

Program EVALPLOT
(Version 2015-2)

by

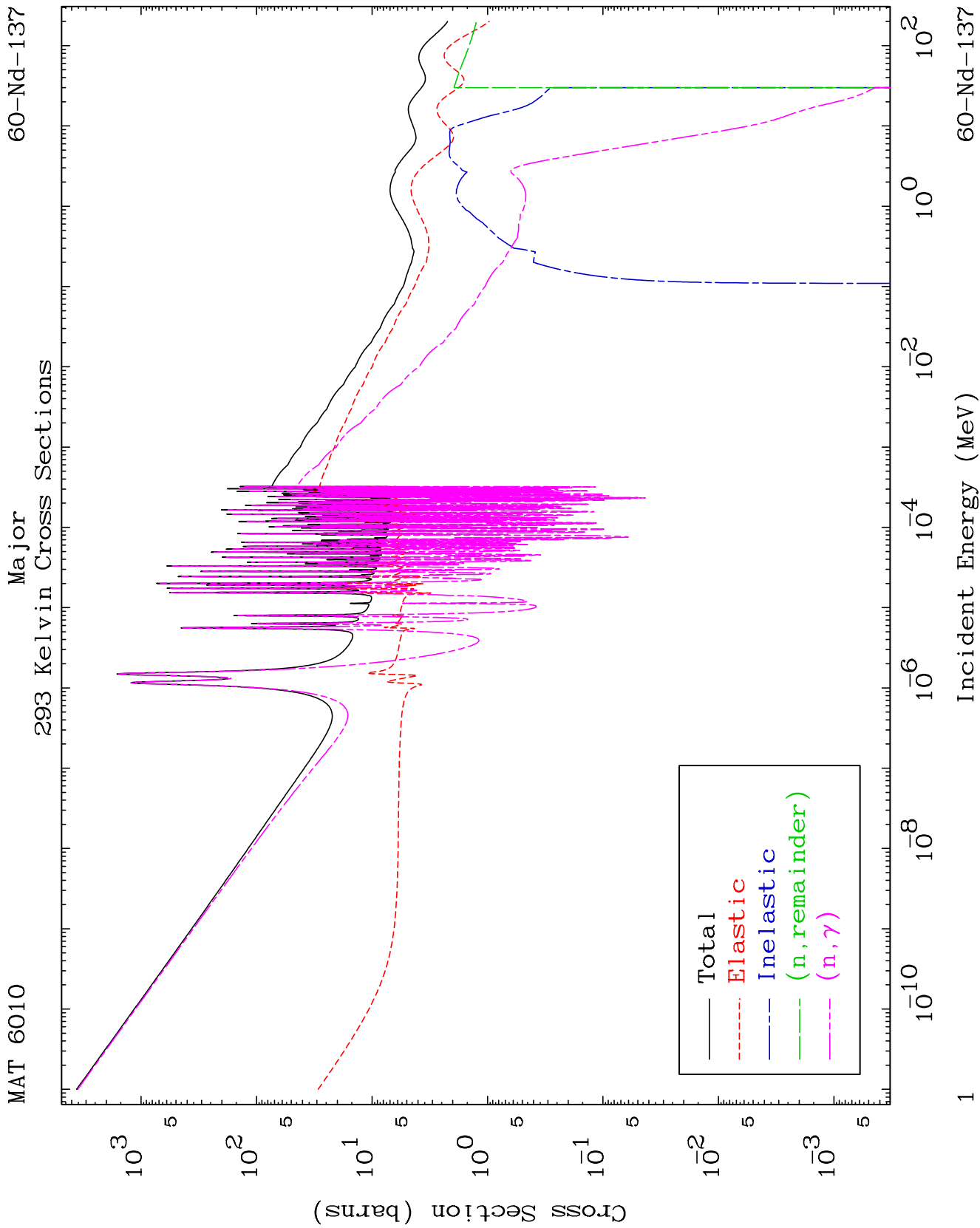
Dermott E. Cullen
(Present Contact Information)

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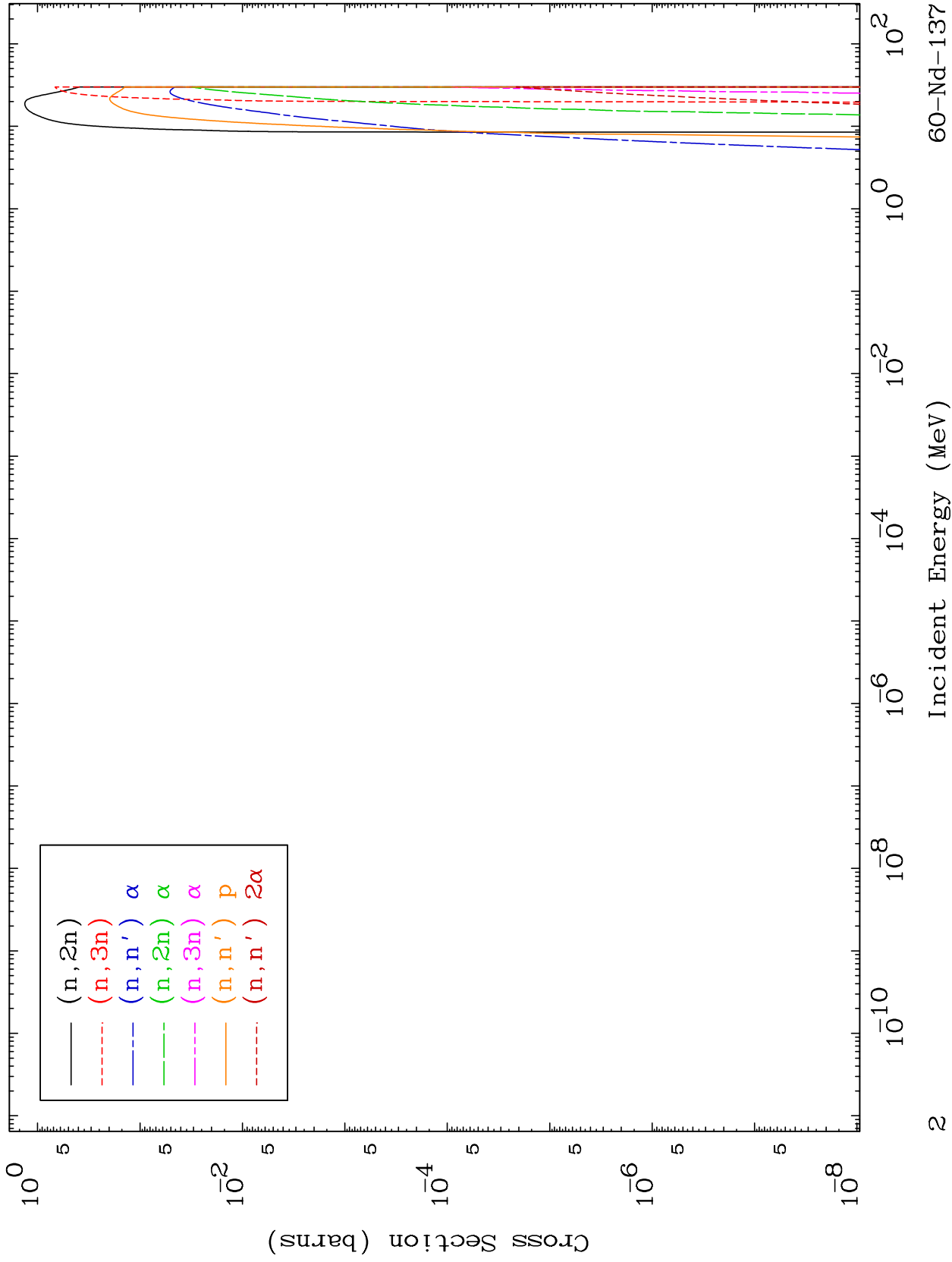
Press Mouse Button to Start



MAT 6010

Neutron Production
293 Kelvin Cross Sections

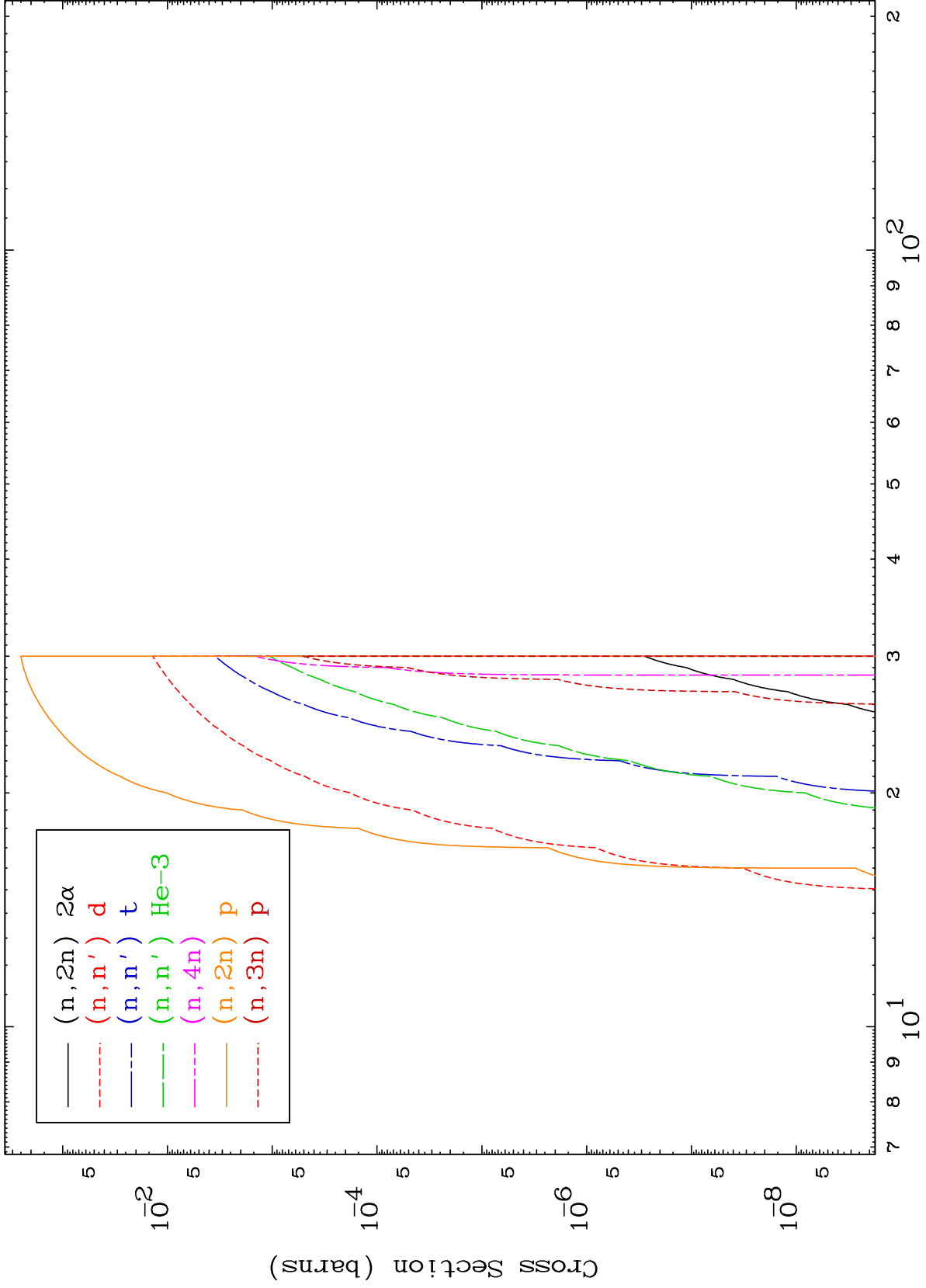
60-Nd-137



MAT 6010

Neutron Production
293 Kelvin Cross Sections

60-Nd-137



3

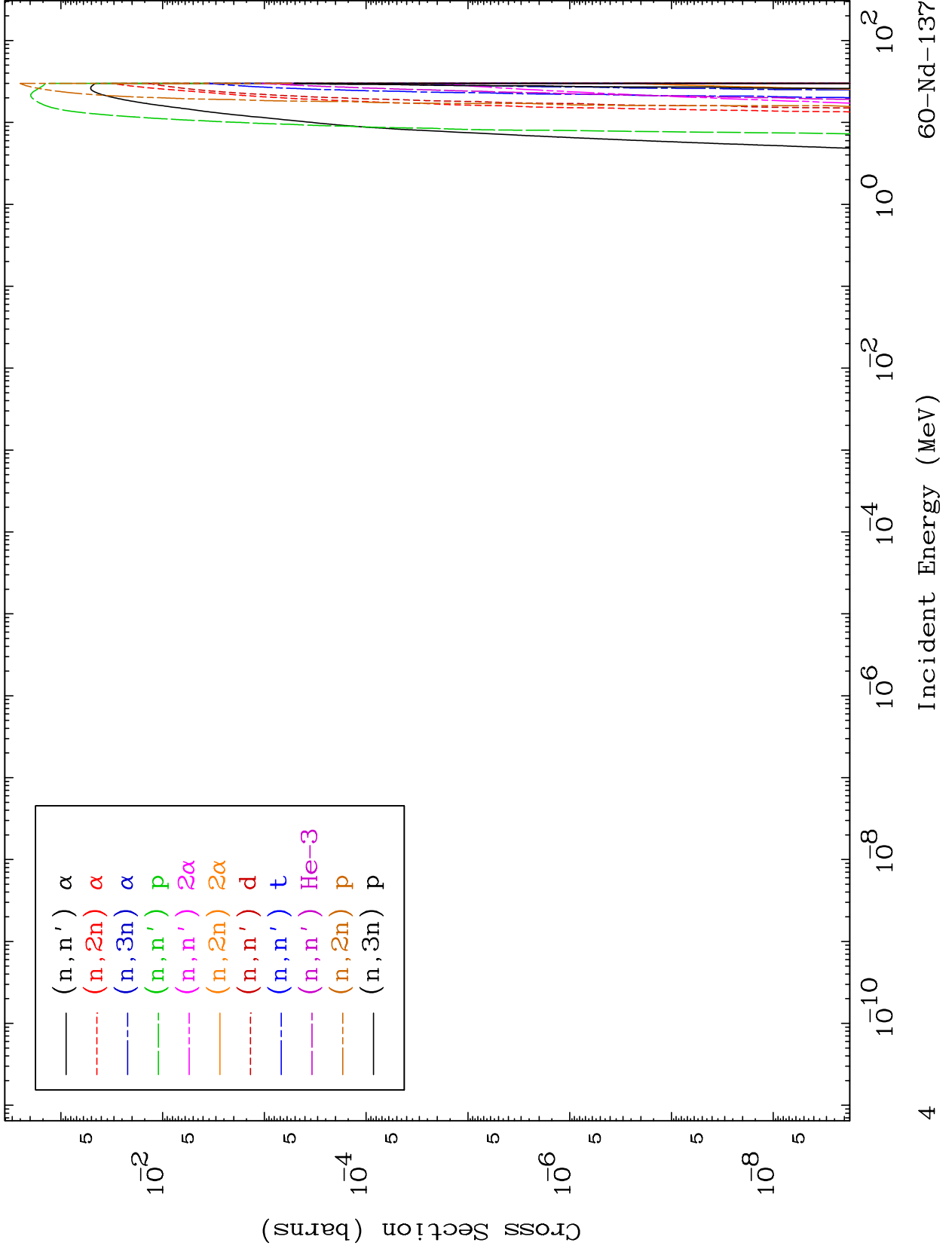
Incident Energy (MeV)

60-Nd-137

MAT 6010

Charged Particle
293 Kelvin Cross Sections

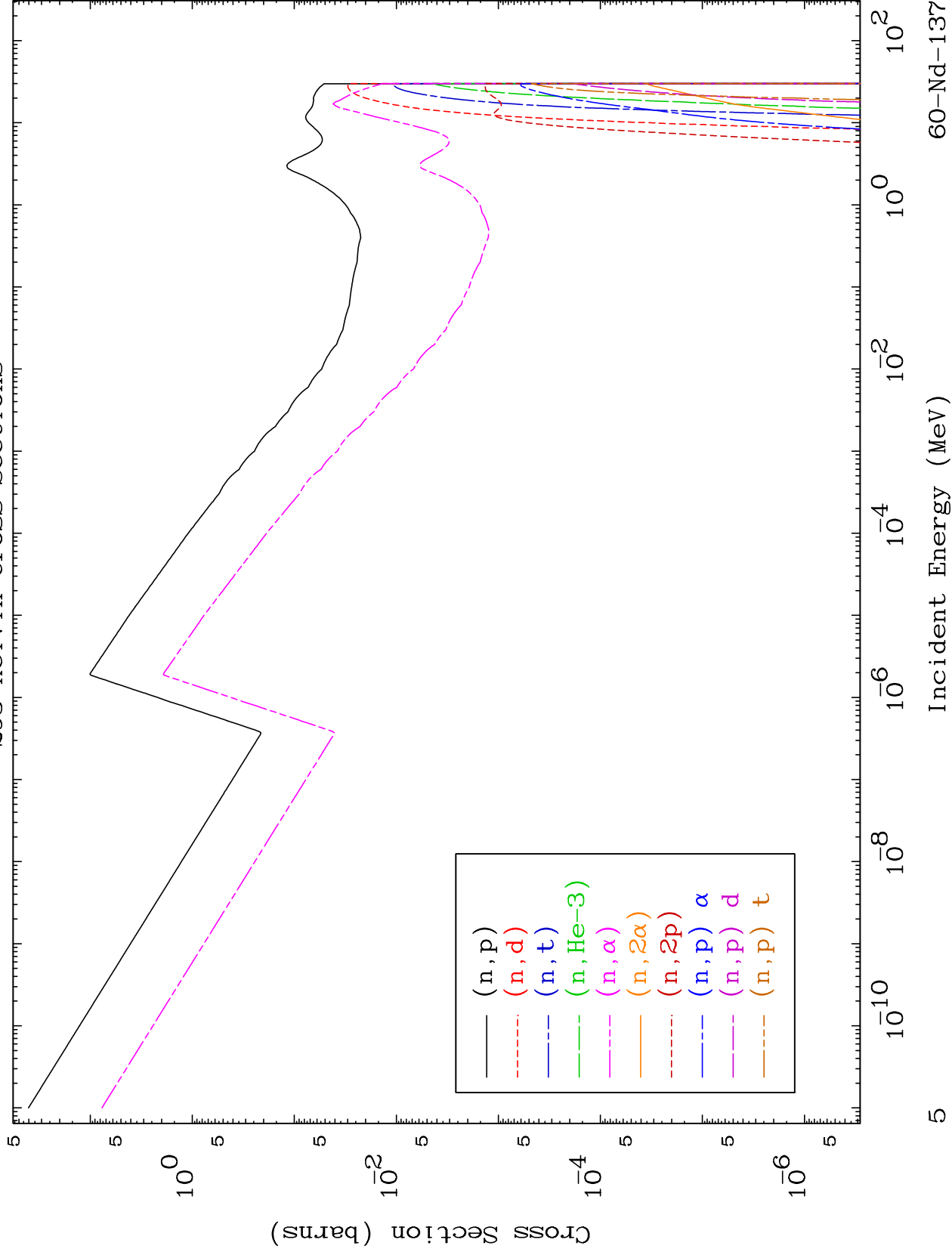
60-Nd-137



MAT 6010

Charged Particle
293 Kelvin Cross Sections

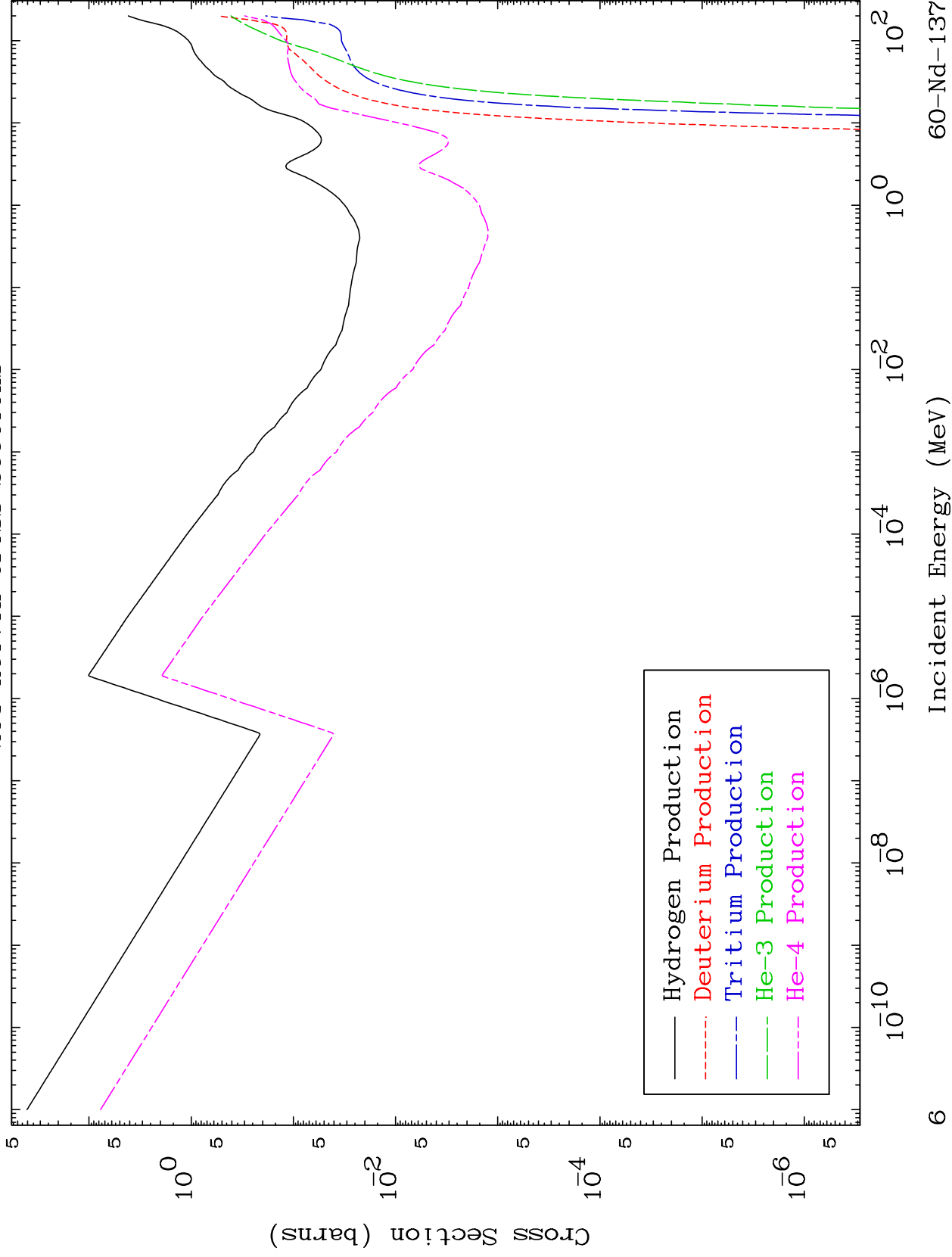
60-Nd-137



MAT 6010

Particle Production
293 Kelvin Cross Sections

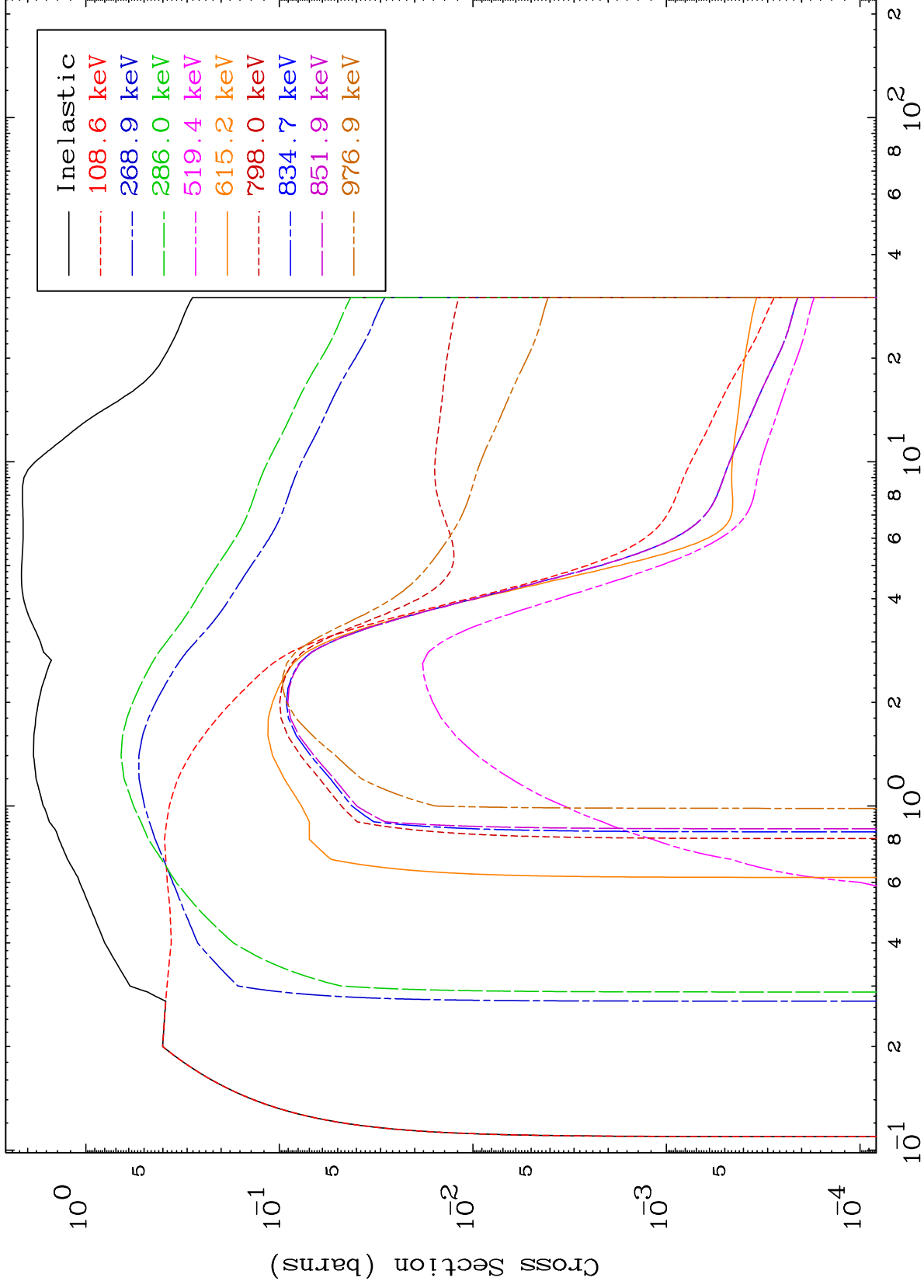
60-Nd-137



MAT 6010

(n,n') Level
293 Kelvin Cross Sections

60-Nd-137



Incident Energy (MeV)

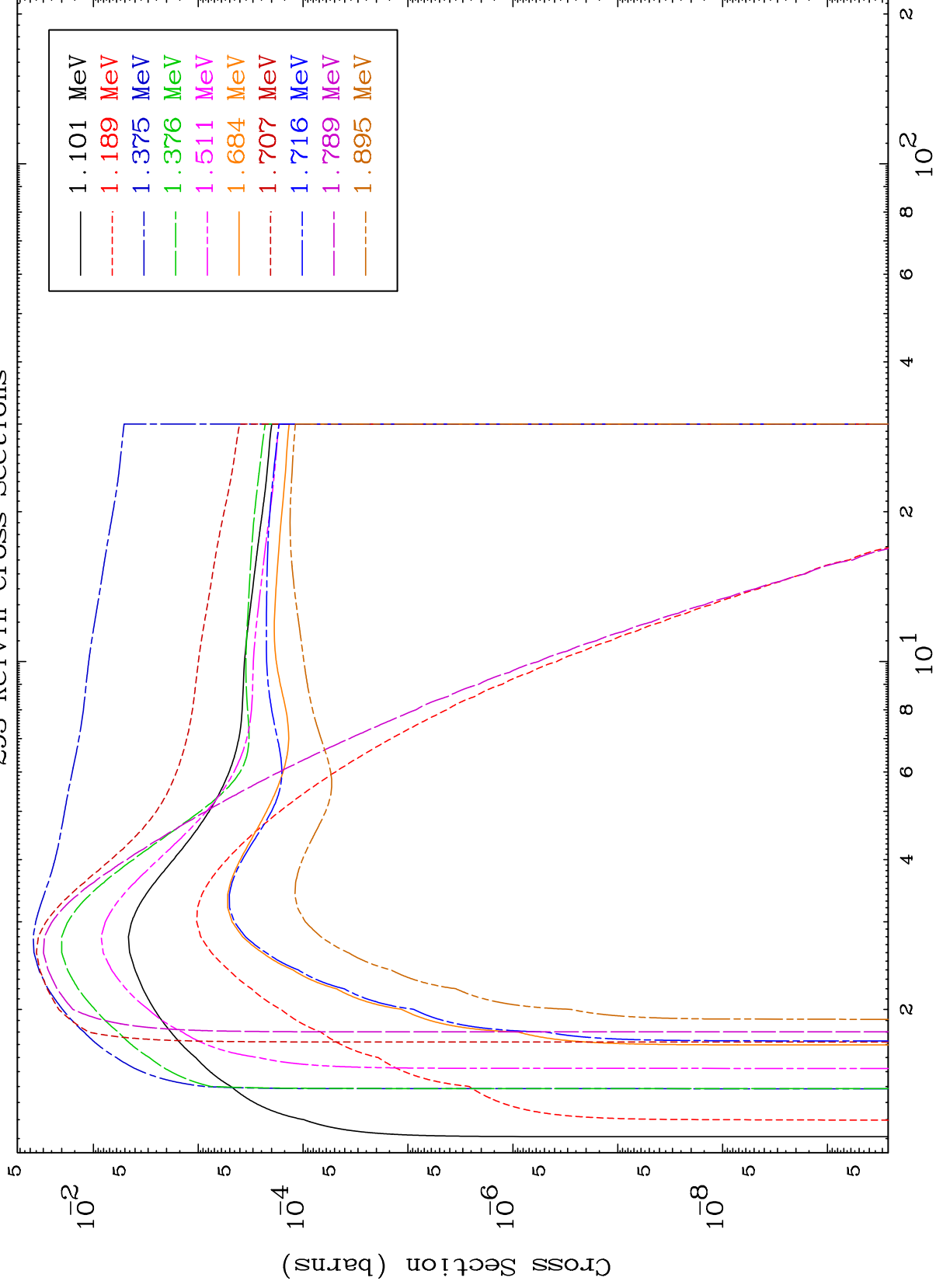
60-Nd-137

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MAT 6010

(n,n') Level
293 Kelvin Cross Sections

60-Nd-137



8

Incident Energy (MeV)

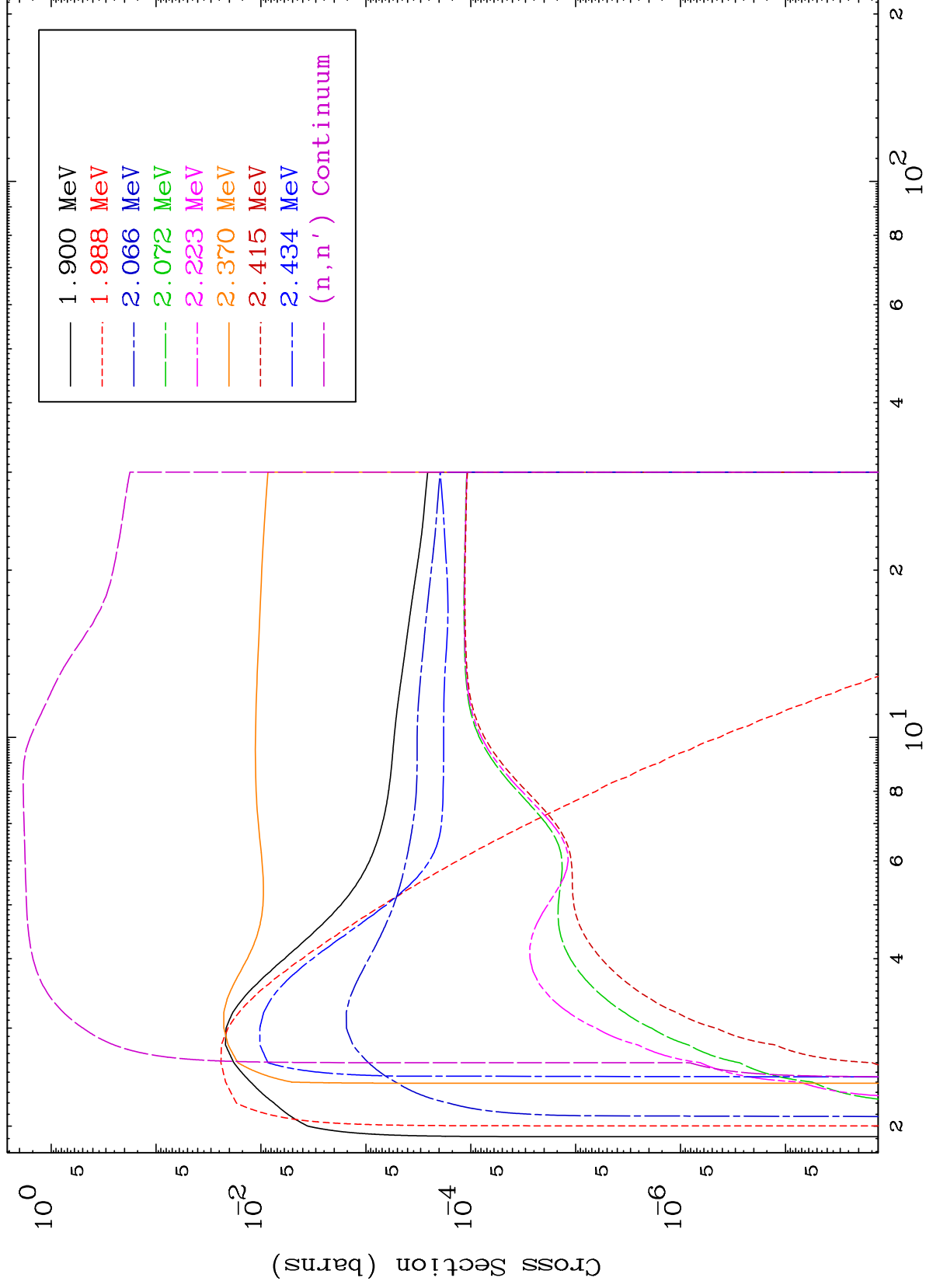
60-Nd-137

MAT 6010

(n,n') Level

60-Nd-137

293 Kelvin Cross Sections



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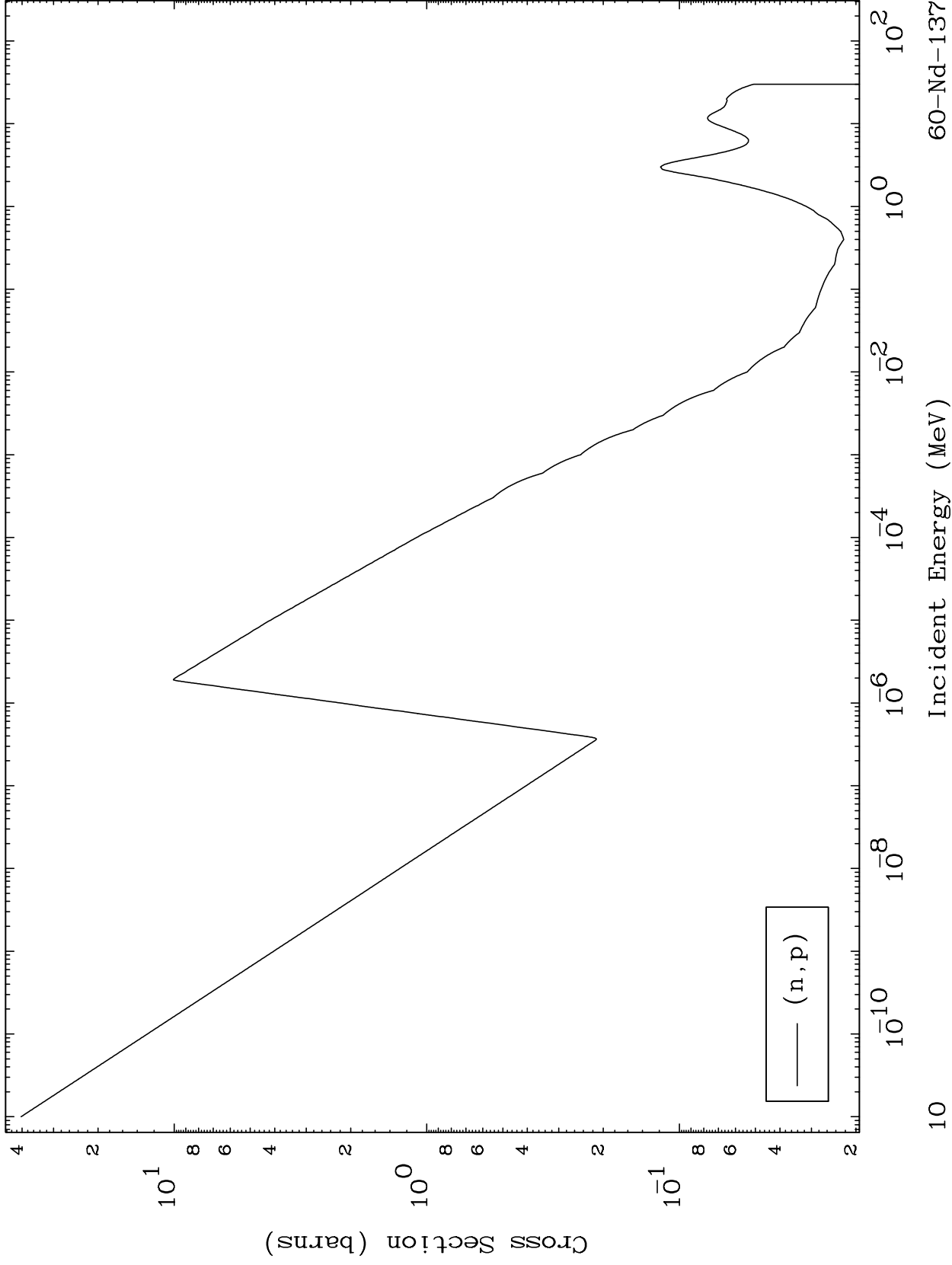
Incident Energy (MeV)

60-Nd-137

MAT 6010

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-137

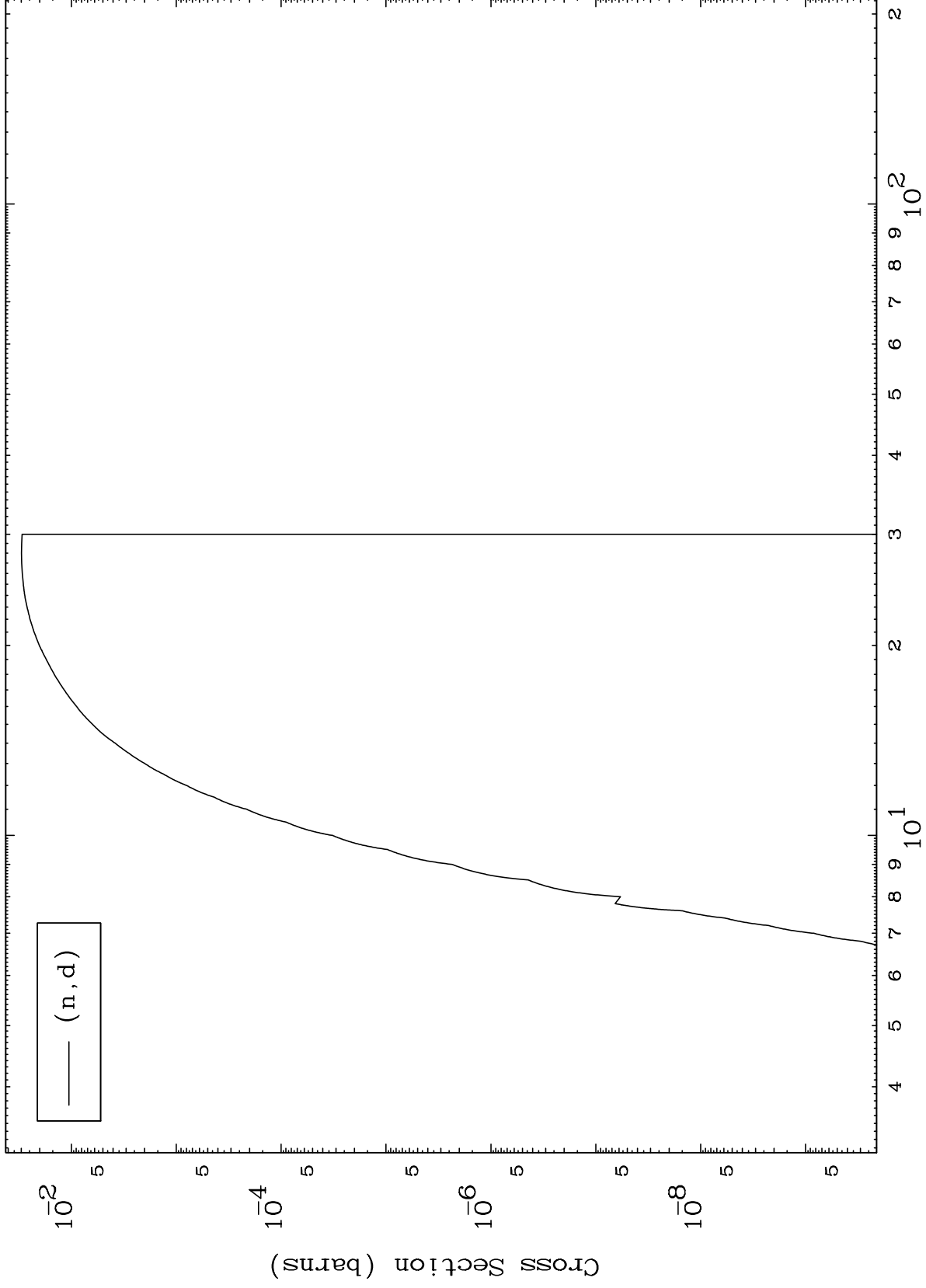


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MAT 6010

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-137



11

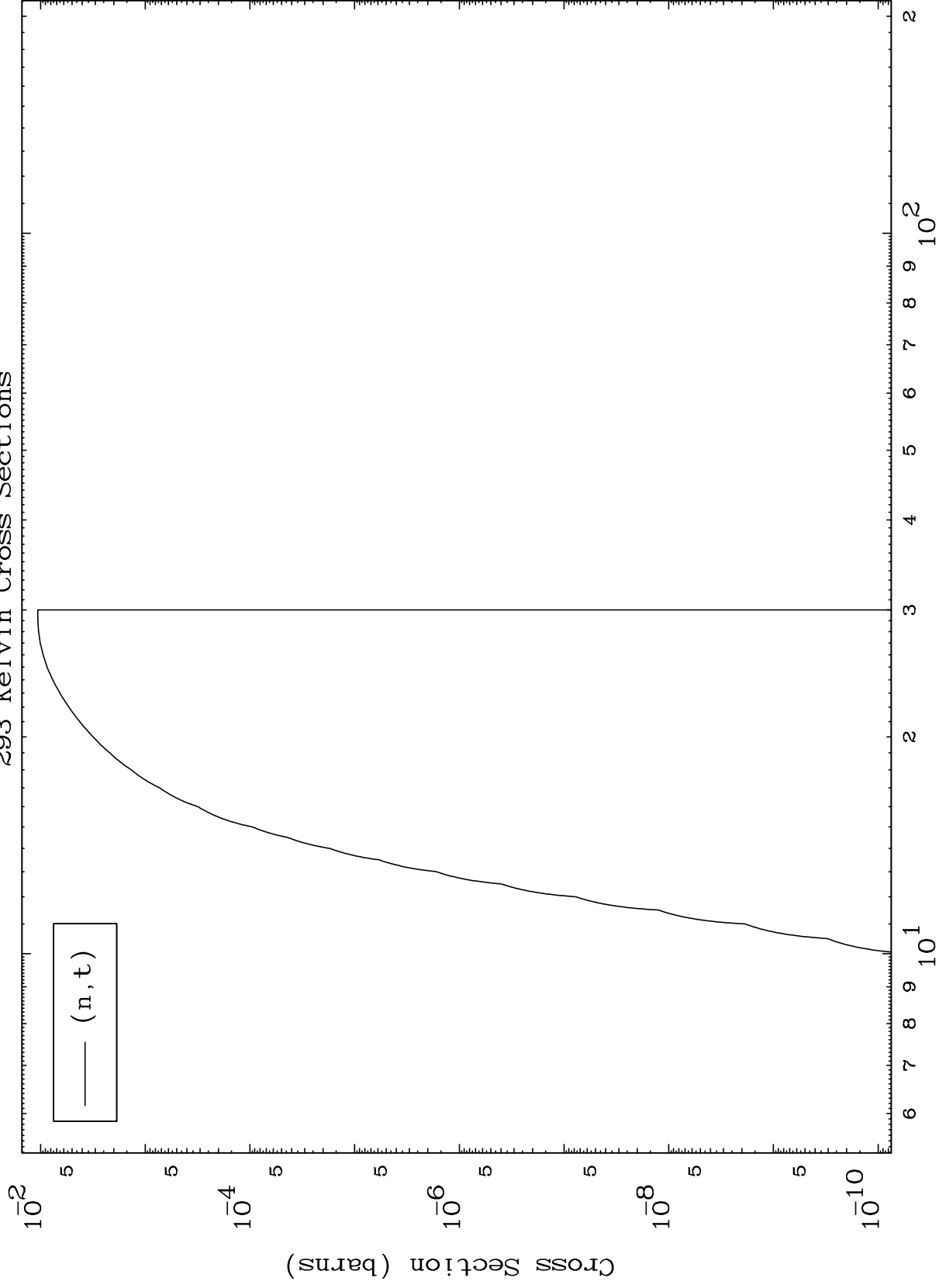
Incident Energy (MeV)

60-Nd-137

MAT 6010

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-137



12

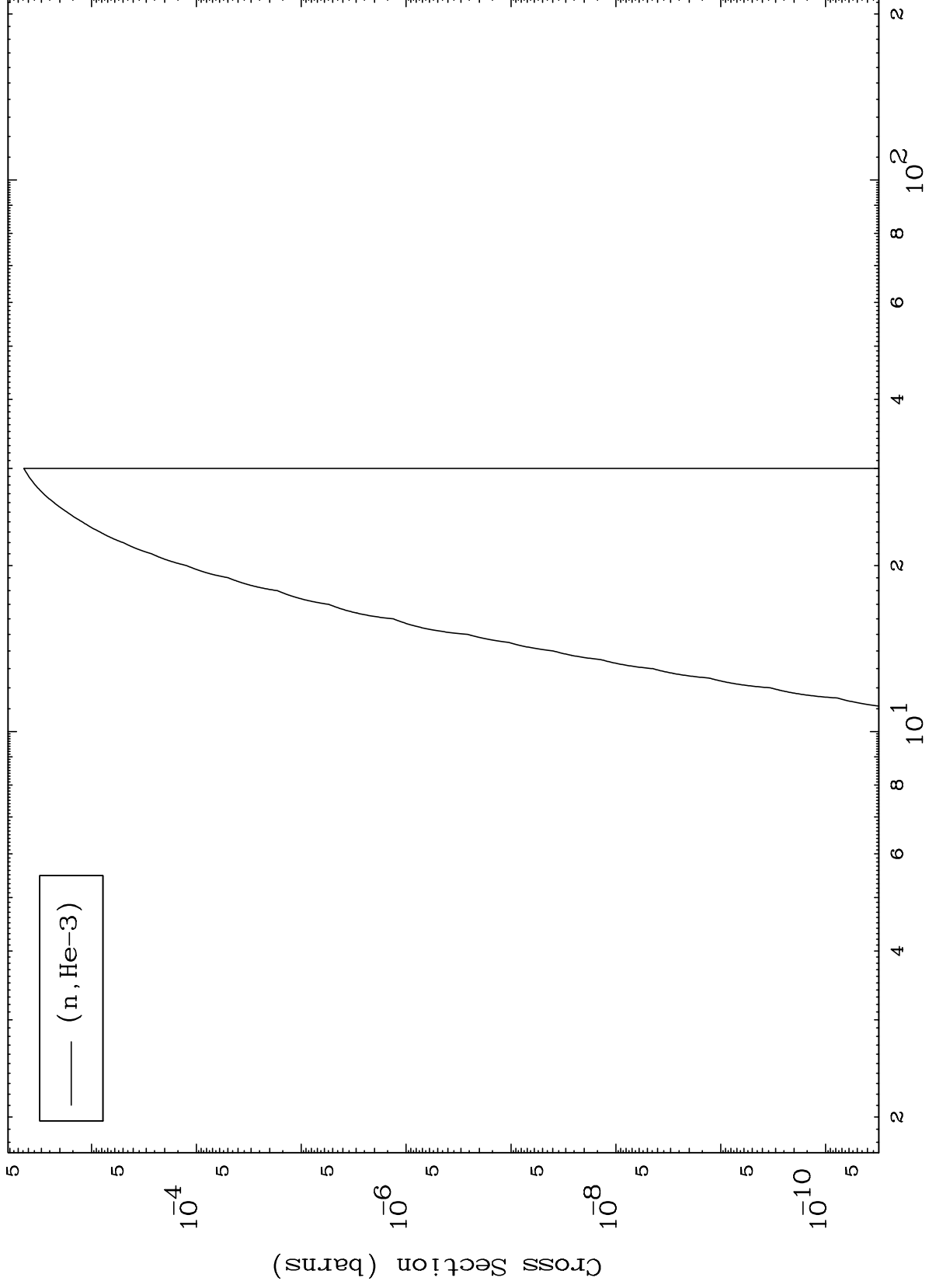
Incident Energy (MeV)

60-Nd-137

MAT 6010

(n,He3) Levels
293 Kelvin Cross Sections

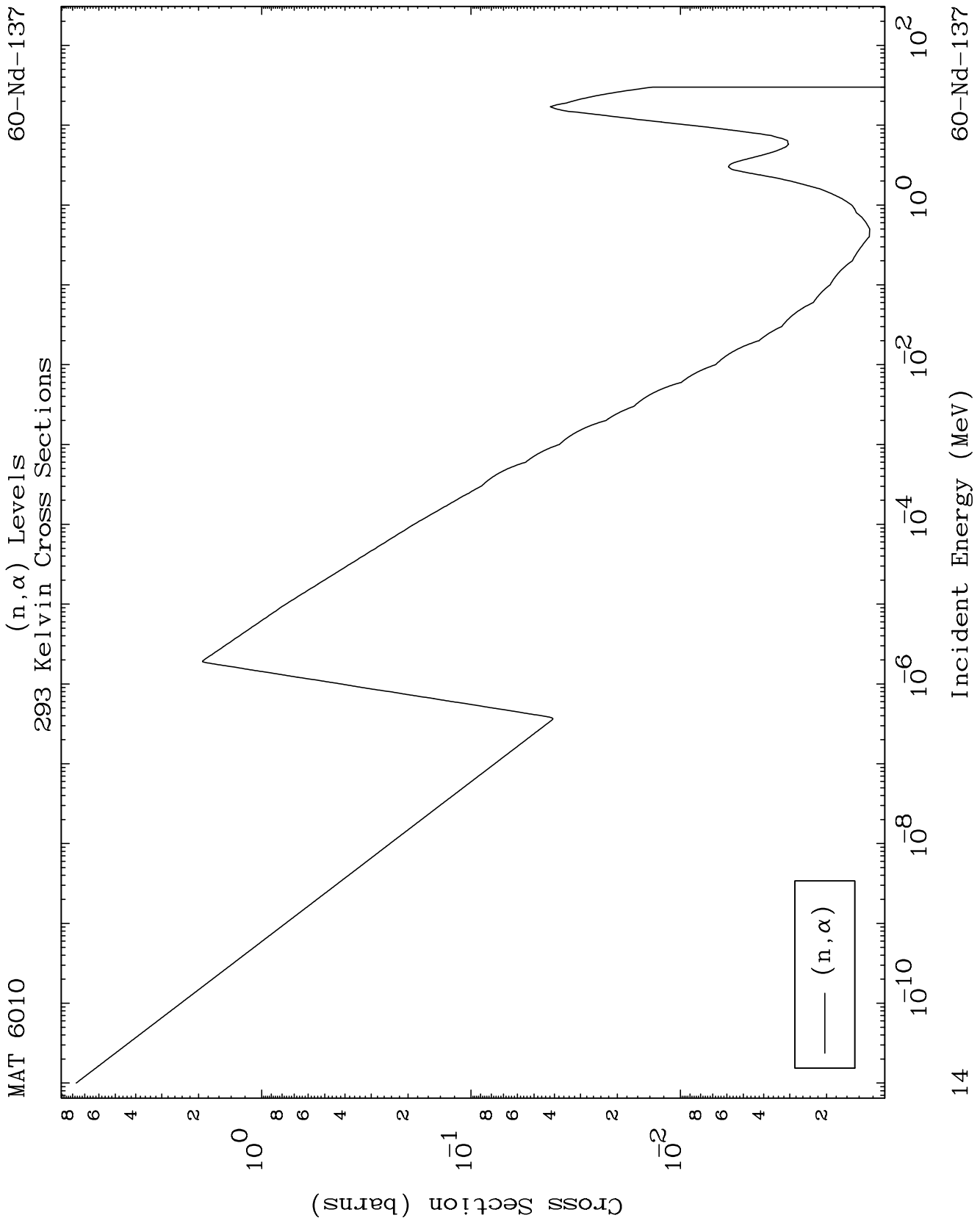
60-Nd-137

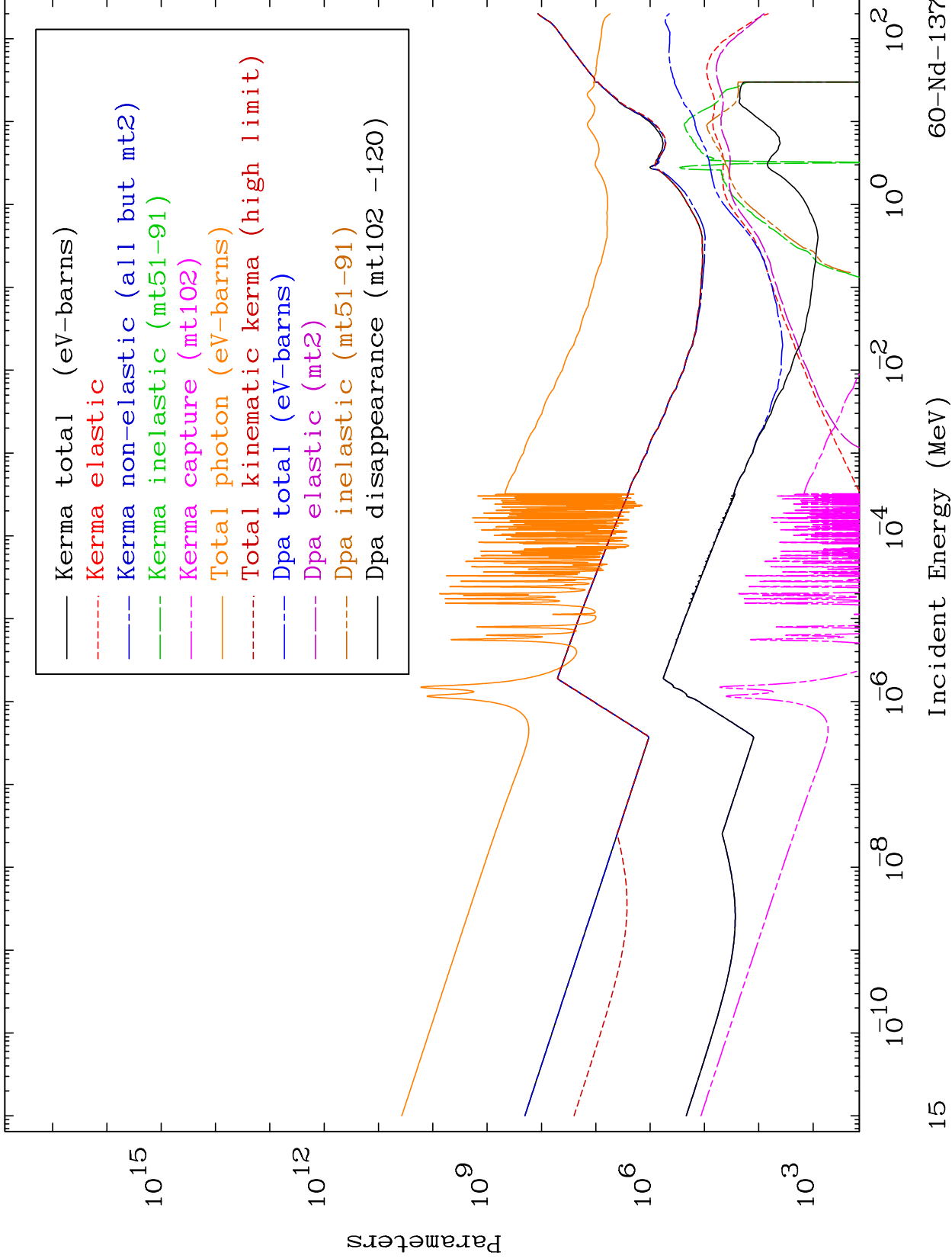


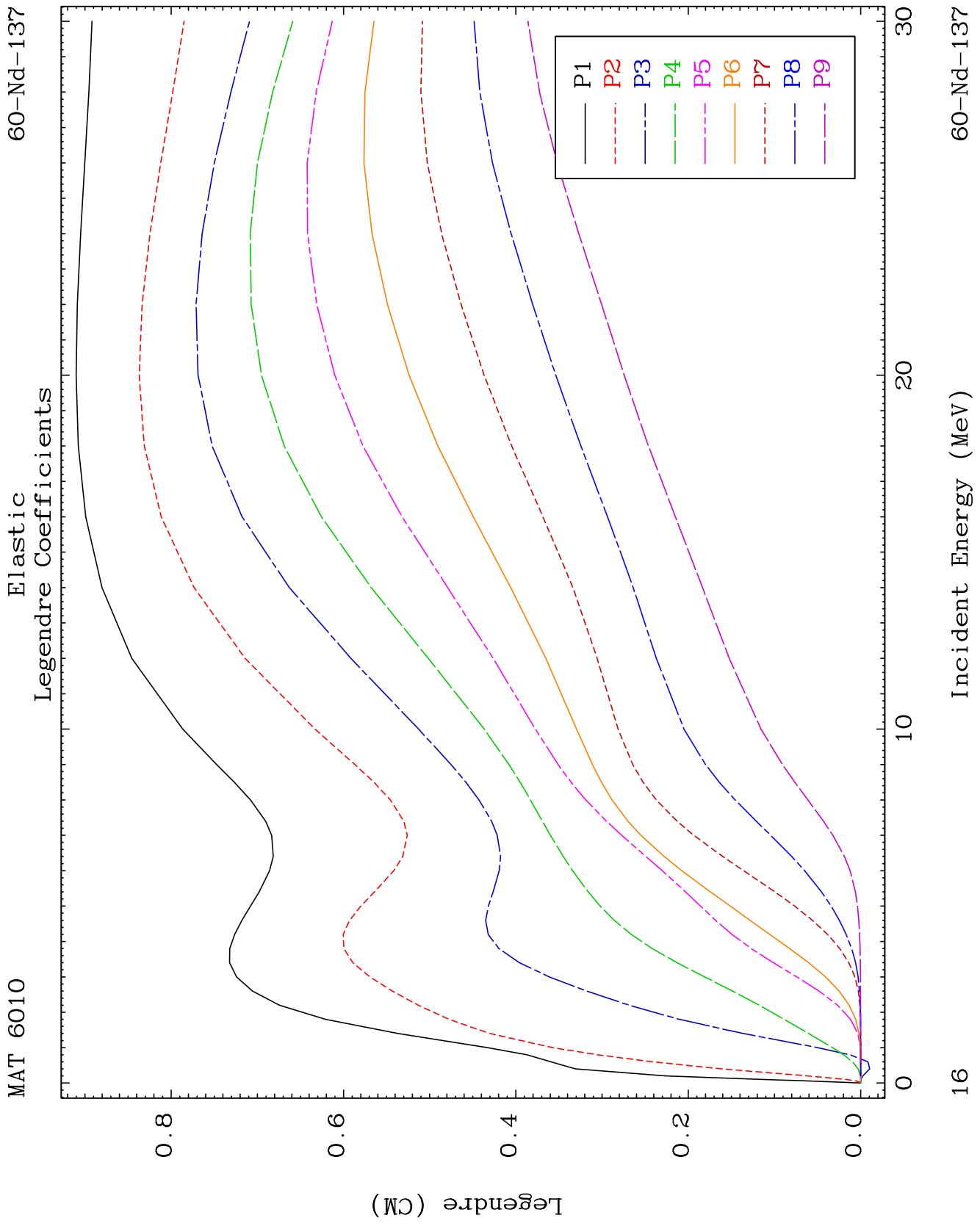
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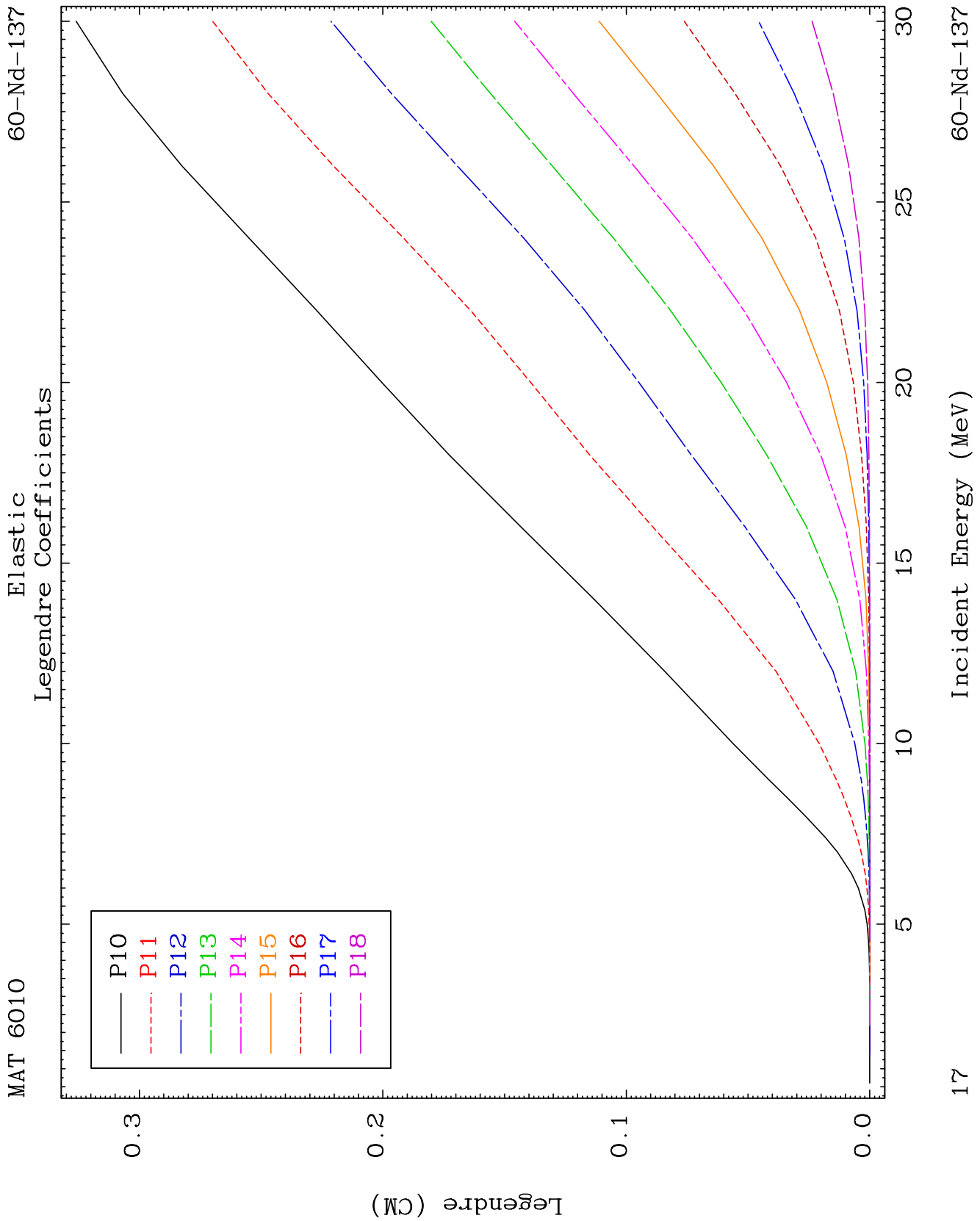
Incident Energy (MeV)

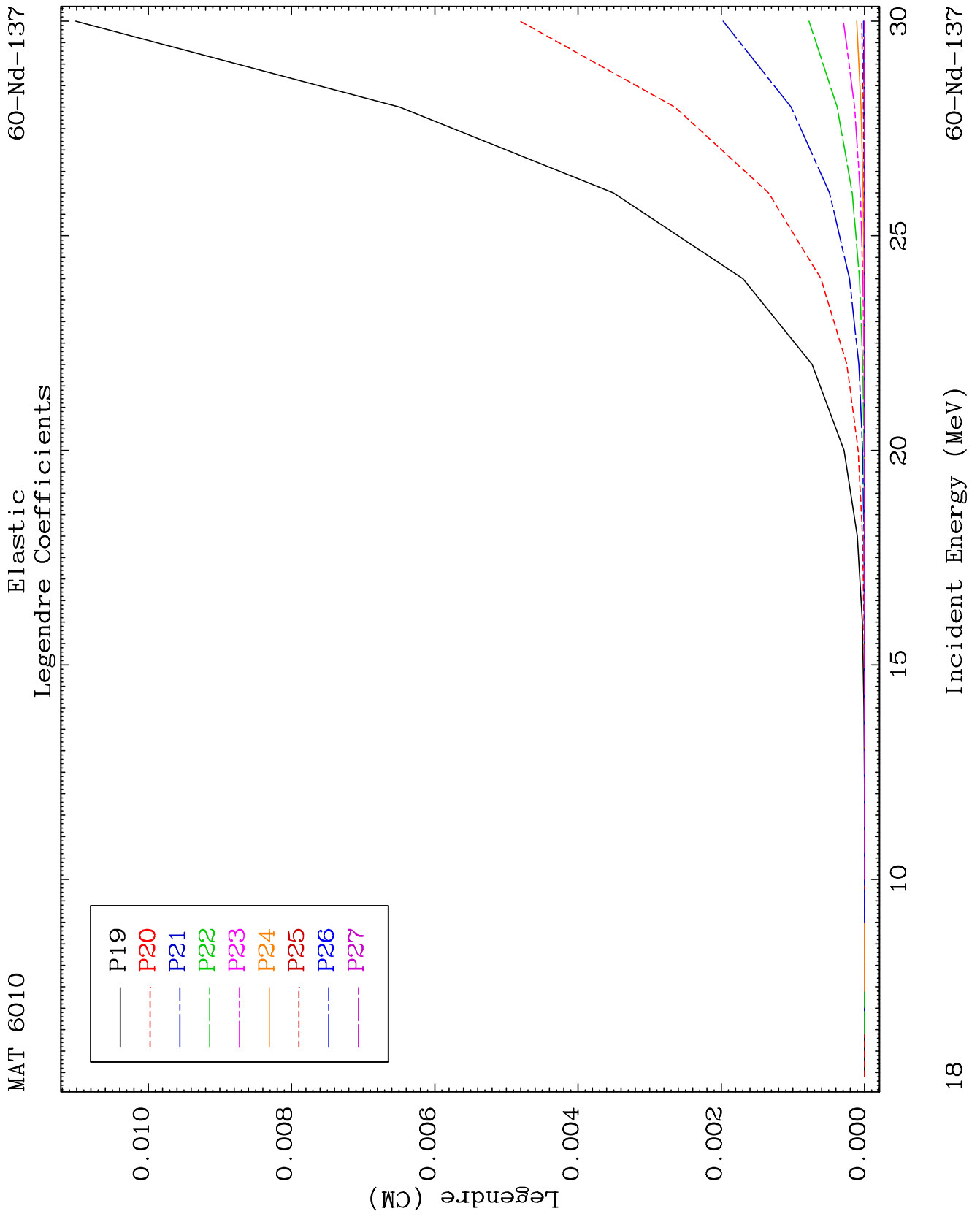
60-Nd-137

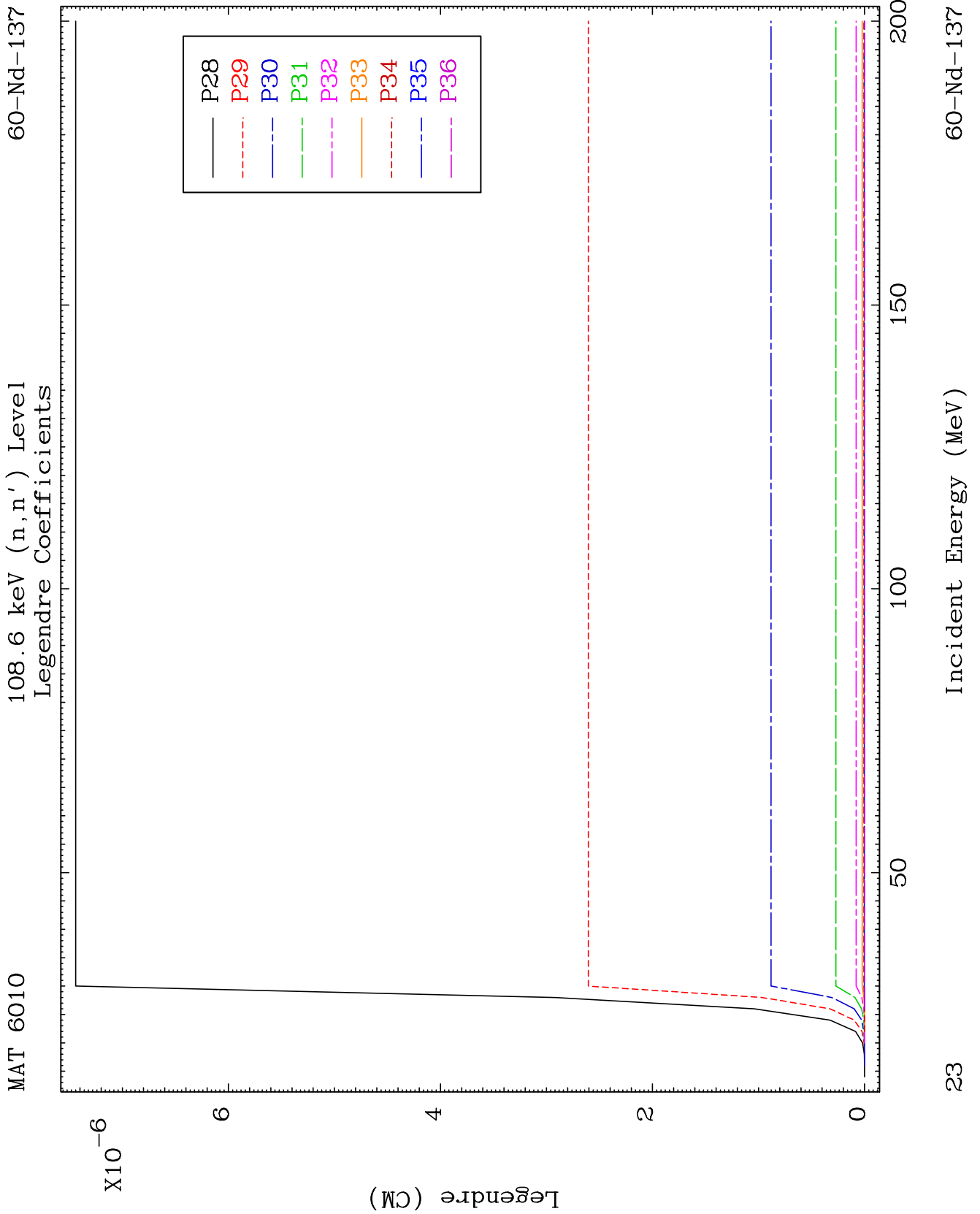








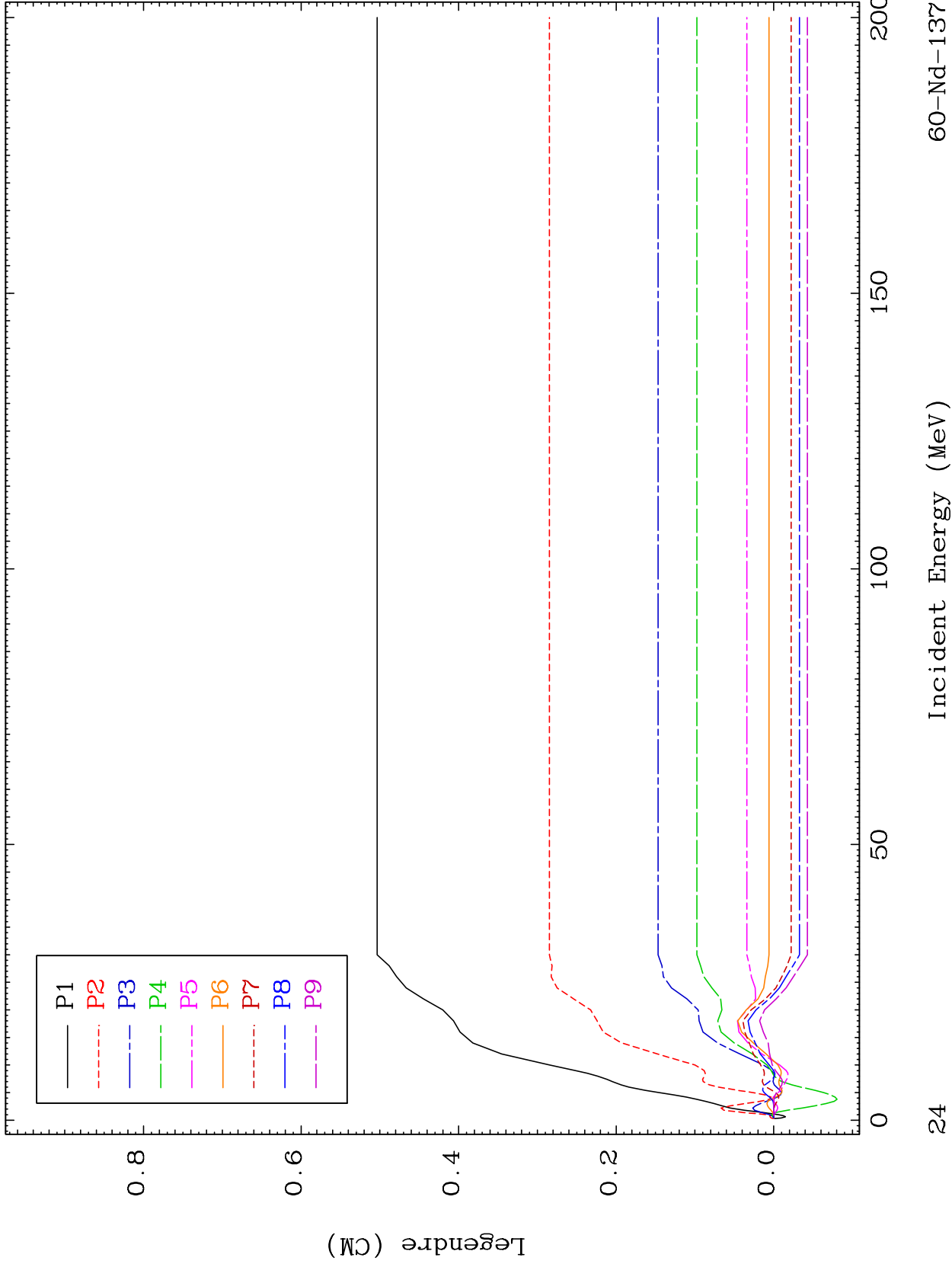




MAT 6010

268.9 keV (n,n') Level
Legendre Coefficients

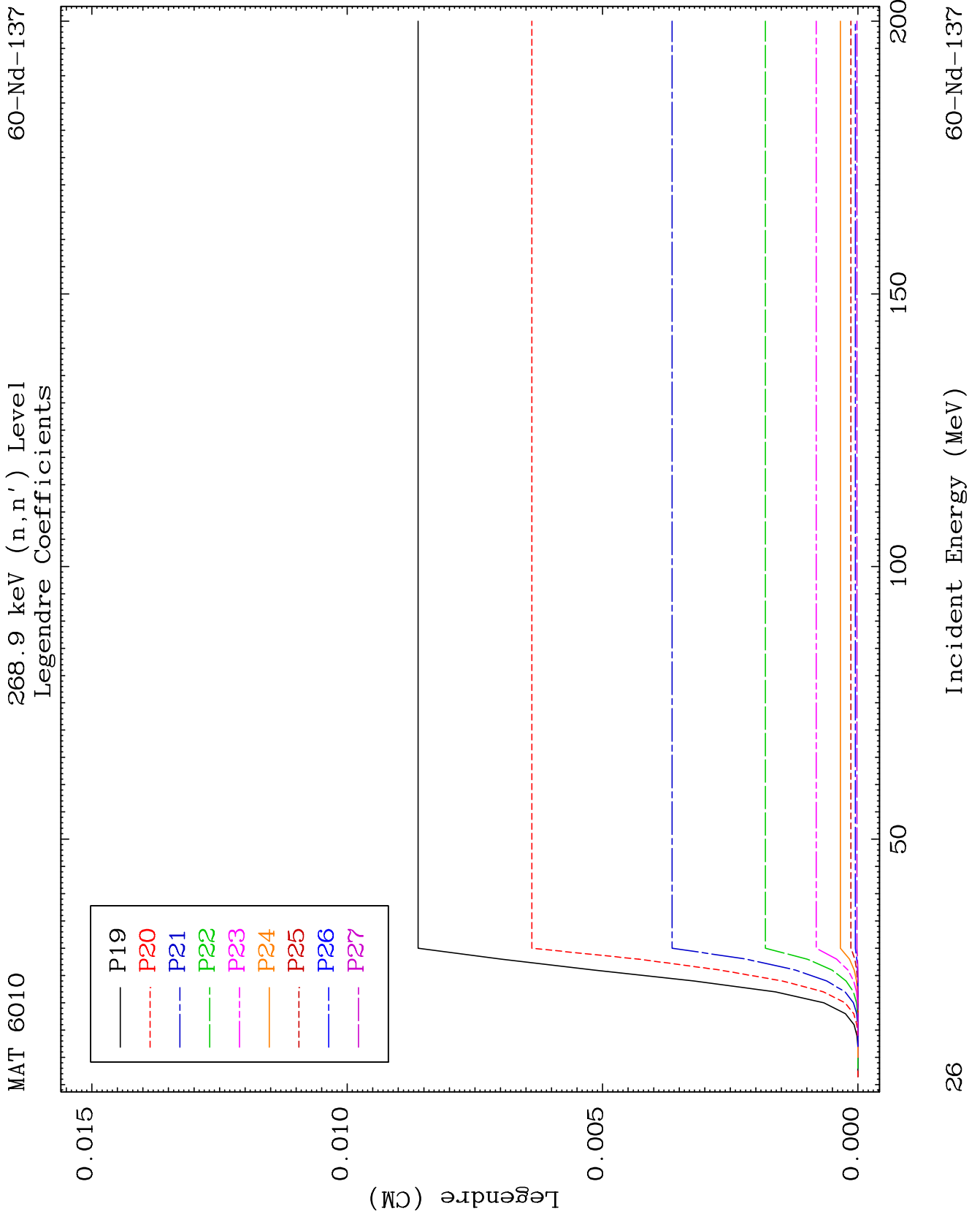
60-Nd-137

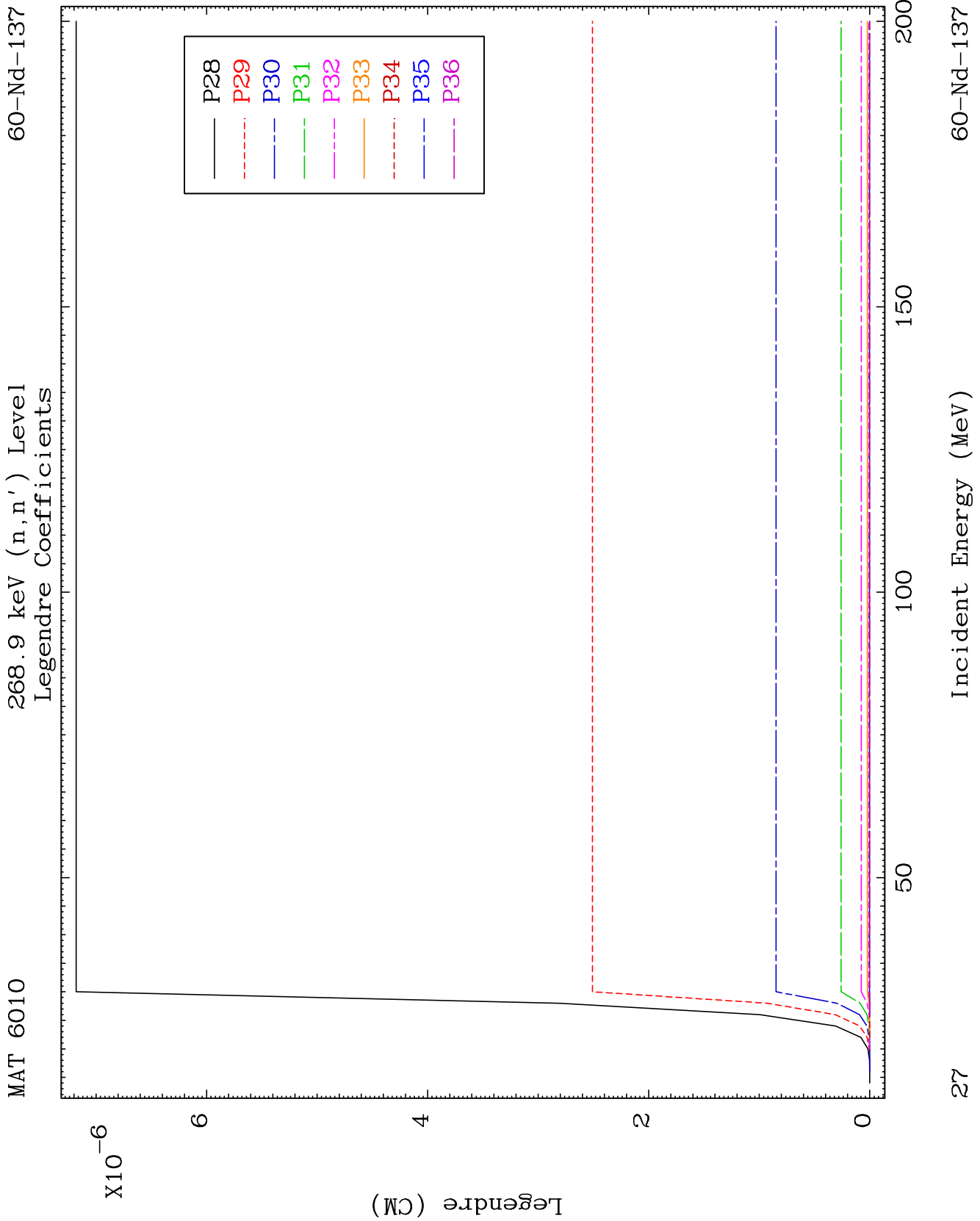


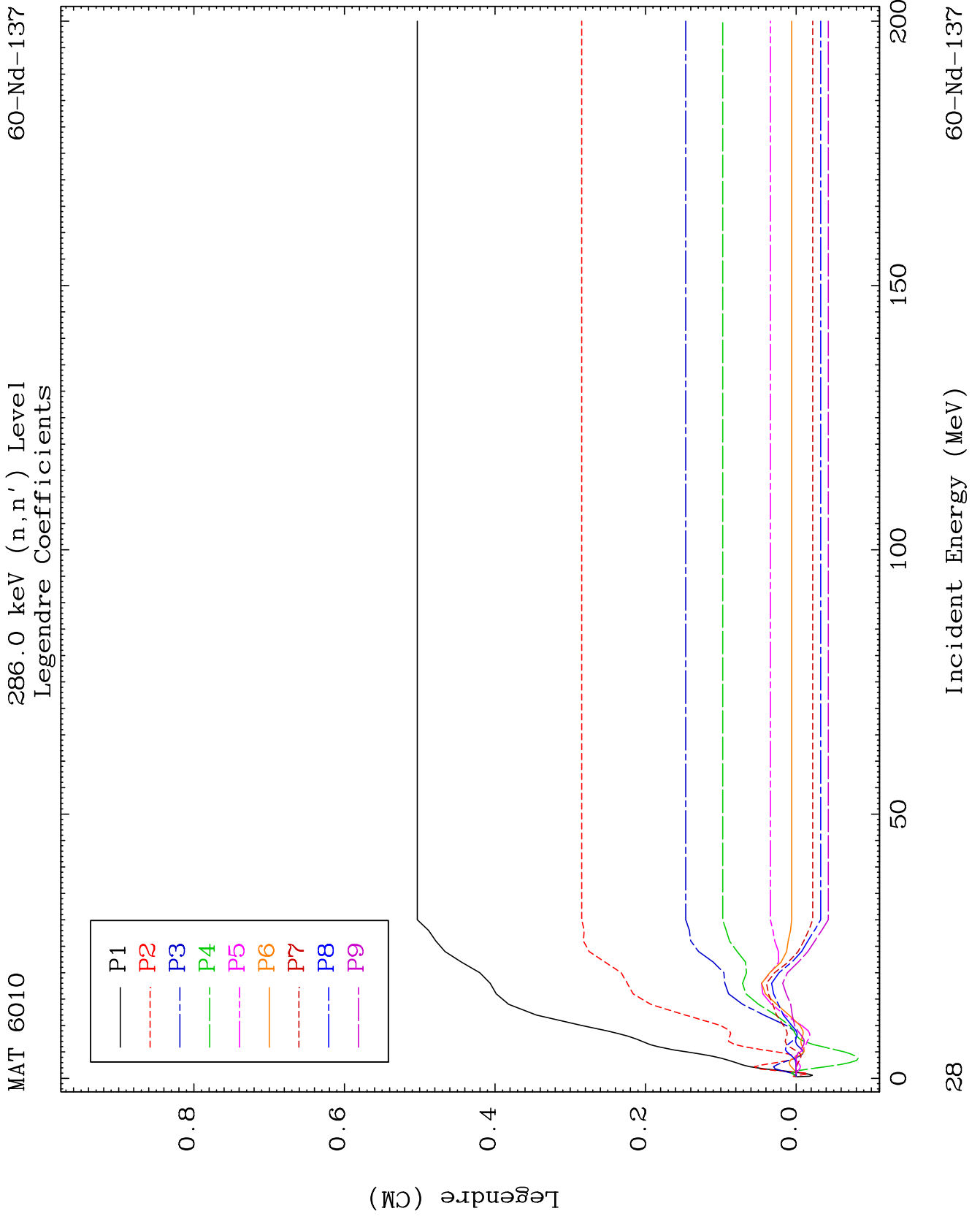
24

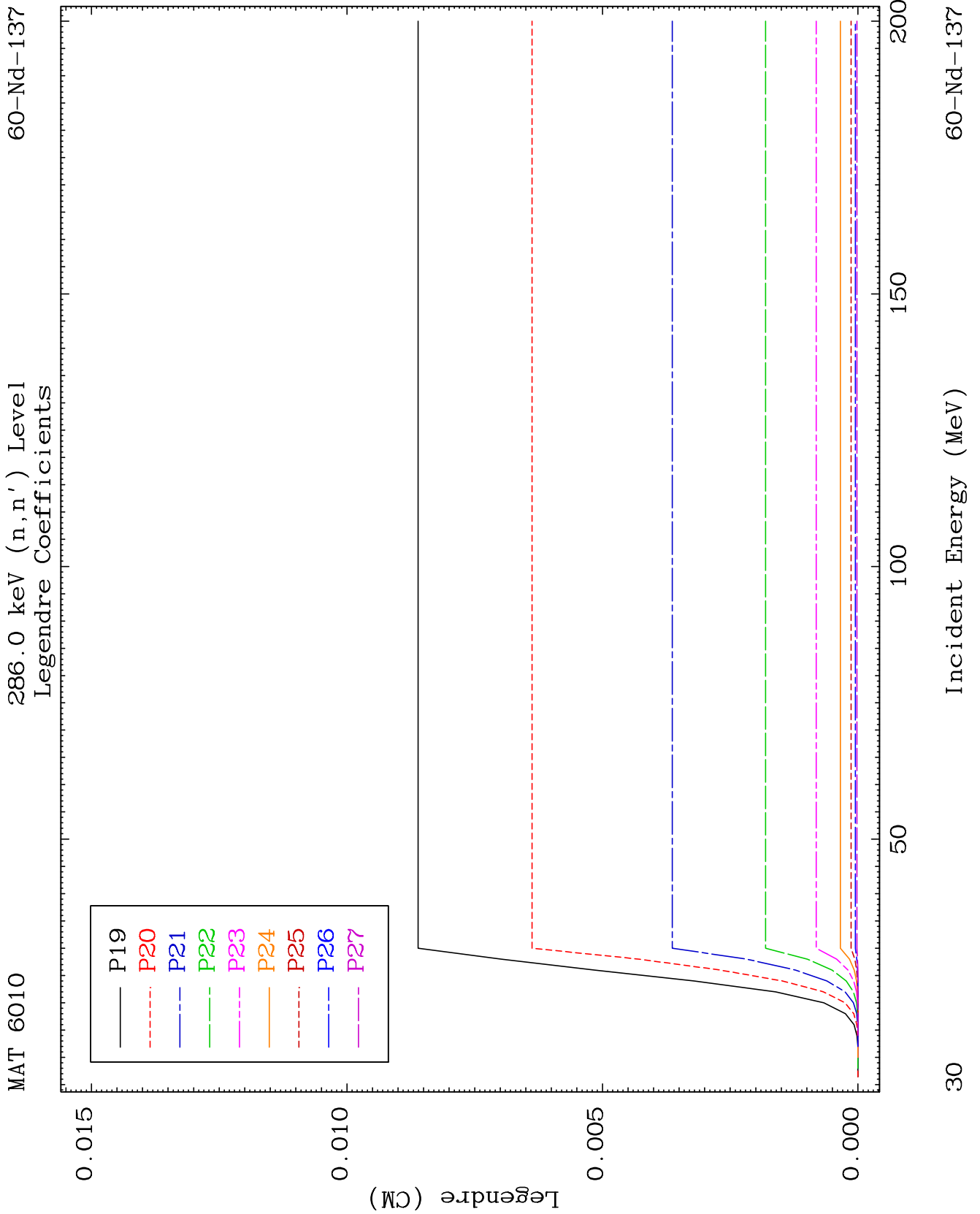
Incident Energy (MeV)

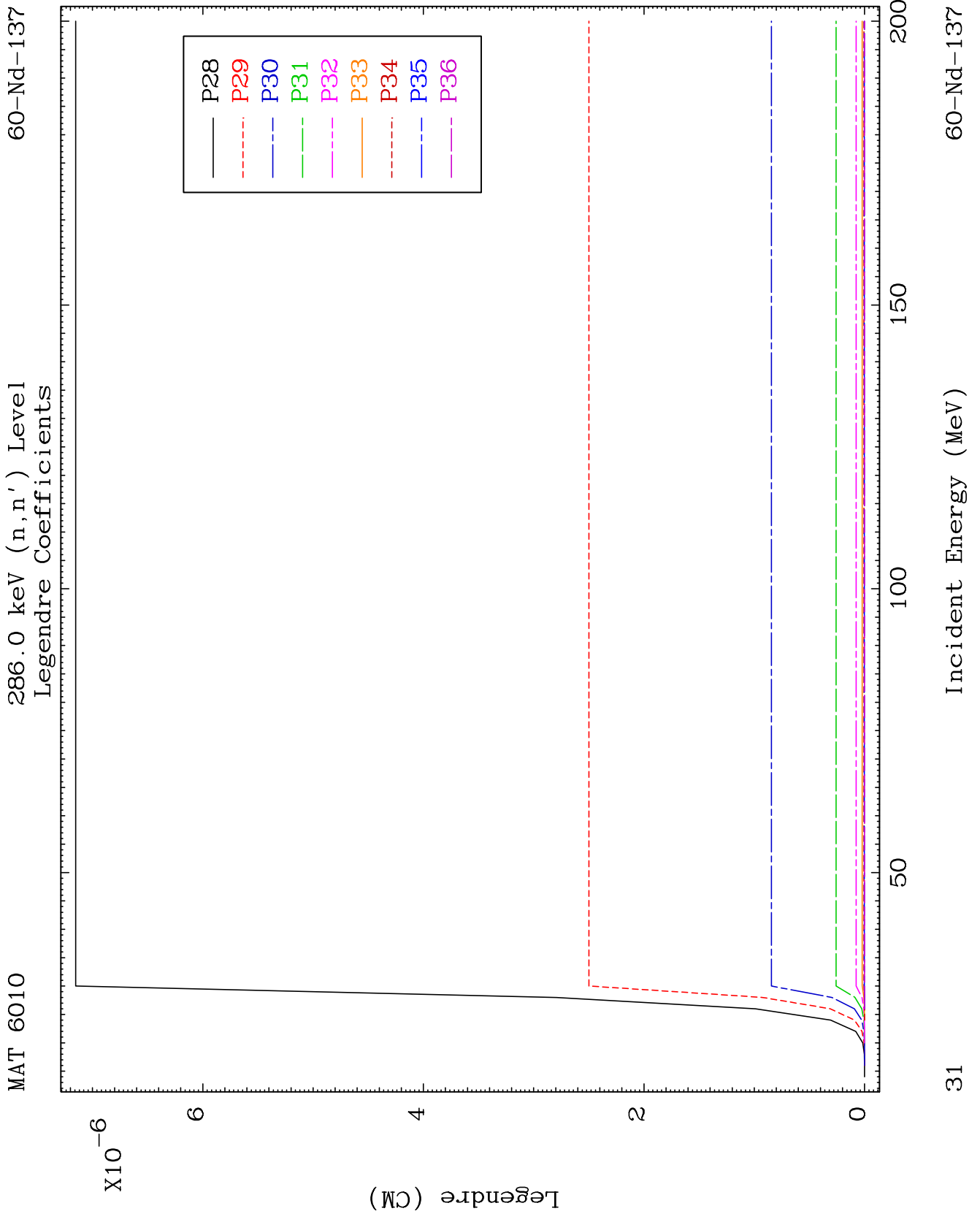
60-Nd-137

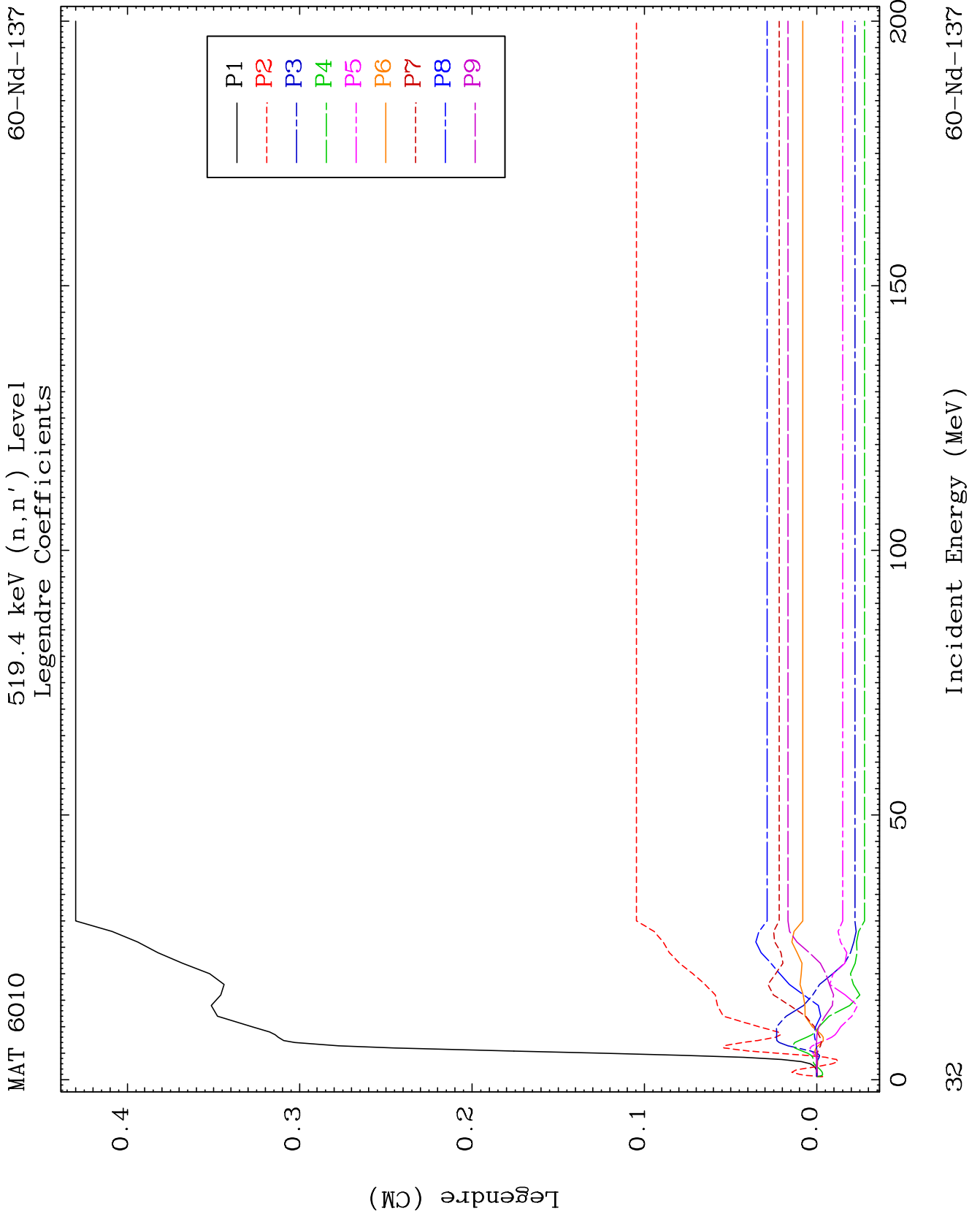


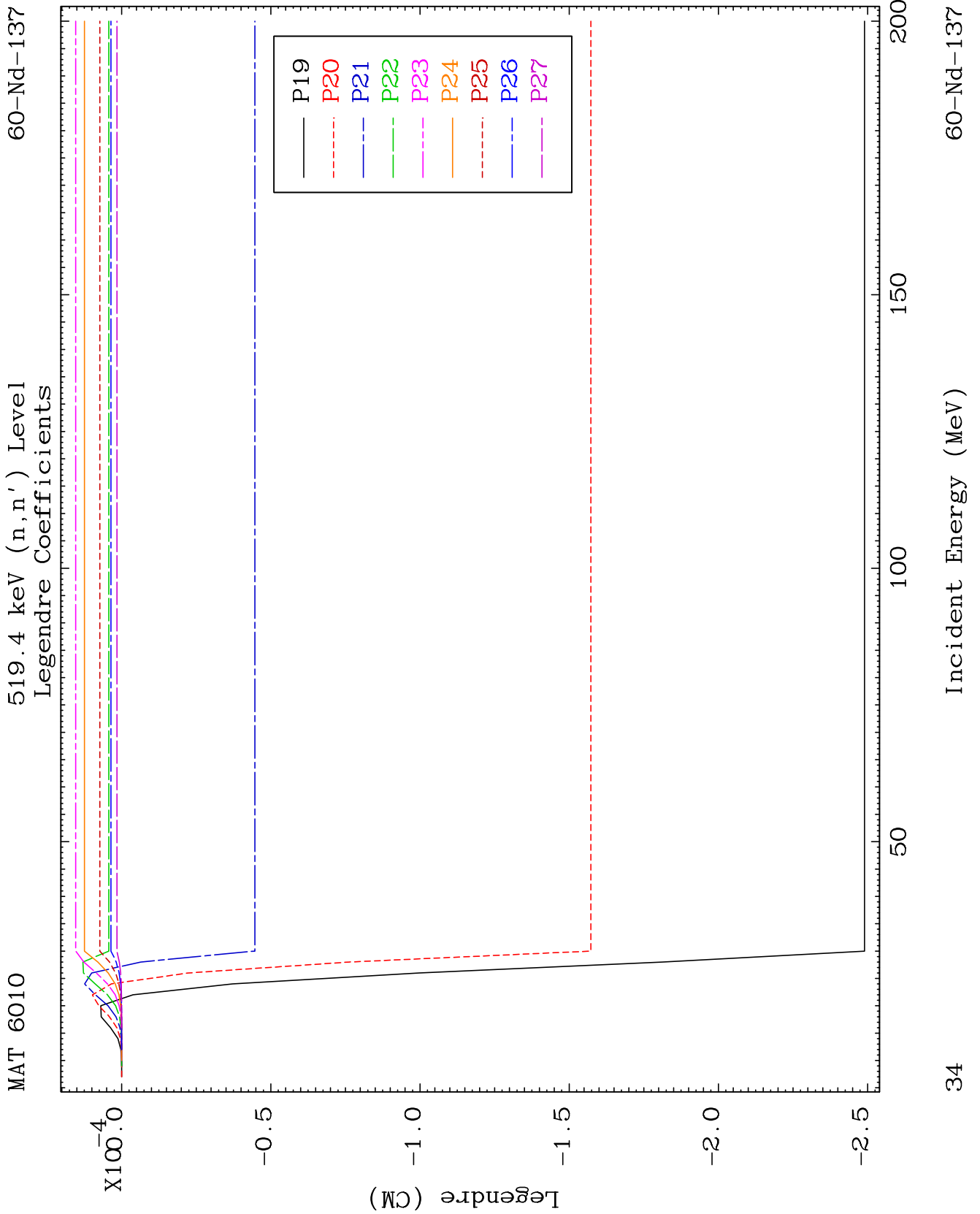


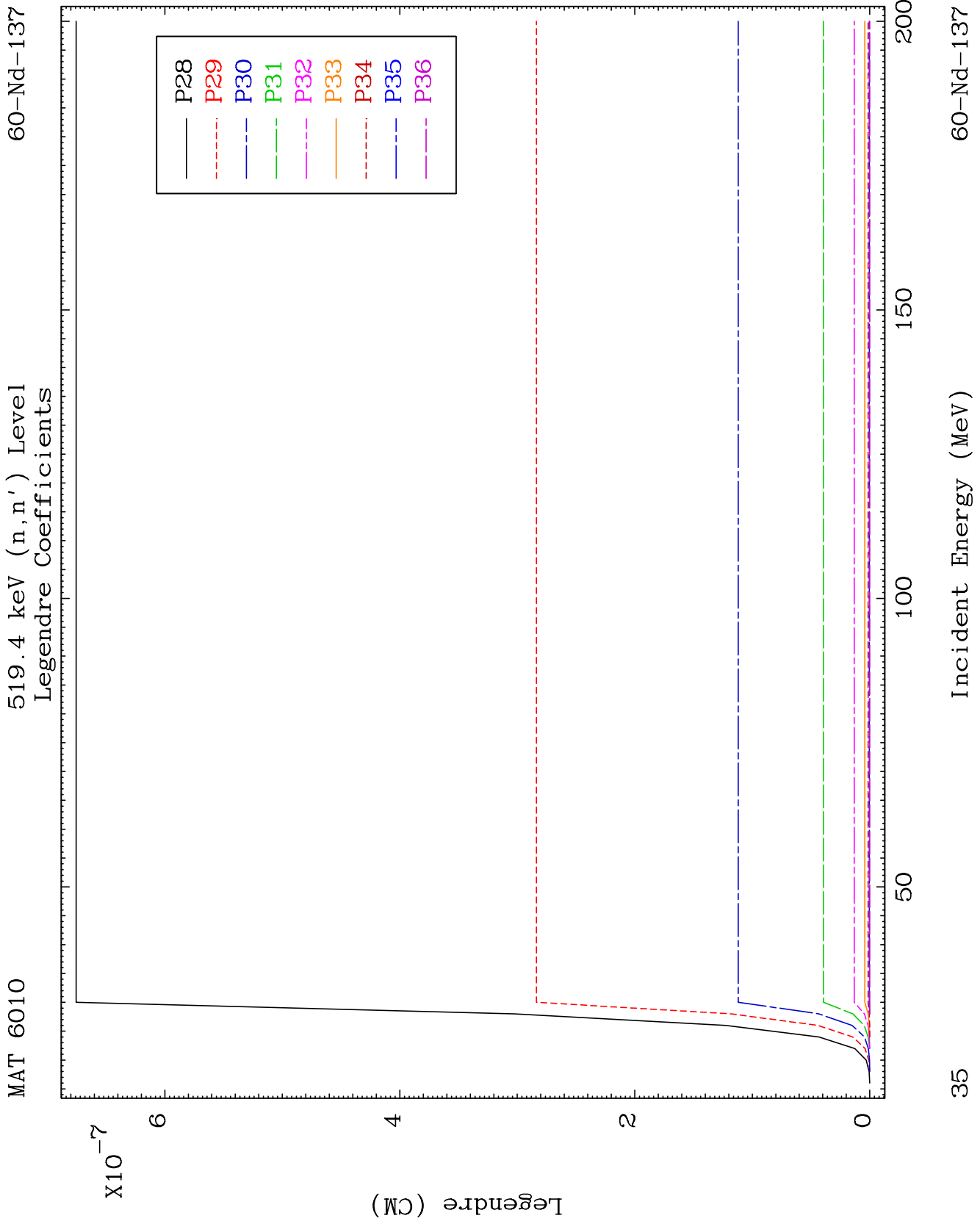


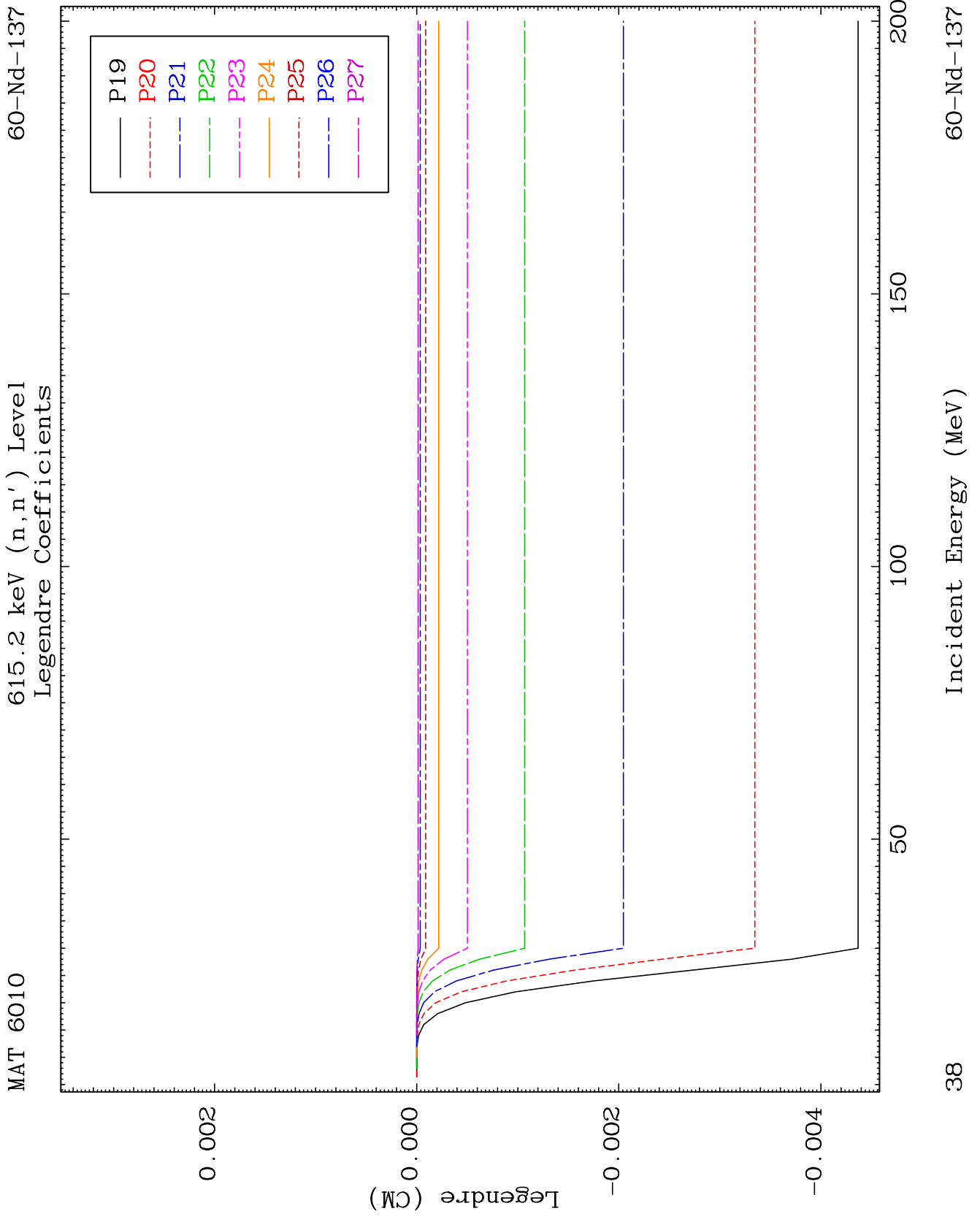


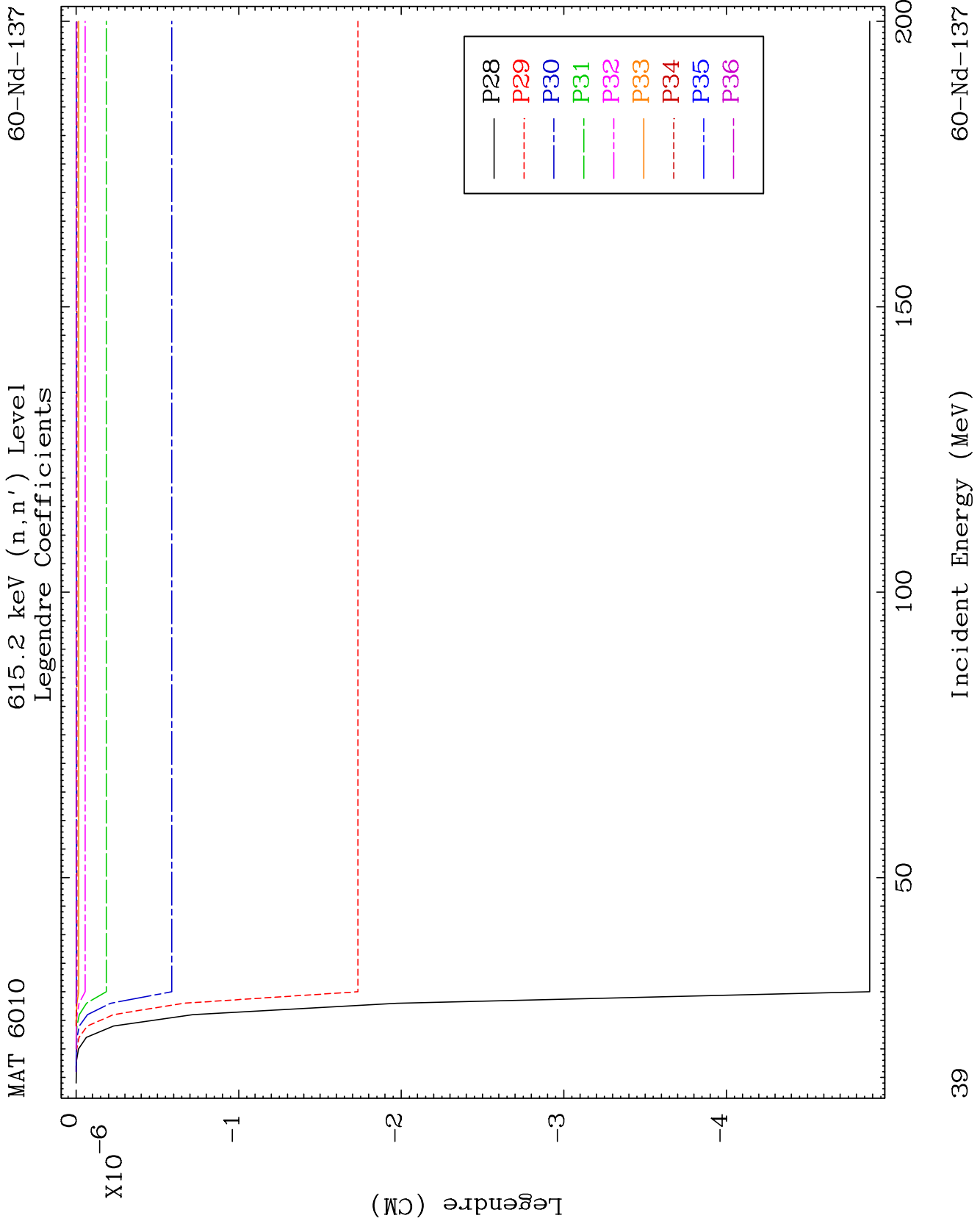


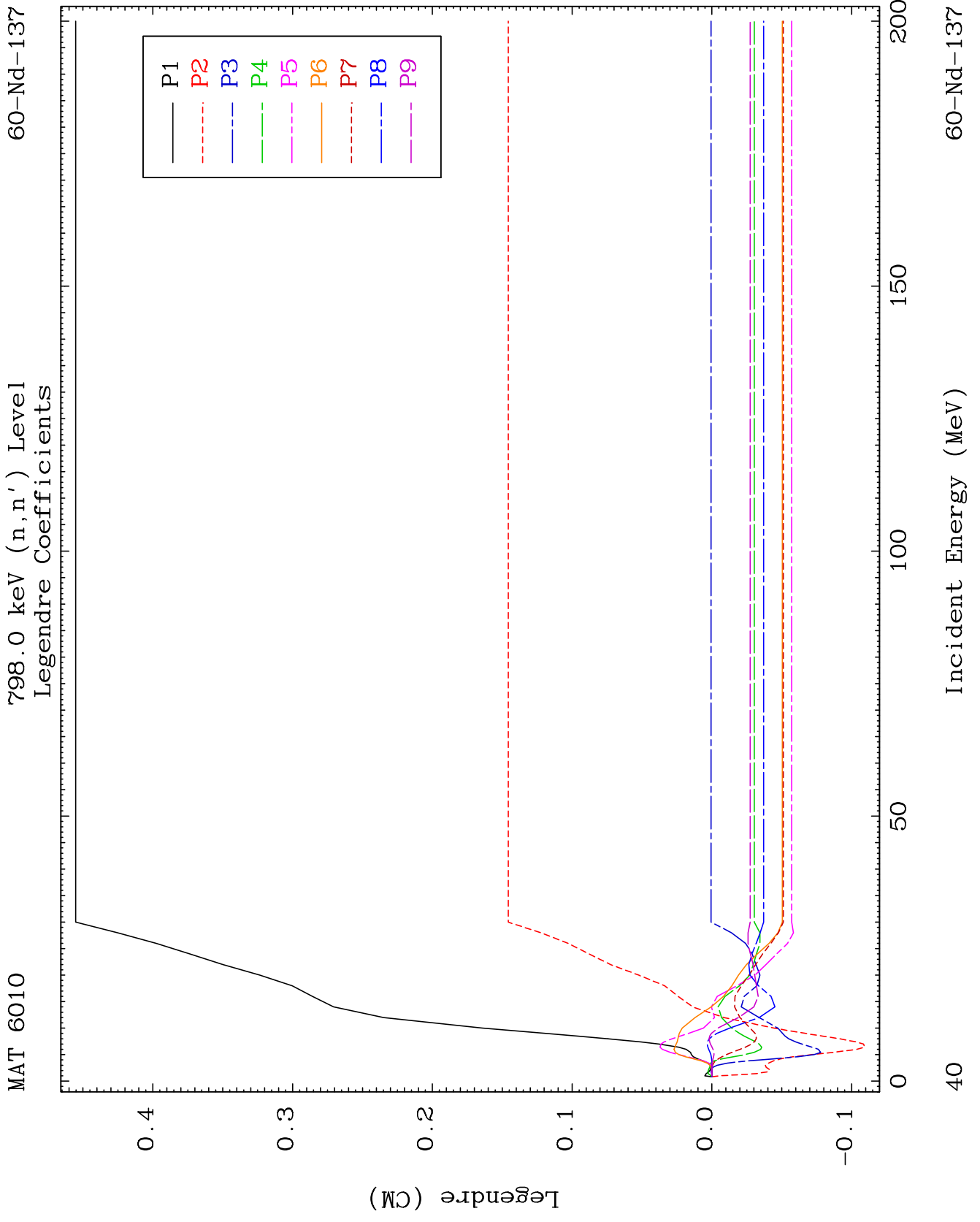


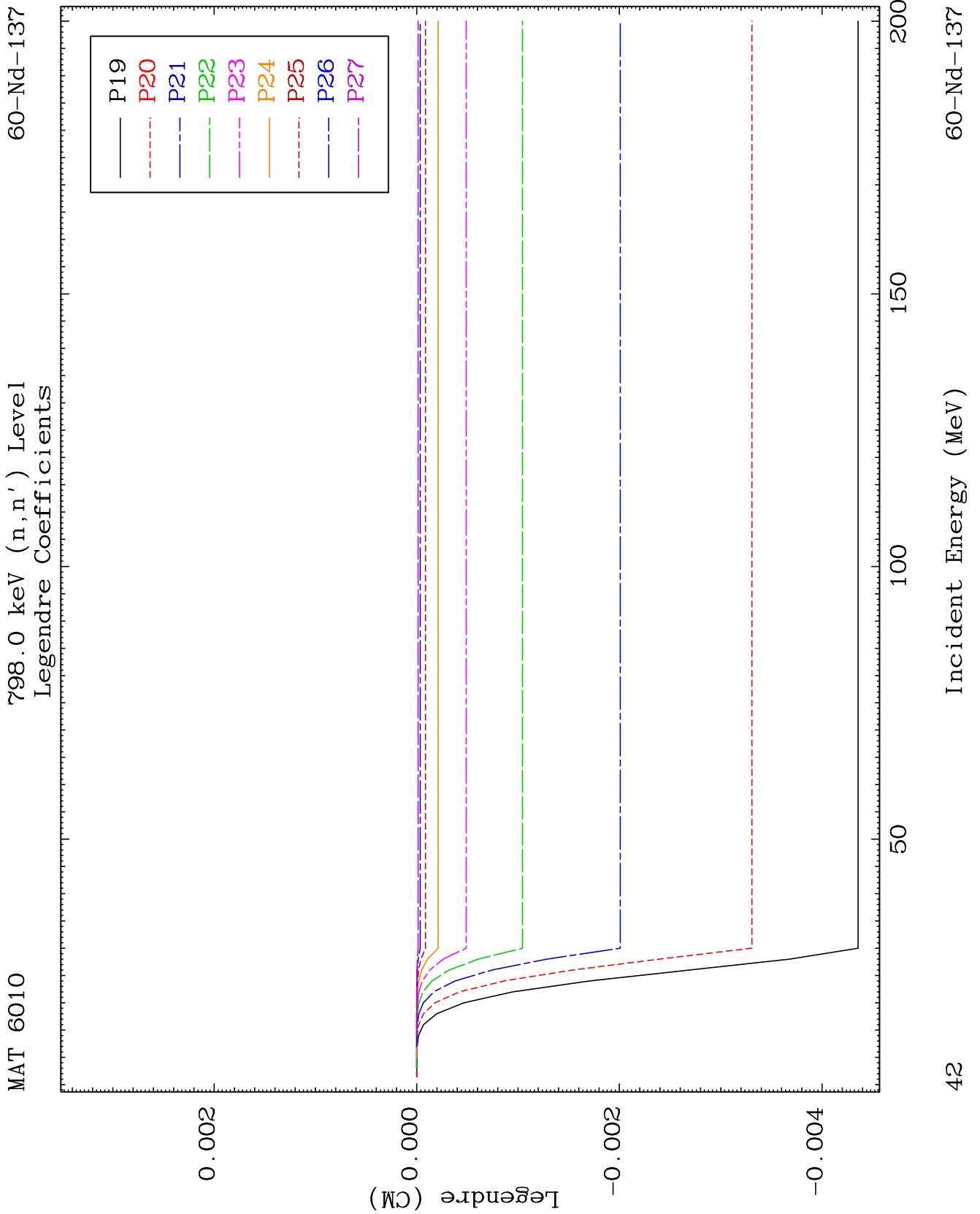


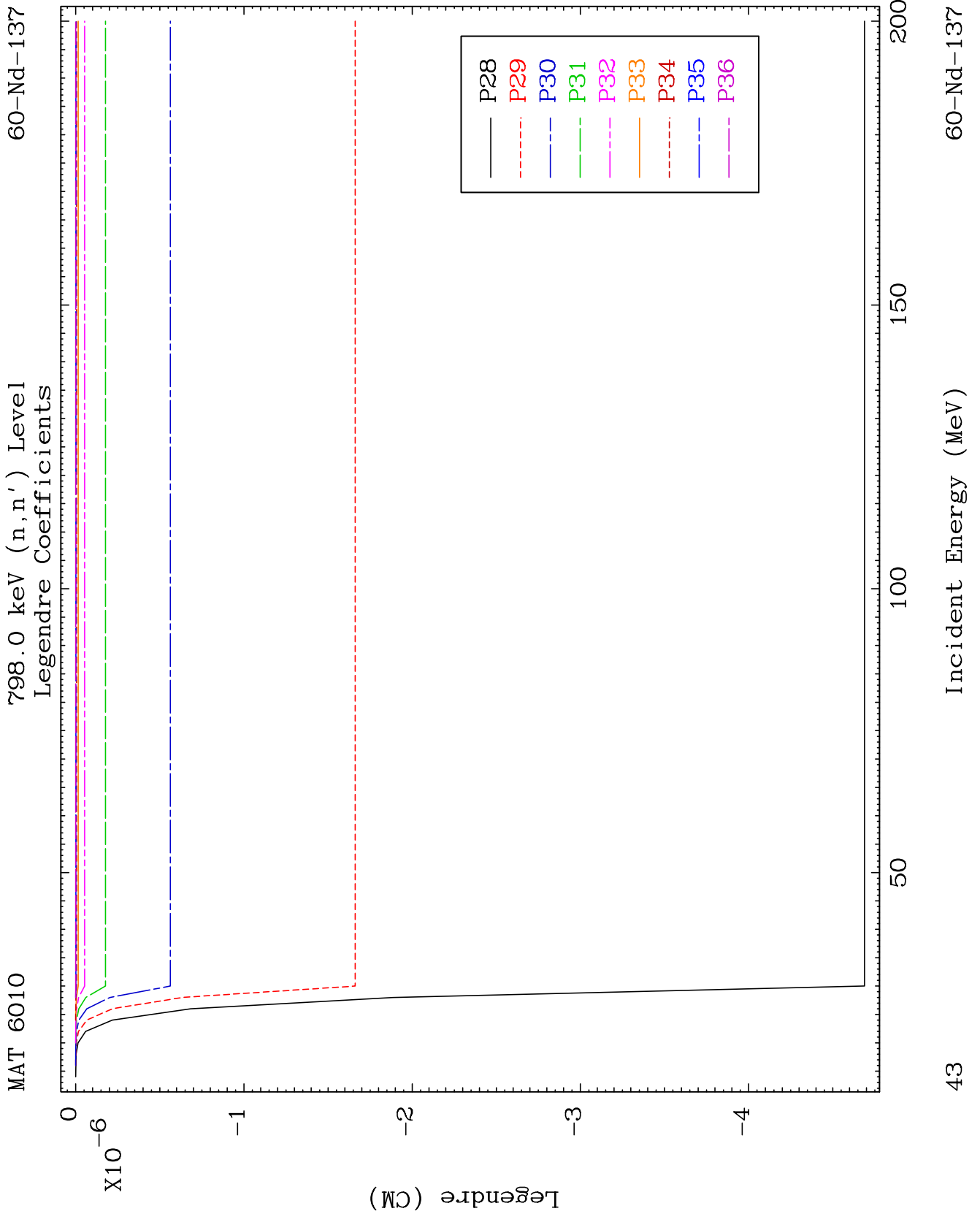


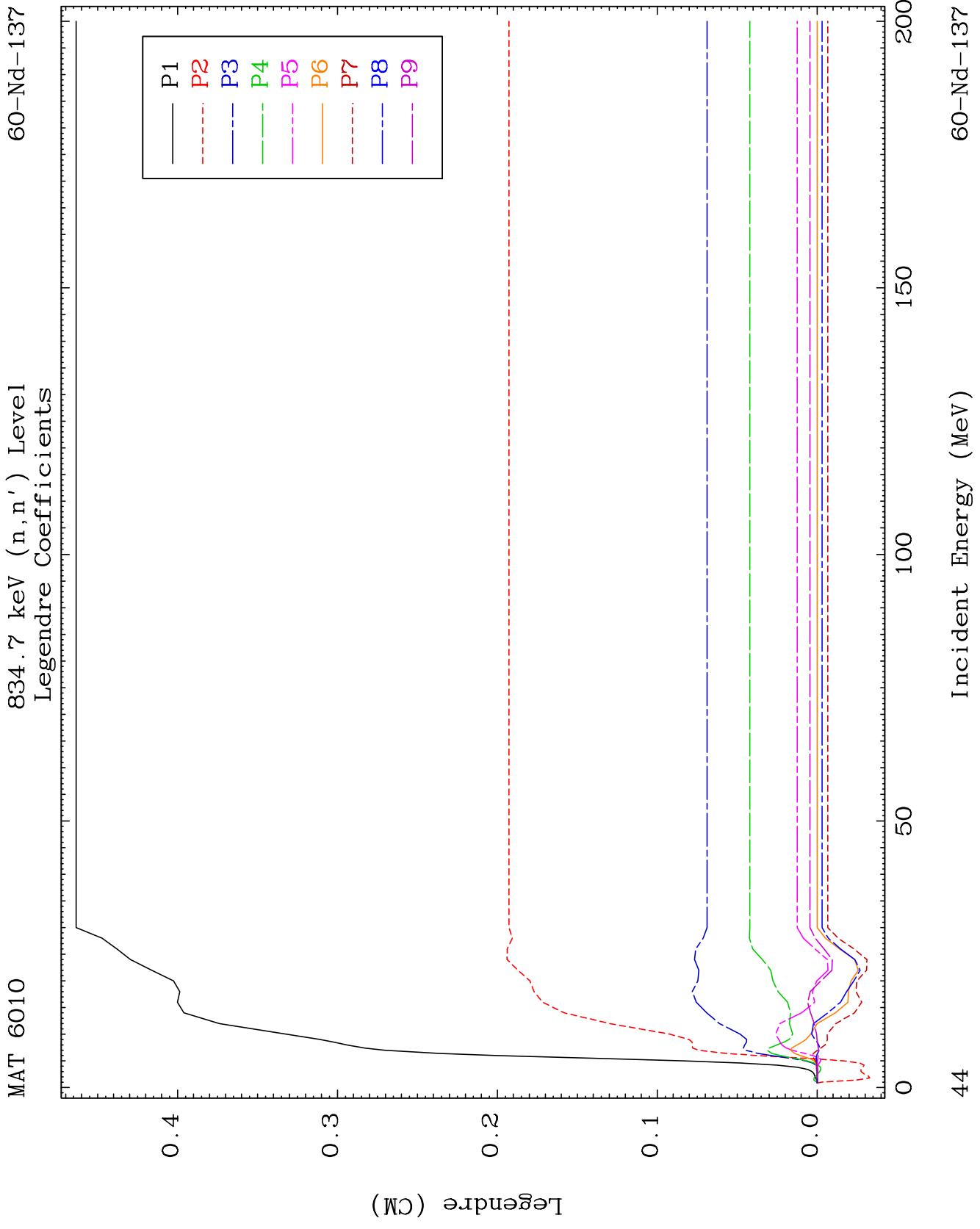








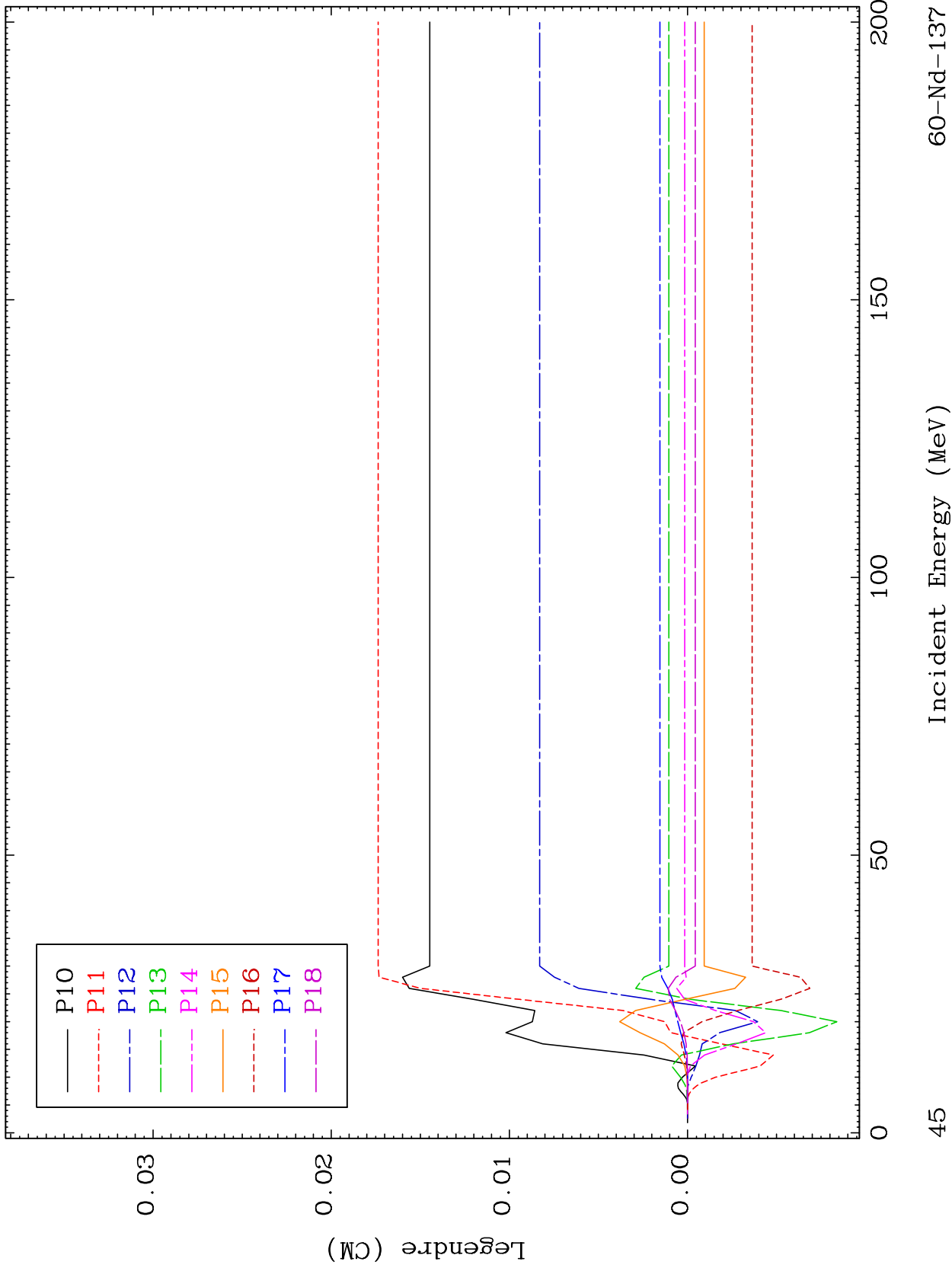




MAT 6010

834.7 keV (n, n') Level
Legendre Coefficients

60-Nd-137



60-Nd-137

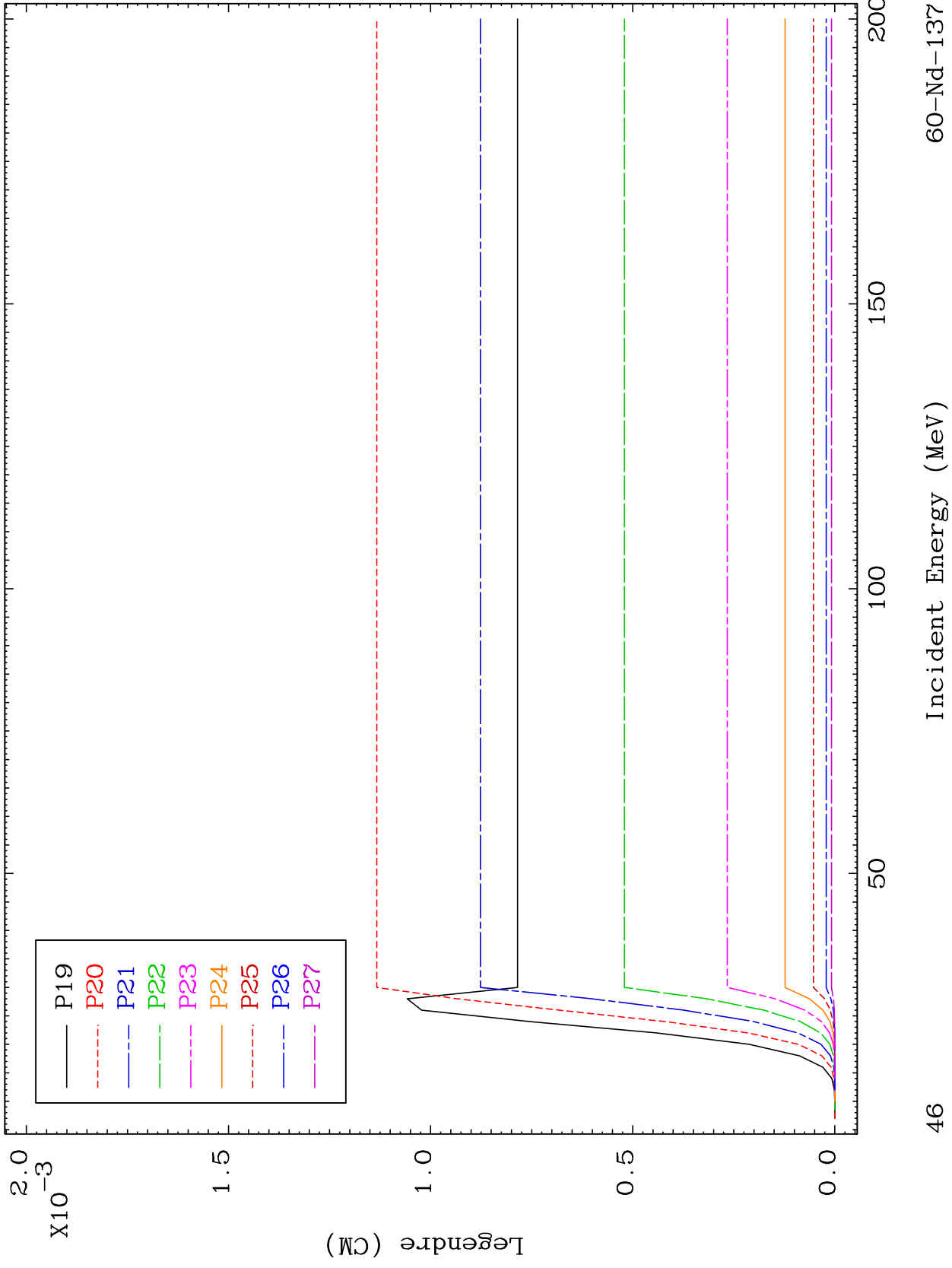
Incident Energy (MeV)

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MAT 6010

834.7 keV (n, n') Level
Legendre Coefficients

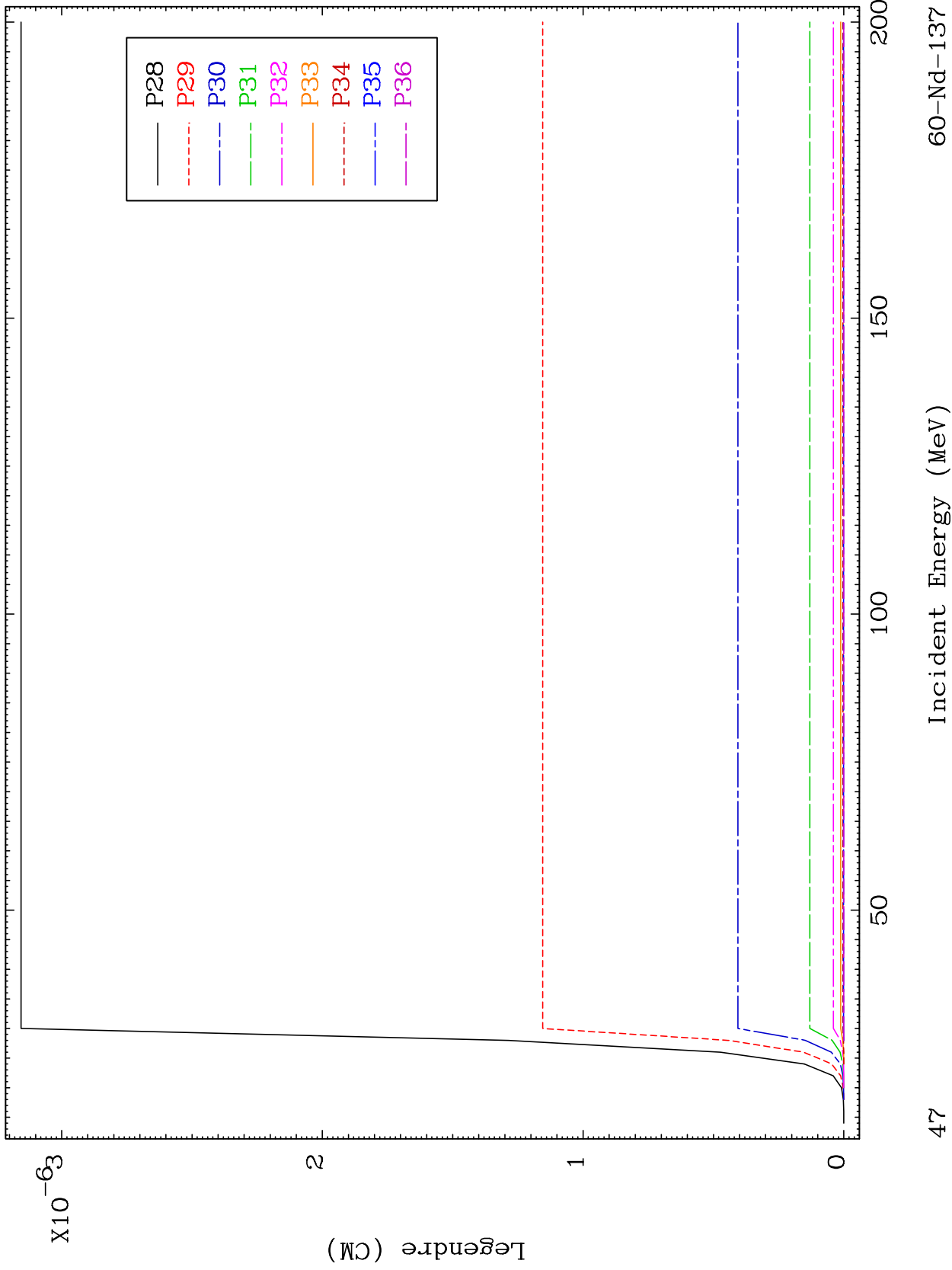
60-Nd-137



MAT 6010

834.7 keV (n,n') Level
Legendre Coefficients

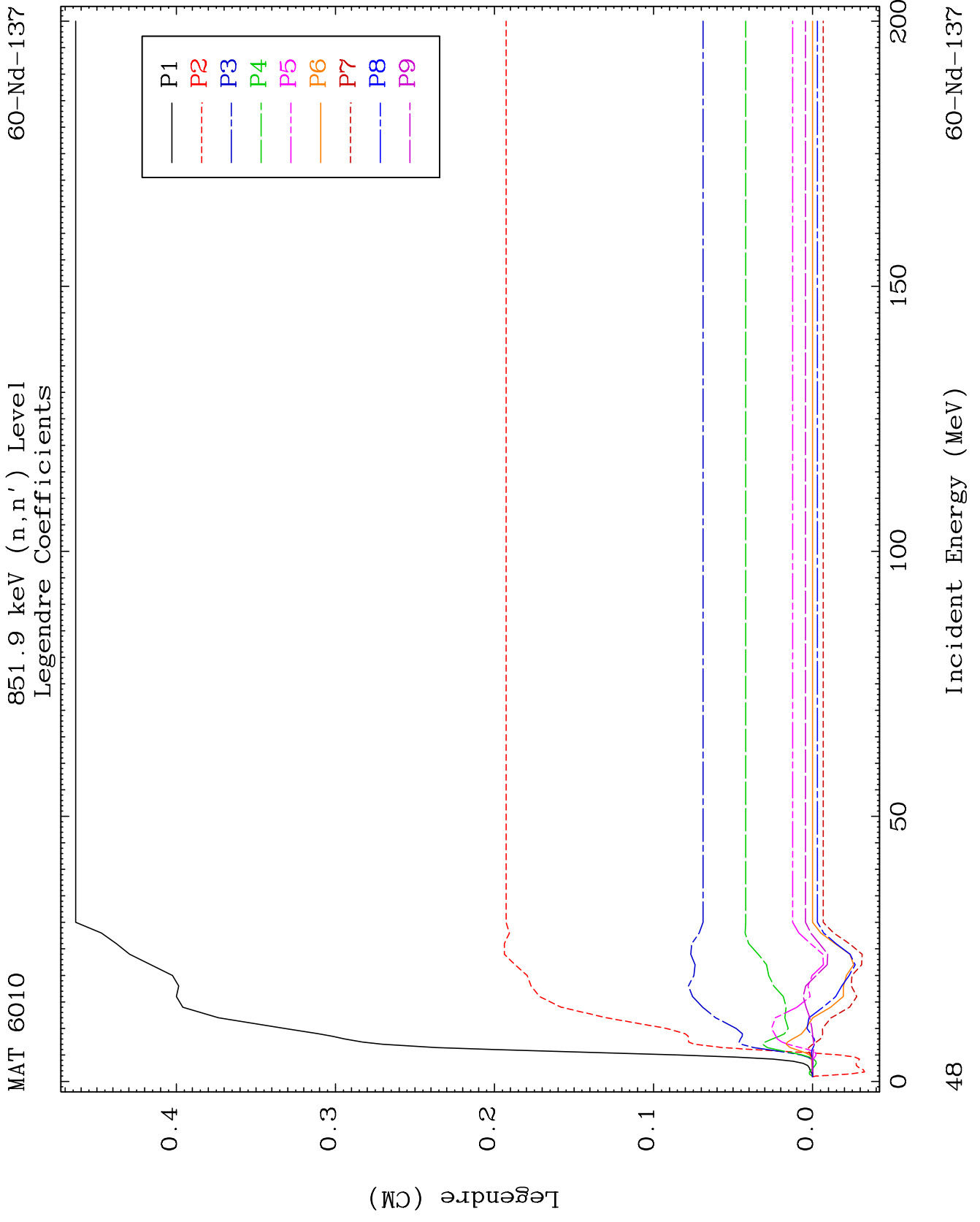
60-Nd-137



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Incident Energy (MeV)

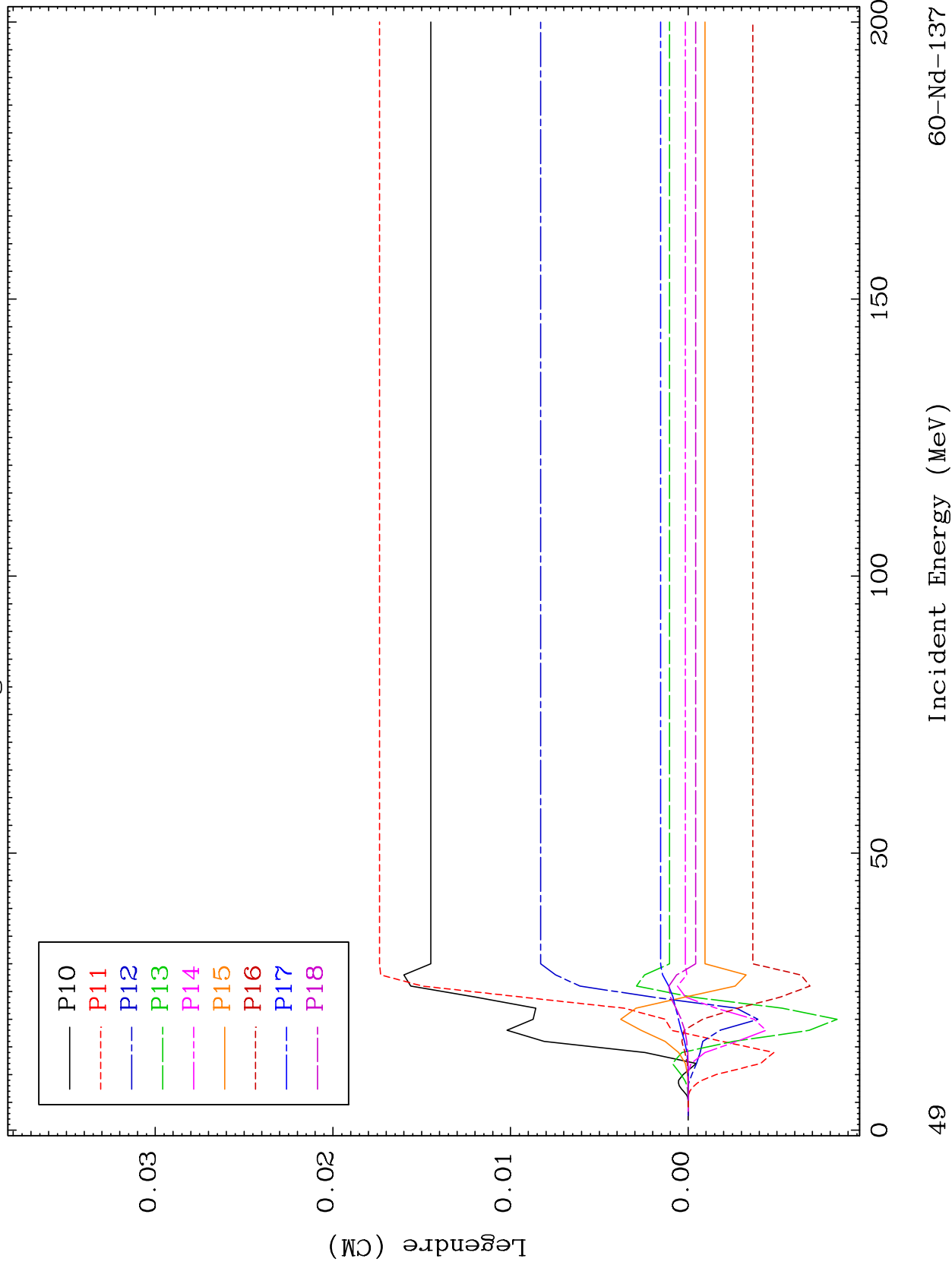
60-Nd-137



MAT 6010

851.9 keV (n, n') Level
Legendre Coefficients

60-Nd-137



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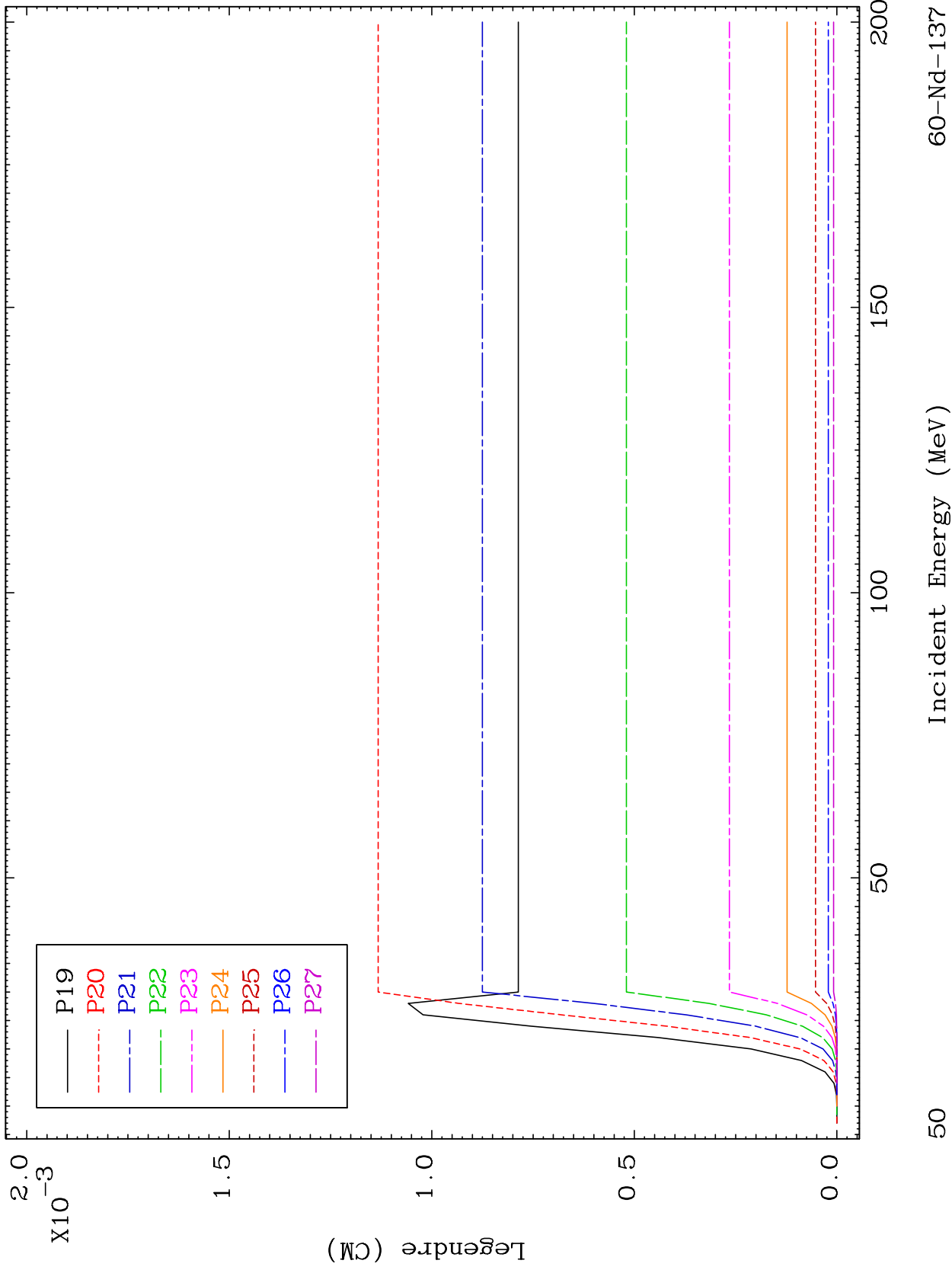
Incident Energy (MeV)

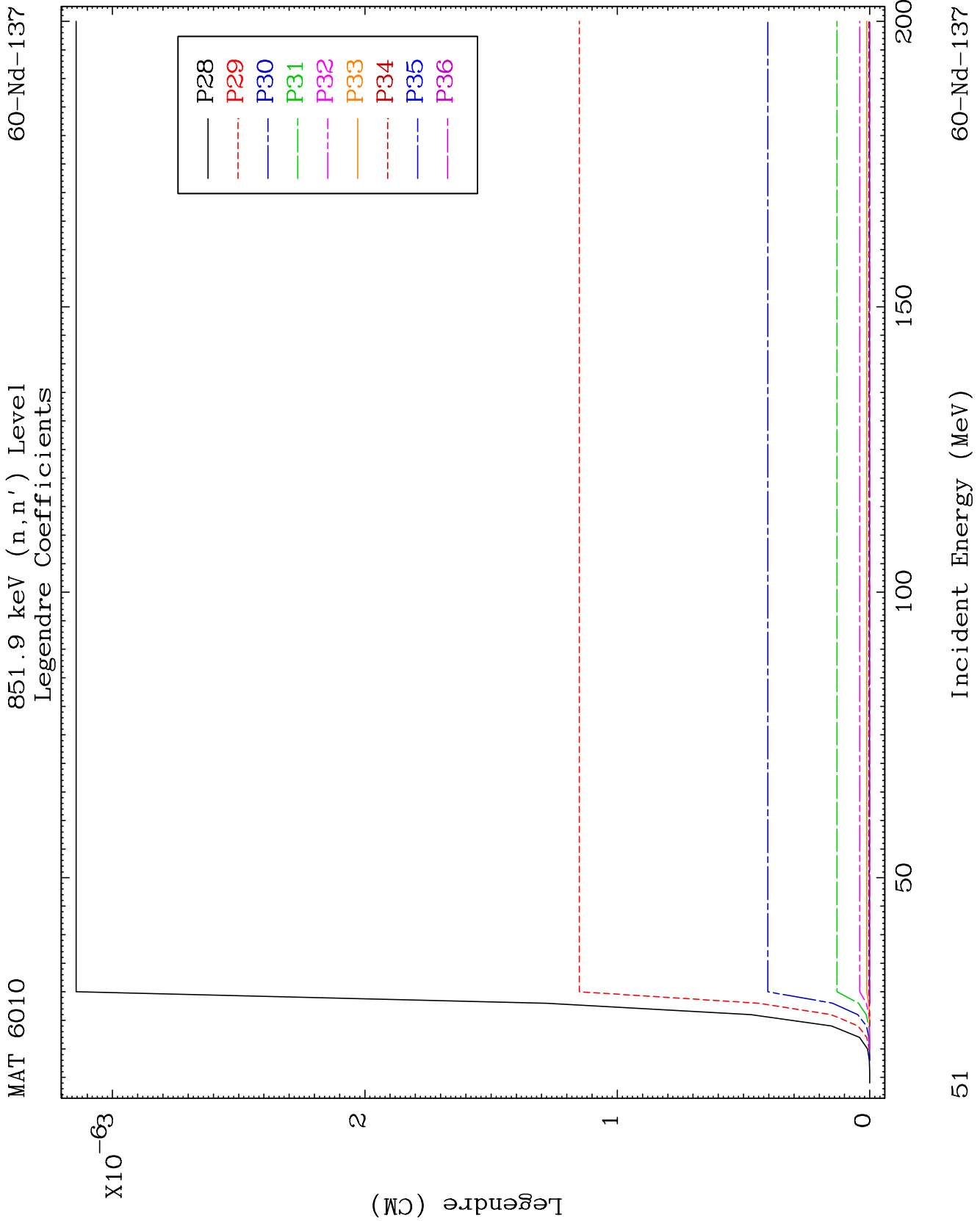
60-Nd-137

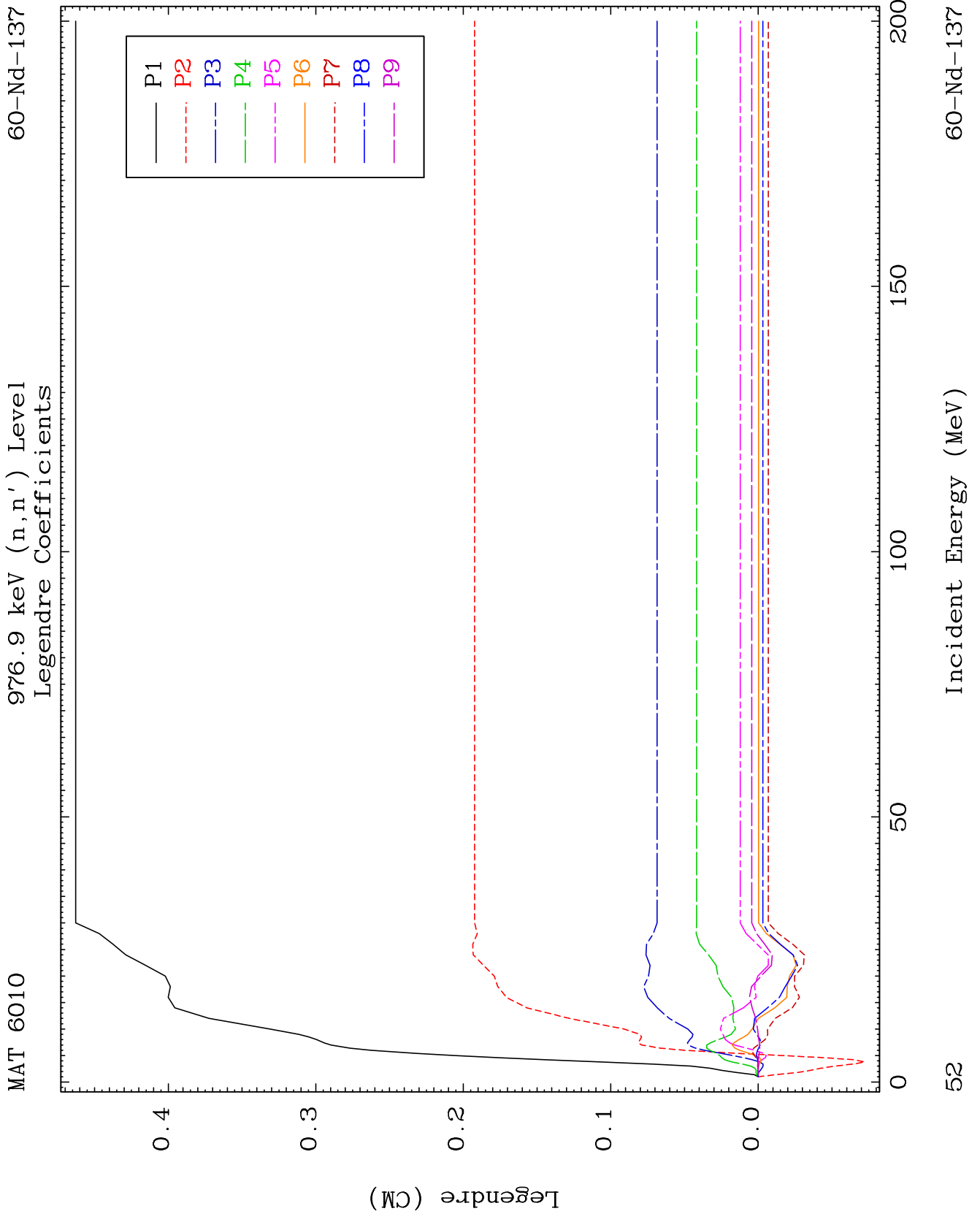
MAT 6010

851.9 keV (n, n') Level
Legendre Coefficients

60-Nd-137



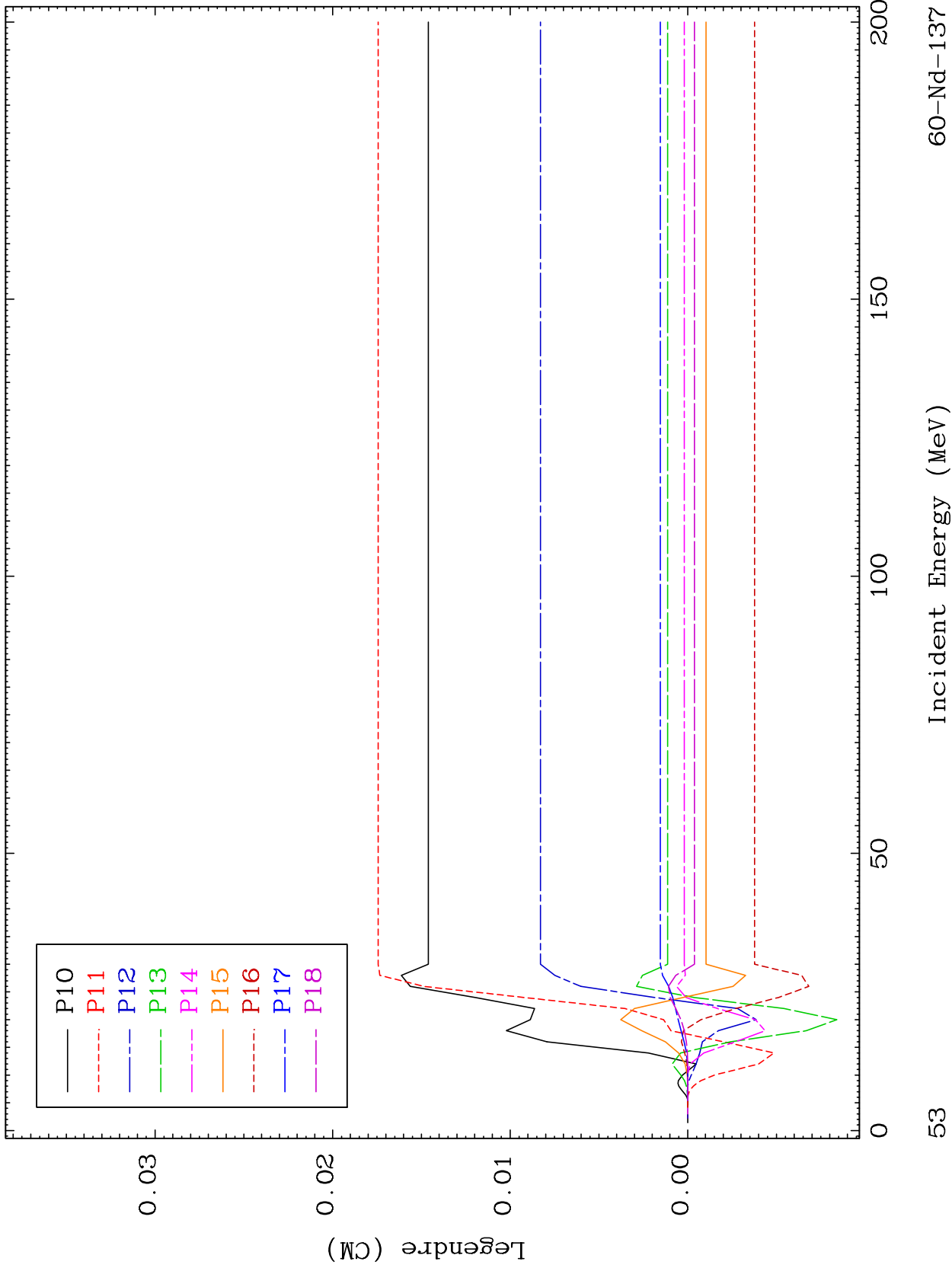




MAT 6010

976.9 keV (n, n') Level
Legendre Coefficients

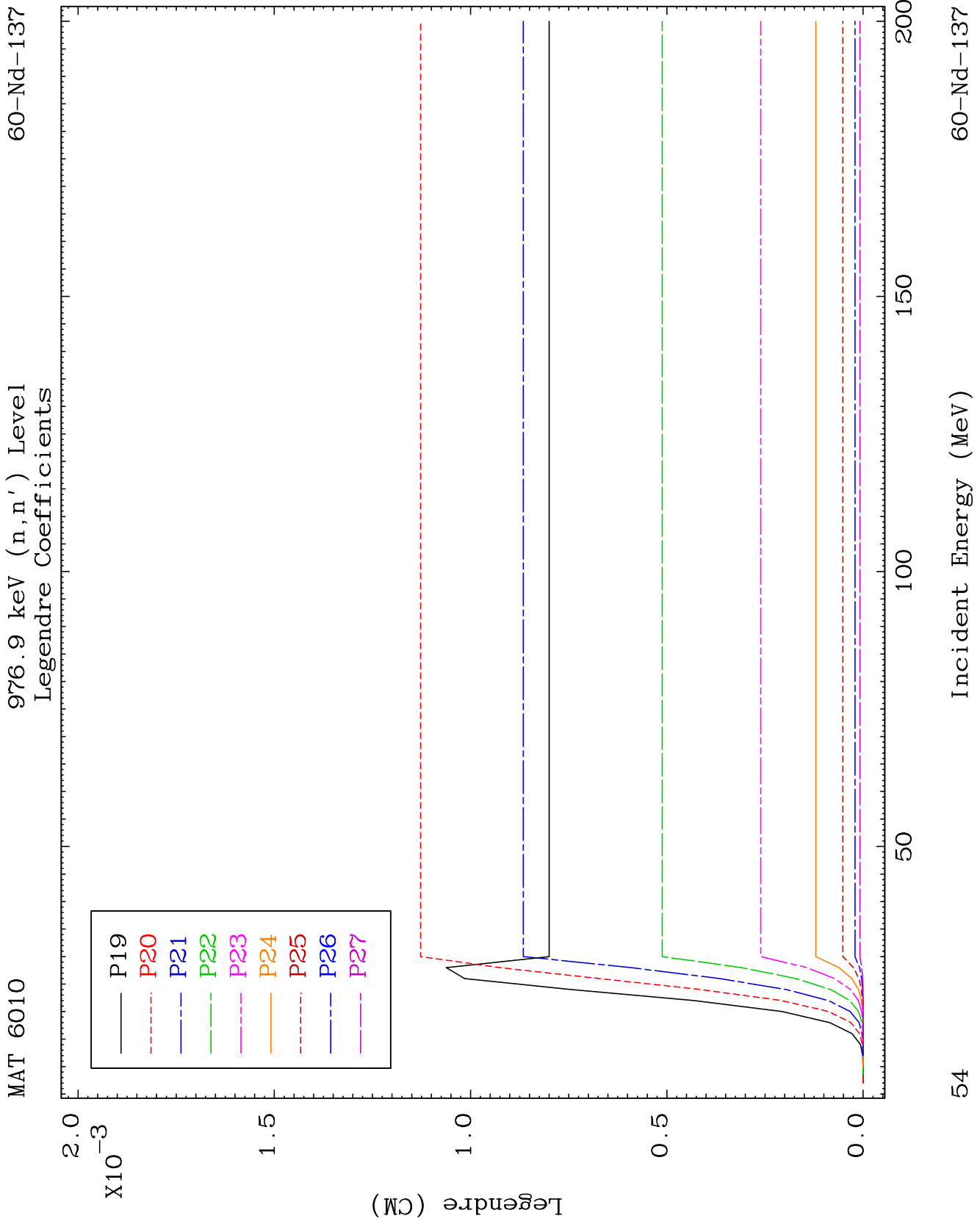
60-Nd-137

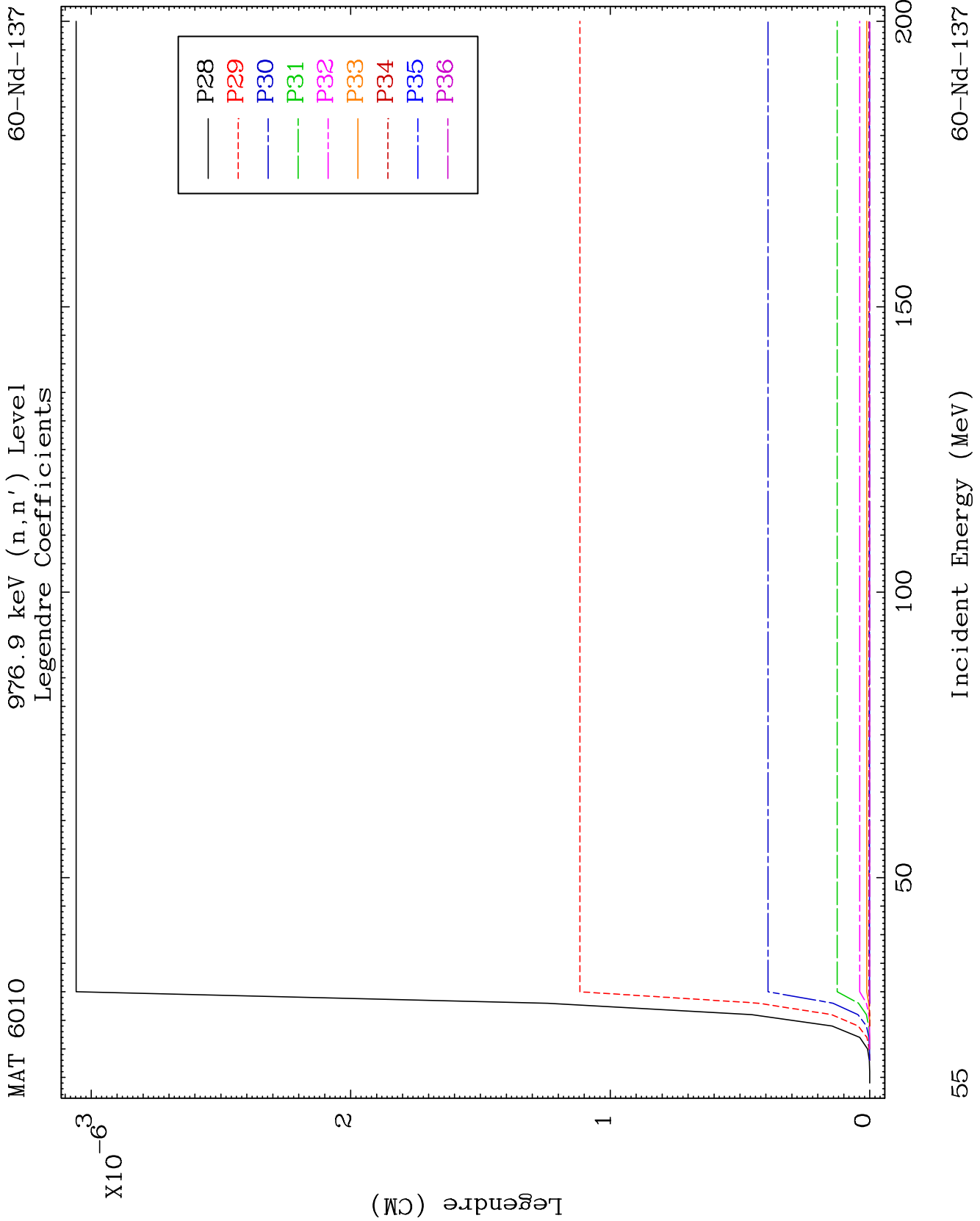


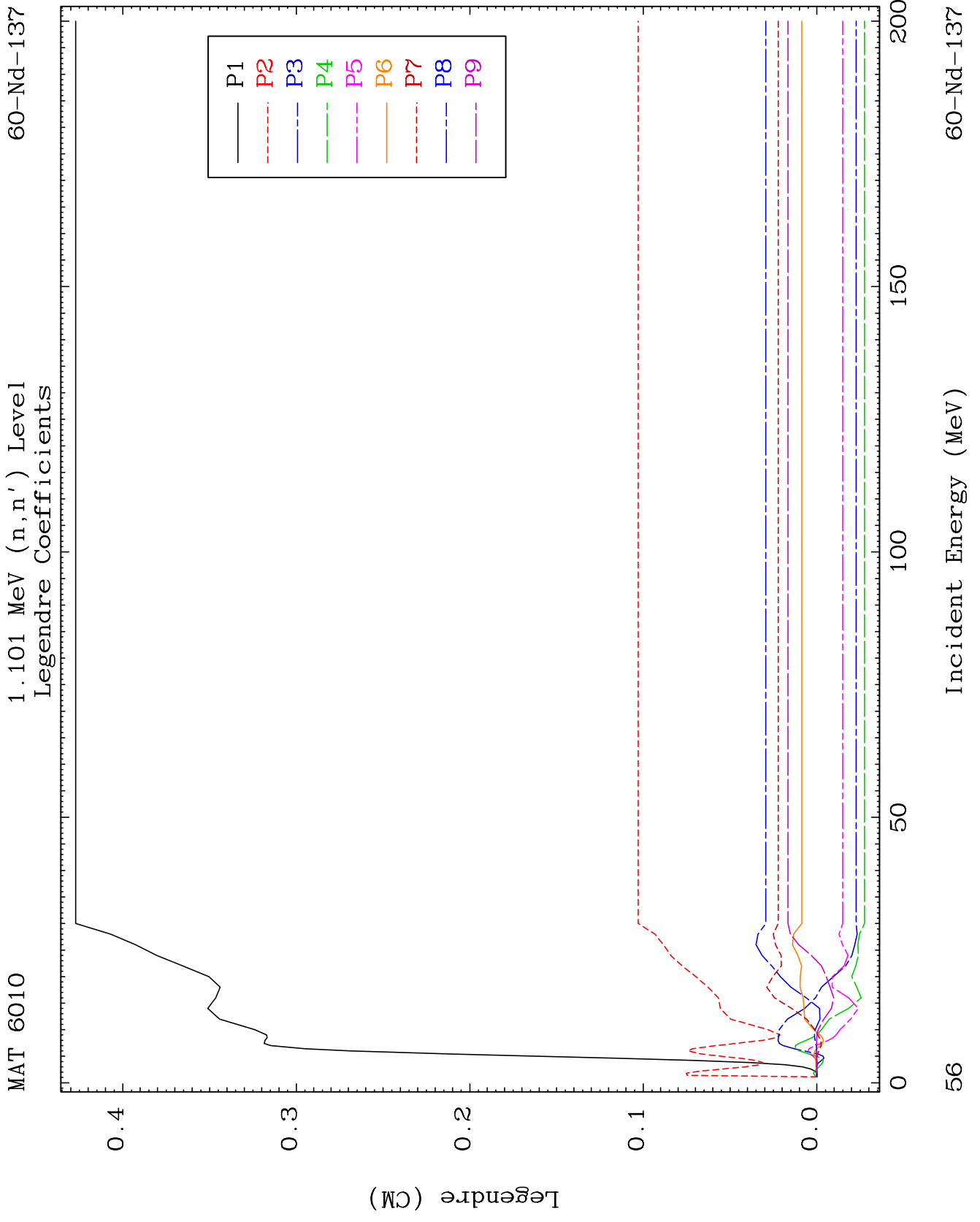
53

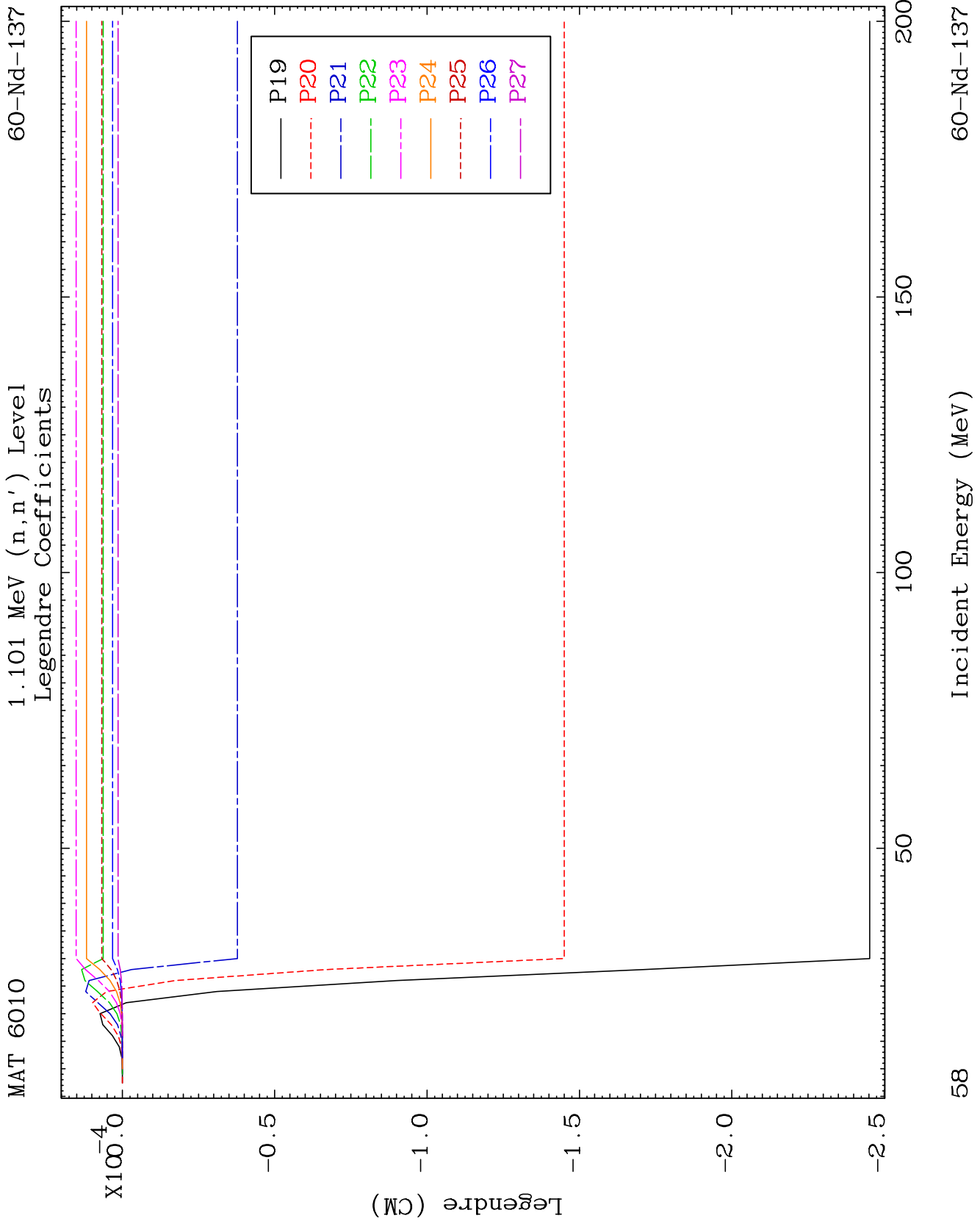
Incident Energy (MeV)

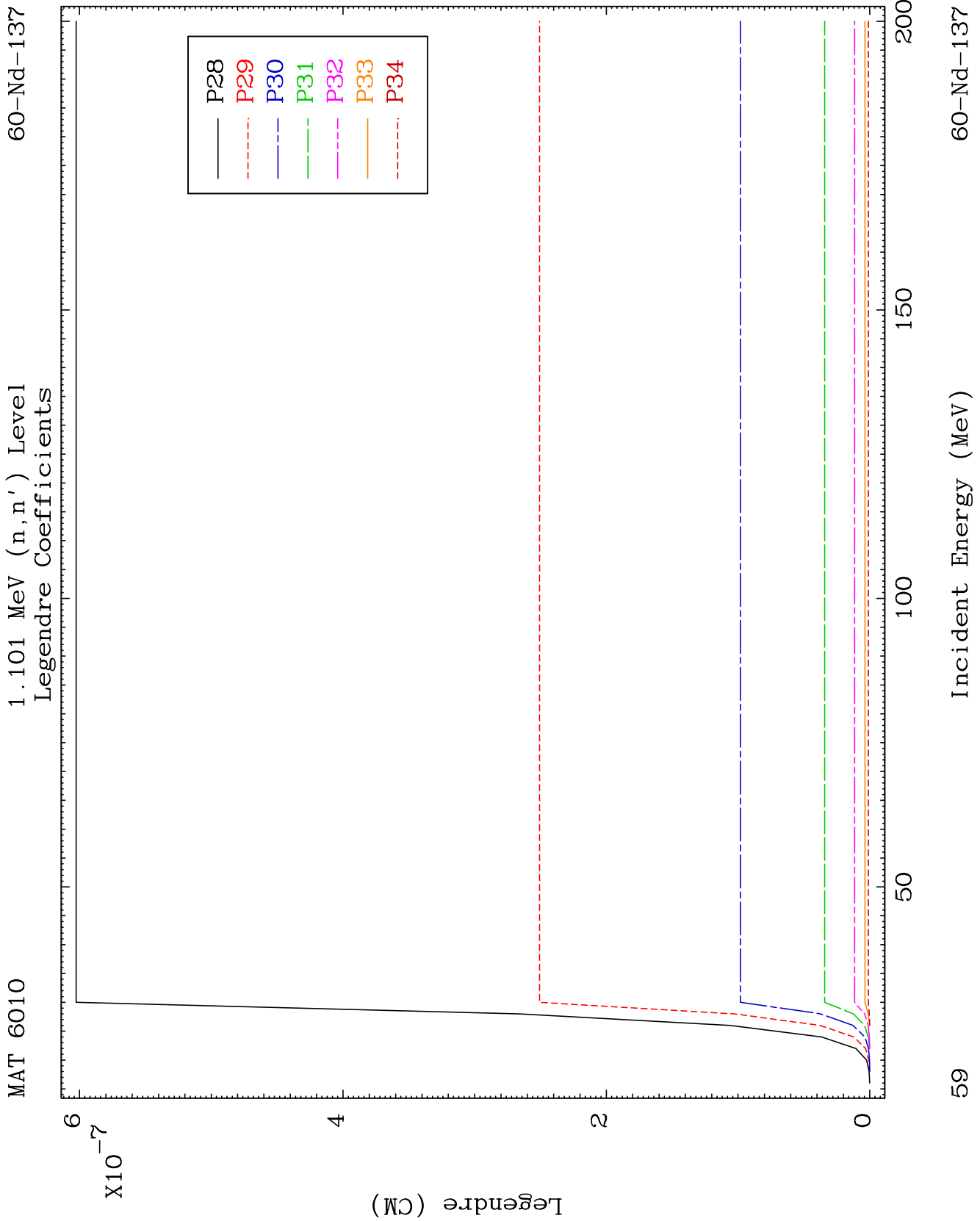
60-Nd-137

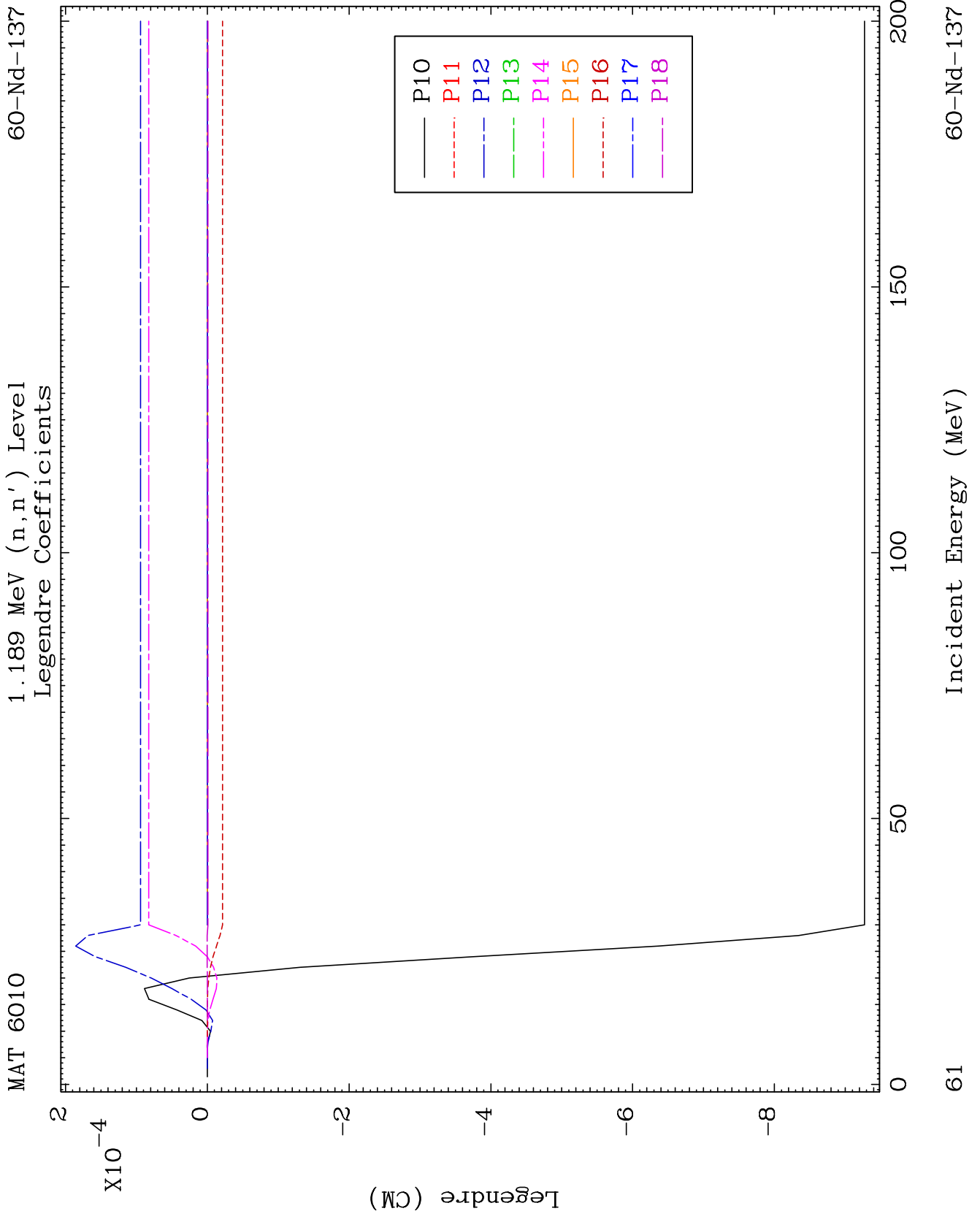


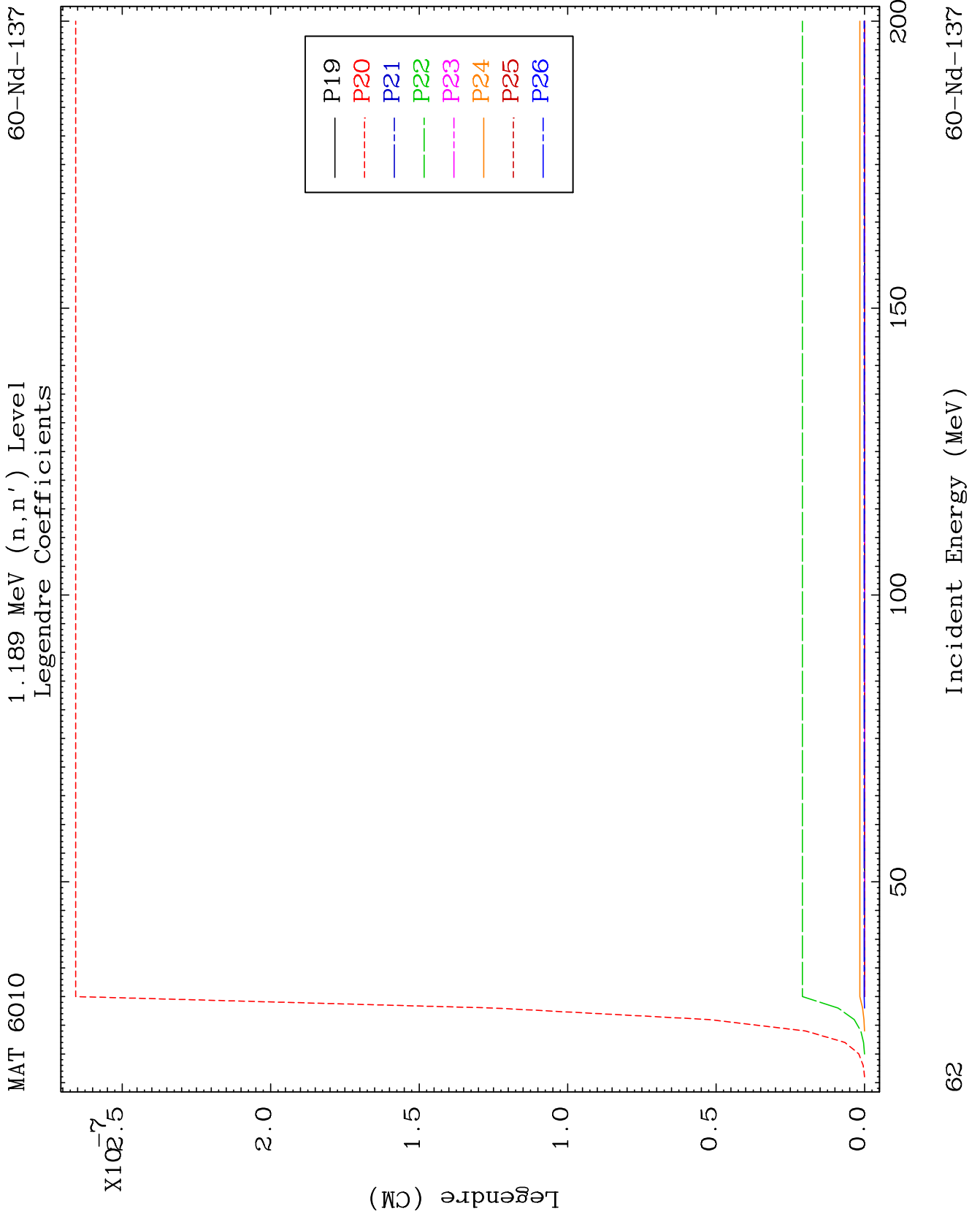


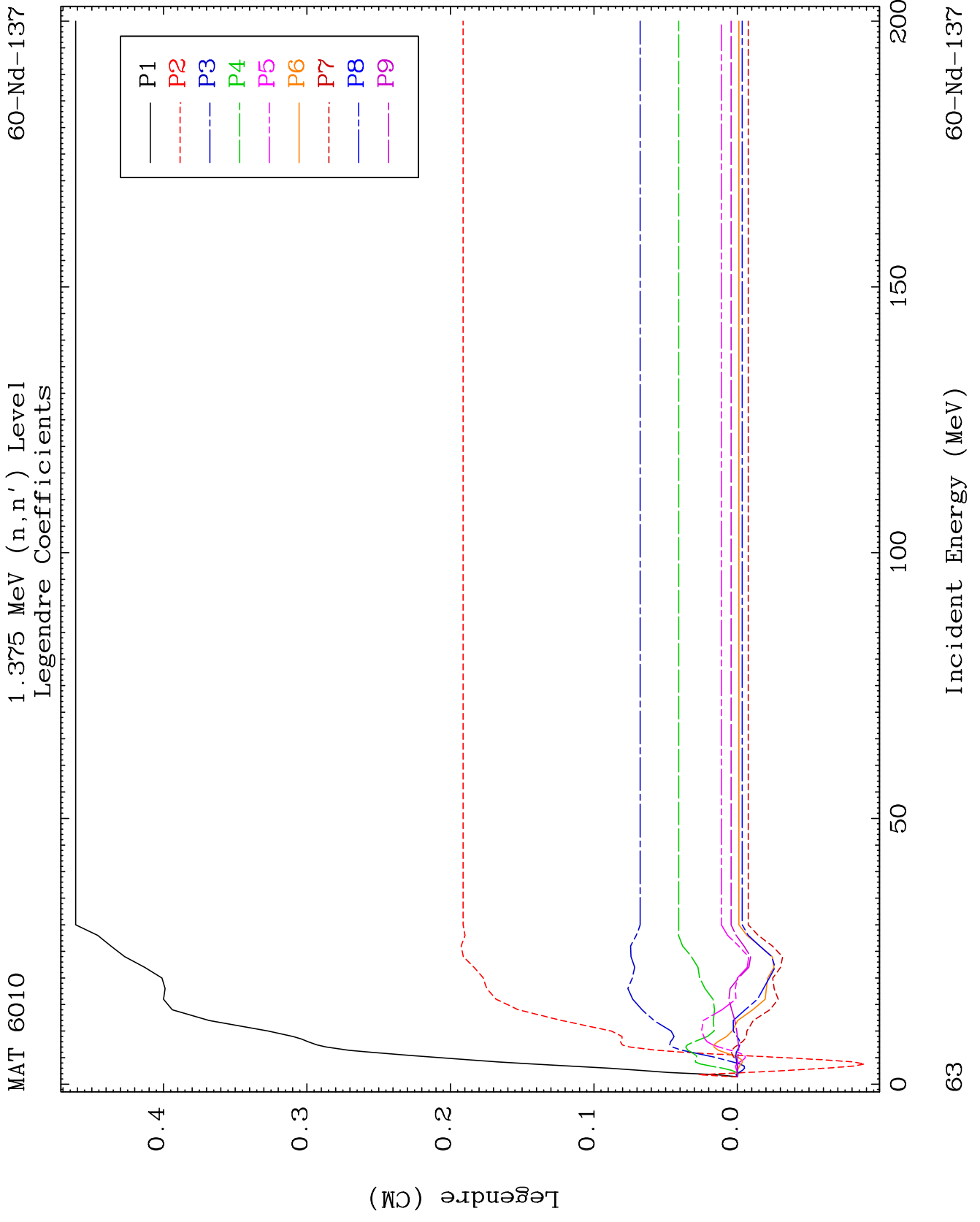


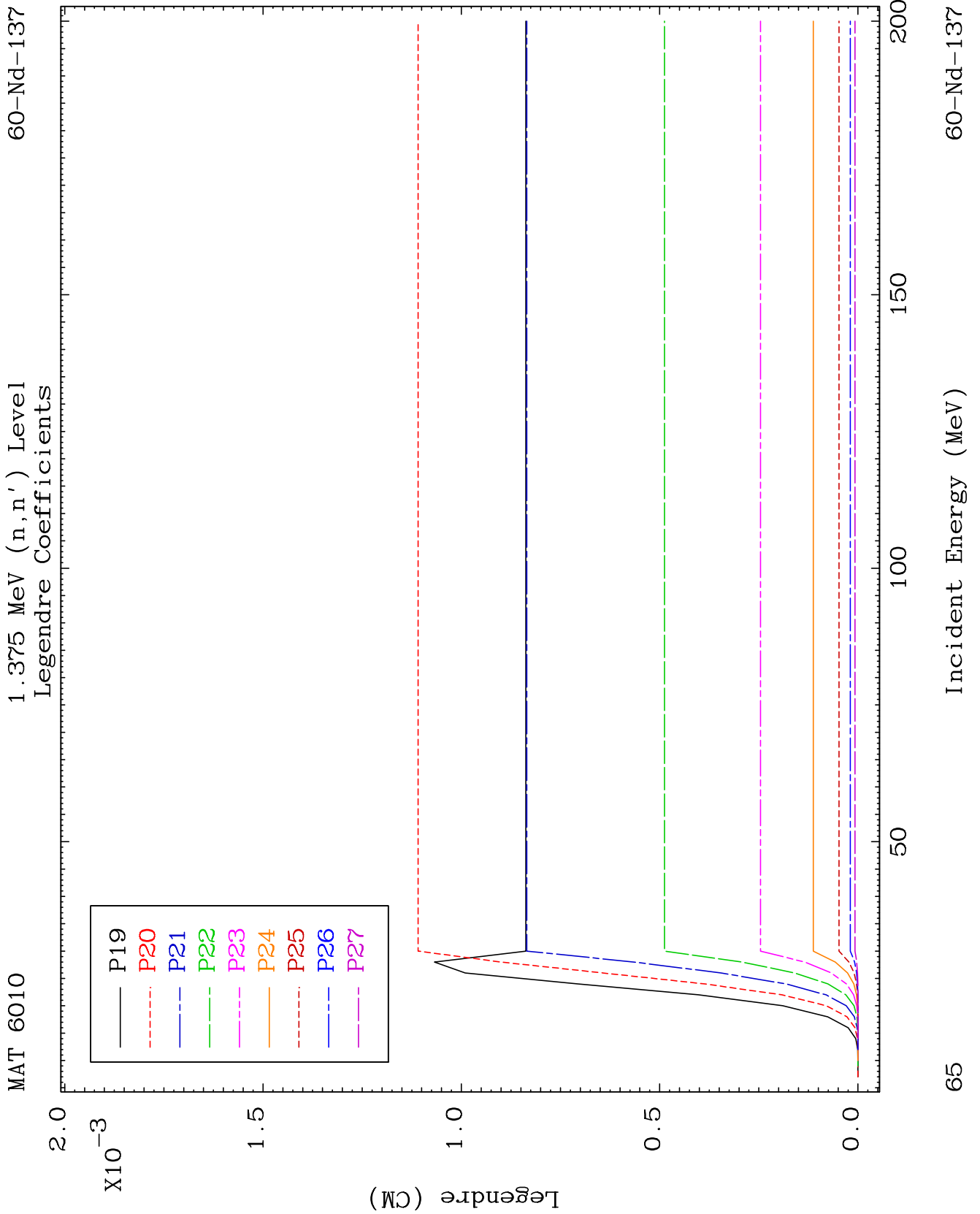


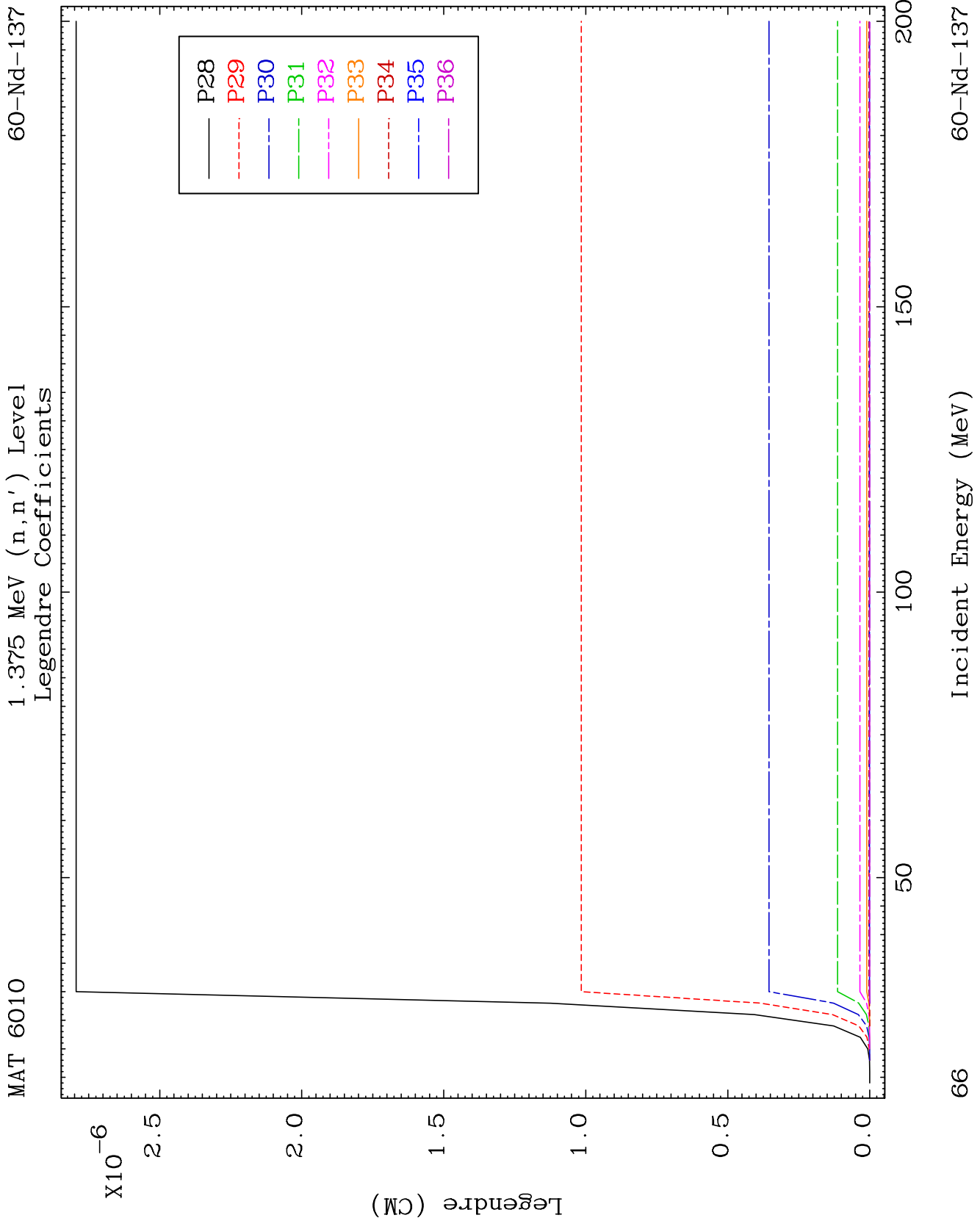


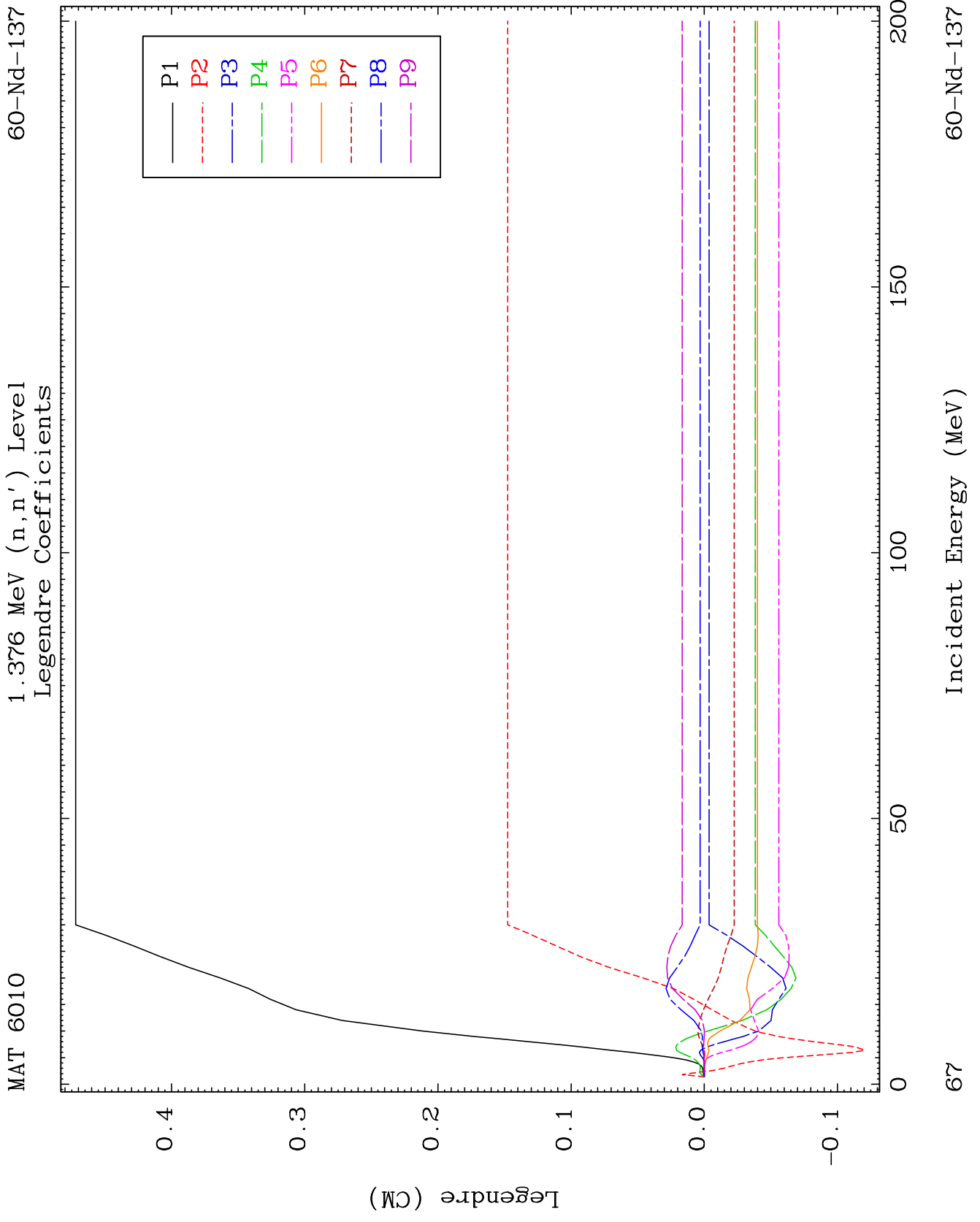


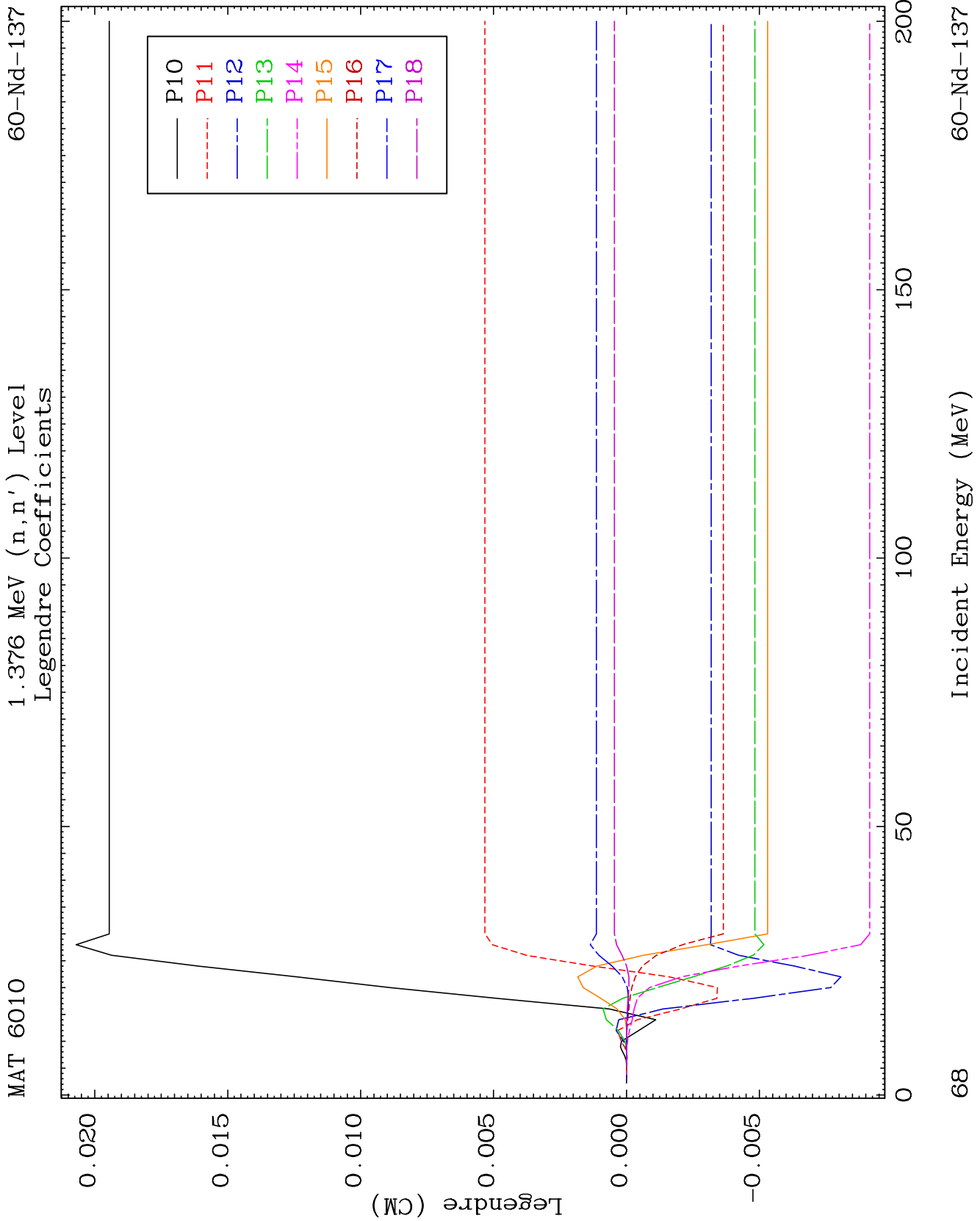


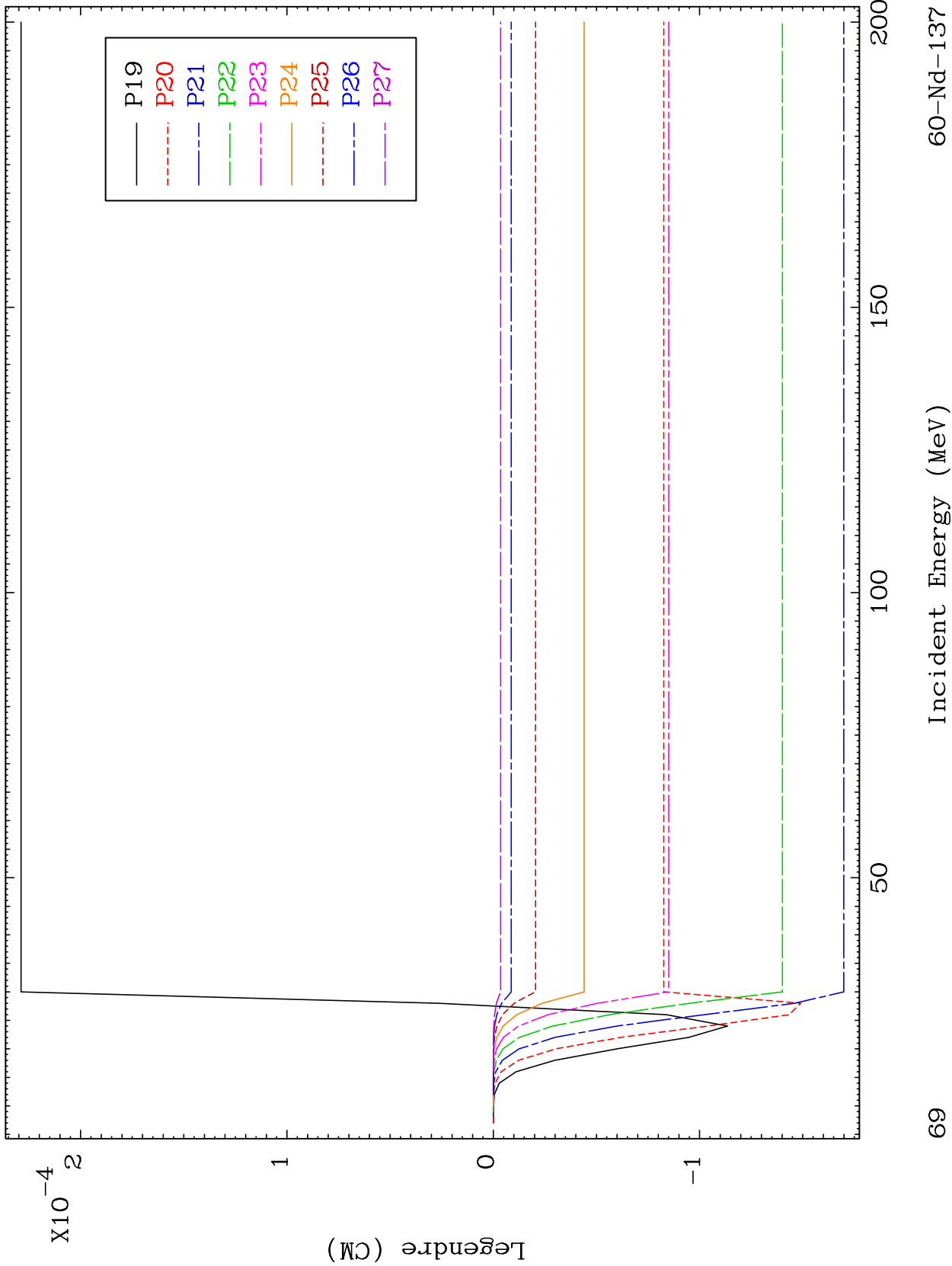


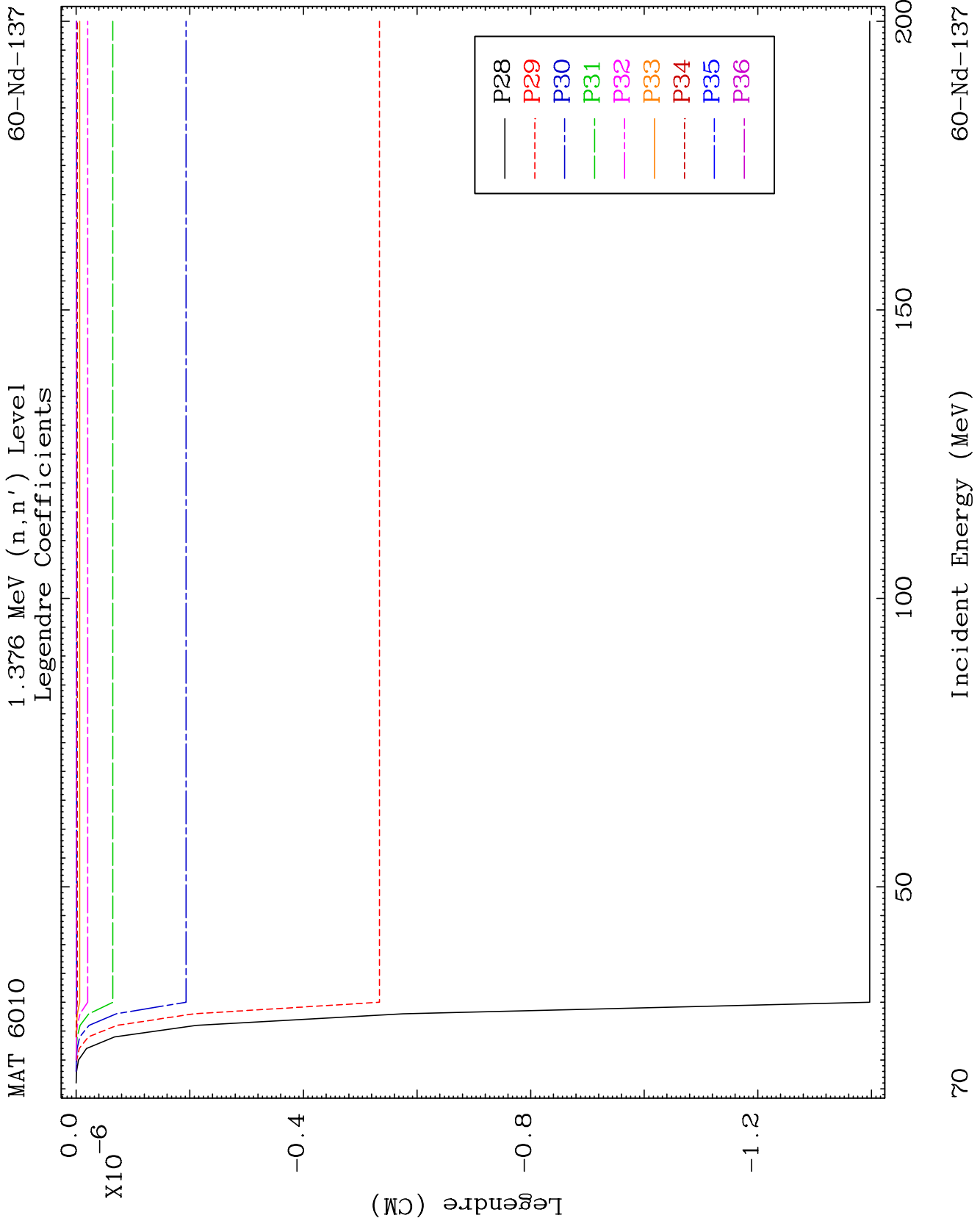


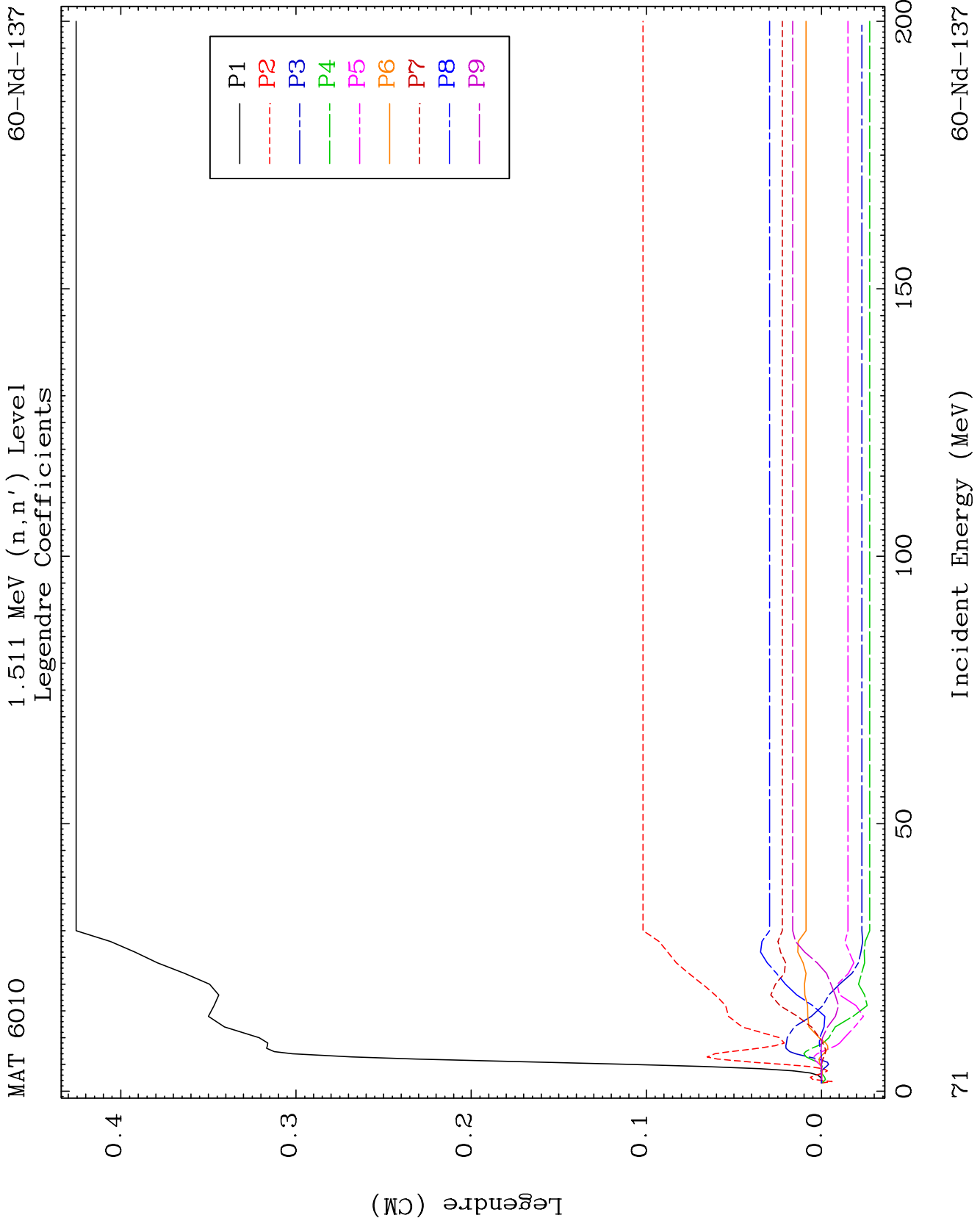


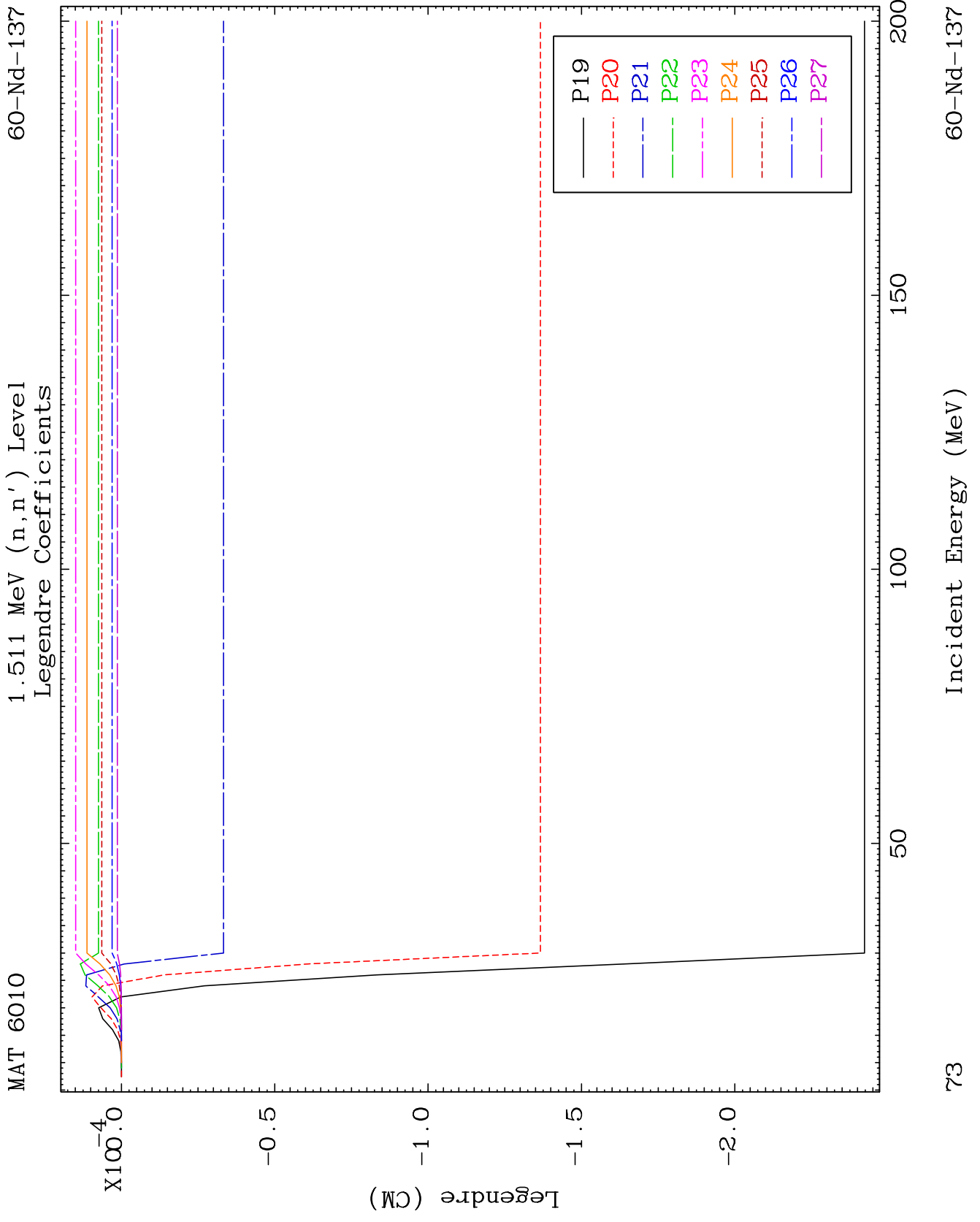


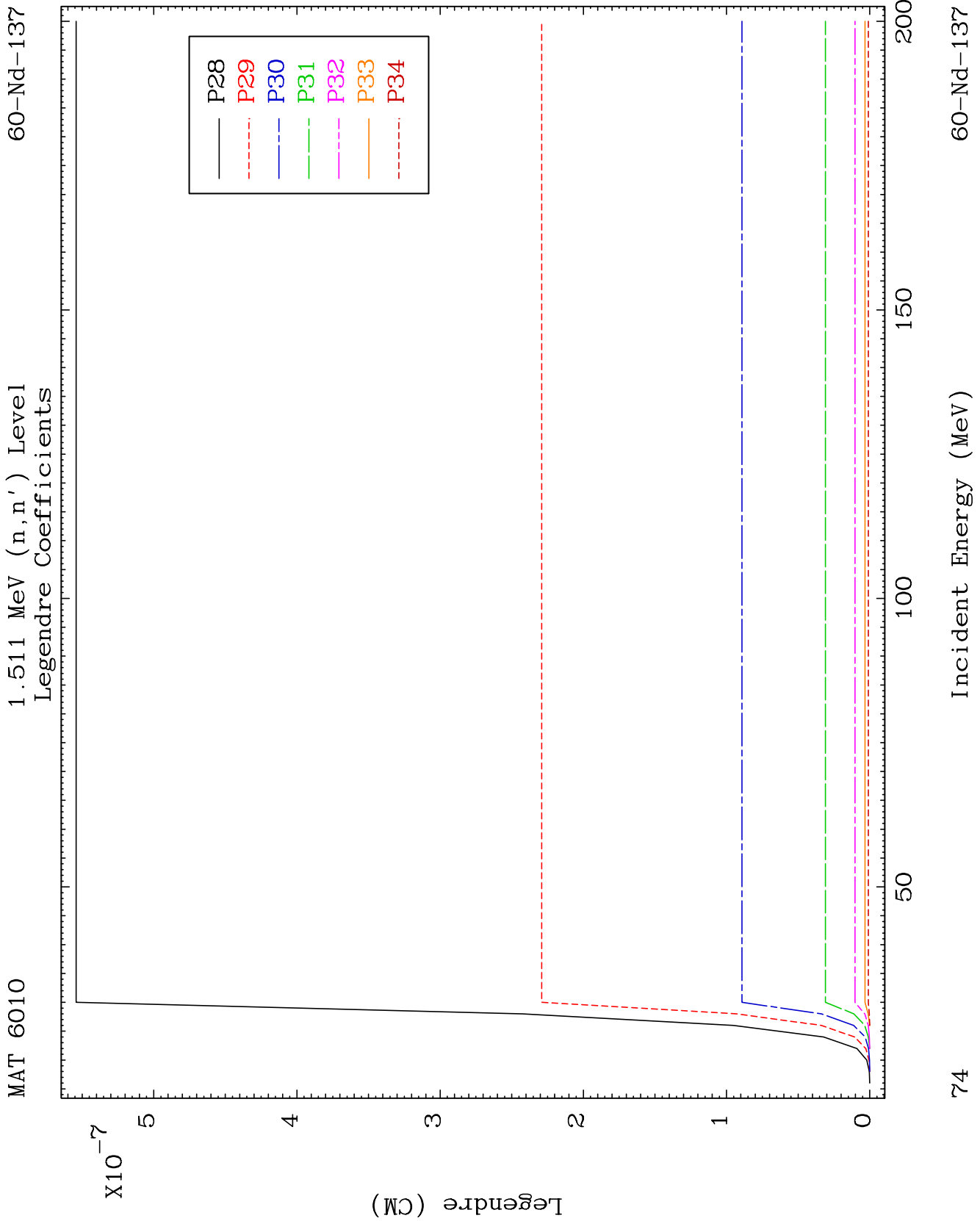


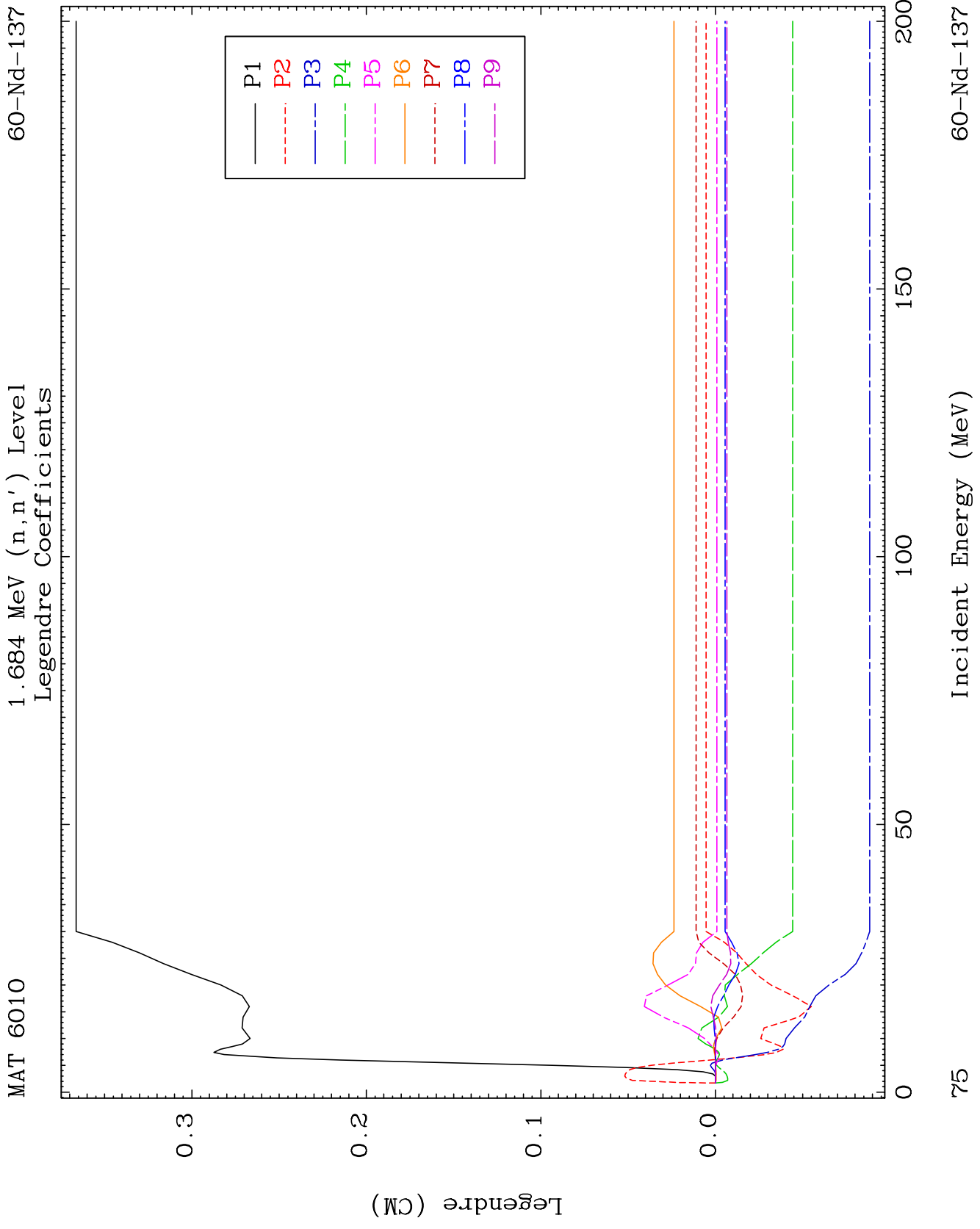


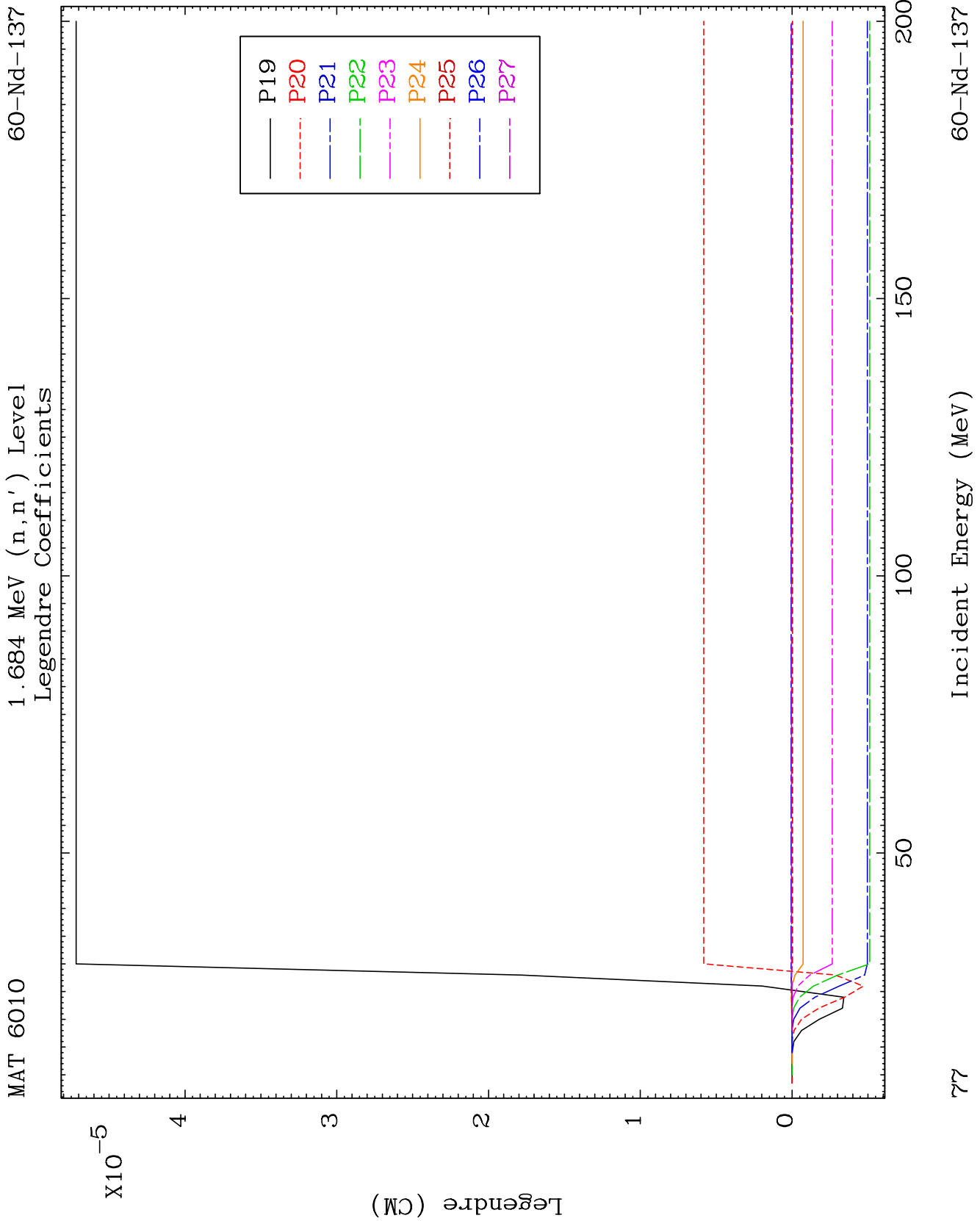


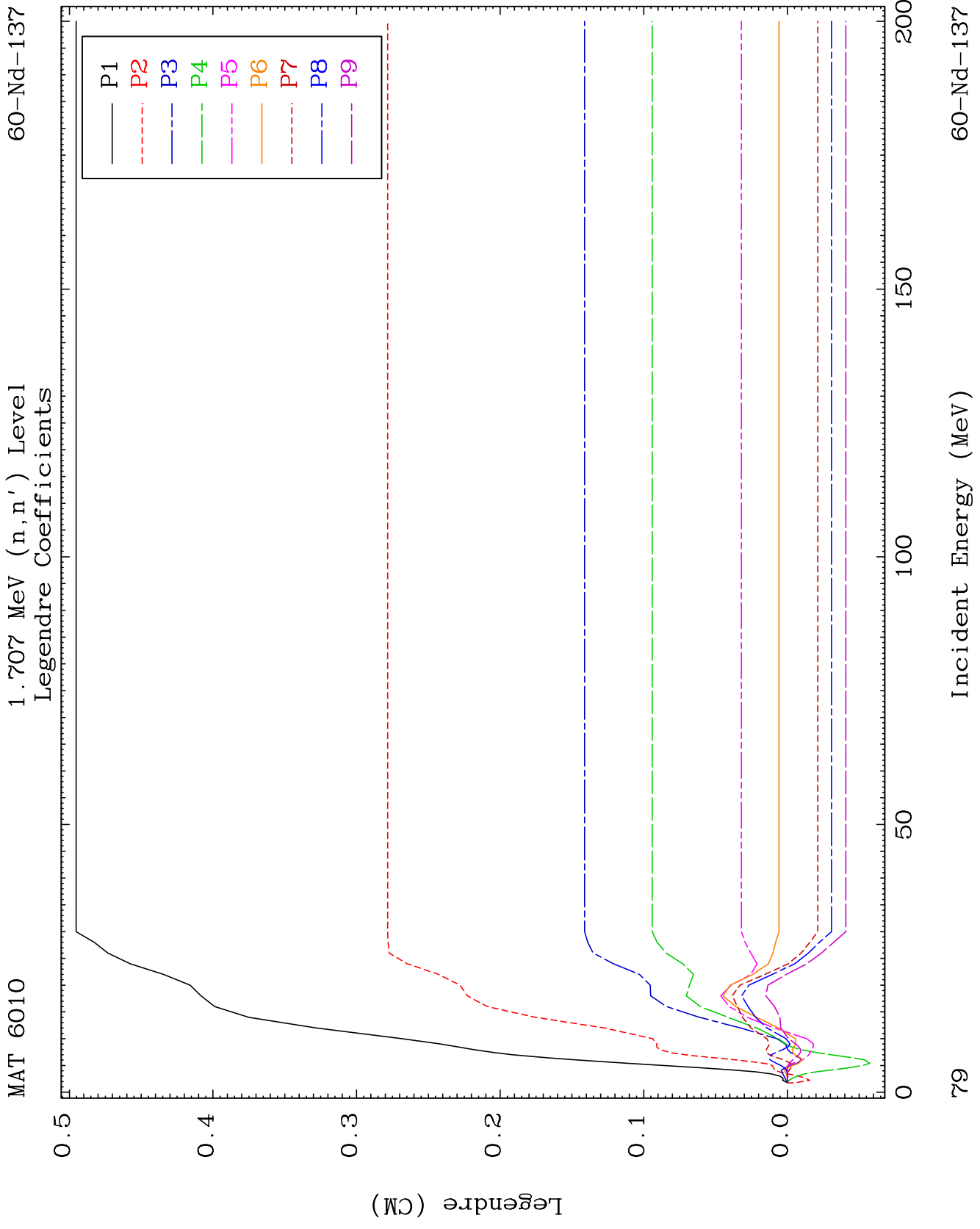


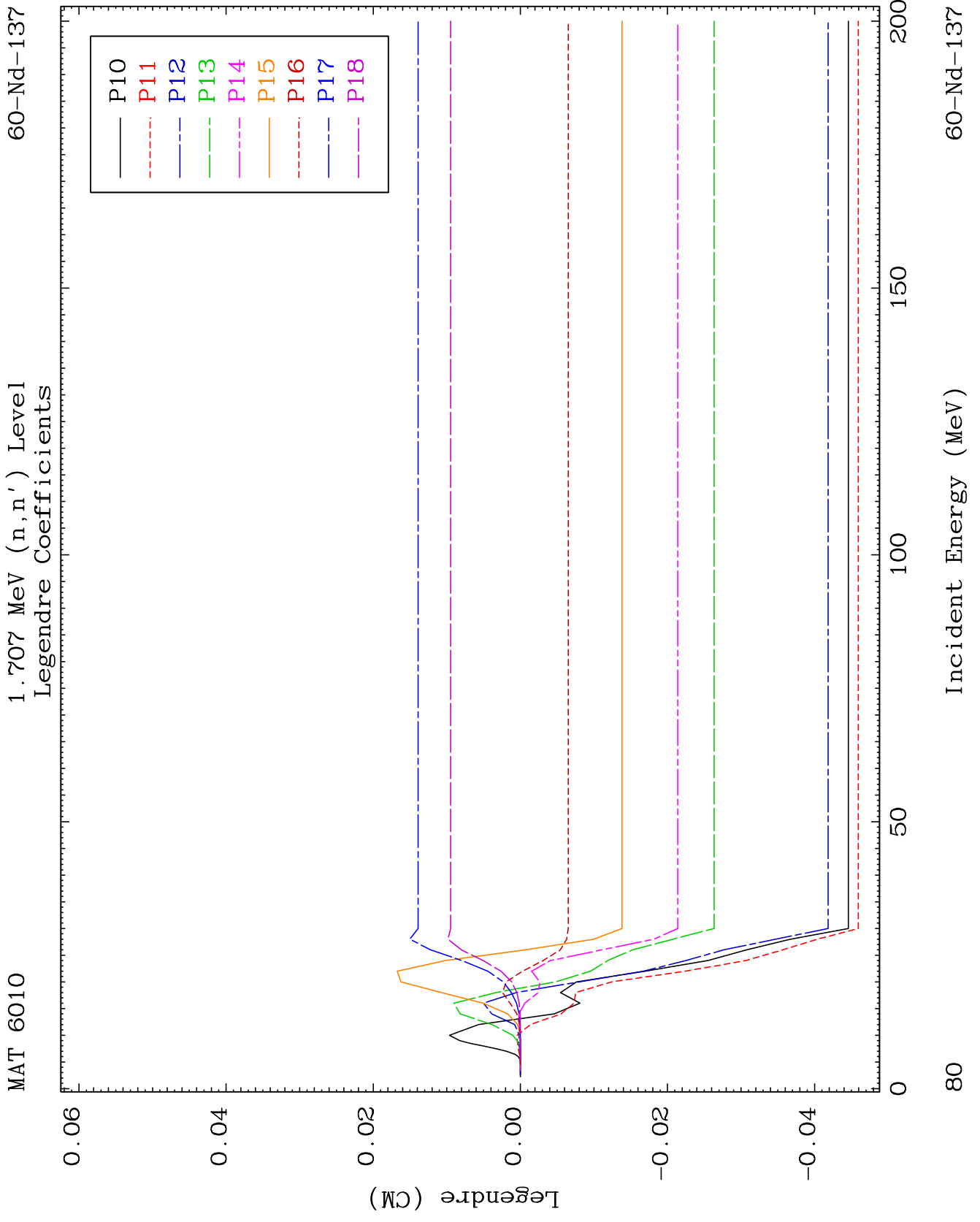


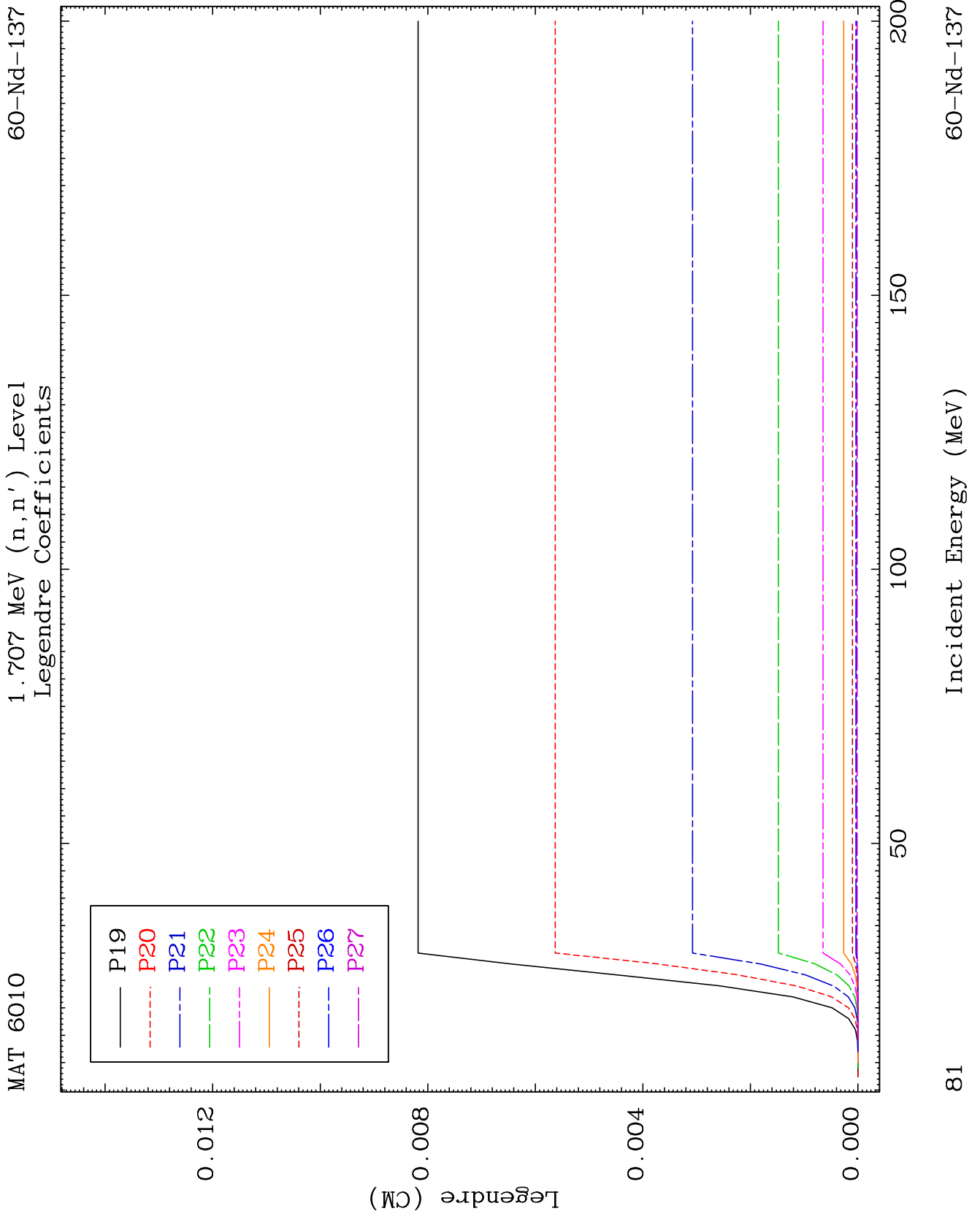


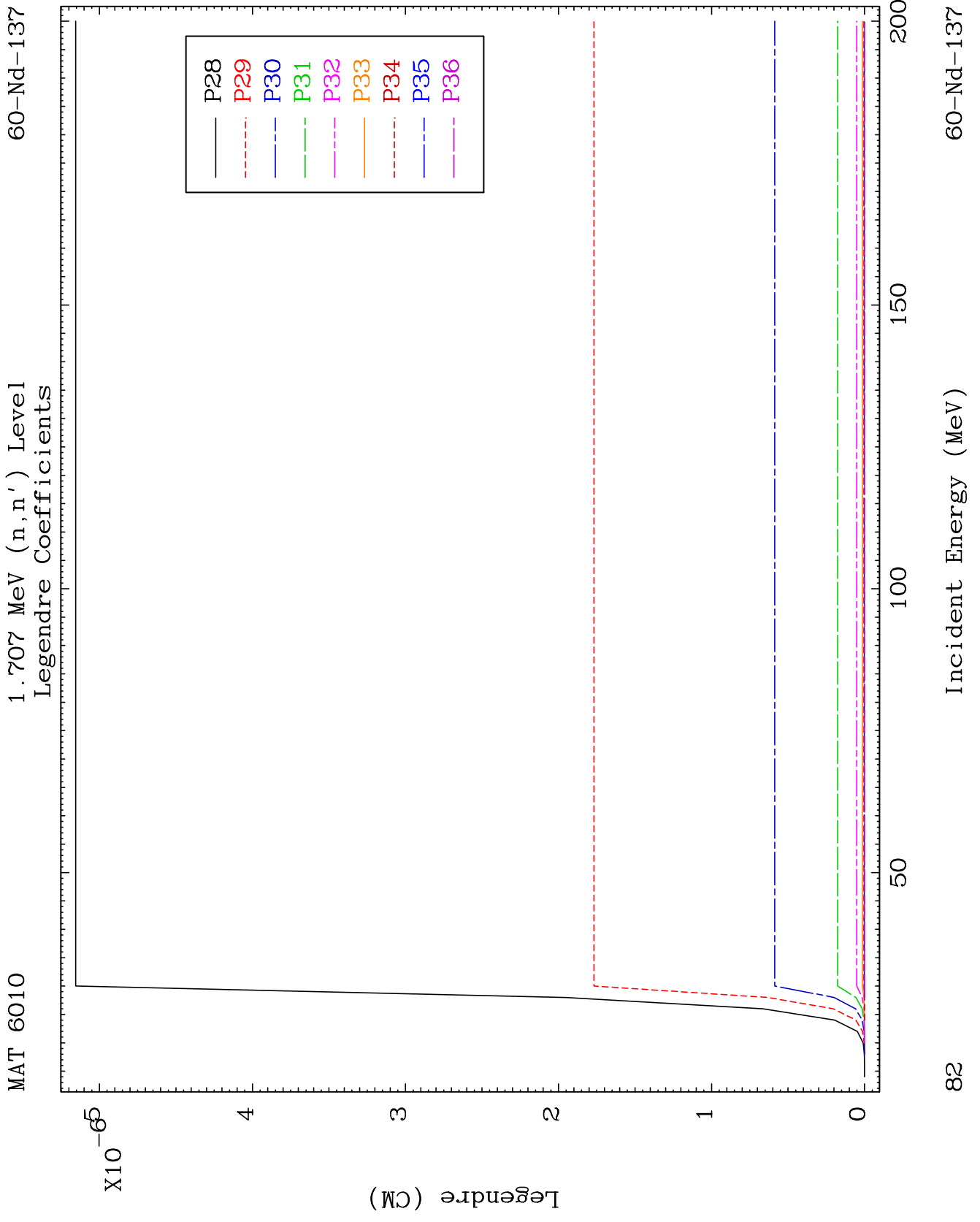


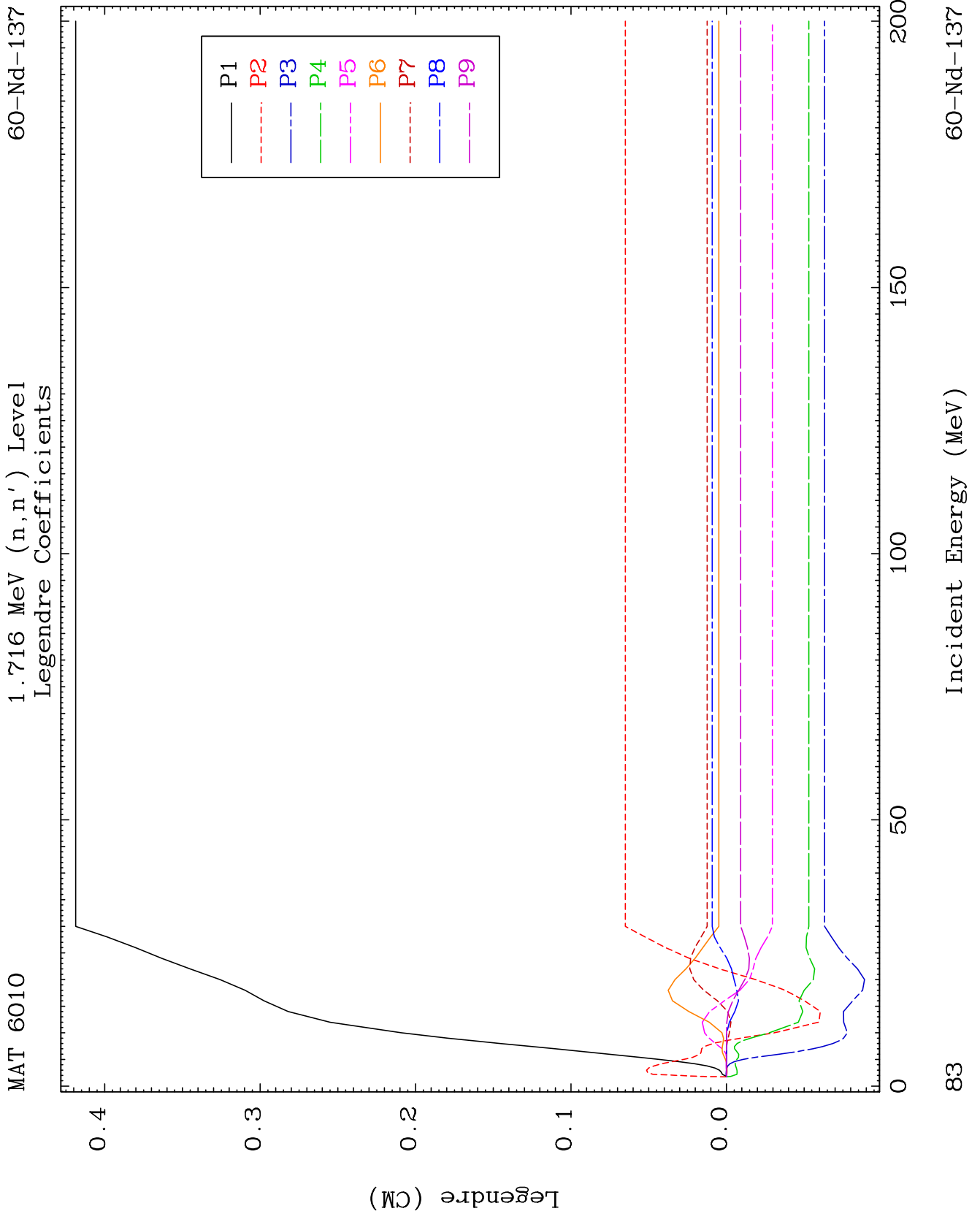


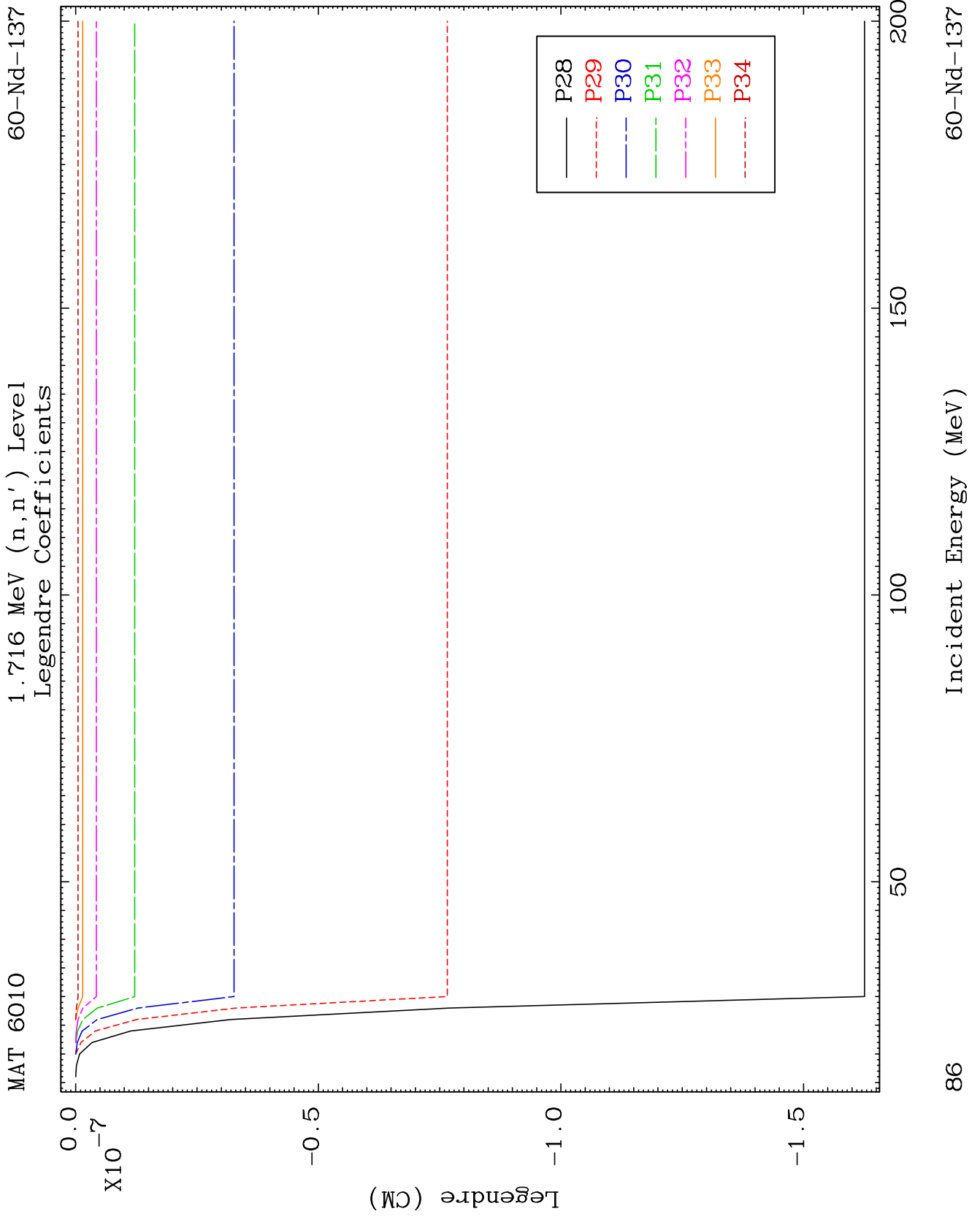


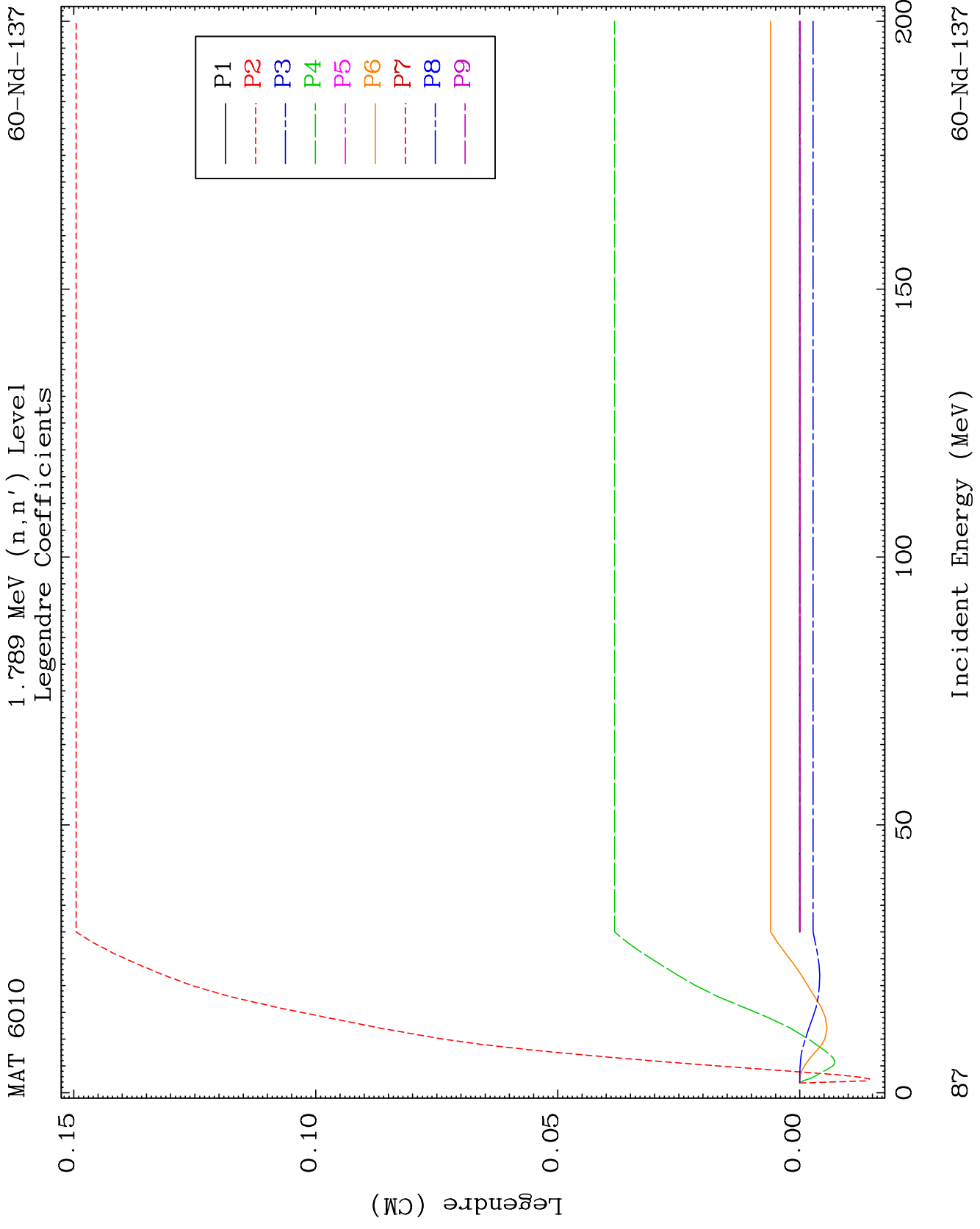


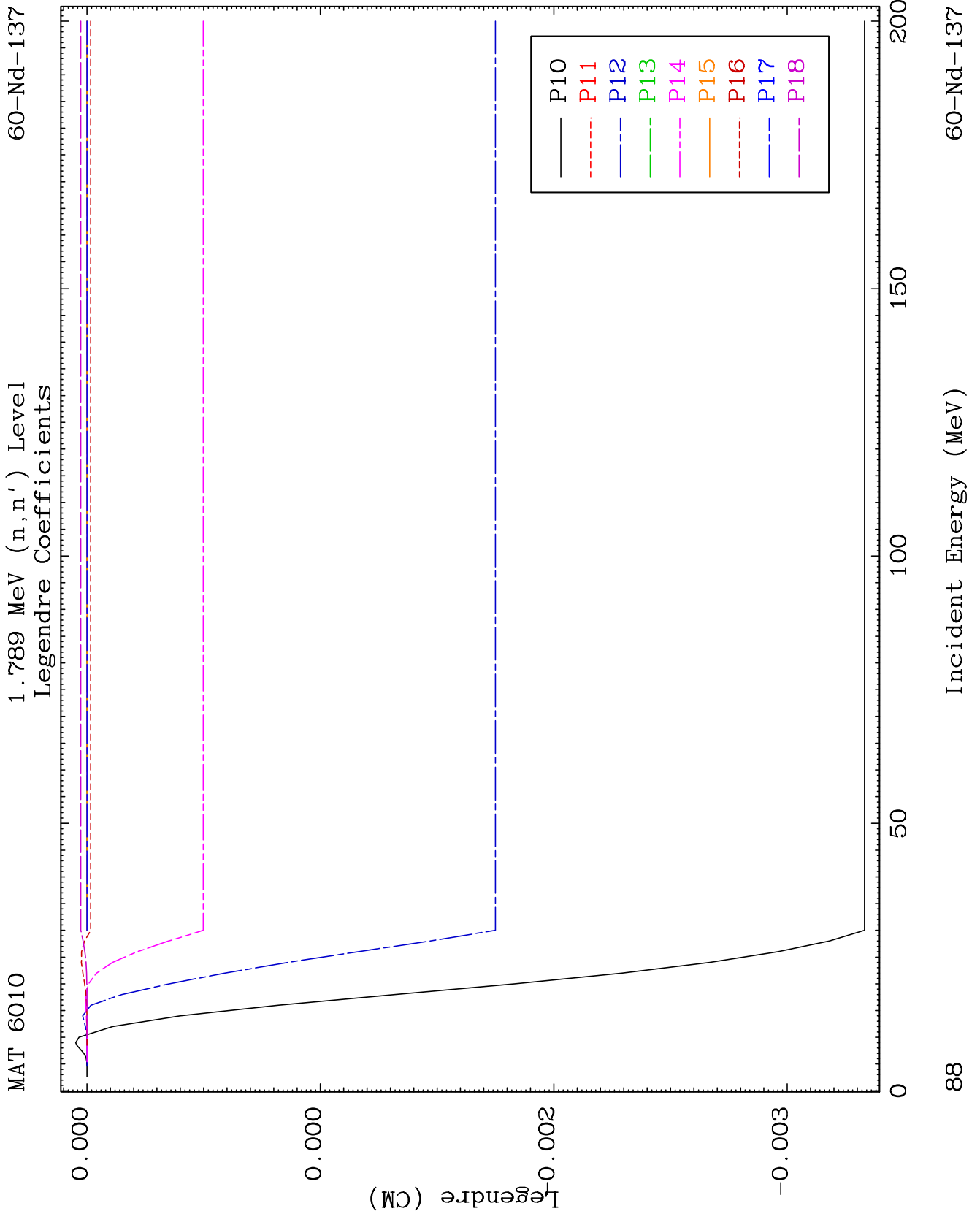


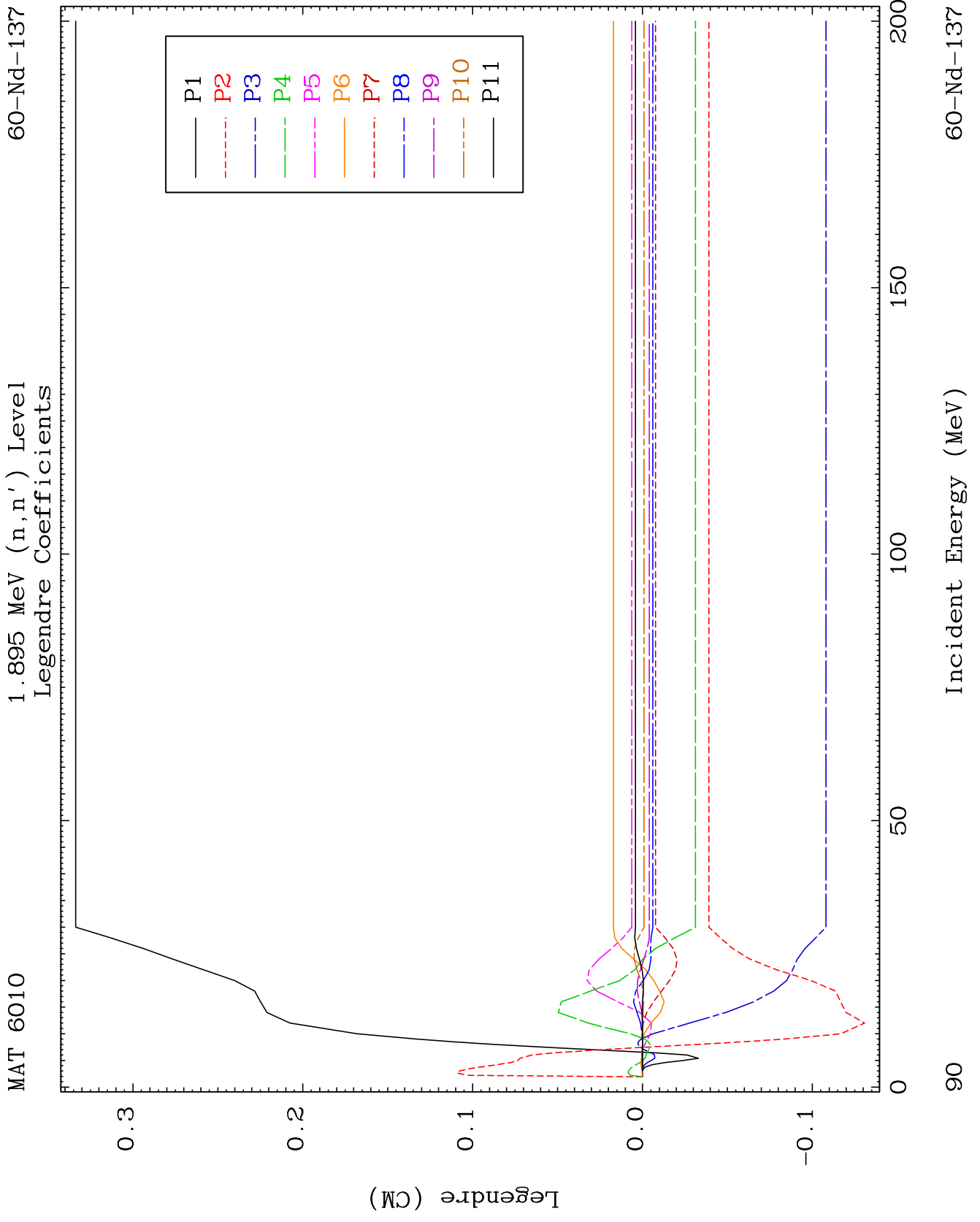








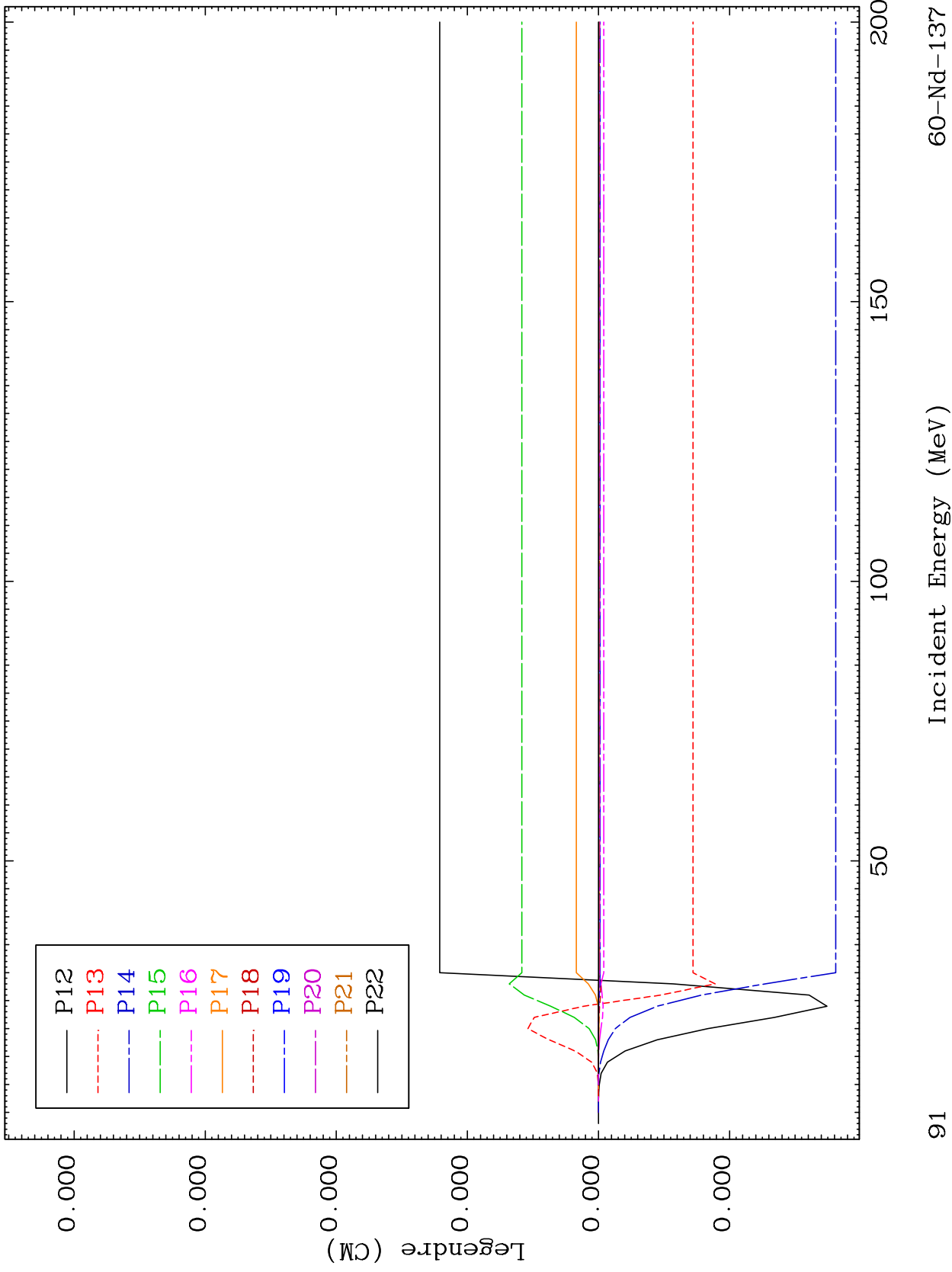




MAT 6010

1.895 MeV (n,n') Level
Legendre Coefficients

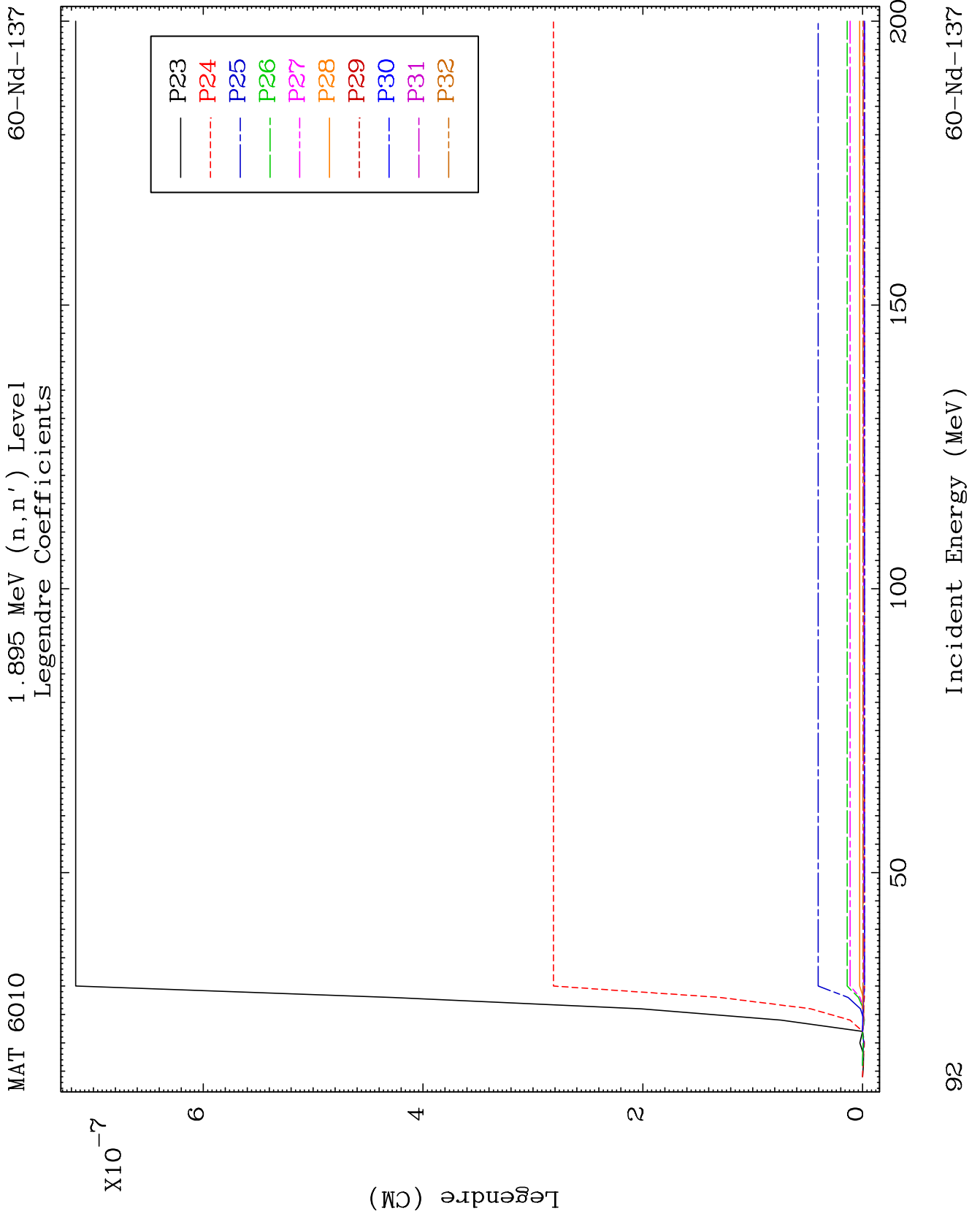
60-Nd-137

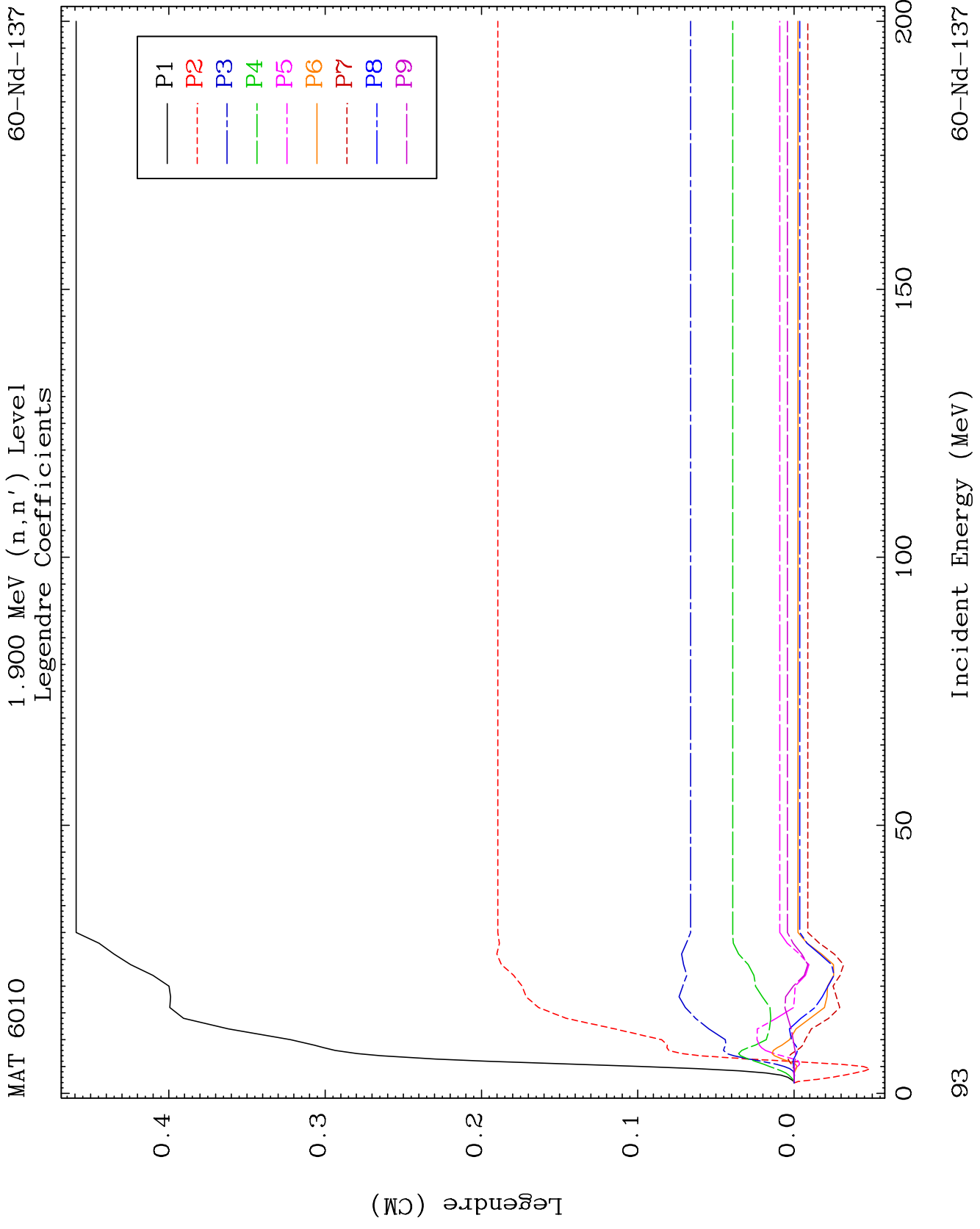


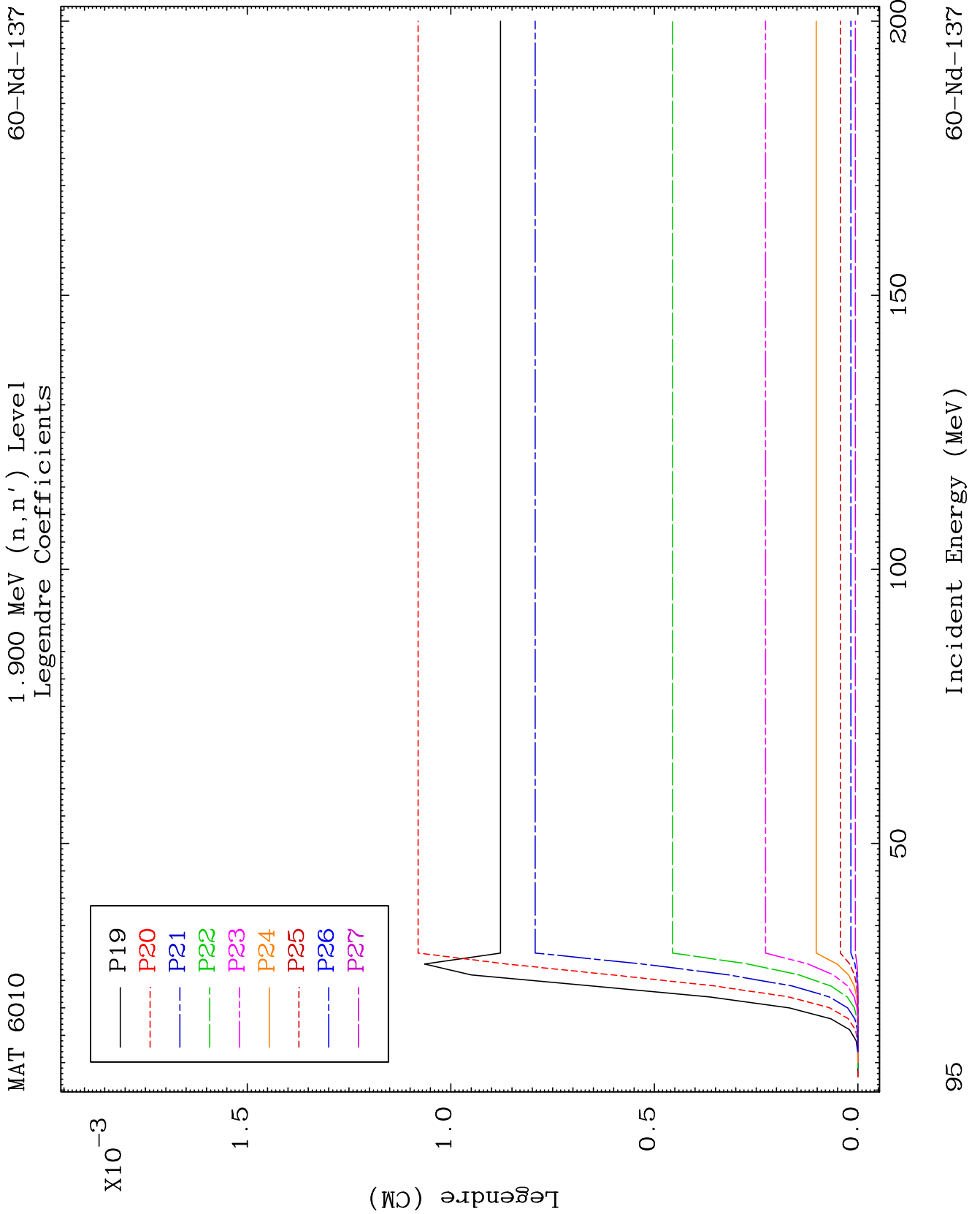
91

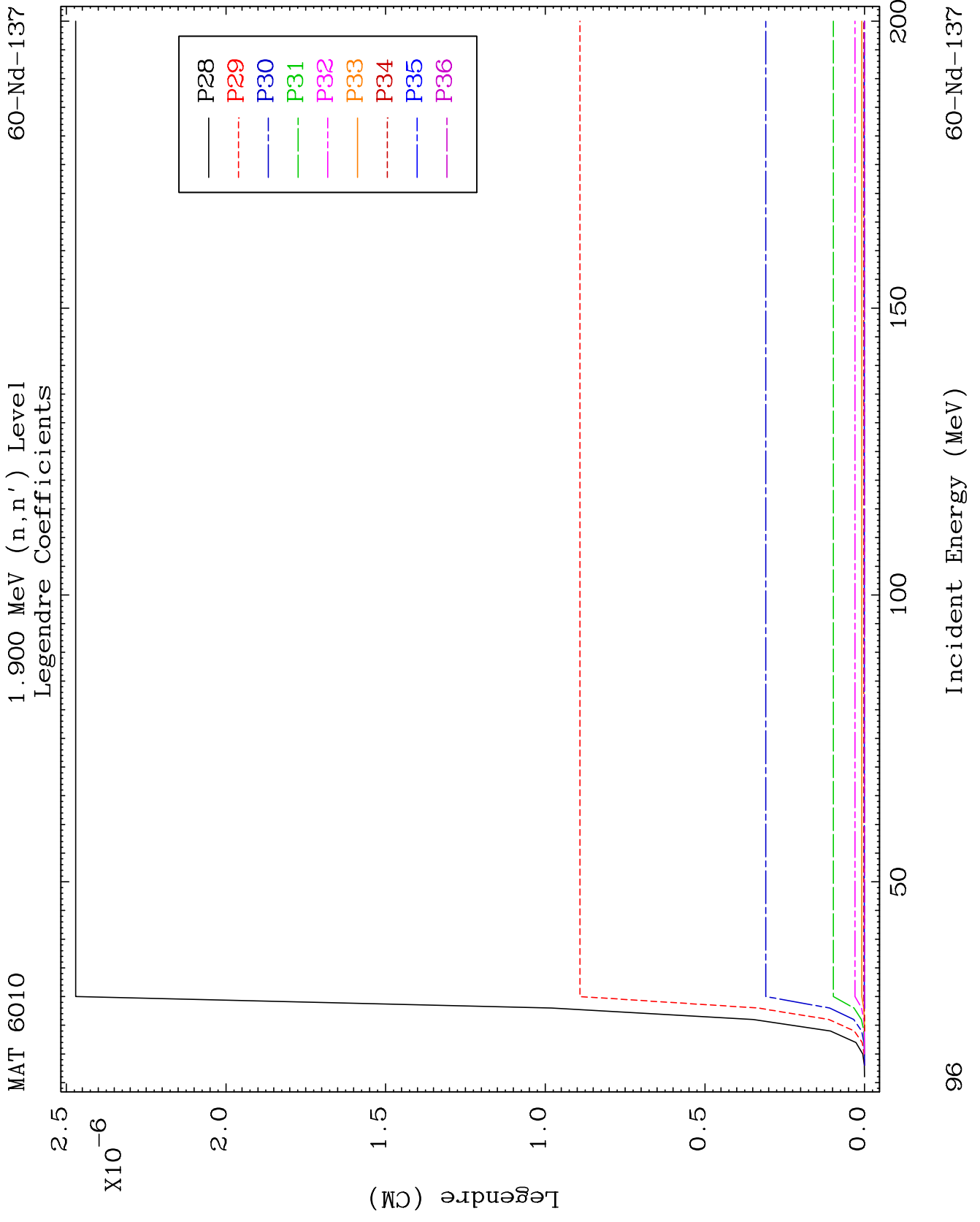
Incident Energy (MeV)

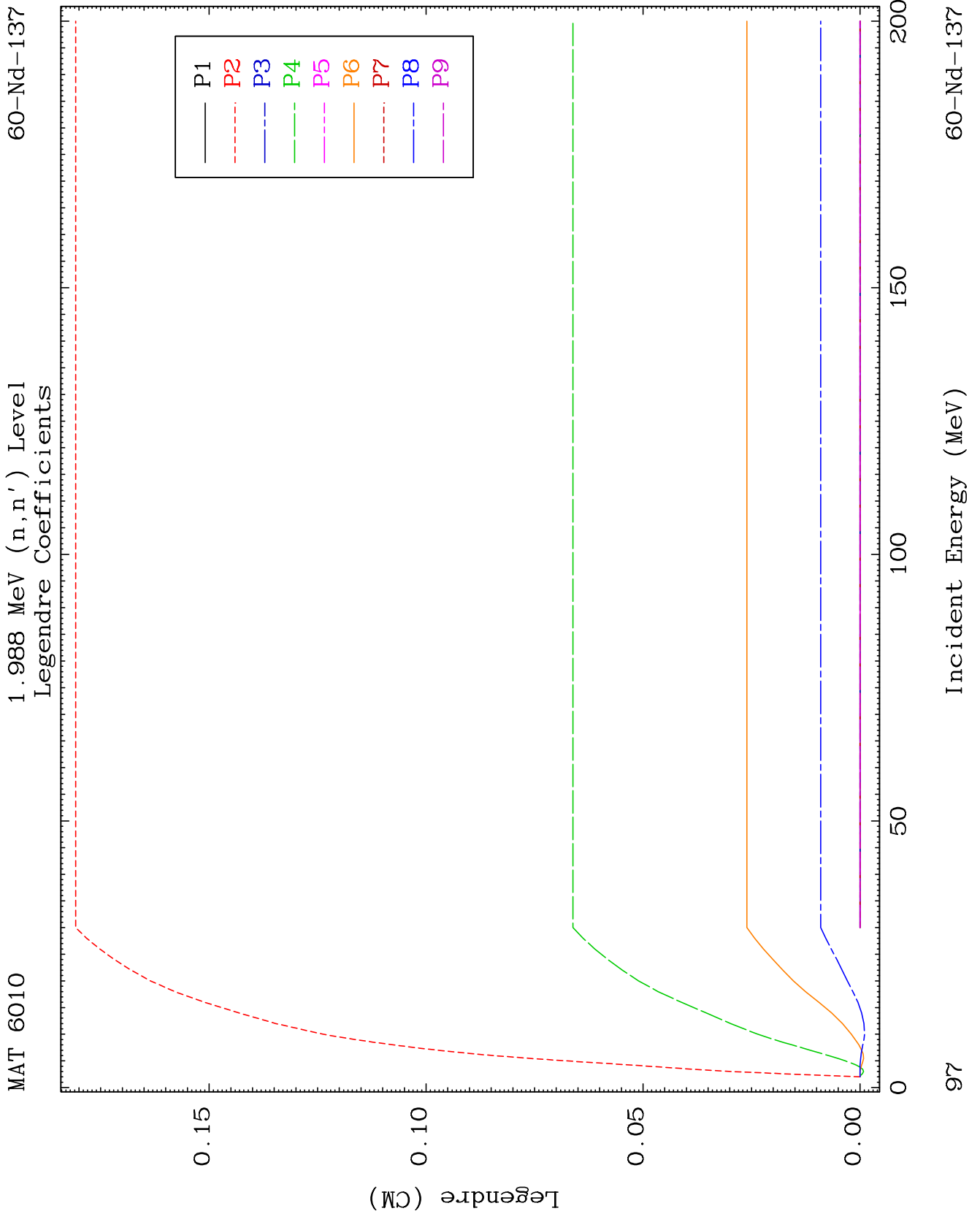
60-Nd-137

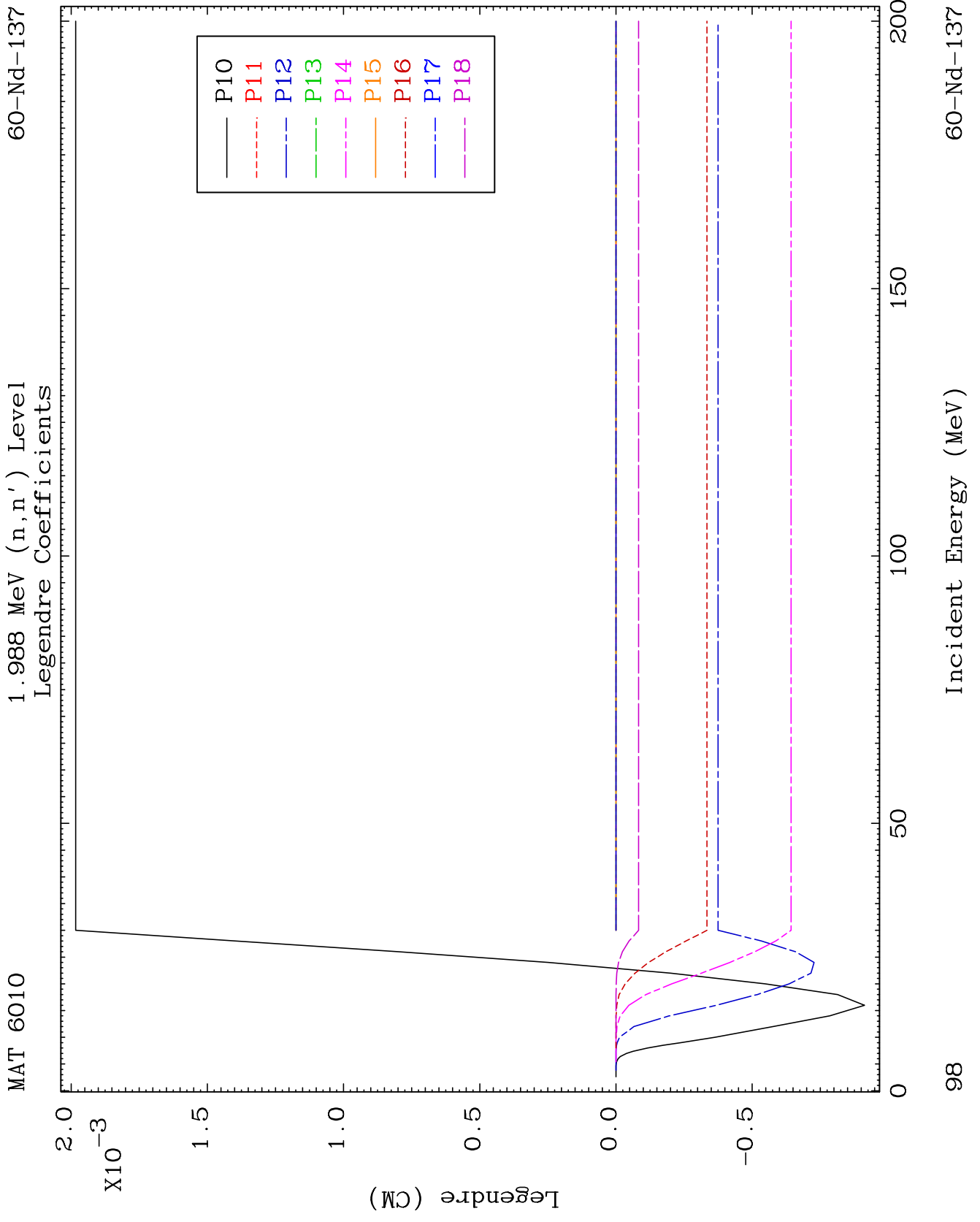


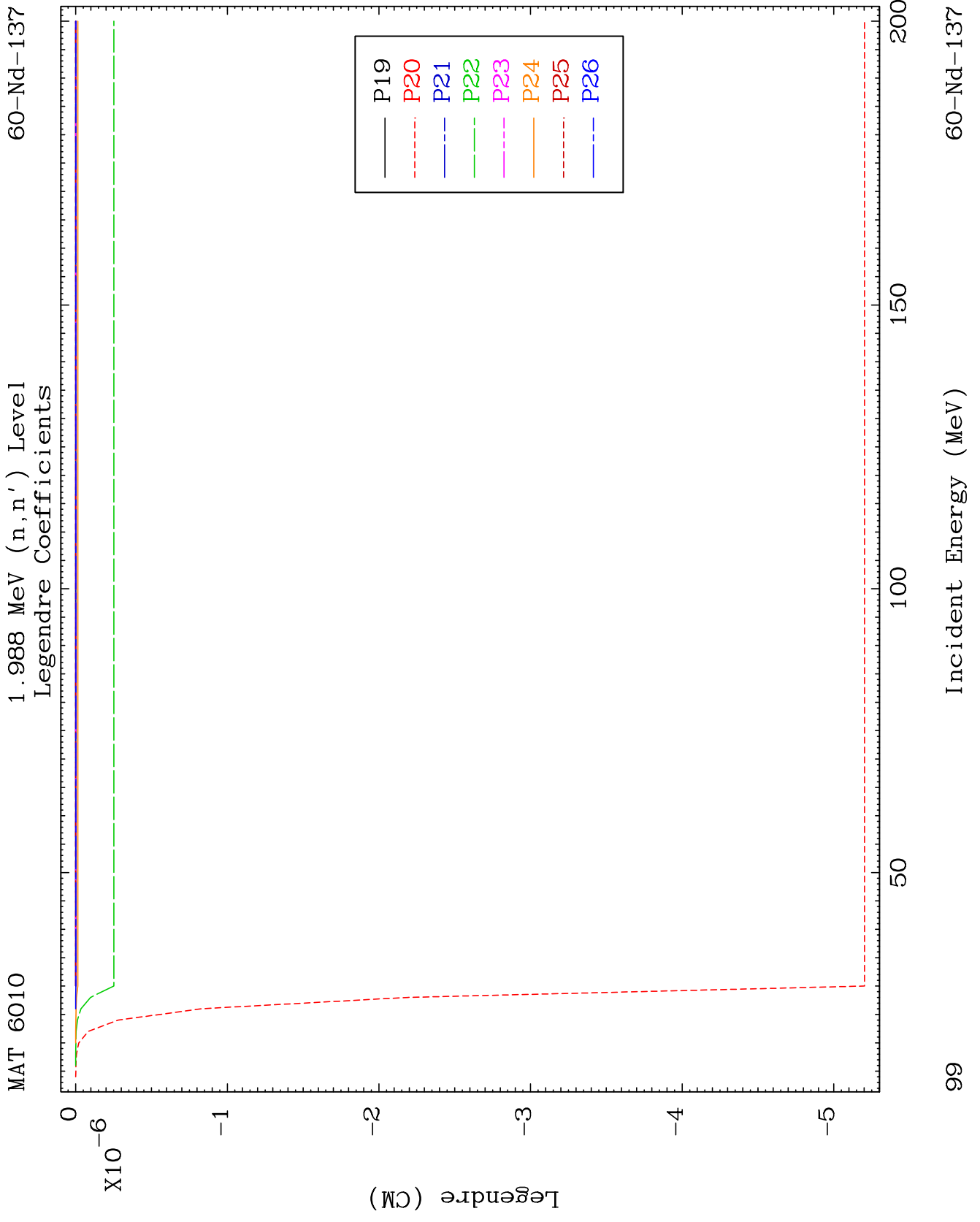


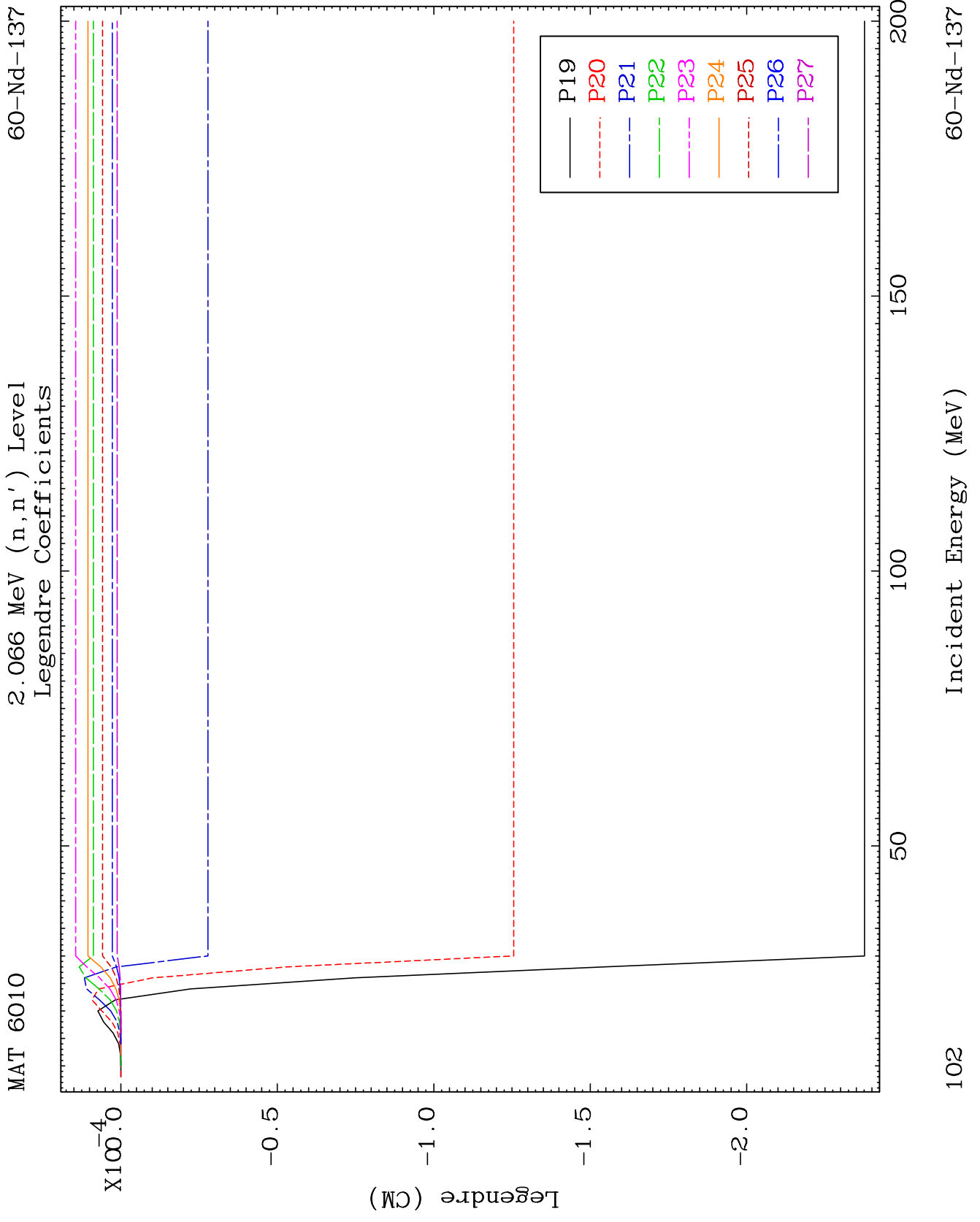


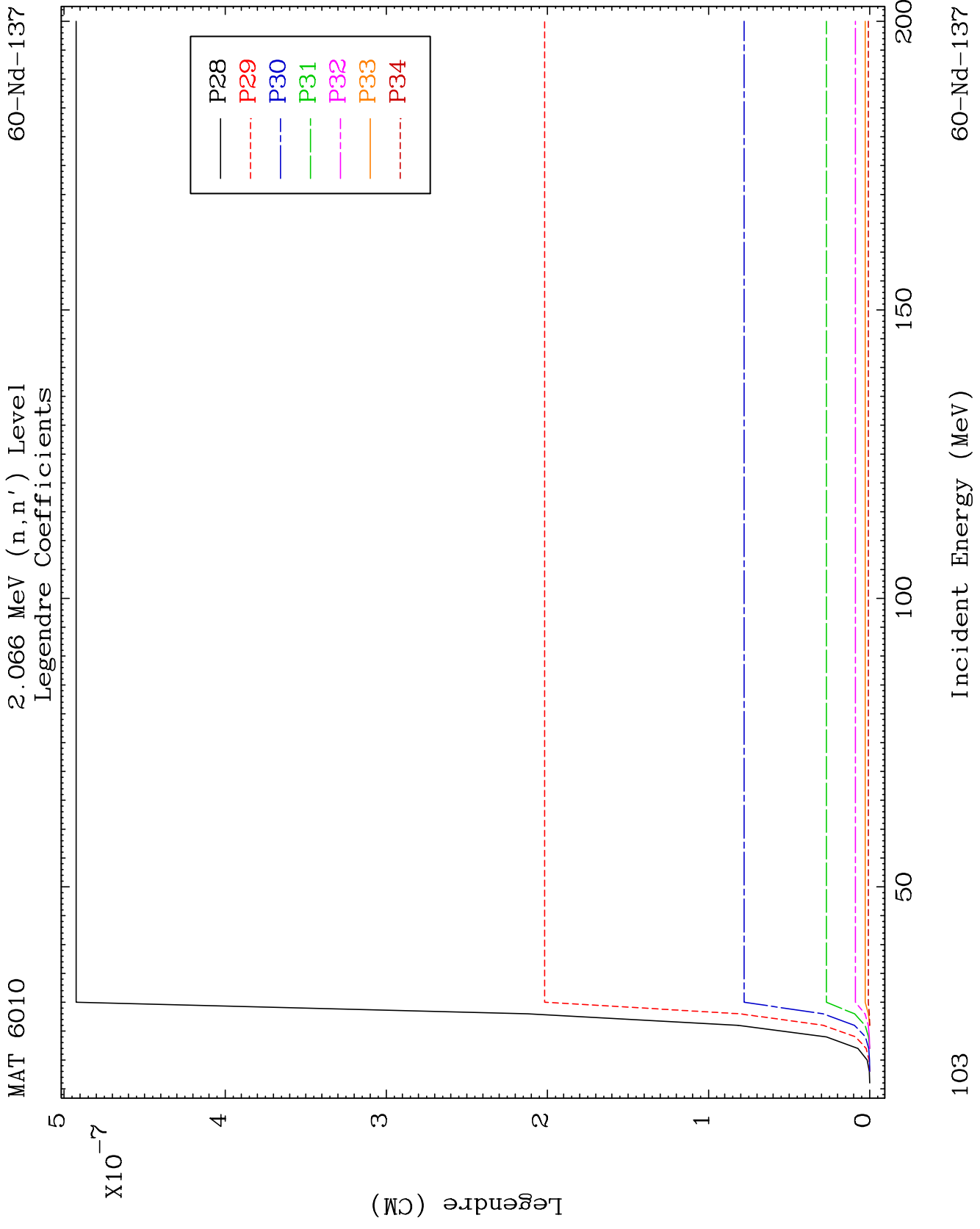


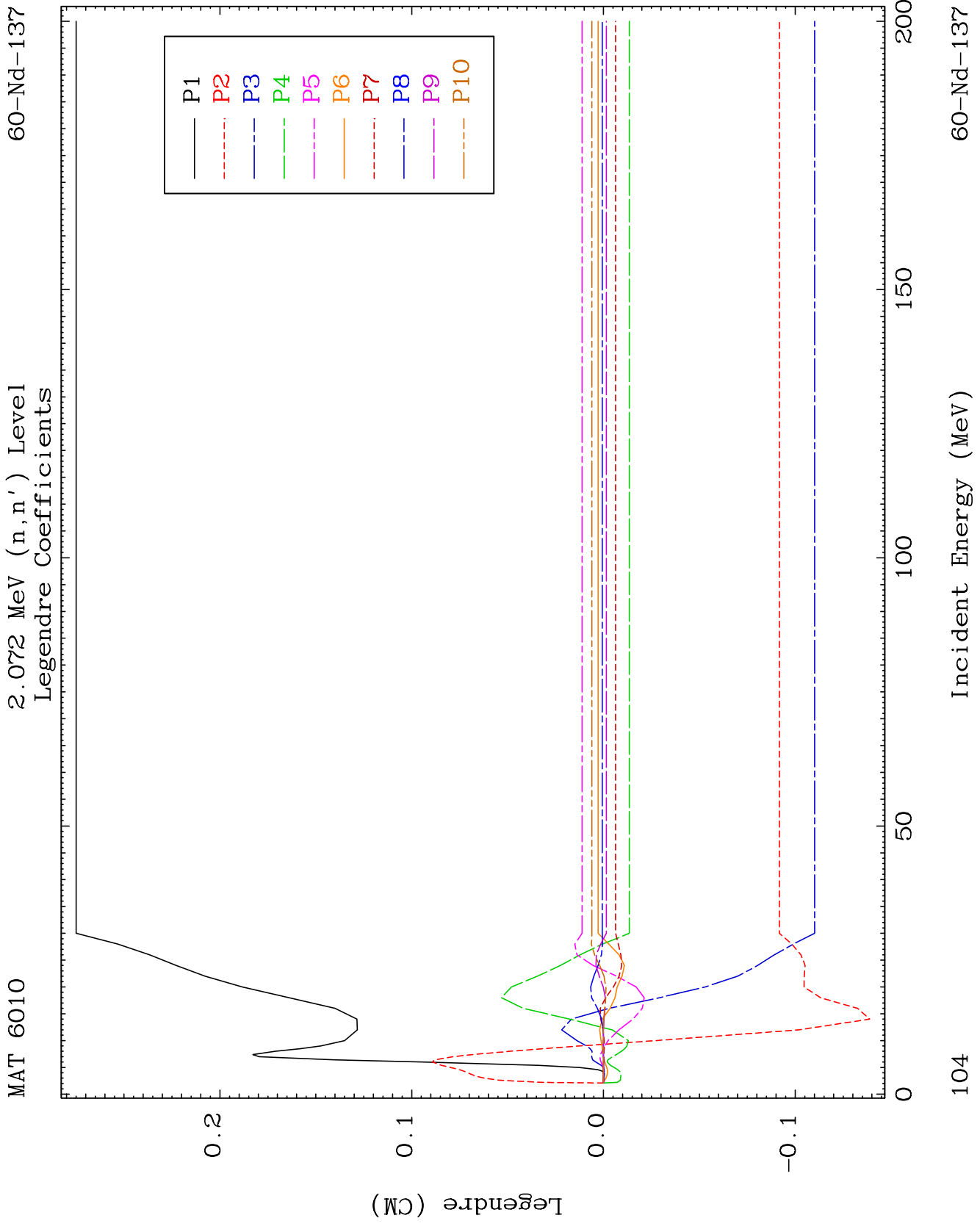


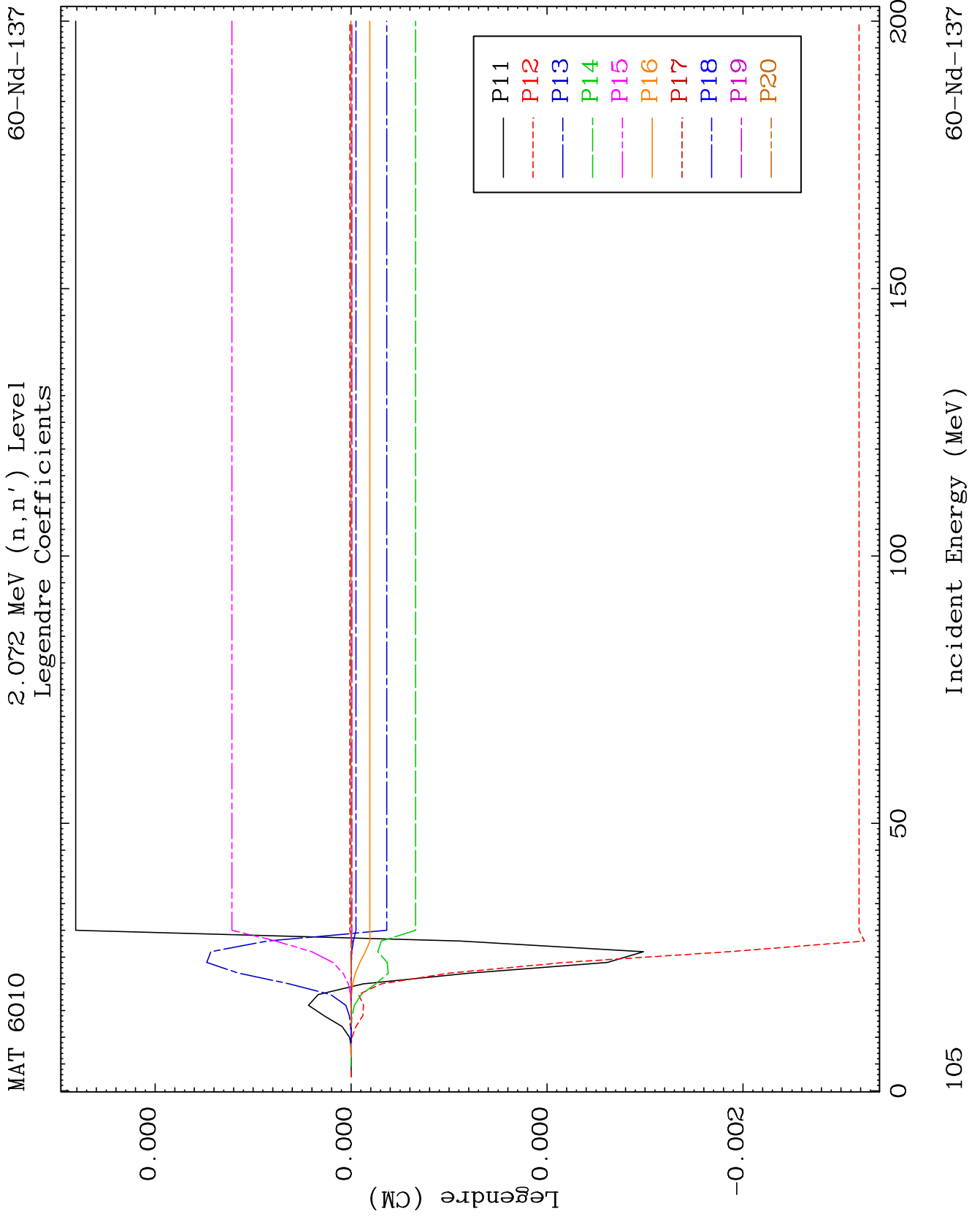


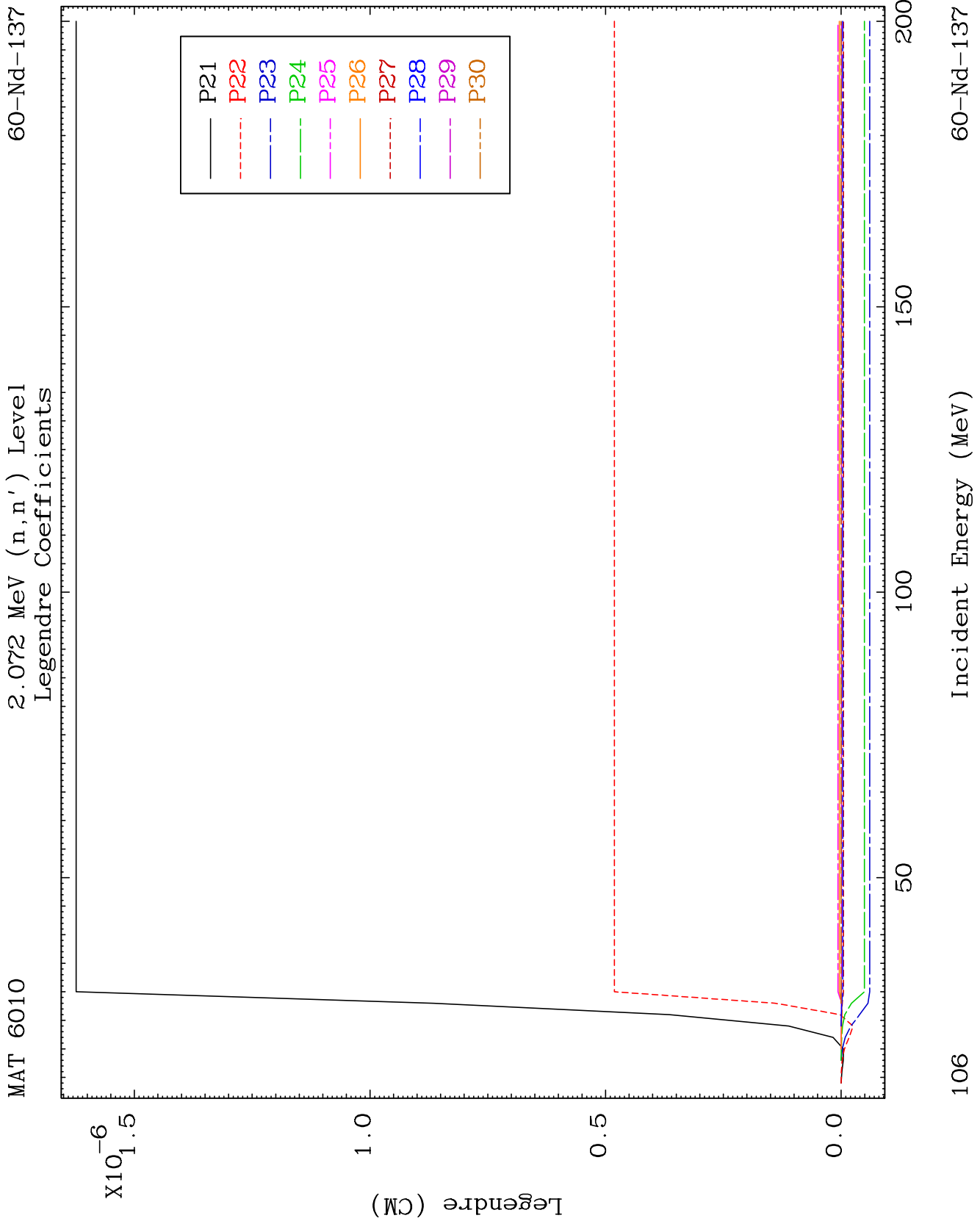


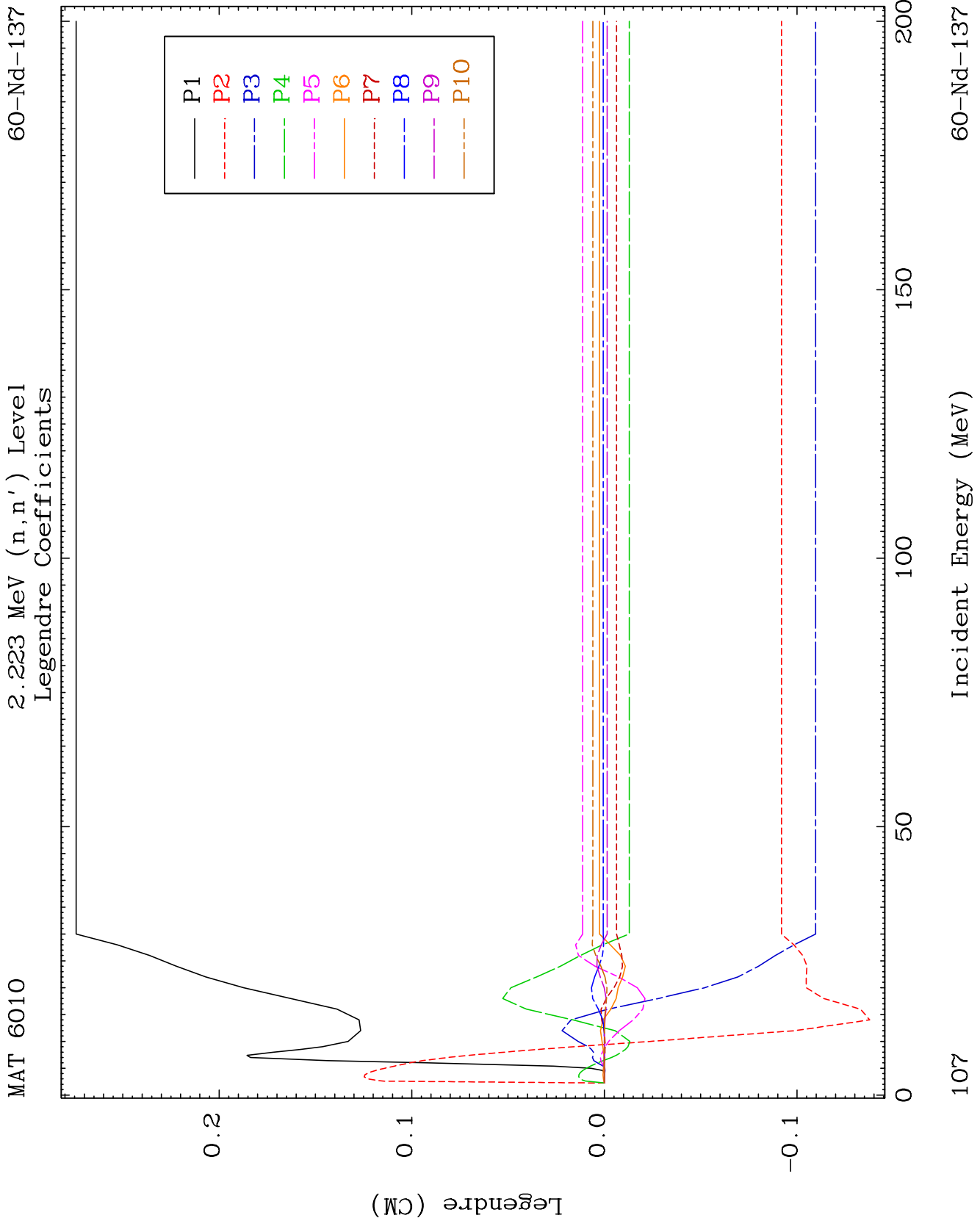








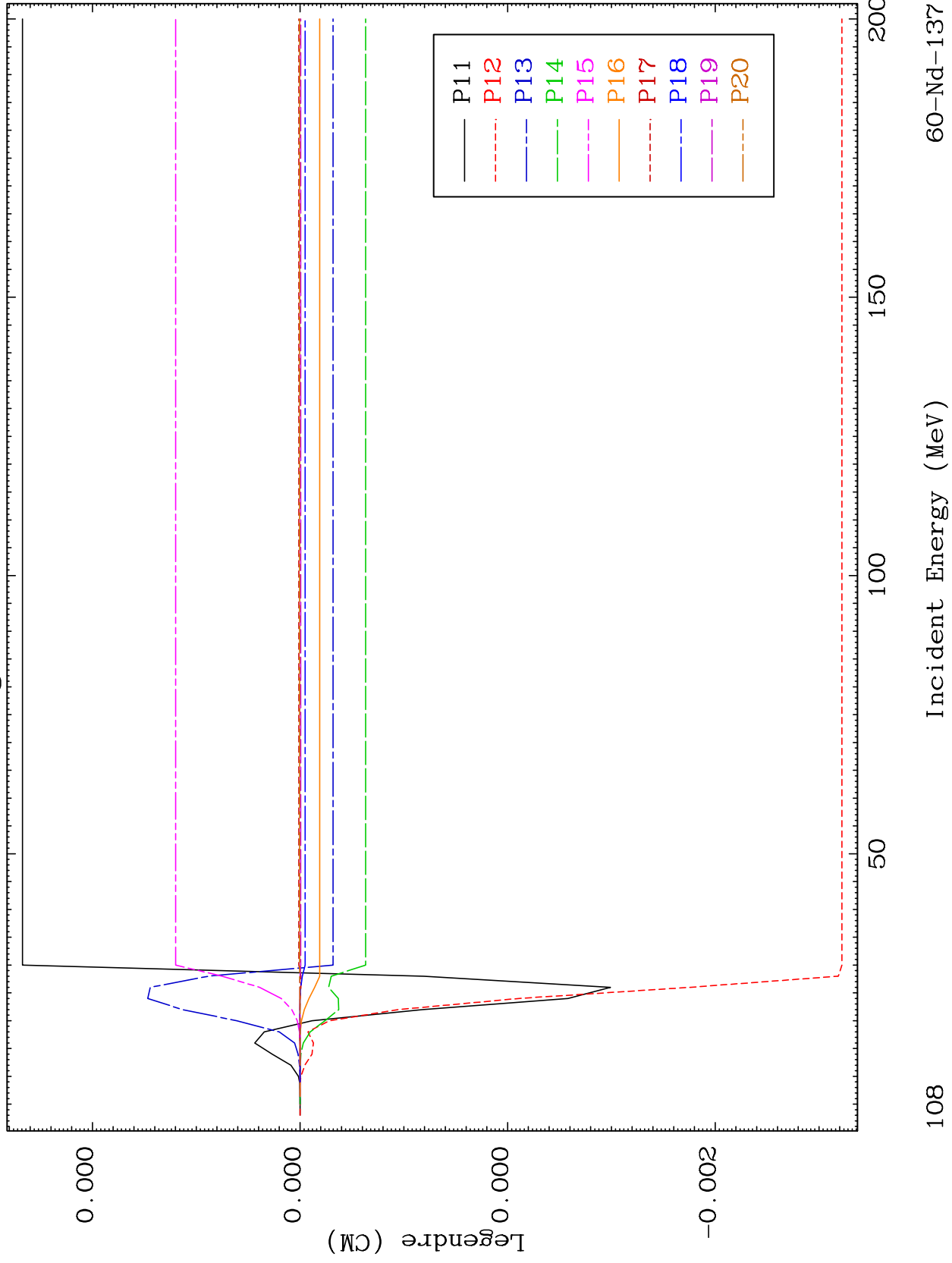




MAT 6010

2.223 MeV (n,n') Level
Legendre Coefficients

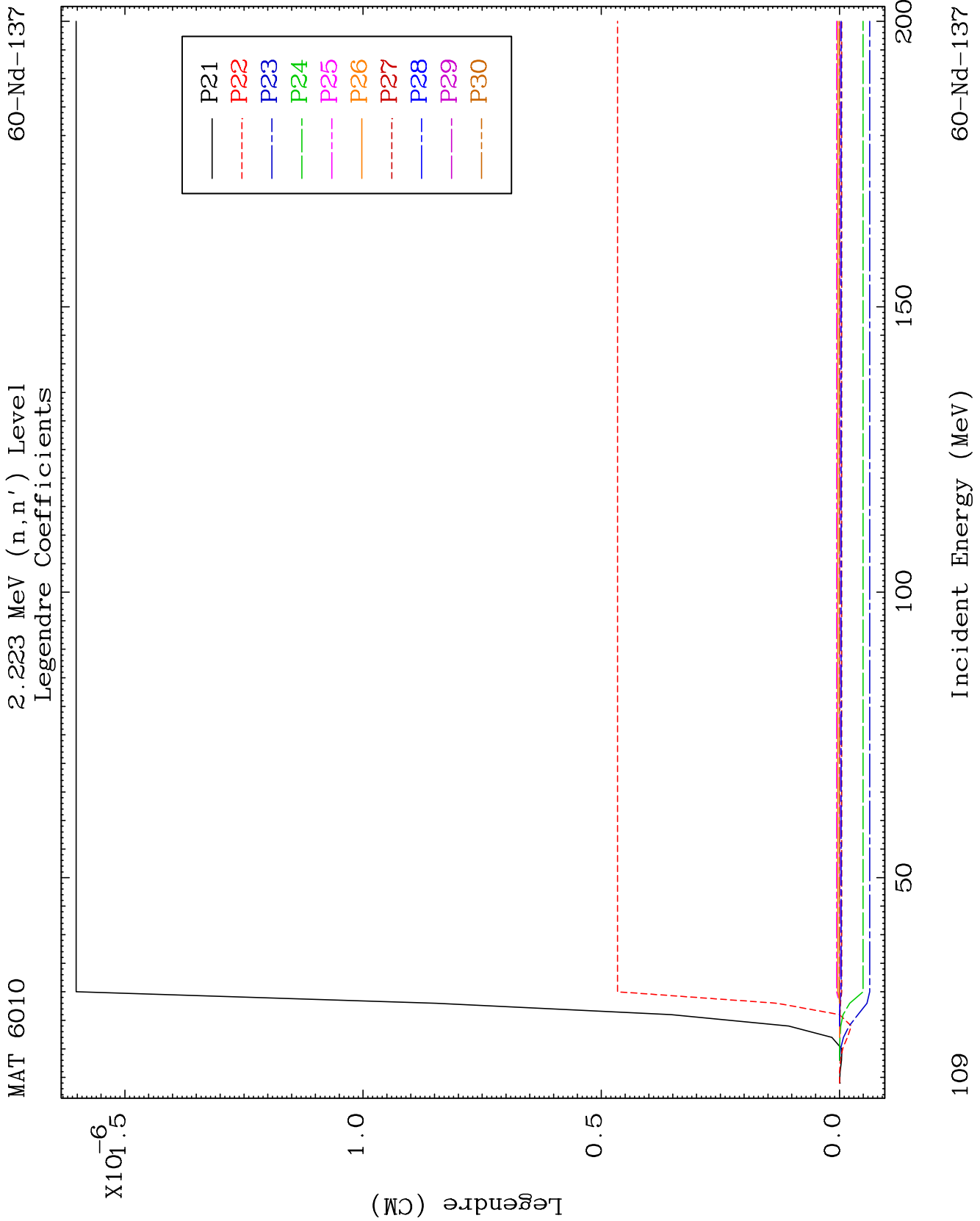
60-Nd-137

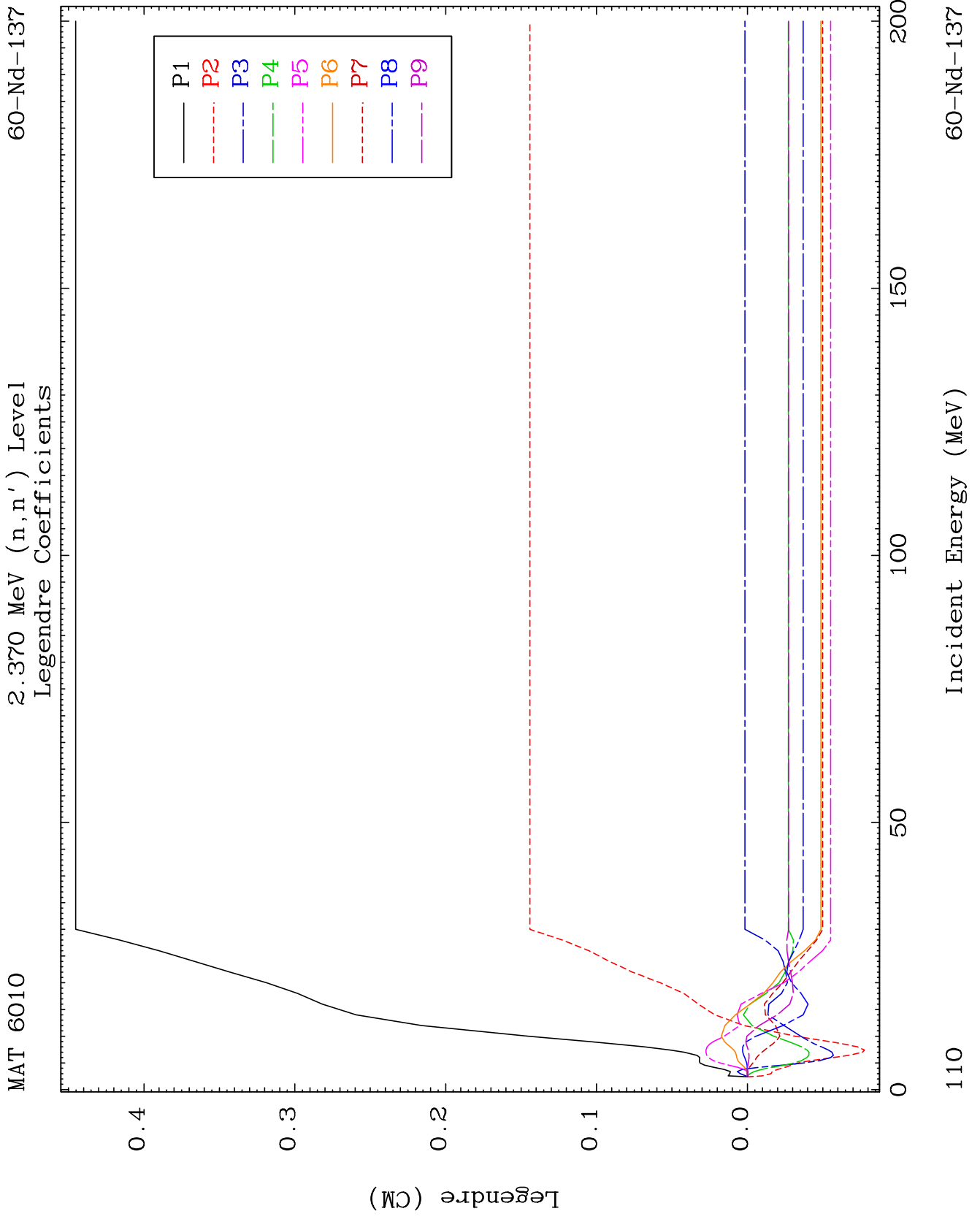


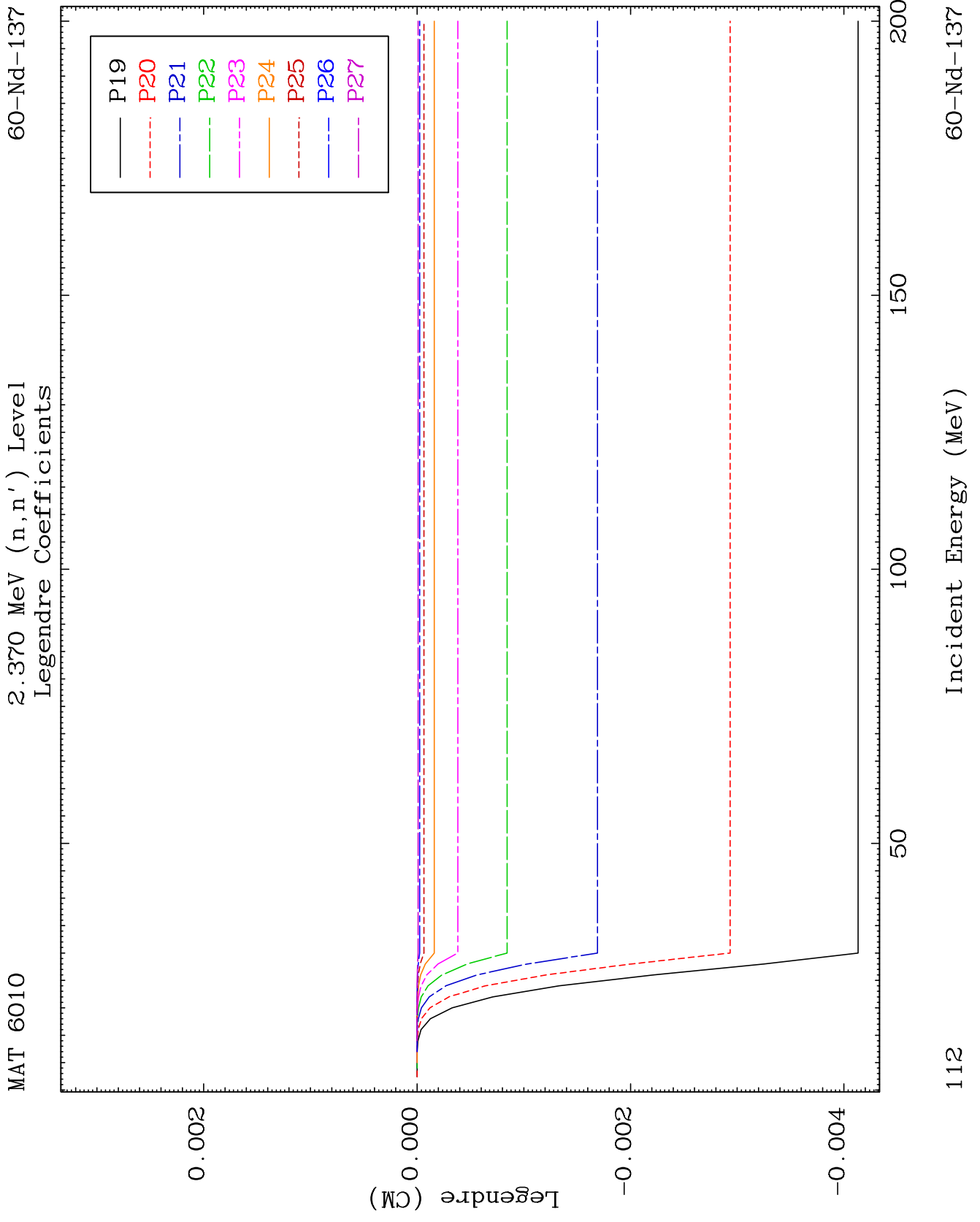
108

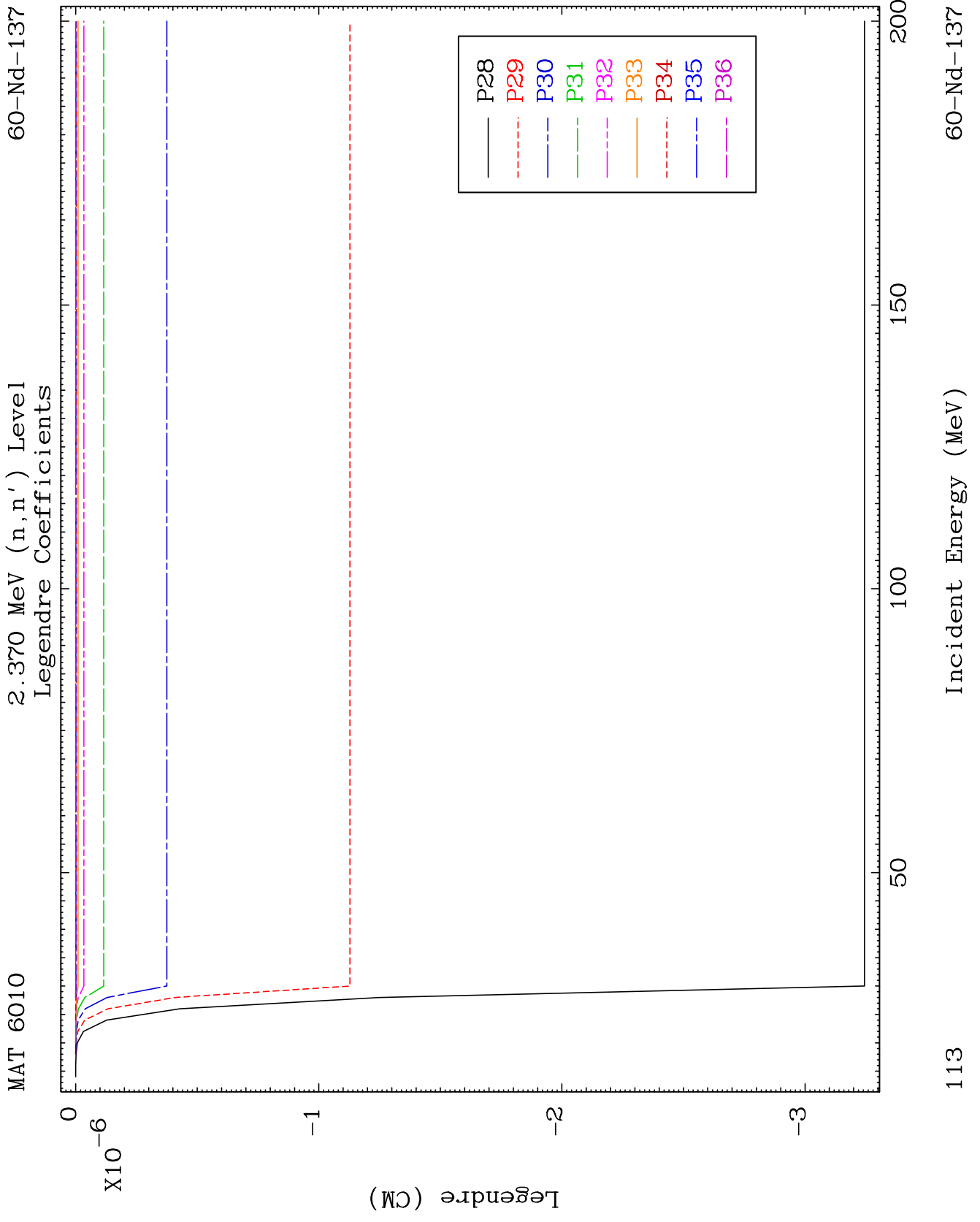
Incident Energy (MeV)

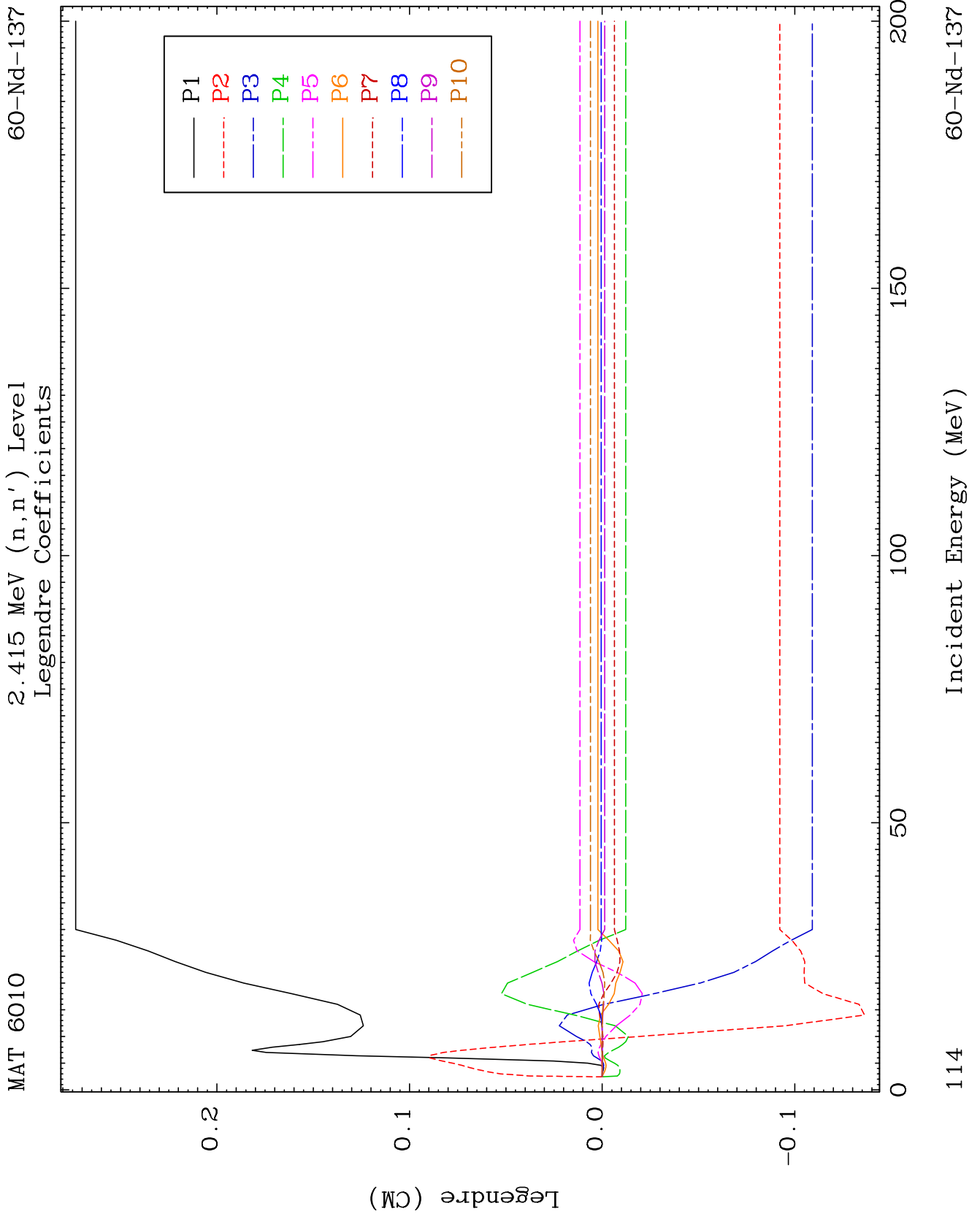
60-Nd-137

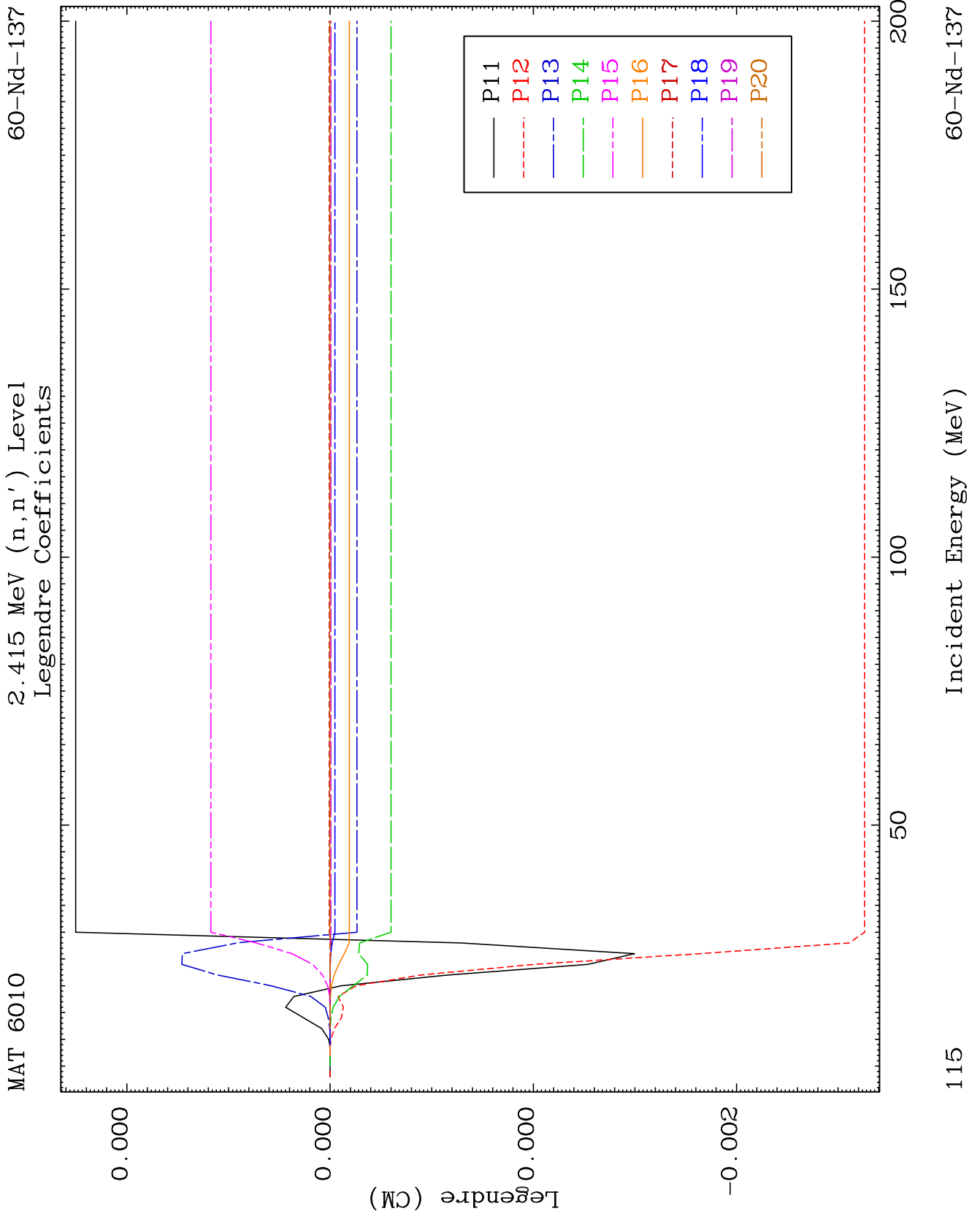


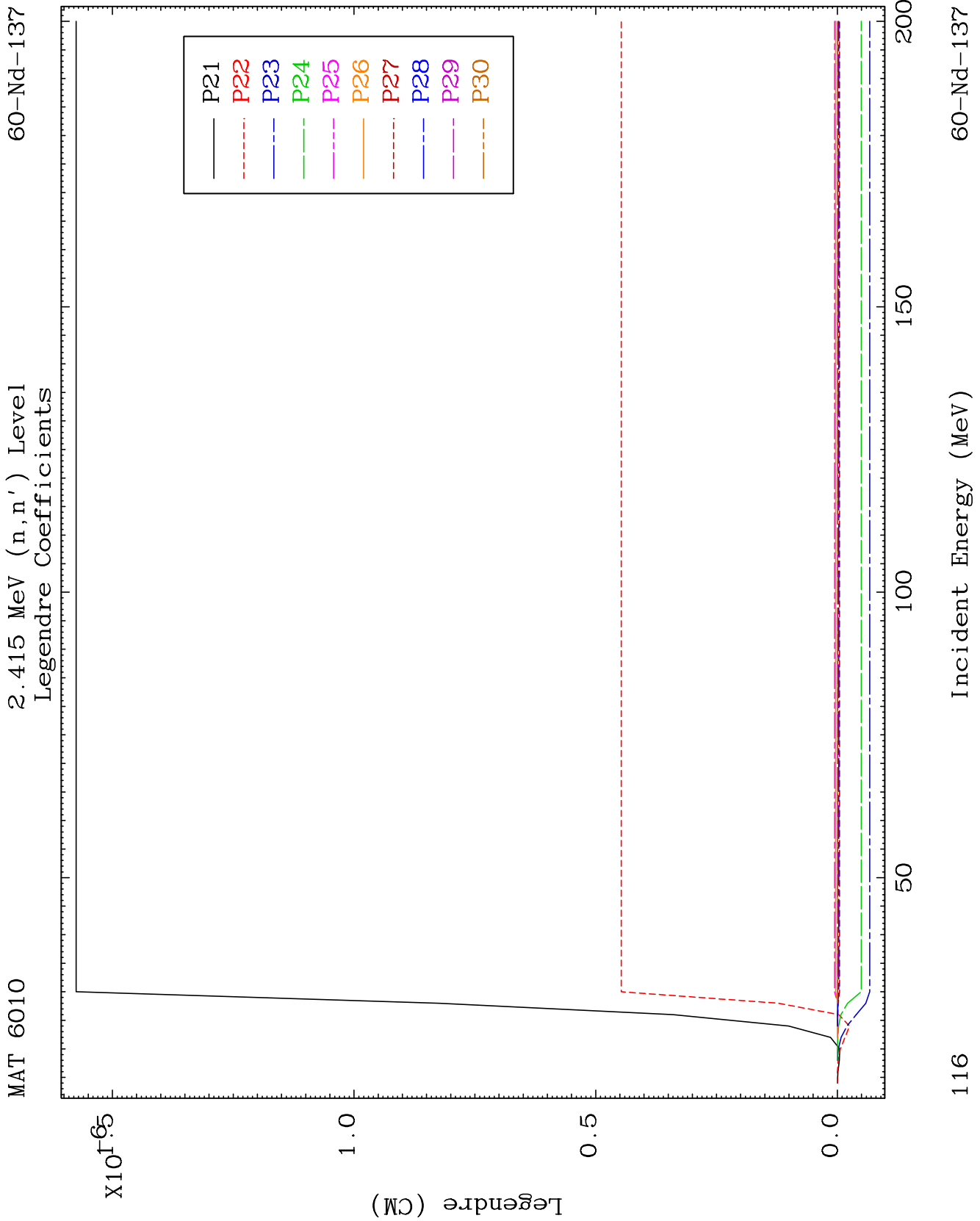


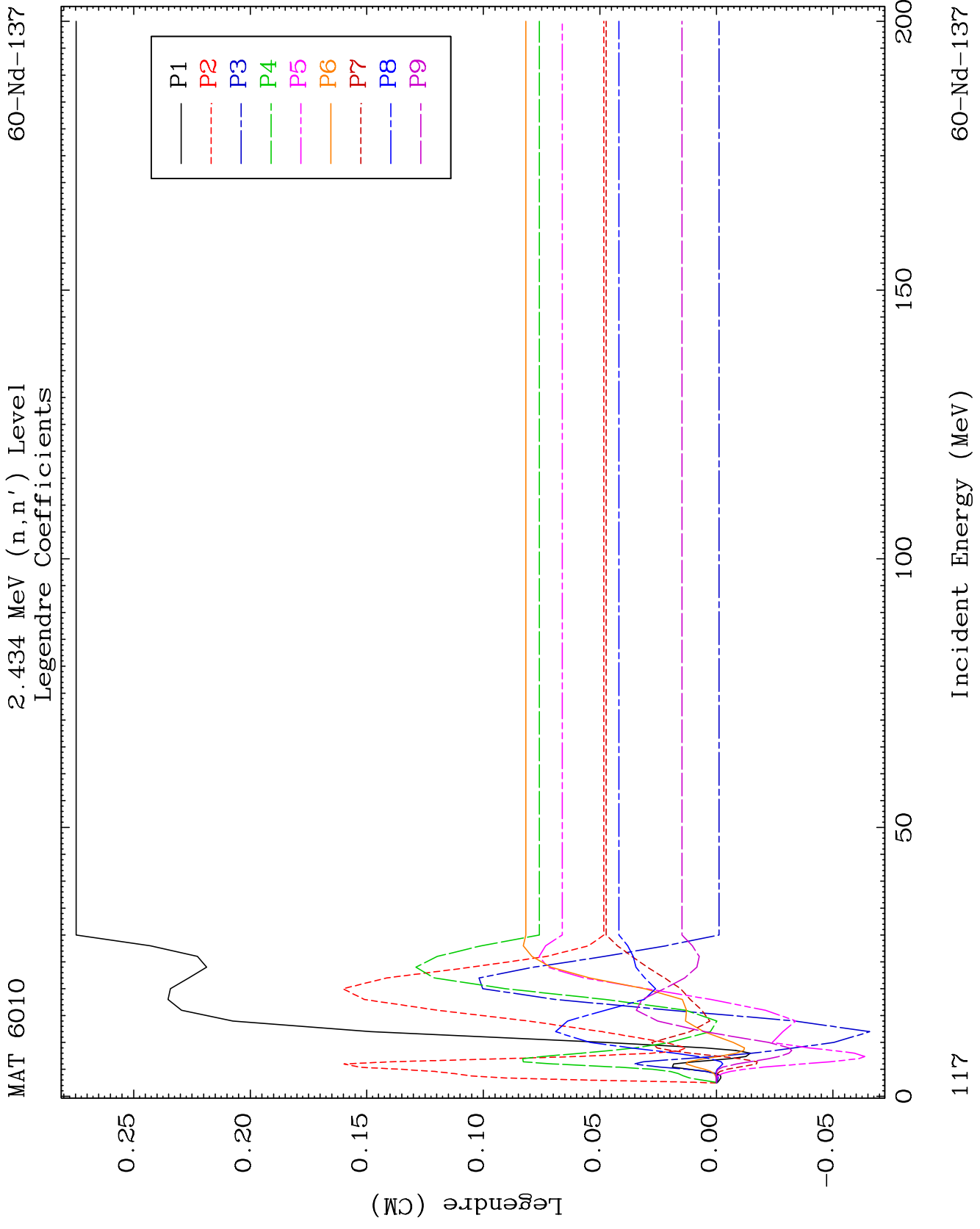


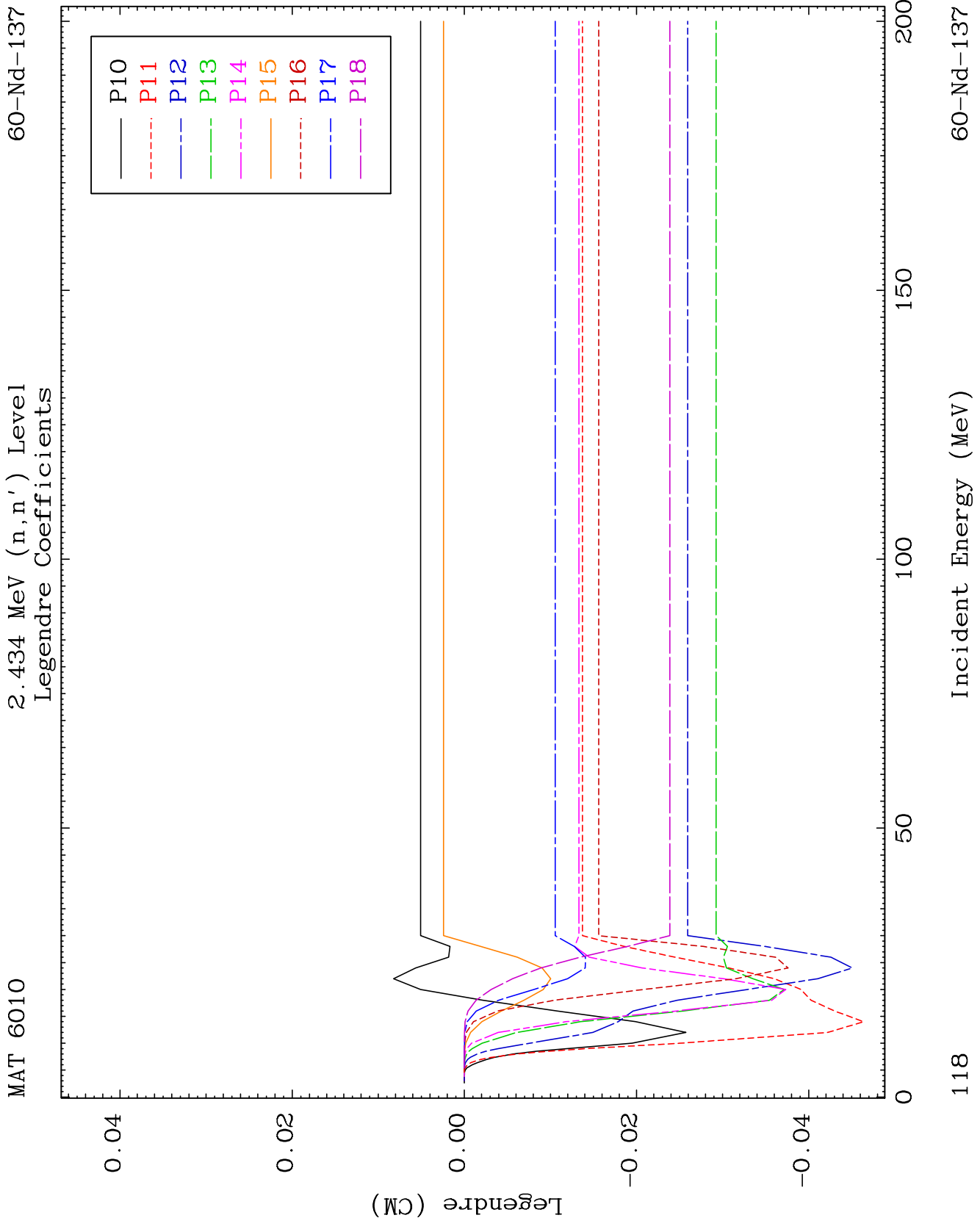


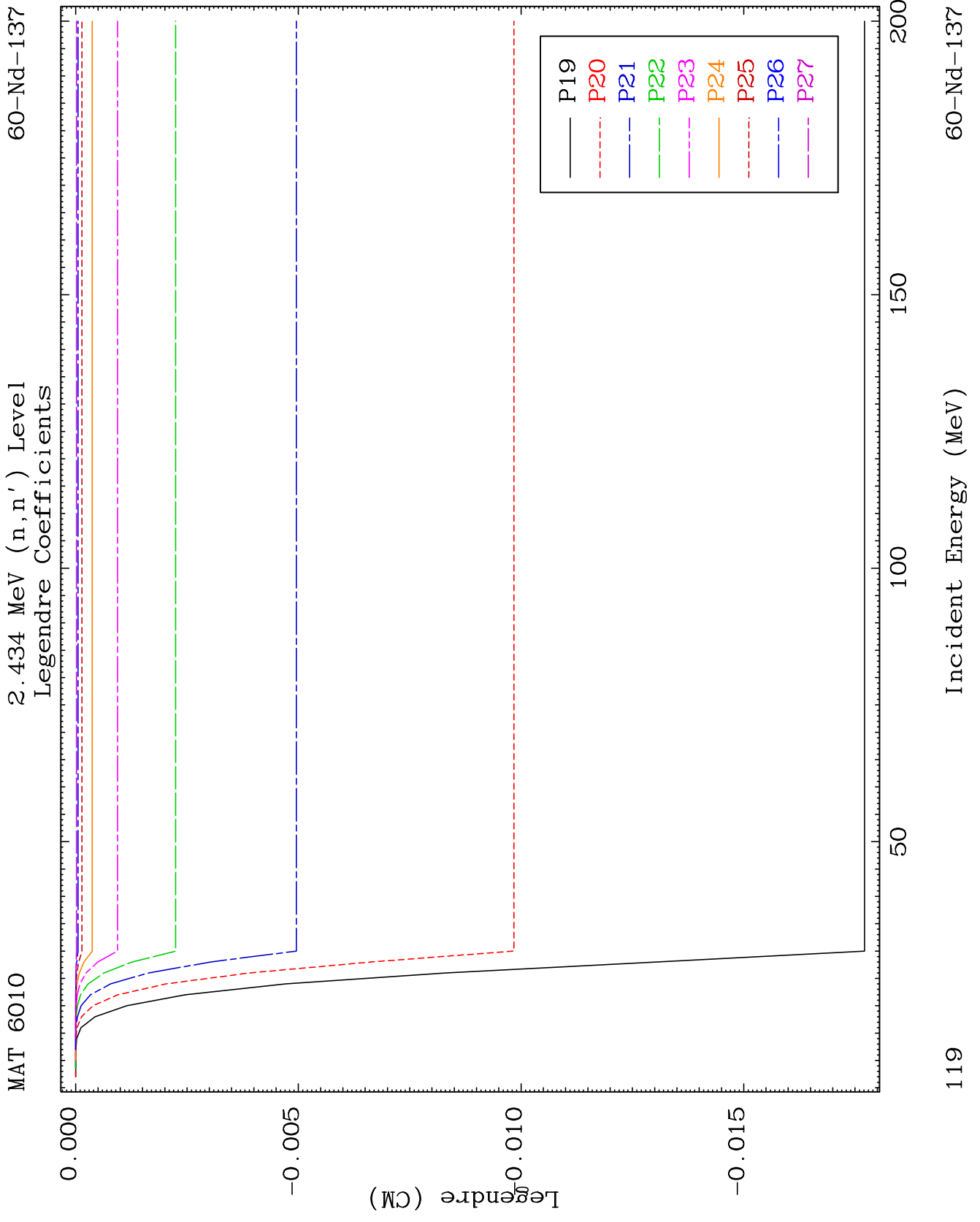


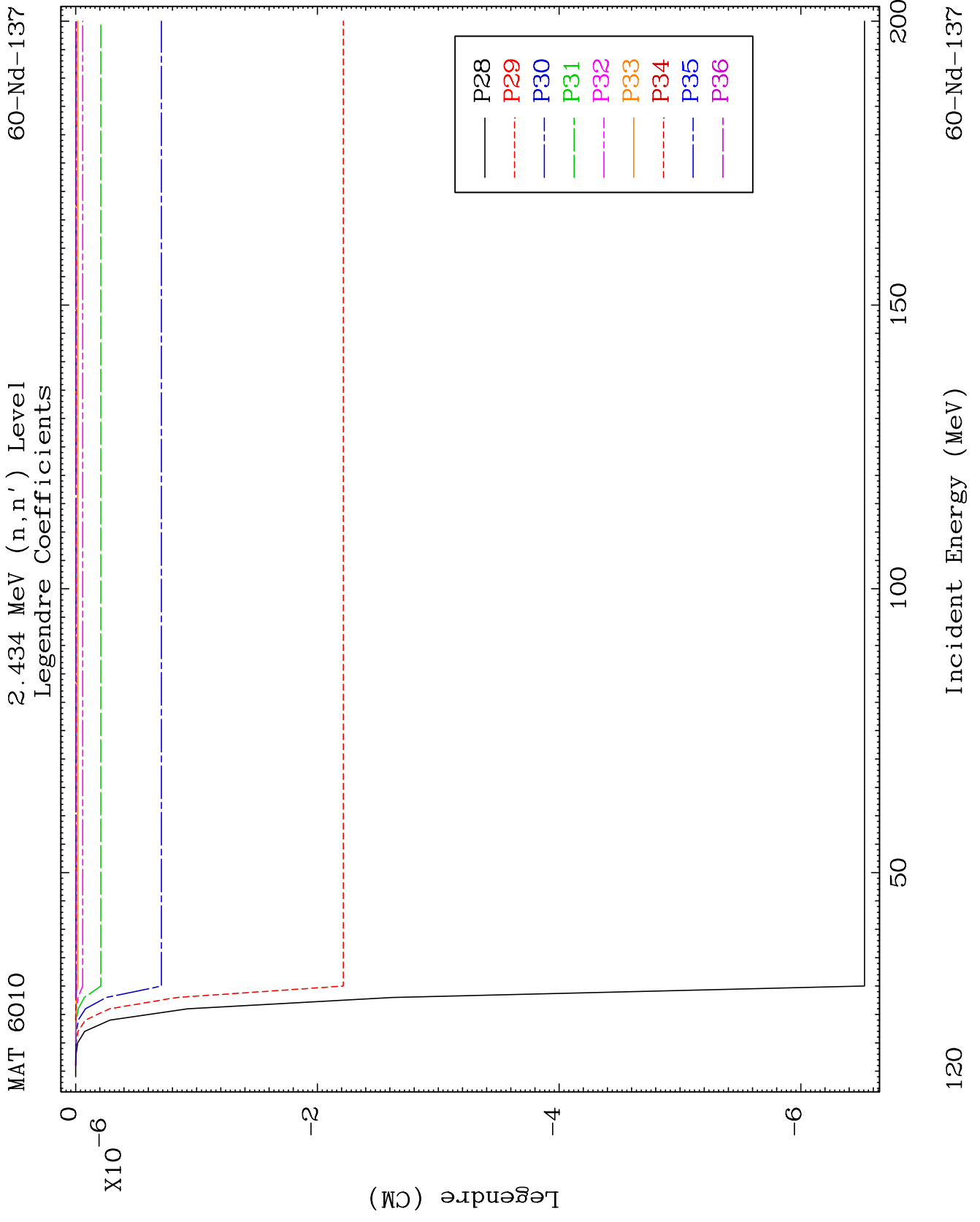








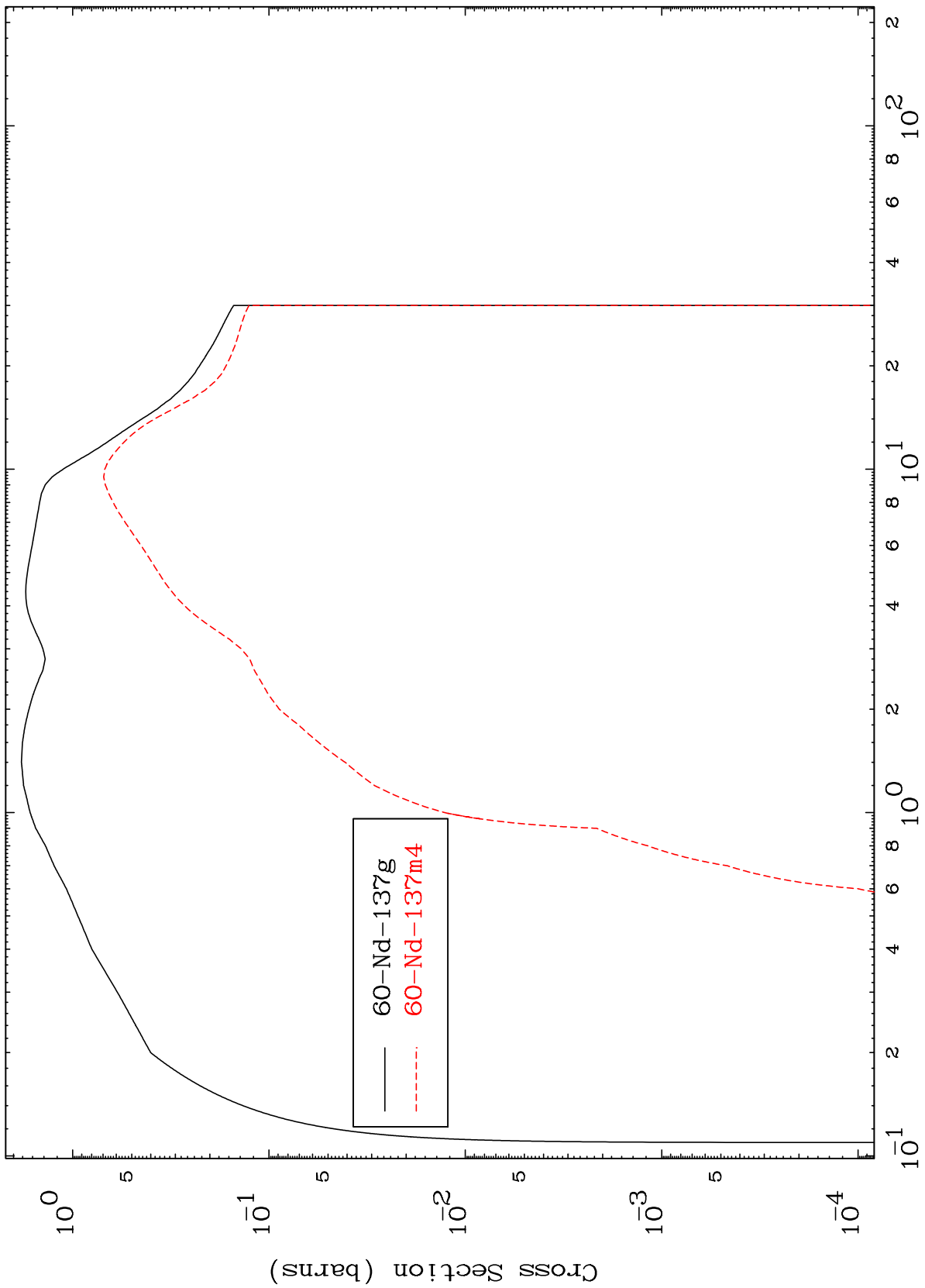




MAT 6010

60-Nd-137

Inelastic
Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

60-Nd-137

Incident Energy (MeV)

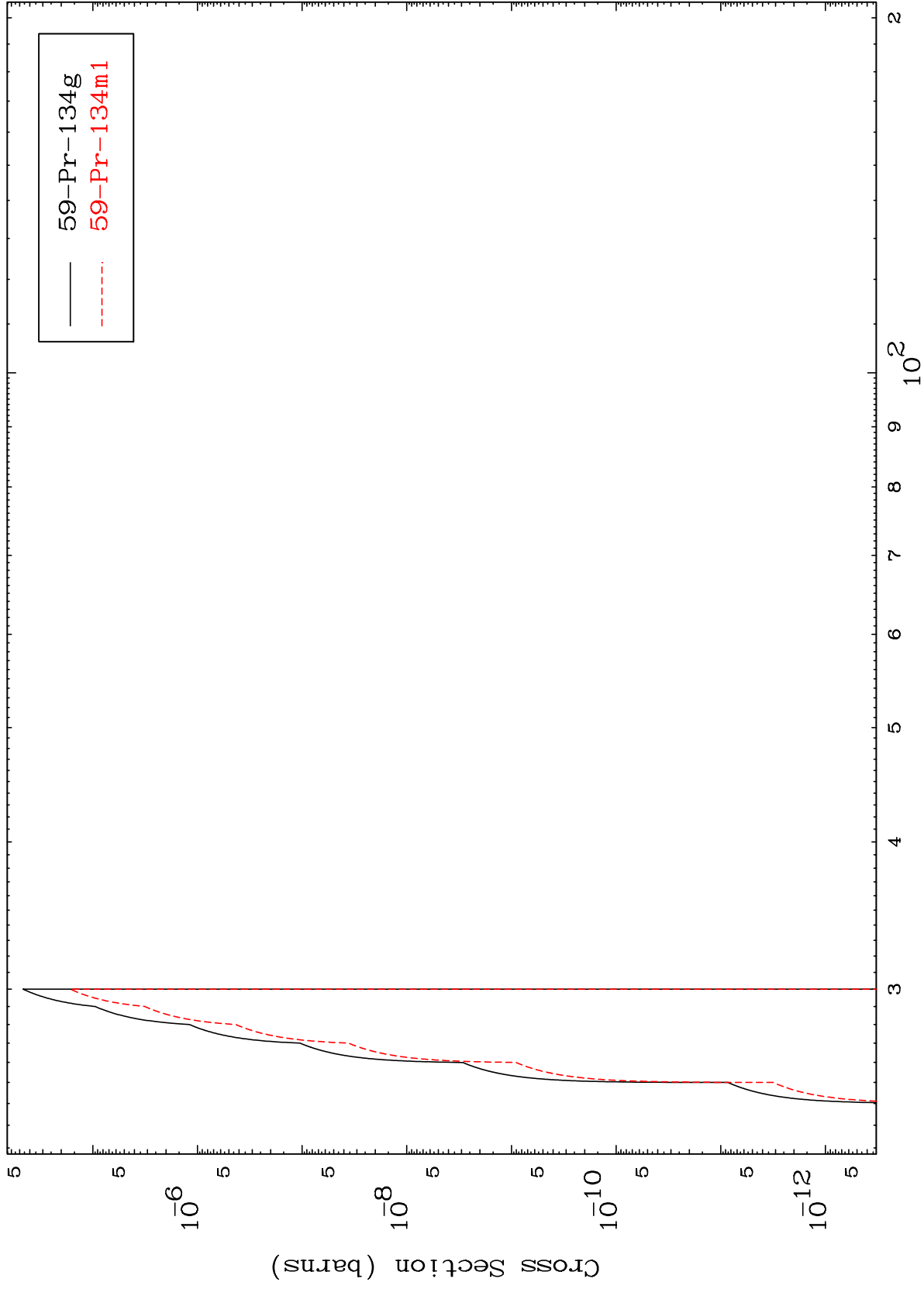
121

MAT 6010

(n,2n) d

60-Nd-137

Radionuclide Production Cross Section



122

Incident Energy (MeV)

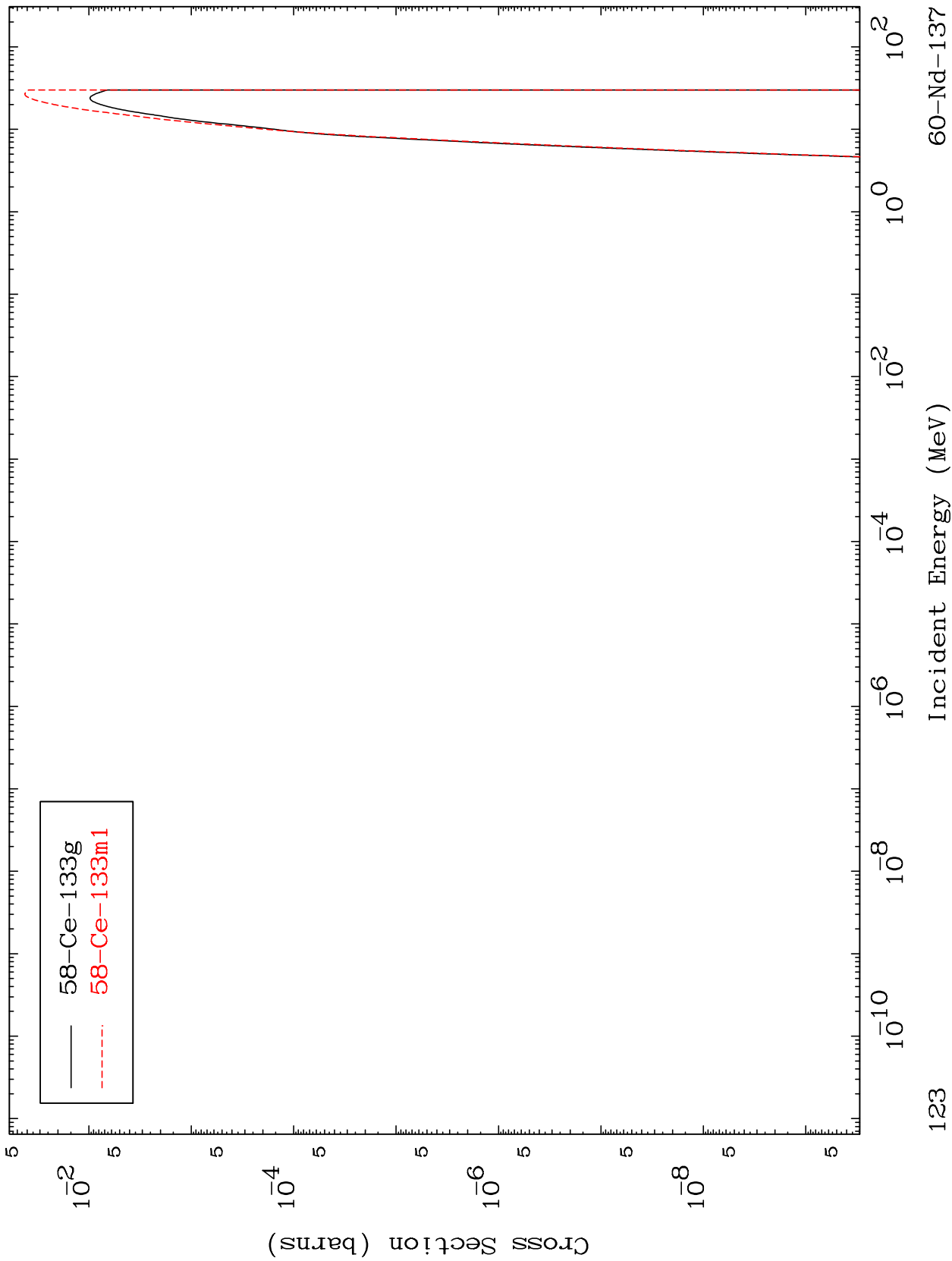
60-Nd-137

MAT 6010

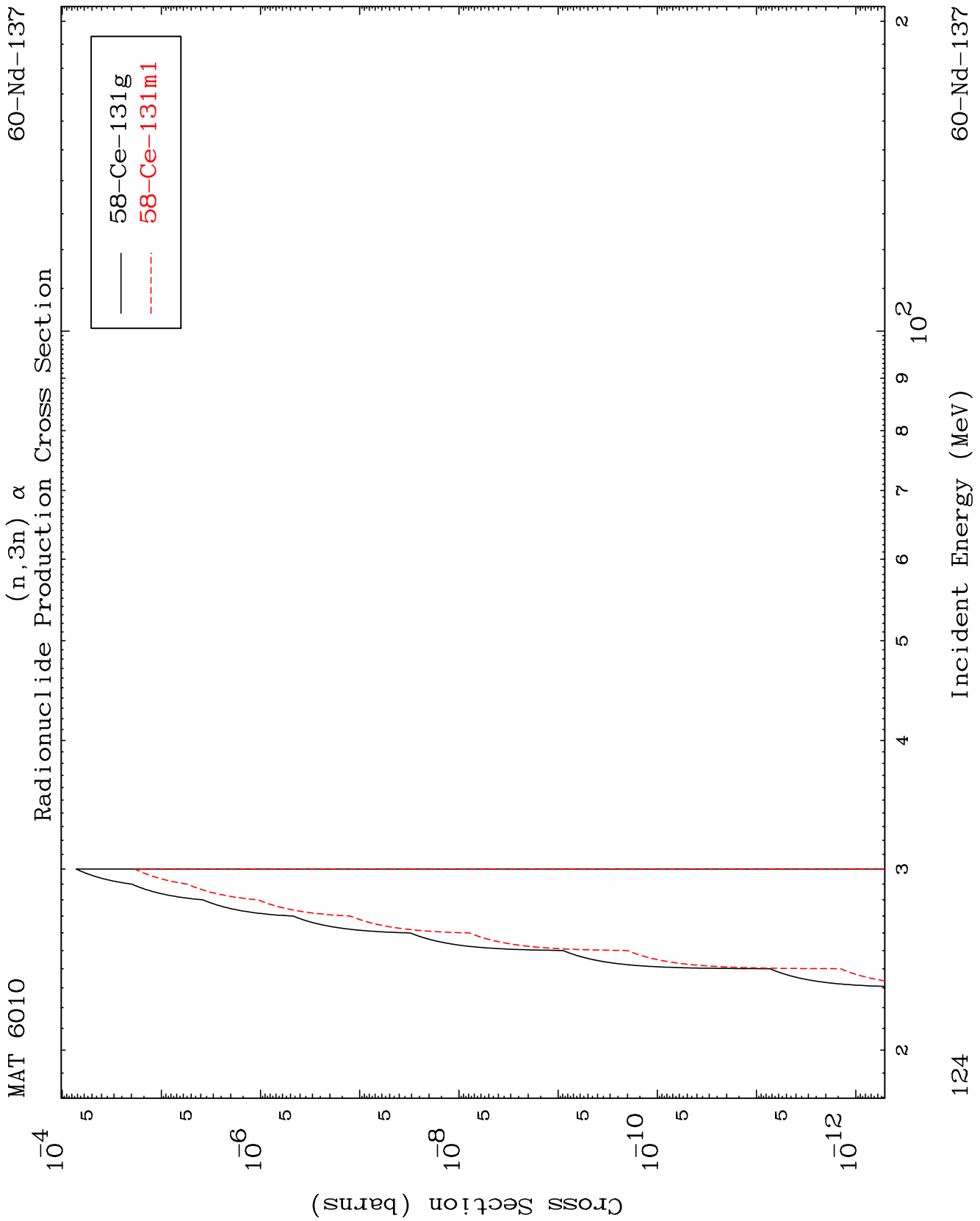
(n, n') α

$^{60}\text{Nd-137}$

Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

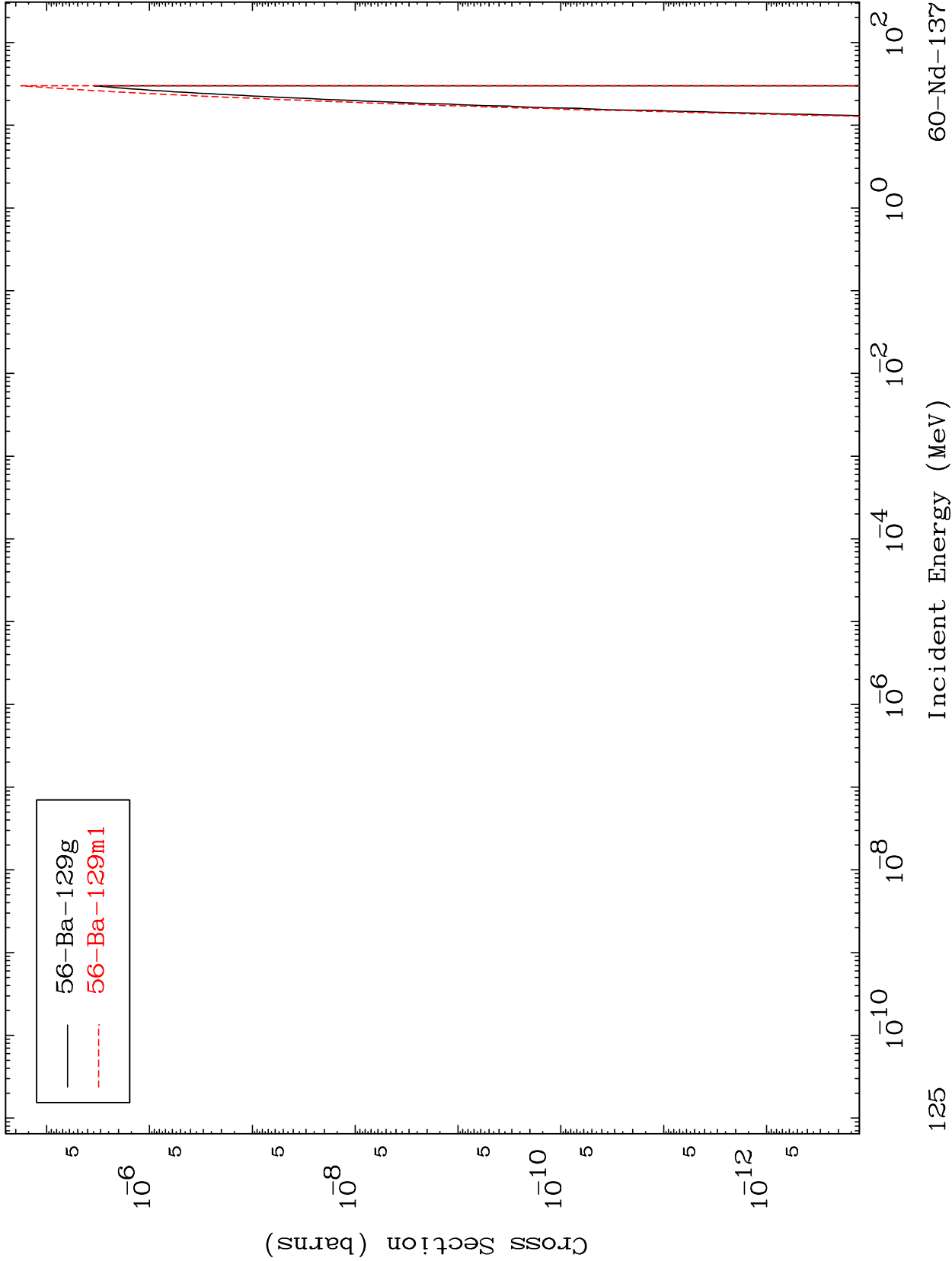


MAT 6010

(n,n') 2 α

60-Nd-137

Radionuclide Production Cross Section



125

Incident Energy (MeV)

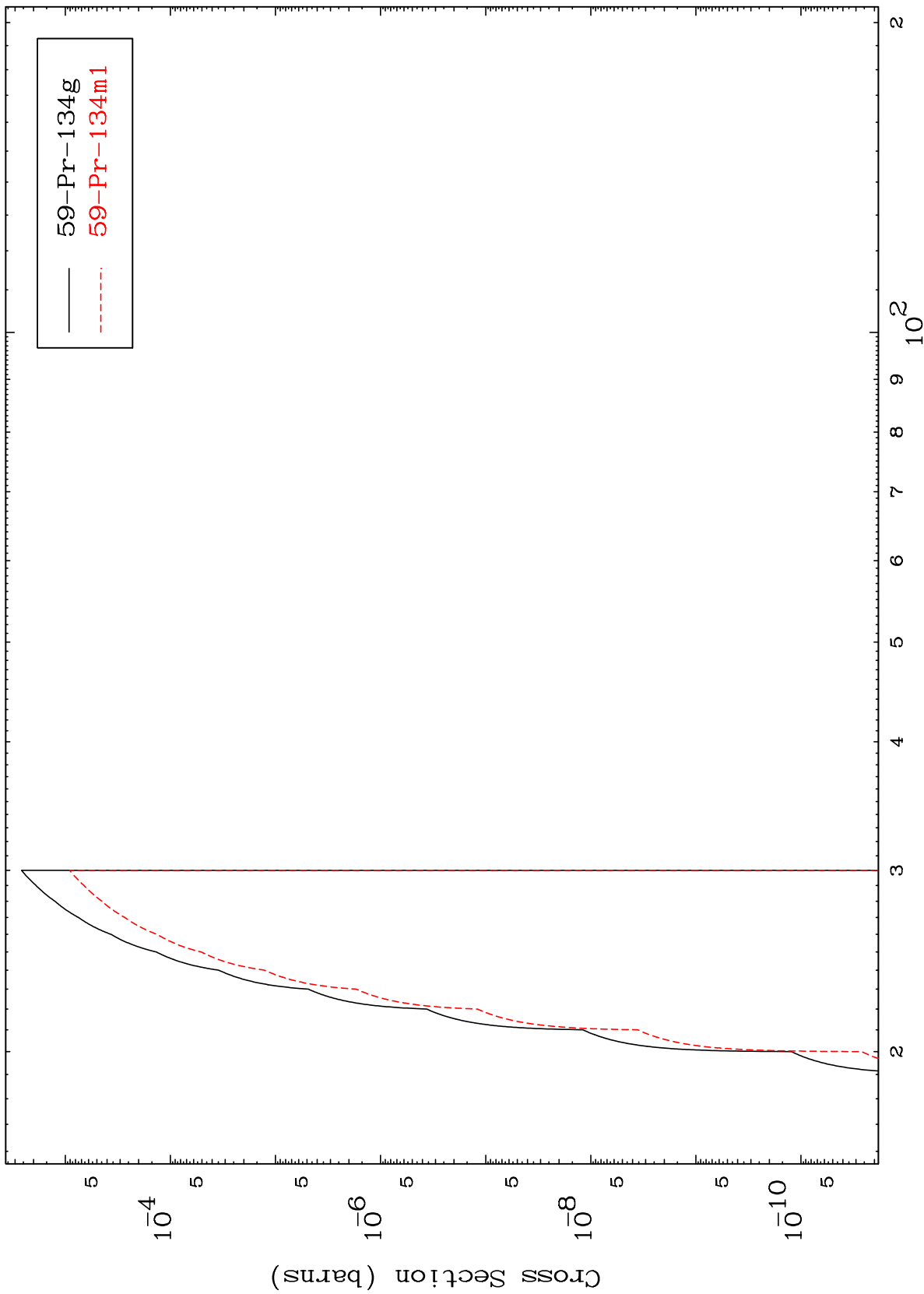
60-Nd-137

MAT 6010

(n, n') t

60-Nd-137

Radionuclide Production Cross Section



126

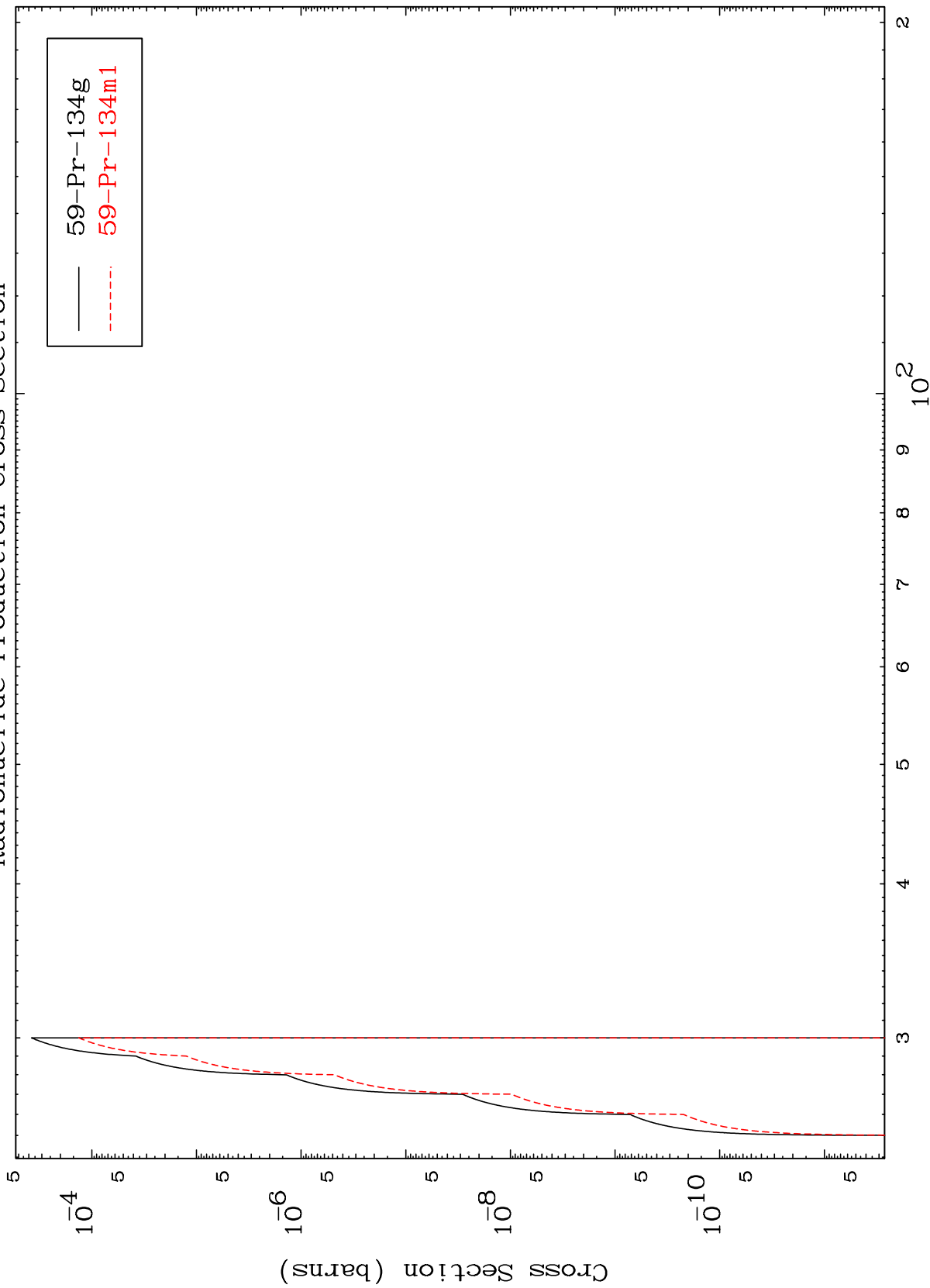
Incident Energy (MeV)

60-Nd-137

MAT 6010

60-Nd-137

(n,3n) p
Radionuclide Production Cross Section



59-Pr-134g
59-Pr-134m1

127

60-Nd-137

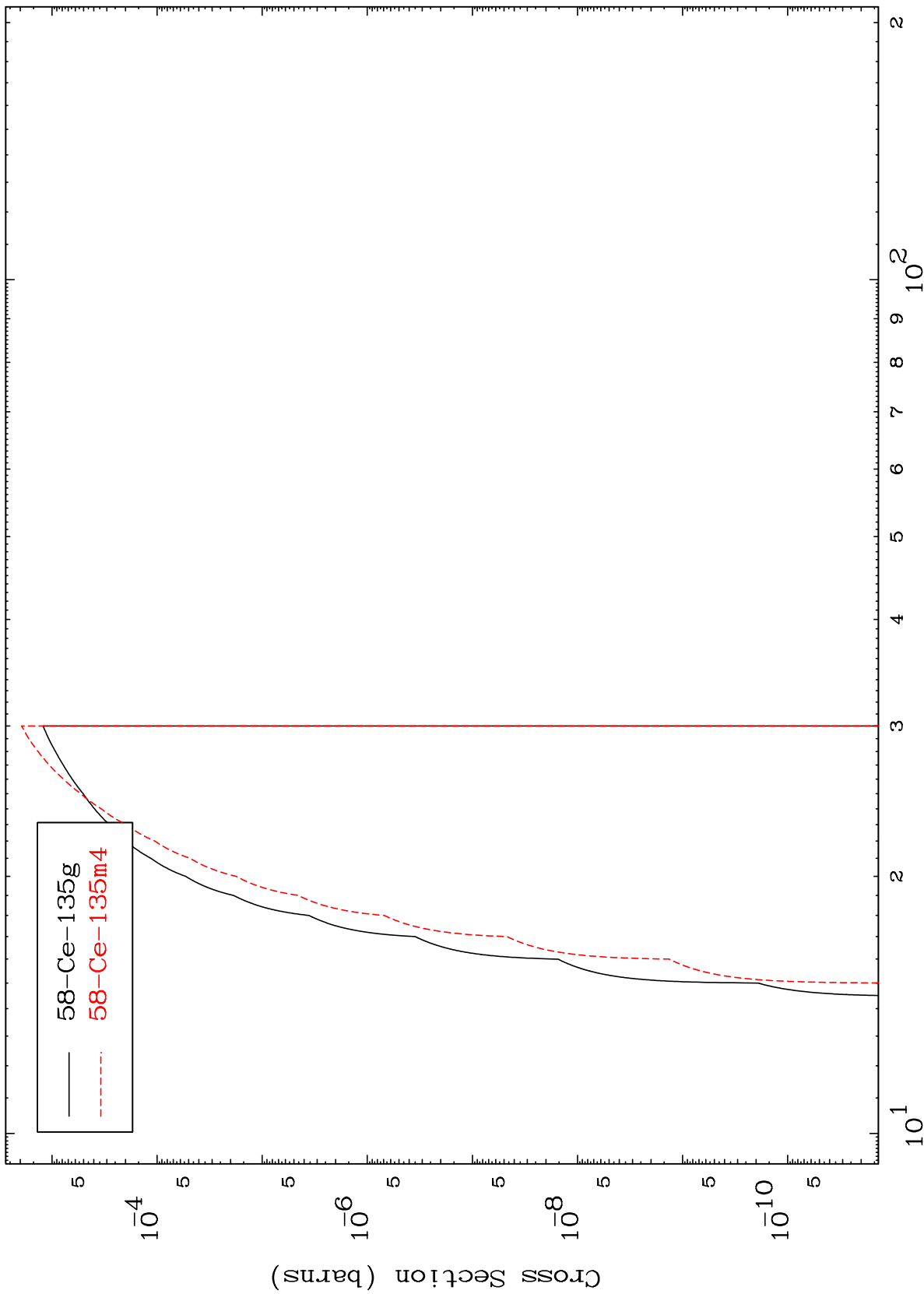
Incident Energy (MeV)

MAT 6010

(n,2n) p

60-Nd-137

Radionuclide Production Cross Section



Incident Energy (MeV)

60-Nd-137

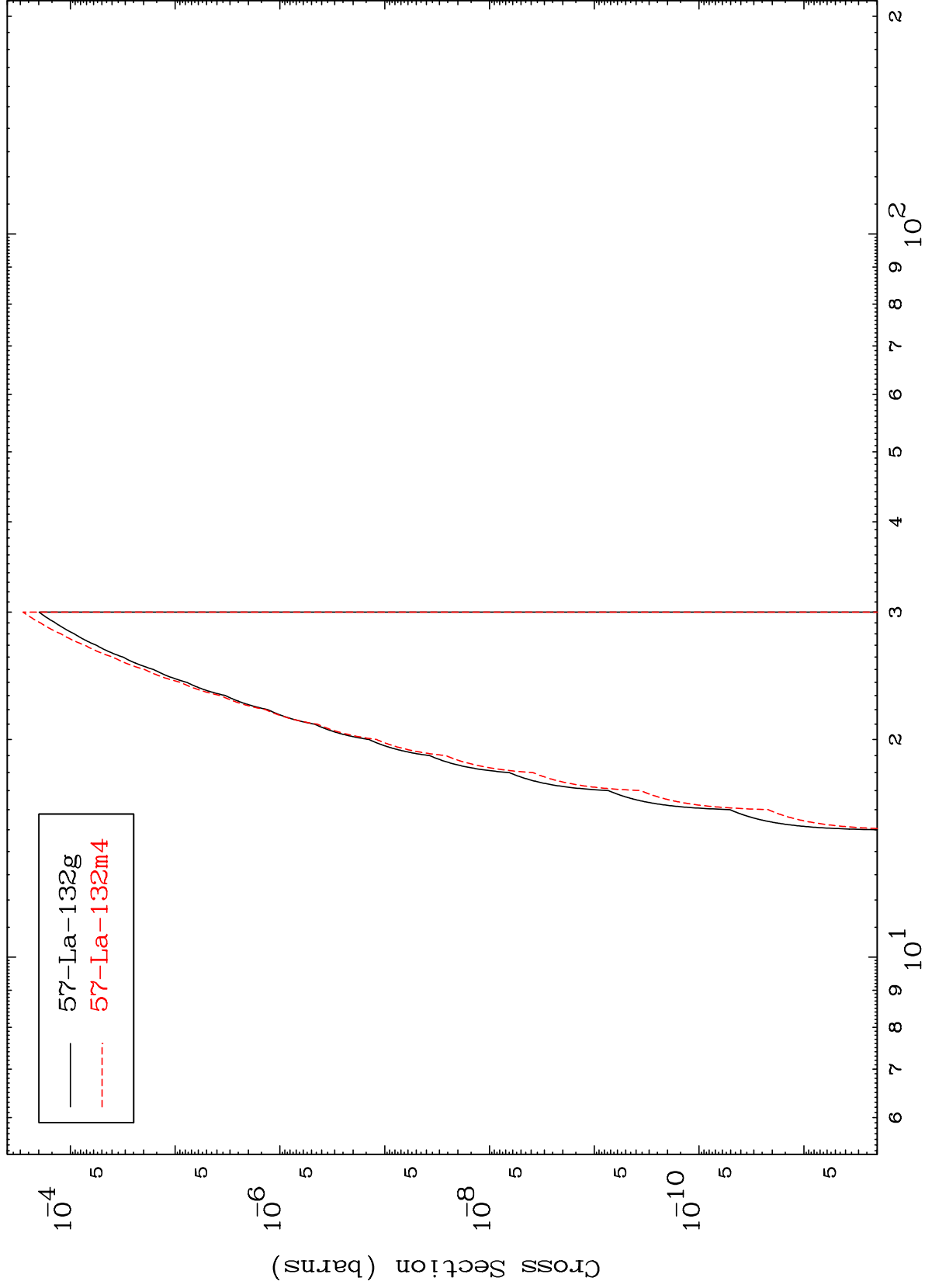
128

MAT 6010

(n,n') p α

60-Nd-137

Radionuclide Production Cross Section



129

Incident Energy (MeV)

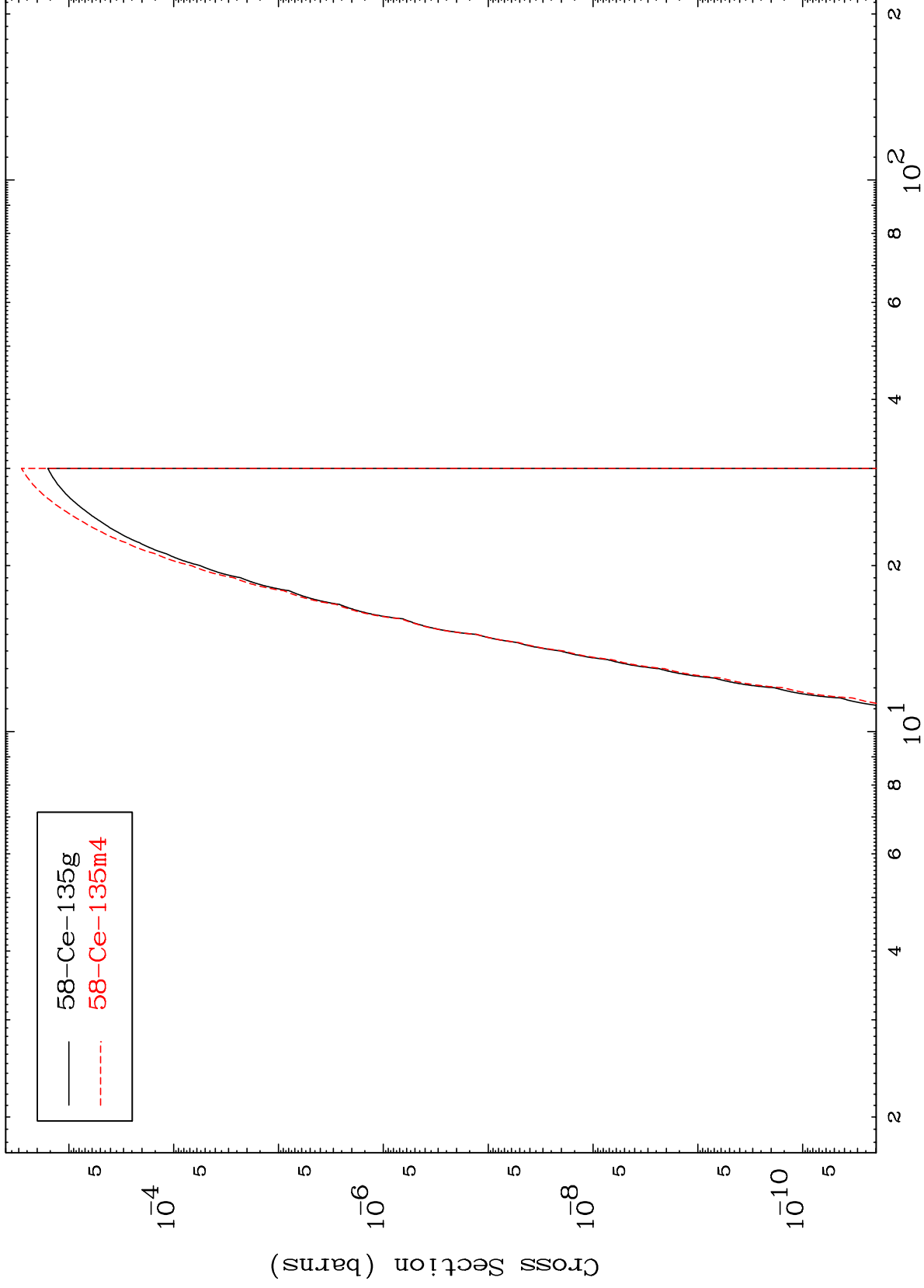
60-Nd-137

MAT 6010

(n,He-3)

60-Nd-137

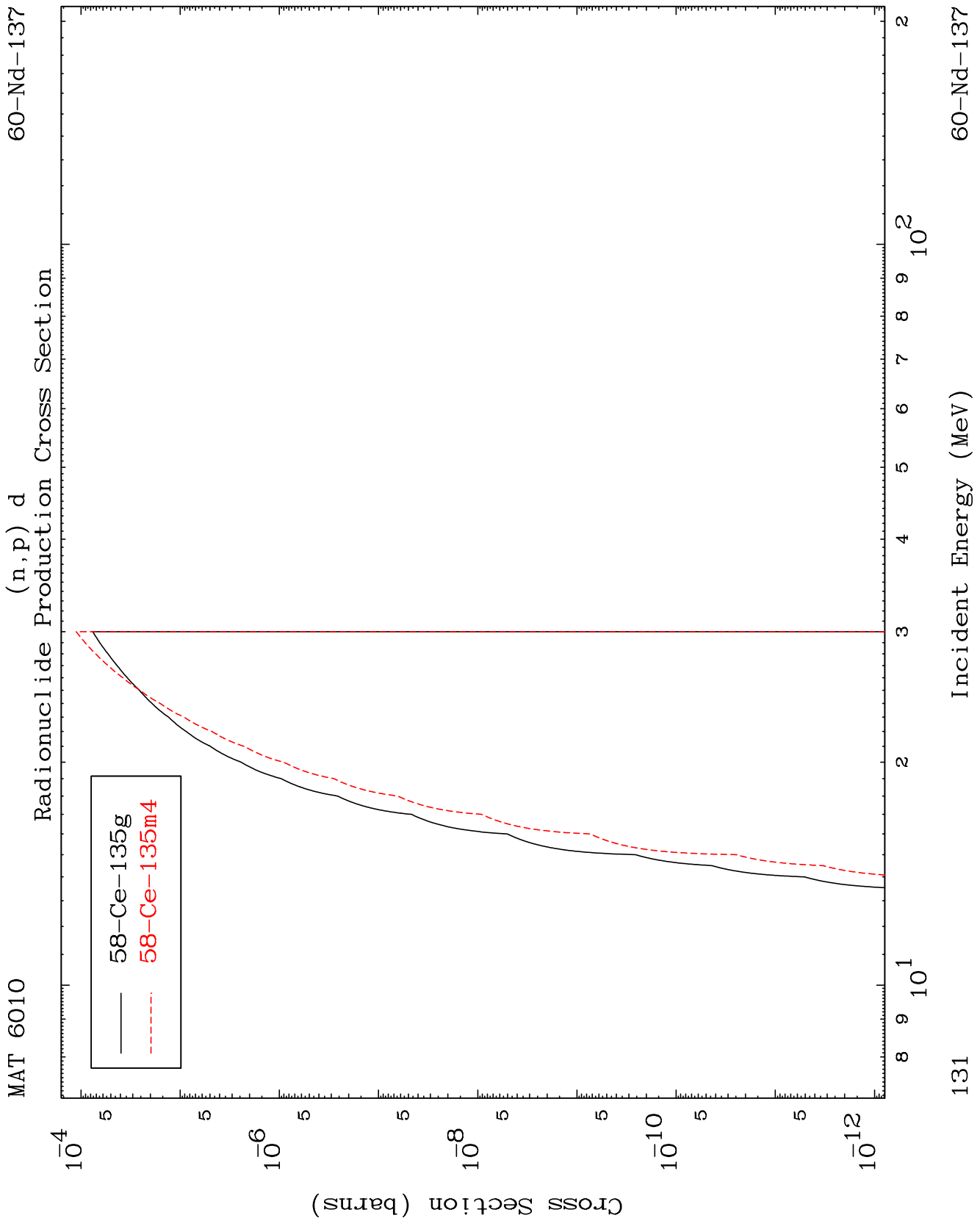
Radionuclide Production Cross Section



130

Incident Energy (MeV)

60-Nd-137

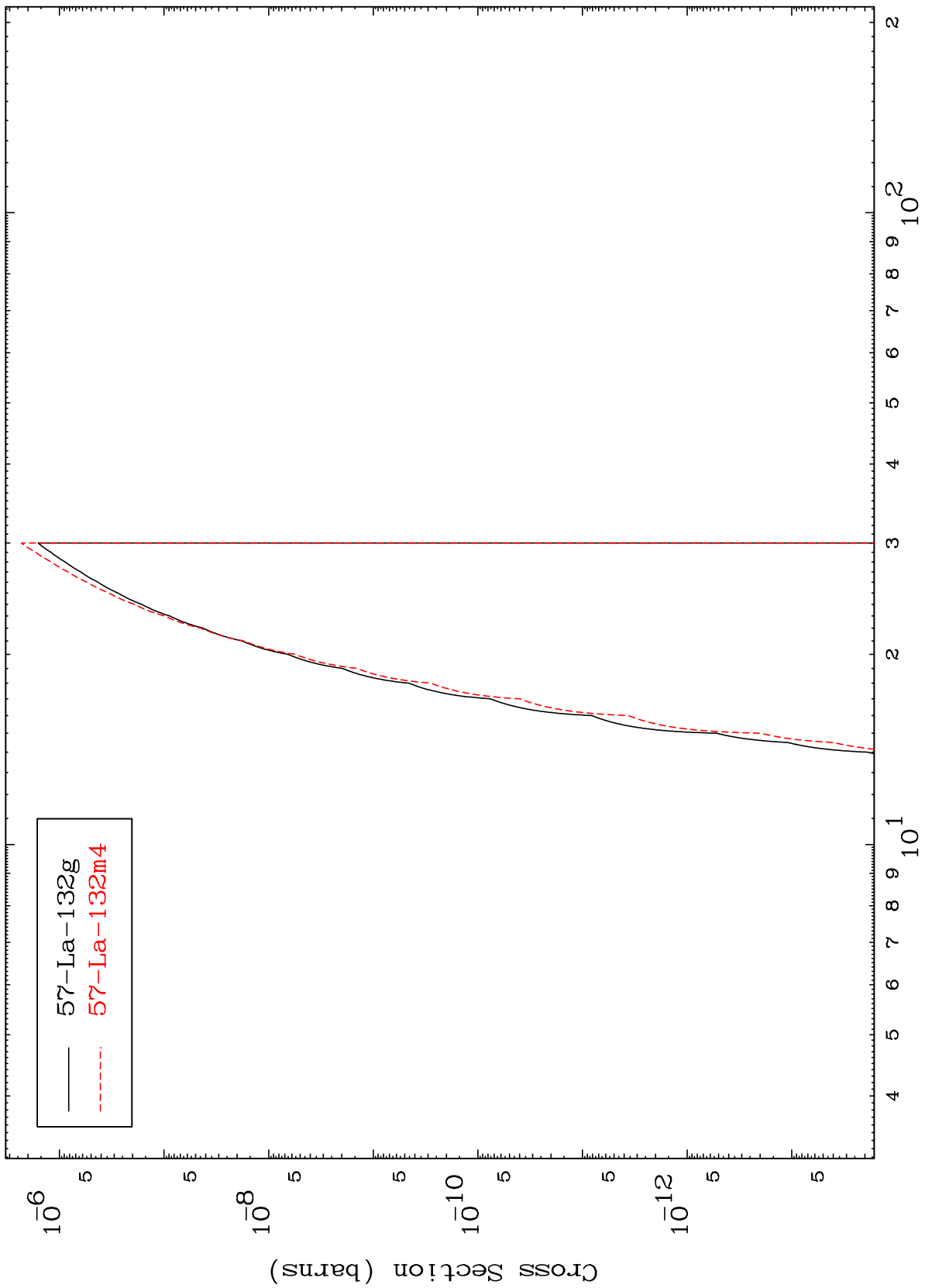


MAT 6010

(n,d) α

60-Nd-137

Radionuclide Production Cross Section



— 57-La-132g
- - - 57-La-132m4

132

Incident Energy (MeV)

60-Nd-137