

Program EVALPLOT
(Version 2018-1)

by

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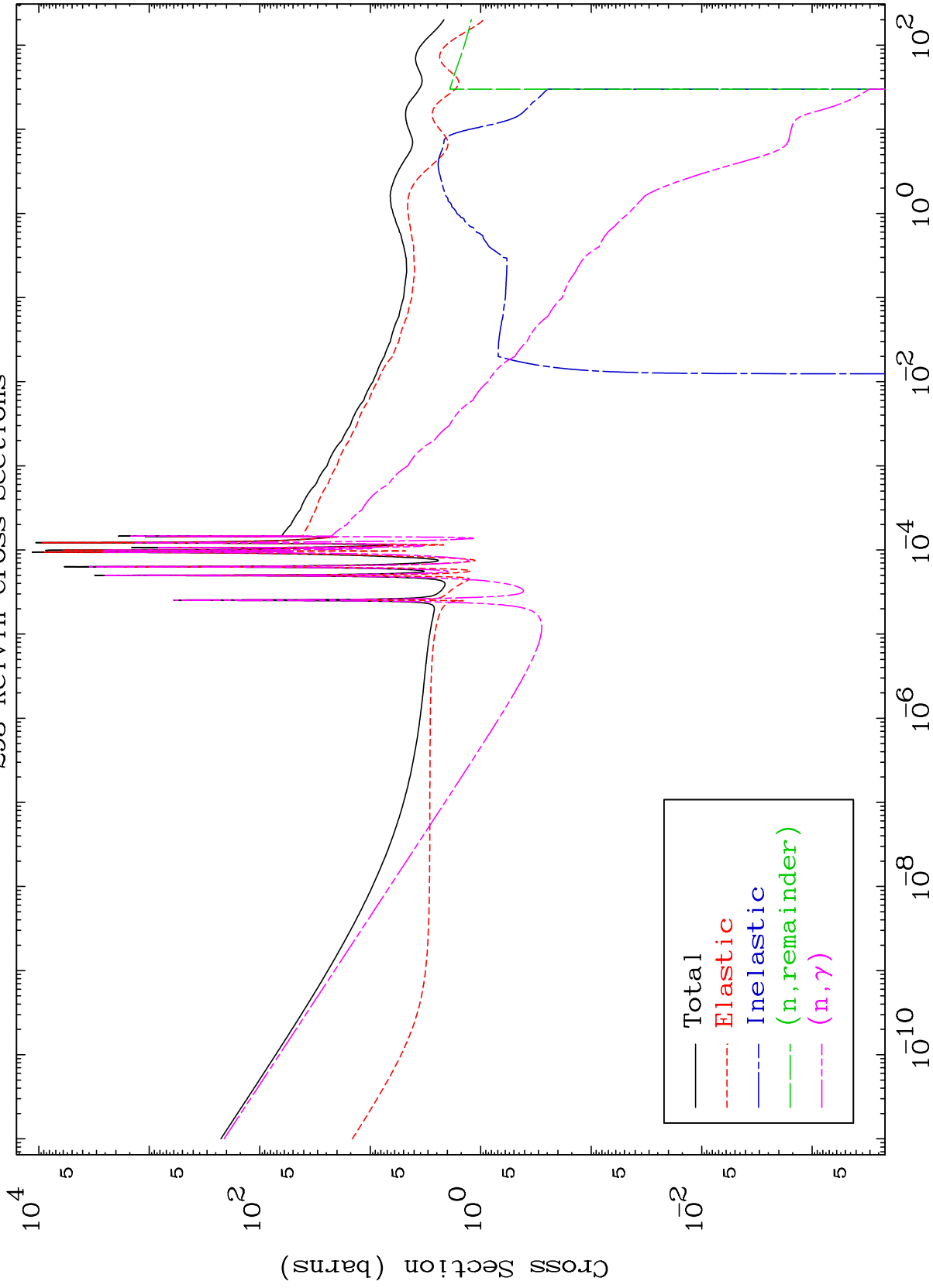
Press Mouse Button to Start

MAT 5634

Major

293 Kelvin Cross Sections

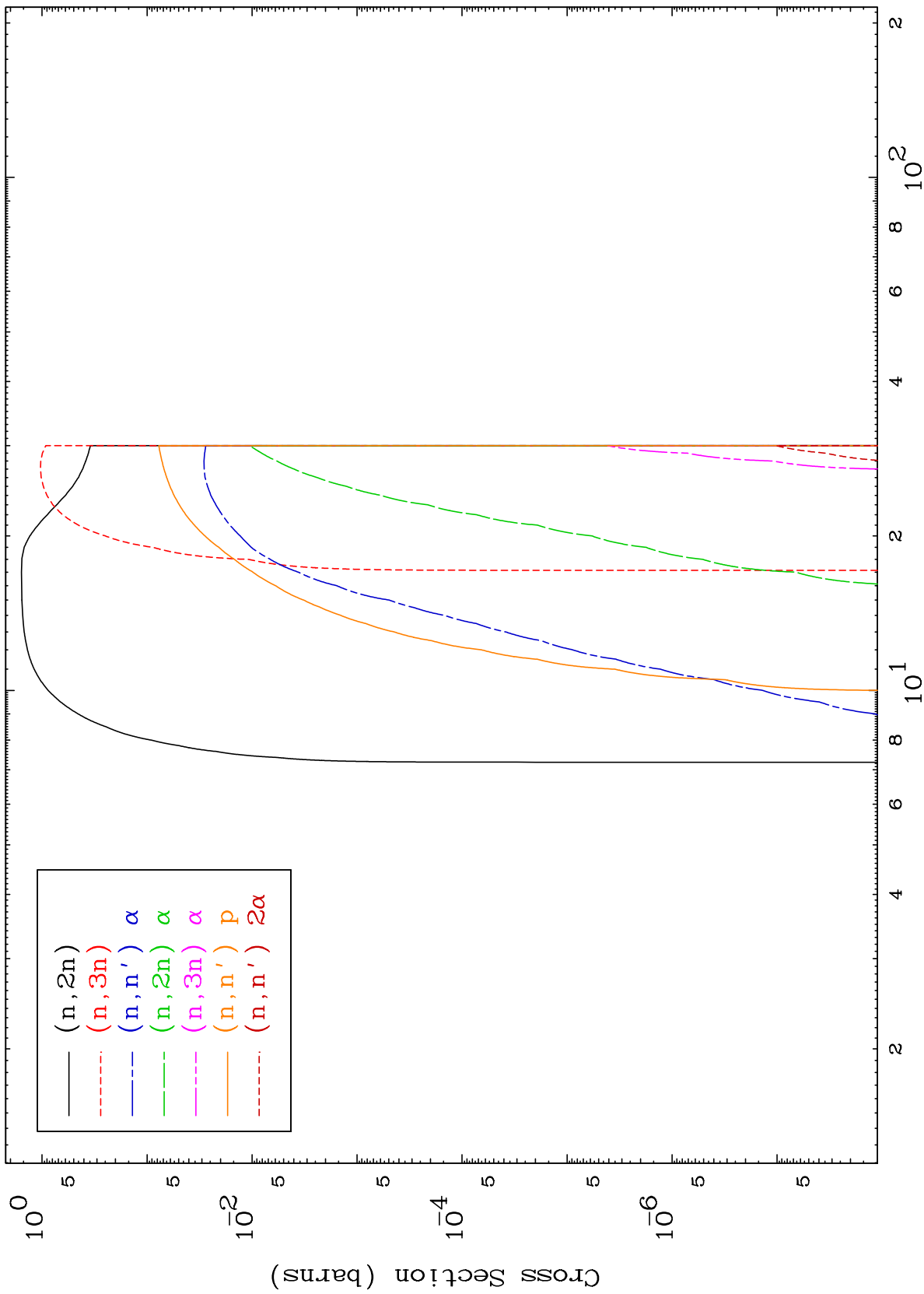
56-Ba-133



MAT 5634

Neutron Production
293 Kelvin Cross Sections

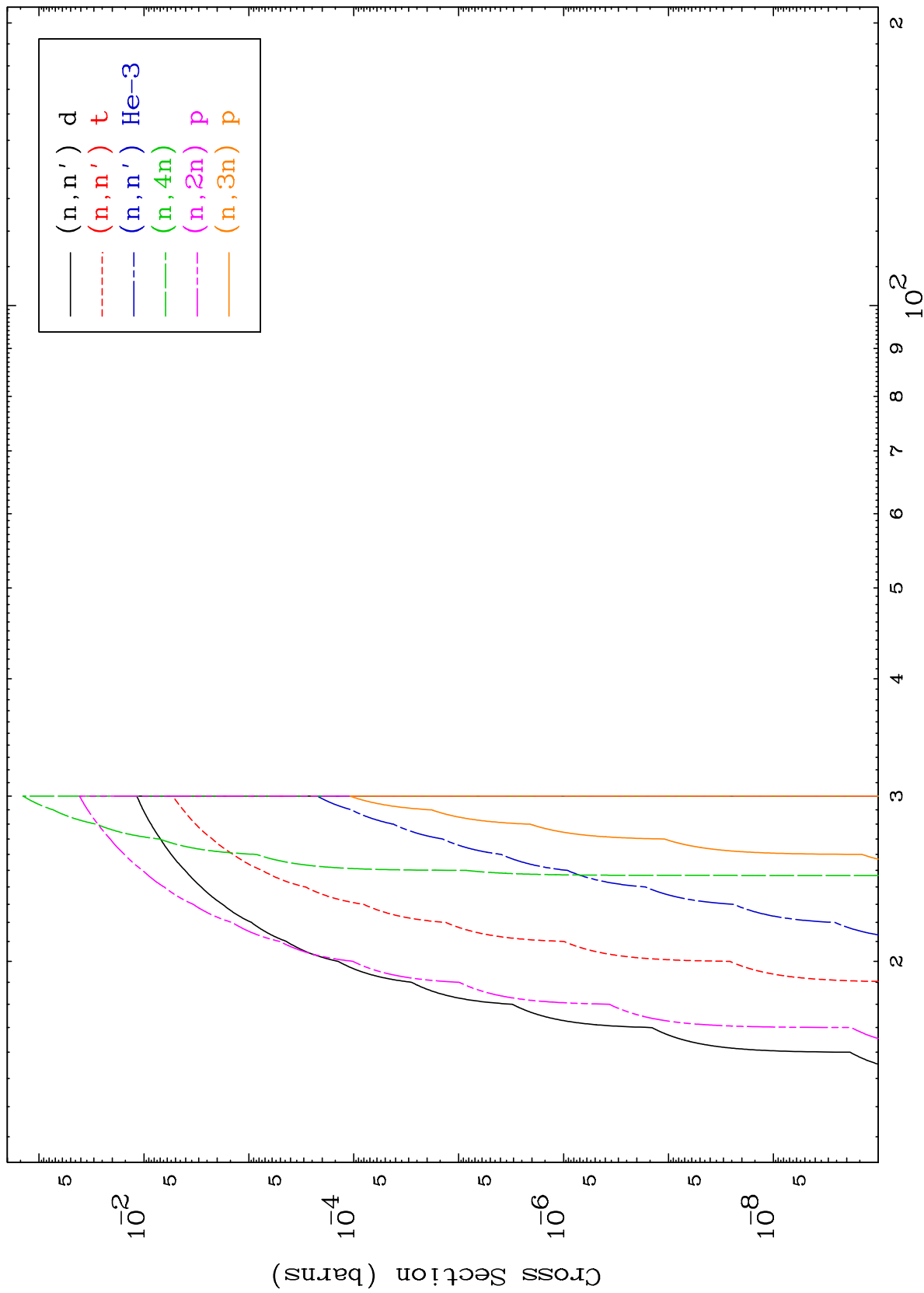
56-Ba-133

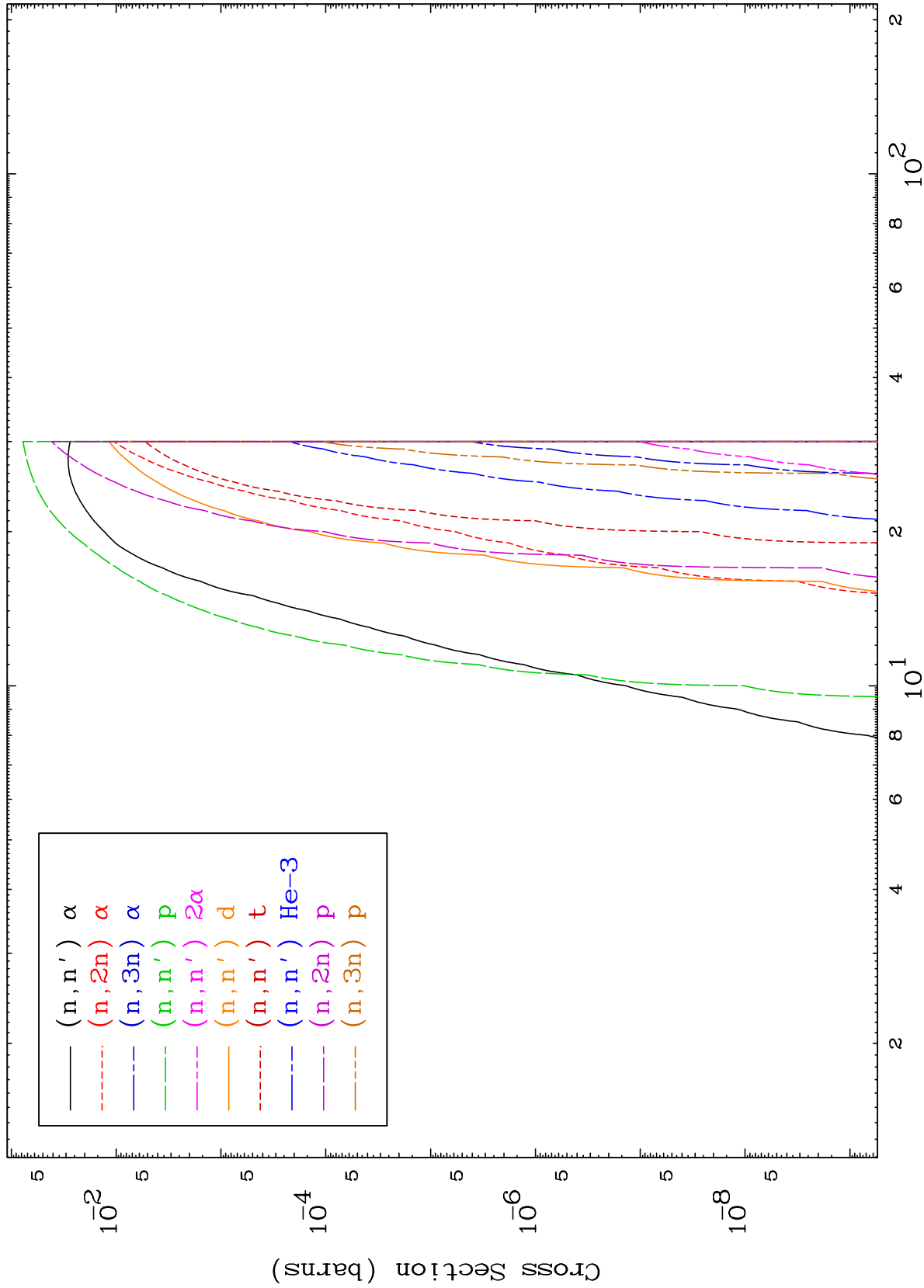


2

Incident Energy (MeV)

56-Ba-133

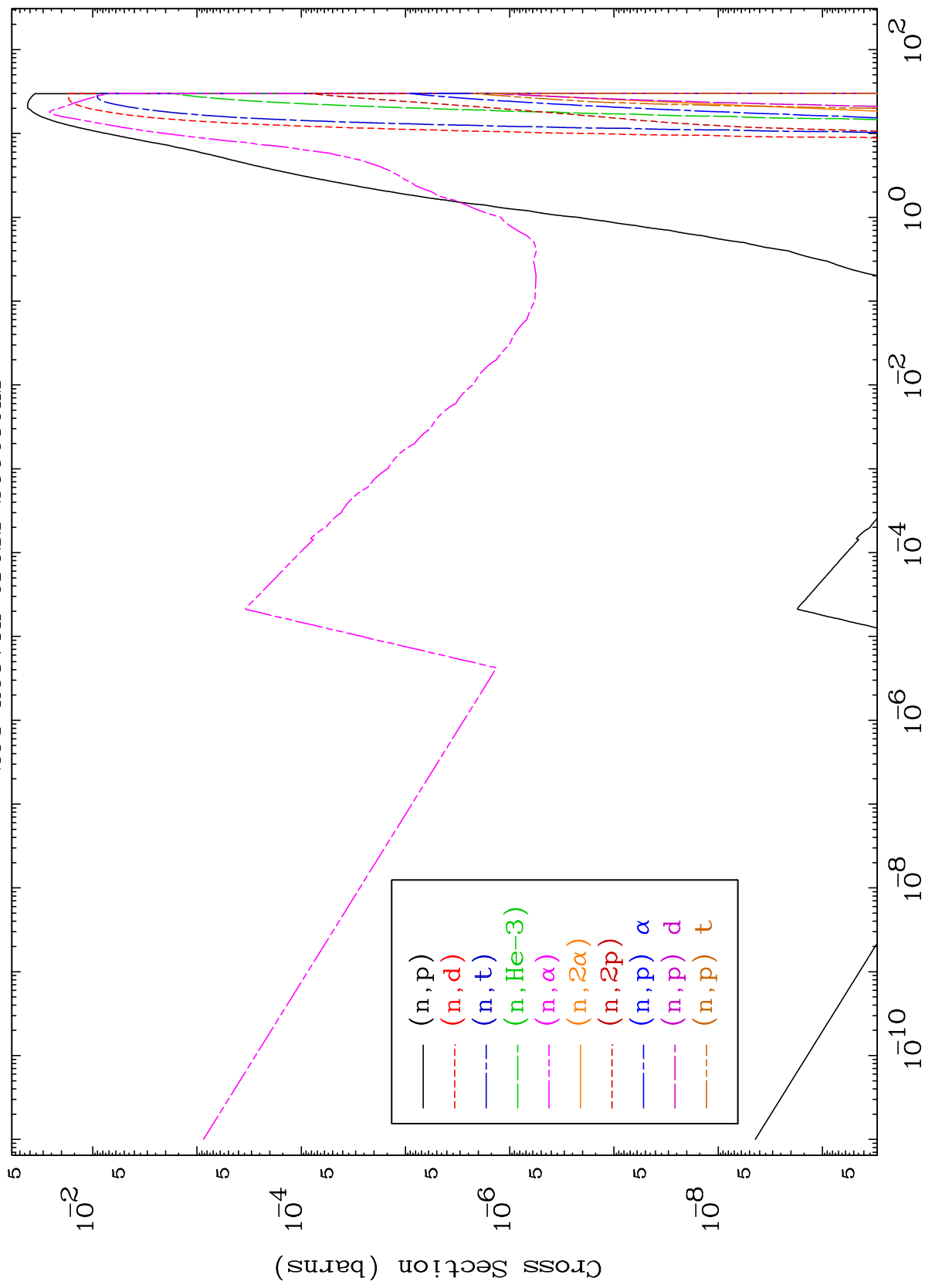




MAT 5634

293 Kelvin Cross Sections

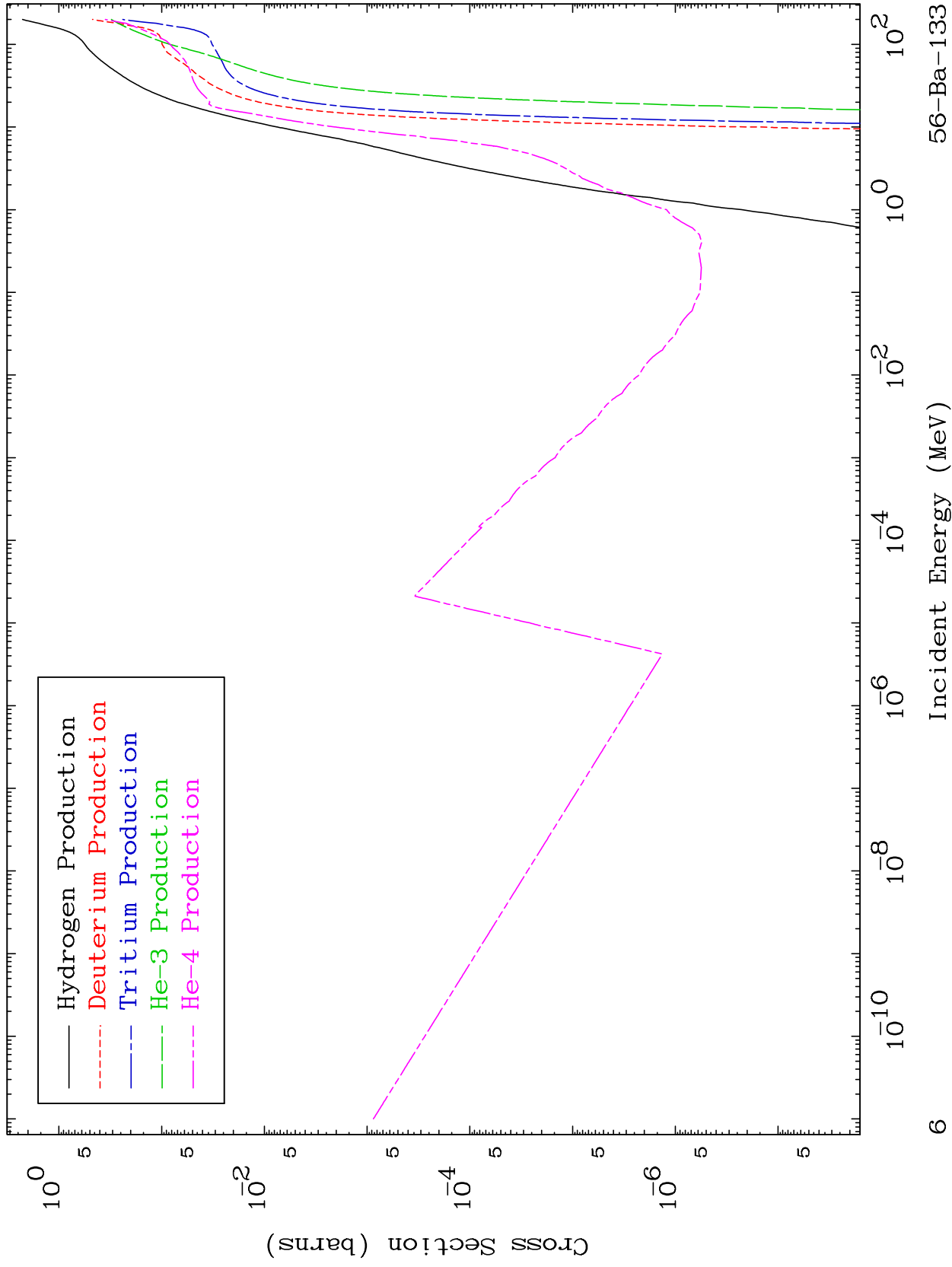
56-Ba-133



5

Incident Energy (MeV)

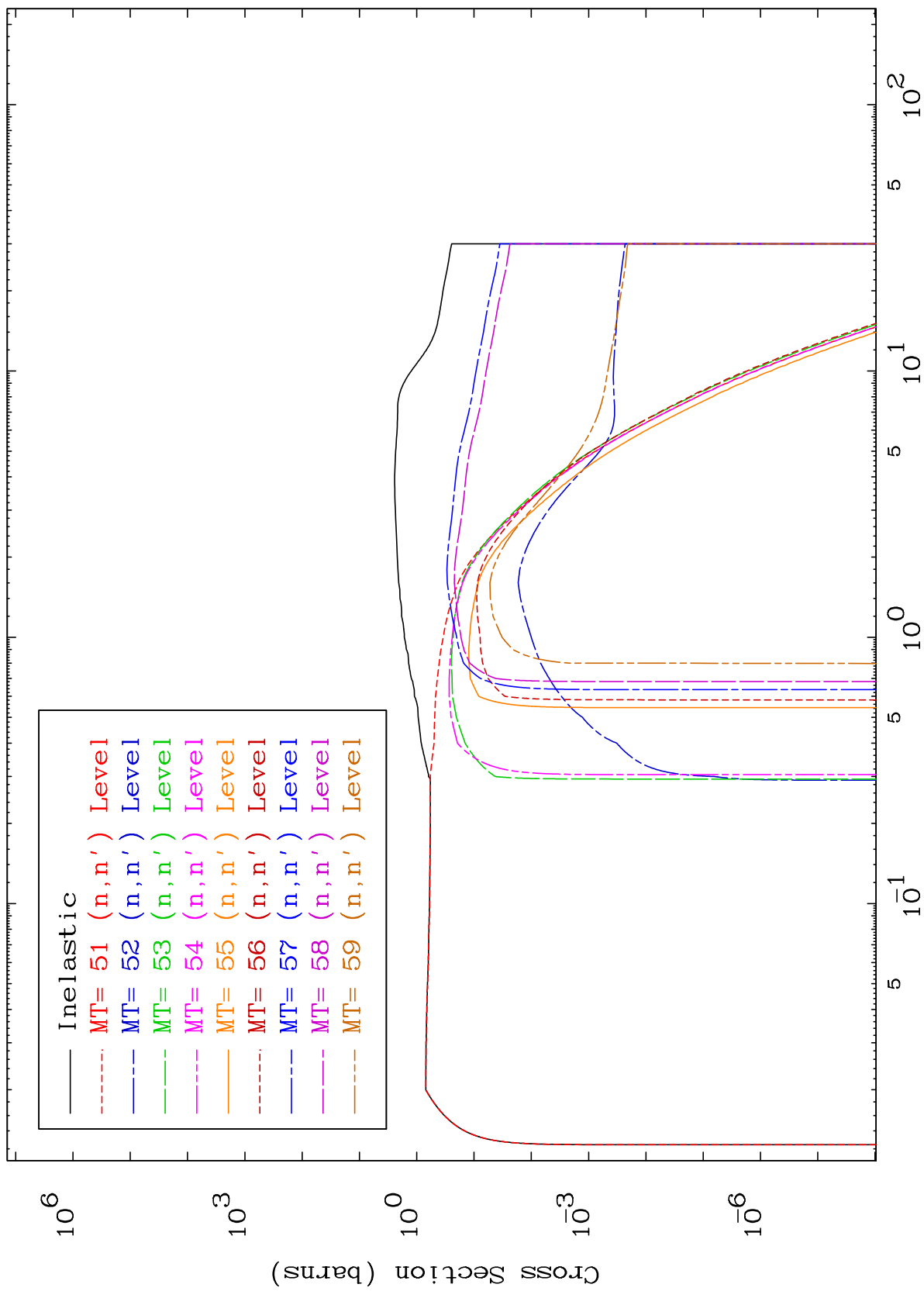
56-Ba-133



MAT 5634

(n,n') Level
293 Kelvin Cross Sections

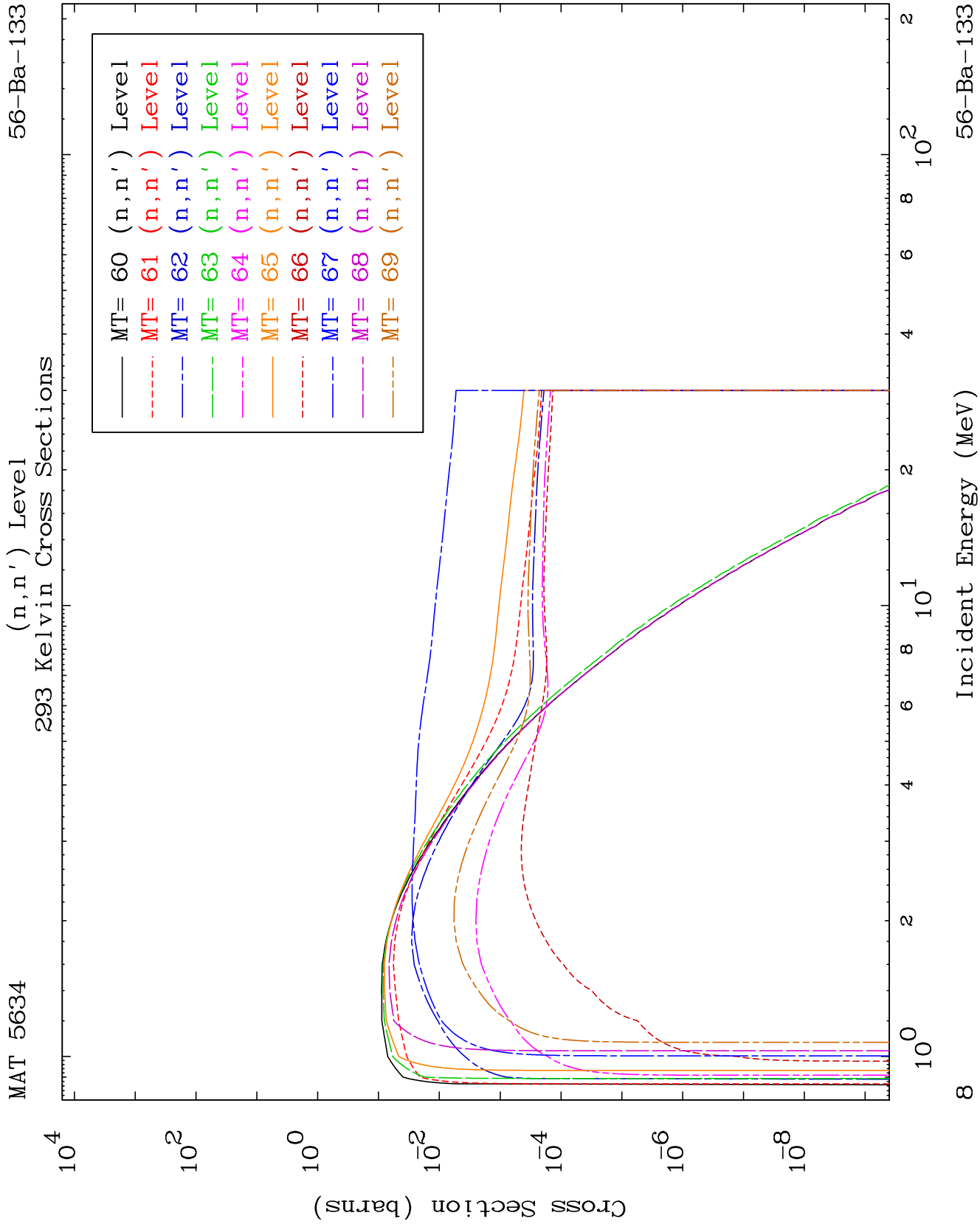
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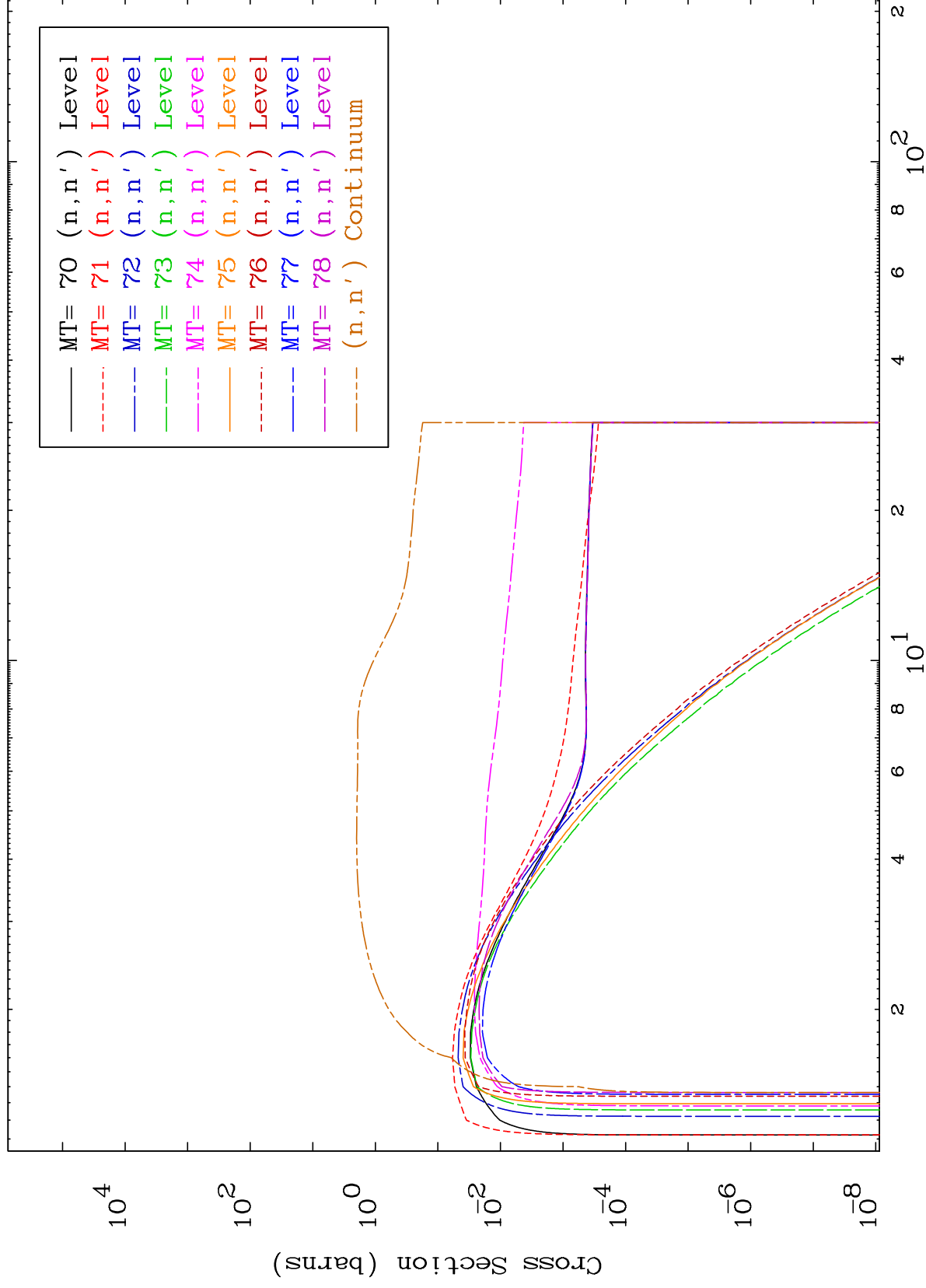


7

Incident Energy (MeV)

56-Ba-133

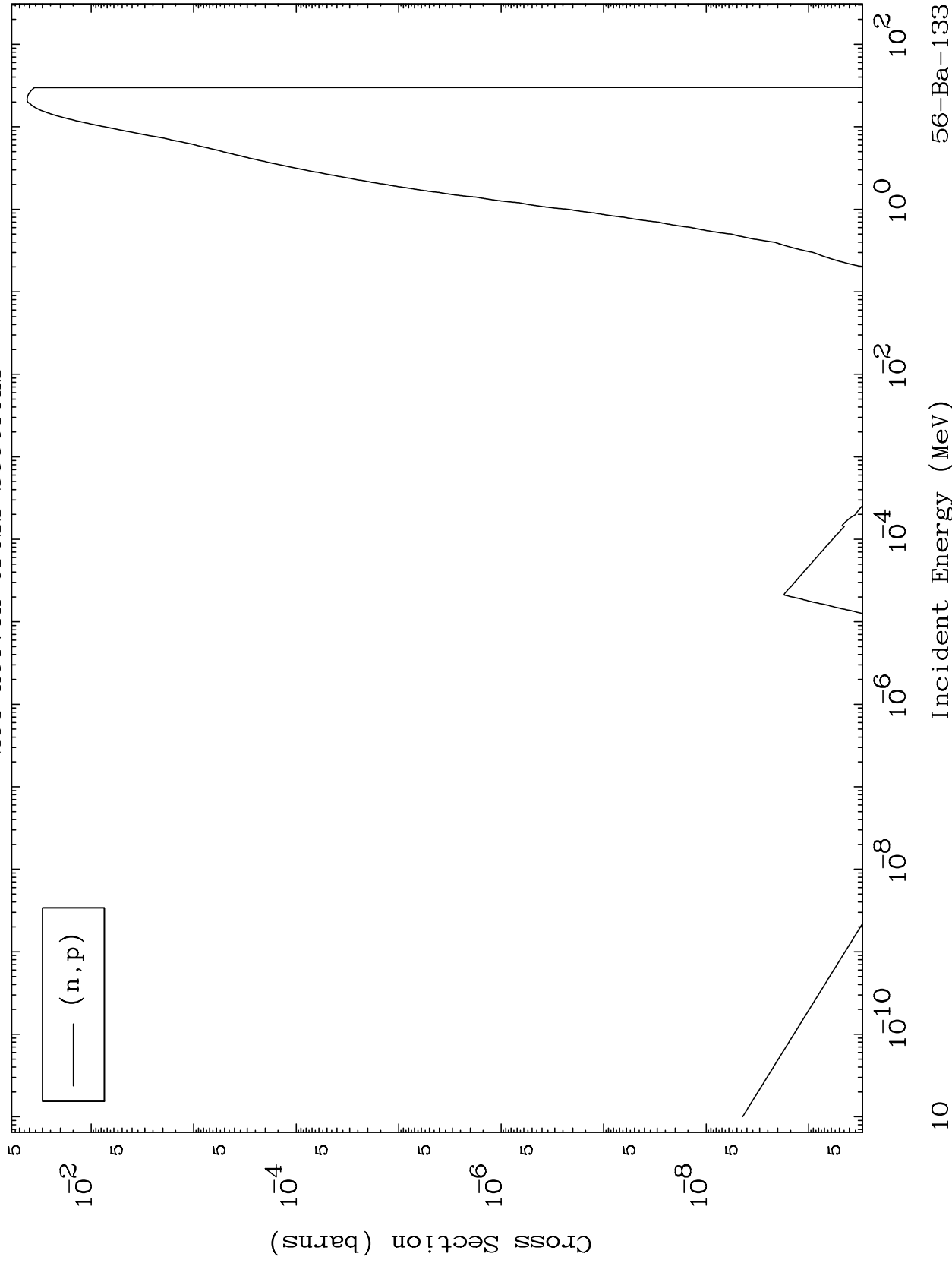




MAT 5634

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-133

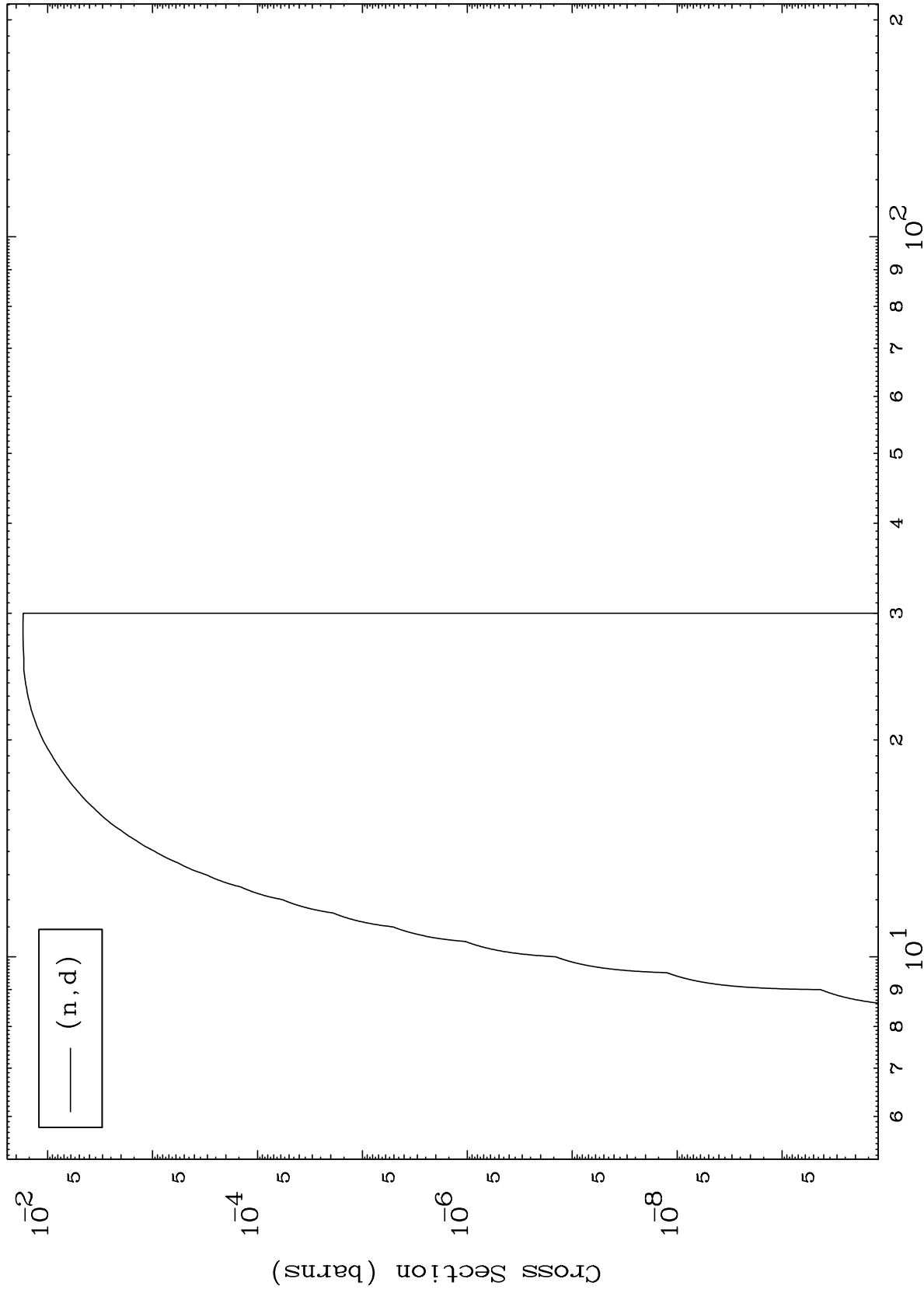


56-Ba-133

MAT 5634

56-Ba-133

(n,d) Levels
293 Kelvin Cross Sections



11

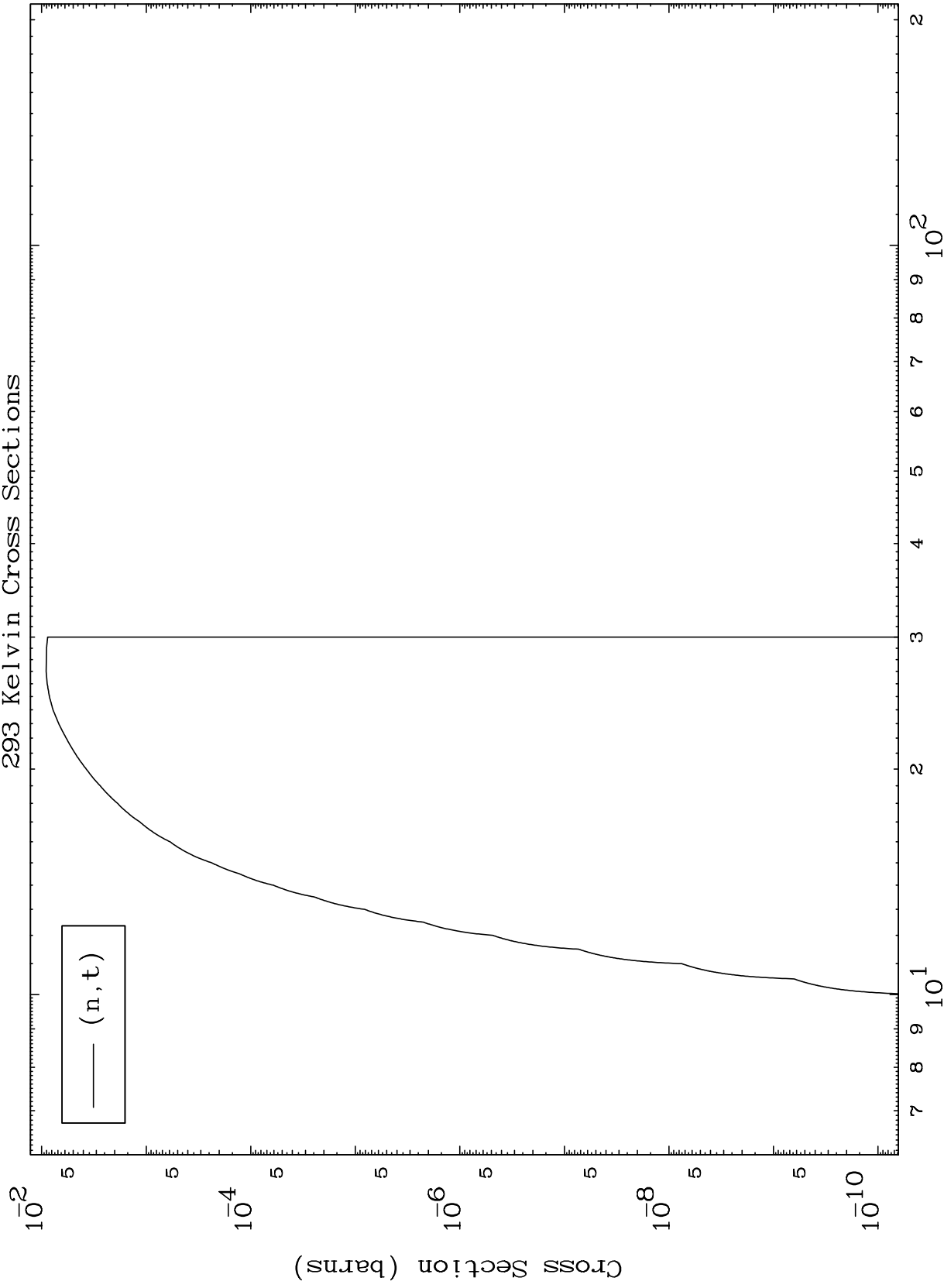
Incident Energy (MeV)

56-Ba-133

MAT 5634

56-Ba-133

(n,t) Levels
293 Kelvin Cross Sections



12

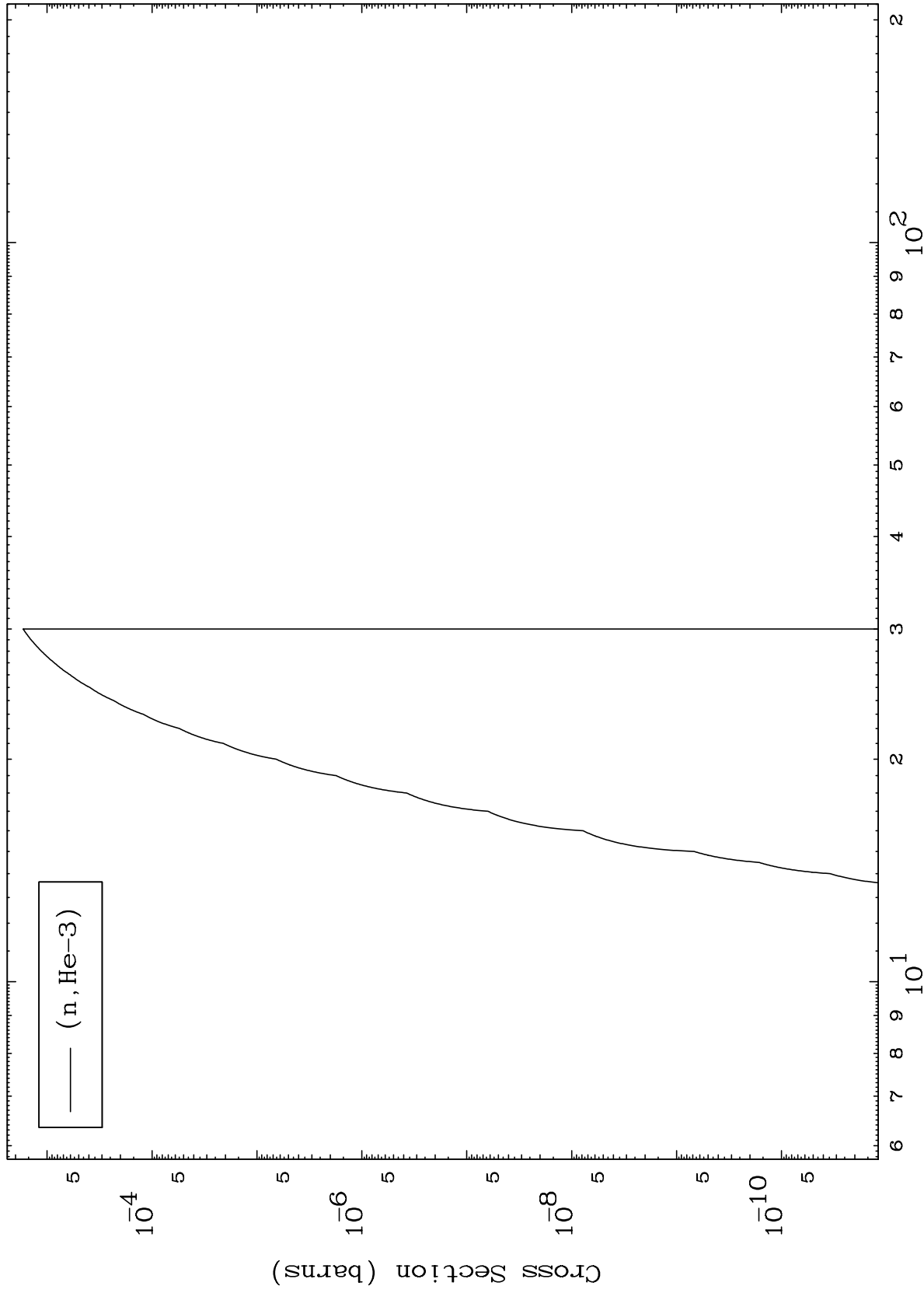
Incident Energy (MeV)

56-Ba-133

MAT 5634

56-Ba-133

(n,He3) Levels
293 Kelvin Cross Sections



13

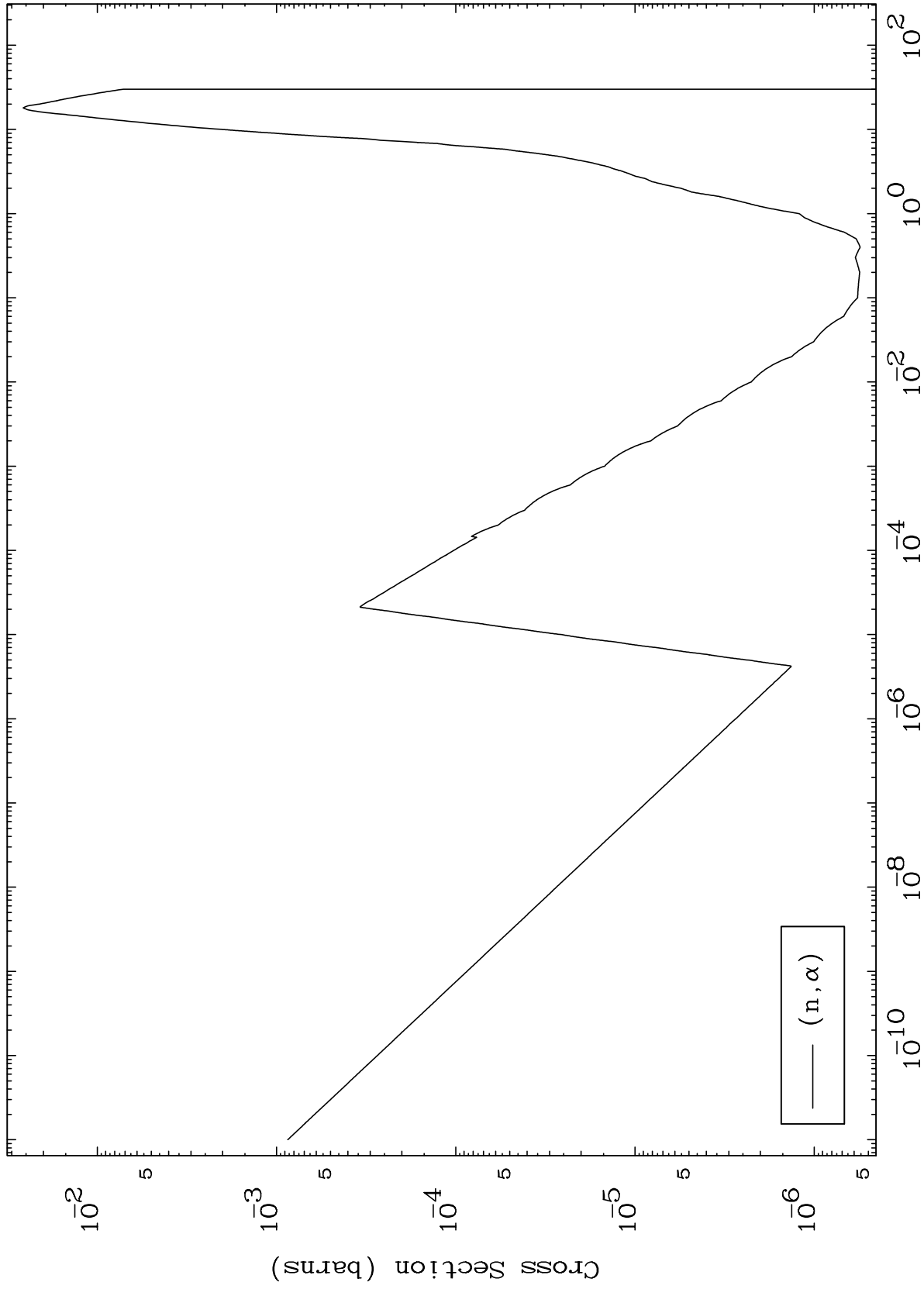
Incident Energy (MeV)

56-Ba-133

MAT 5634

293 Kelvin Cross Sections
(n, α) Levels

56-Ba-133



14

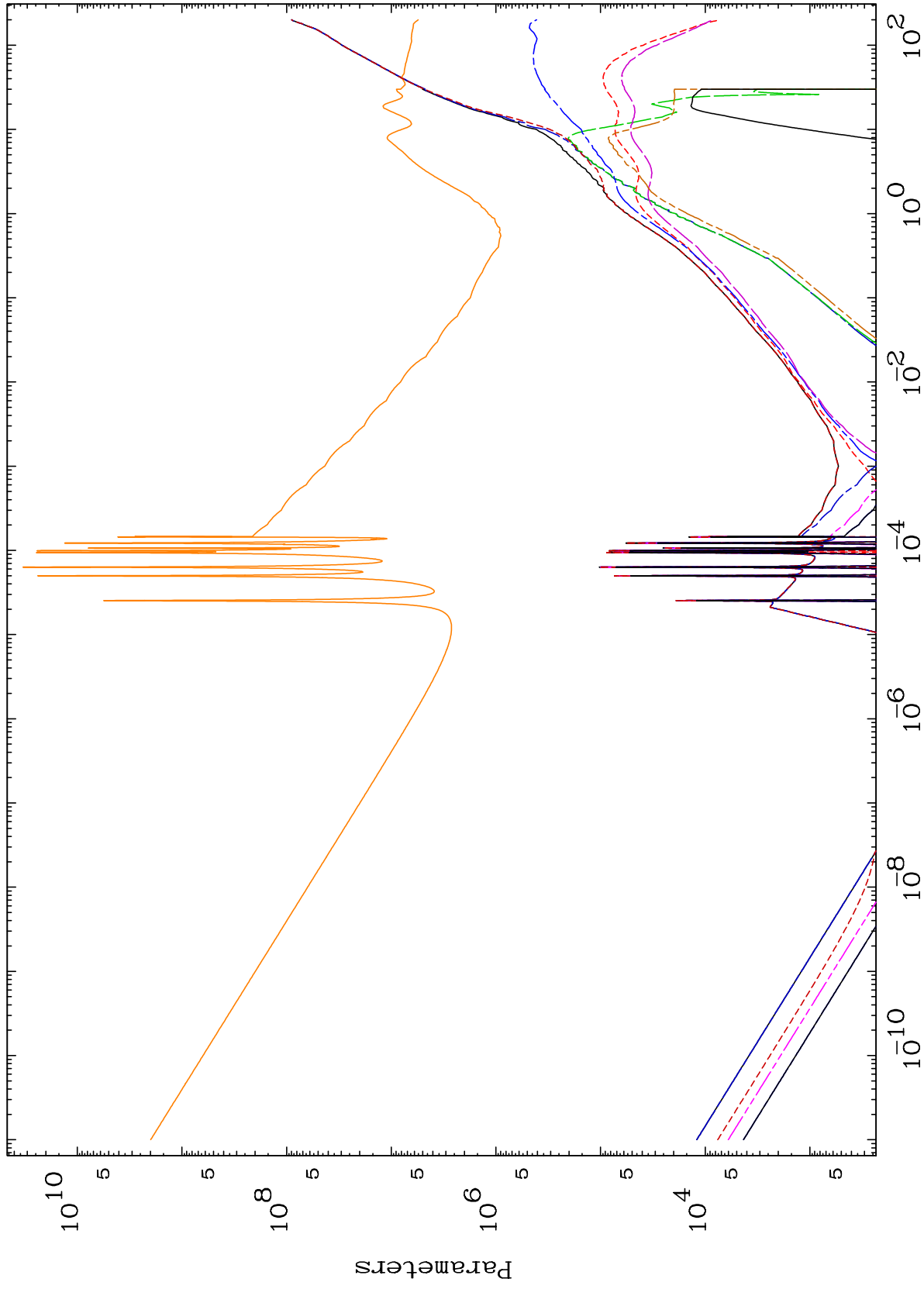
Incident Energy (MeV)

56-Ba-133

MAT 5634

Energy Release
Parameters

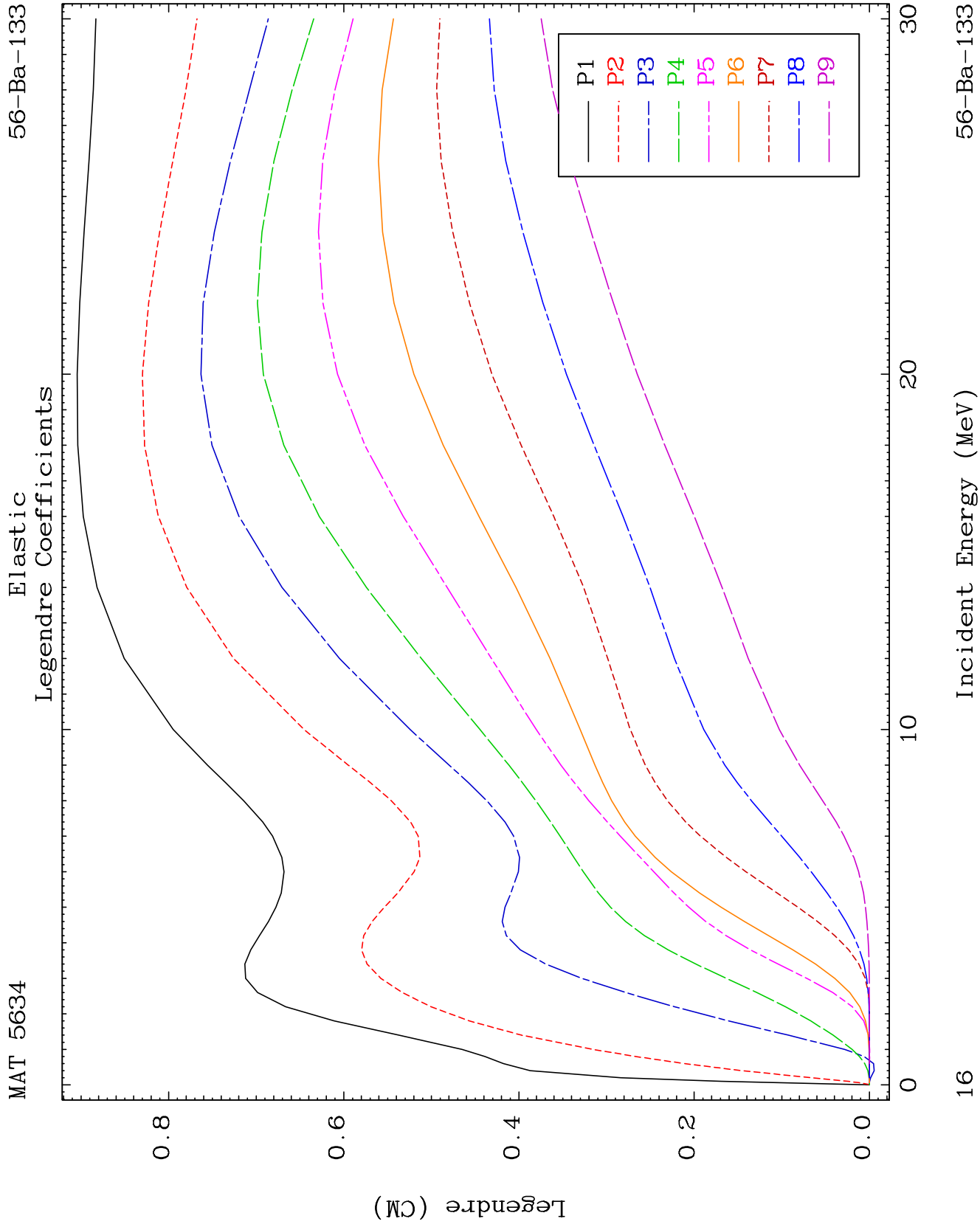
56-Ba-133

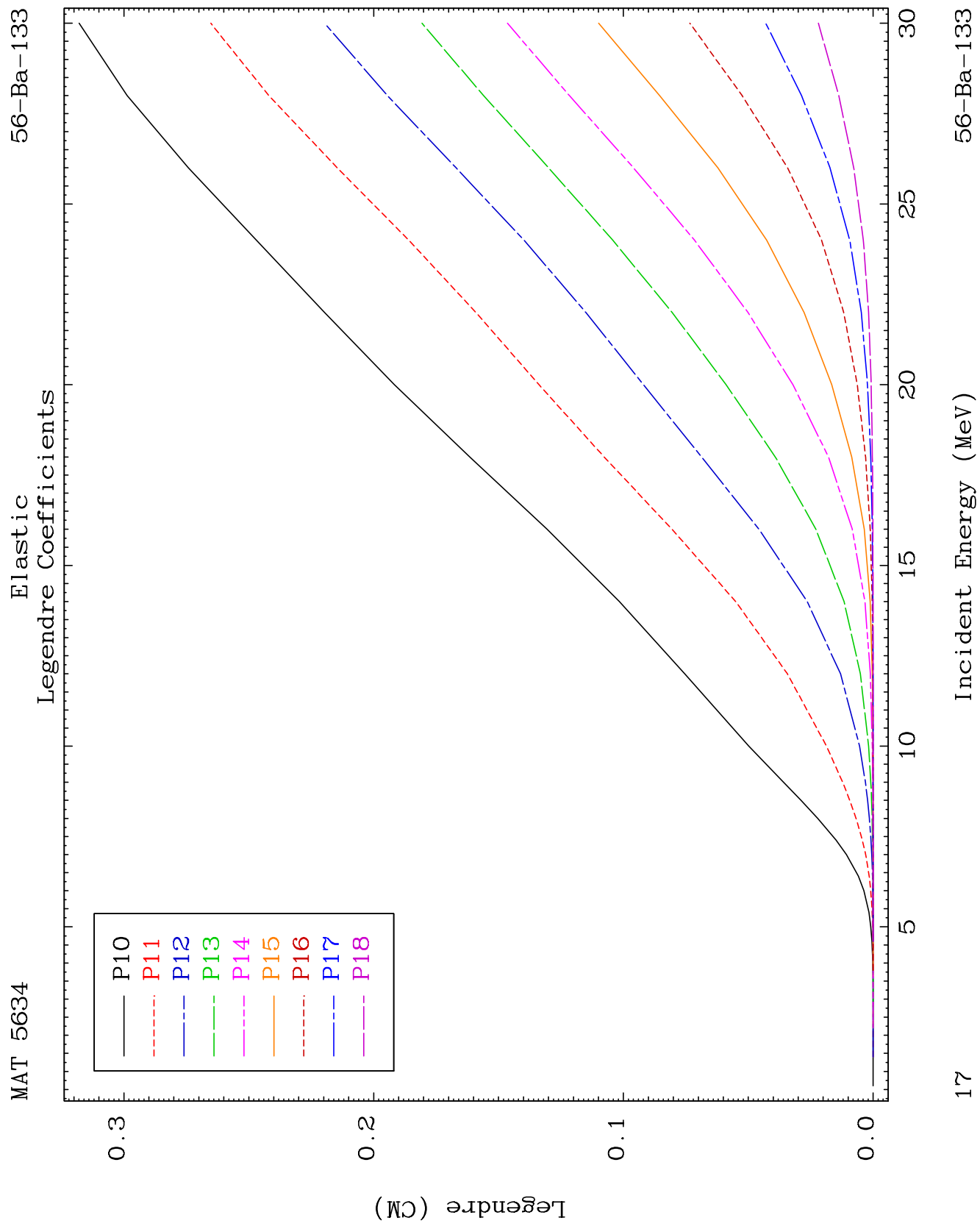


15

Incident Energy (MeV)

56-Ba-133

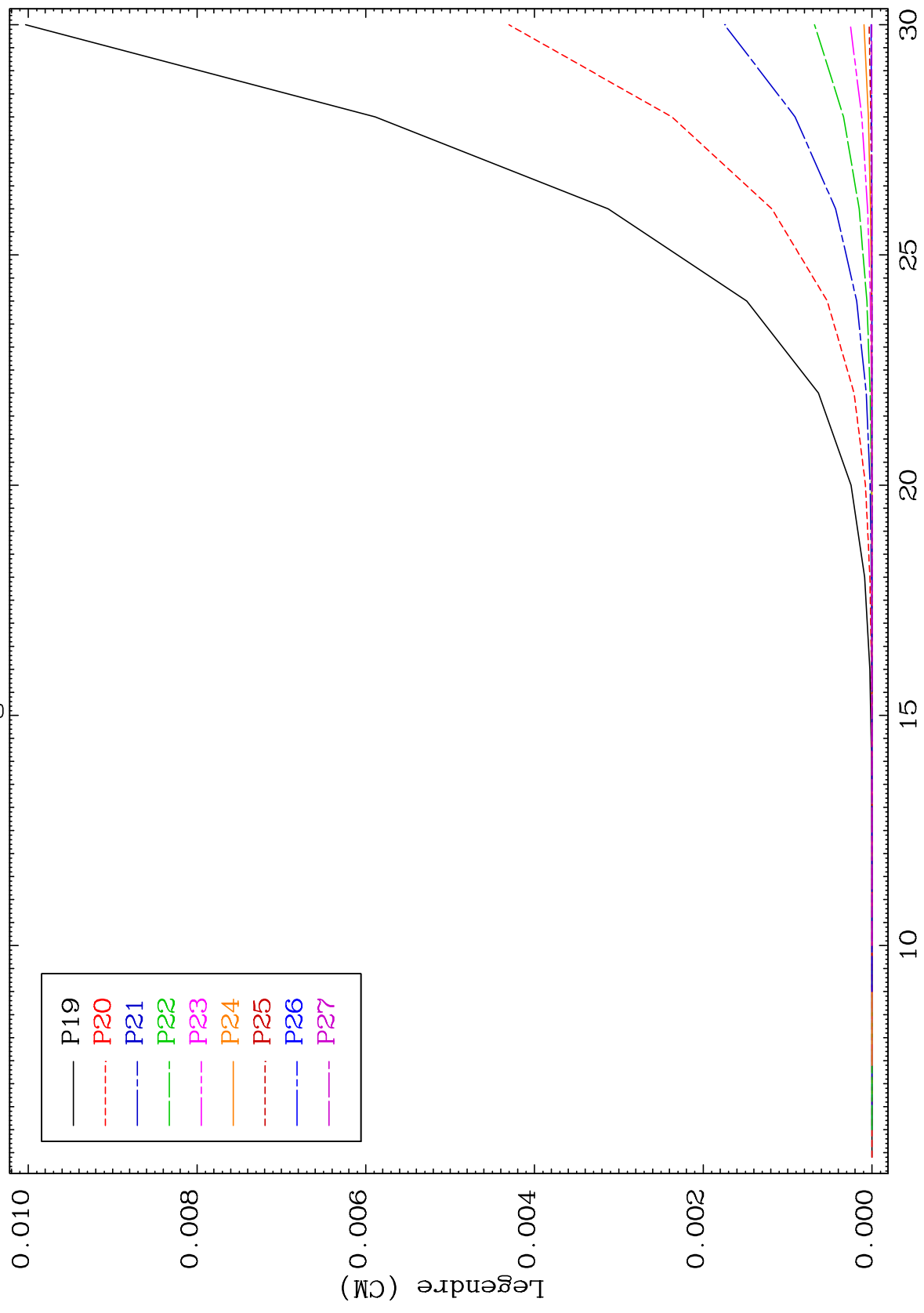




MAT 5634

Elastic Legendre Coefficients

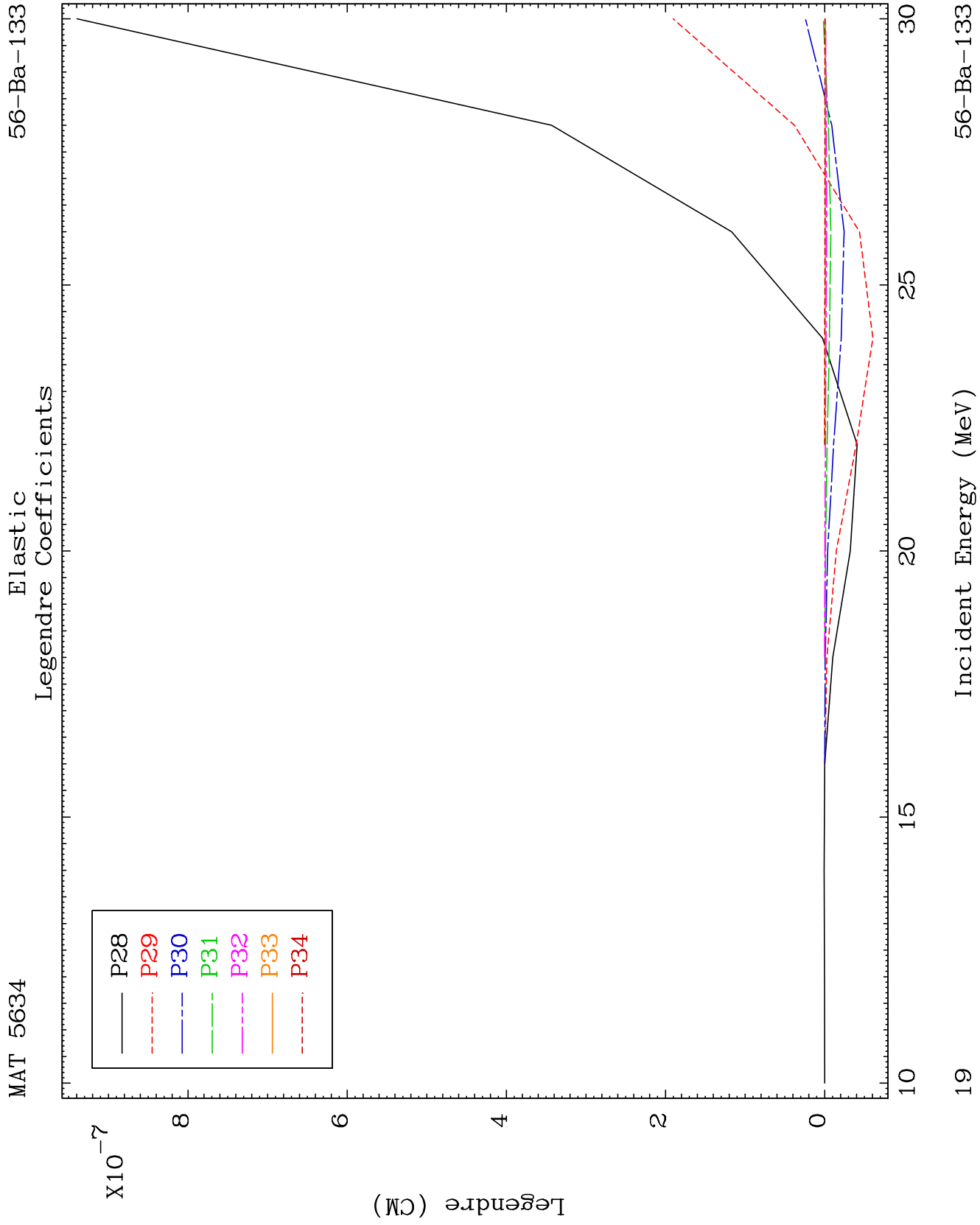
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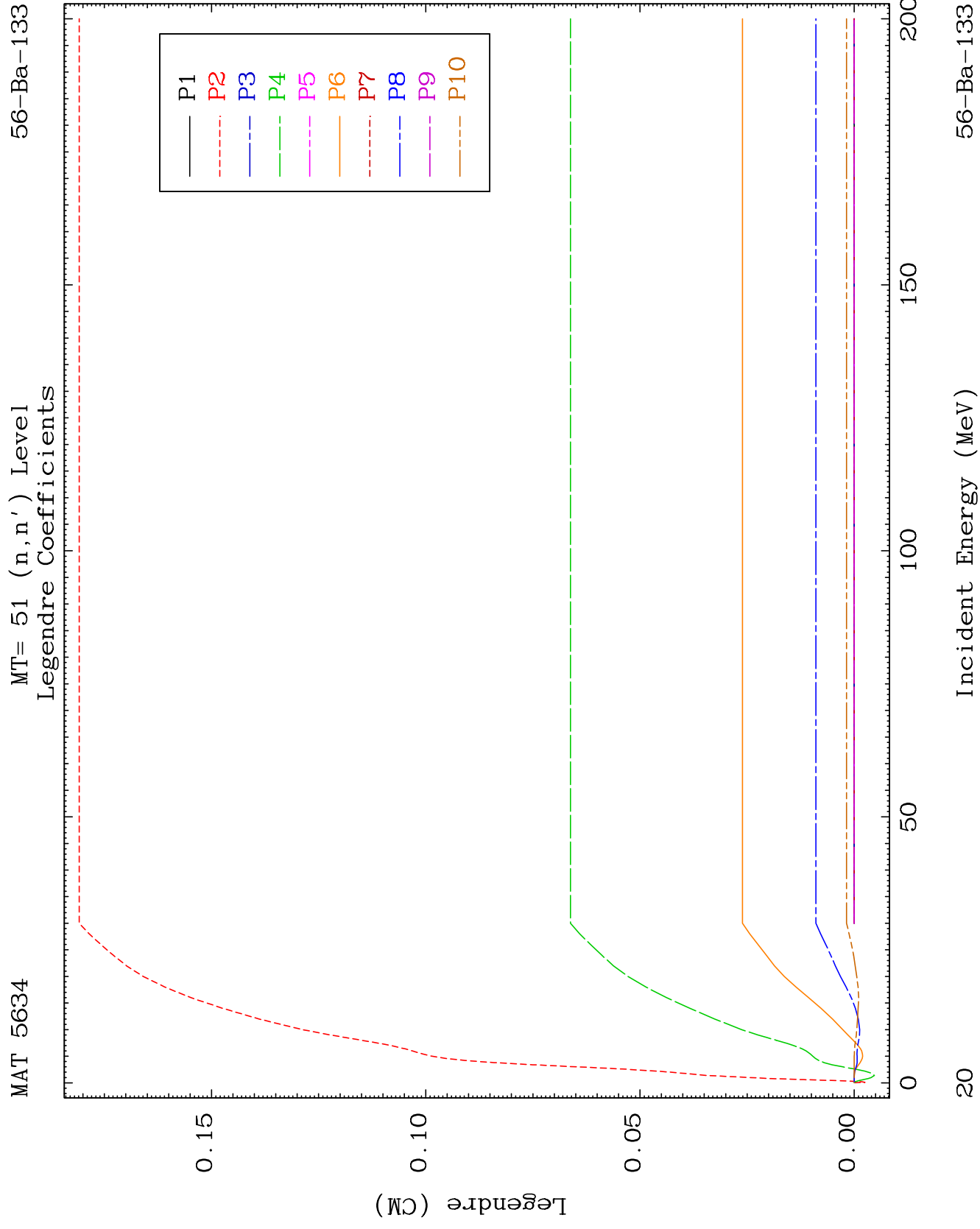


18

Incident Energy (MeV)

56-Ba-133

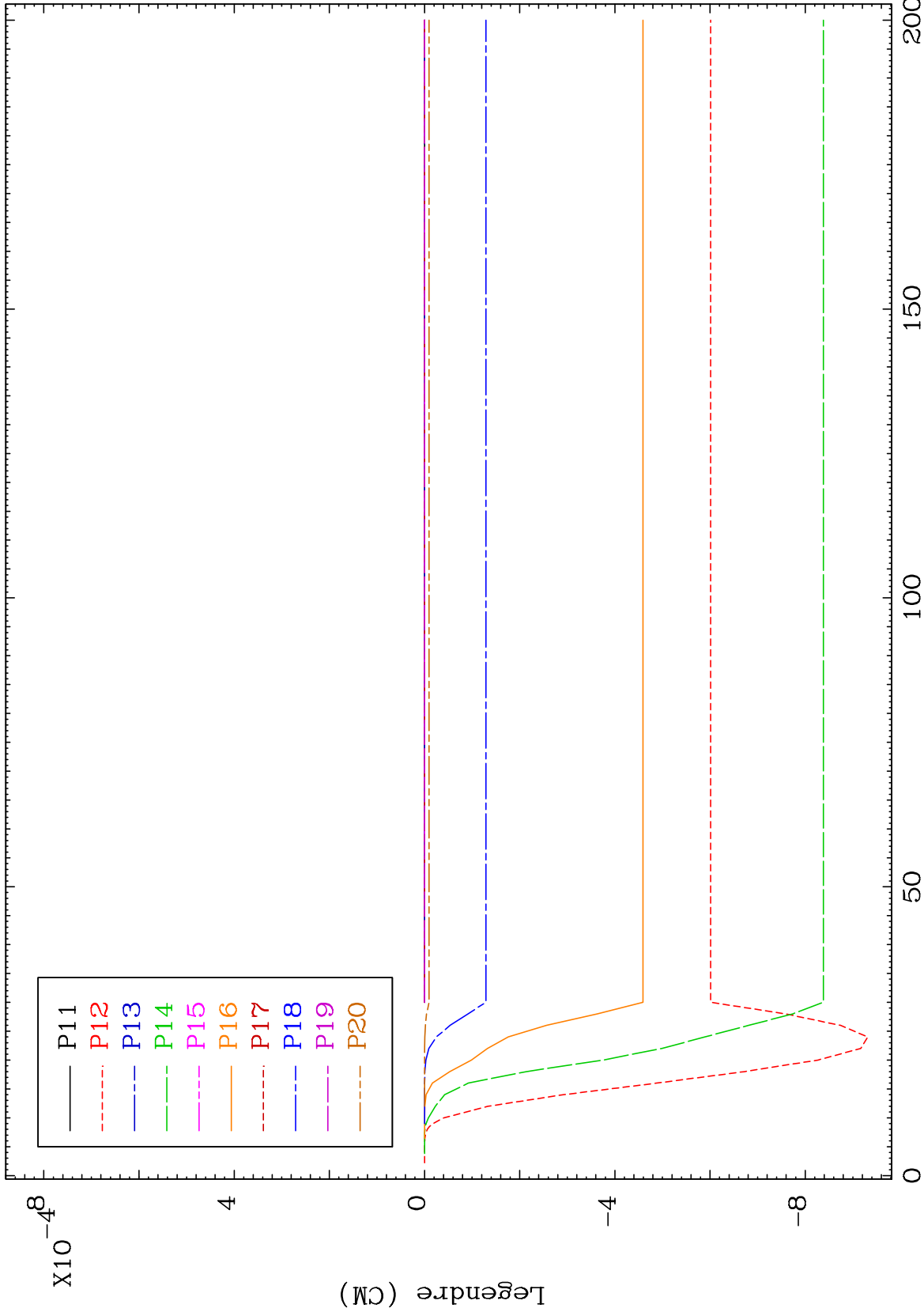




MAT 5634

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

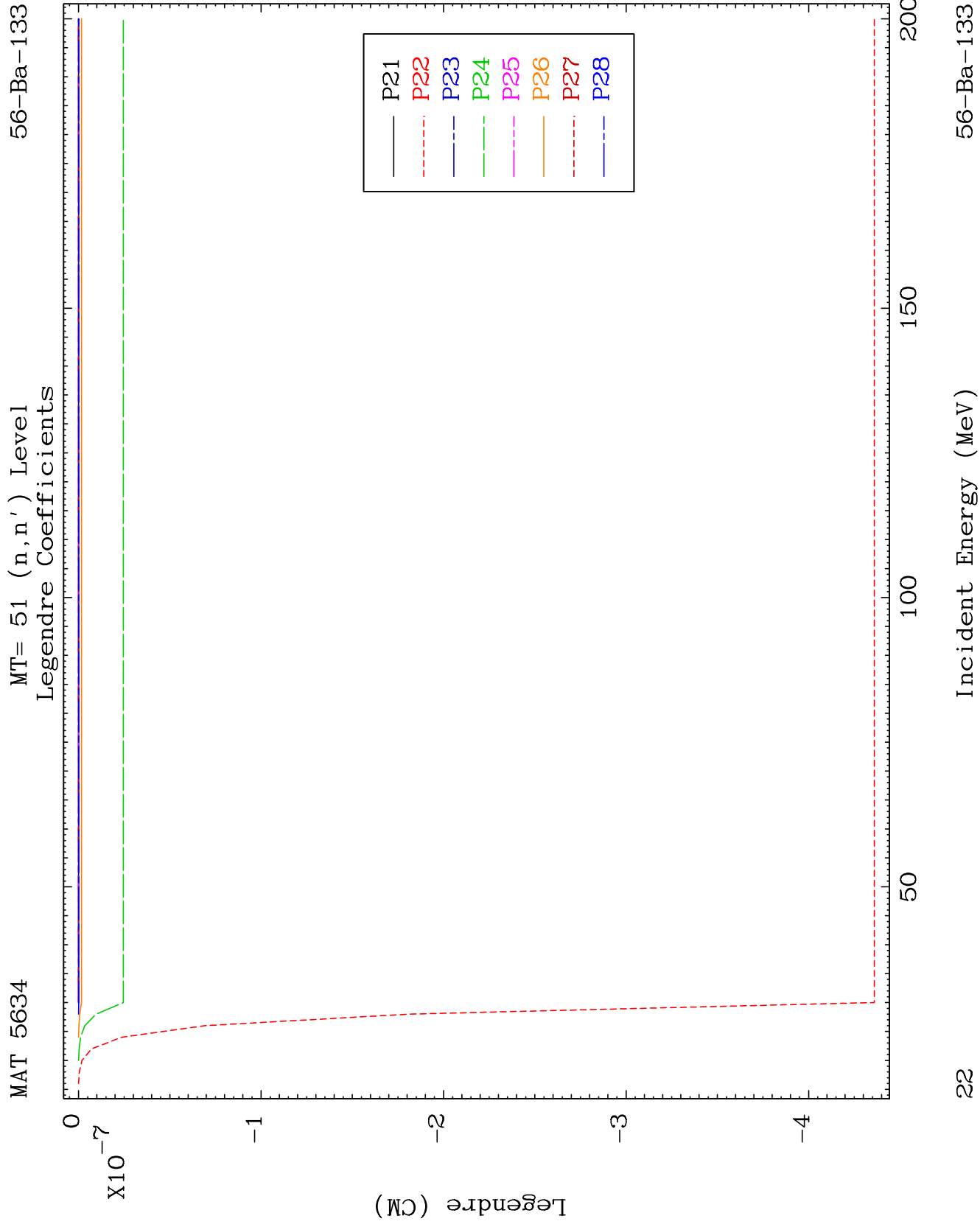
56-Ba-133



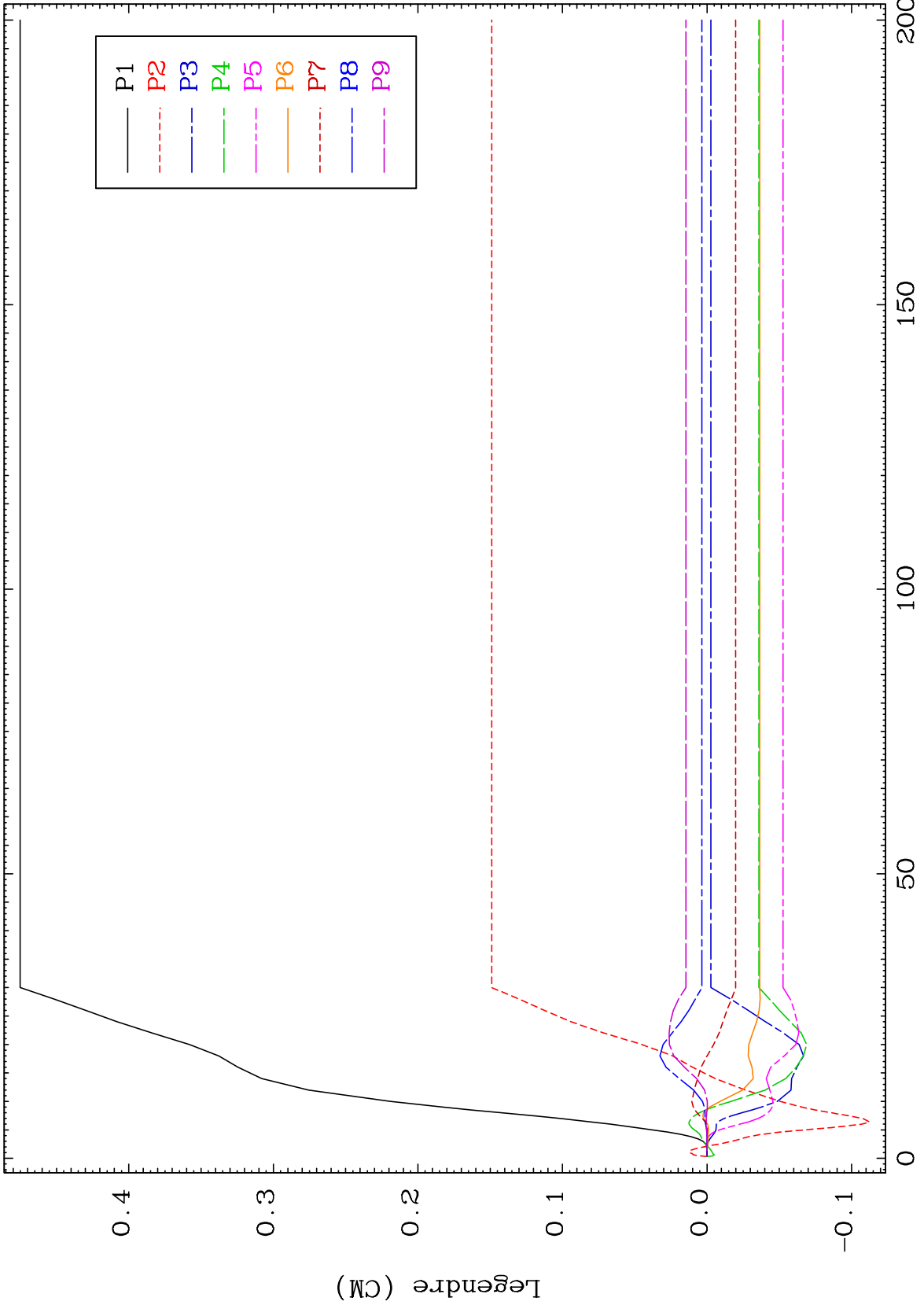
21

Incident Energy (MeV)

56-Ba-133



MAT 5634 MT= 52 (n,n') Level Legendre Coefficients 56-Ba-133

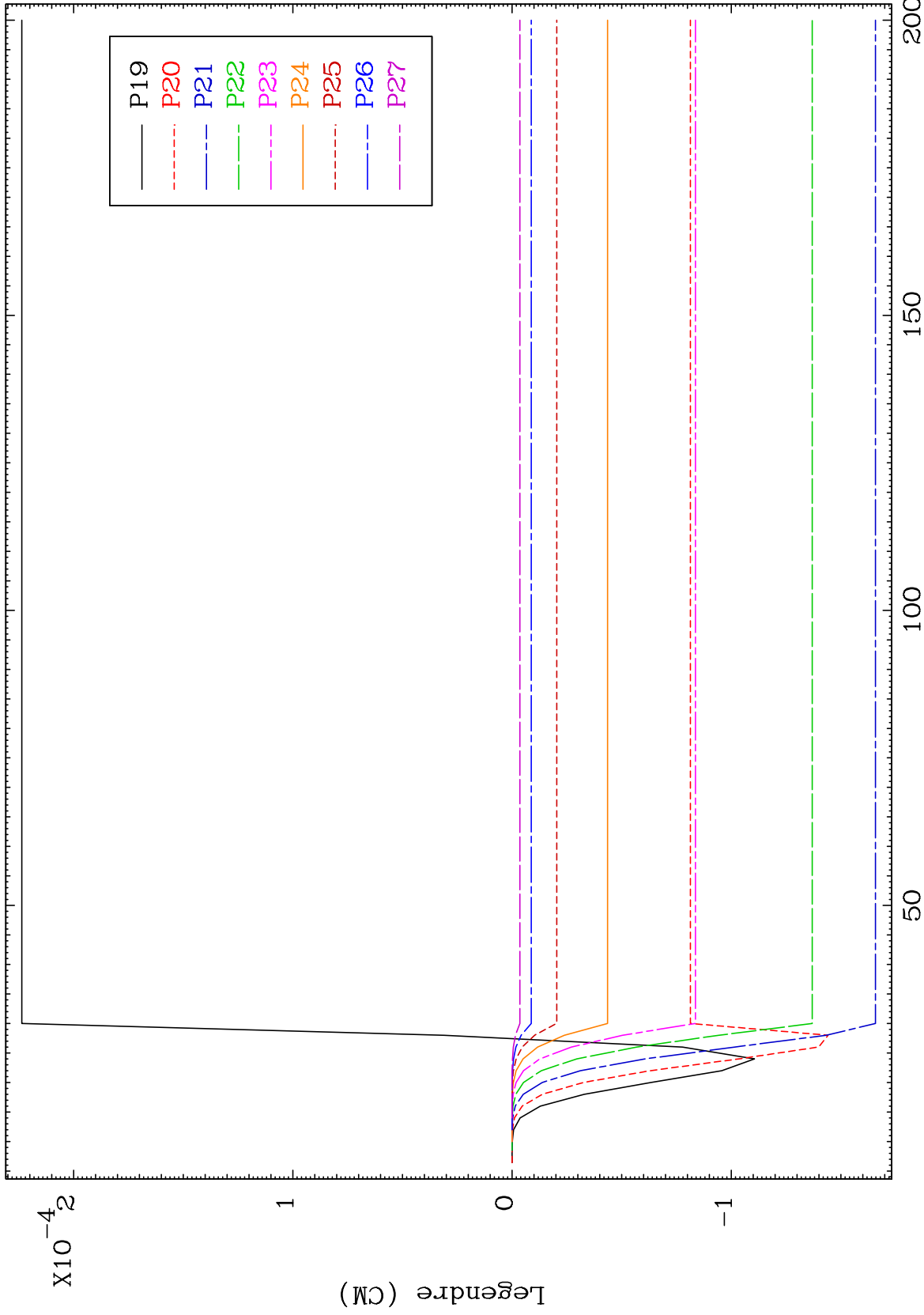


23 56-Ba-133

MAT 5634

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

56-Ba-133

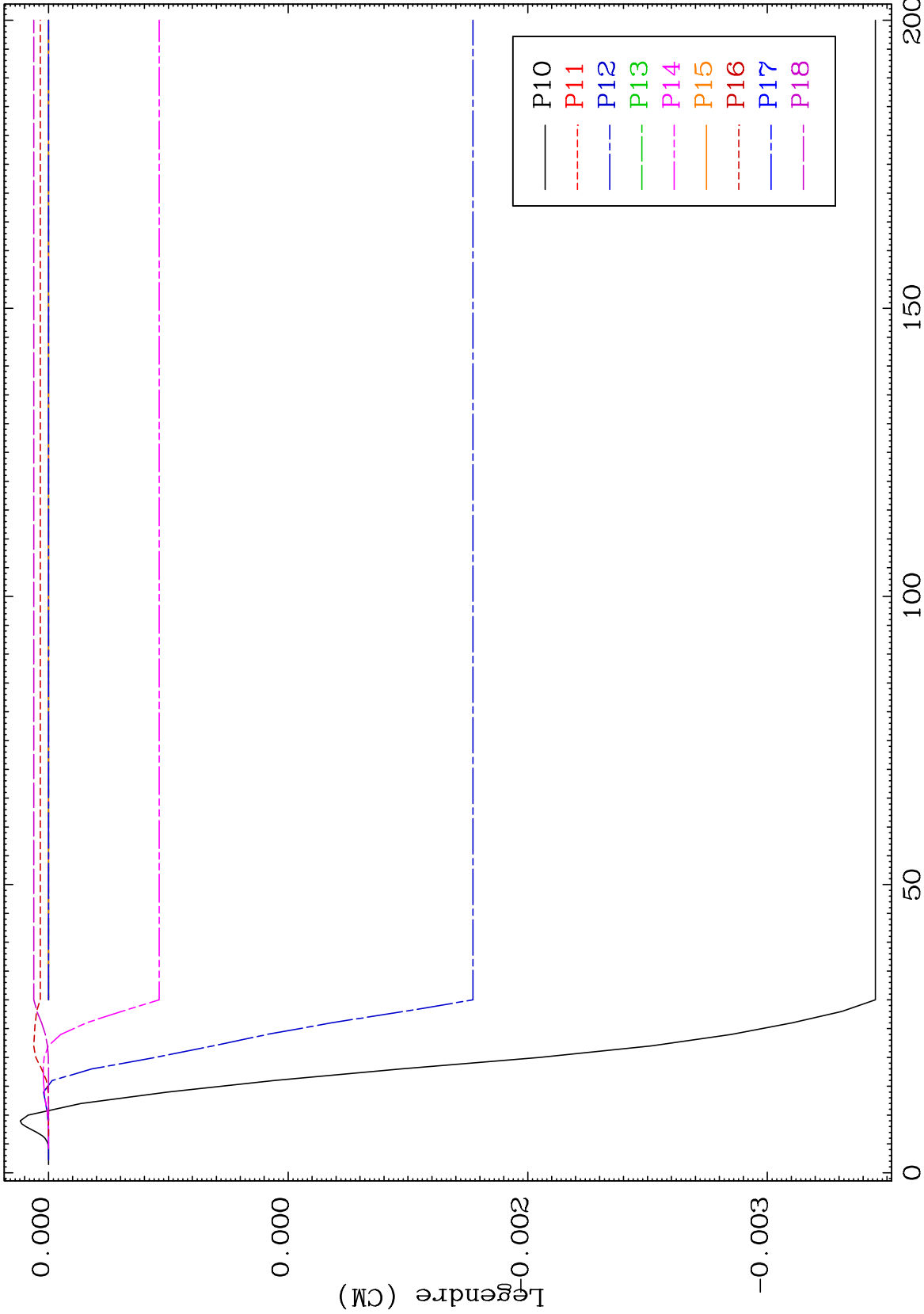


25

Incident Energy (MeV)

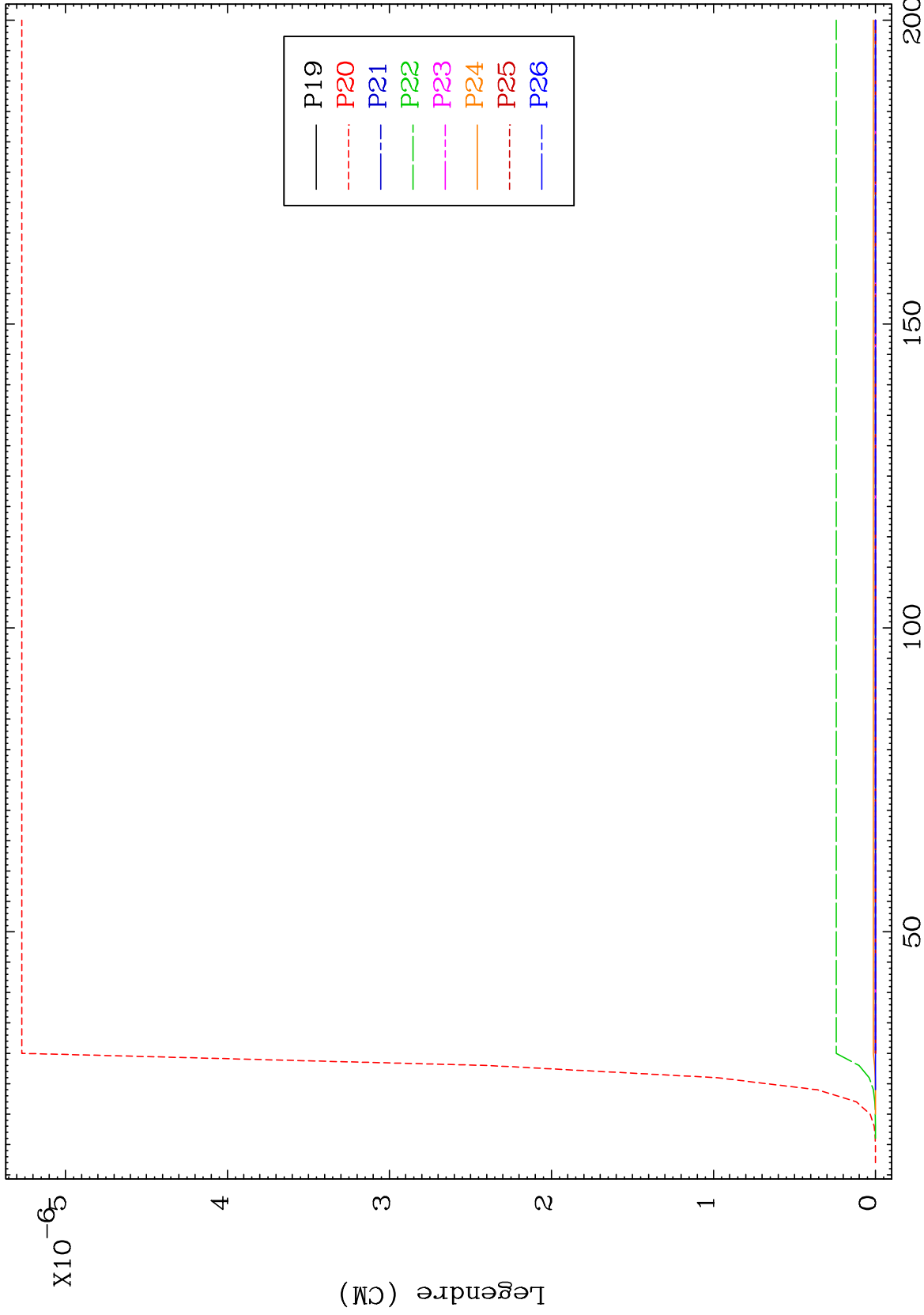
56-Ba-133

MAT 5634 MT= 53 (n,n') Level Legendre Coefficients 56-Ba-133

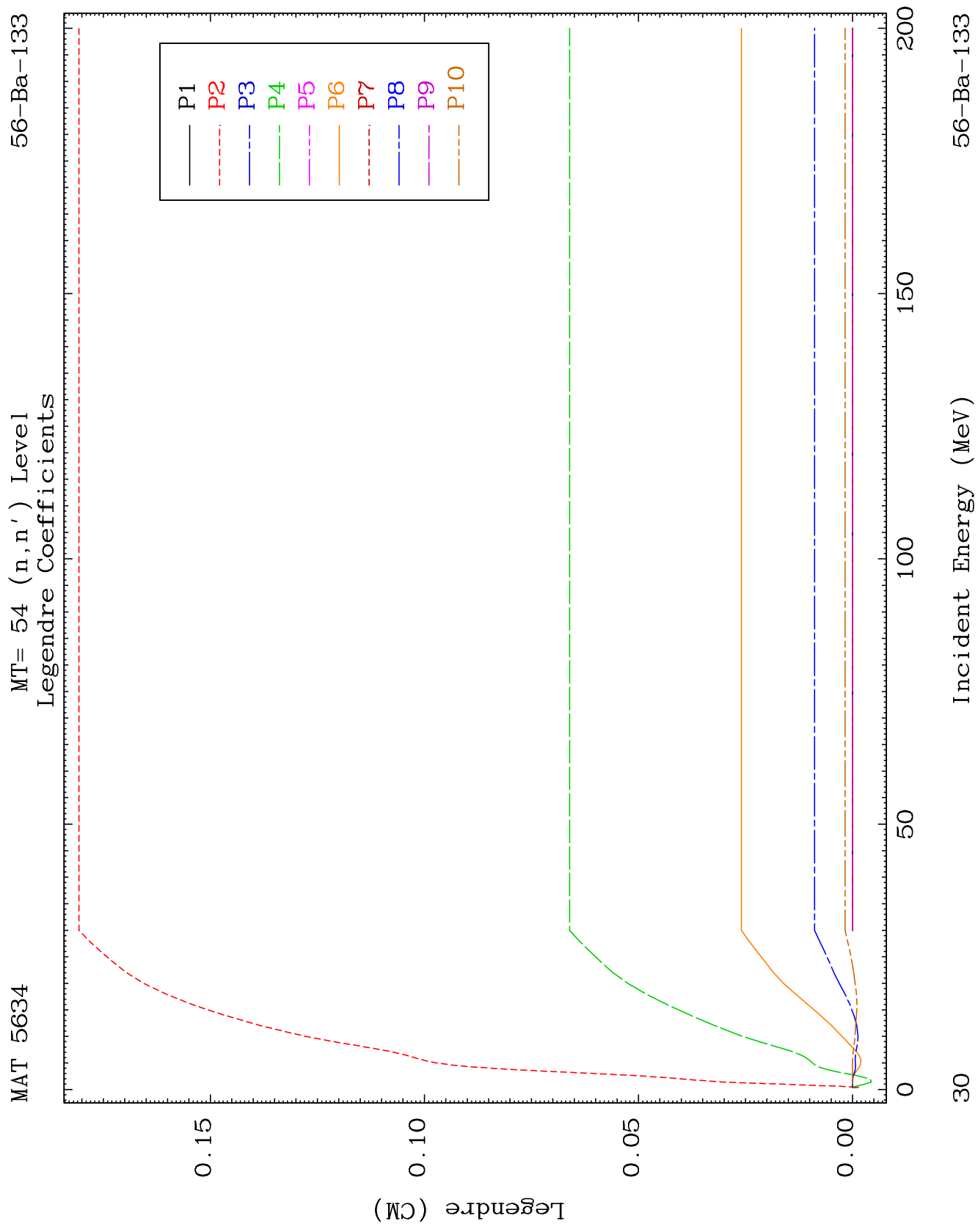


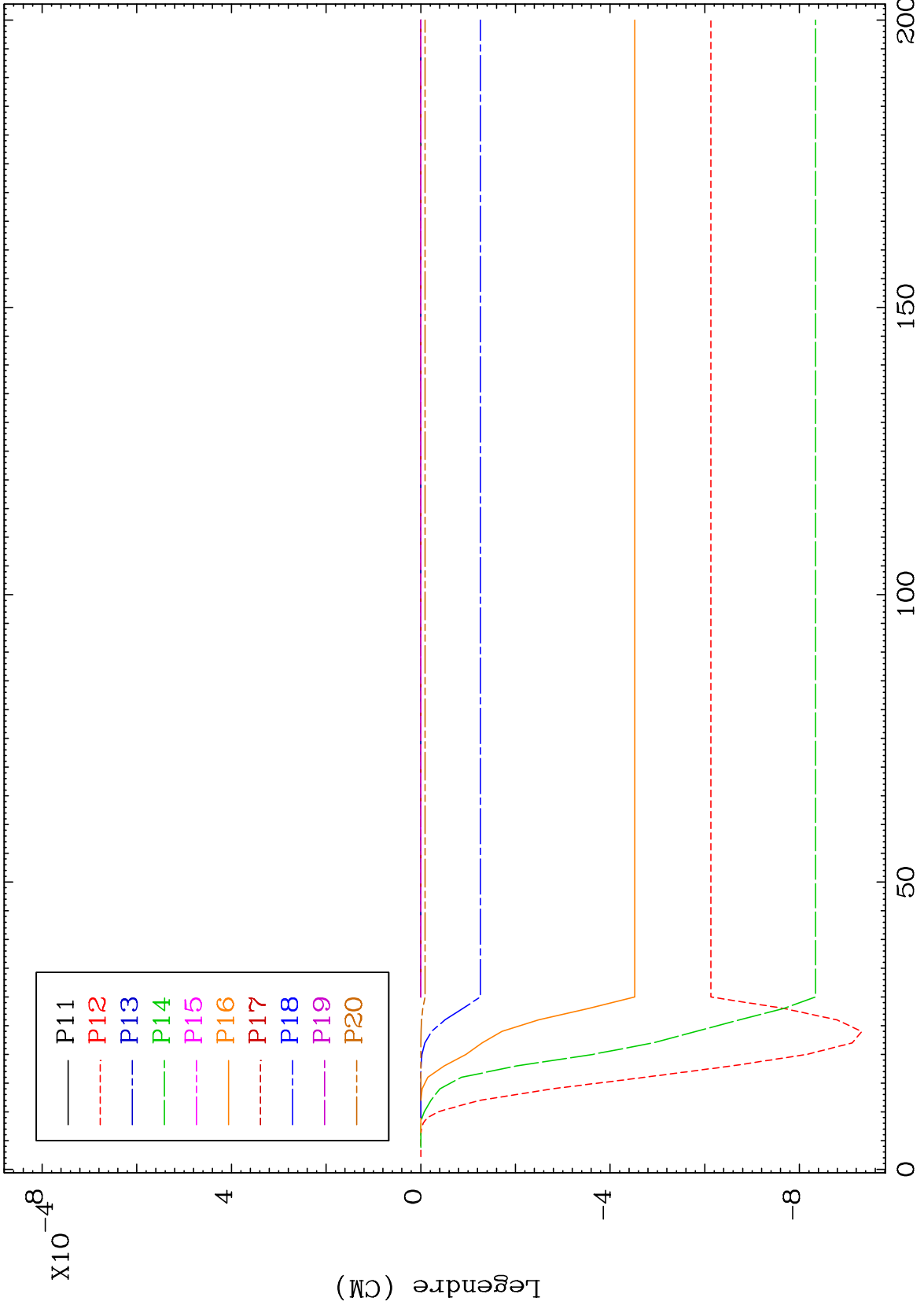
28 56-Ba-133

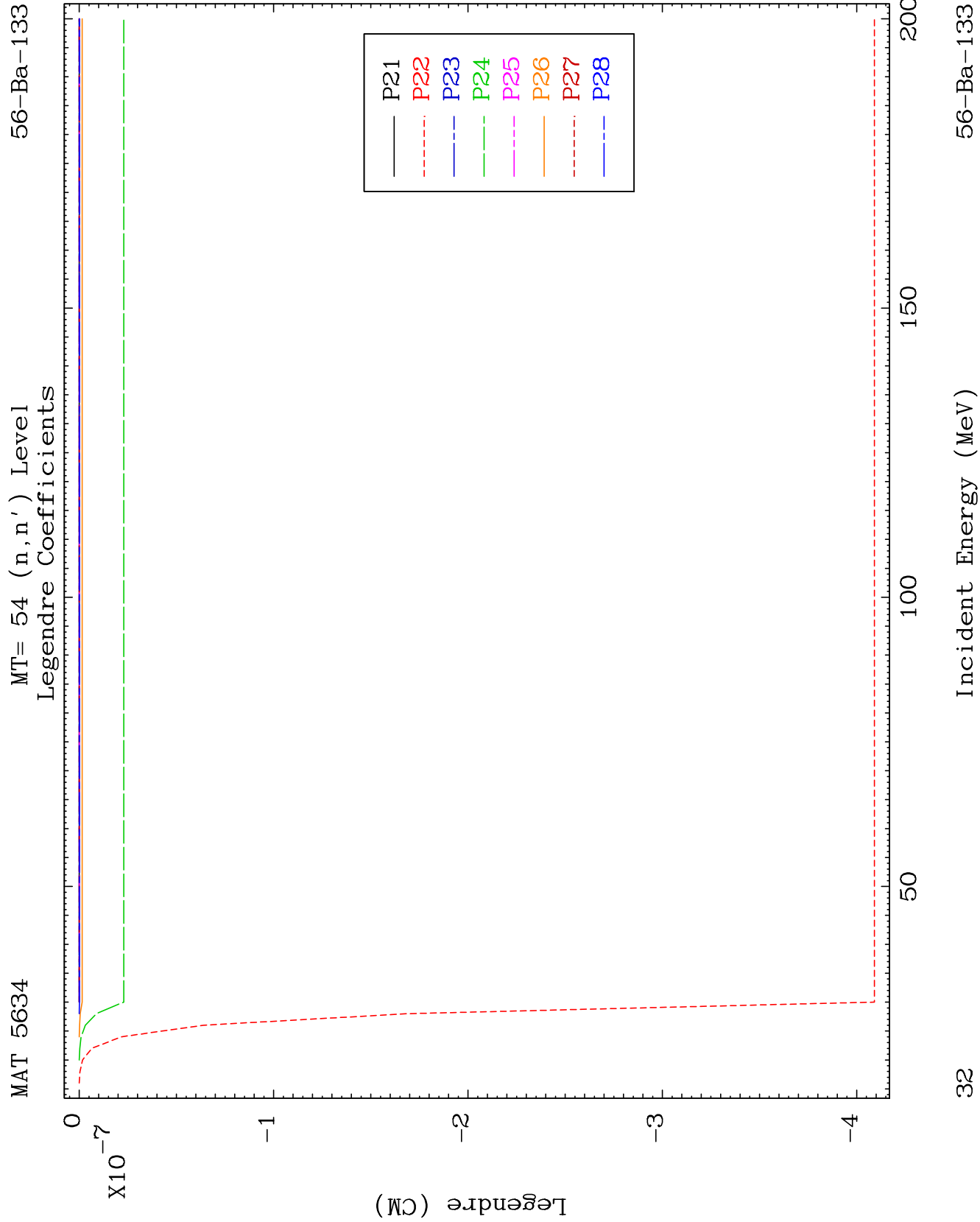
MAT 5634 MT= 53 (n,n') Level Legendre Coefficients 56-Ba-133



29 50 100 150 200 56-Ba-133



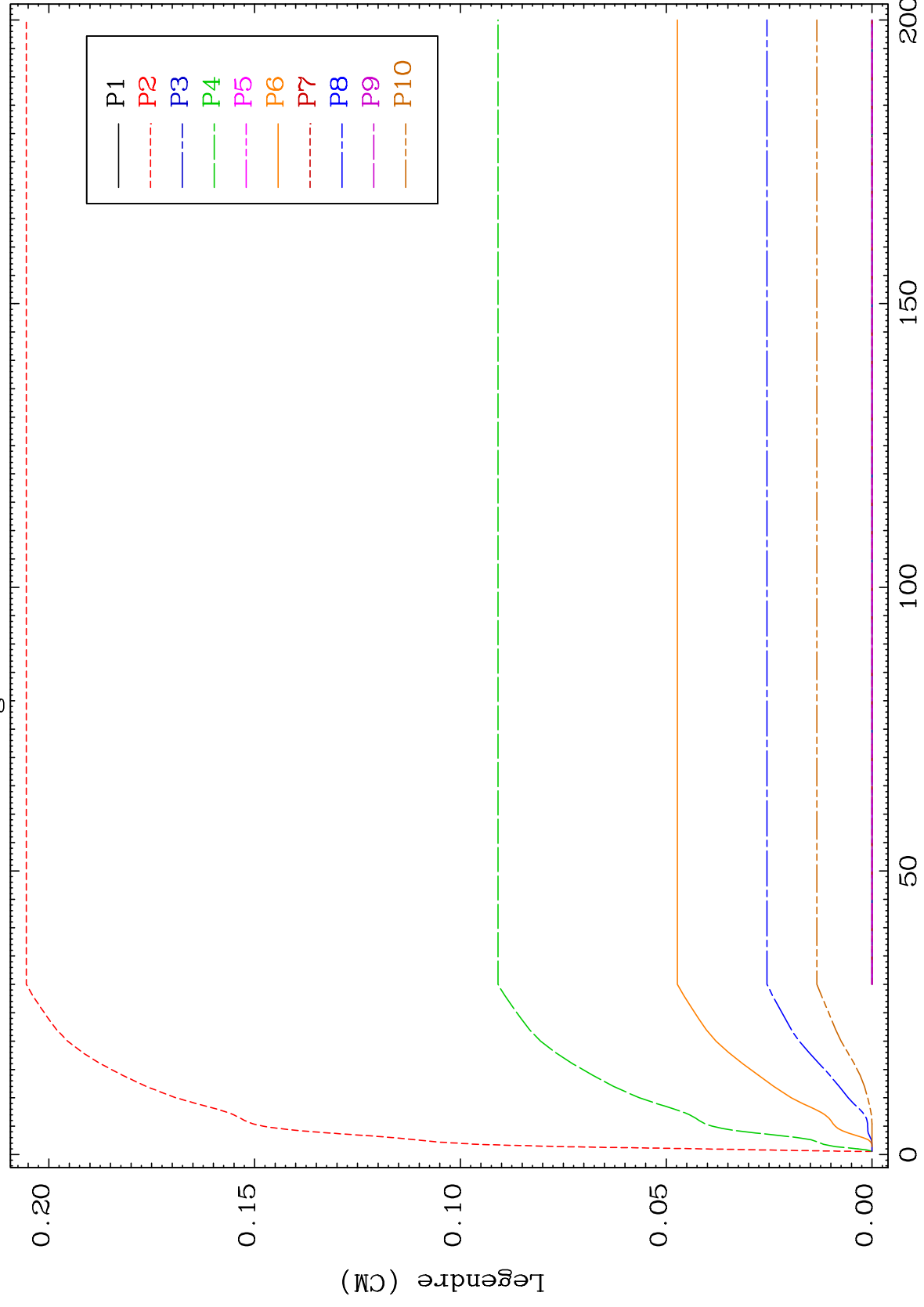




MAT 5634

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

56-Ba-133



33

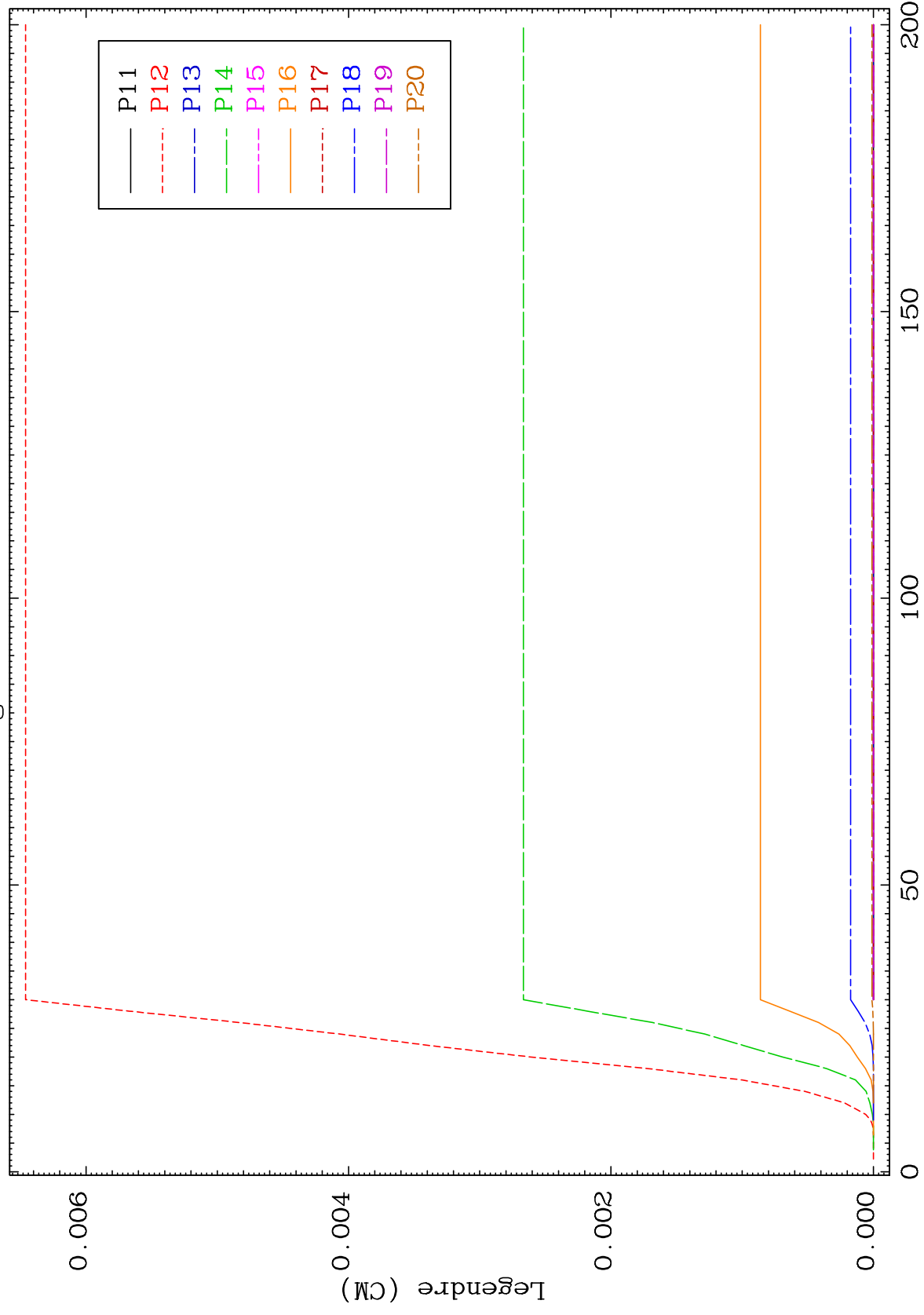
Incident Energy (MeV)

56-Ba-133

MAT 5634

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

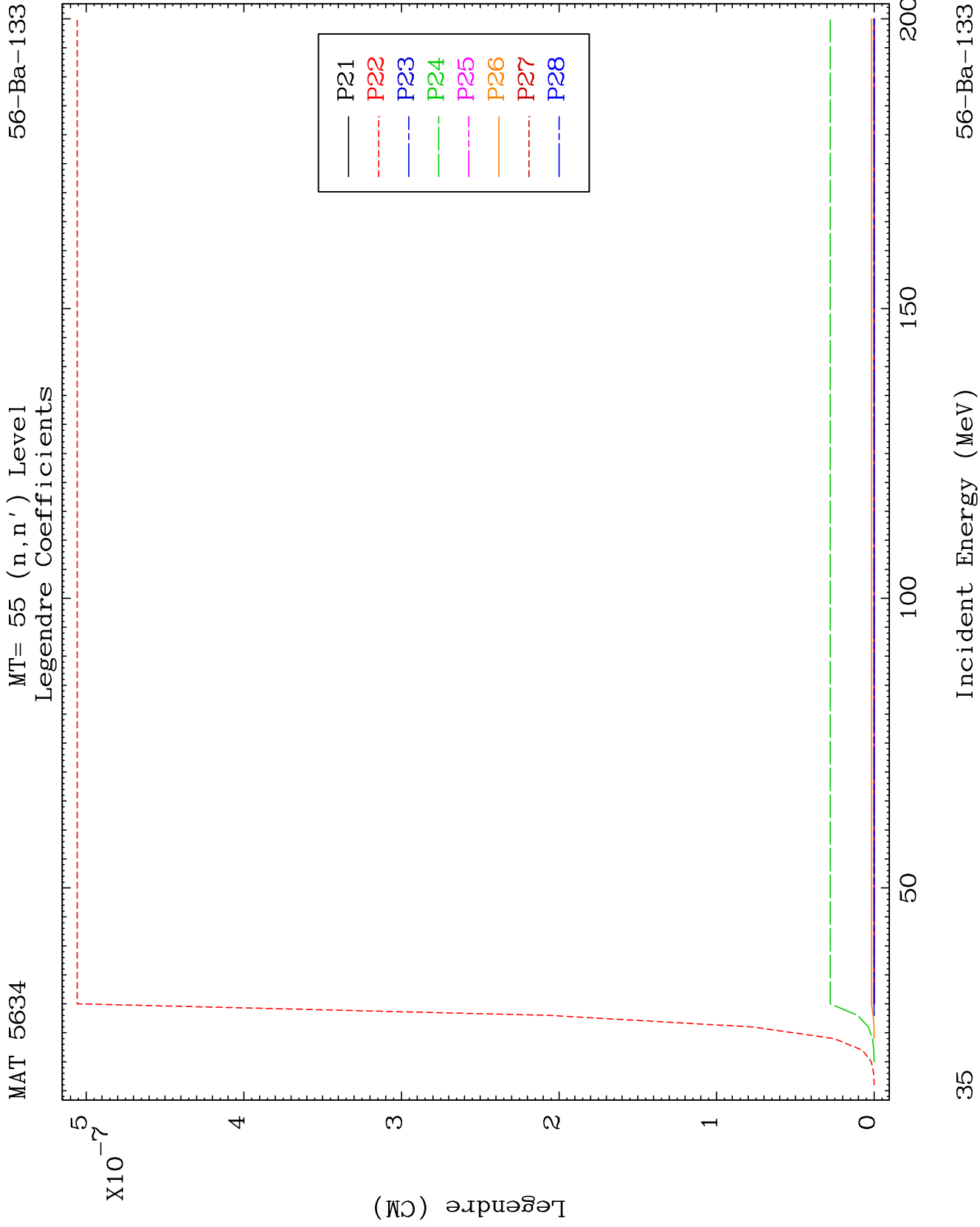
56-Ba-133

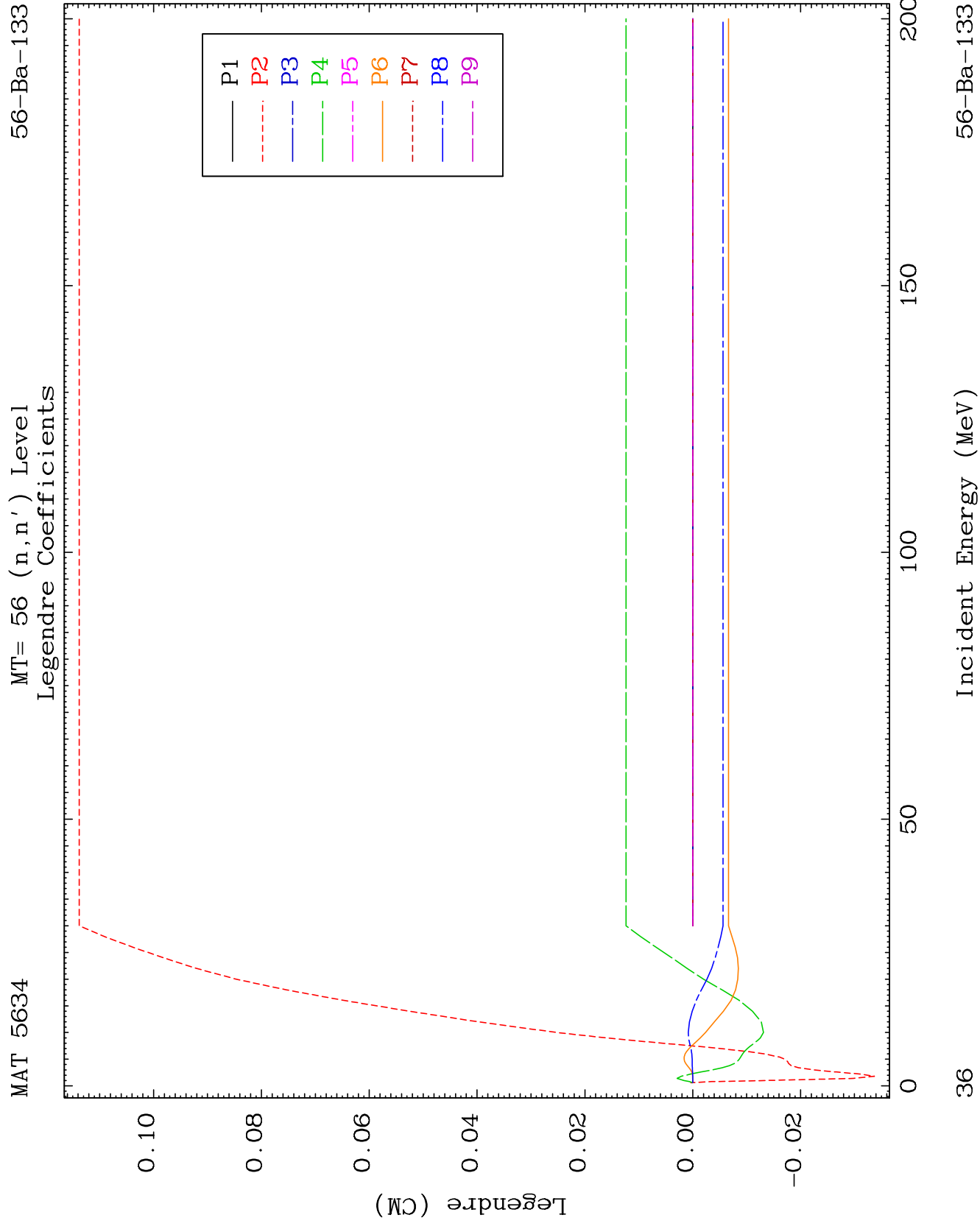


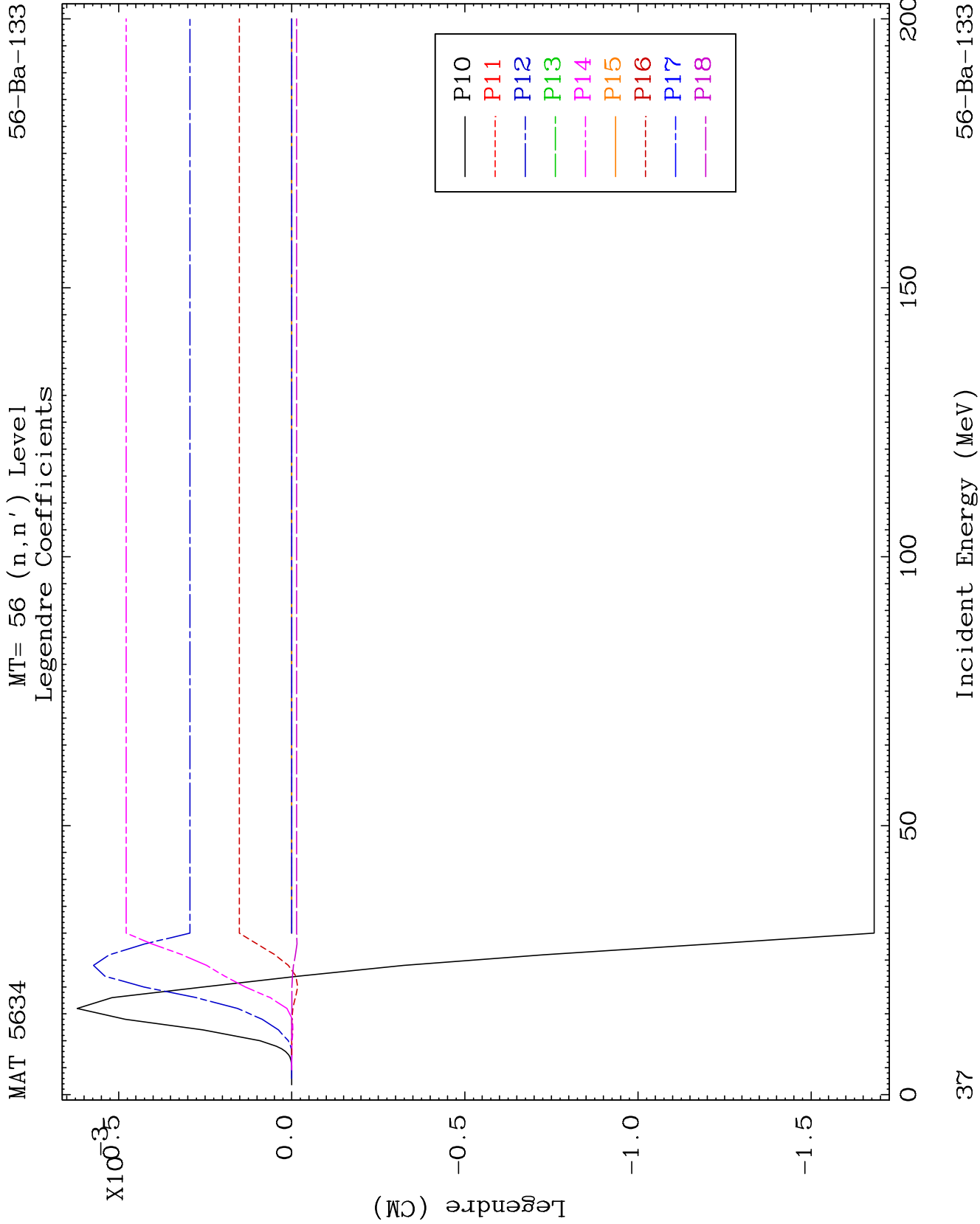
34

Incident Energy (MeV)

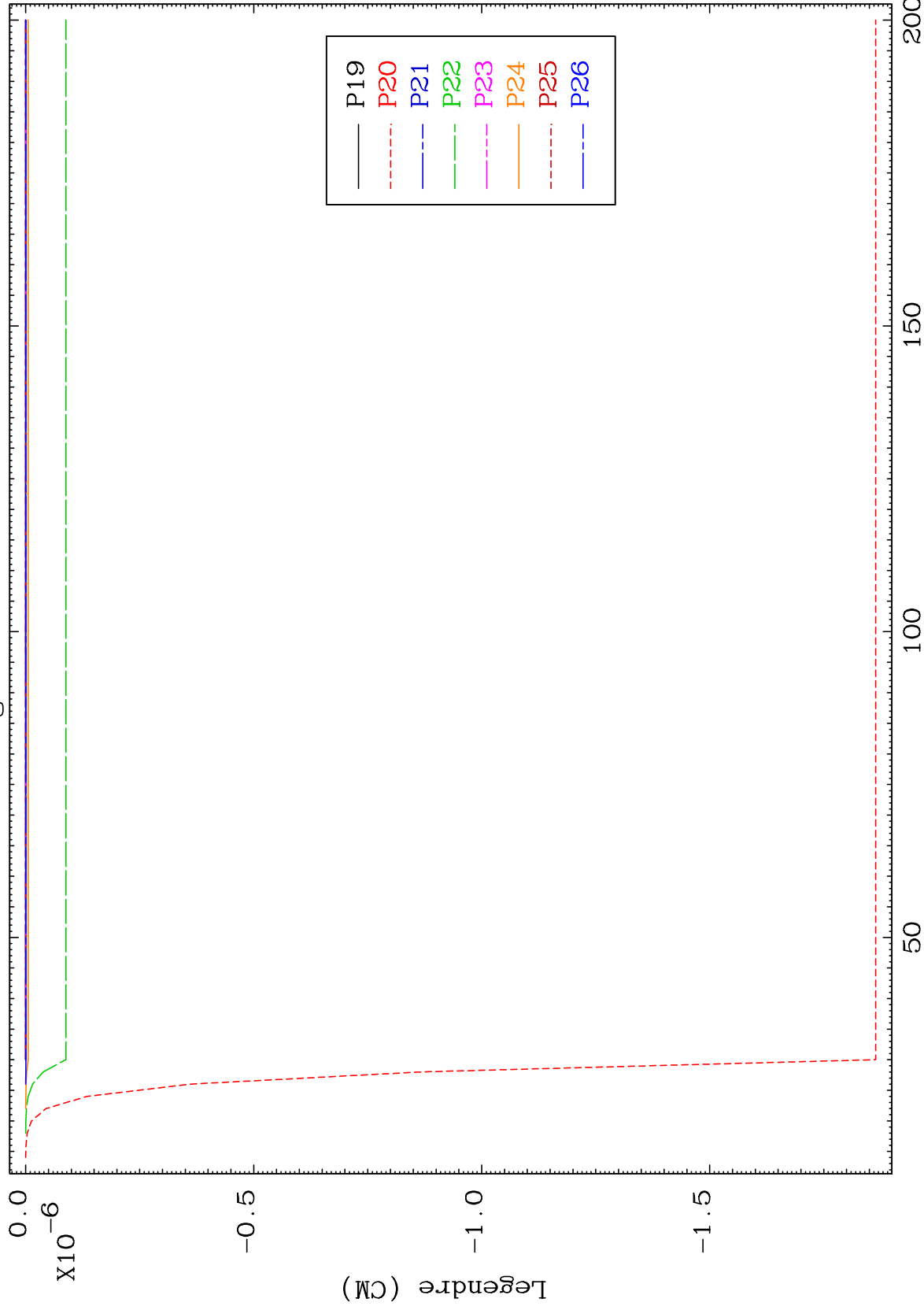
56-Ba-133



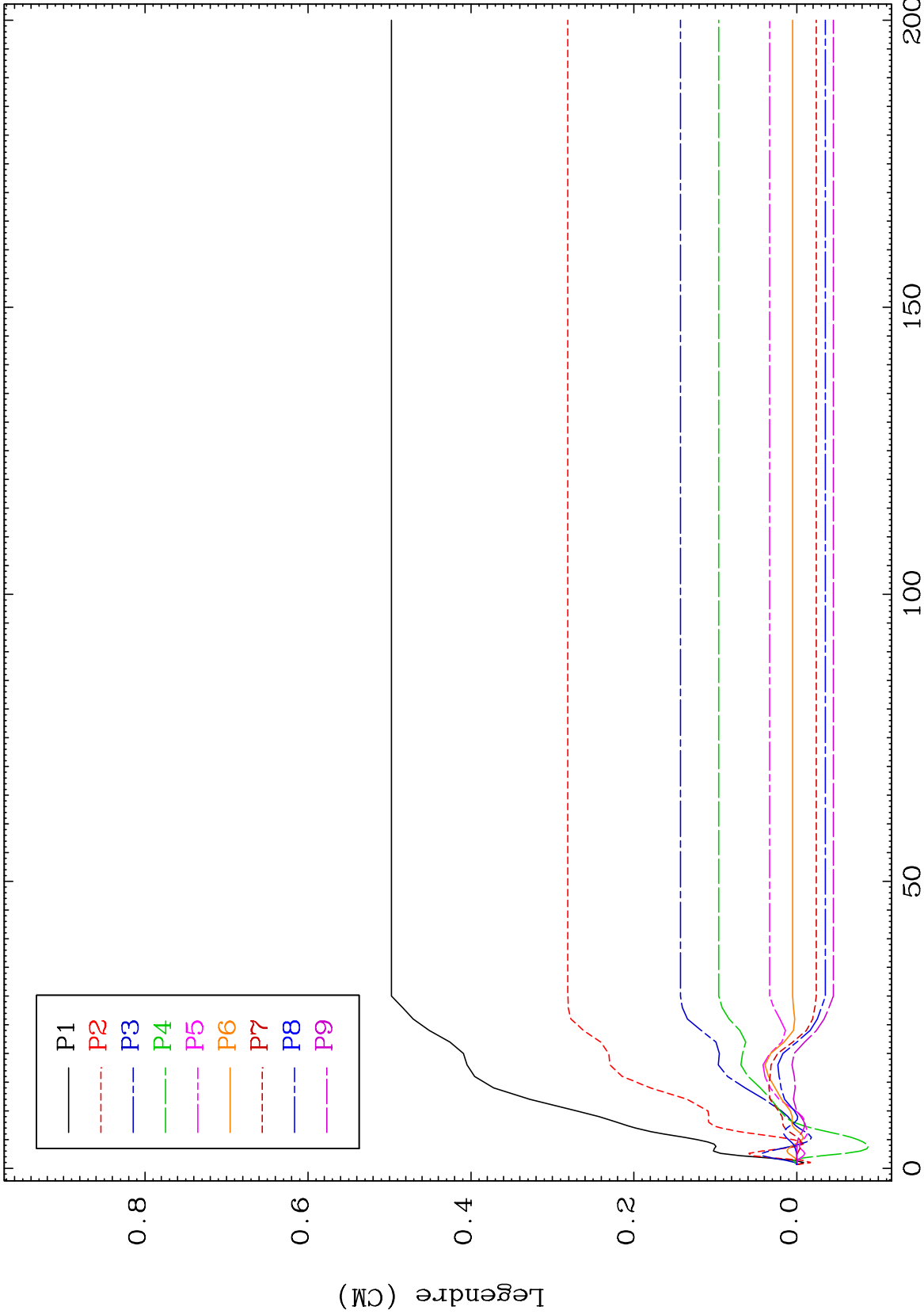


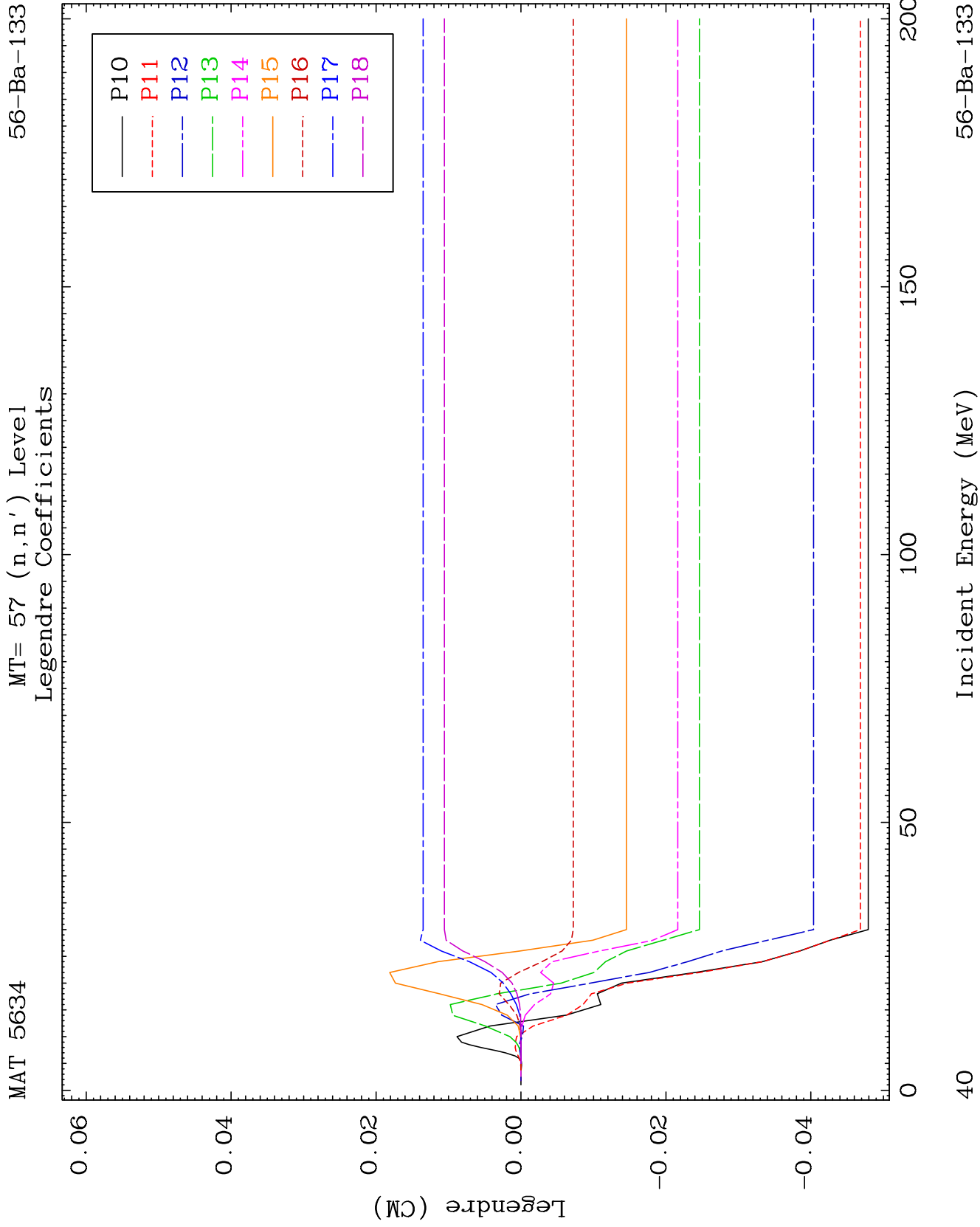


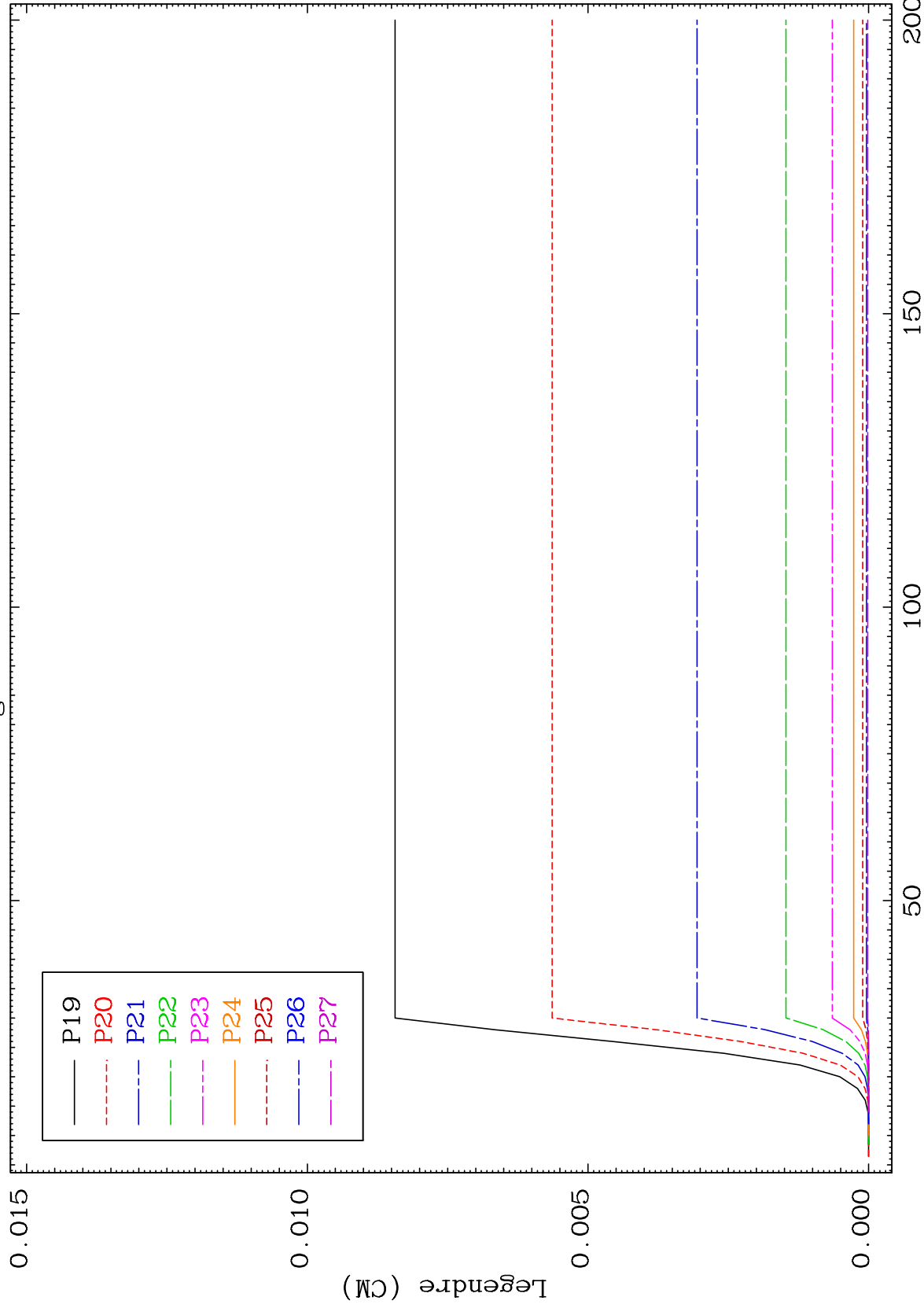
MAT 5634 MT= 56 (n,n') Level Legendre Coefficients 56-Ba-133



38 Incident Energy (MeV) 56-Ba-133



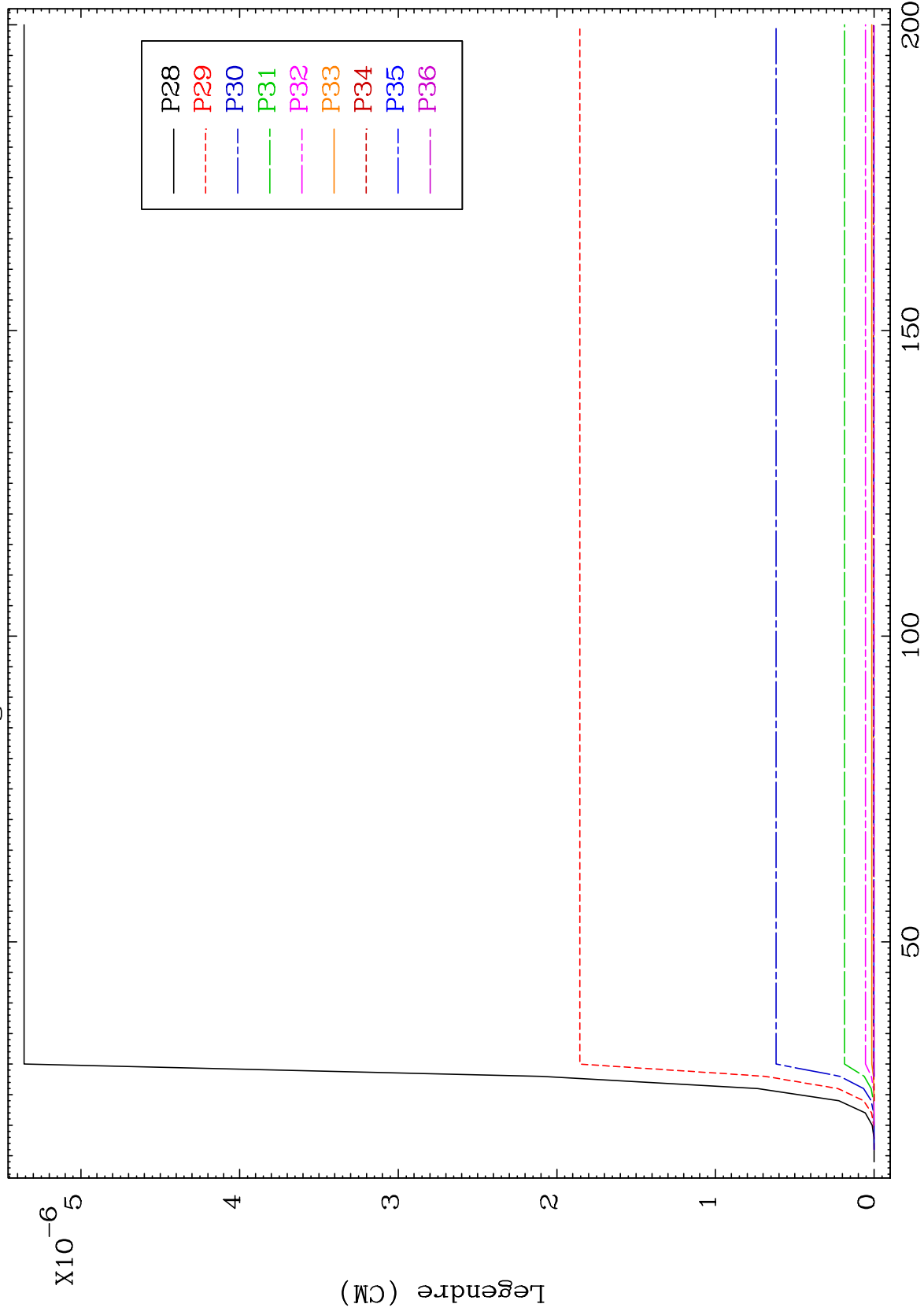




MAT 5634

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

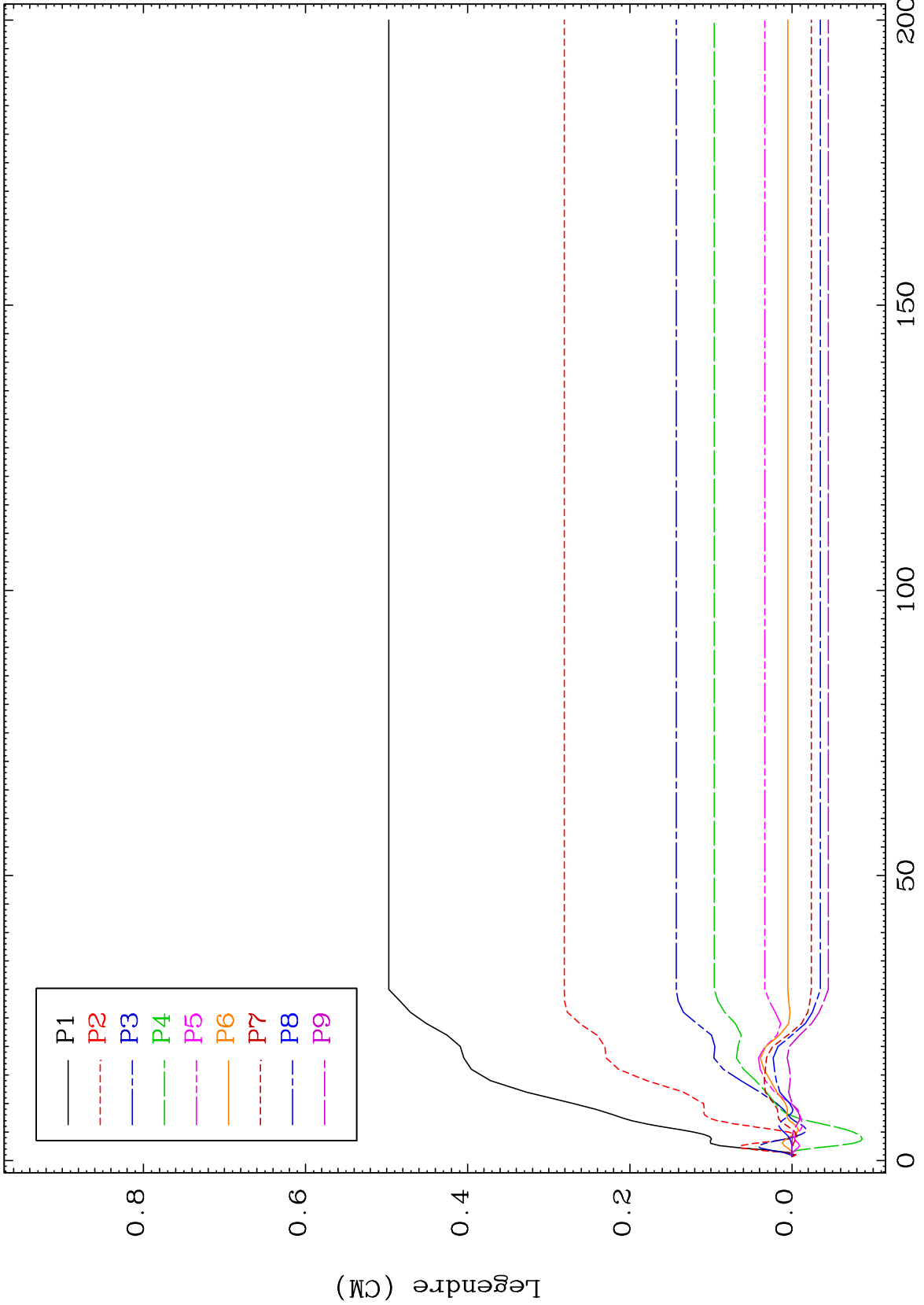
56-Ba-133

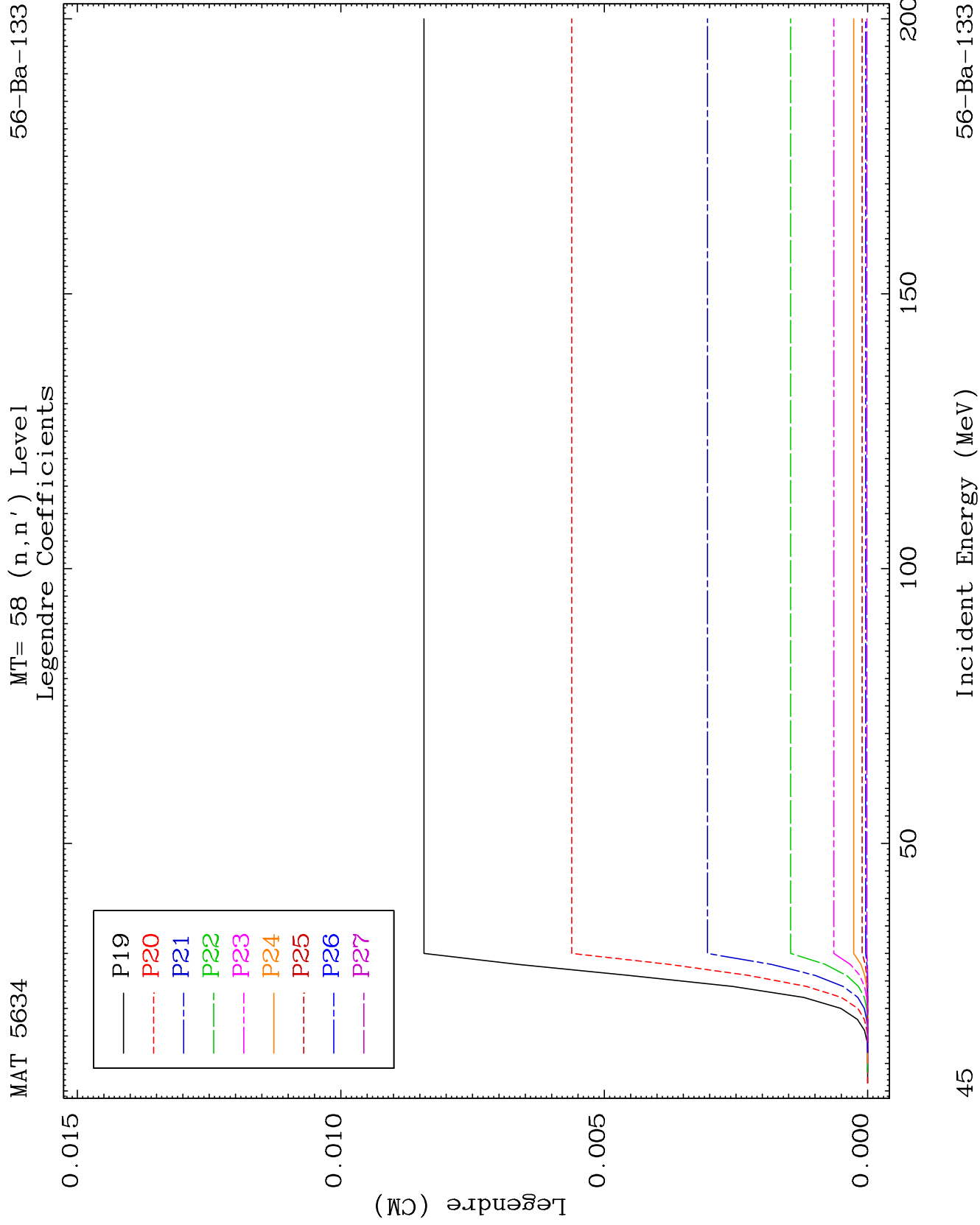


42

Incident Energy (MeV)

56-Ba-133

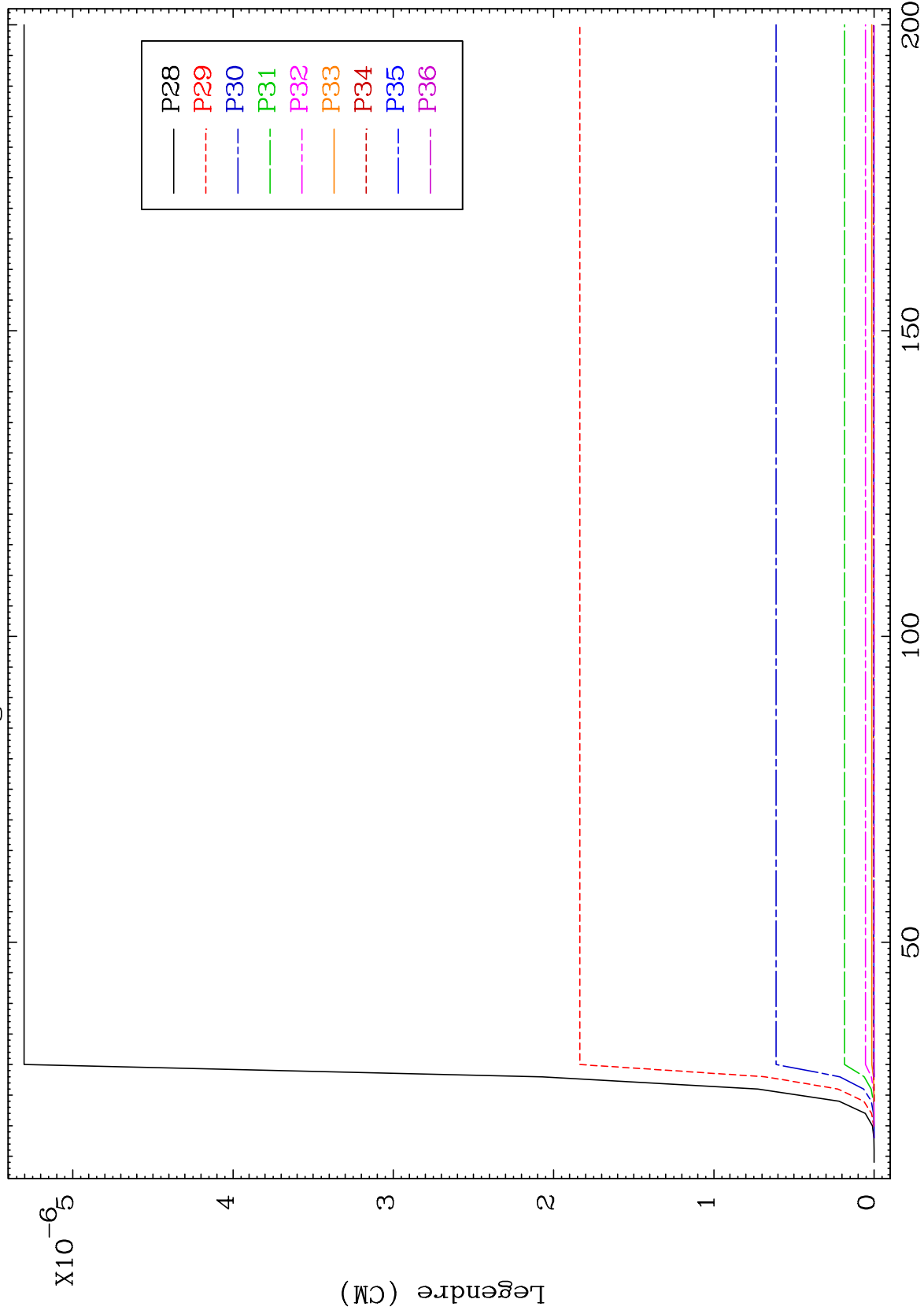




MAT 5634

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

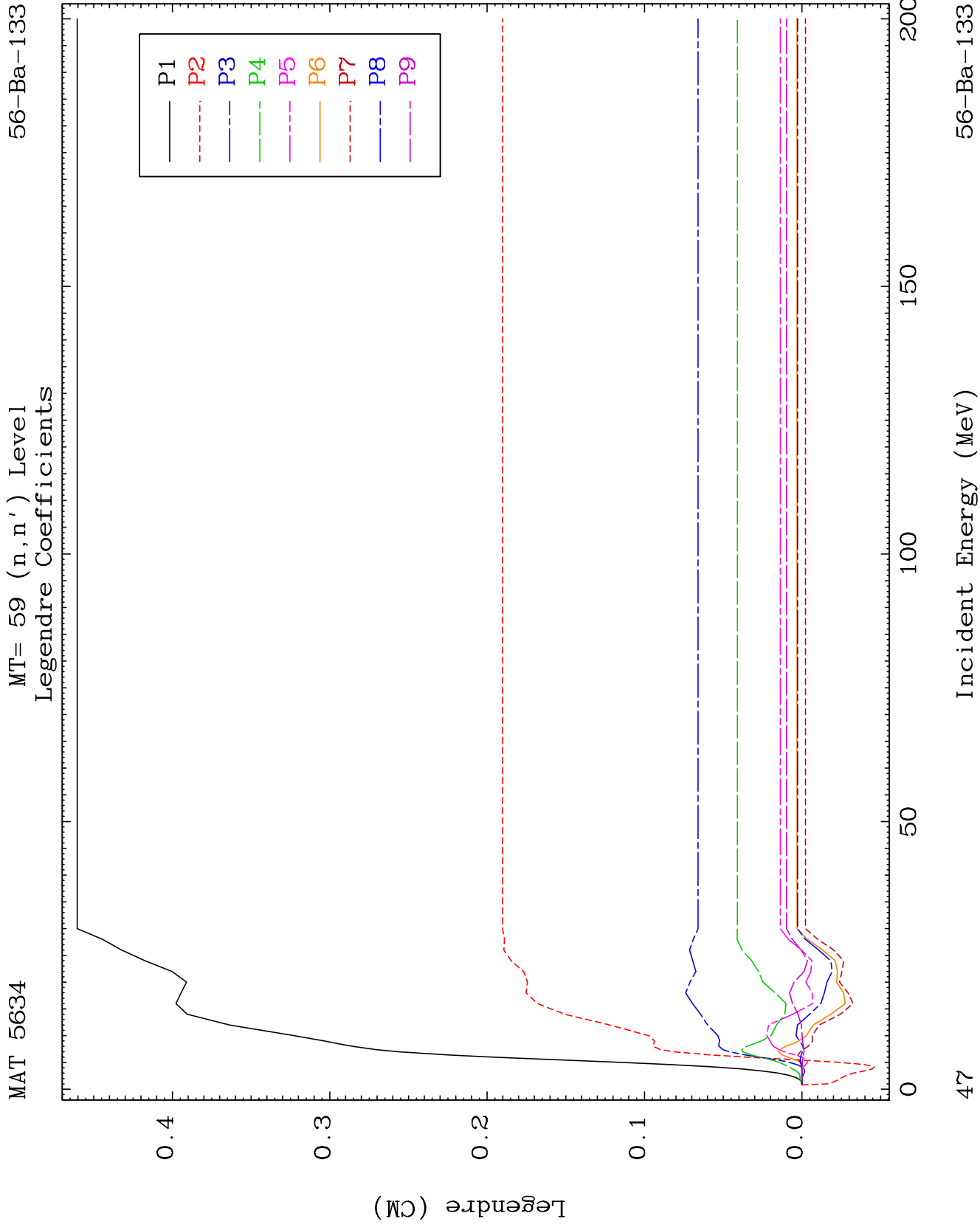
56-Ba-133



46

Incident Energy (MeV)

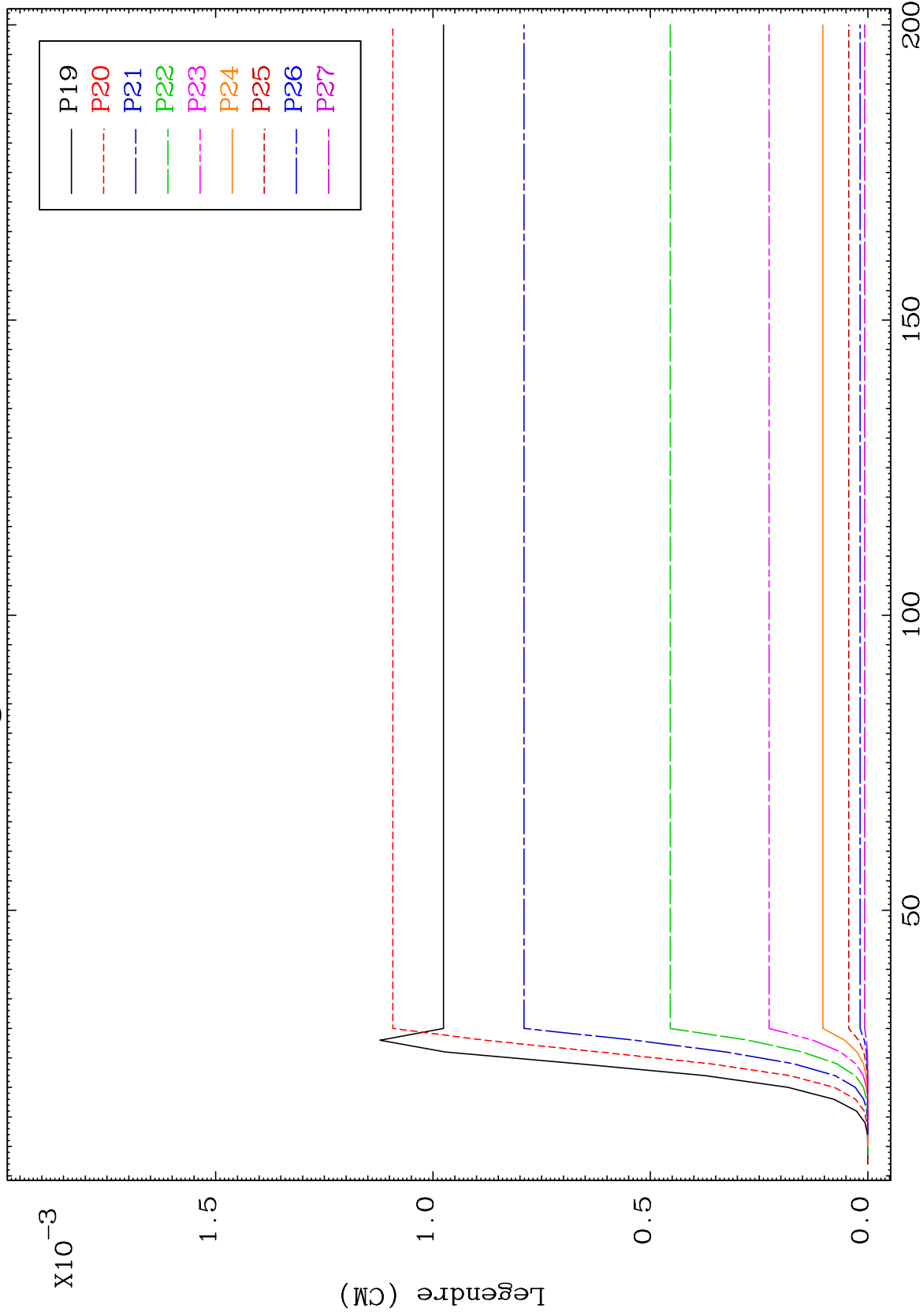
56-Ba-133



MAT 5634

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

56-Ba-133



49

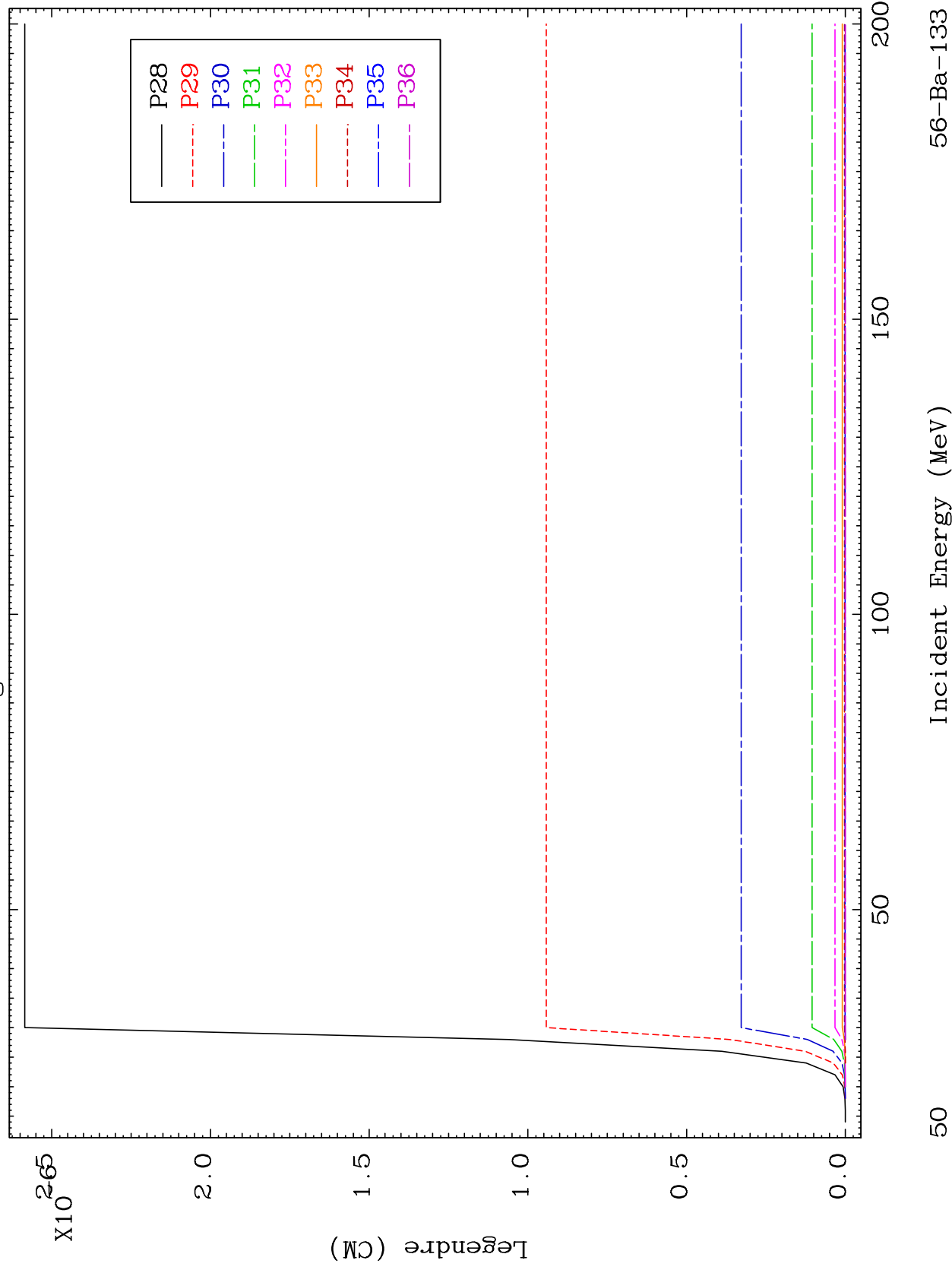
Incident Energy (MeV)

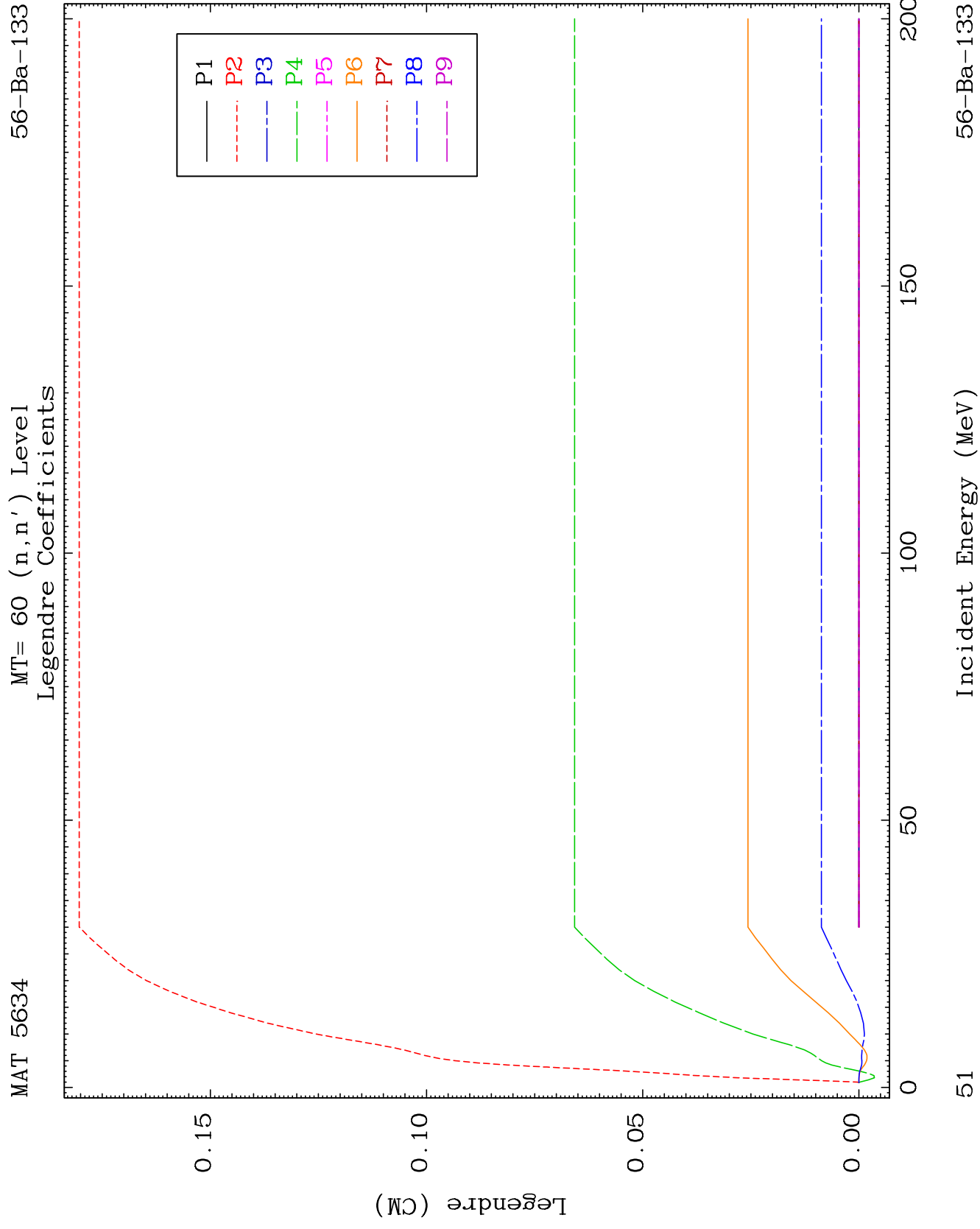
56-Ba-133

MAT 5634

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

56-Ba-133

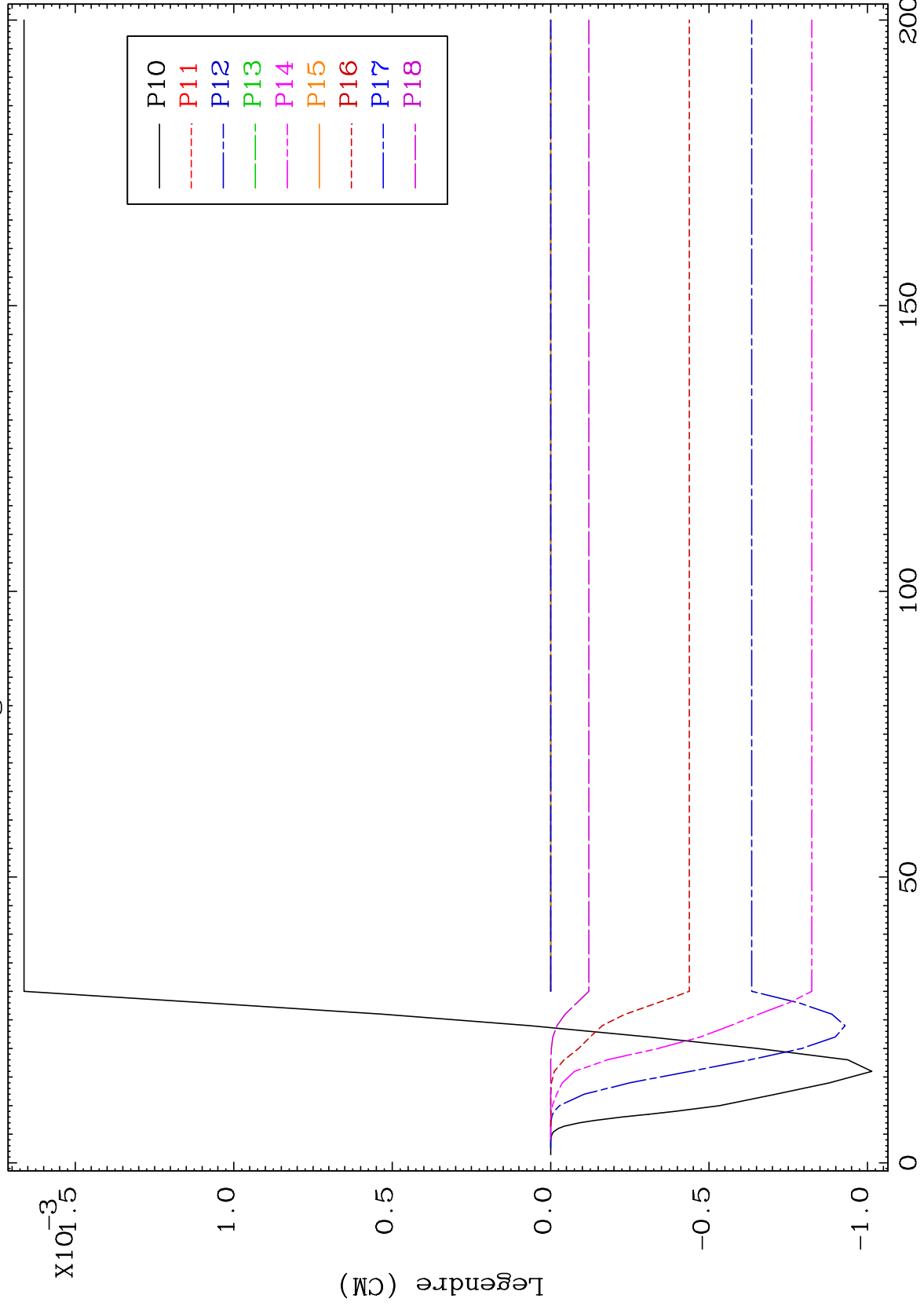




MAT 5634

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

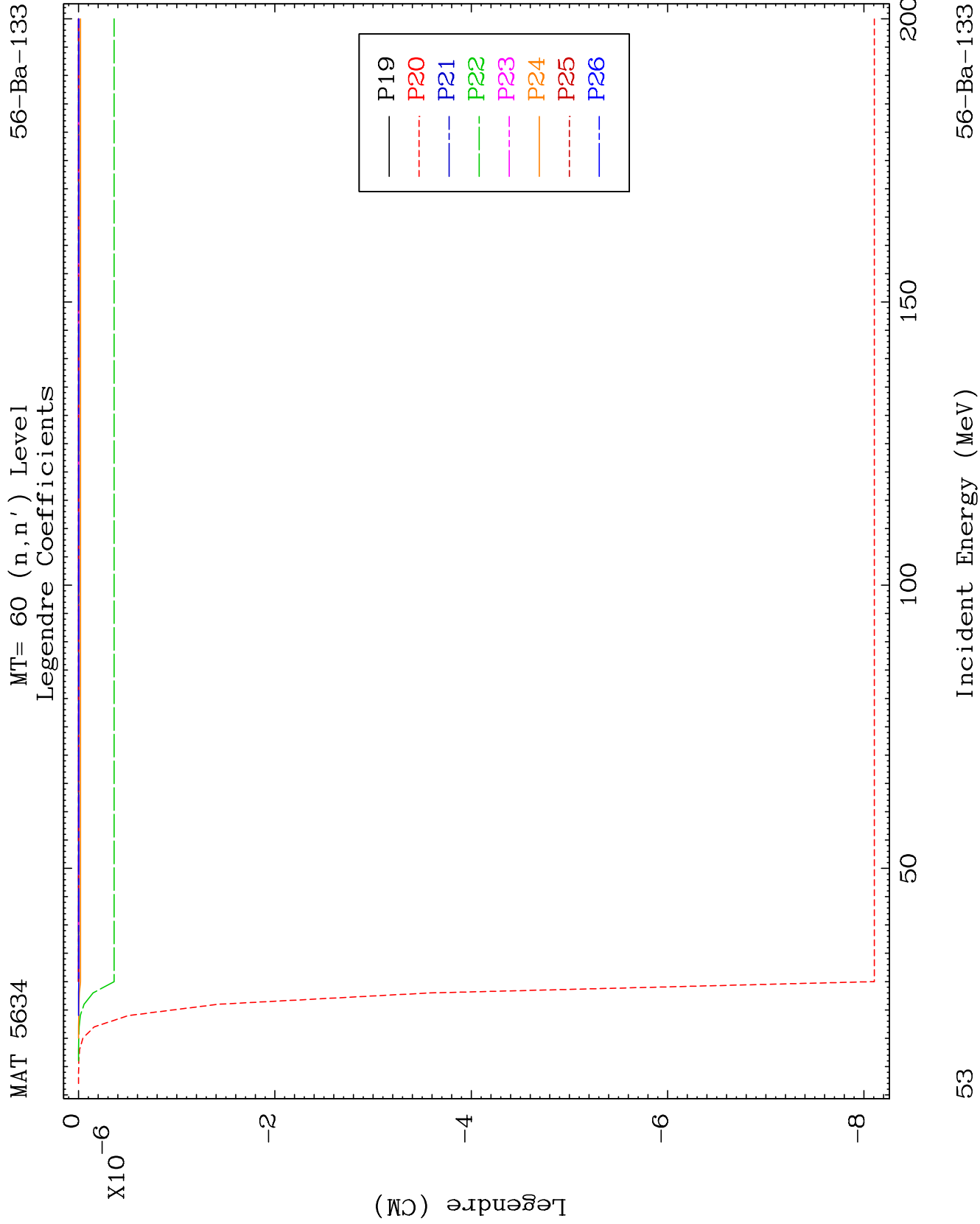
56-Ba-133



52

Incident Energy (MeV)

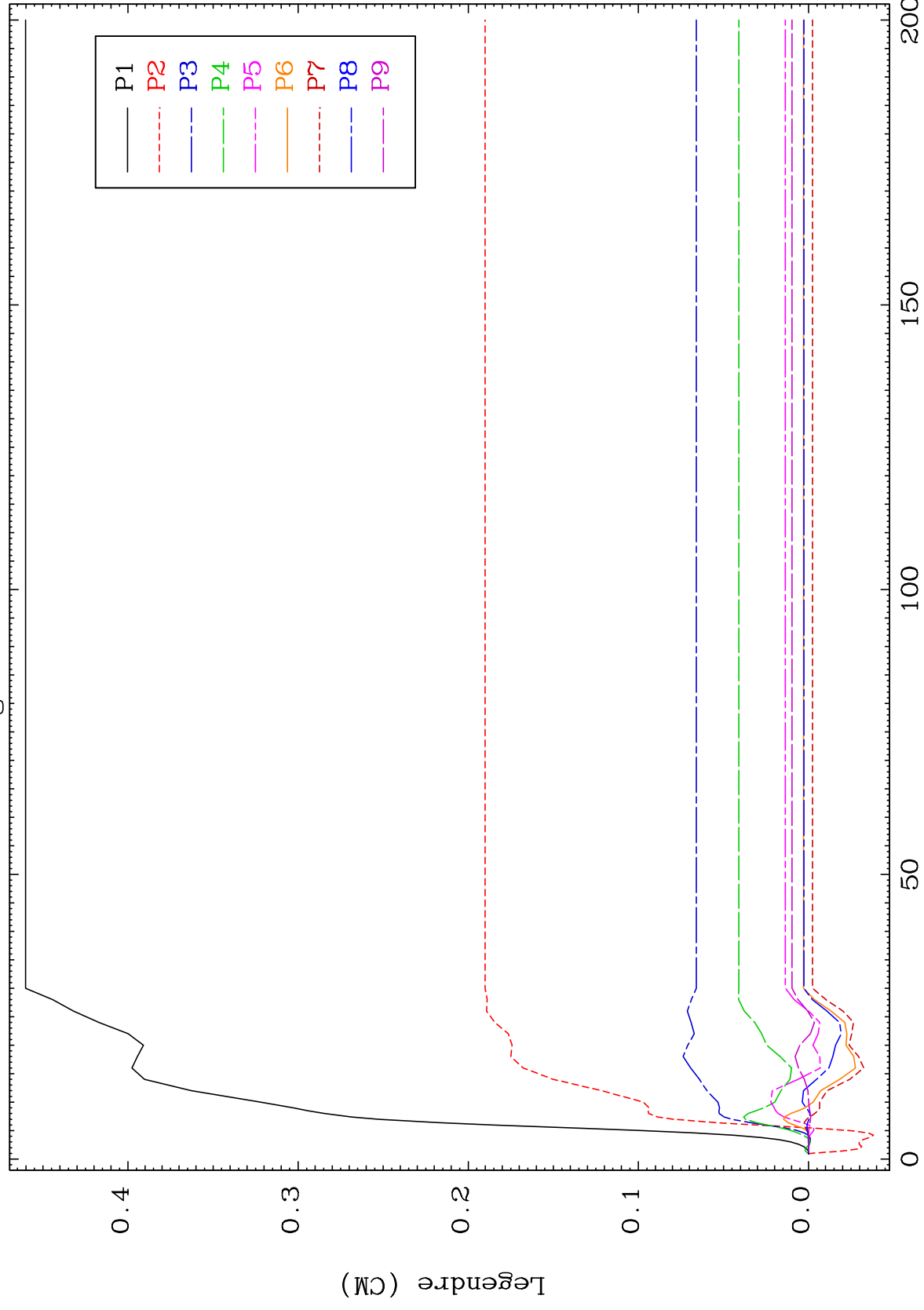
56-Ba-133



MAT 5634

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

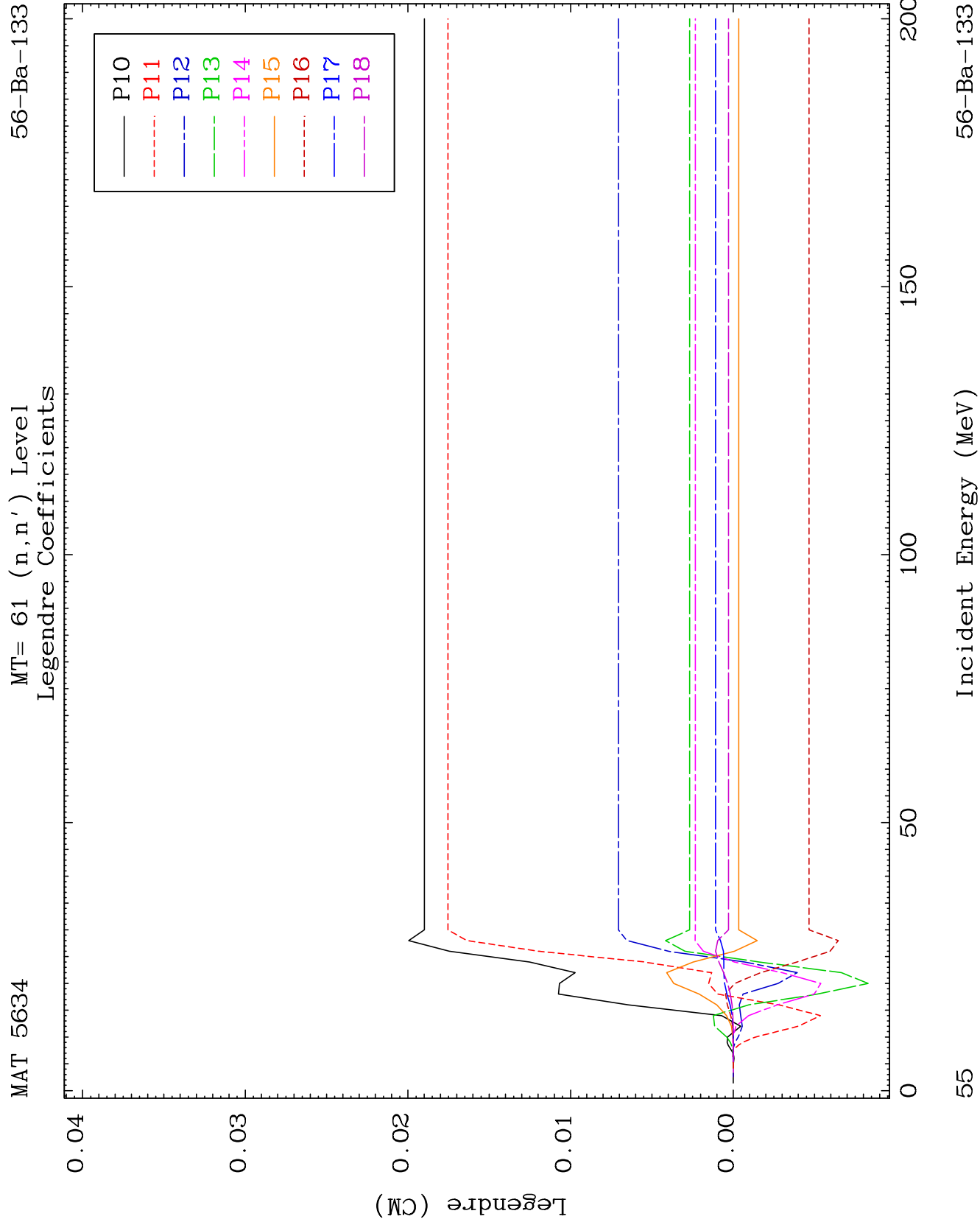
56-Ba-133



54

Incident Energy (MeV)

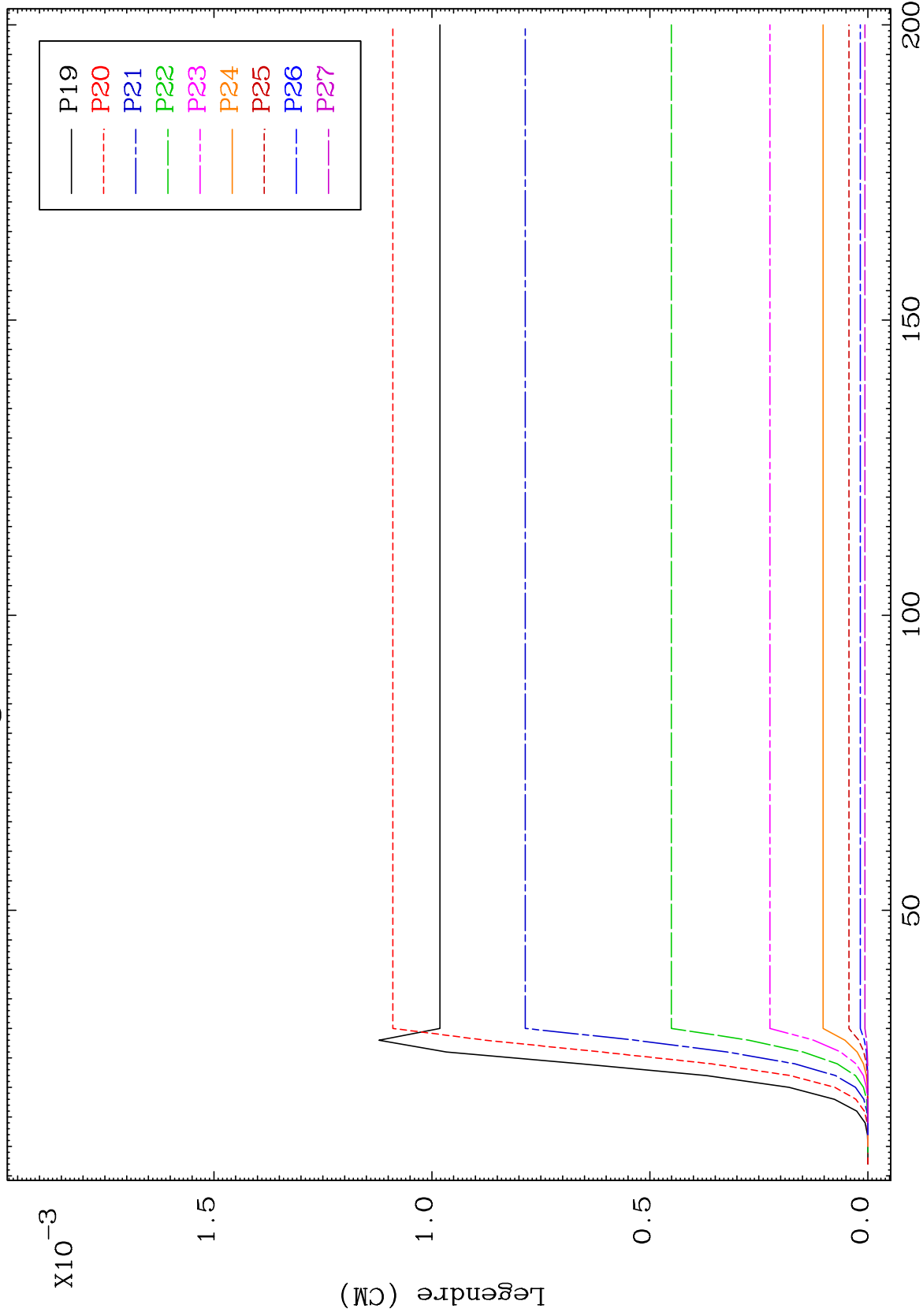
56-Ba-133

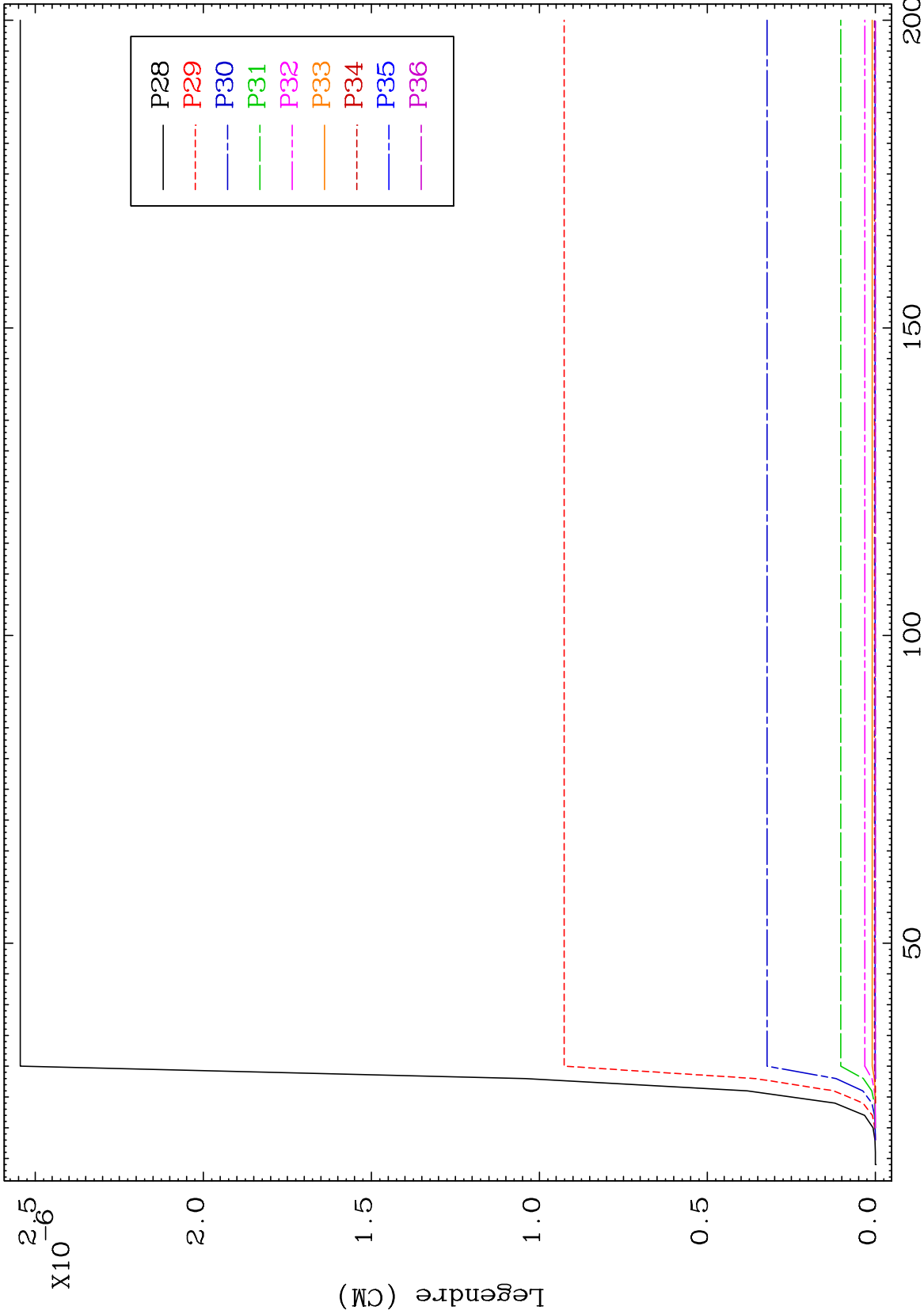


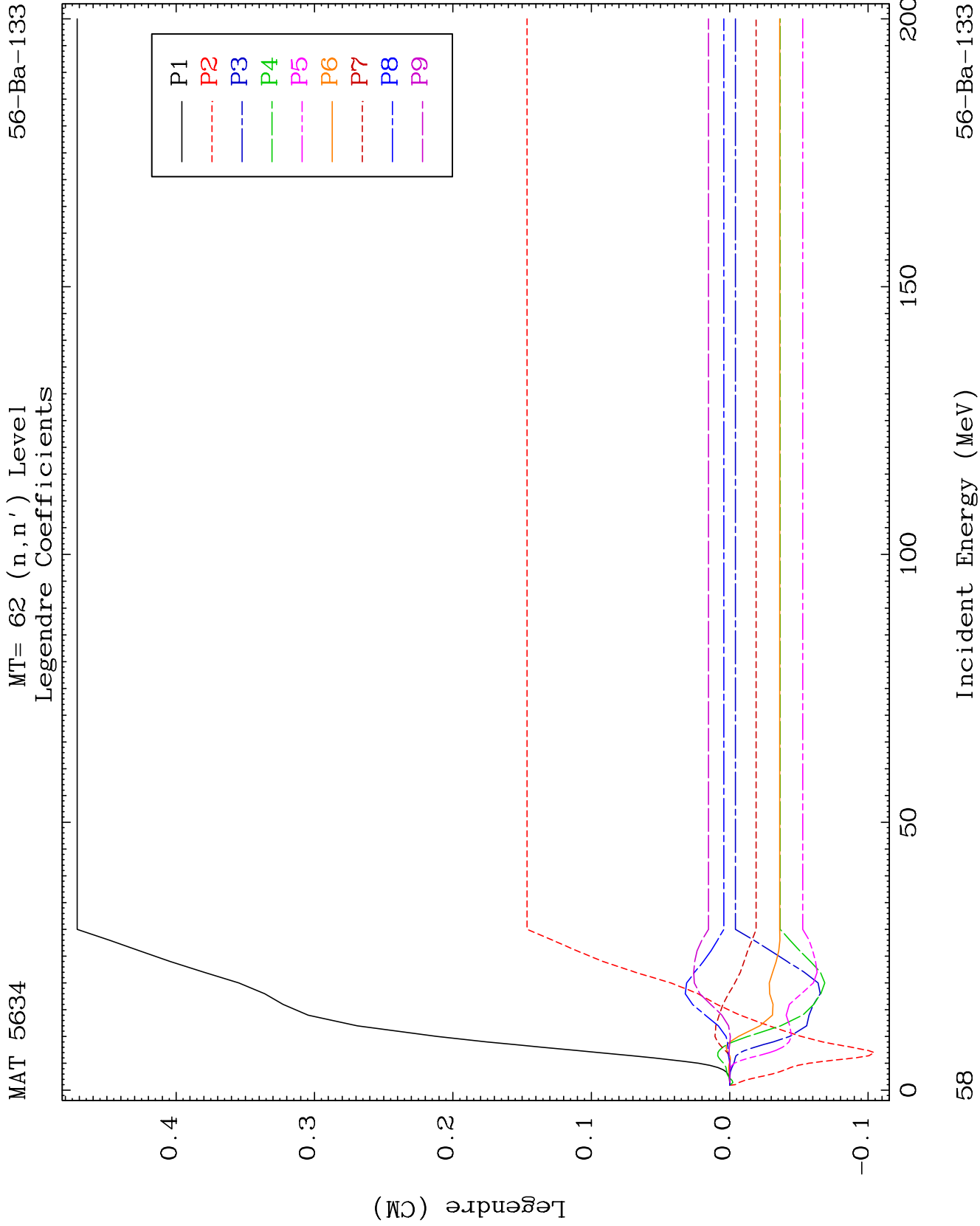
MAT 5634

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

56-Ba-133



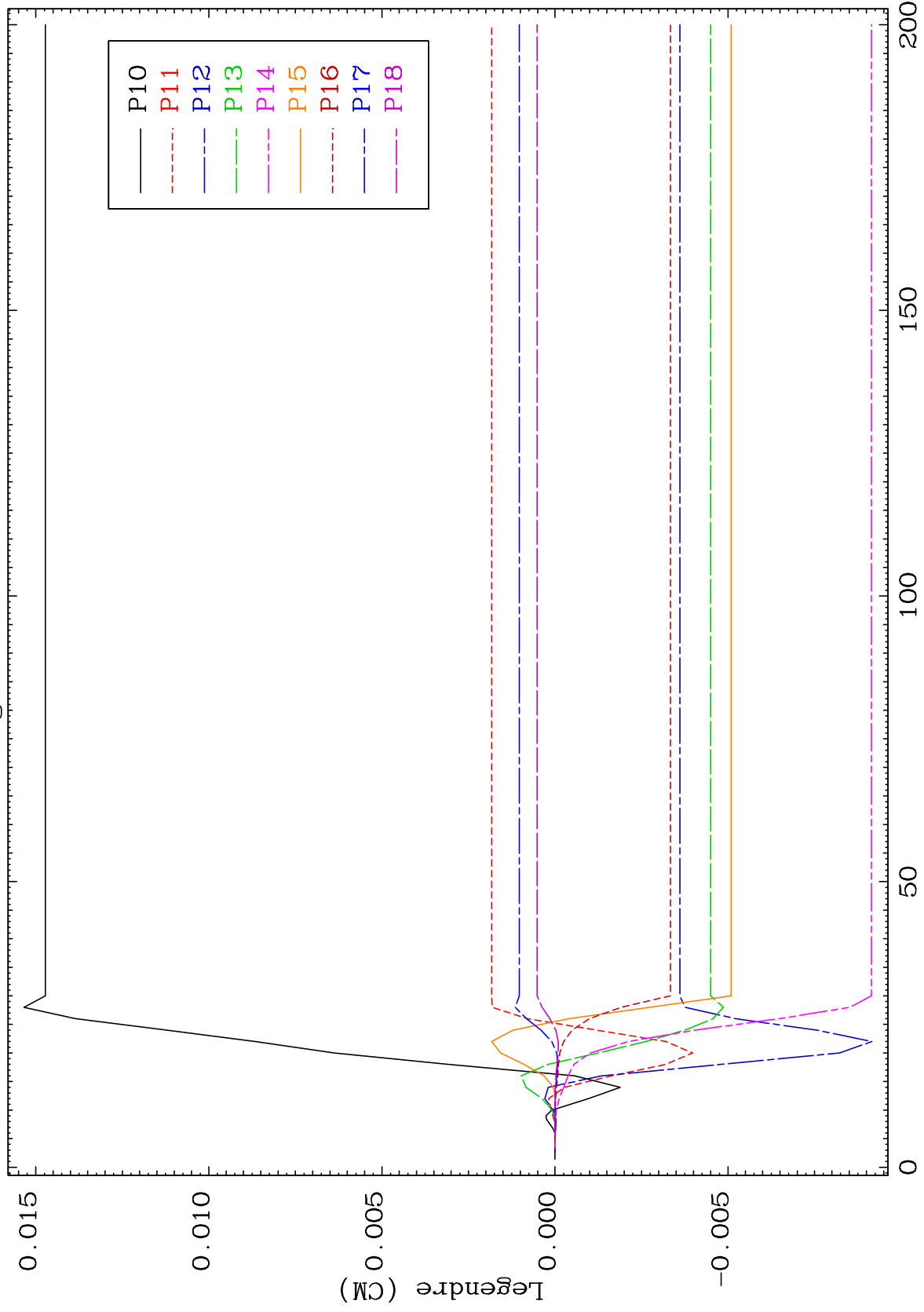




MAT 5634

MT= 62 (n,n') Level
Legendre Coefficients

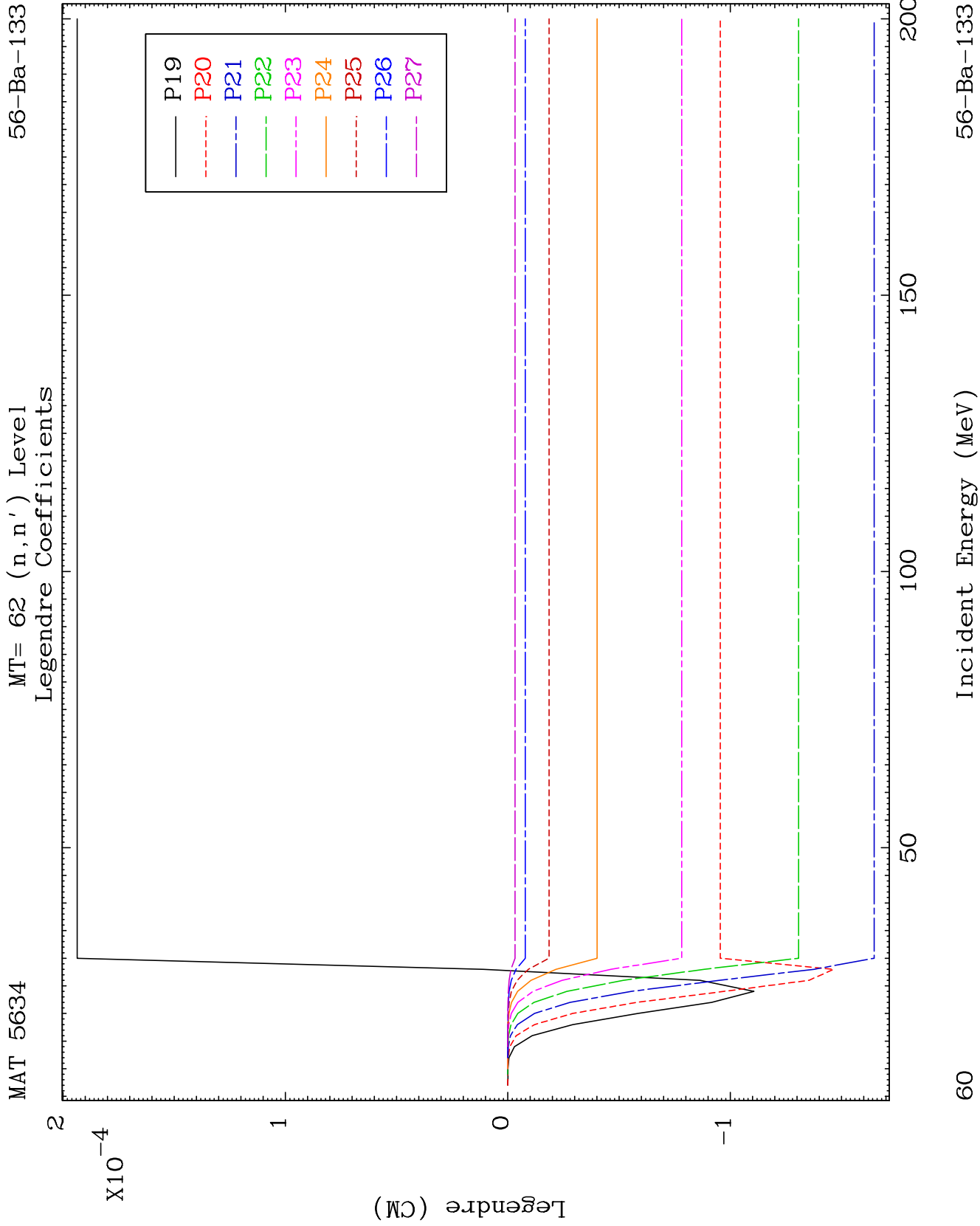
56-Ba-133

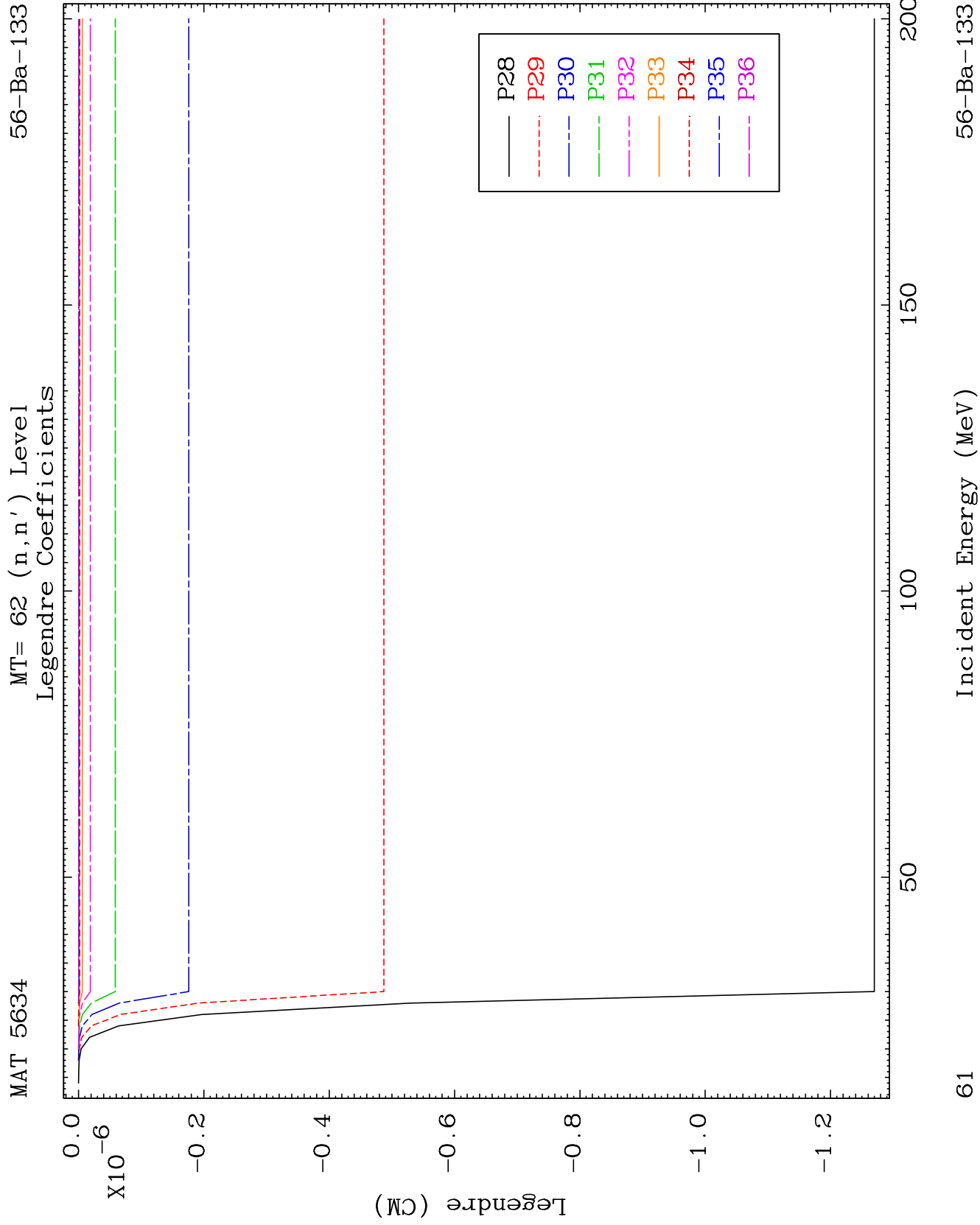


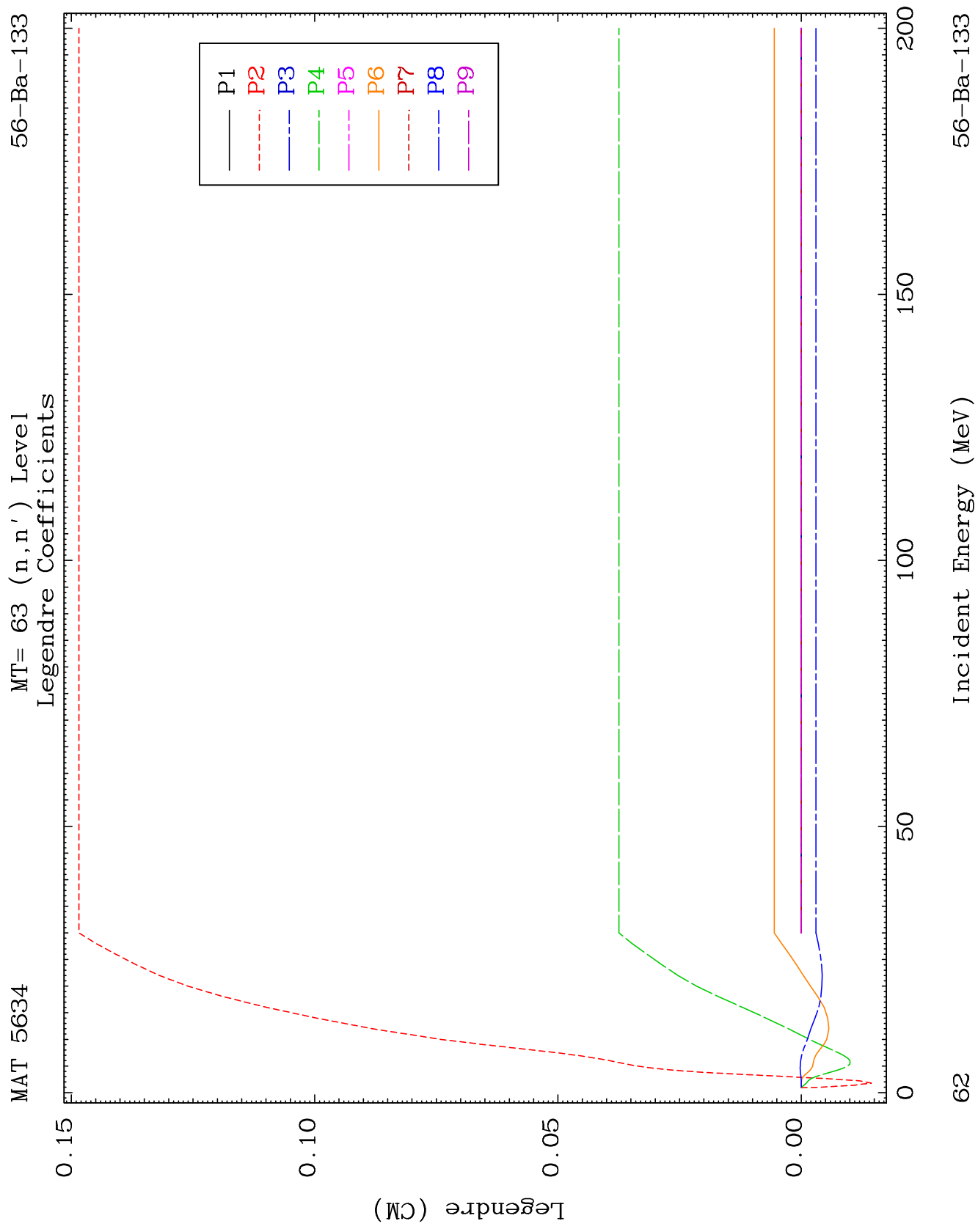
59

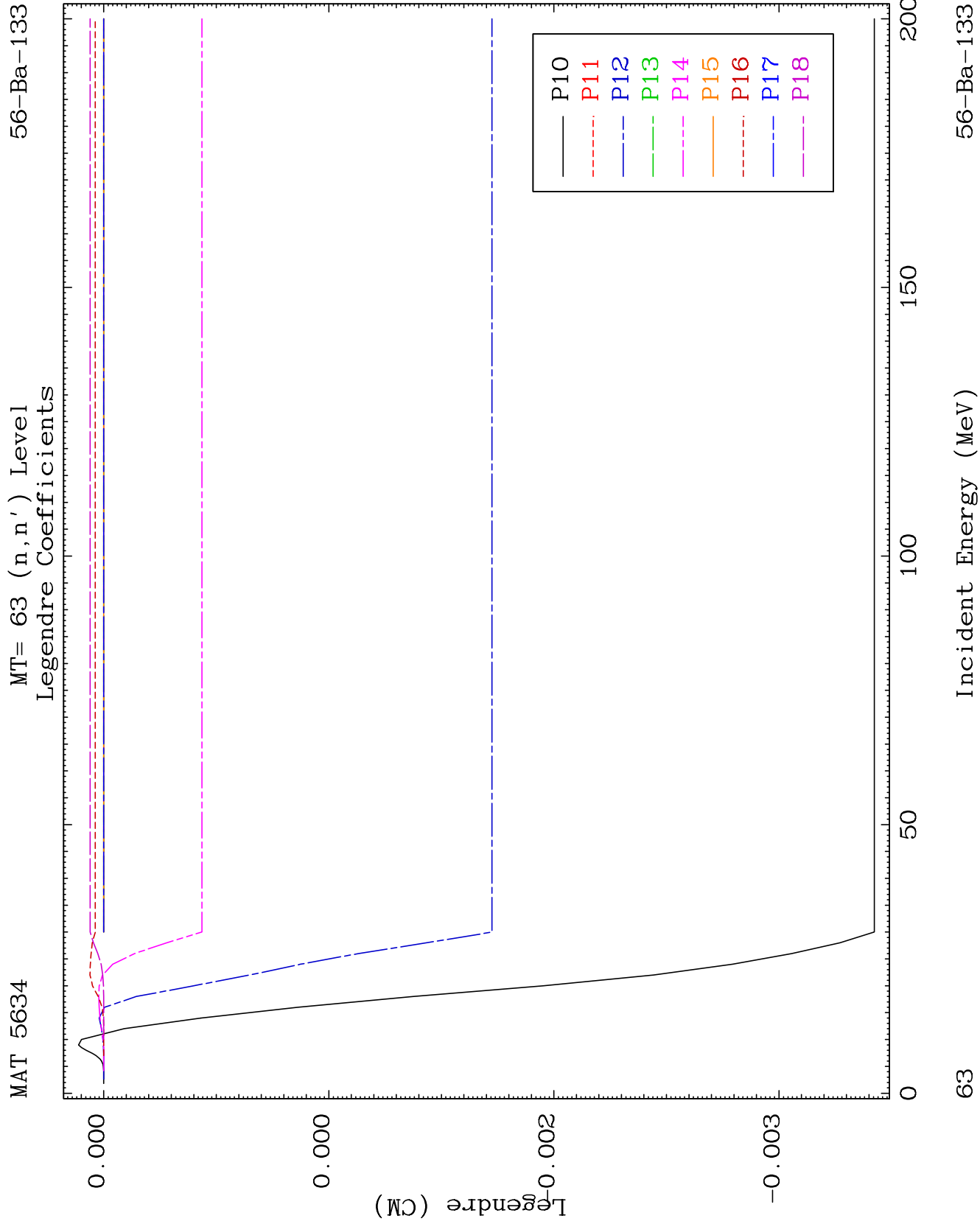
Incident Energy (MeV)

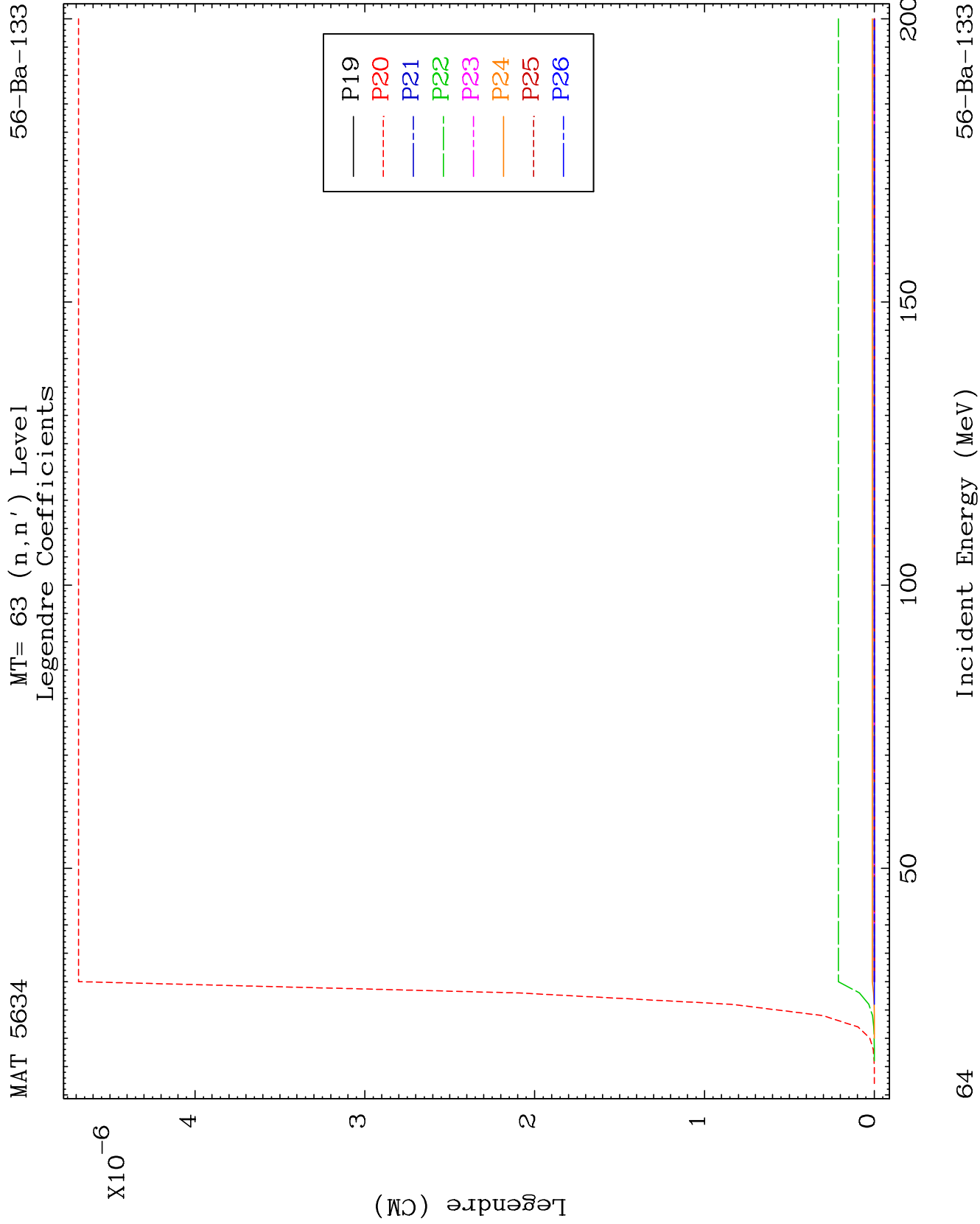
56-Ba-133

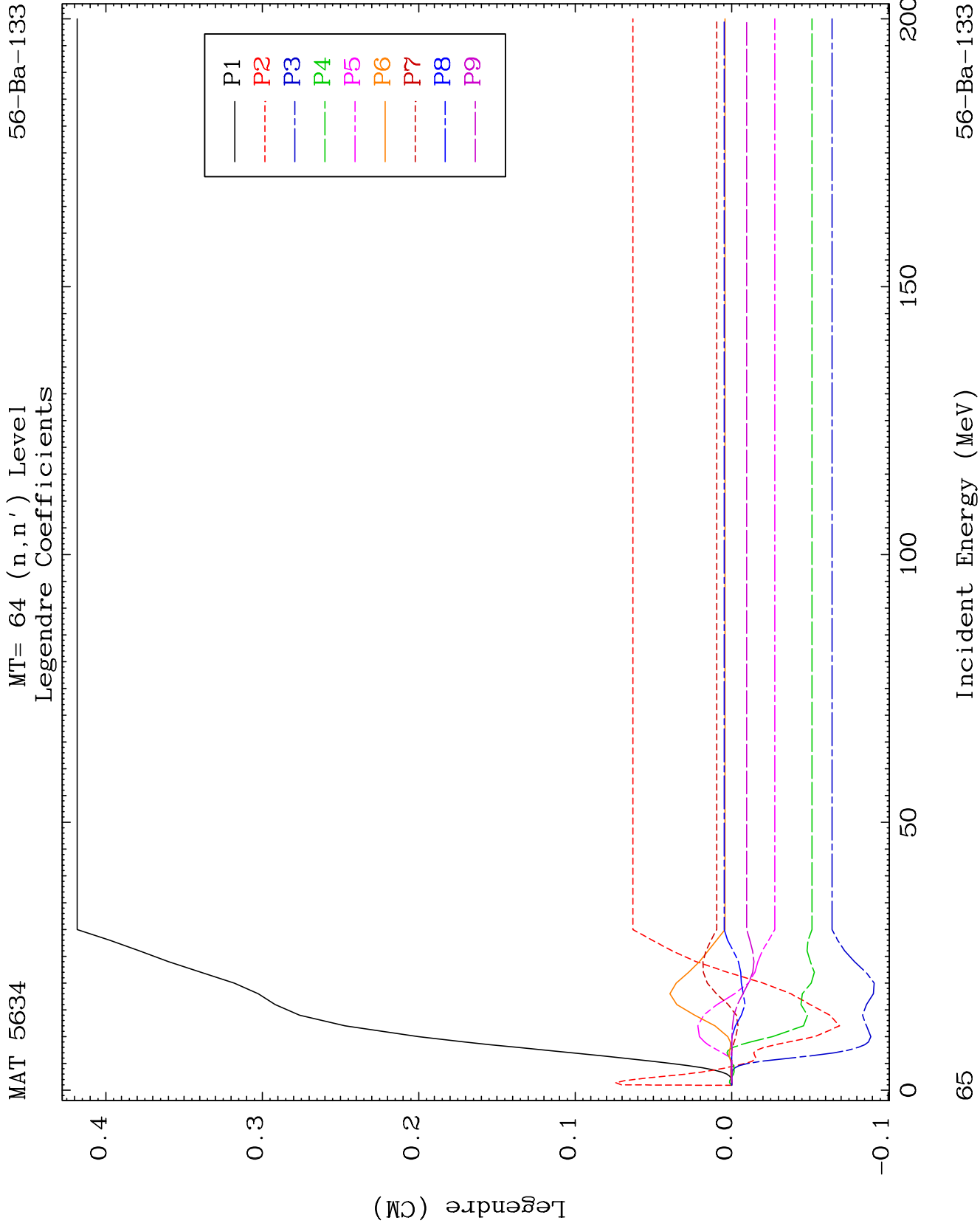


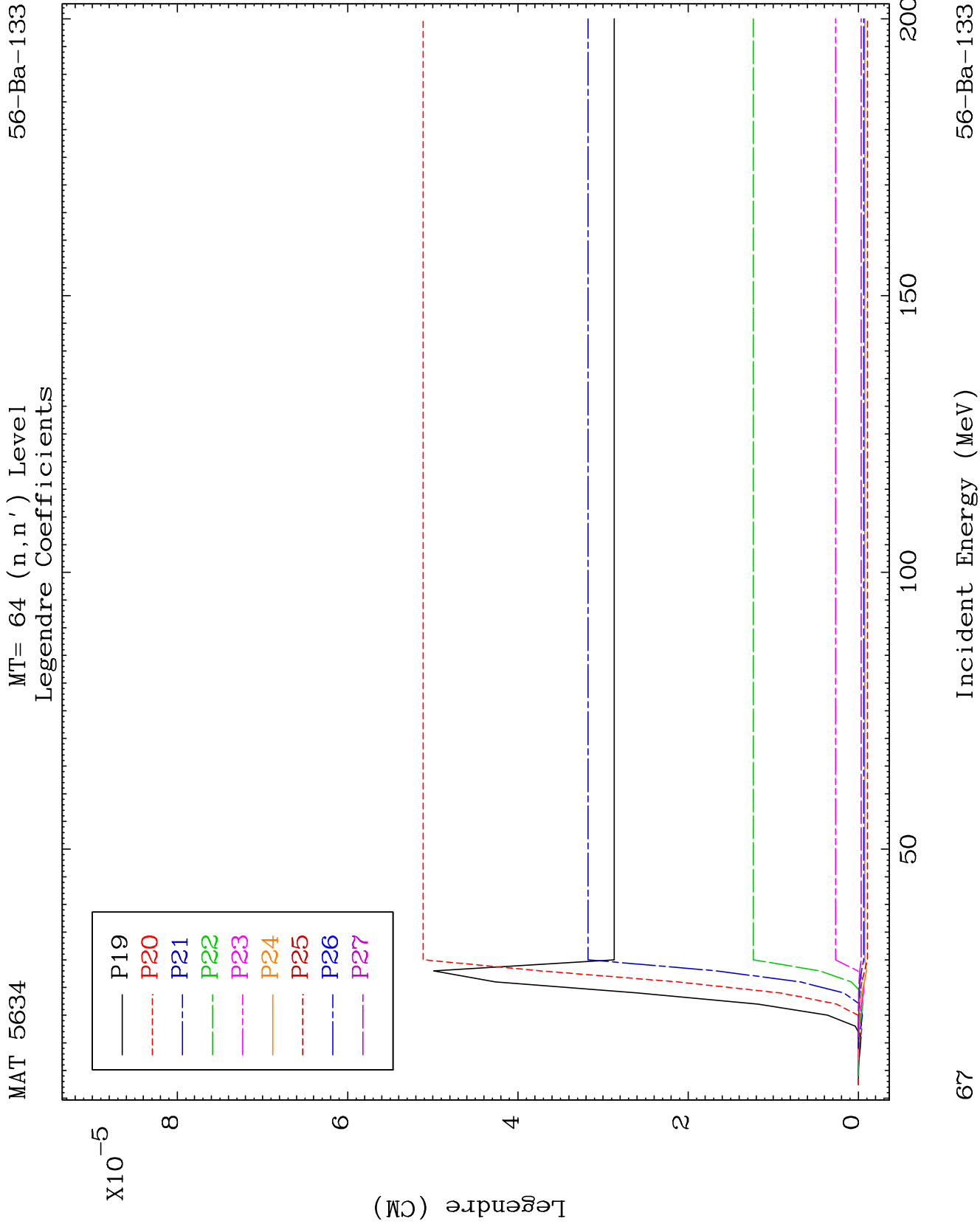








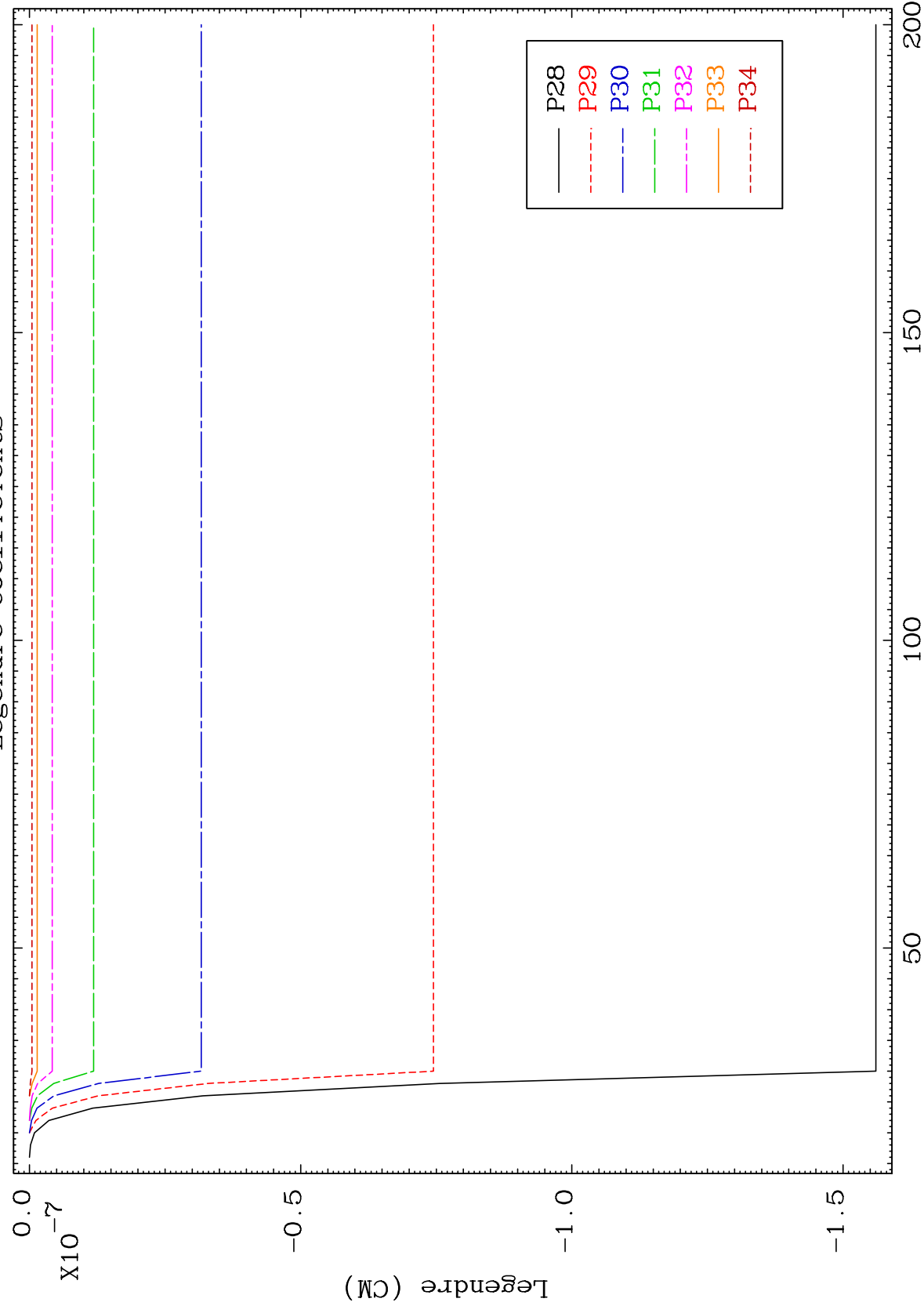




MAT 5634

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

56-Ba-133



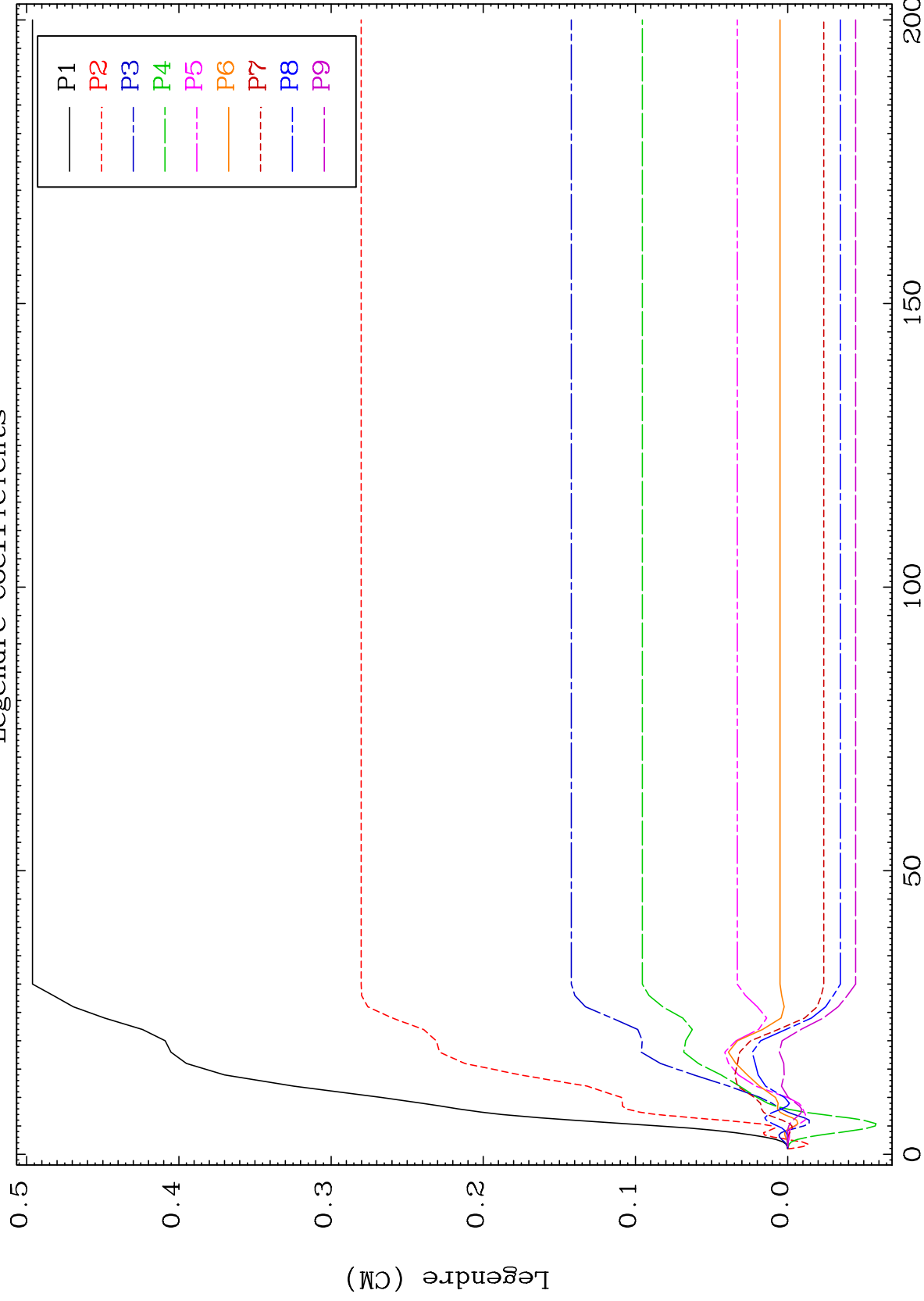
39

Incident Energy (MeV)

56-Ba-133

MAT 5634 MT= 65 (n,n') Level Legendre Coefficients

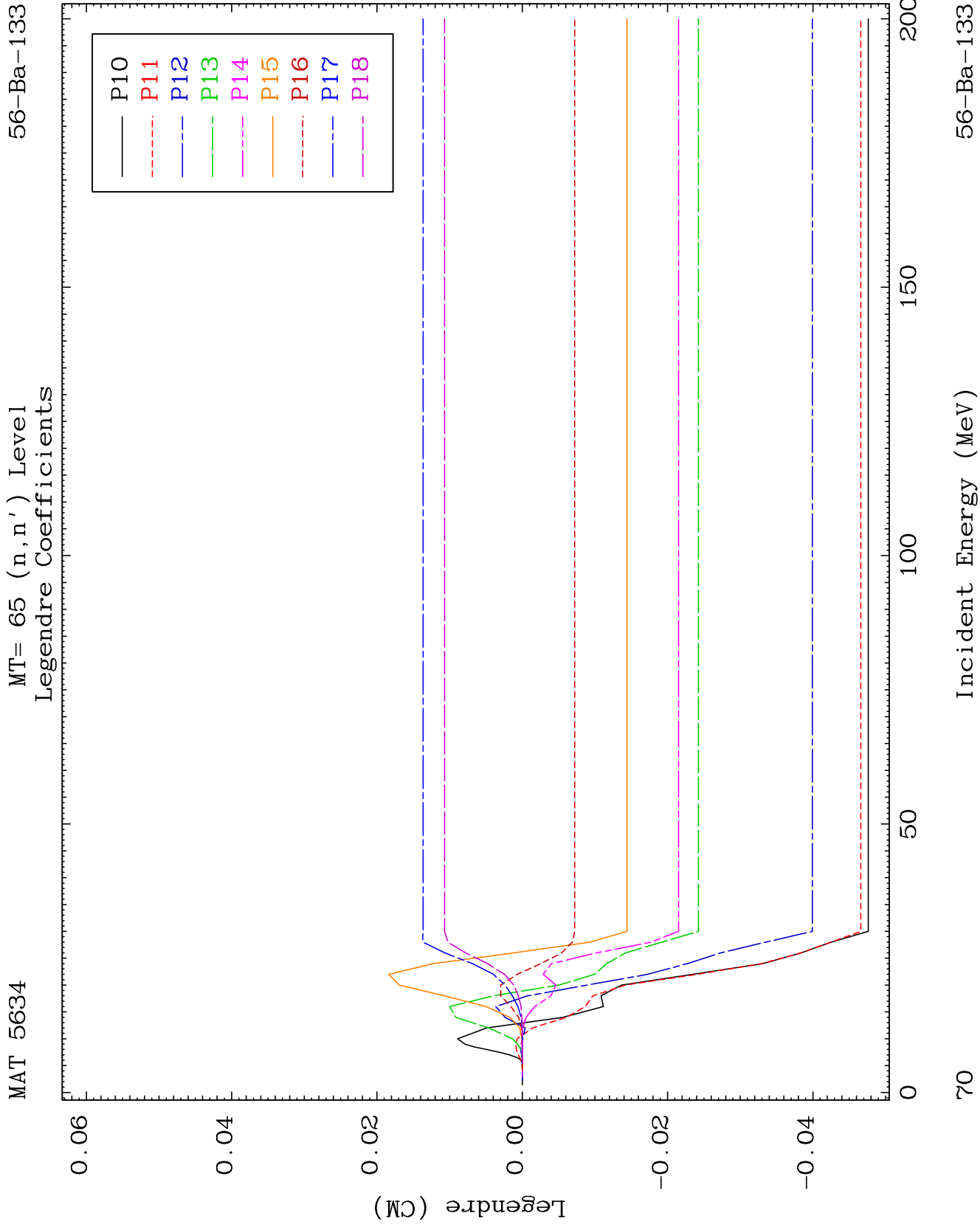
56-Ba-133



56-Ba-133

Incident Energy (MeV)

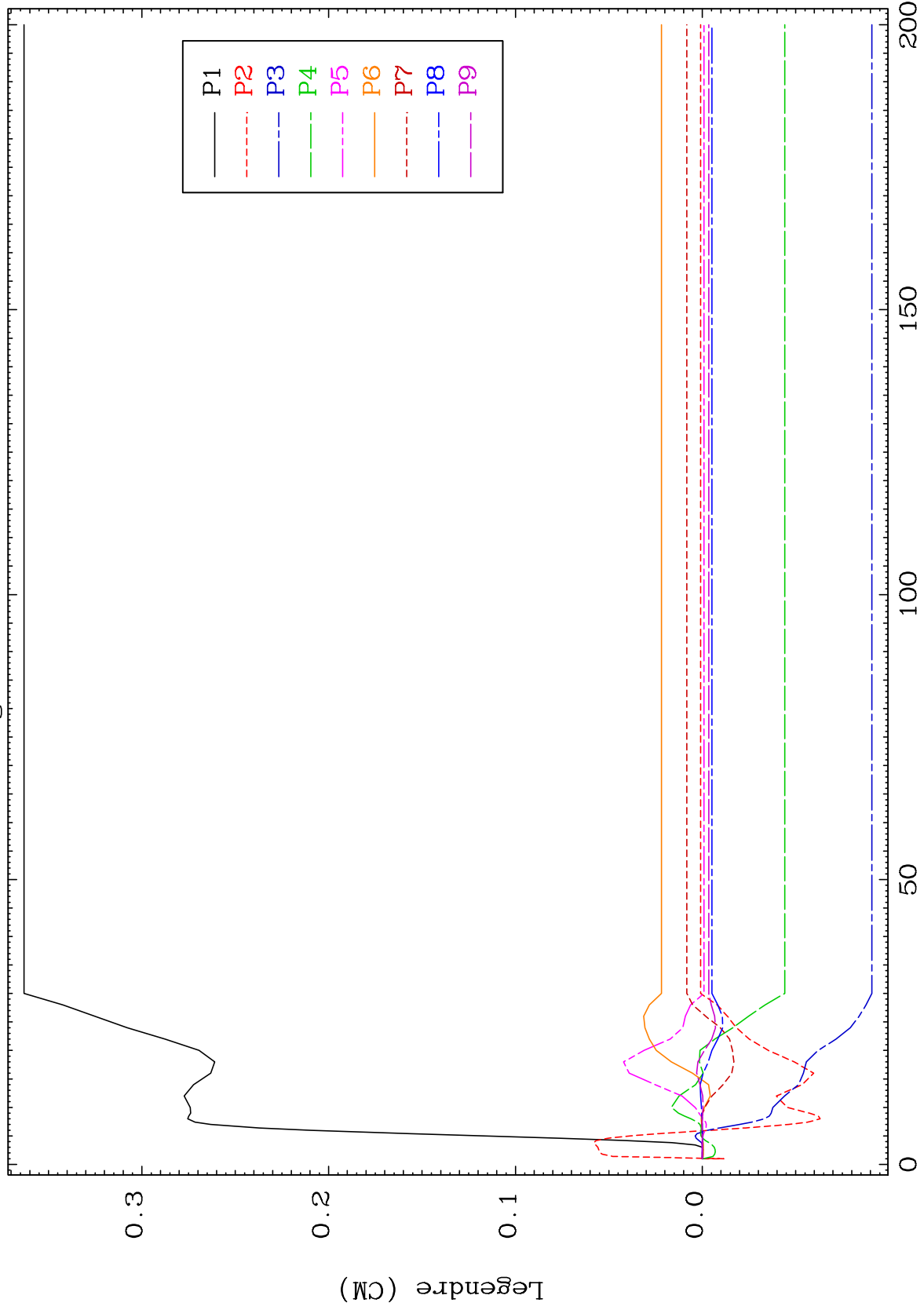
69



MAT 5634

MT= 66 (n,n') Level
Legendre Coefficients

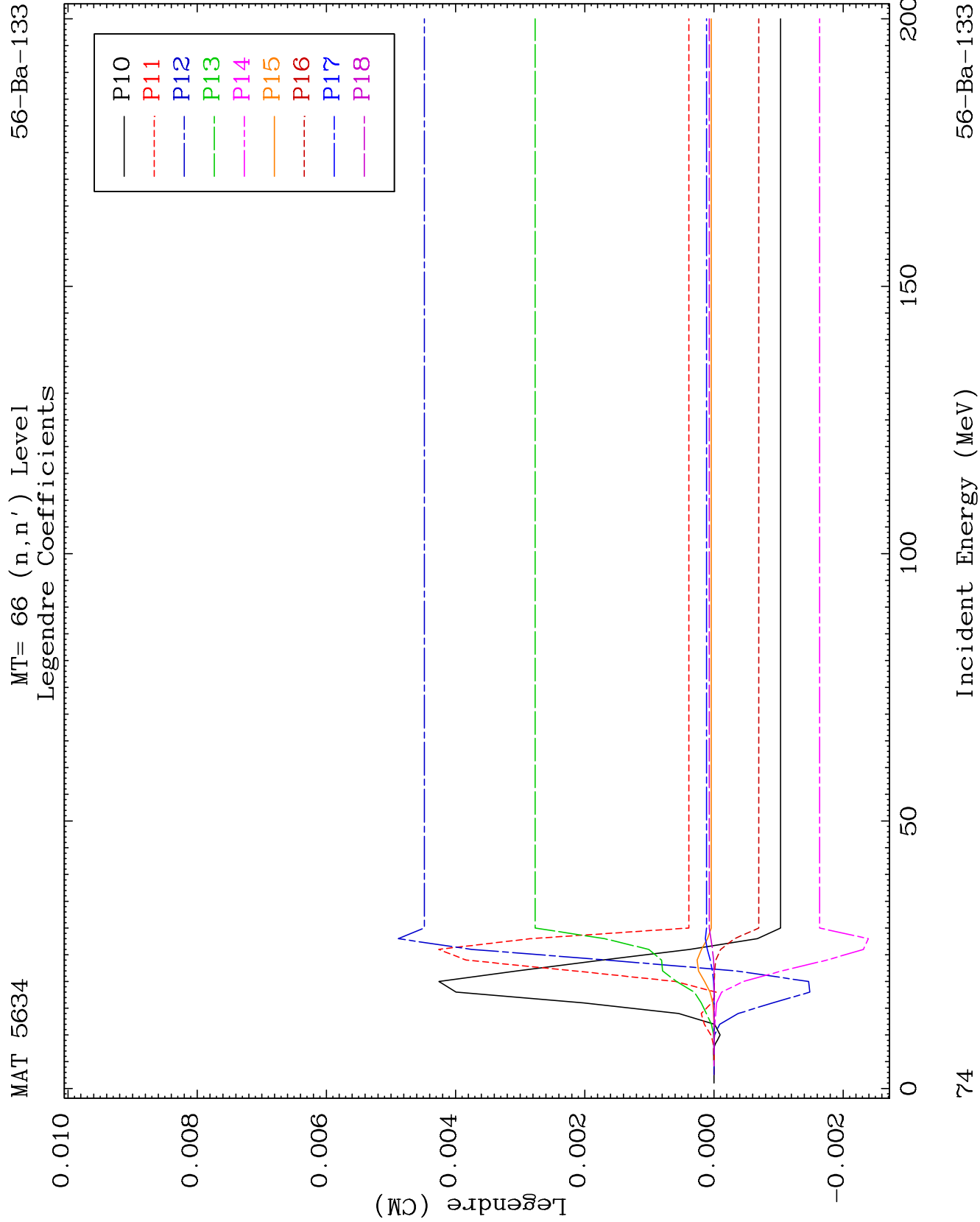
56-Ba-133



73

Incident Energy (MeV)

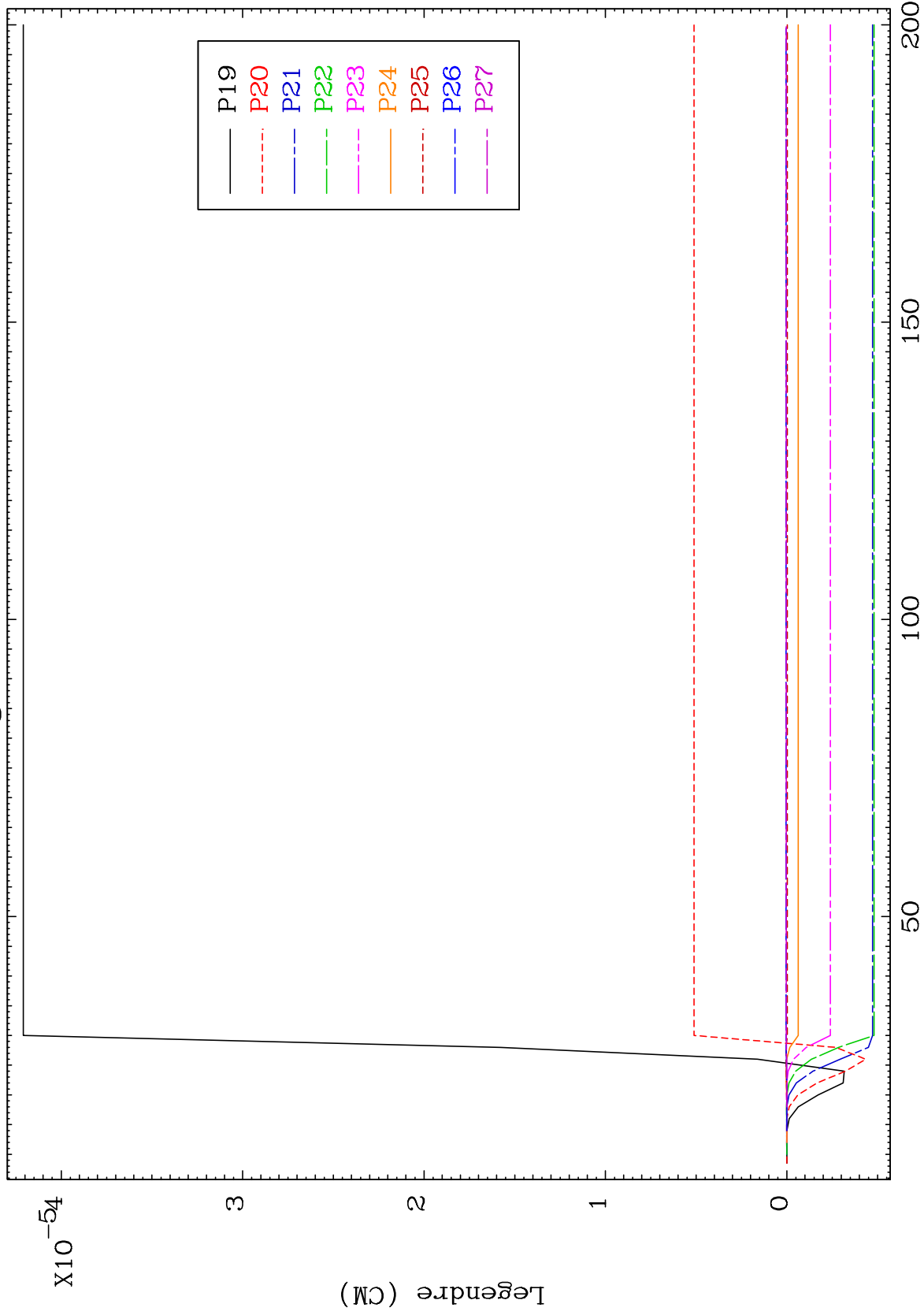
56-Ba-133



MAT 5634

MT= 66 (n,n') Level
Legendre Coefficients

56-Ba-133



75

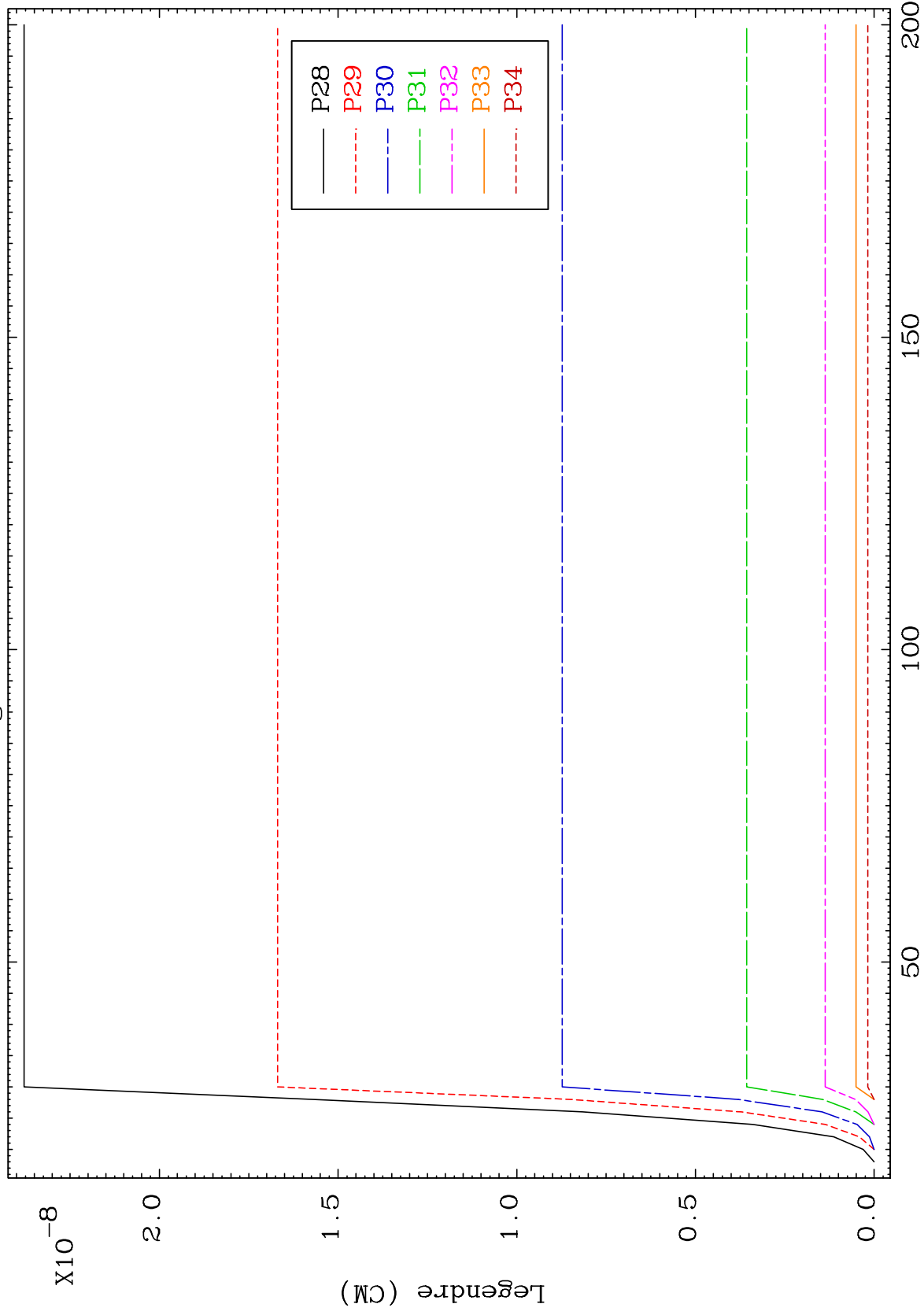
Incident Energy (MeV)

56-Ba-133

MAT 5634

MT= 66 (n,n') Level
Legendre Coefficients

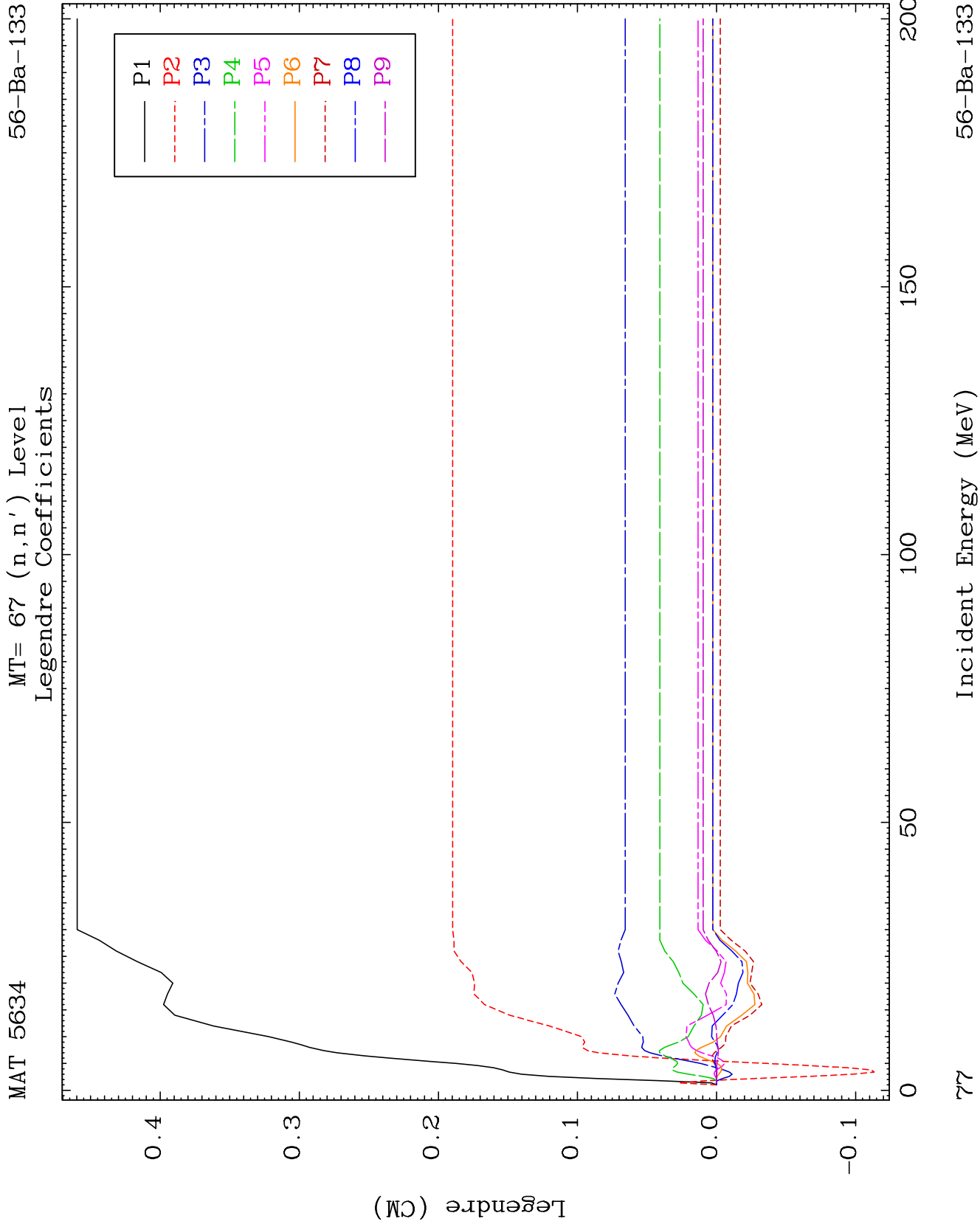
56-Ba-133



76

Incident Energy (MeV)

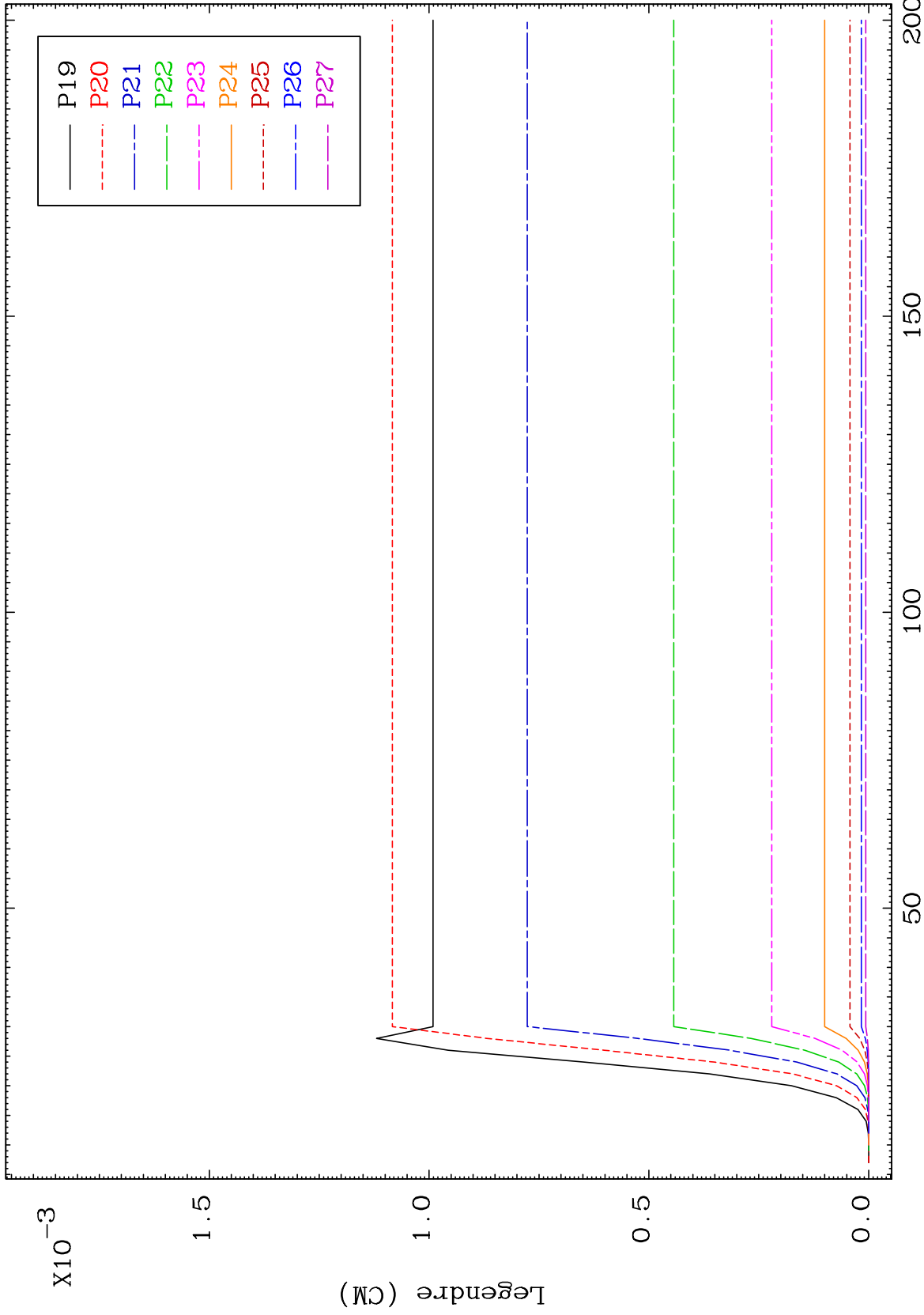
56-Ba-133



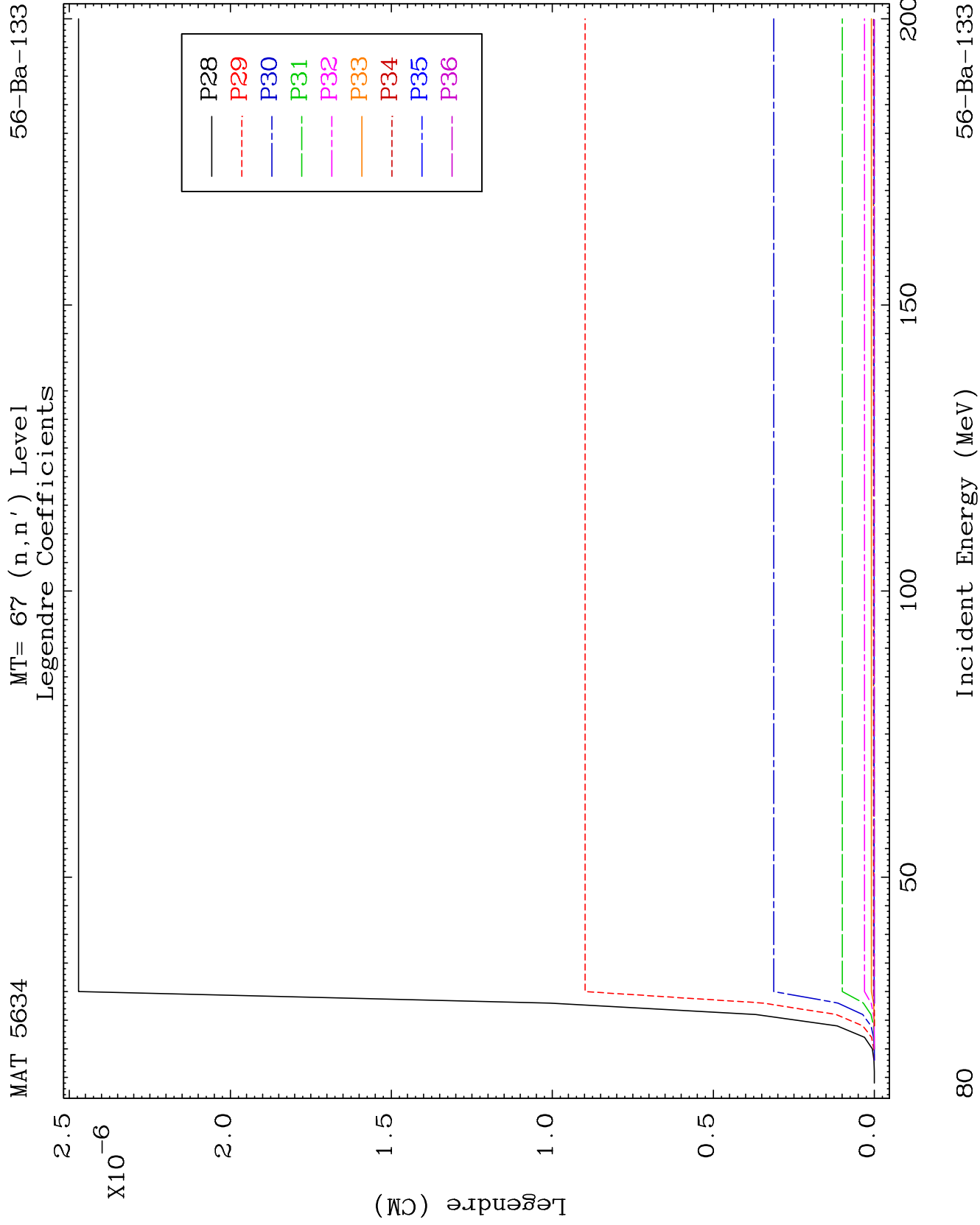
MAT 5634

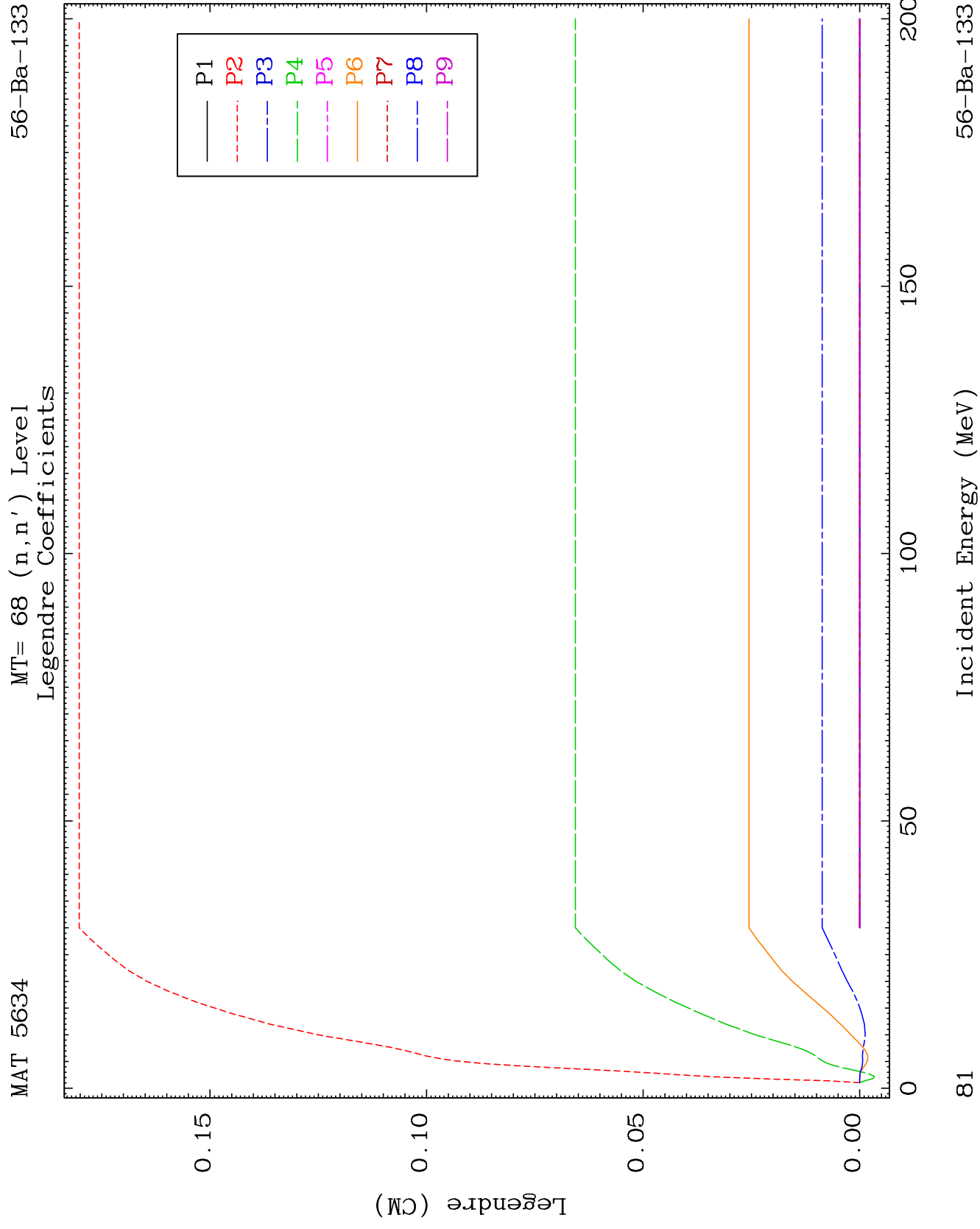
MT= 67 (n,n') Level
Legendre Coefficients

56-Ba-133



79

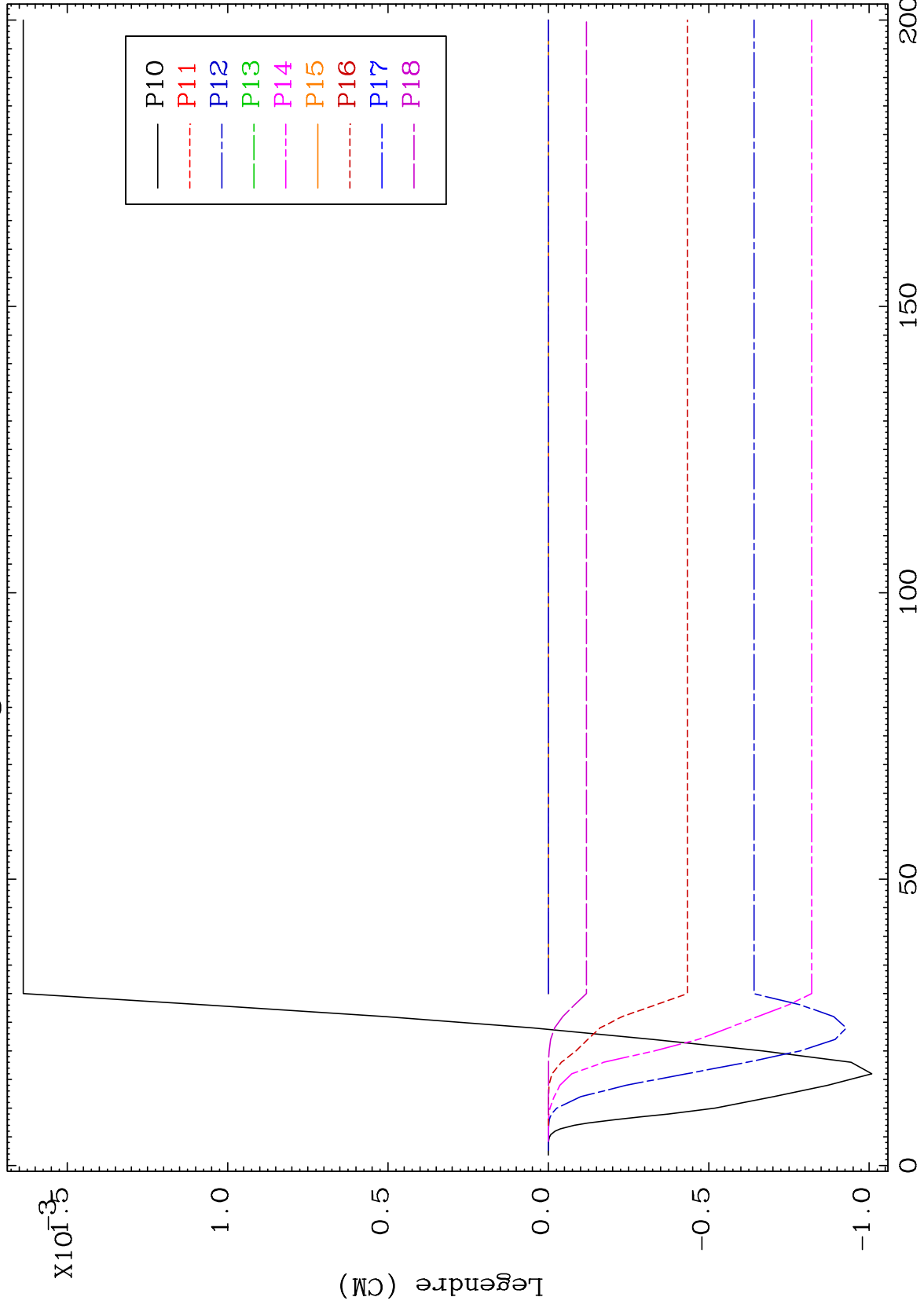




MAT 5634

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

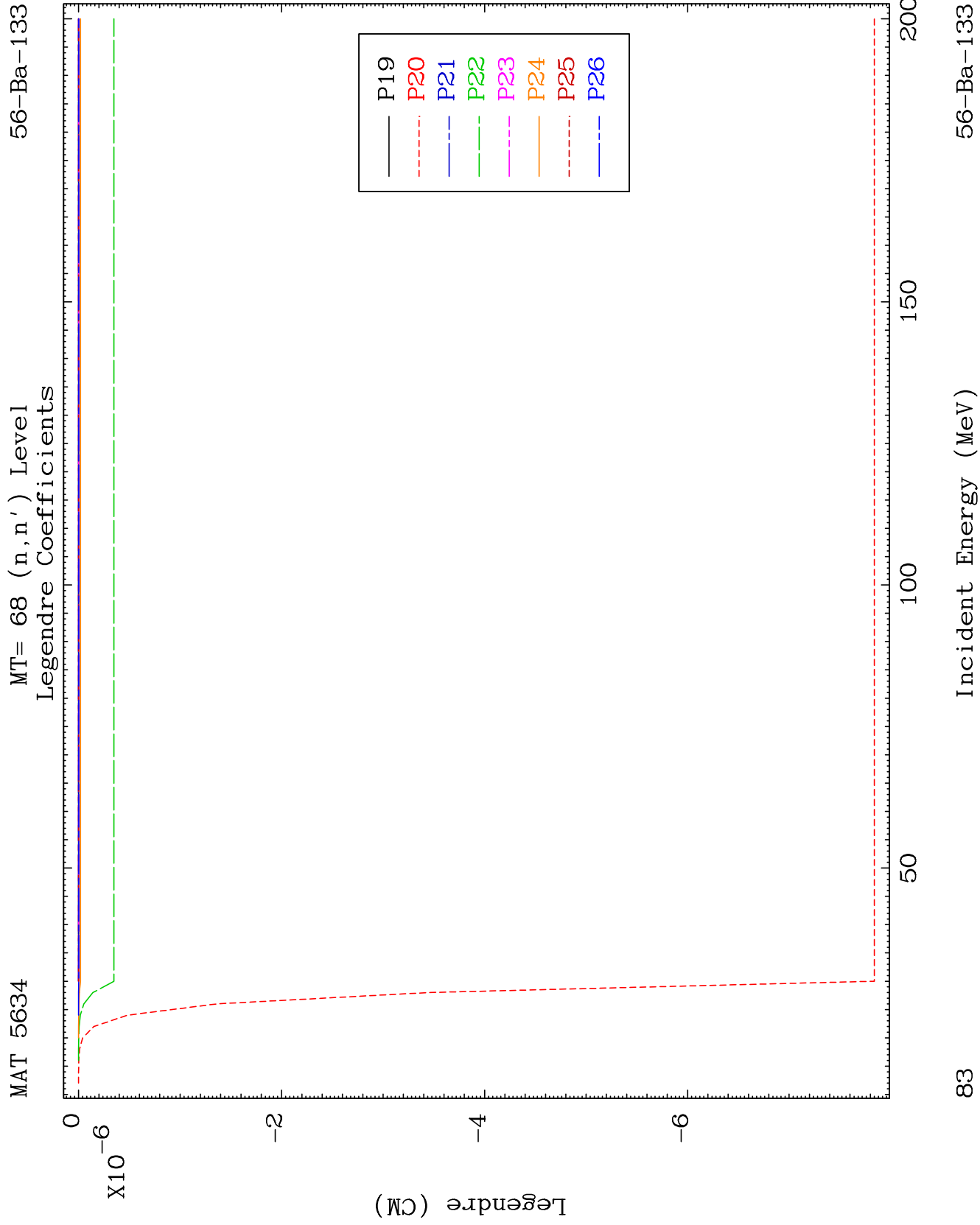
56-Ba-133

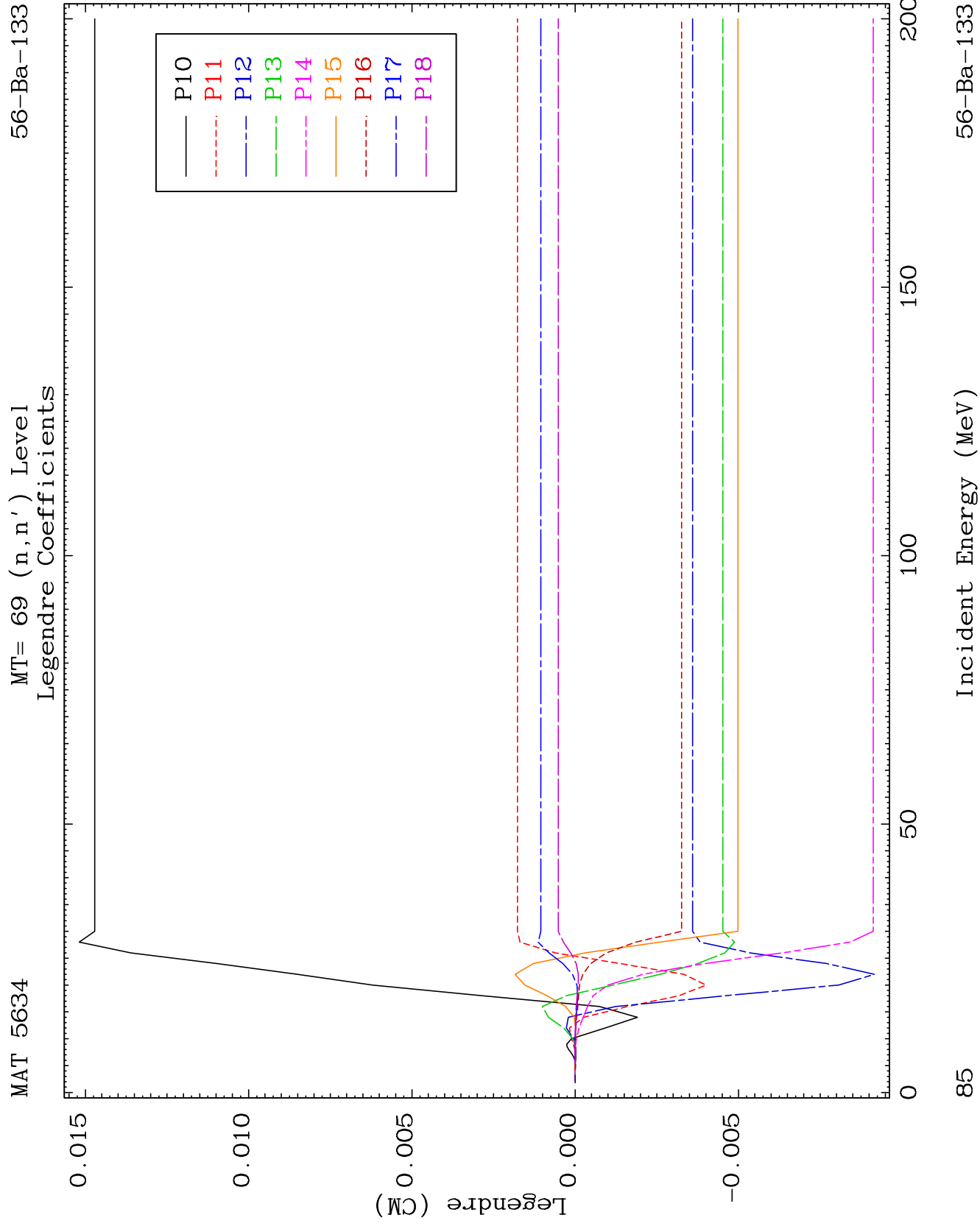


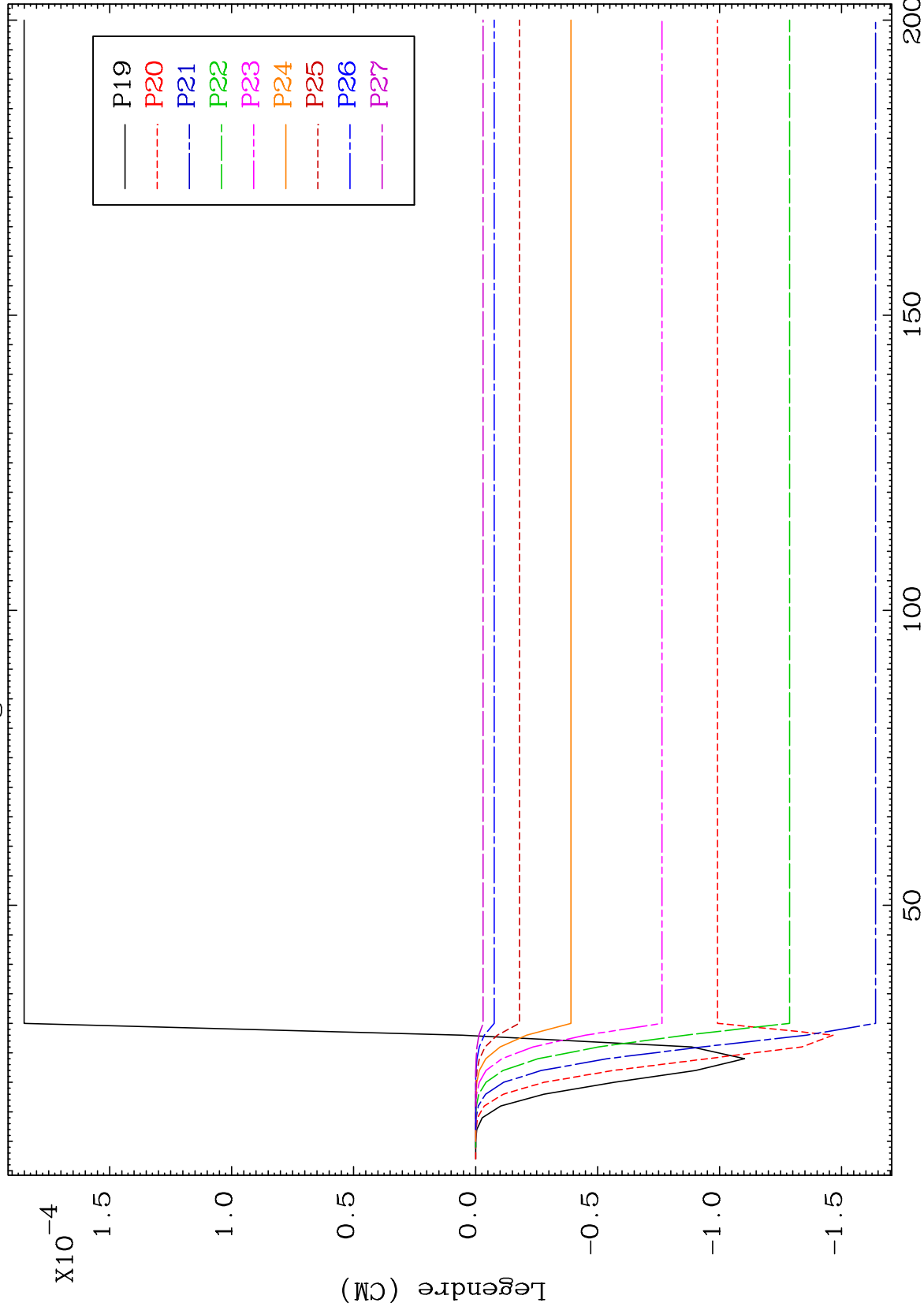
82

Incident Energy (MeV)

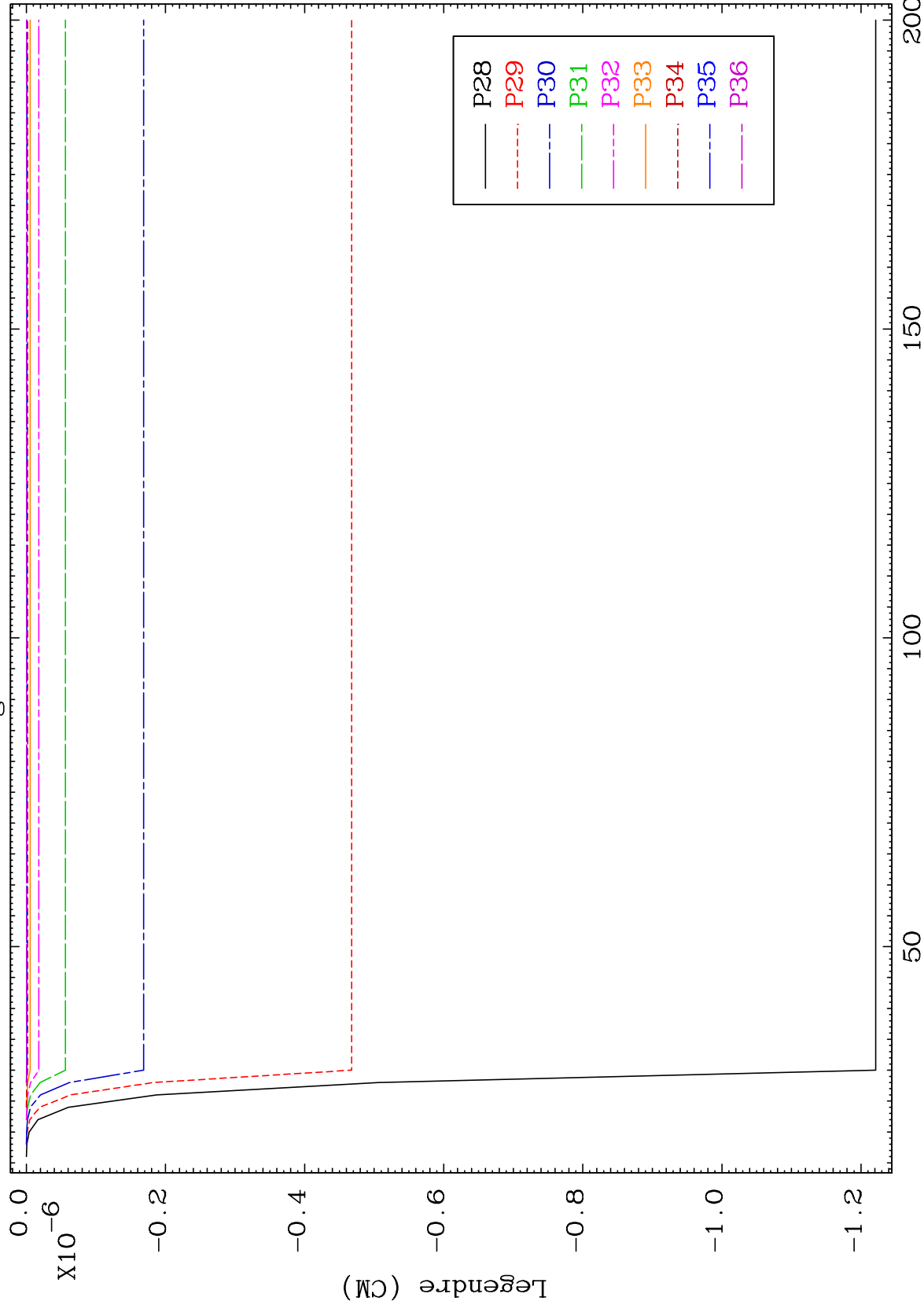
56-Ba-133





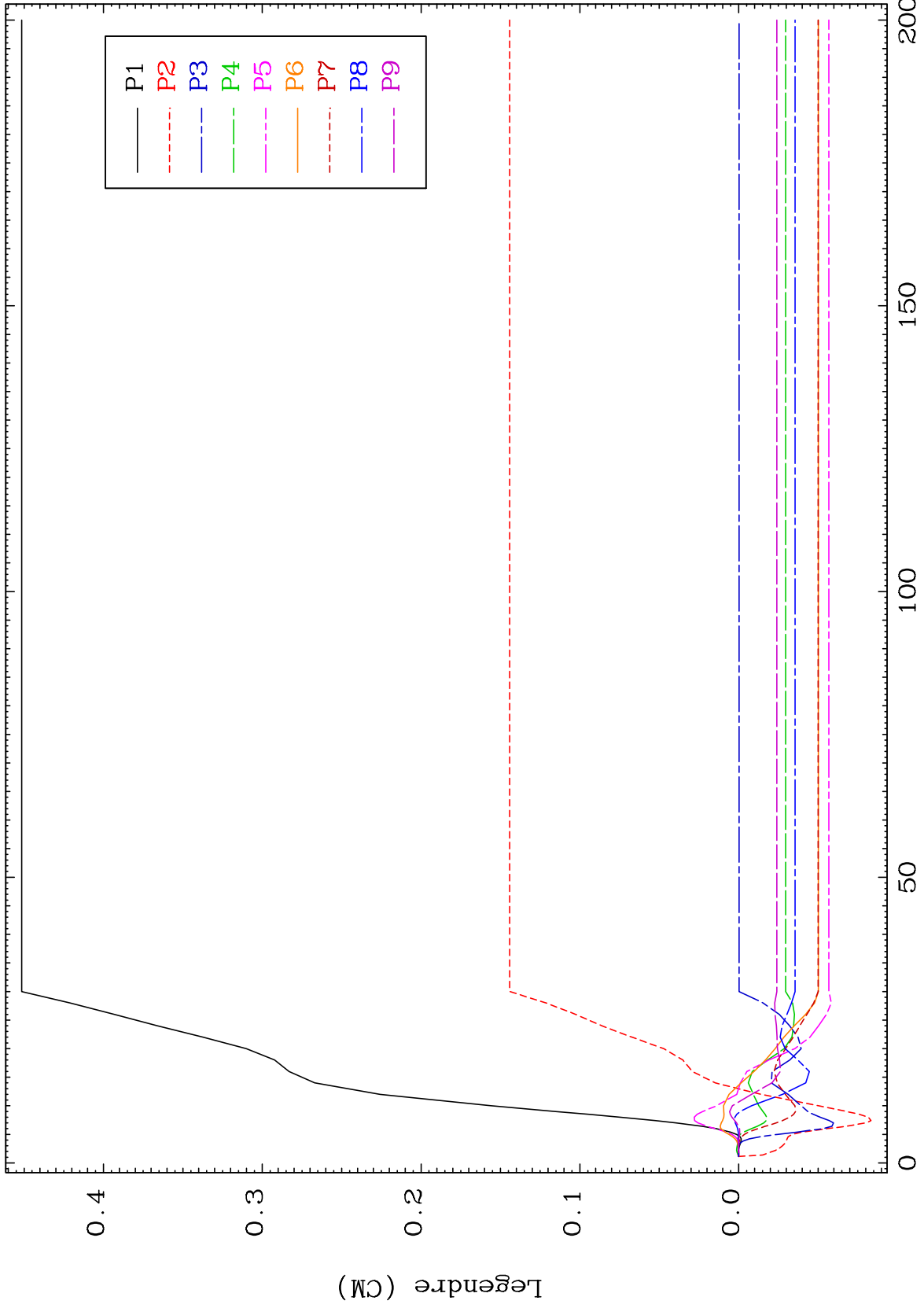


MAT 5634 MT= 69 (n,n') Level Legendre Coefficients 56-Ba-133

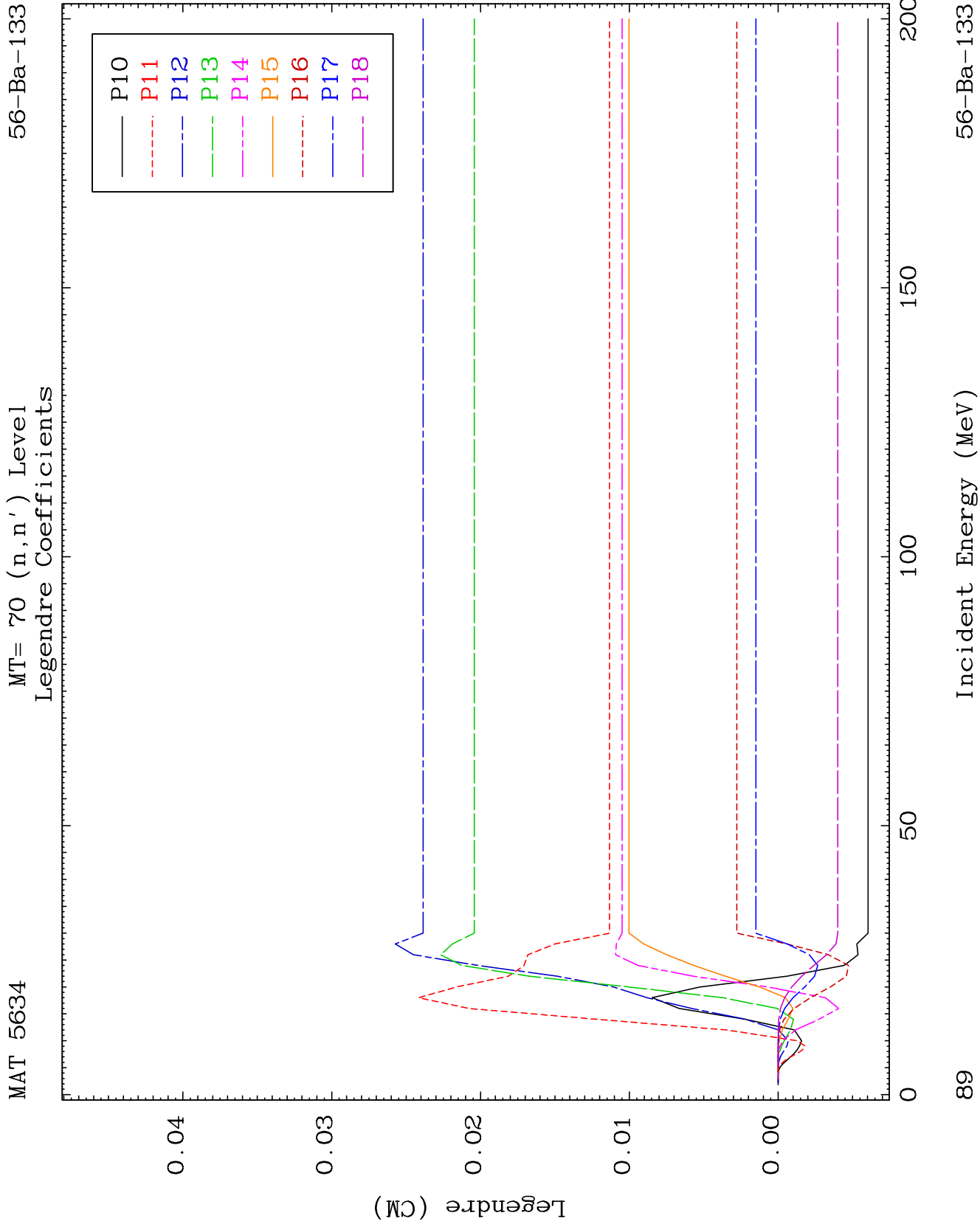


87 56-Ba-133

MAT 5634 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-133



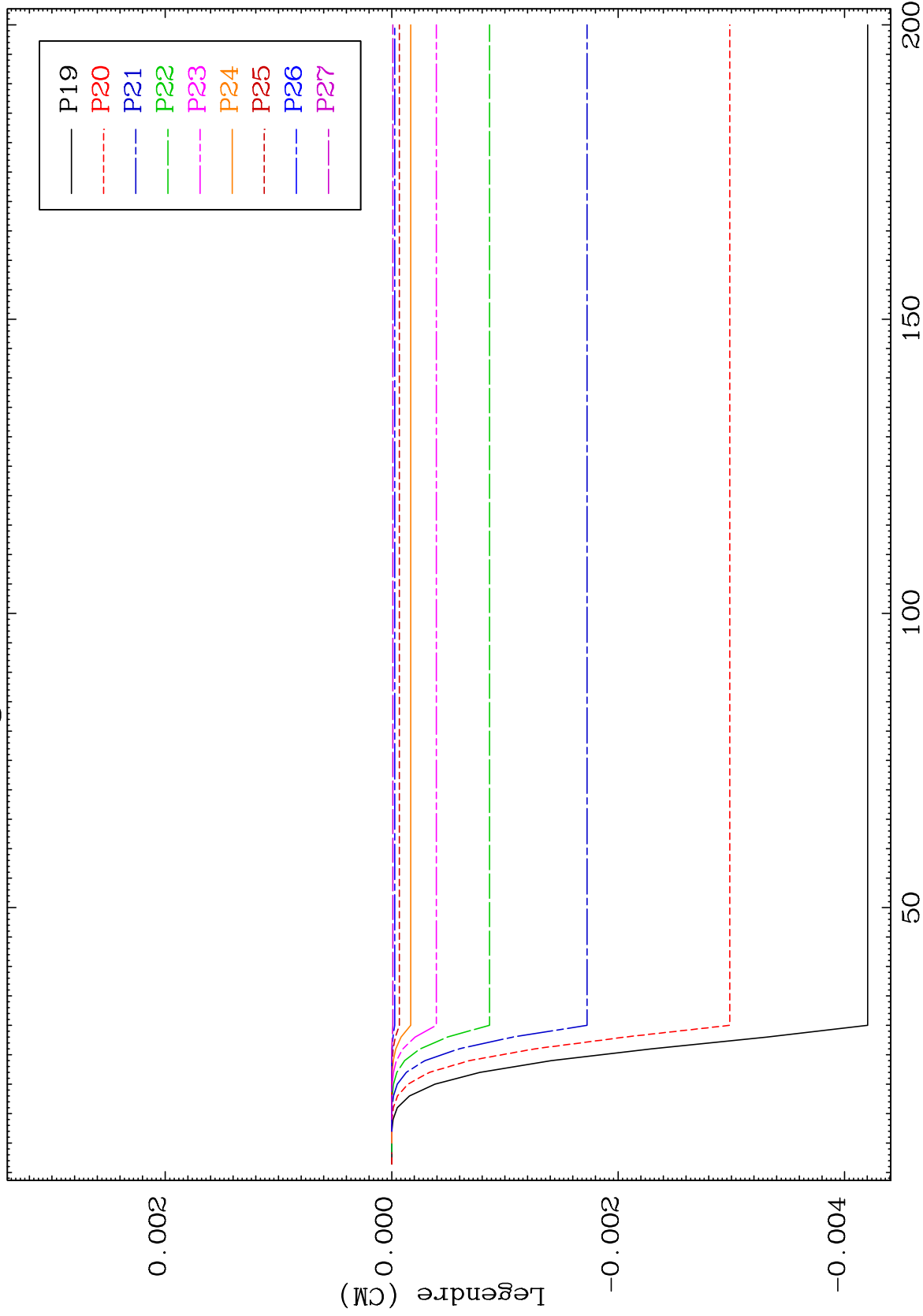
88 56-Ba-133



MAT 5634

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

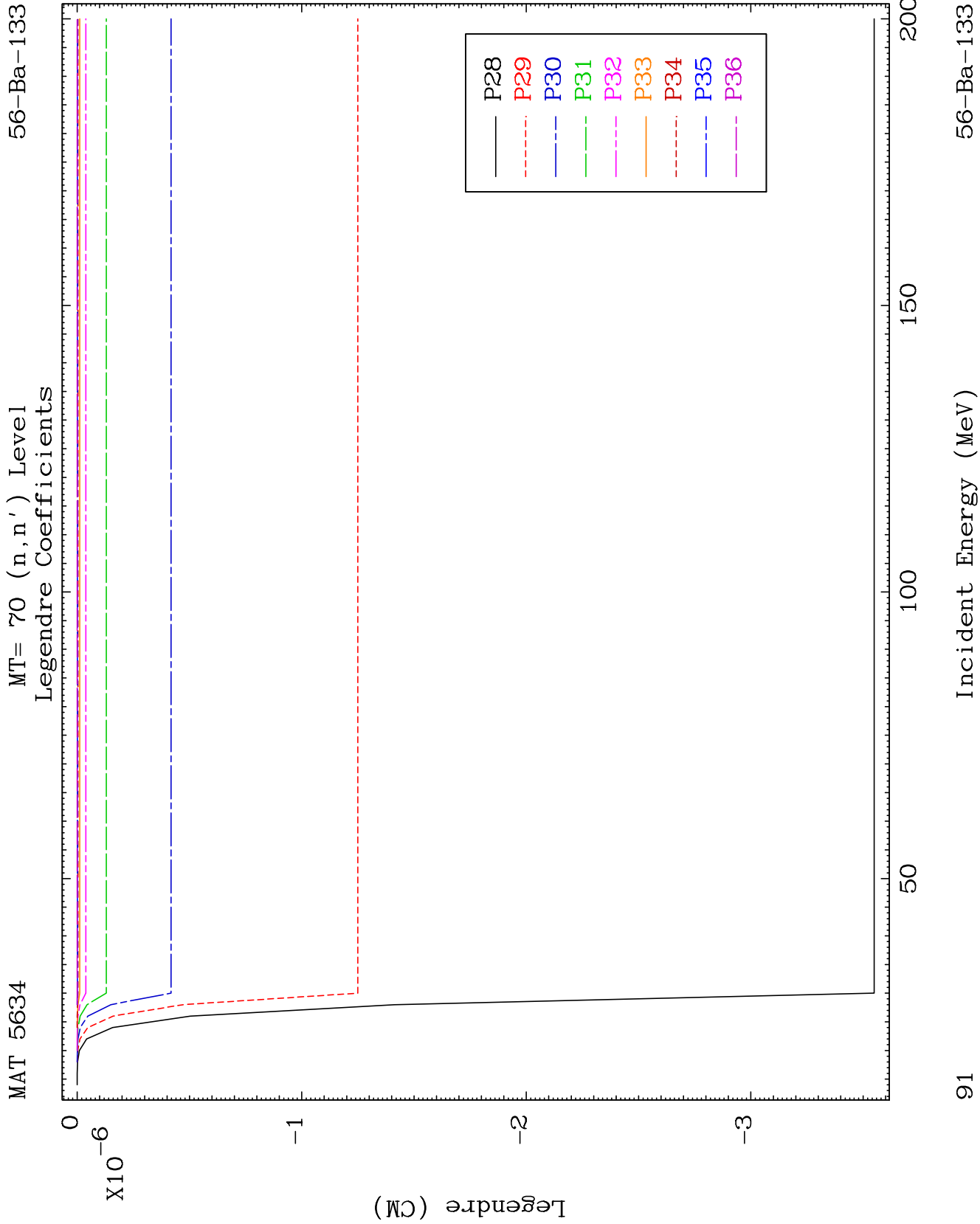
56-Ba-133



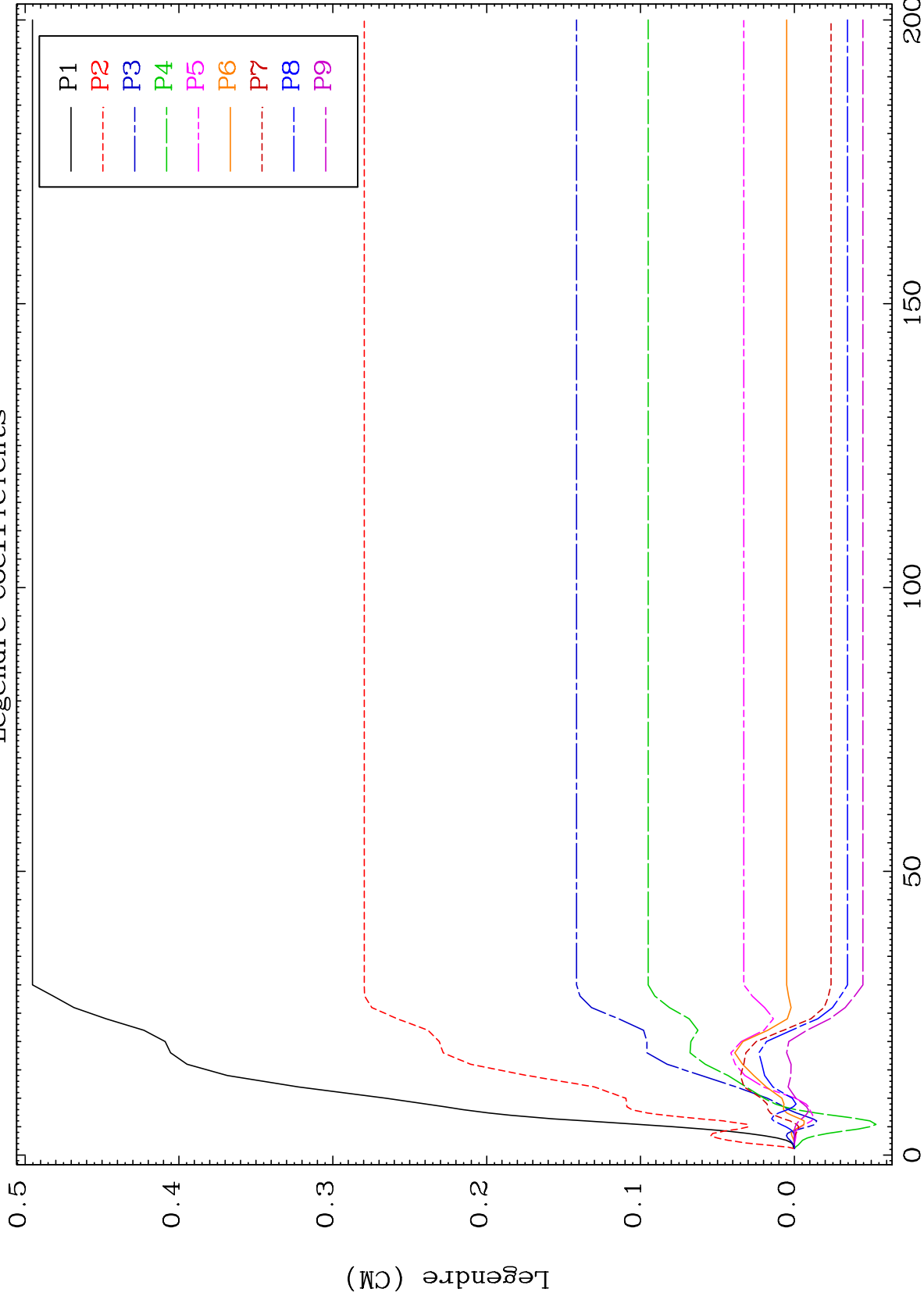
90

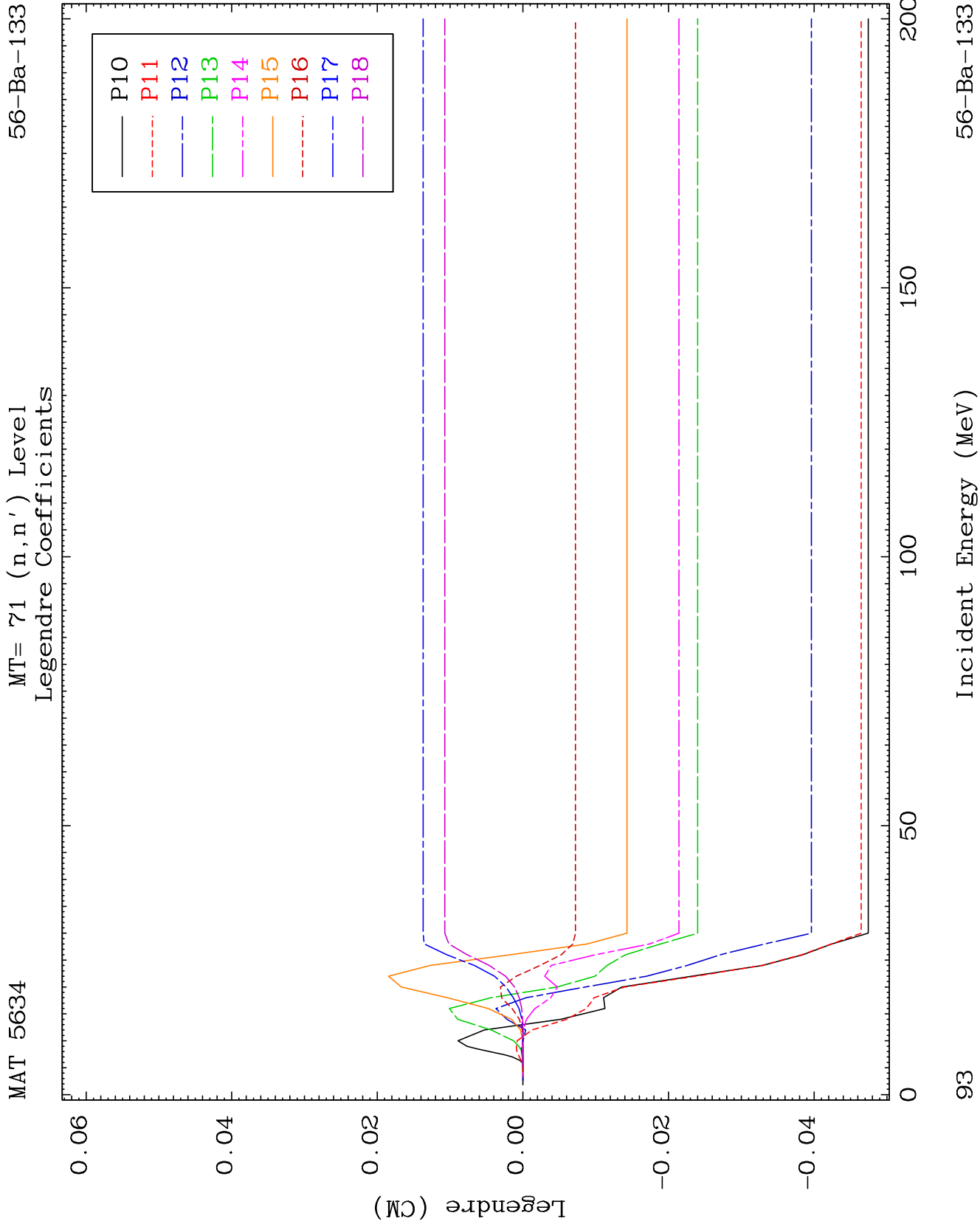
Incident Energy (MeV)

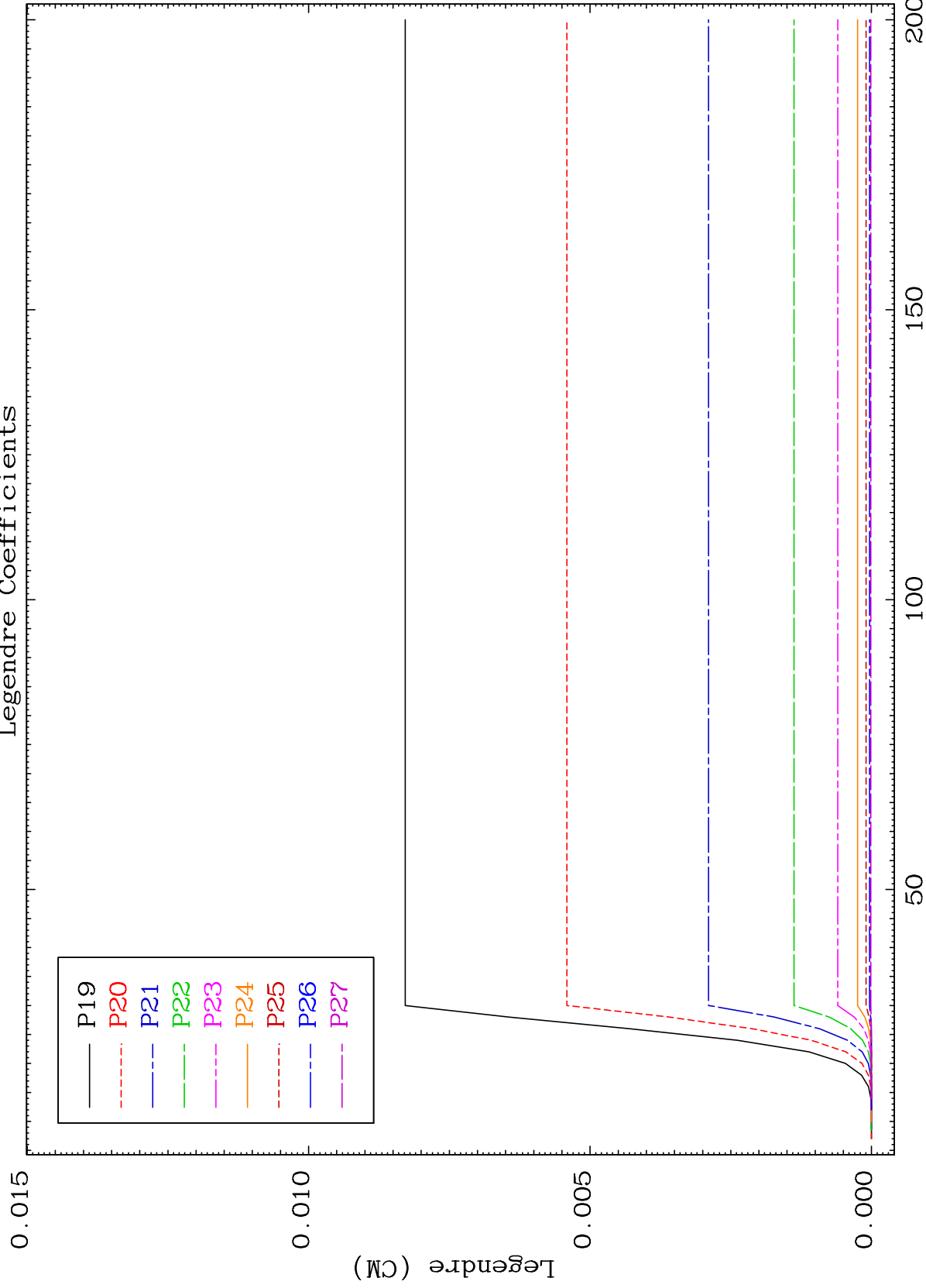
56-Ba-133



MAT 5634 MT= 71 (n,n') Level Legendre Coefficients 56-Ba-133



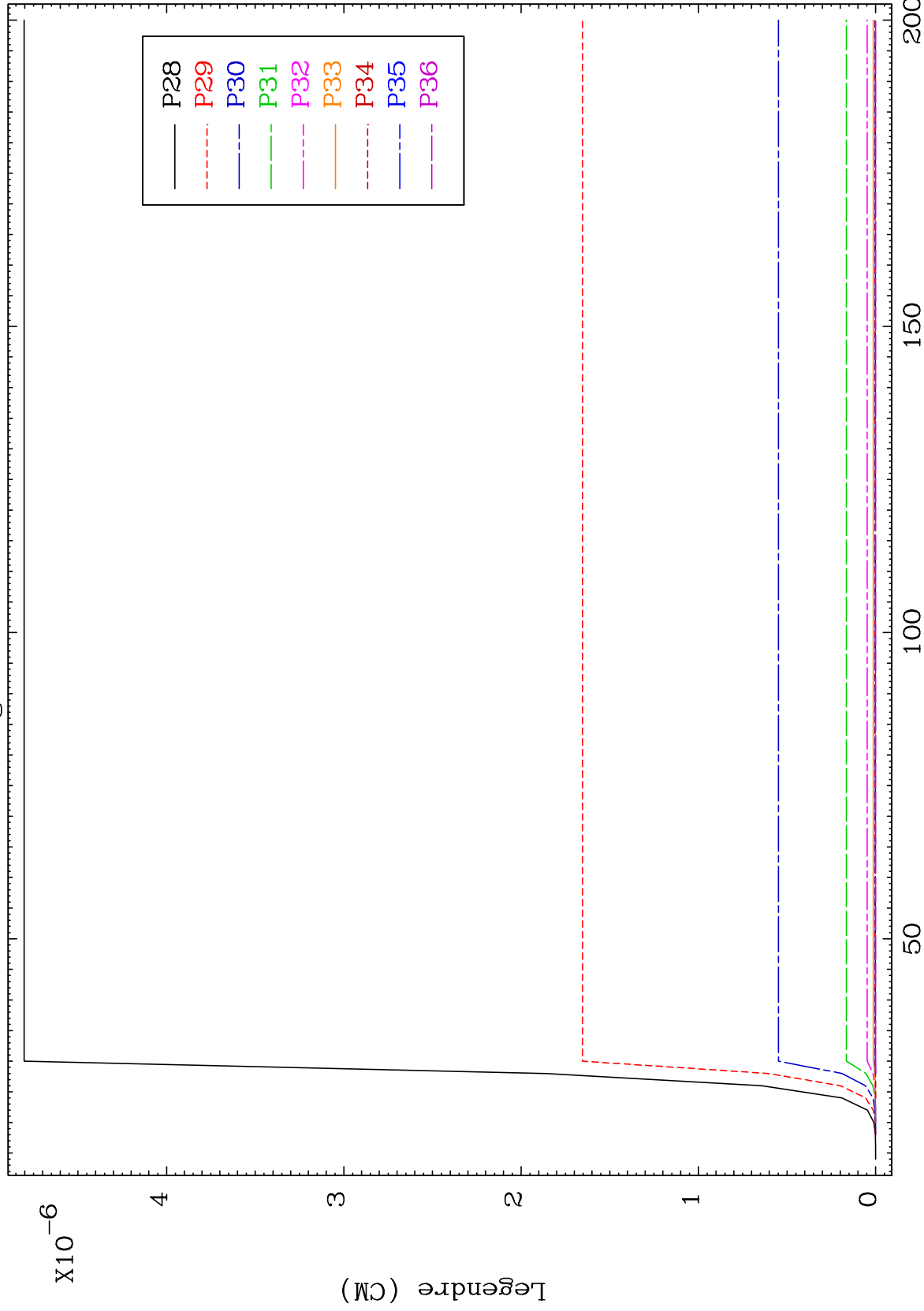




MAT 5634

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

56-Ba-133



95

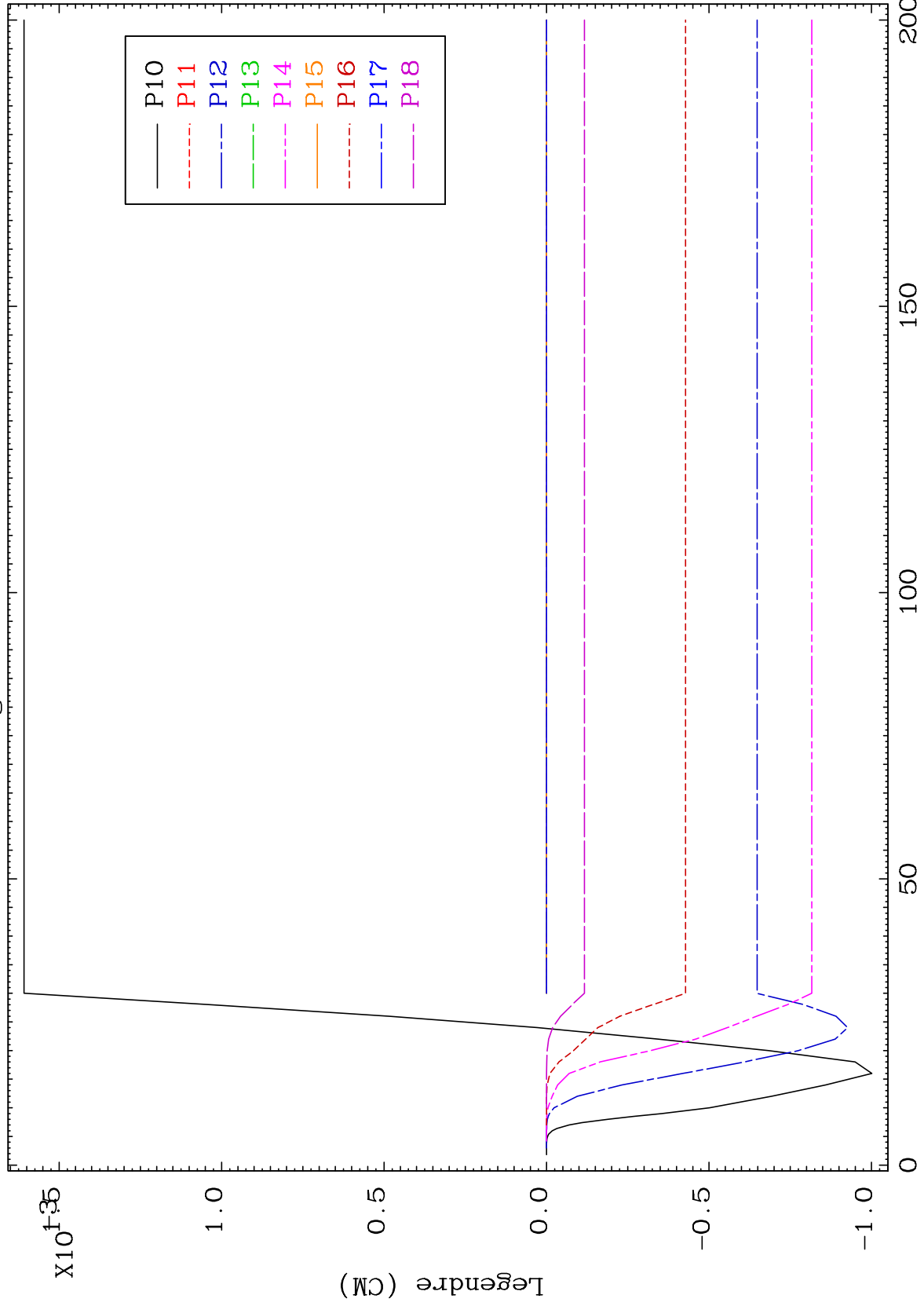
Incident Energy (MeV)

56-Ba-133

MAT 5634

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

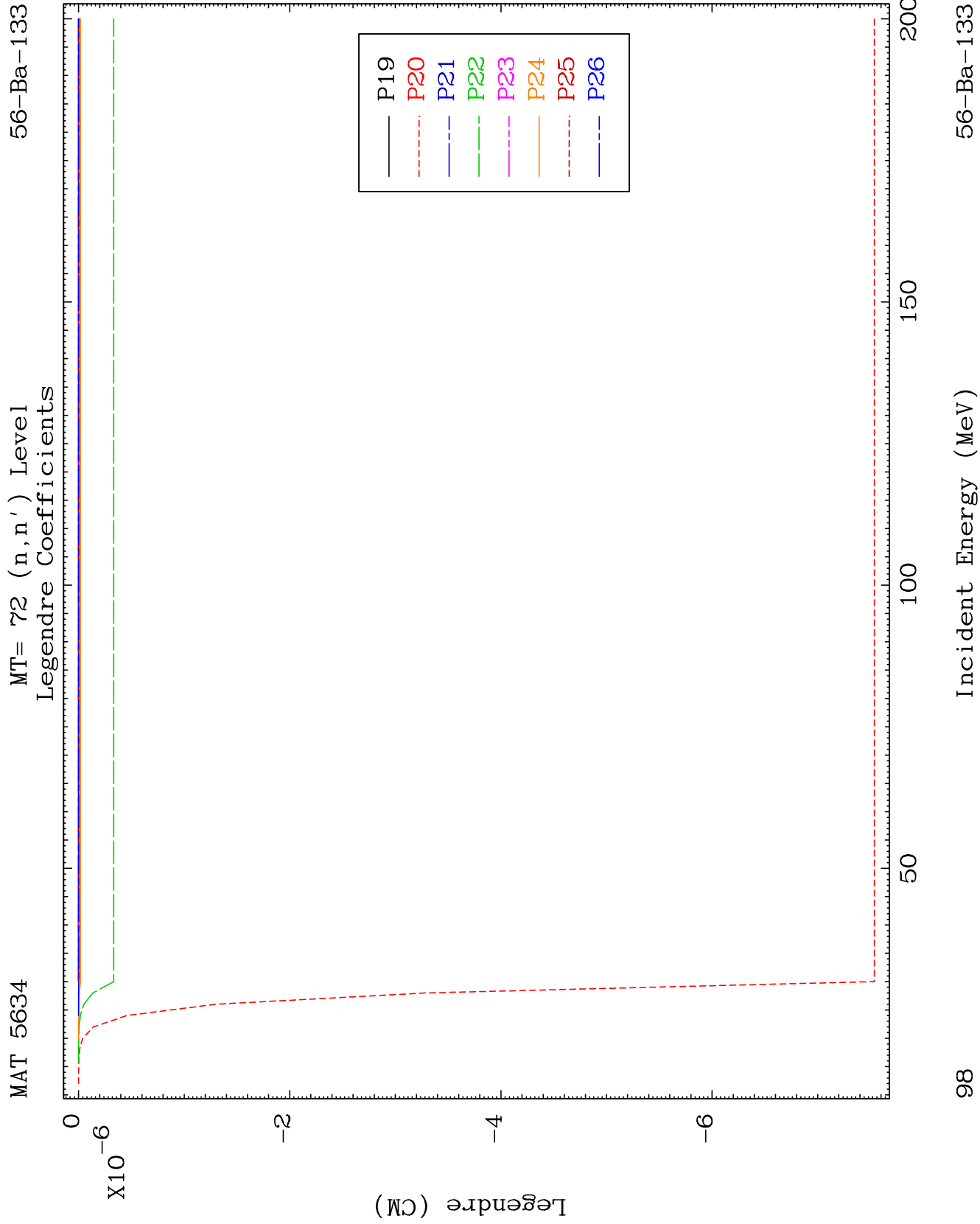
56-Ba-133

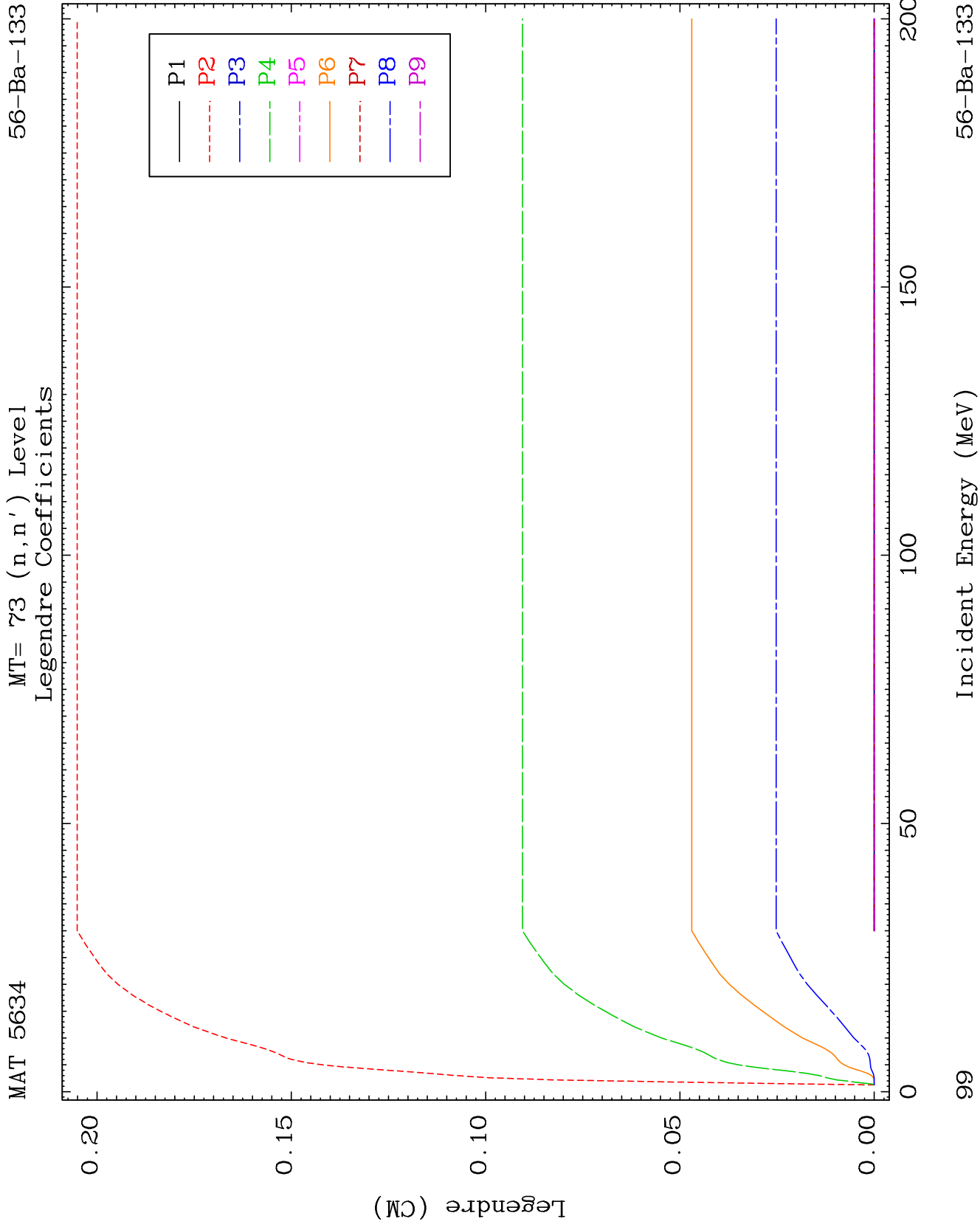


97

Incident Energy (MeV)

56-Ba-133

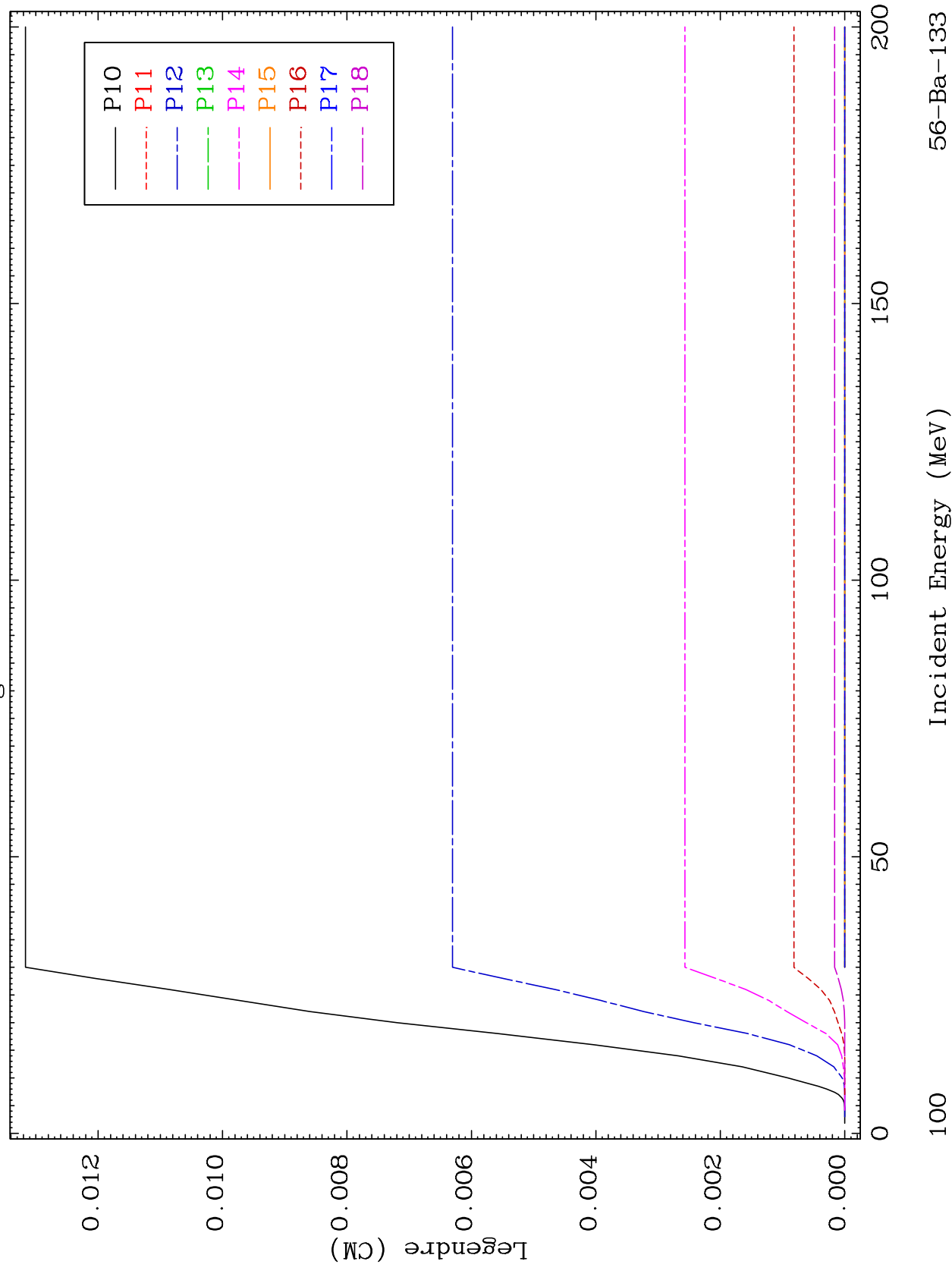


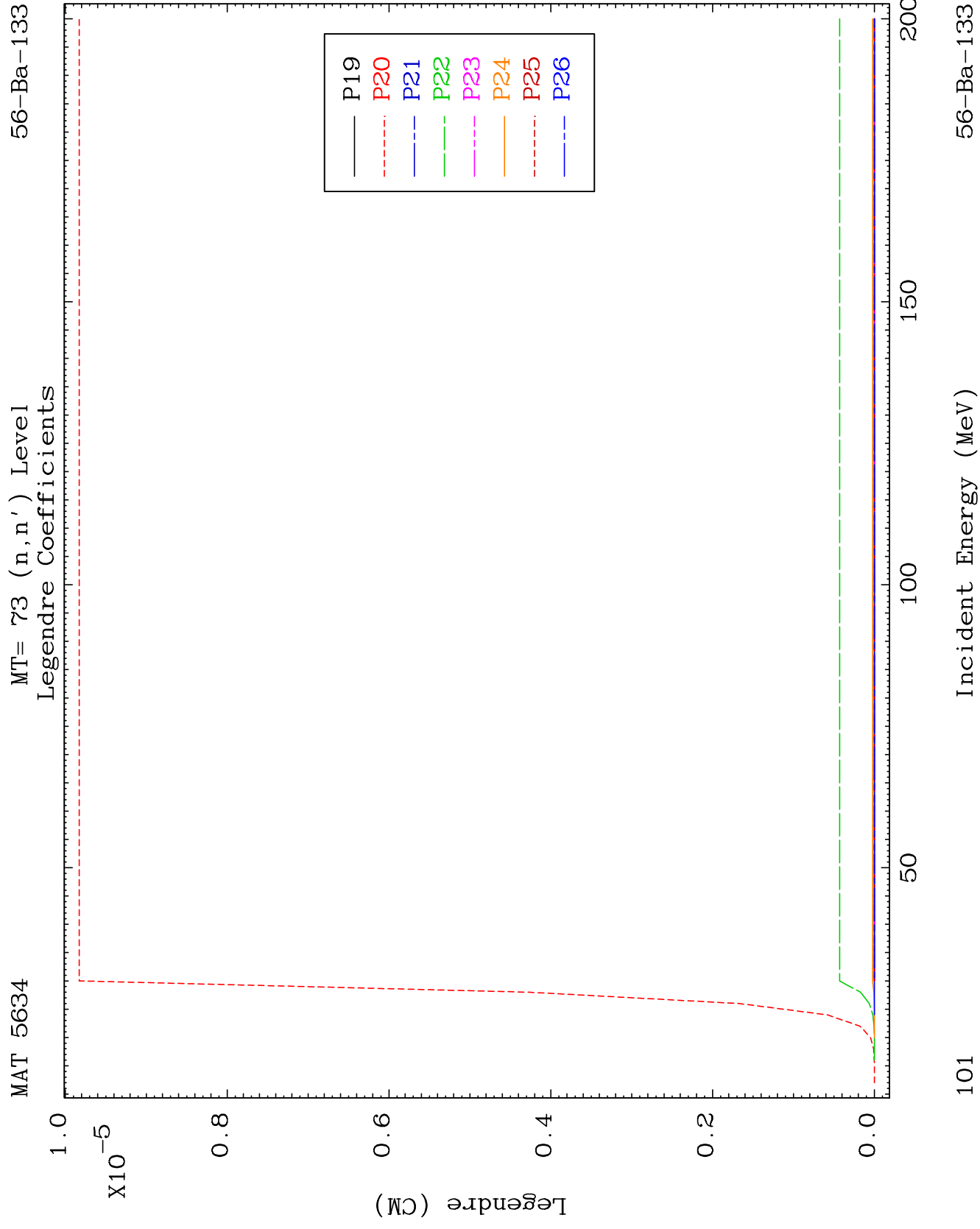


MAT 5634

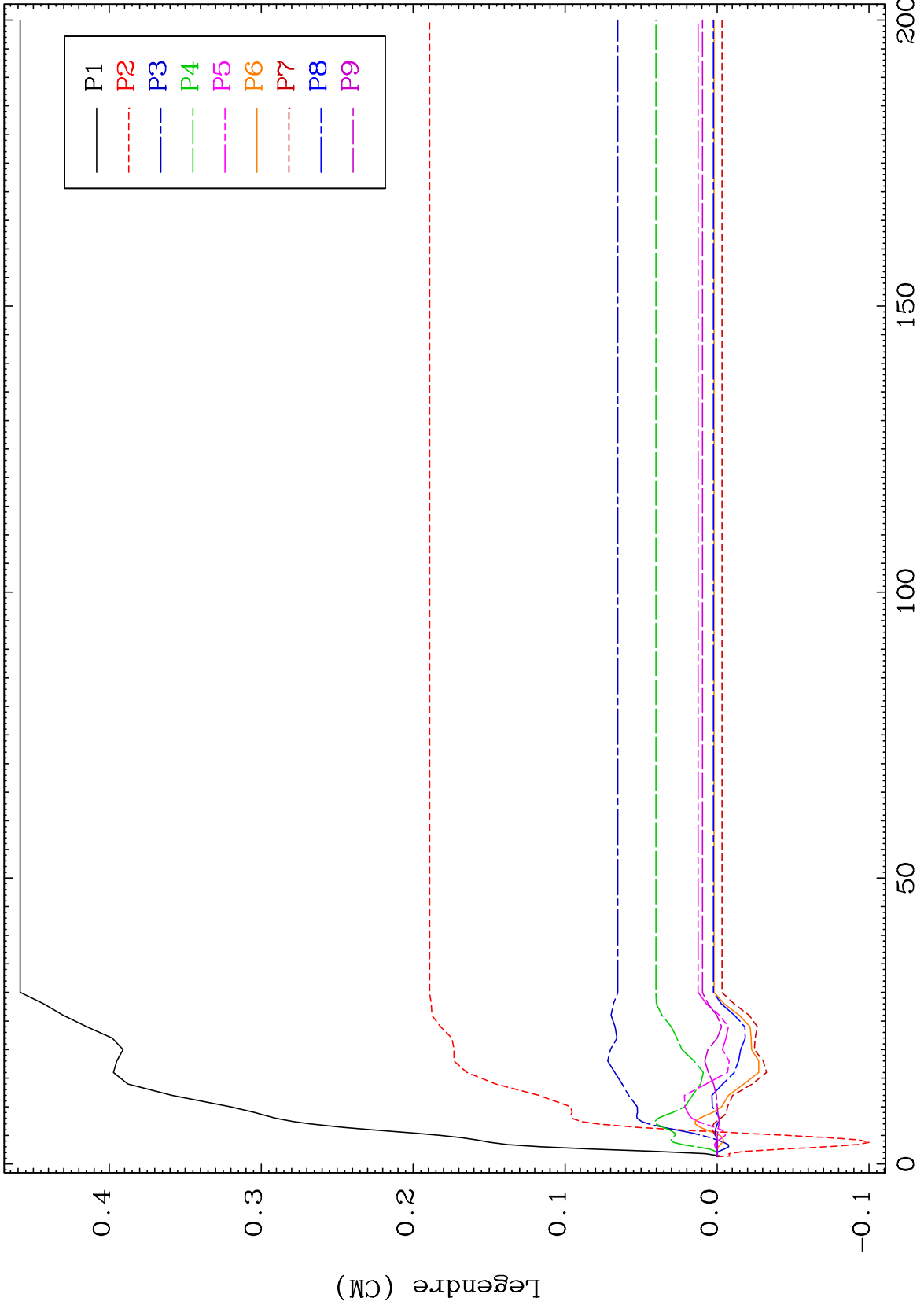
MT= 73 (n, n') Level
Legendre Coefficients

56-Ba-133





MAT 5634 MT= 74 (n,n') Level Legendre Coefficients 56-Ba-133

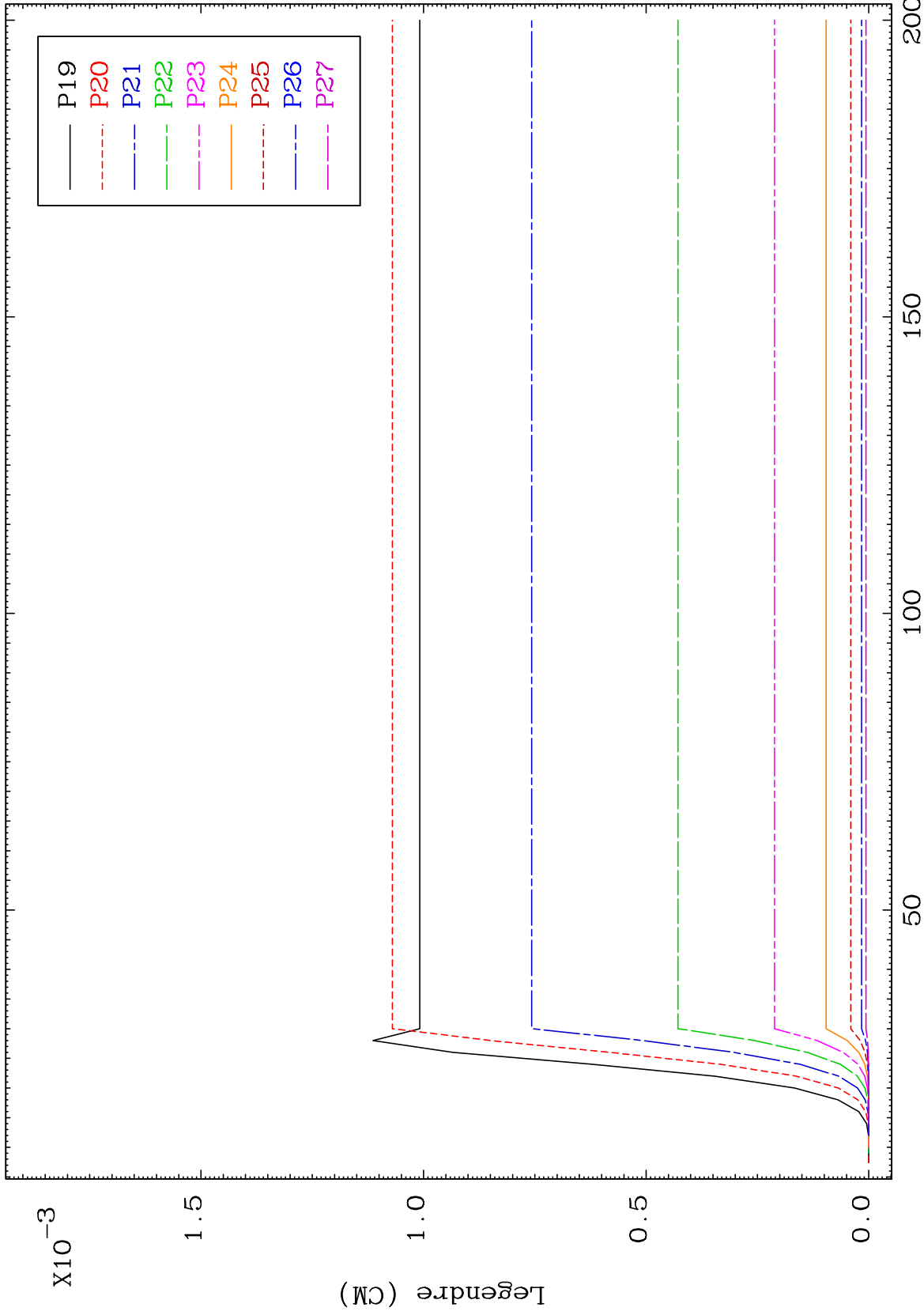


102 56-Ba-133

MAT 5634

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

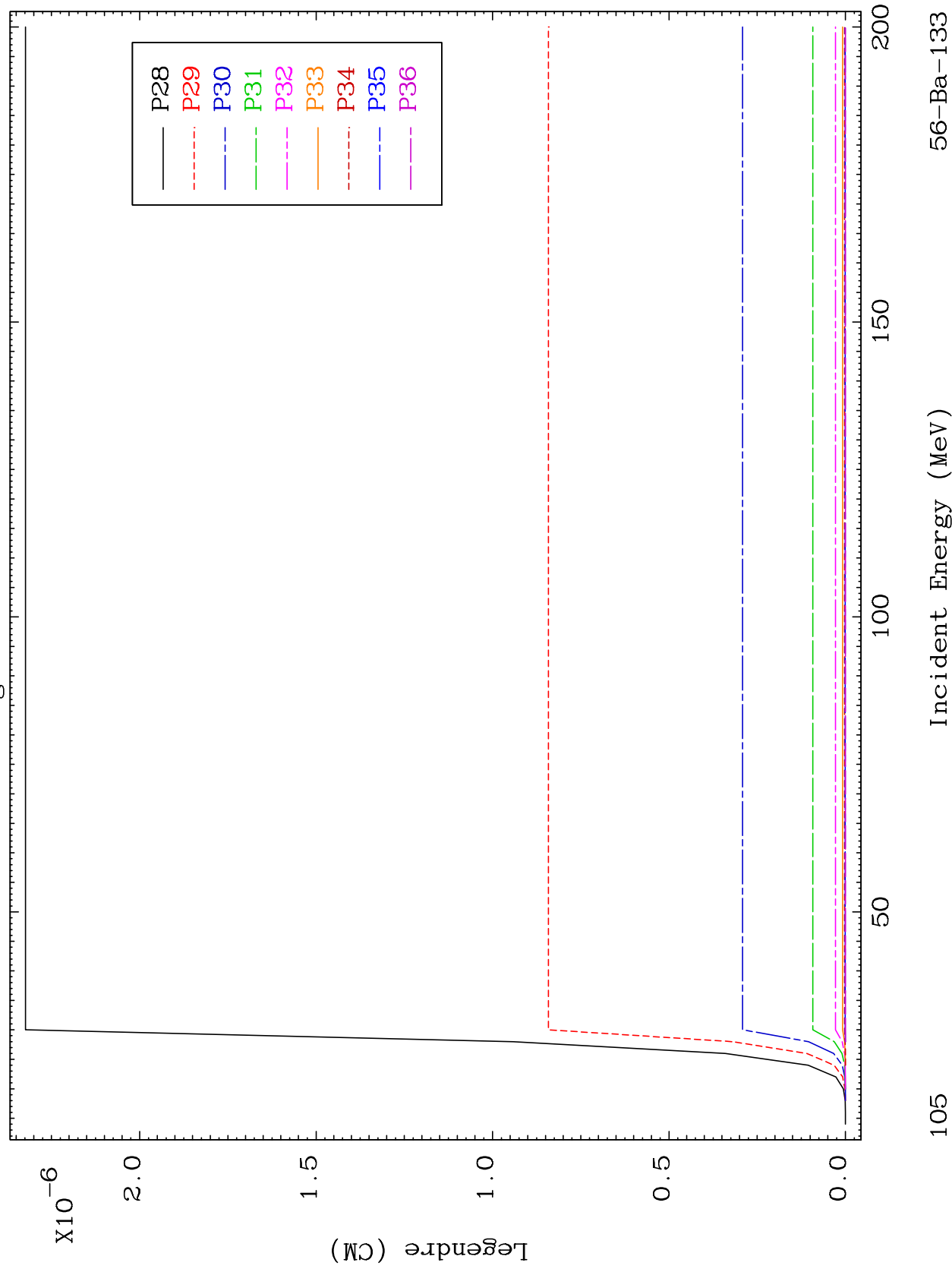
56-Ba-133



MAT 5634

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

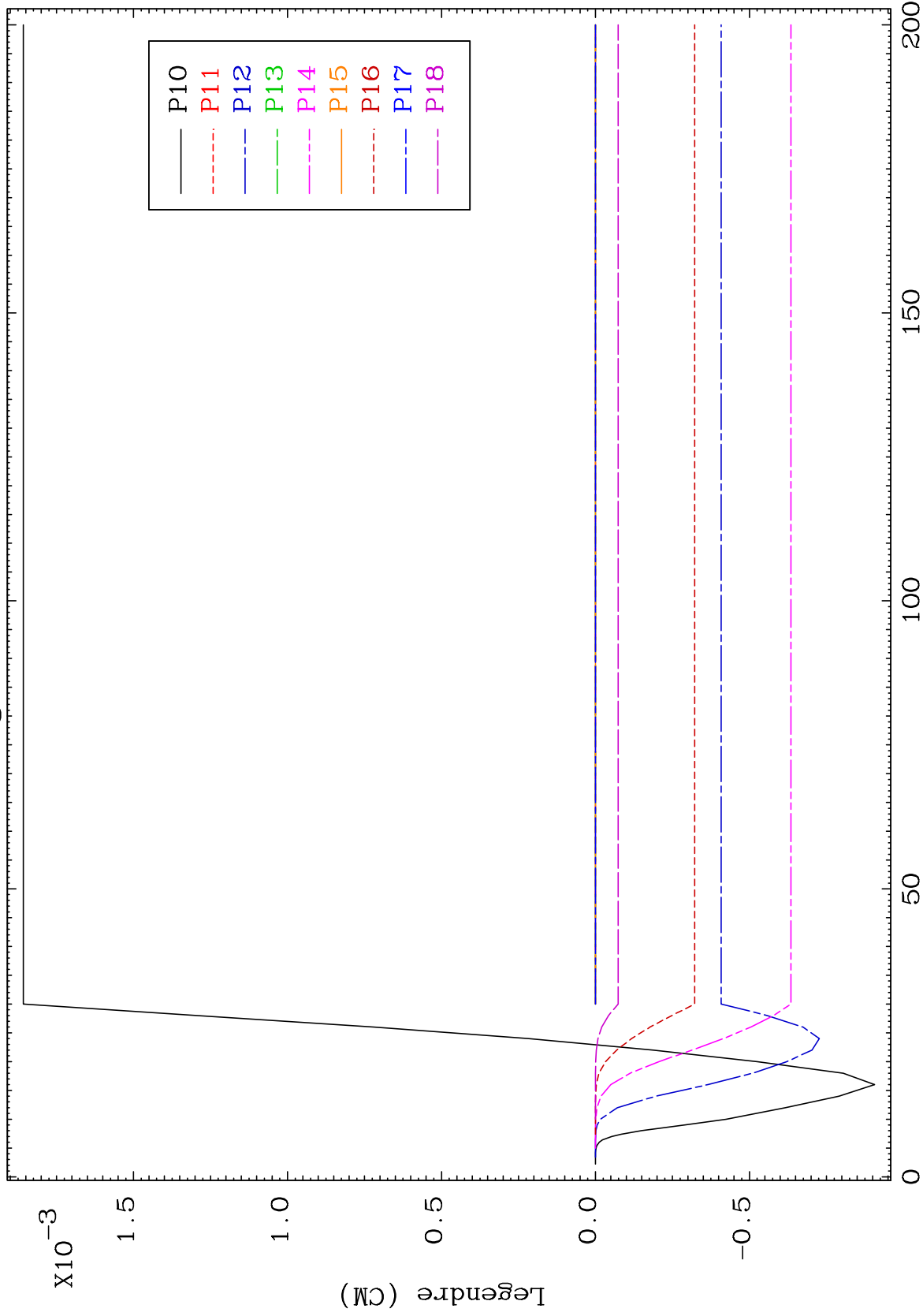
56-Ba-133



MAT 5634

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

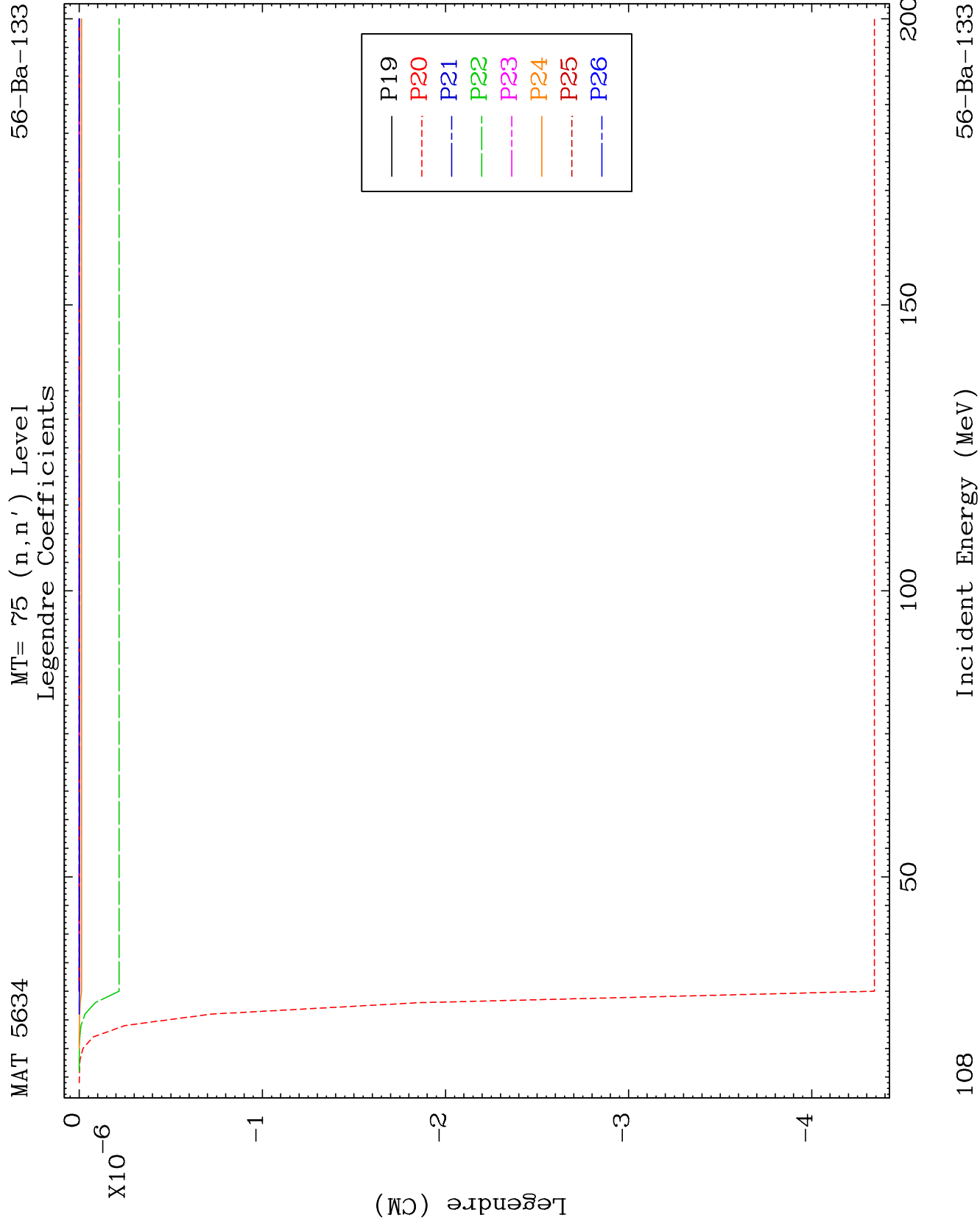
56-Ba-133

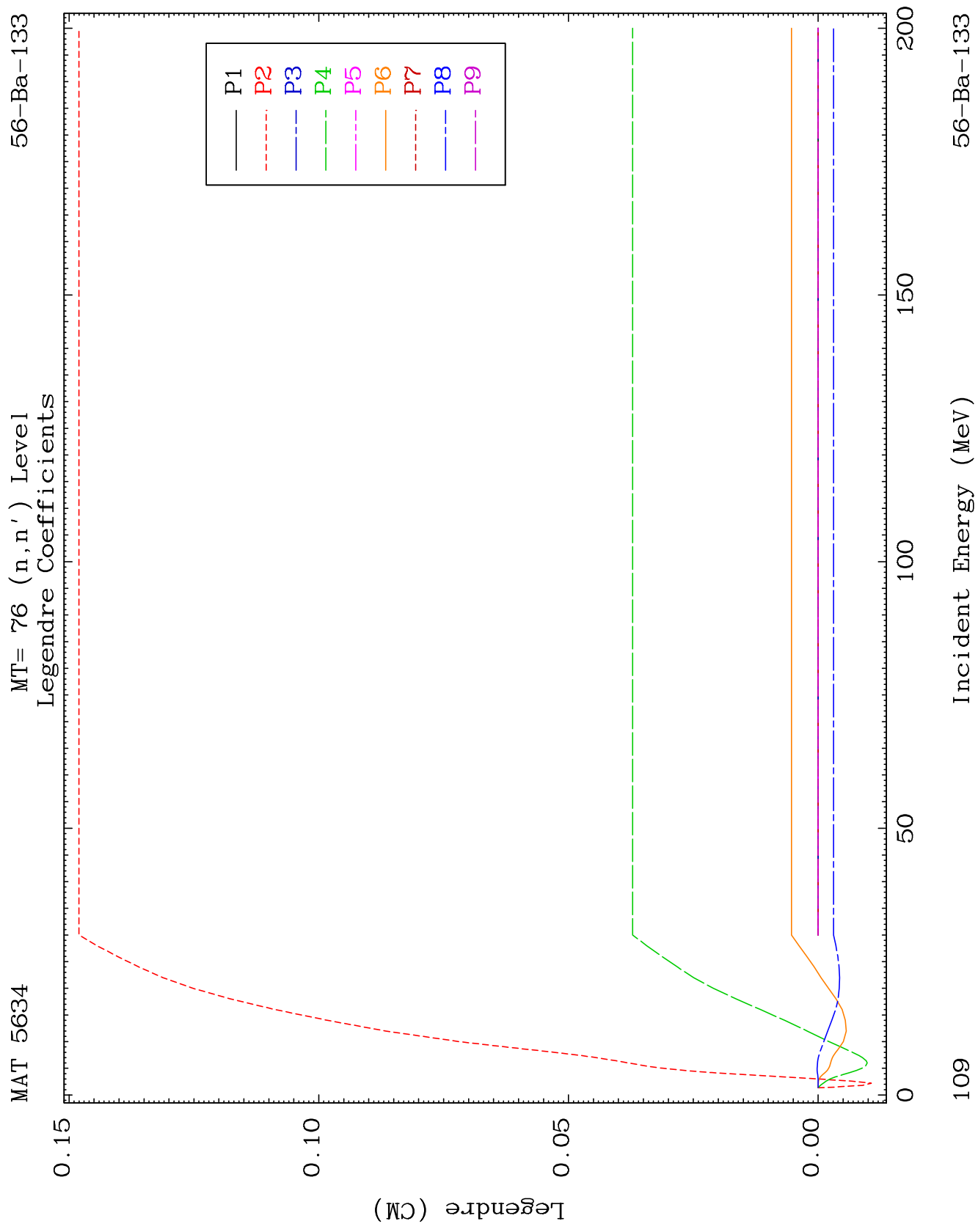


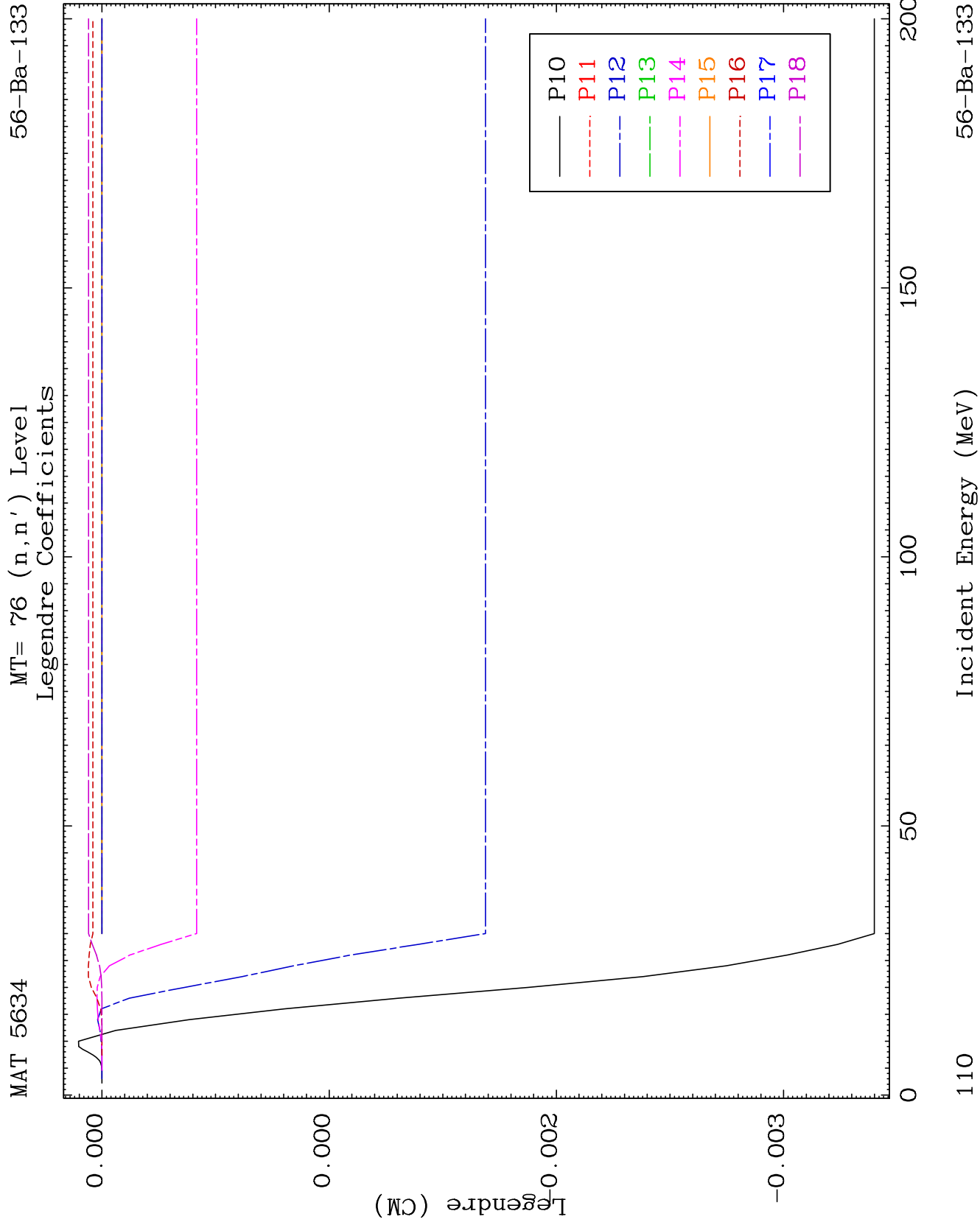
107

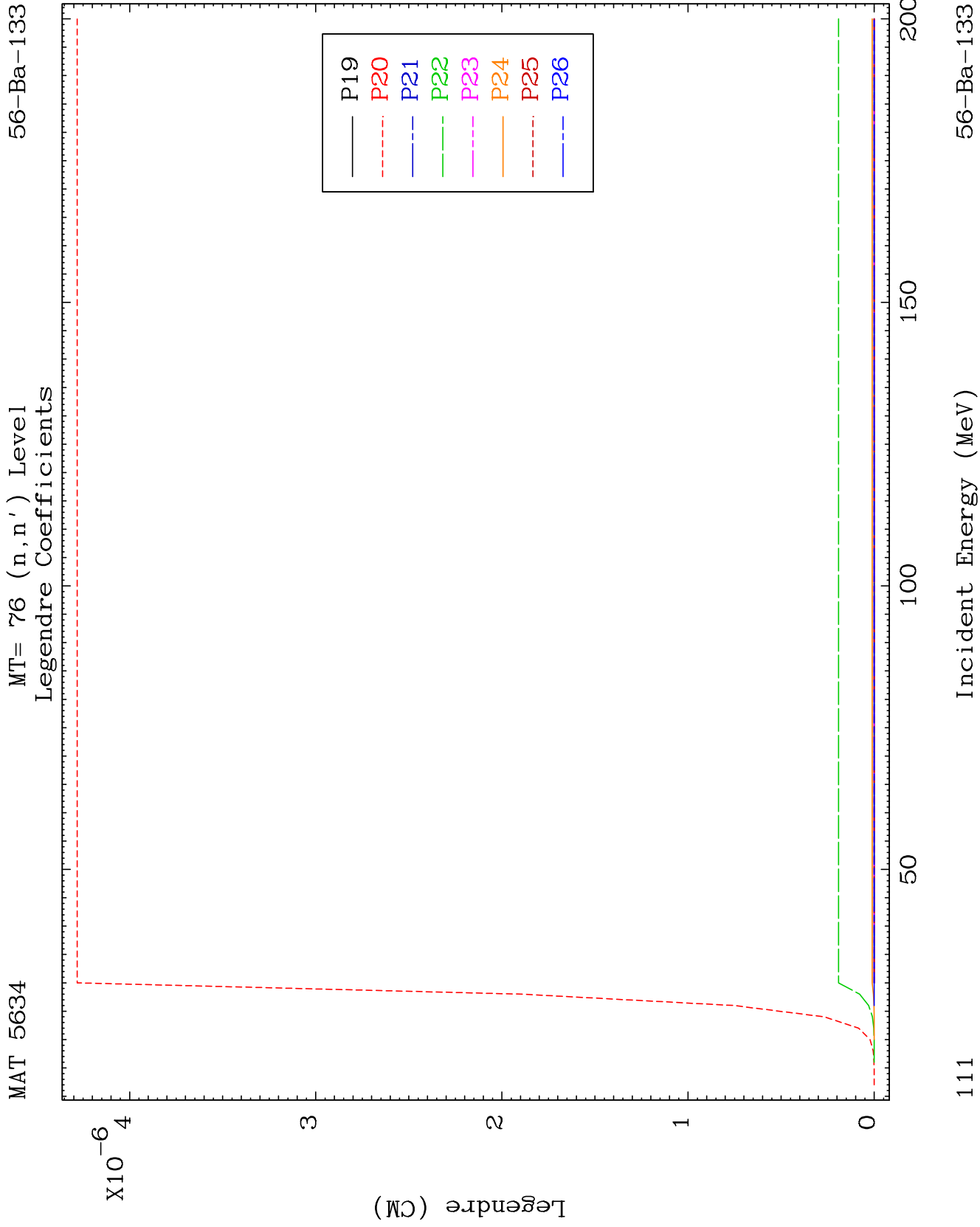
Incident Energy (MeV)

56-Ba-133





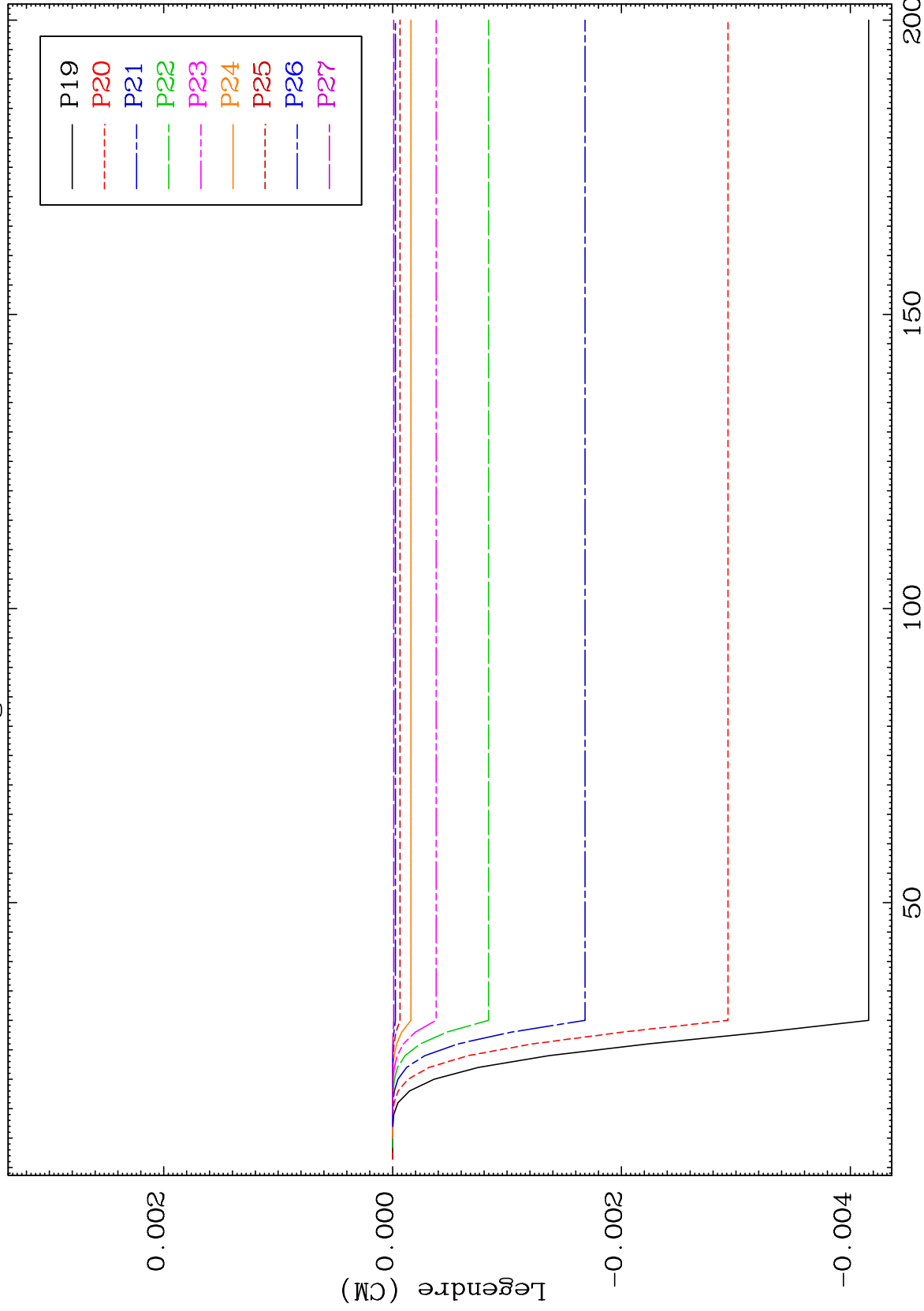




MAT 5634

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

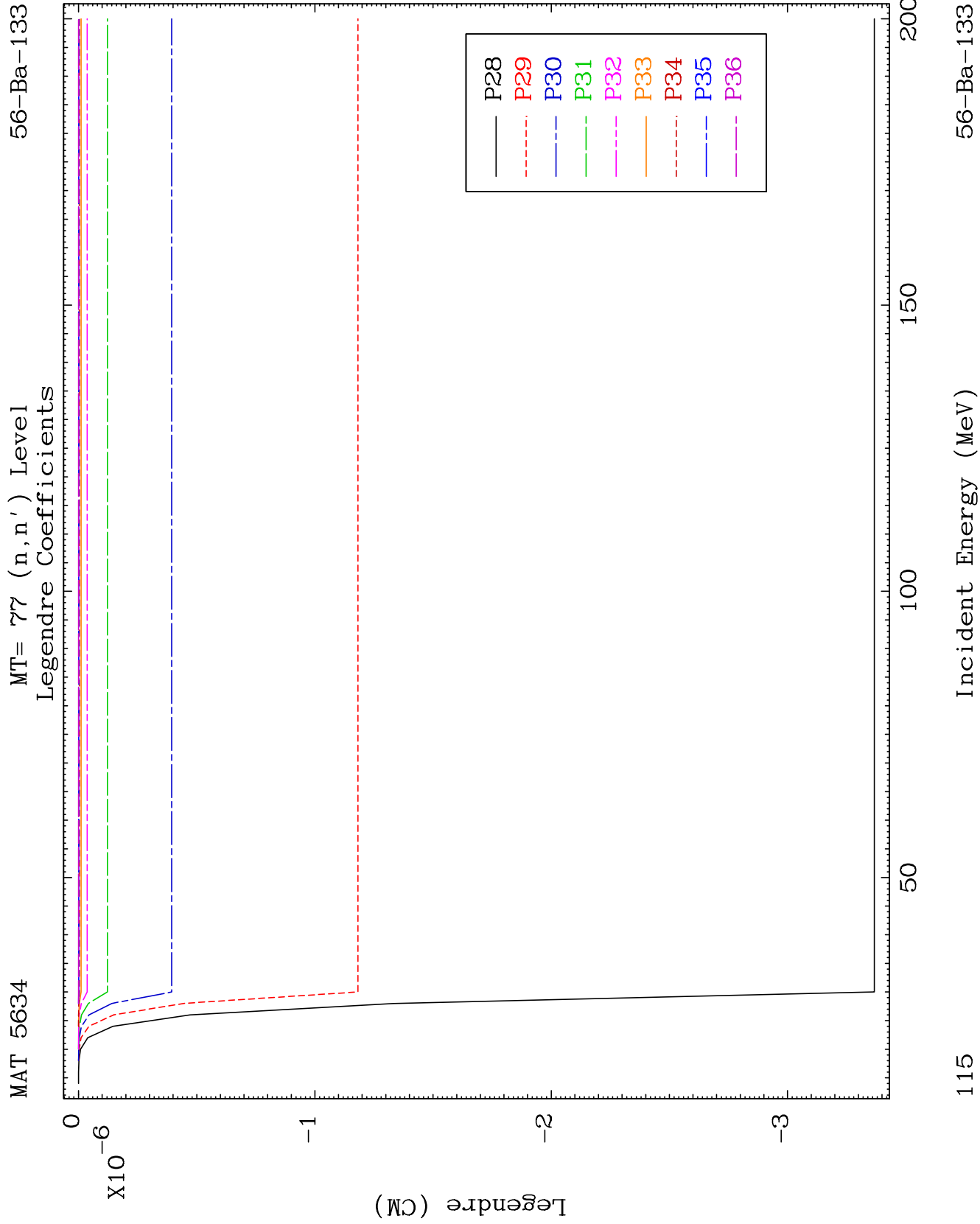
56-Ba-133



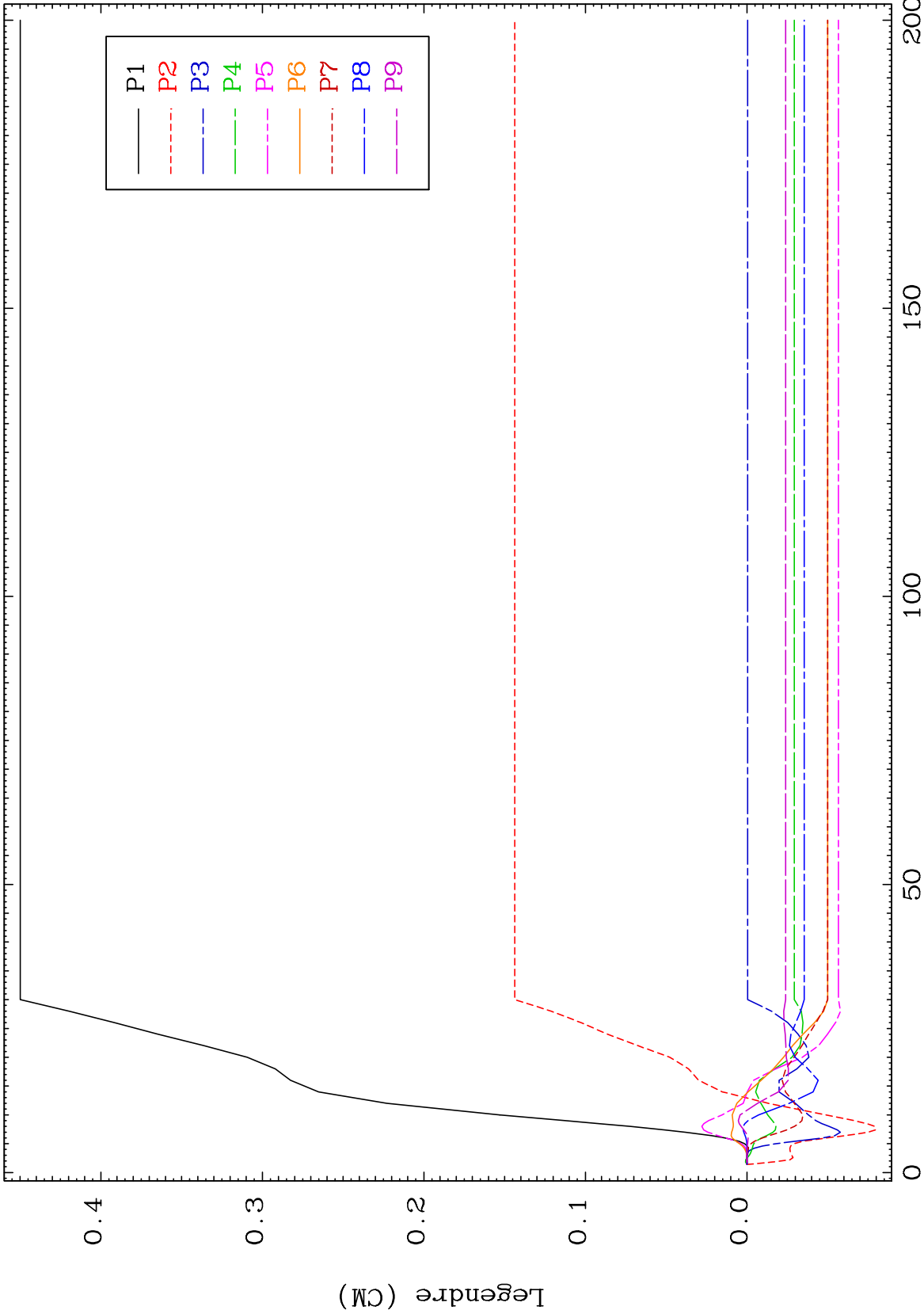
114

Incident Energy (MeV)

56-Ba-133

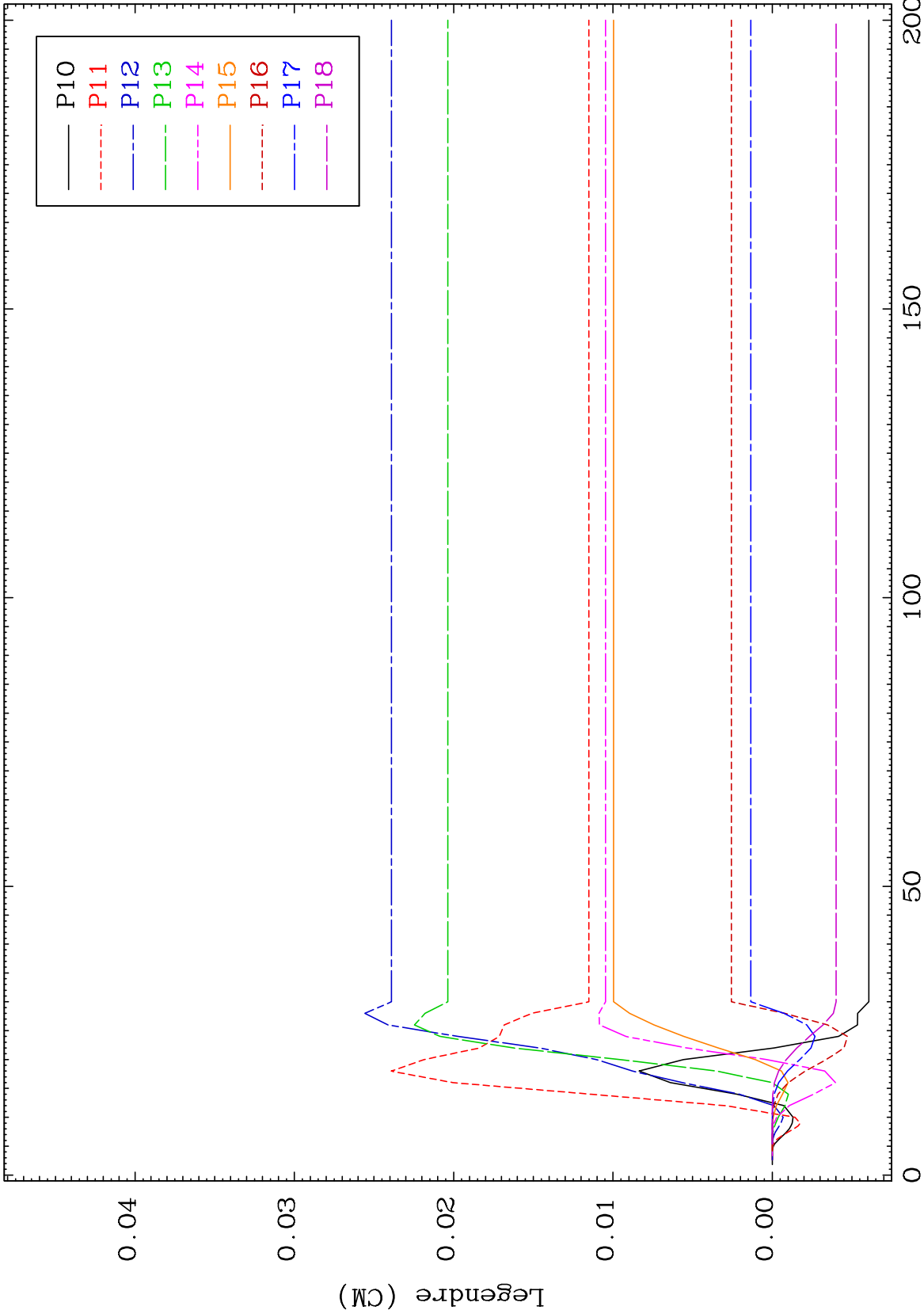


MAT 5634 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-133



116 56-Ba-133

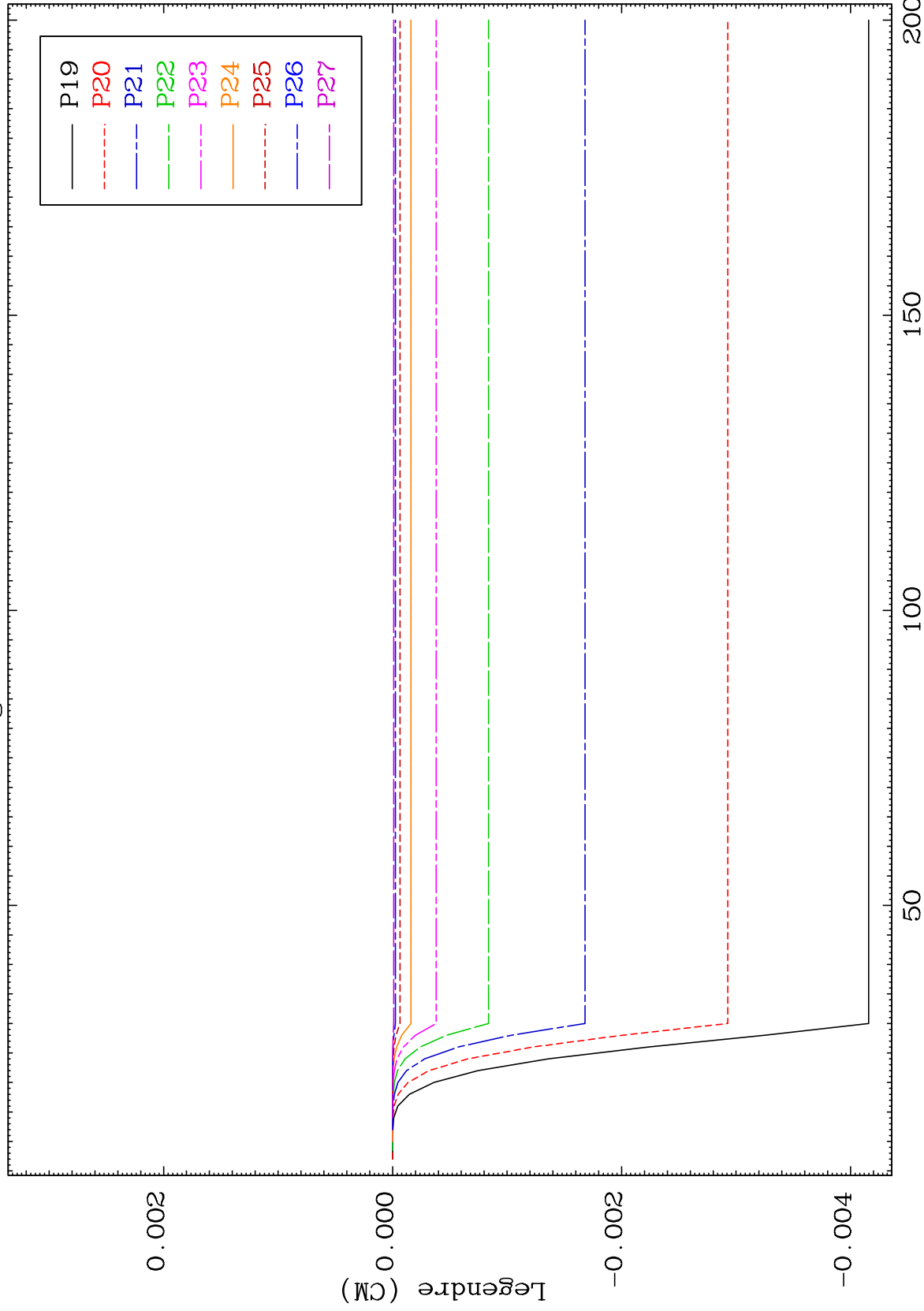
MAT 5634 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-133



MAT 5634

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

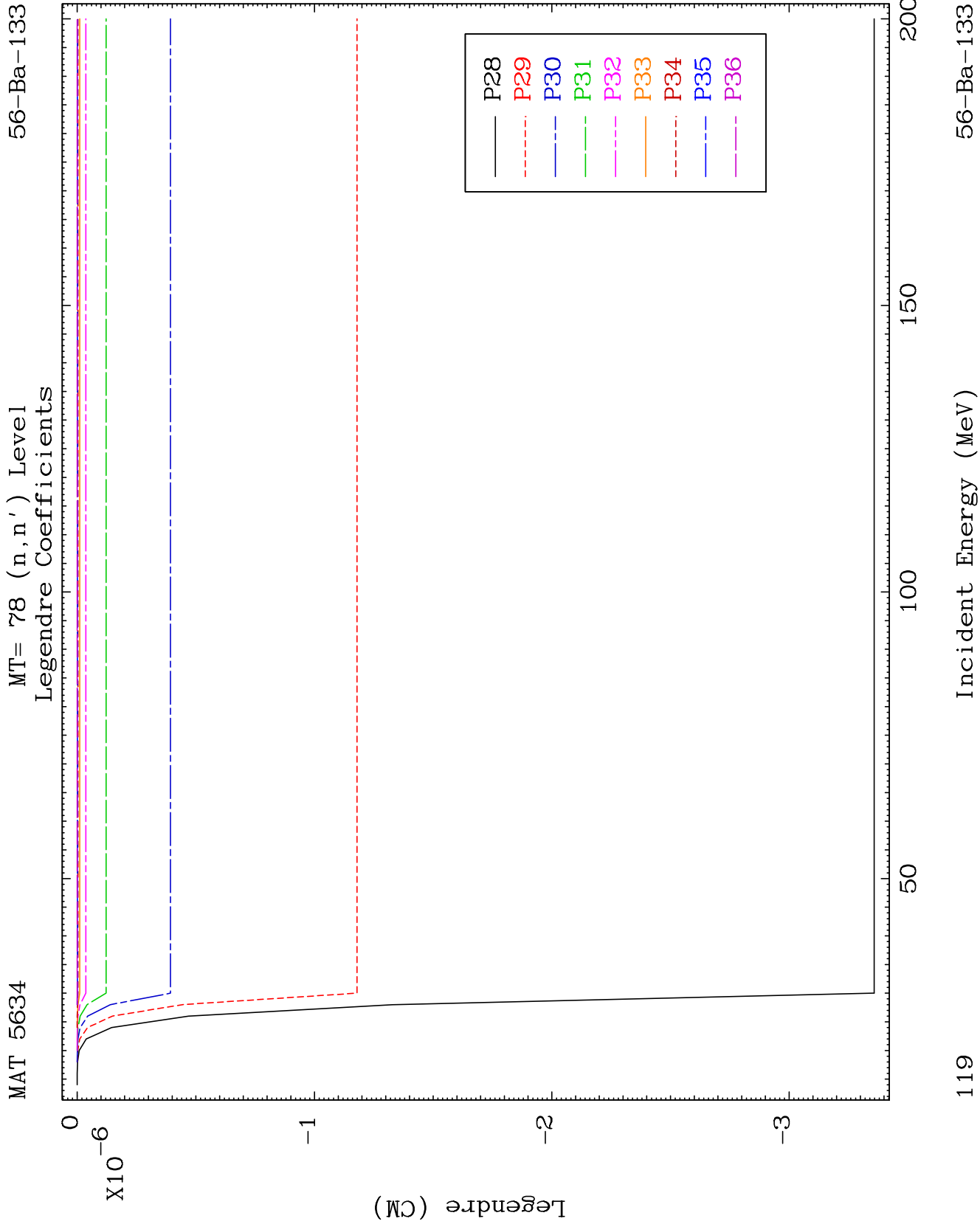
56-Ba-133



118

Incident Energy (MeV)

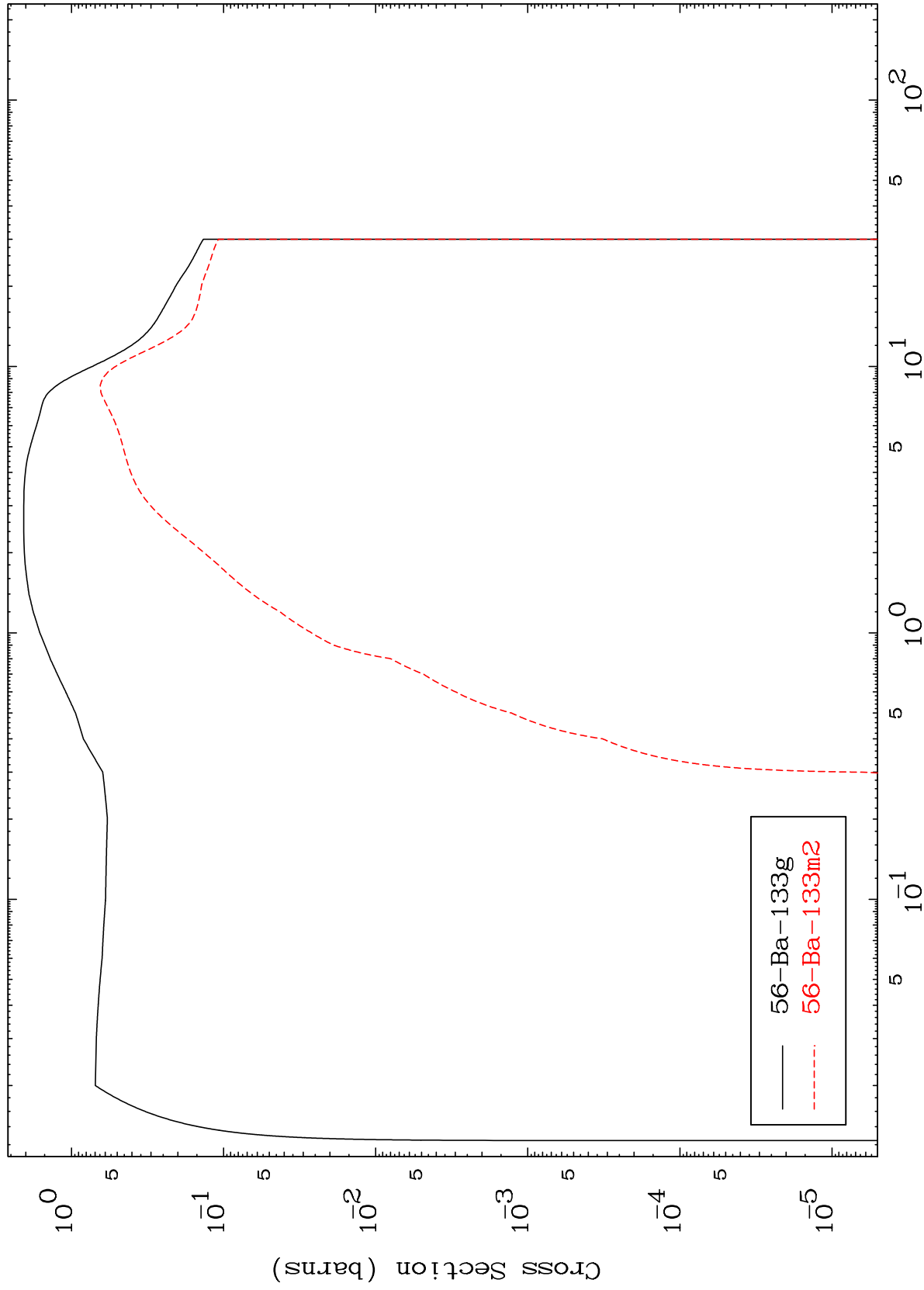
56-Ba-133



MAT 5634

56-Ba-133

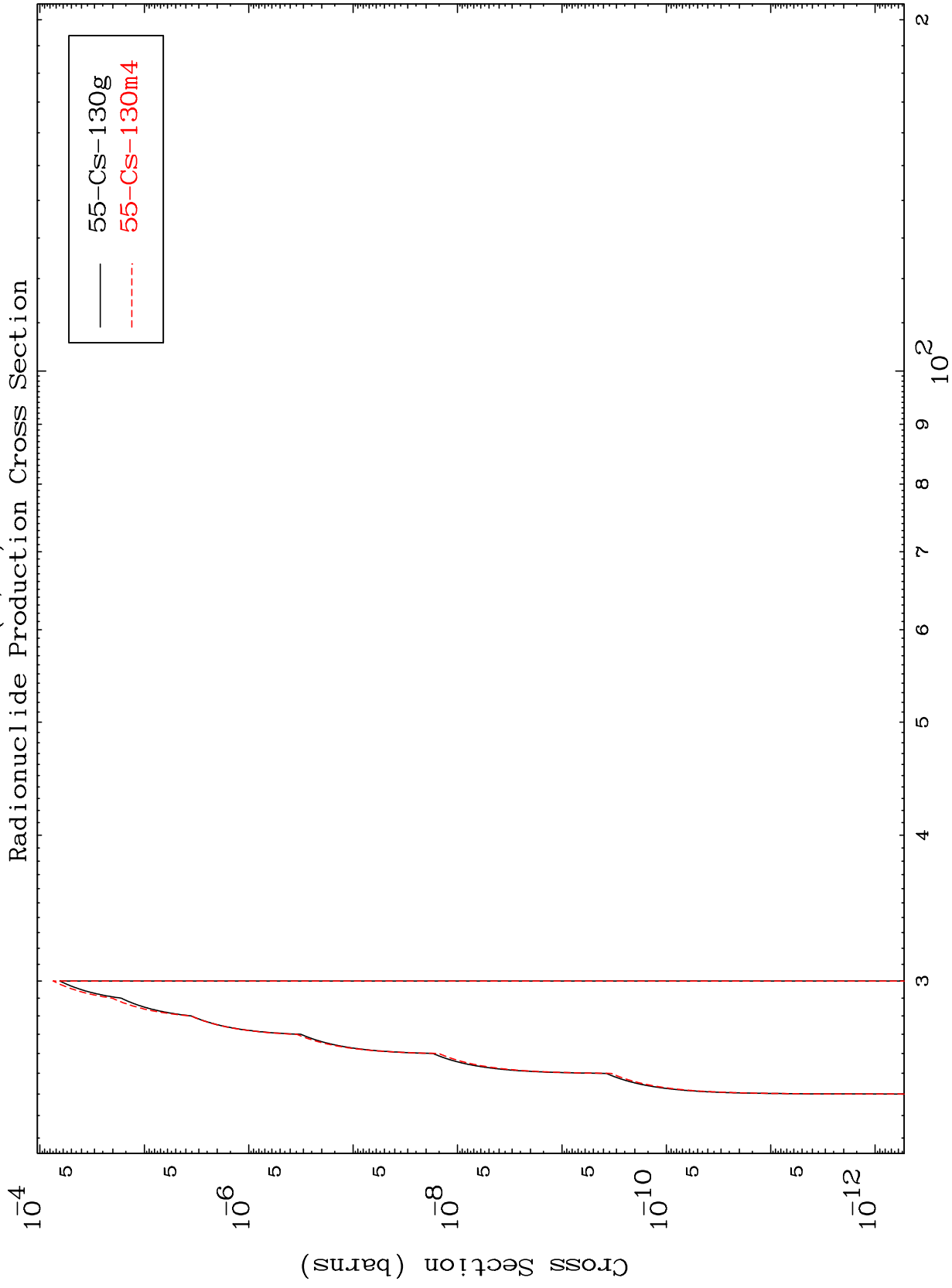
Inelastic
Radionuclide Production Cross Section



120

56-Ba-133

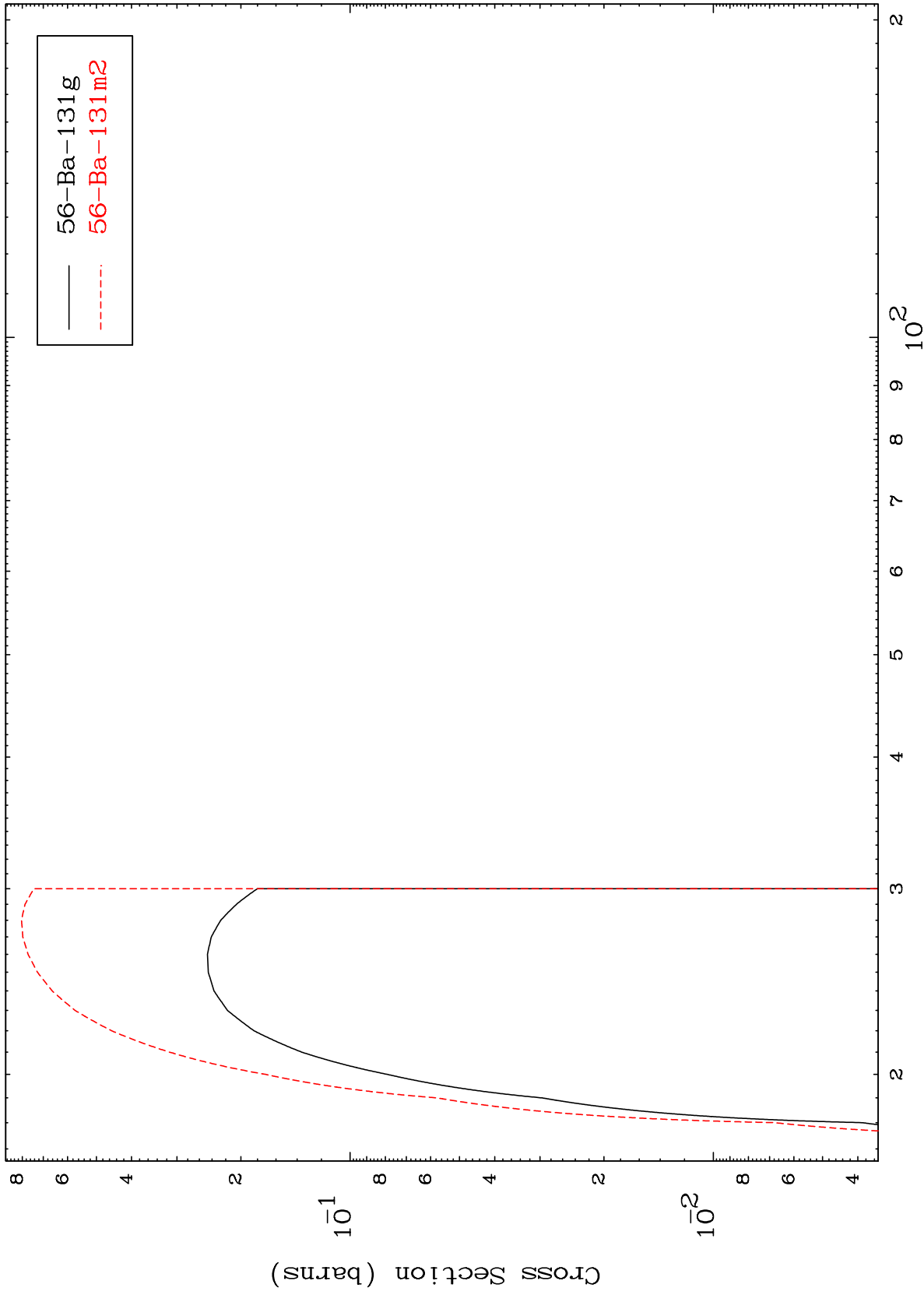
(n,2n) d
Radionuclide Production Cross Section



MAT 5634

56-Ba-133

(n,3n)
Radionuclide Production Cross Section

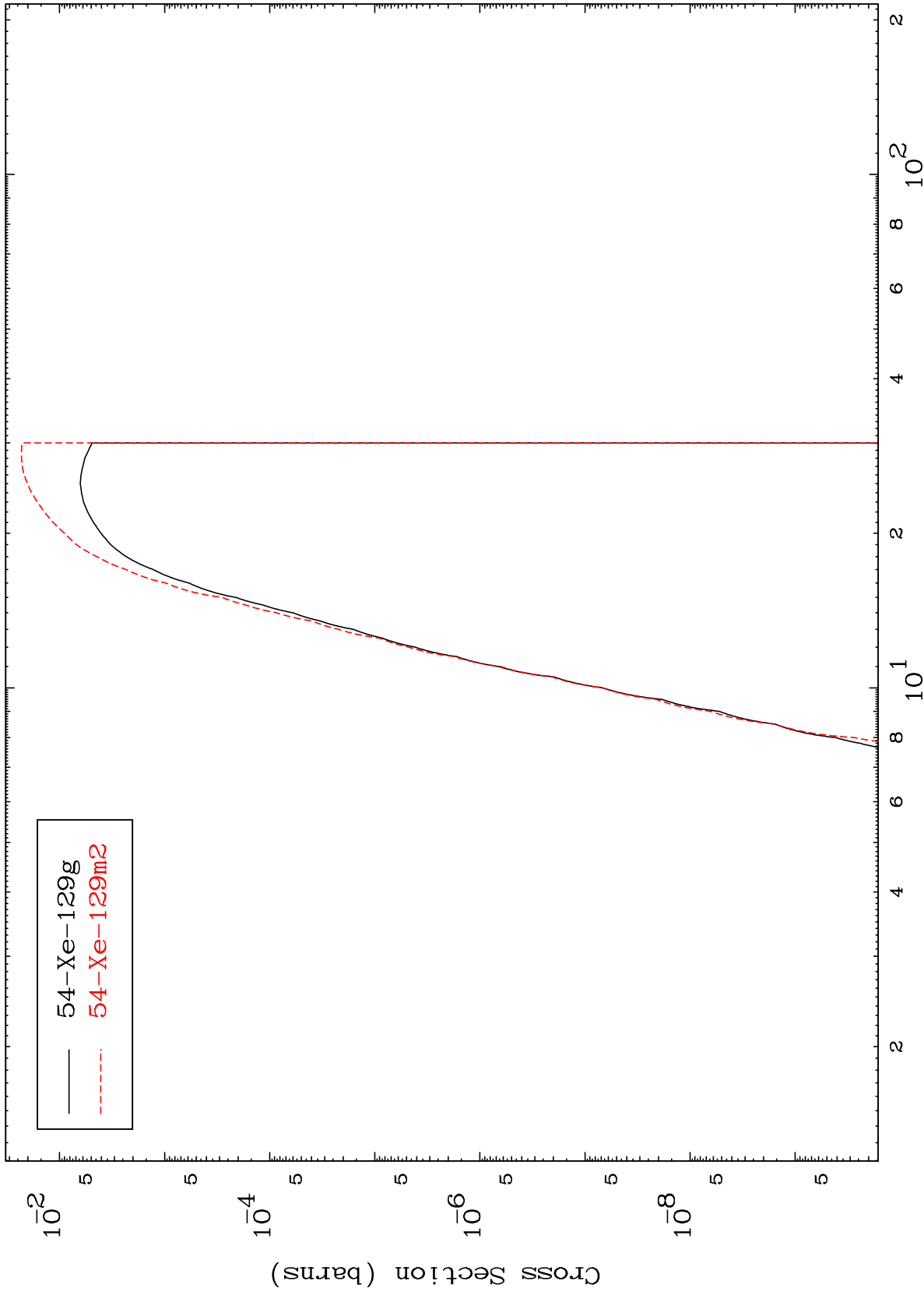


122

Incident Energy (MeV)

56-Ba-133

Radionuclide Production Cross Section
(n,n') α

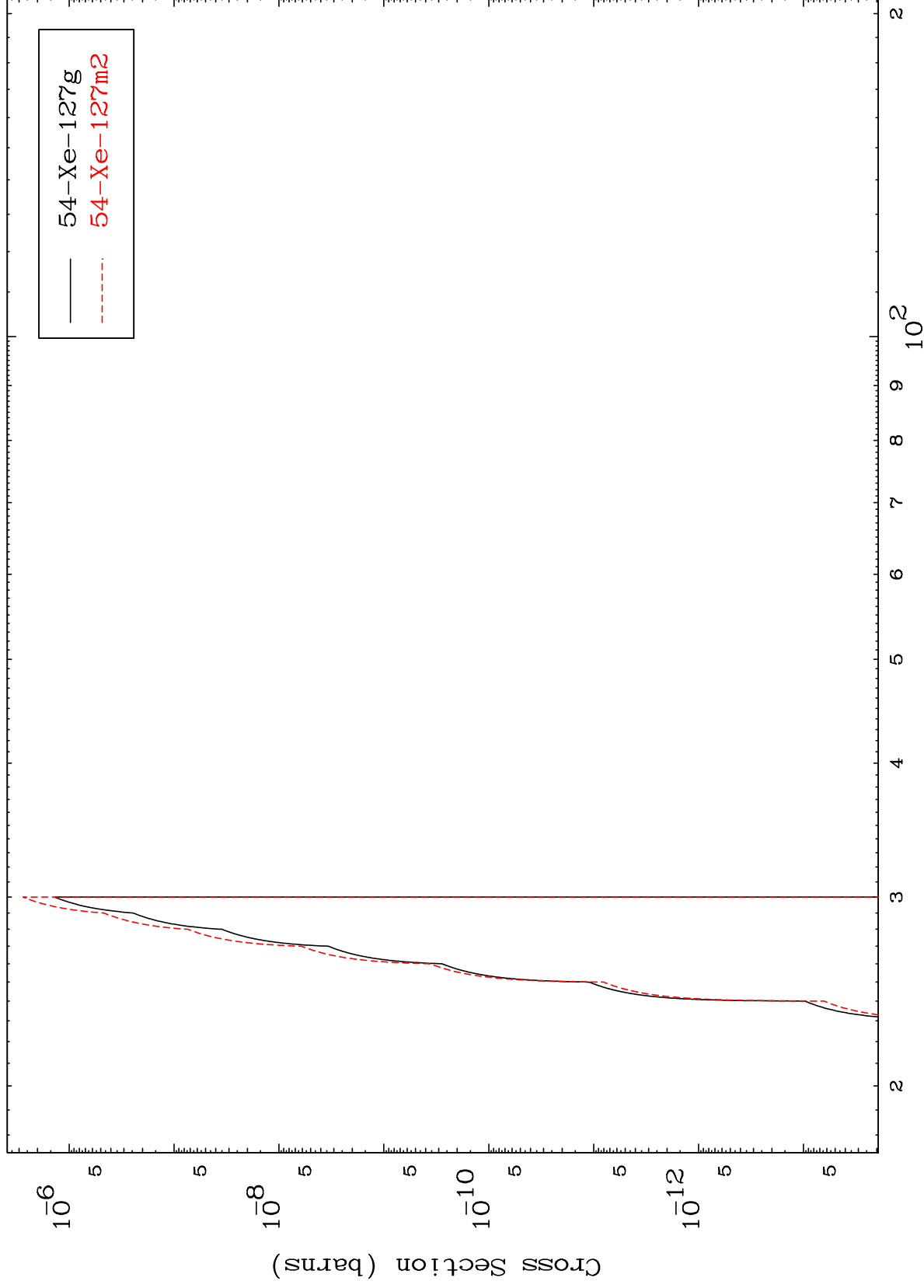


MAT 5634

$(n,3n) \alpha$

56-Ba-133

Radionuclide Production Cross Section



124

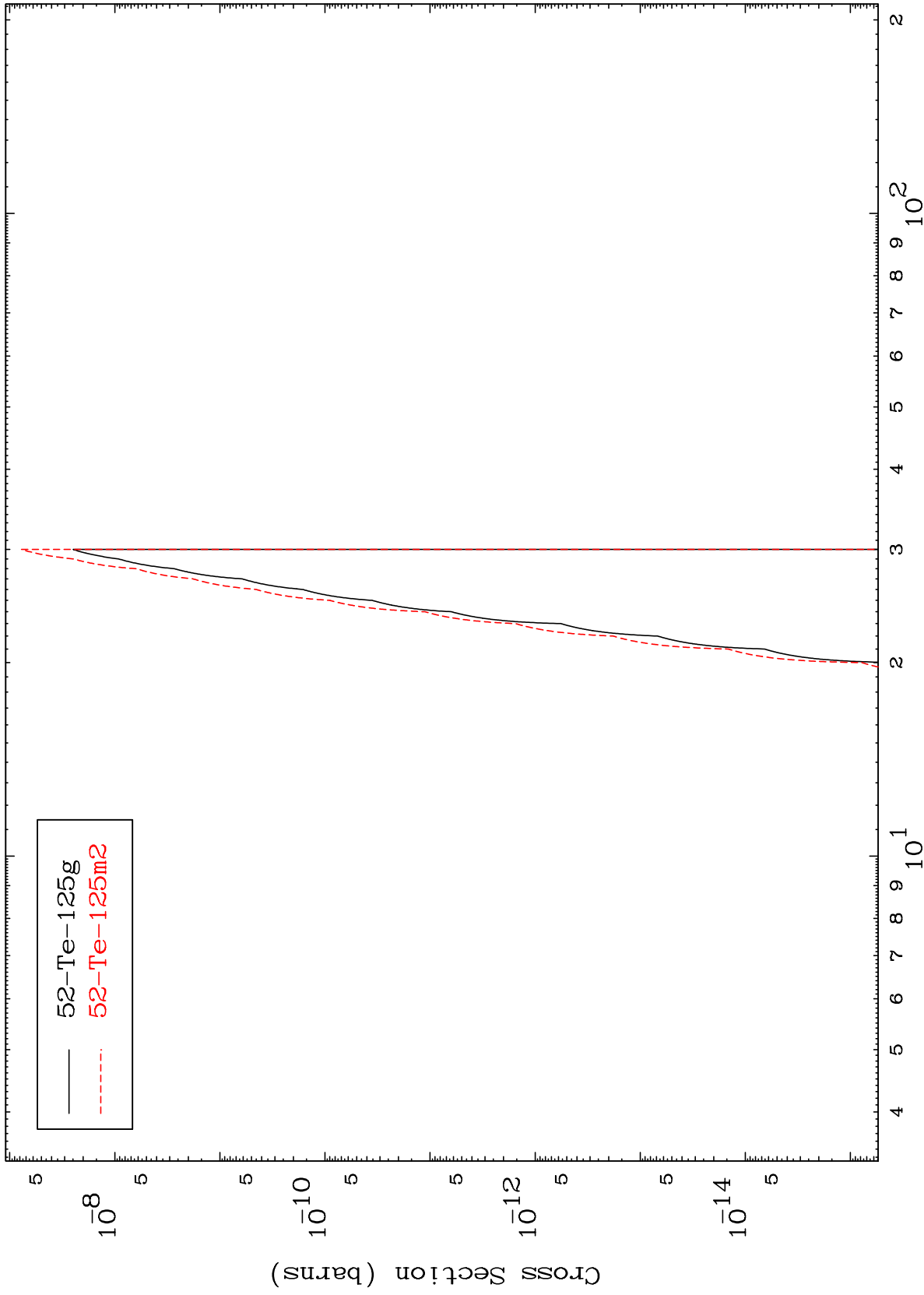
Incident Energy (MeV)

56-Ba-133

MAT 5634

56-Ba-133

(n,n') 2 α
Radionuclide Production Cross Section



125

Incident Energy (MeV)

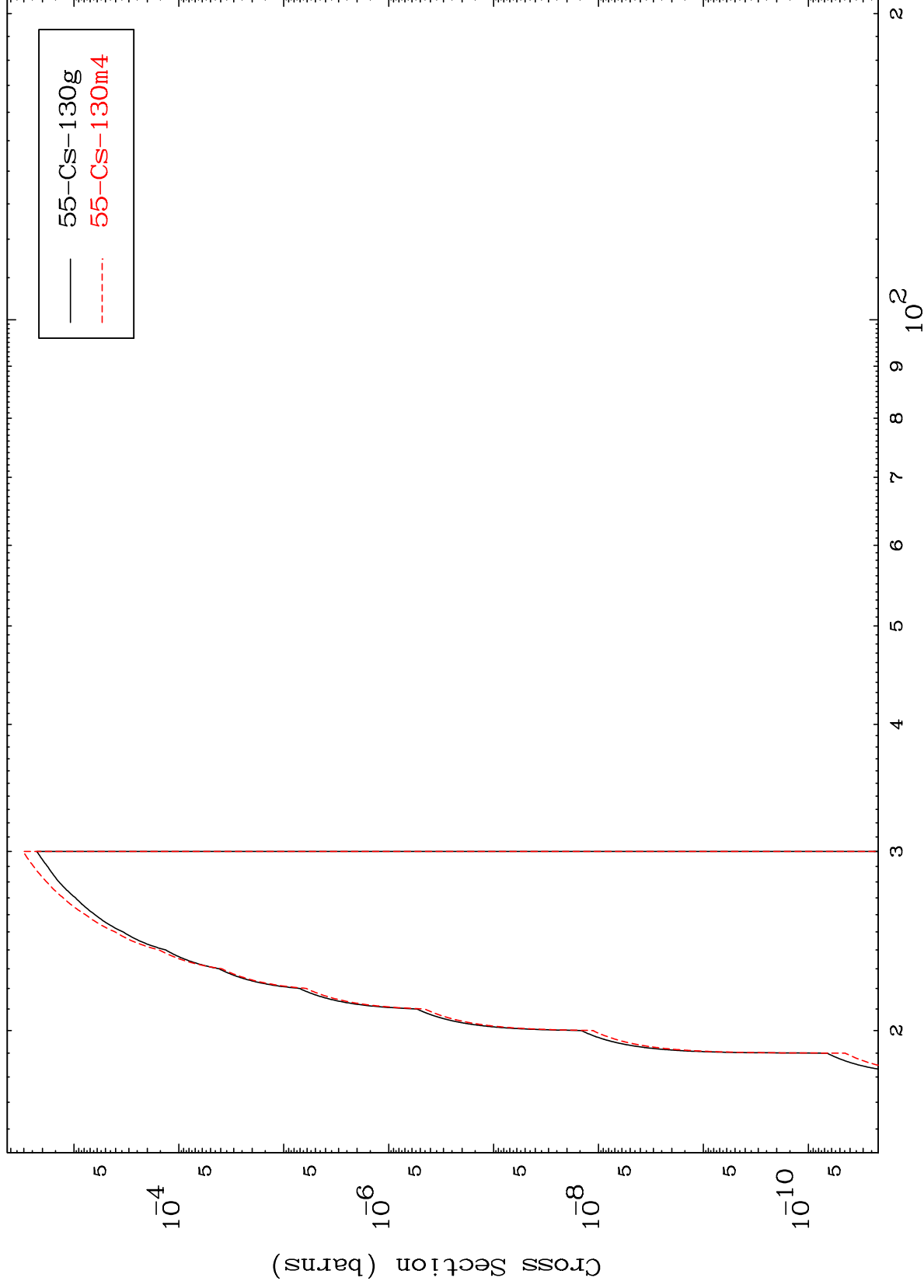
56-Ba-133

MAT 5634

(n,n') t

56-Ba-133

Radionuclide Production Cross Section



126

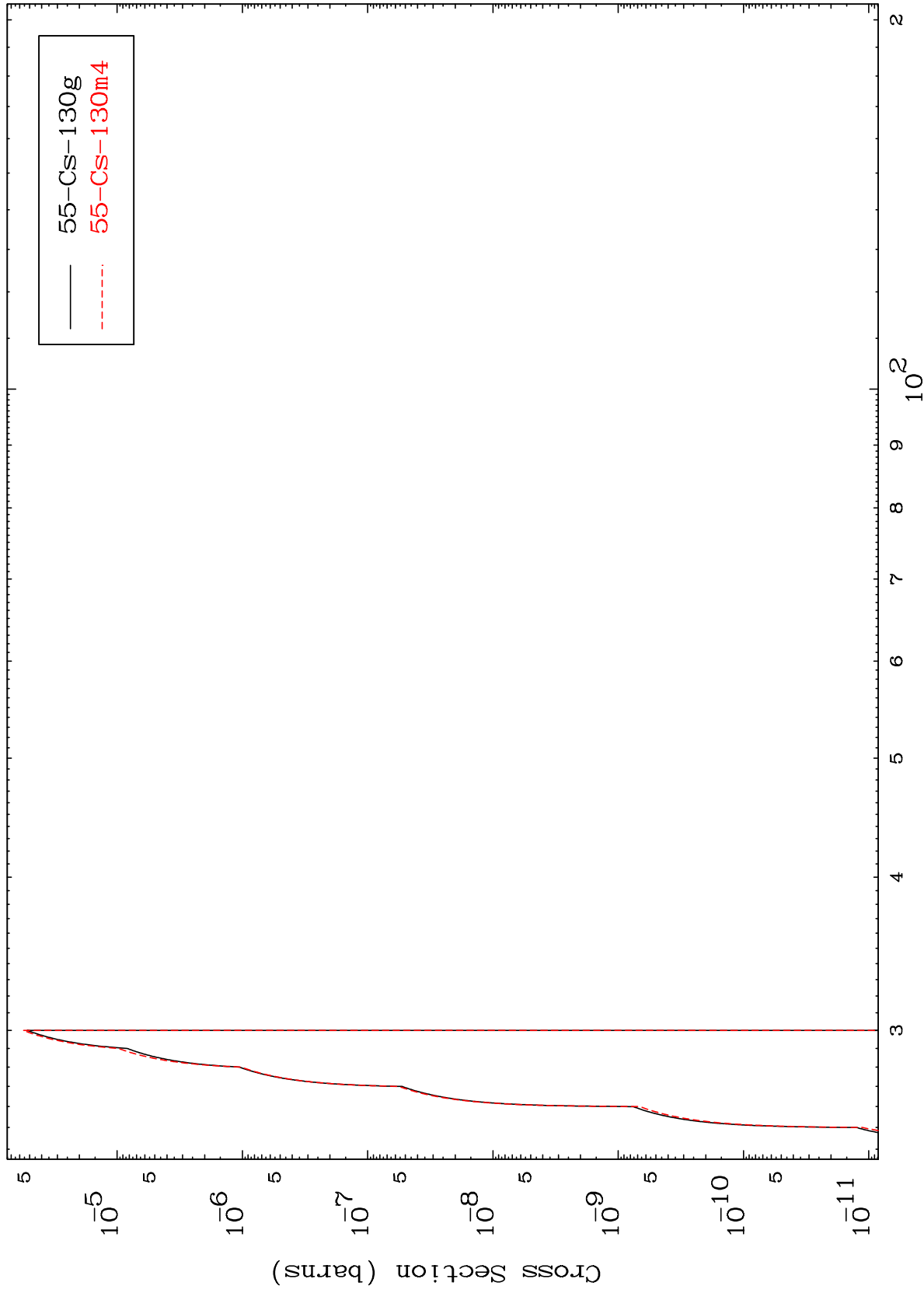
Incident Energy (MeV)

56-Ba-133

MAT 5634

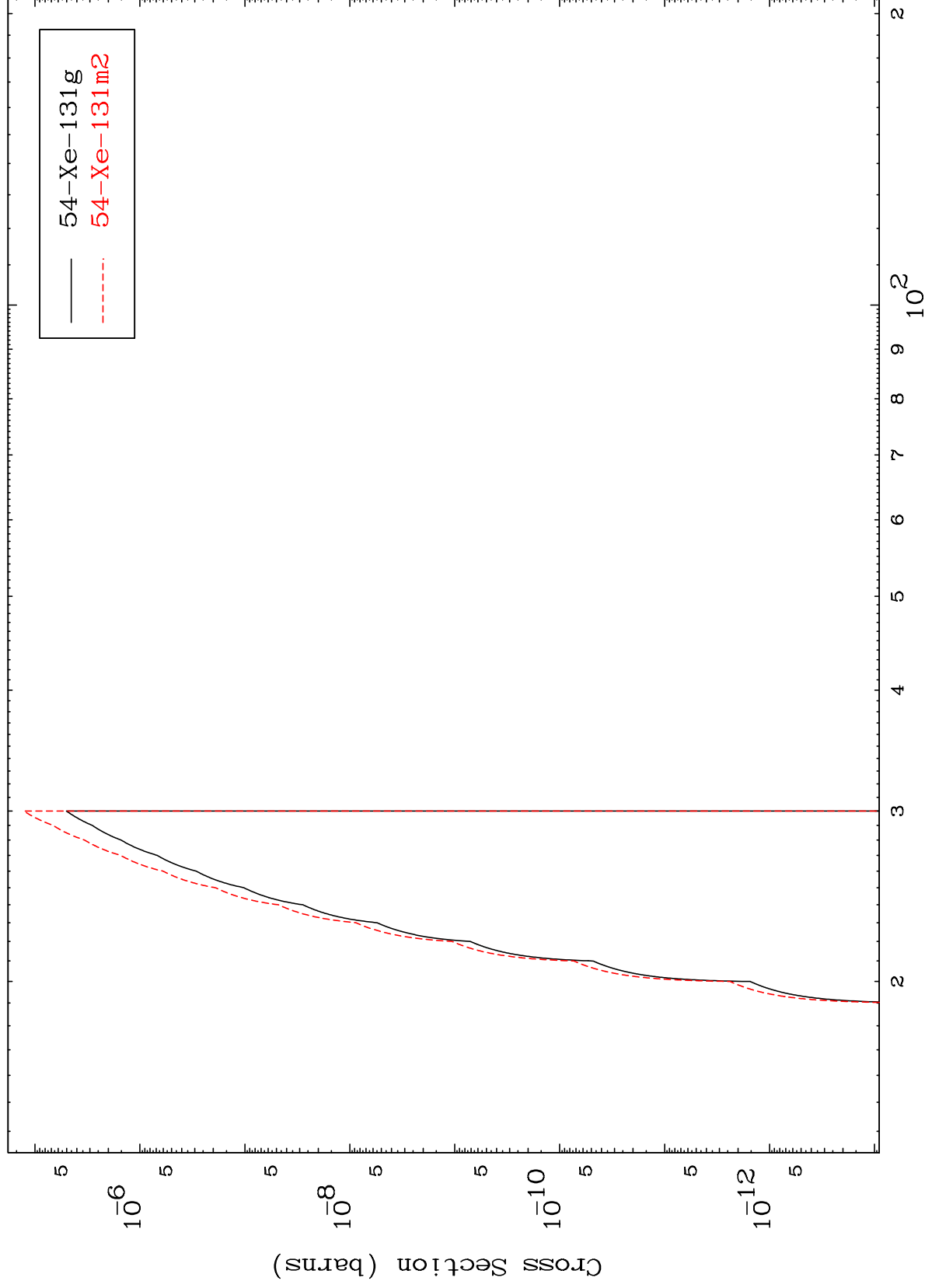
56-Ba-133

(n,3n) p
Radionuclide Production Cross Section



127

56-Ba-133

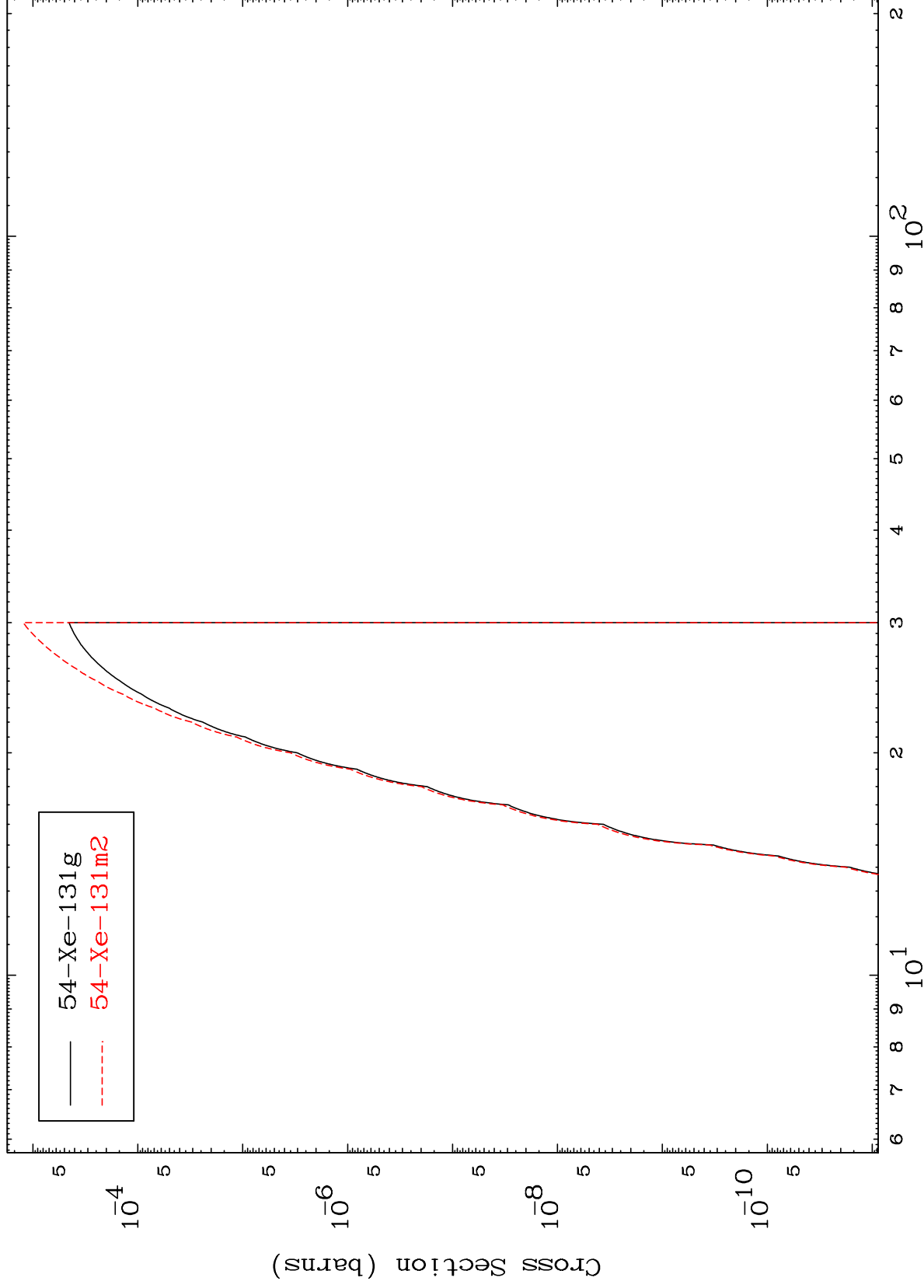


MAT 5634

(n,He-3)

56-Ba-133

Radionuclide Production Cross Section



129

Incident Energy (MeV)

56-Ba-133

