

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

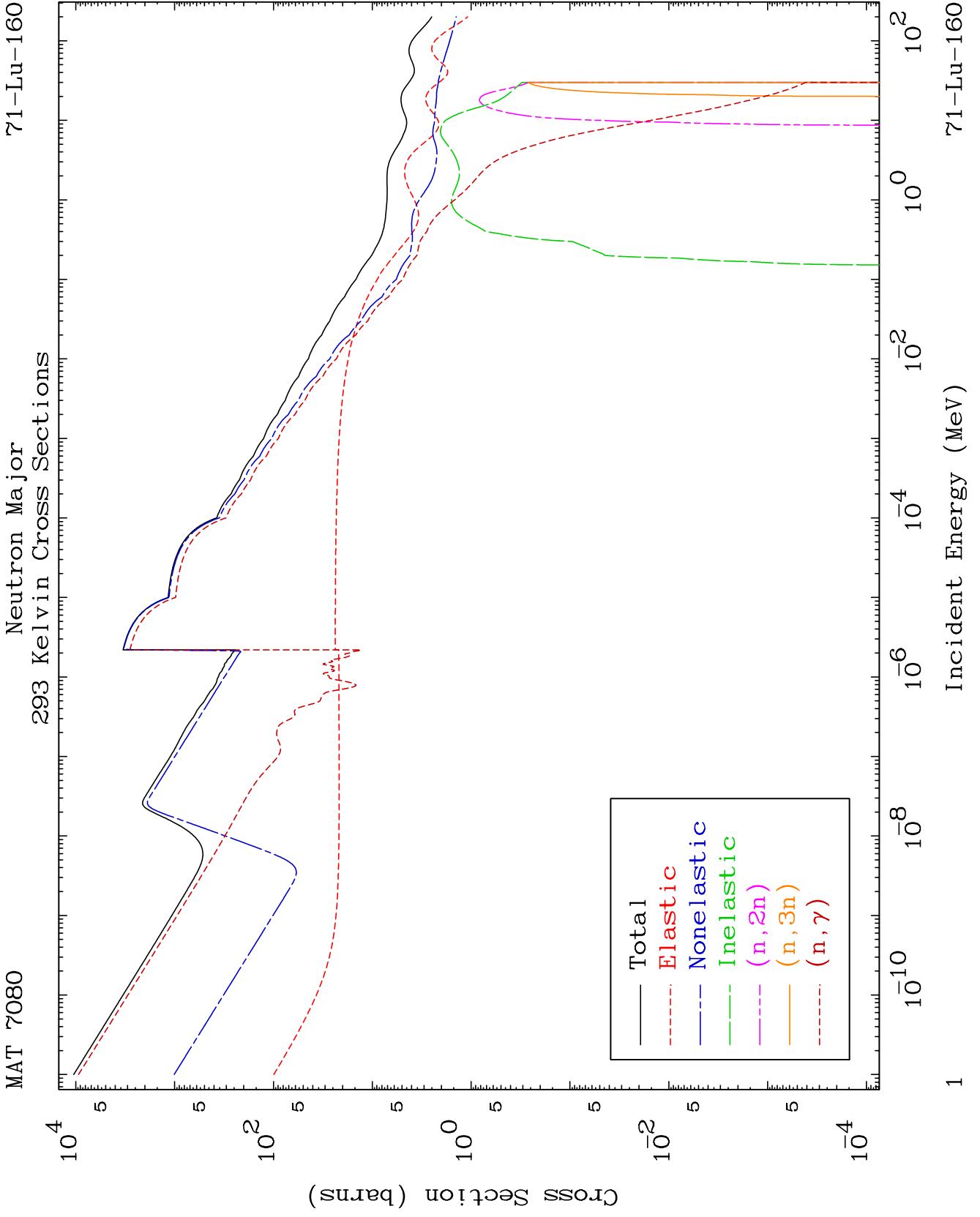
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

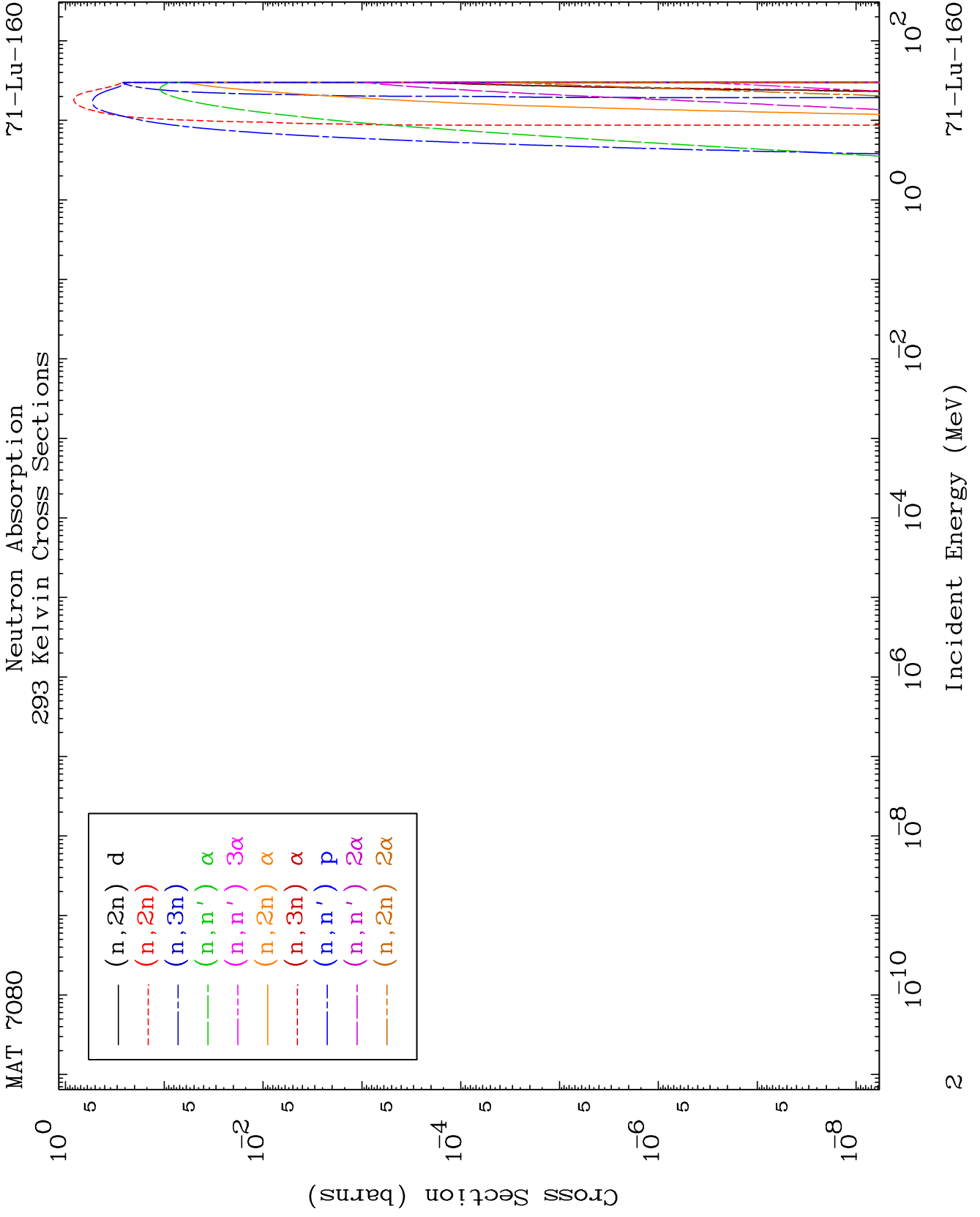
Tele: 925-443-1911

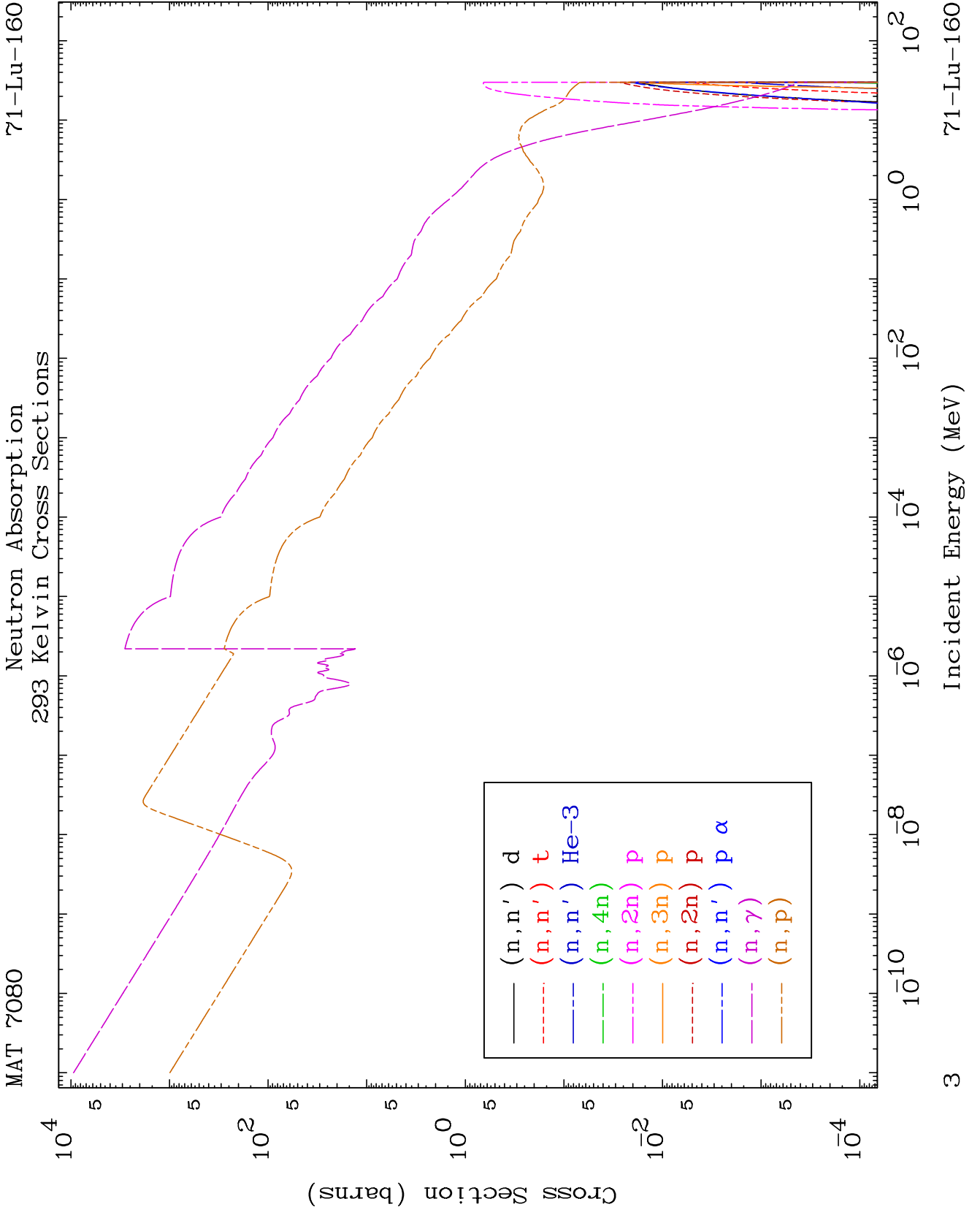
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



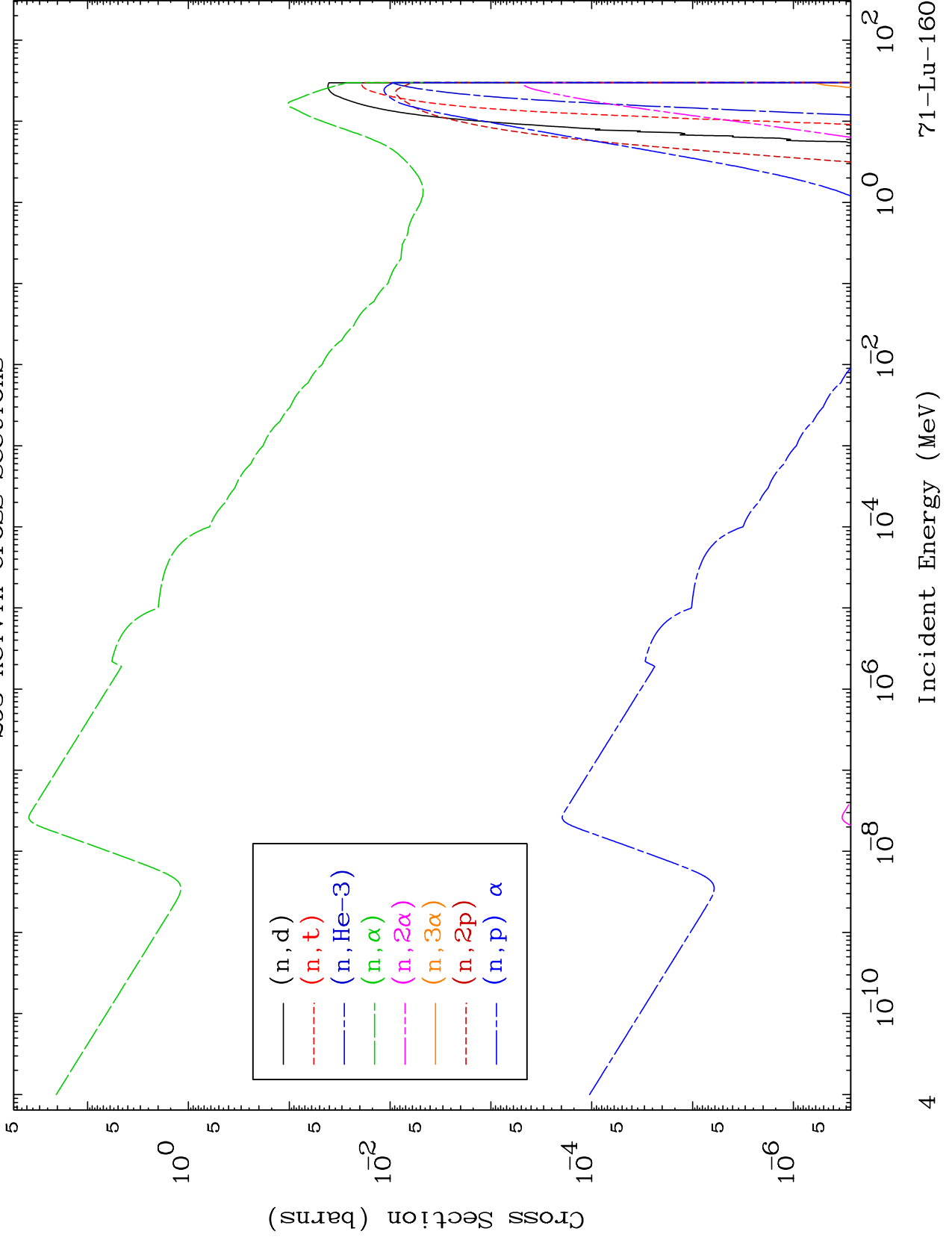




MAT 7080

Neutron Absorption
293 Kelvin Cross Sections

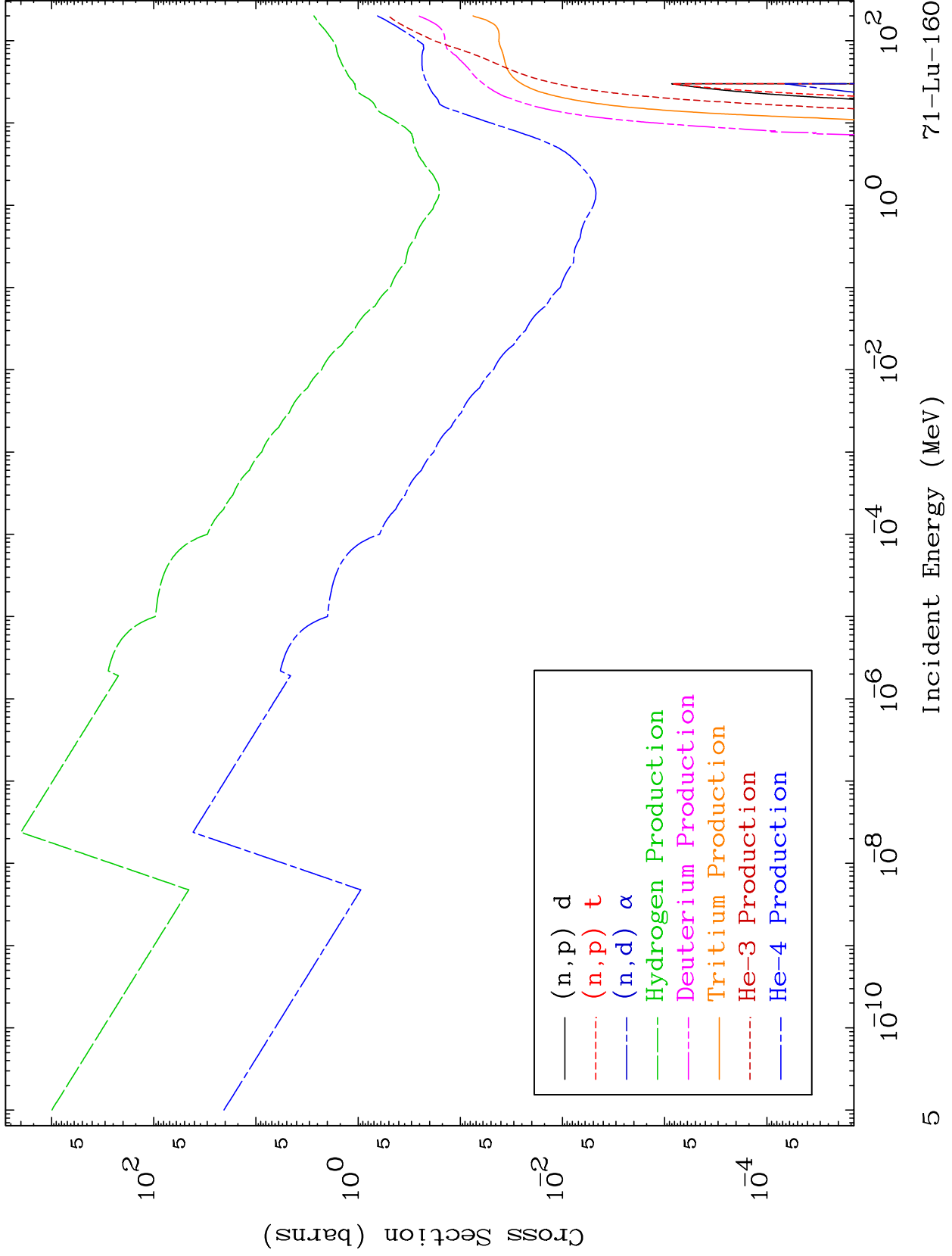
71-Lu-160



MAT 7080

Neutron Absorption
293 Kelvin Cross Sections

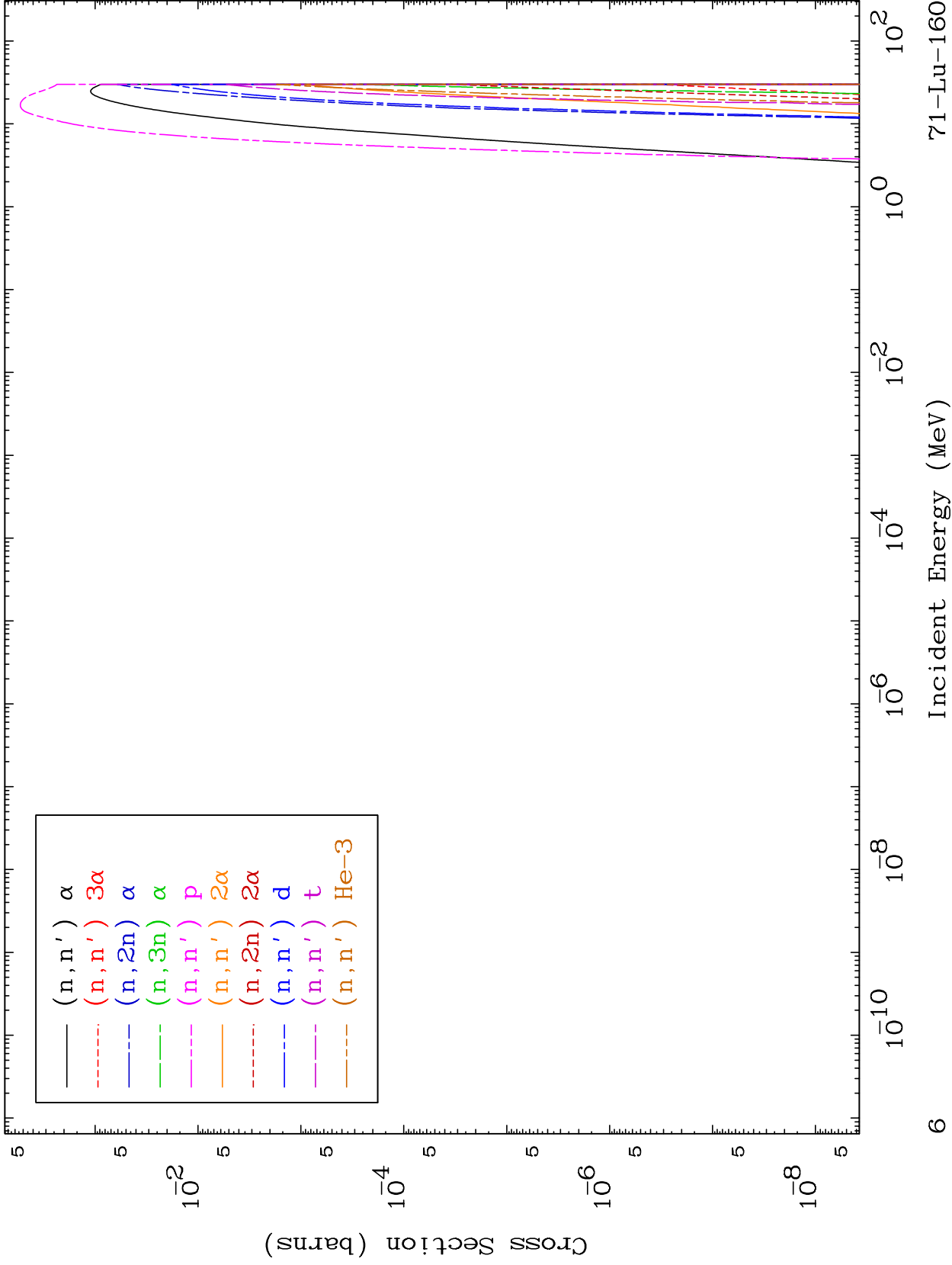
71-Lu-160



MAT 7080

Charged Particle
293 Kelvin Cross Sections

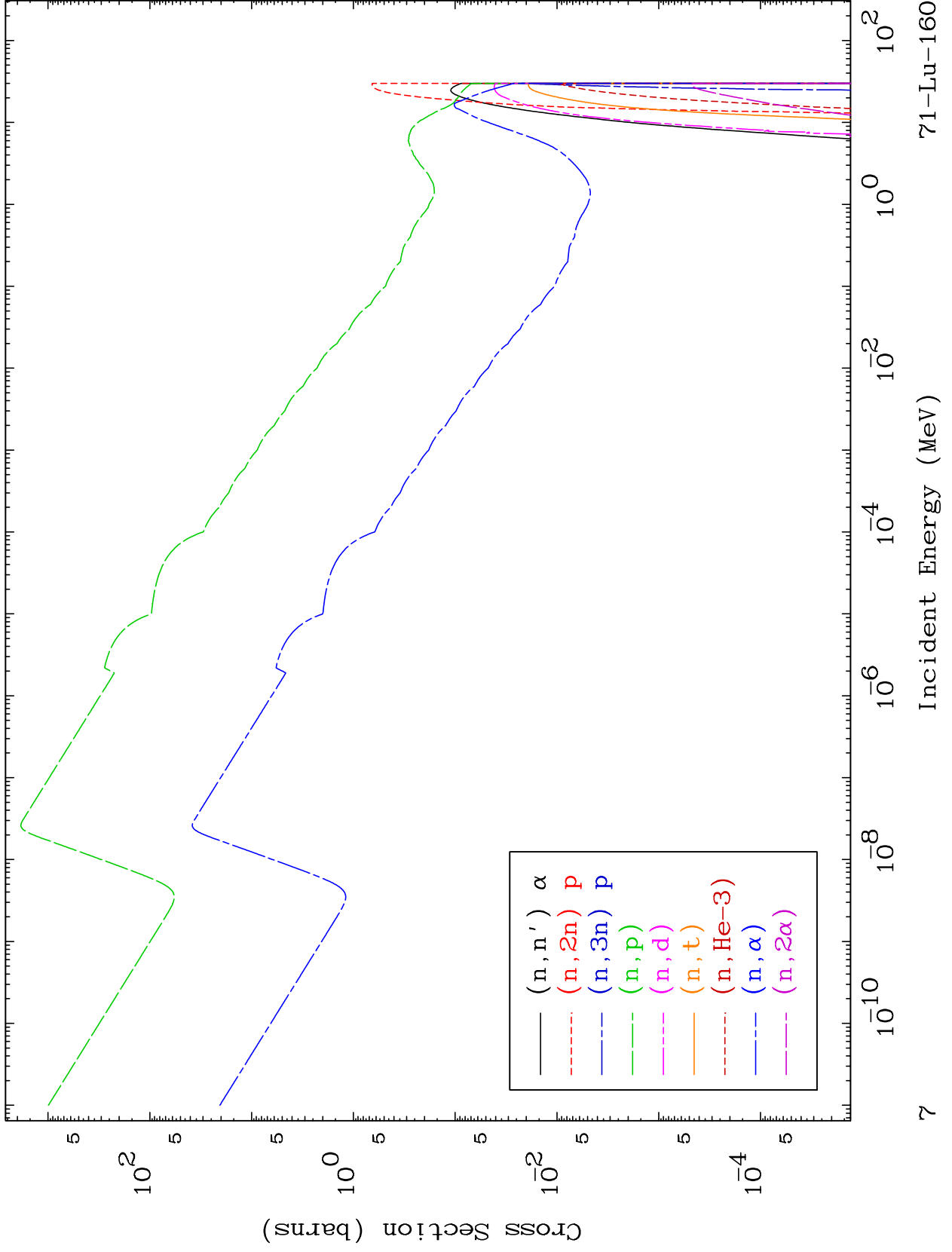
71-Lu-160



MAT 7080

Charged Particle
293 Kelvin Cross Sections

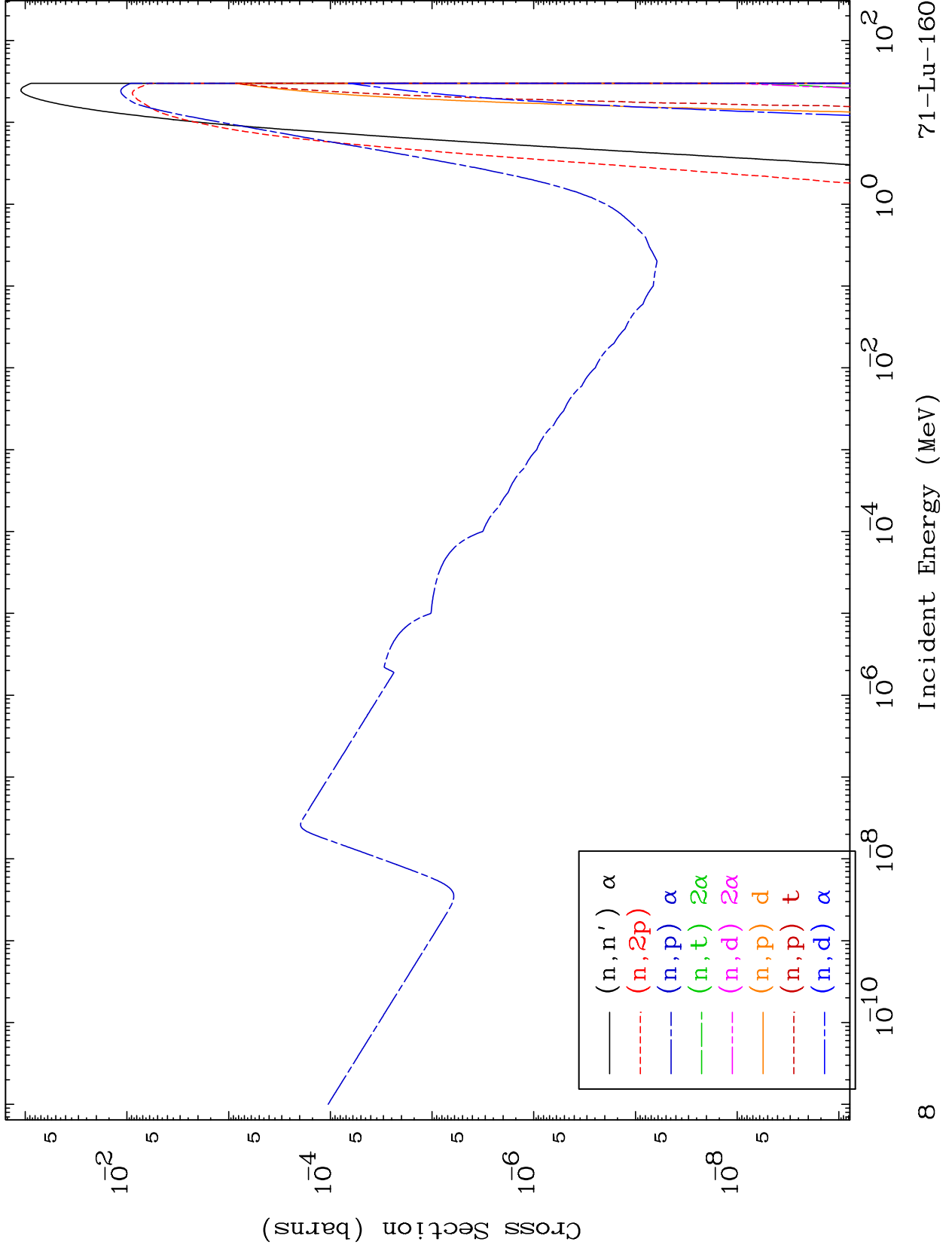
71-Lu-160



MAT 7080

Charged Particle
293 Kelvin Cross Sections

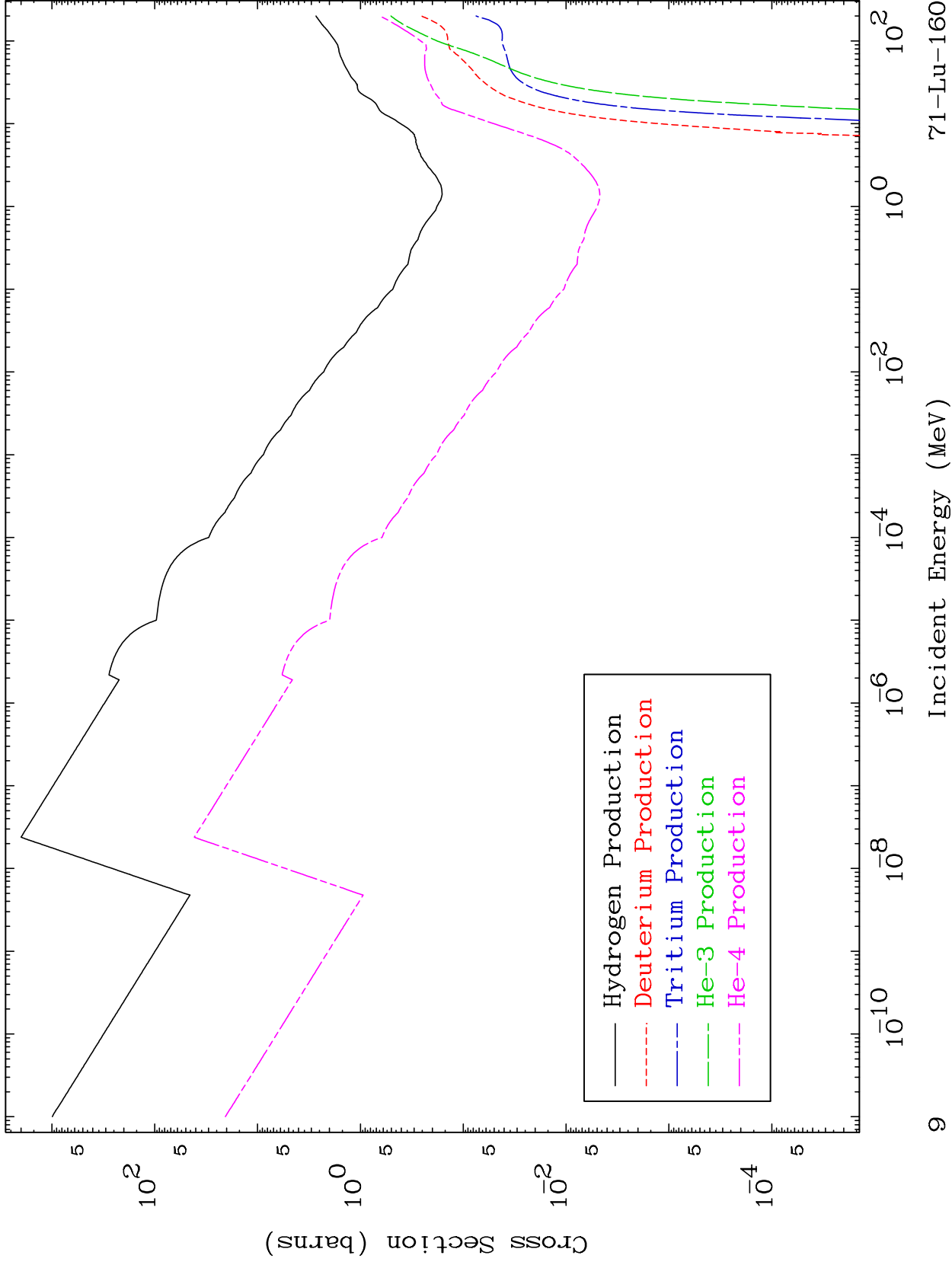
71-Lu-160



MAT 7080

Particle Production
293 Kelvin Cross Sections

71-Lu-160

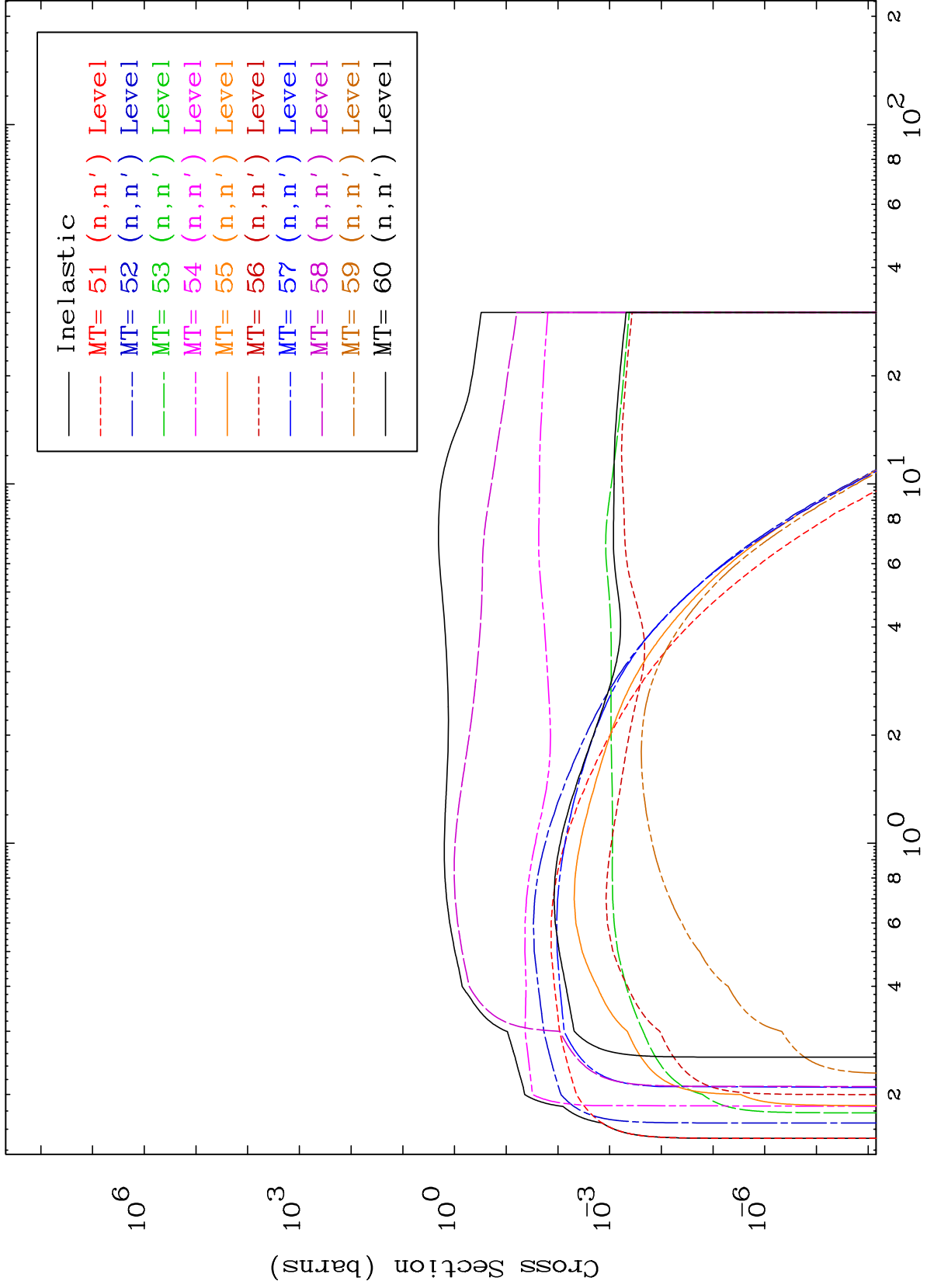


MAT 7080

(n,n') Levels

293 Kelvin Cross Sections

71-Lu-160



10

Incident Energy (MeV)

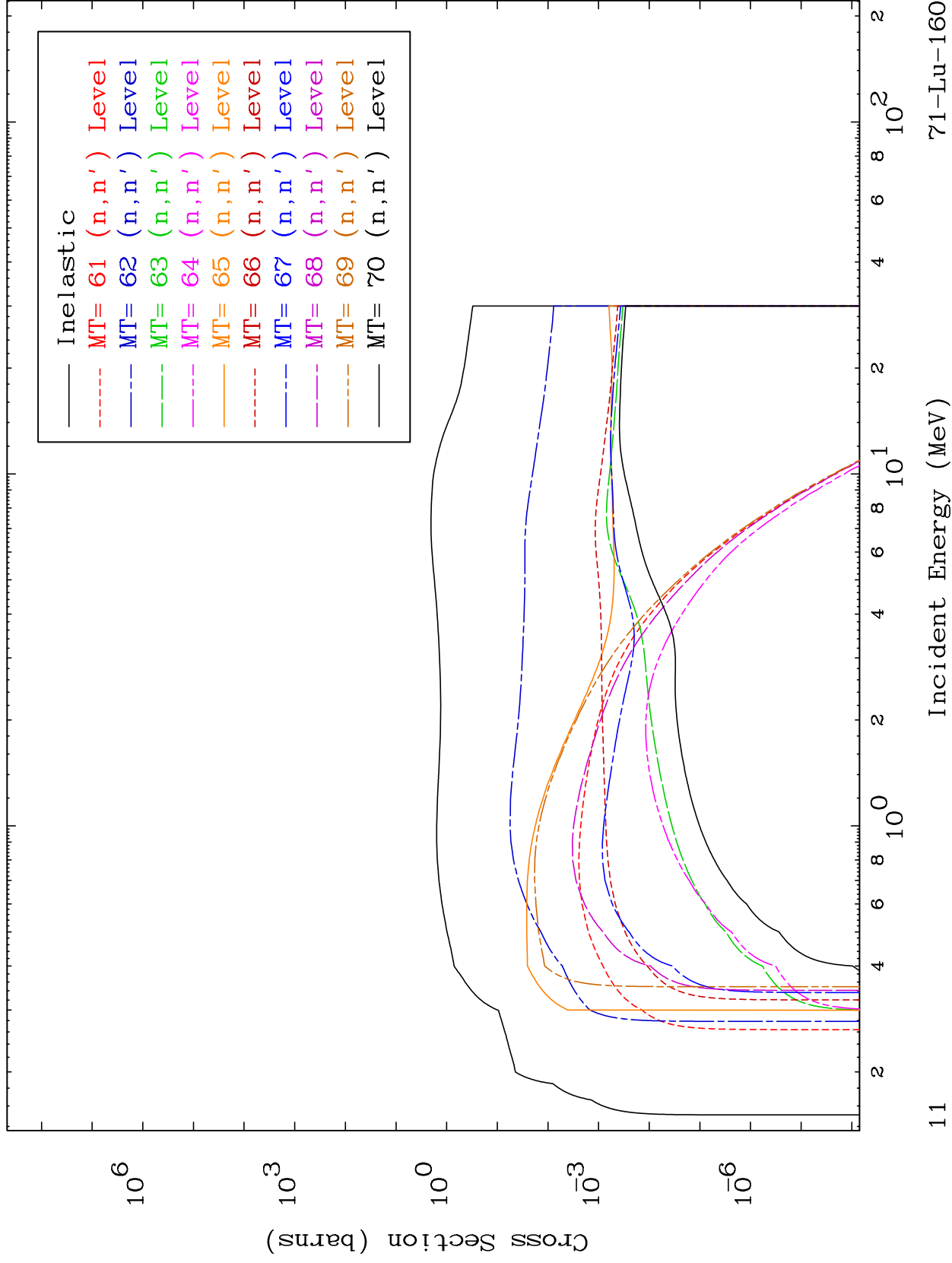
71-Lu-160

MAT 7080

(n,n') Levels

293 Kelvin Cross Sections

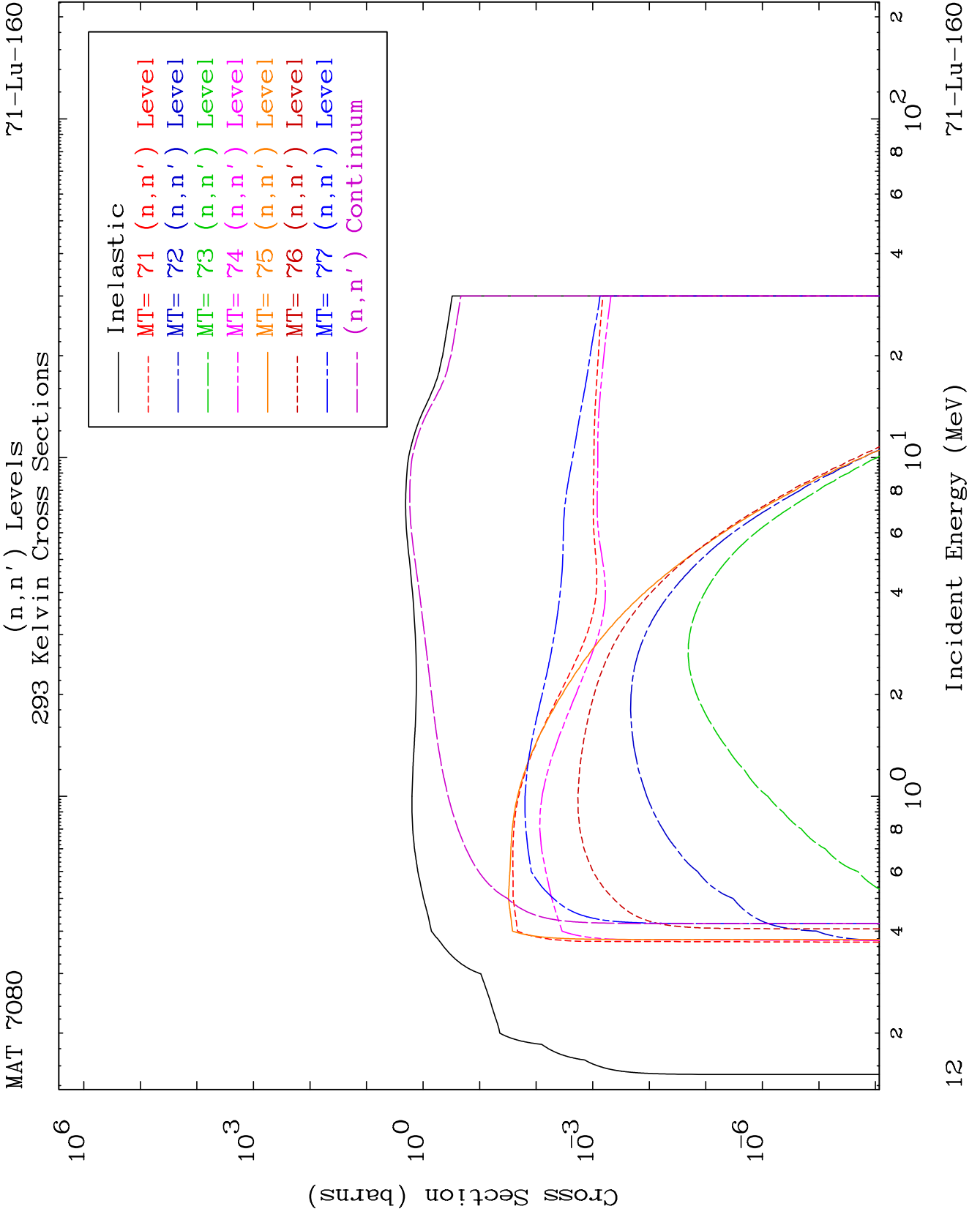
71-Lu-160



11

Incident Energy (MeV)

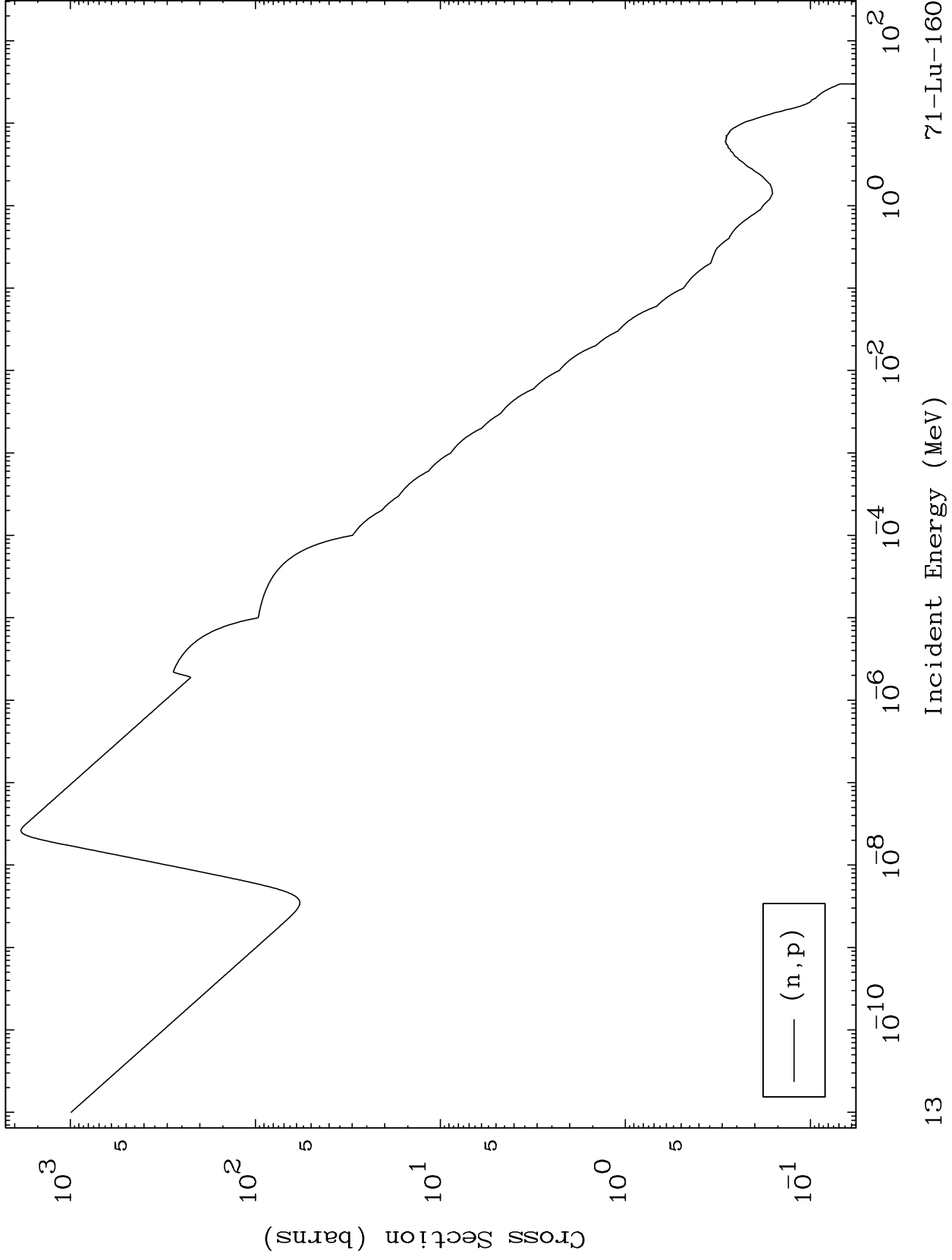
71-Lu-160



MAT 7080

(n,p) Levels
293 Kelvin Cross Sections

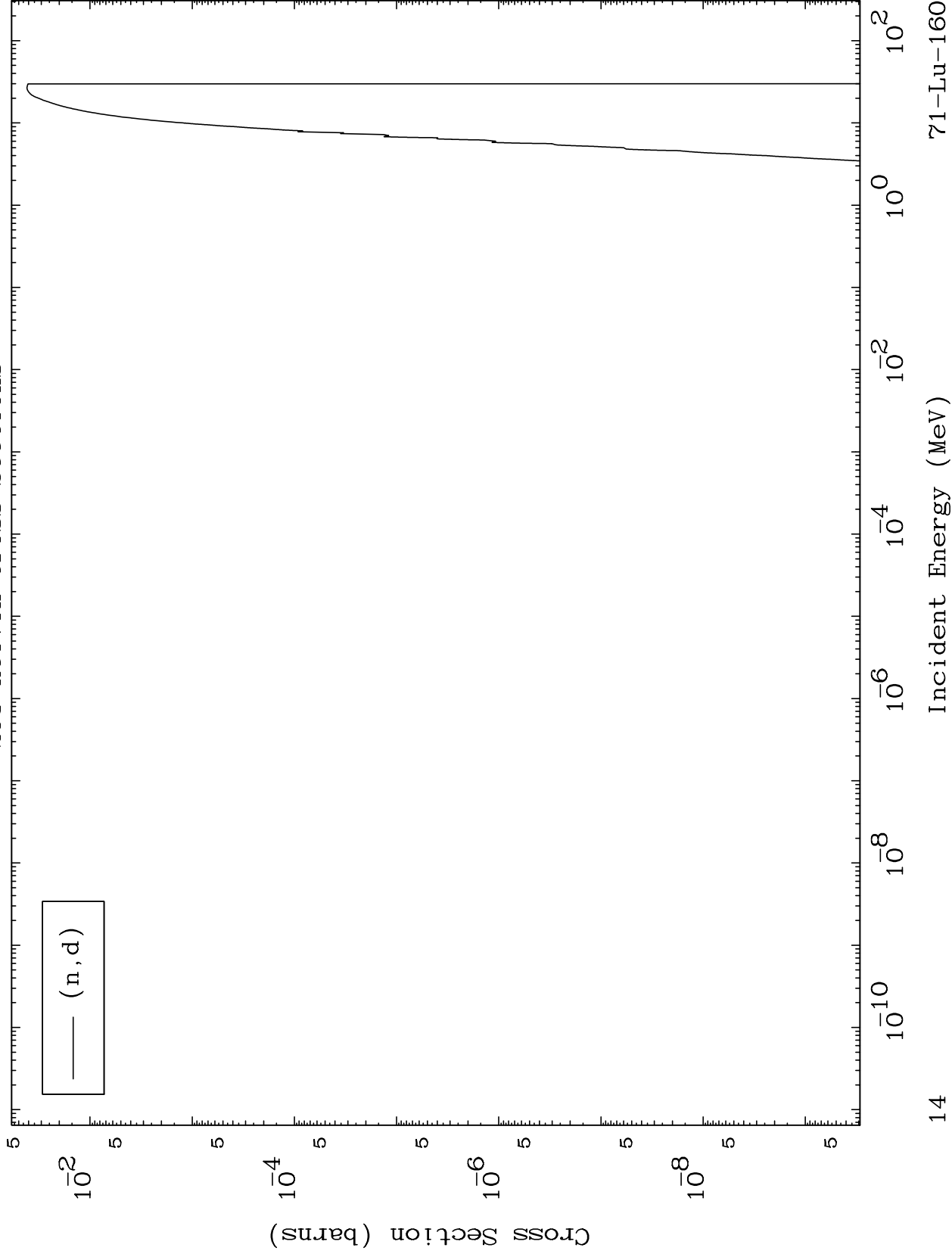
71-Lu-160



MAT 7080

(n,d) Levels
293 Kelvin Cross Sections

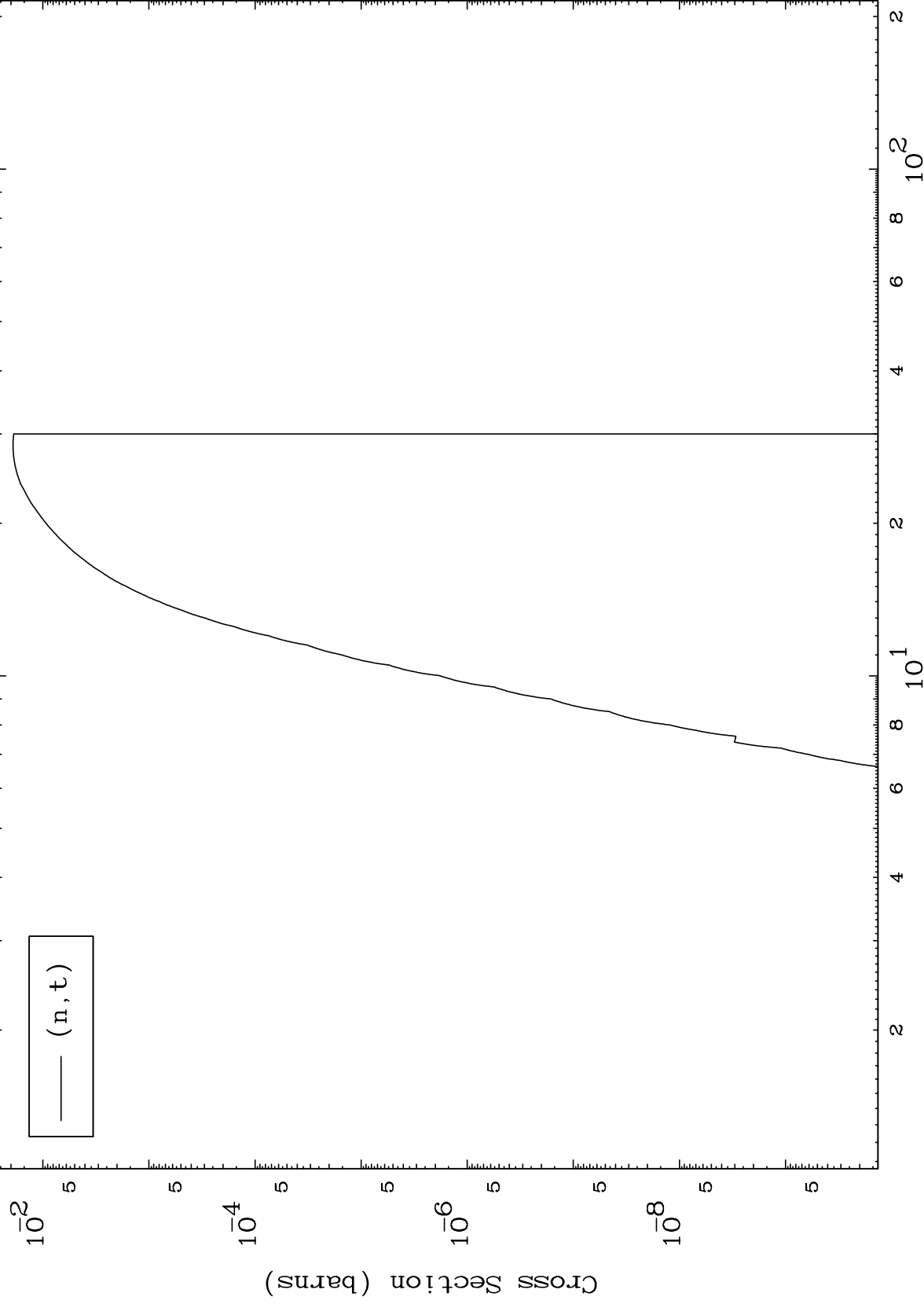
71-Lu-160



MAT 7080

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-160



15

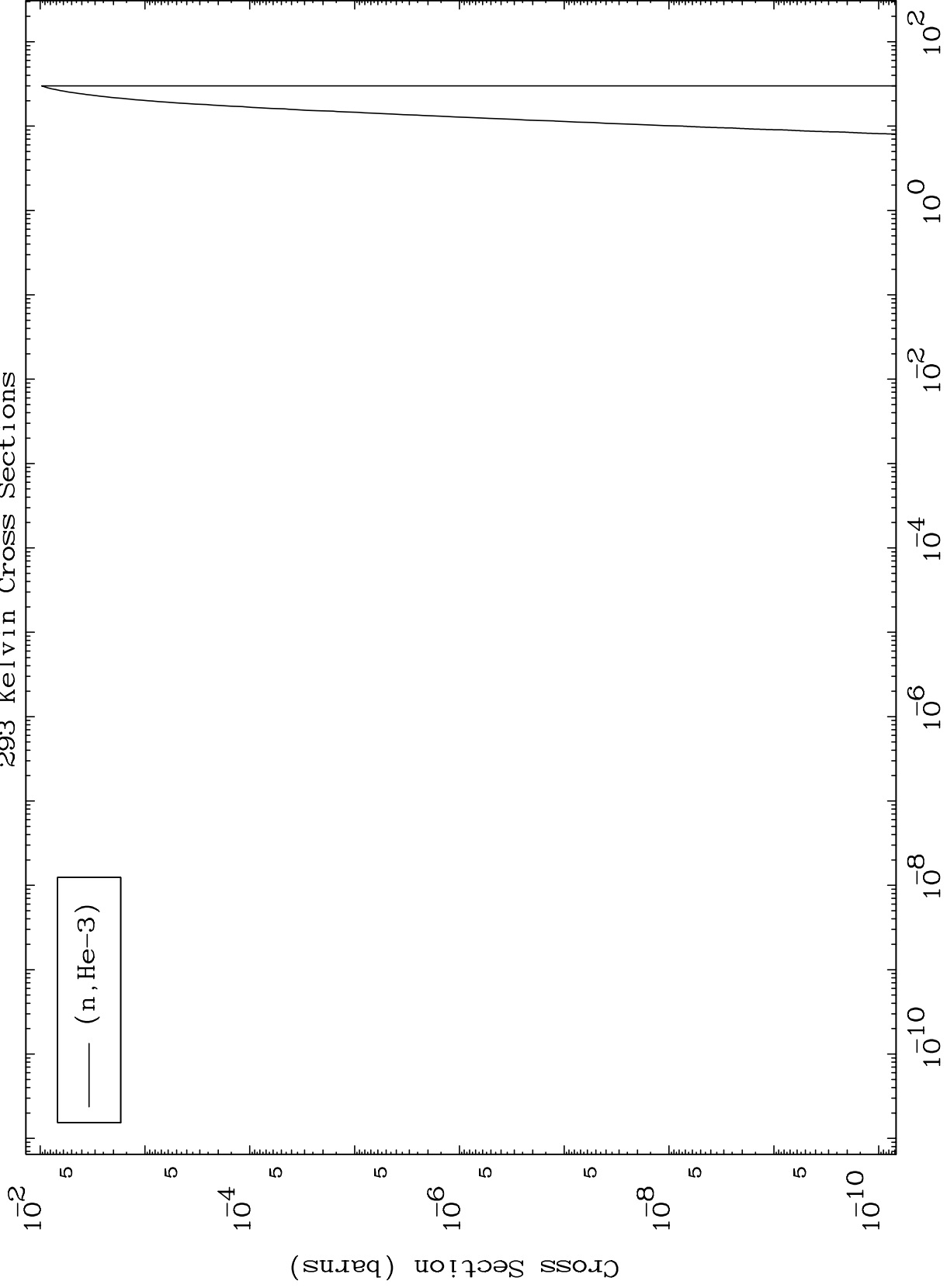
Incident Energy (MeV)

71-Lu-160

MAT 7080

(n,He3) Levels
293 Kelvin Cross Sections

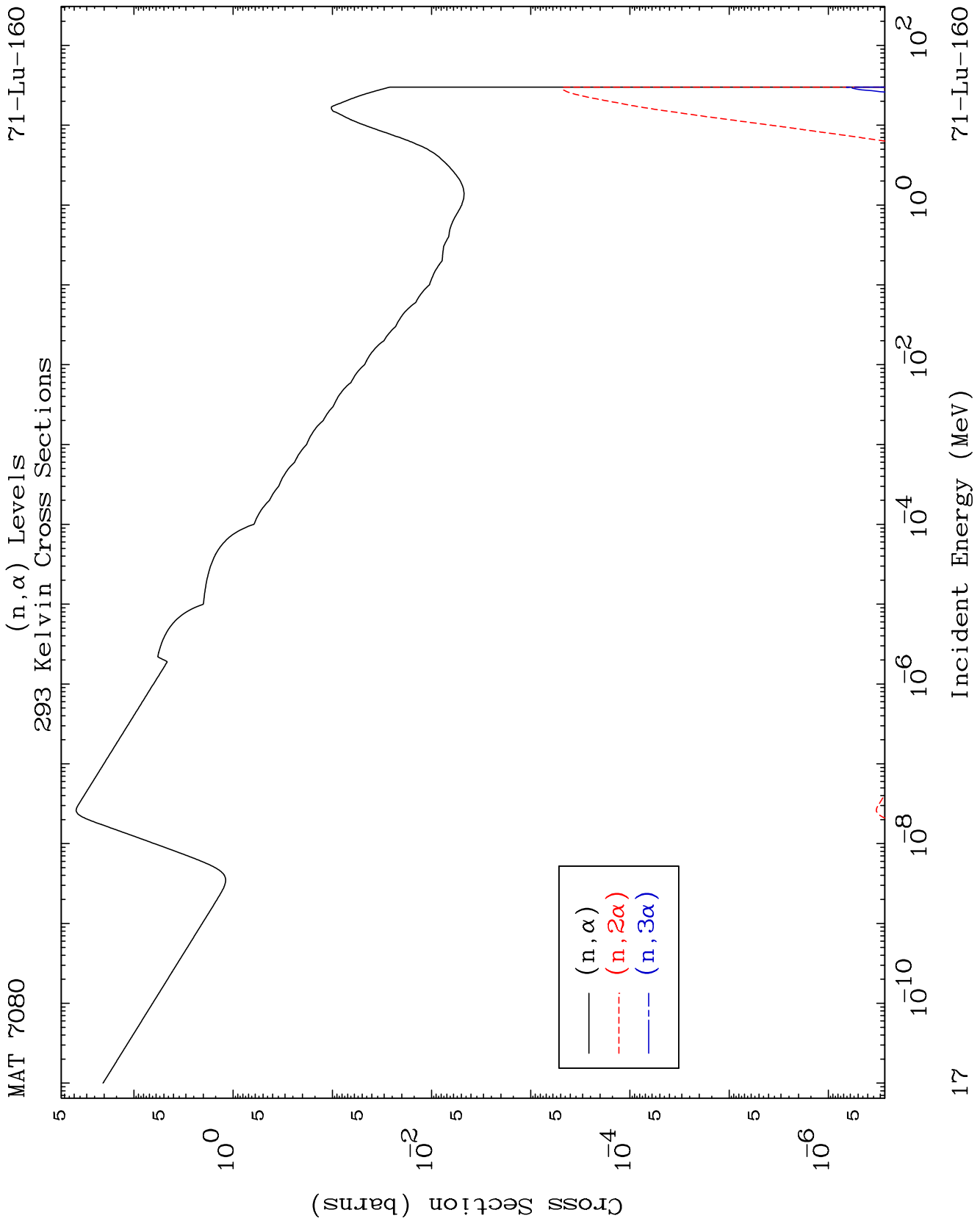
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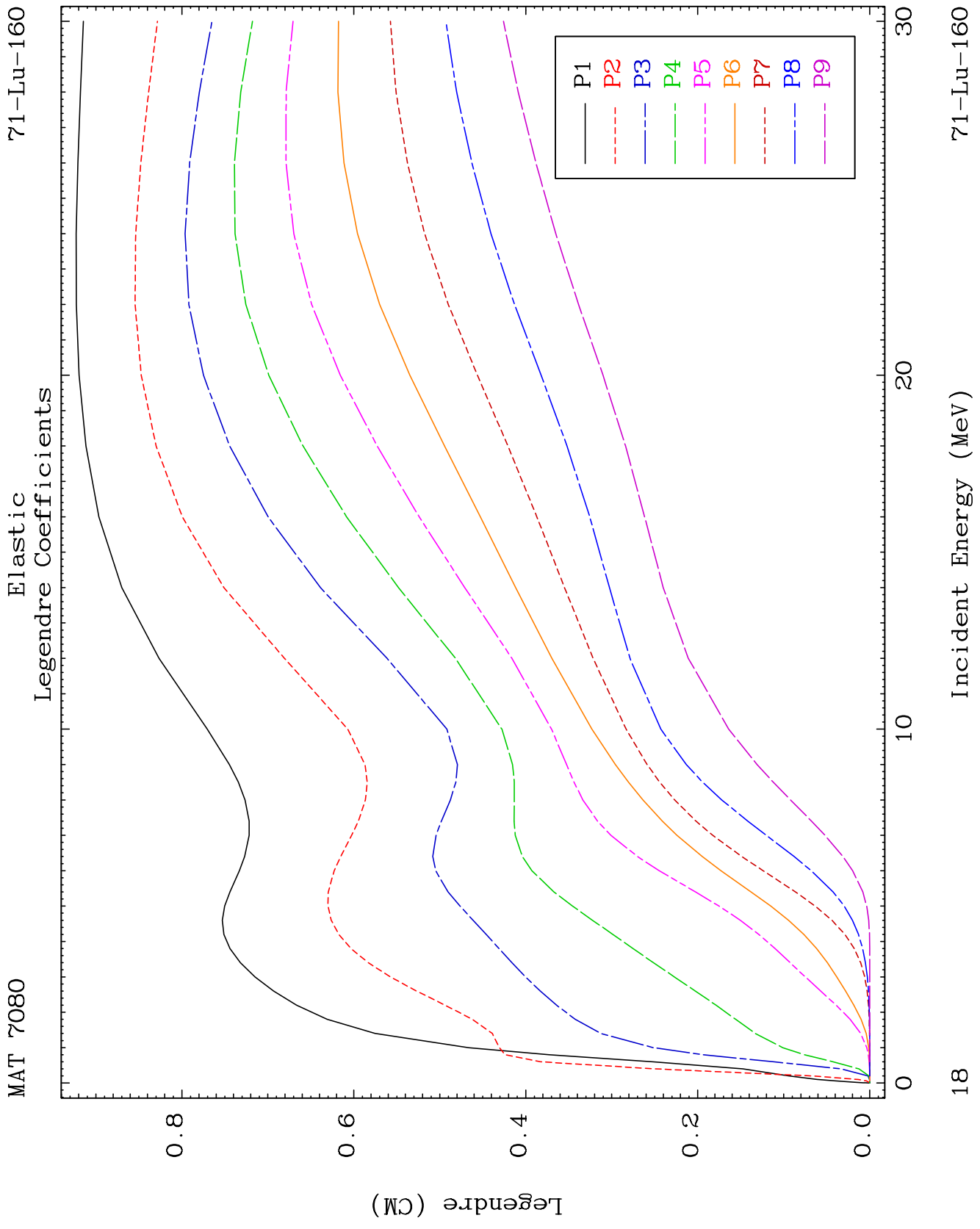


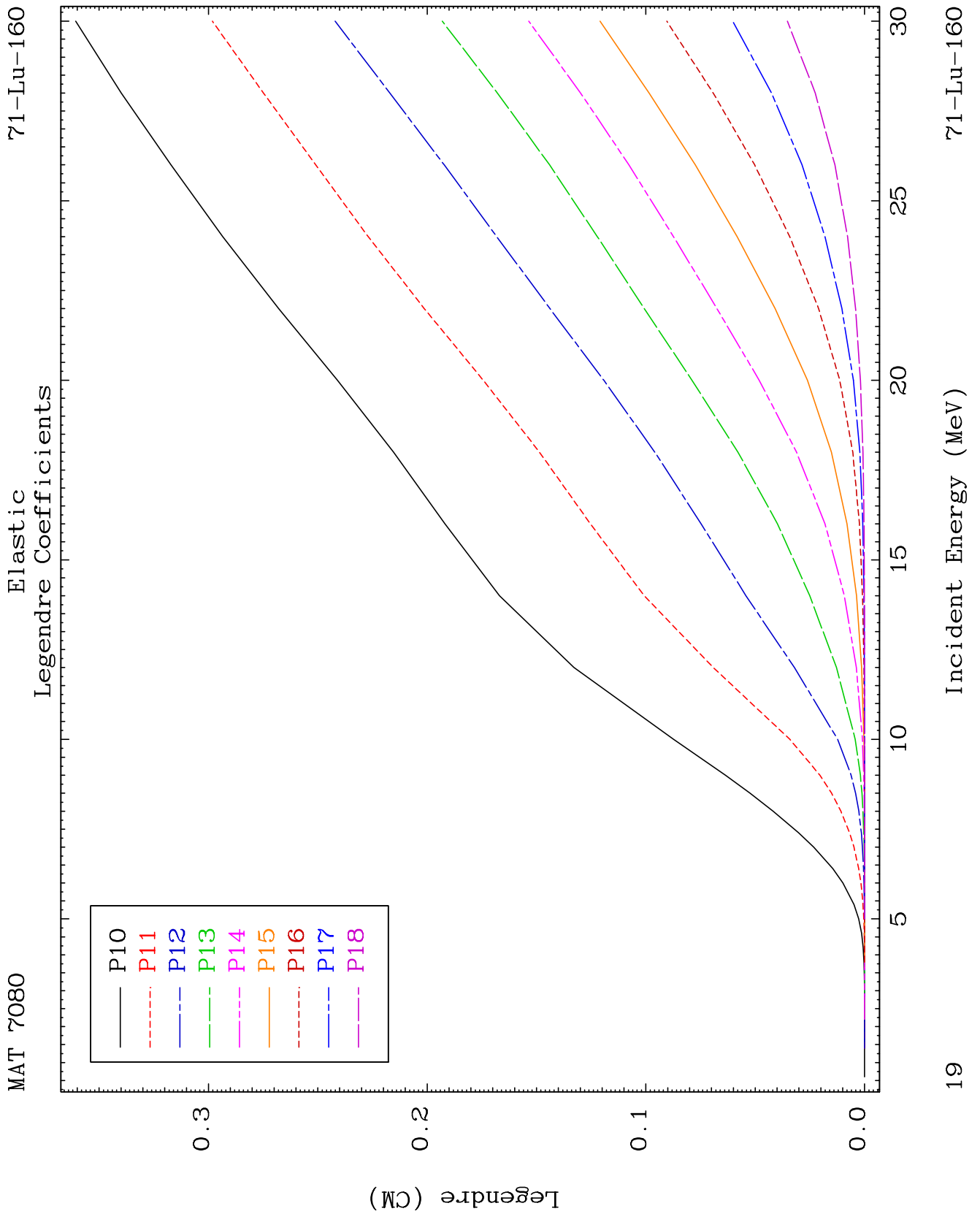
16

Incident Energy (MeV)

71-Lu-160



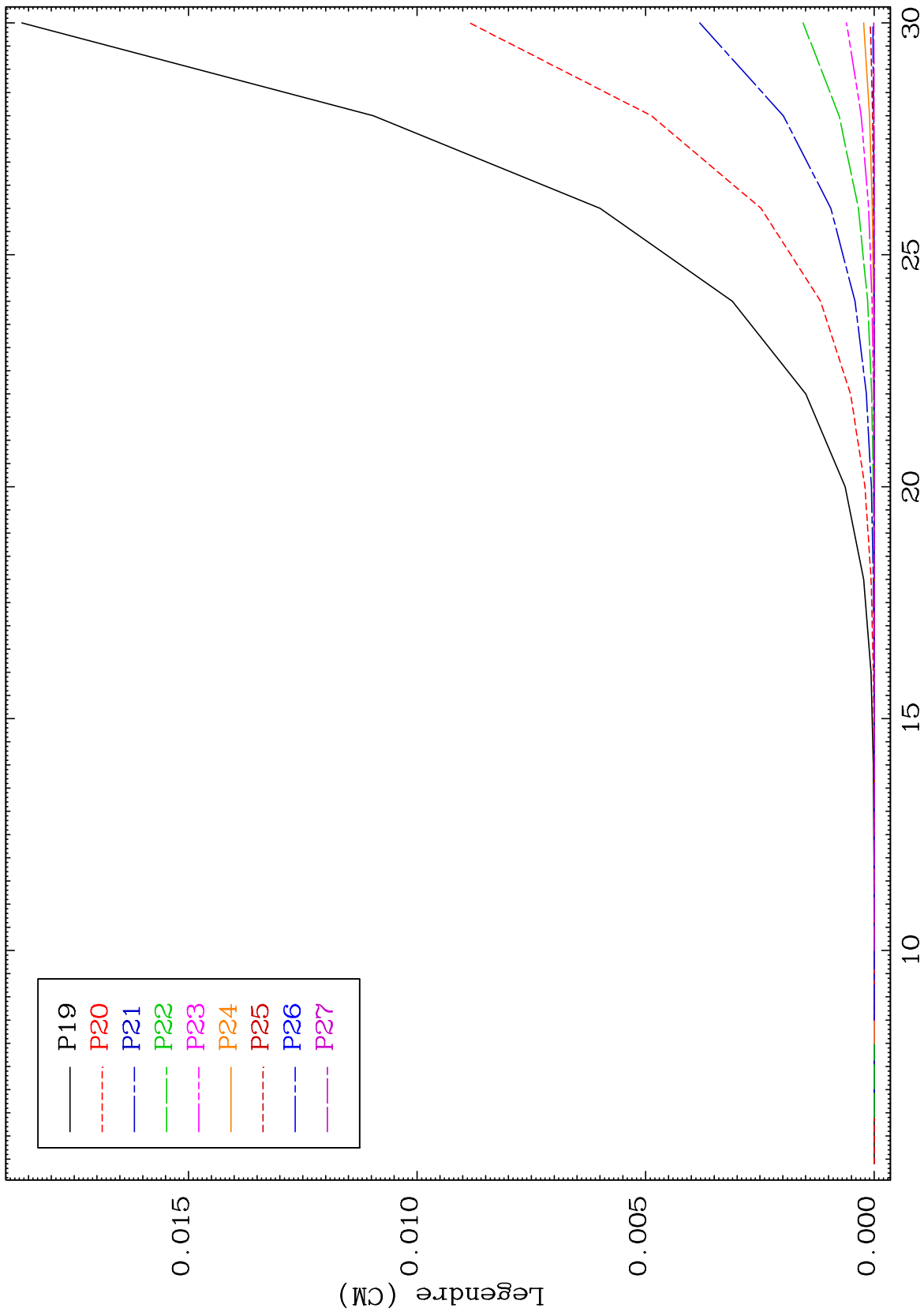




MAT 7080

Elastic Legendre Coefficients

⁷¹Lu-160



20

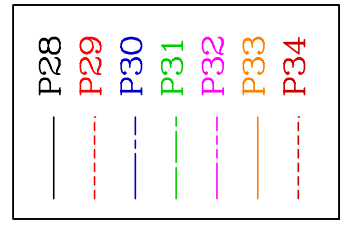
Incident Energy (MeV)

⁷¹Lu-160

MAT 7080

Elastic Legendre Coefficients

⁷¹Lu-160



$\times 10^{-6}$

Legendre (CM)

10

15

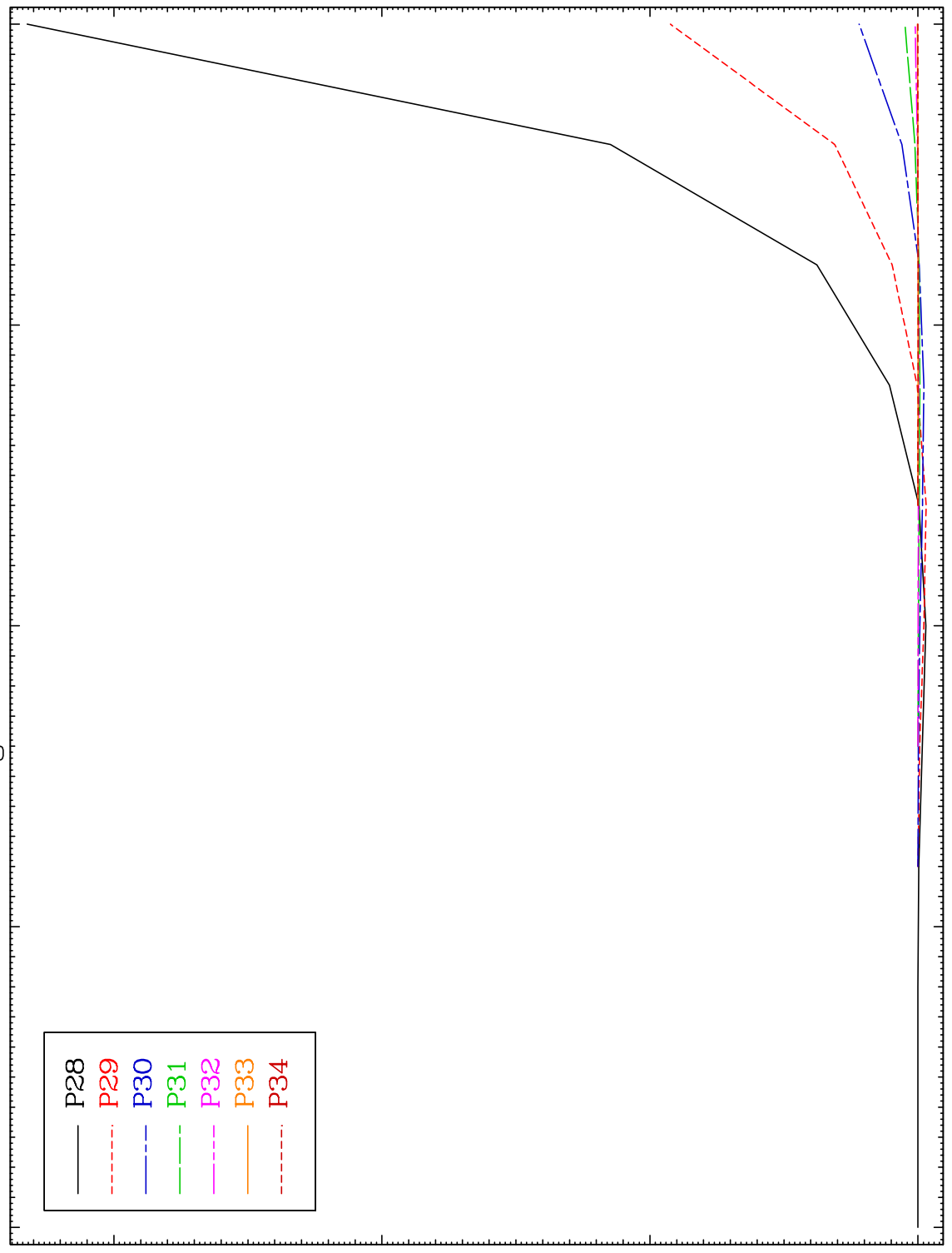
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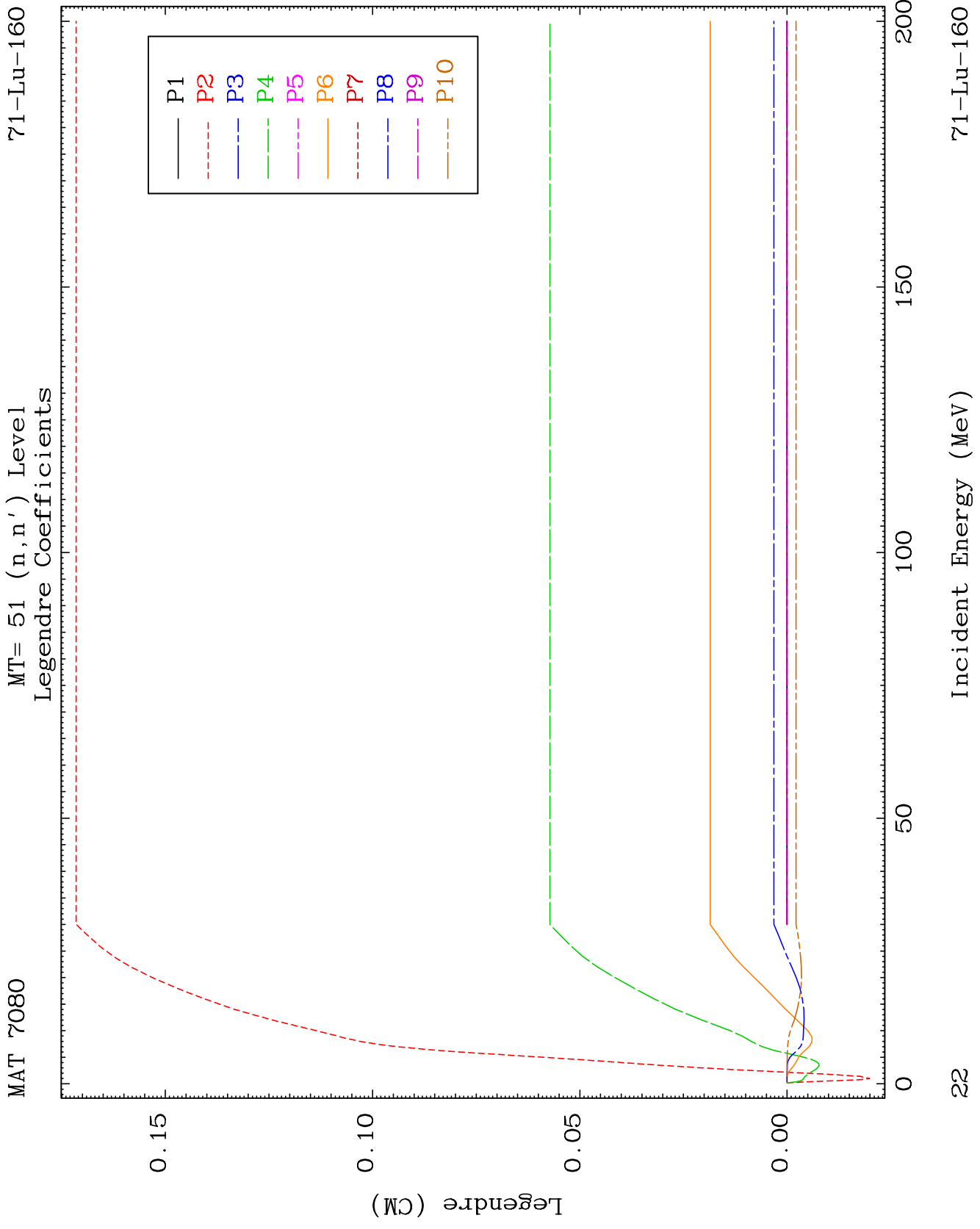
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30

Incident Energy (MeV)

⁷¹Lu-160

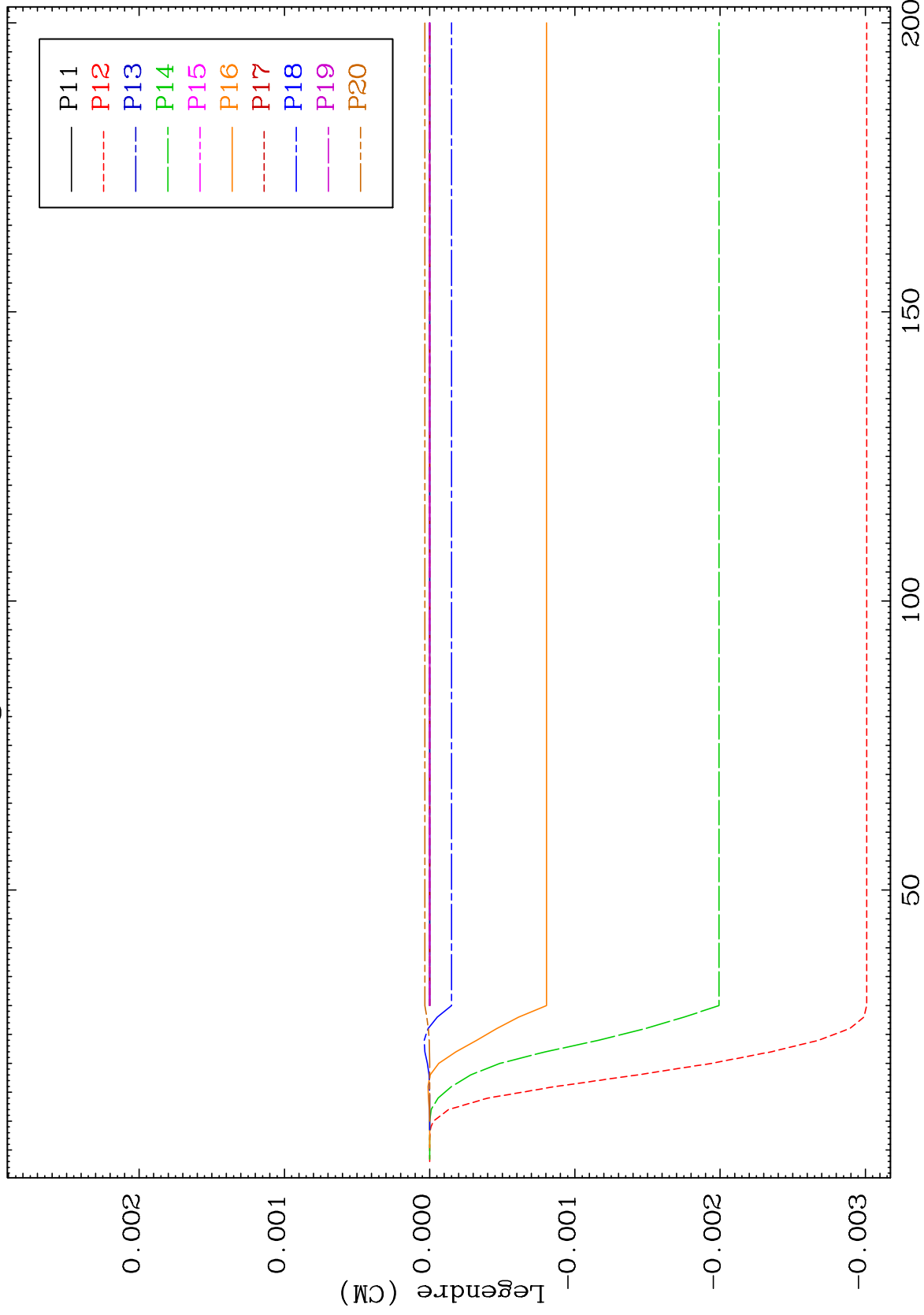




MAT 7080

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

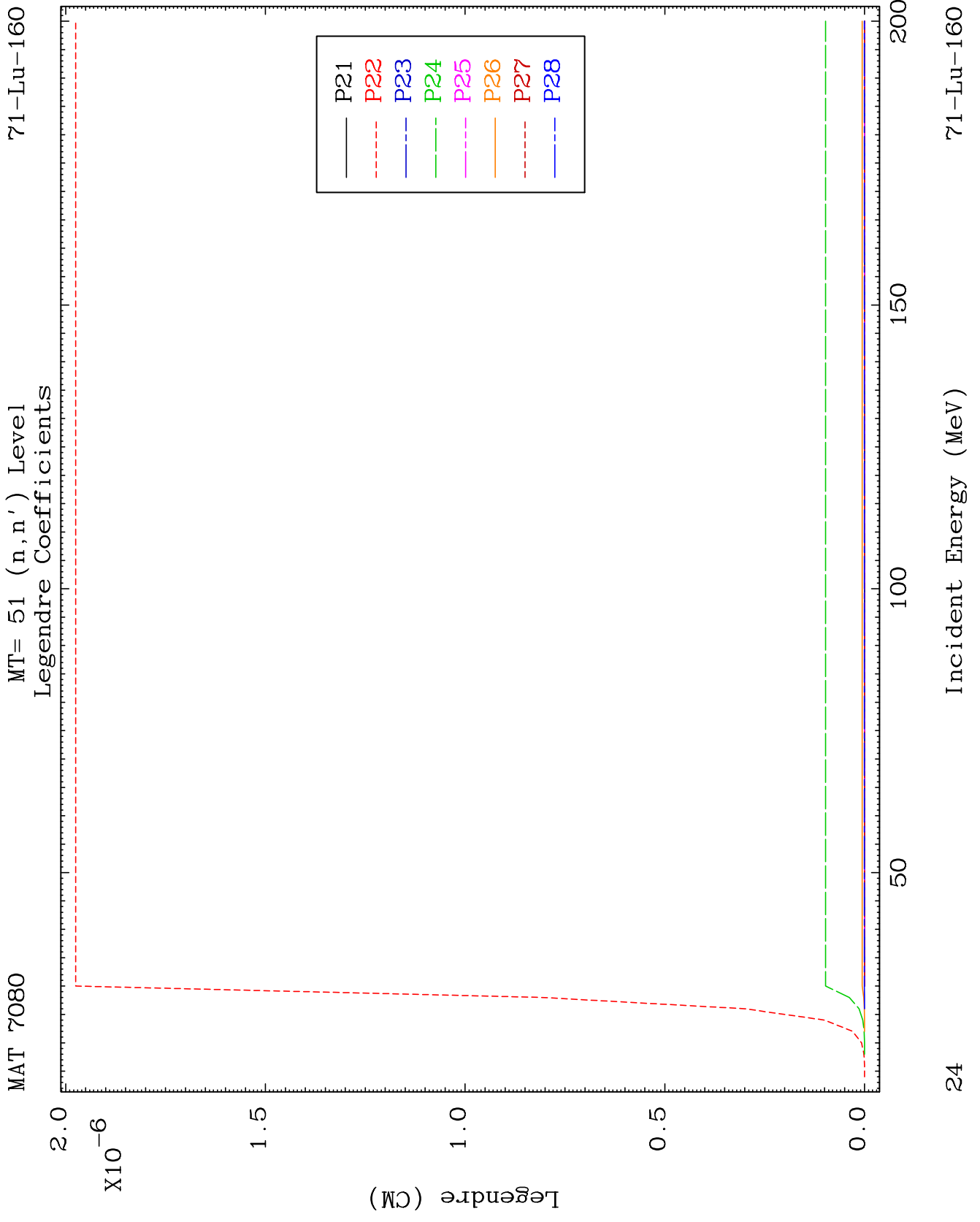
71-Lu-160

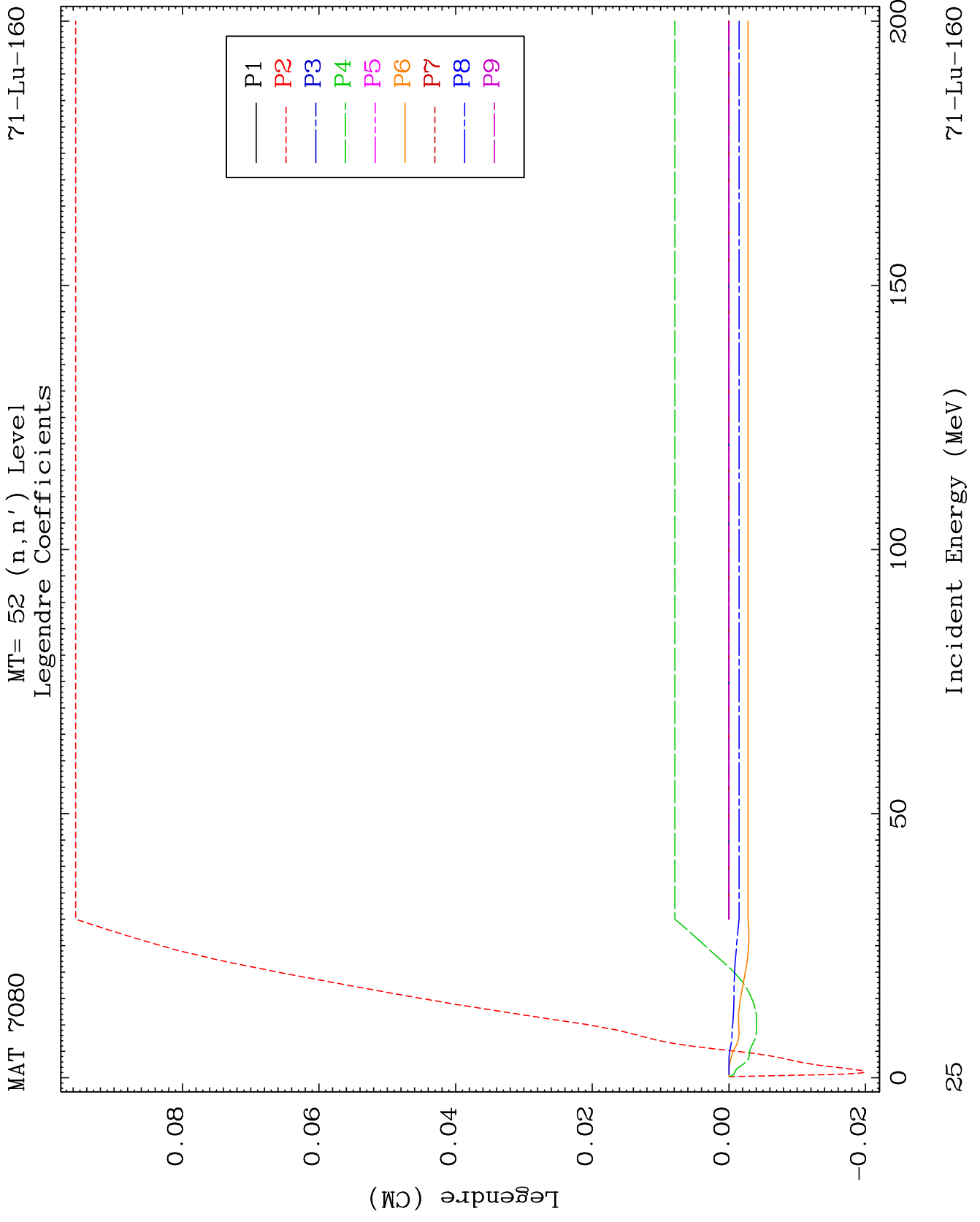


23

Incident Energy (MeV)

71-Lu-160

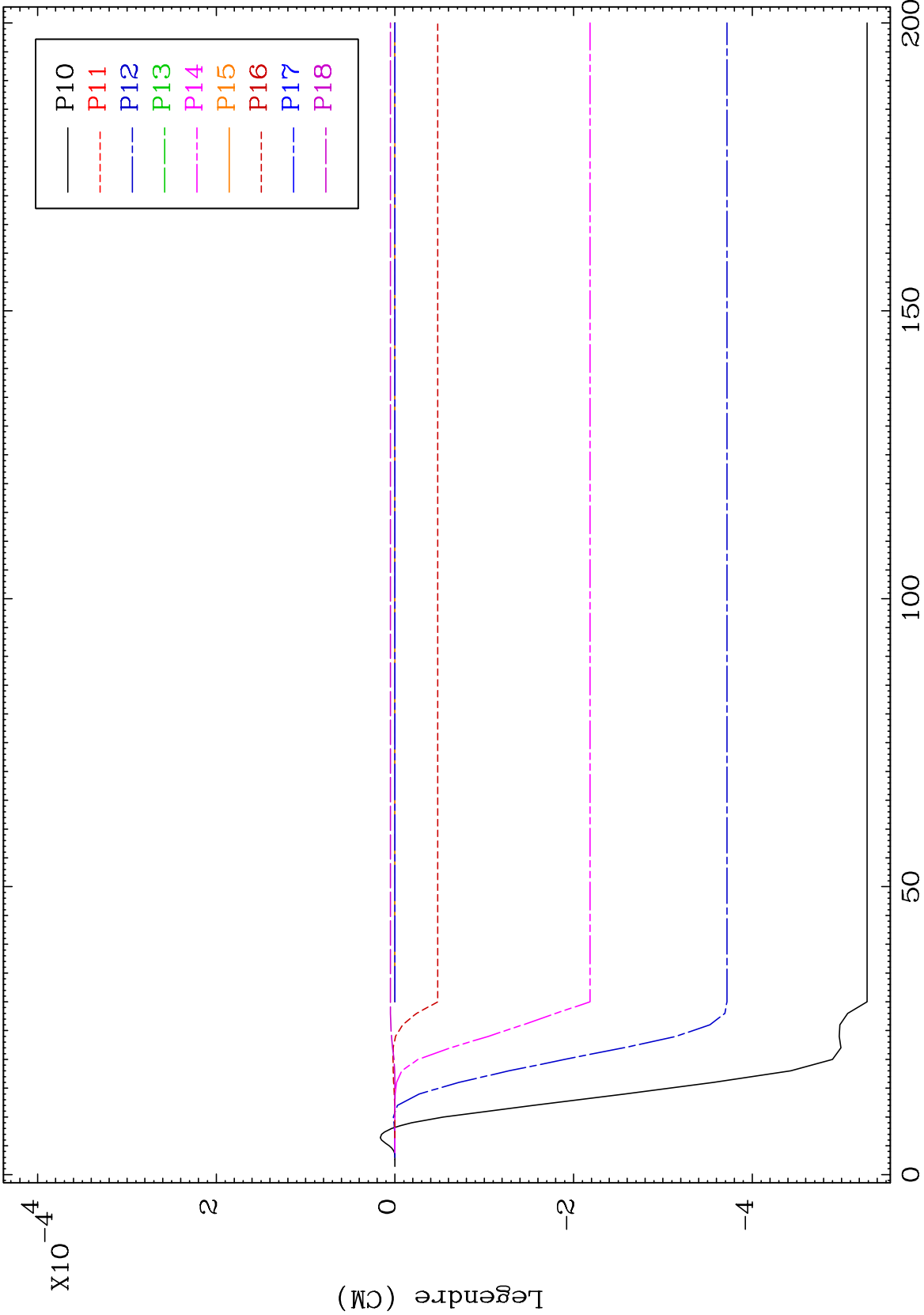




MAT 7080

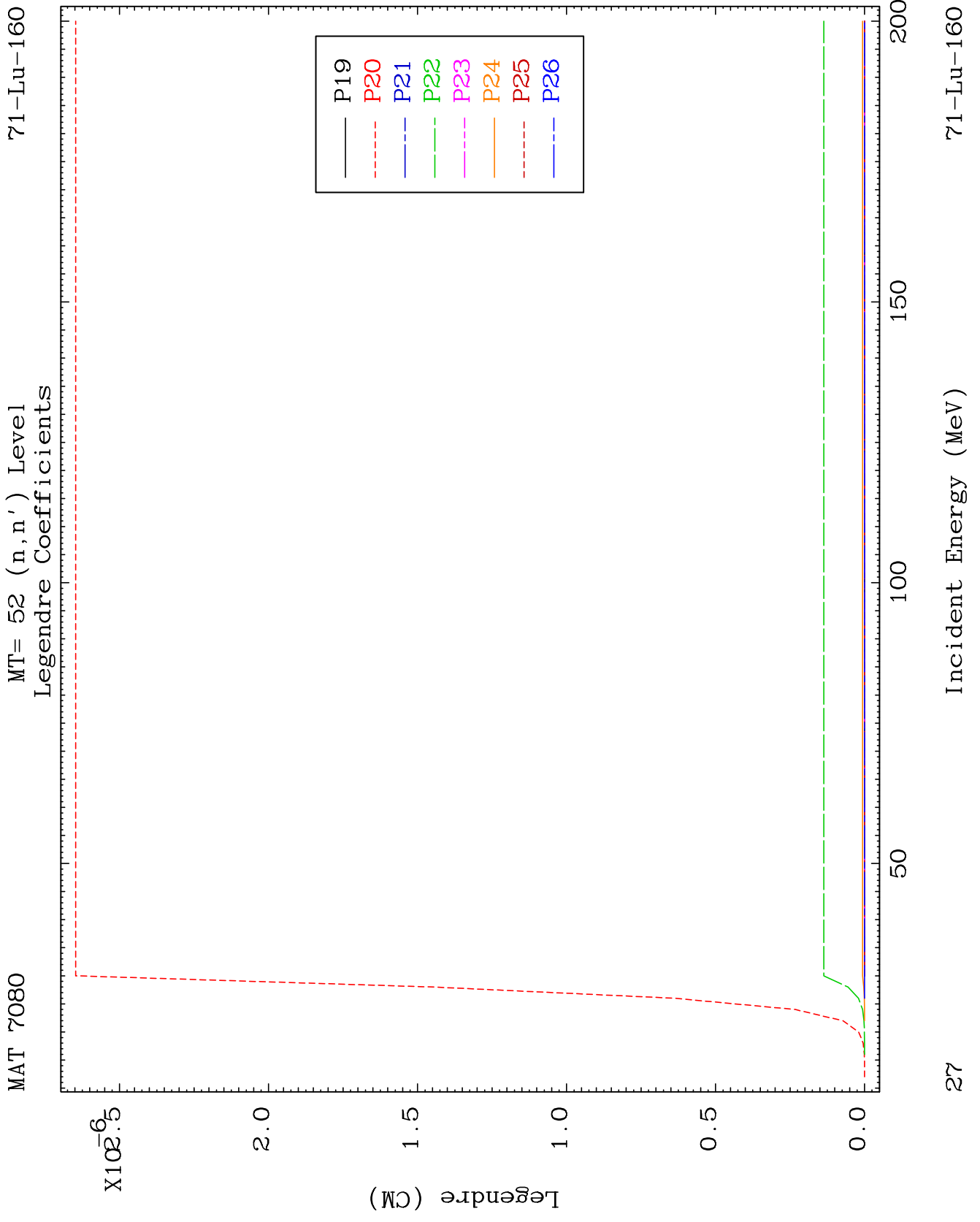
MT= 52 (n,n') Level
Legendre Coefficients

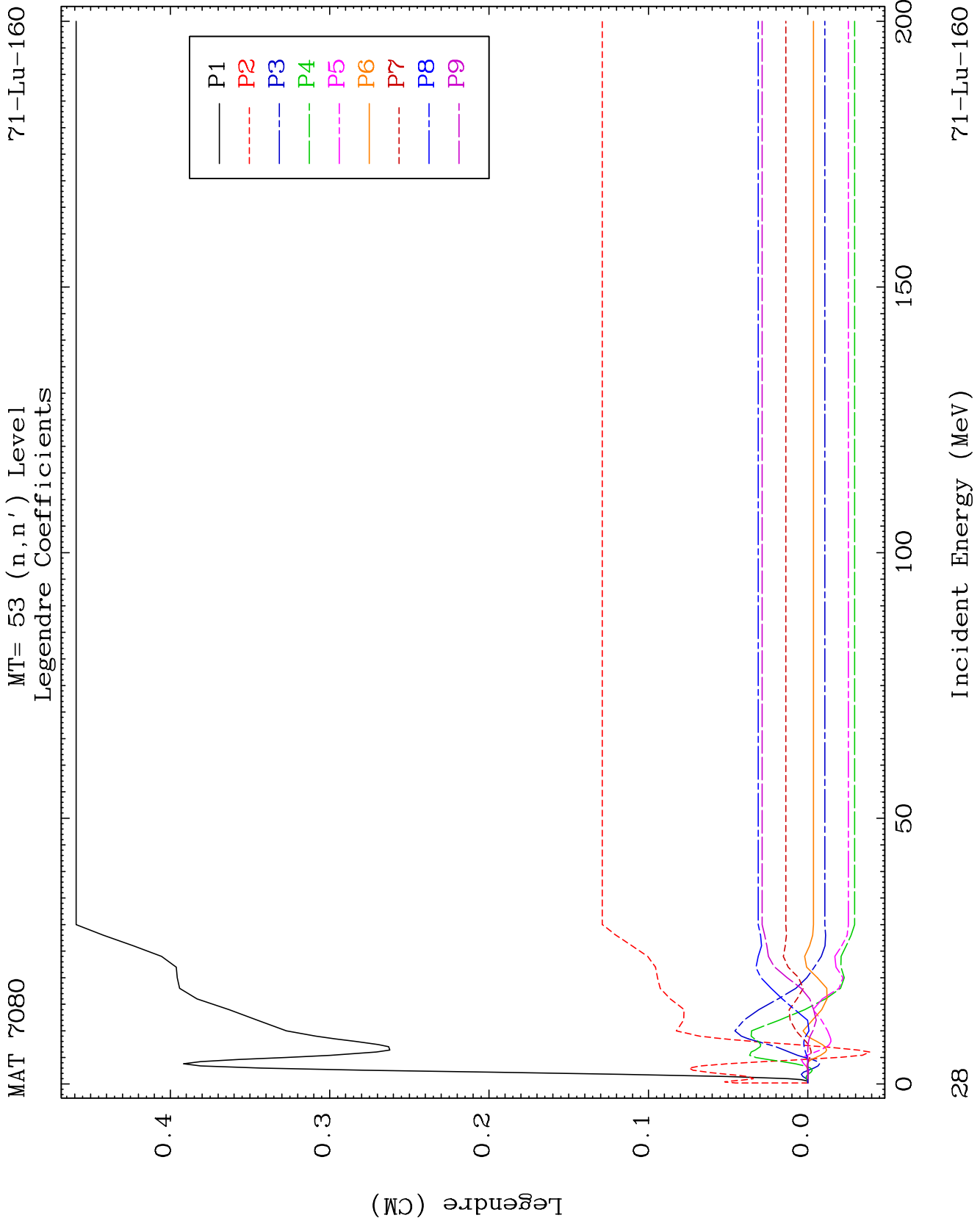
71-Lu-160



26

71-Lu-160

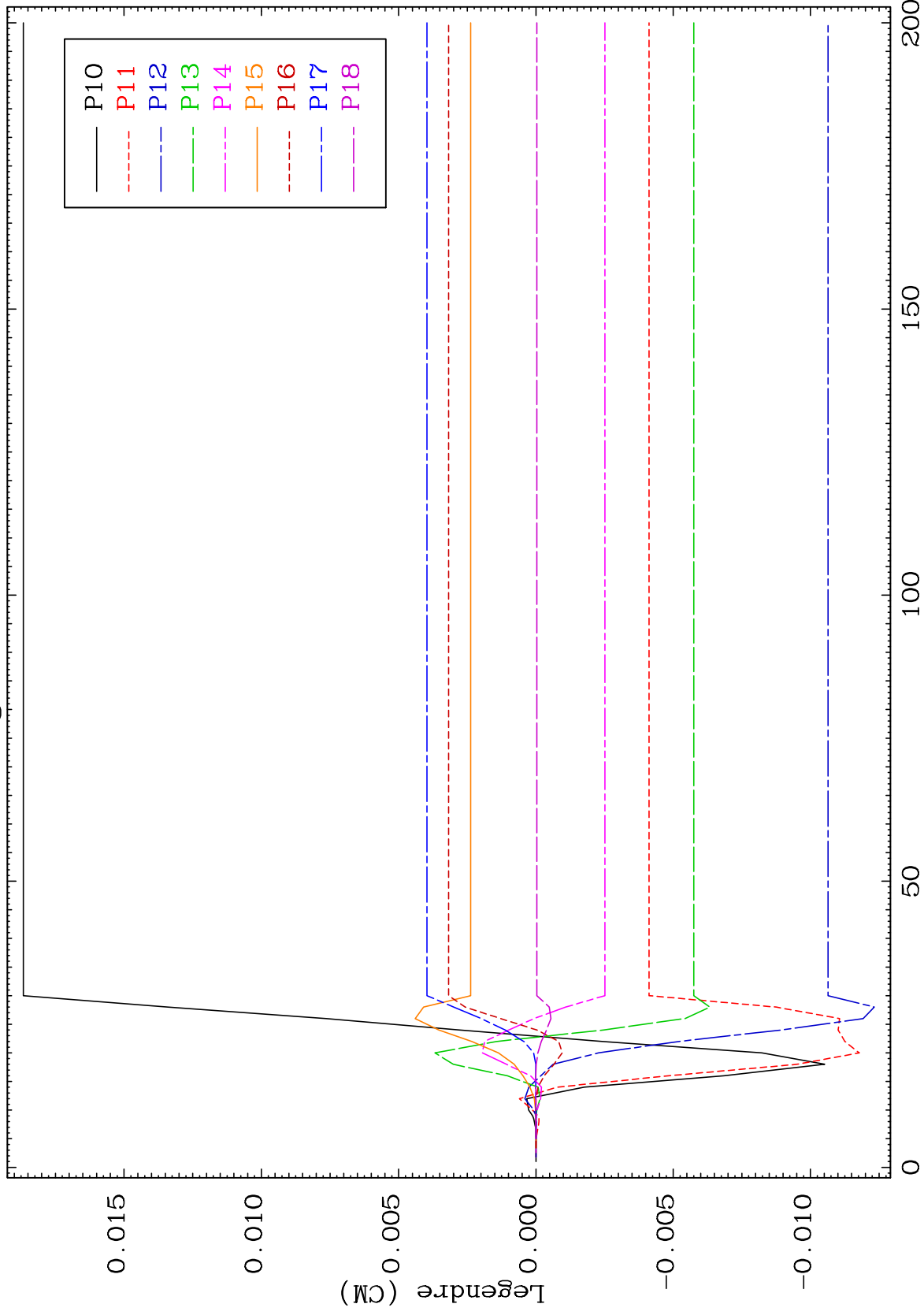




MAT 7080

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

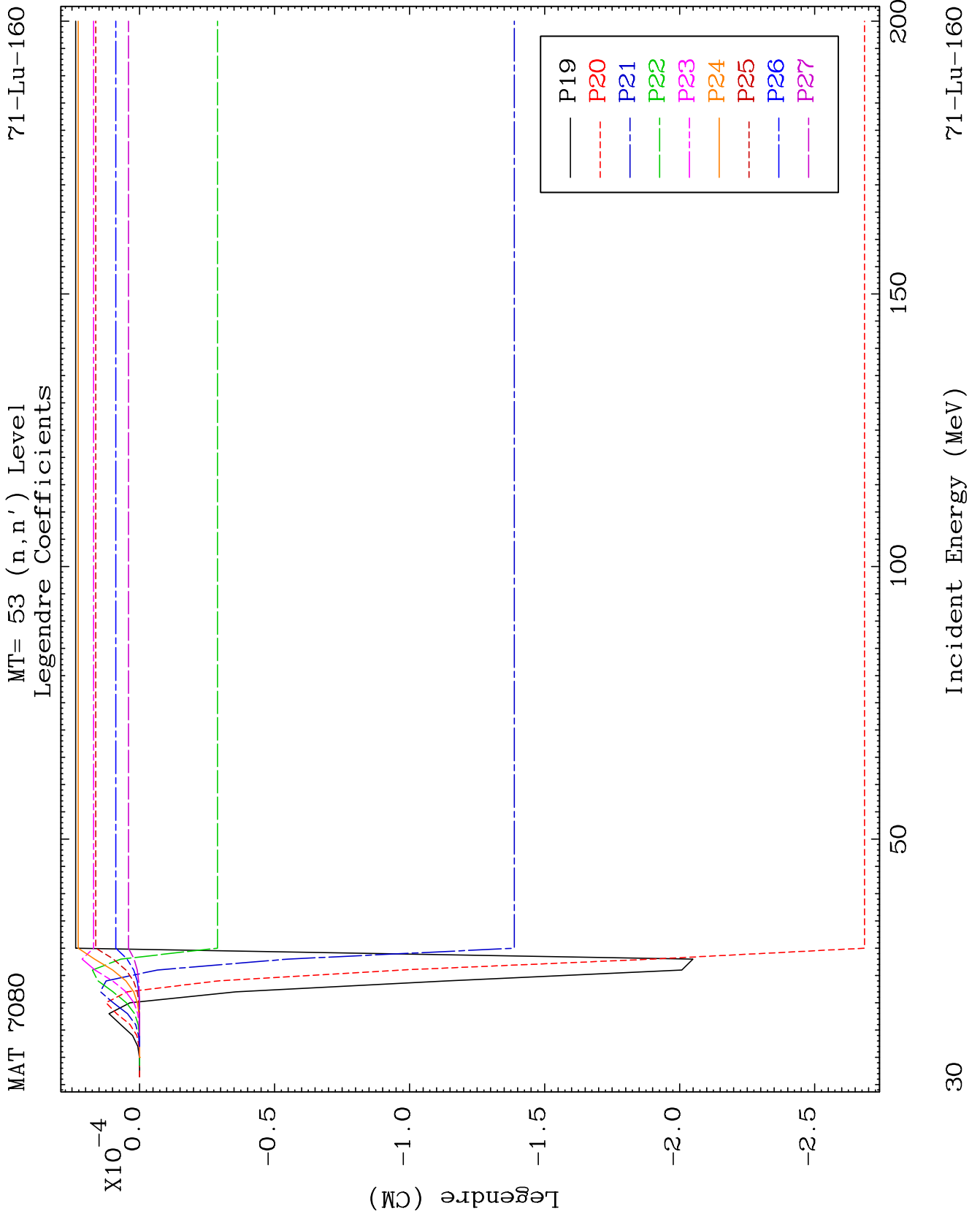
71-Lu-160



29

Incident Energy (MeV)

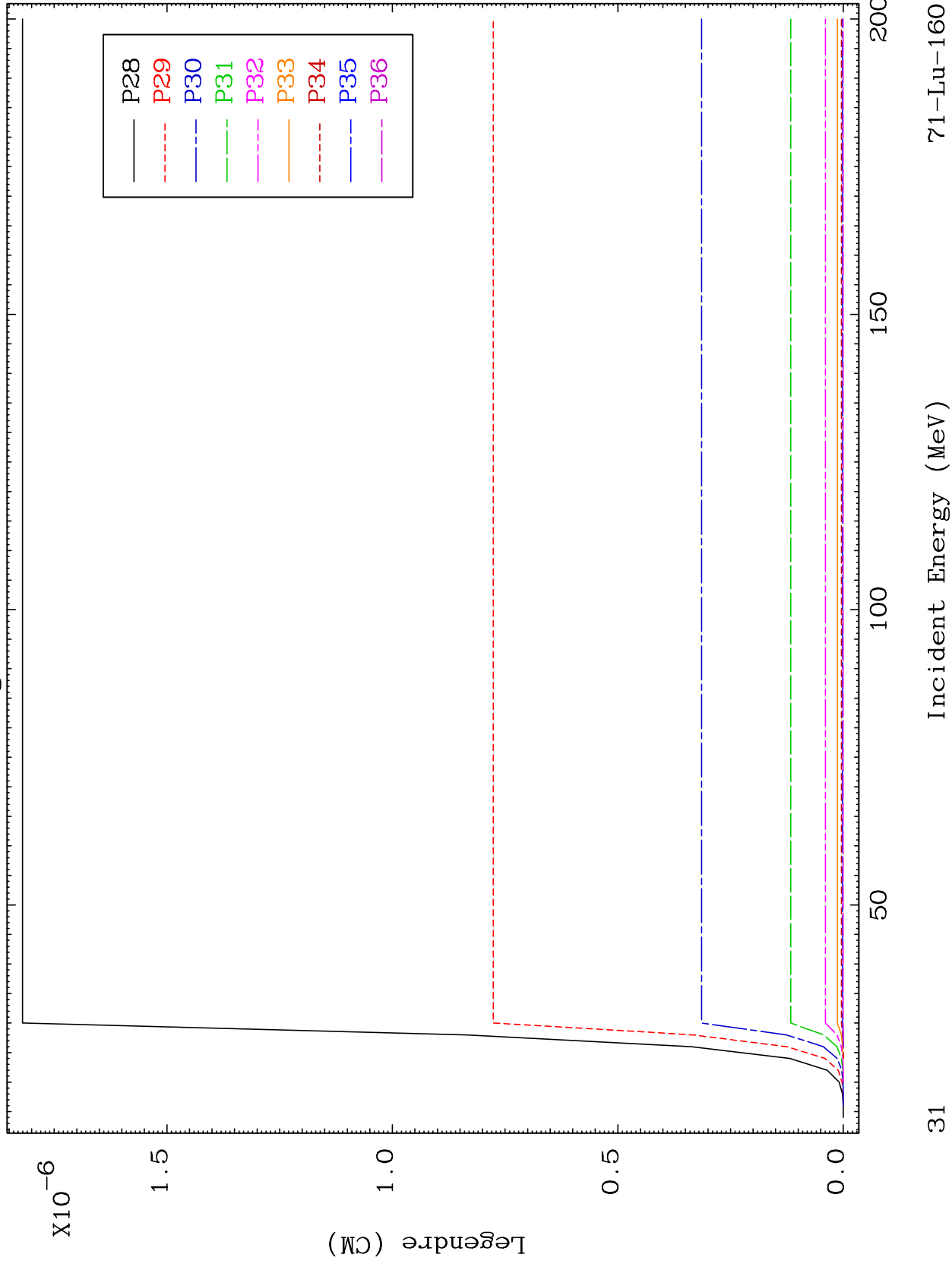
71-Lu-160



MAT 7080

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

71-Lu-160



31

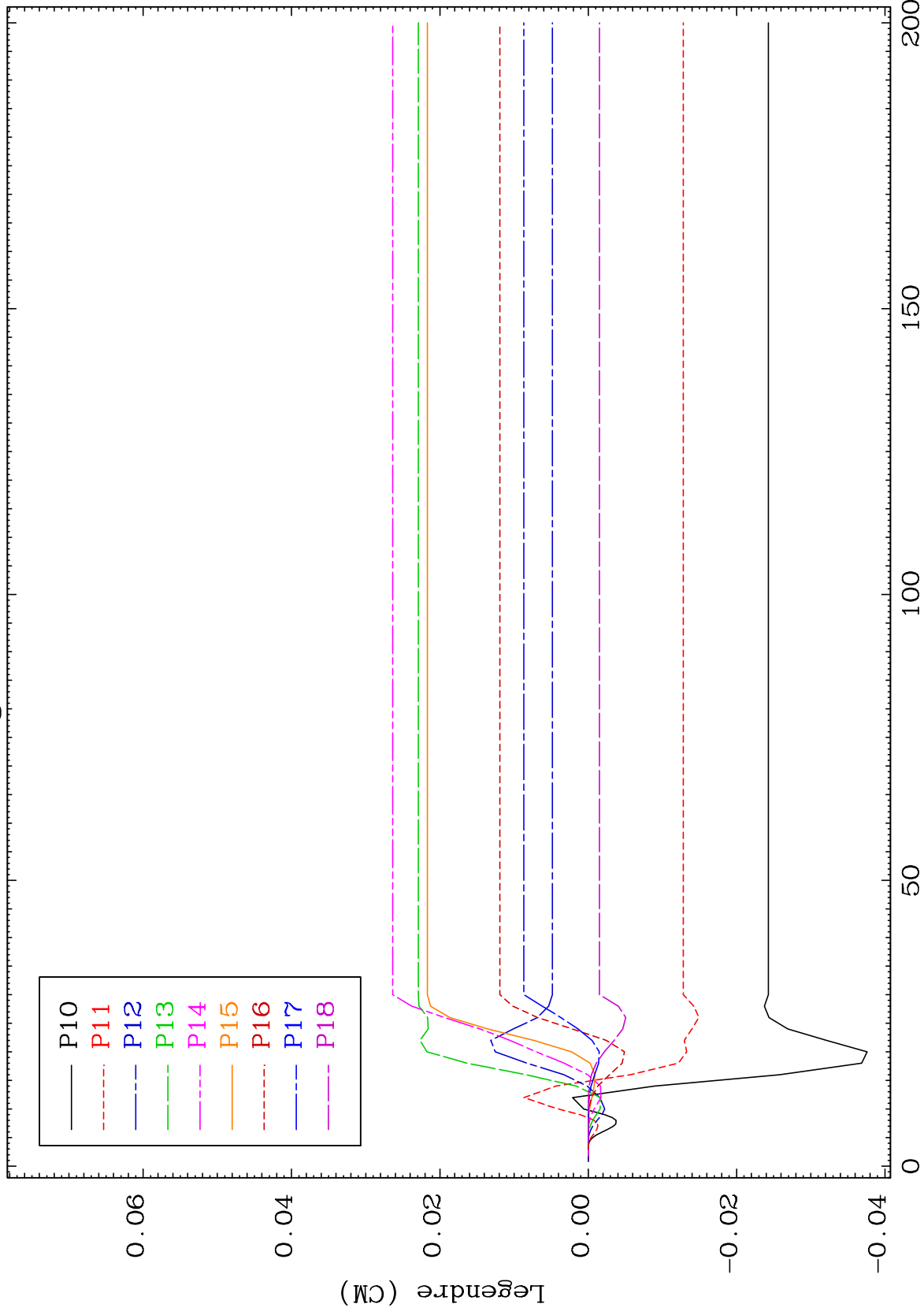
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

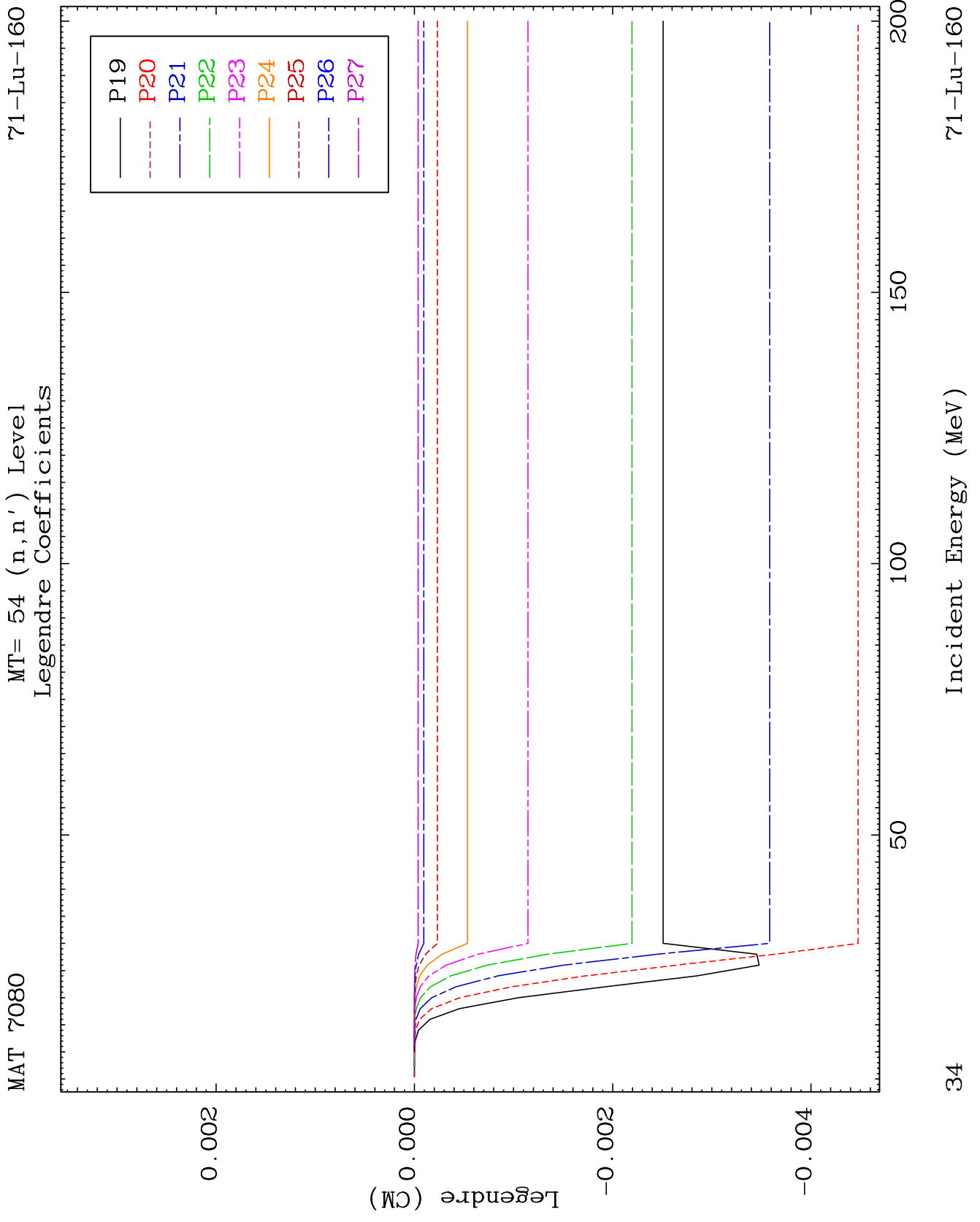
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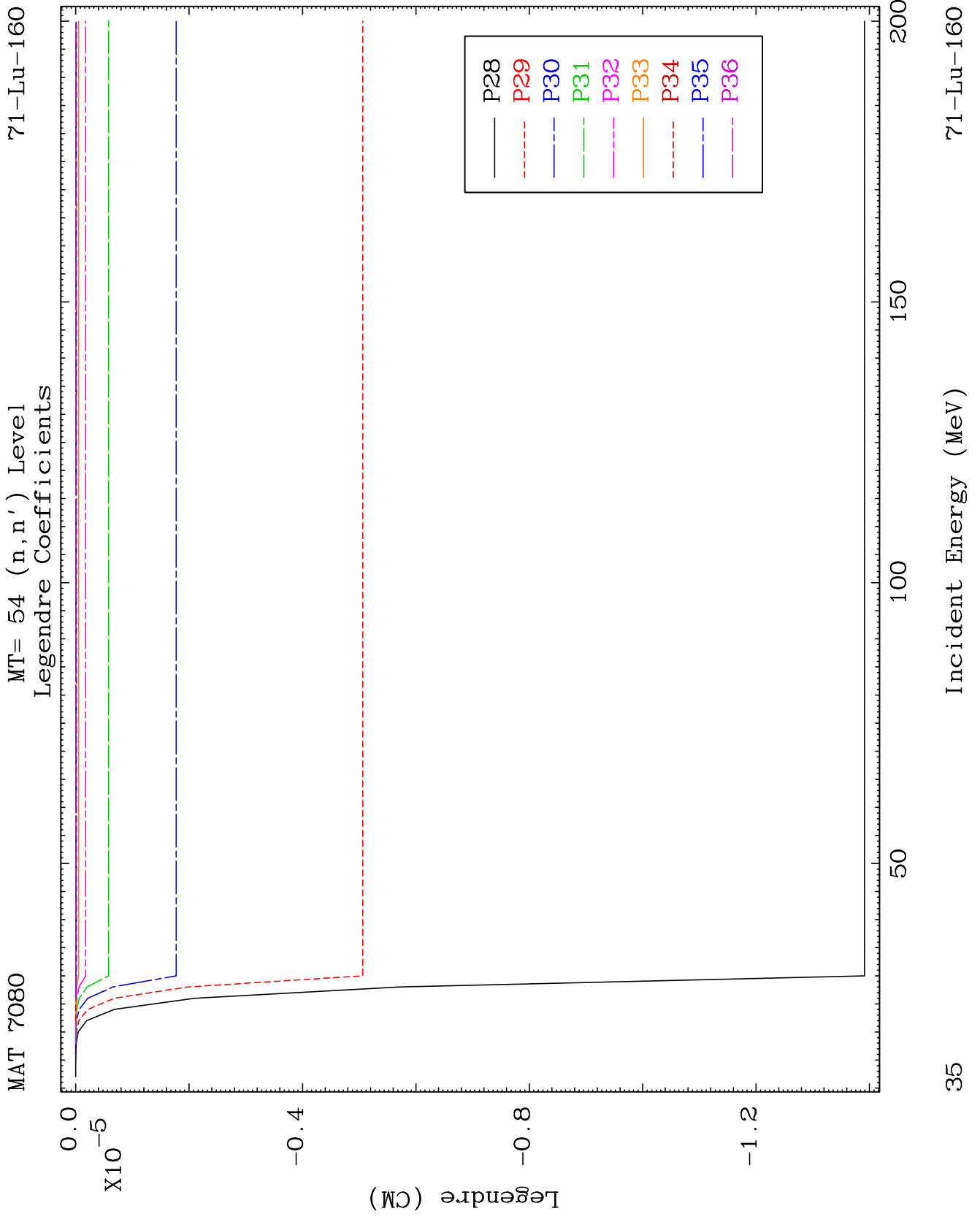


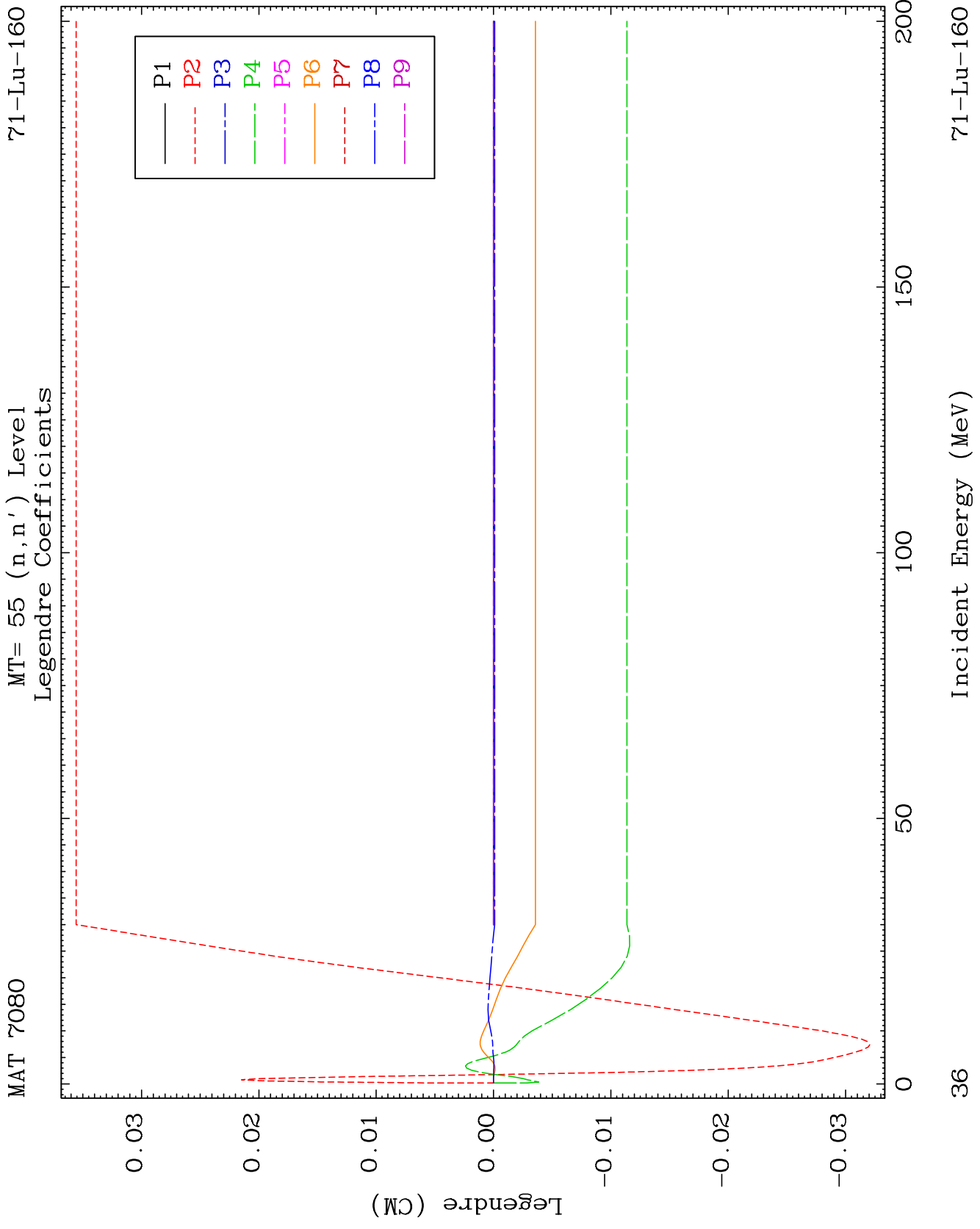
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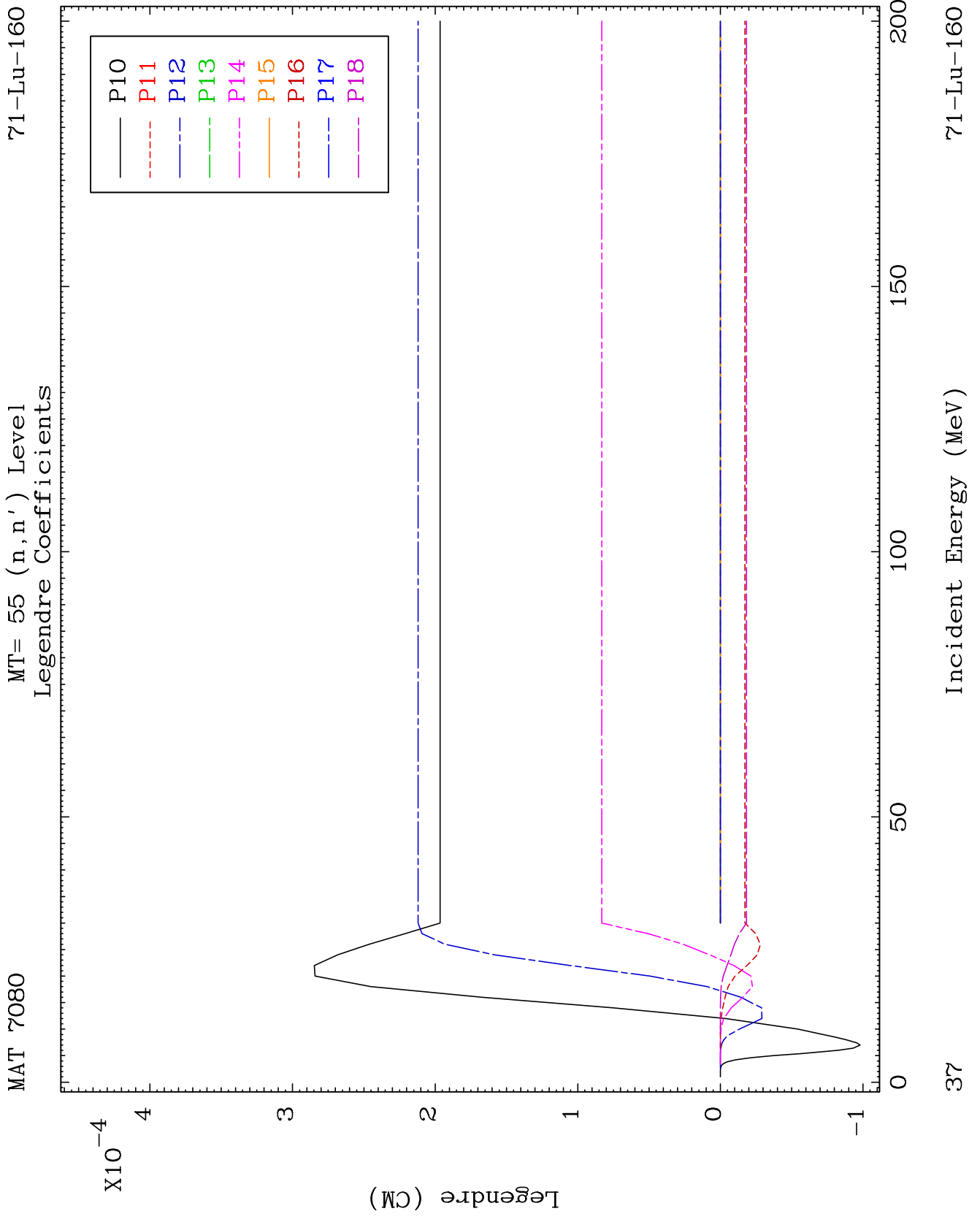
Incident Energy (MeV)

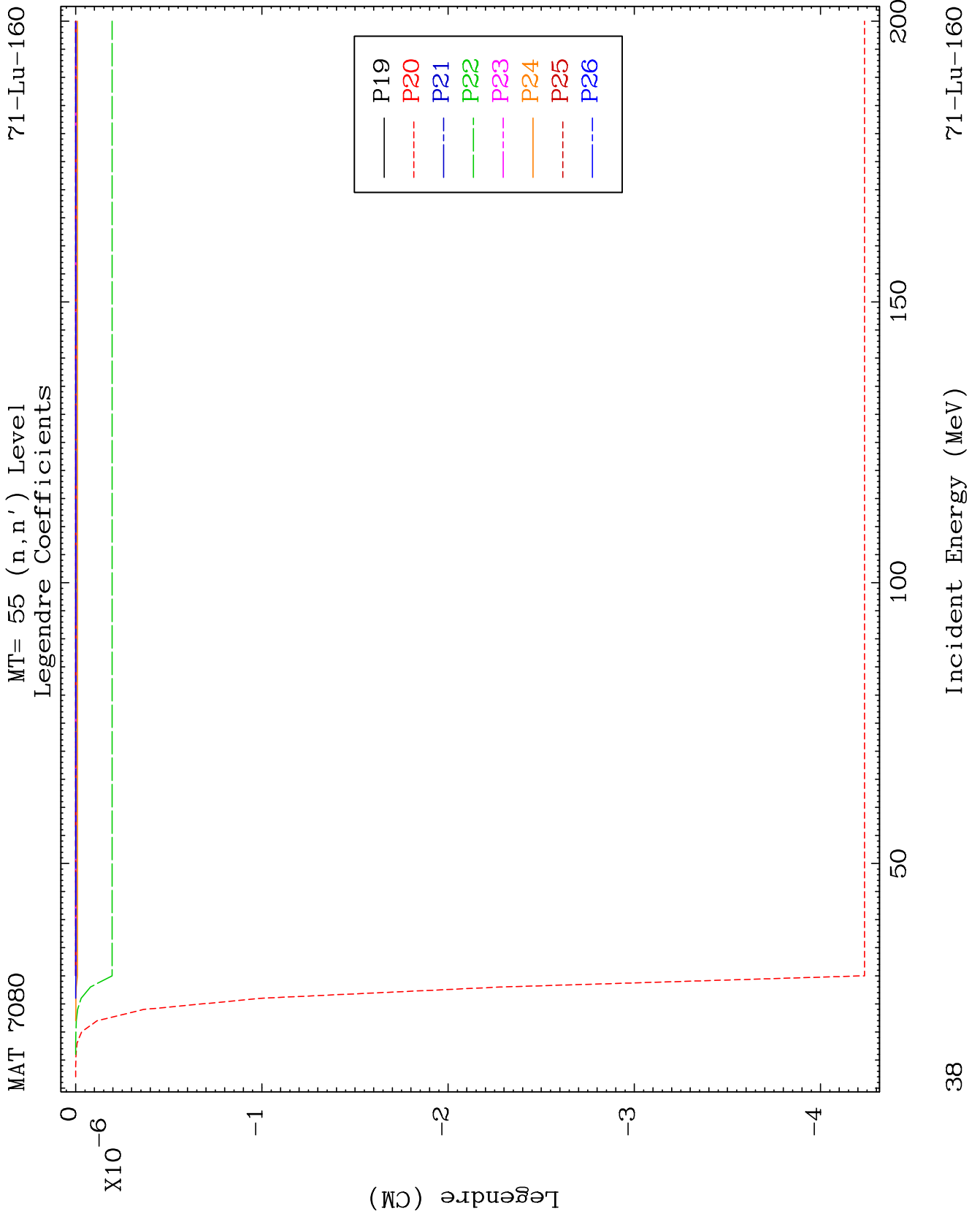
71-Lu-160

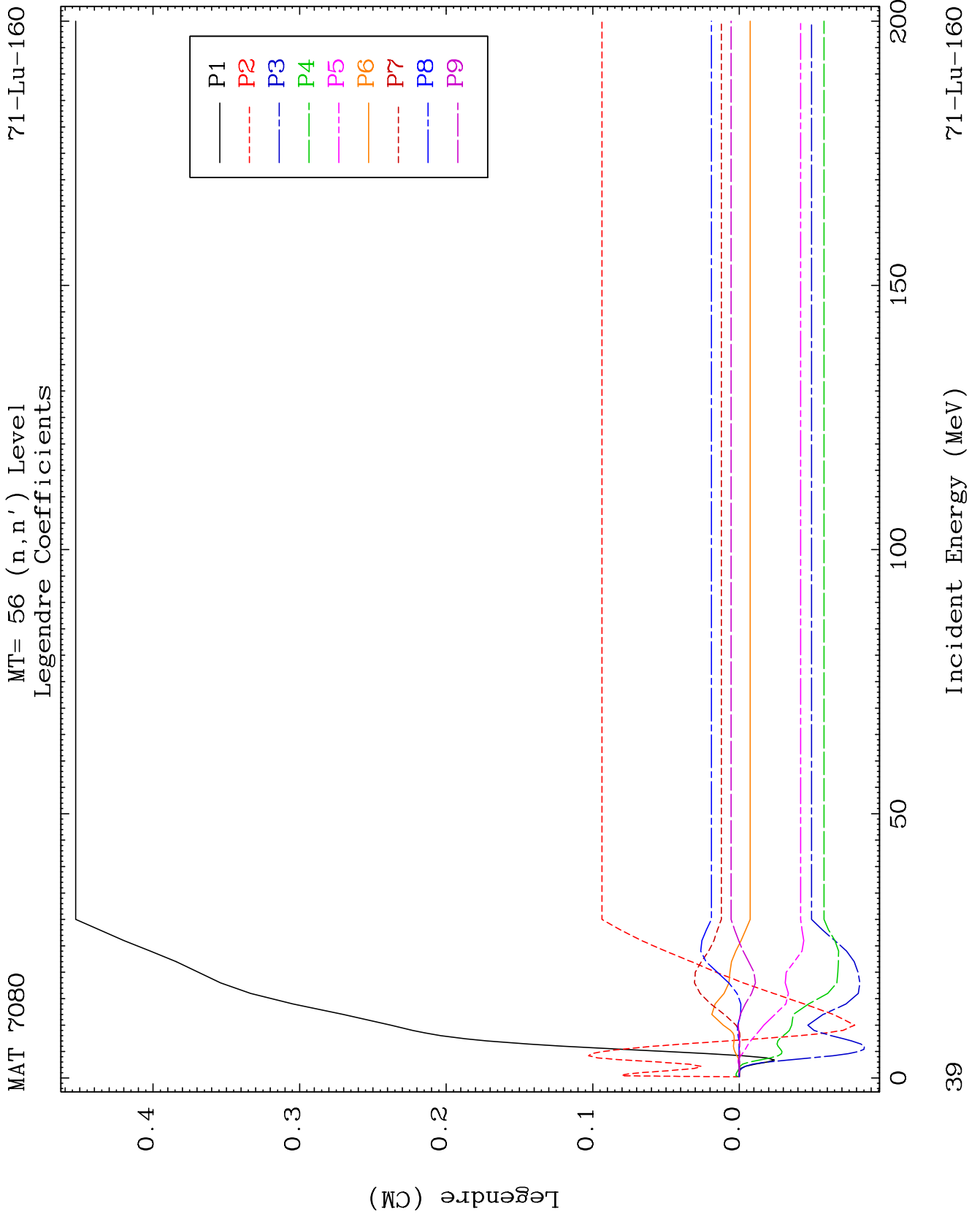








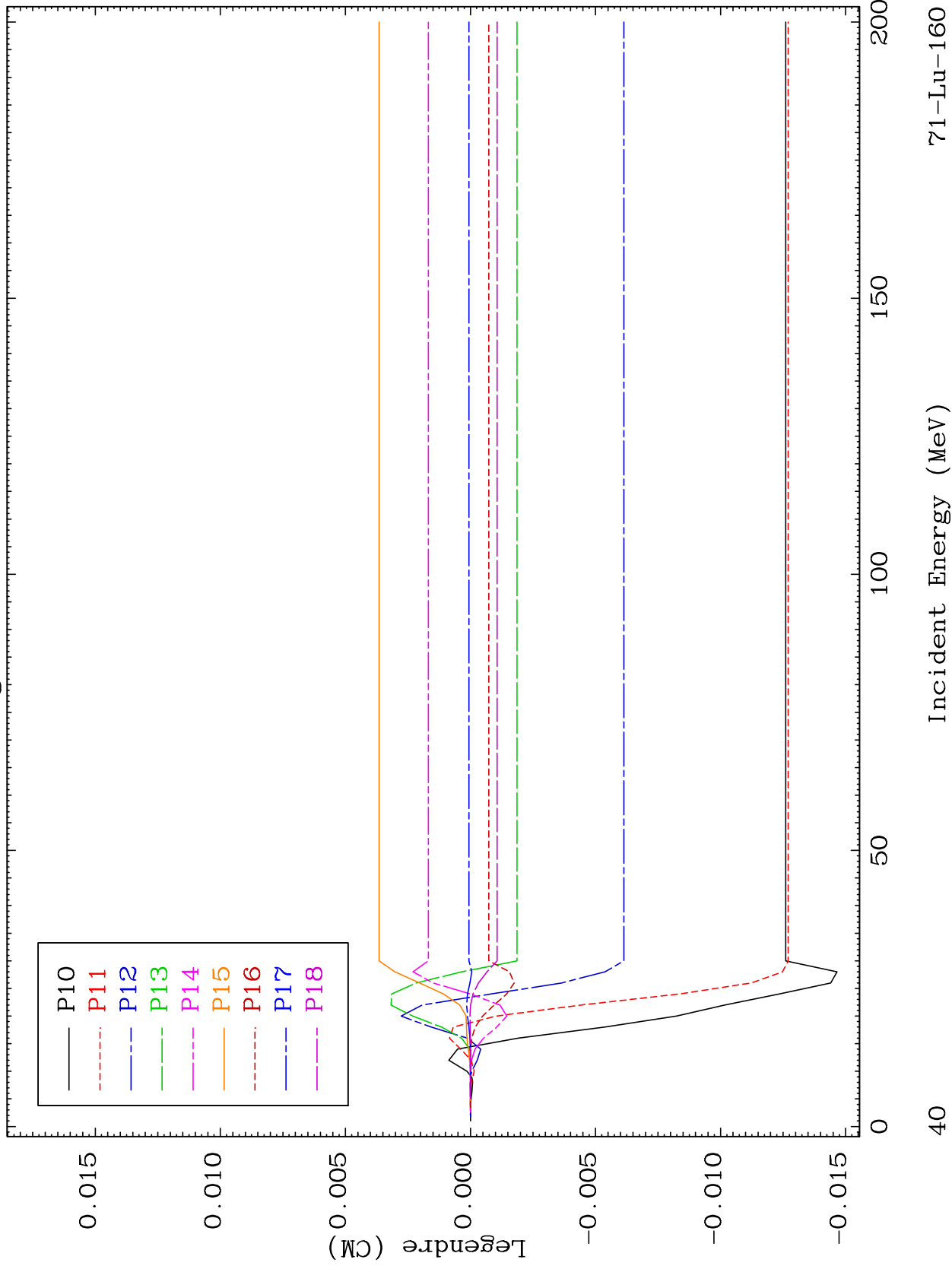




MAT 7080

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

71-Lu-160



71-Lu-160

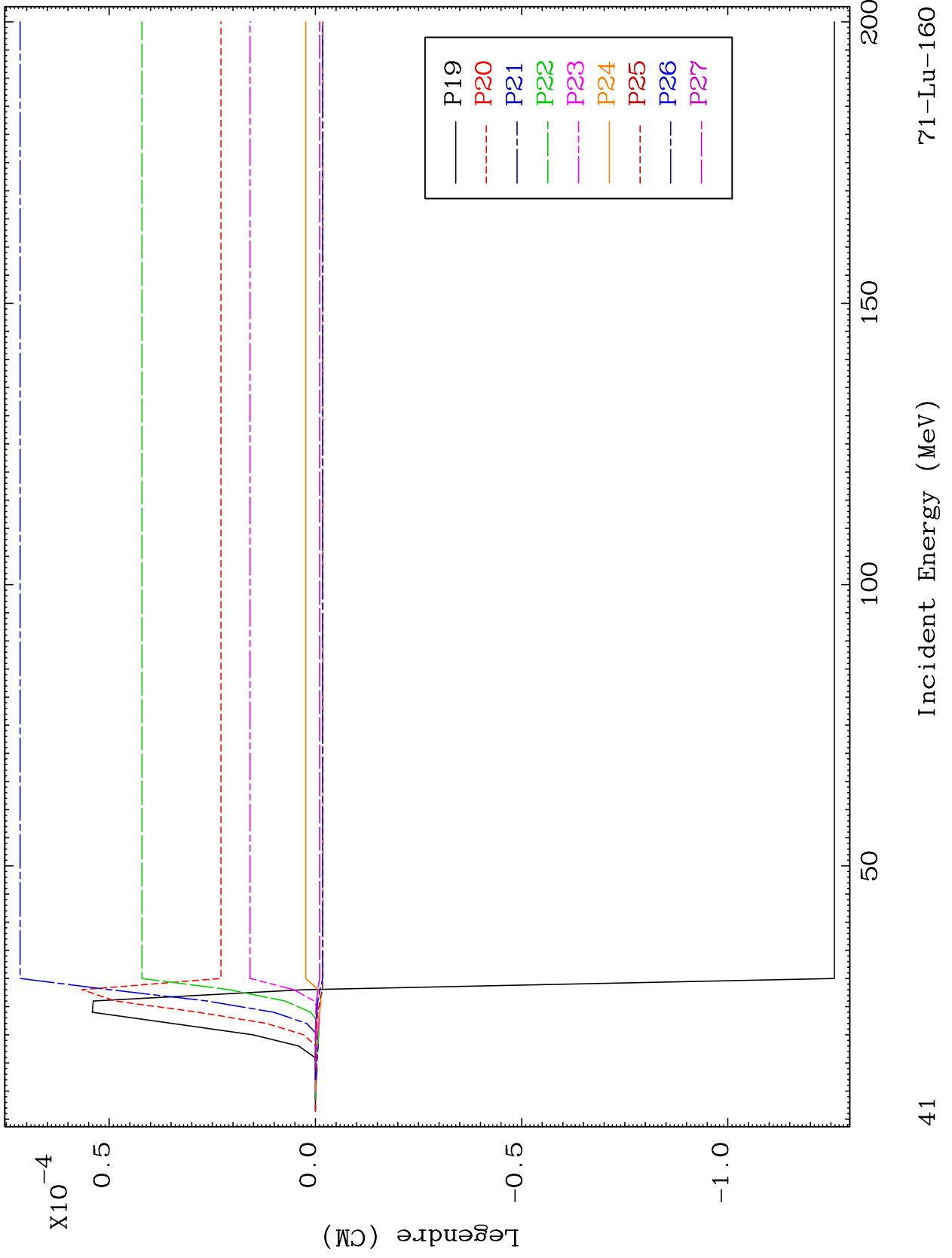
Incident Energy (MeV)

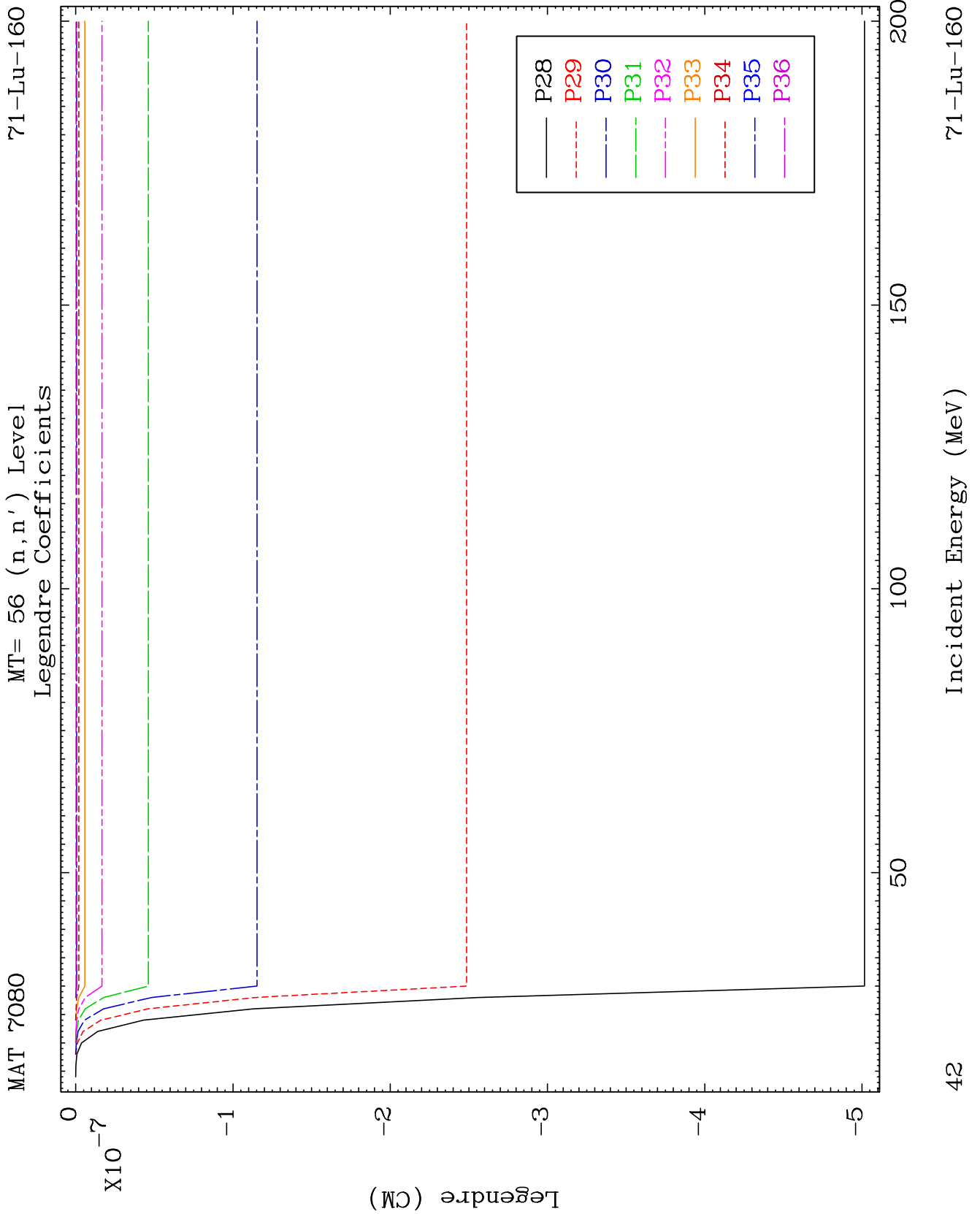
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MAT 7080

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

71-Lu-160

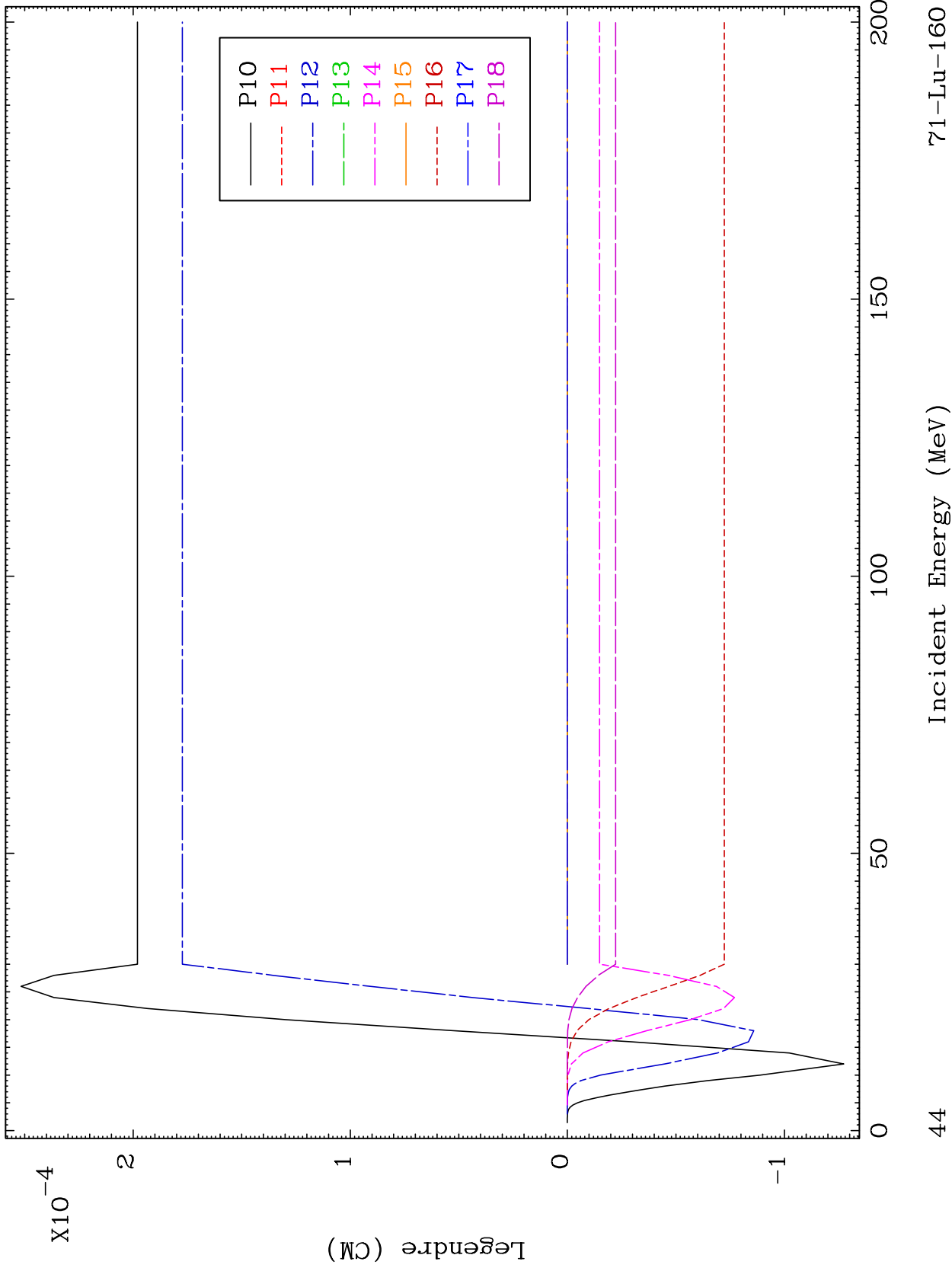




MAT 7080

MT= 57 (n,n') Level
Legendre Coefficients

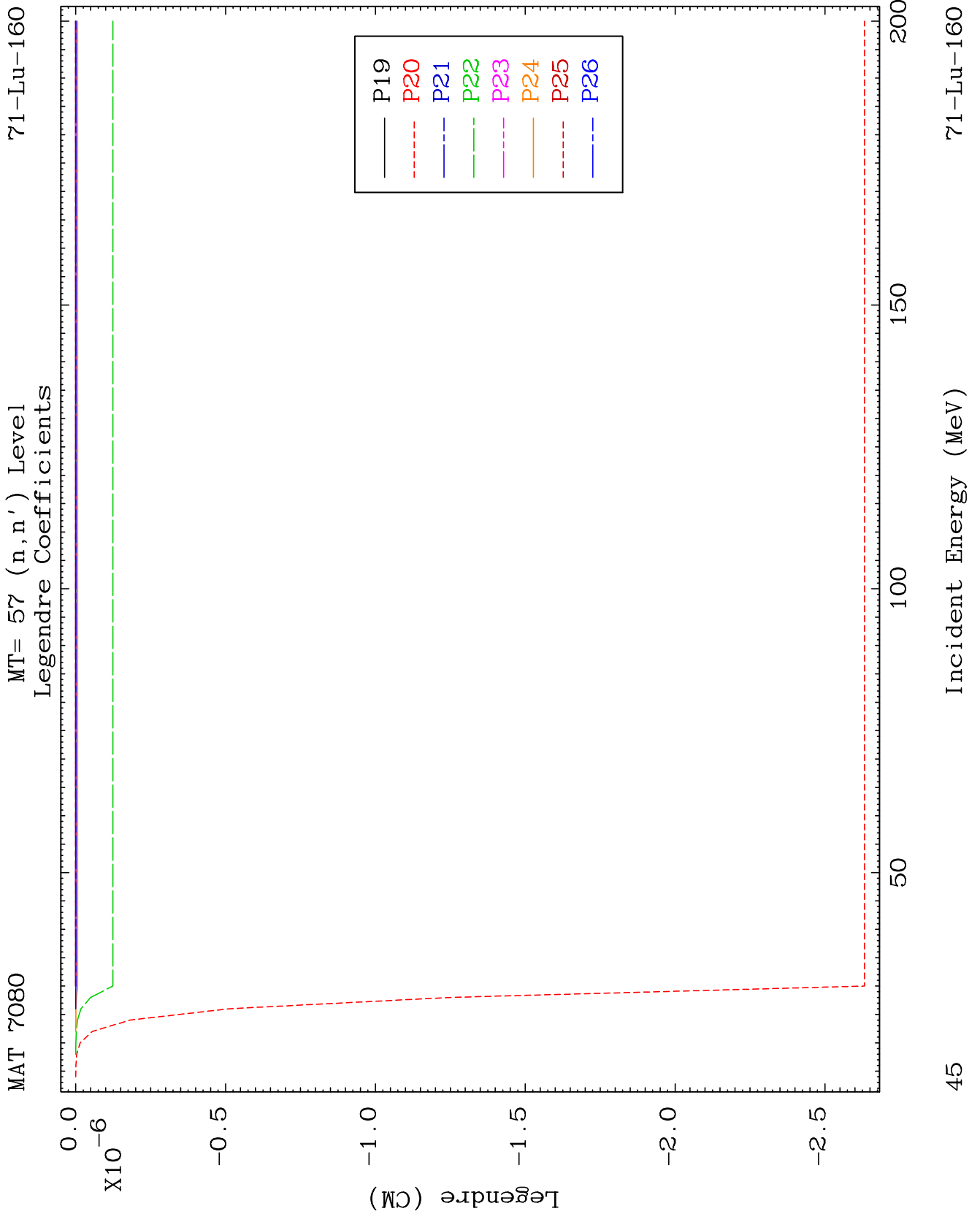
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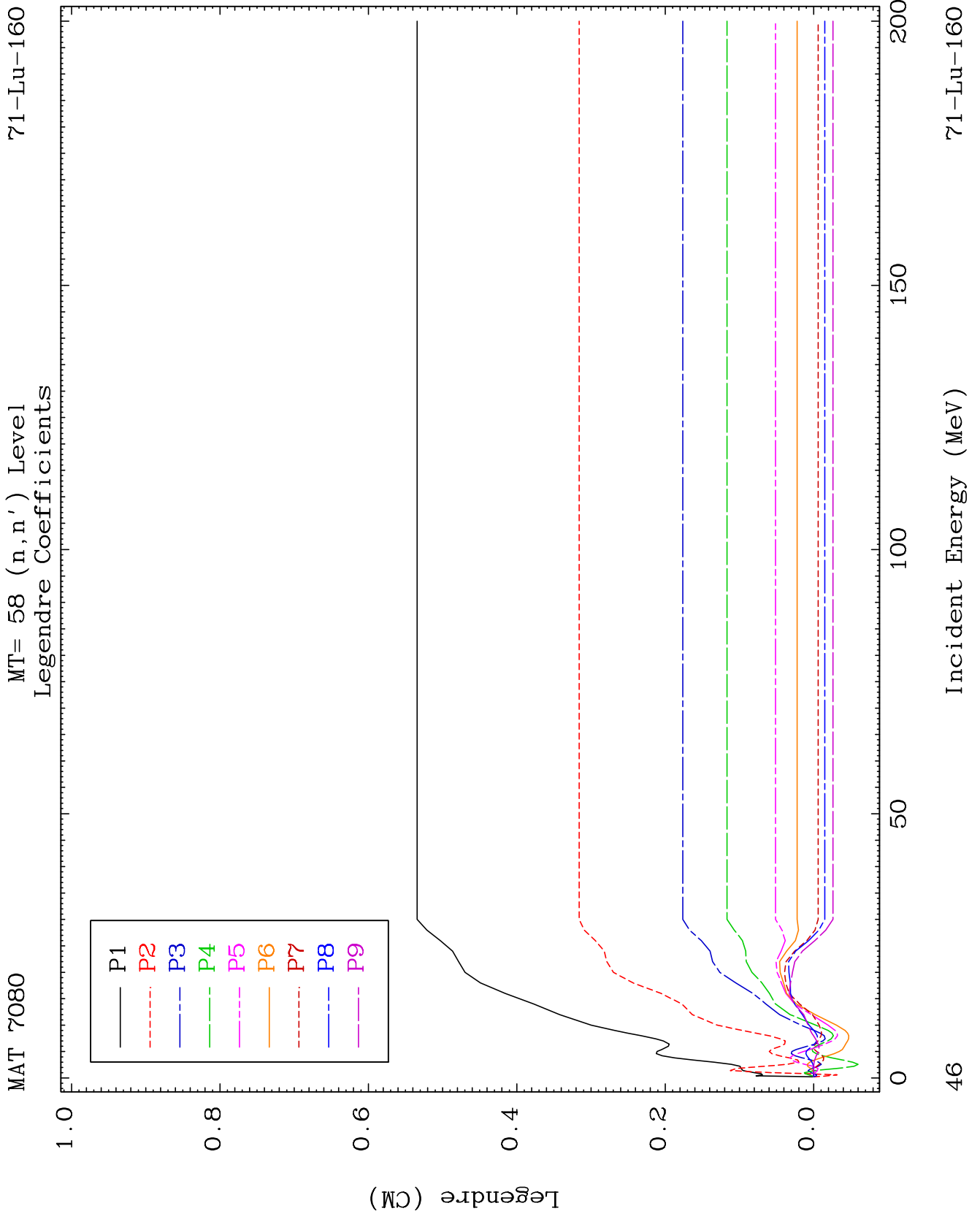


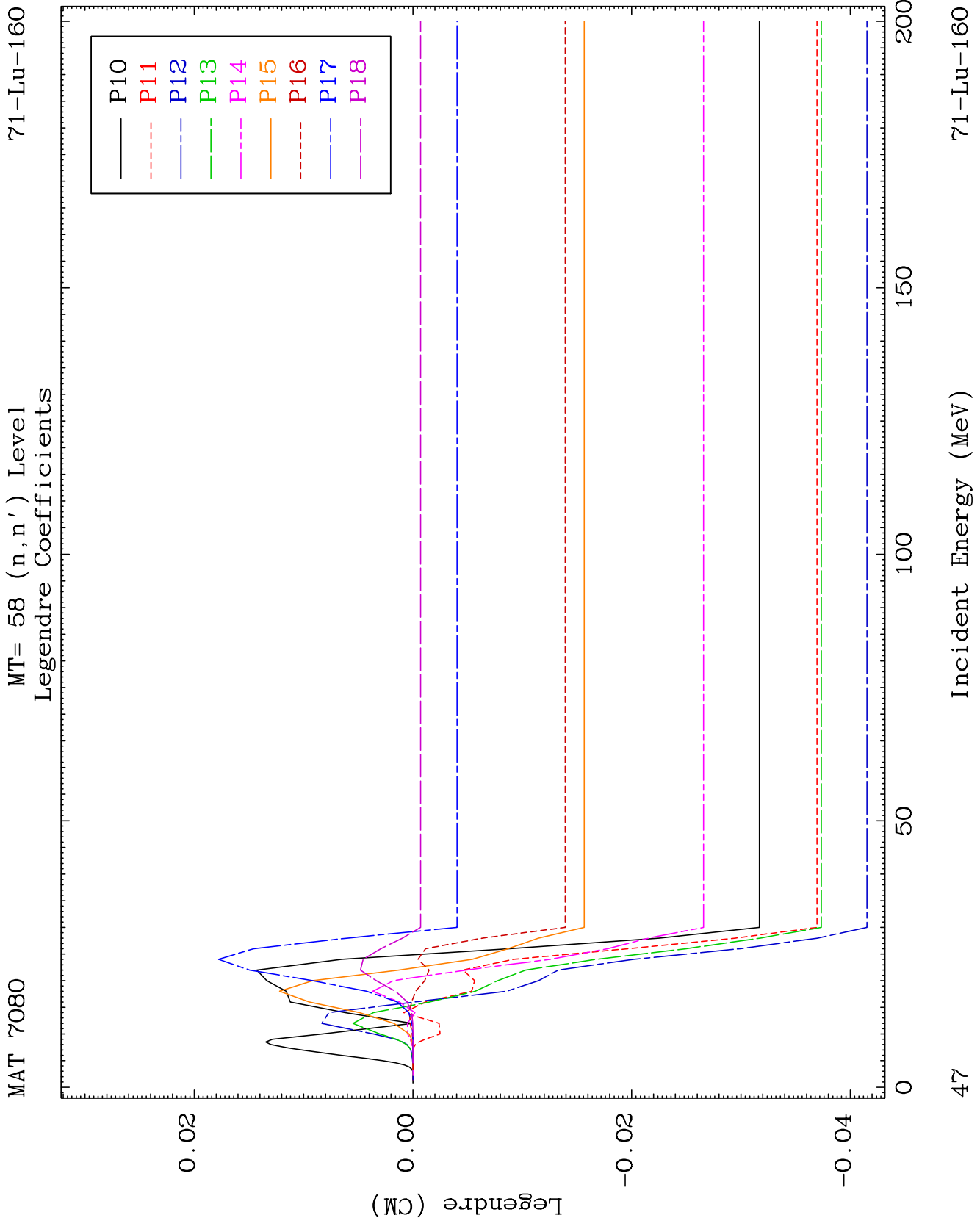
71-Lu-160

Incident Energy (MeV)

44



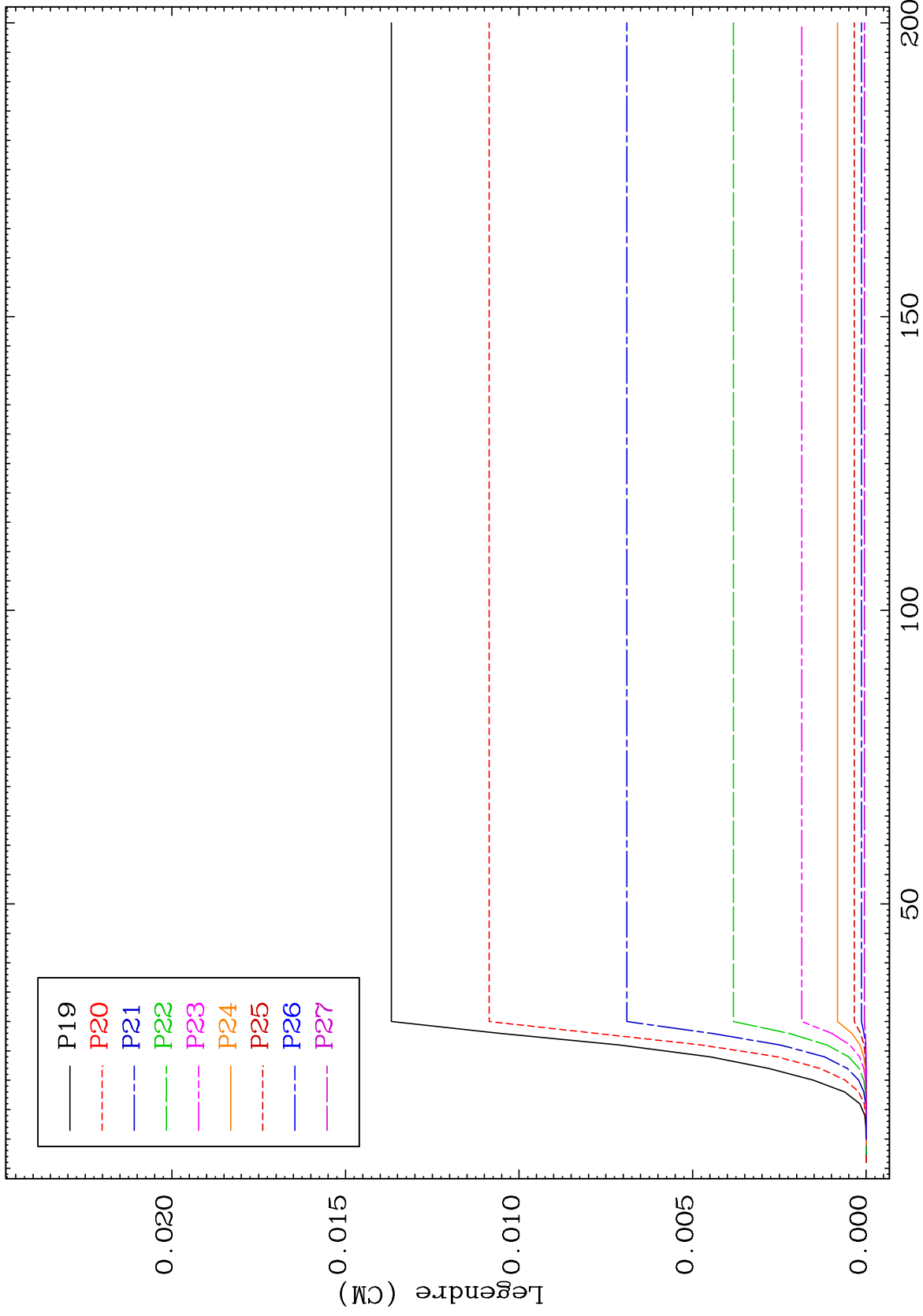




MAT 7080

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

71-Lu-160



48

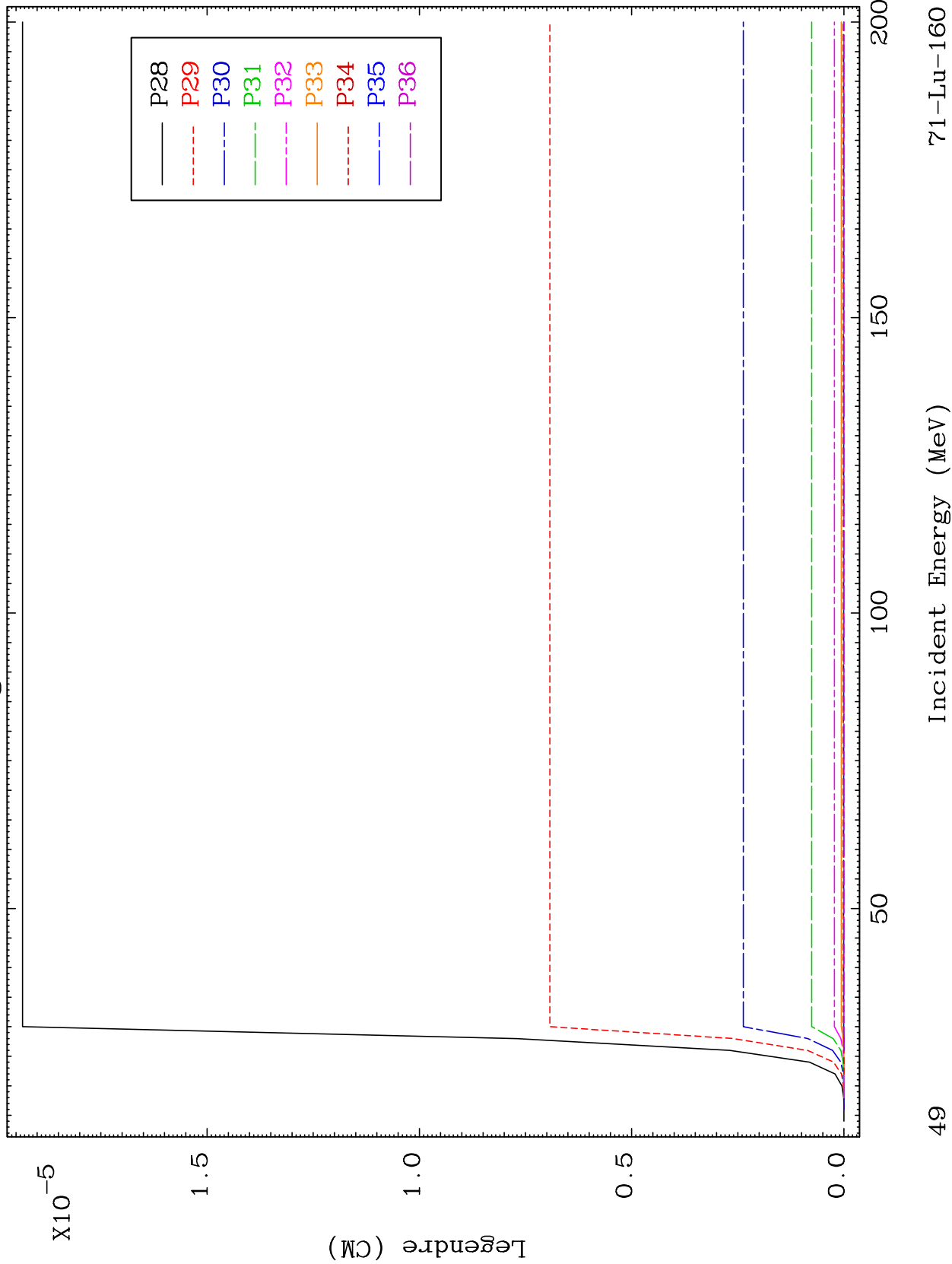
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

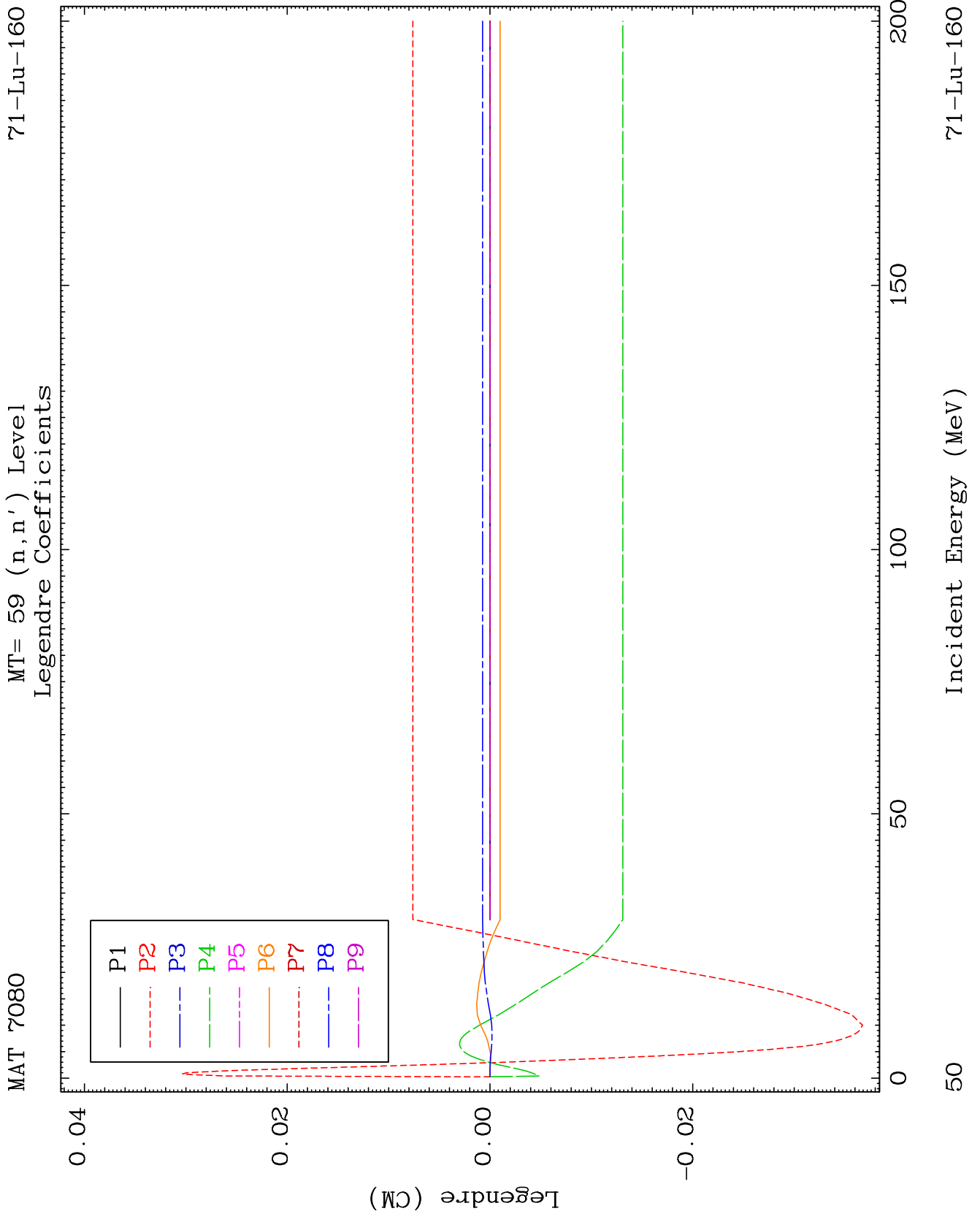
71-Lu-160



49

Incident Energy (MeV)

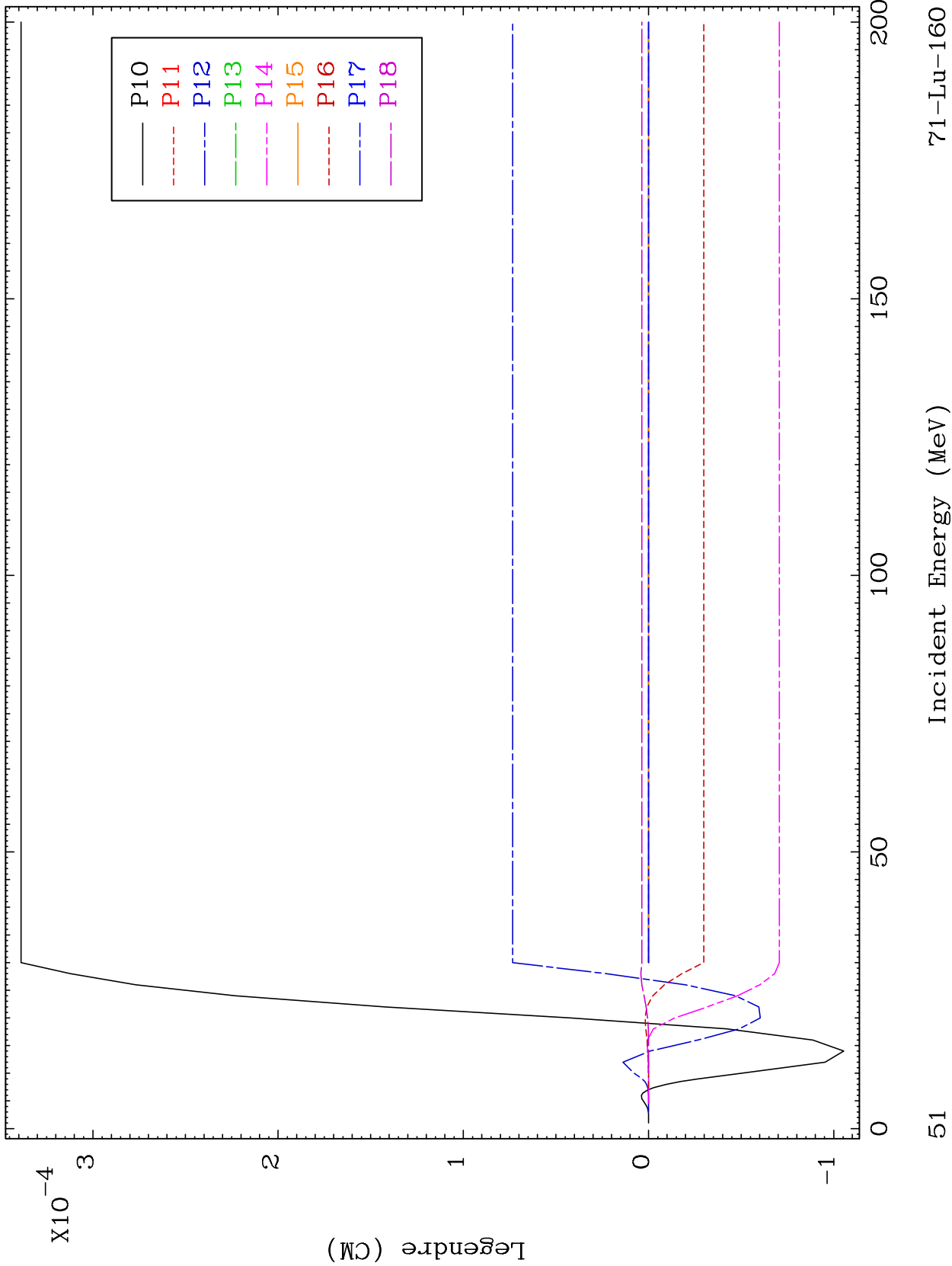
71-Lu-160



MAT 7080

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

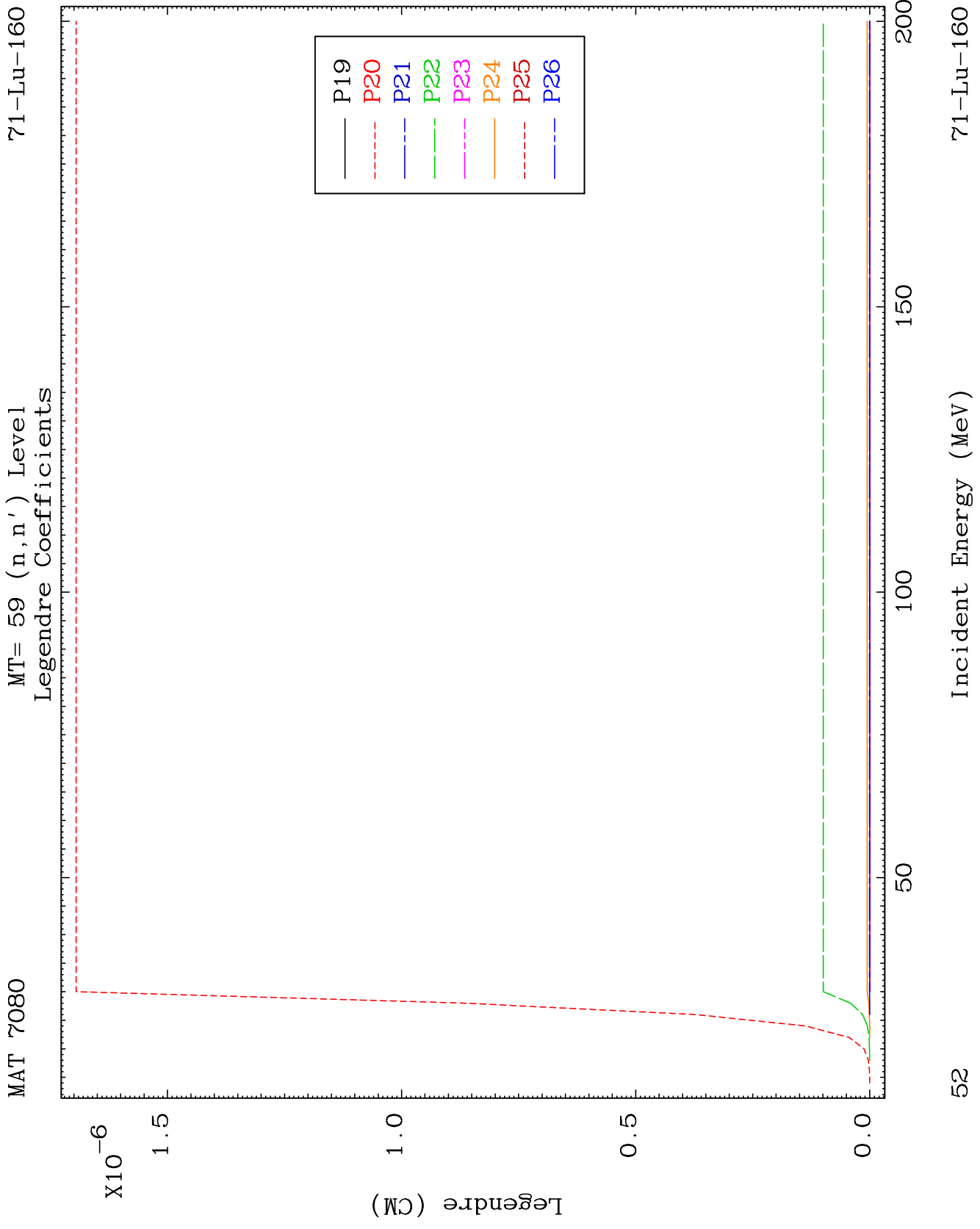
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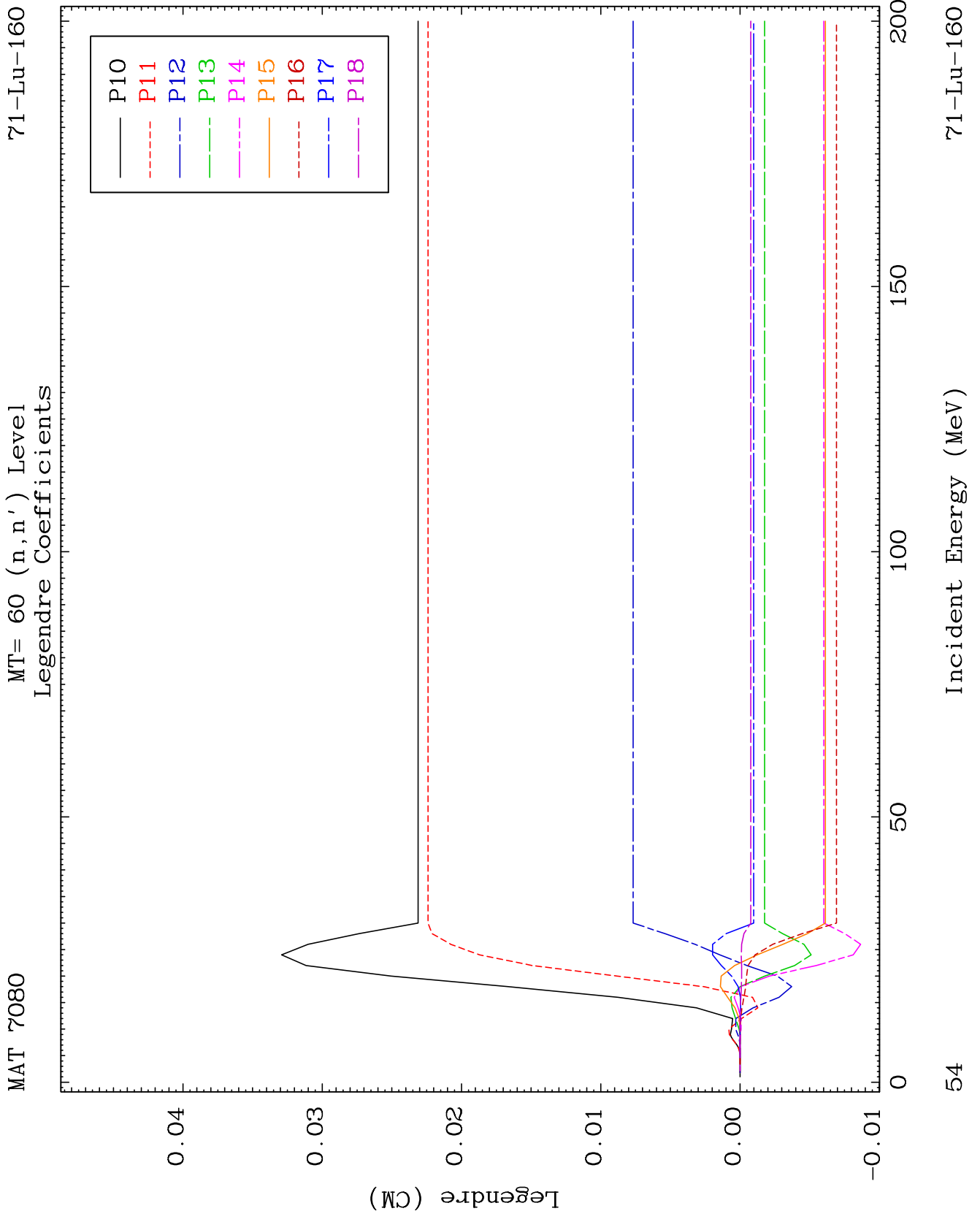


71-Lu-160

Incident Energy (MeV)

51

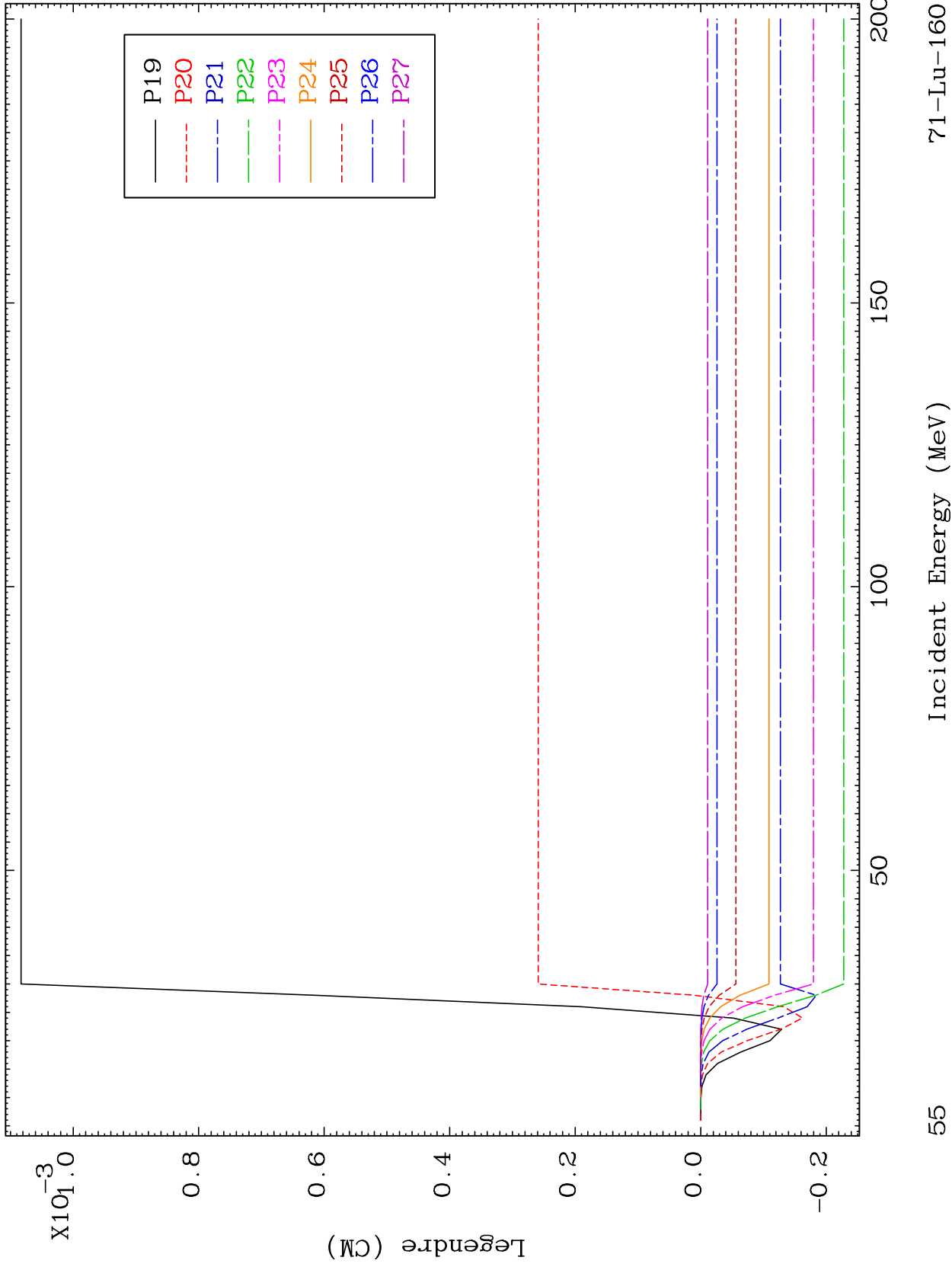




MAT 7080

MT= 60 (n,n') Level
Legendre Coefficients

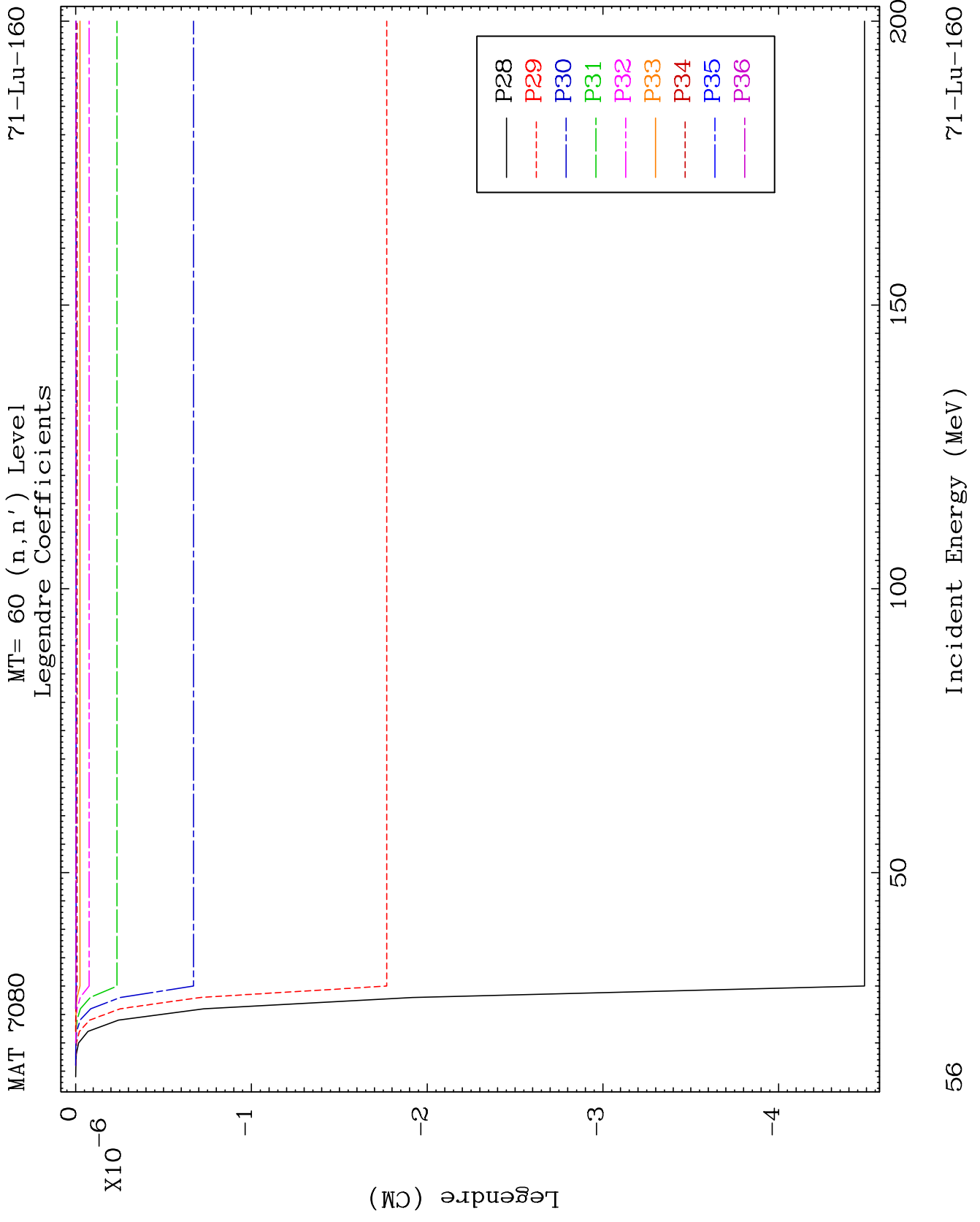
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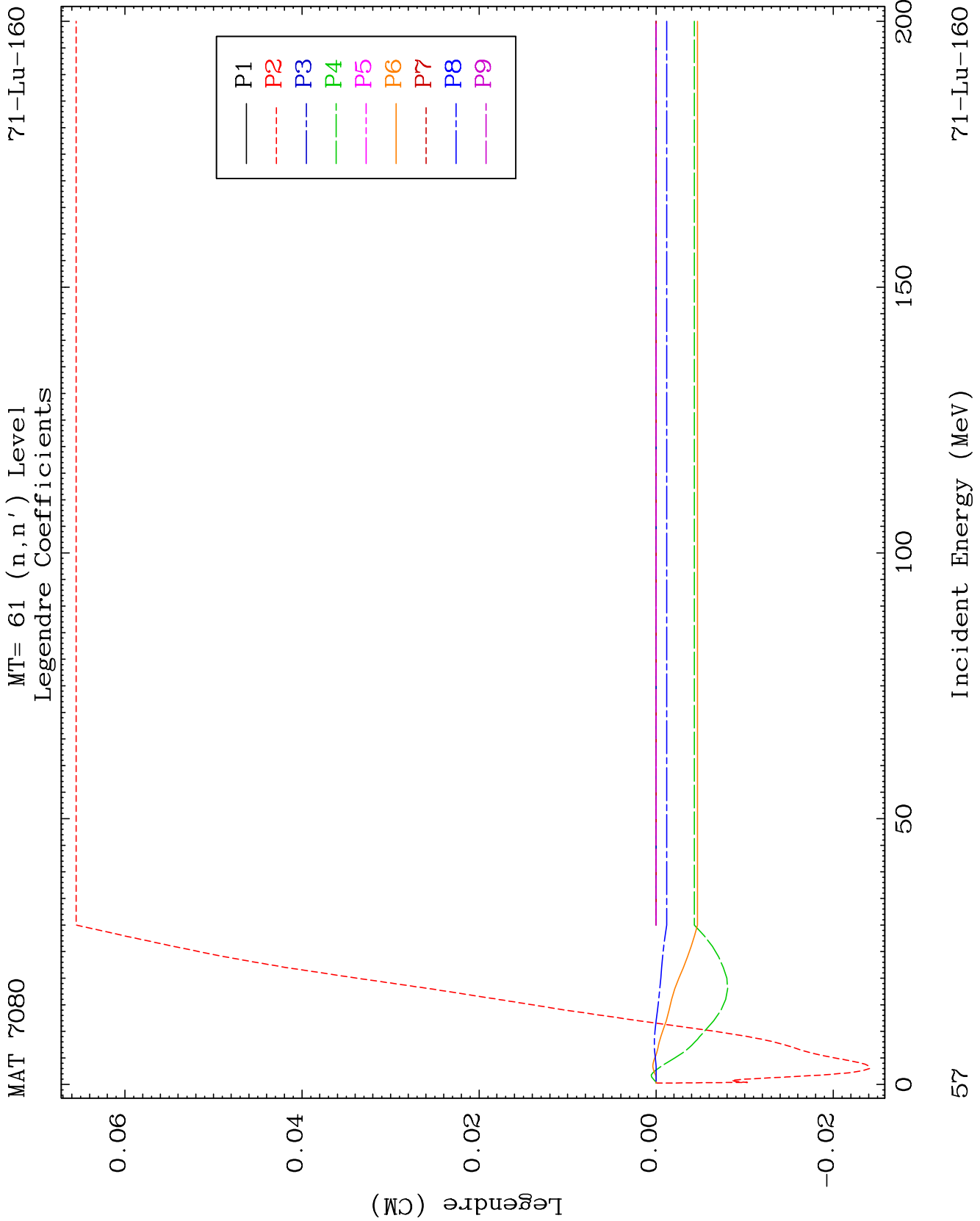


55

Incident Energy (MeV)

71-Lu-160

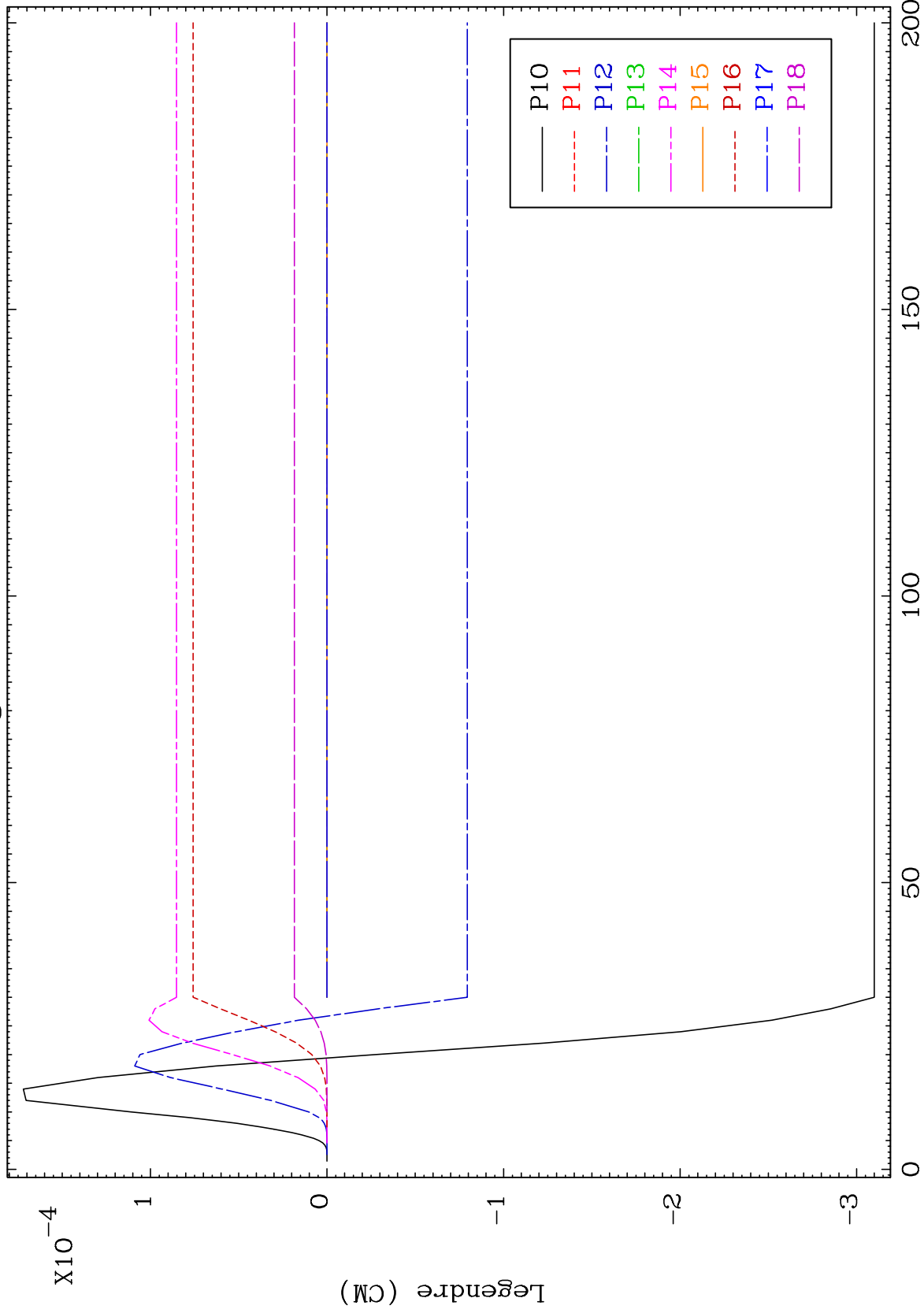




MAT 7080

MT= 61 (n,n') Level
Legendre Coefficients

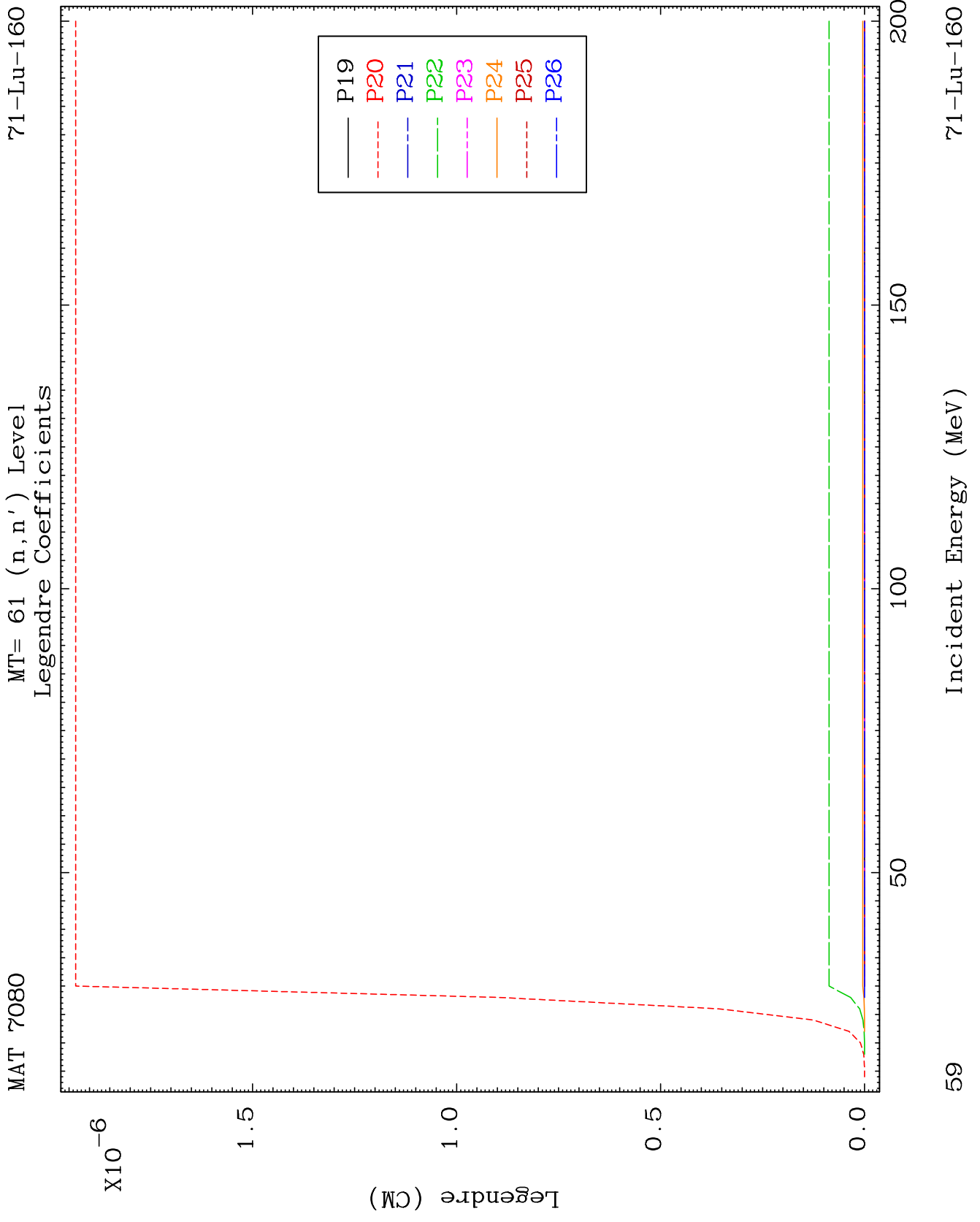
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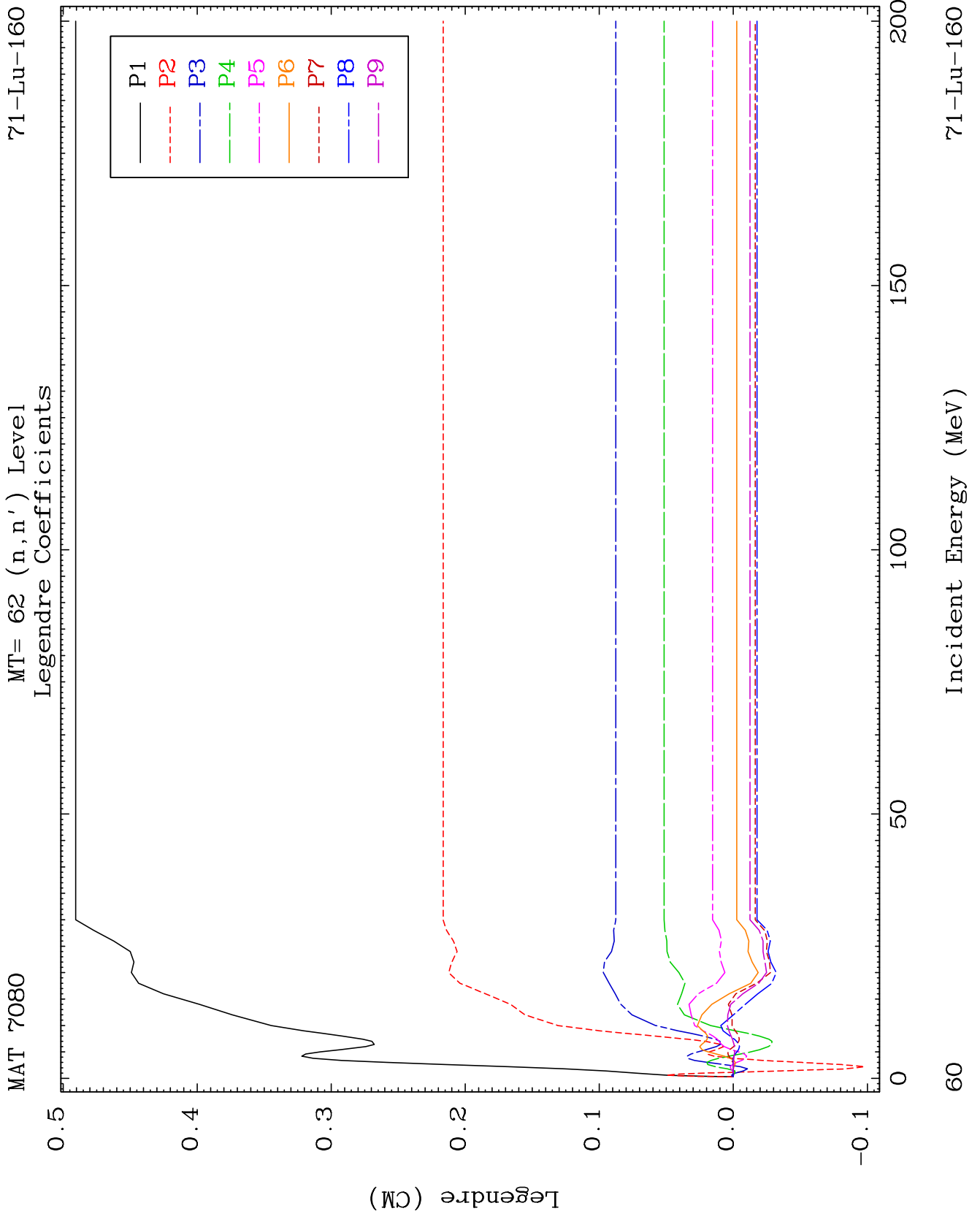


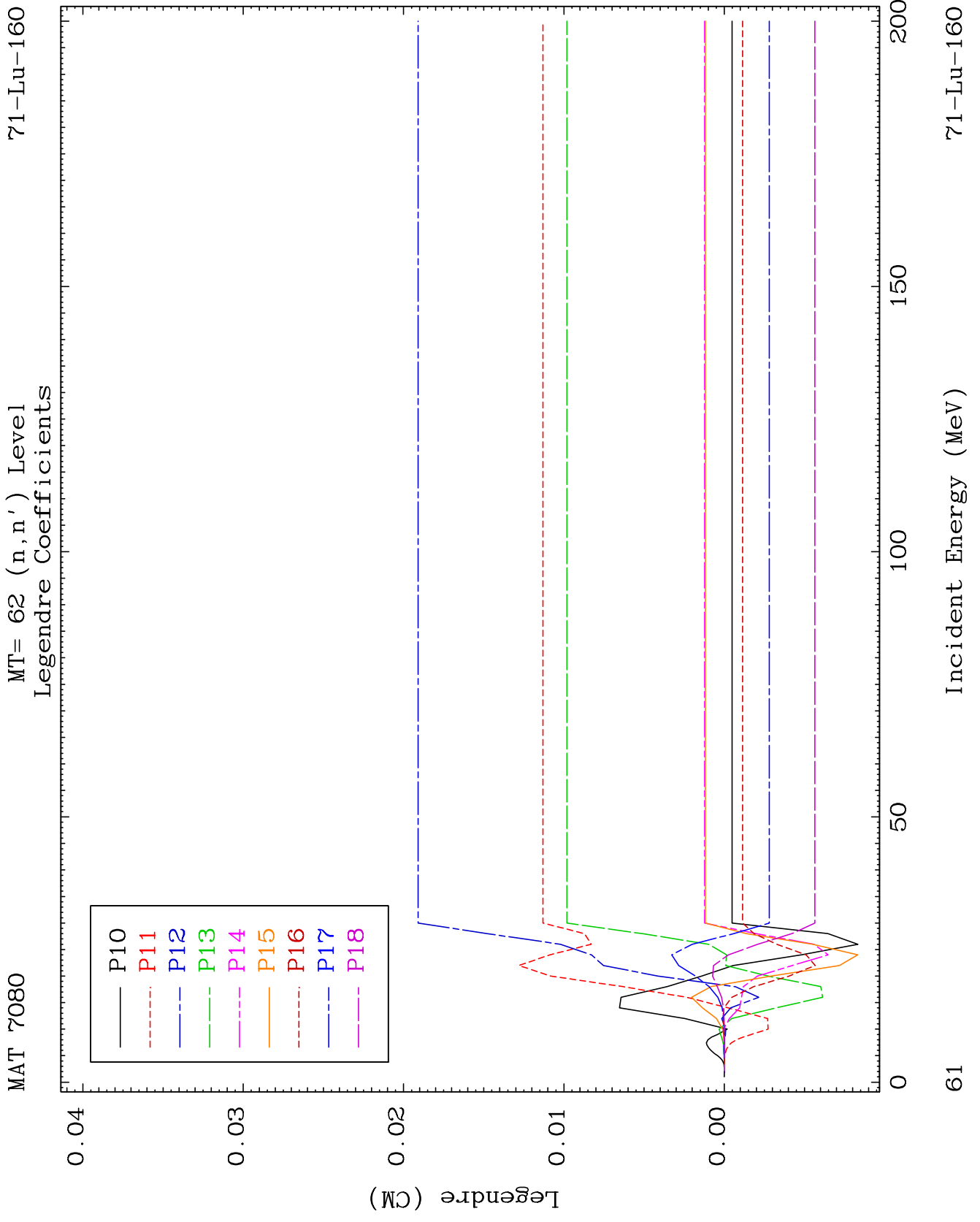
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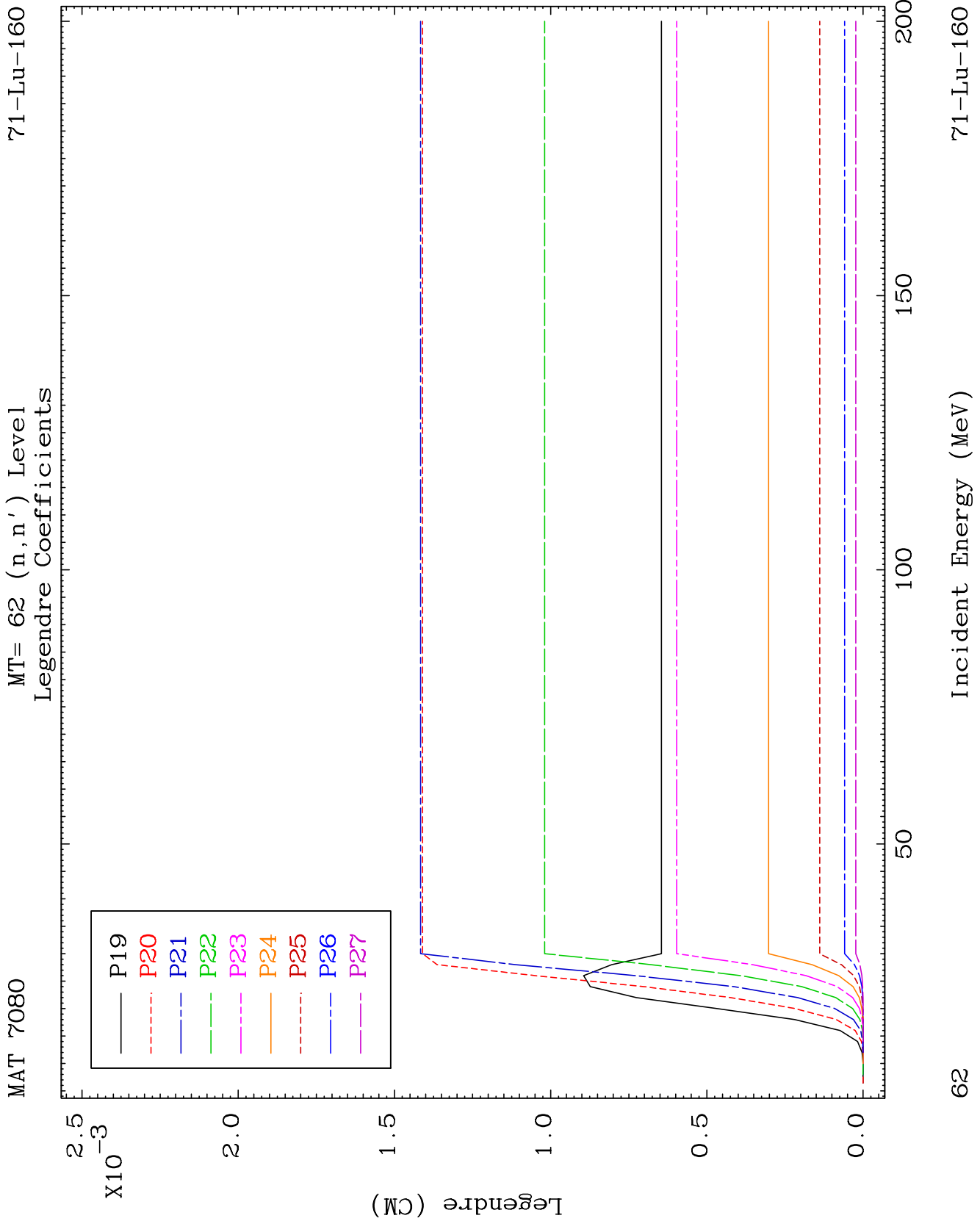
Incident Energy (MeV)

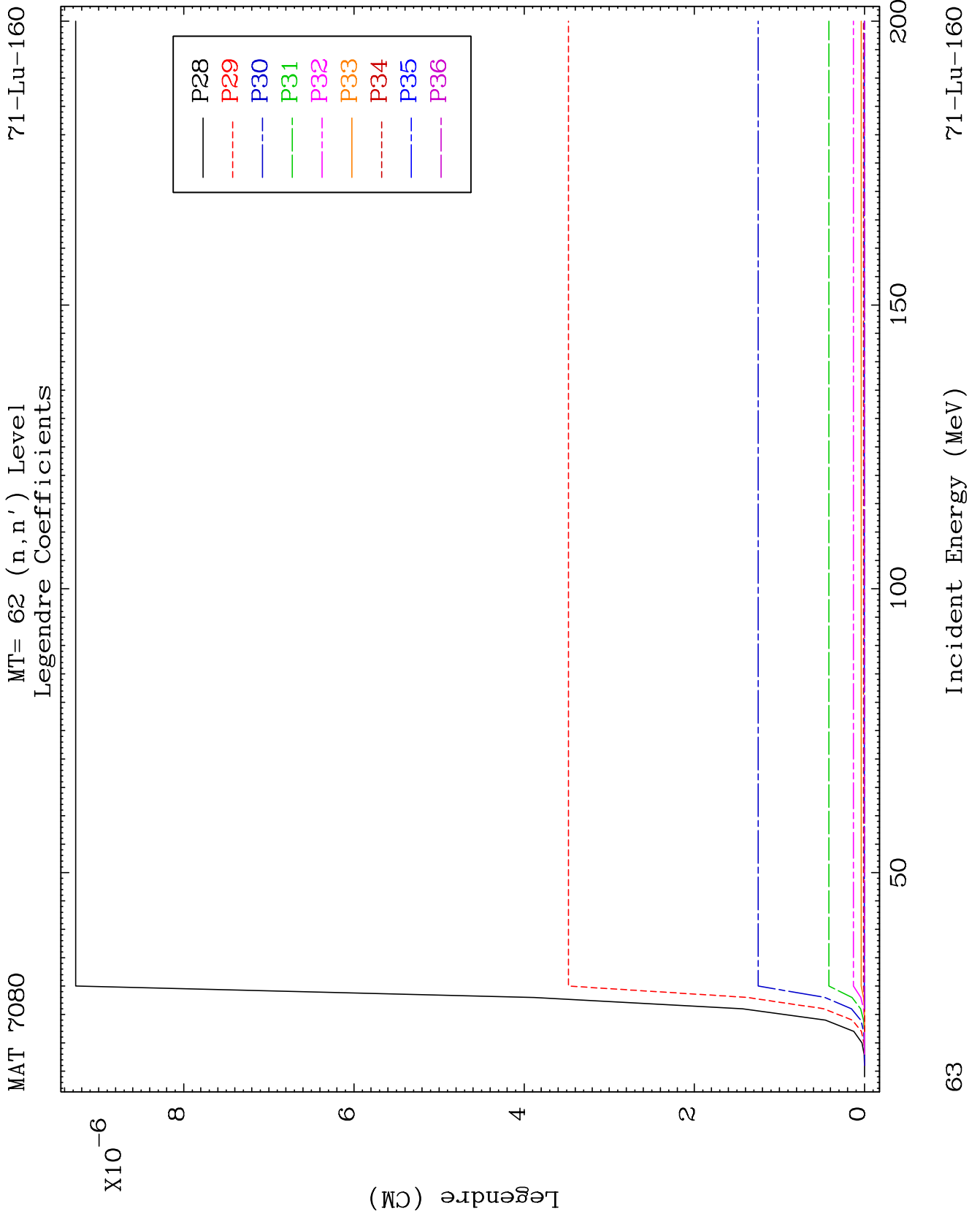
71-Lu-160

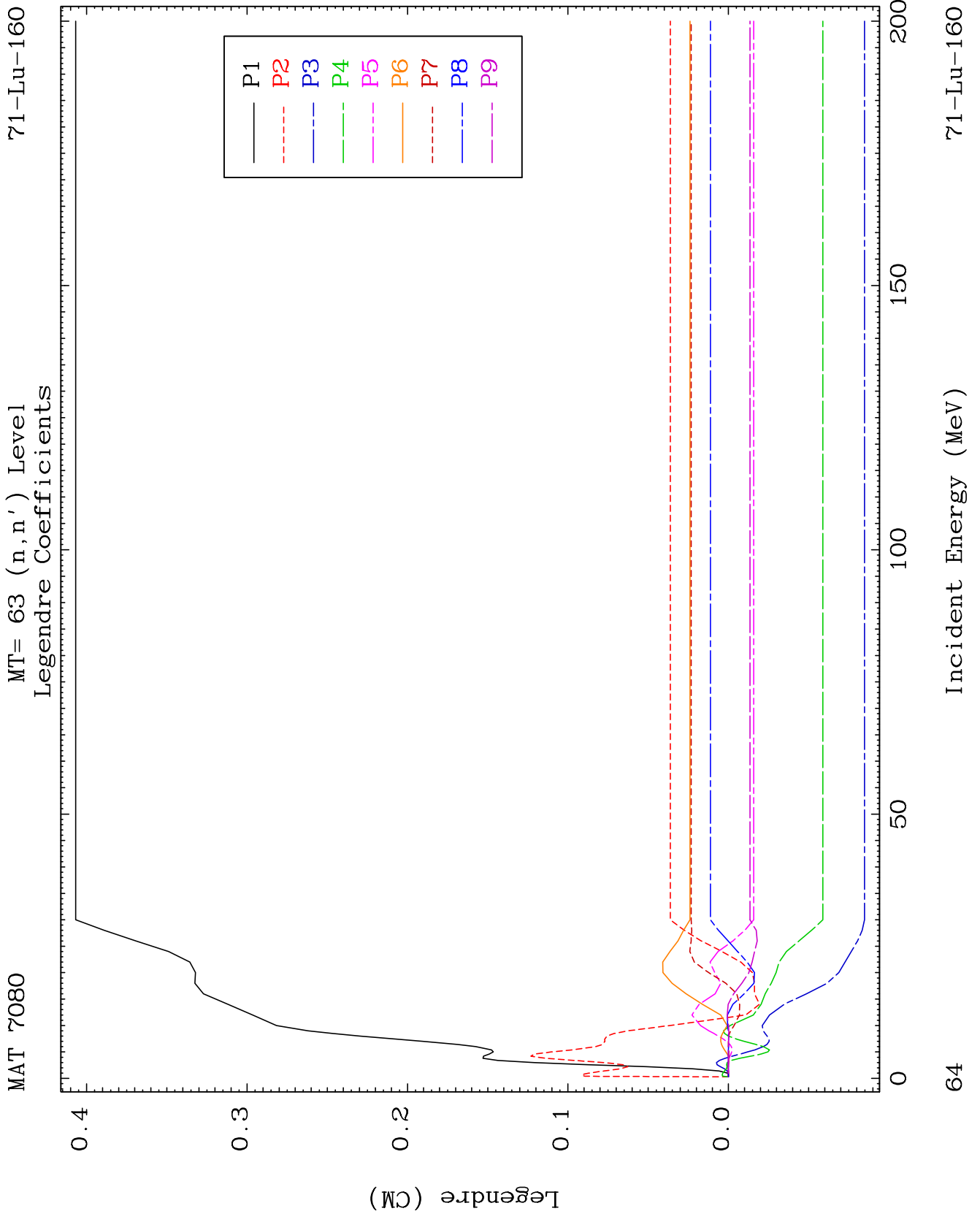


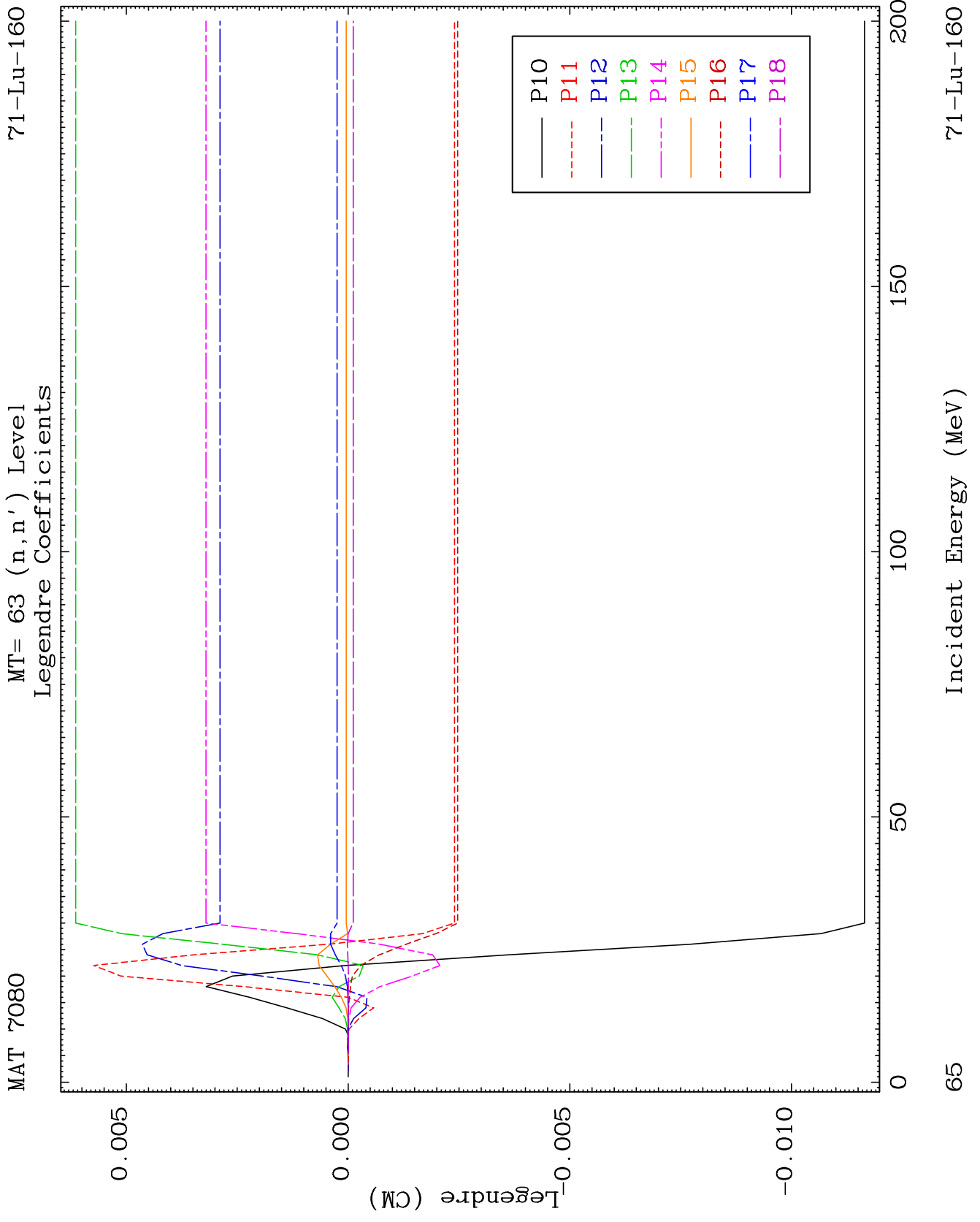


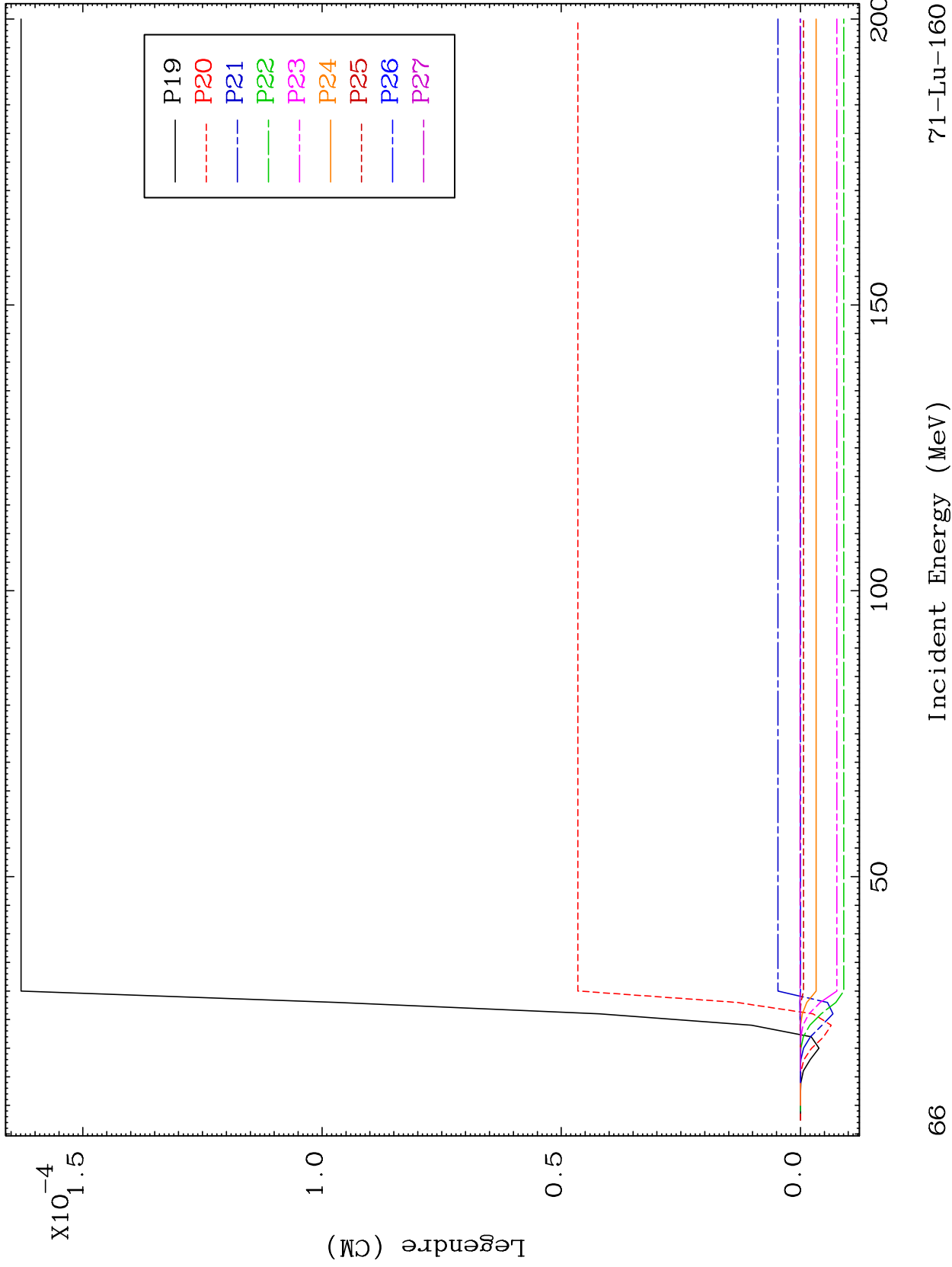








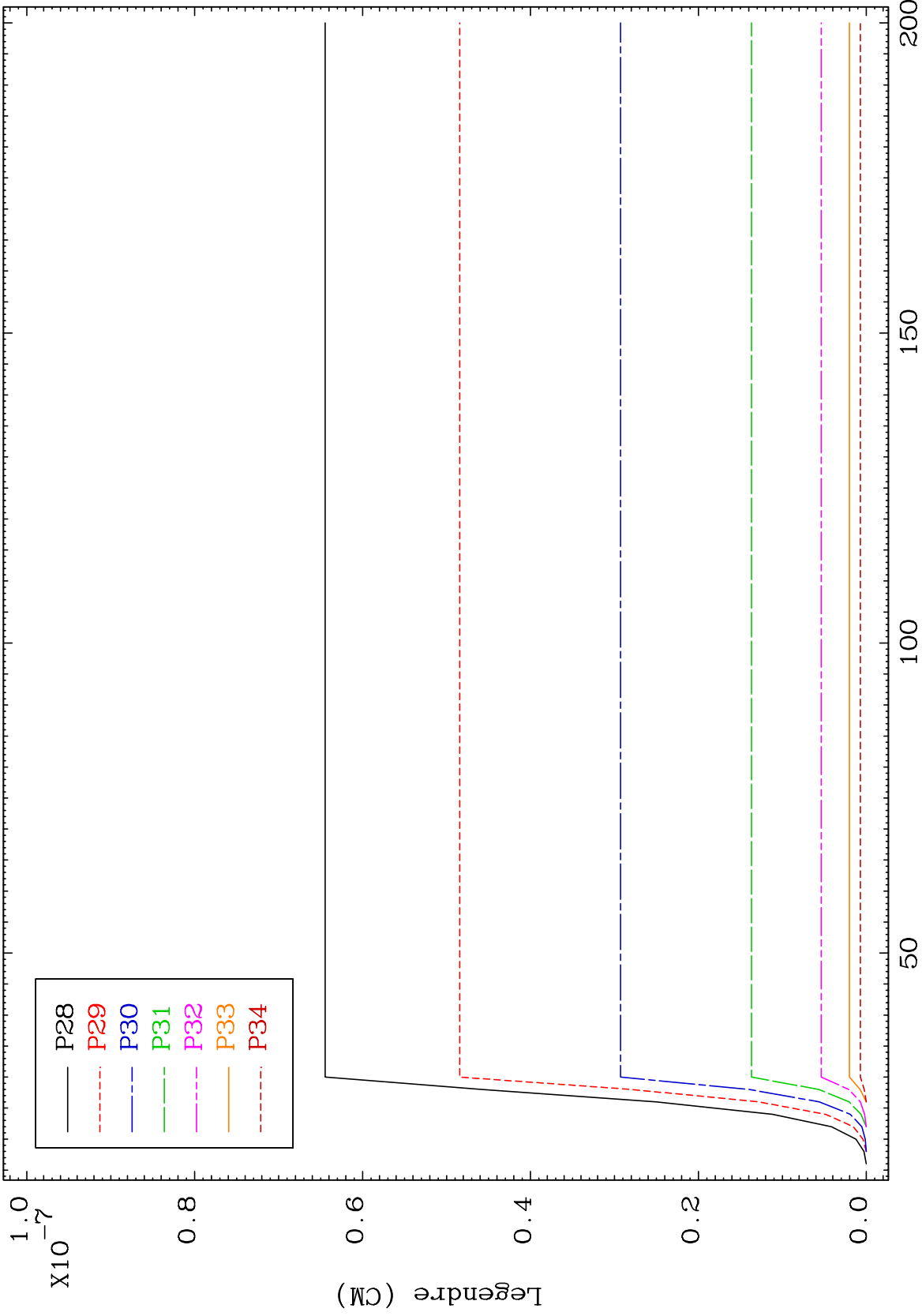




MAT 7080

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

71-Lu-160



67

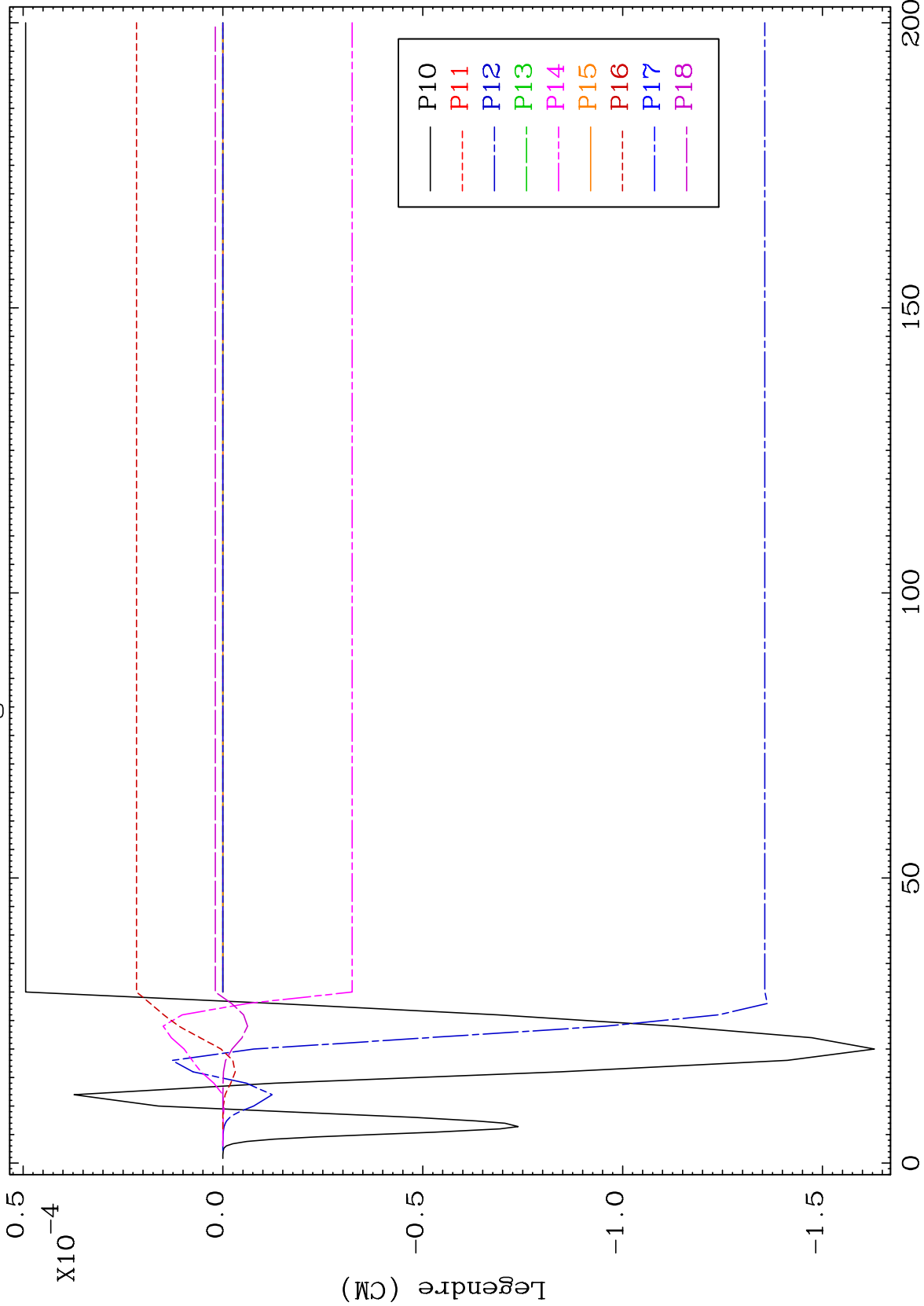
Incident Energy (MeV)

71-Lu-160

MAT 7080

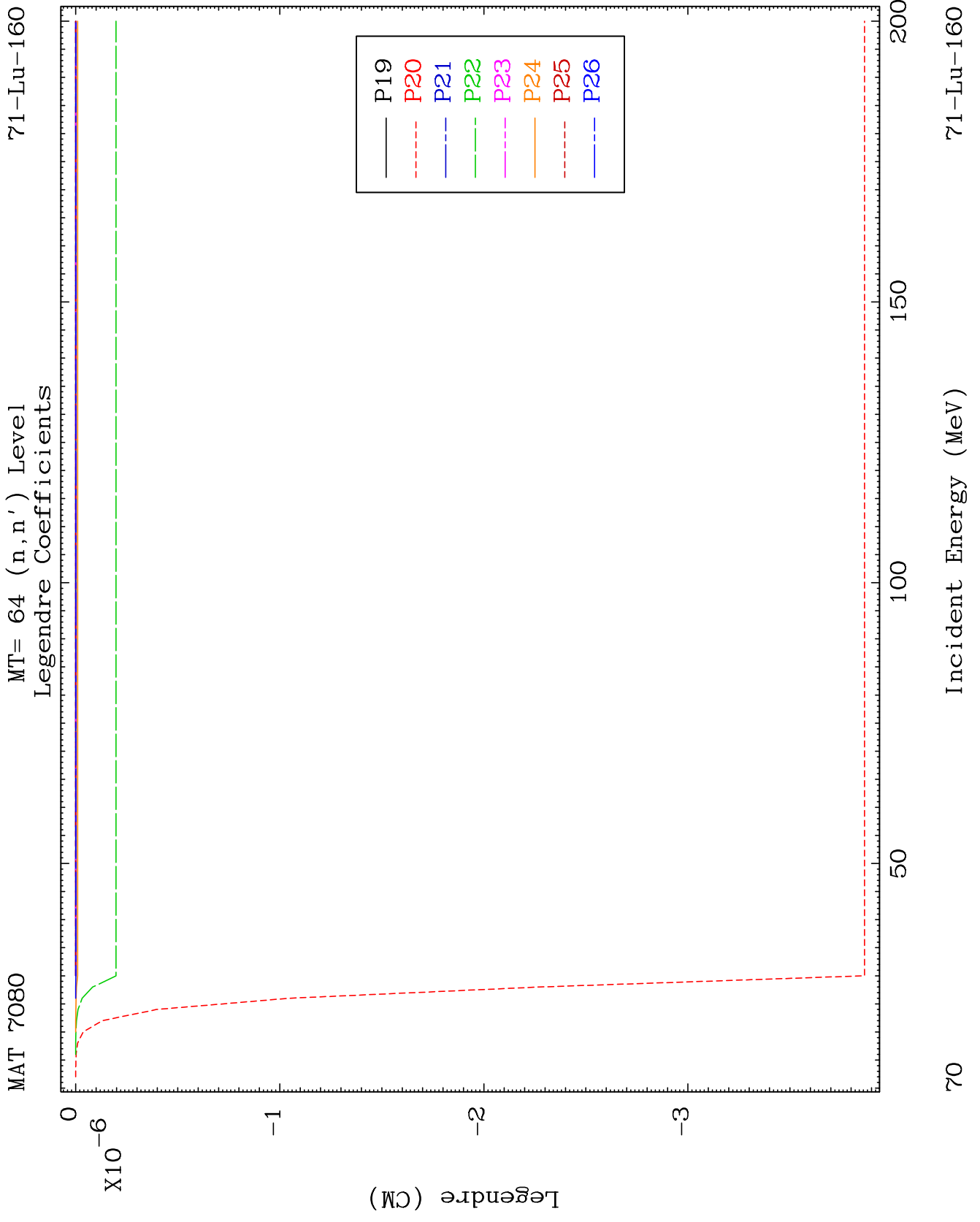
MT= 64 (n,n') Level
Legendre Coefficients

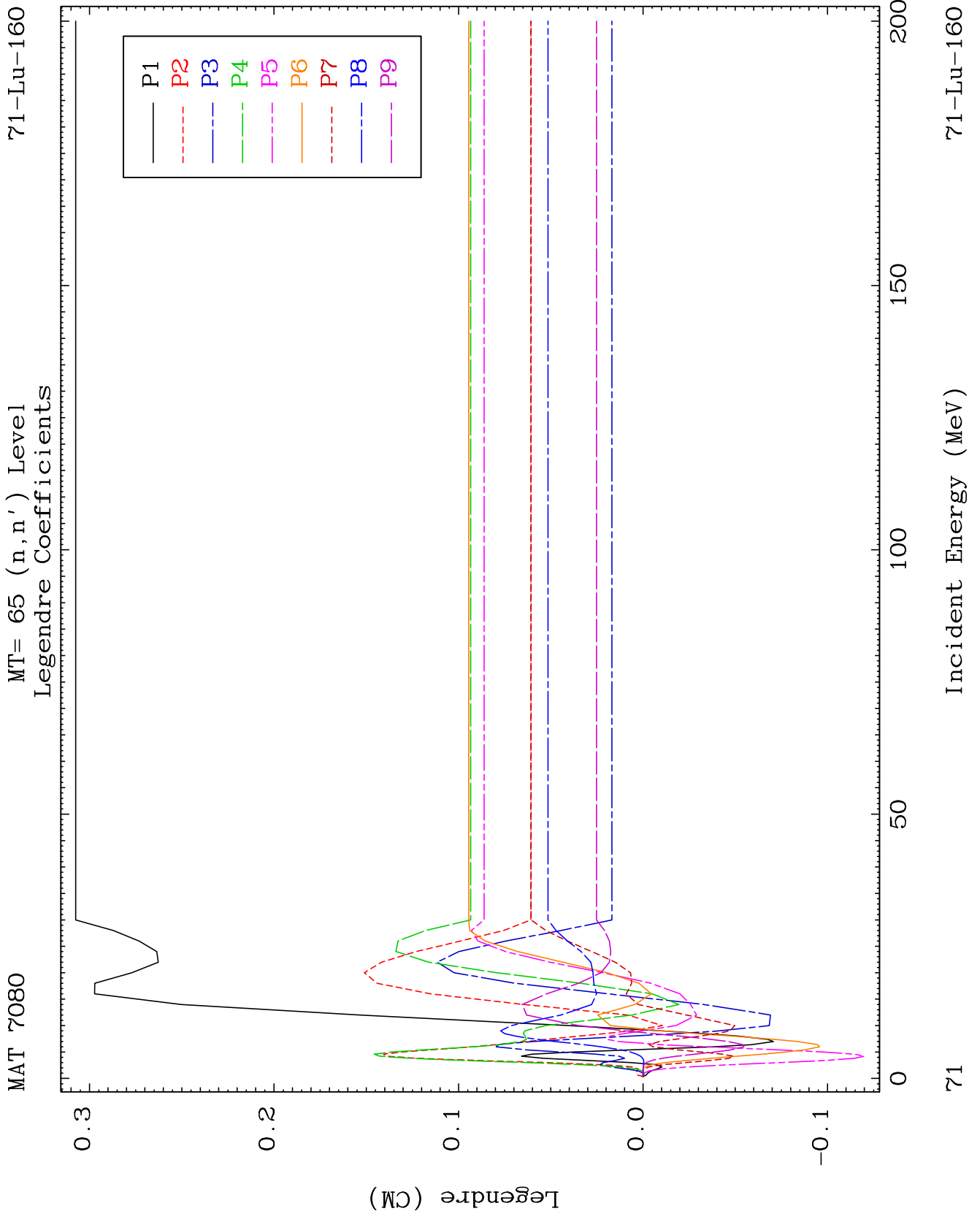
71-Lu-160



69

71-Lu-160

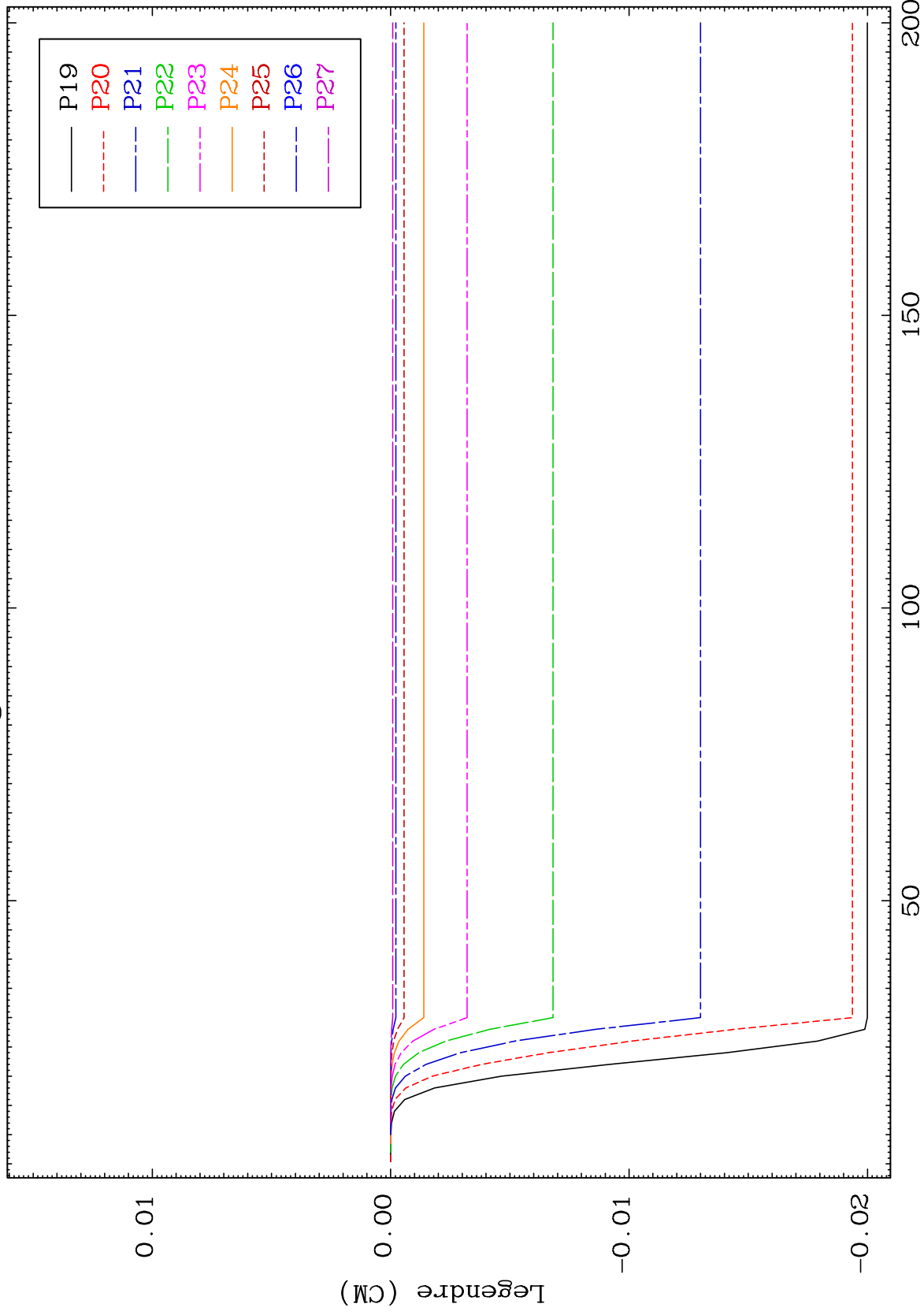




MAT 7080

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

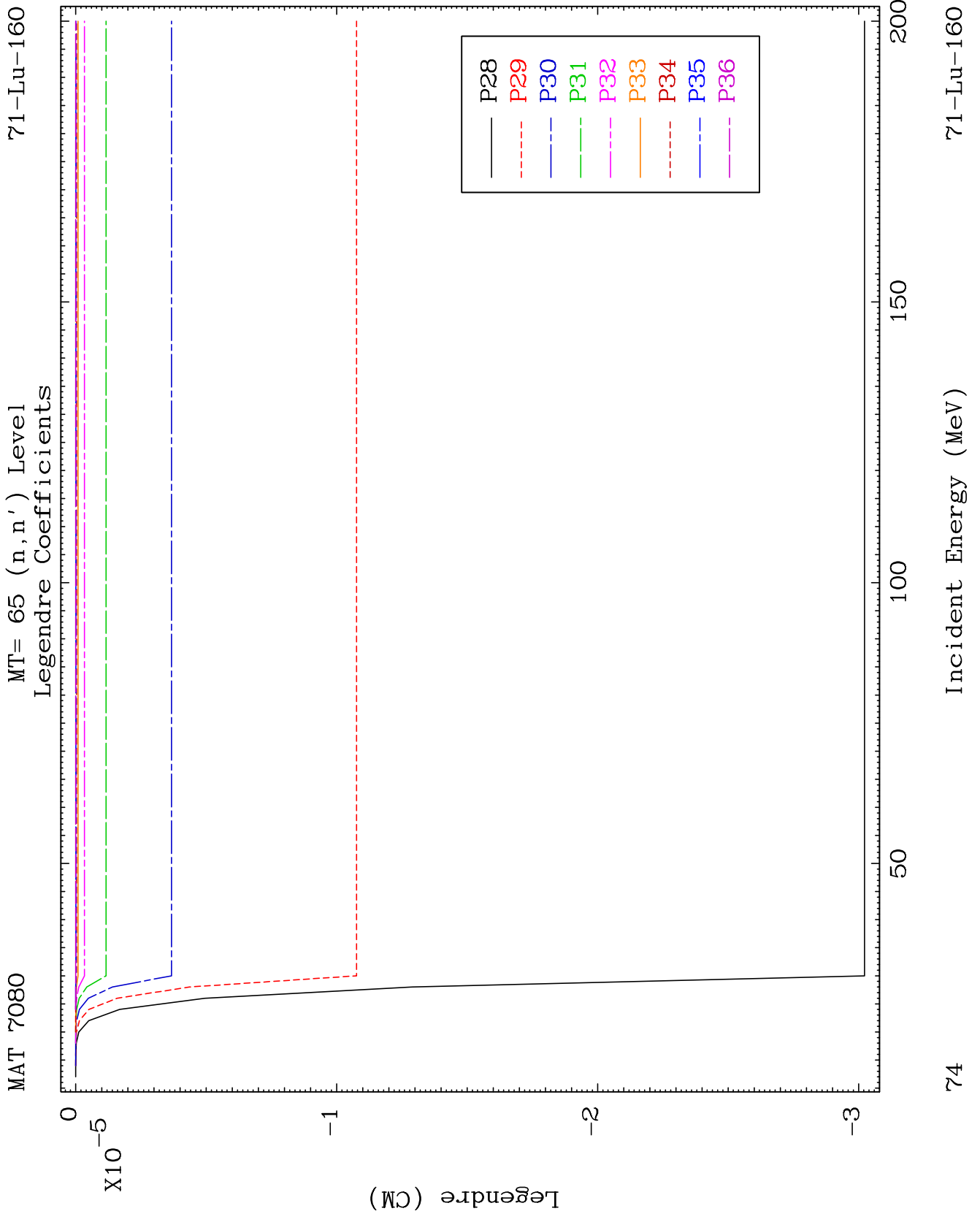
71-Lu-160

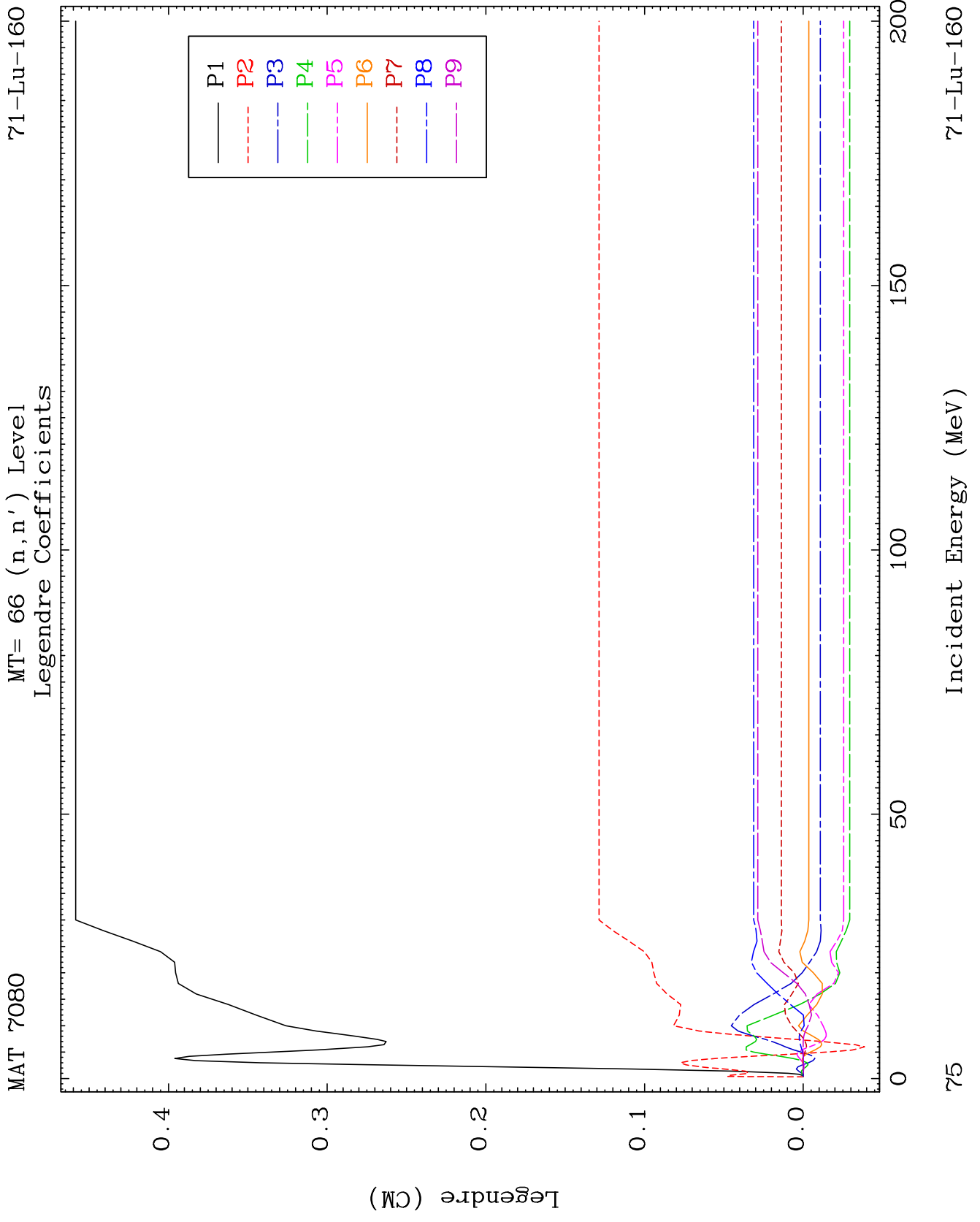


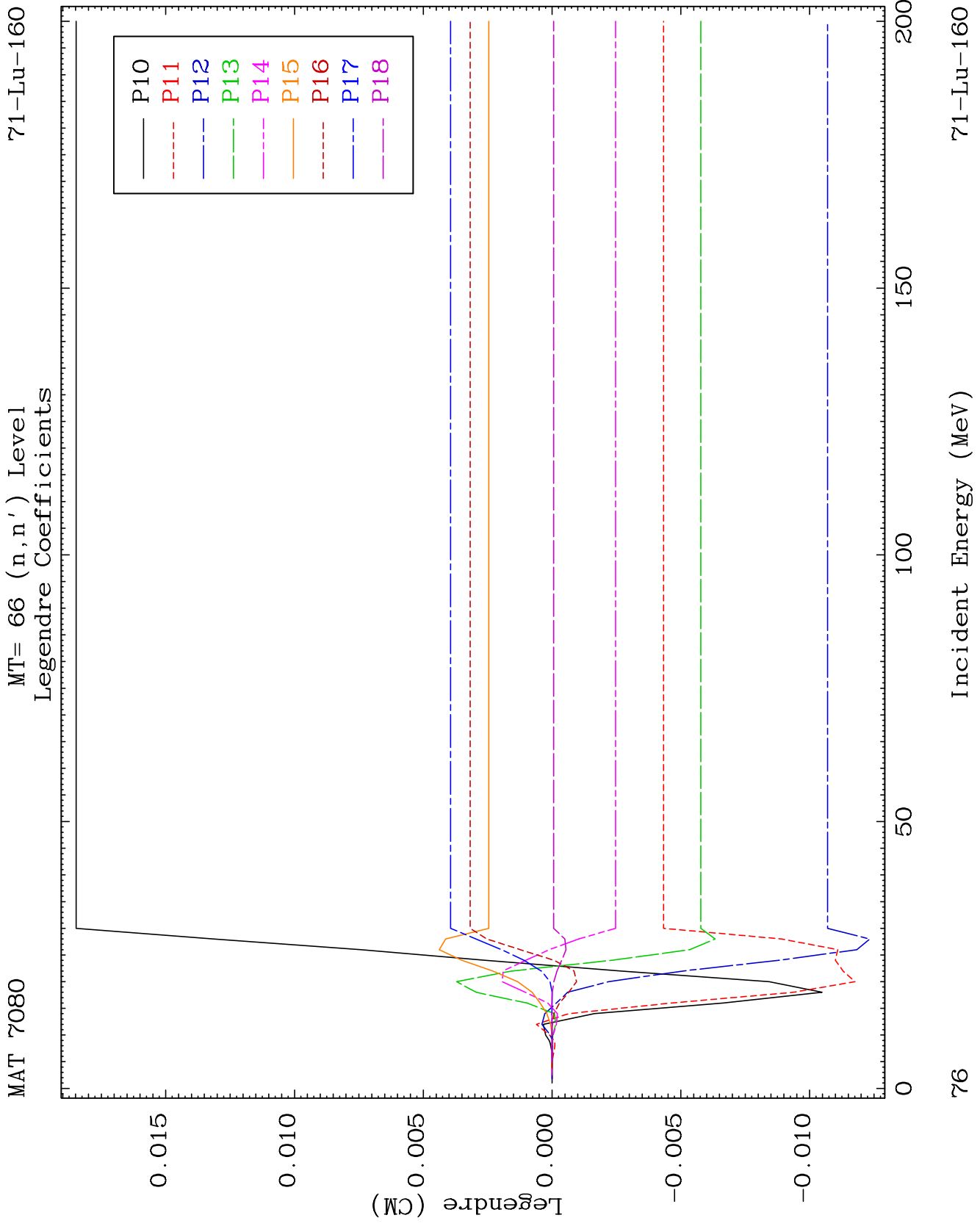
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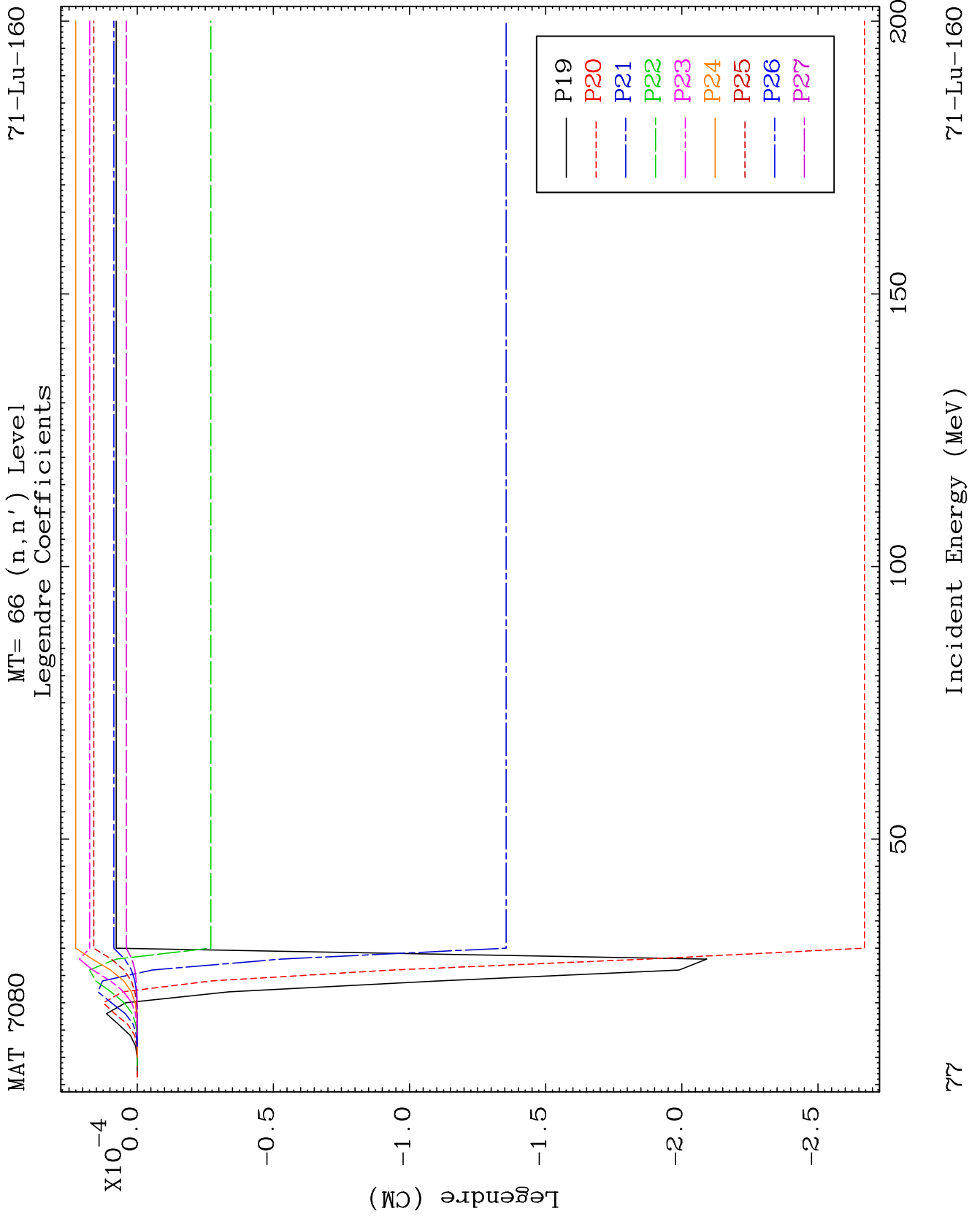
Incident Energy (MeV)

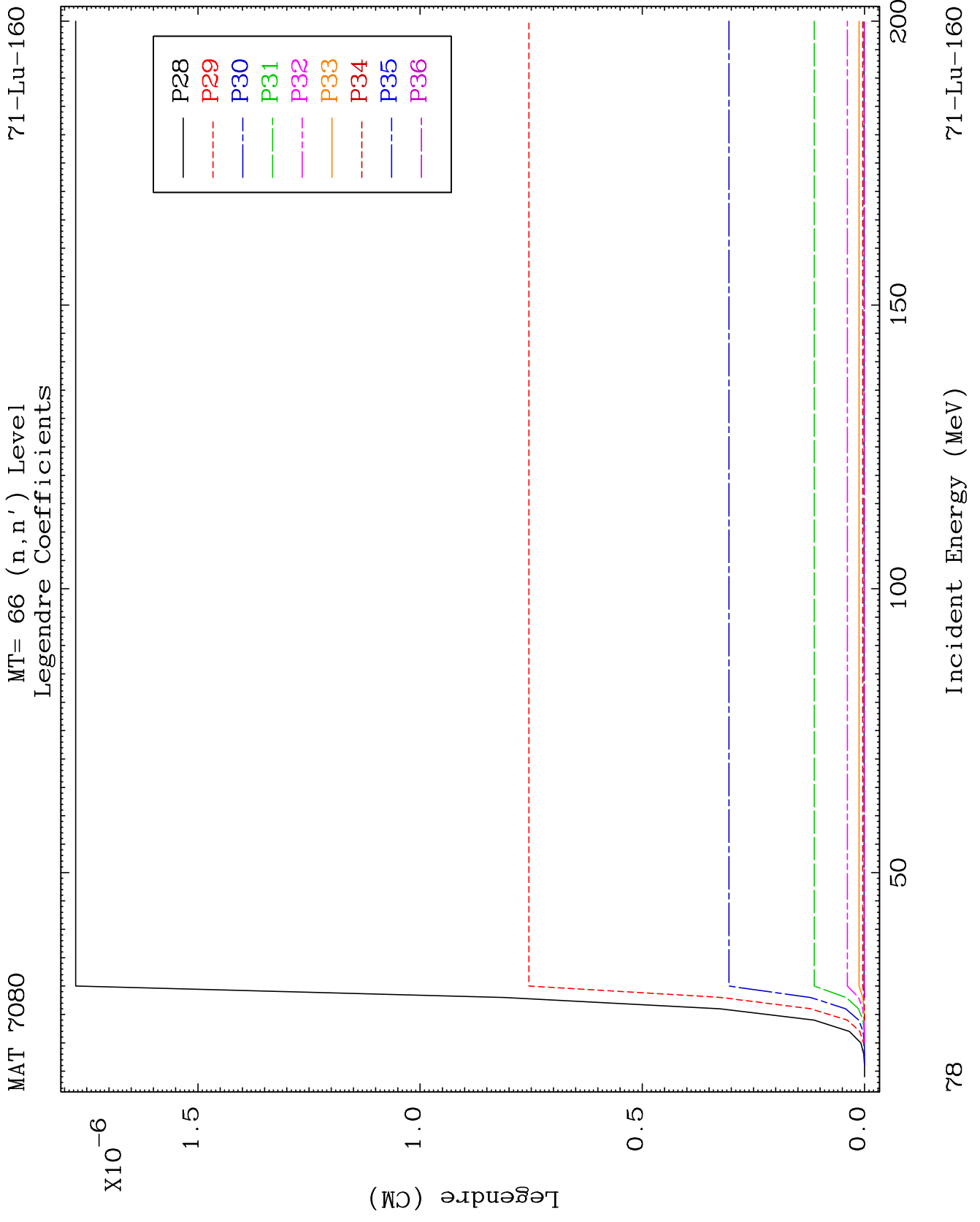
71-Lu-160

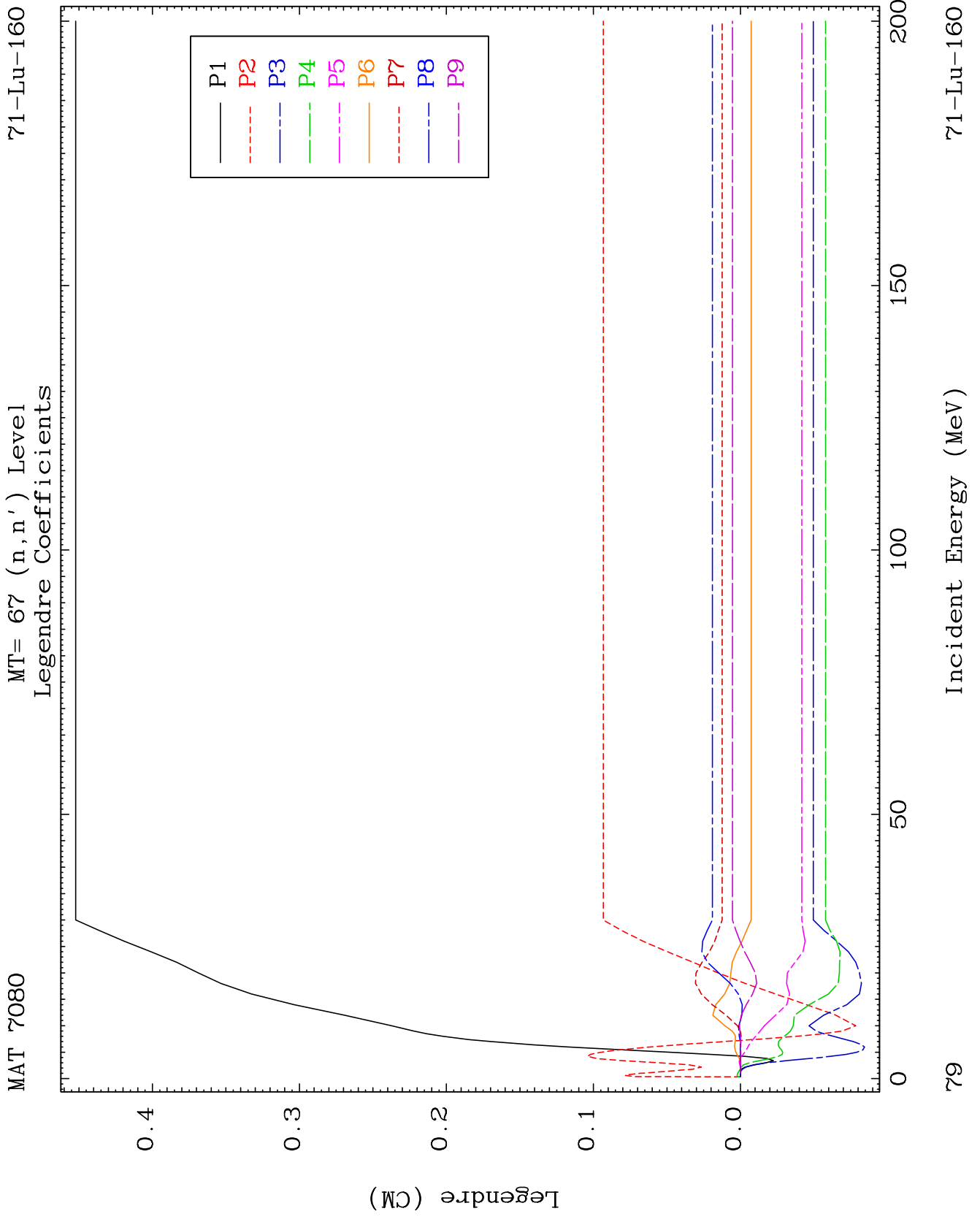








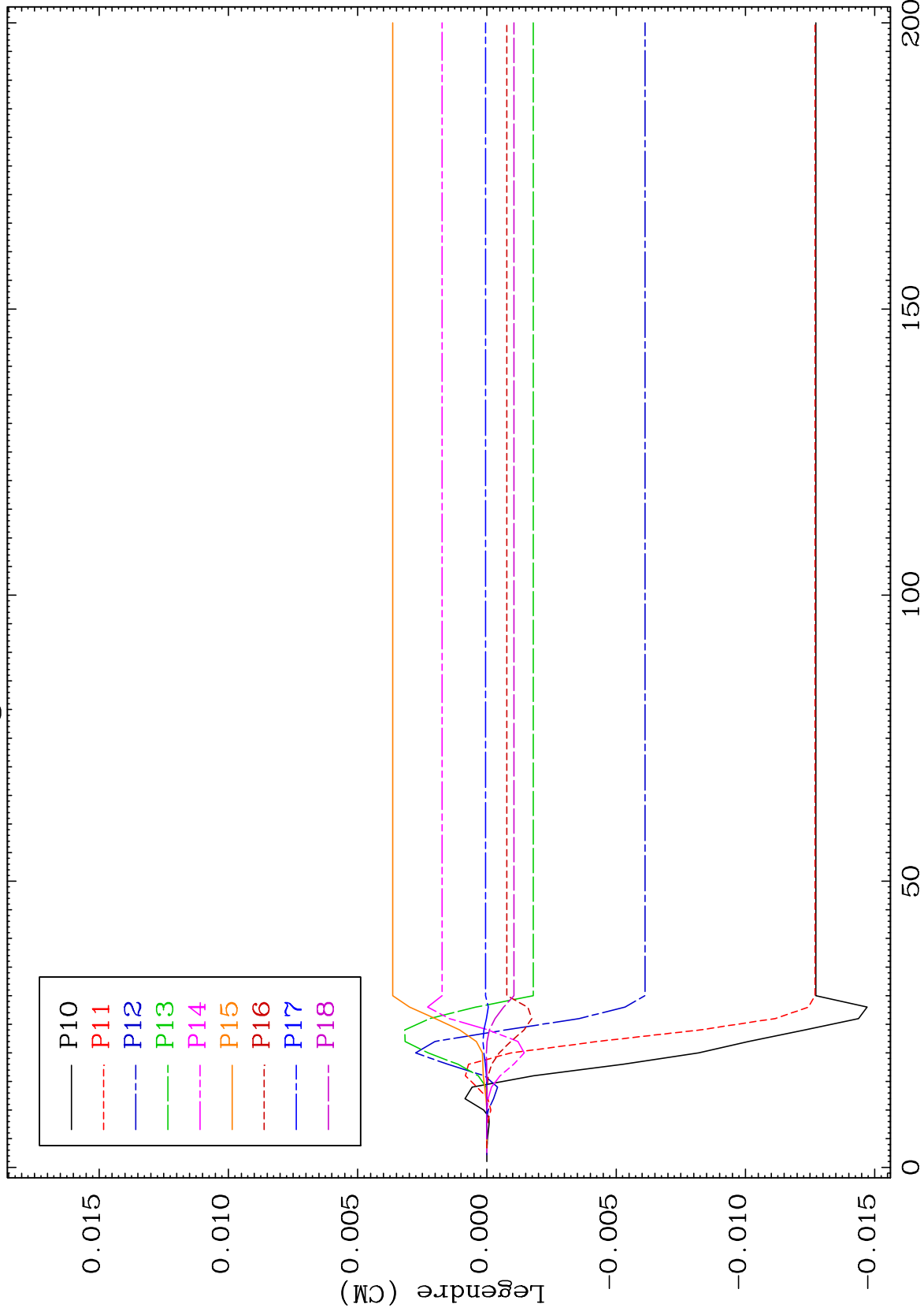




MAT 7080

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

71-Lu-160



80

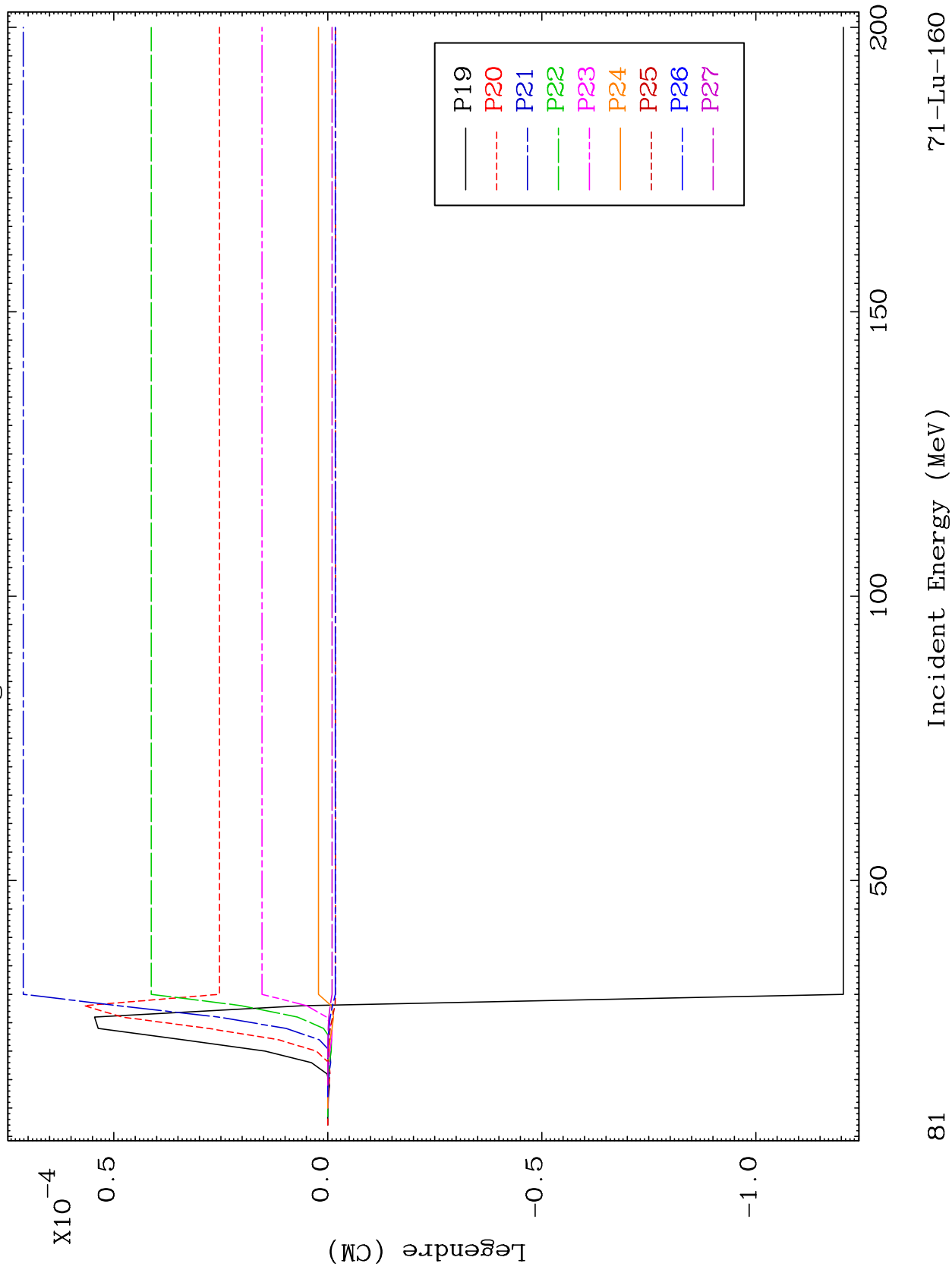
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

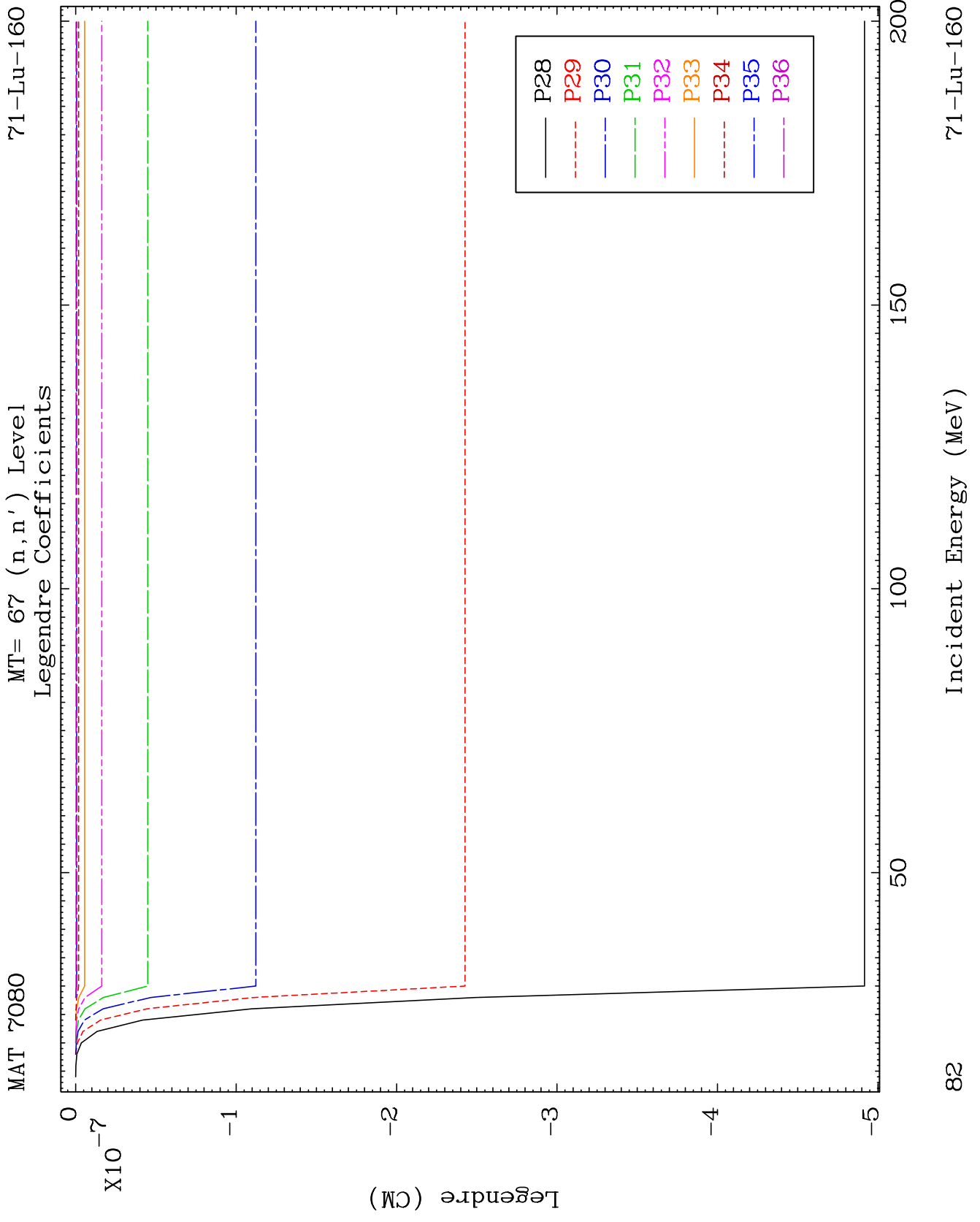
71-Lu-160

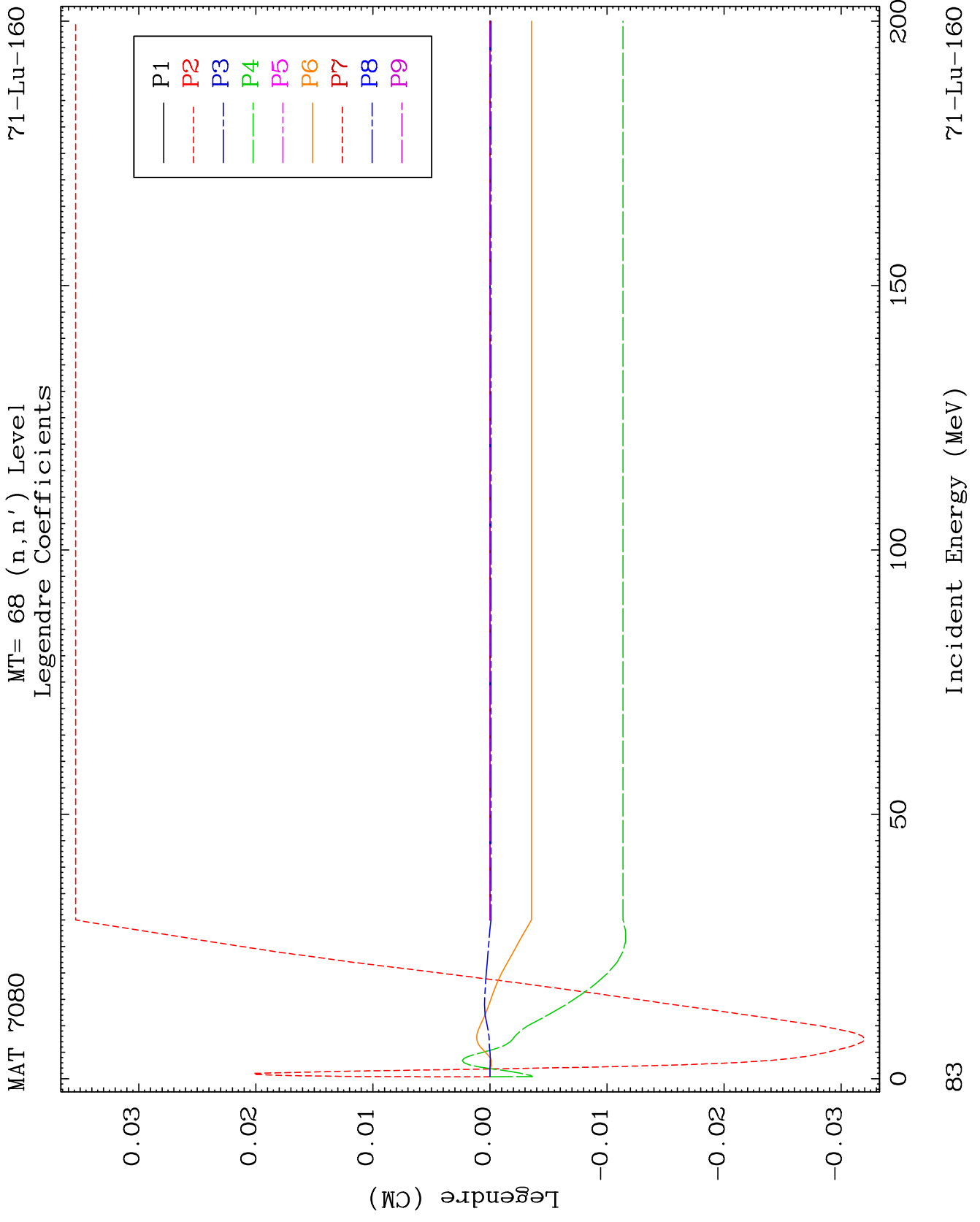


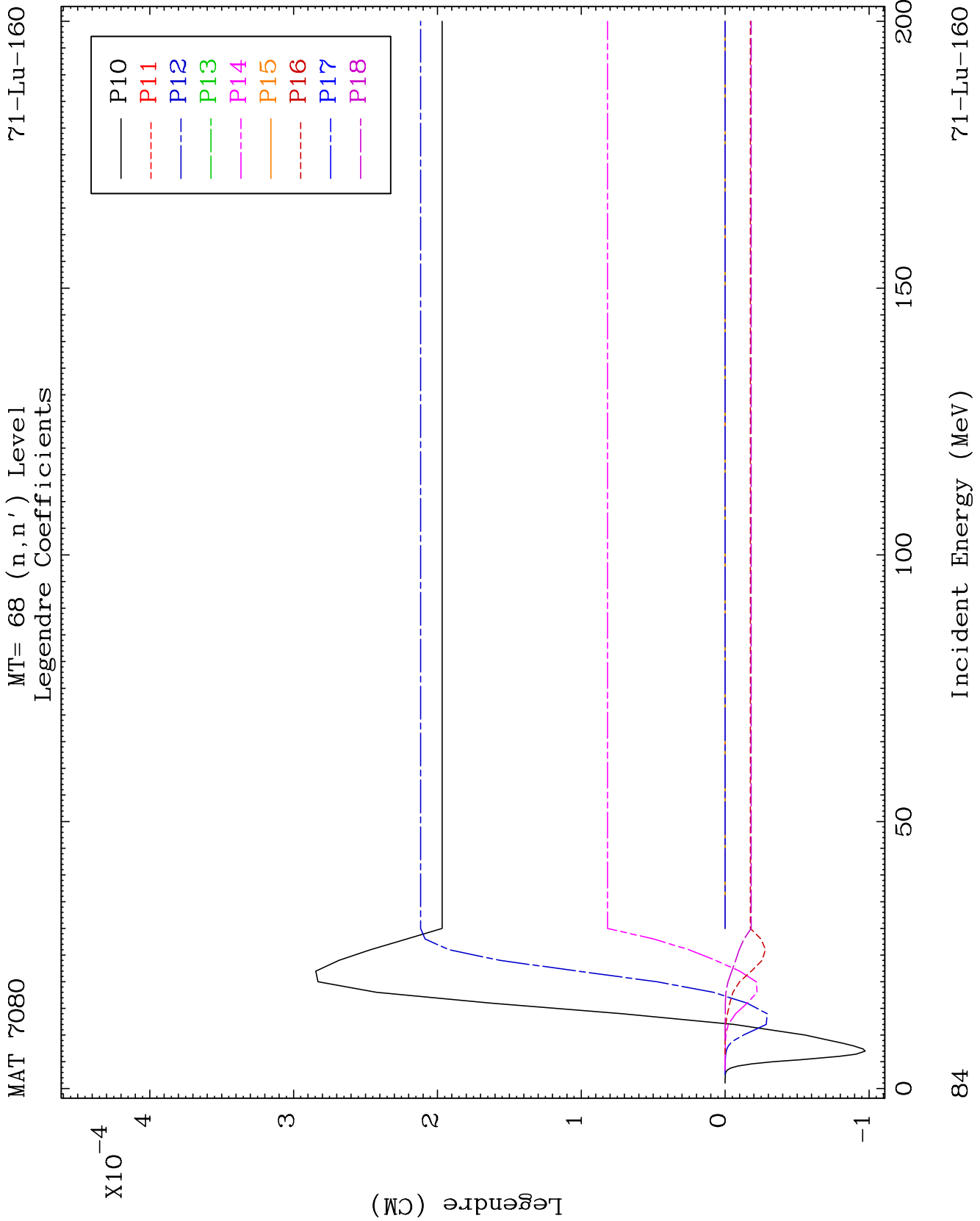
81

Incident Energy (MeV)

71-Lu-160



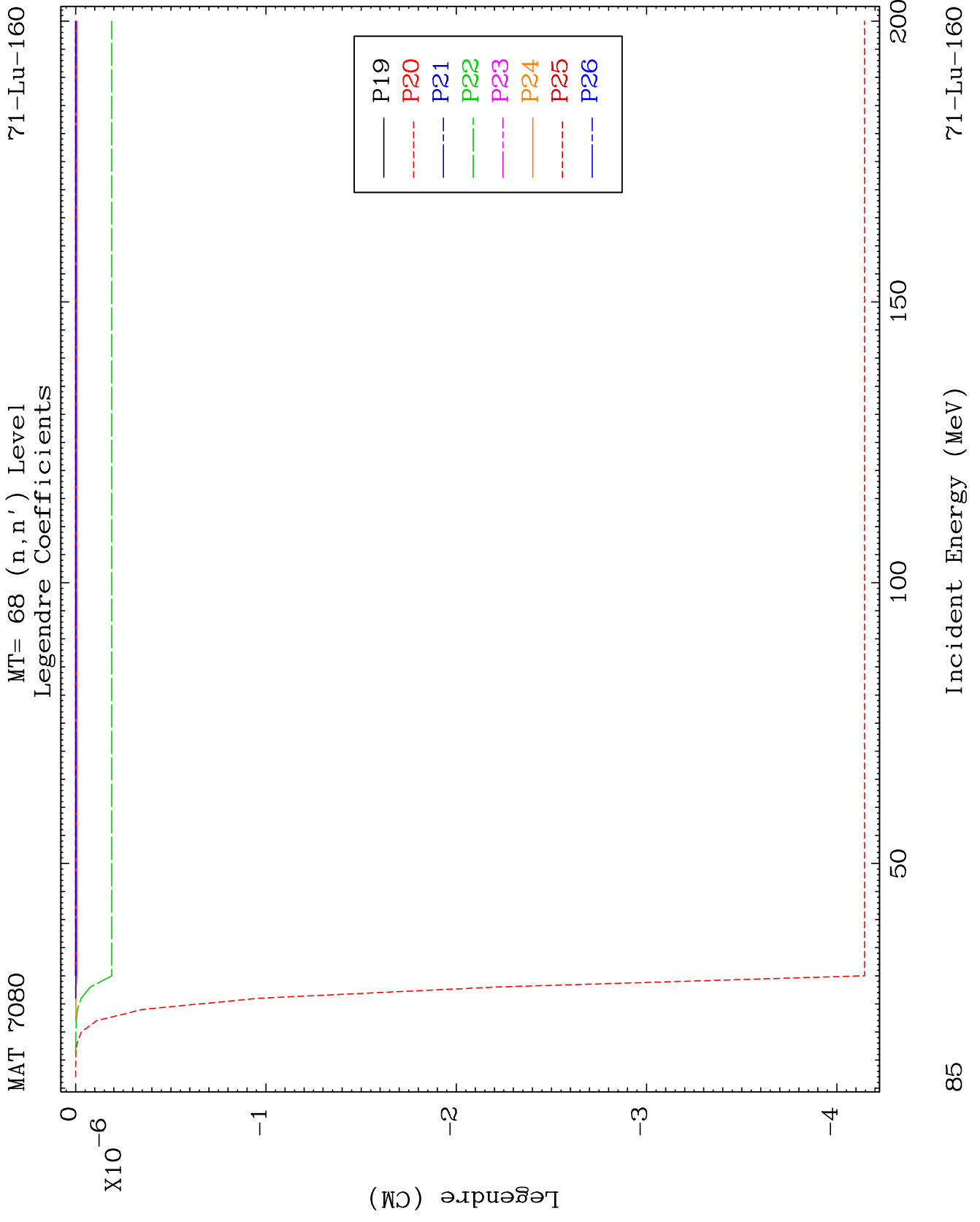




71-Lu-160

Incident Energy (MeV)

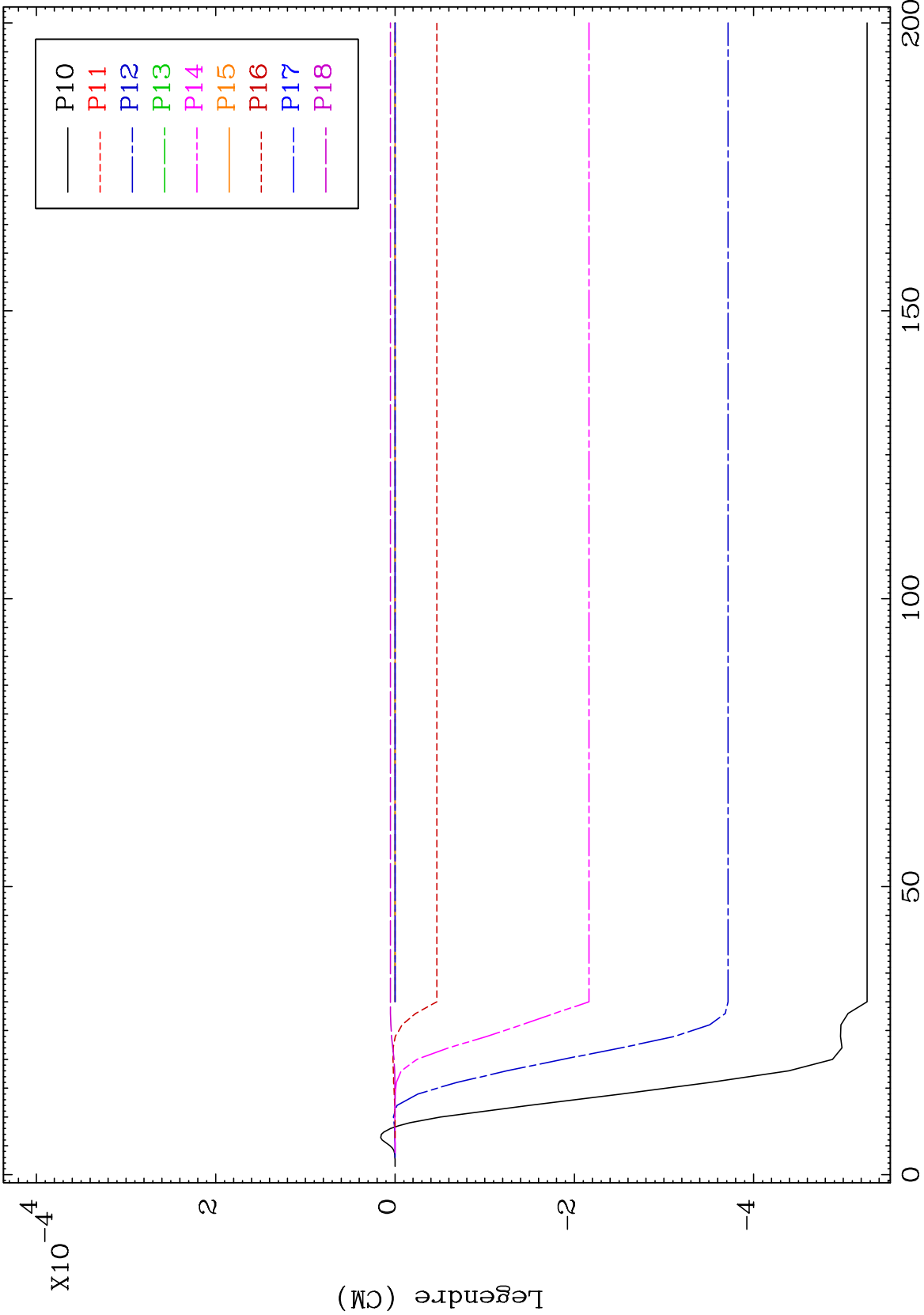
84



MAT 7080

MT= 69 (n,n') Level
Legendre Coefficients

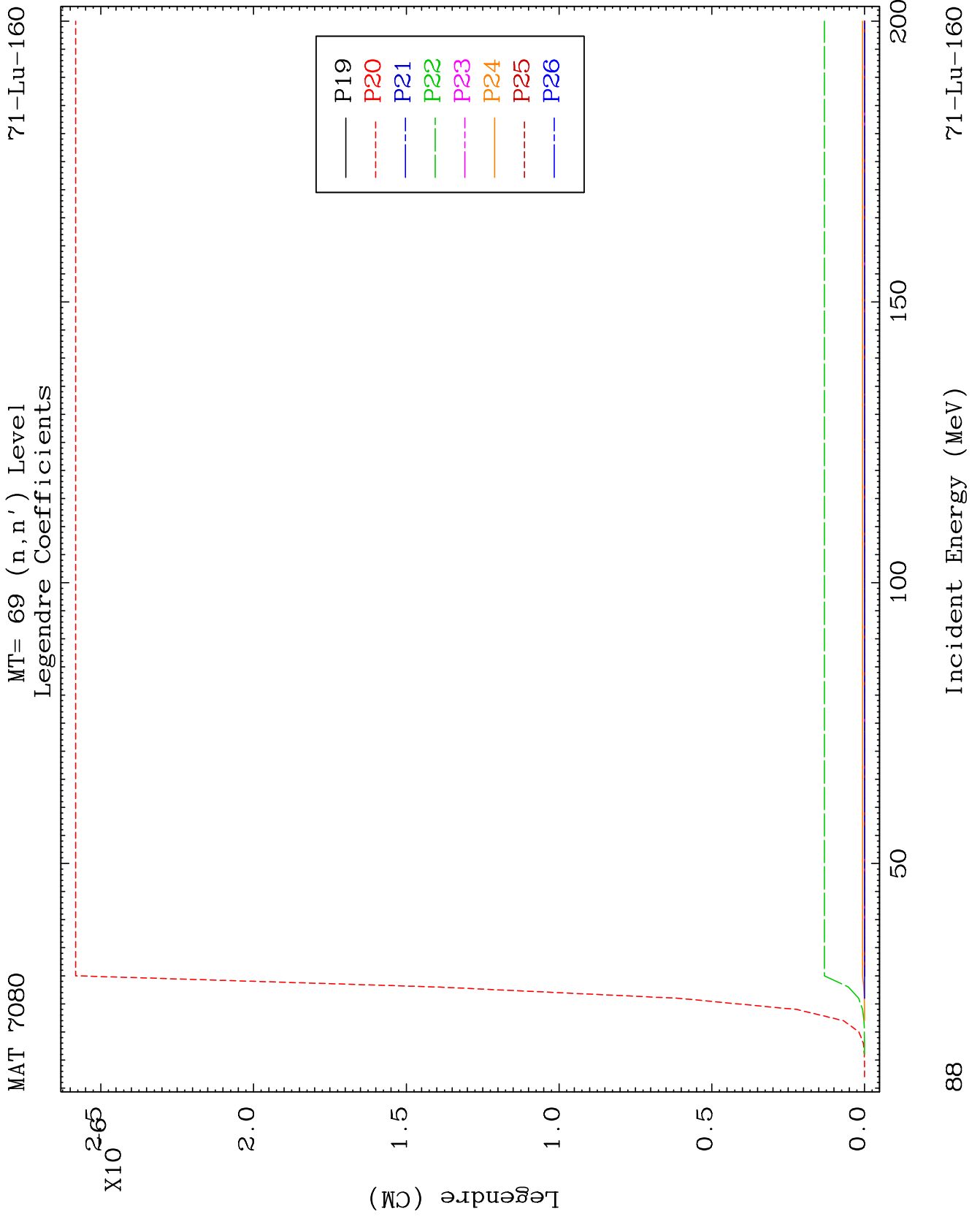
71-Lu-160

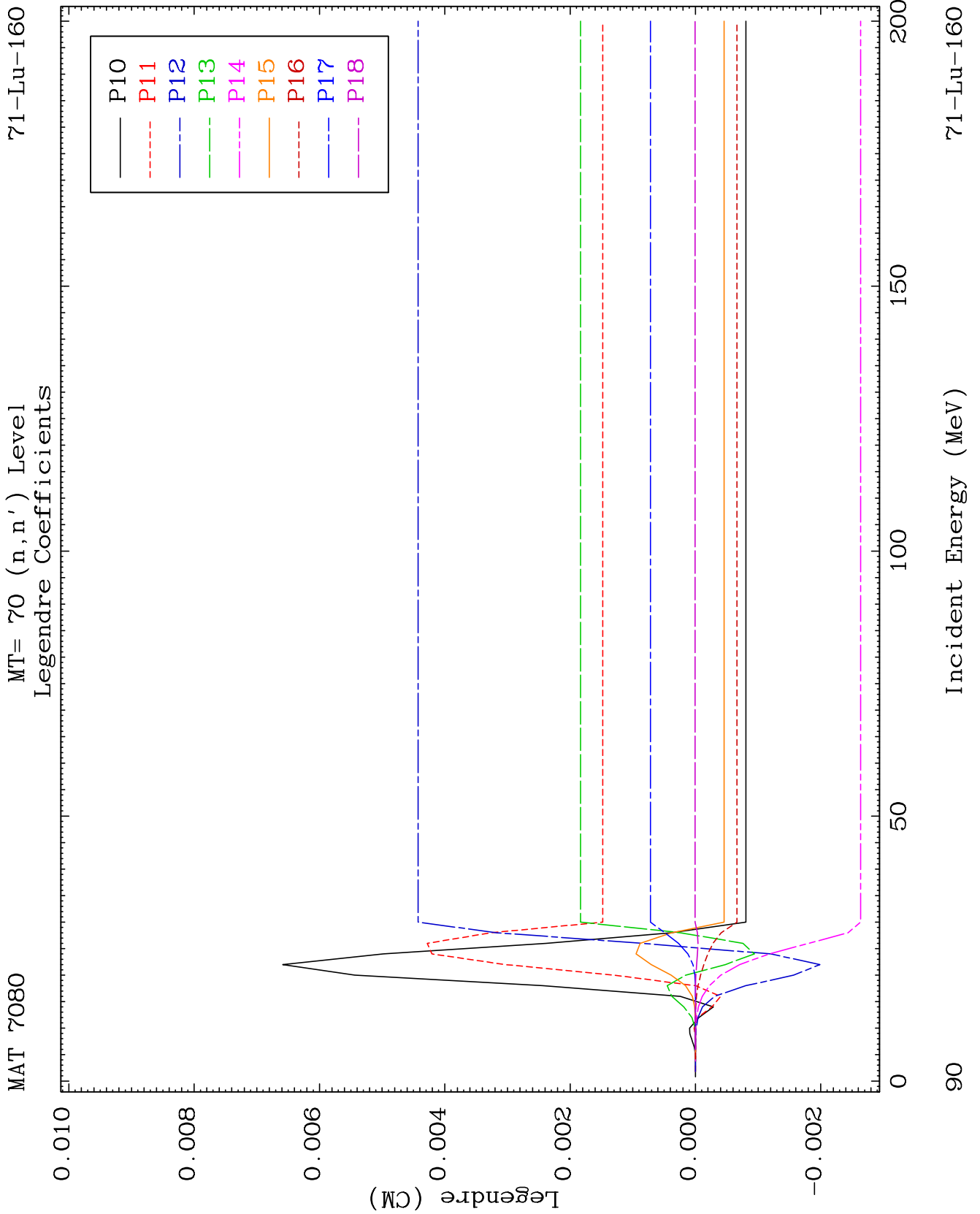


87

Incident Energy (MeV)

71-Lu-160

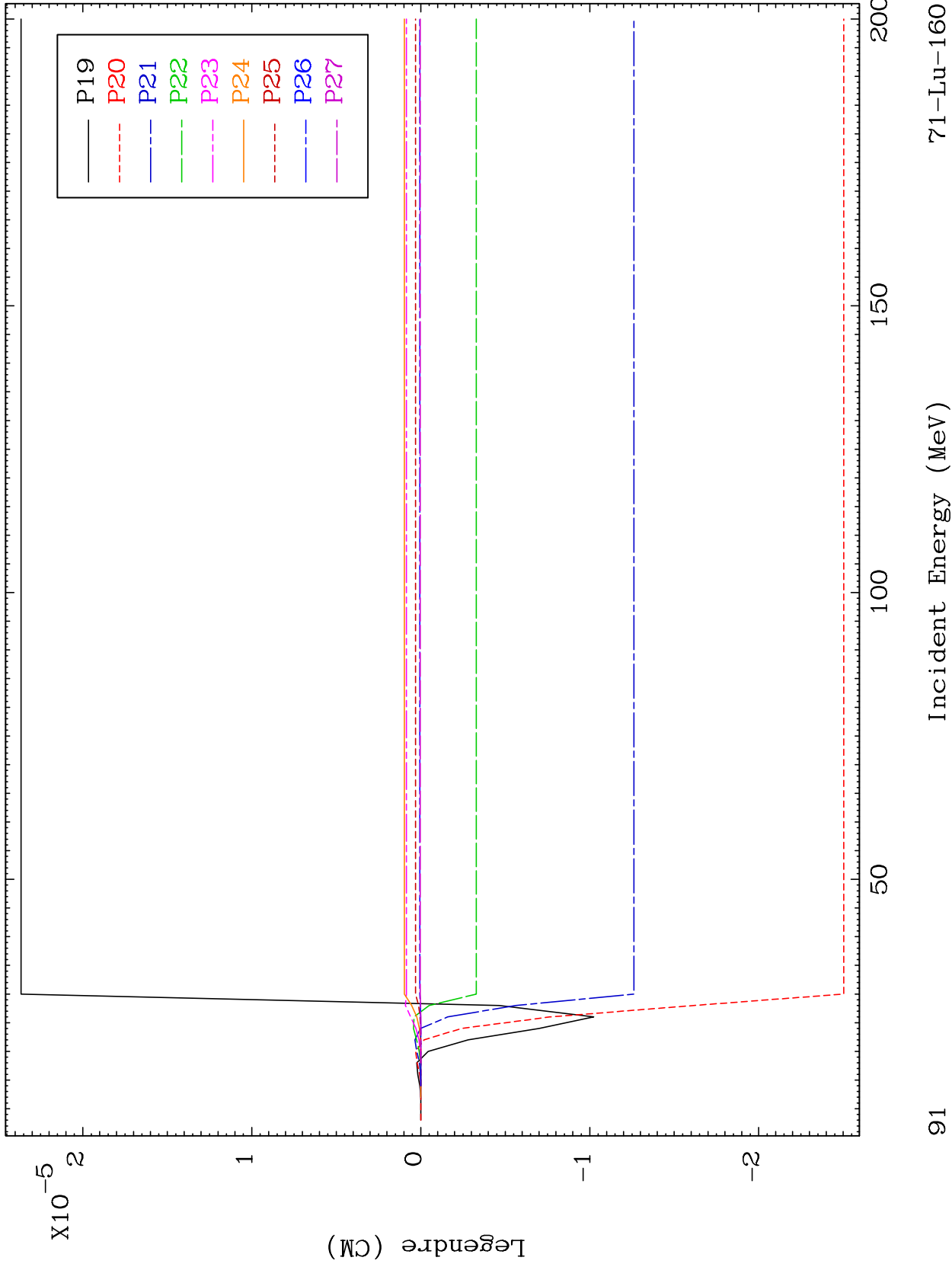


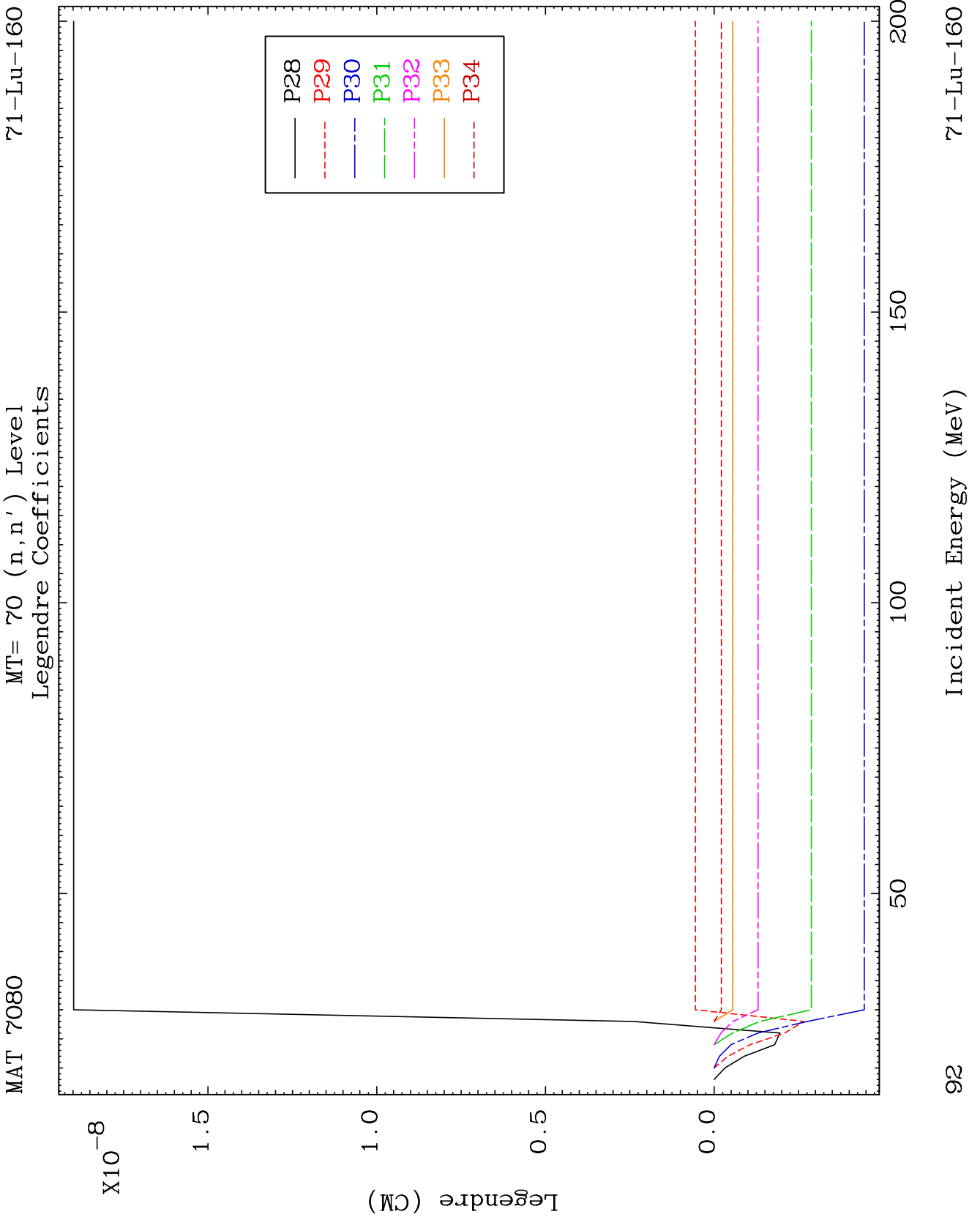


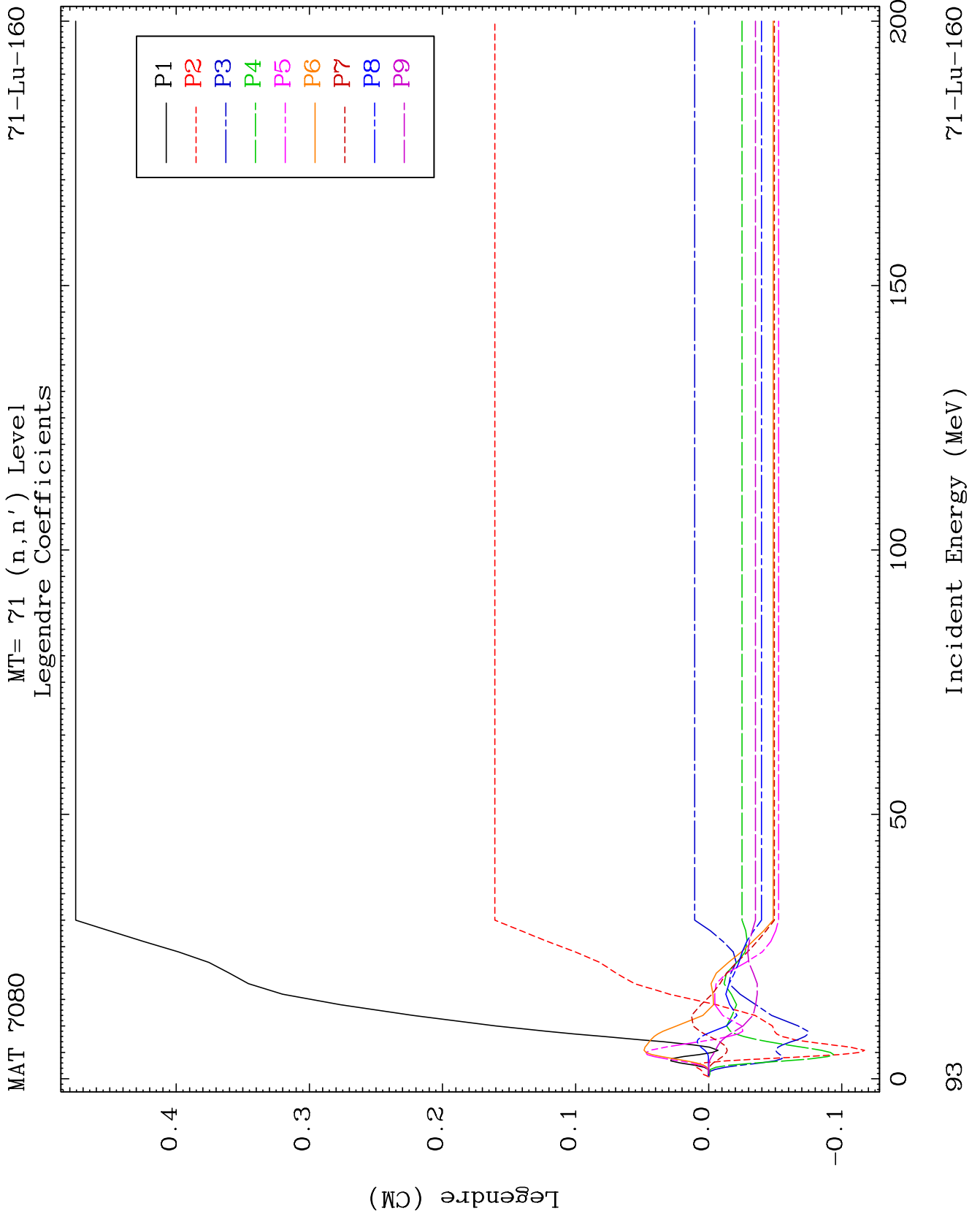
MAT 7080

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

71-Lu-160



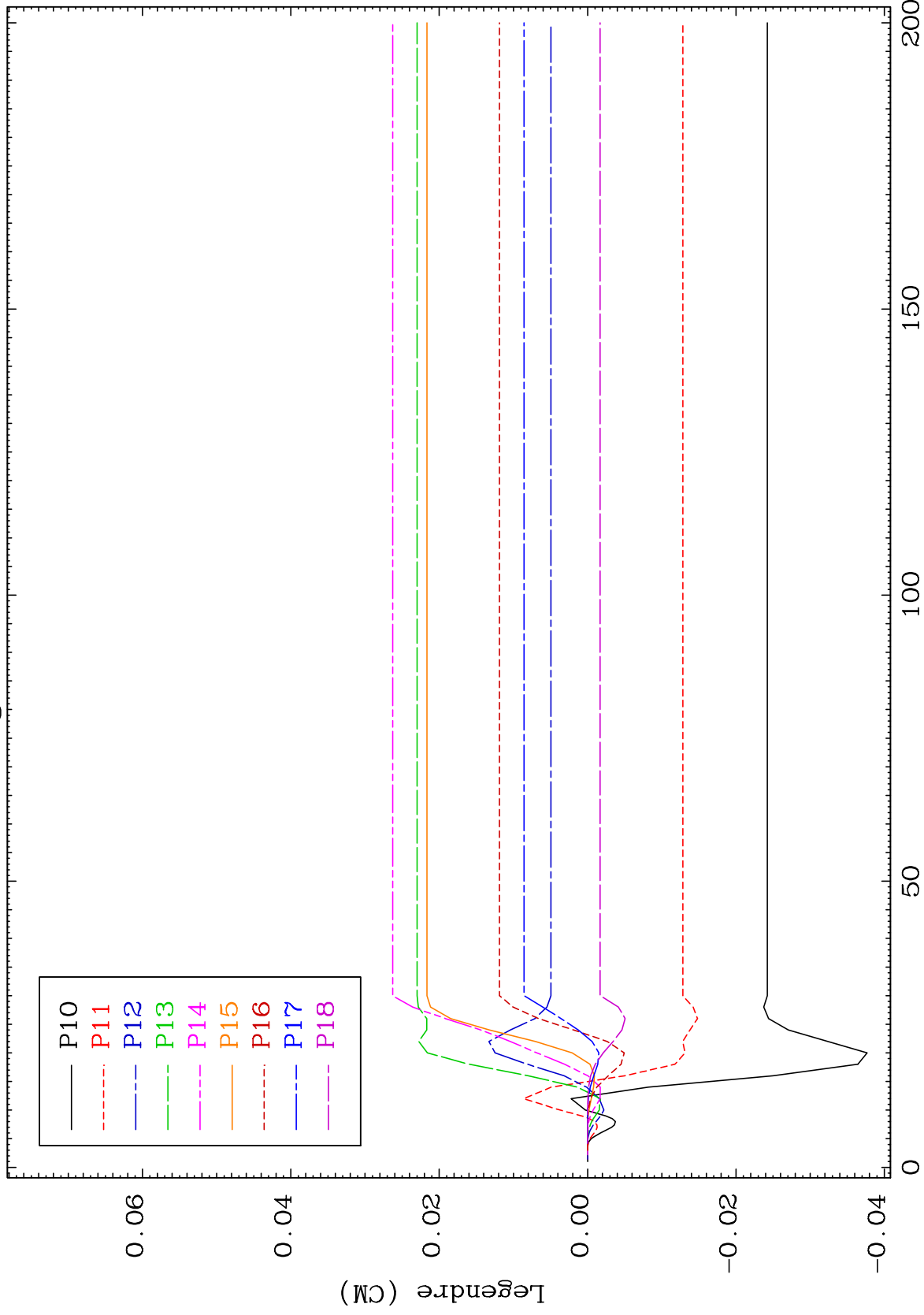




MAT 7080

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

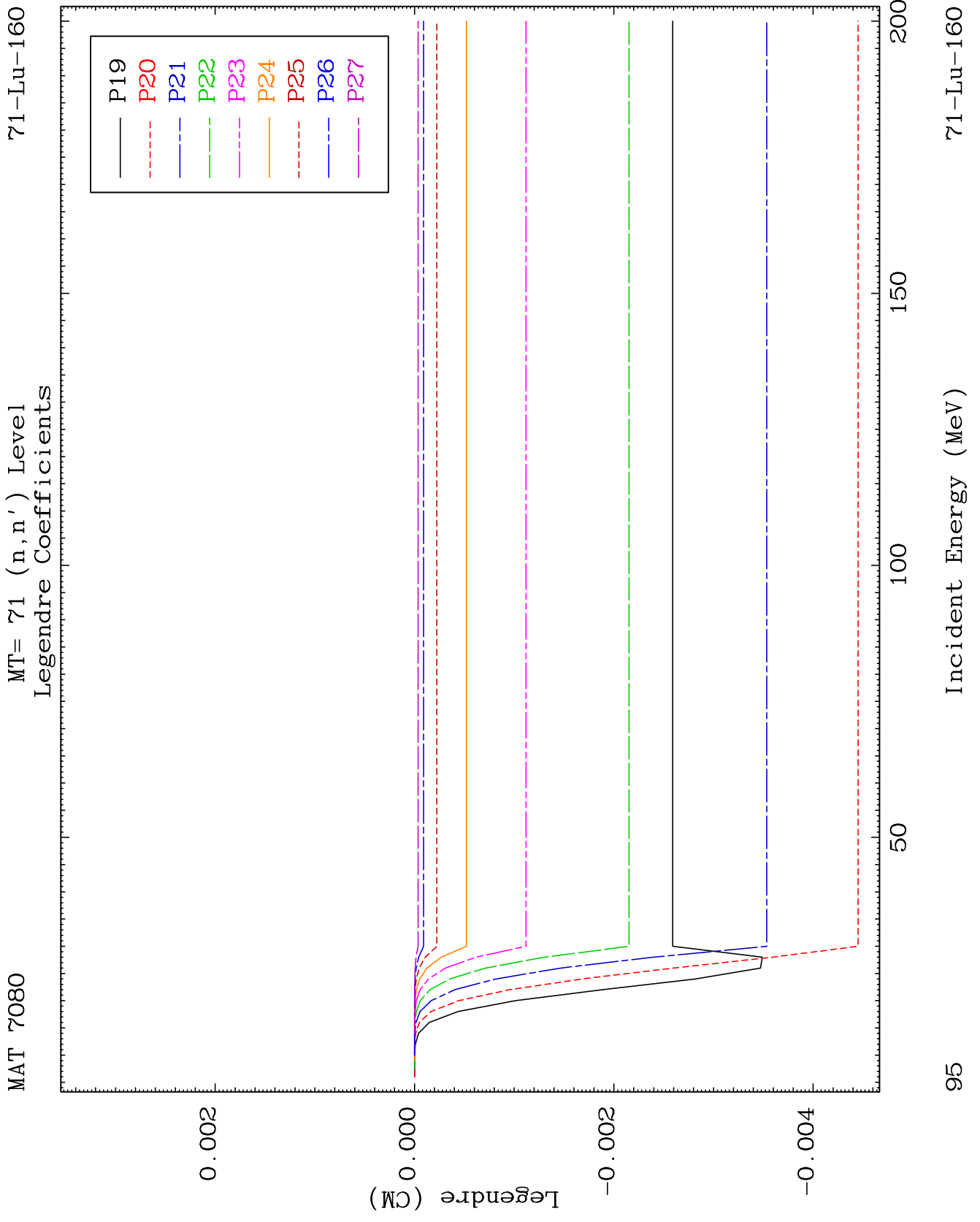
71-Lu-160

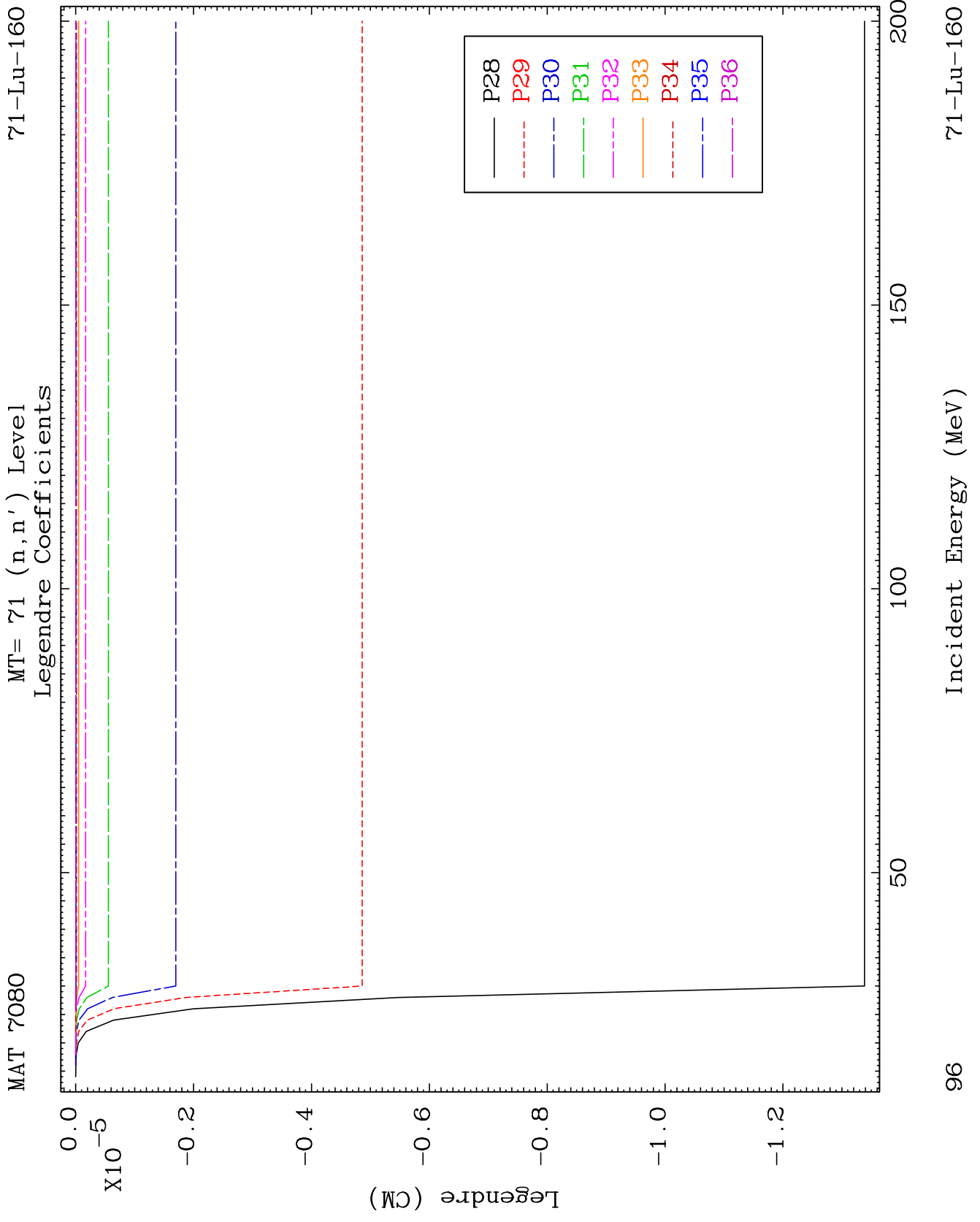


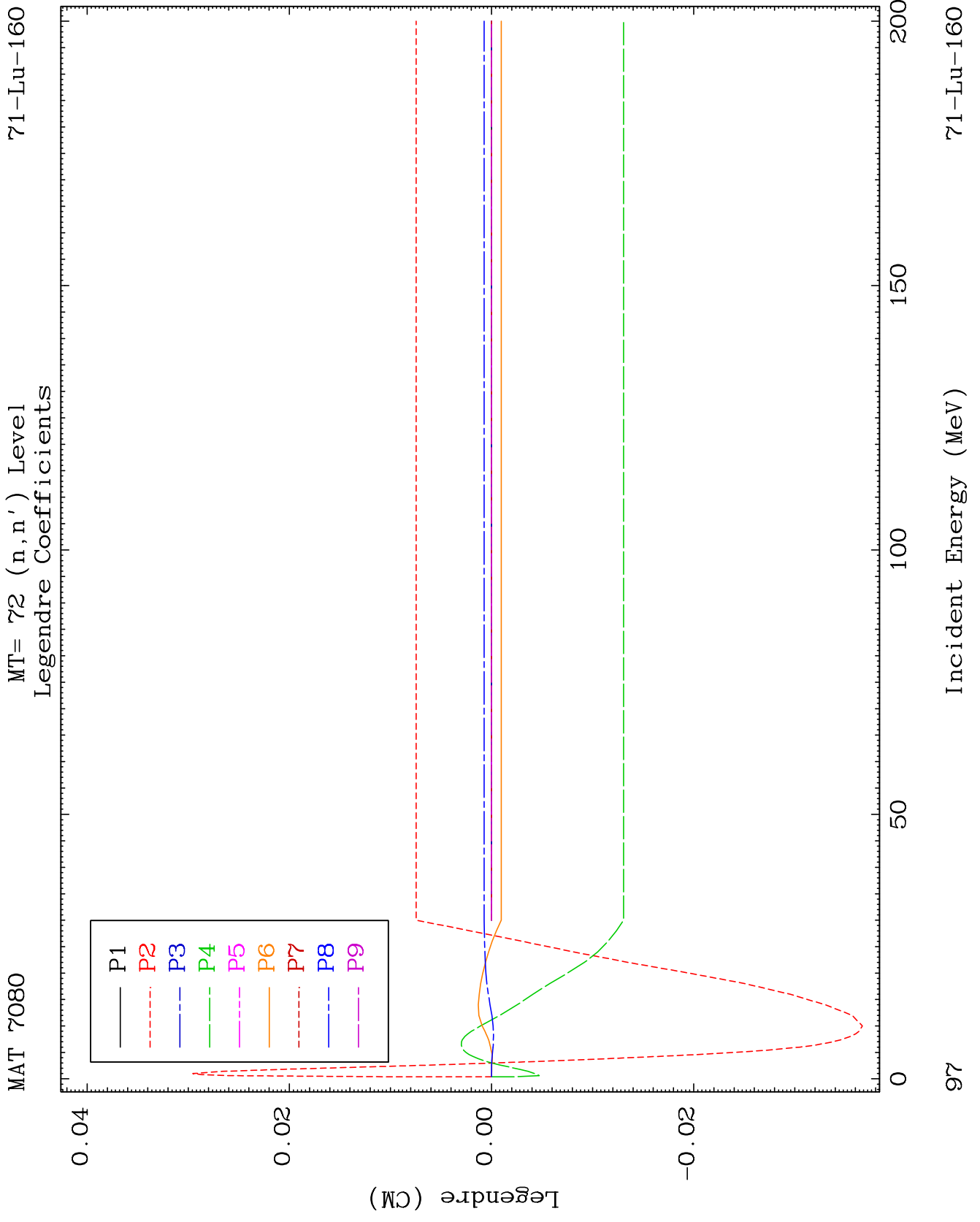
94

Incident Energy (MeV)

71-Lu-160



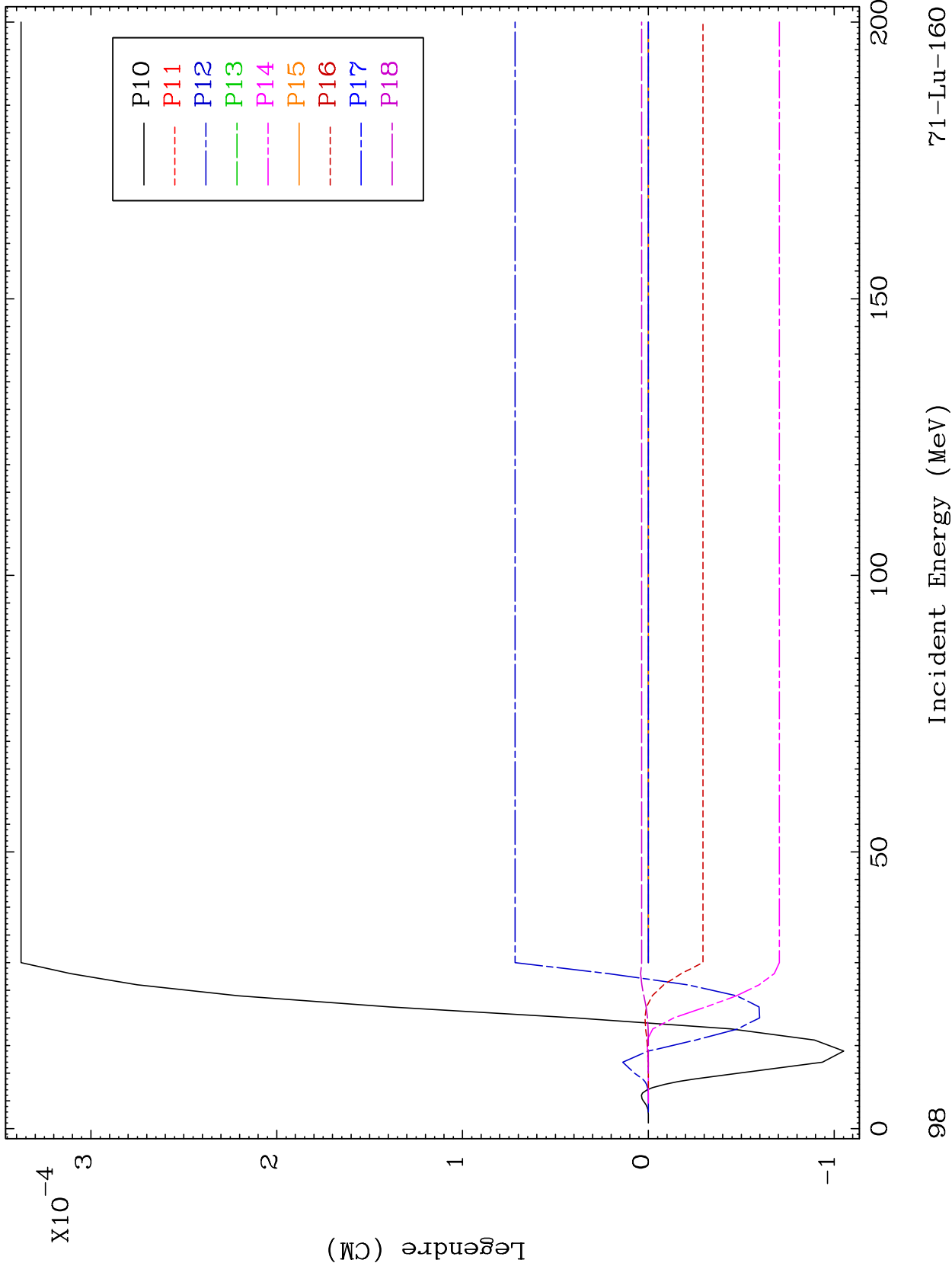




MAT 7080

MT= 72 (n,n') Level
Legendre Coefficients

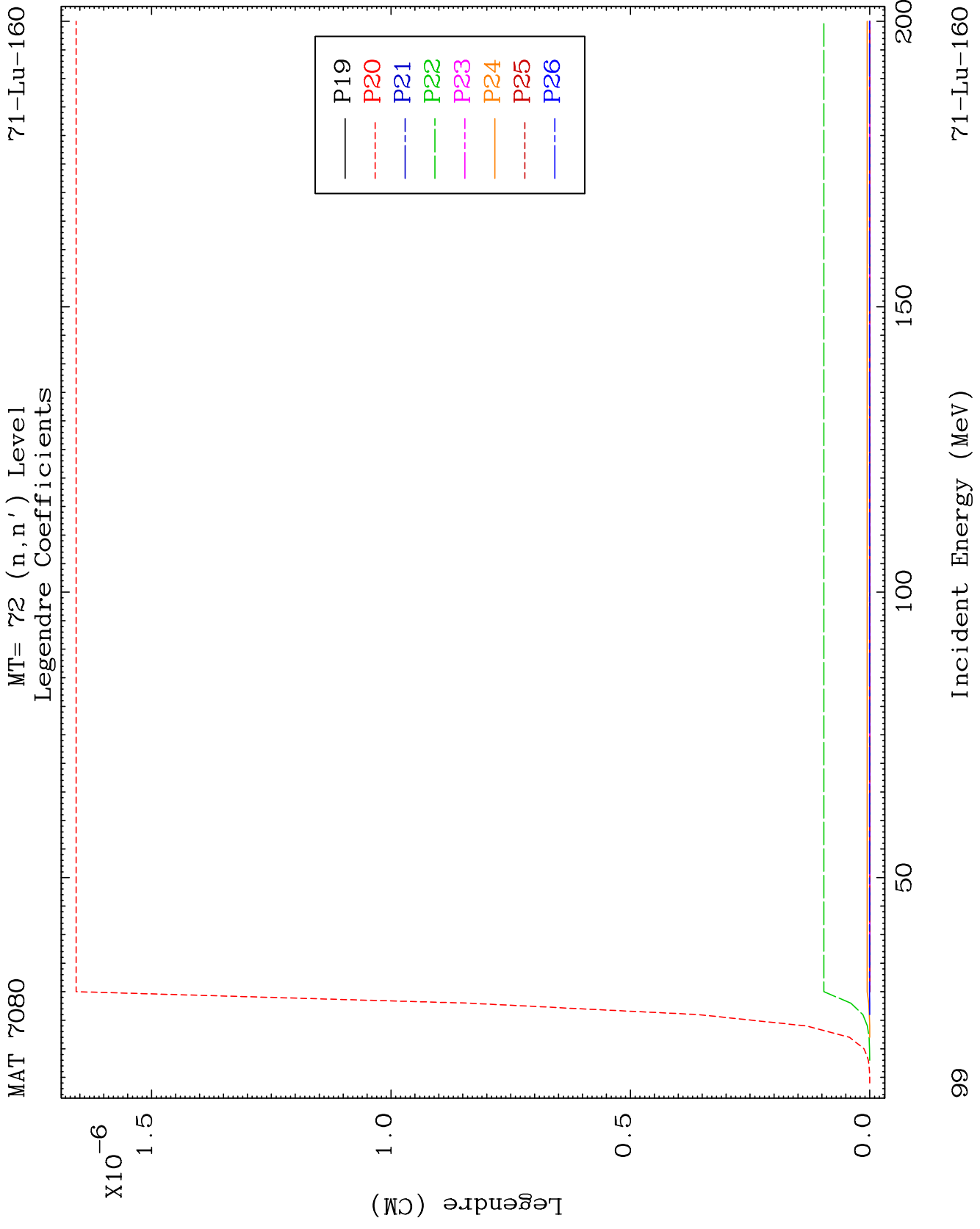
71-Lu-160

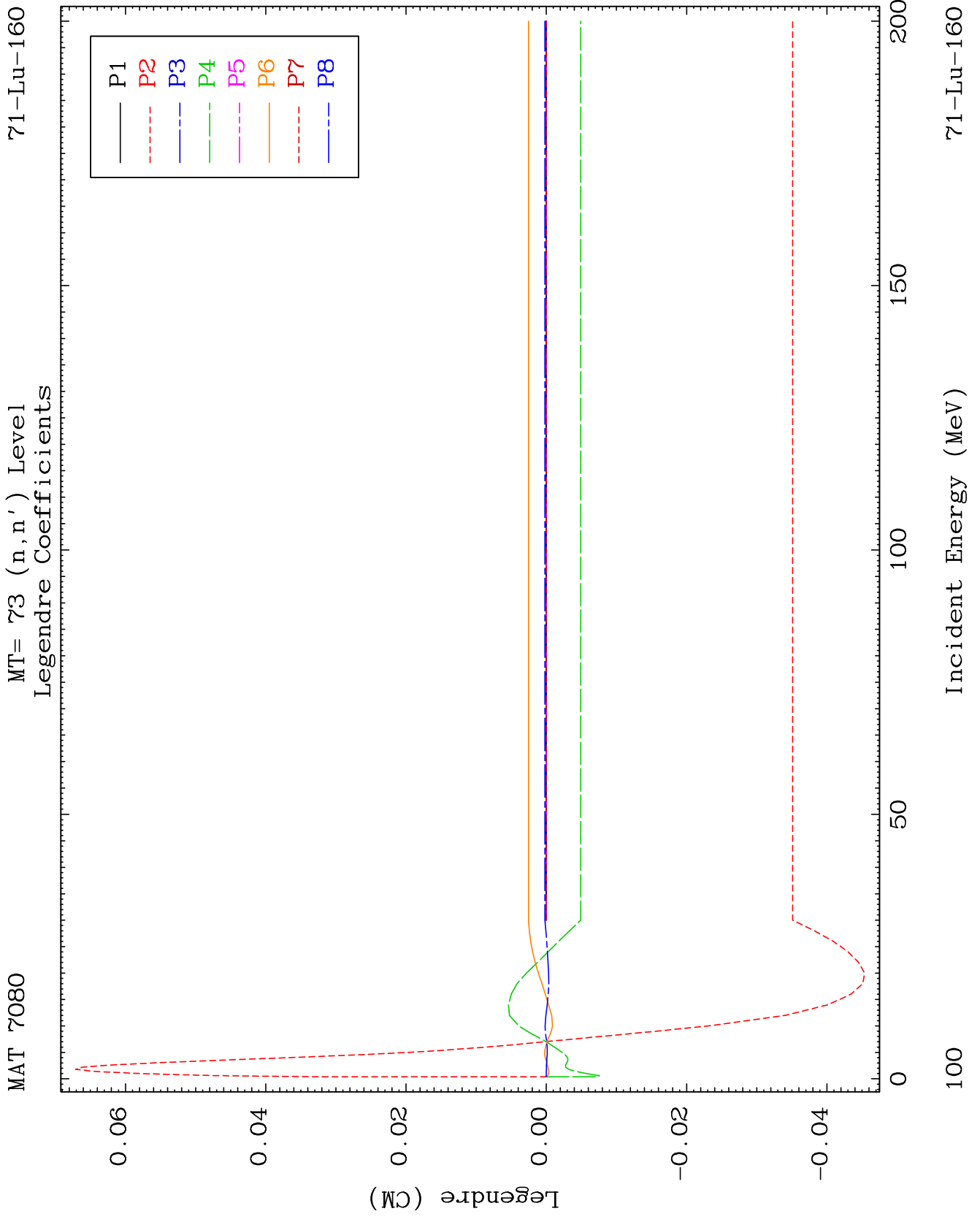


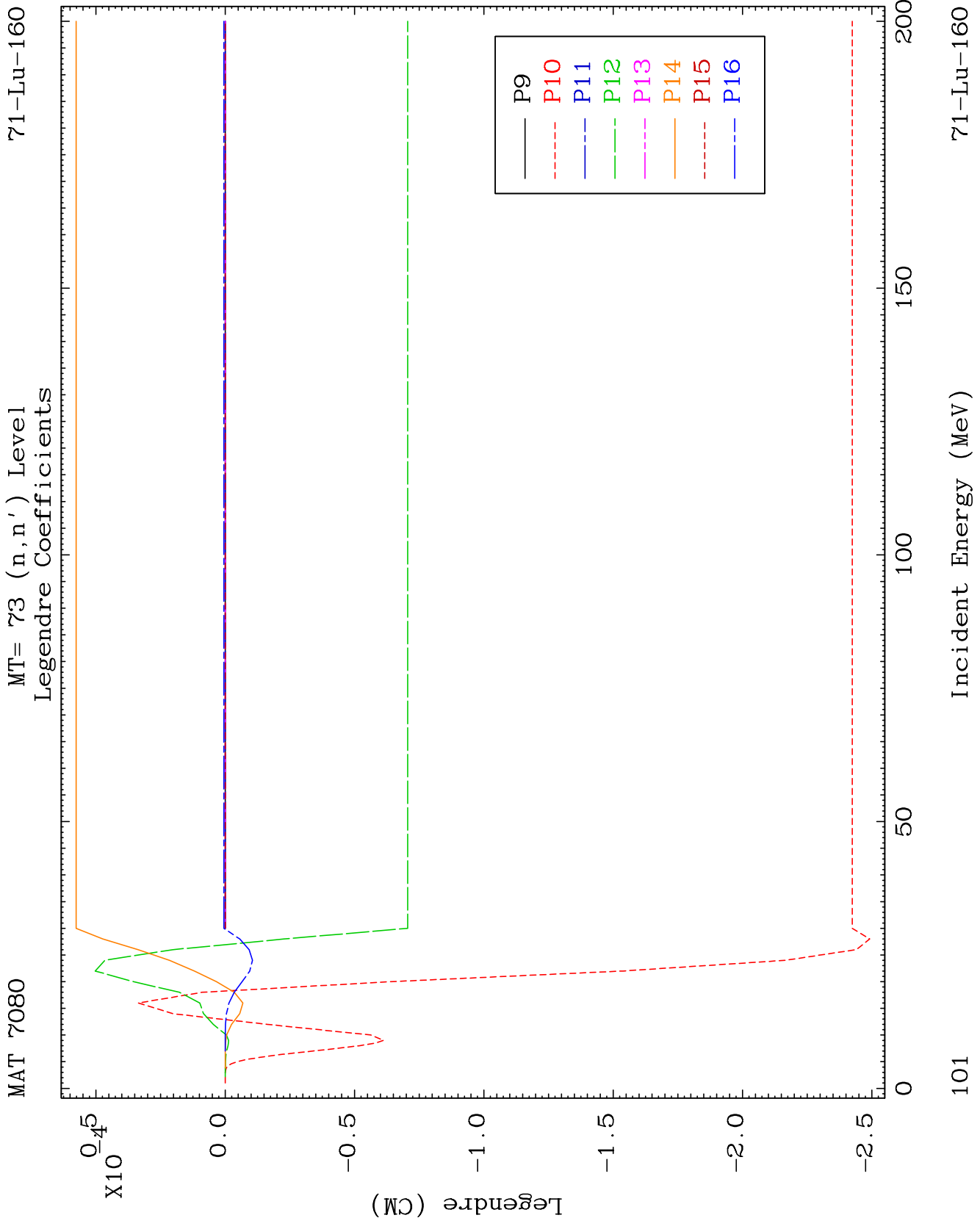
71-Lu-160

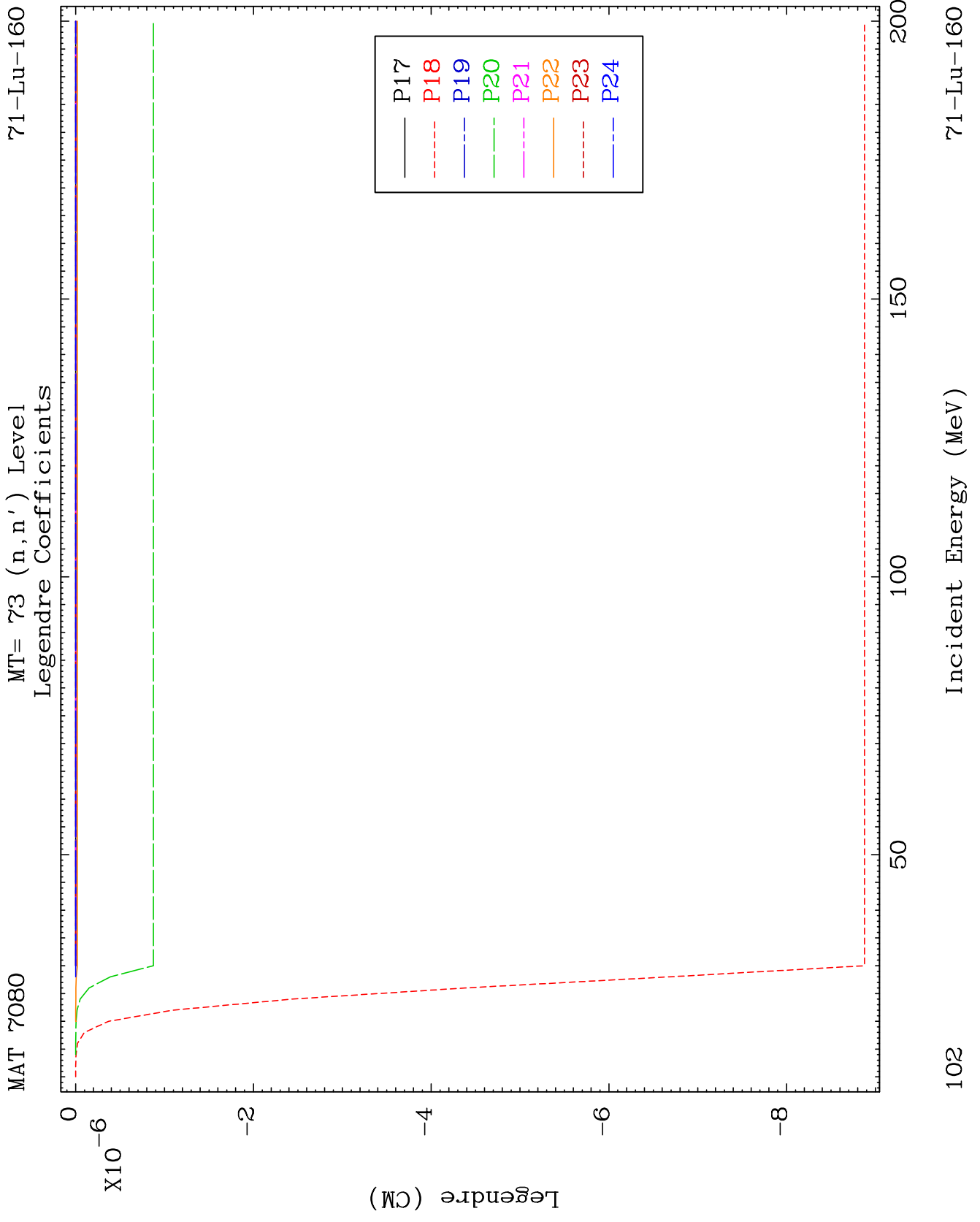
Incident Energy (MeV)

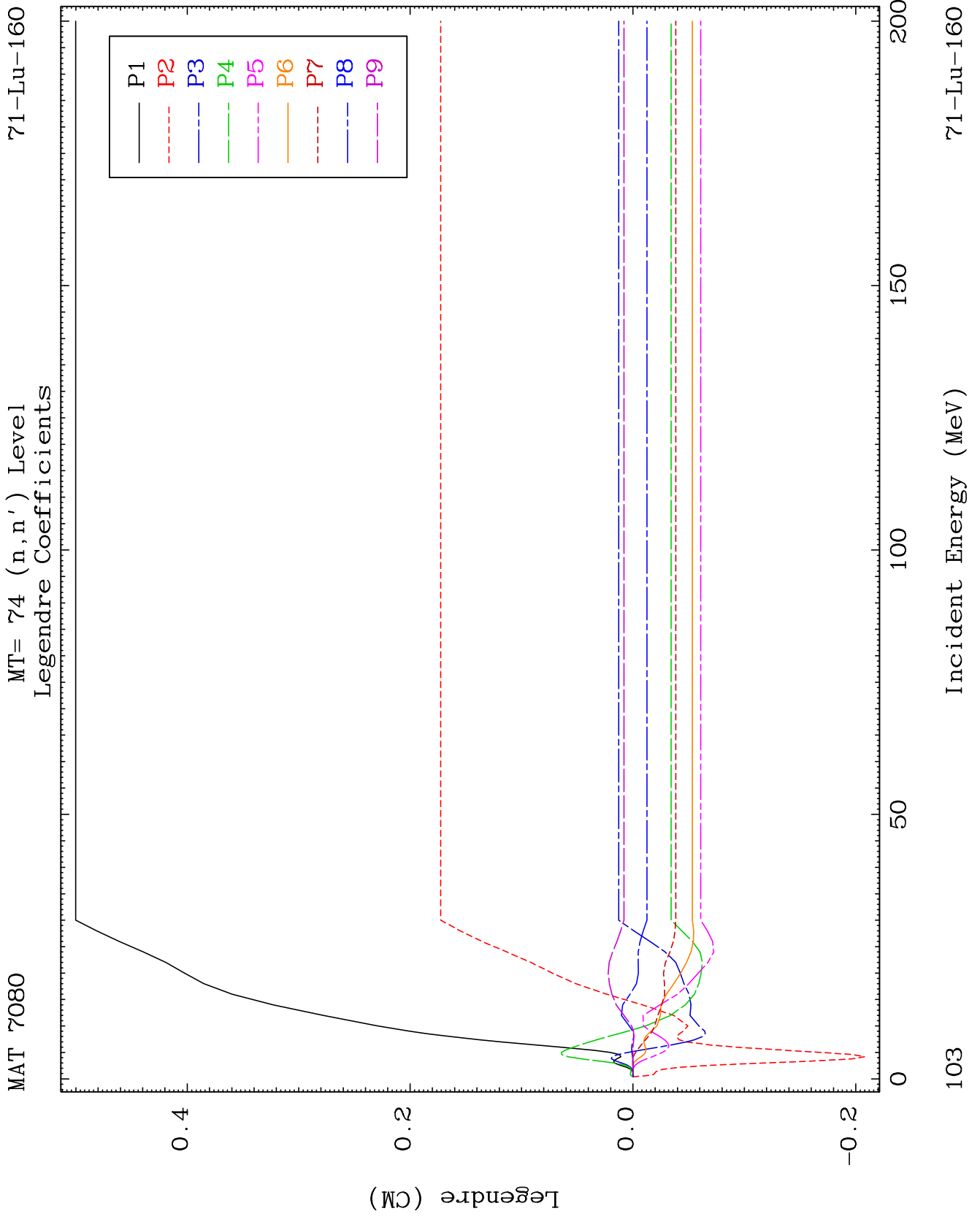
98

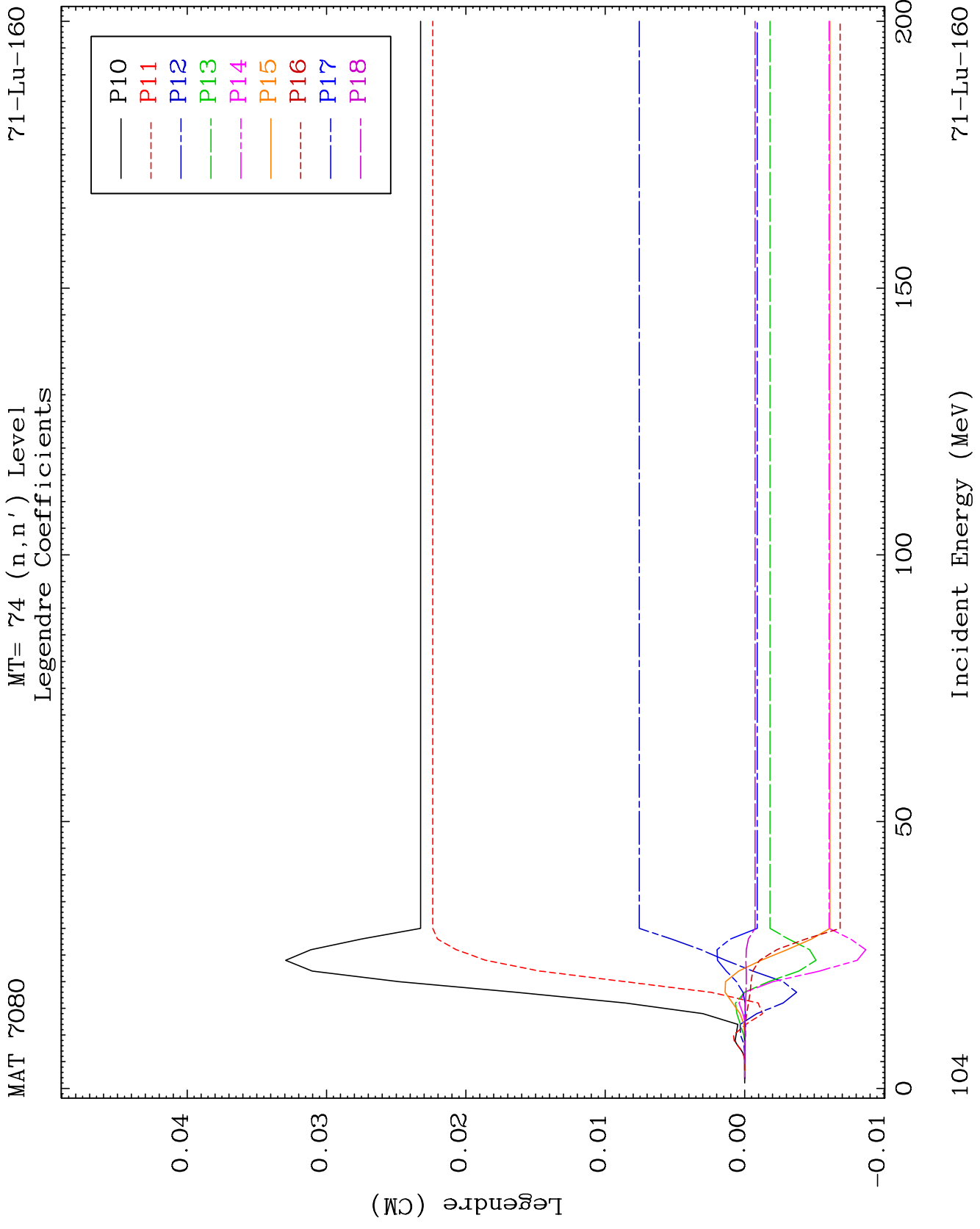








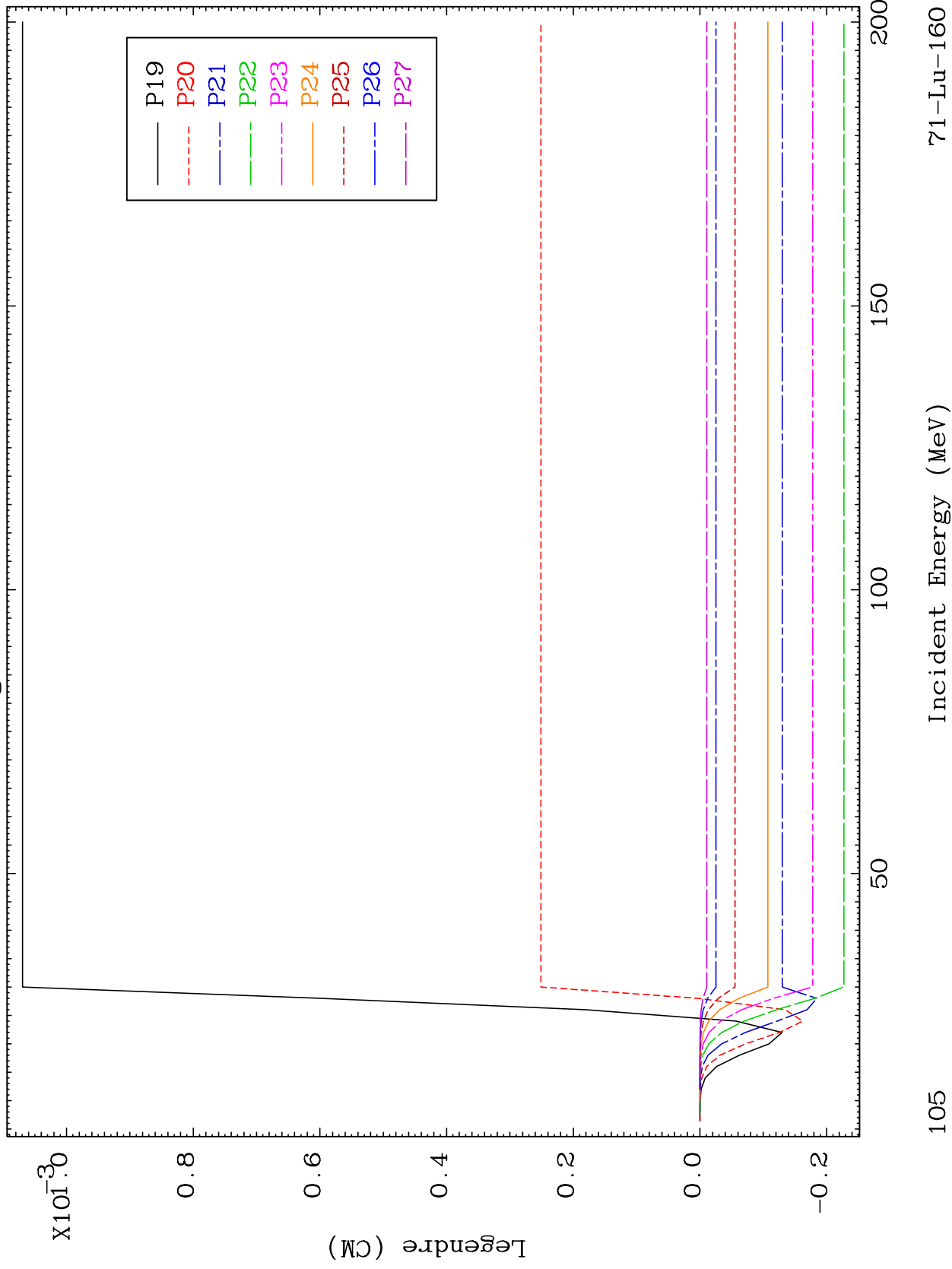




MAT 7080

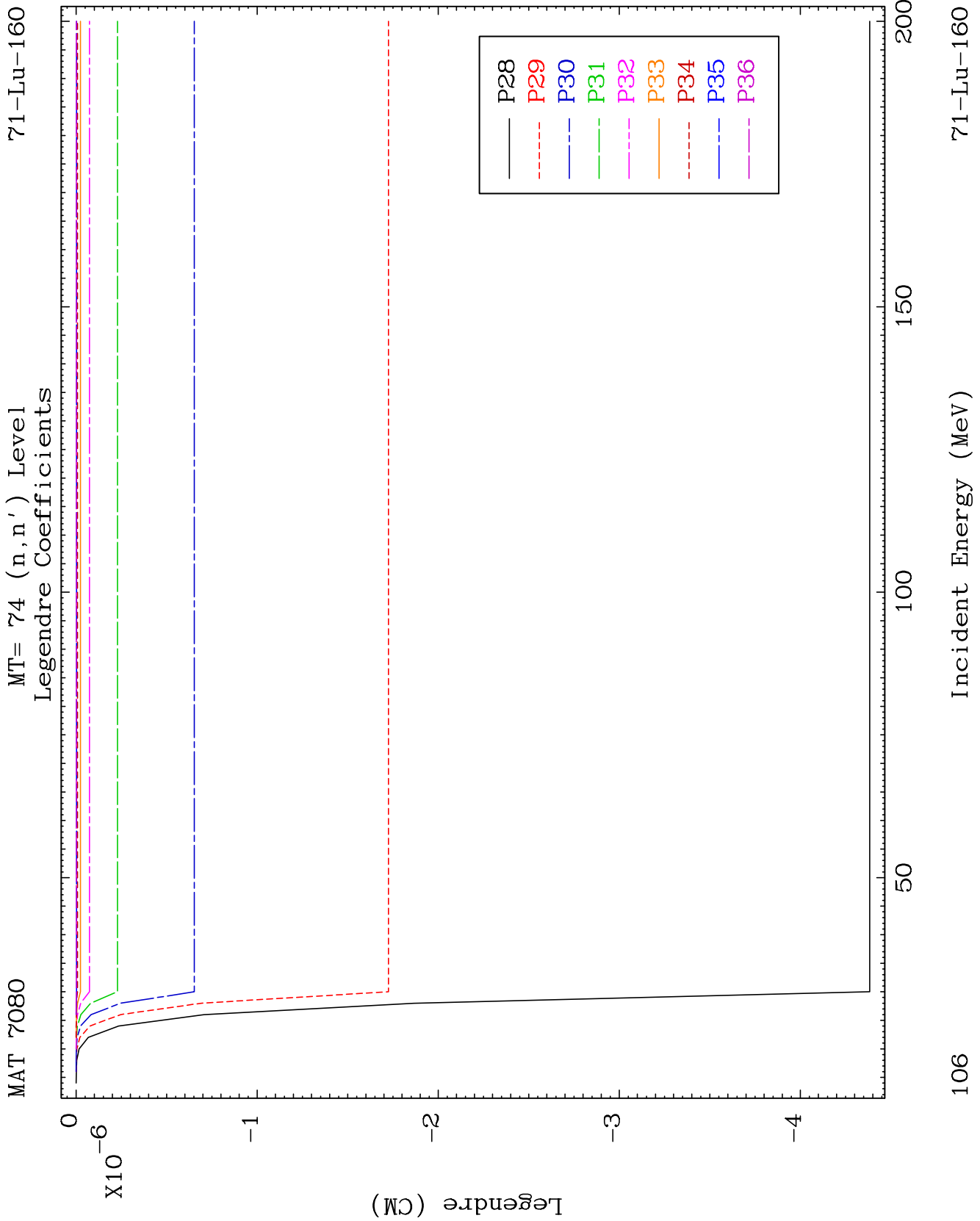
MT= 74 (n,n') Level
Legendre Coefficients

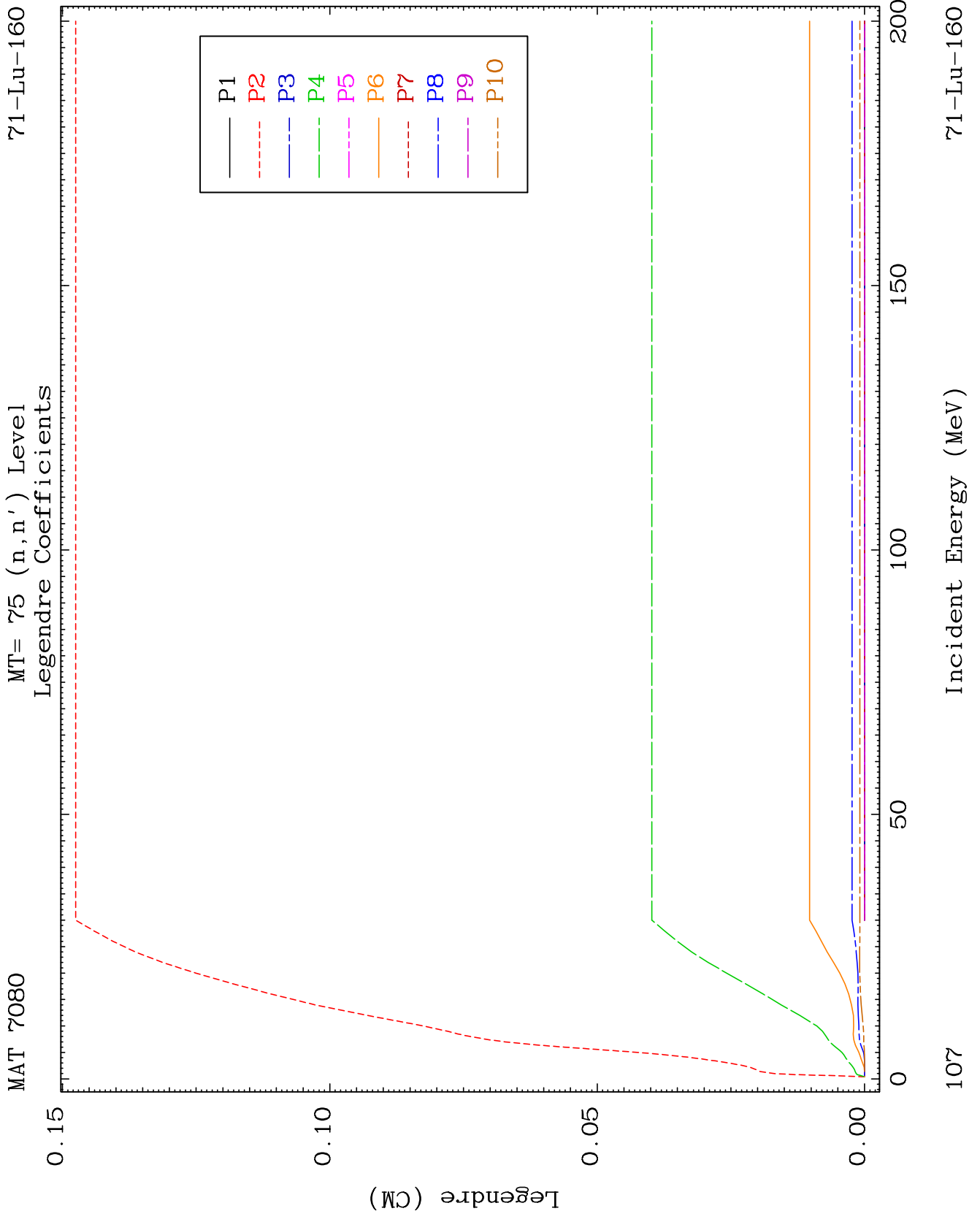
71-Lu-160



105

71-Lu-160





MAT 7080

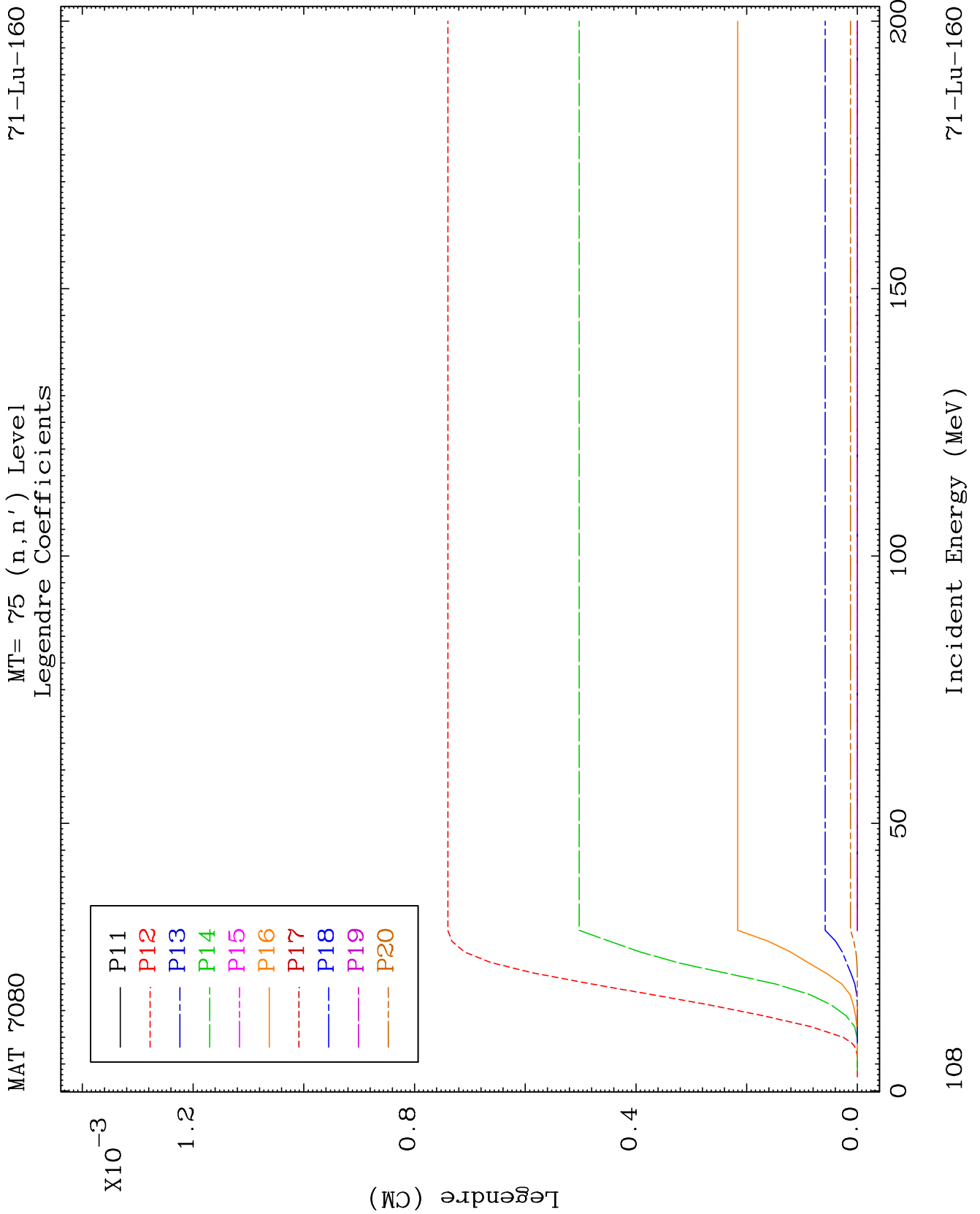
71-Lu-160

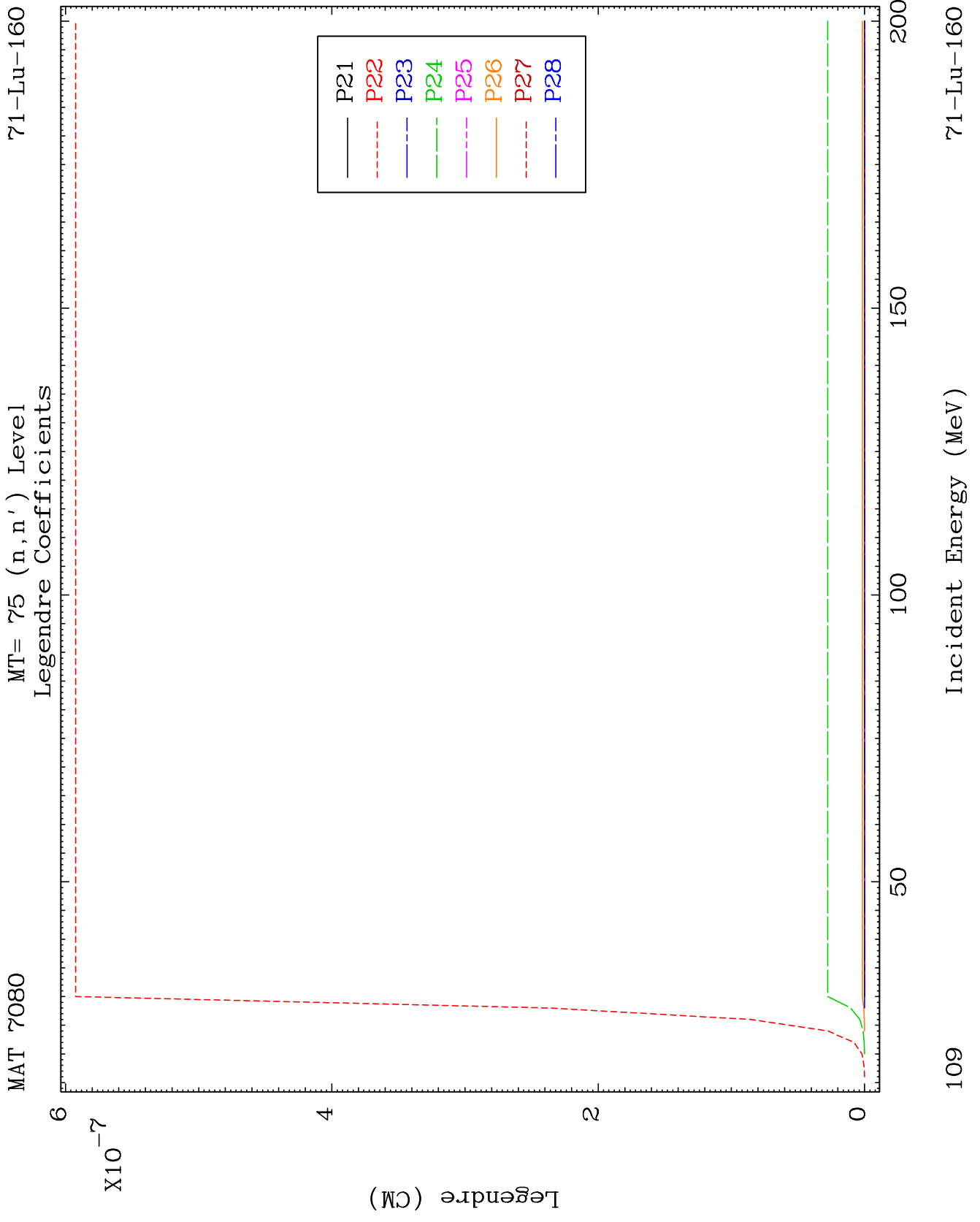
107

107

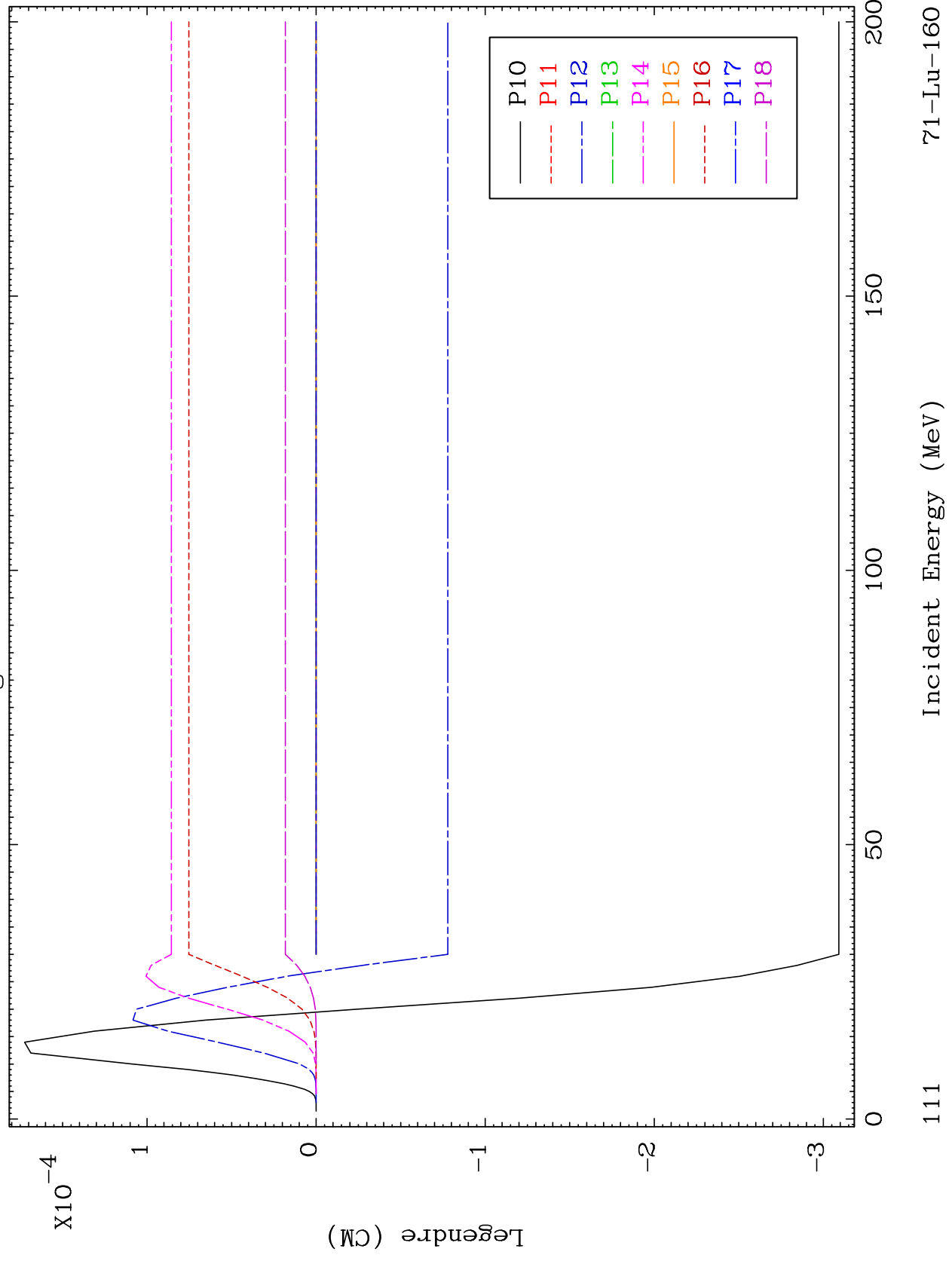
71-Lu-160

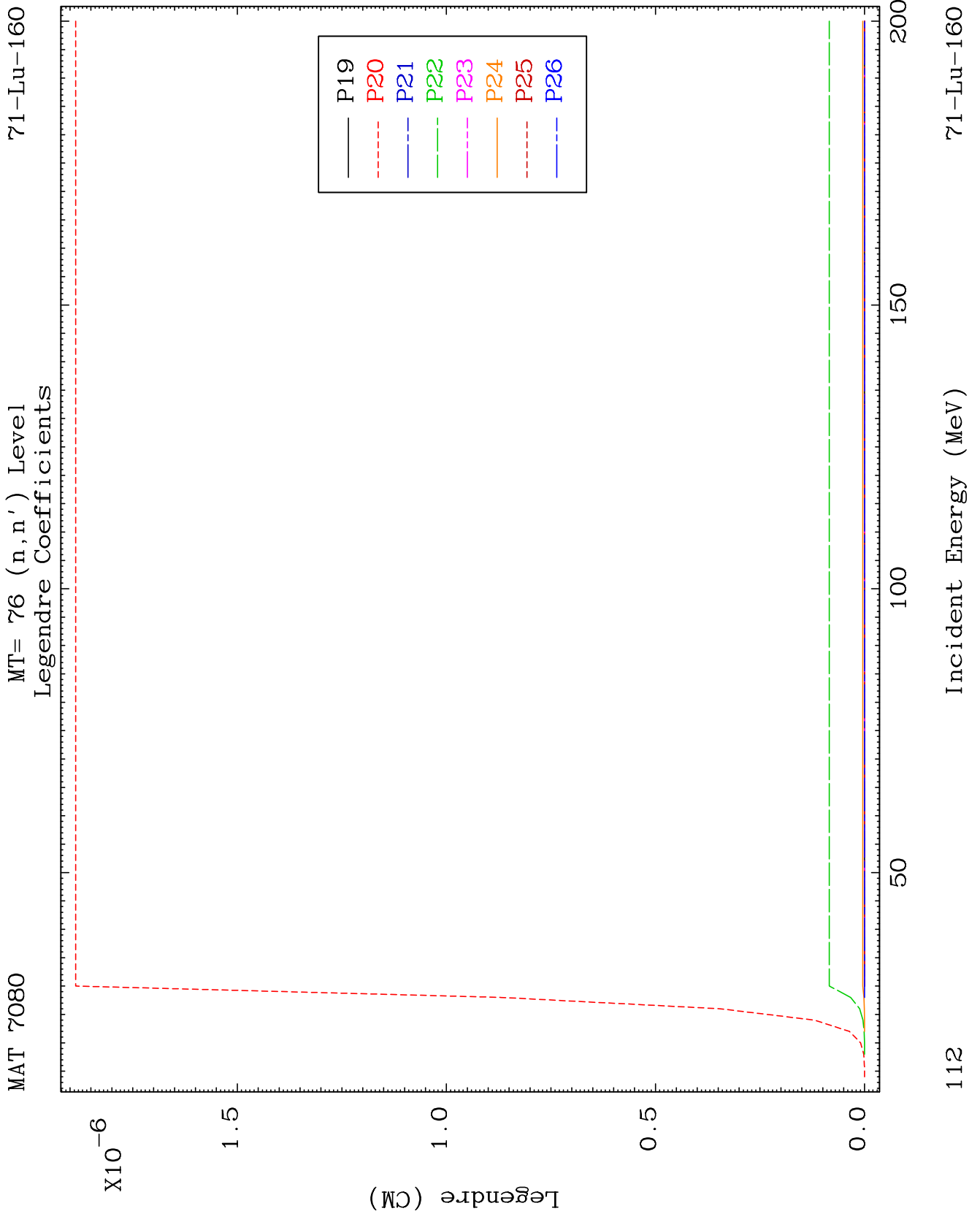
71-Lu-160

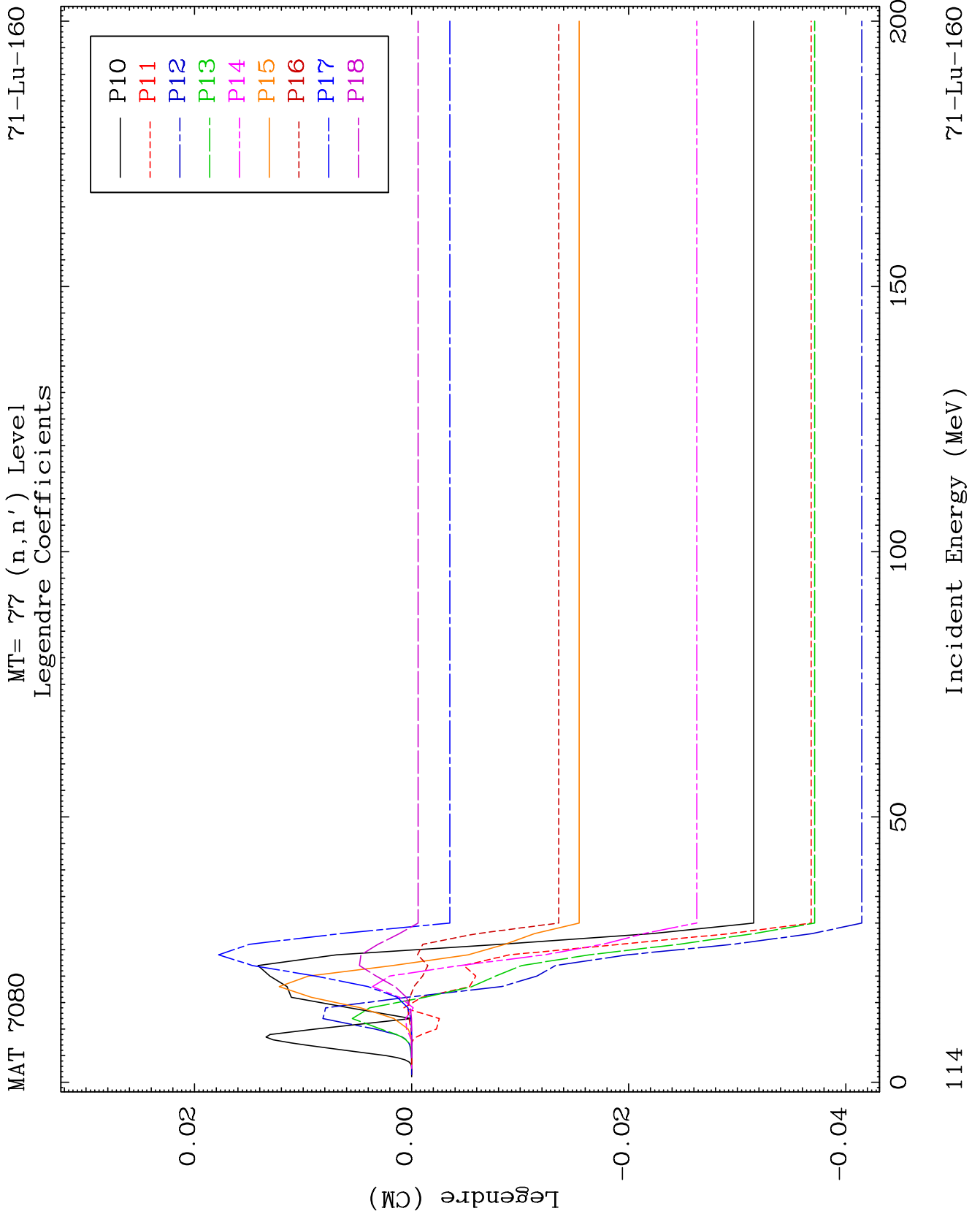




MAT 7080 MT= 76 (n,n') Level Legendre Coefficients 71-Lu-160



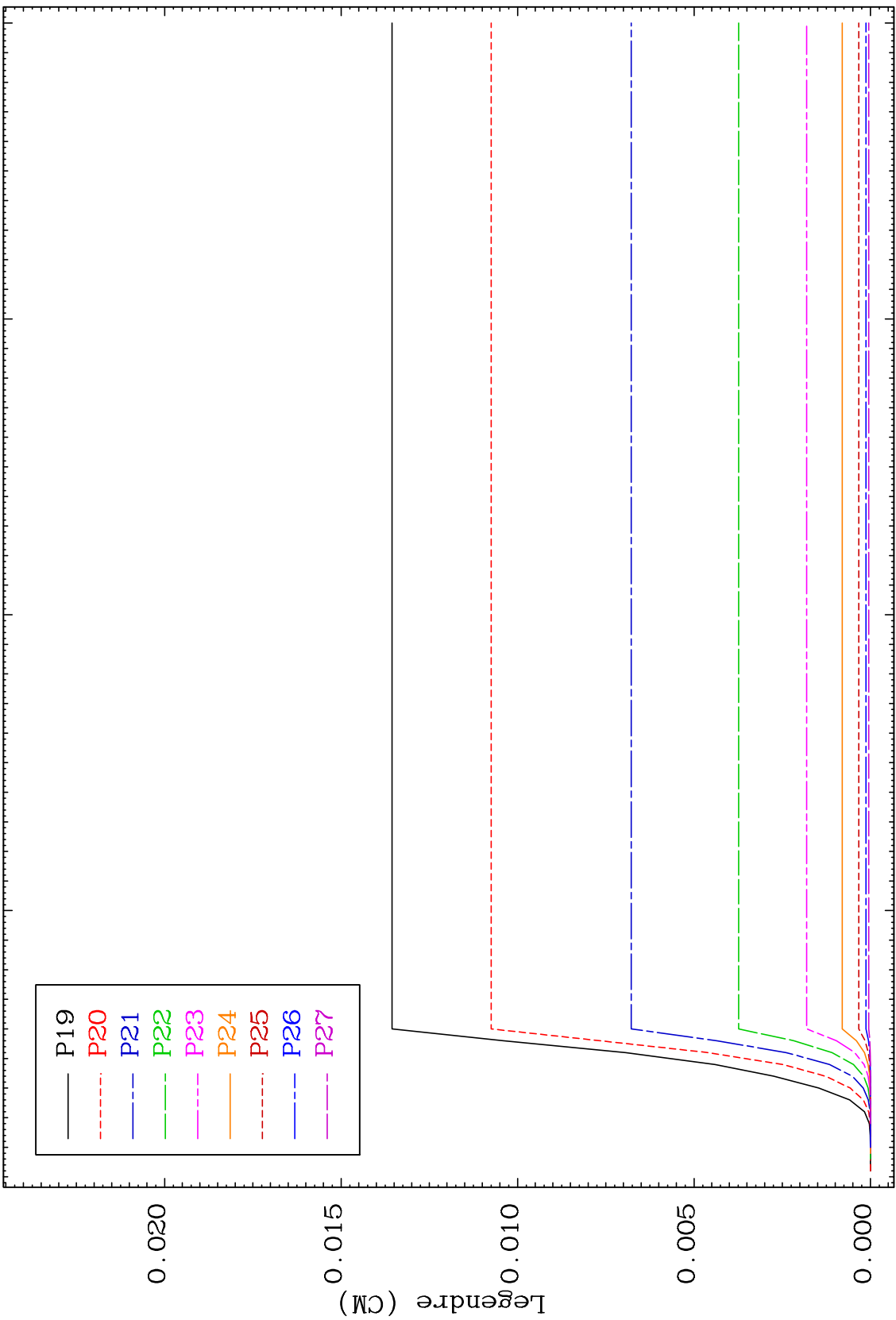




MAT 7080

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

71-Lu-160



115

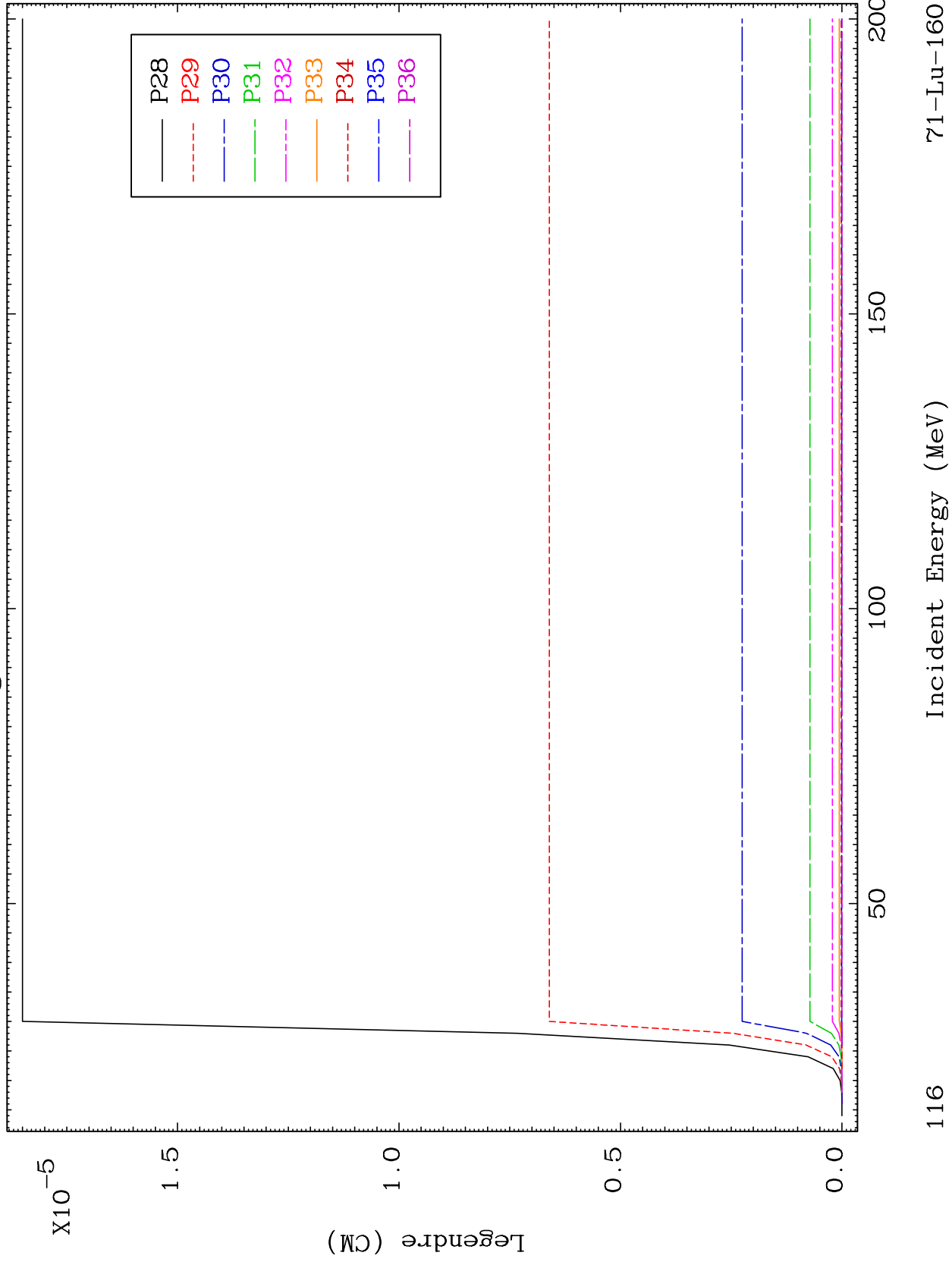
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

71-Lu-160



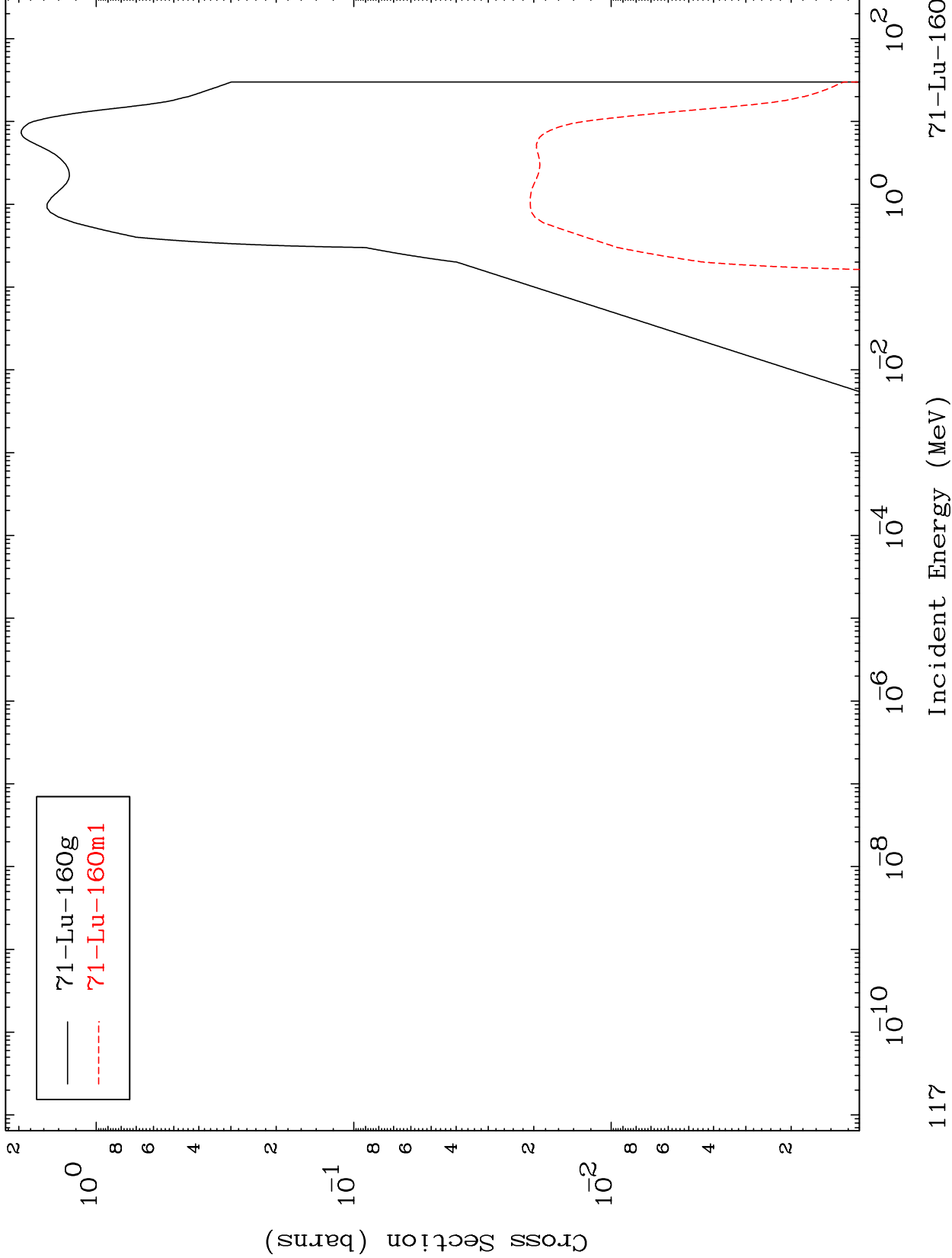
116

71-Lu-160

MAT 7080

Inelastic
Radionuclide Production Cross Section

⁷¹Lu-160

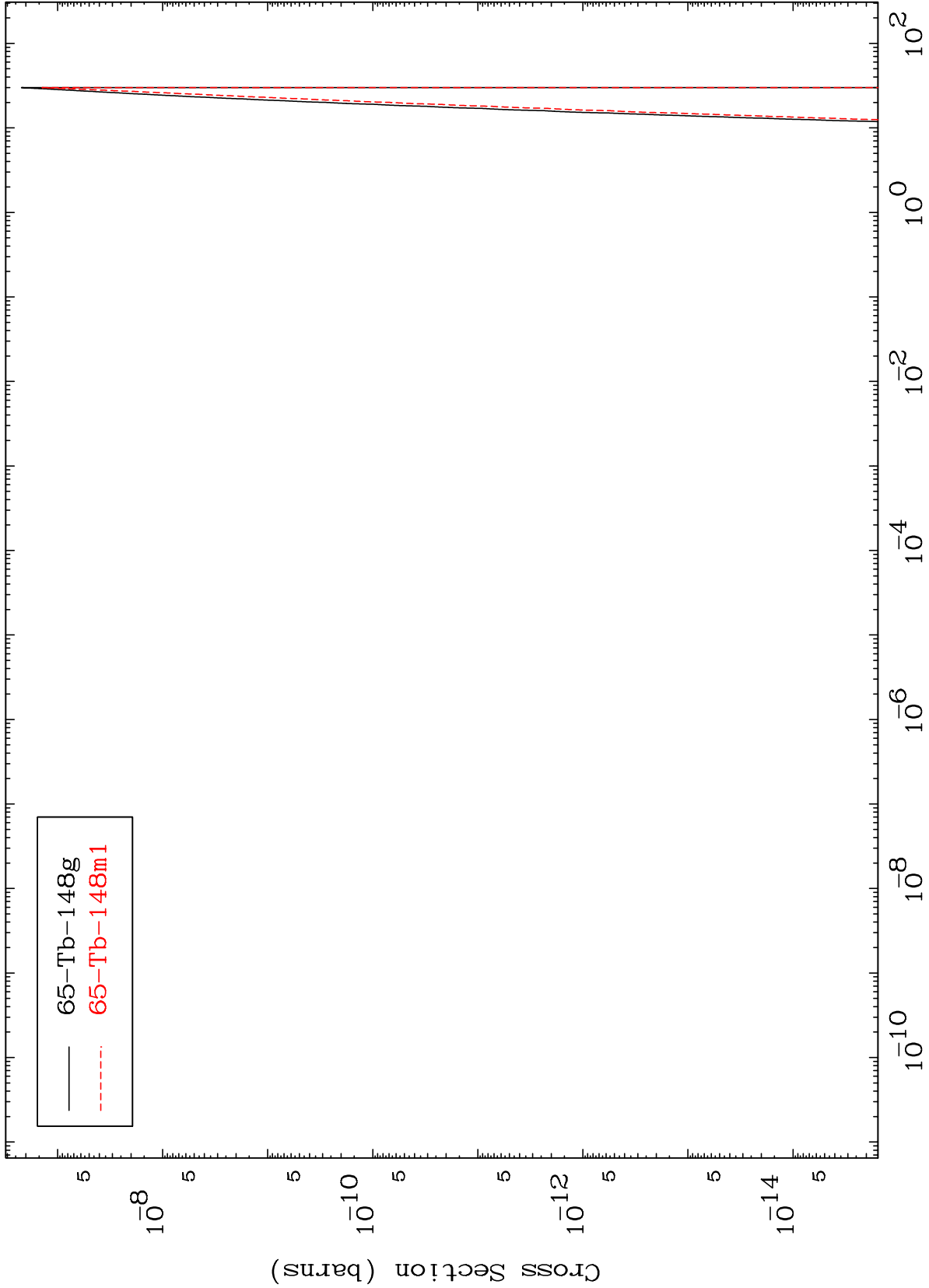


MAT 7080

(n,n') 3 α

⁷¹Lu-160

Radionuclide Production Cross Section

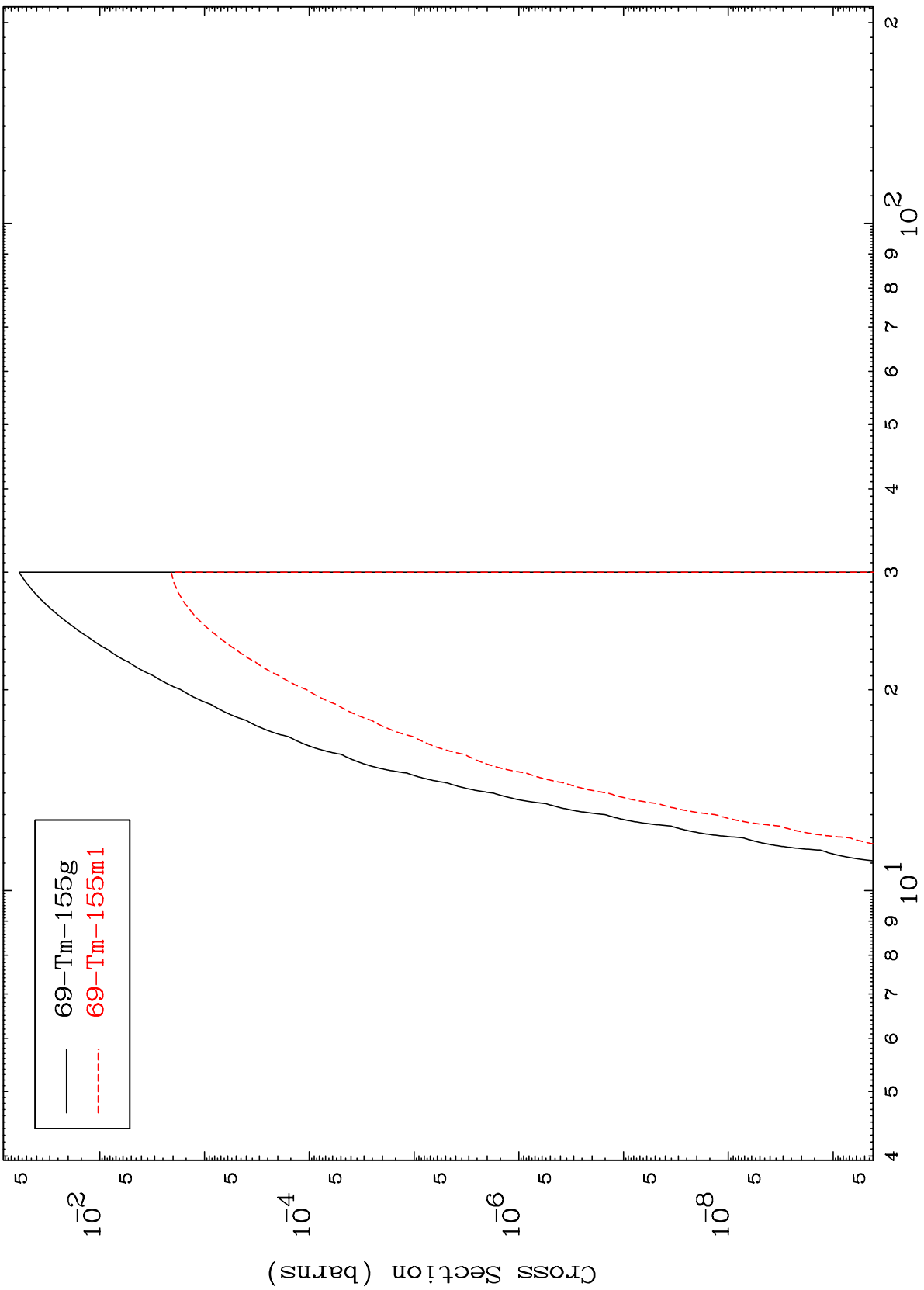


MAT 7080

(n,2n) α

71-Lu-160

Radionuclide Production Cross Section



119

Incident Energy (MeV)

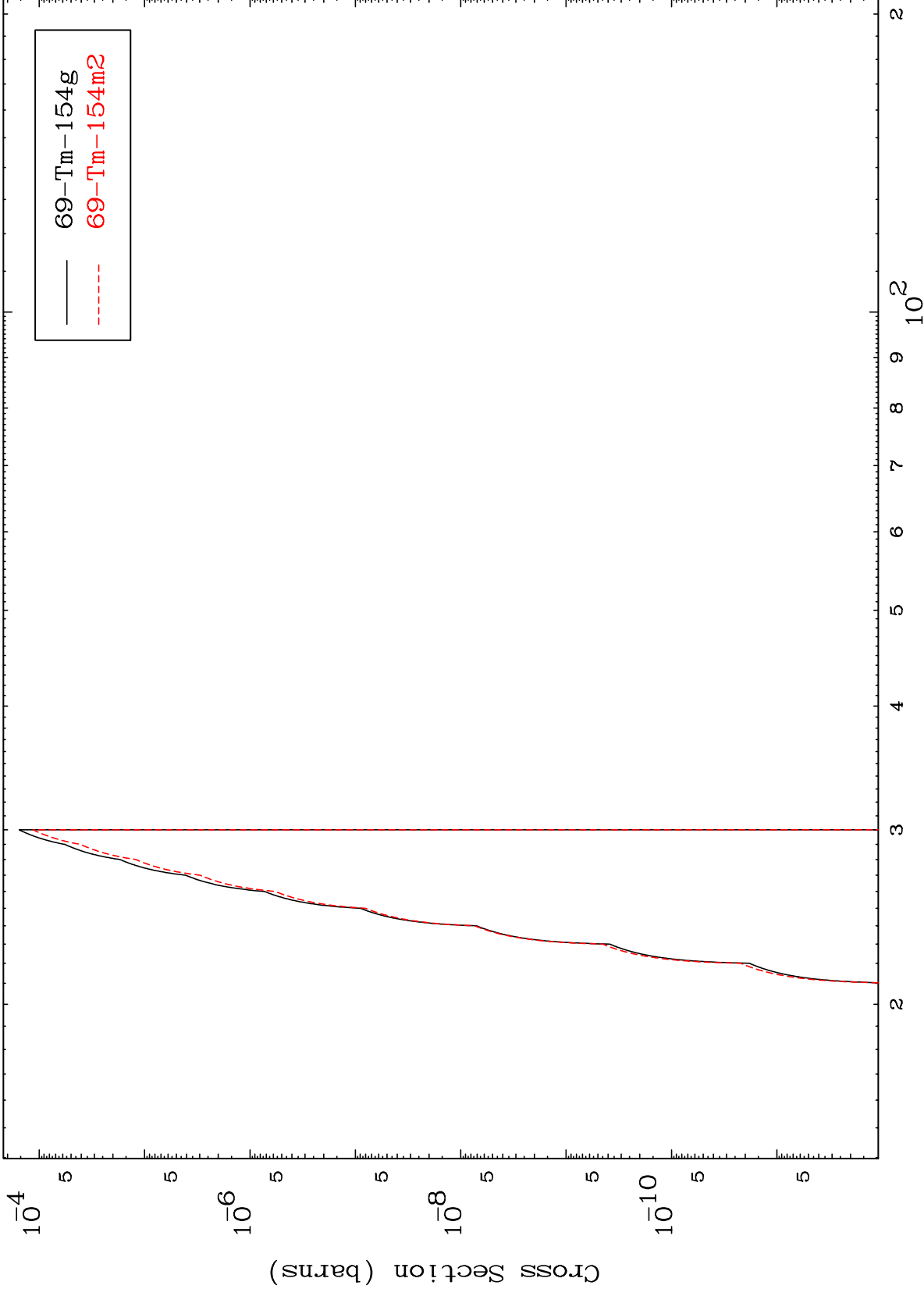
71-Lu-160

MAT 7080

$(n,3n) \alpha$

71-Lu-160

Radionuclide Production Cross Section



120

Incident Energy (MeV)

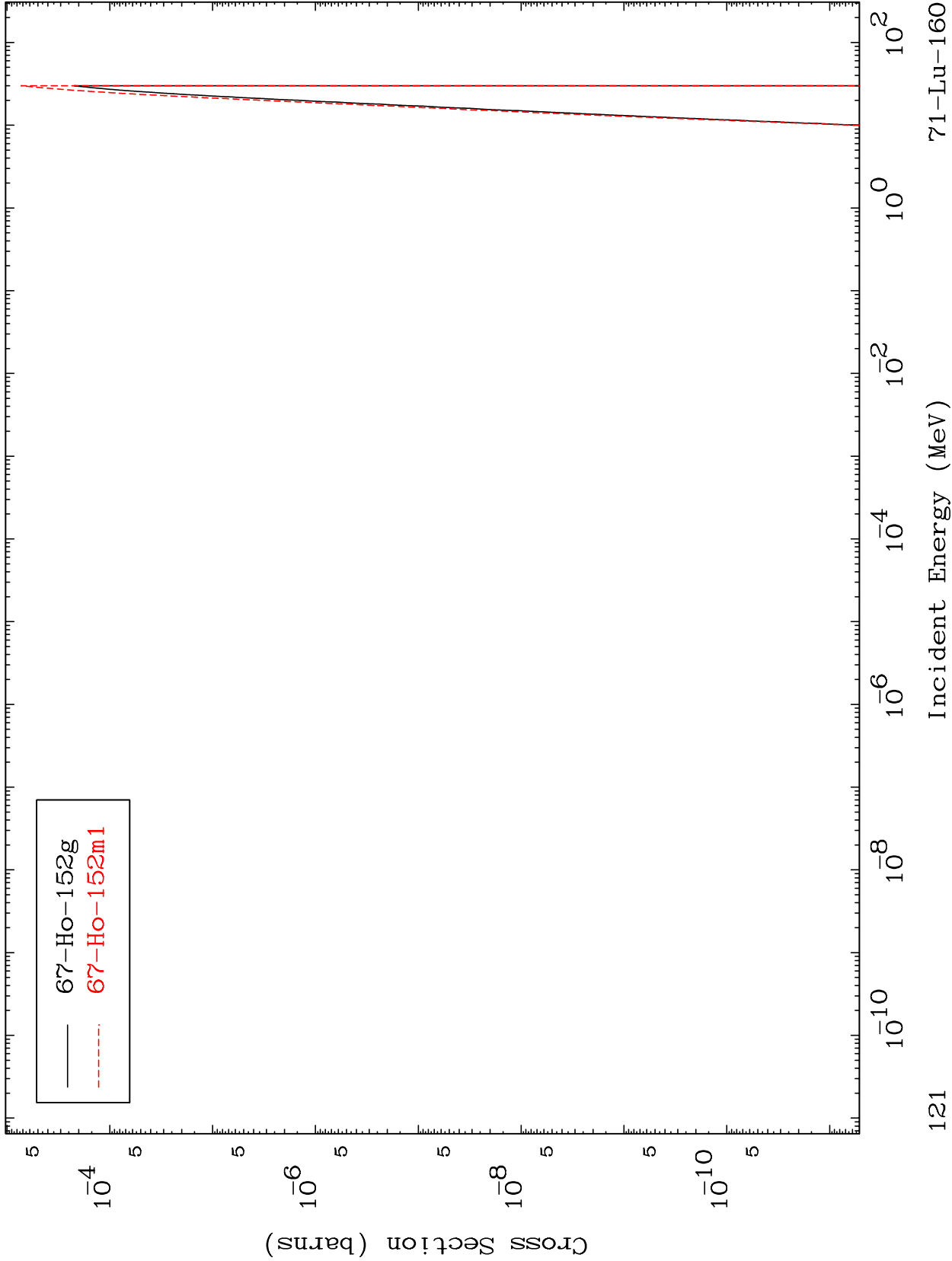
71-Lu-160

MAT 7080

(n,n') 2α

71-Lu-160

Radionuclide Production Cross Section



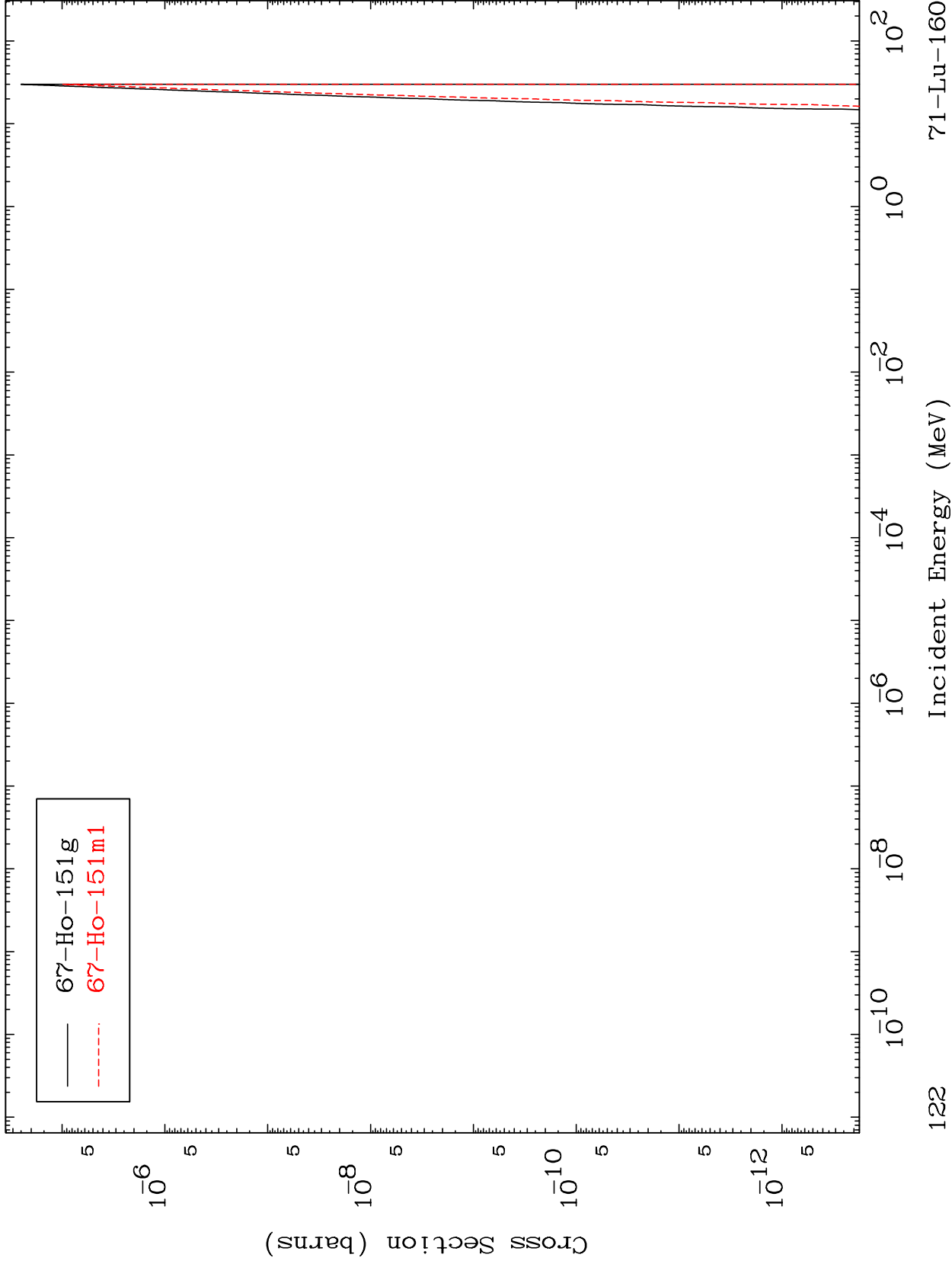
67-Ho-152g
67-Ho-152m1

MAT 7080

(n,2n) 2 α

⁷¹Lu-160

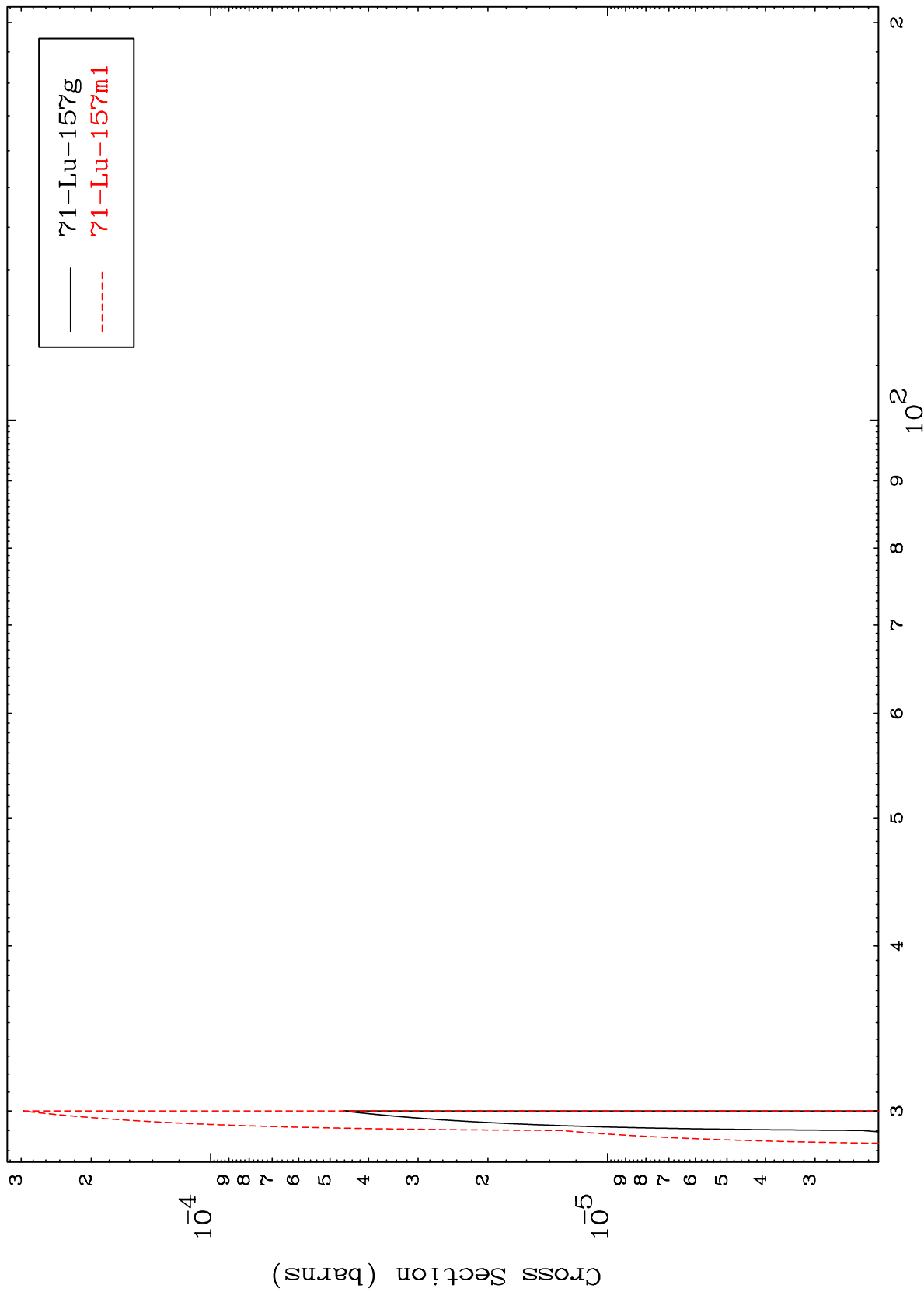
Radionuclide Production Cross Section



MAT 7080

71-Lu-160

(n,4n)
Radionuclide Production Cross Section



123

71-Lu-160

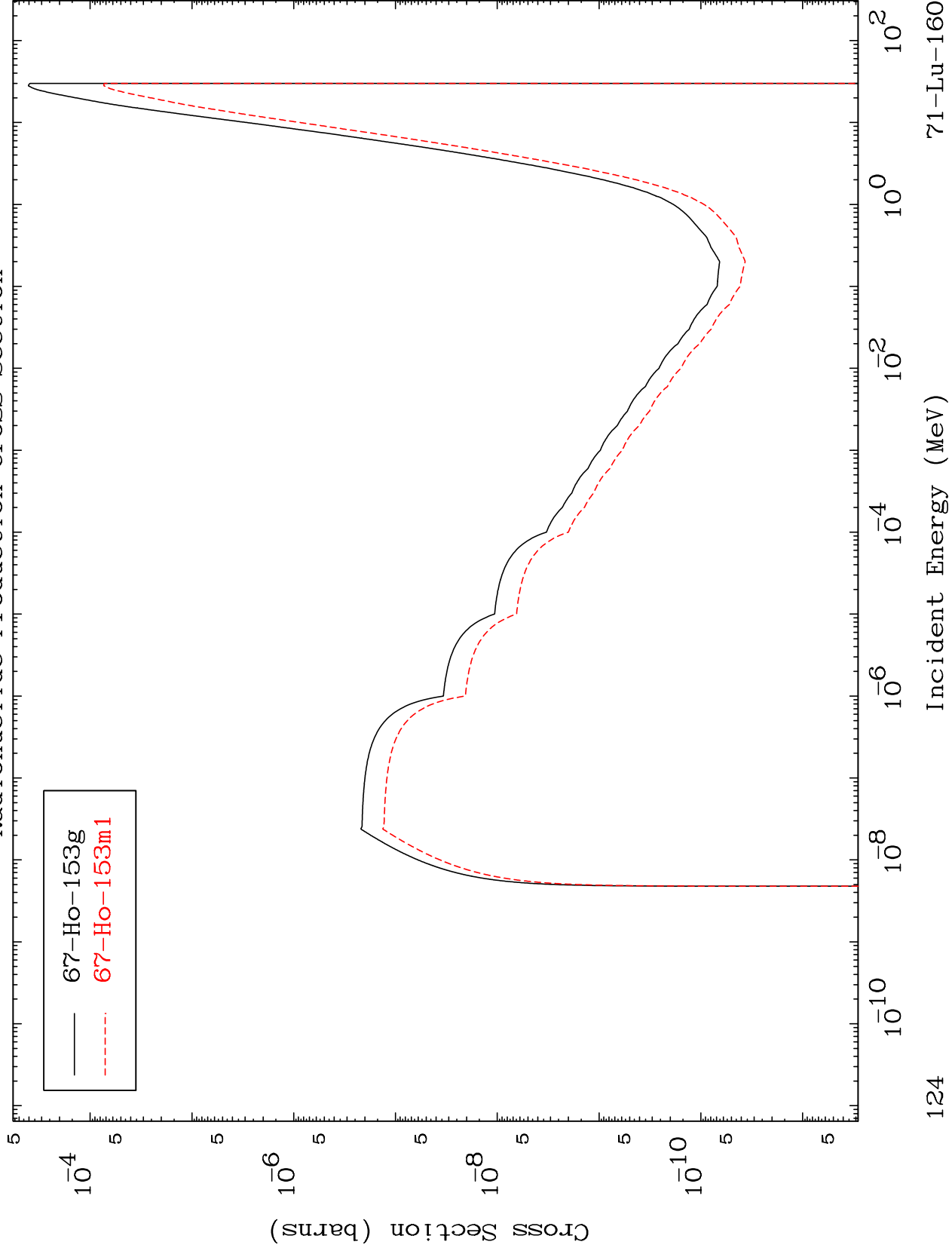
Incident Energy (MeV)

MAT 7080

(n,2α)

⁷¹Lu-160

Radionuclide Production Cross Section

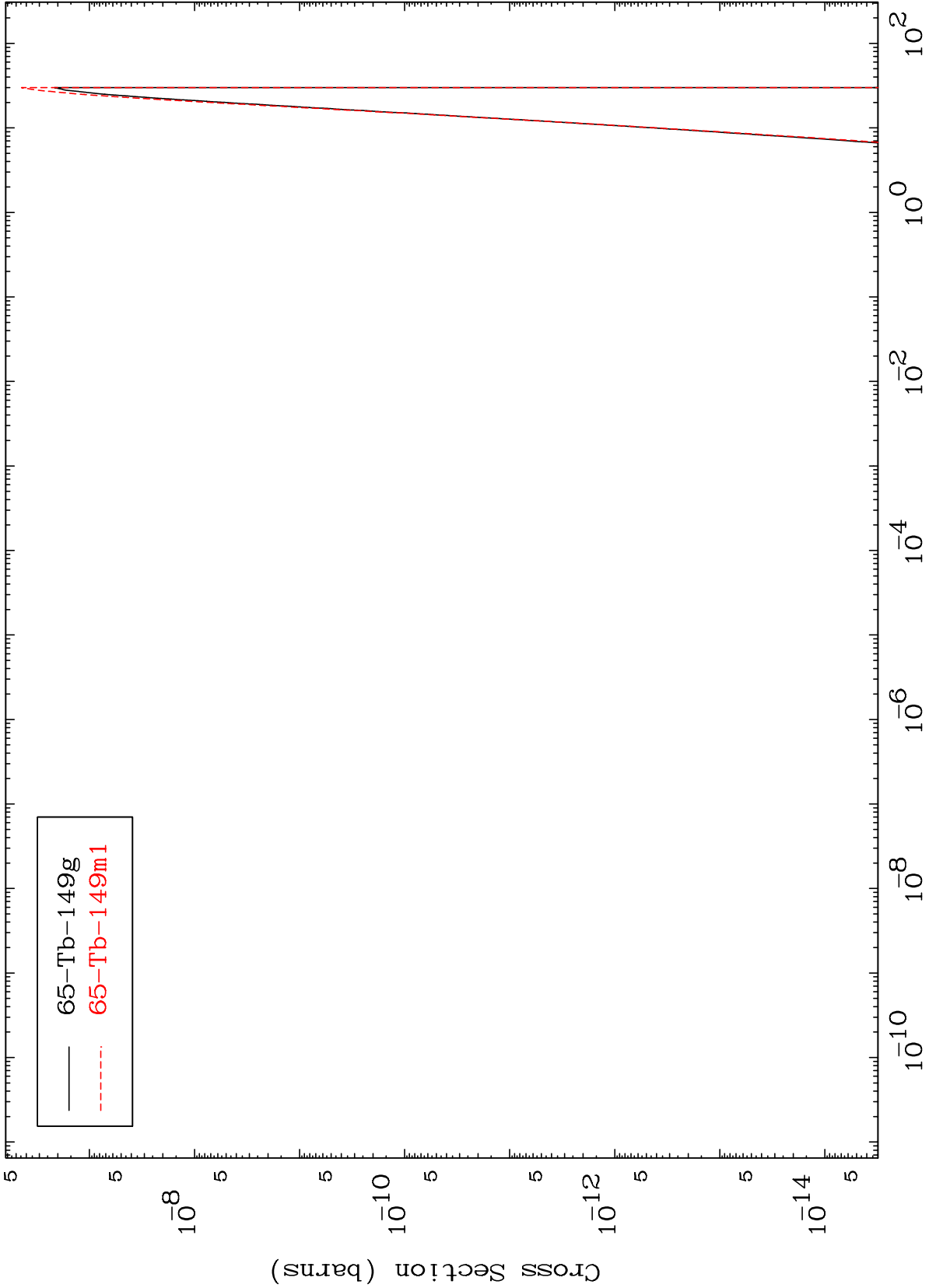


MAT 7080

(n,3 α)

⁷¹Lu-160

Radionuclide Production Cross Section



125

Incident Energy (MeV)

⁷¹Lu-160