

Program EVALPLOT  
(Version 2015-2)

by

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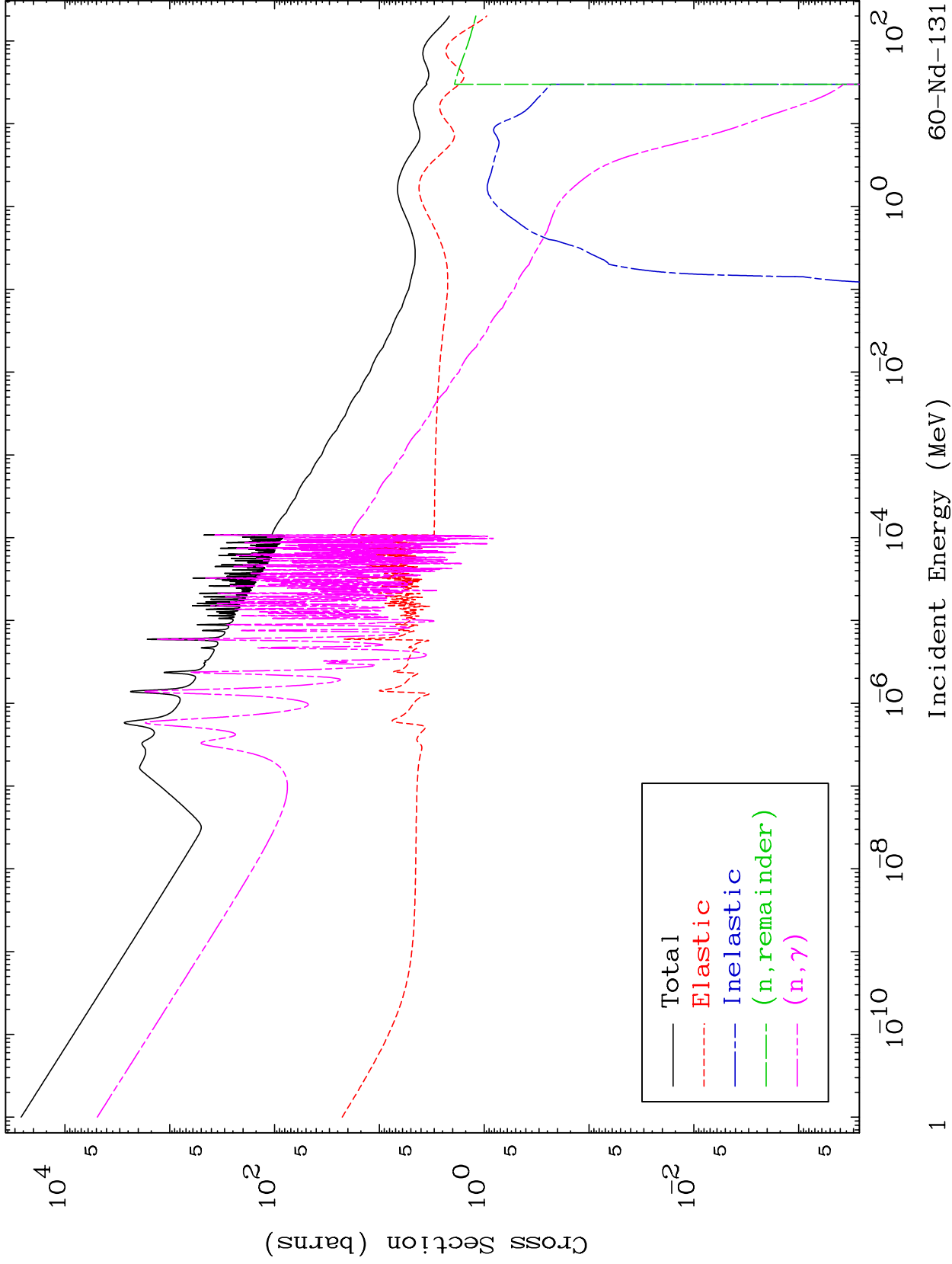
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5992

Major  
293 Kelvin Cross Sections

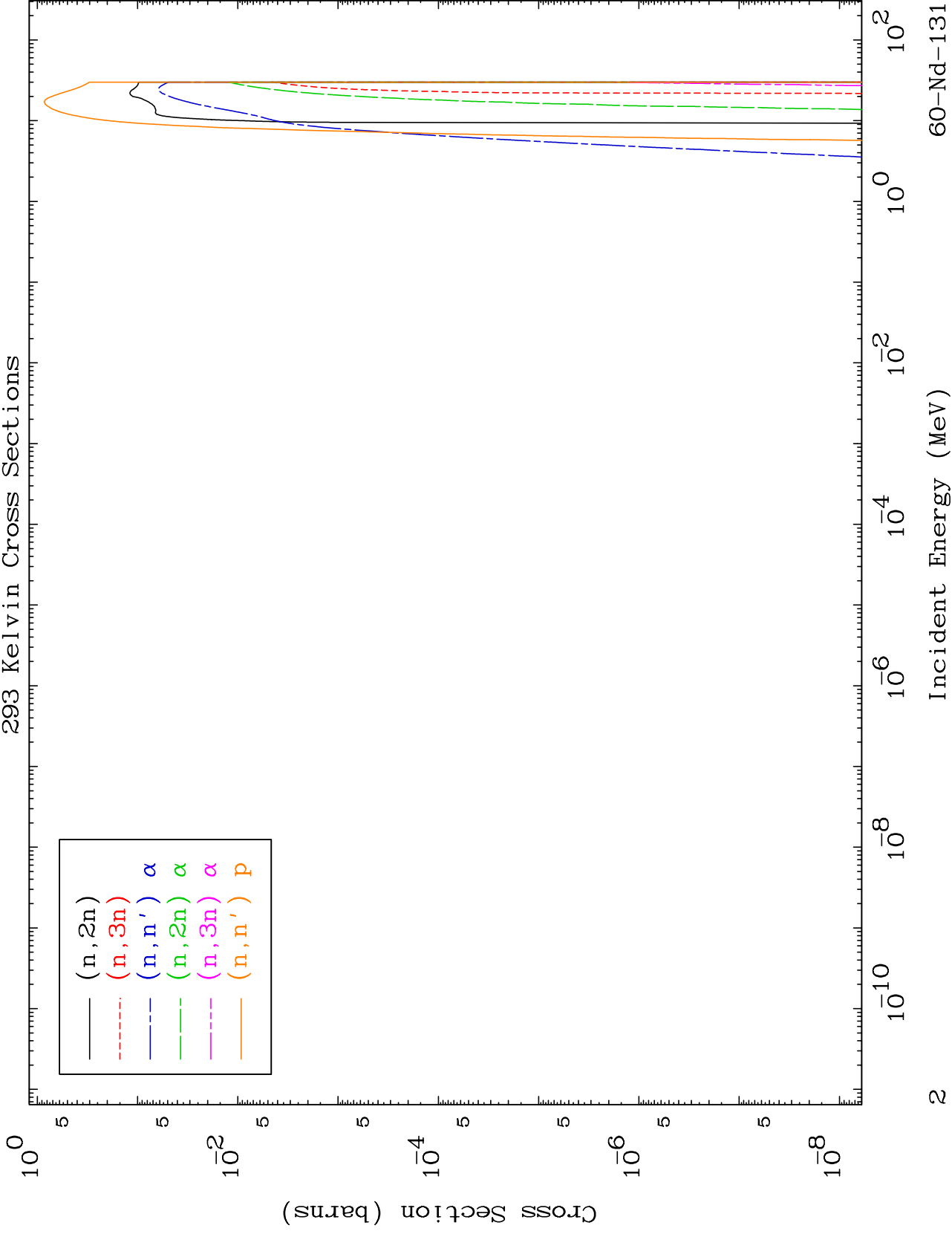
60-Nd-131



MAT 5992

Neutron Production  
293 Kelvin Cross Sections

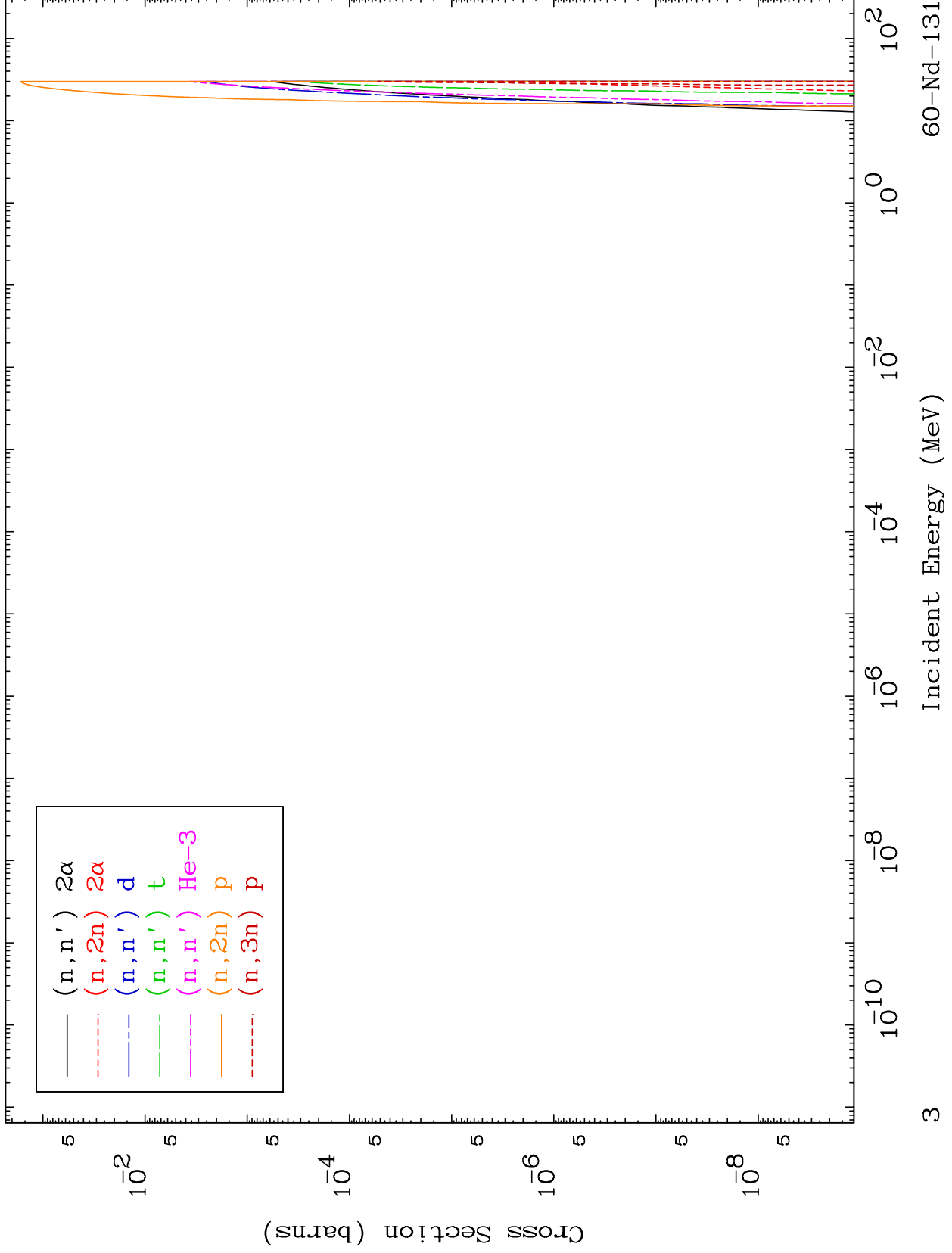
60-Nd-131



MAT 5992

Neutron Production  
293 Kelvin Cross Sections

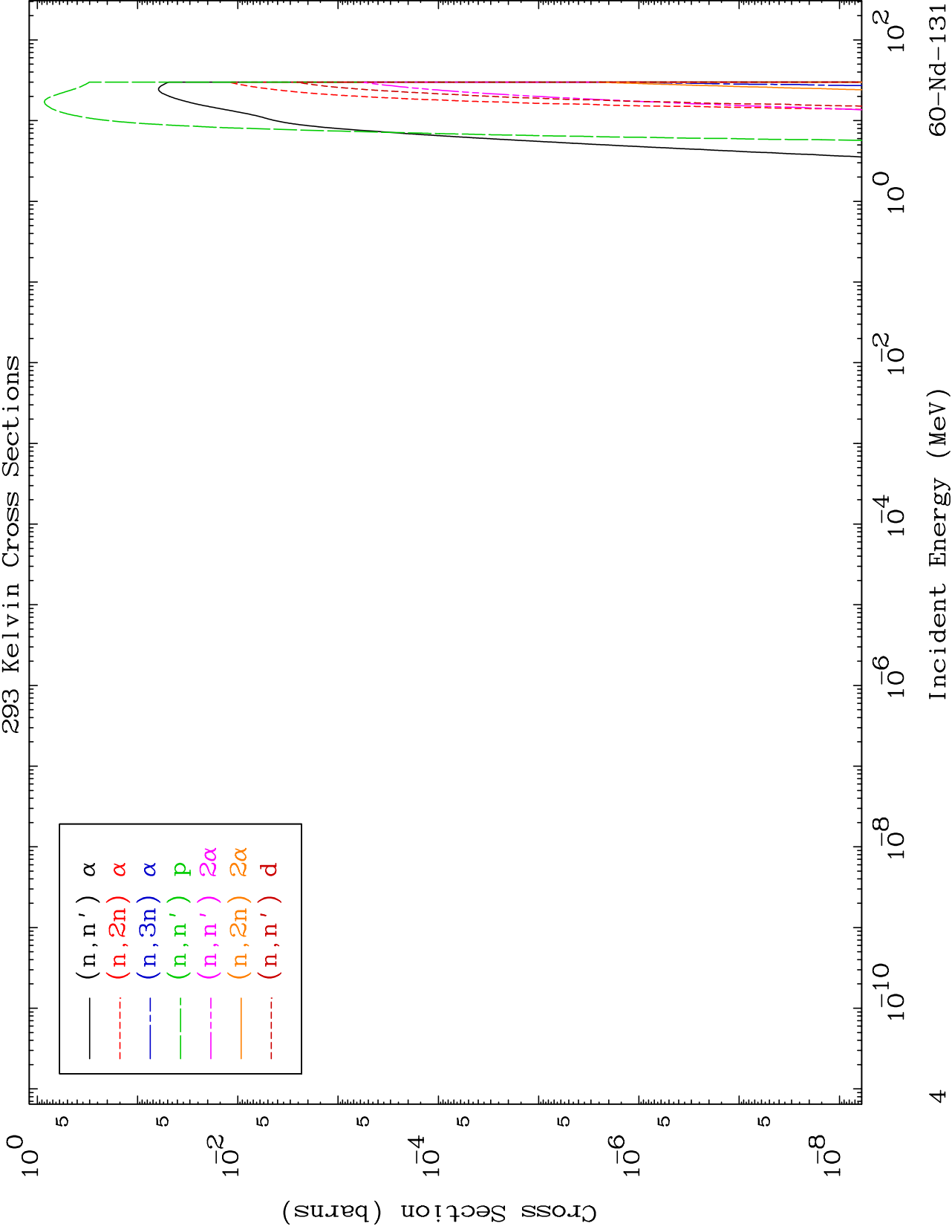
60-Nd-131

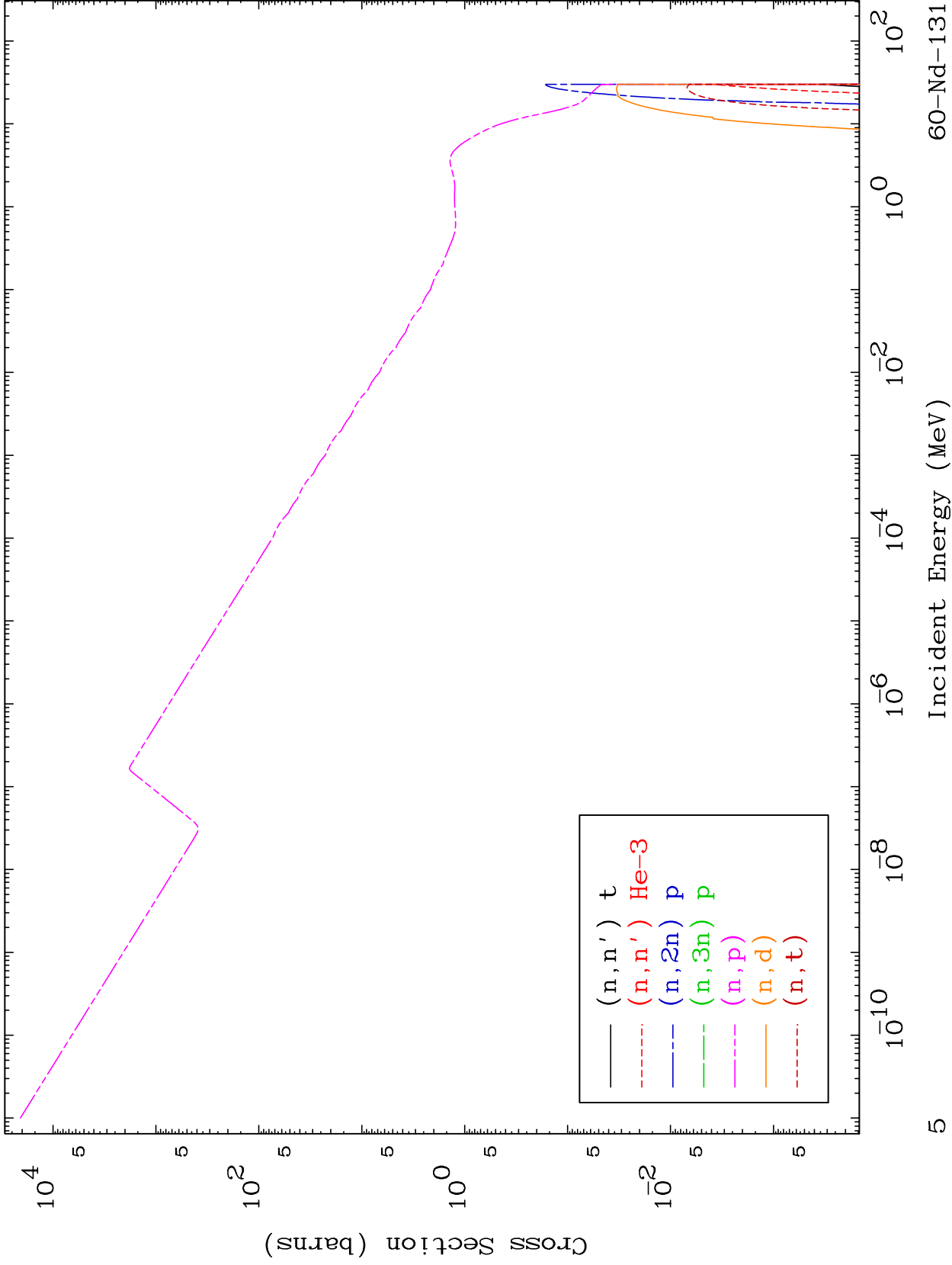


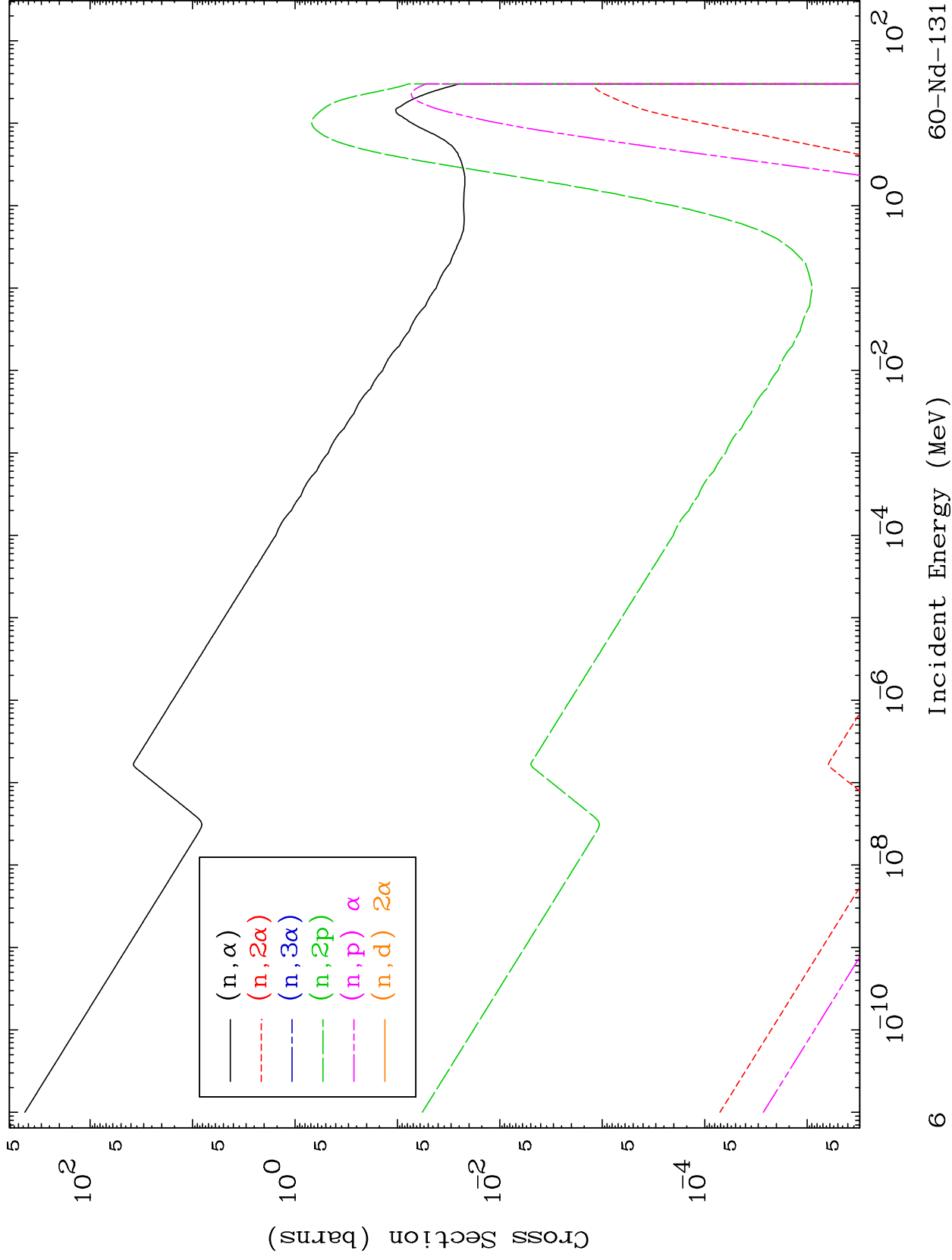
MAT 5992

Charged Particle  
293 Kelvin Cross Sections

60-Nd-131



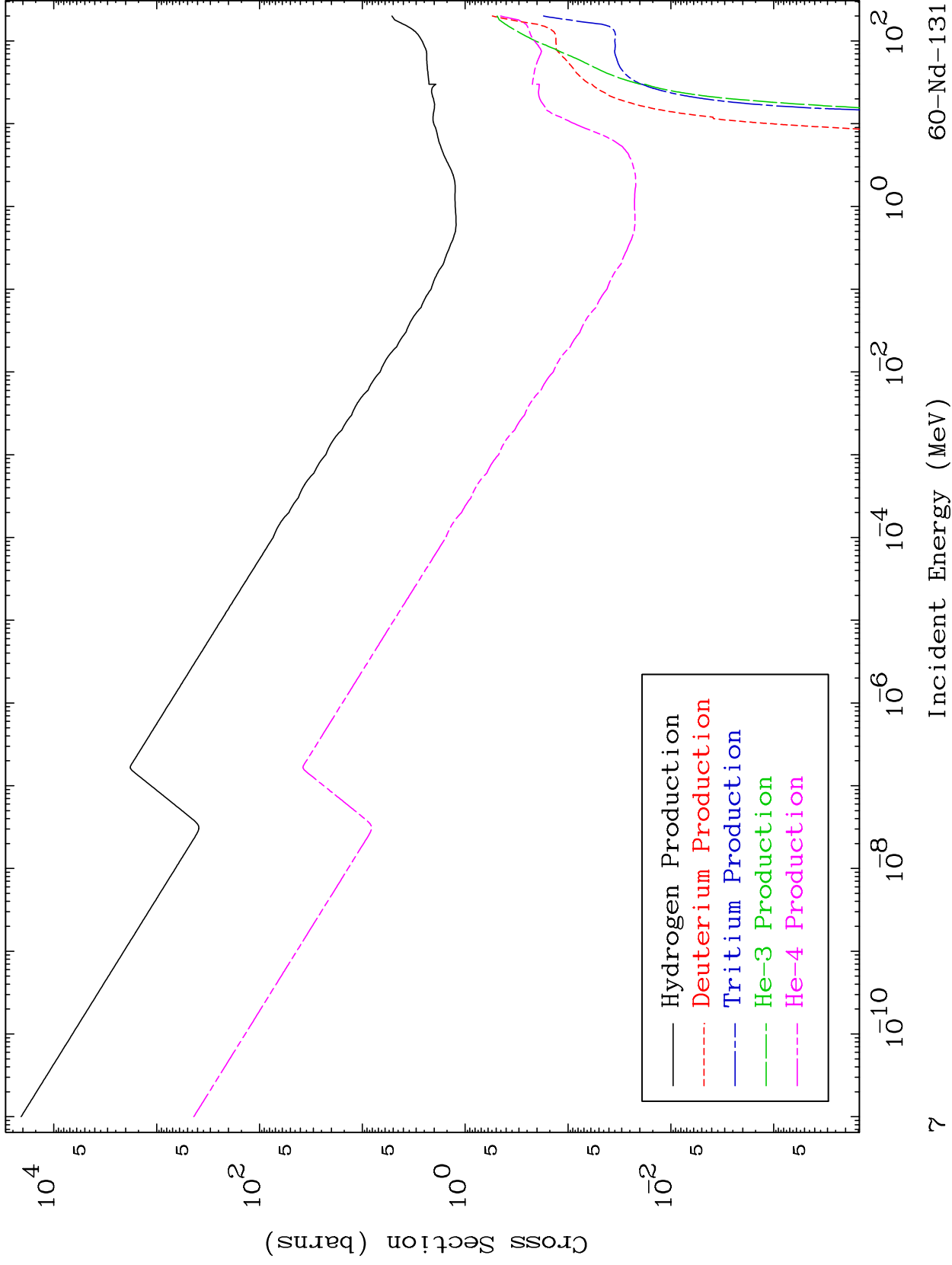




MAT 5992

Particle Production  
293 Kelvin Cross Sections

60-Nd-131

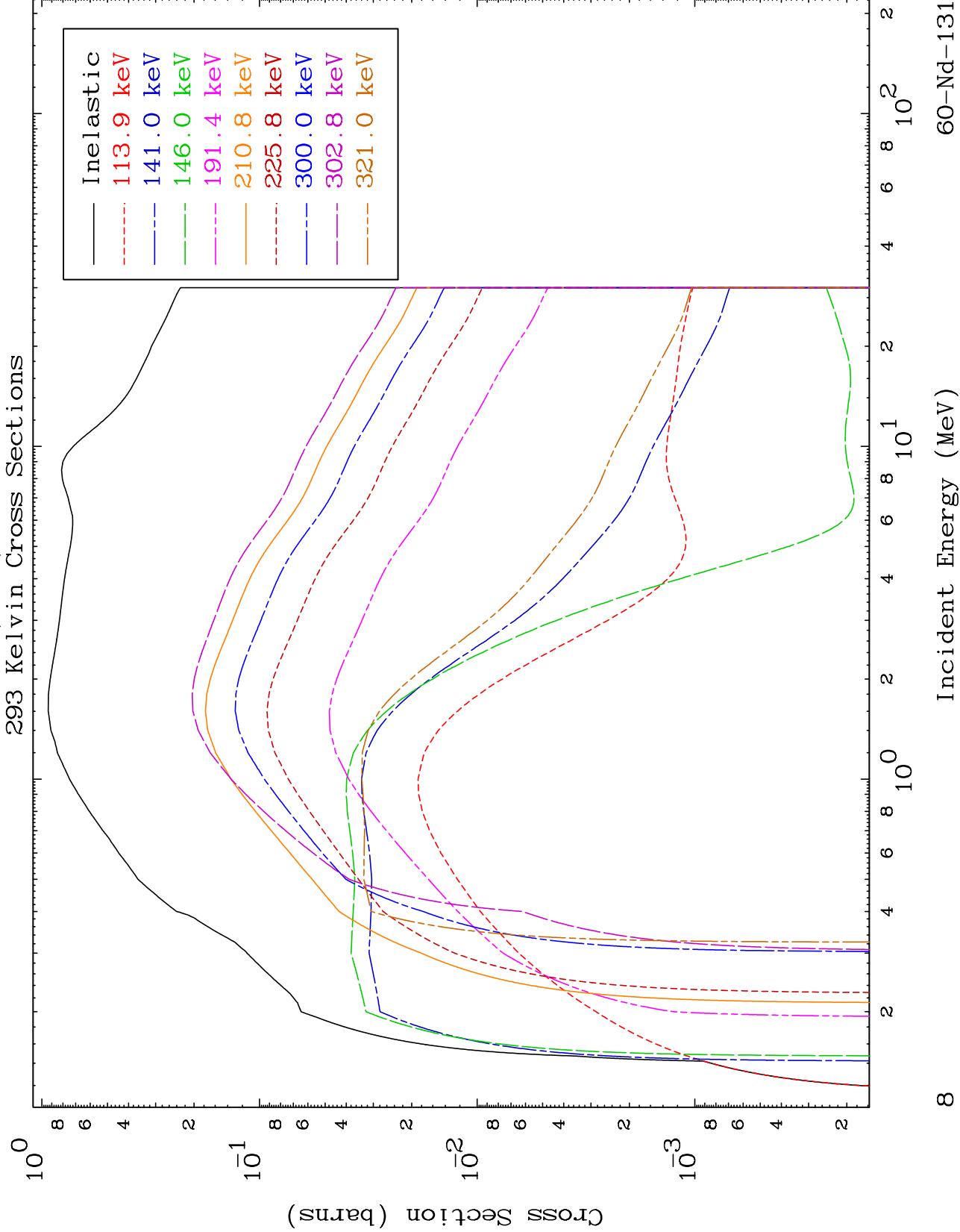


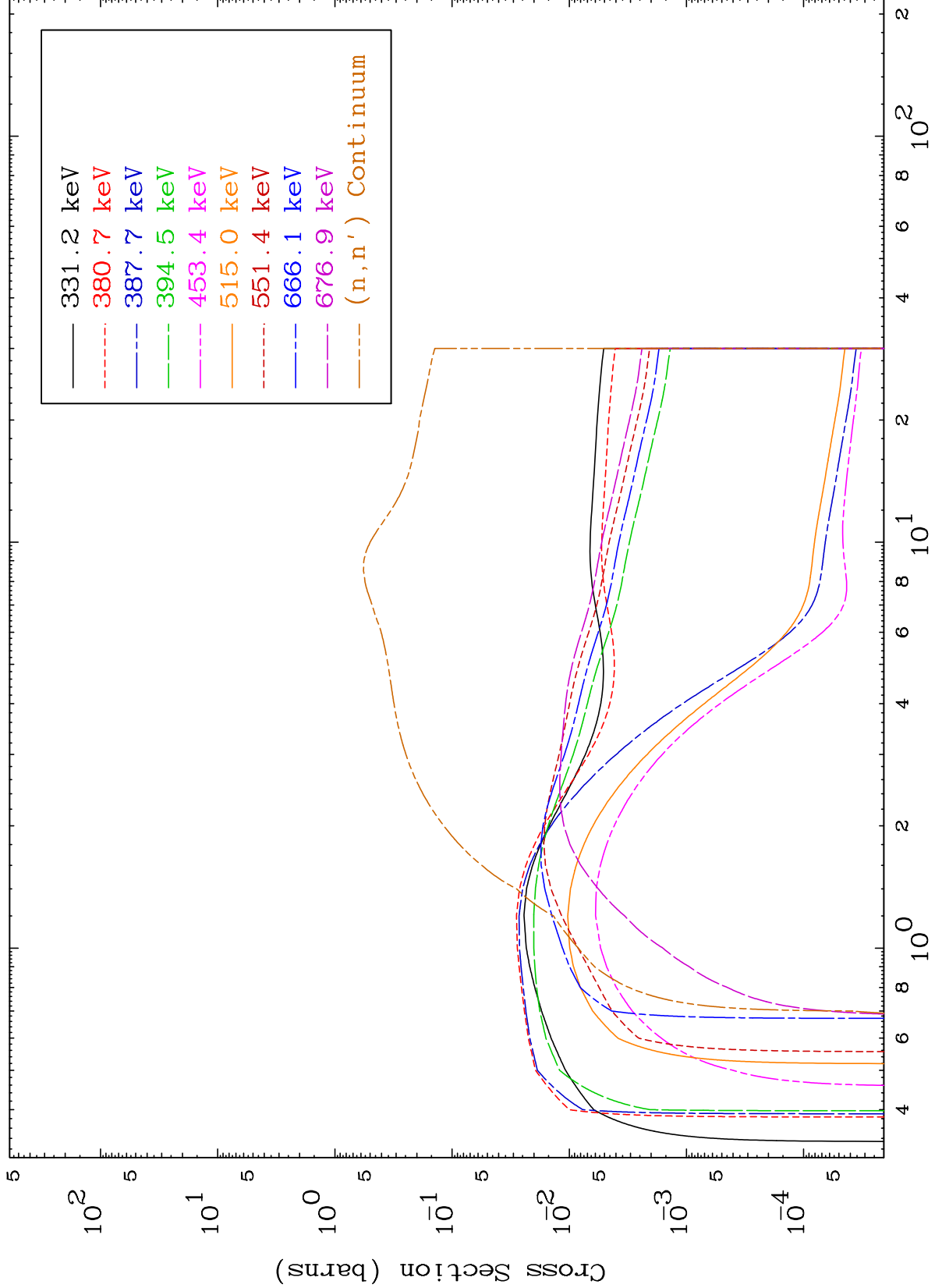


MAT 5992

(n,n') Level

60-Nd-131

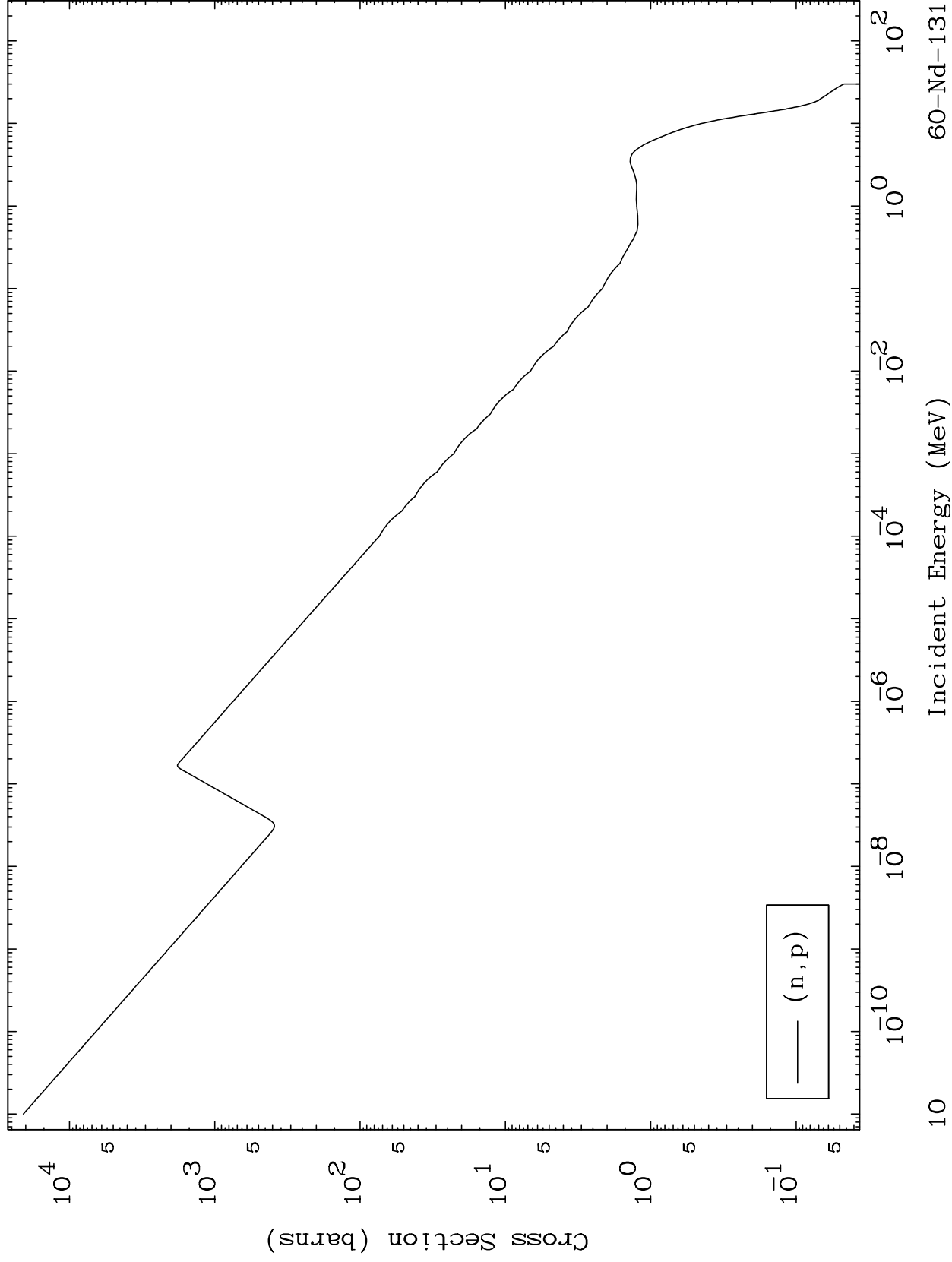




MAT 5992

(n,p) Levels  
293 Kelvin Cross Sections

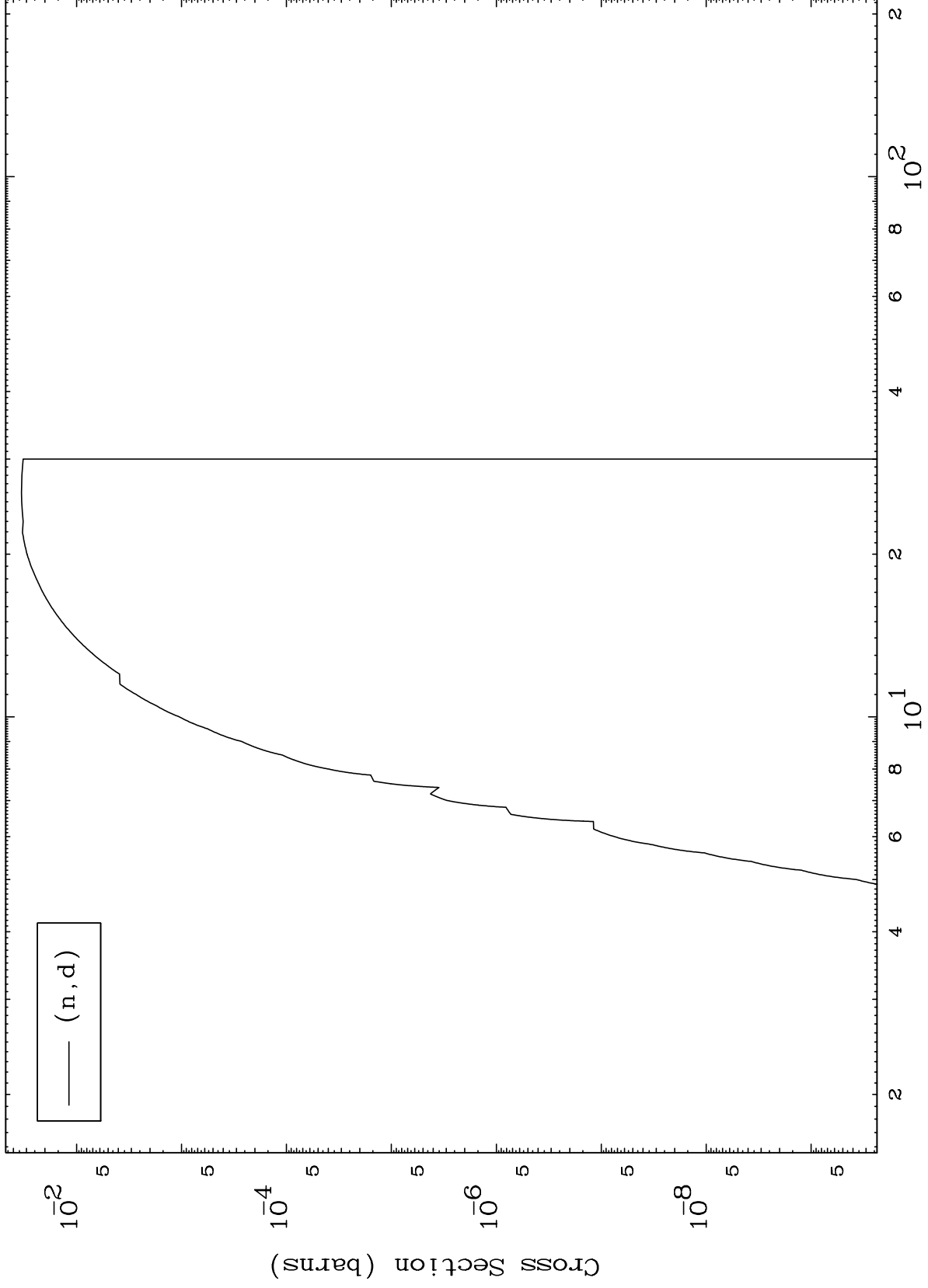
60-Nd-131



MAT 5992

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-131



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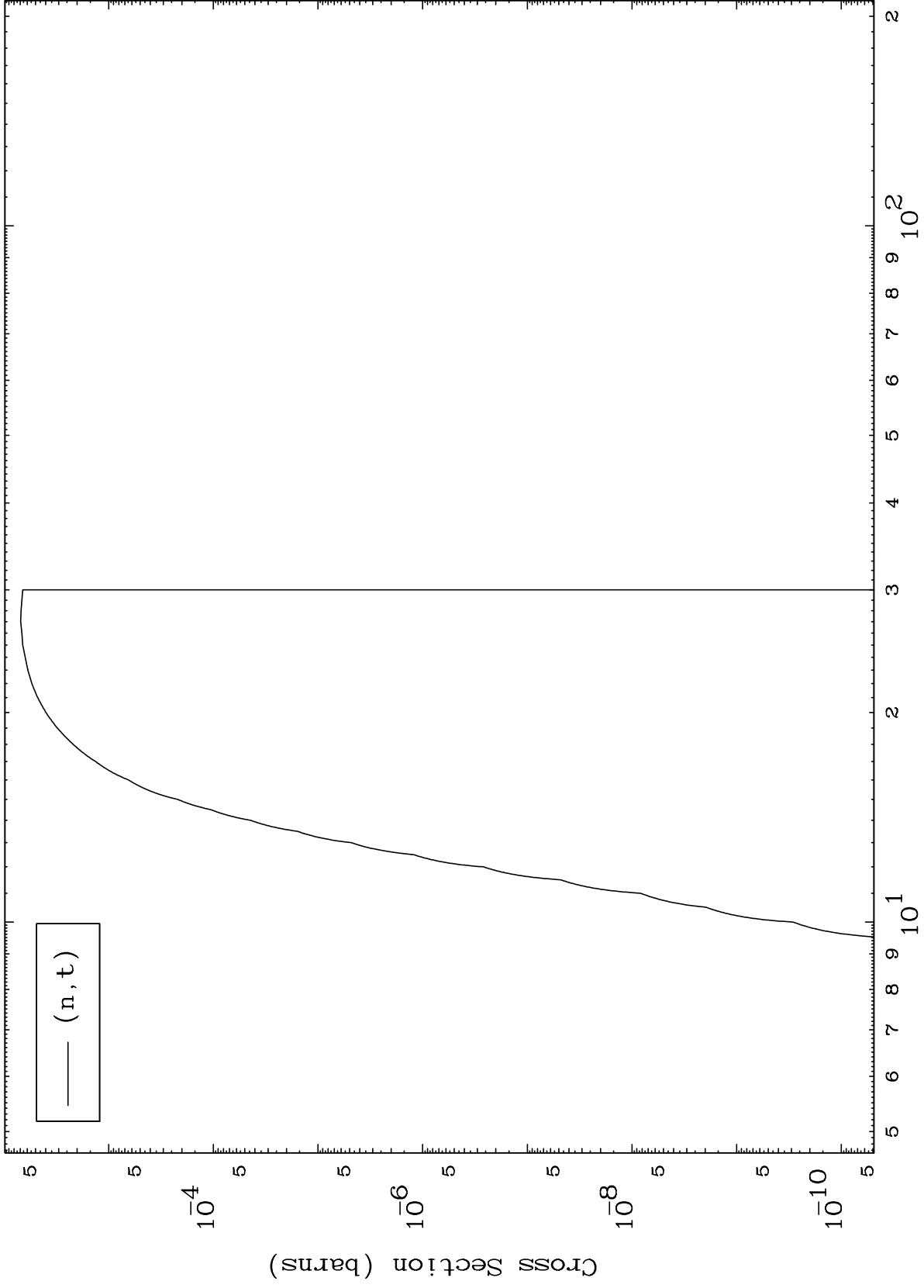
Incident Energy (MeV)

60-Nd-131

MAT 5992

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-131



12

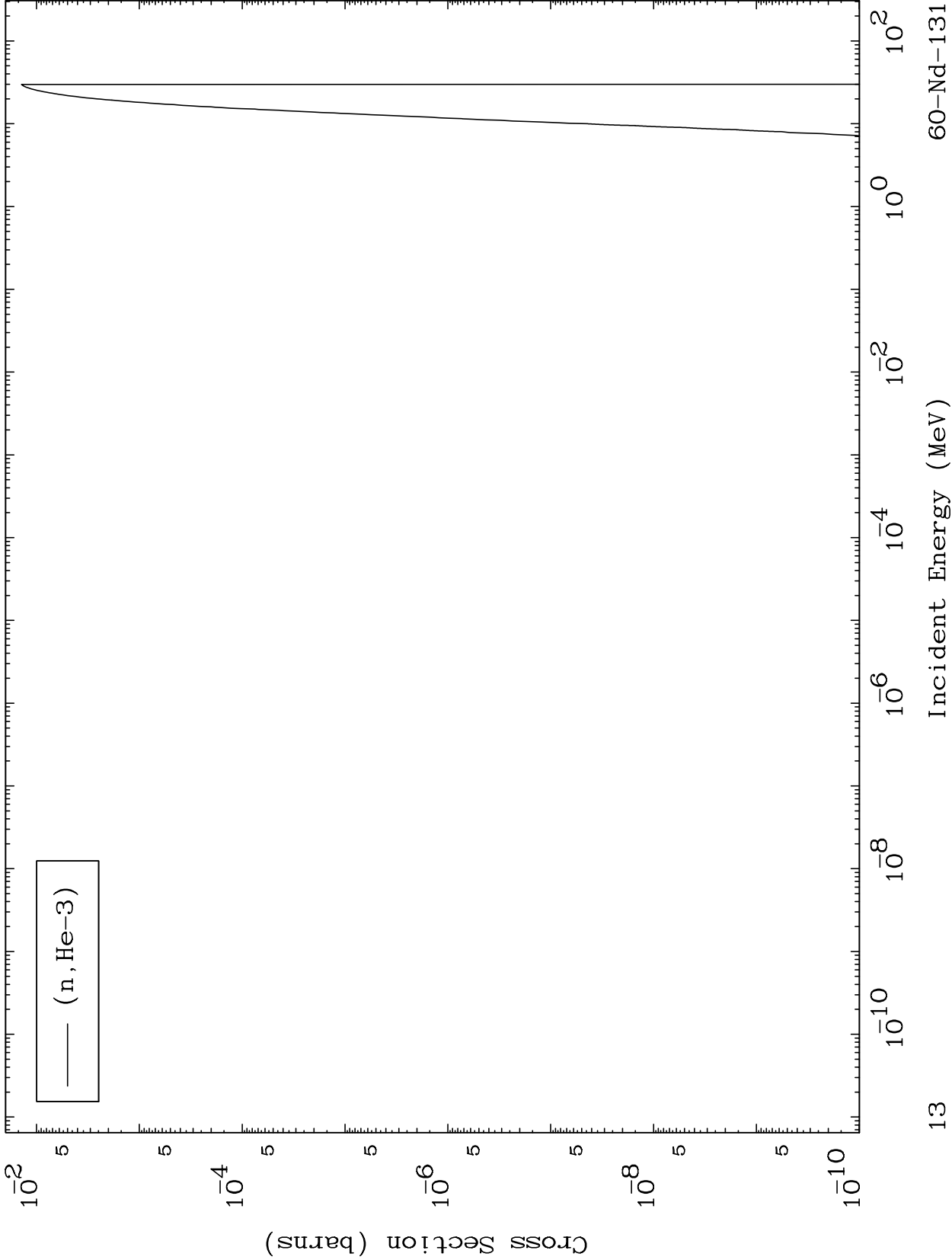
Incident Energy (MeV)

60-Nd-131

MAT 5992

(n,He3) Levels  
293 Kelvin Cross Sections

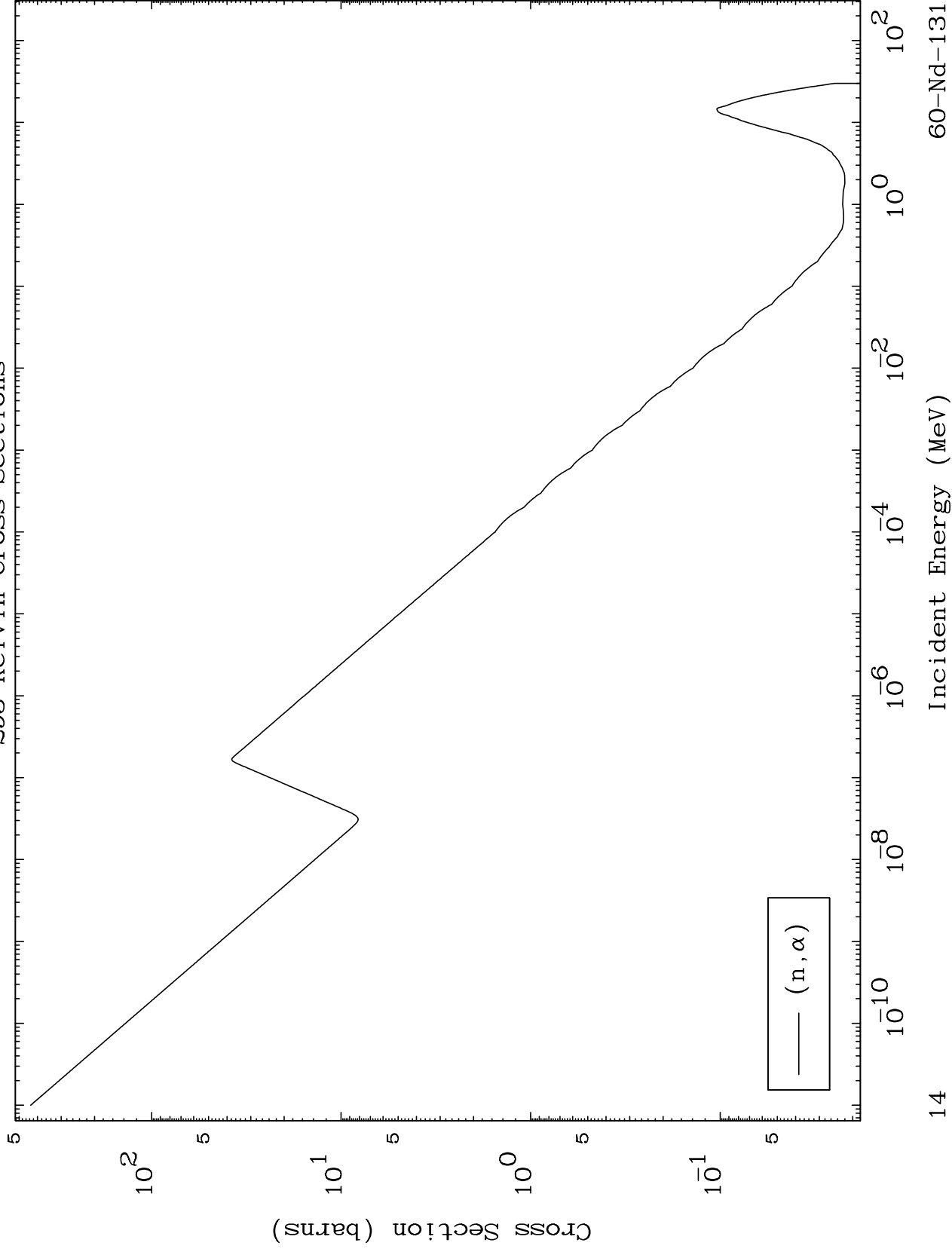
60-Nd-131



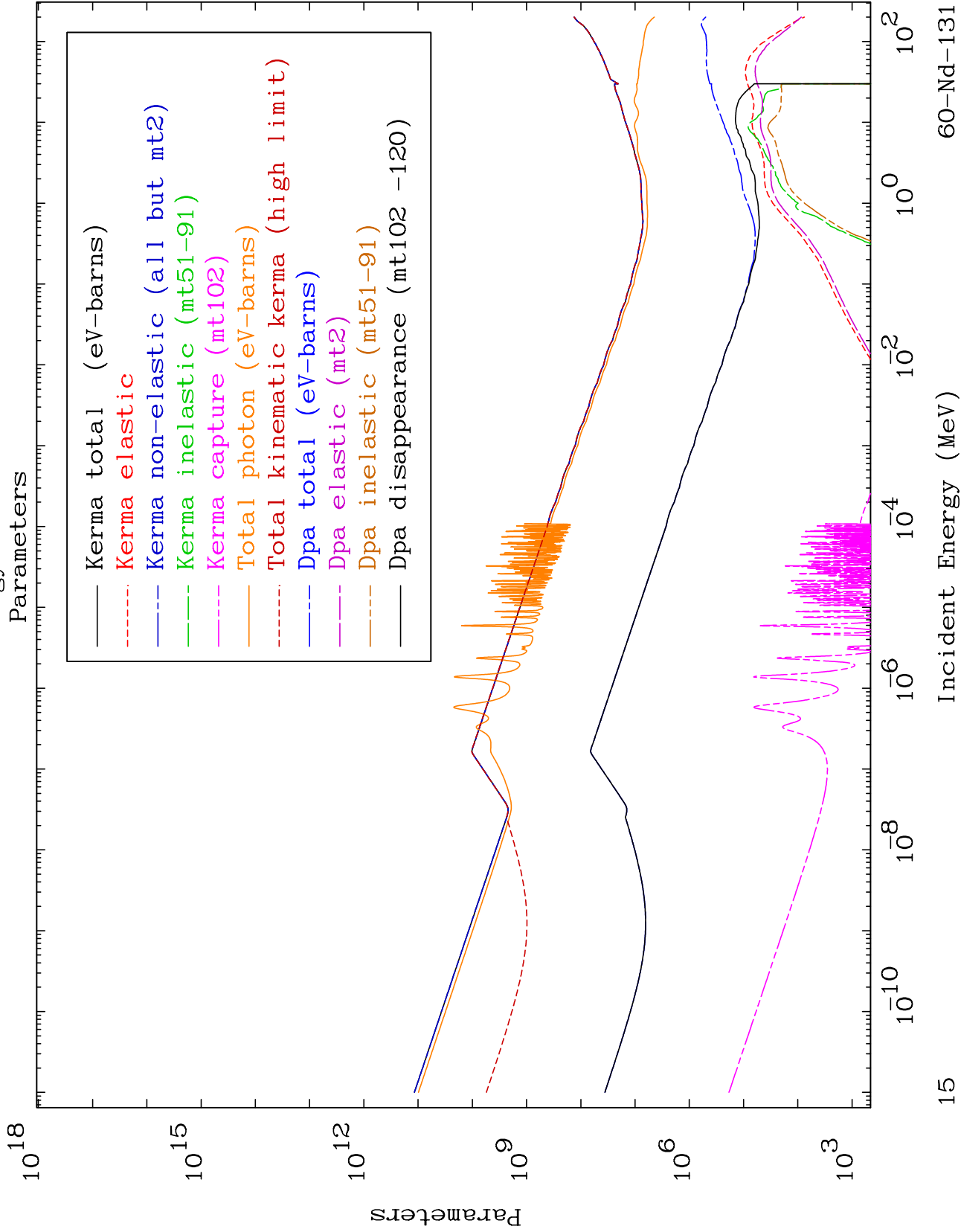
MAT 5992

(n,α) Levels  
293 Kelvin Cross Sections

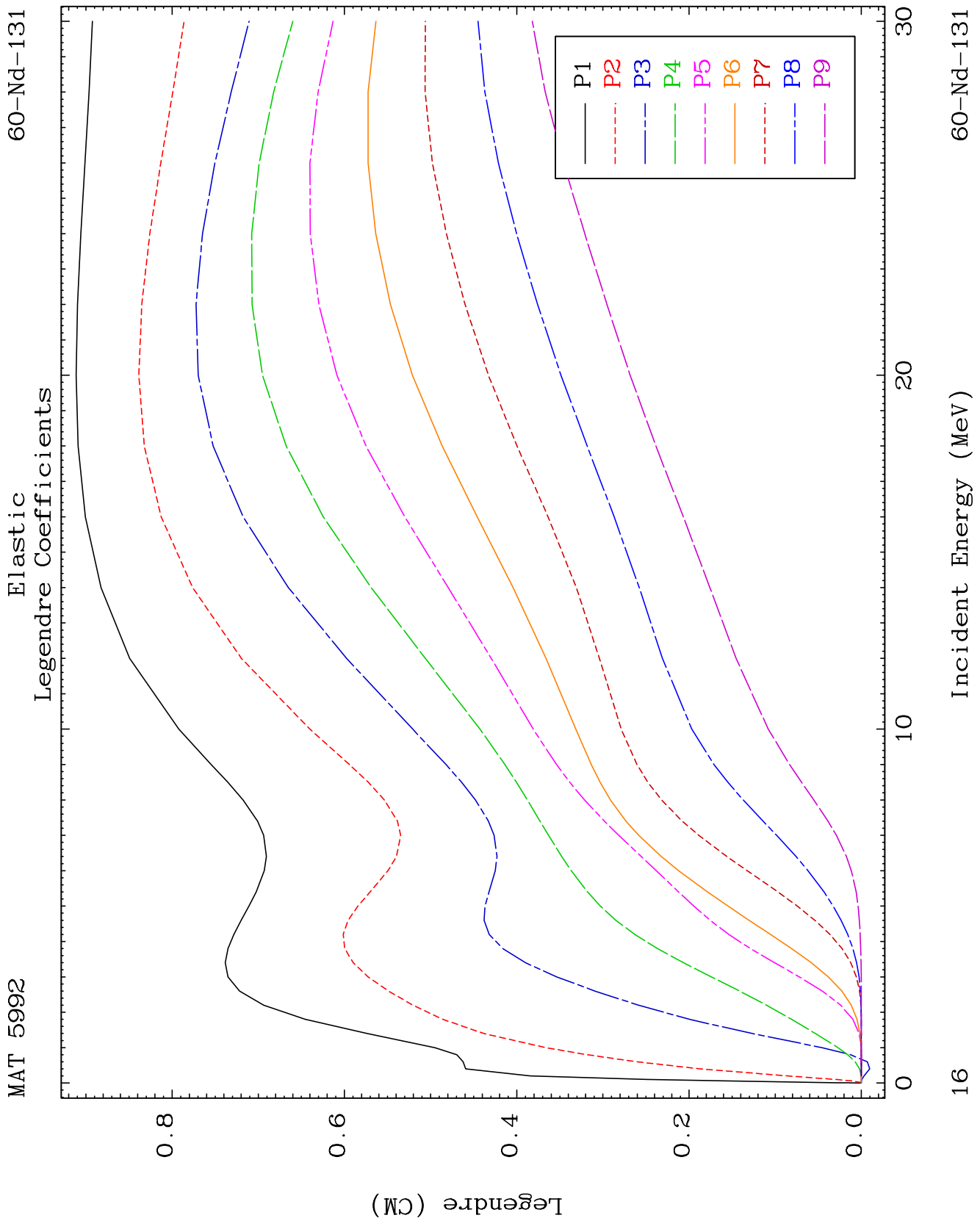
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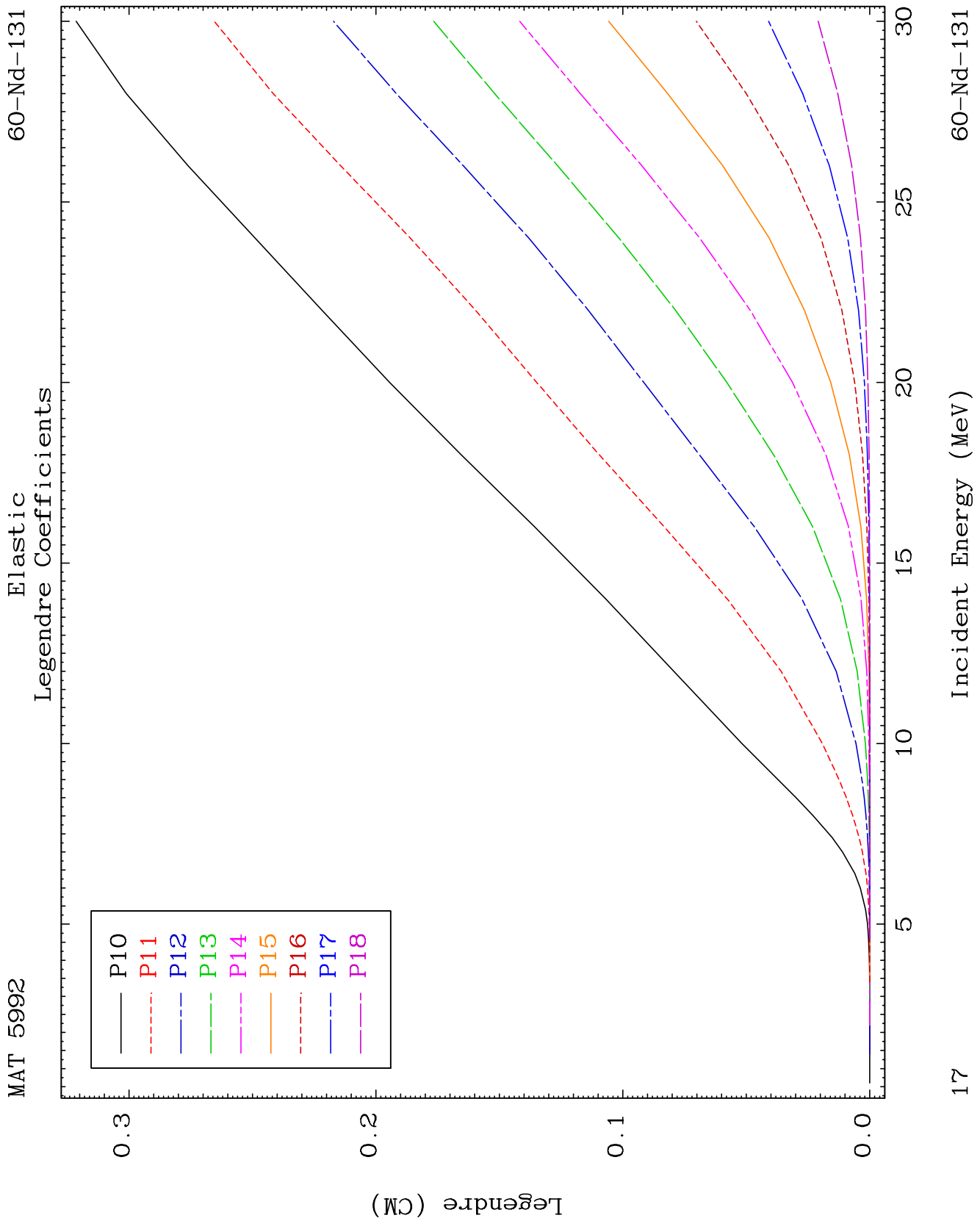


14





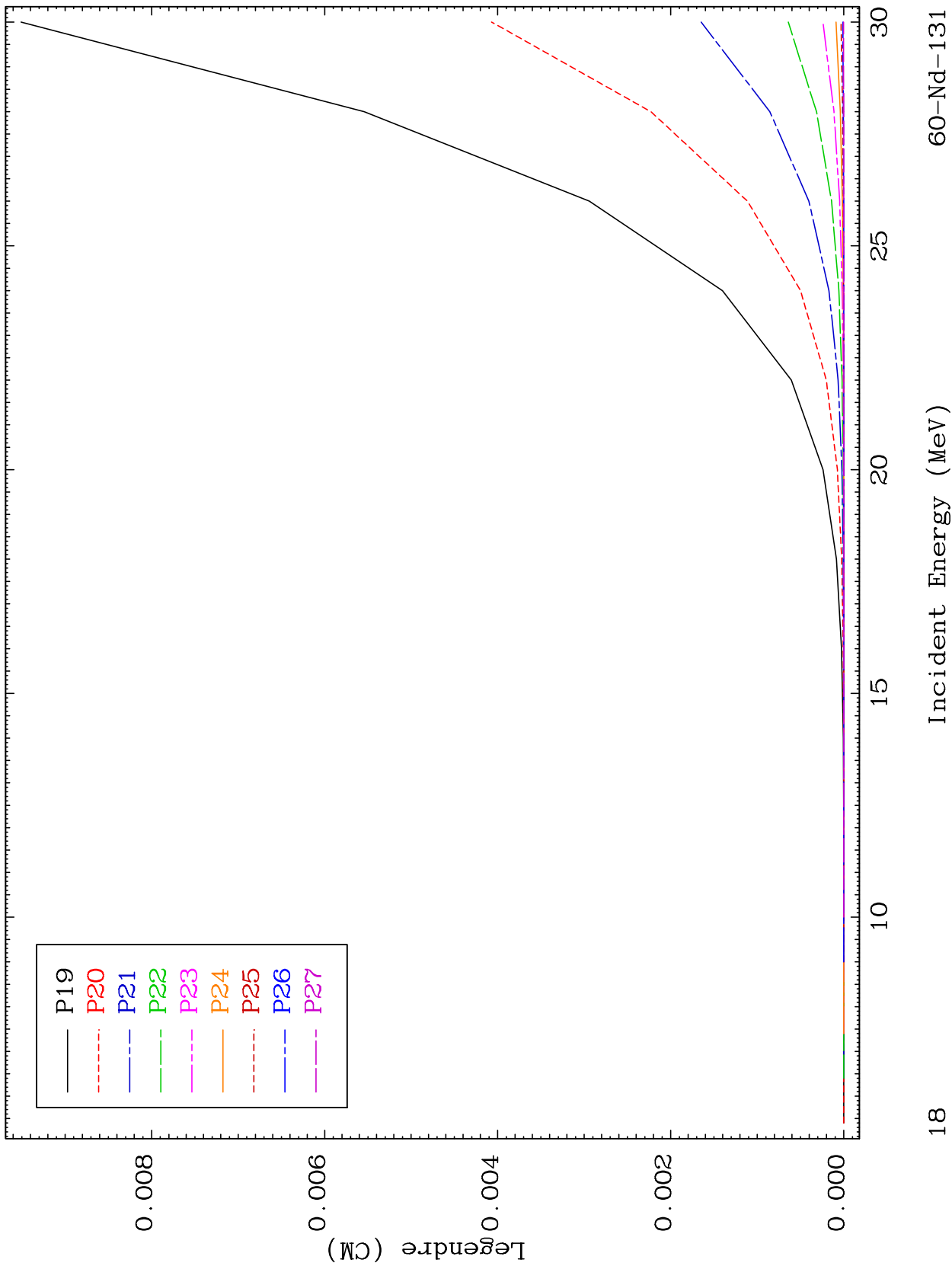




MAT 5992

### Elastic Legendre Coefficients

60-Nd-131



18

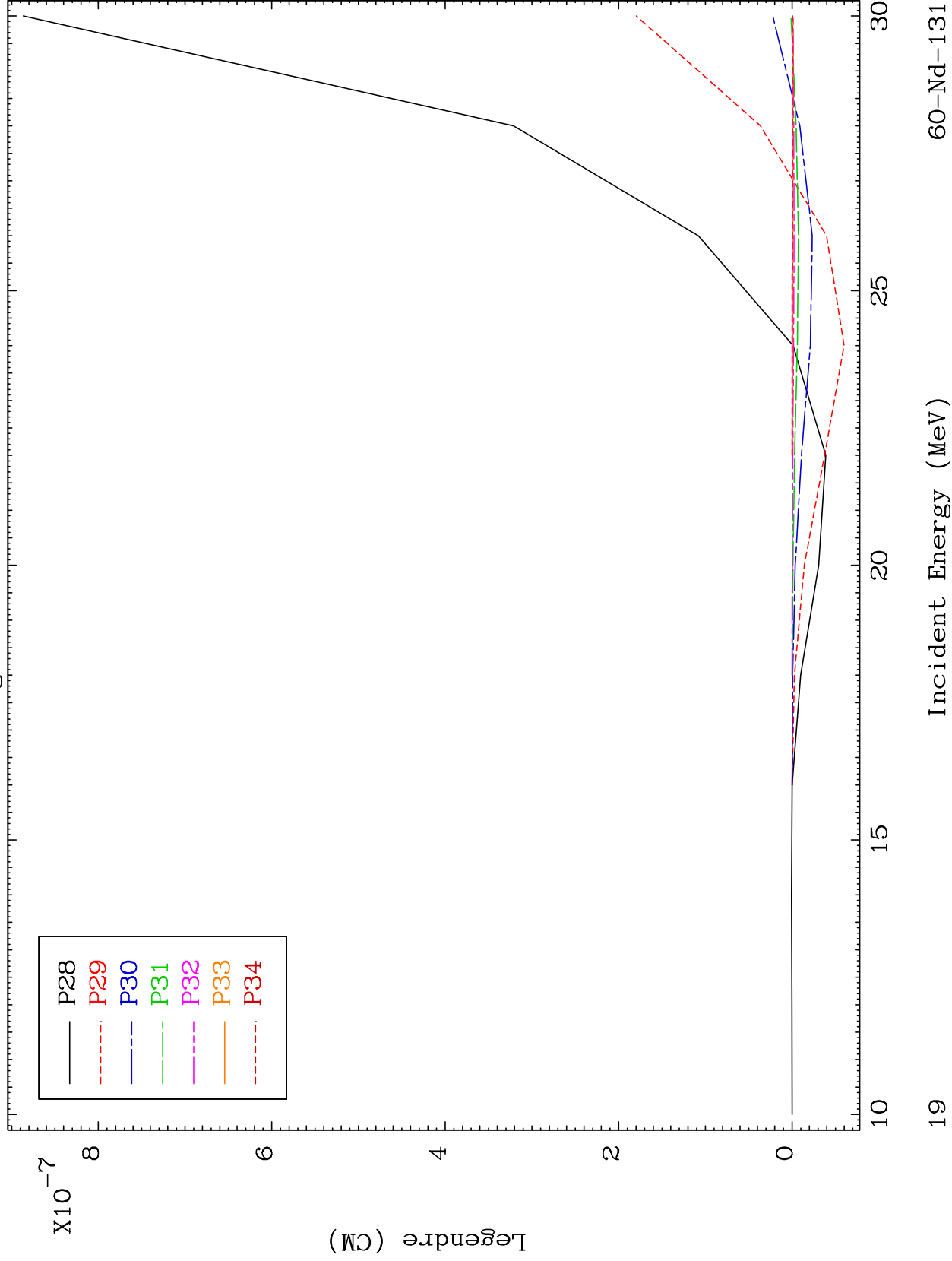
Incident Energy (MeV)

60-Nd-131

MAT 5992

Elastic Legendre Coefficients

60-Nd-131



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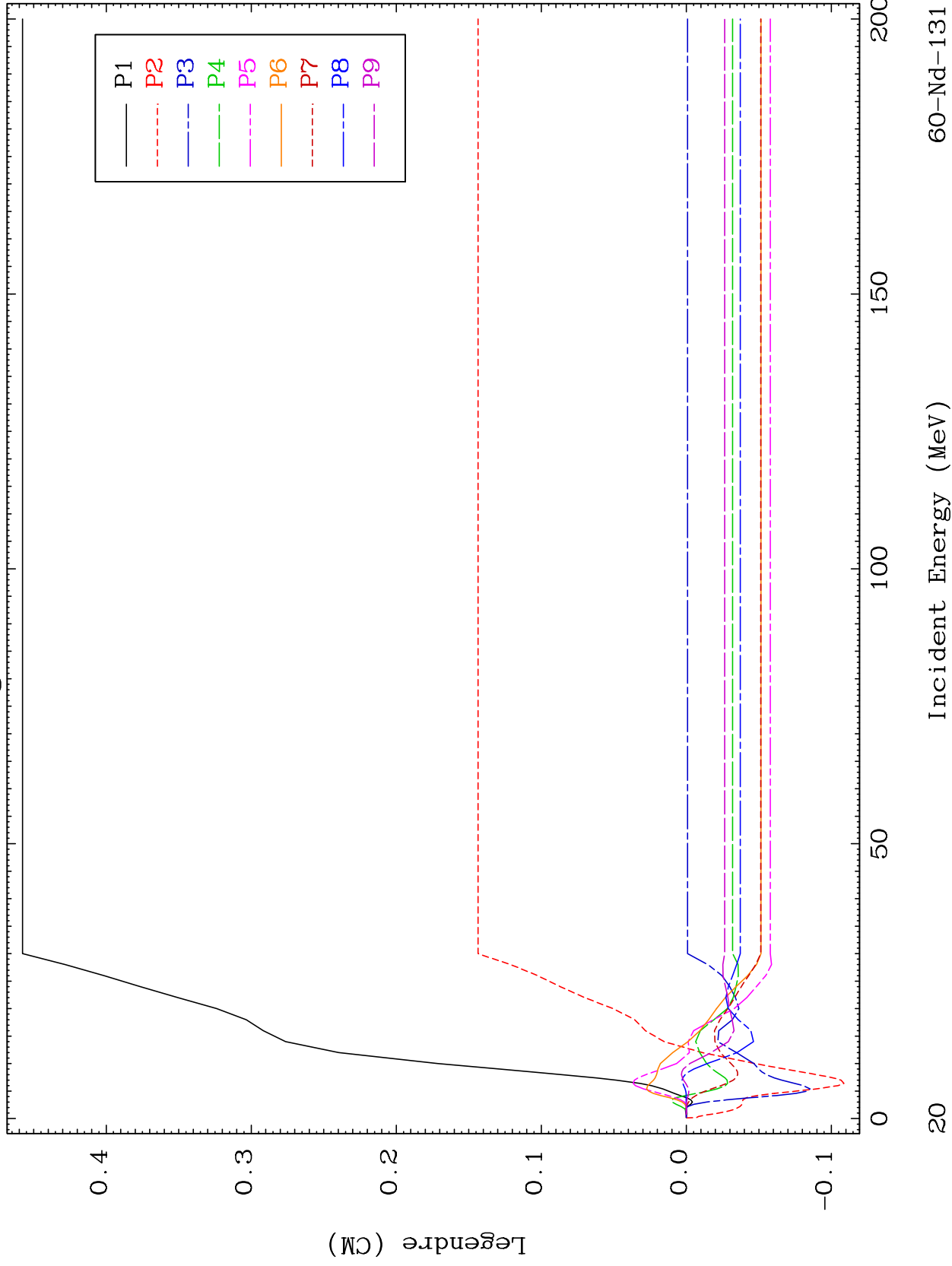
Incident Energy (MeV)

60-Nd-131

MAT 5992

113.9 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

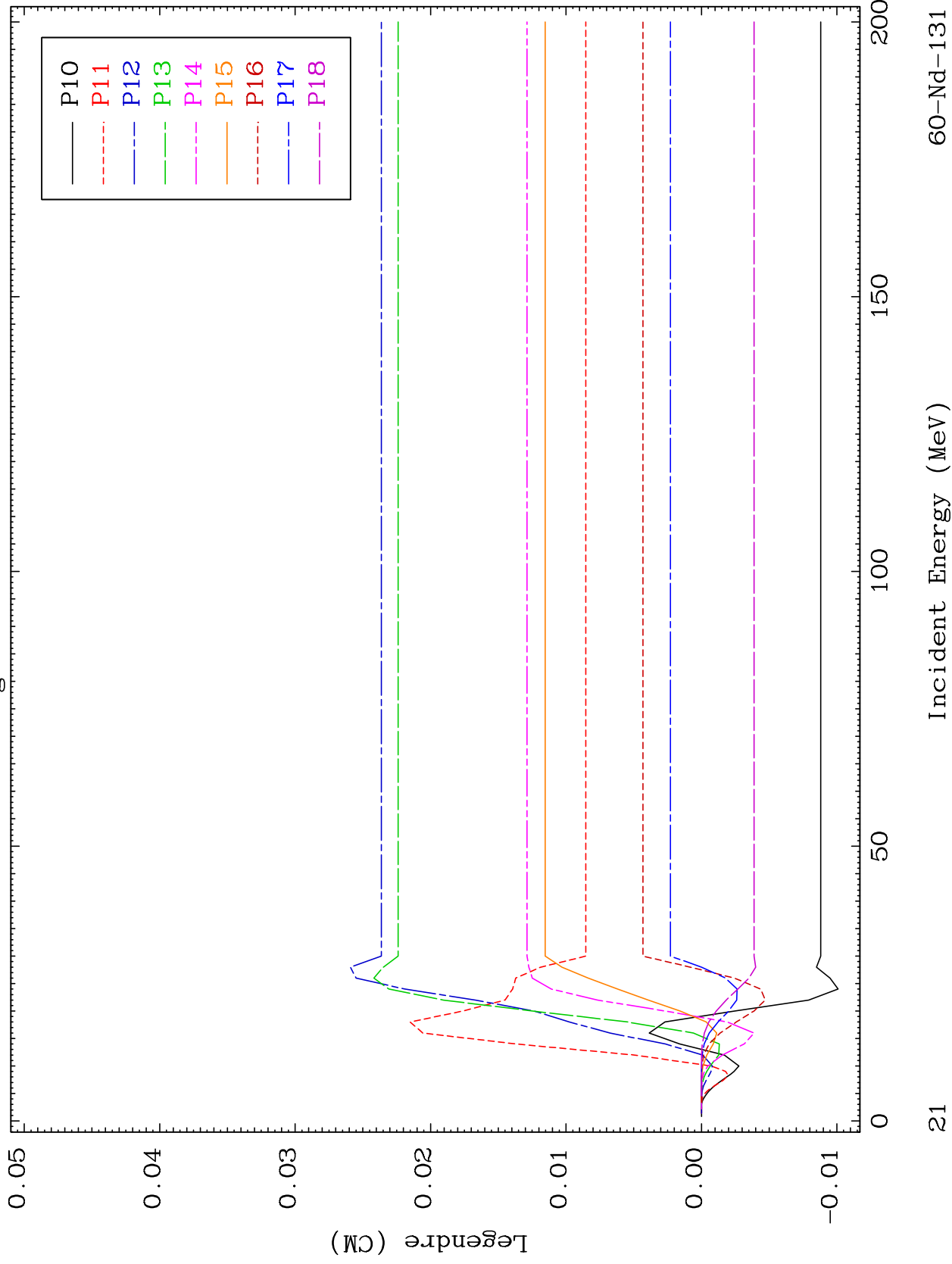
Incident Energy (MeV)

0

MAT 5992

113.9 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



21

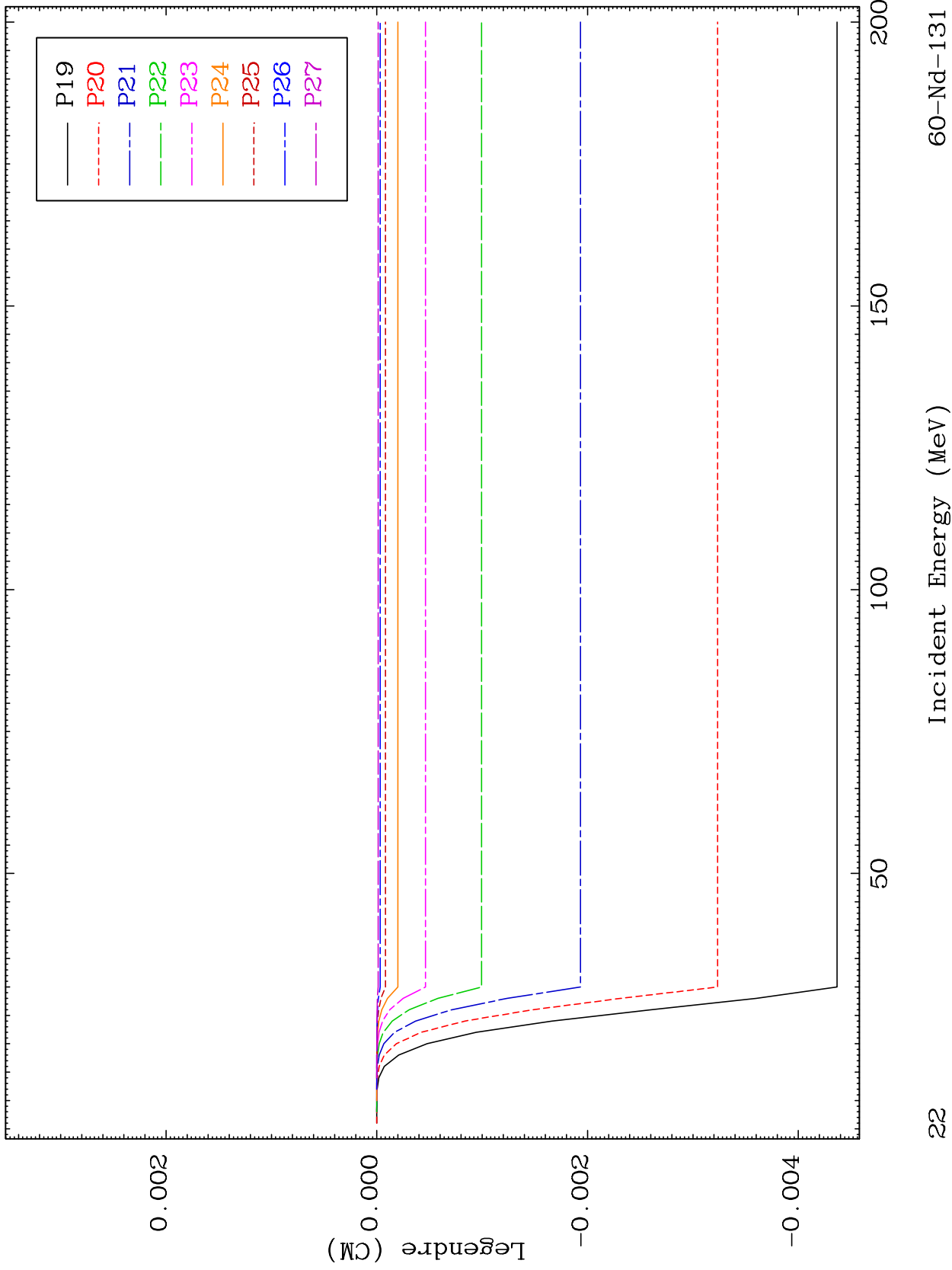
Incident Energy (MeV)

60-Nd-131

MAT 5992

113.9 keV (n,n') Level  
Legendre Coefficients

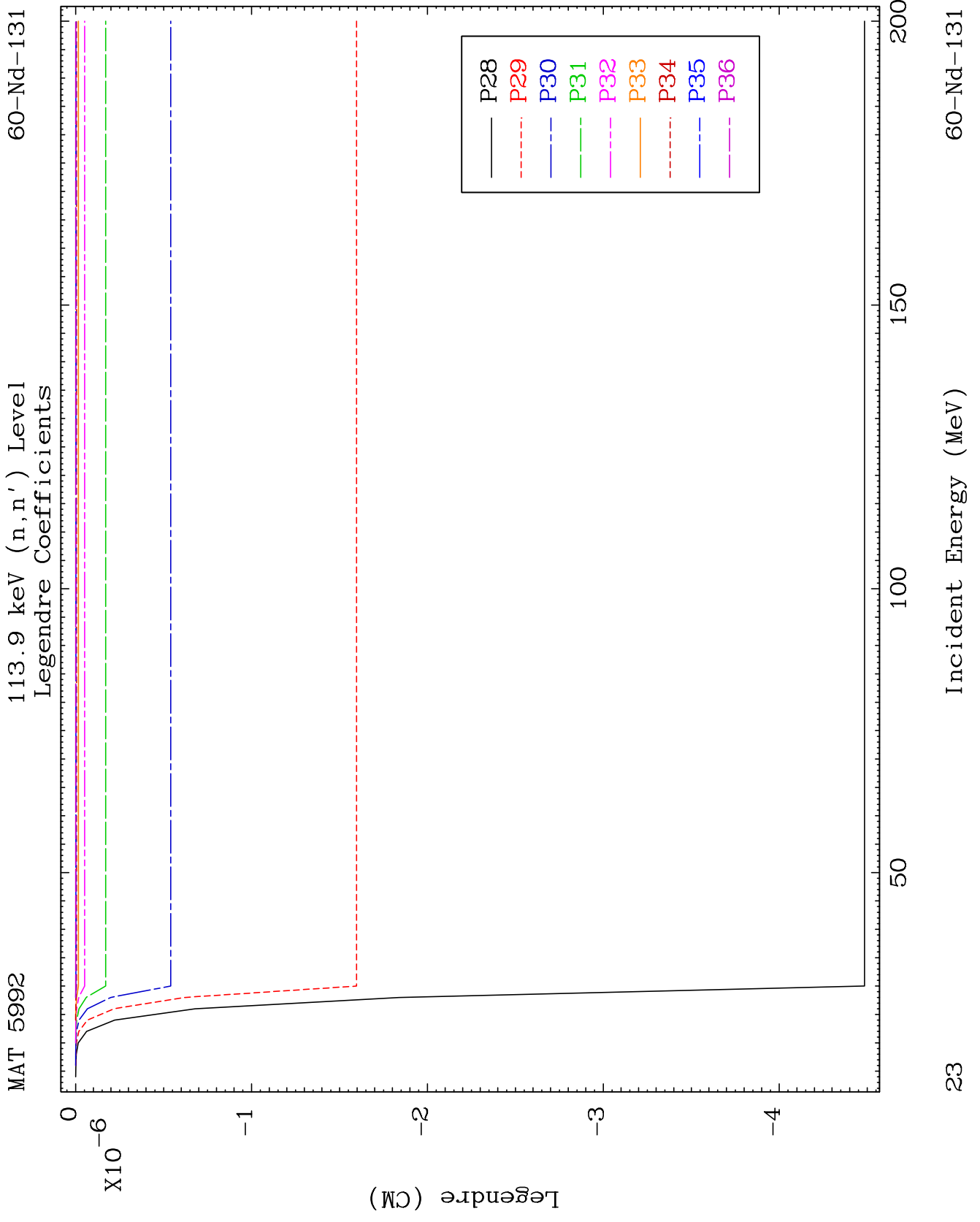
60-Nd-131



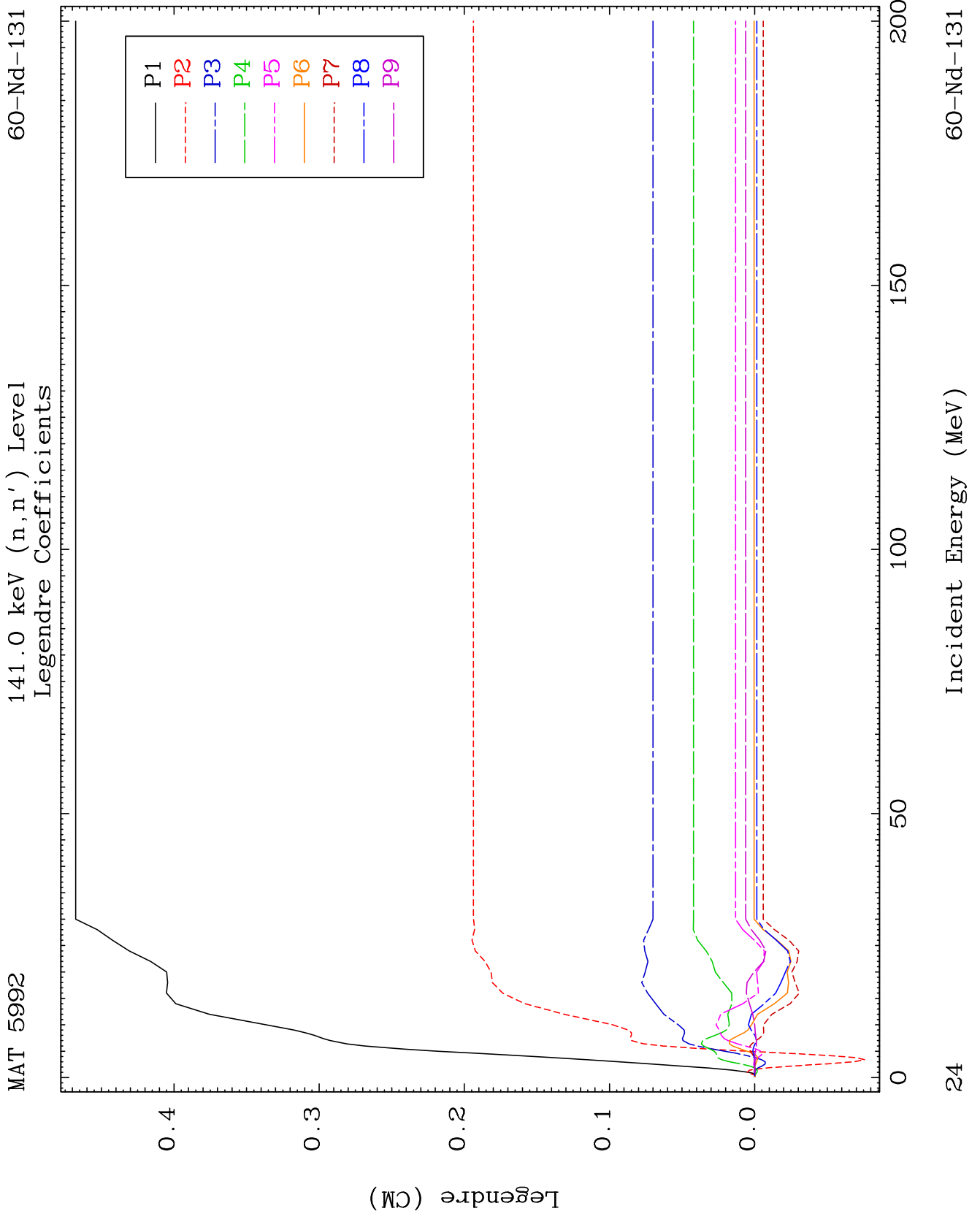
22

Incident Energy (MeV)

60-Nd-131



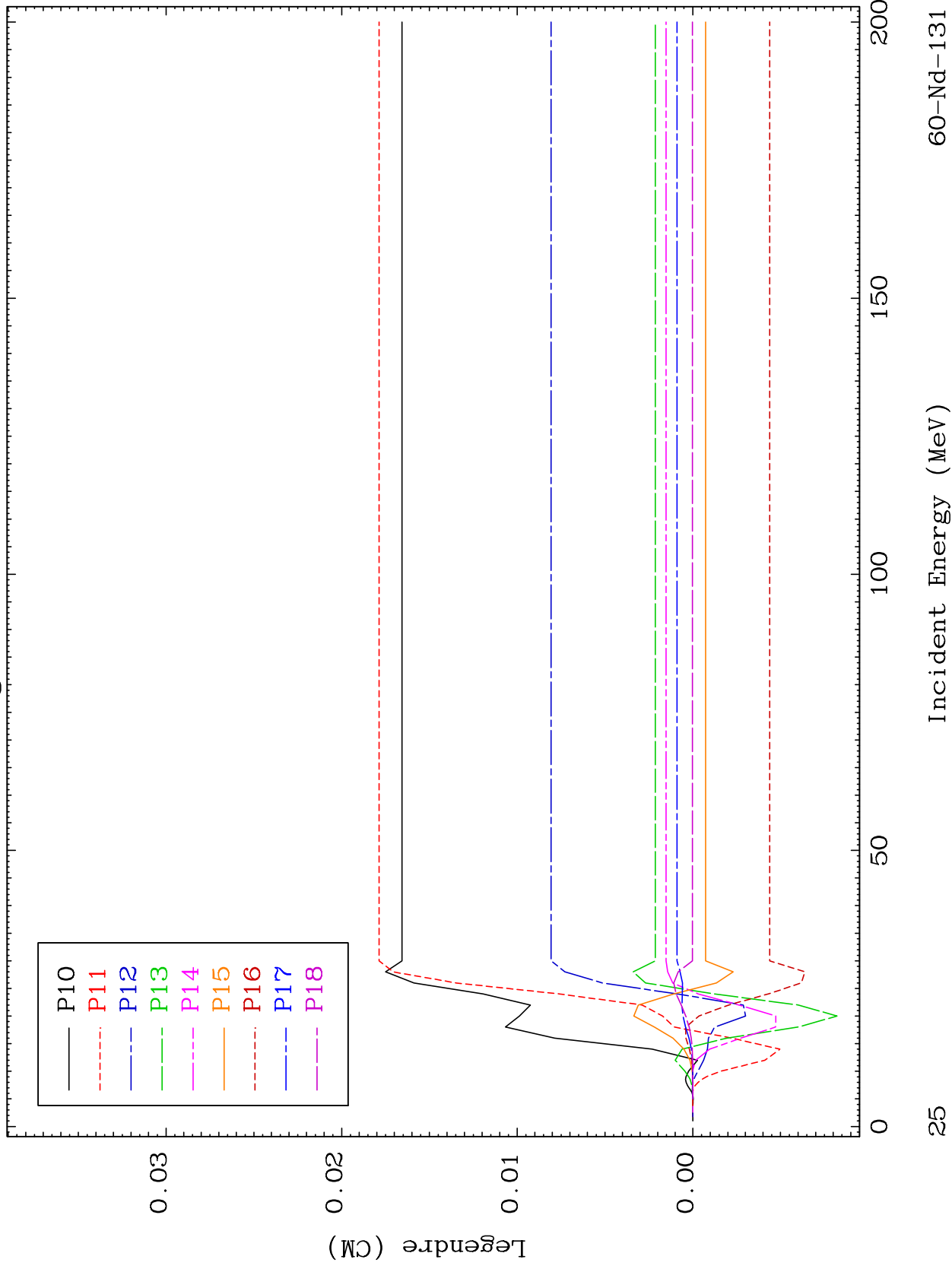




MAT 5992

141.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

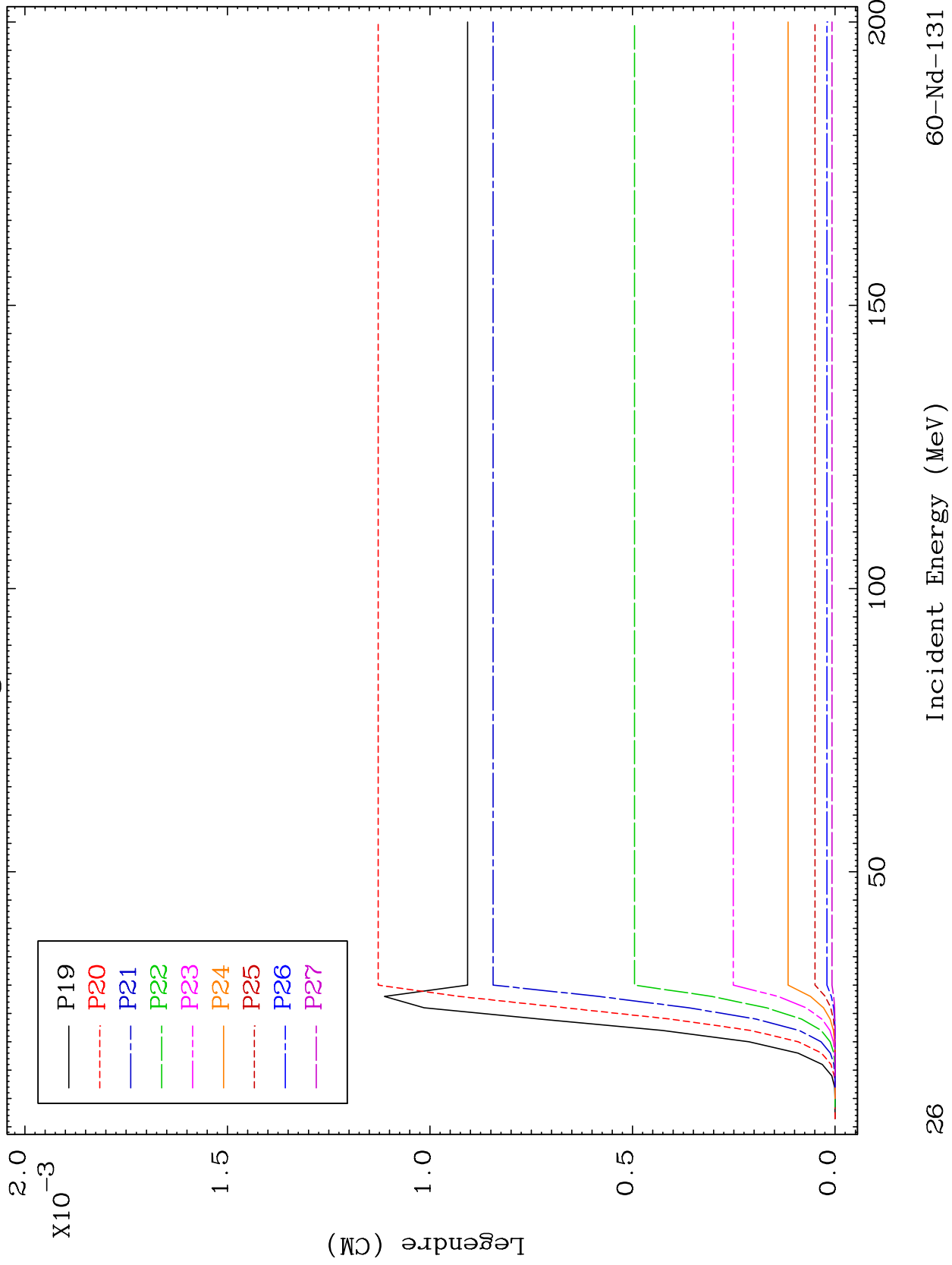
Incident Energy (MeV)

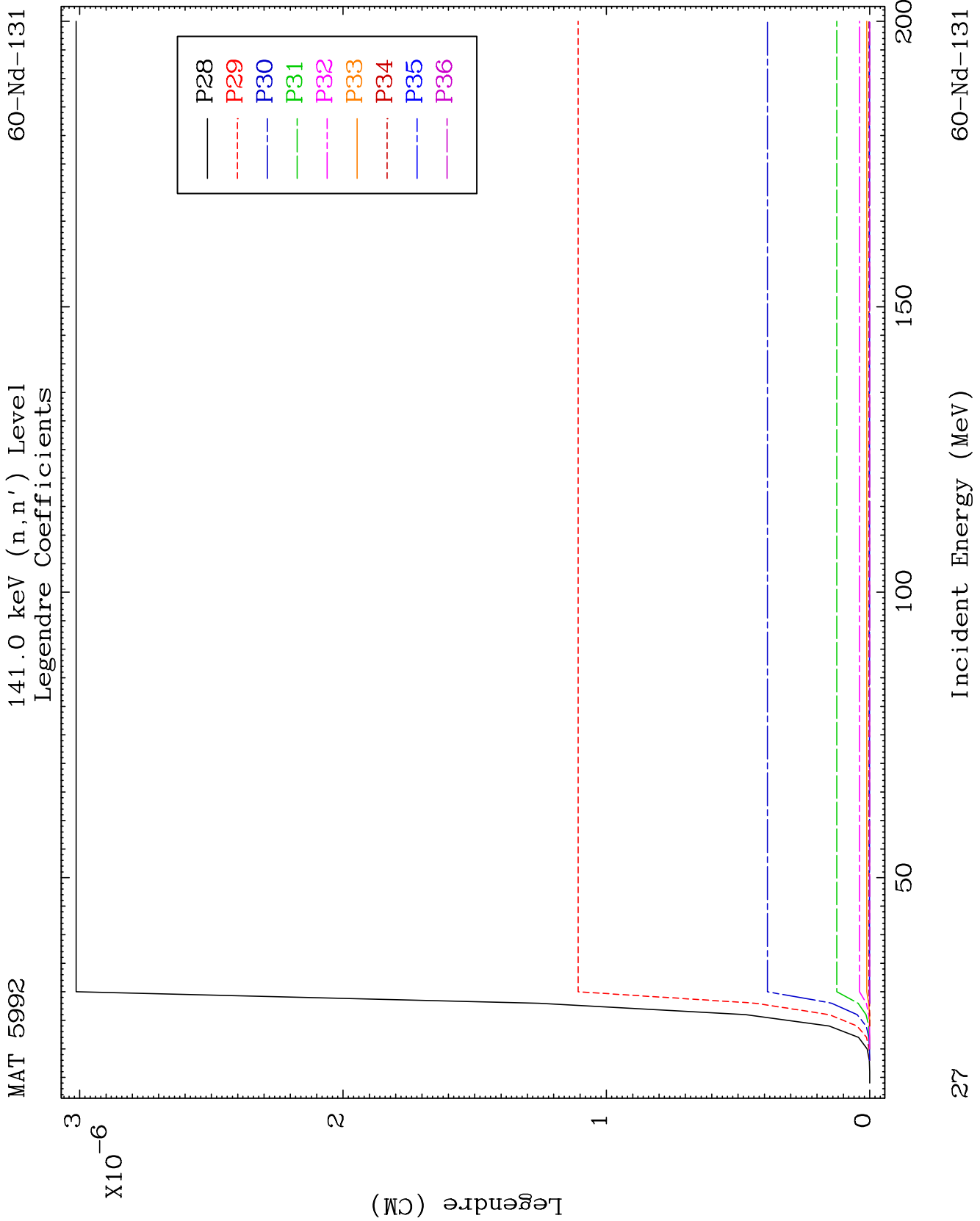
25

MAT 5992

141.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-131

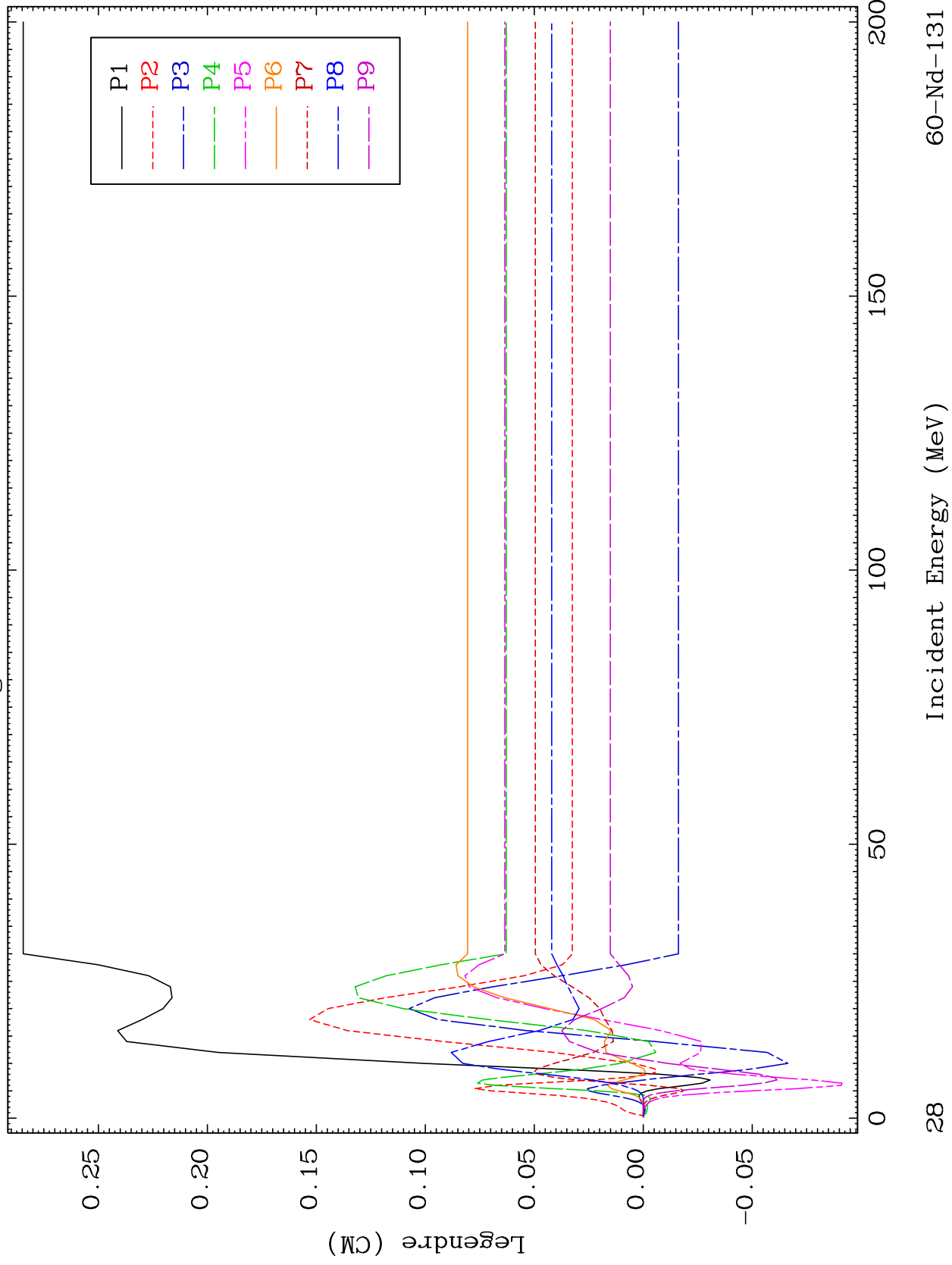




MAT 5992

146.0 keV (n,n') Level  
Legendre Coefficients

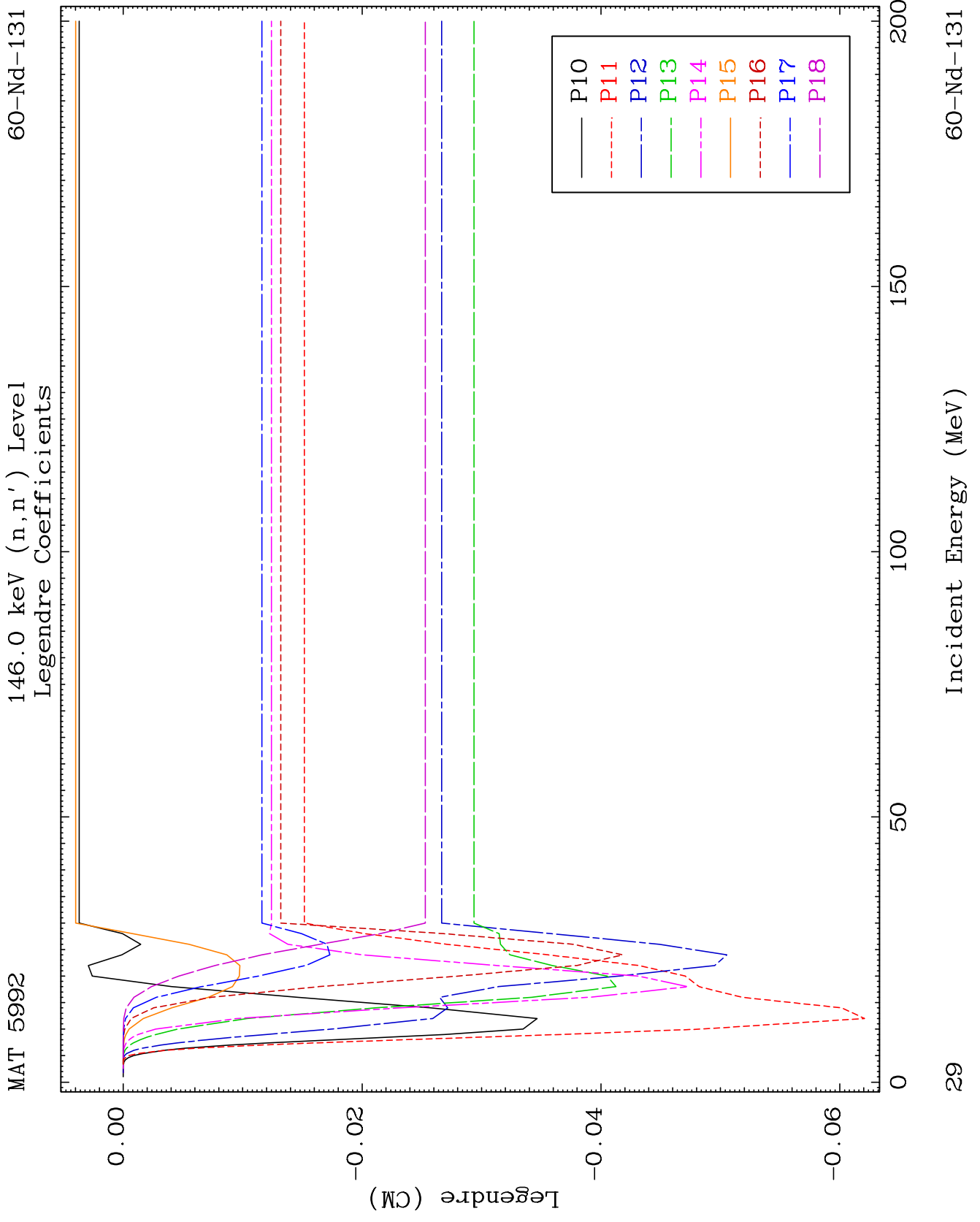
60-Nd-131

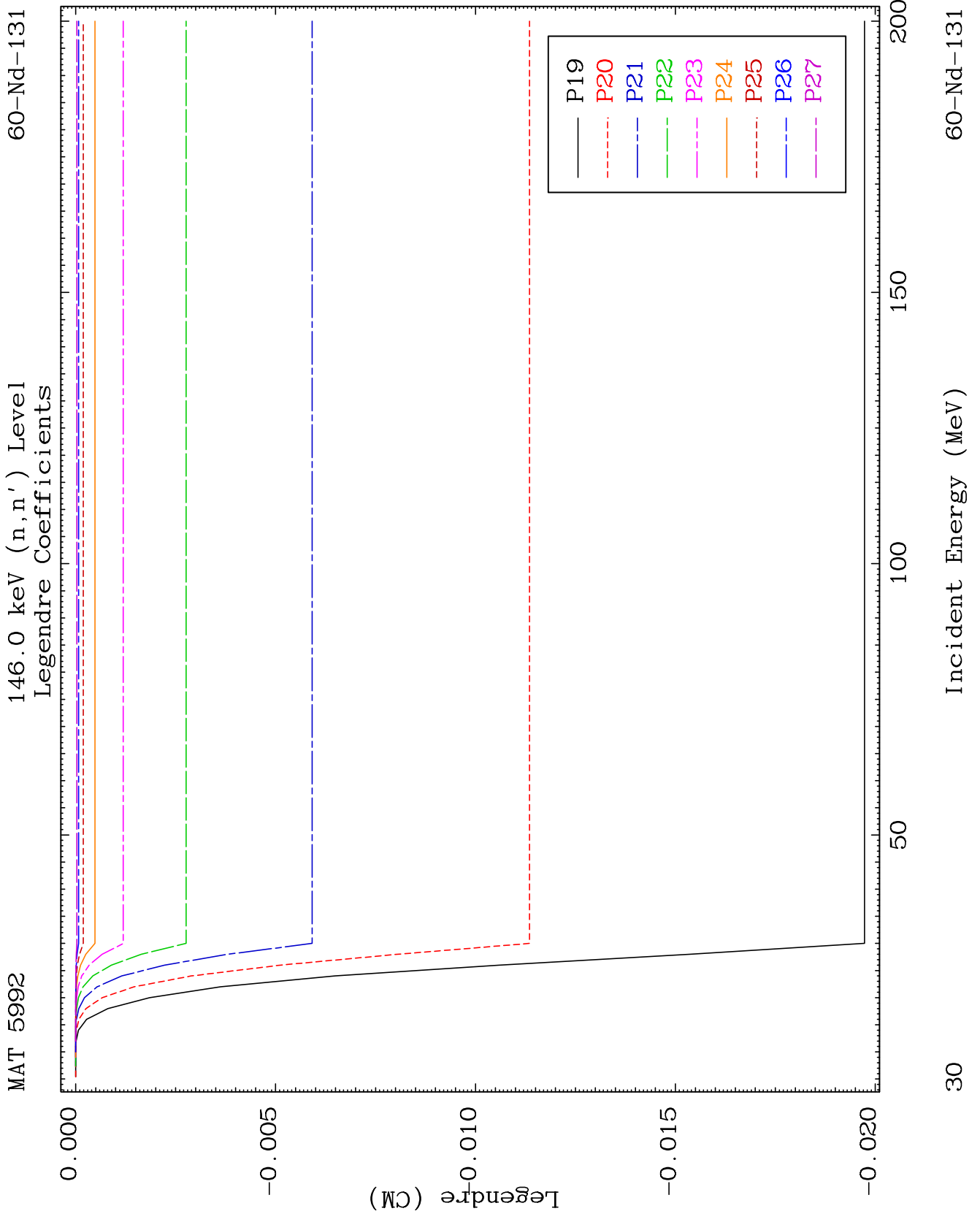


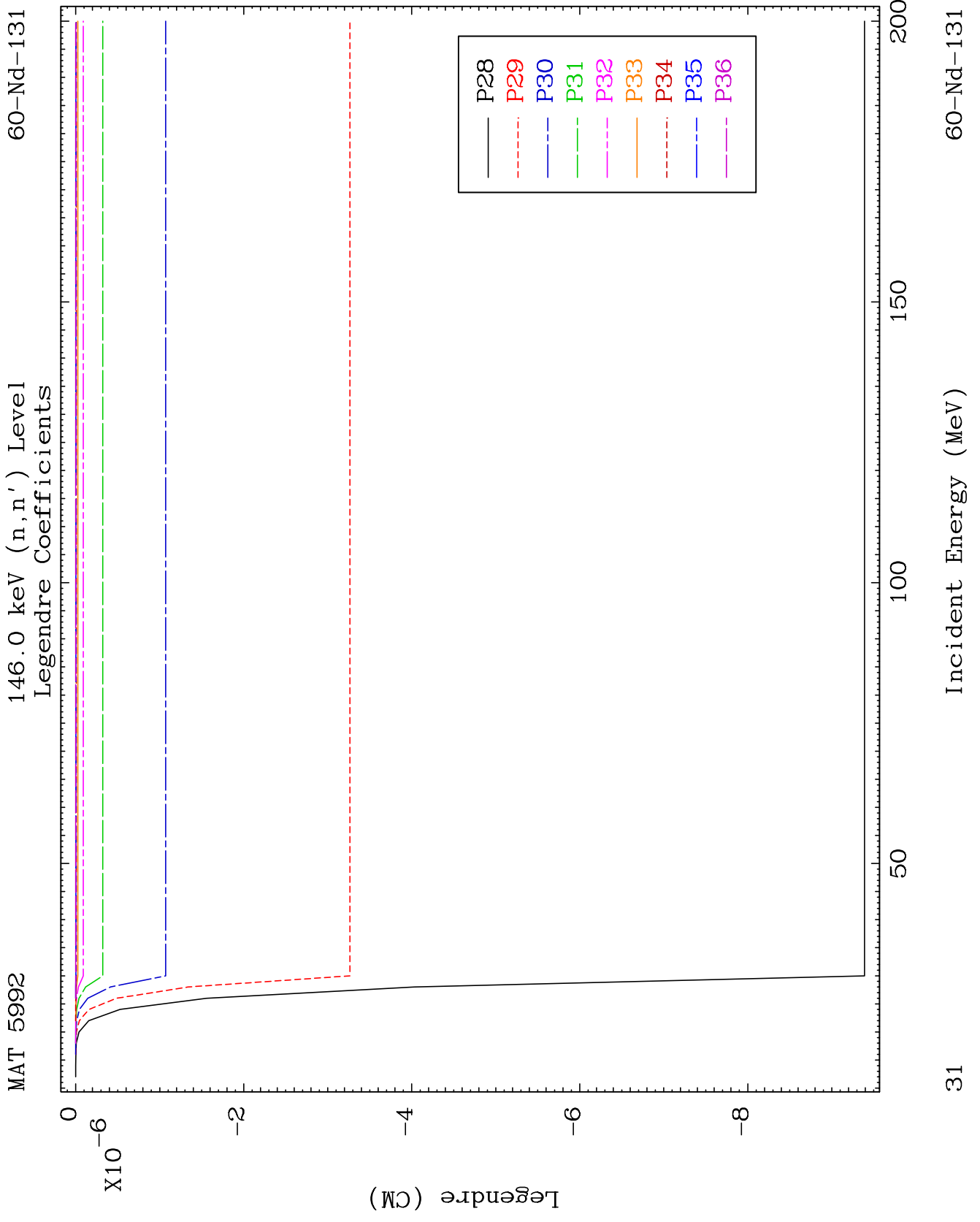
60-Nd-131

Incident Energy (MeV)

28





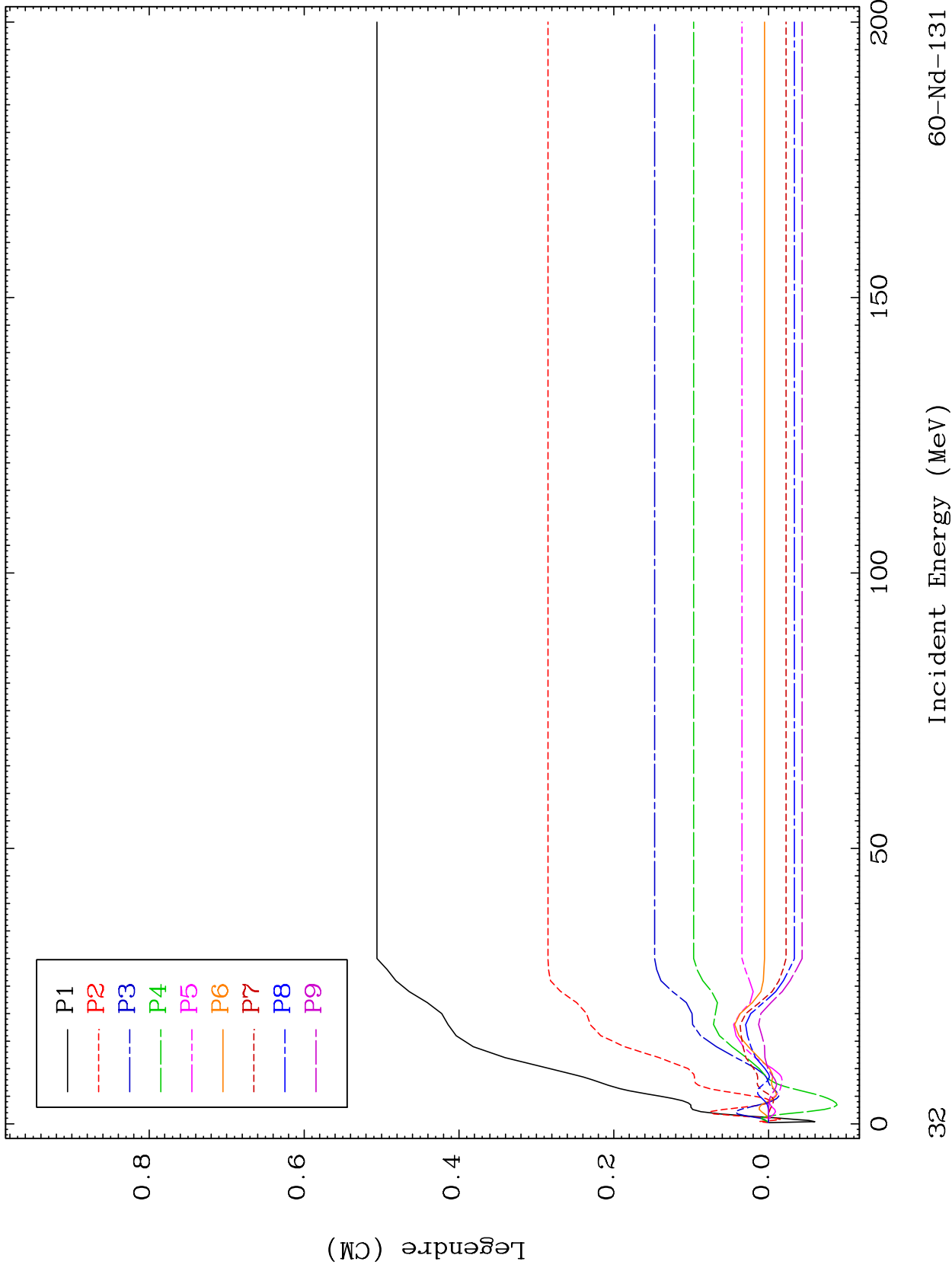




MAT 5992

191.4 keV (n,n') Level  
Legendre Coefficients

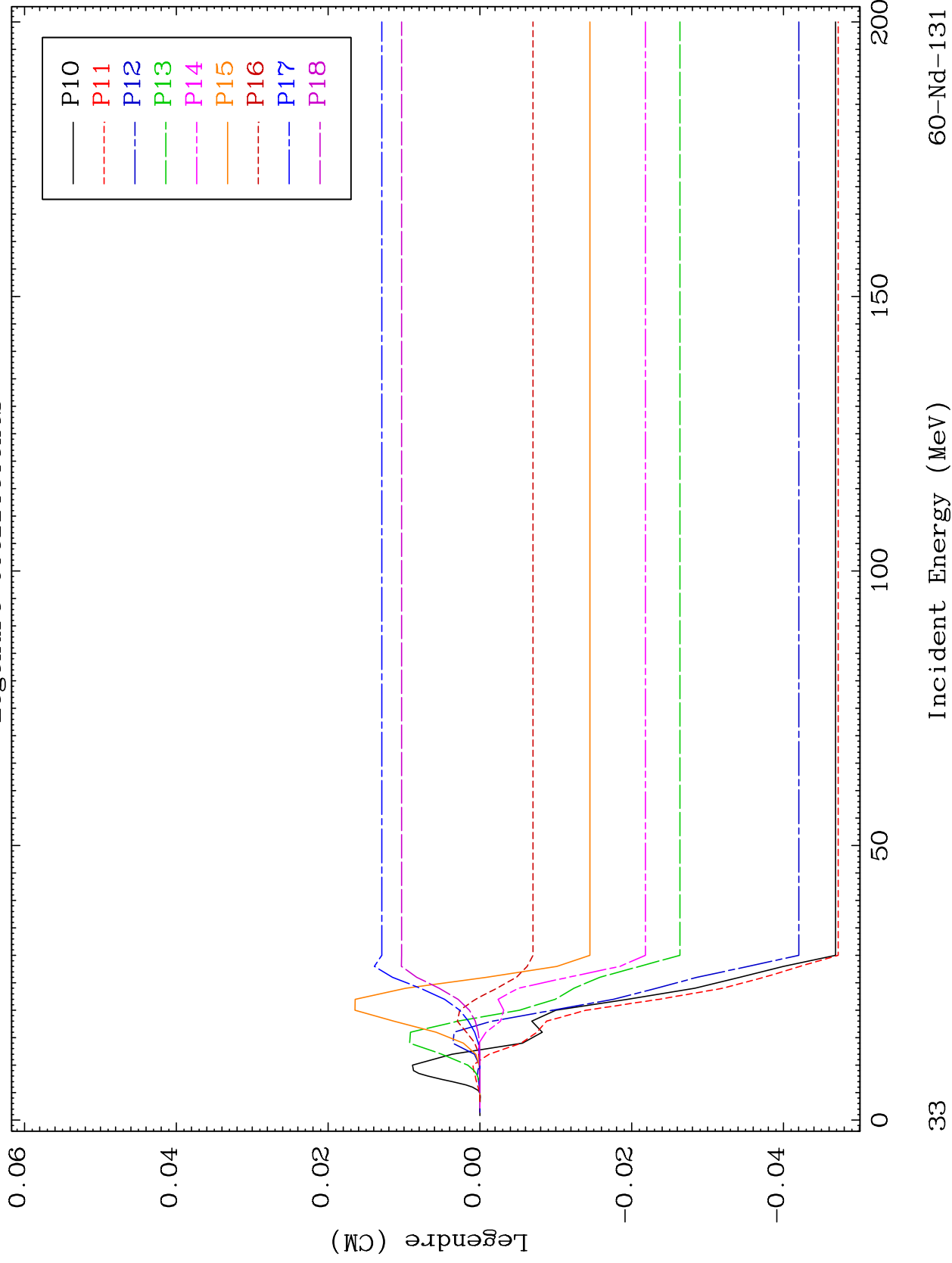
60-Nd-131



60-Nd-131

Incident Energy (MeV)

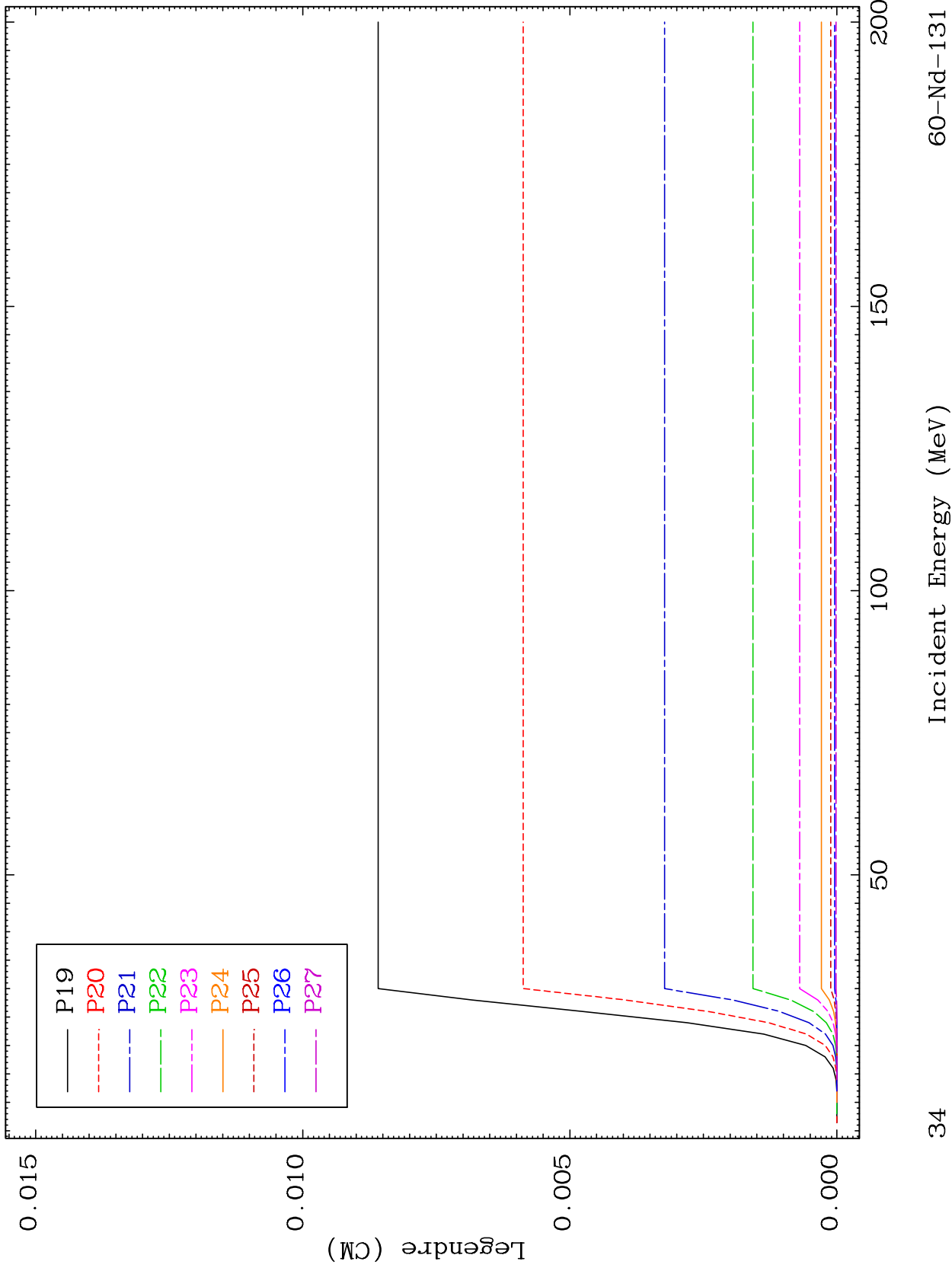
32



MAT 5992

191.4 keV (n,n') Level  
Legendre Coefficients

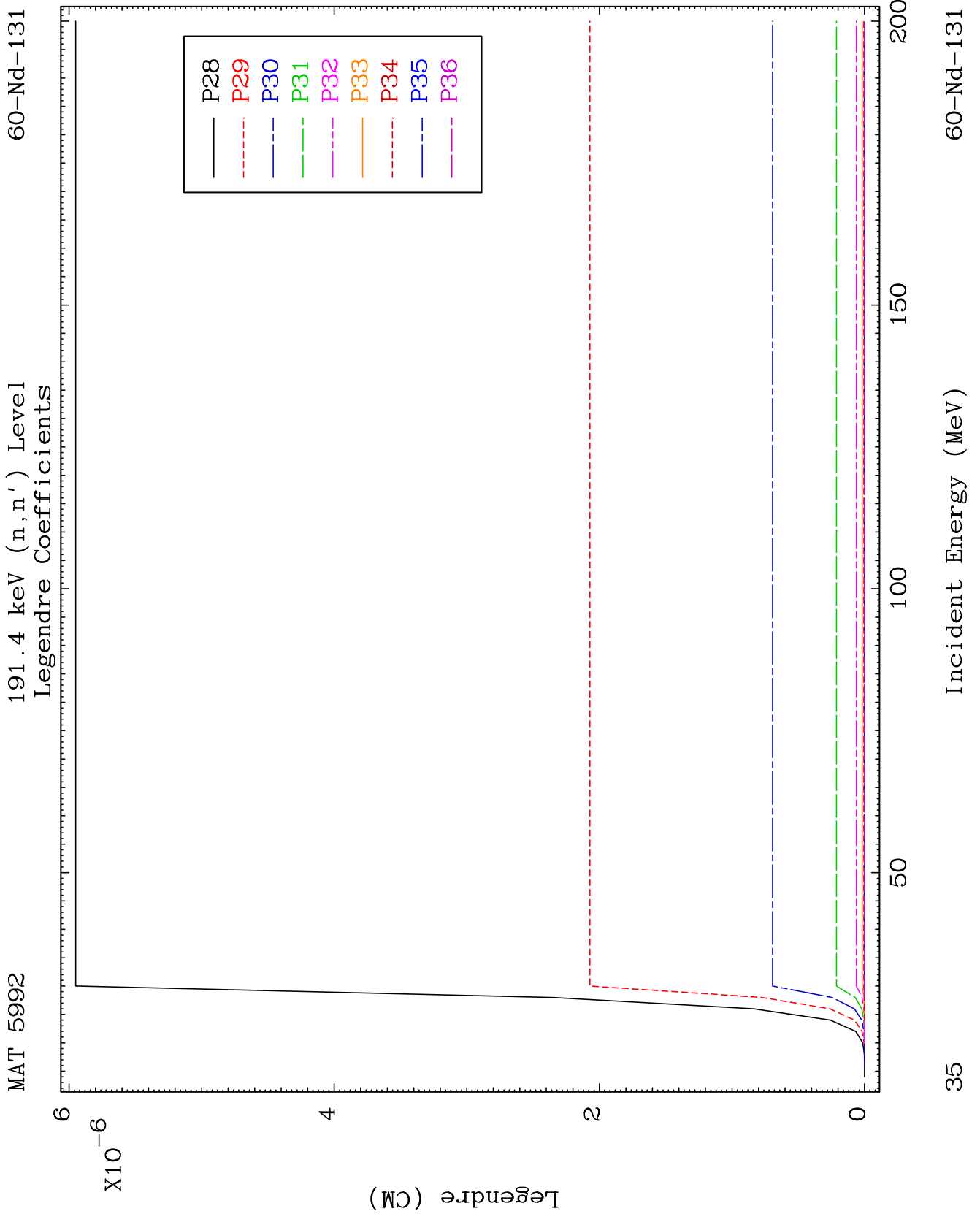
60-Nd-131



34

Incident Energy (MeV)

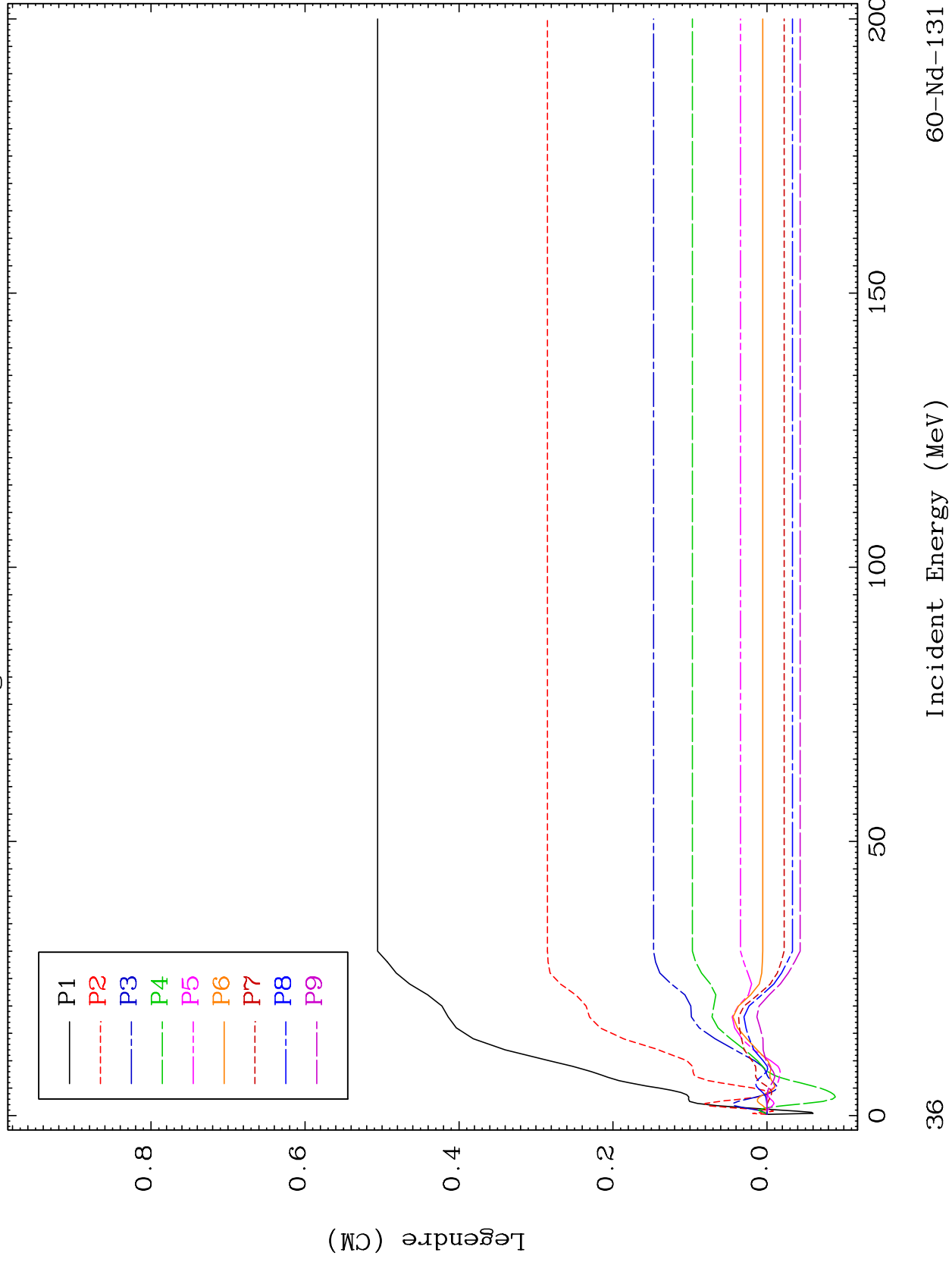
60-Nd-131



MAT 5992

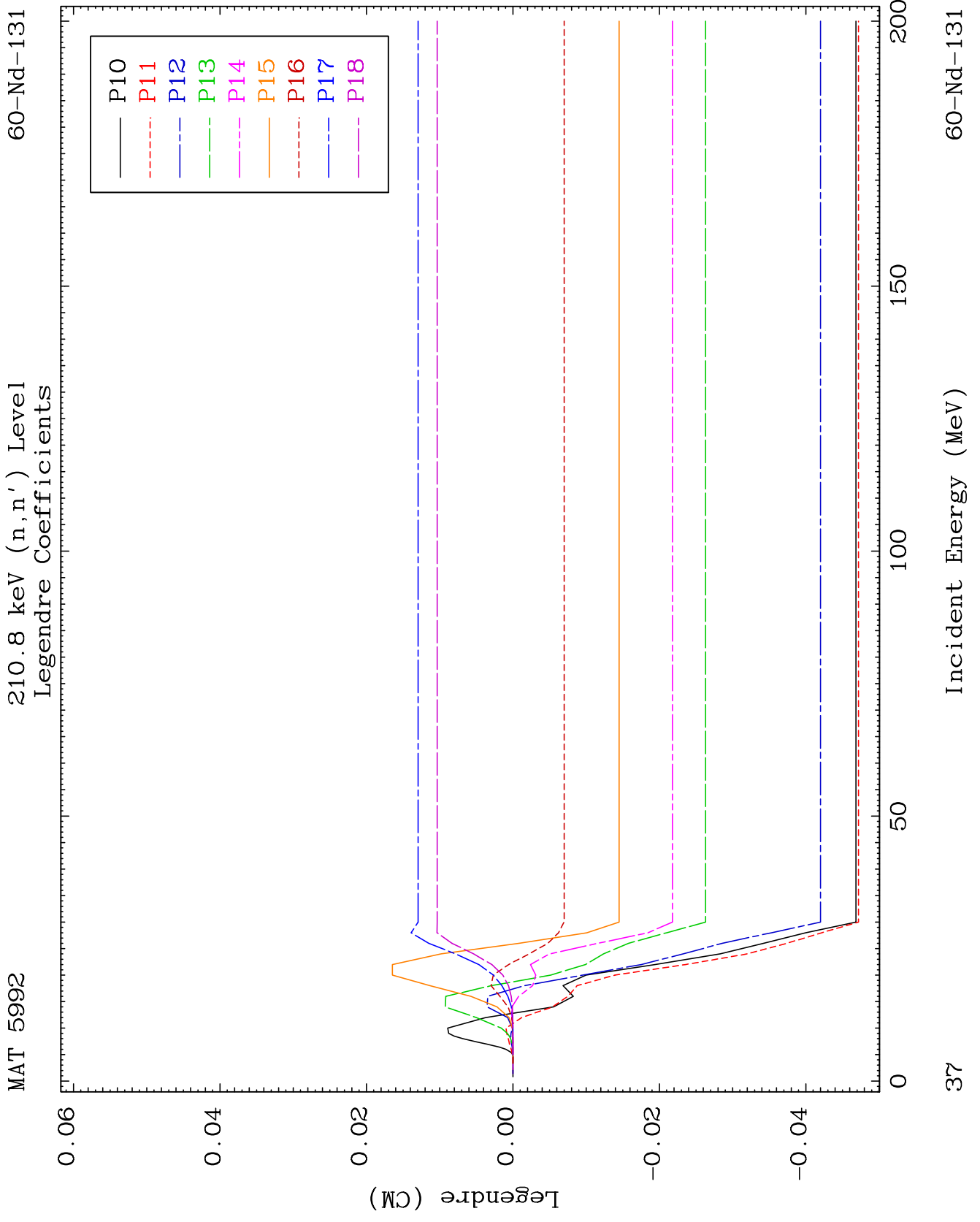
210.8 keV (n,n') Level  
Legendre Coefficients

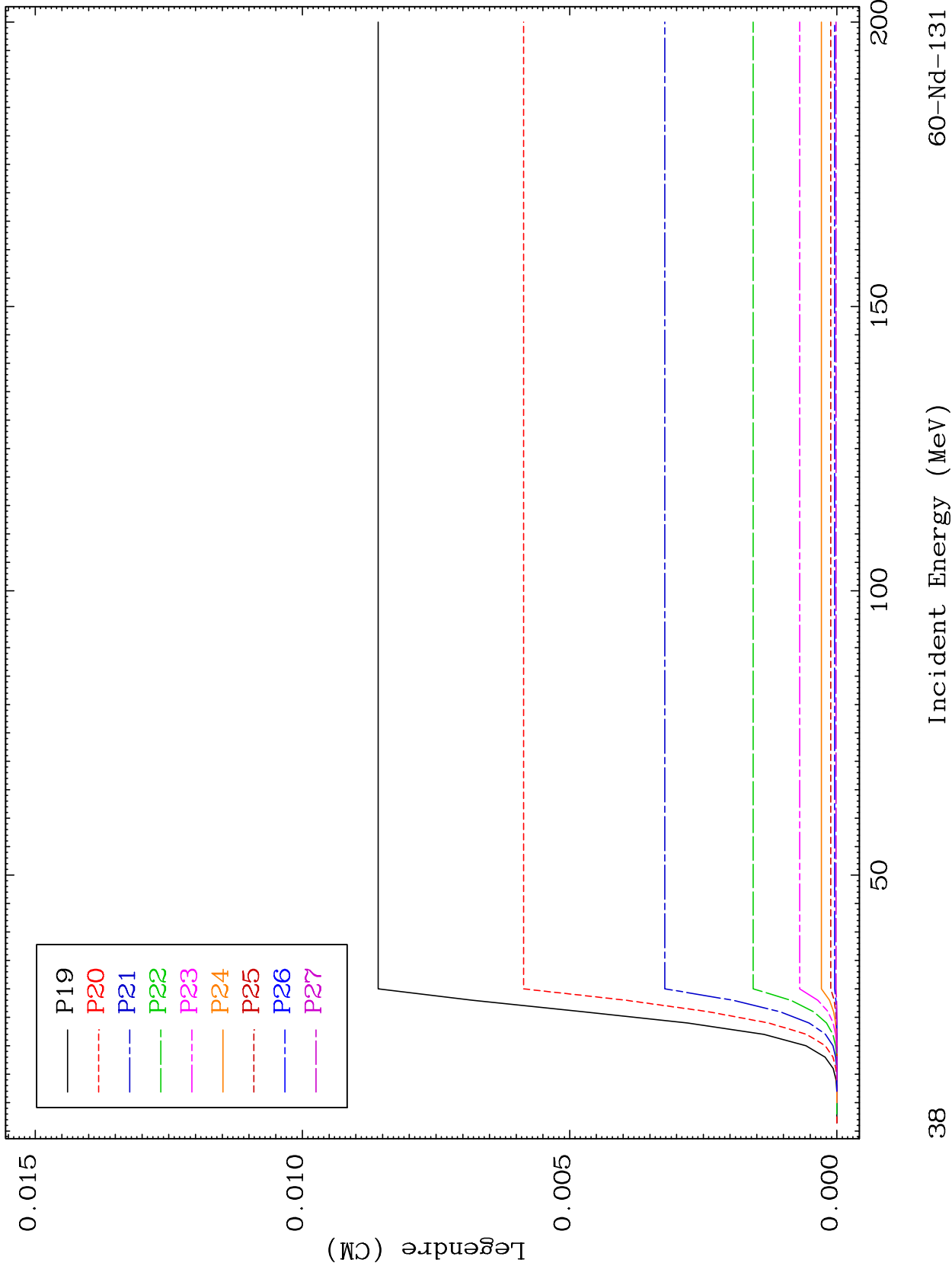
60-Nd-131

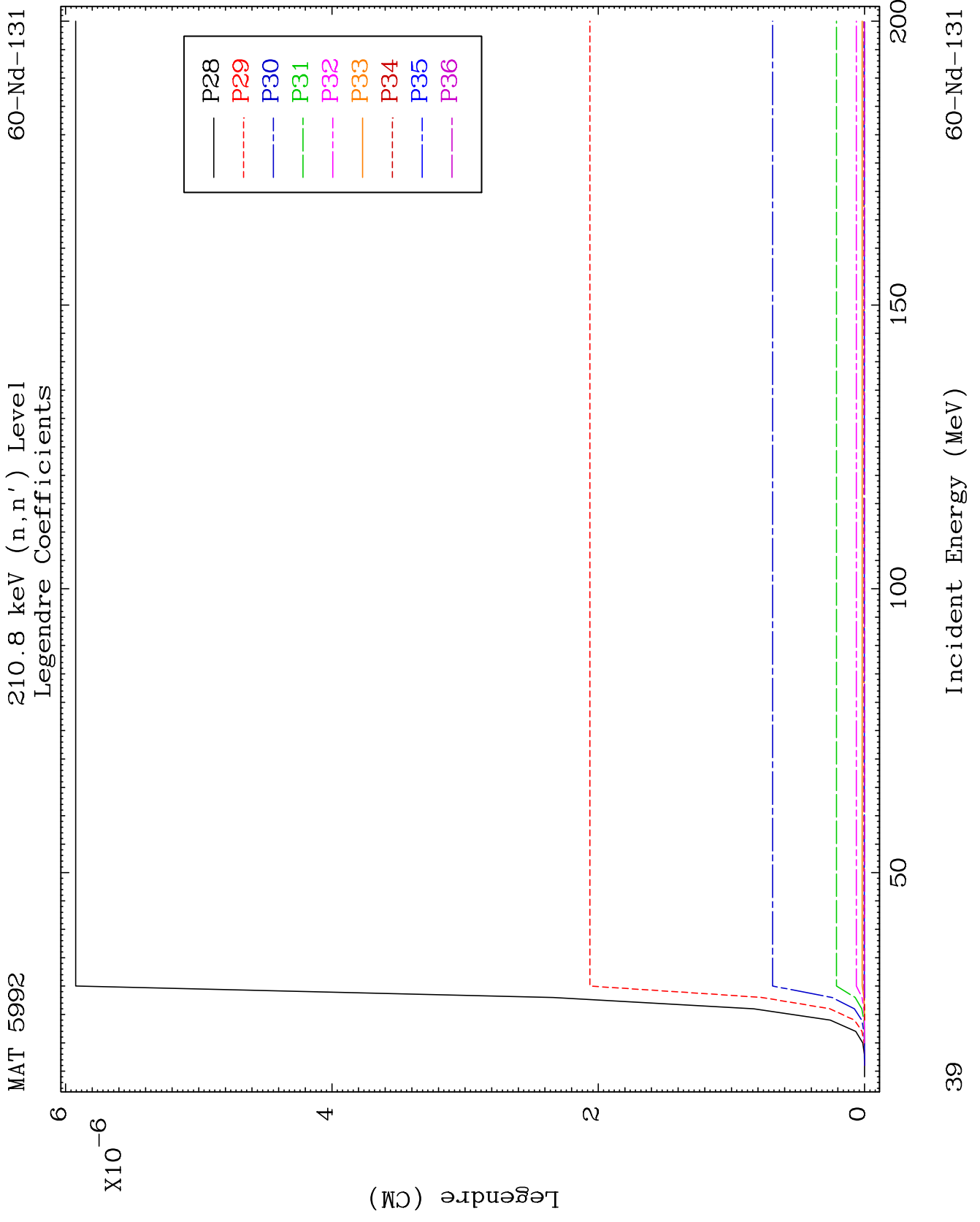


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60-Nd-131





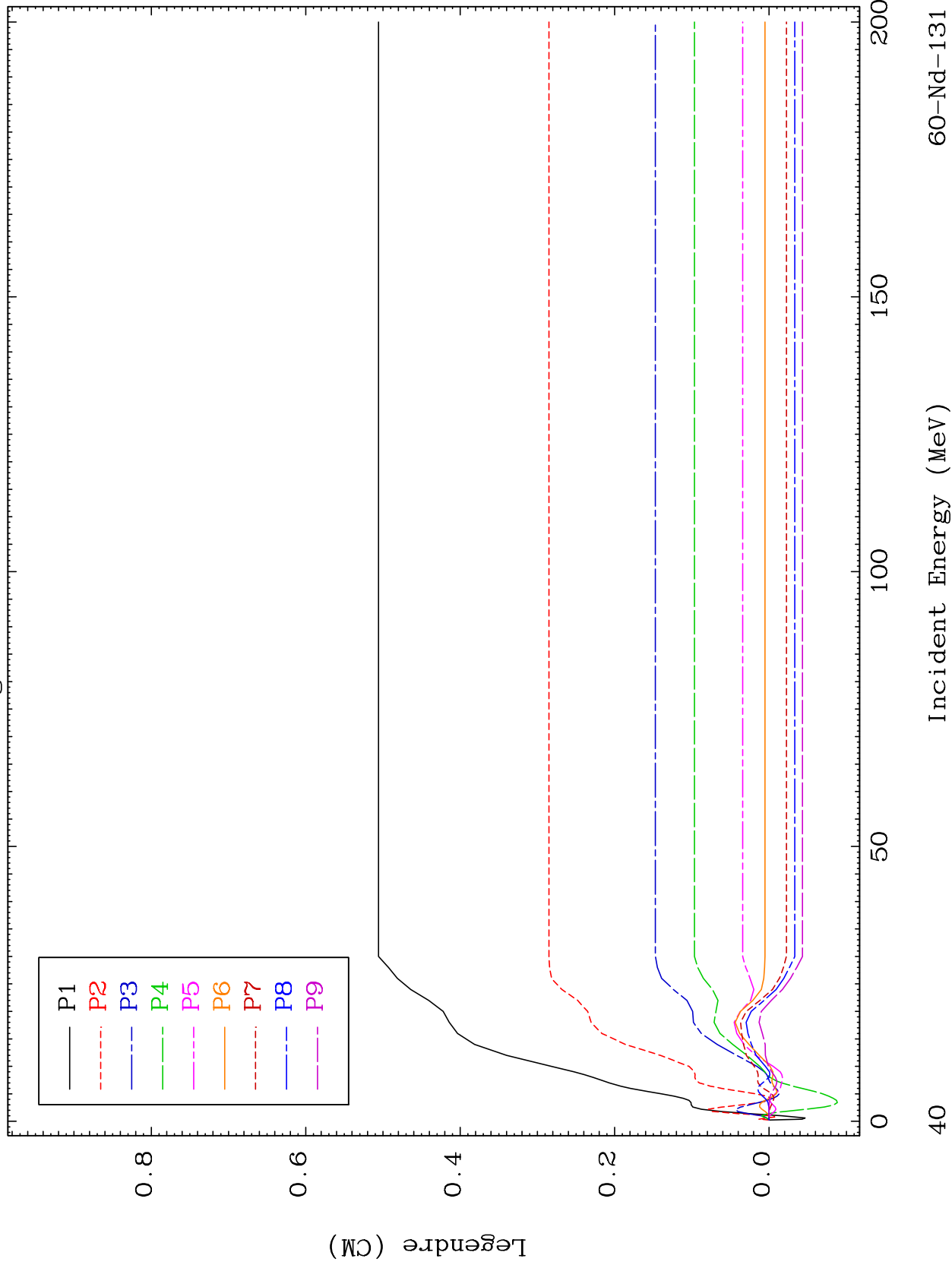




MAT 5992

225.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

Incident Energy (MeV)

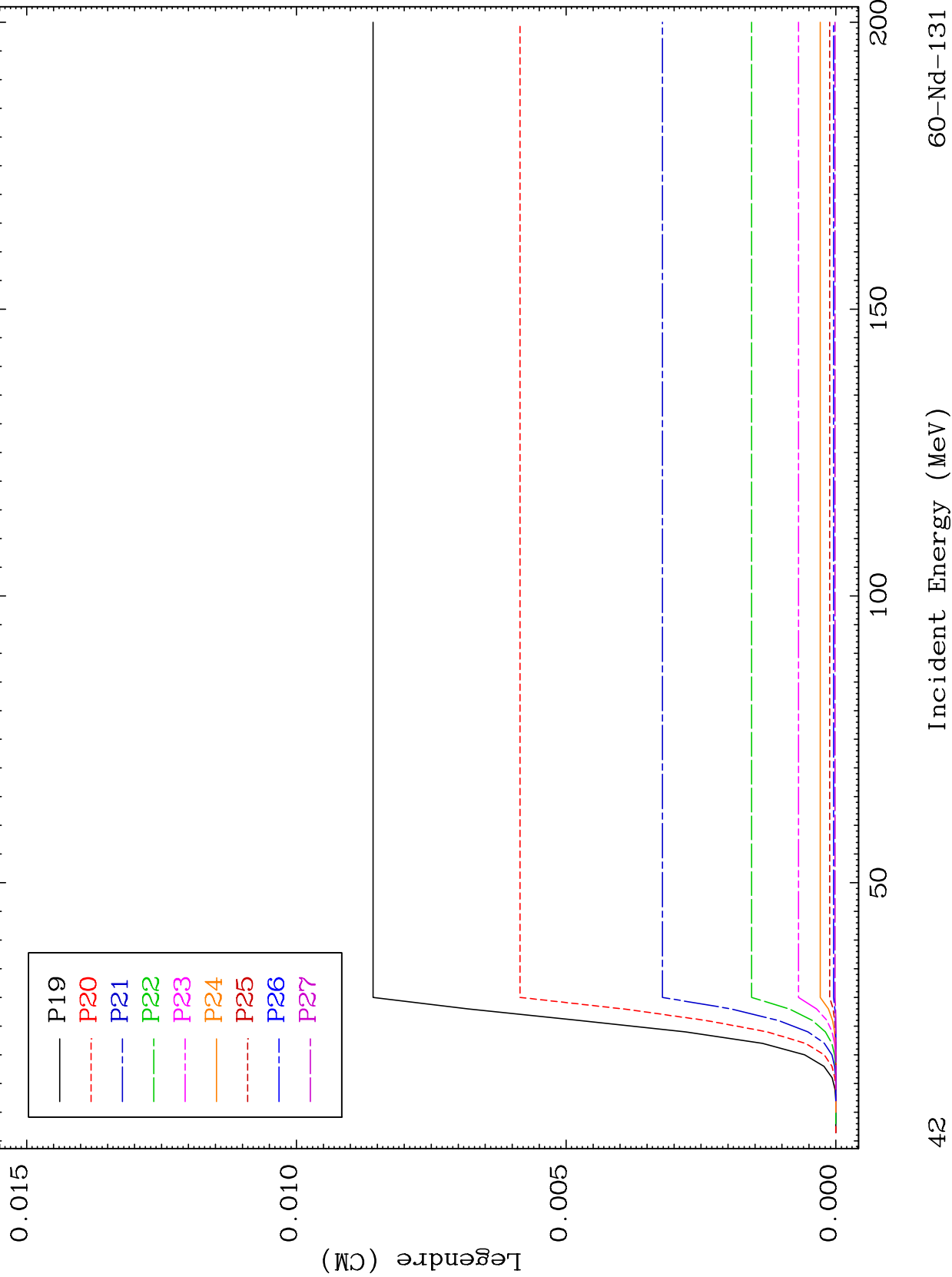
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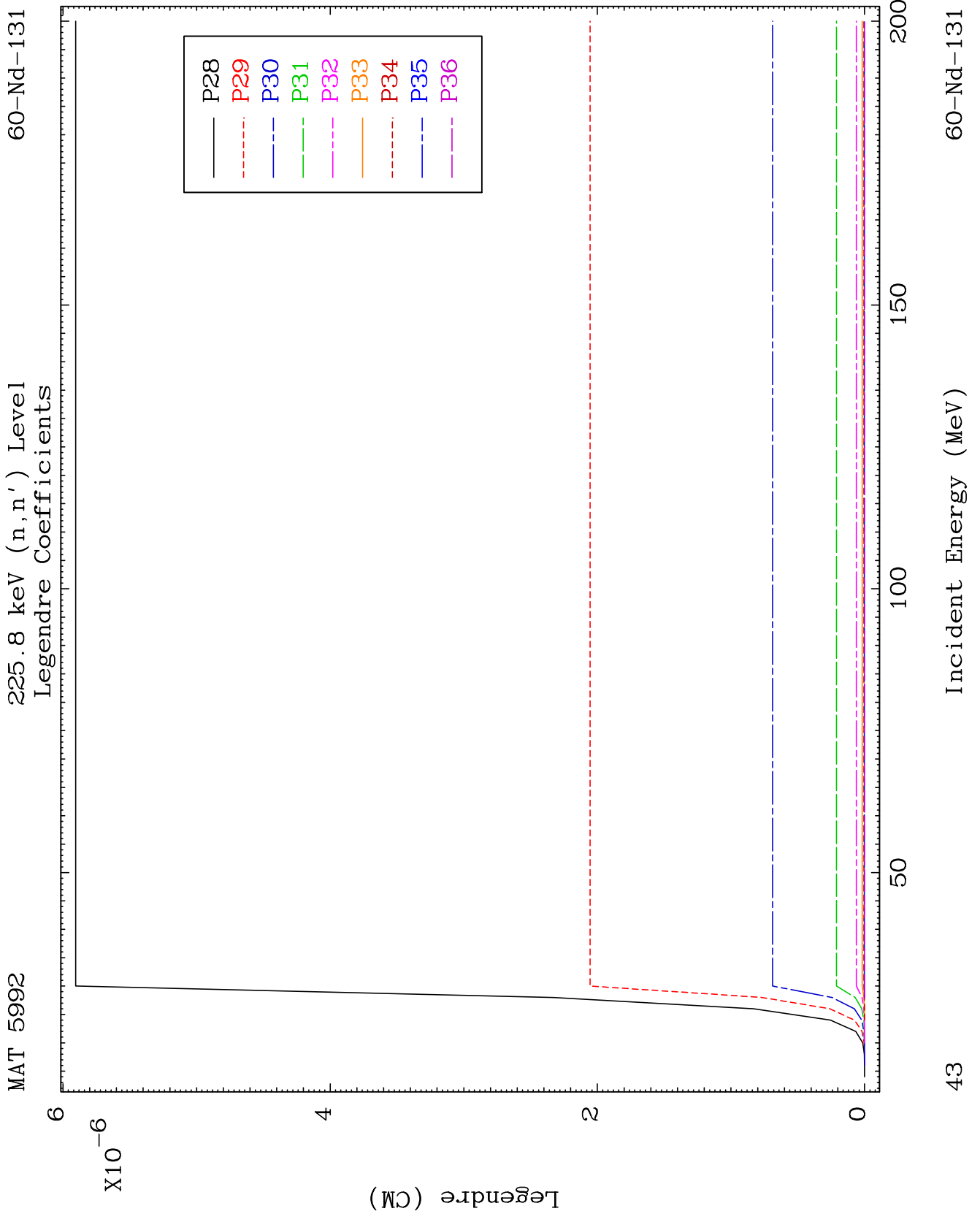


MAT 5992

225.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-131

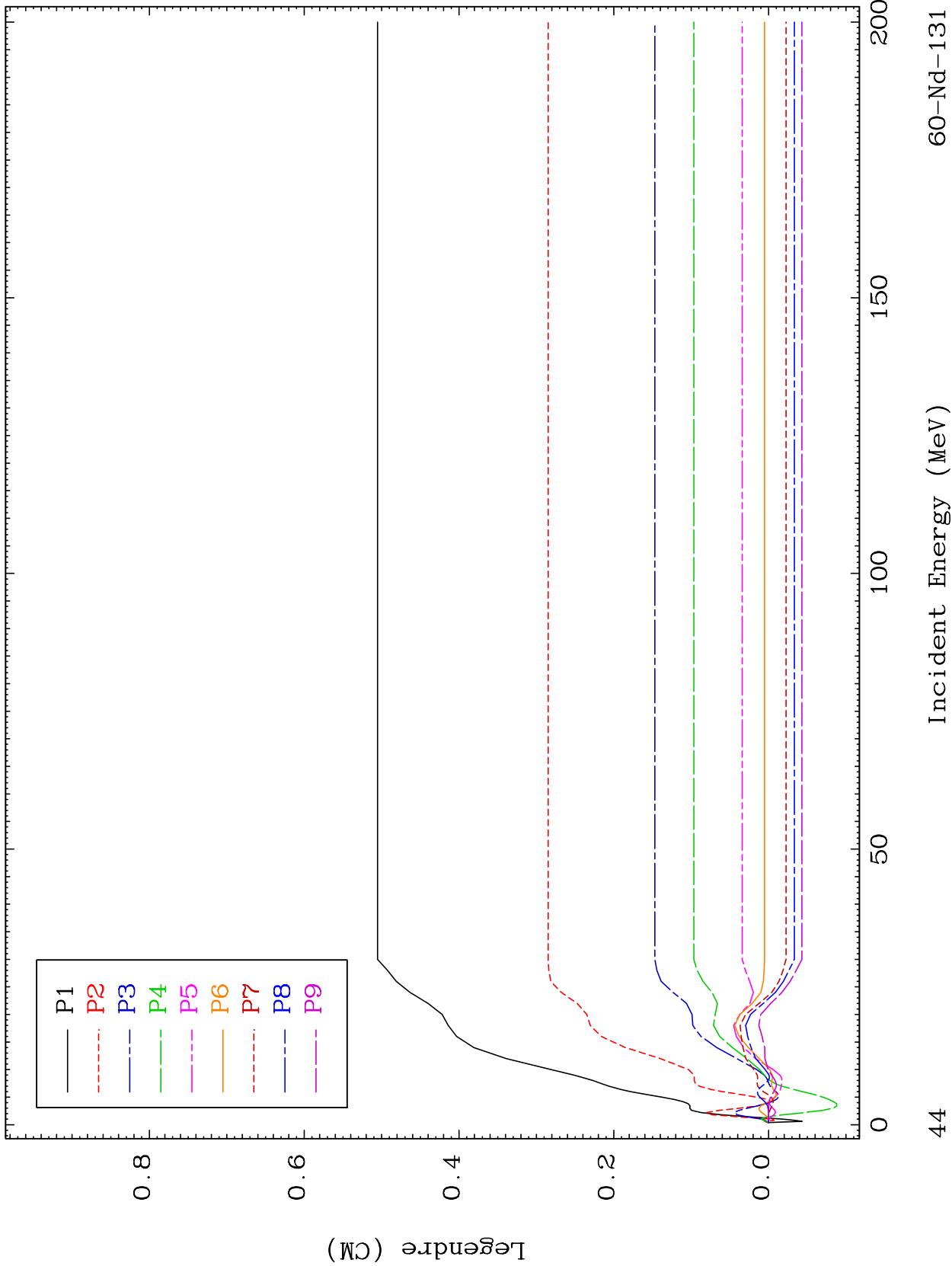




MAT 5992

300.0 keV (n,n') Level  
Legendre Coefficients

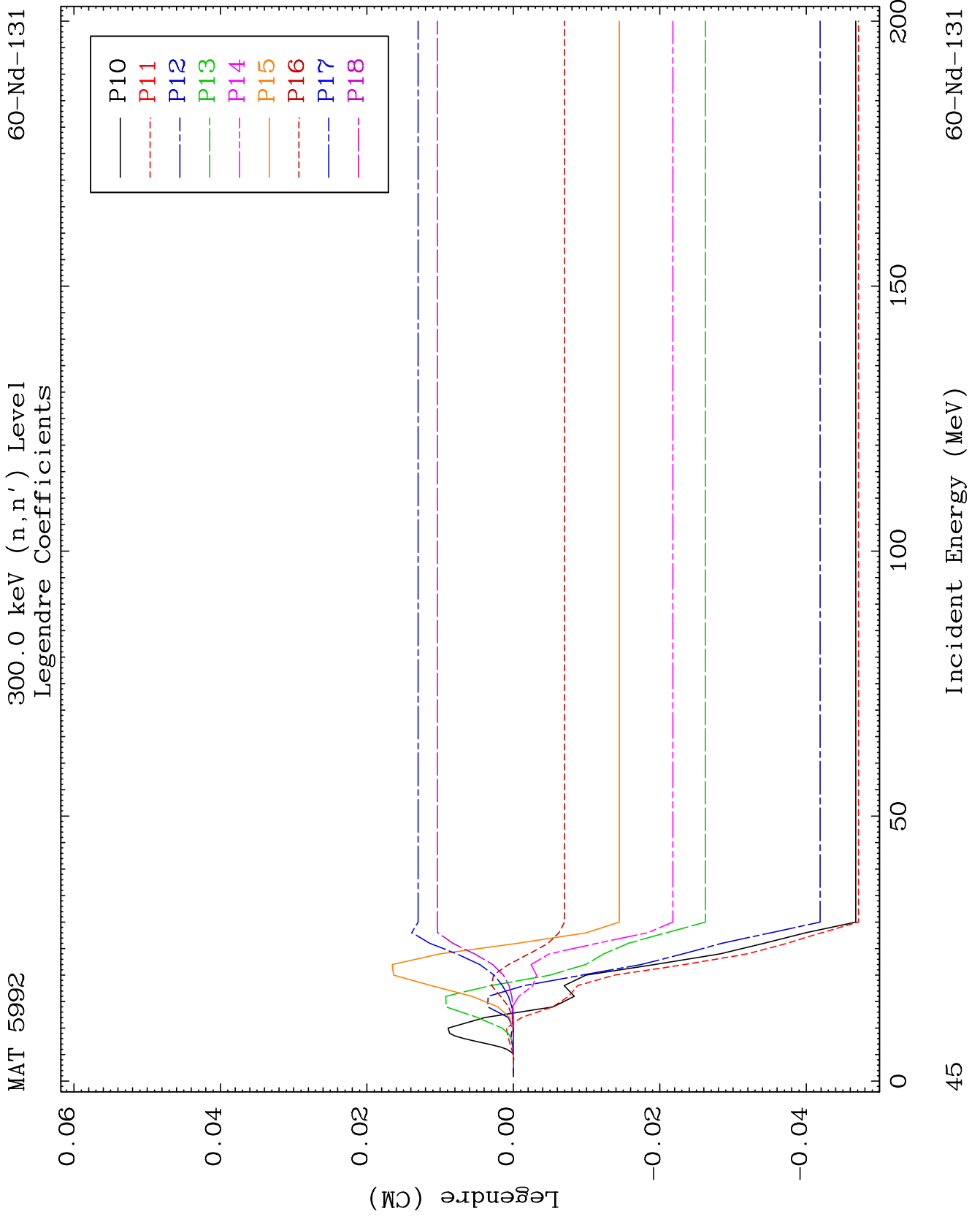
60-Nd-131



60-Nd-131

Incident Energy (MeV)

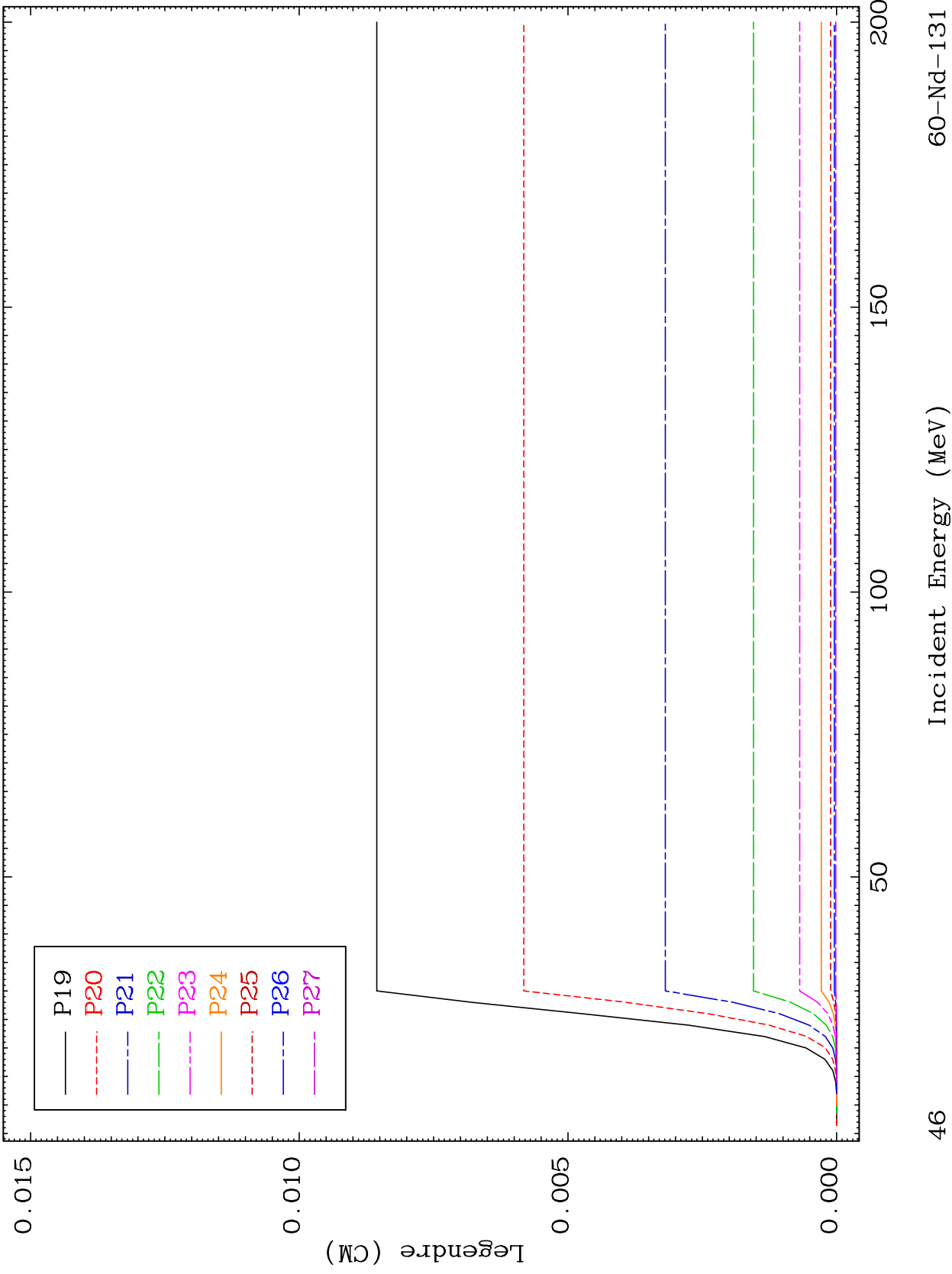
44



MAT 5992

300.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

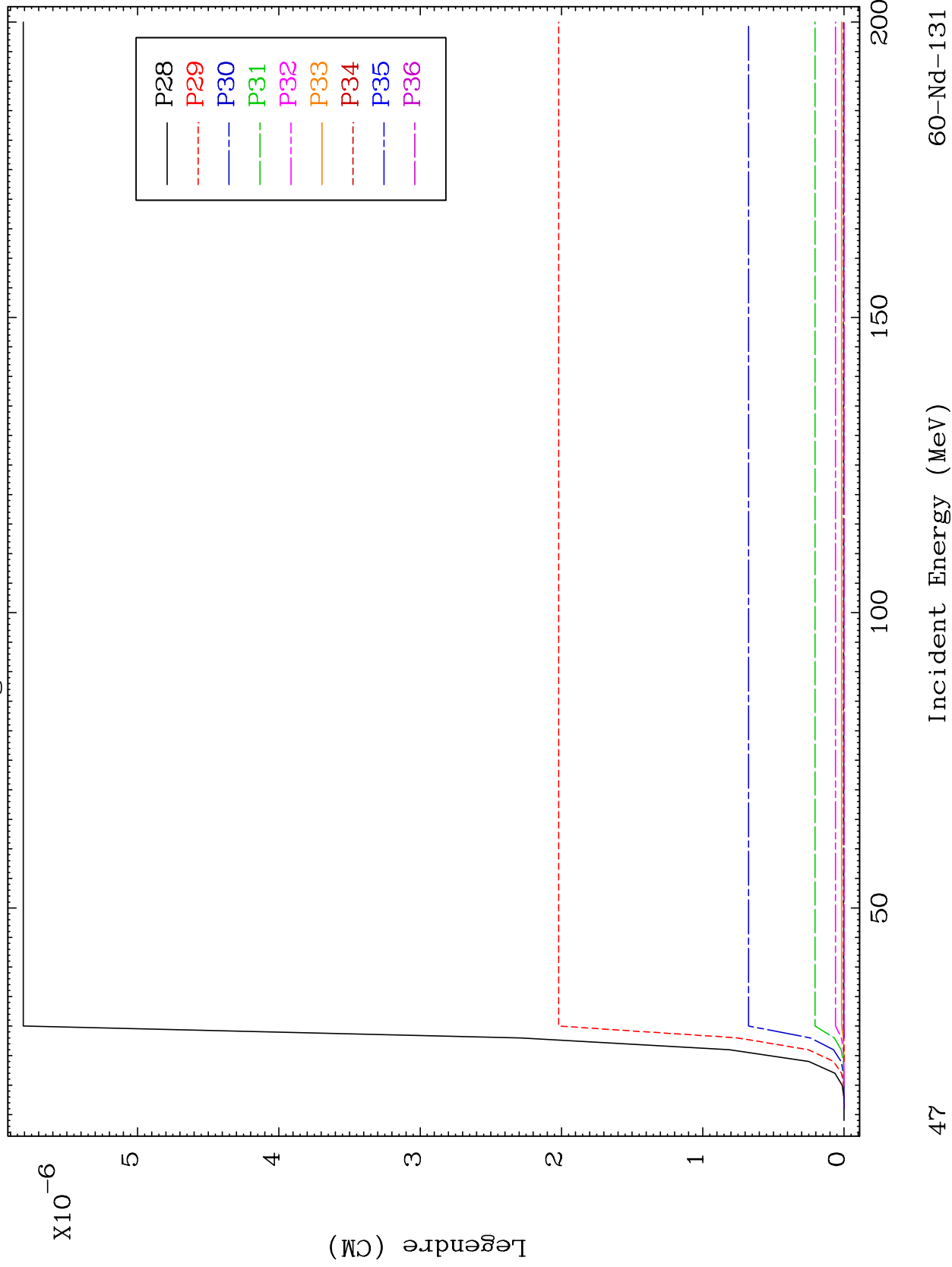
Incident Energy (MeV)

46

MAT 5992

300.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-131

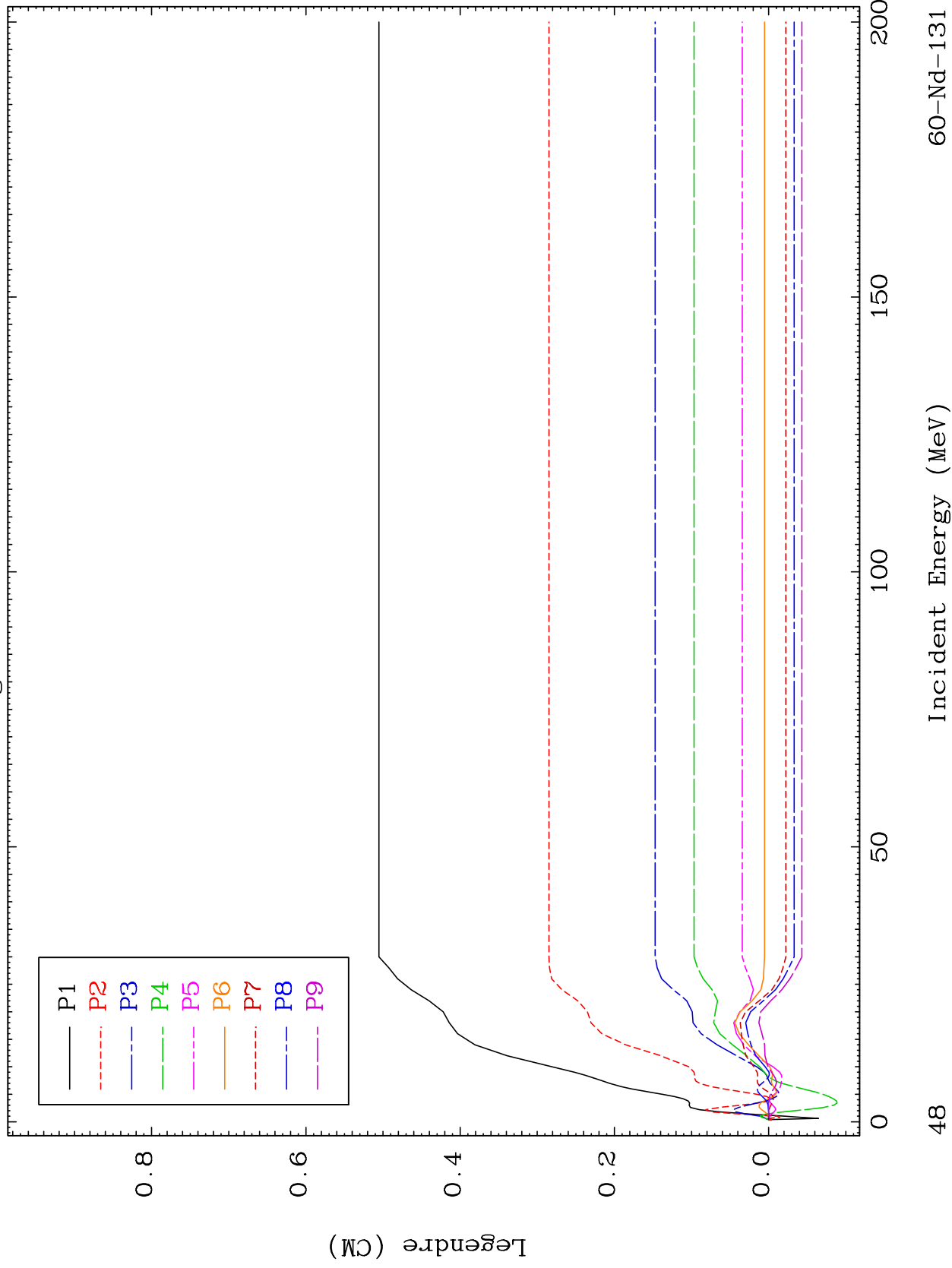




MAT 5992

302.8 keV (n,n') Level  
Legendre Coefficients

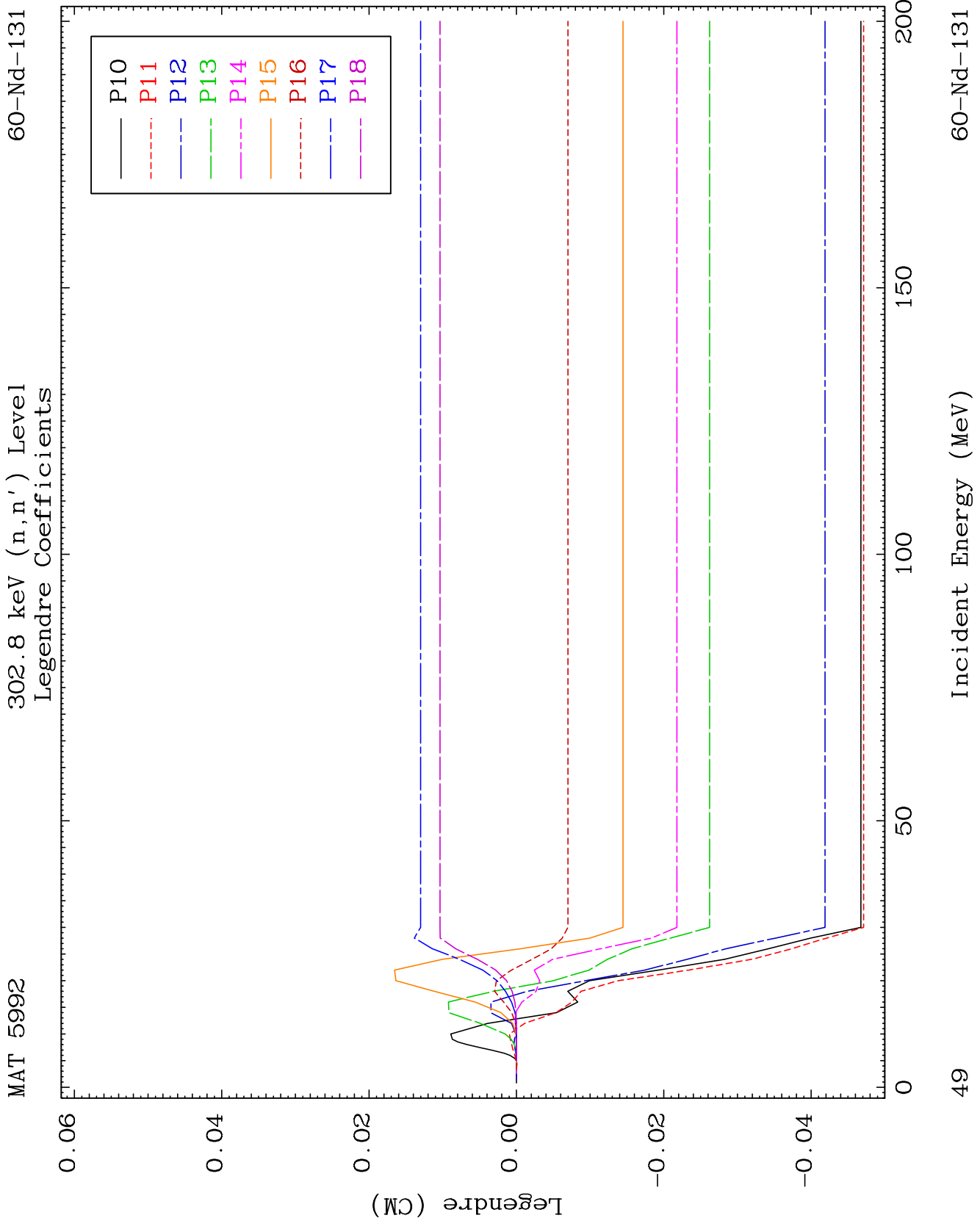
60-Nd-131



60-Nd-131

Incident Energy (MeV)

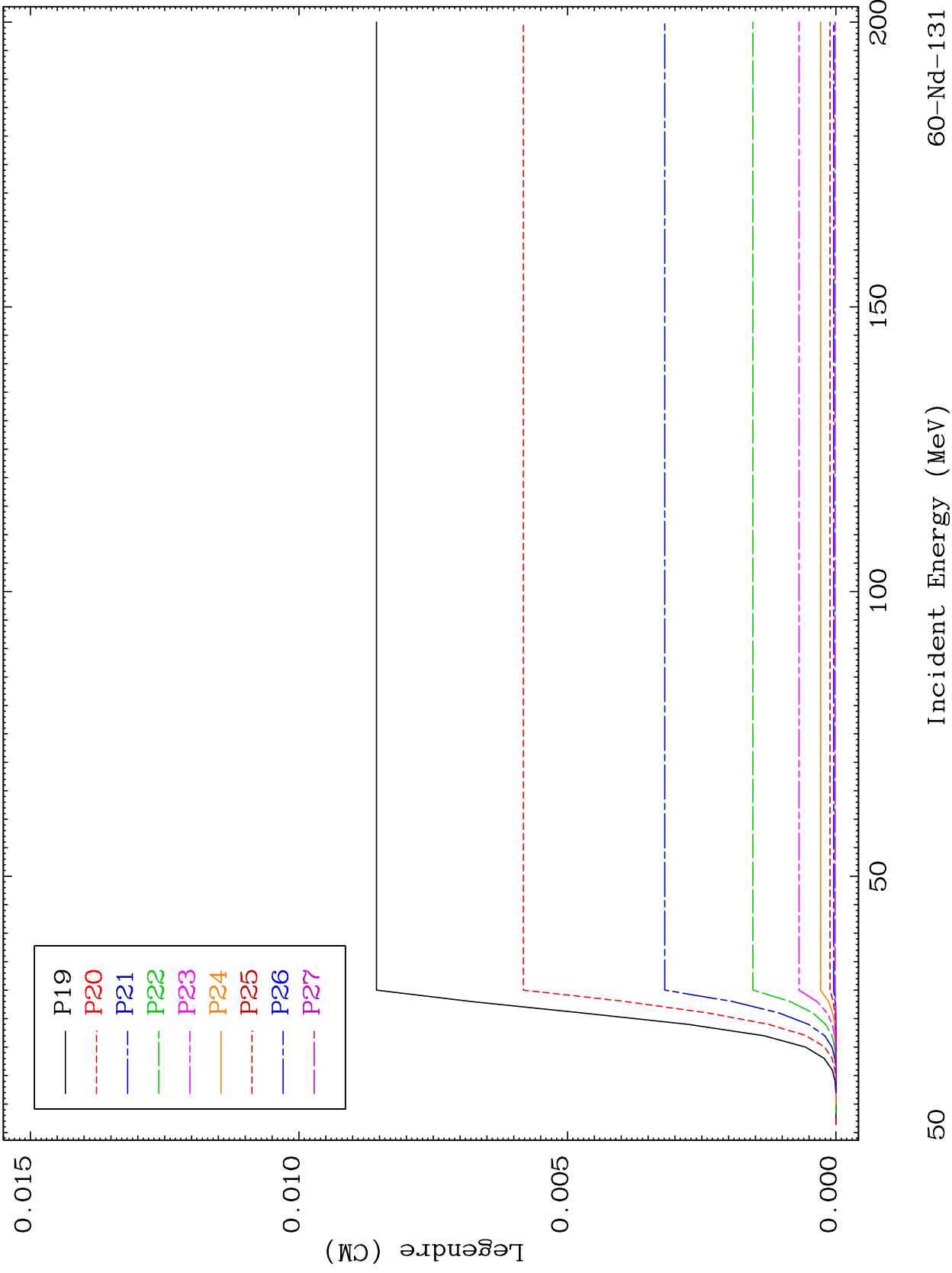
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MAT 5992

302.8 keV (n, n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

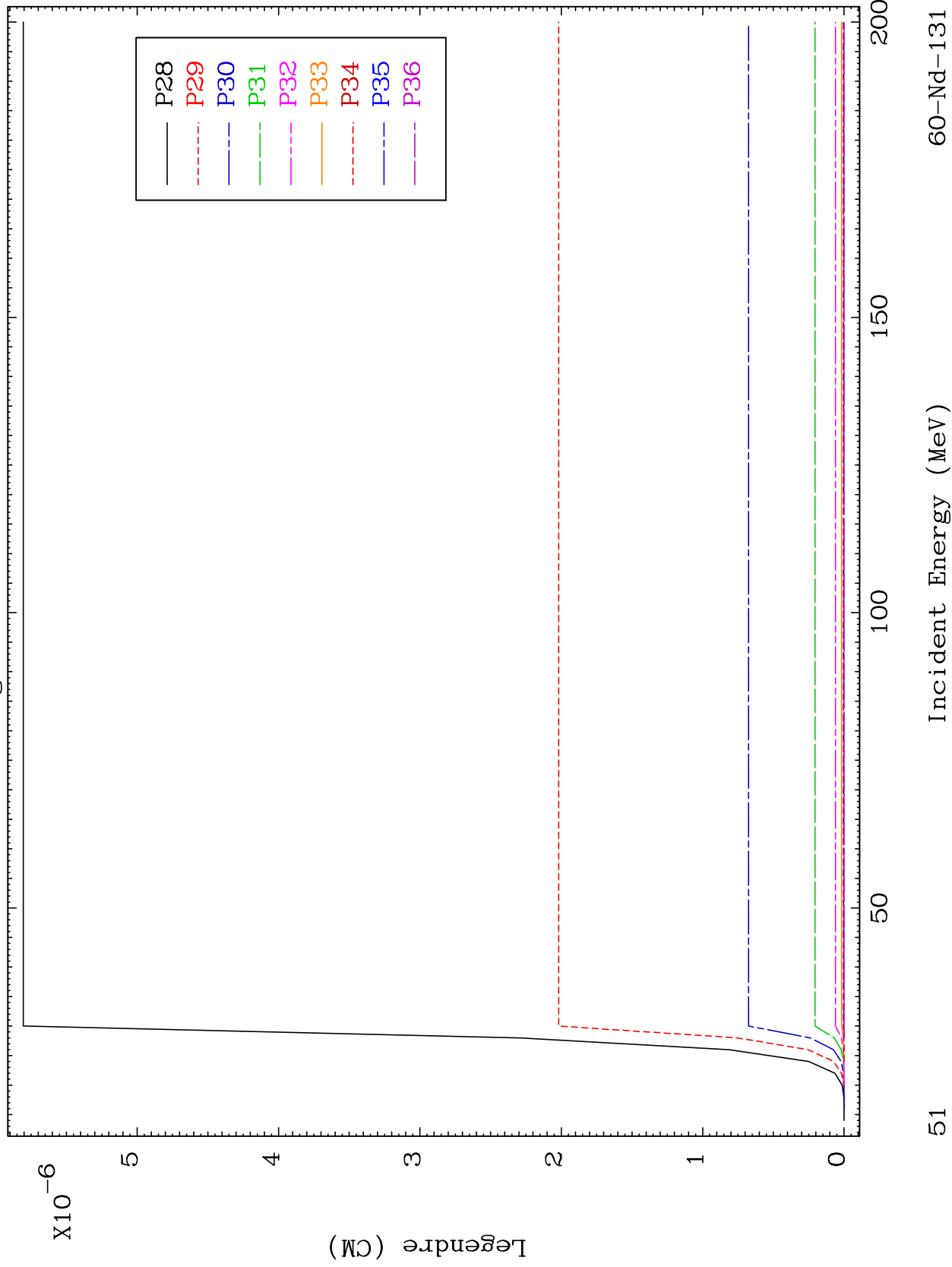
Incident Energy (MeV)

50

MAT 5992

302.8 keV (n,n') Level  
Legendre Coefficients

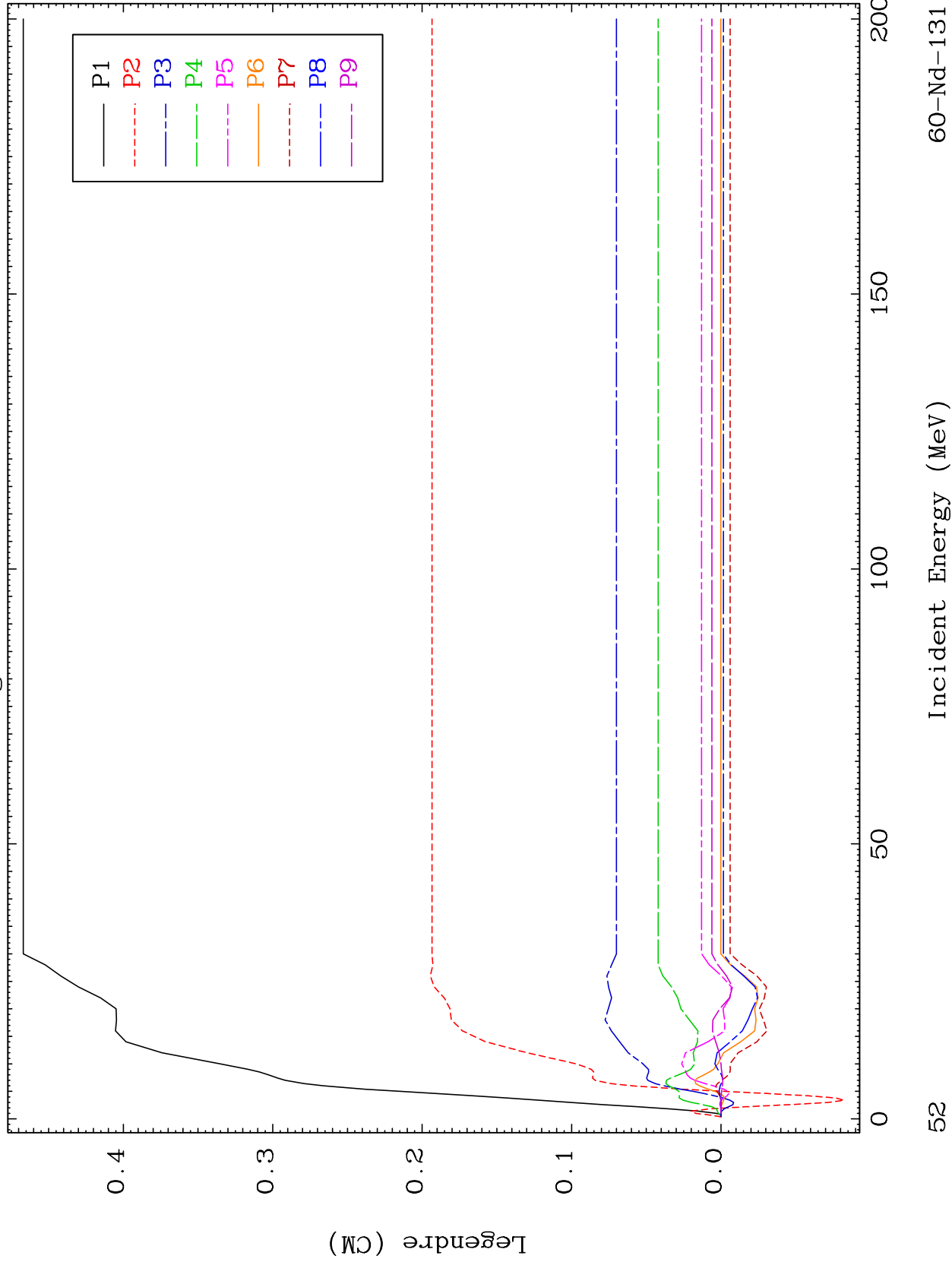
60-Nd-131



MAT 5992

321.0 keV (n,n') Level  
Legendre Coefficients

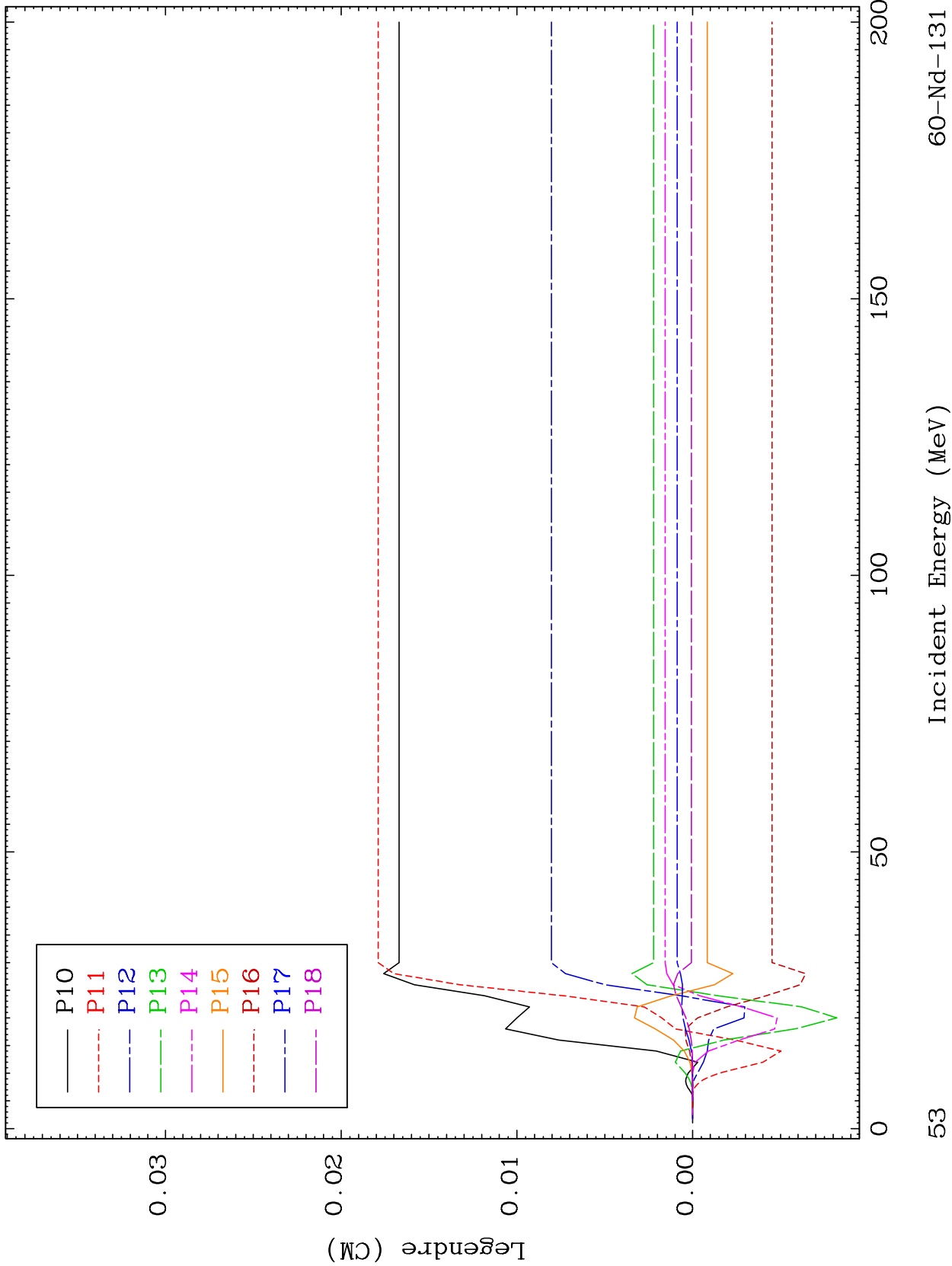
60-Nd-131



60-Nd-131

Incident Energy (MeV)

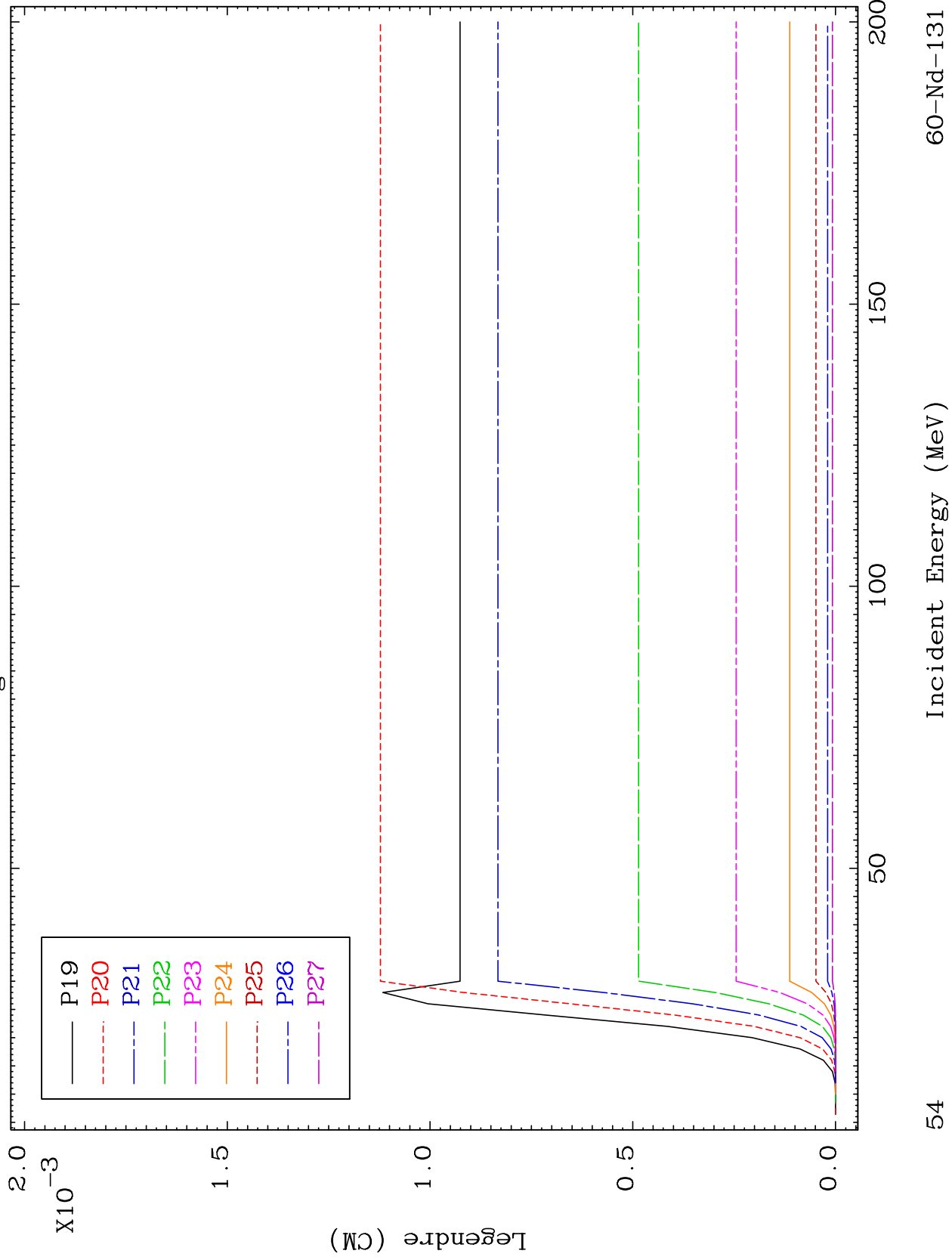
52



MAT 5992

321.0 keV (n,n') Level  
Legendre Coefficients

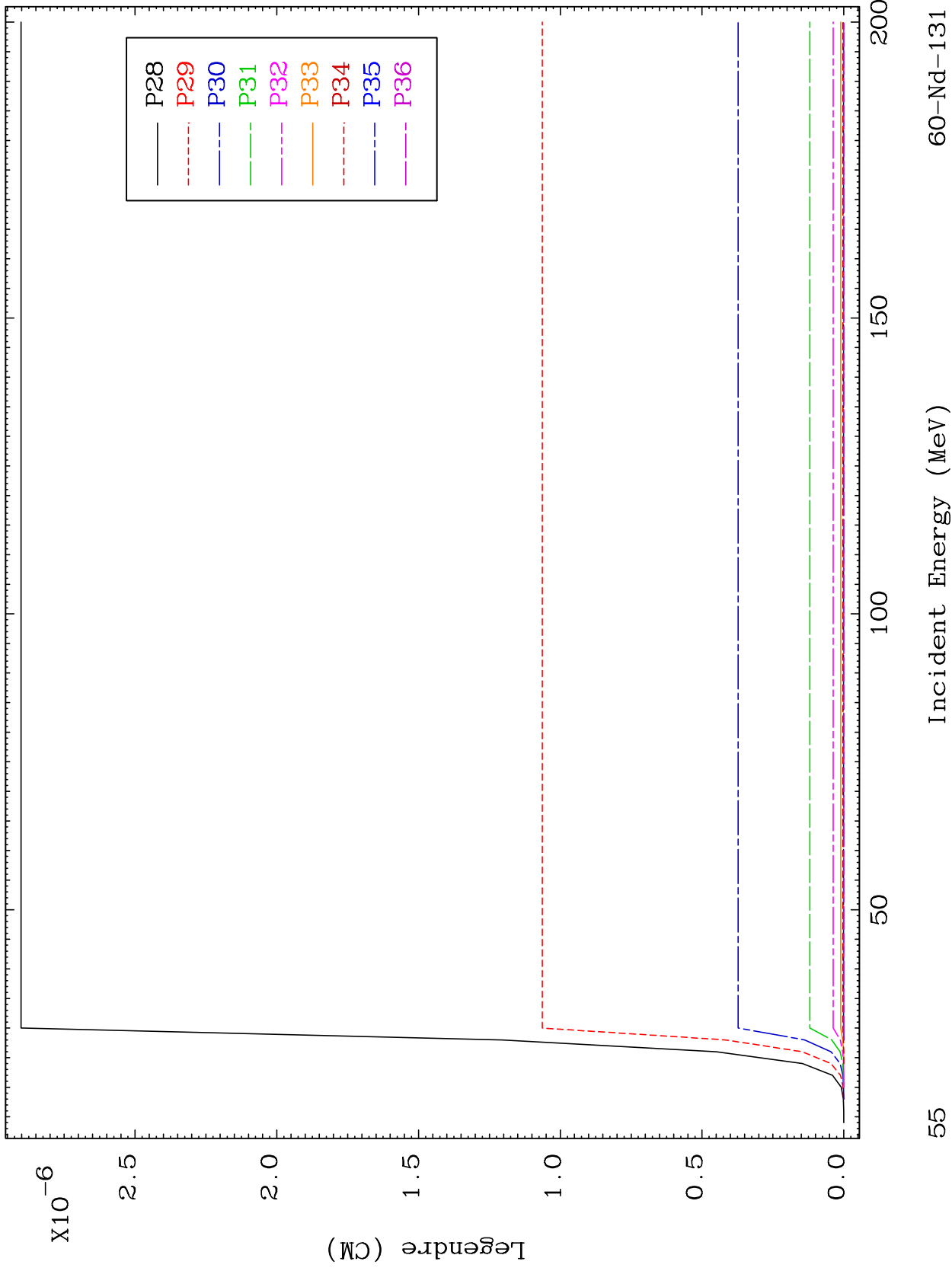
60-Nd-131



MAT 5992

321.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-131

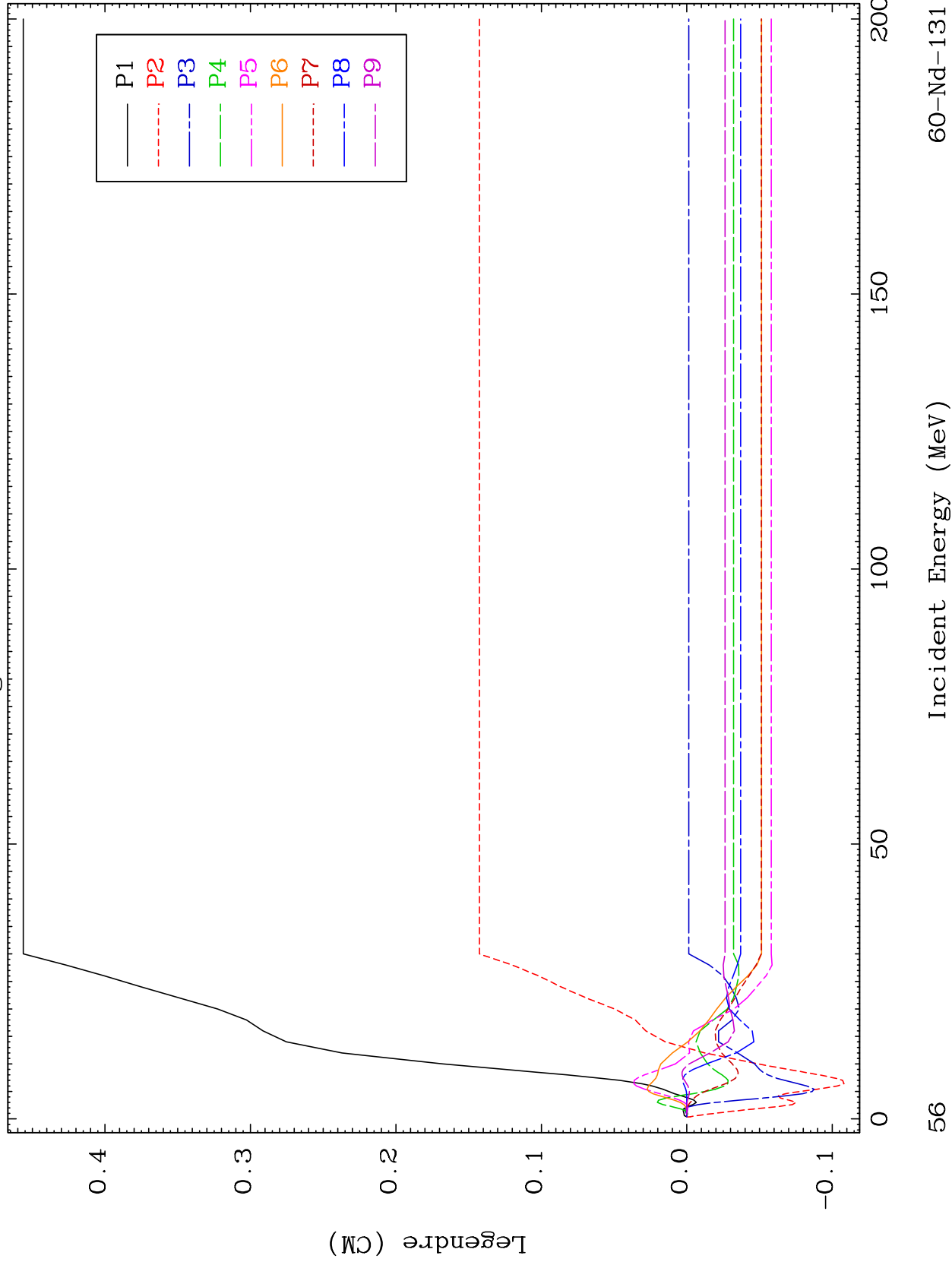




MAT 5992

331.2 keV (n,n') Level  
Legendre Coefficients

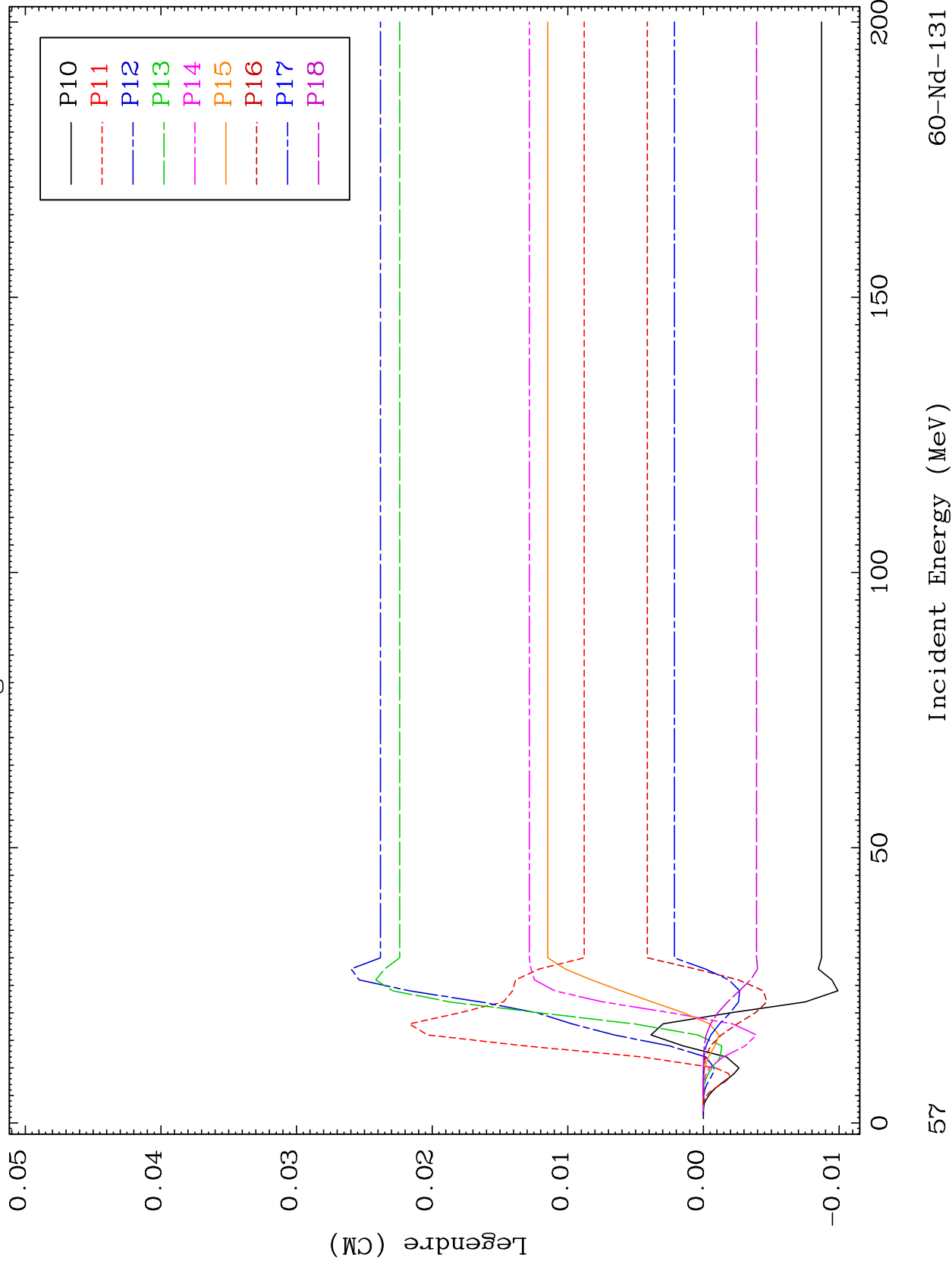
60-Nd-131



60-Nd-131

Incident Energy (MeV)

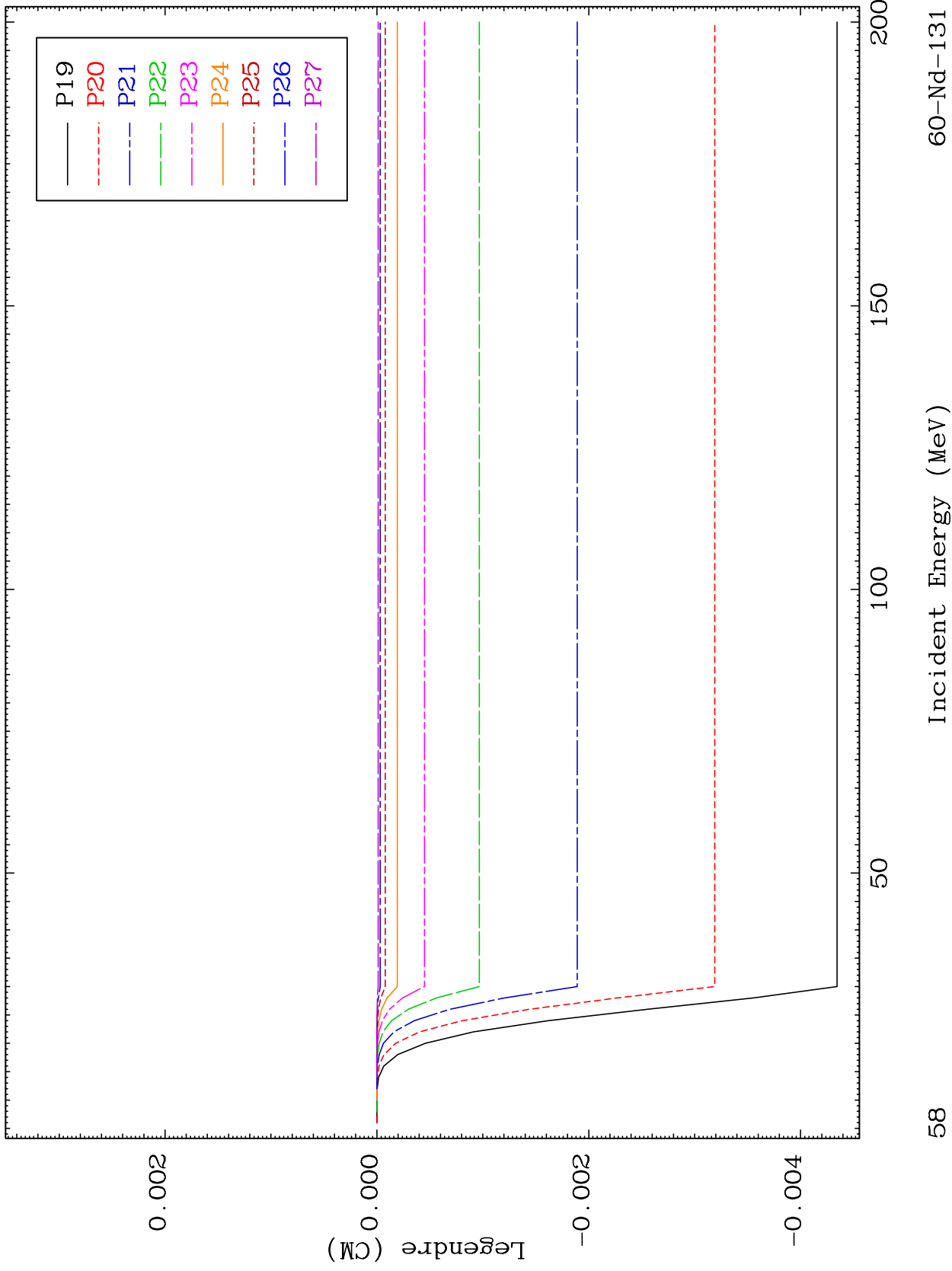
56



MAT 5992

331.2 keV (n,n') Level  
Legendre Coefficients

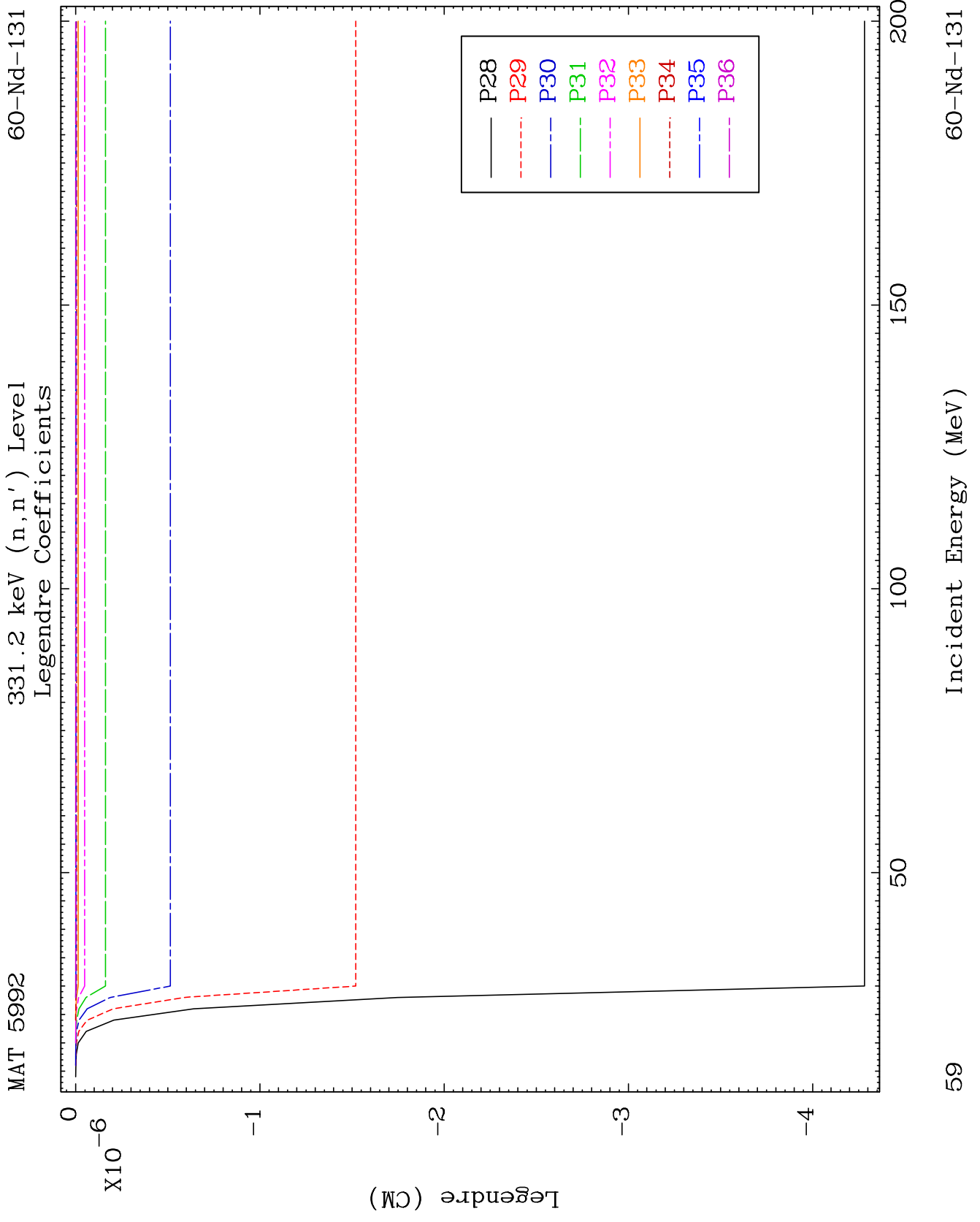
60-Nd-131

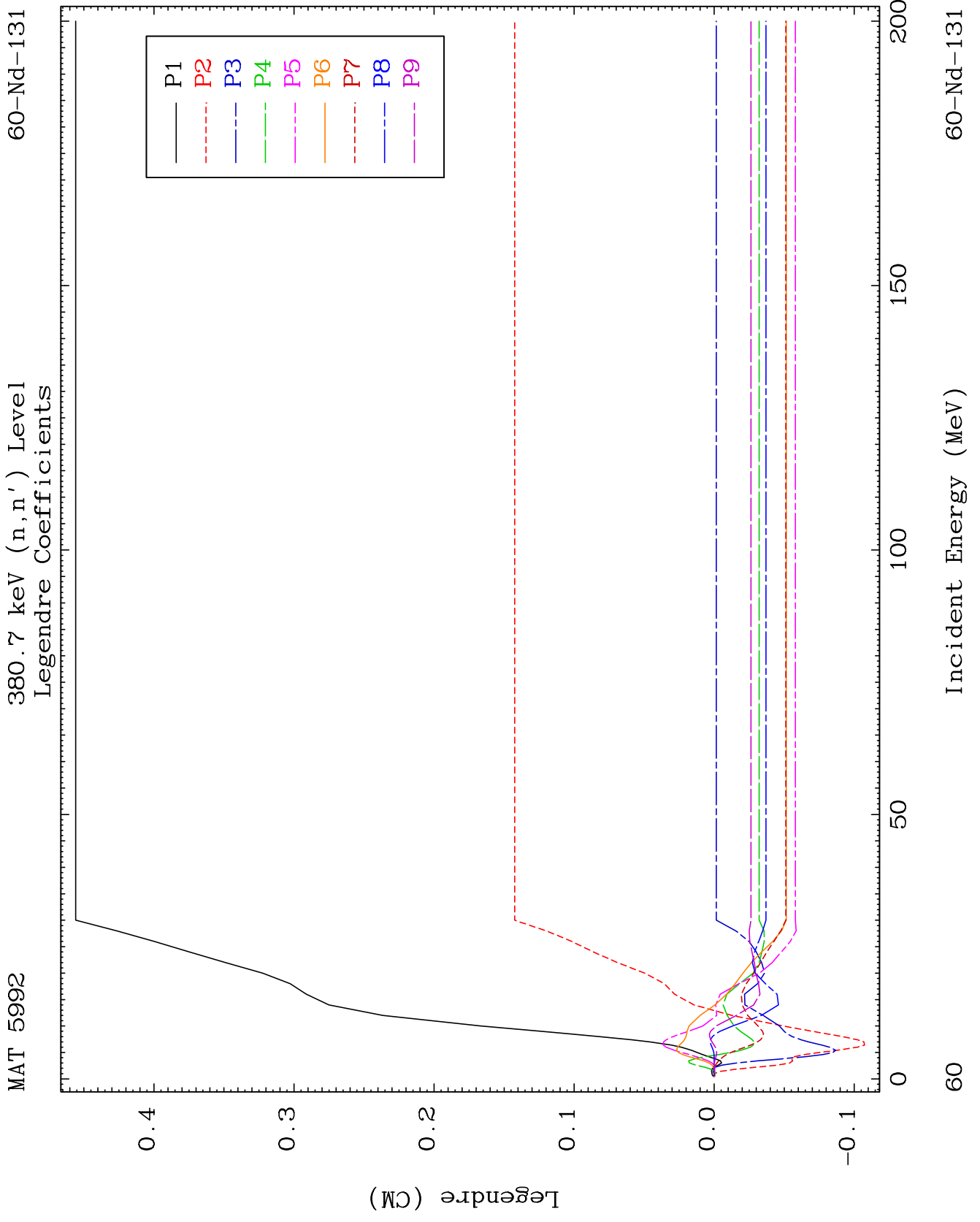


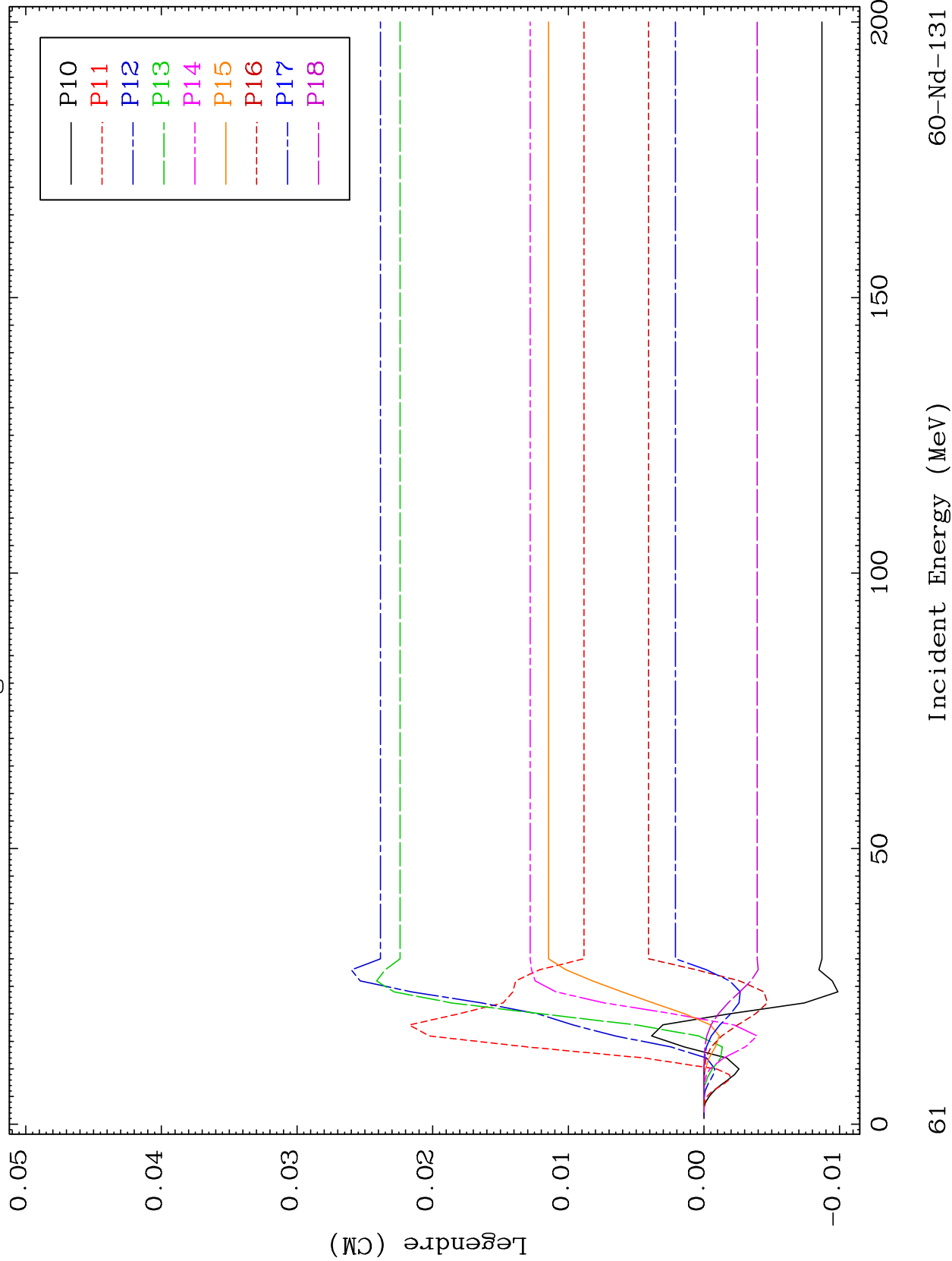
58

Incident Energy (MeV)

60-Nd-131



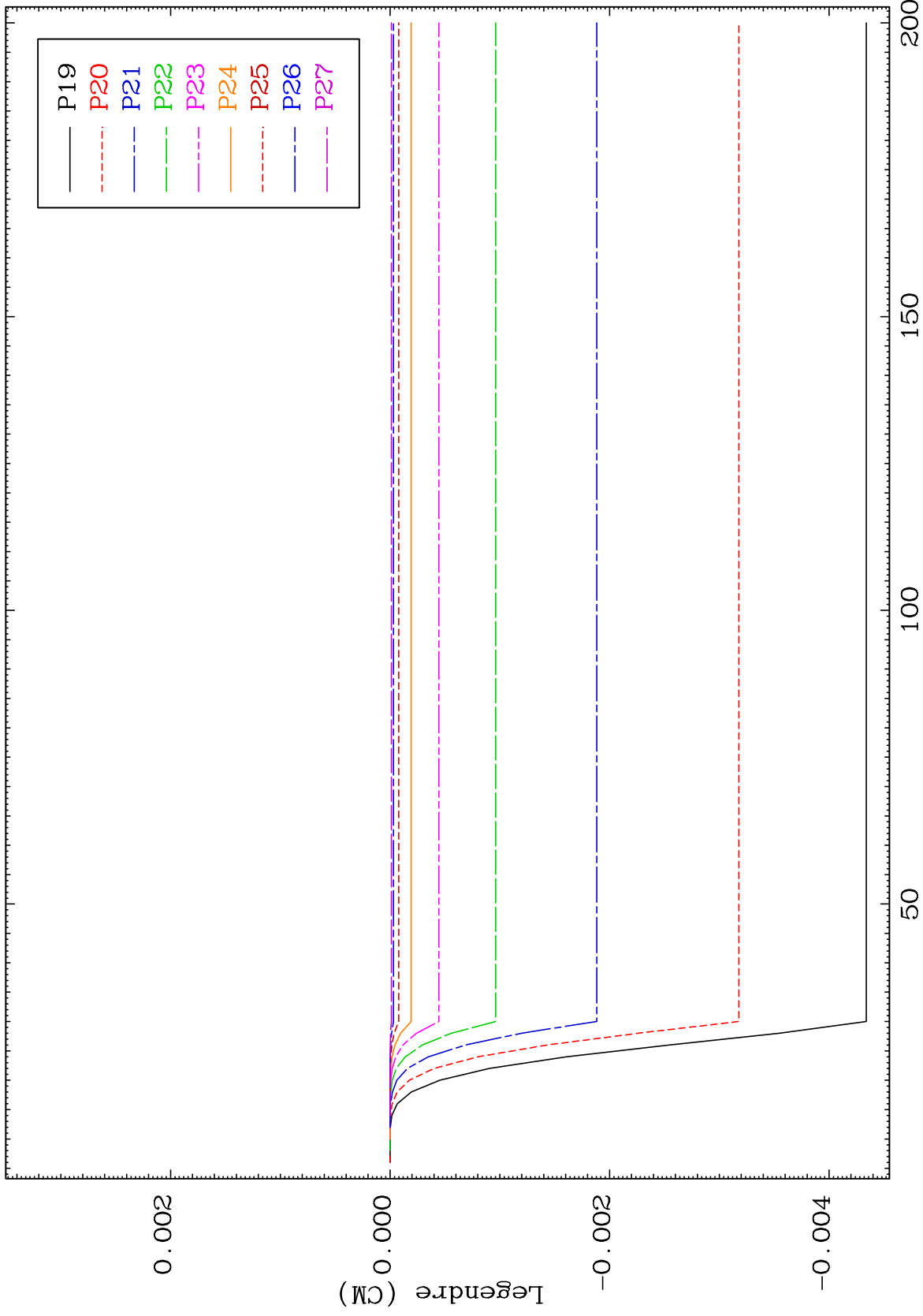




MAT 5992

380.7 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



62

Incident Energy (MeV)

60-Nd-131

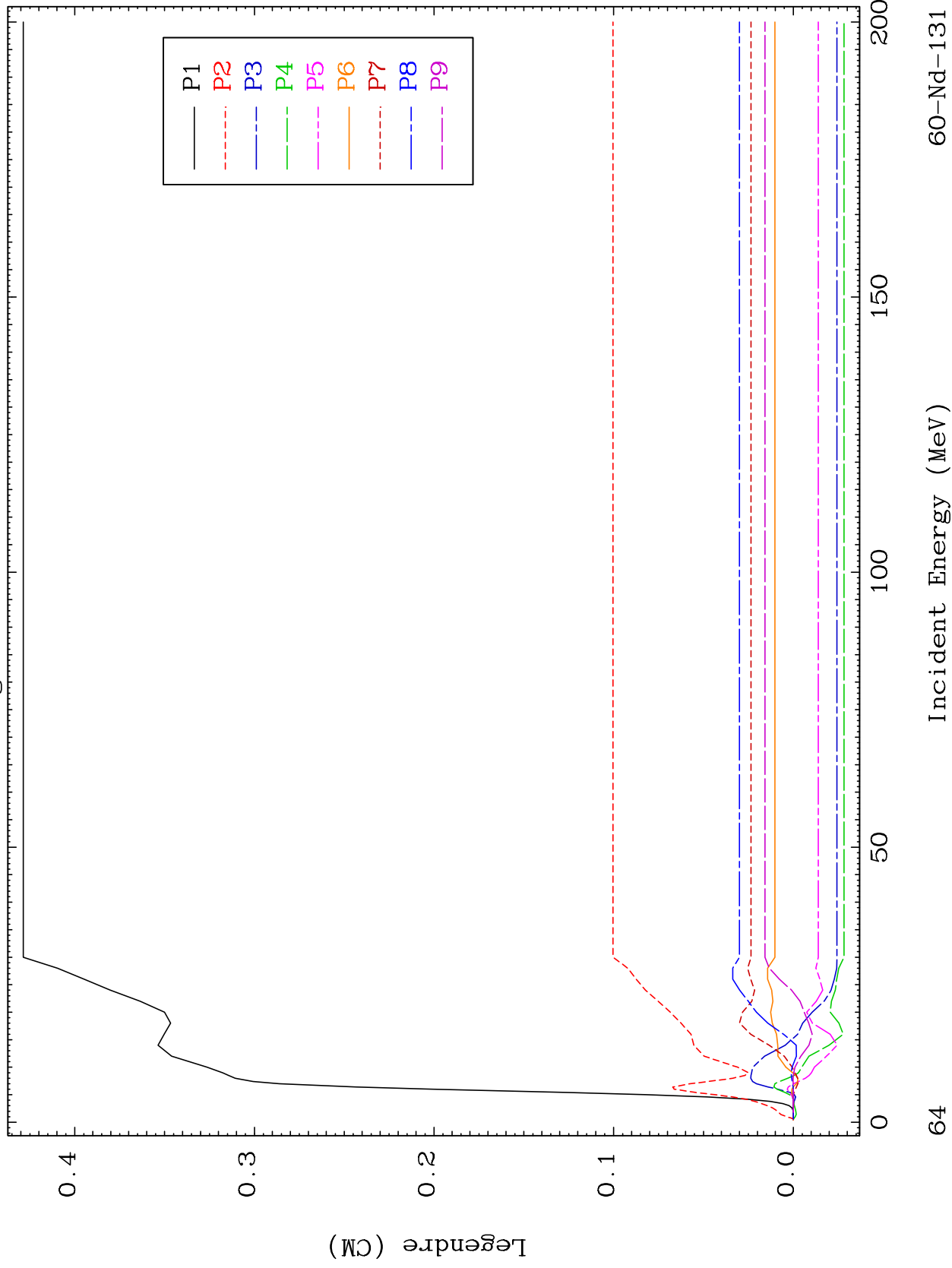




MAT 5992

387.7 keV (n,n') Level  
Legendre Coefficients

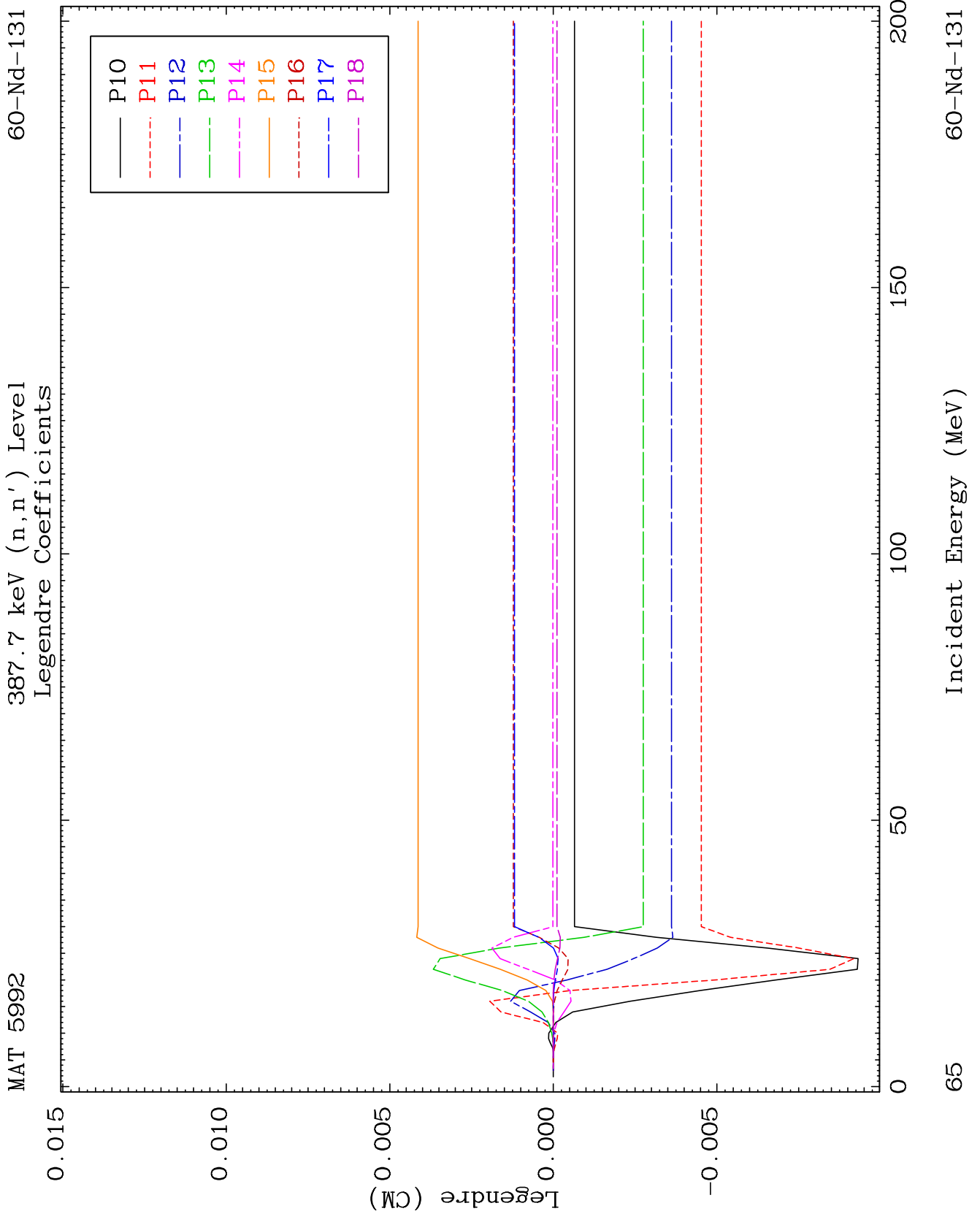
60-Nd-131

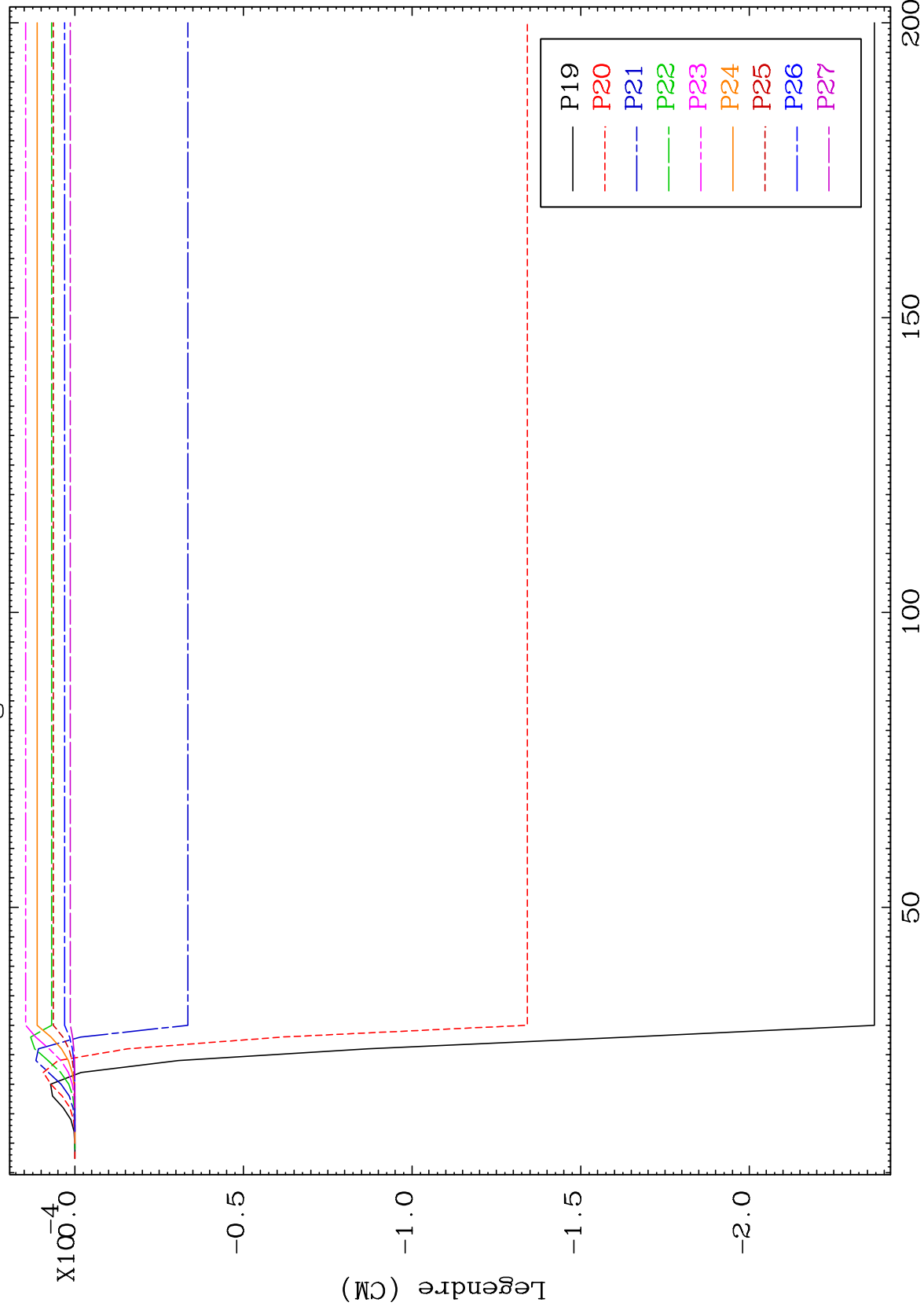


60-Nd-131

Incident Energy (MeV)

64

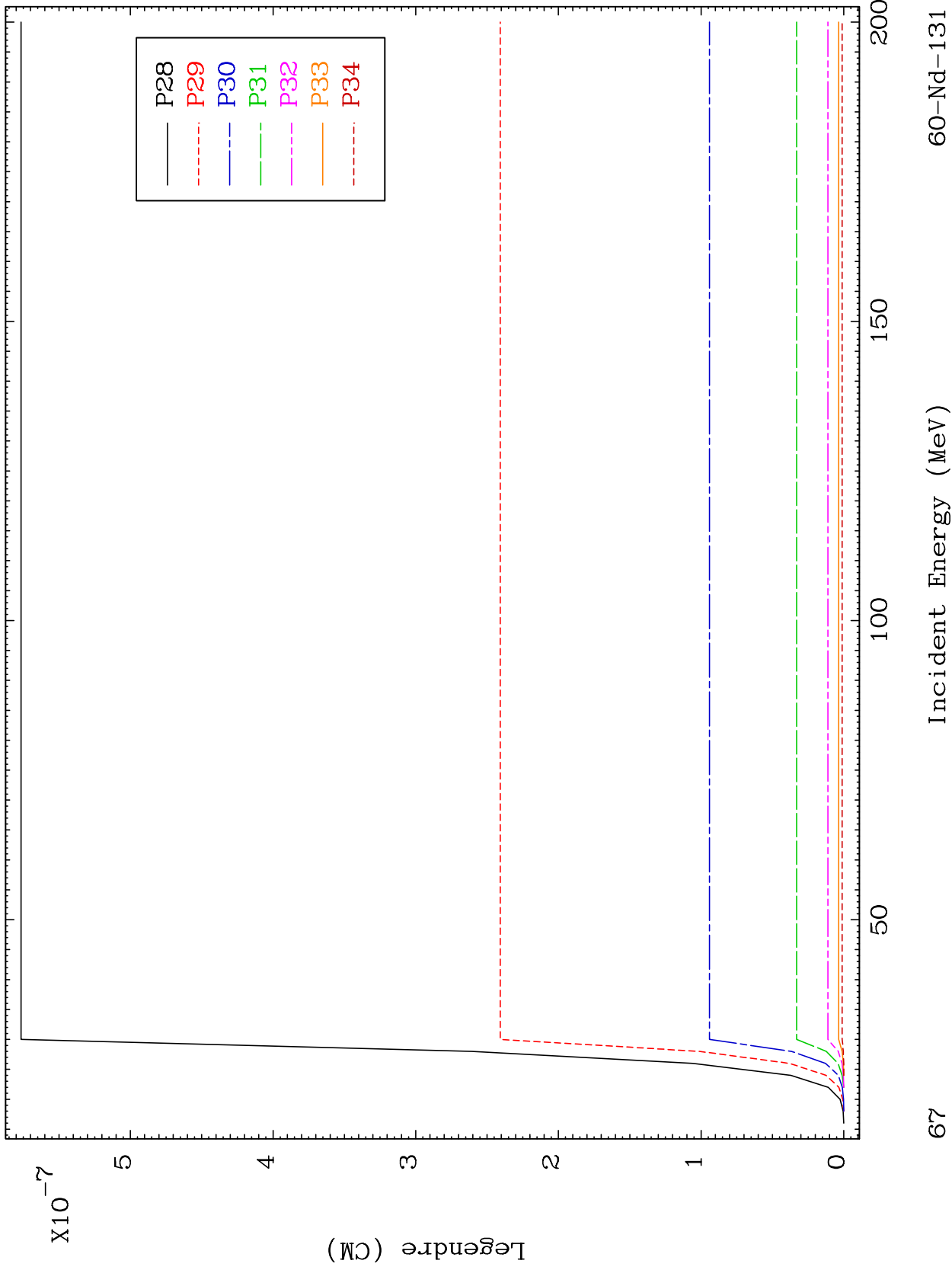




MAT 5992

387.7 keV (n,n') Level  
Legendre Coefficients

60-Nd-131

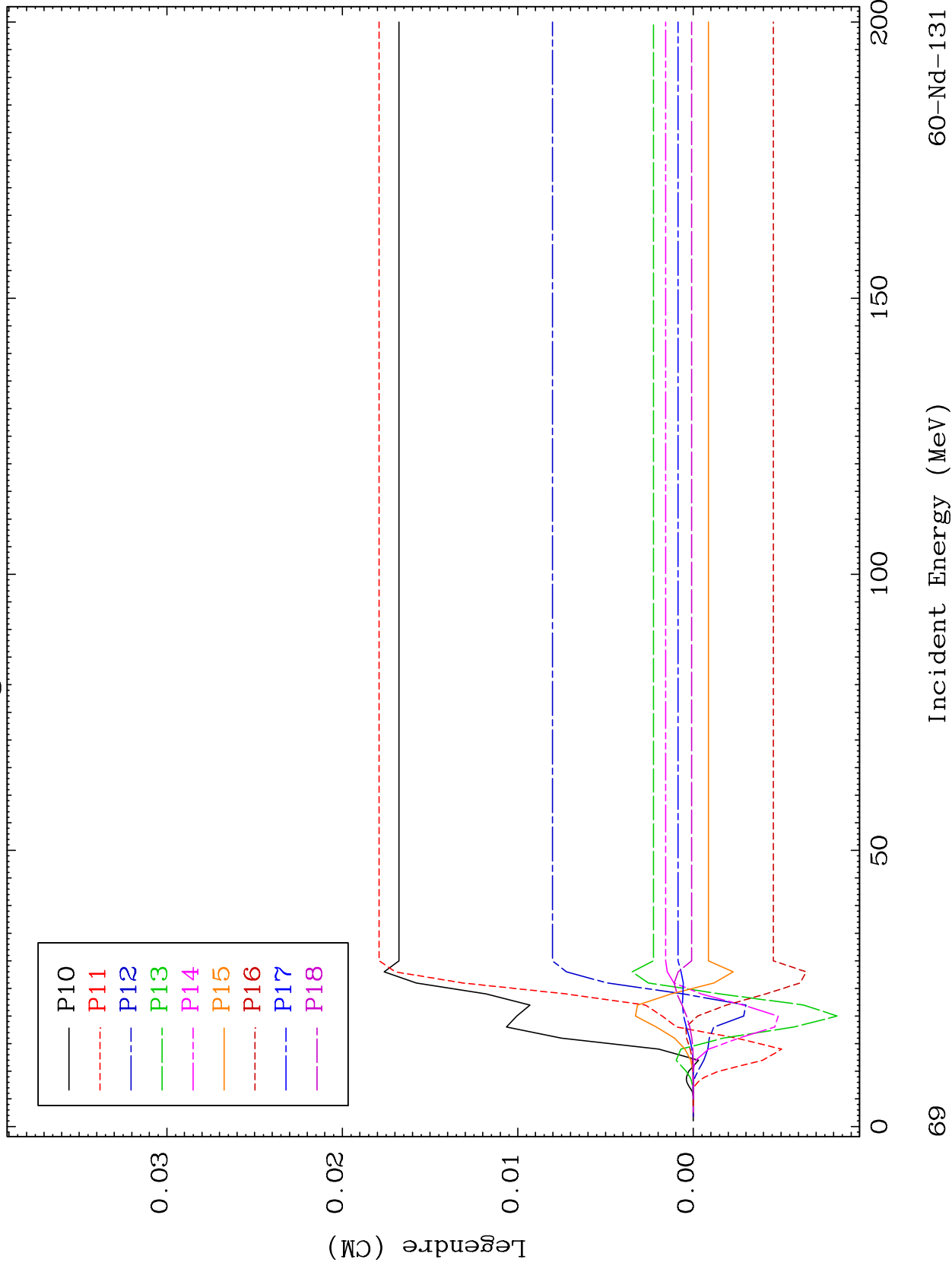




MAT 5992

394.5 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

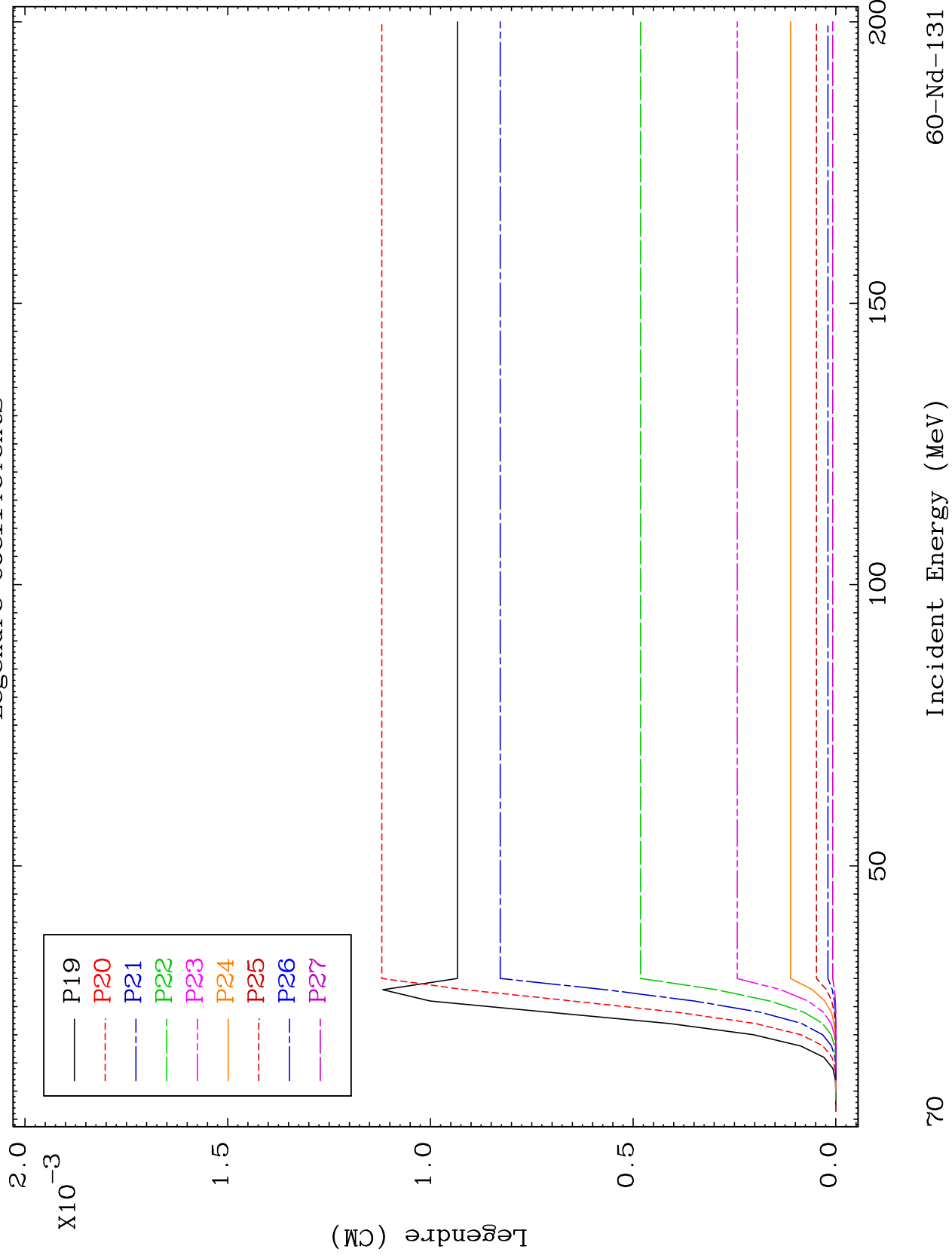
Incident Energy (MeV)

69

MAT 5992

394.5 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



70

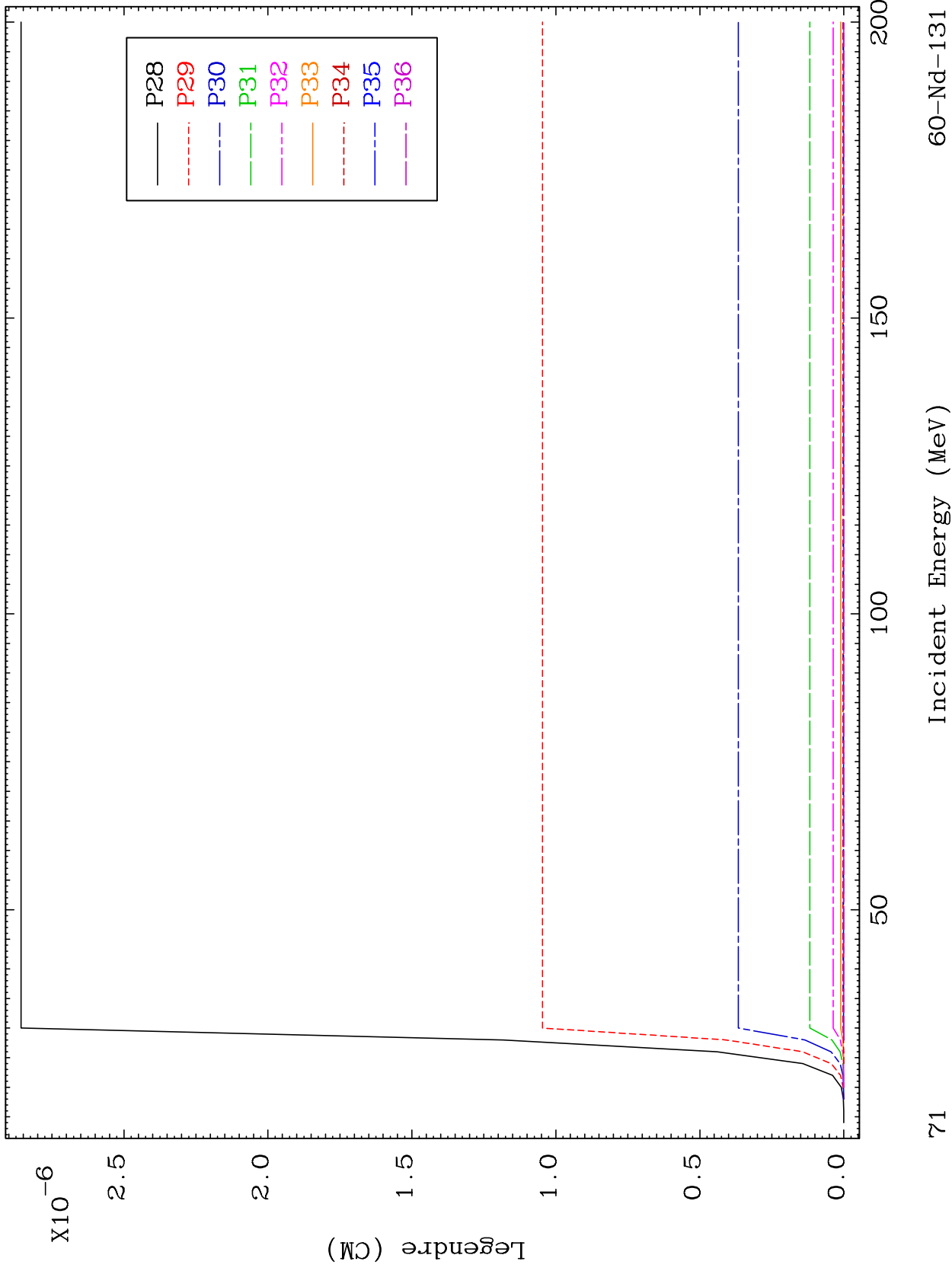
Incident Energy (MeV)

60-Nd-131

MAT 5992

394.5 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



71

Incident Energy (MeV)

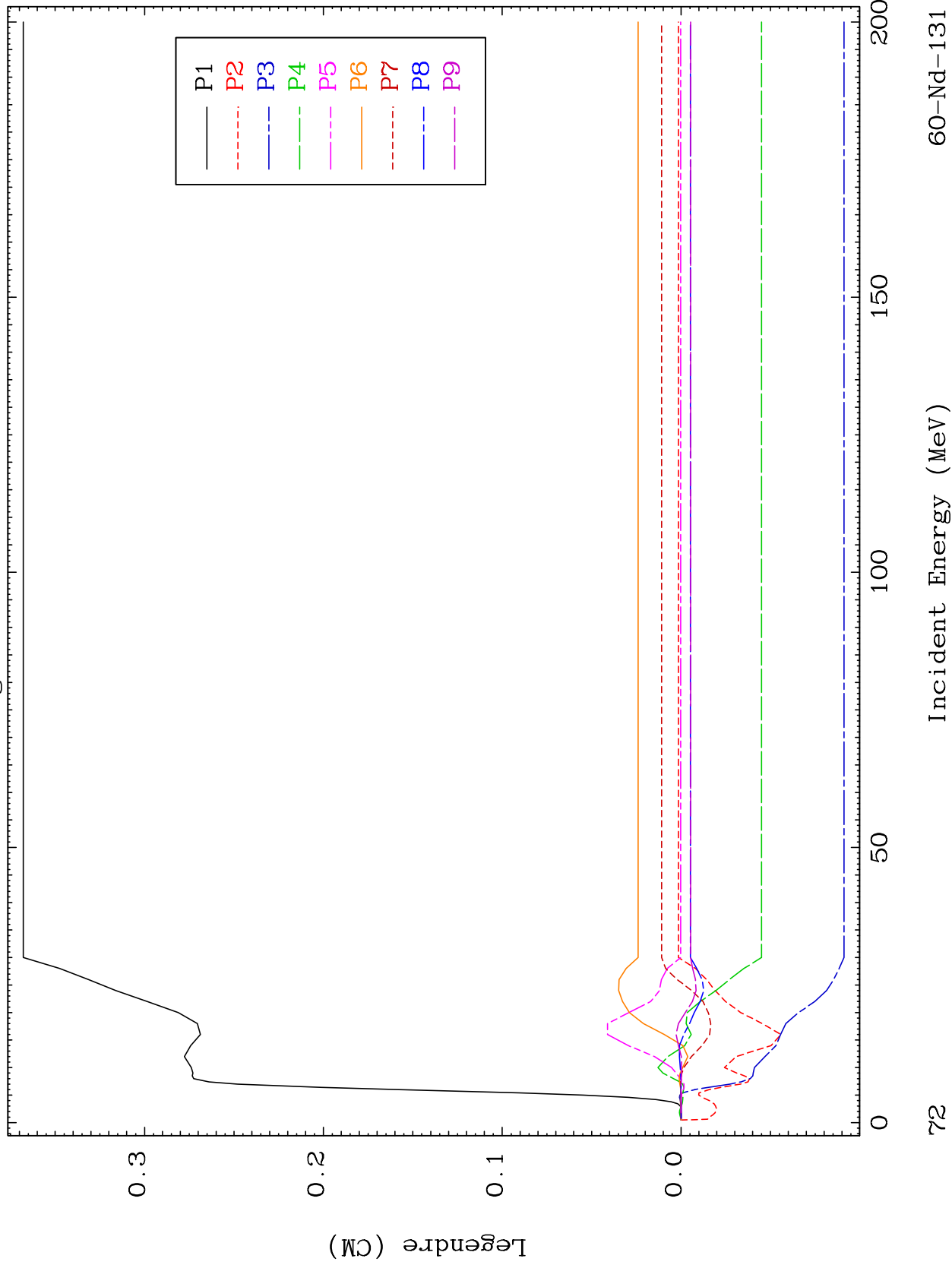
60-Nd-131



MAT 5992

453.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

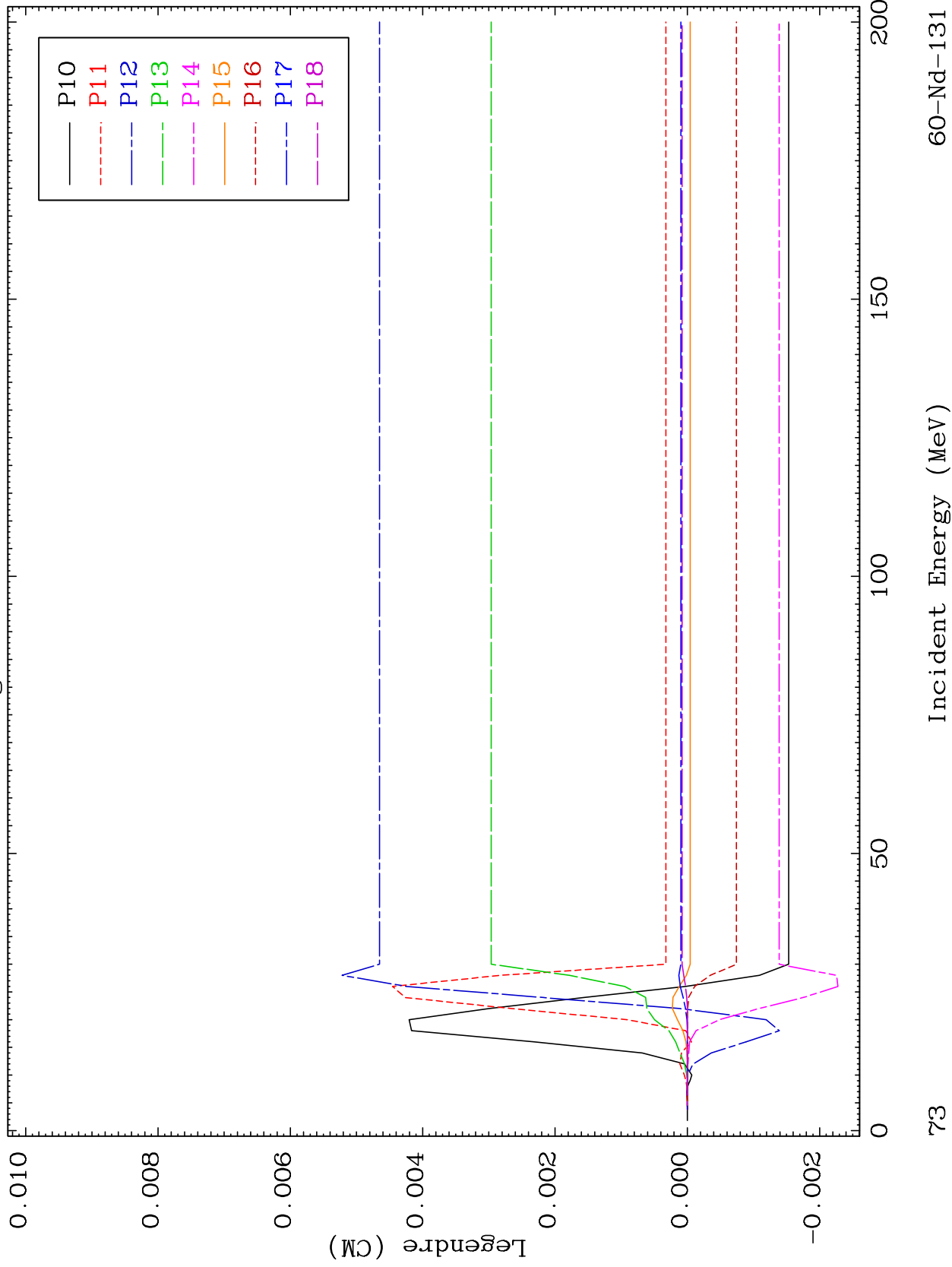
Incident Energy (MeV)

72

MAT 5992

453.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



73

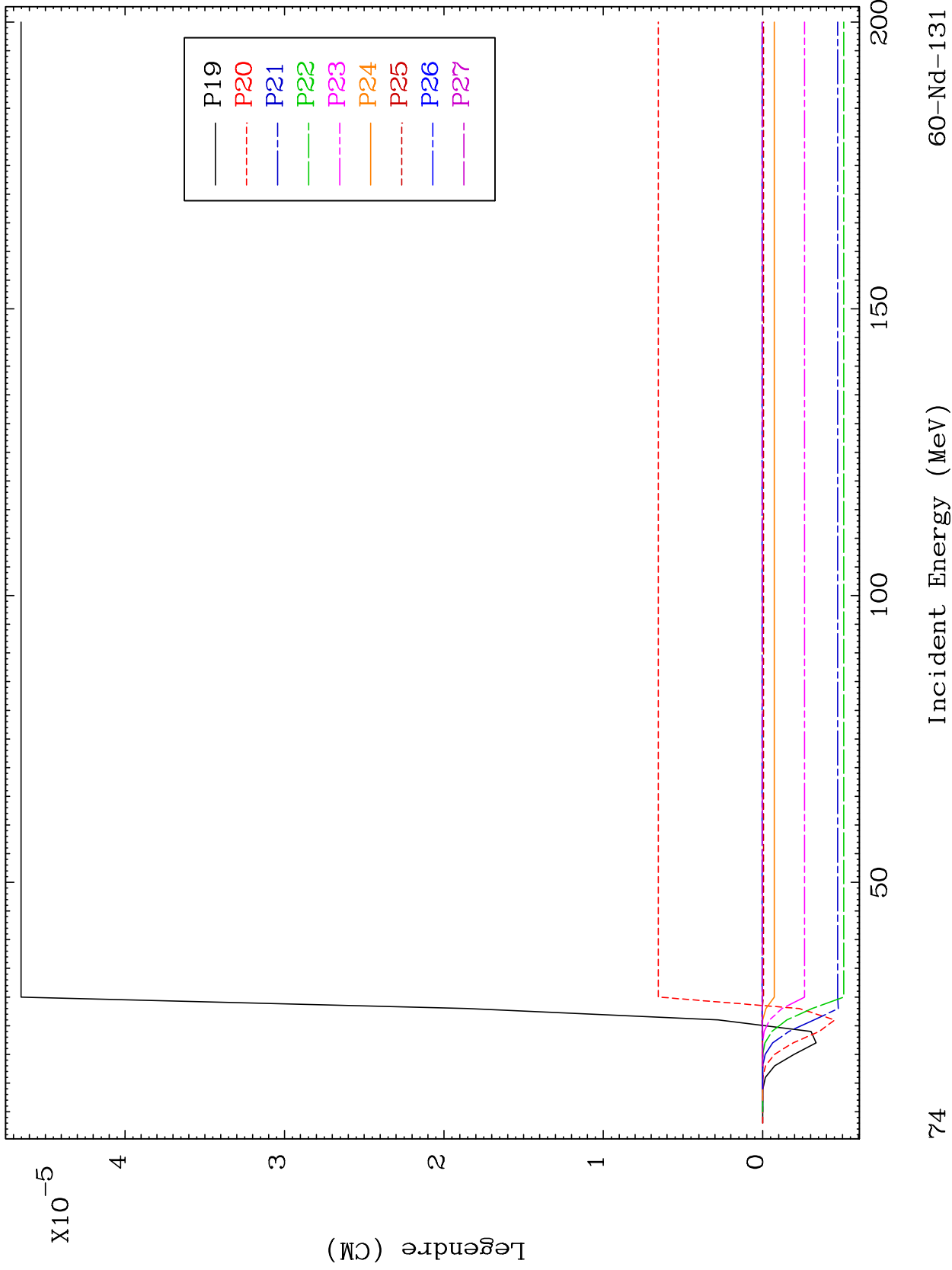
Incident Energy (MeV)

60-Nd-131

MAT 5992

453.4 keV (n,n') Level  
Legendre Coefficients

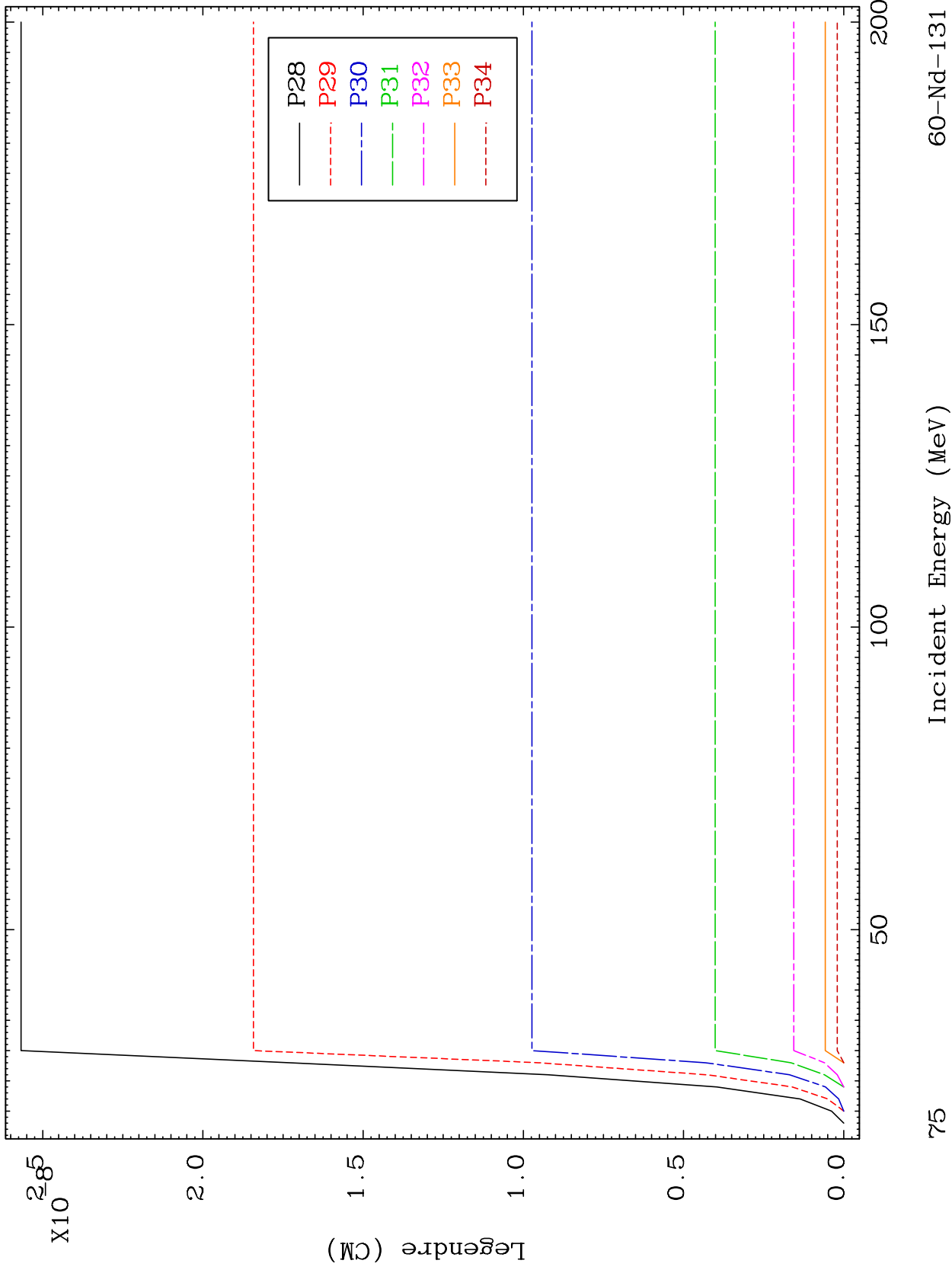
60-Nd-131



MAT 5992

453.4 keV (n,n') Level  
Legendre Coefficients

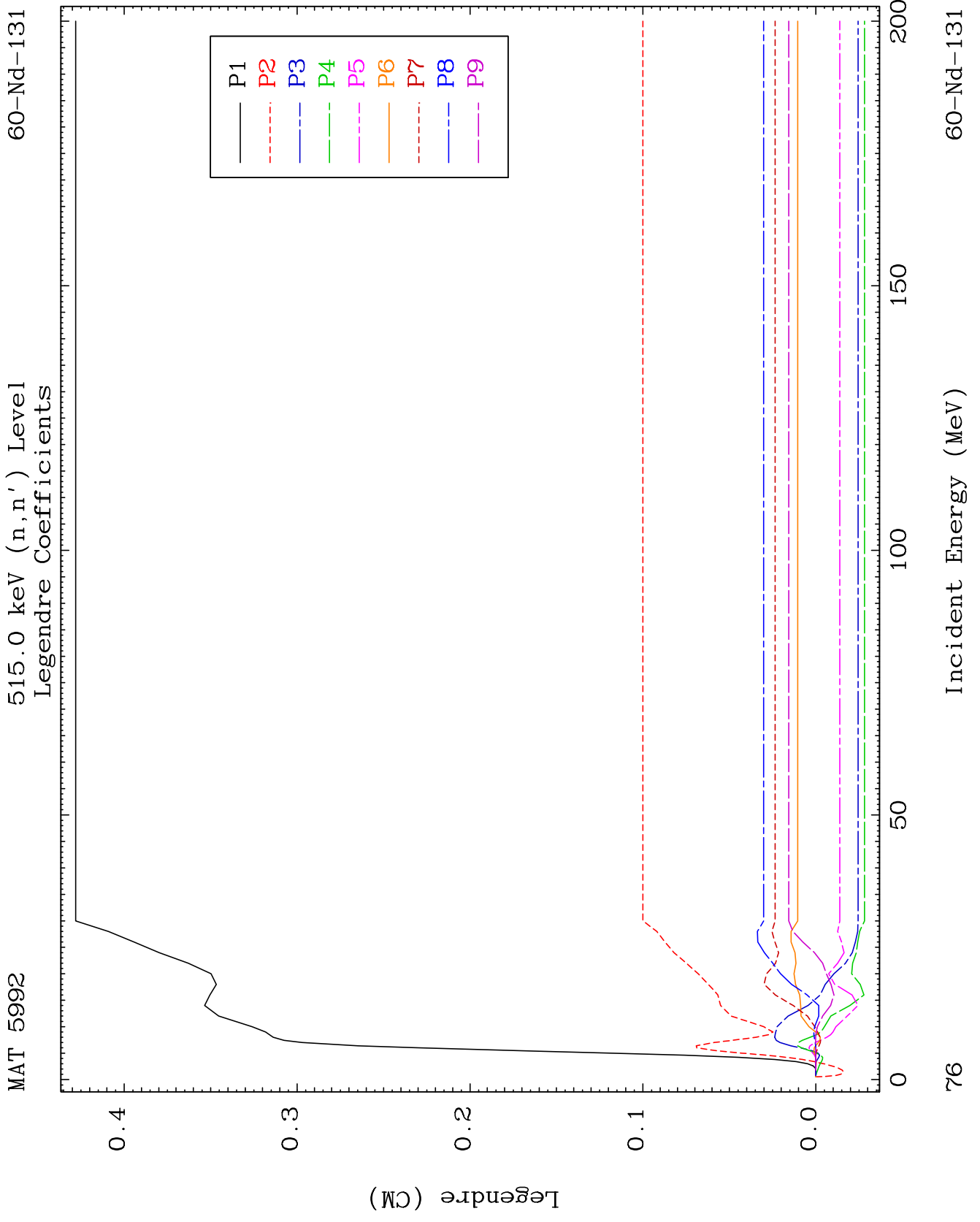
60-Nd-131



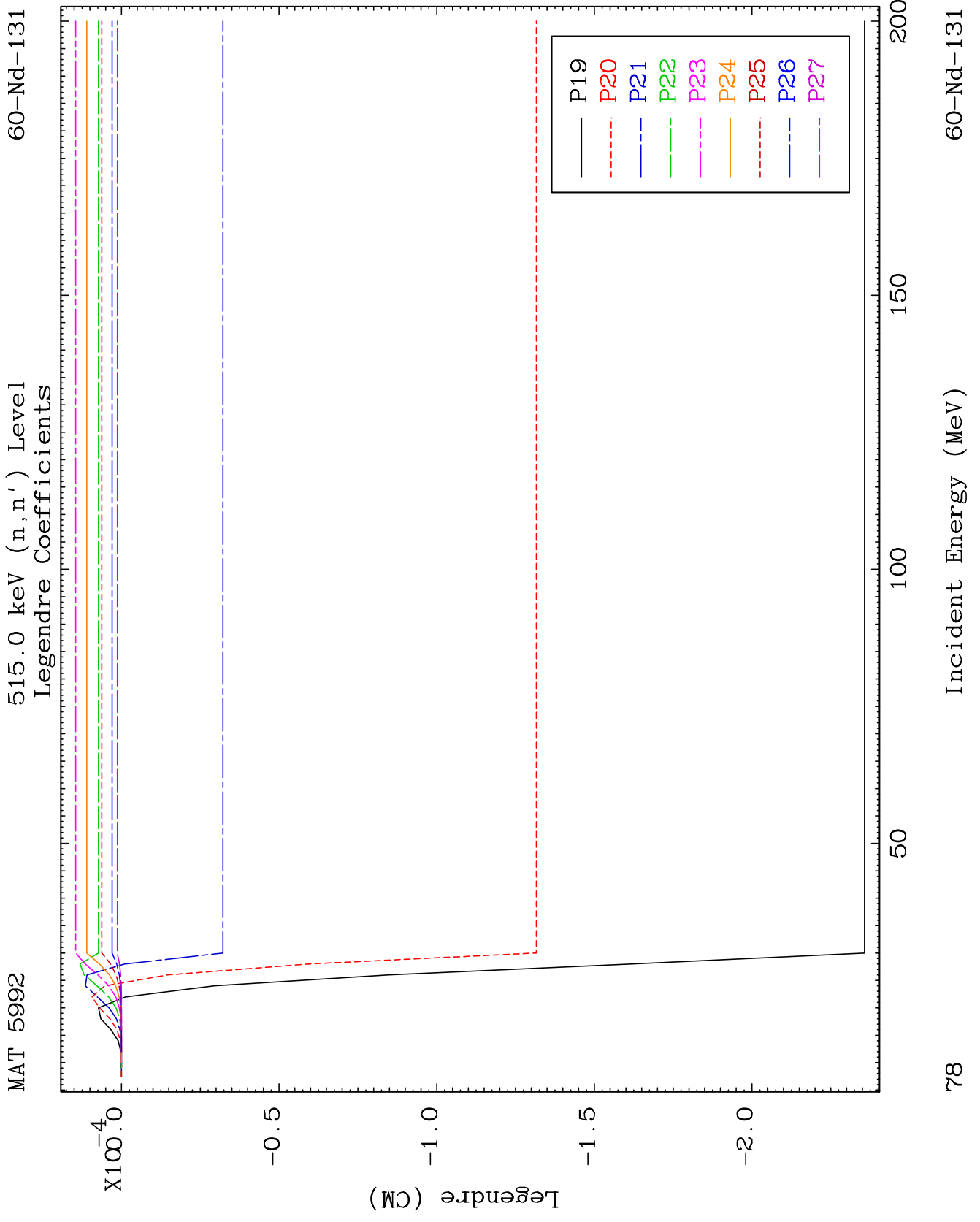
75

Incident Energy (MeV)

60-Nd-131



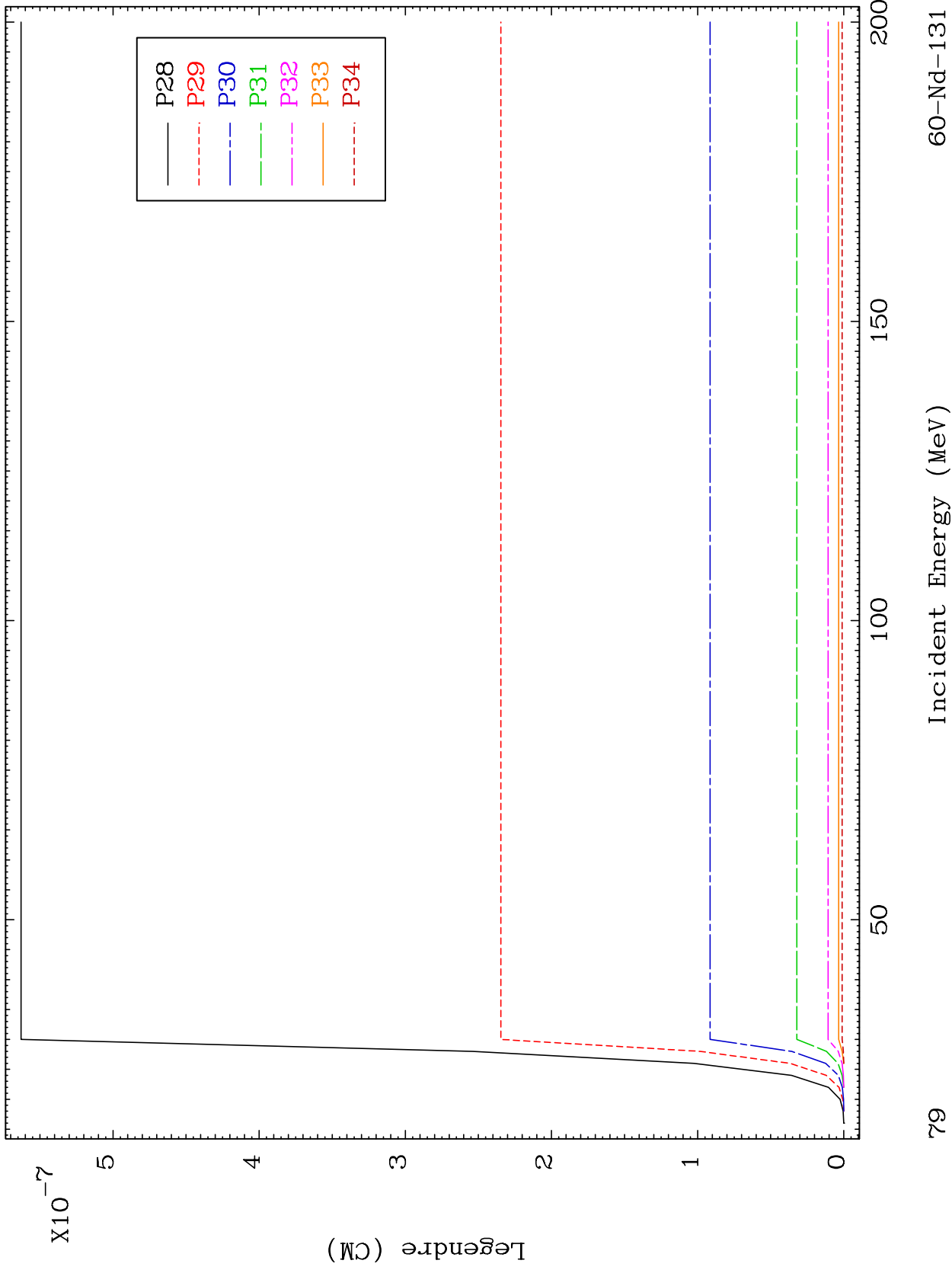




MAT 5992

515.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-131

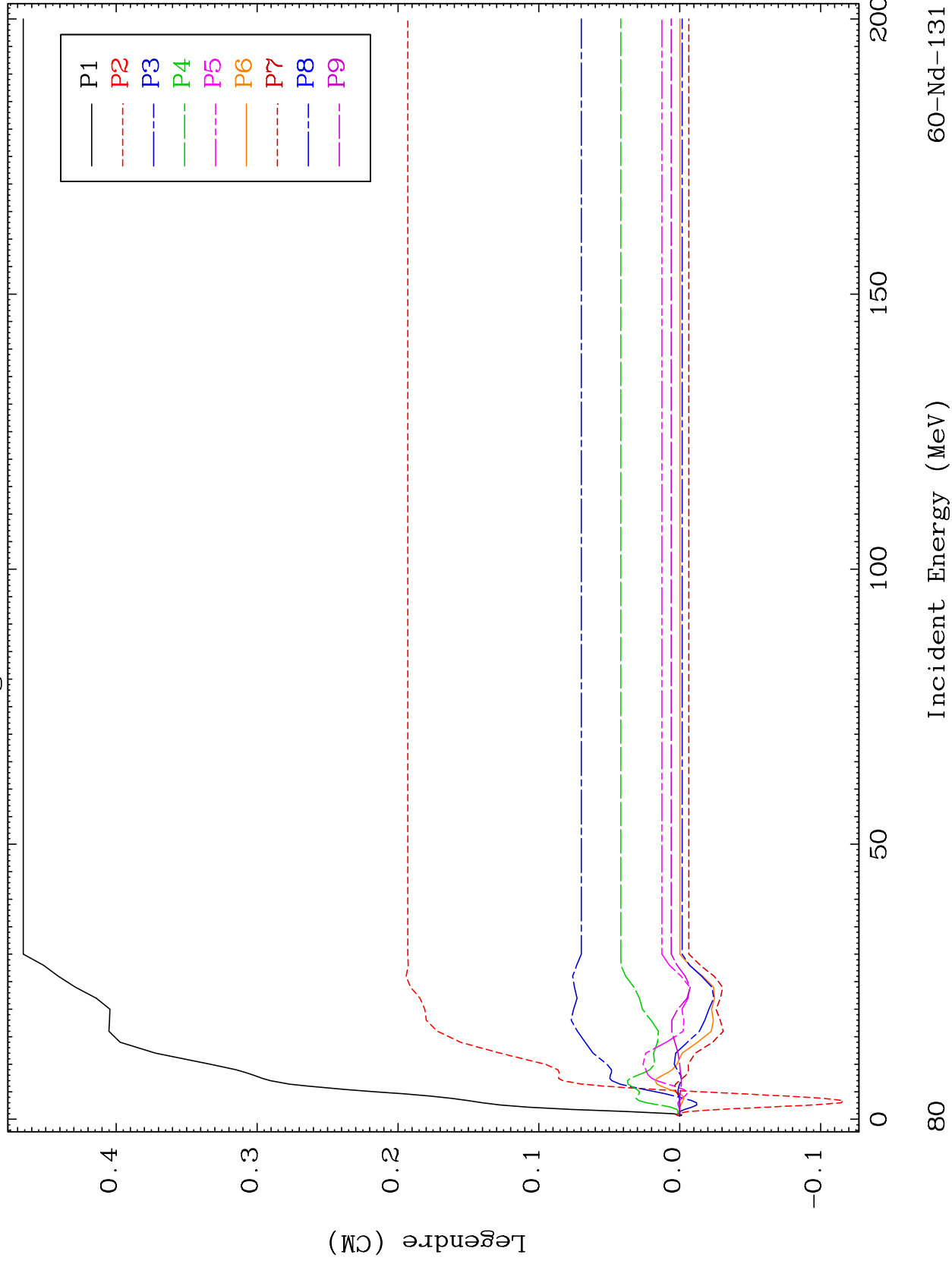




MAT 5992

551.4 keV (n,n') Level  
Legendre Coefficients

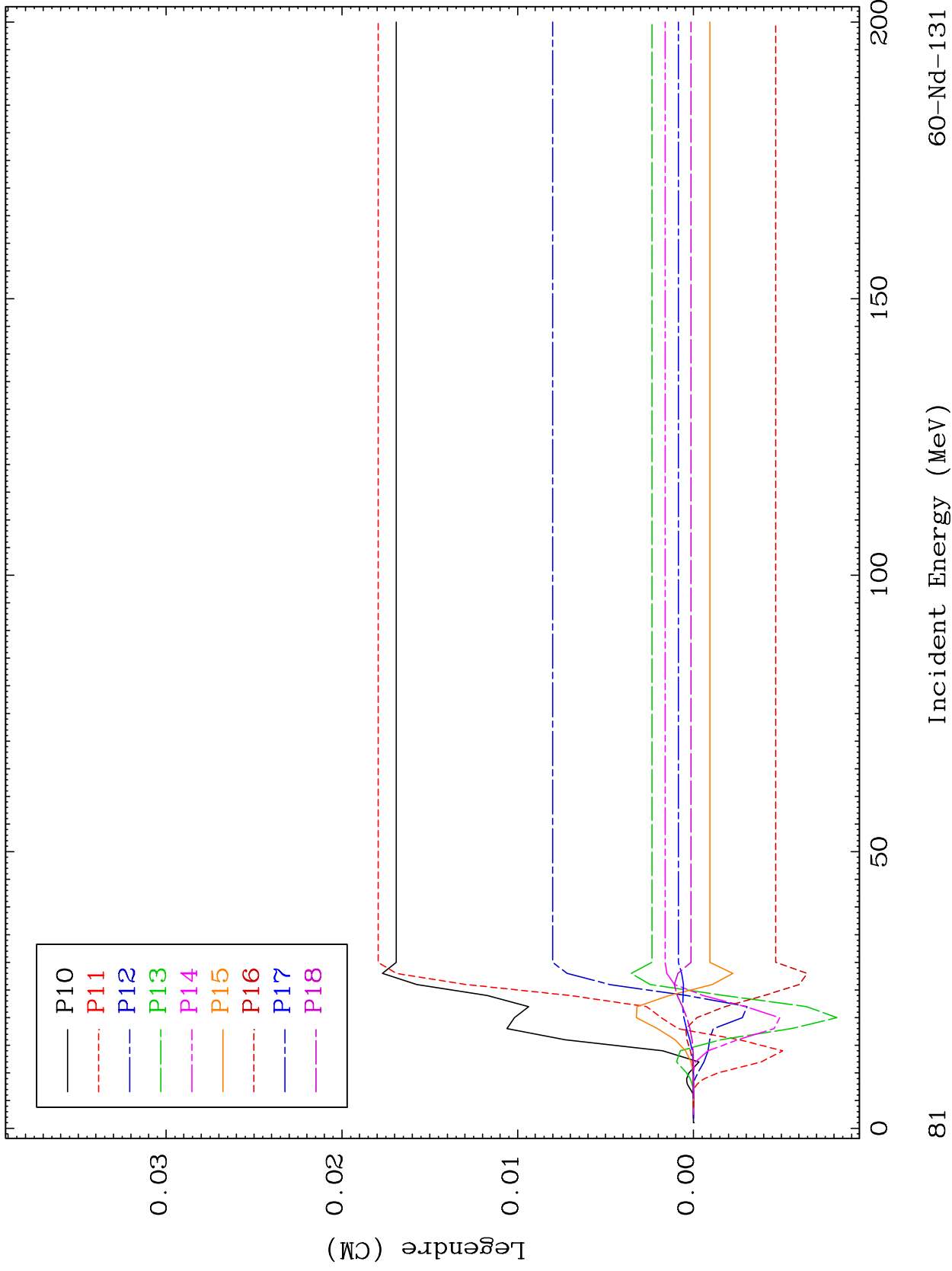
60-Nd-131

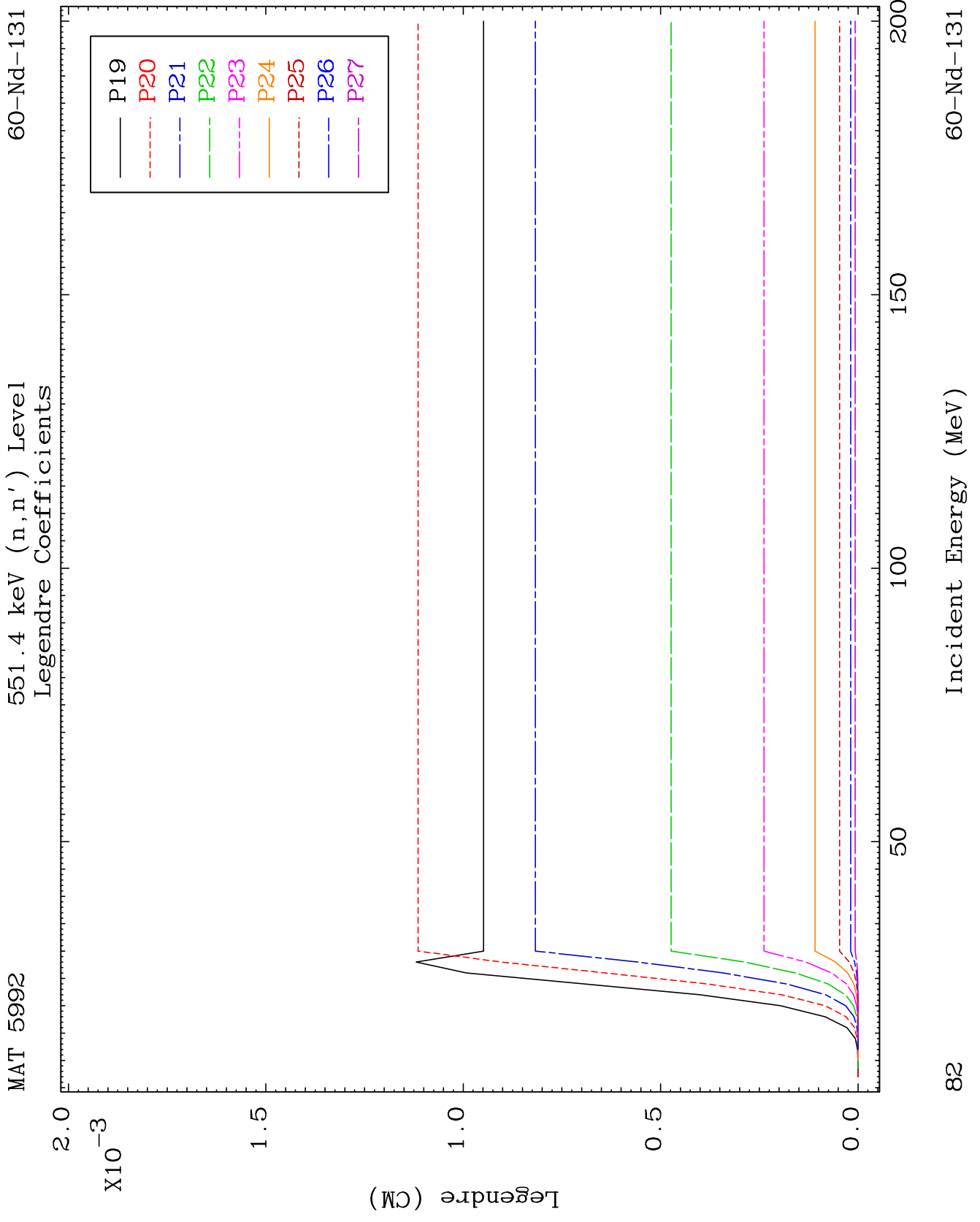


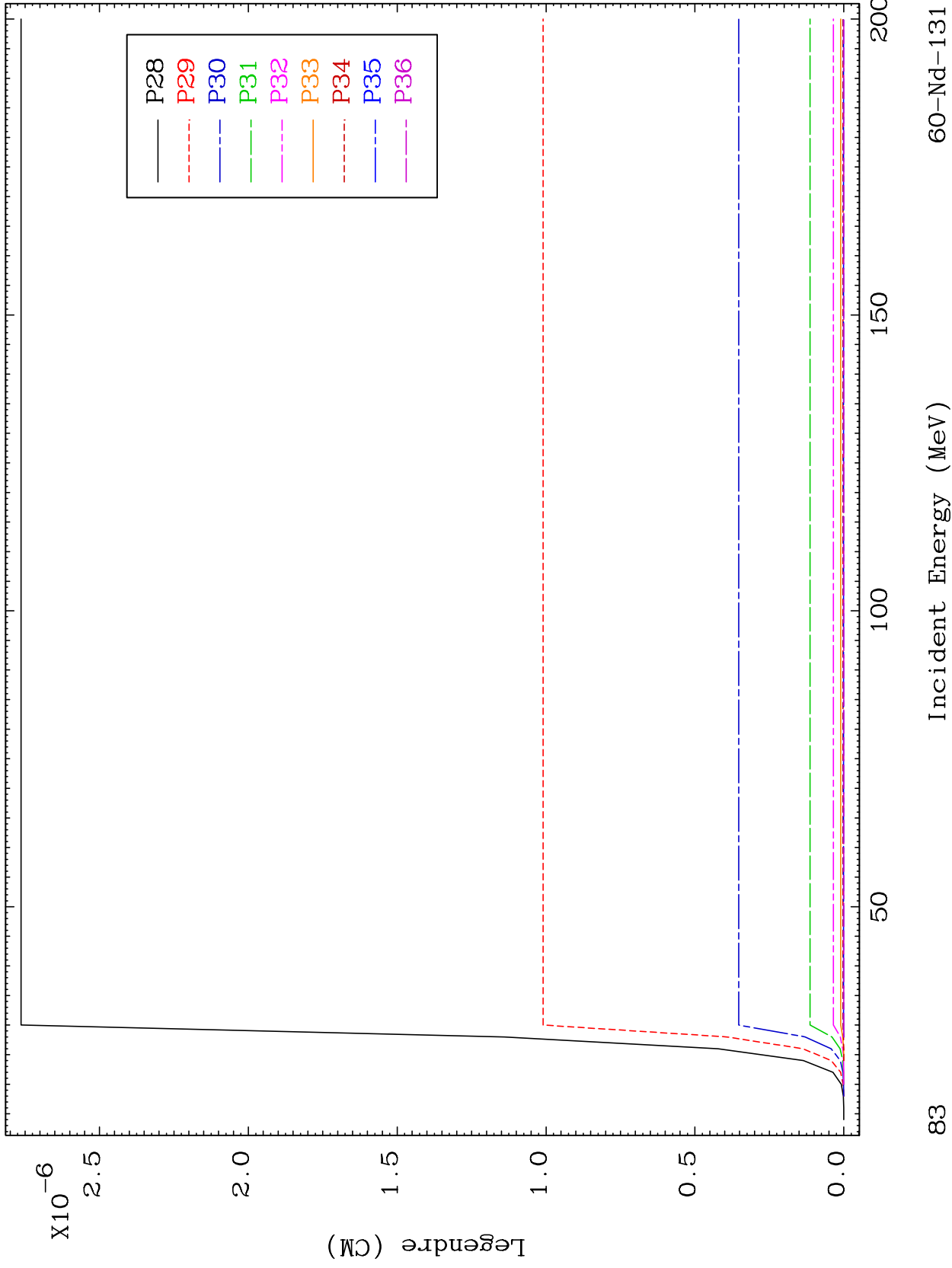
60-Nd-131

Incident Energy (MeV)

80





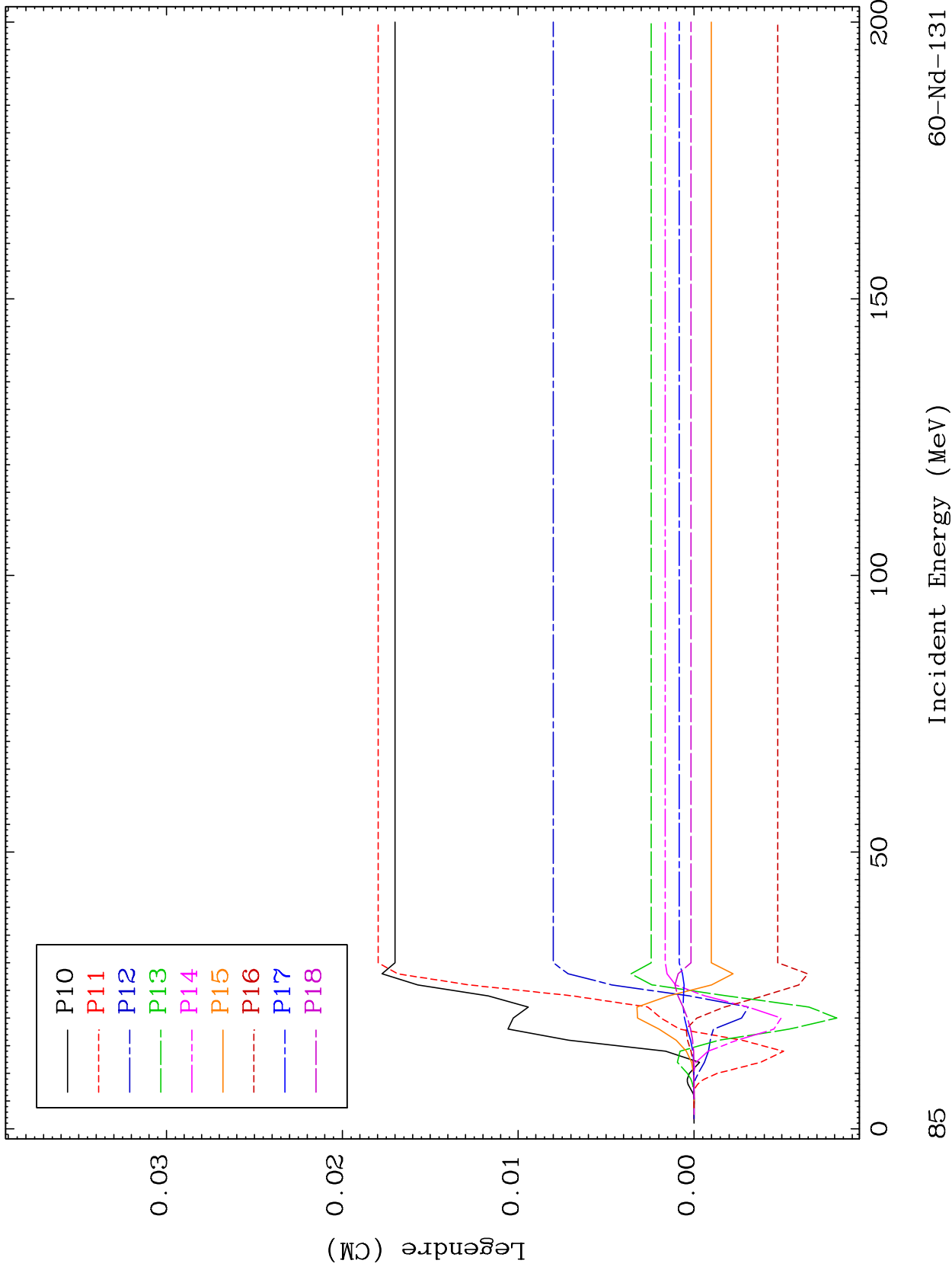




MAT 5992

666.1 keV (n,n') Level  
Legendre Coefficients

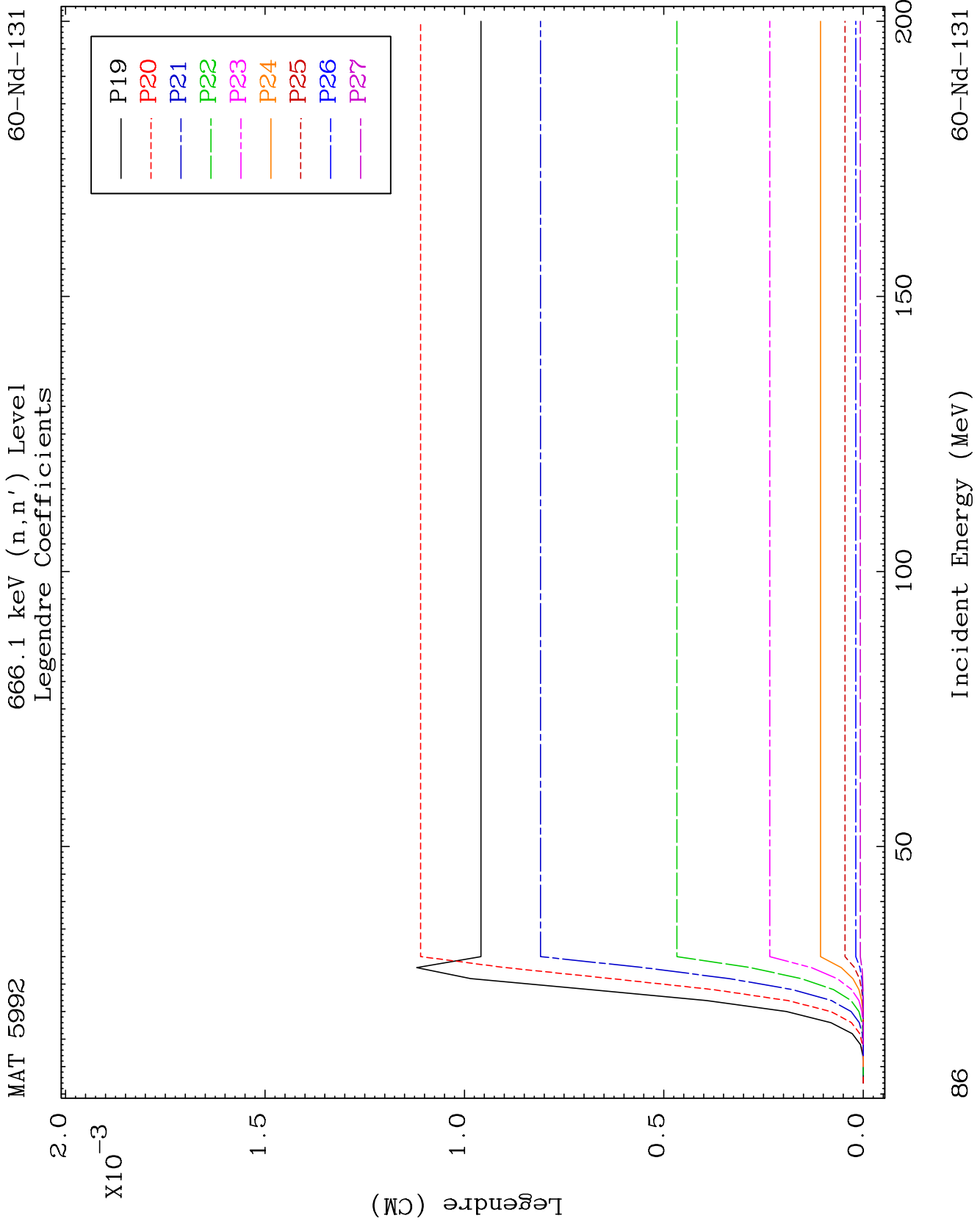
60-Nd-131

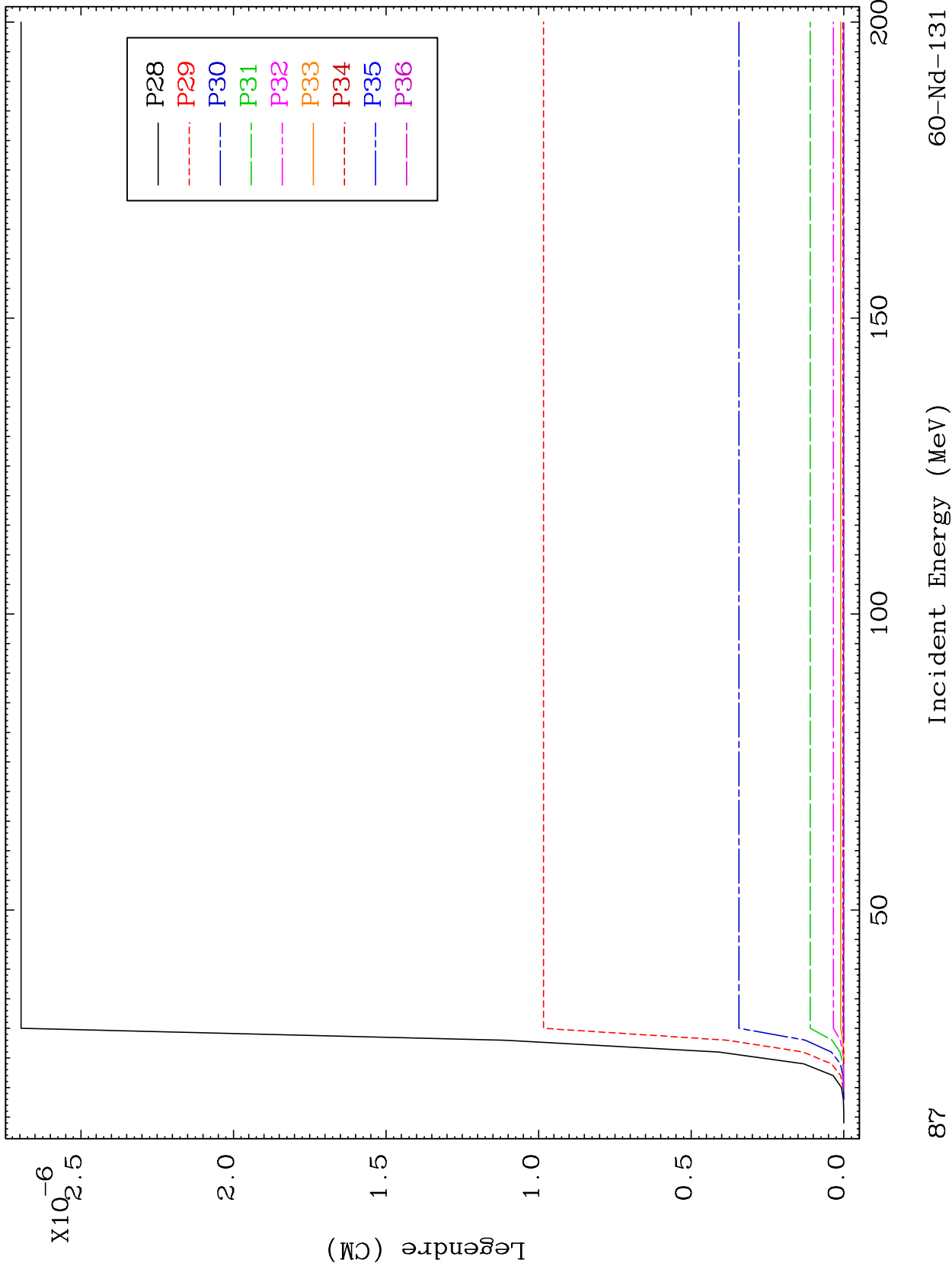


60-Nd-131

Incident Energy (MeV)

85



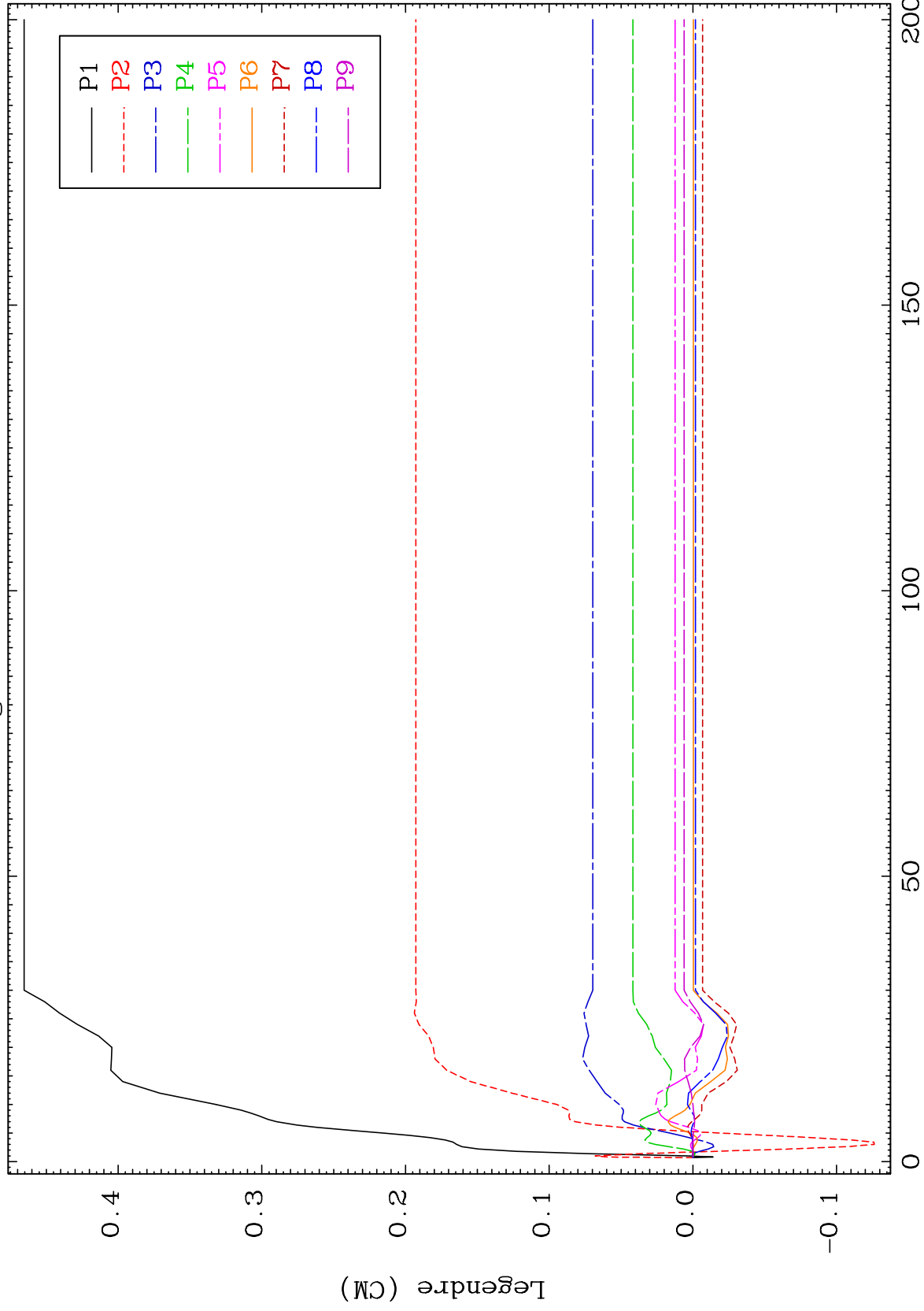




MAT 5992

676.9 keV (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

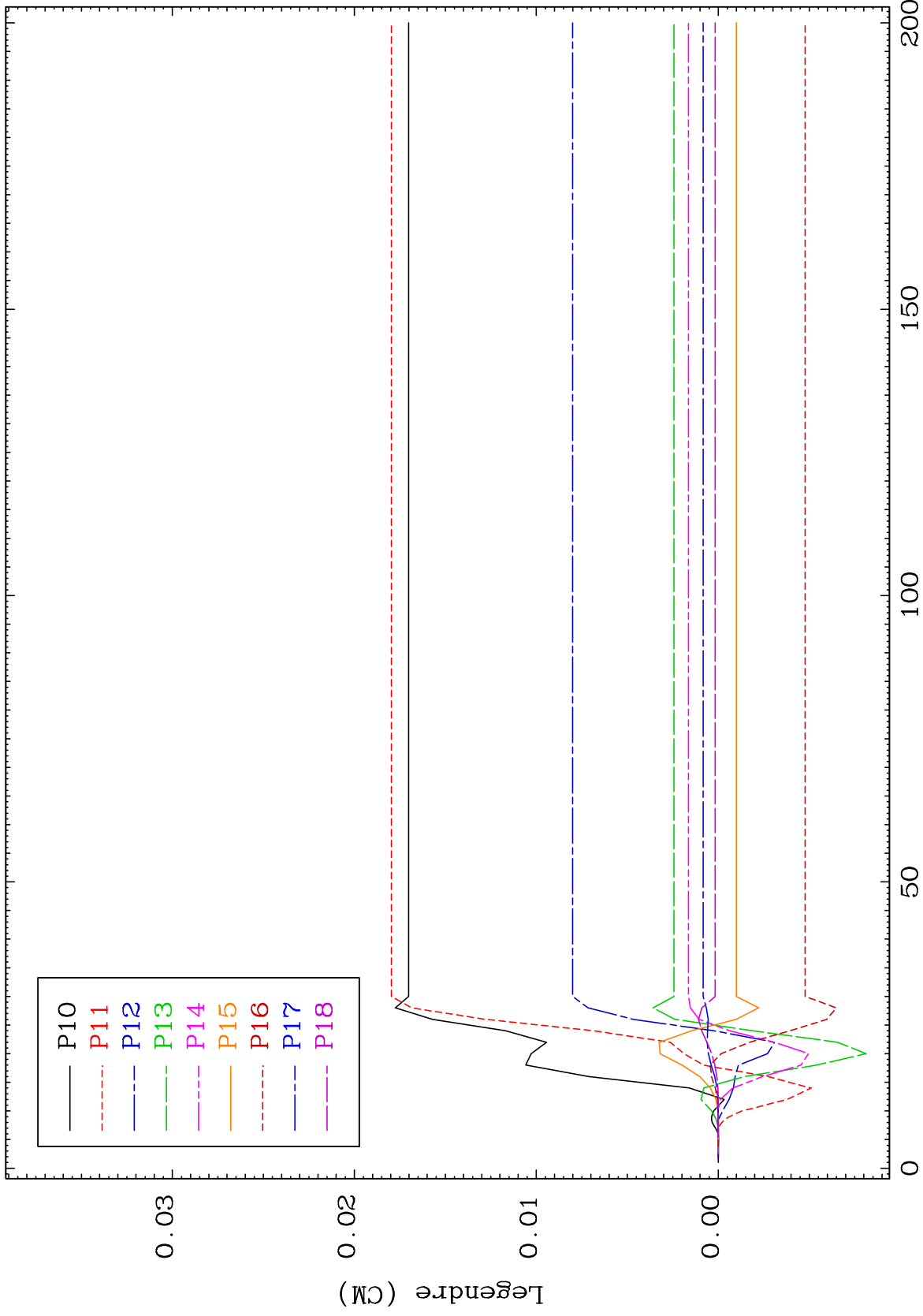
Incident Energy (MeV)

88

MAT 5992

676.9 keV (n, n') Level  
Legendre Coefficients

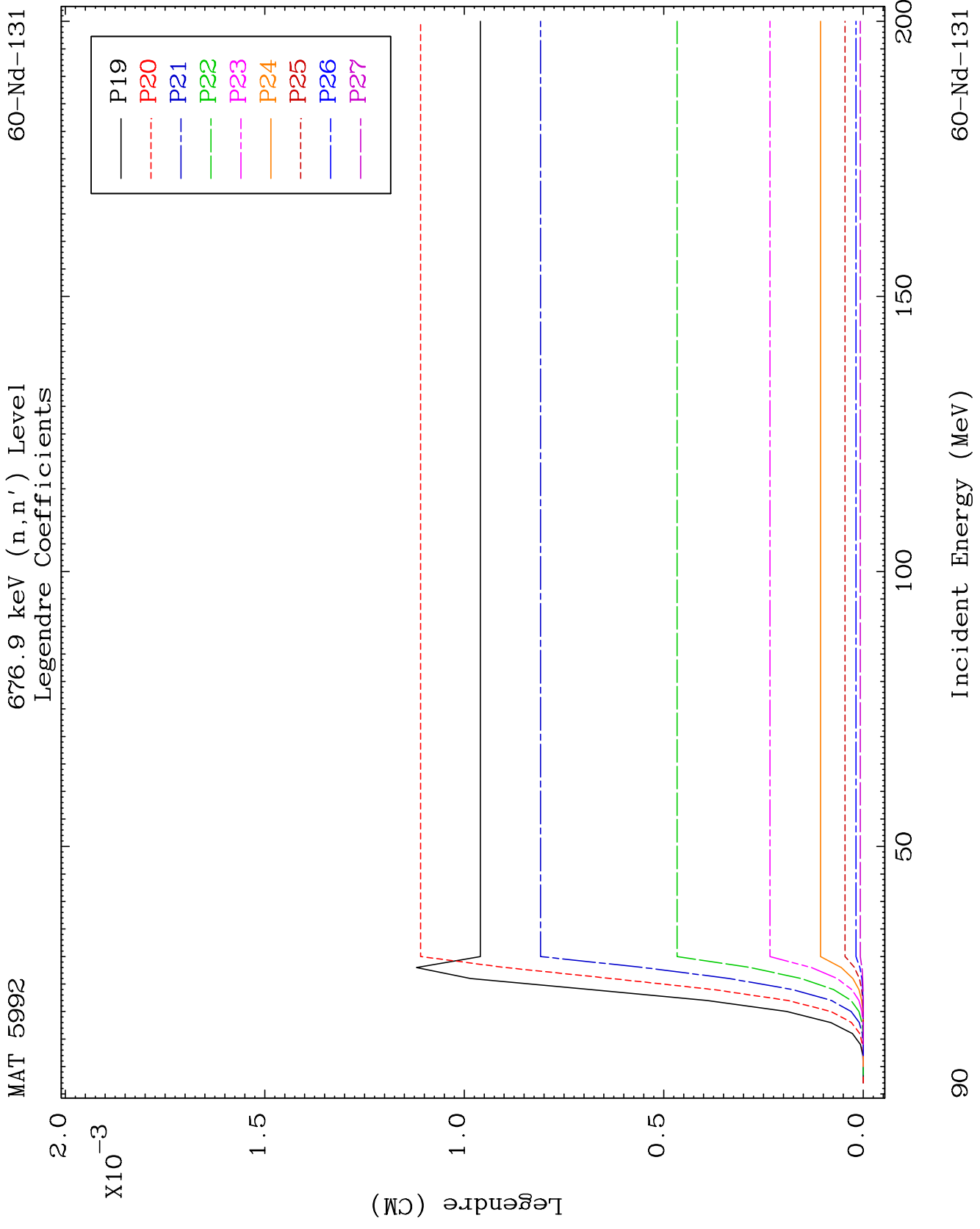
60-Nd-131



89

Incident Energy (MeV)

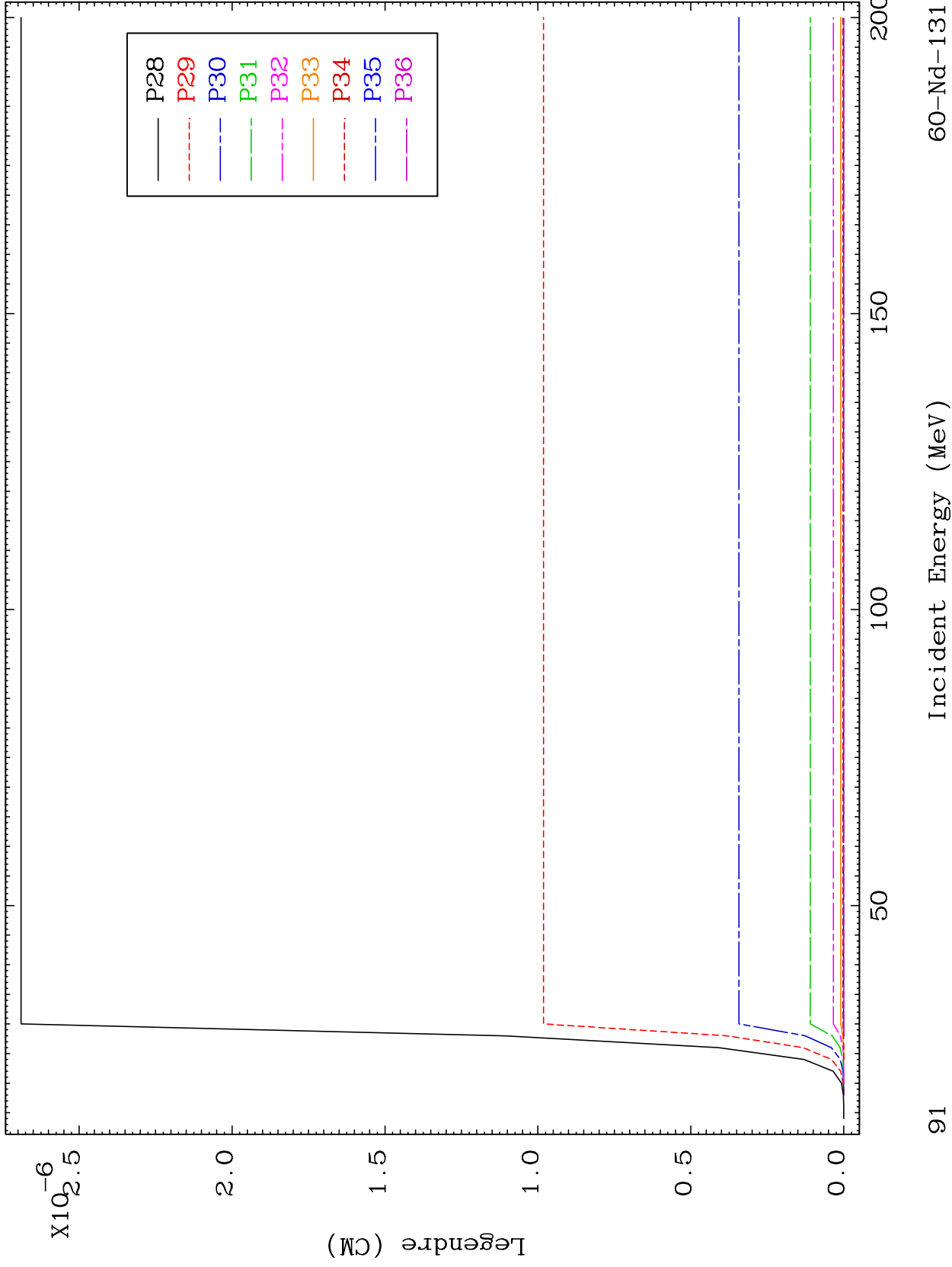
60-Nd-131



MAT 5992

676.9 keV (n, n') Level  
Legendre Coefficients

60-Nd-131



91

Incident Energy (MeV)

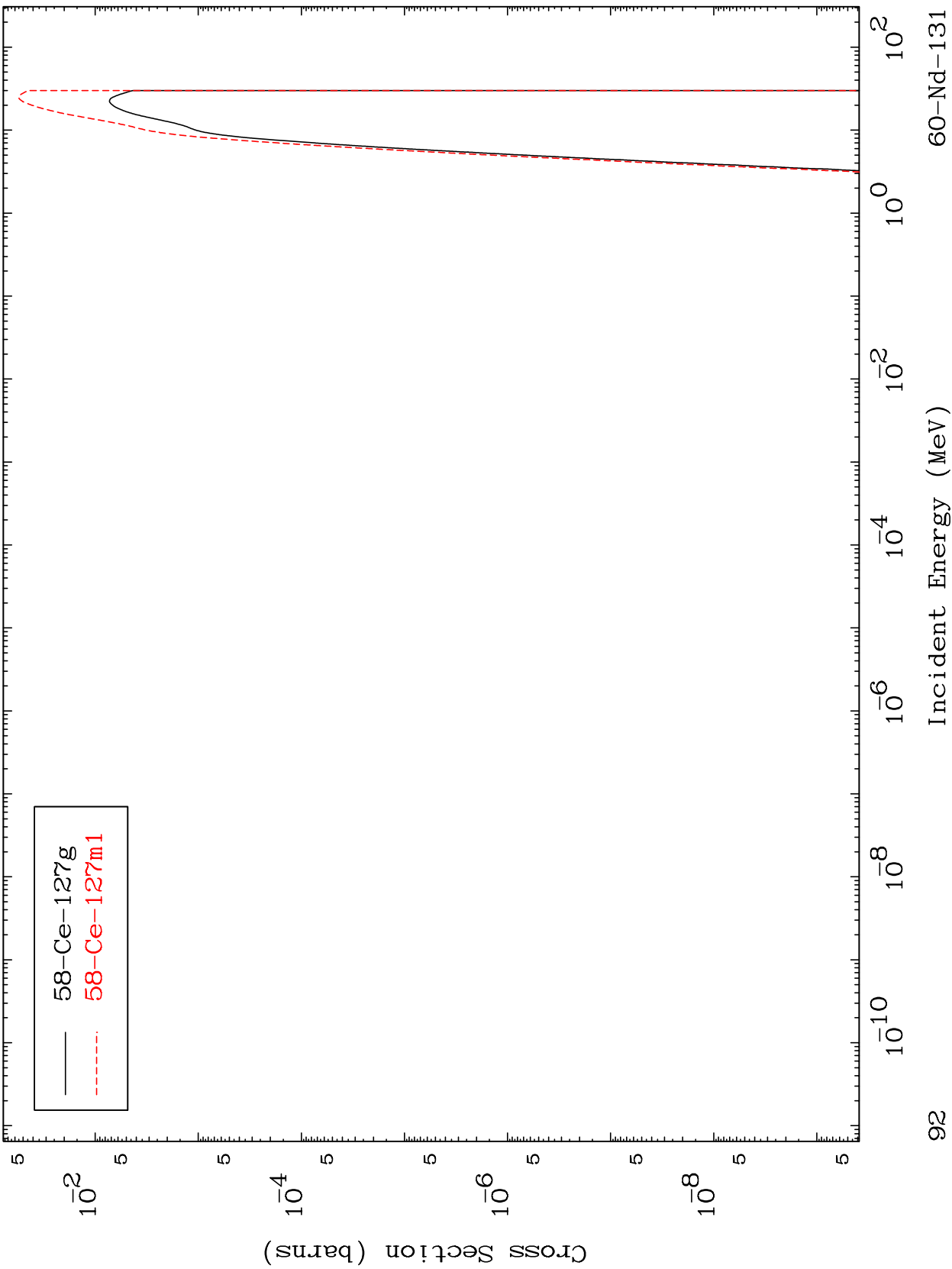
60-Nd-131

MAT 5992

$(n, n')$   $\alpha$

$^{60}\text{Nd-131}$

Radionuclide Production Cross Section



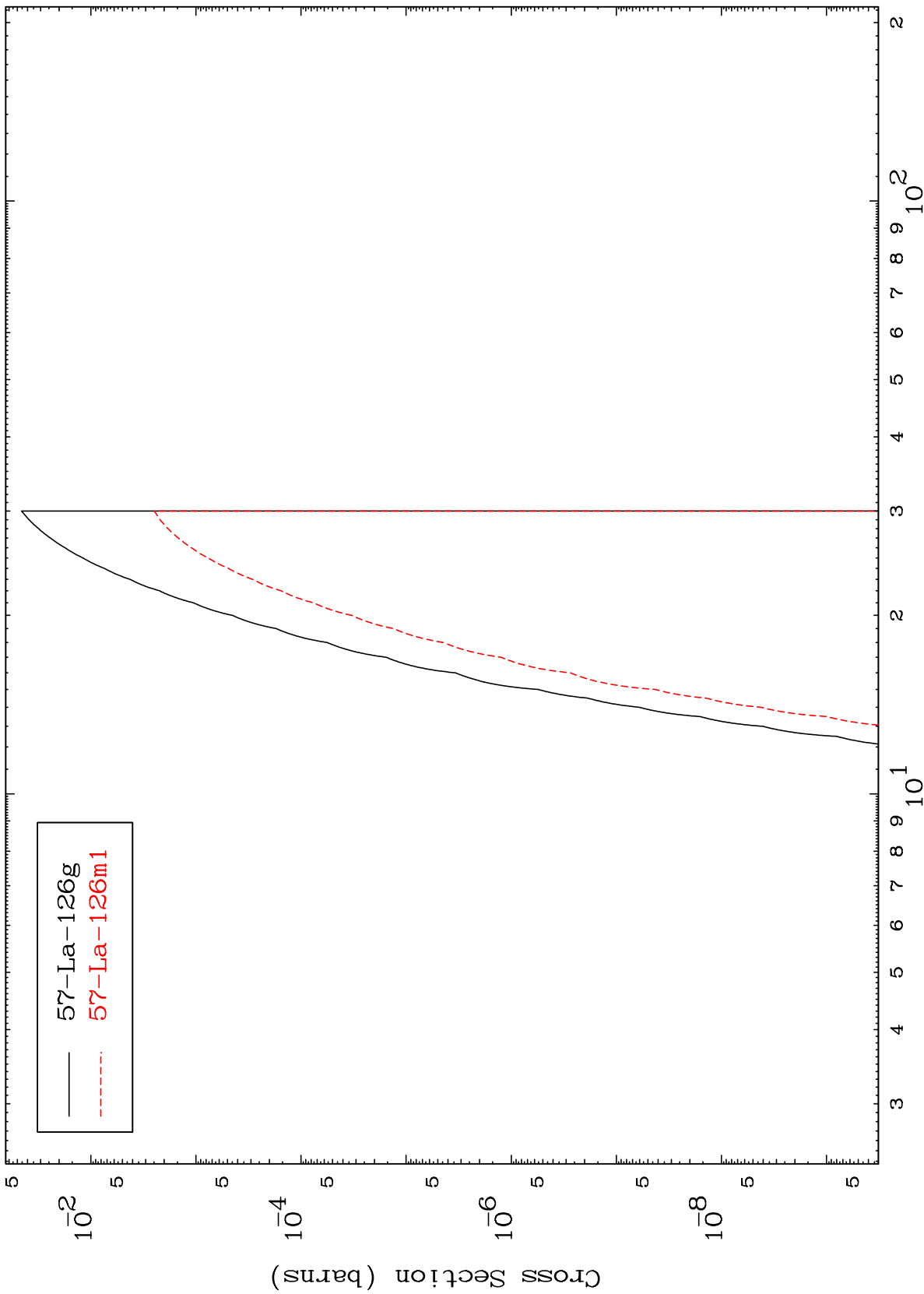
58-Ce-127g  
58-Ce-127m1

MAT 5992

(n,n') p  $\alpha$

60-Nd-131

Radionuclide Production Cross Section

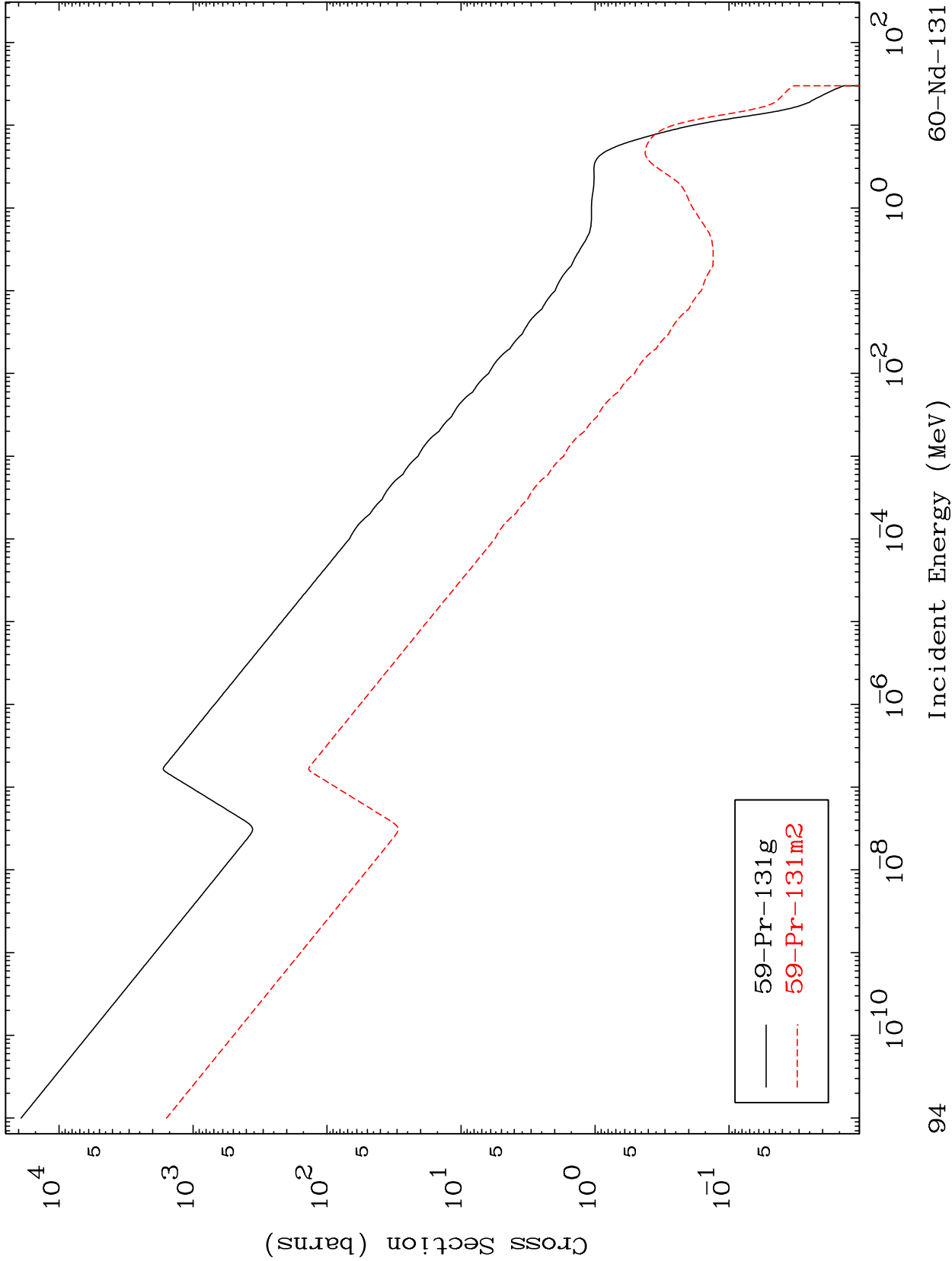


57-La-126g  
57-La-126m1

MAT 5992

60-Nd-131

(n,p)  
Radionuclide Production Cross Section

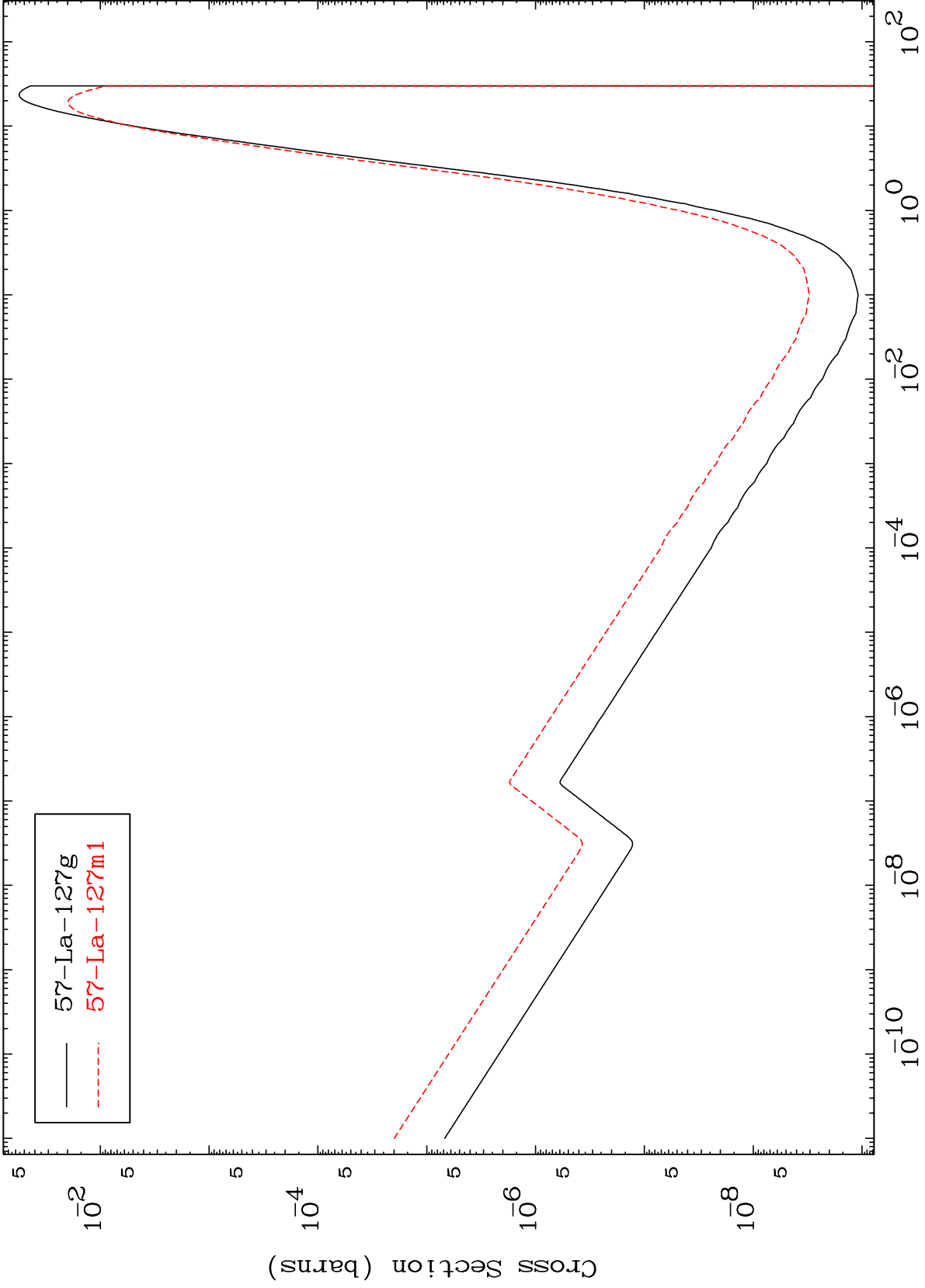


MAT 5992

(n,p)  $\alpha$

60-Nd-131

Radionuclide Production Cross Section



95

Incident Energy (MeV)

60-Nd-131

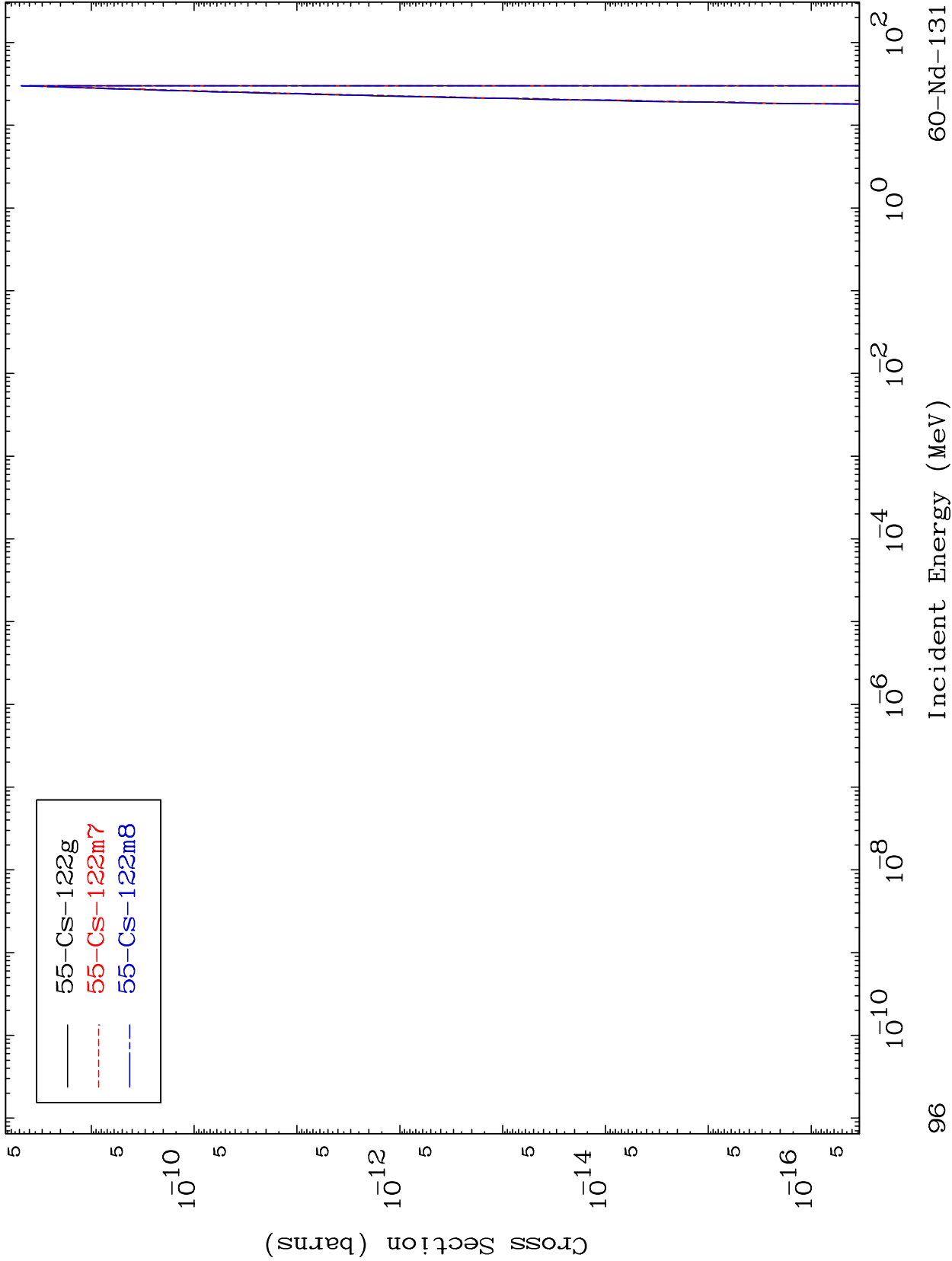


MAT 5992

(n,d)  $2\alpha$

60-Nd-131

Radionuclide Production Cross Section

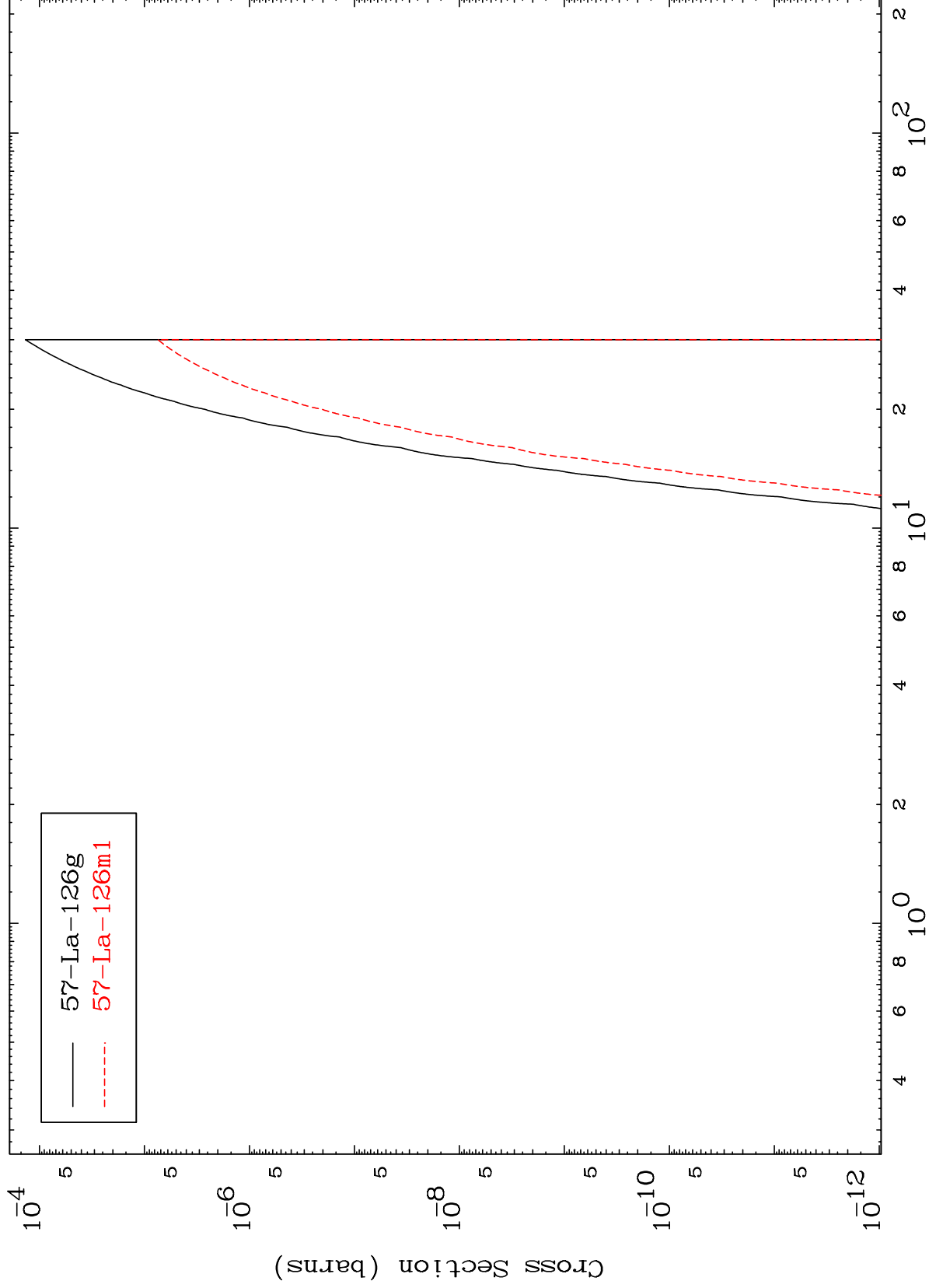


MAT 5992

(n,d)  $\alpha$

60-Nd-131

Radionuclide Production Cross Section



97

Incident Energy (MeV)

60-Nd-131