

Program EVALPLOT
(Version 2021-1)

by

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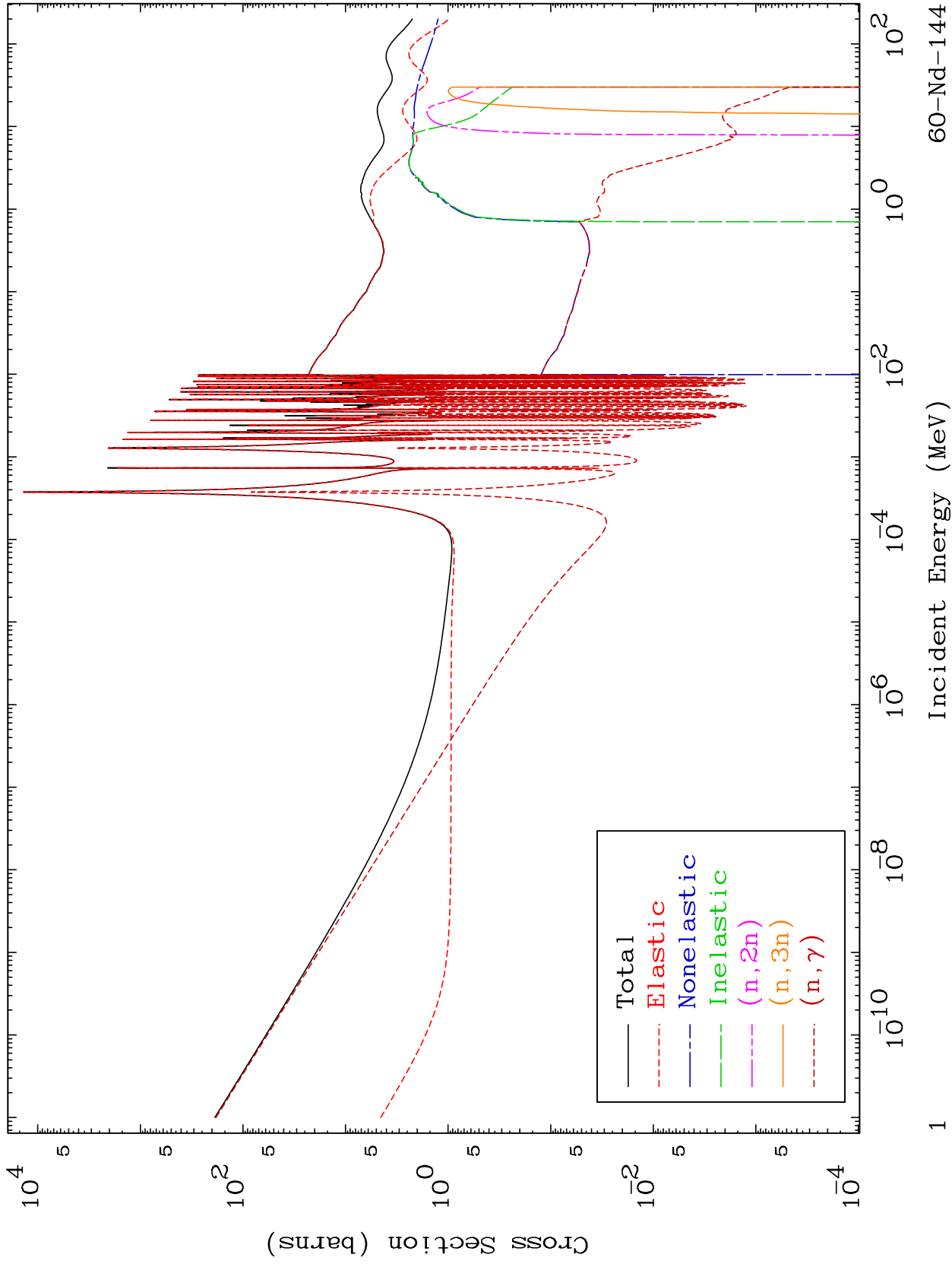
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6031

Neutron Major
293 Kelvin Cross Sections

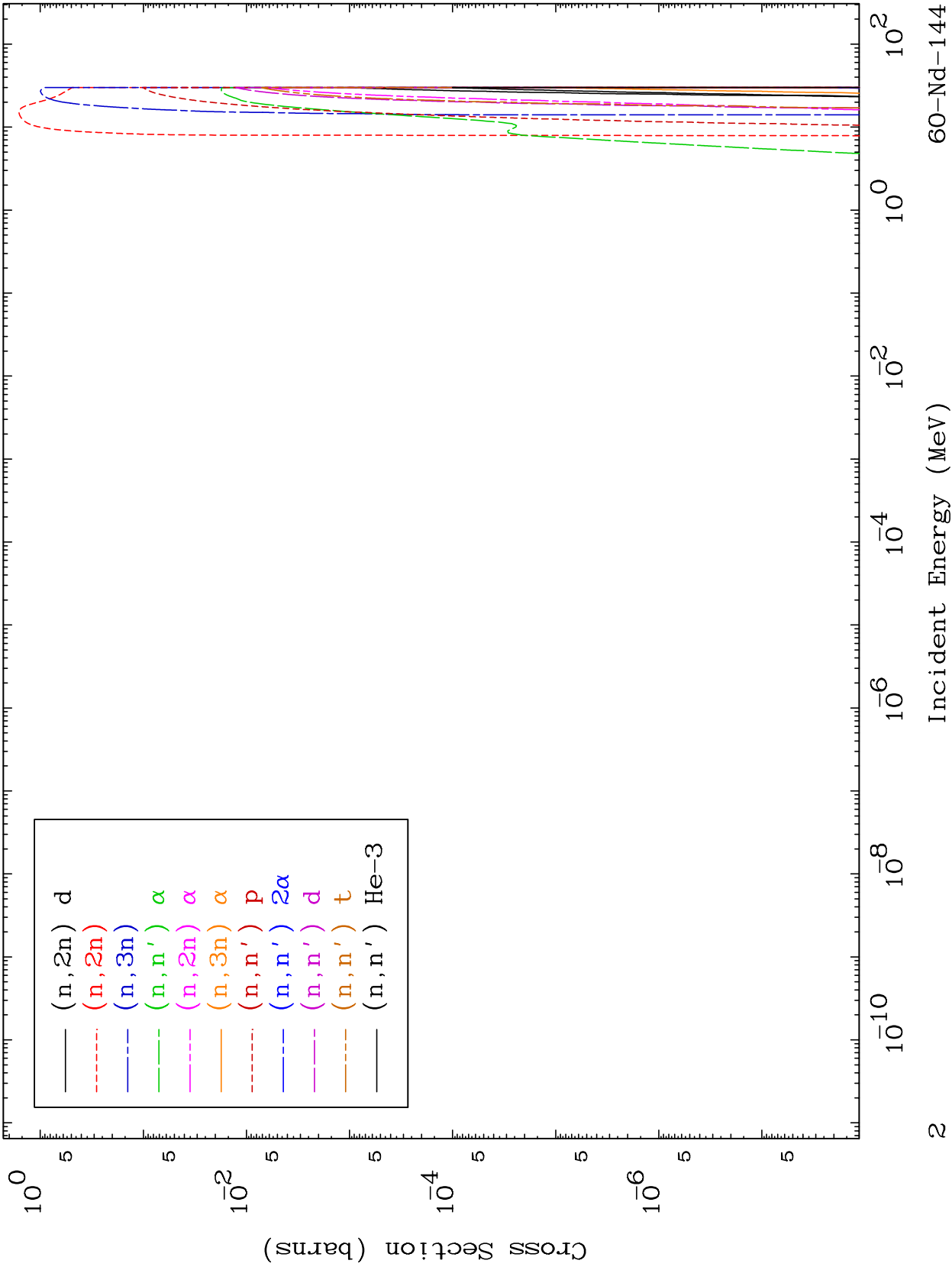
60-Nd-144



MAT 6031

Neutron Absorption
293 Kelvin Cross Sections

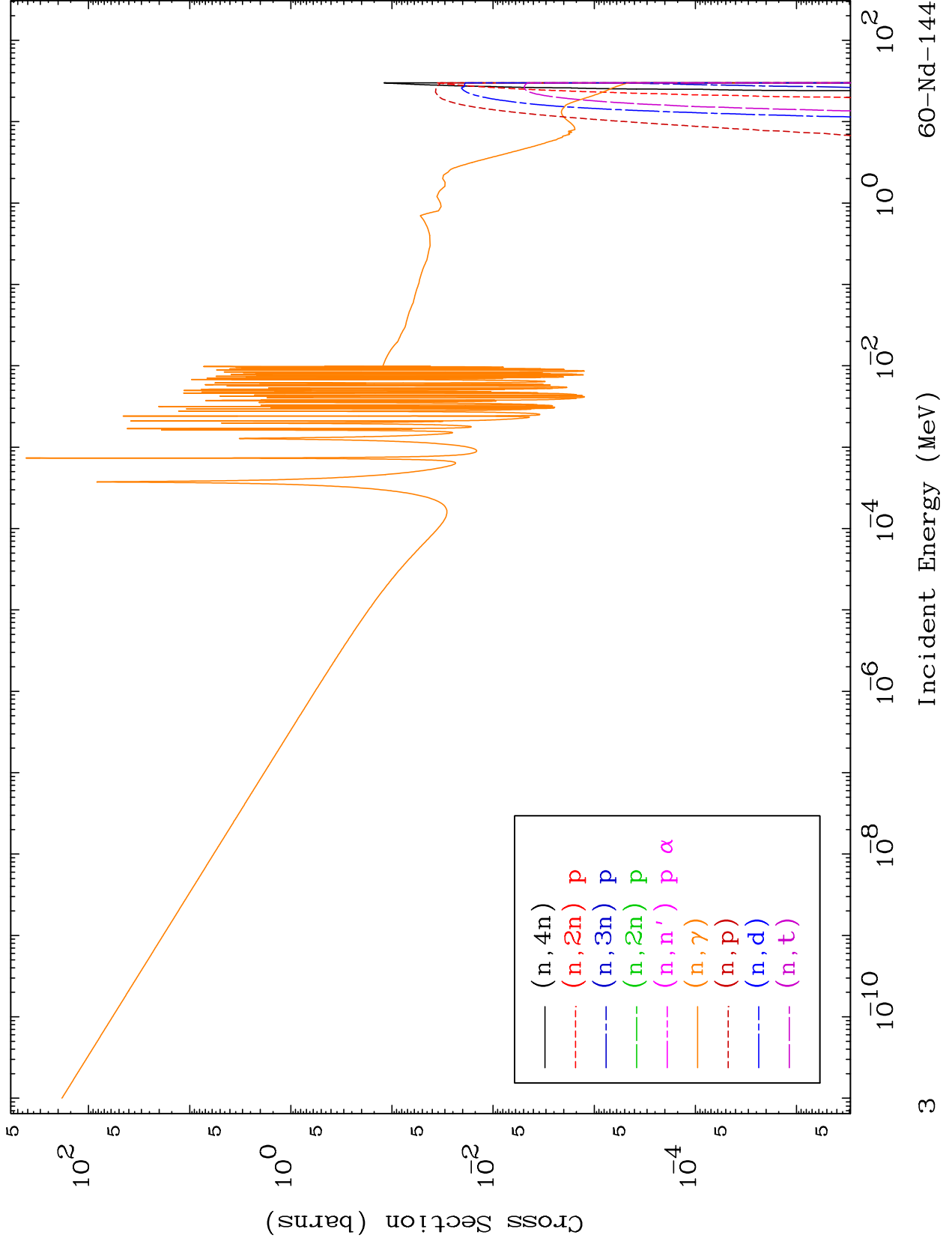
60-Nd-144

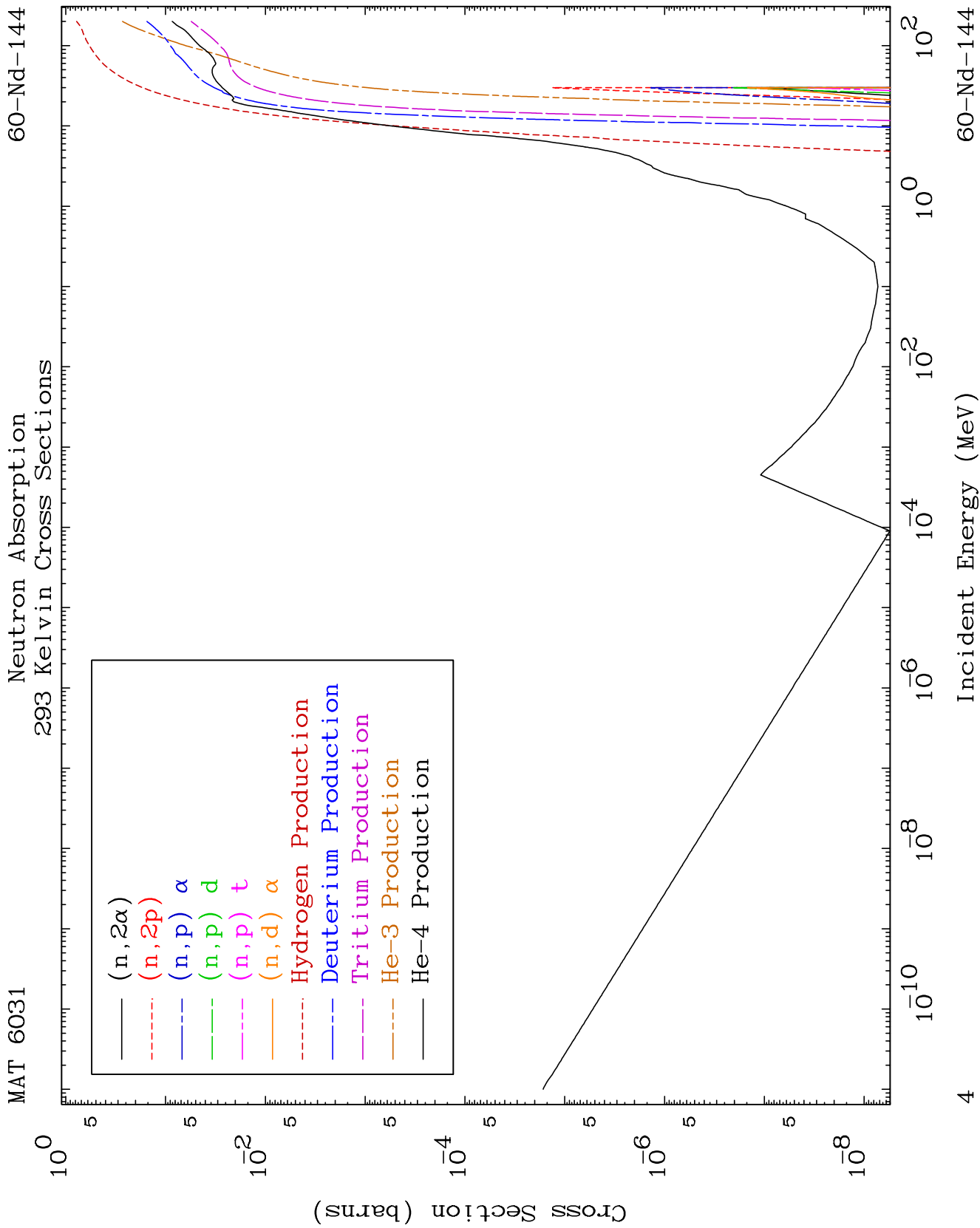


MAT 6031

Neutron Absorption
293 Kelvin Cross Sections

60-Nd-144

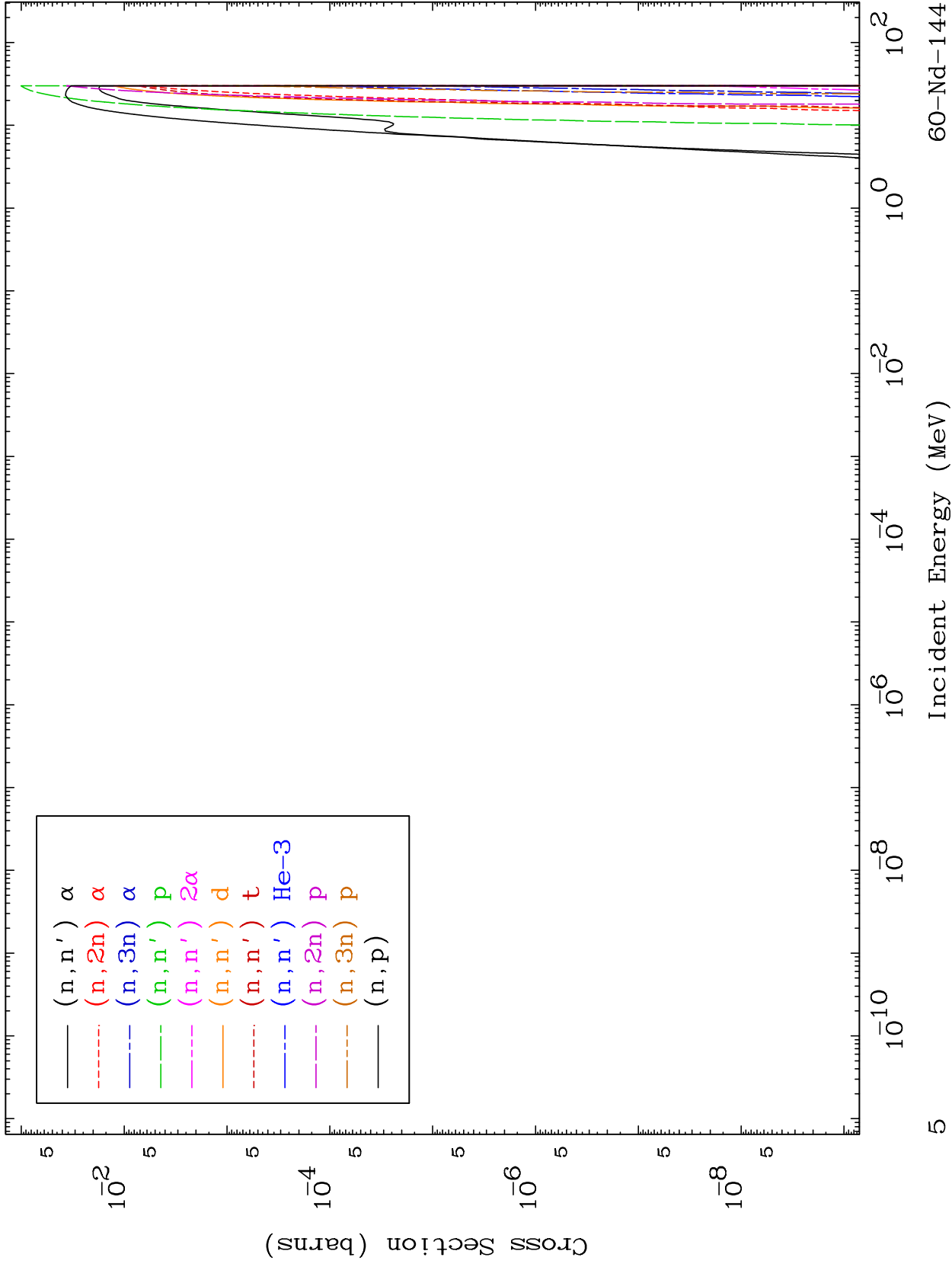




MAT 6031

Charged Particle
293 Kelvin Cross Sections

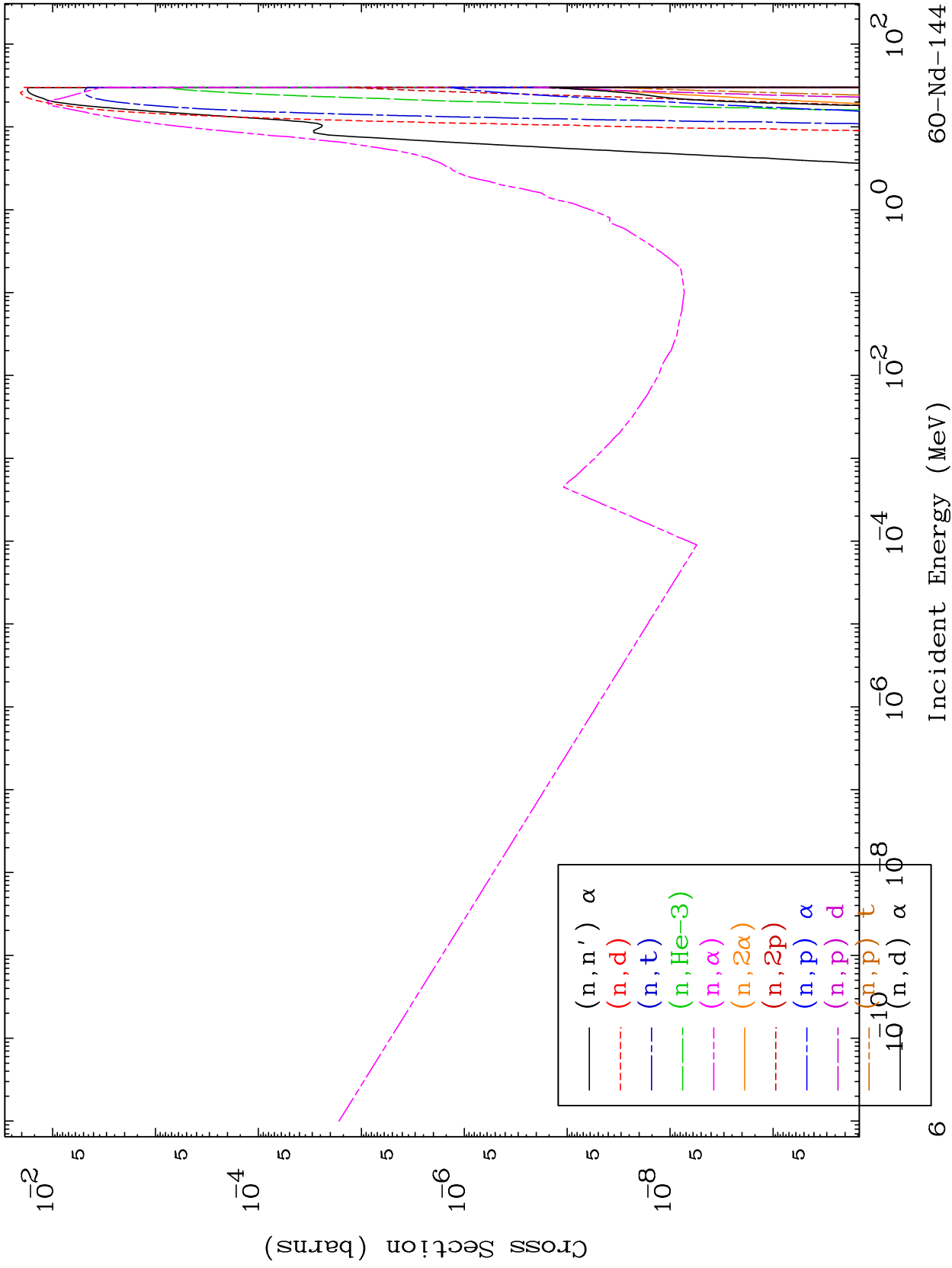
60-Nd-144



MAT 6031

Charged Particle
293 Kelvin Cross Sections

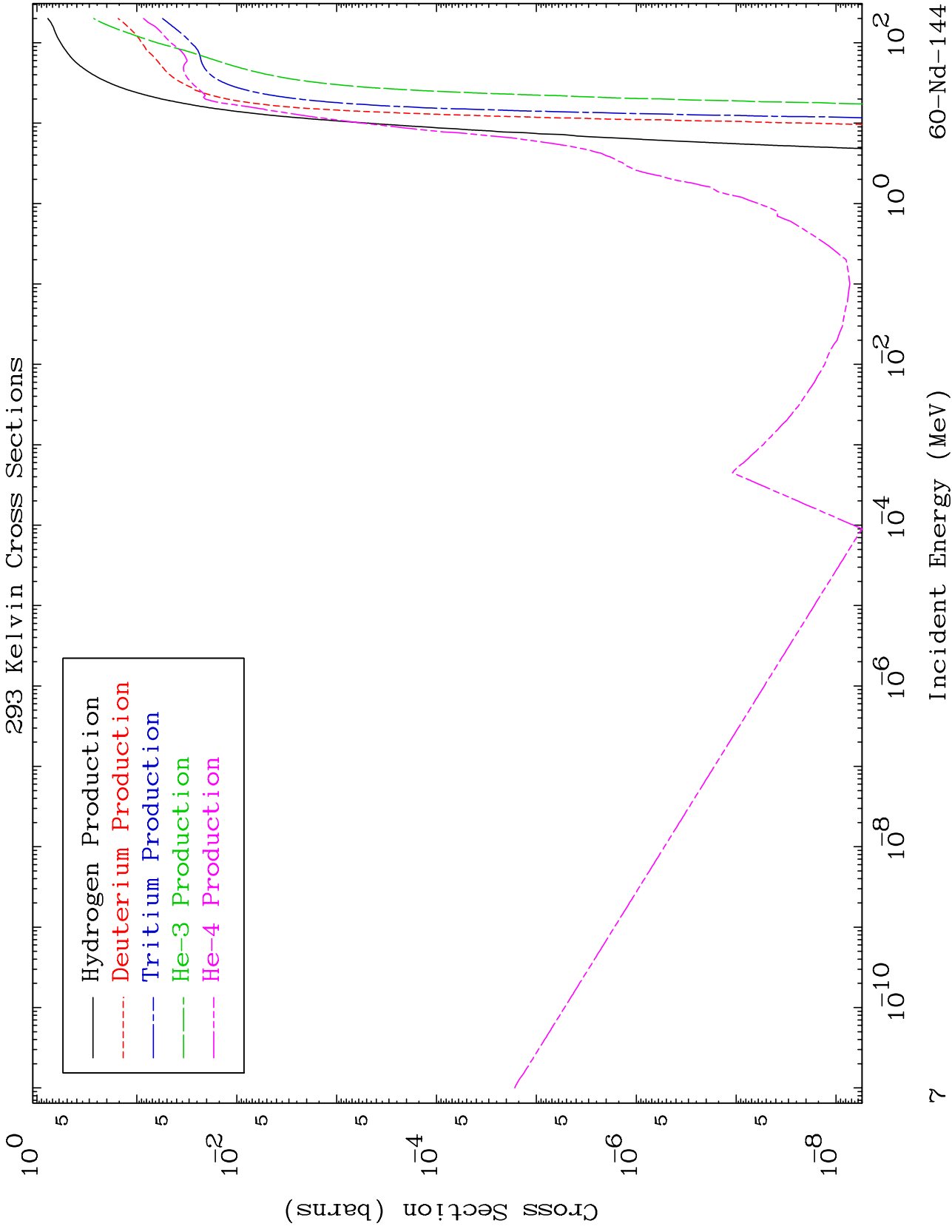
60-Nd-144



MAT 6031

Particle Production
293 Kelvin Cross Sections

60-Nd-144

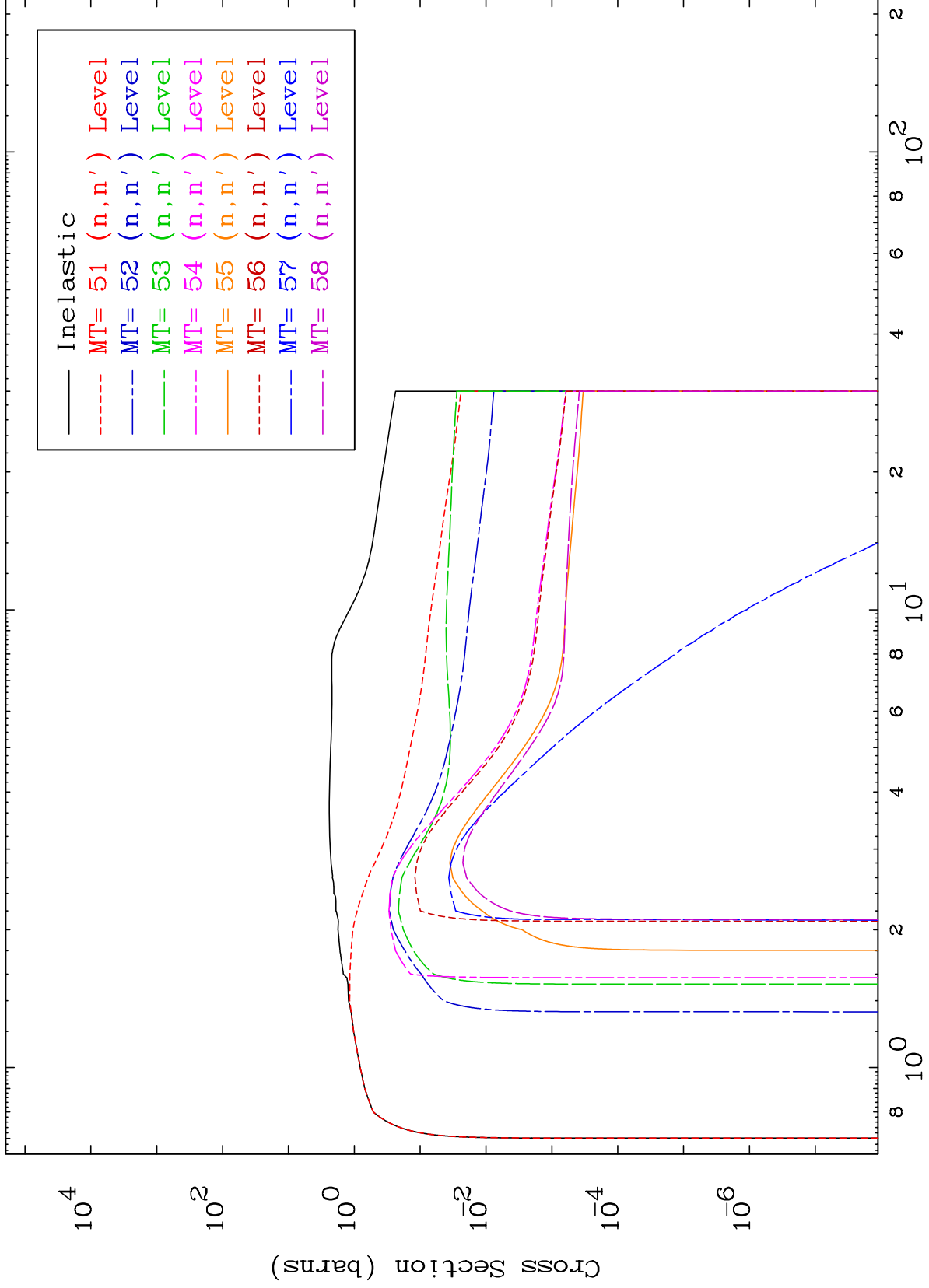


MAT 6031

(n,n') Levels

60-Nd-144

293 Kelvin Cross Sections



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Incident Energy (MeV)

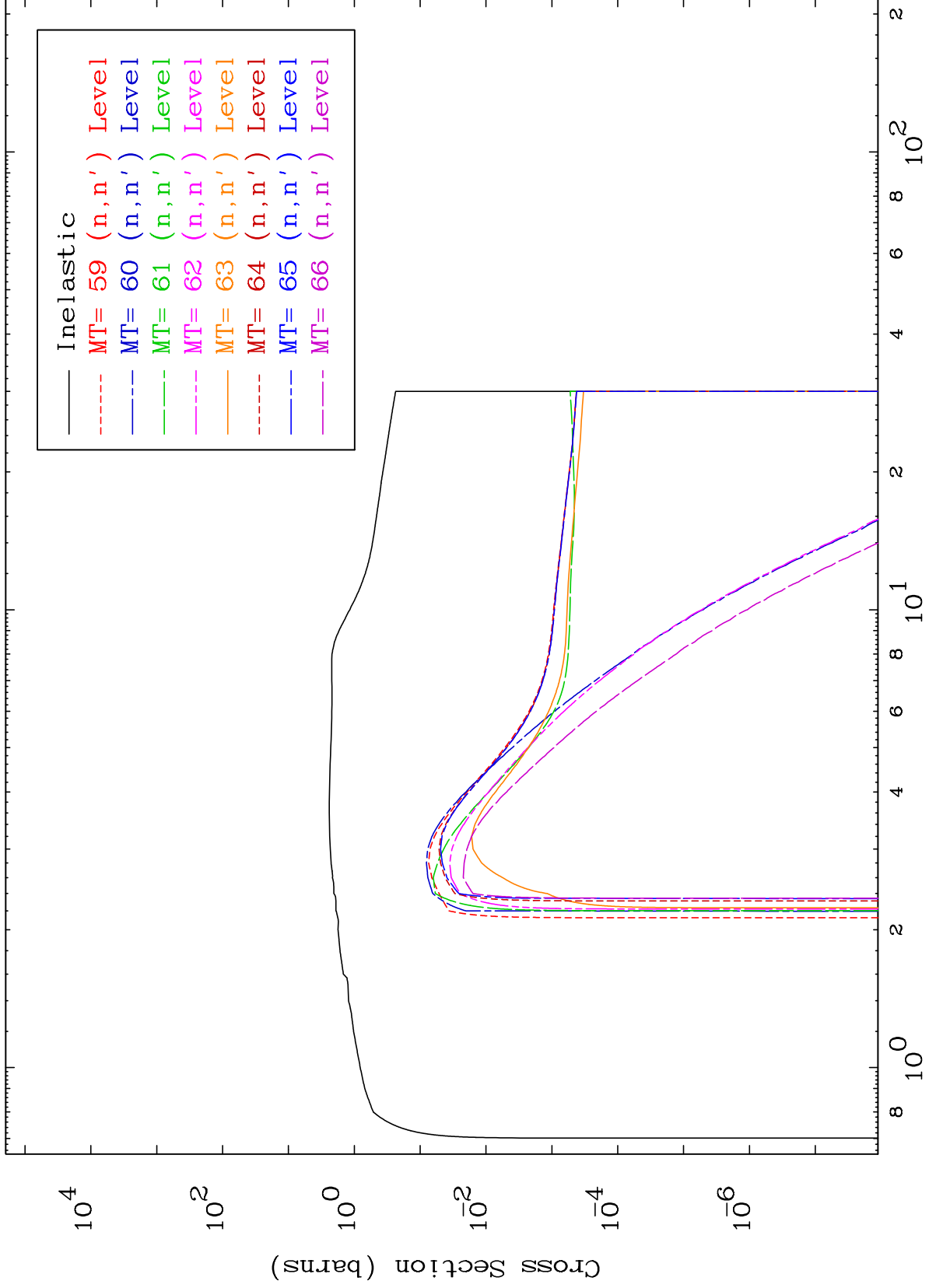
60-Nd-144

MAT 6031

(n,n') Levels

60-Nd-144

293 Kelvin Cross Sections

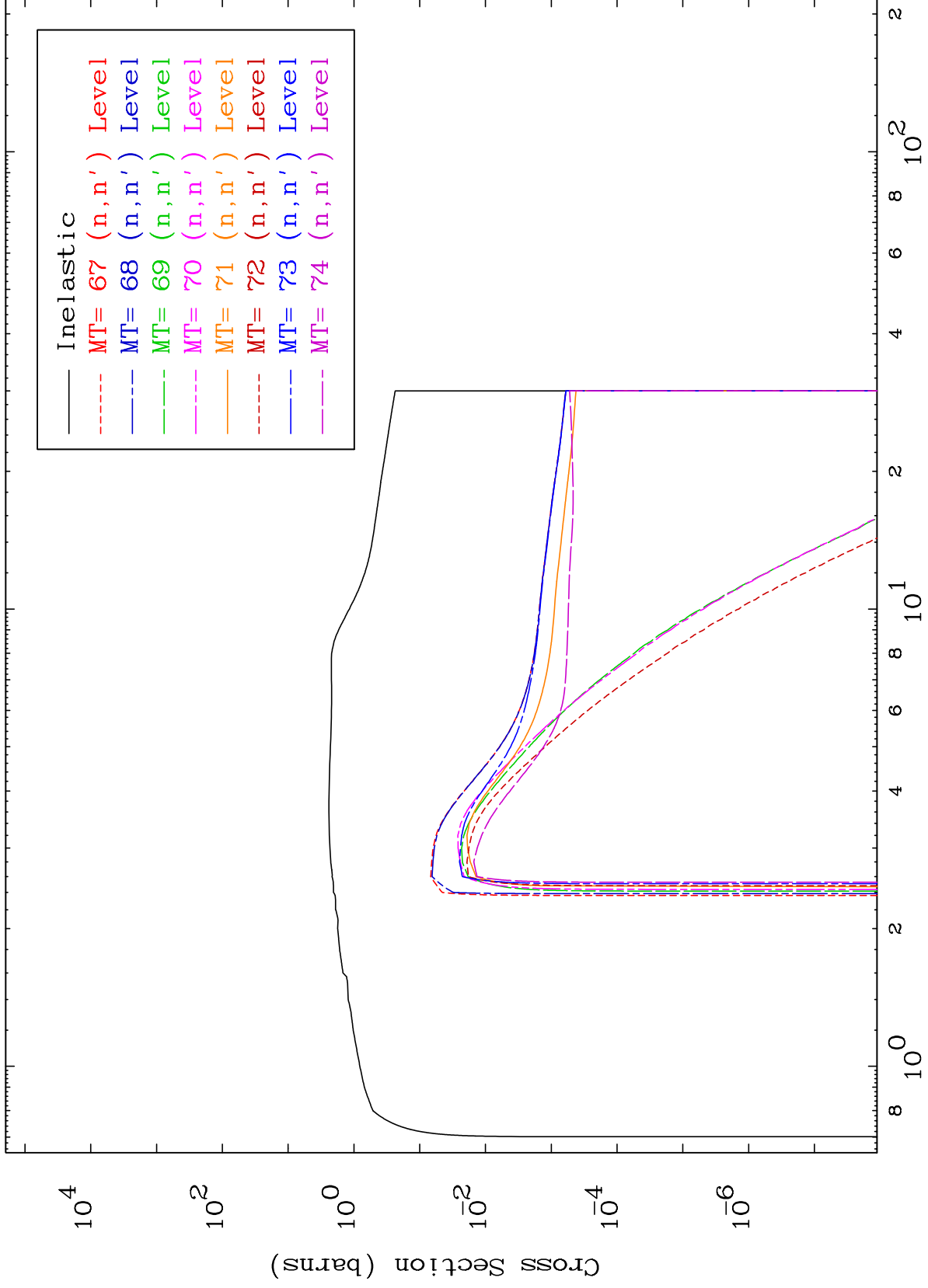


MAT 6031

(n,n') Levels

60-Nd-144

293 Kelvin Cross Sections



10

Incident Energy (MeV)

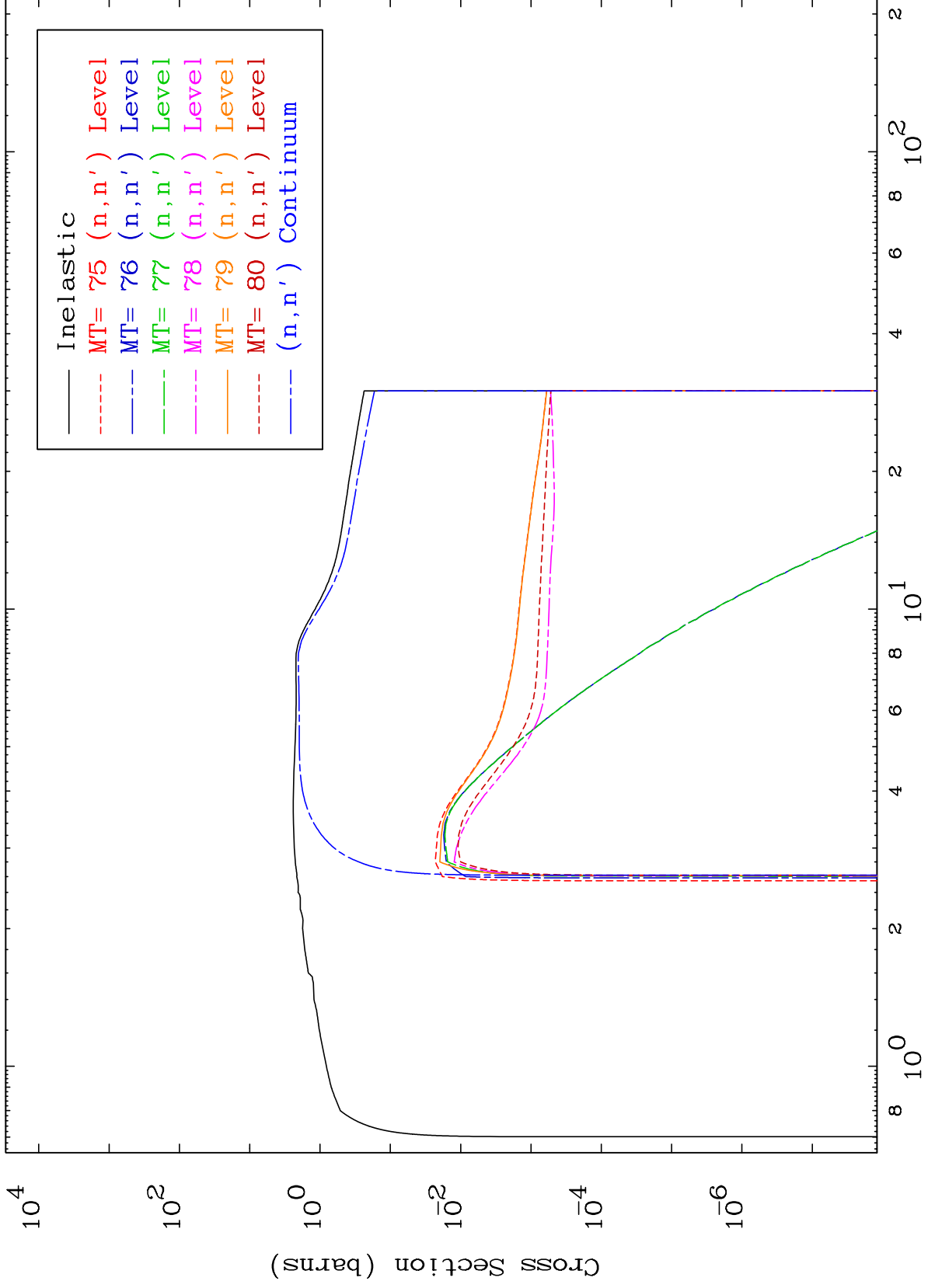
60-Nd-144

MAT 6031

(n,n') Levels

60-Nd-144

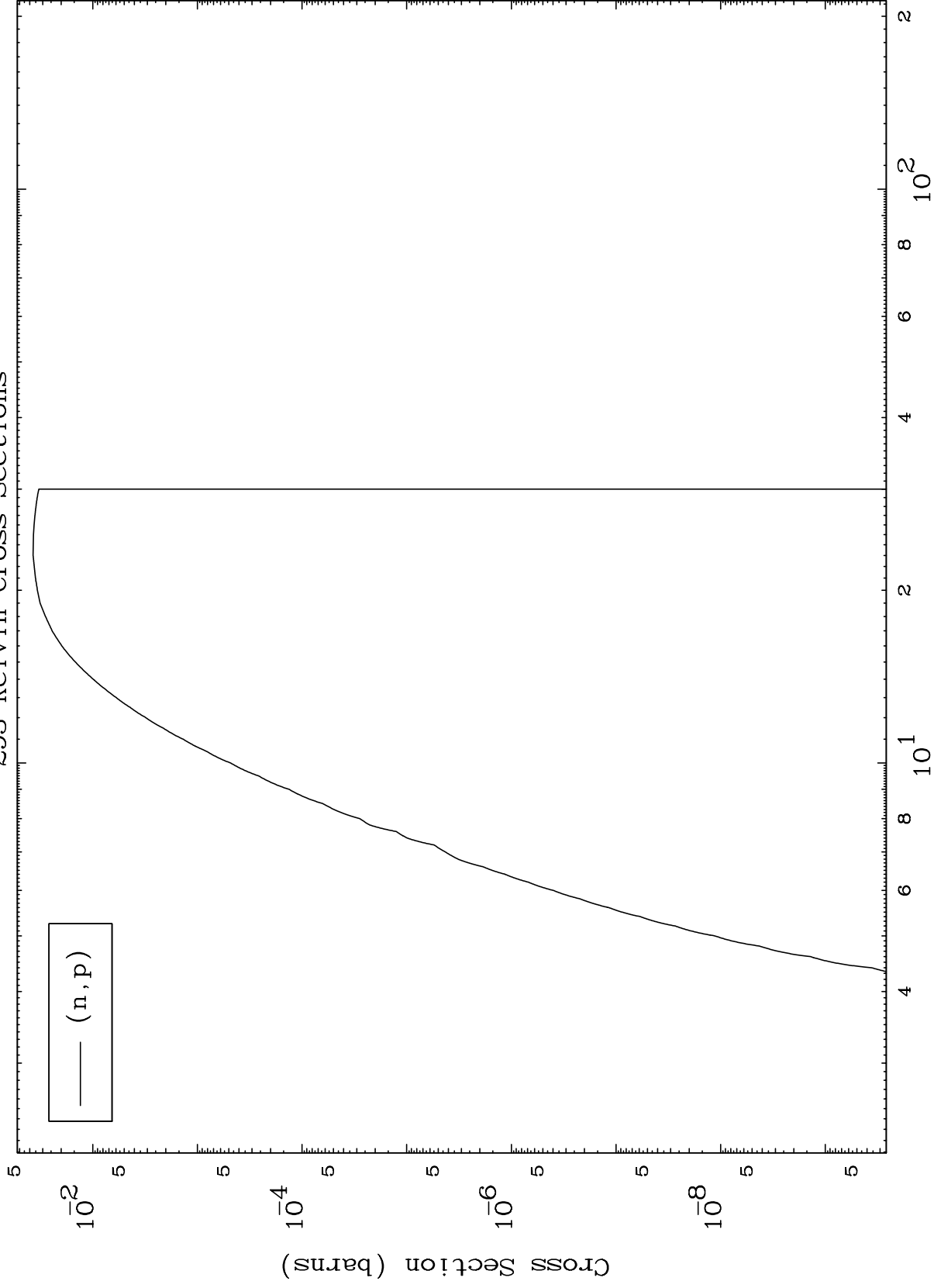
293 Kelvin Cross Sections



MAT 6031

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-144



12

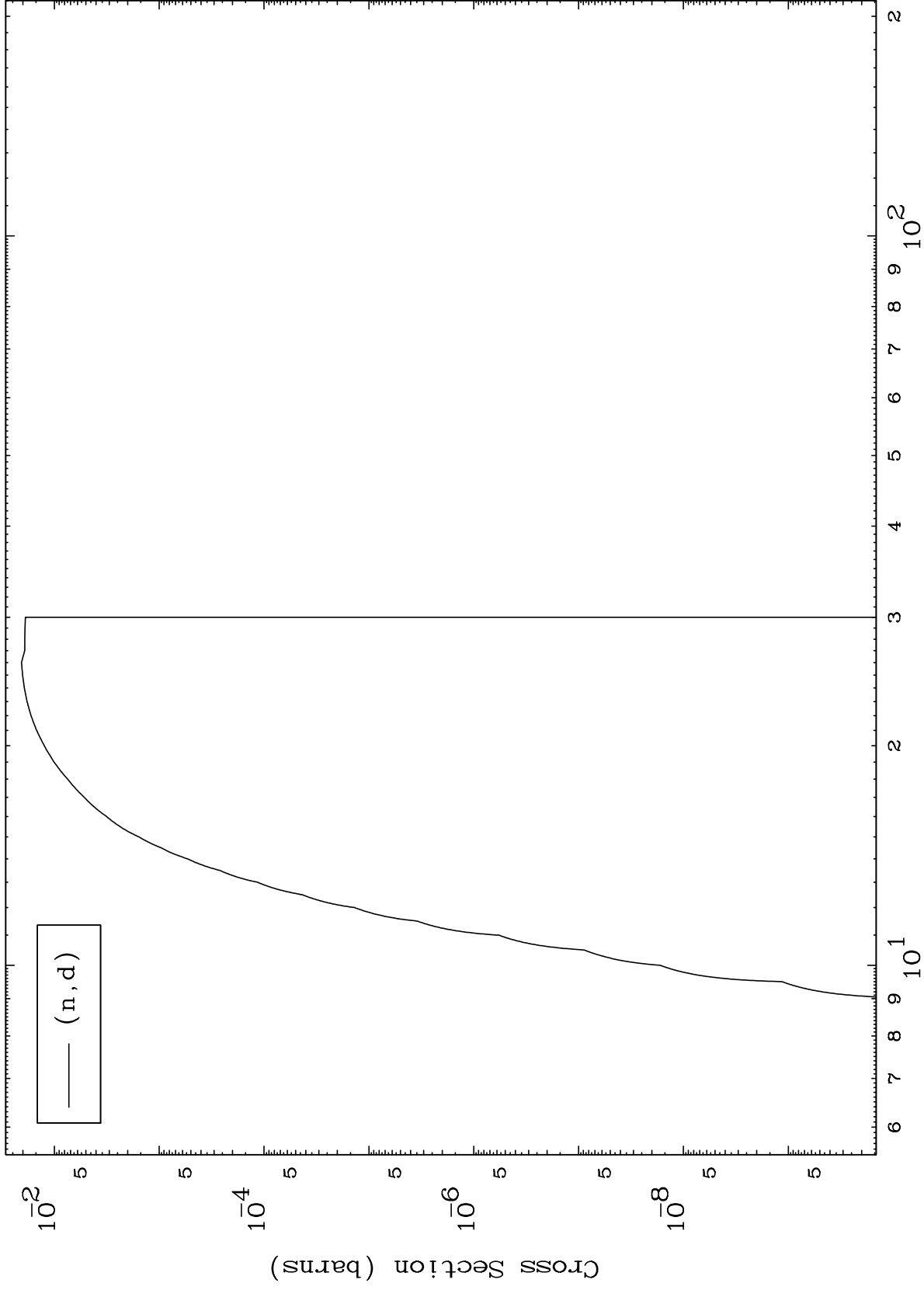
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-144



13

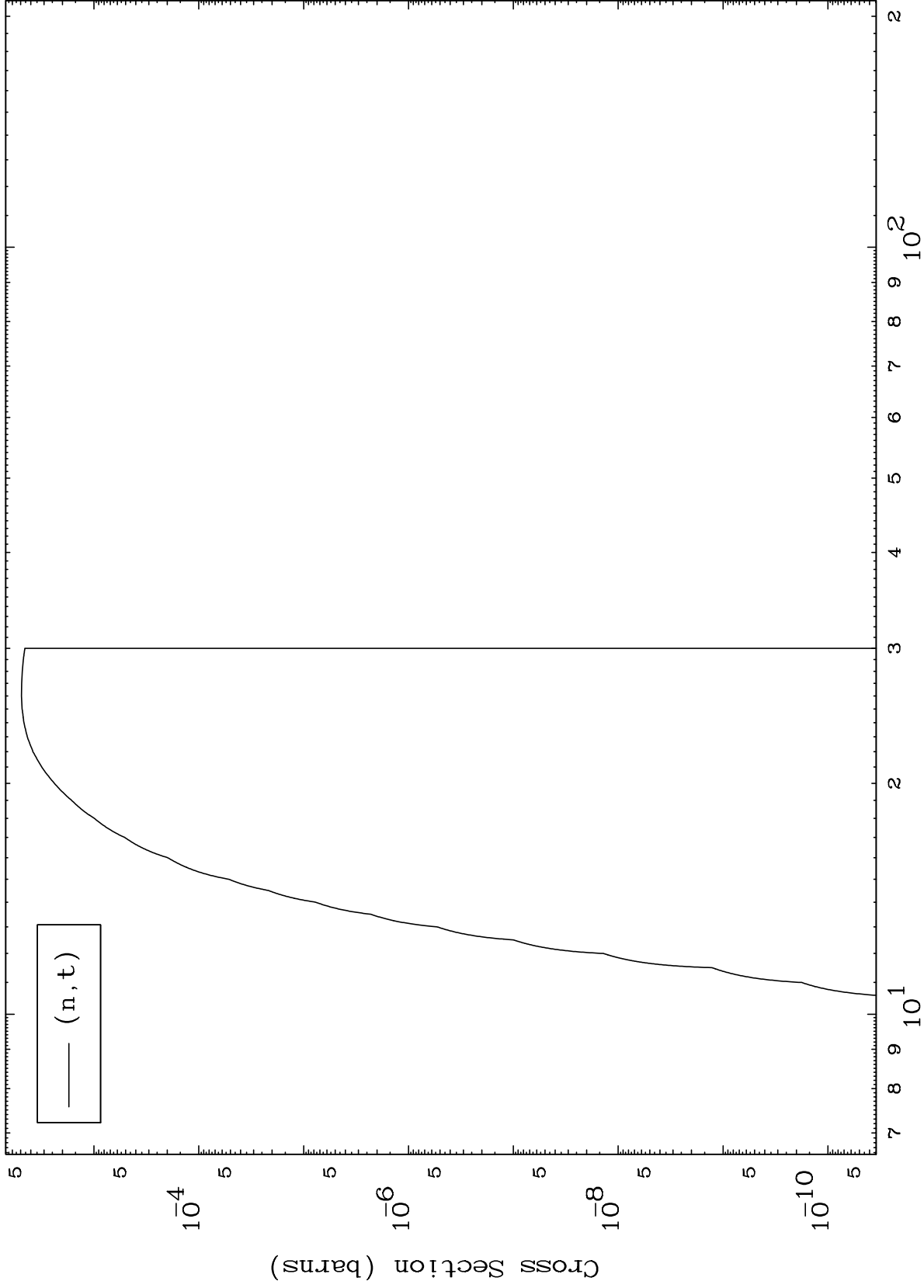
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-144



14

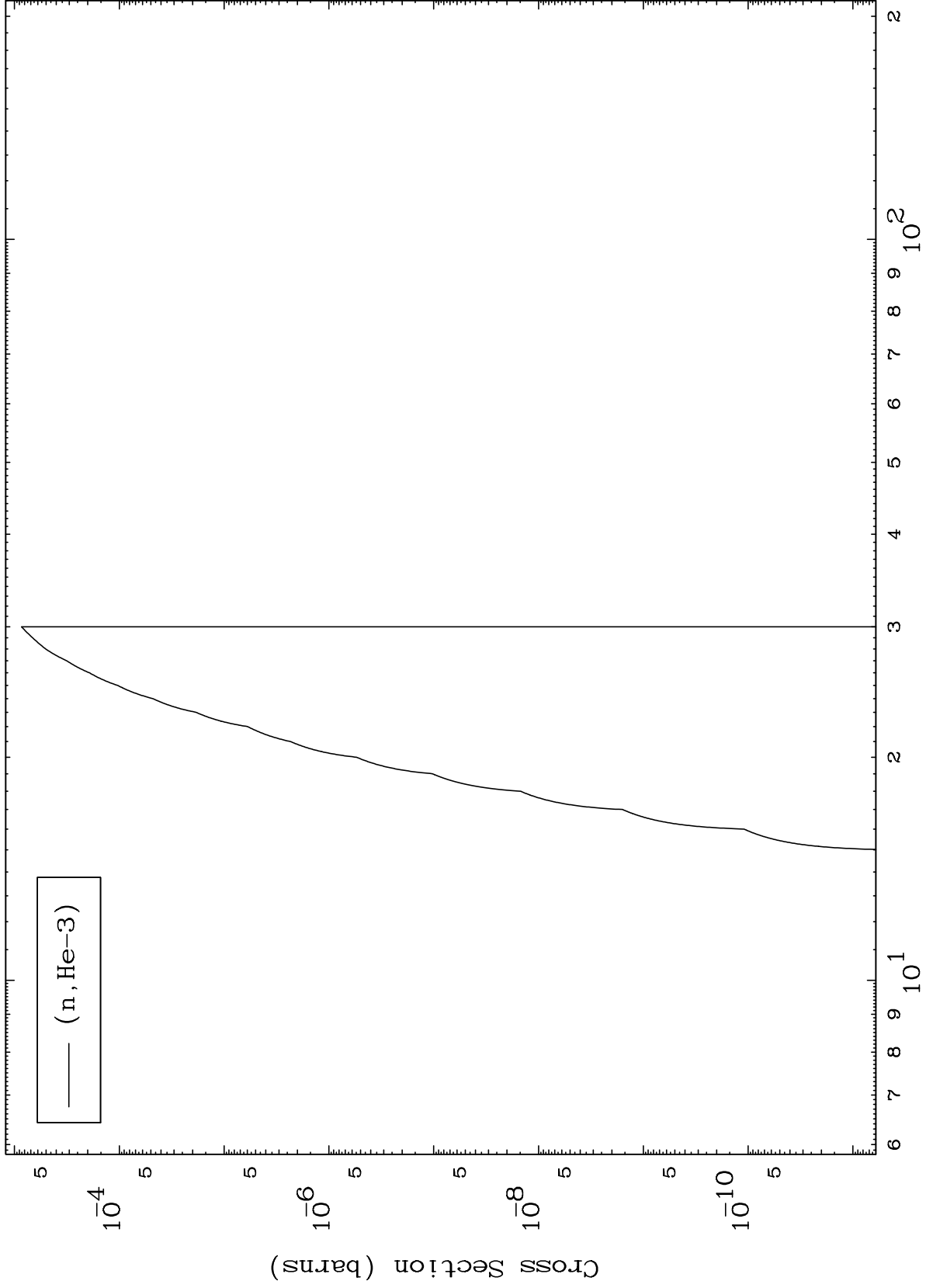
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-144



15

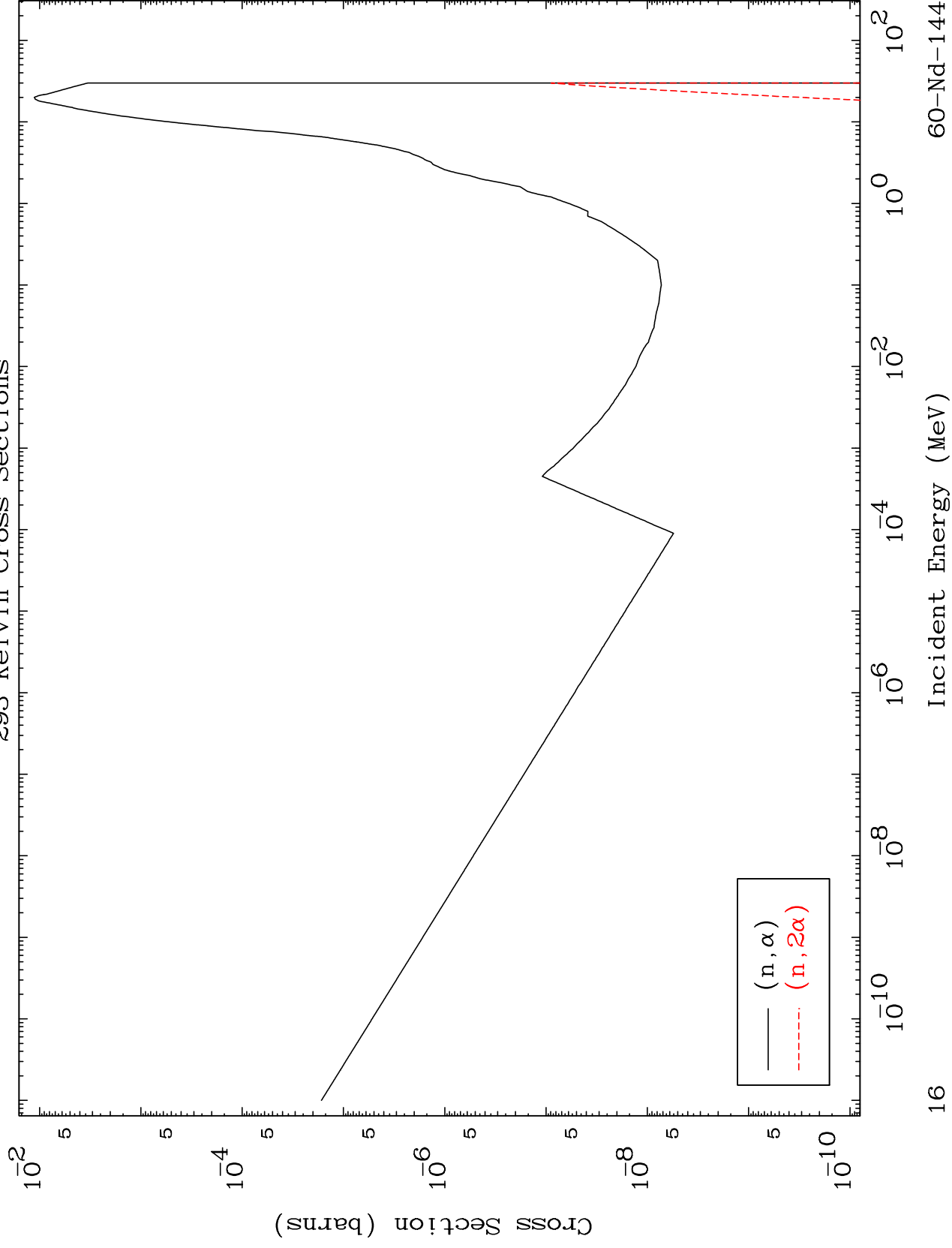
Incident Energy (MeV)

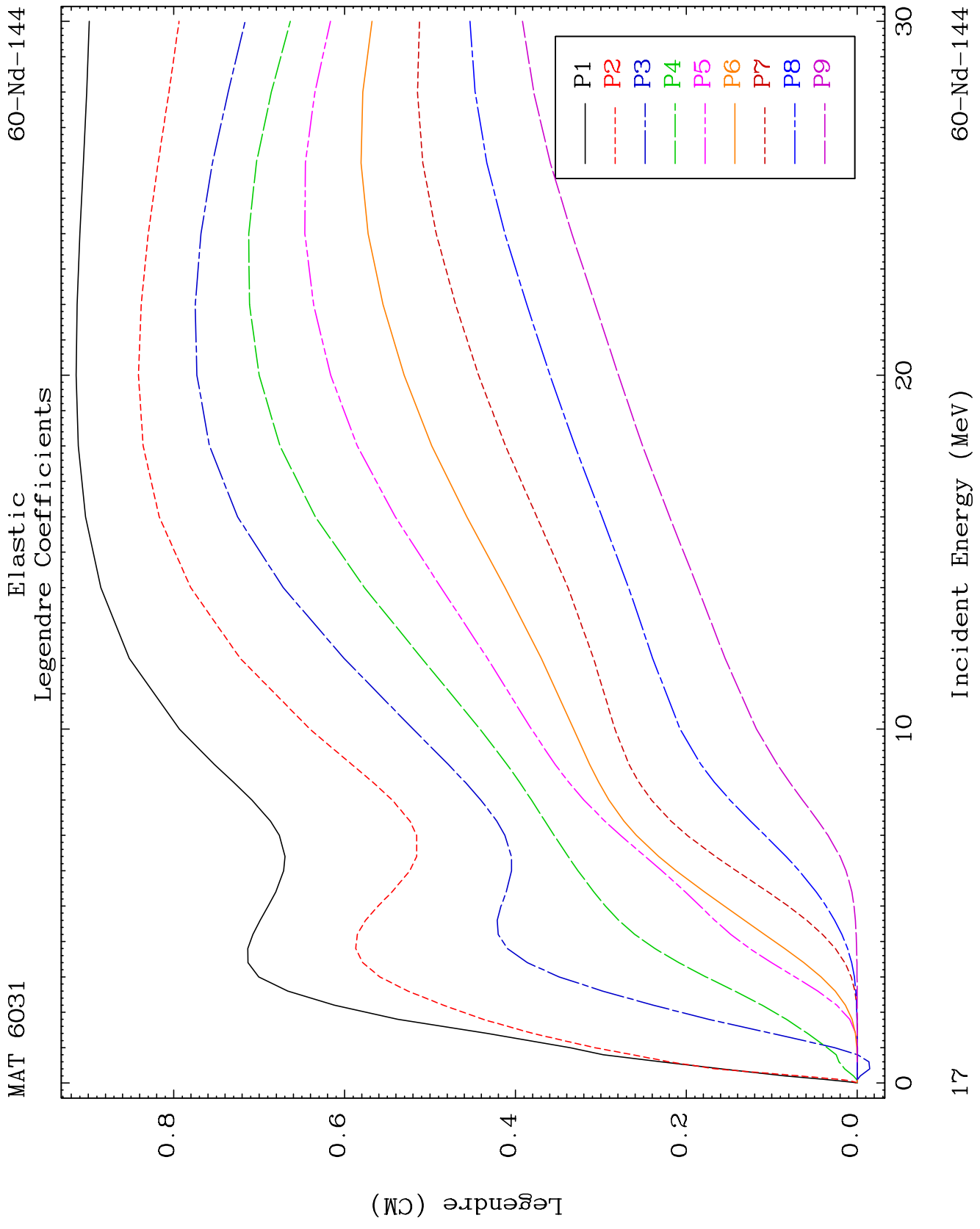
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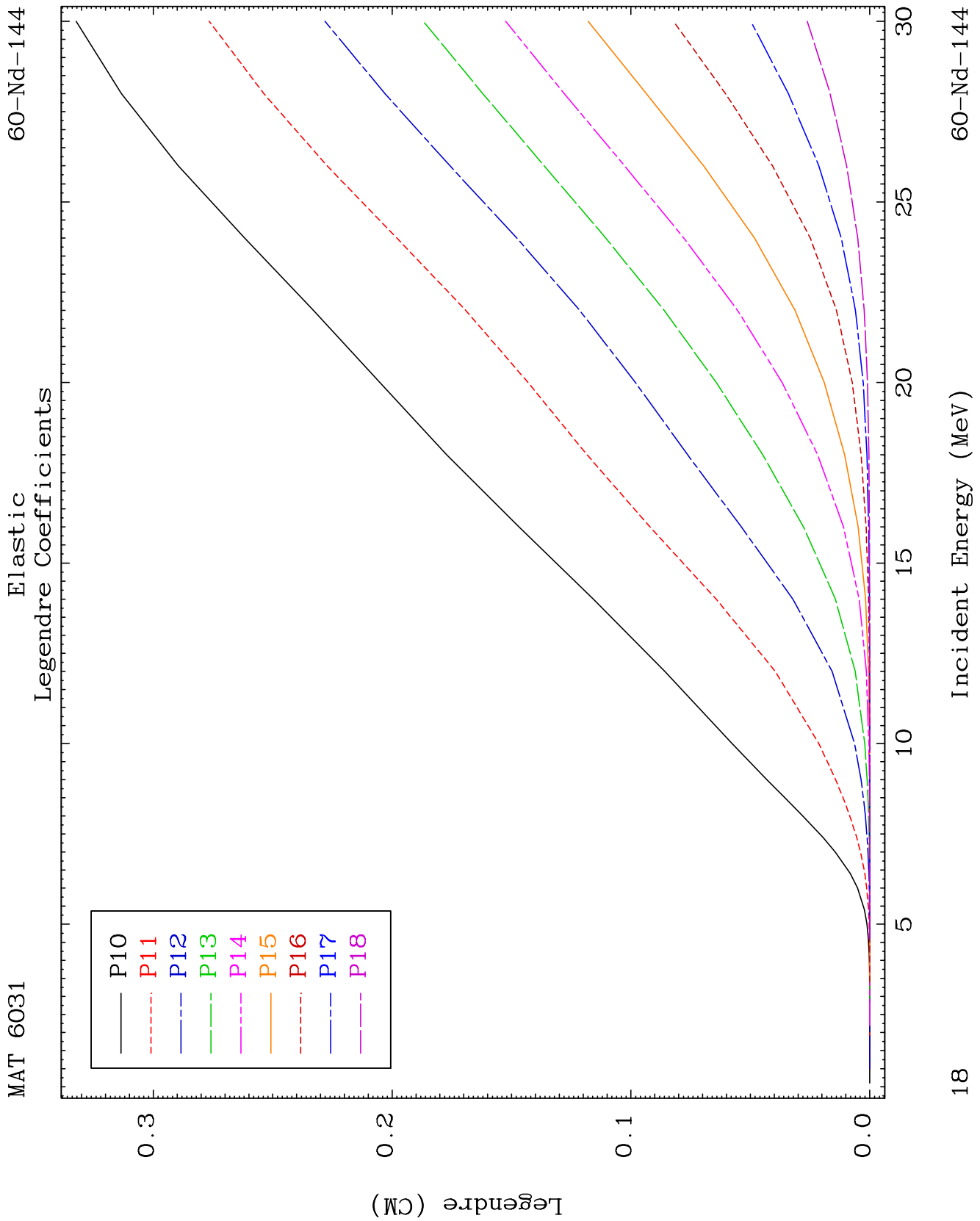
MAT 6031

(n, α) Levels
293 Kelvin Cross Sections

60-Nd-144







MAT 6031

Elastic Legendre Coefficients

$^{60}\text{Nd-144}$

18

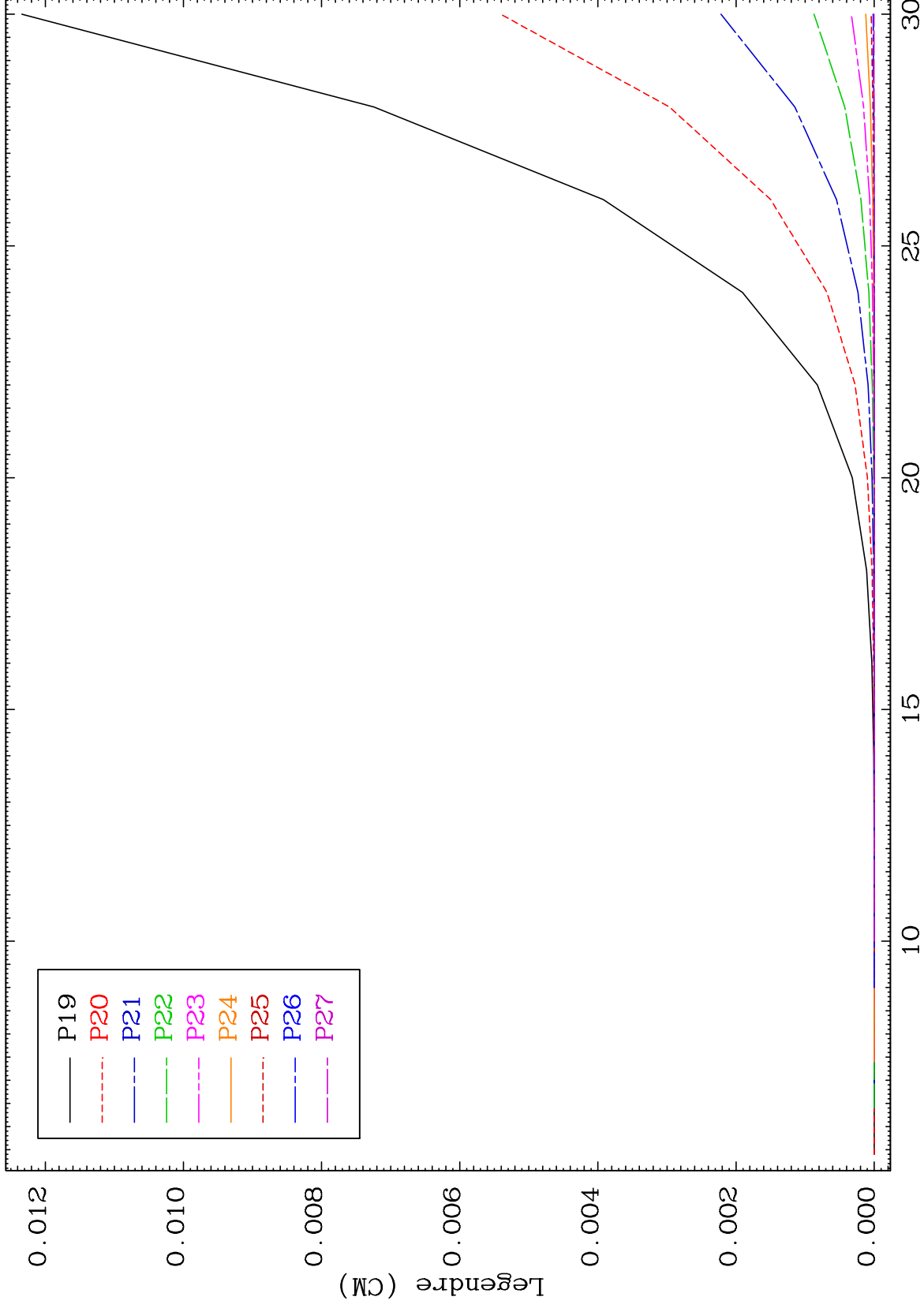
Incident Energy (MeV)

$^{60}\text{Nd-144}$

MAT 6031

Elastic Legendre Coefficients

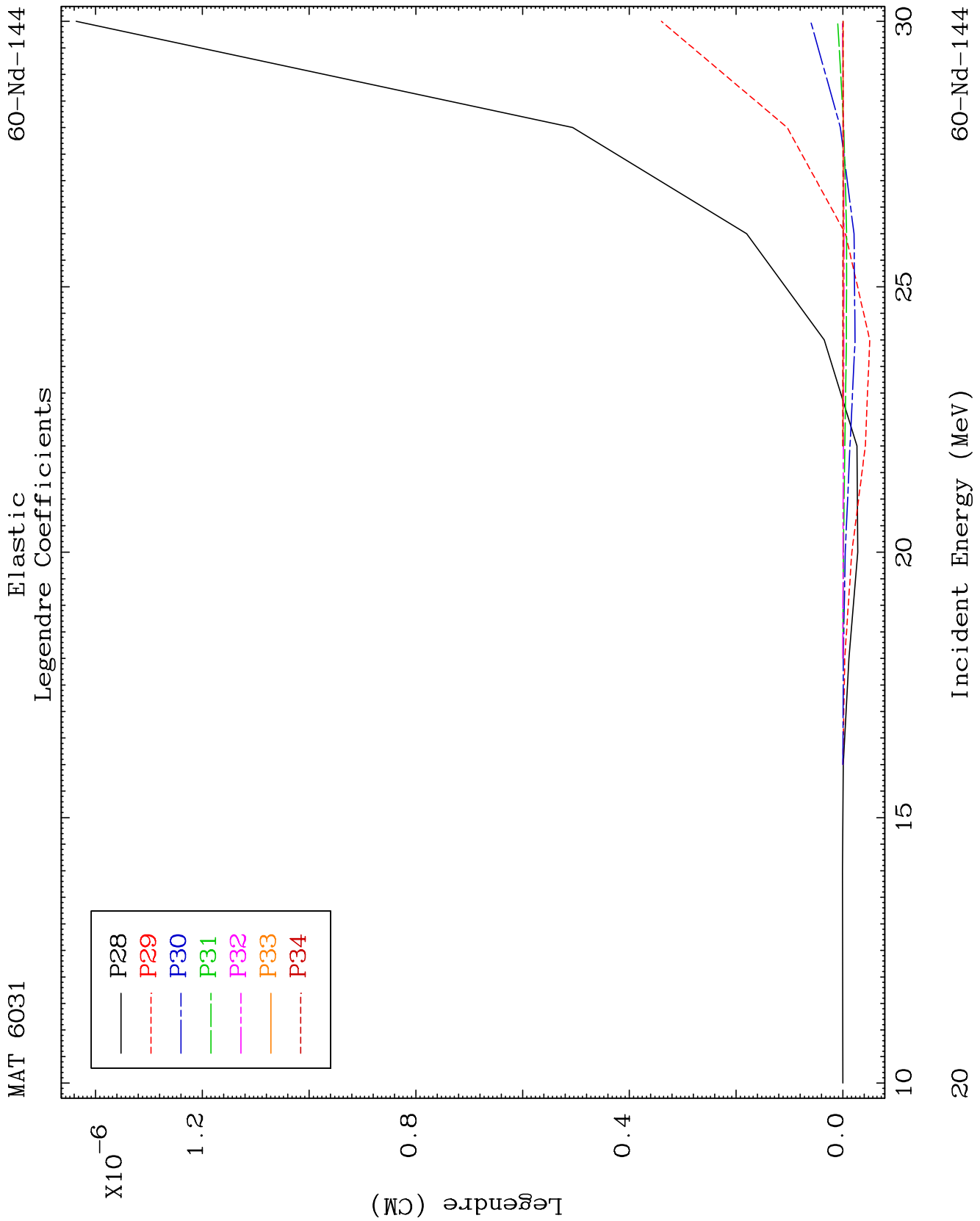
60-Nd-144



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Incident Energy (MeV)

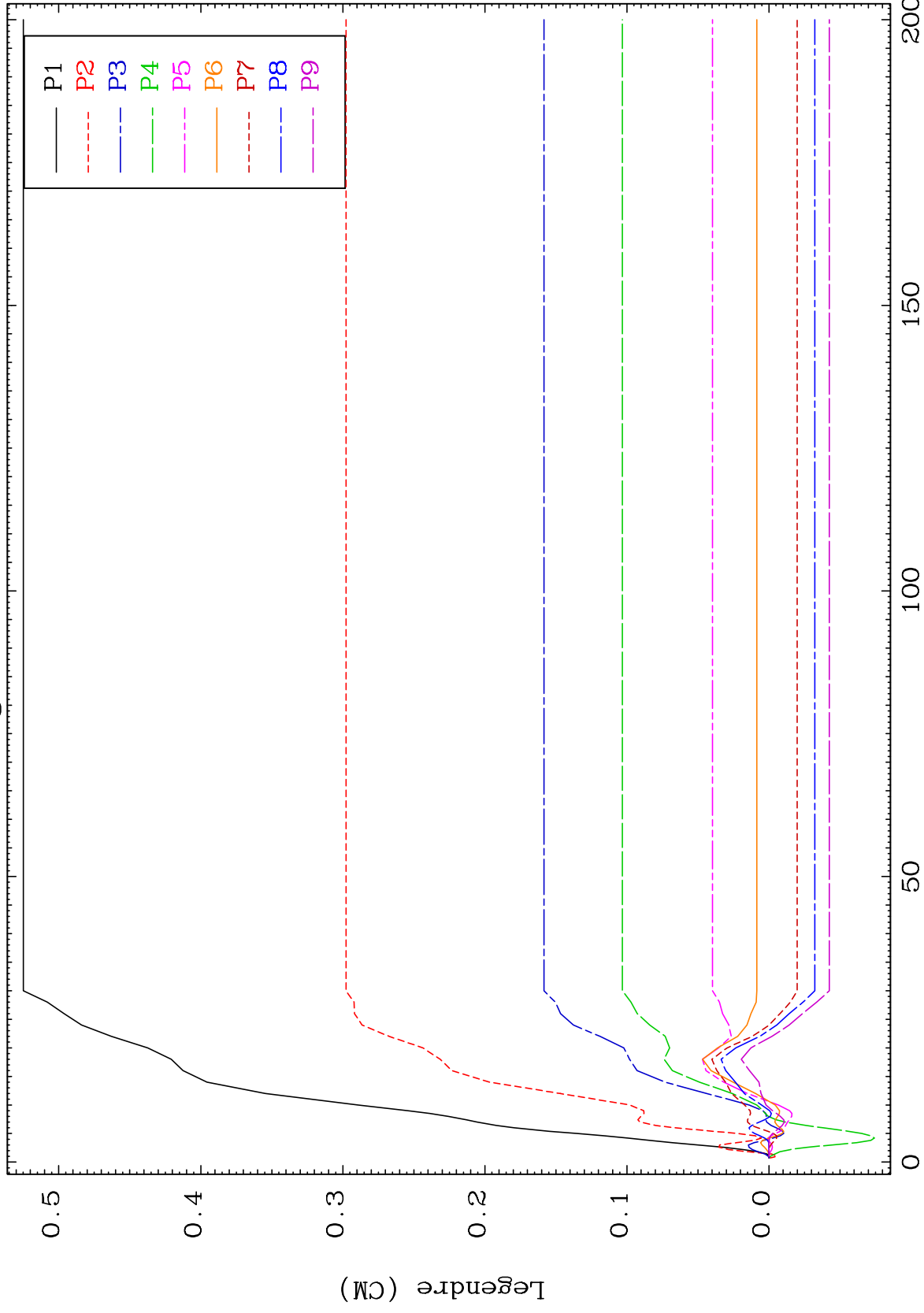
60-Nd-144



MAT 6031

MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-144



21

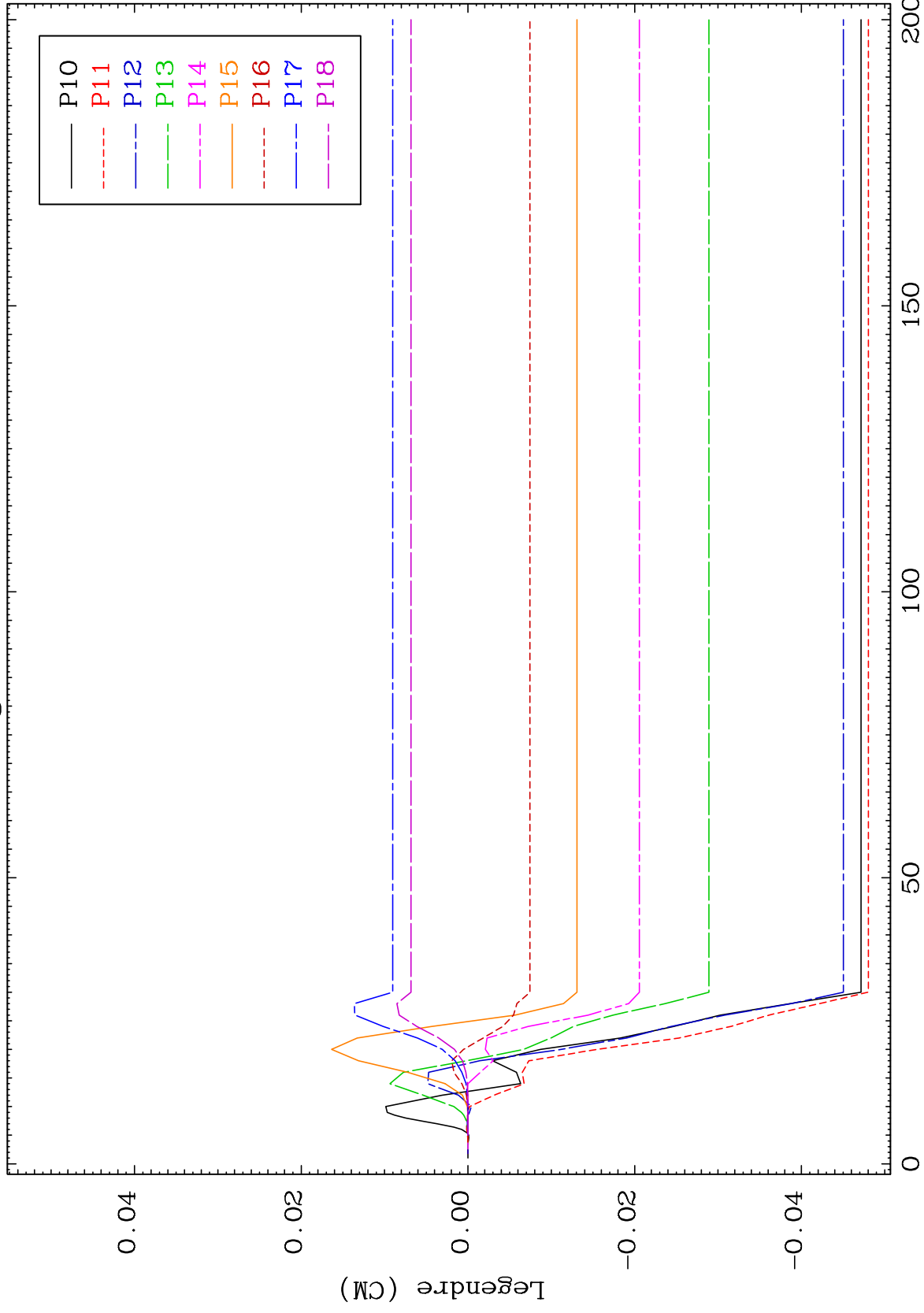
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-144



22

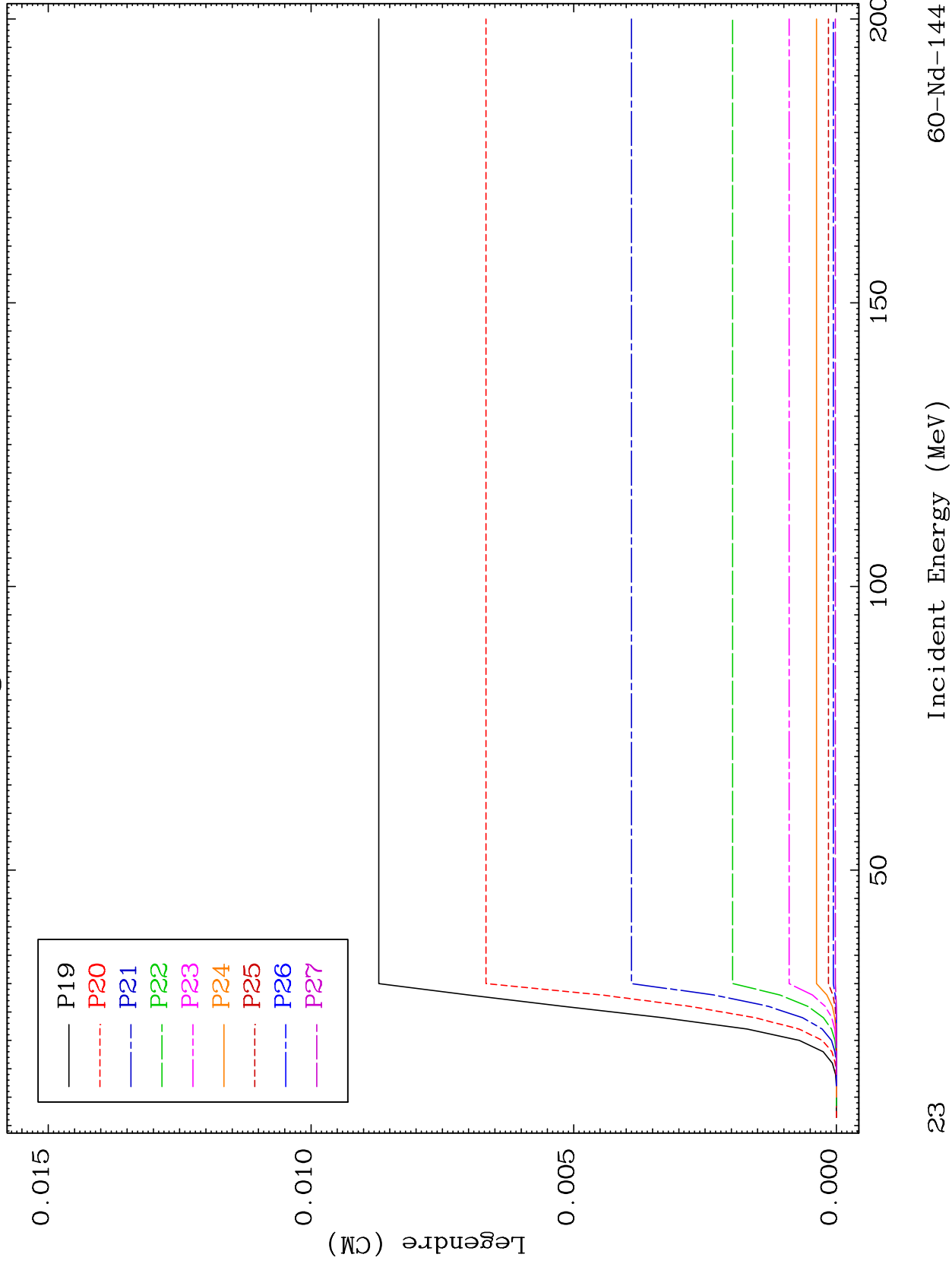
Incident Energy (MeV)

60-Nd-144

MAT 6031

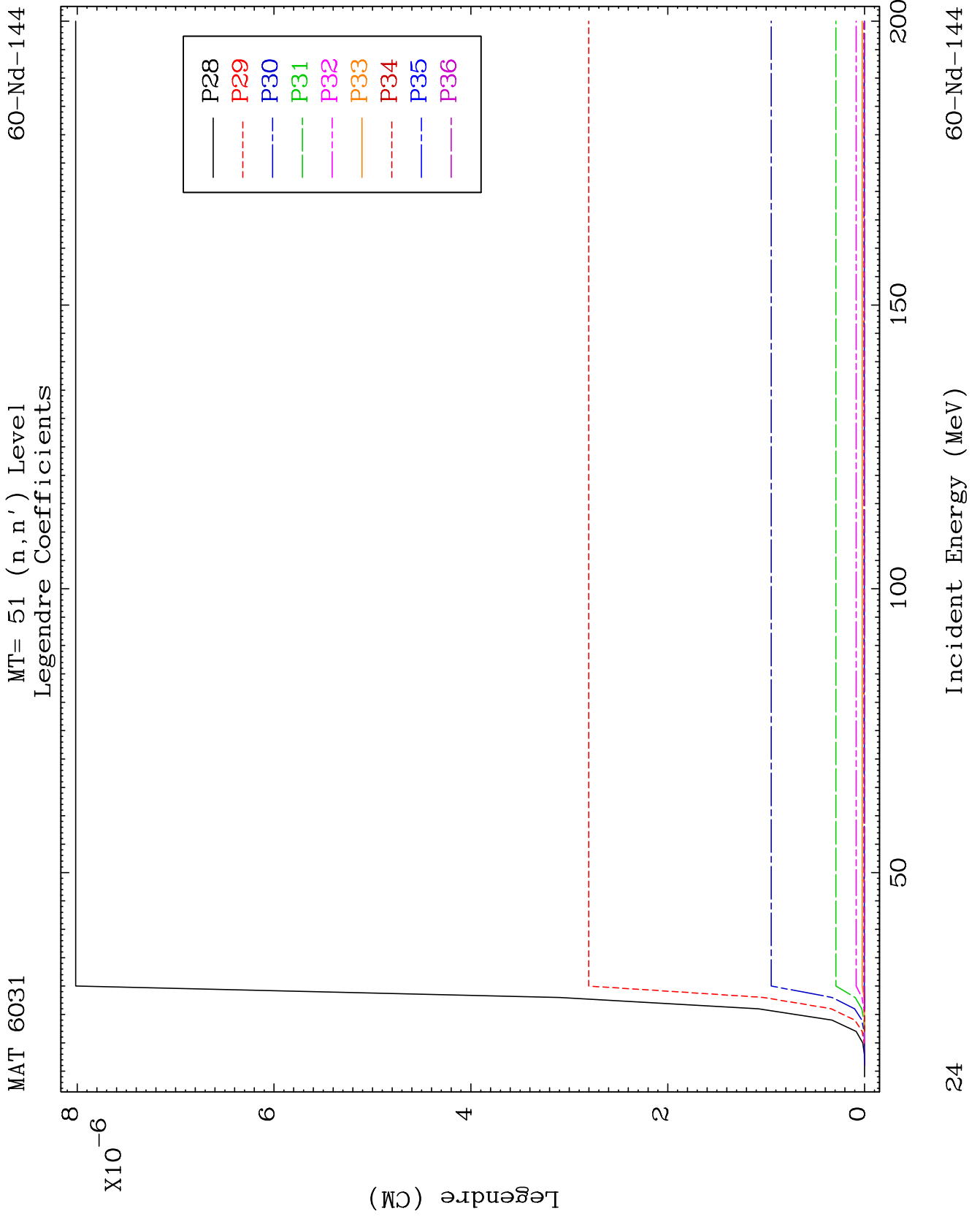
MT= 51 (n,n') Level
Legendre Coefficients

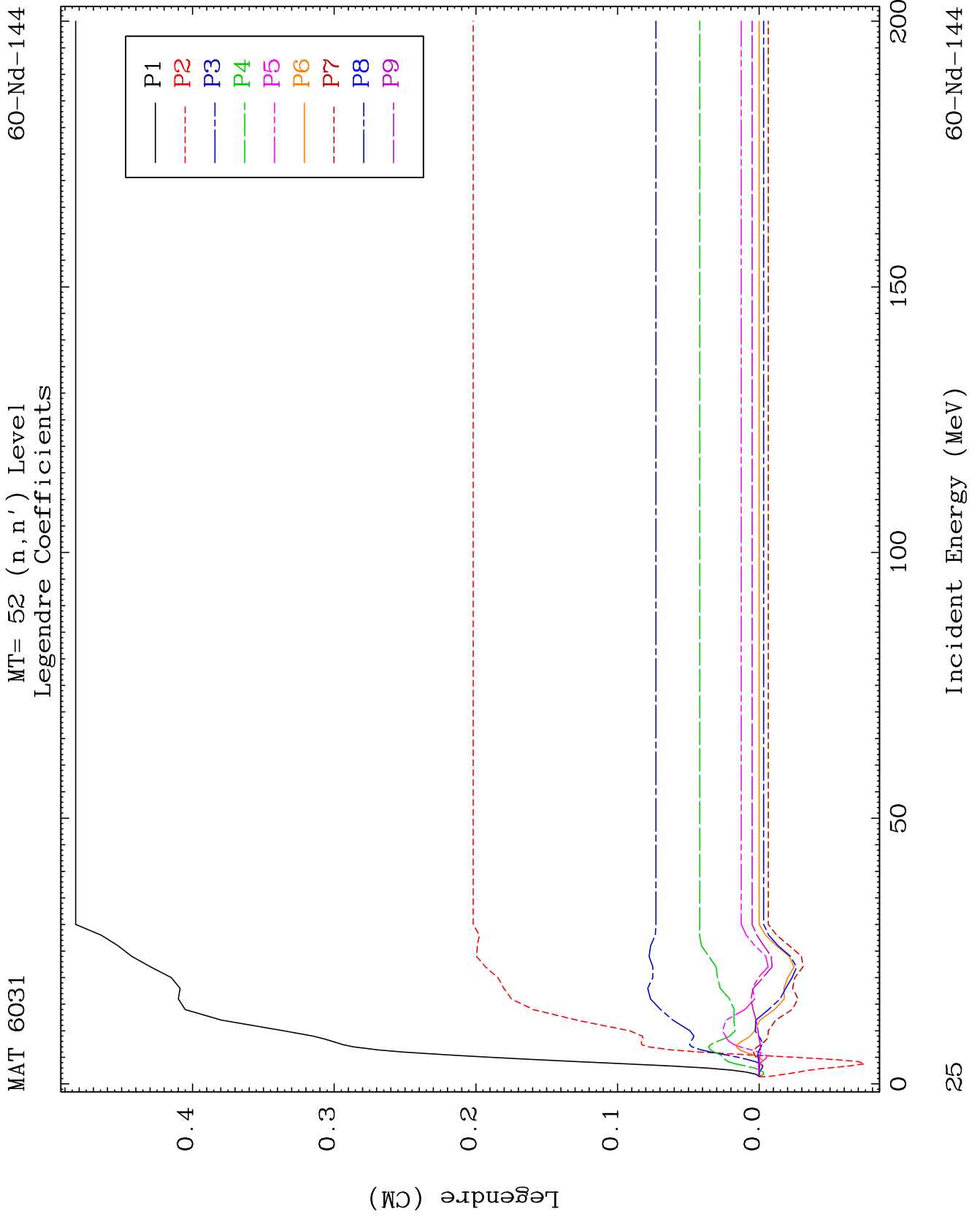
60-Nd-144



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60-Nd-144

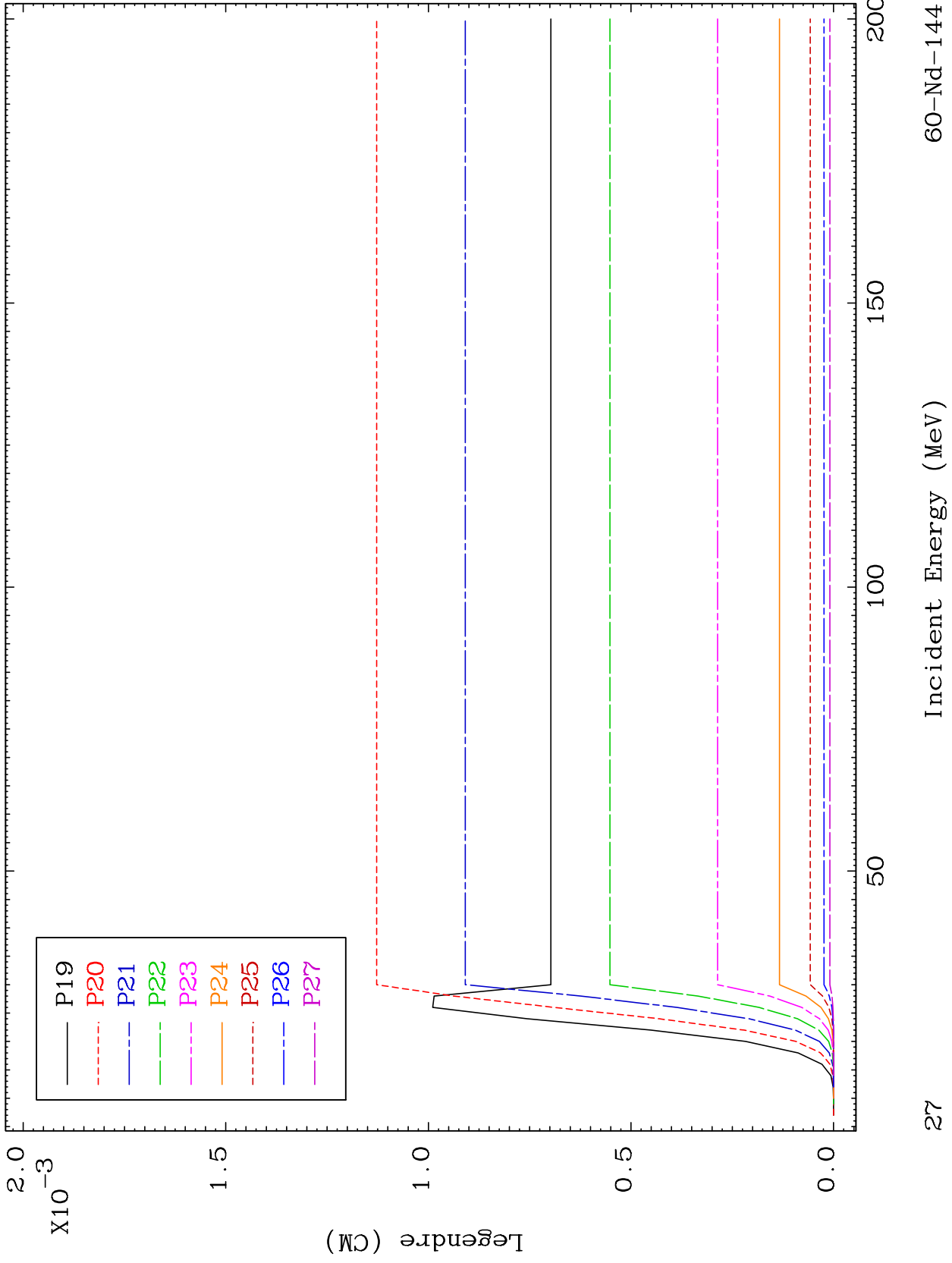


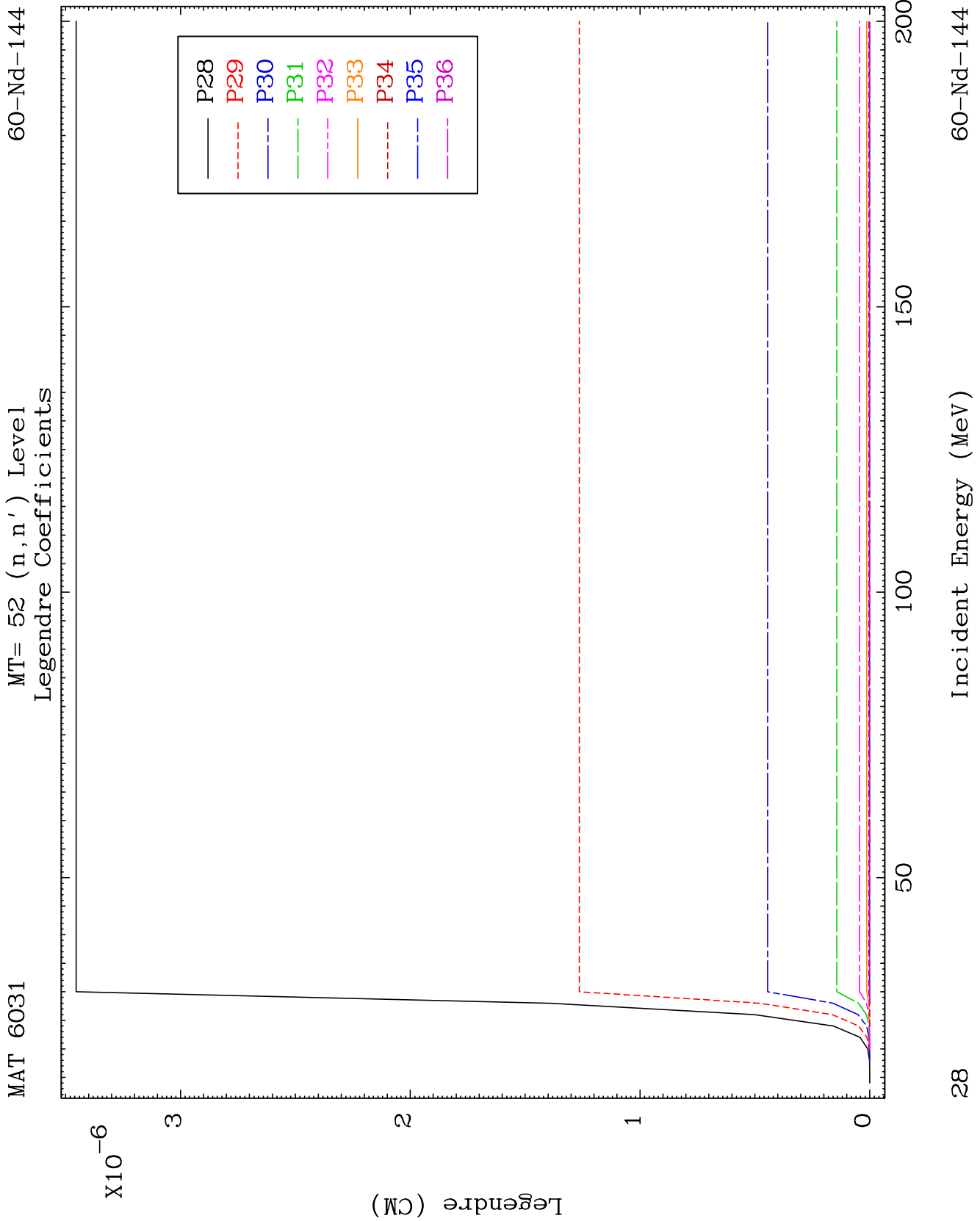


MAT 6031

MT= 52 (n,n') Level
Legendre Coefficients

60-Nd-144

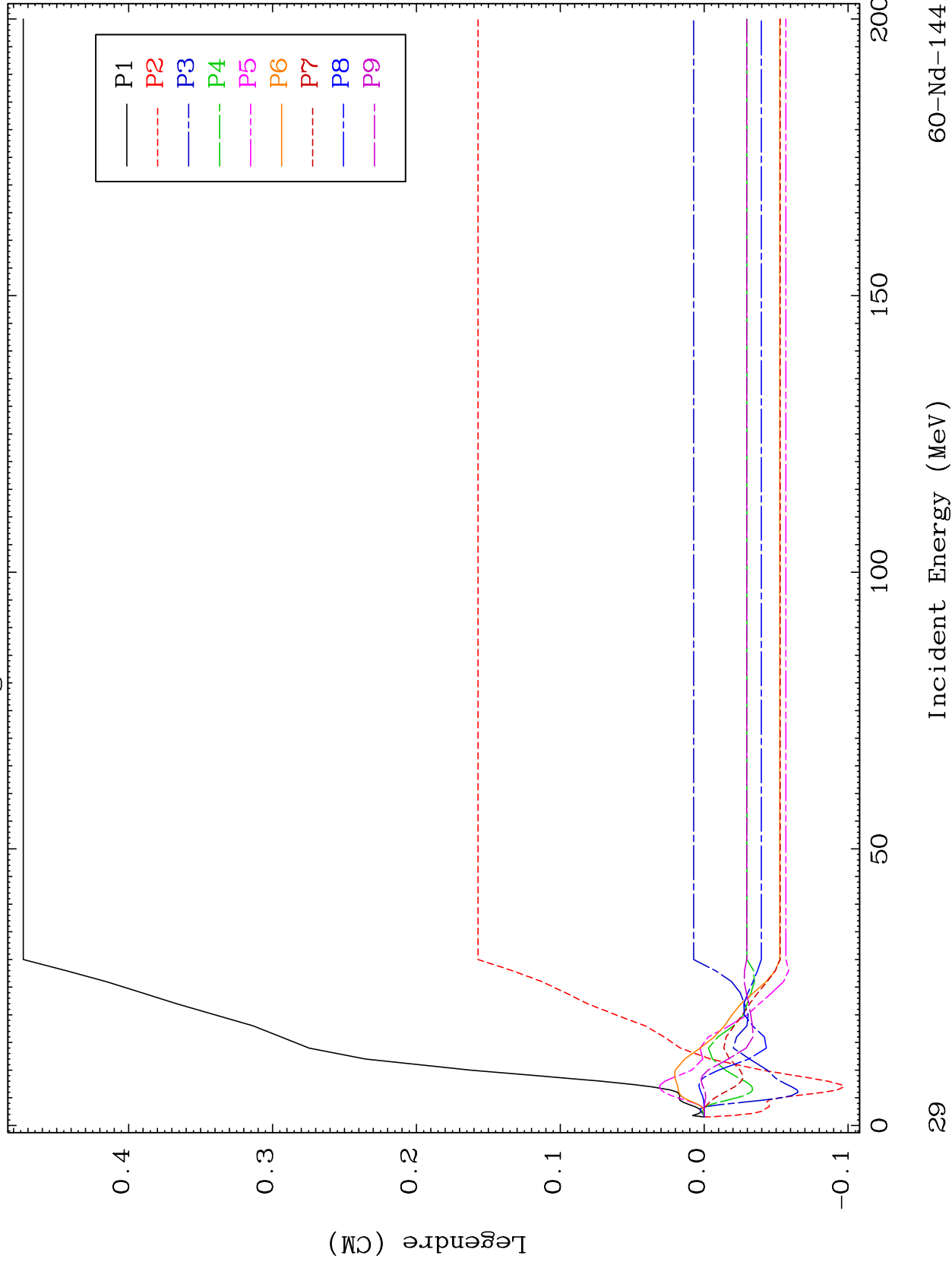




MAT 6031

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-144



60-Nd-144

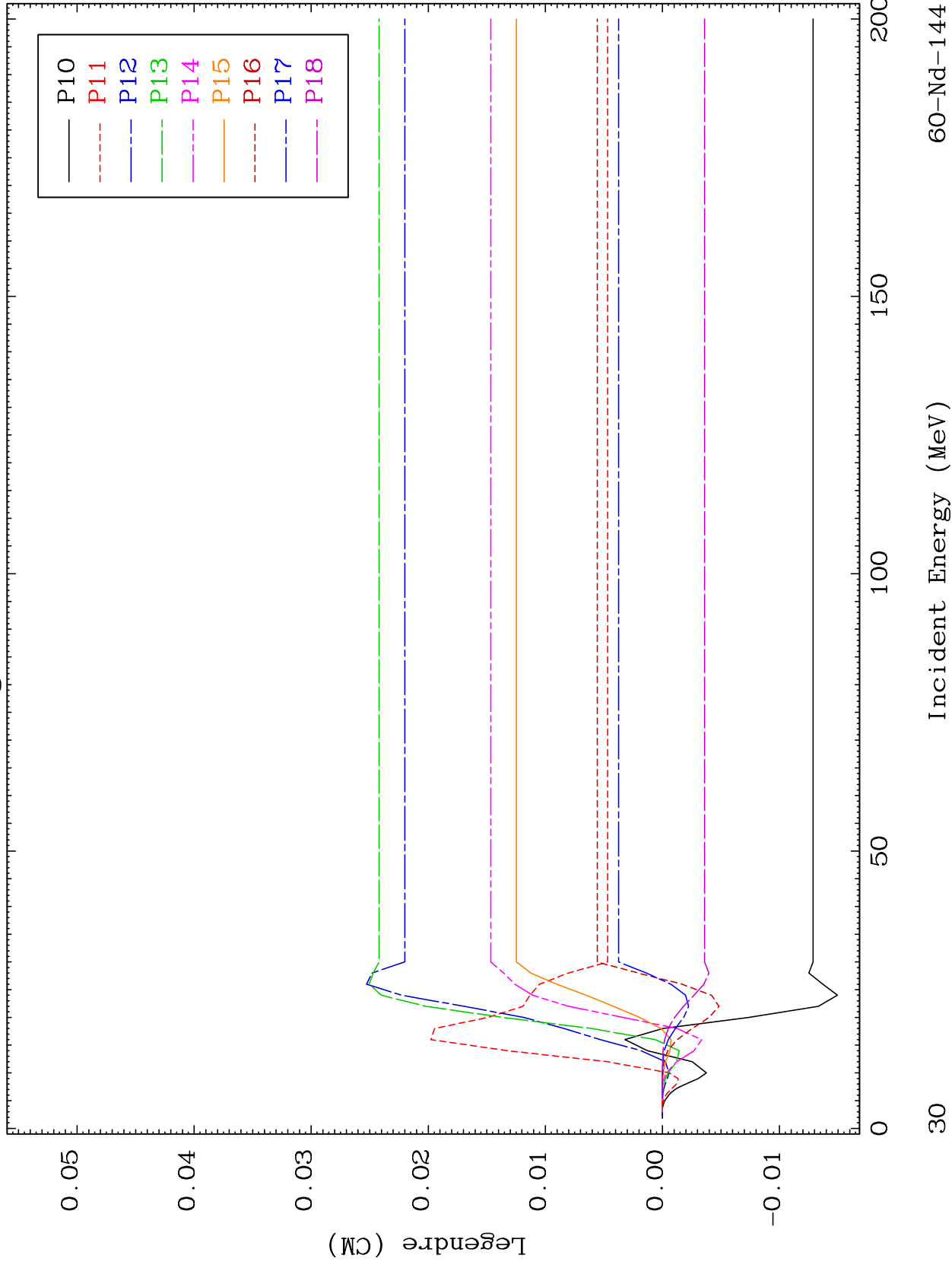
Incident Energy (MeV)

29

MAT 6031

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-144



60-Nd-144

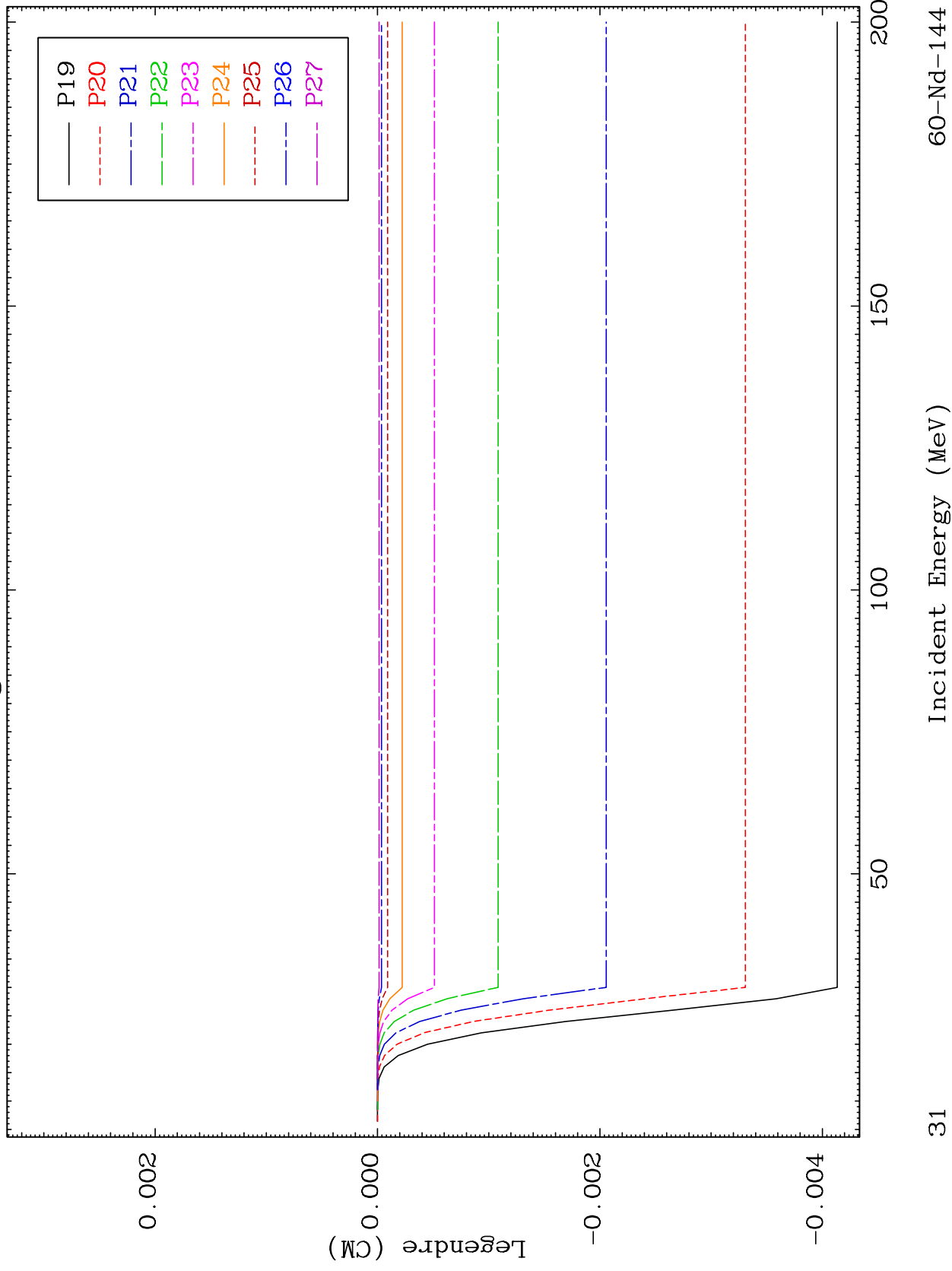
Incident Energy (MeV)

30

MAT 6031

MT= 53 (n,n') Level
Legendre Coefficients

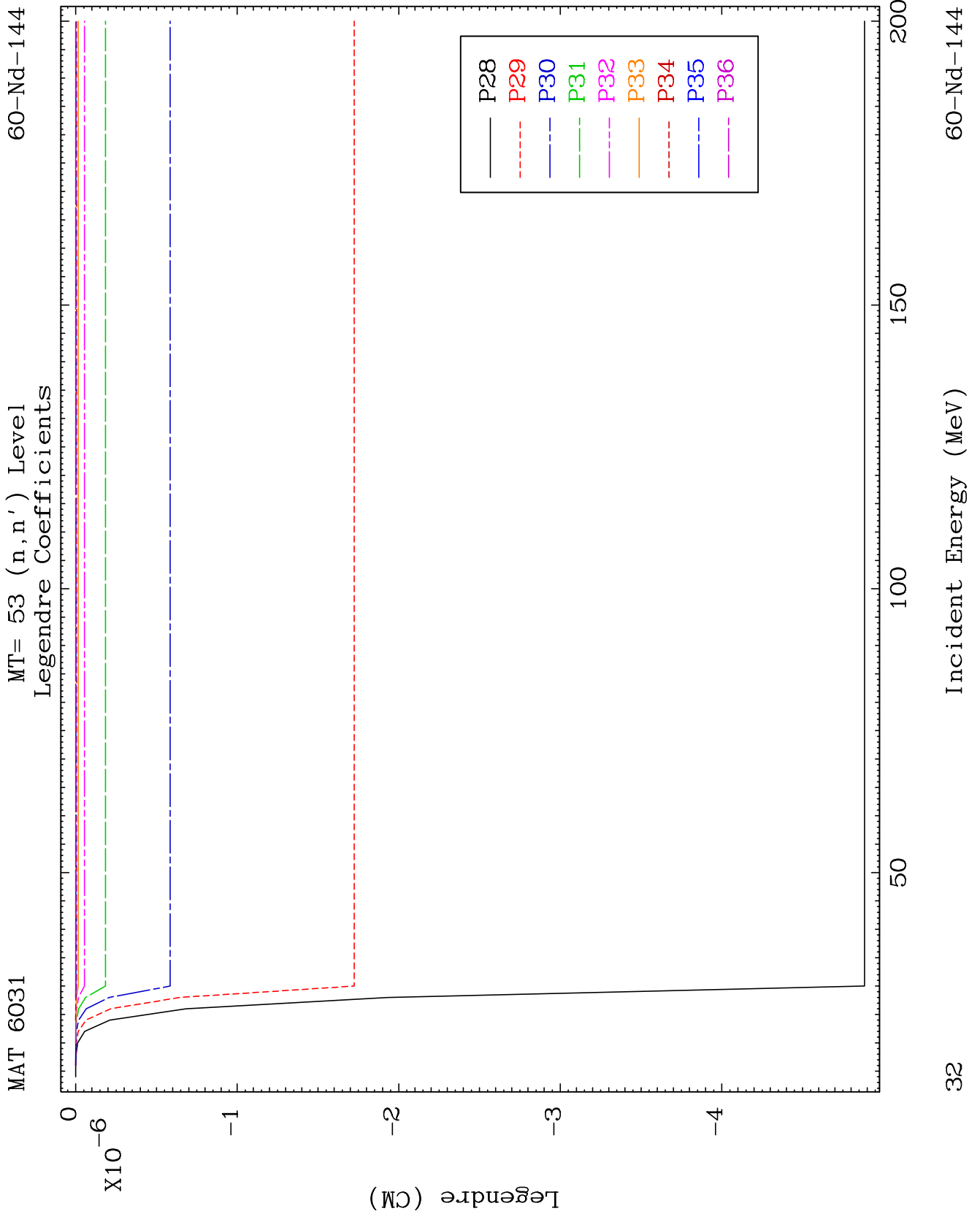
60-Nd-144



31

Incident Energy (MeV)

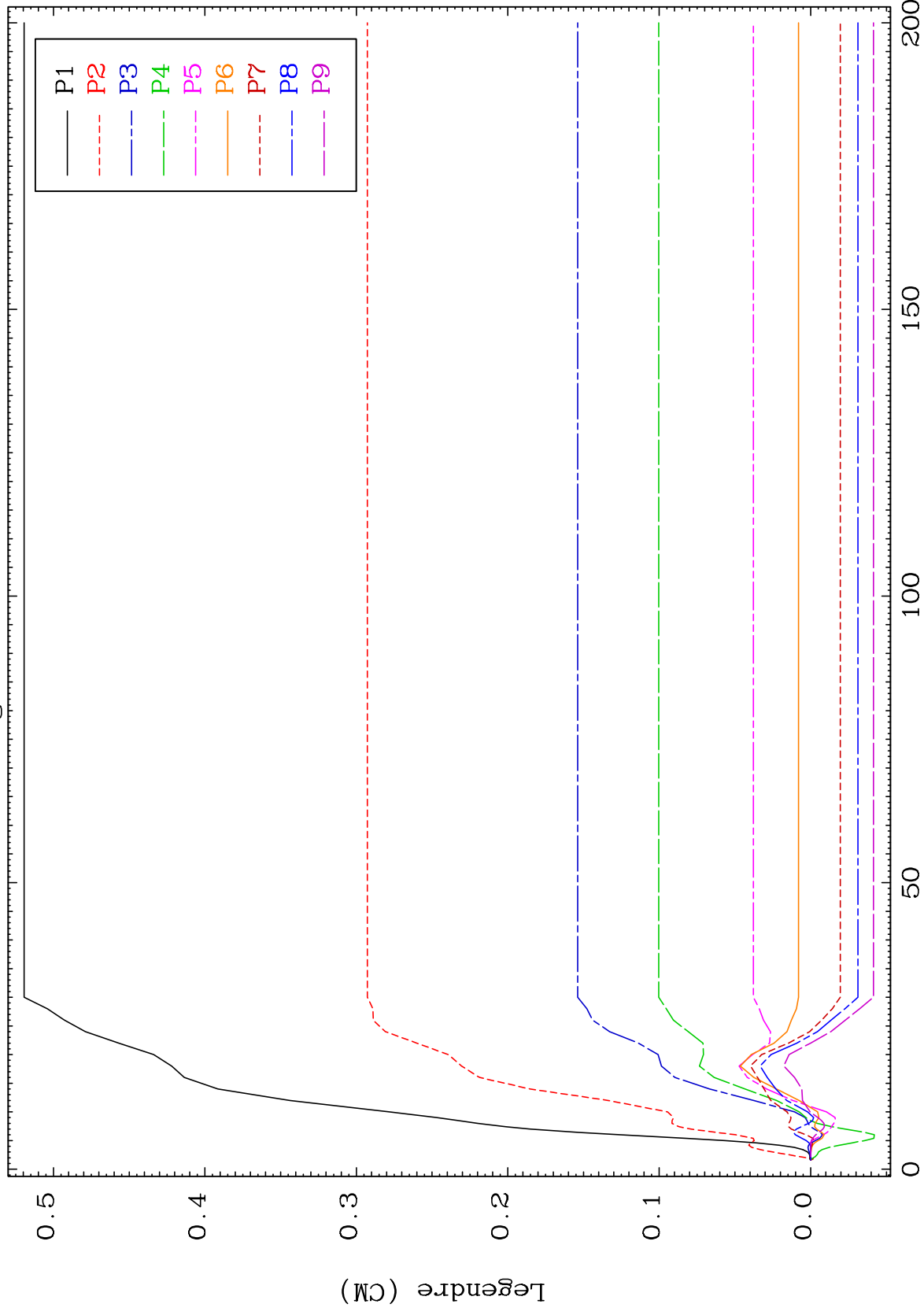
60-Nd-144



MAT 6031

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-144



33

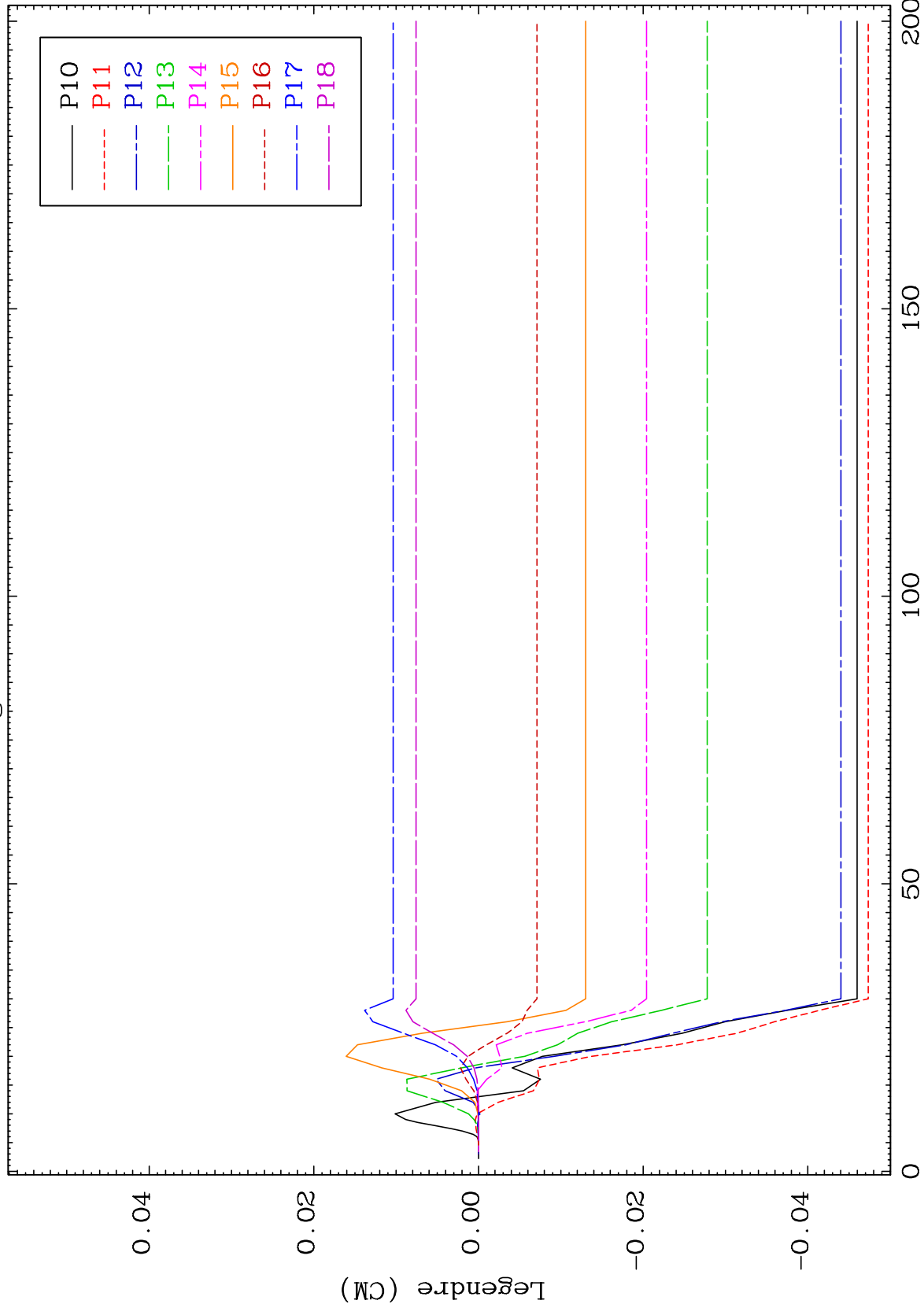
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 54 (n,n') Level
Legendre Coefficients

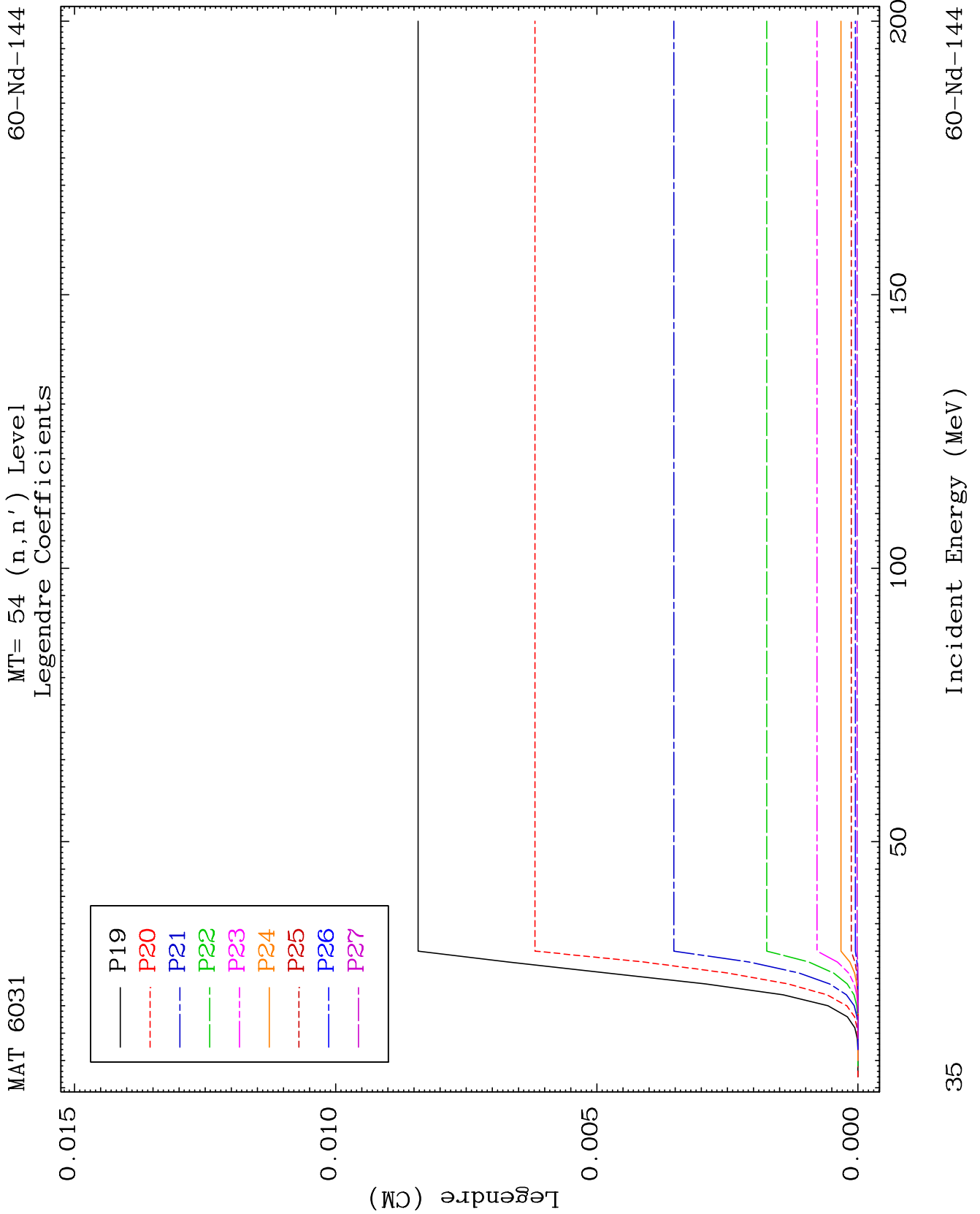
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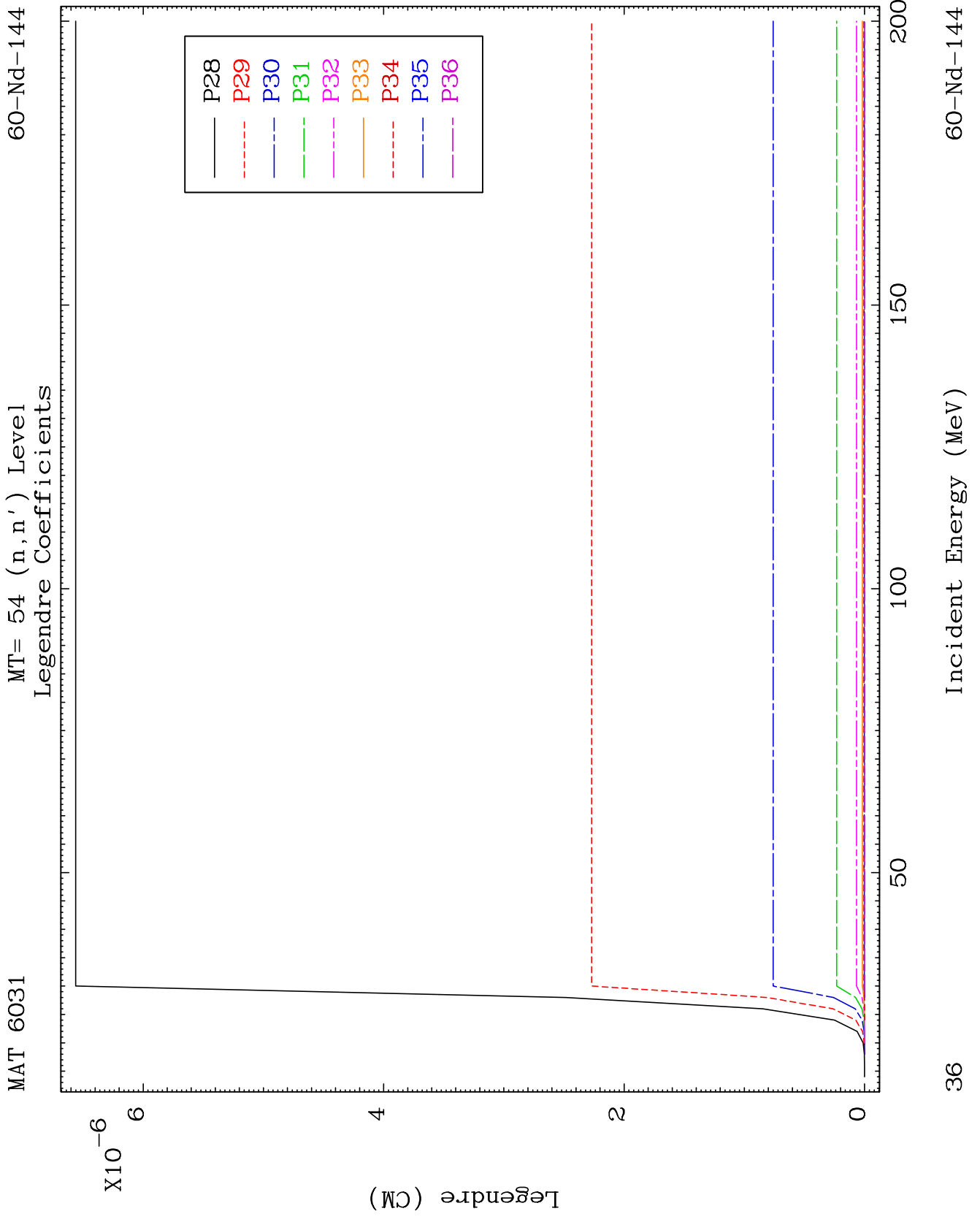


34

Incident Energy (MeV)

60-Nd-144

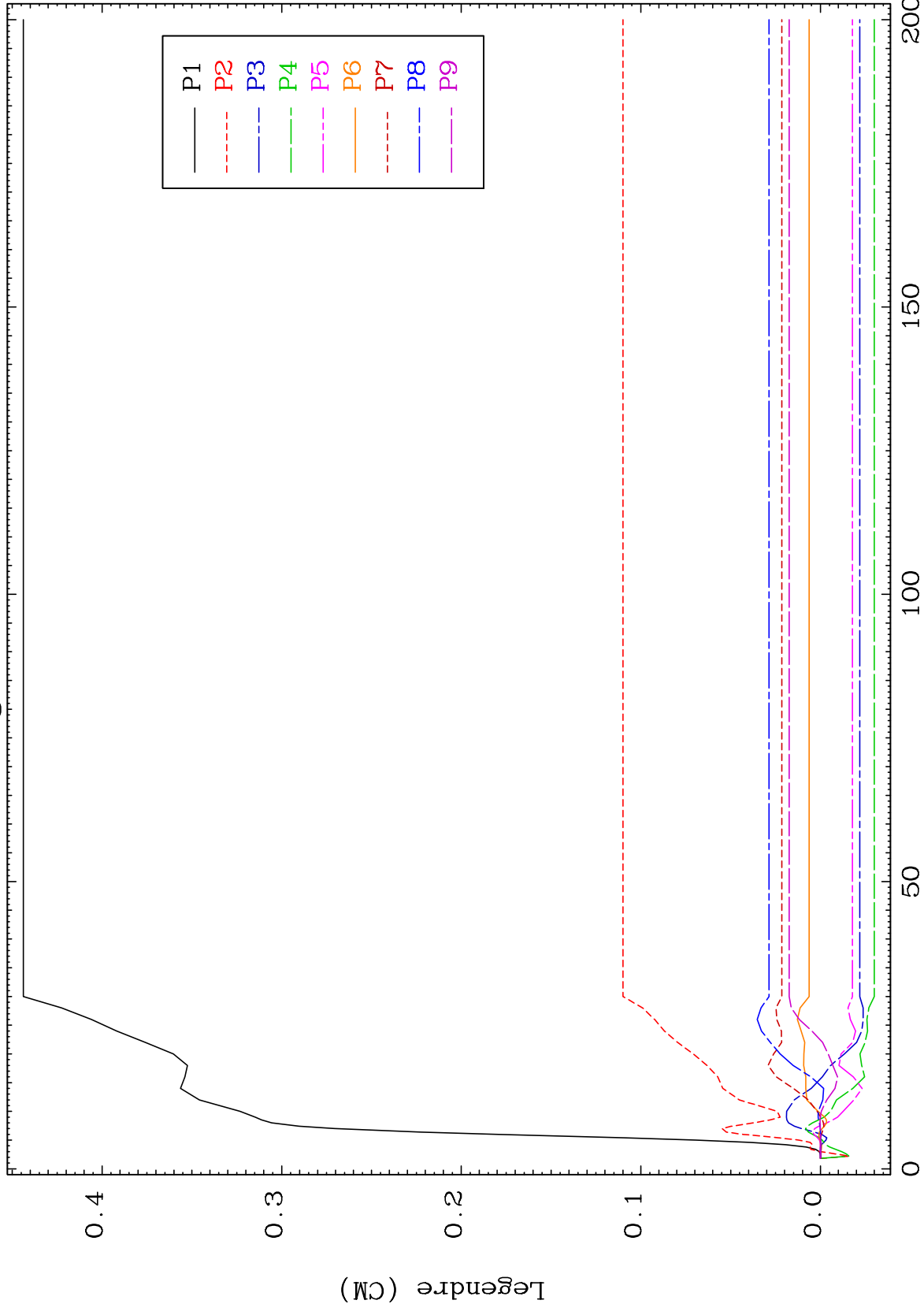




MAT 6031

MT= 55 (n,n') Level
Legendre Coefficients

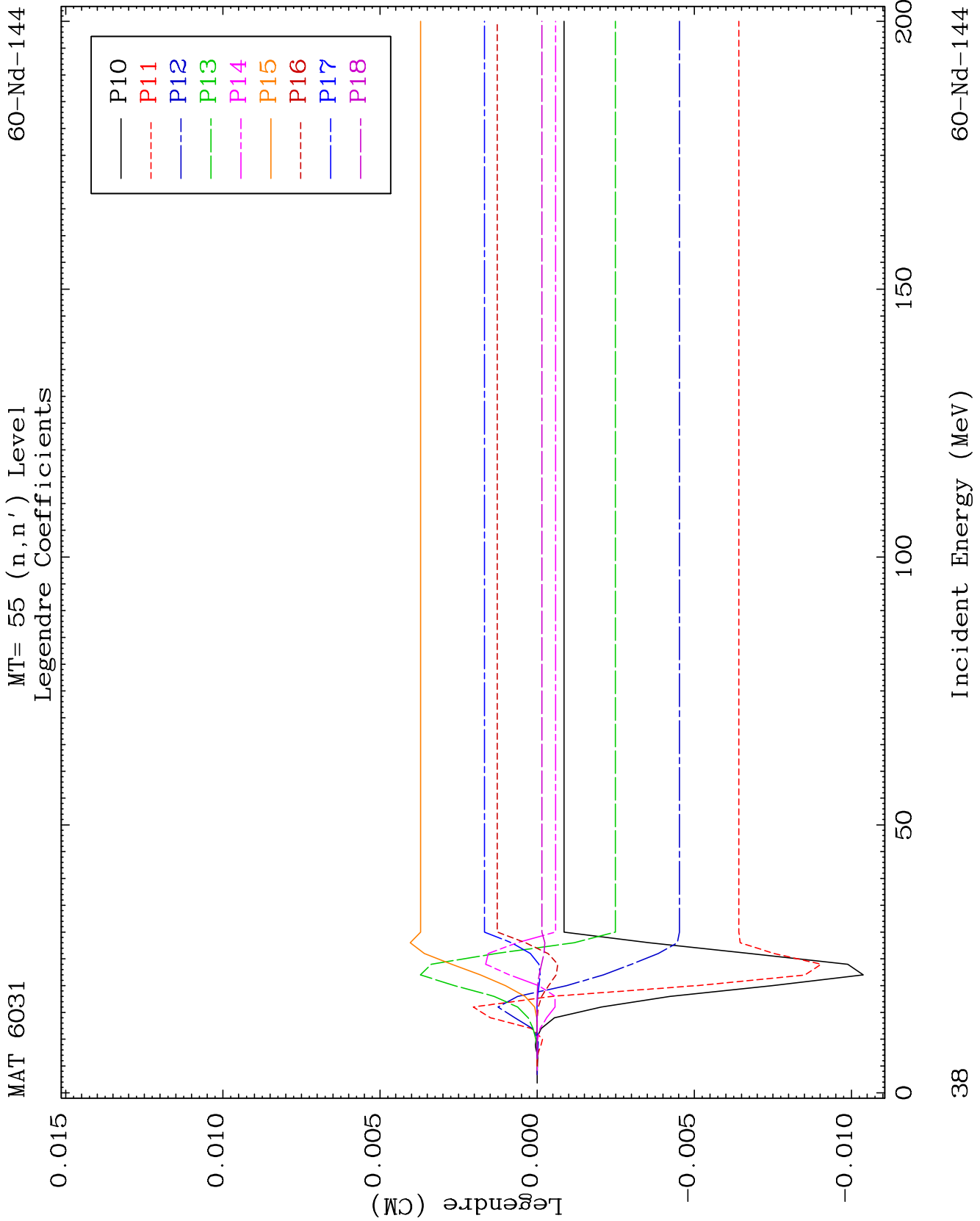
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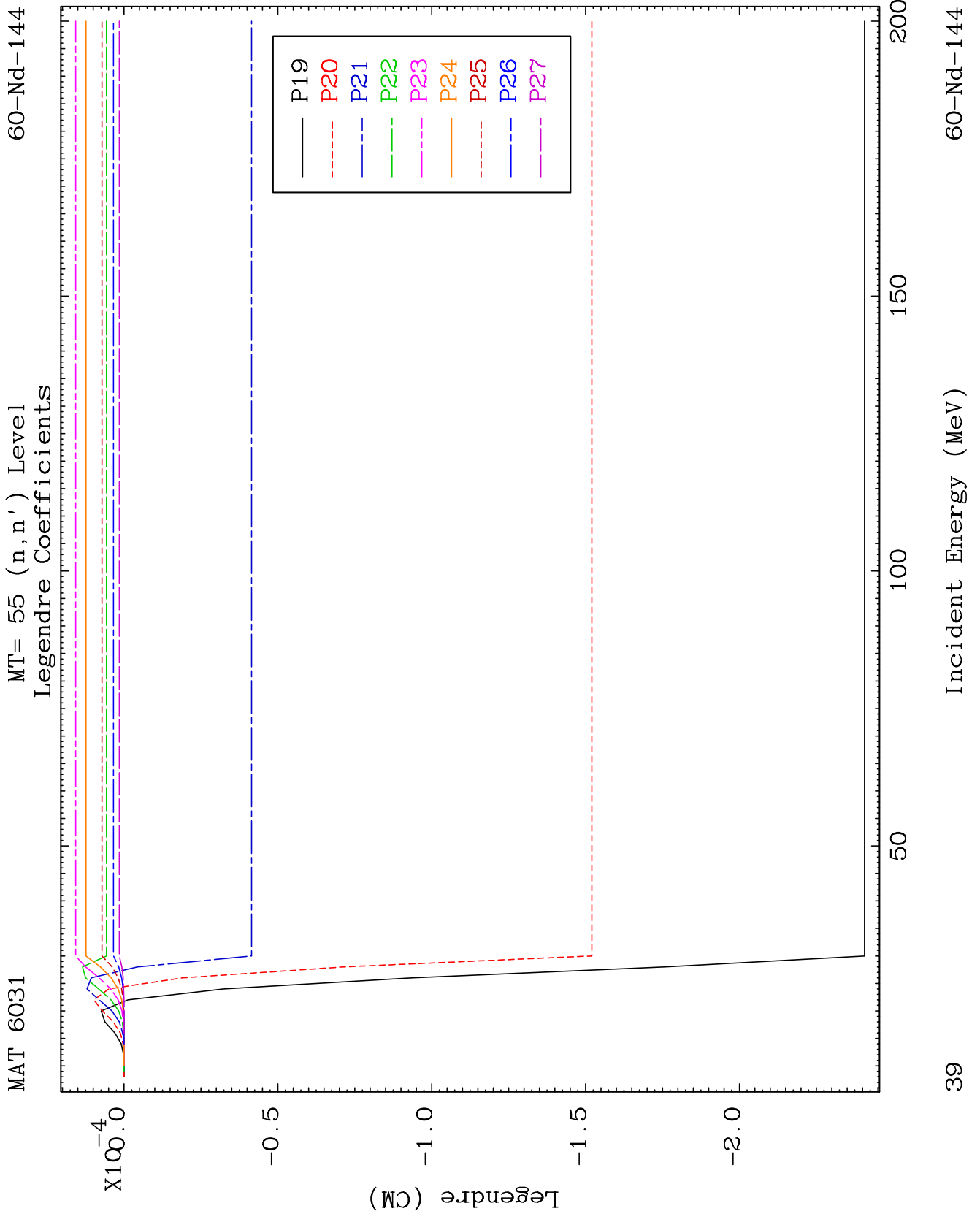


37

Incident Energy (MeV)

60-Nd-144

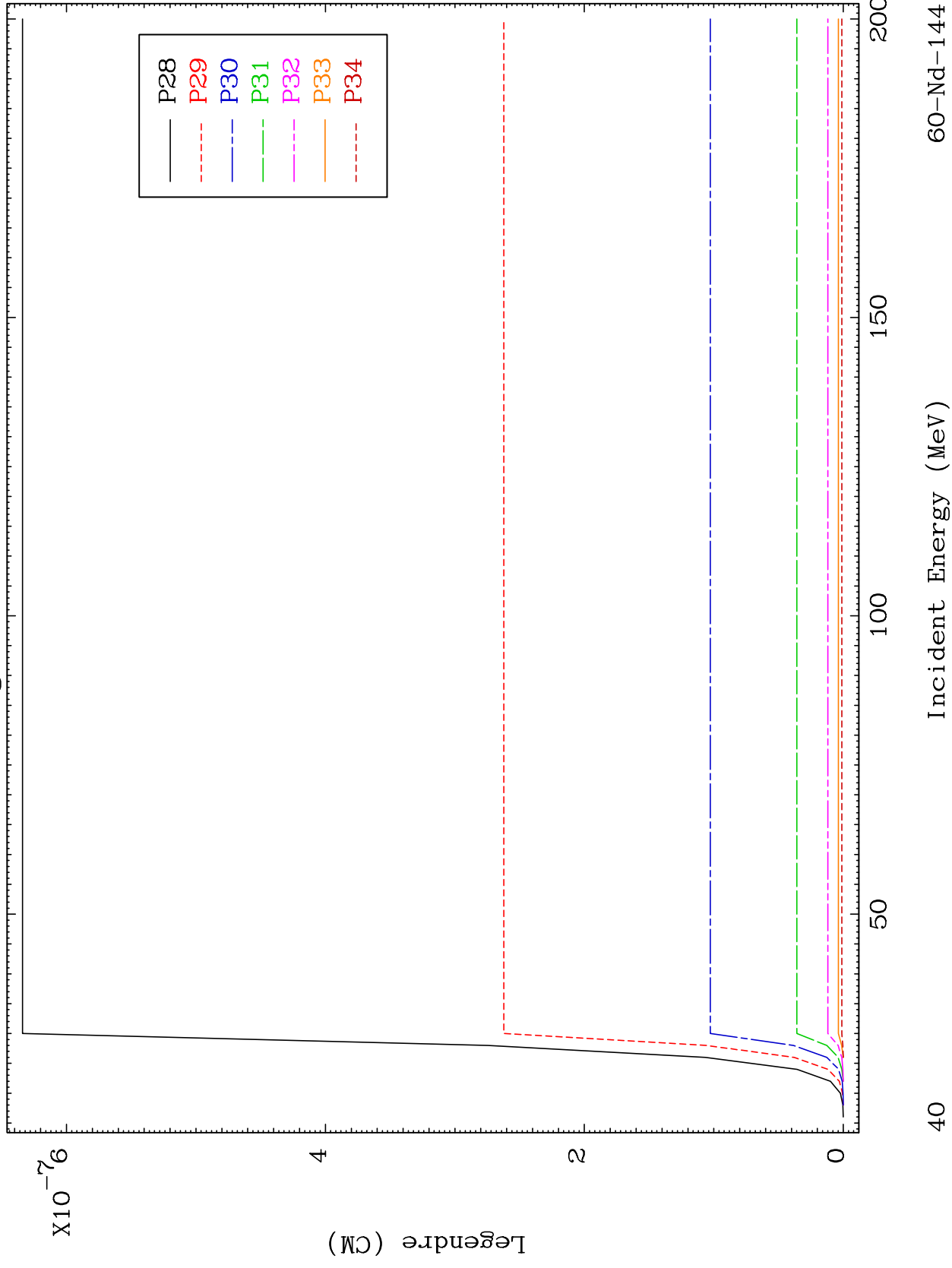




MAT 6031

MT= 55 (n,n') Level
Legendre Coefficients

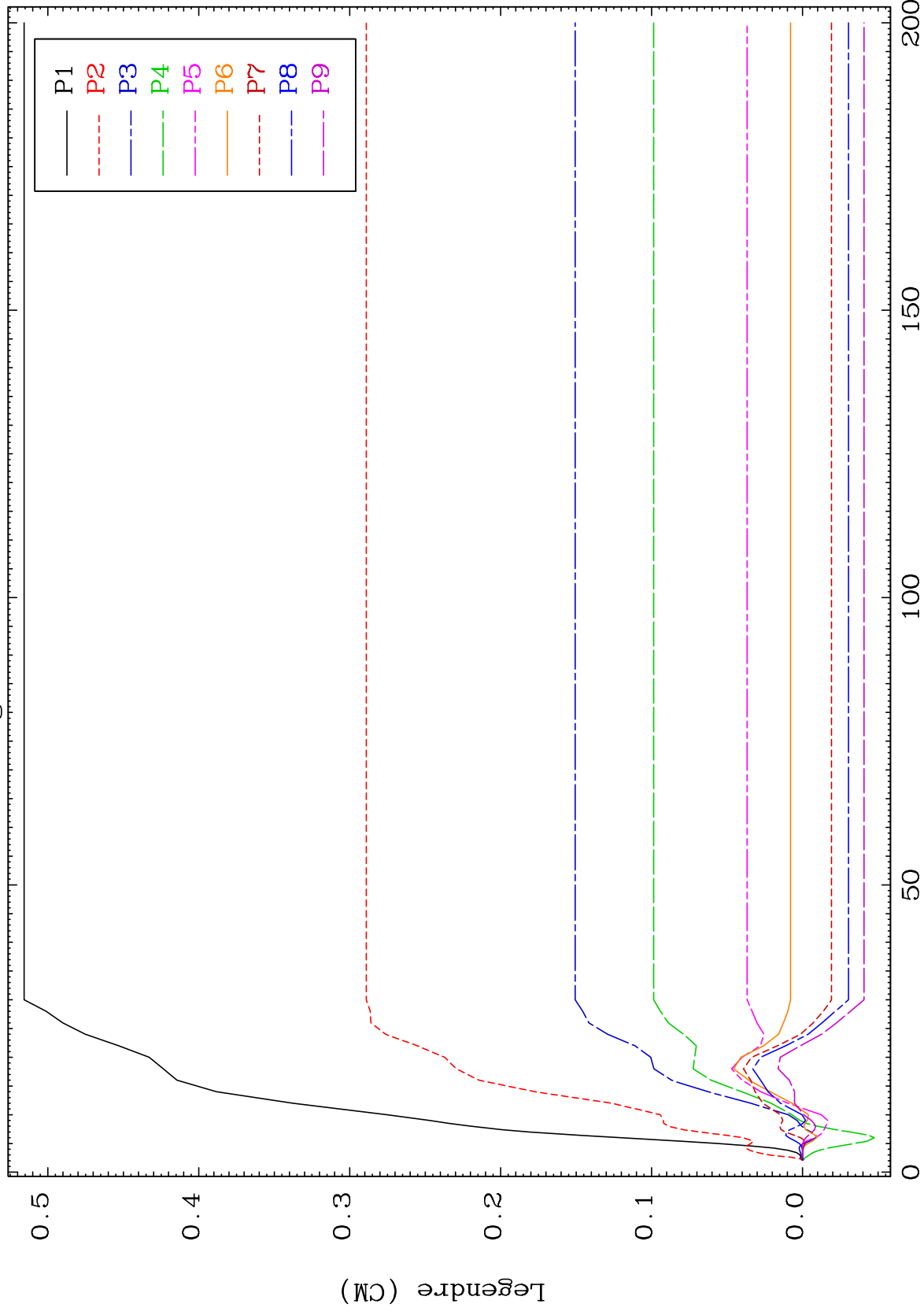
60-Nd-144



MAT 6031

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-144



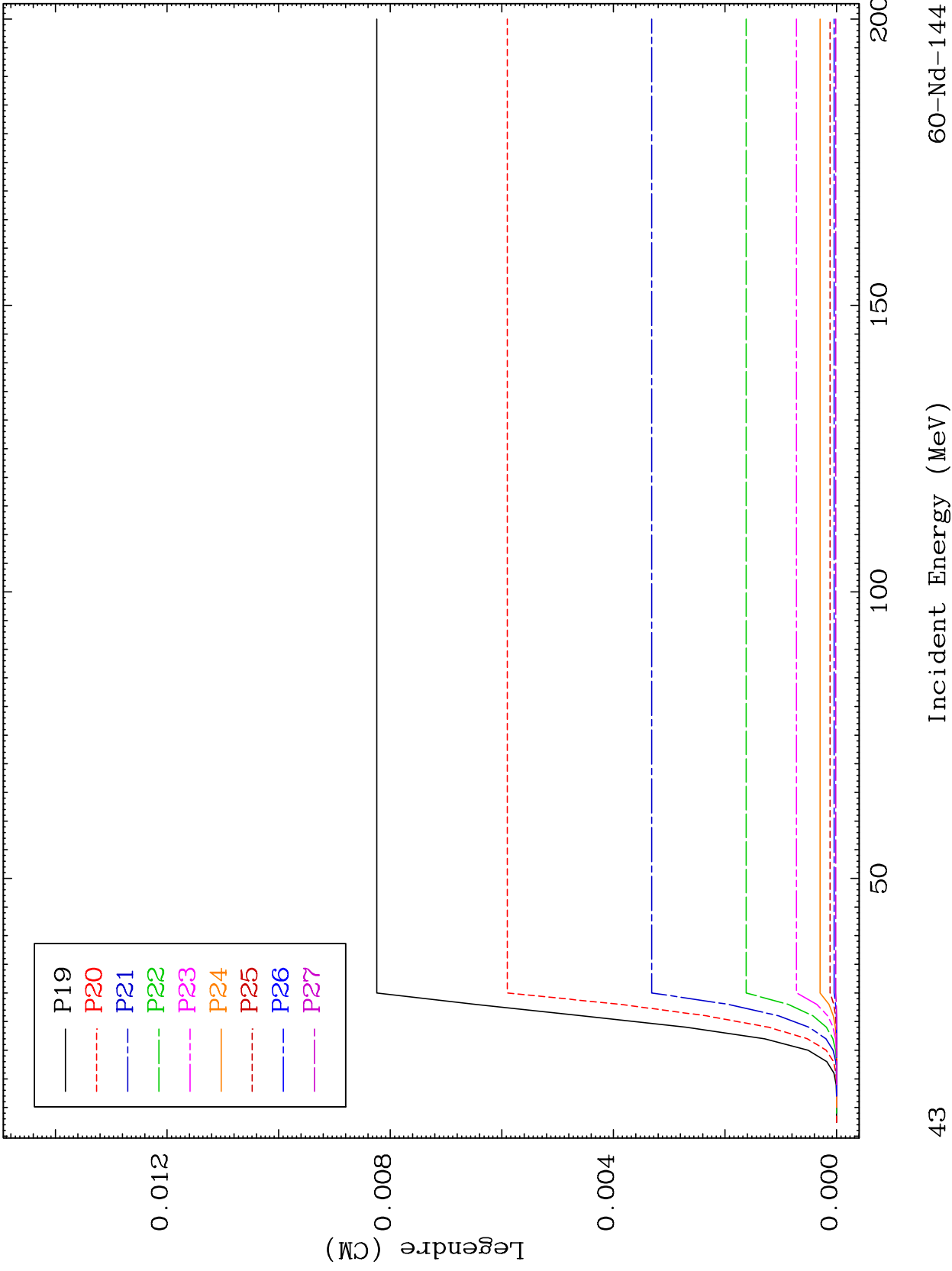
41

60-Nd-144

MAT 6031

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-144



43

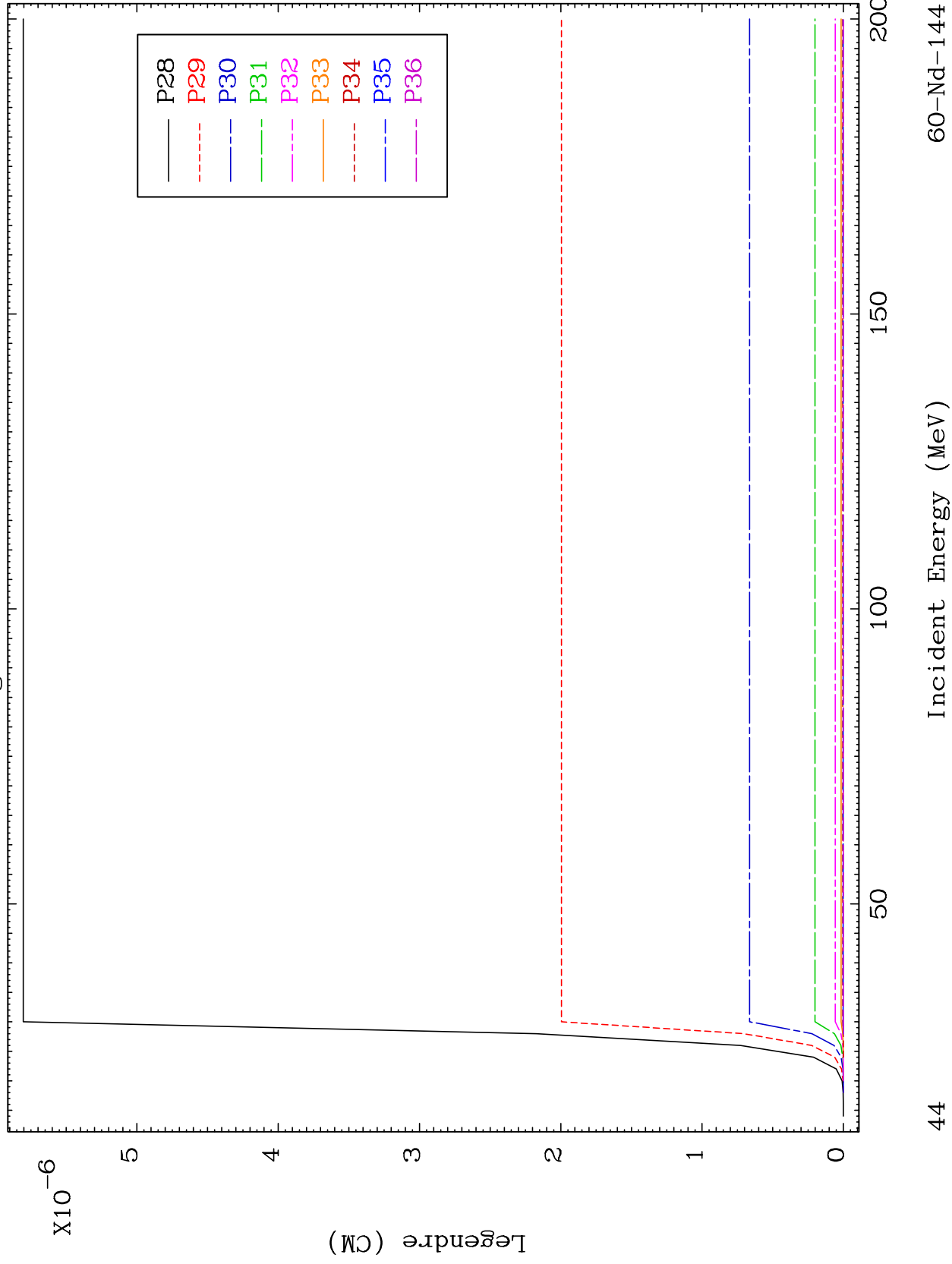
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 56 (n,n') Level
Legendre Coefficients

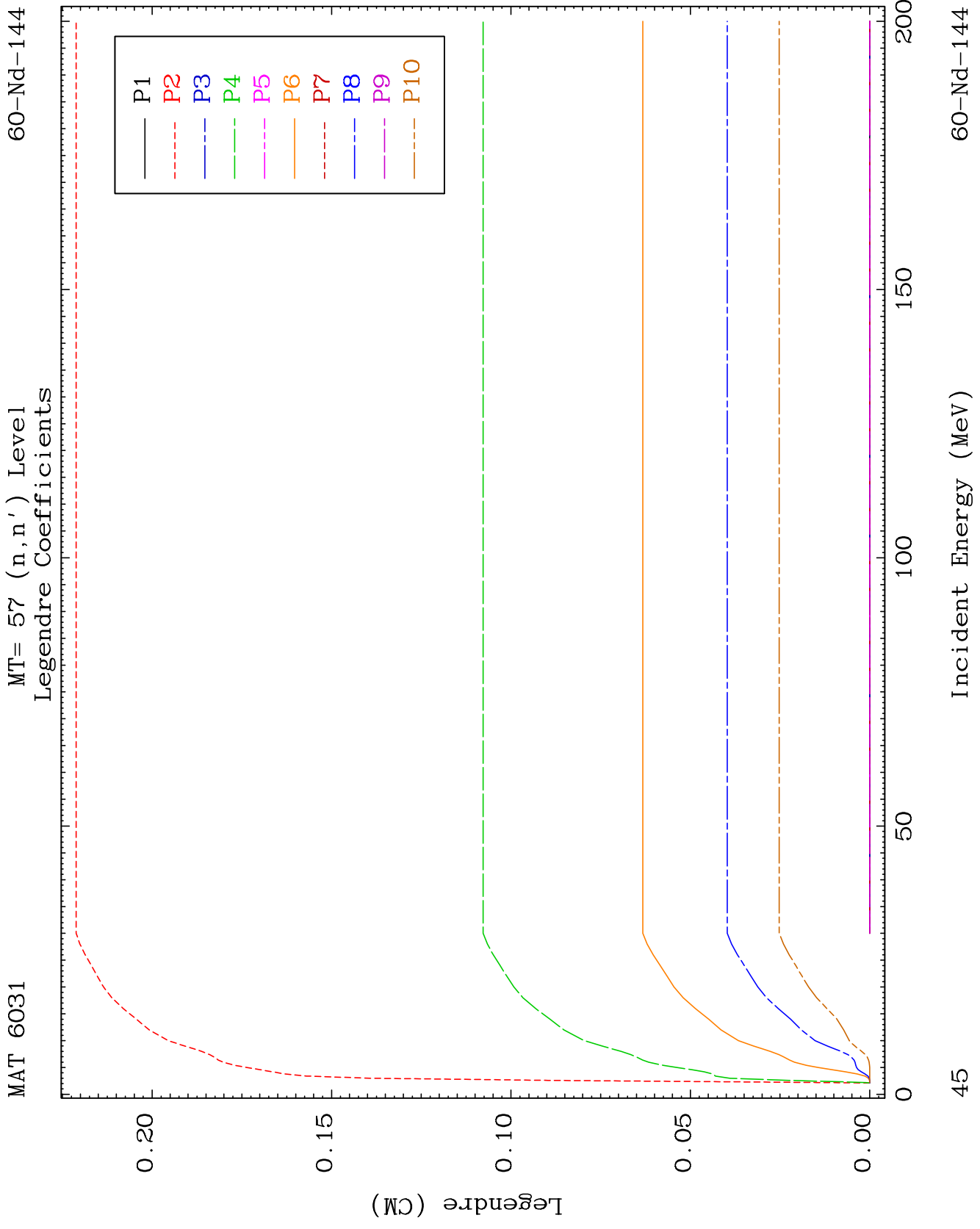
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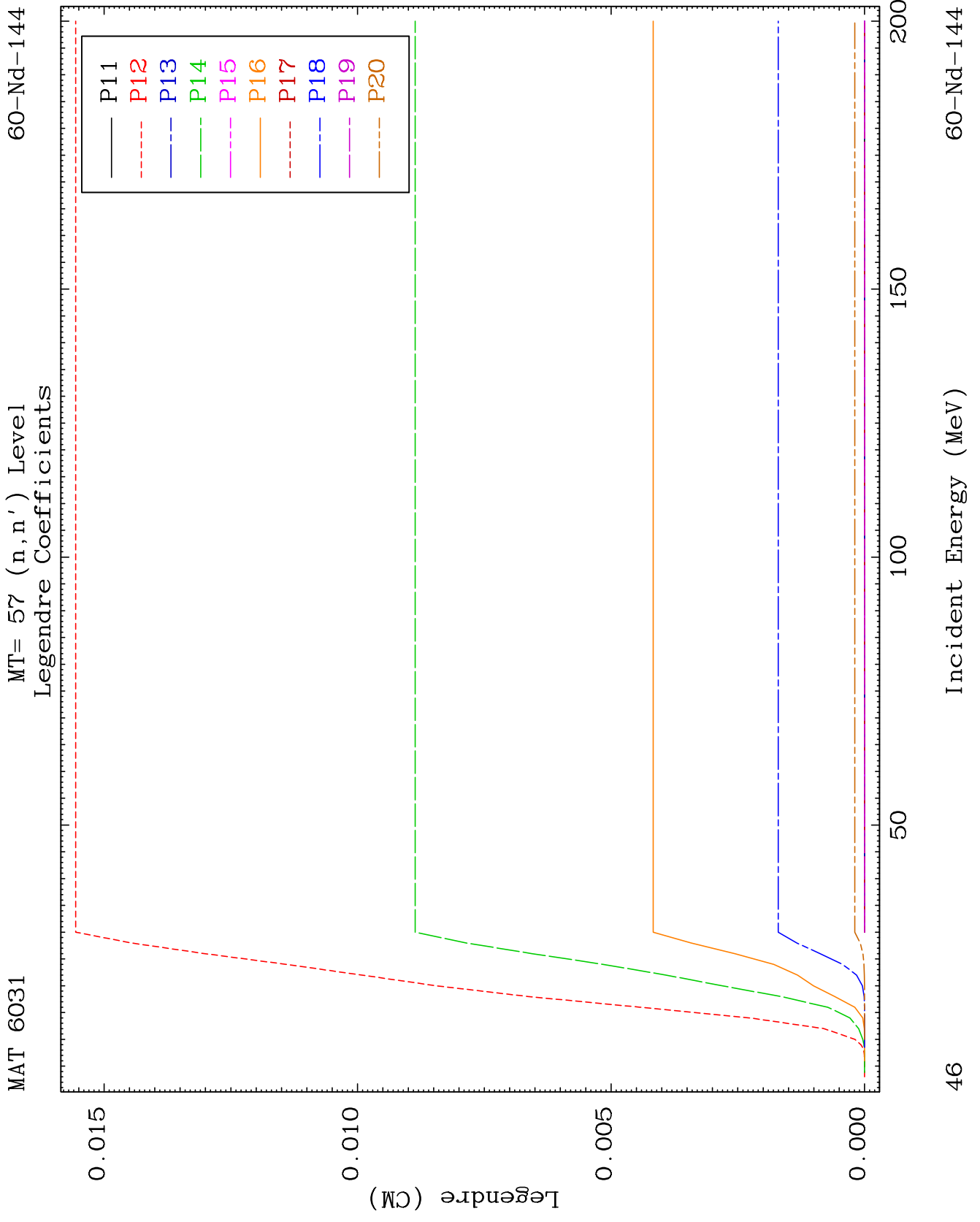


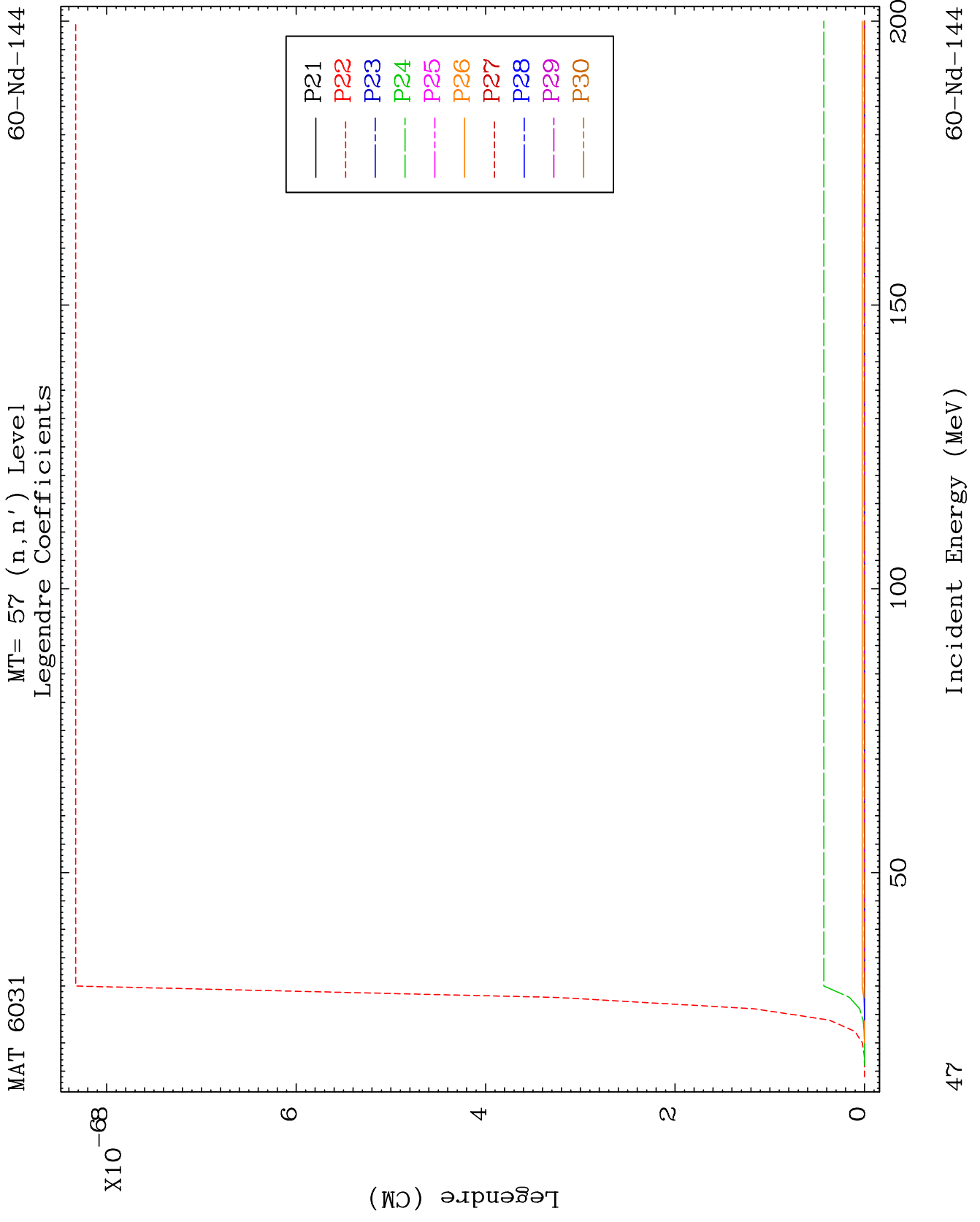
44

Incident Energy (MeV)

60-Nd-144



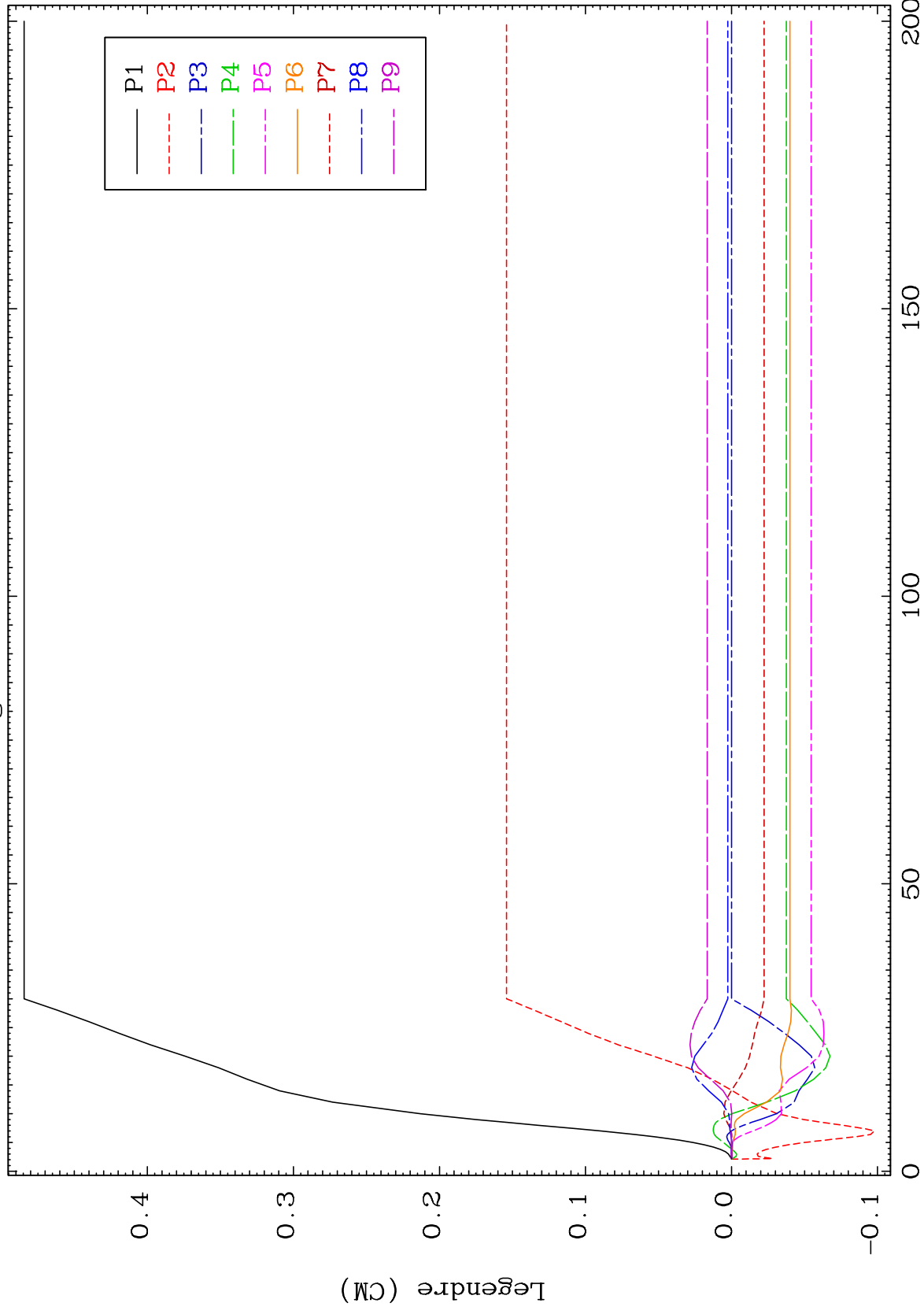




MAT 6031

MT= 58 (n,n') Level
Legendre Coefficients

60-Nd-144



48

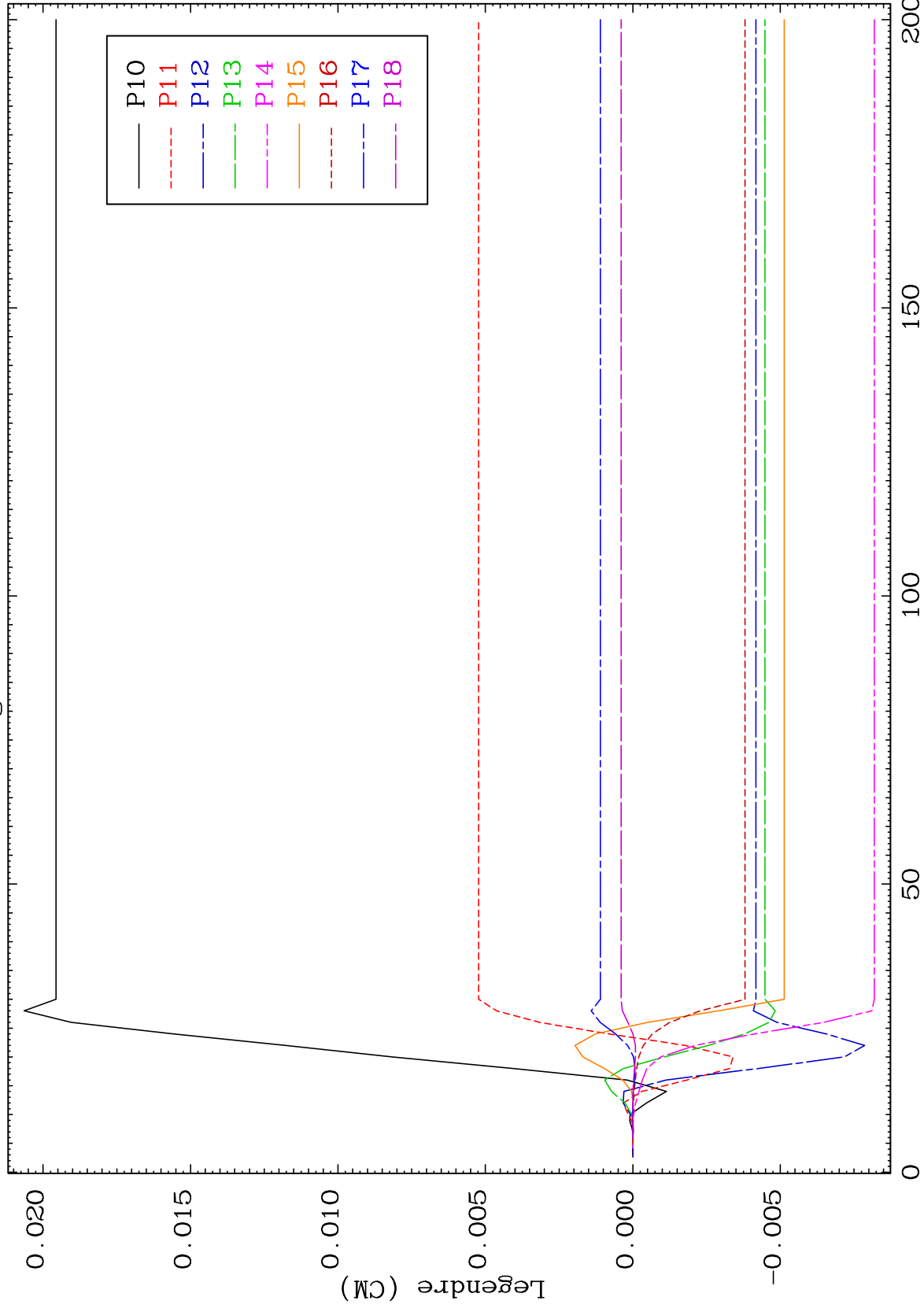
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 58 (n,n') Level
Legendre Coefficients

60-Nd-144



49

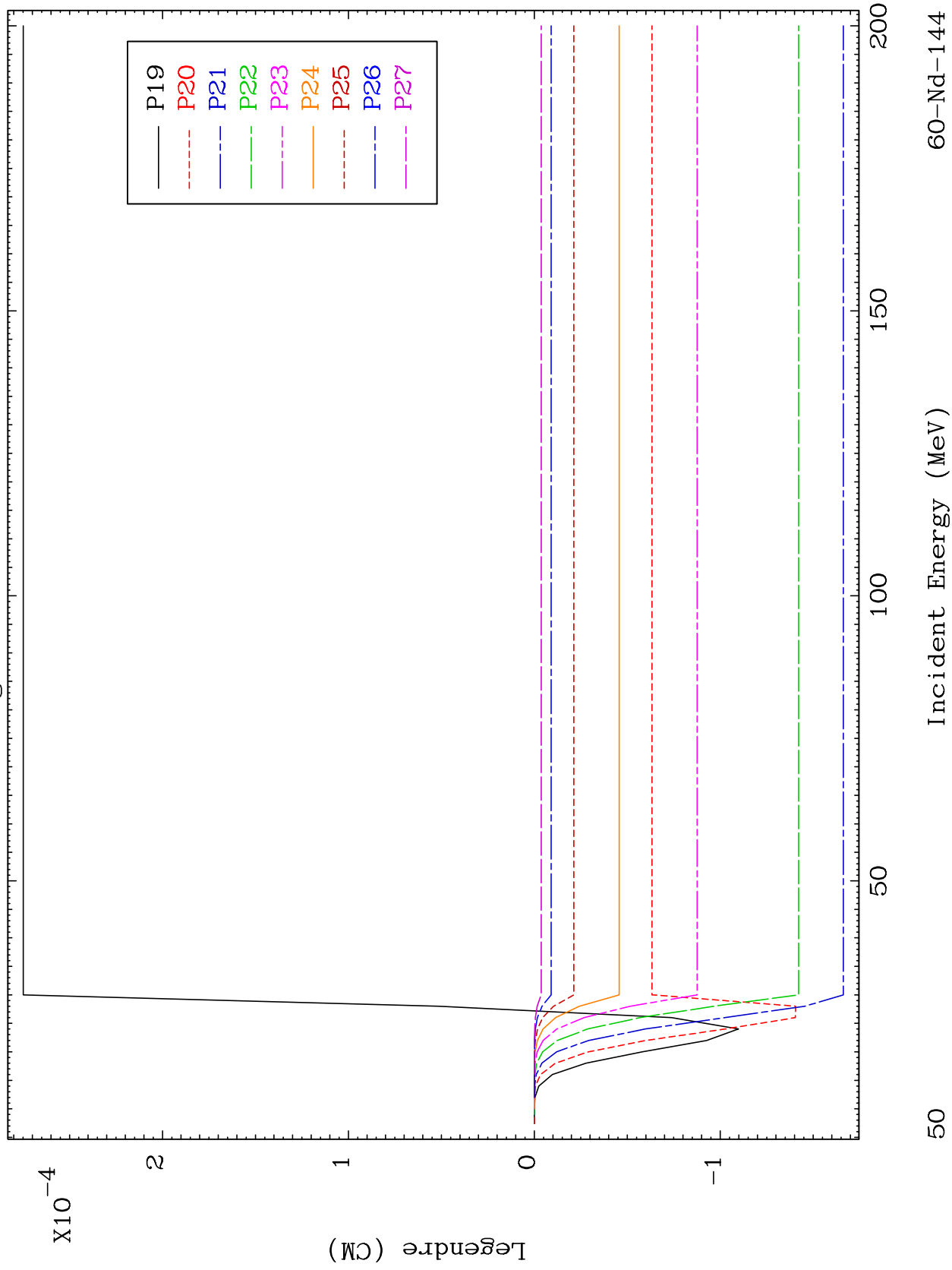
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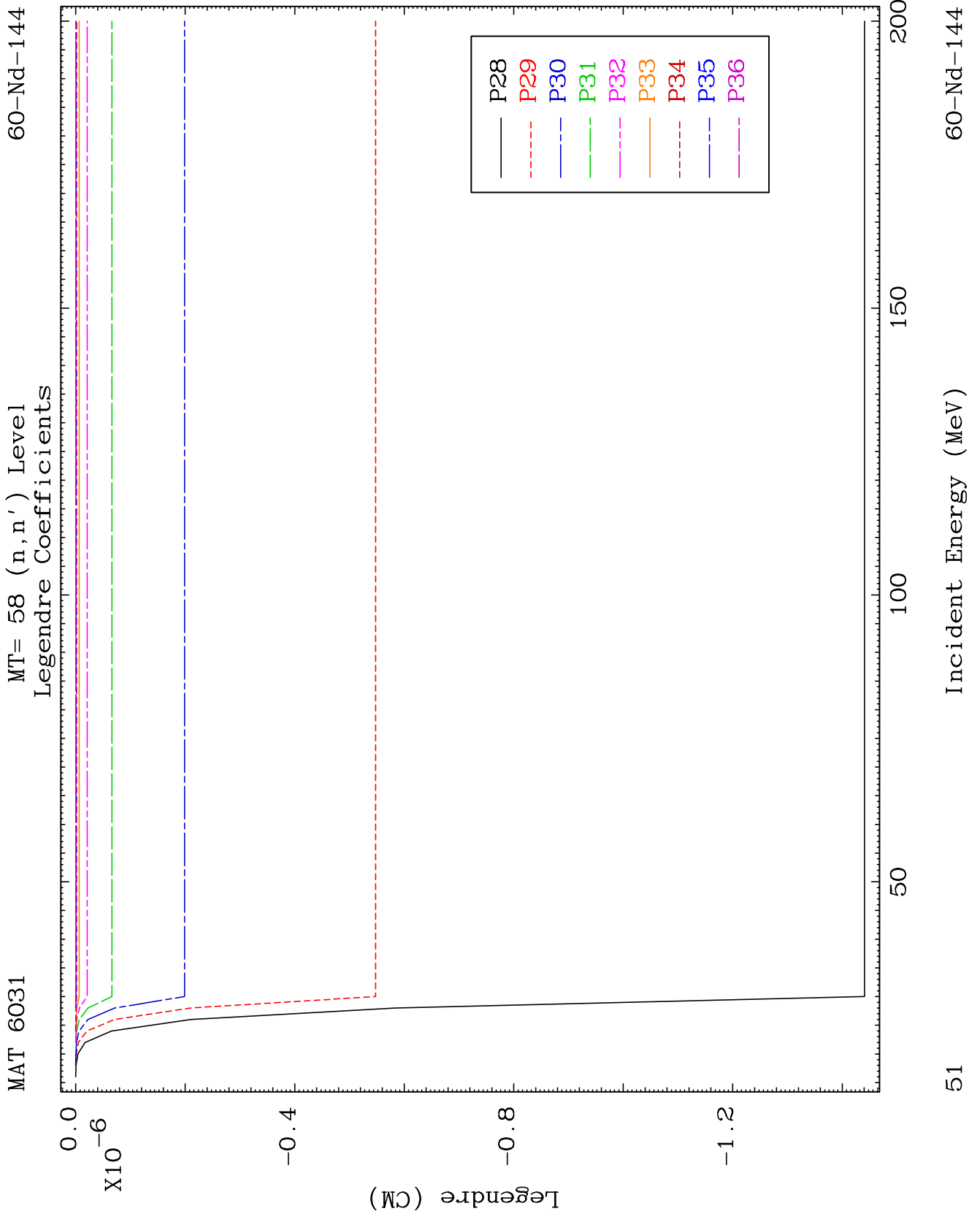
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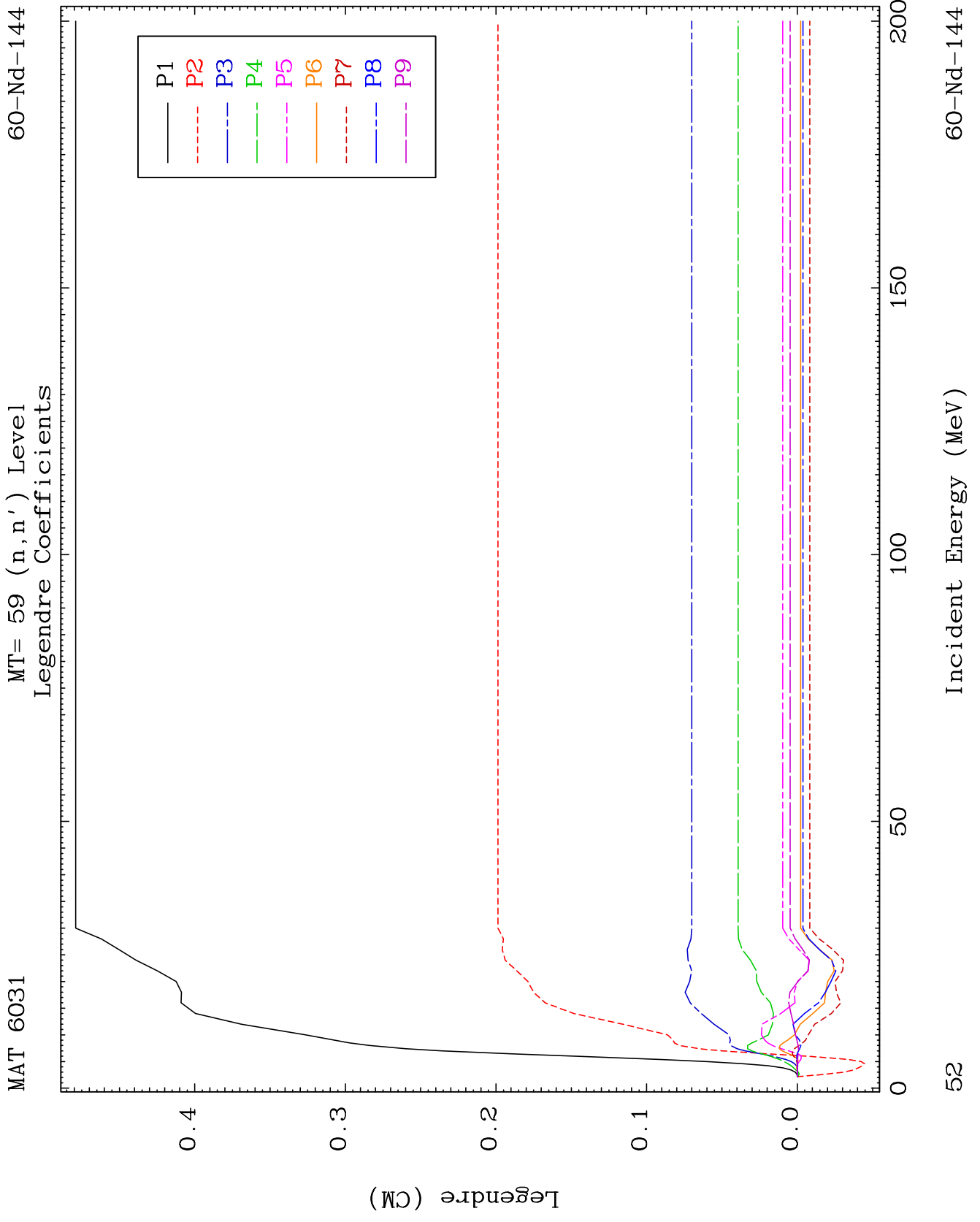
MAT 6031

MT= 58 (n,n') Level
Legendre Coefficients

60-Nd-144



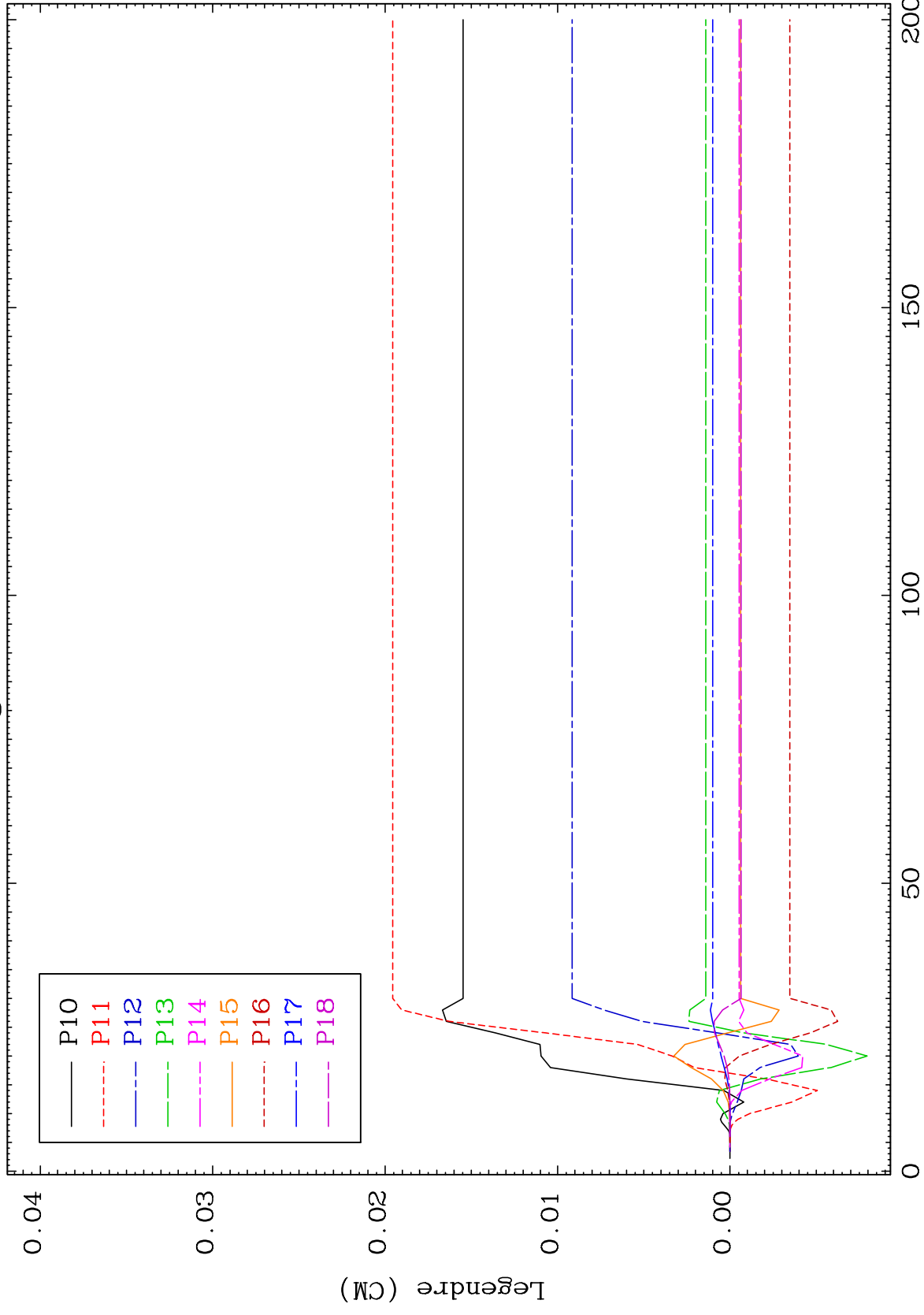




MAT 6031

MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-144



53

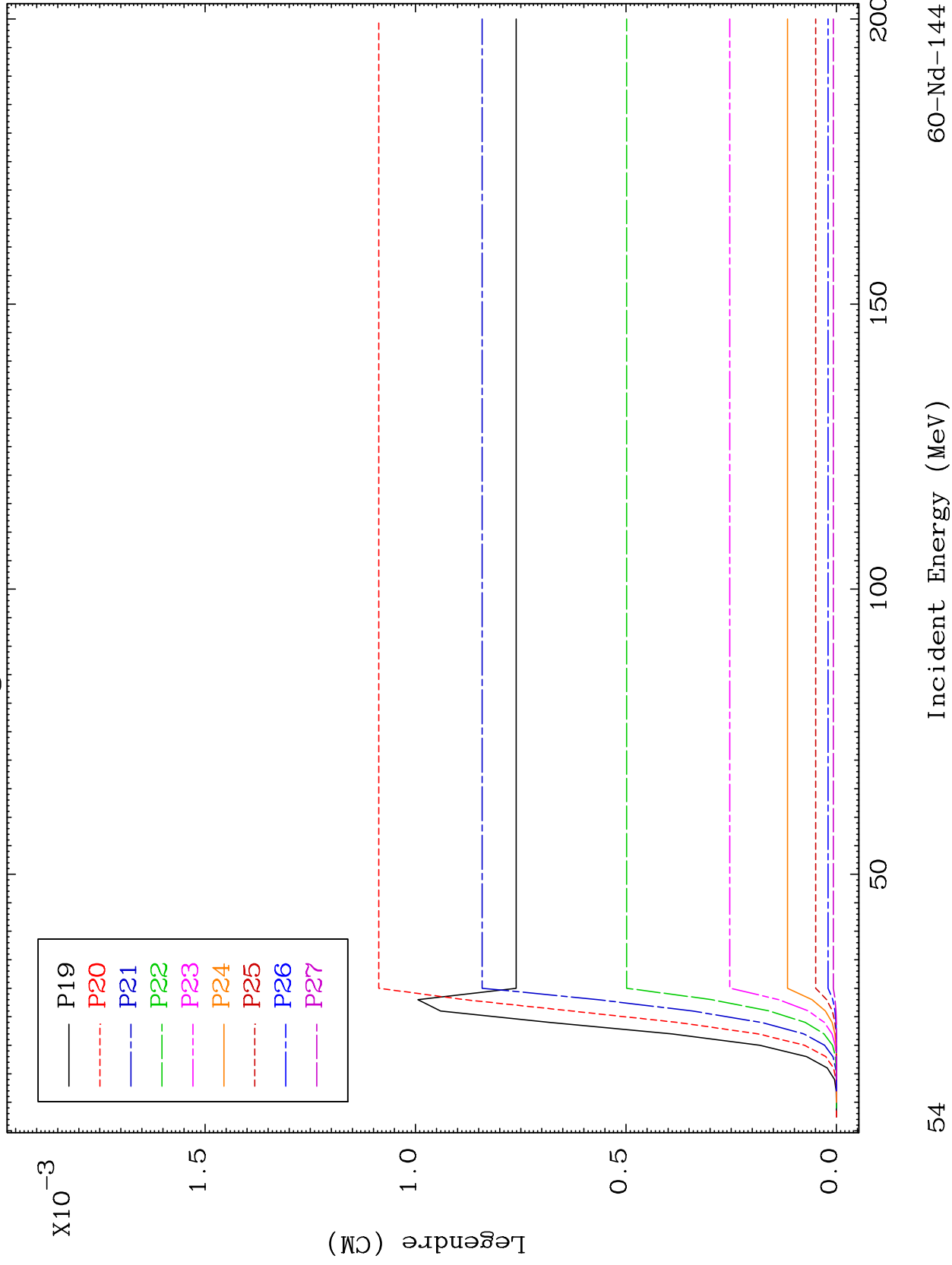
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 59 (n,n') Level
Legendre Coefficients

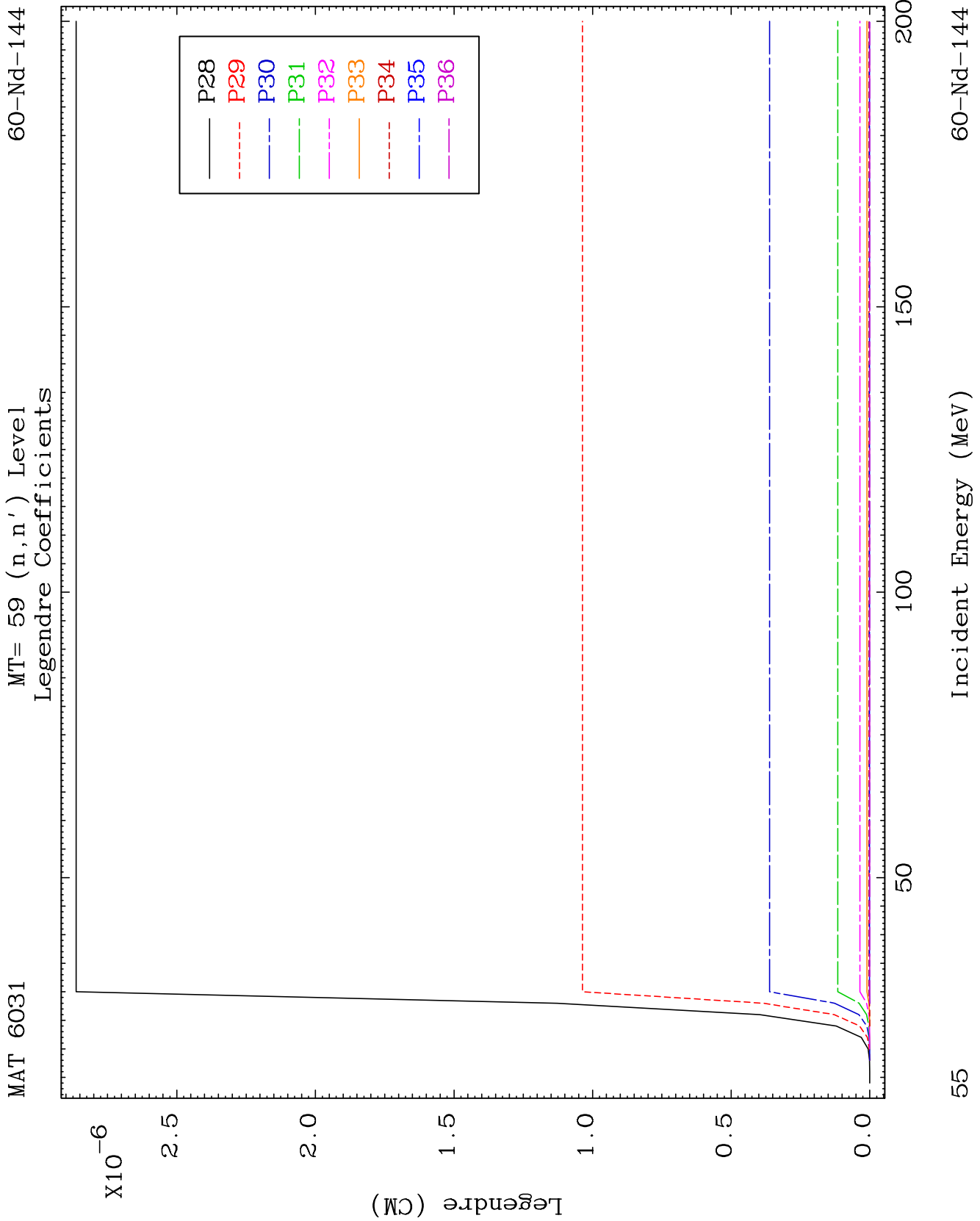
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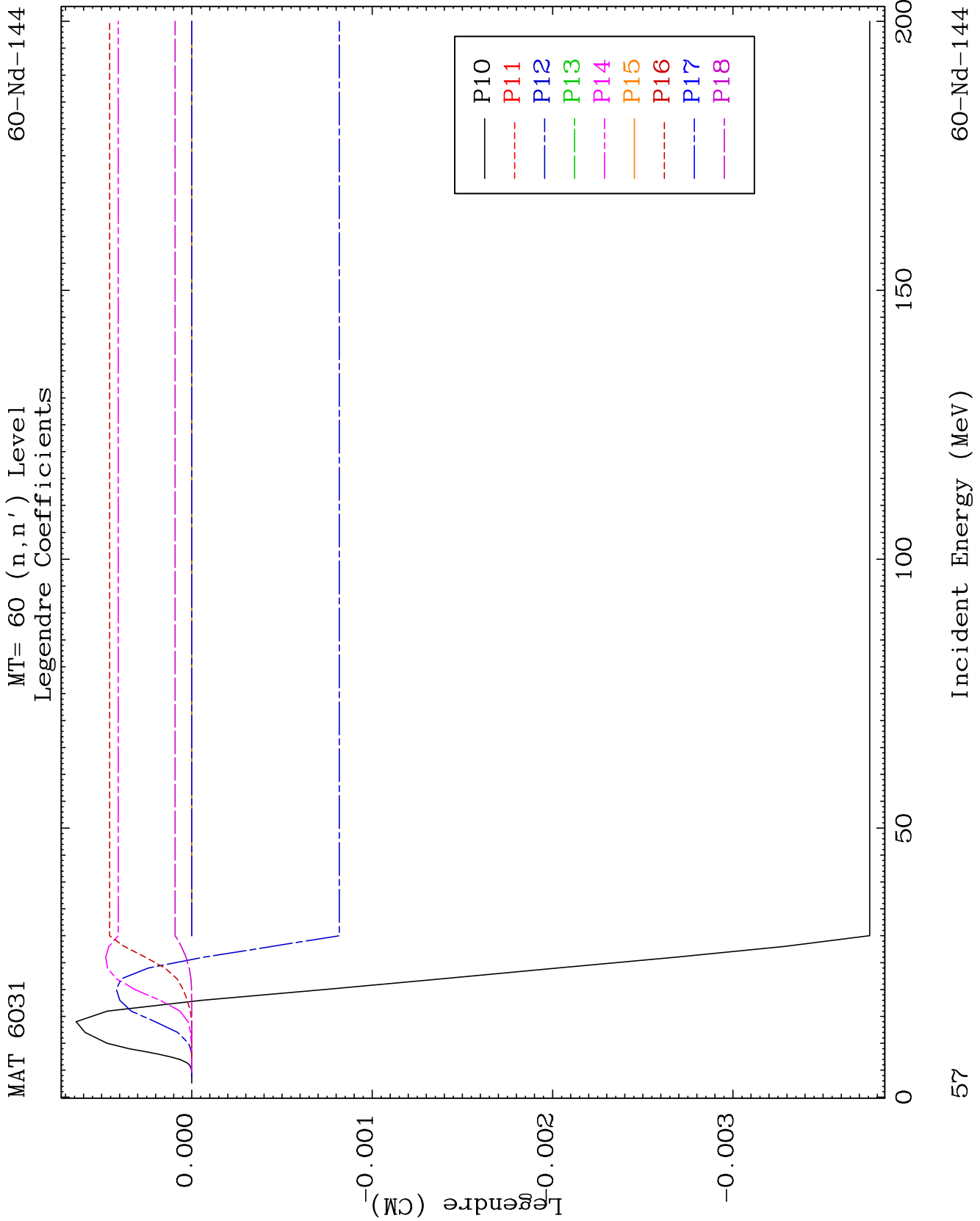


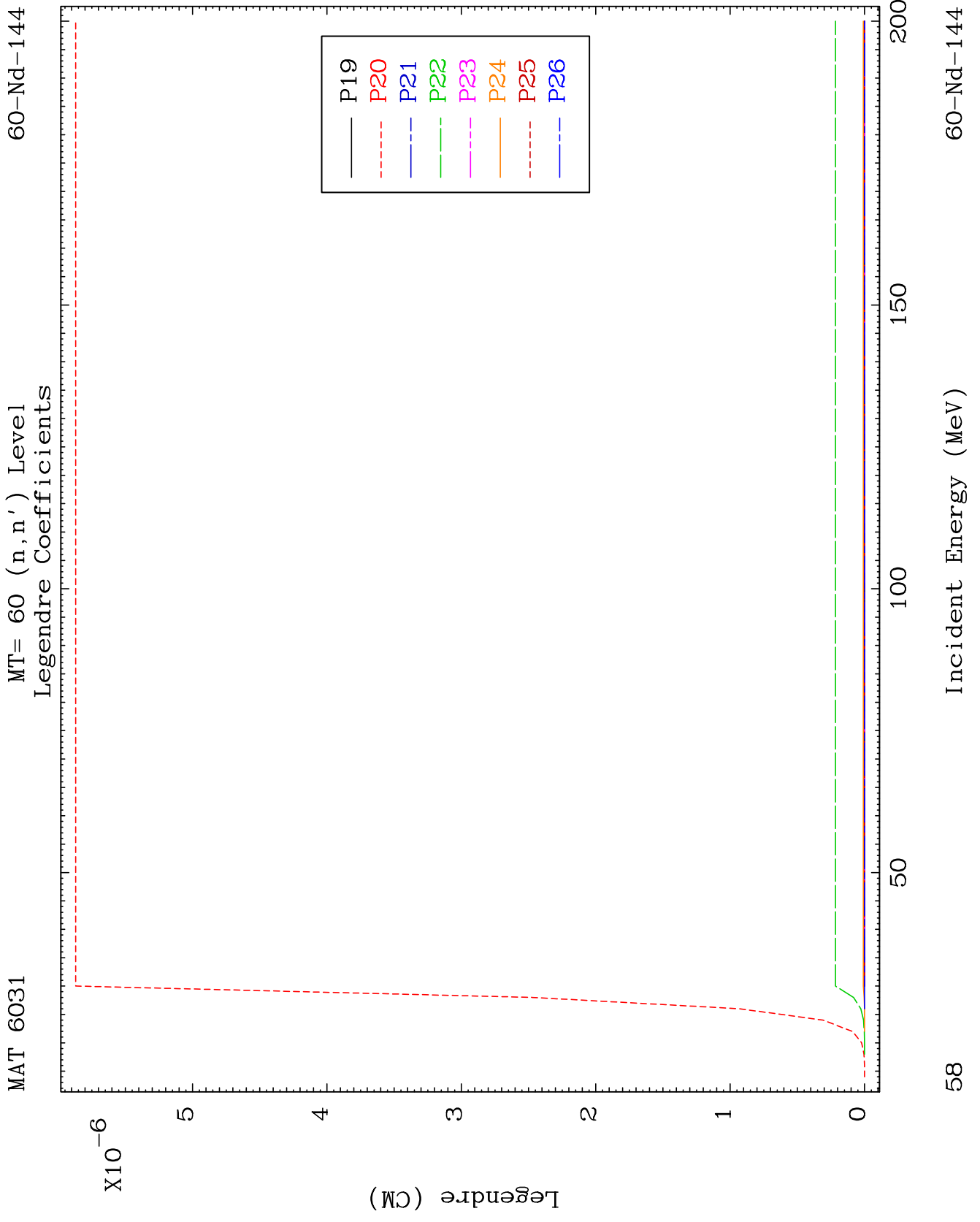
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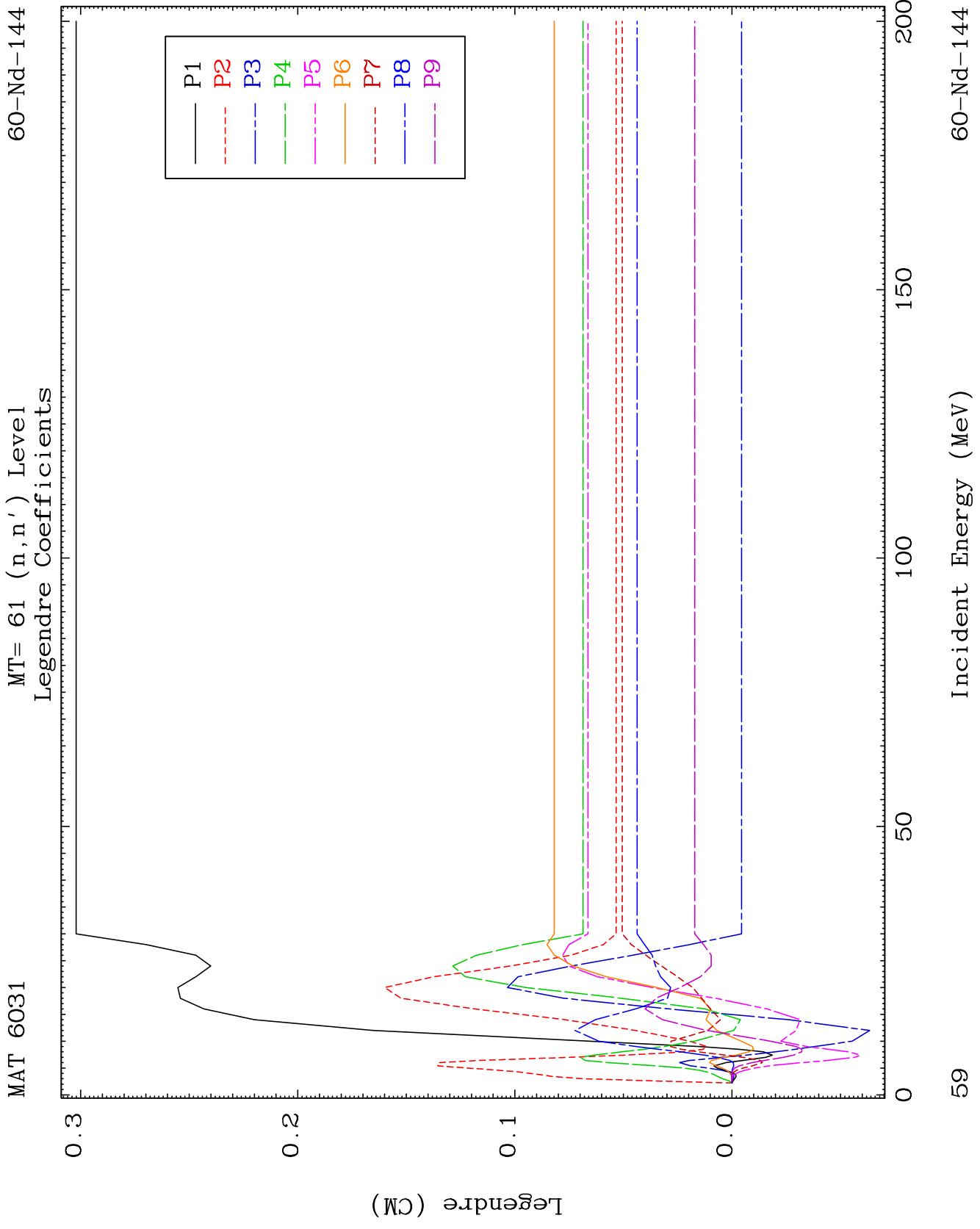
Incident Energy (MeV)

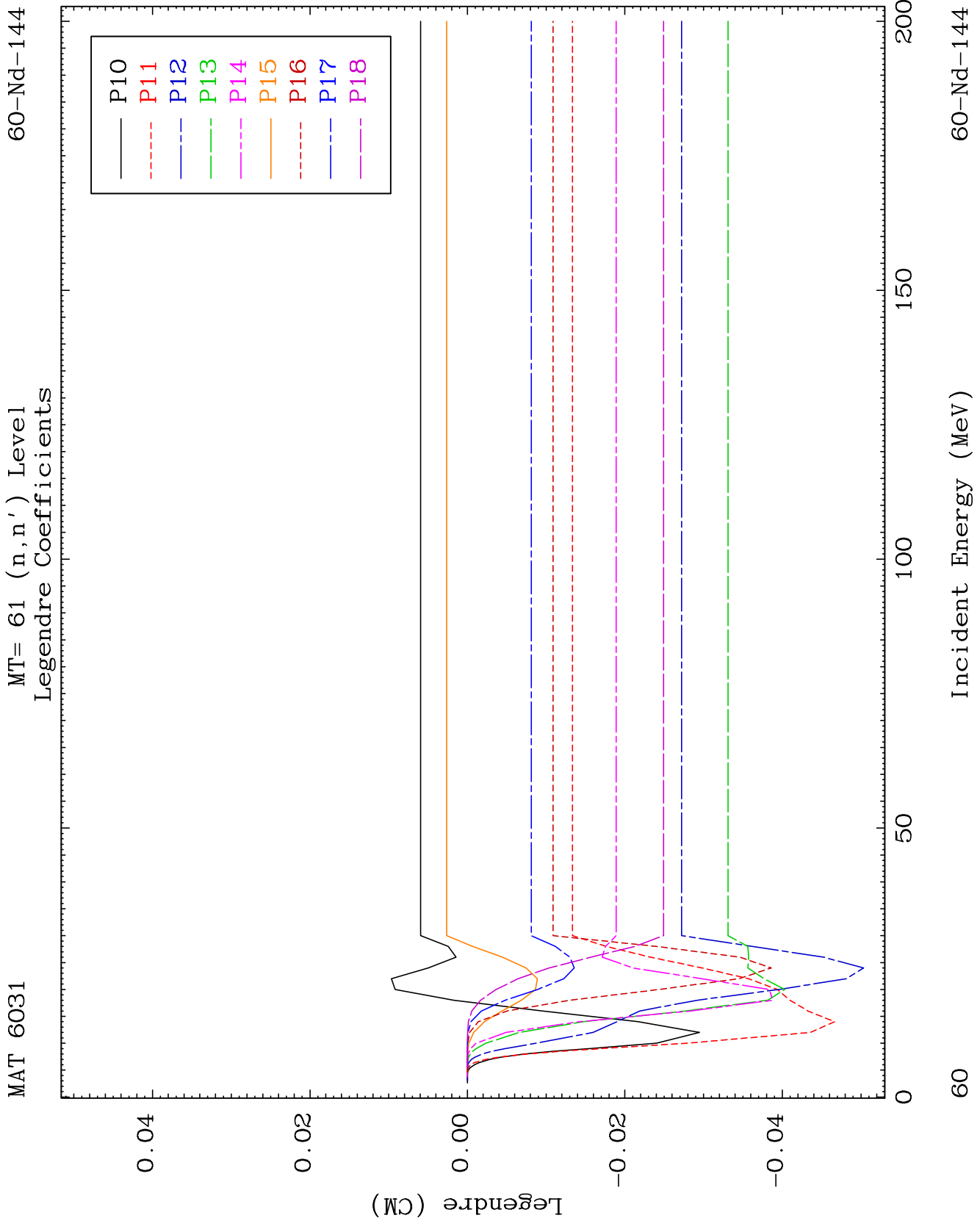
60-Nd-144

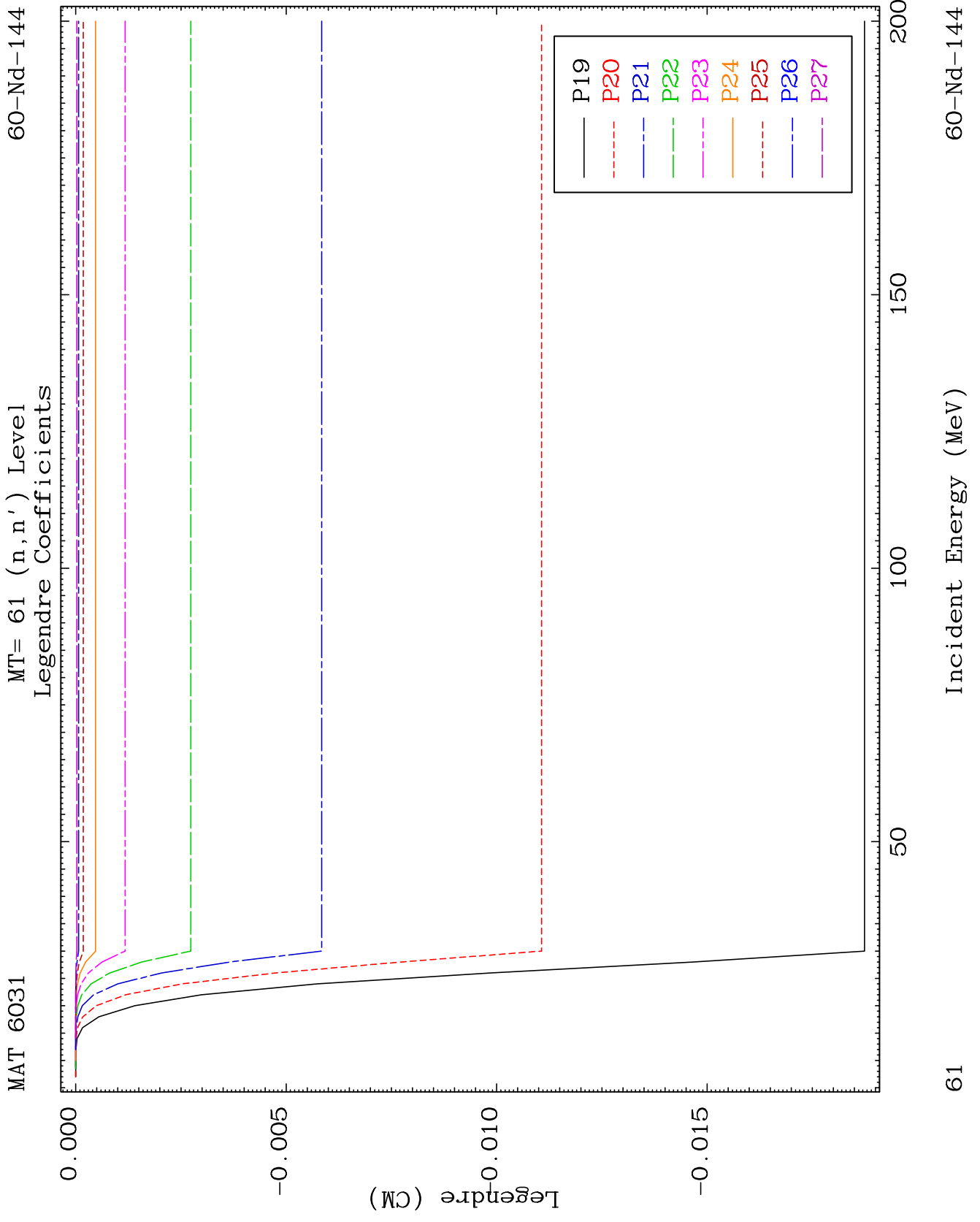


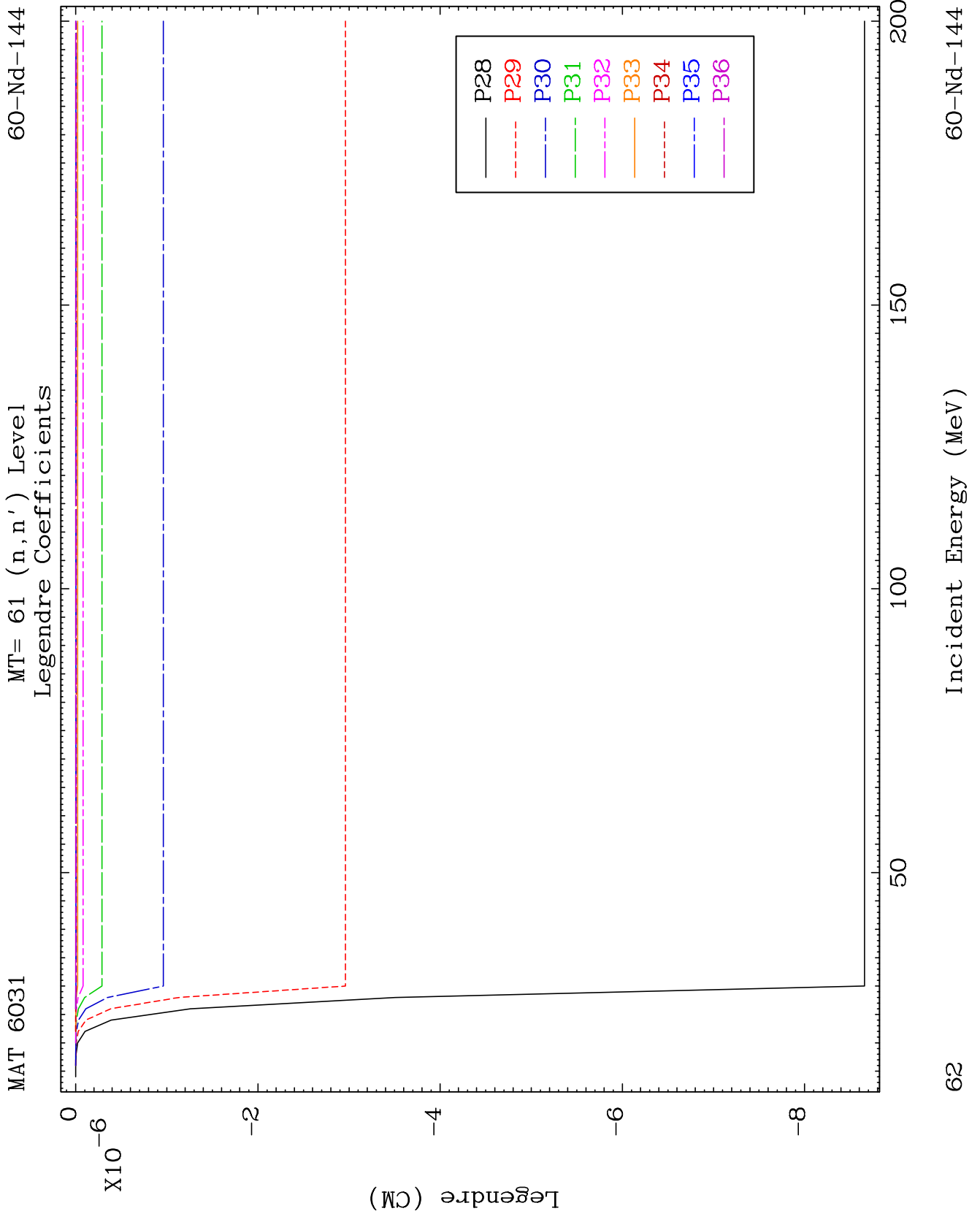


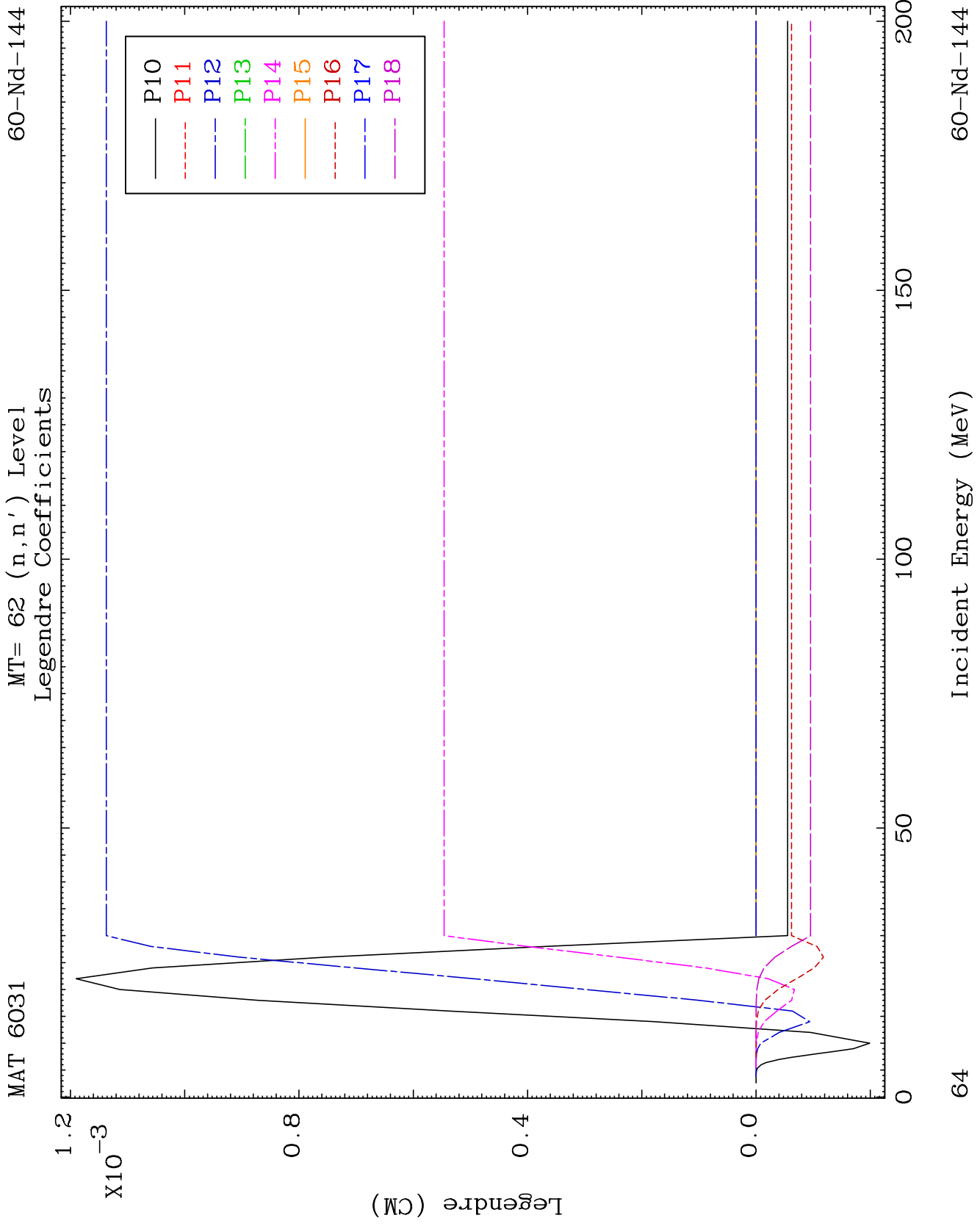


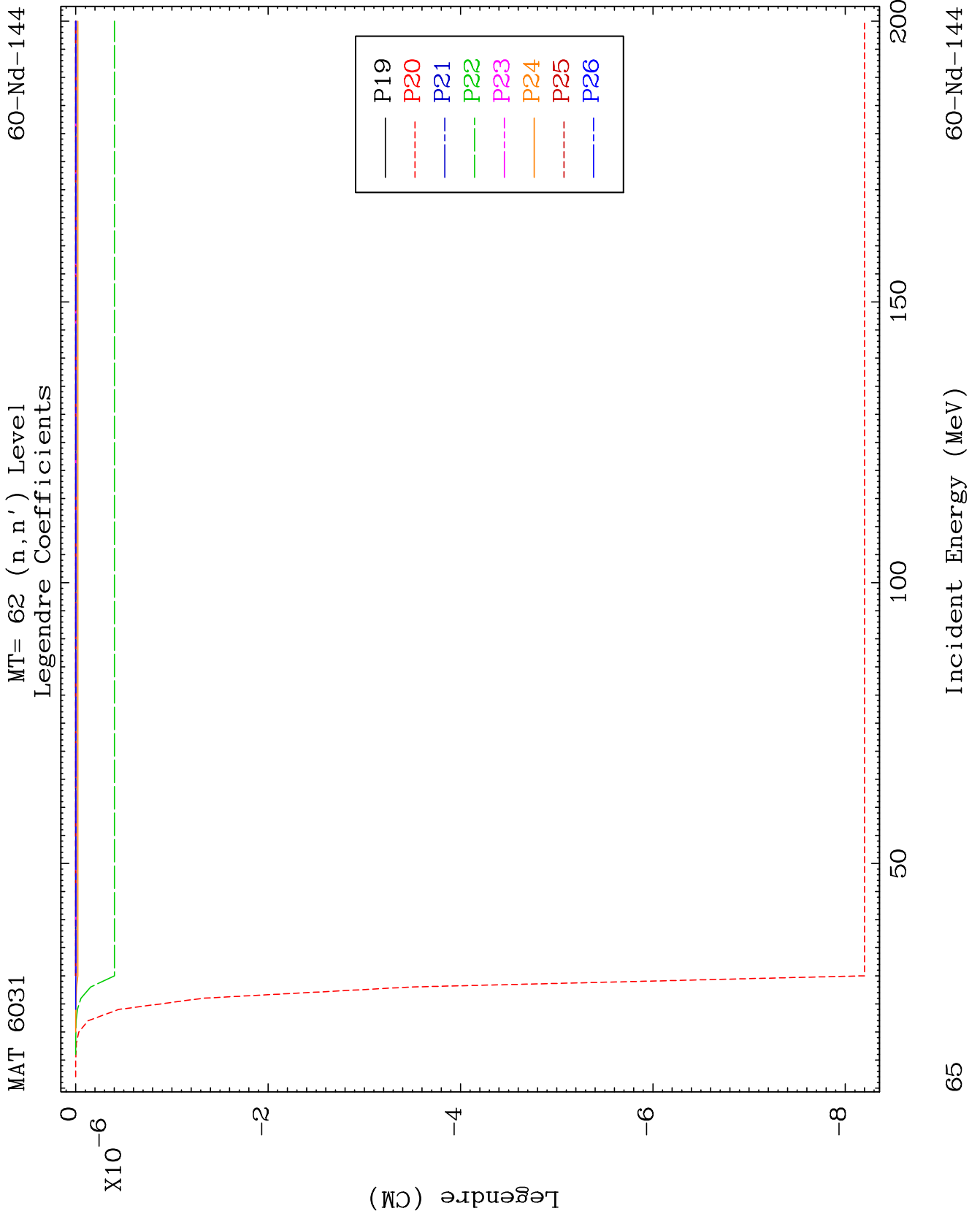








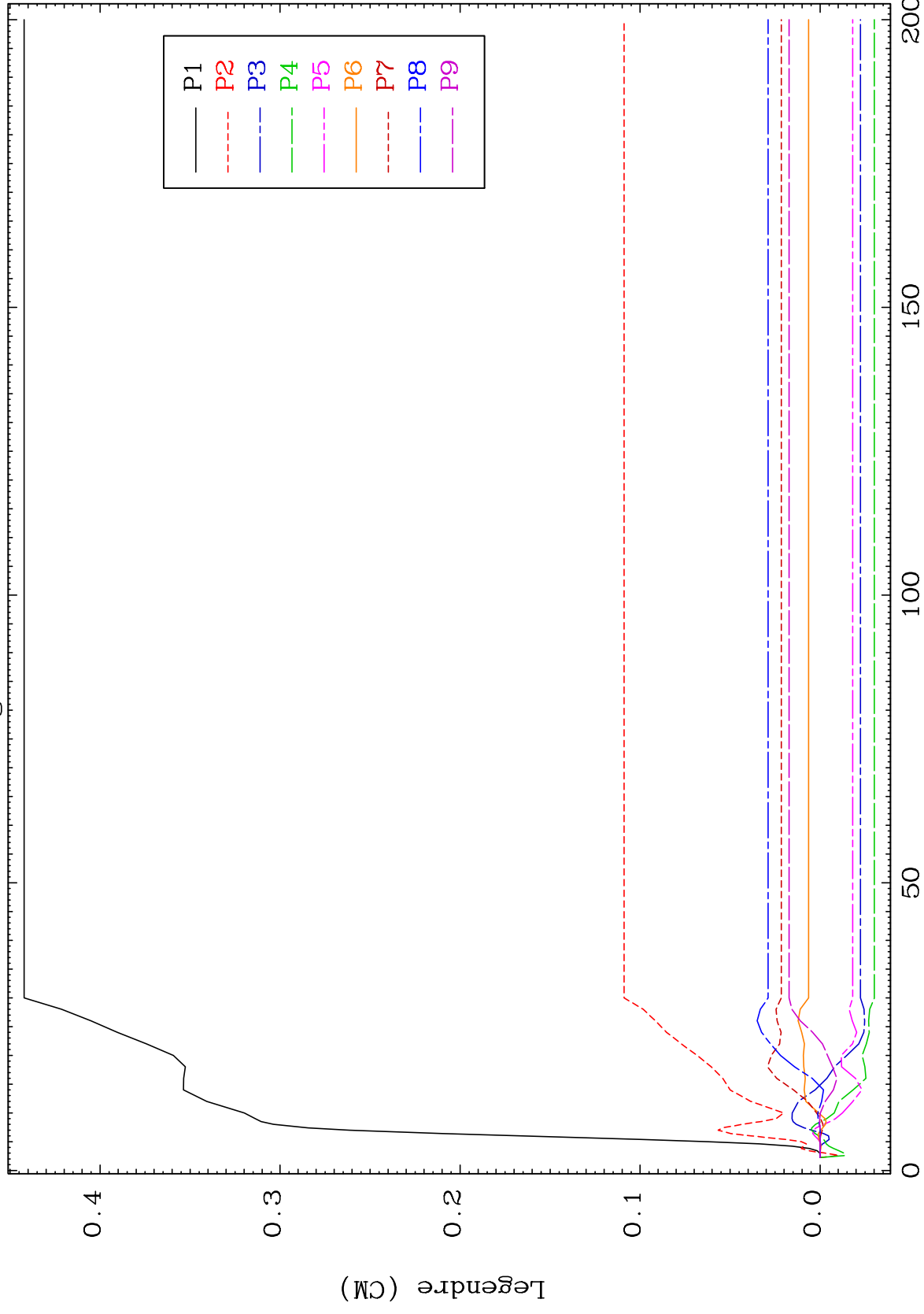




MAT 6031

MT= 63 (n,n') Level
Legendre Coefficients

60-Nd-144



66

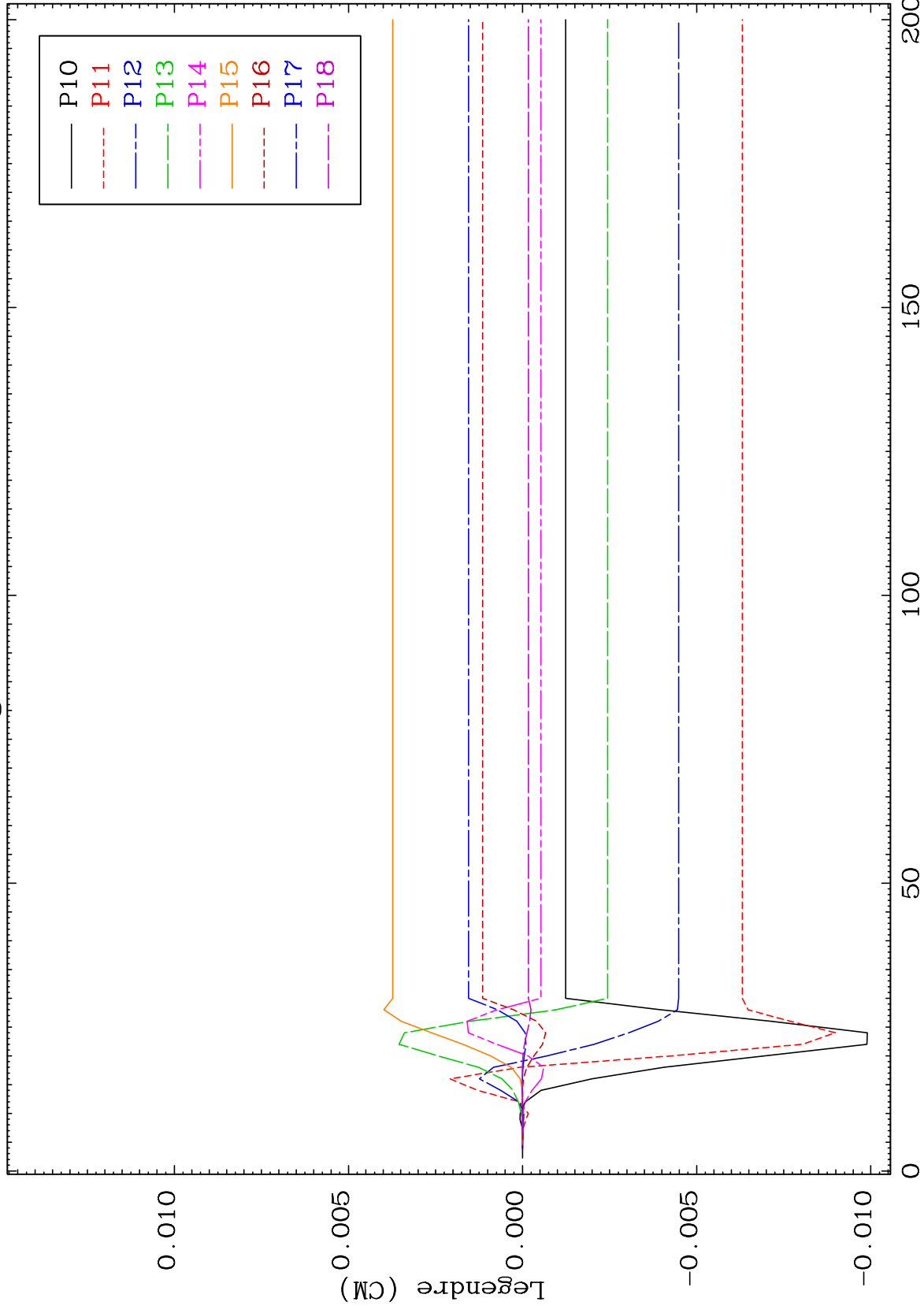
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 63 (n,n') Level
Legendre Coefficients

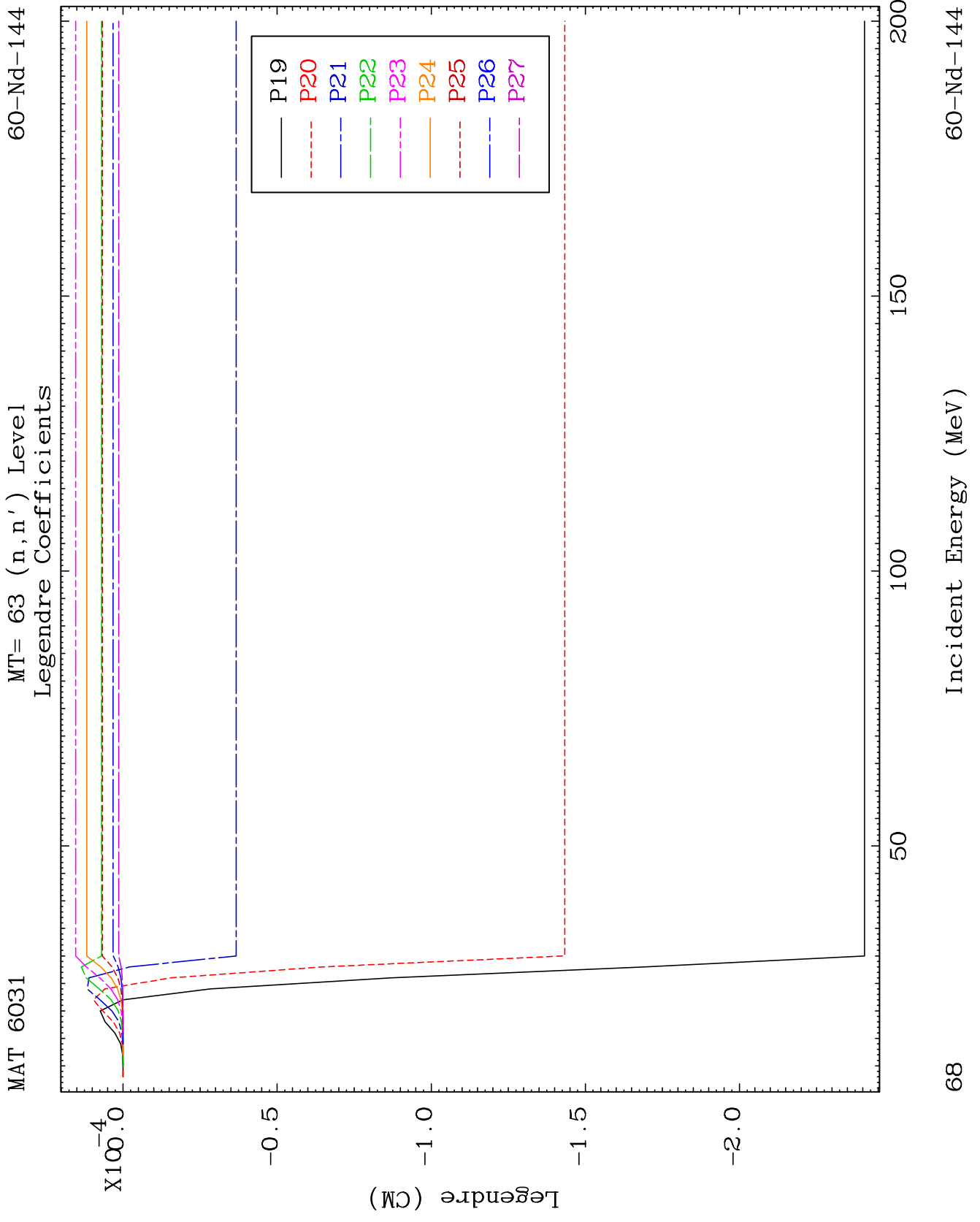
60-Nd-144



67

Incident Energy (MeV)

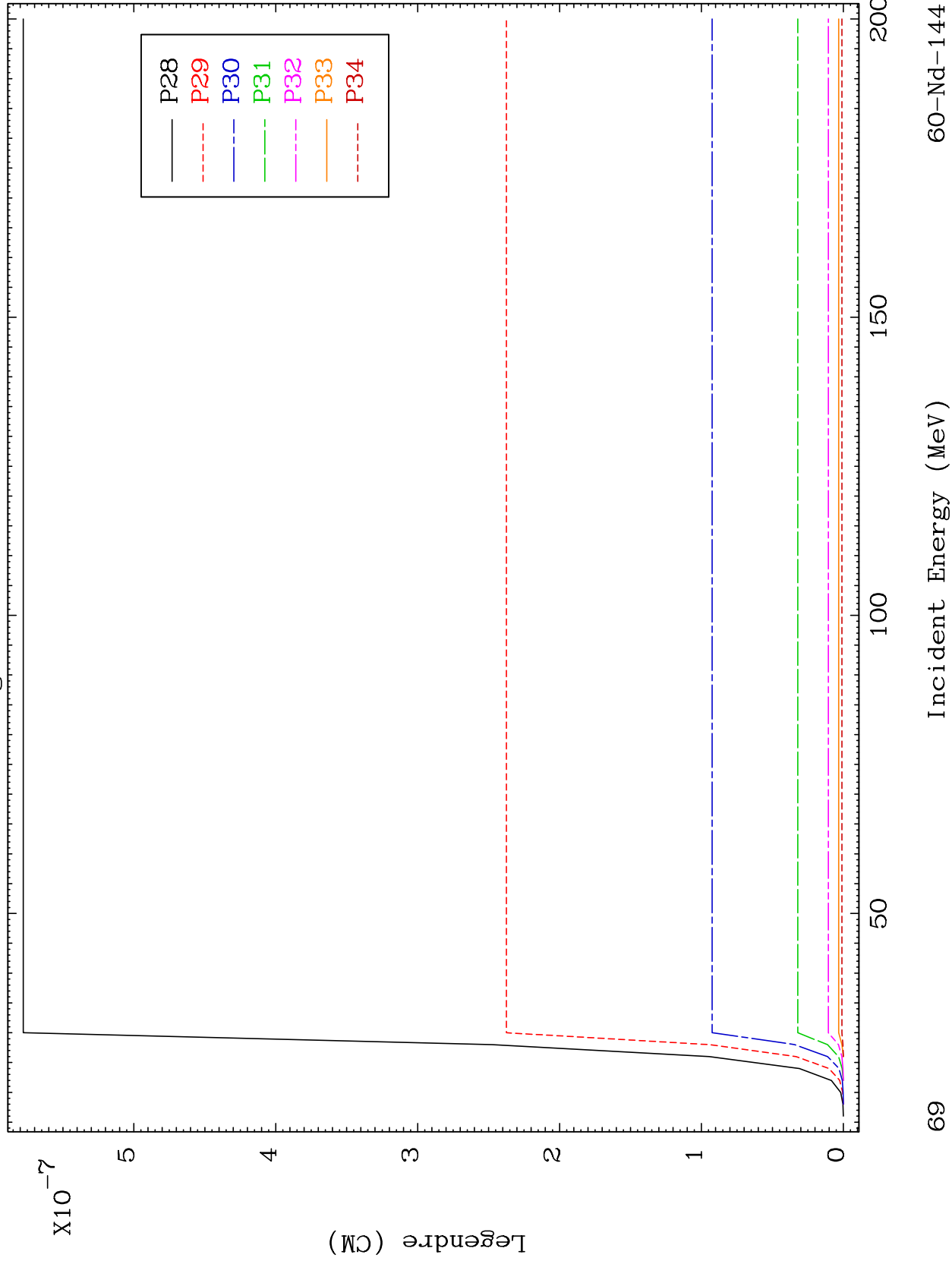
60-Nd-144

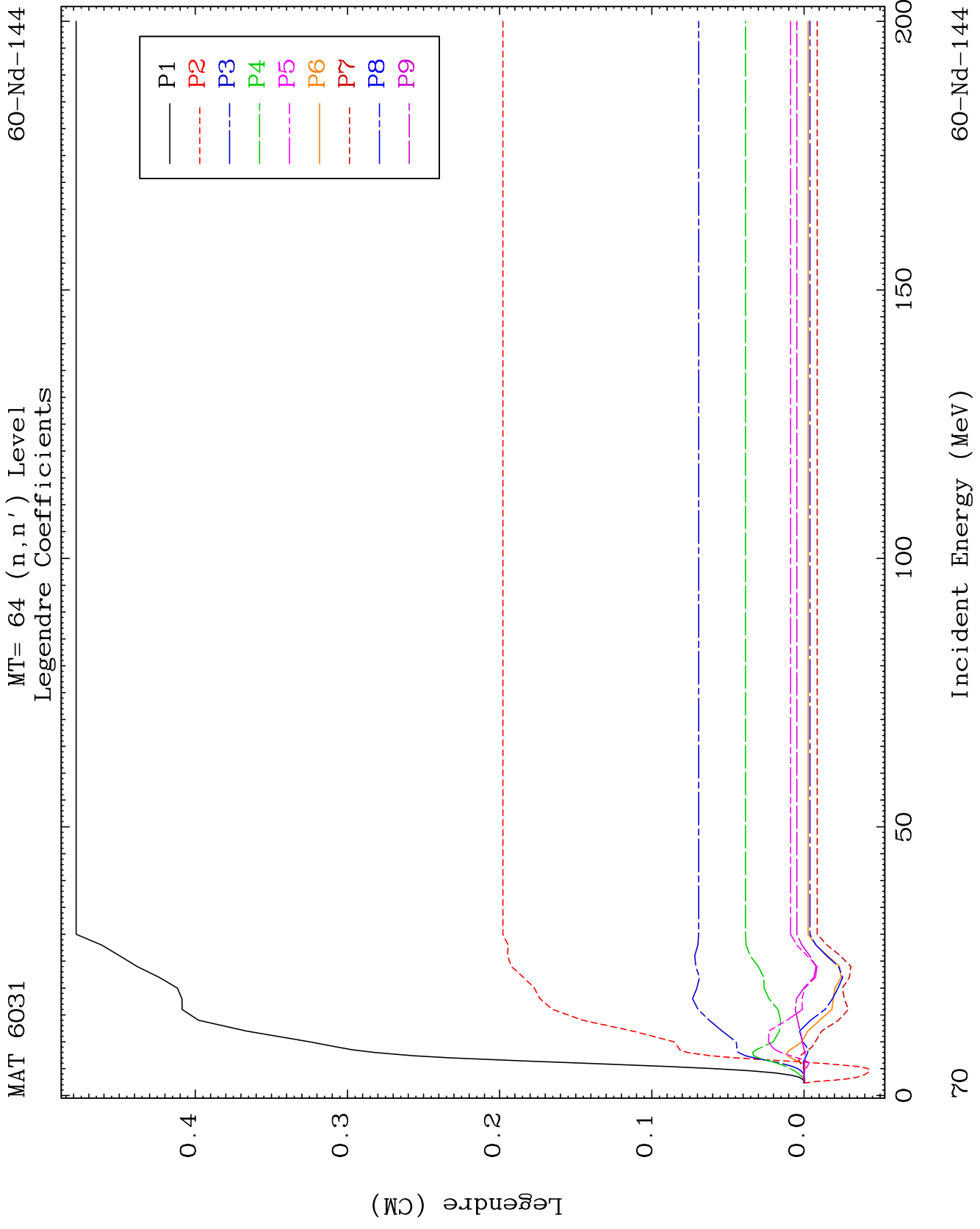


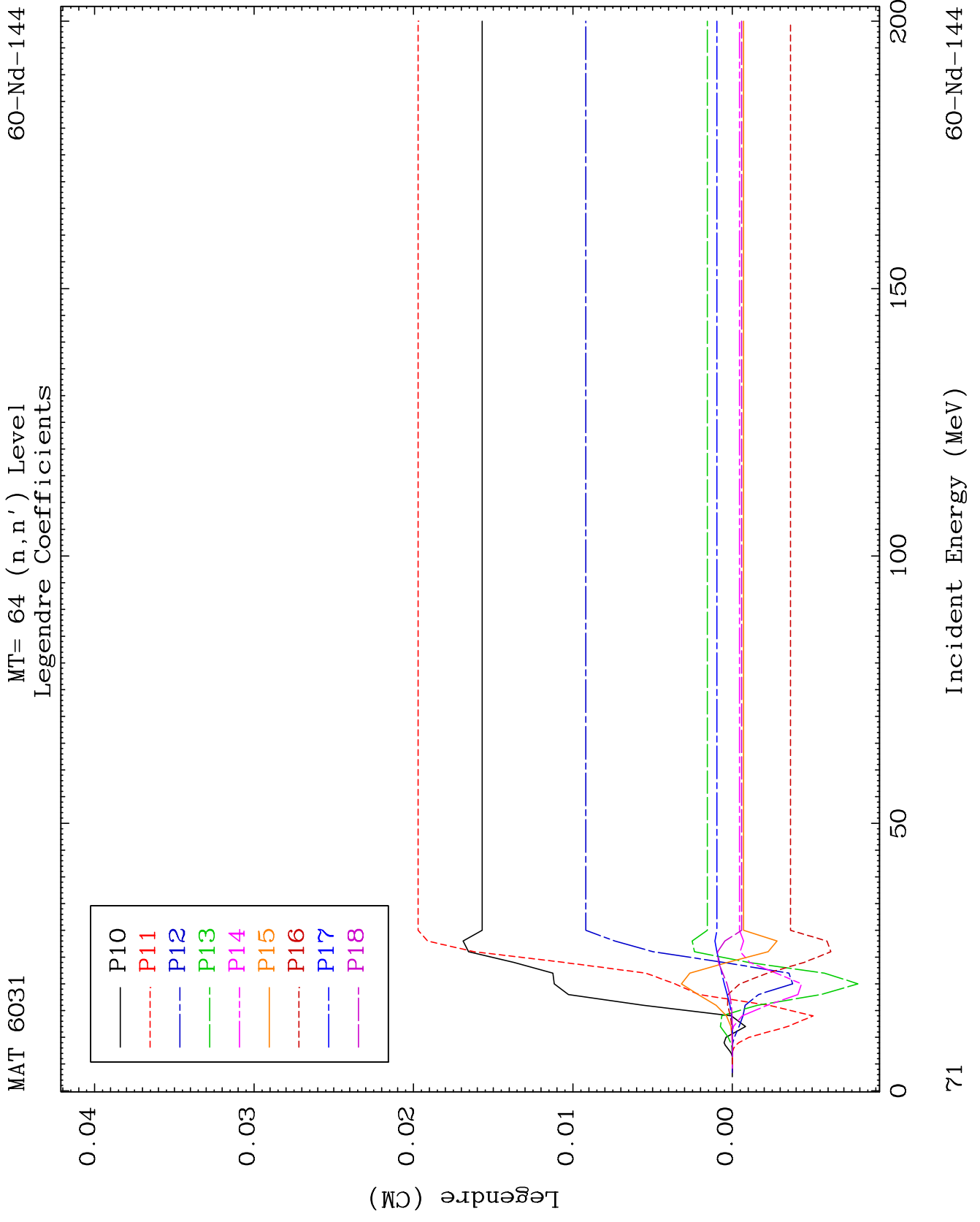
MAT 6031

MT= 63 (n,n') Level
Legendre Coefficients

60-Nd-144



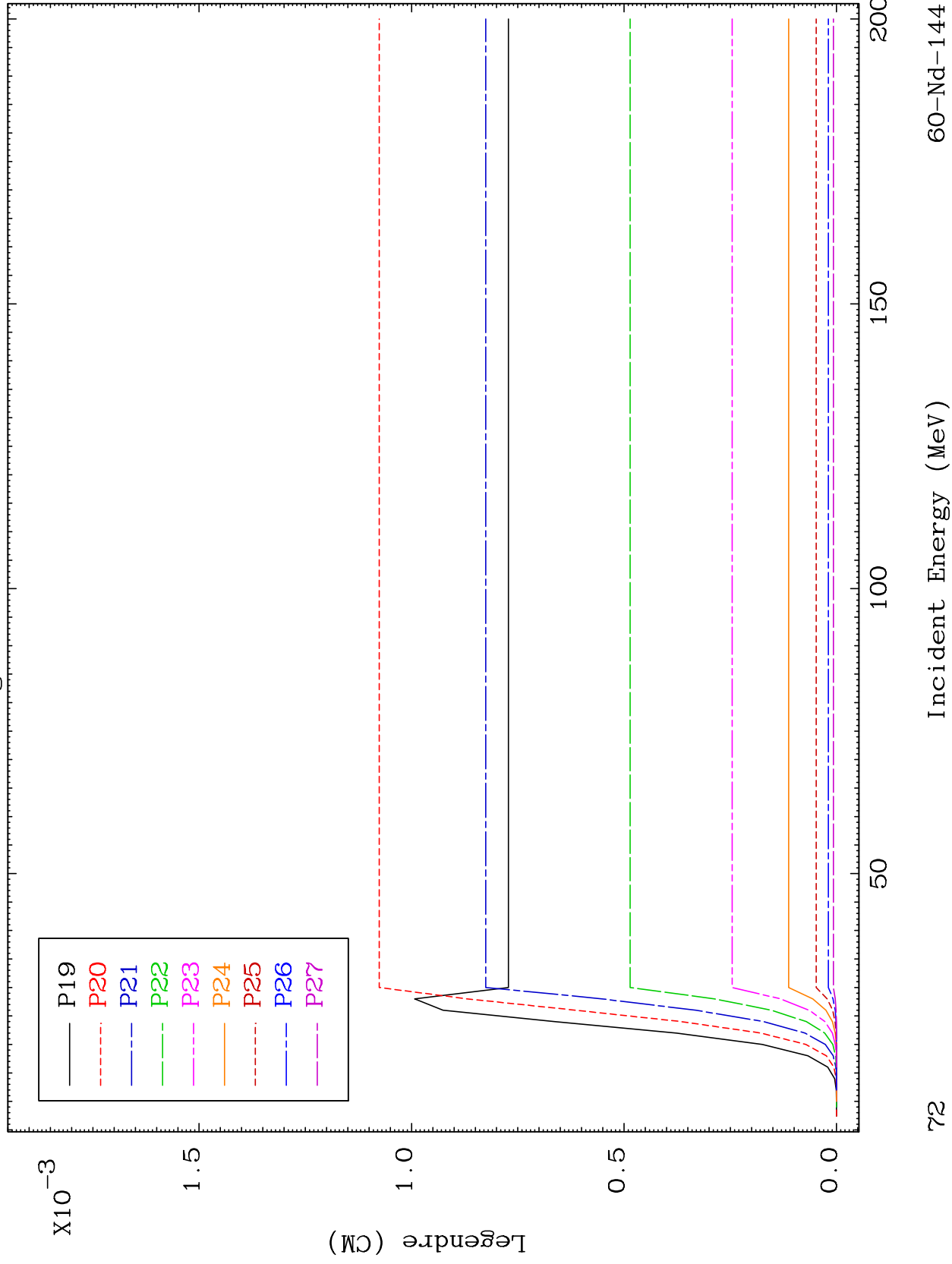




MAT 6031

MT= 64 (n,n') Level
Legendre Coefficients

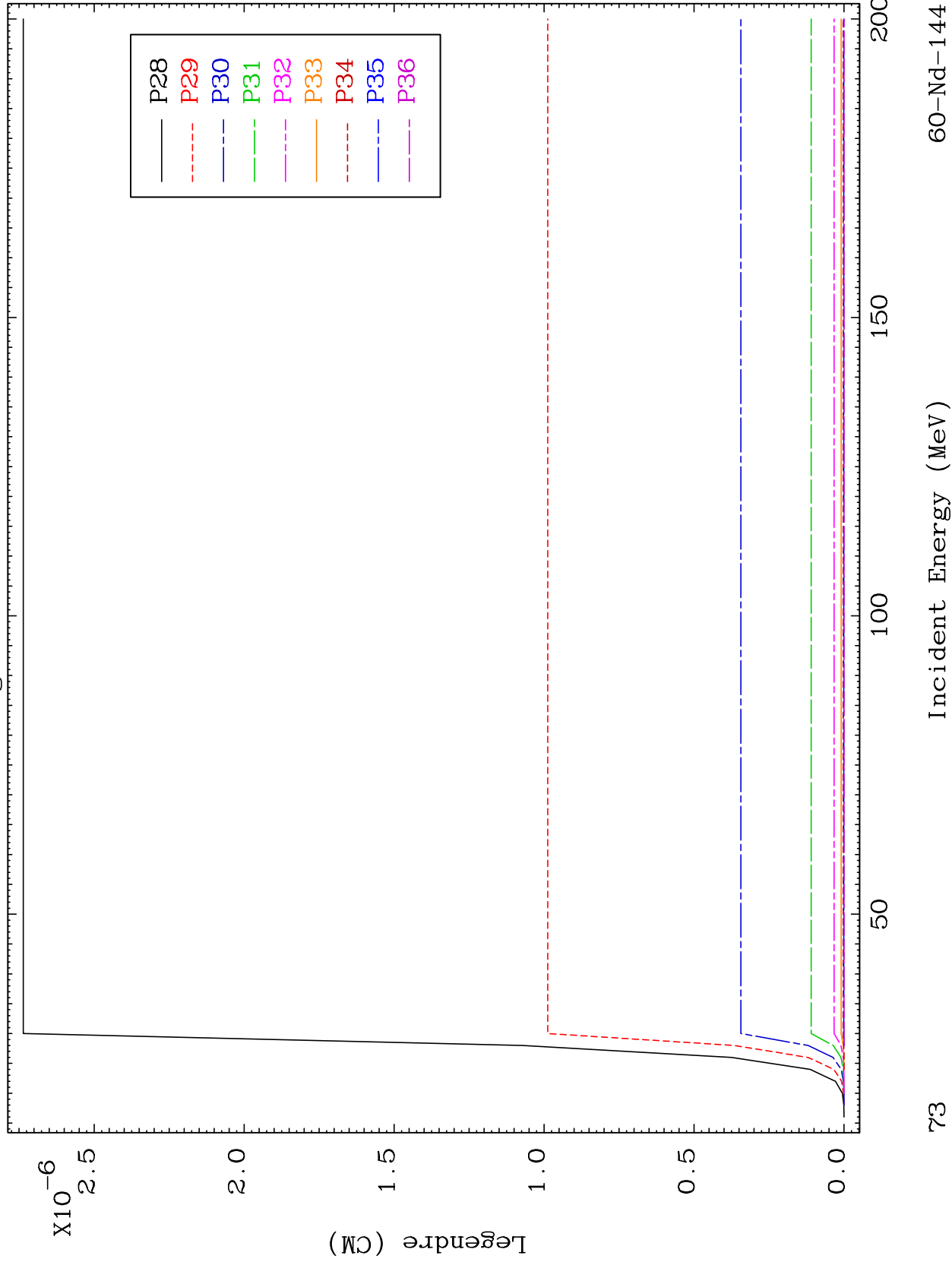
60-Nd-144



MAT 6031

MT= 64 (n,n') Level
Legendre Coefficients

60-Nd-144



73

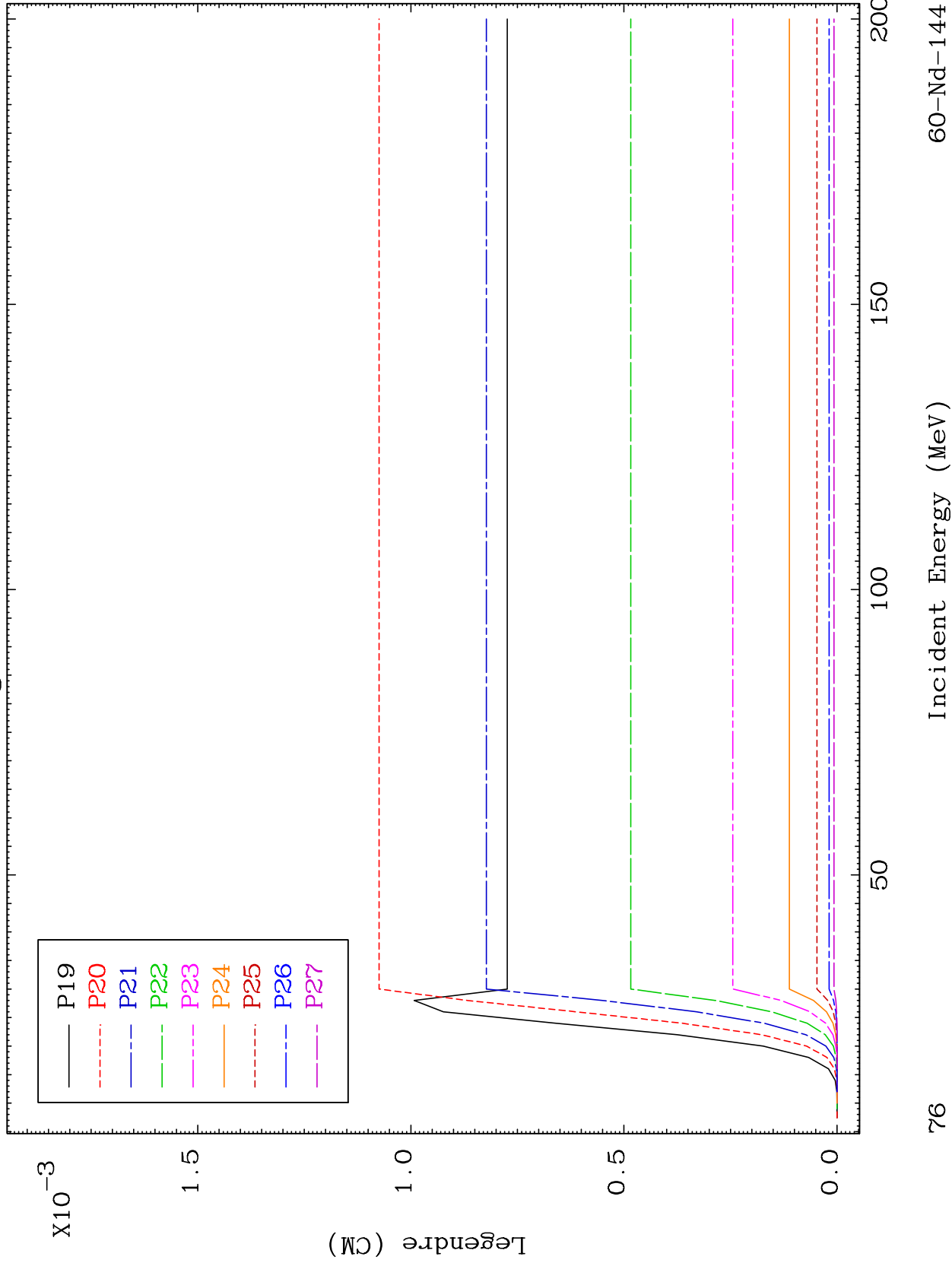
Incident Energy (MeV)

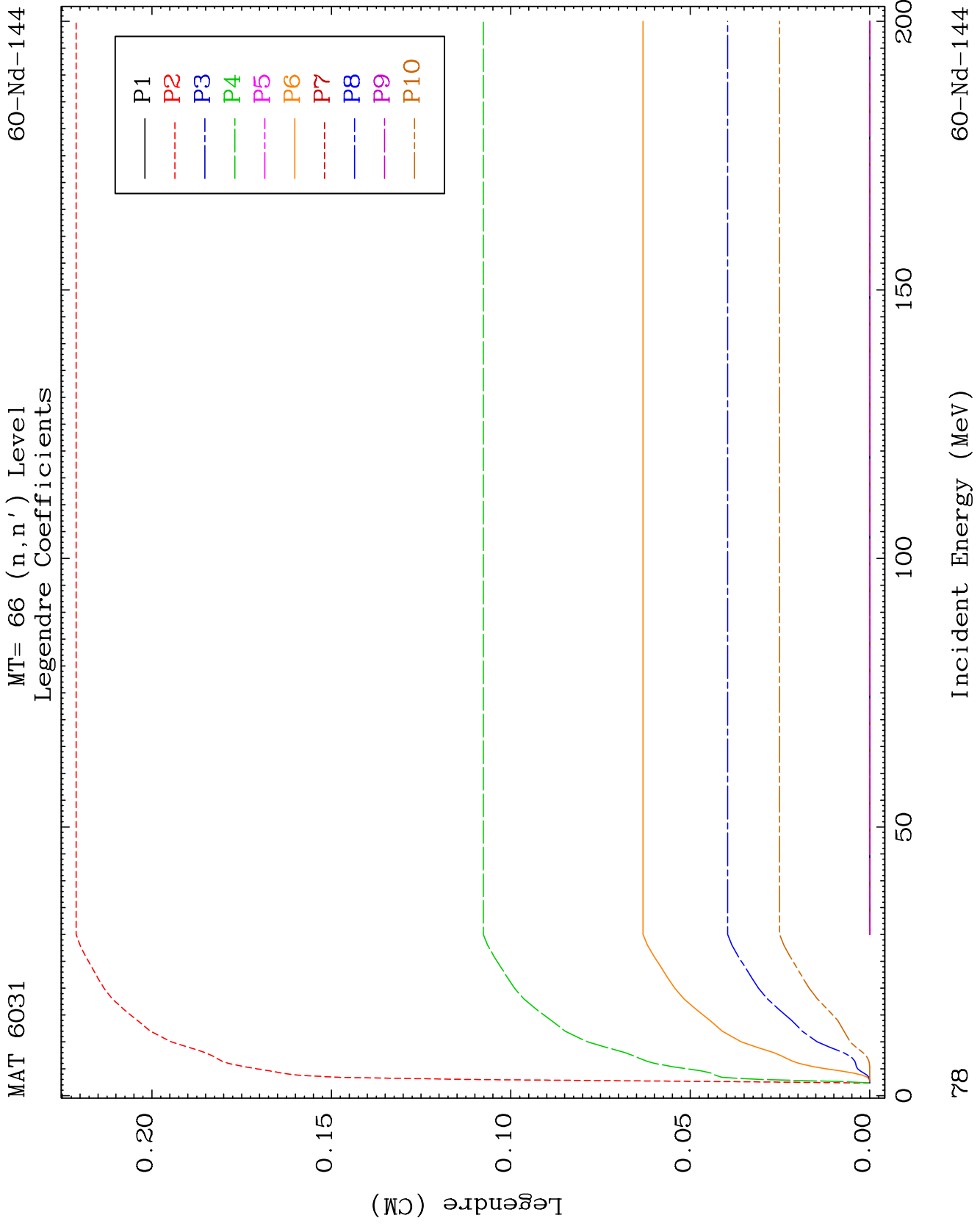
60-Nd-144

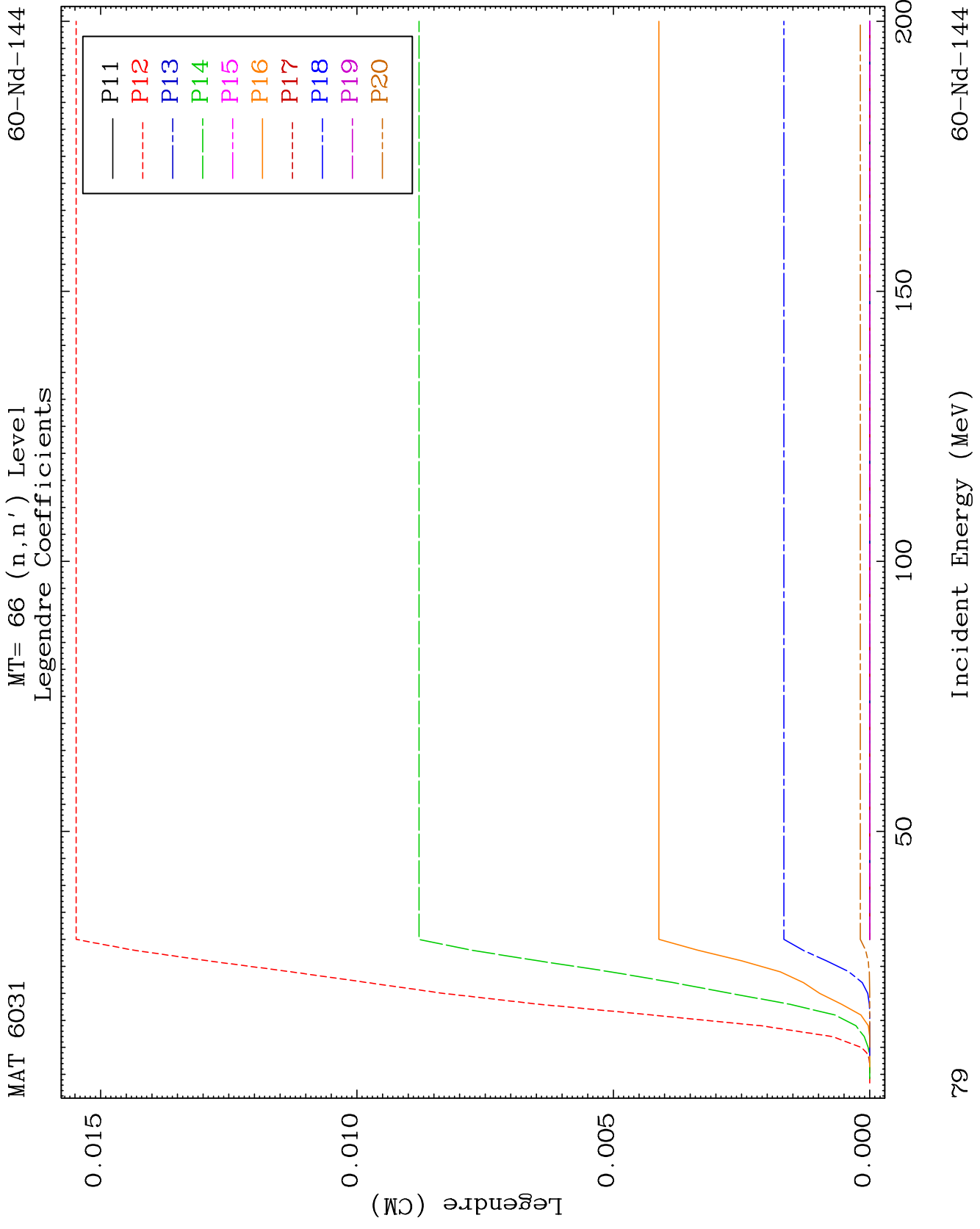
MAT 6031

MT= 65 (n,n') Level
Legendre Coefficients

60-Nd-144



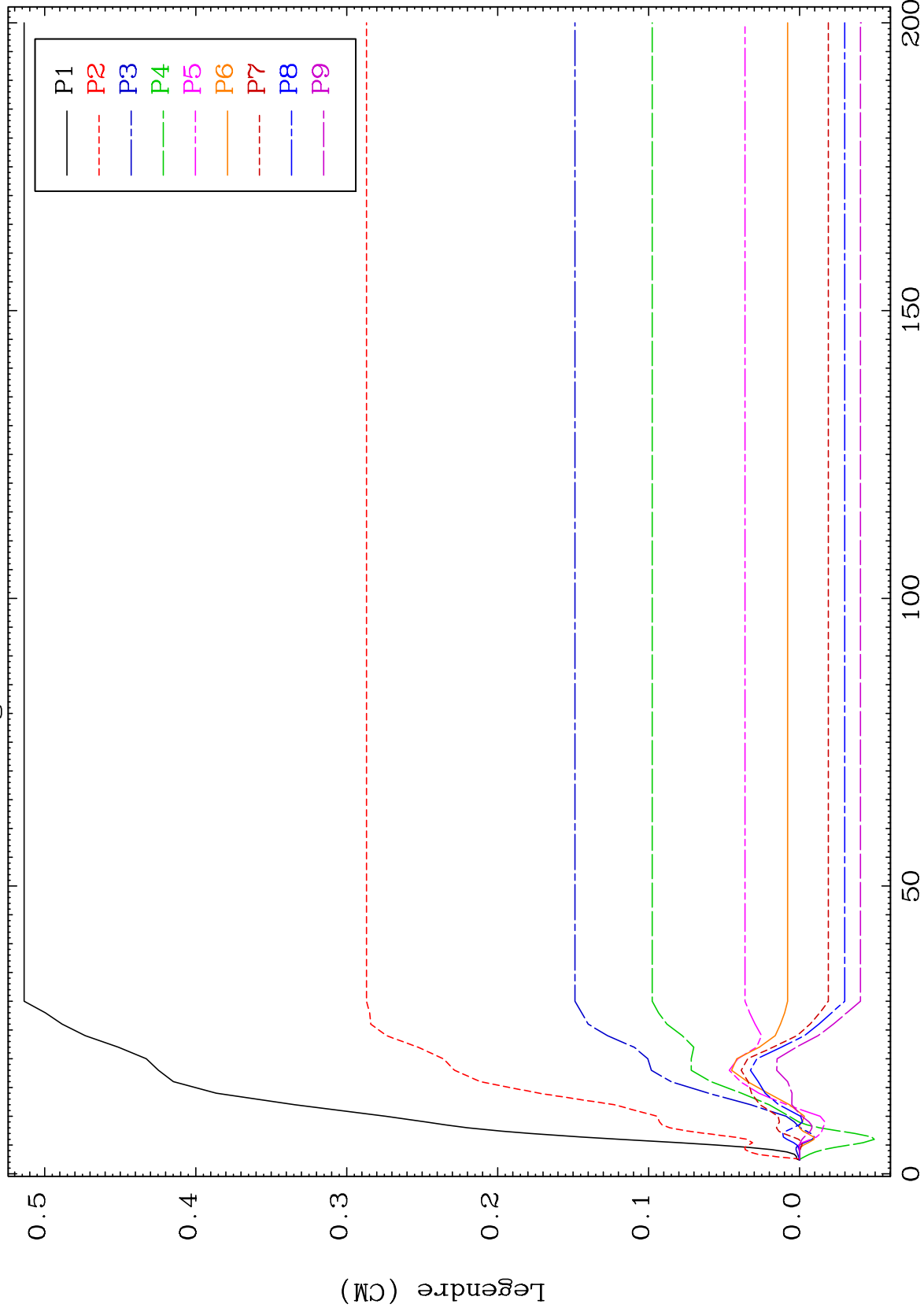




MAT 6031

MT= 67 (n,n') Level
Legendre Coefficients

60-Nd-144



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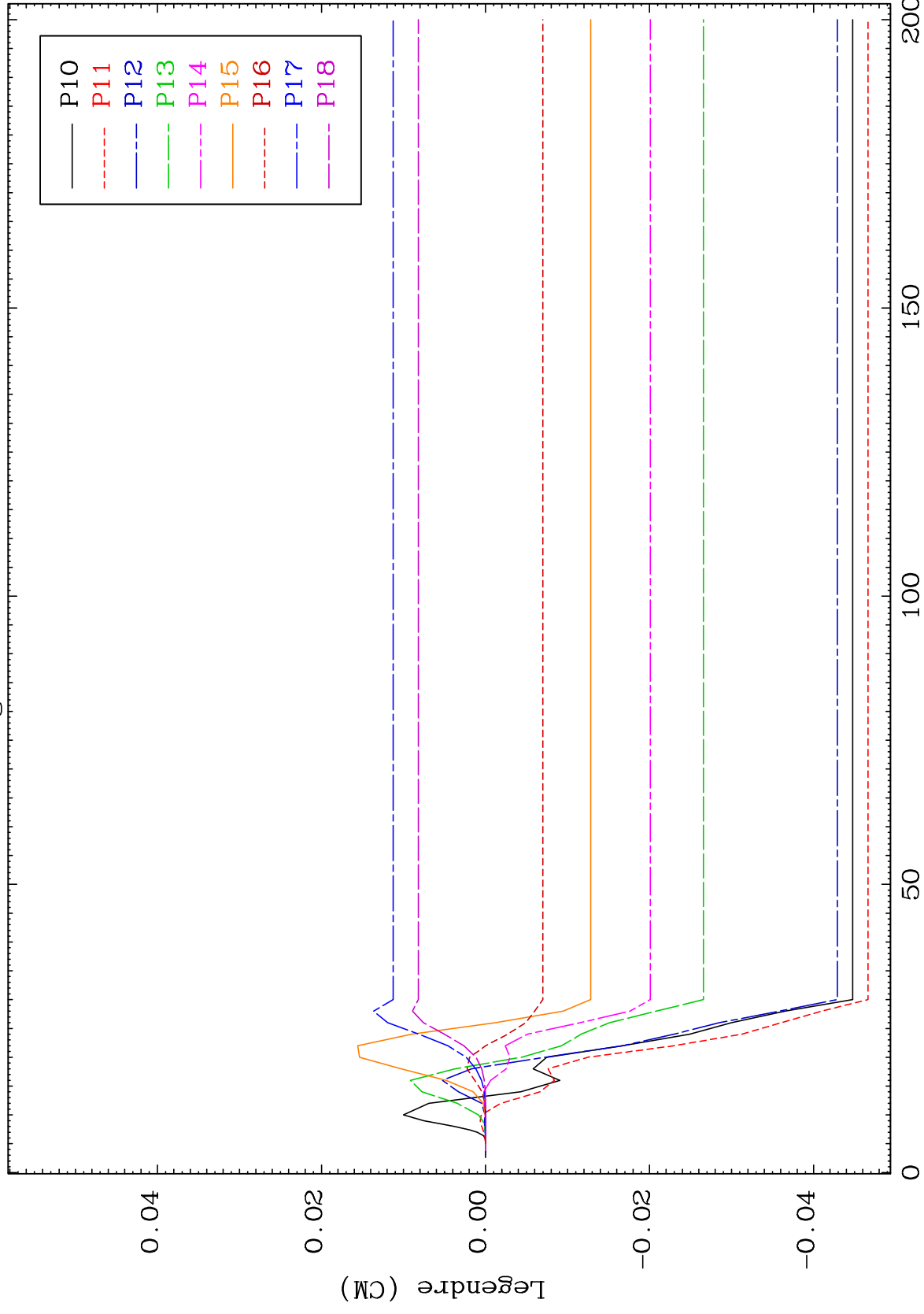
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 67 (n,n') Level
Legendre Coefficients

60-Nd-144



82

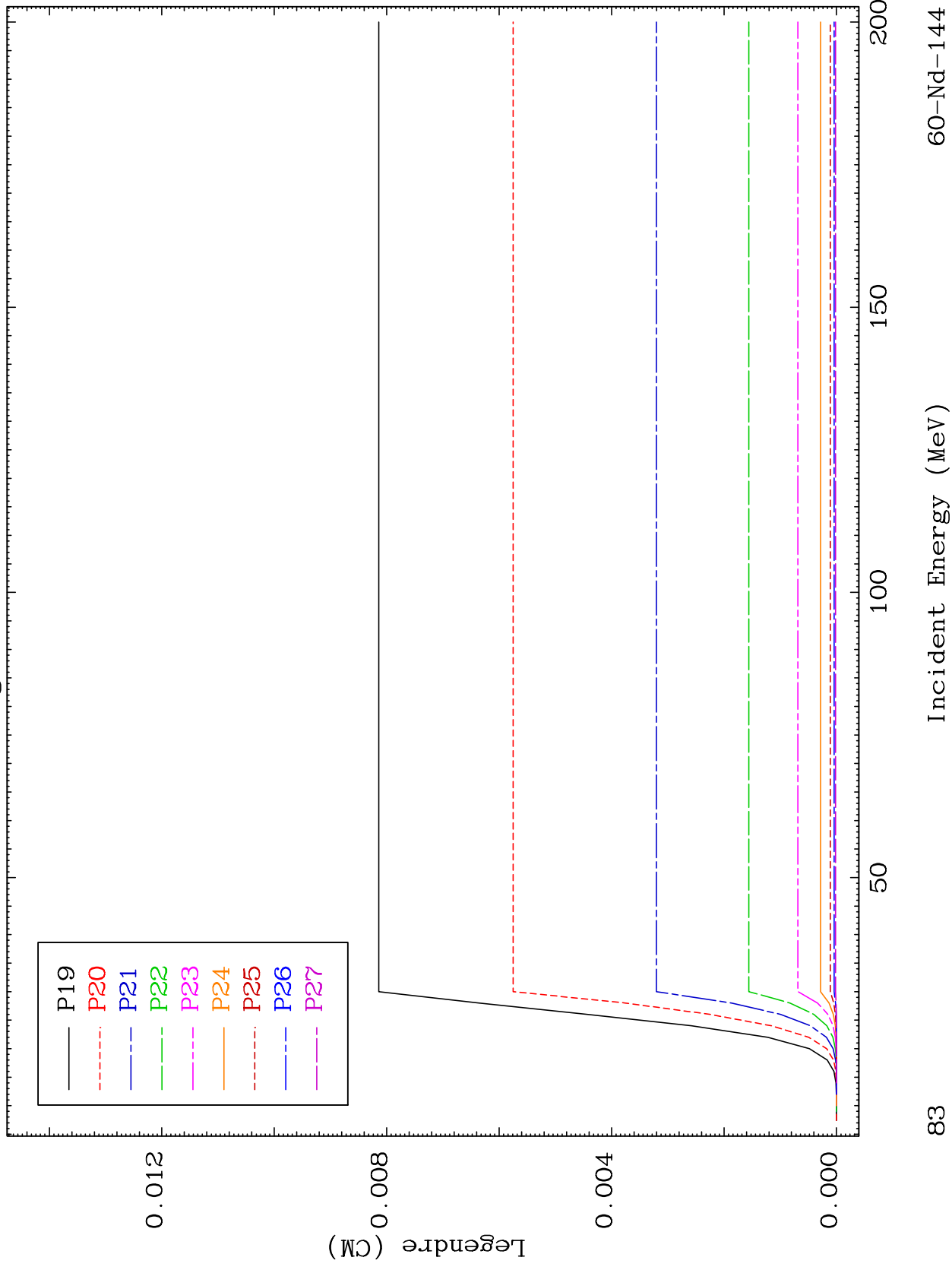
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 67 (n,n') Level
Legendre Coefficients

60-Nd-144



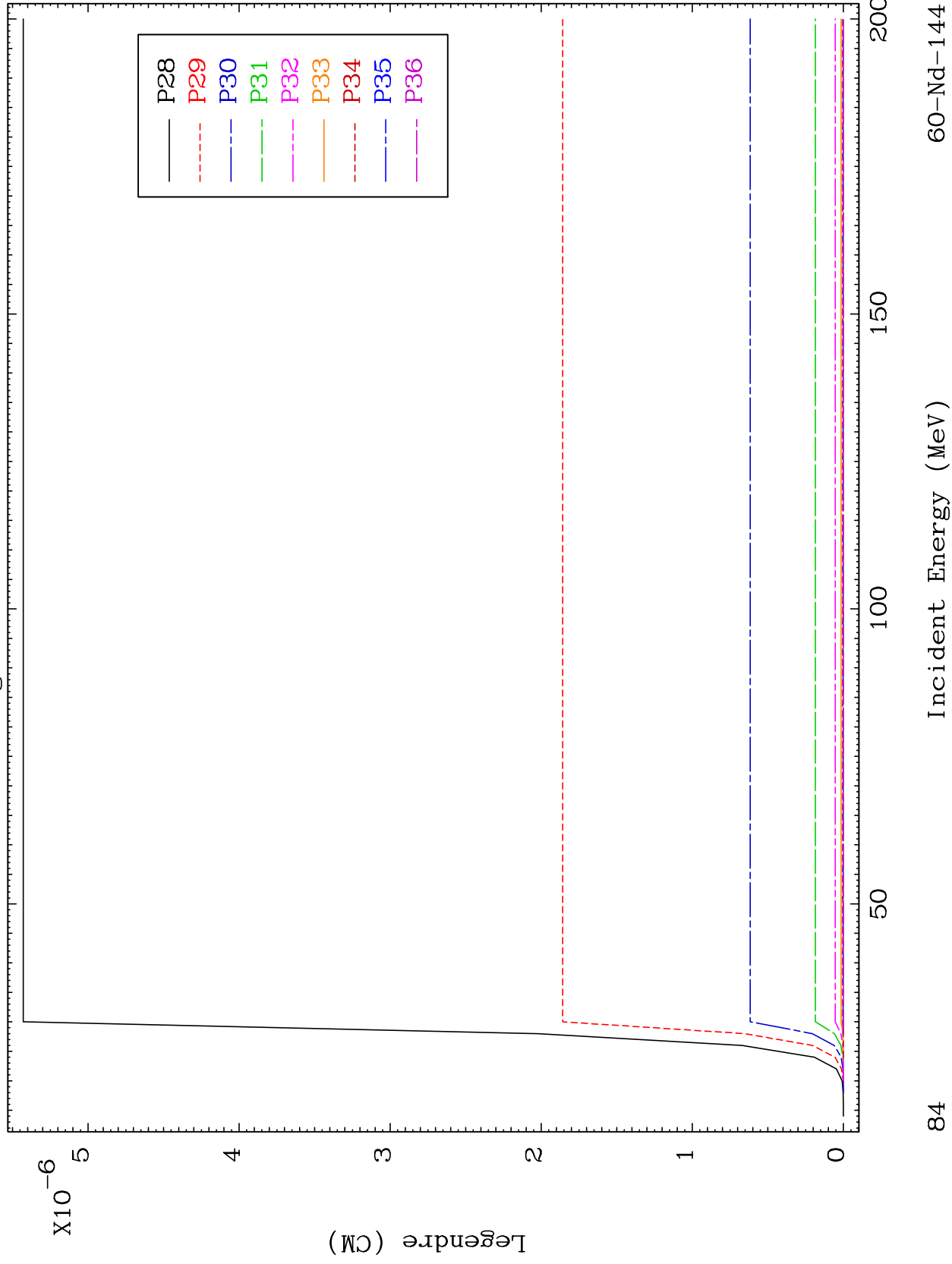
83

60-Nd-144

MAT 6031

MT= 67 (n,n') Level
Legendre Coefficients

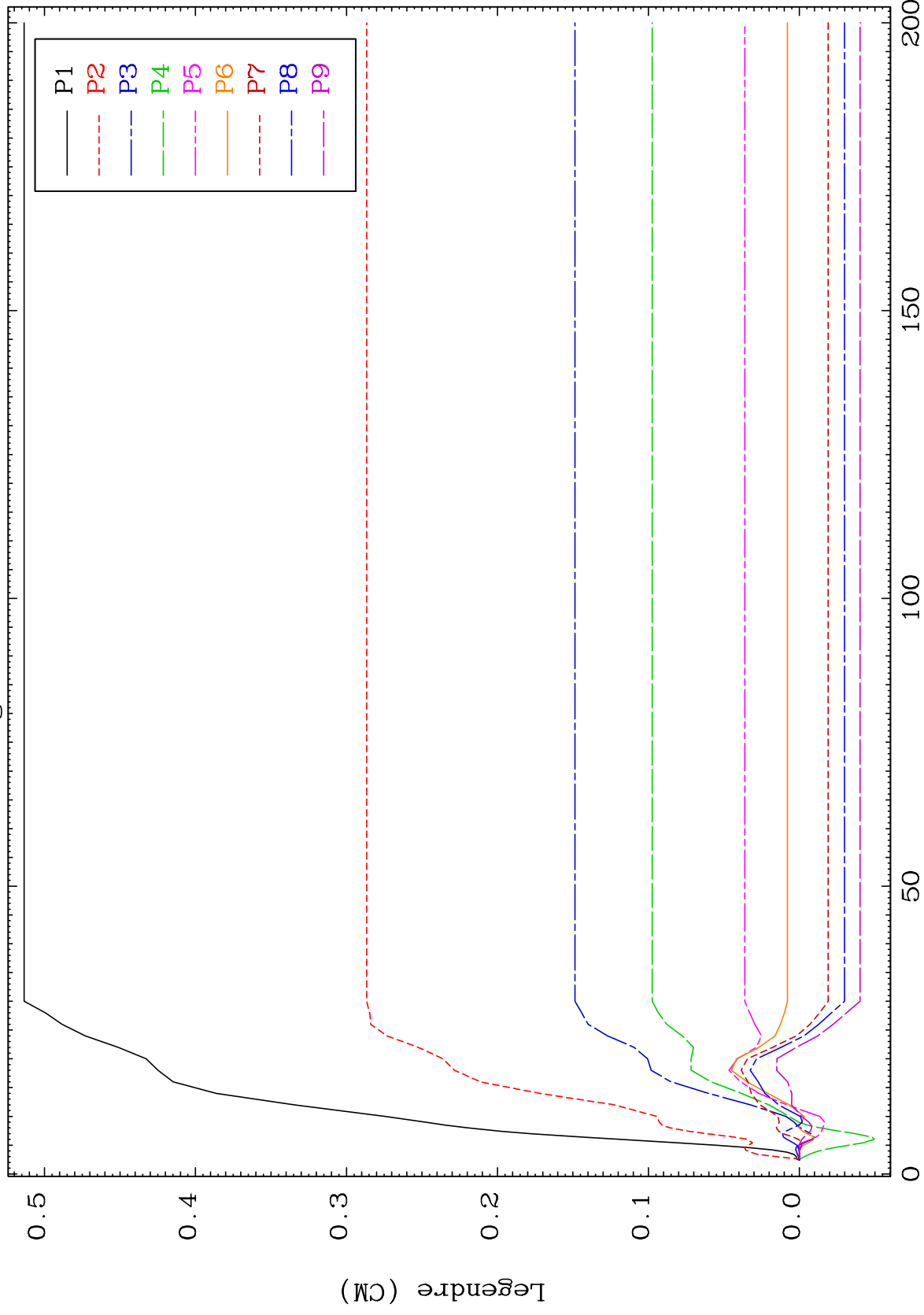
60-Nd-144



MAT 6031

MT= 68 (n,n') Level
Legendre Coefficients

60-Nd-144



85

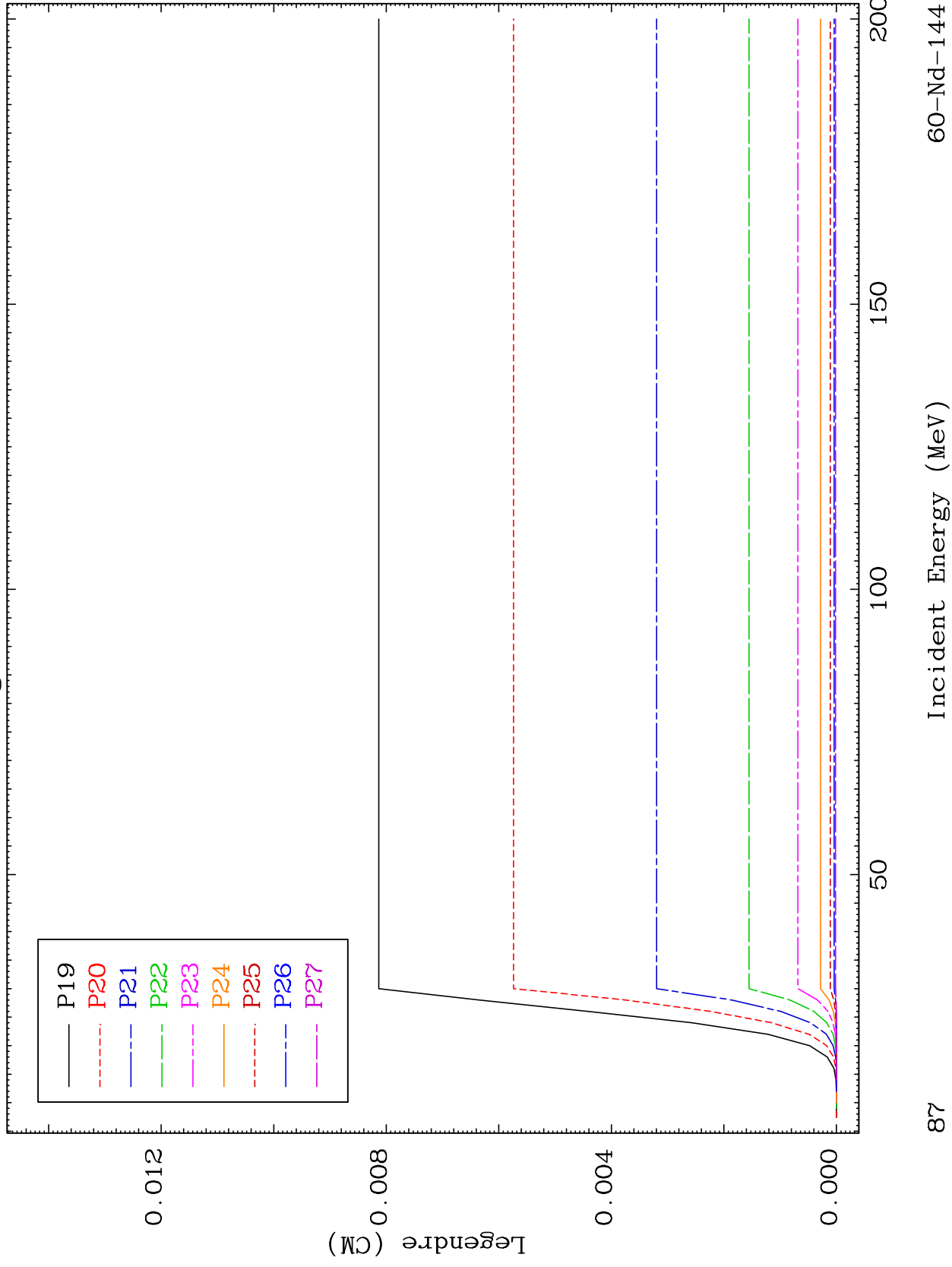
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 68 (n,n') Level
Legendre Coefficients

60-Nd-144



87

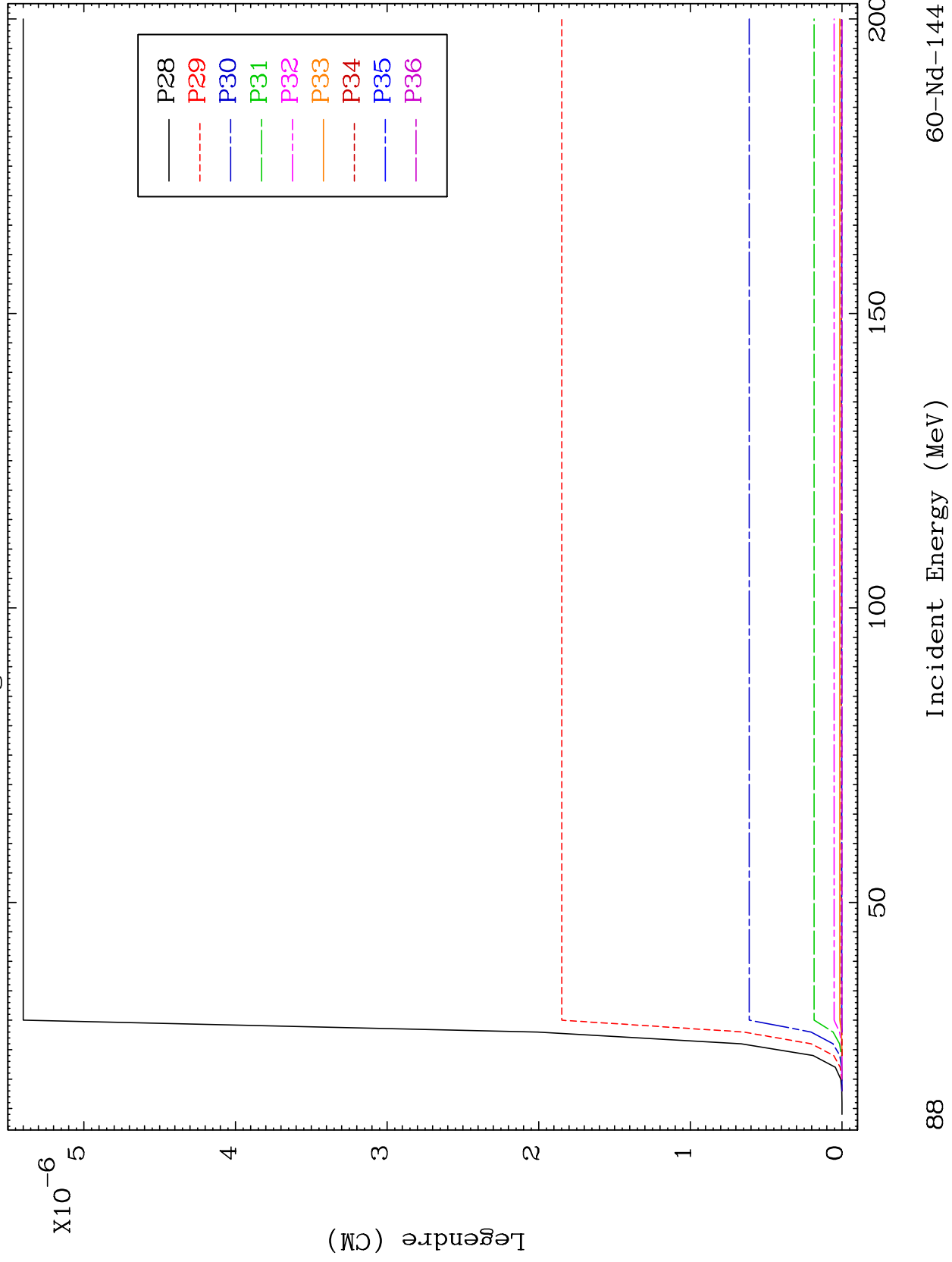
Incident Energy (MeV)

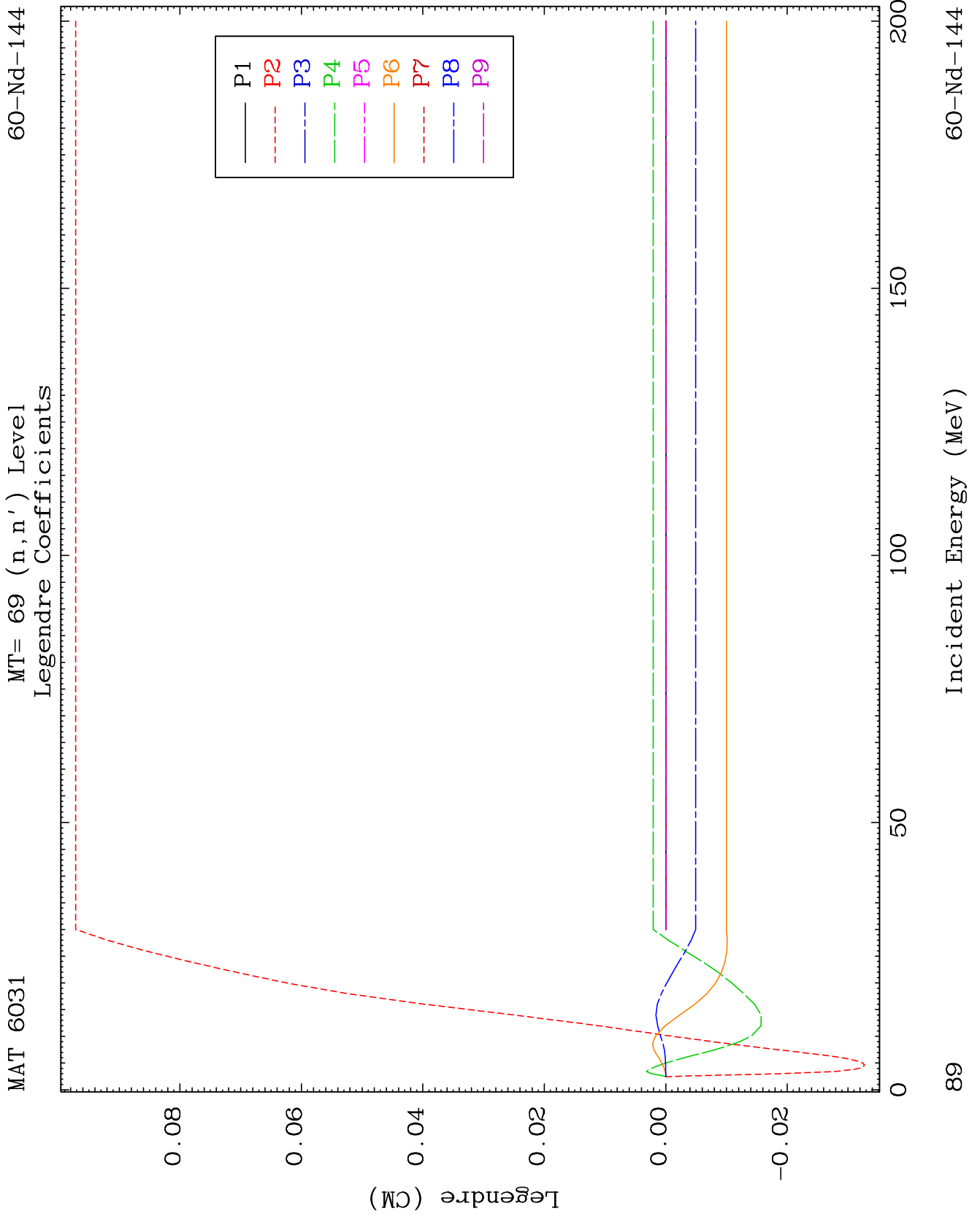
60-Nd-144

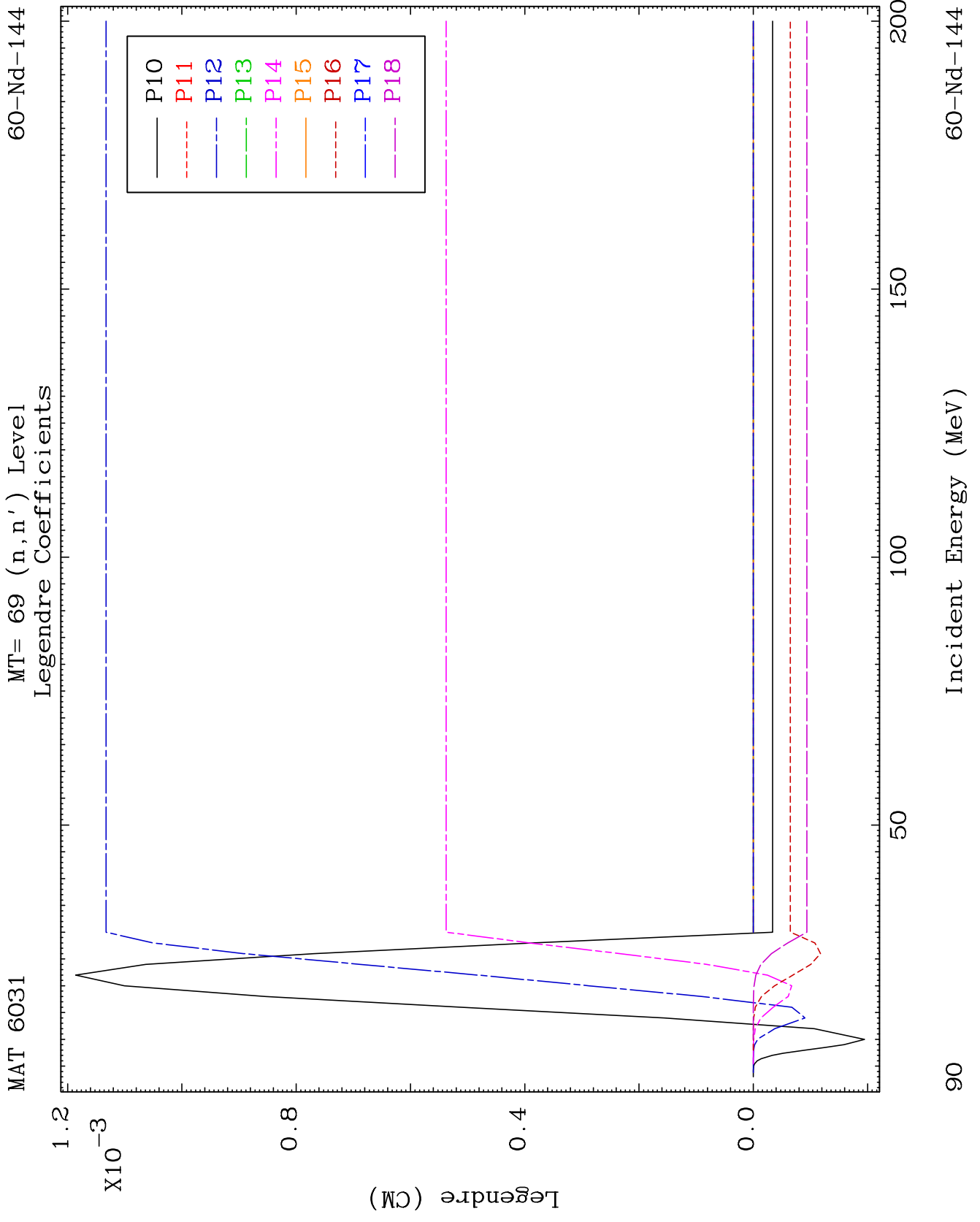
MAT 6031

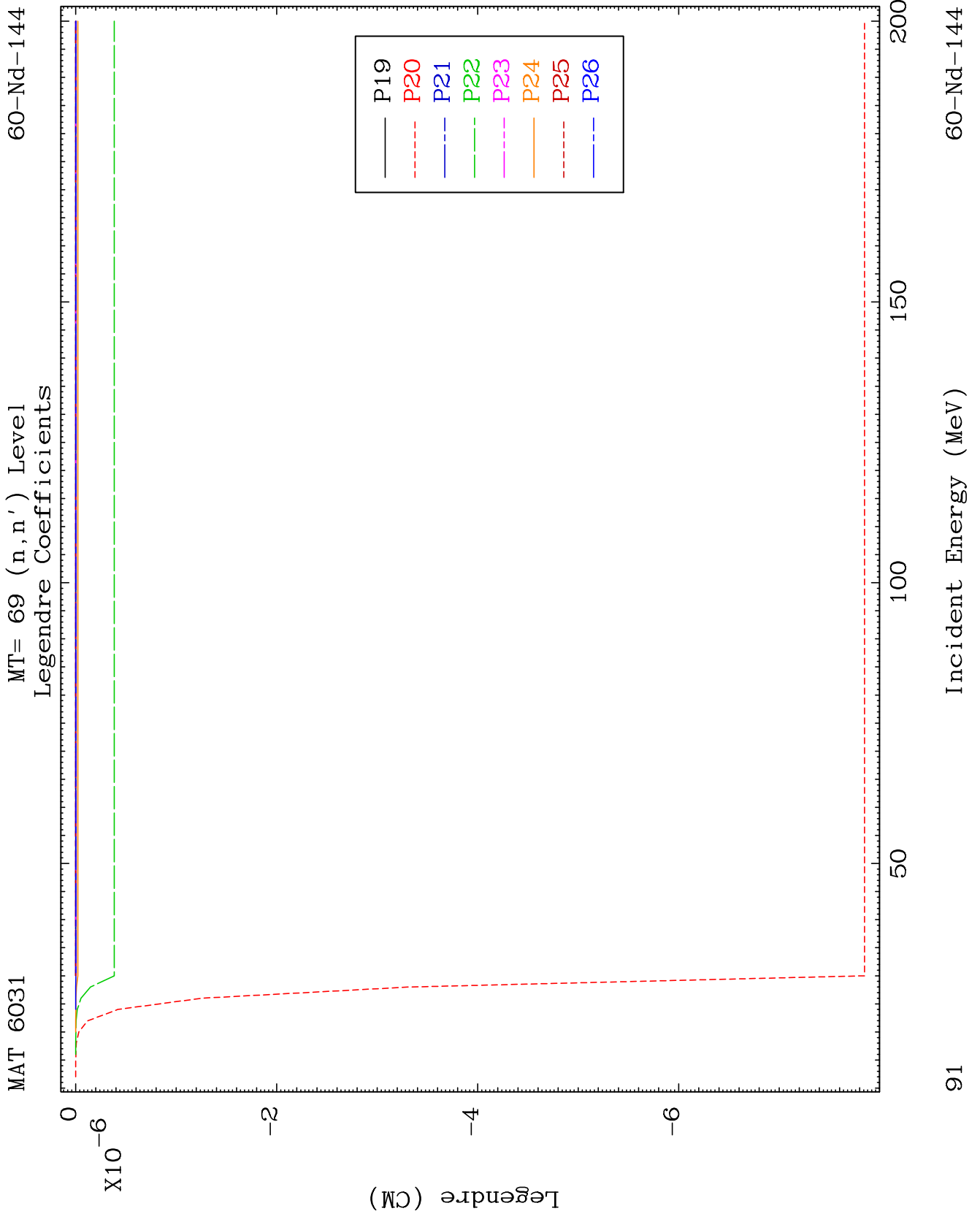
MT= 68 (n,n') Level
Legendre Coefficients

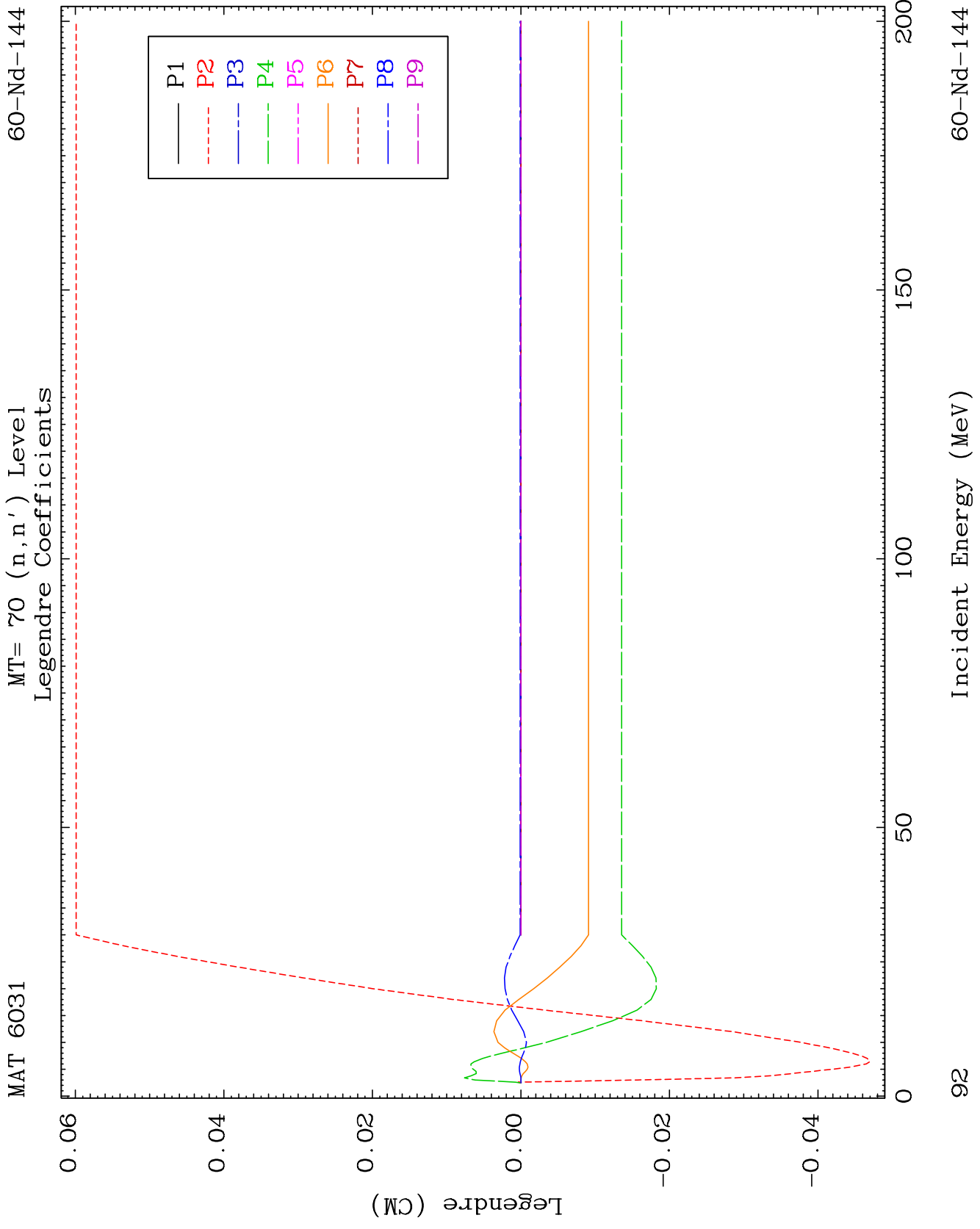
60-Nd-144







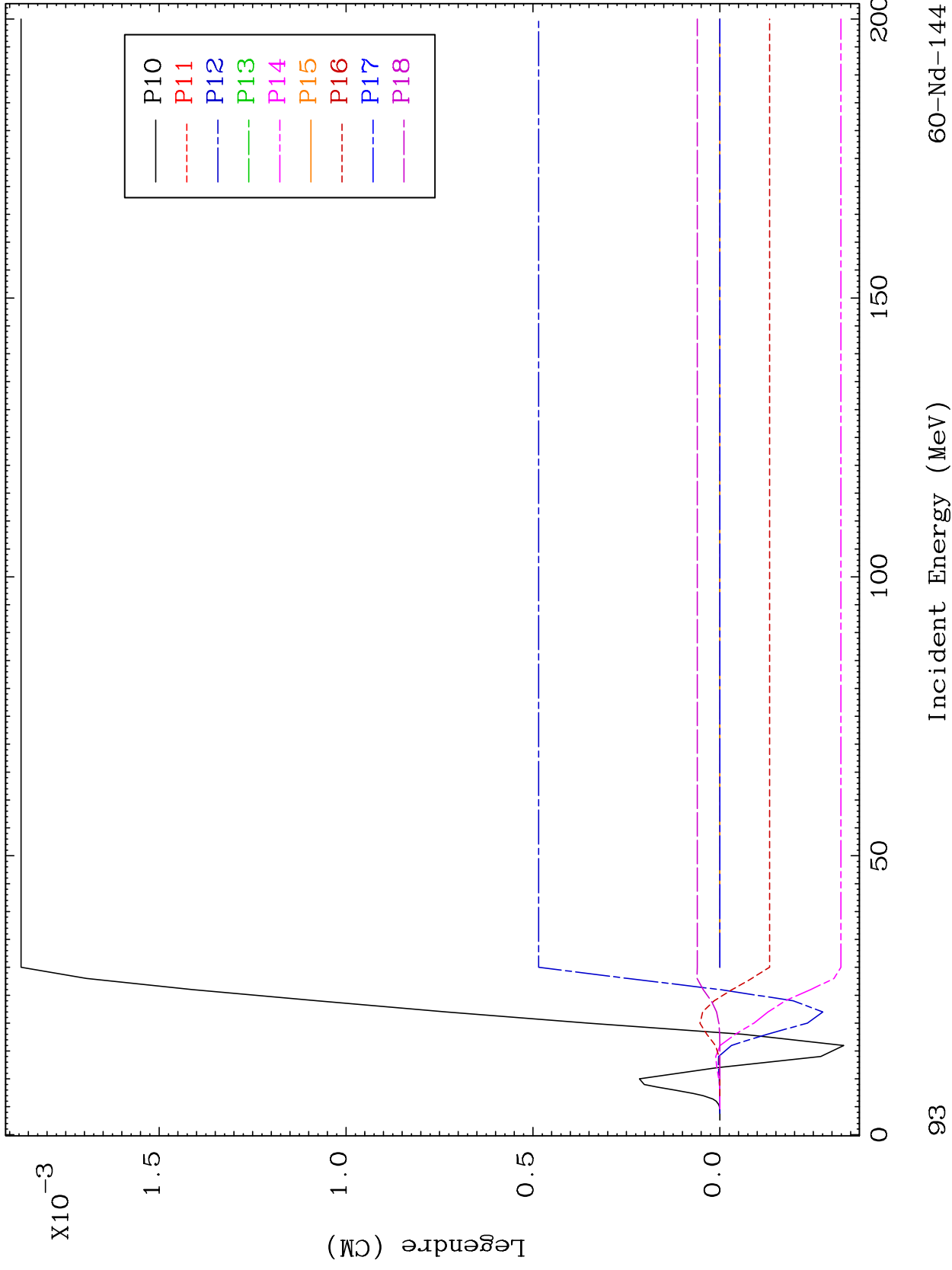




MAT 6031

MT= 70 (n,n') Level
Legendre Coefficients

60-Nd-144



93

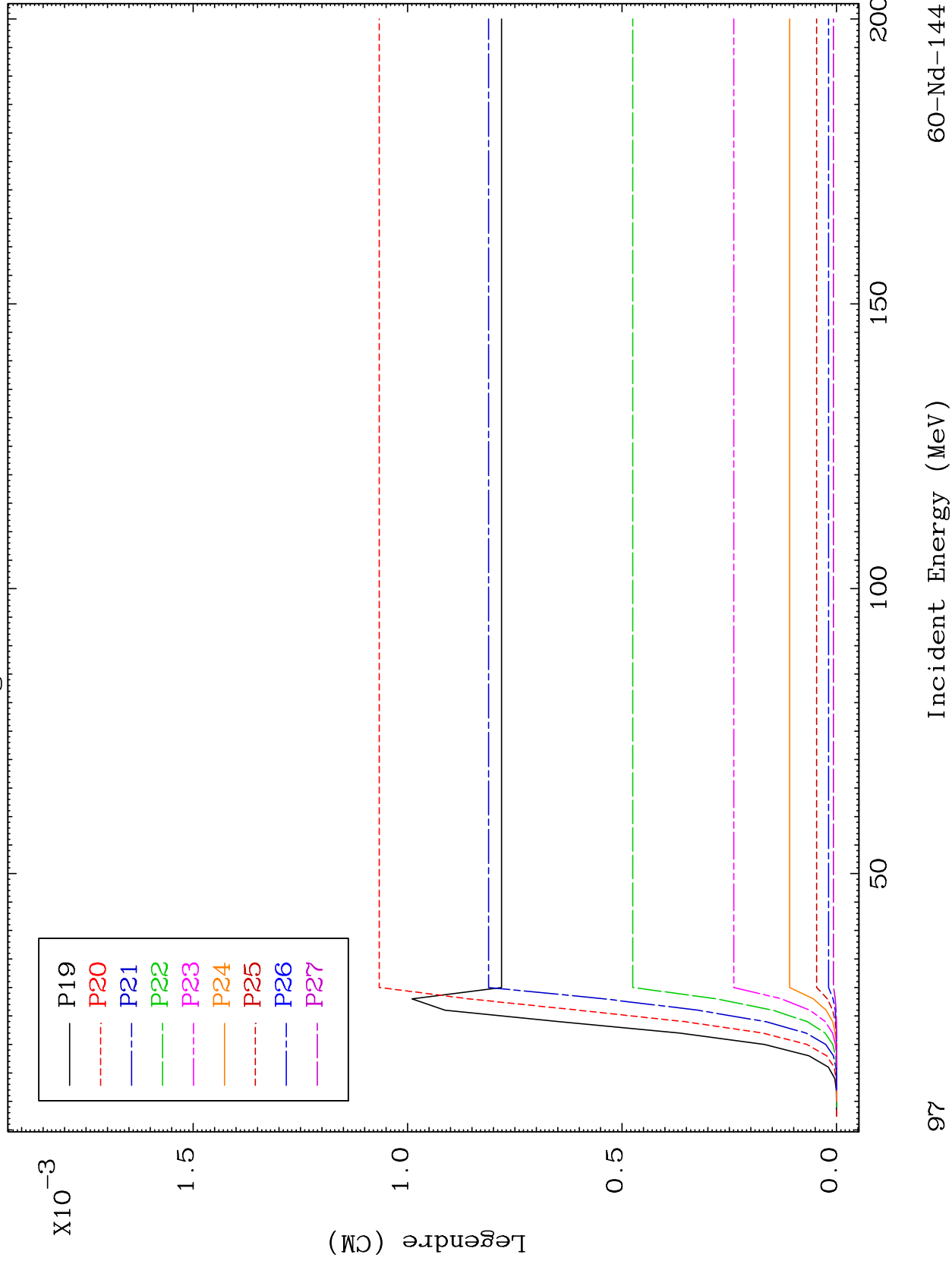
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 71 (n,n') Level
Legendre Coefficients

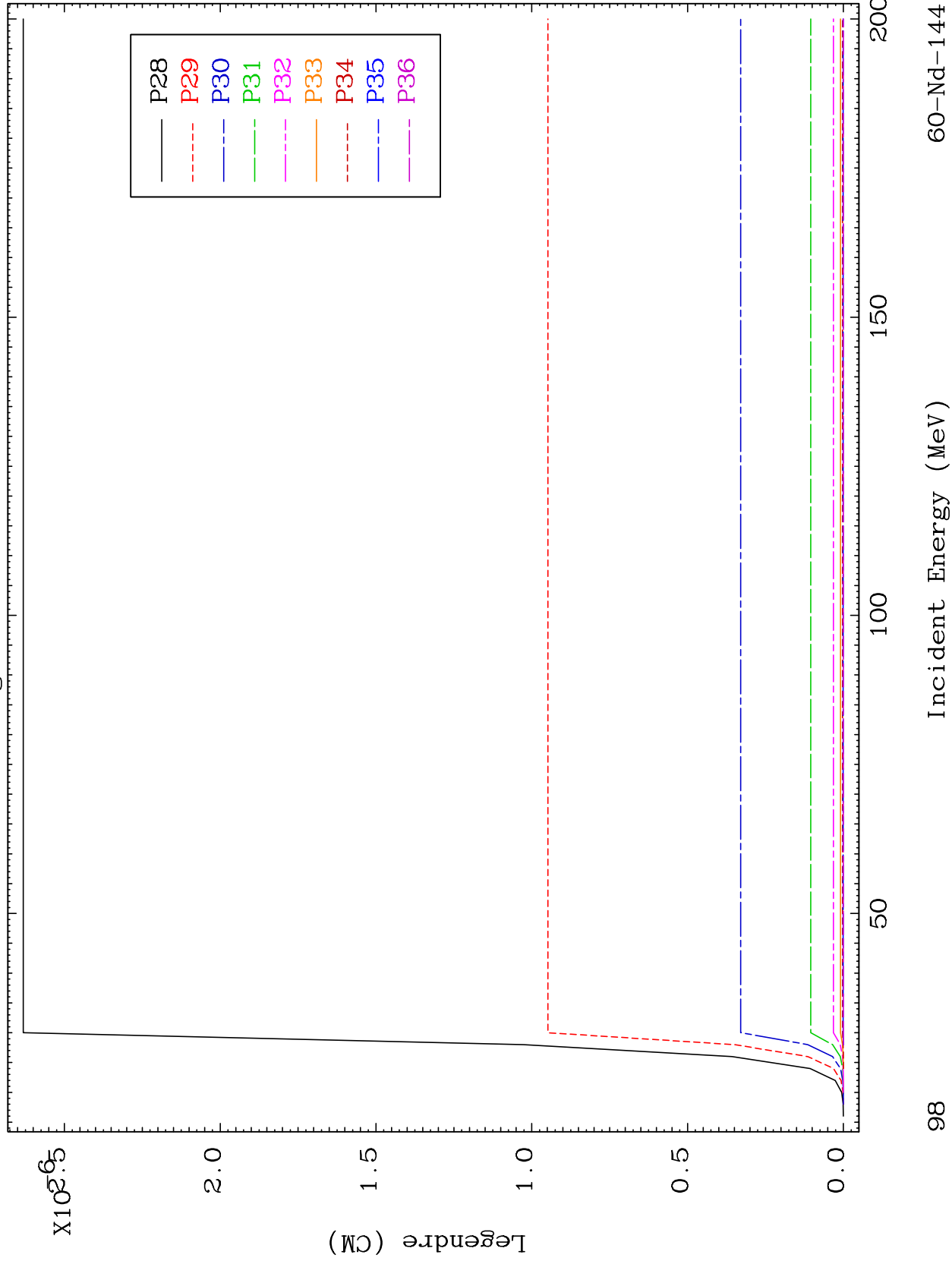
60-Nd-144

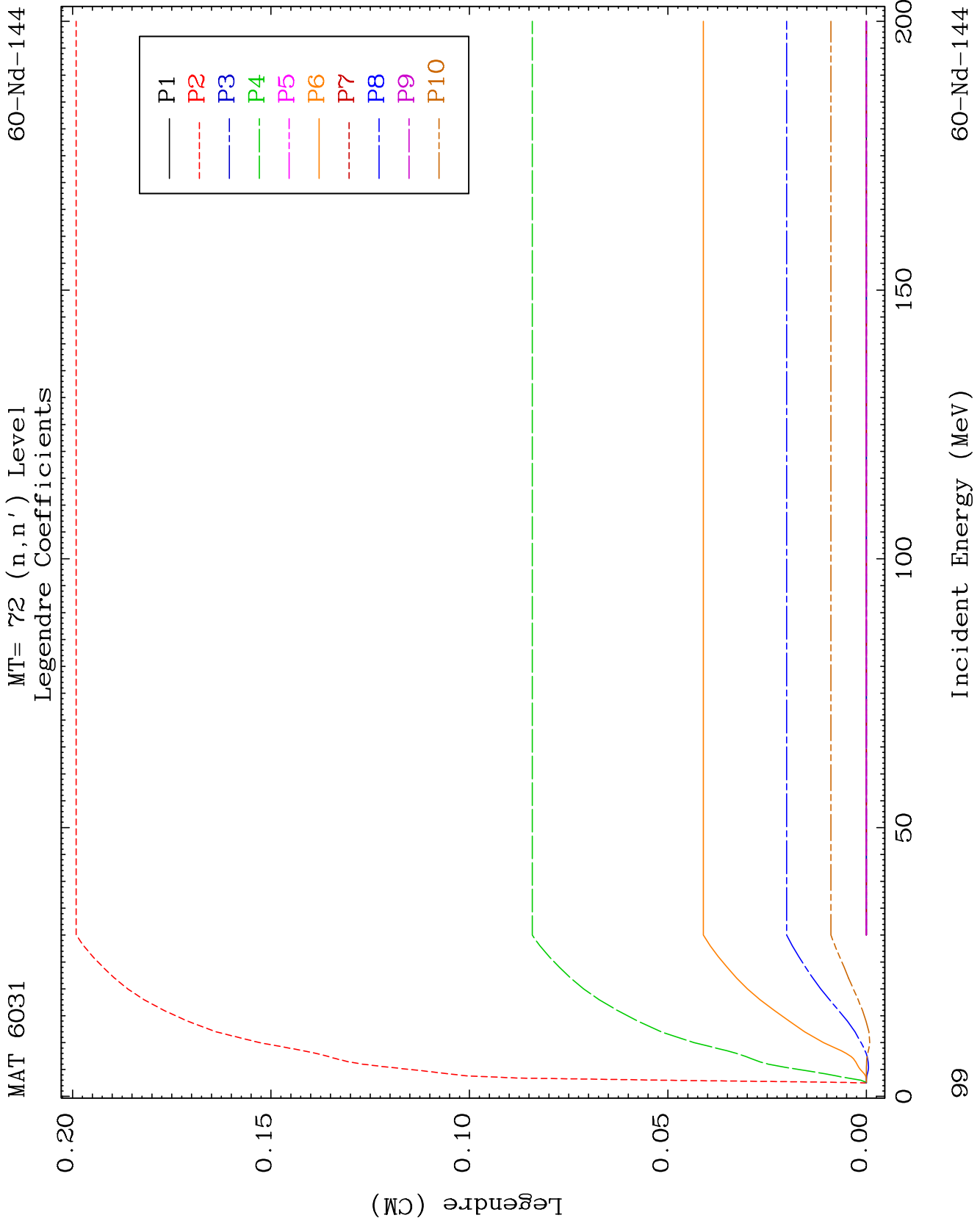


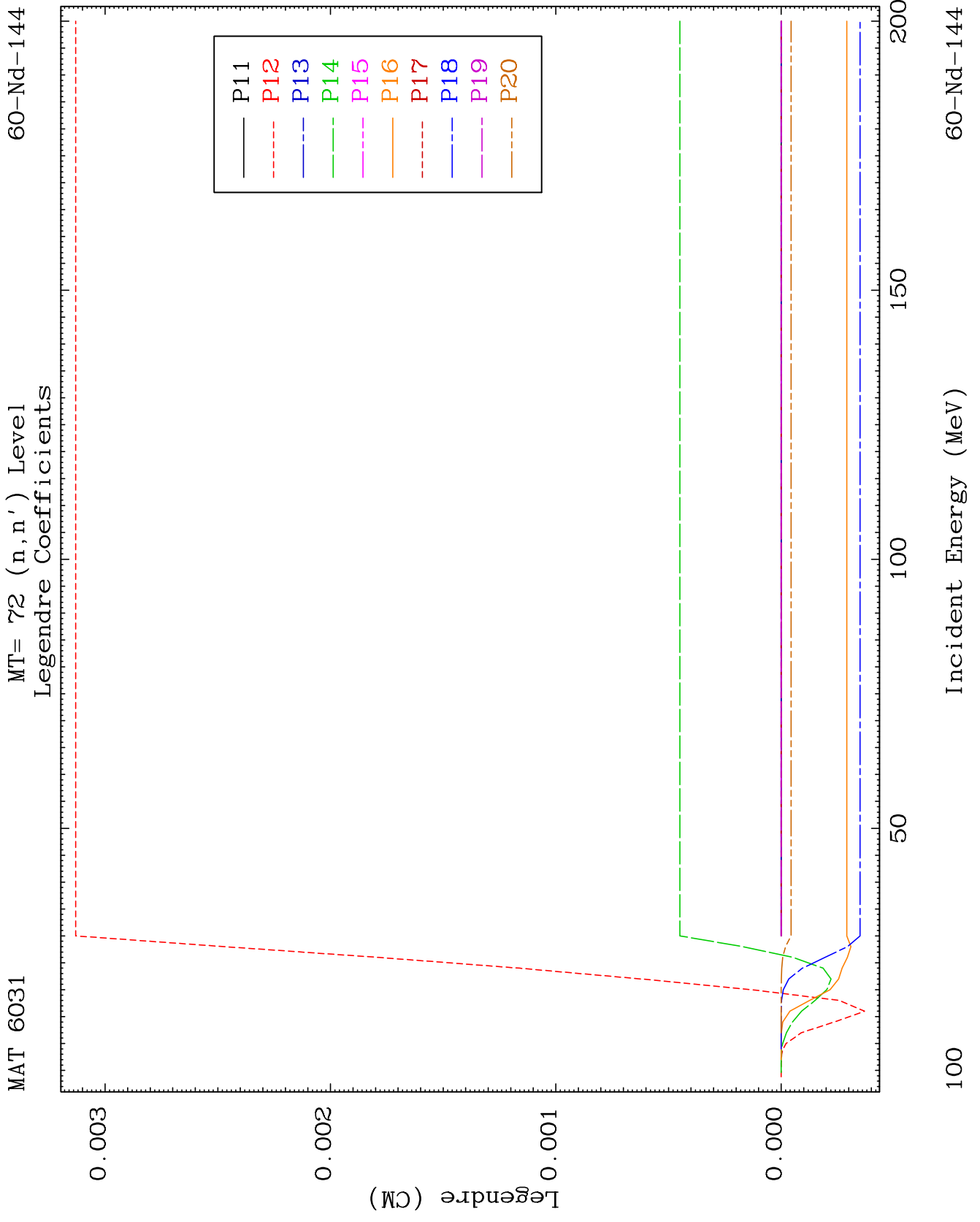
MAT 6031

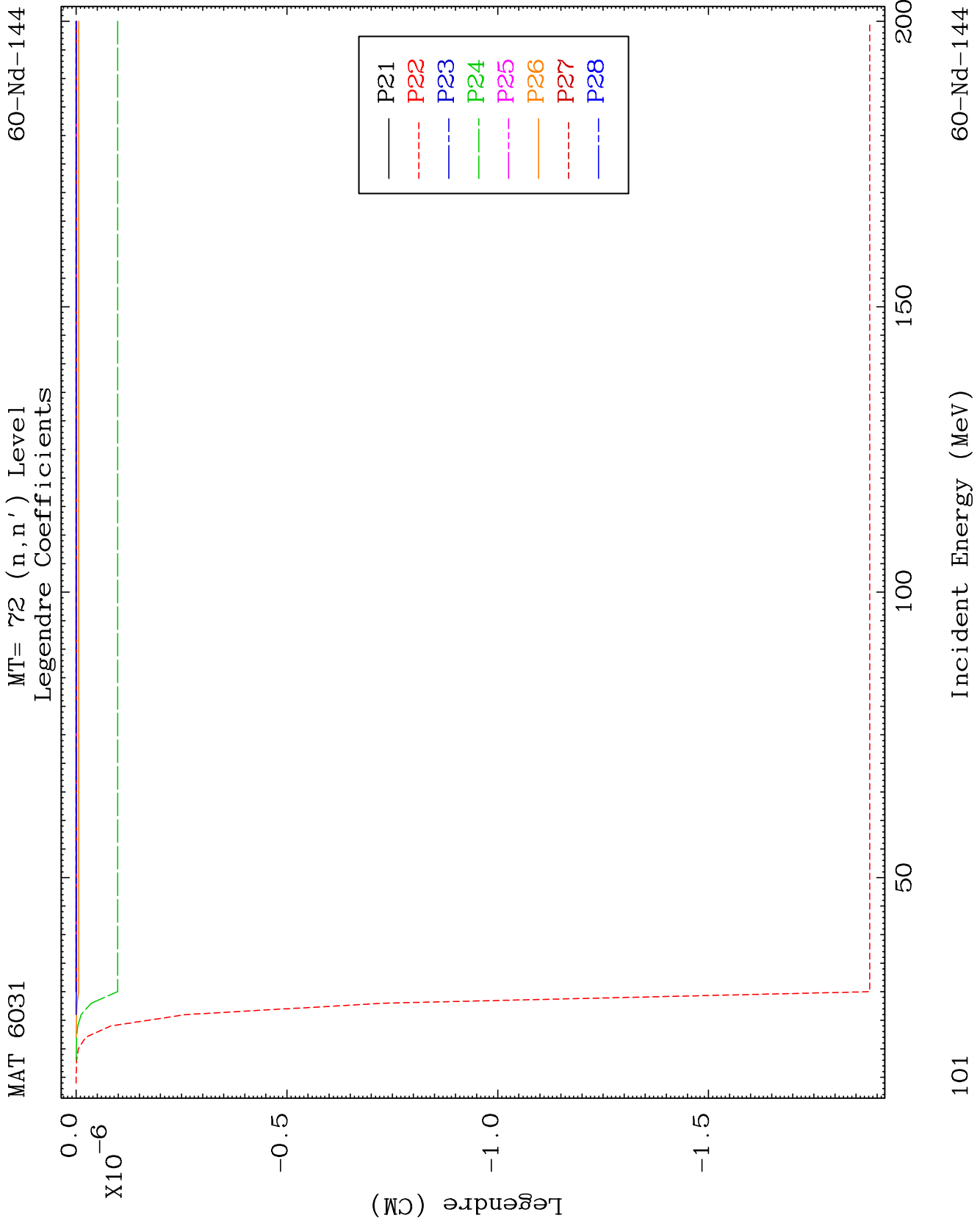
MT= 71 (n,n') Level
Legendre Coefficients

60-Nd-144





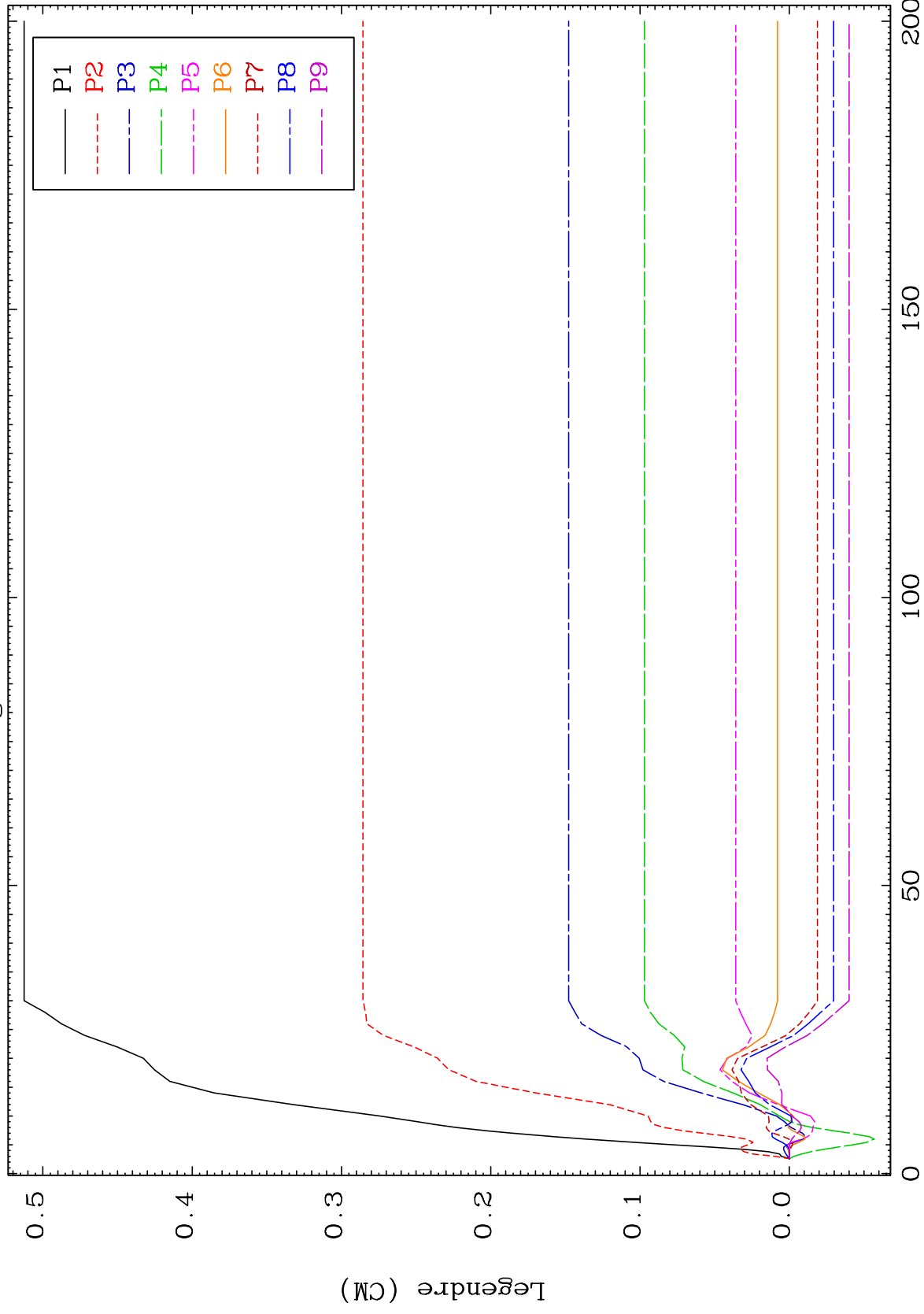




MAT 6031

MT= 73 (n,n') Level
Legendre Coefficients

60-Nd-144



102

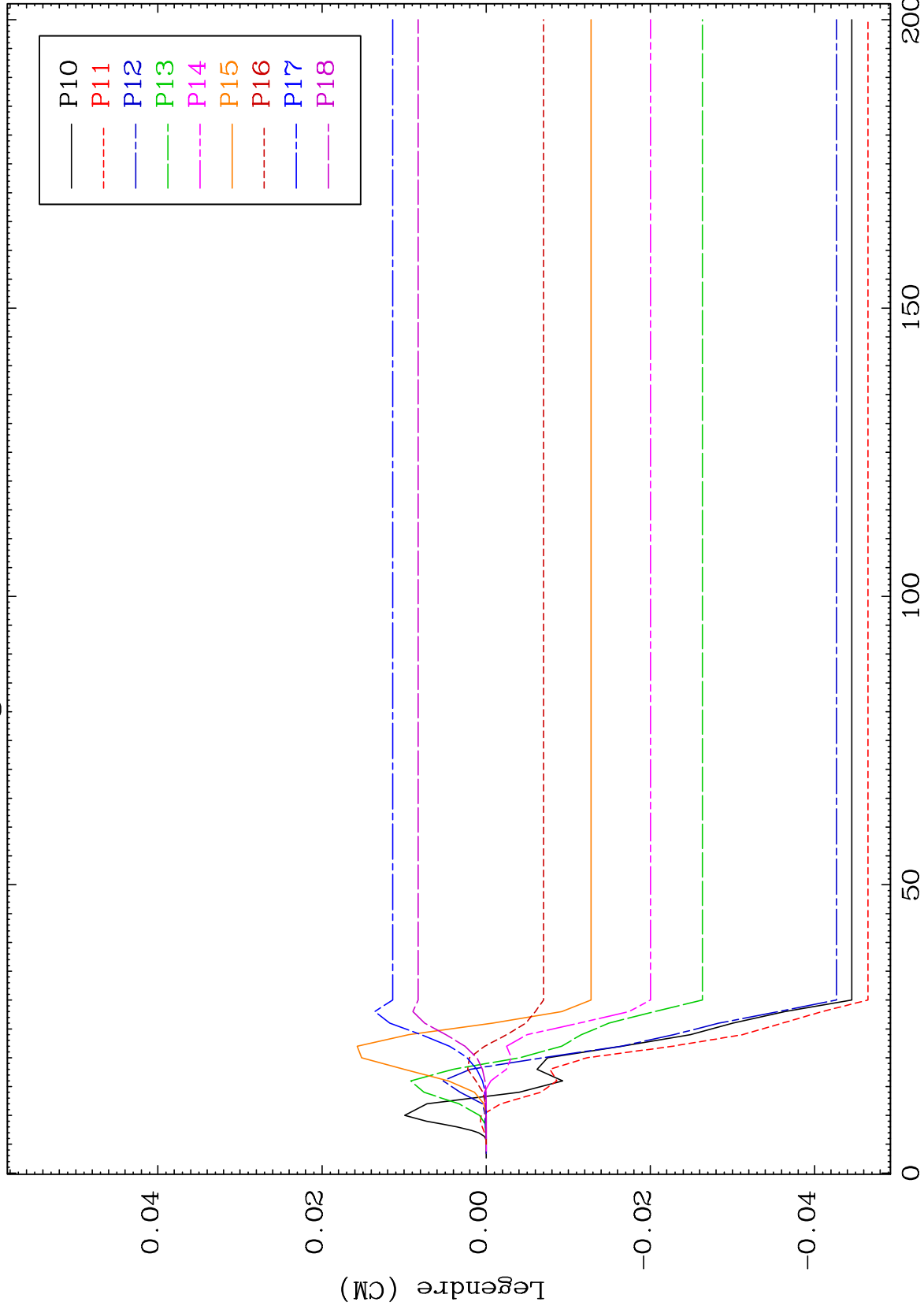
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 73 (n,n') Level
Legendre Coefficients

60-Nd-144



103

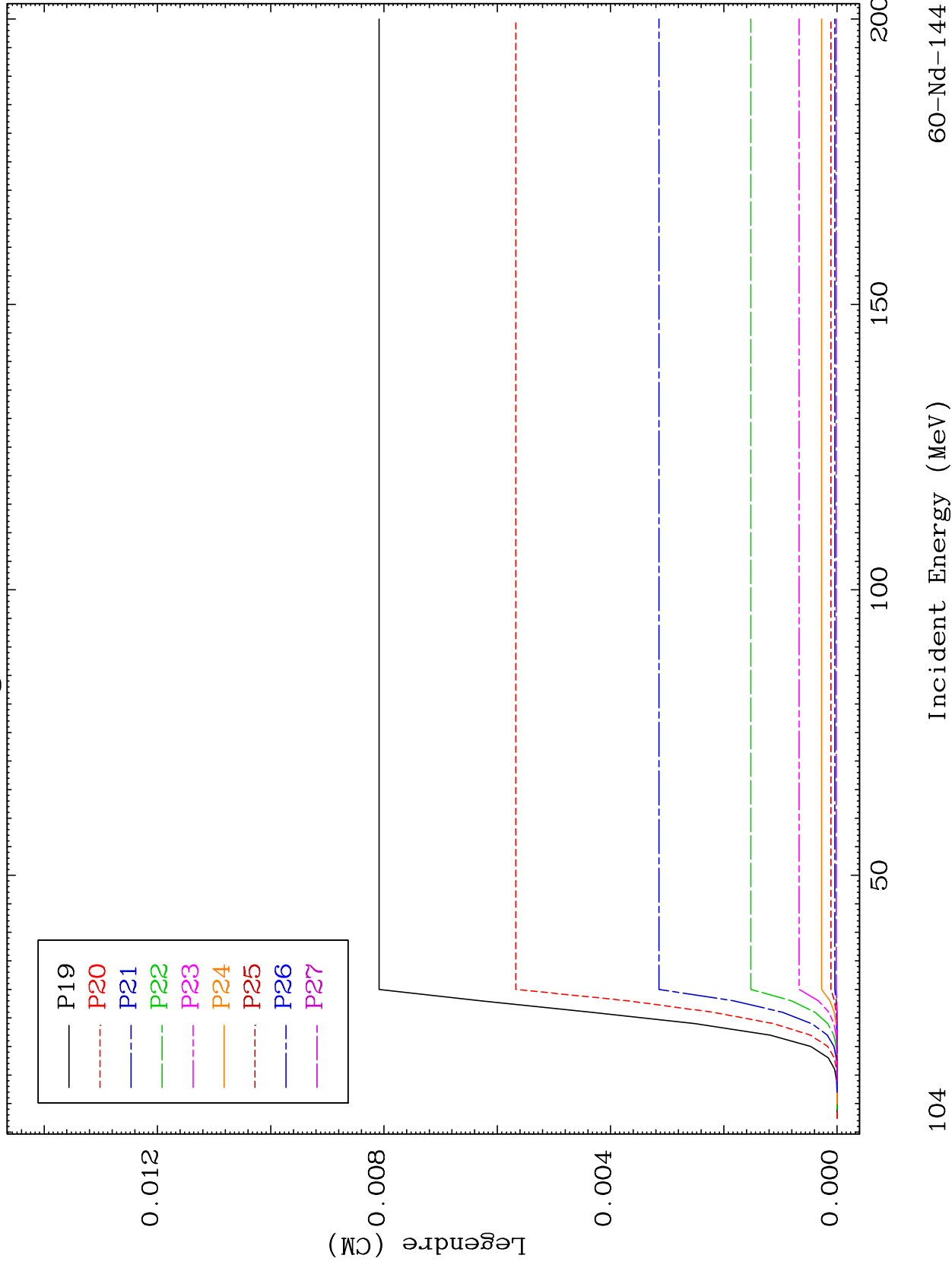
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 73 (n,n') Level
Legendre Coefficients

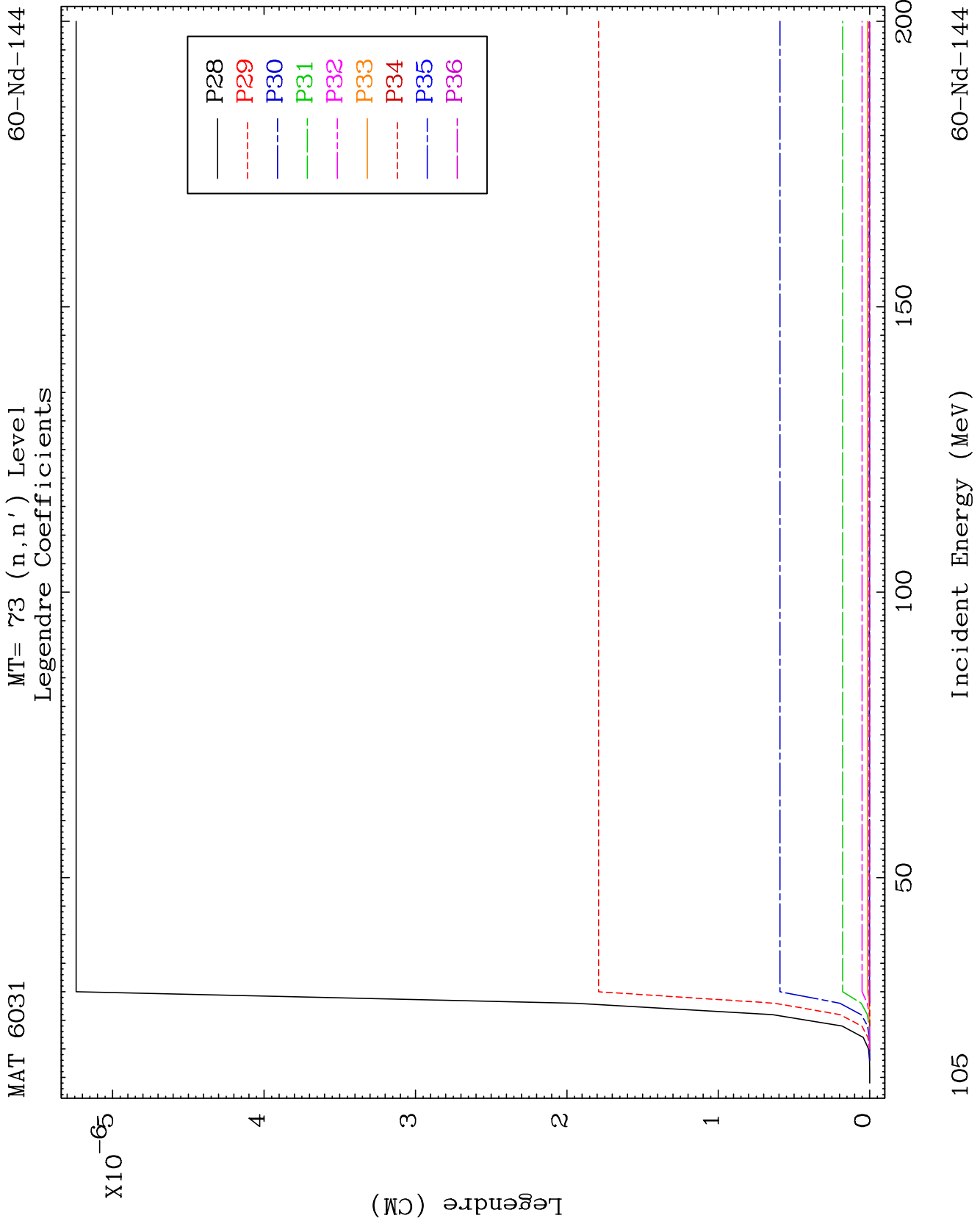
60-Nd-144



104

Incident Energy (MeV)

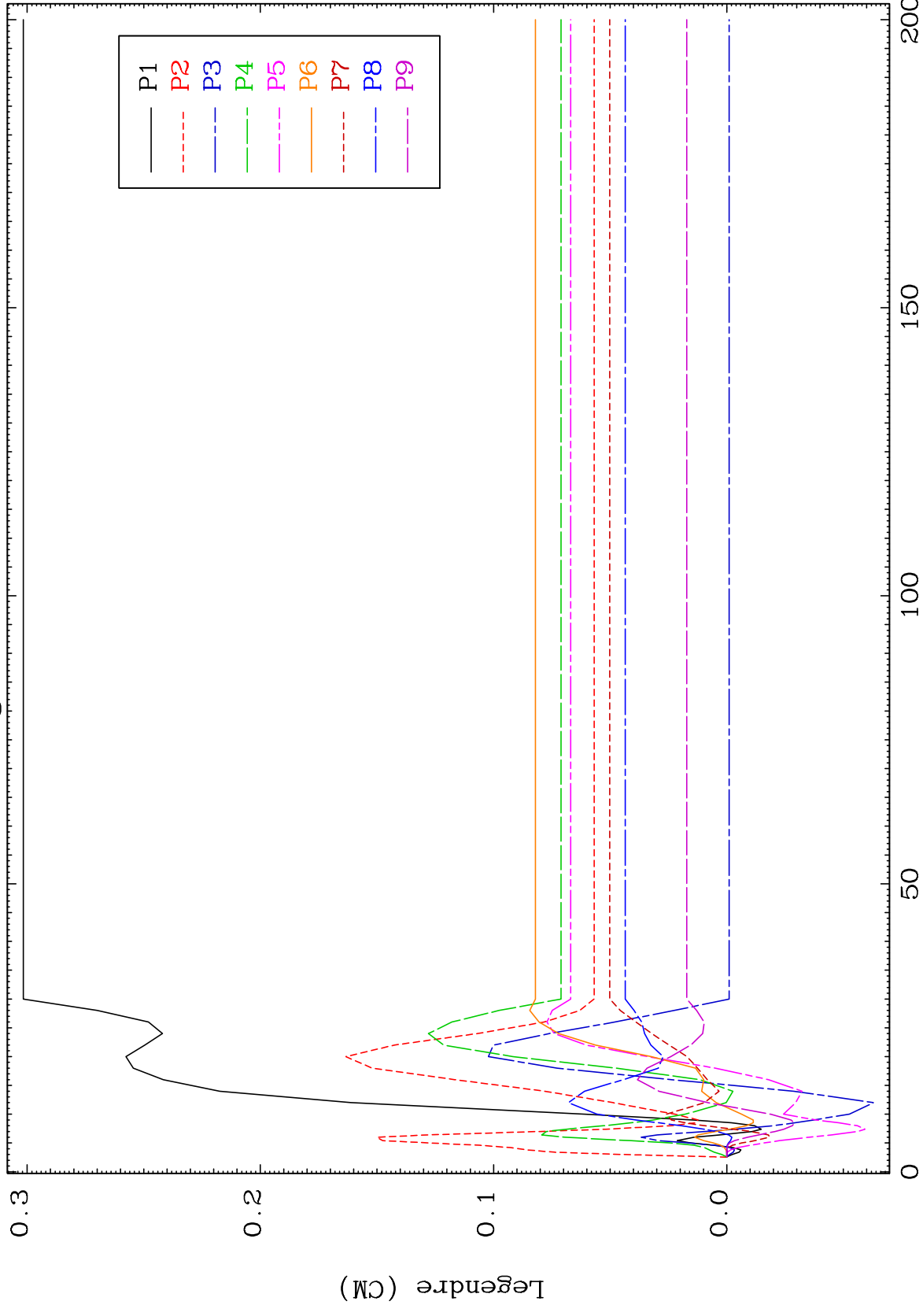
60-Nd-144



MAT 6031

MT= 74 (n,n') Level
Legendre Coefficients

60-Nd-144



60-Nd-144

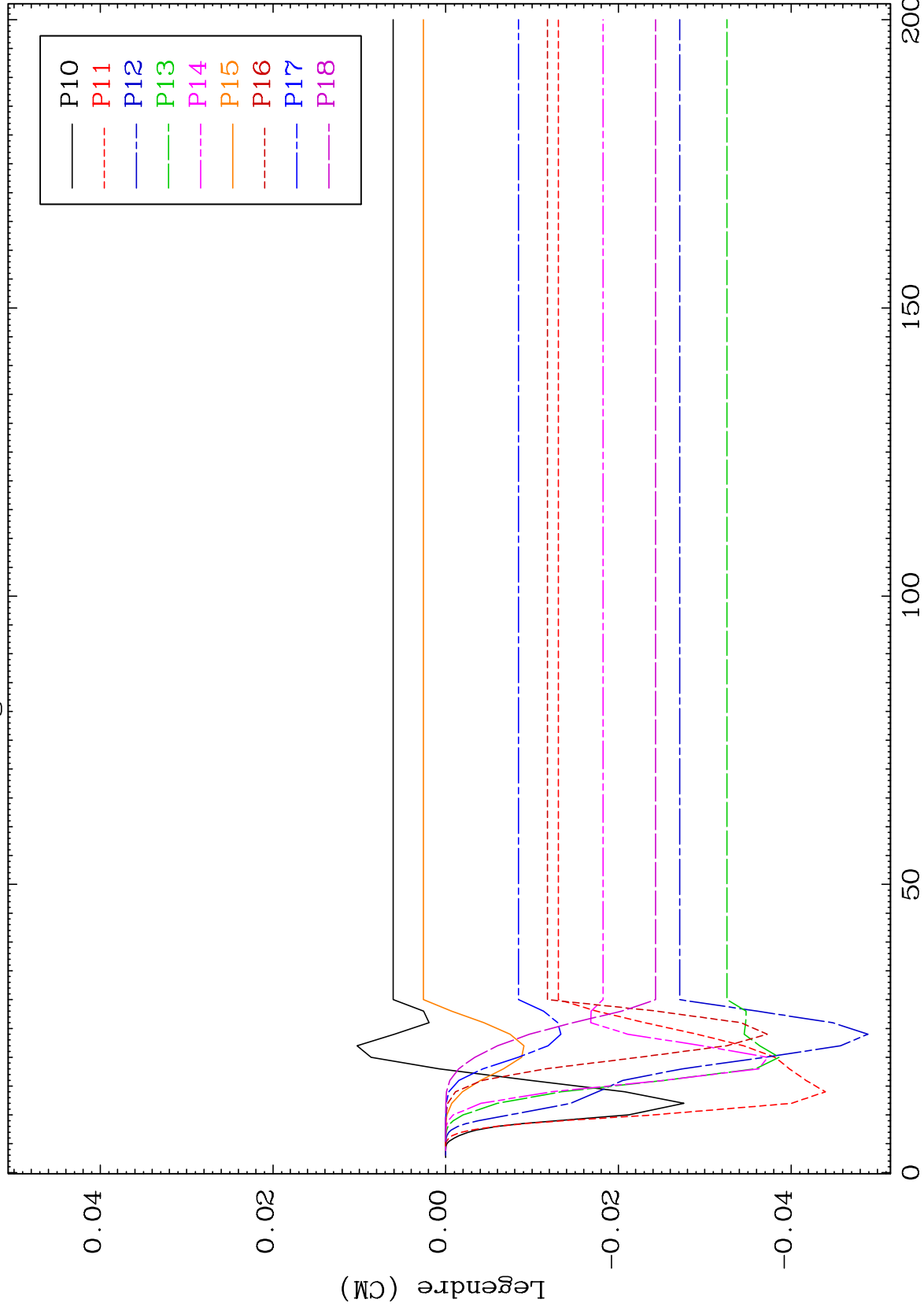
Incident Energy (MeV)

106

MAT 6031

MT= 74 (n,n') Level
Legendre Coefficients

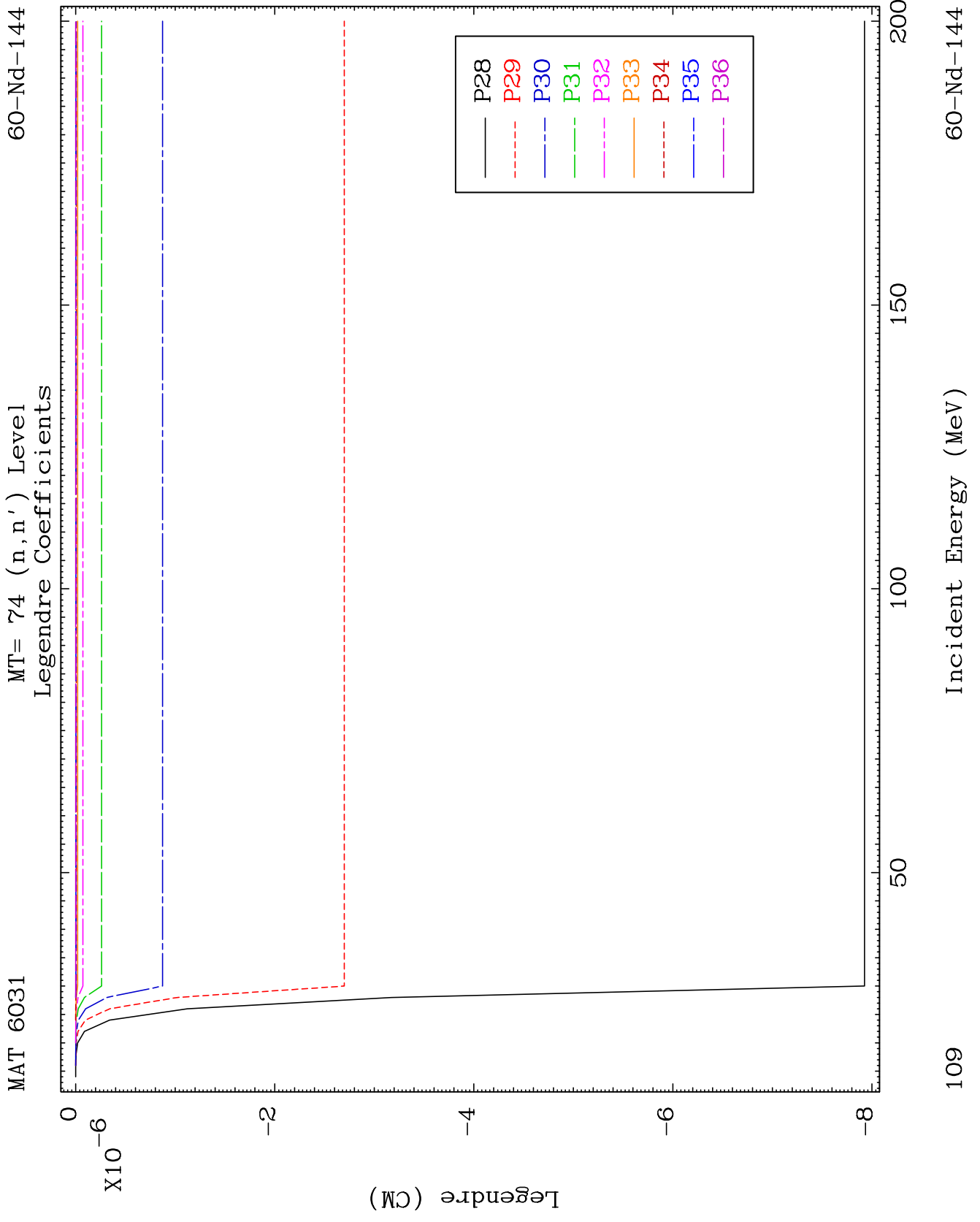
60-Nd-144



107

Incident Energy (MeV)

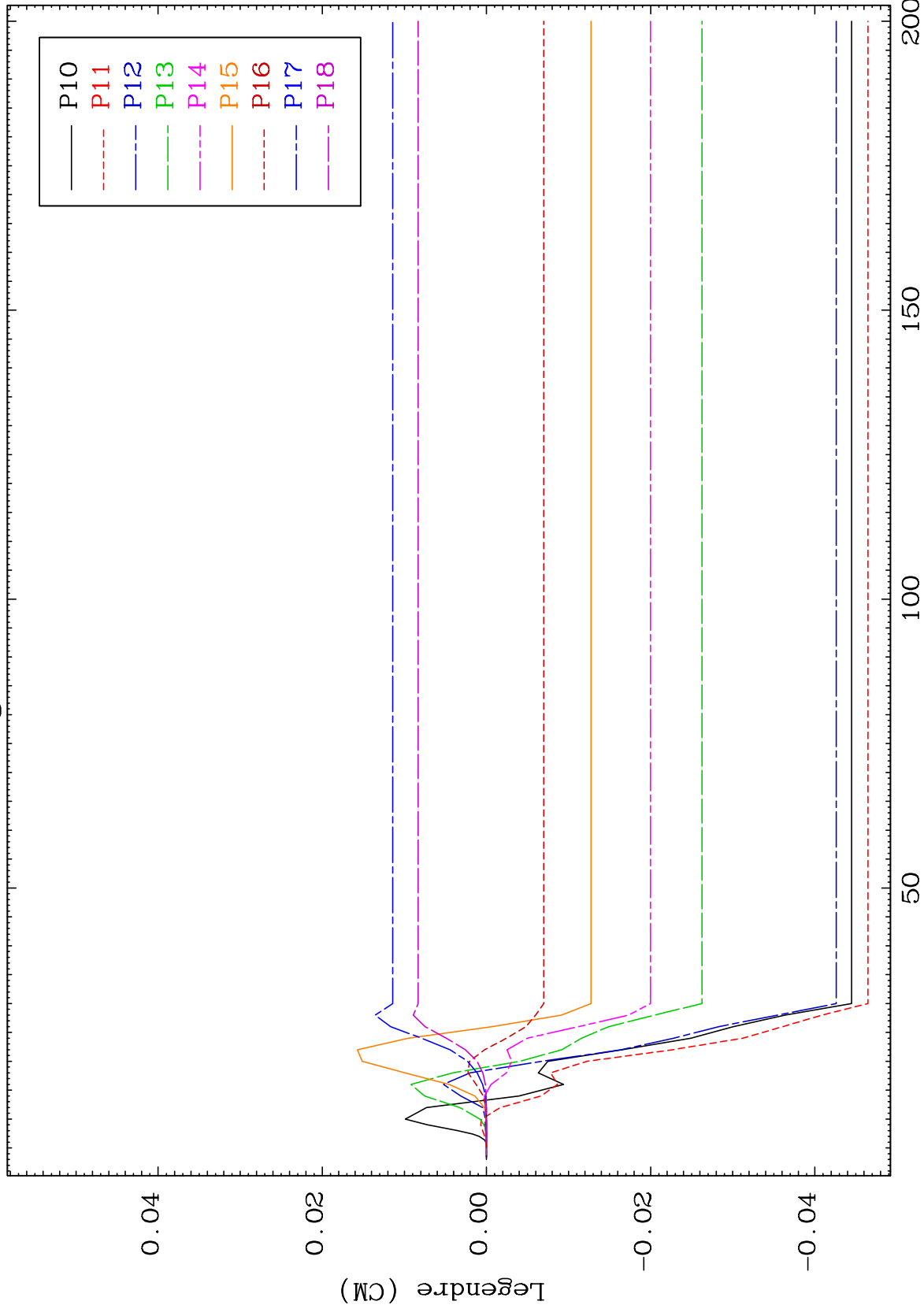
60-Nd-144



MAT 6031

MT= 75 (n,n') Level
Legendre Coefficients

60-Nd-144



111

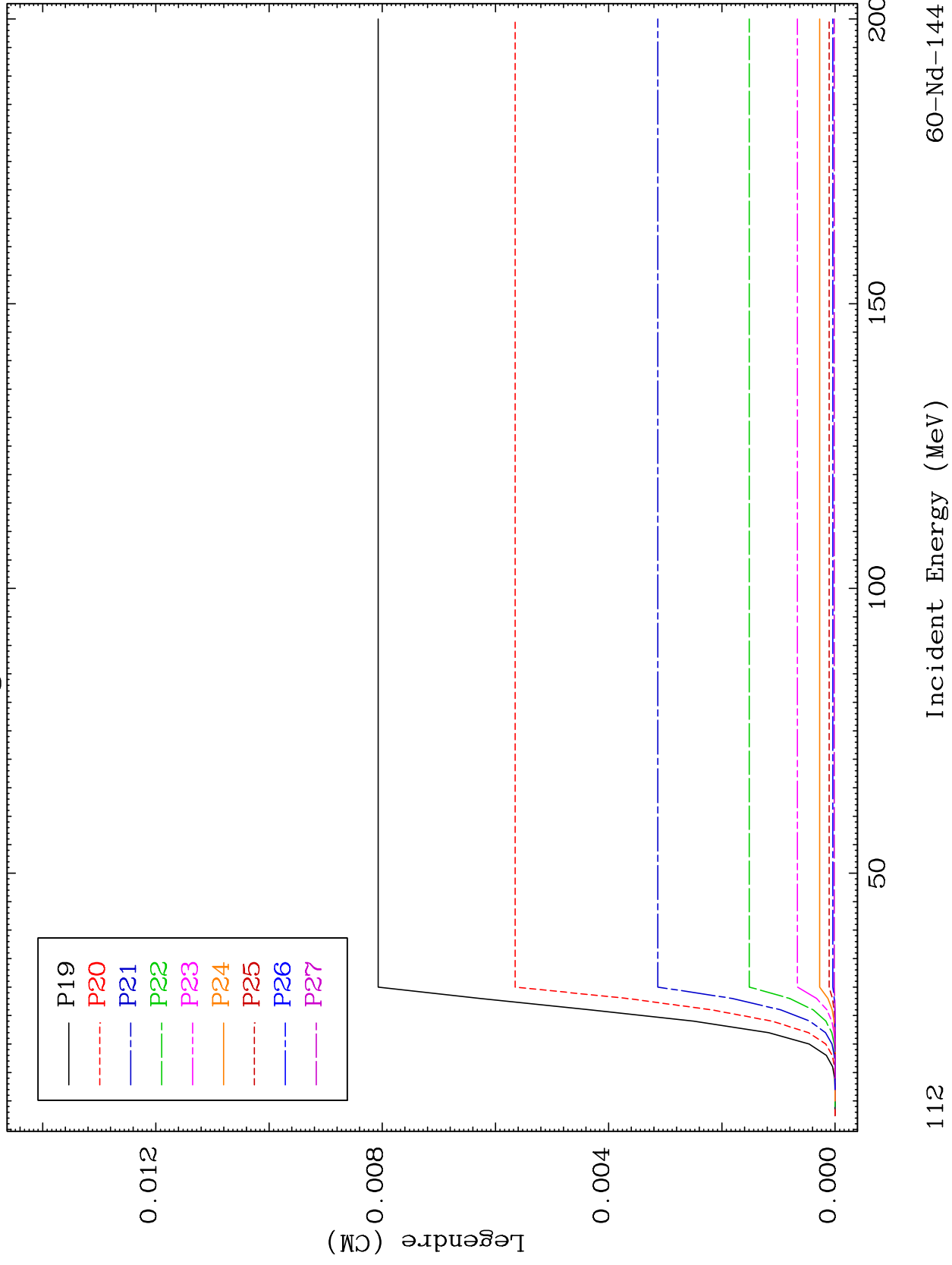
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 75 (n,n') Level
Legendre Coefficients

60-Nd-144



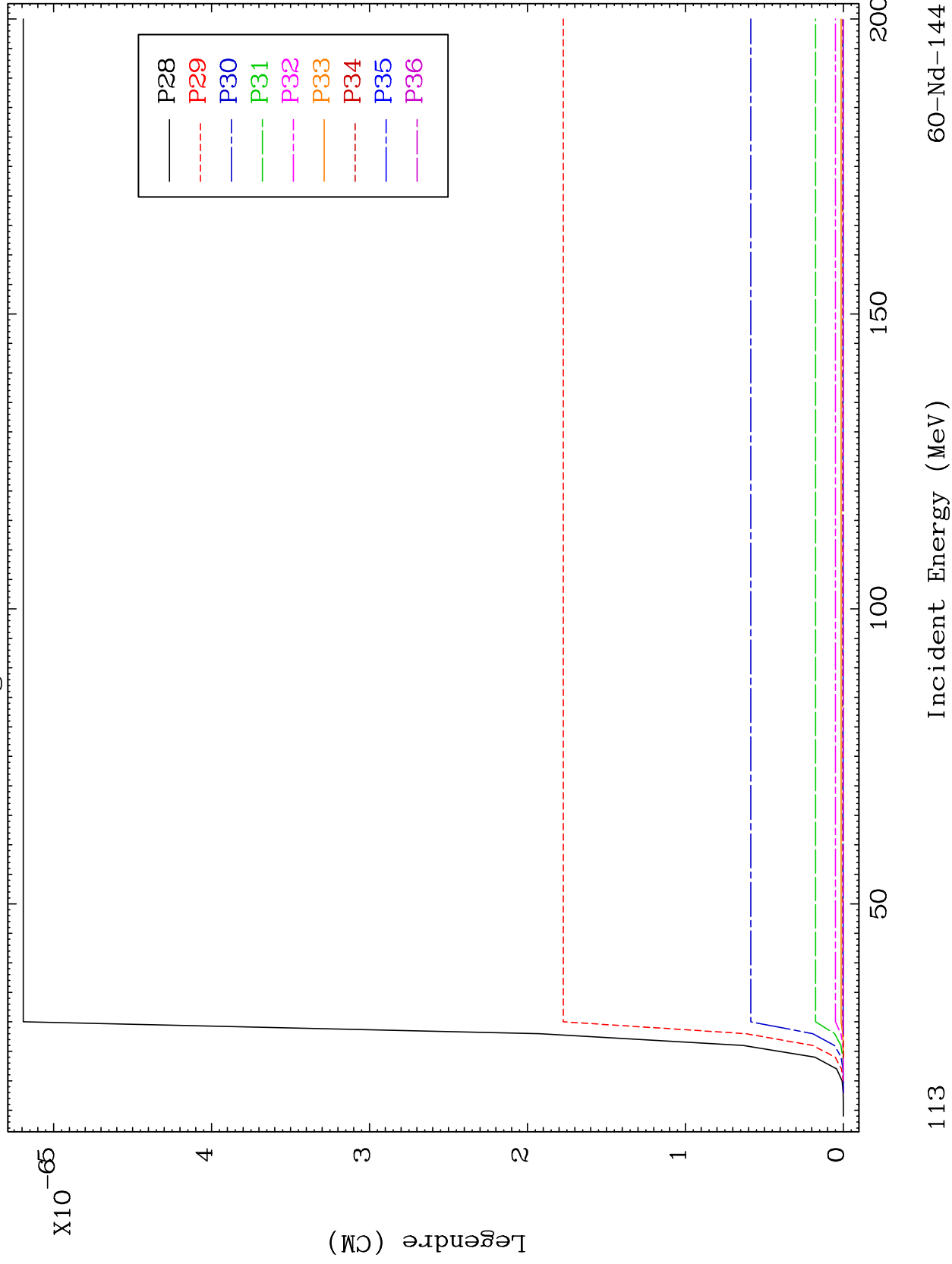
112

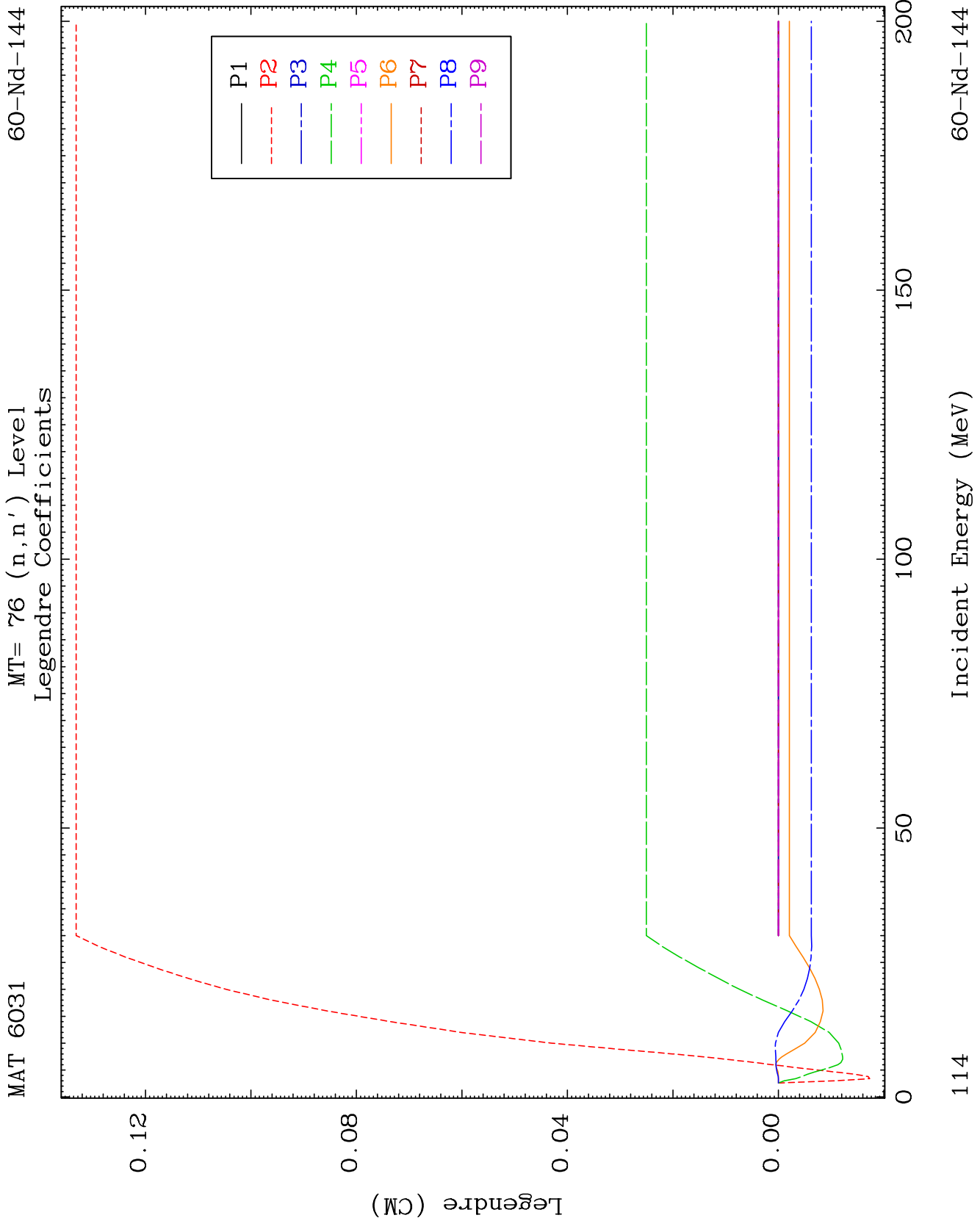
60-Nd-144

MAT 6031

MT= 75 (n,n') Level
Legendre Coefficients

60-Nd-144

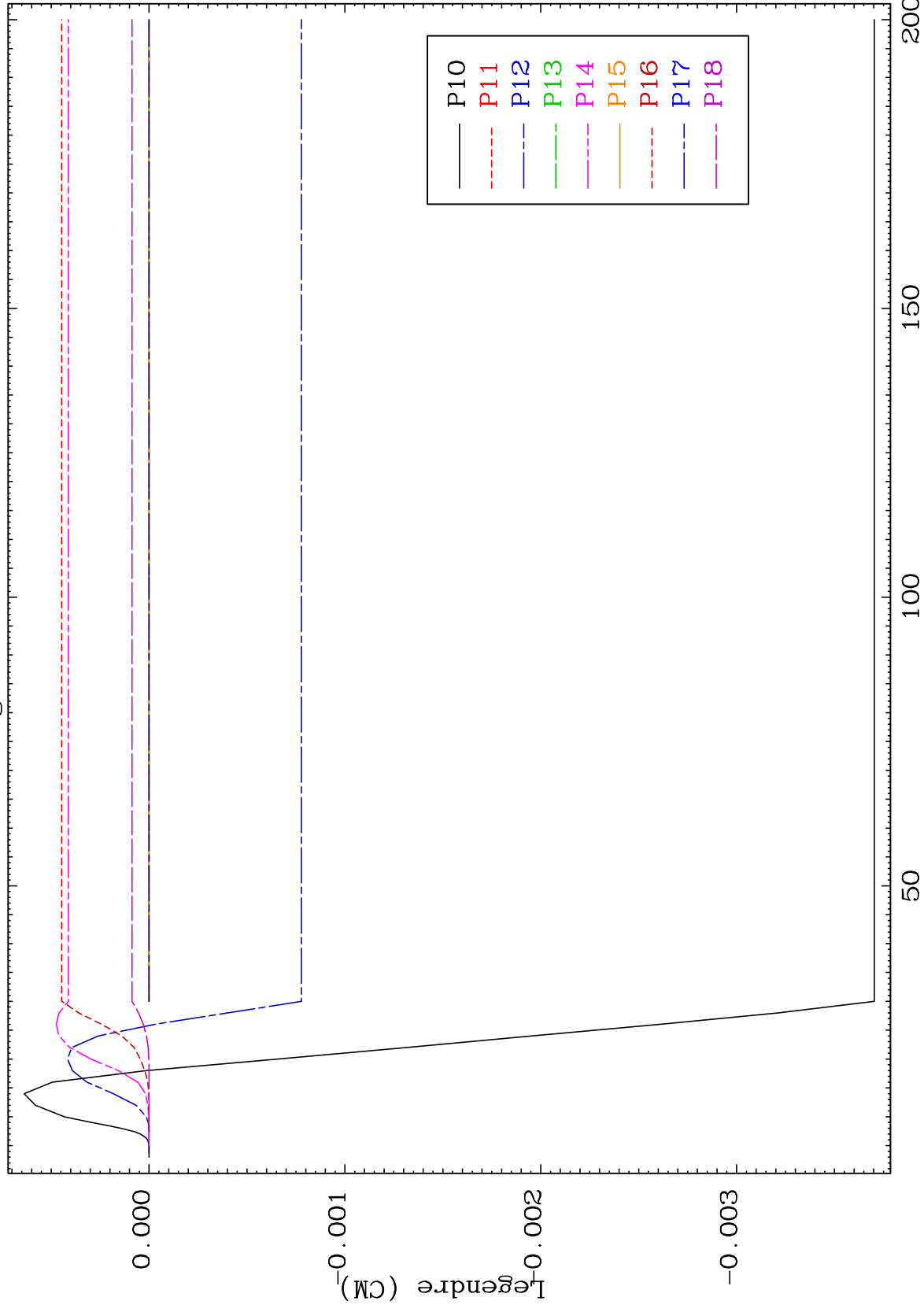




MAT 6031

60-Nd-144

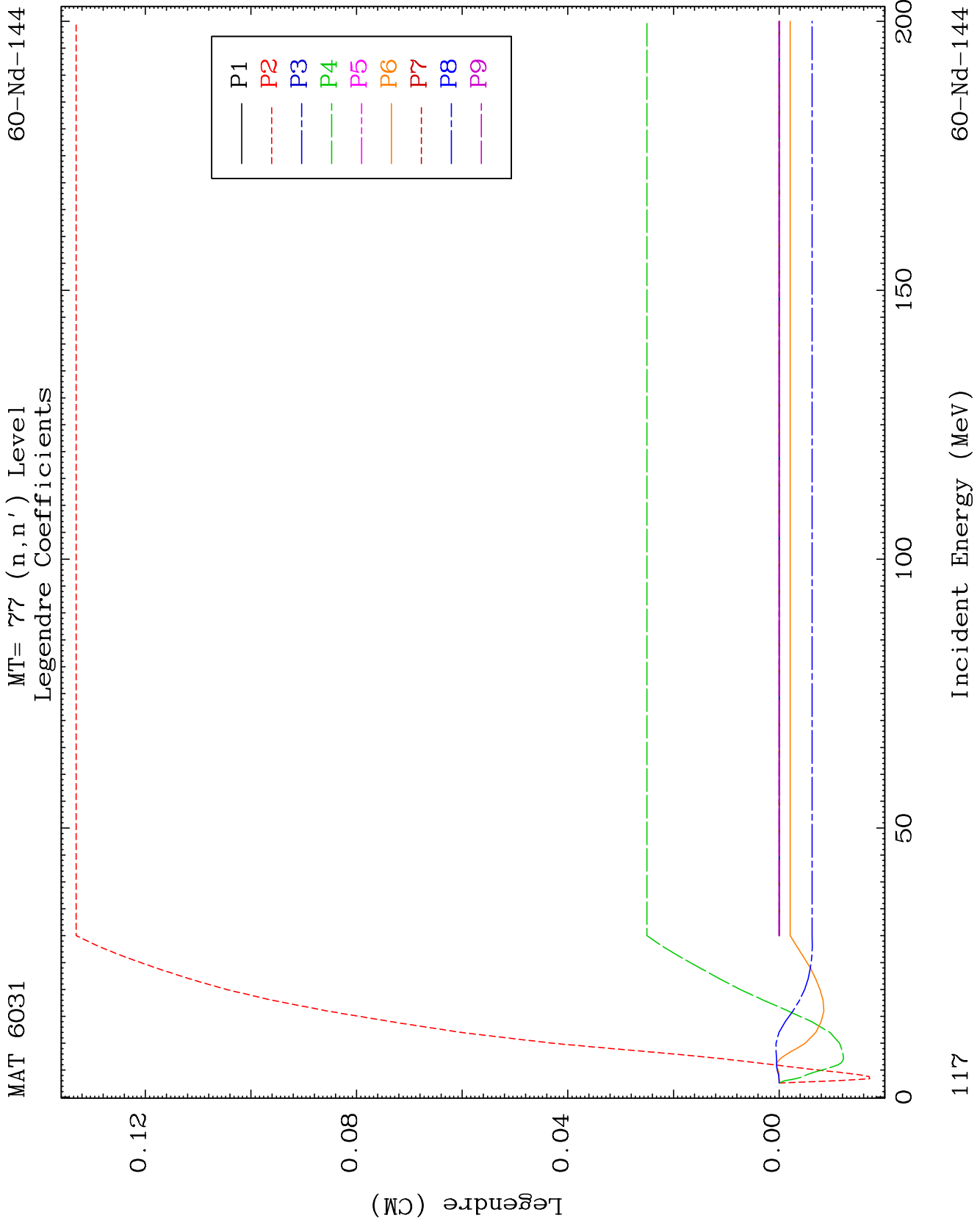
MT= 76 (n,n') Level
Legendre Coefficients



115

Incident Energy (MeV)

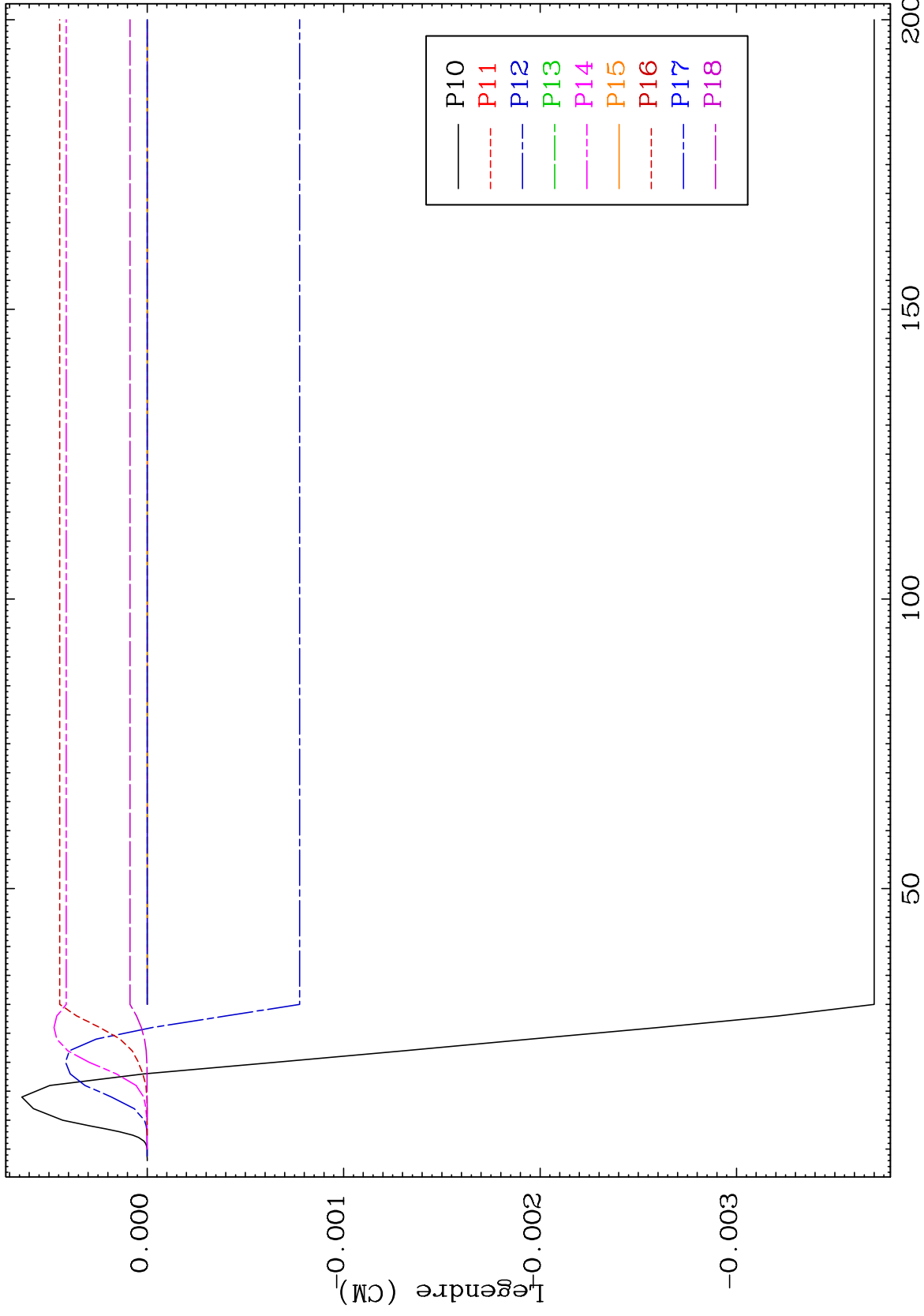
60-Nd-144



MAT 6031

MT= 77 (n,n') Level
Legendre Coefficients

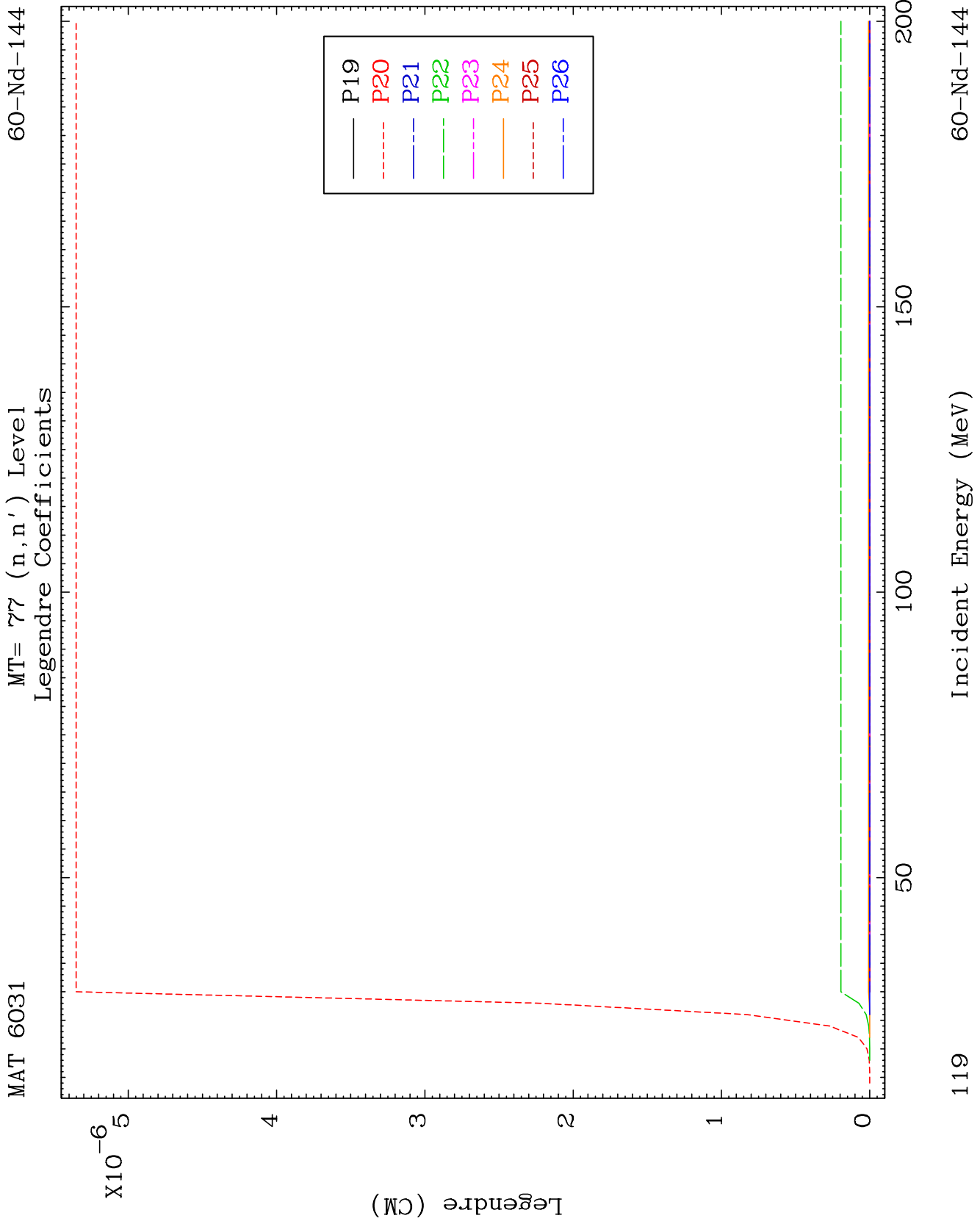
60-Nd-144

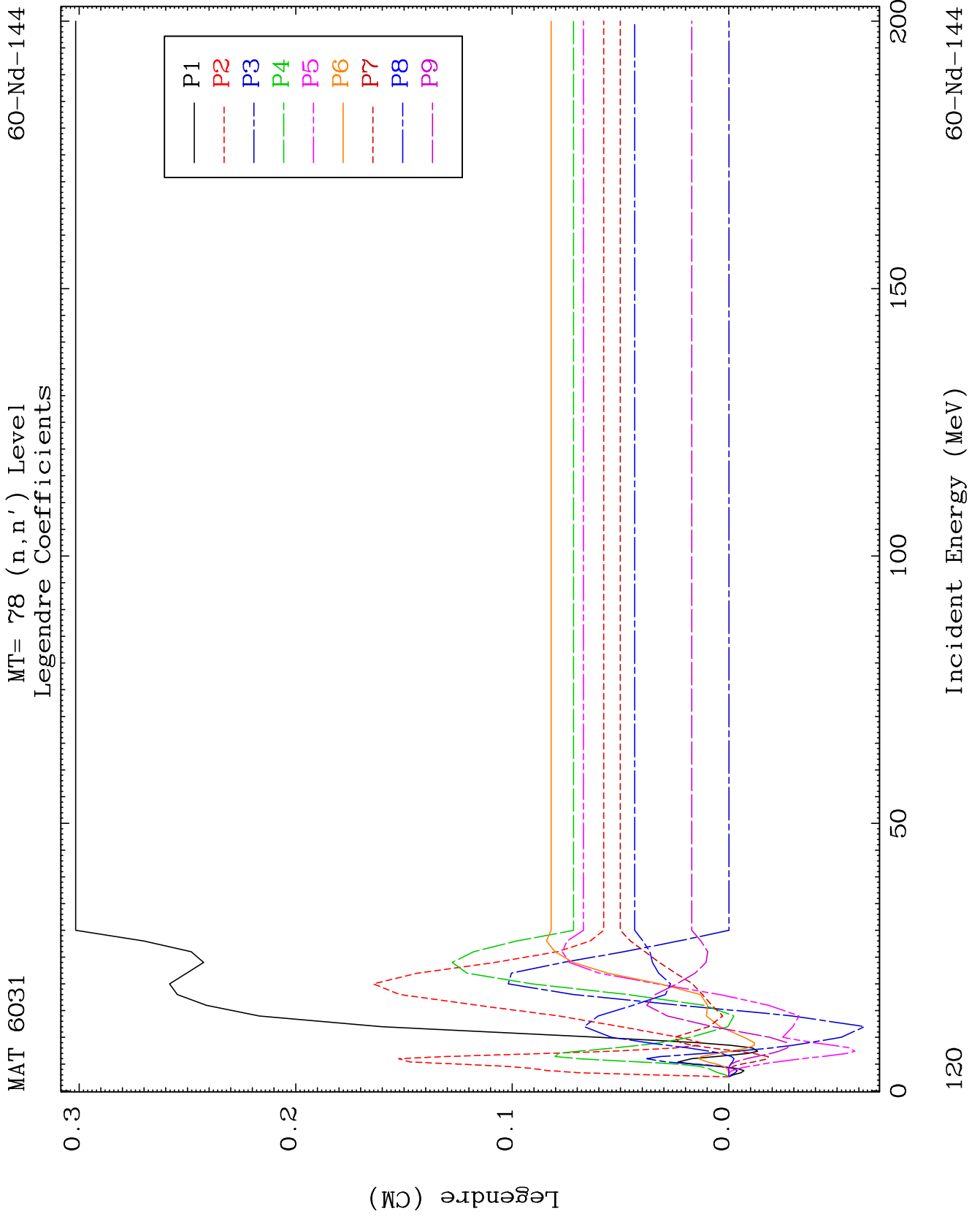


118

Incident Energy (MeV)

60-Nd-144

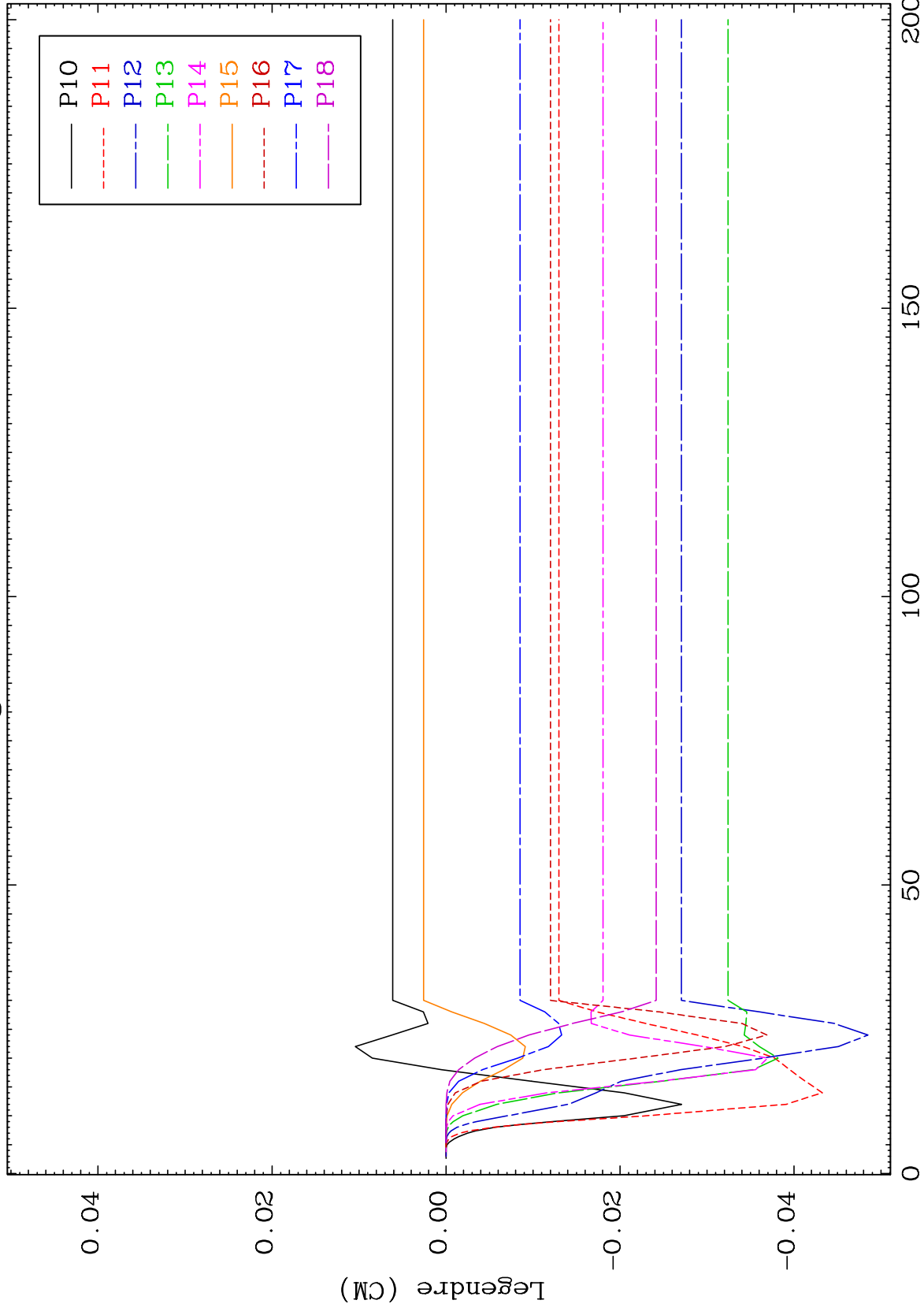




MAT 6031

MT= 78 (n,n') Level
Legendre Coefficients

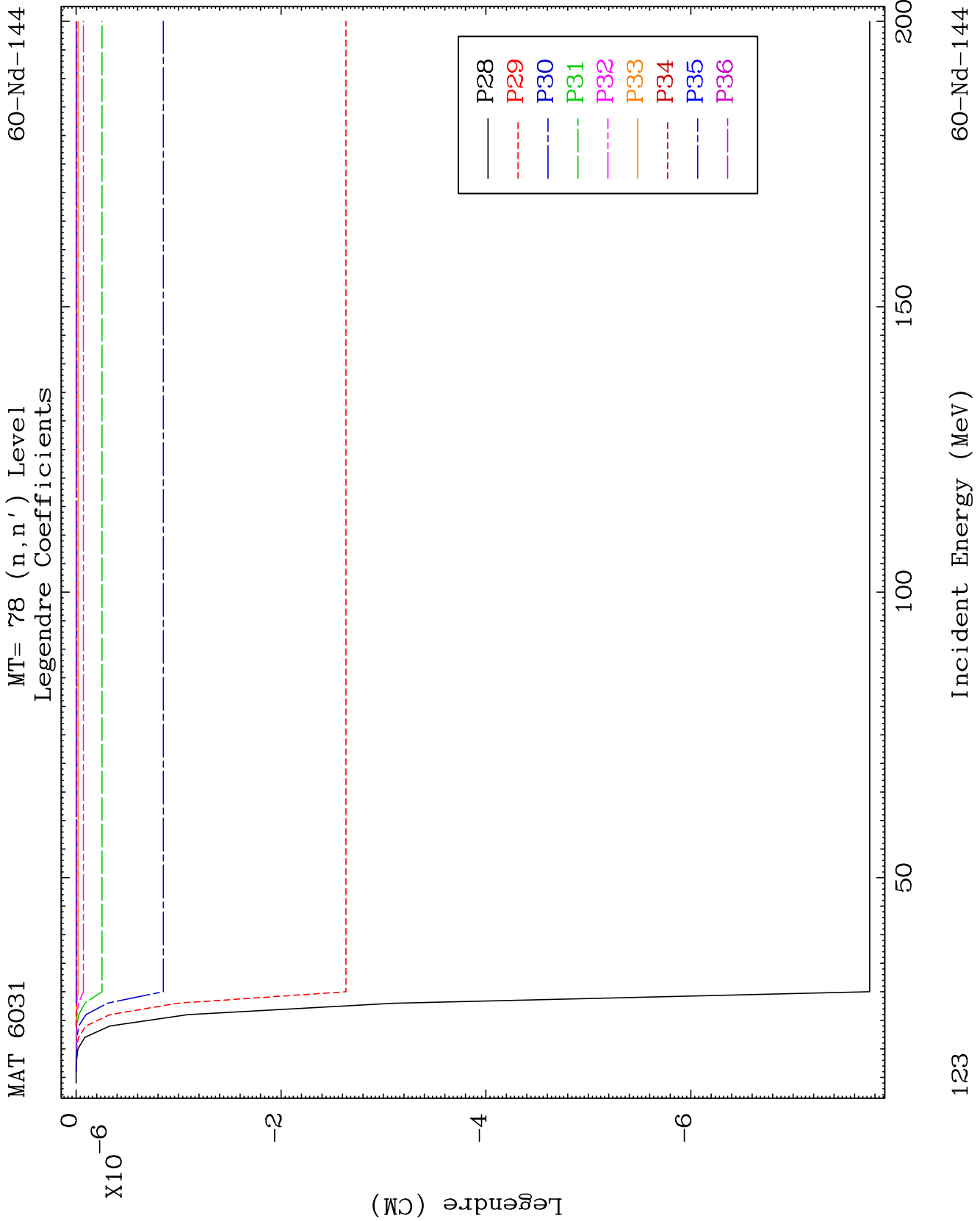
60-Nd-144



121

Incident Energy (MeV)

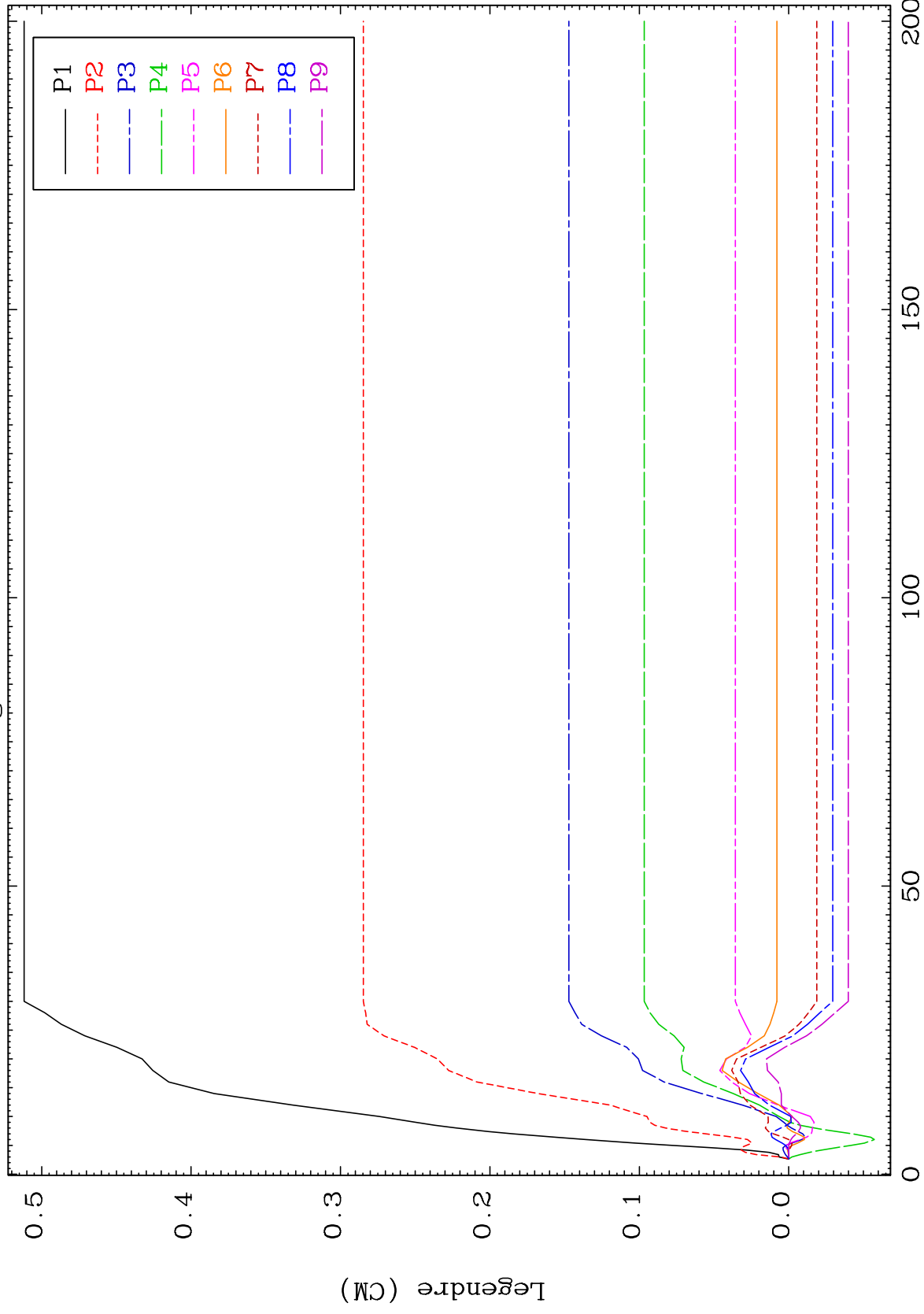
60-Nd-144



MAT 6031

MT= 79 (n,n') Level
Legendre Coefficients

60-Nd-144



124

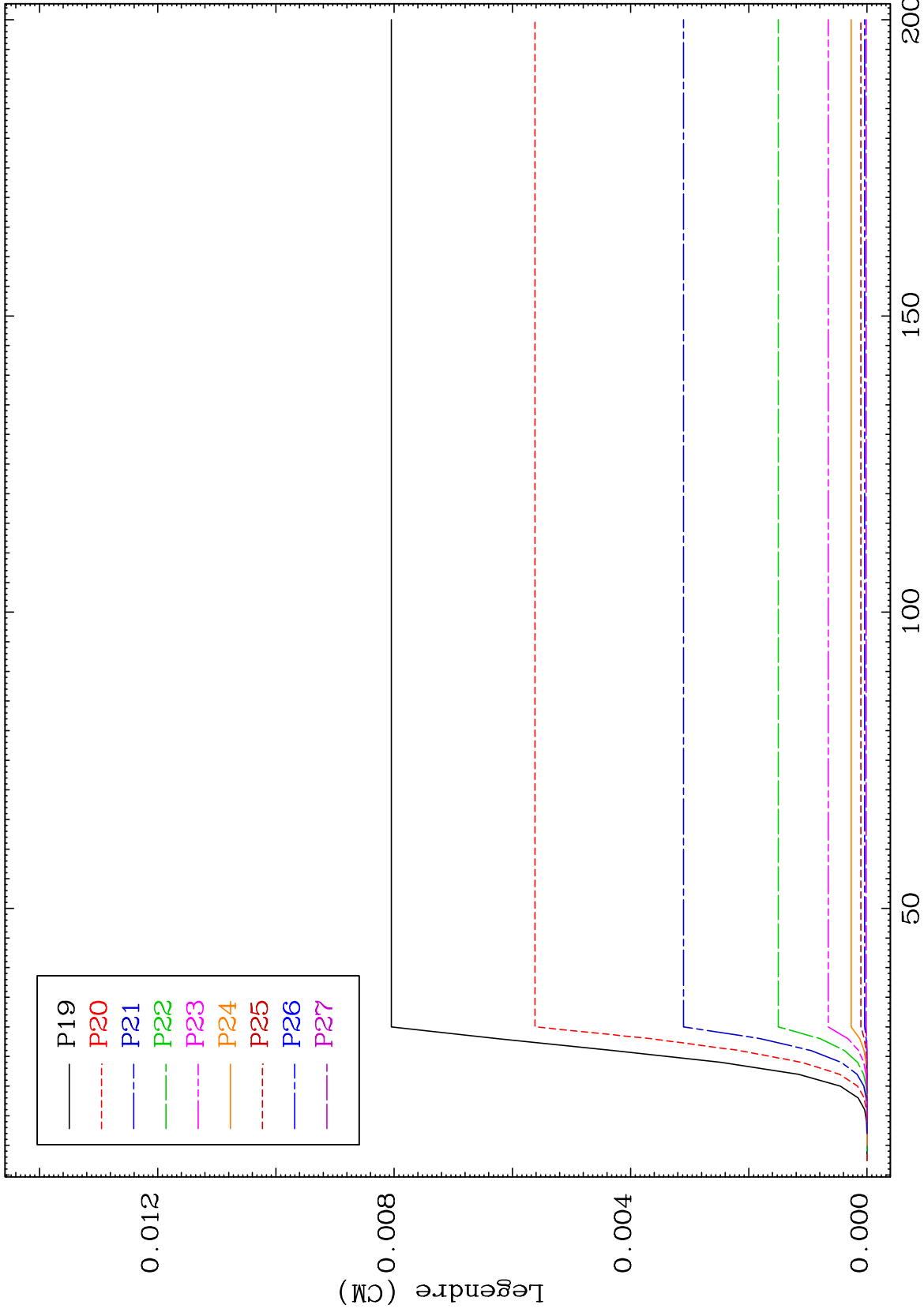
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 79 (n,n') Level
Legendre Coefficients

60-Nd-144



126

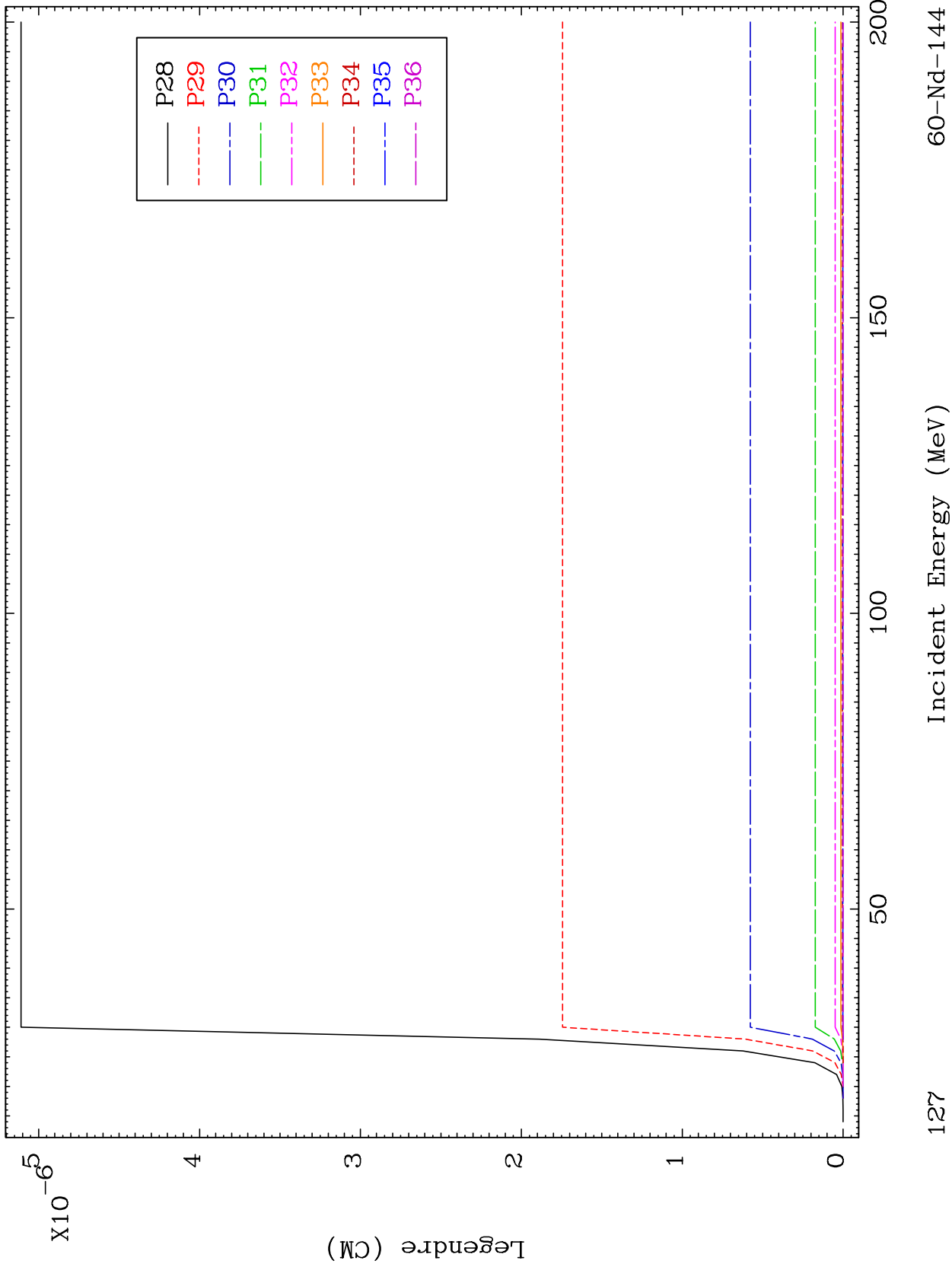
Incident Energy (MeV)

60-Nd-144

MAT 6031

MT= 79 (n,n') Level
Legendre Coefficients

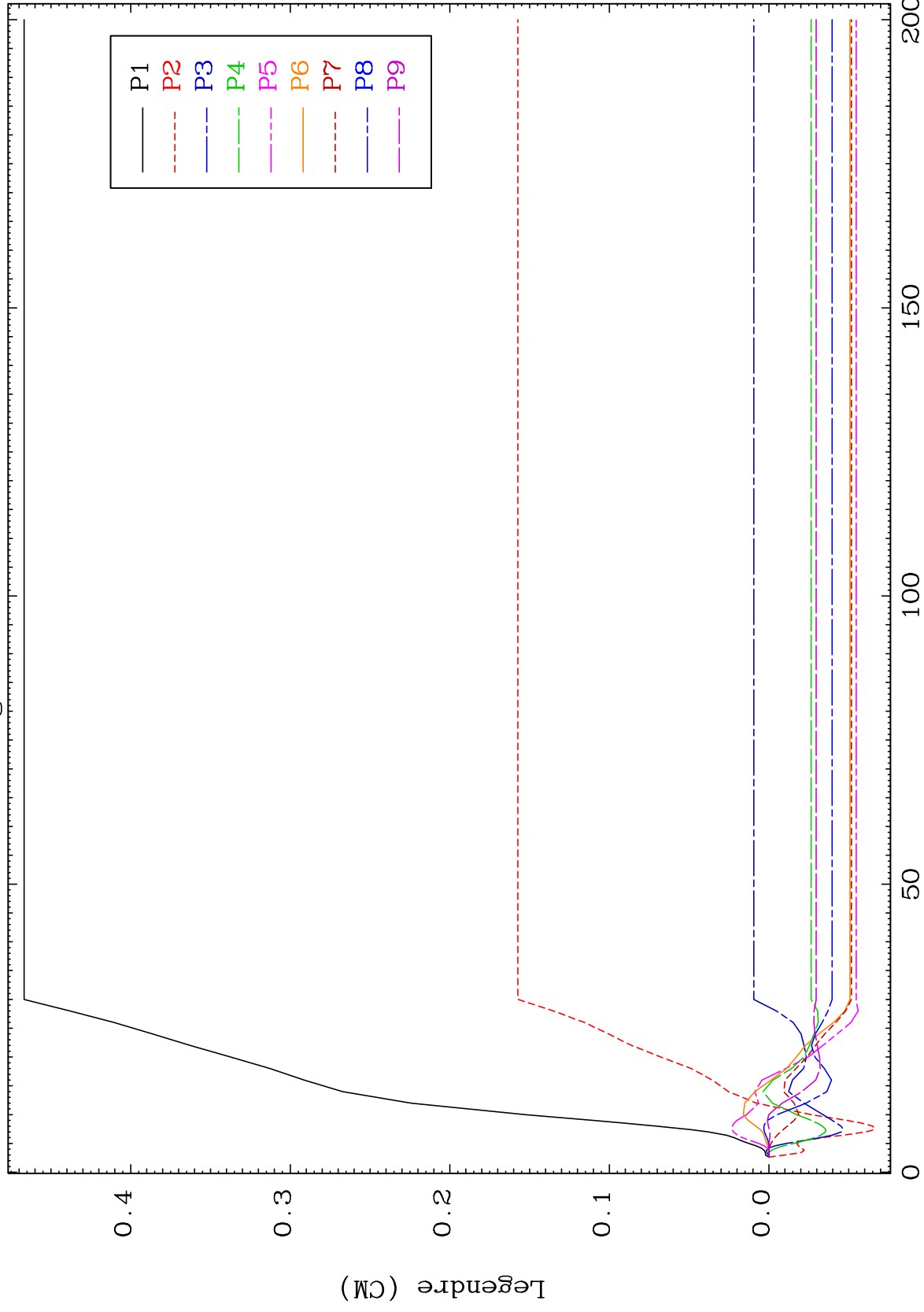
60-Nd-144



MAT 6031

MT= 80 (n,n') Level
Legendre Coefficients

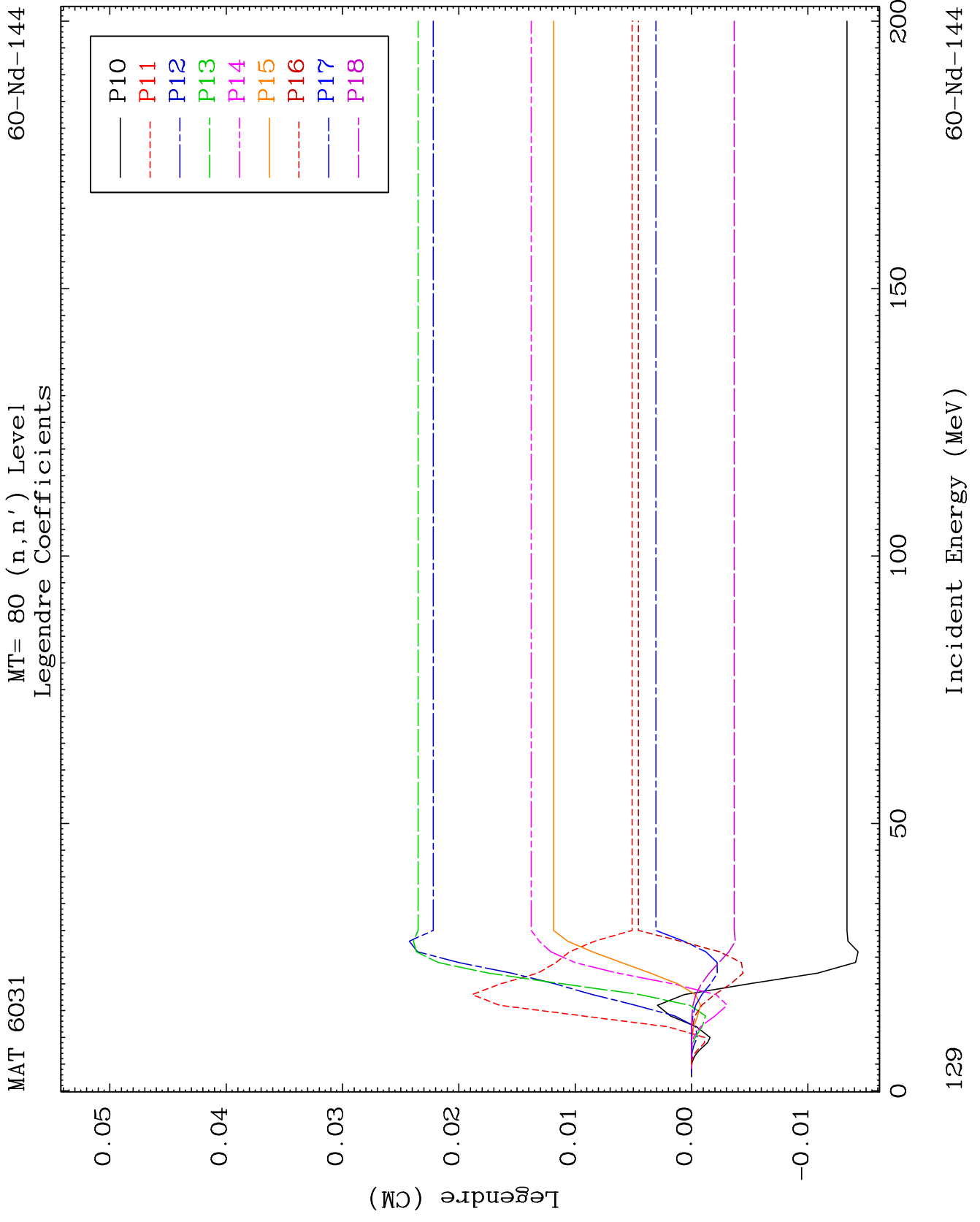
60-Nd-144

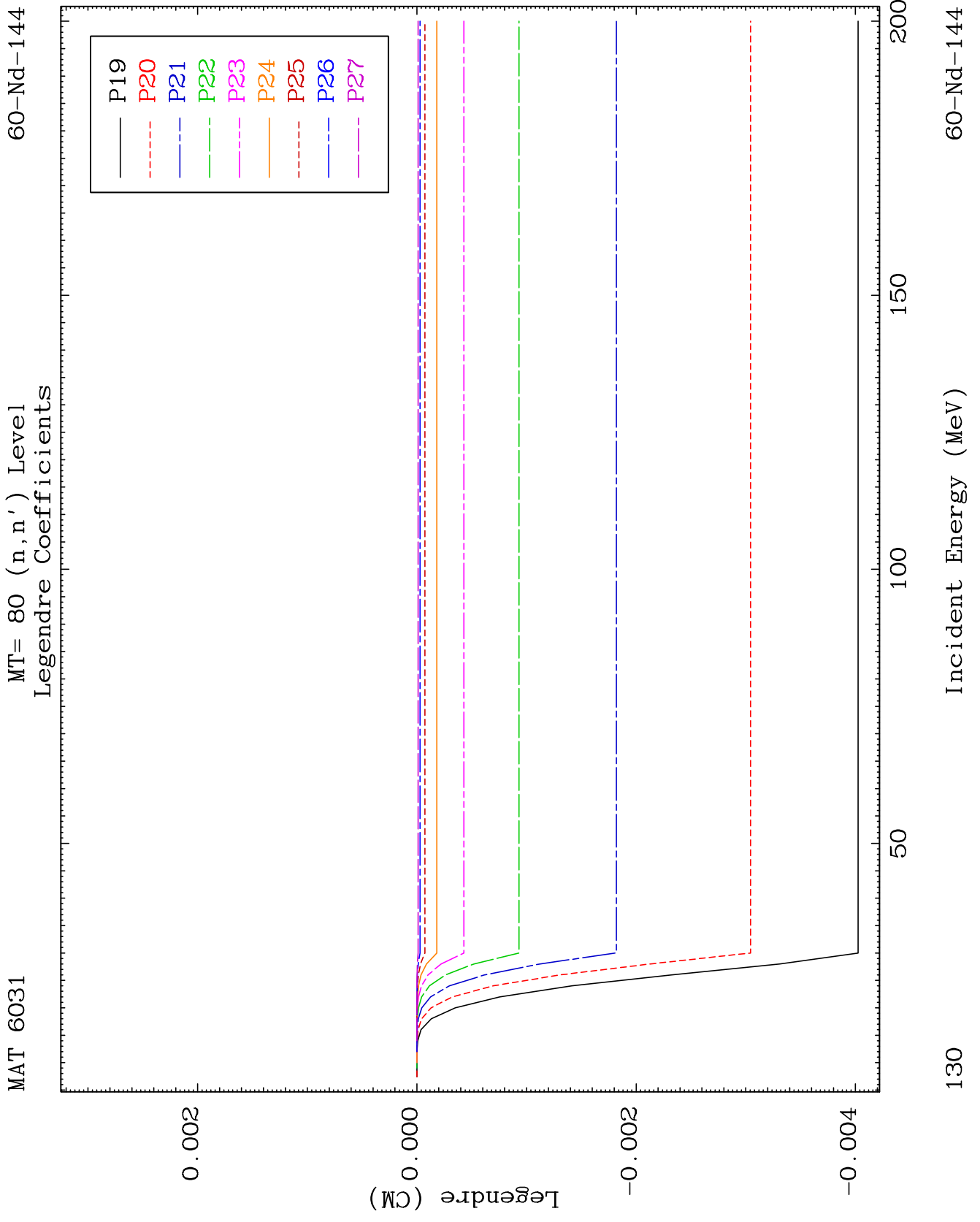


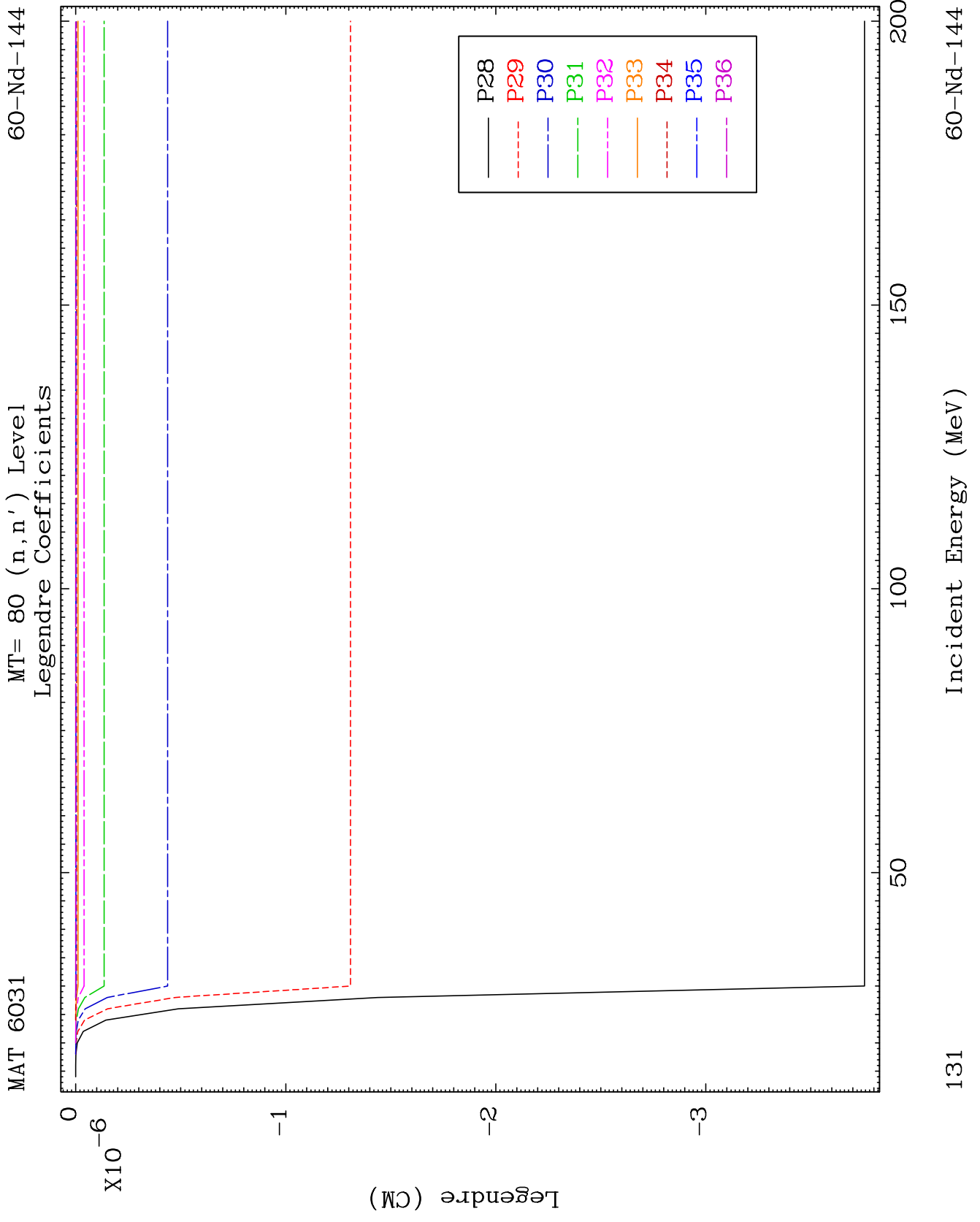
128

Incident Energy (MeV)

60-Nd-144





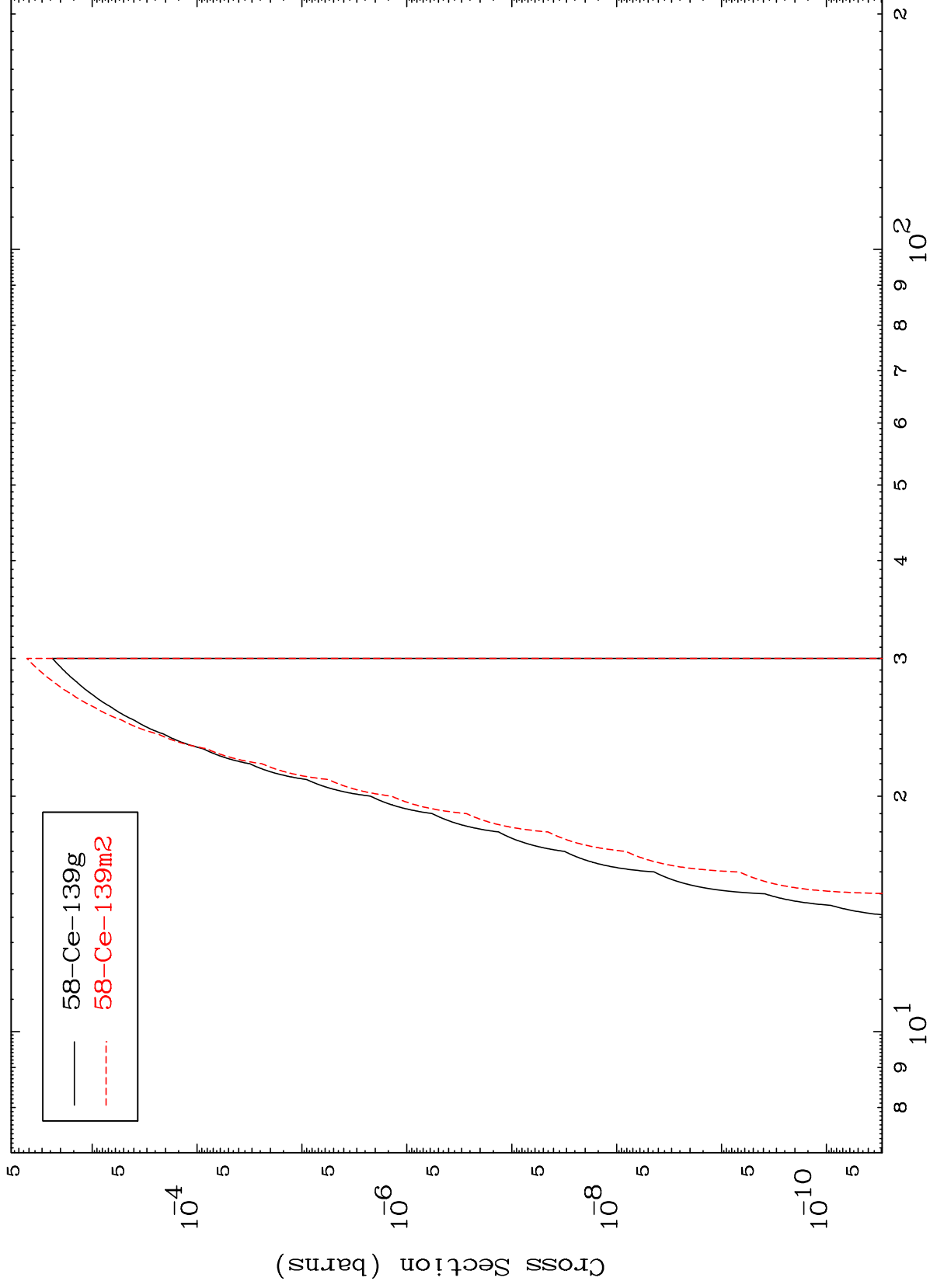


MAT 6031

(n,2n) α

60-Nd-144

Radionuclide Production Cross Section



132

Incident Energy (MeV)

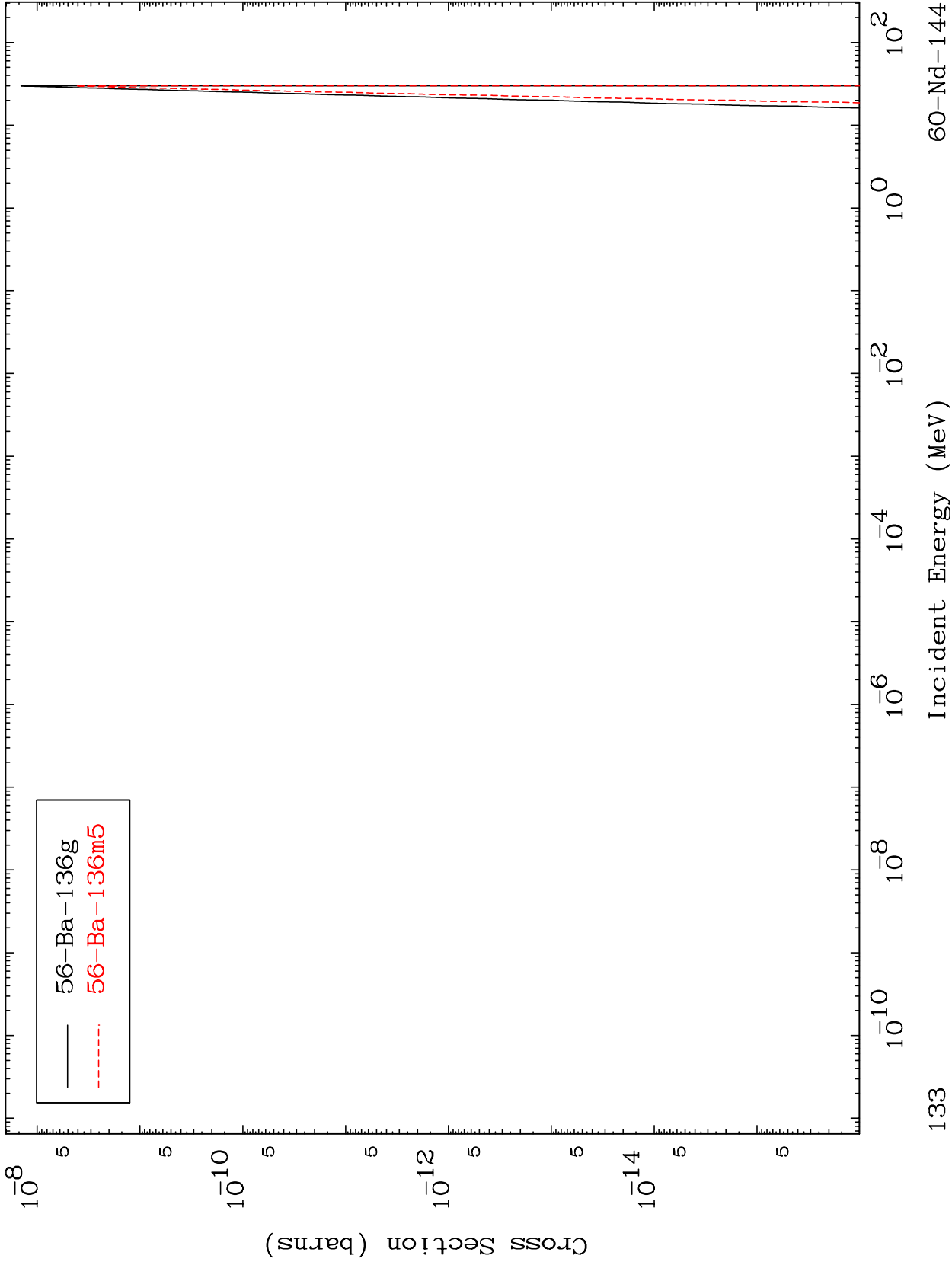
60-Nd-144

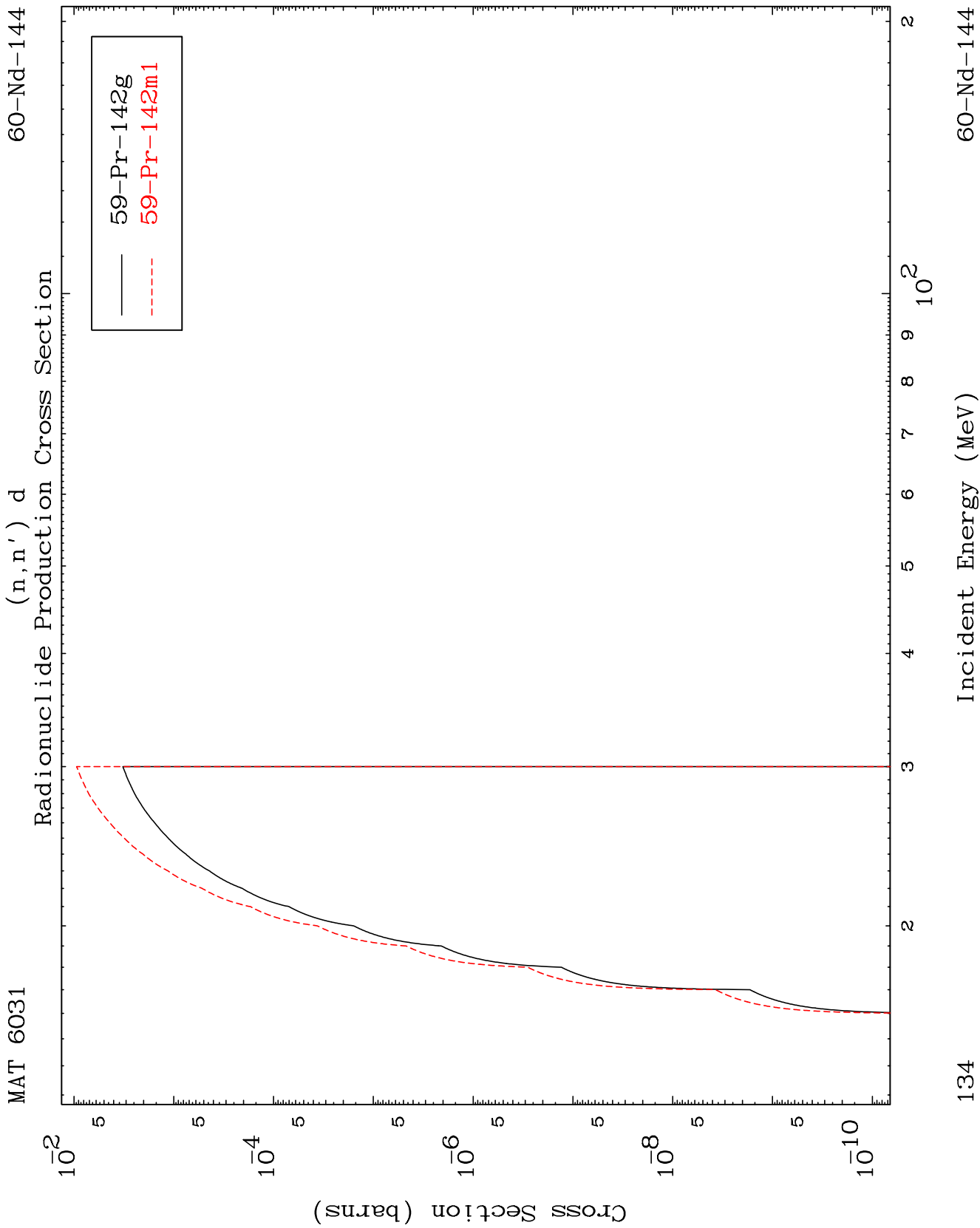
MAT 6031

(n,n') 2 α

60-Nd-144

Radionuclide Production Cross Section

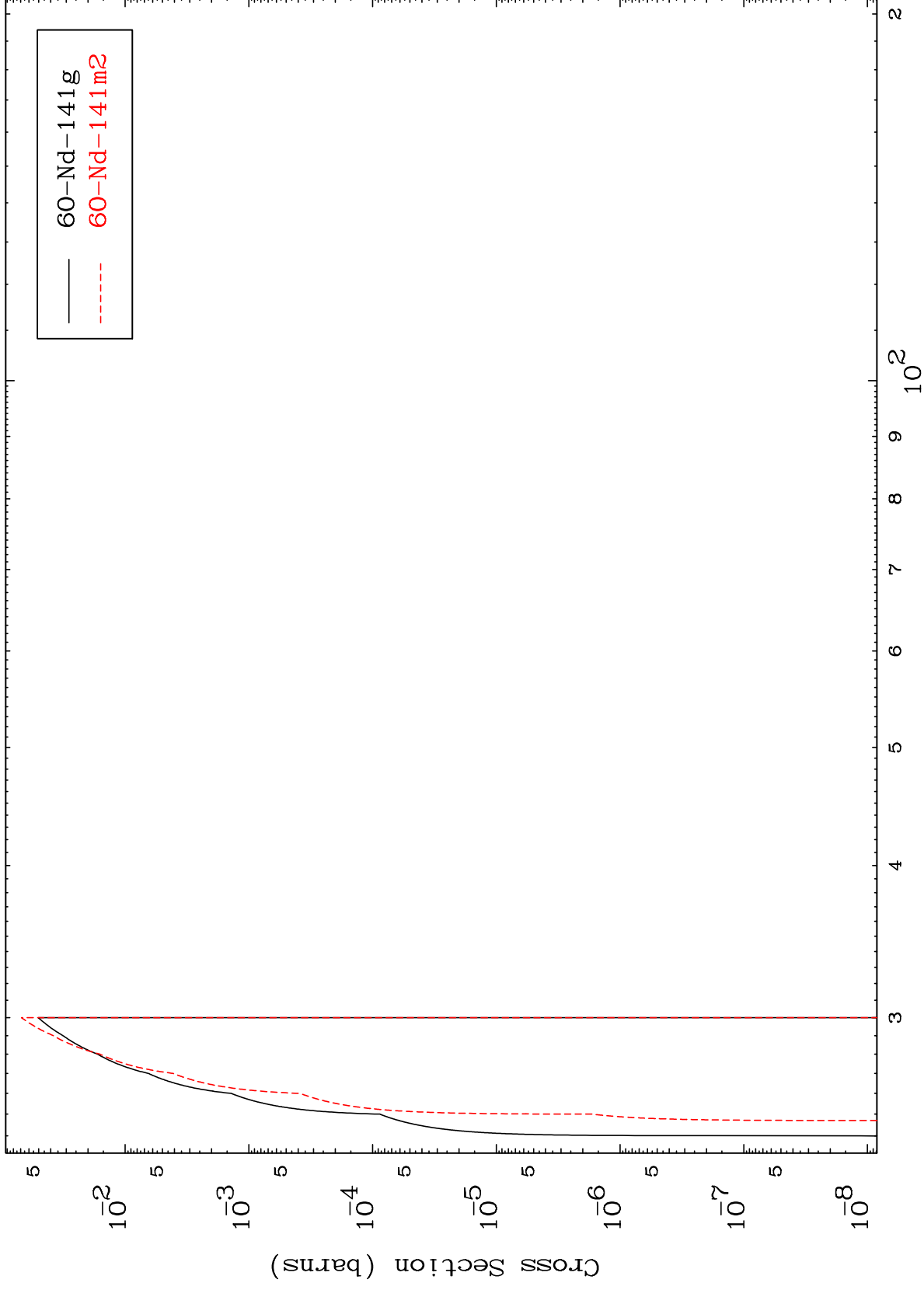




MAT 6031

60-Nd-144

(n,4n)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

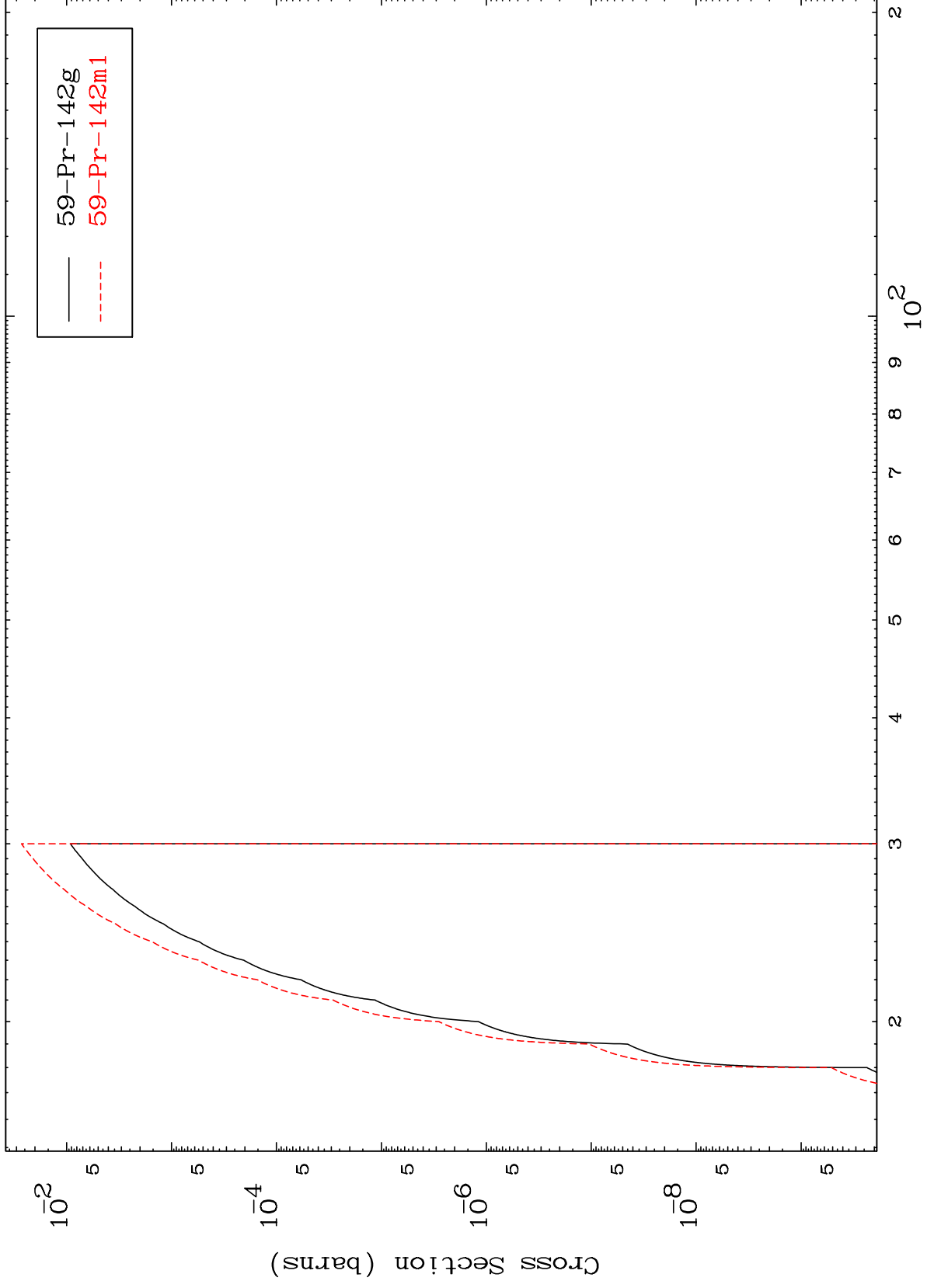
60-Nd-144

MAT 6031

(n,2n) p

60-Nd-144

Radionuclide Production Cross Section



136

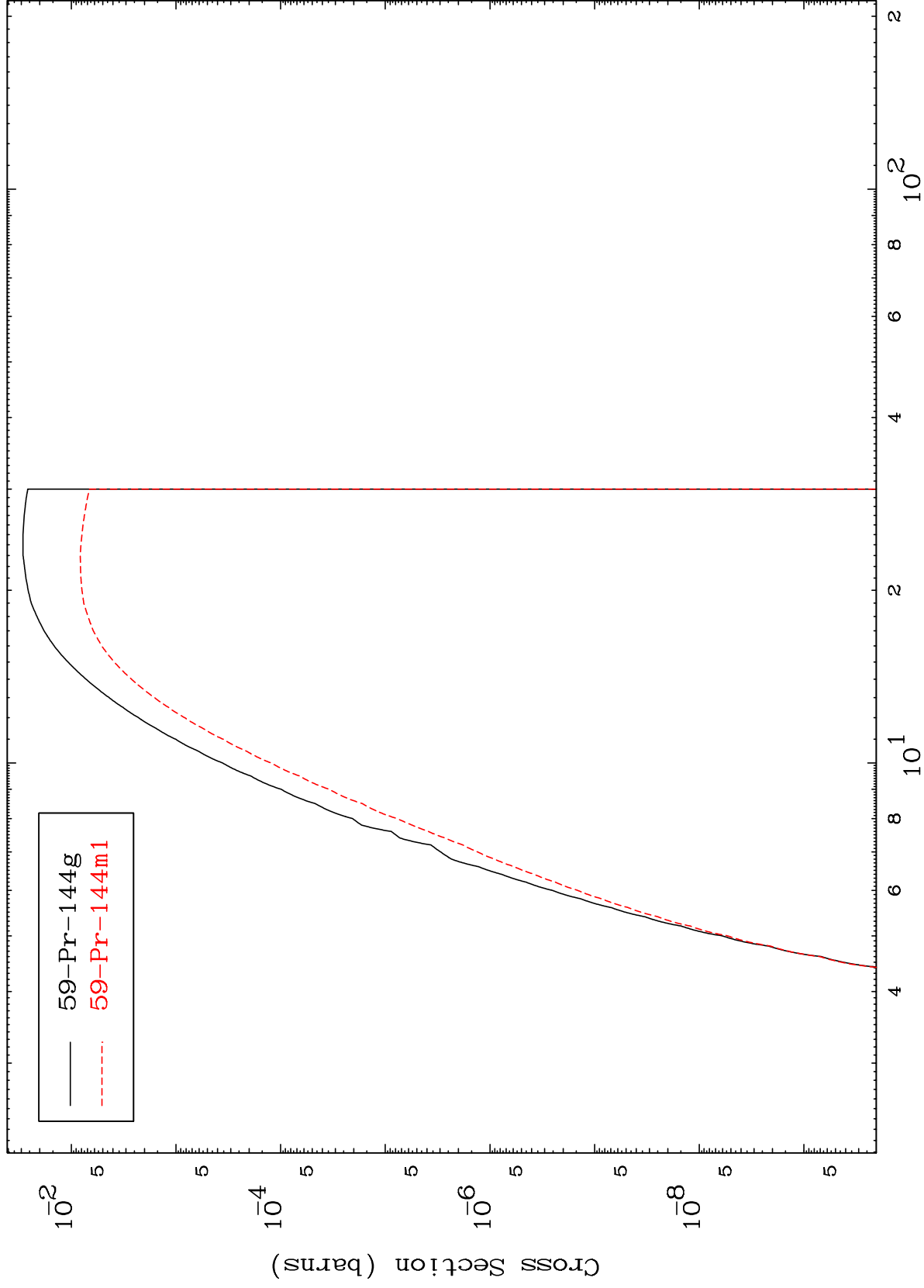
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n,p)
Radionuclide Production Cross Section



137

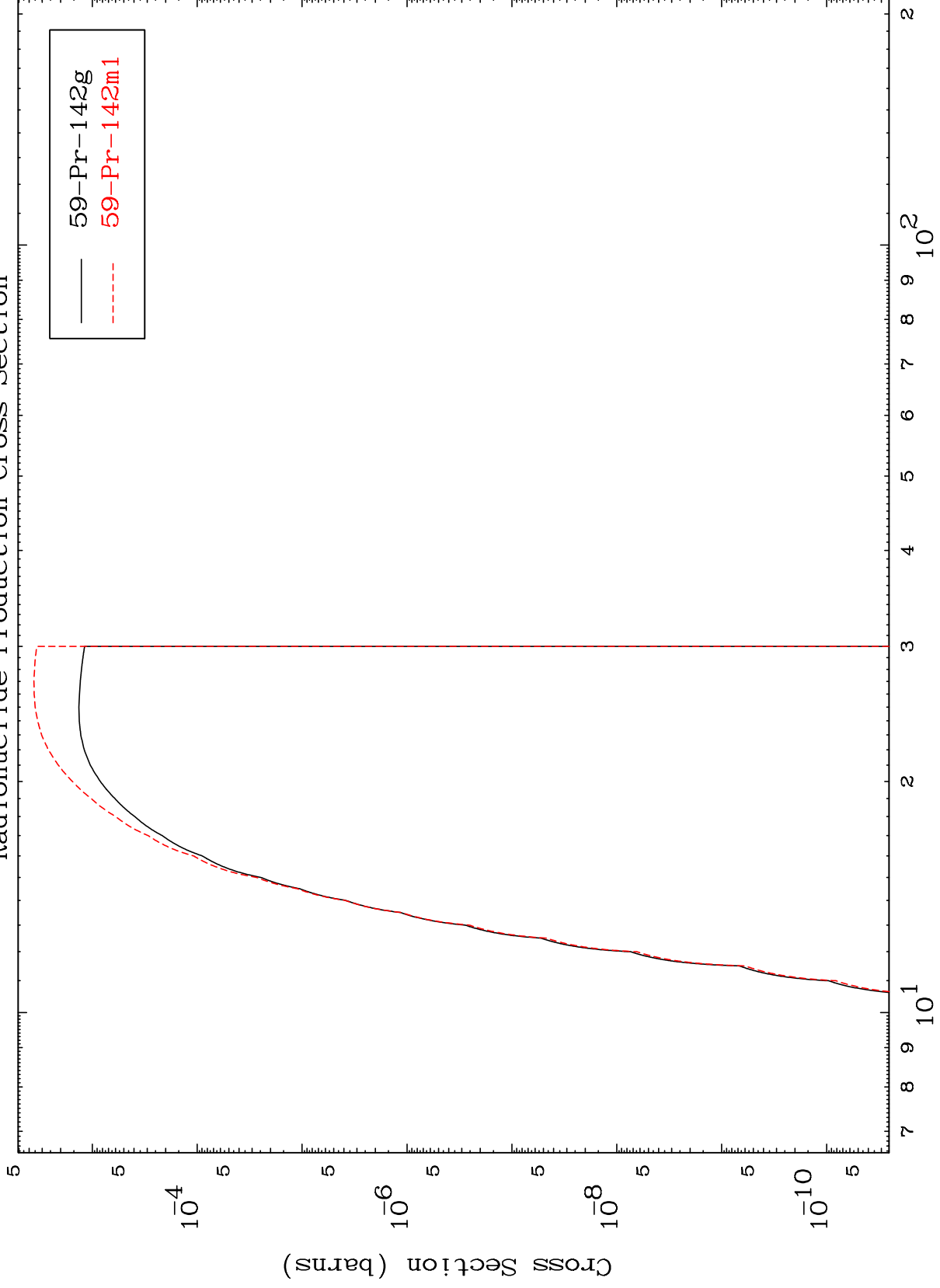
60-Nd-144

Incident Energy (MeV)

MAT 6031

60-Nd-144

(n,t)
Radionuclide Production Cross Section



138

Incident Energy (MeV)

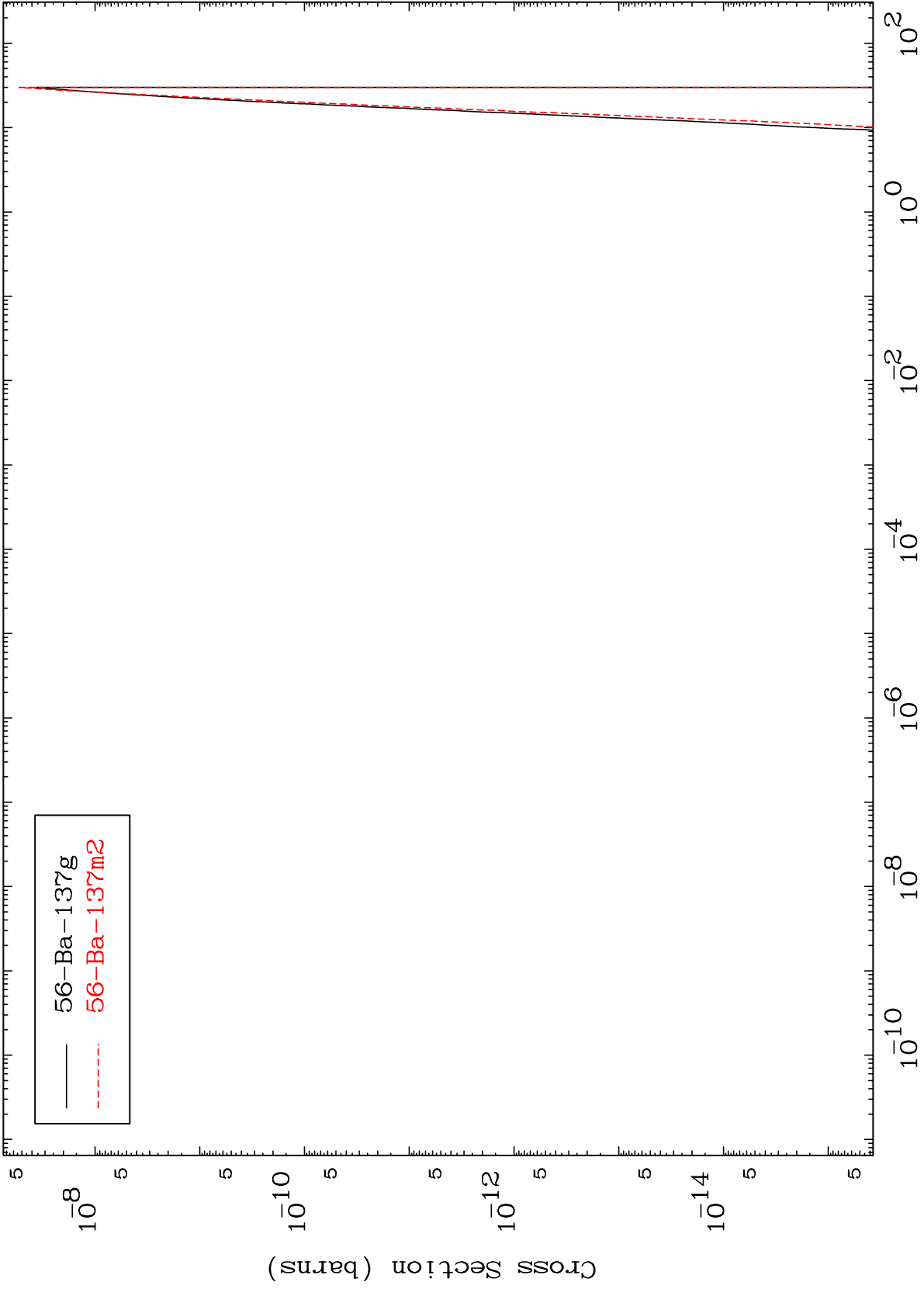
60-Nd-144

MAT 6031

(n,2α)

60-Nd-144

Radionuclide Production Cross Section



56-Ba-137g
56-Ba-137m2