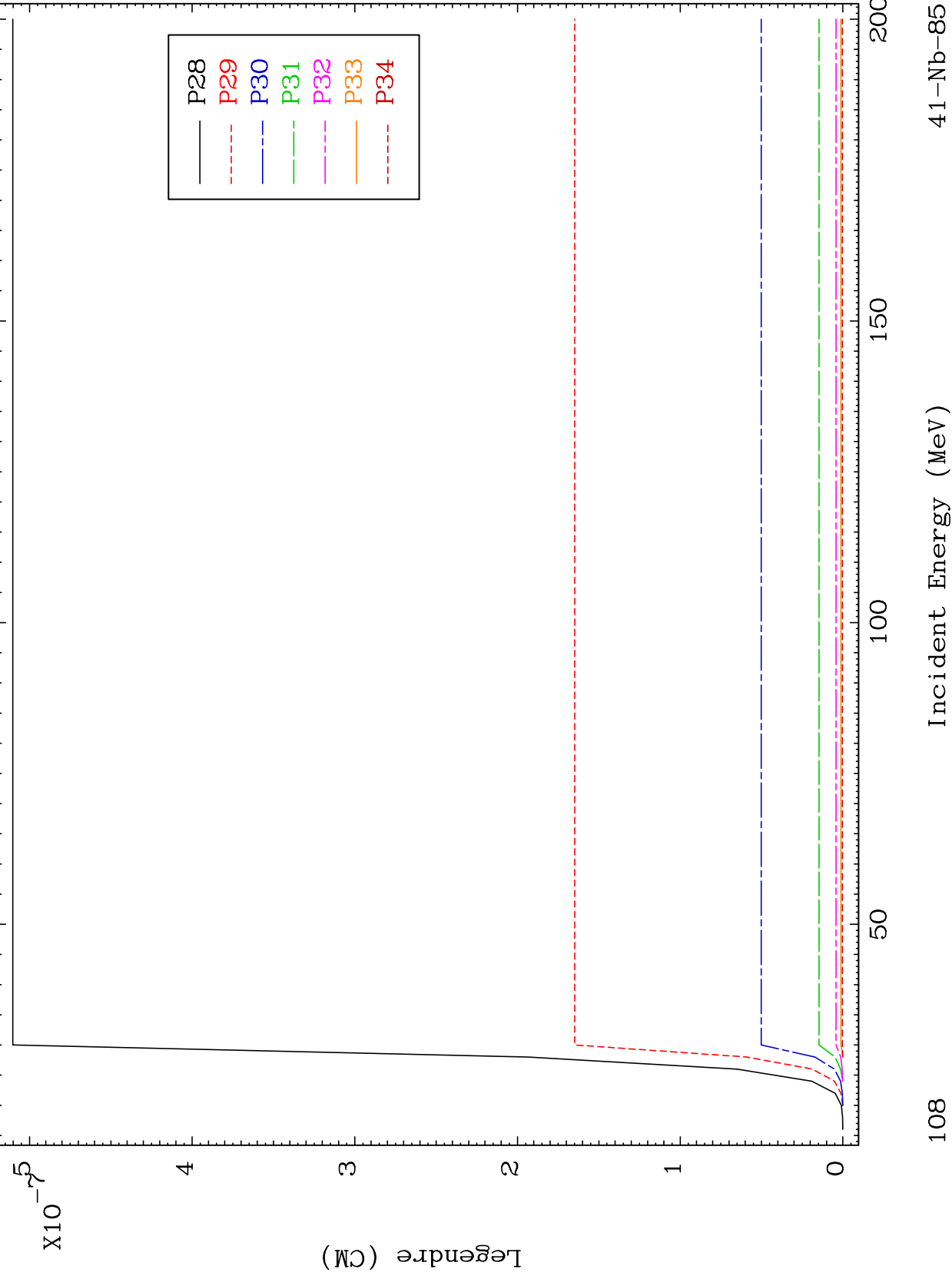
Incident Energy (MeV)

41-Nb-85

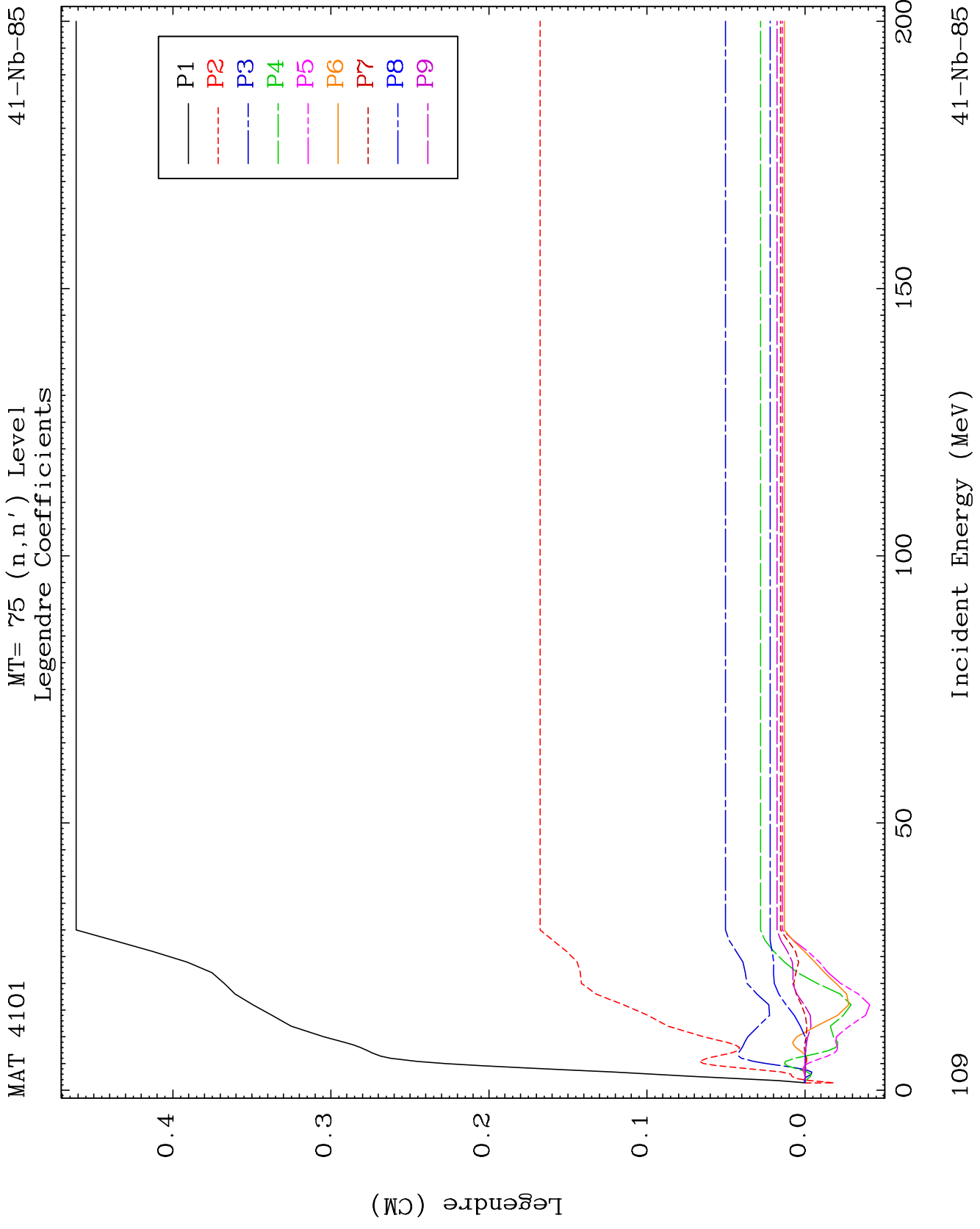
MAT 4101

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

41-Nb-85



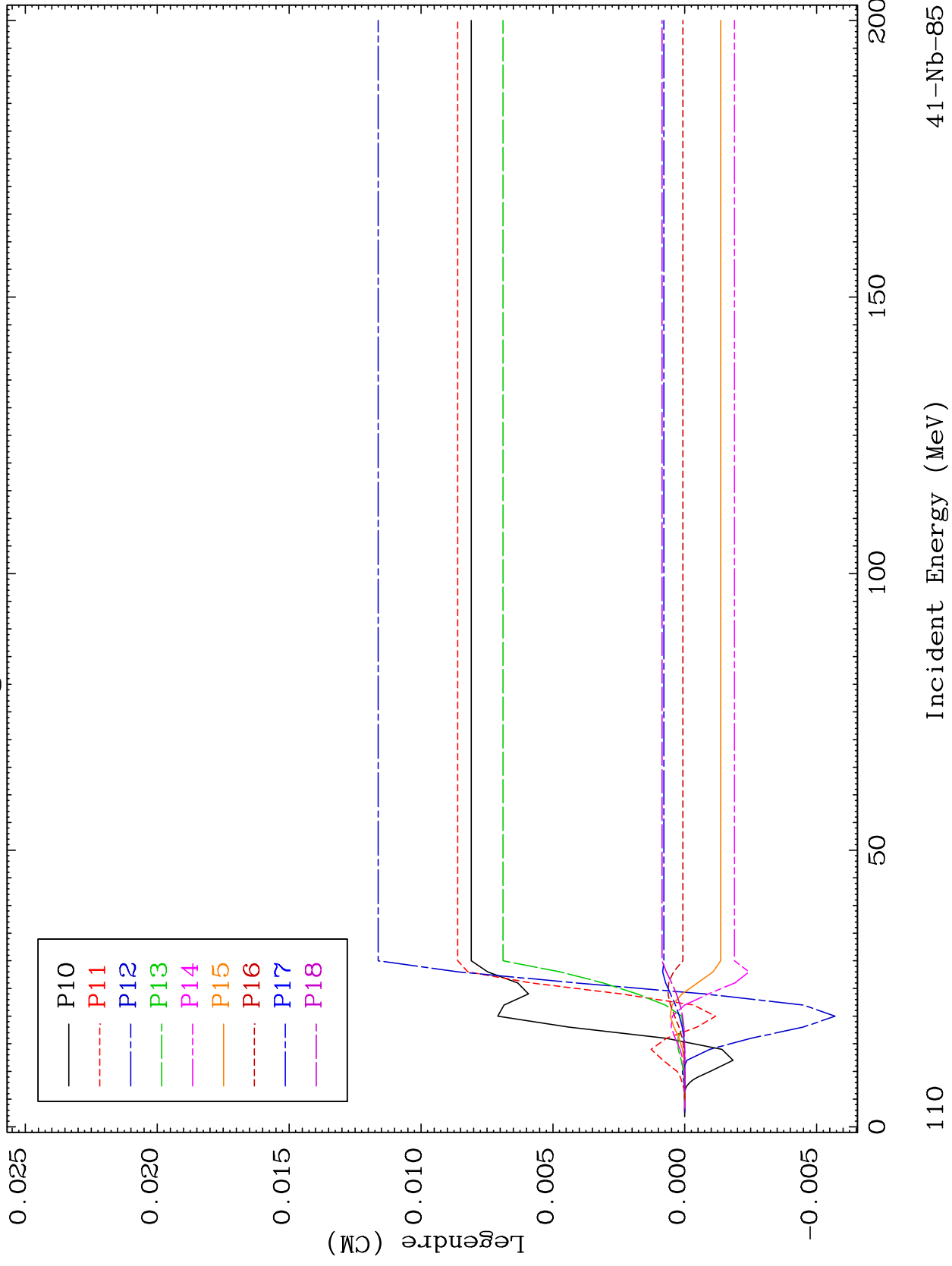
108



MAT 4101

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

41-Nb-85



41-Nb-85

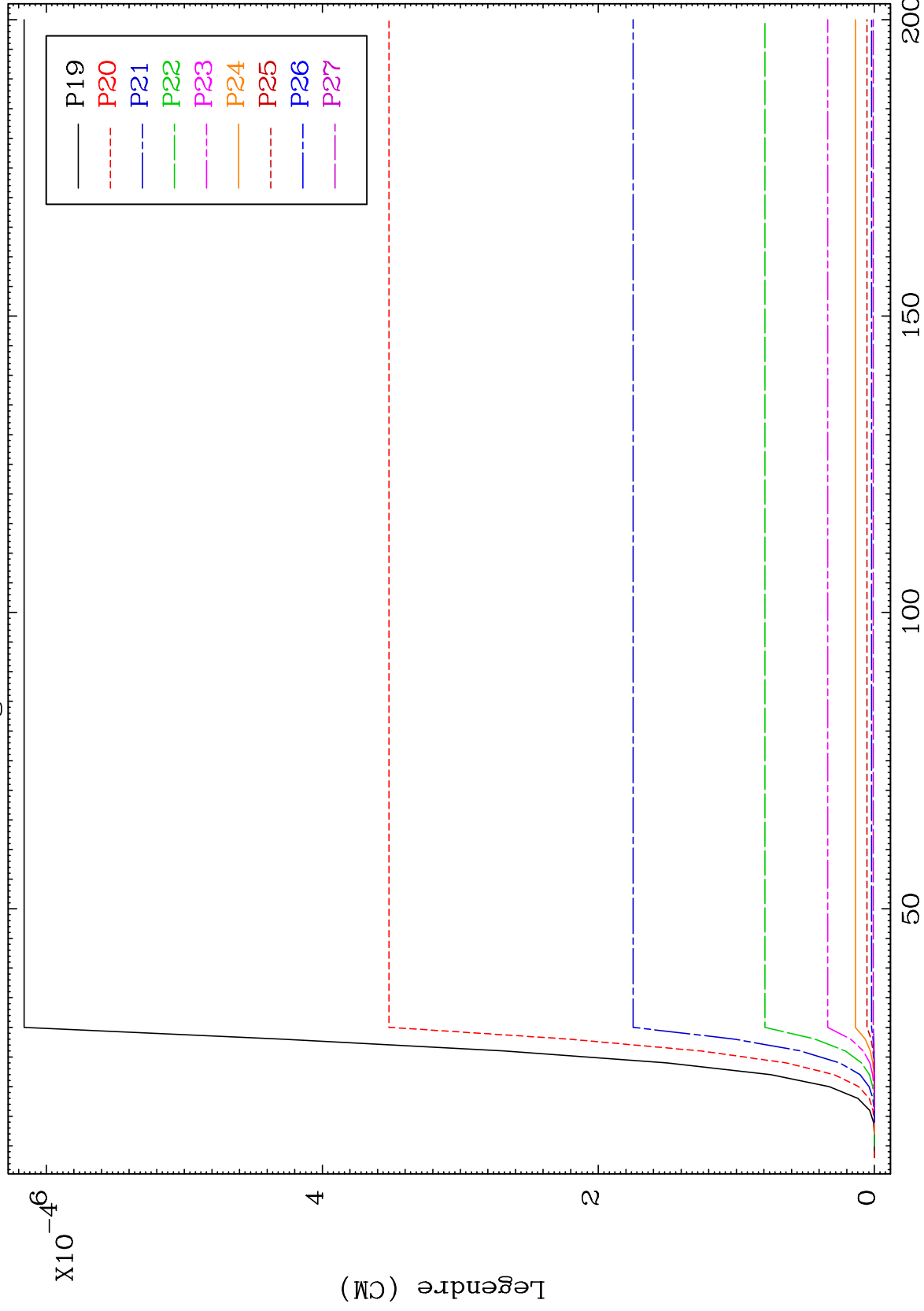
Incident Energy (MeV)

110

MAT 4101

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

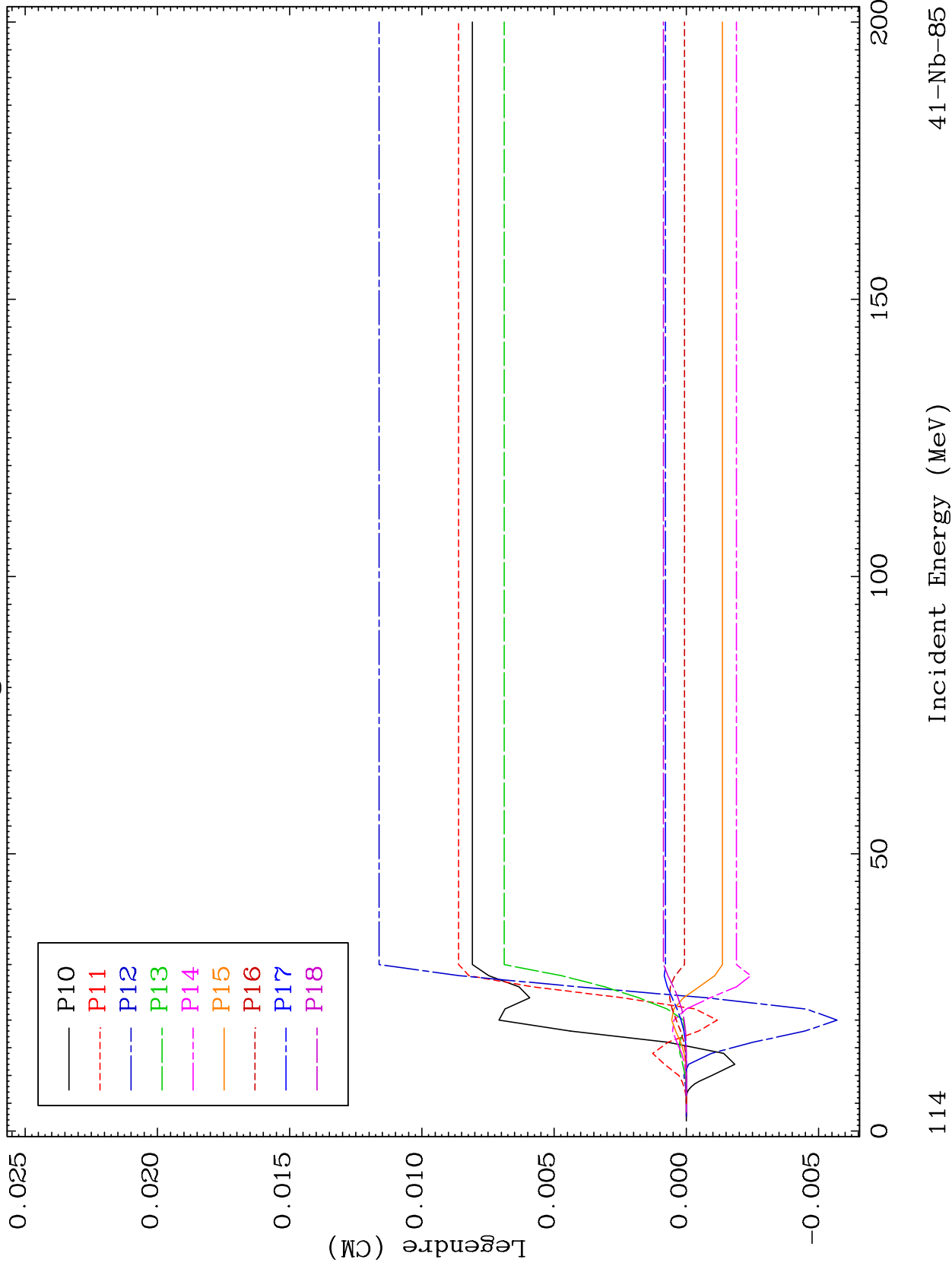
41-Nb-85



MAT 4101

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

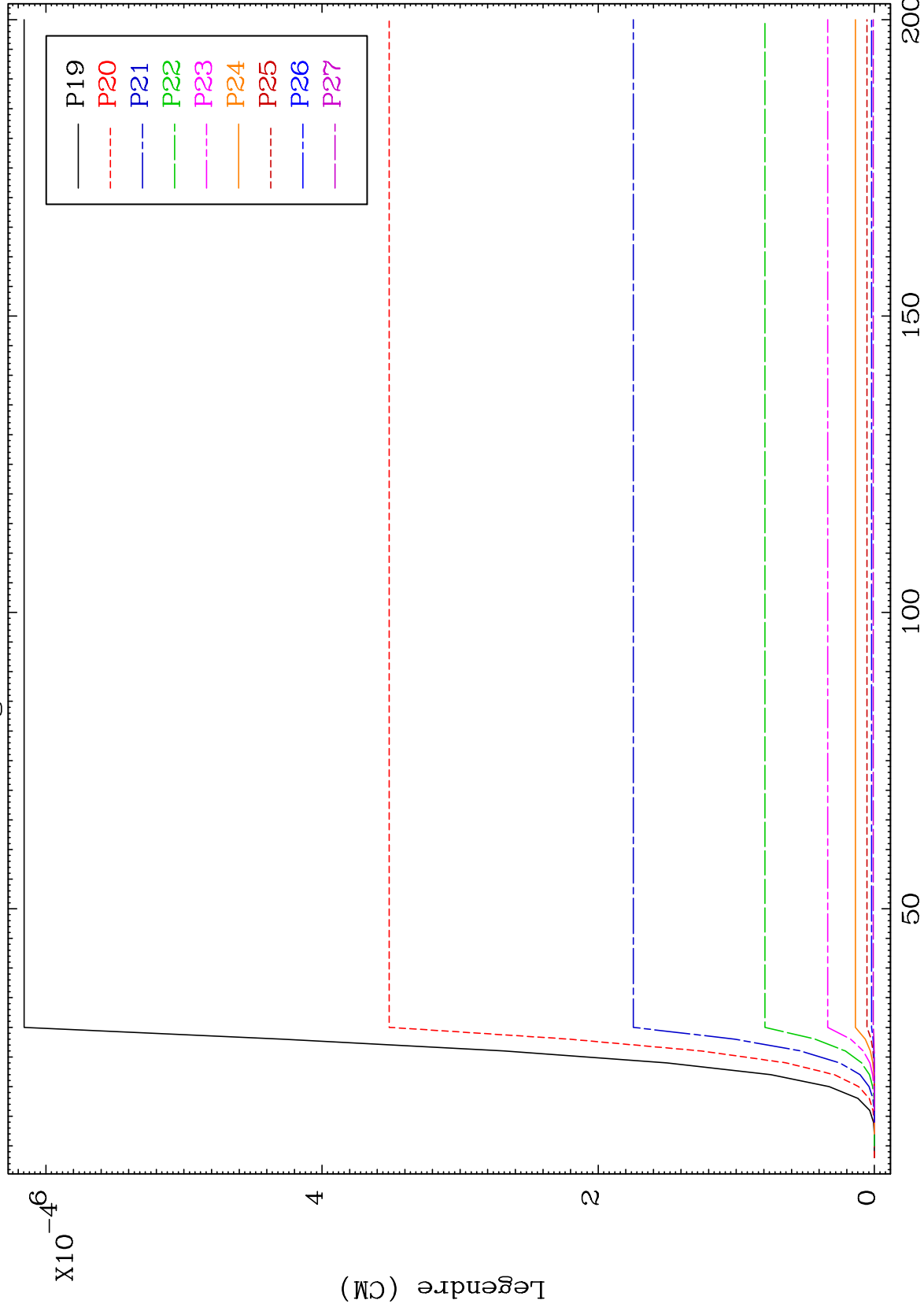
41-Nb-85



MAT 4101

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

41-Nb-85



115

Incident Energy (MeV)

41-Nb-85

MAT 4101

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

41-Nb-85

$\times 10^{-7}$
2.5

2.0

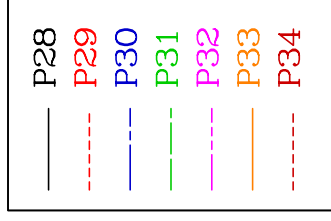
1.5

1.0

0.5

0.0

Legendre (CM)

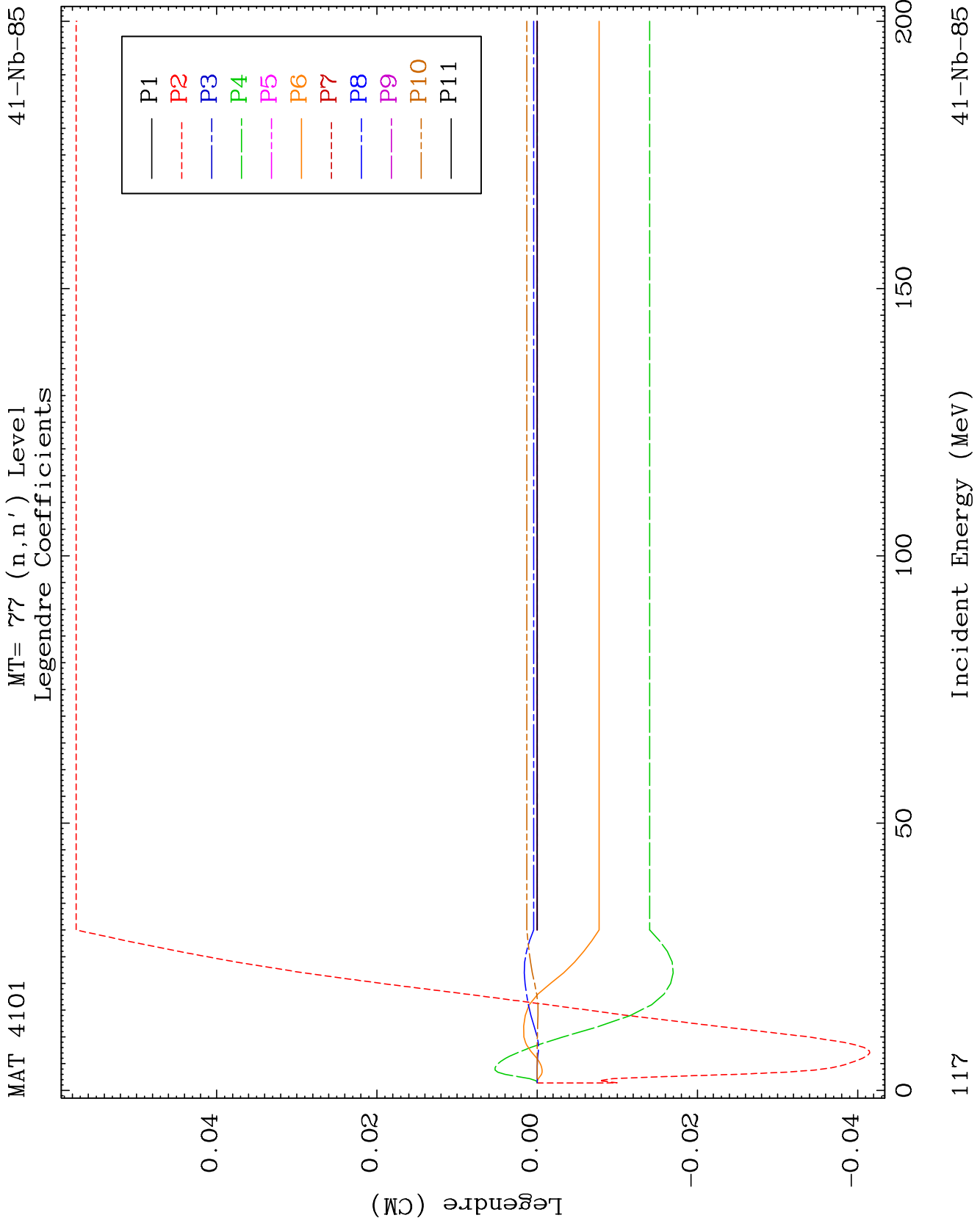


50 100 150 200

116

Incident Energy (MeV)

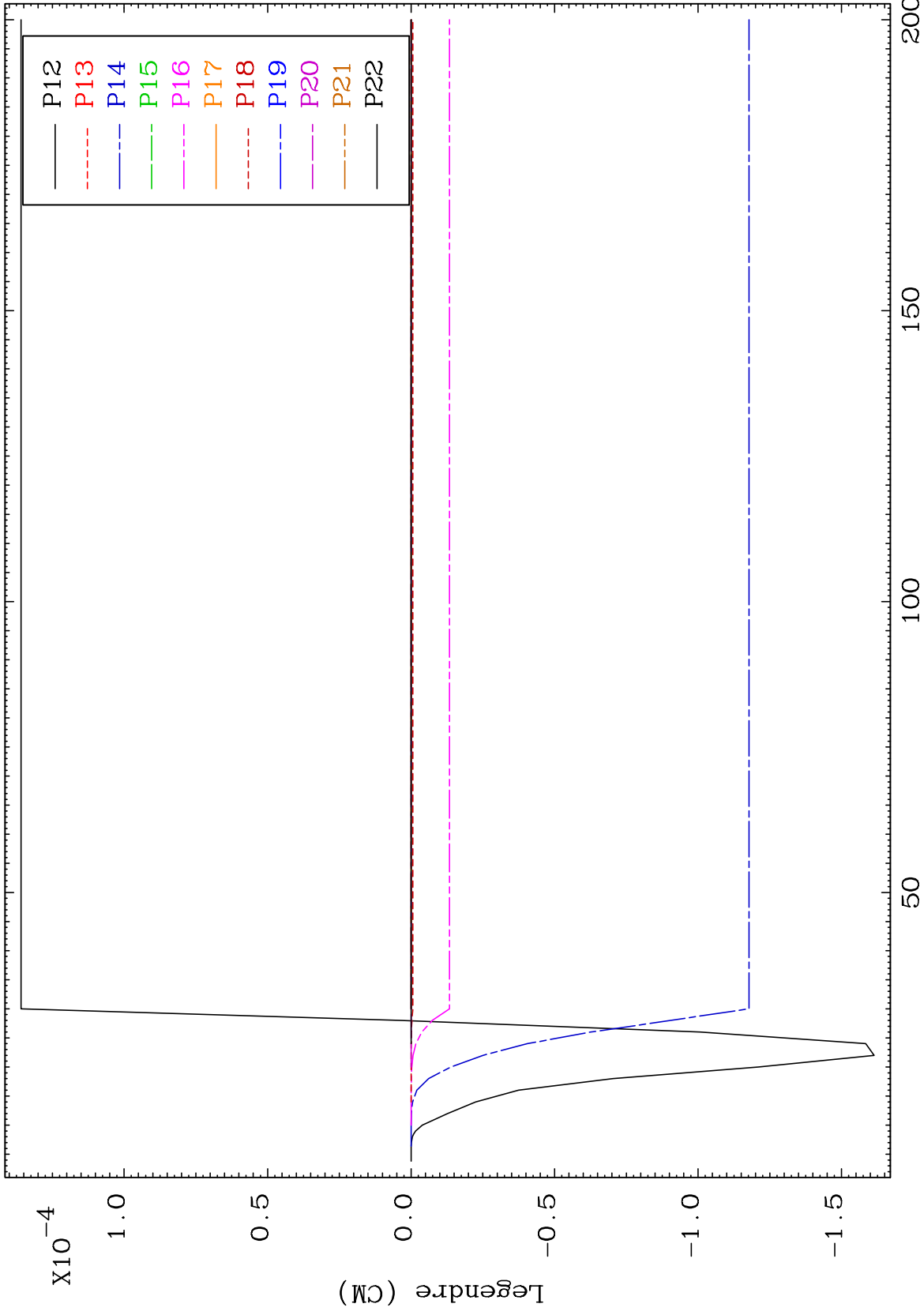
41-Nb-85



MAT 4101

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

41-Nb-85



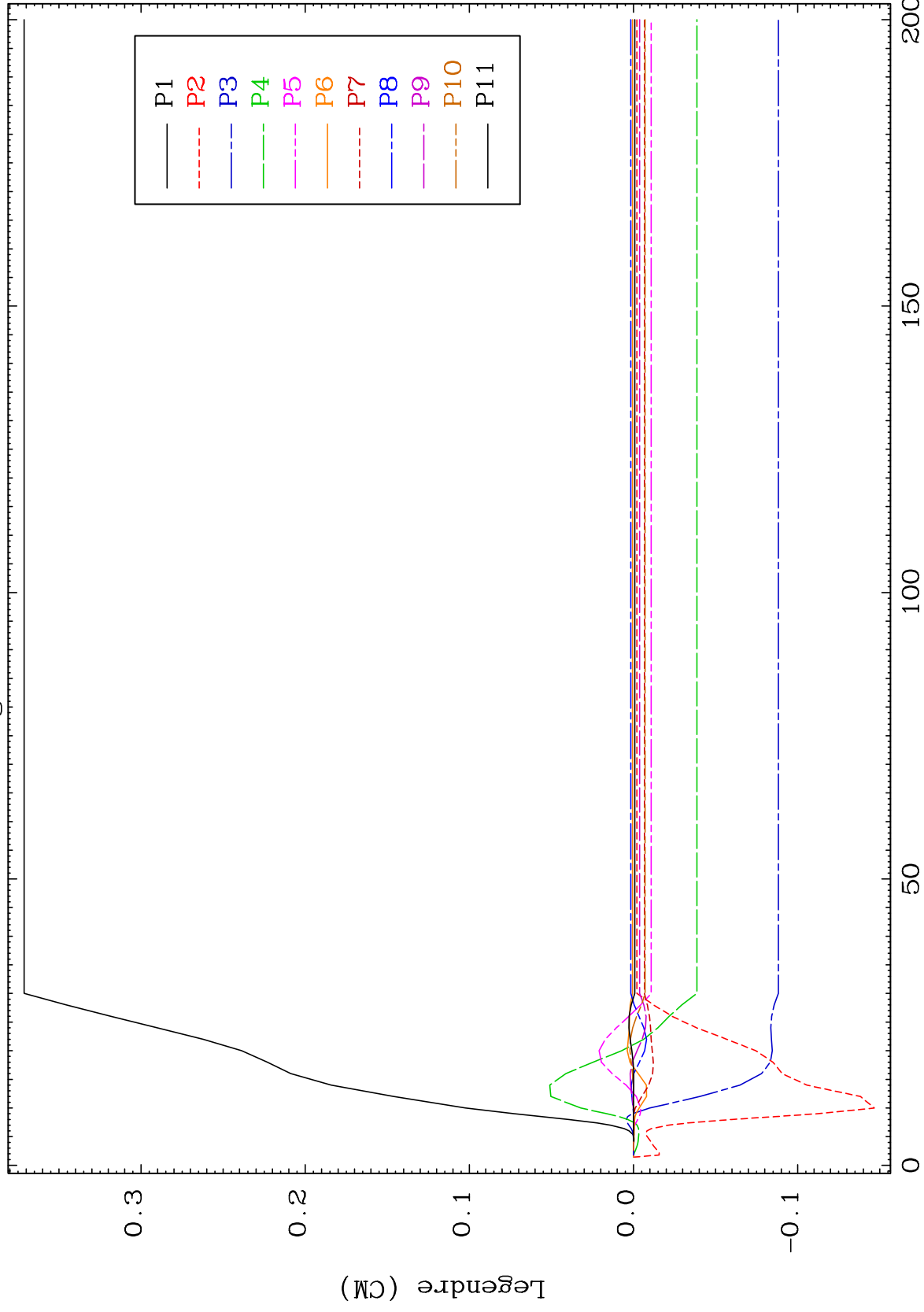
118

41-Nb-85

MAT 4101

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

41-Nb-85



119

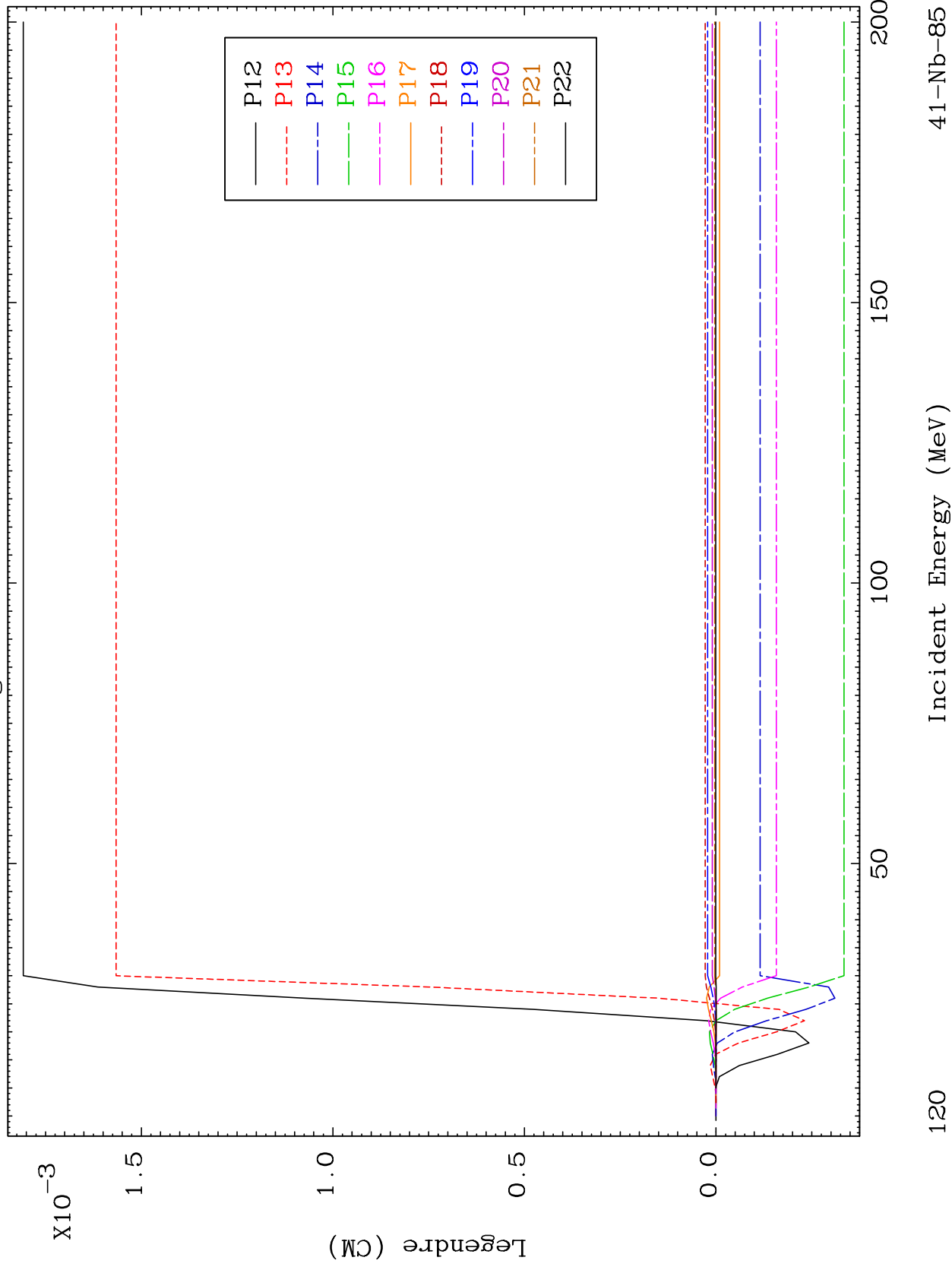
Incident Energy (MeV)

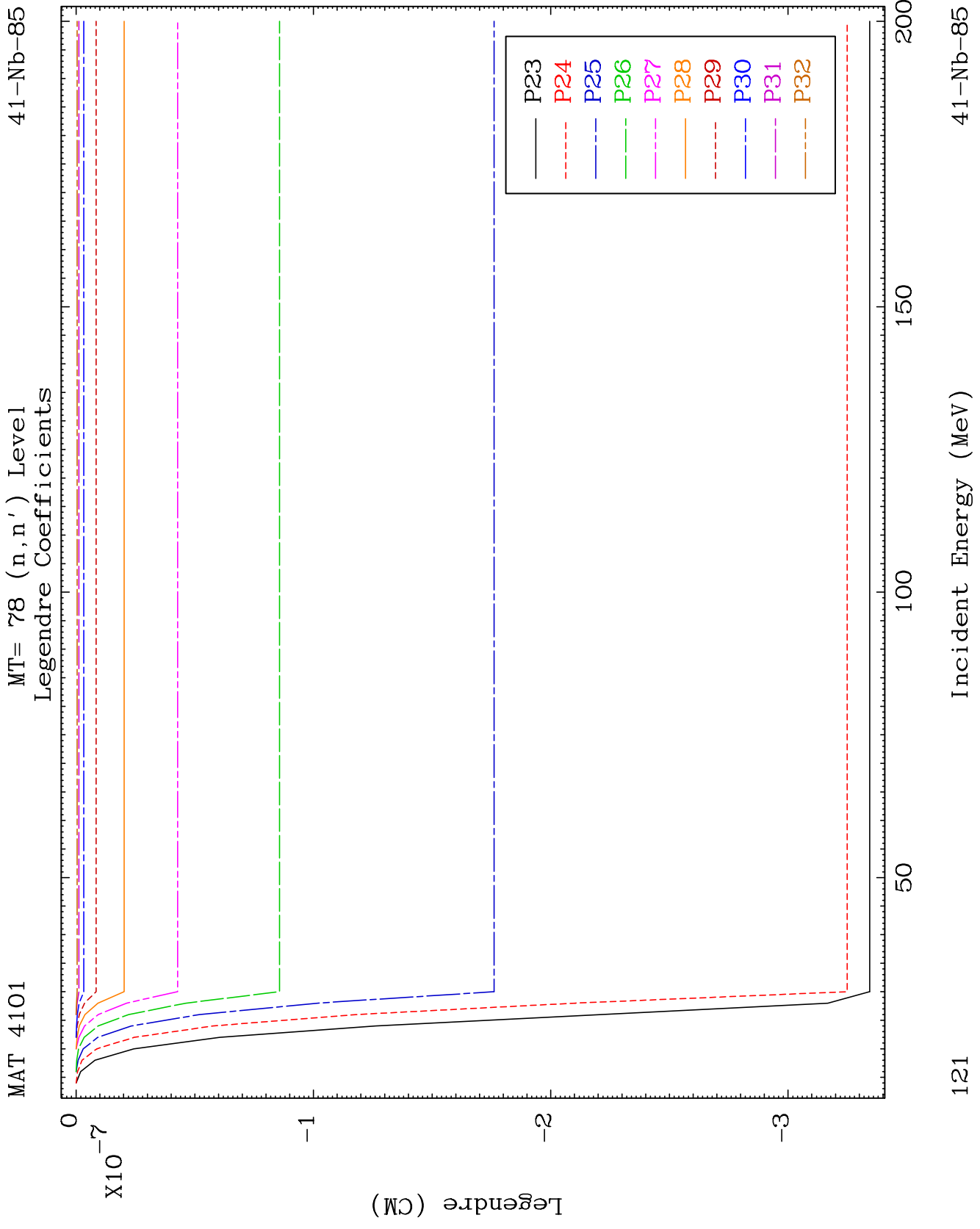
41-Nb-85

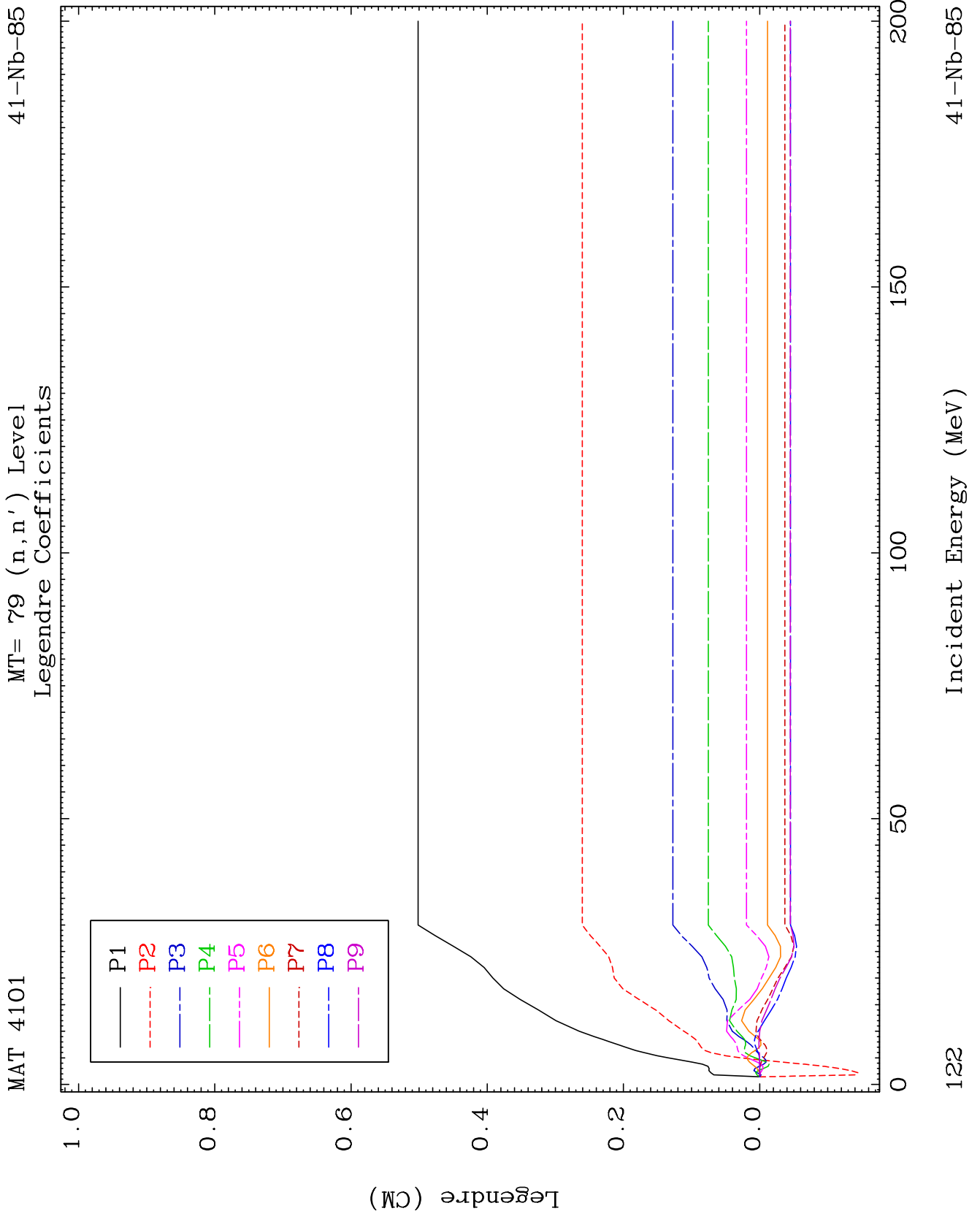
MAT 4101

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

41-Nb-85



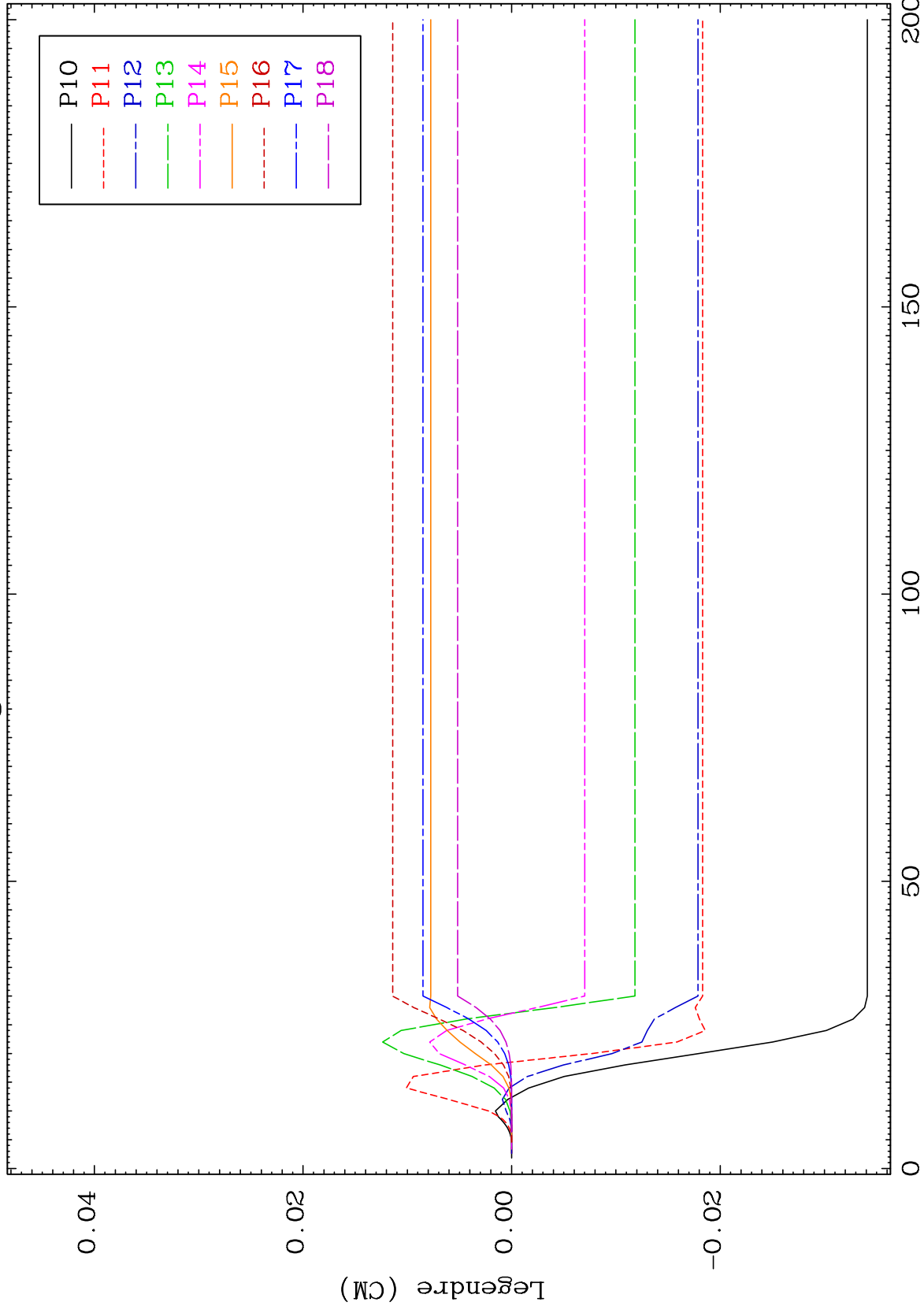




MAT 4101

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

41-Nb-85



123

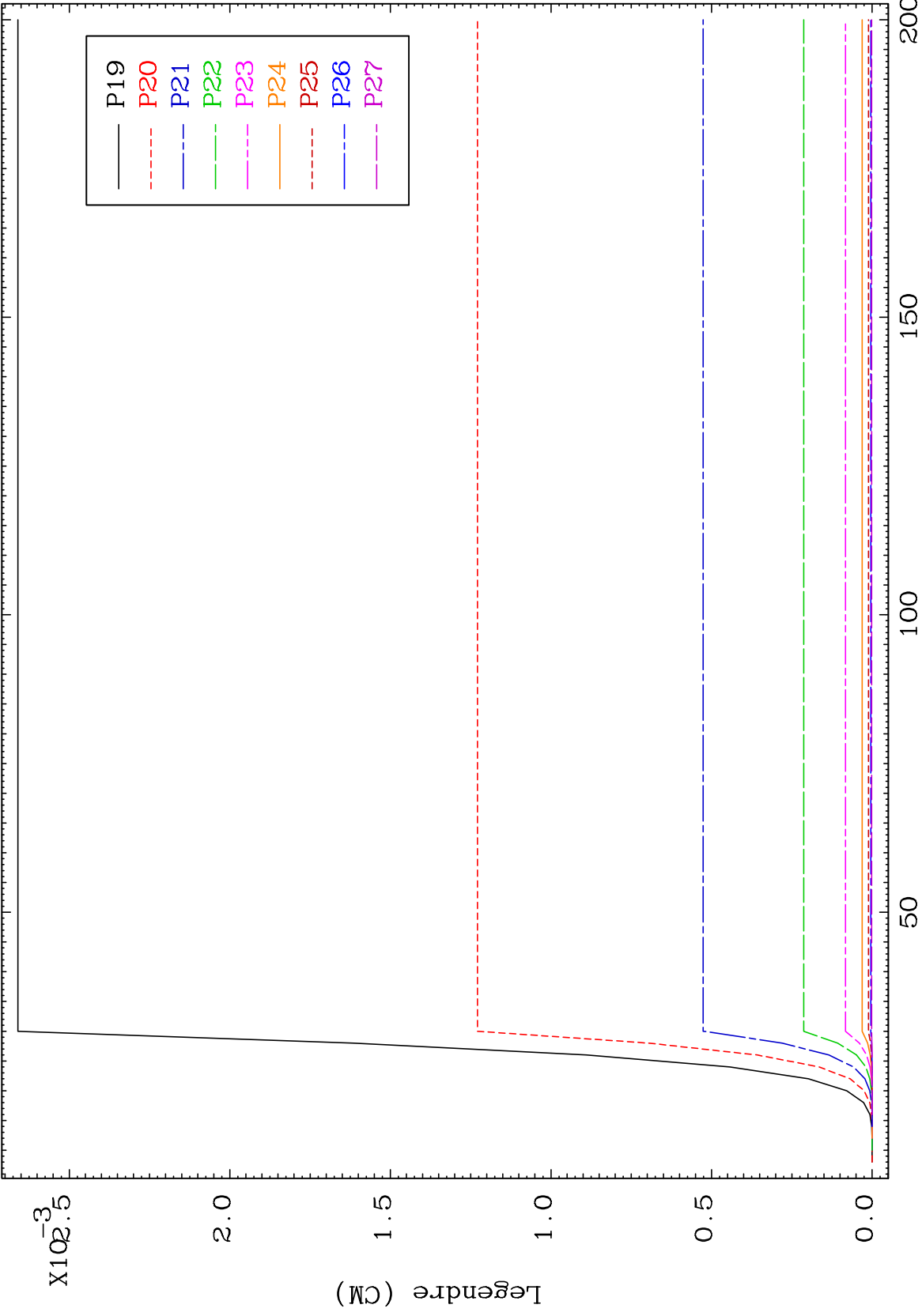
Incident Energy (MeV)

41-Nb-85

MAT 4101

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

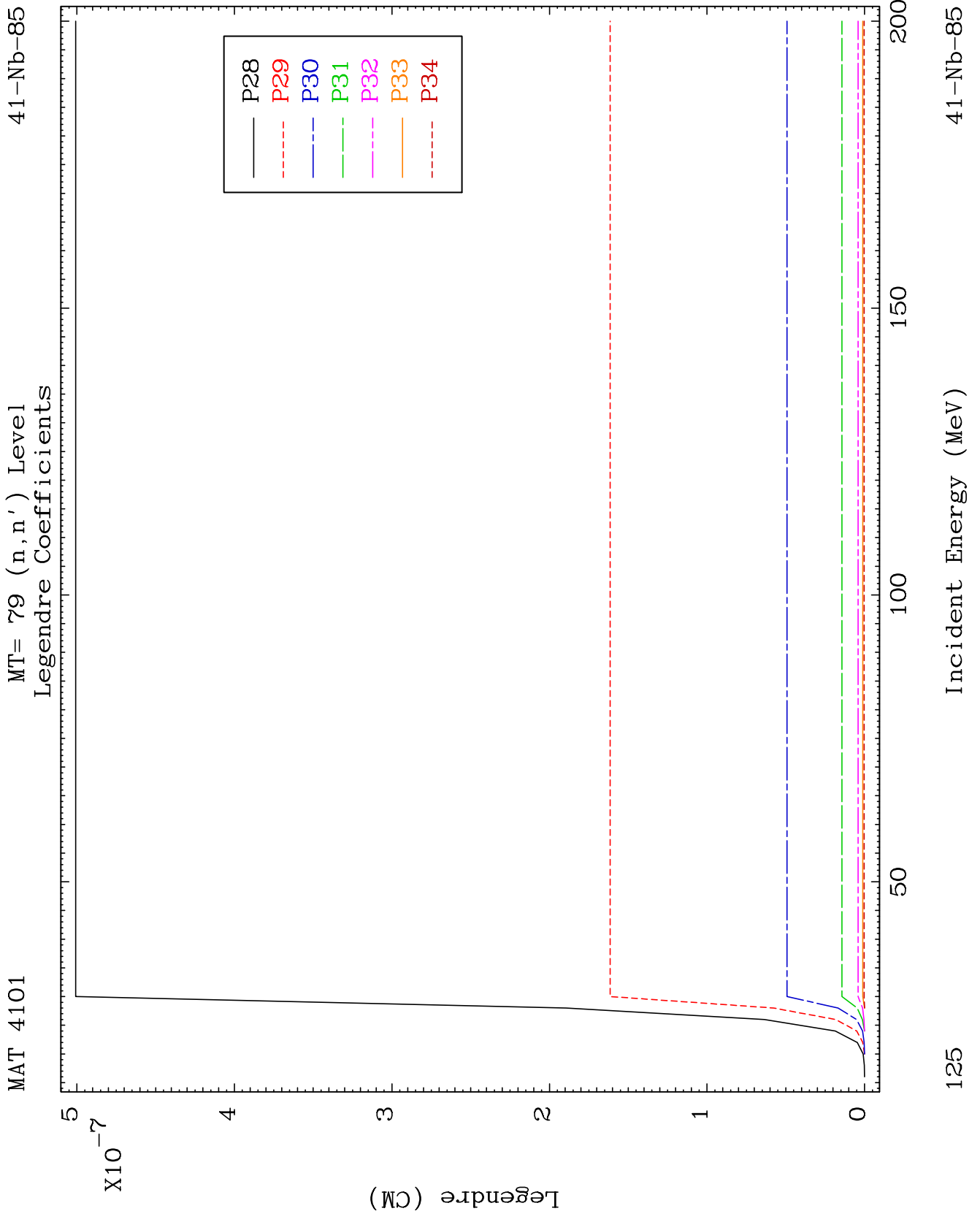
41-Nb-85



124

Incident Energy (MeV)

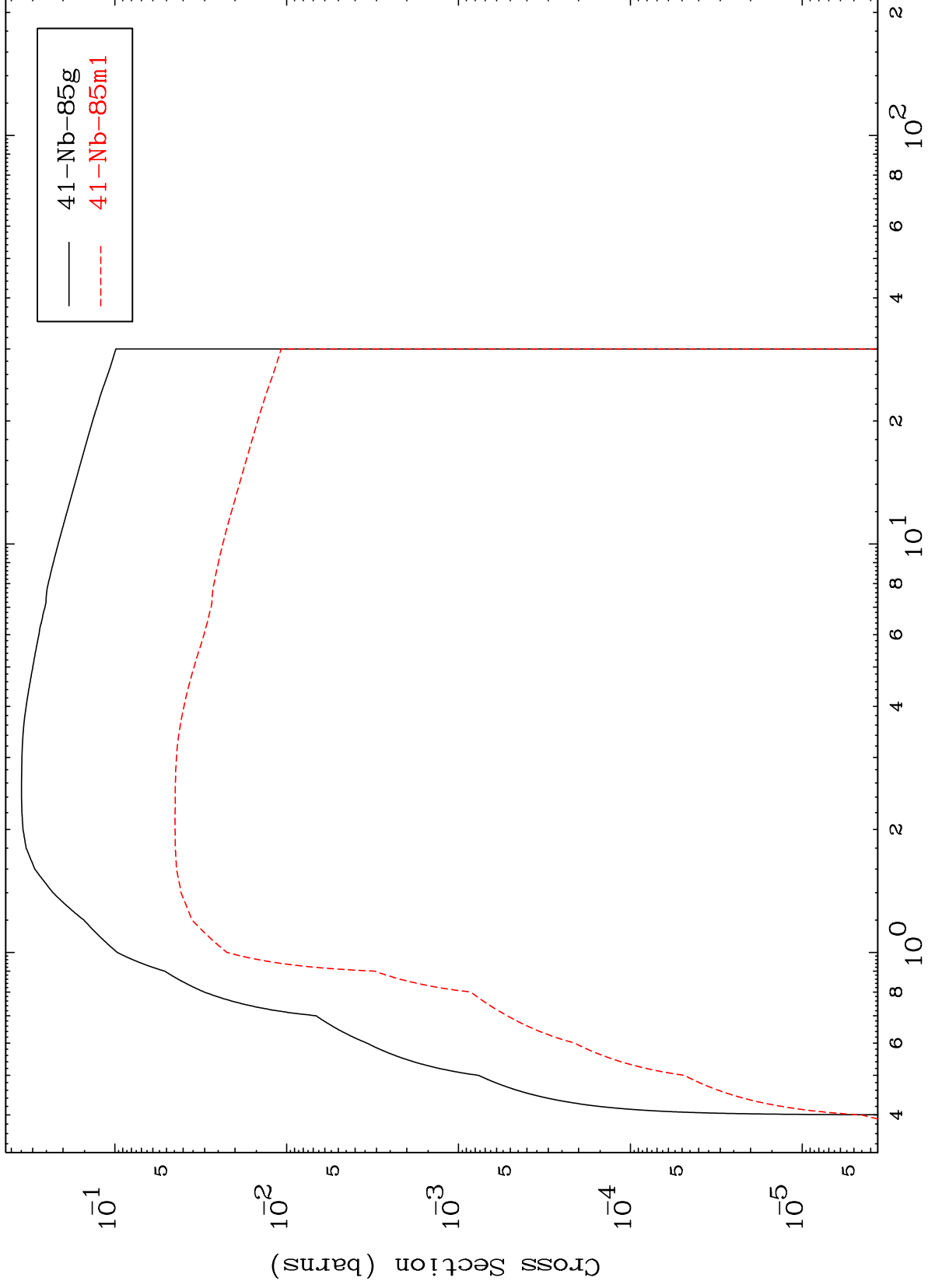
41-Nb-85



MAT 4101

41-Nb-85

Inelastic
Radionuclide Production Cross Section



126

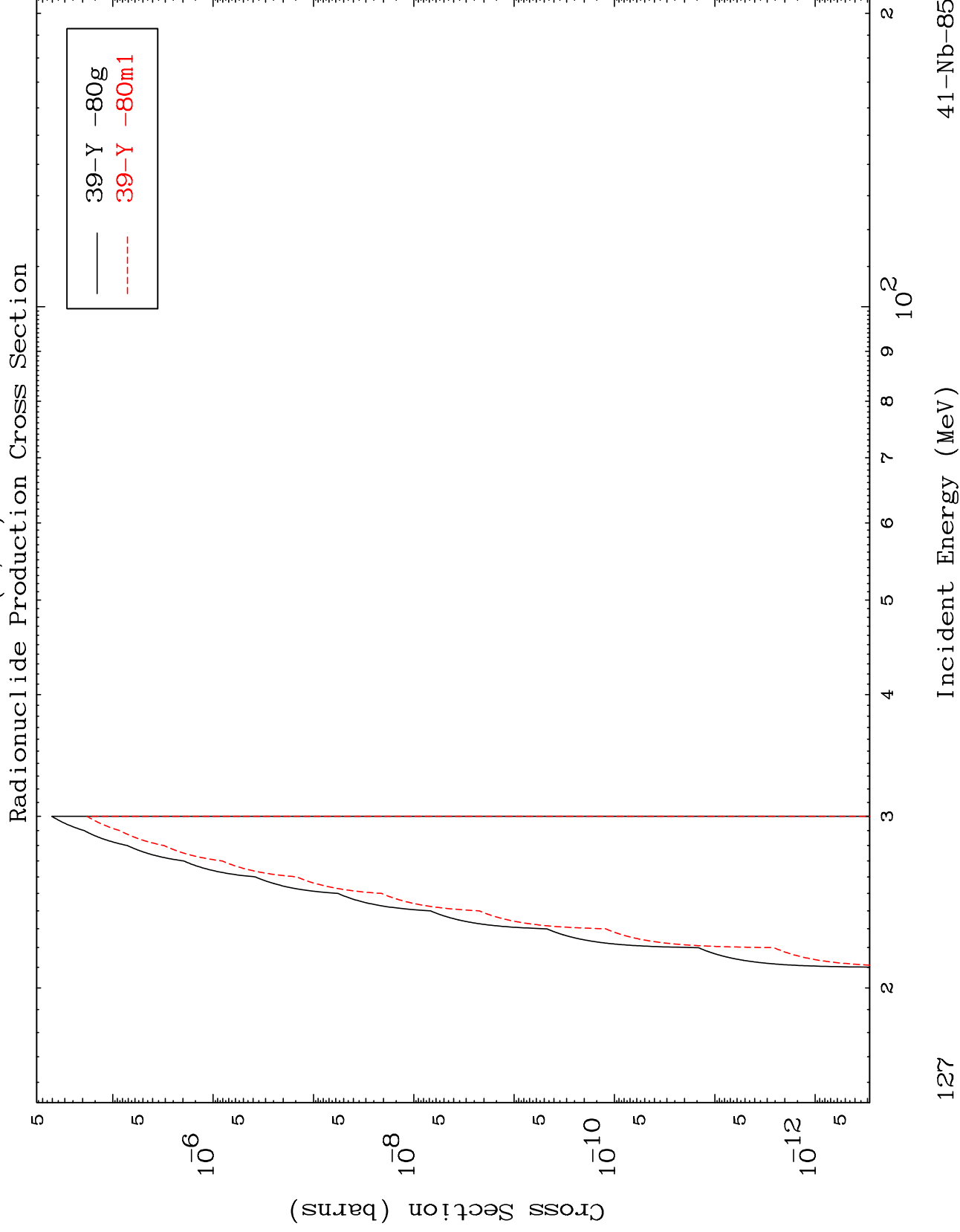
Incident Energy (MeV)

41-Nb-85

MAT 4101

(n,2n) α

41-Nb-85



127

Incident Energy (MeV)

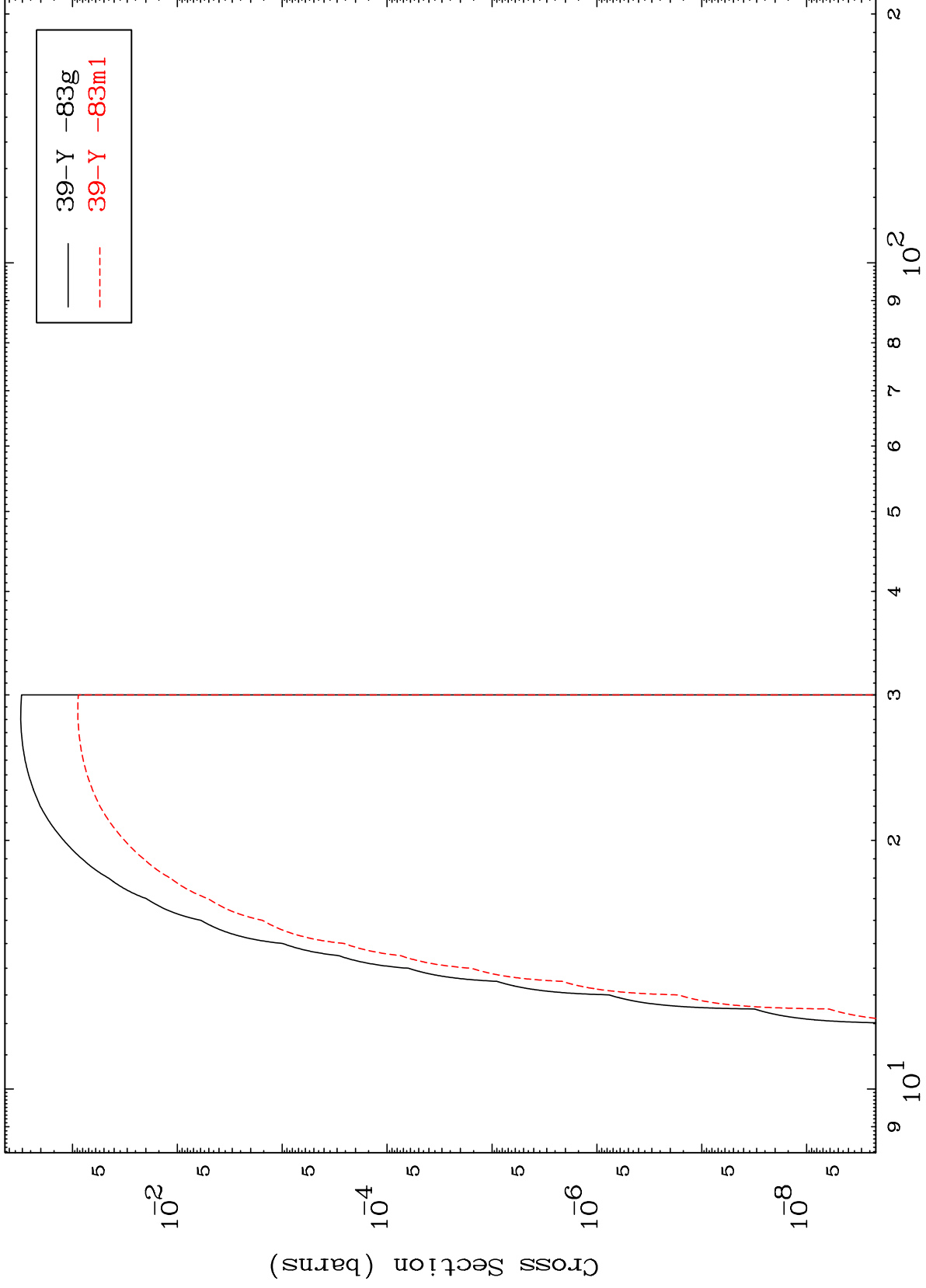
41-Nb-85

MAT 4101

(n,2n) p

41-Nb-85

Radionuclide Production Cross Section



128

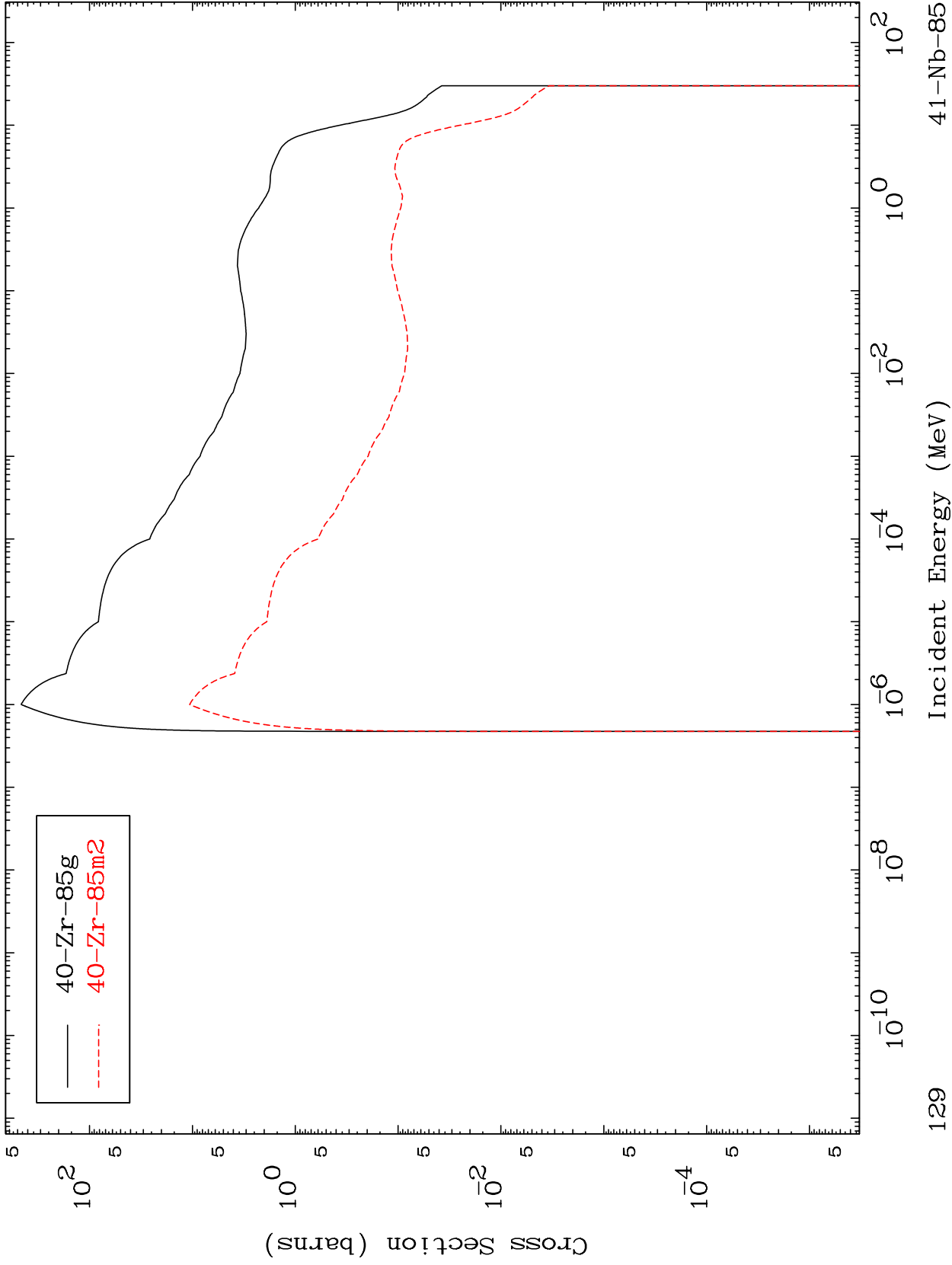
Incident Energy (MeV)

41-Nb-85

MAT 4101

41-Nb-85

Radionuclide Production Cross Section

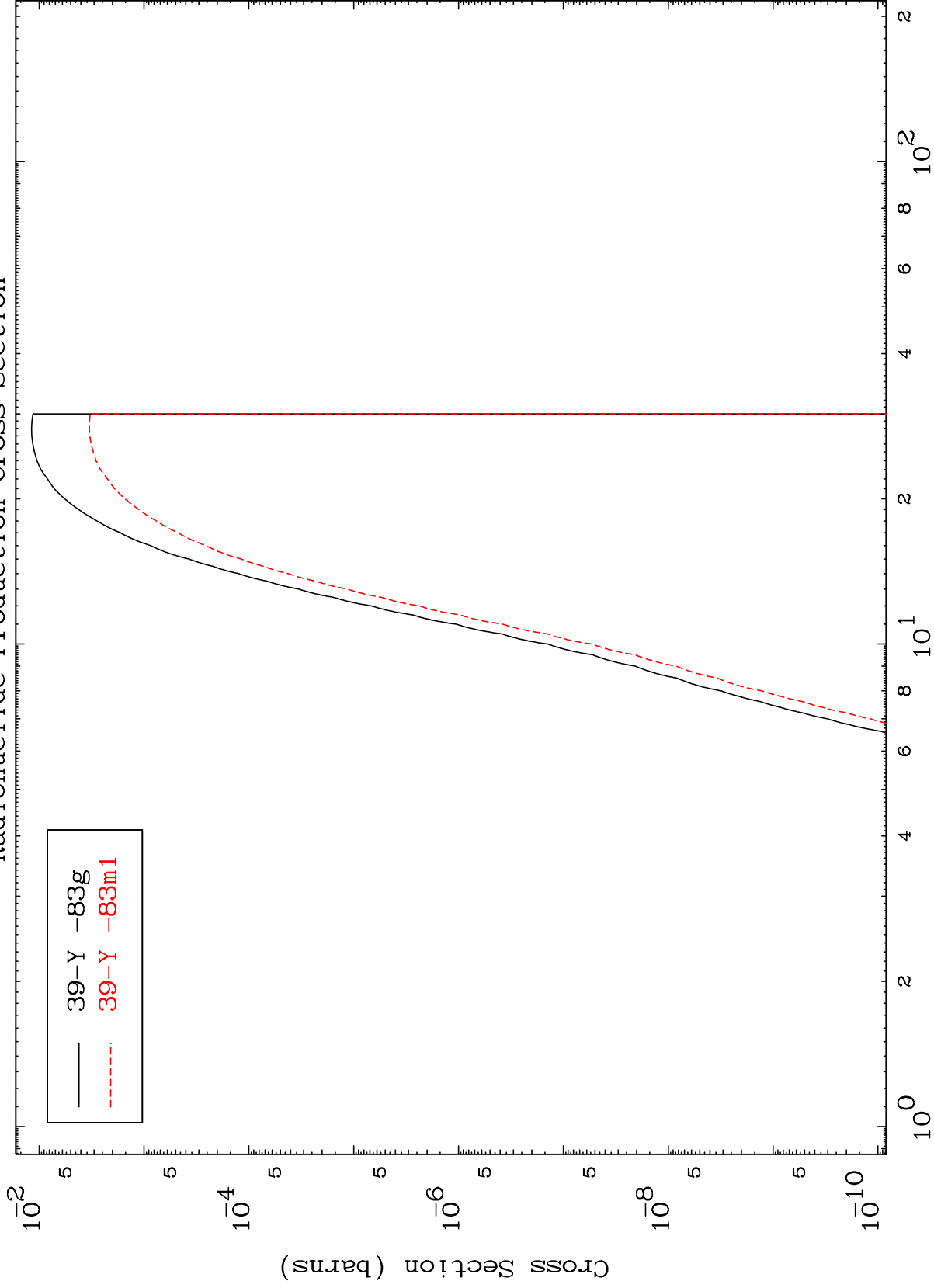


MAT 4101

(n,He-3)

41-Nb-85

Radionuclide Production Cross Section



130

Incident Energy (MeV)

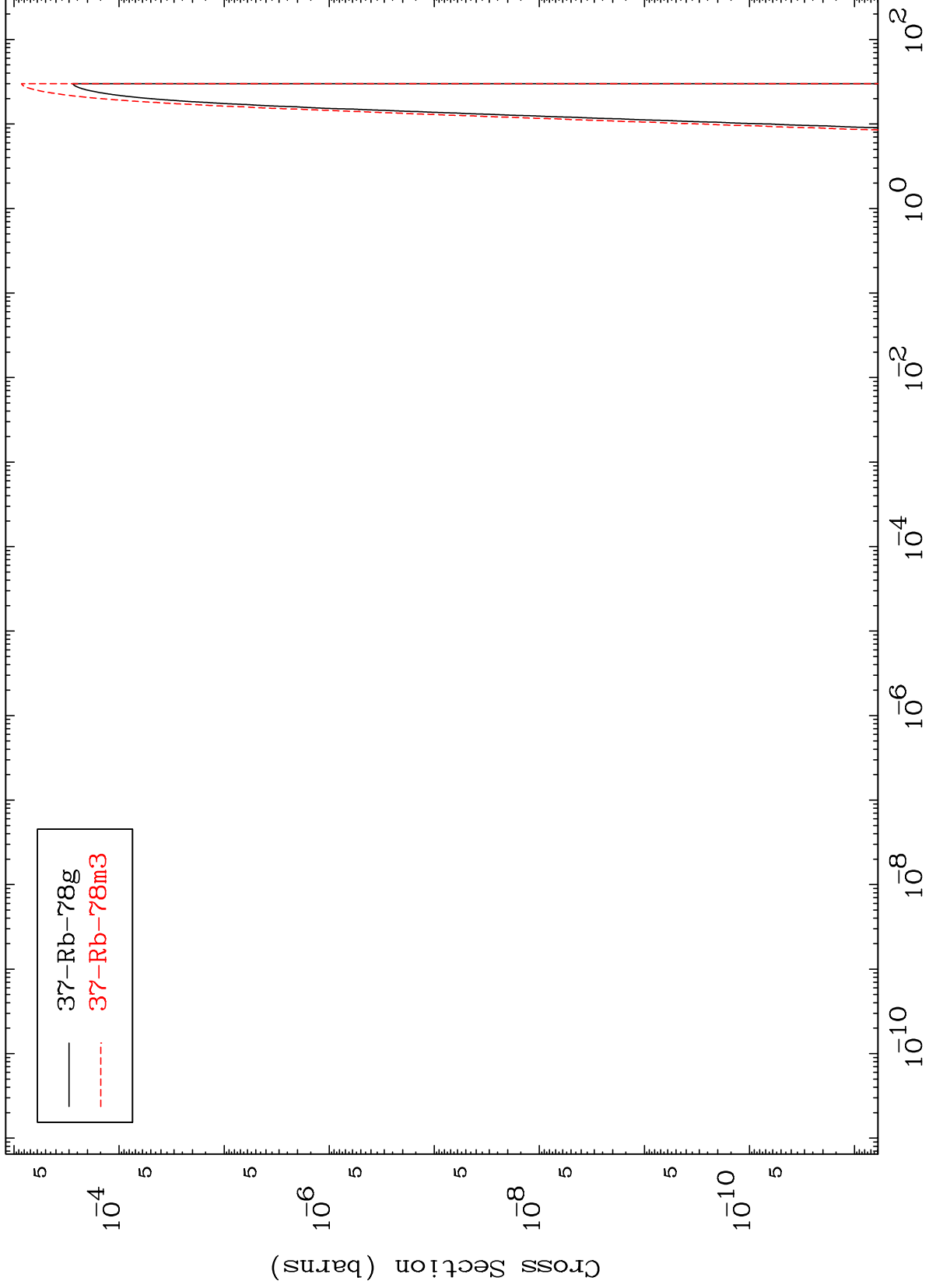
41-Nb-85

MAT 4101

(n,2α)

41-Nb-85

Radionuclide Production Cross Section



— 37-Rb-78g
- - - 37-Rb-78m3

131

Incident Energy (MeV)

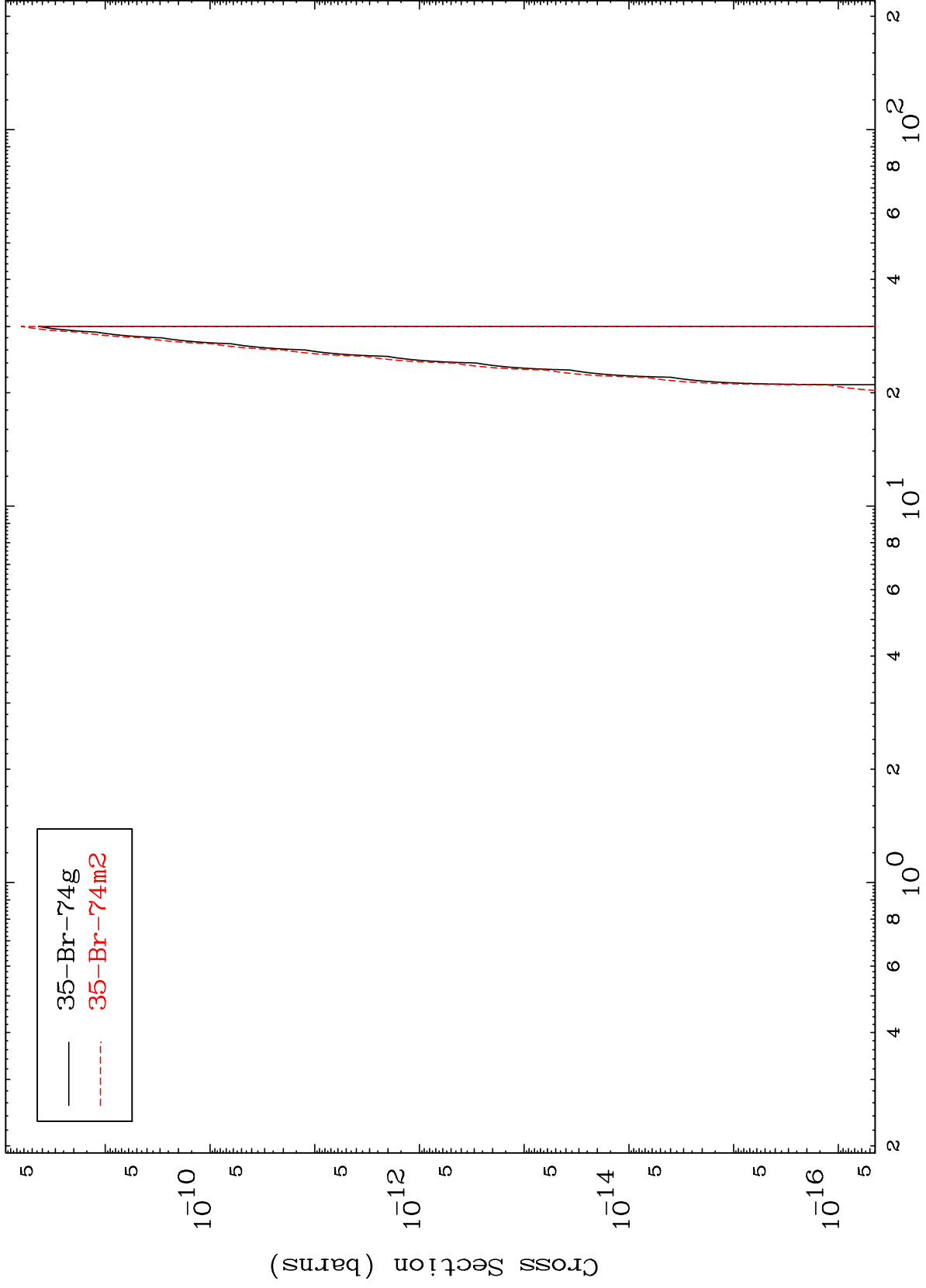
41-Nb-85

MAT 4101

(n, 3 α)

41-Nb-85

Radionuclide Production Cross Section

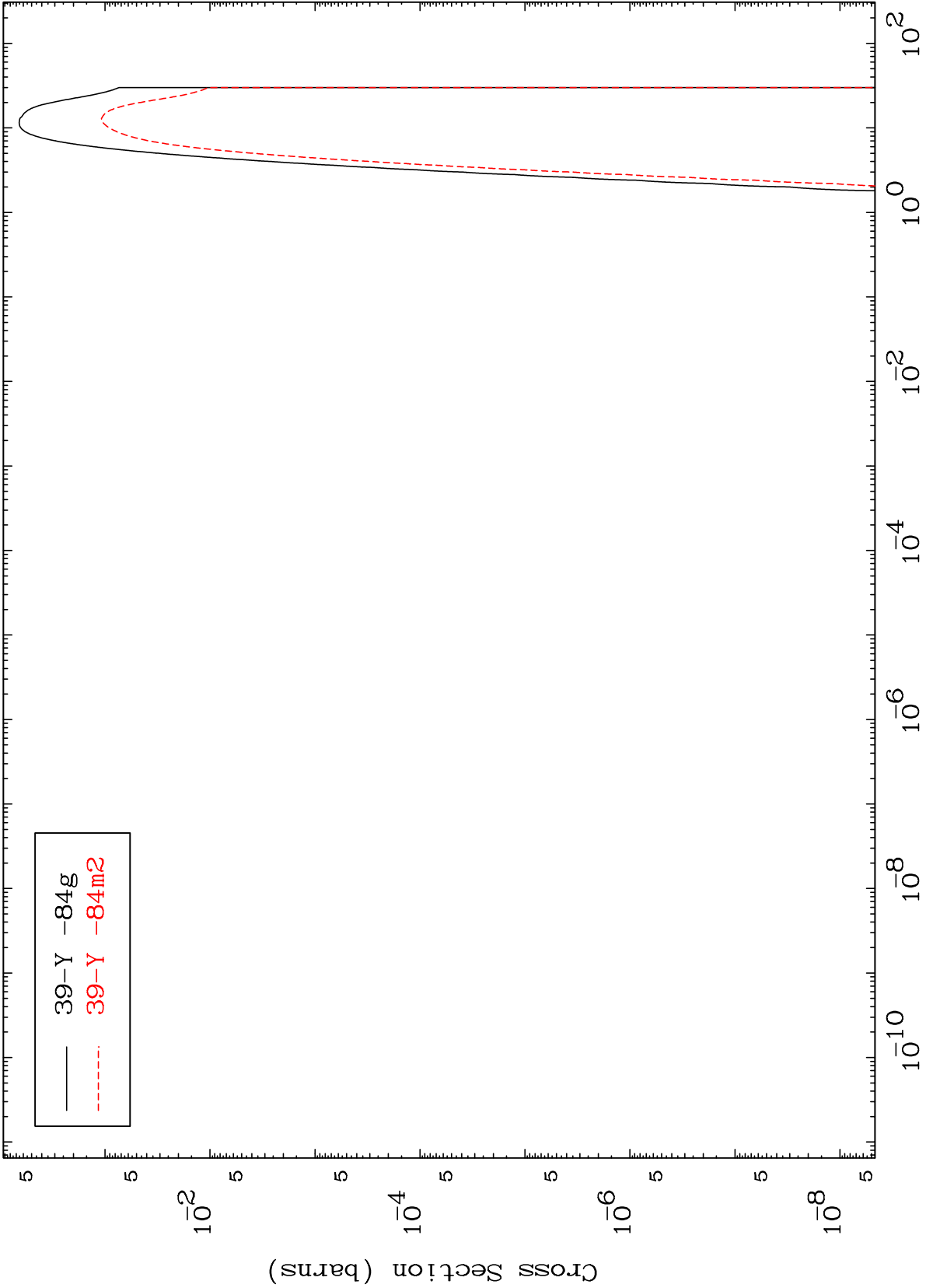


MAT 4101

(n,2p)

41-Nb-85

Radionuclide Production Cross Section



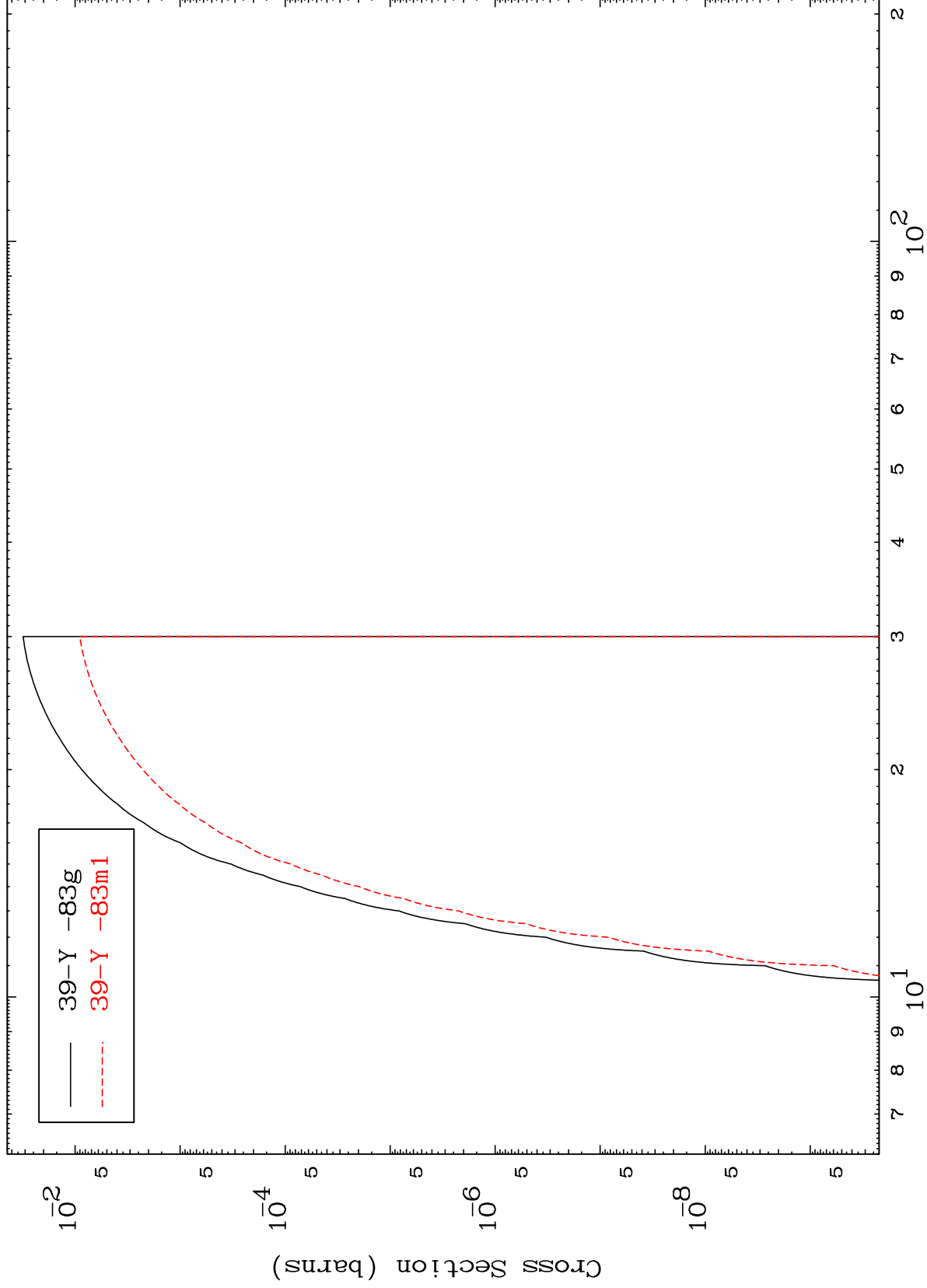
— 39-Y -84g
- - - 39-Y -84m2

MAT 4101

(n,p) d

41-Nb-85

Radionuclide Production Cross Section



134

Incident Energy (MeV)

41-Nb-85