

Program EVALPLOT
(Version 2015-2)

by

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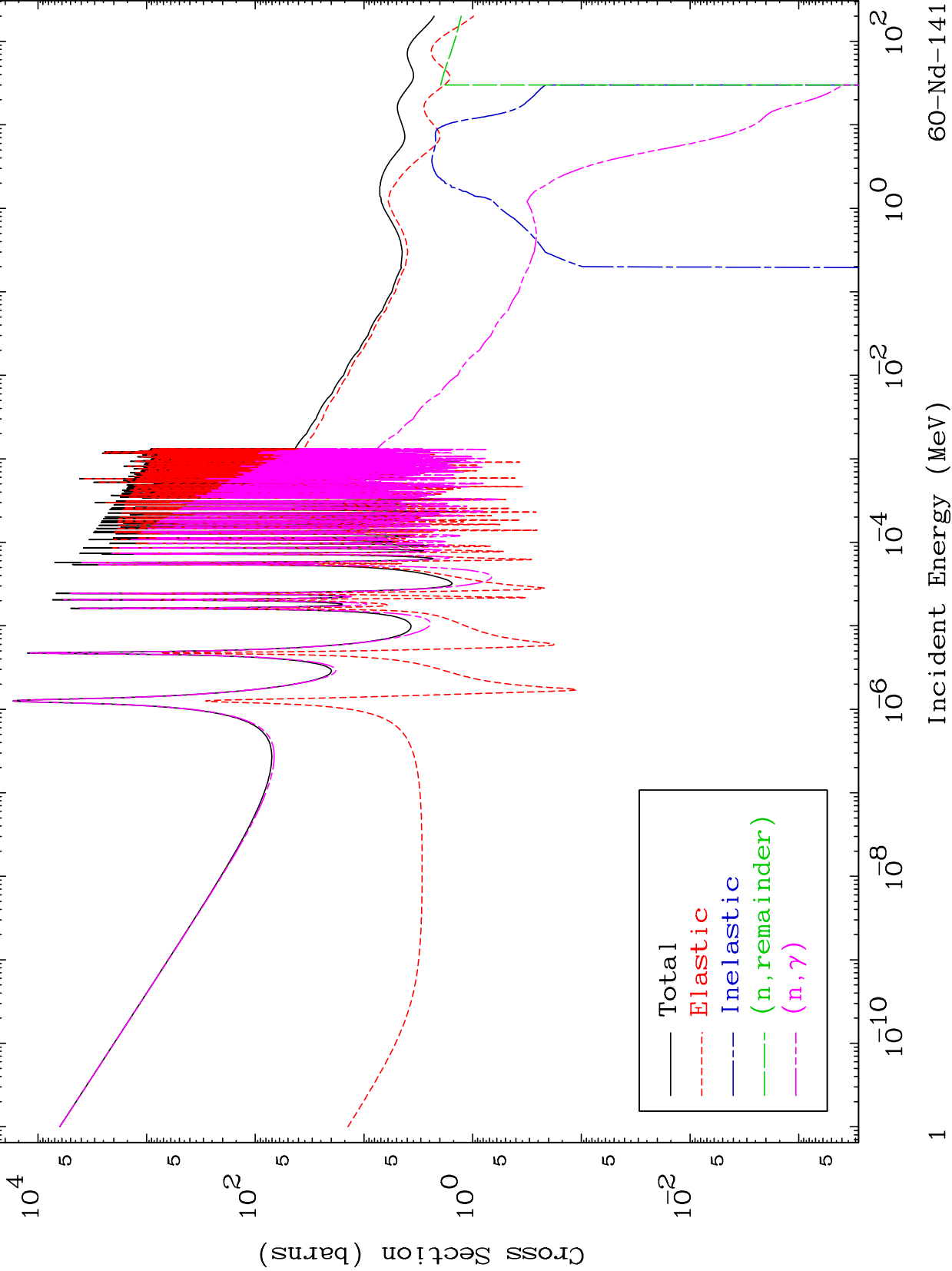
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6022

Major
293 Kelvin Cross Sections

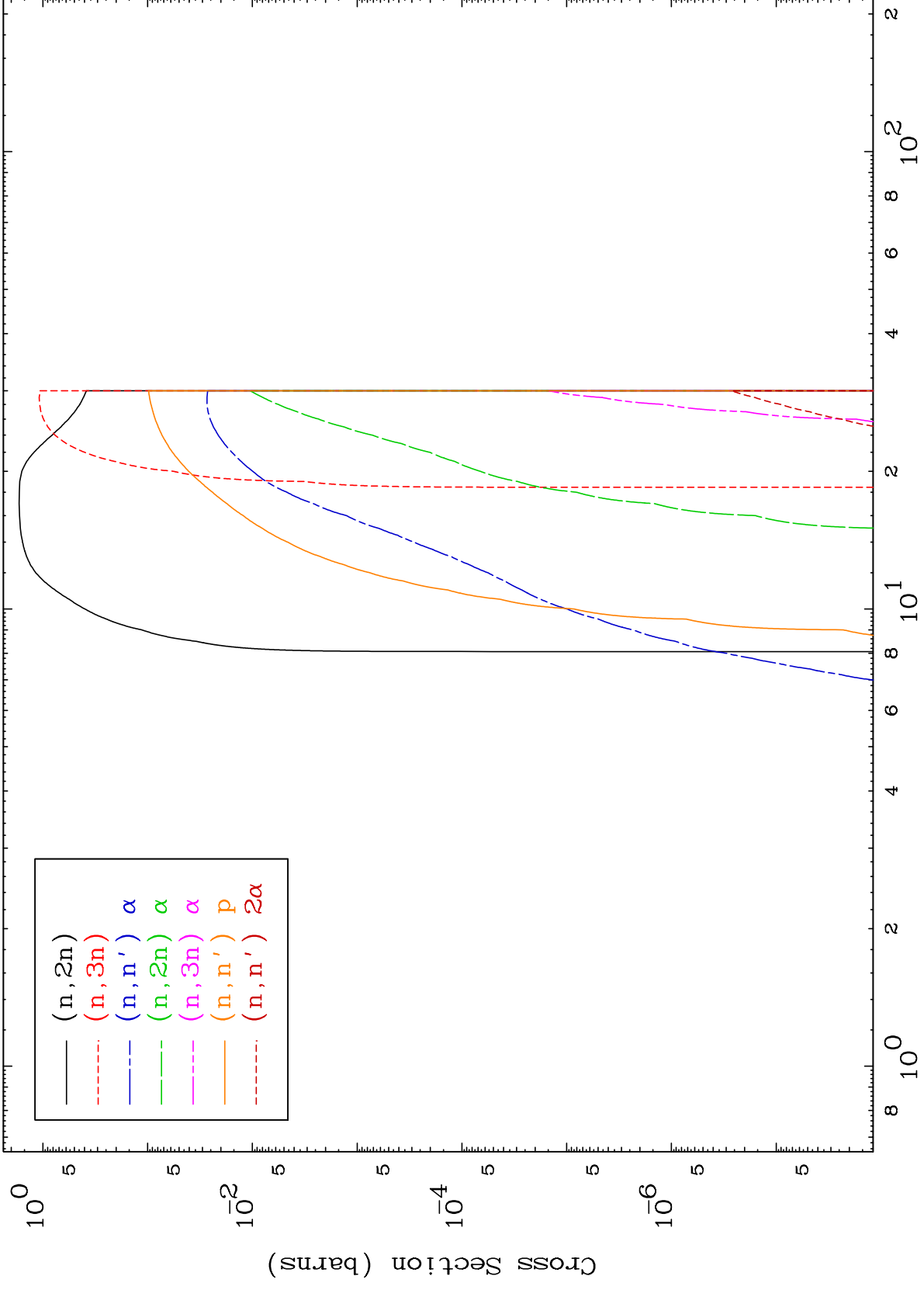
60-Nd-141



MAT 6022

Neutron Production
293 Kelvin Cross Sections

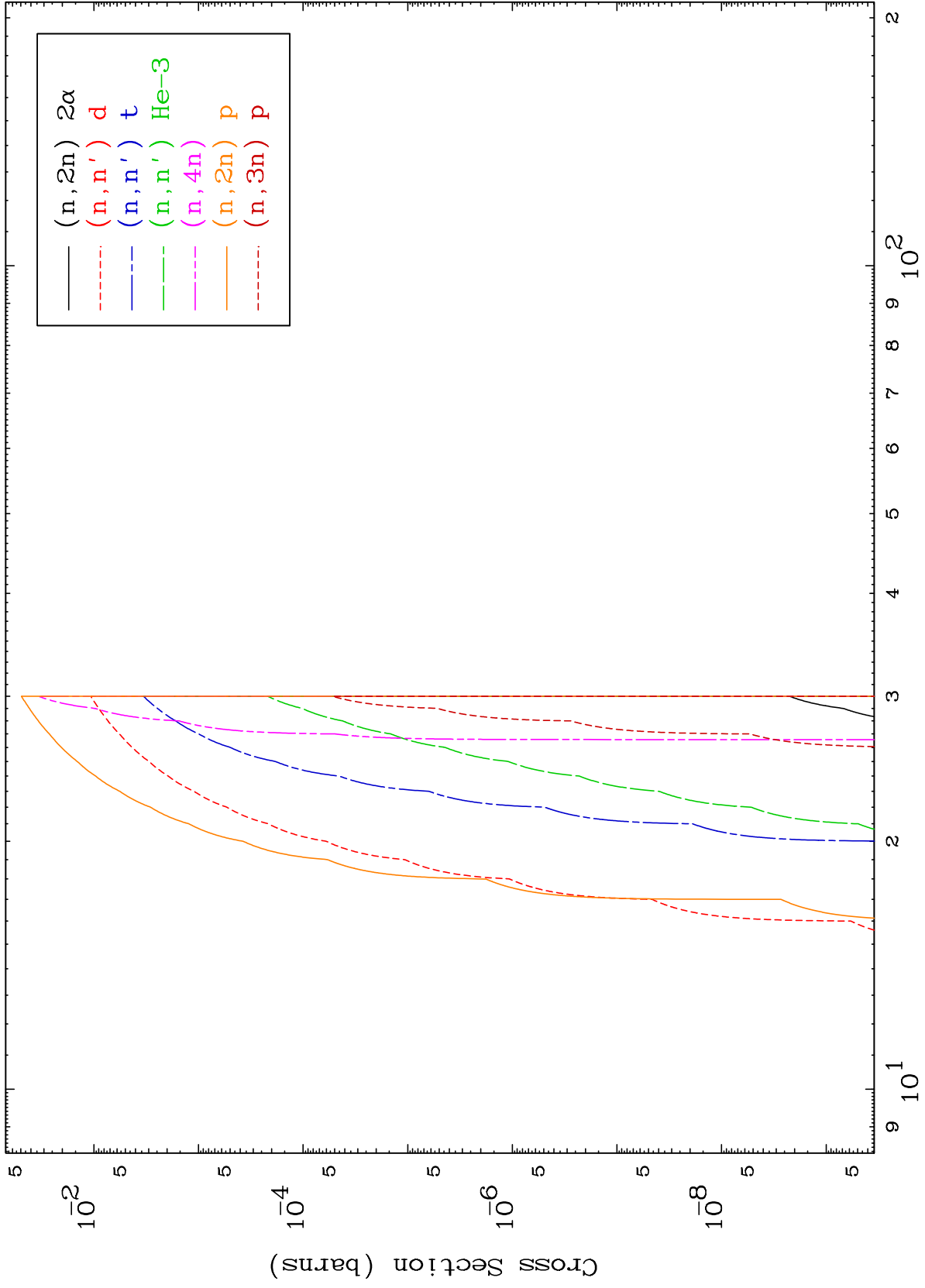
60-Nd-141



60-Nd-141

Incident Energy (MeV)

2

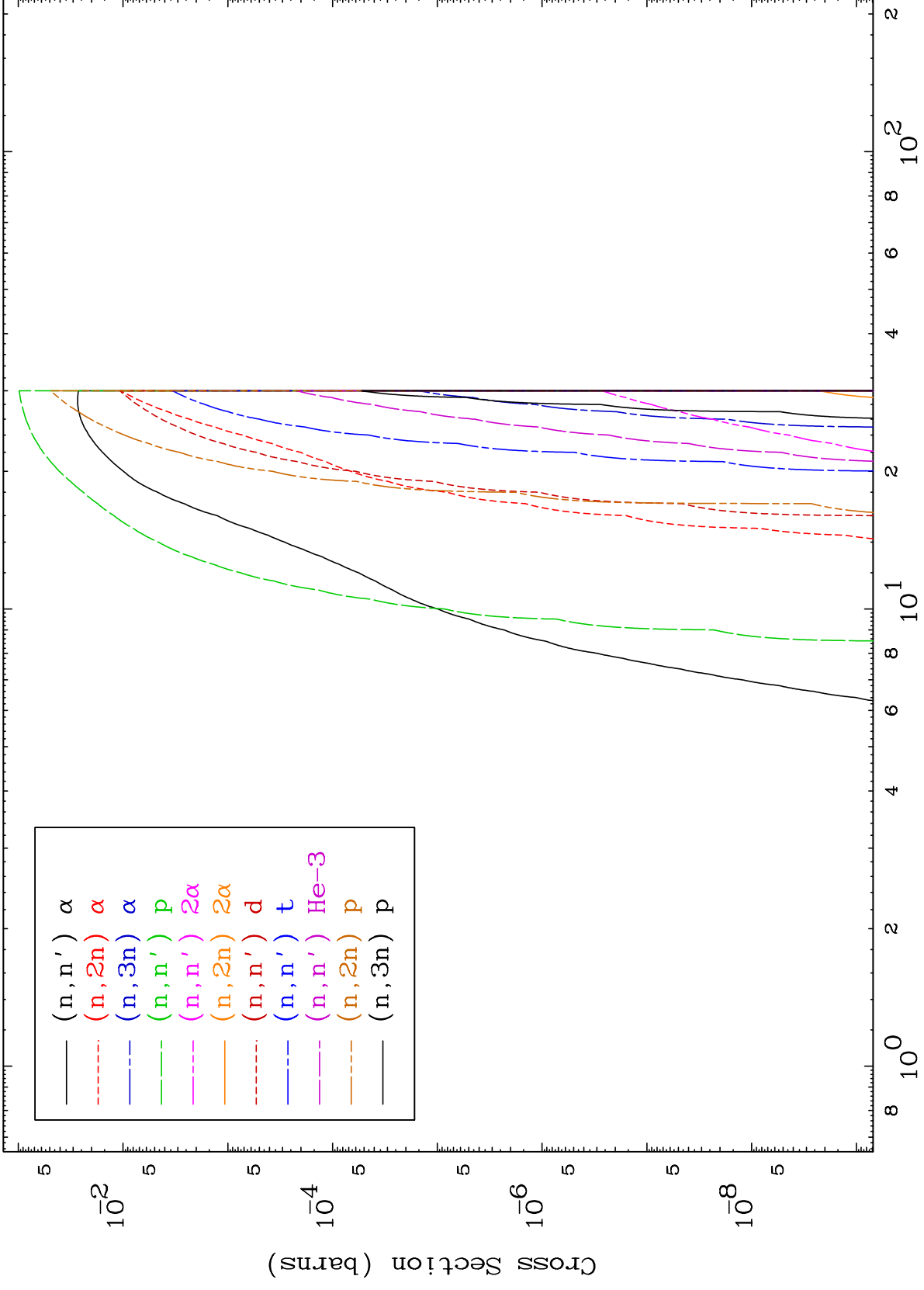


MAT 6022

Charged Particle

60-Nd-141

293 Kelvin Cross Sections



4

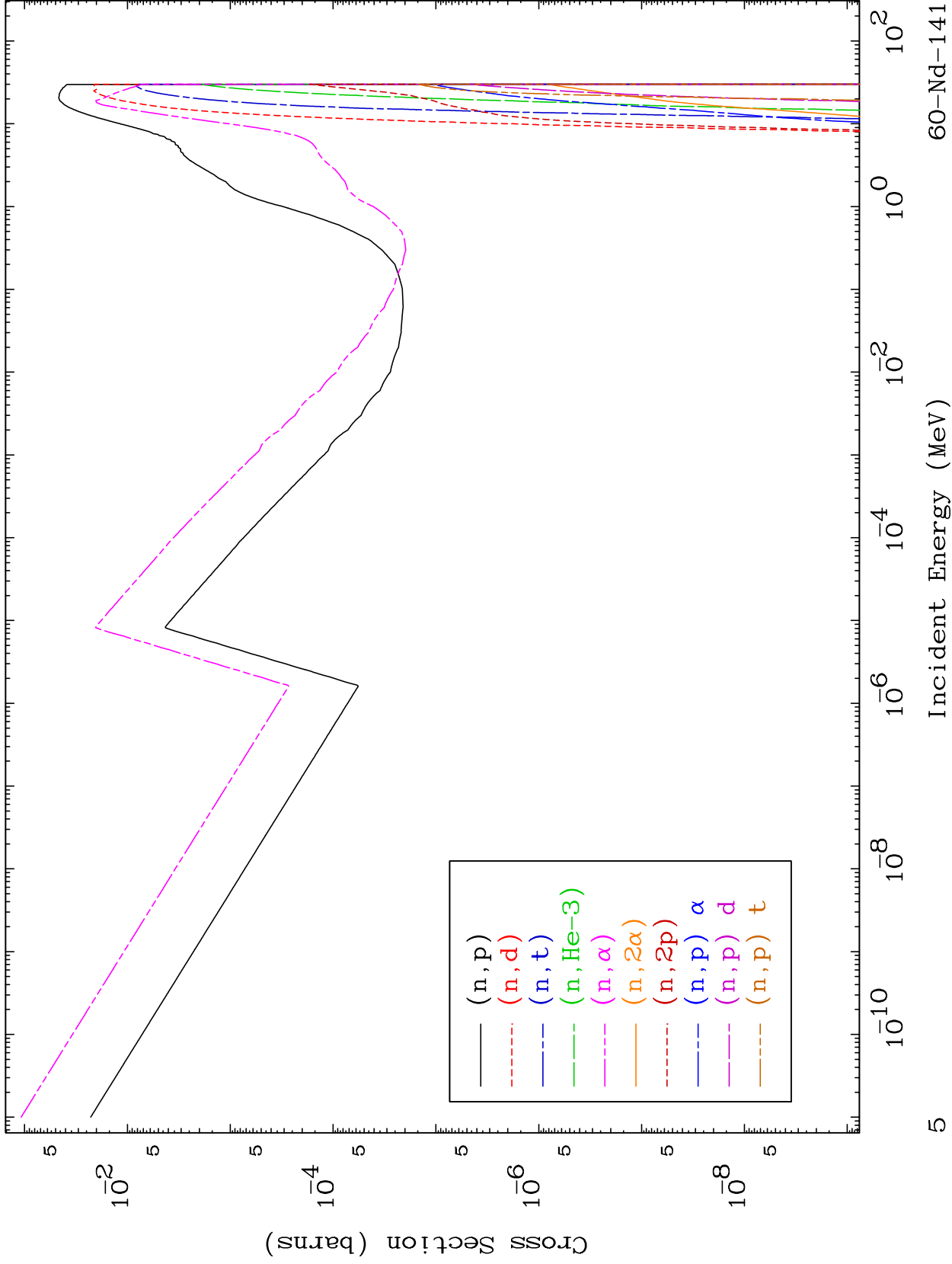
Incident Energy (MeV)

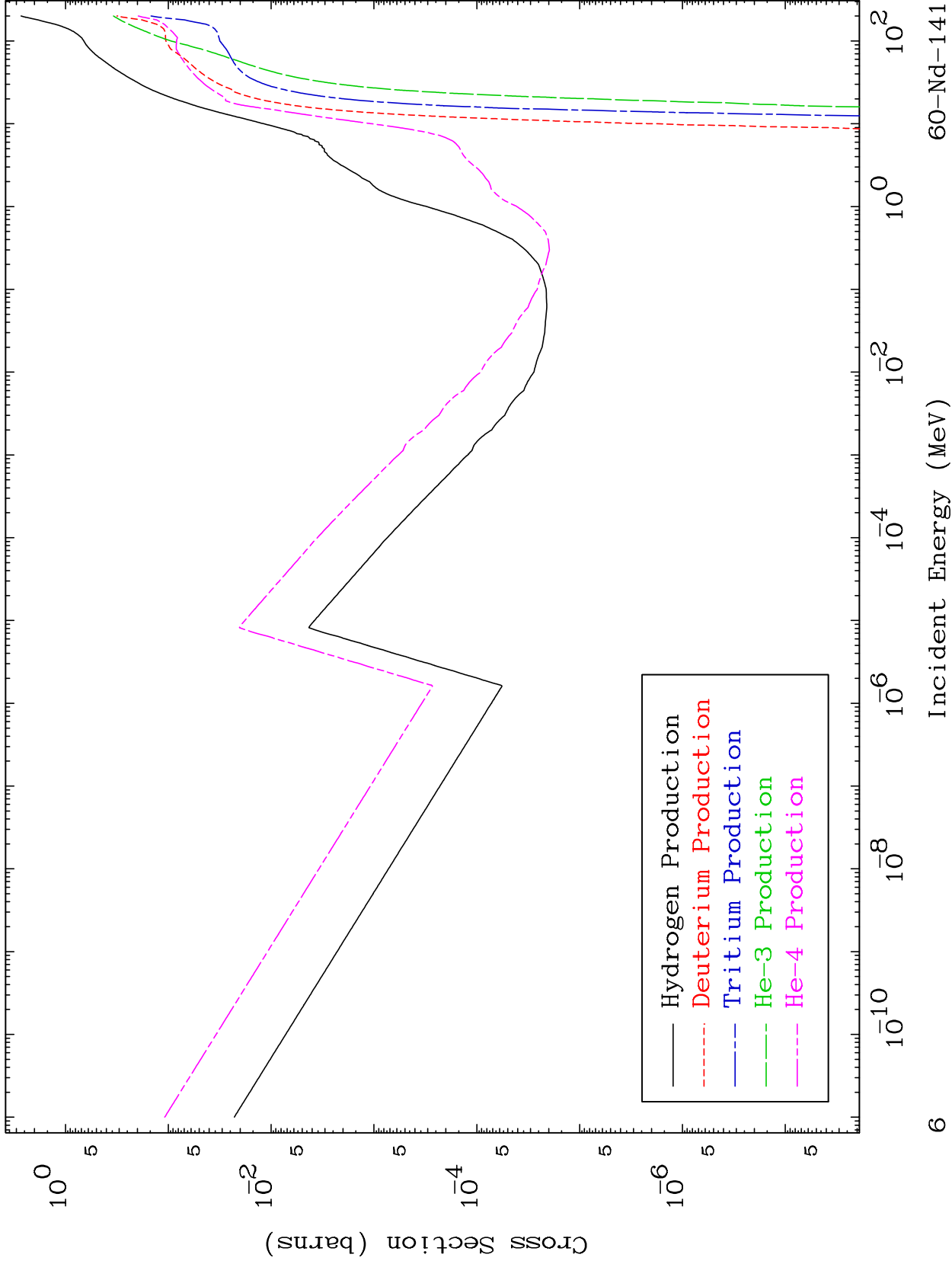
60-Nd-141

MAT 6022

Charged Particle
293 Kelvin Cross Sections

60-Nd-141

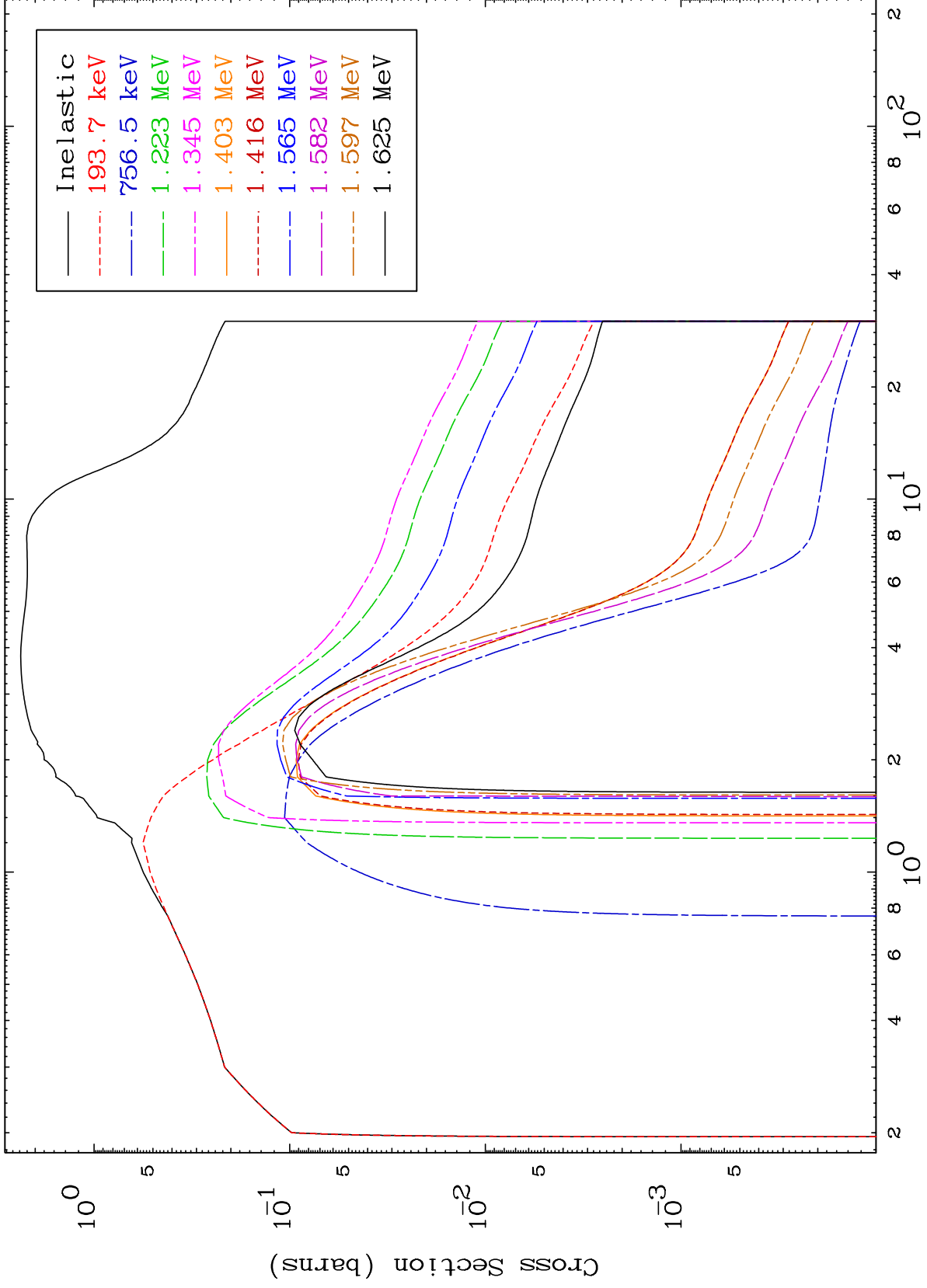




MAT 6022

(n,n') Level
293 Kelvin Cross Sections

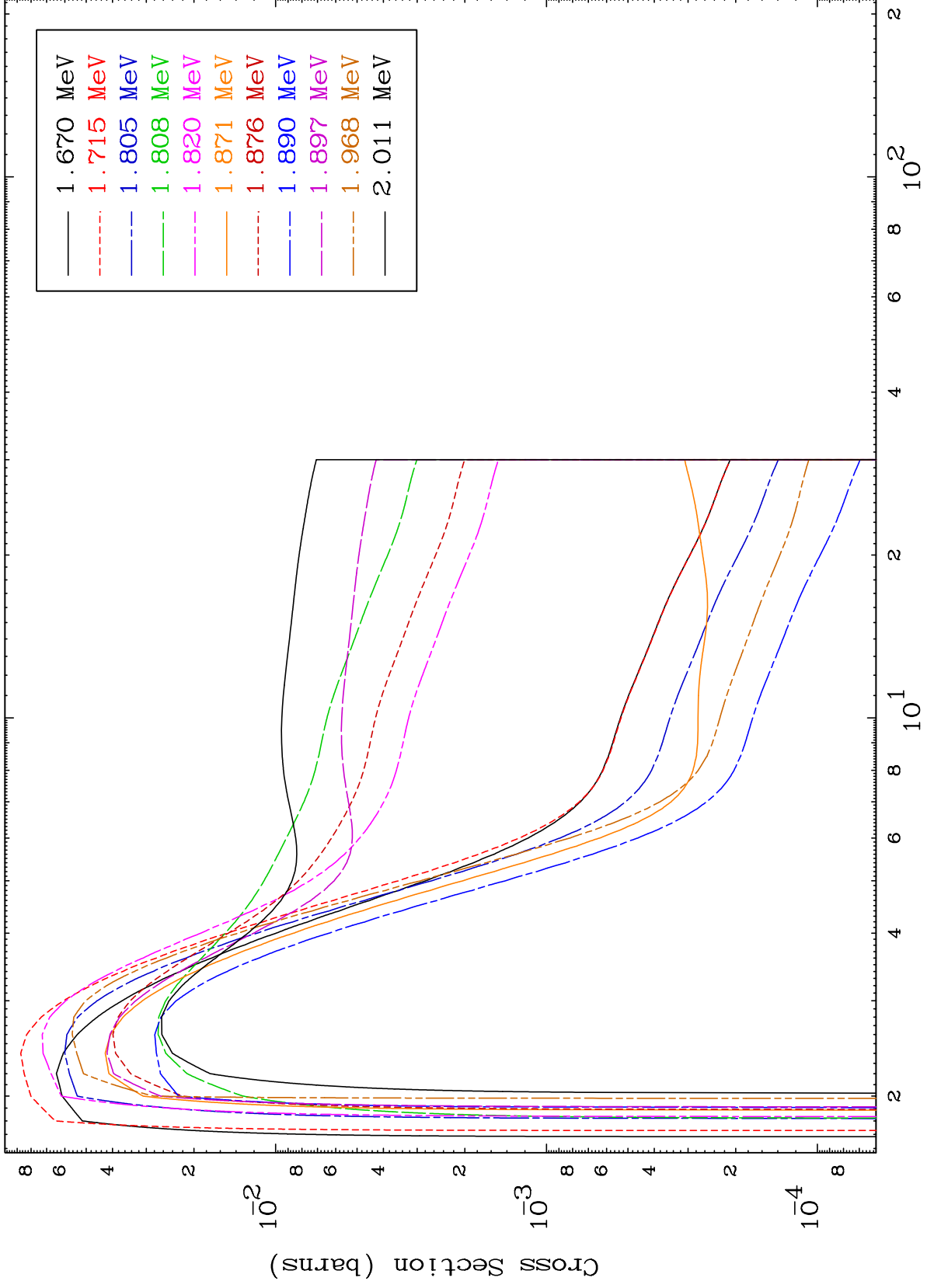
60-Nd-141



MAT 6022

(n,n') Level
293 Kelvin Cross Sections

60-Nd-141



8

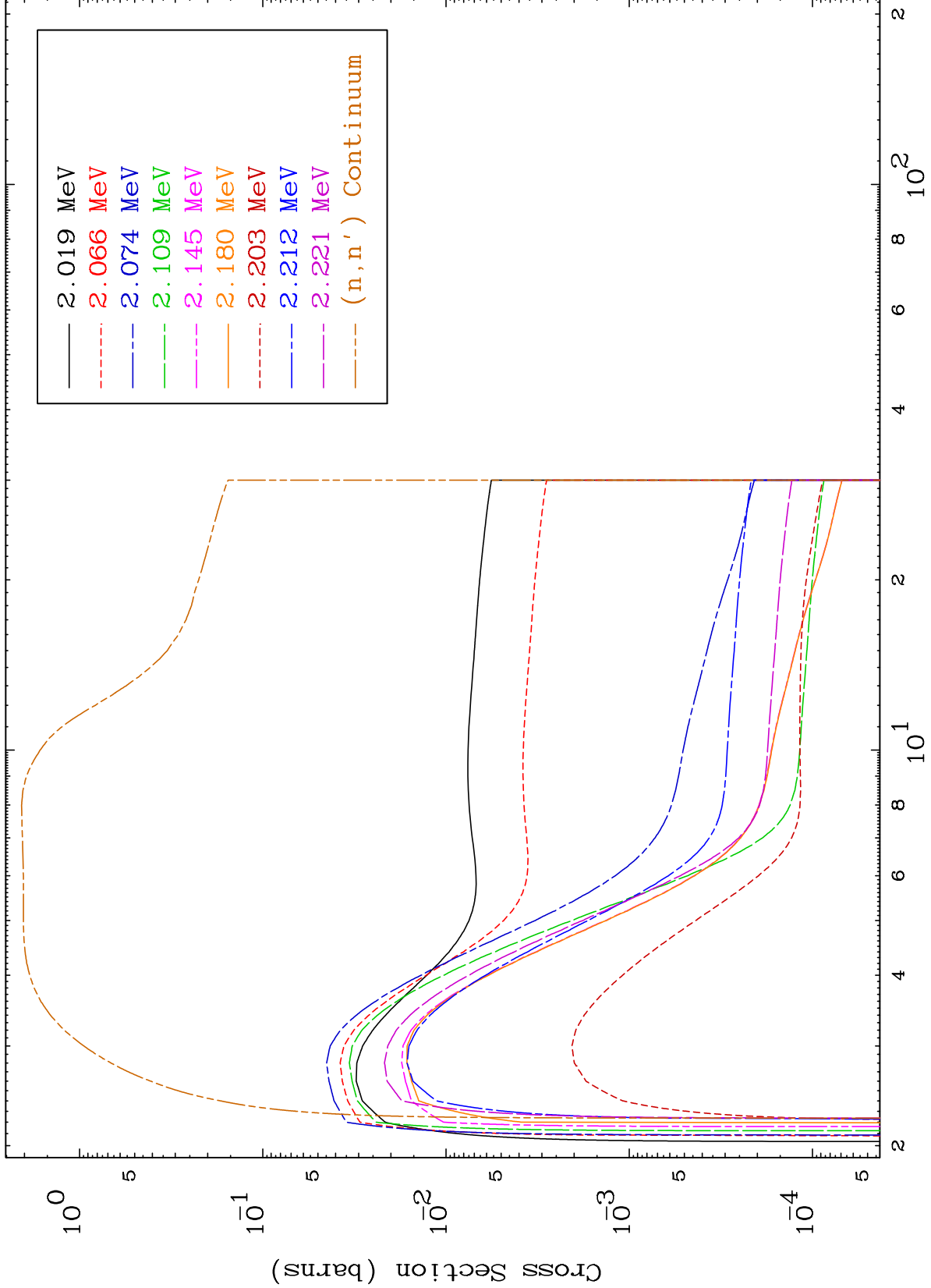
Incident Energy (MeV)

60-Nd-141

MAT 6022

(n,n') Level
293 Kelvin Cross Sections

60-Nd-141



9

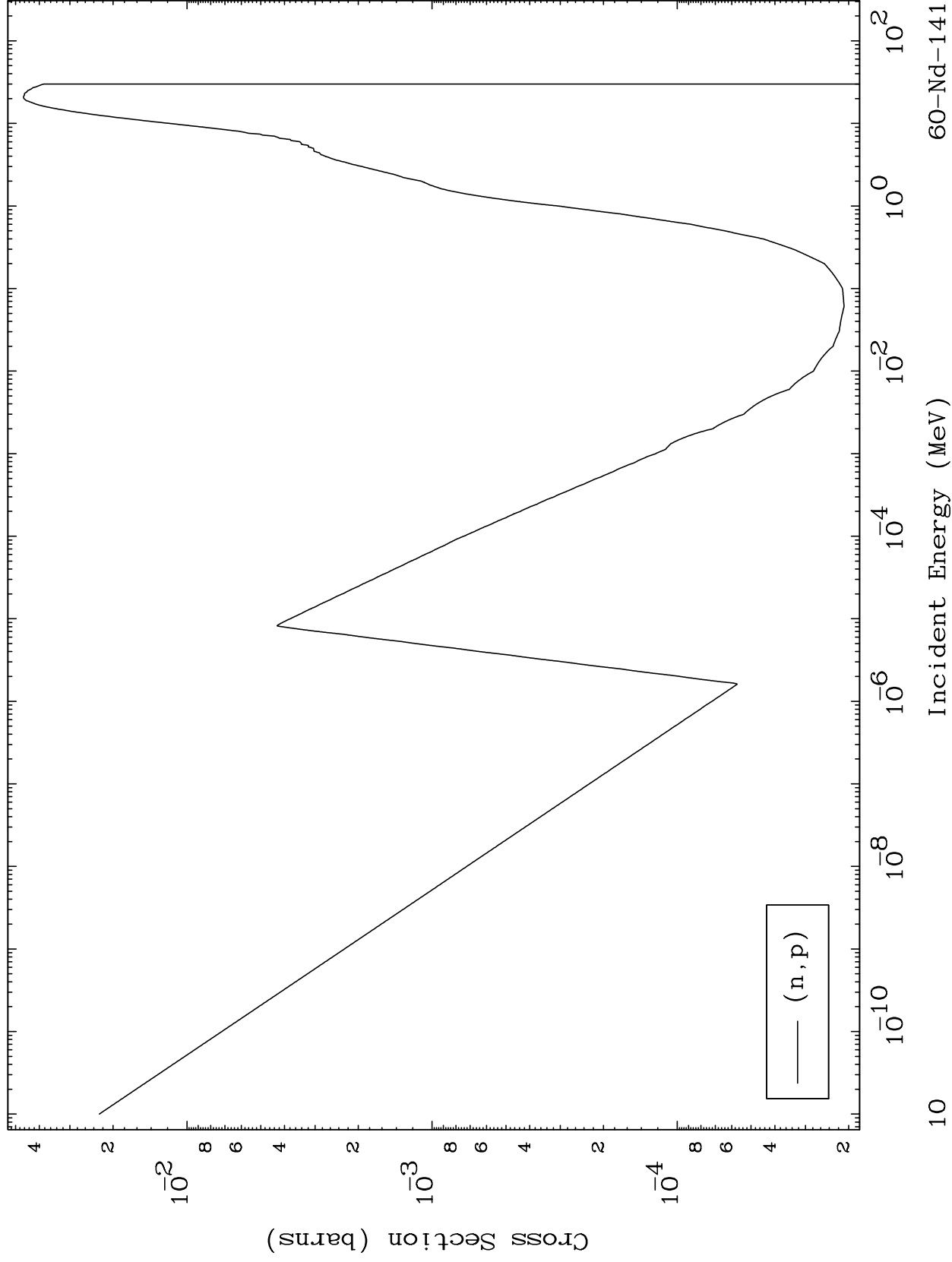
Incident Energy (MeV)

60-Nd-141

MAT 6022

(n,p) Levels
293 Kelvin Cross Sections

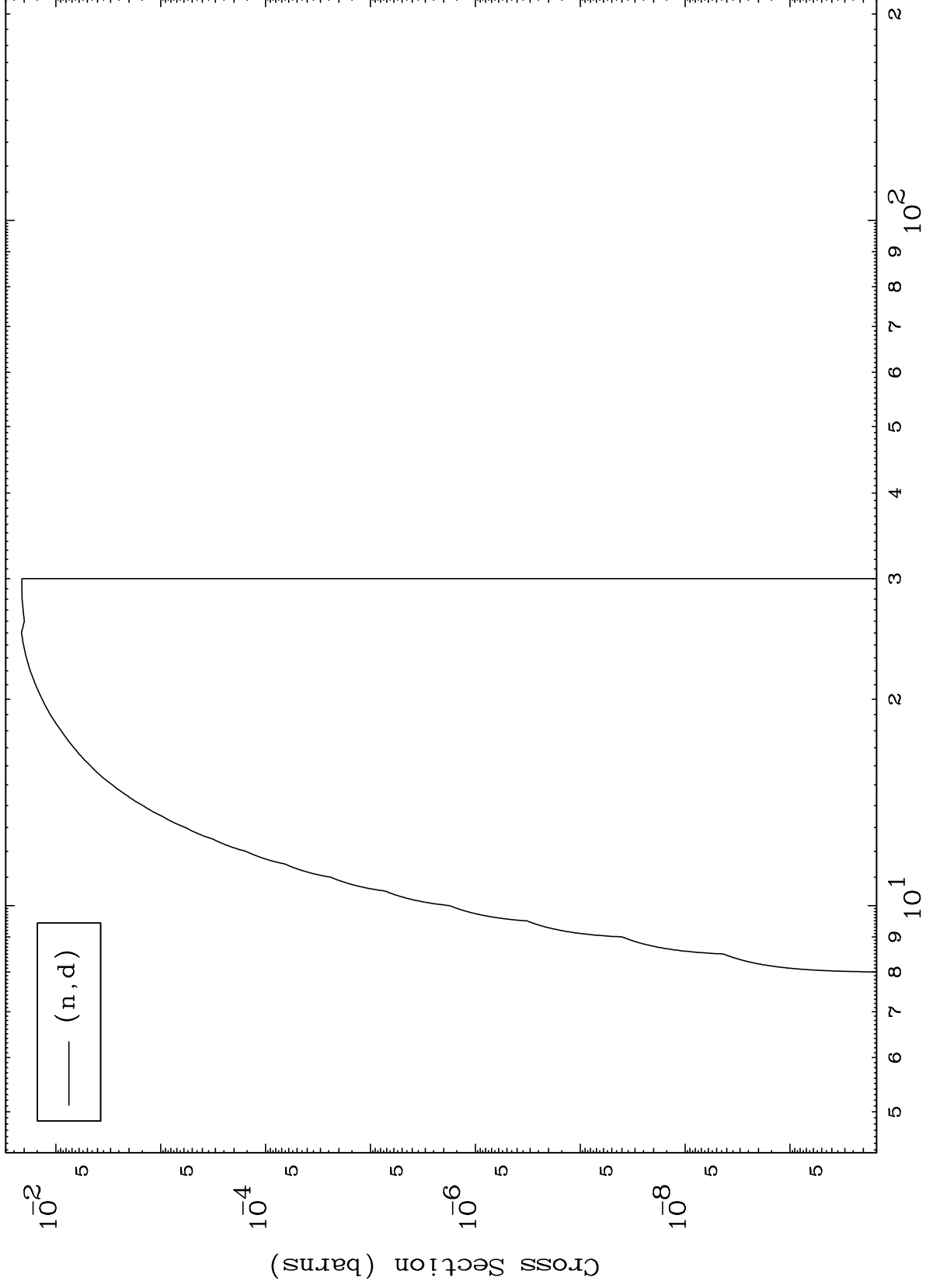
60-Nd-141



MAT 6022

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-141



11

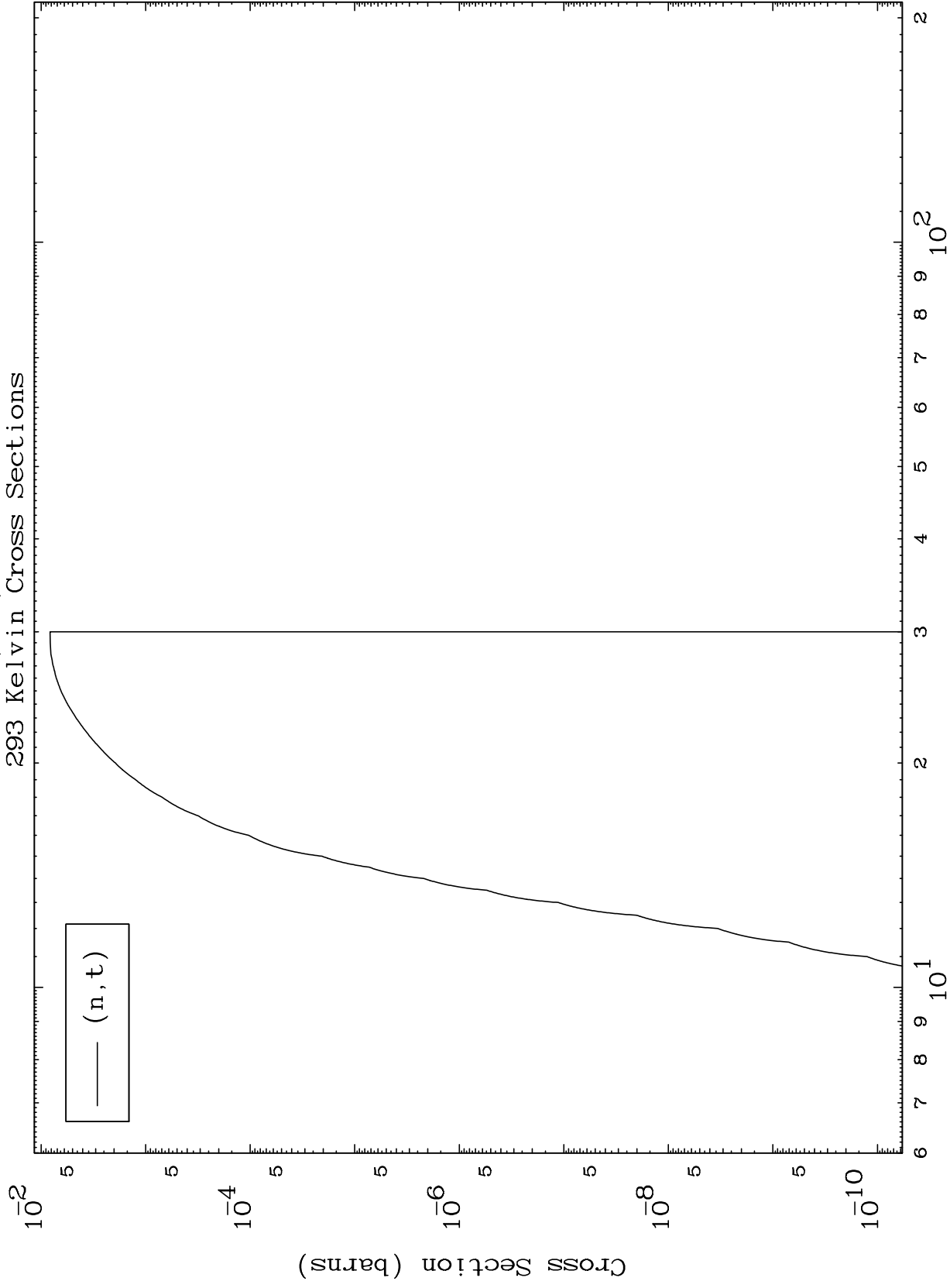
Incident Energy (MeV)

60-Nd-141

MAT 6022

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-141



12

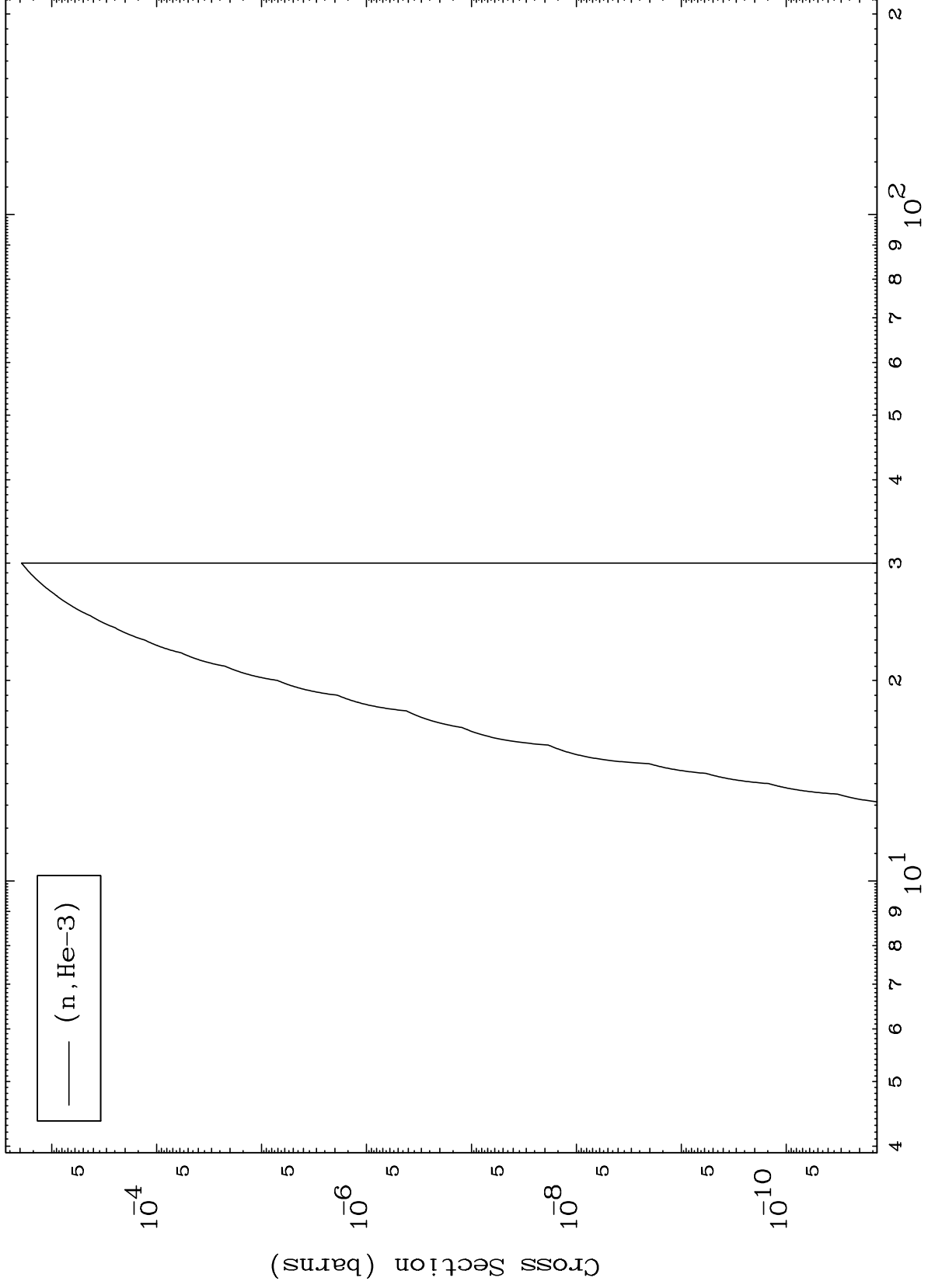
Incident Energy (MeV)

60-Nd-141

MAT 6022

(n,He3) Levels
293 Kelvin Cross Sections

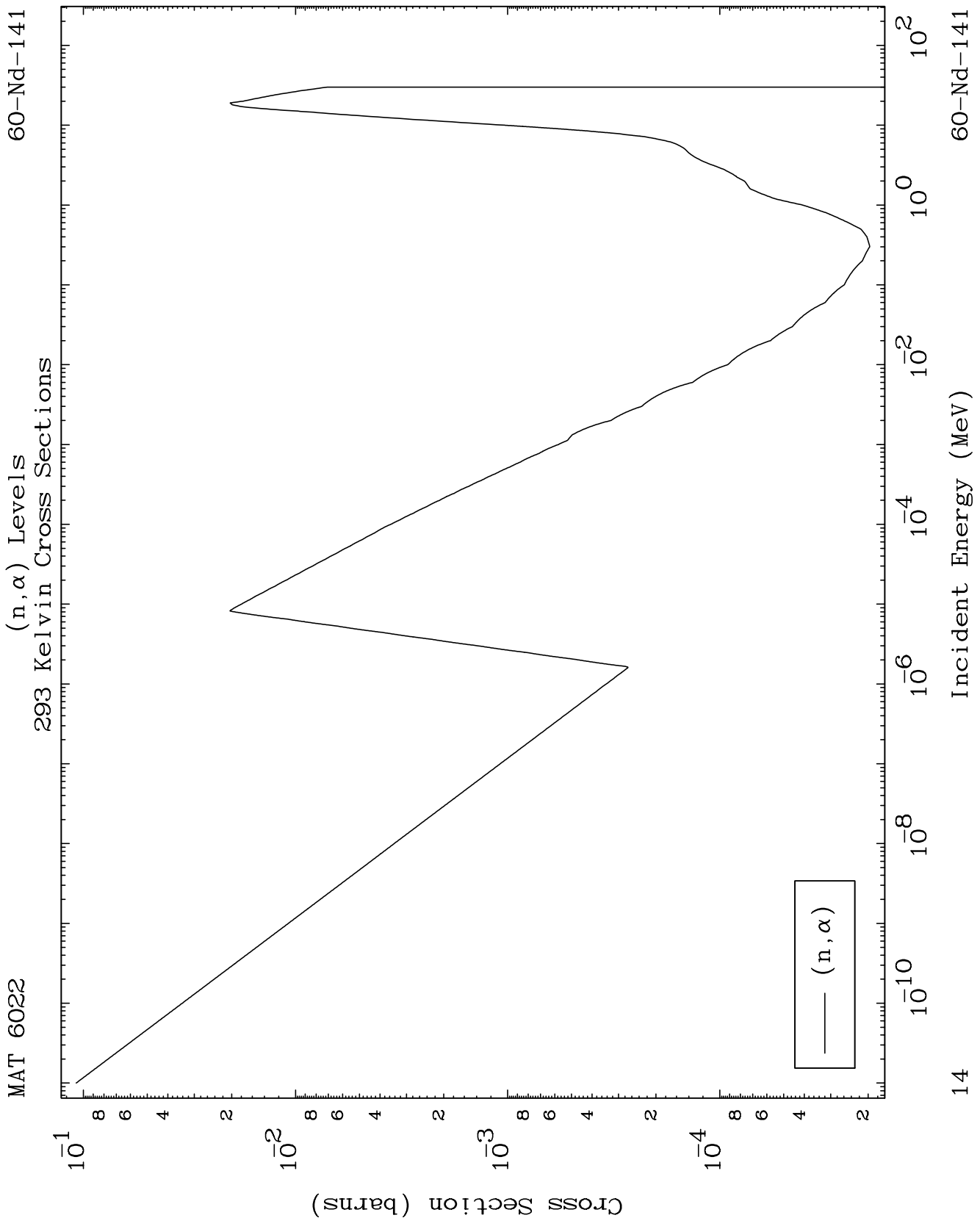
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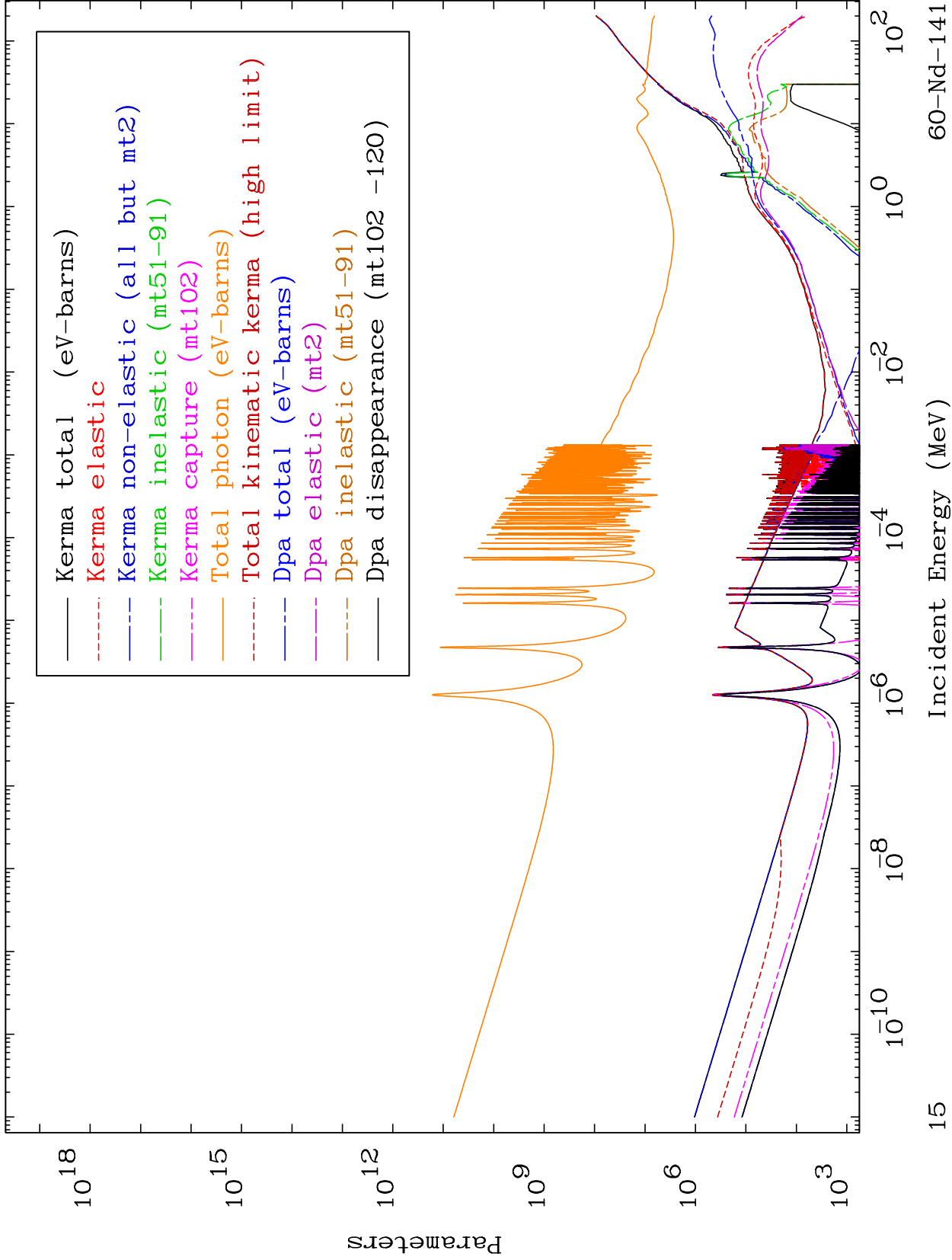


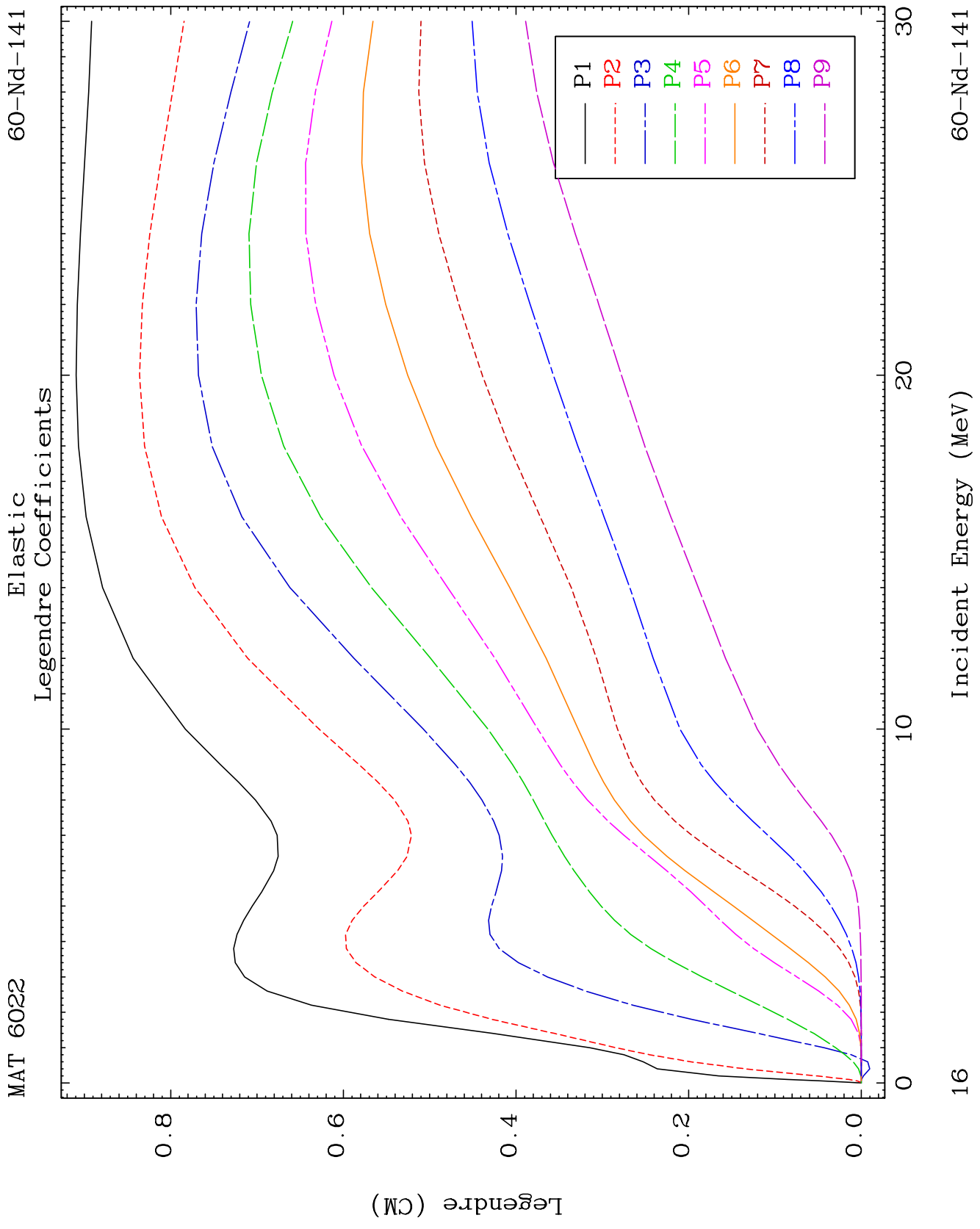
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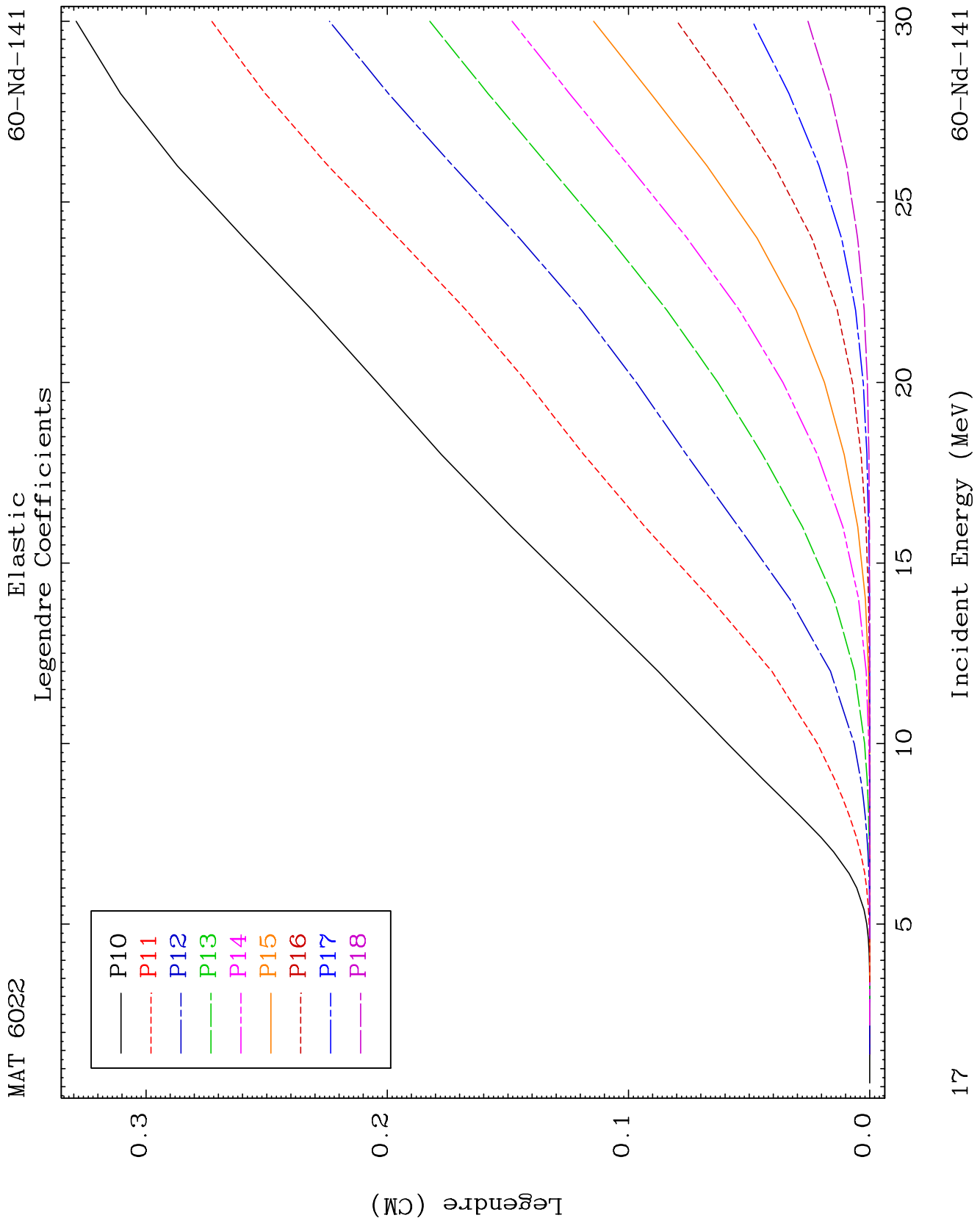
Incident Energy (MeV)

60-Nd-141





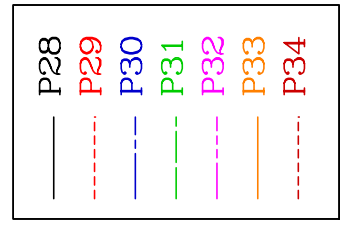




MAT 6022

Elastic Legendre Coefficients

60-Nd-141



$\times 10^{-6}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

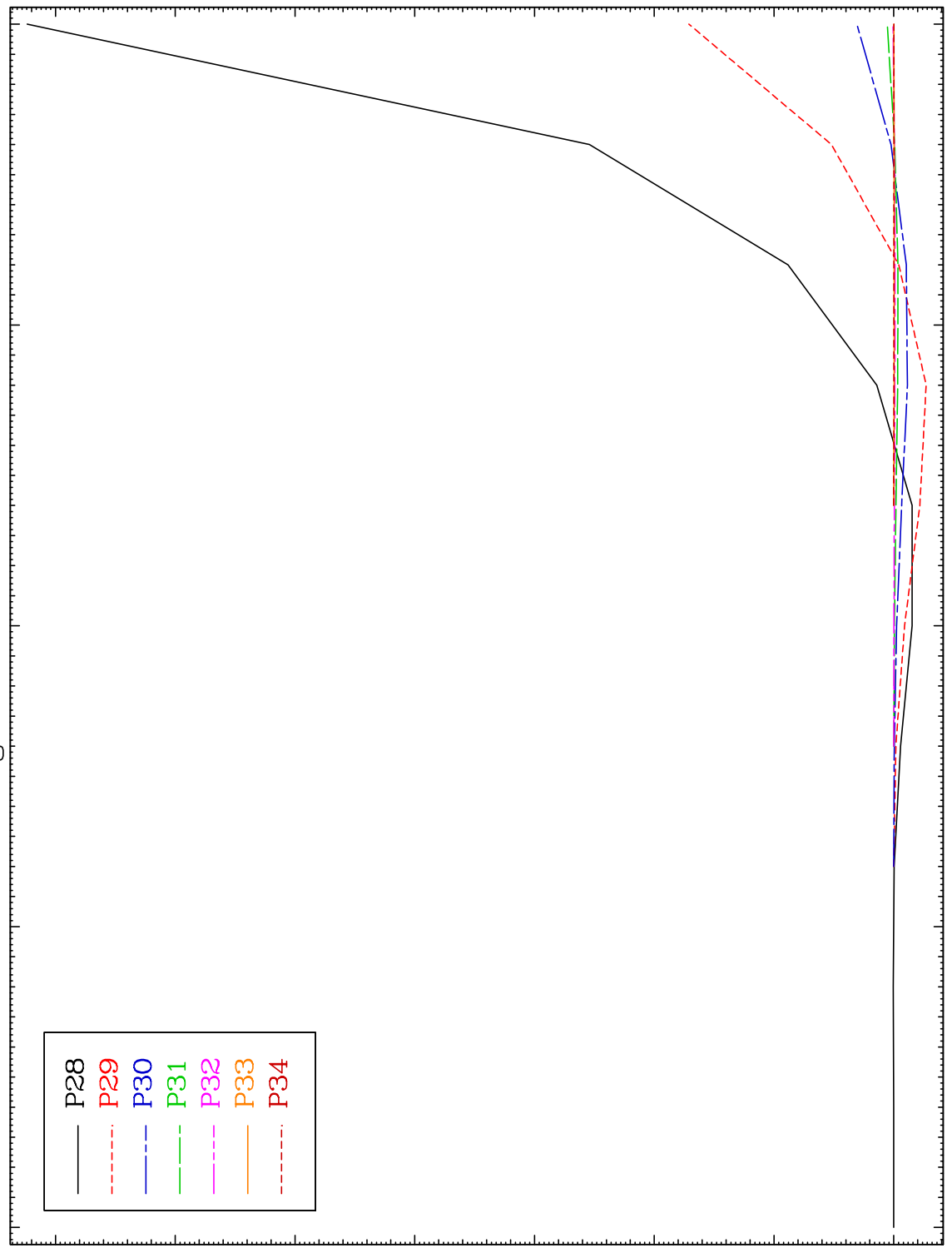
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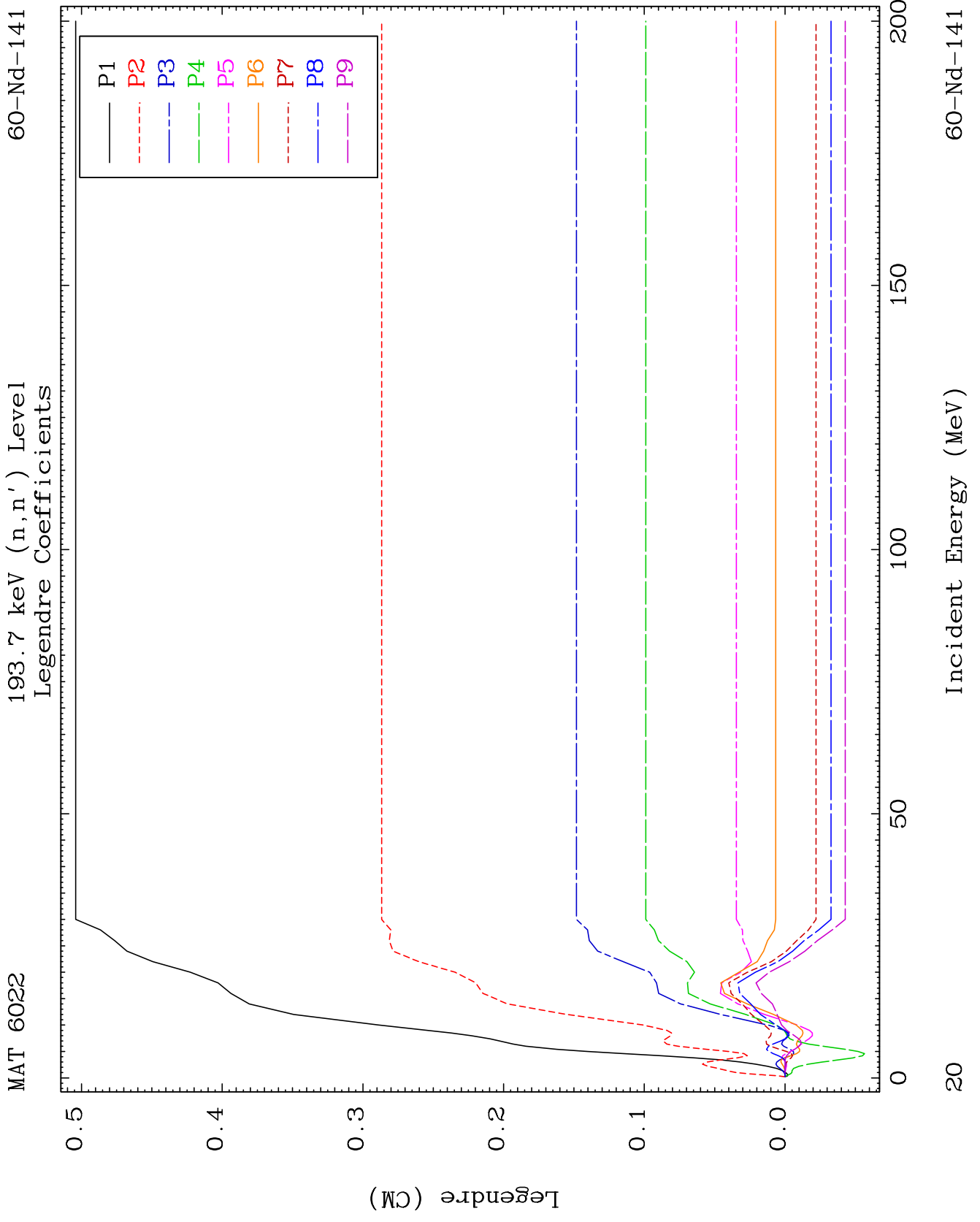
30

19

Incident Energy (MeV)

60-Nd-141

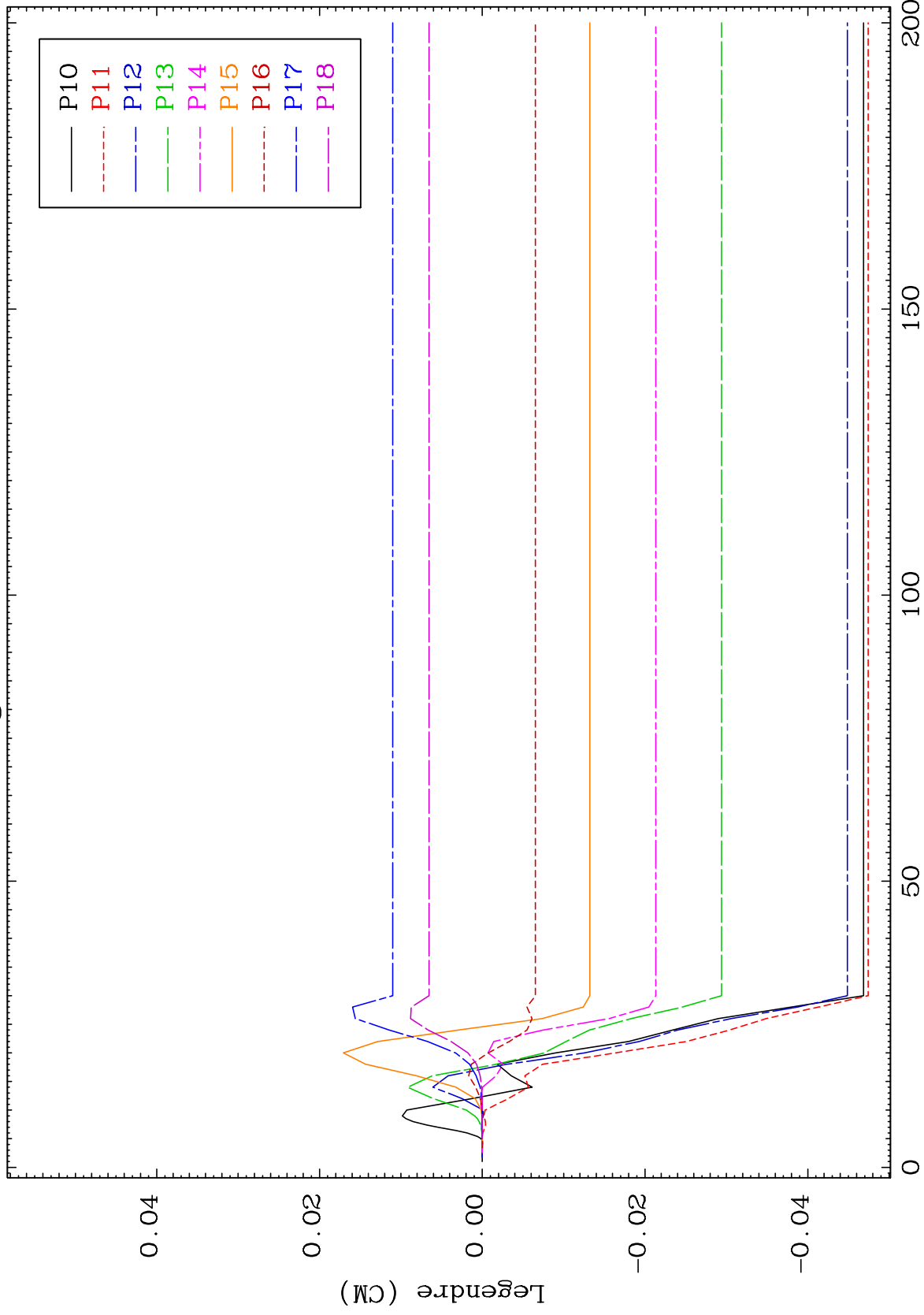




MAT 6022

193.7 keV (n,n') Level
Legendre Coefficients

60-Nd-141



21

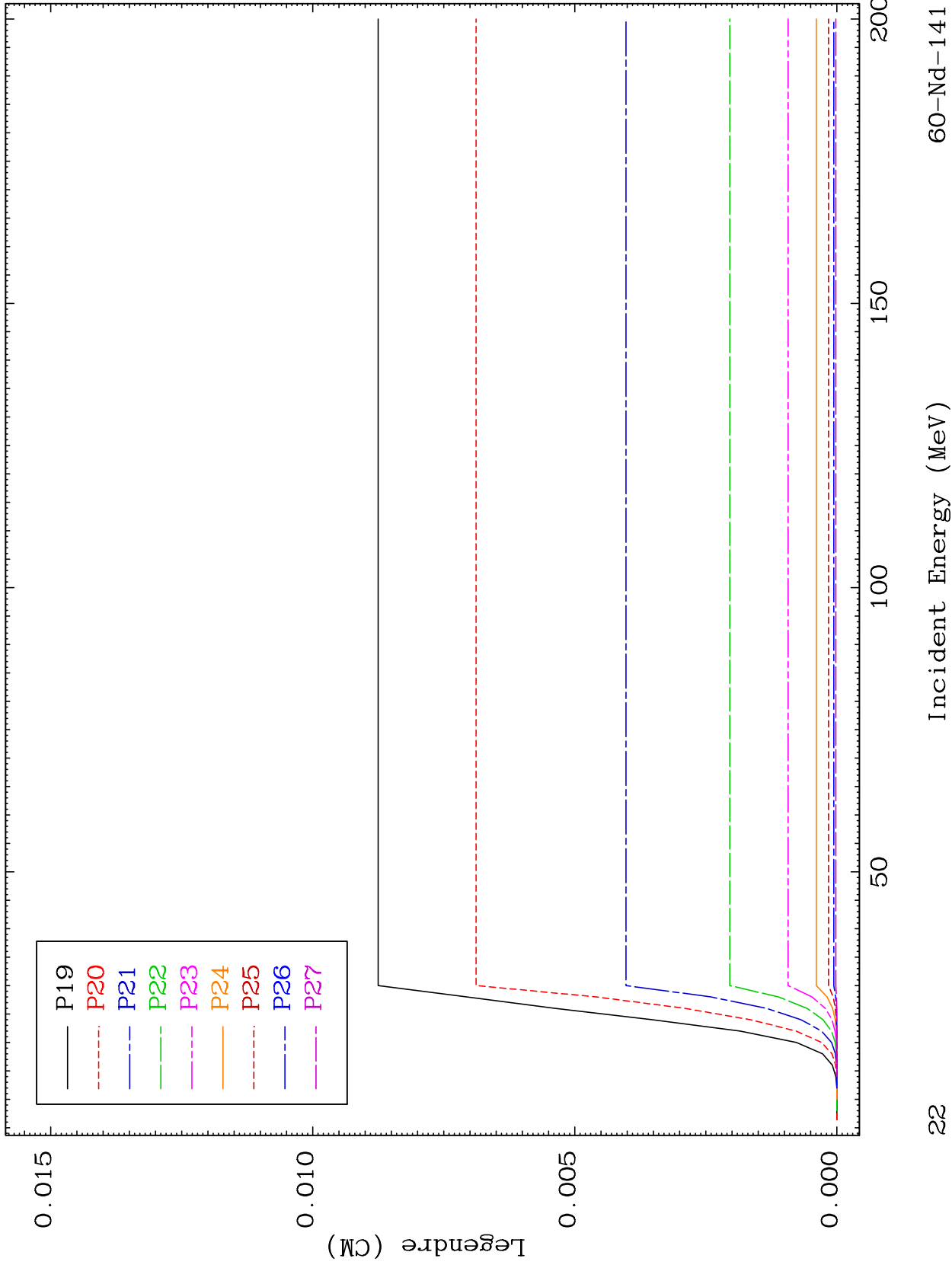
Incident Energy (MeV)

60-Nd-141

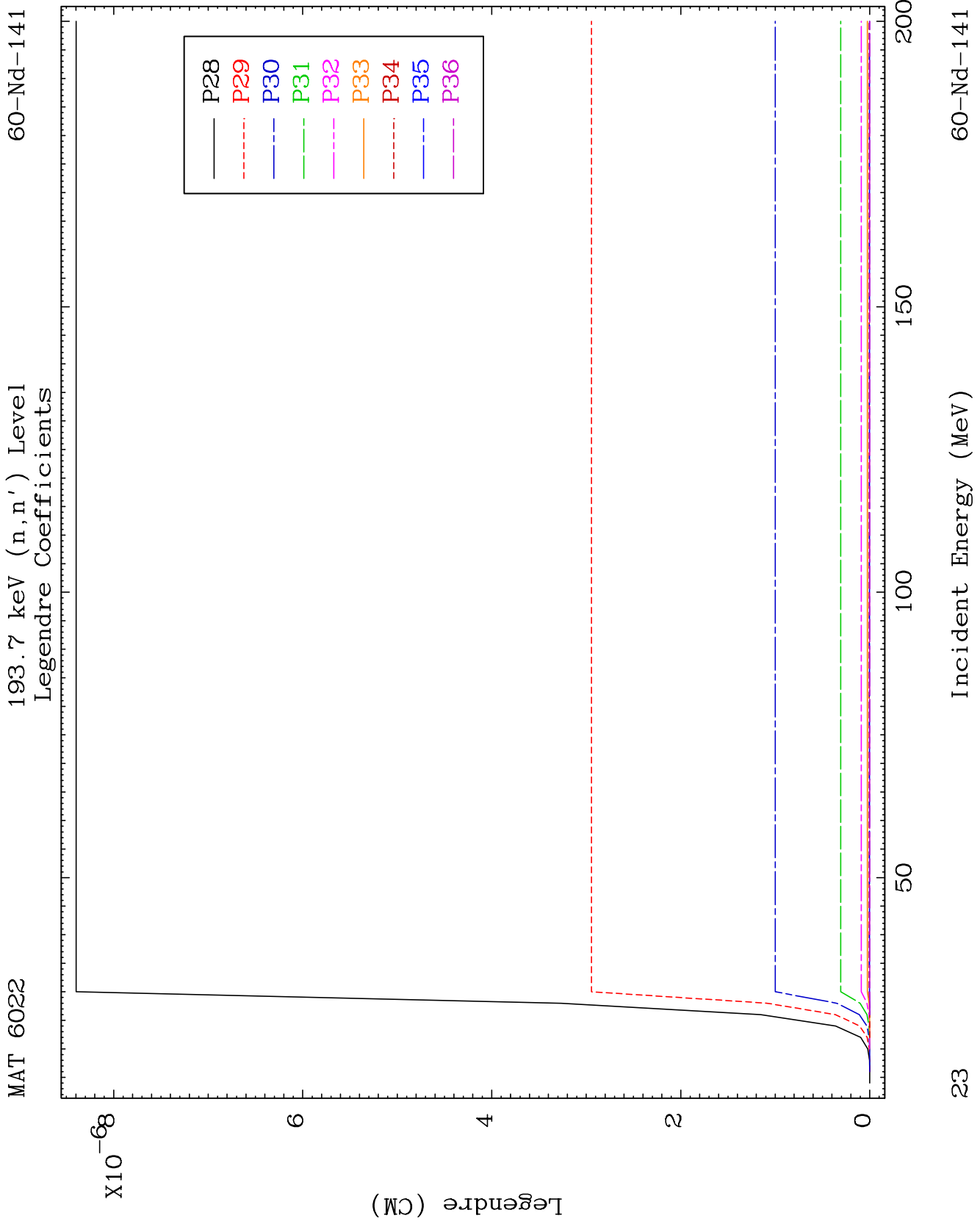
MAT 6022

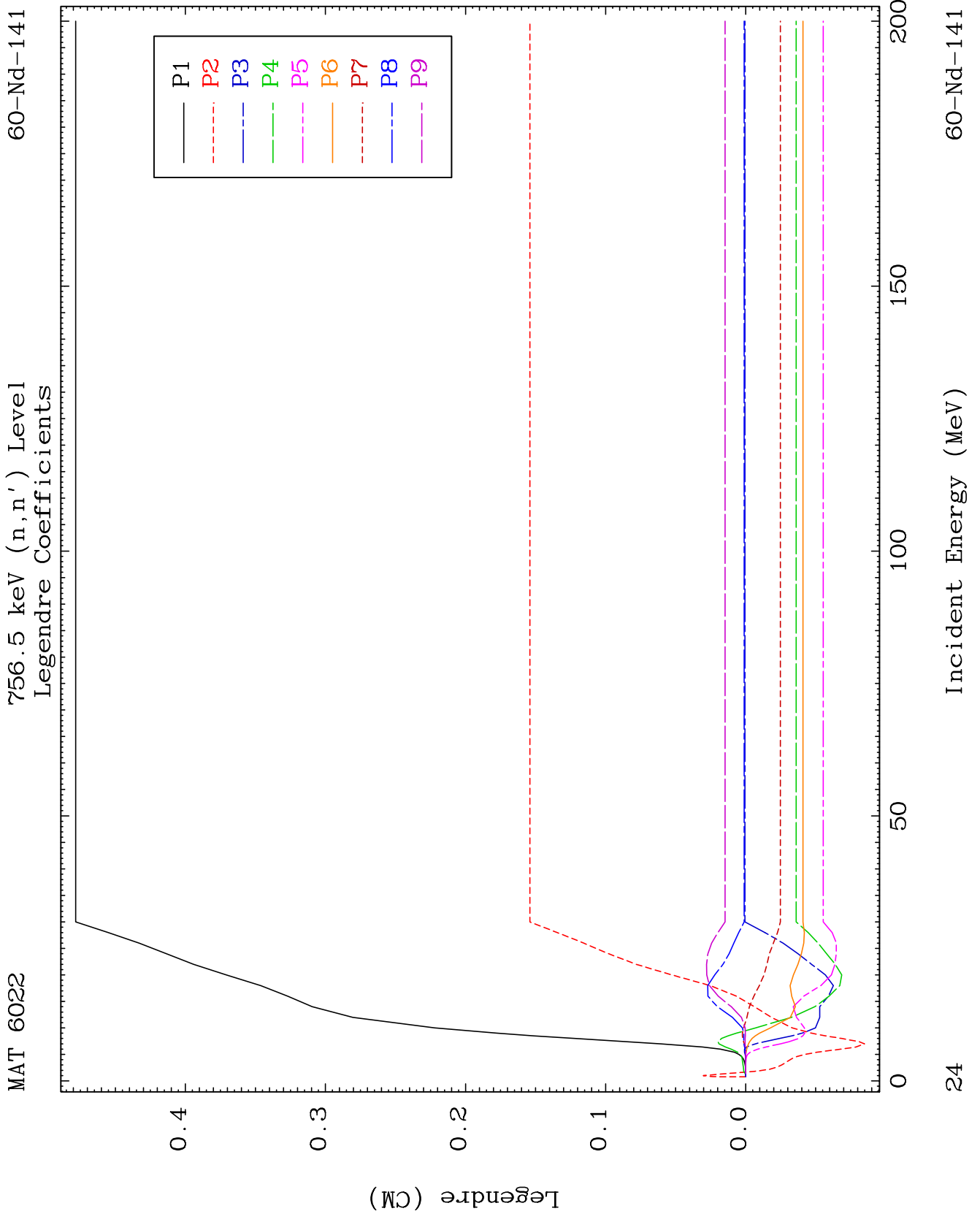
193.7 keV (n,n') Level
Legendre Coefficients

60-Nd-141



22

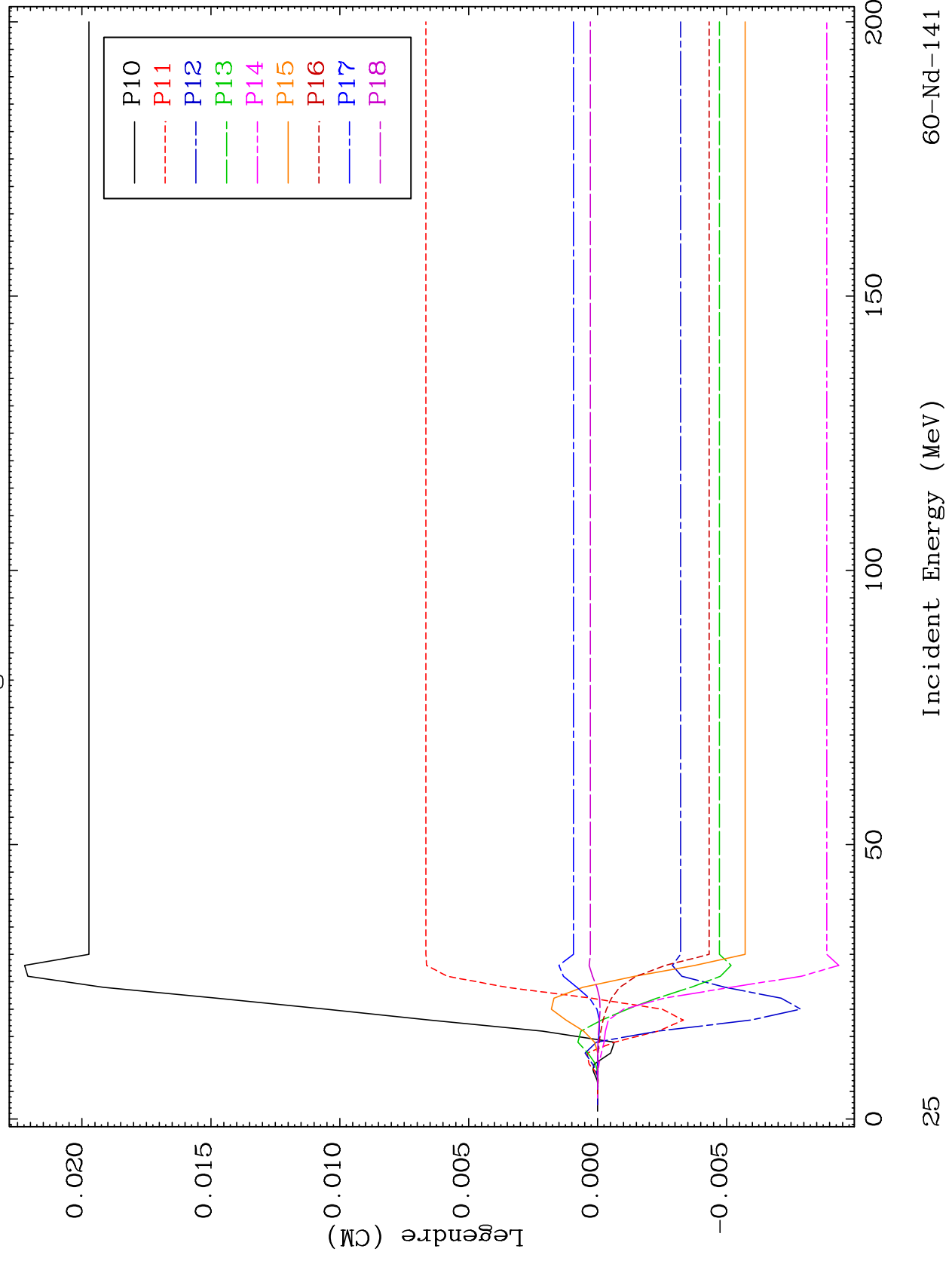




MAT 6022

756.5 keV (n,n') Level
Legendre Coefficients

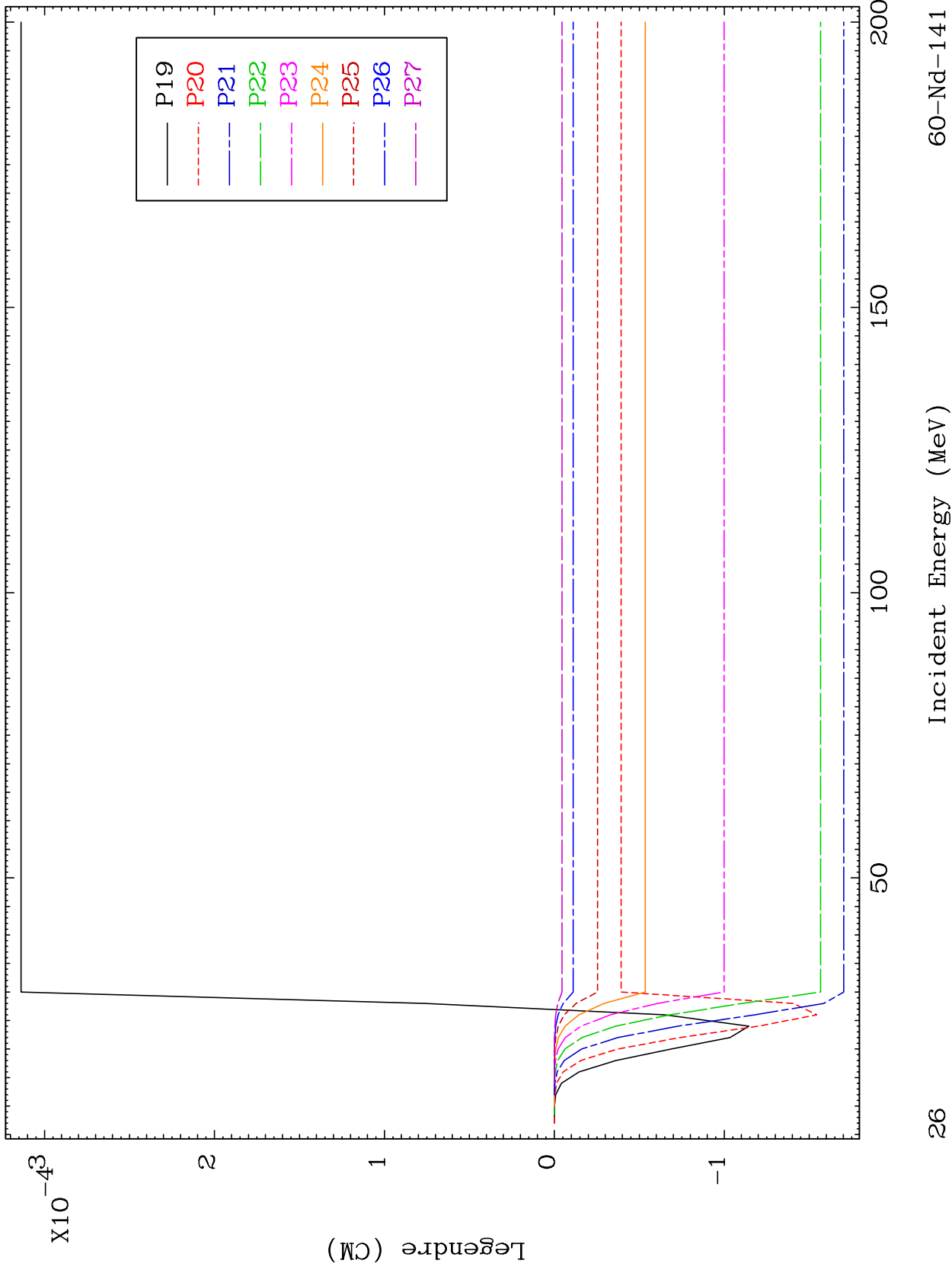
60-Nd-141

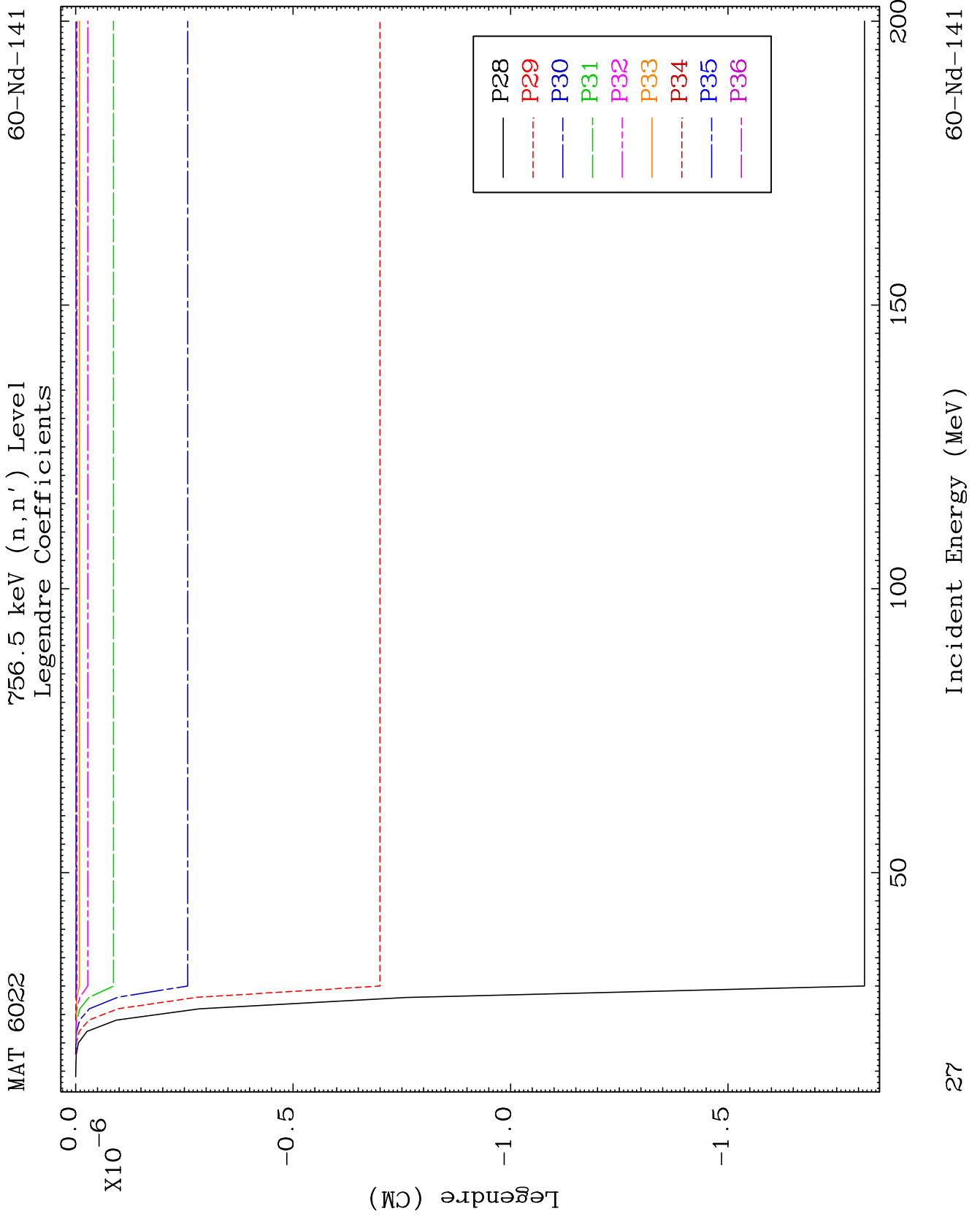


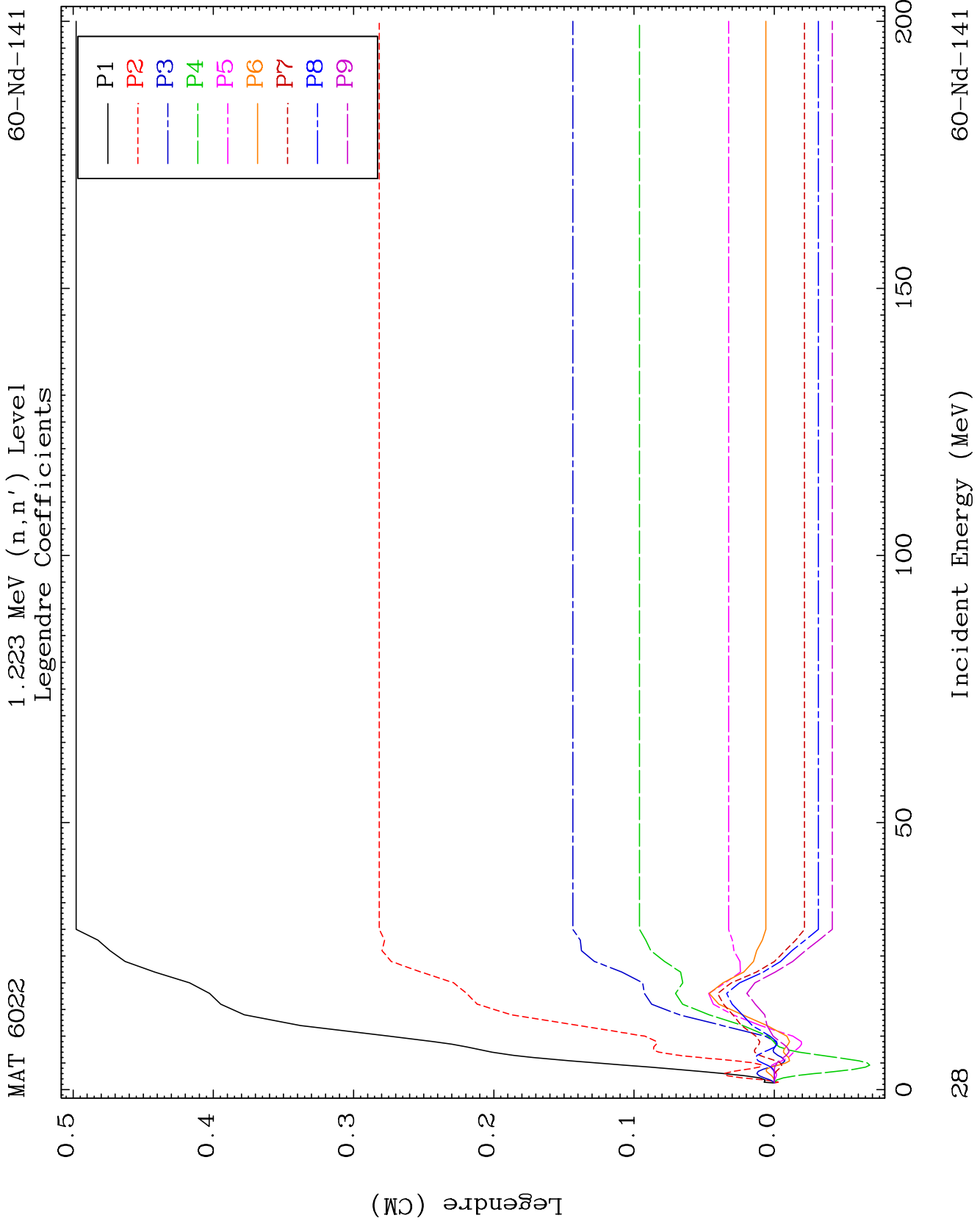
60-Nd-141

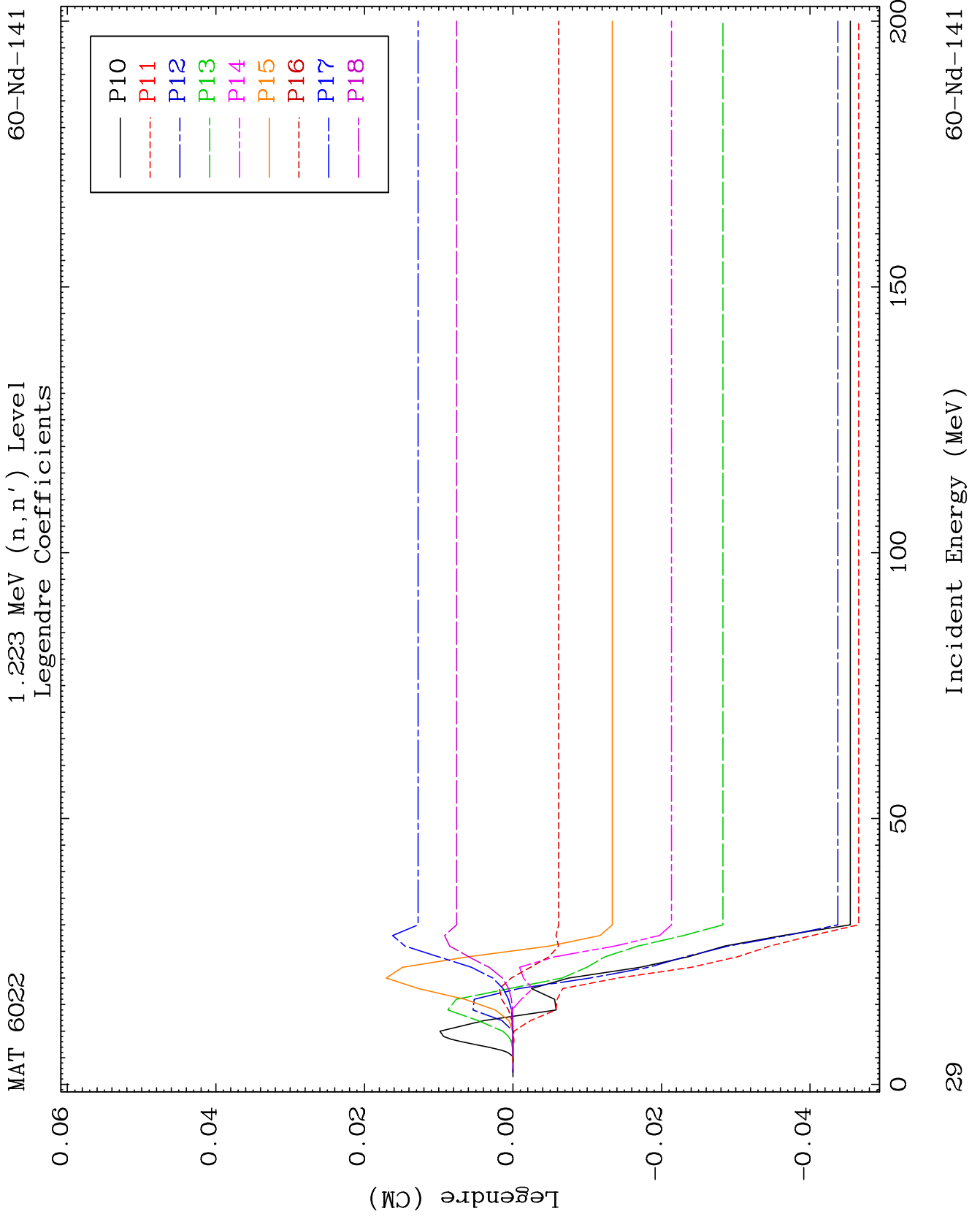
Incident Energy (MeV)

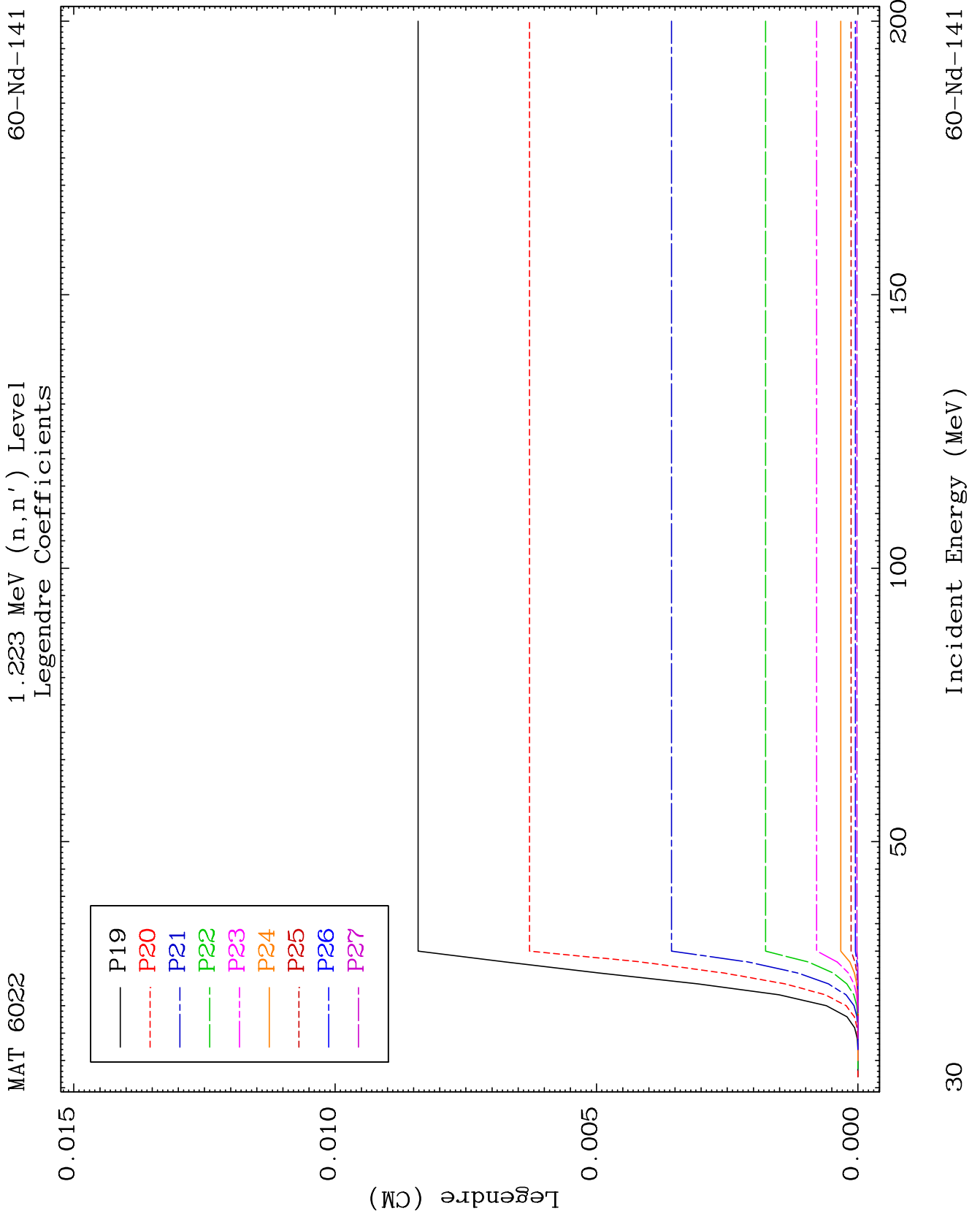
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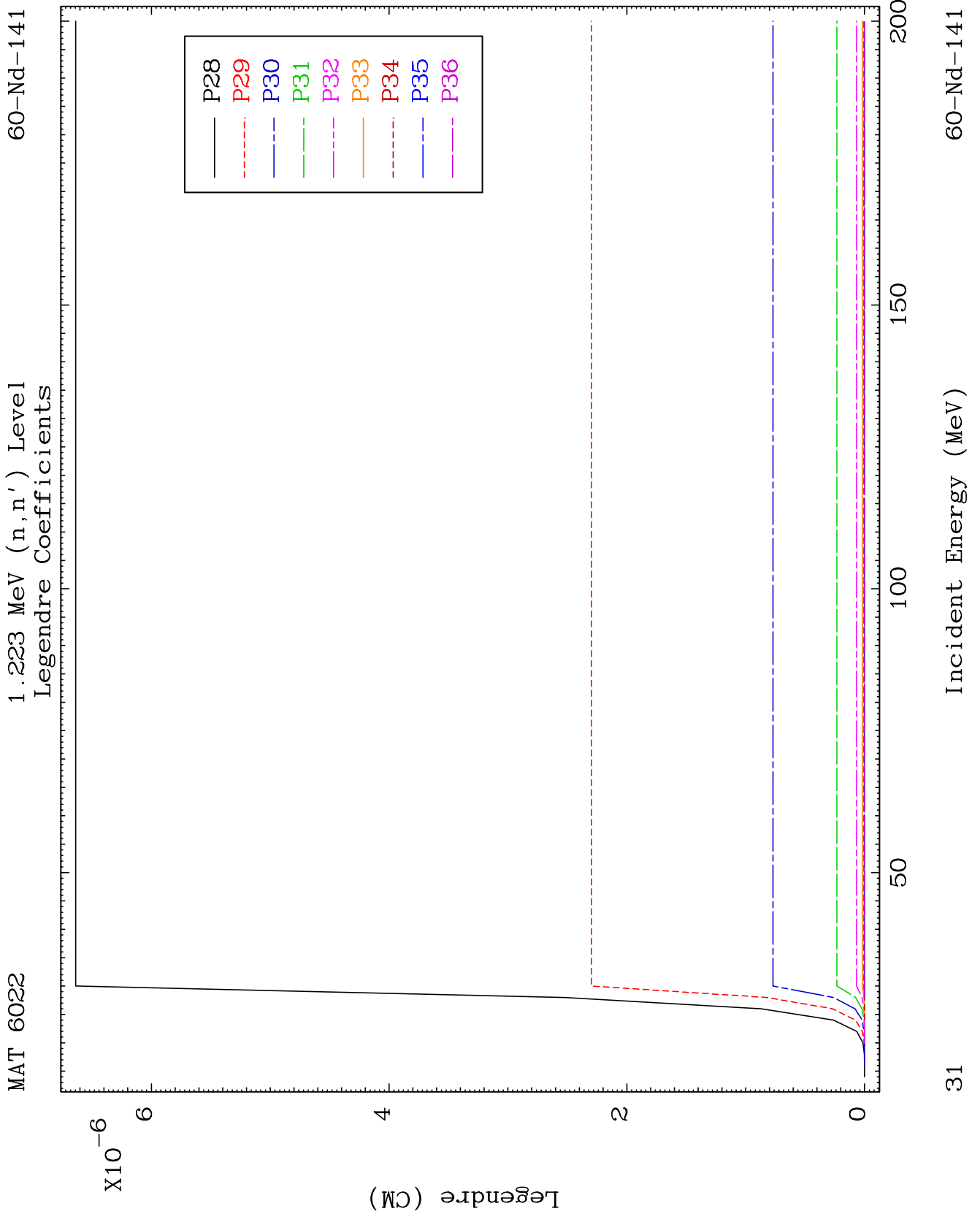


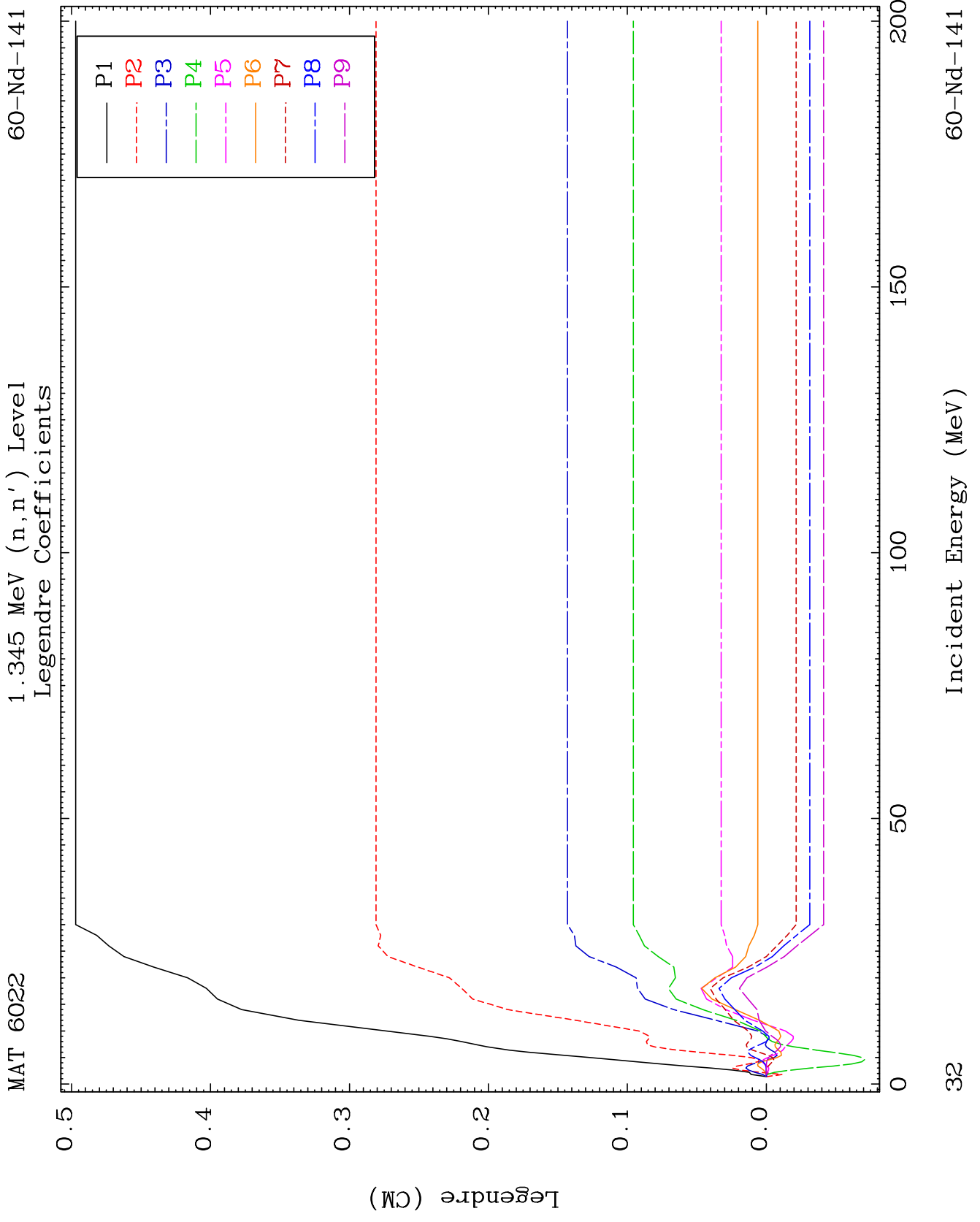


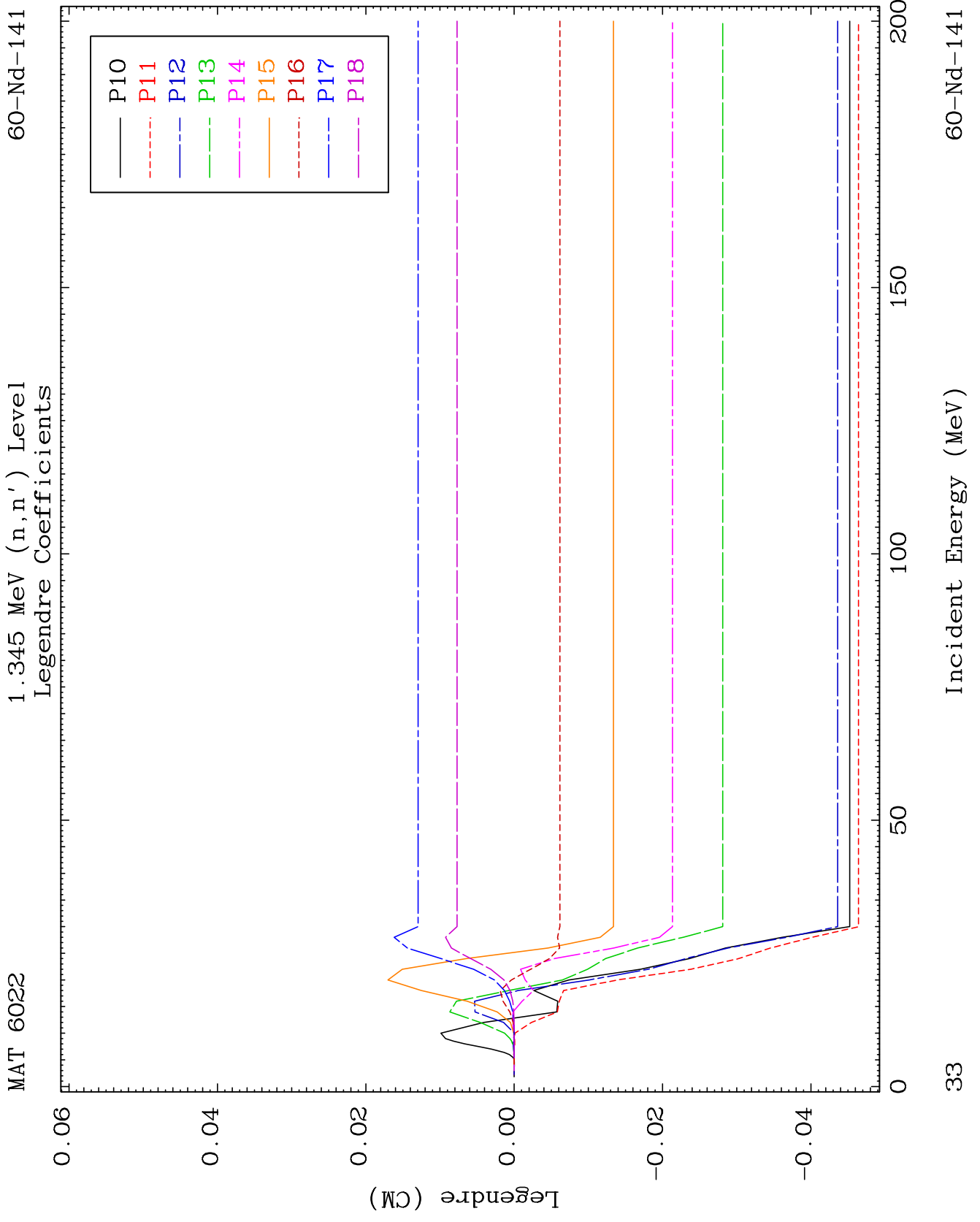


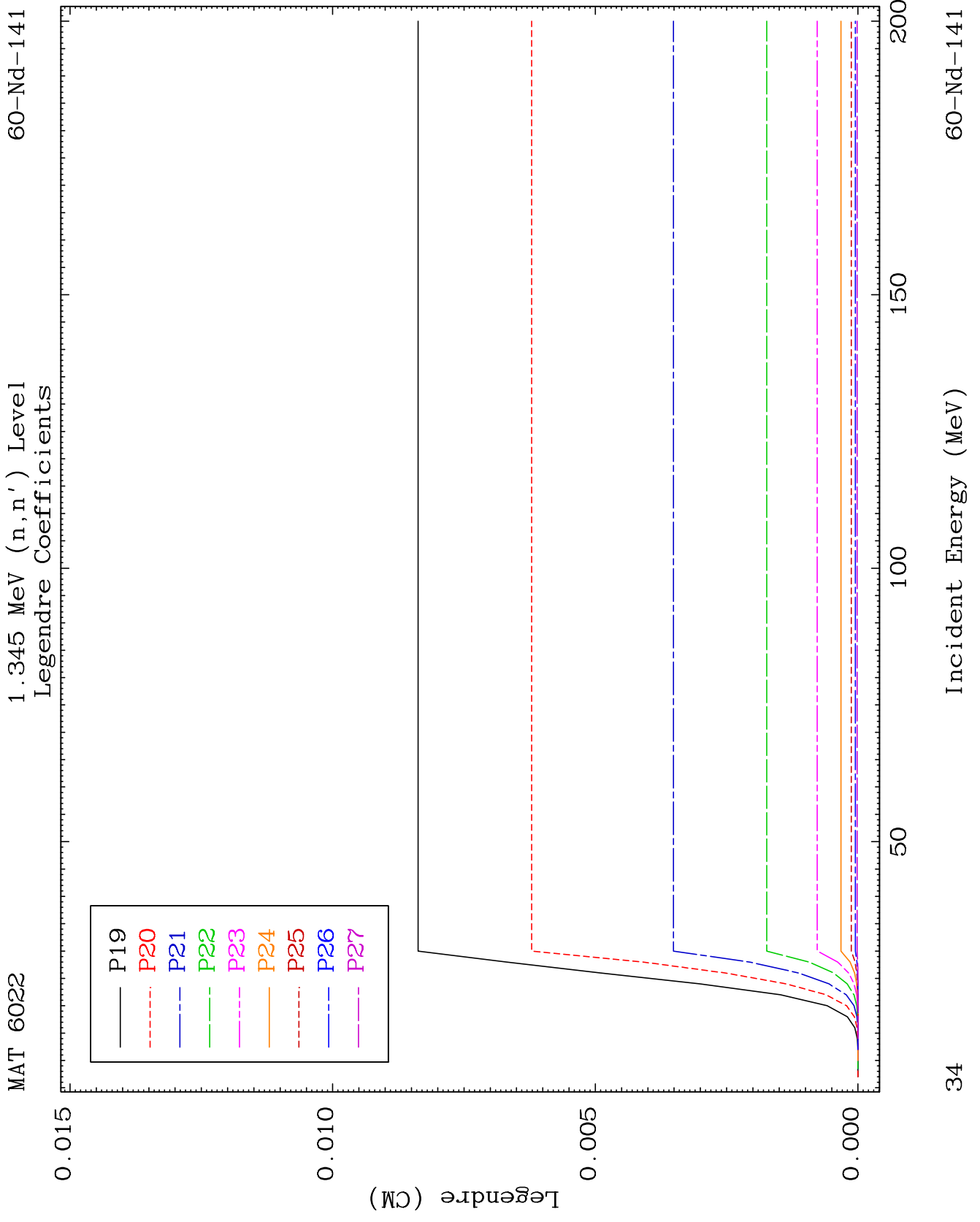


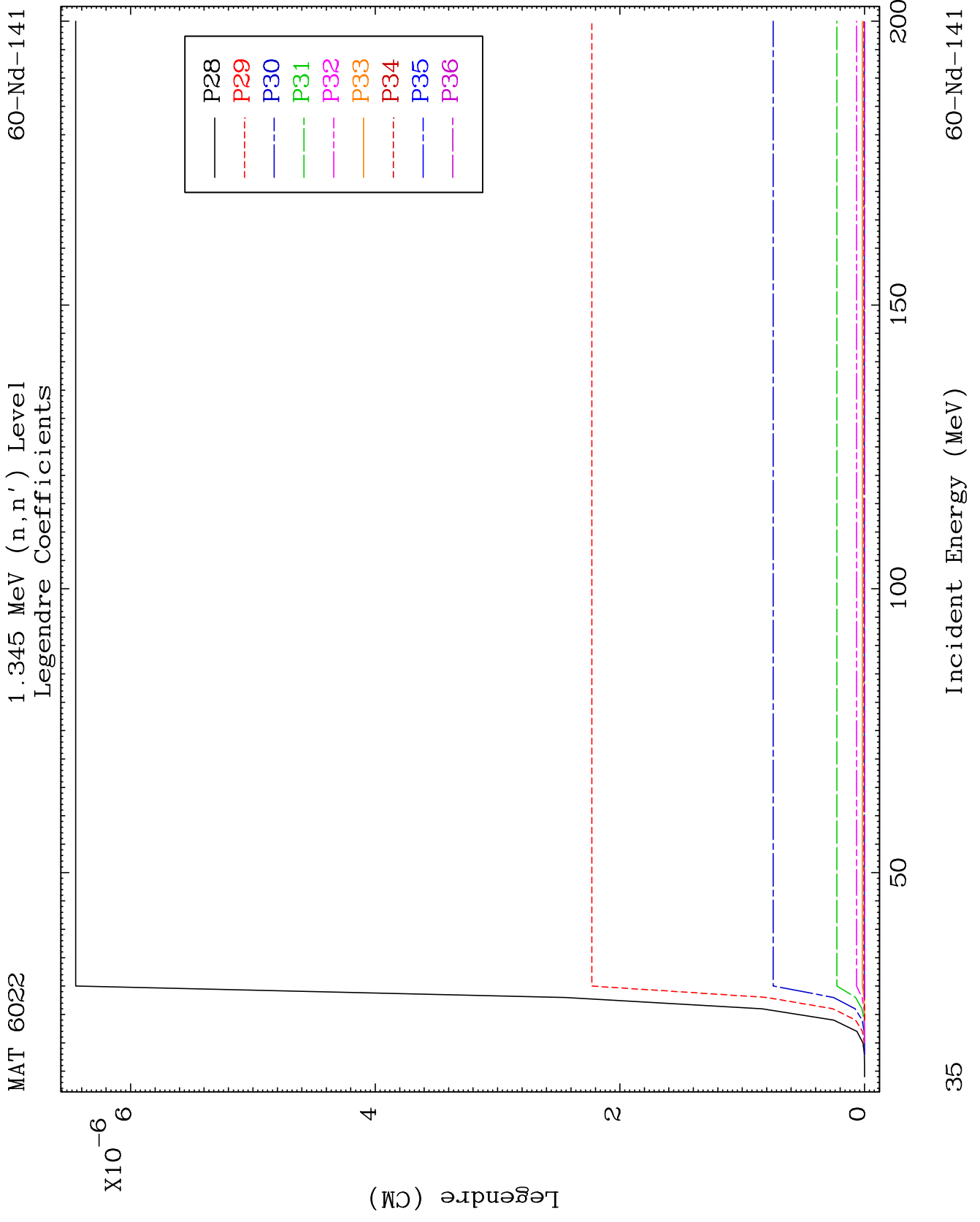


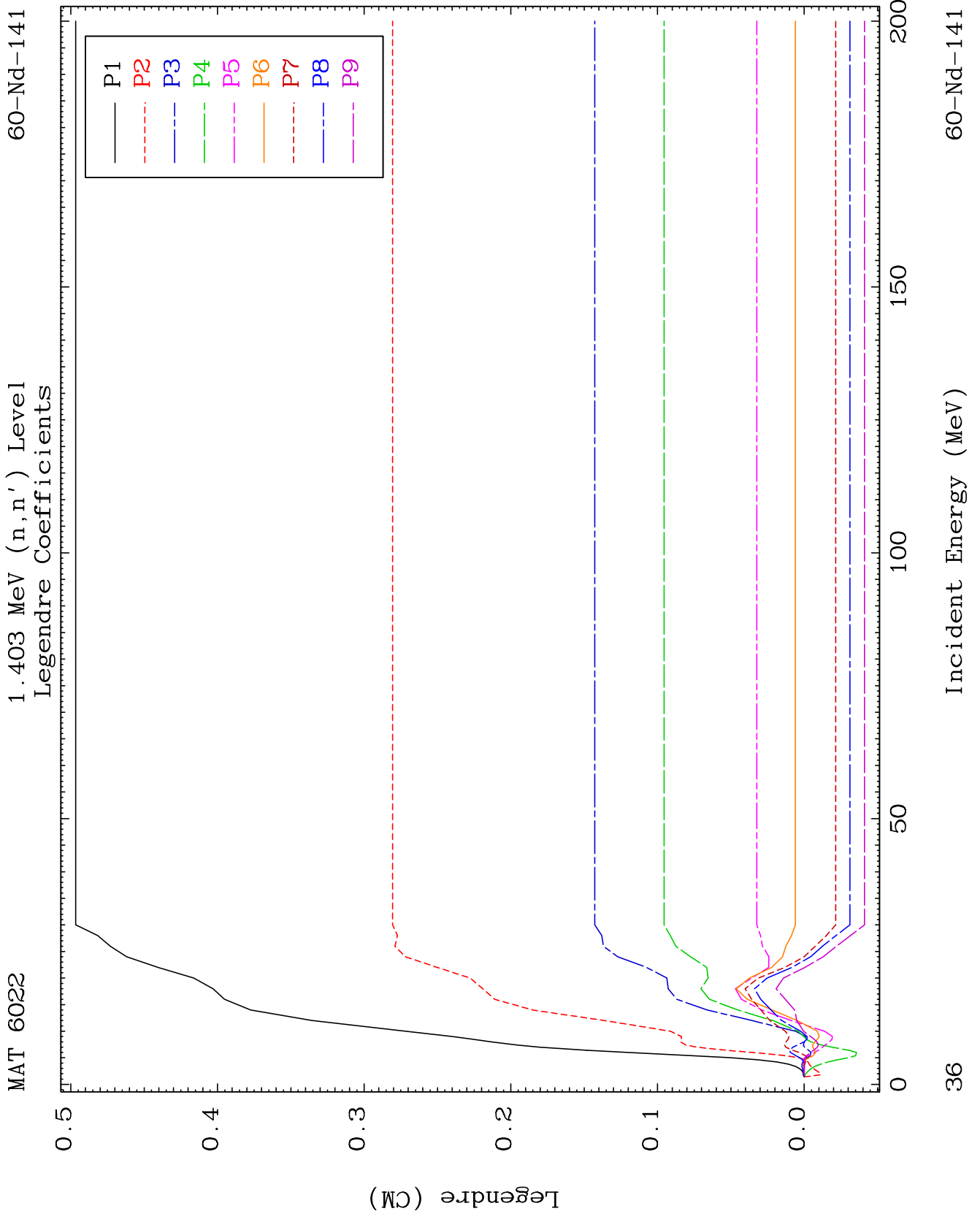


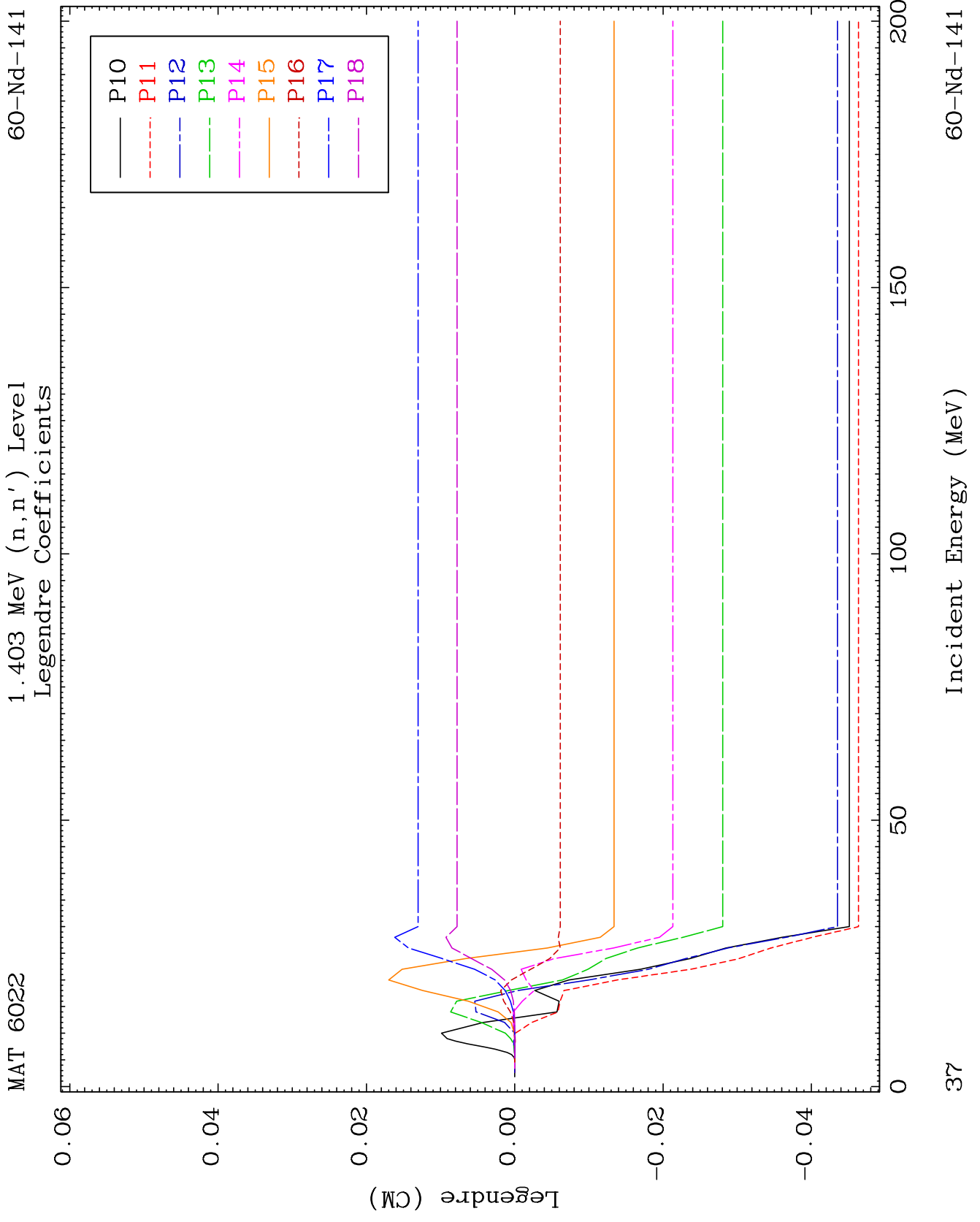


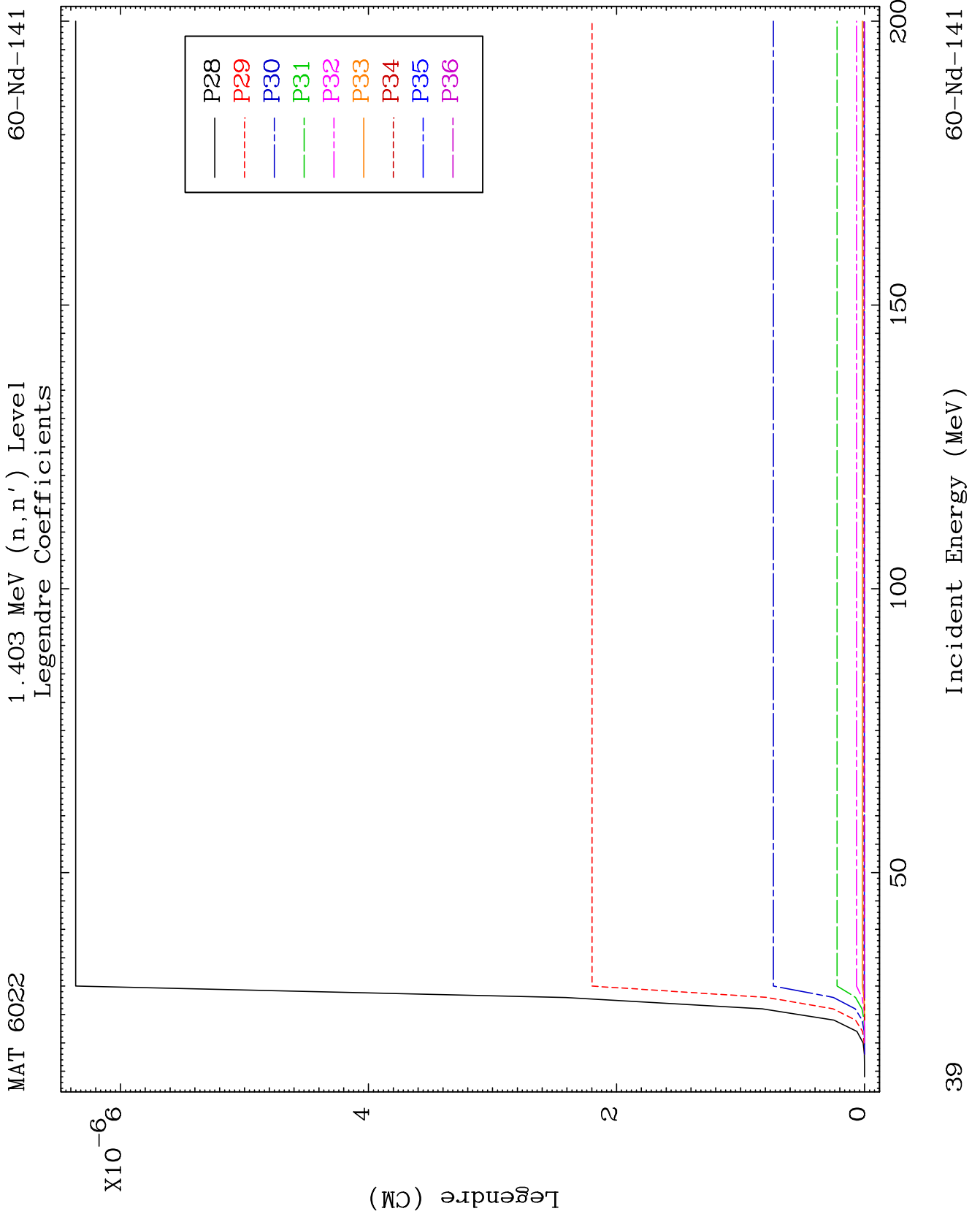


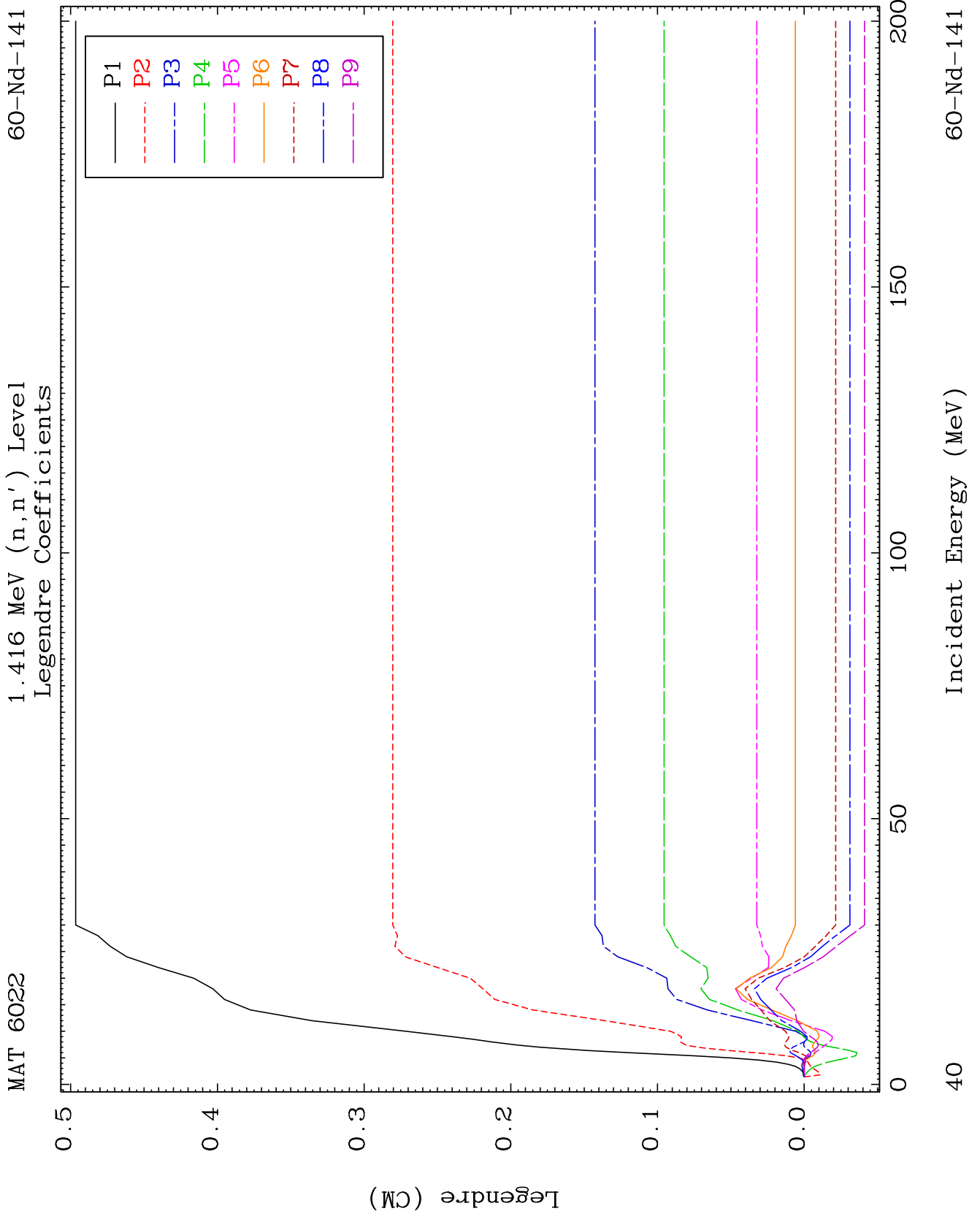


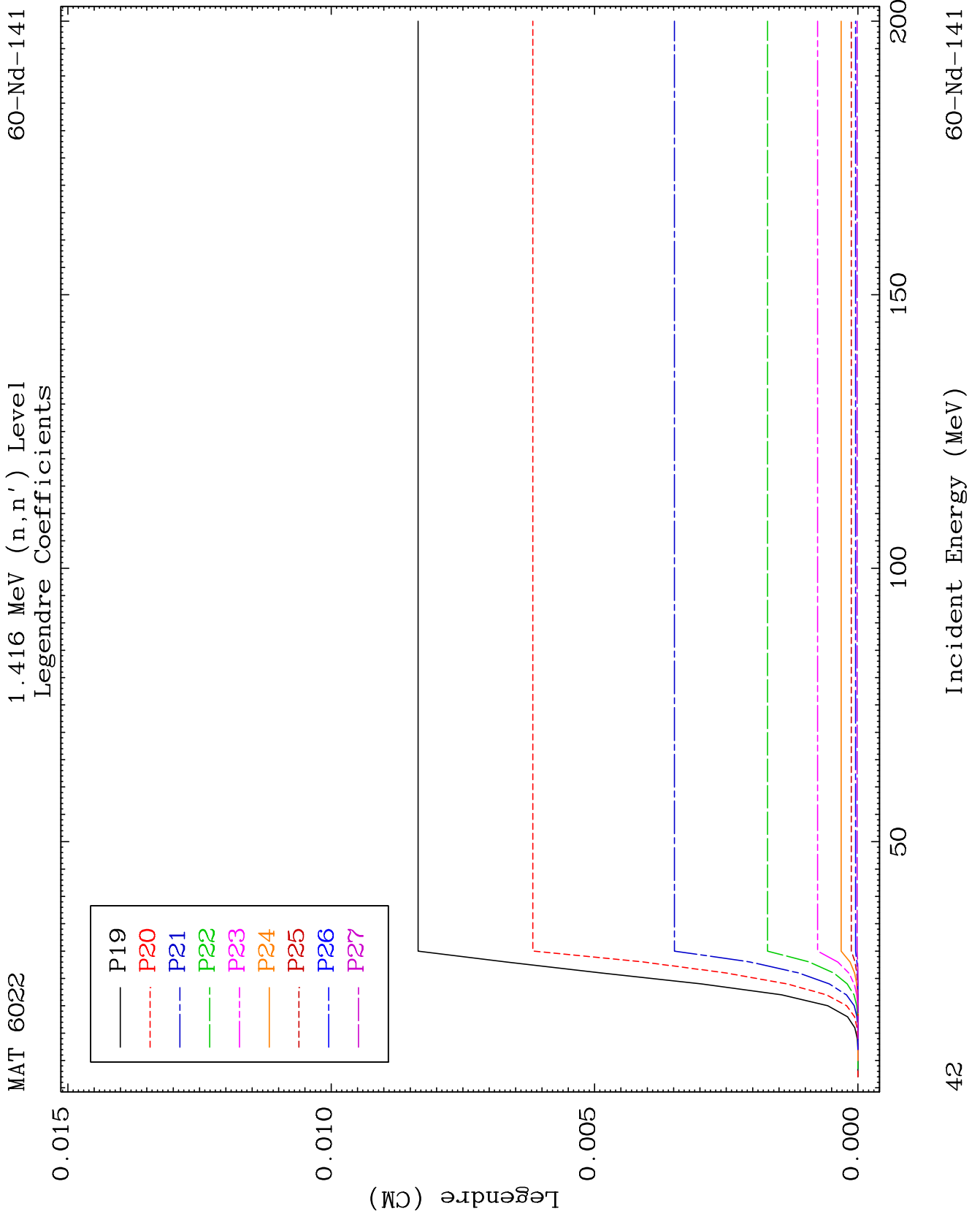


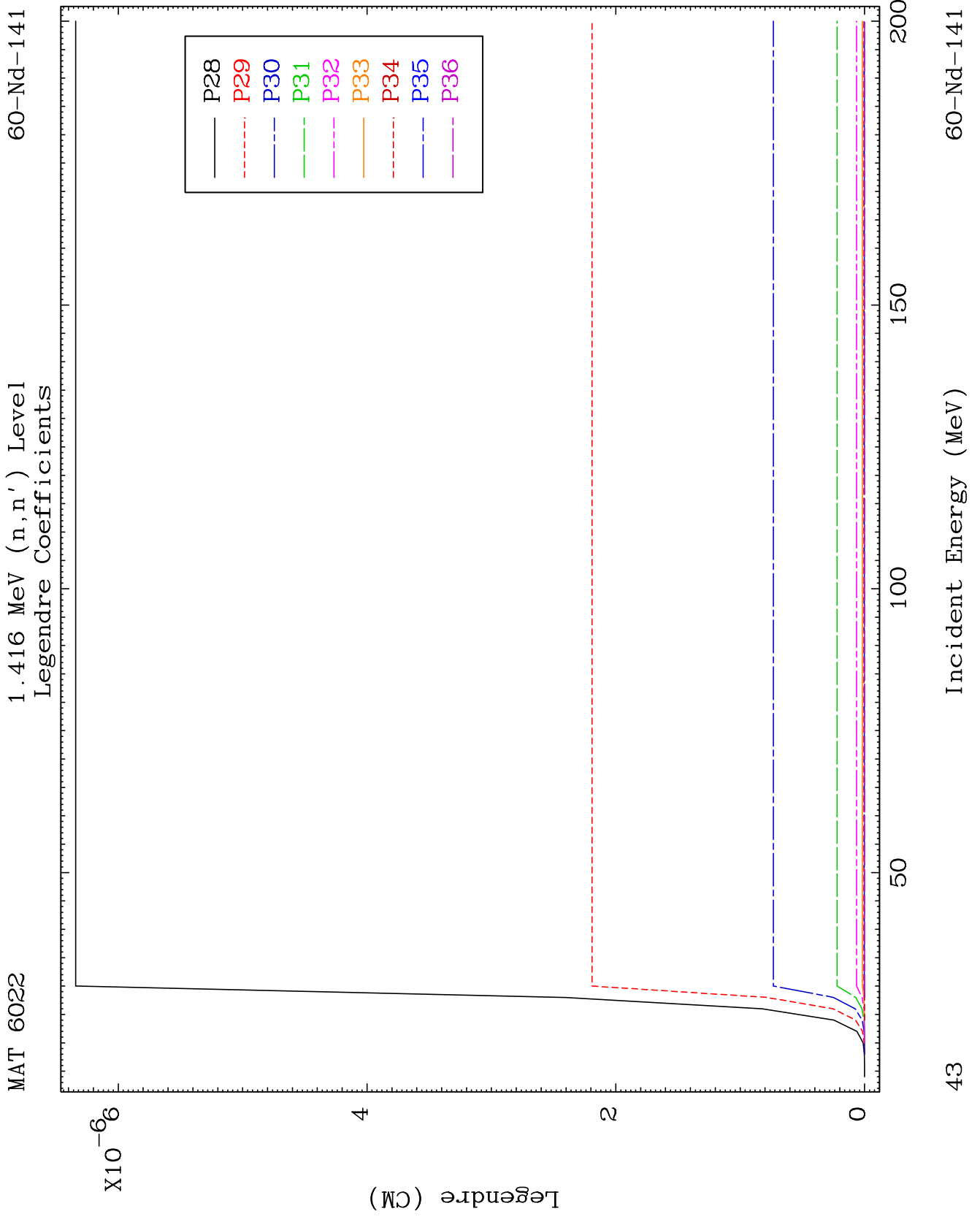


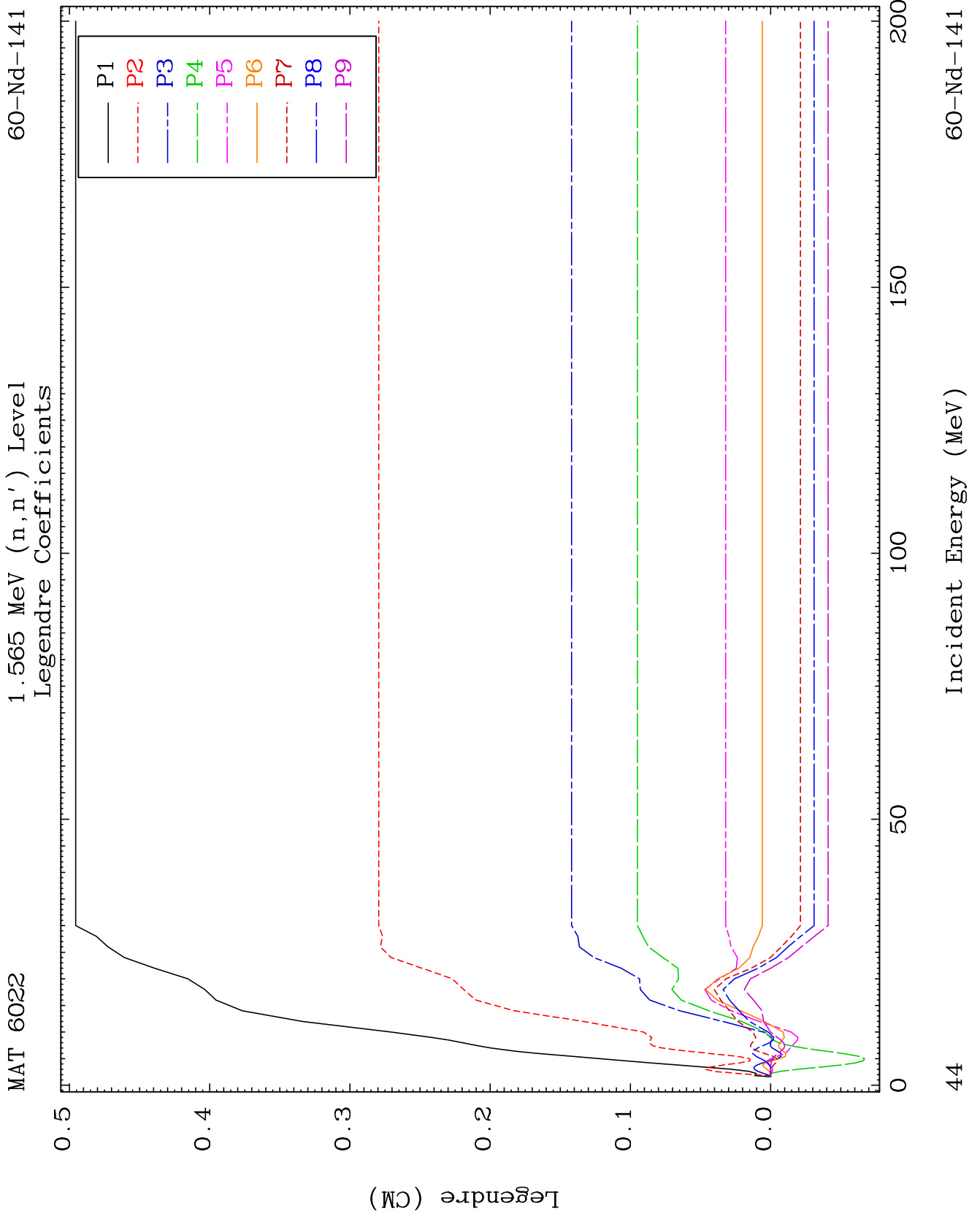


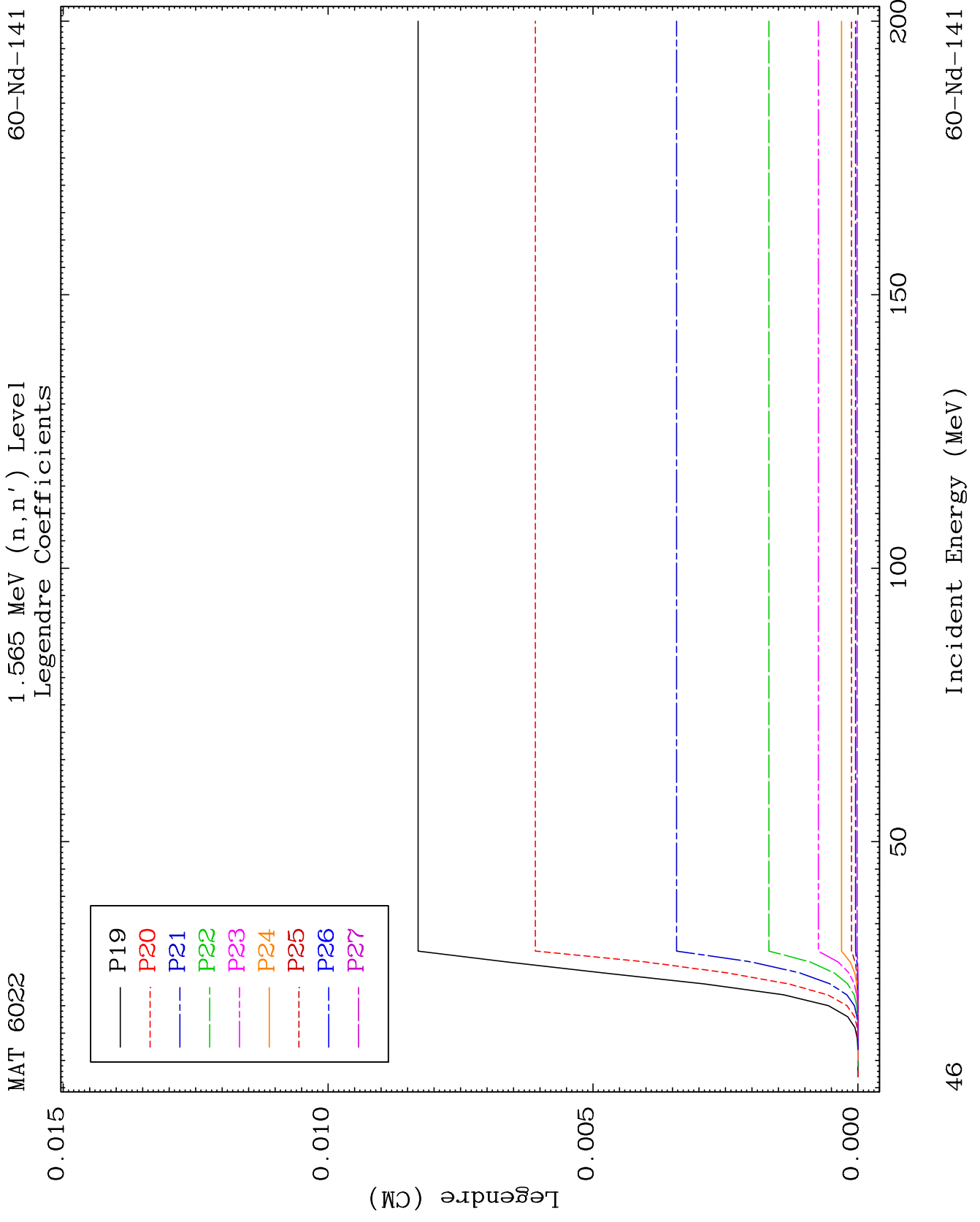


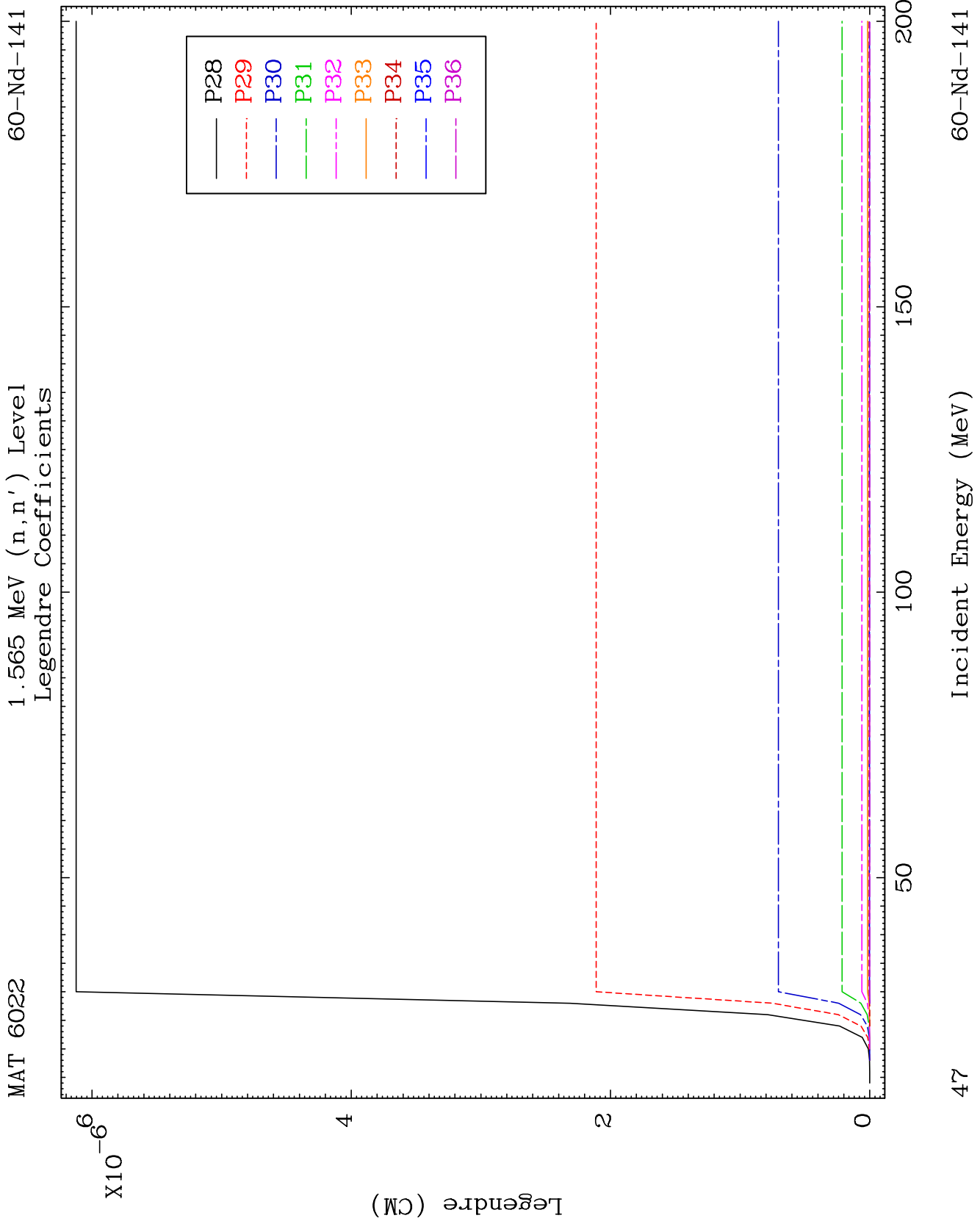


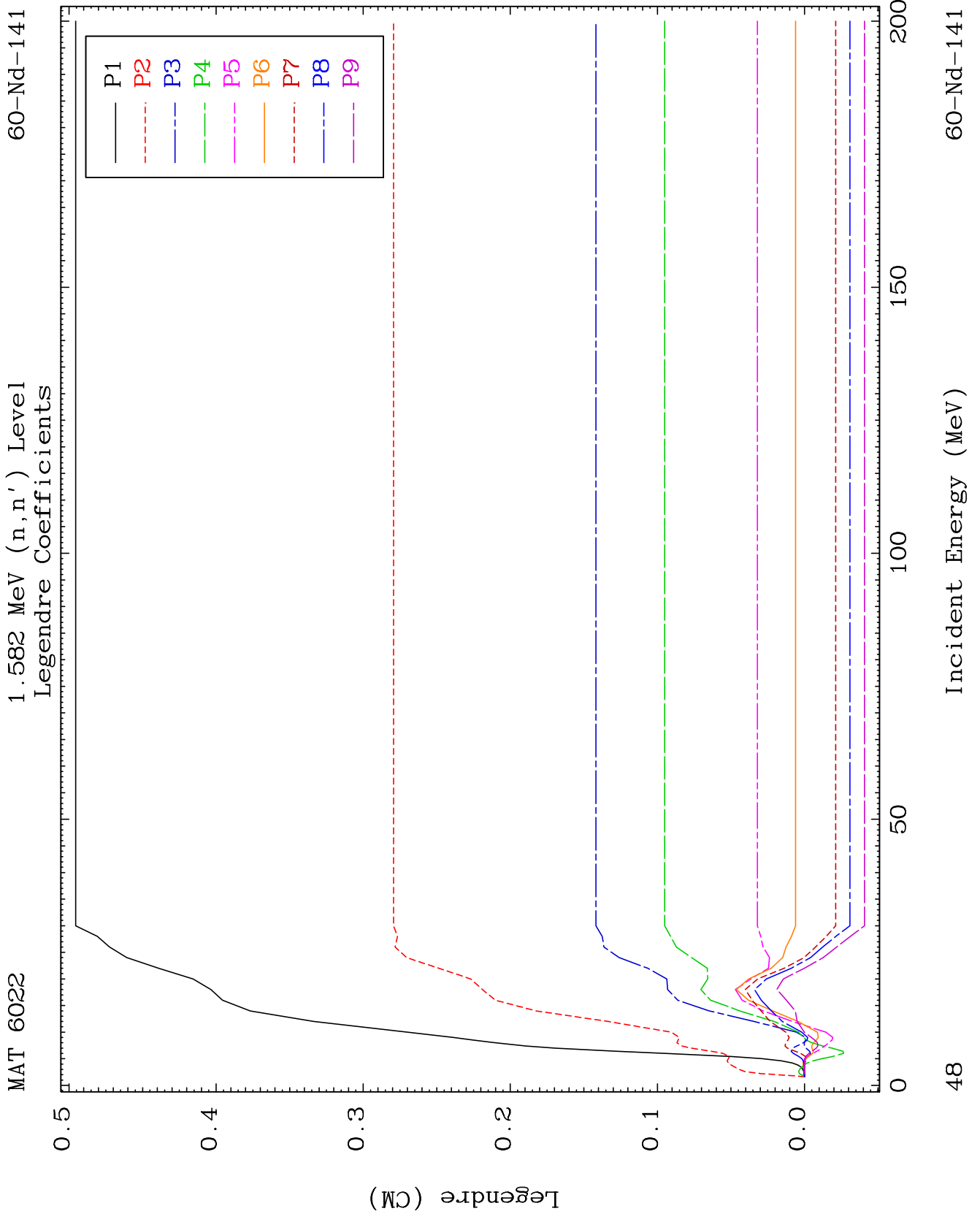


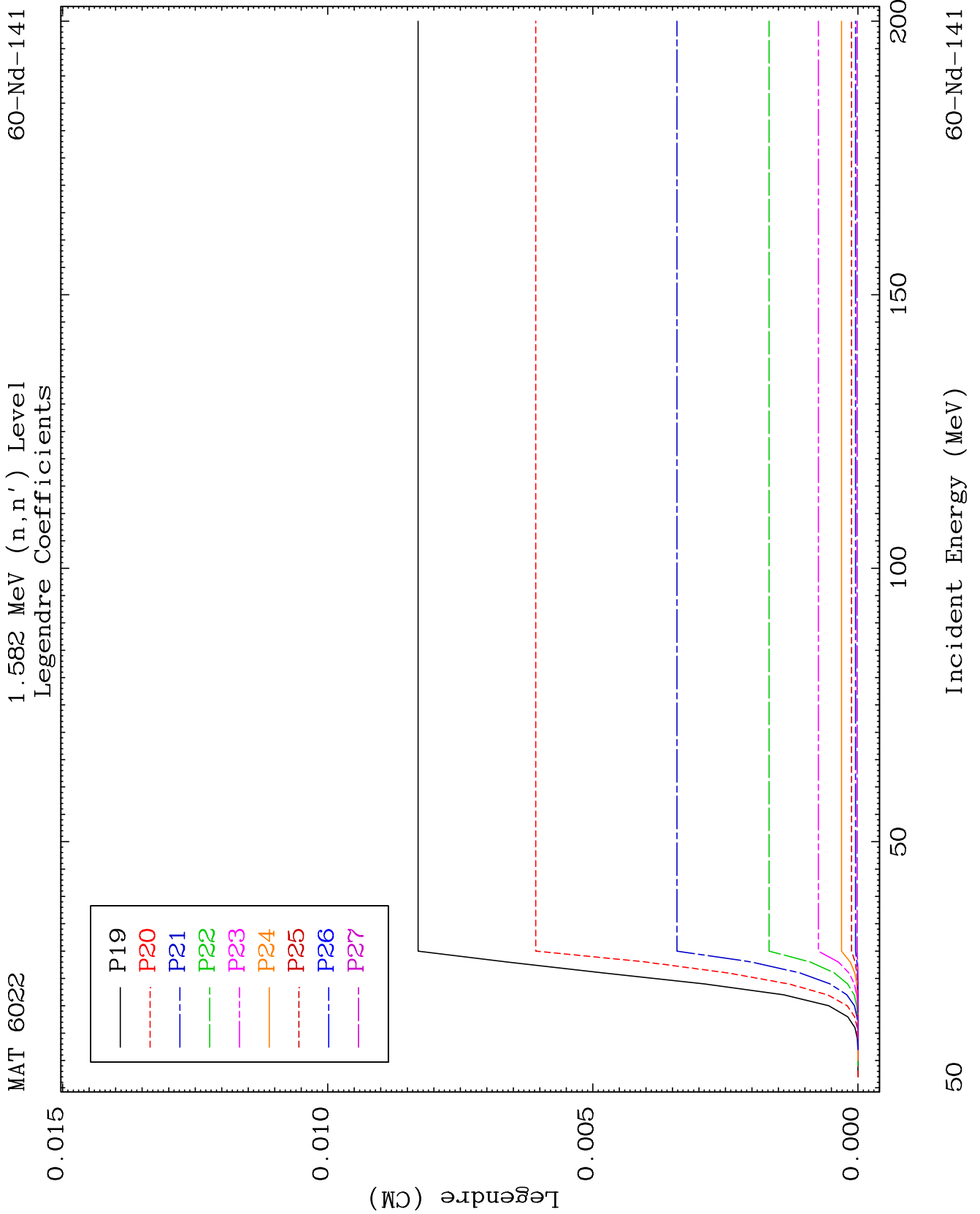


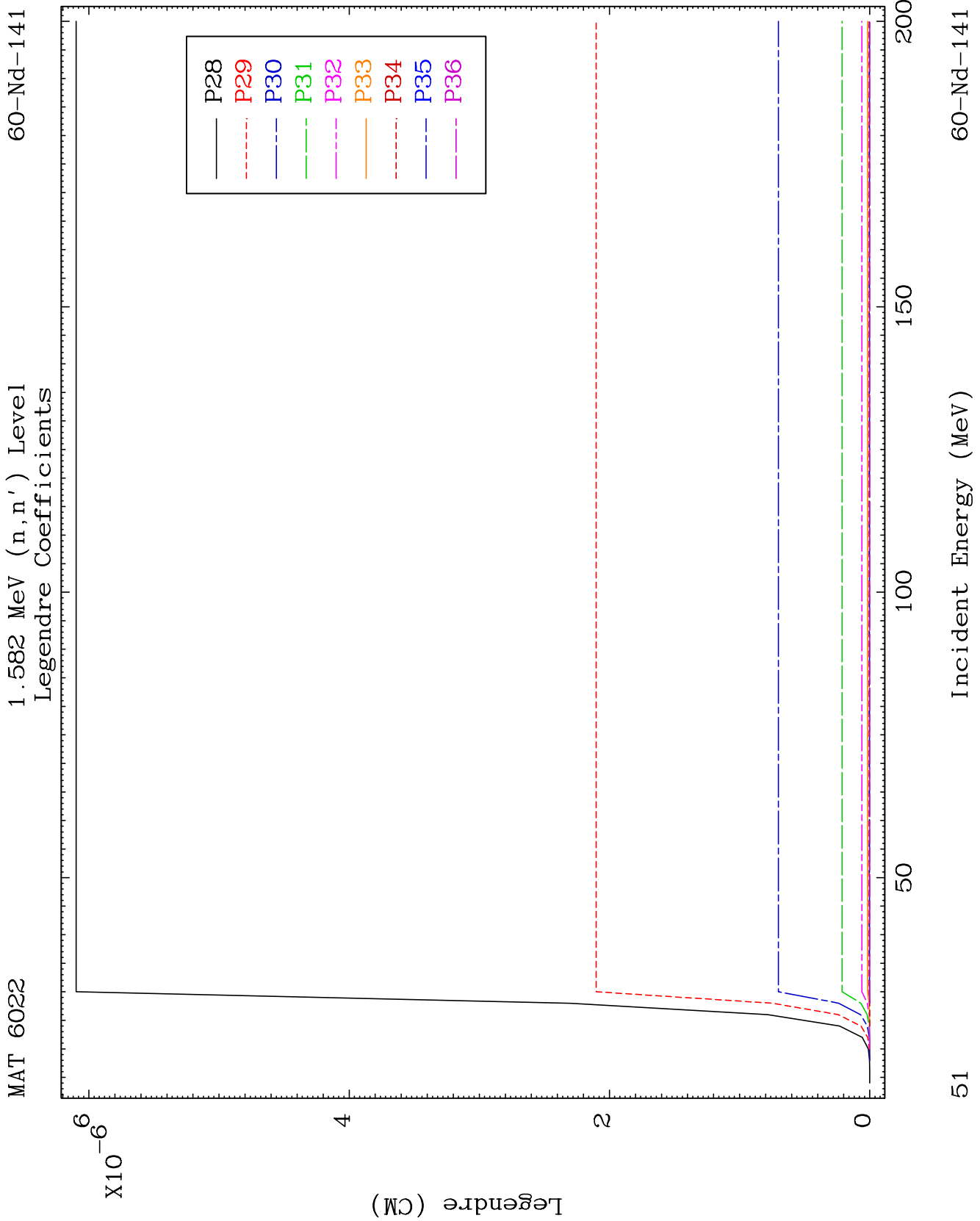


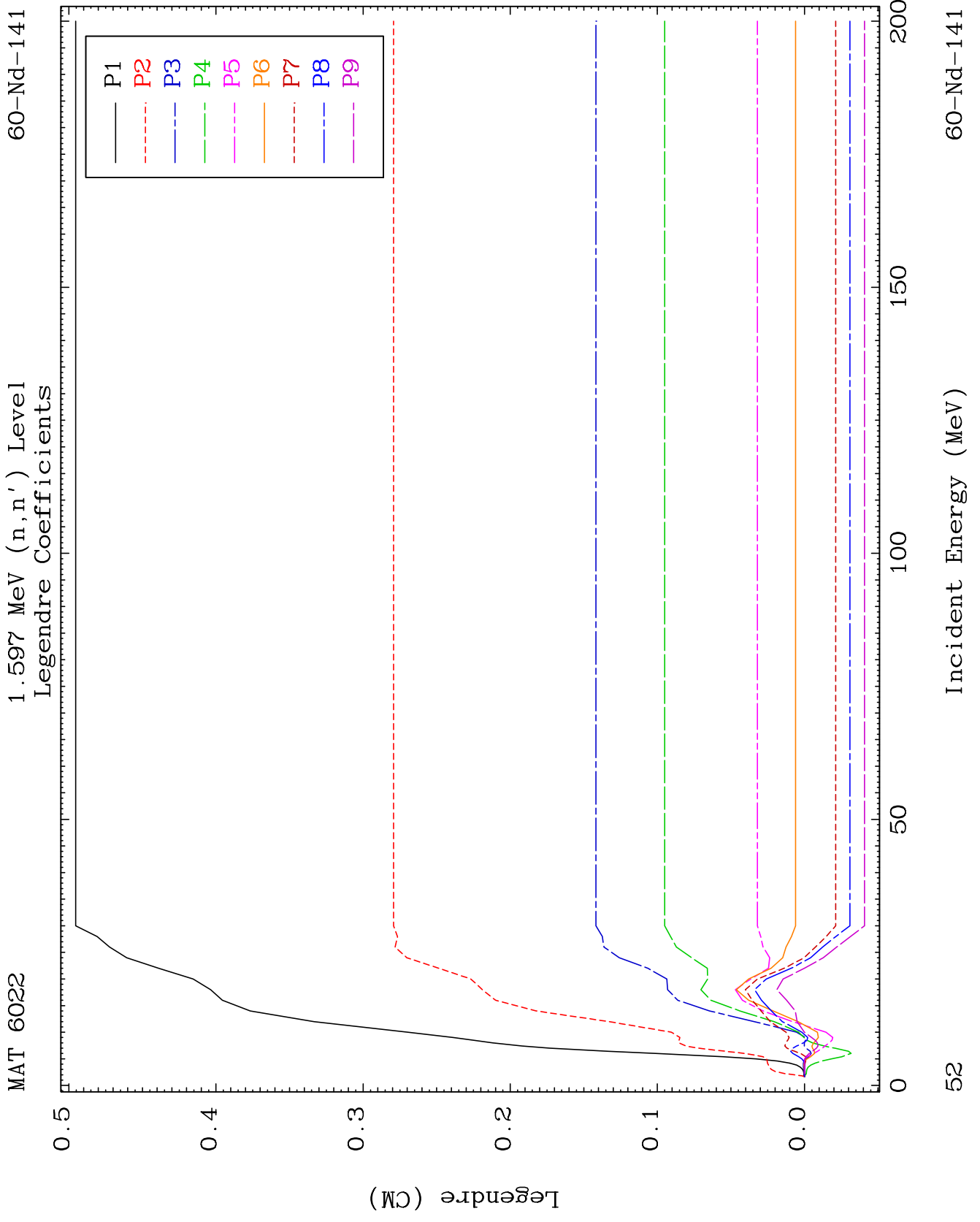


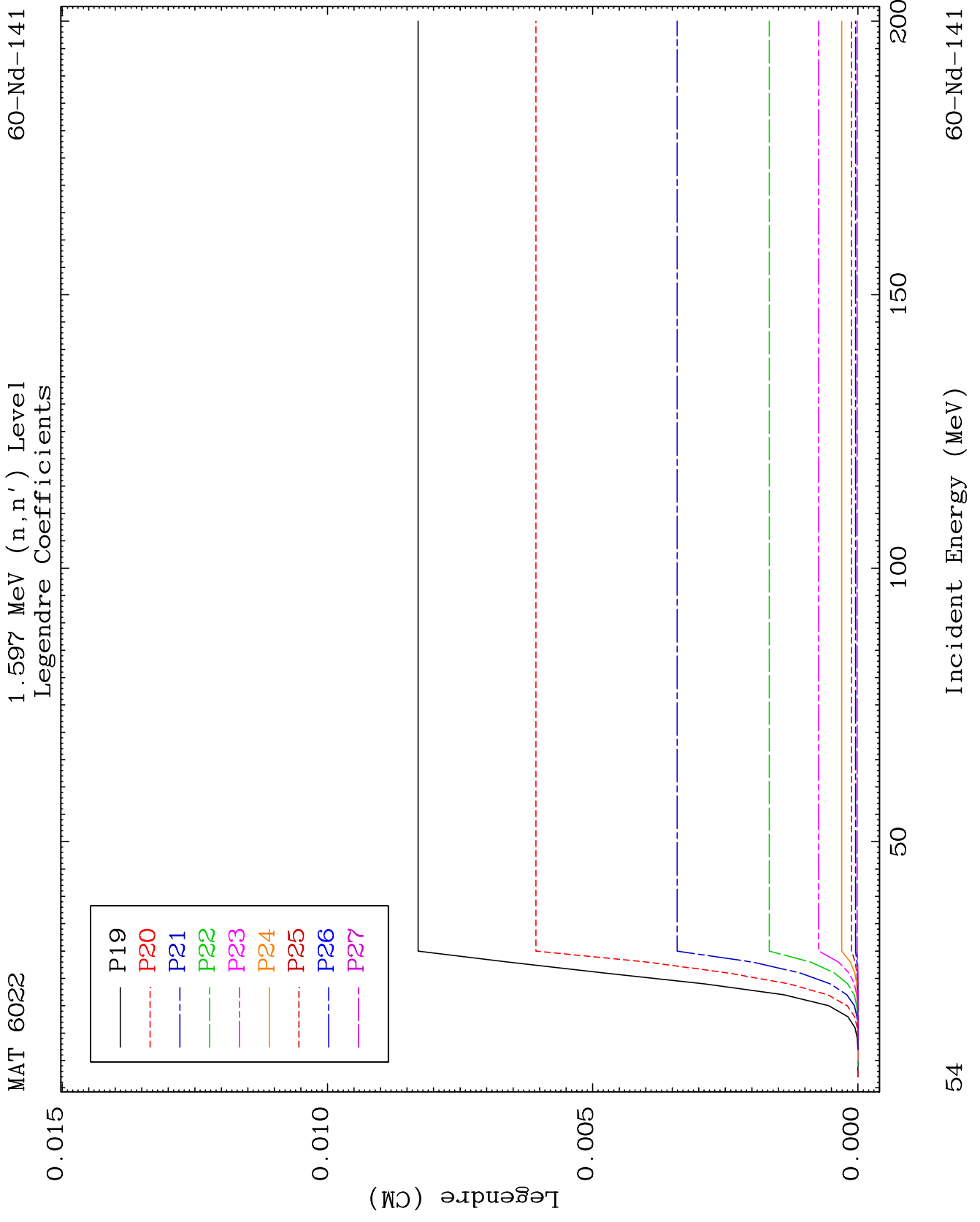


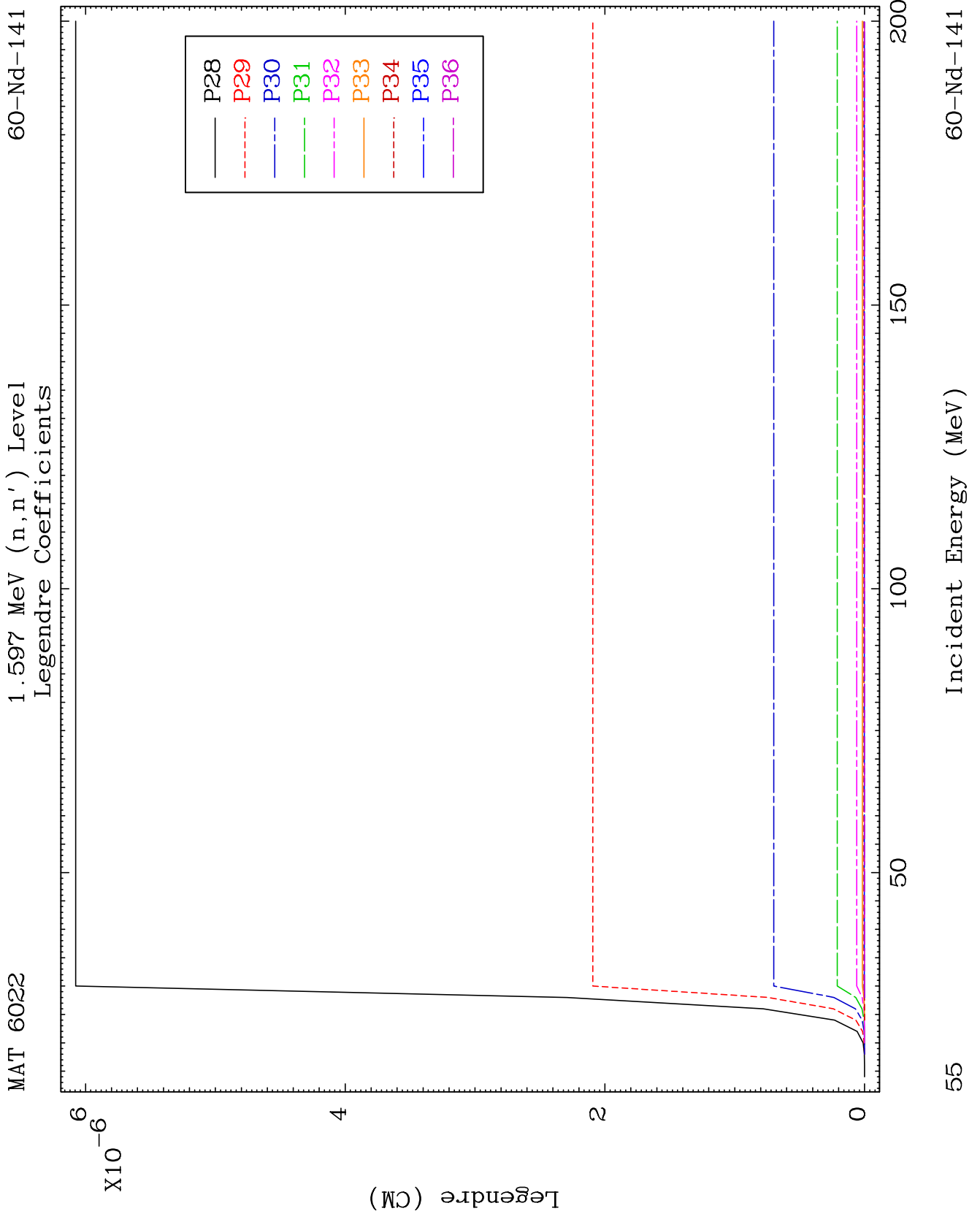


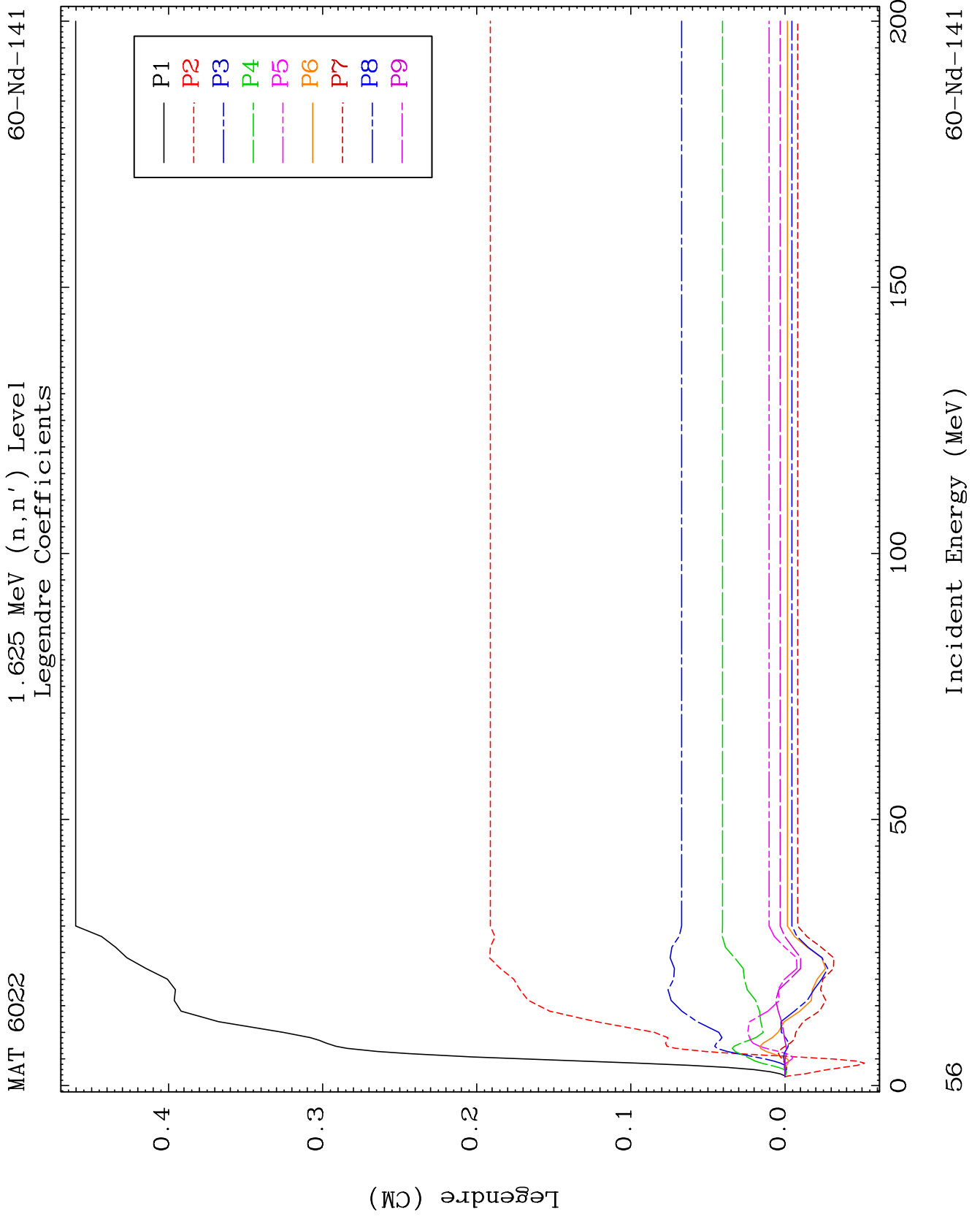








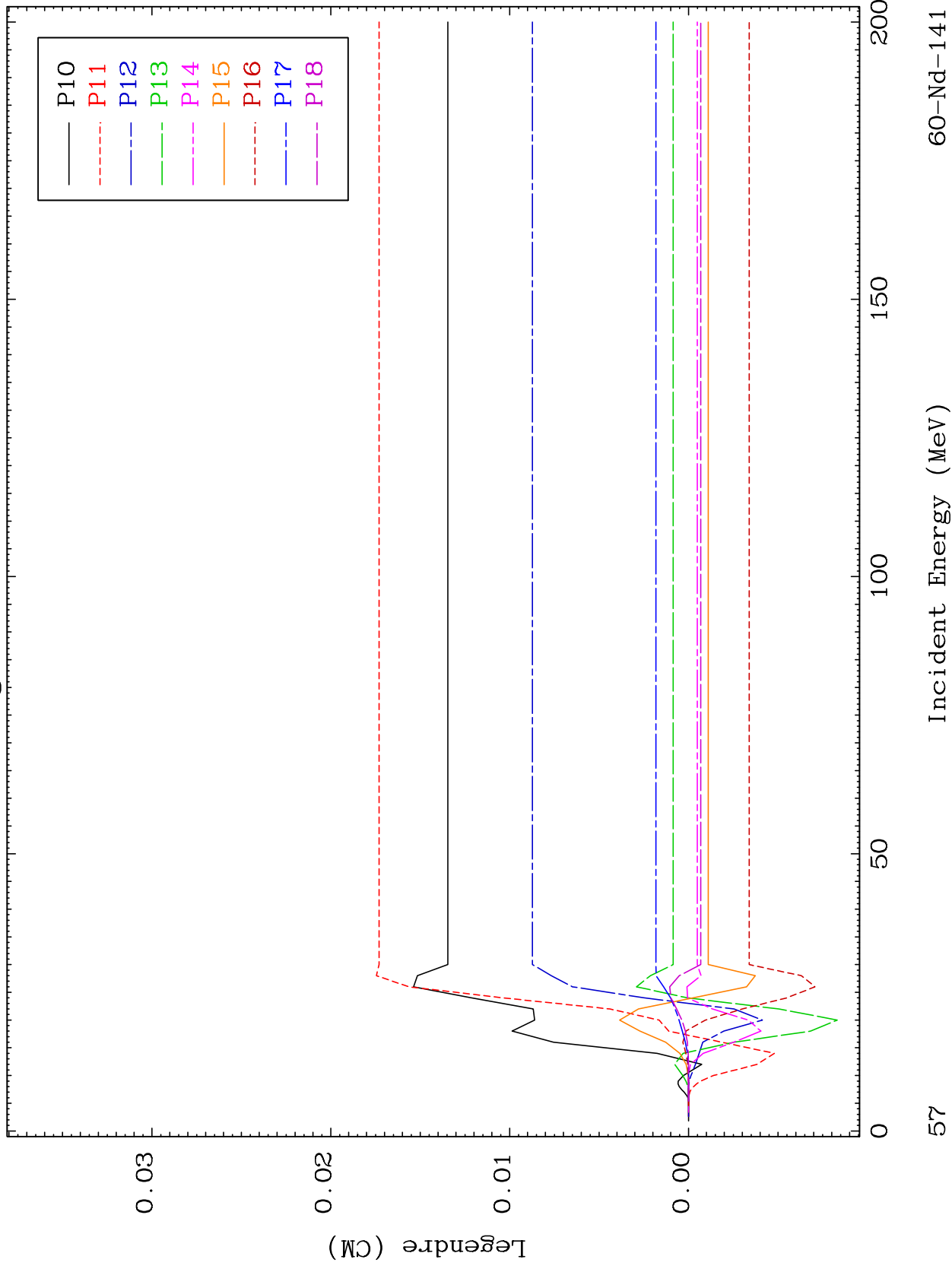




MAT 6022

1.625 MeV (n,n') Level
Legendre Coefficients

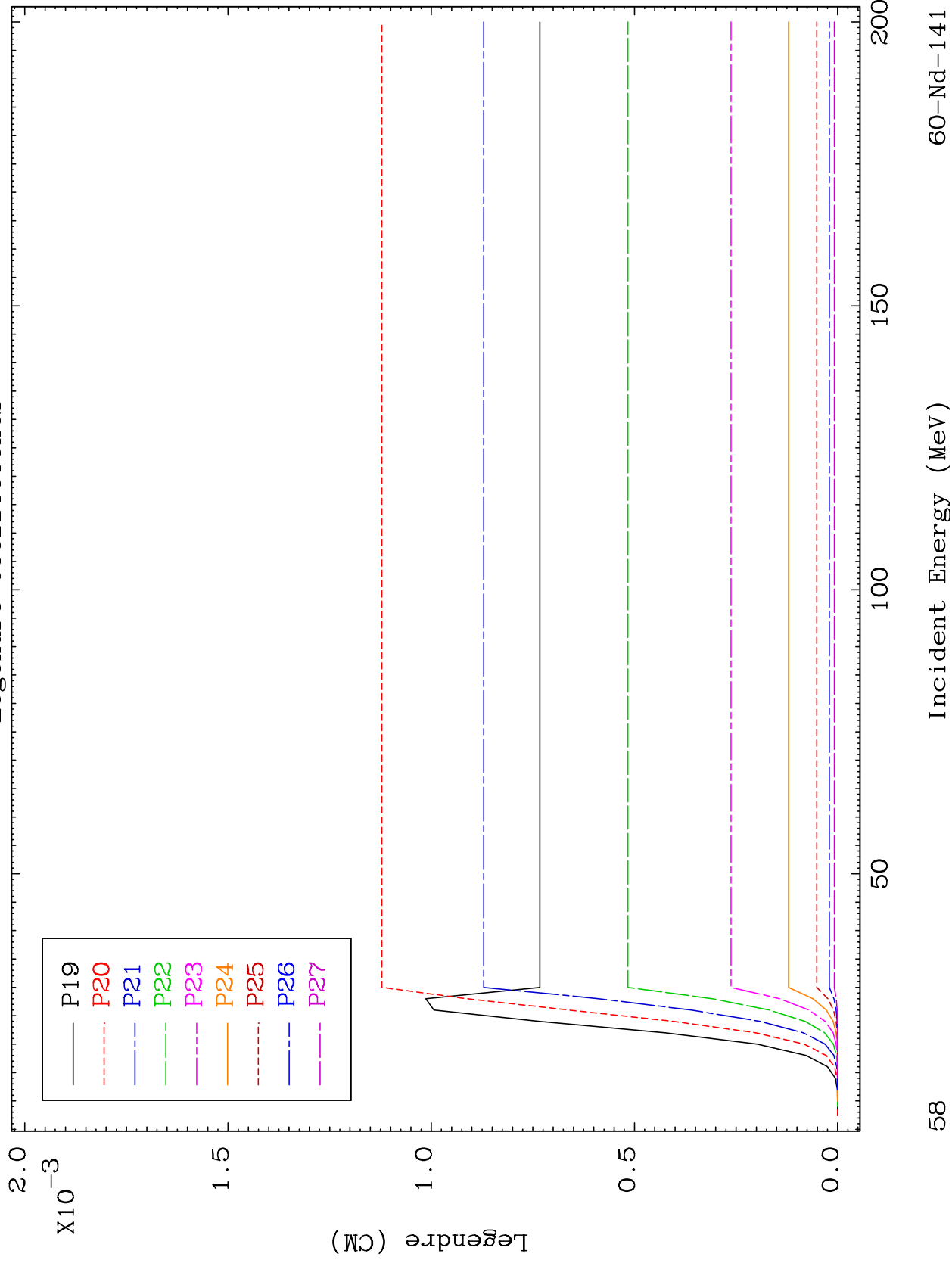
60-Nd-141

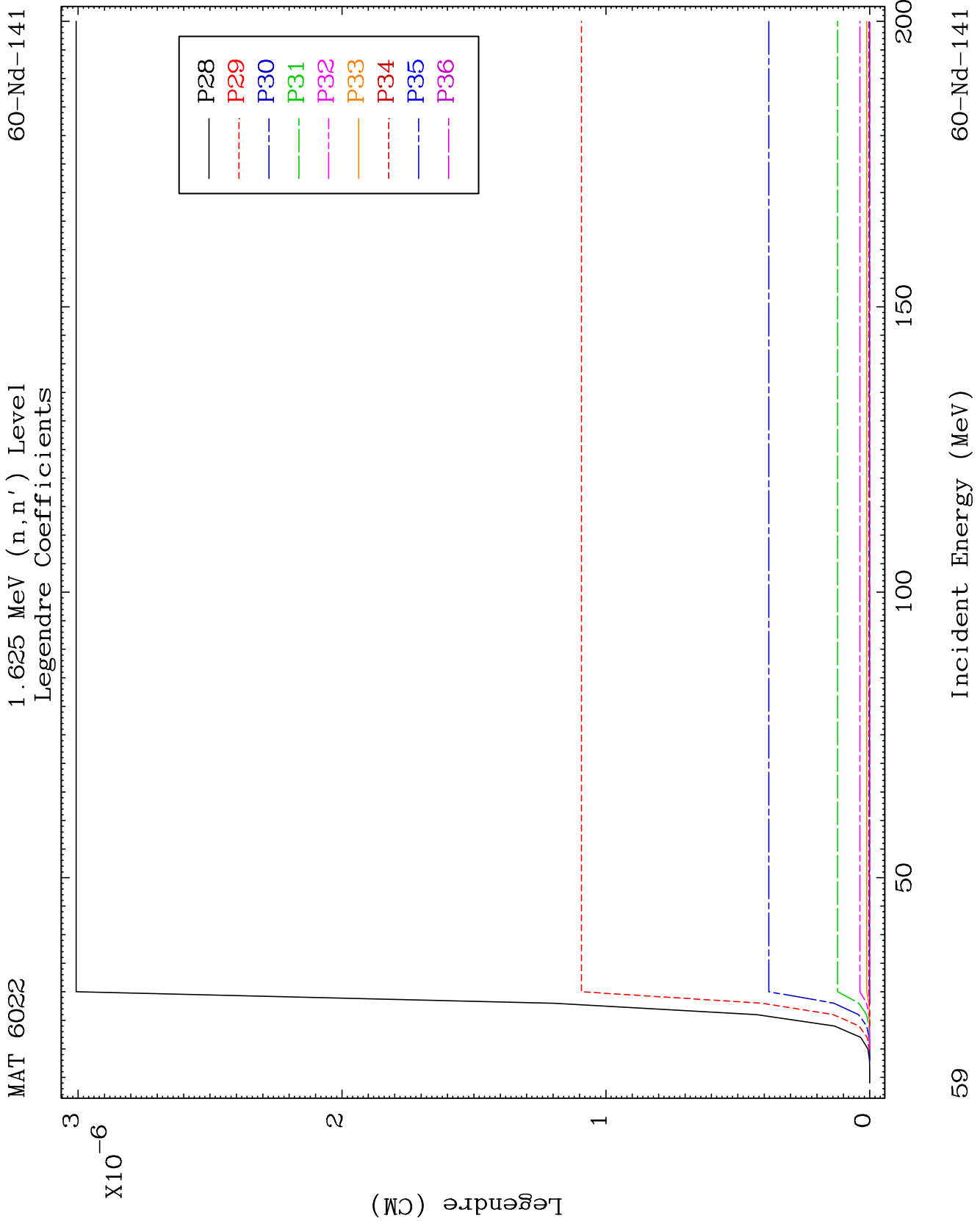


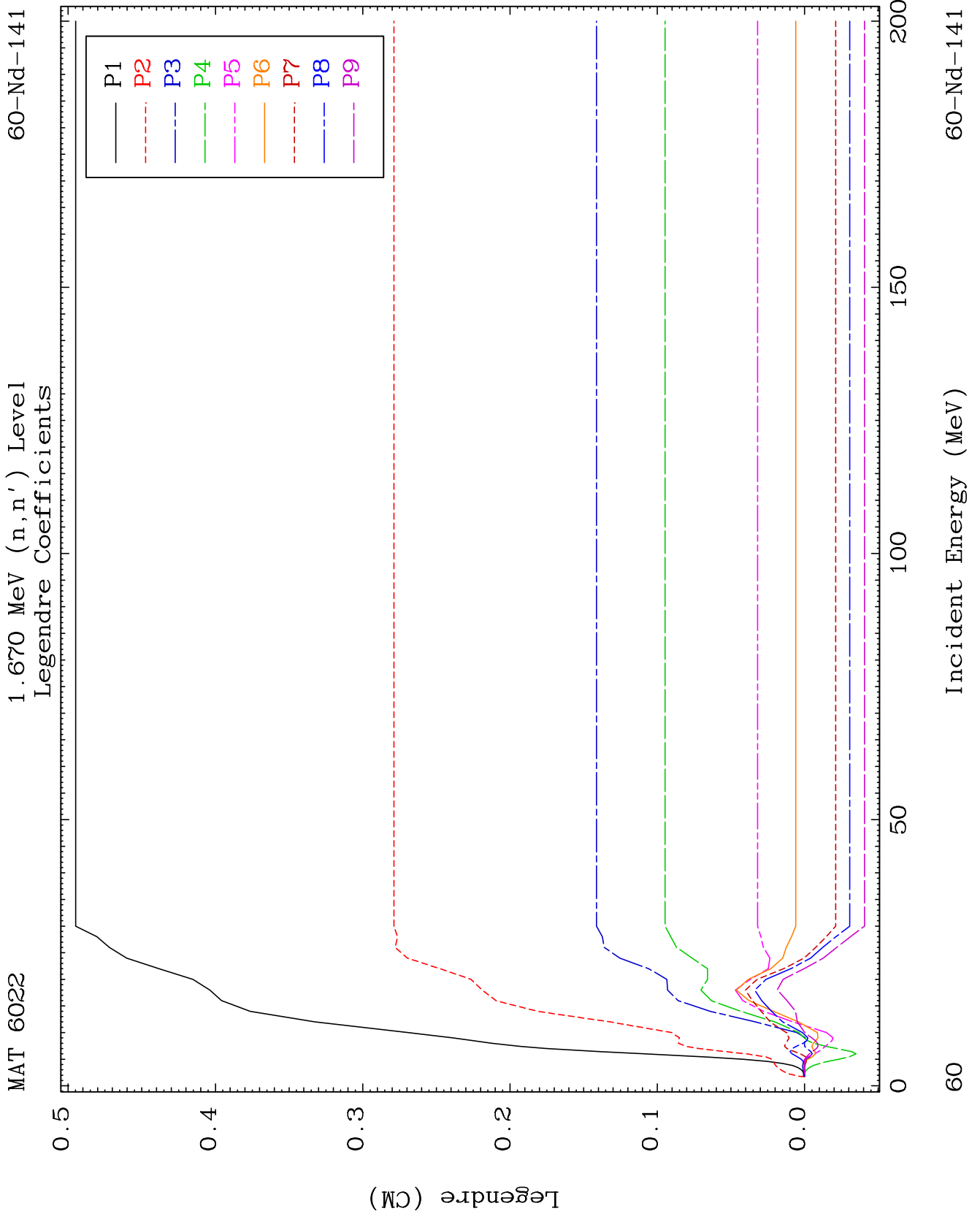
60-Nd-141

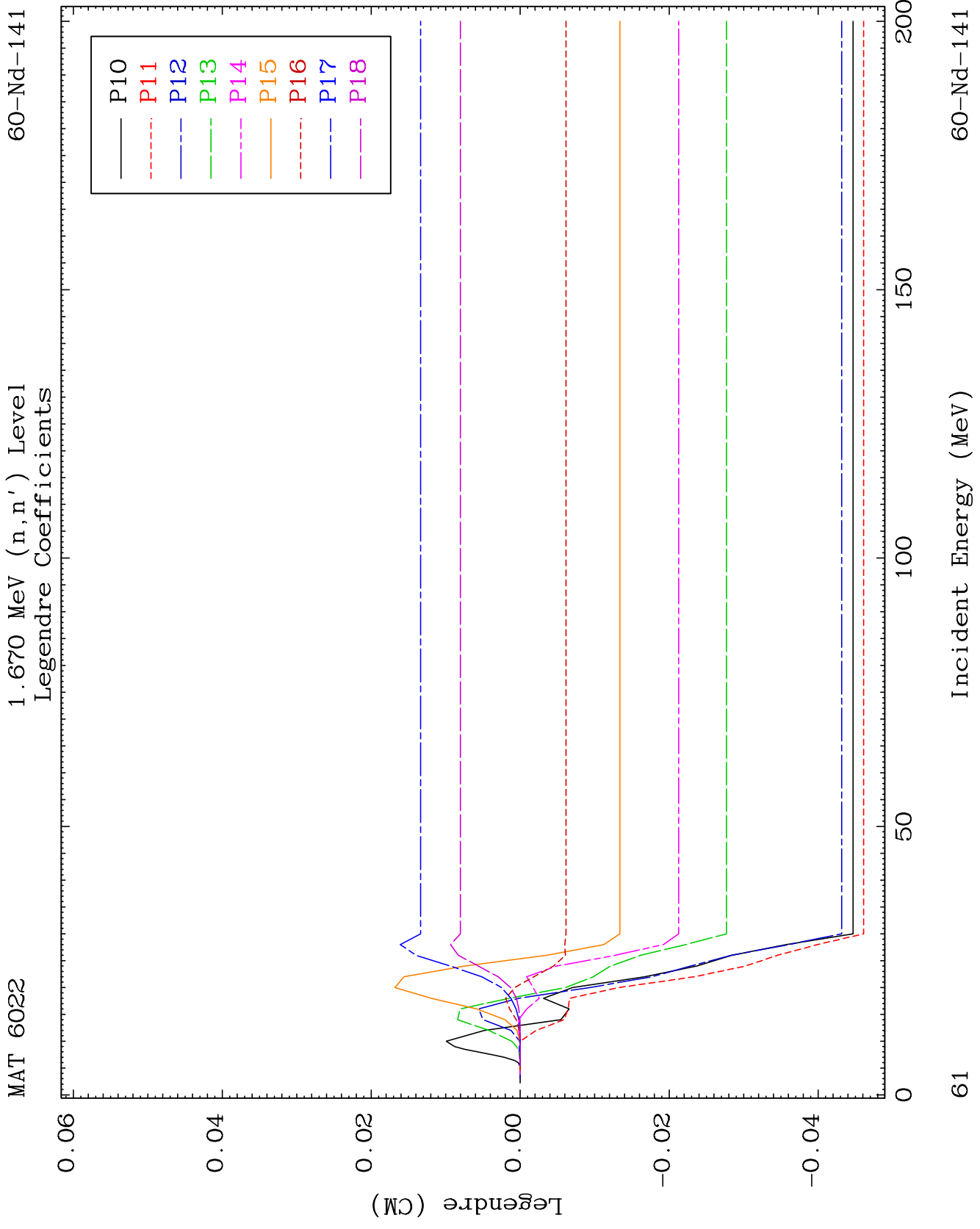
Incident Energy (MeV)

57





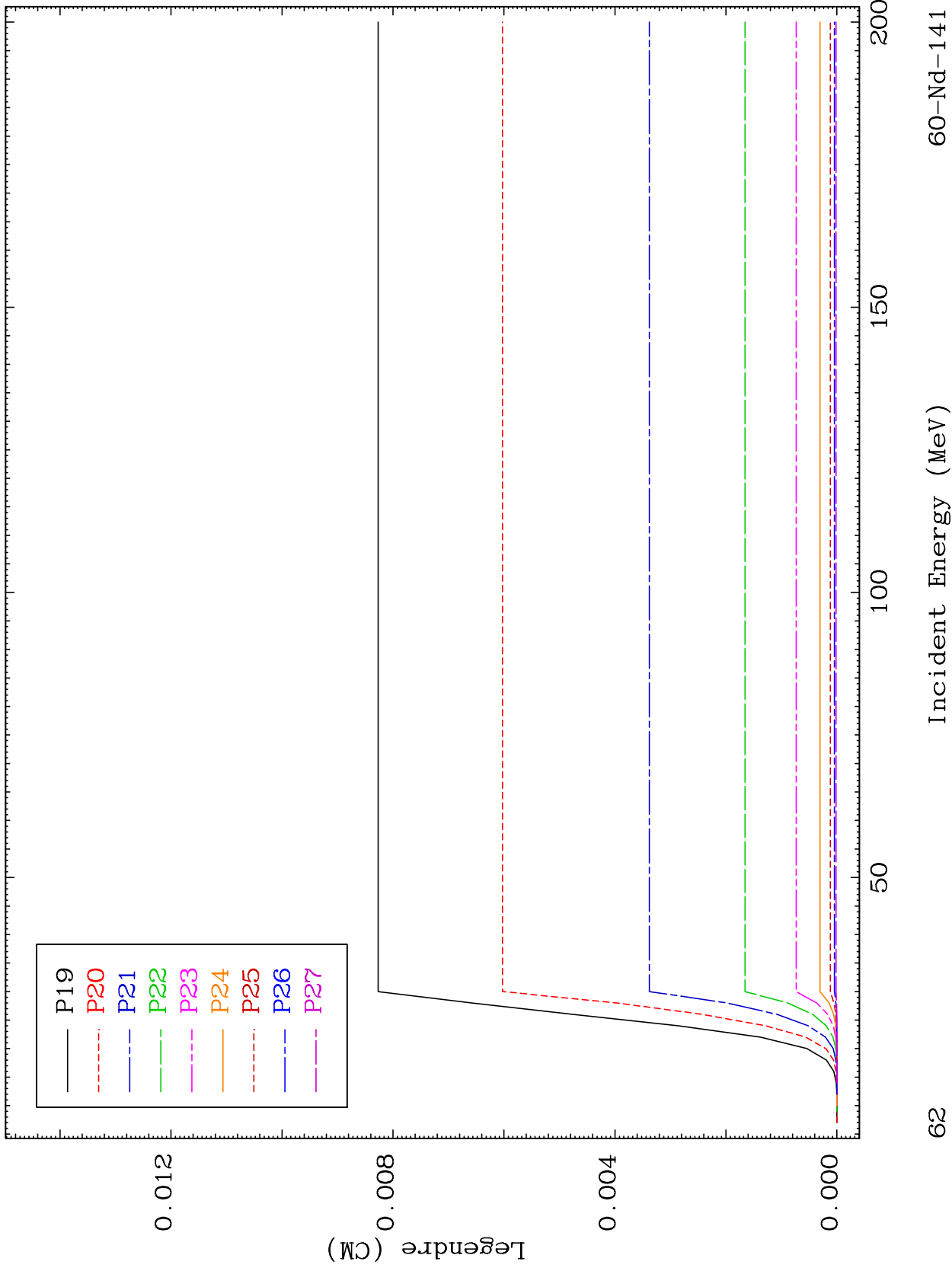




MAT 6022

1.670 MeV (n,n') Level
Legendre Coefficients

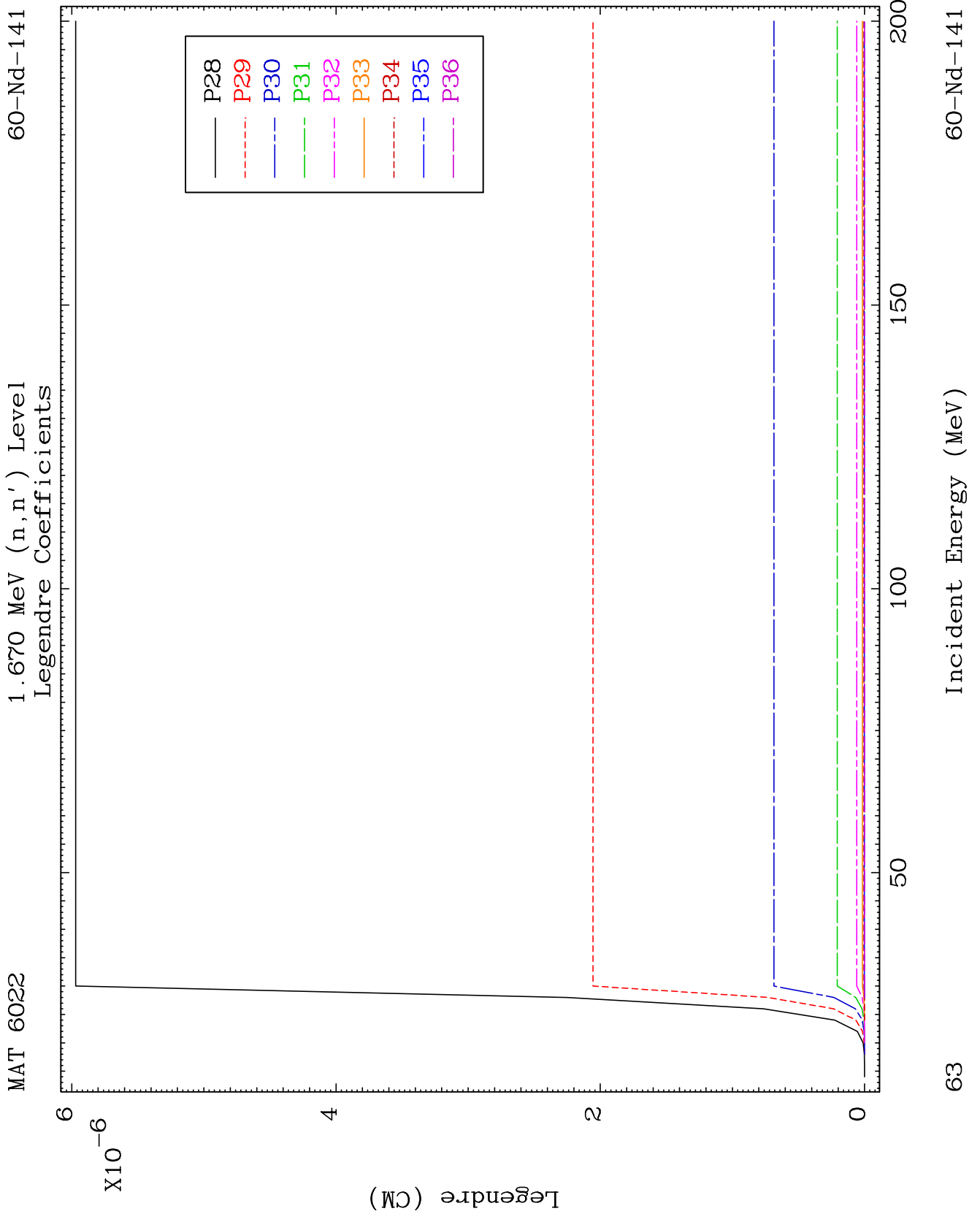
60-Nd-141

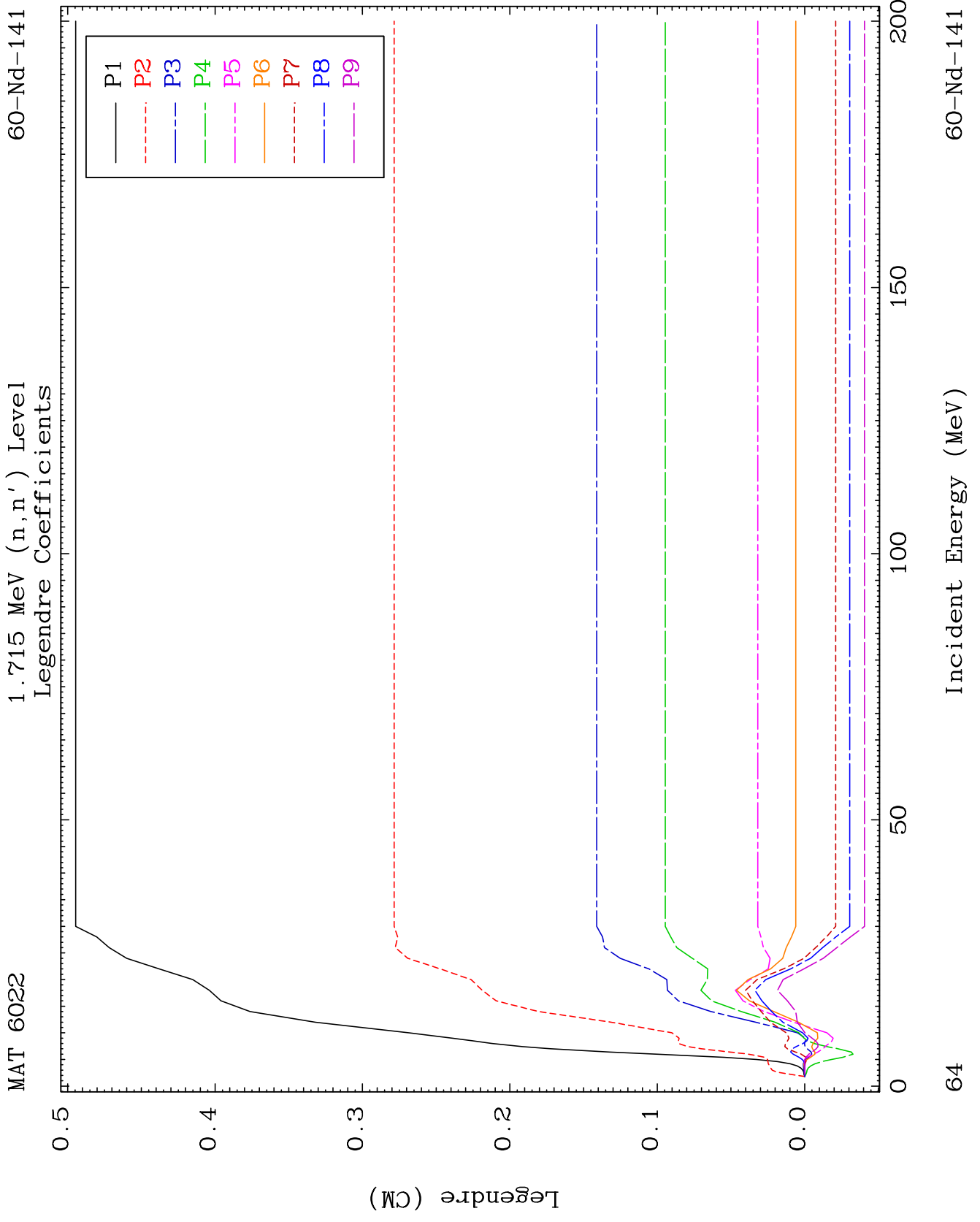


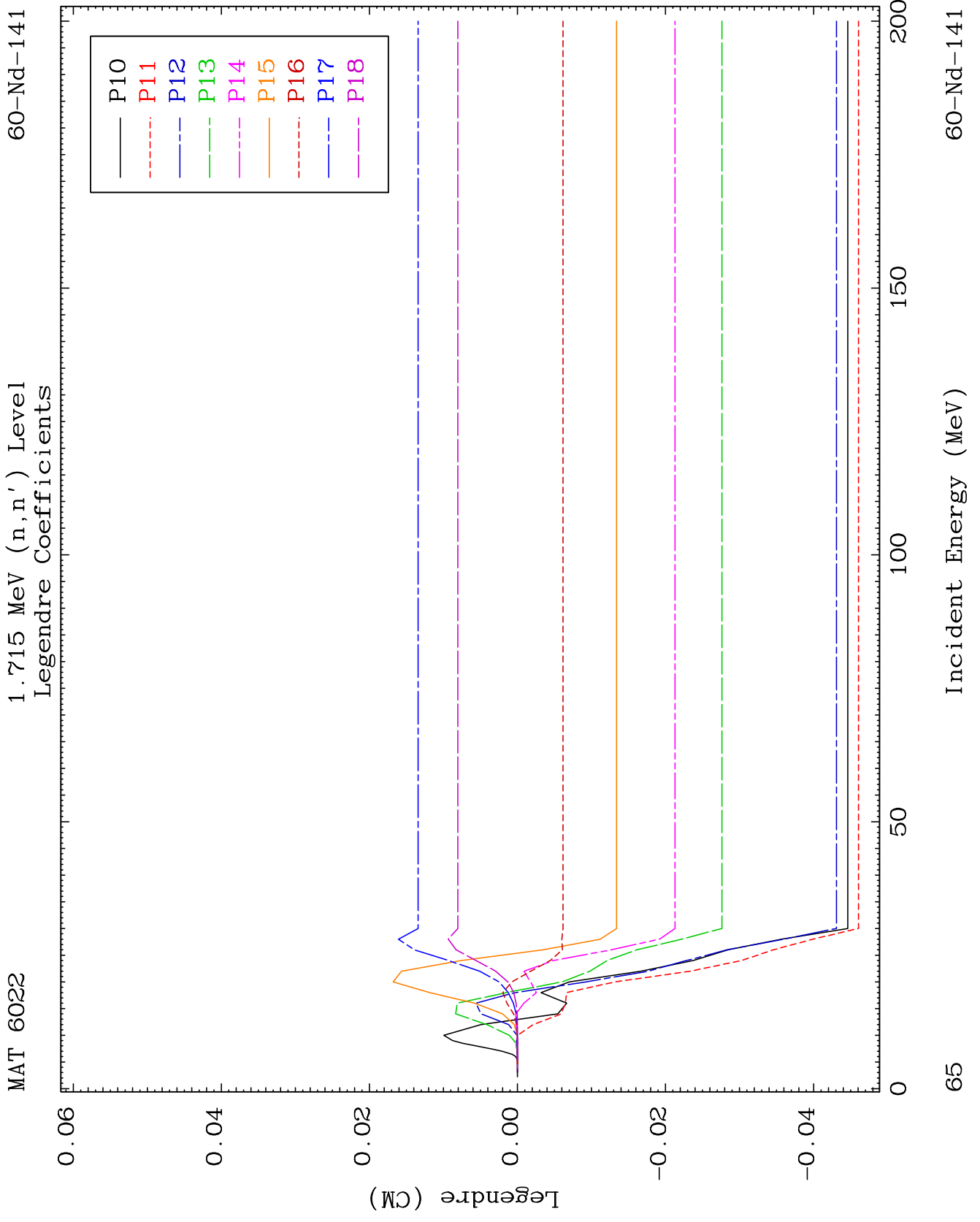
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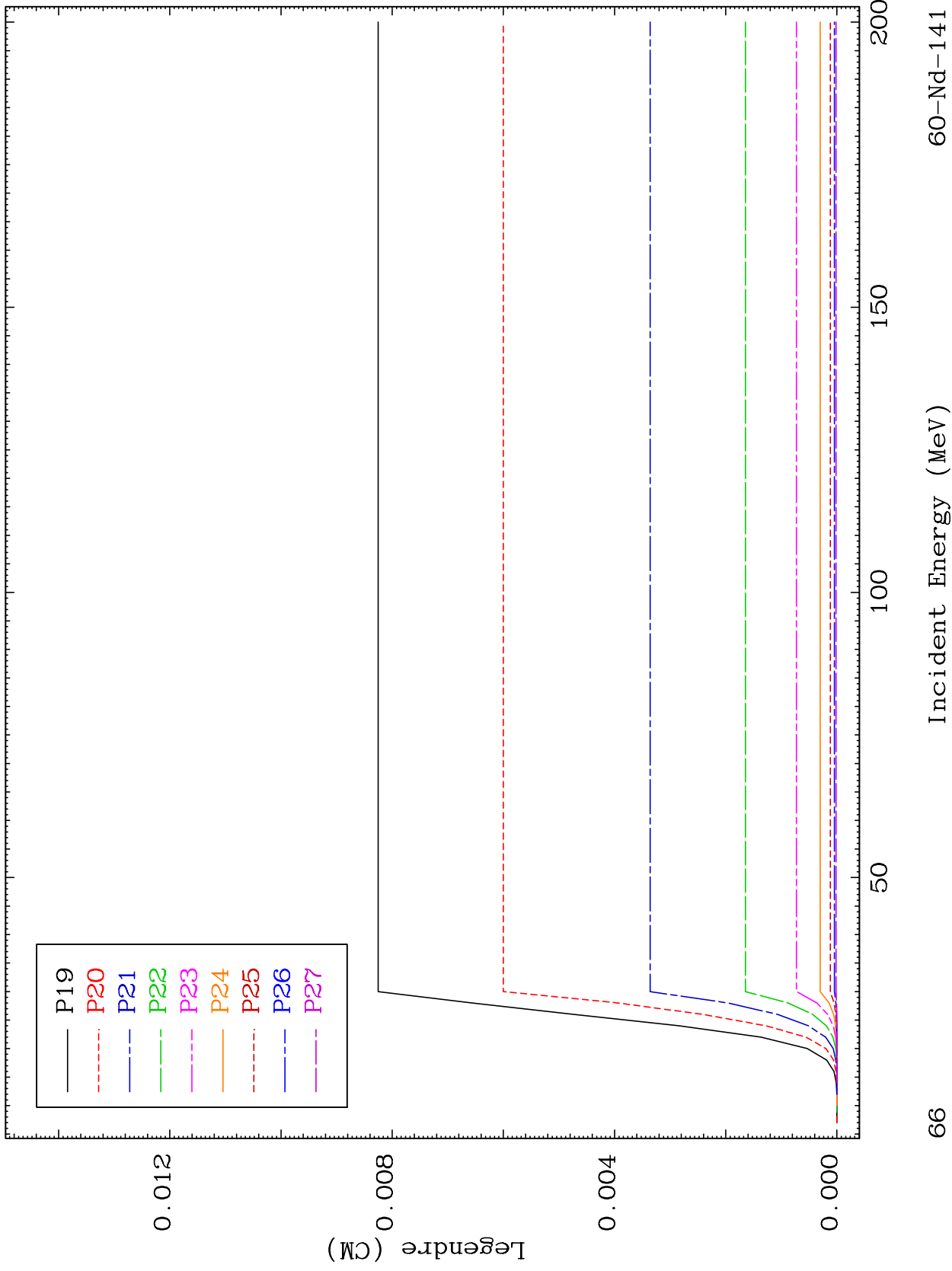
Incident Energy (MeV)

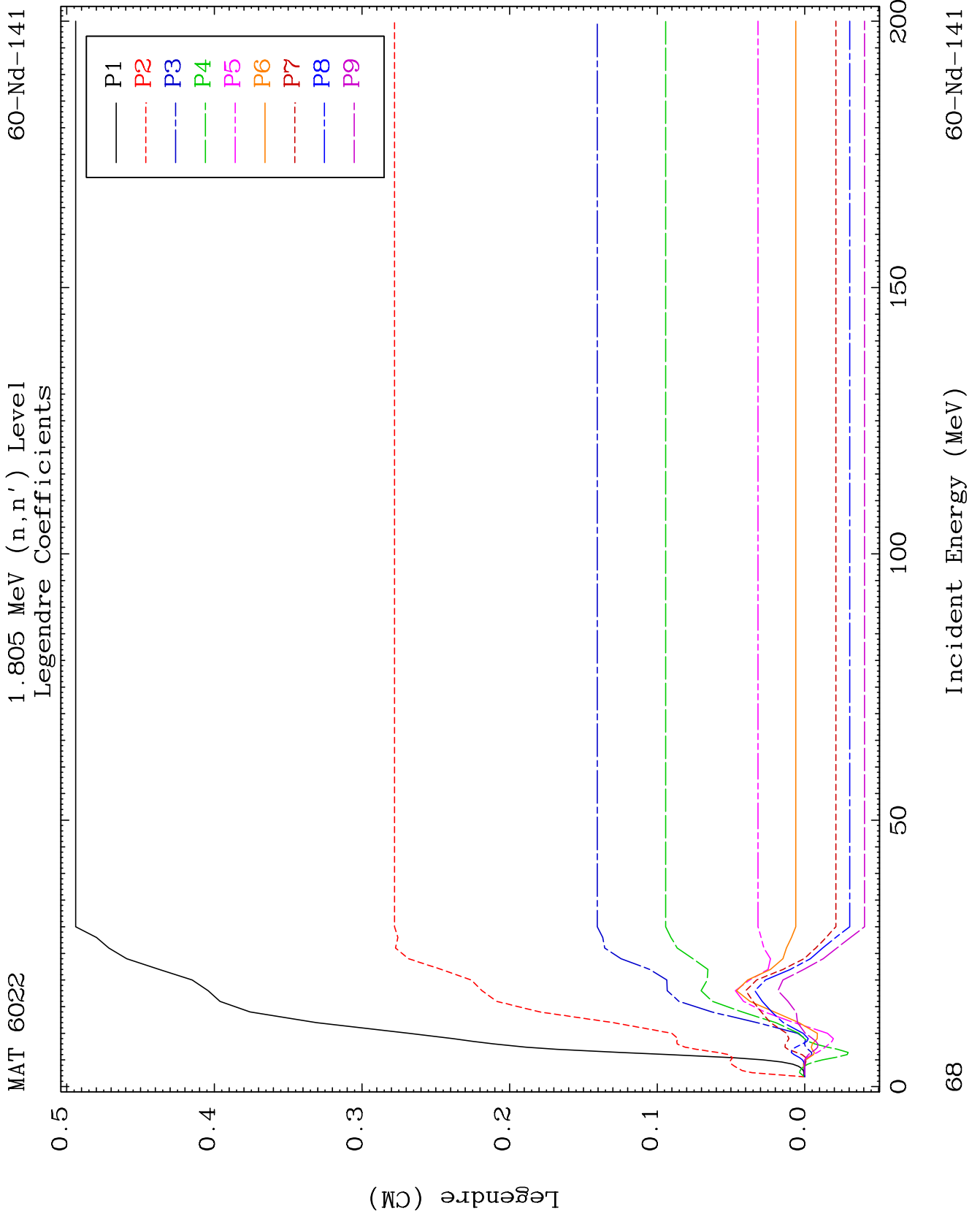
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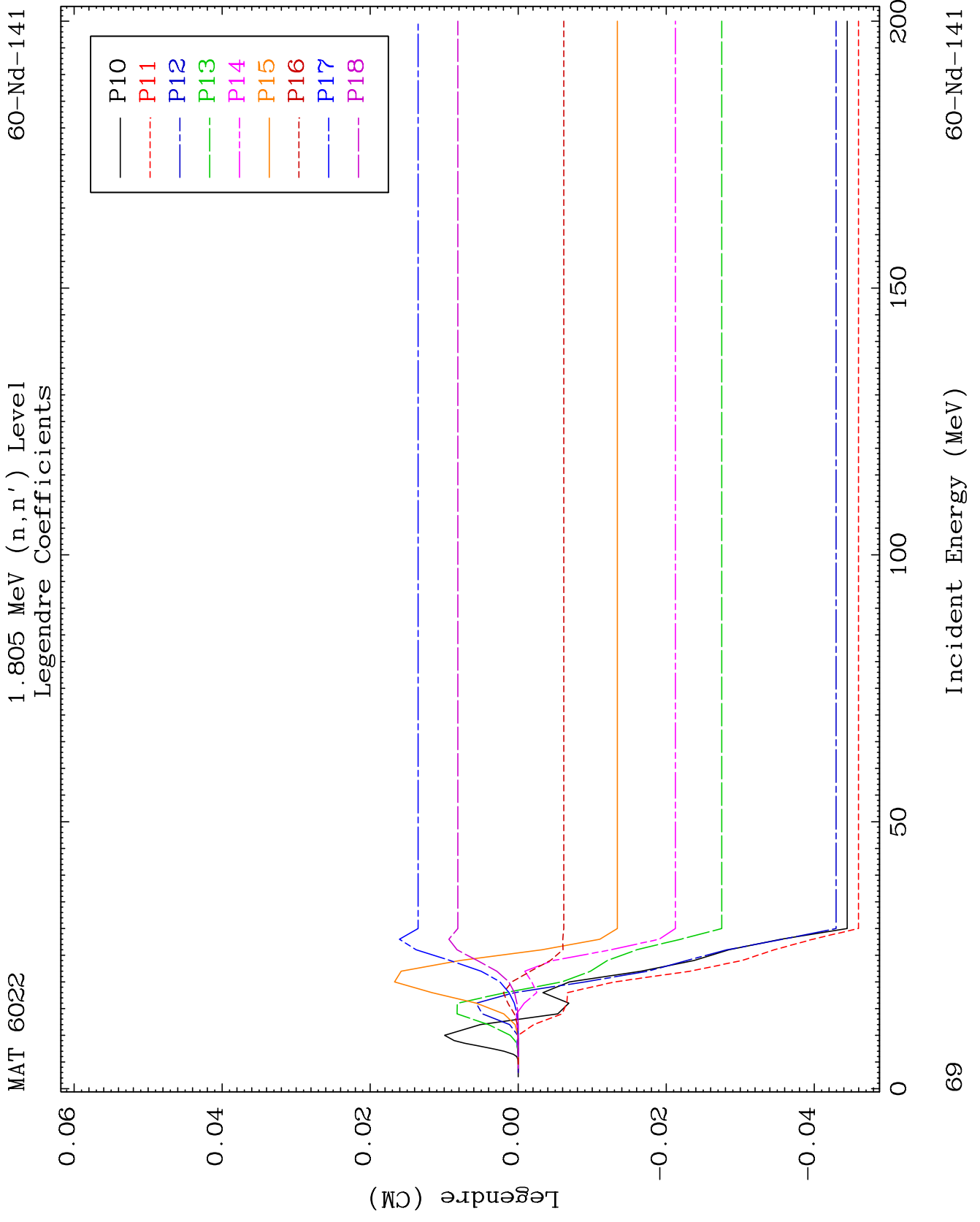








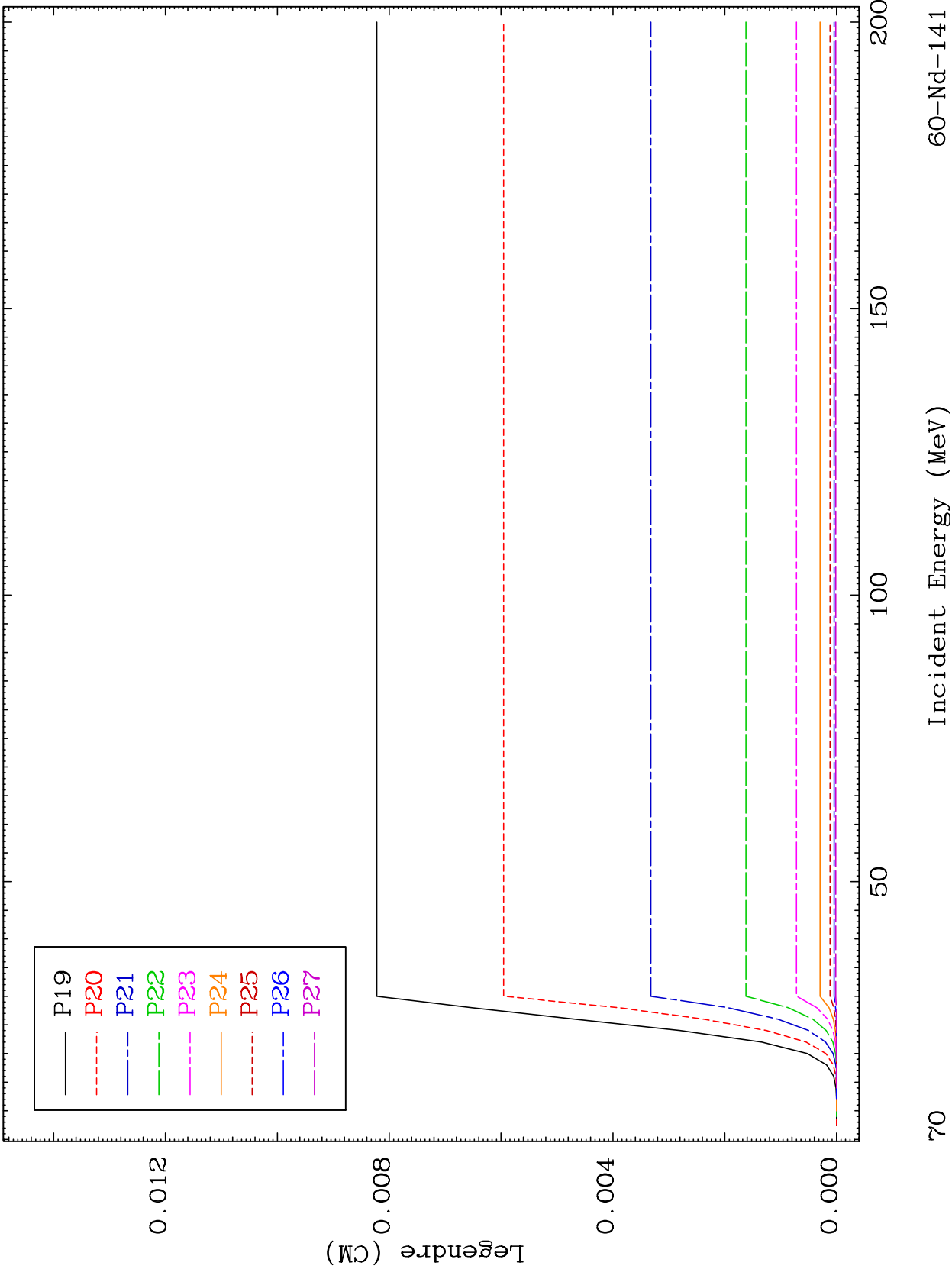




MAT 6022

1.805 MeV (n,n') Level
Legendre Coefficients

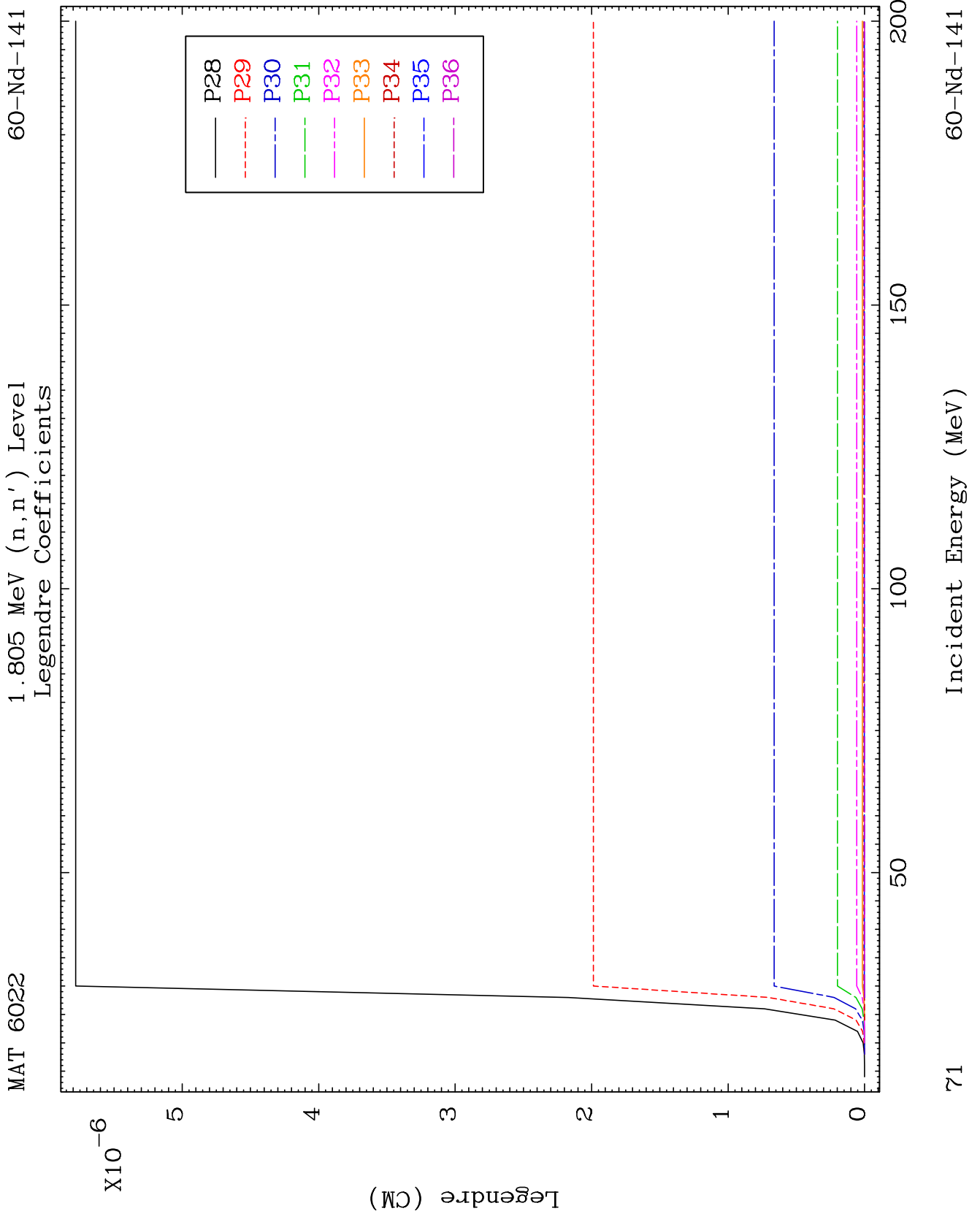
60-Nd-141

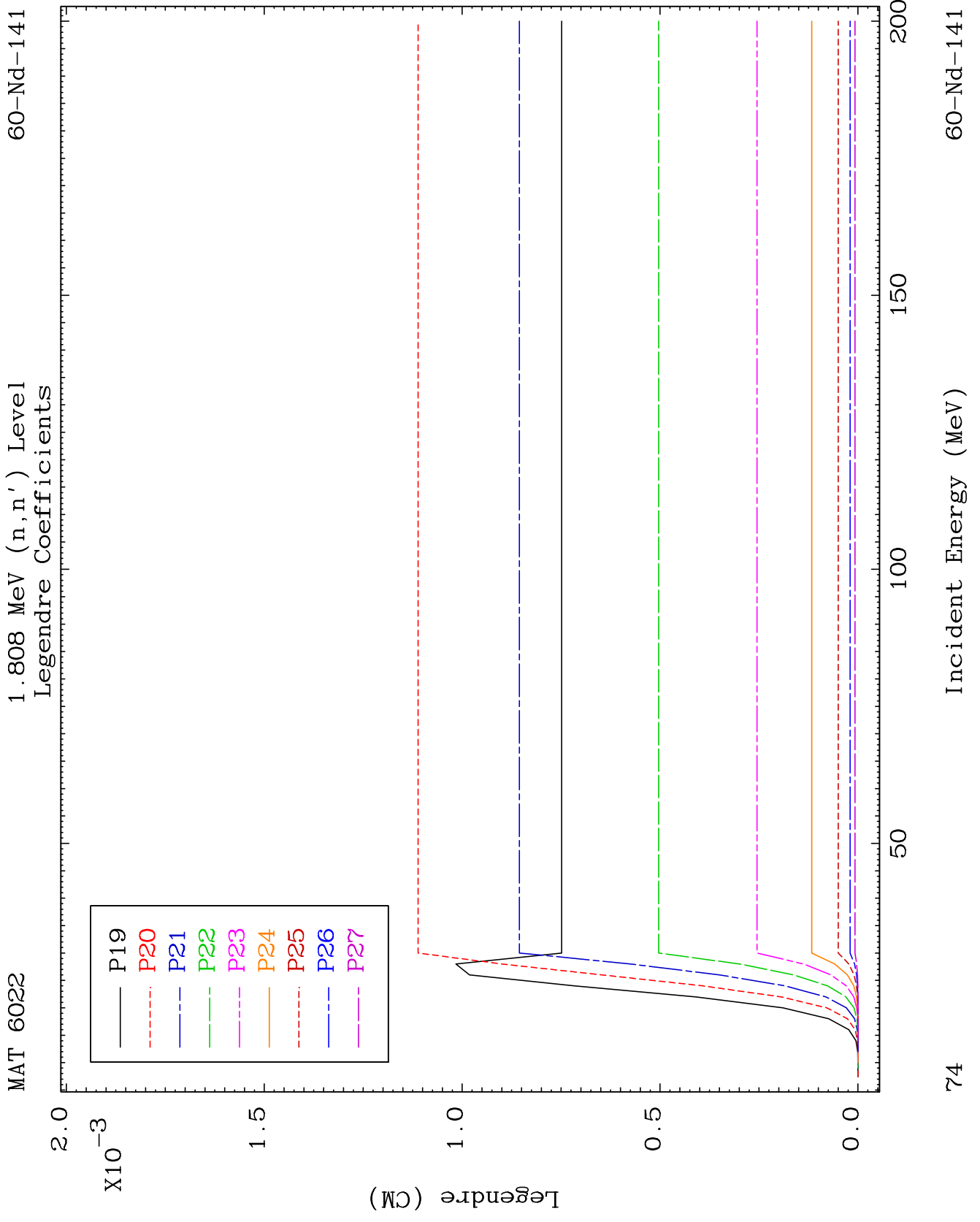


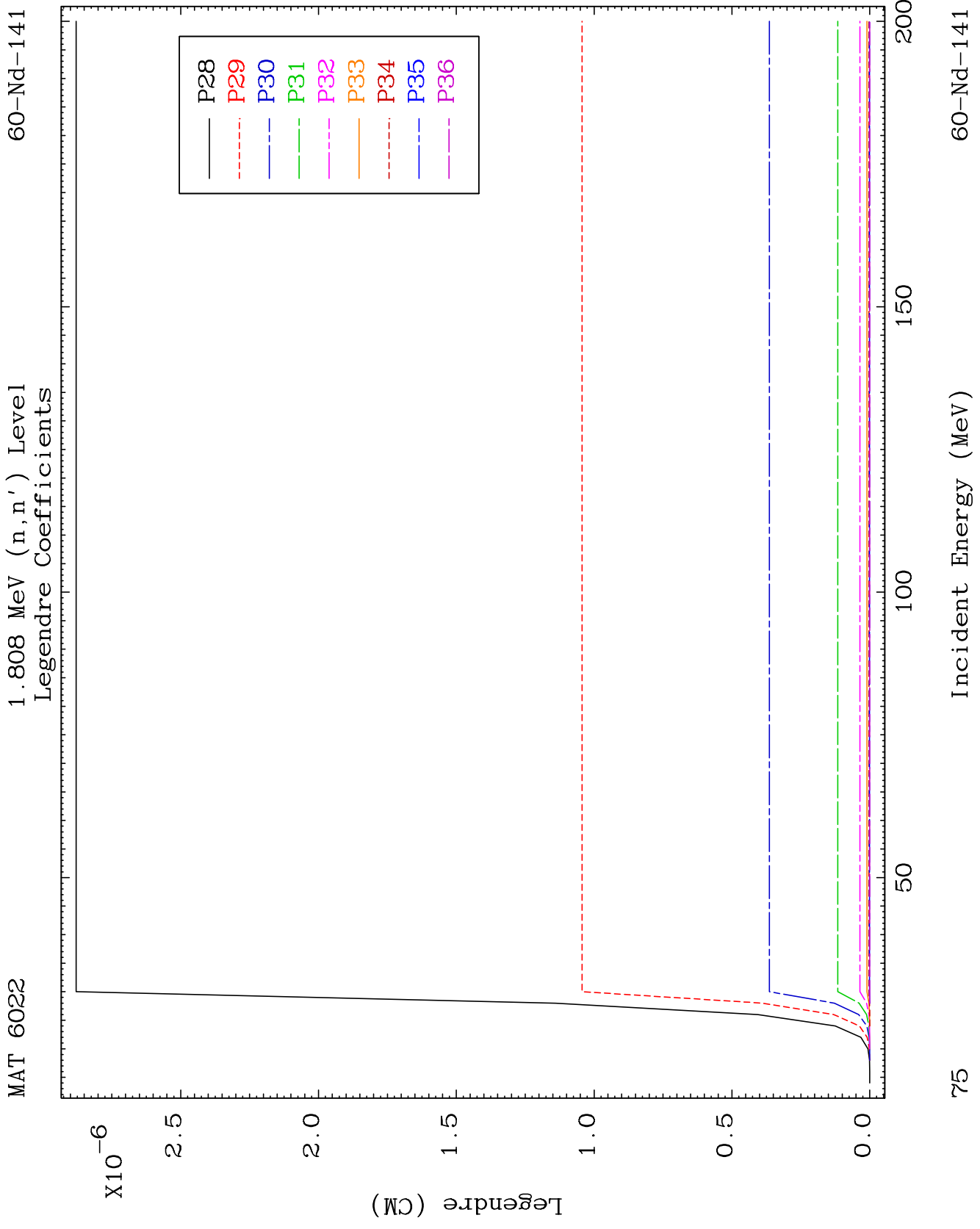
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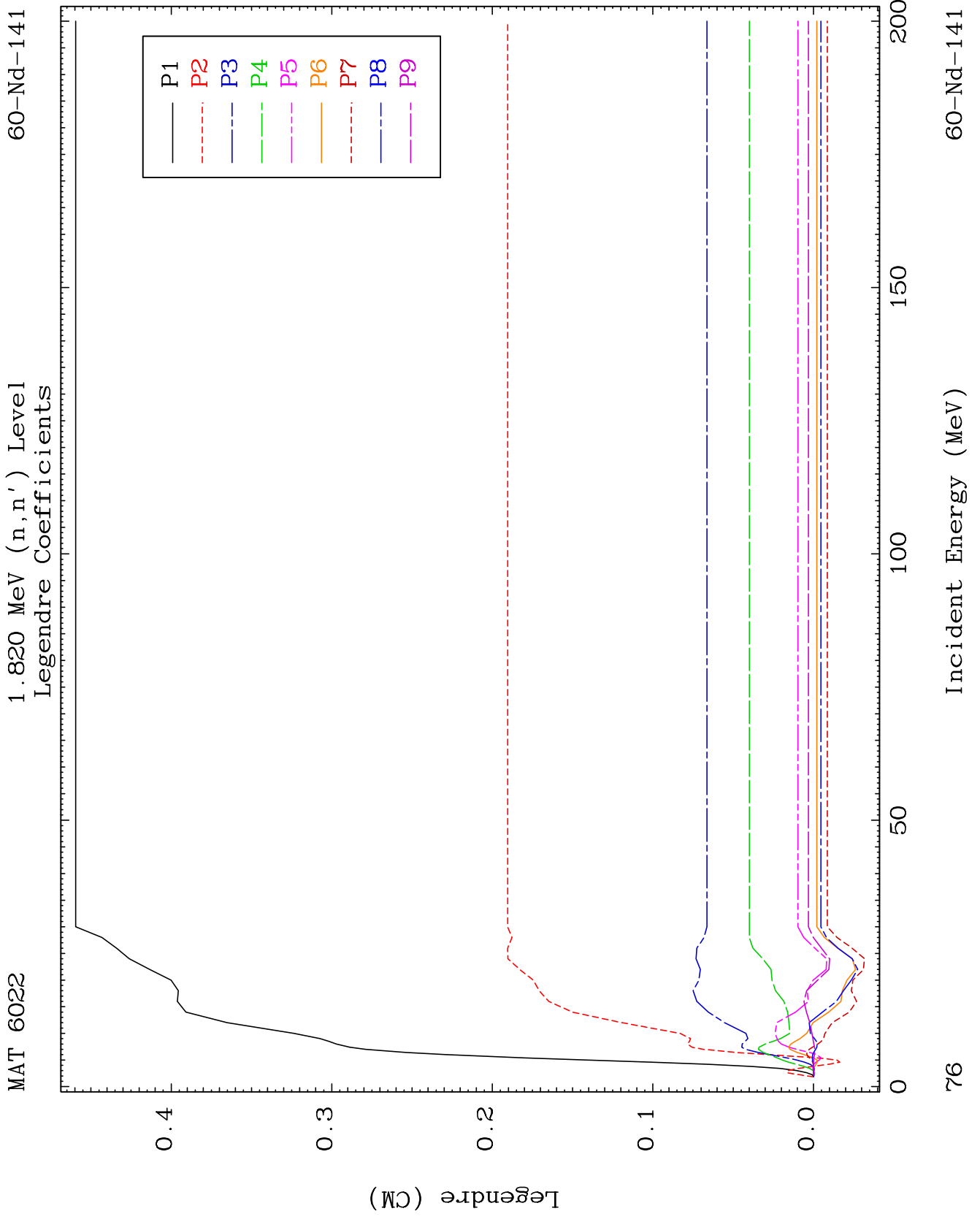
Incident Energy (MeV)

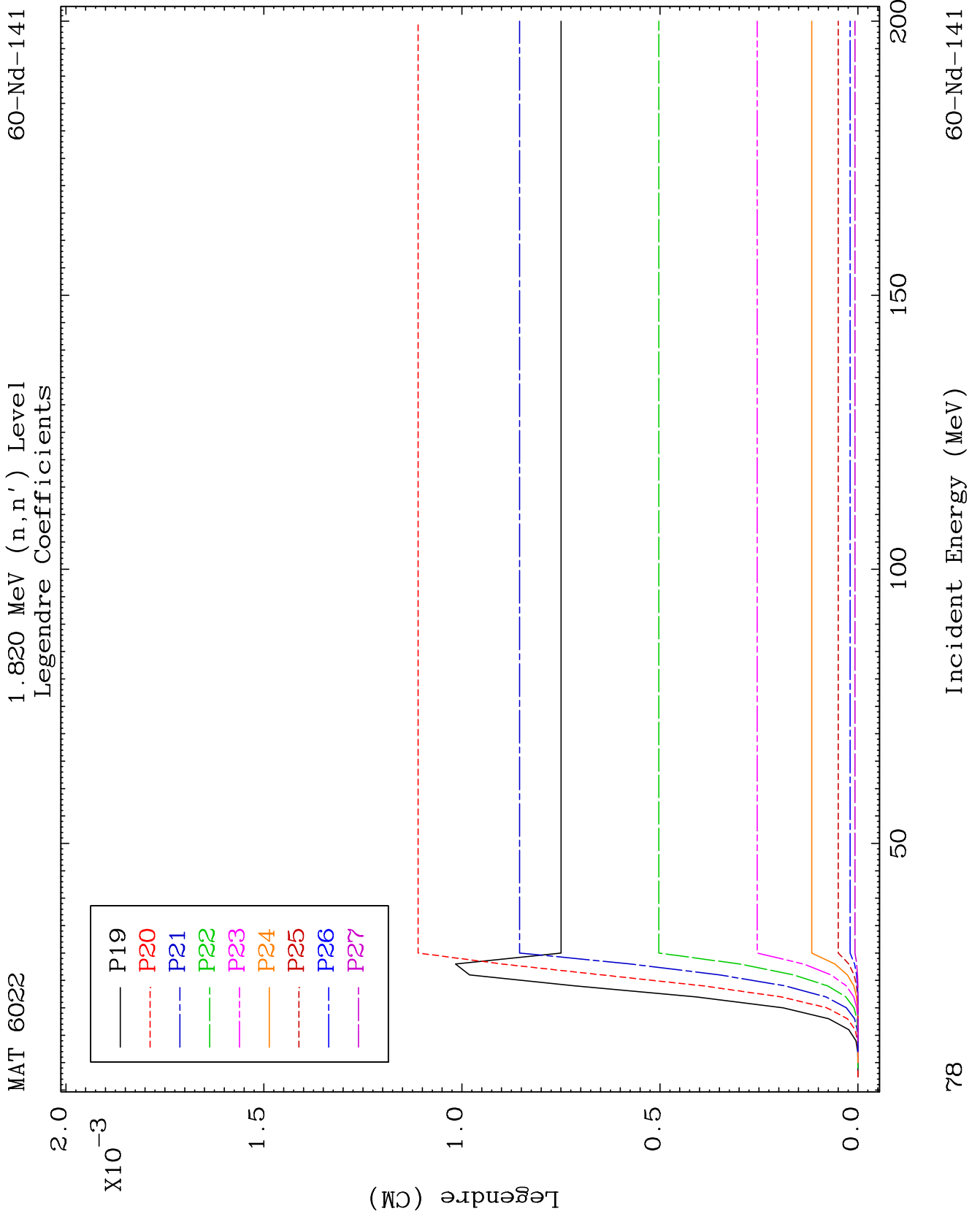
60-Nd-141

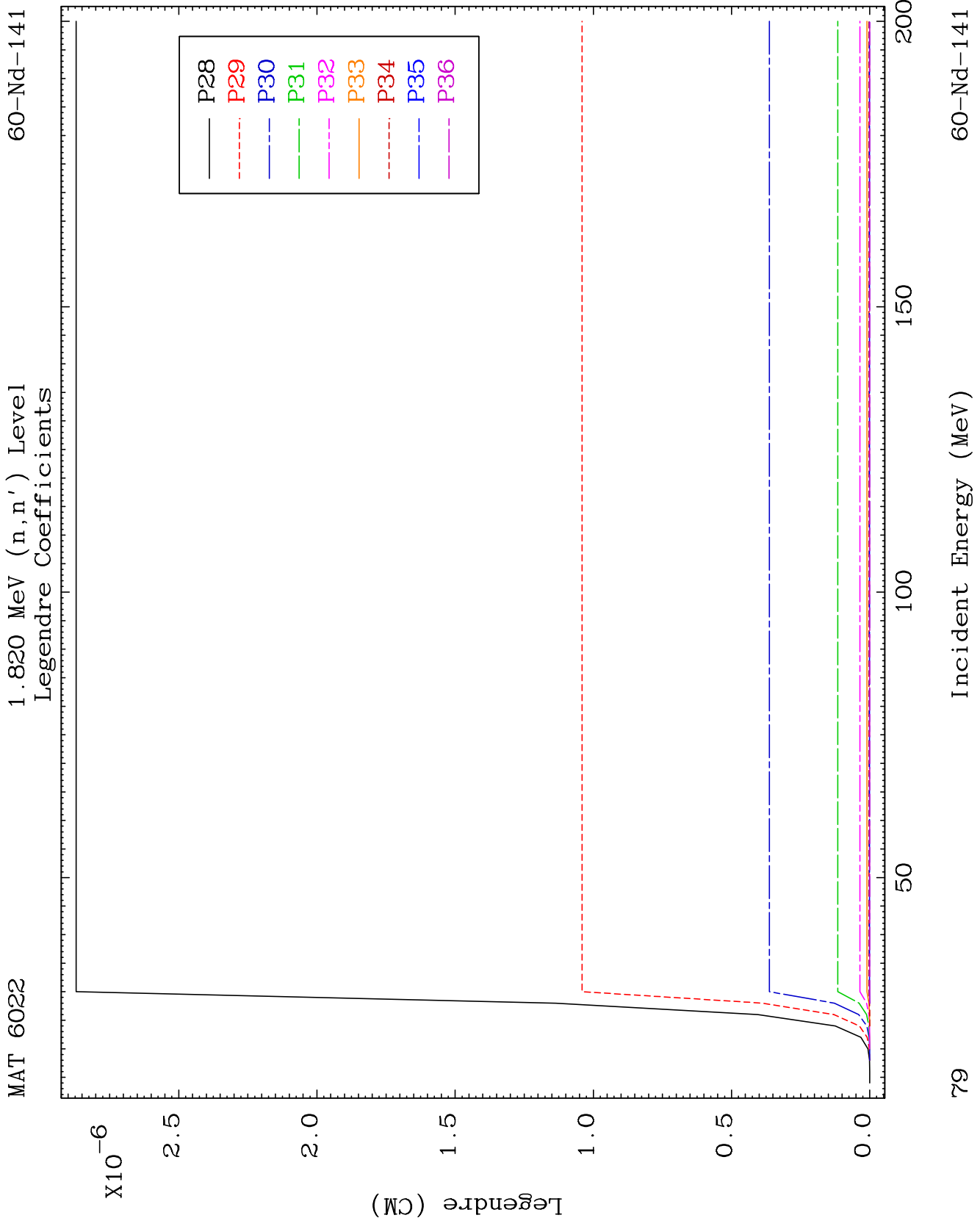








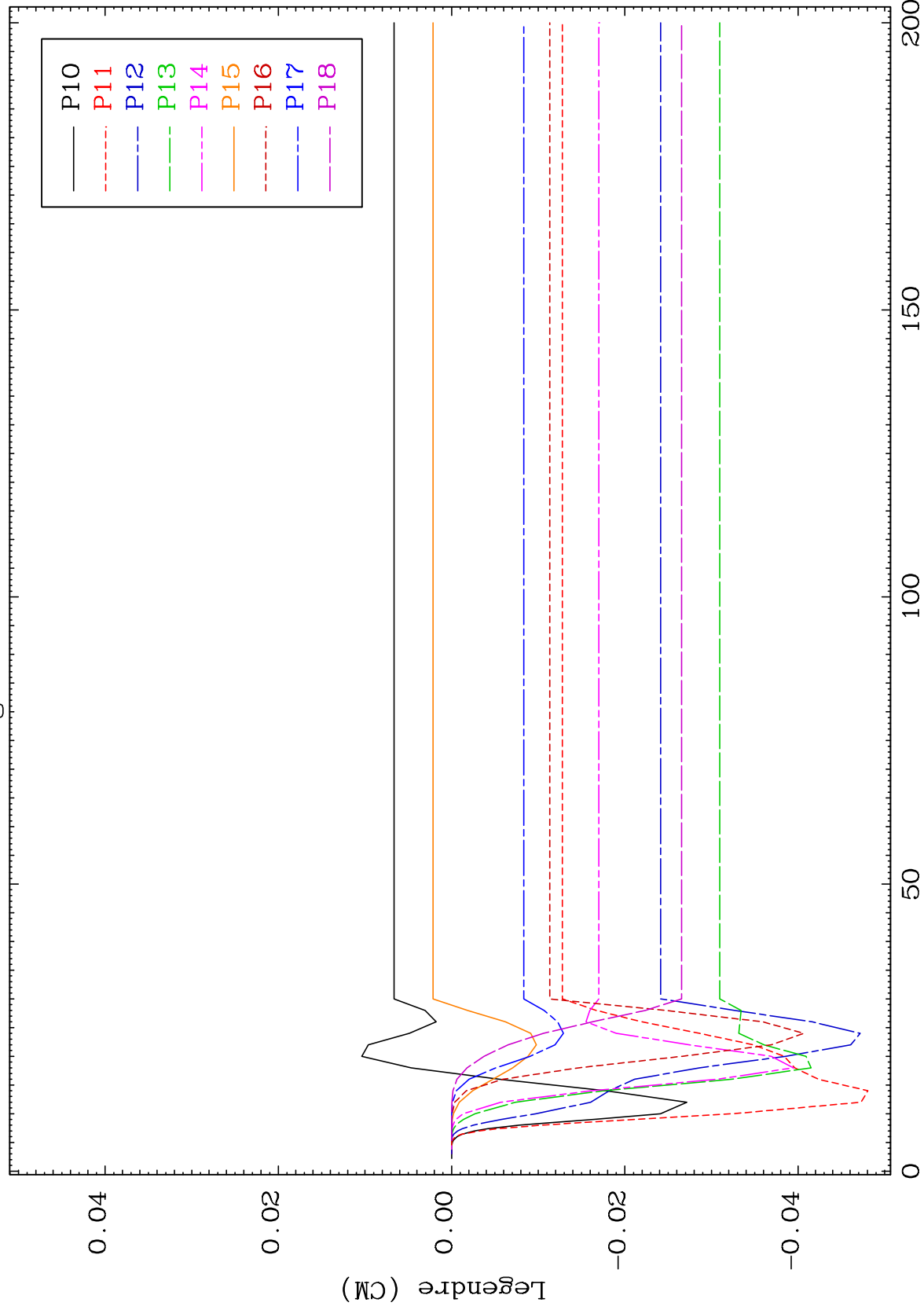




MAT 6022

1.871 MeV (n,n') Level Legendre Coefficients

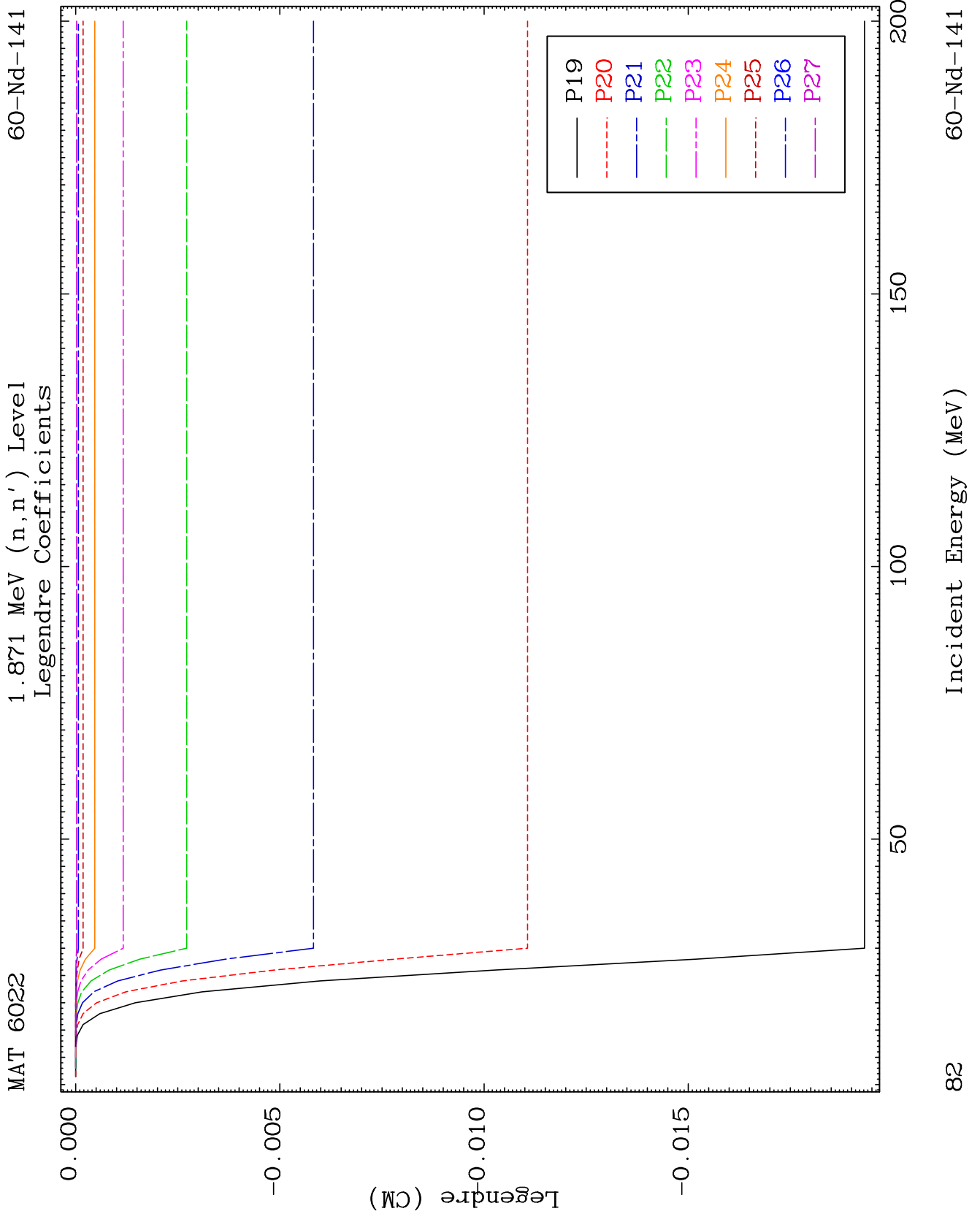
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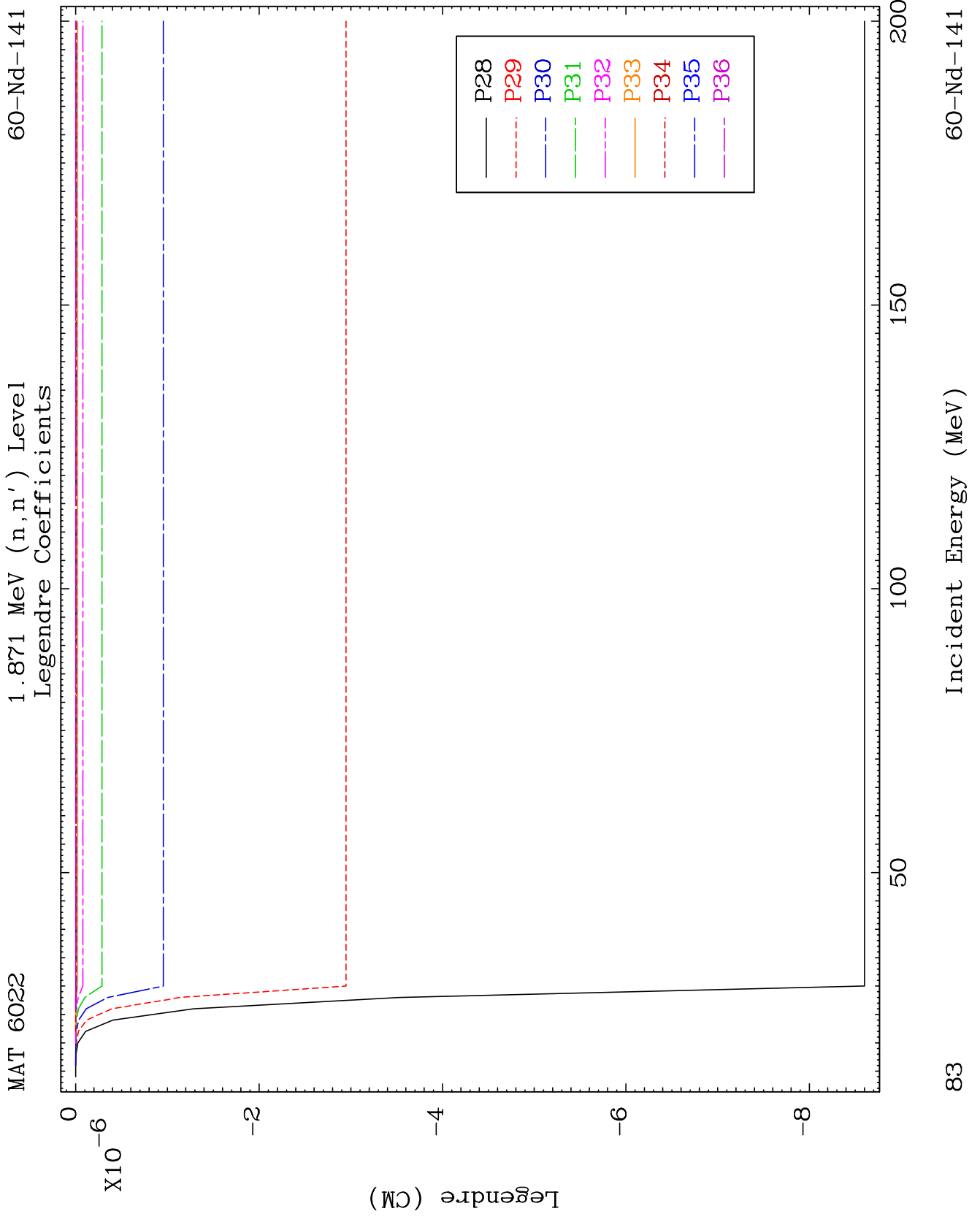


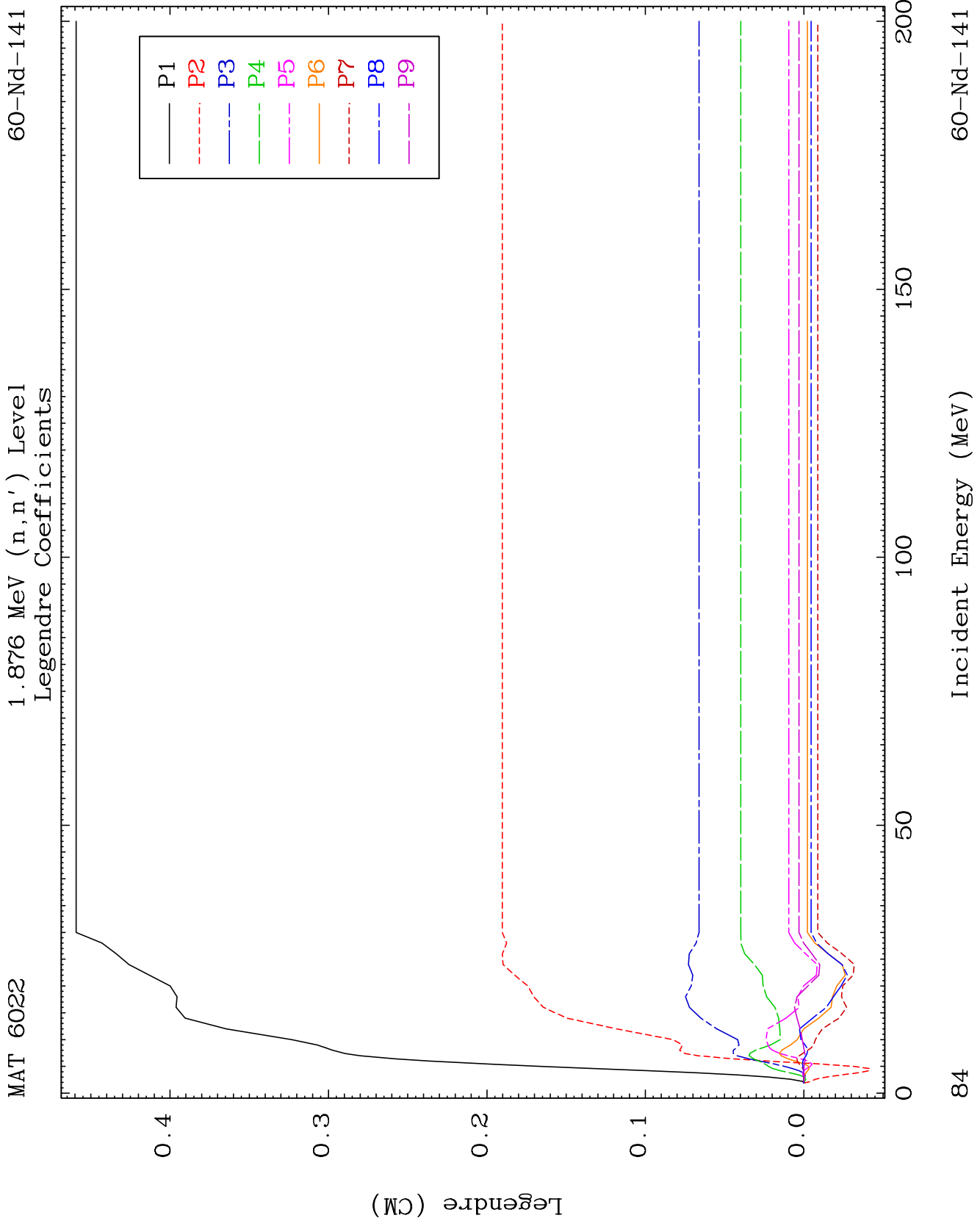
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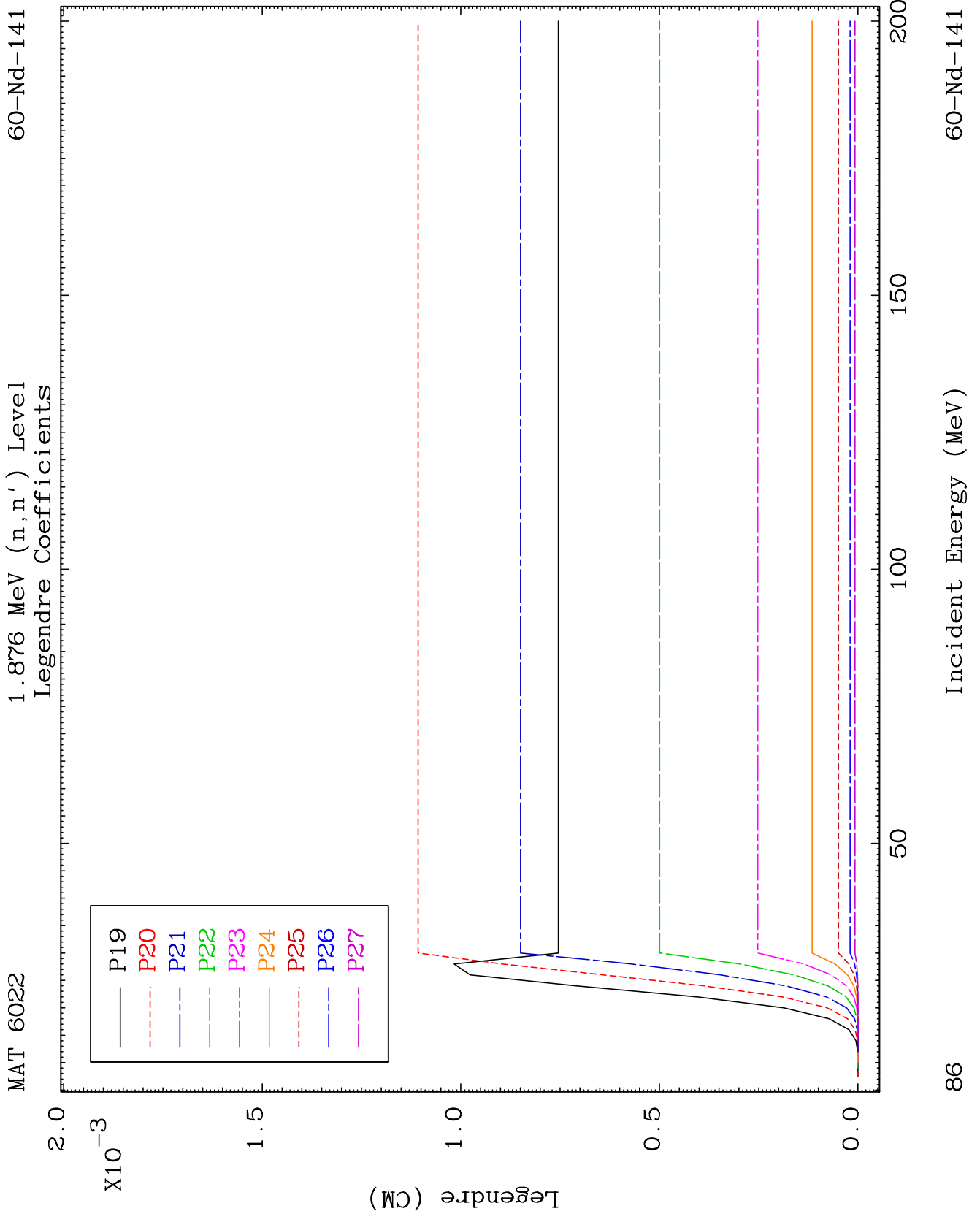
60-Nd-141

60-Nd-141





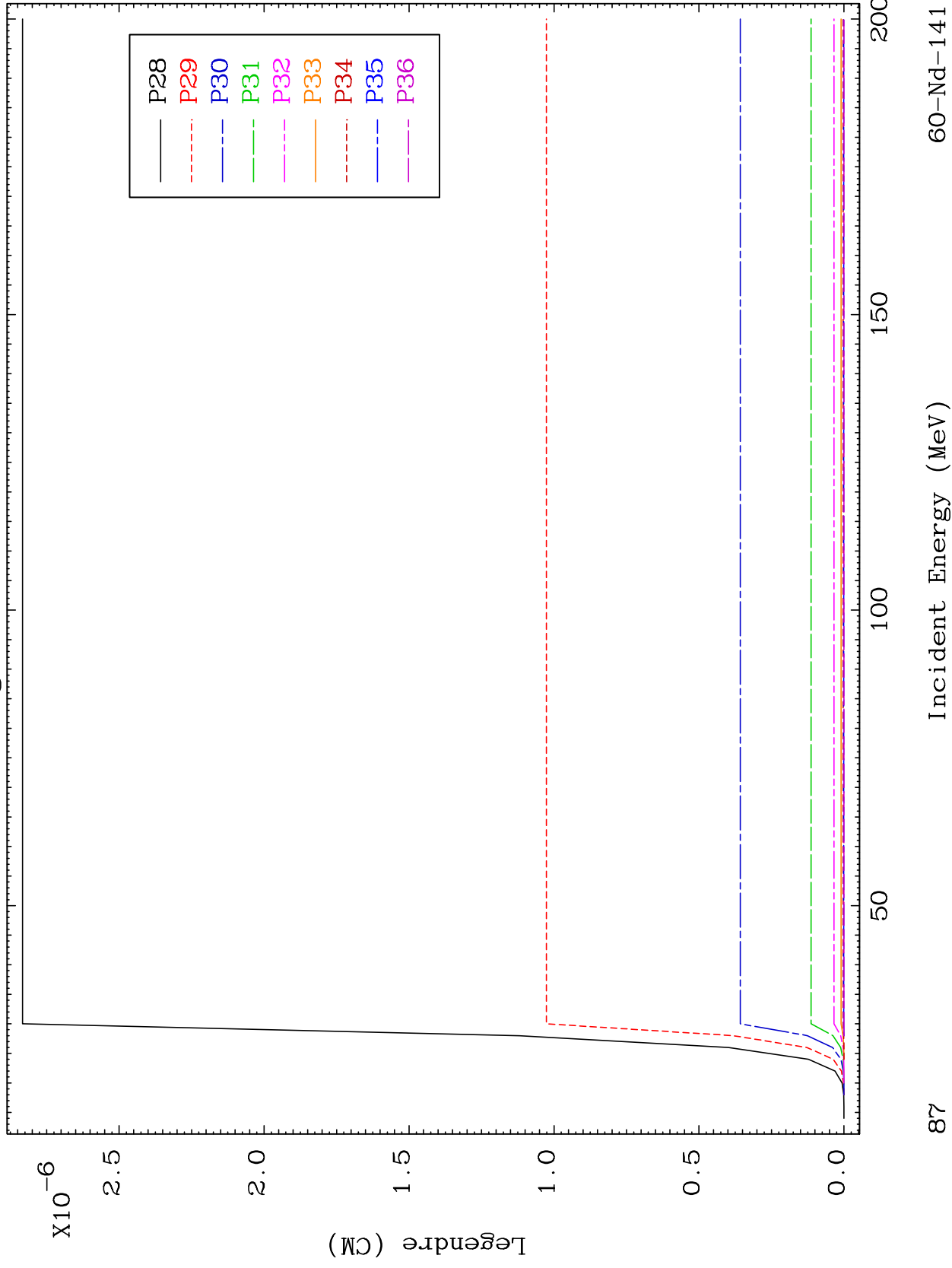


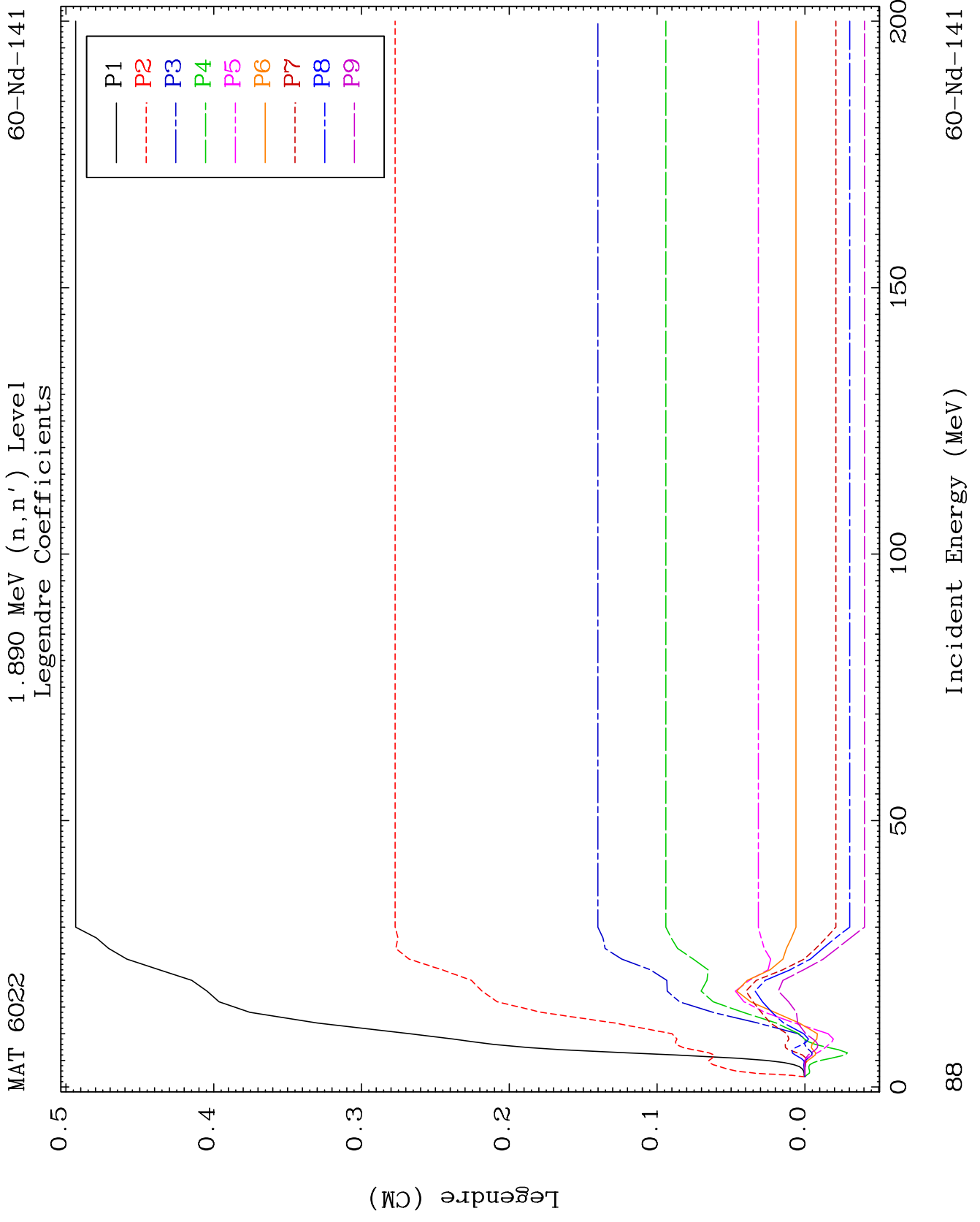


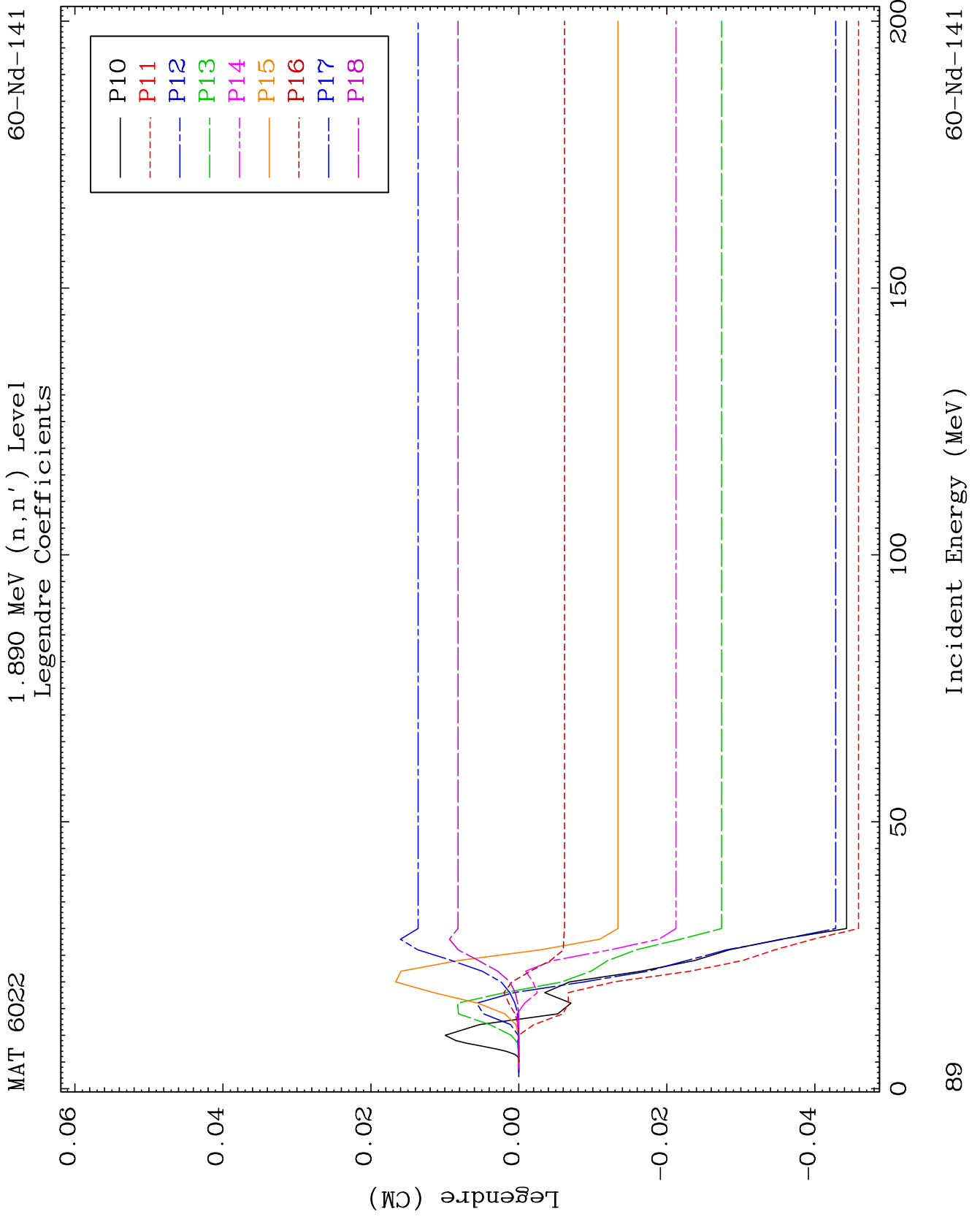
MAT 6022

1.876 MeV (n, n') Level
Legendre Coefficients

60-Nd-141



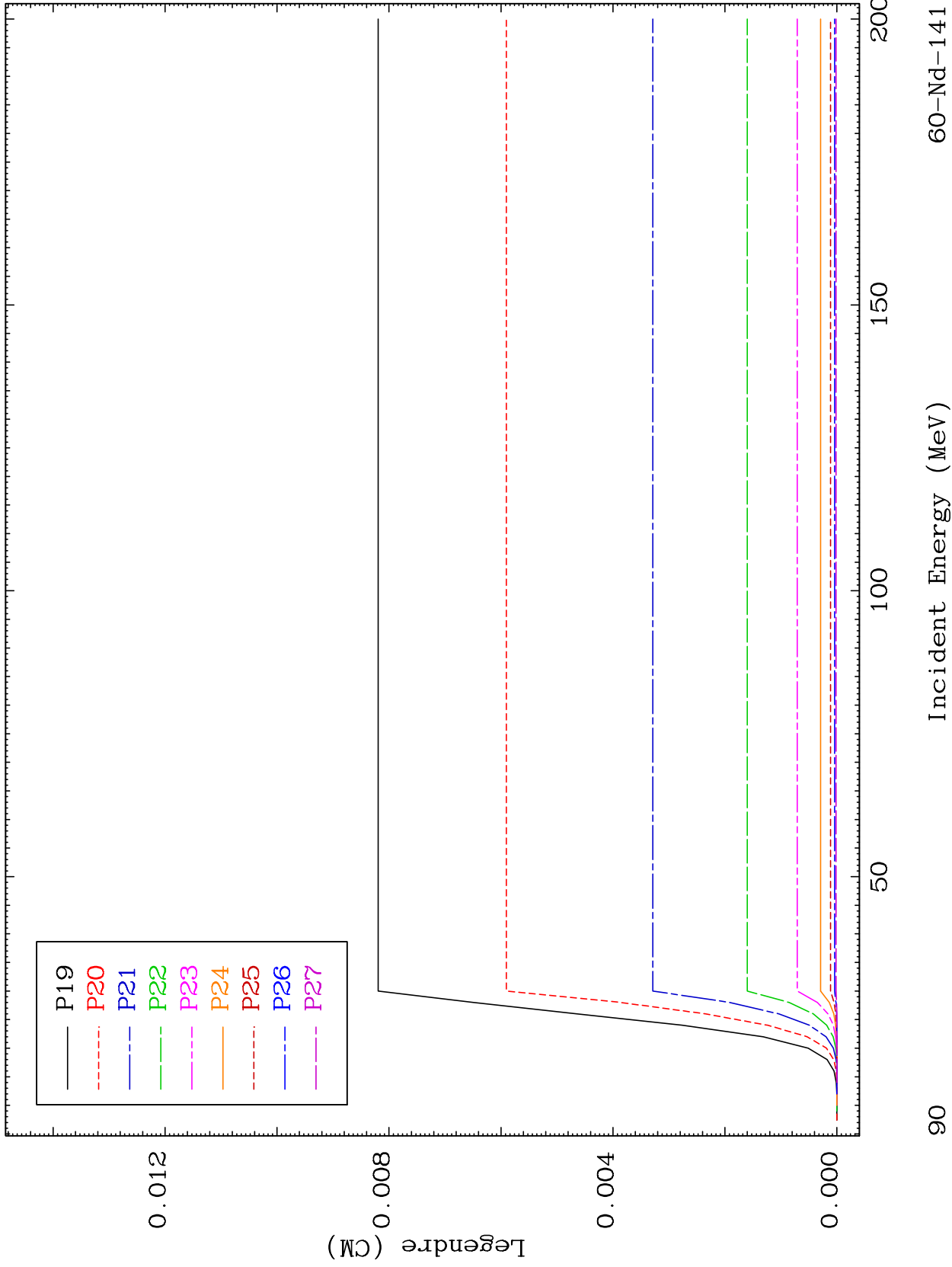




MAT 6022

1.890 MeV (n,n') Level
Legendre Coefficients

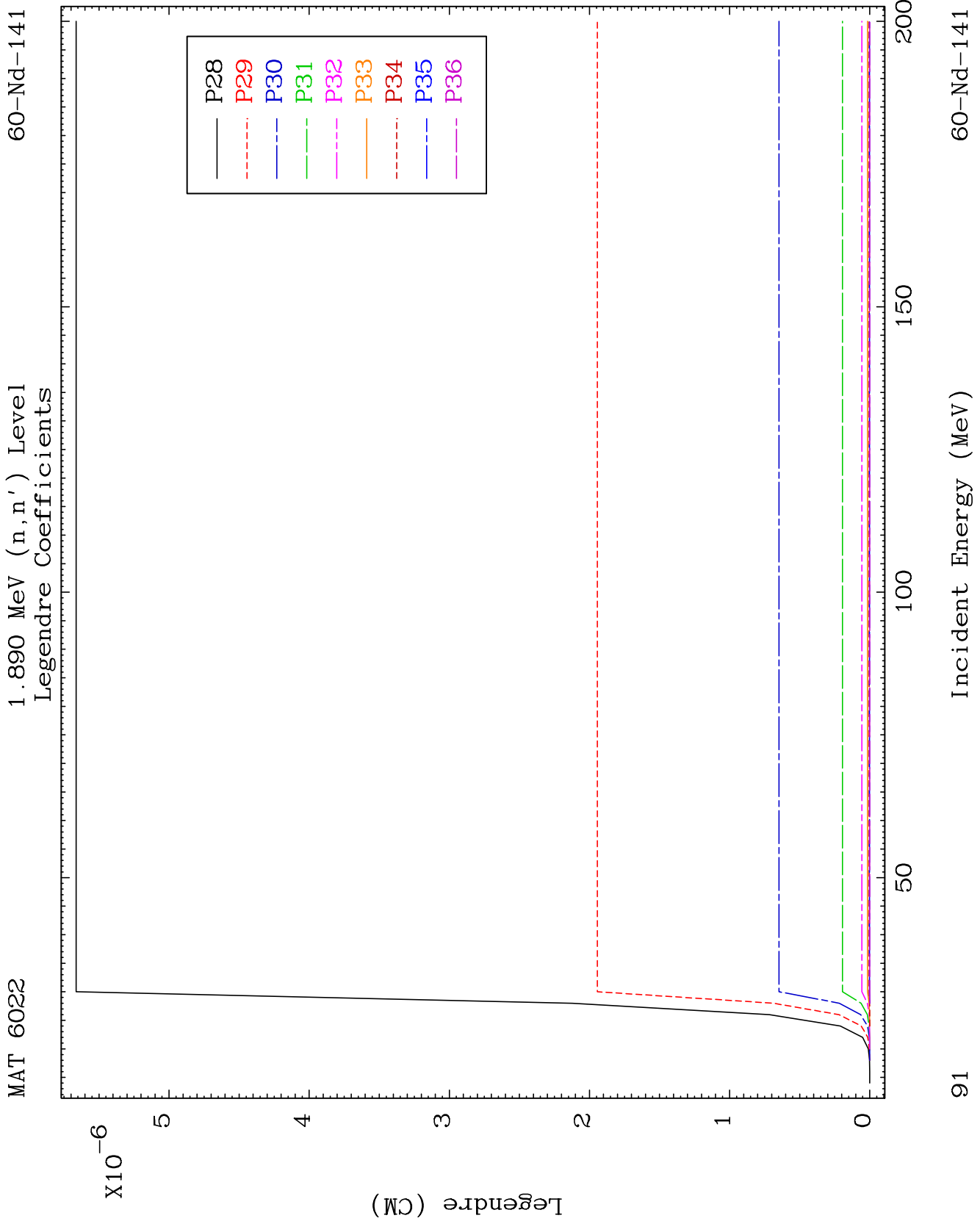
60-Nd-141

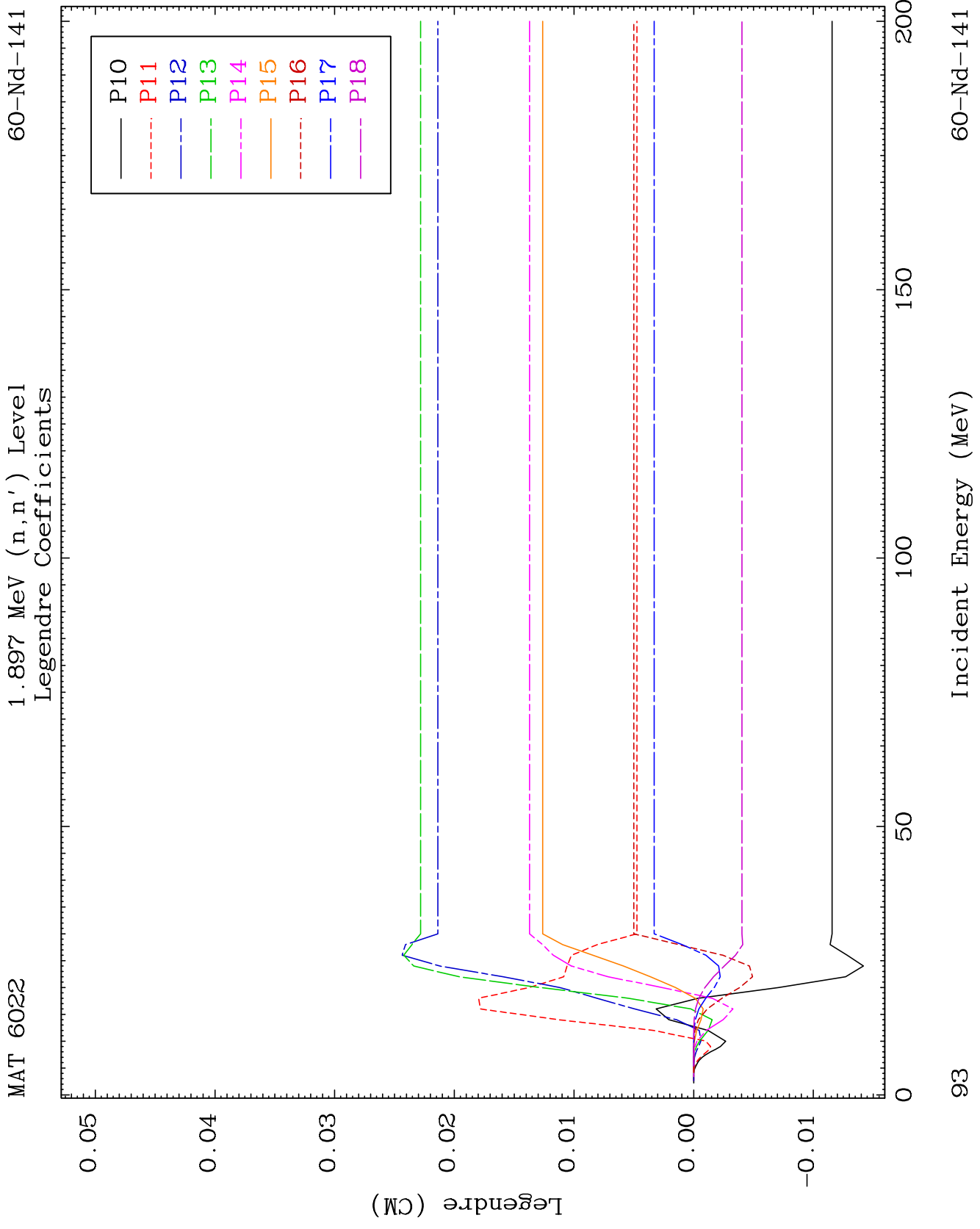


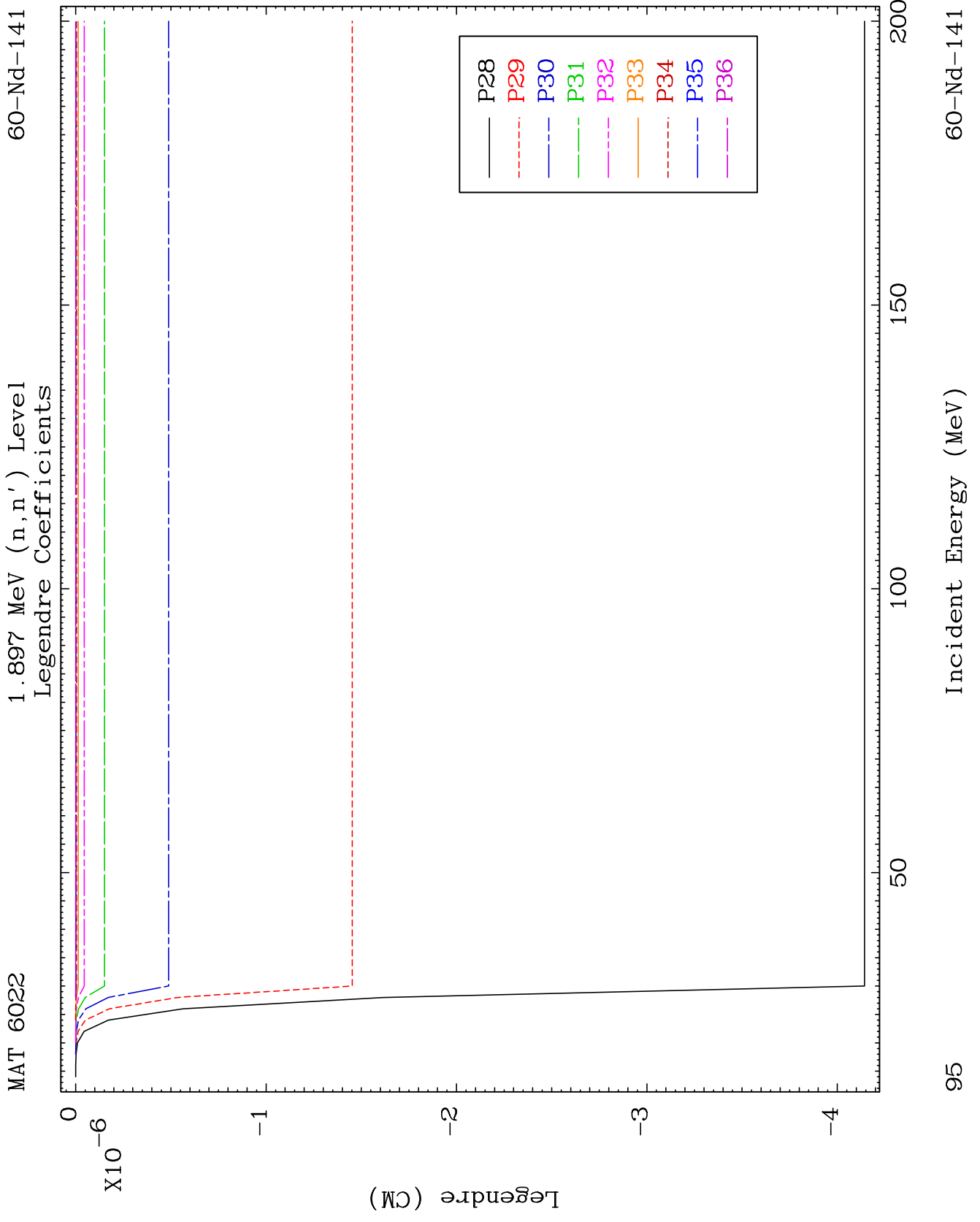
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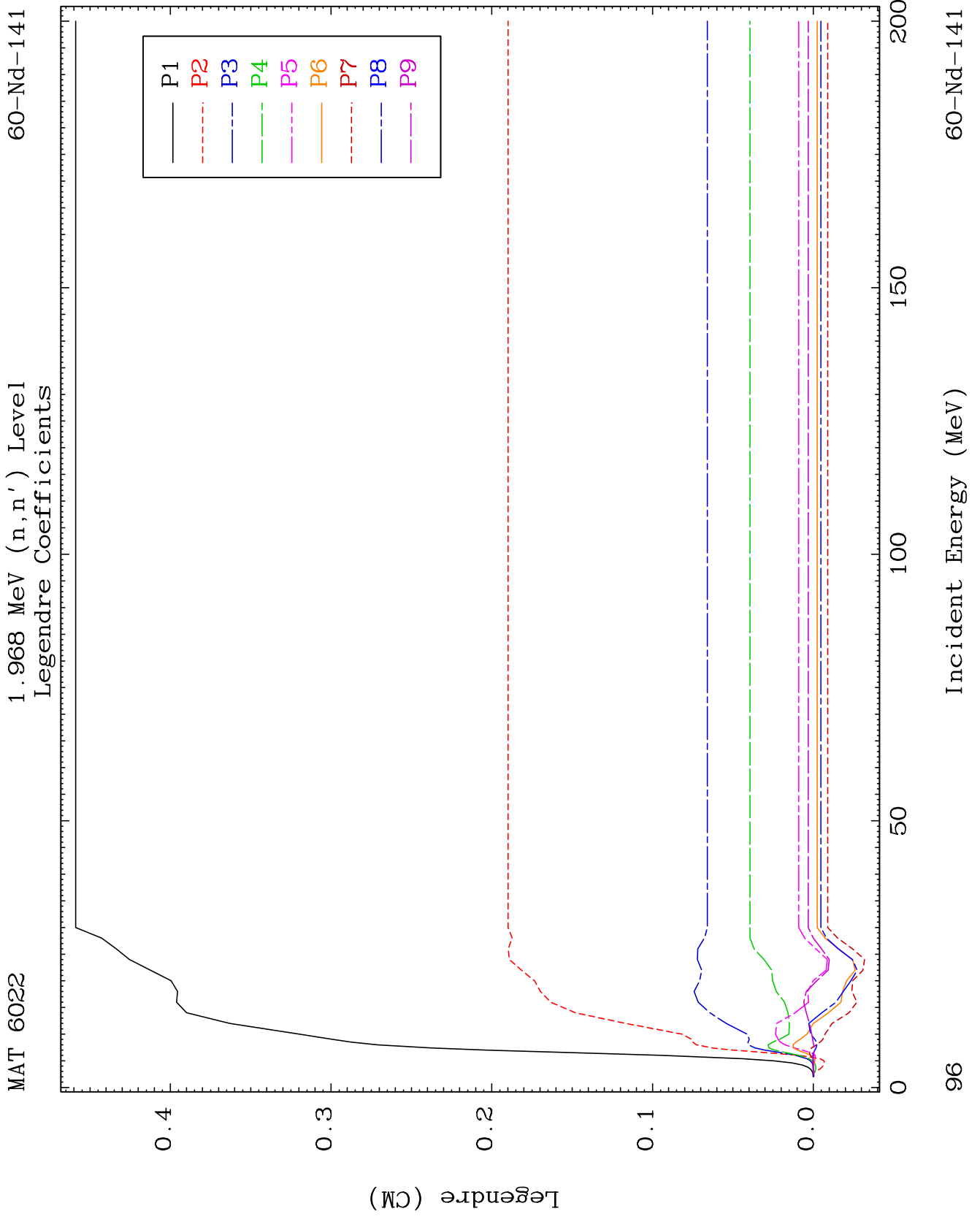
Incident Energy (MeV)

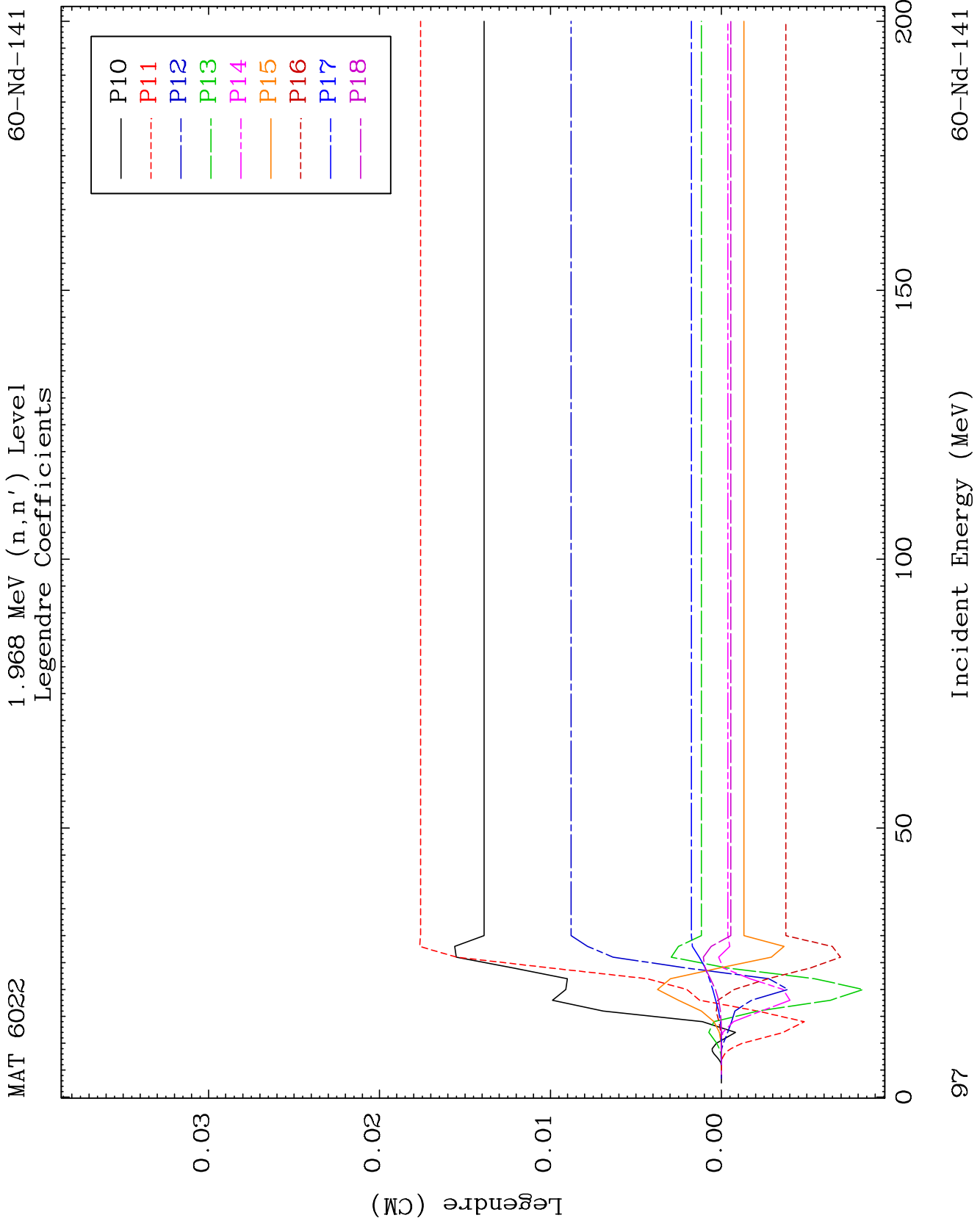
60-Nd-141

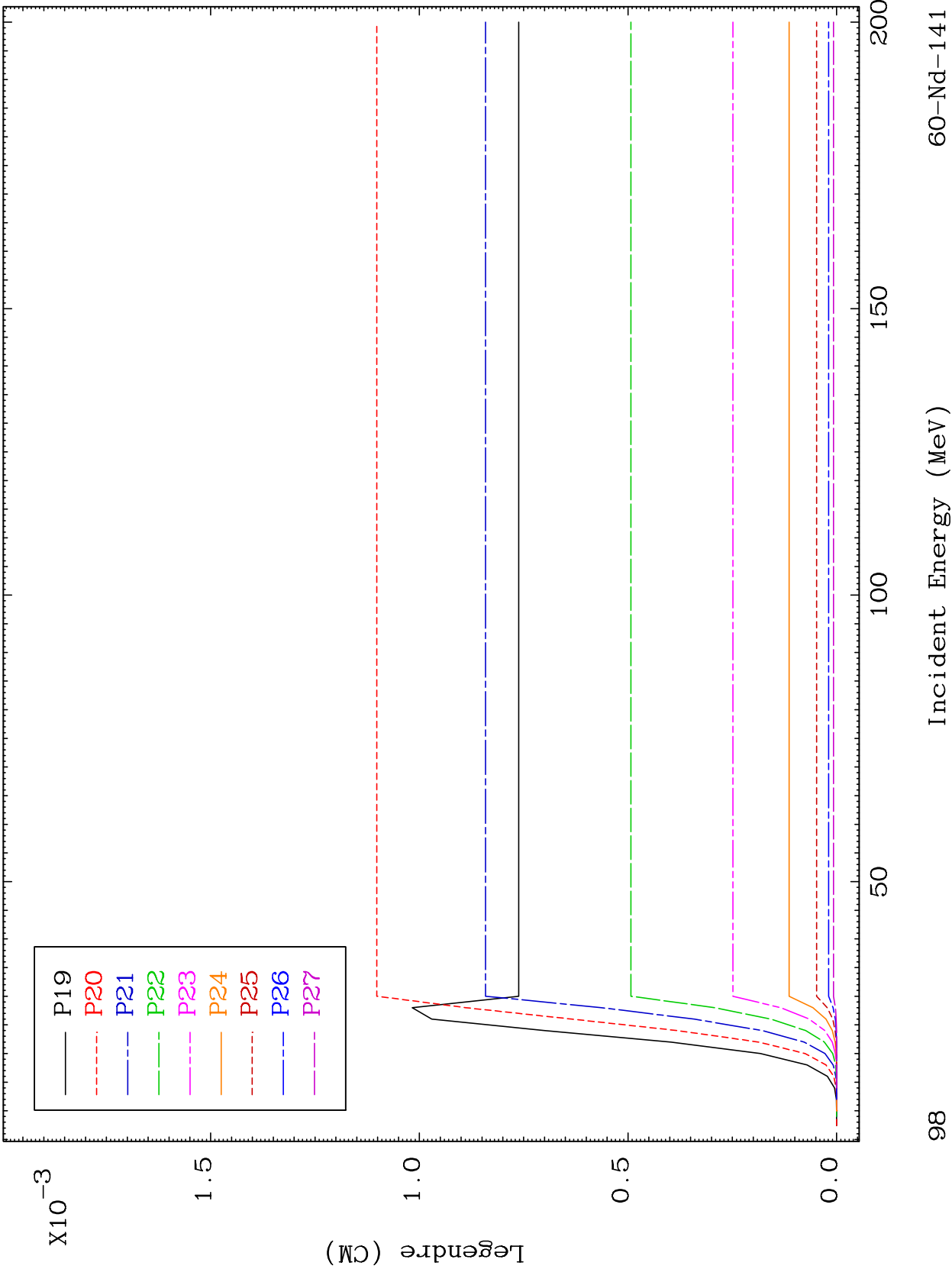


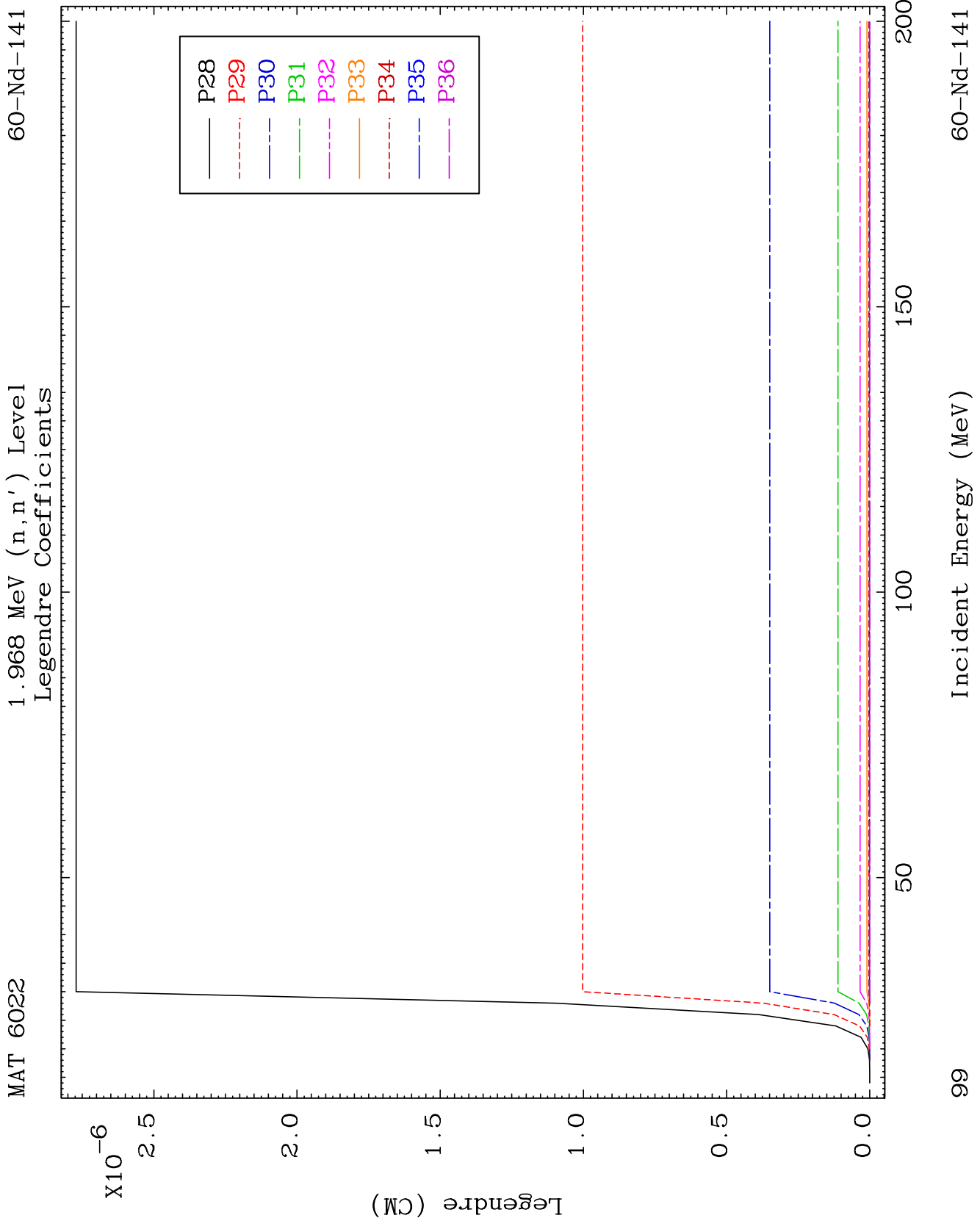


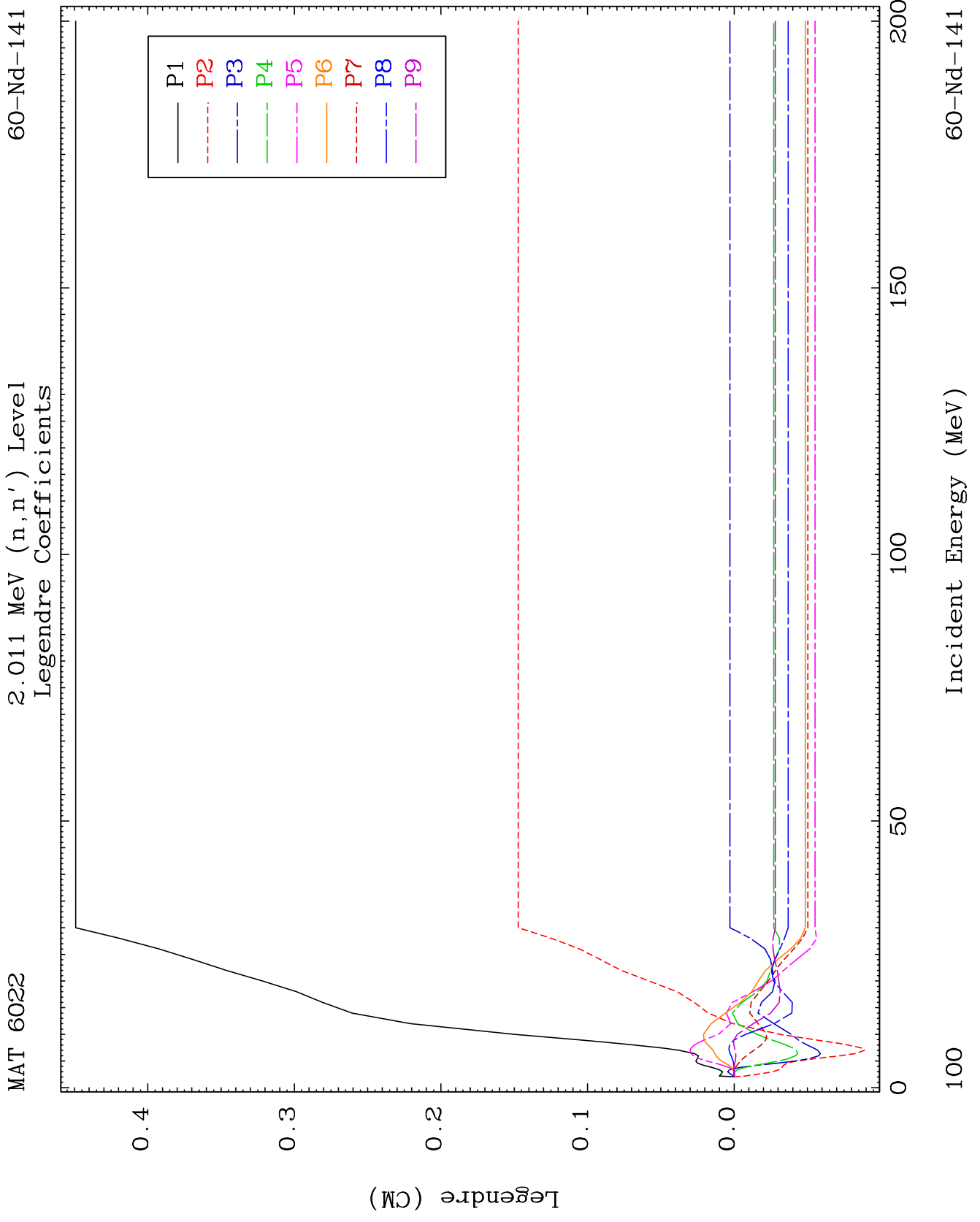


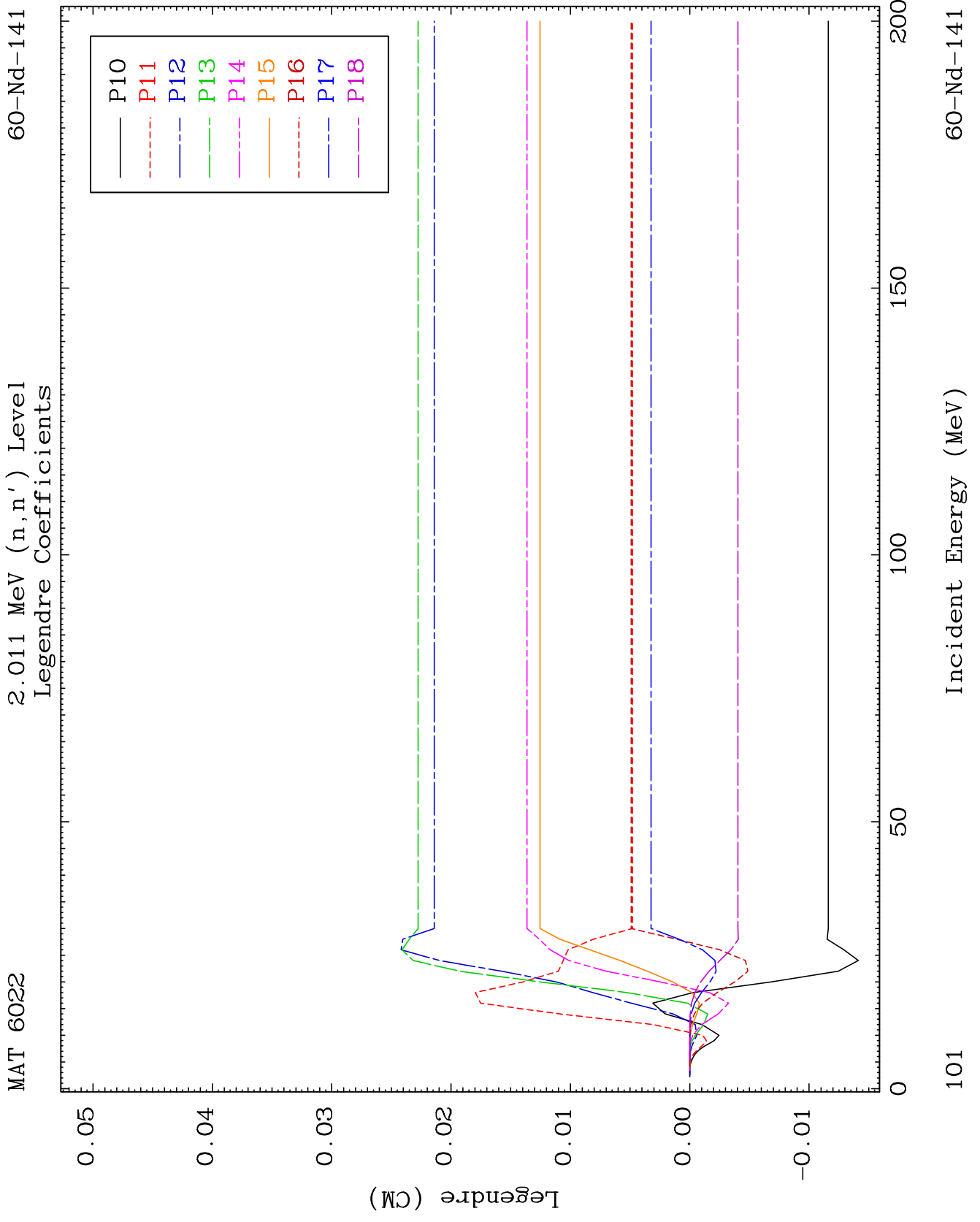


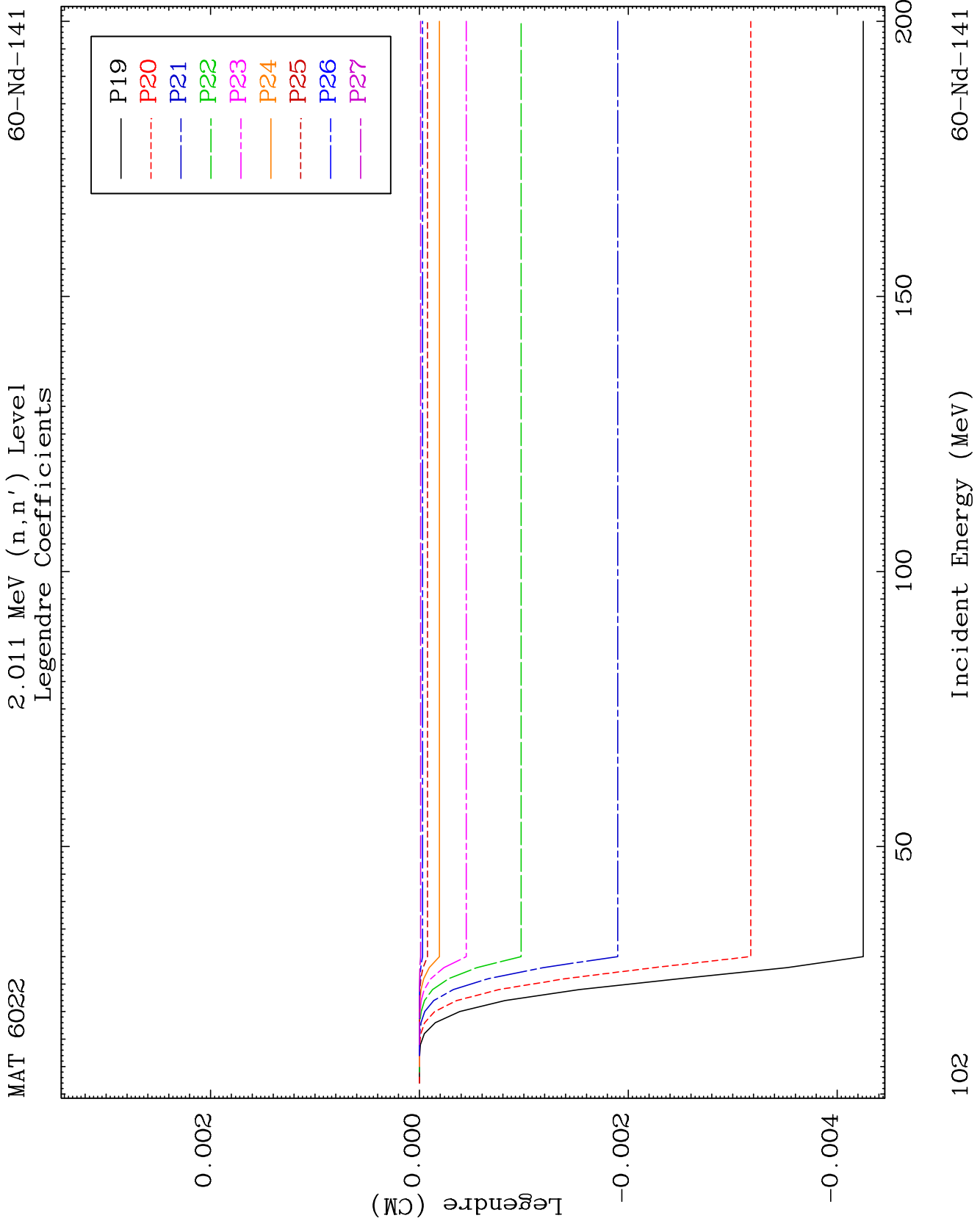


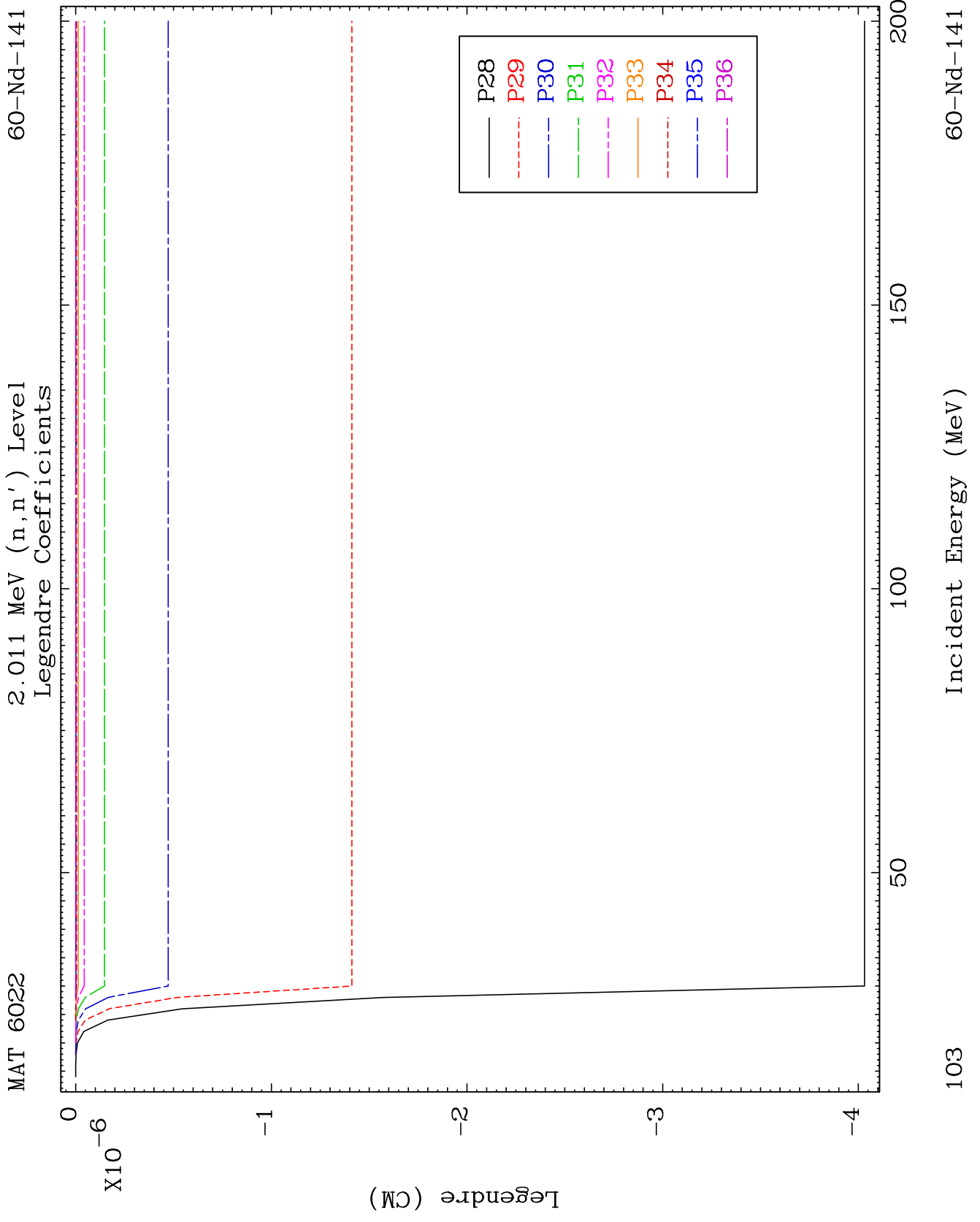


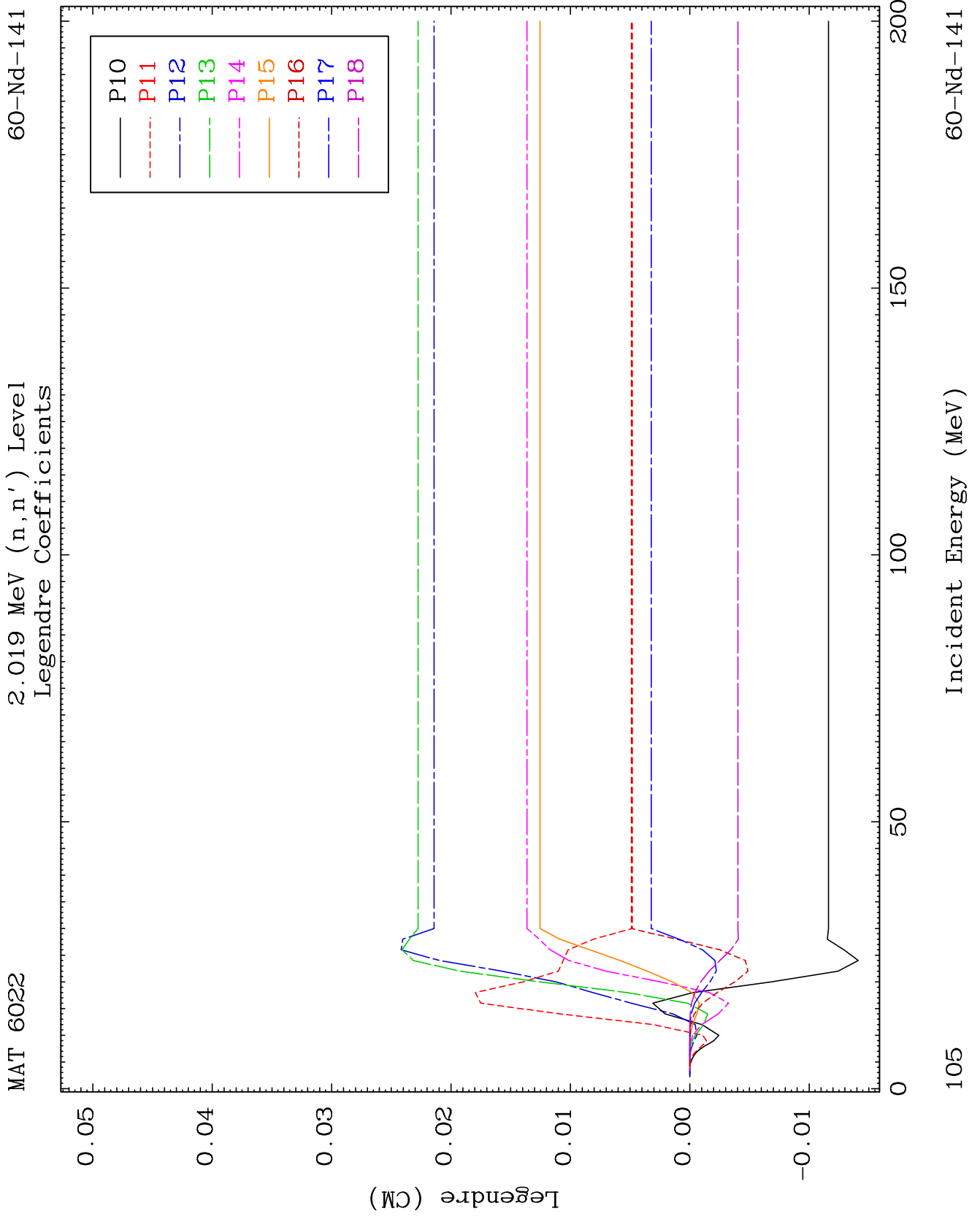


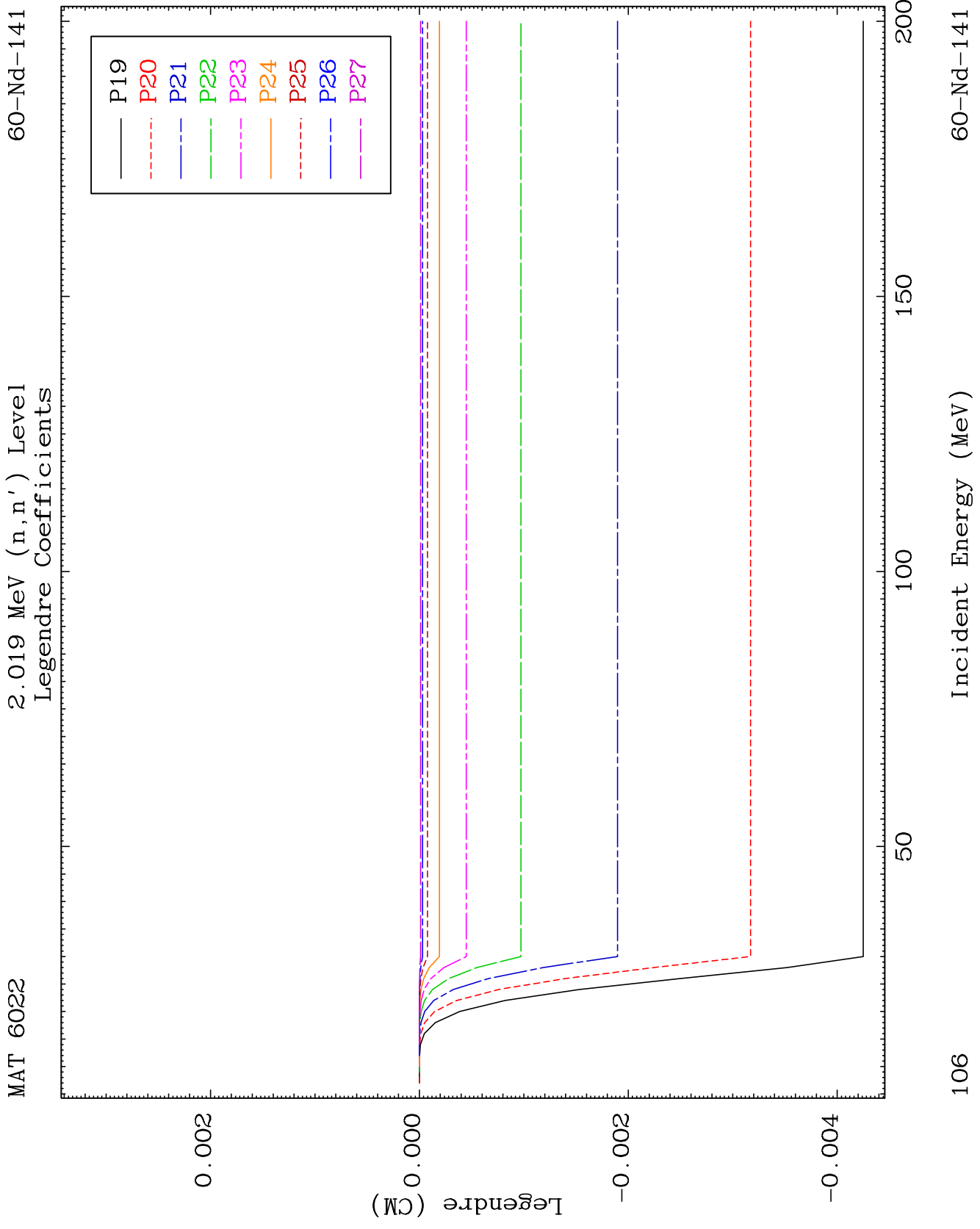


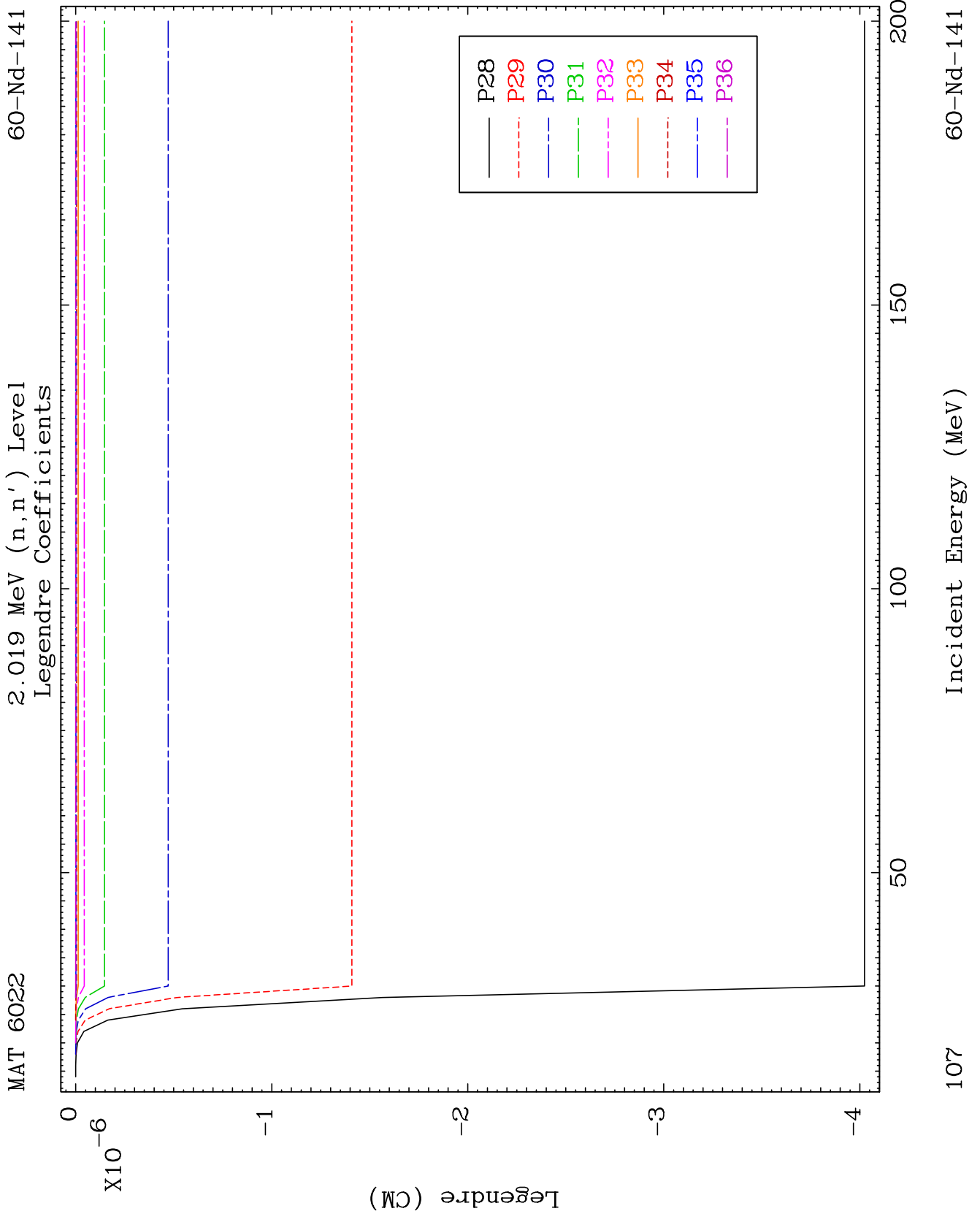


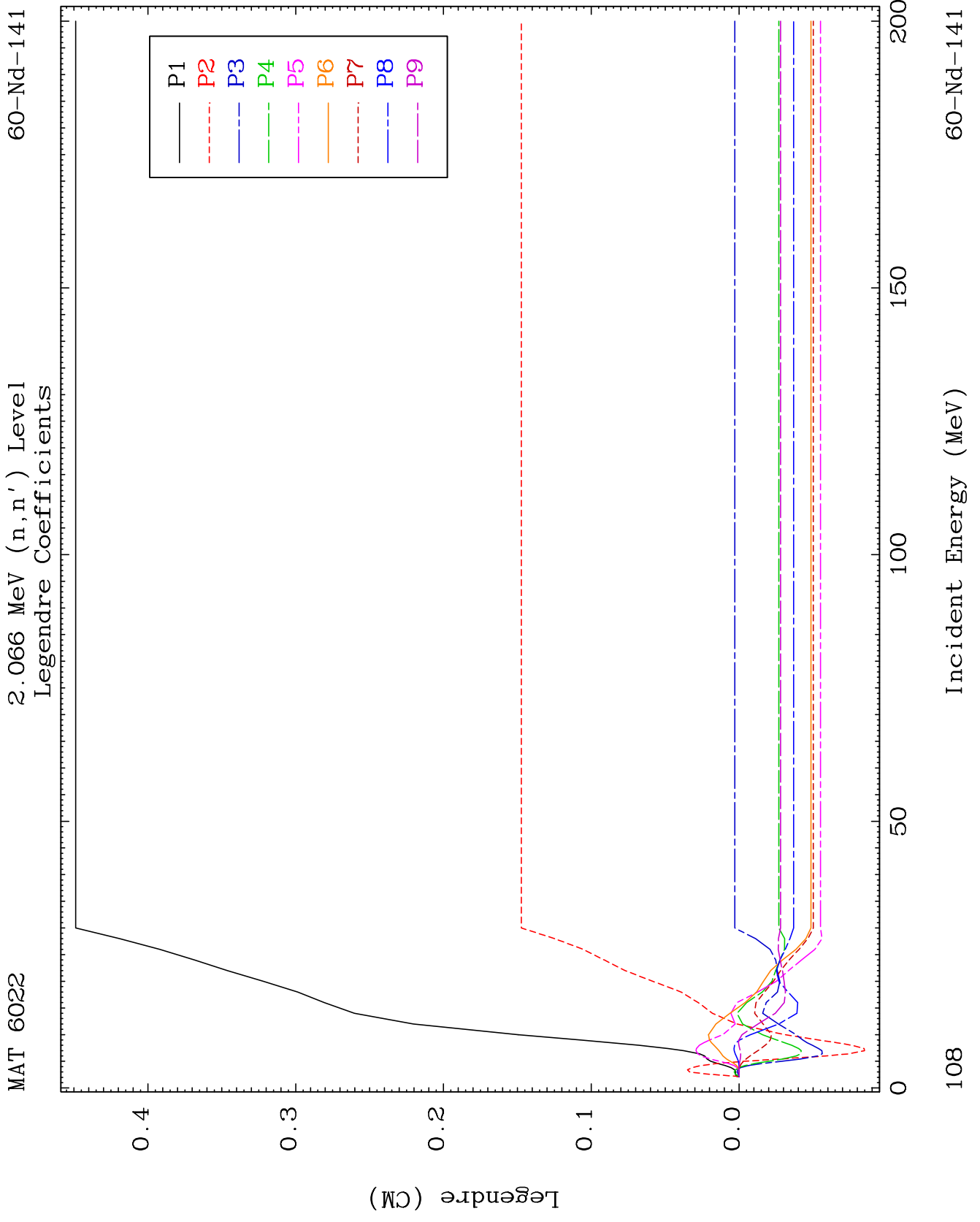


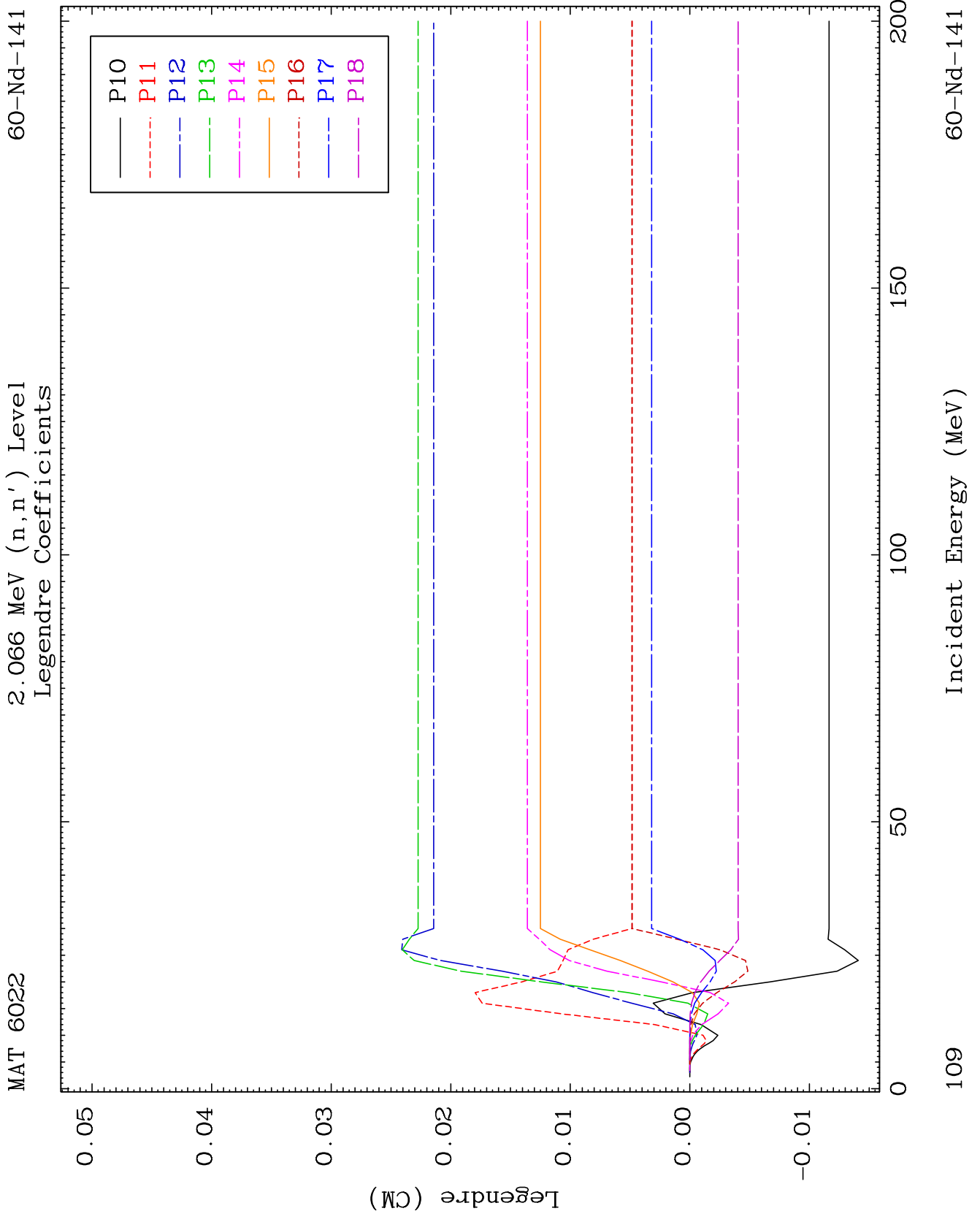


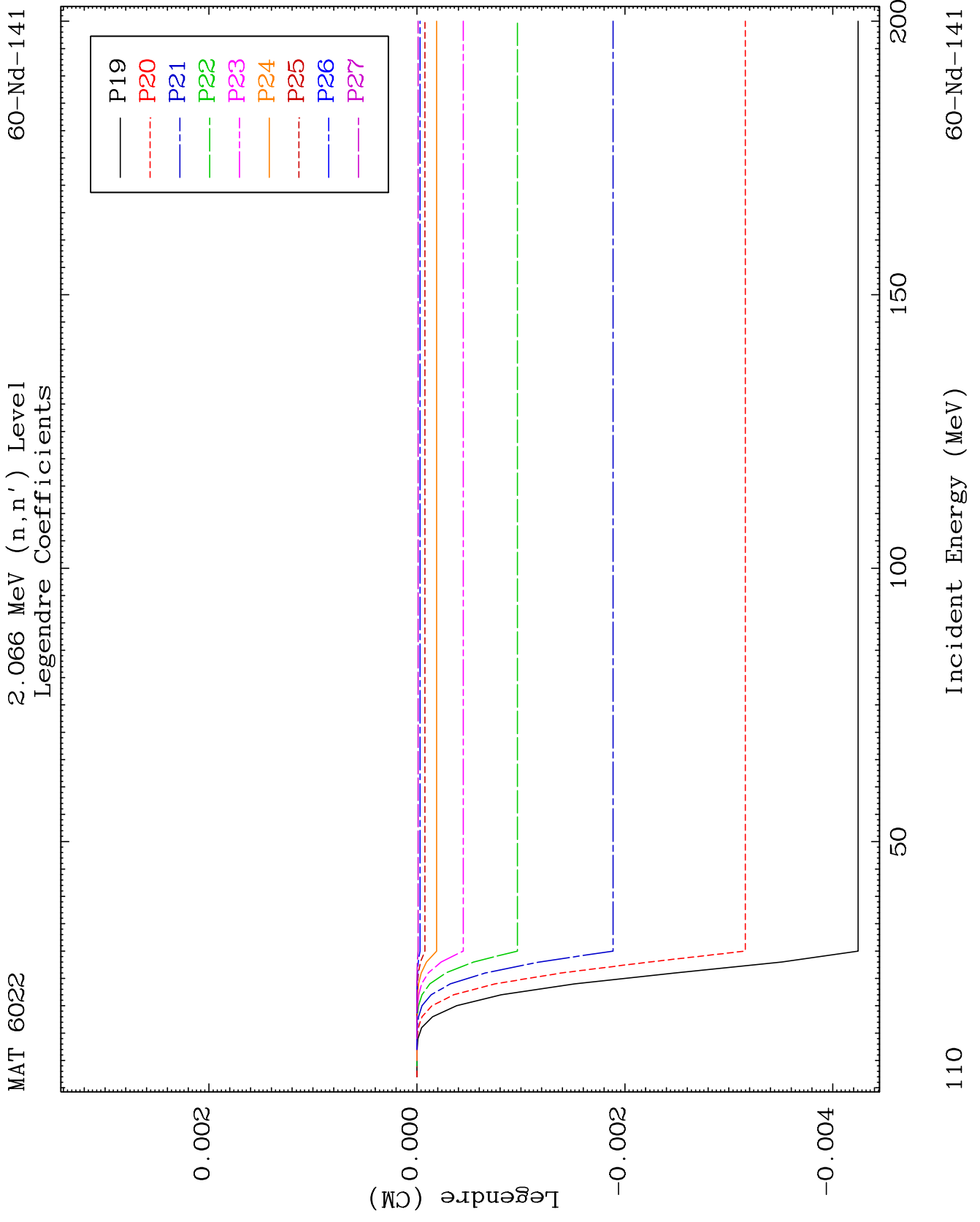


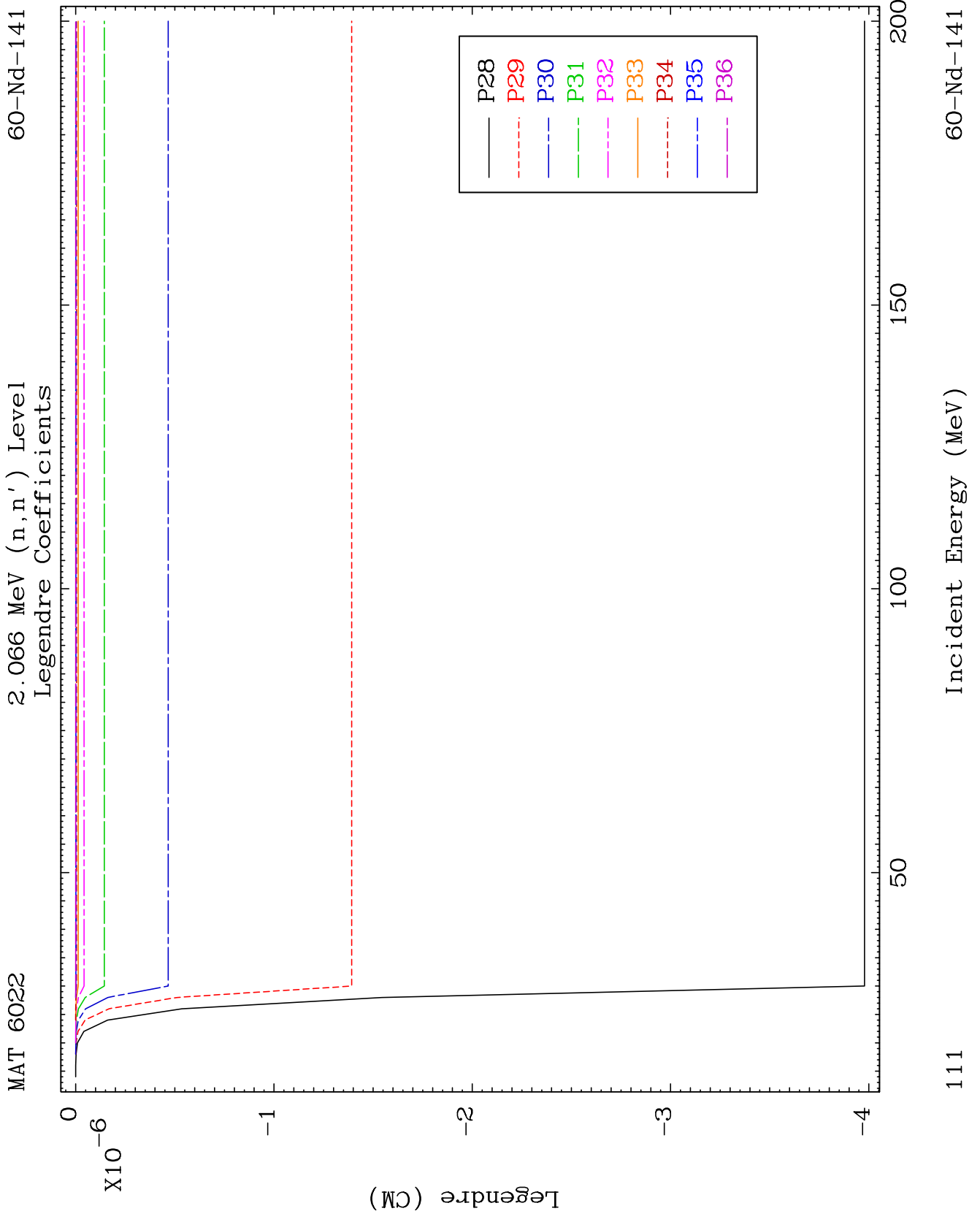


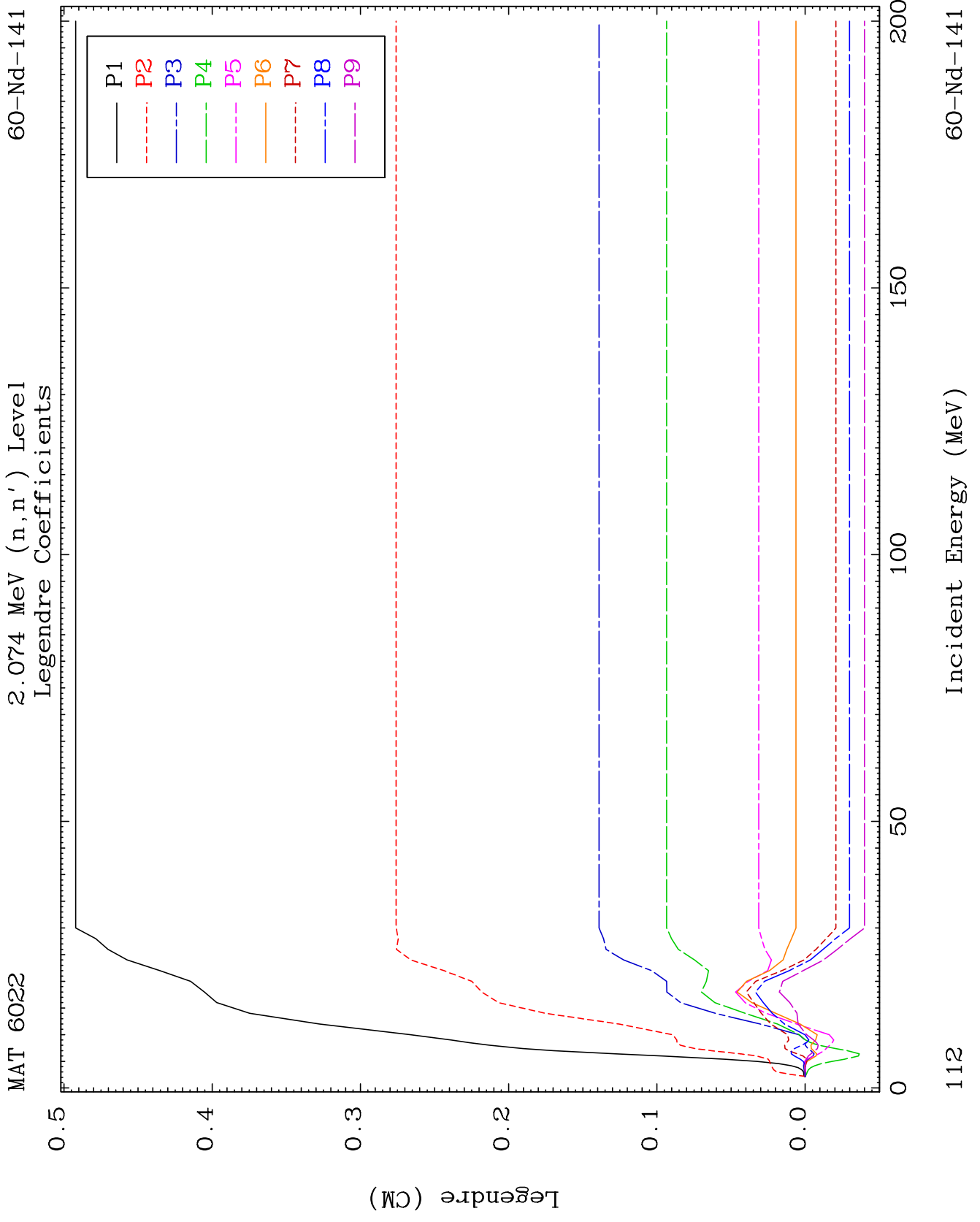


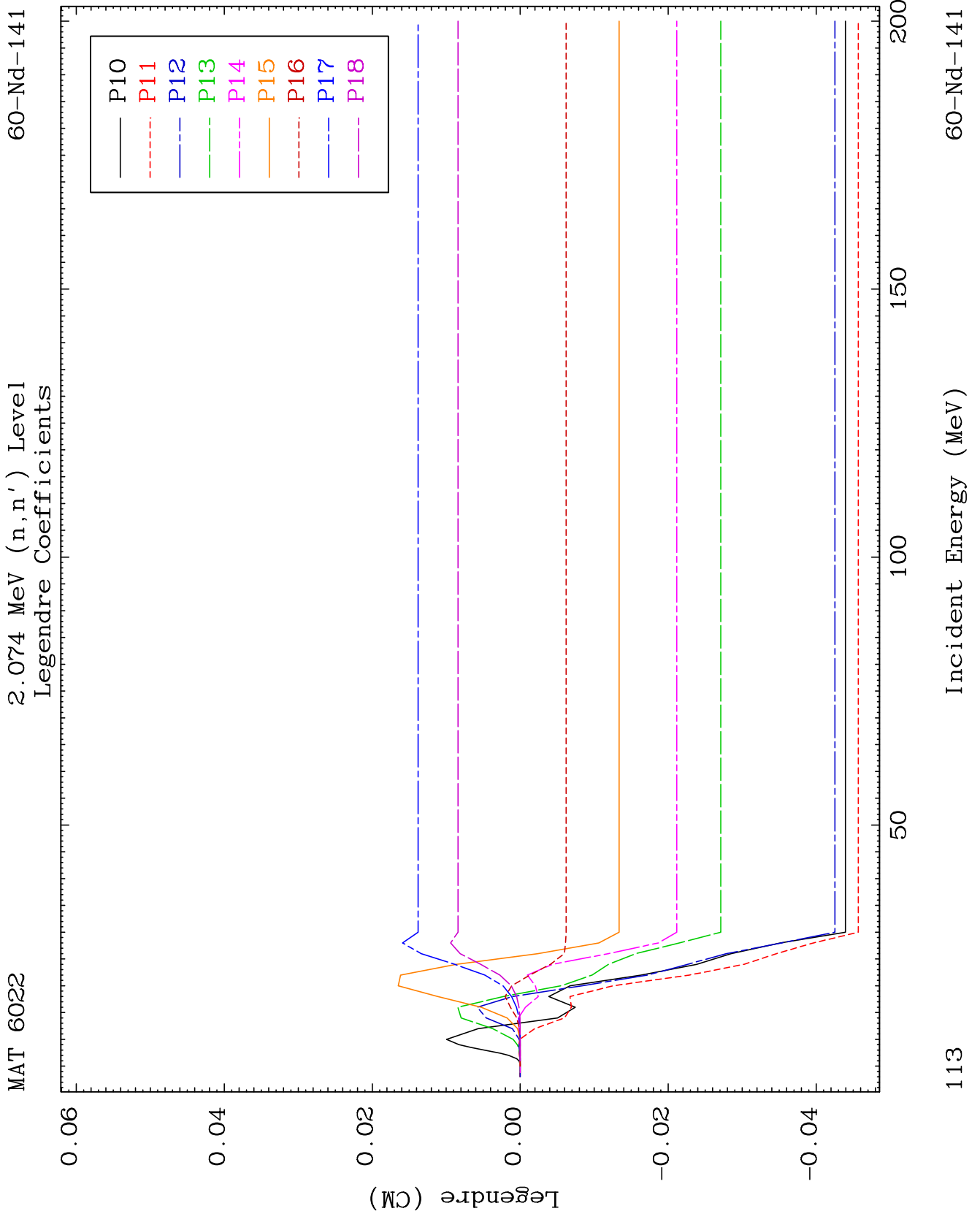








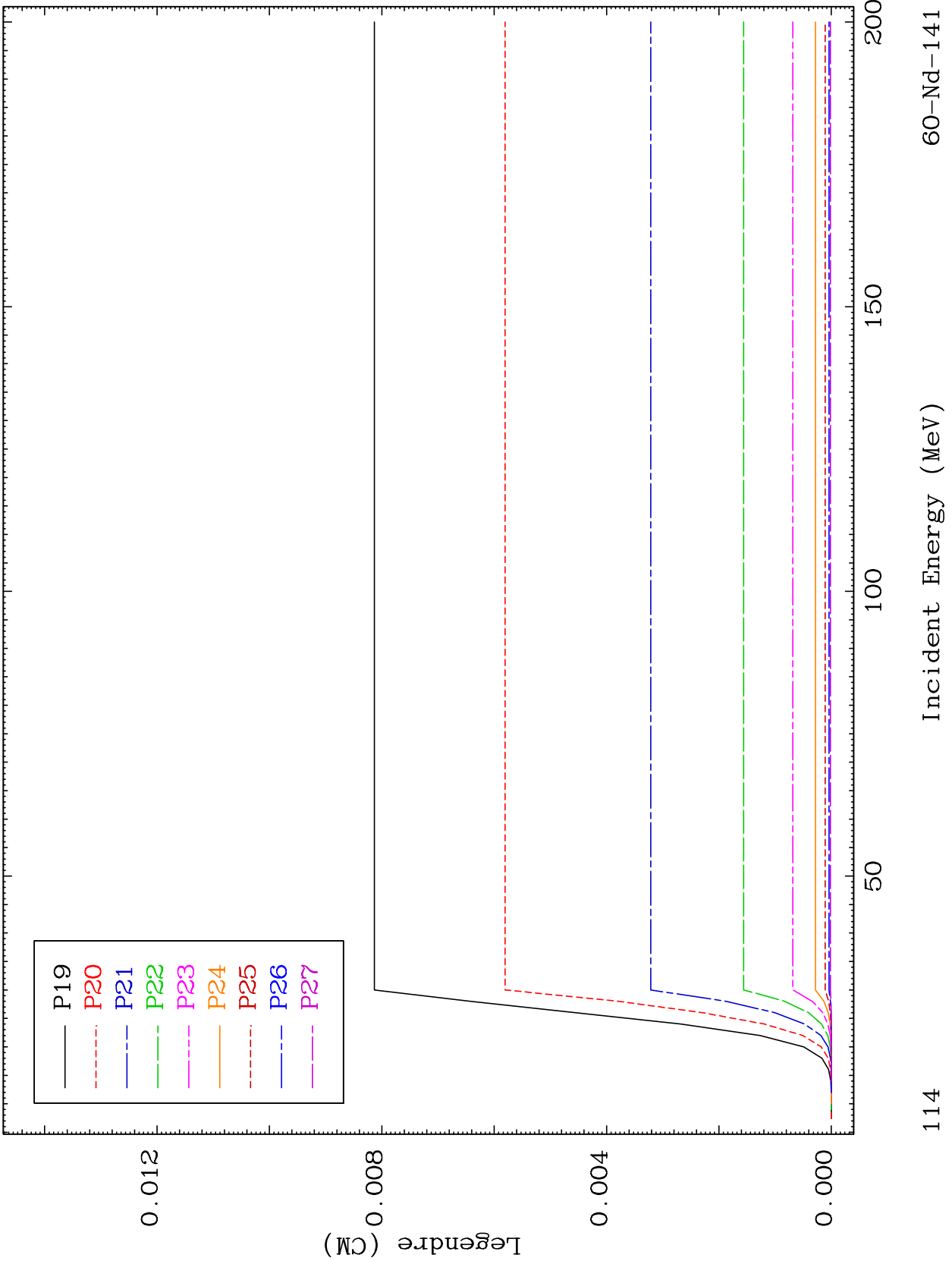




MAT 6022

2.074 MeV (n,n') Level
Legendre Coefficients

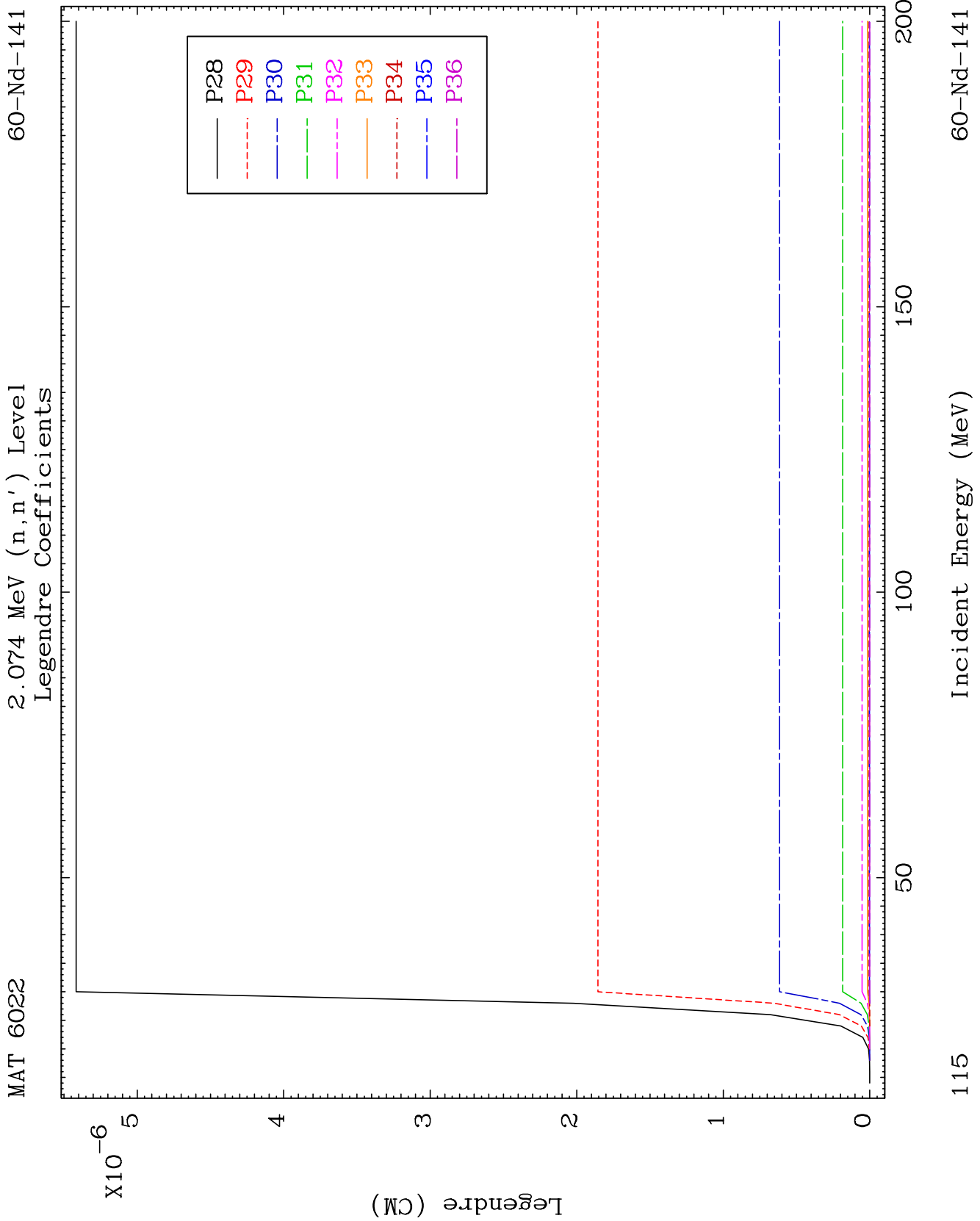
60-Nd-141

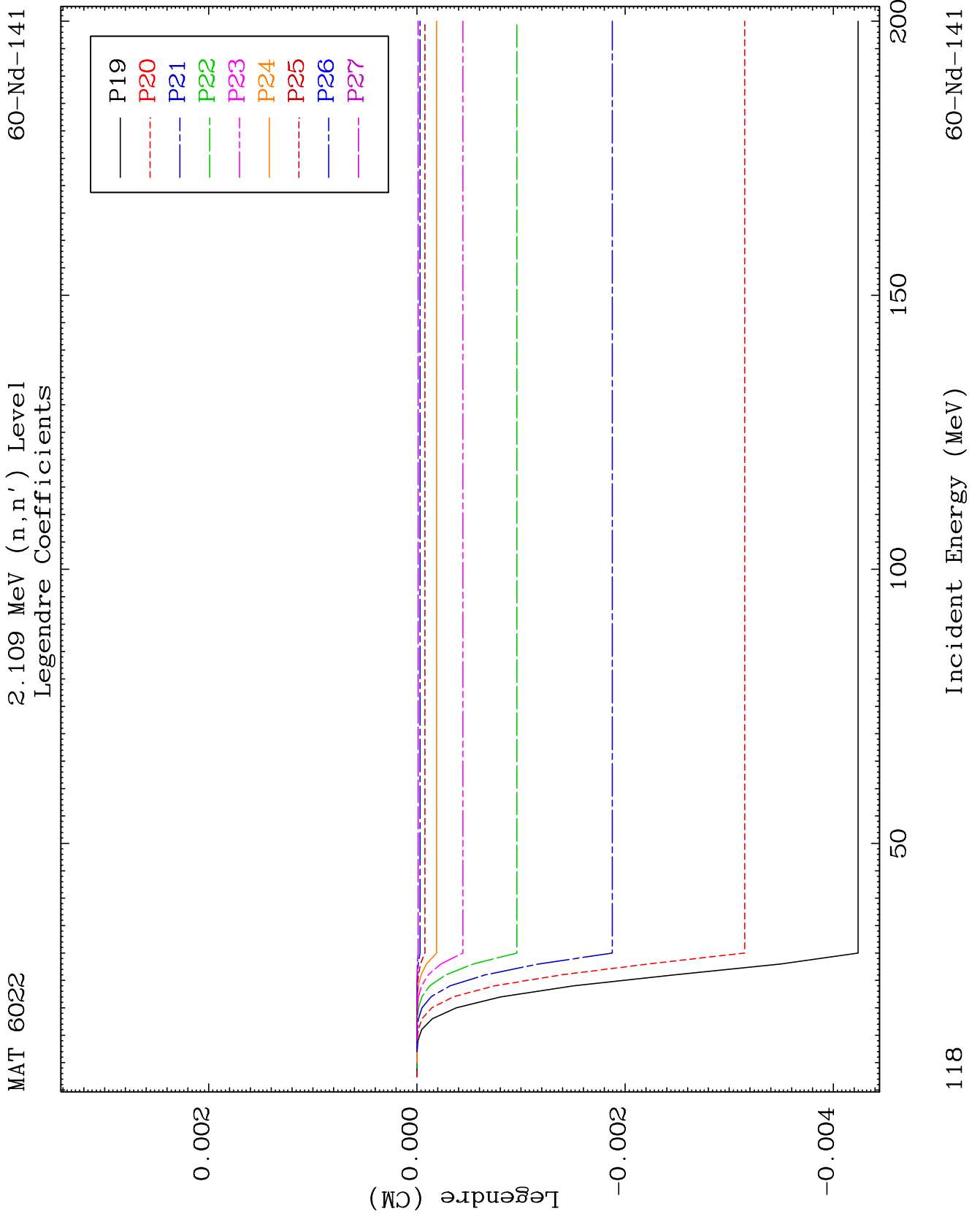


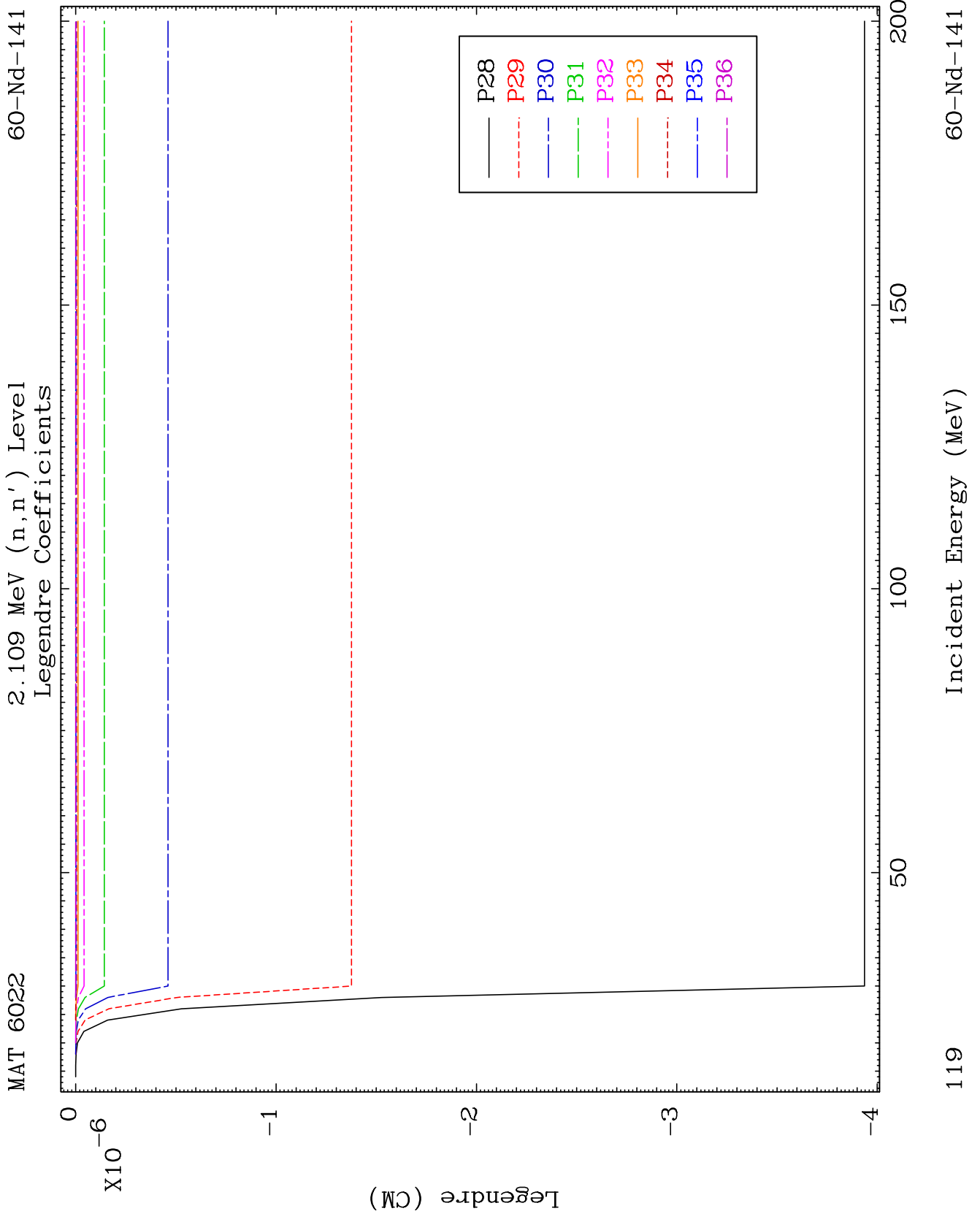
114

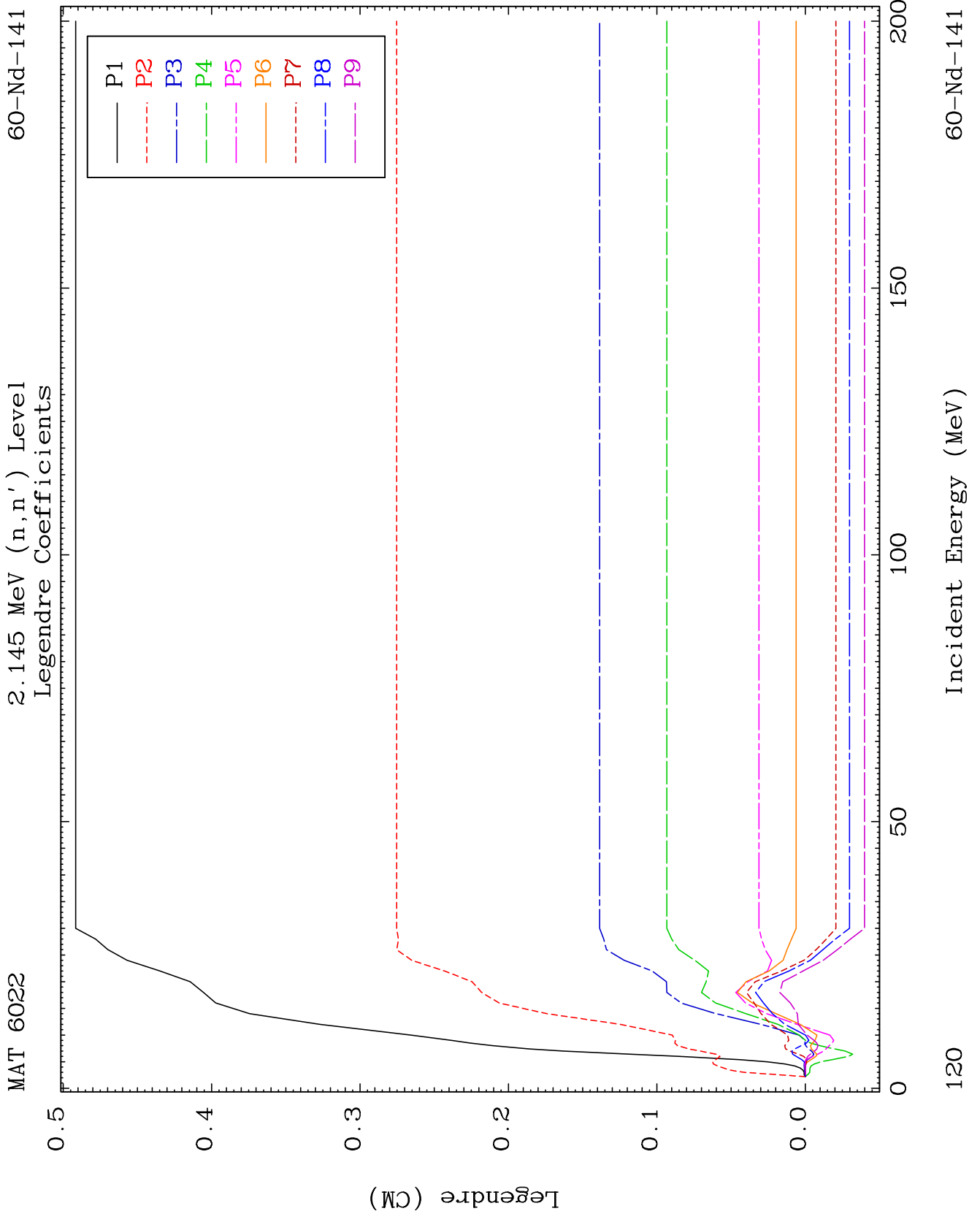
Incident Energy (MeV)

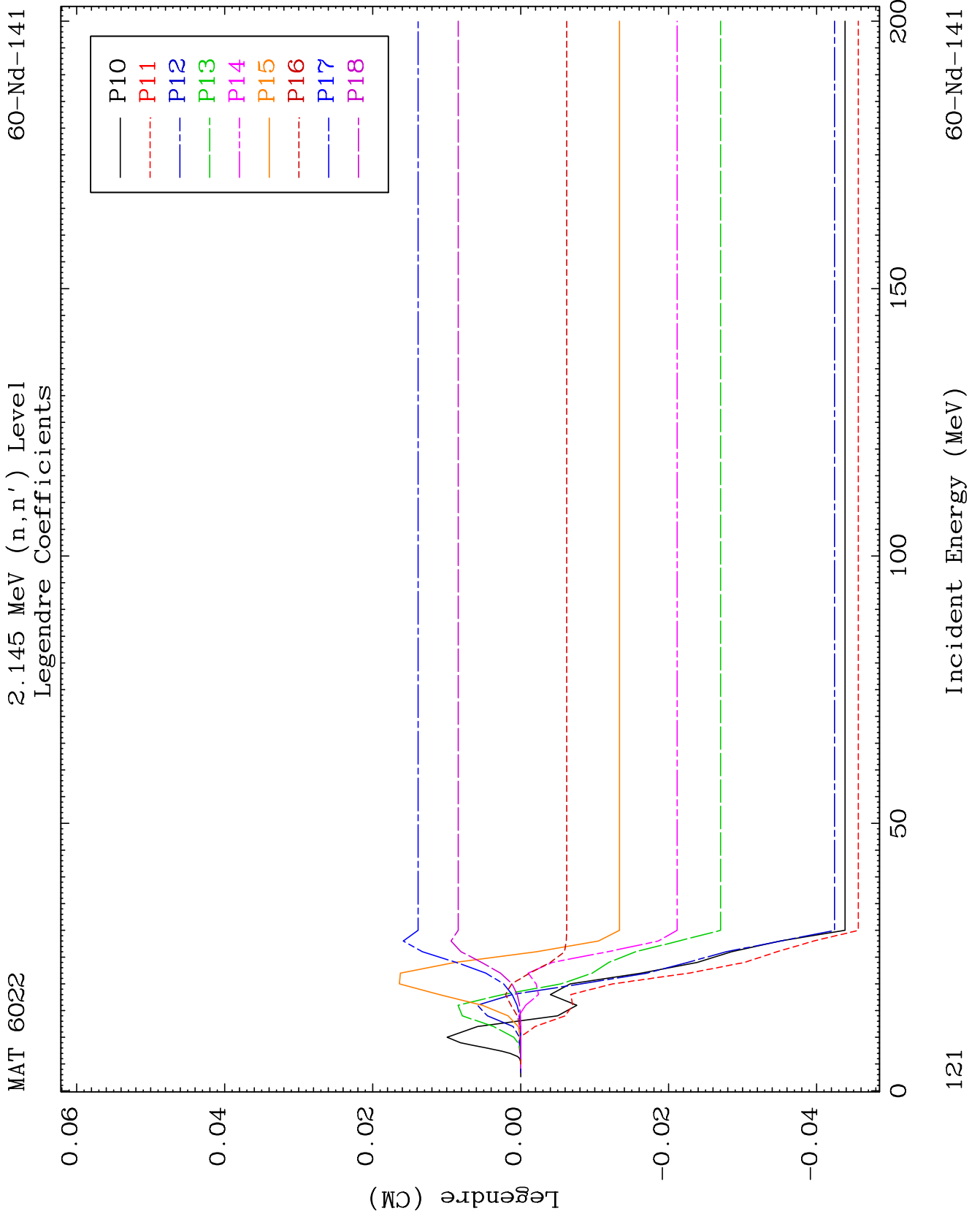
60-Nd-141







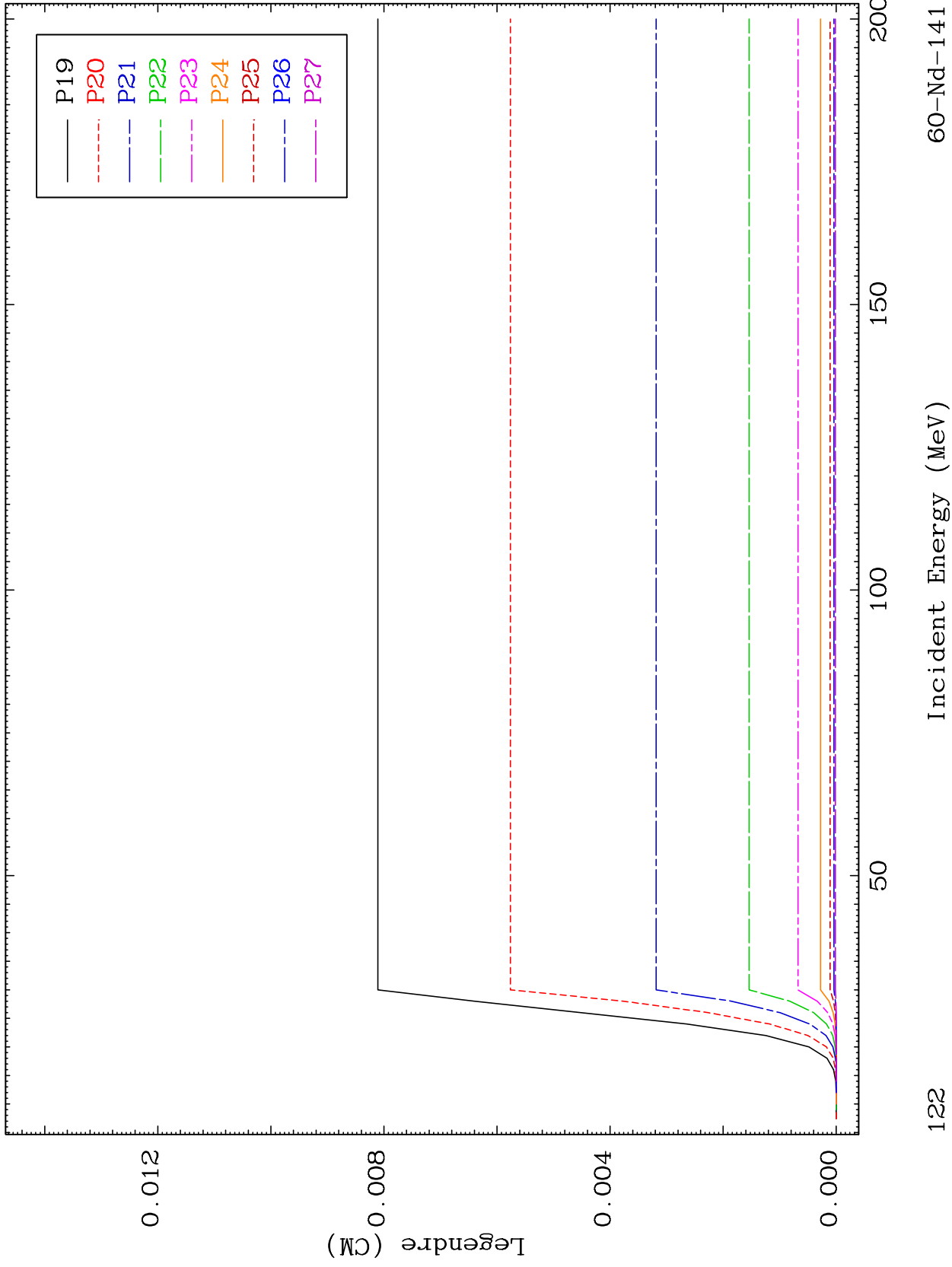




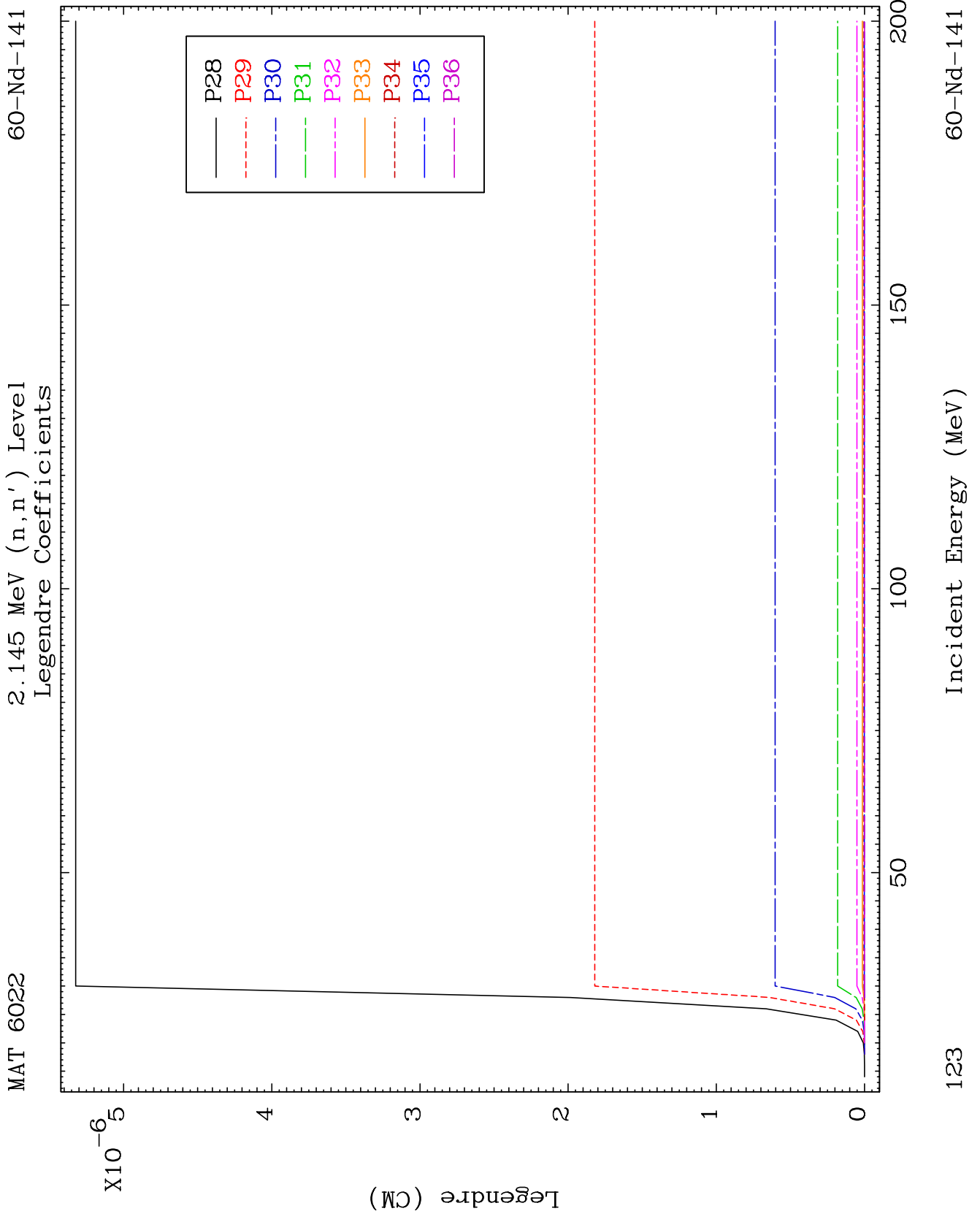
MAT 6022

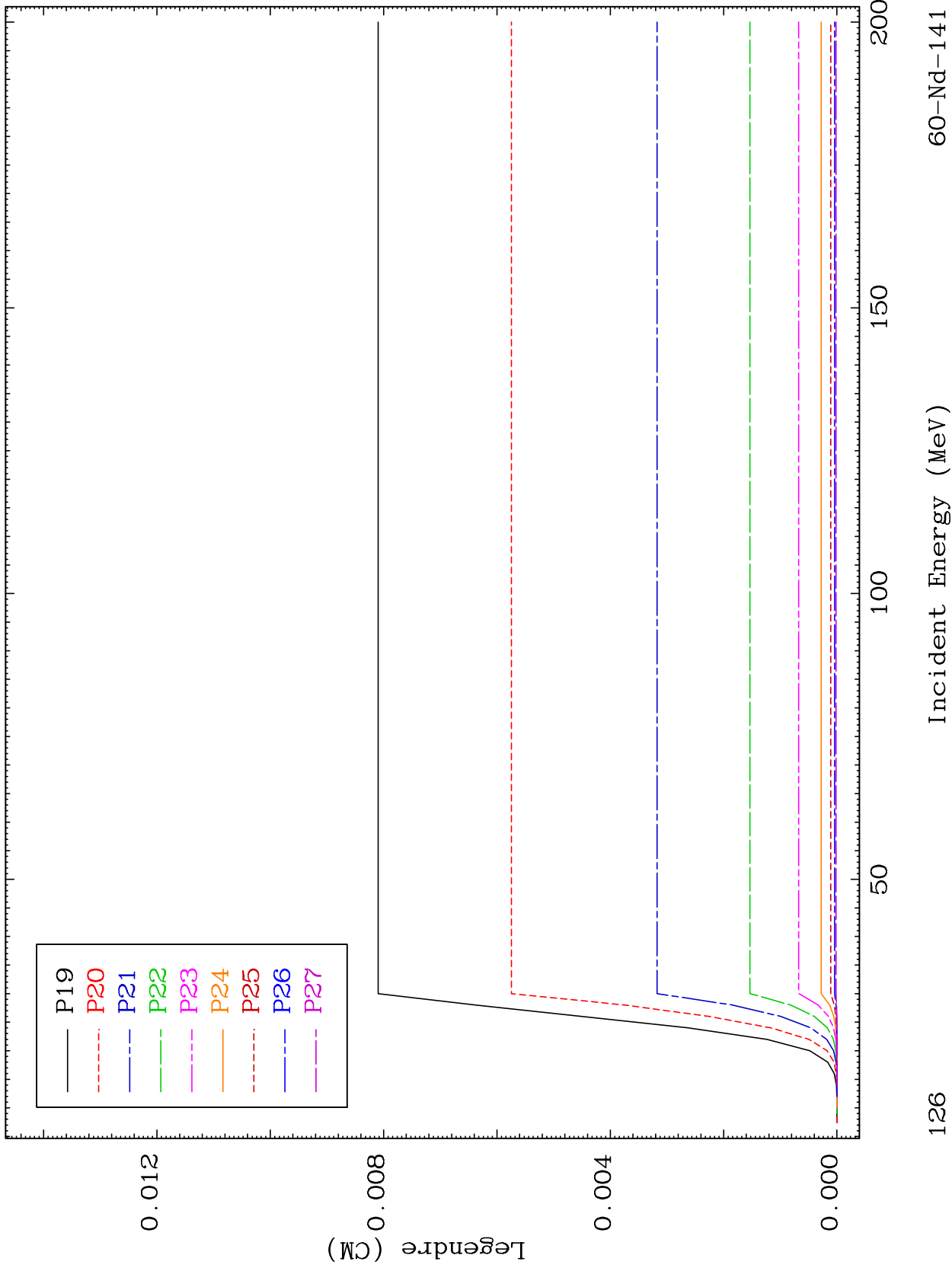
2.145 MeV (n, n') Level
Legendre Coefficients

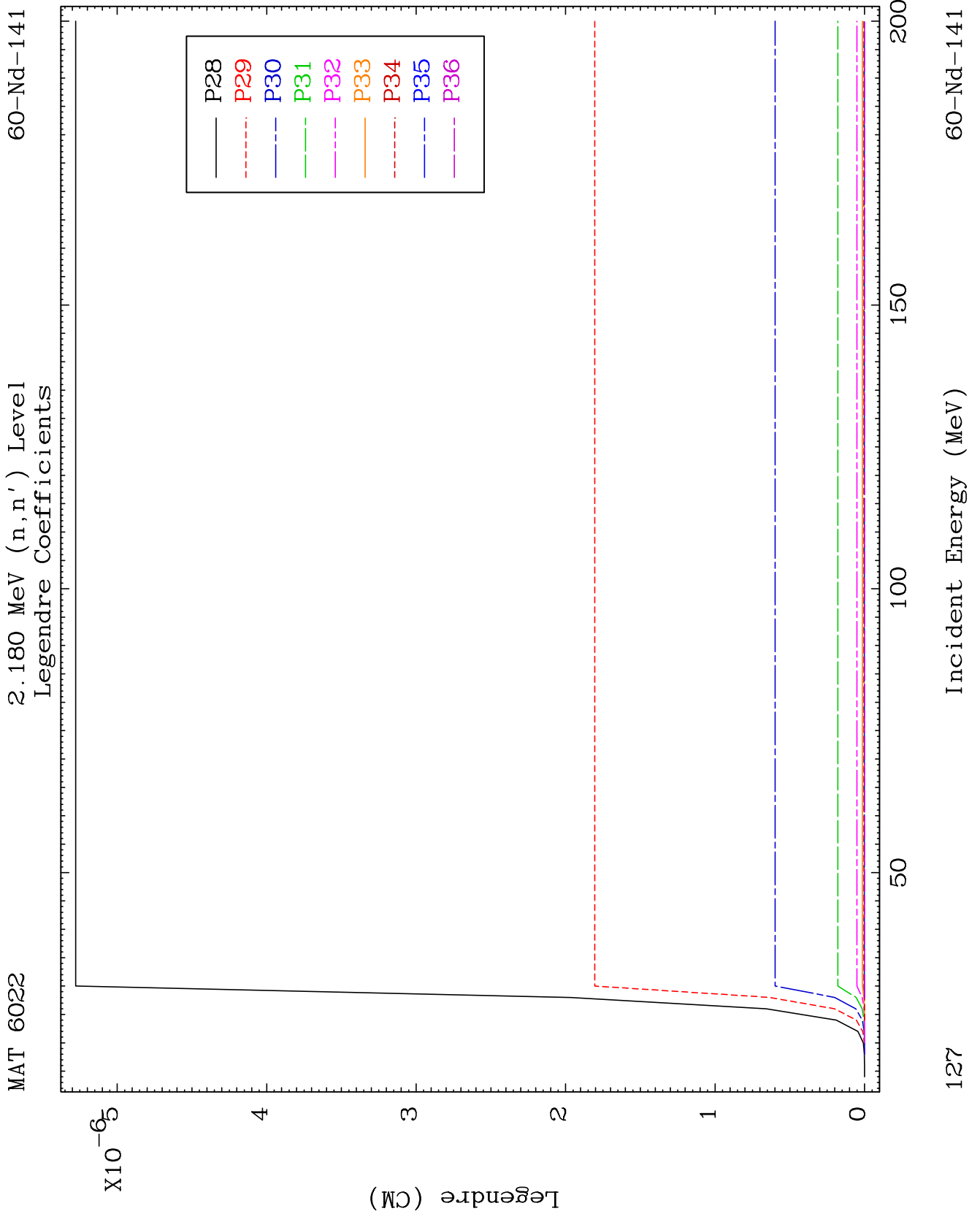
60-Nd-141

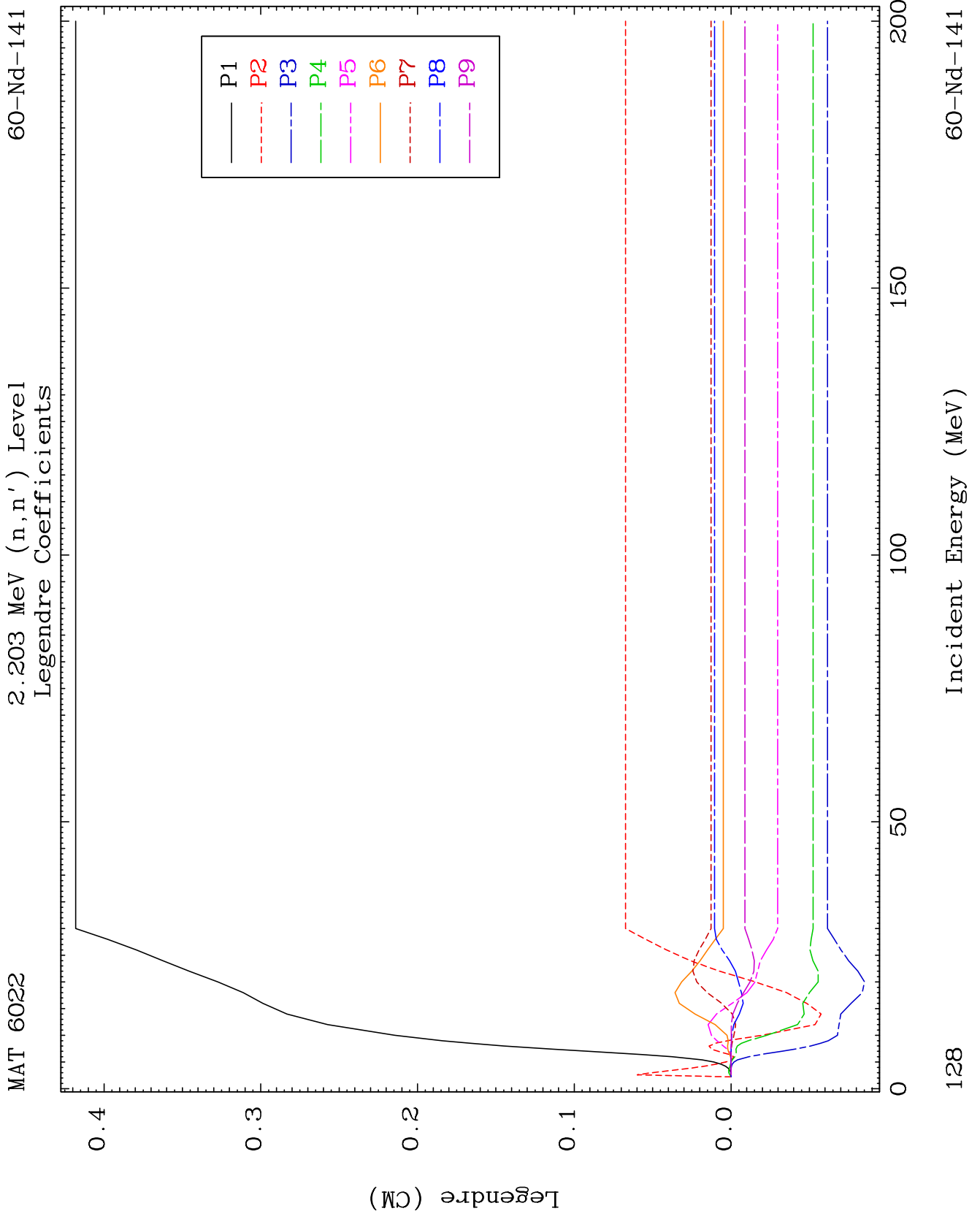


122





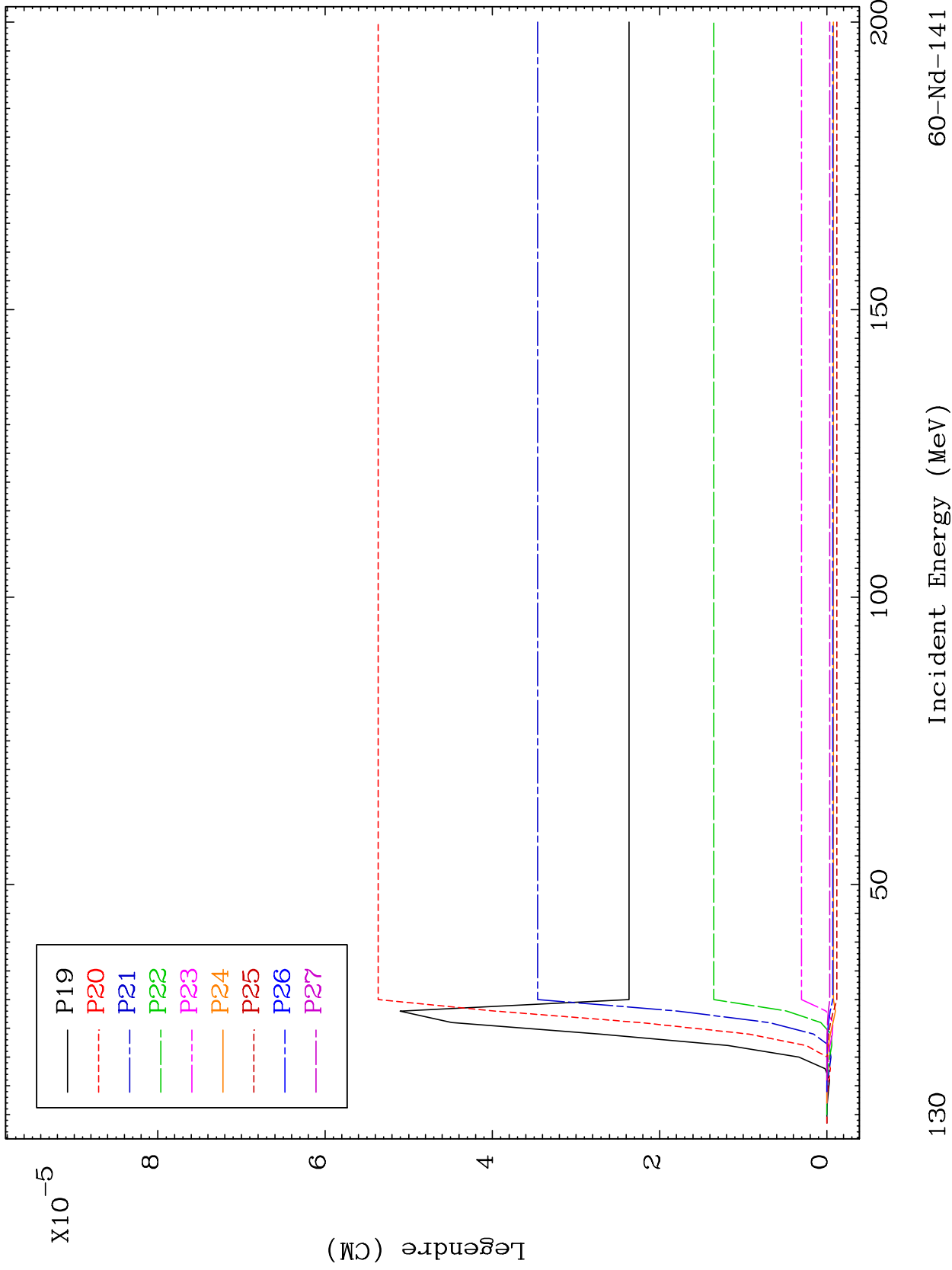




MAT 6022

2.203 MeV (n,n') Level
Legendre Coefficients

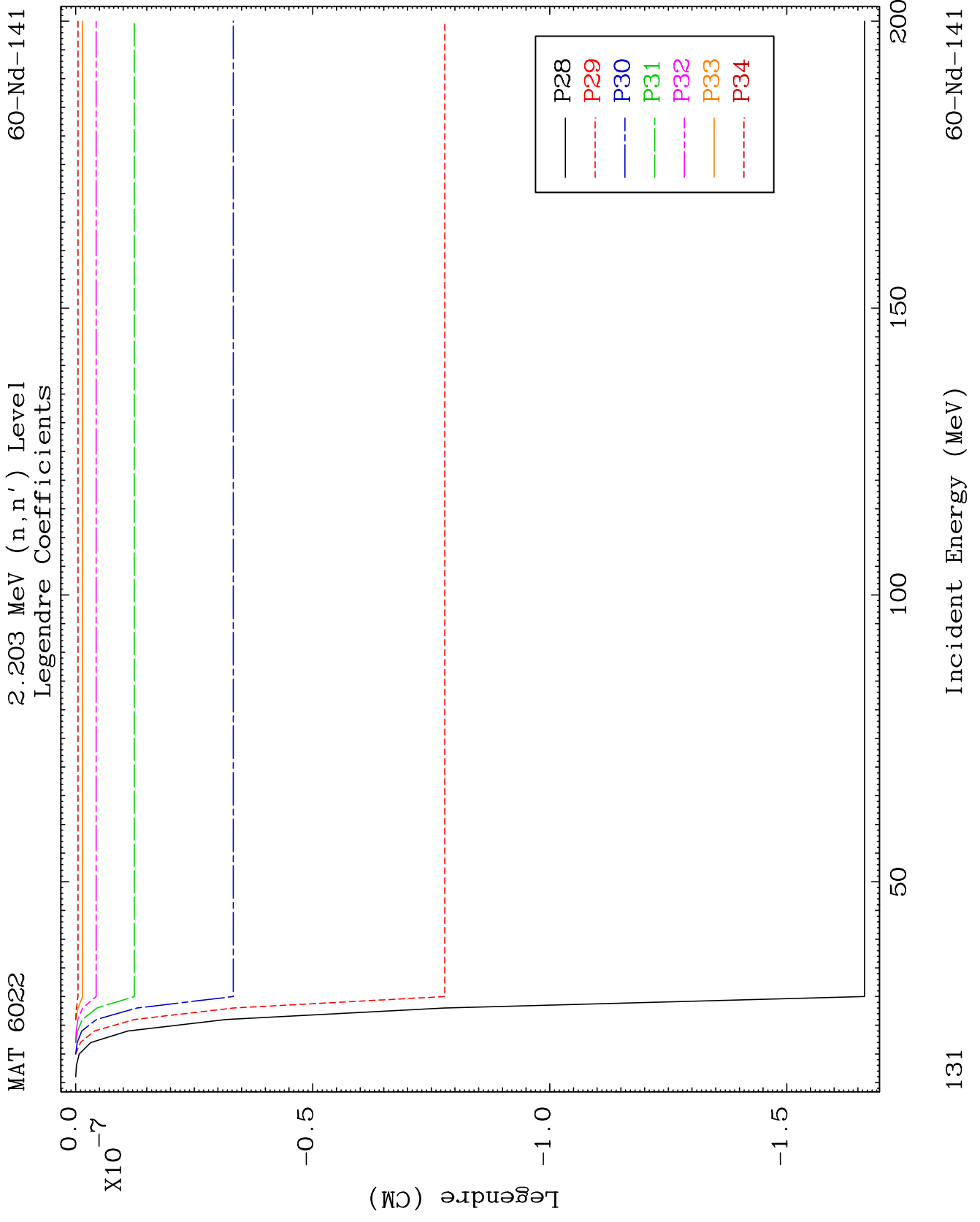
60-Nd-141

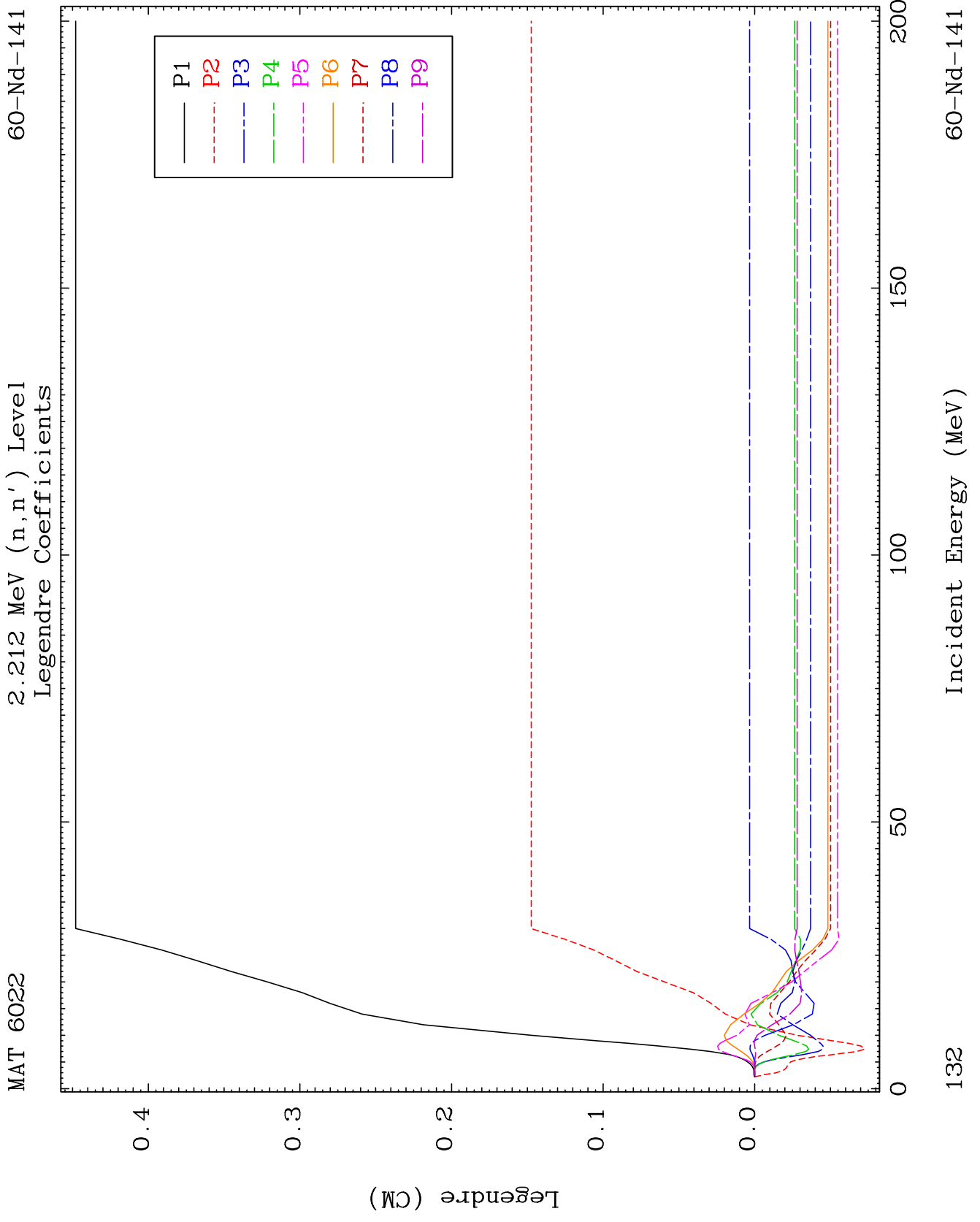


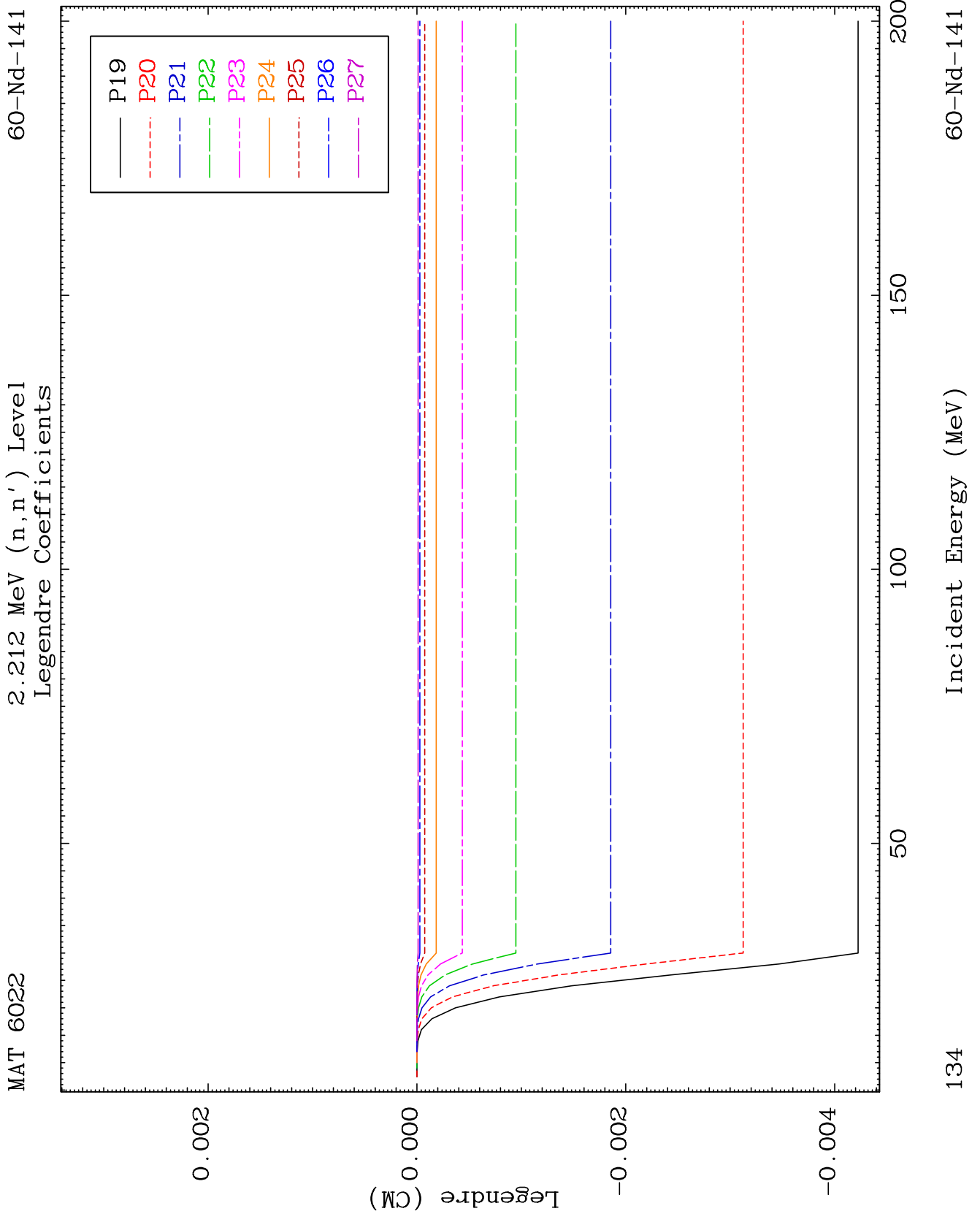
130

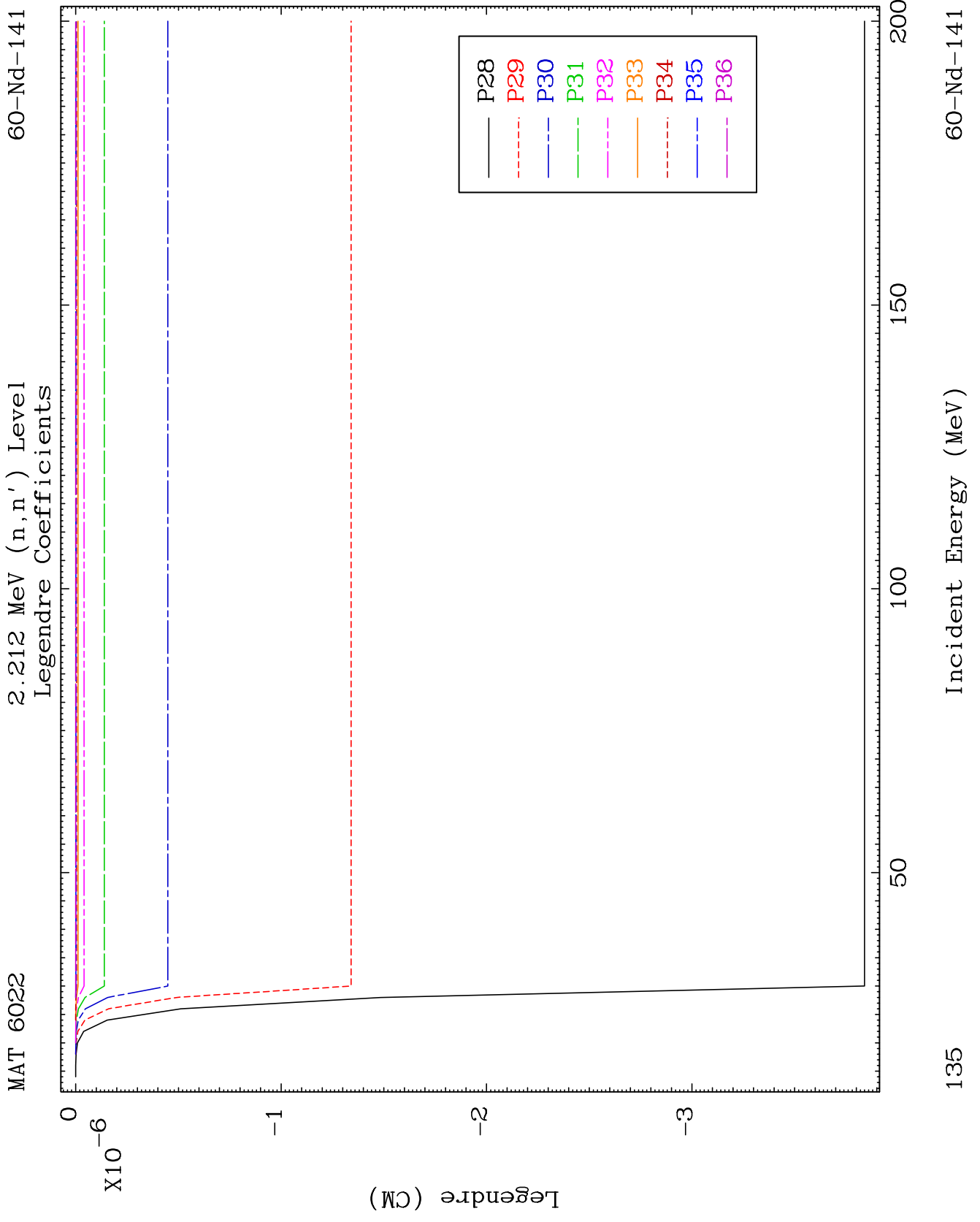
Incident Energy (MeV)

60-Nd-141









MAT 6022

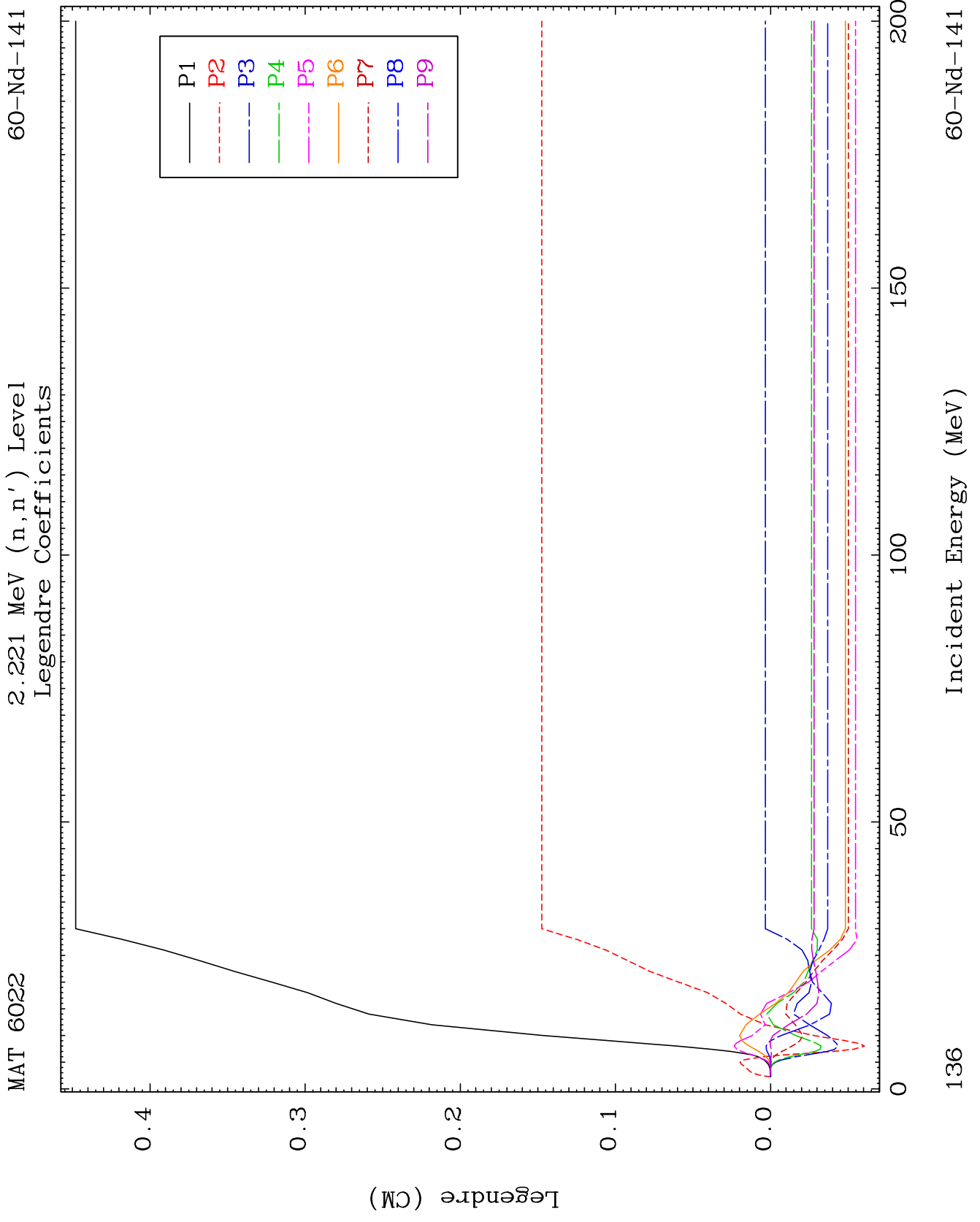
2.212 MeV (n, n') Level

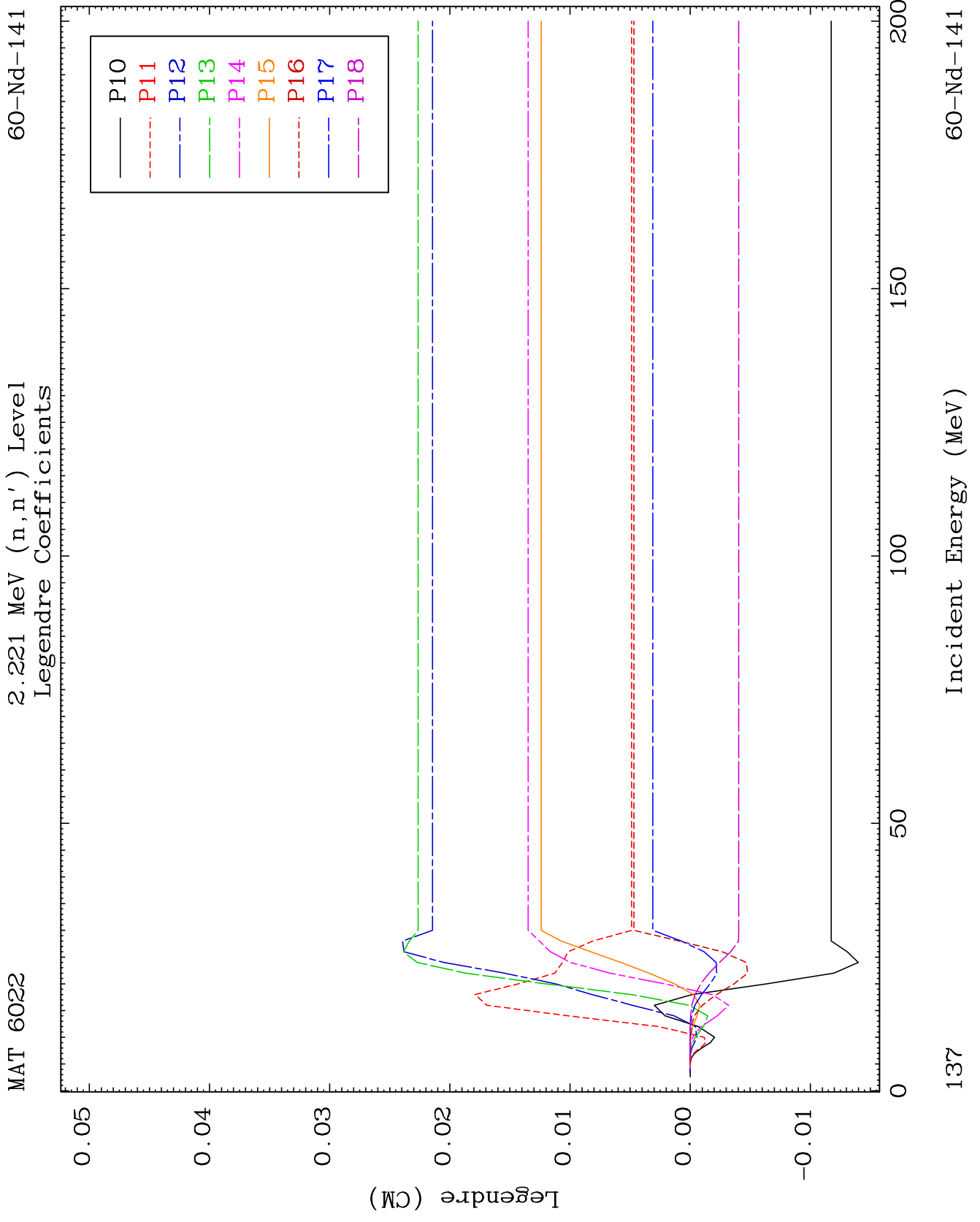
60-Nd-141

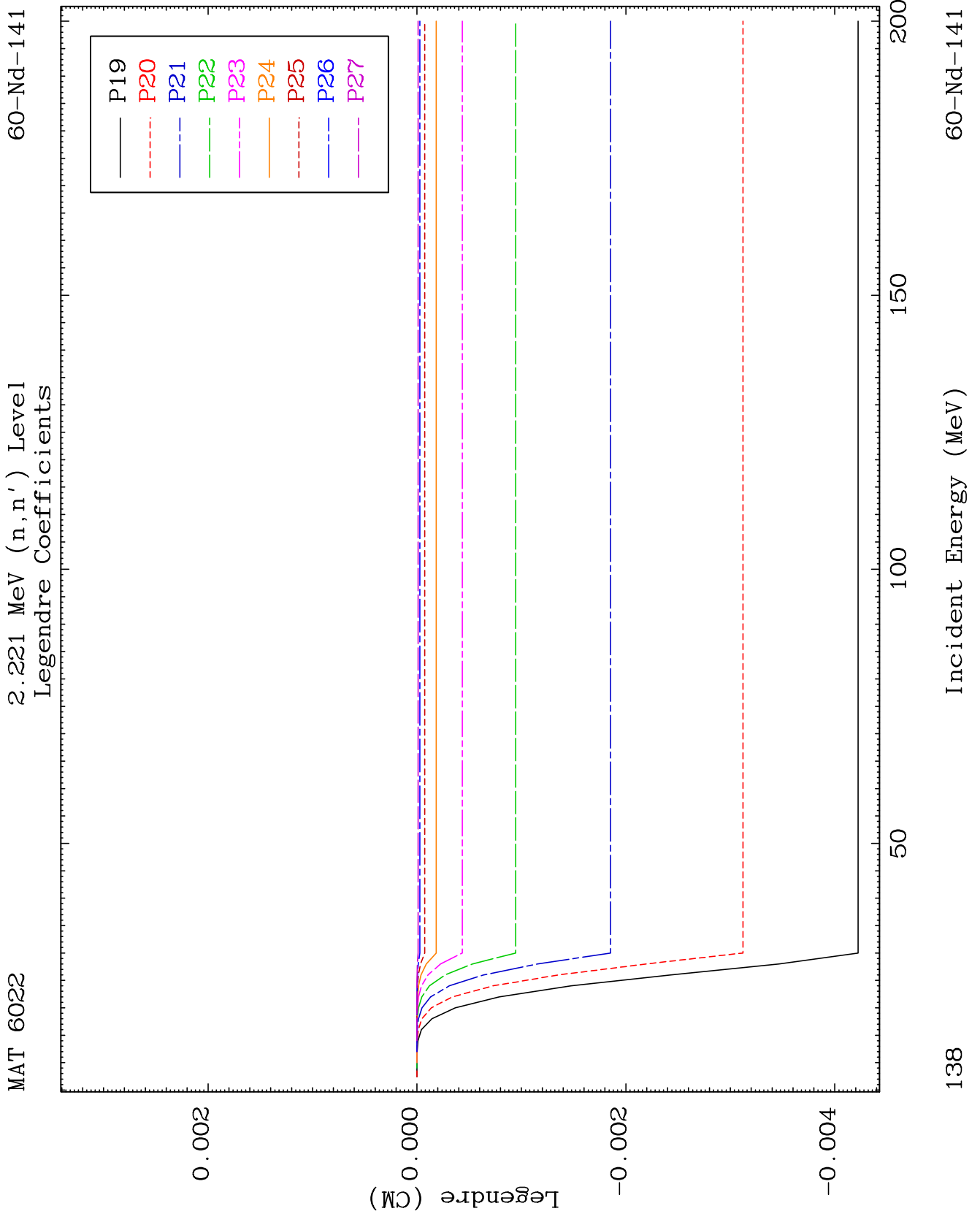
60-Nd-141

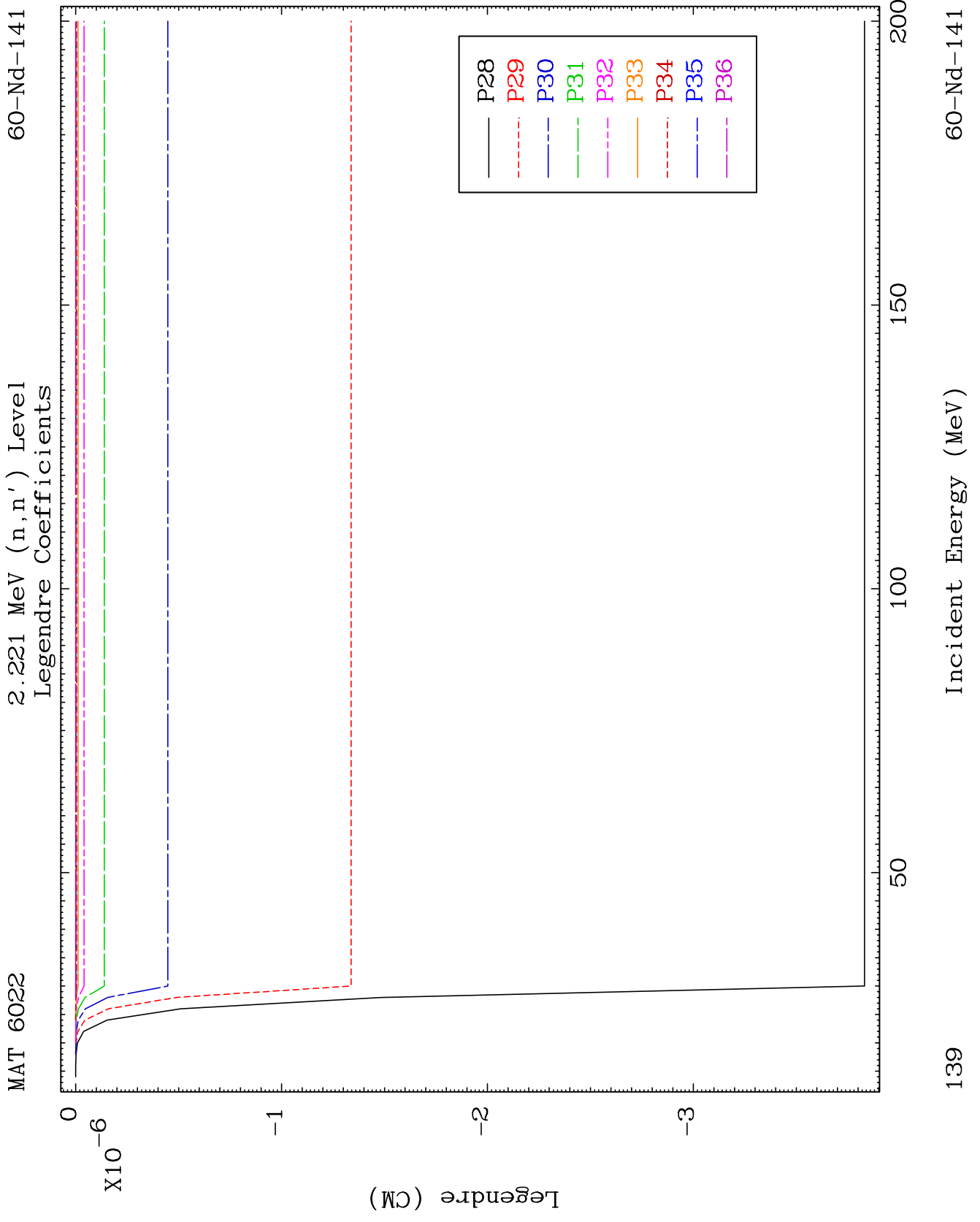
Incident Energy (MeV)

135





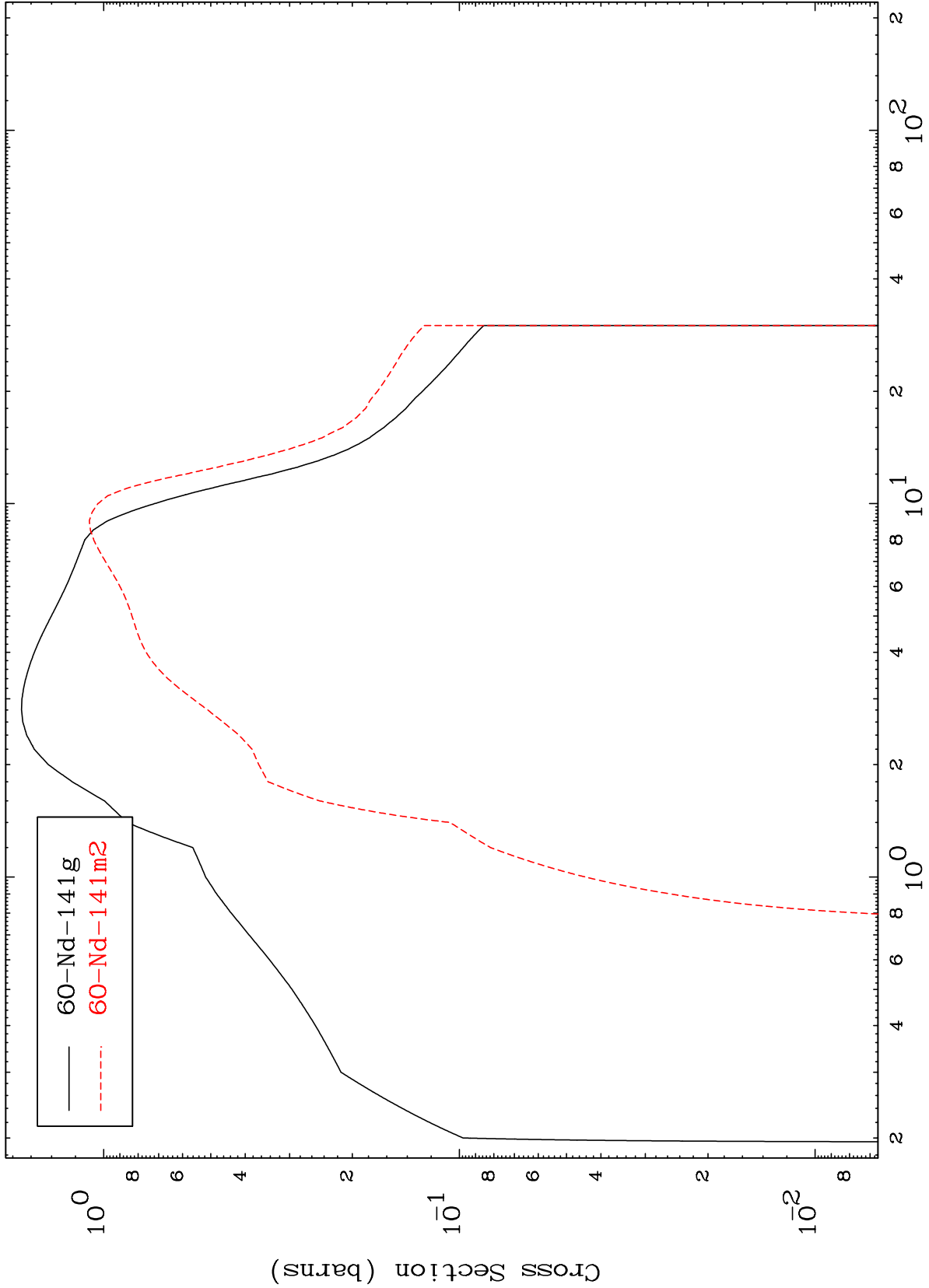




MAT 6022

60-Nd-141

Inelastic
Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2

60-Nd-141

Incident Energy (MeV)

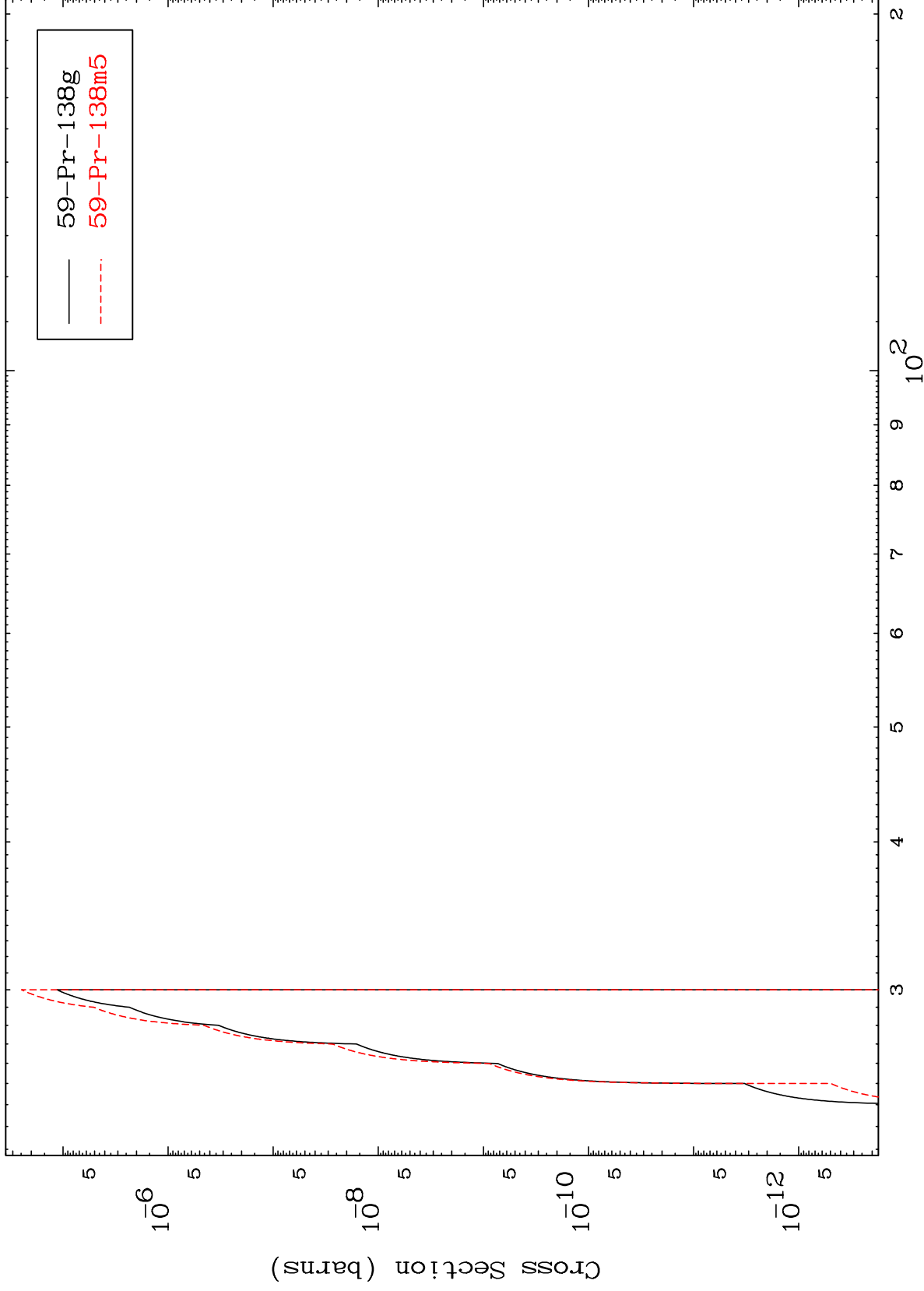
140

MAT 6022

(n,2n) d

60-Nd-141

Radionuclide Production Cross Section



141

Incident Energy (MeV)

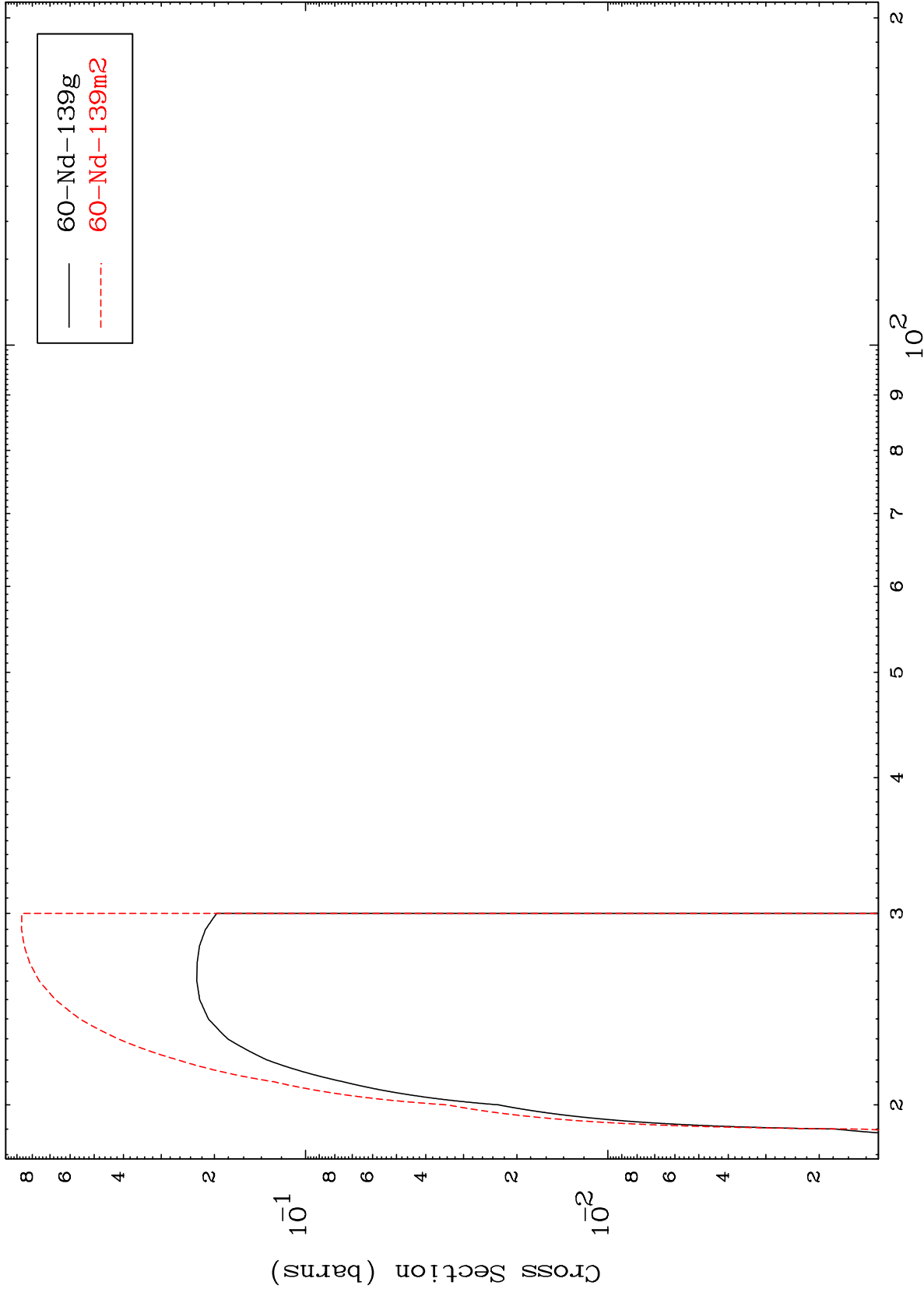
60-Nd-141

MAT 6022

(n,3n)

60-Nd-141

Radionuclide Production Cross Section



142

Incident Energy (MeV)

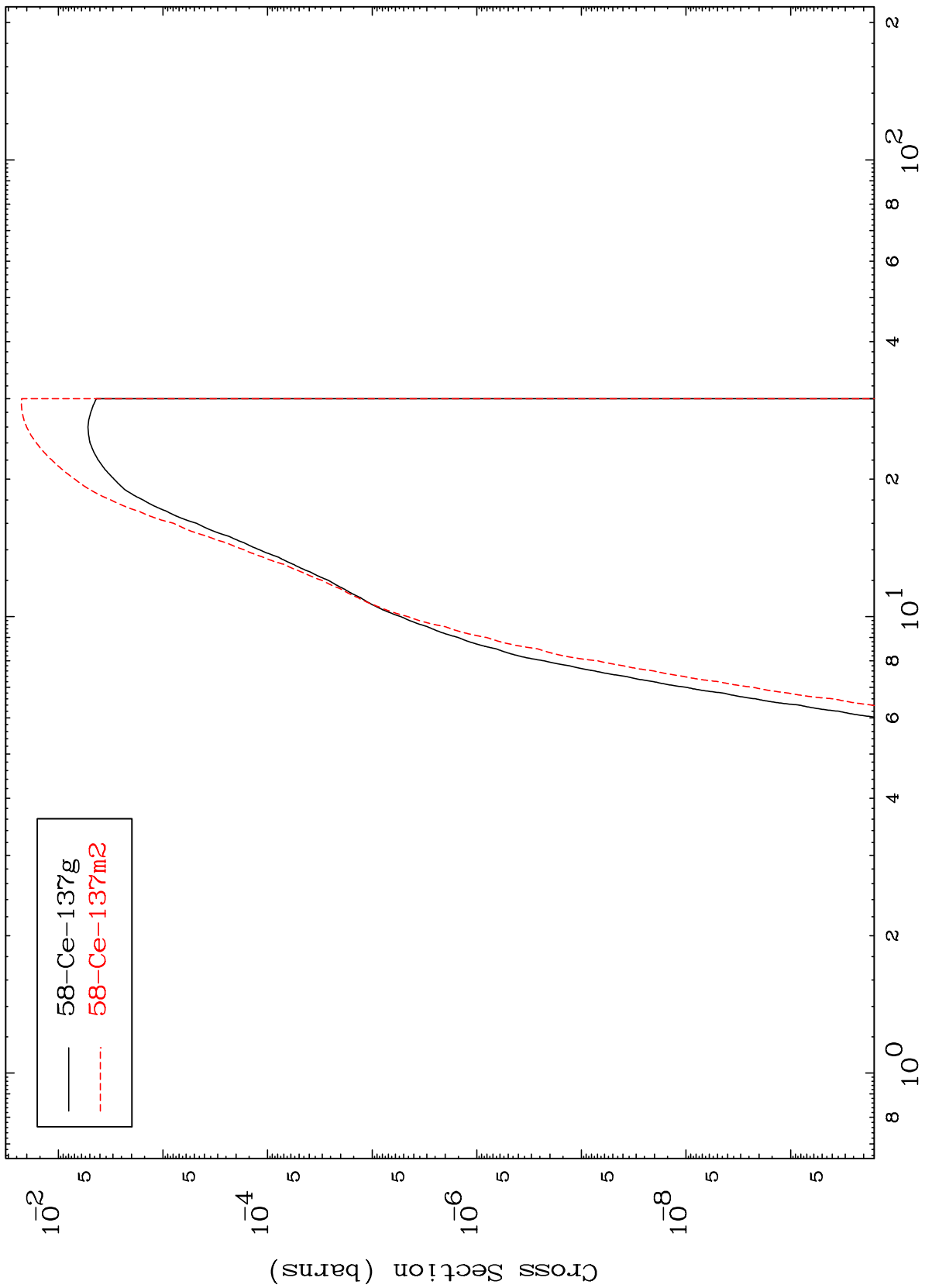
60-Nd-141

MAT 6022

(n,n') α

60-Nd-141

Radionuclide Production Cross Section



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

143

Incident Energy (MeV)

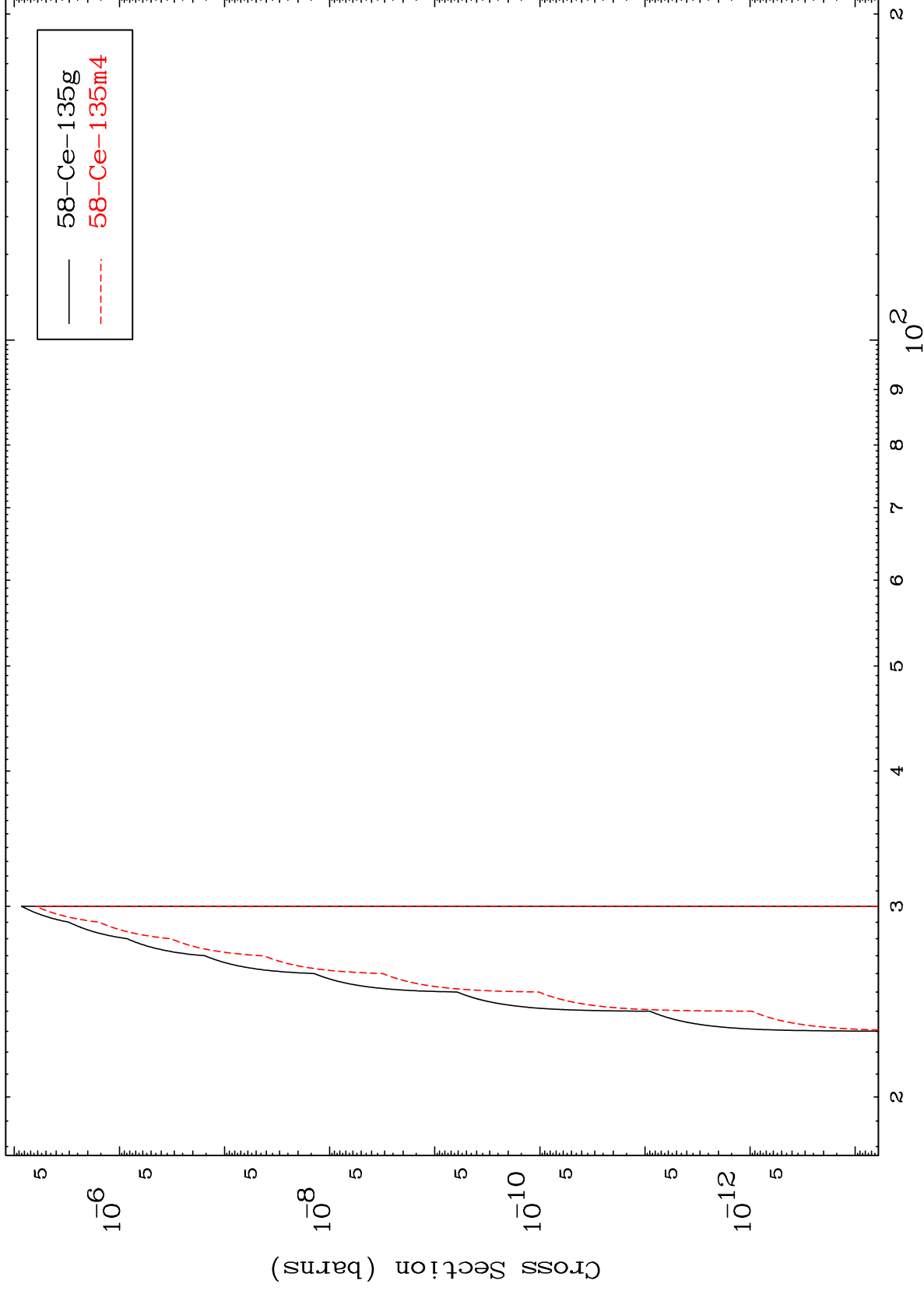
60-Nd-141

MAT 6022

$(n,3n) \alpha$

60-Nd-141

Radionuclide Production Cross Section



144

Incident Energy (MeV)

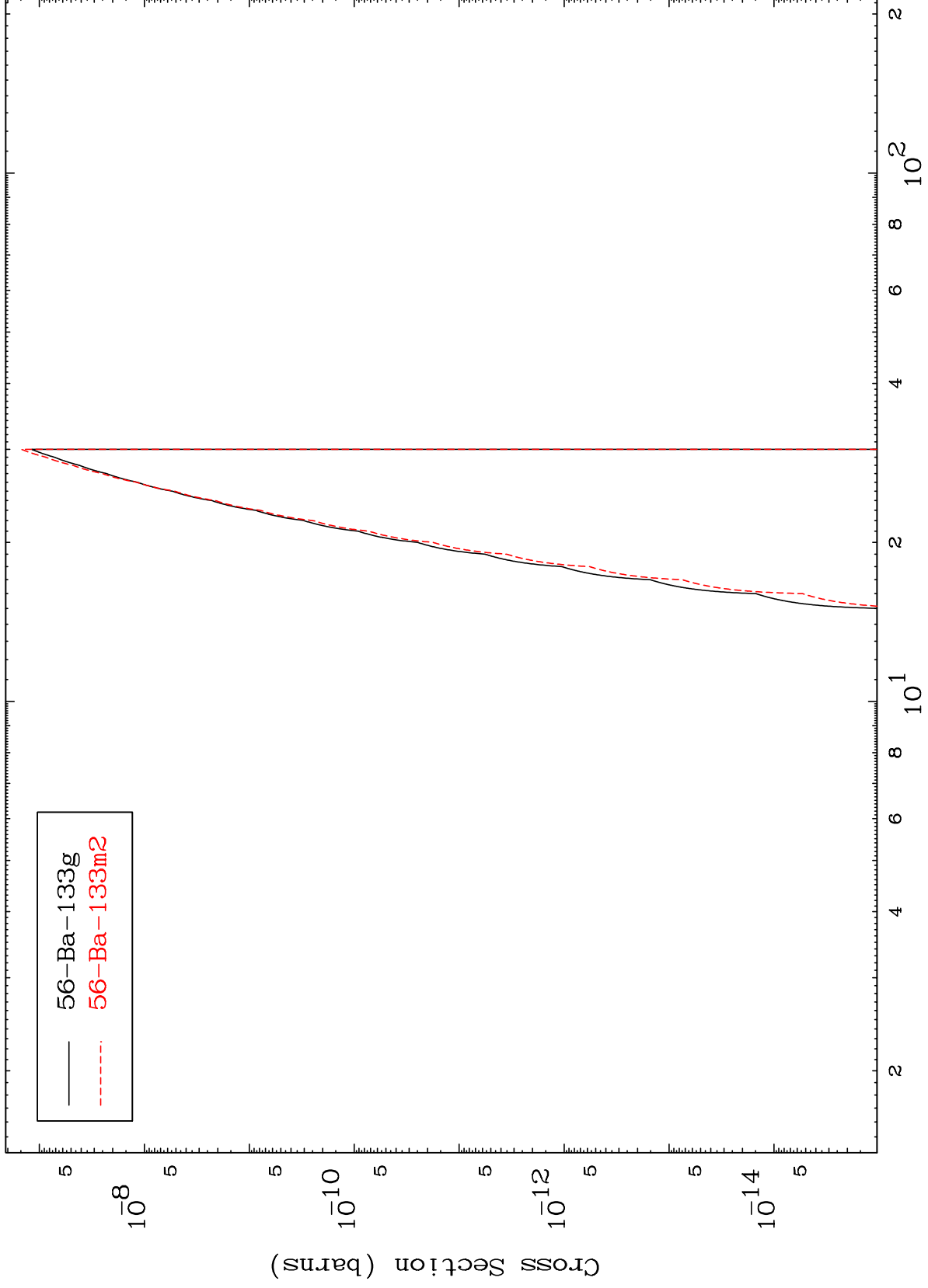
60-Nd-141

MAT 6022

(n,n') 2 α

60-Nd-141

Radionuclide Production Cross Section

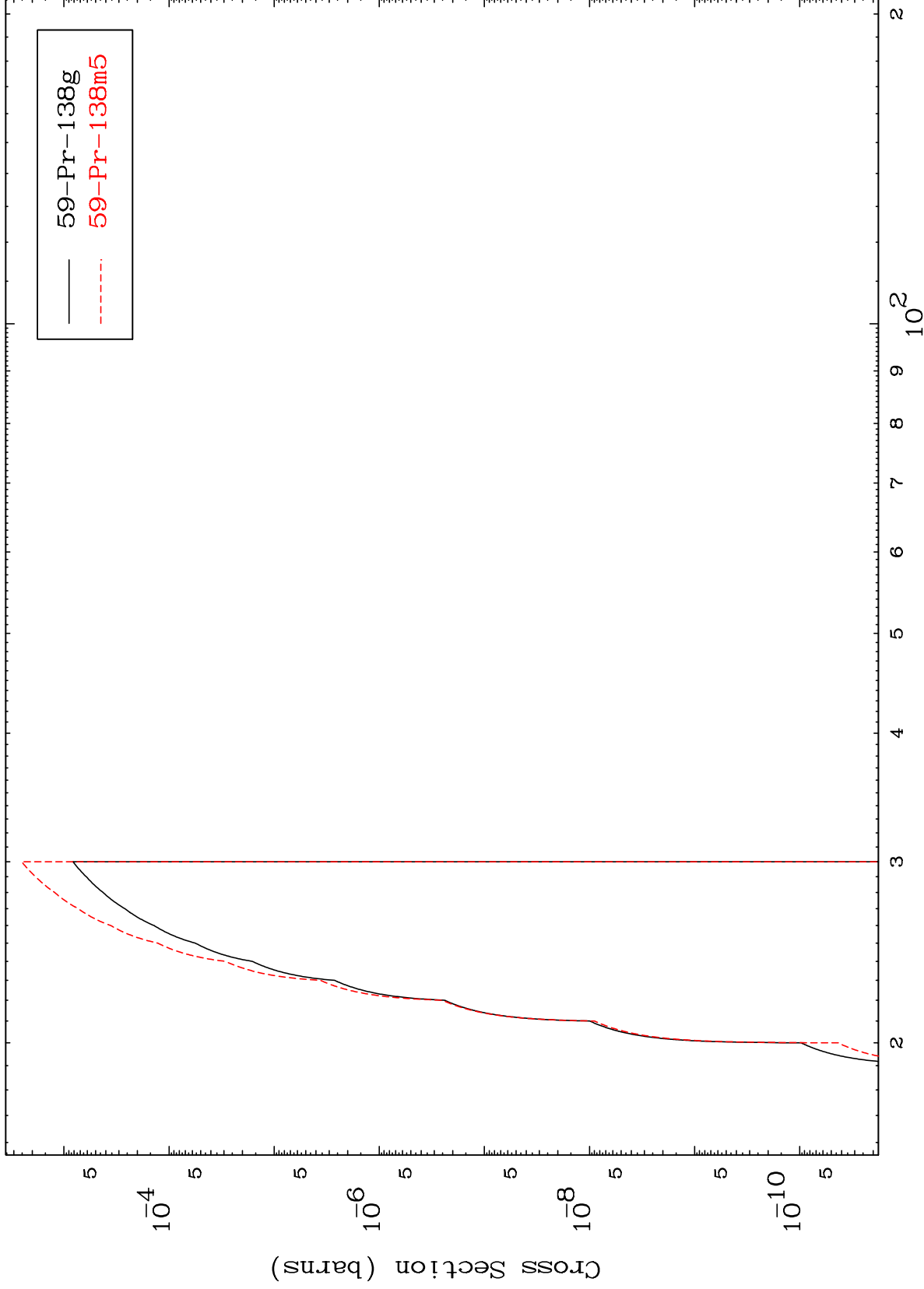


145

Incident Energy (MeV)

60-Nd-141

Radionuclide Production Cross Section

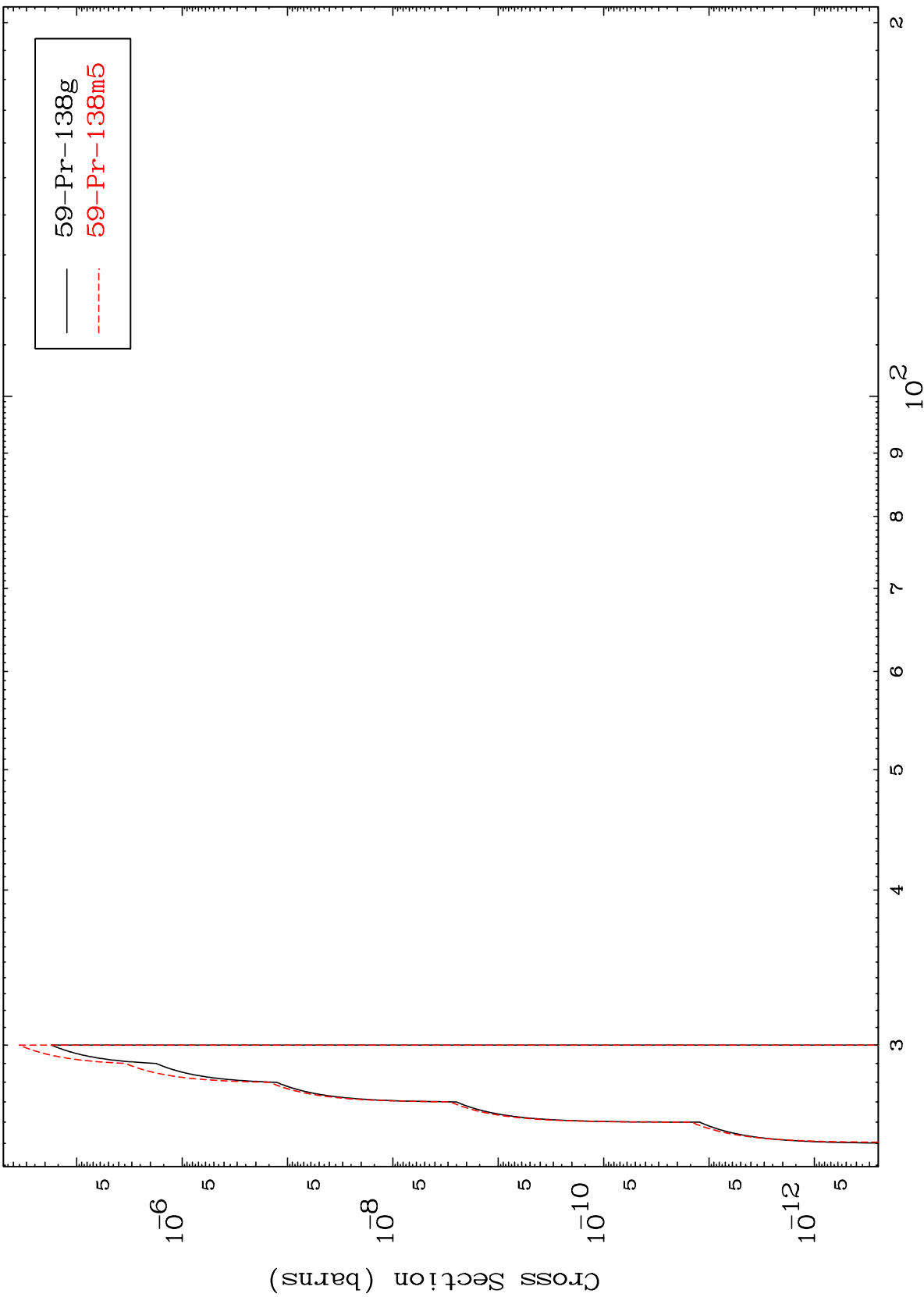


MAT 6022

(n,3n) p

60-Nd-141

Radionuclide Production Cross Section



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

147

Incident Energy (MeV)

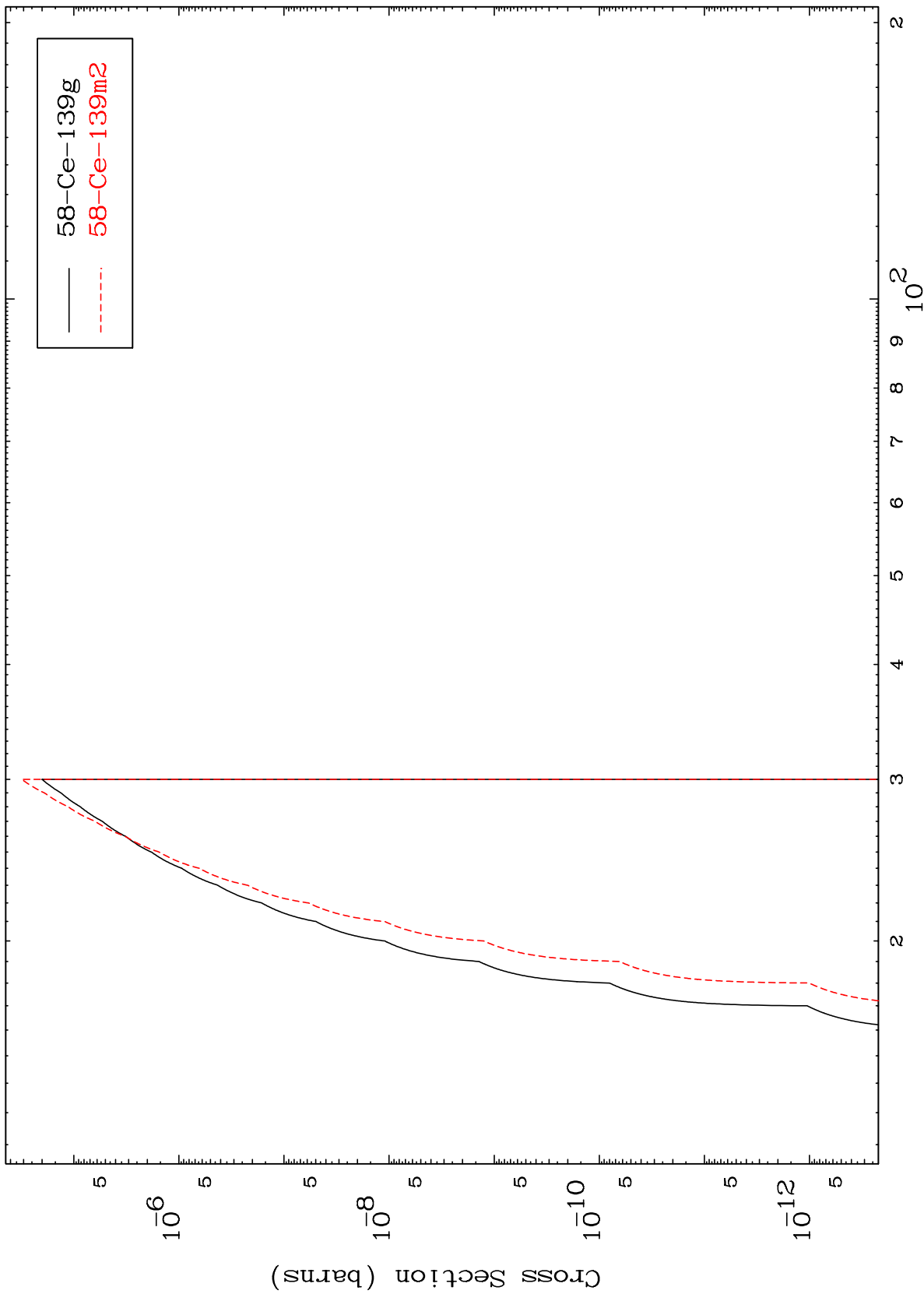
60-Nd-141

MAT 6022

(n,2n) p

60-Nd-141

Radionuclide Production Cross Section



148

Incident Energy (MeV)

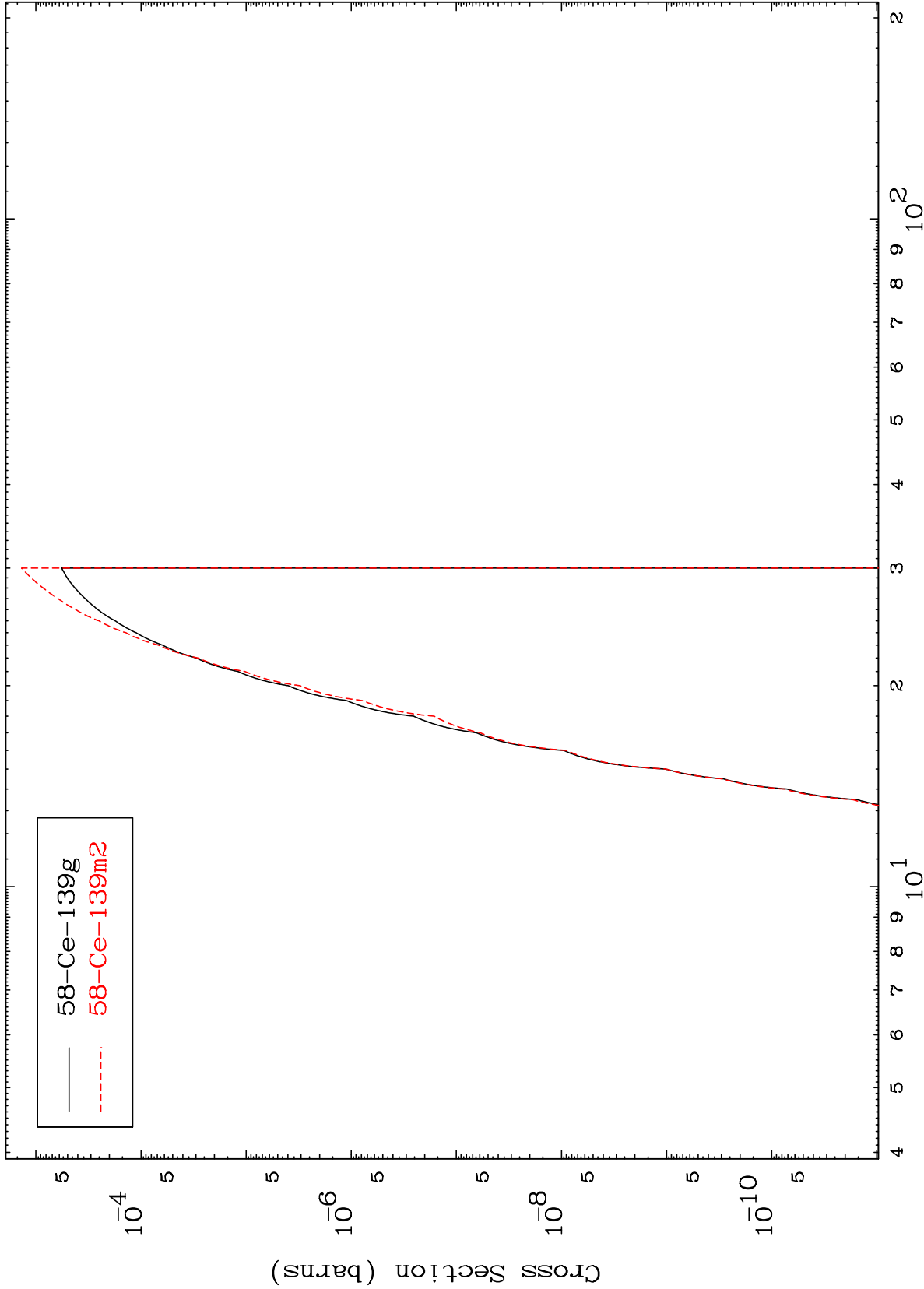
60-Nd-141

MAT 6022

(n,He-3)

60-Nd-141

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

149

Incident Energy (MeV)

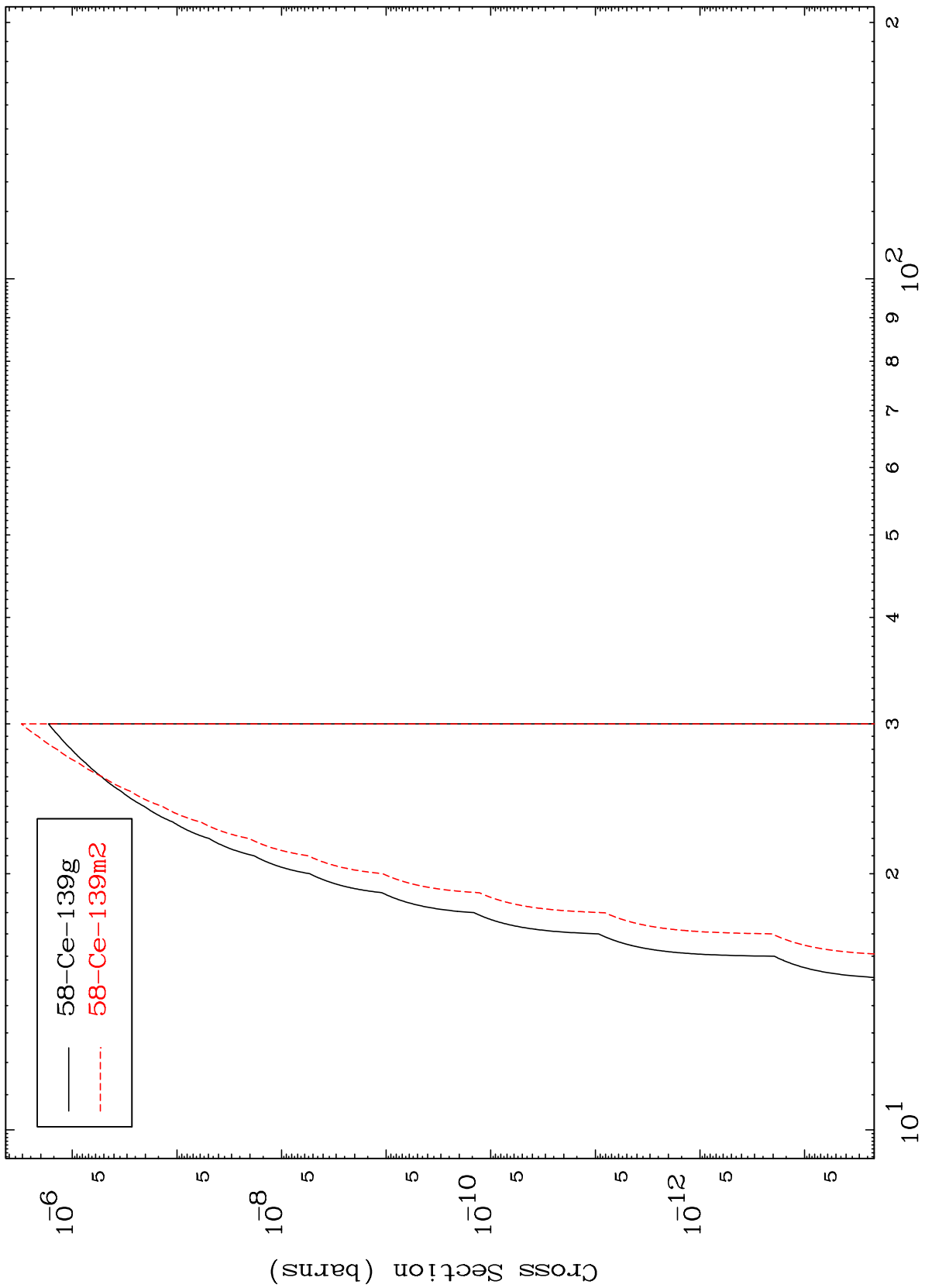
60-Nd-141

MAT 6022

(n,p) d

60-Nd-141

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

Incident Energy (MeV)

60-Nd-141