

Program EVALPLOT
(Version 2015-2)

by

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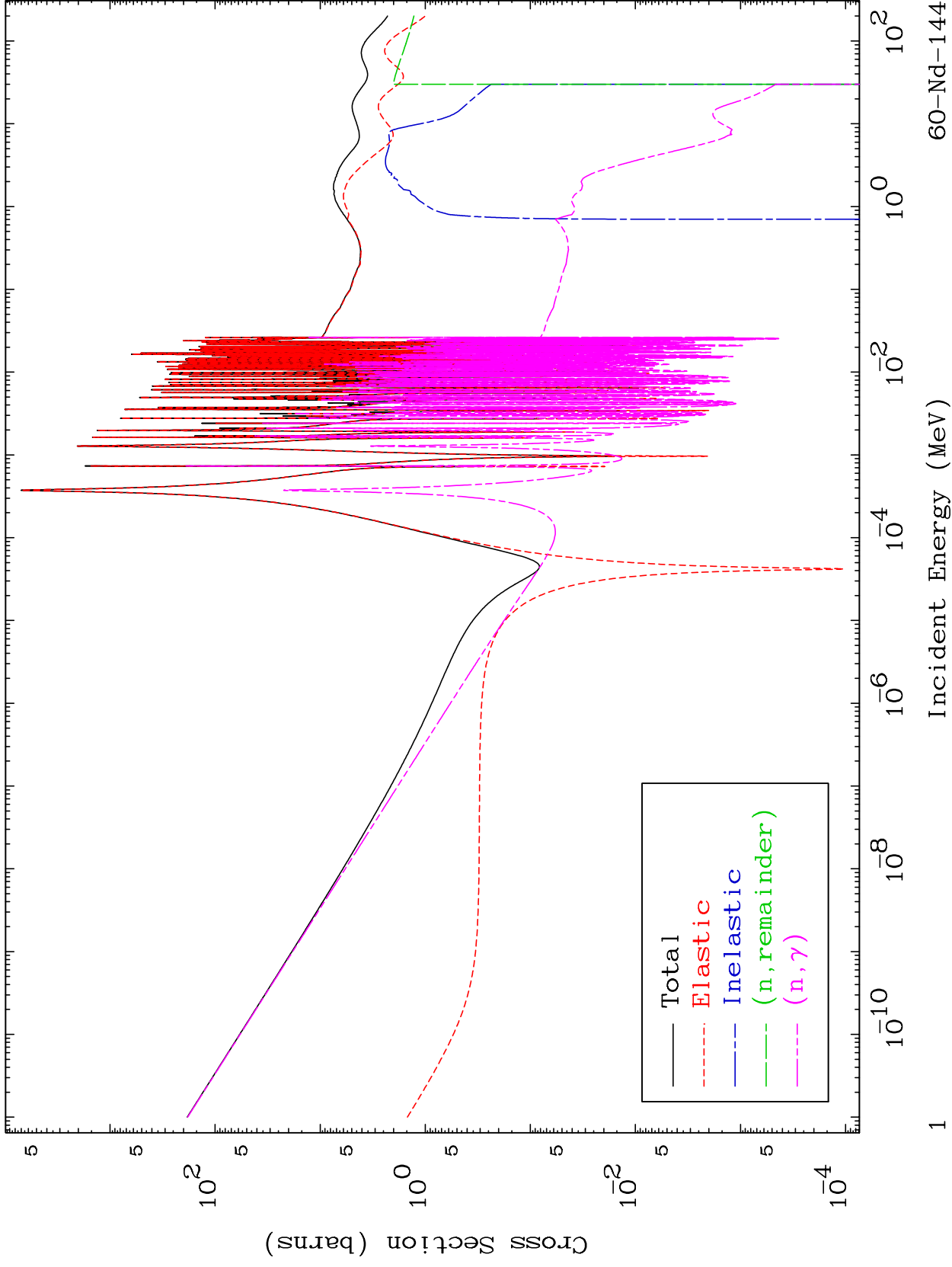
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6031

Major
293 Kelvin Cross Sections

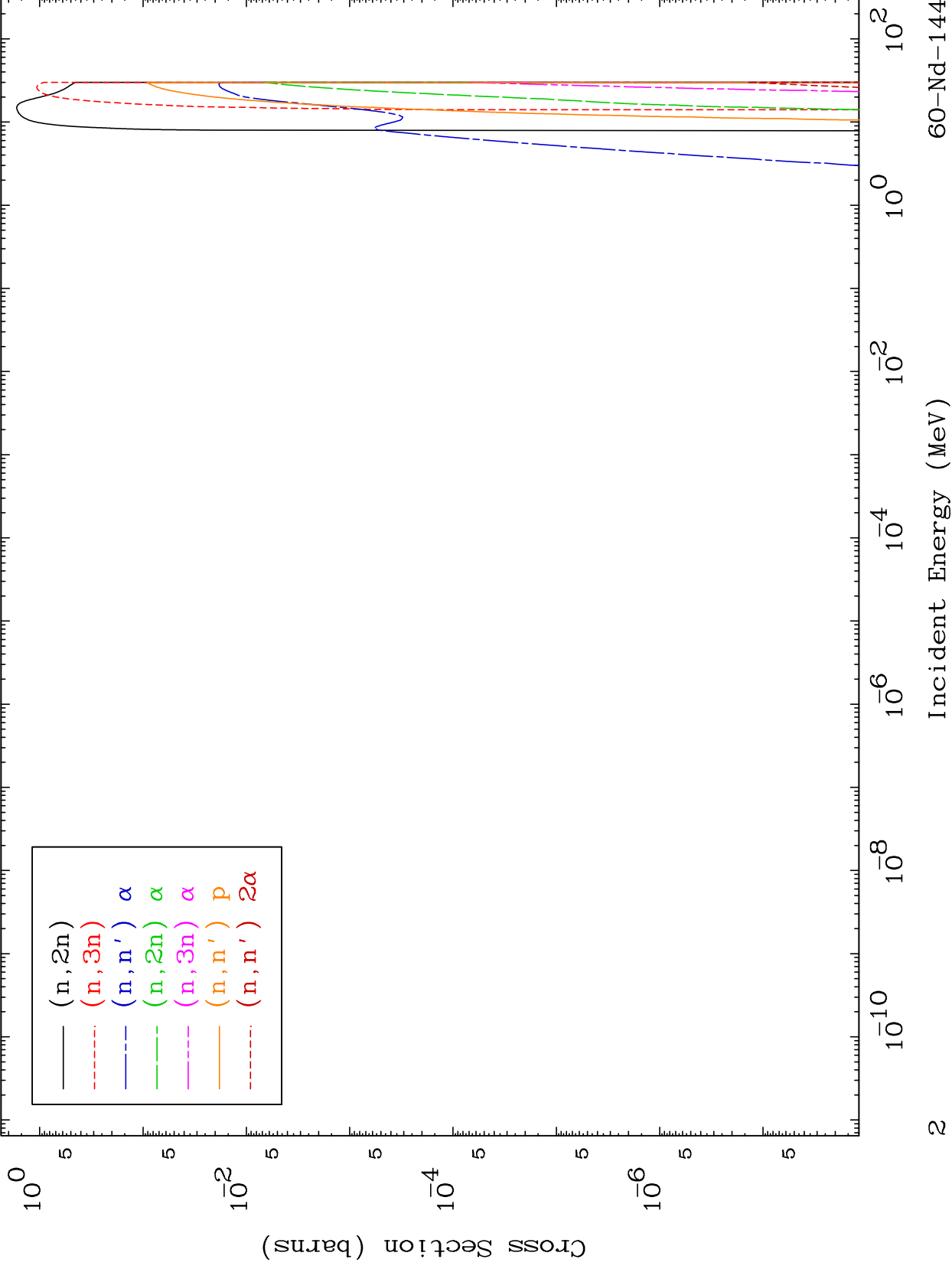
60-Nd-144

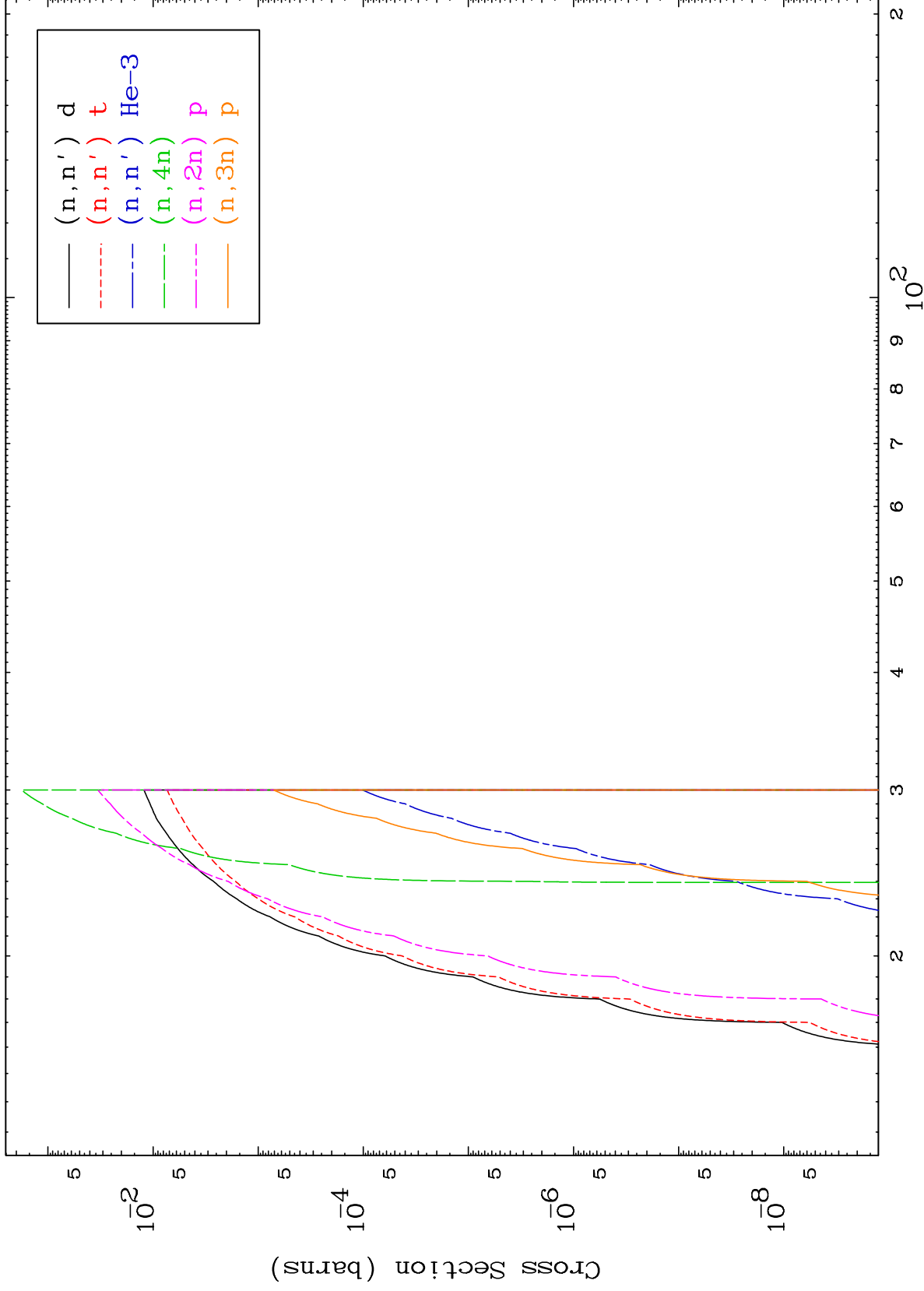


MAT 6031

Neutron Production
293 Kelvin Cross Sections

60-Nd-144

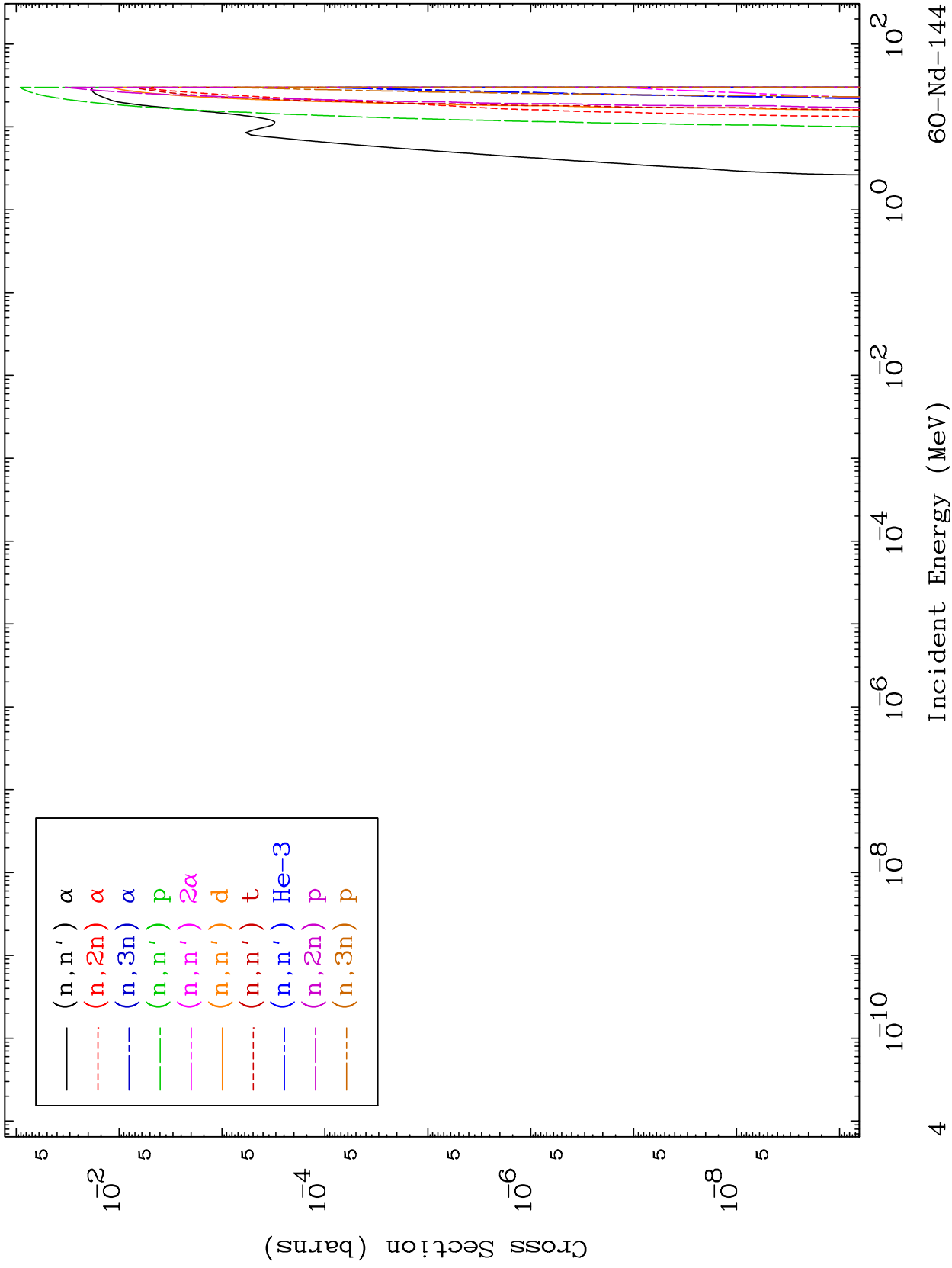




MAT 6031

Charged Particle
293 Kelvin Cross Sections

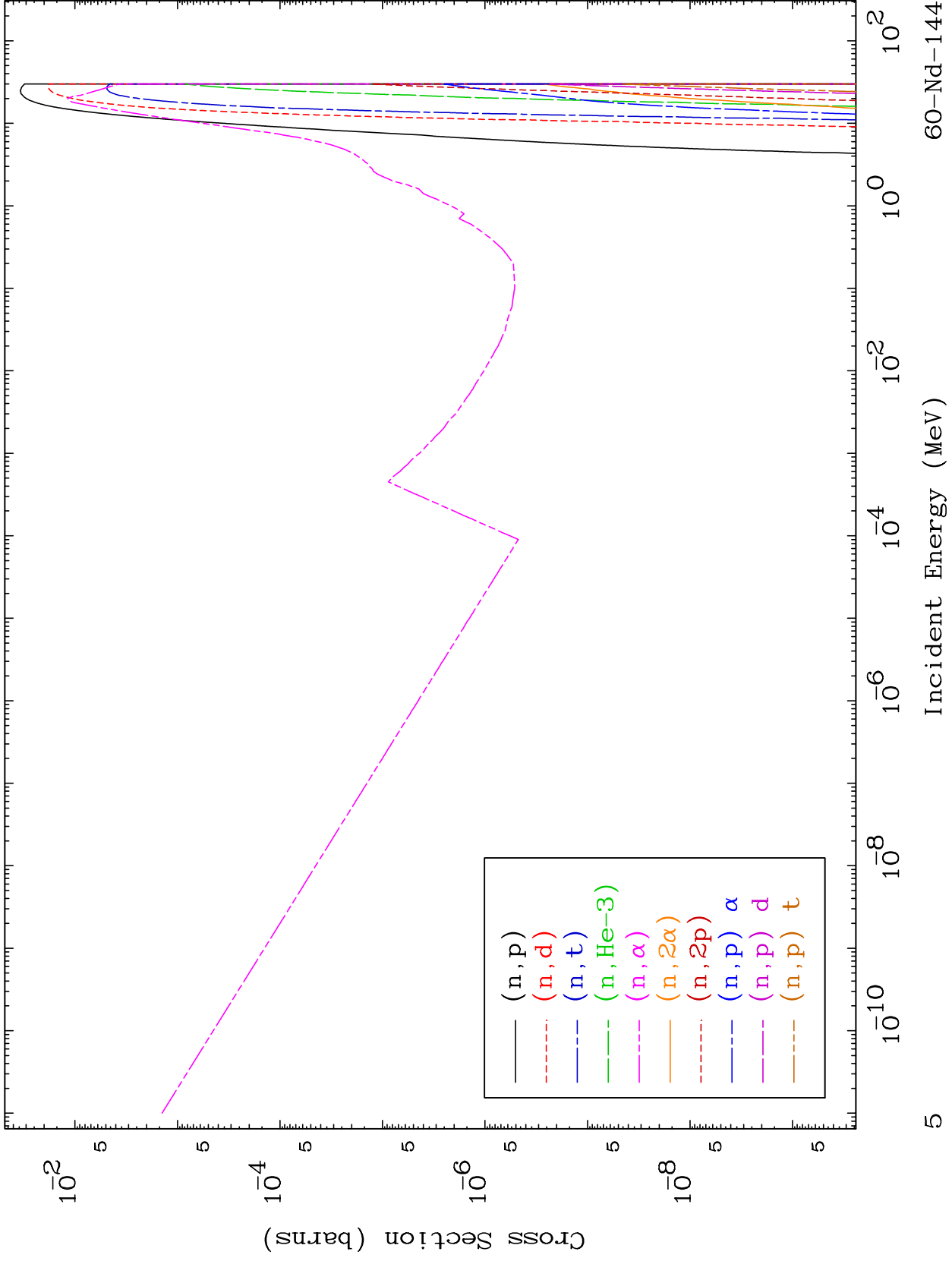
60-Nd-144



MAT 6031

Charged Particle
293 Kelvin Cross Sections

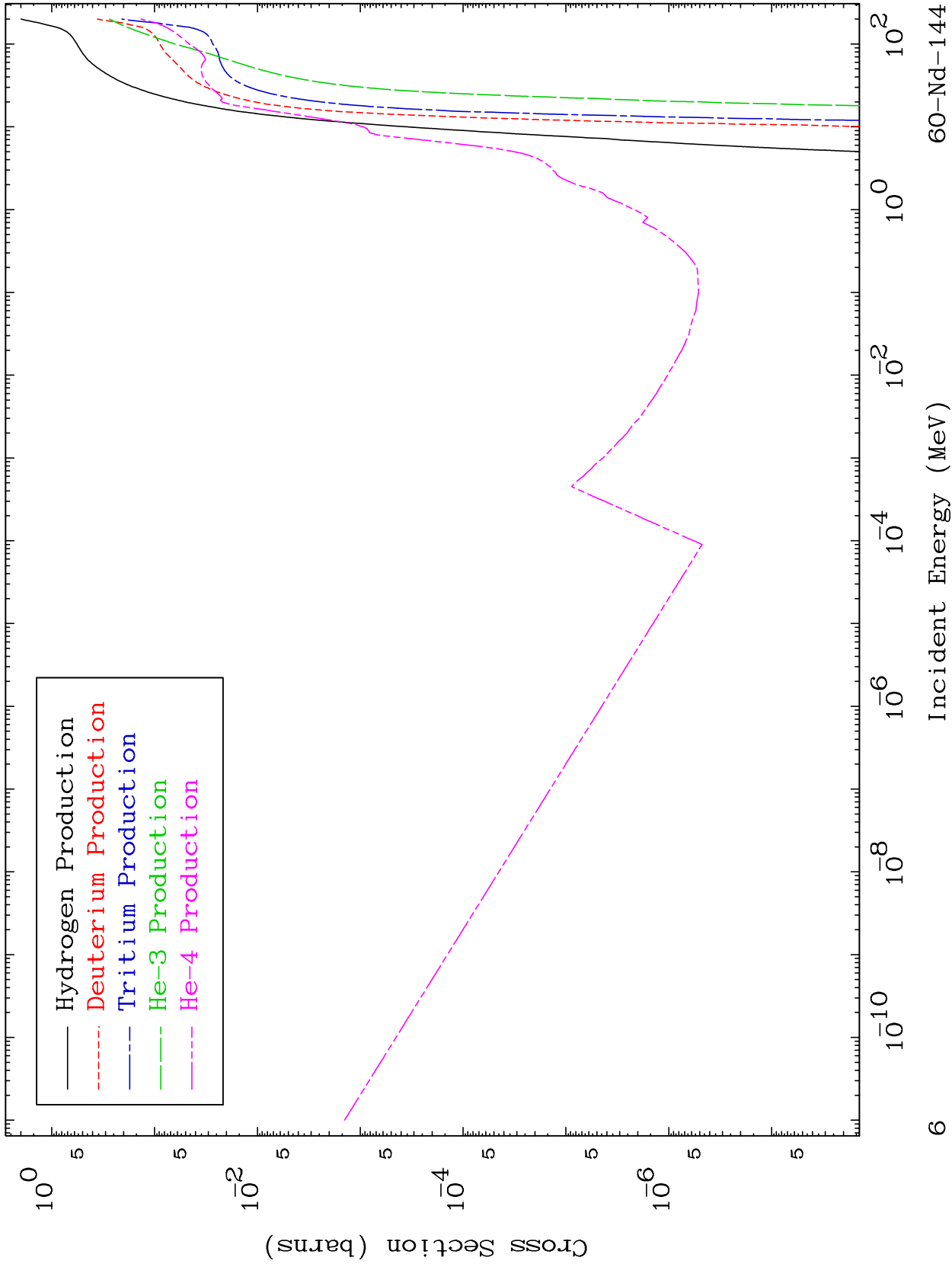
60-Nd-144



MAT 6031

Particle Production
293 Kelvin Cross Sections

60-Nd-144

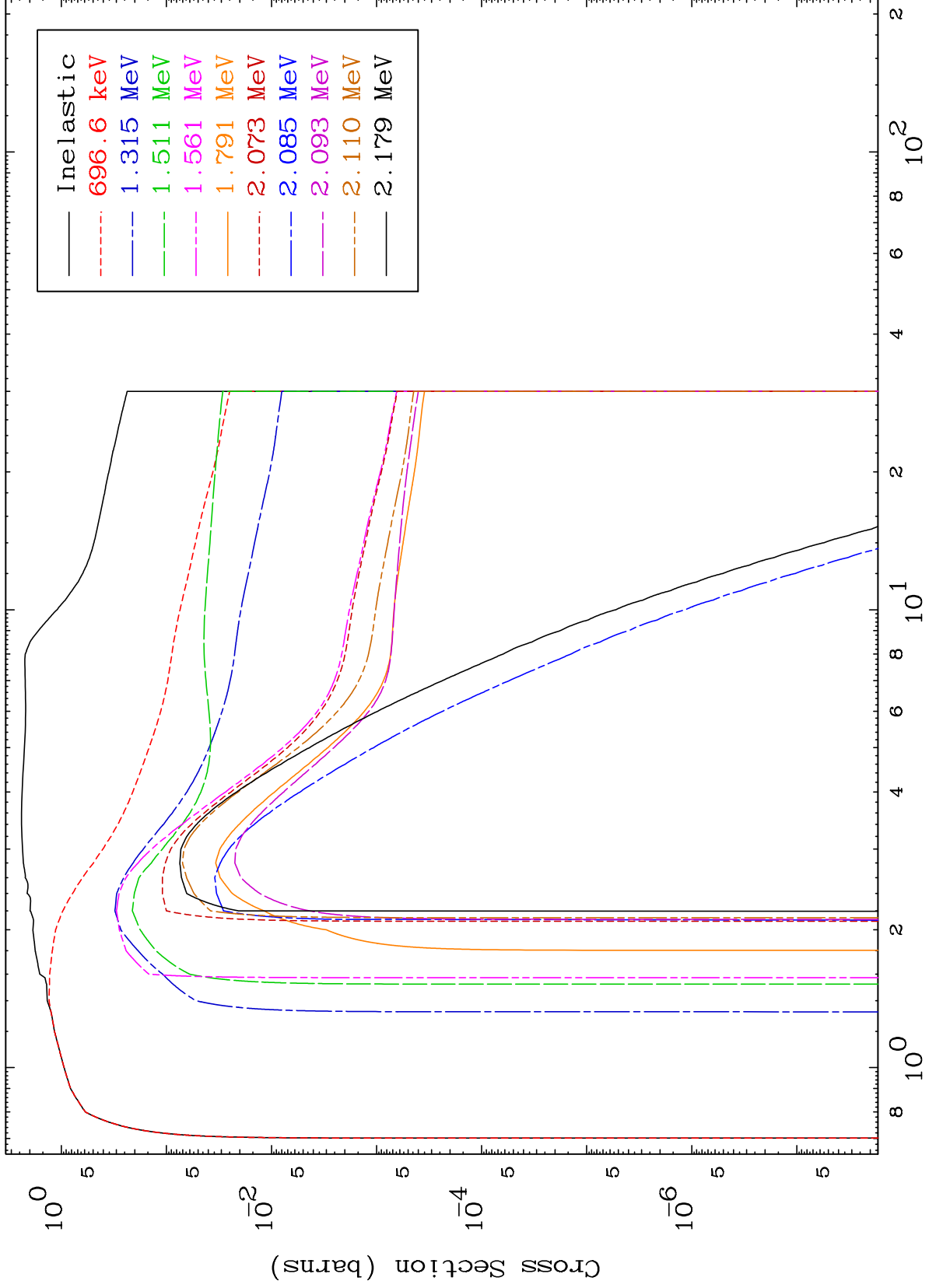


MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



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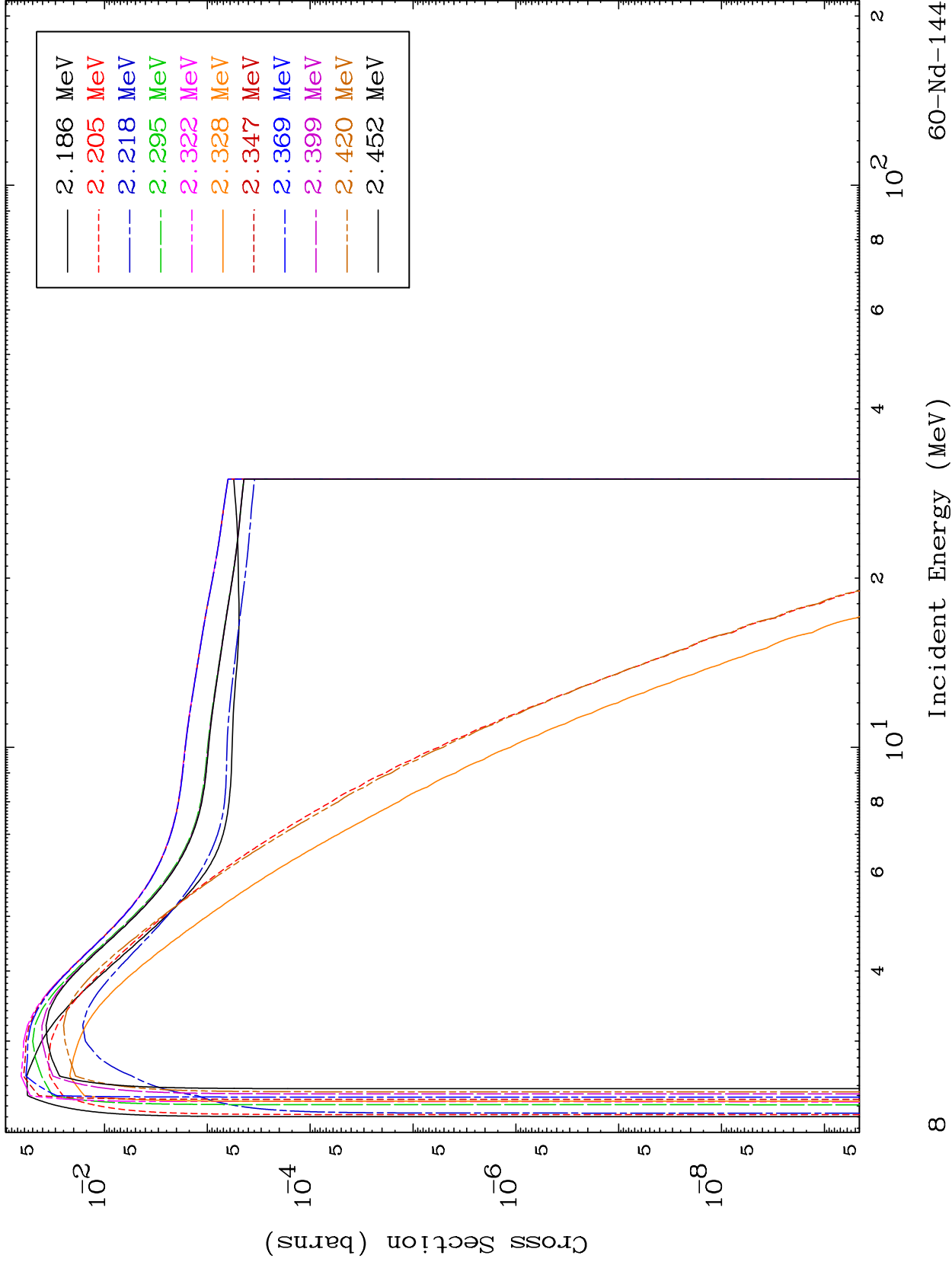
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,n') Level
293 Kelvin Cross Sections

60-Nd-144



60-Nd-144

Incident Energy (MeV)

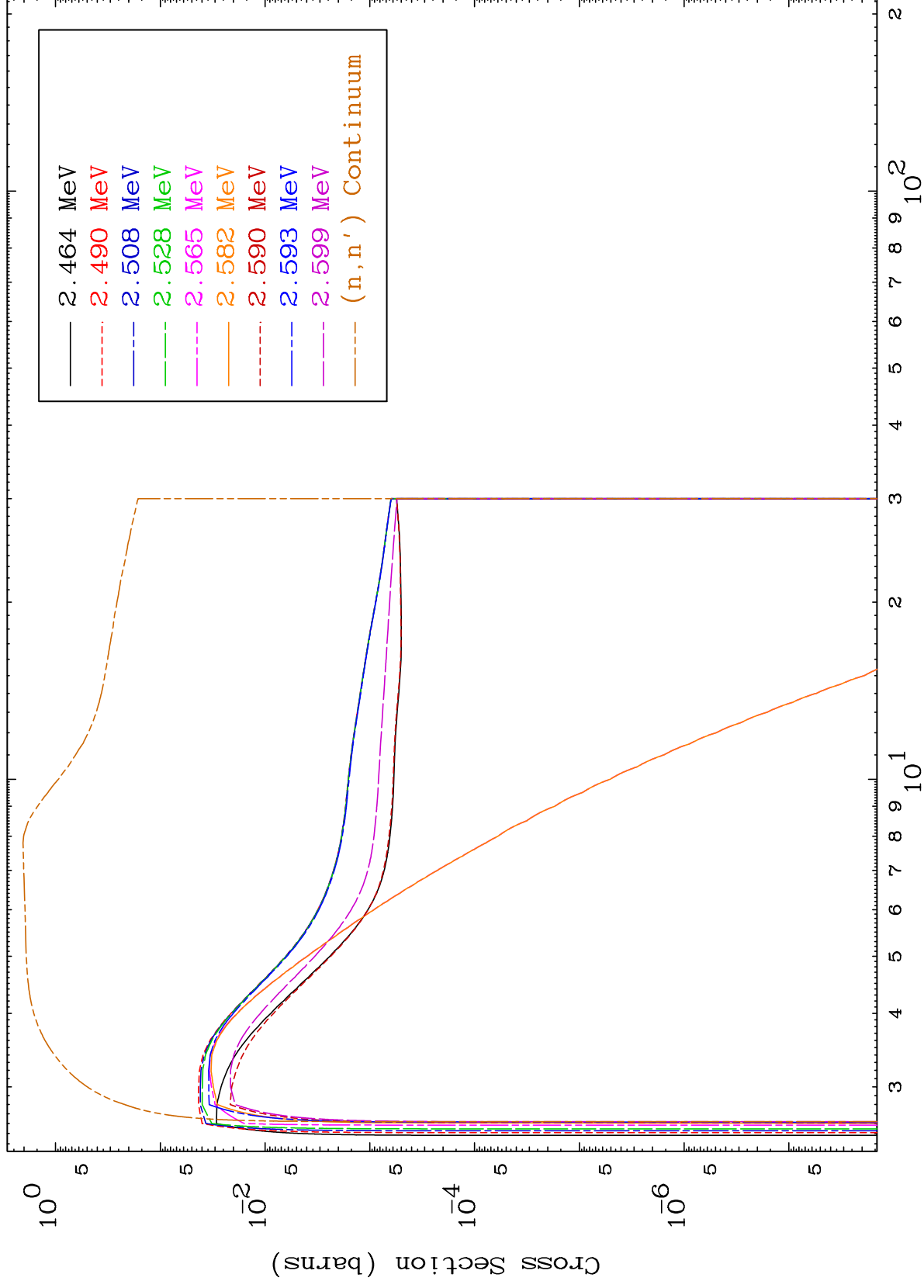
8

MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



9

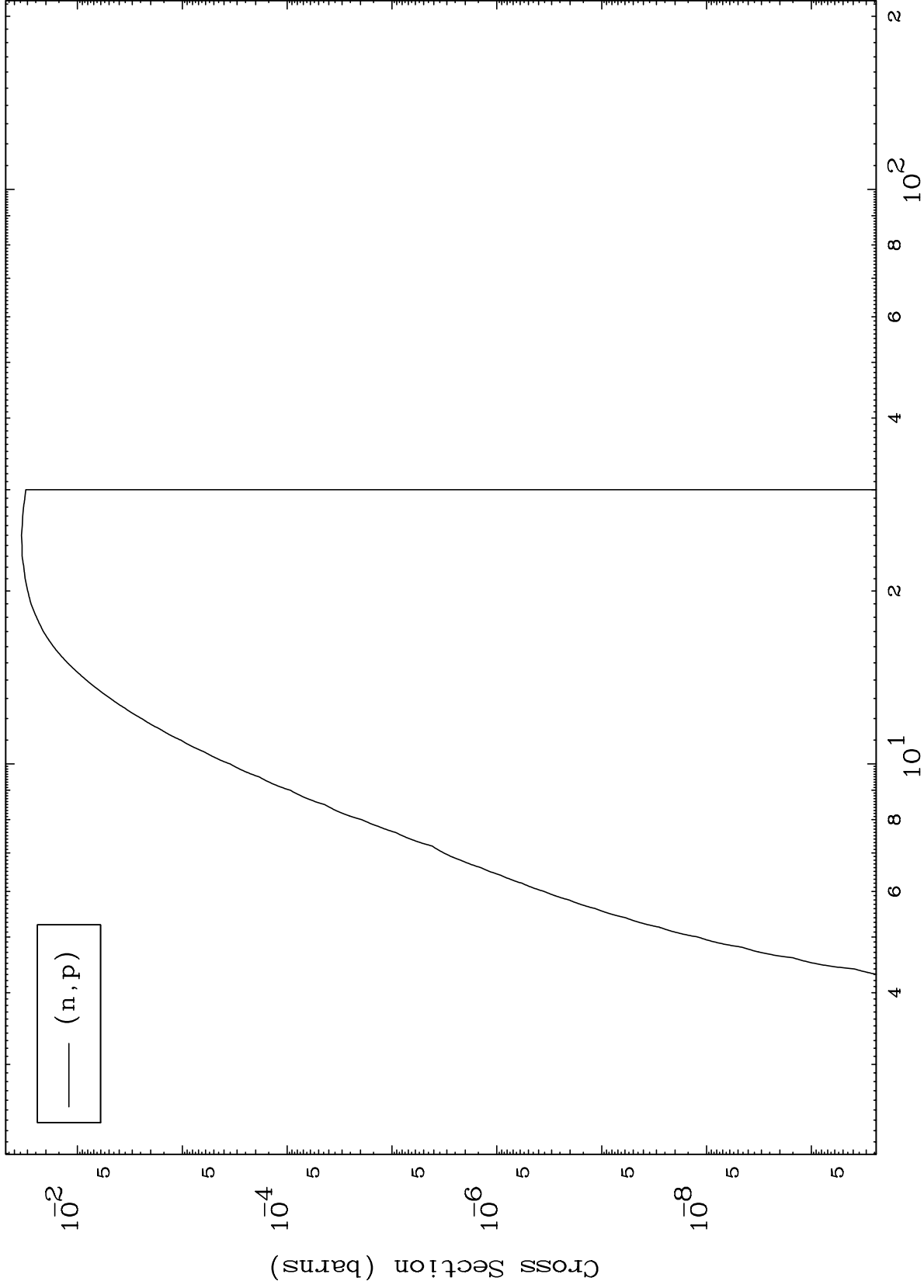
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-144



10

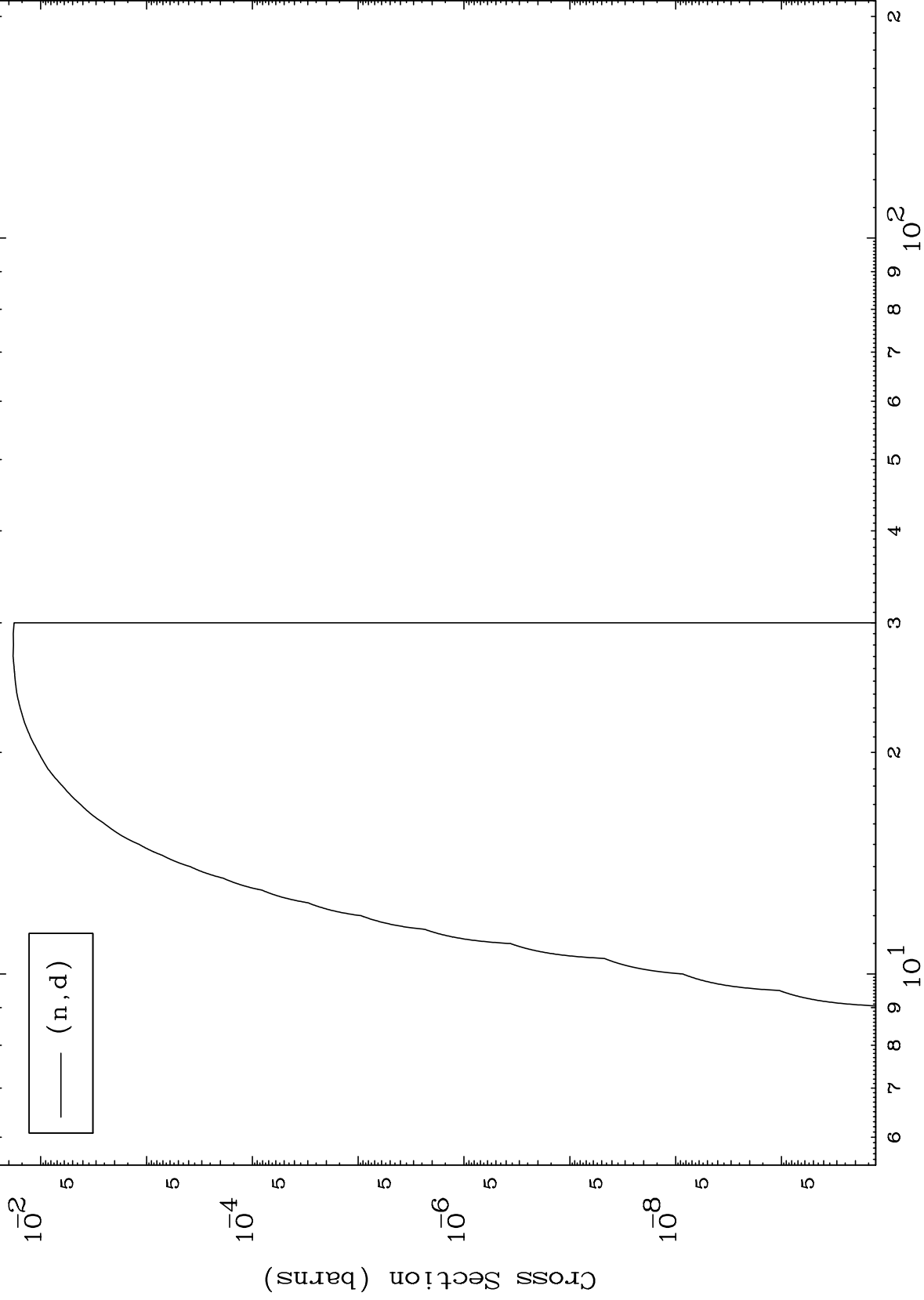
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-144



11

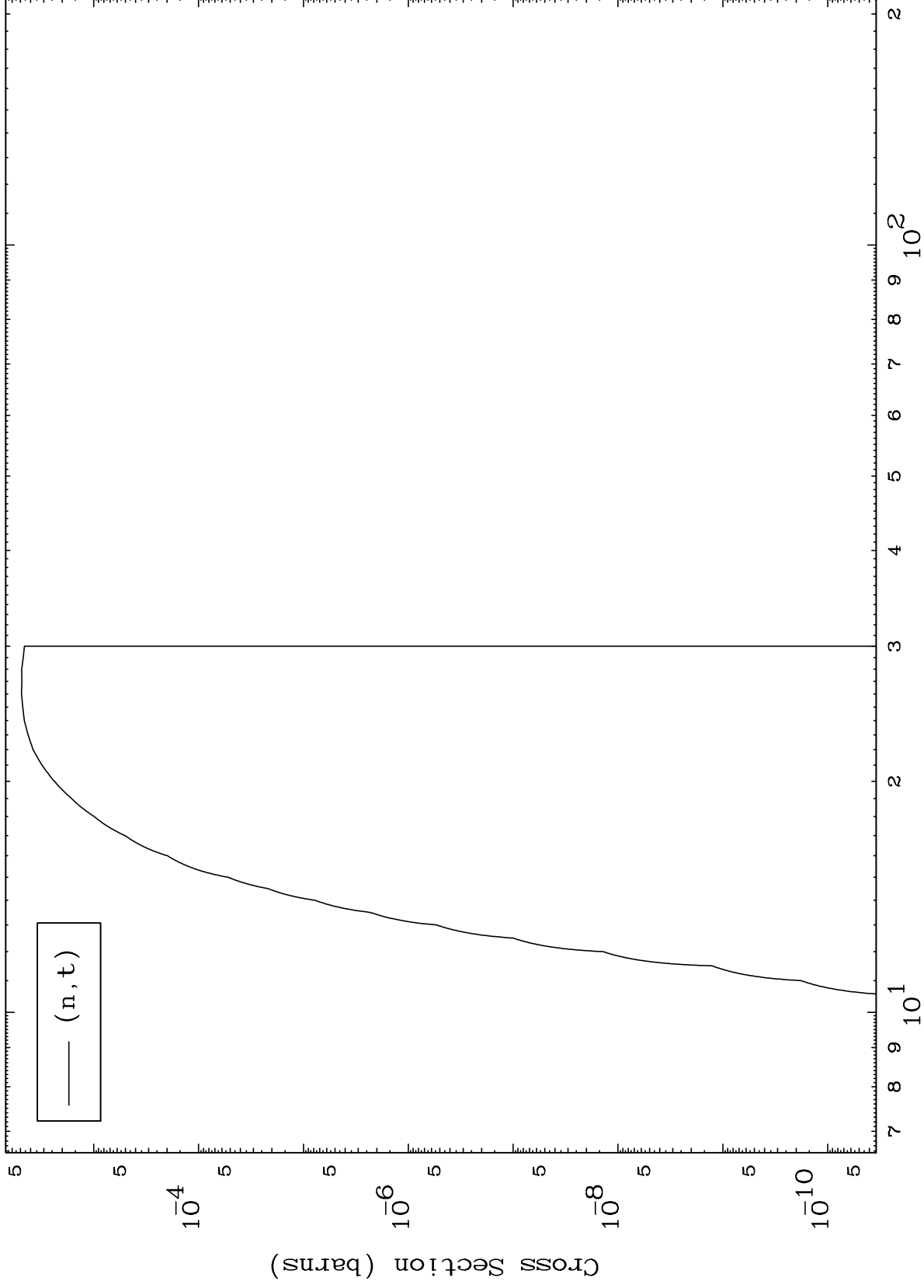
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-144



12

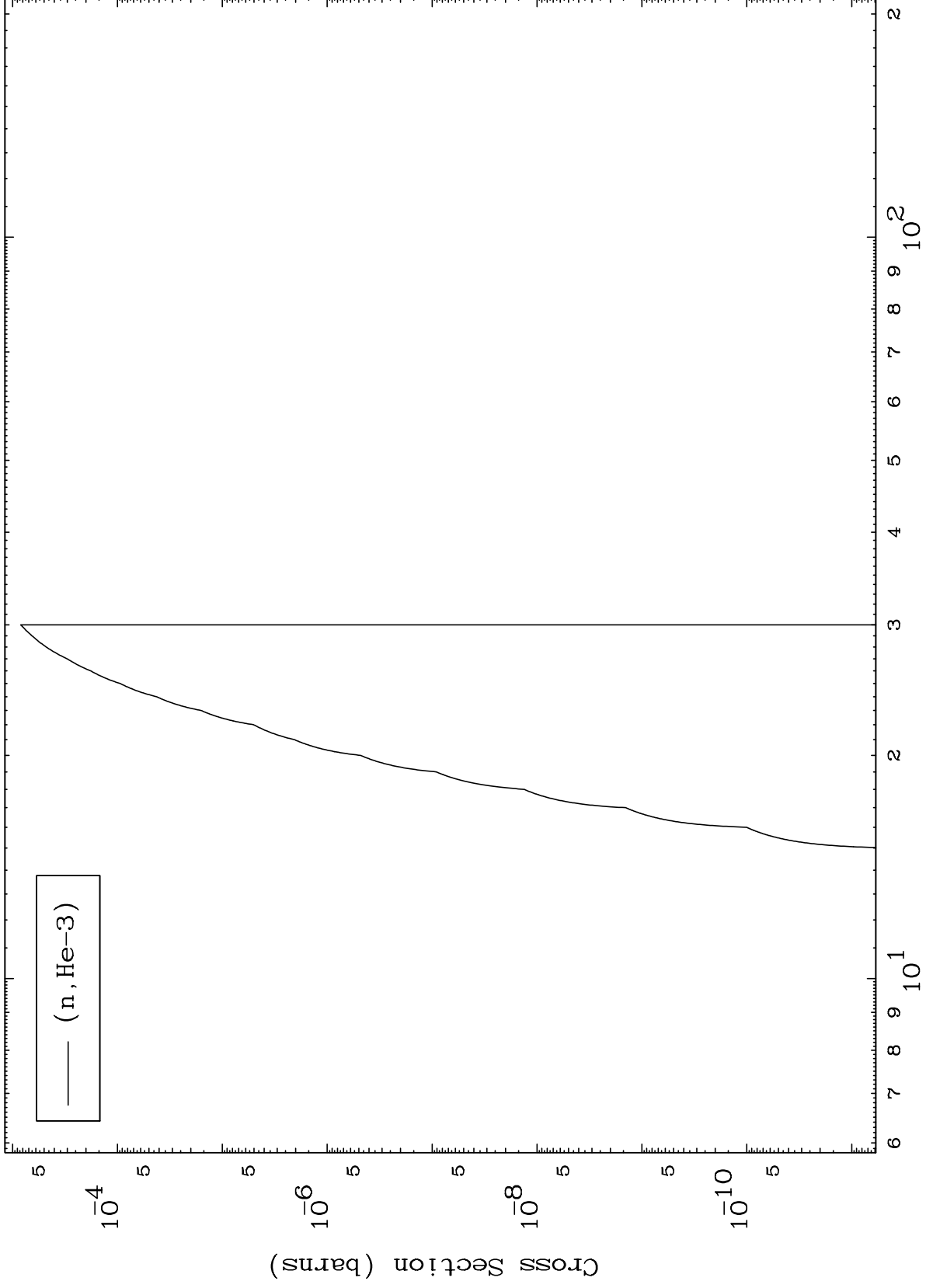
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-144



13

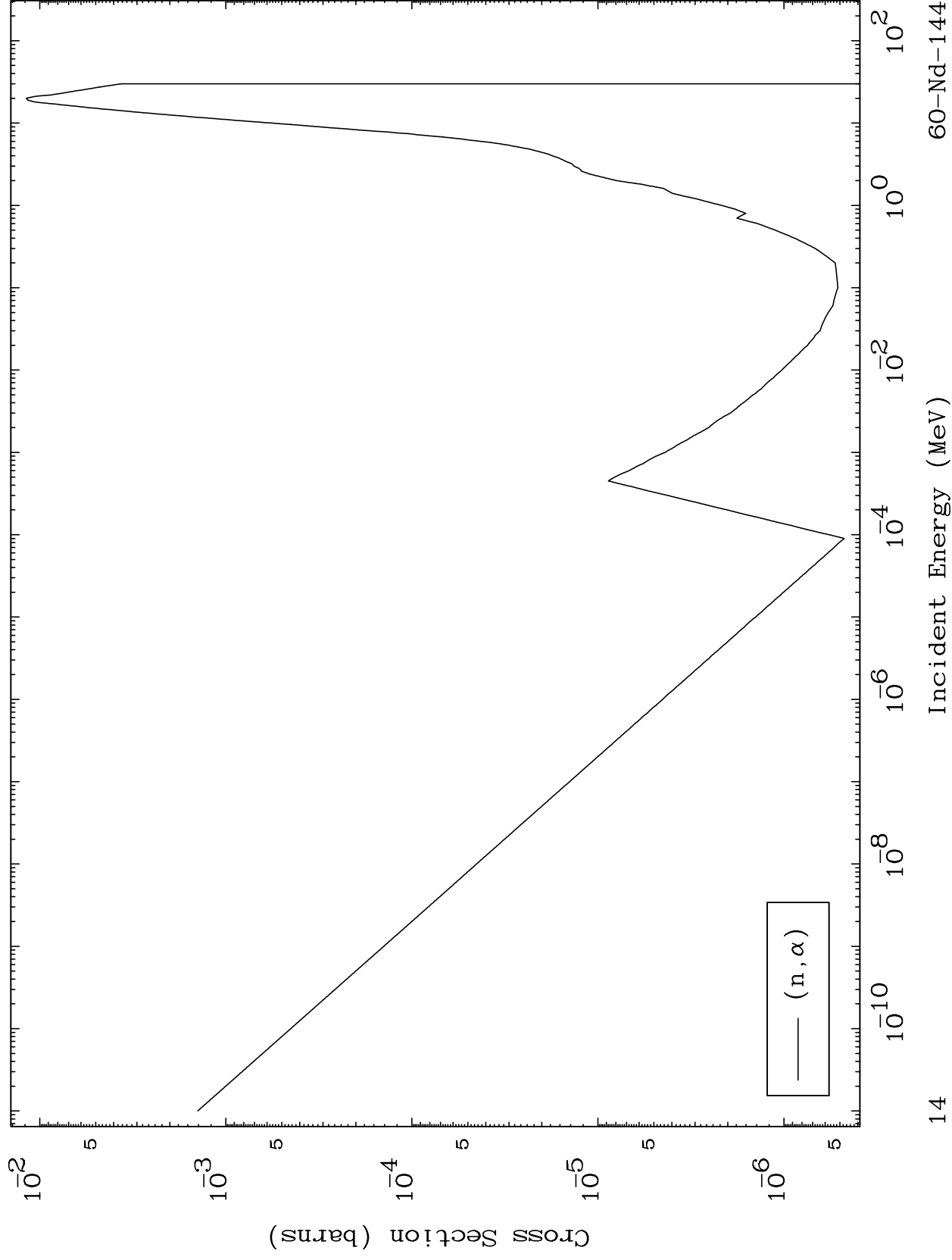
Incident Energy (MeV)

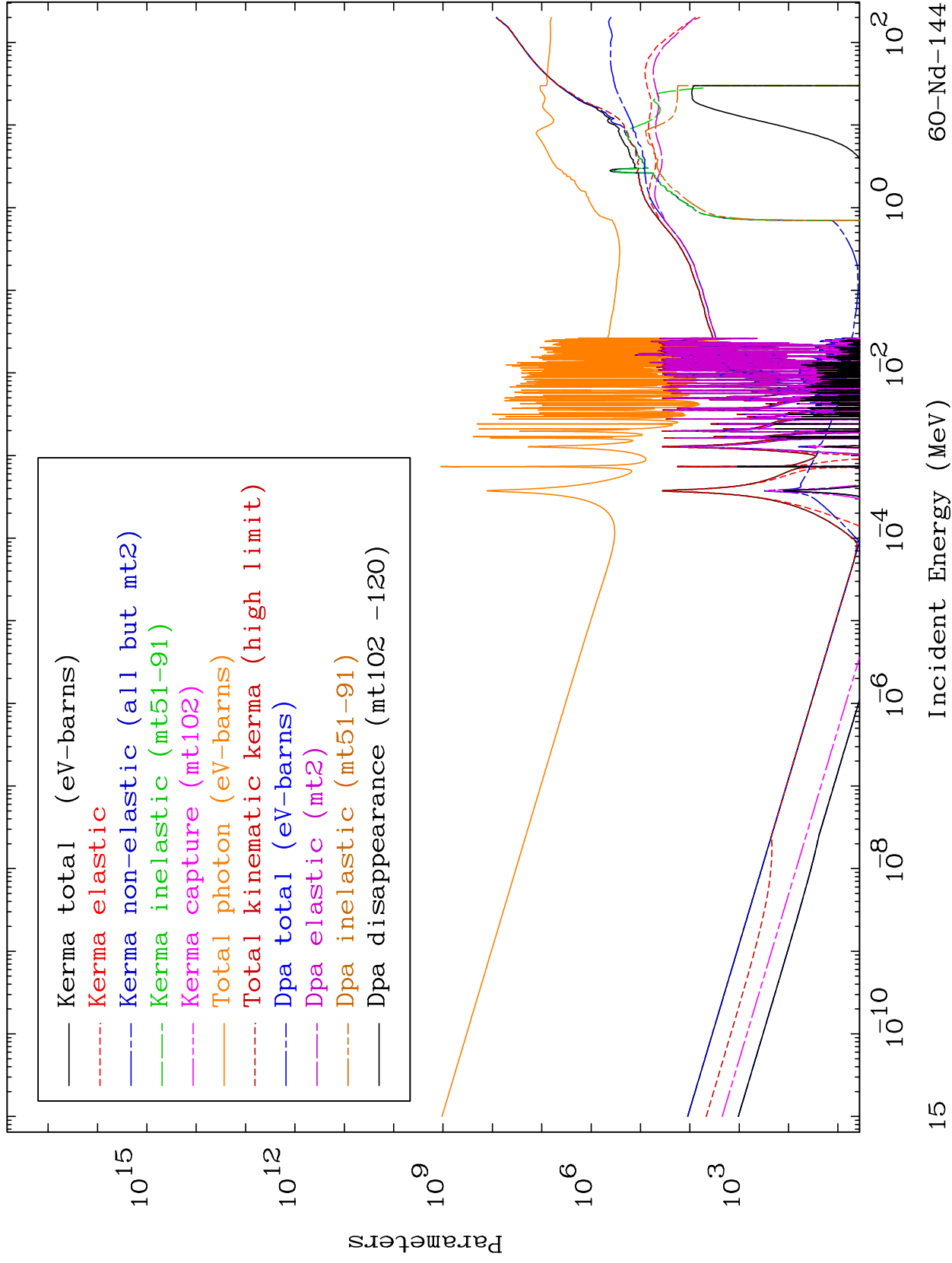
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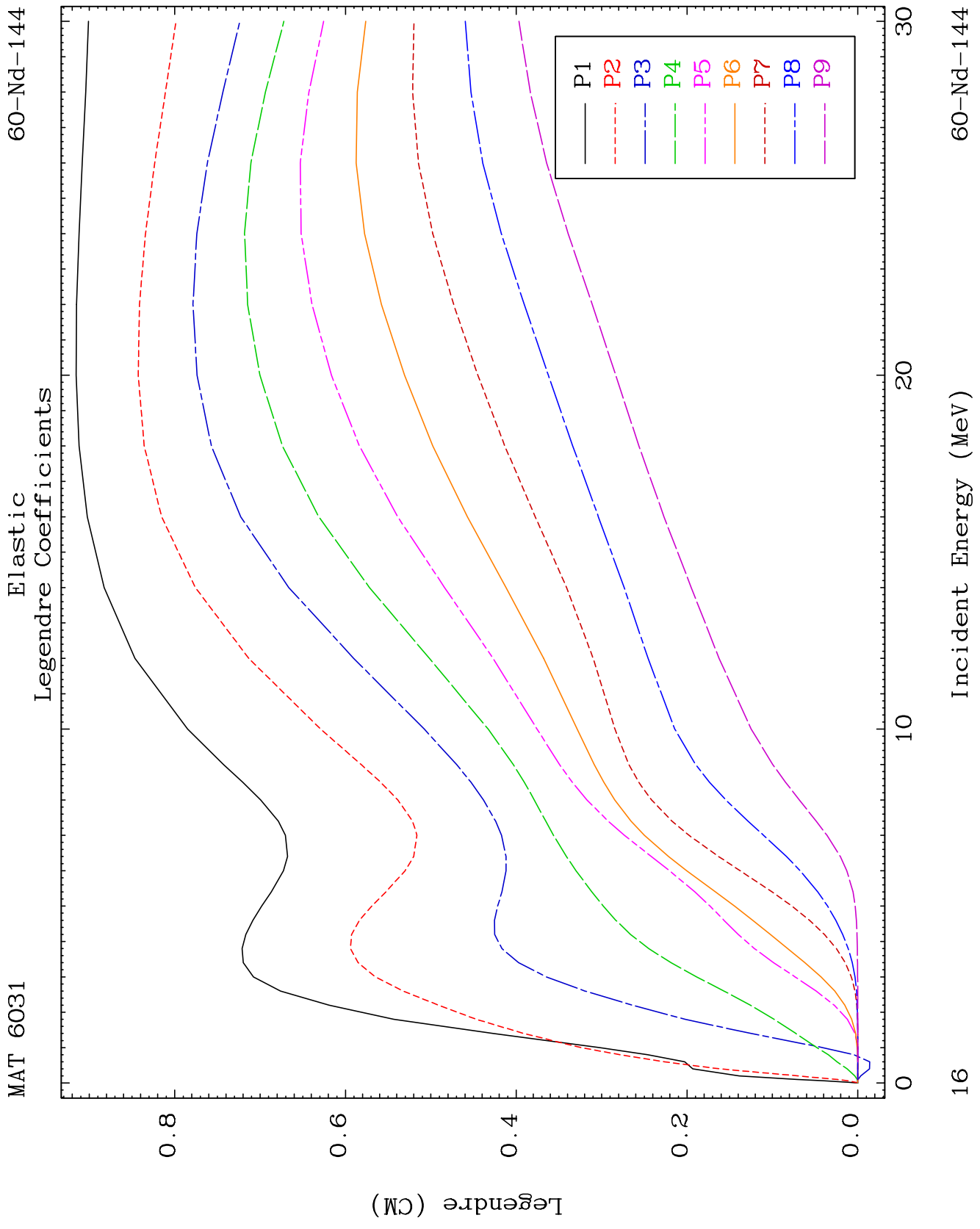
MAT 6031

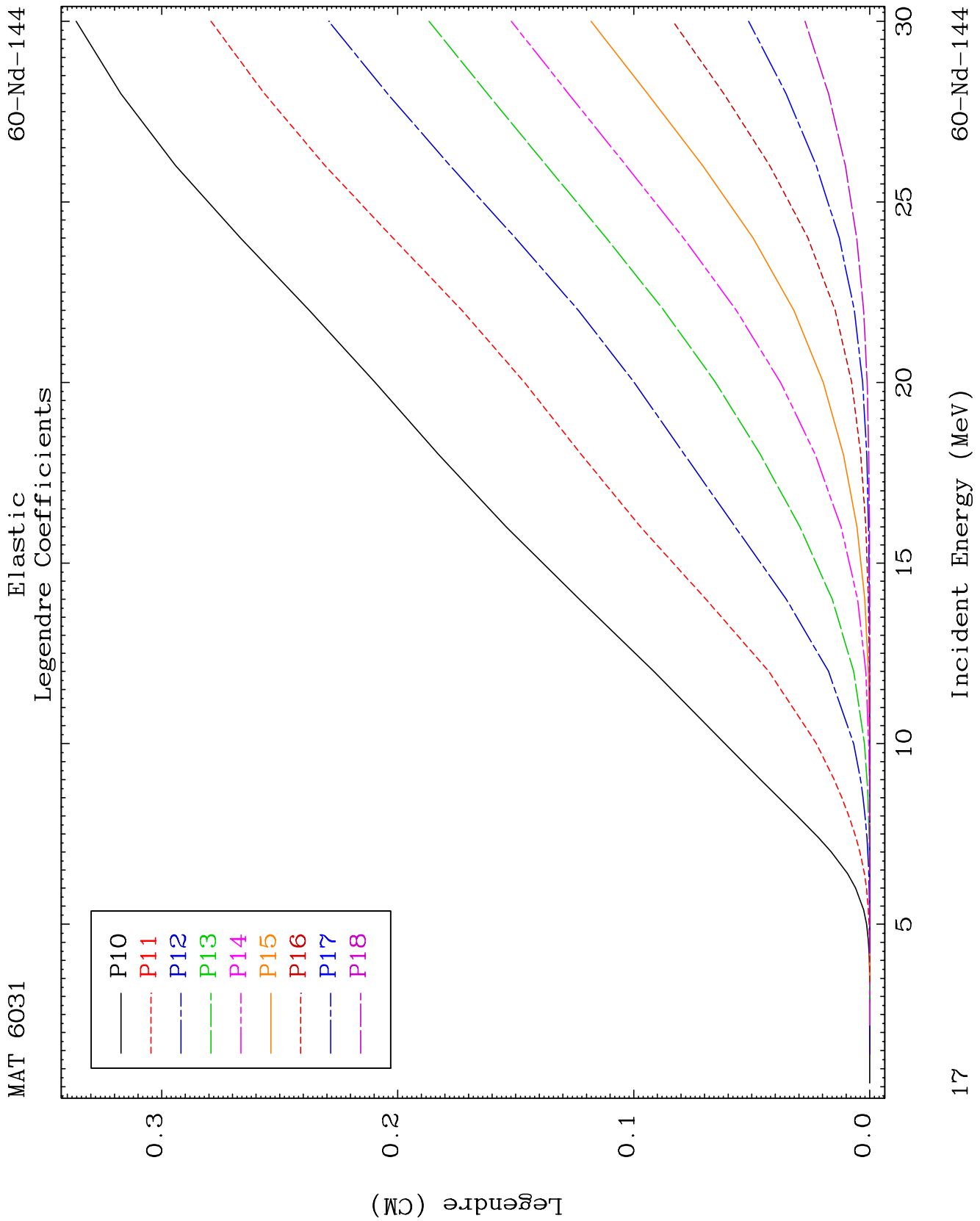
(n, α) Levels
293 Kelvin Cross Sections

60-Nd-144





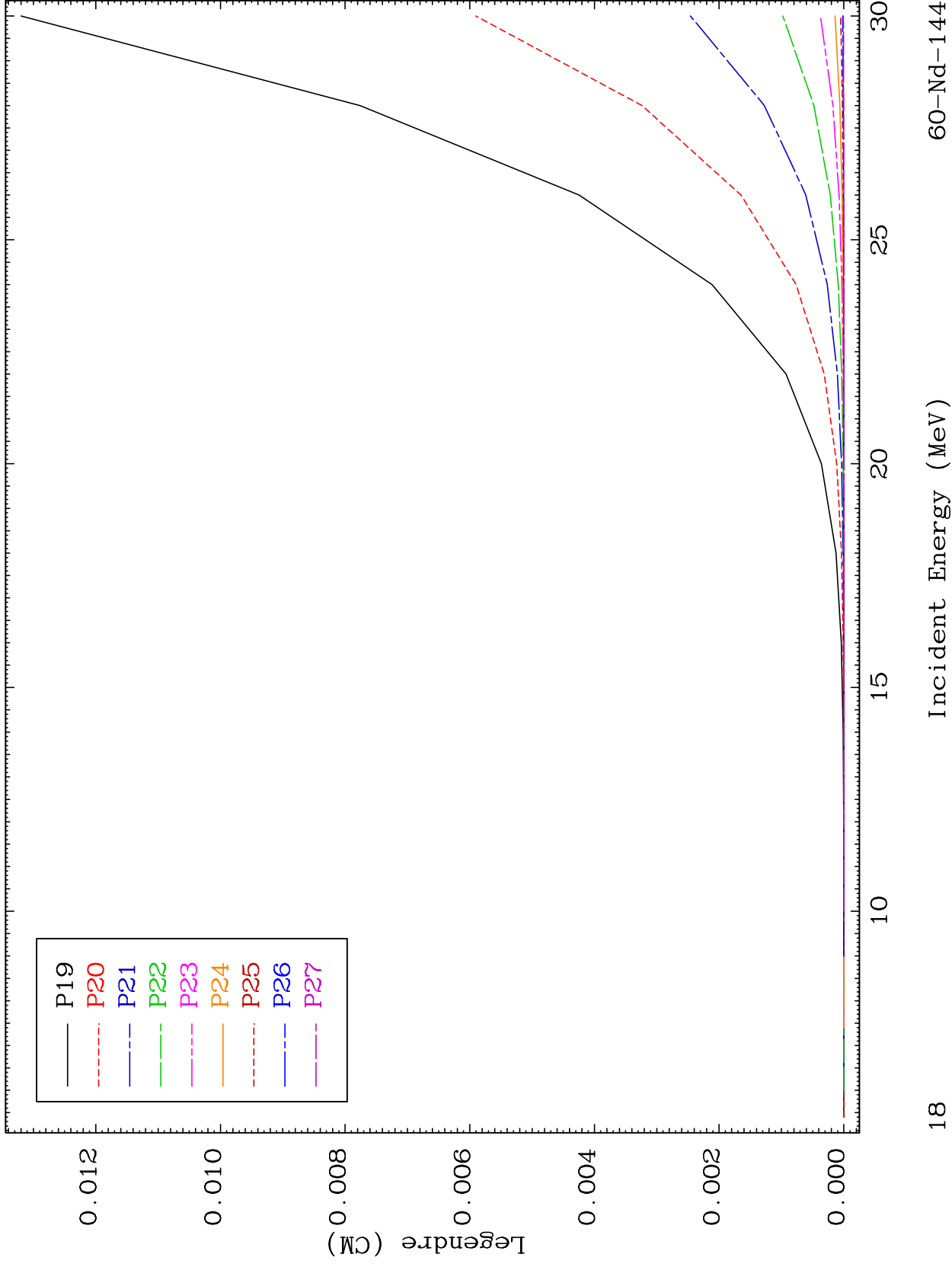




MAT 6031

Elastic Legendre Coefficients

60-Nd-144



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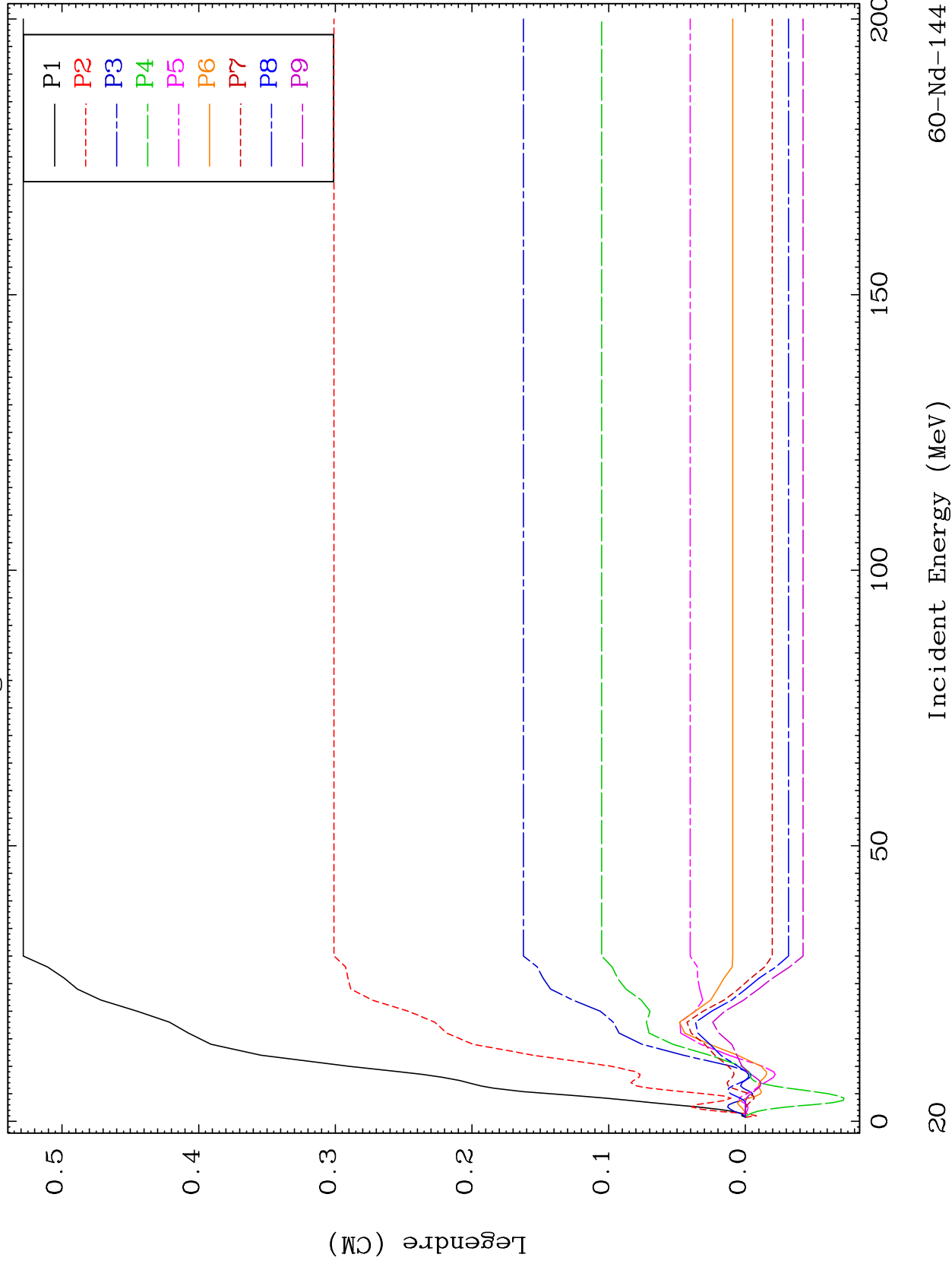
Incident Energy (MeV)

60-Nd-144

MAT 6031

696.6 keV (n,n') Level
Legendre Coefficients

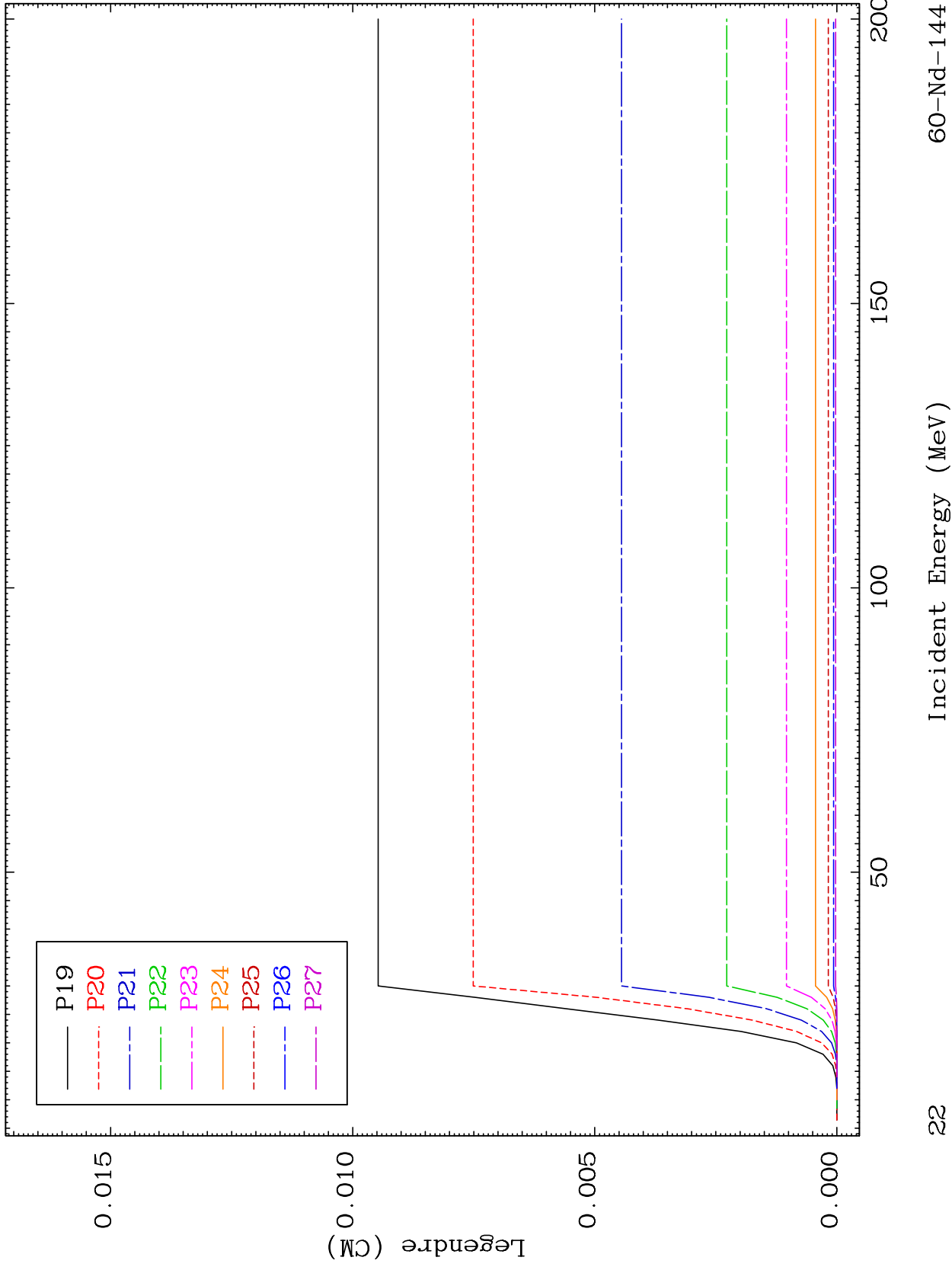
60-Nd-144



MAT 6031

696.6 keV (n,n') Level
Legendre Coefficients

60-Nd-144



22

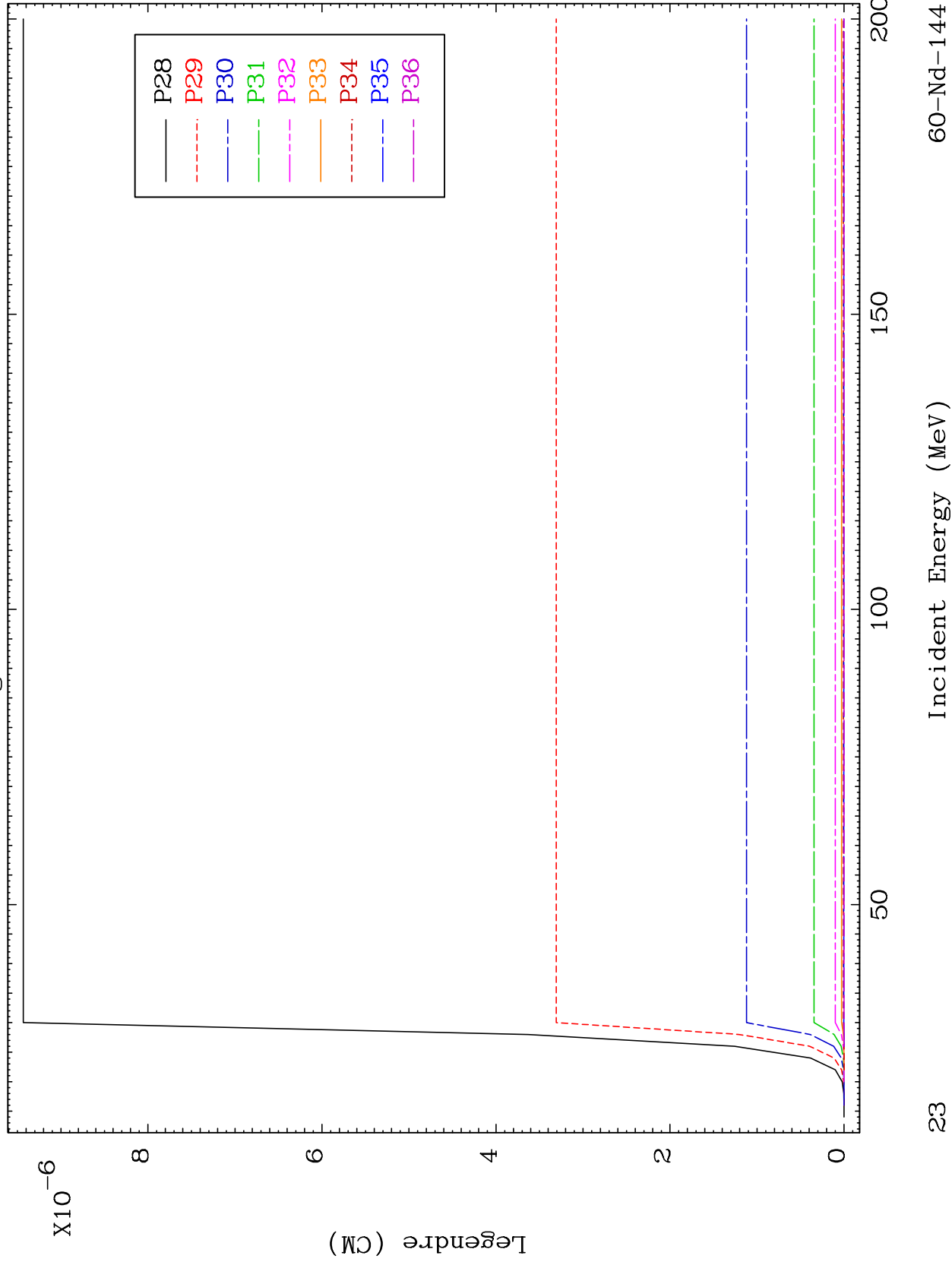
60-Nd-144

Incident Energy (MeV)

MAT 6031

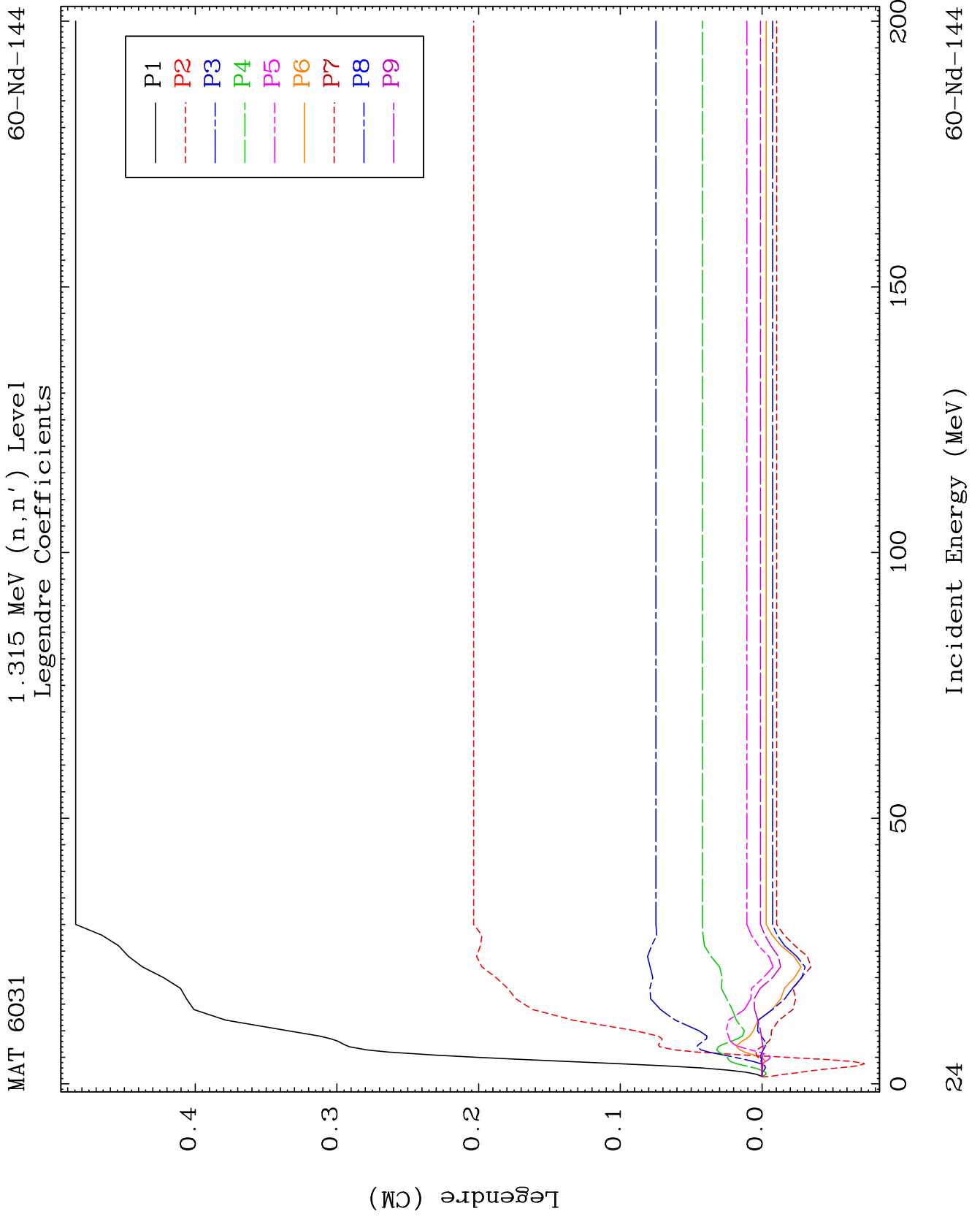
696.6 keV (n,n') Level
Legendre Coefficients

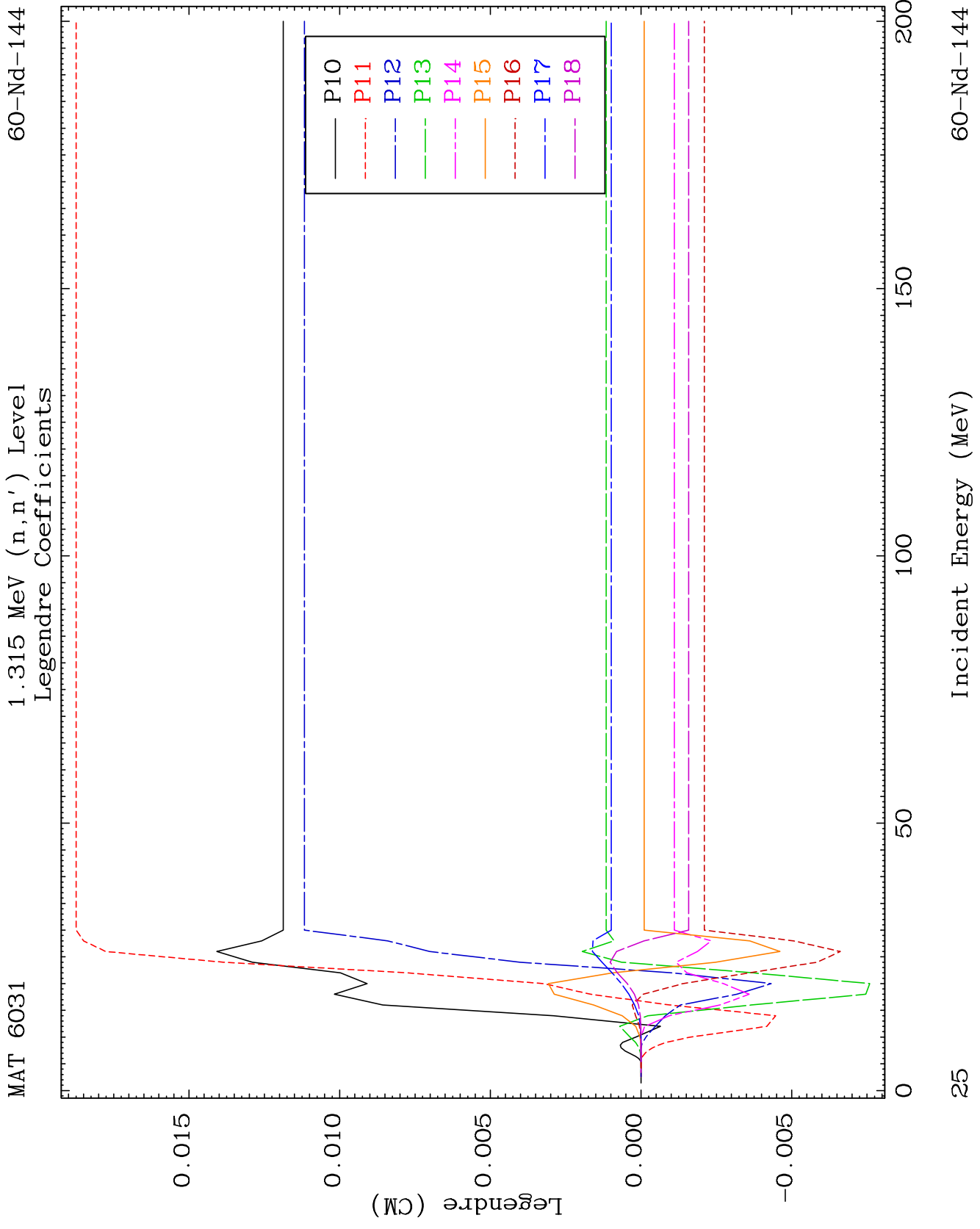
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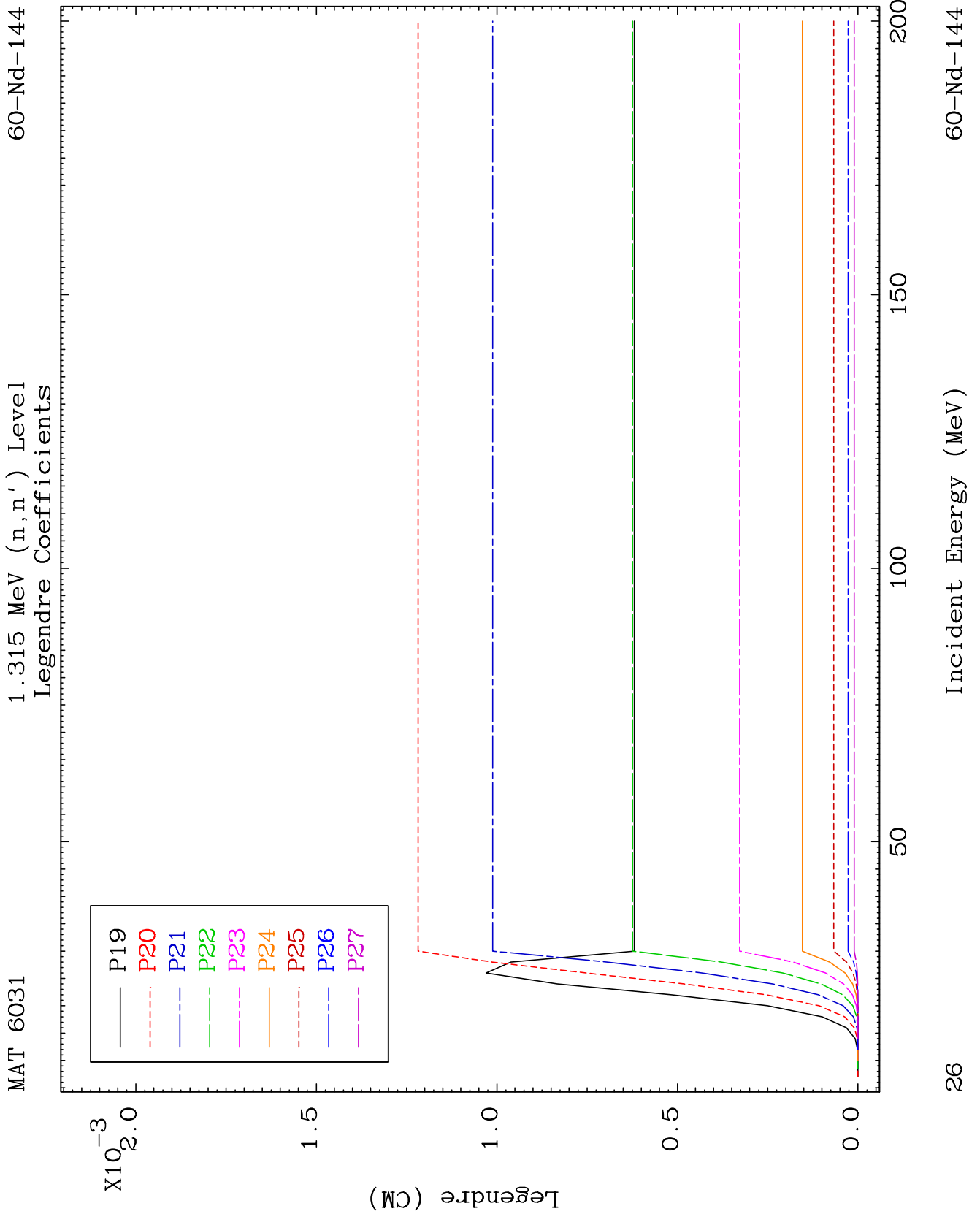


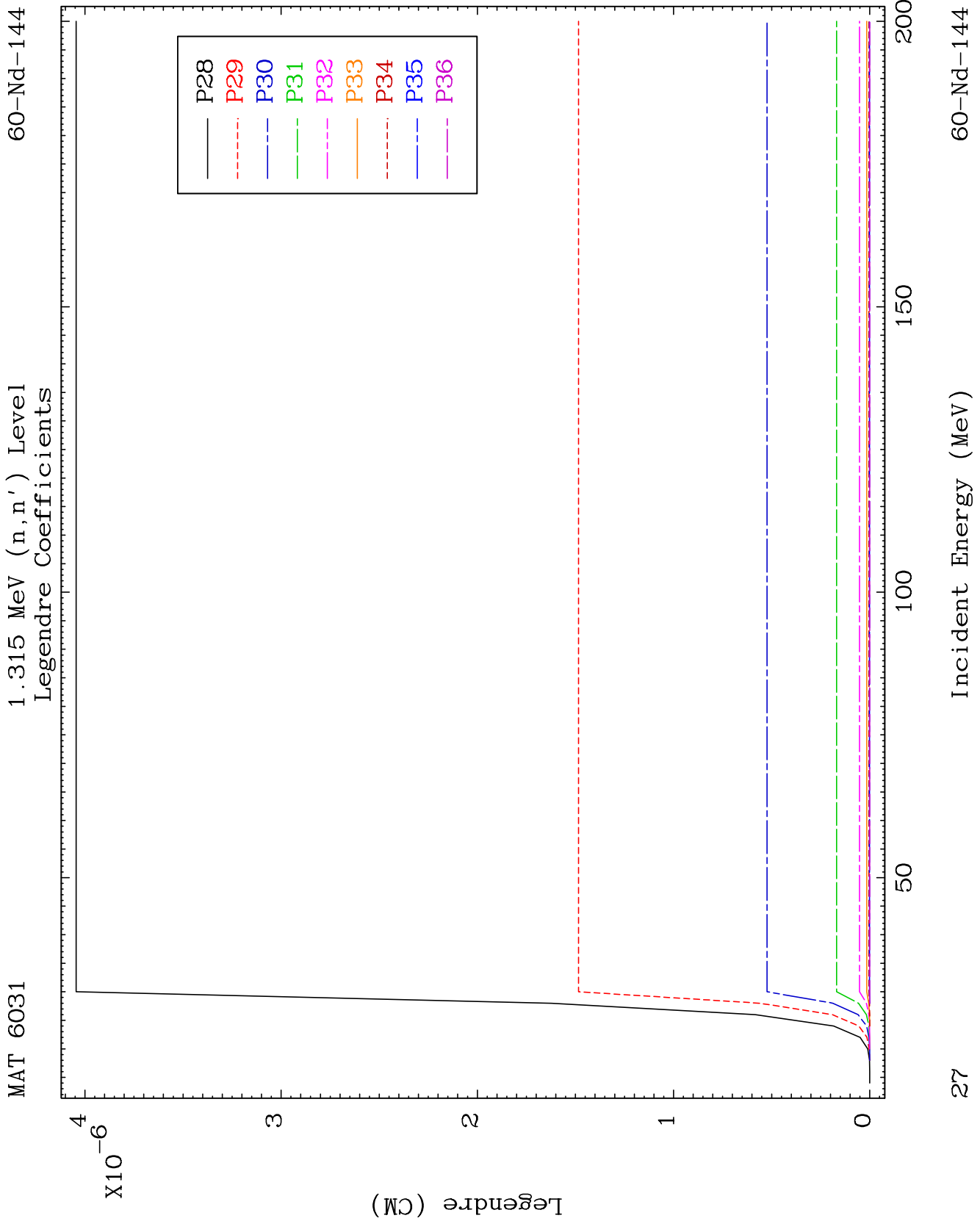
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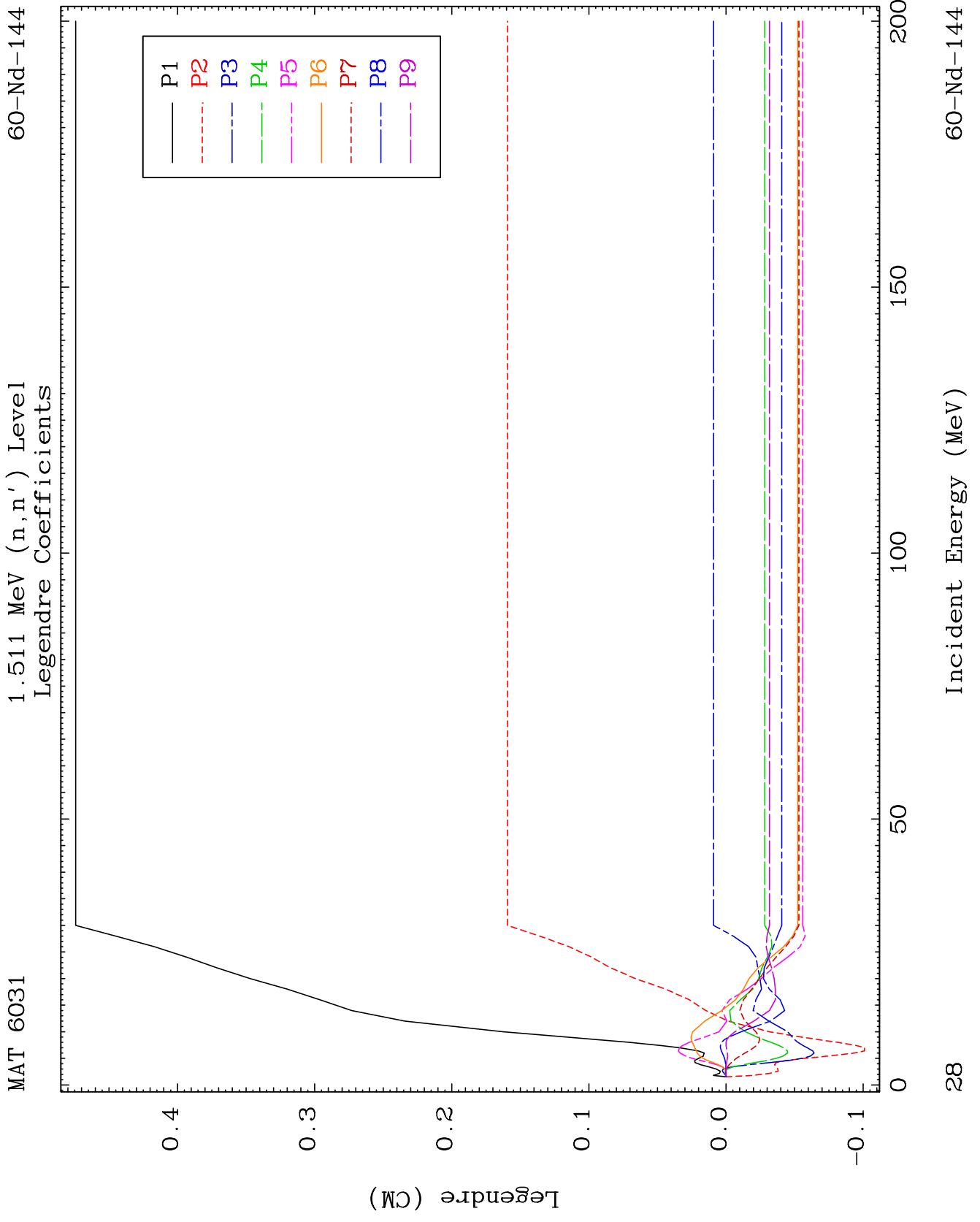
60-Nd-144

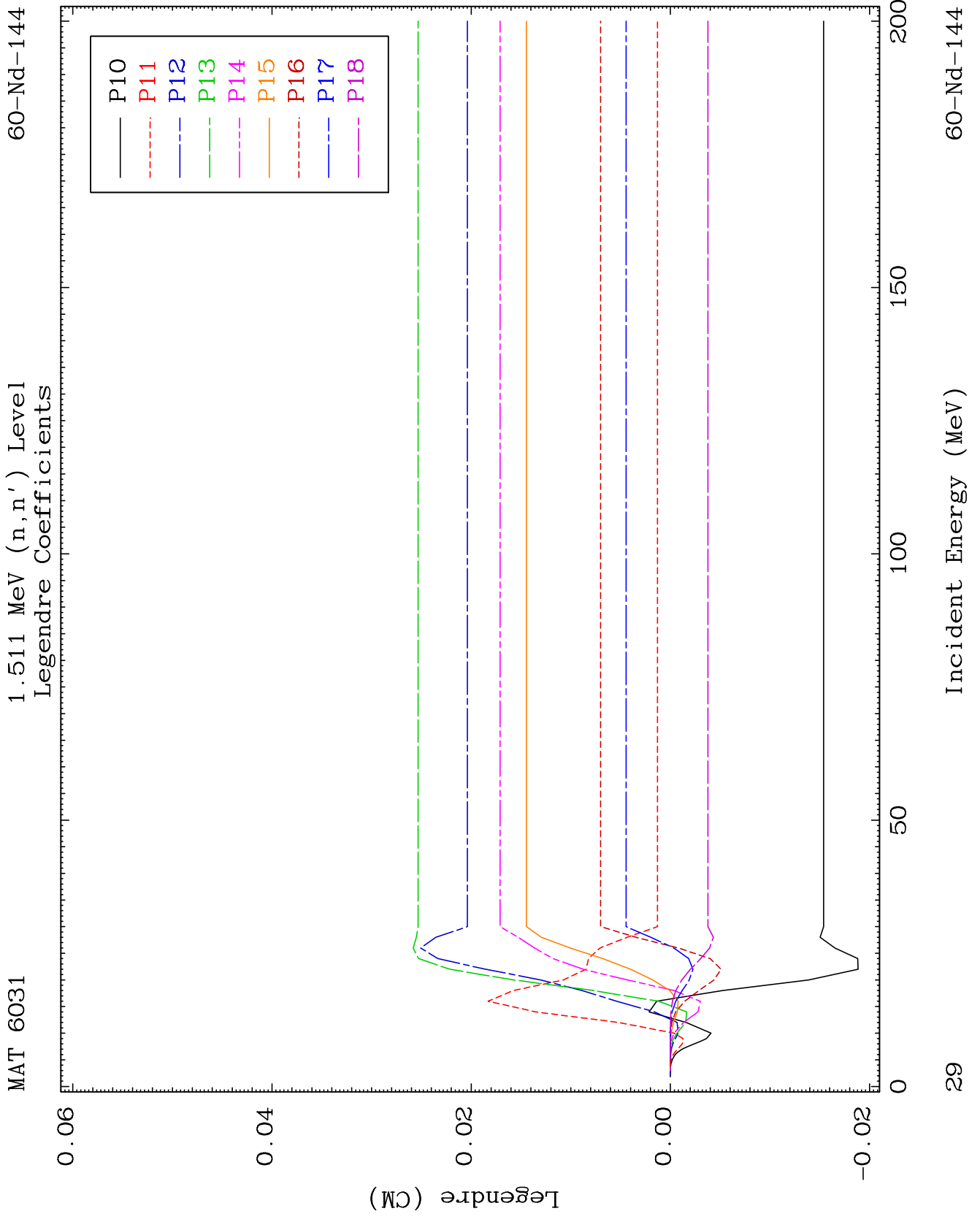


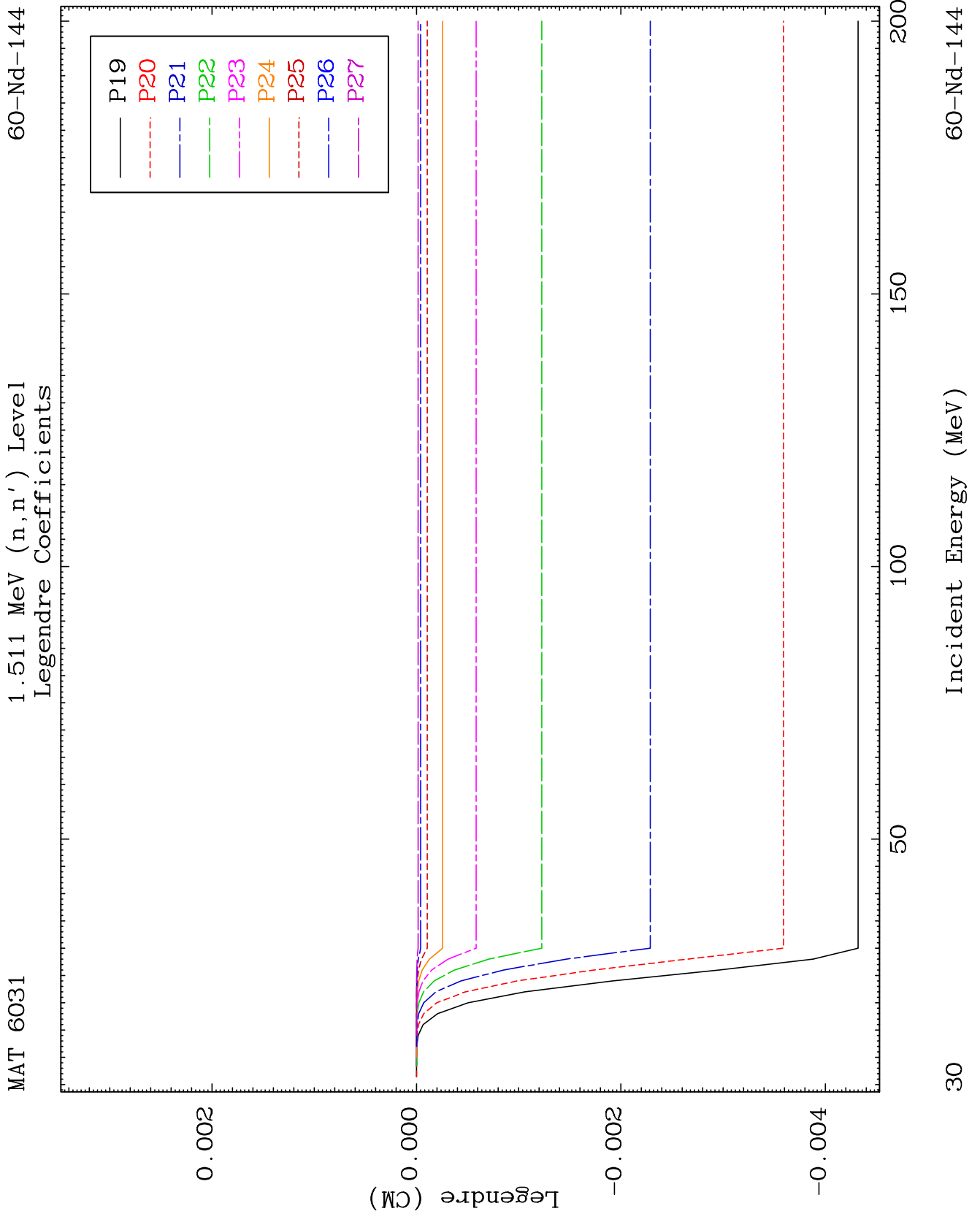


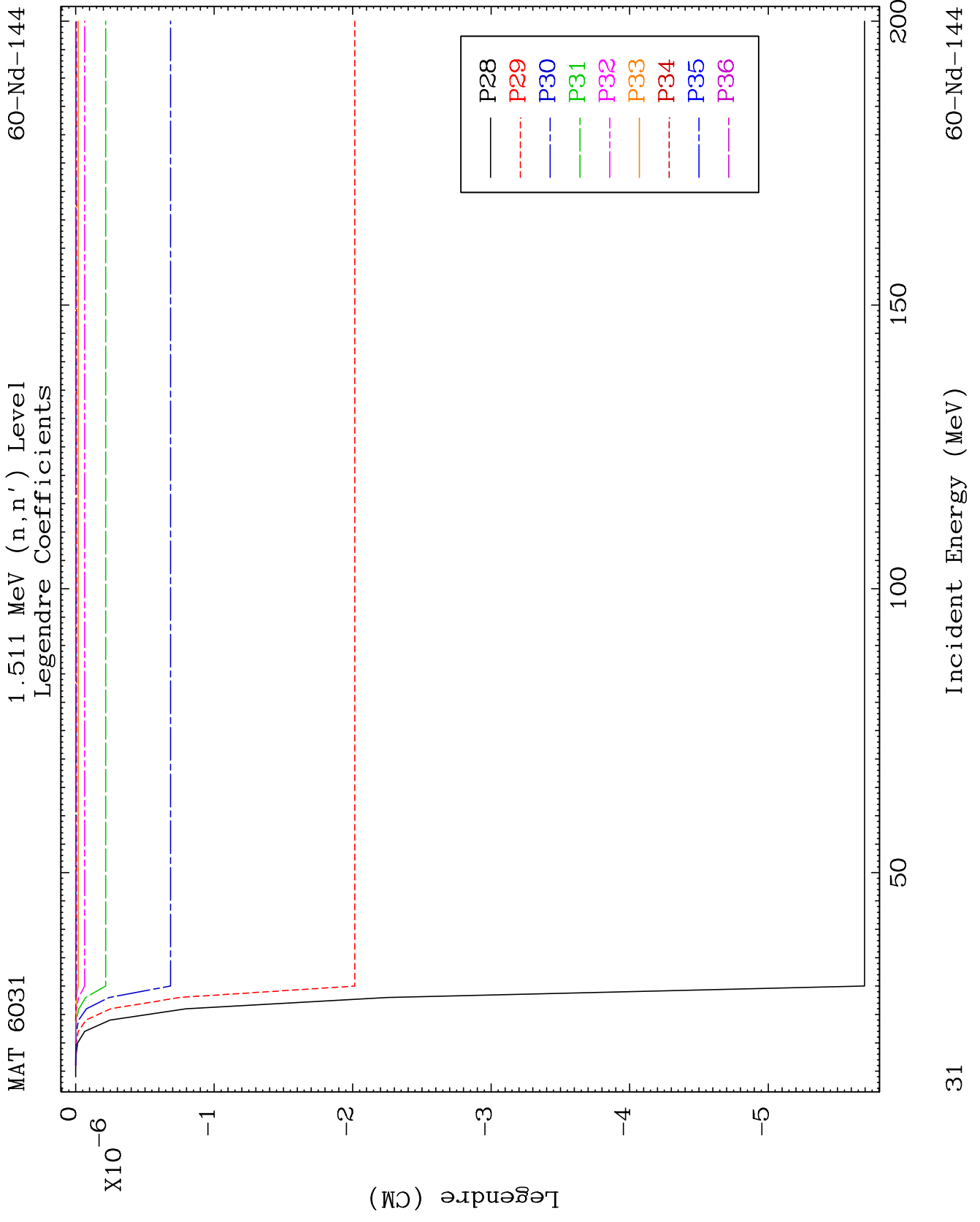


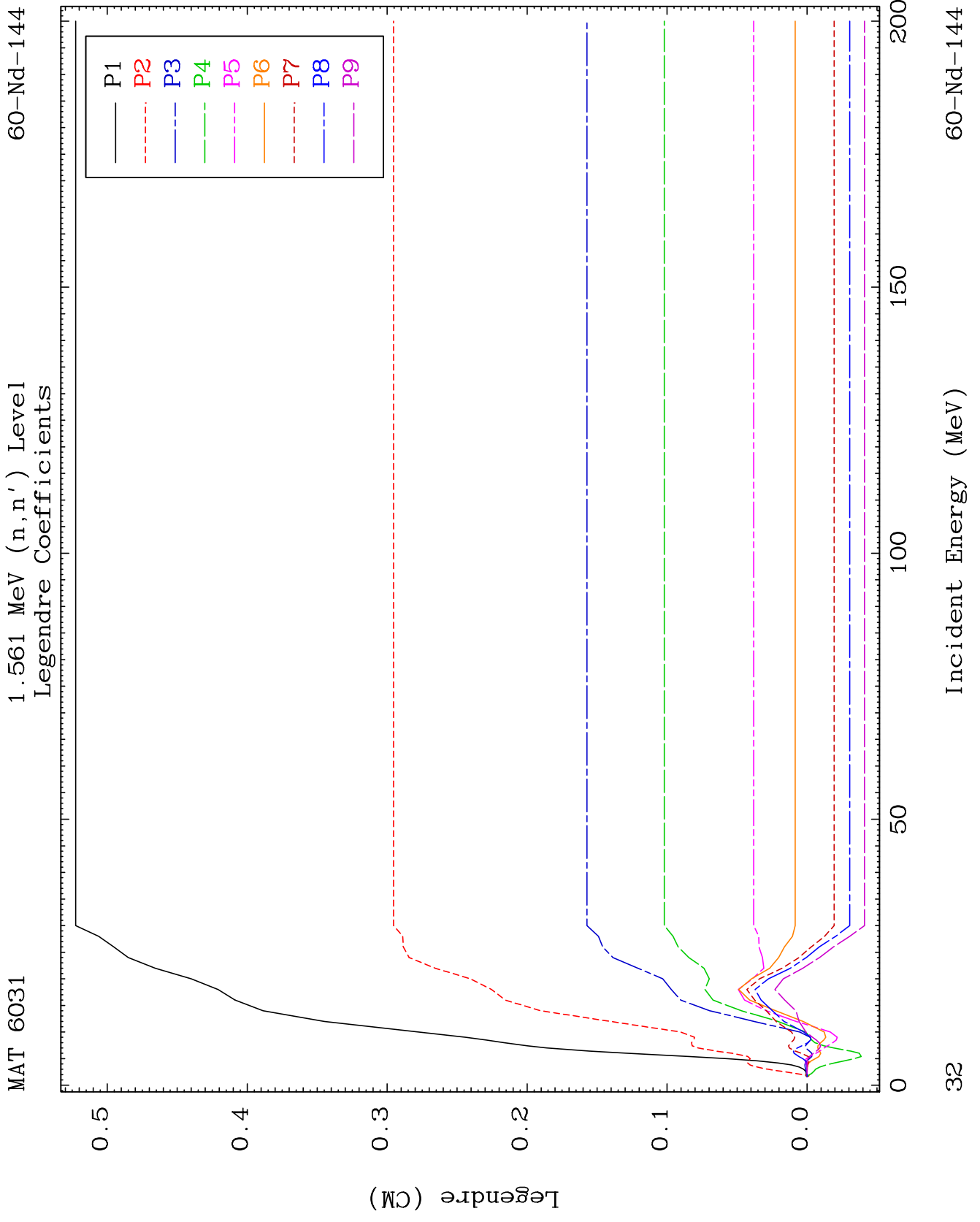


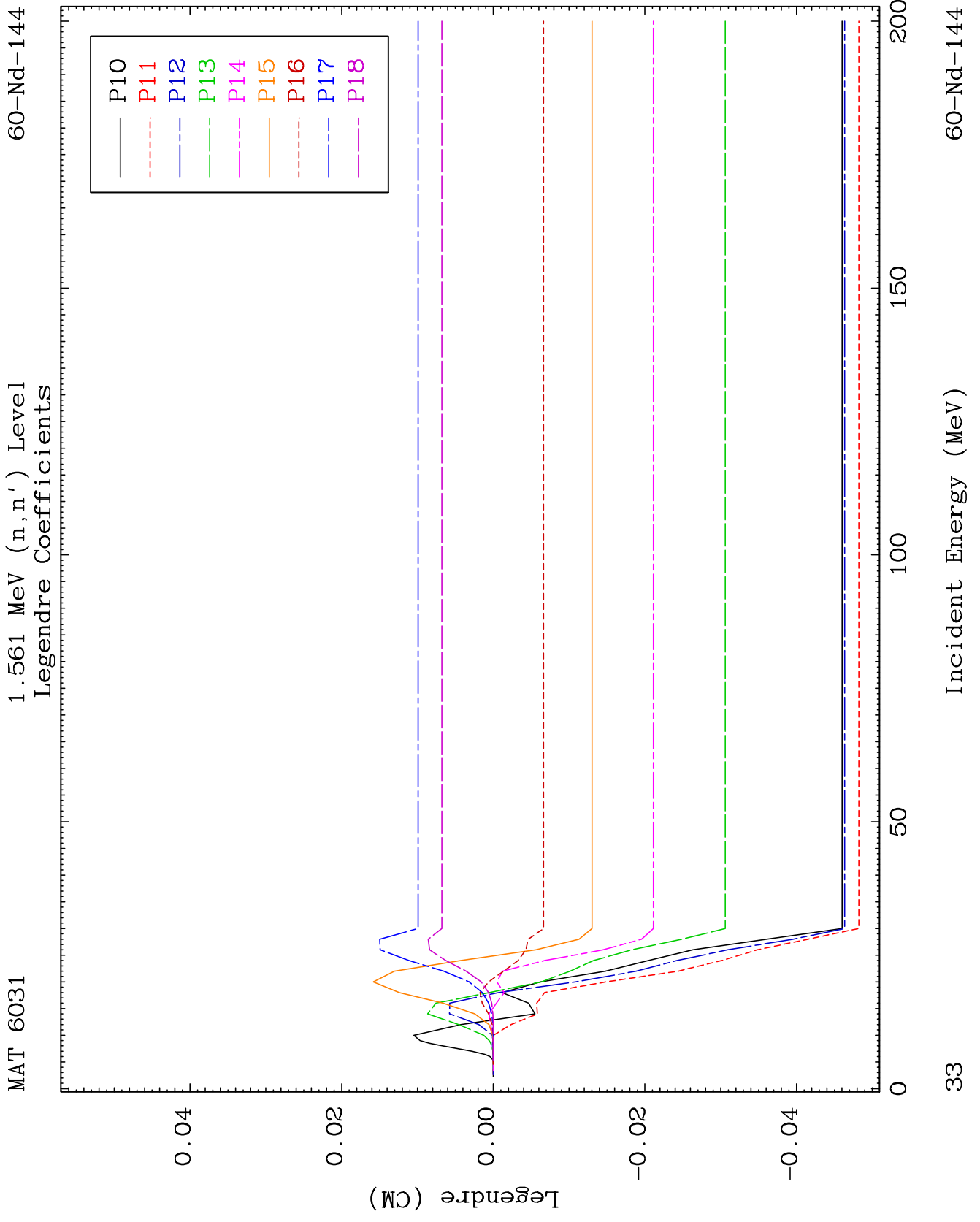


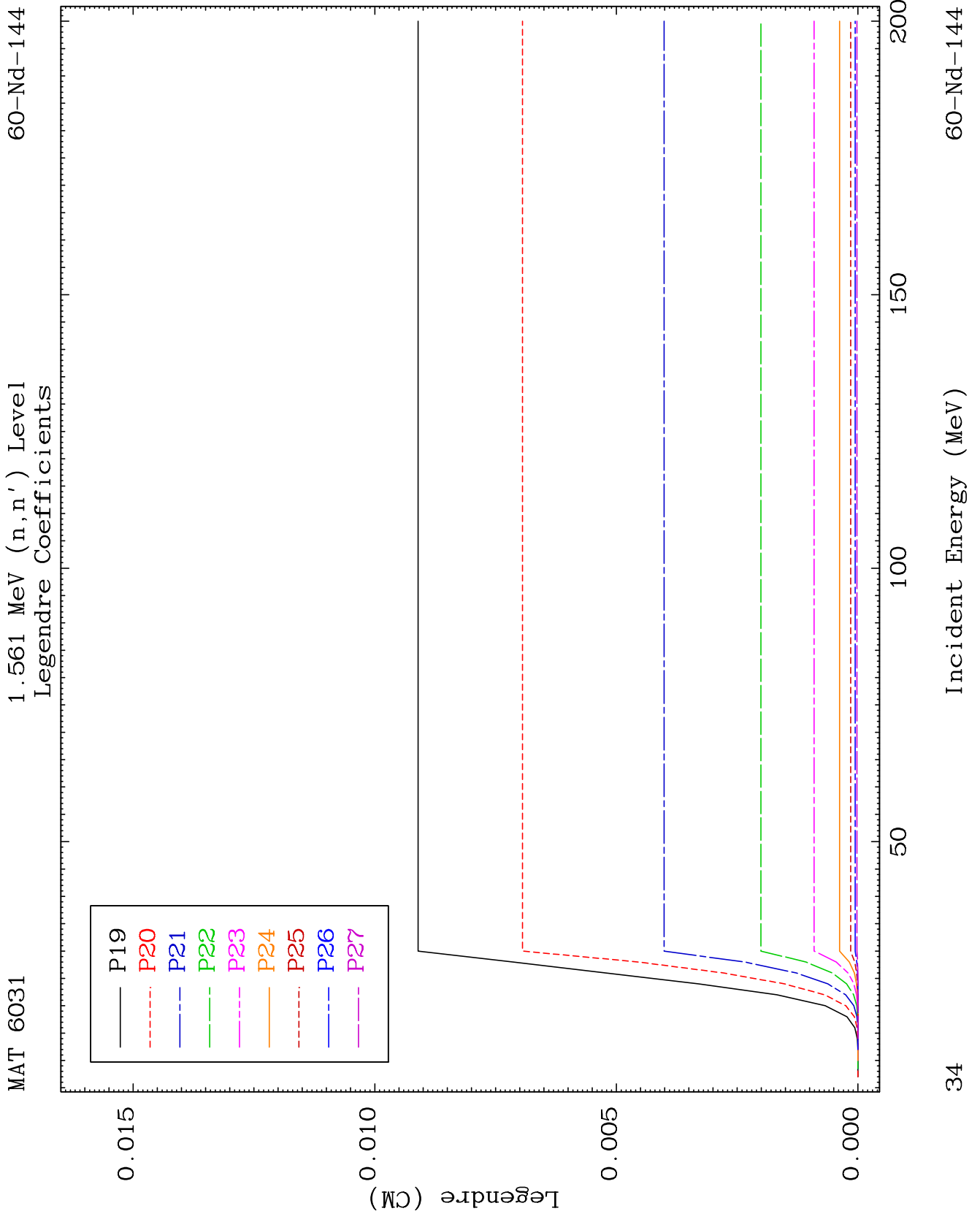


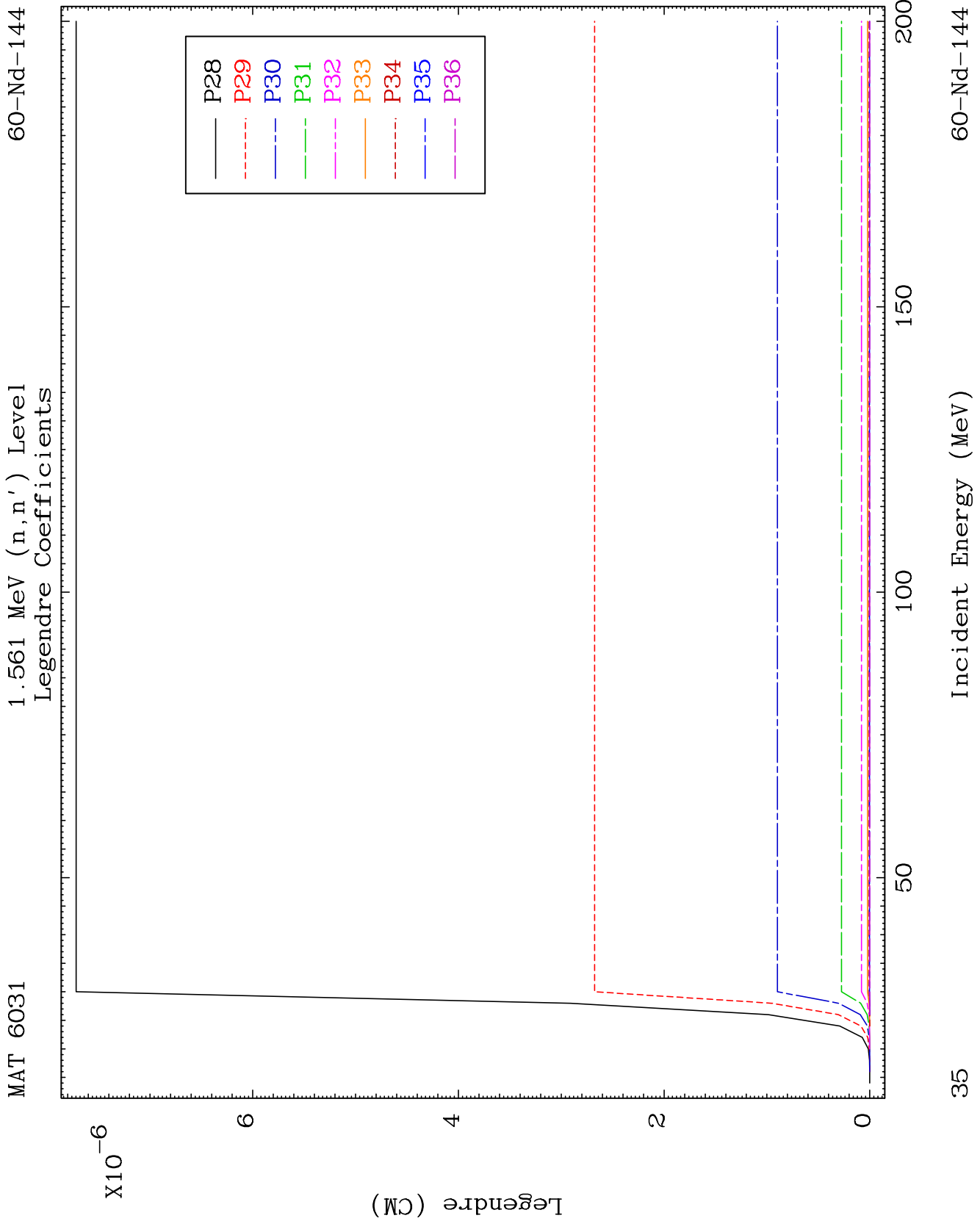


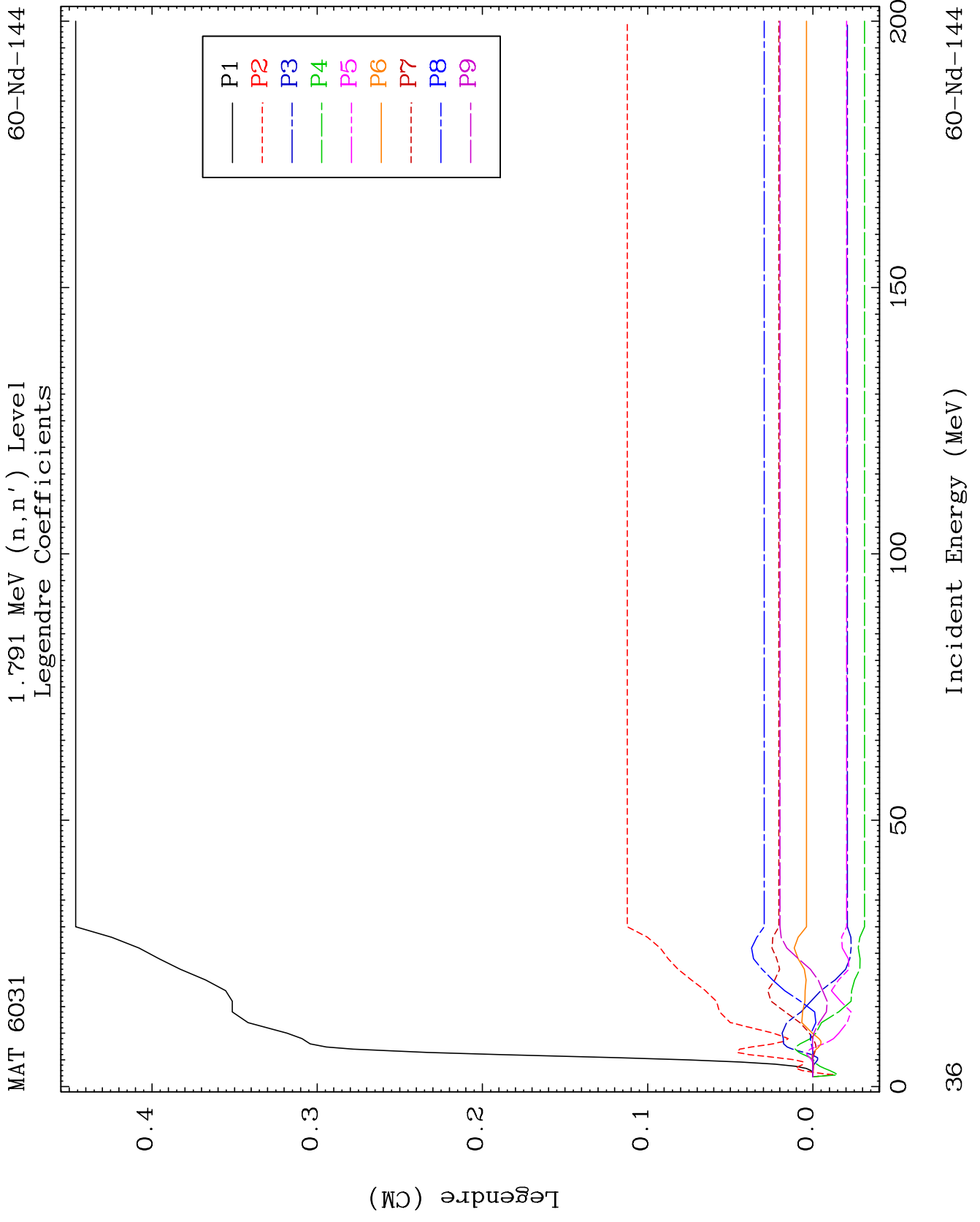








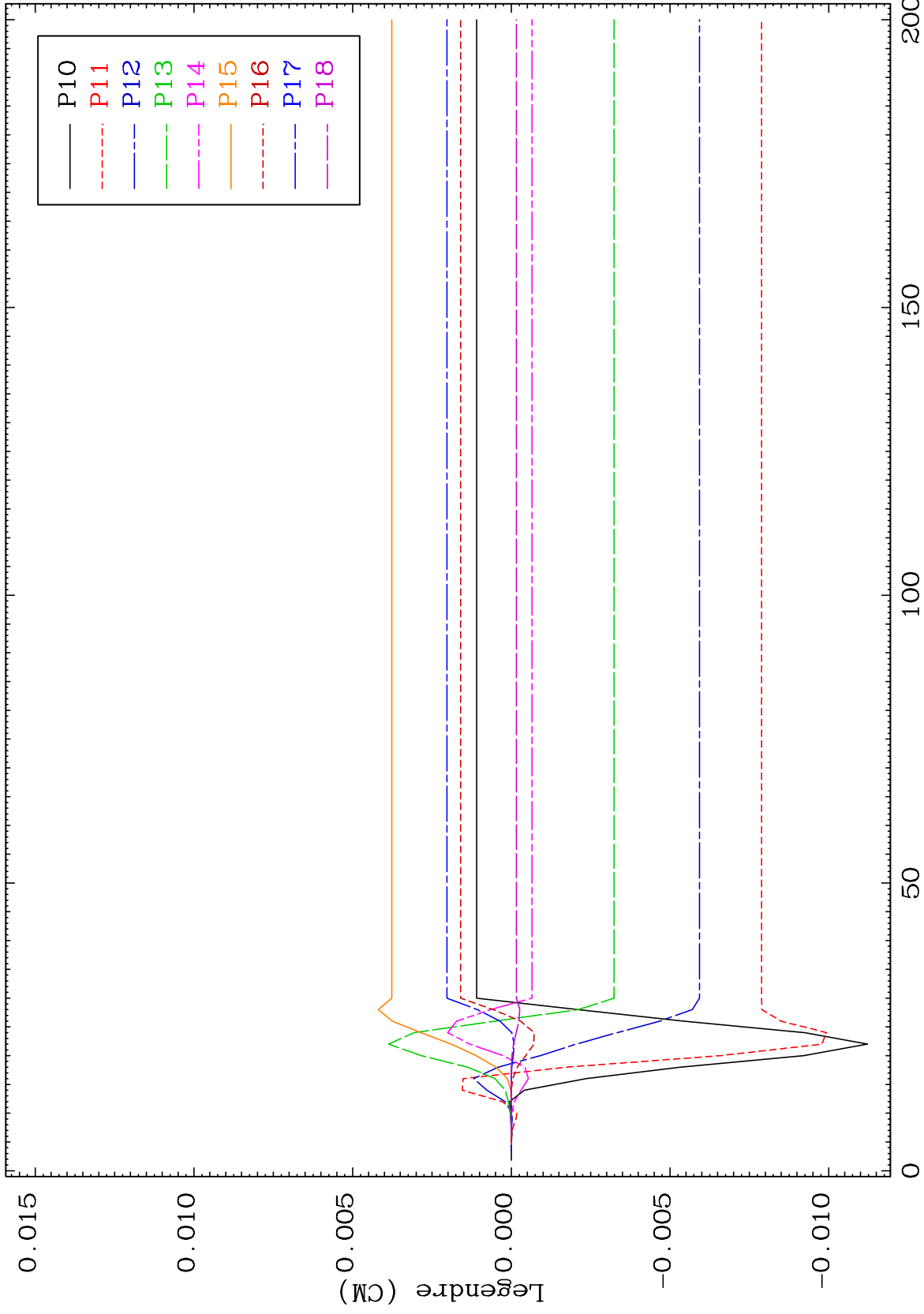




MAT 6031

1.791 MeV (n,n') Level
Legendre Coefficients

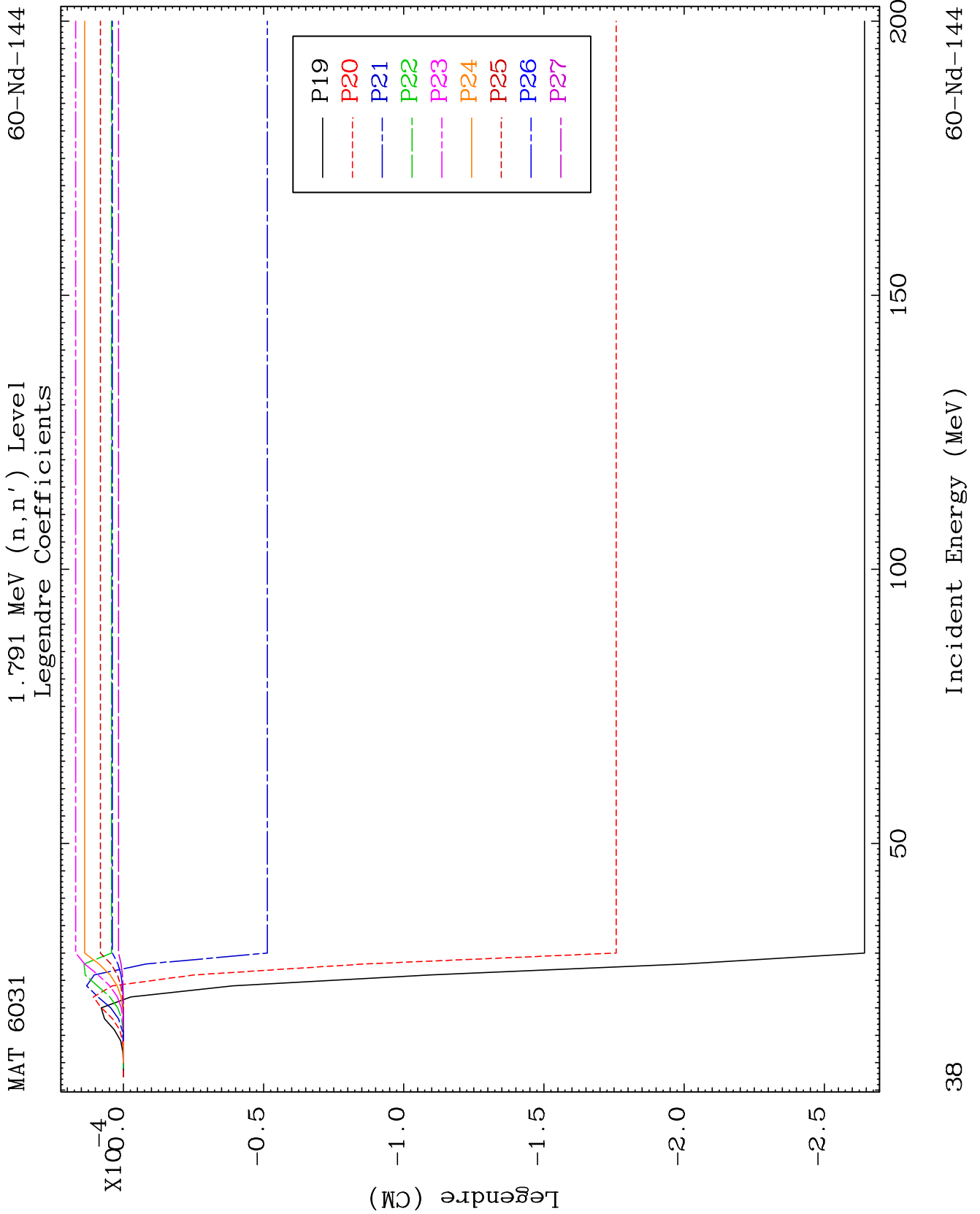
60-Nd-144

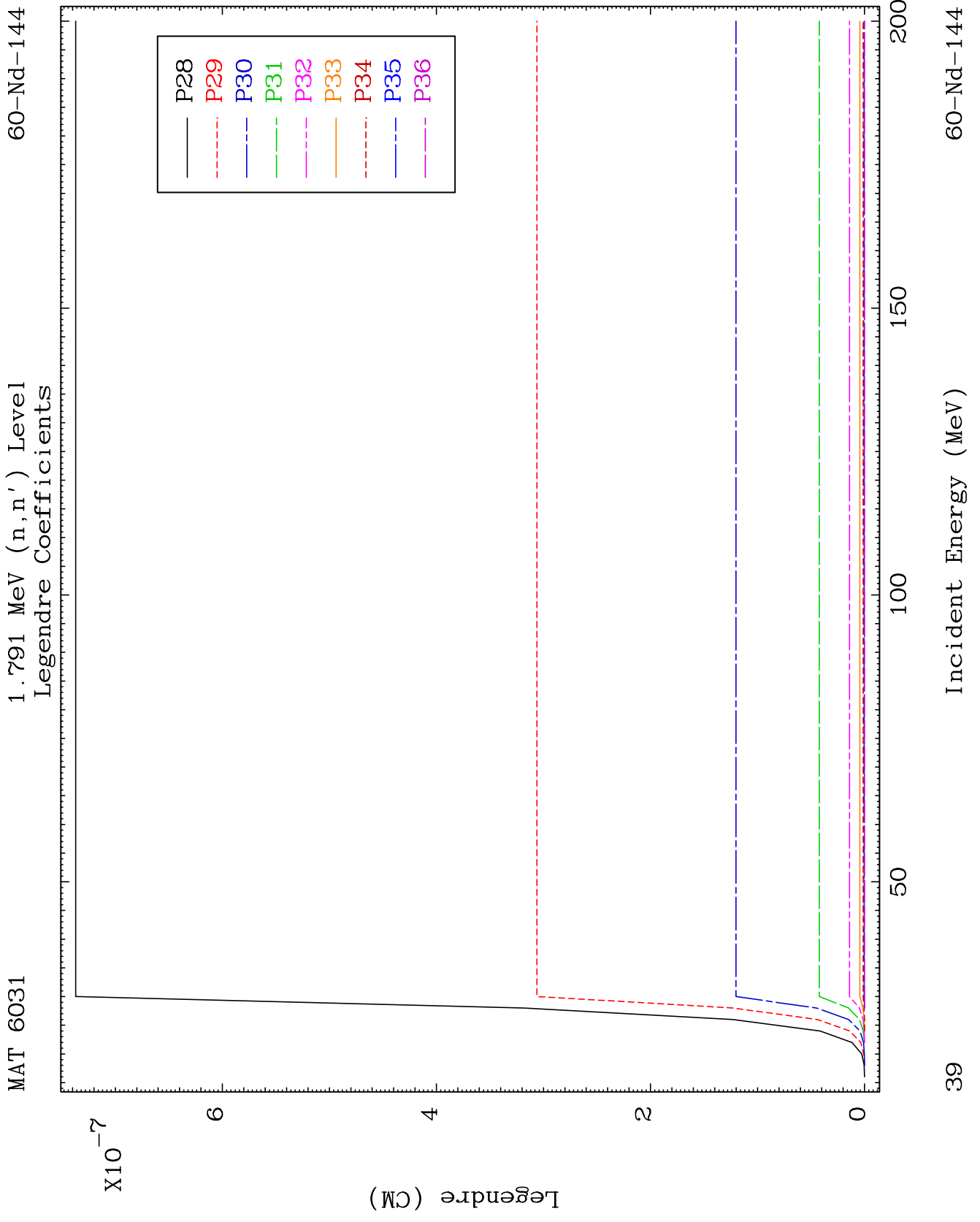


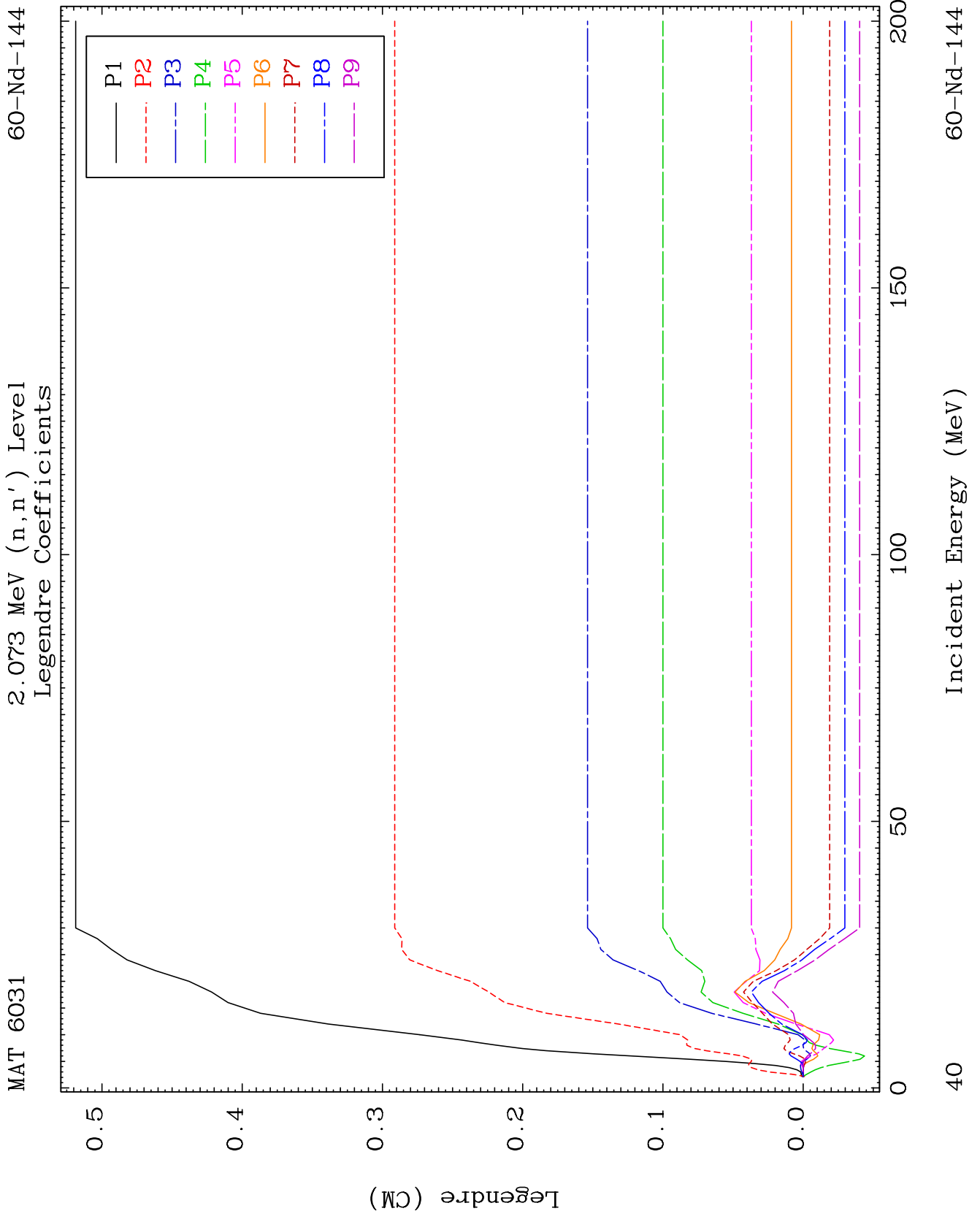
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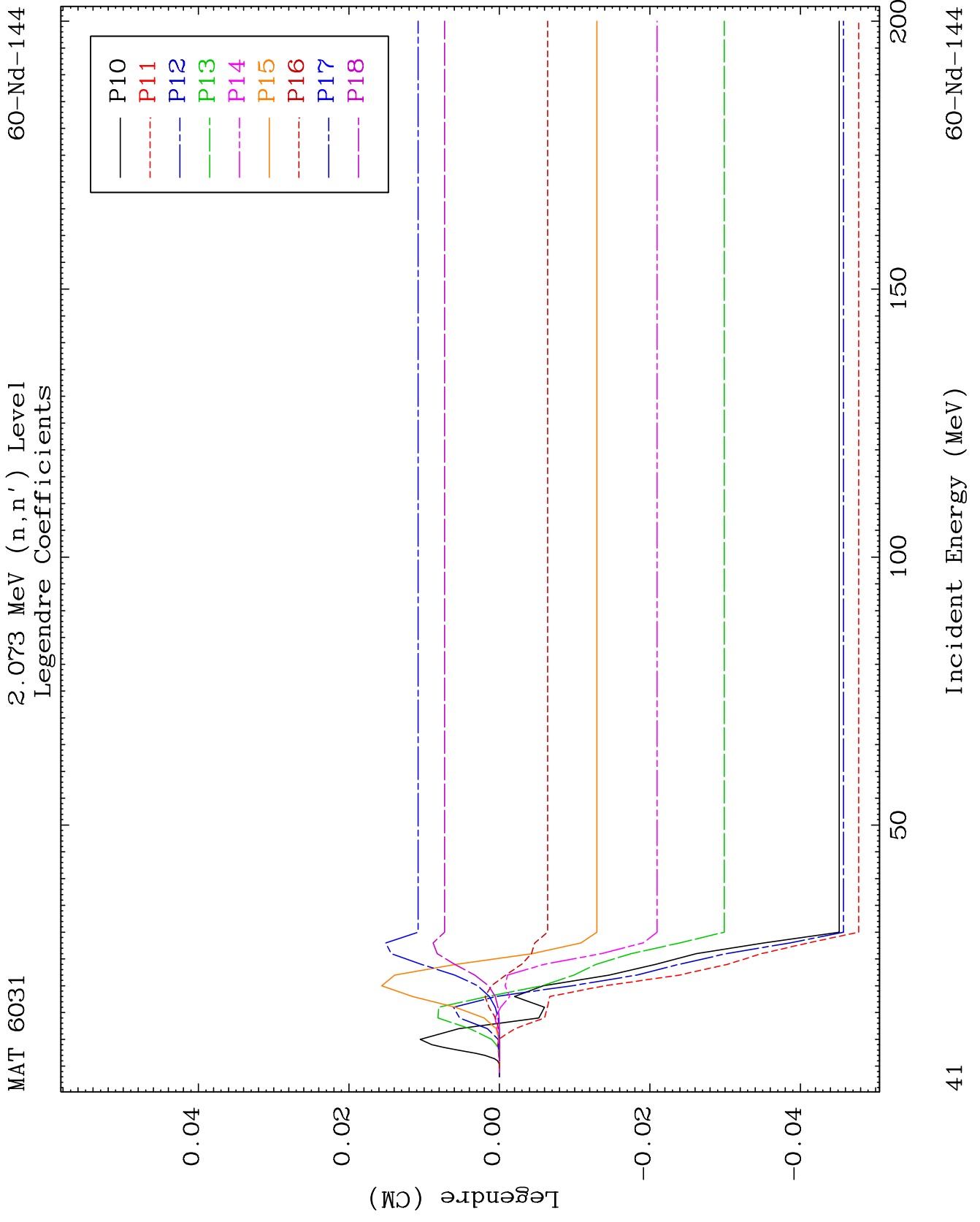
Incident Energy (MeV)

60-Nd-144





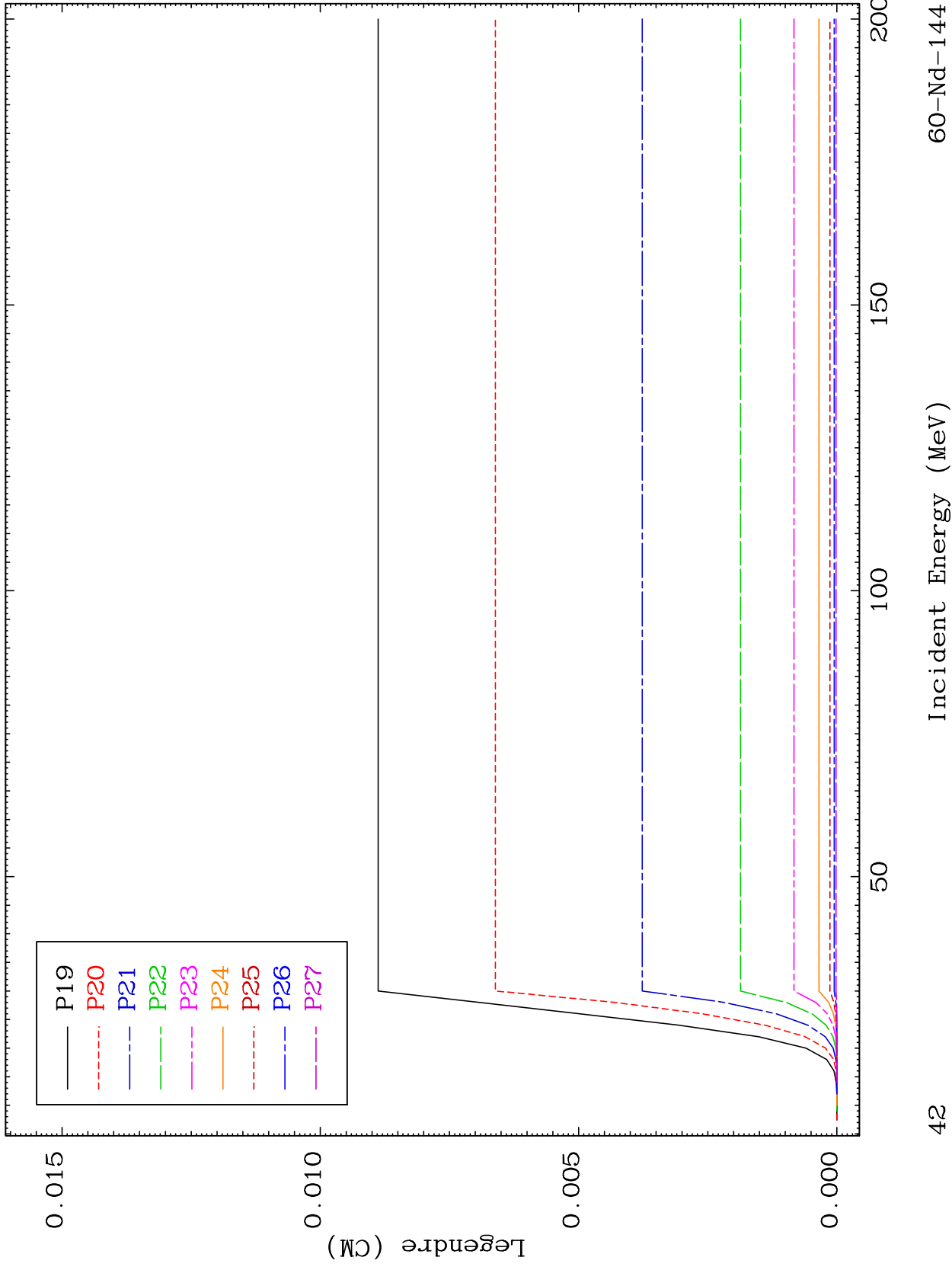




MAT 6031

2.073 MeV (n,n') Level
Legendre Coefficients

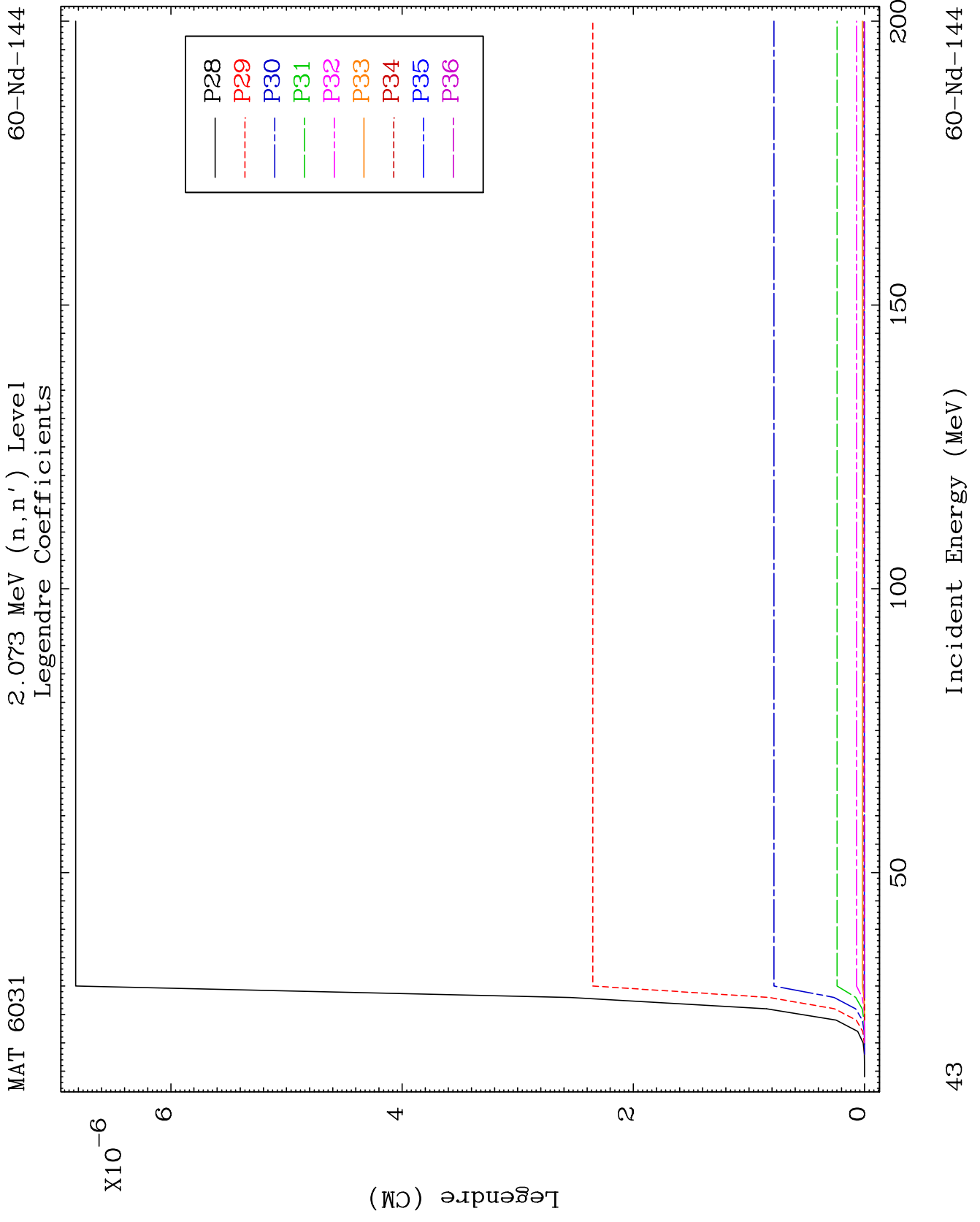
60-Nd-144

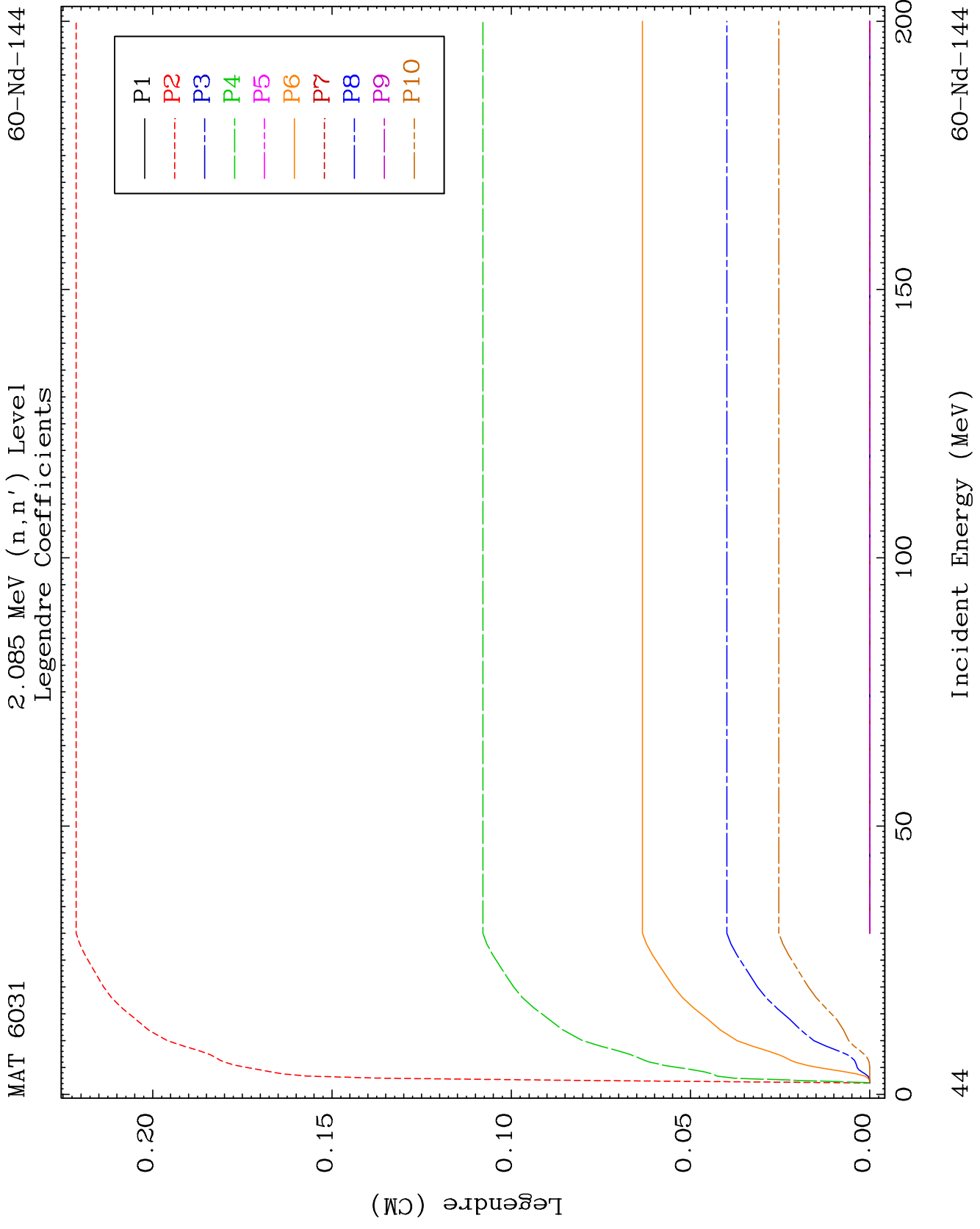


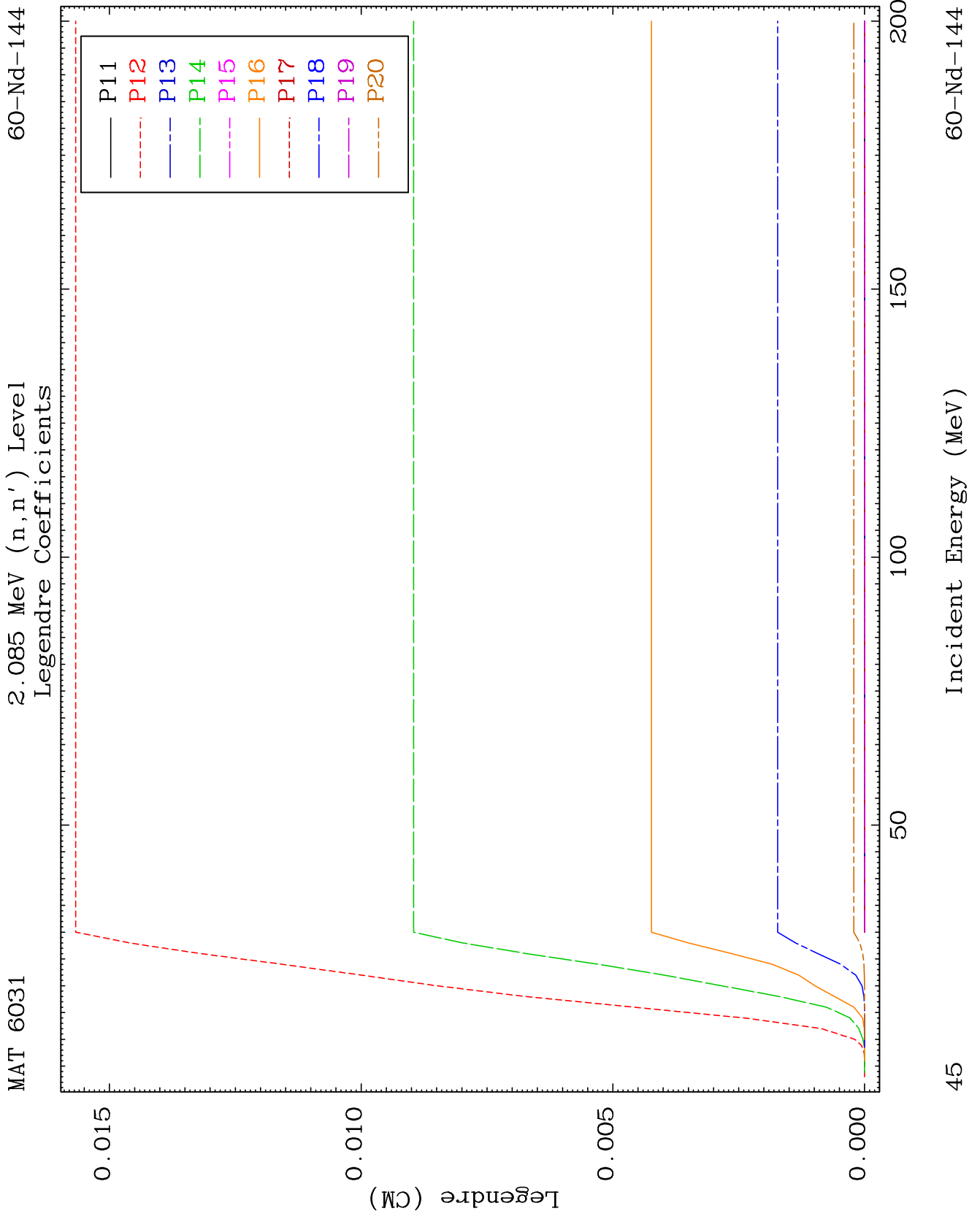
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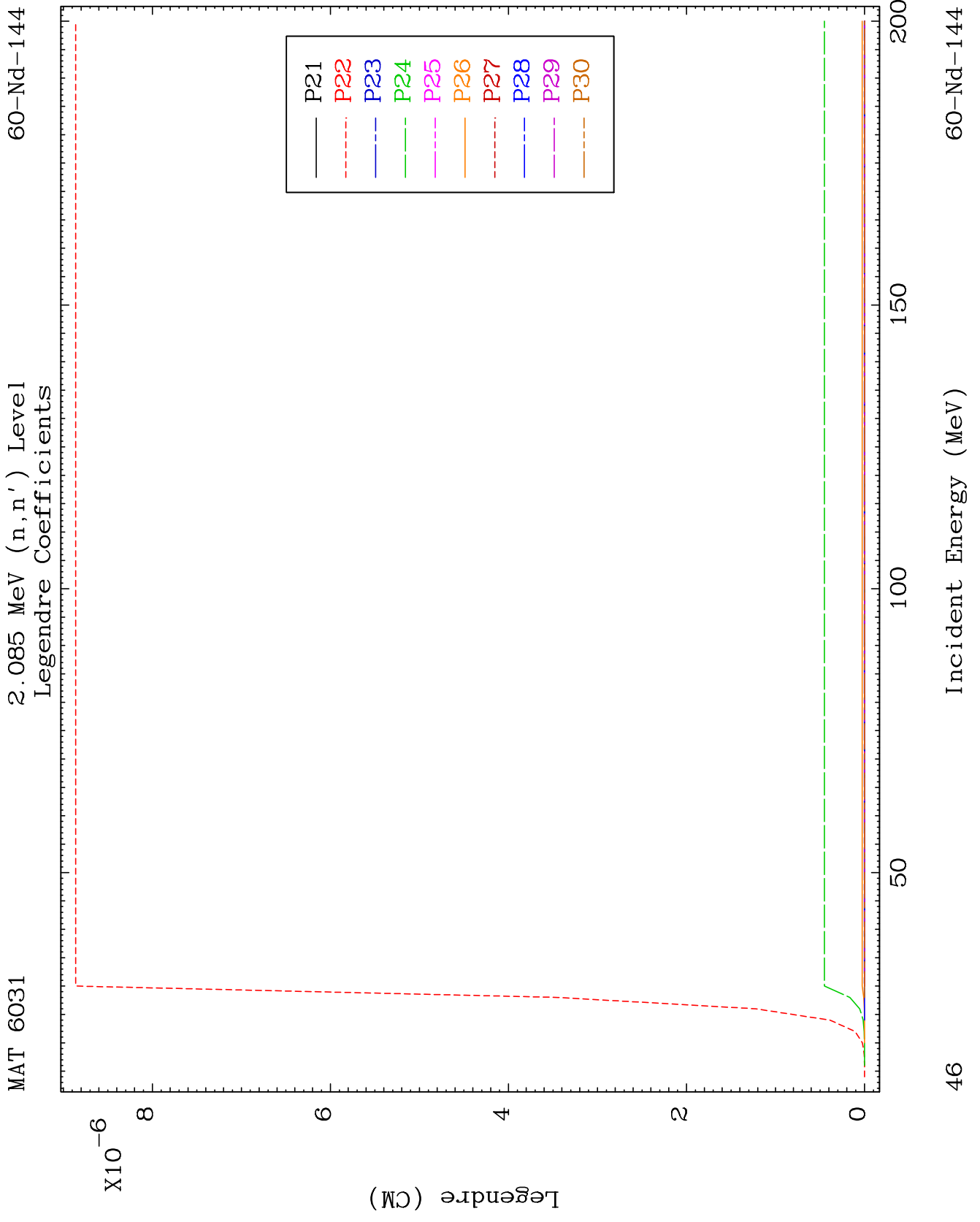
Incident Energy (MeV)

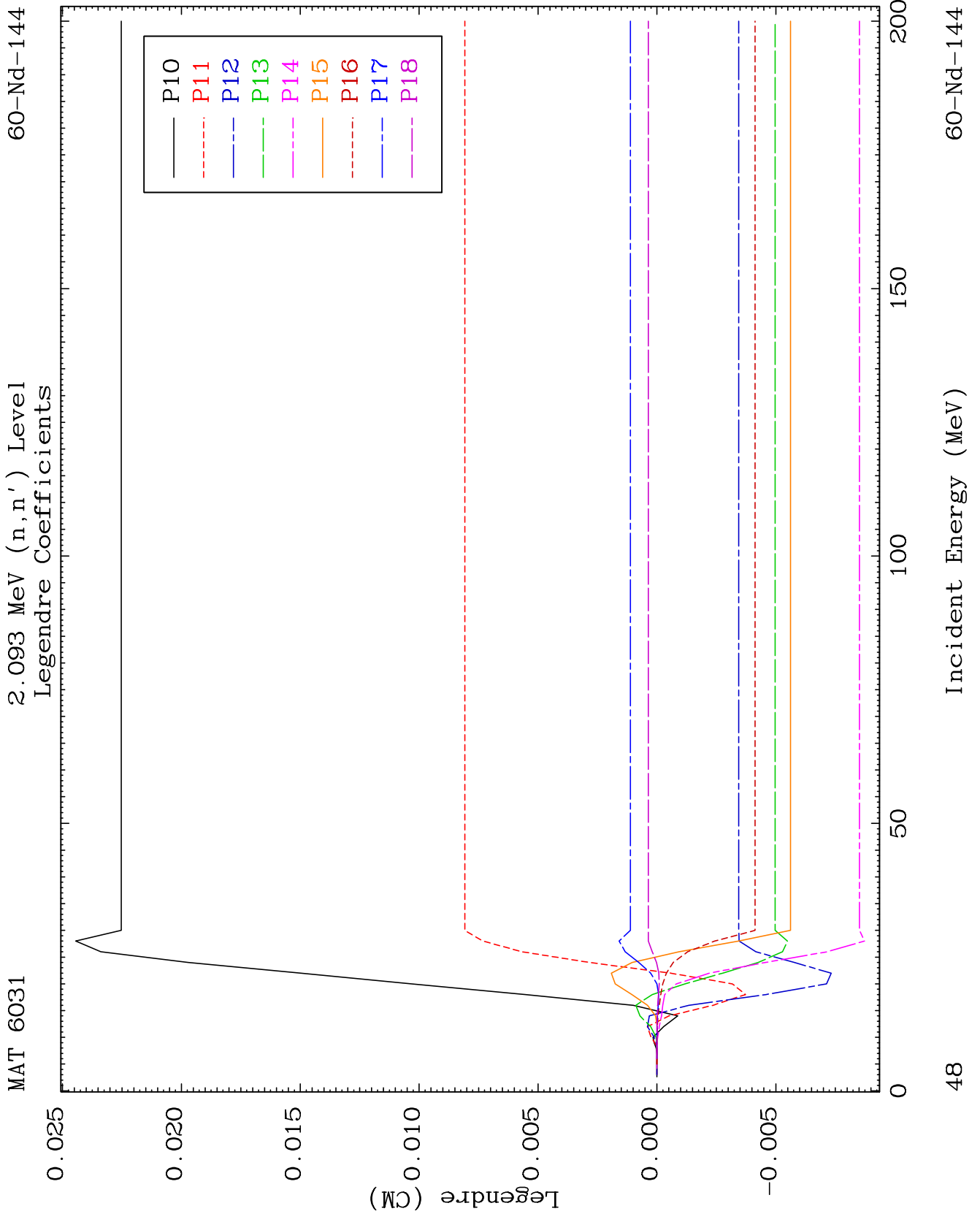
60-Nd-144







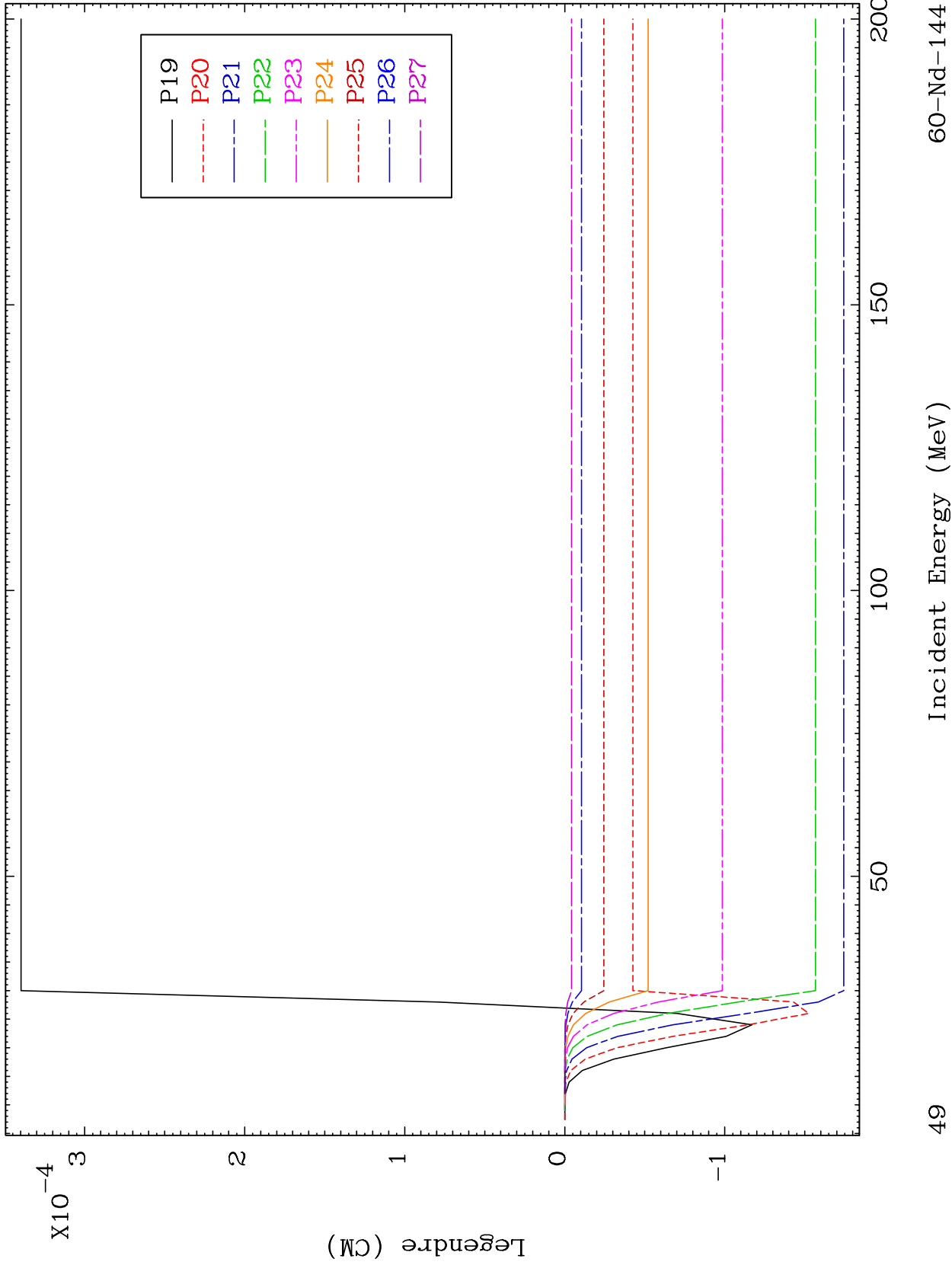




MAT 6031

2.093 MeV (n, n') Level
Legendre Coefficients

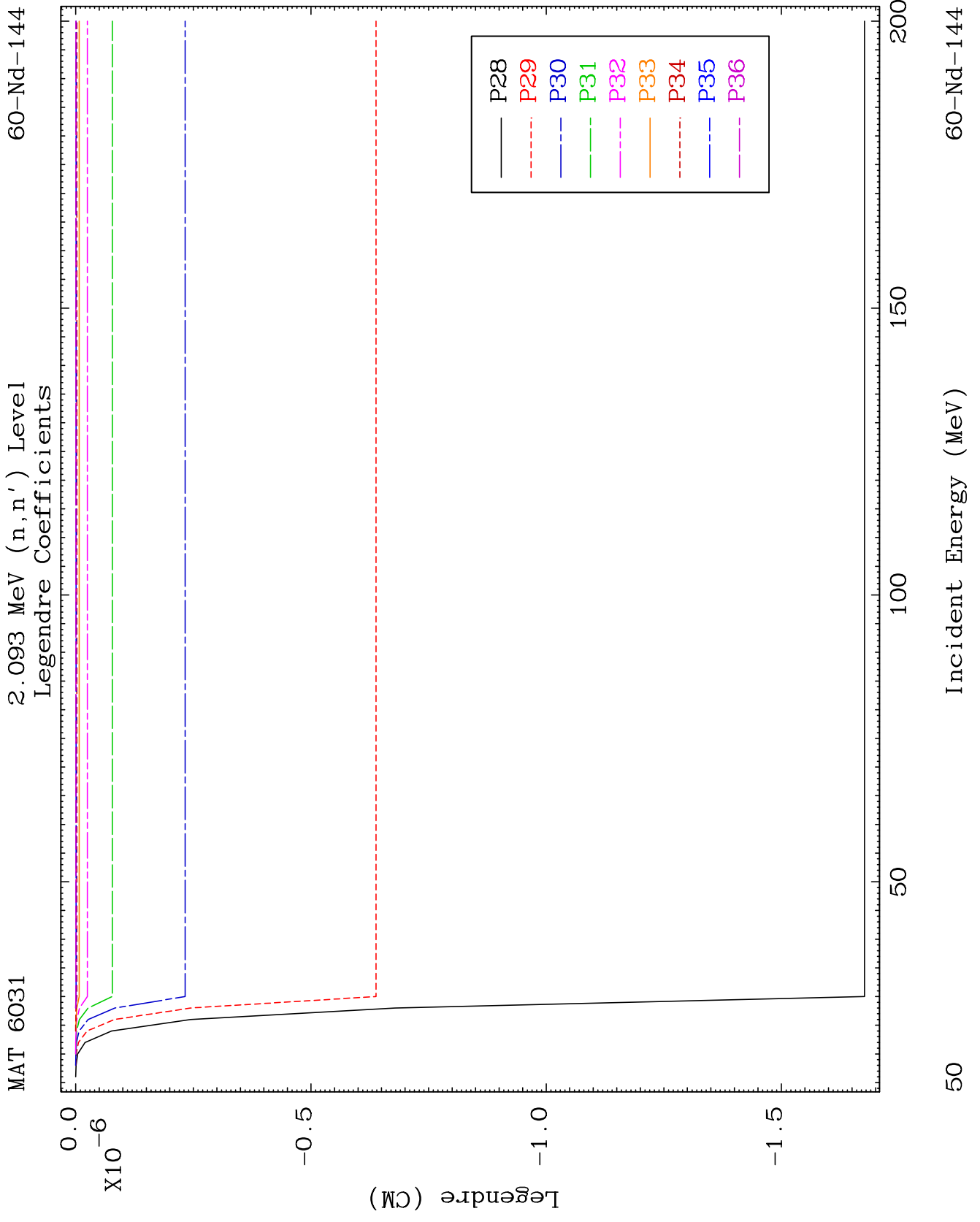
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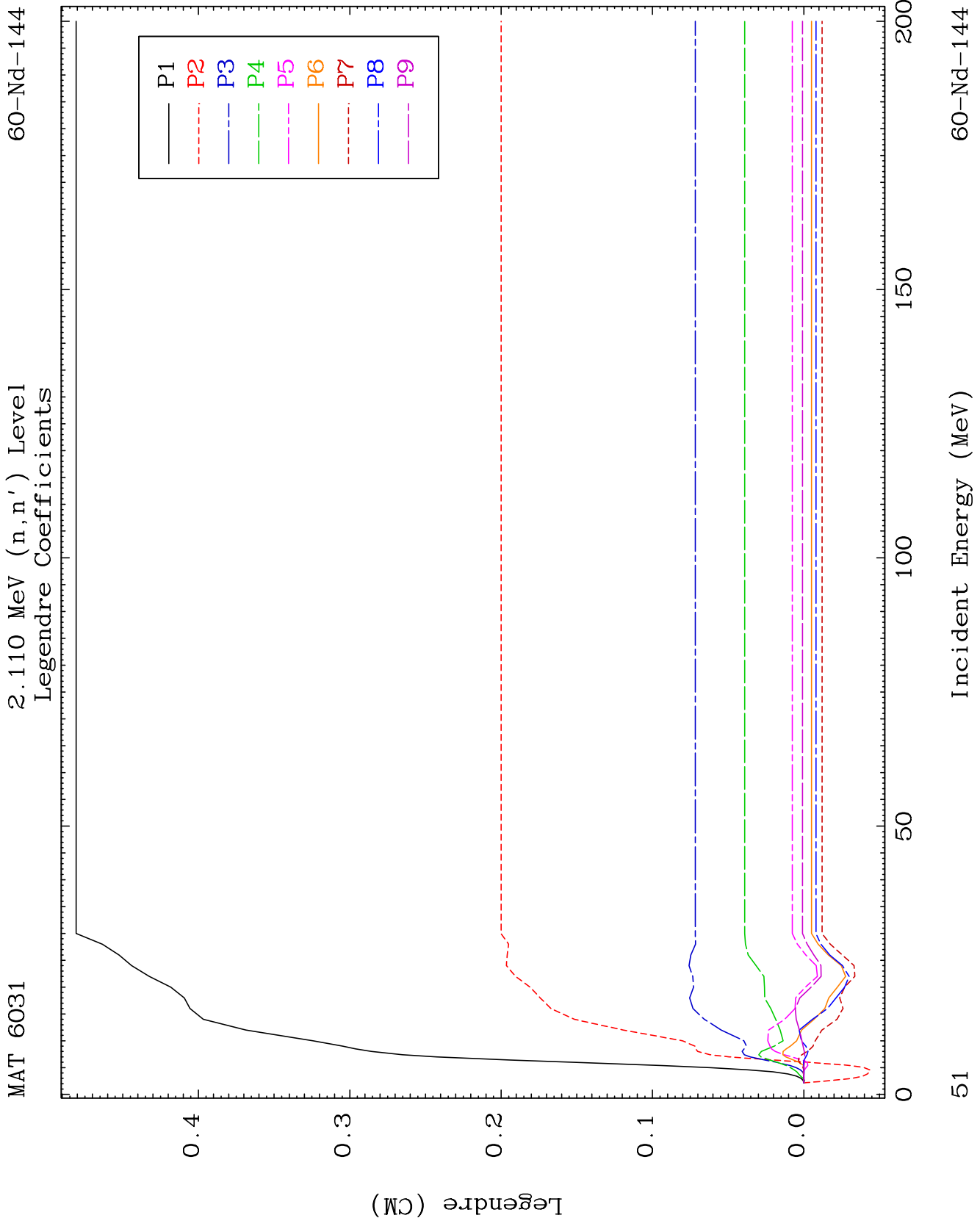


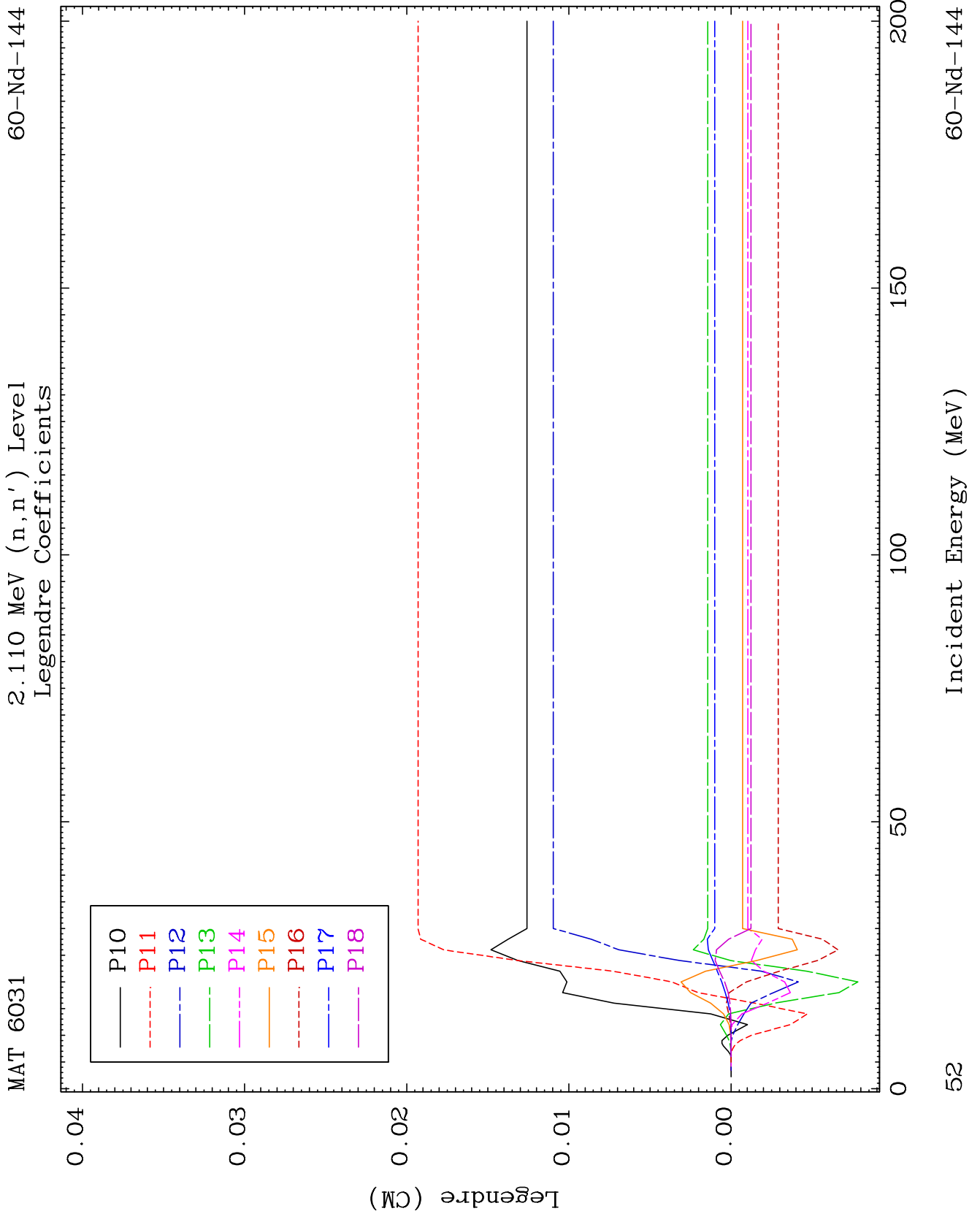
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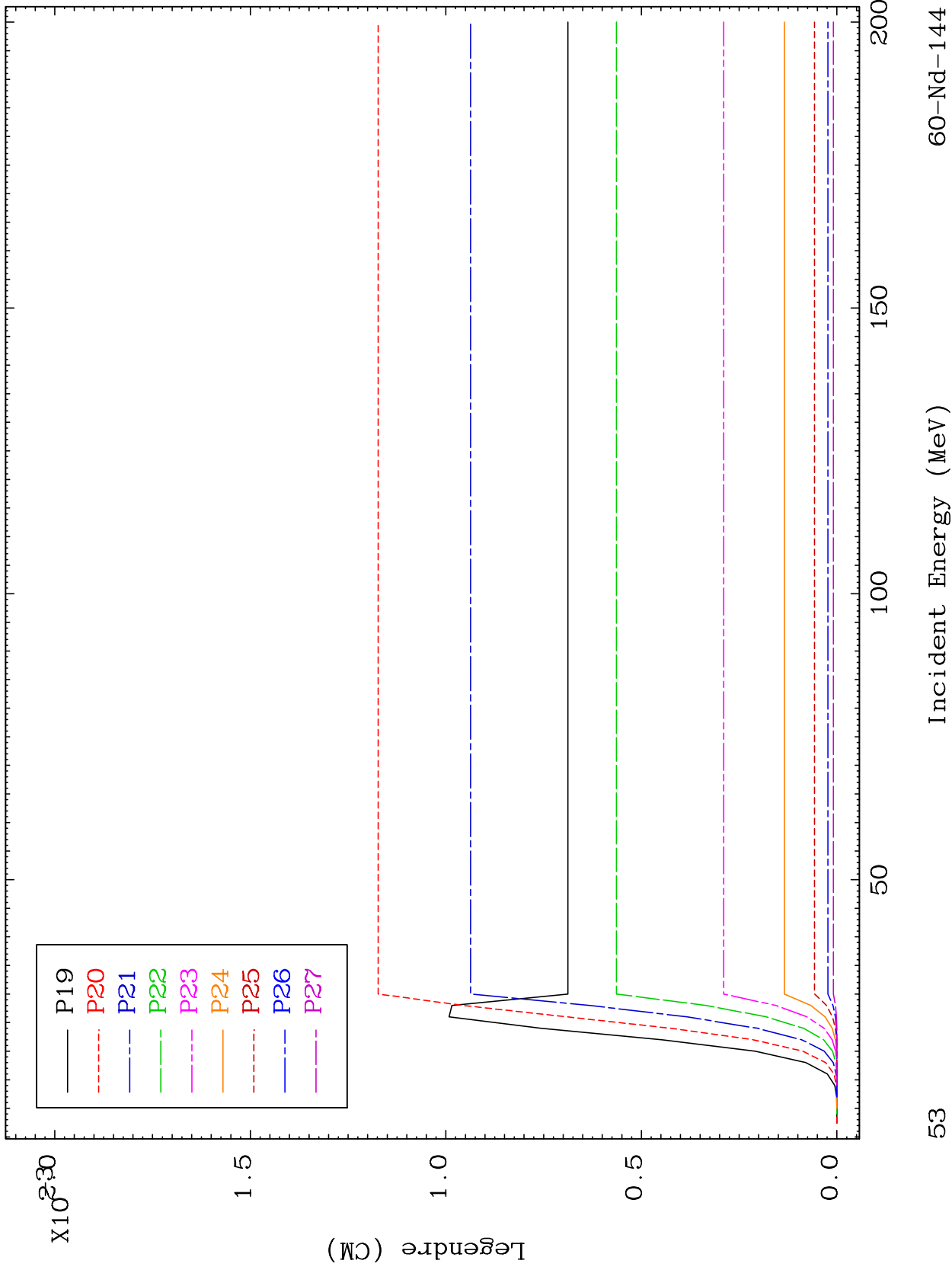
Incident Energy (MeV)

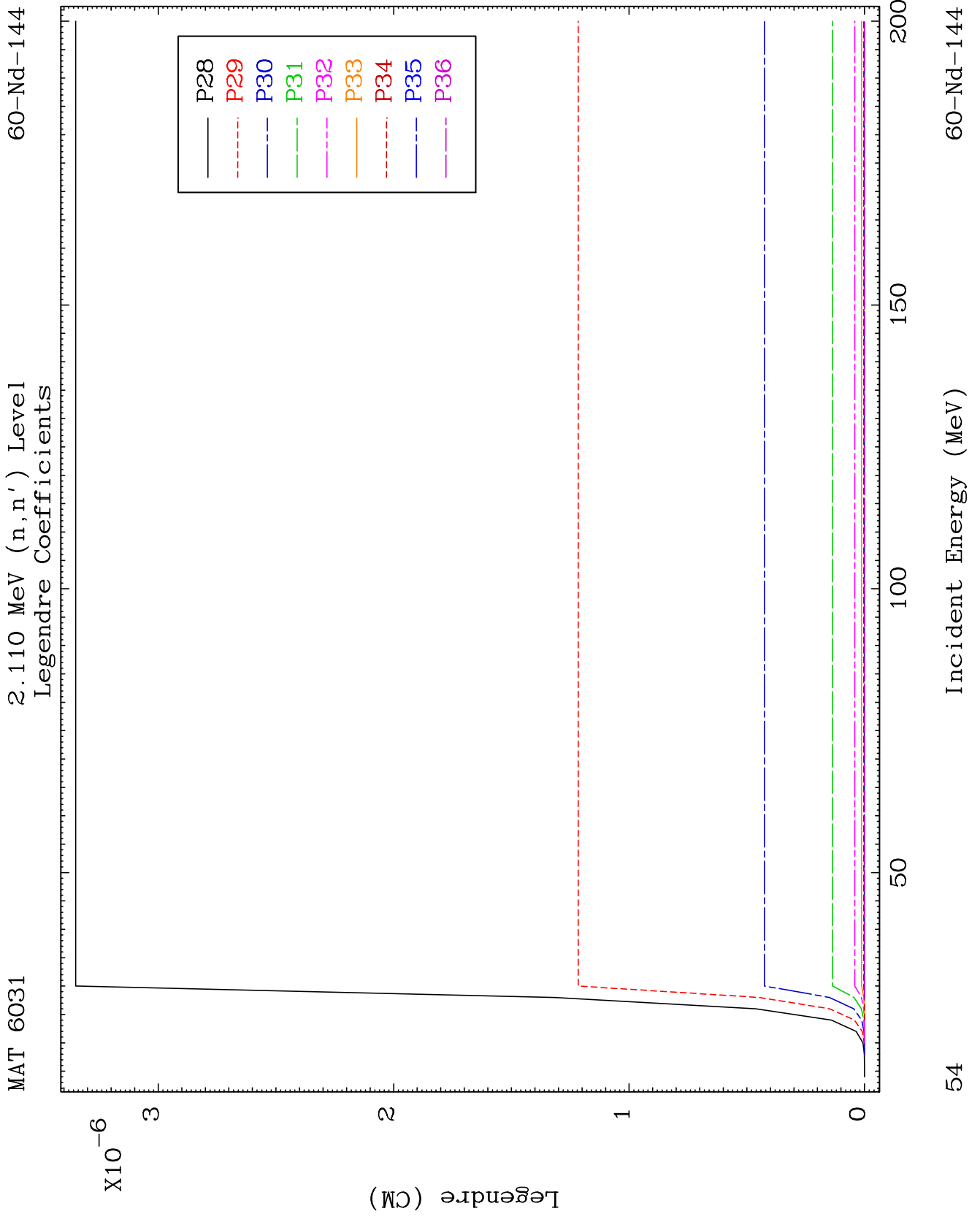
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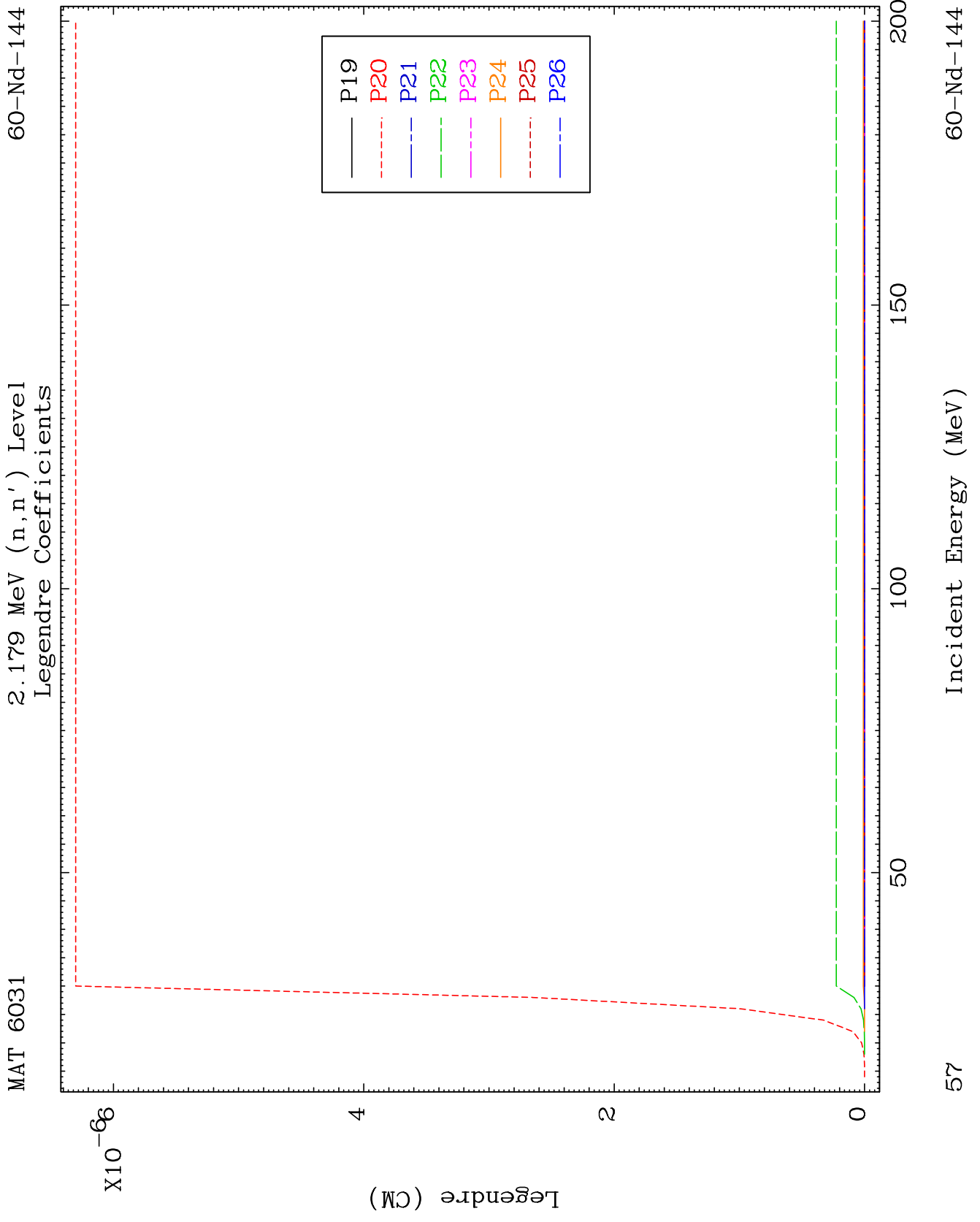


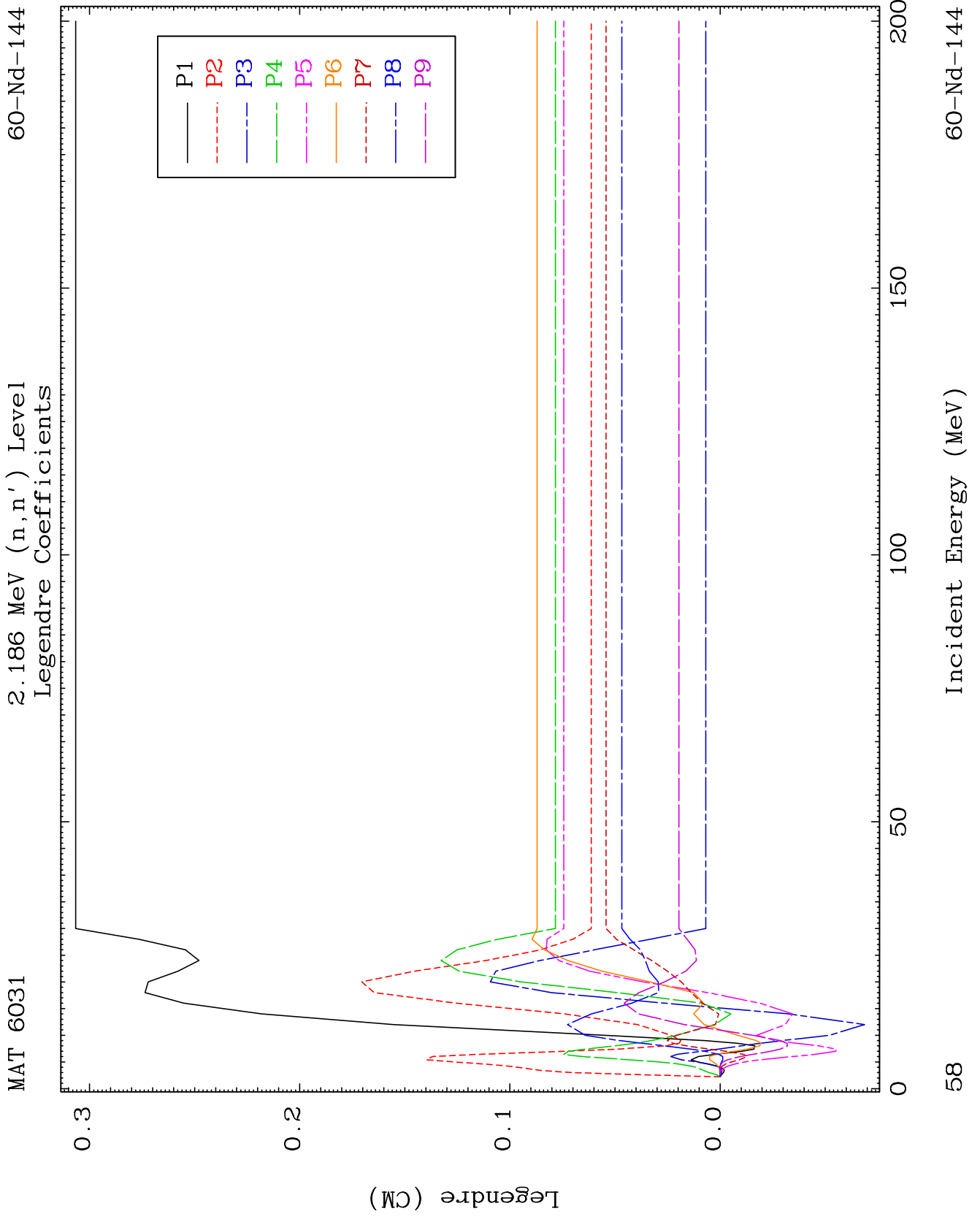








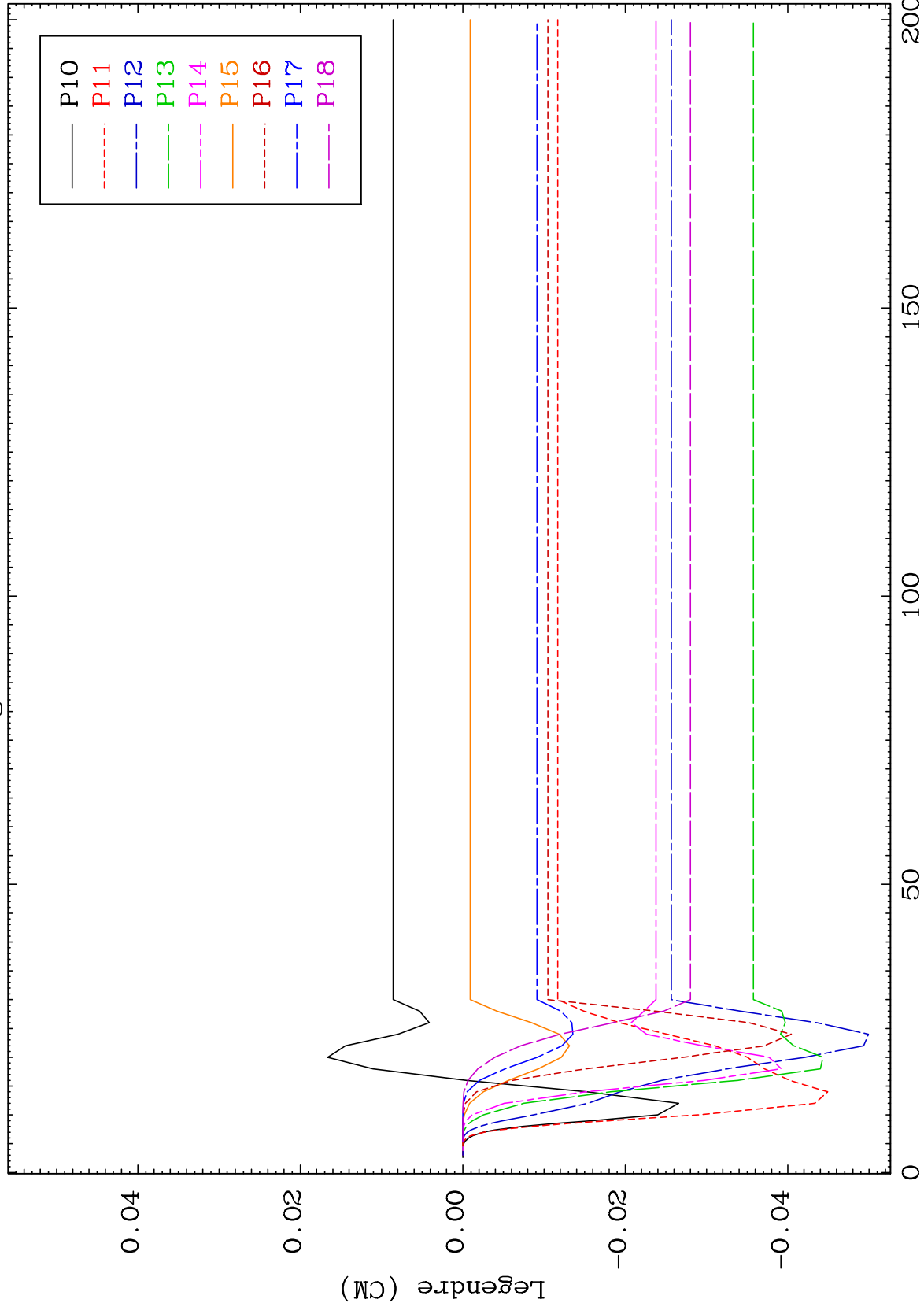




MAT 6031

2.186 MeV (n,n') Level
Legendre Coefficients

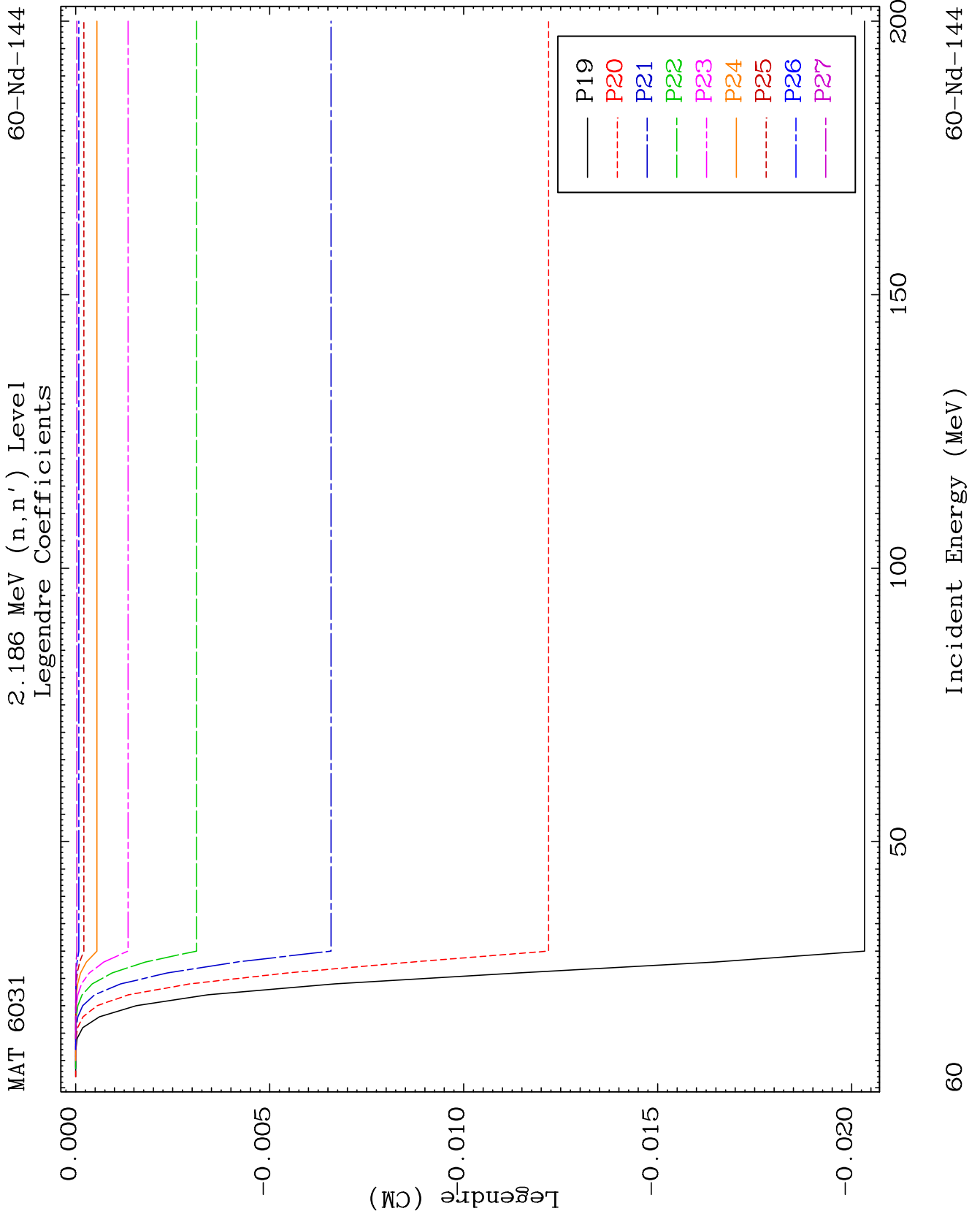
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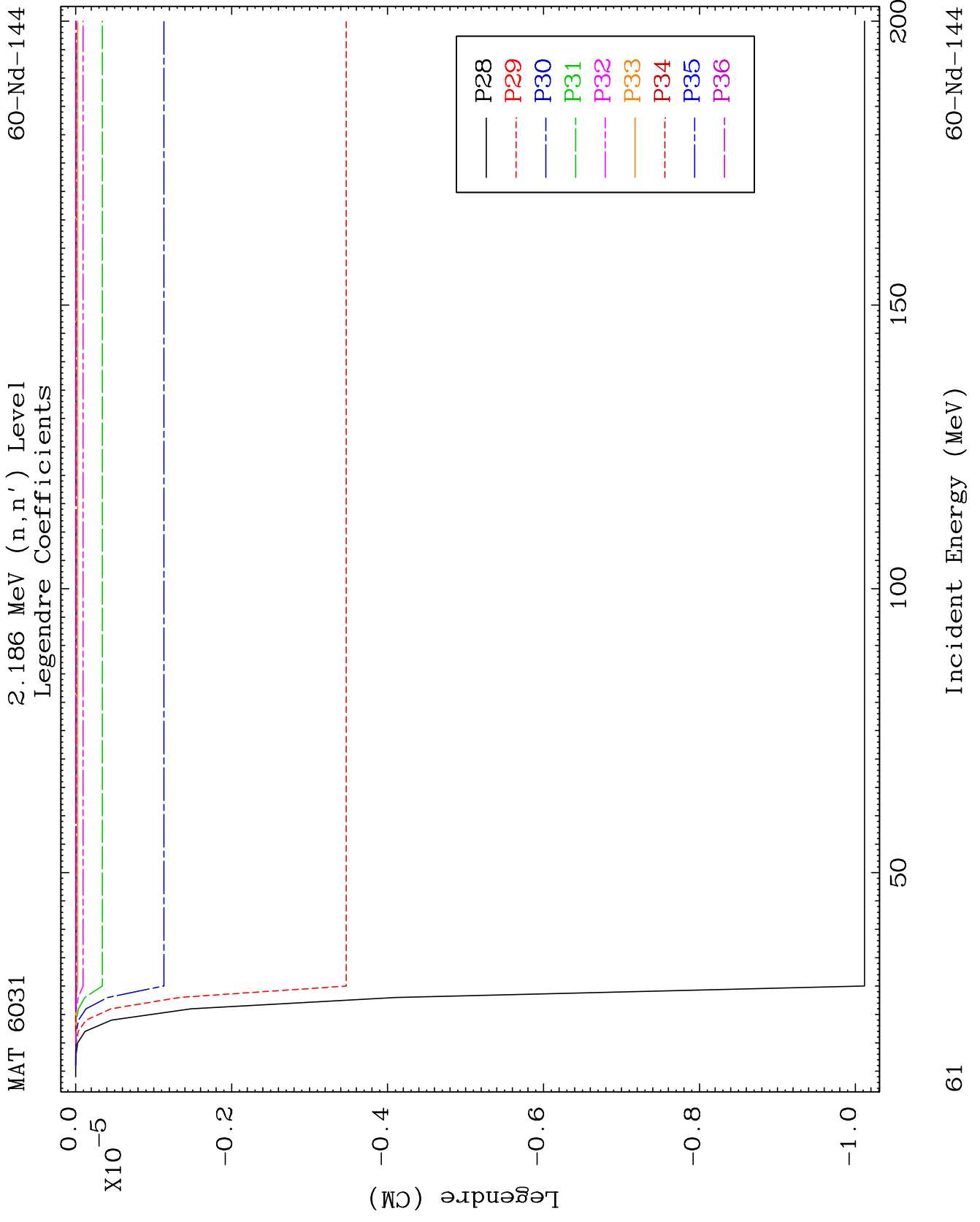


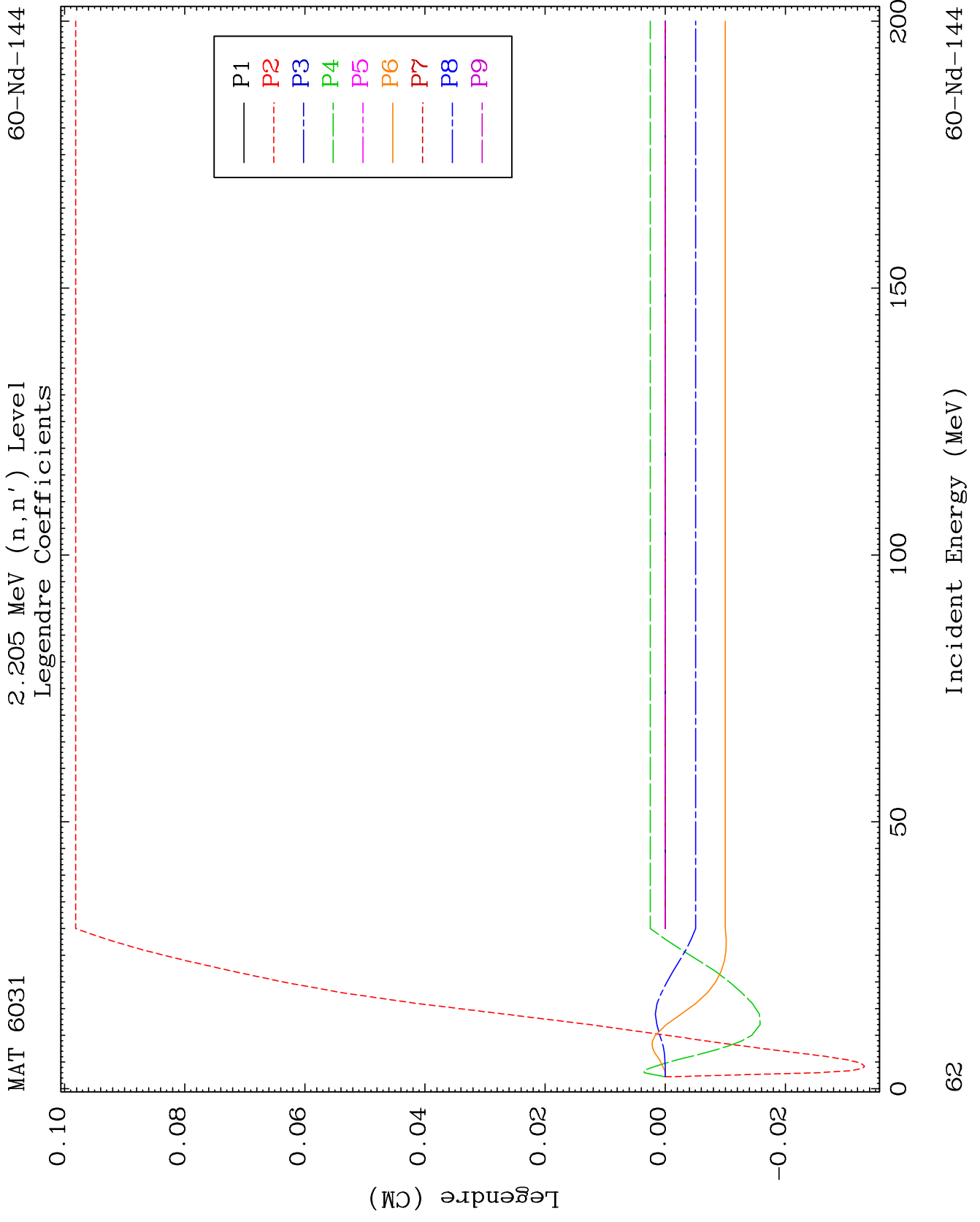
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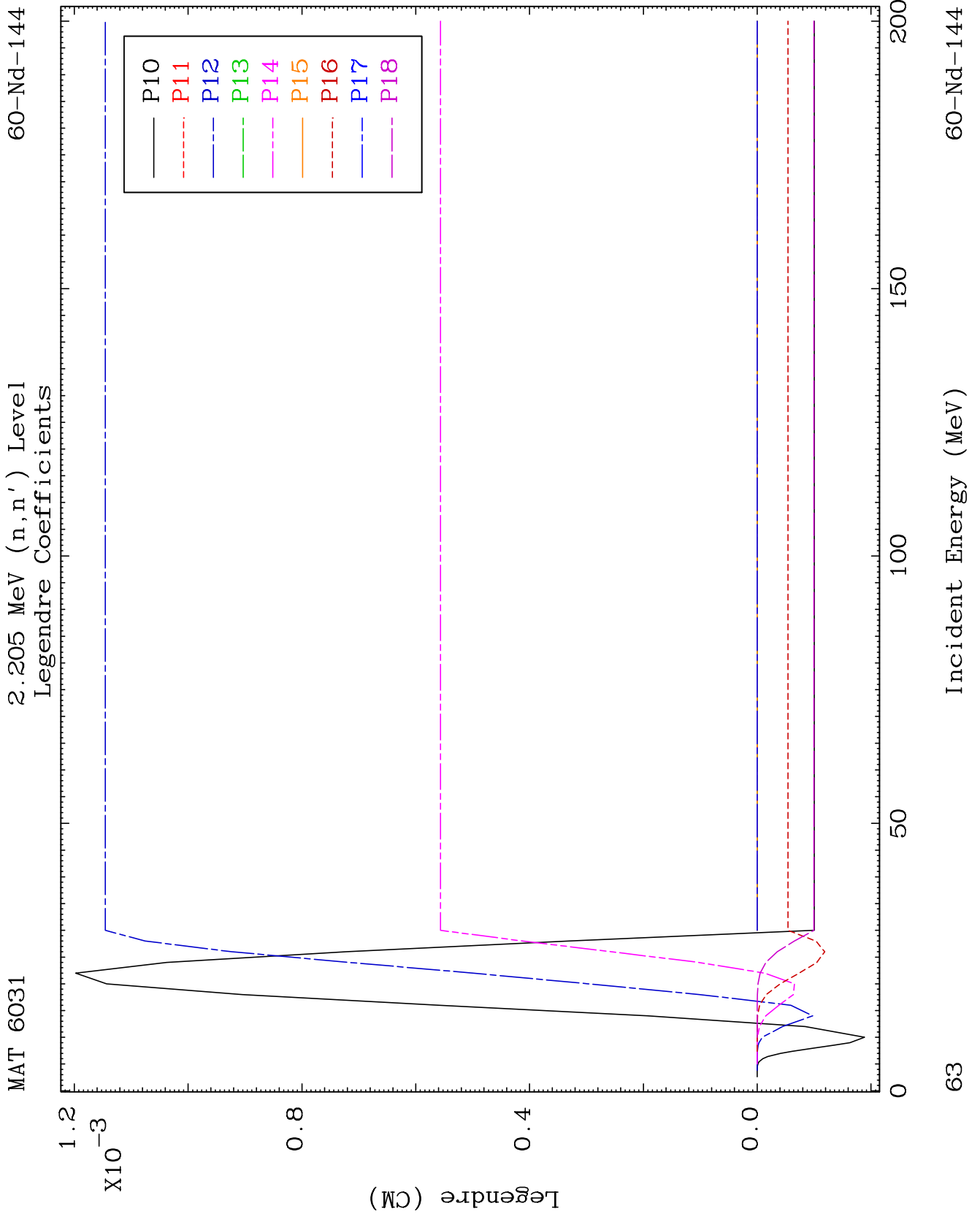
Incident Energy (MeV)

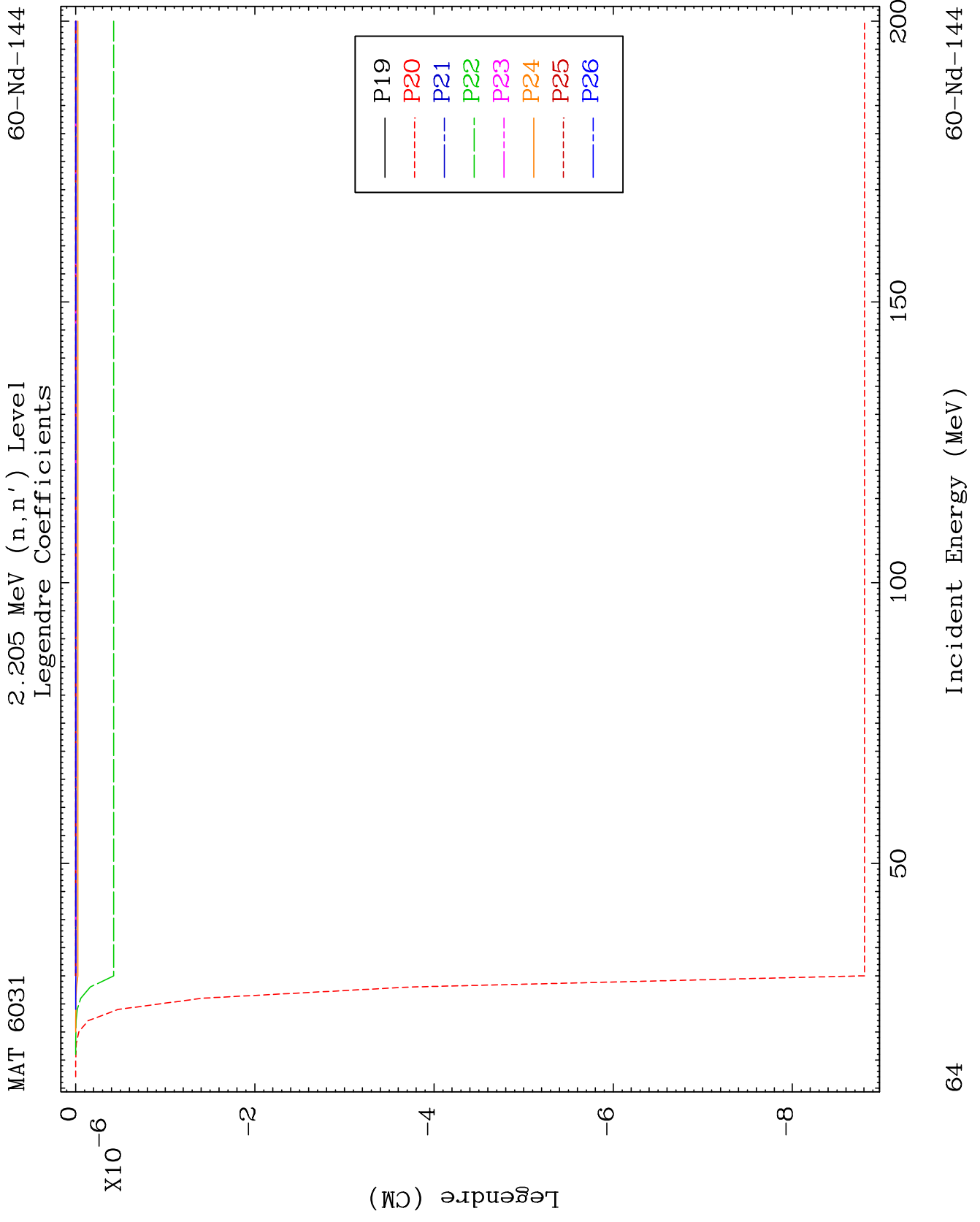
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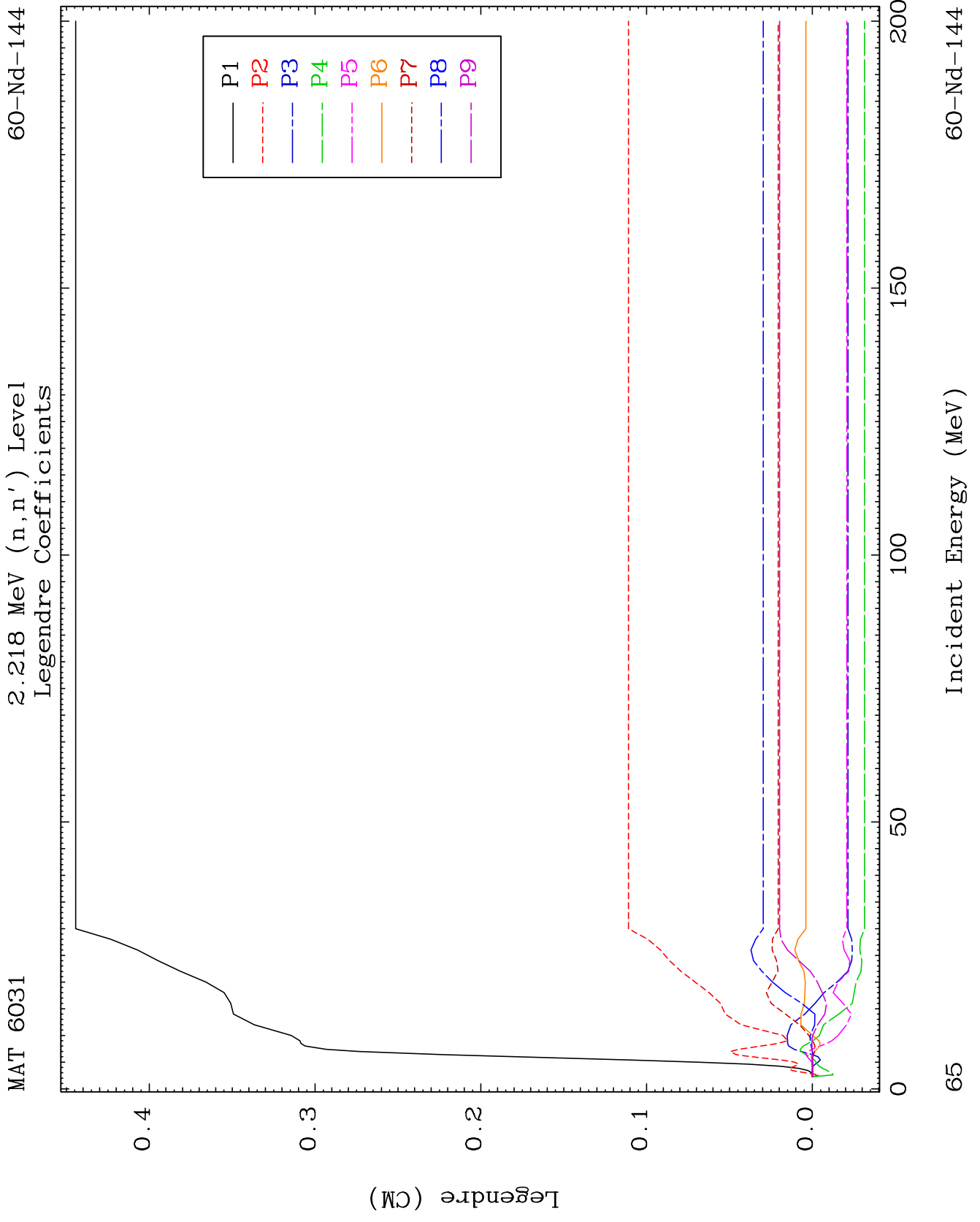


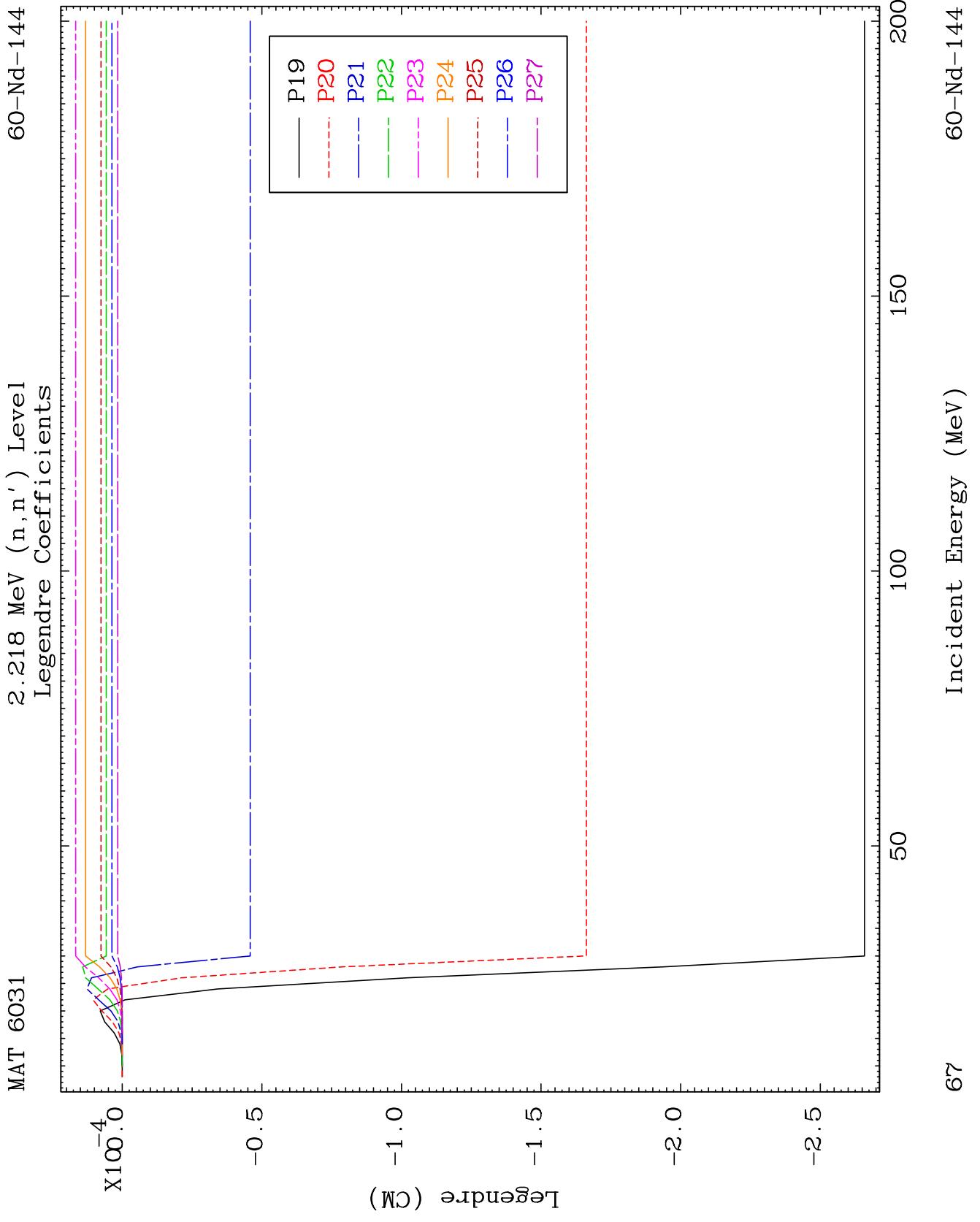


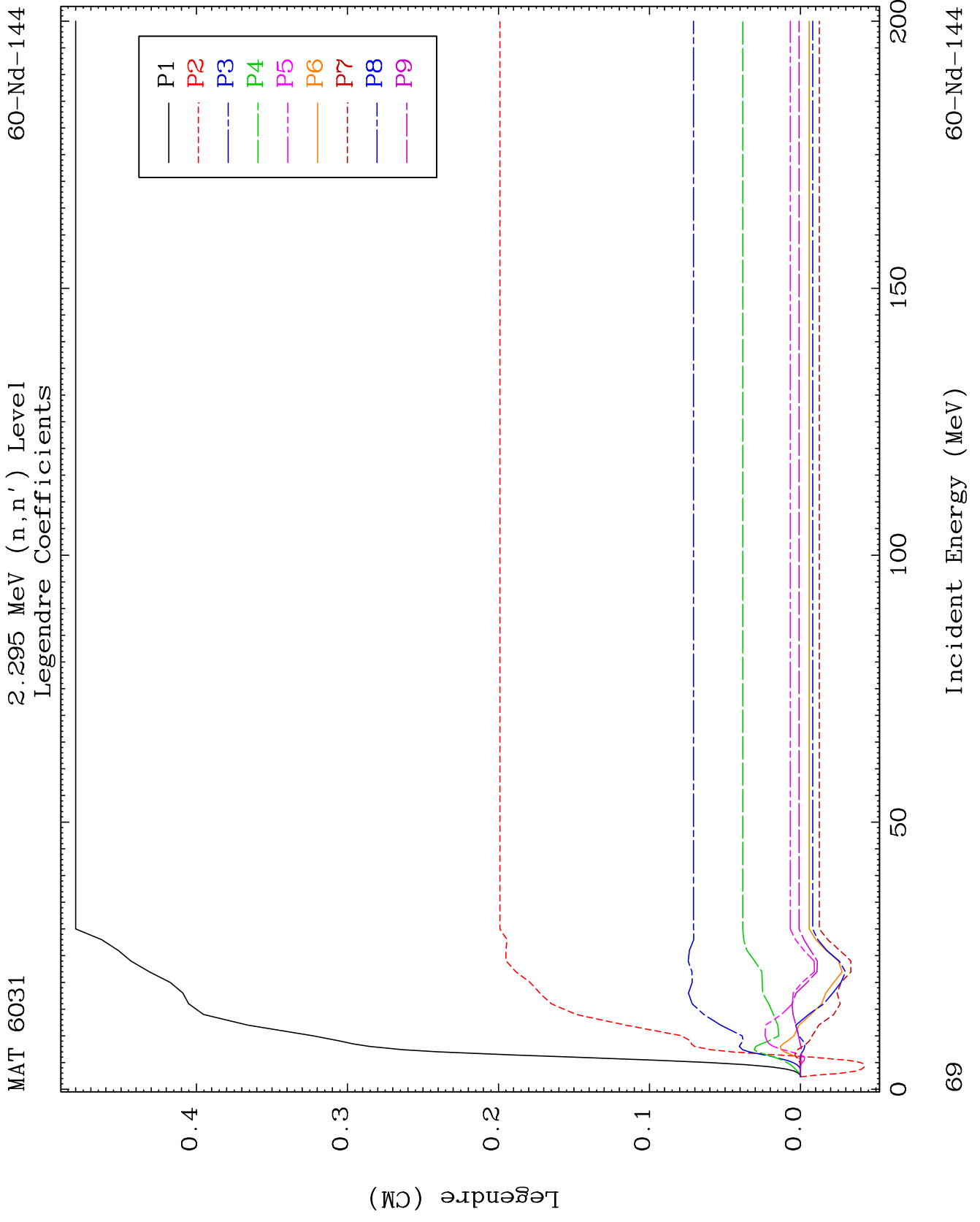


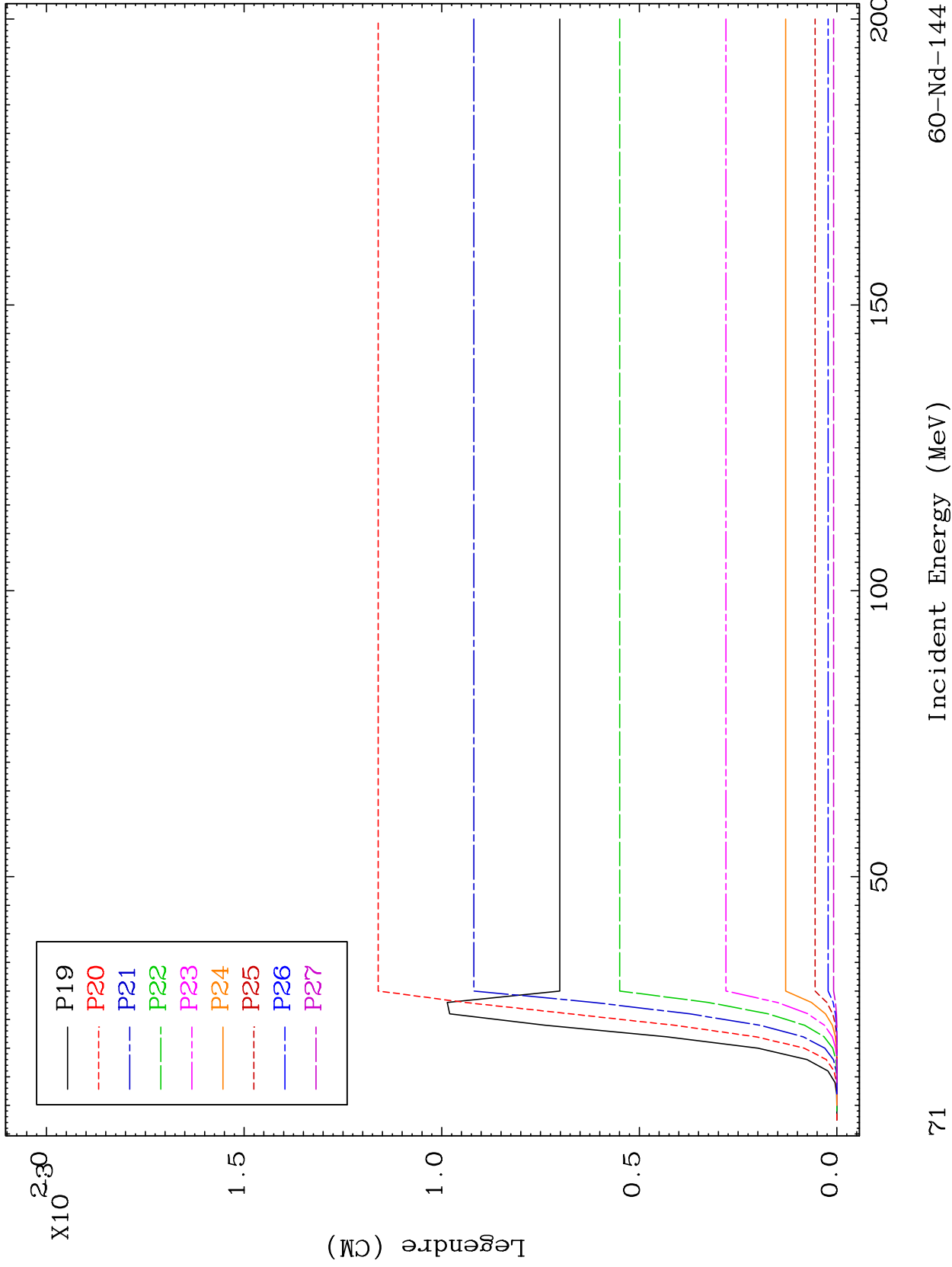


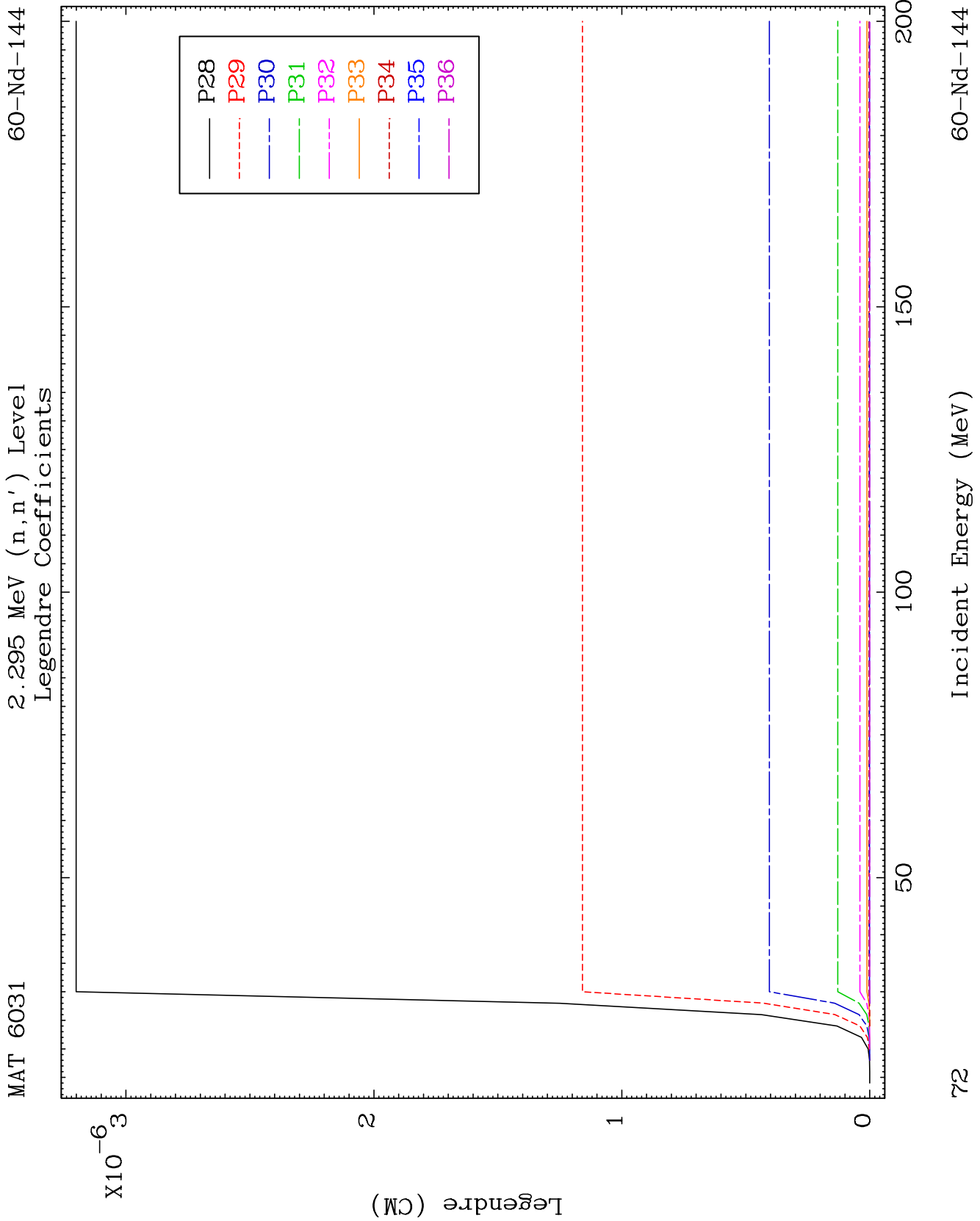








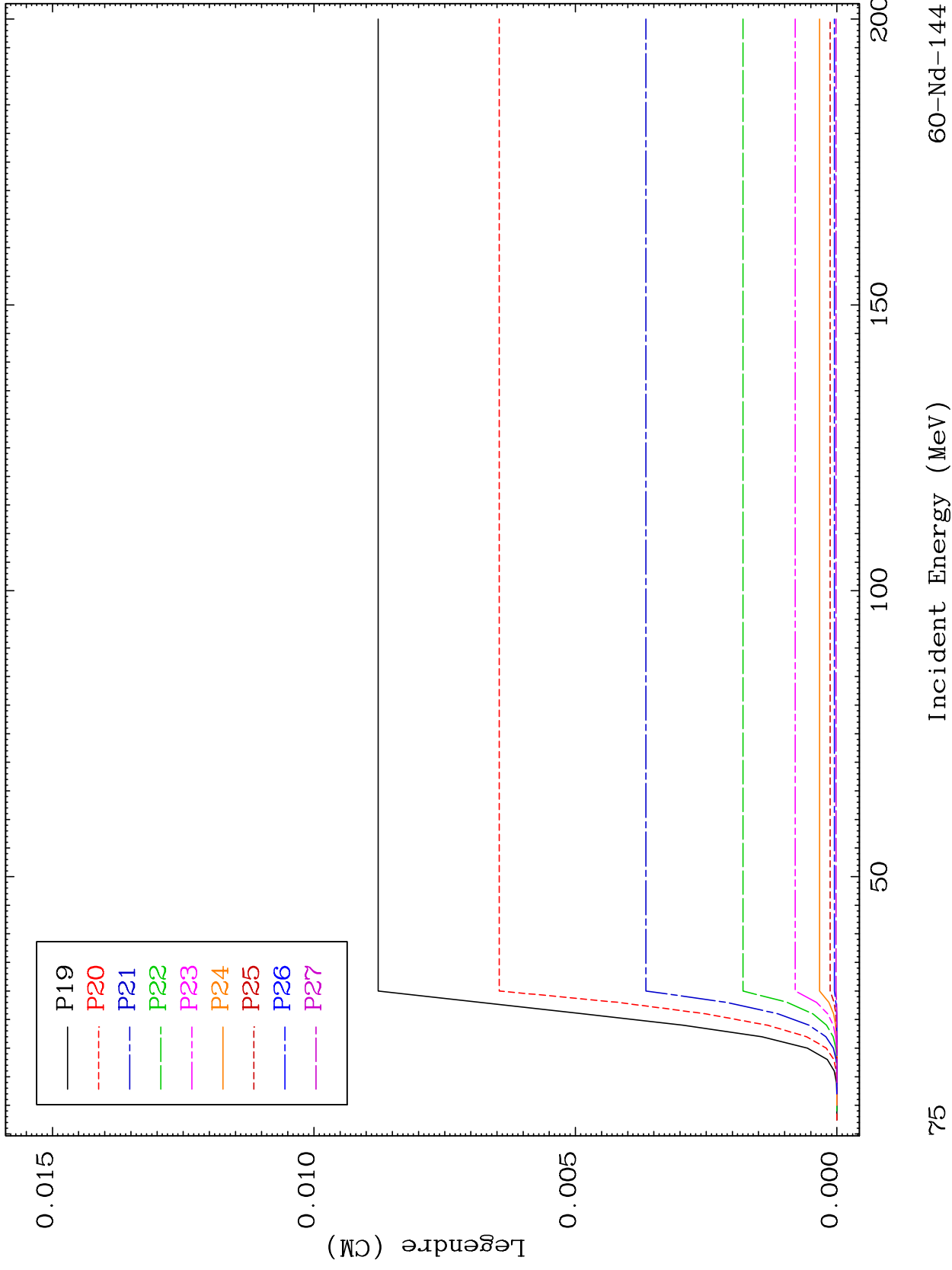




MAT 6031

2.322 MeV (n,n') Level
Legendre Coefficients

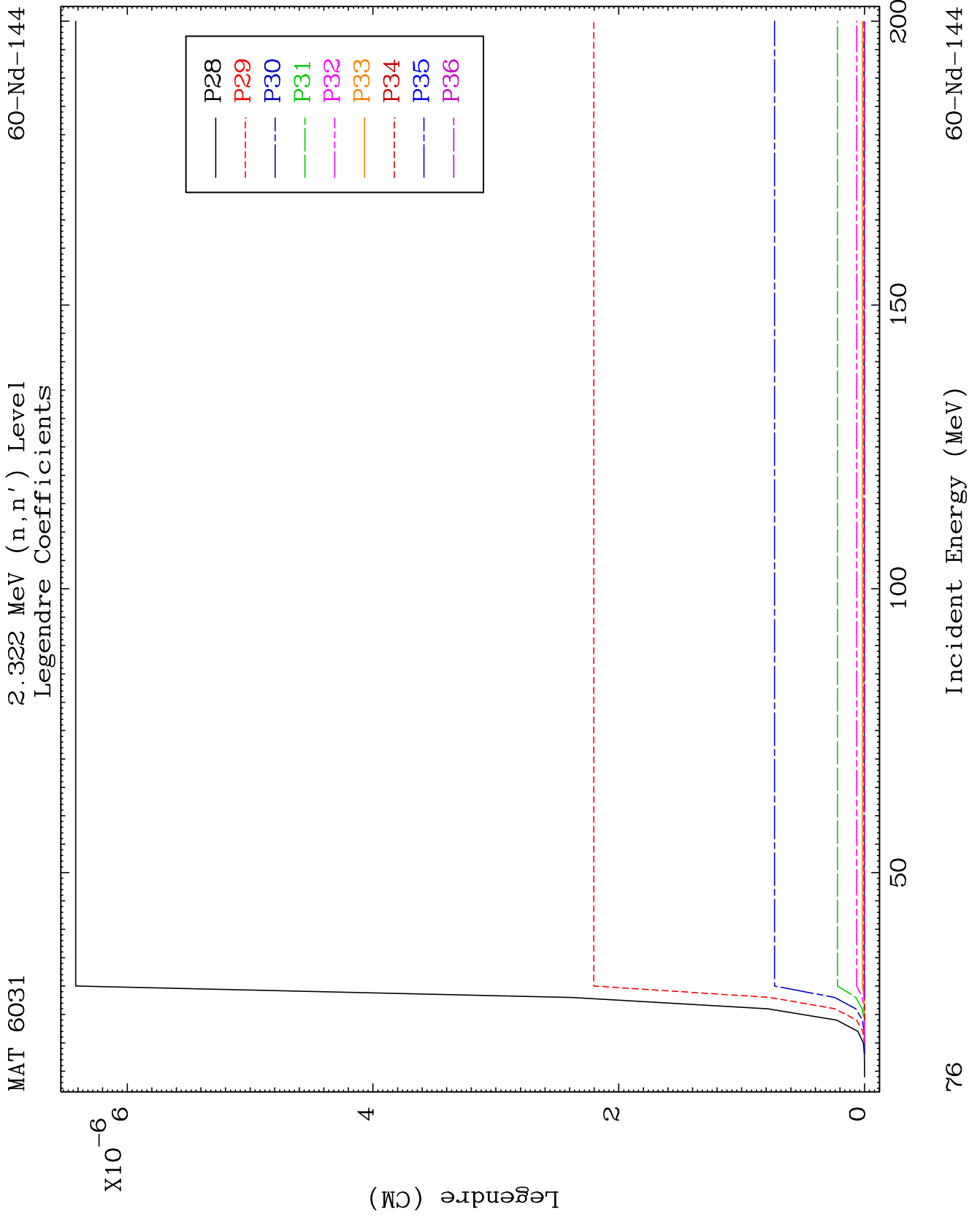
60-Nd-144

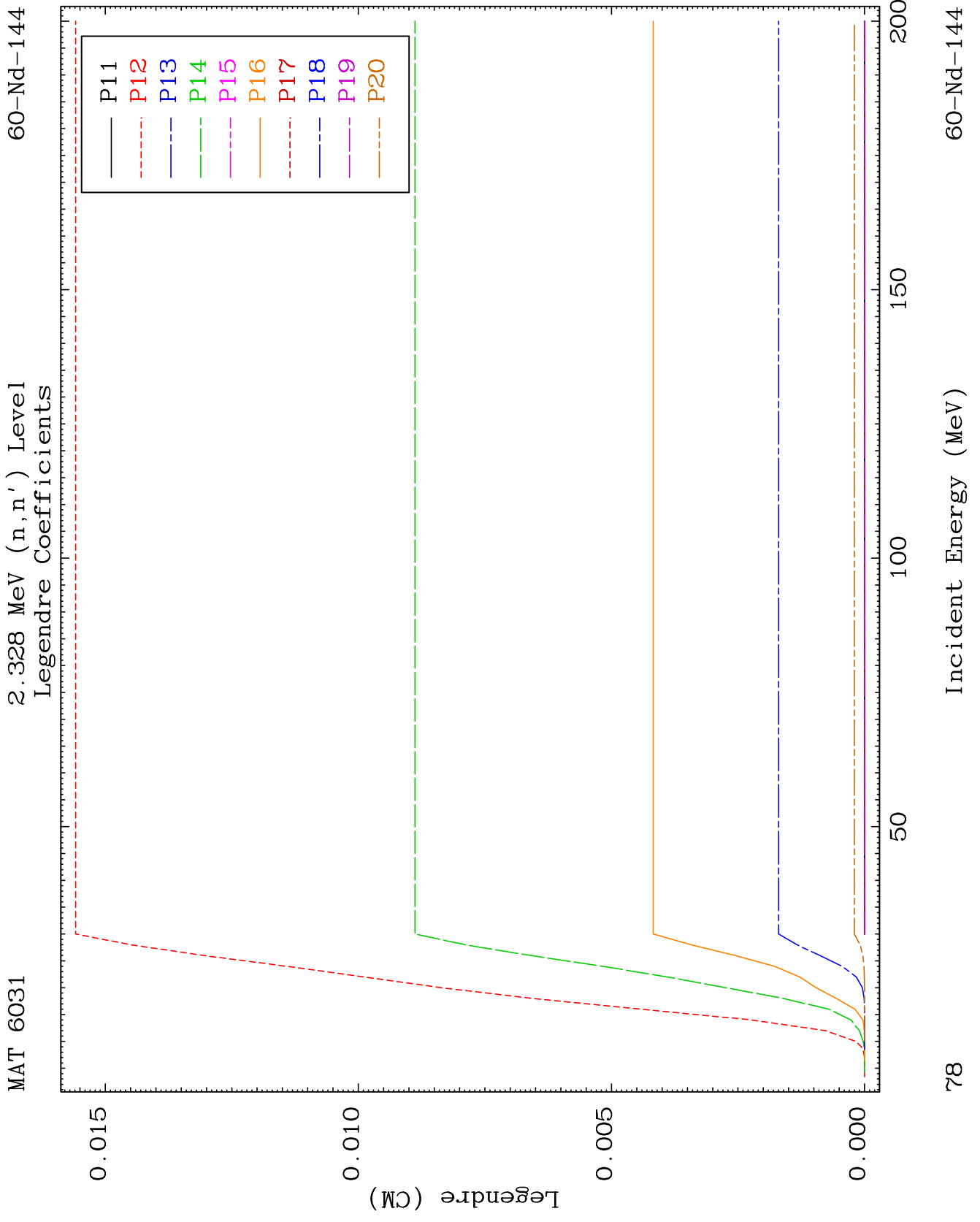


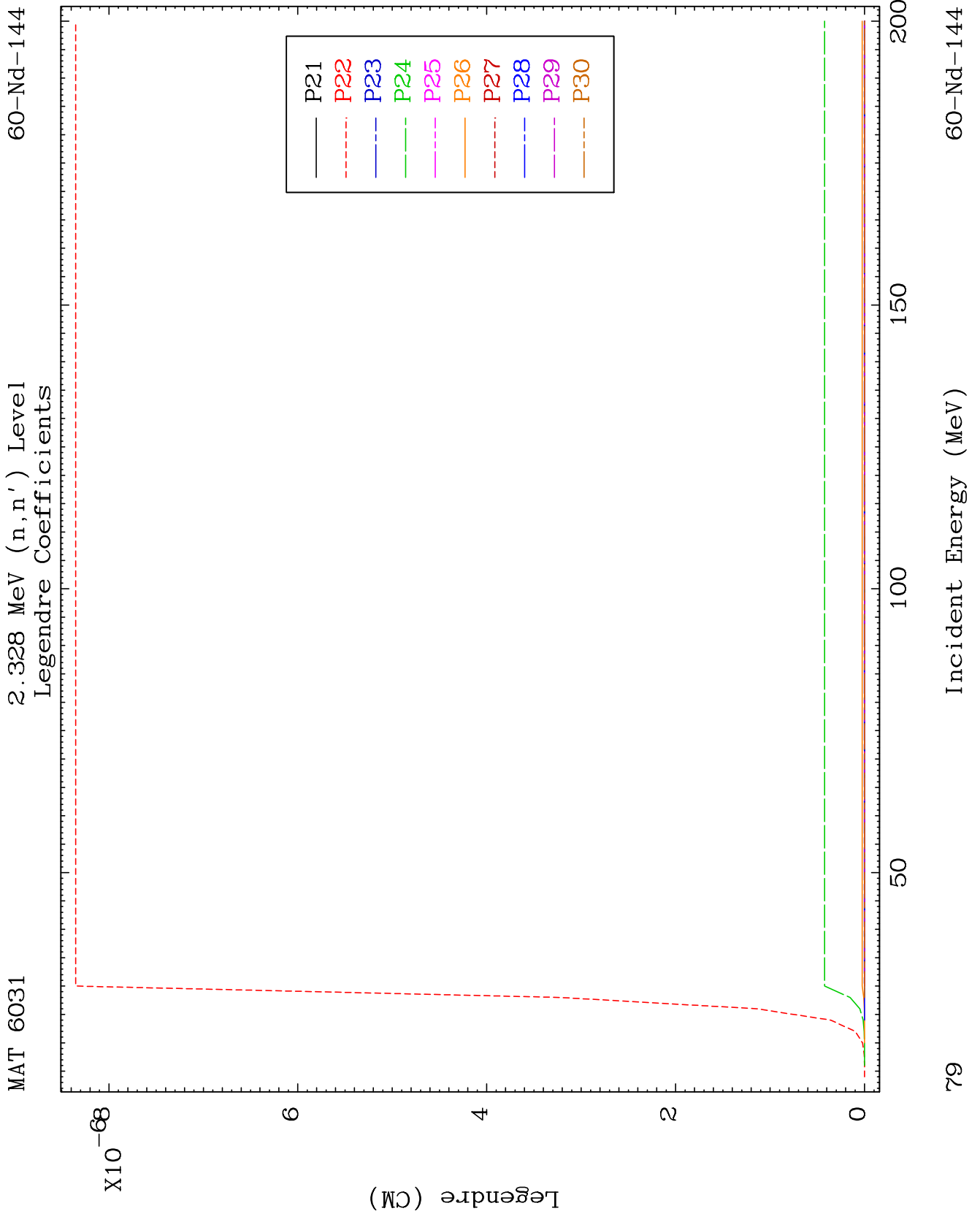
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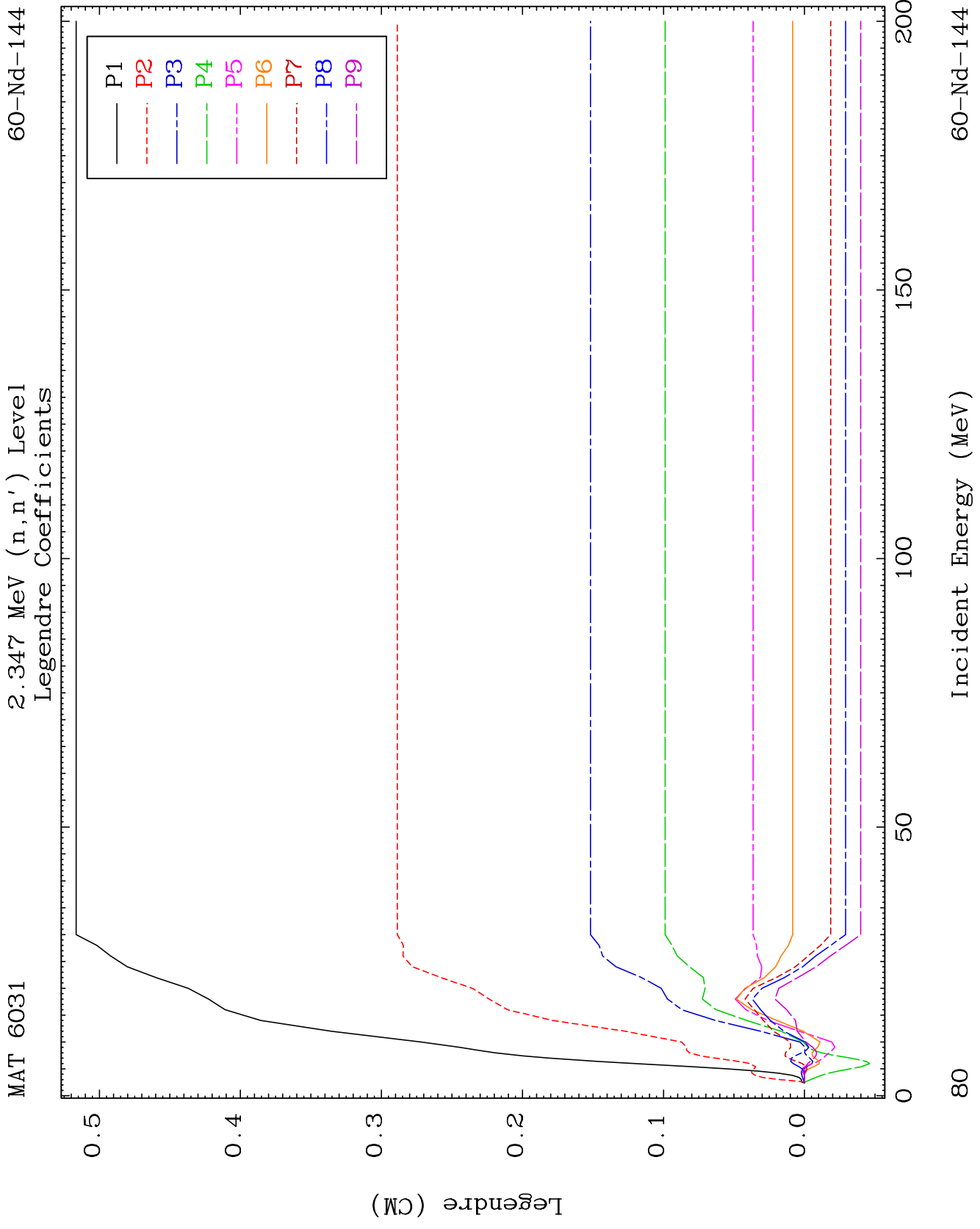
Incident Energy (MeV)

60-Nd-144





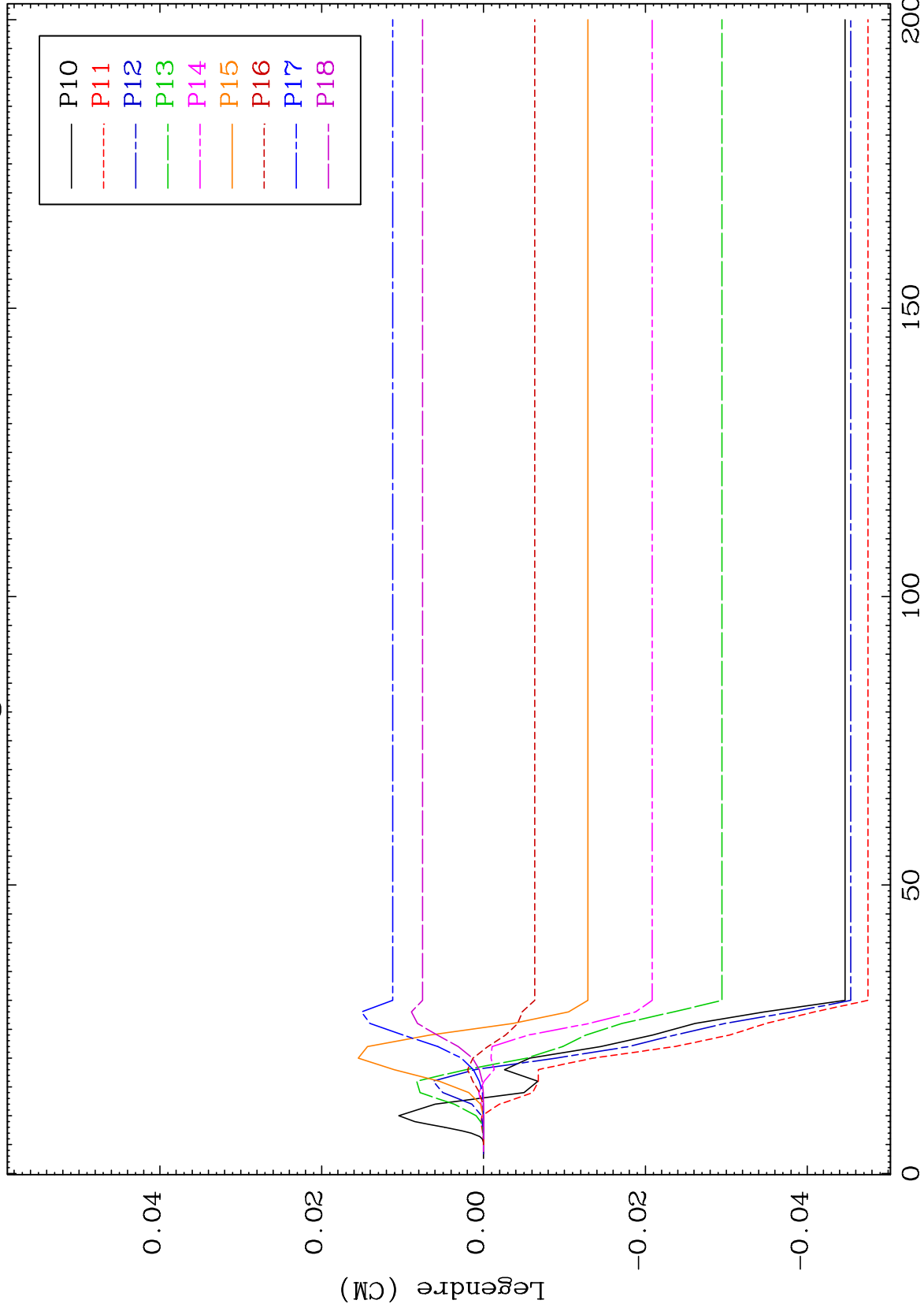




MAT 6031

2.347 MeV (n,n') Level
Legendre Coefficients

60-Nd-144



81

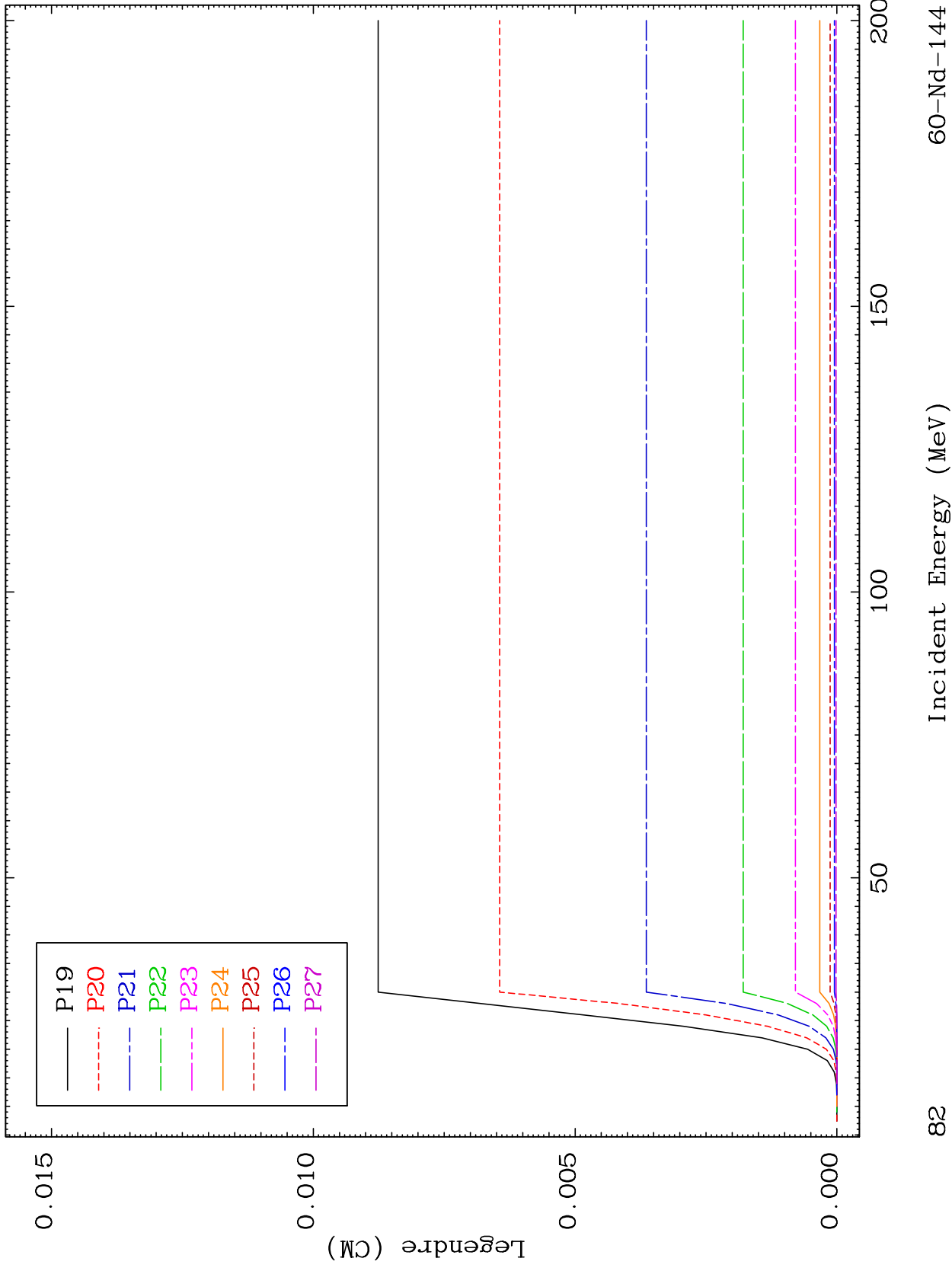
Incident Energy (MeV)

60-Nd-144

MAT 6031

2.347 MeV (n, n') Level
Legendre Coefficients

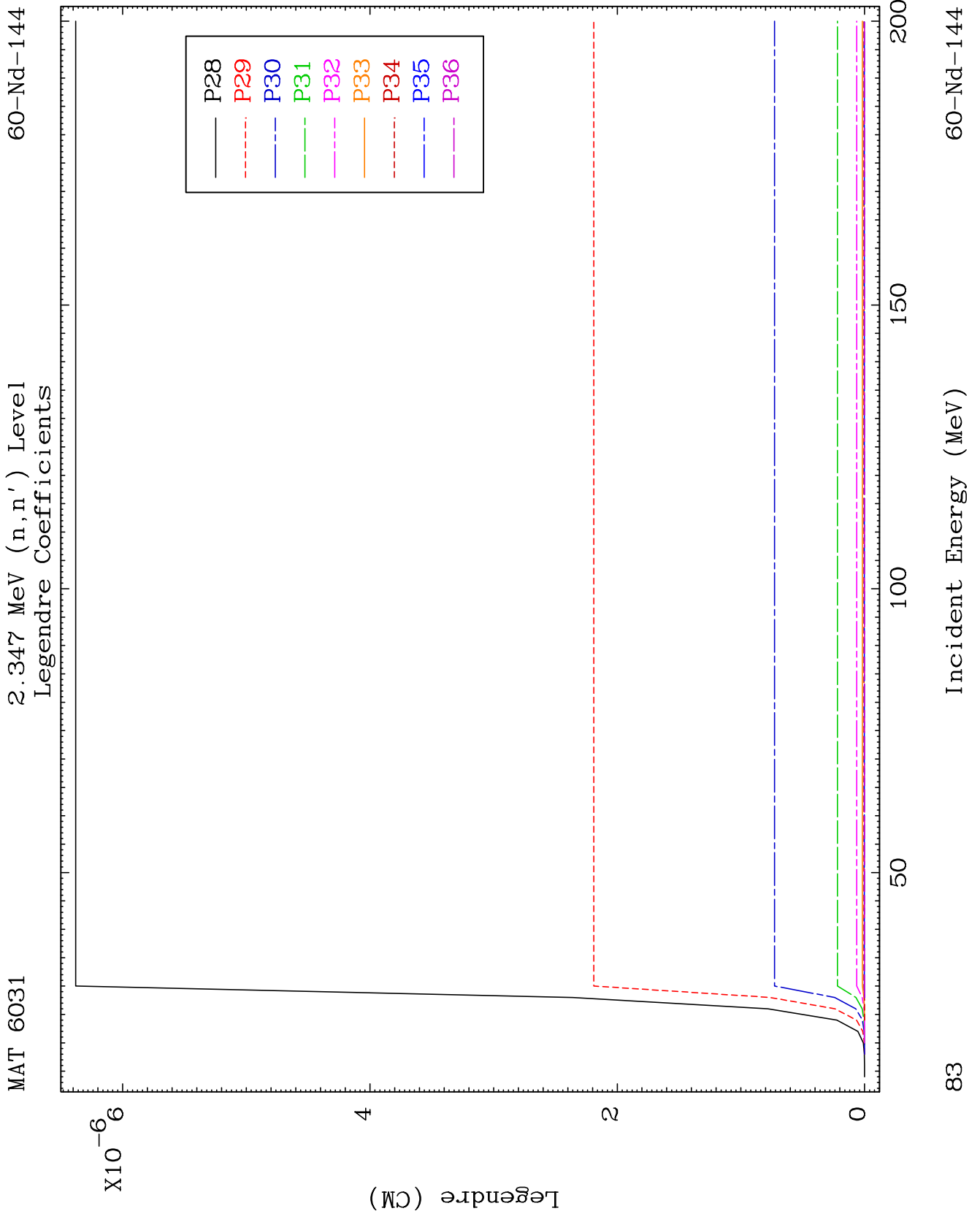
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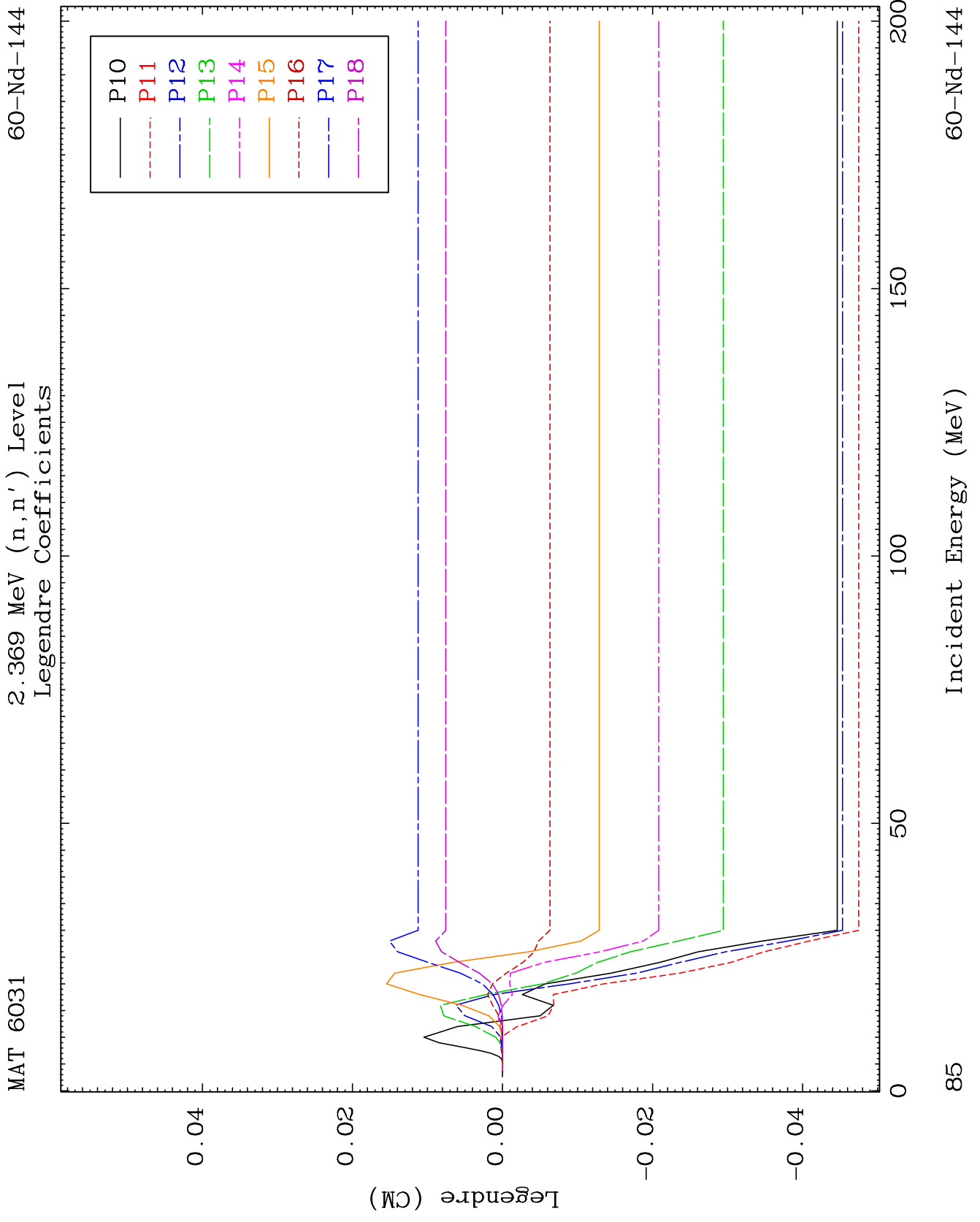


82

Incident Energy (MeV)

60-Nd-144

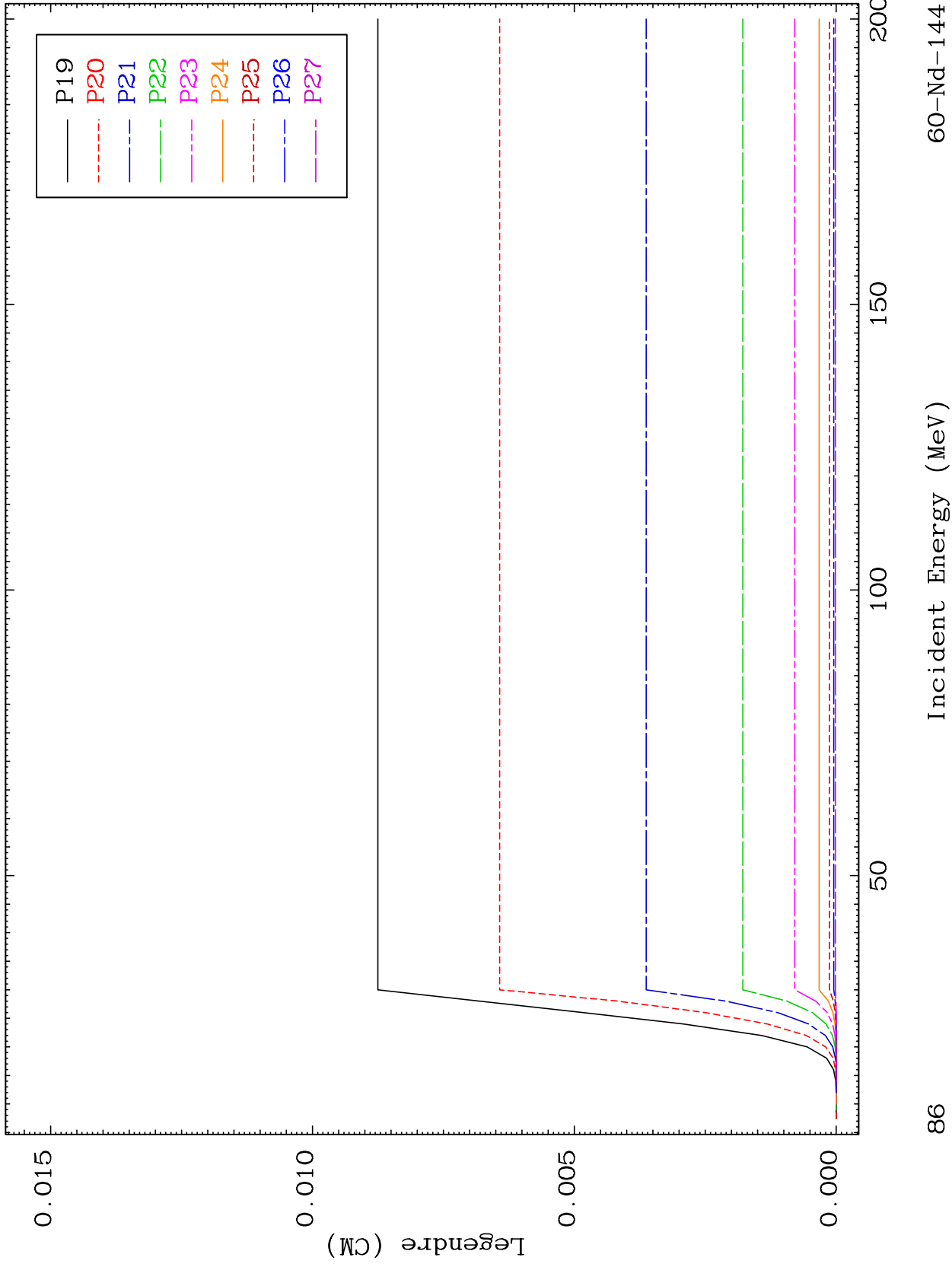




MAT 6031

2.369 MeV (n,n') Level
Legendre Coefficients

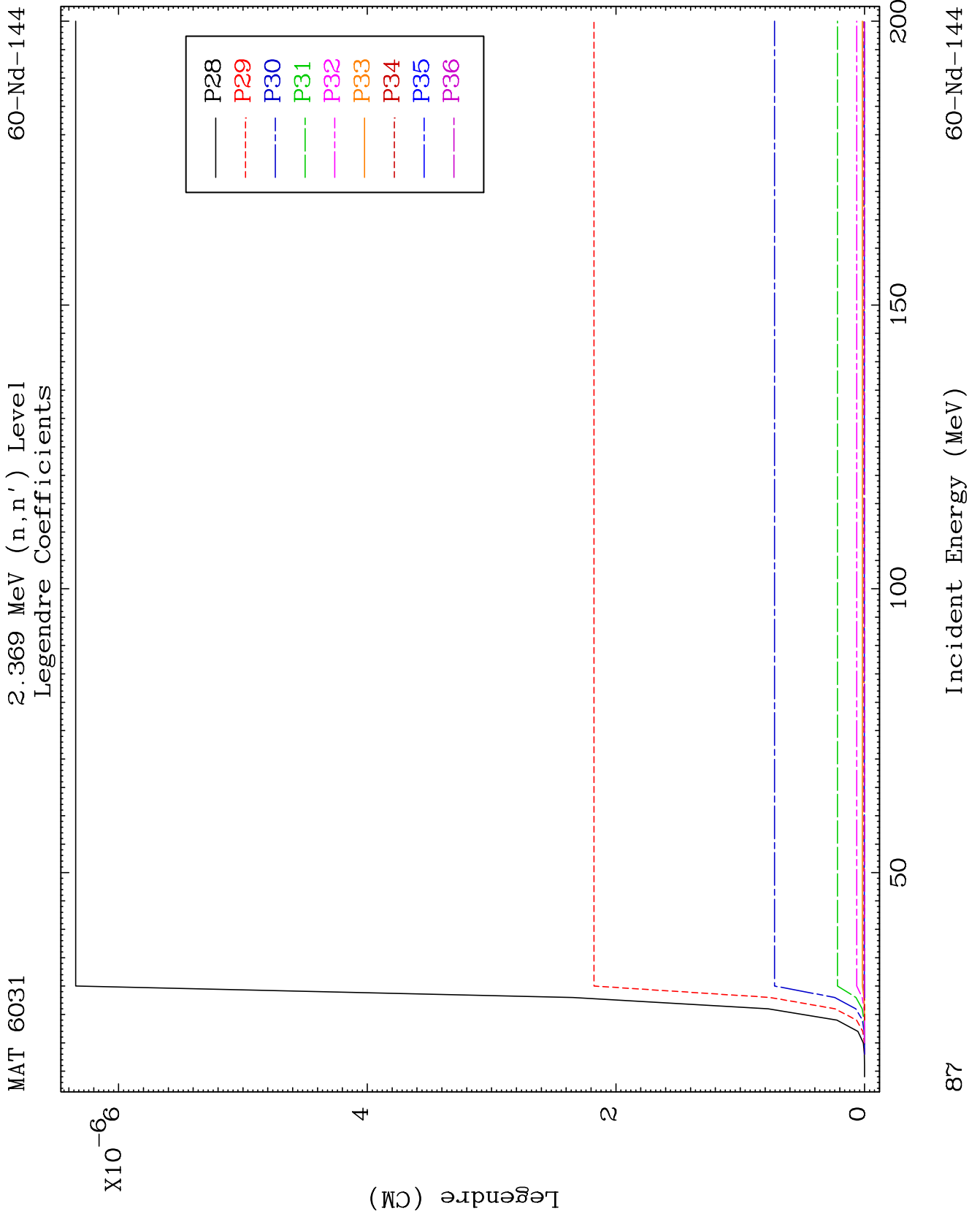
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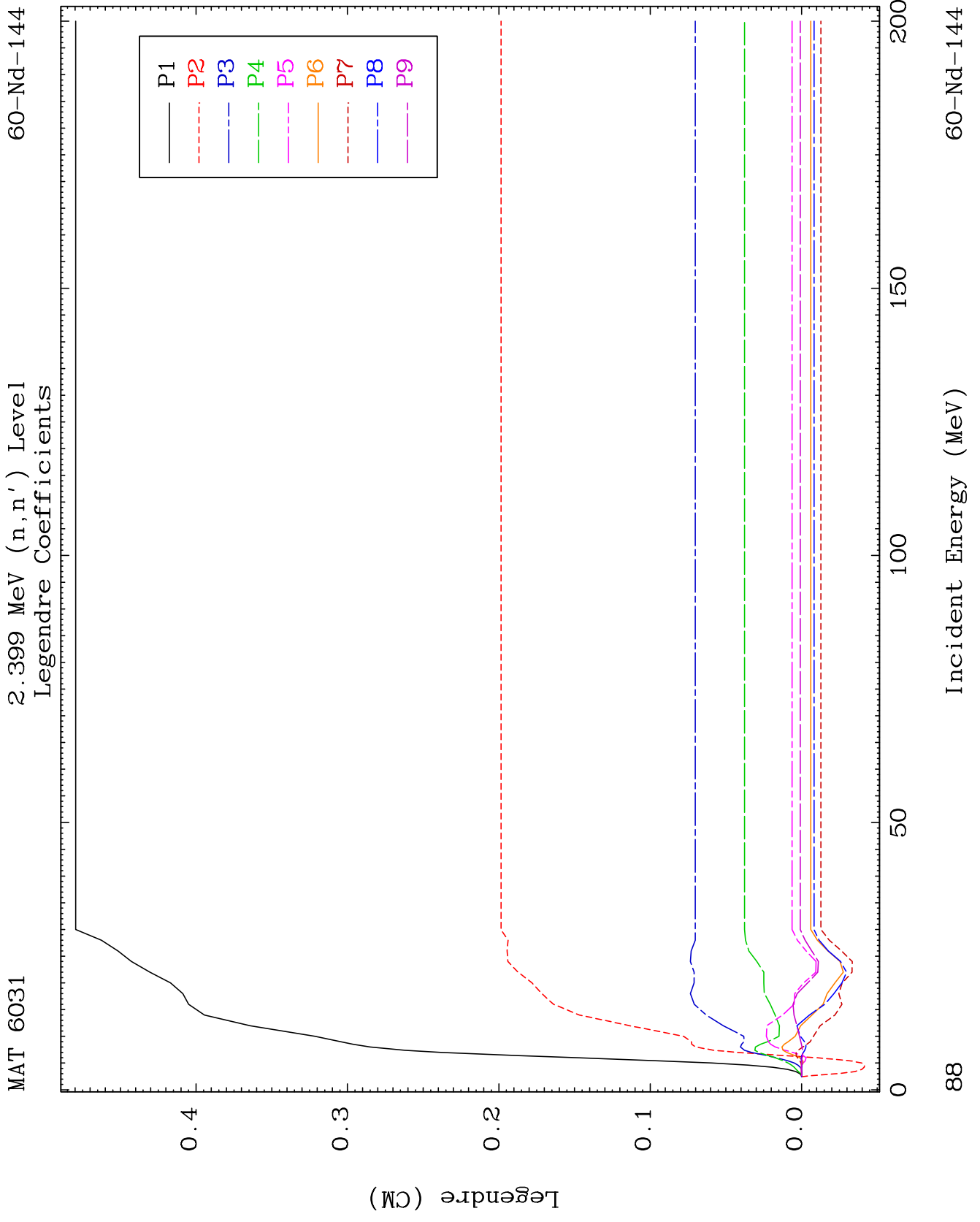


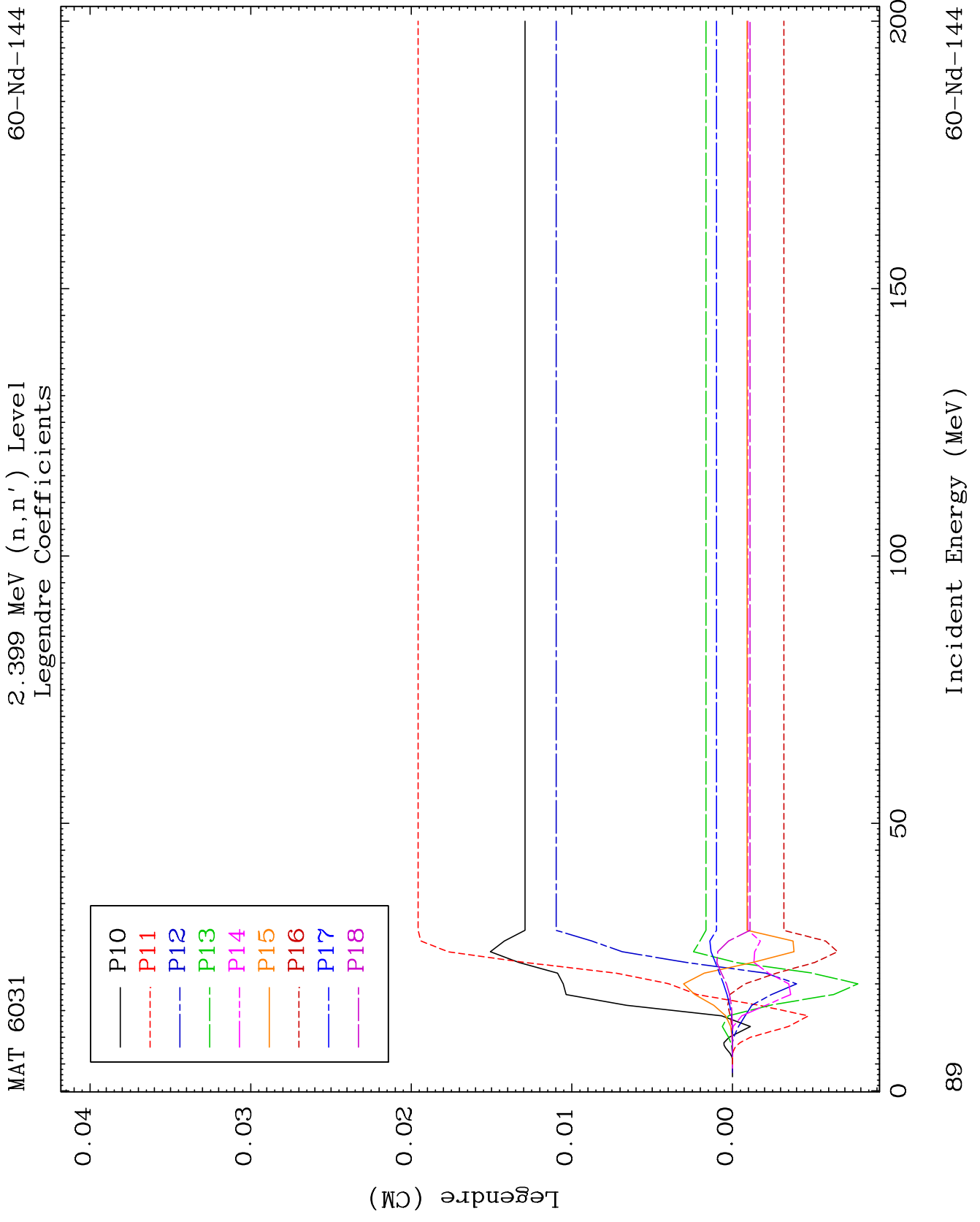
86

Incident Energy (MeV)

60-Nd-144



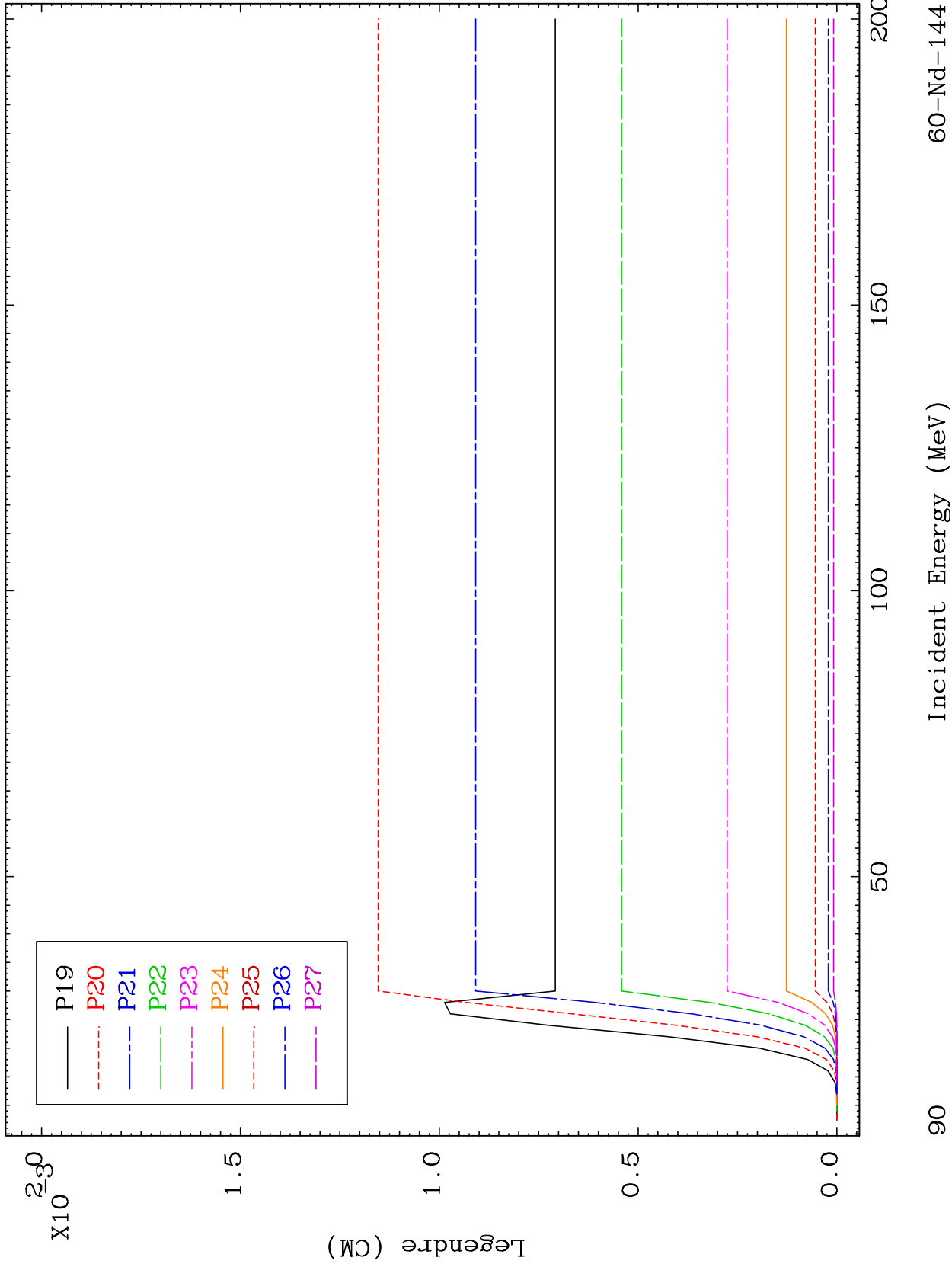




MAT 6031

2.399 MeV (n, n') Level
Legendre Coefficients

60-Nd-144



90

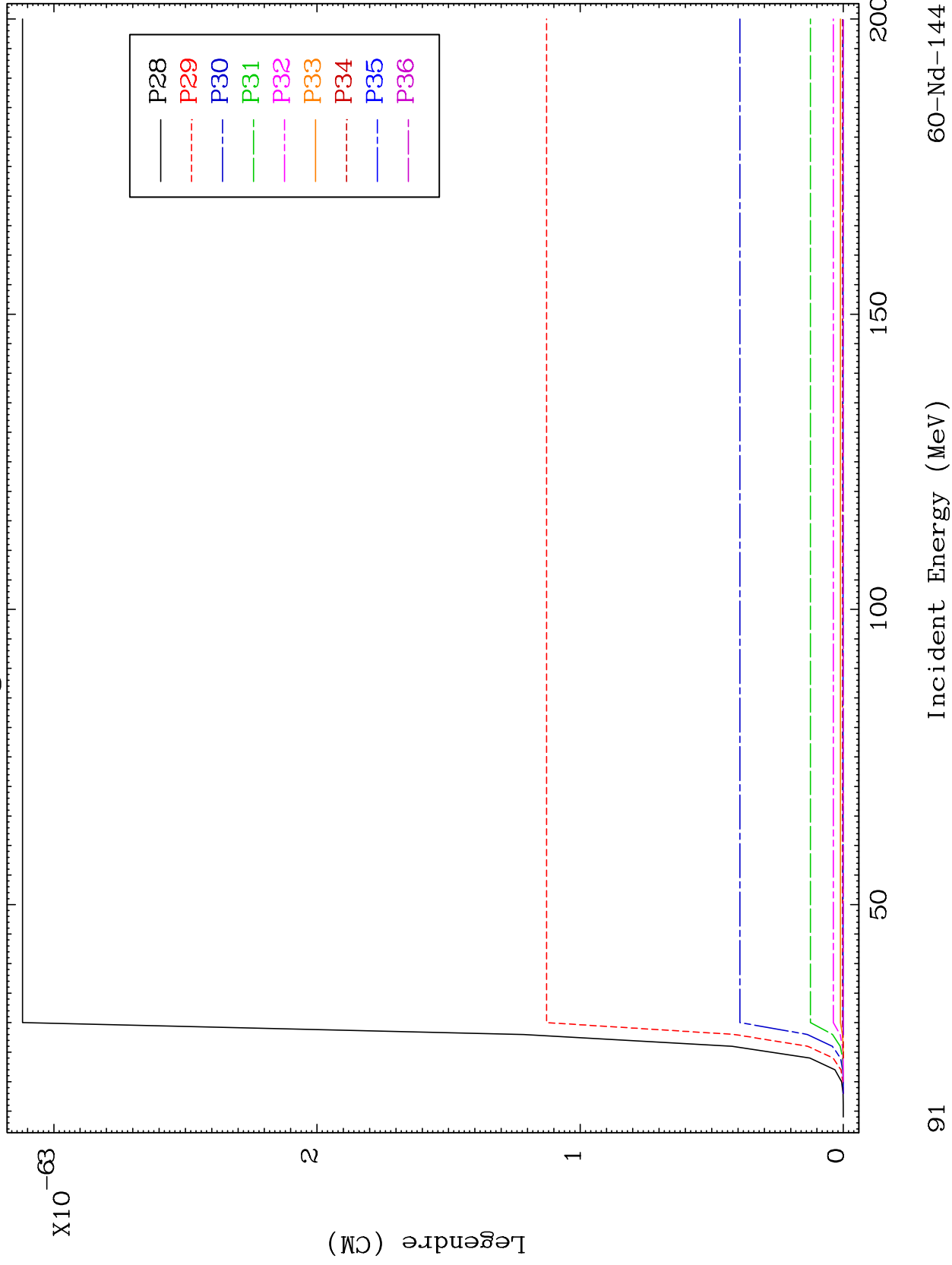
Incident Energy (MeV)

60-Nd-144

MAT 6031

2.399 MeV (n, n') Level
Legendre Coefficients

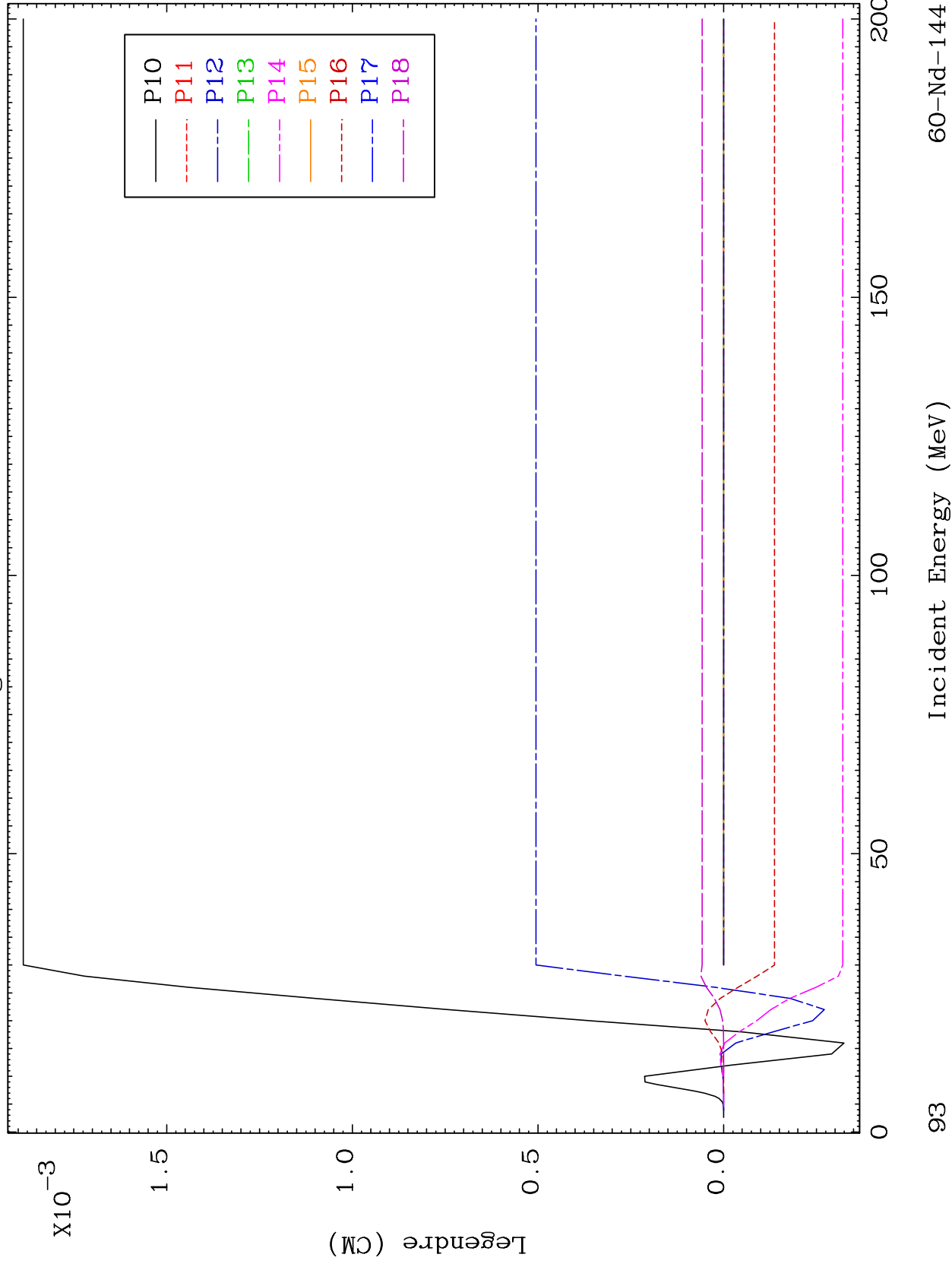
60-Nd-144

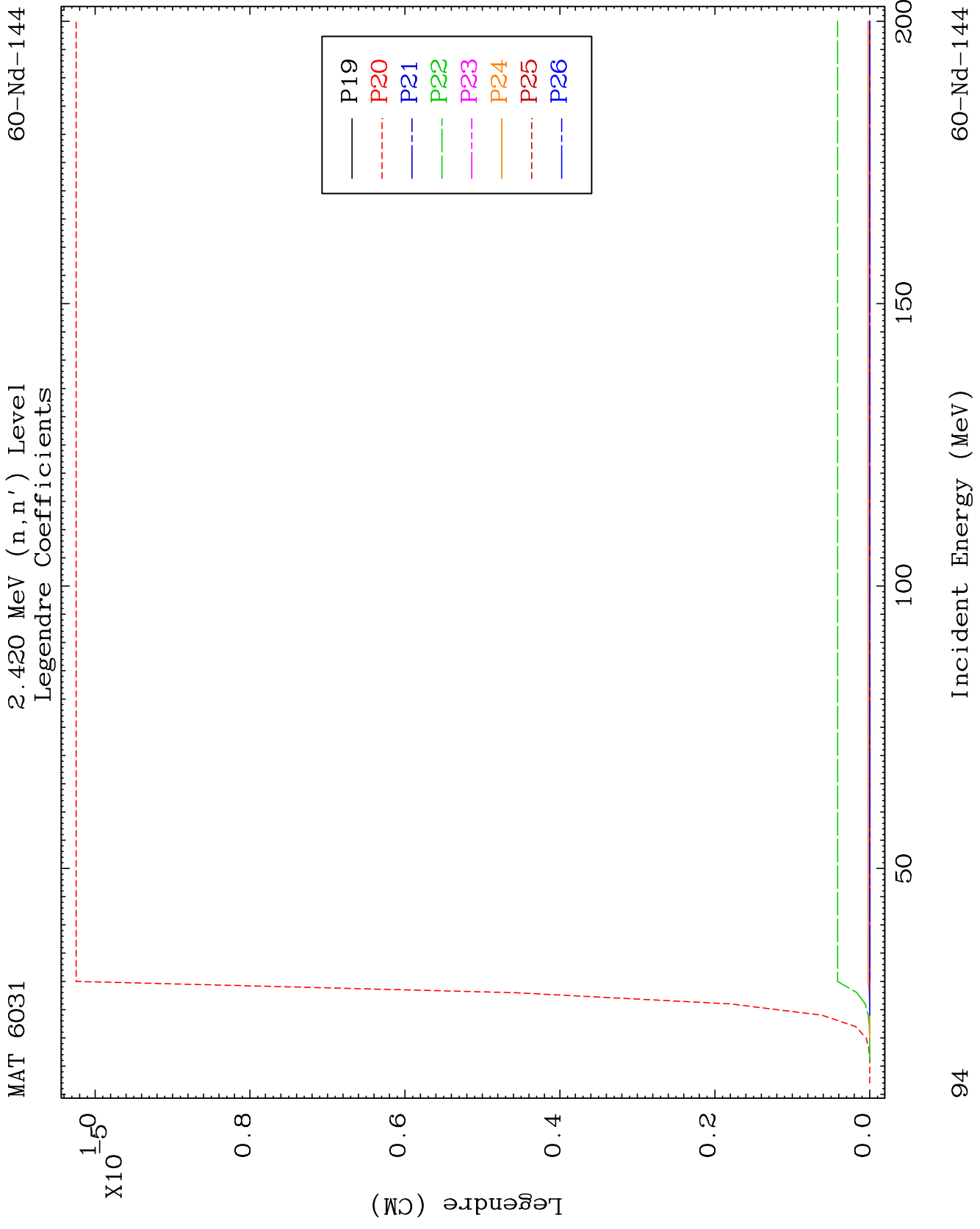


MAT 6031

2.420 MeV (n,n') Level
Legendre Coefficients

60-Nd-144

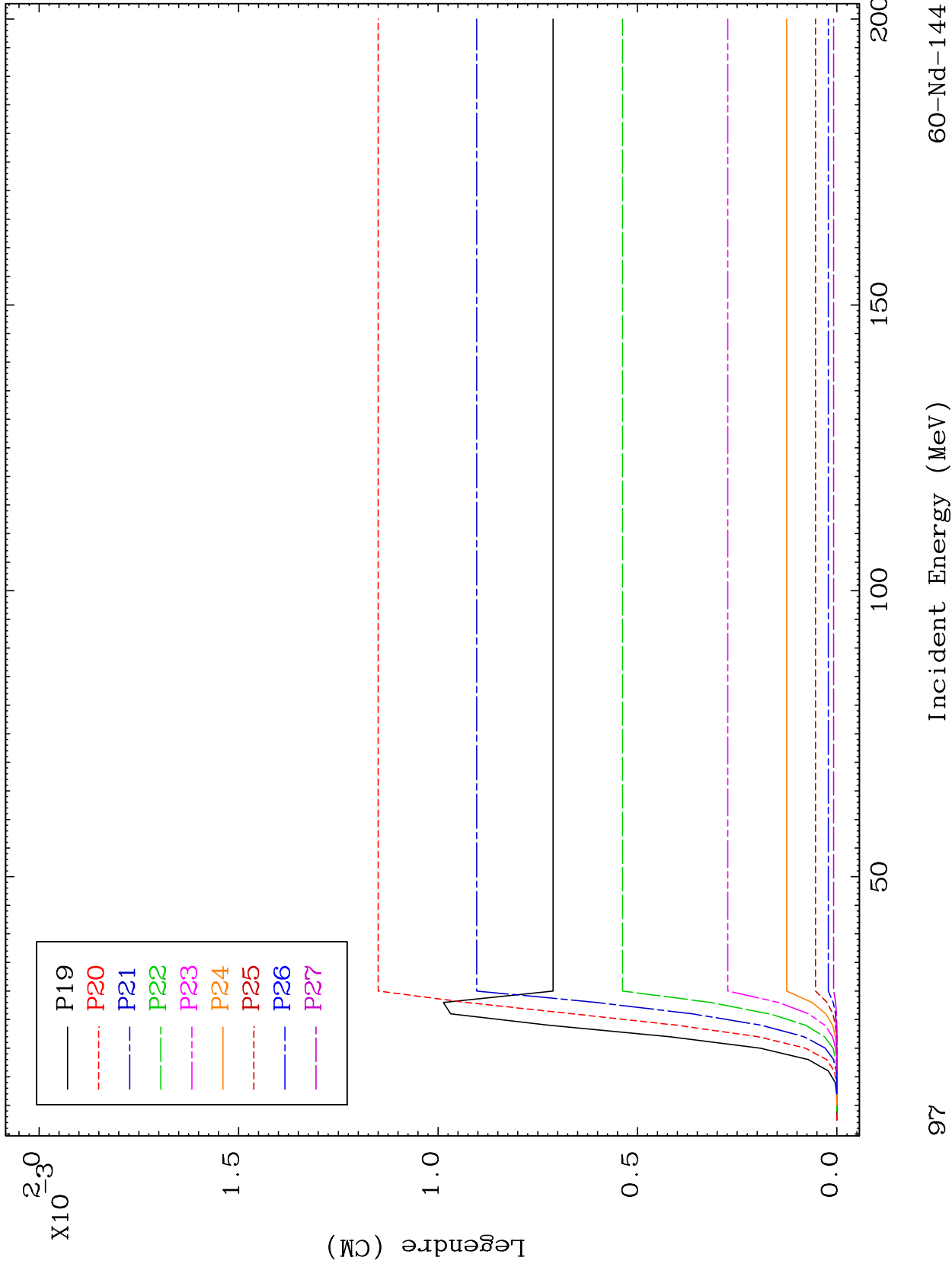


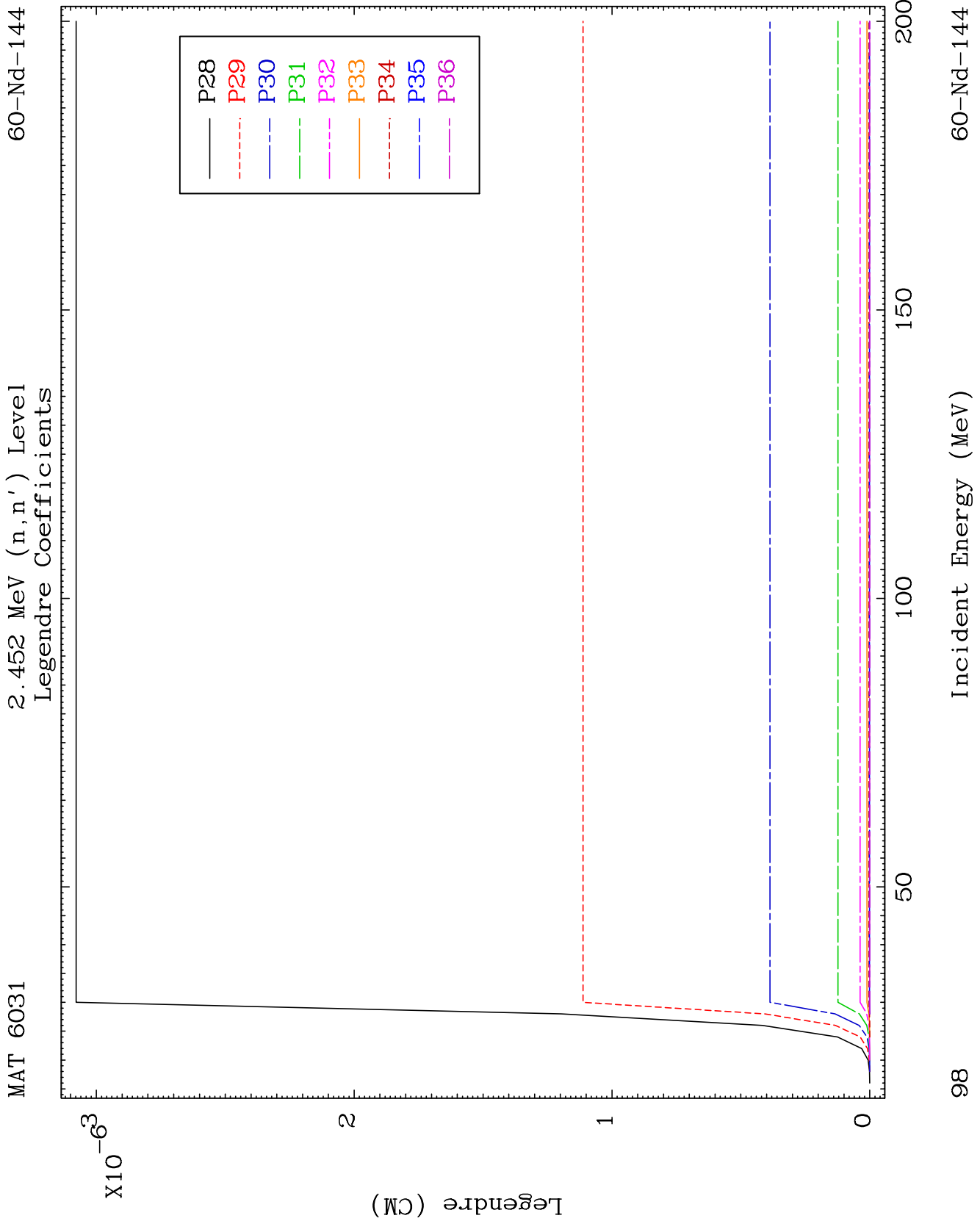


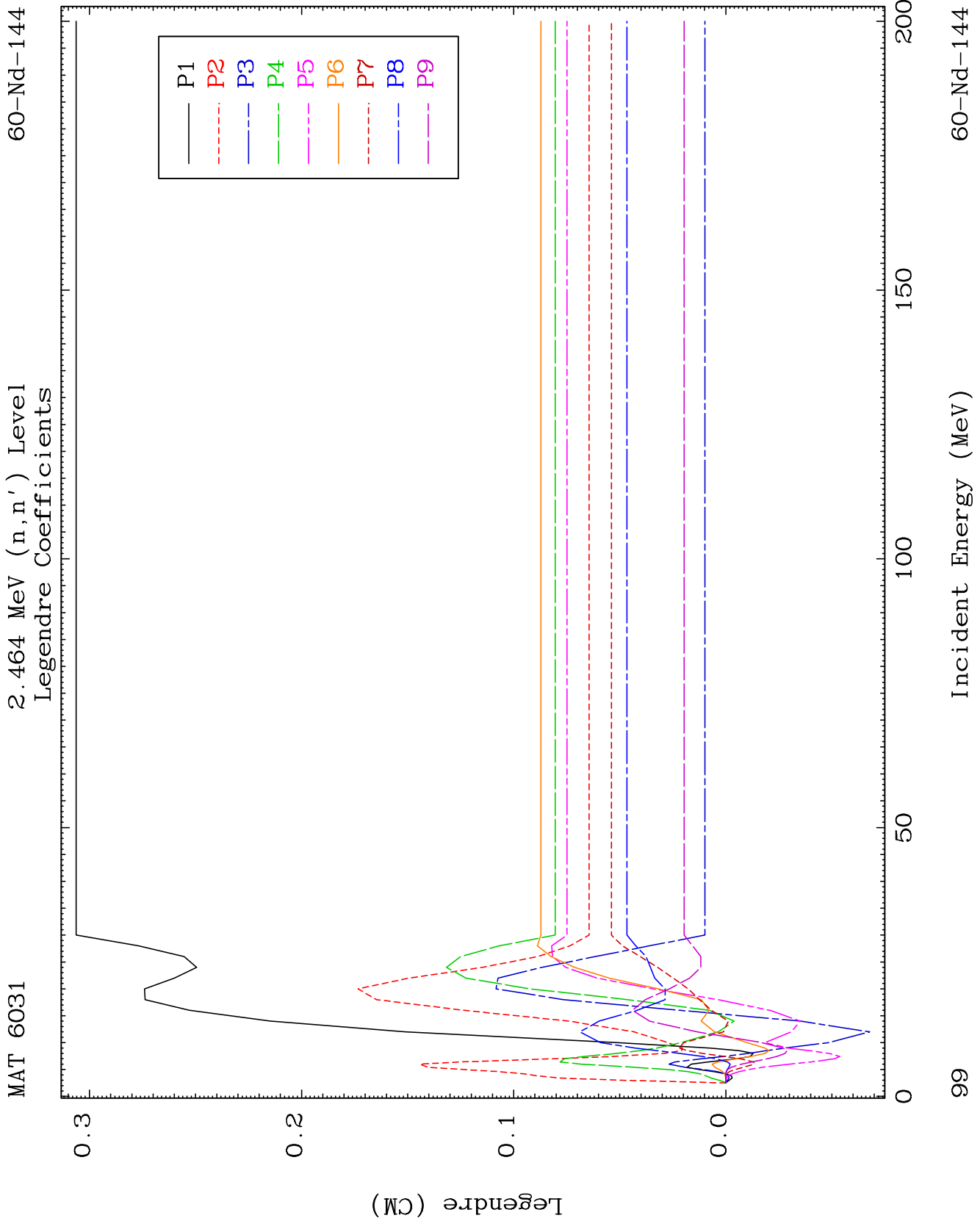
MAT 6031

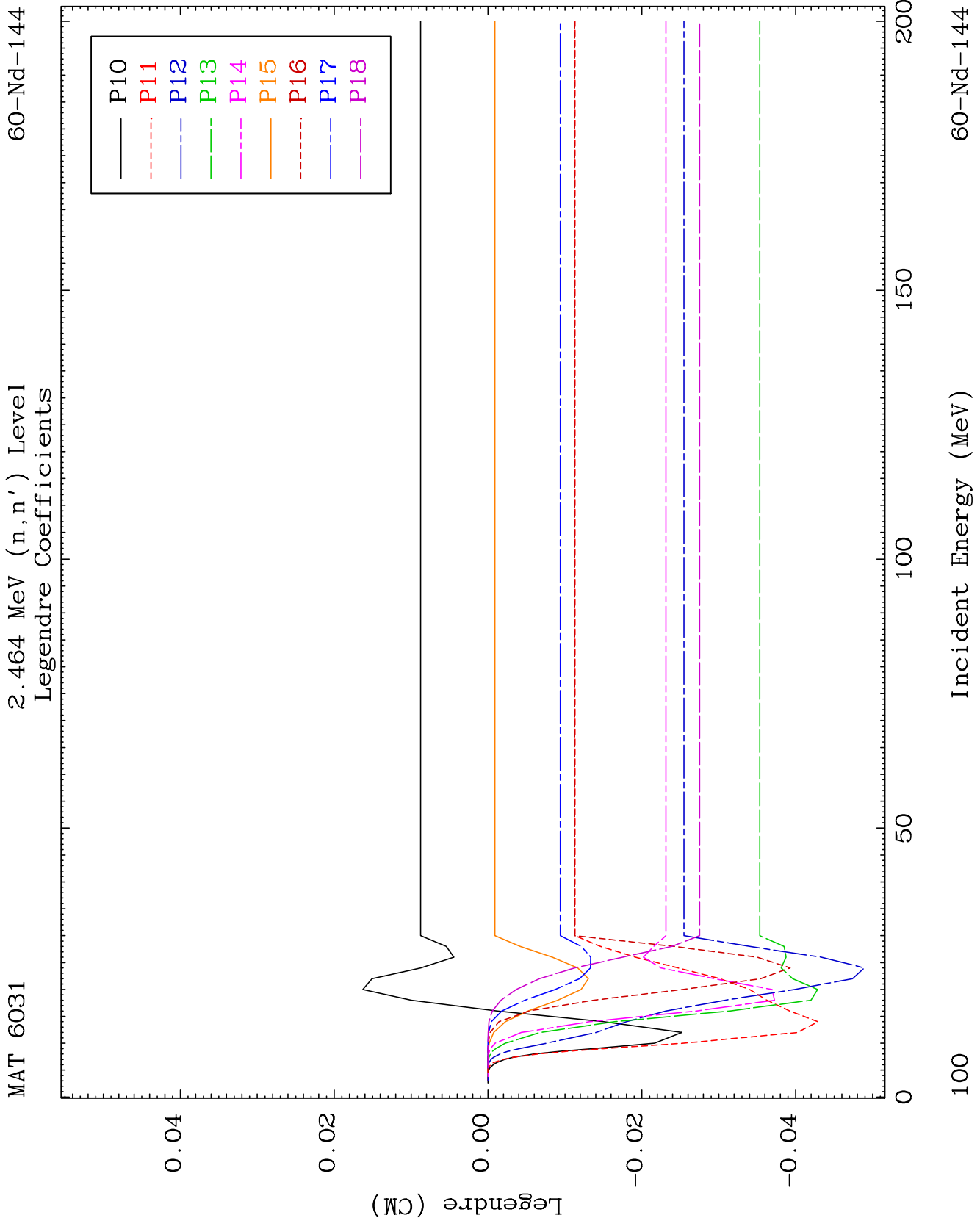
2.452 MeV (n, n') Level
Legendre Coefficients

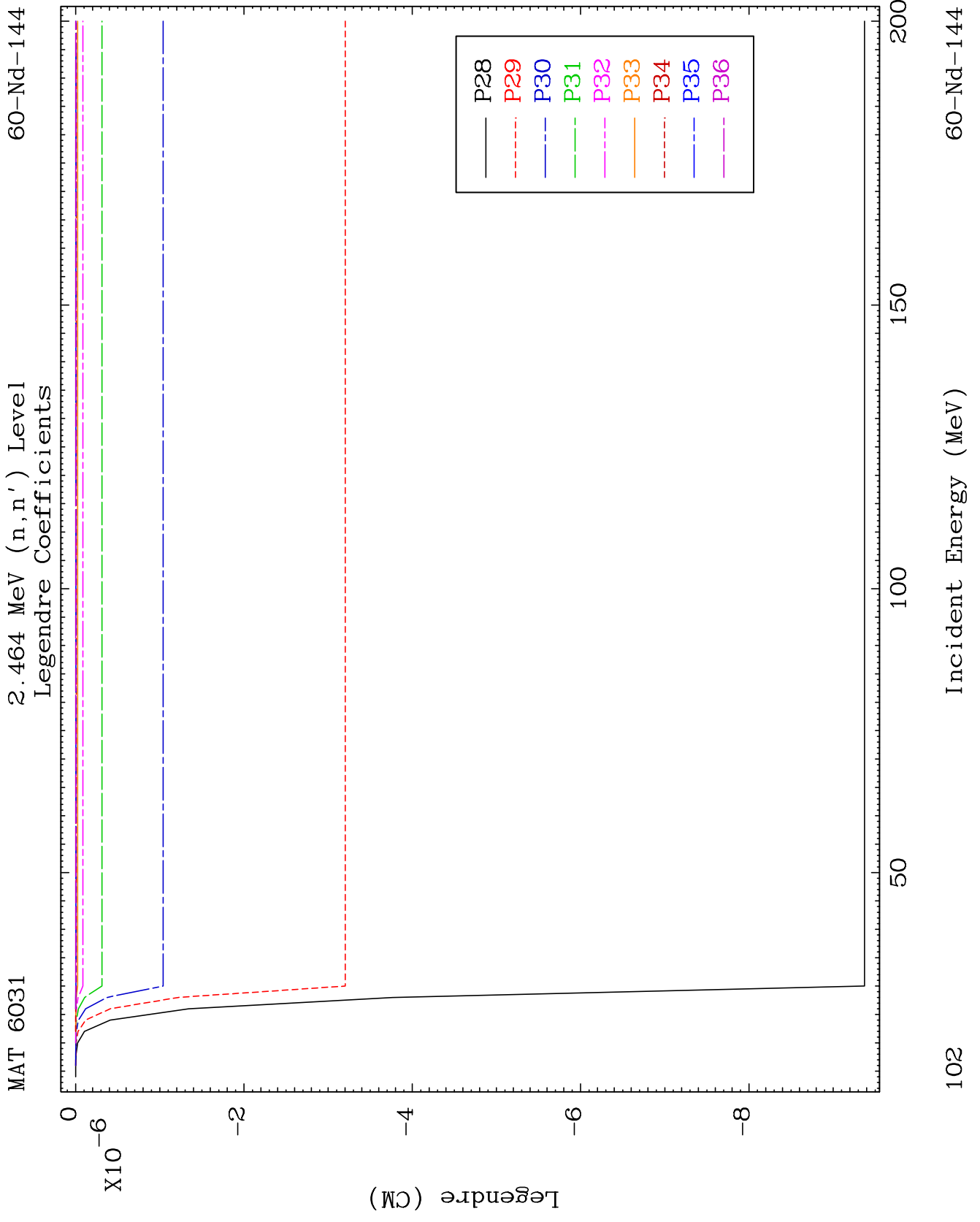
60-Nd-144

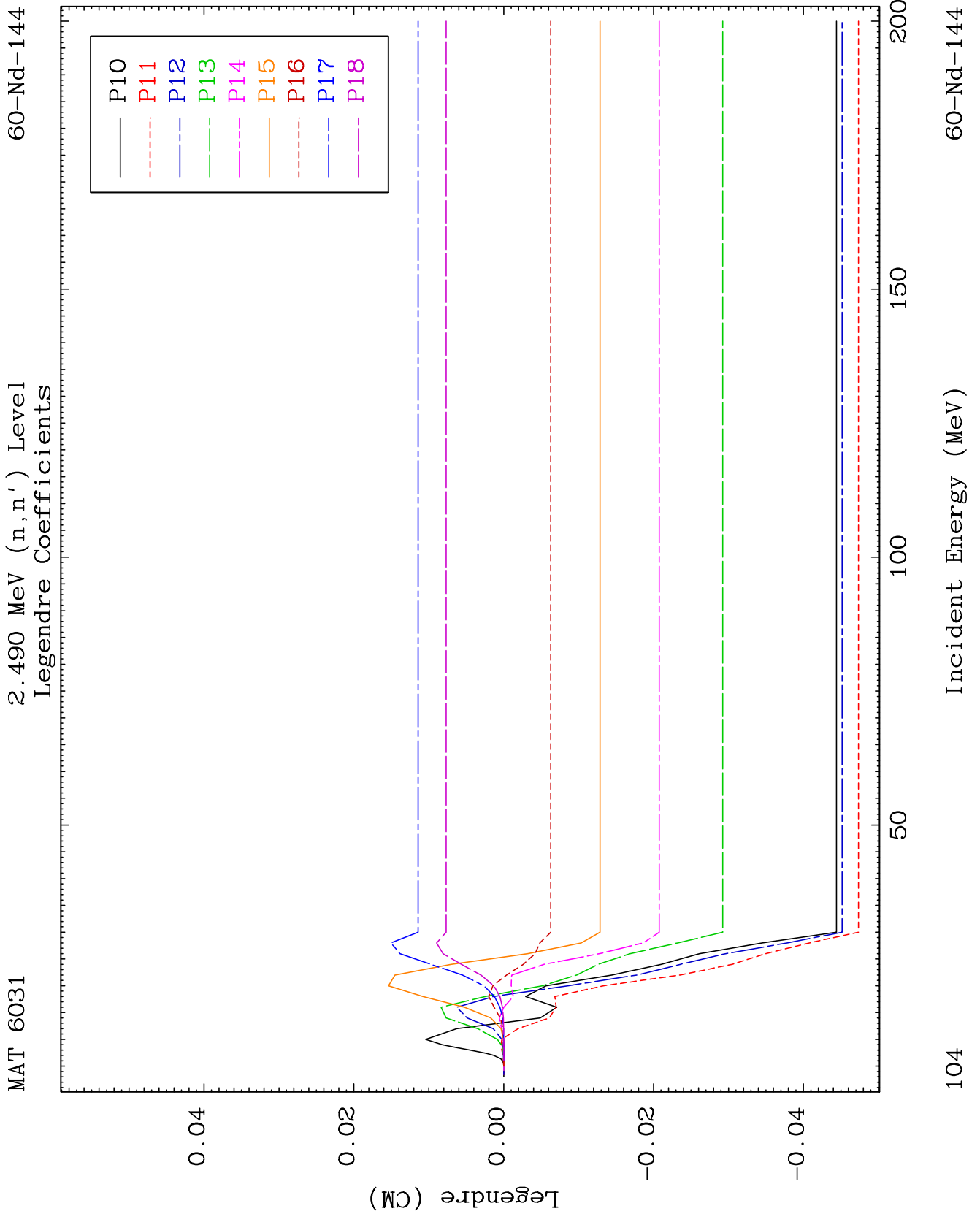








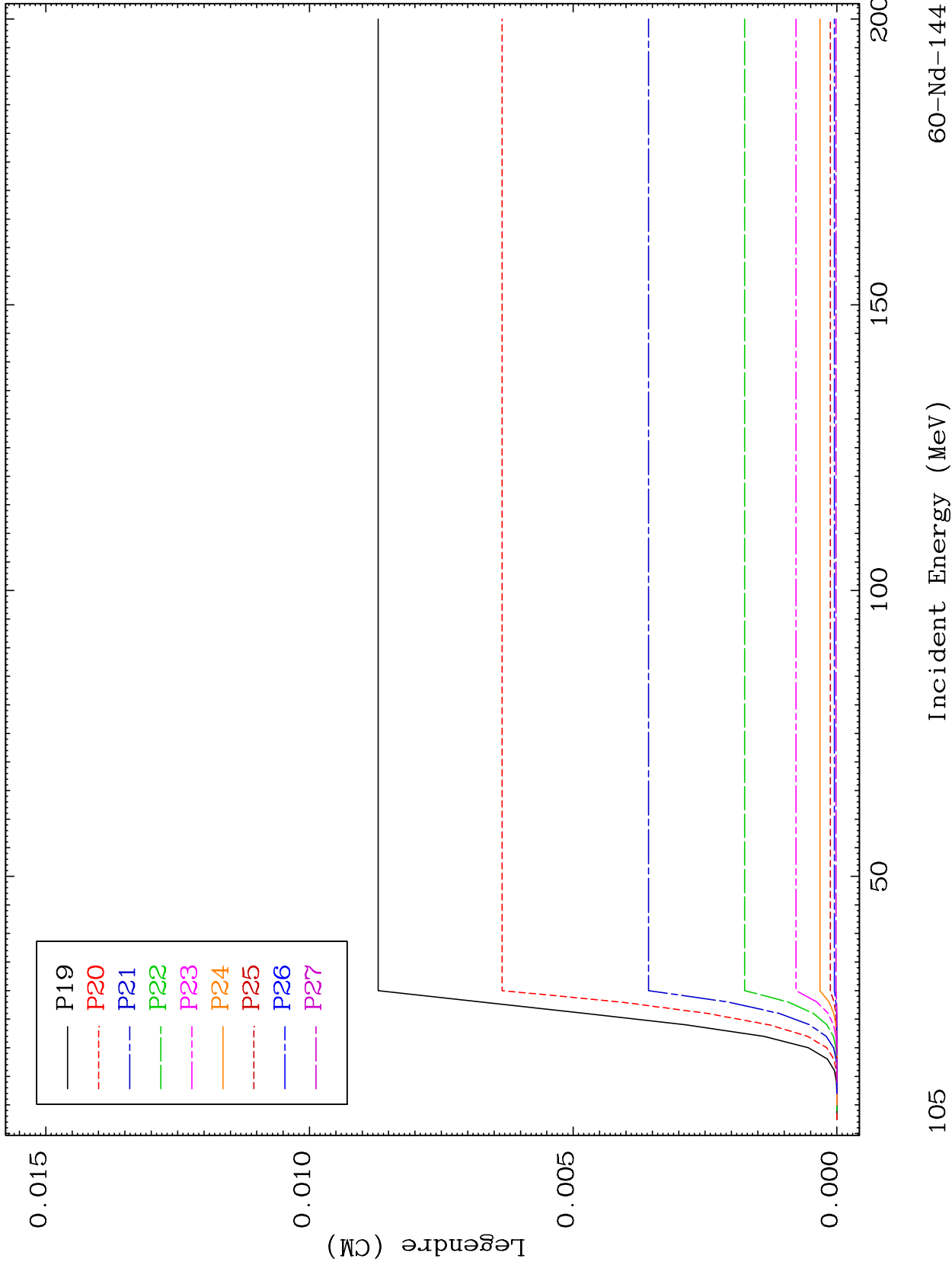




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2.490 MeV (n,n') Level
Legendre Coefficients

60-Nd-144



105

Incident Energy (MeV)

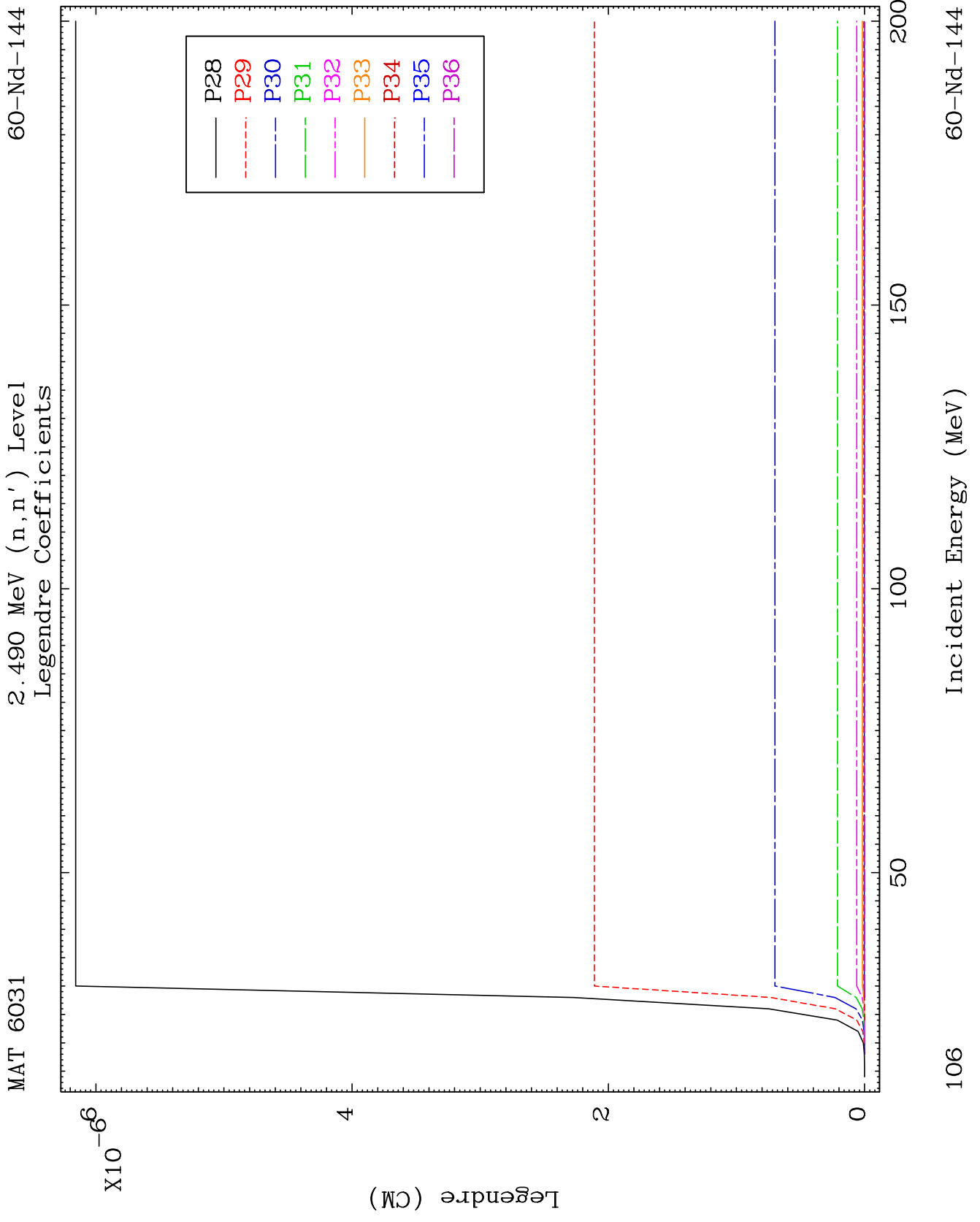
50

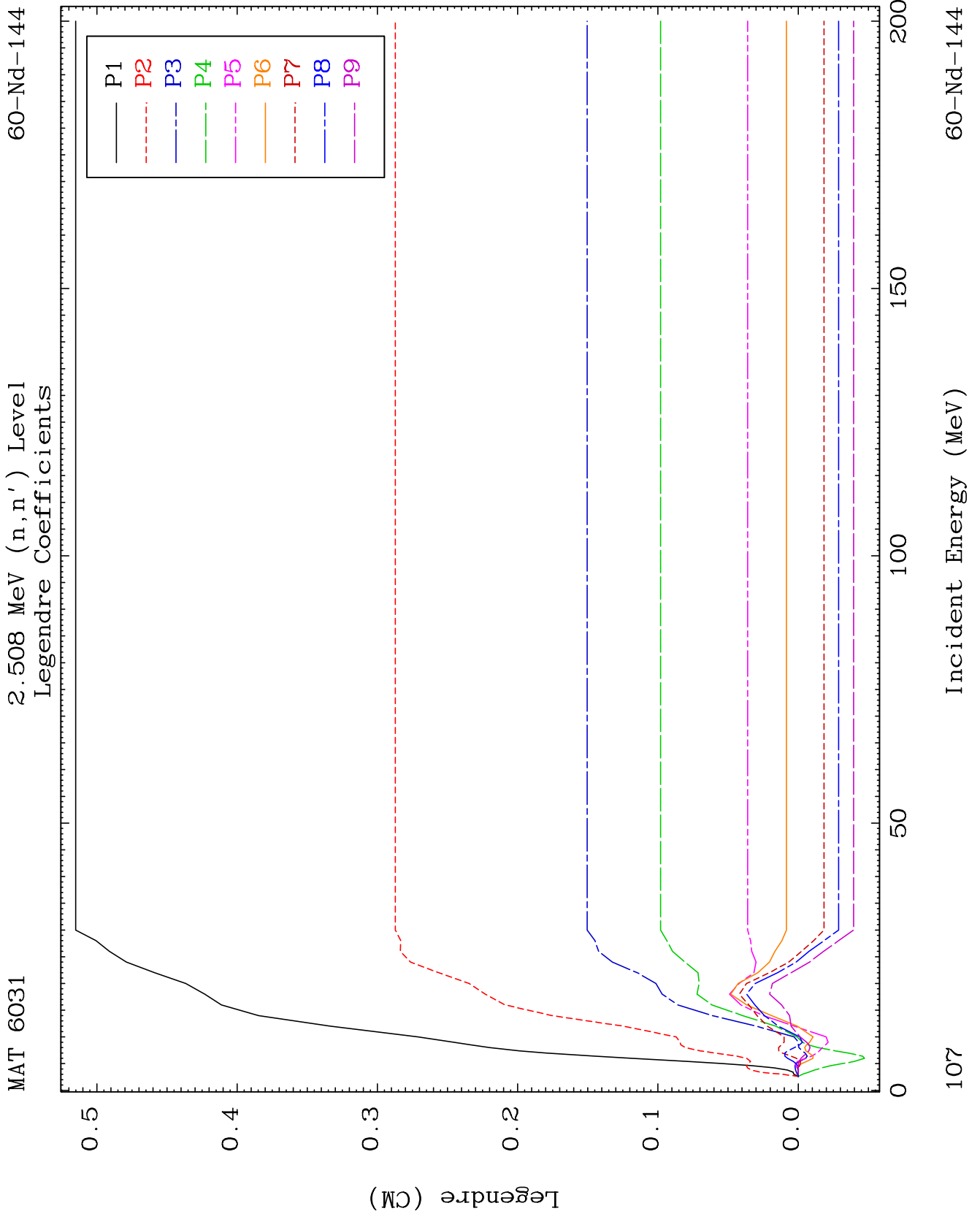
100

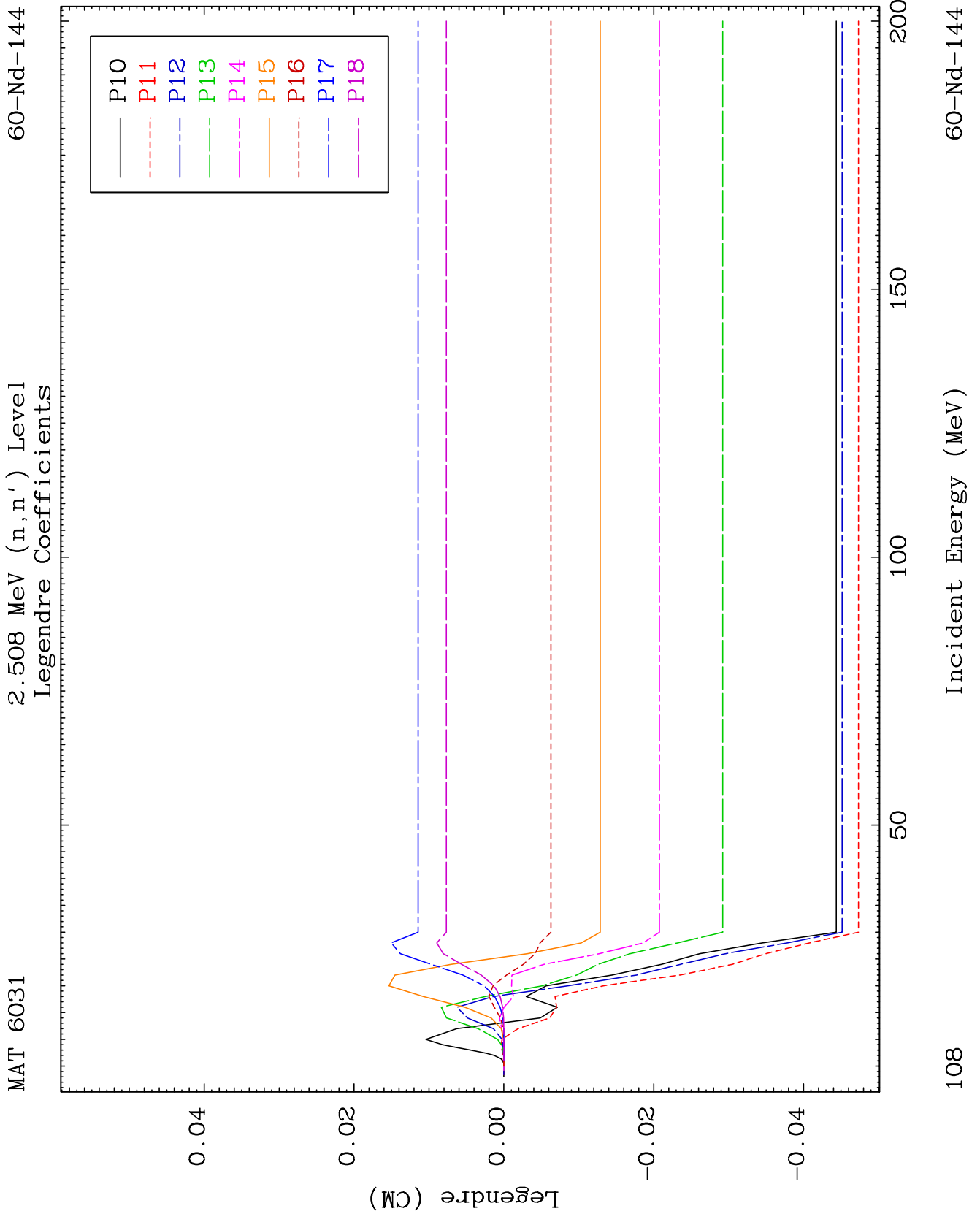
150

200

60-Nd-144



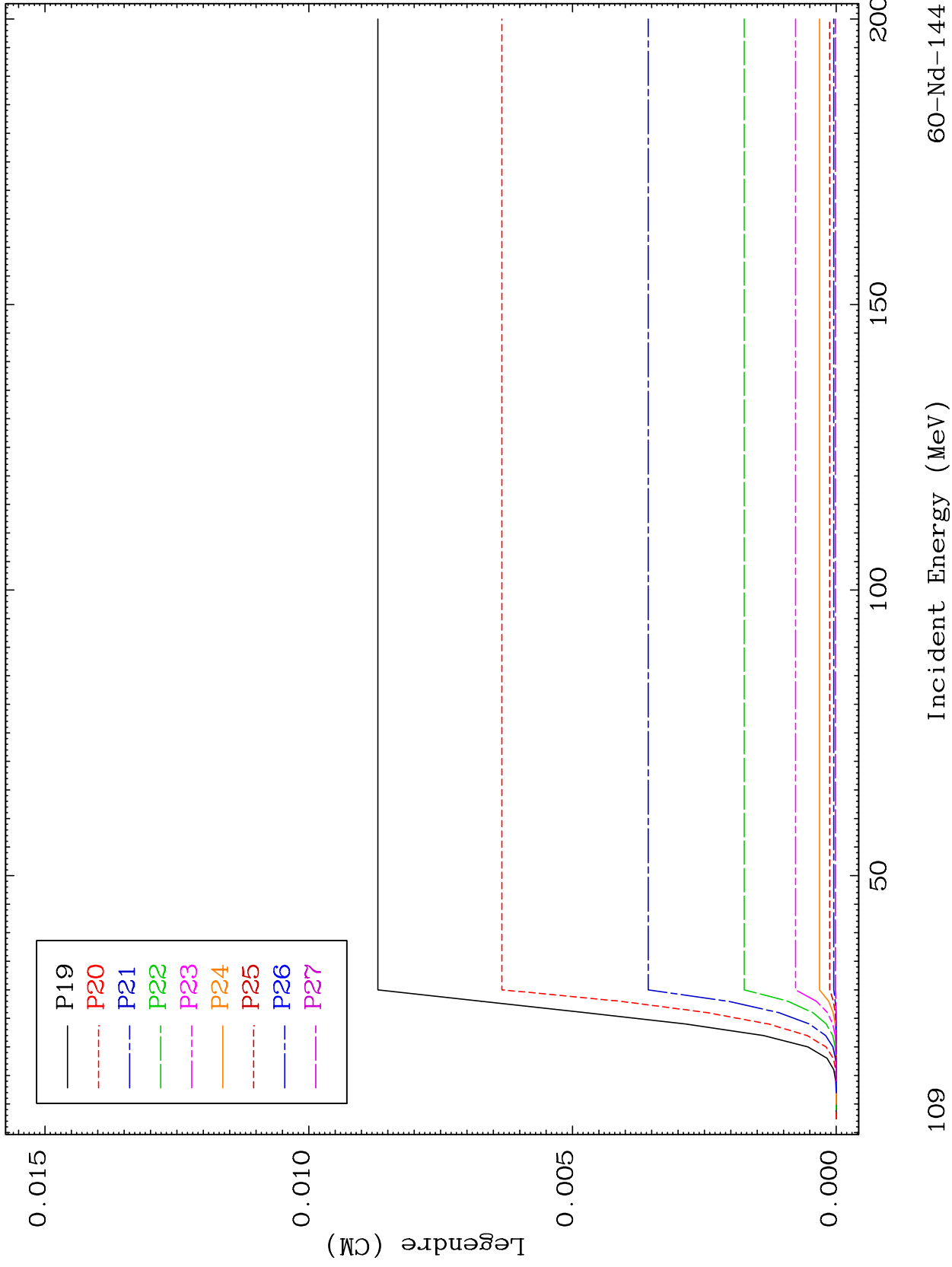




MAT 6031

2.508 MeV (n,n') Level
Legendre Coefficients

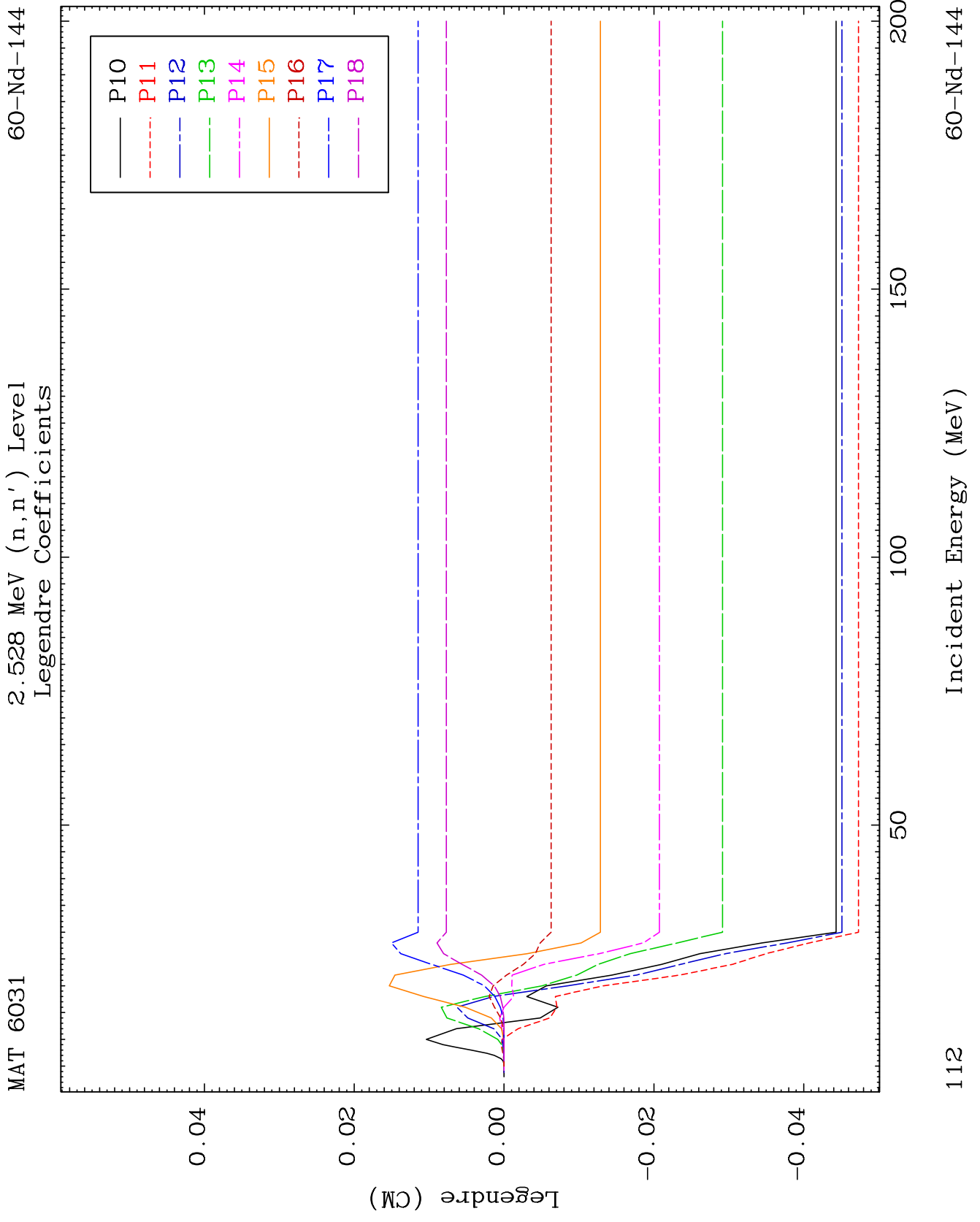
60-Nd-144



109

Incident Energy (MeV)

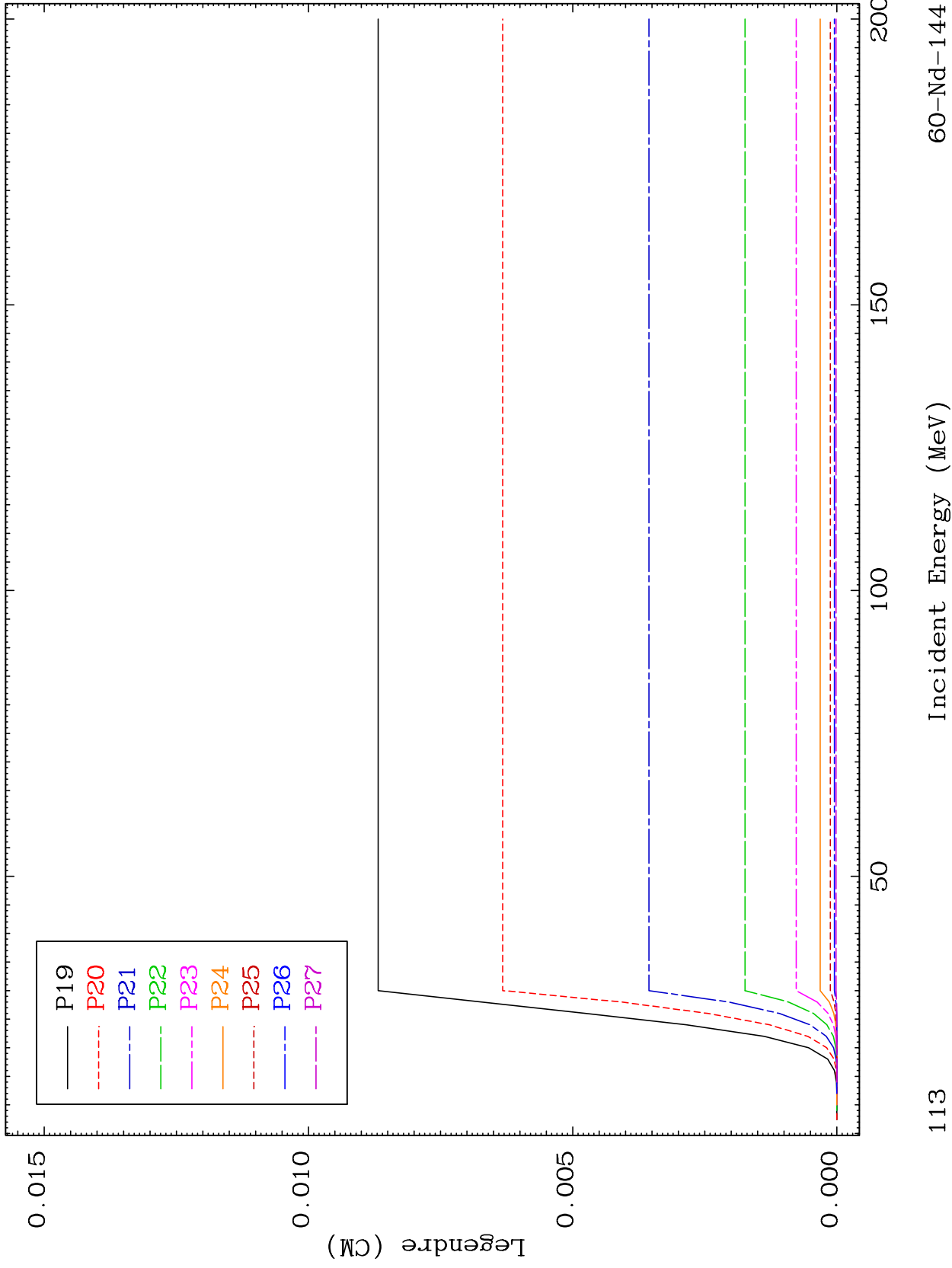
60-Nd-144



MAT 6031

2.528 MeV (n,n') Level
Legendre Coefficients

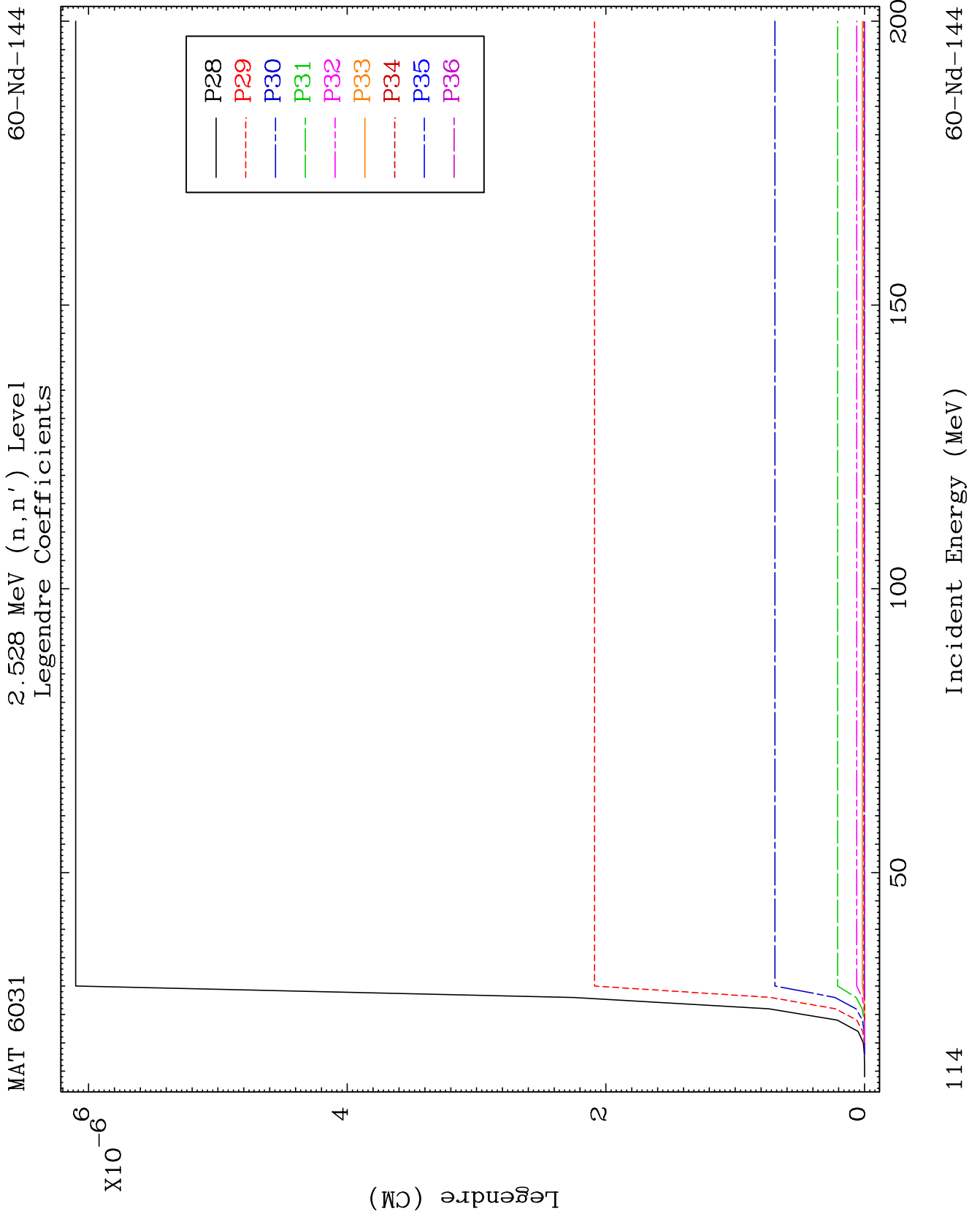
60-Nd-144

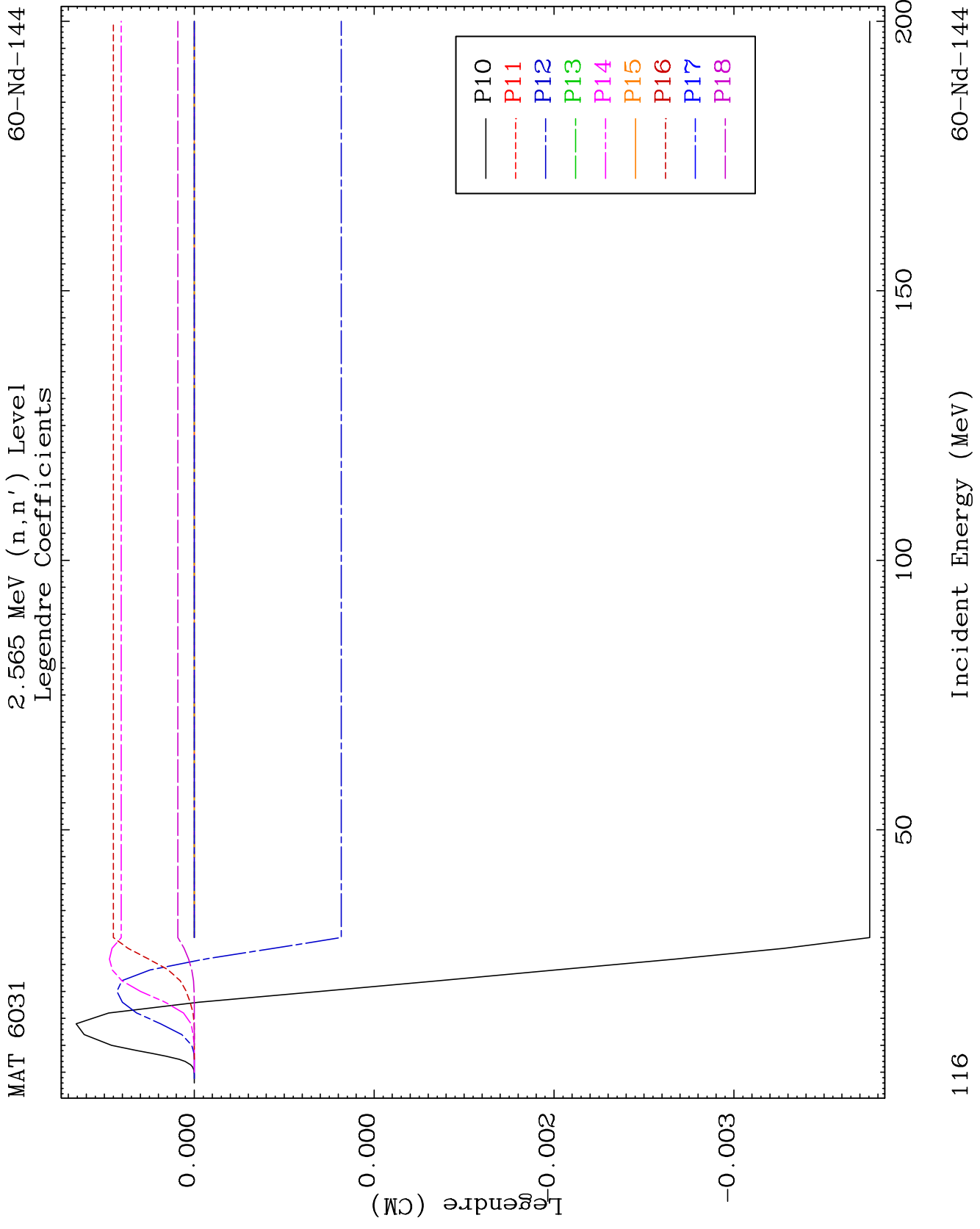


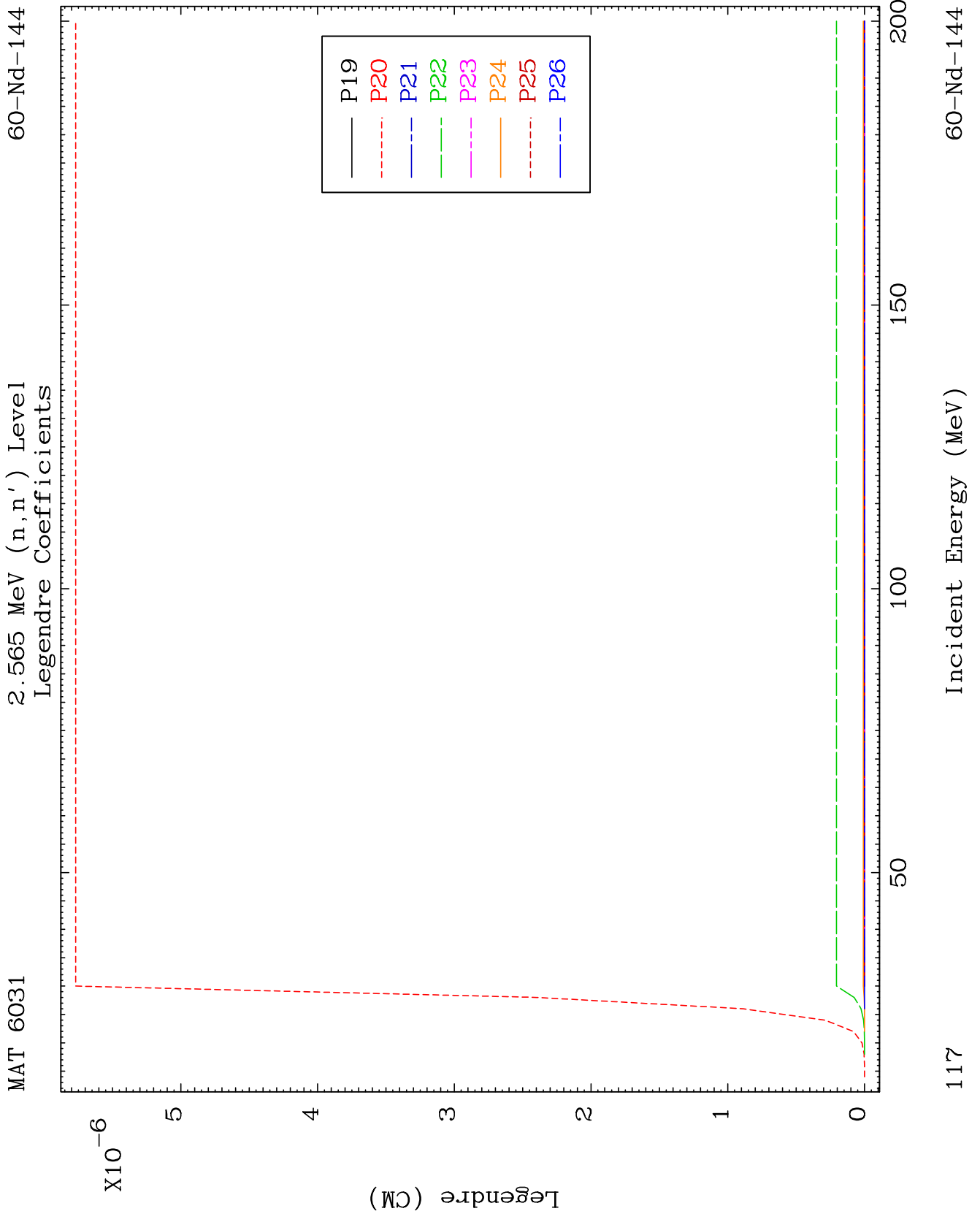
113

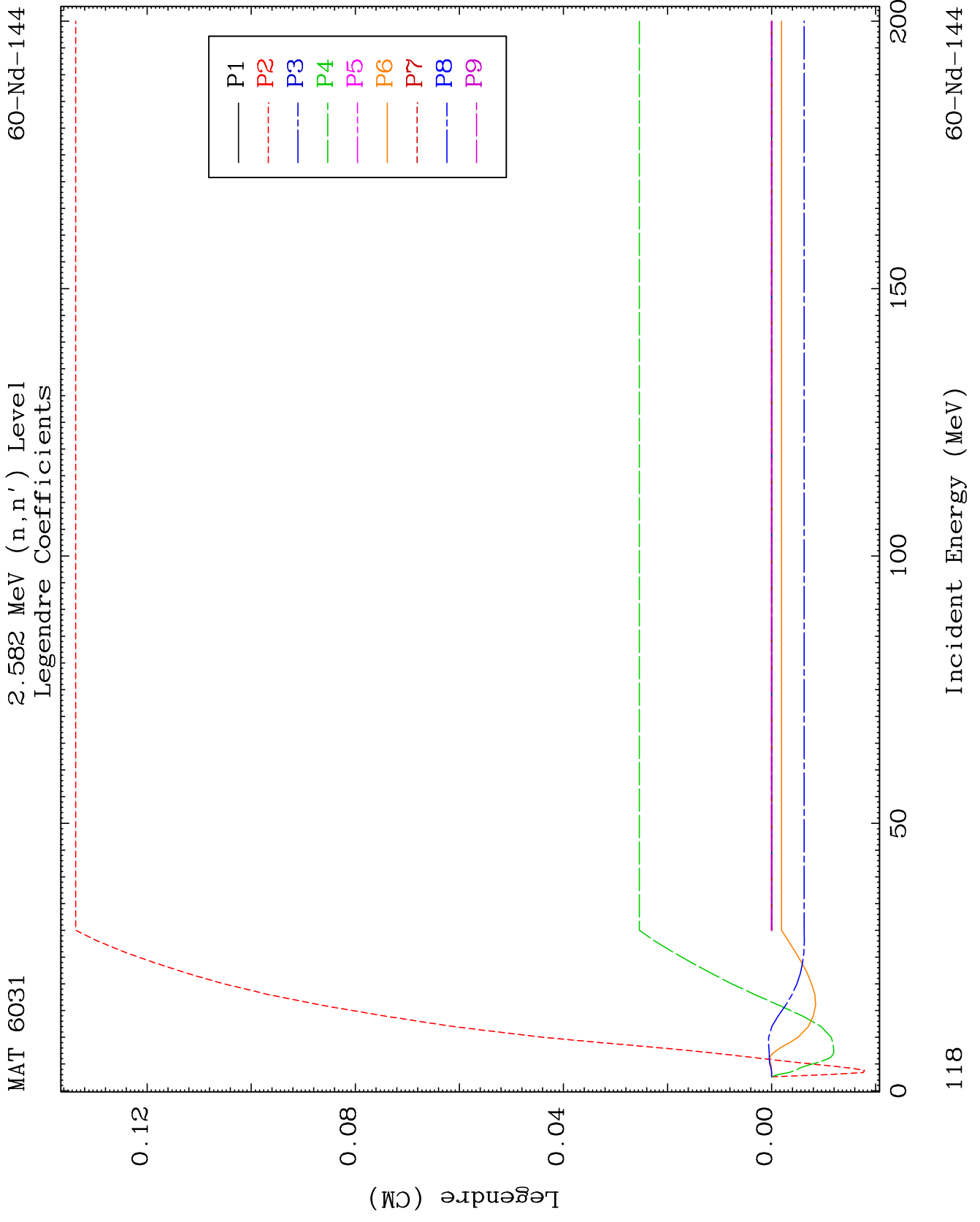
Incident Energy (MeV)

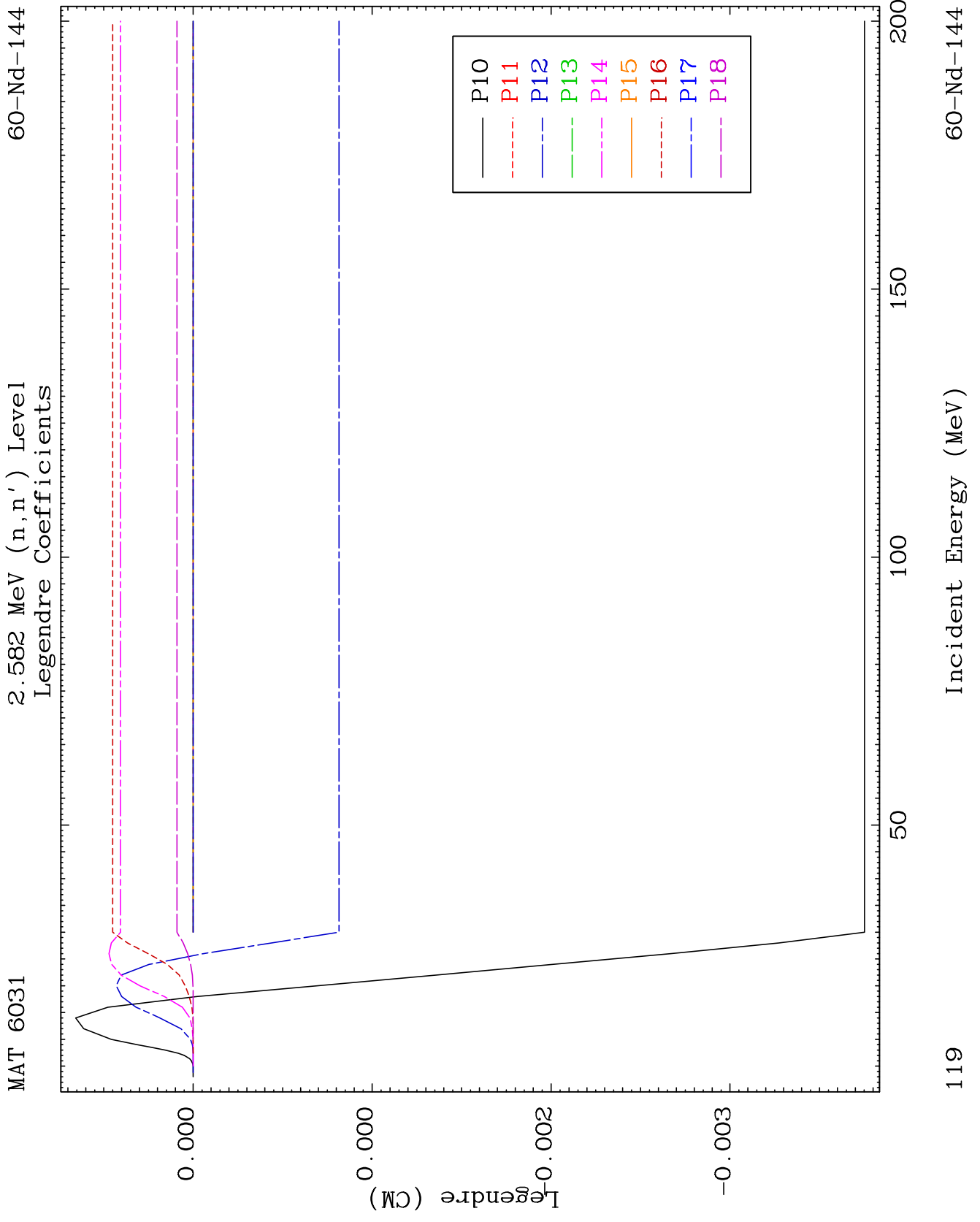
60-Nd-144

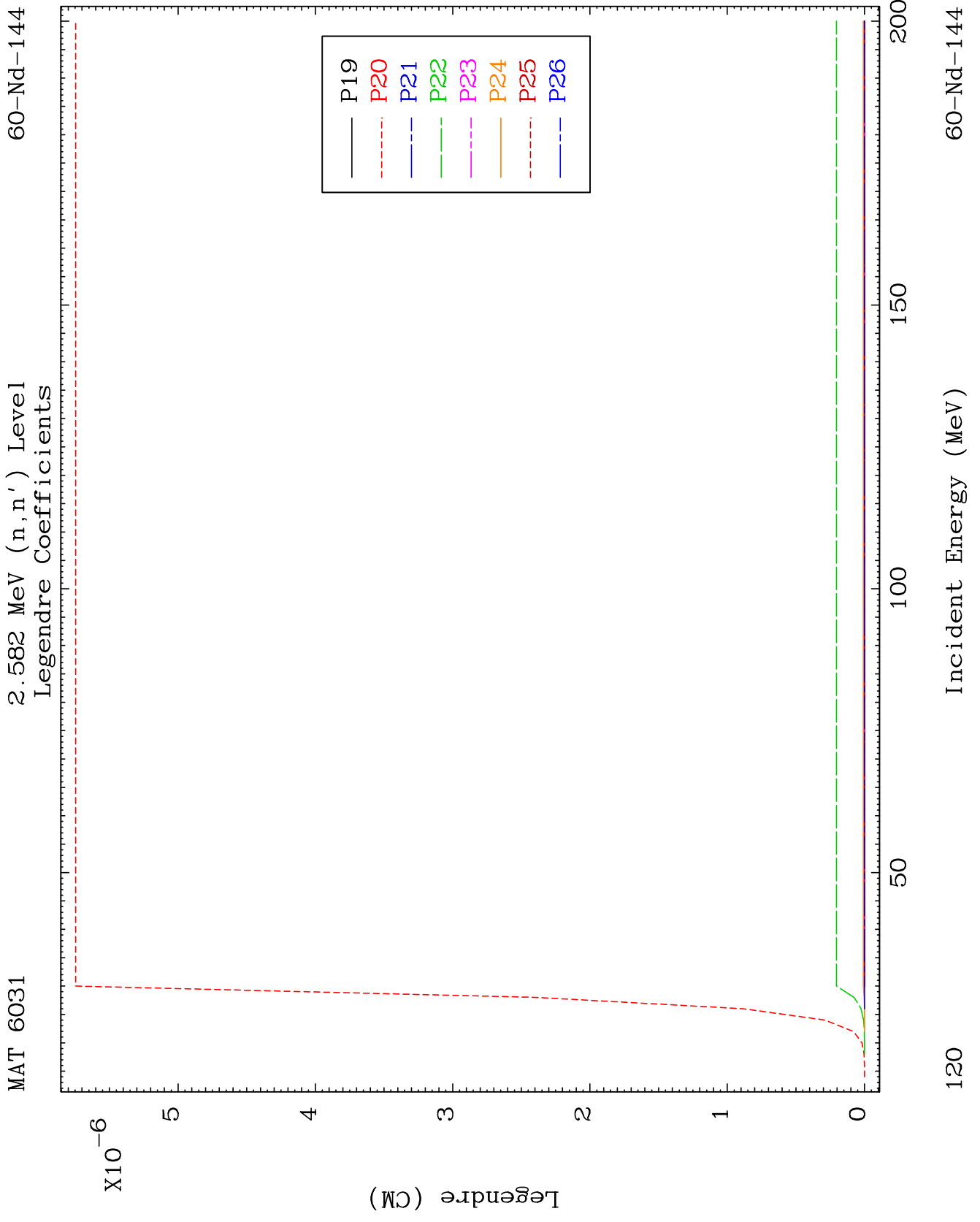


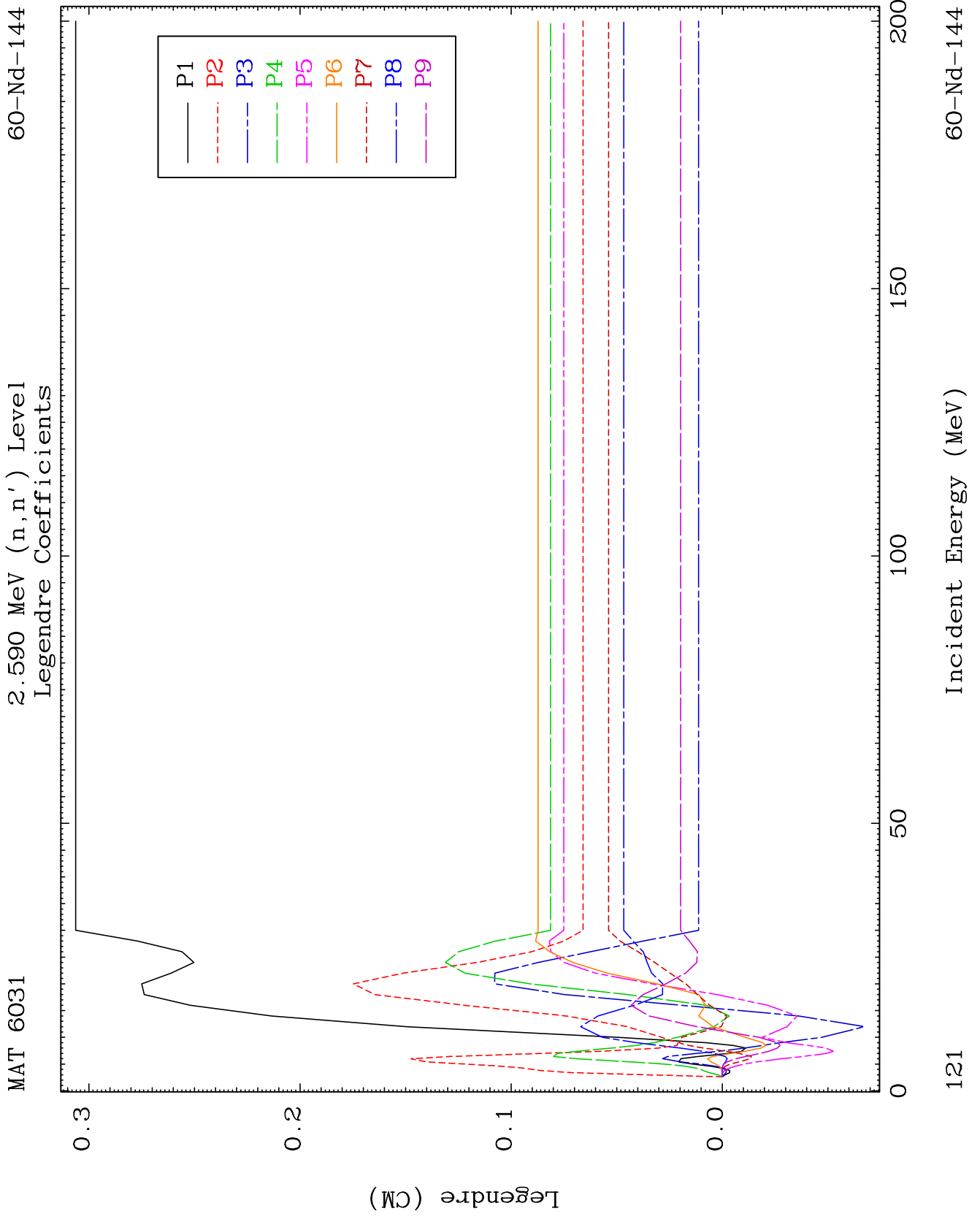


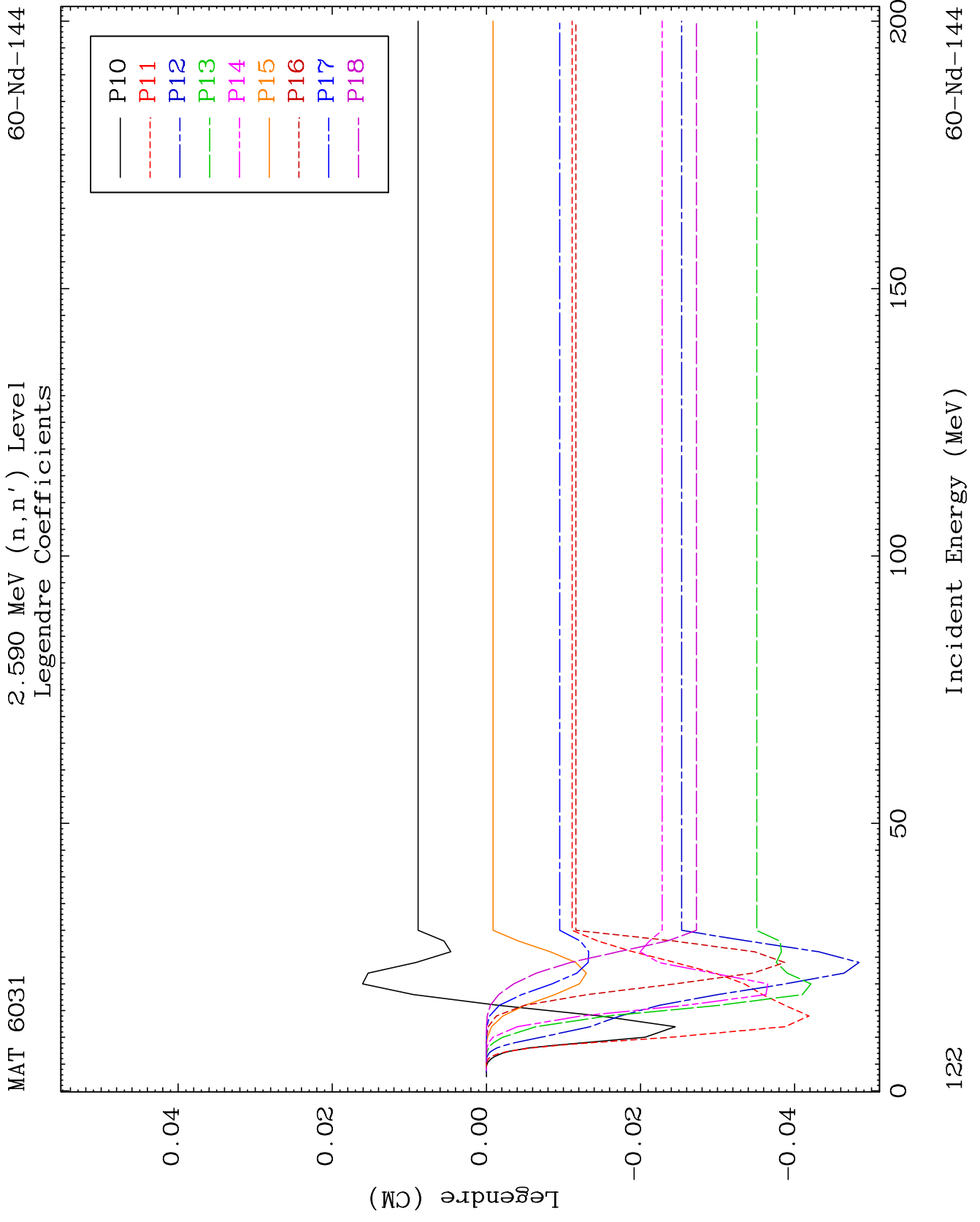


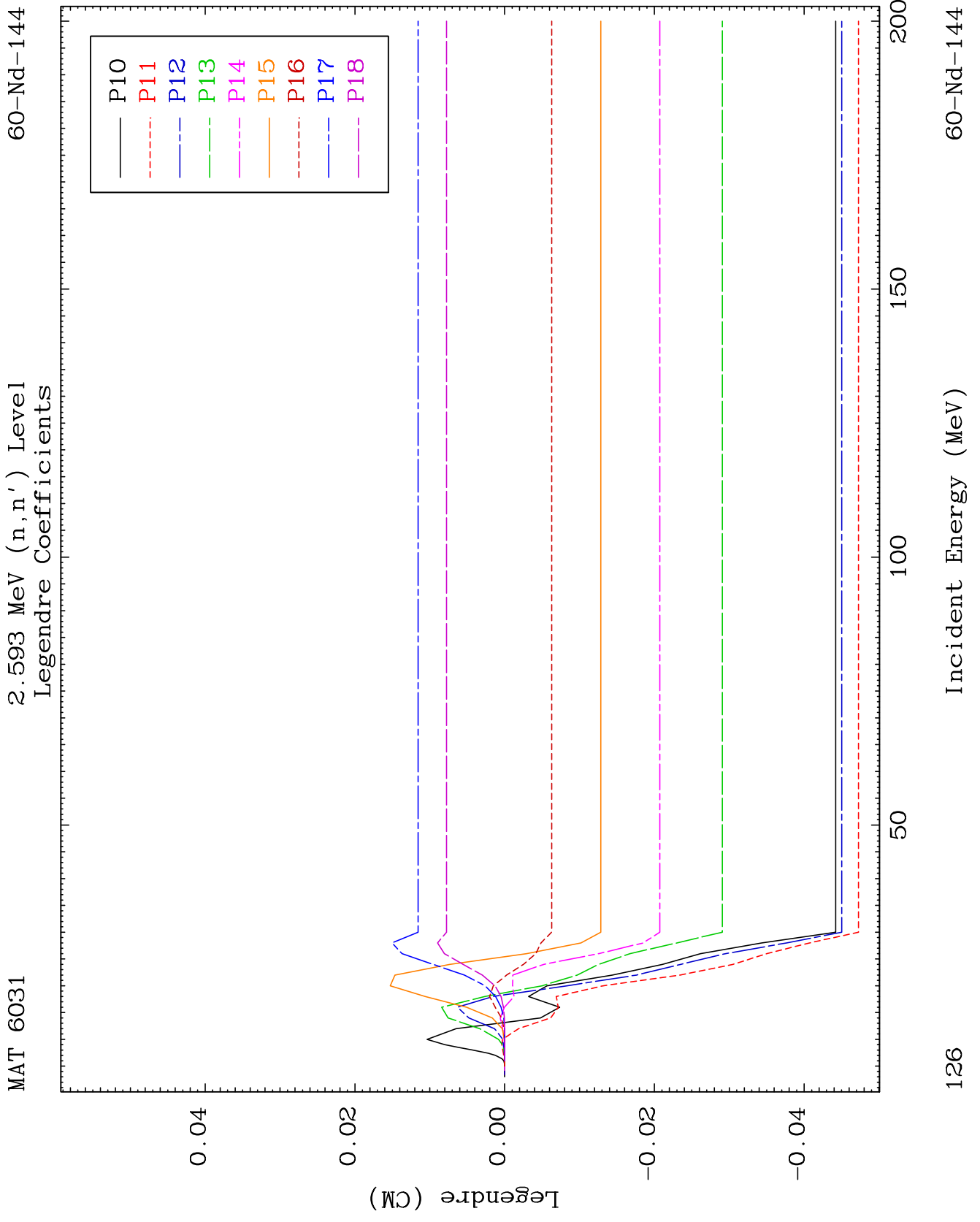








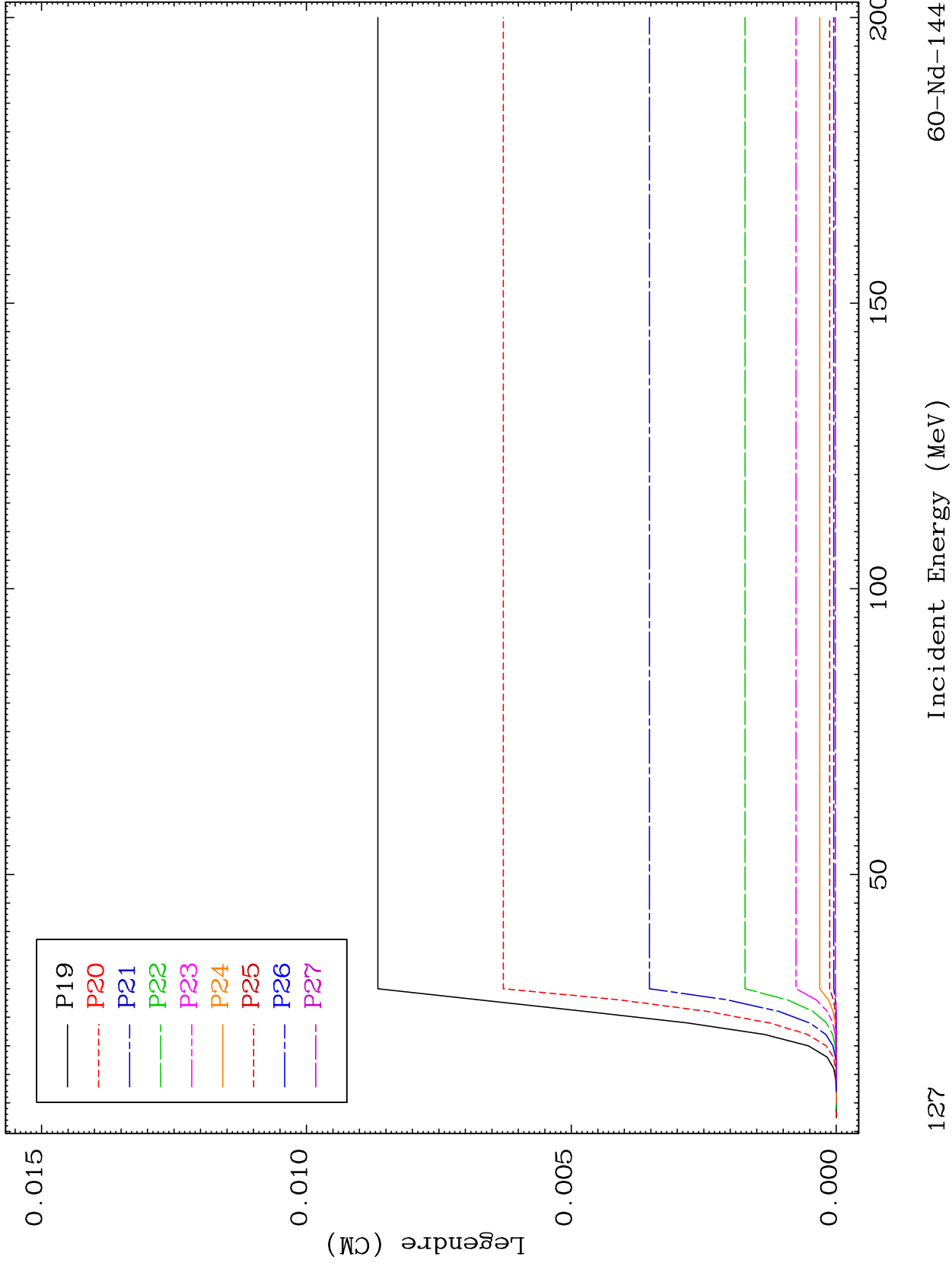




MAT 6031

2.593 MeV (n,n') Level
Legendre Coefficients

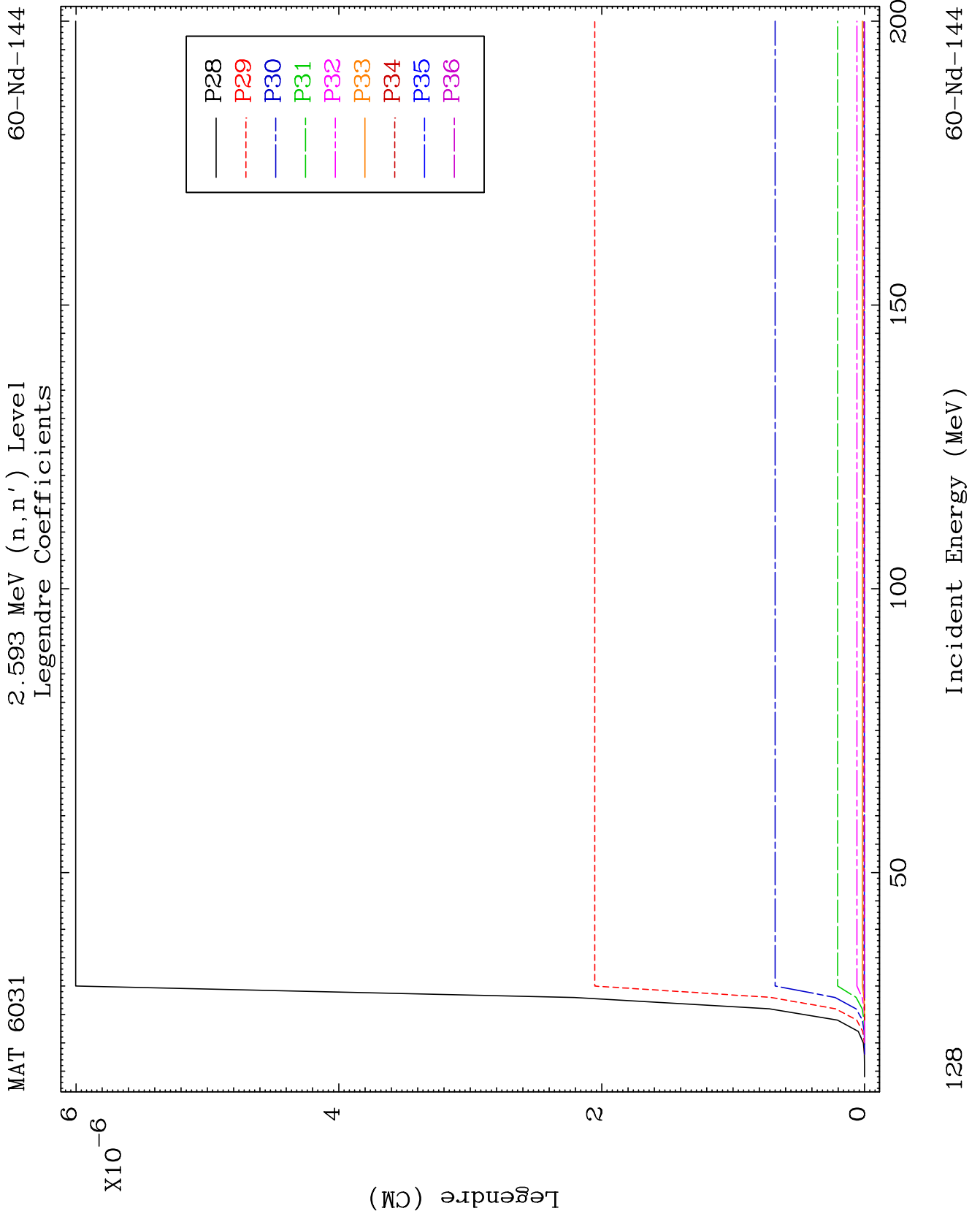
60-Nd-144

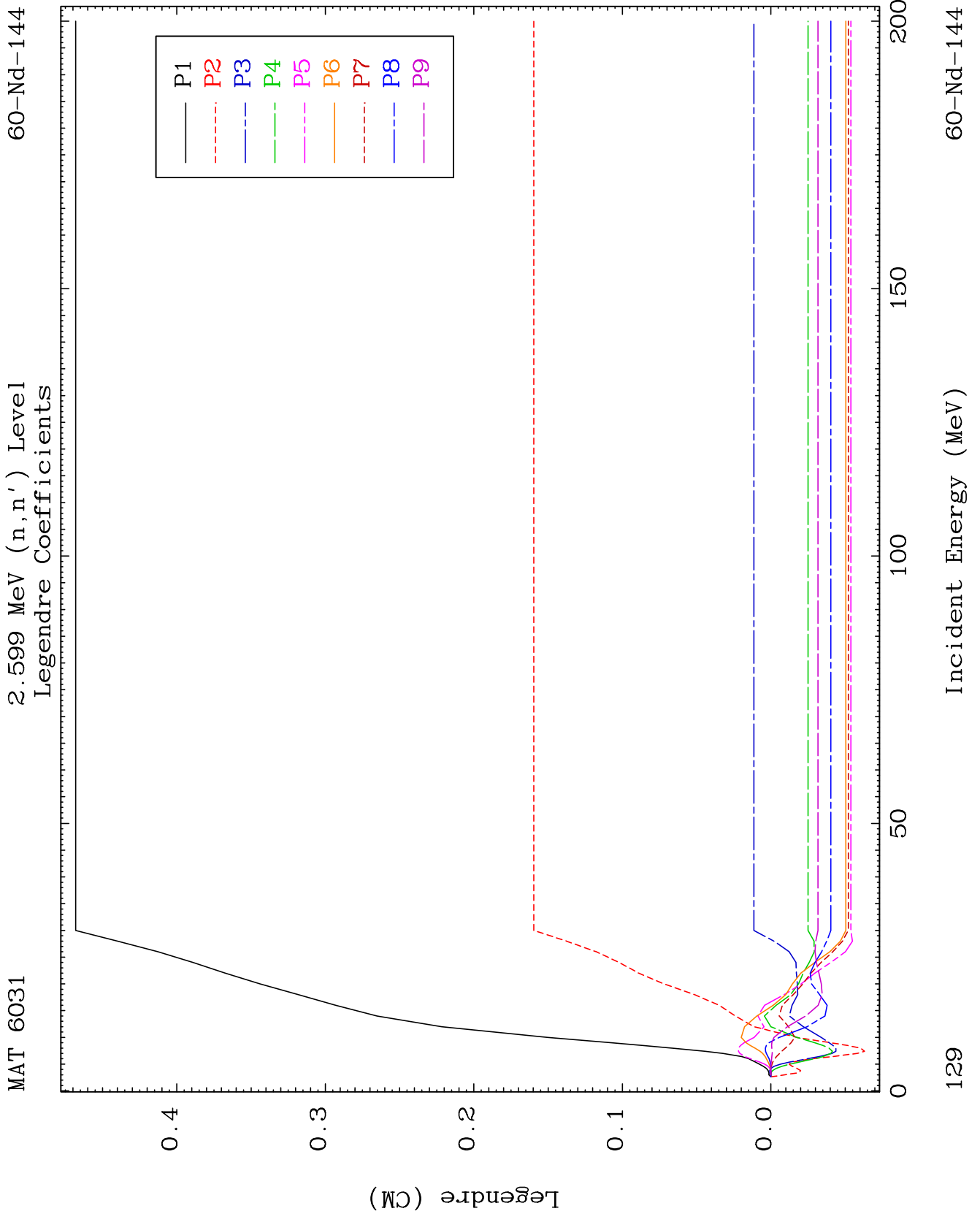


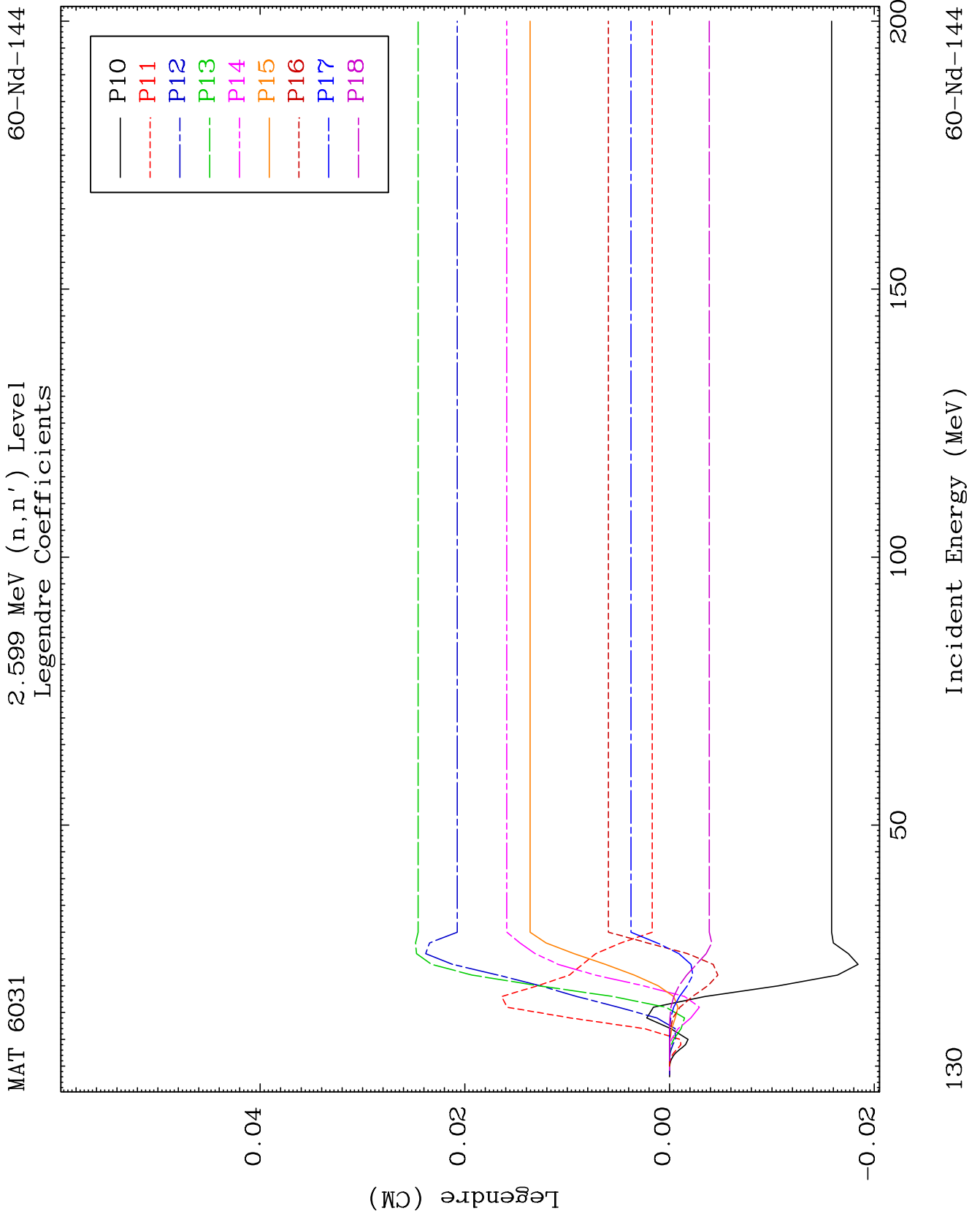
127

Incident Energy (MeV)

60-Nd-144



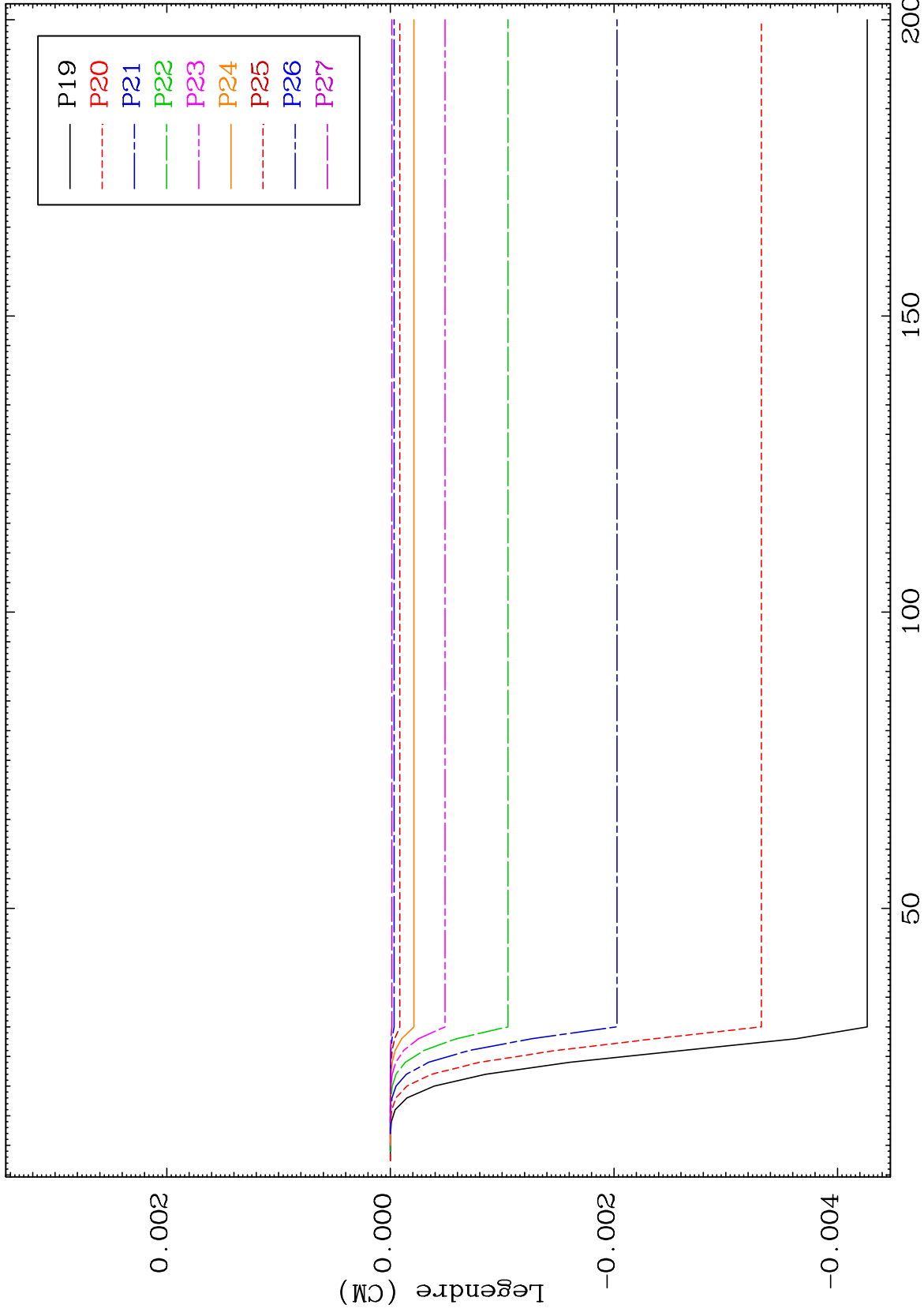




MAT 6031

2.599 MeV (n,n') Level
Legendre Coefficients

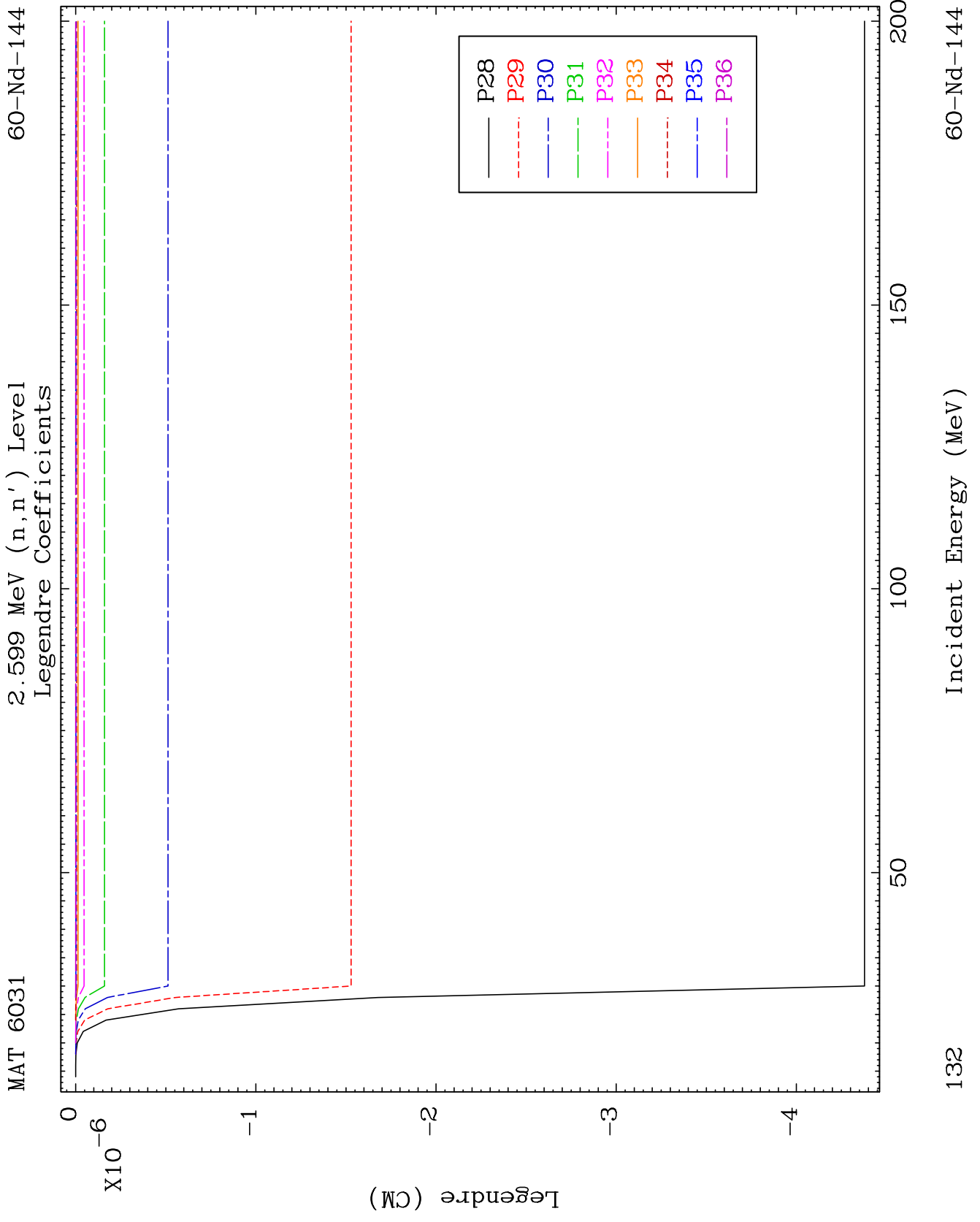
60-Nd-144



131

Incident Energy (MeV)

60-Nd-144

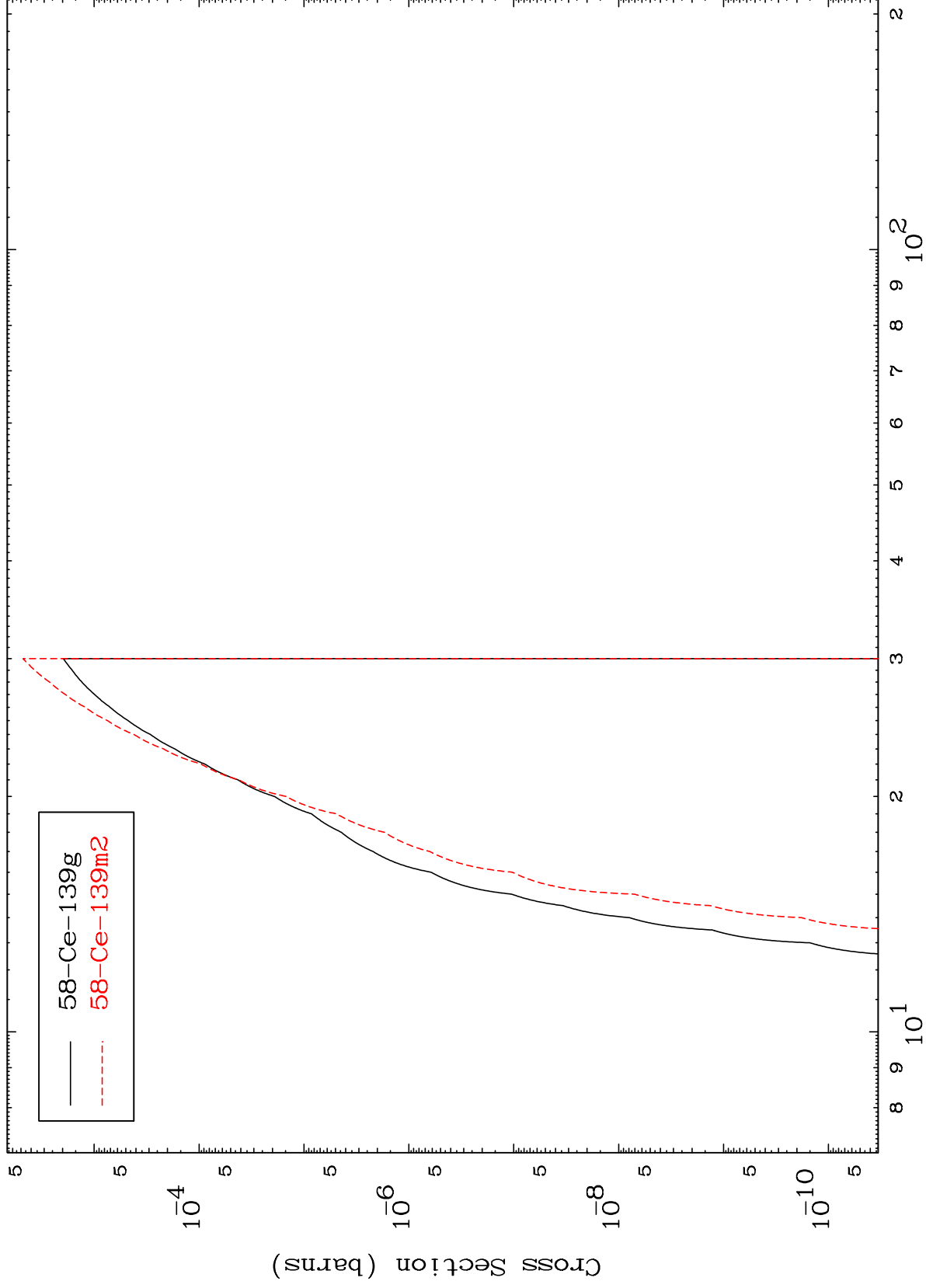


MAT 6031

60-Nd-144

(n,2n) α

Radionuclide Production Cross Section



60-Nd-144

Incident Energy (MeV)

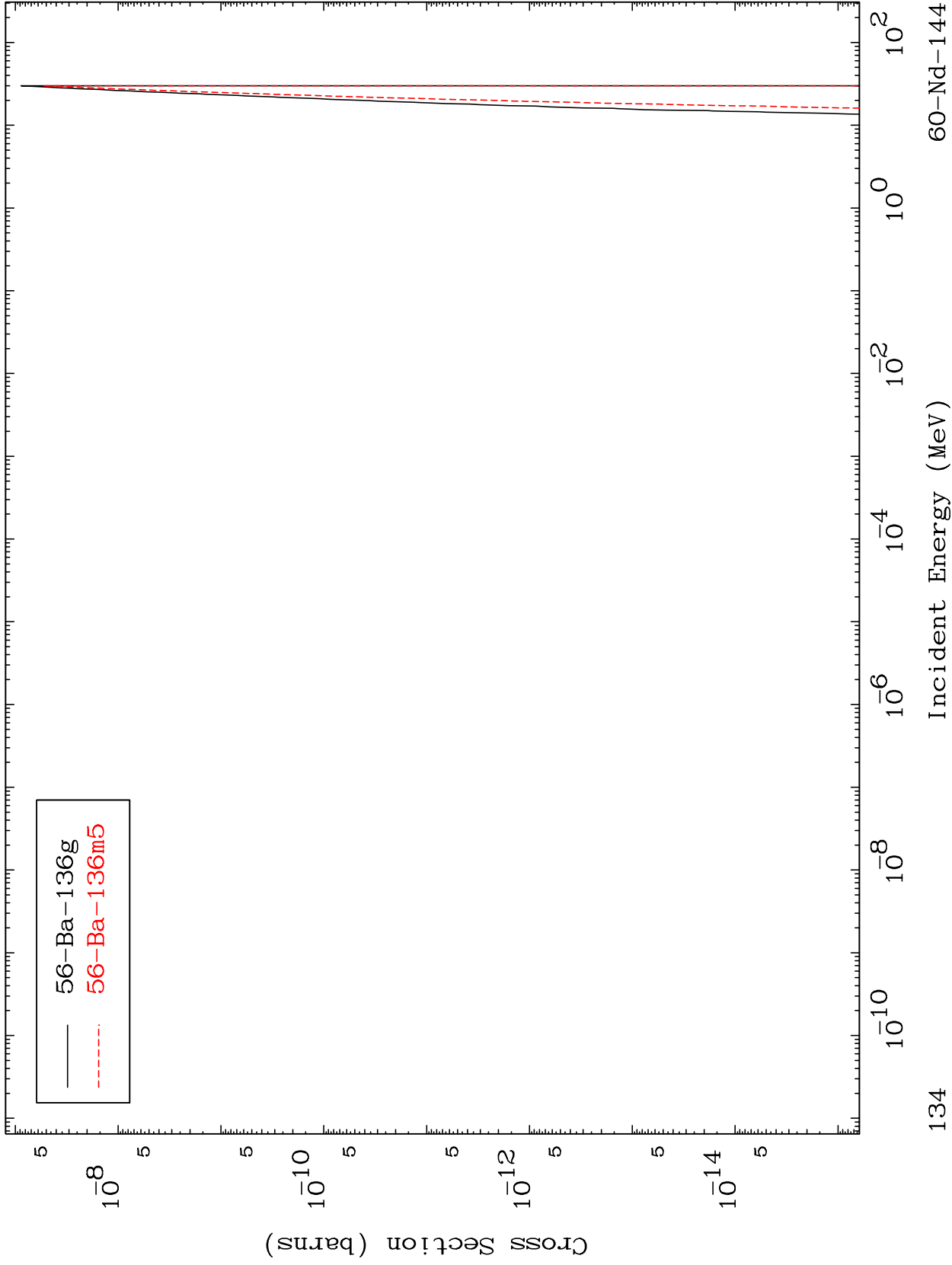
133

MAT 6031

(n,n') 2 α

60-Nd-144

Radionuclide Production Cross Section

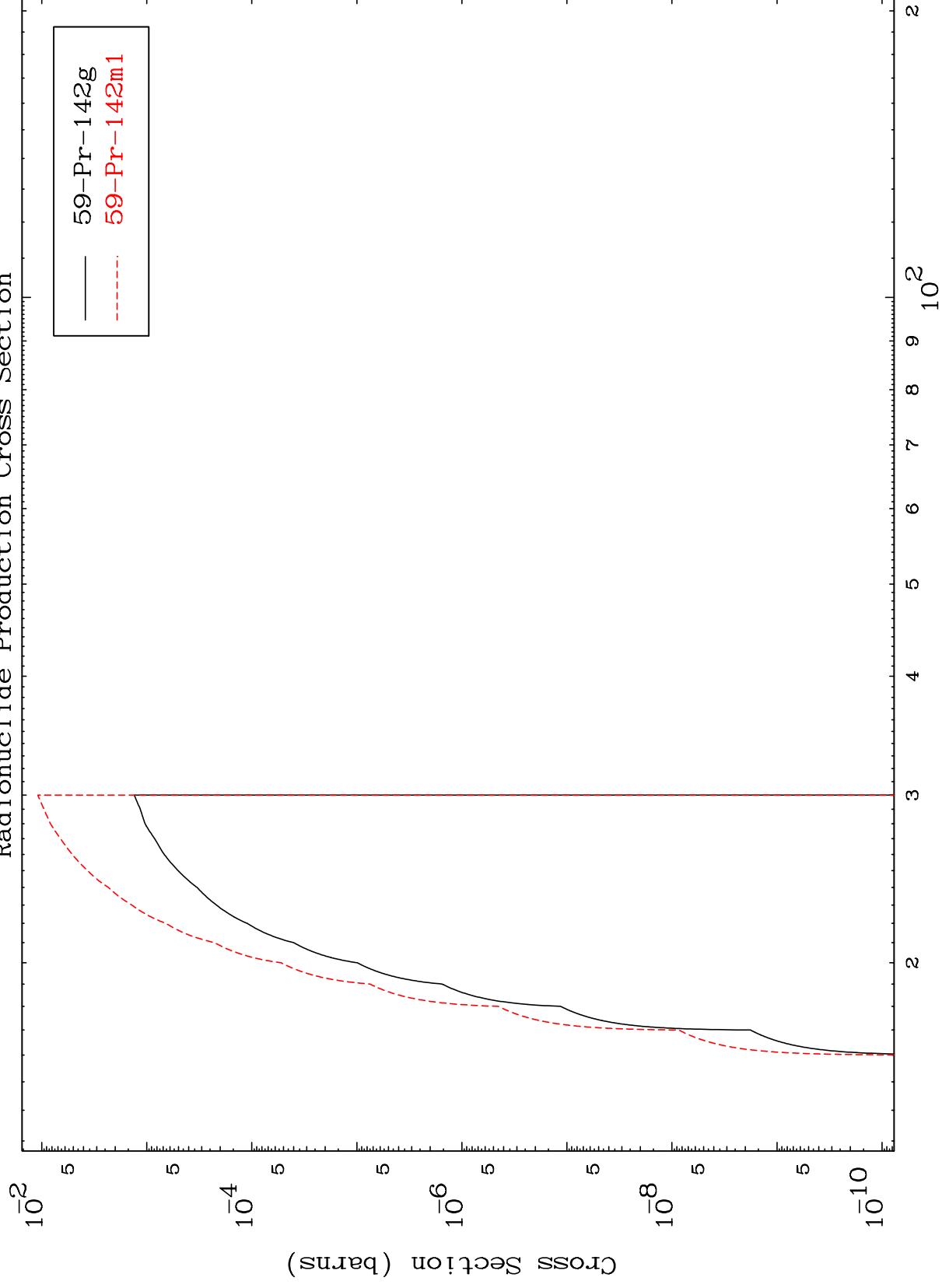


MAT 6031

(n,n') d

60-Nd-144

Radionuclide Production Cross Section



135

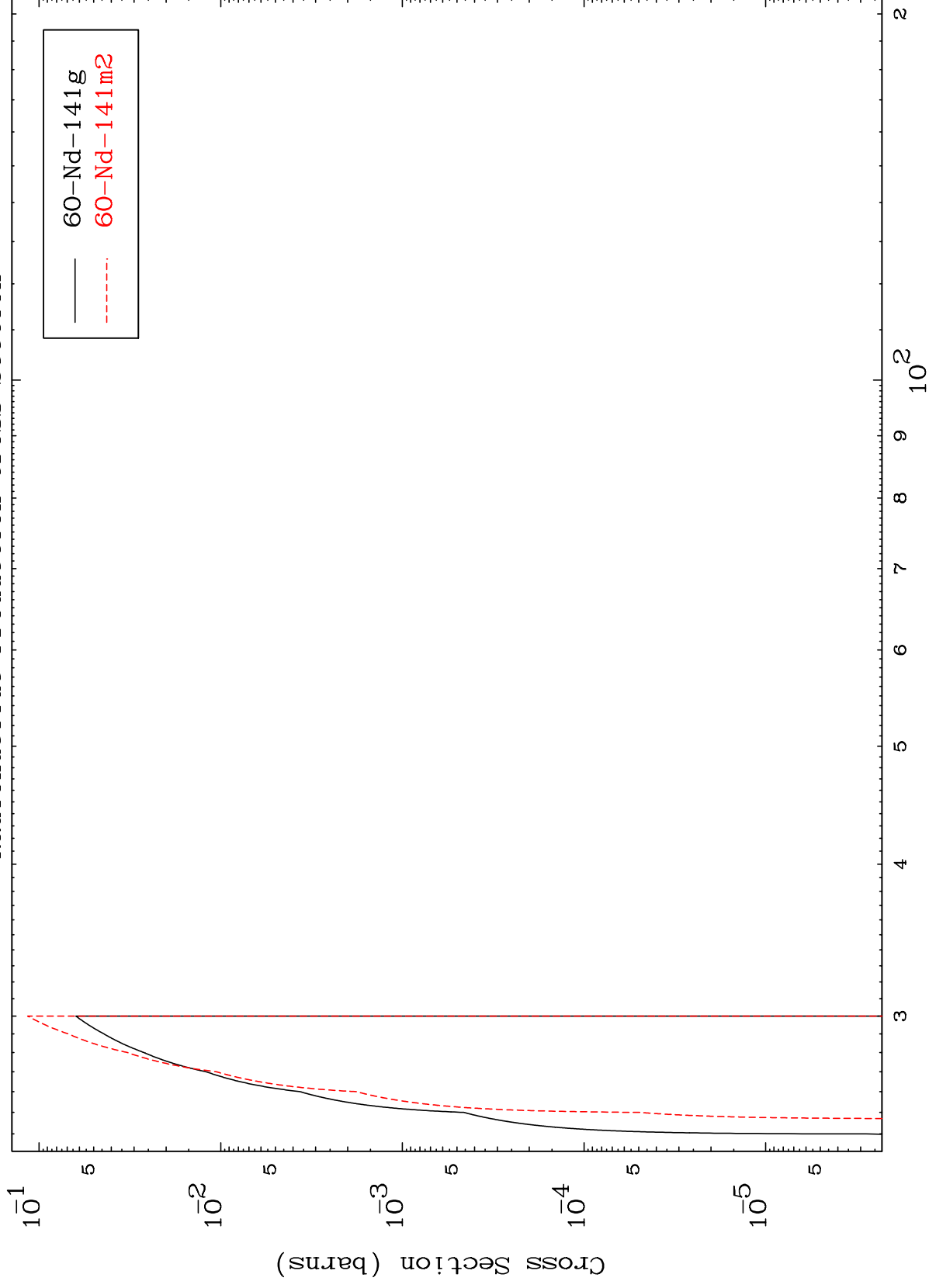
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n,4n)
Radionuclide Production Cross Section



136

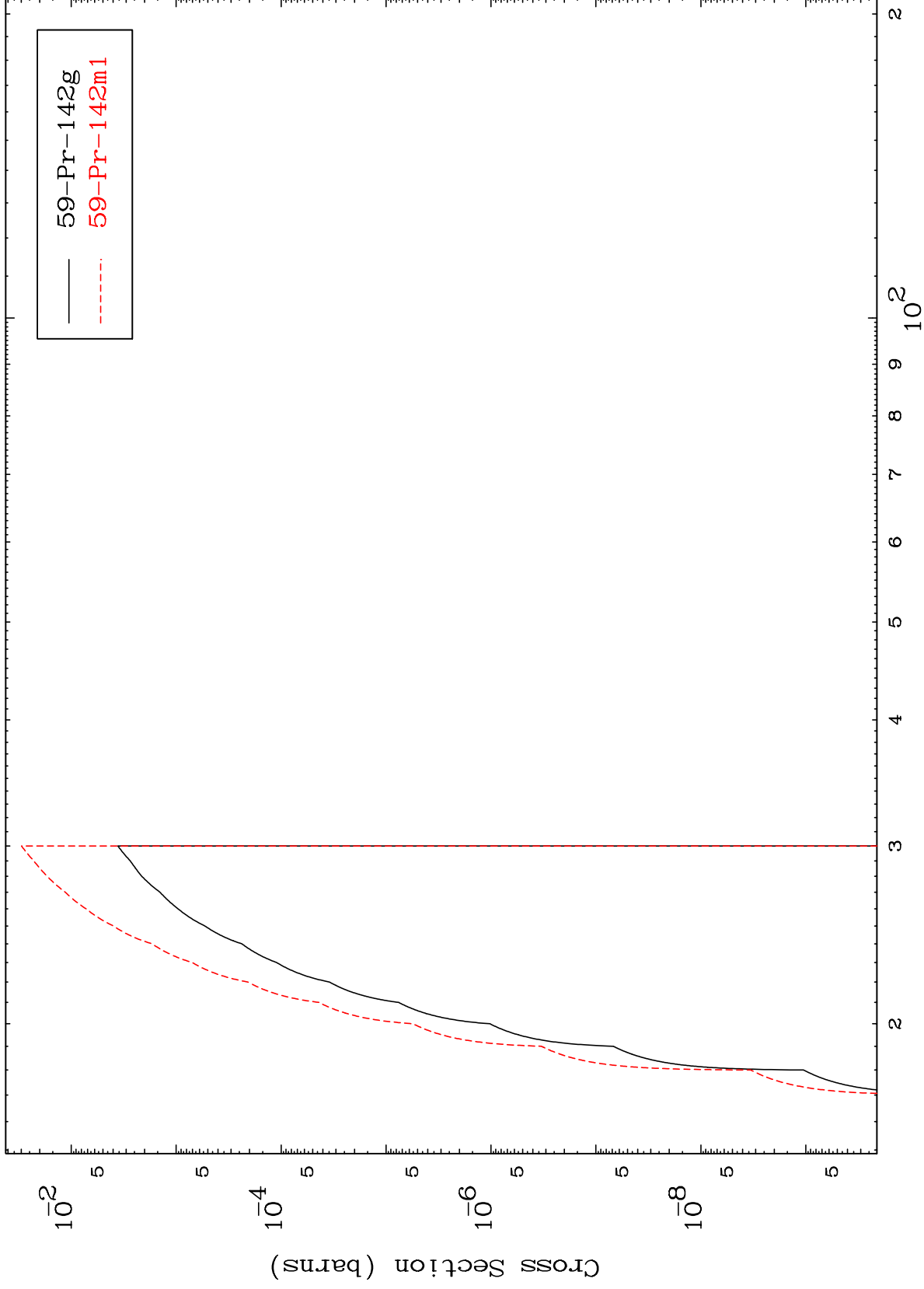
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n,2n) p
Radionuclide Production Cross Section



137

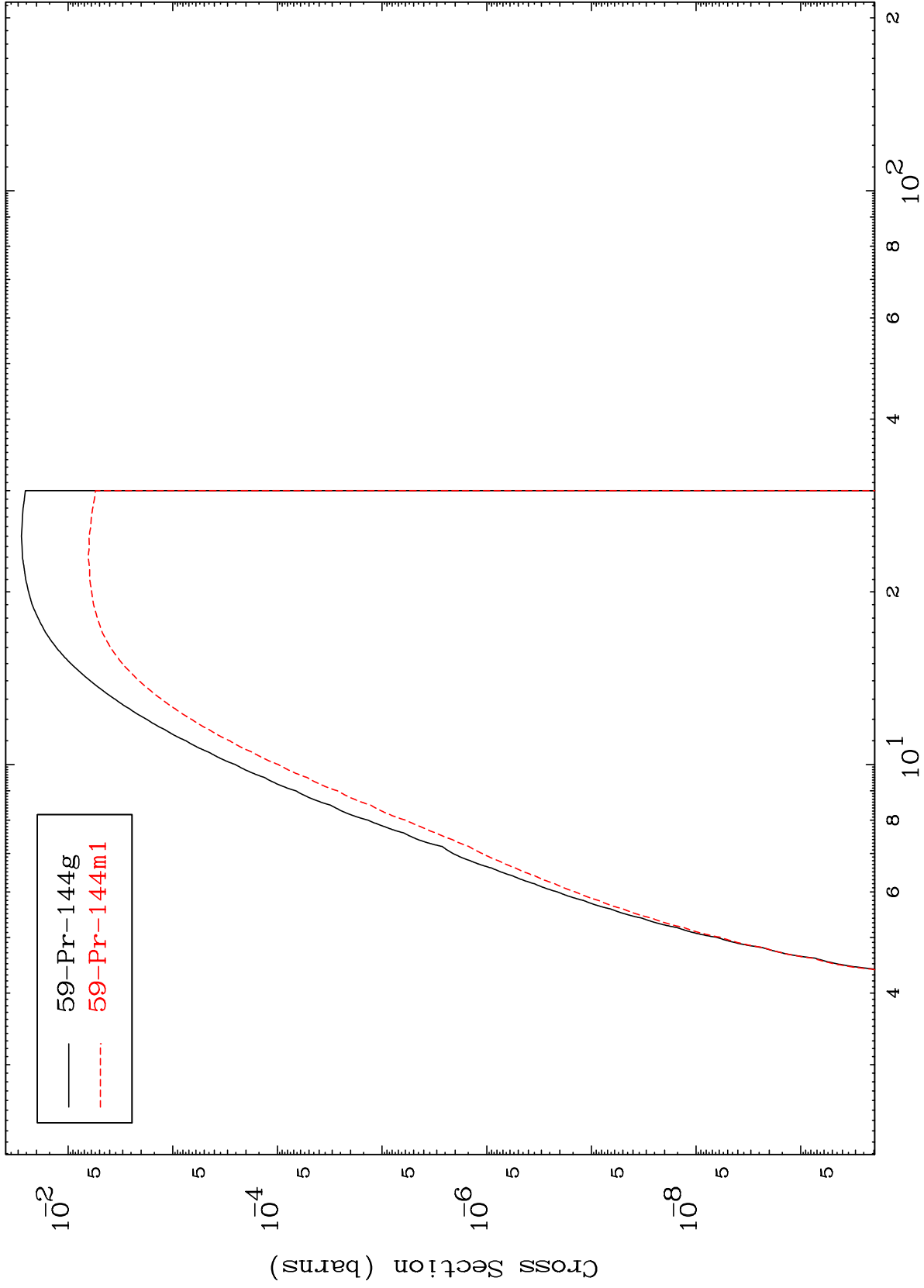
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n,p)
Radionuclide Production Cross Section



138

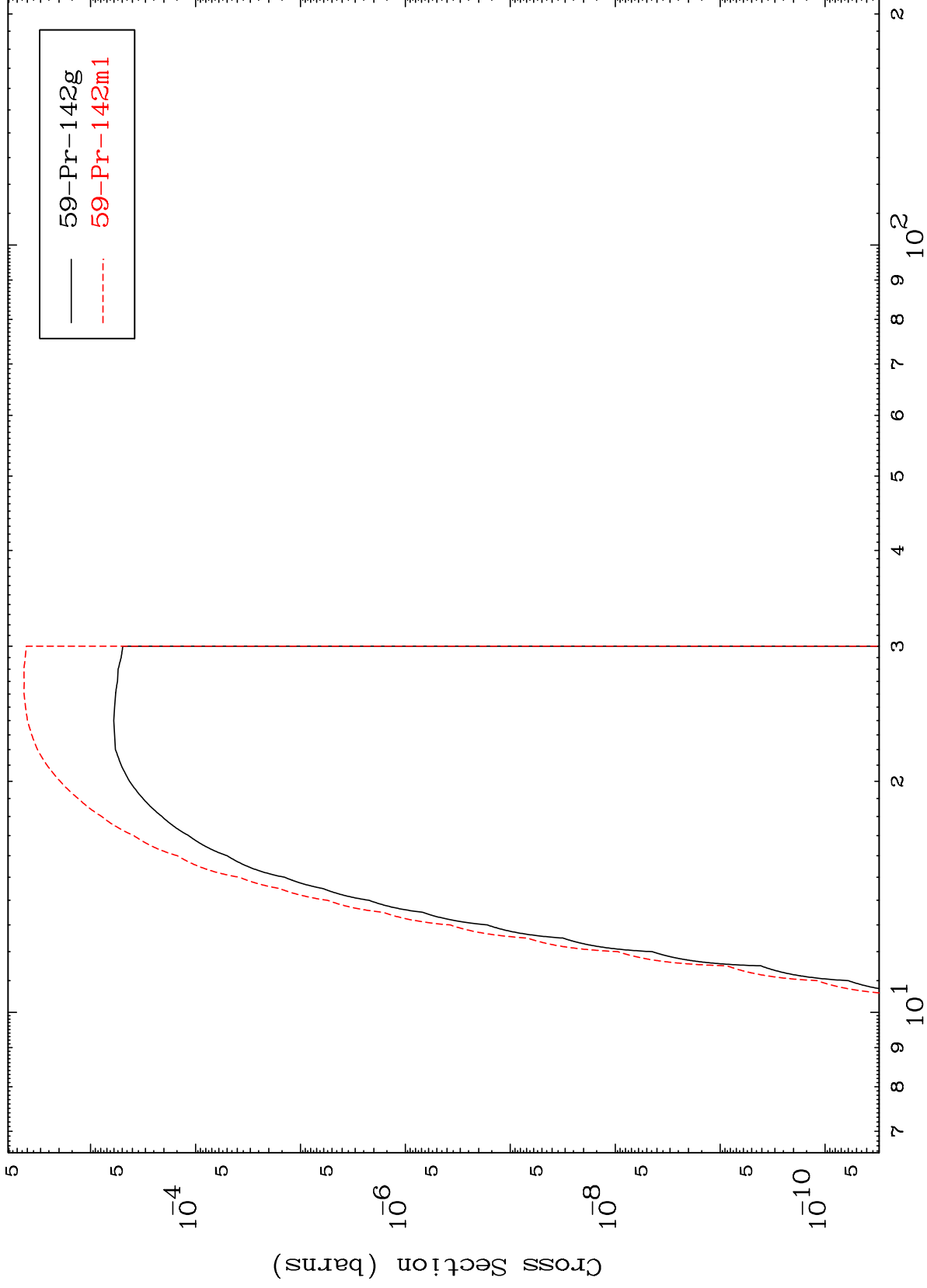
60-Nd-144

Incident Energy (MeV)

MAT 6031

60-Nd-144

(n,t)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

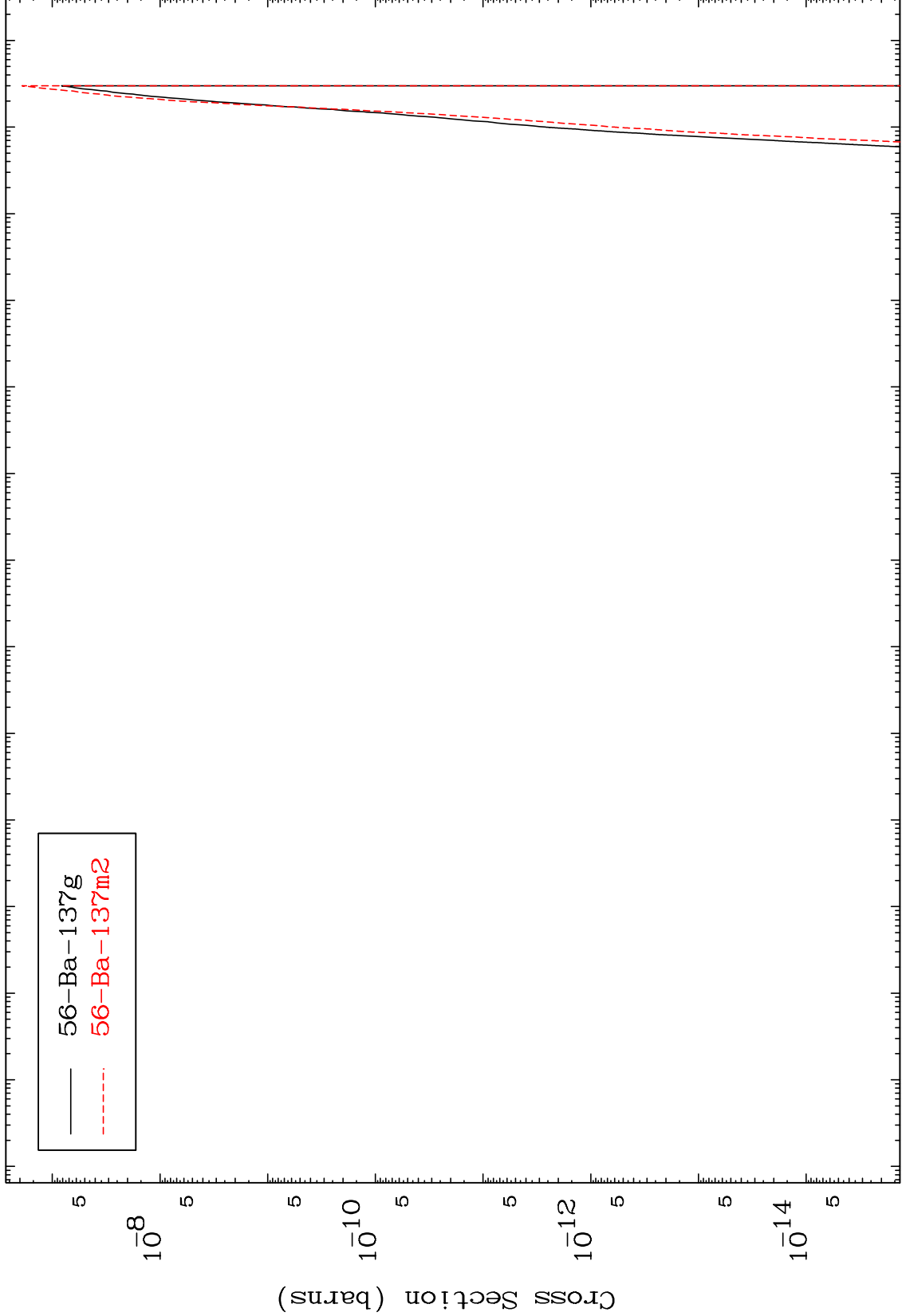
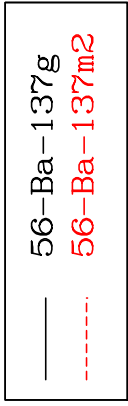
60-Nd-144

MAT 6031

(n,2α)

60-Nd-144

Radionuclide Production Cross Section



10⁻¹⁰ 10⁻⁸ 10⁻⁶ 10⁻⁴ 10⁻² 10⁰ 10²

140

Incident Energy (MeV)

60-Nd-144