

Program EVALPLOT
(Version 2015-2)

by

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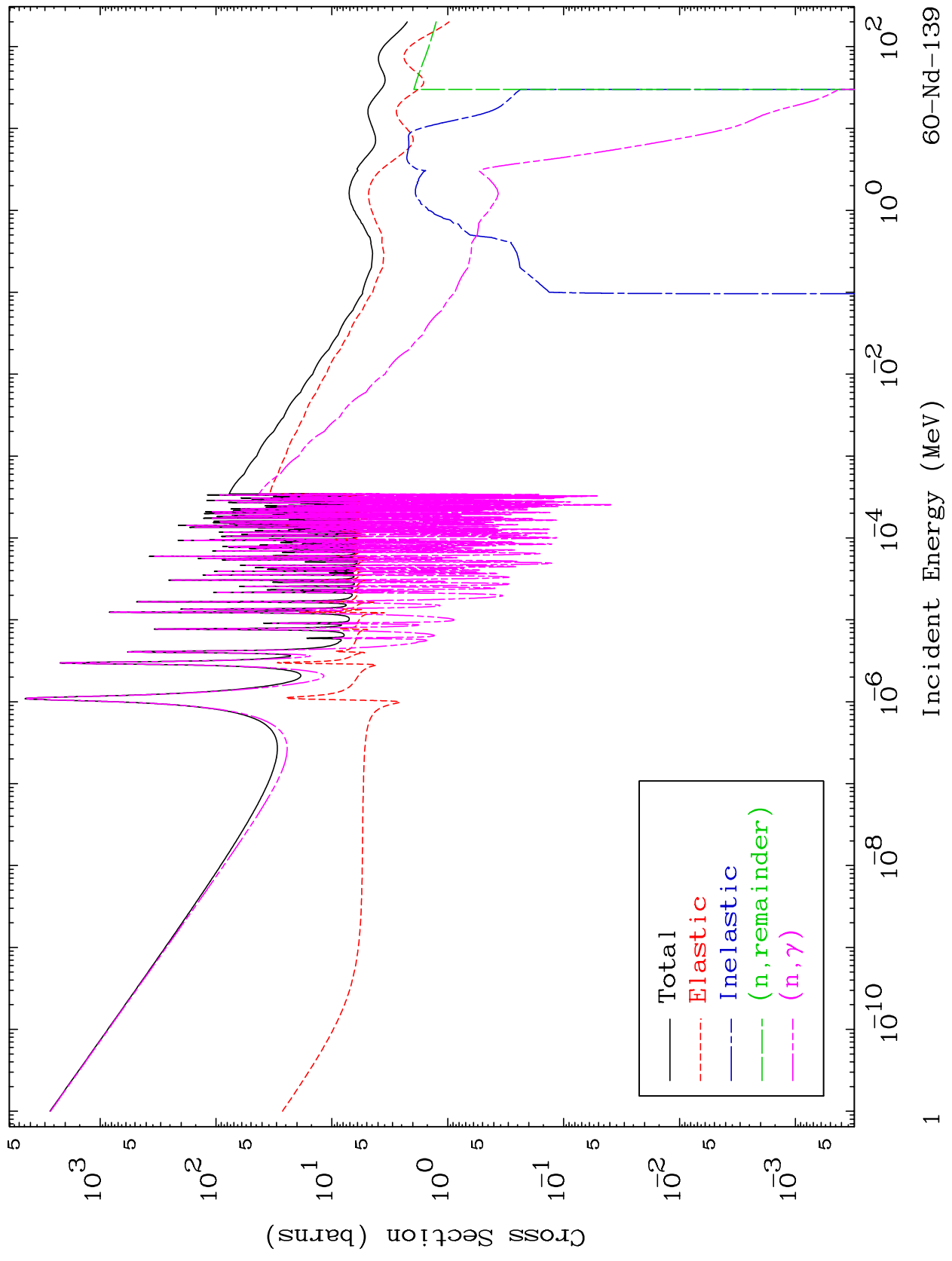
Press Mouse Button to Start

MAT 6016

Major

293 Kelvin Cross Sections

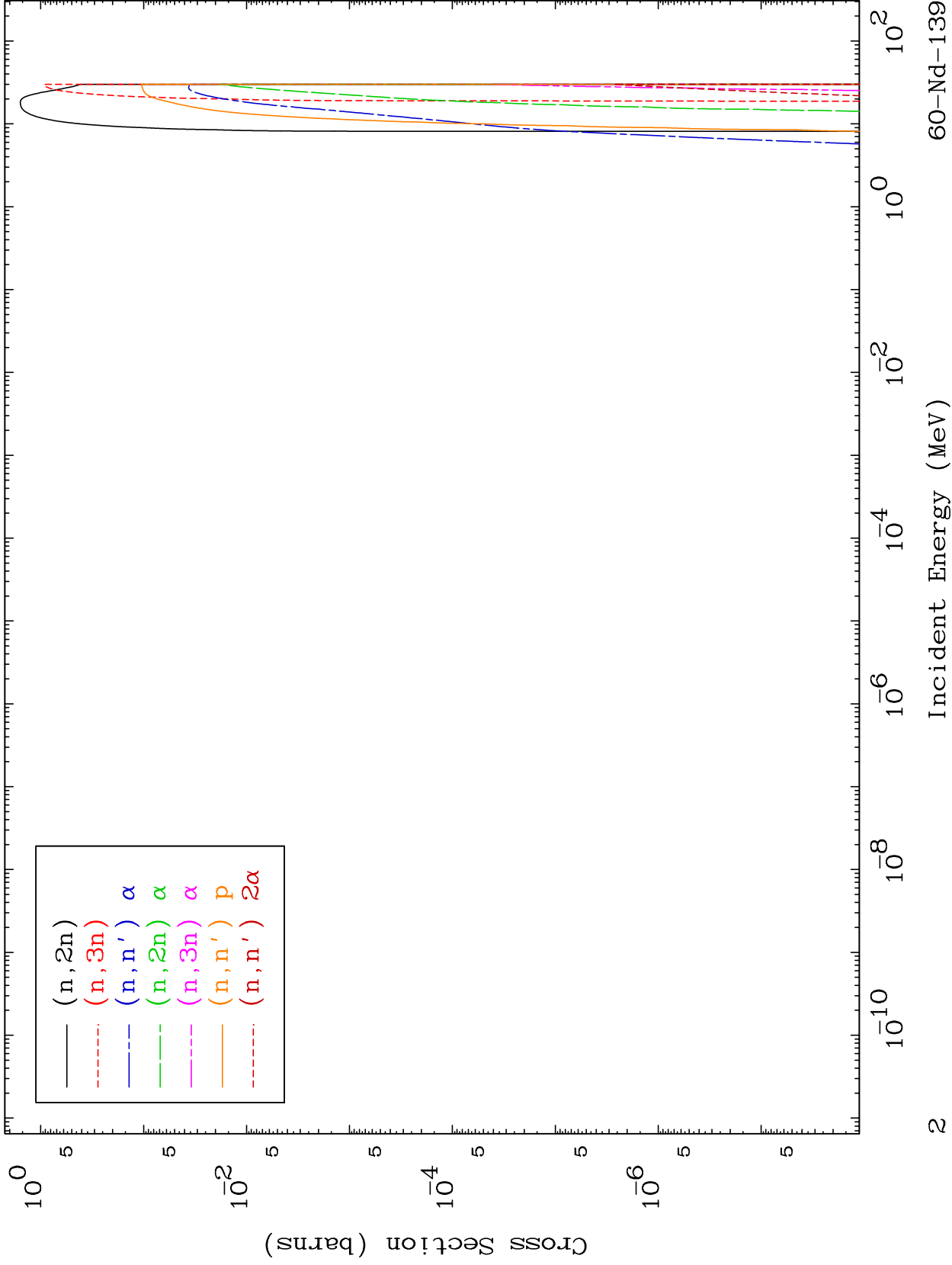
60-Nd-139

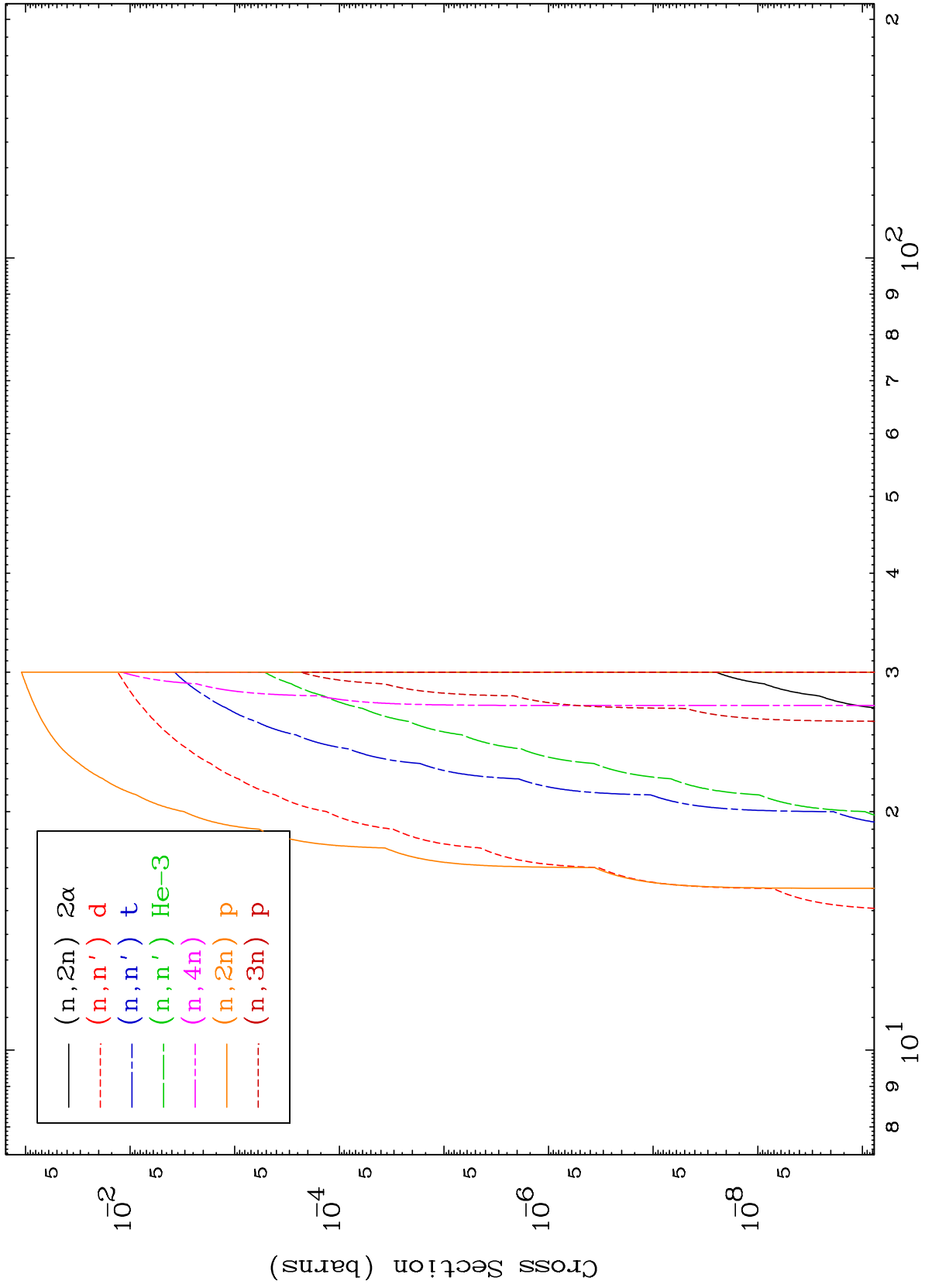


MAT 6016

Neutron Production
293 Kelvin Cross Sections

60-Nd-139

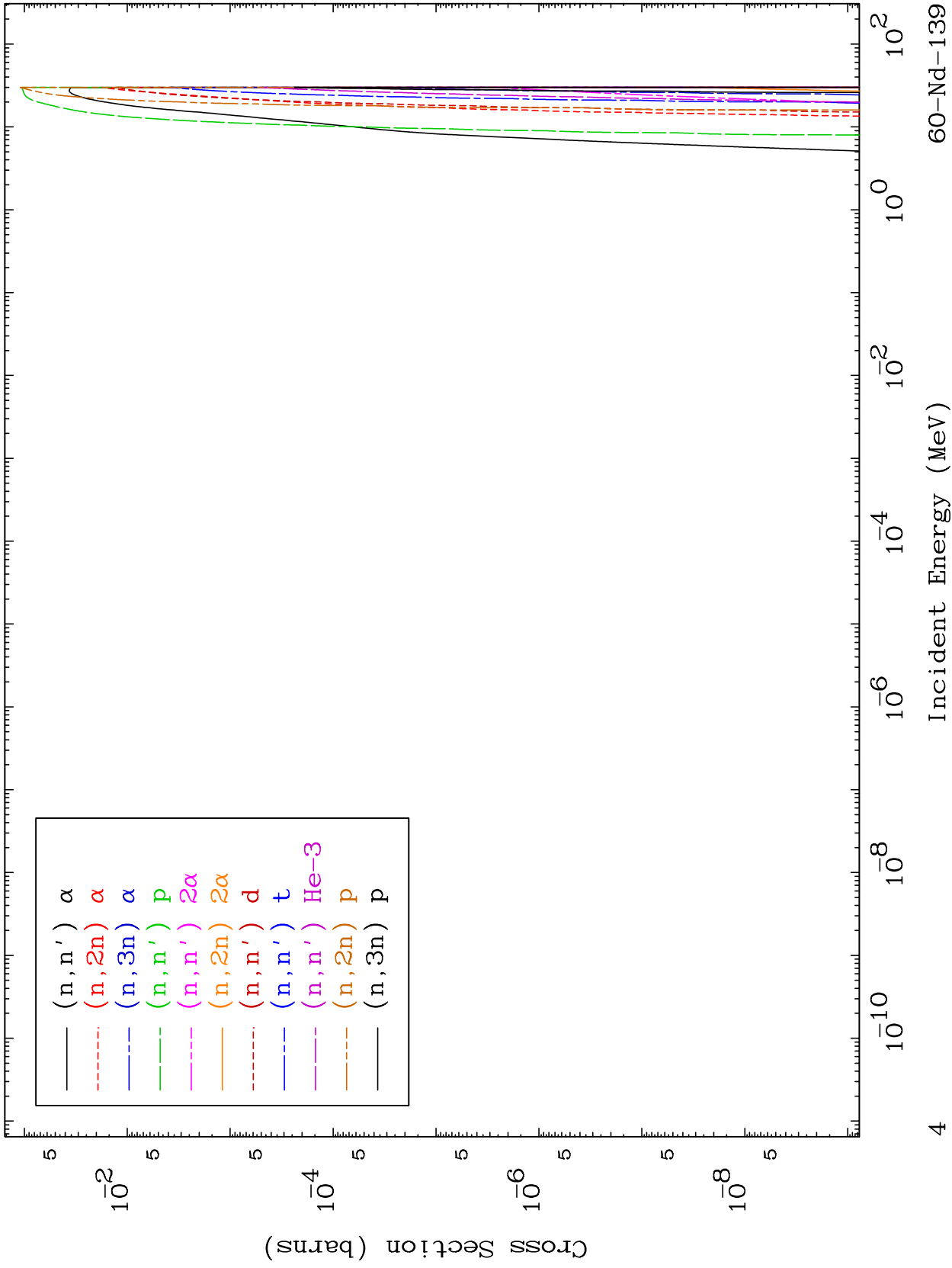




MAT 6016

Charged Particle
293 Kelvin Cross Sections

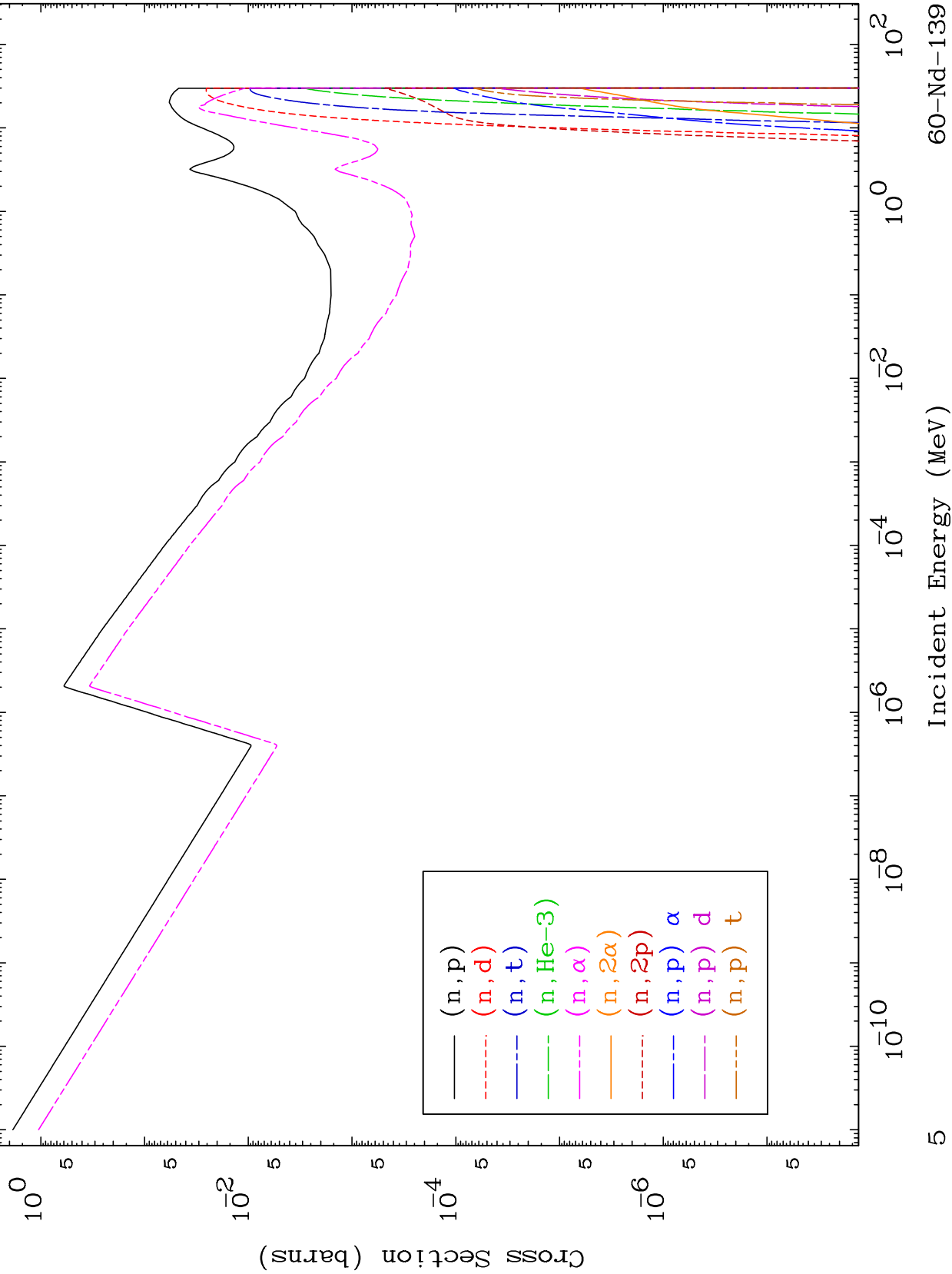
60-Nd-139



MAT 6016

Charged Particle
293 Kelvin Cross Sections

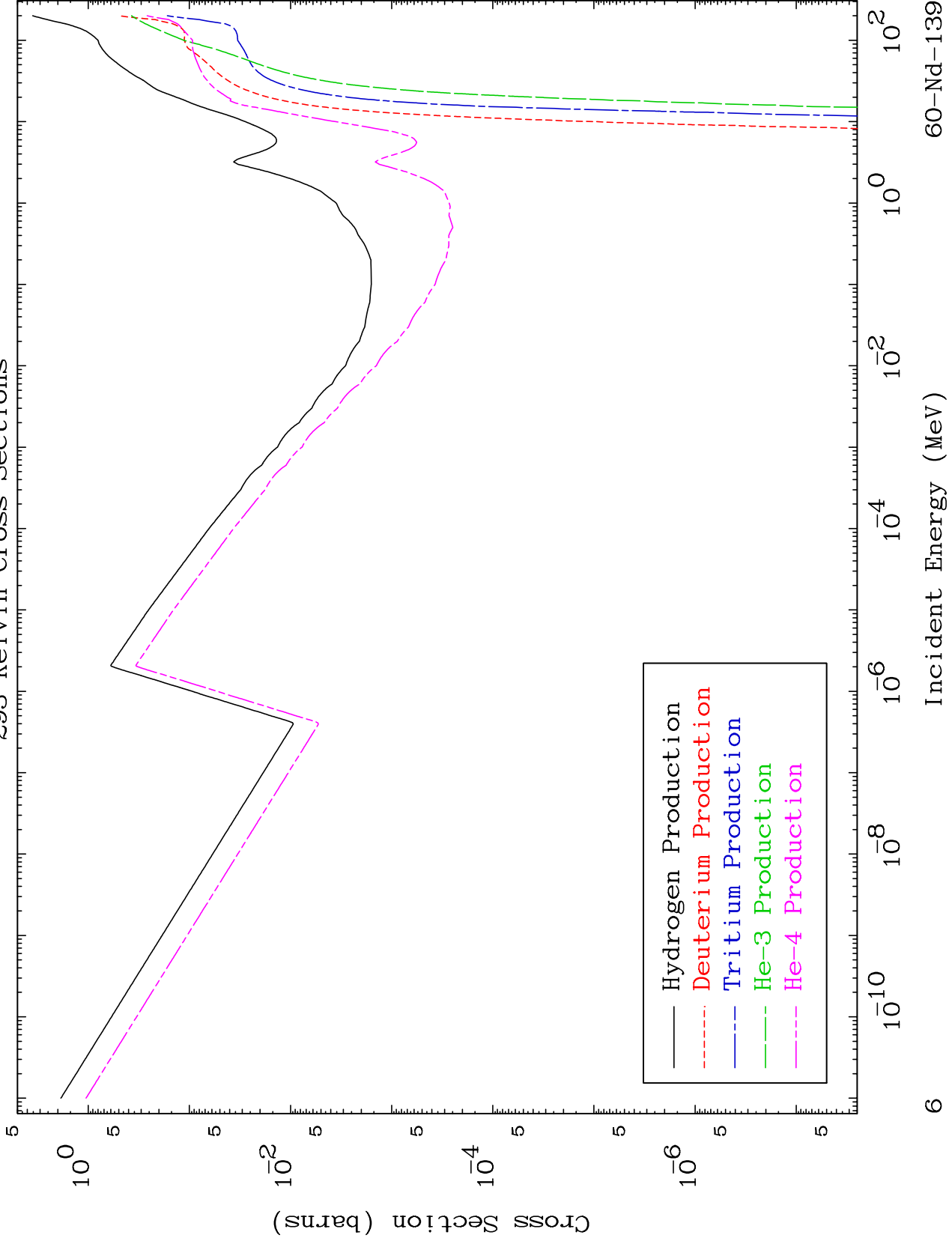
60-Nd-139



MAT 6016

Particle Production
293 Kelvin Cross Sections

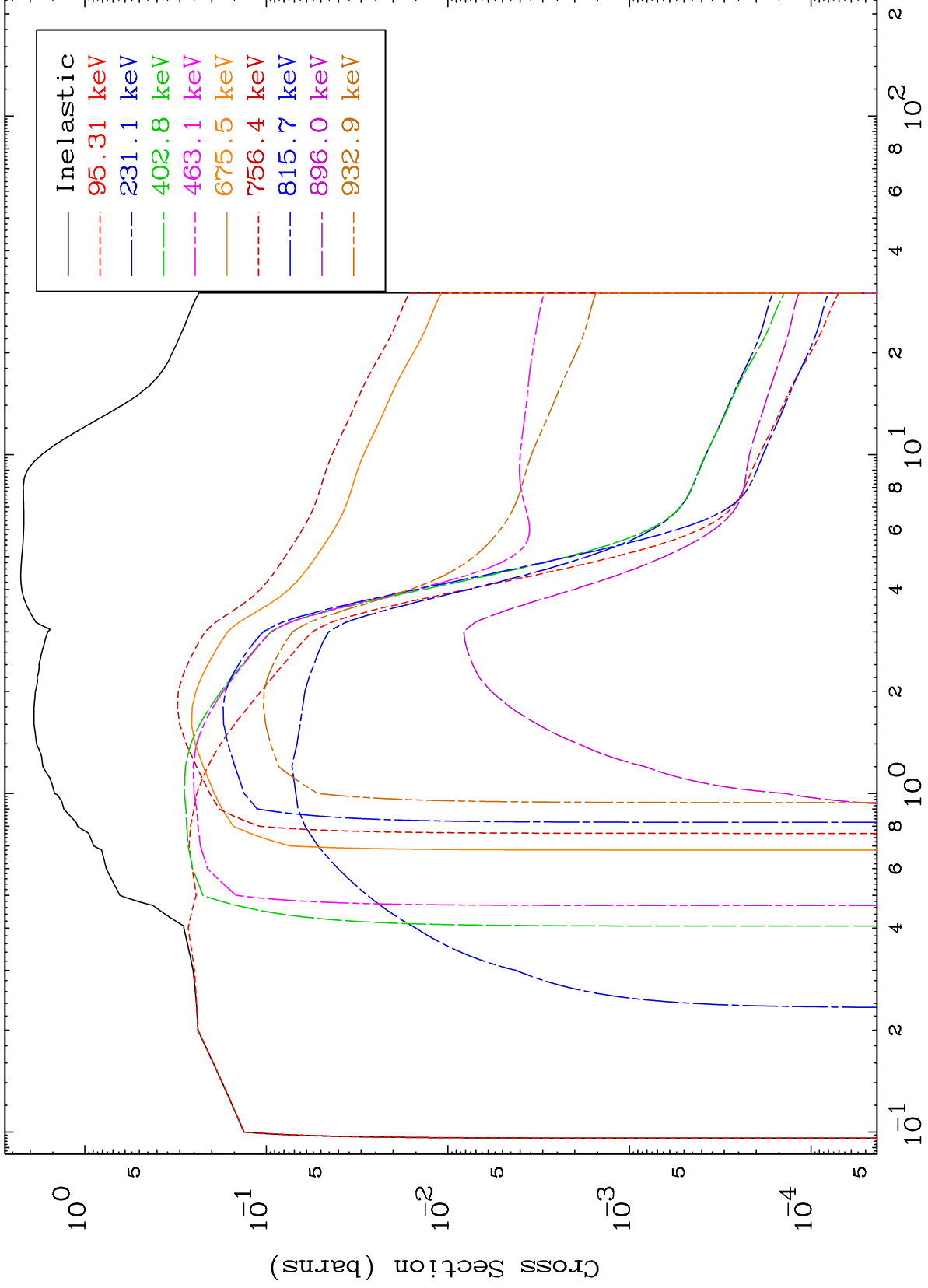
60-Nd-139



MAT 6016

(n,n') Level
293 Kelvin Cross Sections

60-Nd-139



Incident Energy (MeV)

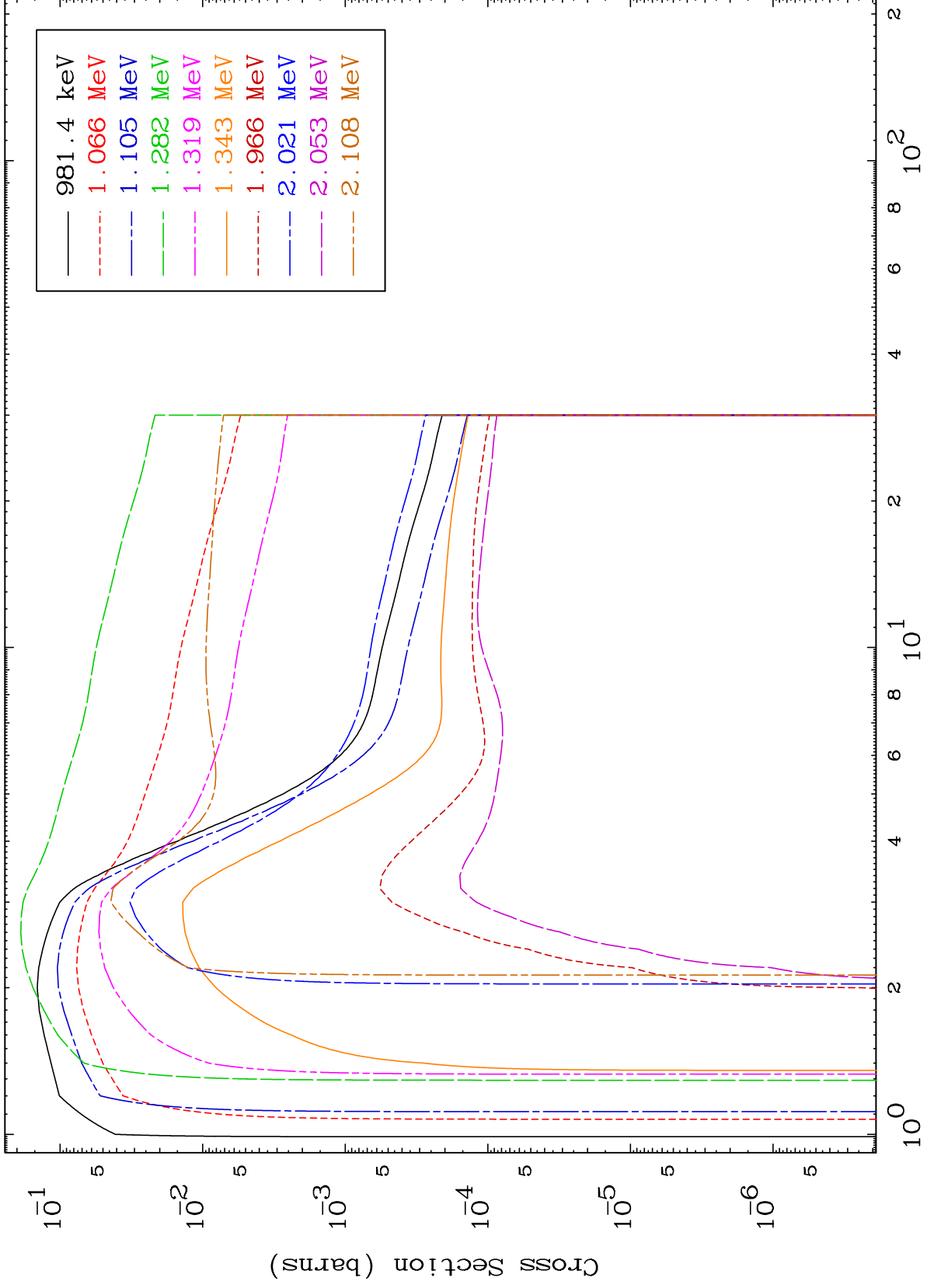
60-Nd-139

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MAT 6016

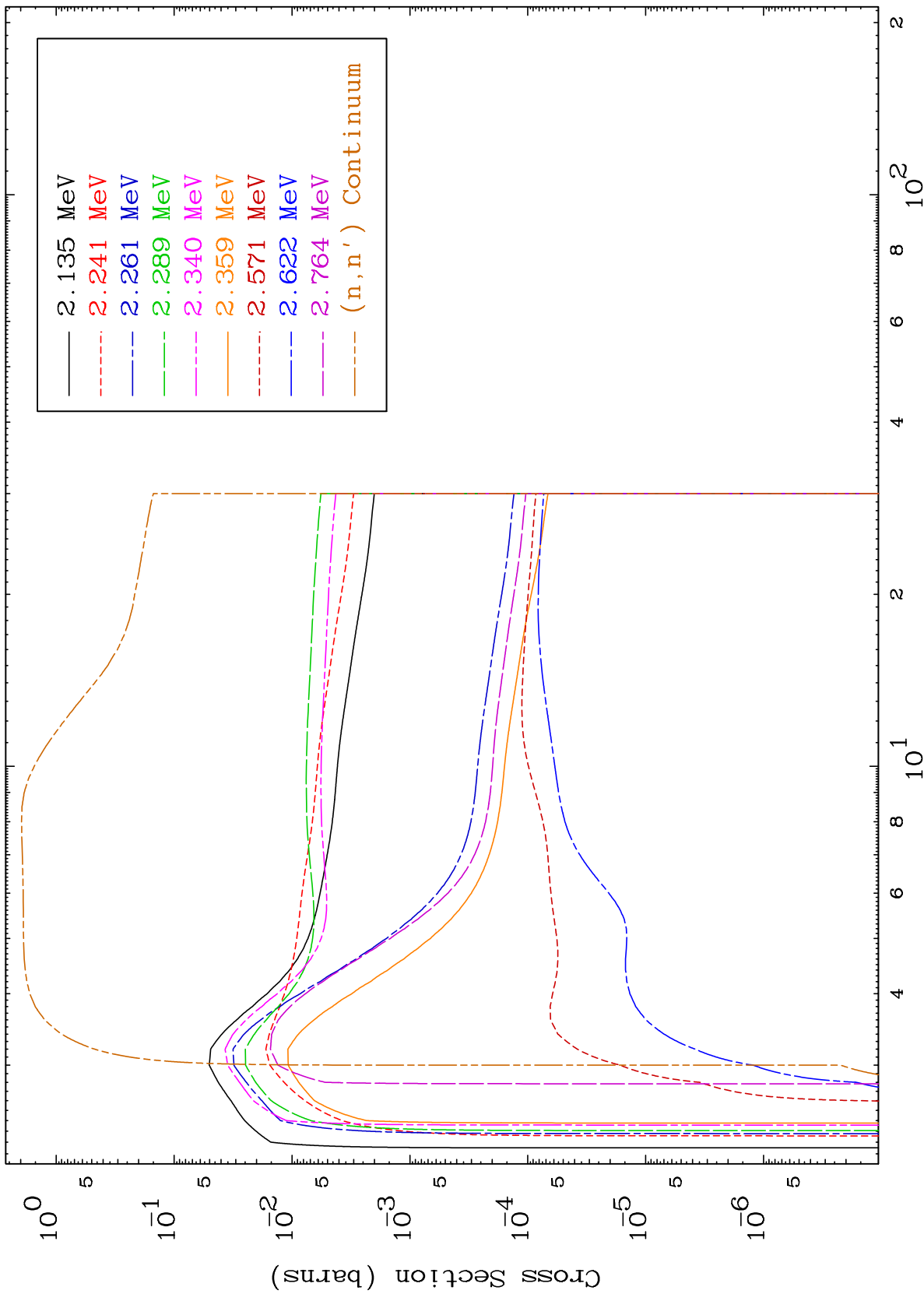
(n,n') Level
293 Kelvin Cross Sections

60-Nd-139



Incident Energy (MeV)

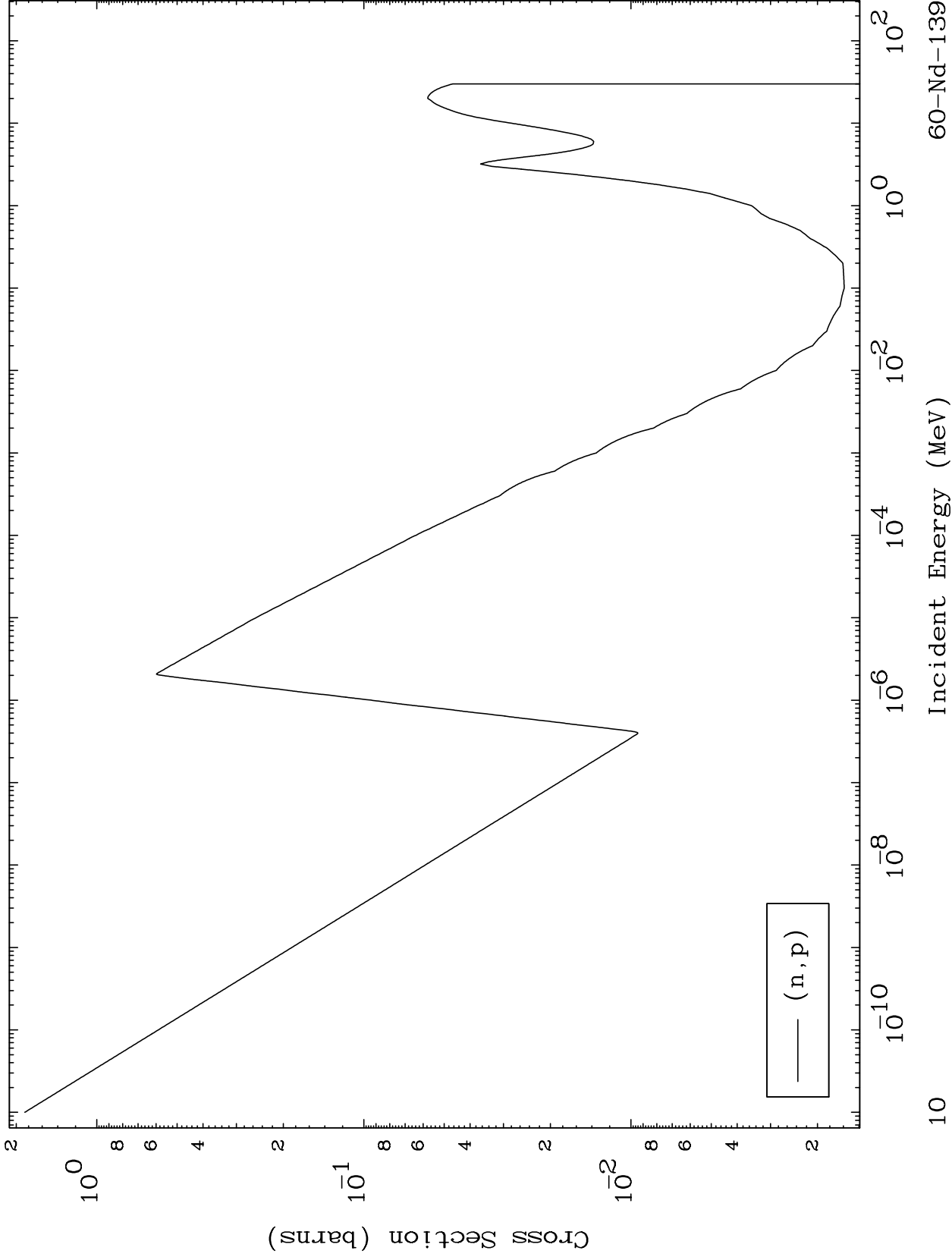
60-Nd-139



MAT 6016

(n,p) Levels
293 Kelvin Cross Sections

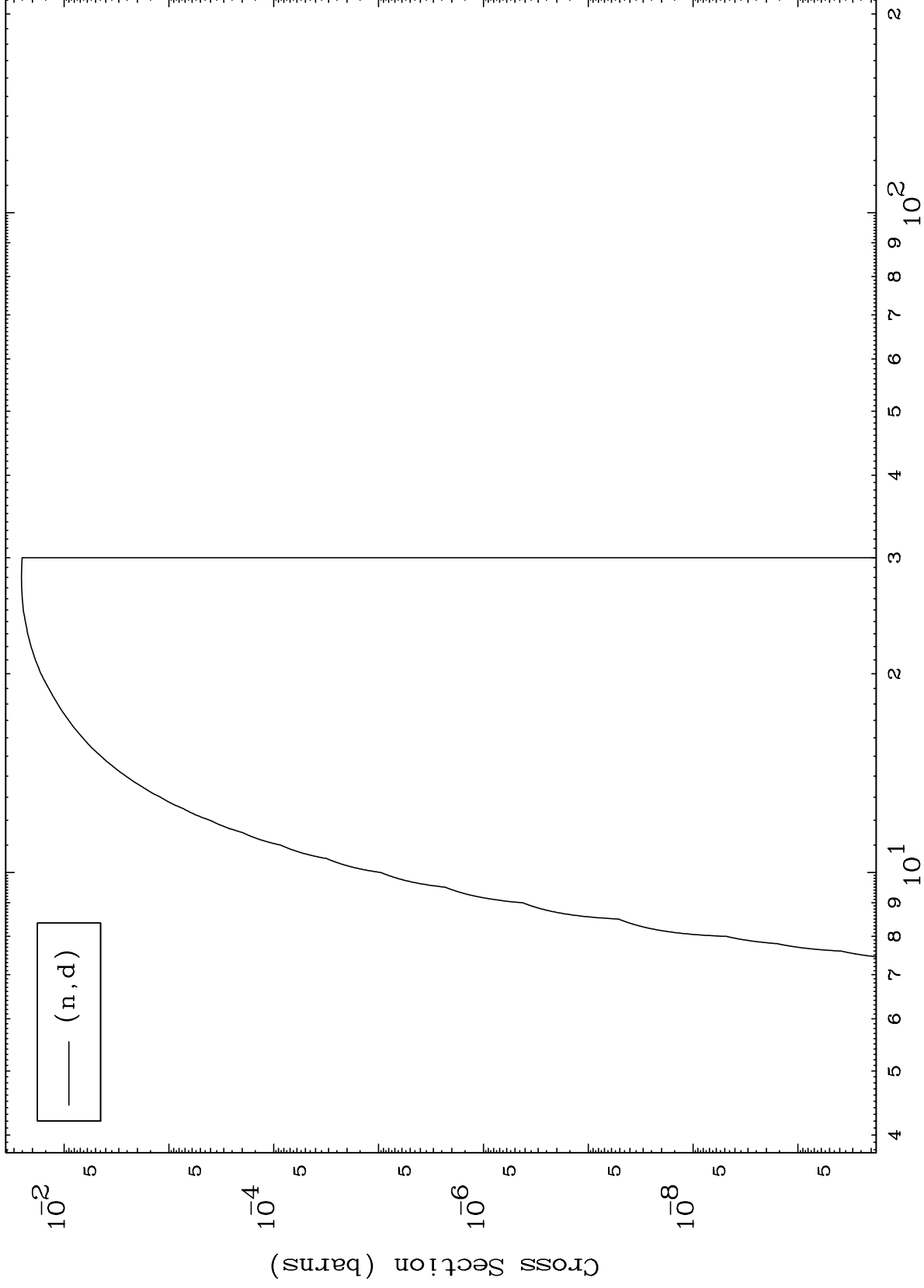
60-Nd-139



MAT 6016

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-139



11

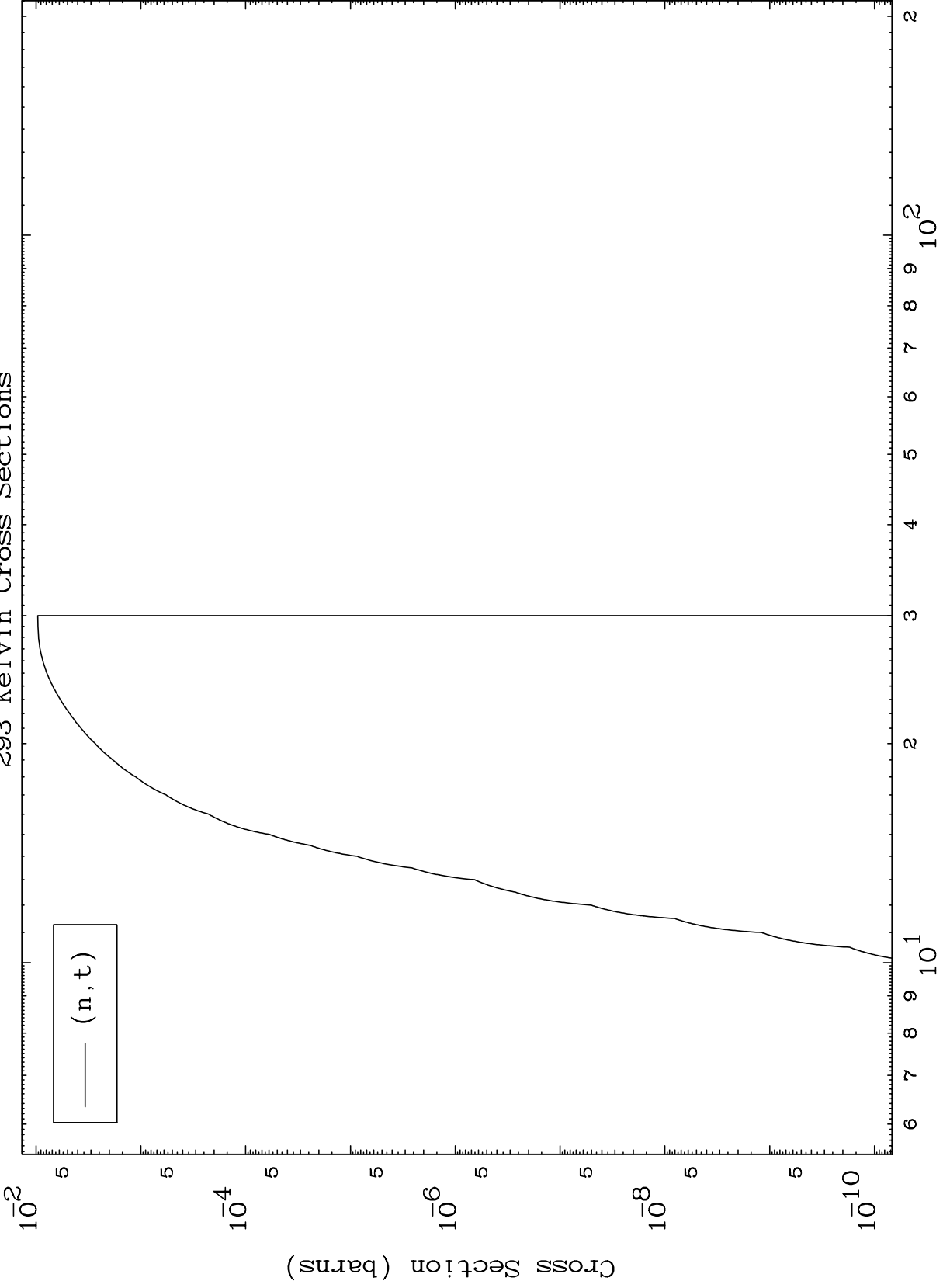
Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-139



12

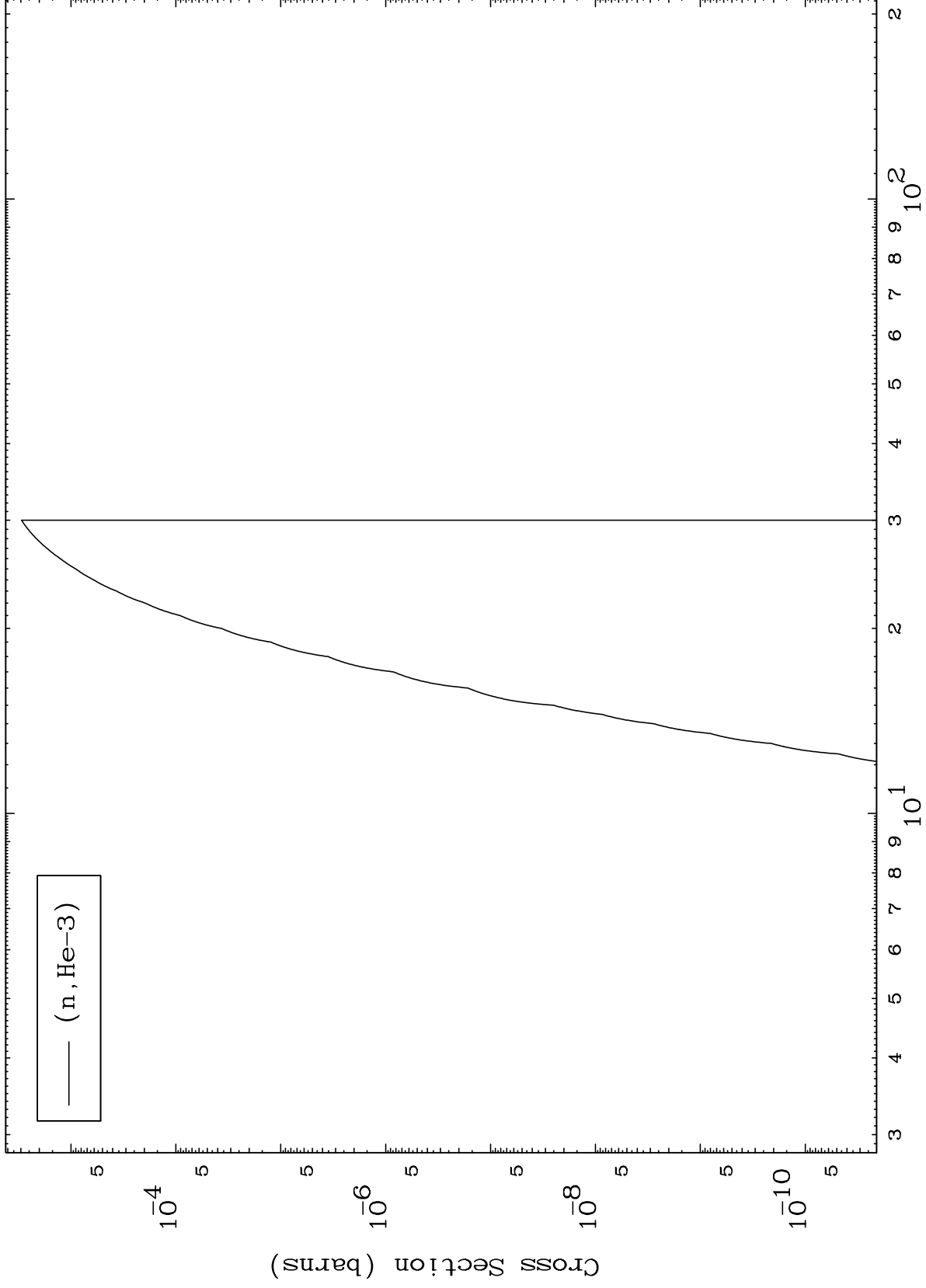
Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,He3) Levels
293 Kelvin Cross Sections

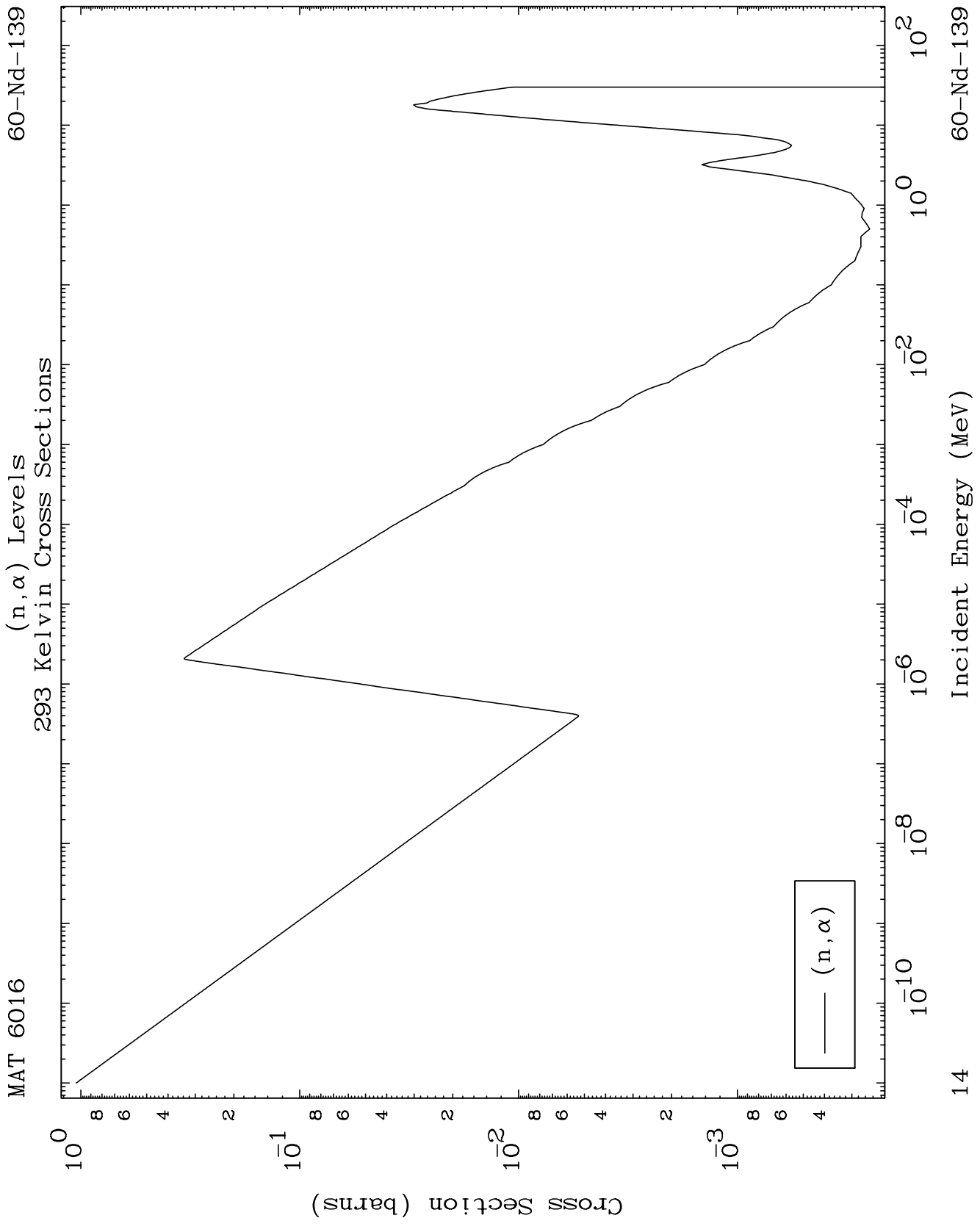
60-Nd-139



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Incident Energy (MeV)

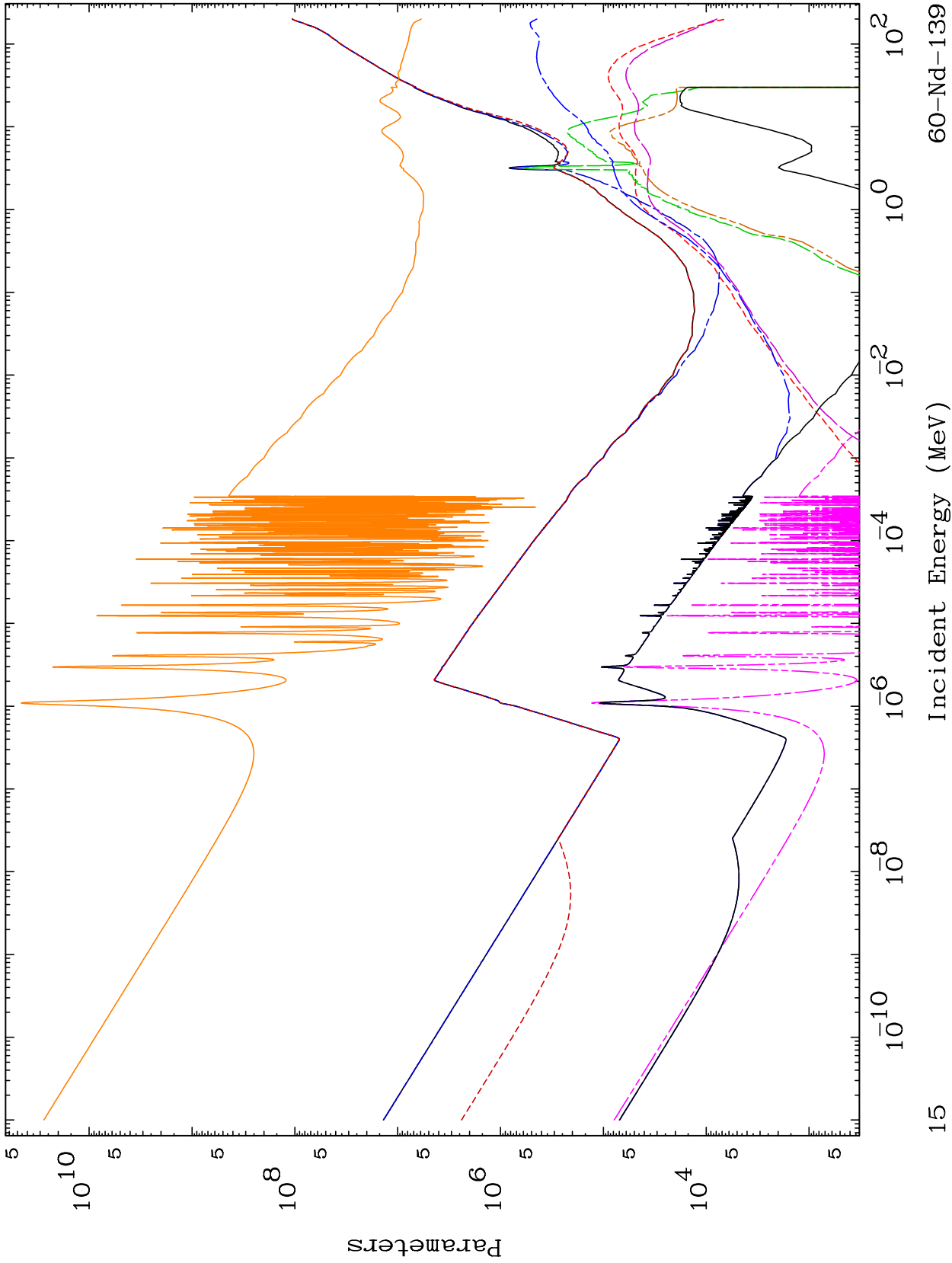
60-Nd-139



MAT 6016

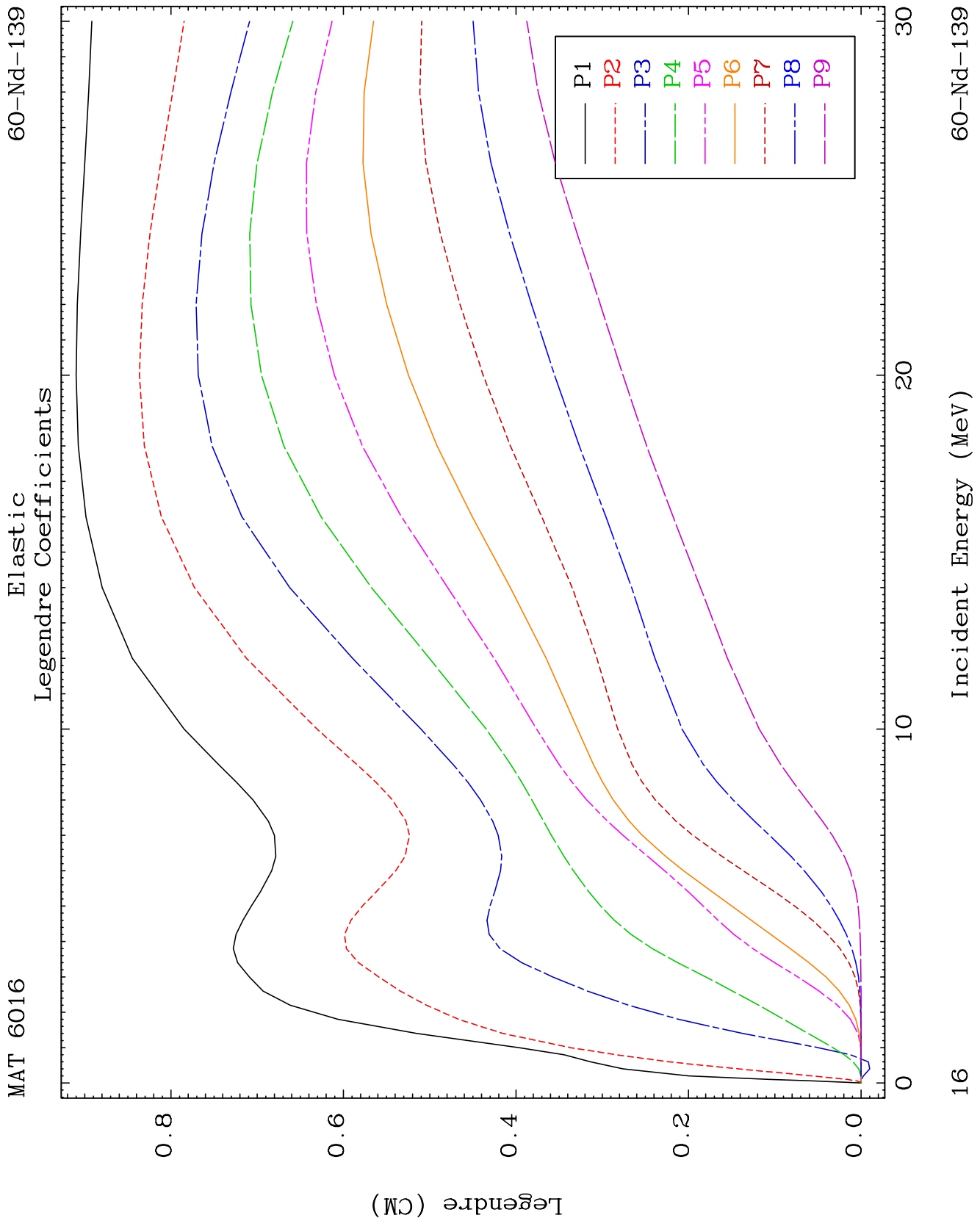
Energy Release
Parameters

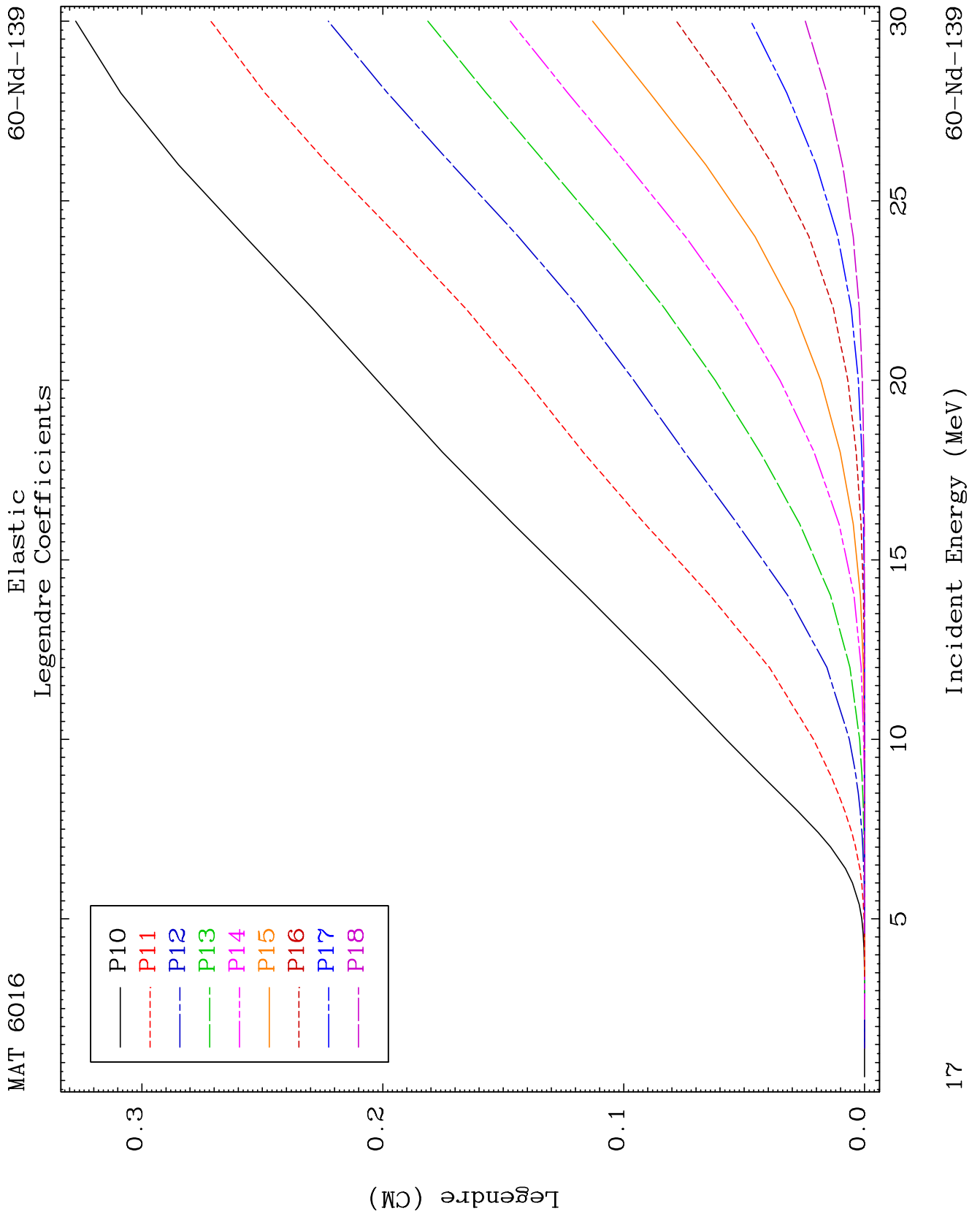
60-Nd-139



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60-Nd-139

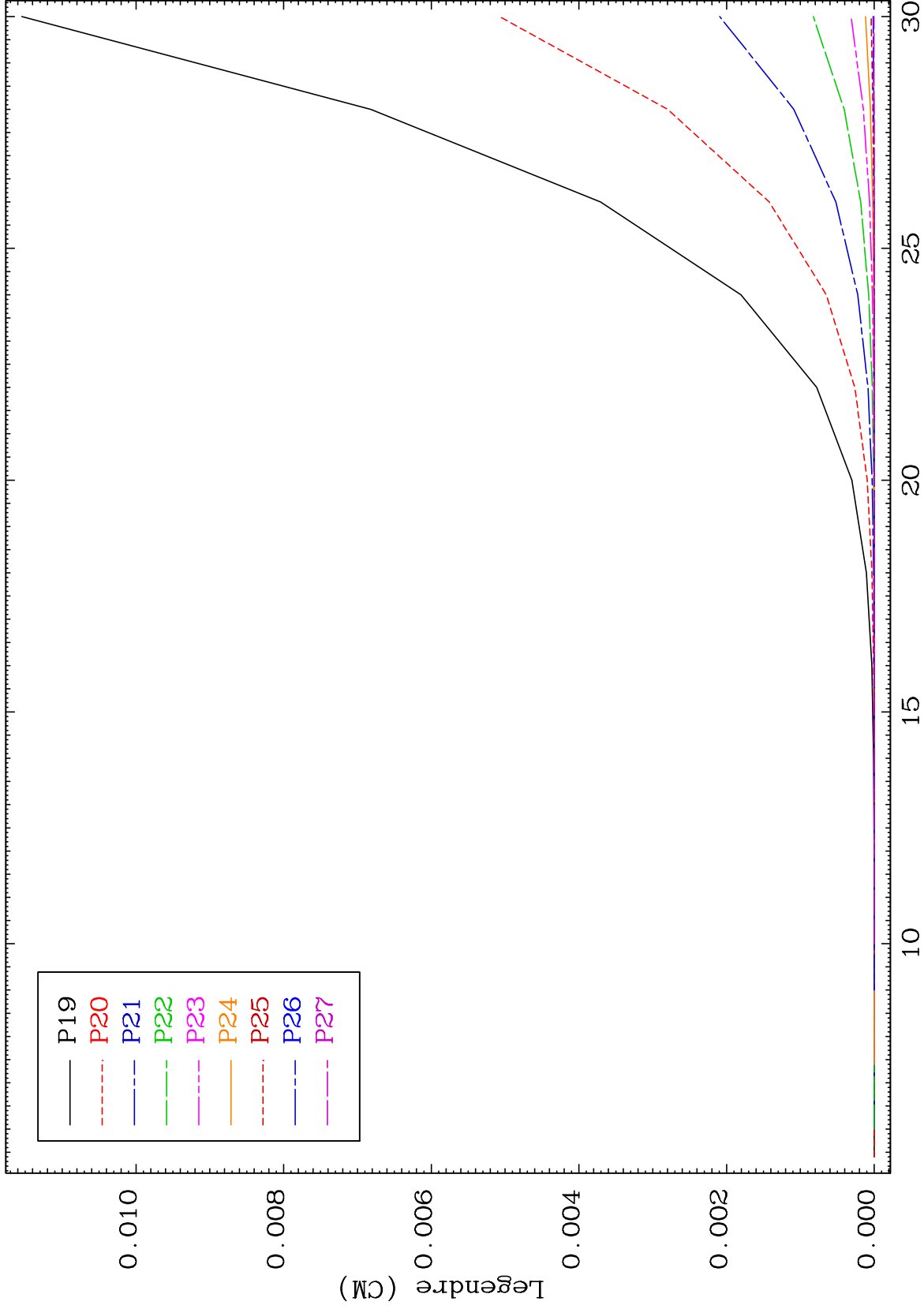




MAT 6016

Elastic Legendre Coefficients

60-Nd-139



18

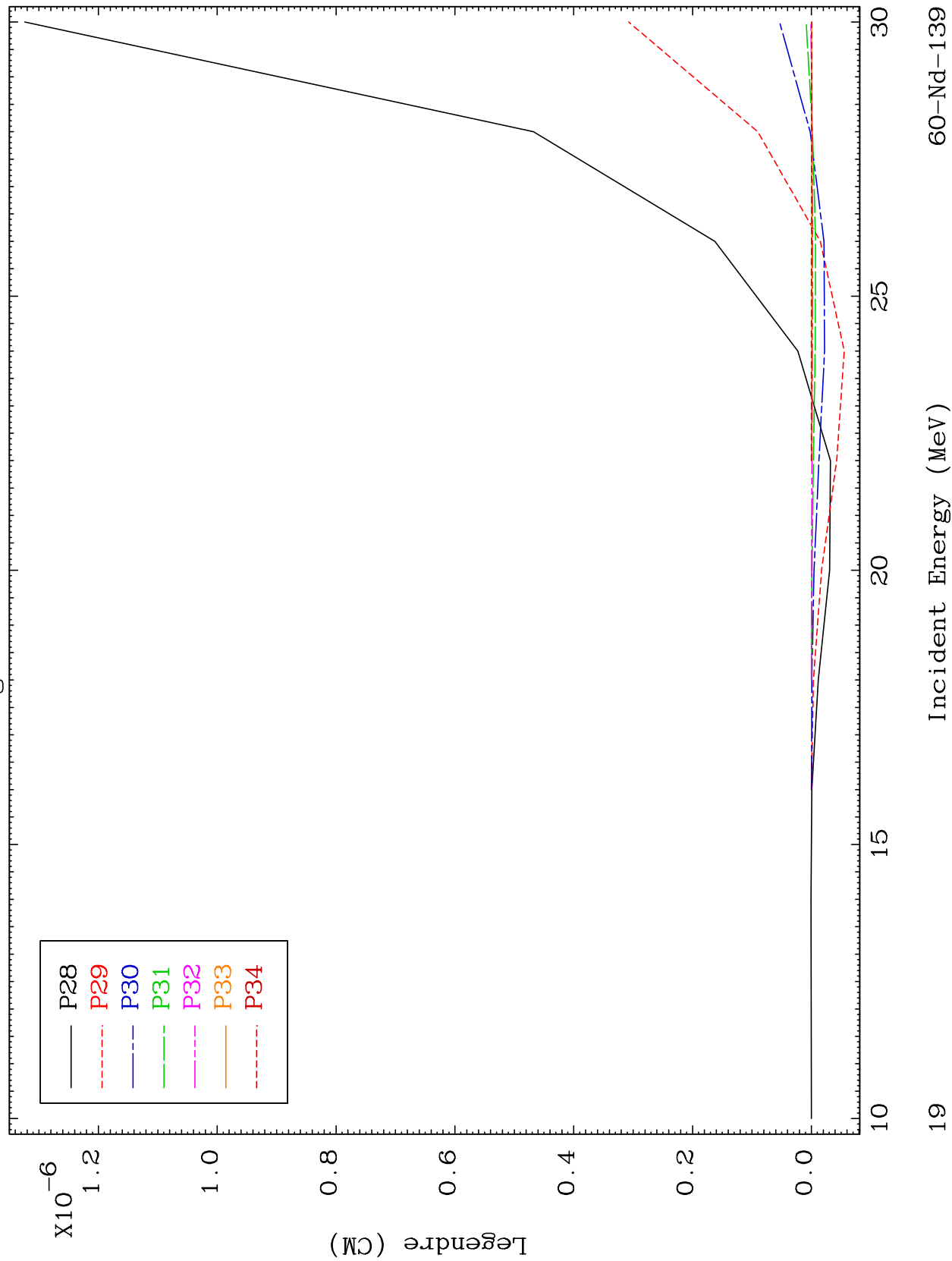
Incident Energy (MeV)

60-Nd-139

MAT 6016

Elastic Legendre Coefficients

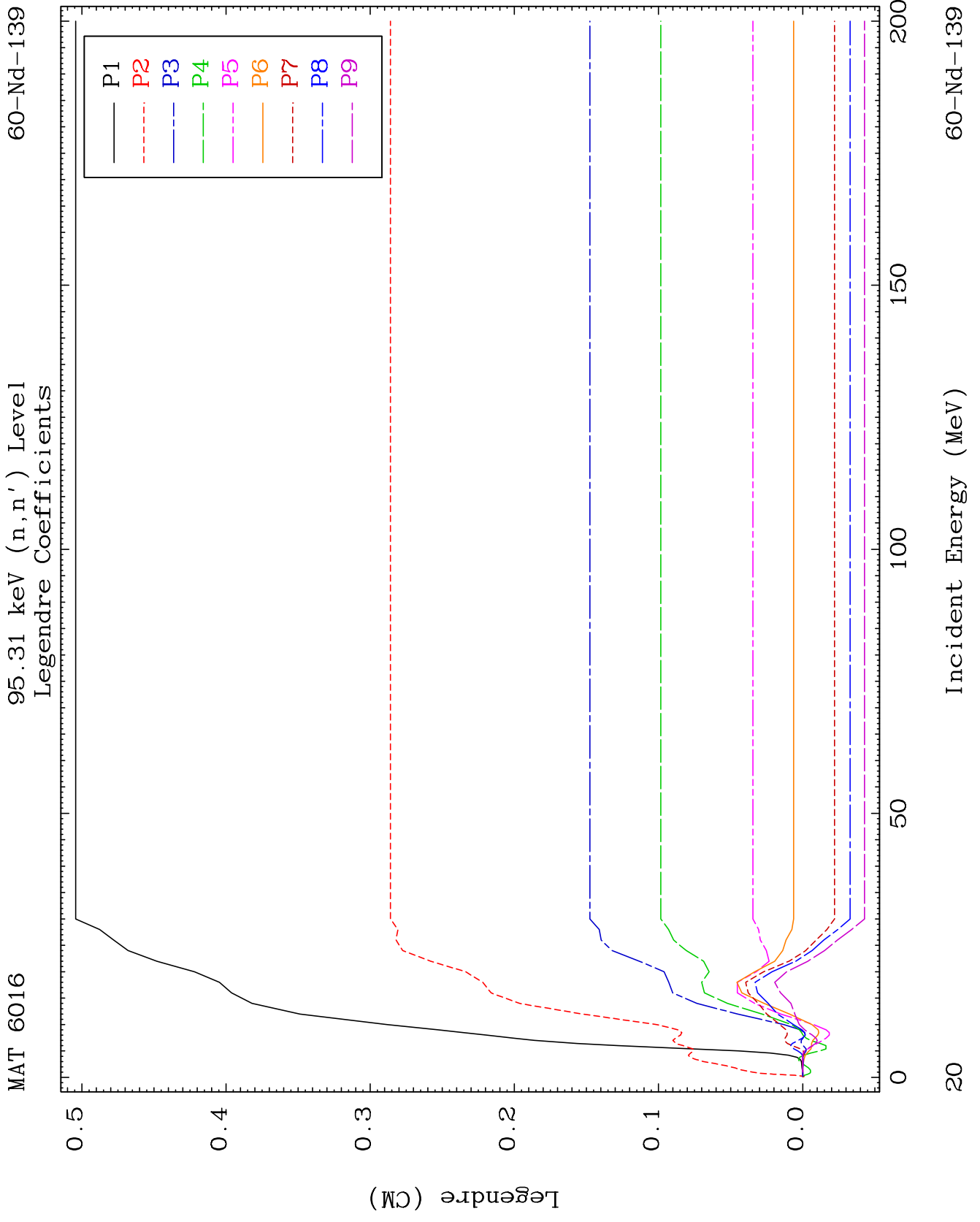
60-Nd-139



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Incident Energy (MeV)

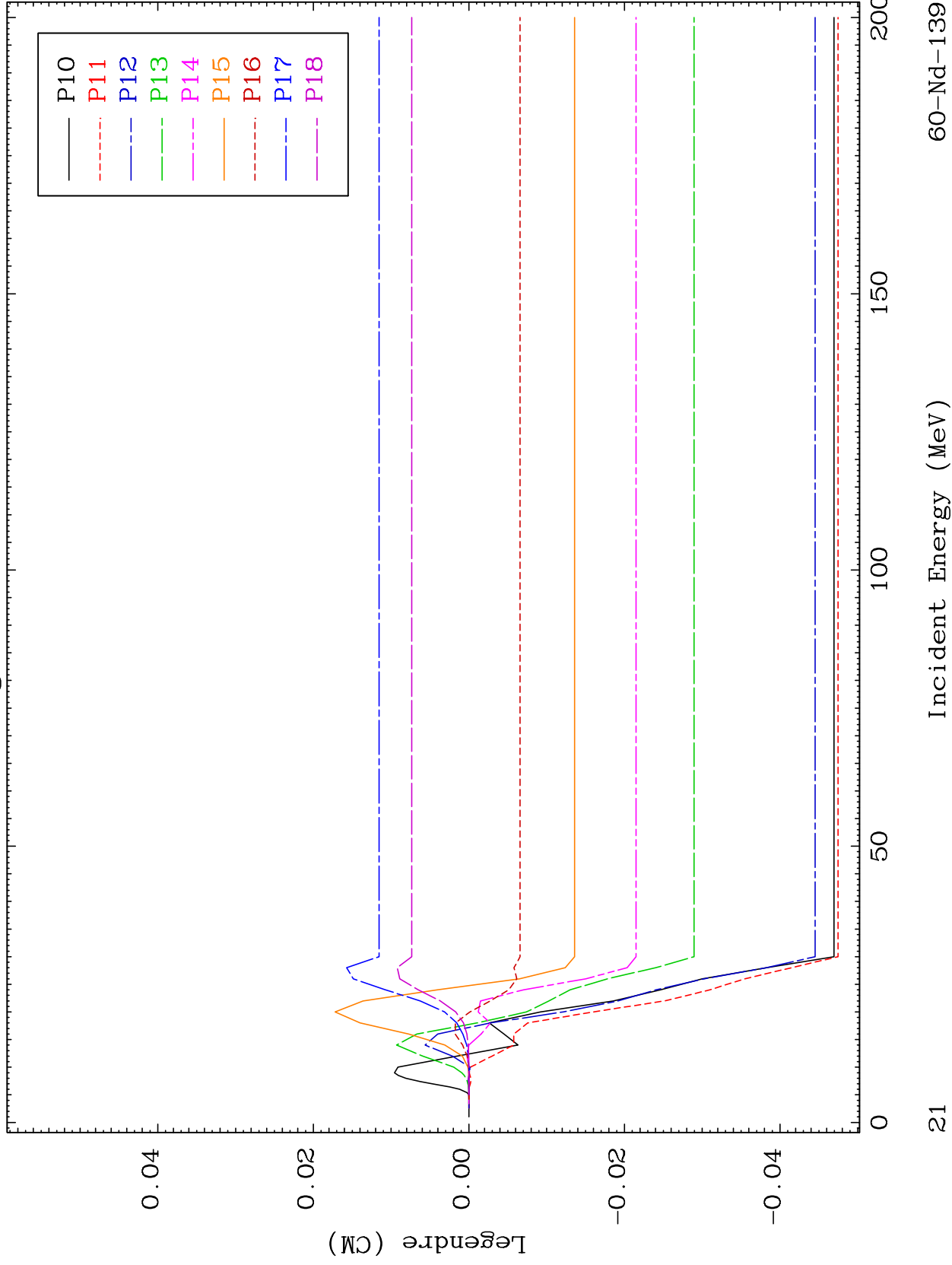
60-Nd-139



MAT 6016

95.31 keV (n,n') Level
Legendre Coefficients

60-Nd-139



21

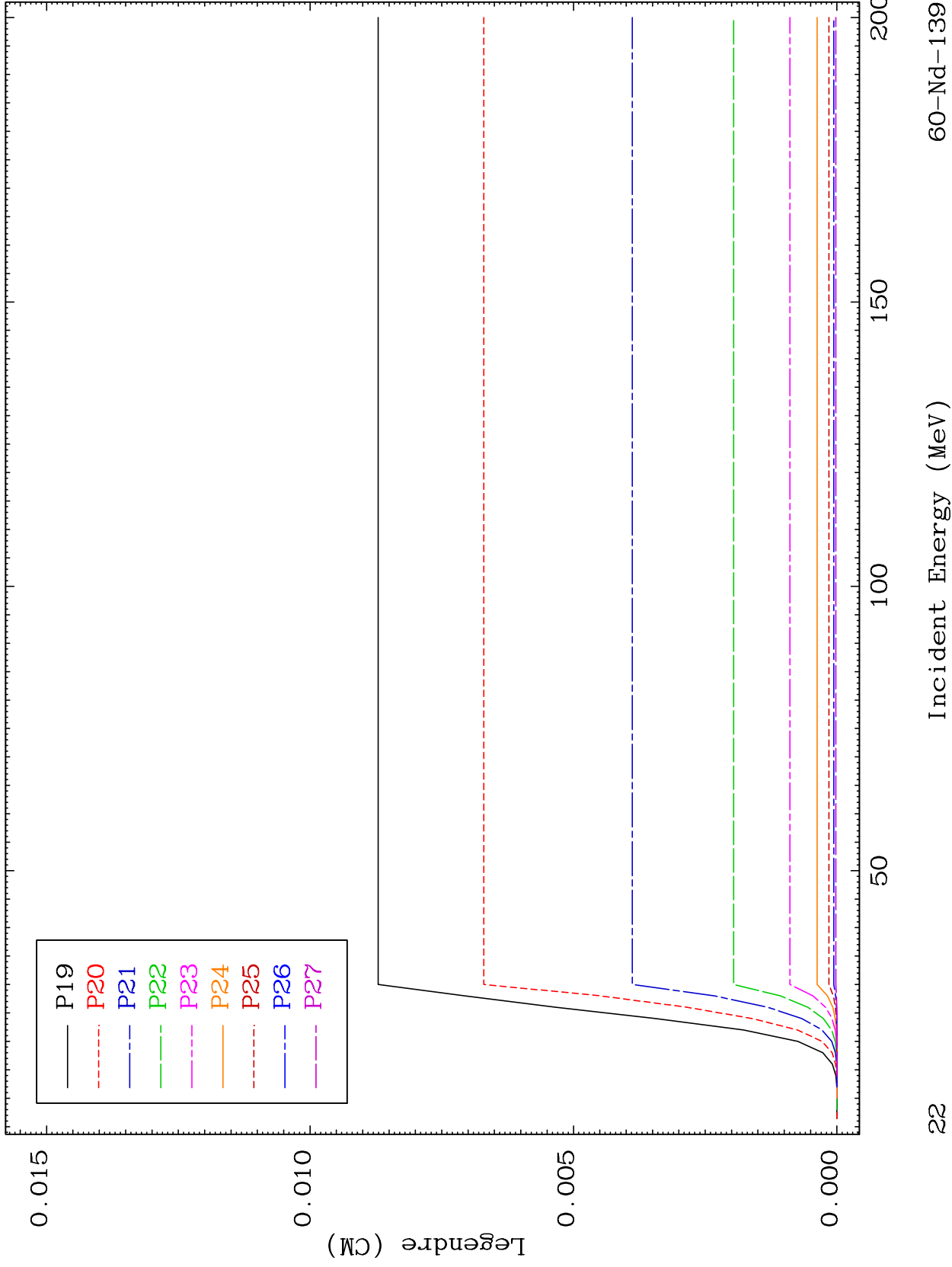
Incident Energy (MeV)

60-Nd-139

MAT 6016

95.31 keV (n,n') Level
Legendre Coefficients

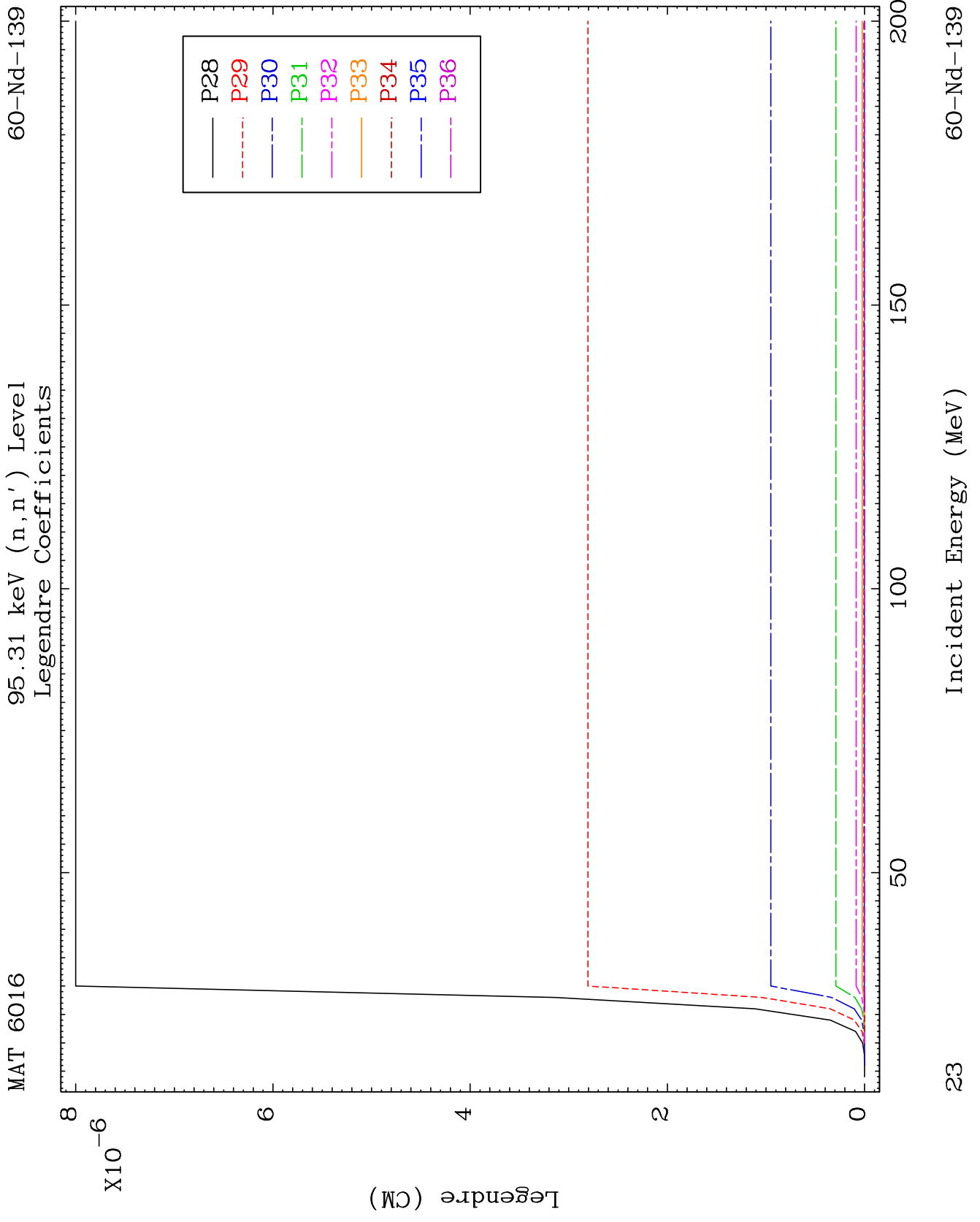
60-Nd-139



22

Incident Energy (MeV)

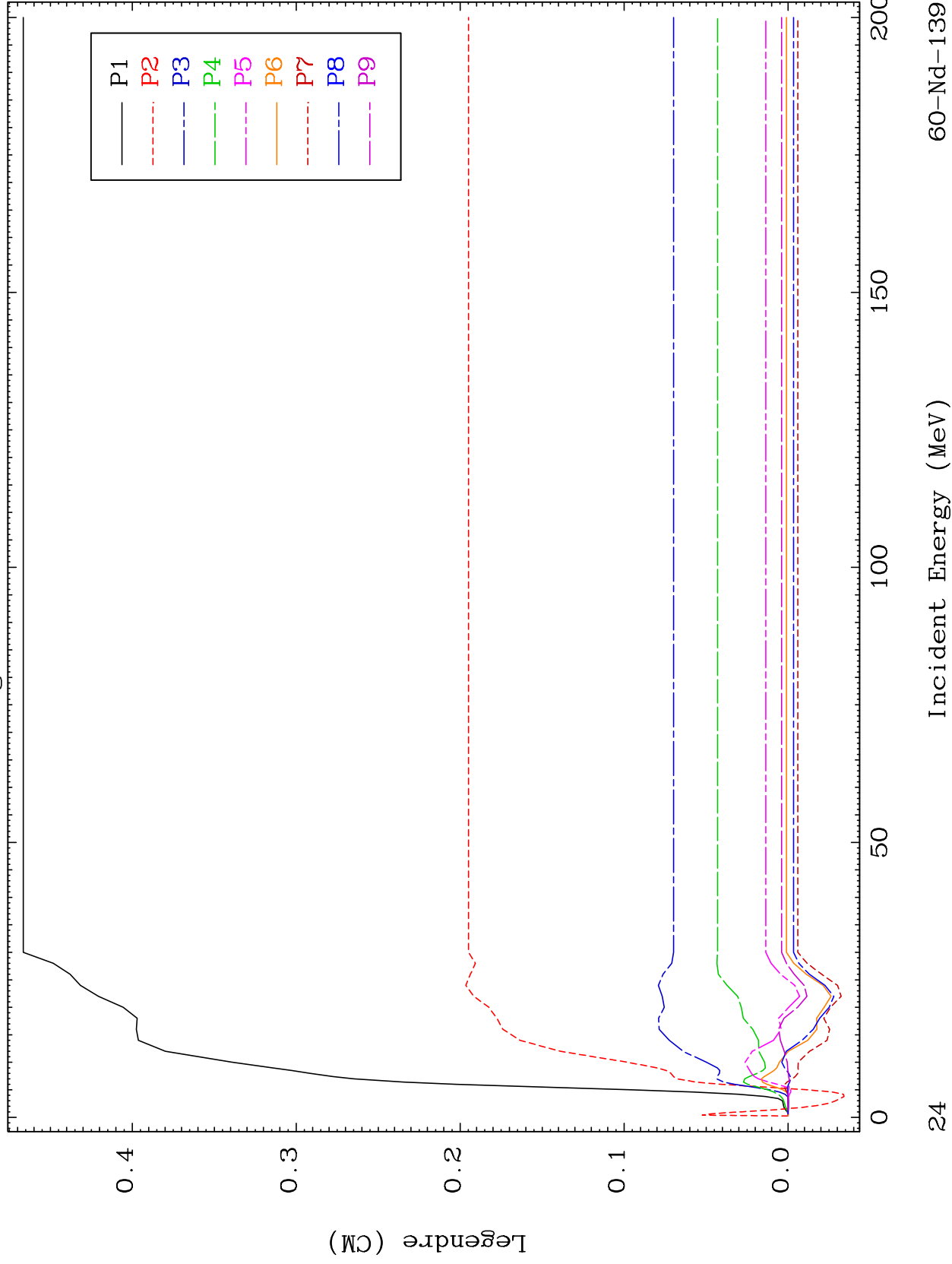
60-Nd-139



MAT 6016

231.1 keV (n,n') Level
Legendre Coefficients

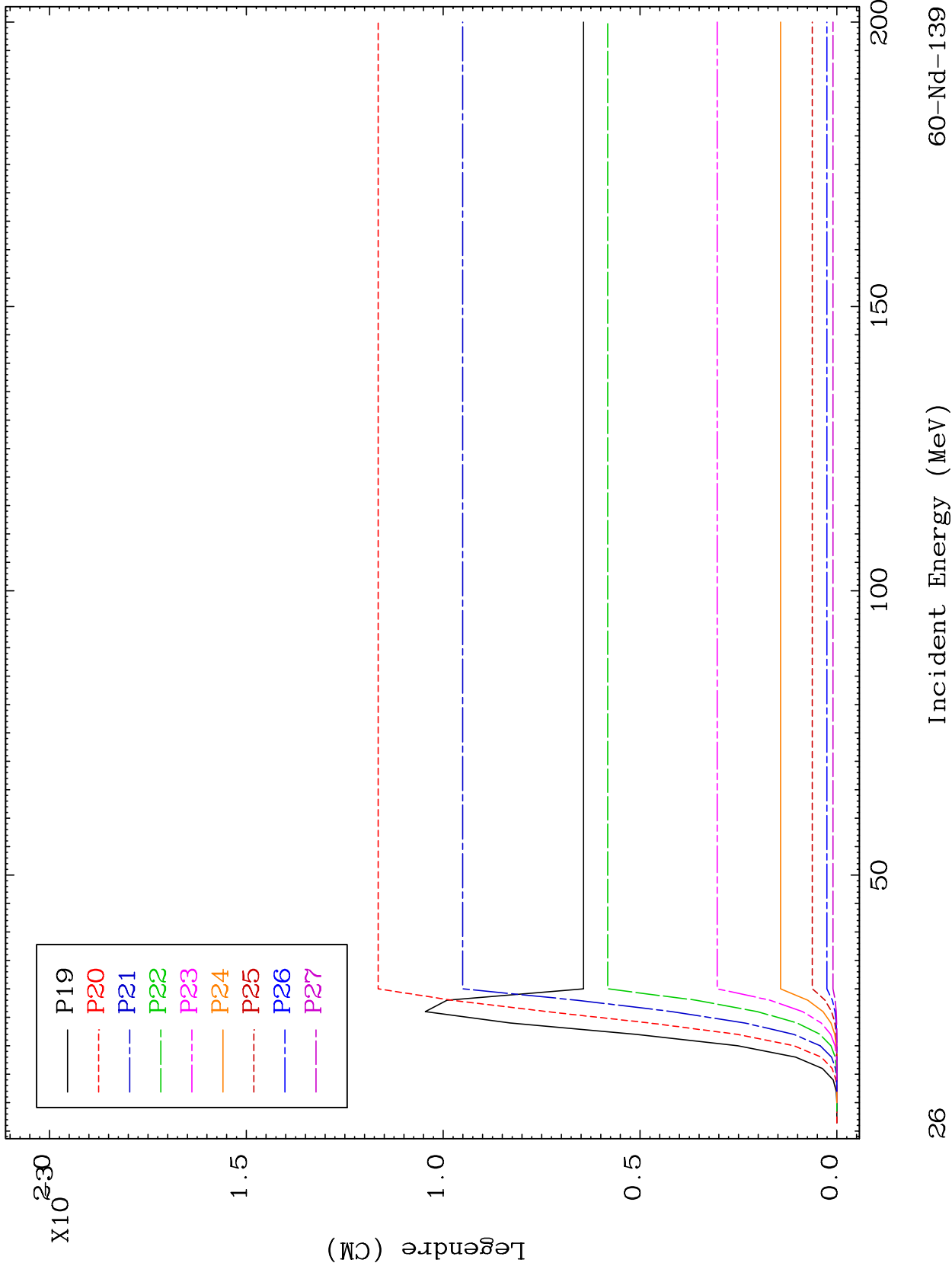
60-Nd-139

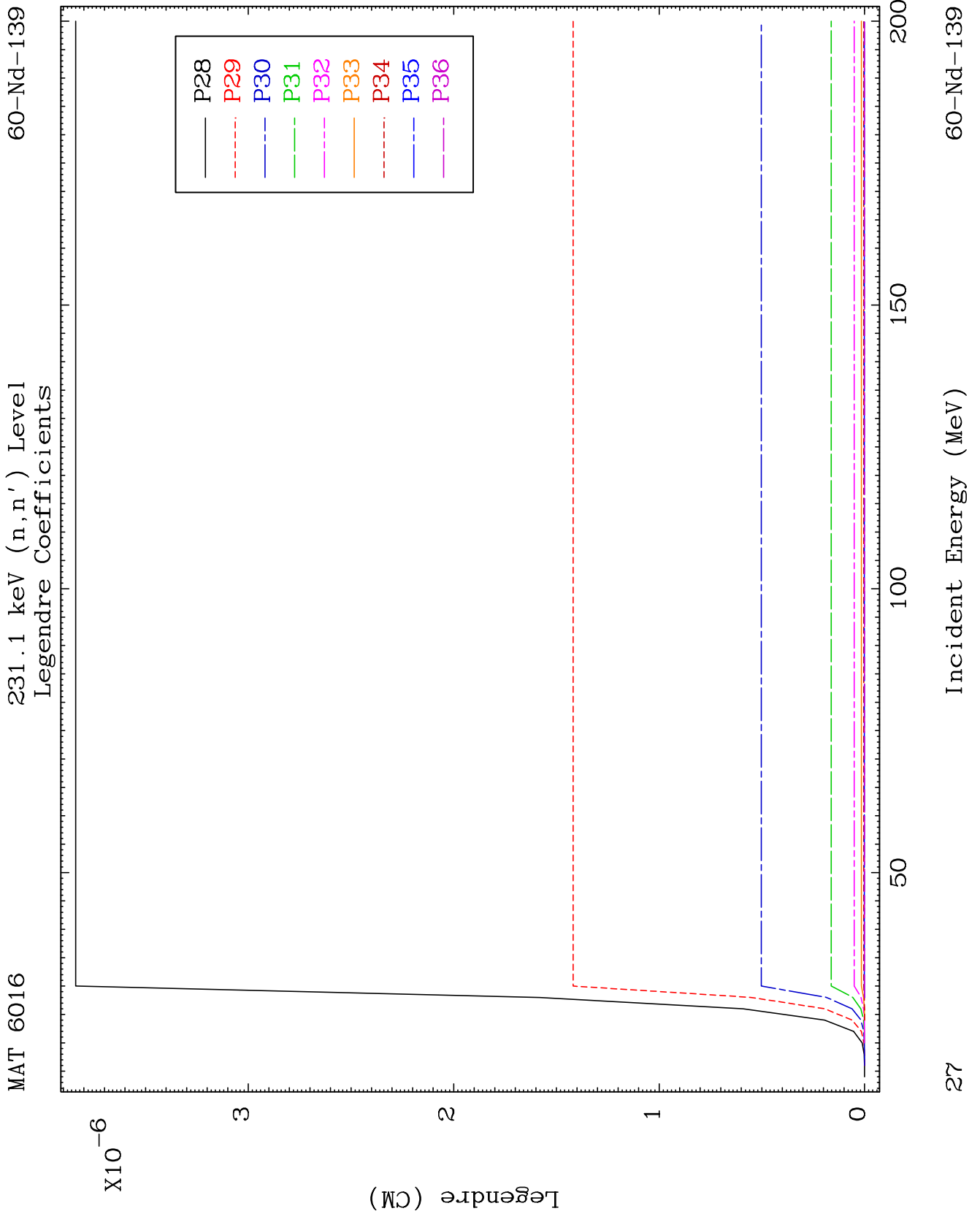


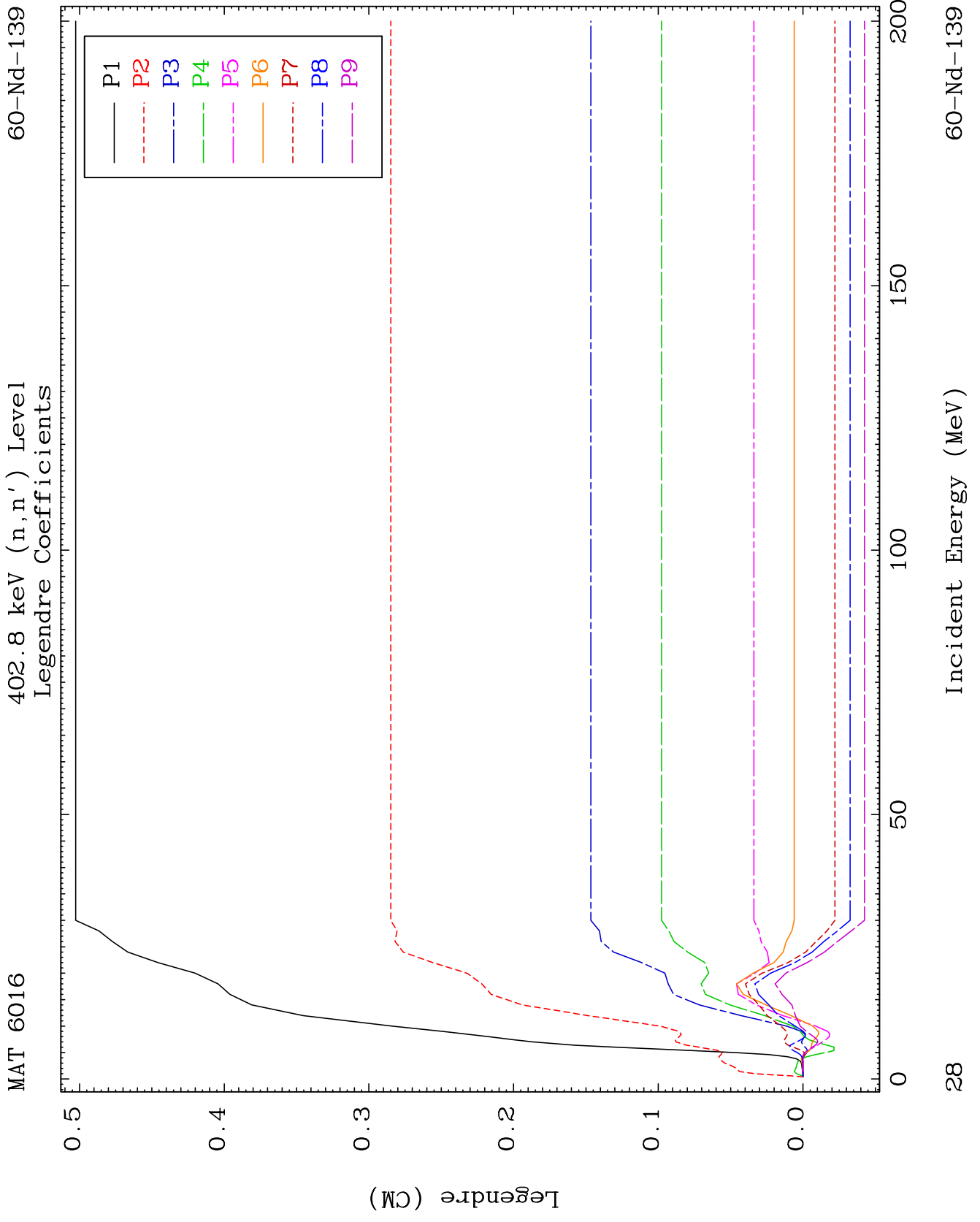
60-Nd-139

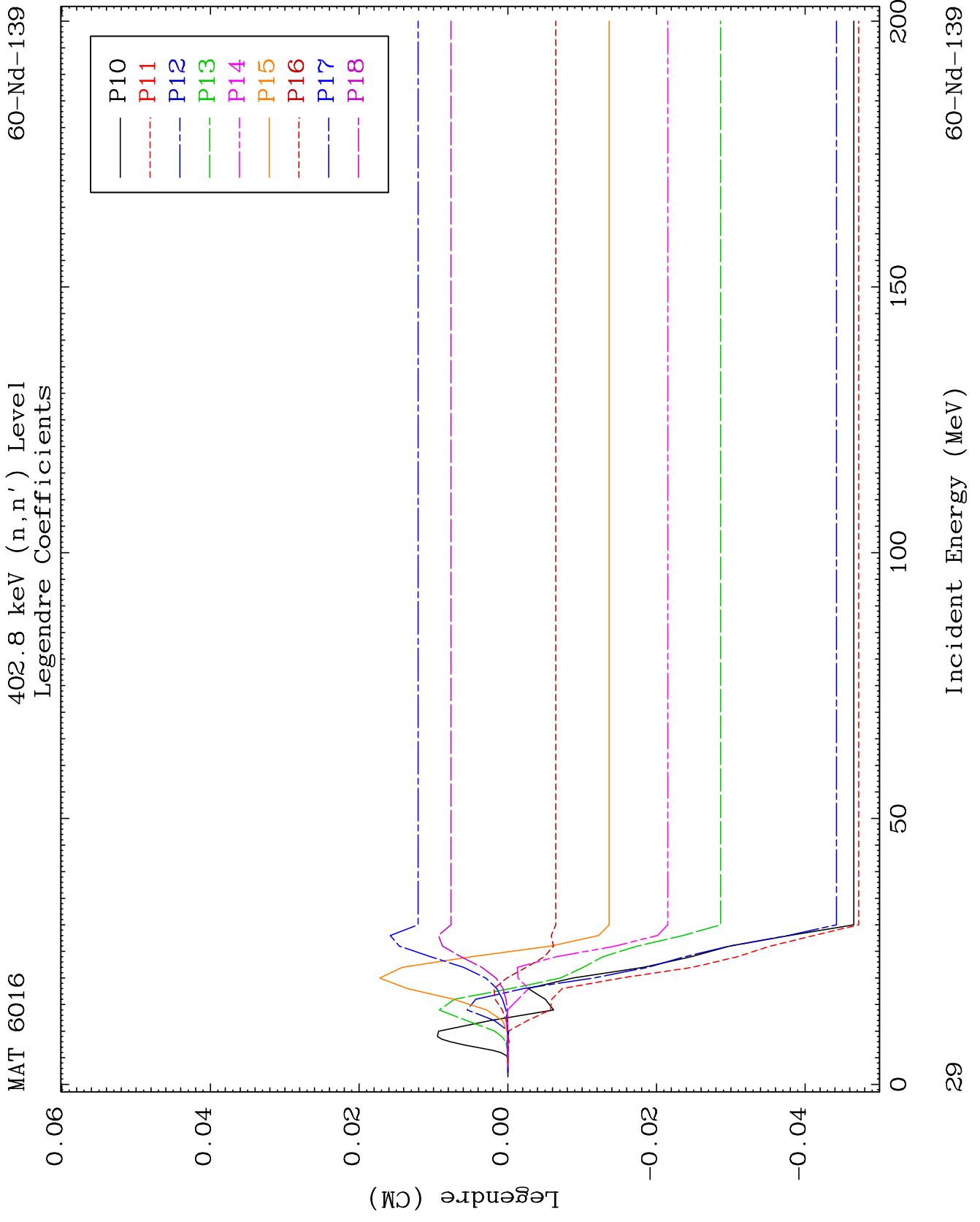
Incident Energy (MeV)

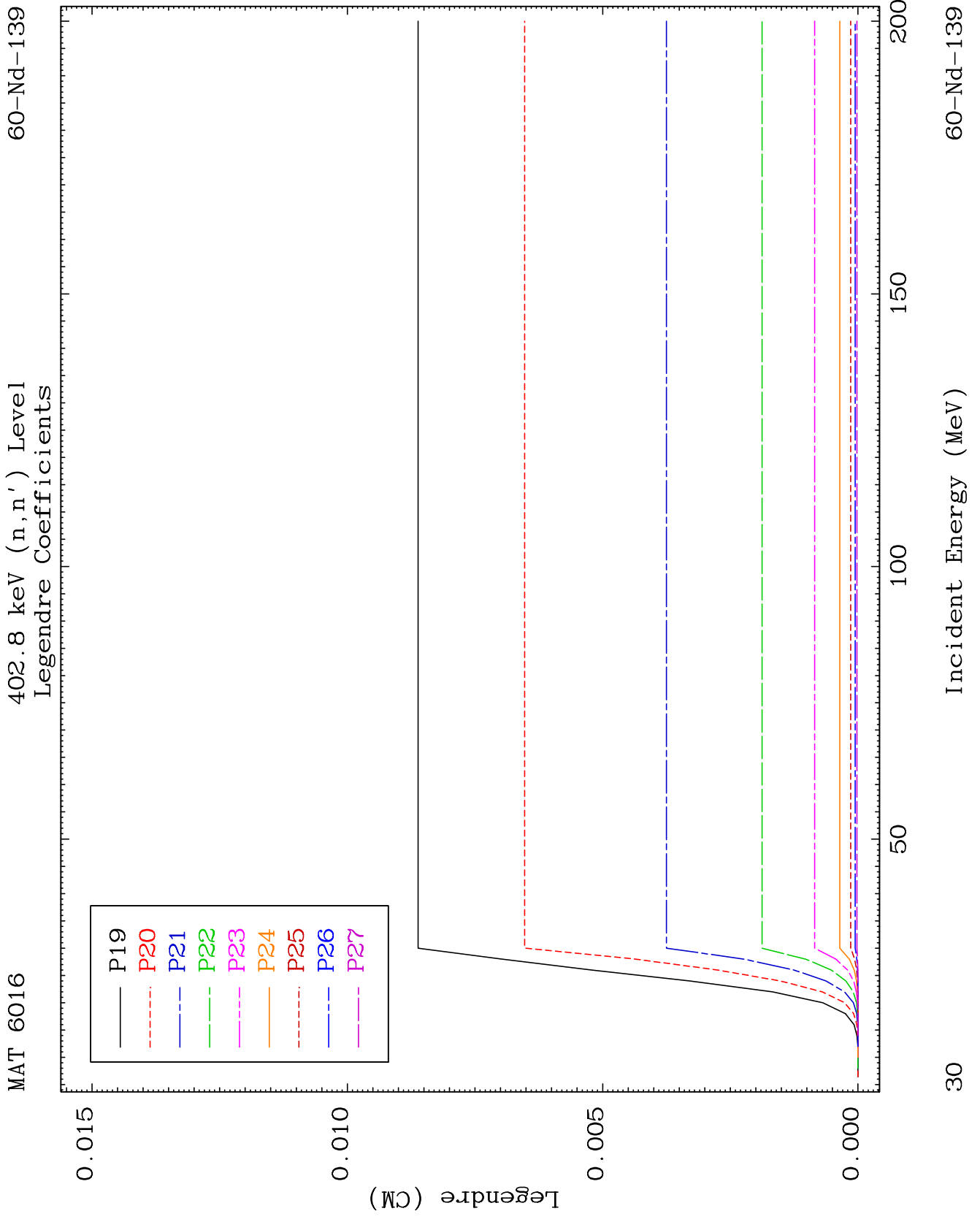
24

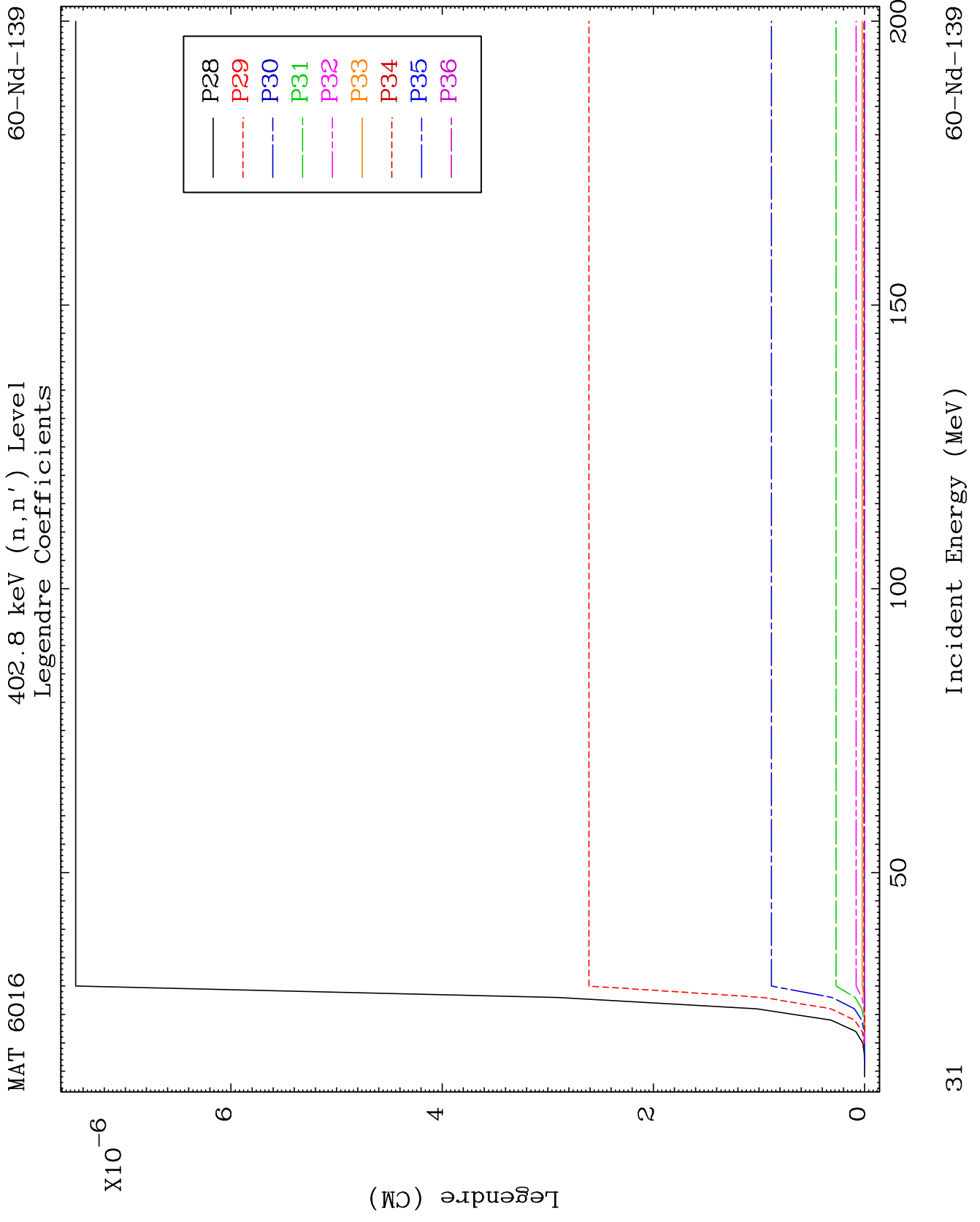








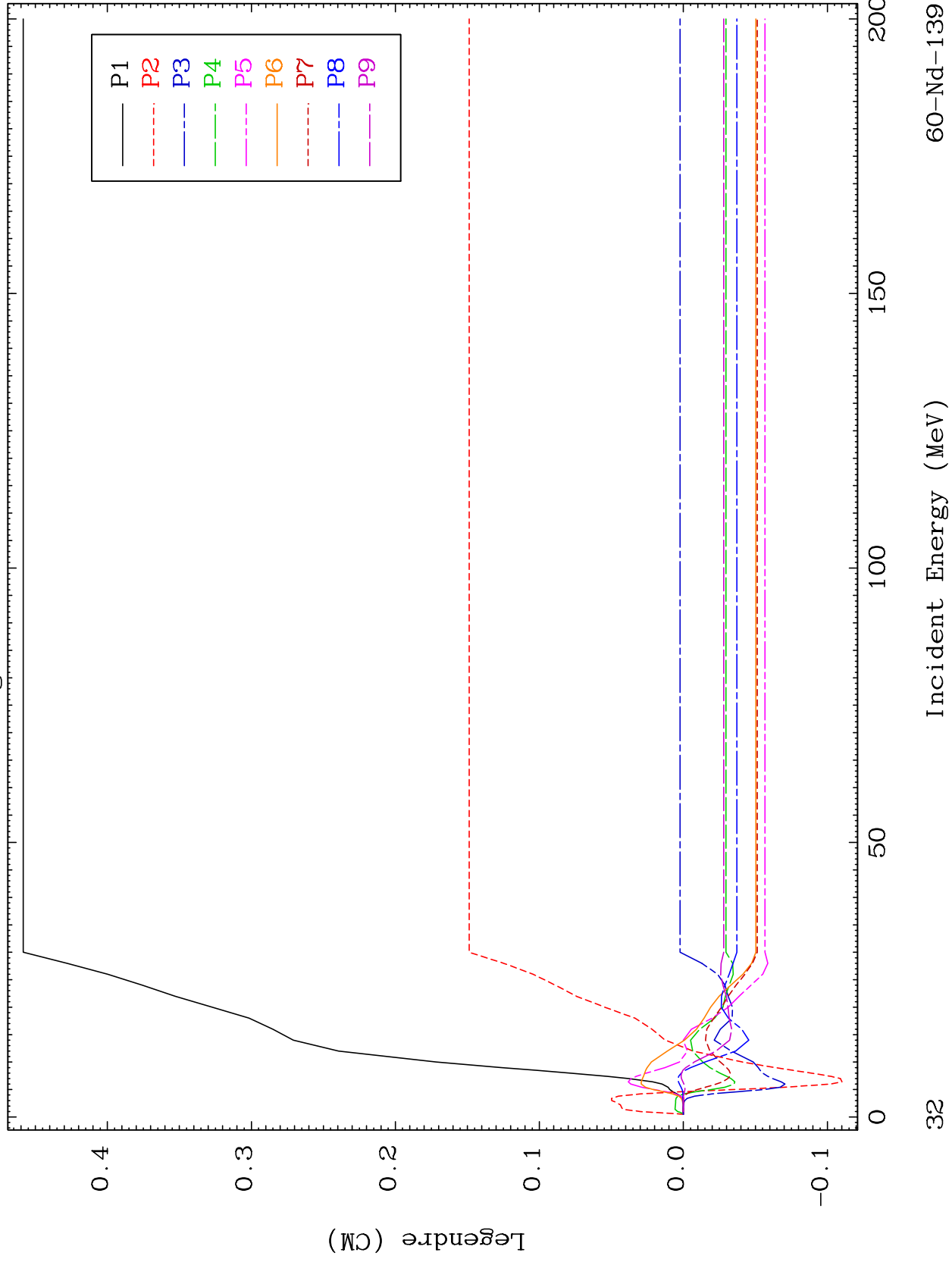




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463.1 keV (n,n') Level
Legendre Coefficients

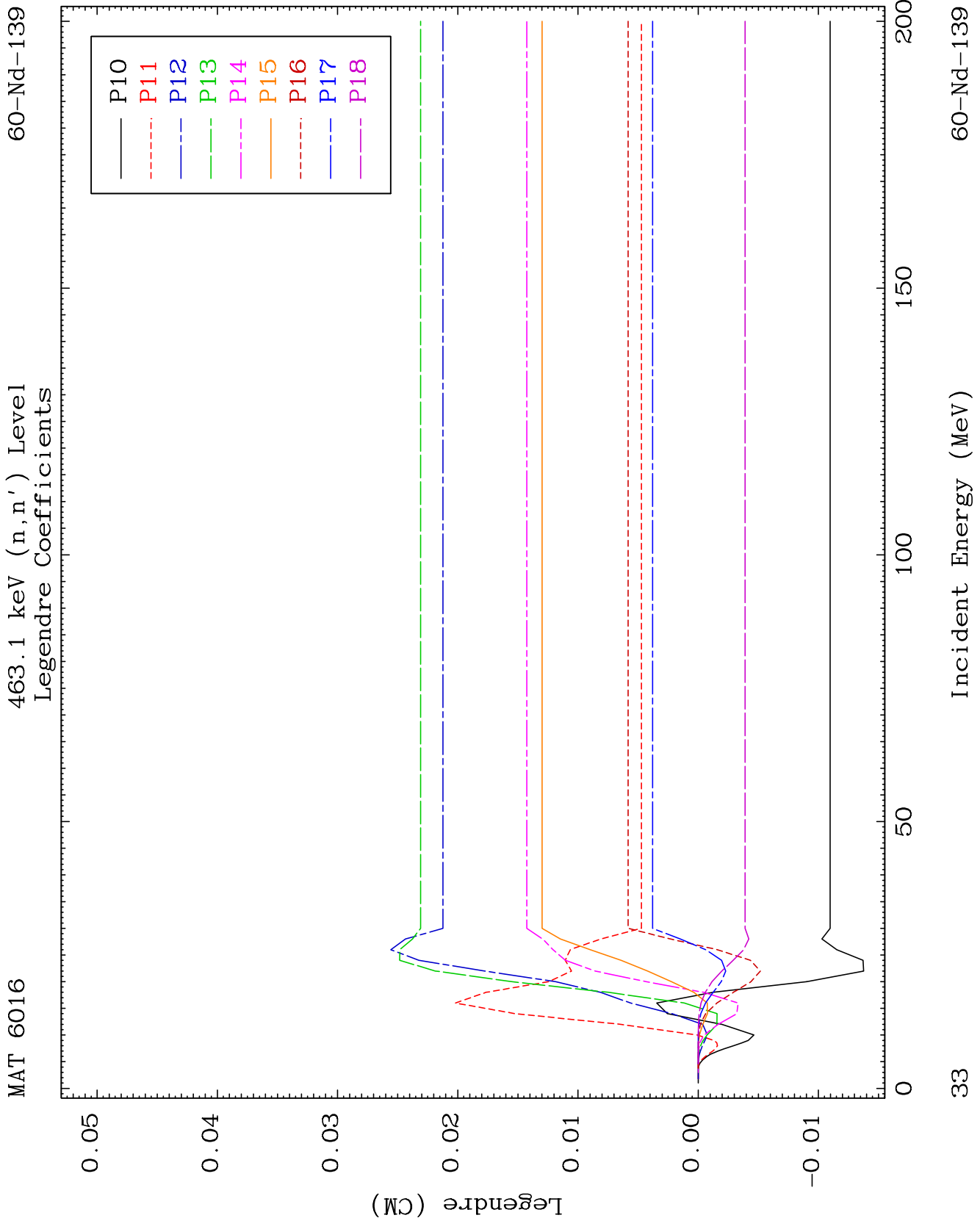
60-Nd-139



60-Nd-139

Incident Energy (MeV)

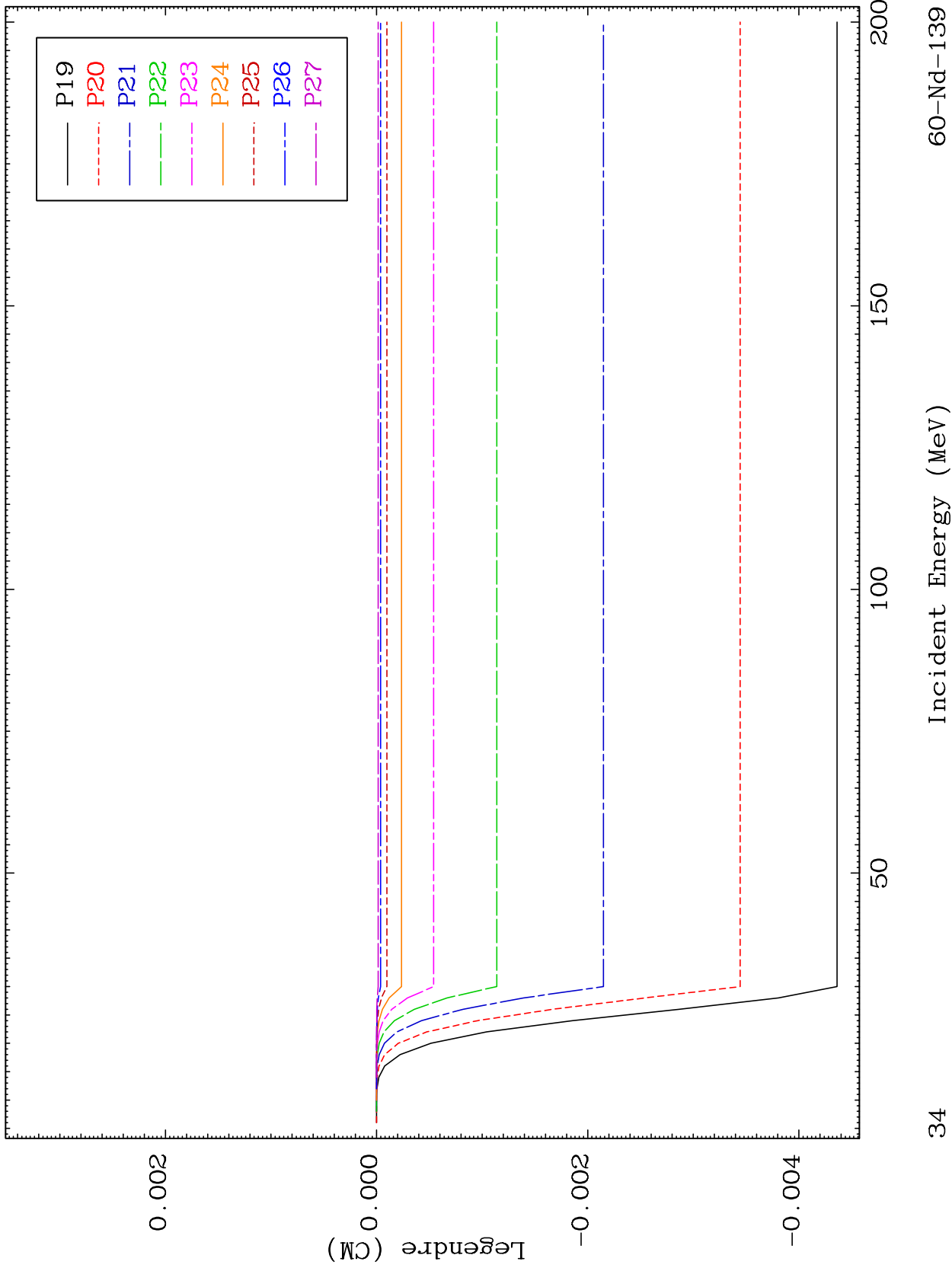
32



MAT 6016

463.1 keV (n,n') Level
Legendre Coefficients

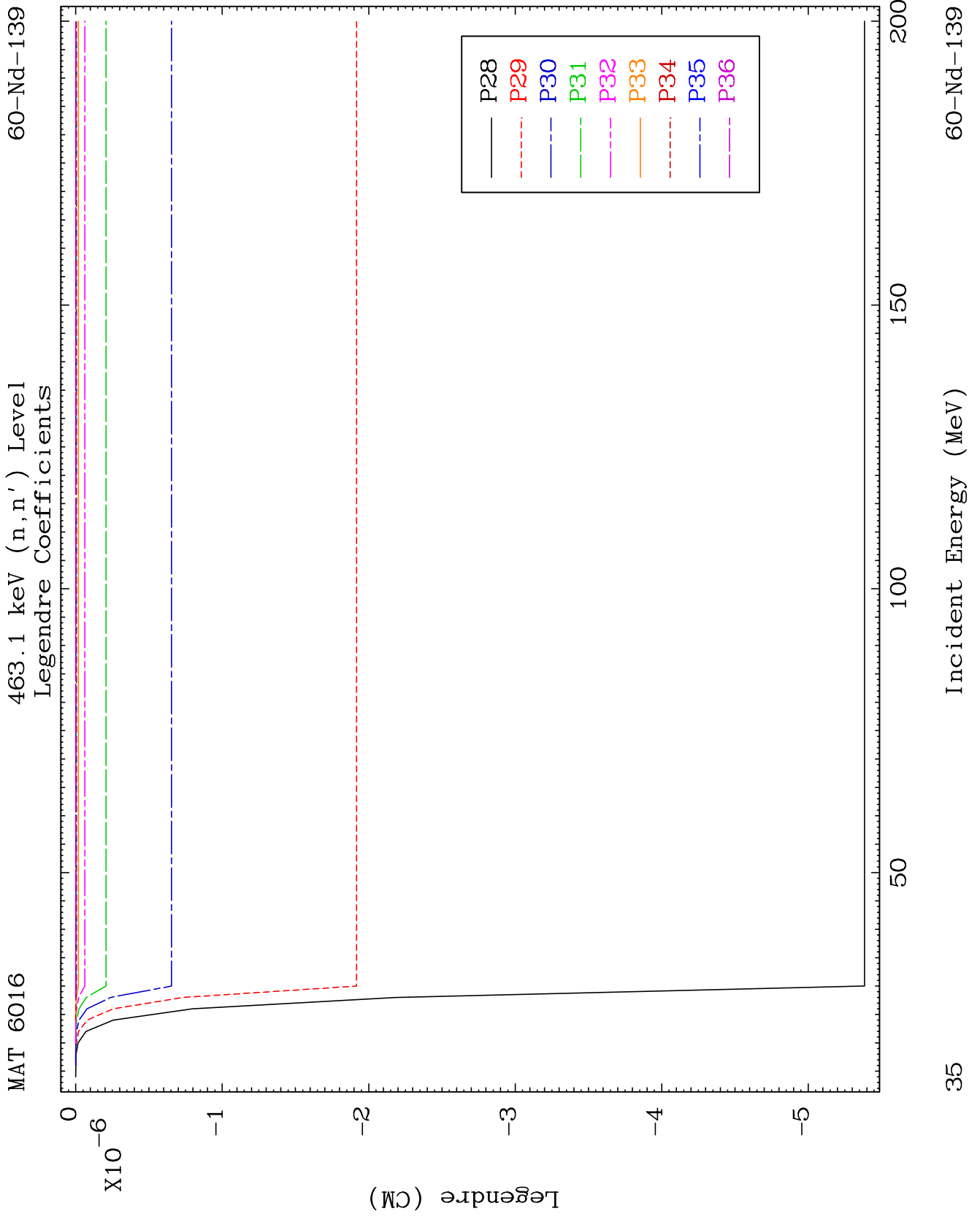
60-Nd-139

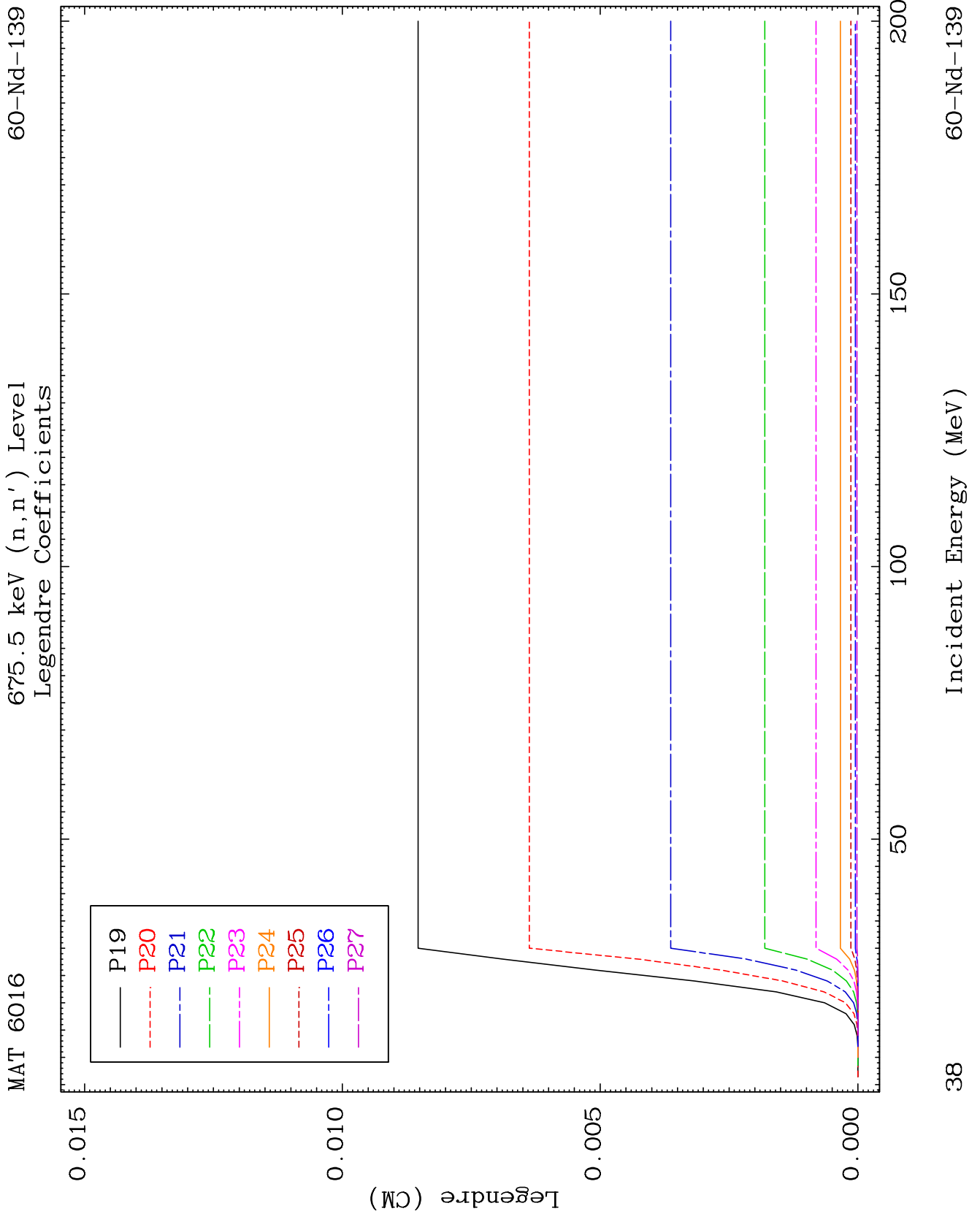


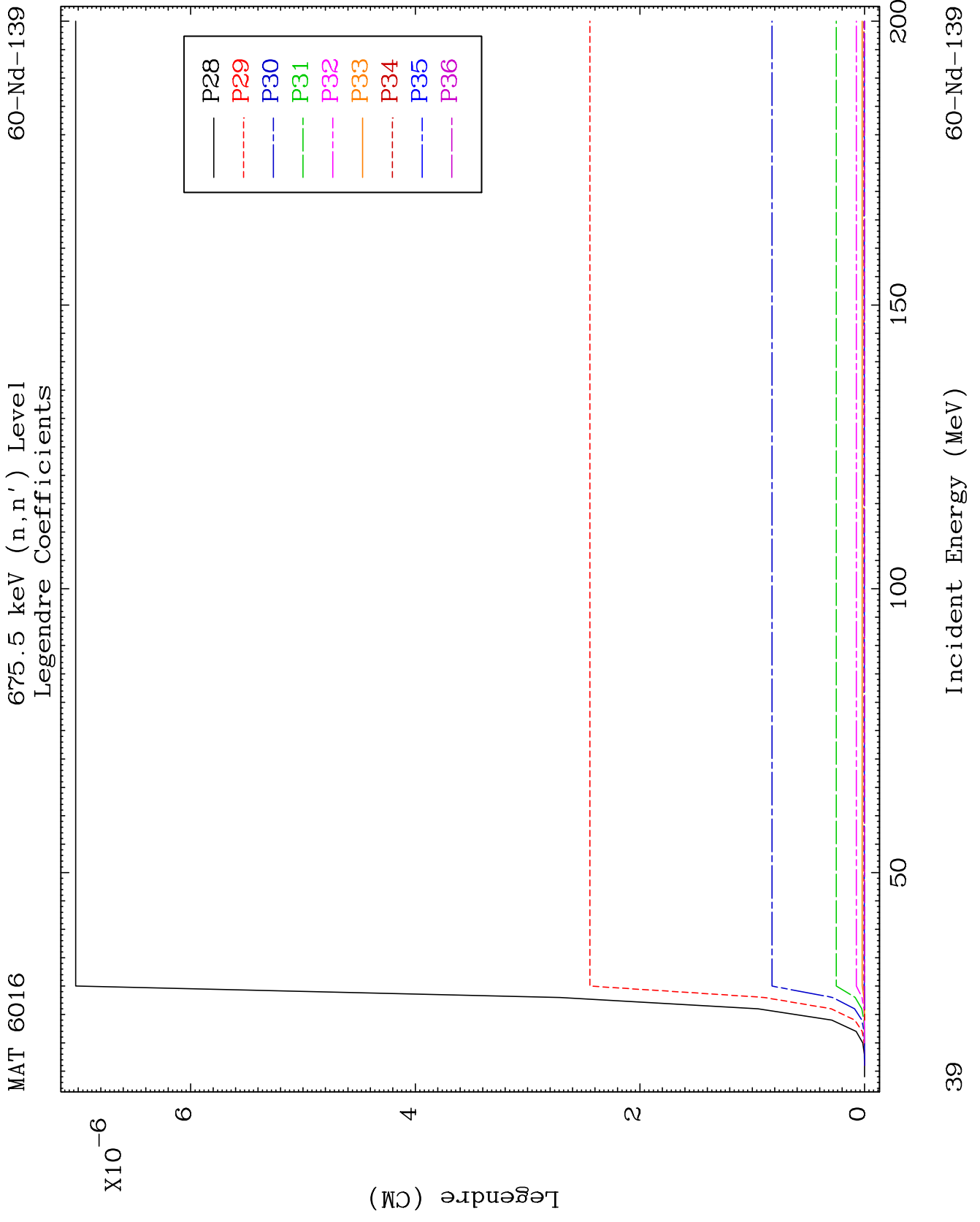
34

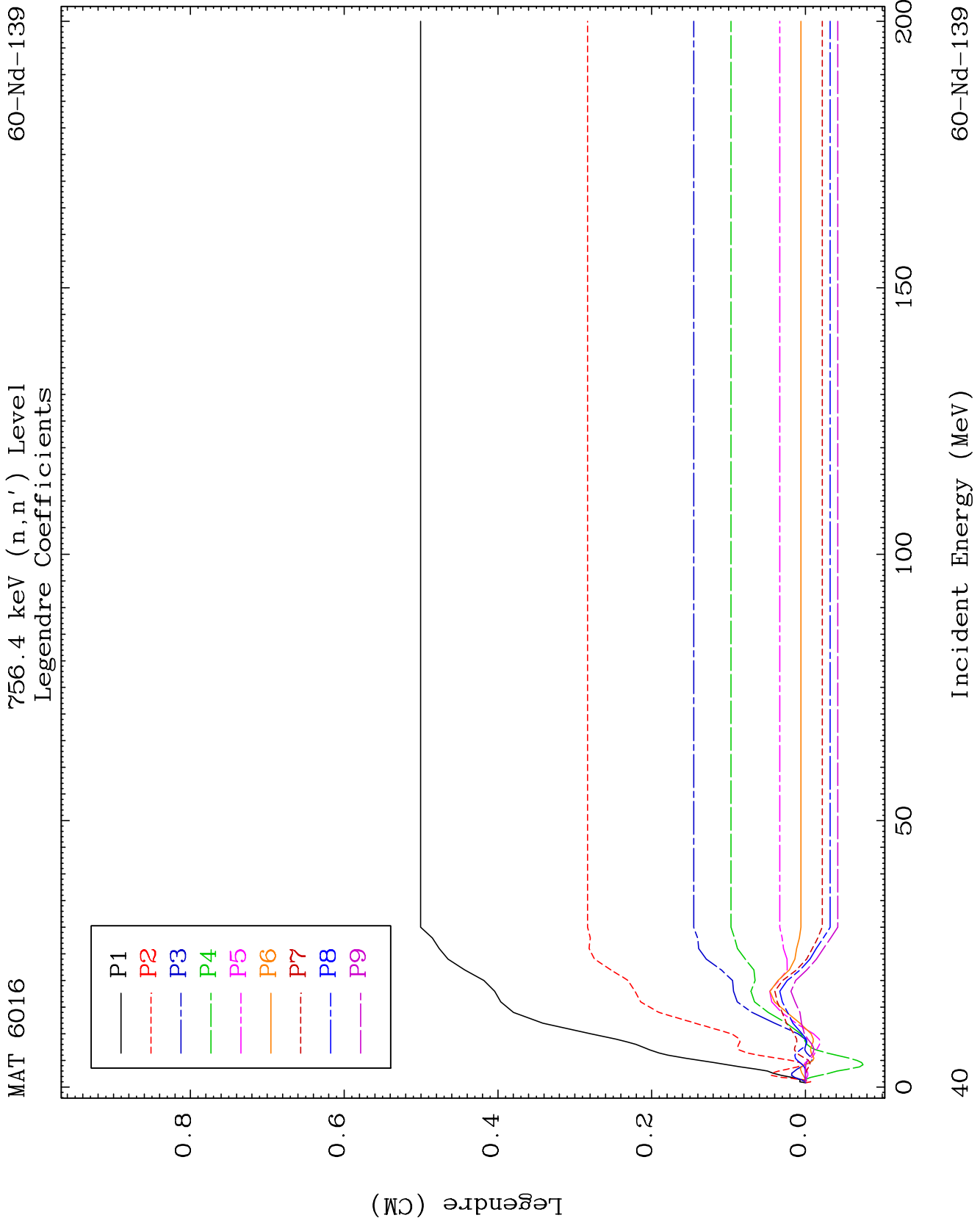
Incident Energy (MeV)

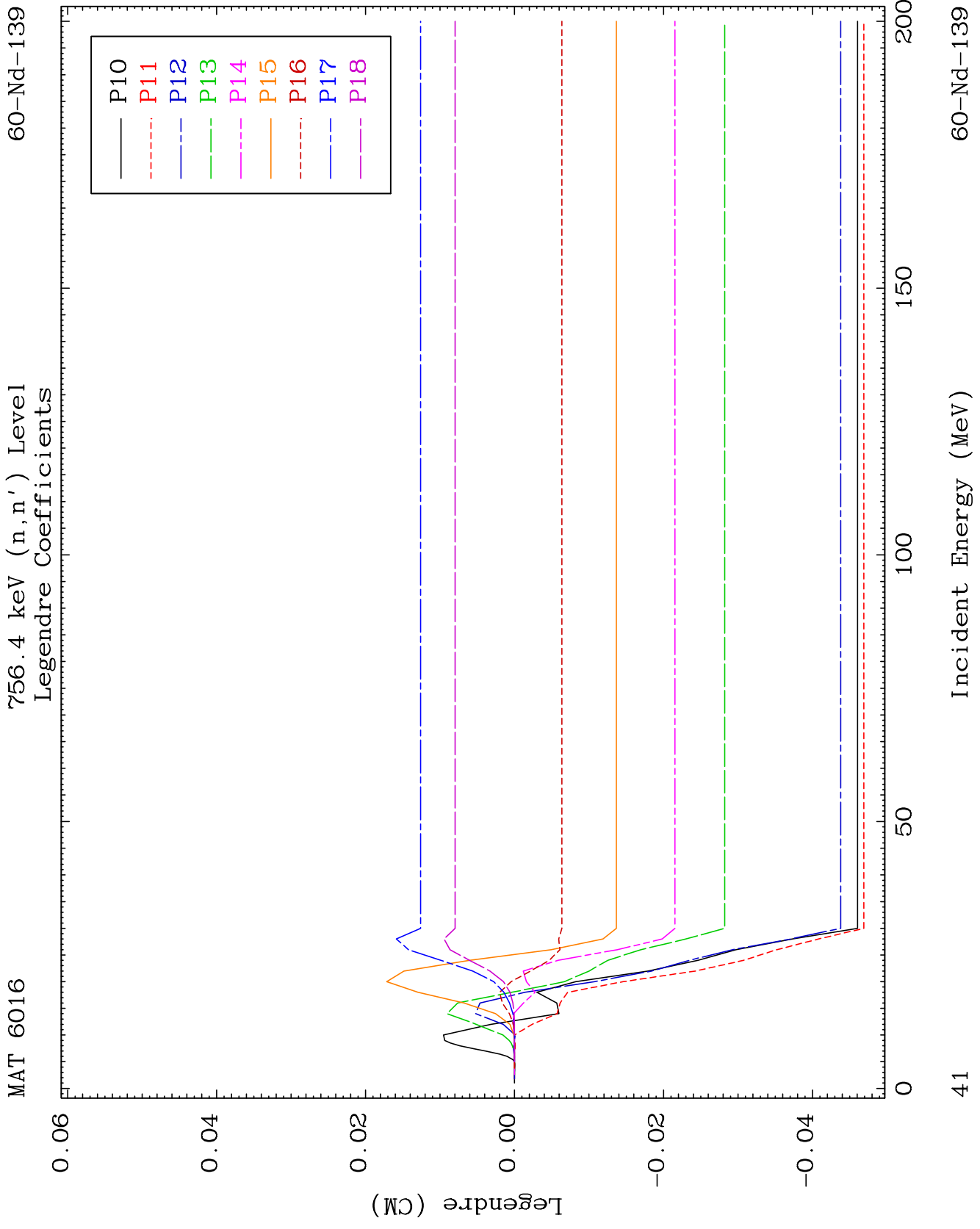
60-Nd-139

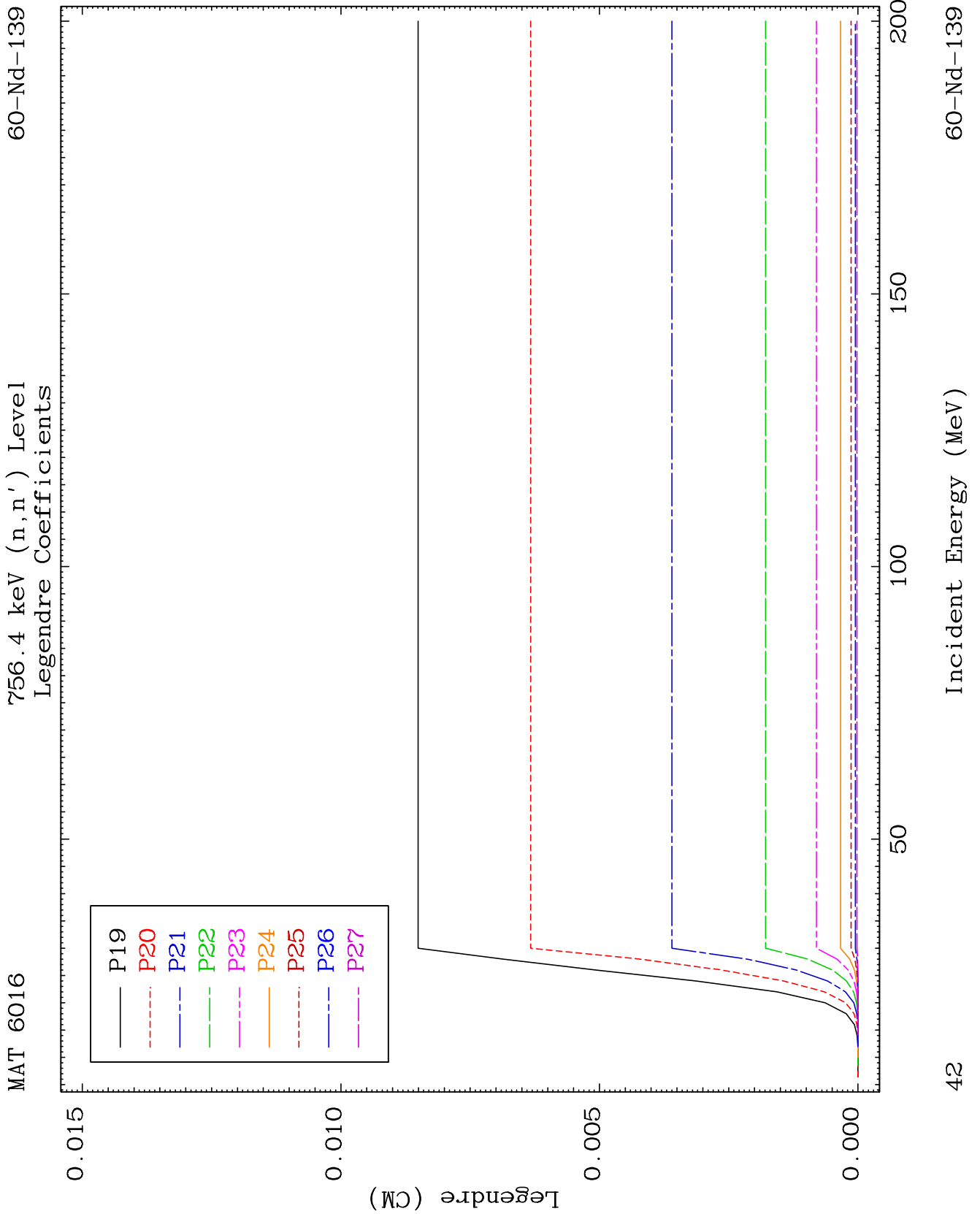


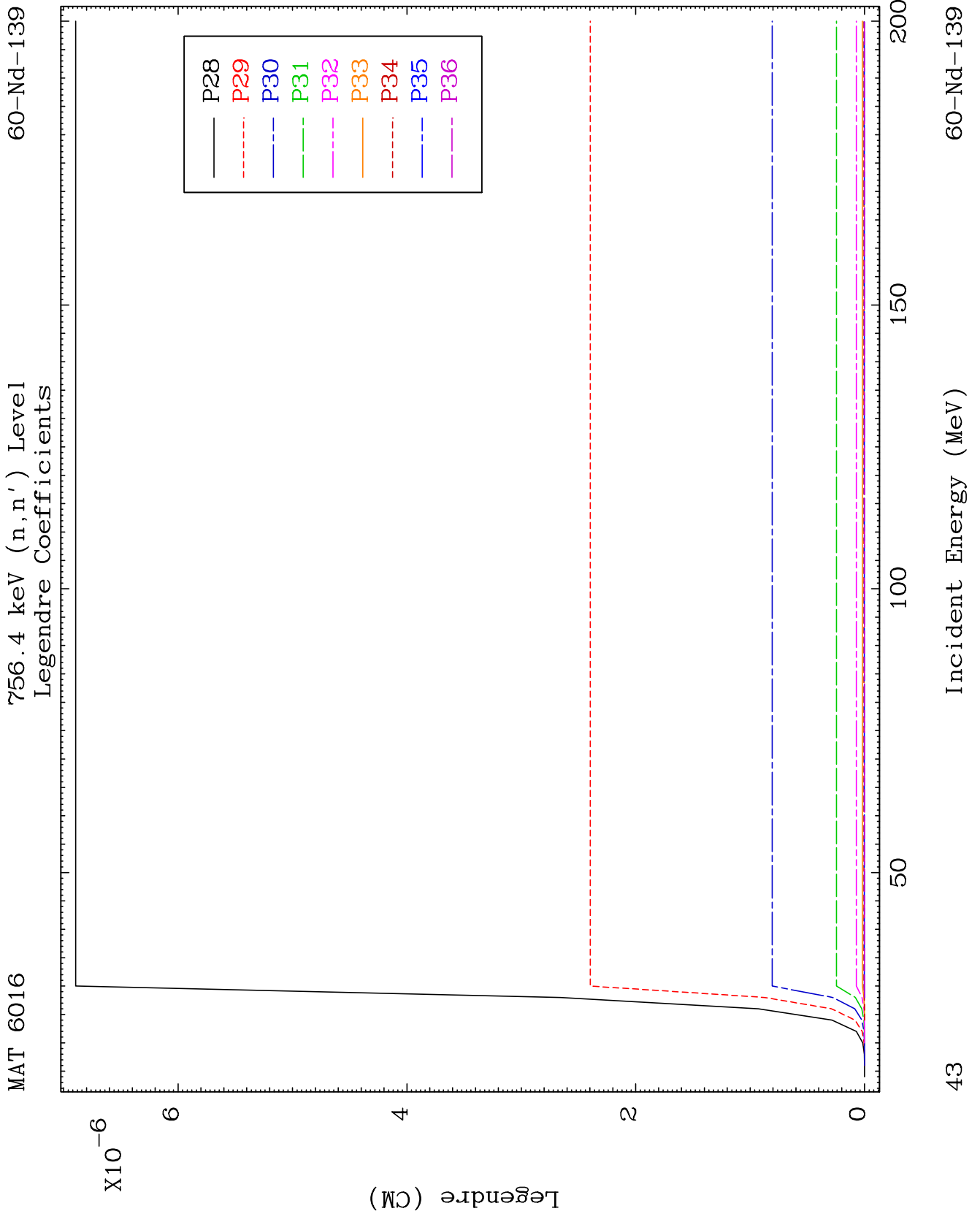


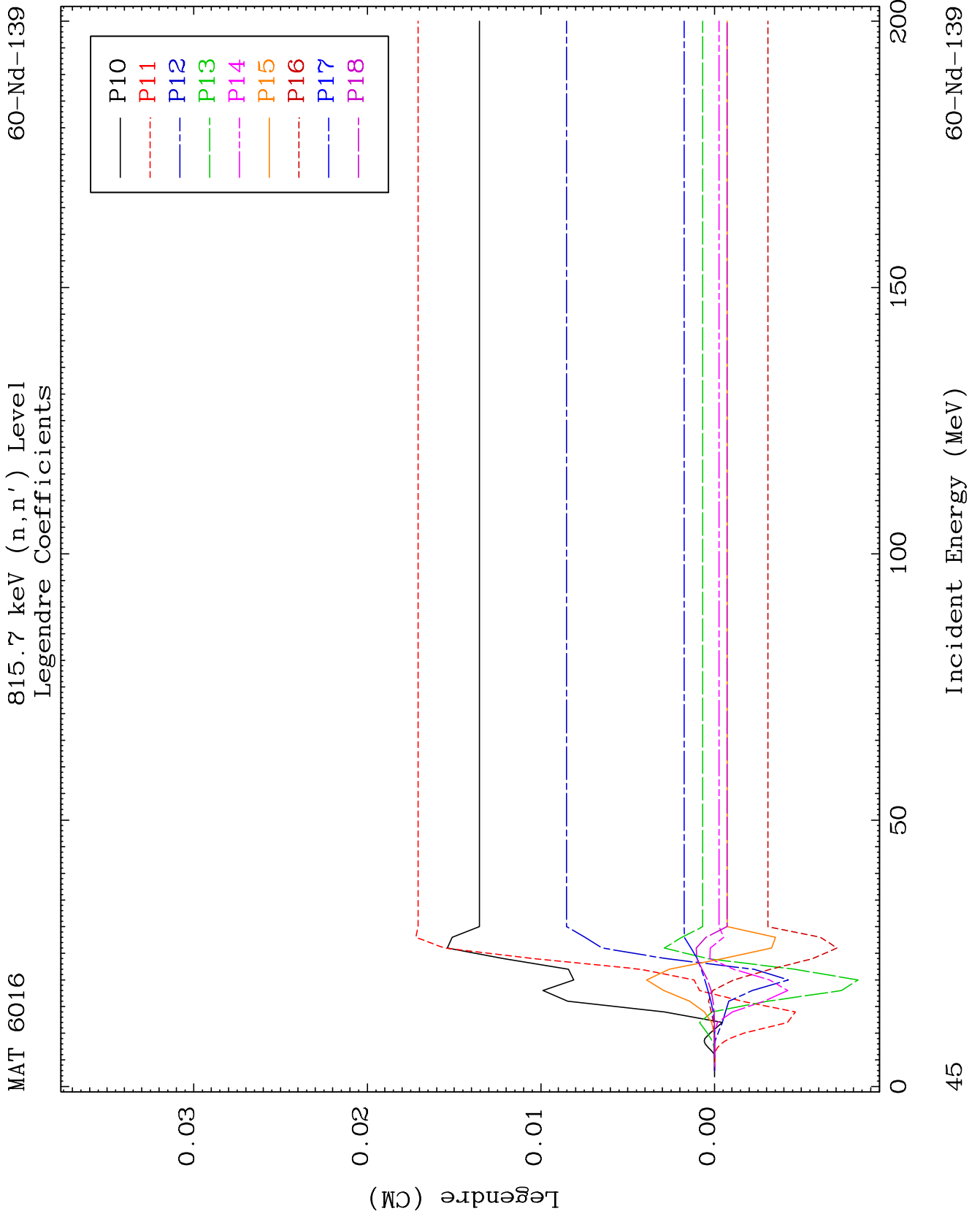








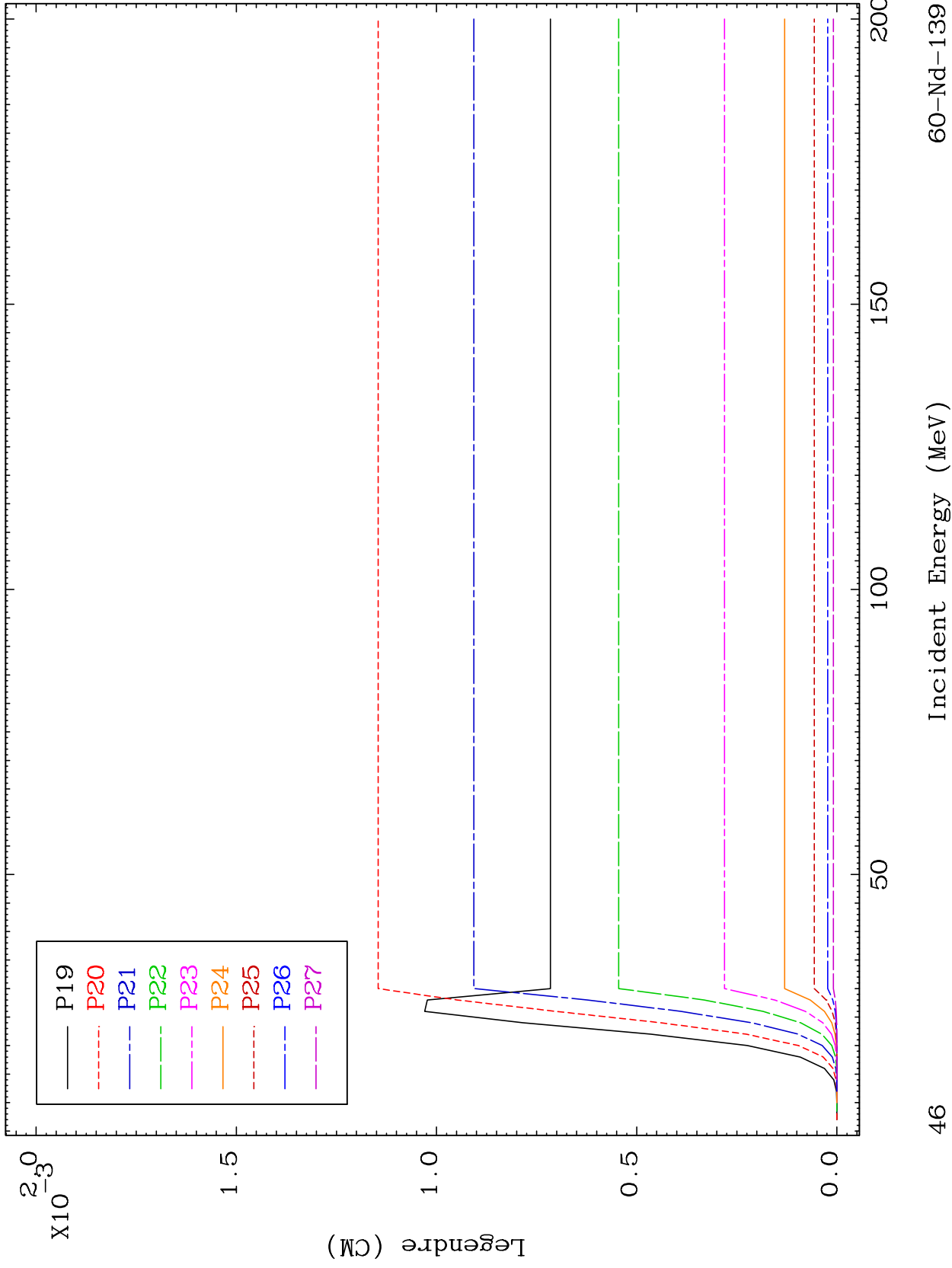




MAT 6016

815.7 keV (n, n') Level
Legendre Coefficients

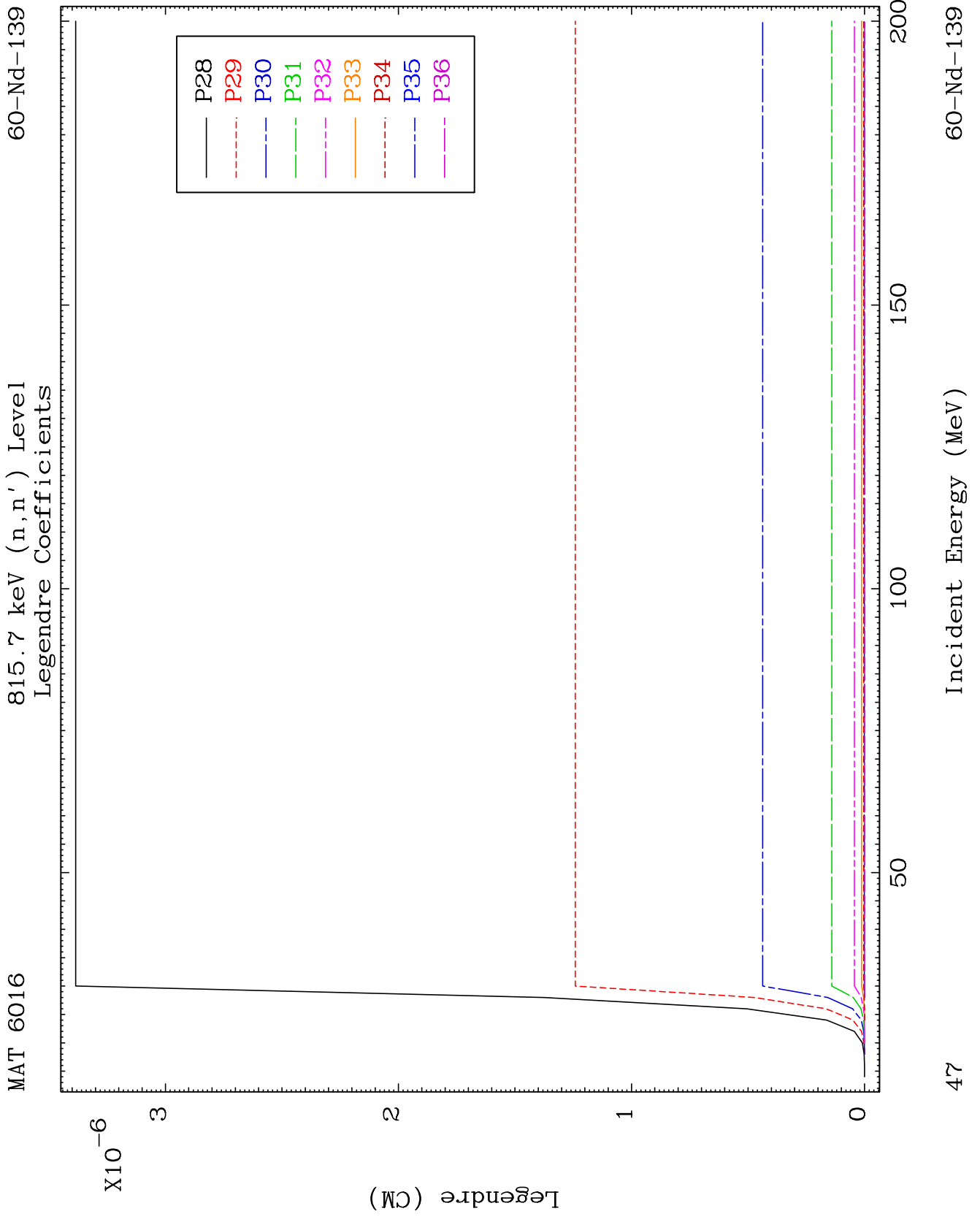
60-Nd-139

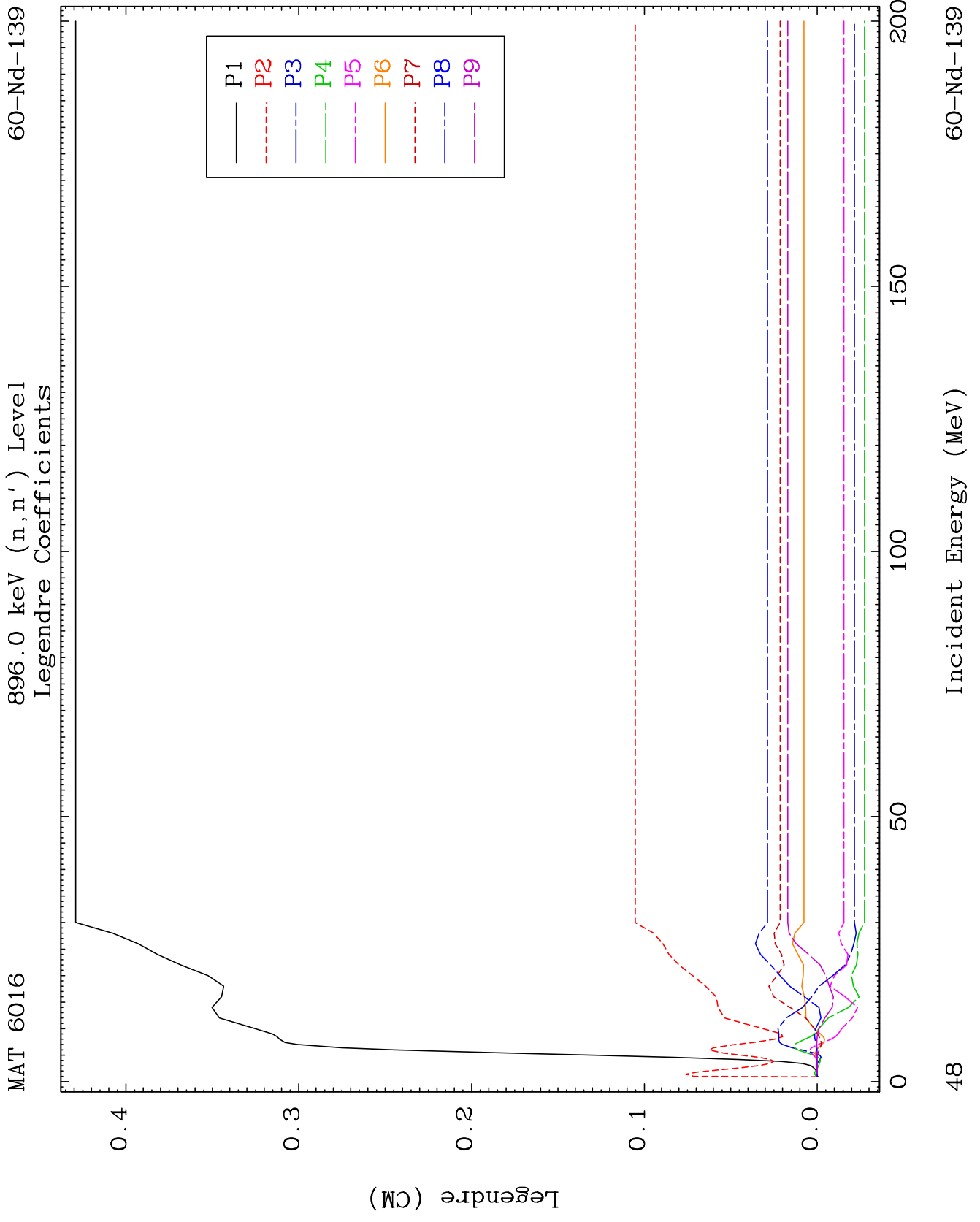


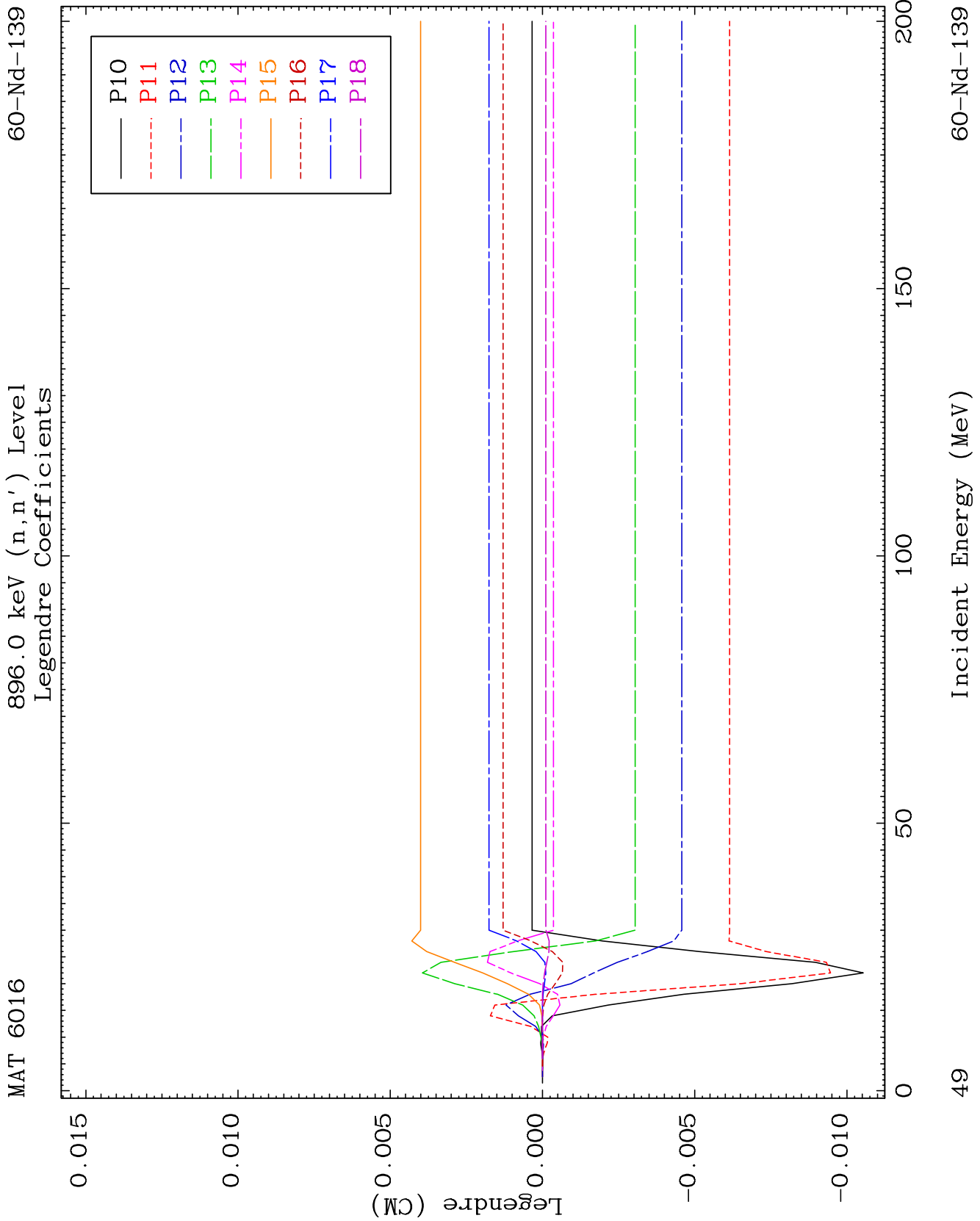
46

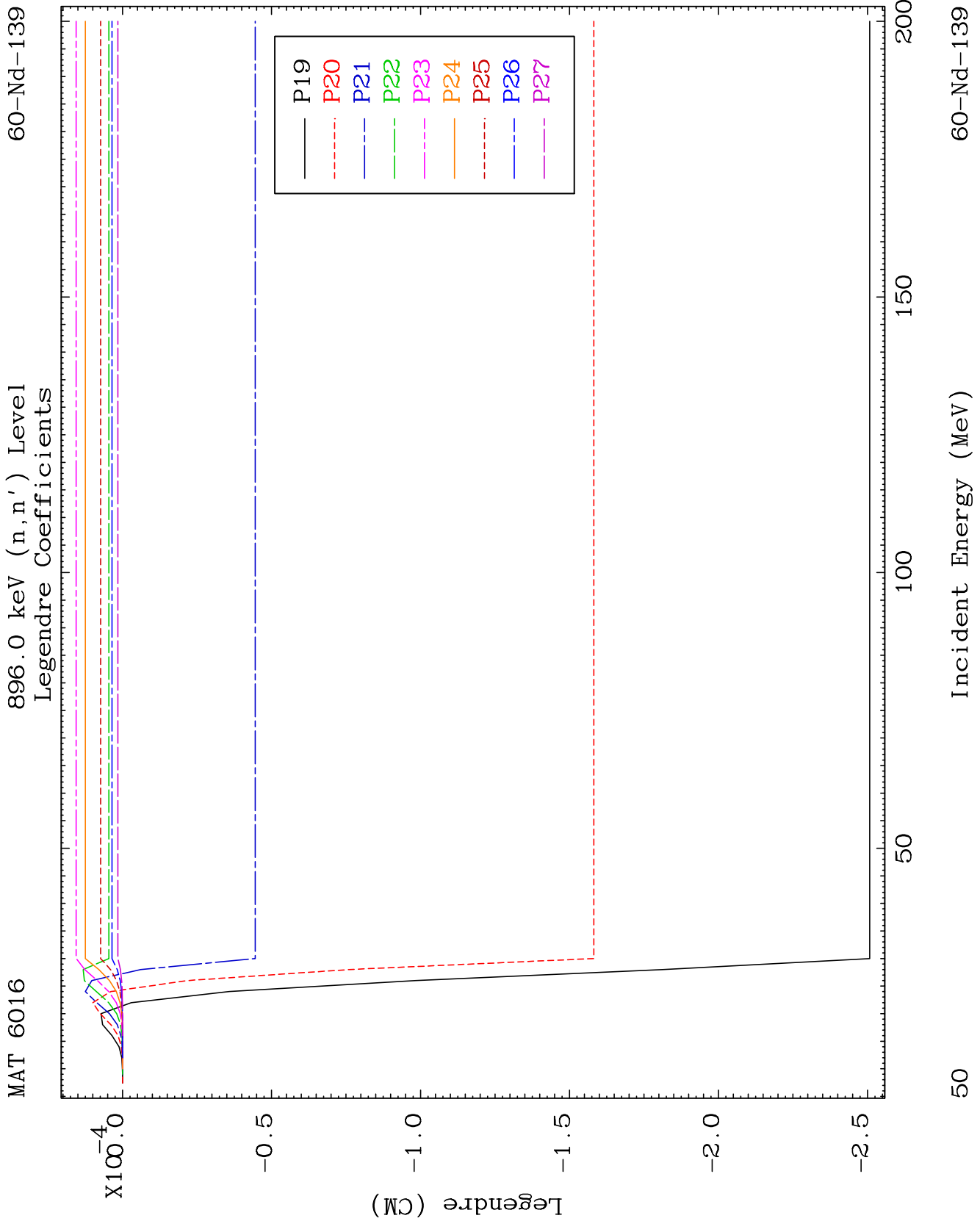
Incident Energy (MeV)

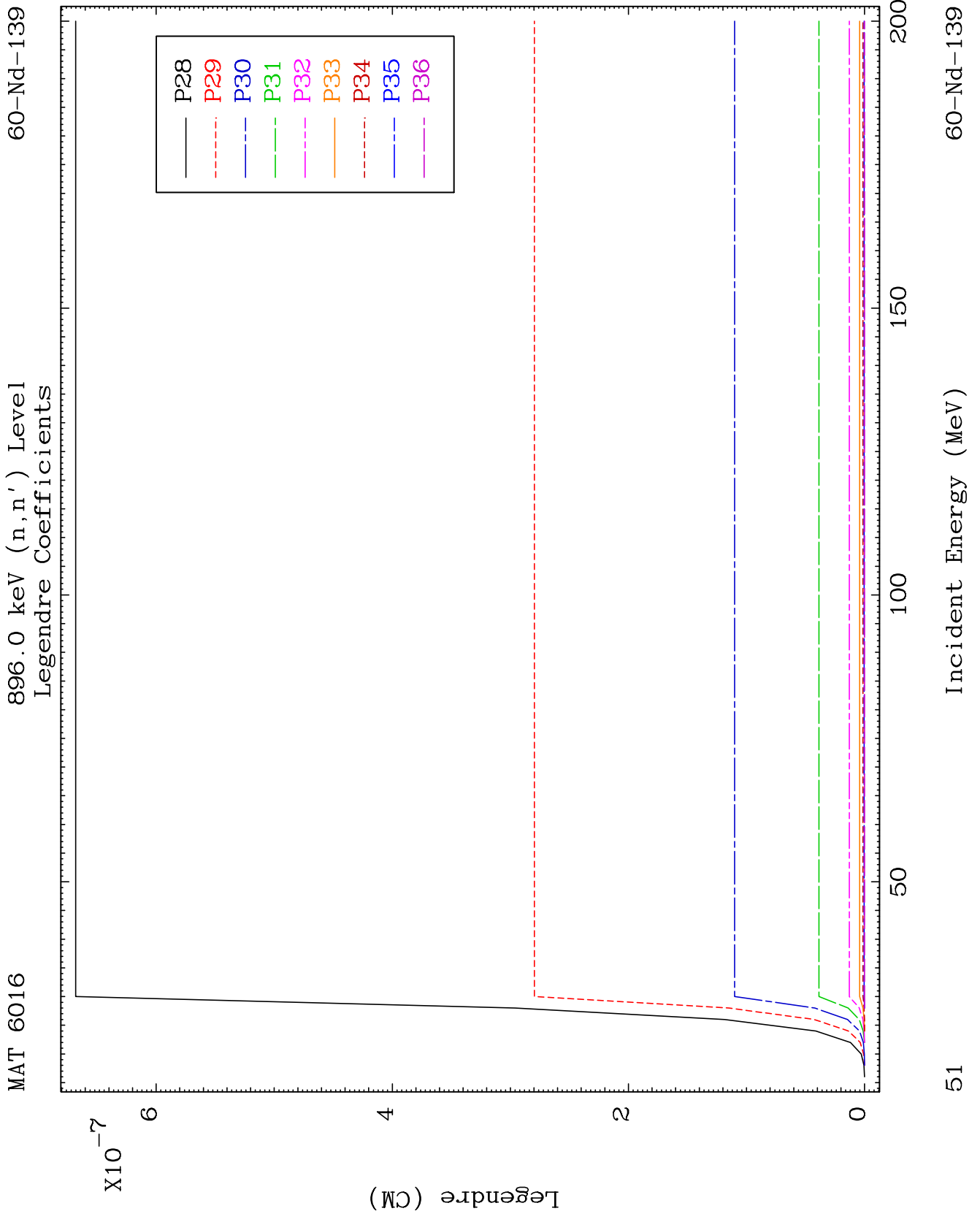
60-Nd-139







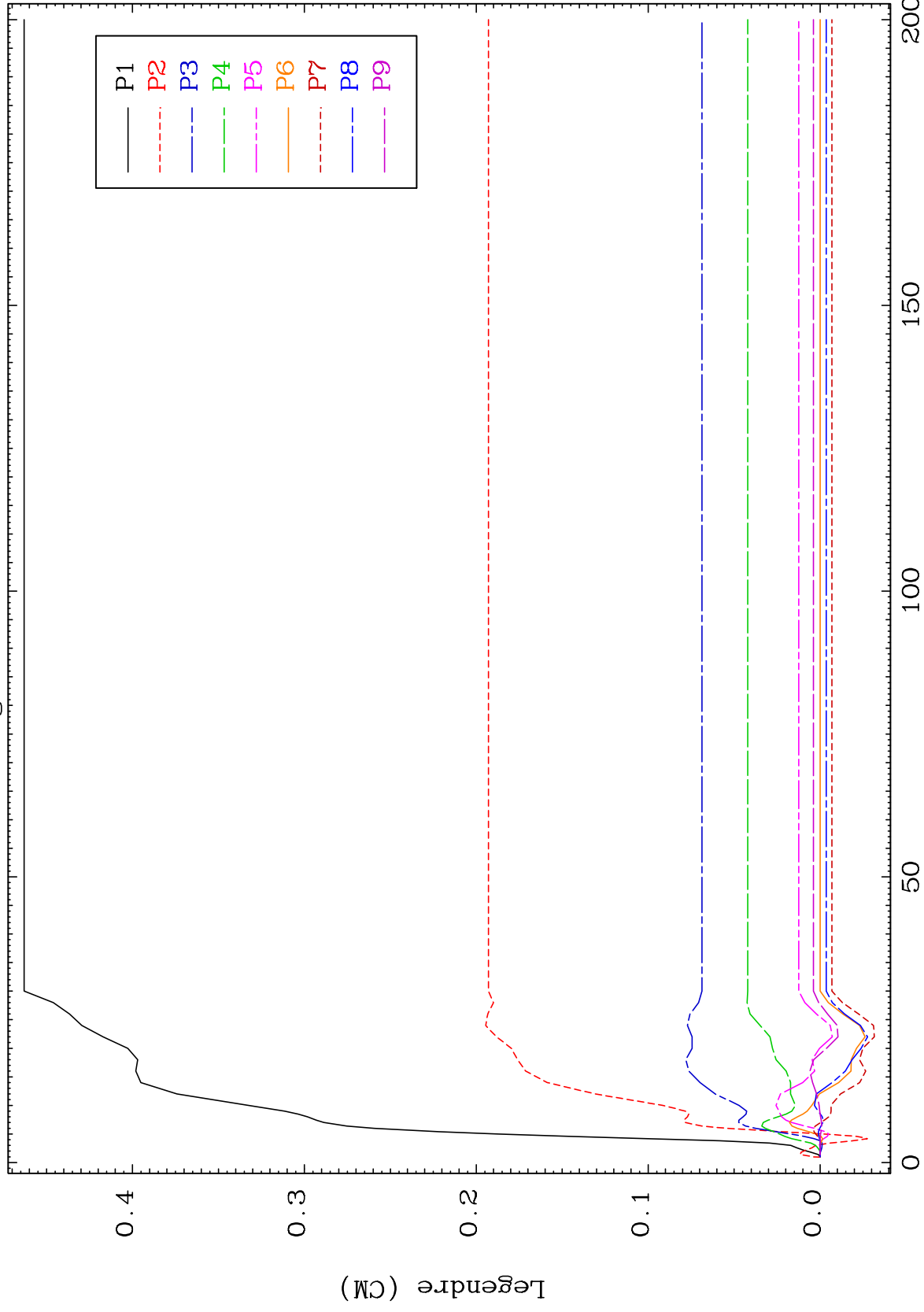




MAT 6016

932.9 keV (n,n') Level
Legendre Coefficients

60-Nd-139



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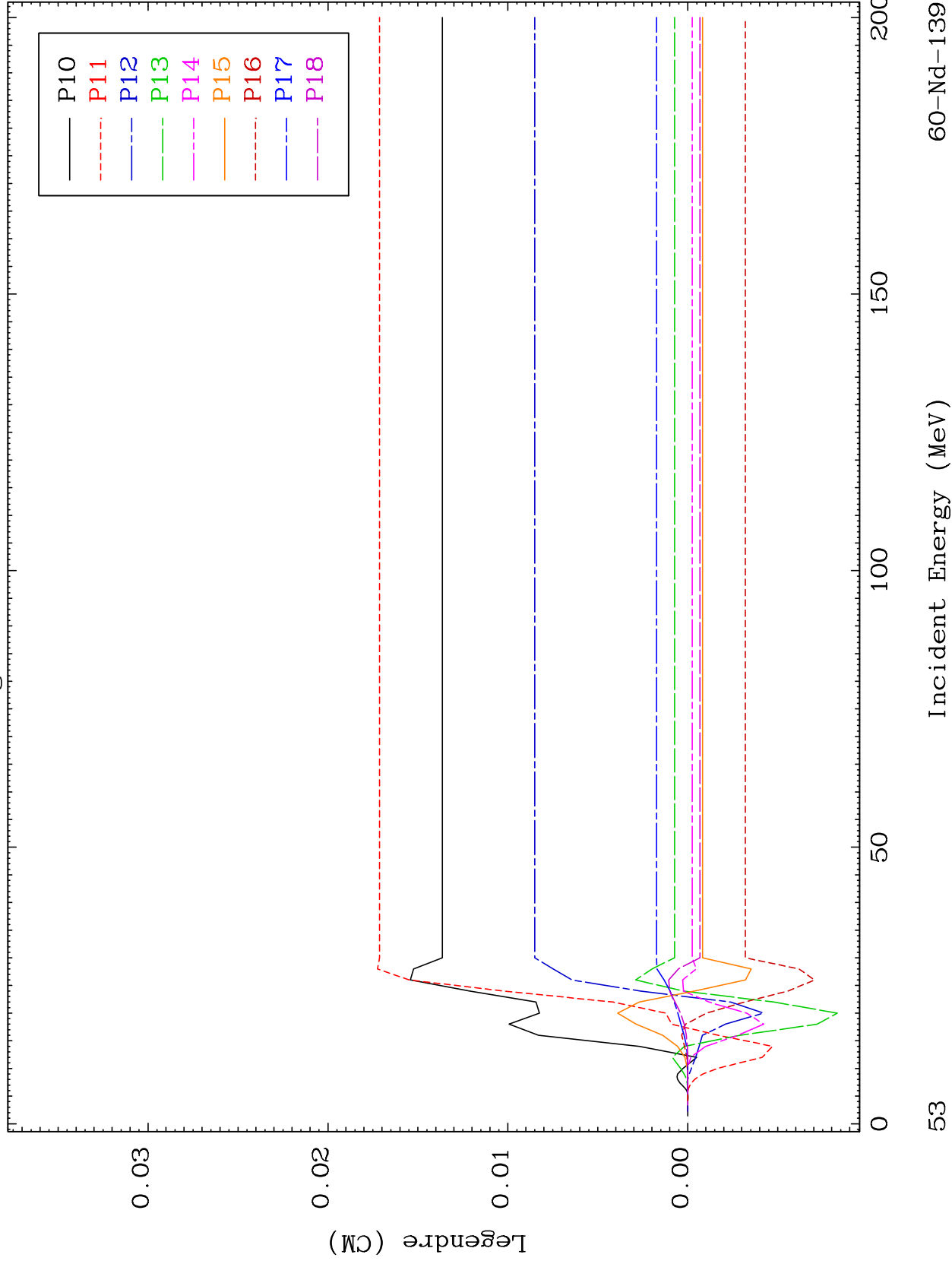
Incident Energy (MeV)

60-Nd-139

MAT 6016

932.9 keV (n,n') Level
Legendre Coefficients

60-Nd-139



60-Nd-139

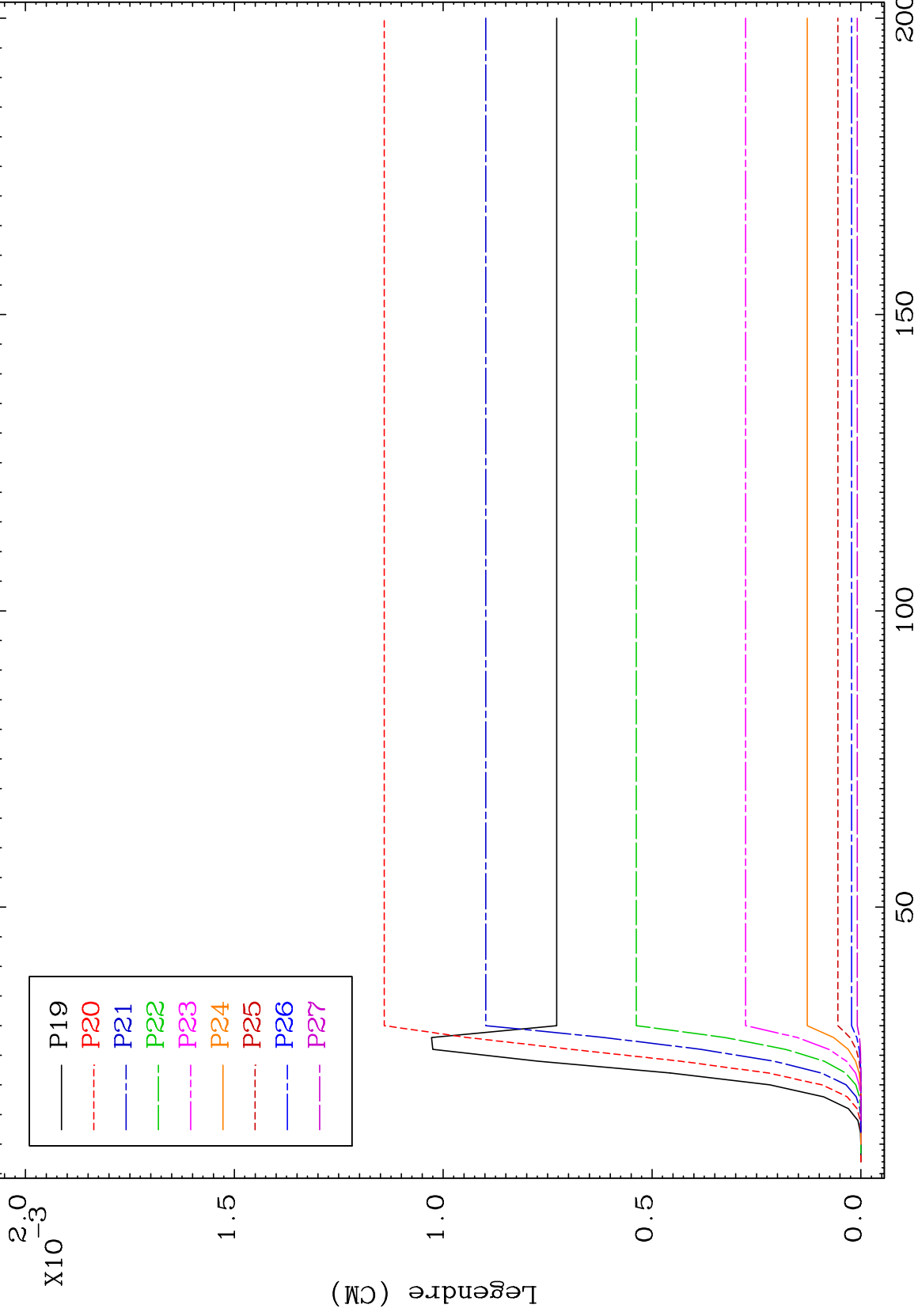
Incident Energy (MeV)

53

MAT 6016

932.9 keV (n,n') Level
Legendre Coefficients

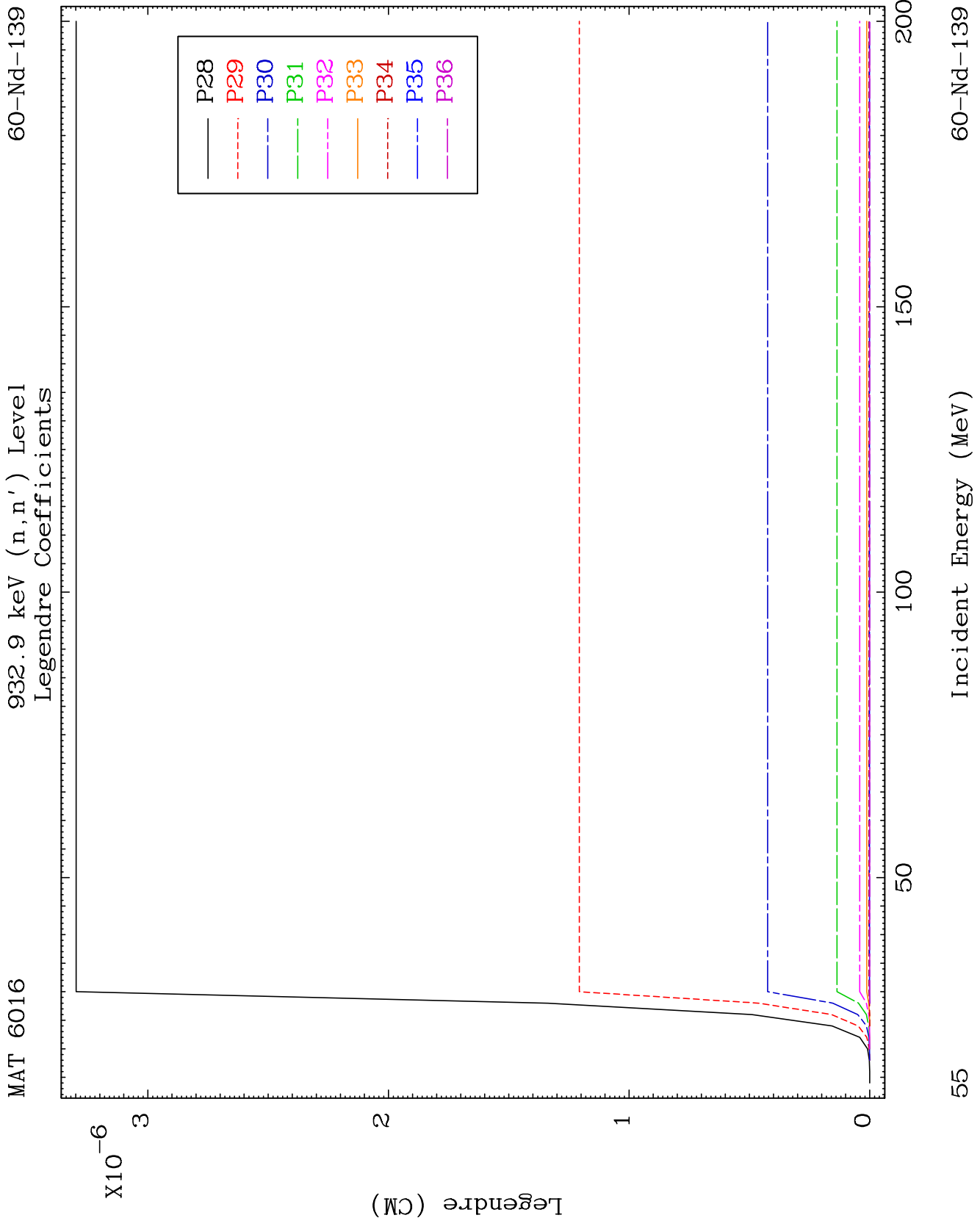
60-Nd-139

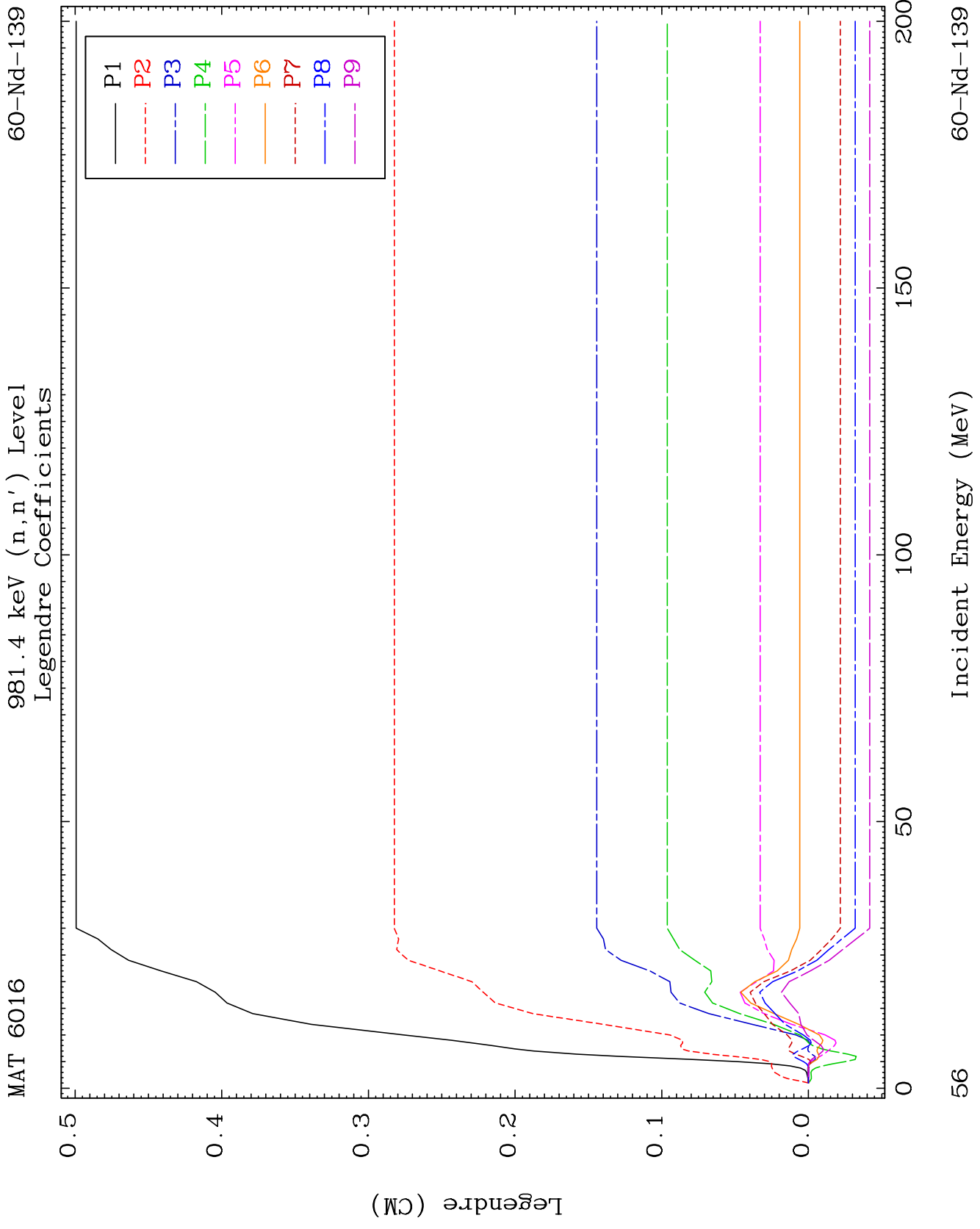


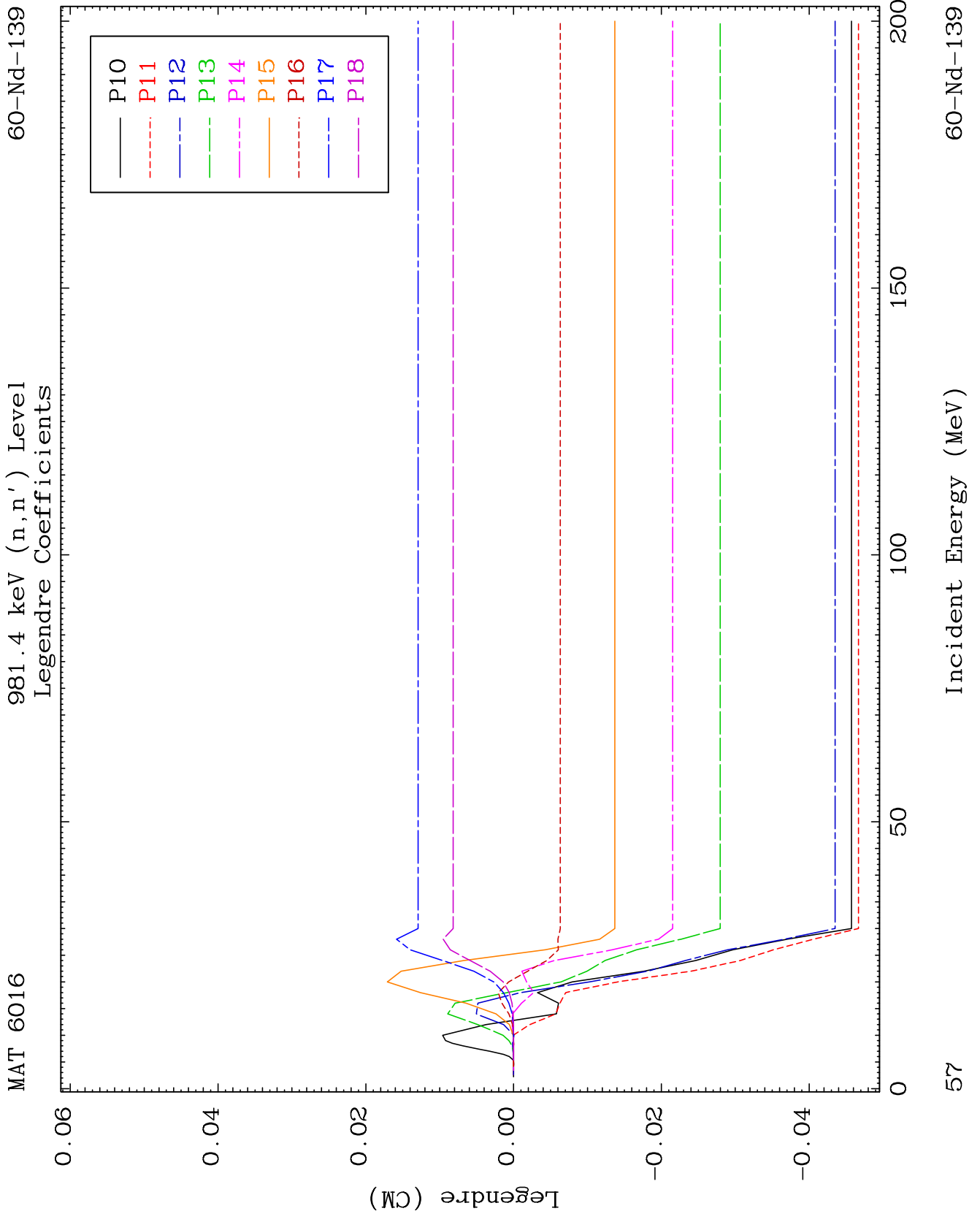
54

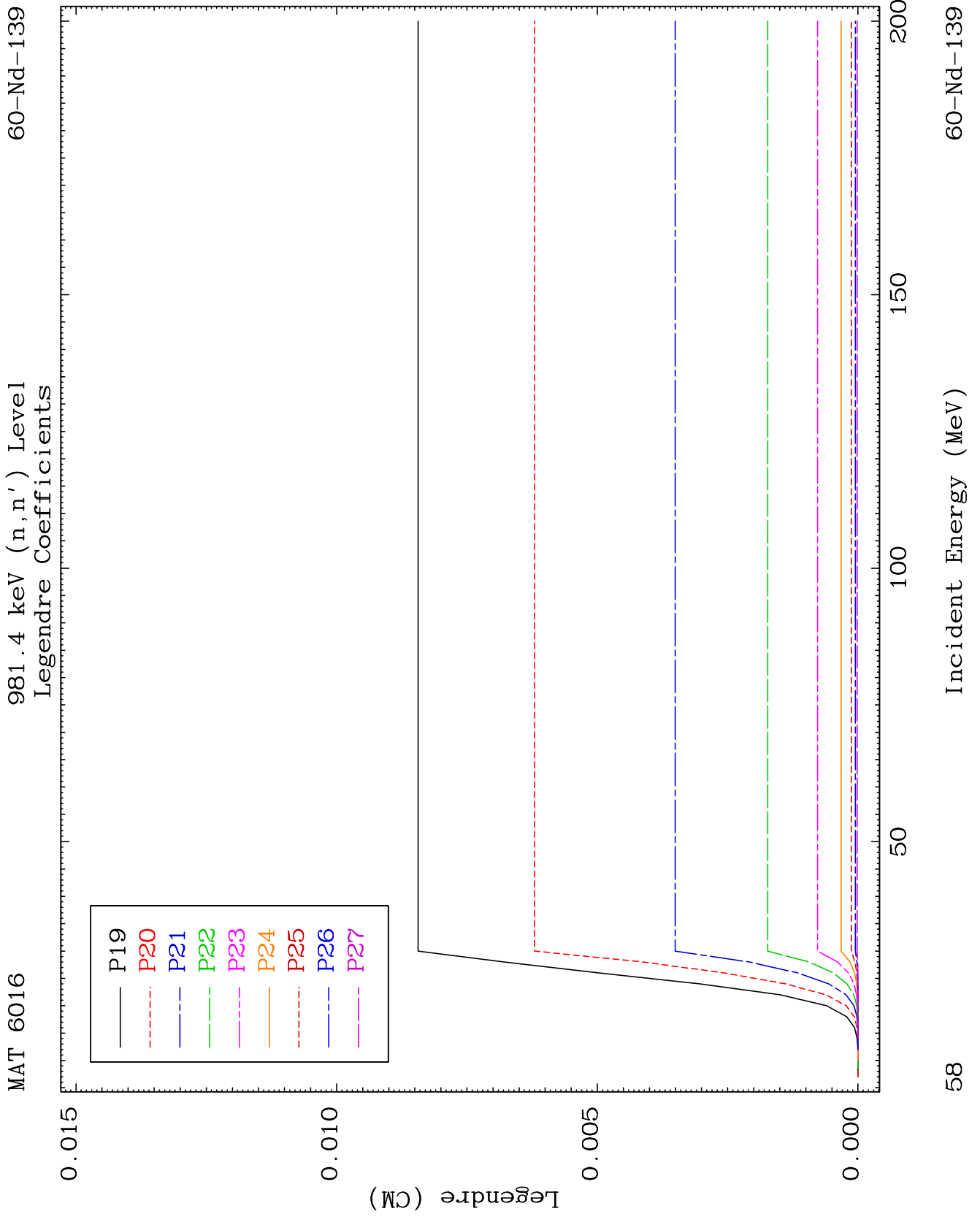
Incident Energy (MeV)

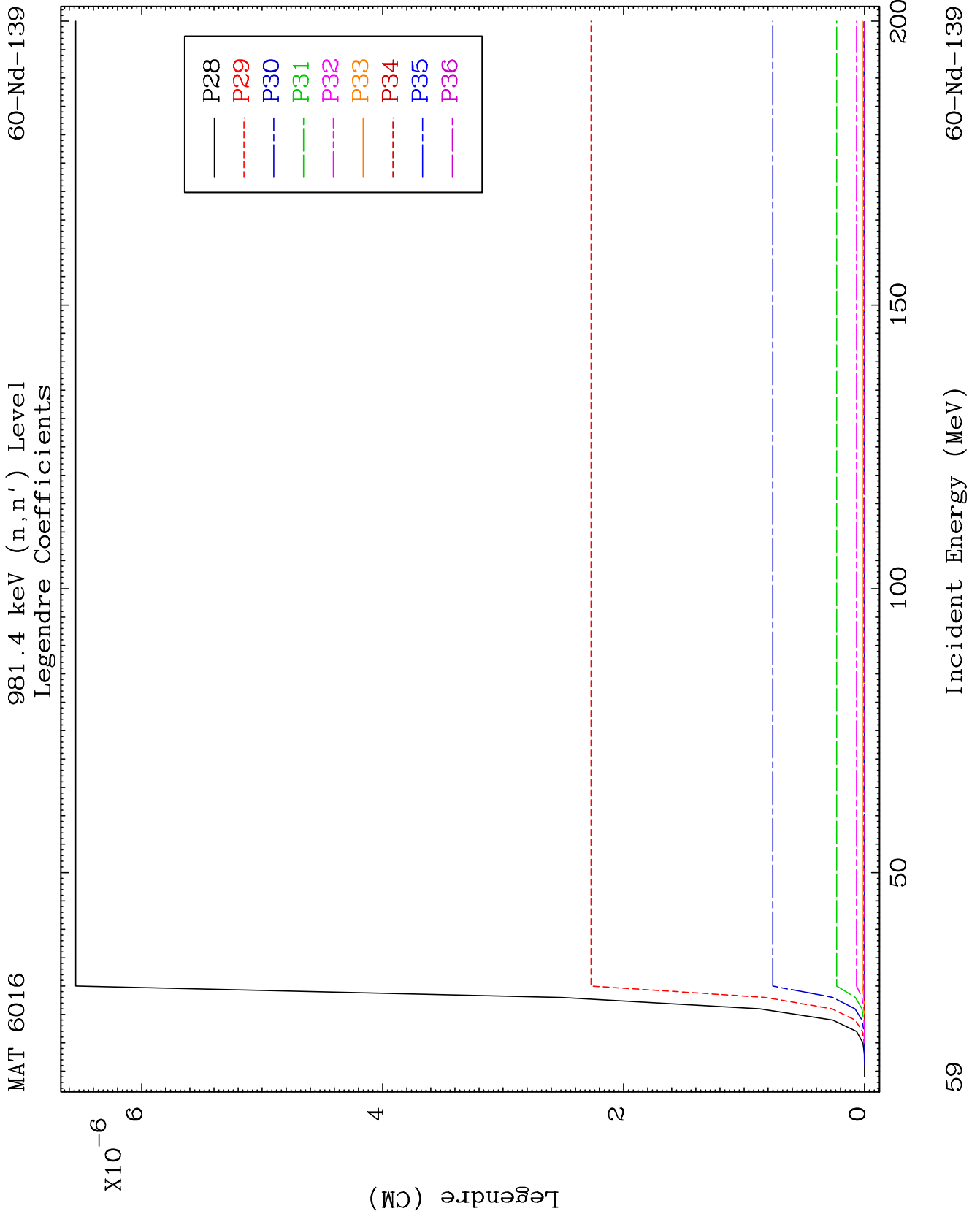
60-Nd-139

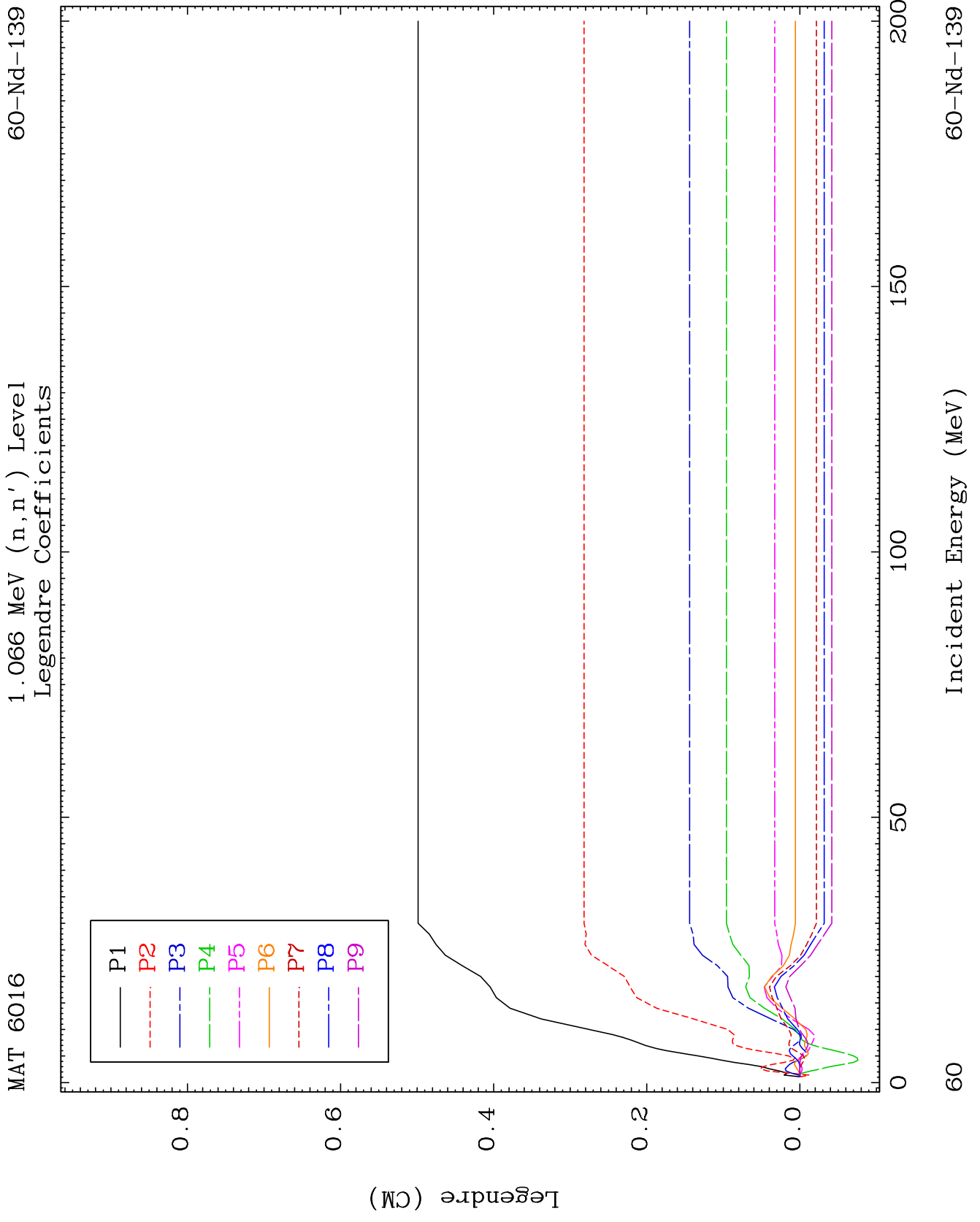


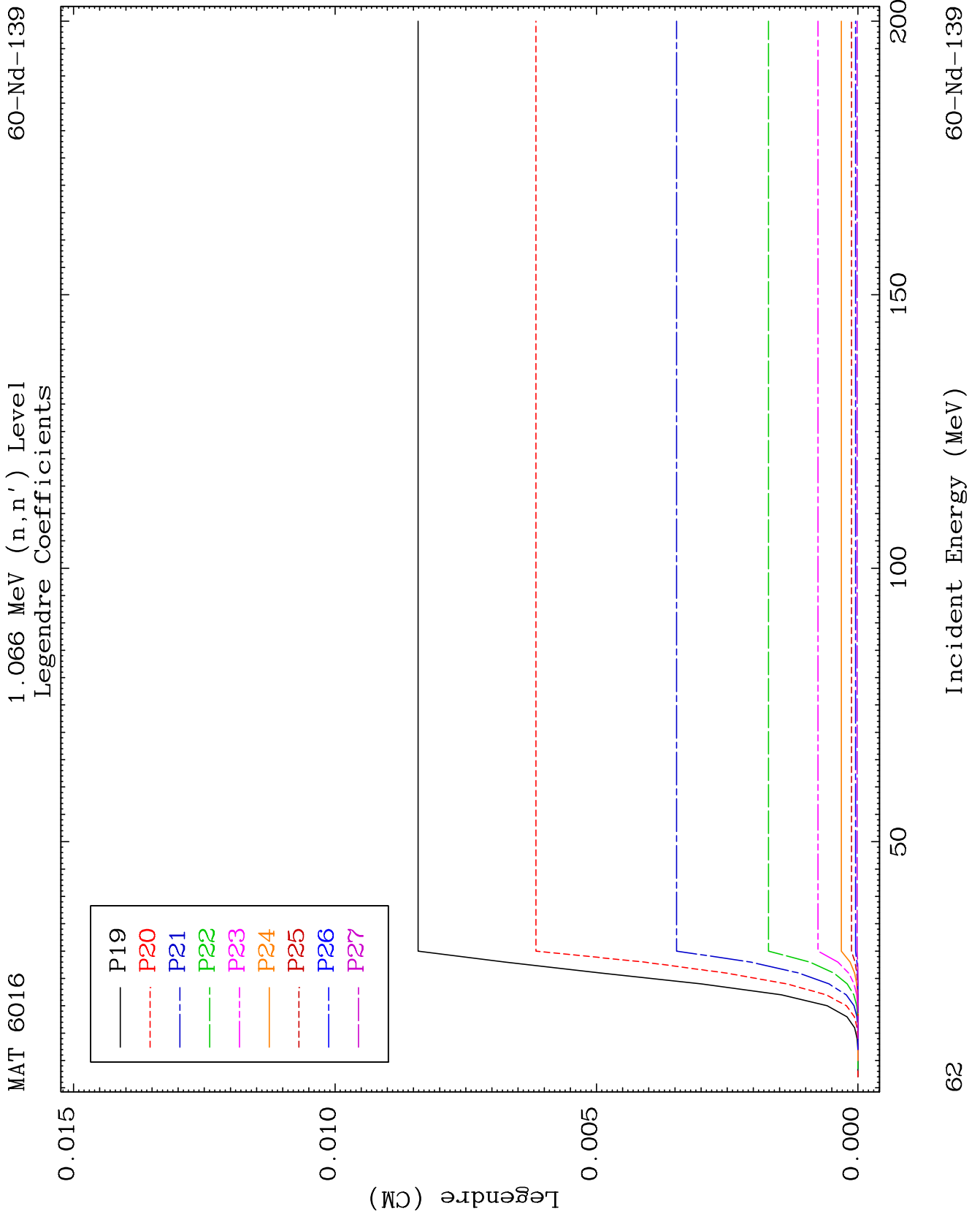


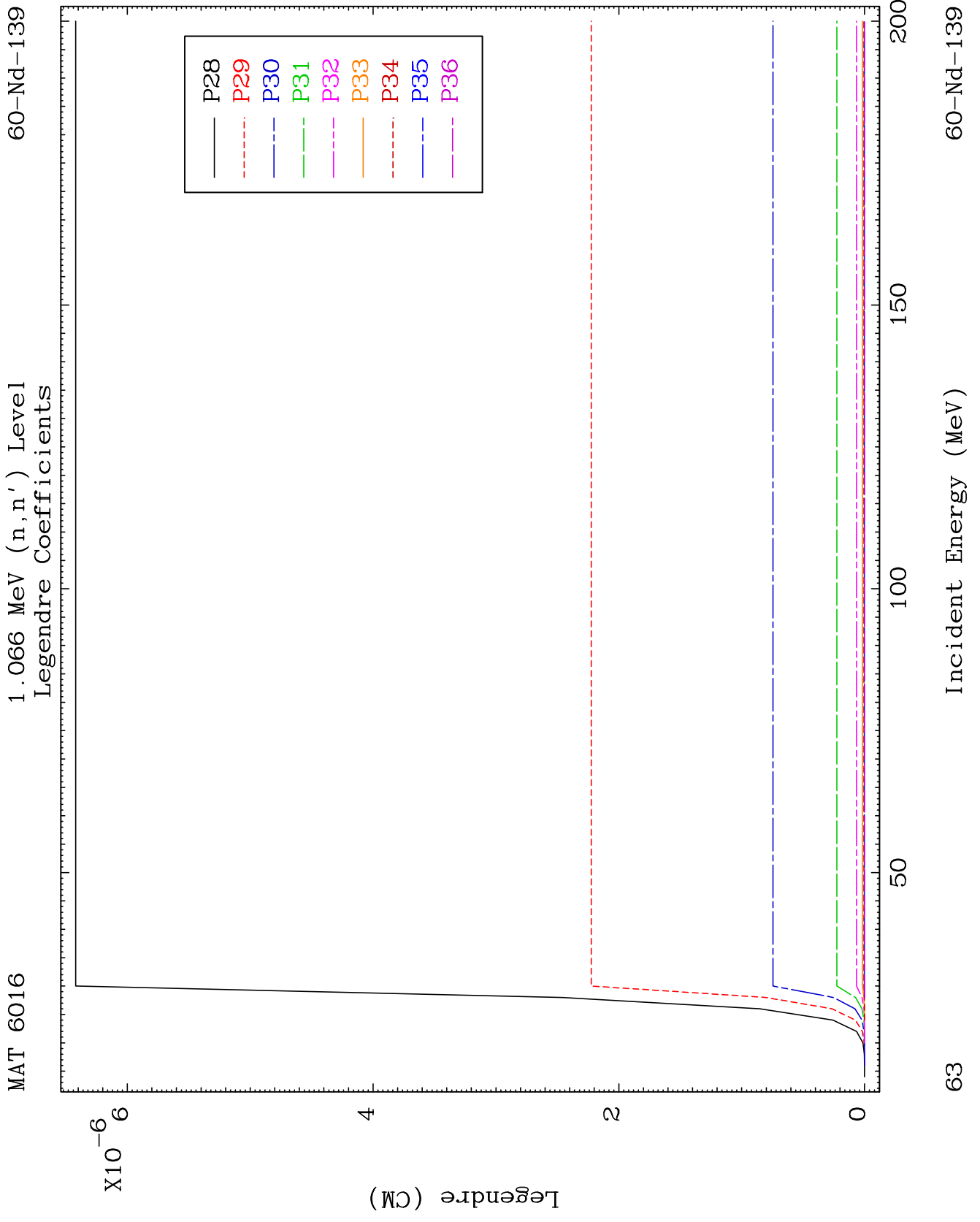


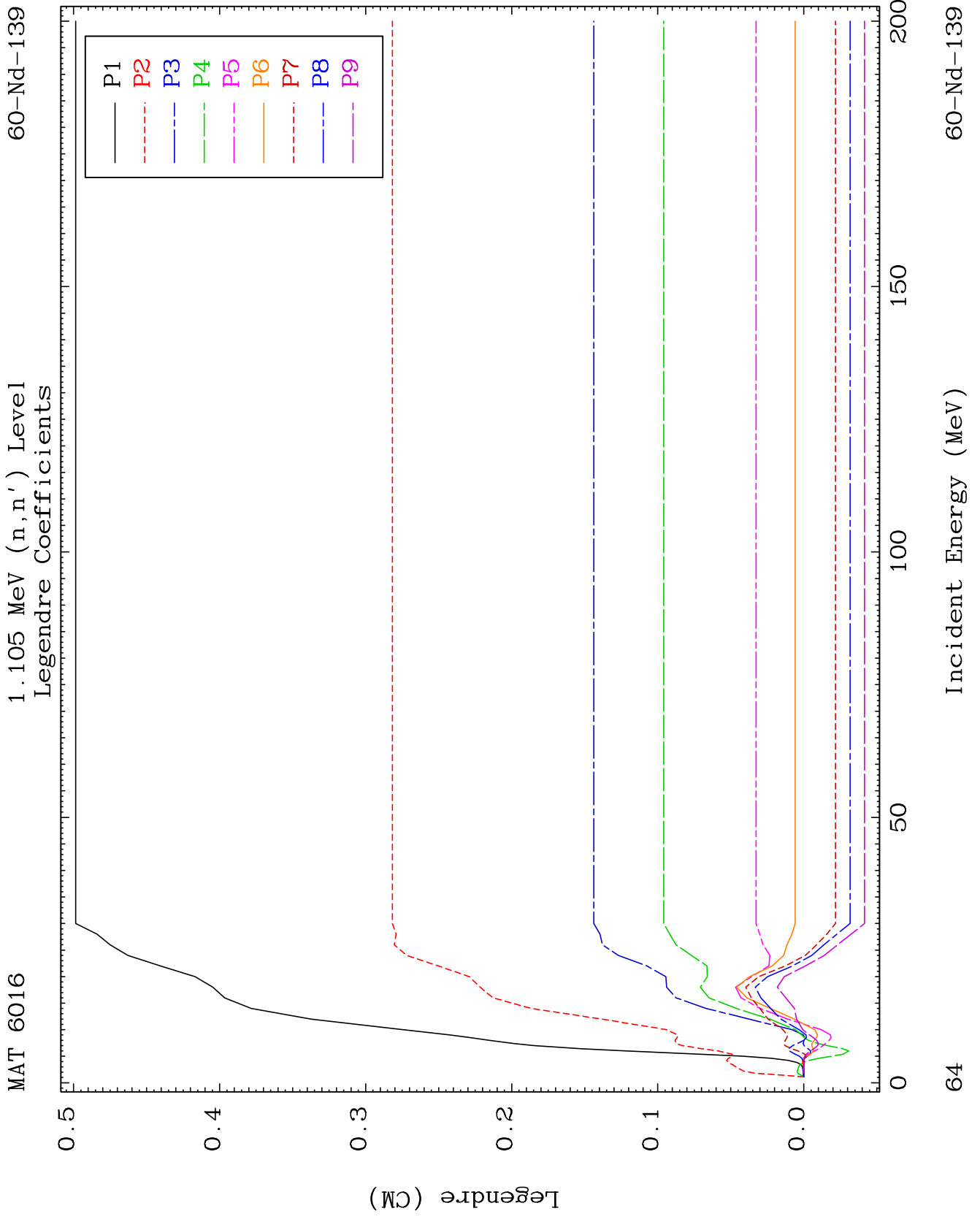


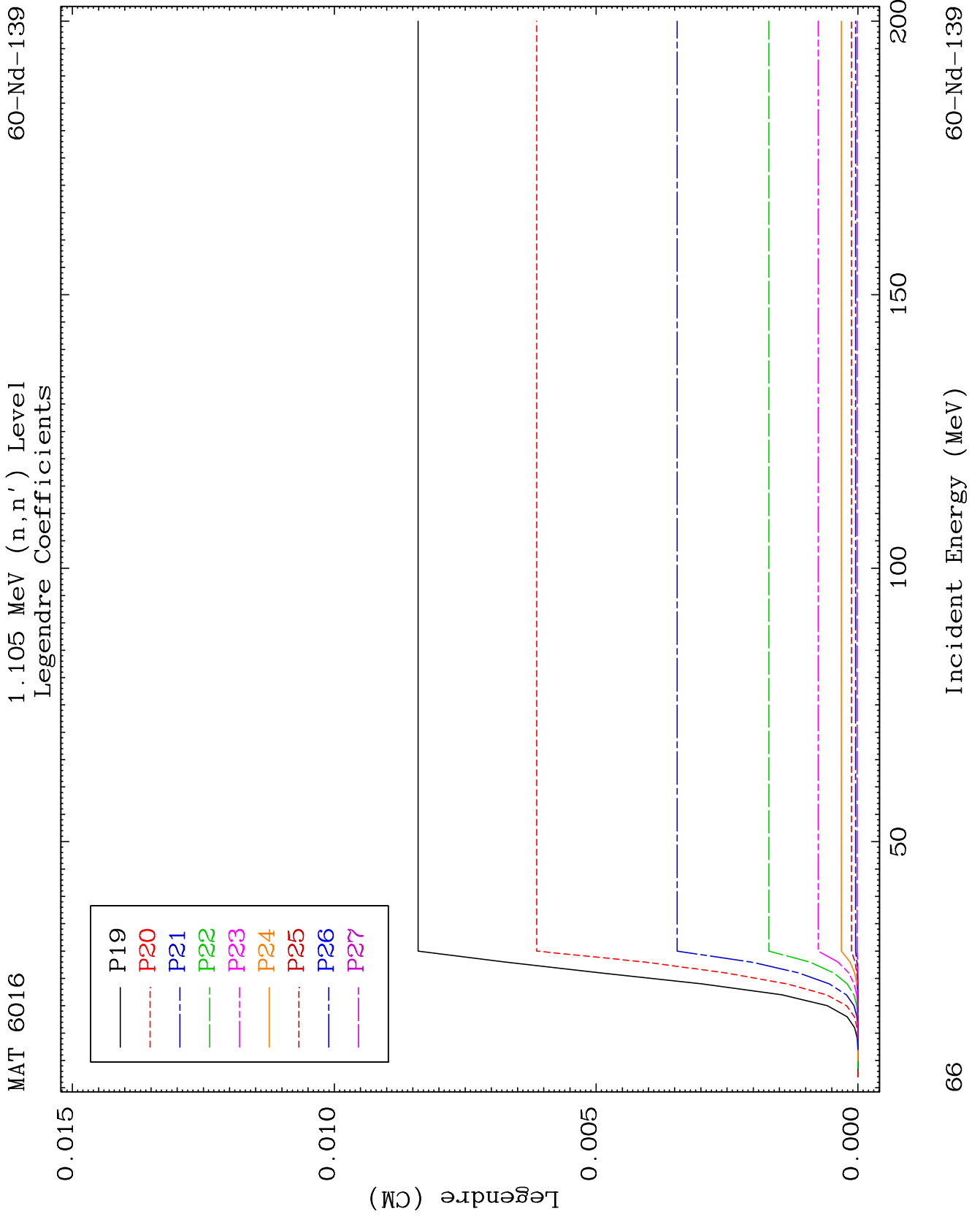


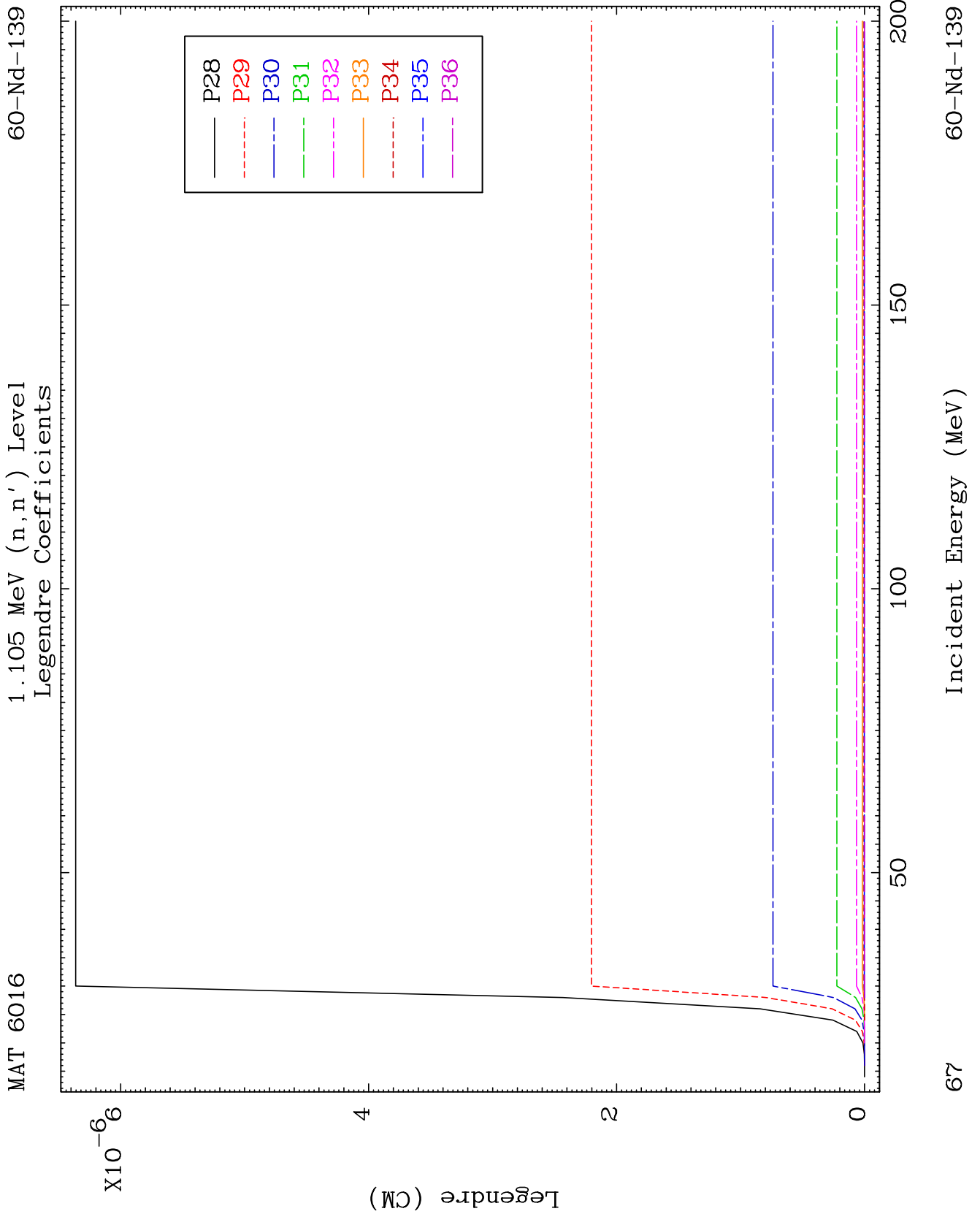


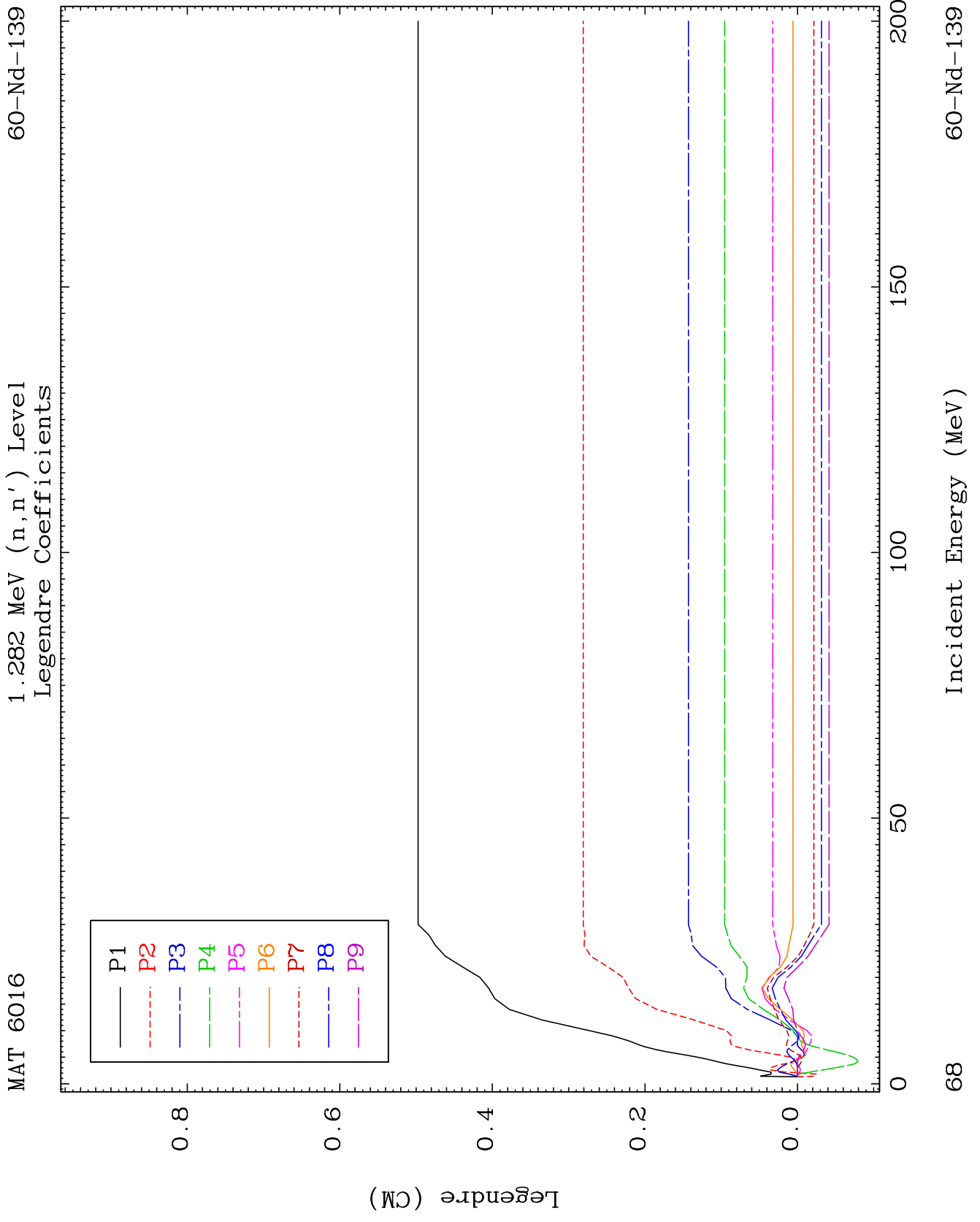


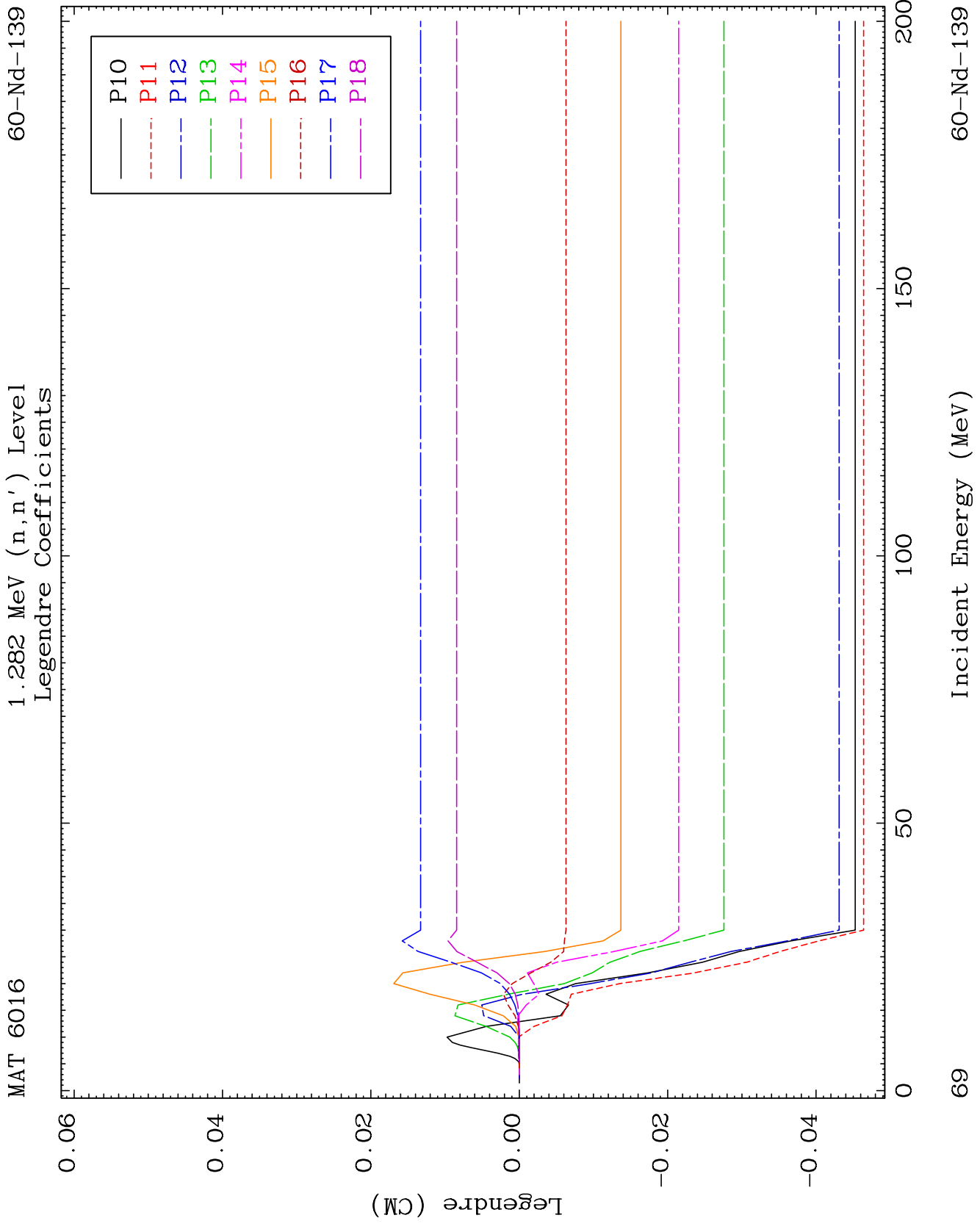


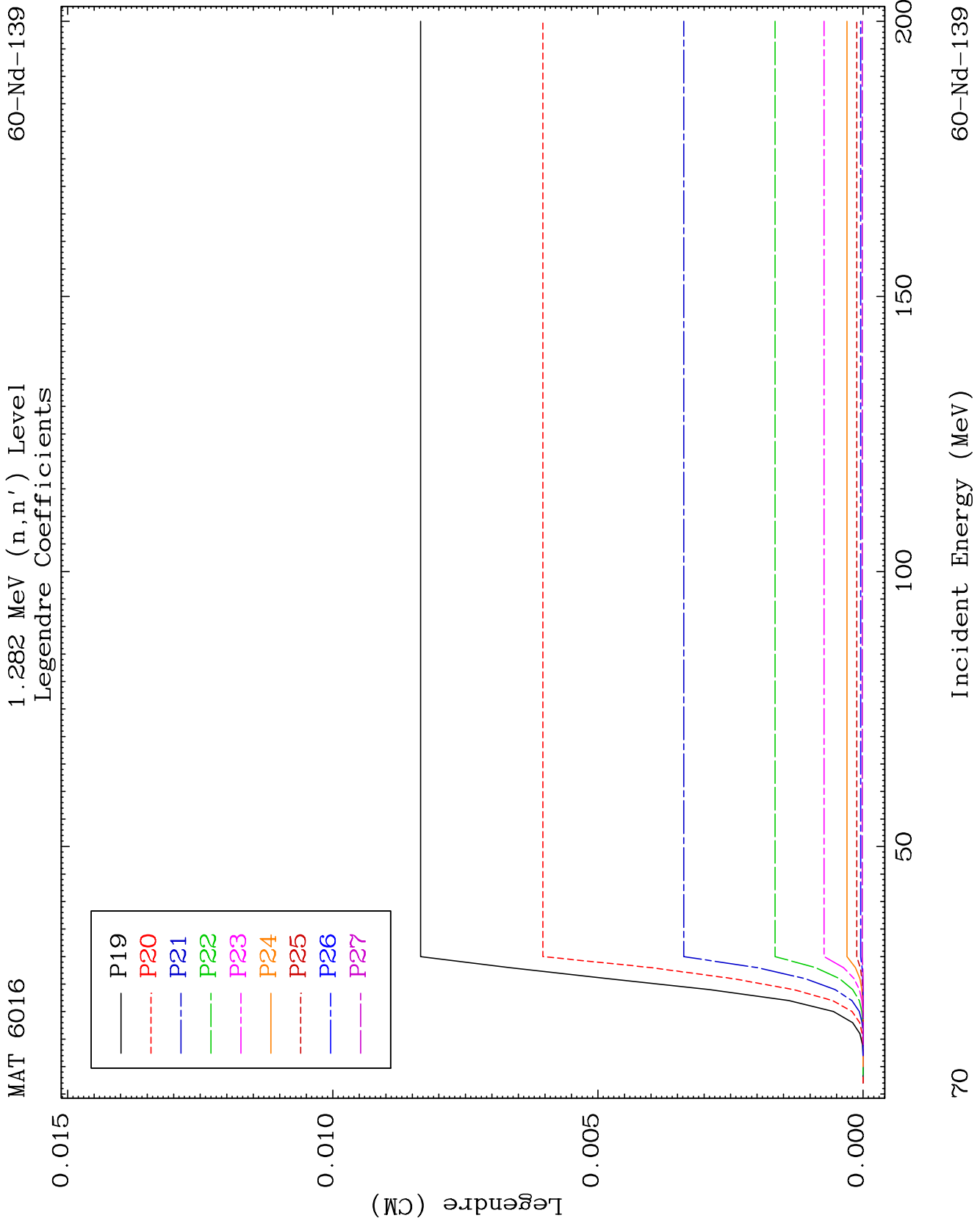


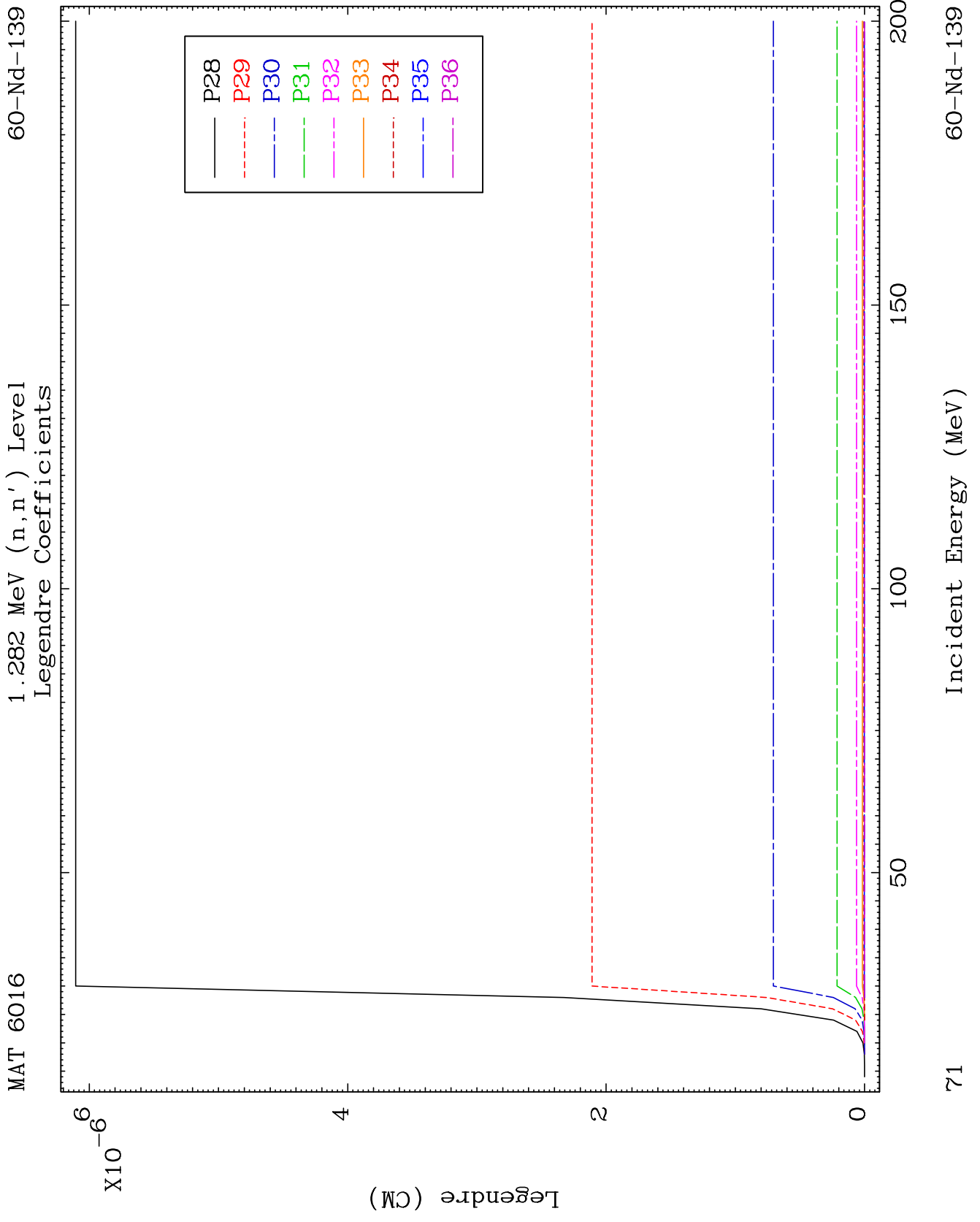


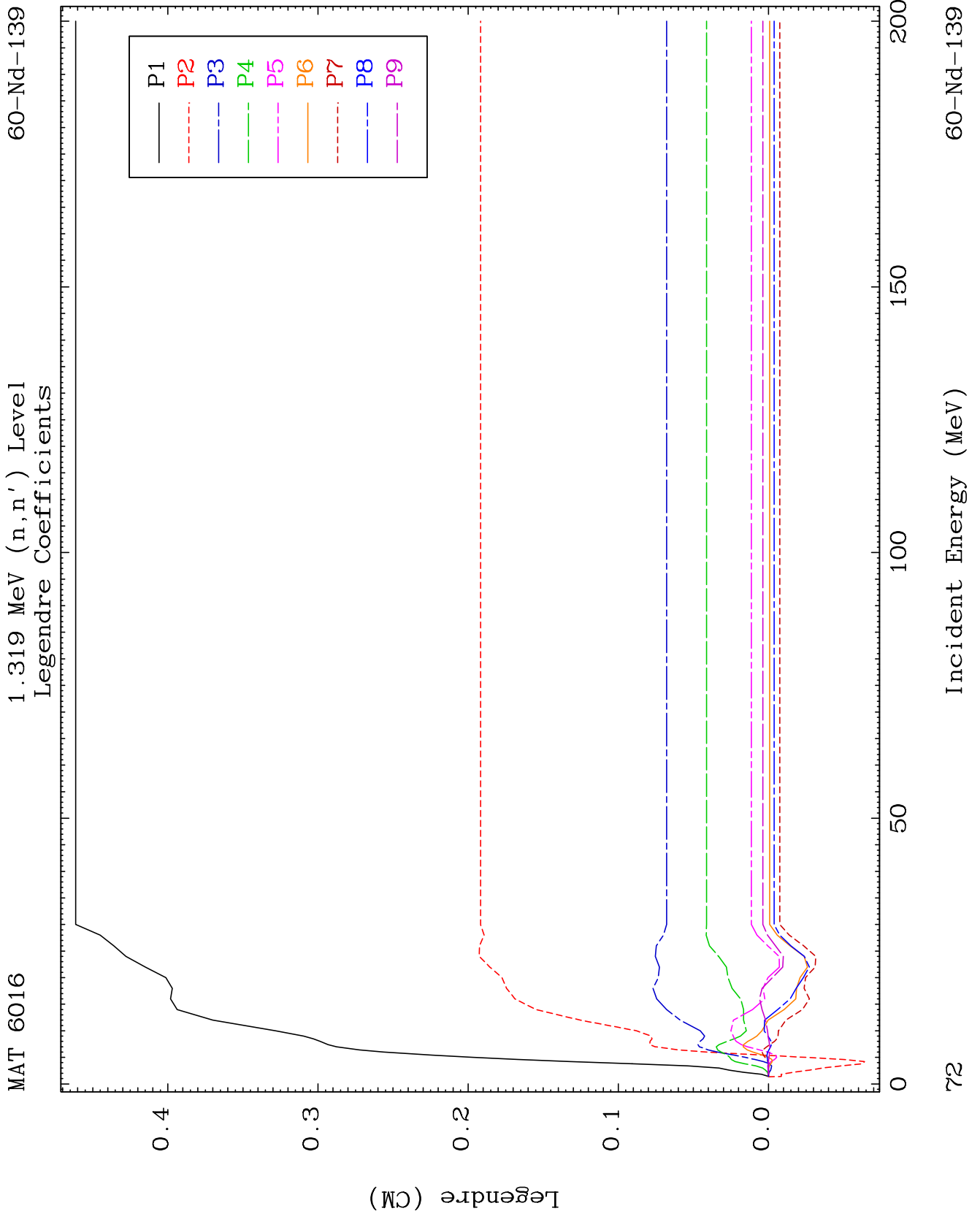


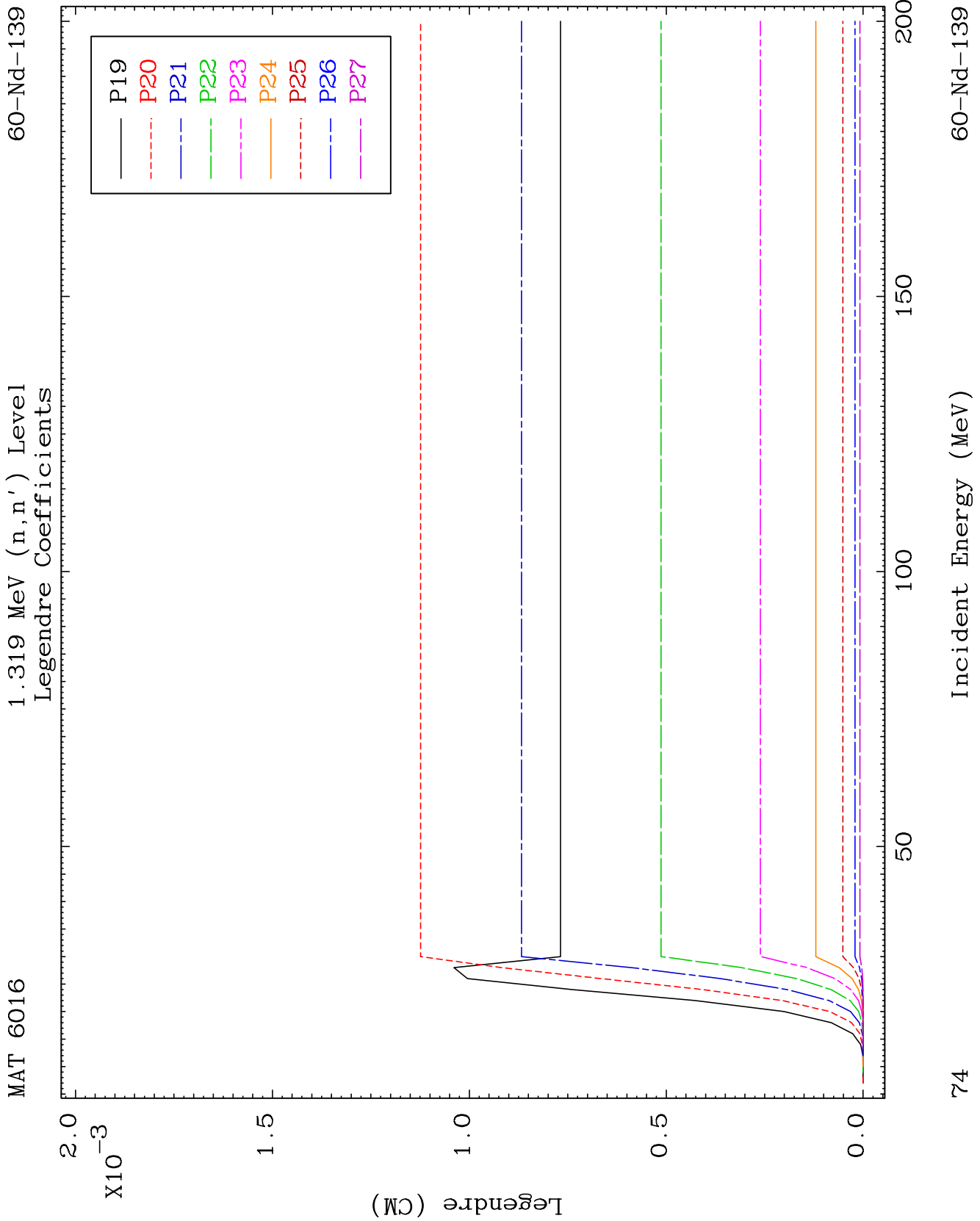


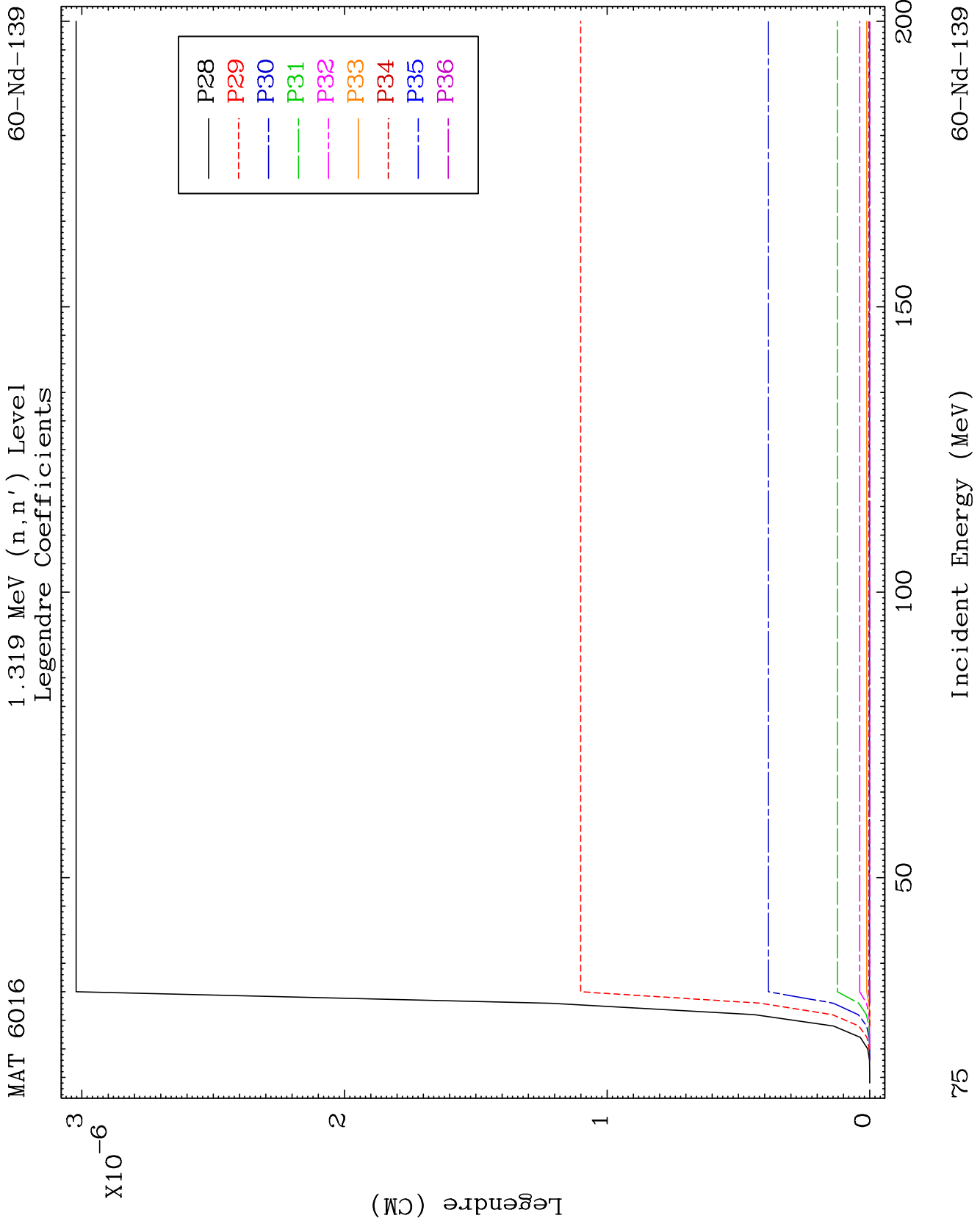


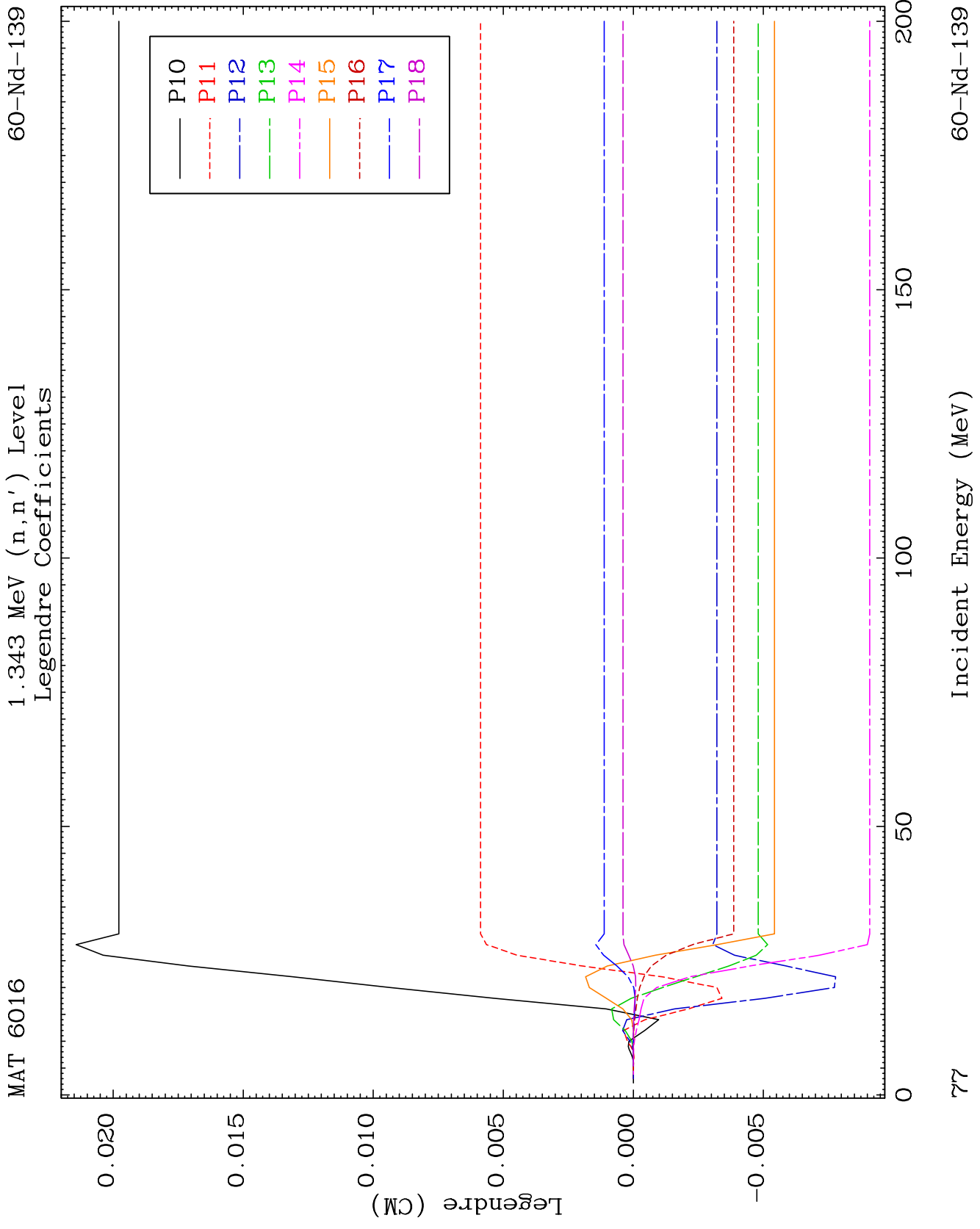








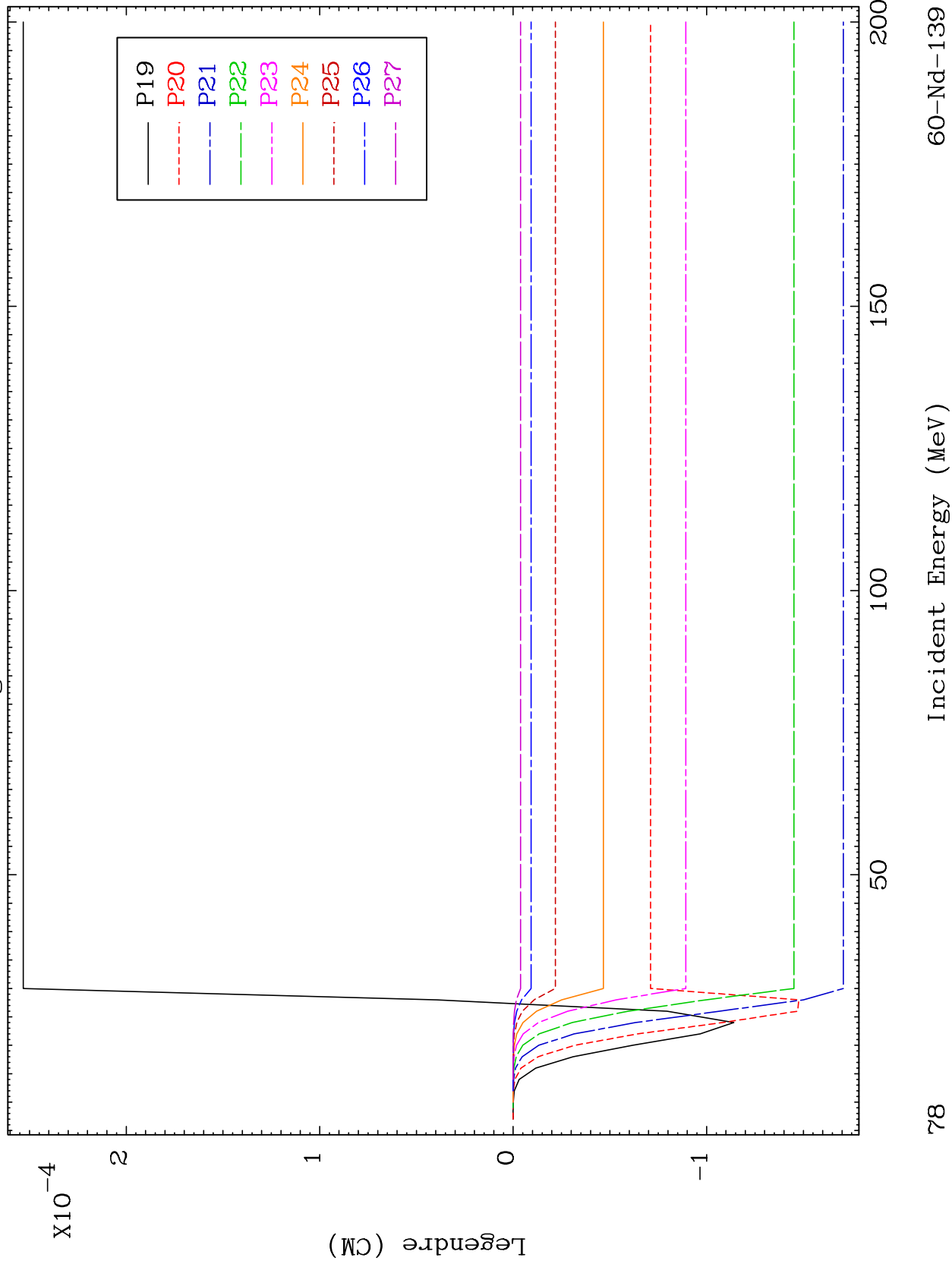


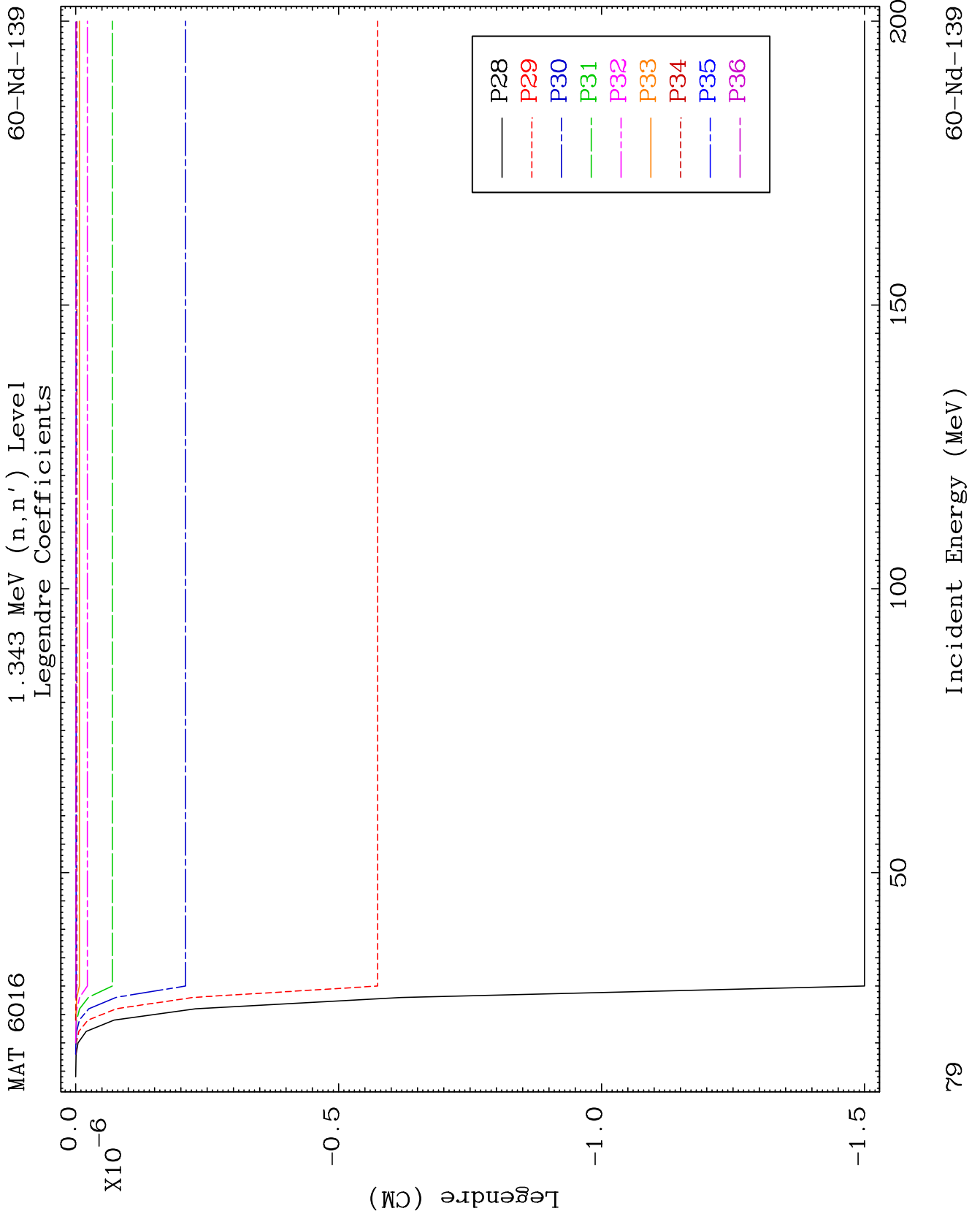


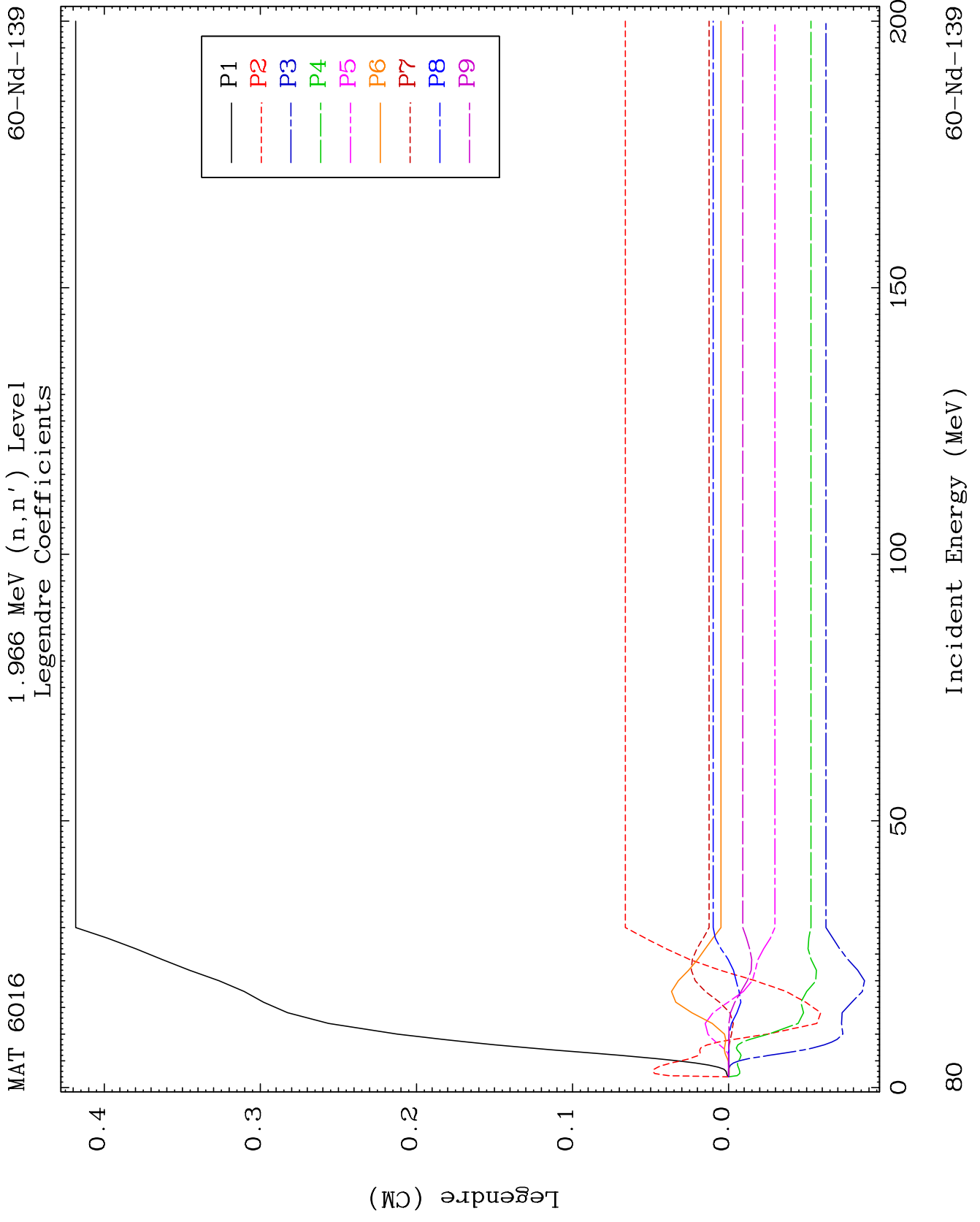
MAT 6016

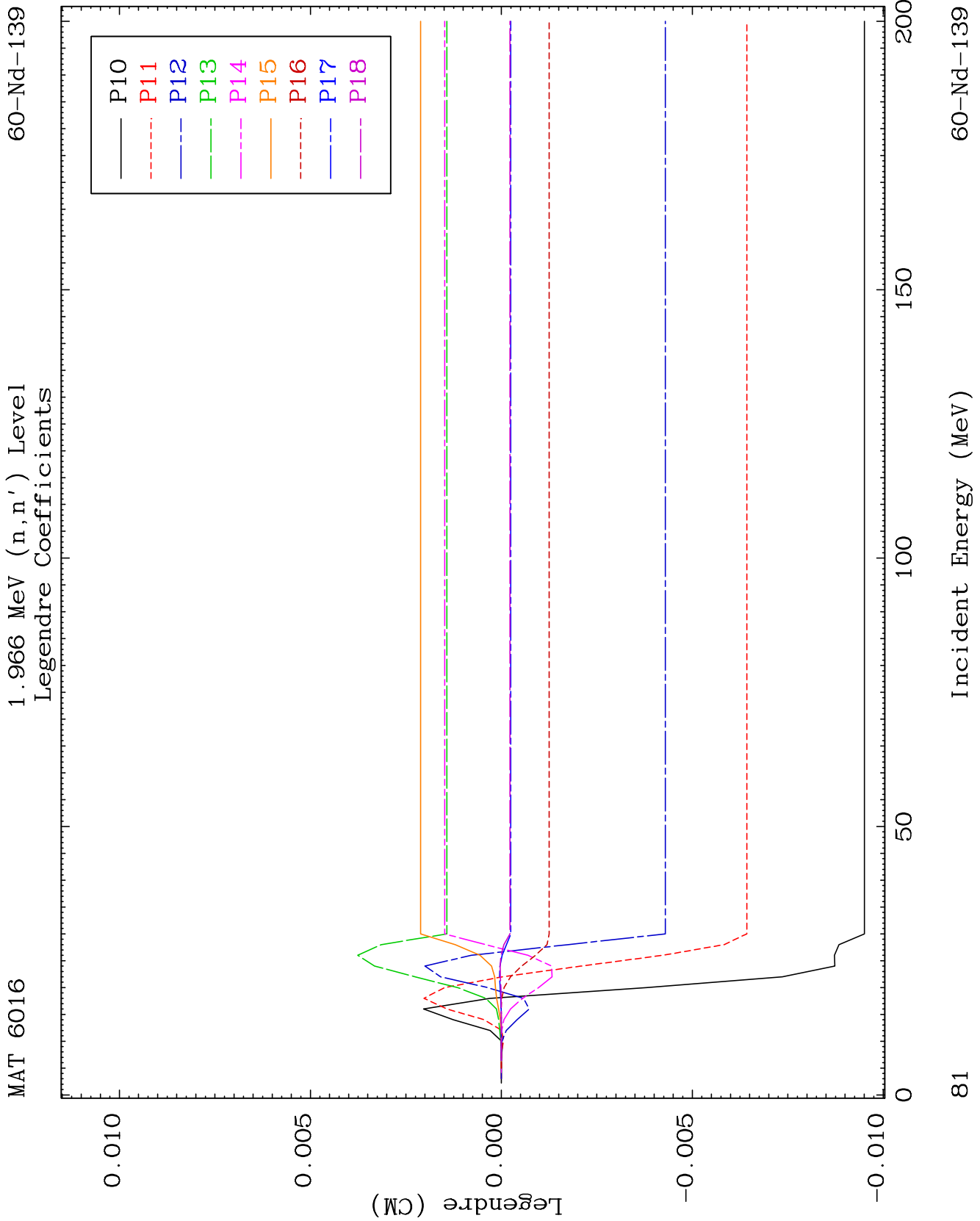
1.343 MeV (n,n') Level
Legendre Coefficients

60-Nd-139





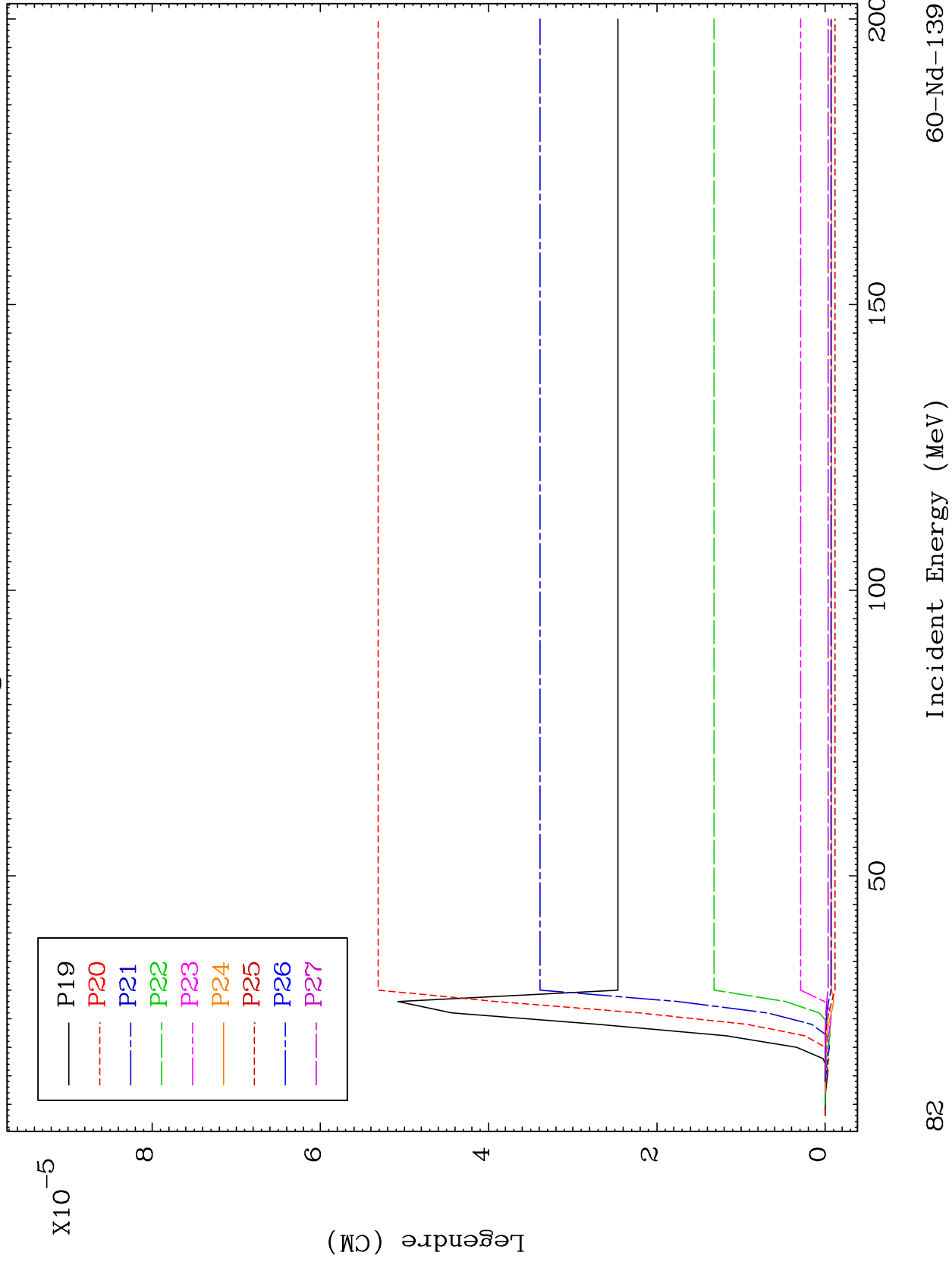


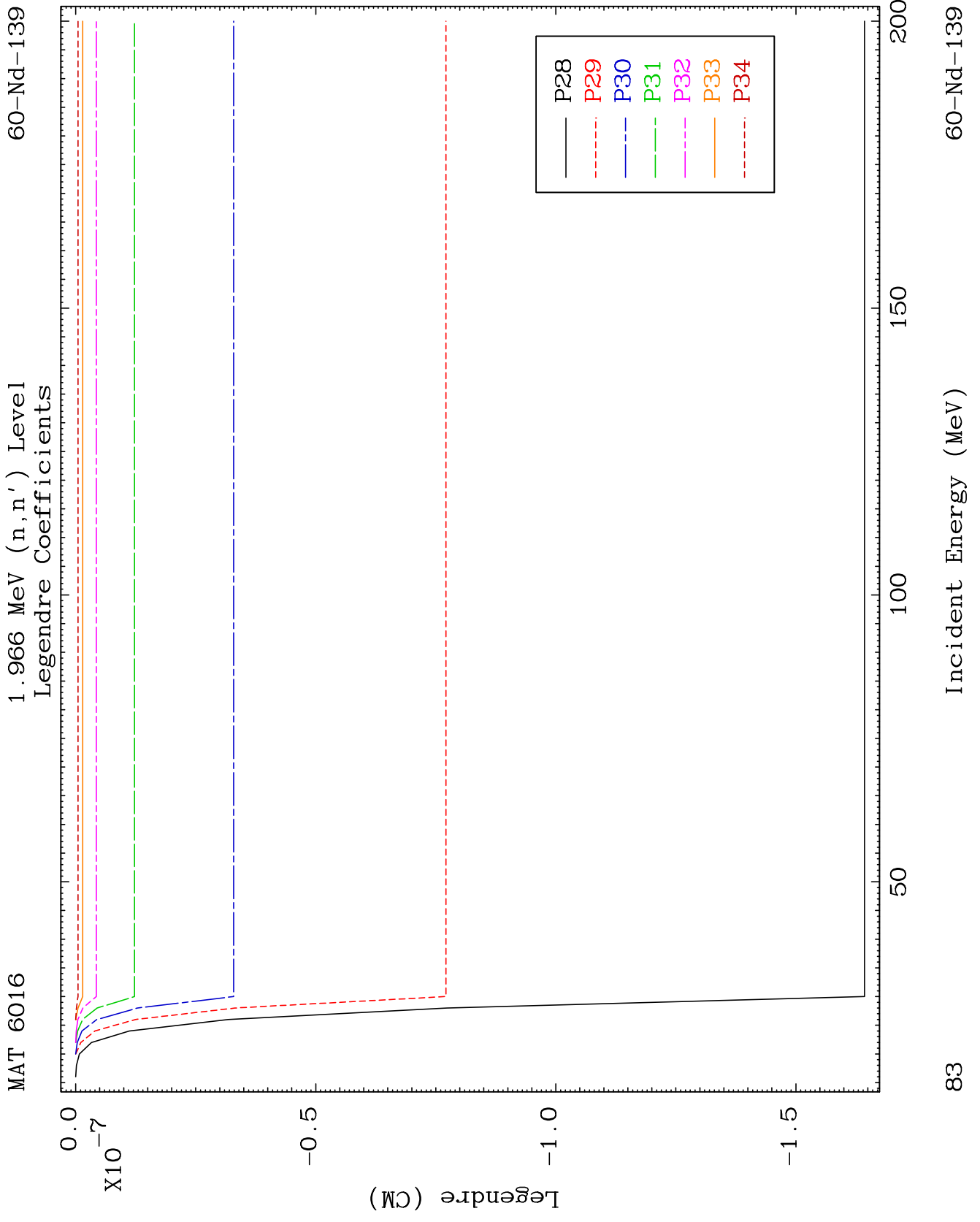


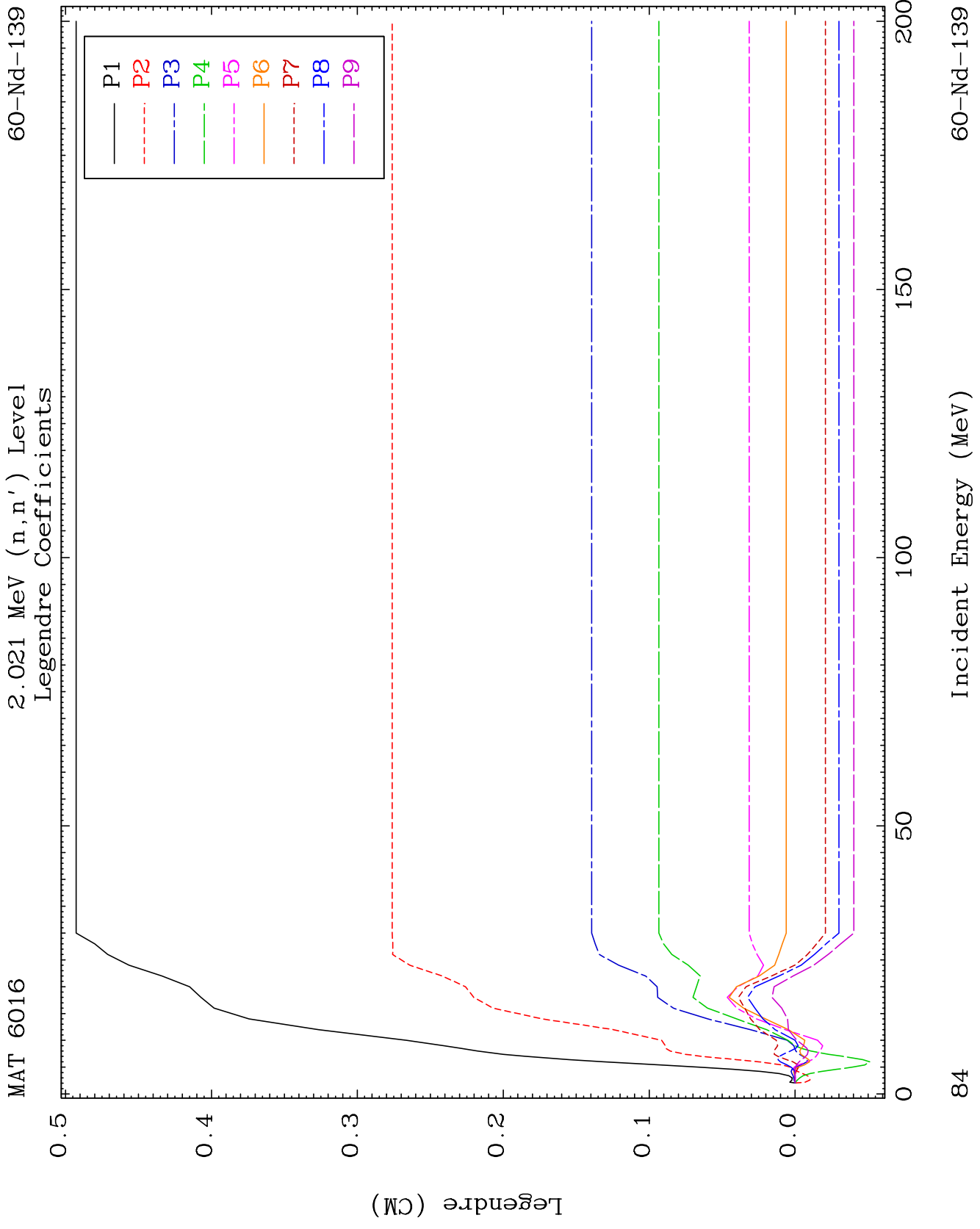
MAT 6016

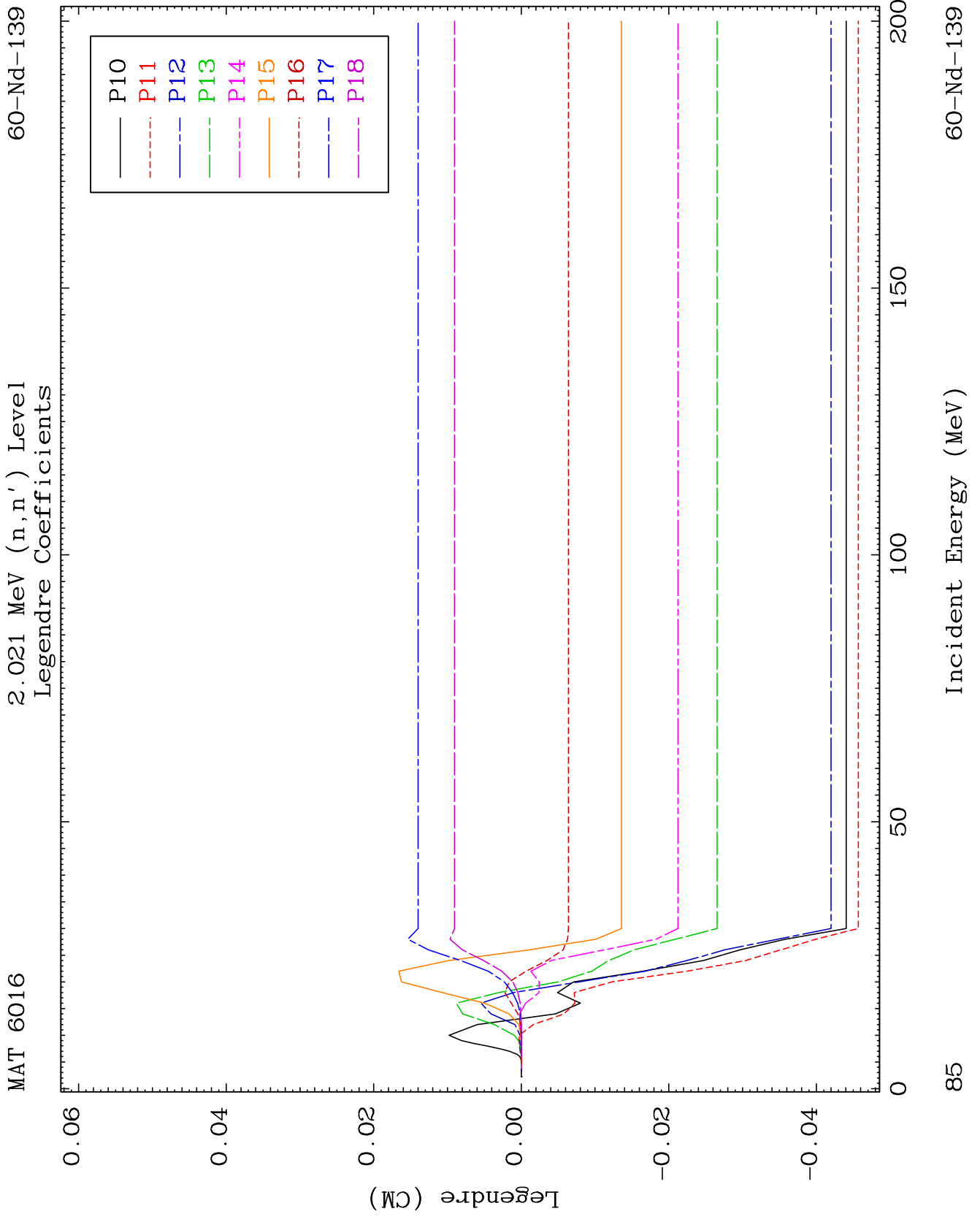
1.966 MeV (n,n') Level
Legendre Coefficients

60-Nd-139





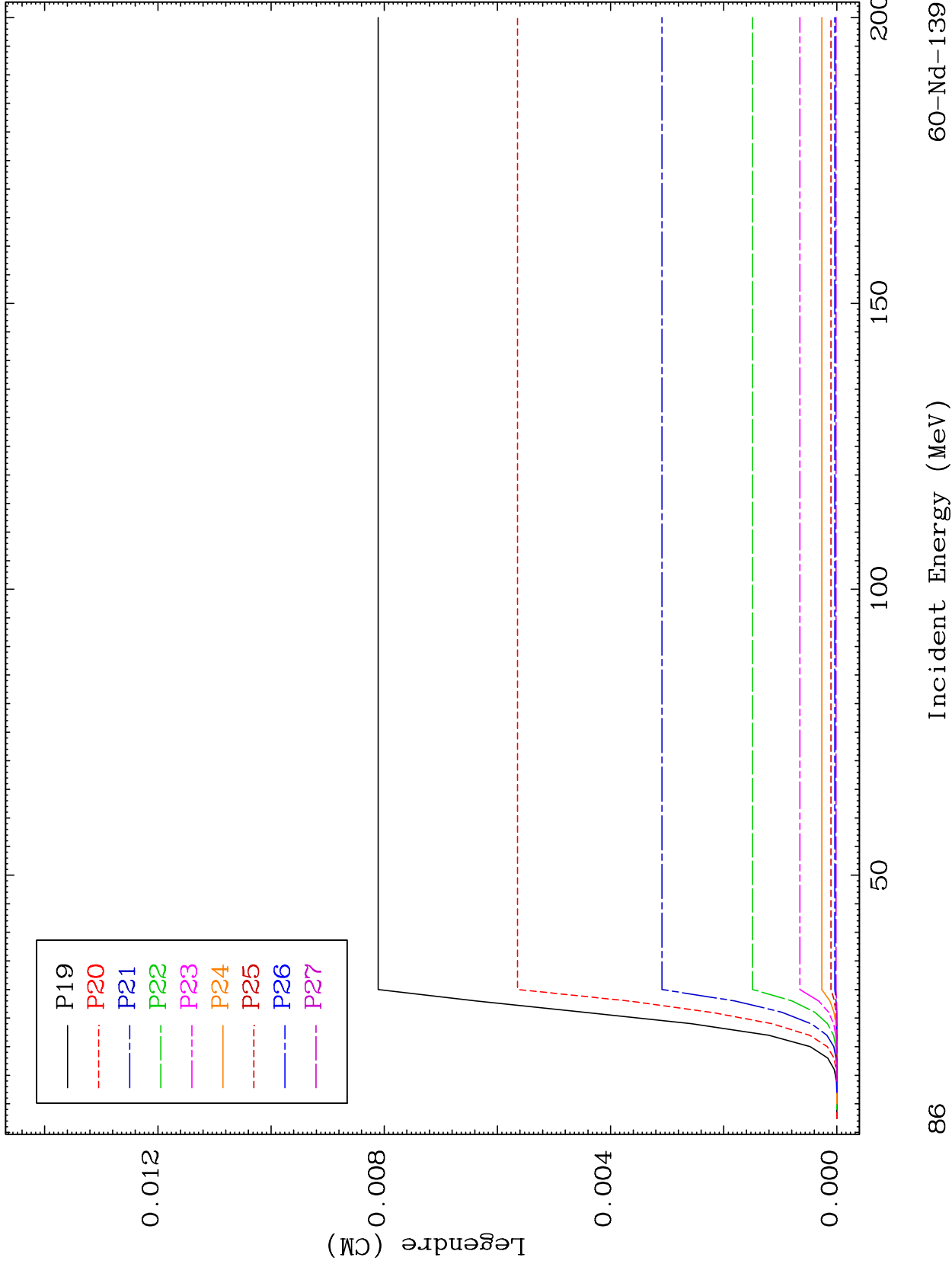




MAT 6016

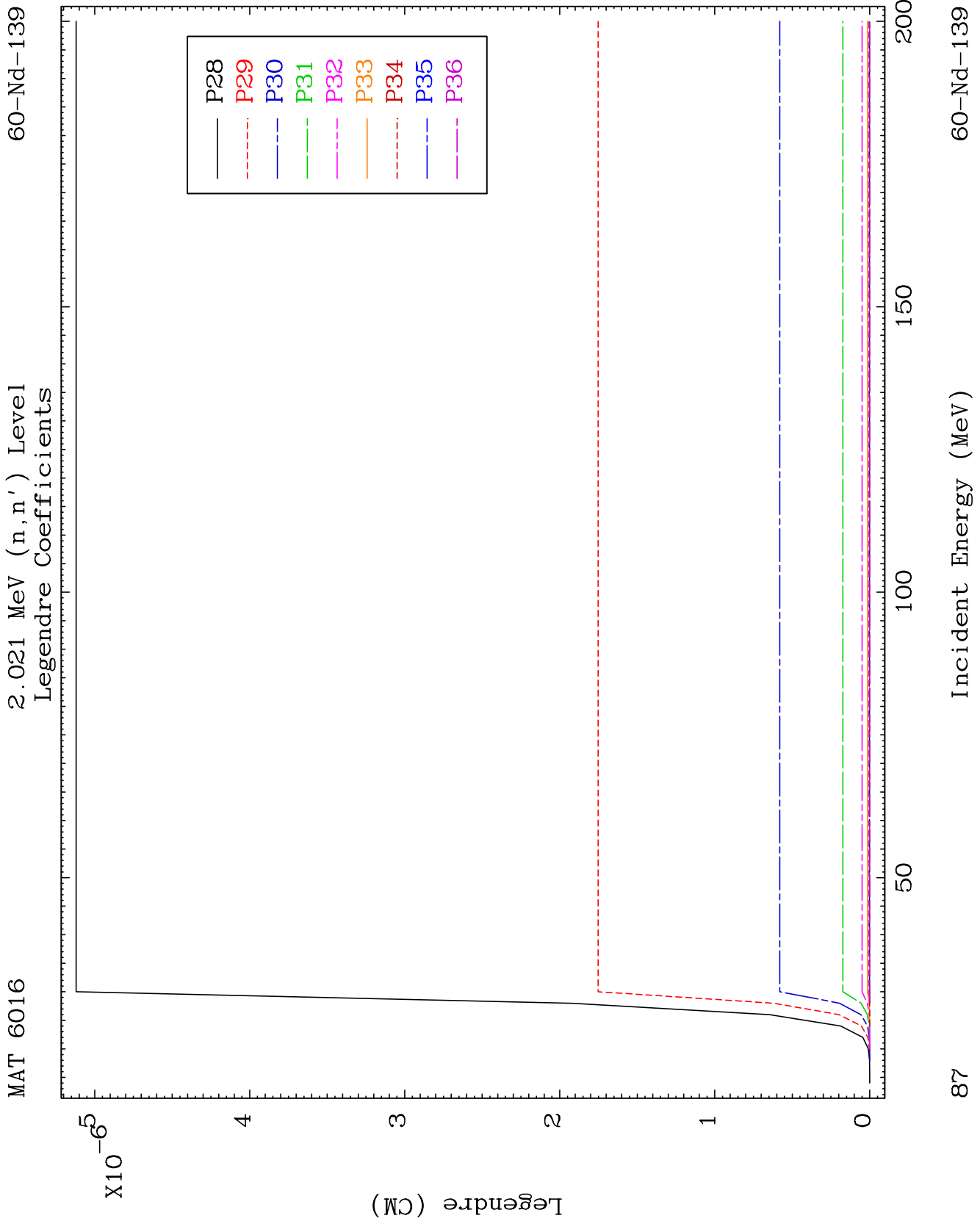
2.021 MeV (n,n') Level
Legendre Coefficients

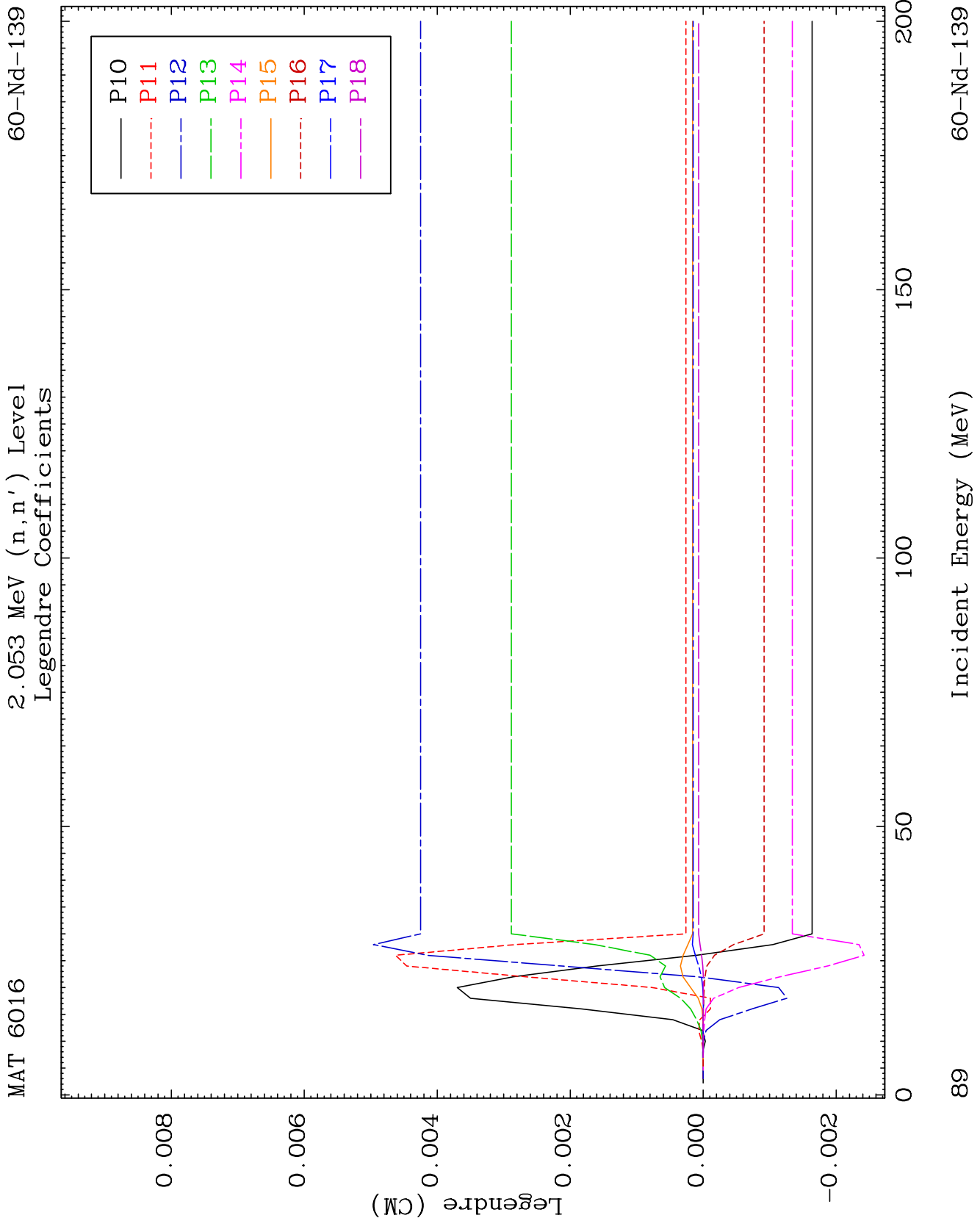
60-Nd-139

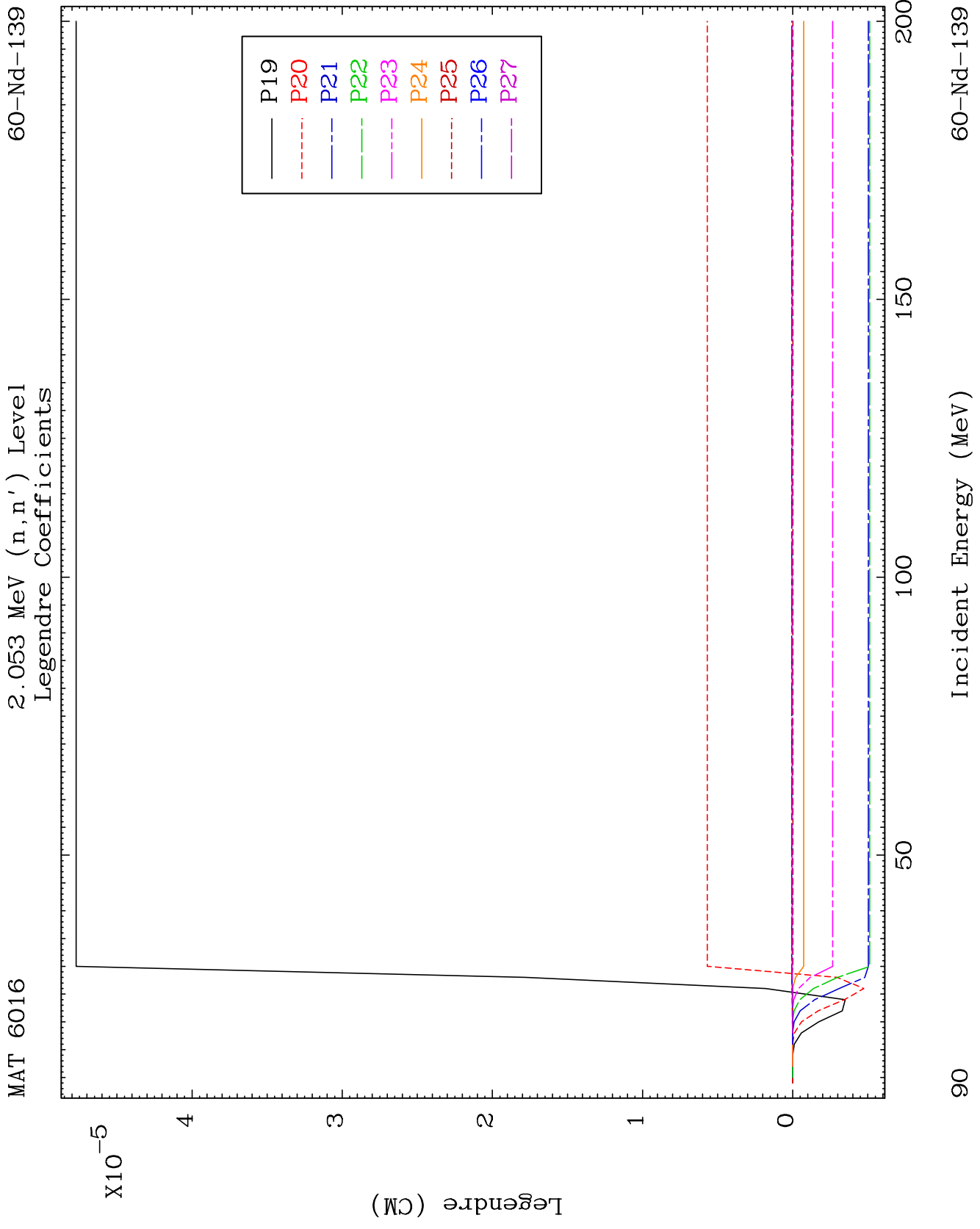


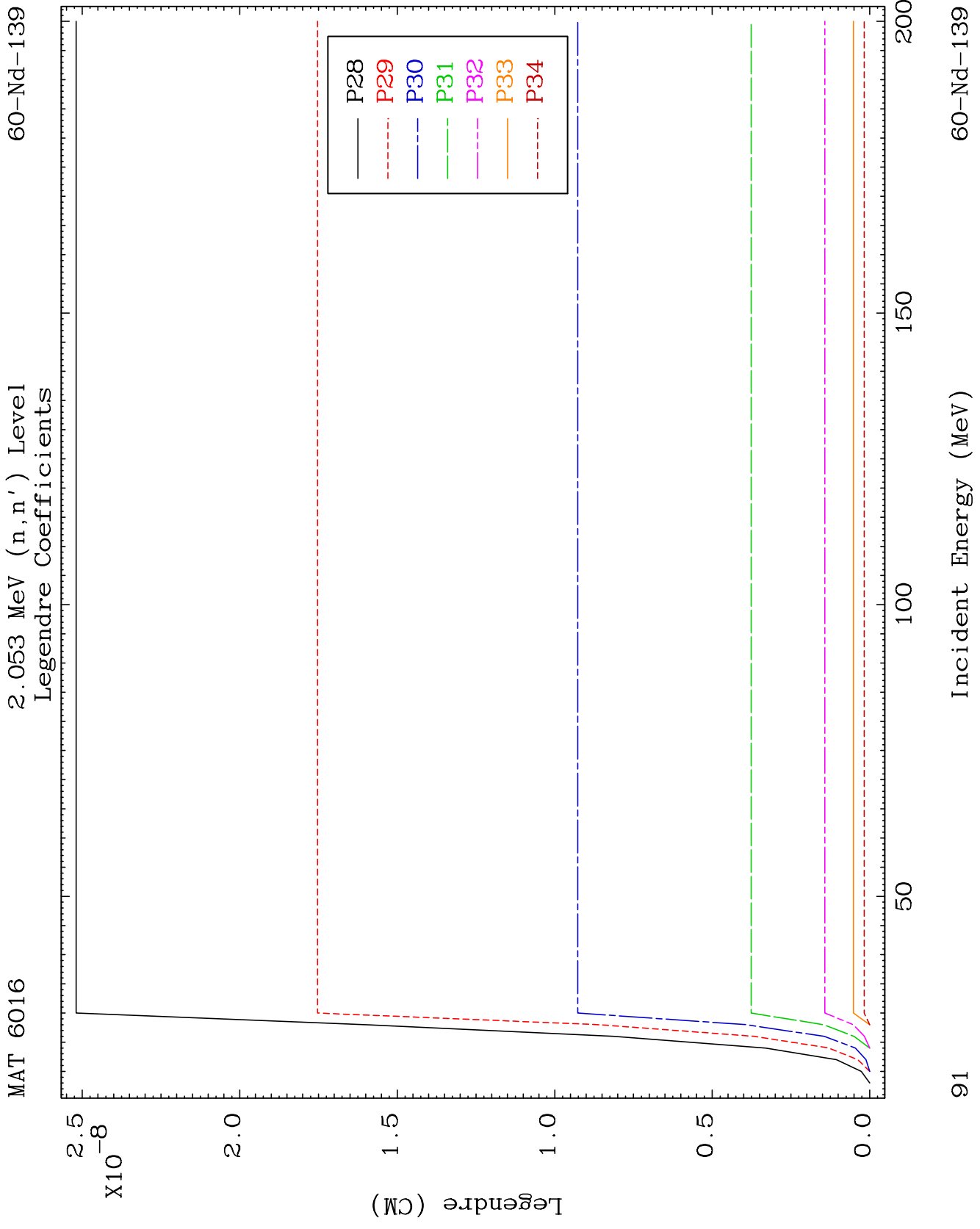
86

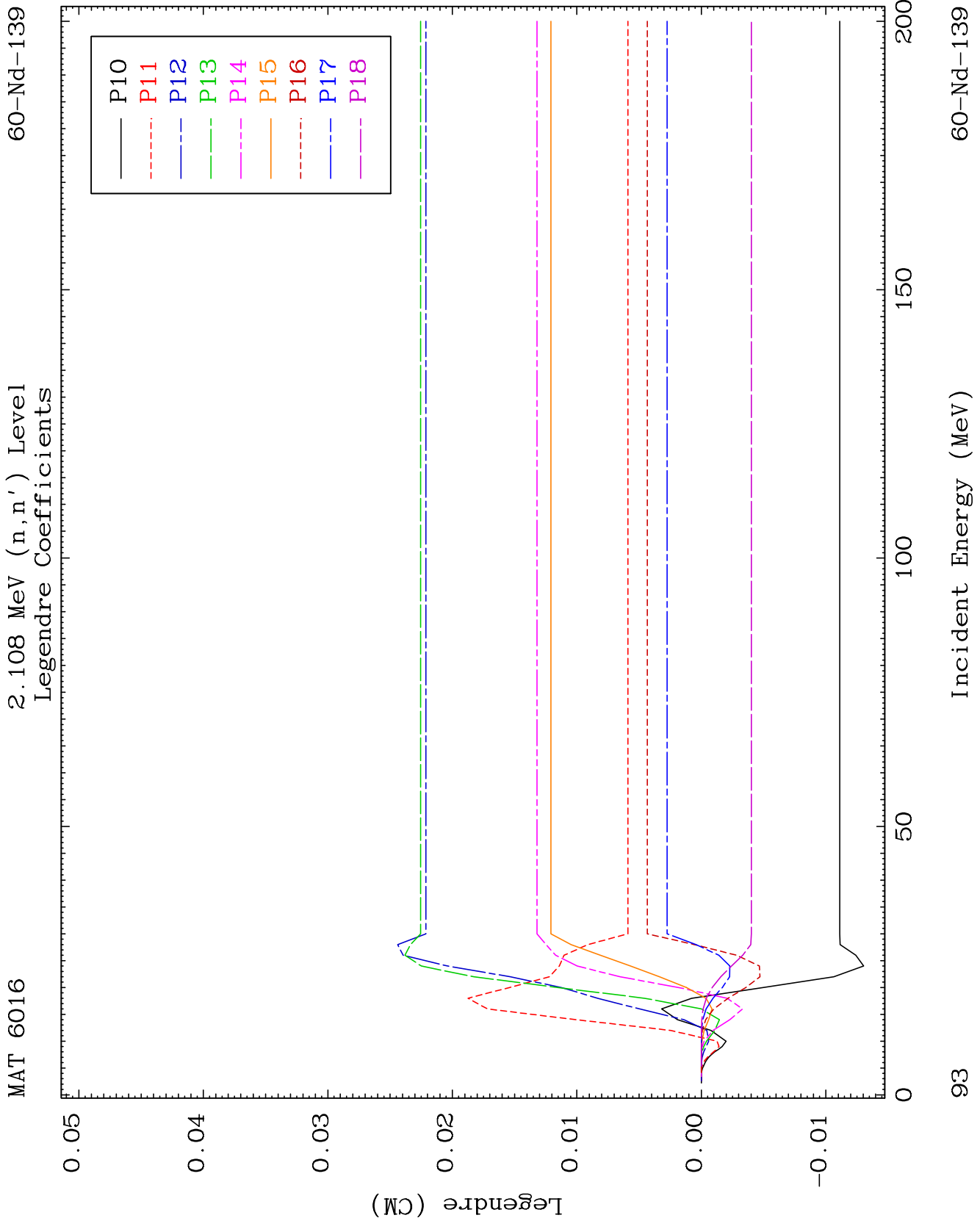
60-Nd-139

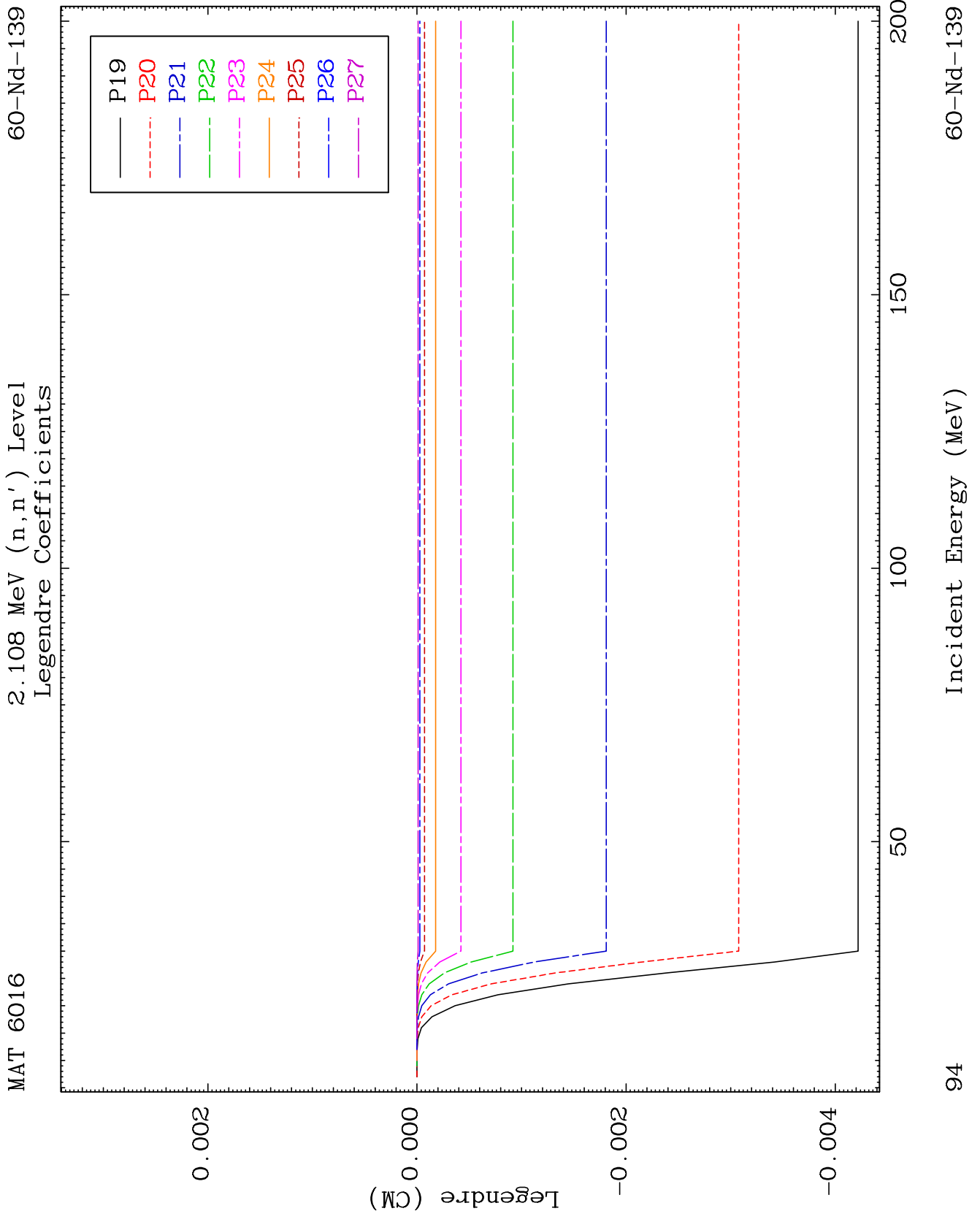


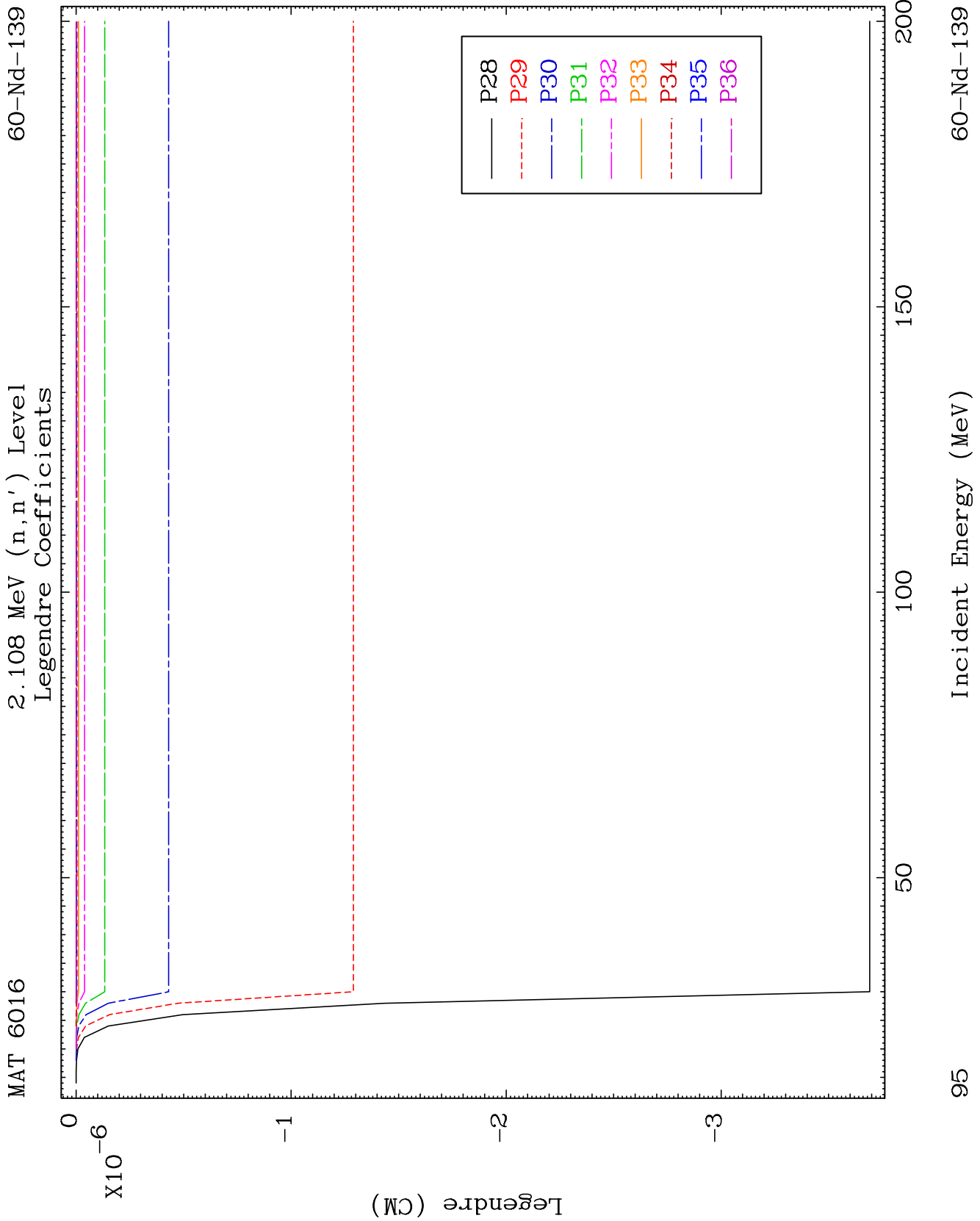


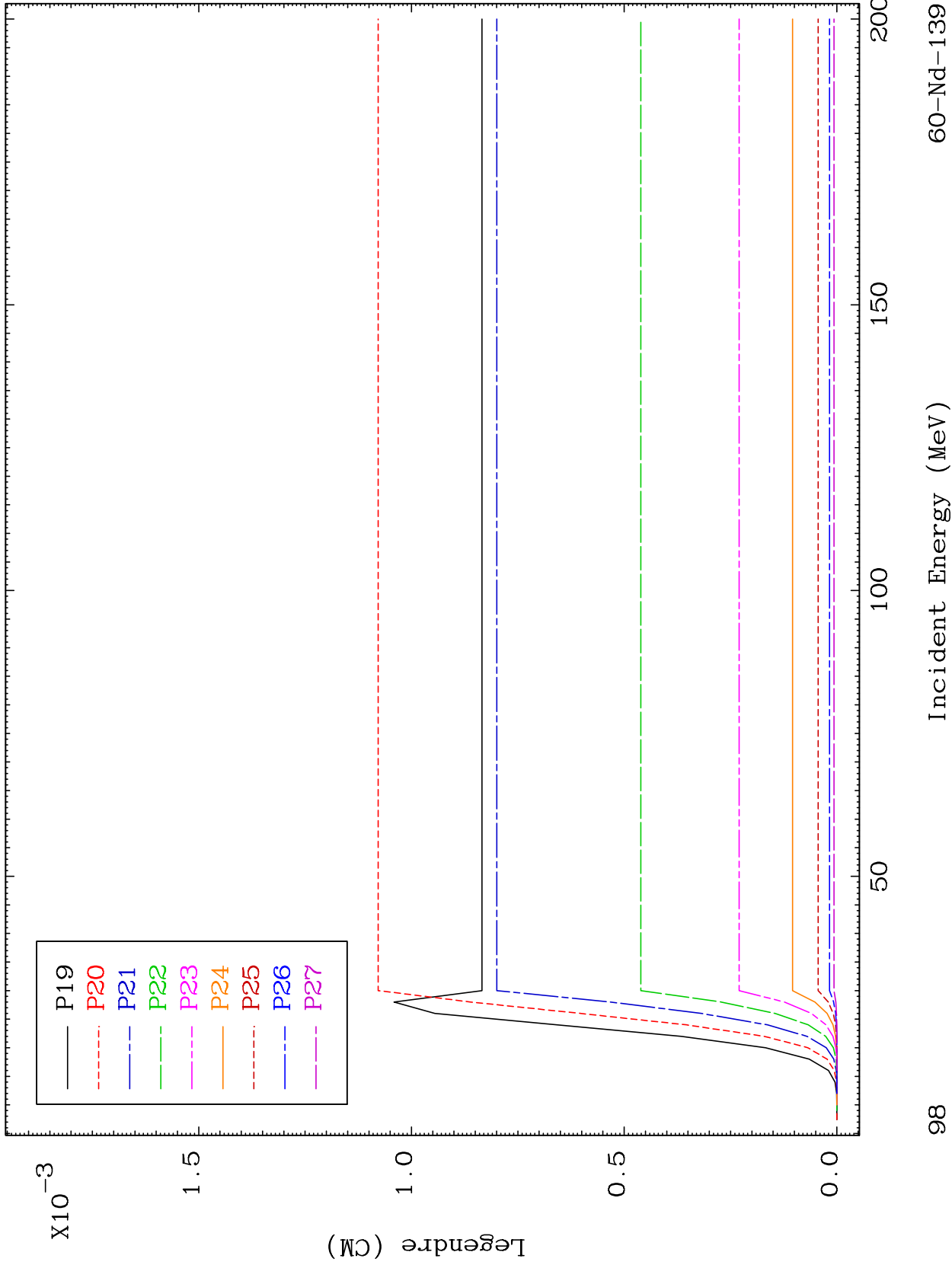


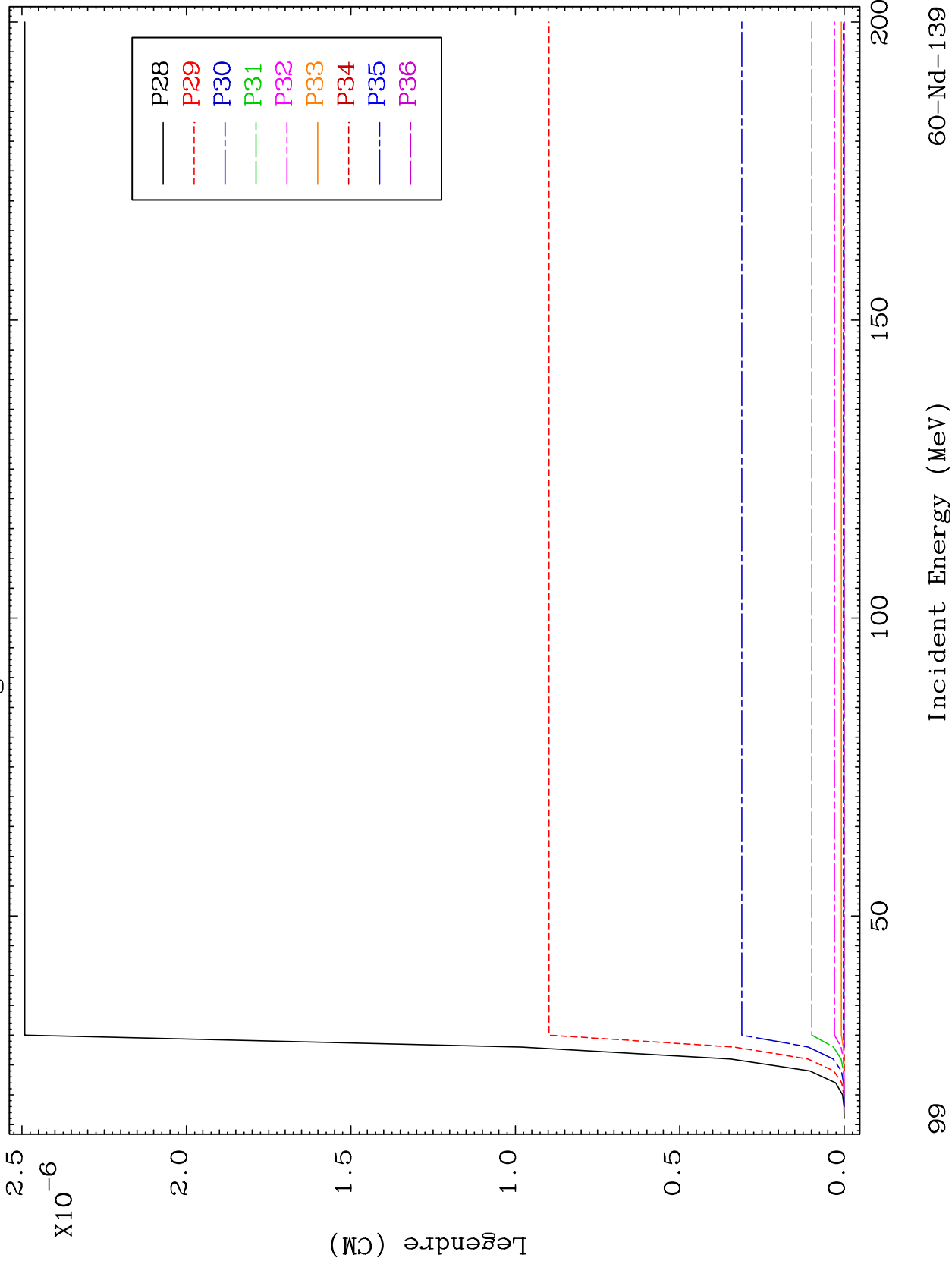








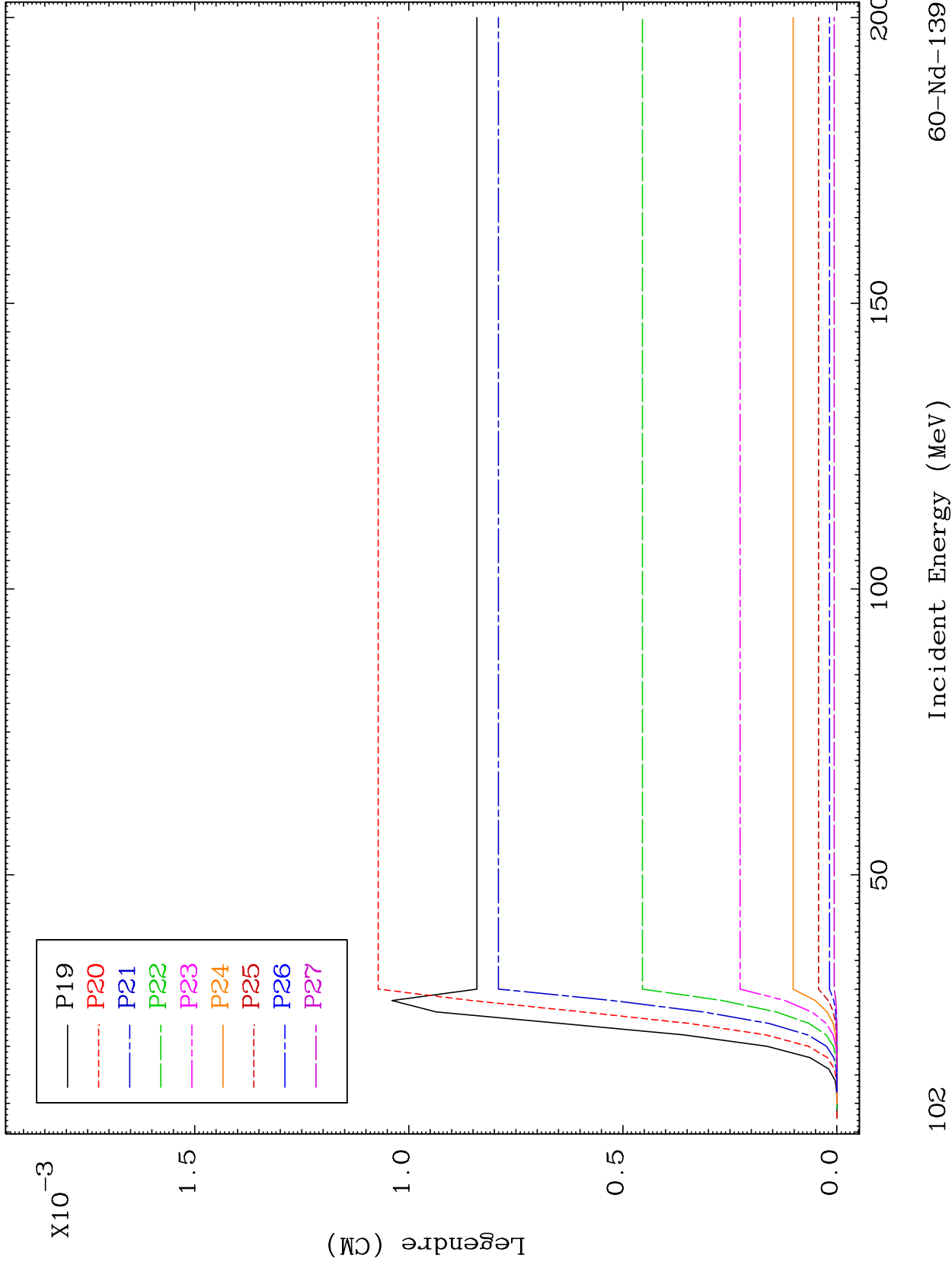




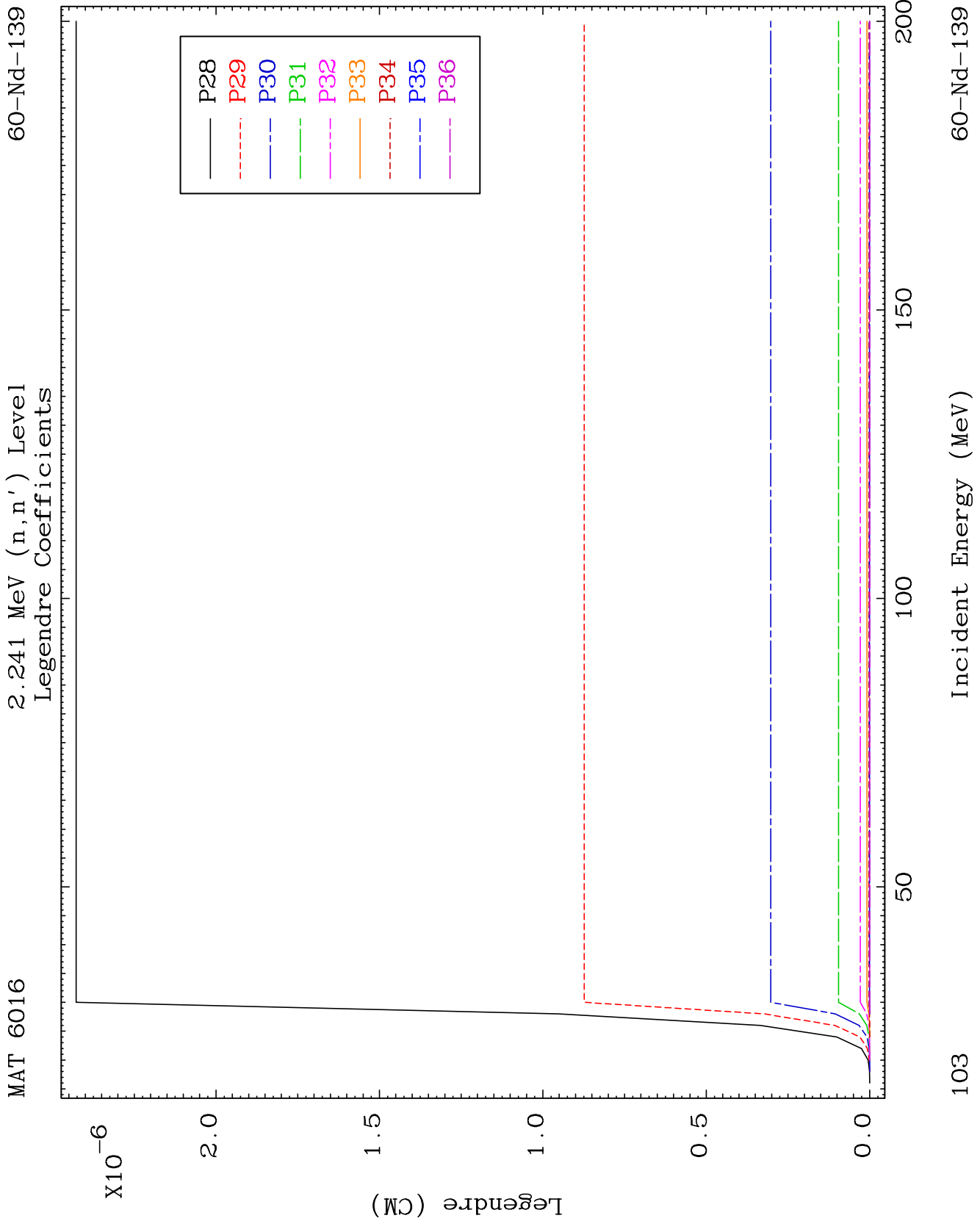
MAT 6016

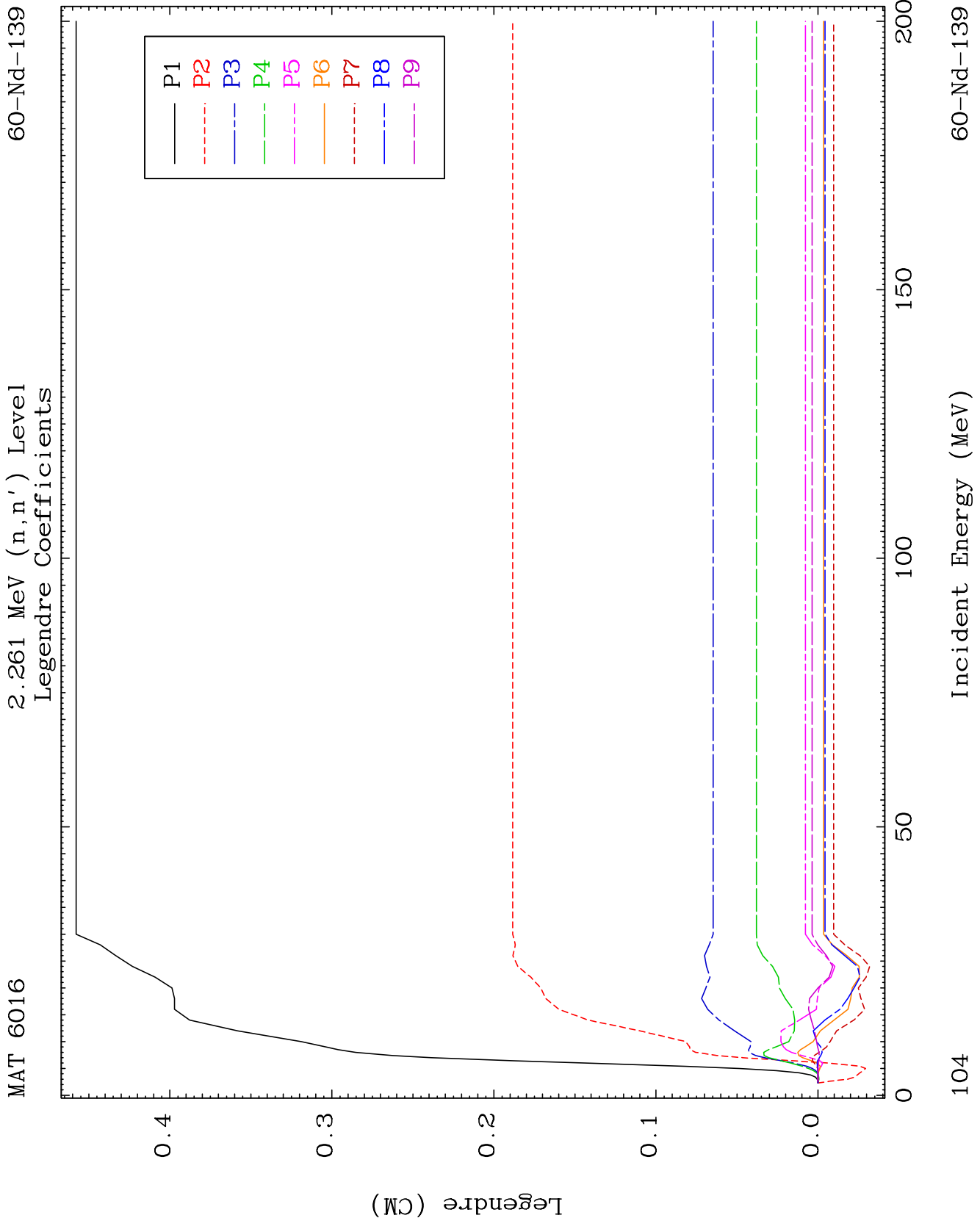
2.241 MeV (n, n') Level
Legendre Coefficients

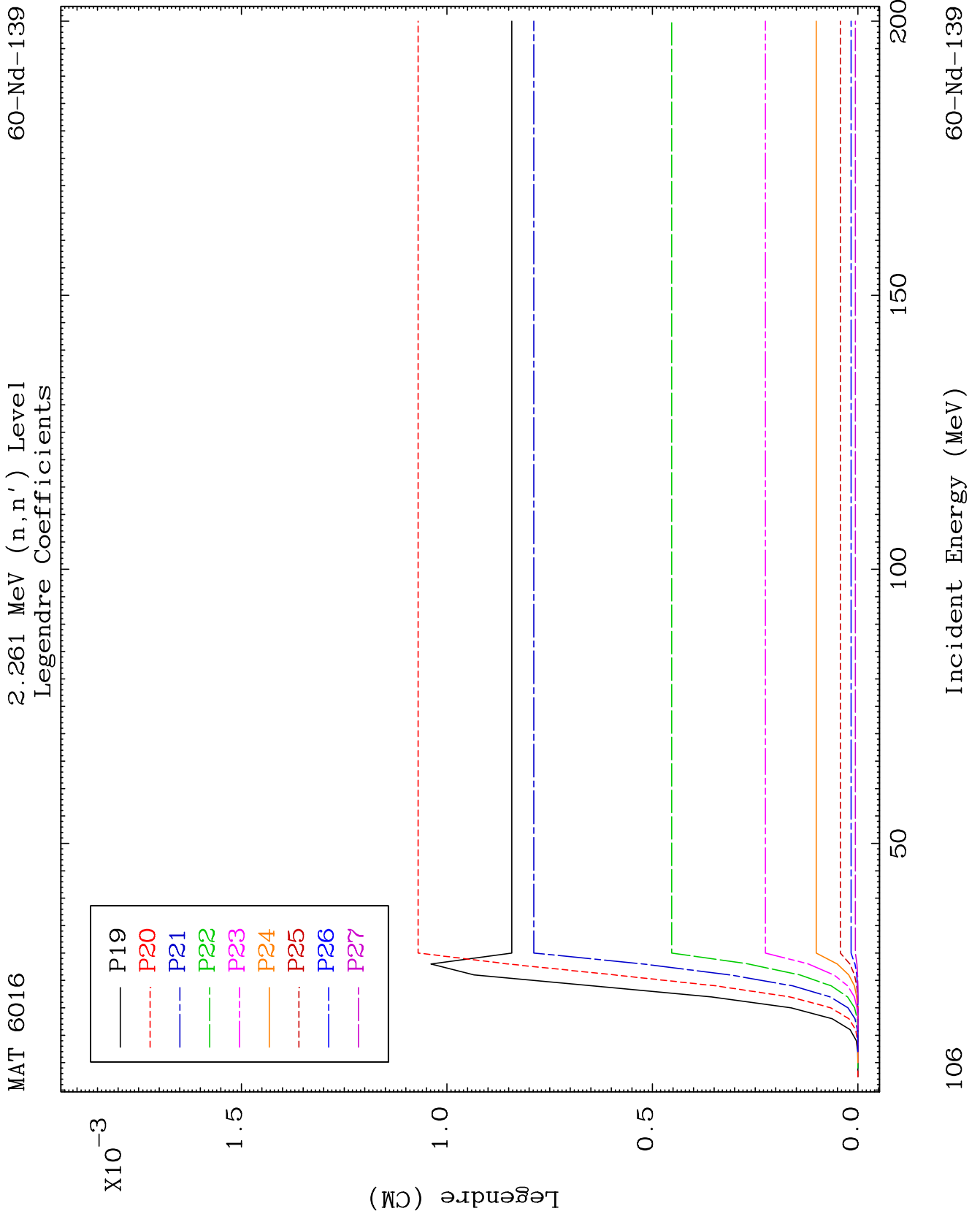
60-Nd-139

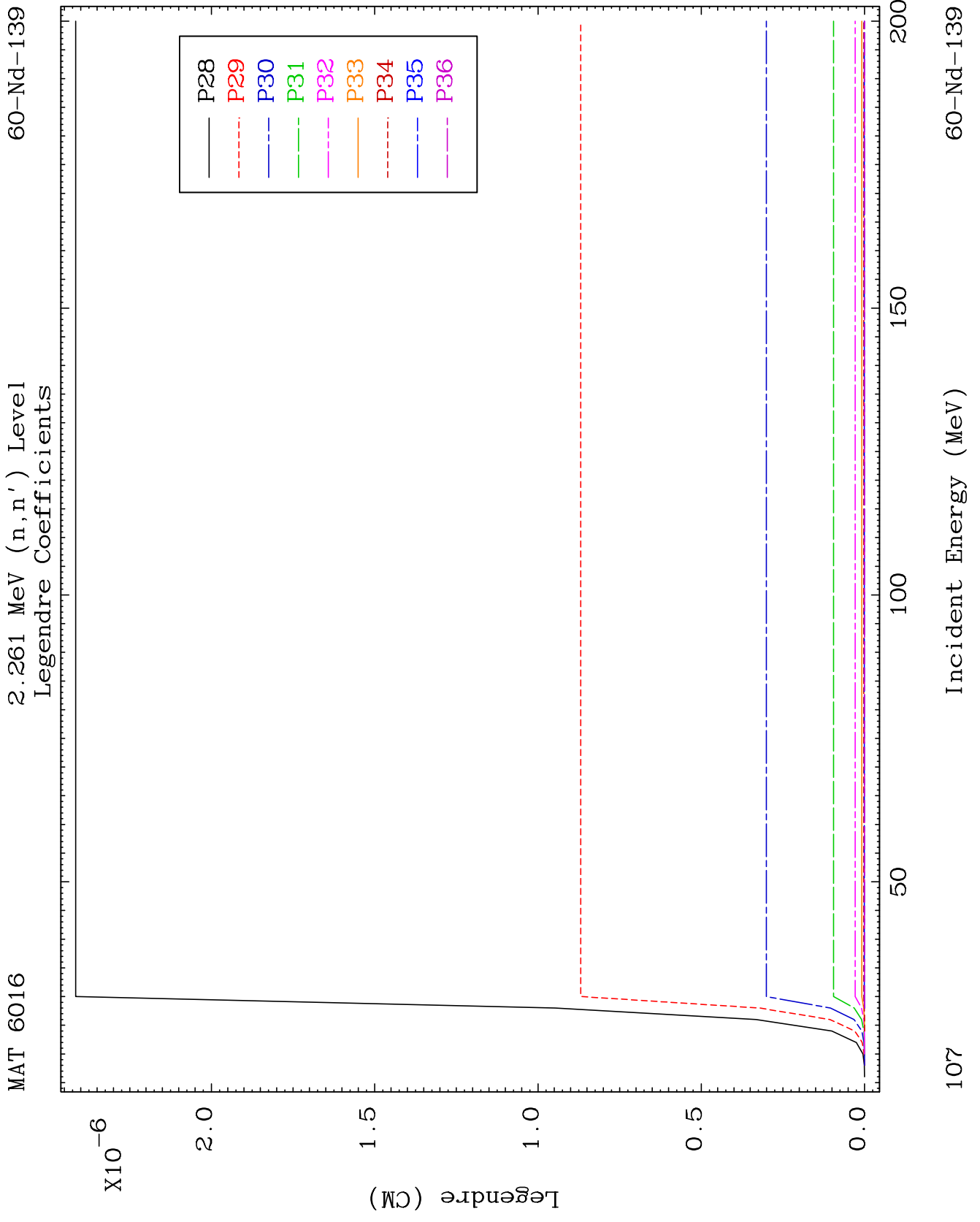


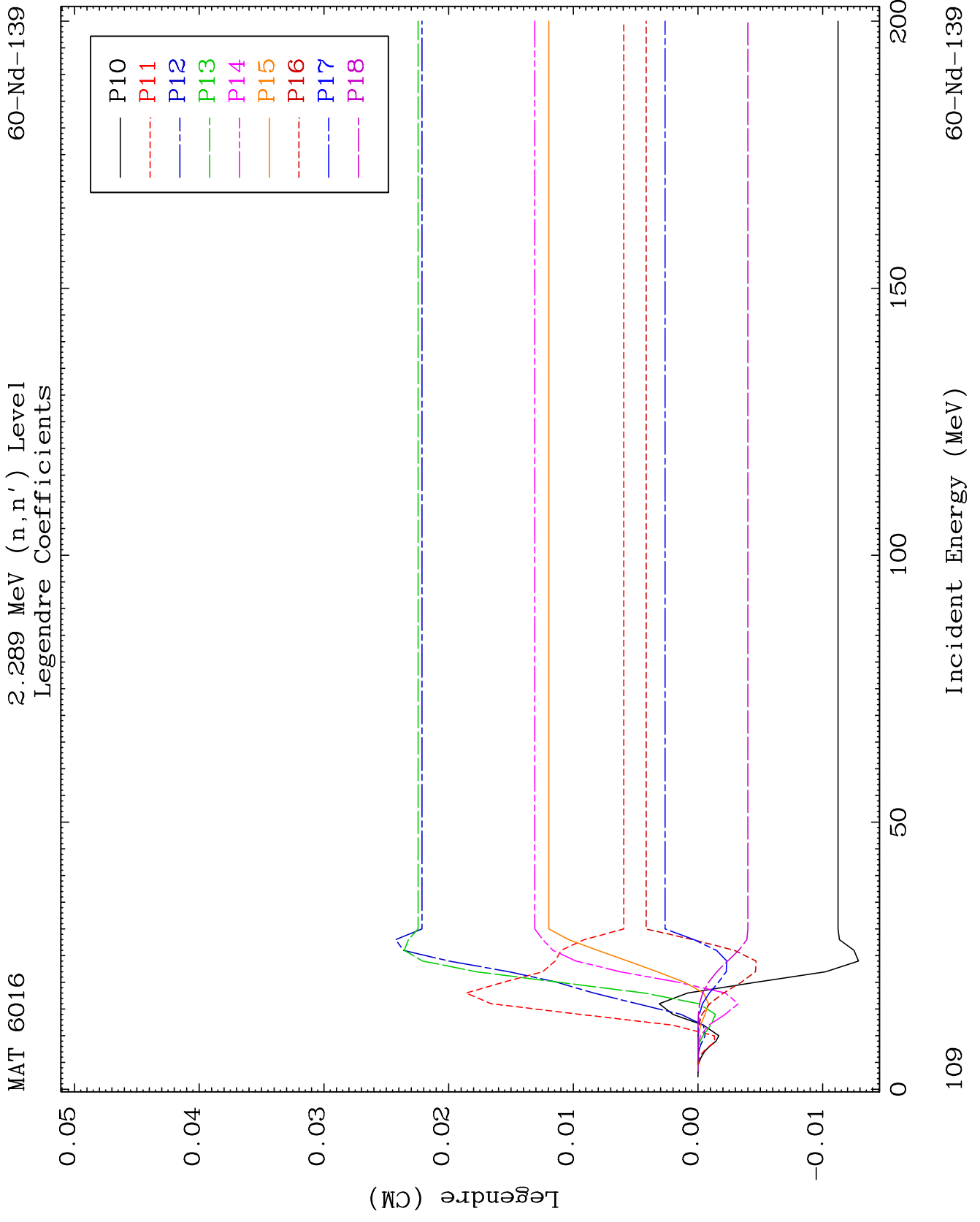
102

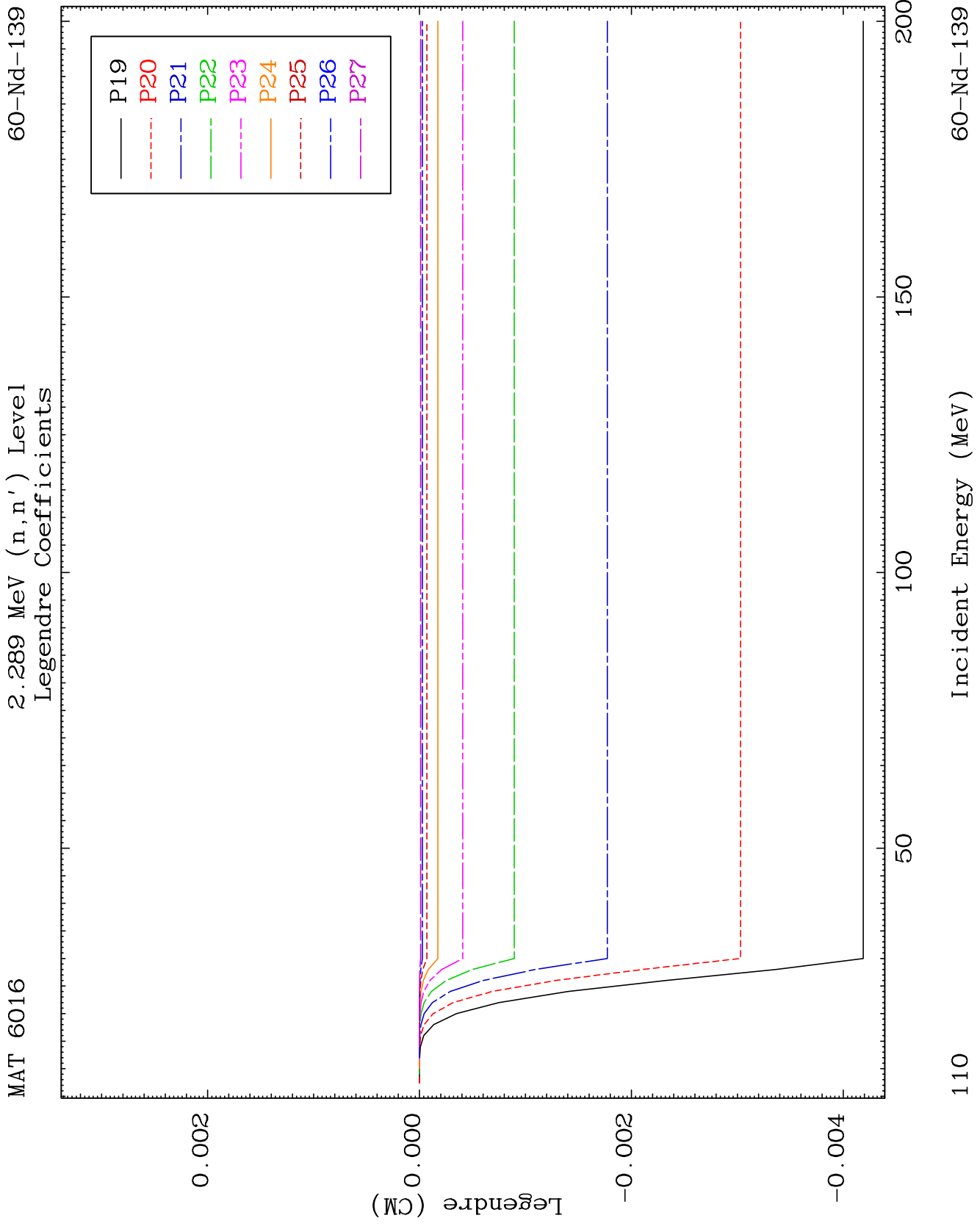


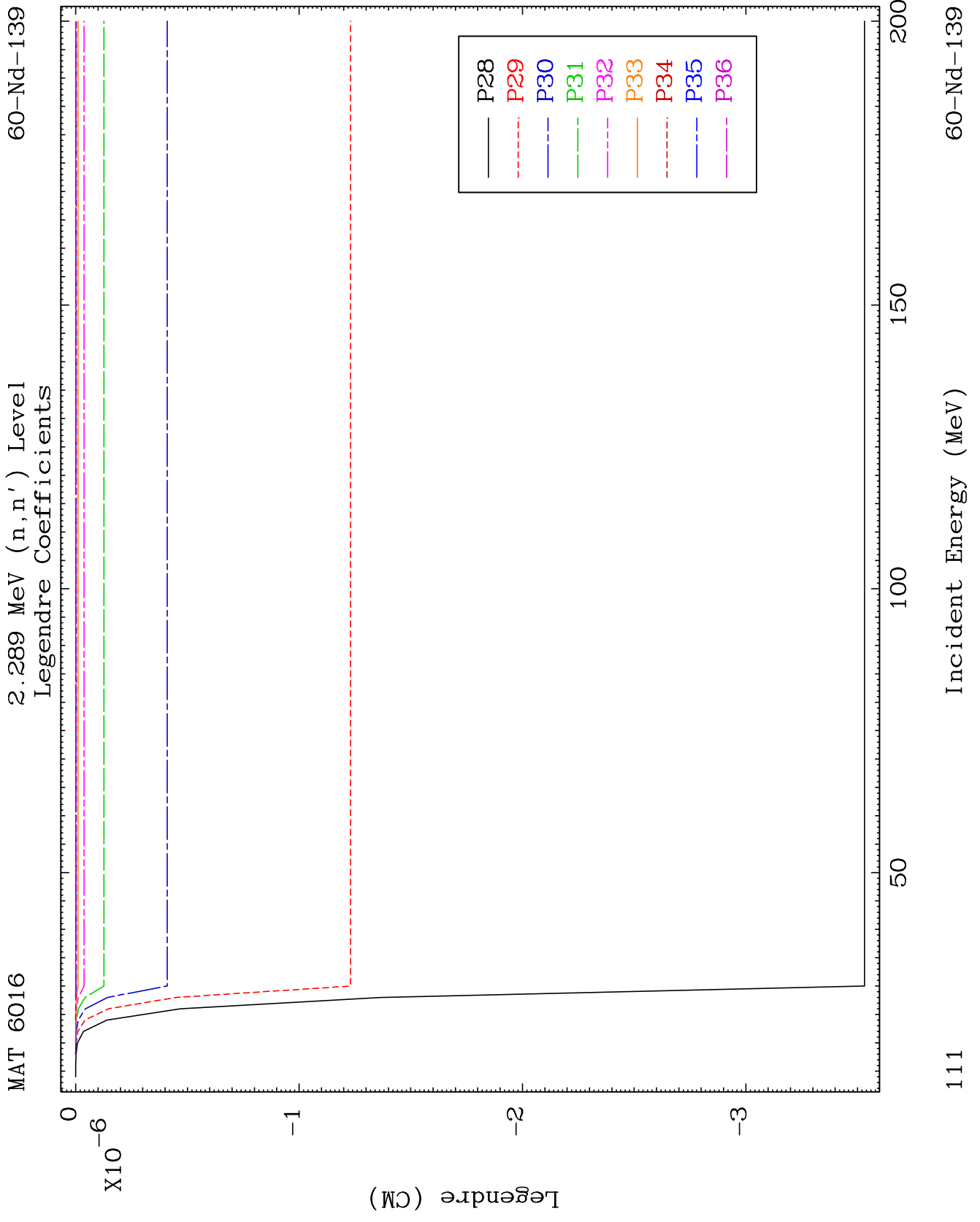


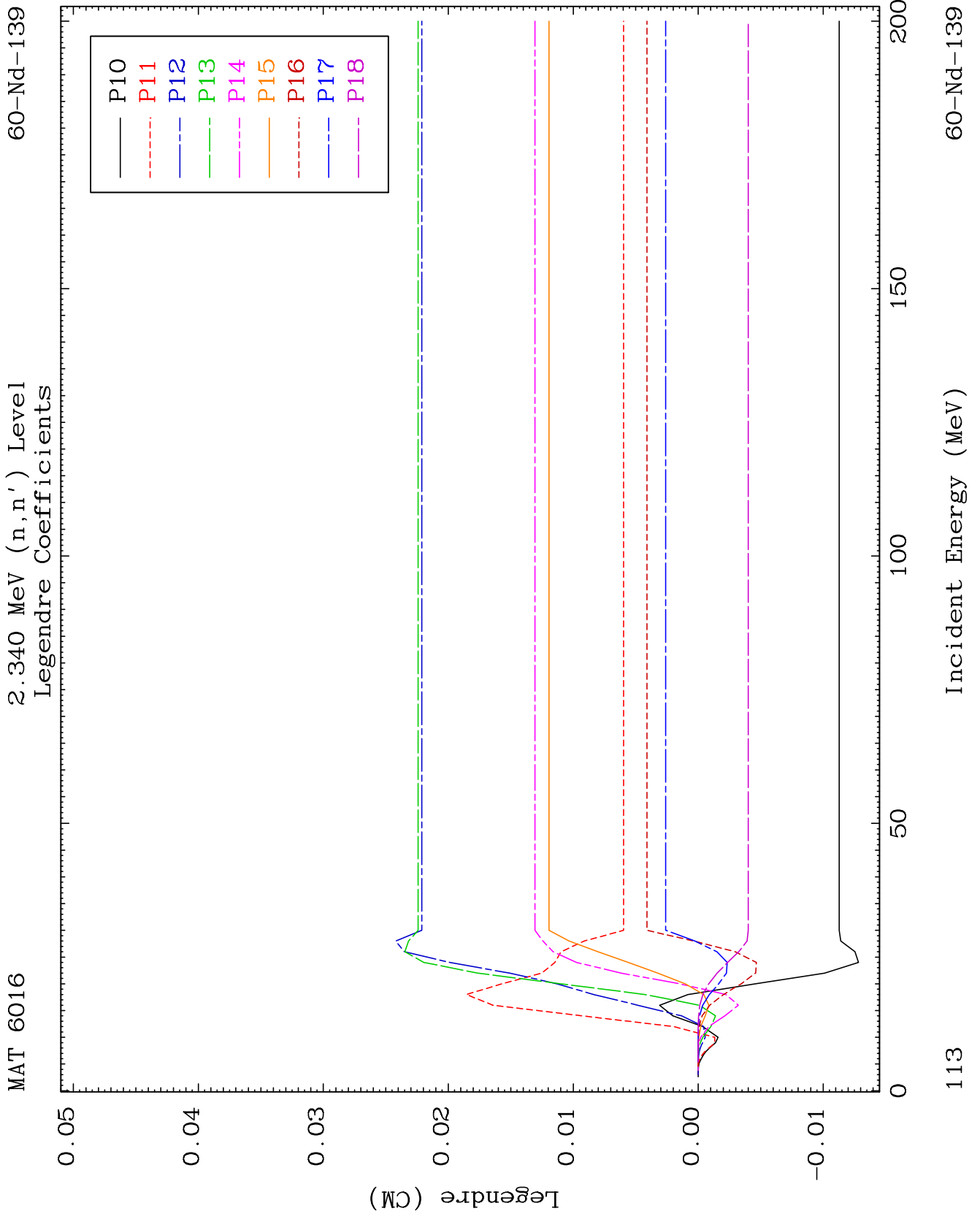


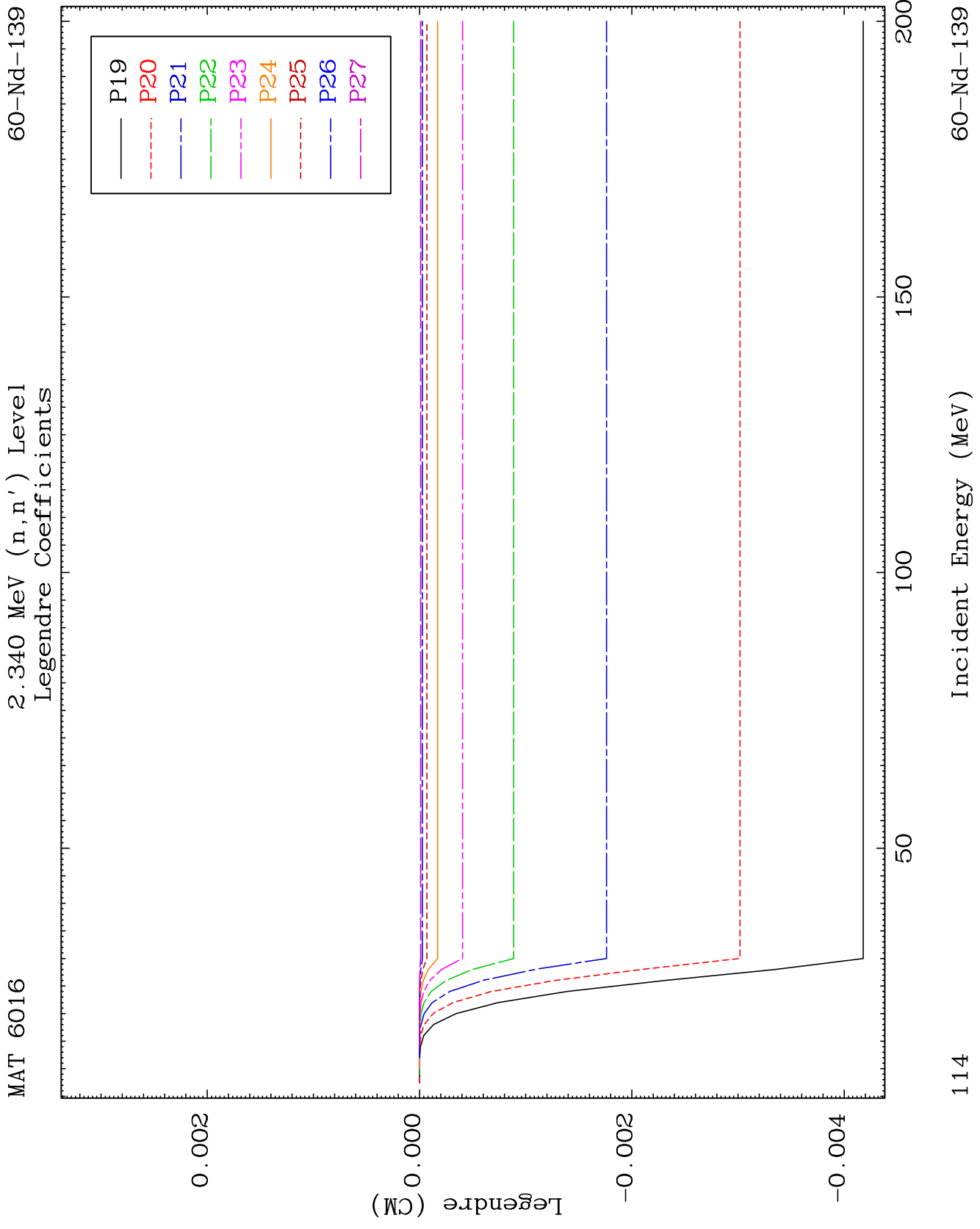


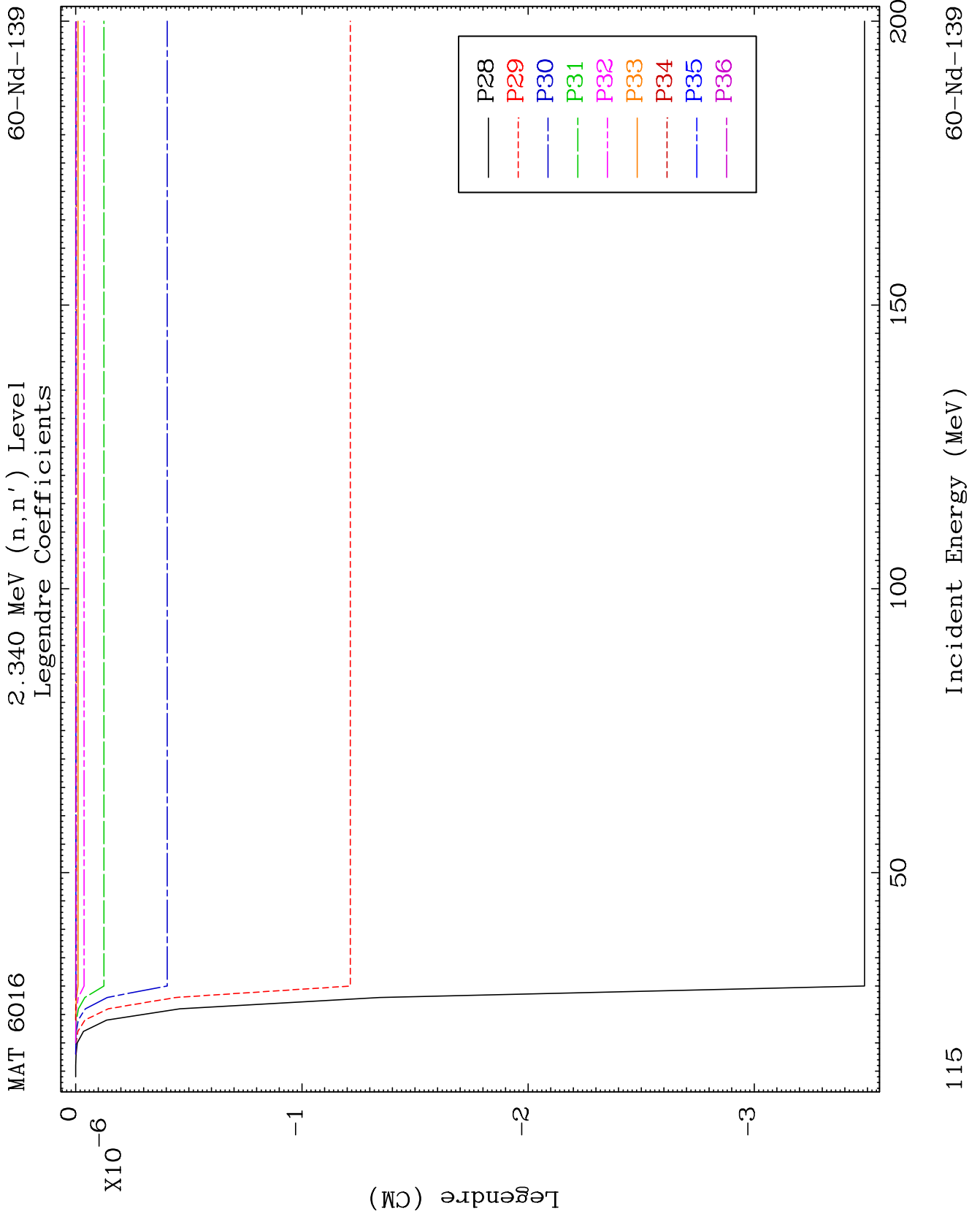


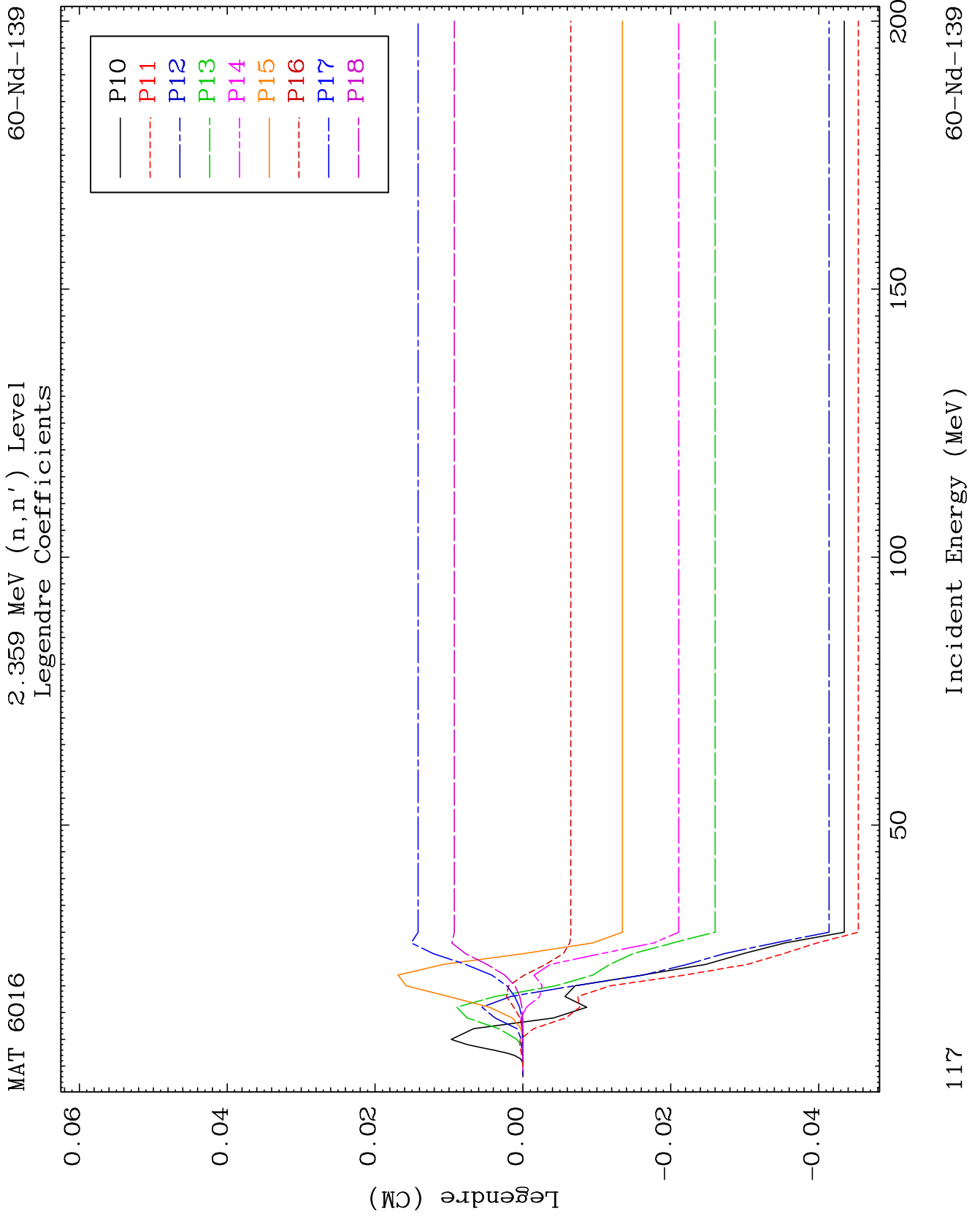


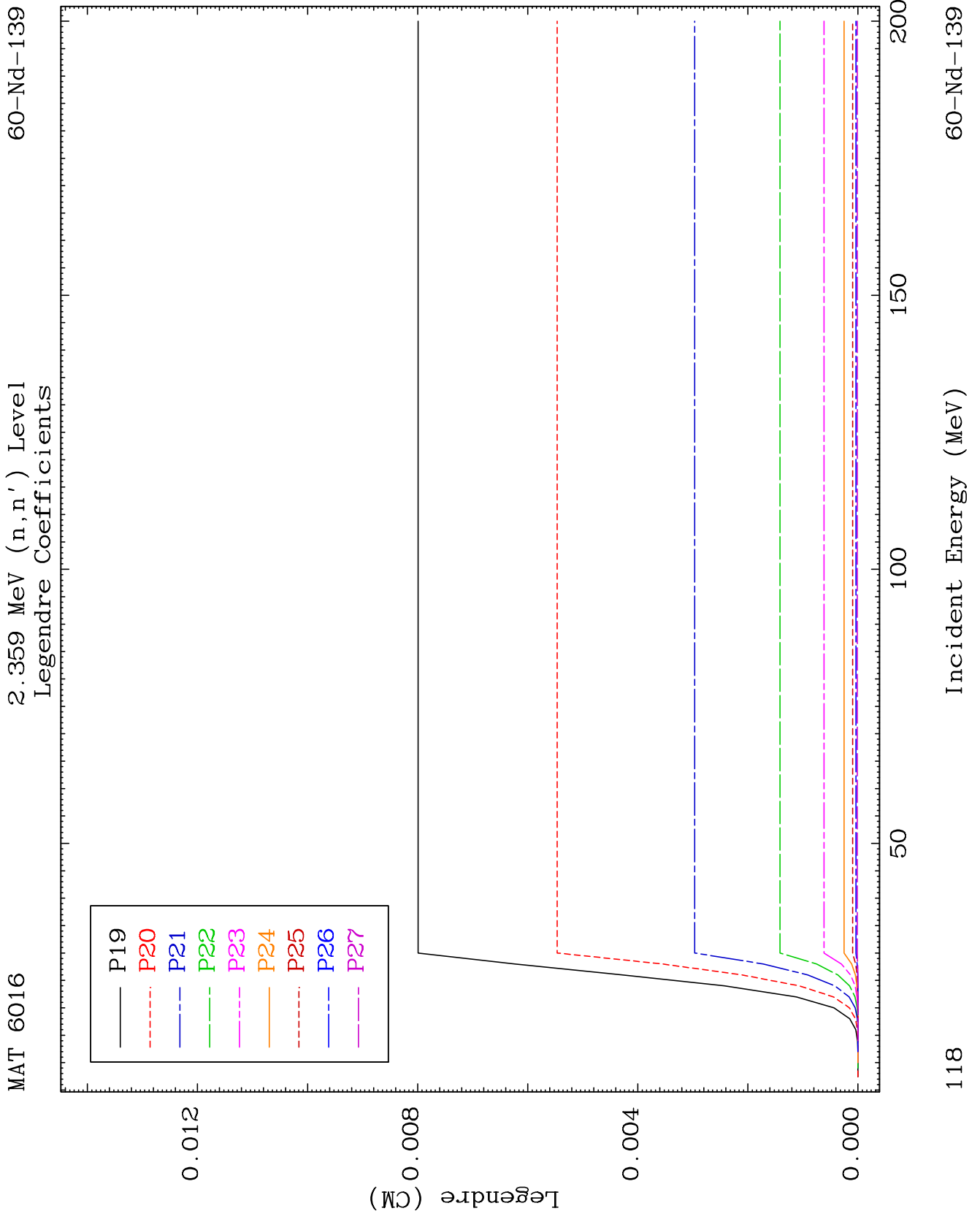


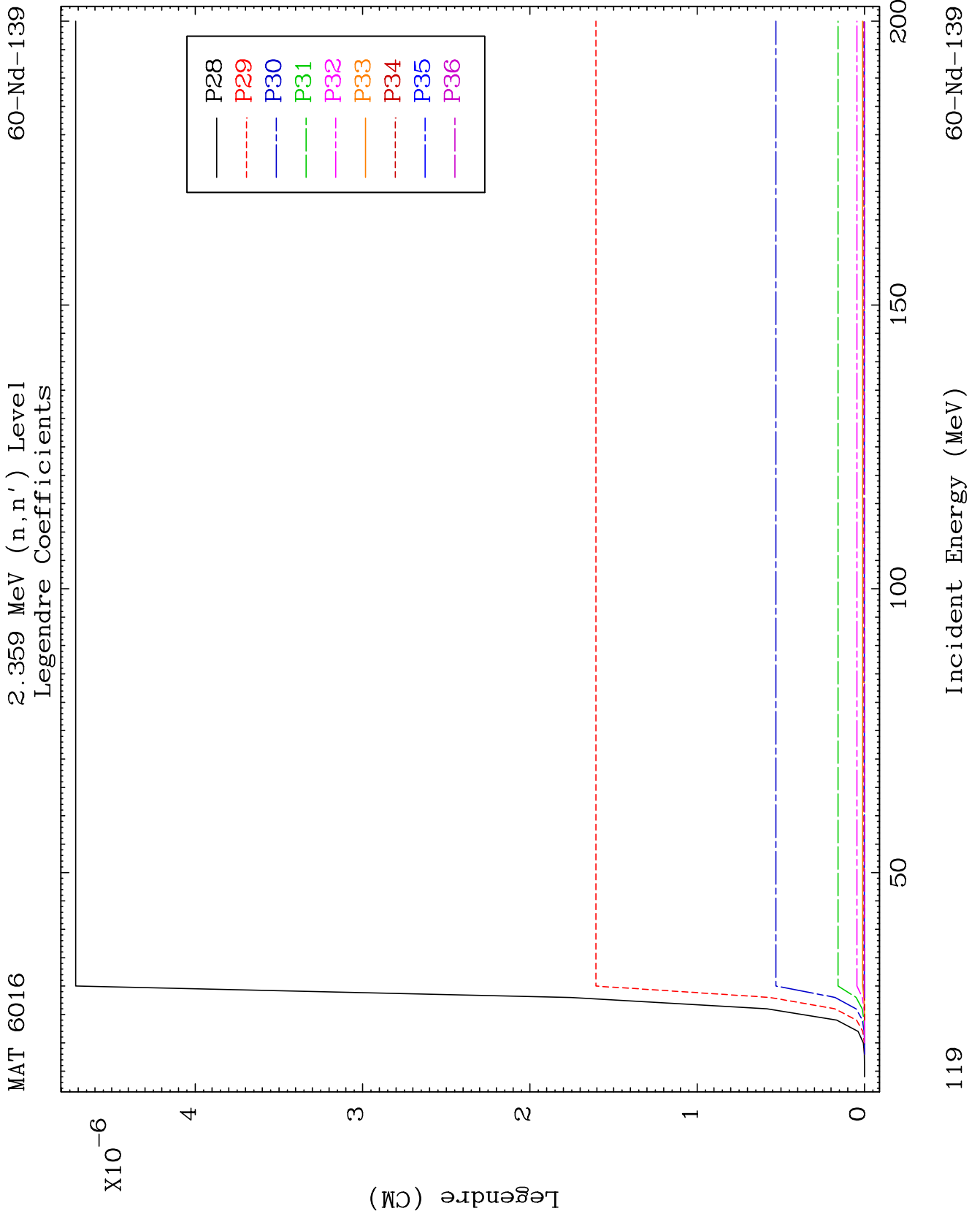


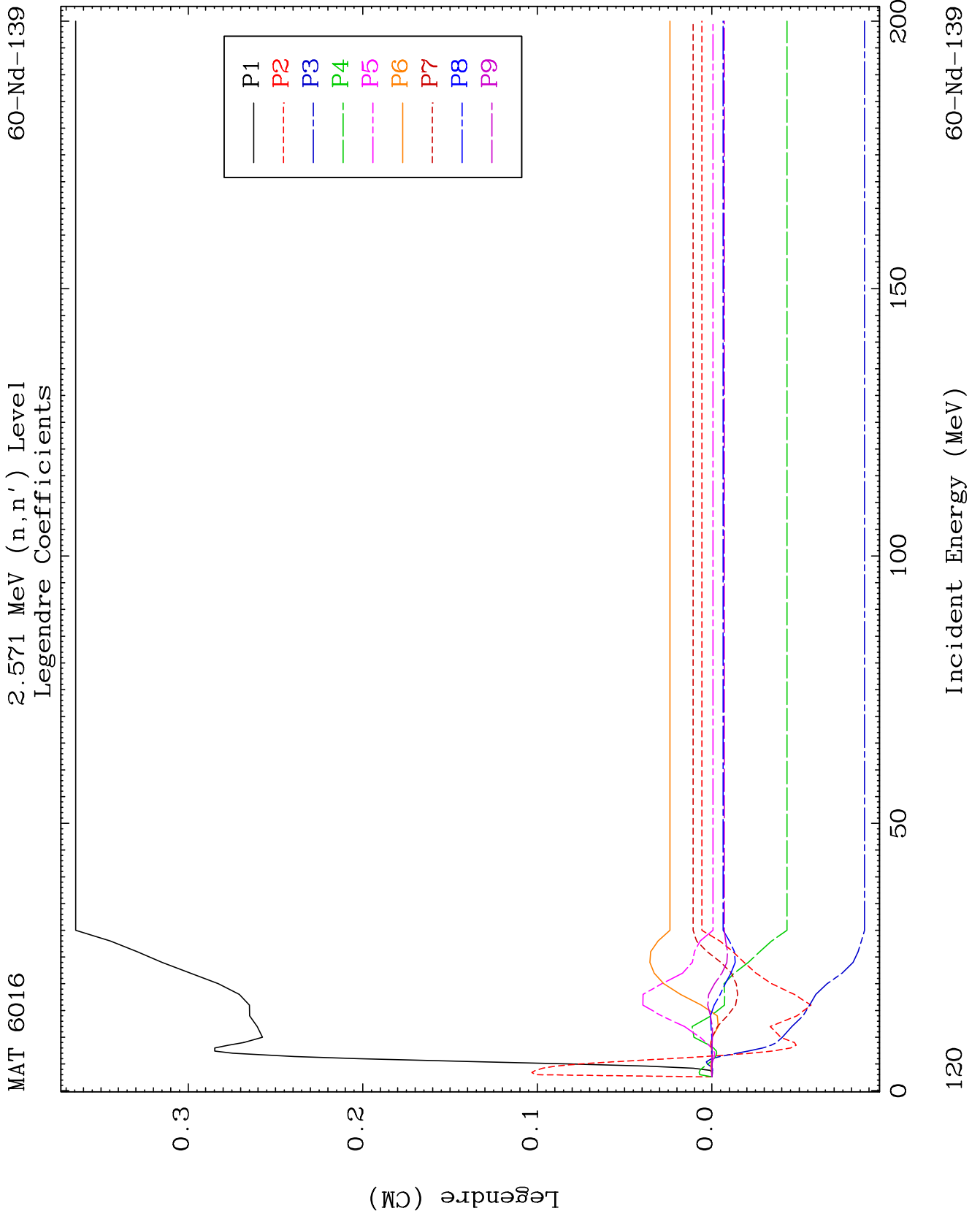


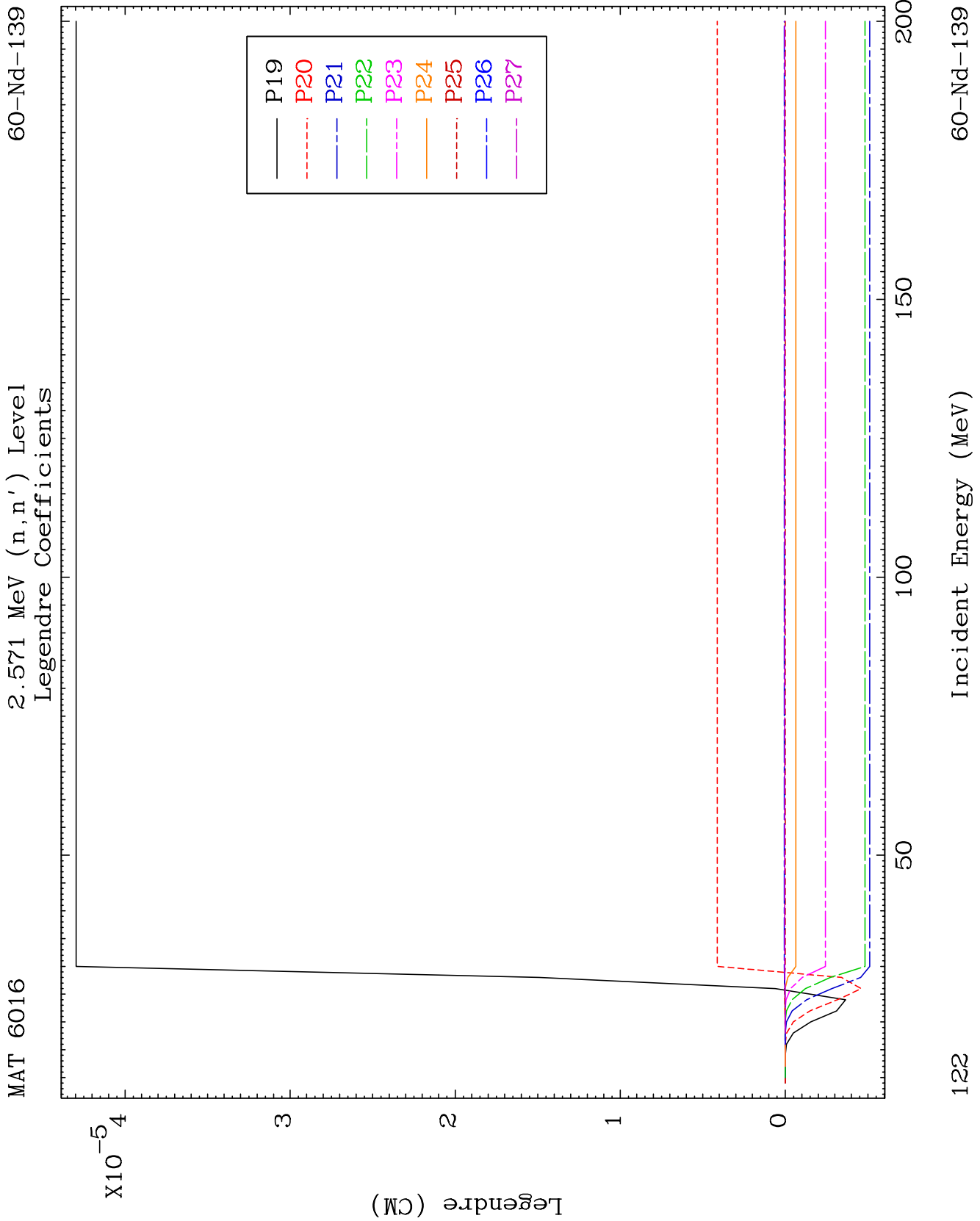


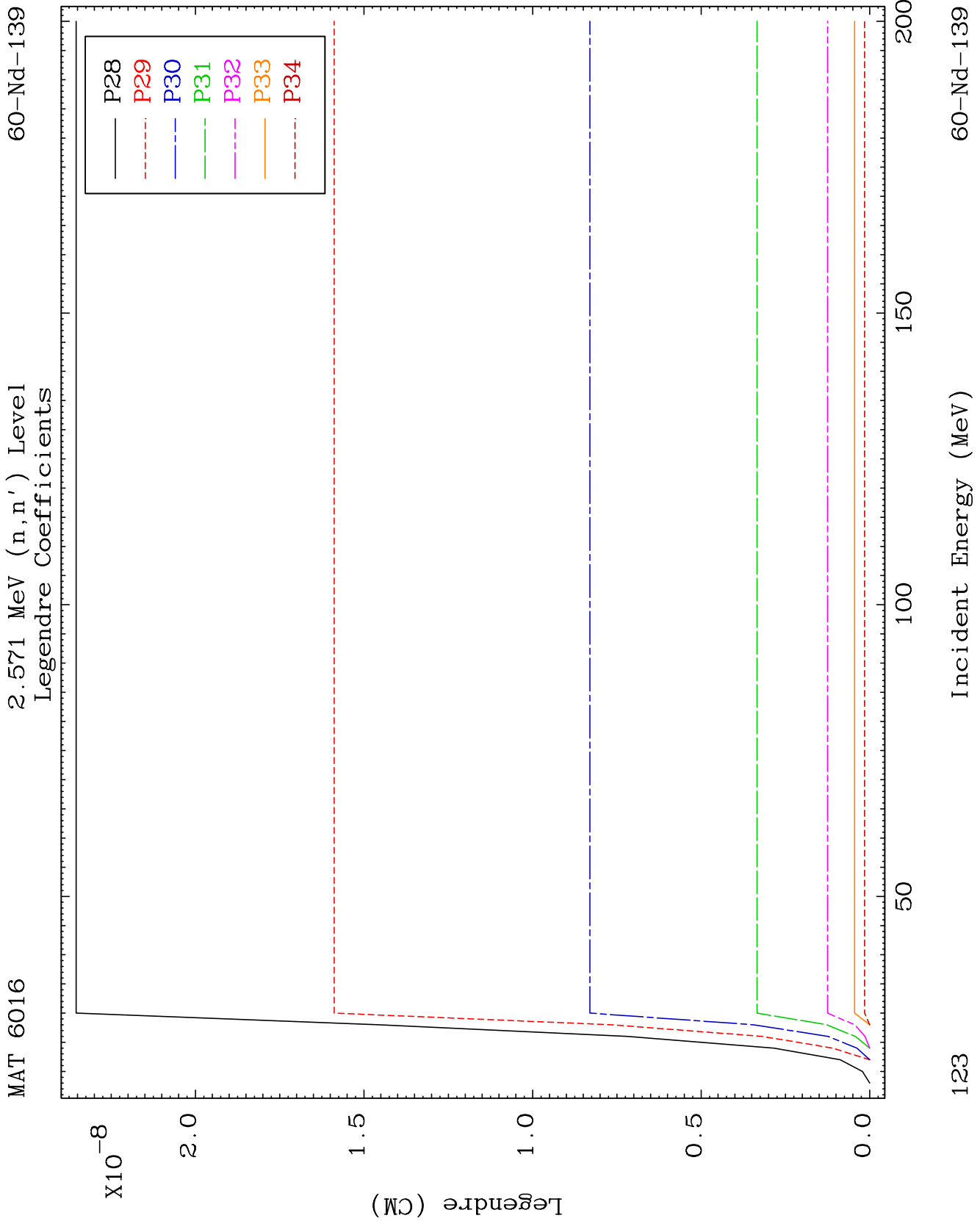


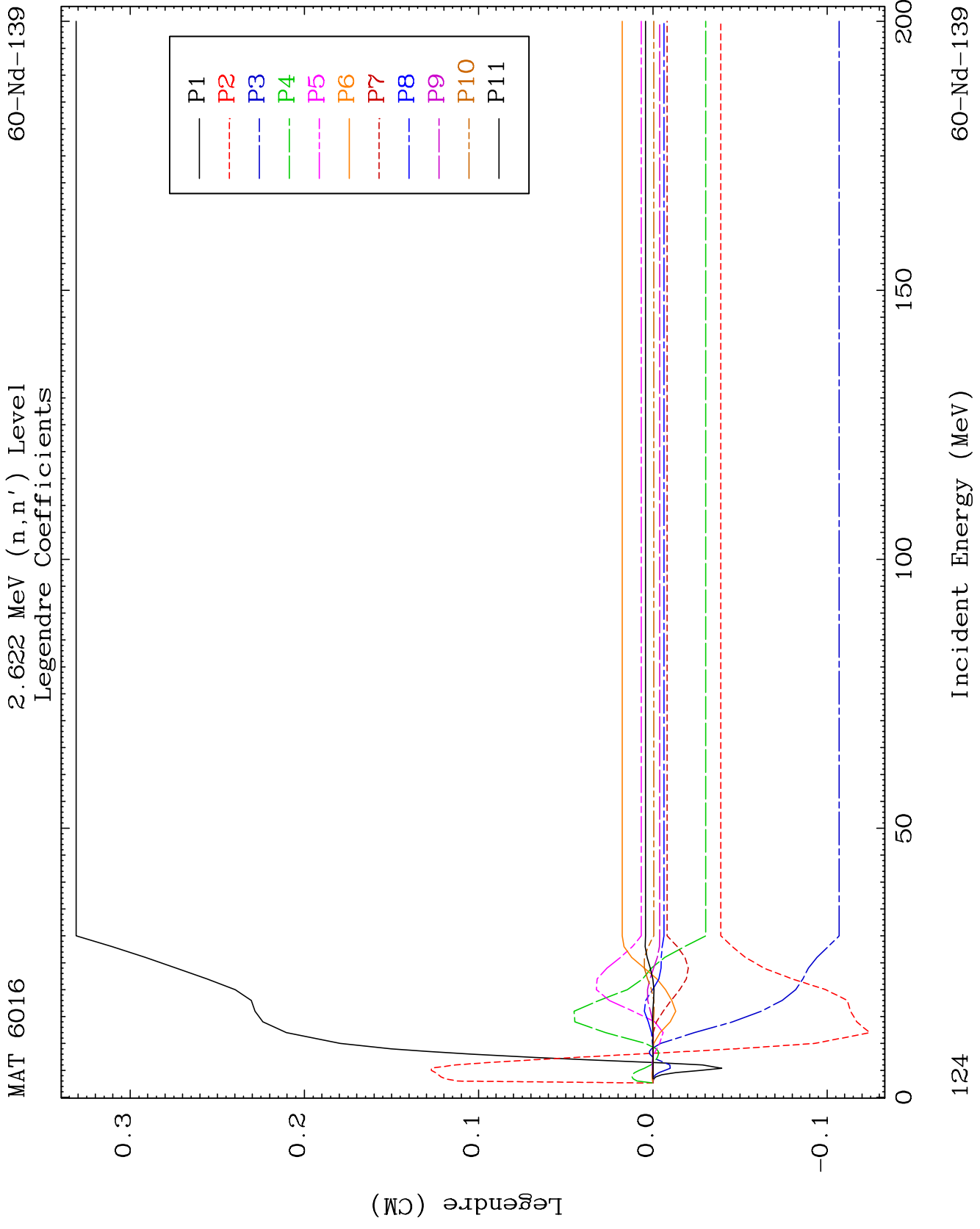








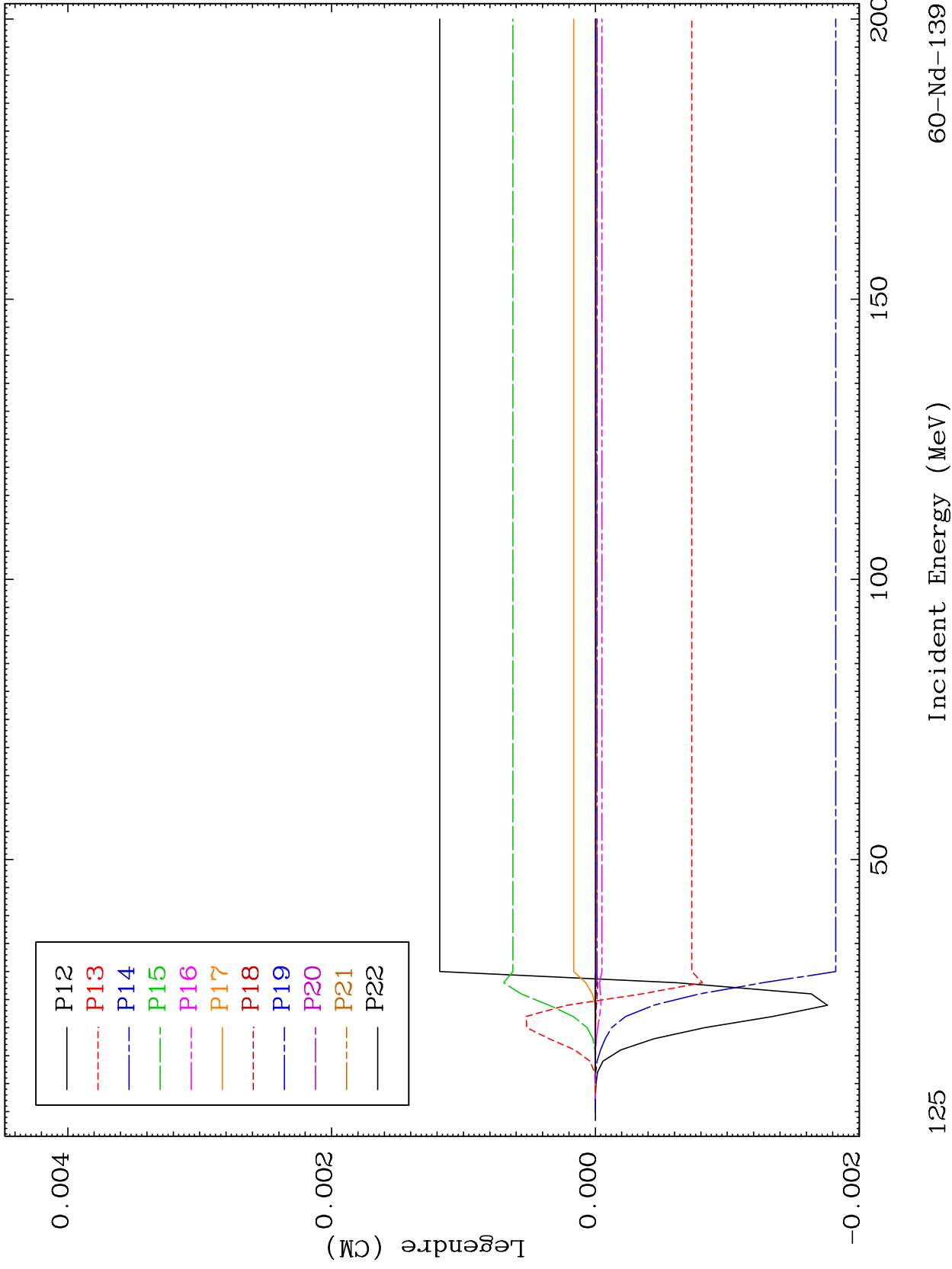




MAT 6016

2.622 MeV (n,n') Level
Legendre Coefficients

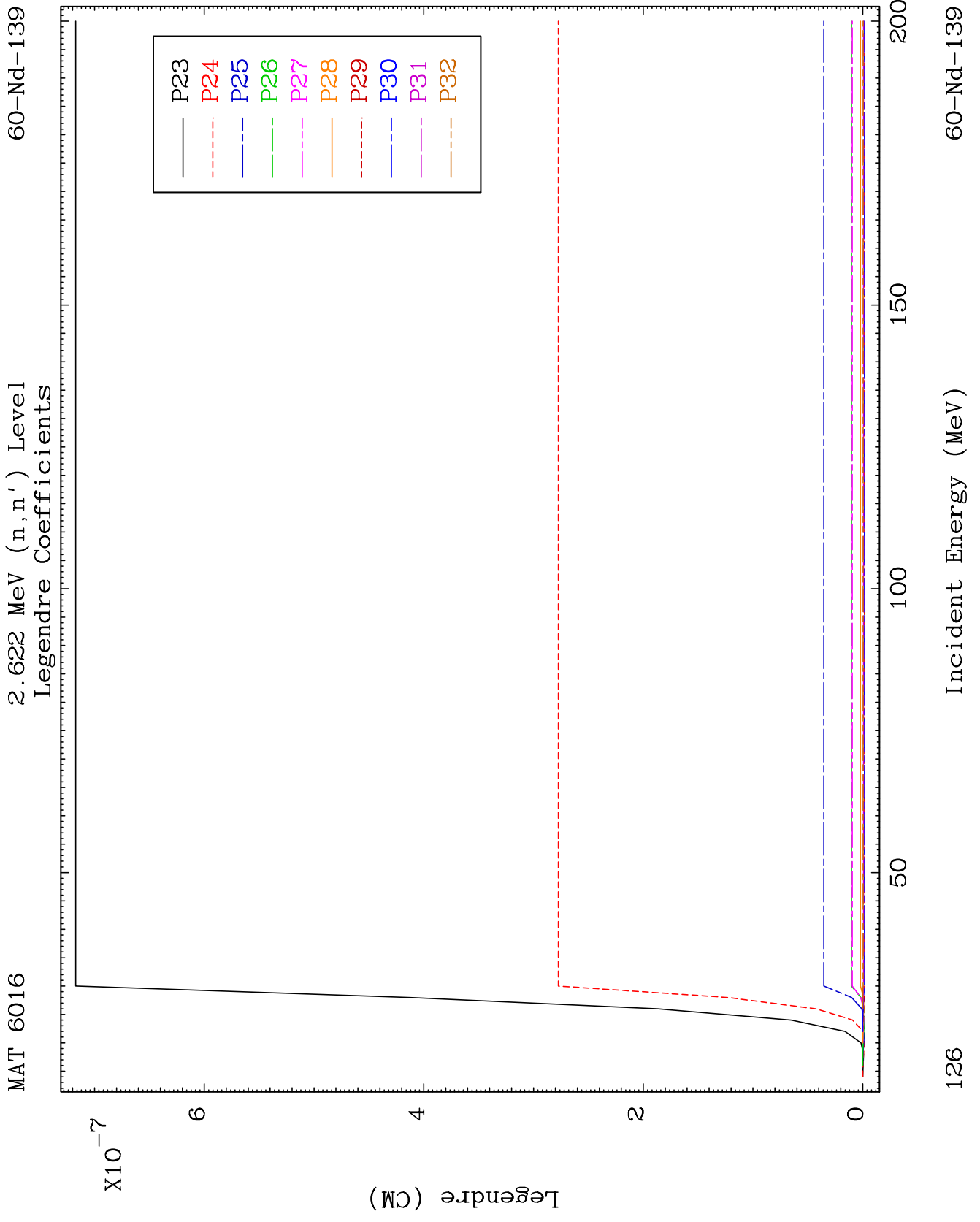
60-Nd-139

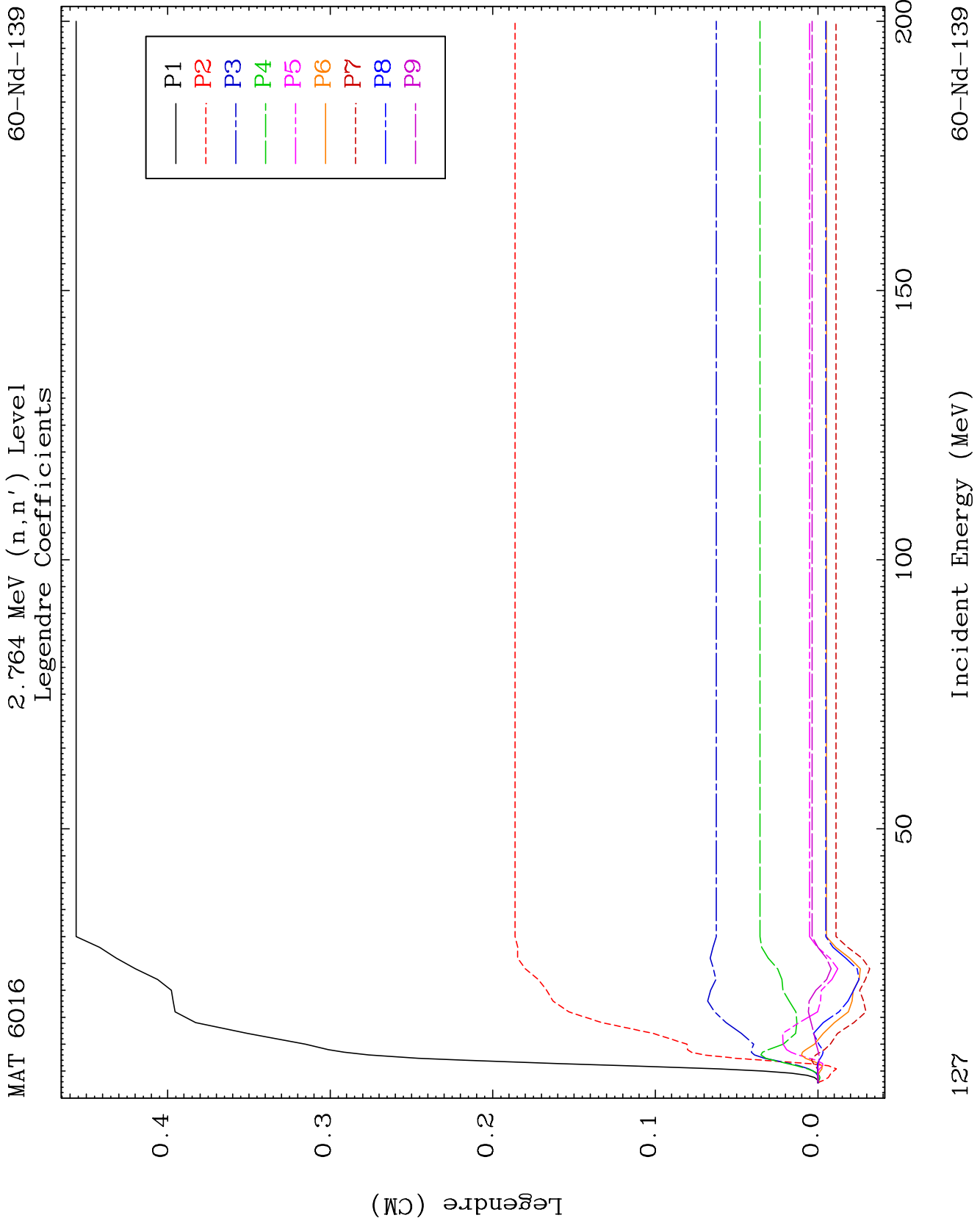


125

Incident Energy (MeV)

60-Nd-139

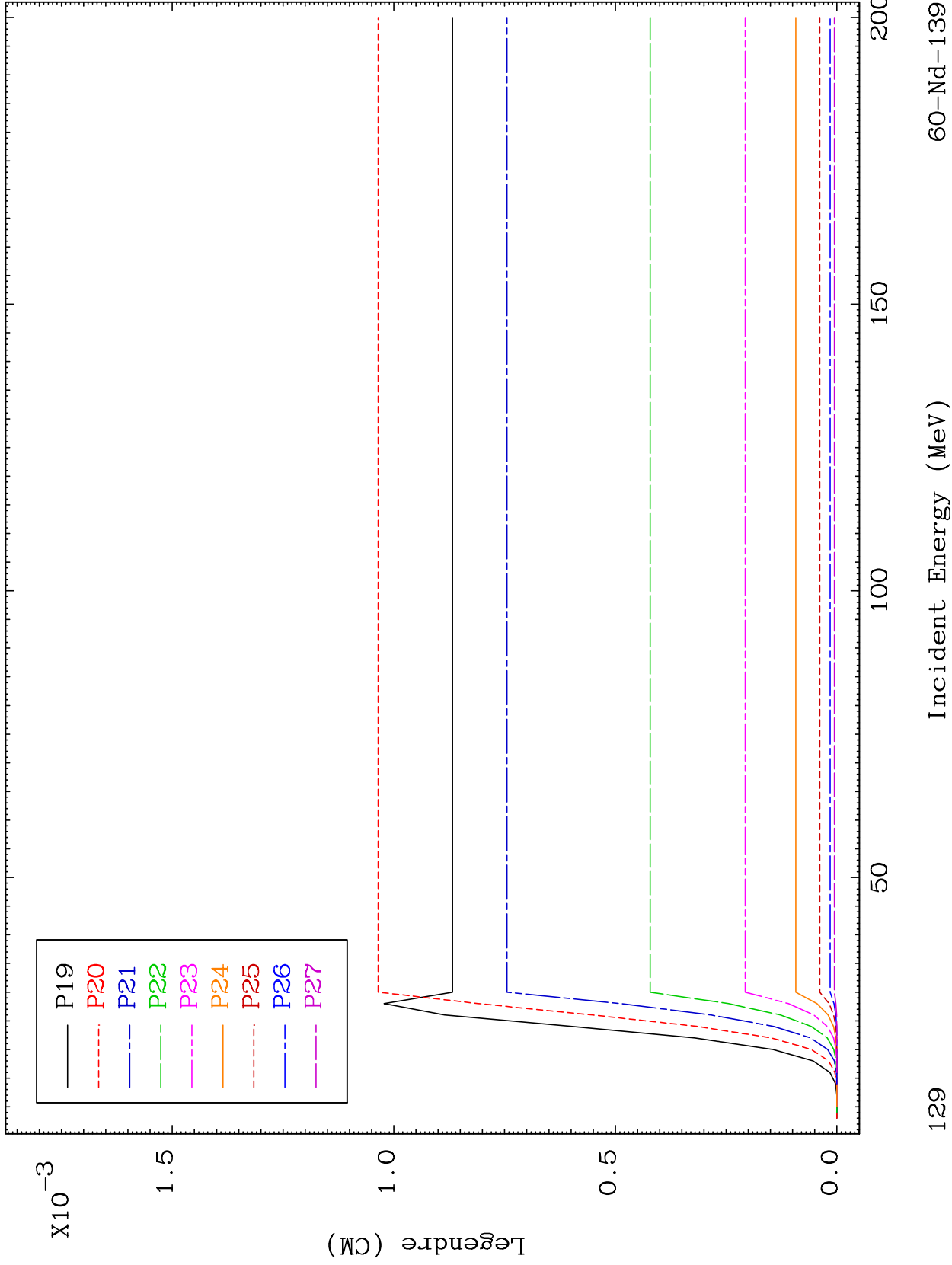




MAT 6016

2.764 MeV (n,n') Level
Legendre Coefficients

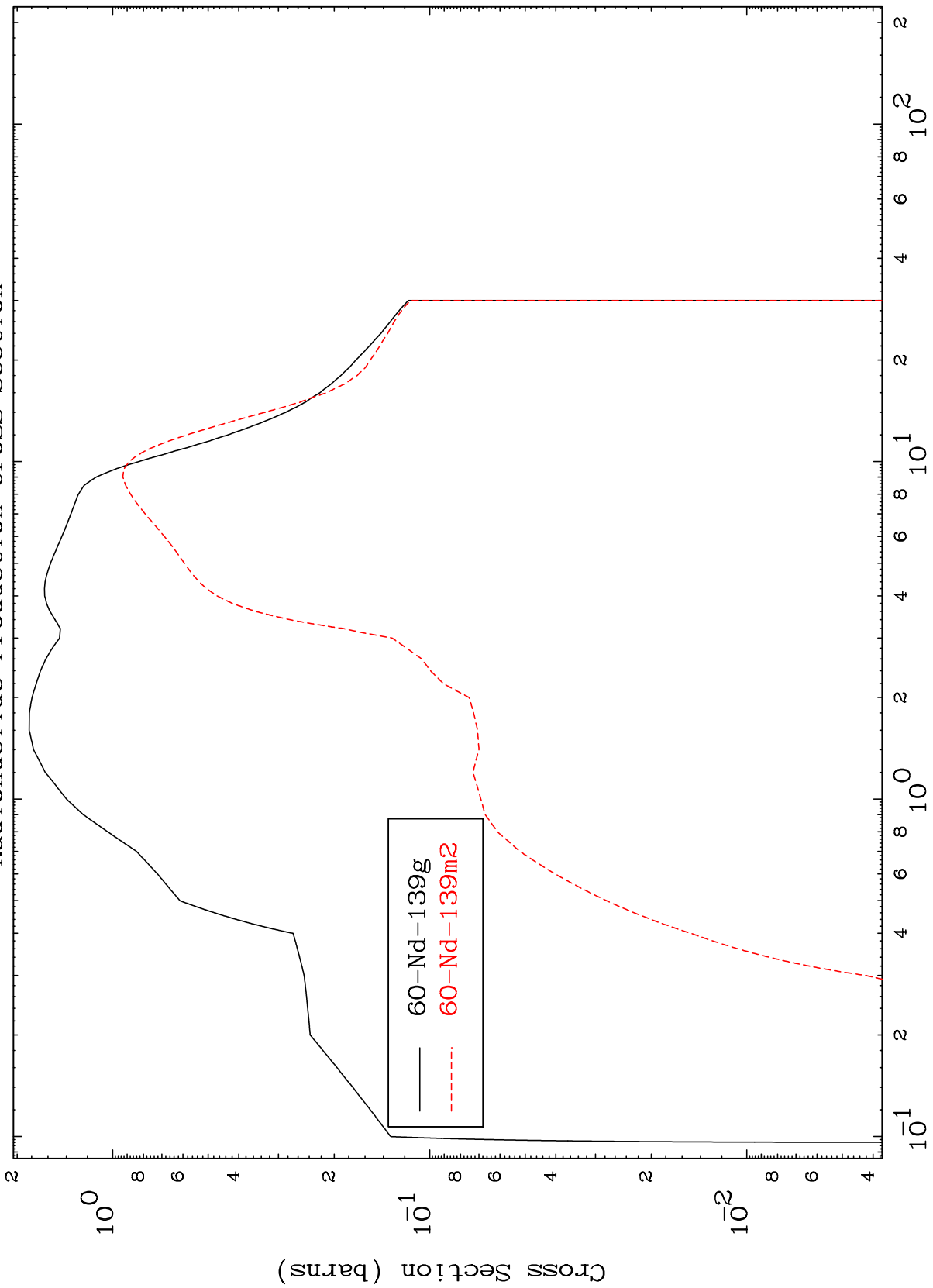
60-Nd-139



MAT 6016

60-Nd-139

Inelastic
Radionuclide Production Cross Section



60-Nd-139

Incident Energy (MeV)

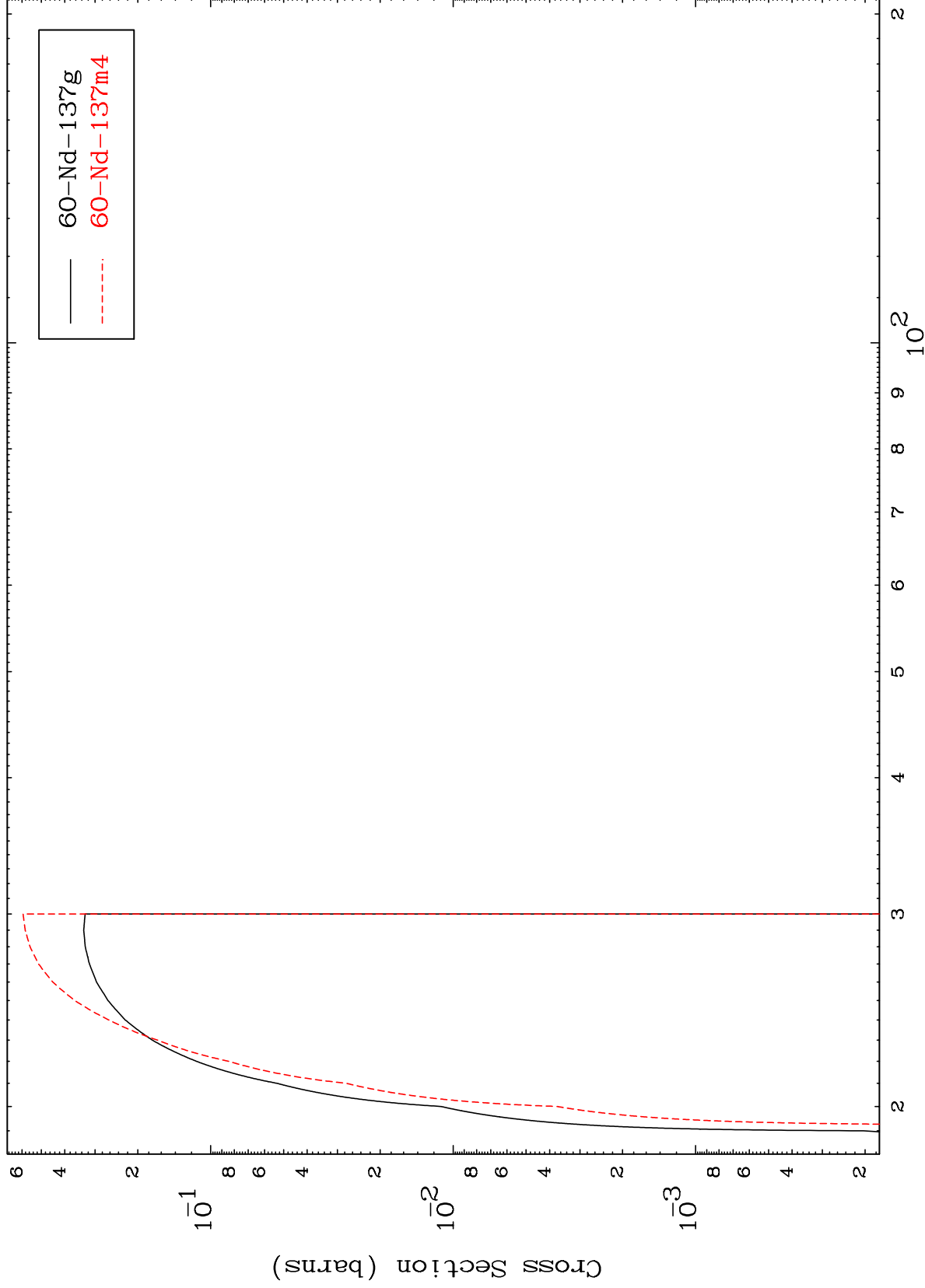
131

MAT 6016

(n,3n)

60-Nd-139

Radionuclide Production Cross Section



132

Incident Energy (MeV)

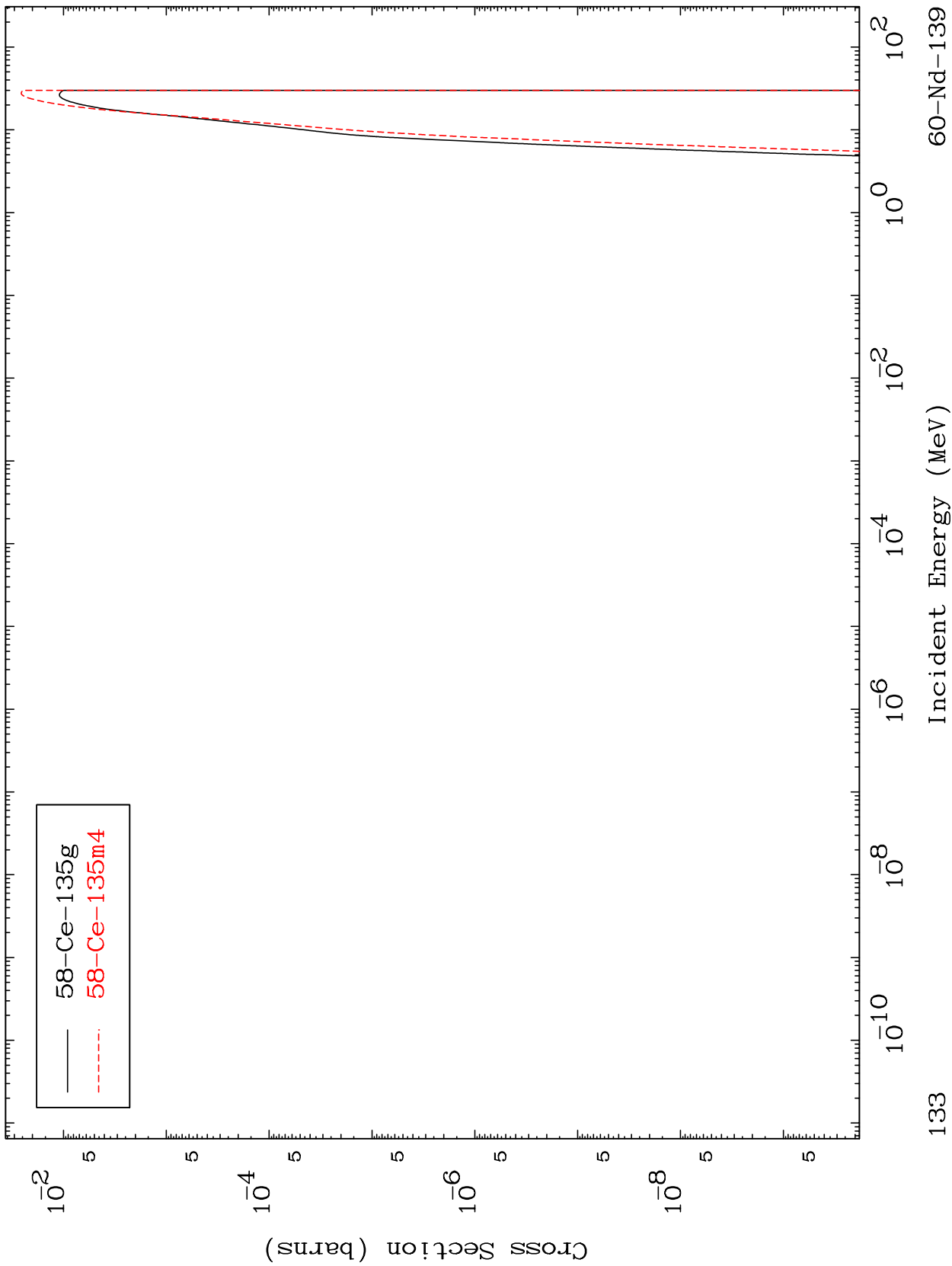
60-Nd-139

MAT 6016

$(n, n') \alpha$

60-Nd-139

Radionuclide Production Cross Section



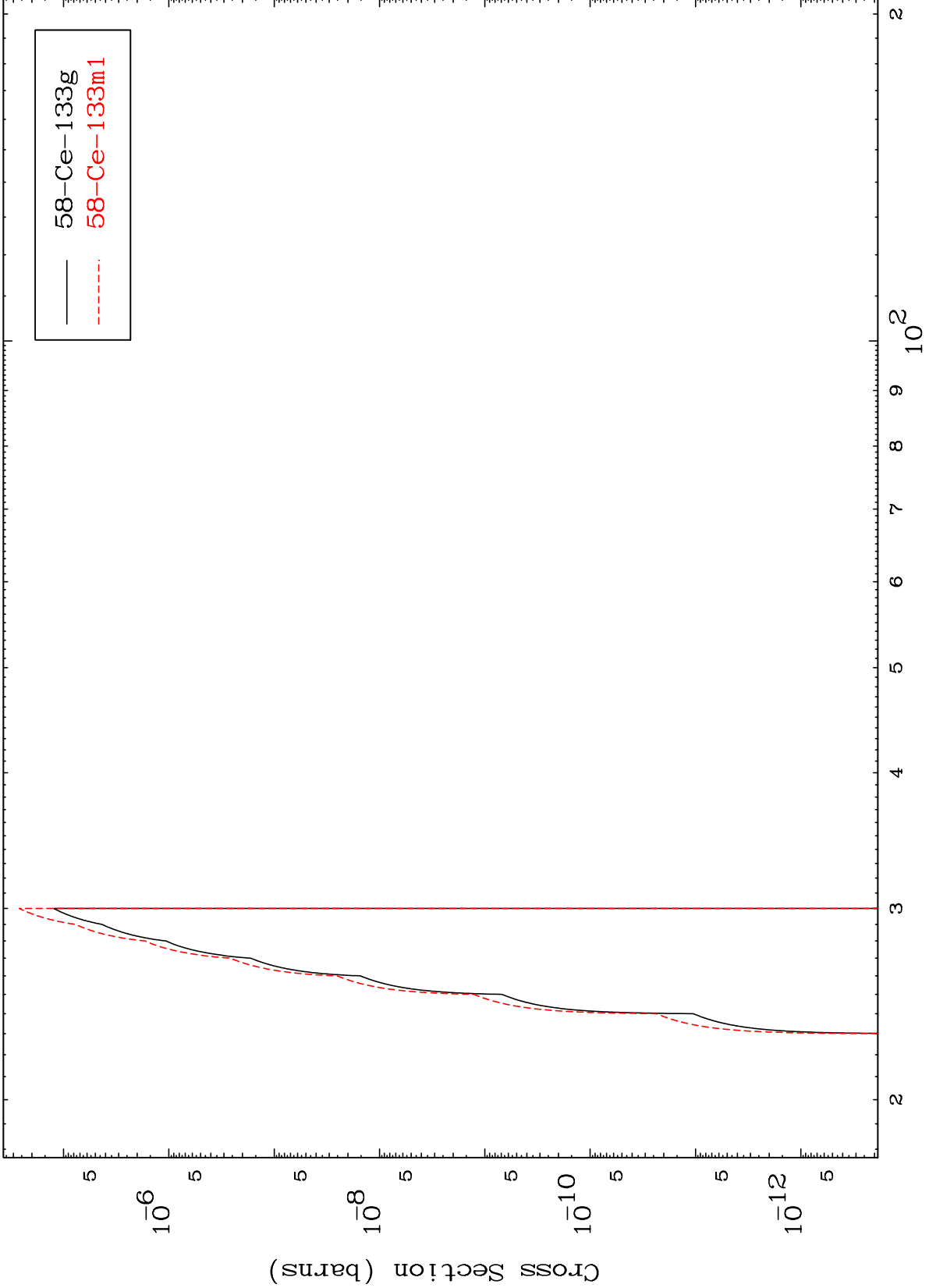
58-Ce-135g
58-Ce-135m4

MAT 6016

$(n,3n) \alpha$

60-Nd-139

Radionuclide Production Cross Section



134

Incident Energy (MeV)

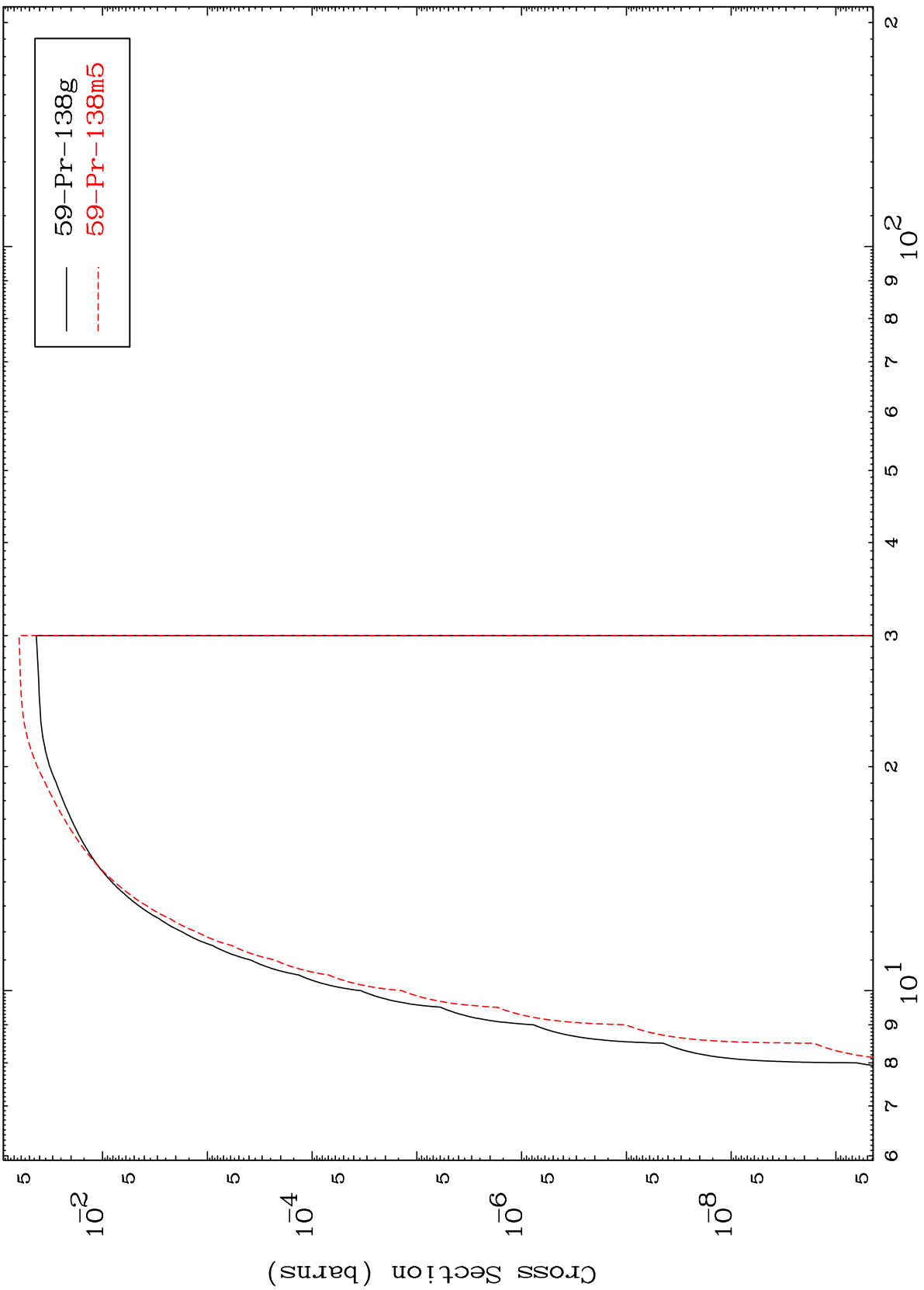
60-Nd-139

MAT 6016

(n,n') p

60-Nd-139

Radionuclide Production Cross Section



135

Incident Energy (MeV)

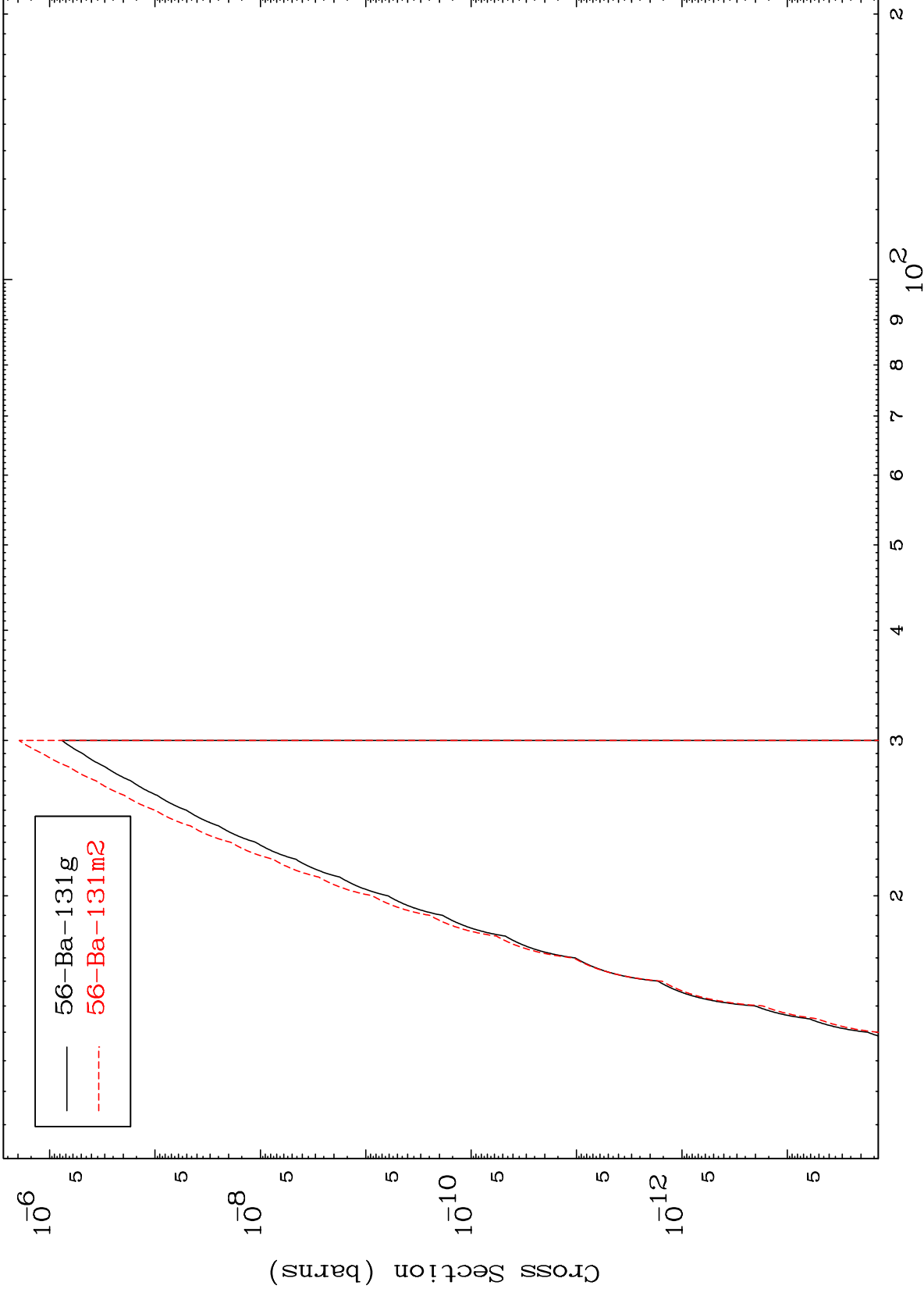
60-Nd-139

MAT 6016

(n,n') 2α

60-Nd-139

Radionuclide Production Cross Section



136

Incident Energy (MeV)

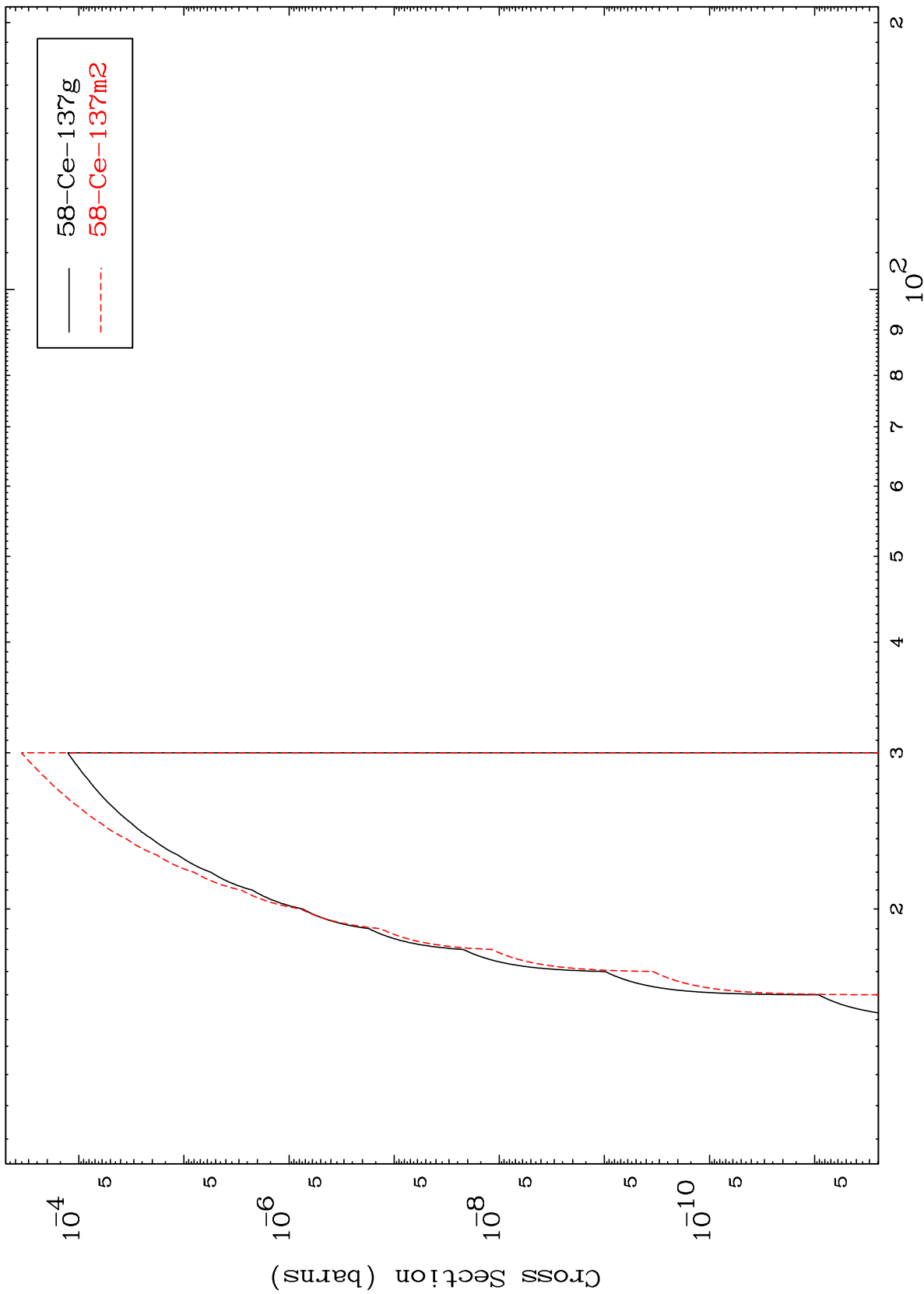
60-Nd-139

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



137

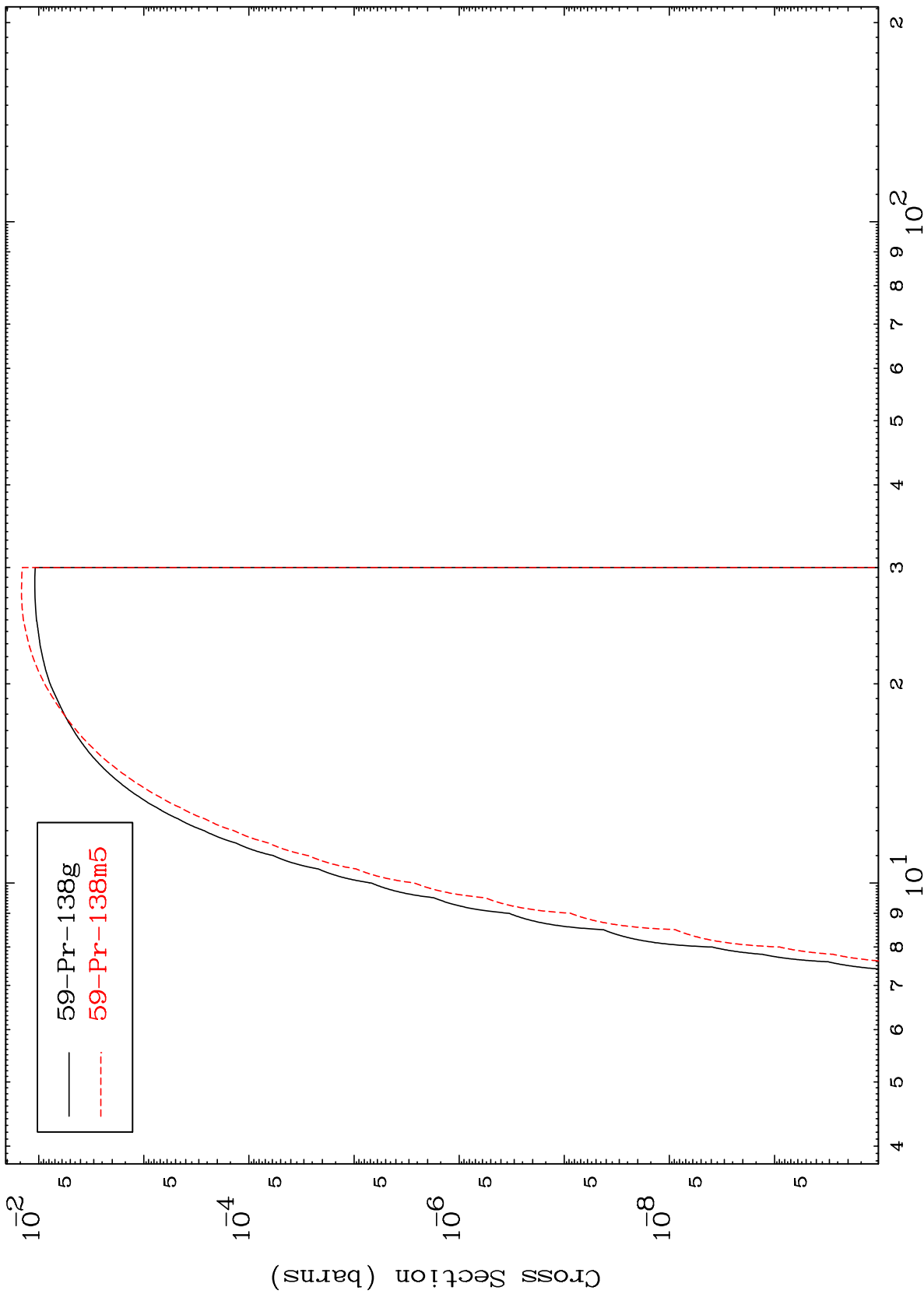
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n,d)
Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

138

Incident Energy (MeV)

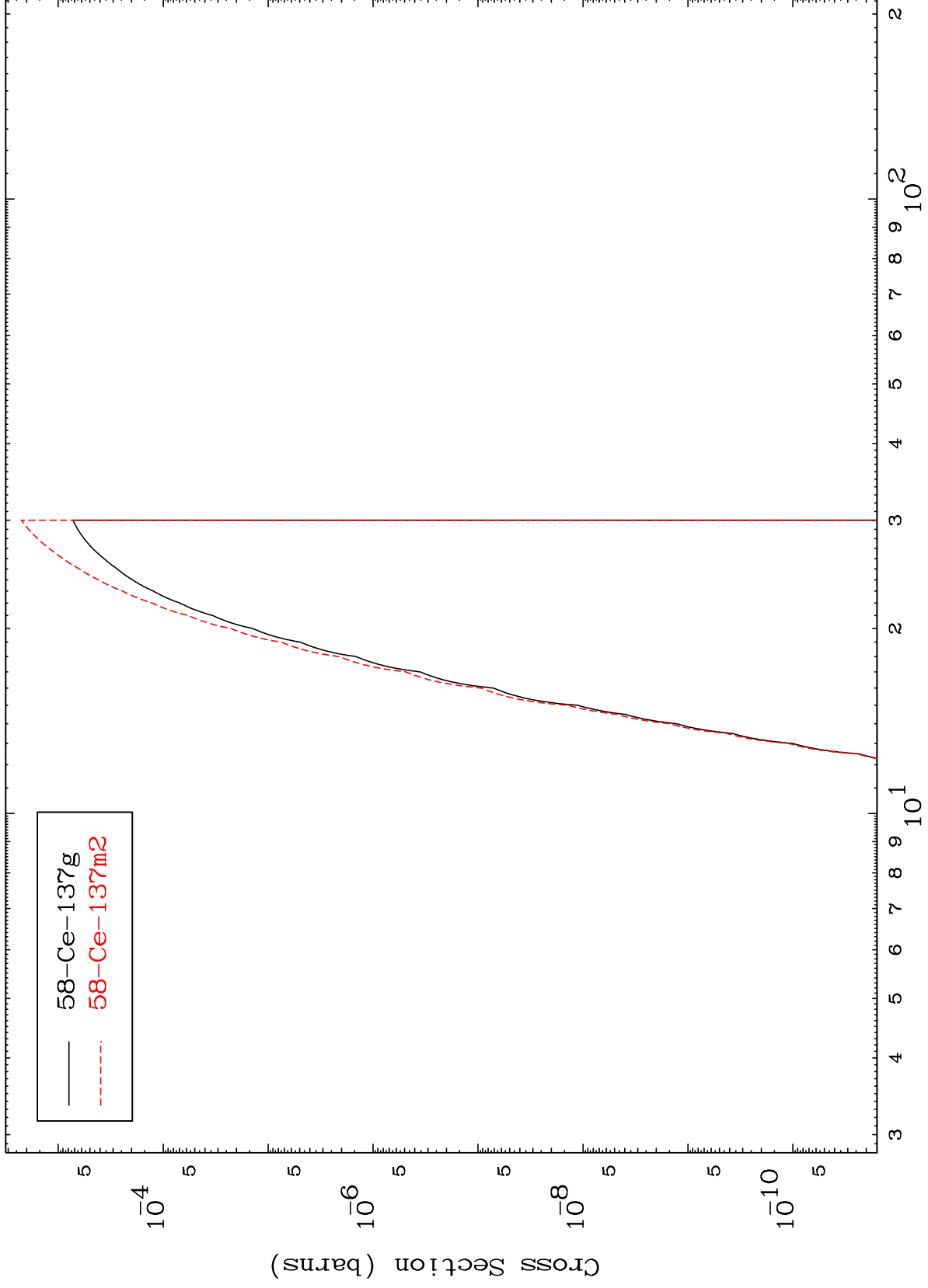
60-Nd-139

MAT 6016

(n,He-3)

60-Nd-139

Radionuclide Production Cross Section



139

Incident Energy (MeV)

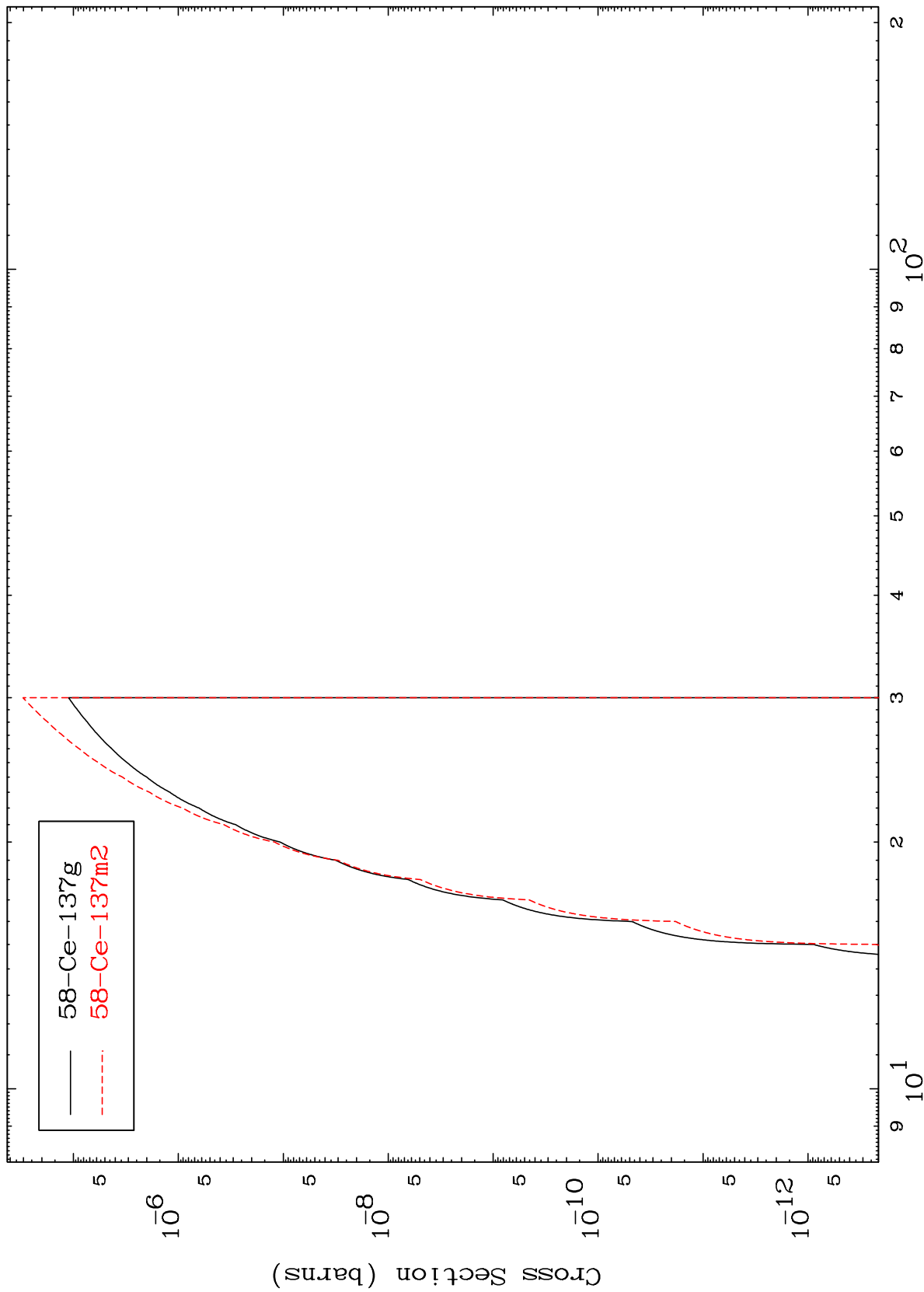
60-Nd-139

MAT 6016

(n,p) d

60-Nd-139

Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

140

Incident Energy (MeV)

60-Nd-139