

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

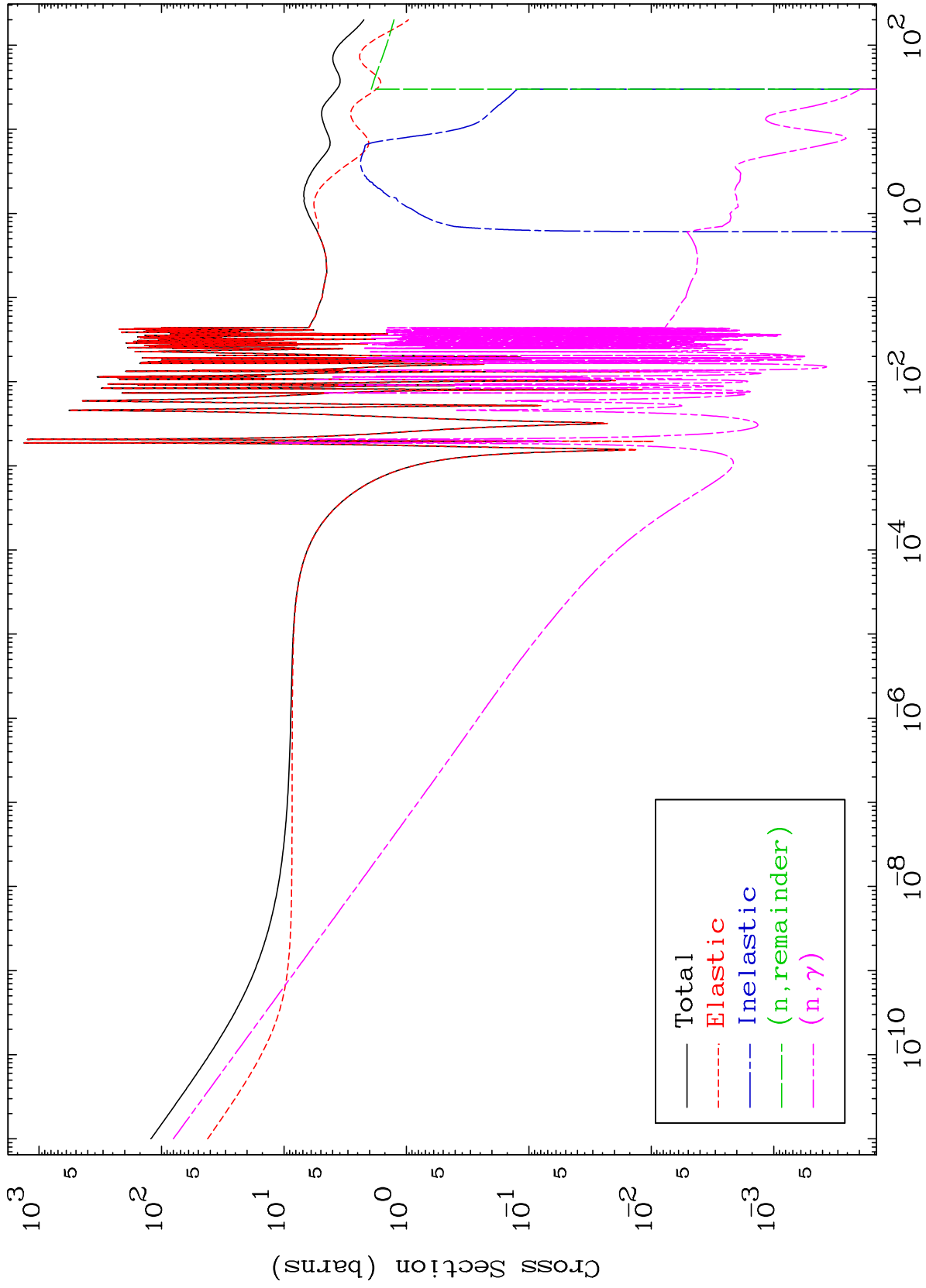
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5655

Major
293 Kelvin Cross Sections

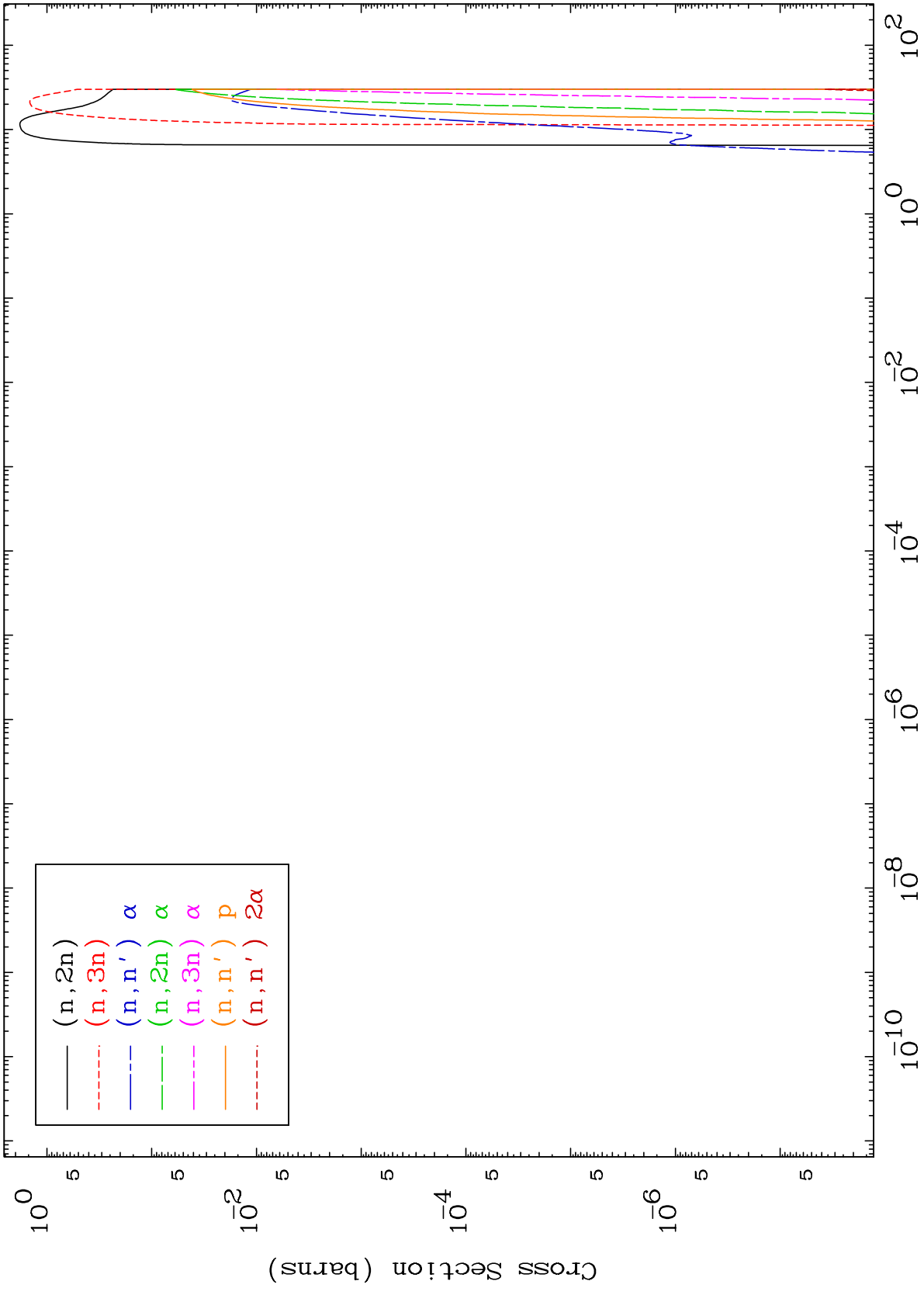
56-Ba-140



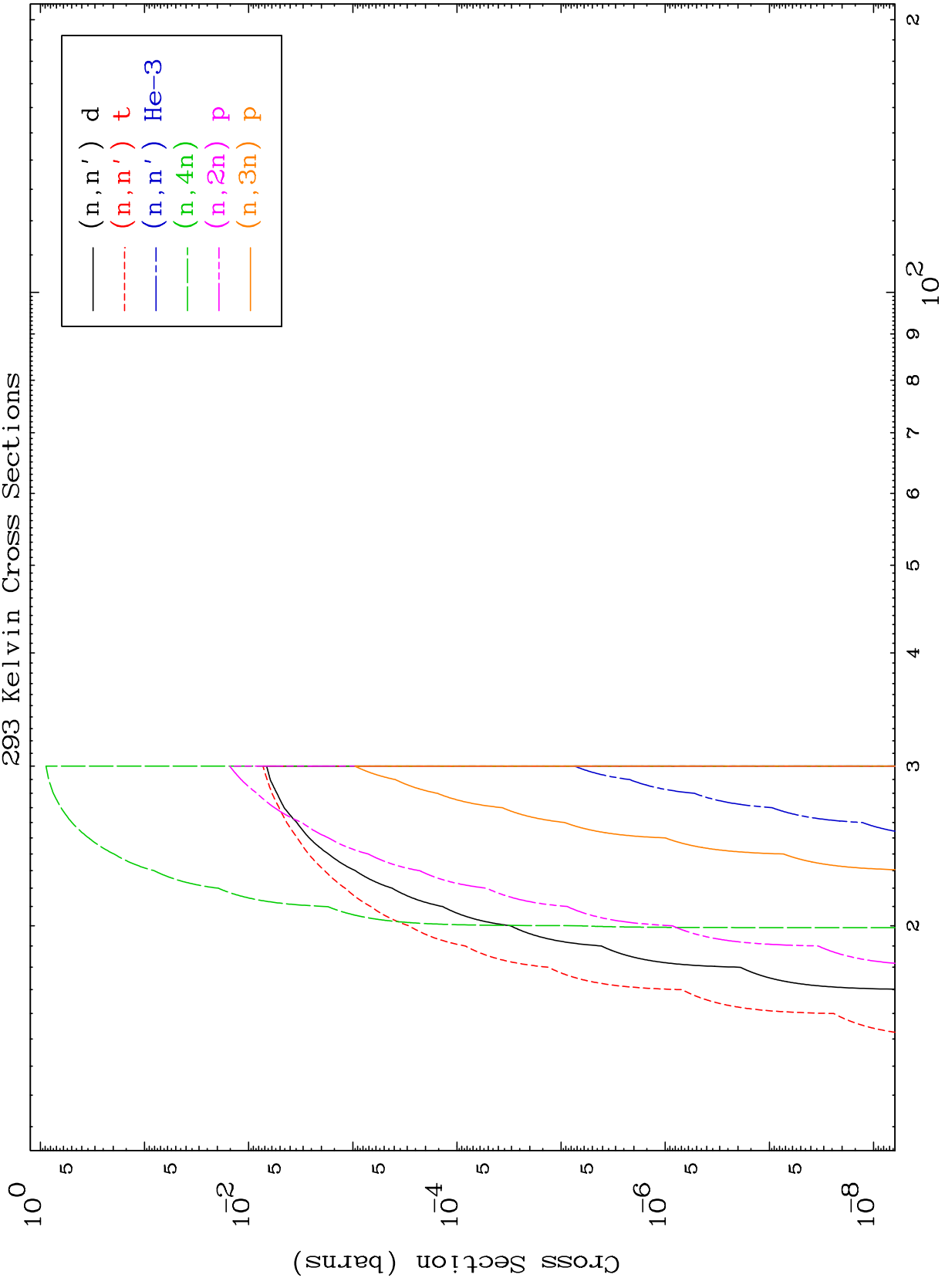
MAT 5655

Neutron Production
293 Kelvin Cross Sections

56-Ba-140



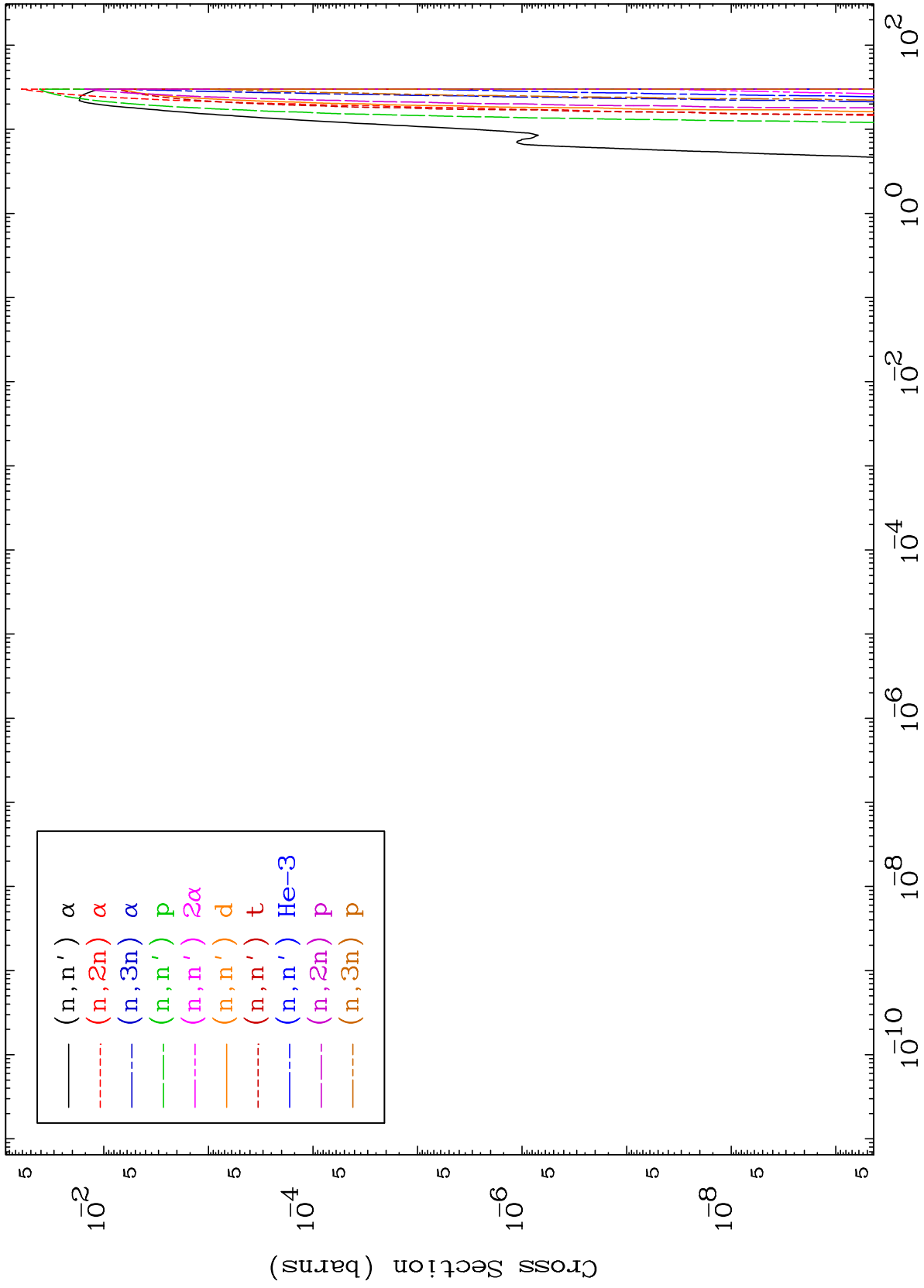
56-Ba-140



MAT 5655

Charged Particle
293 Kelvin Cross Sections

56-Ba-140

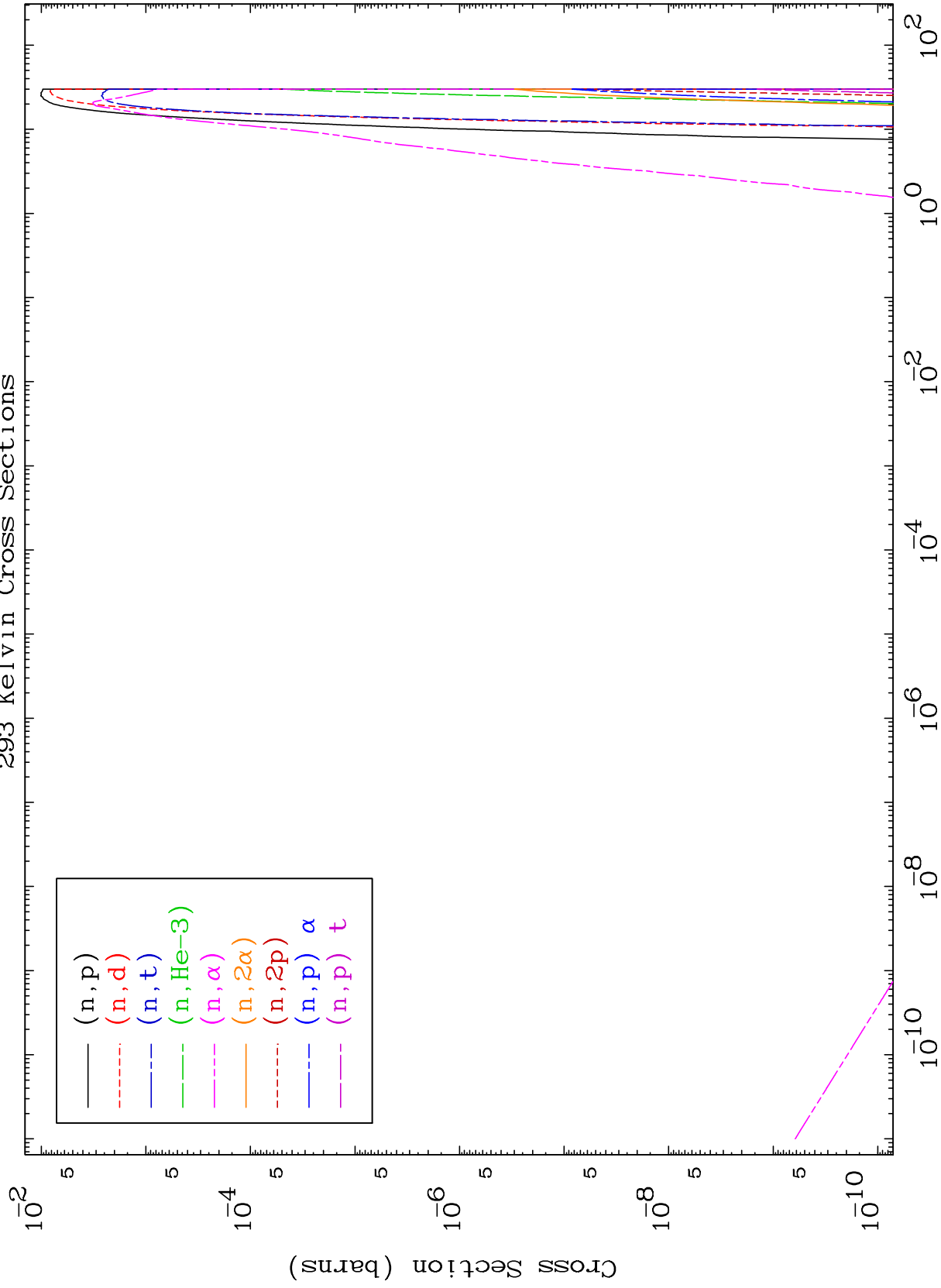


56-Ba-140

MAT 5655

293 Kelvin Cross Sections

56-Ba-140



5

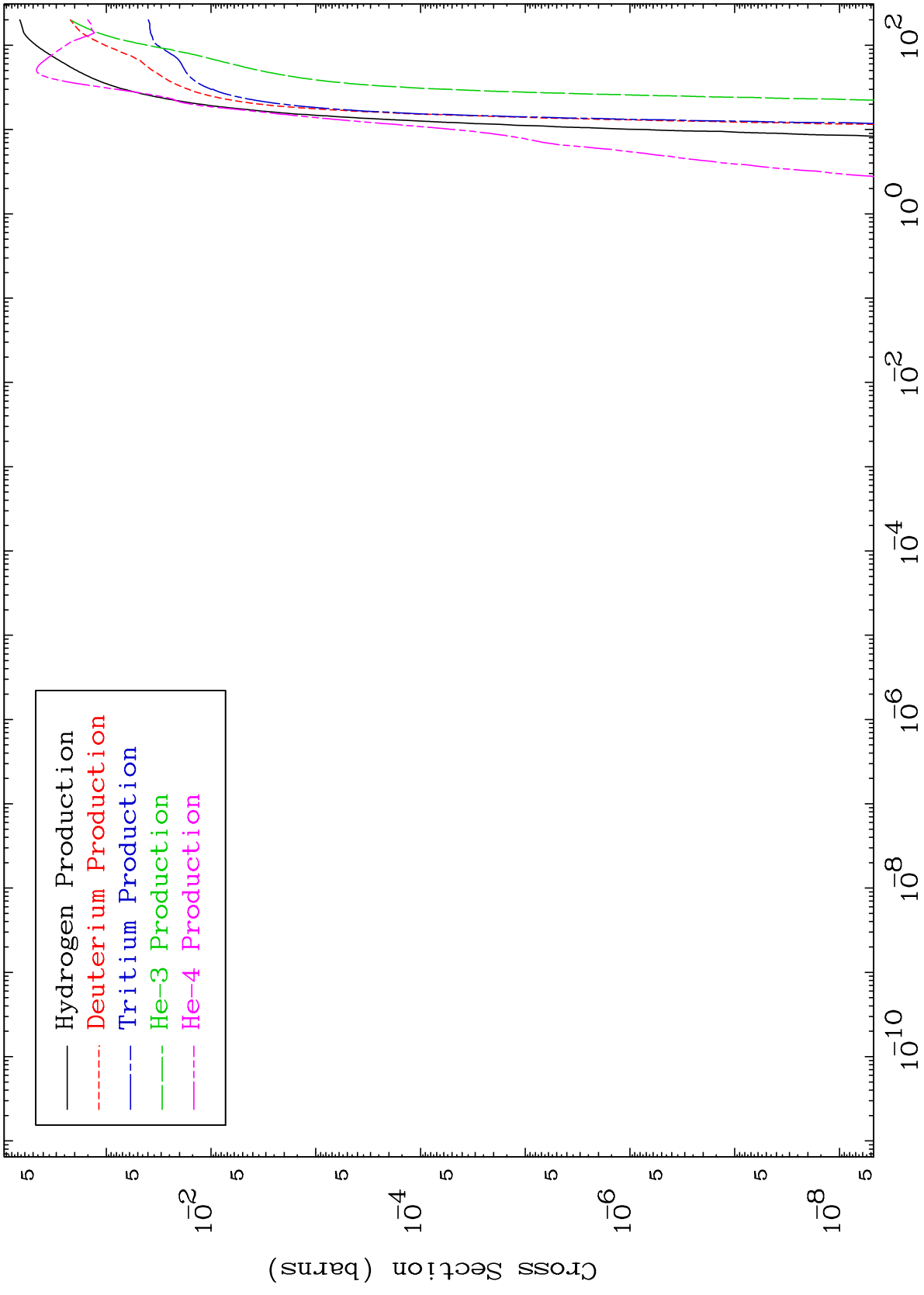
Incident Energy (MeV)

56-Ba-140

MAT 5655

Particle Production
293 Kelvin Cross Sections

56-Ba-140



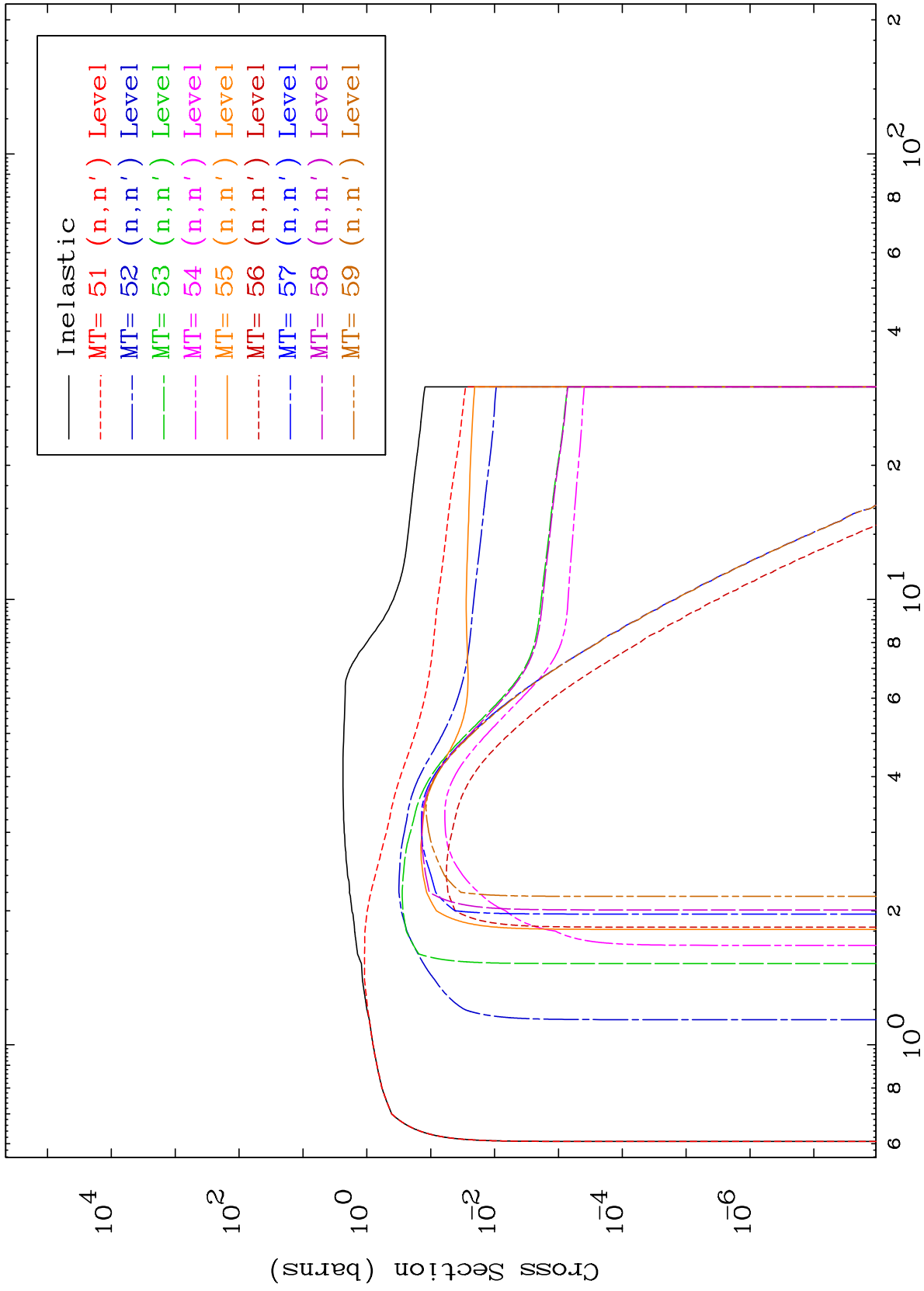
6

56-Ba-140

MAT 5655

(n,n') Level
293 Kelvin Cross Sections

56-Ba-140



7

Incident Energy (MeV)

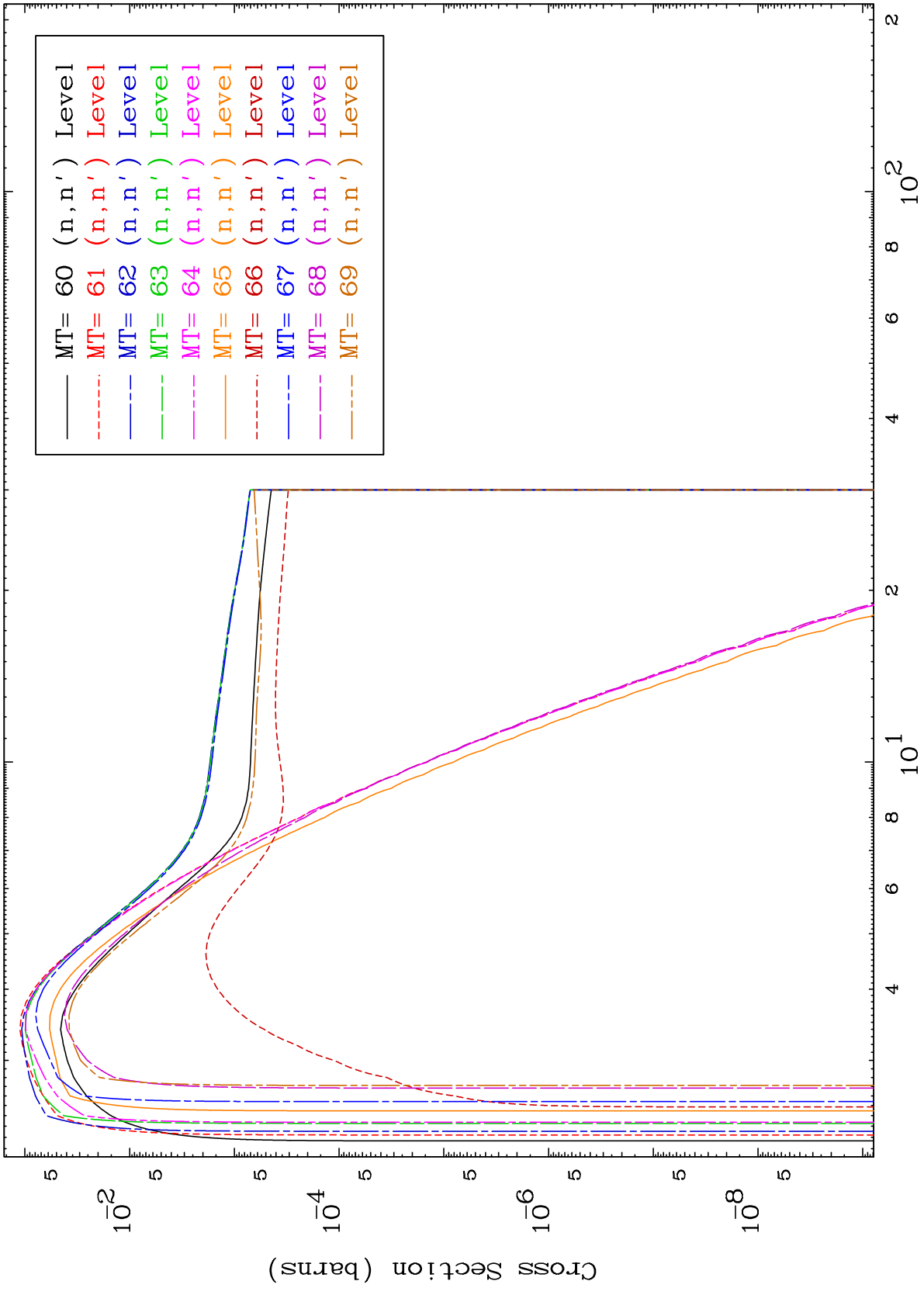
56-Ba-140

MAT 5655

(n,n') Level

56-Ba-140

293 Kelvin Cross Sections



8

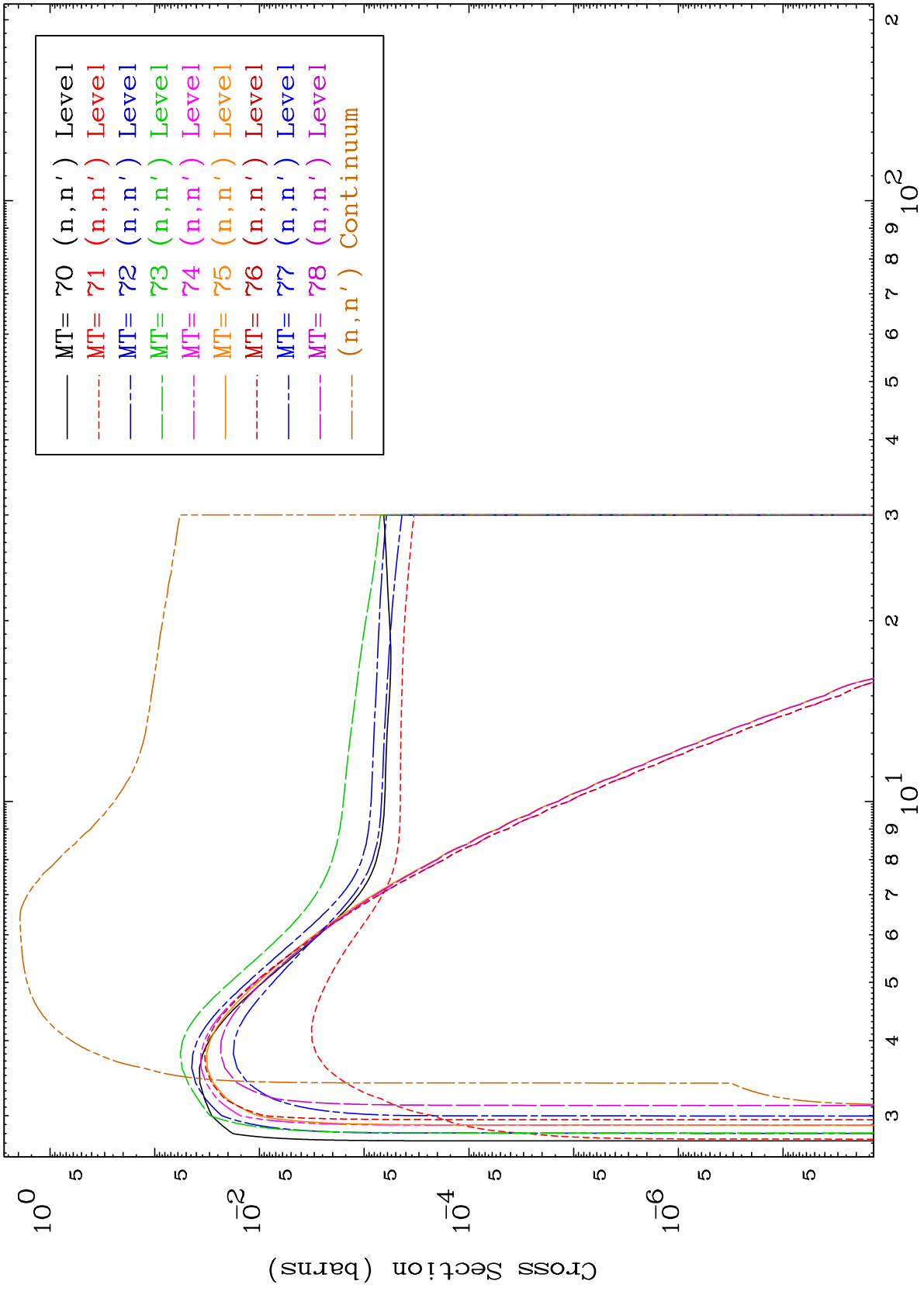
Incident Energy (MeV)

56-Ba-140

MAT 5655

(n,n') Level
293 Kelvin Cross Sections

56-Ba-140



9

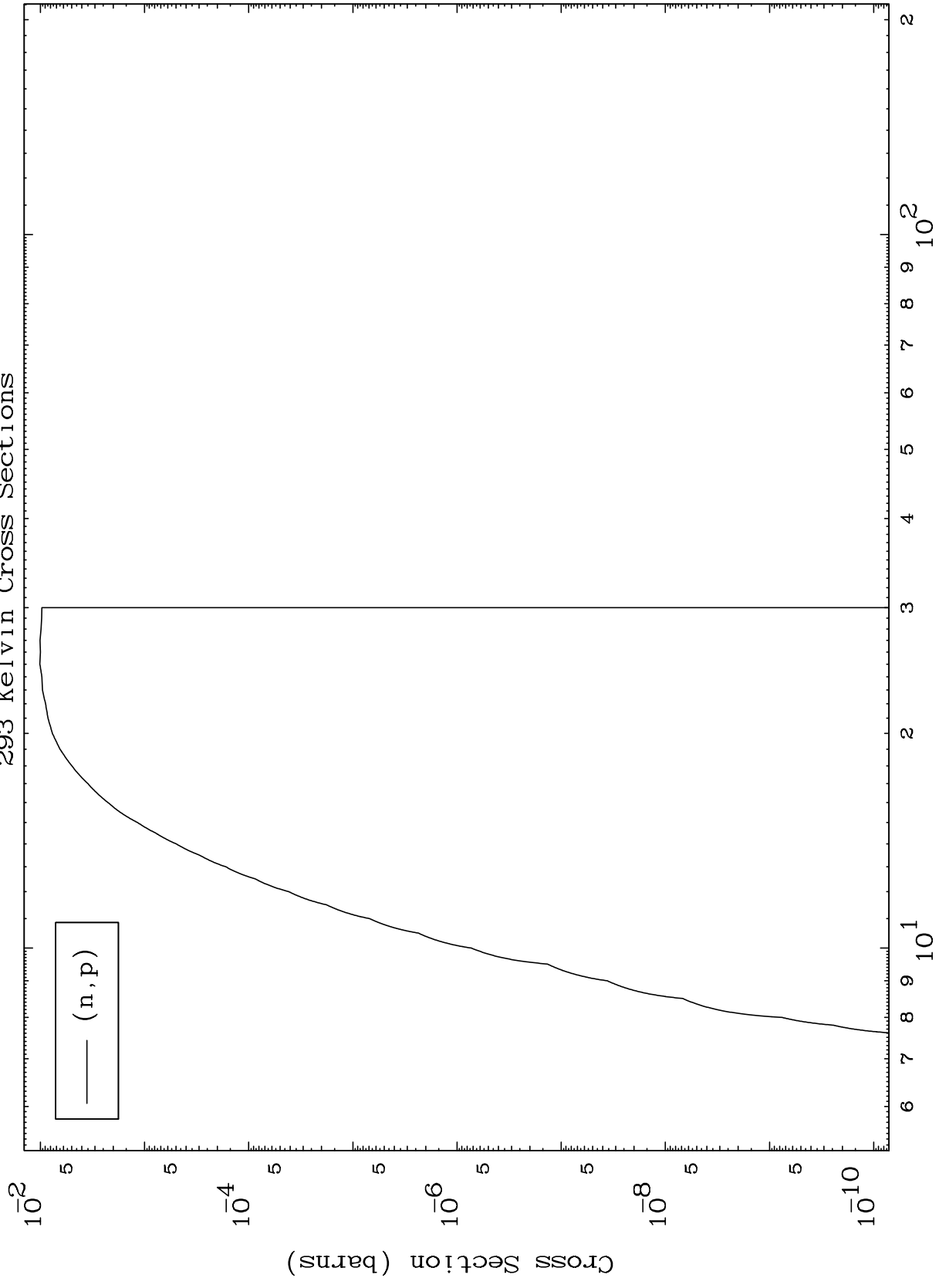
Incident Energy (MeV)

56-Ba-140

MAT 5655

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-140



10

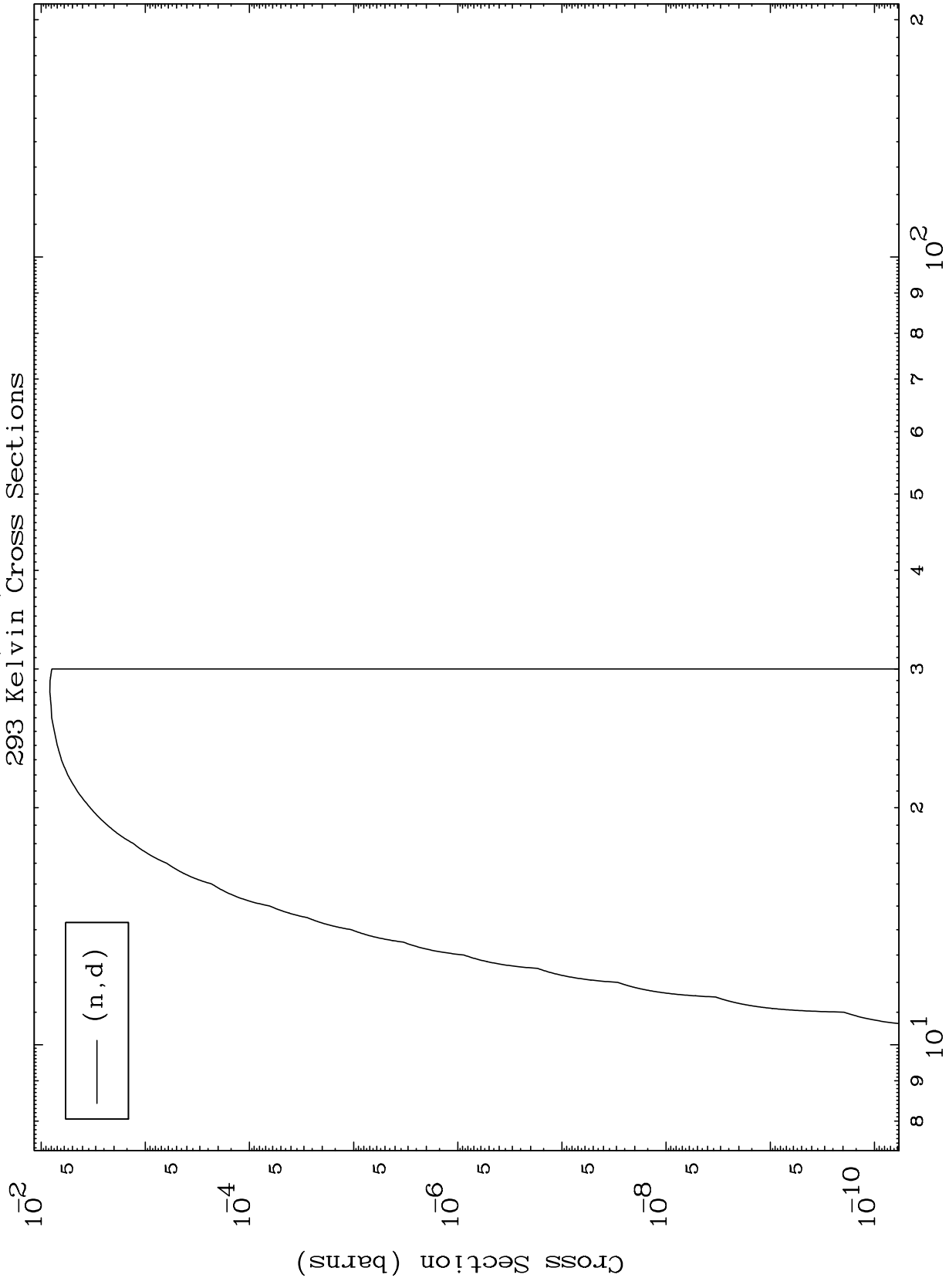
Incident Energy (MeV)

56-Ba-140

MAT 5655

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-140



11

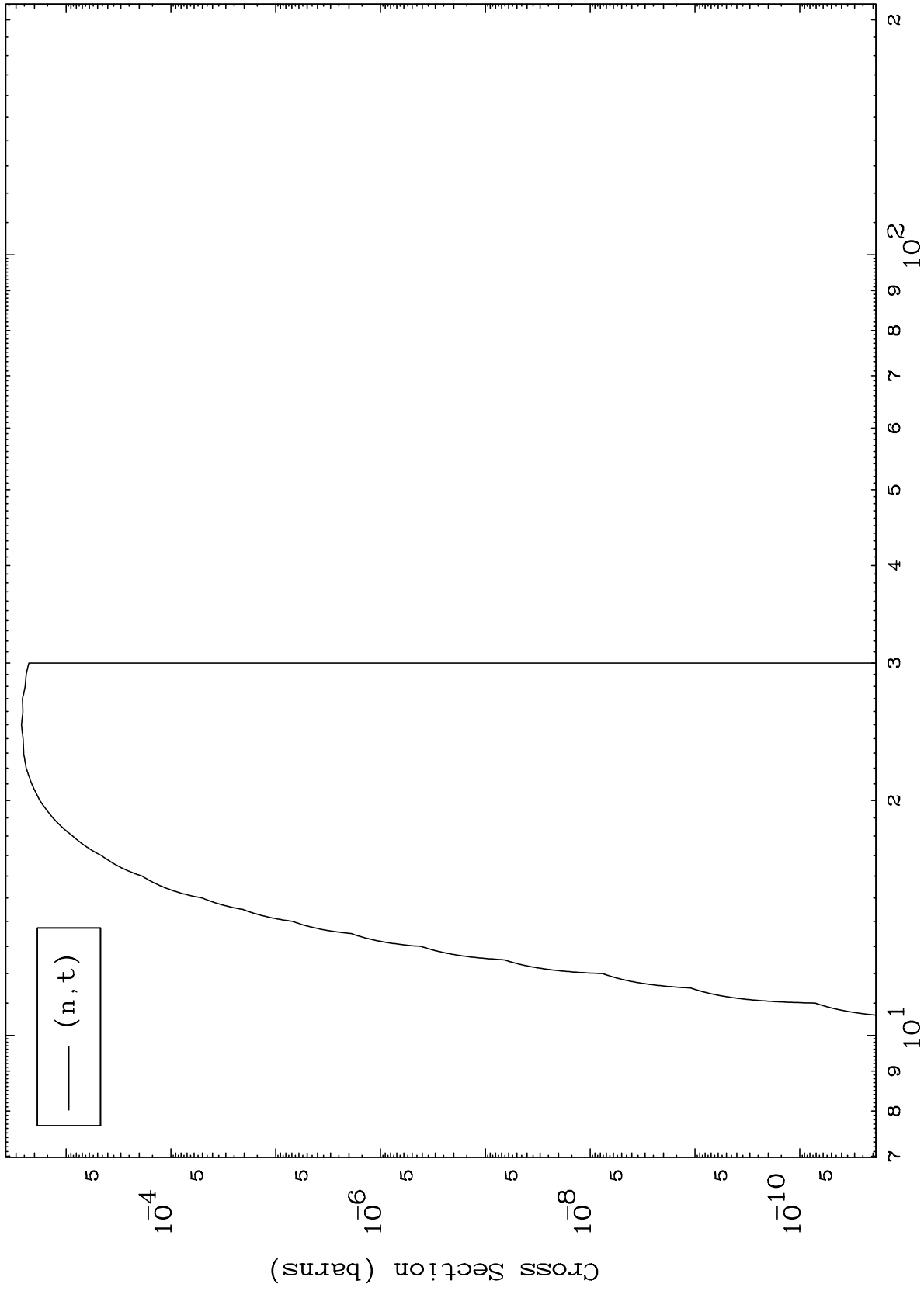
Incident Energy (MeV)

56-Ba-140

MAT 5655

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-140



12

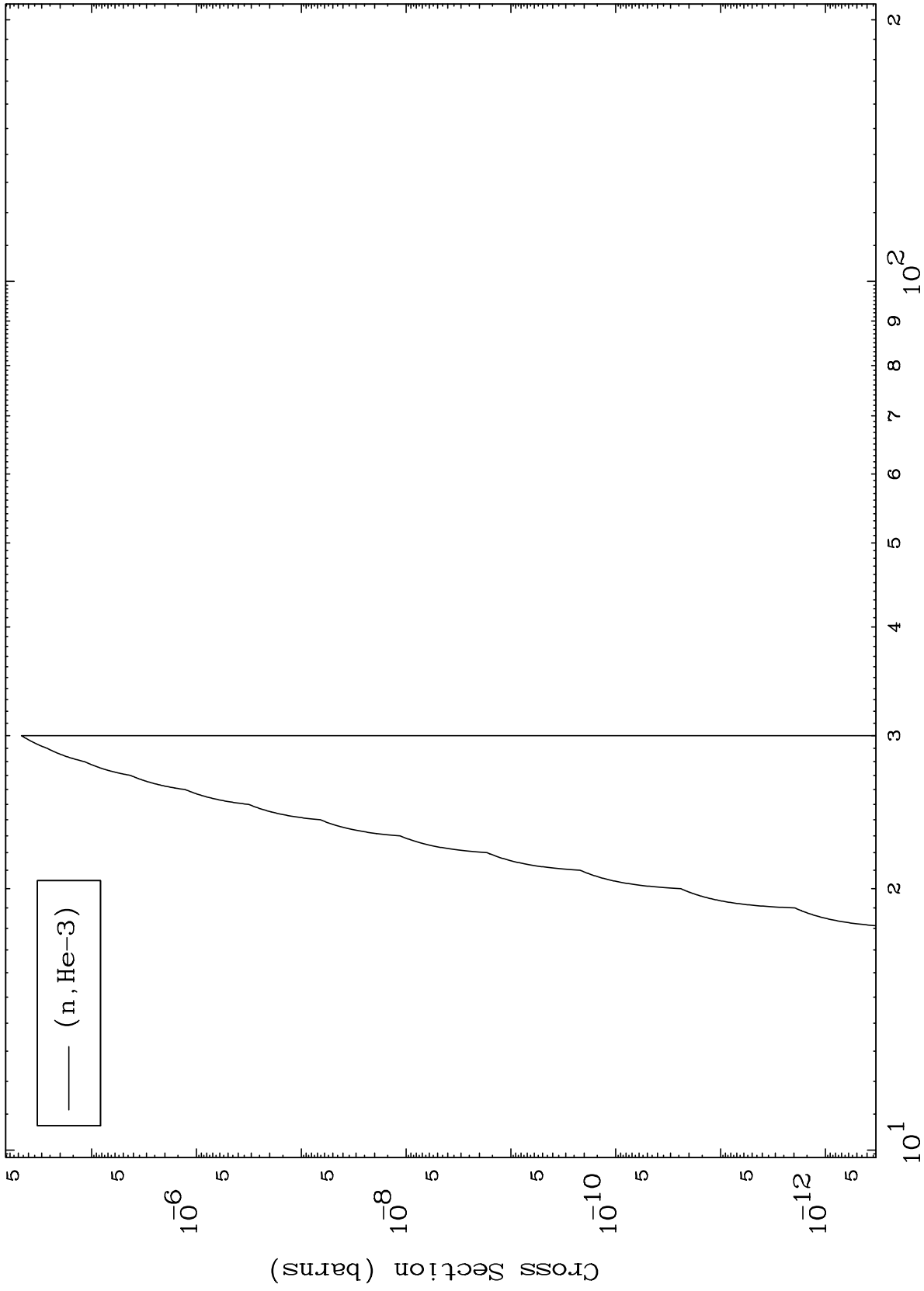
Incident Energy (MeV)

56-Ba-140

MAT 5655

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-140



13

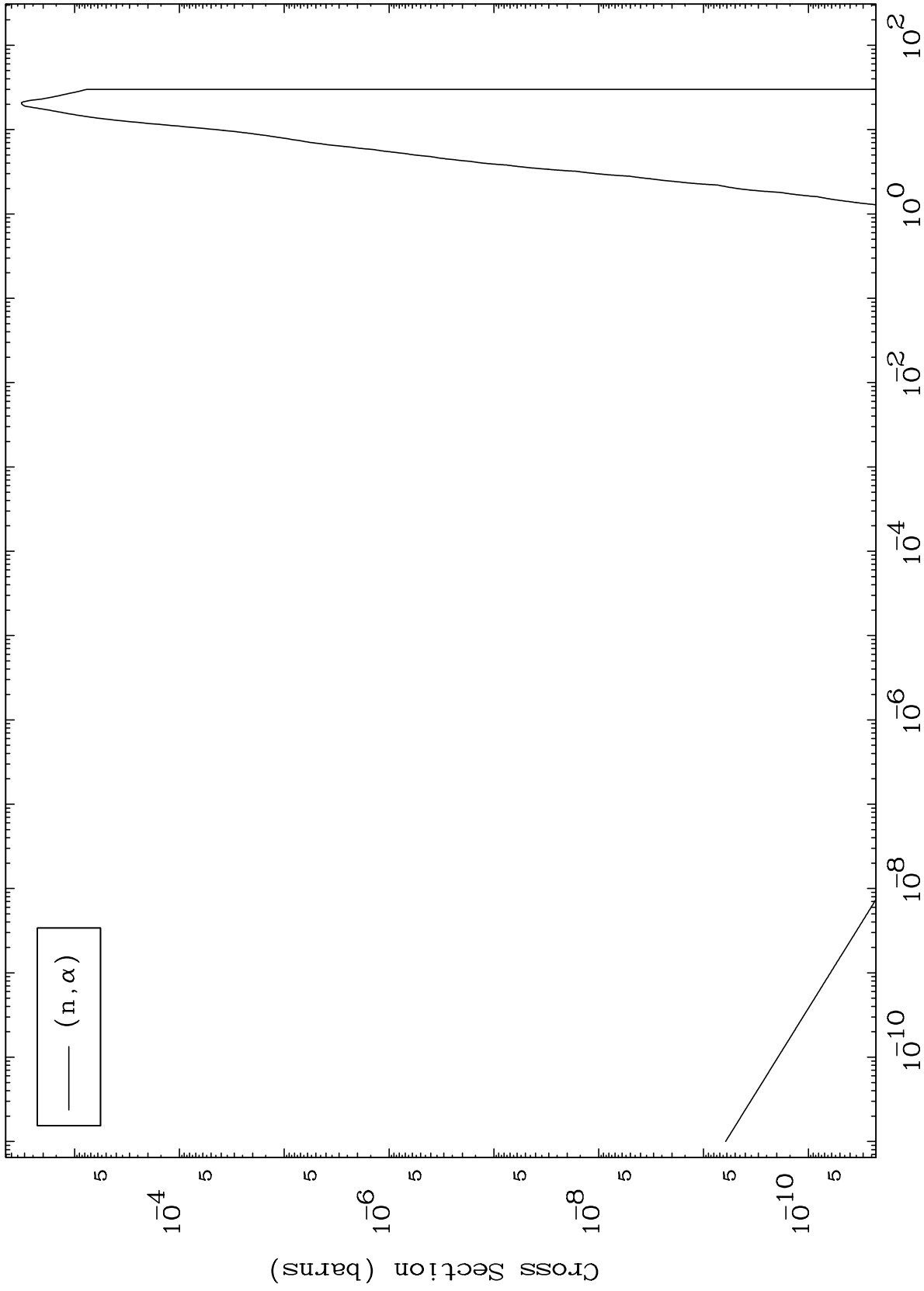
Incident Energy (MeV)

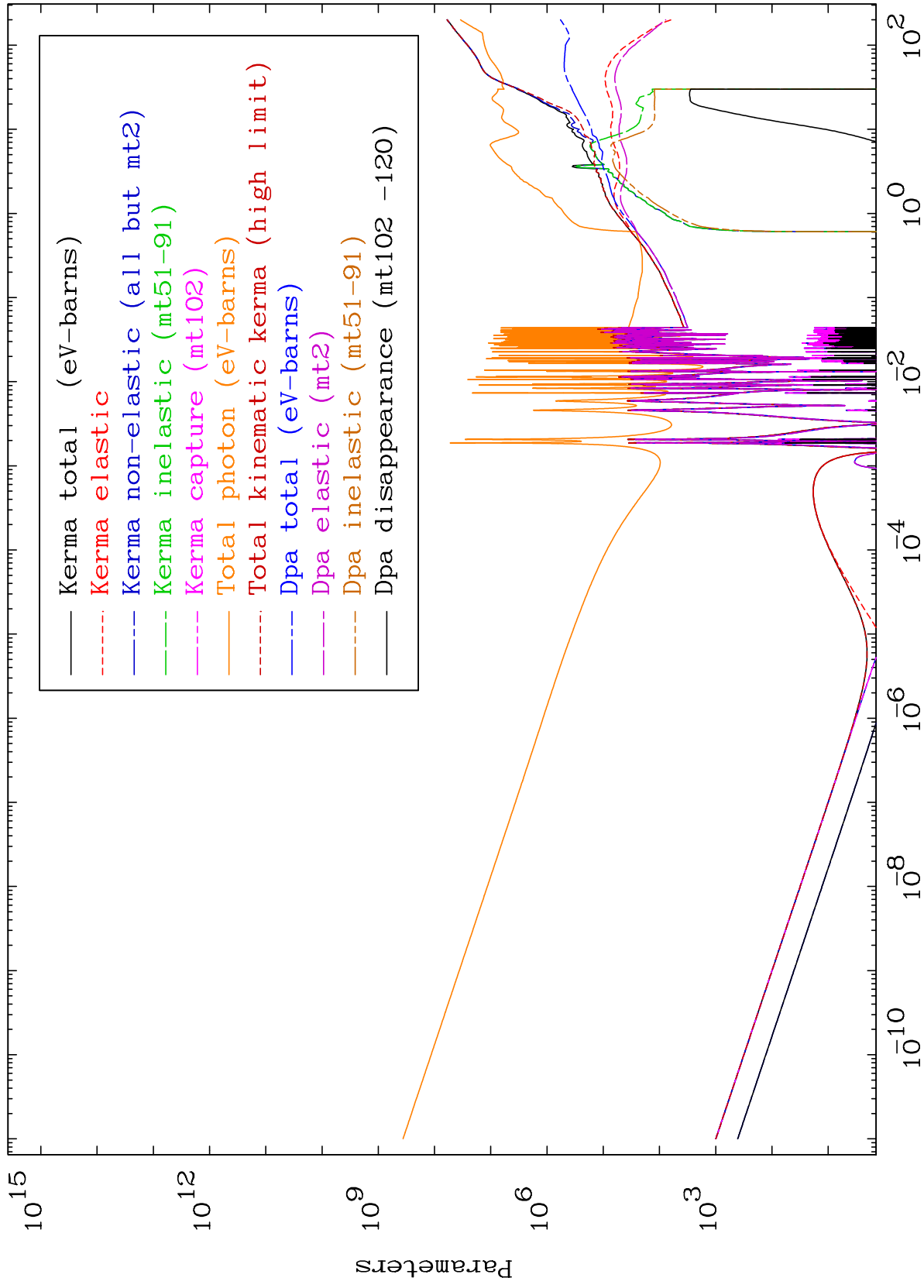
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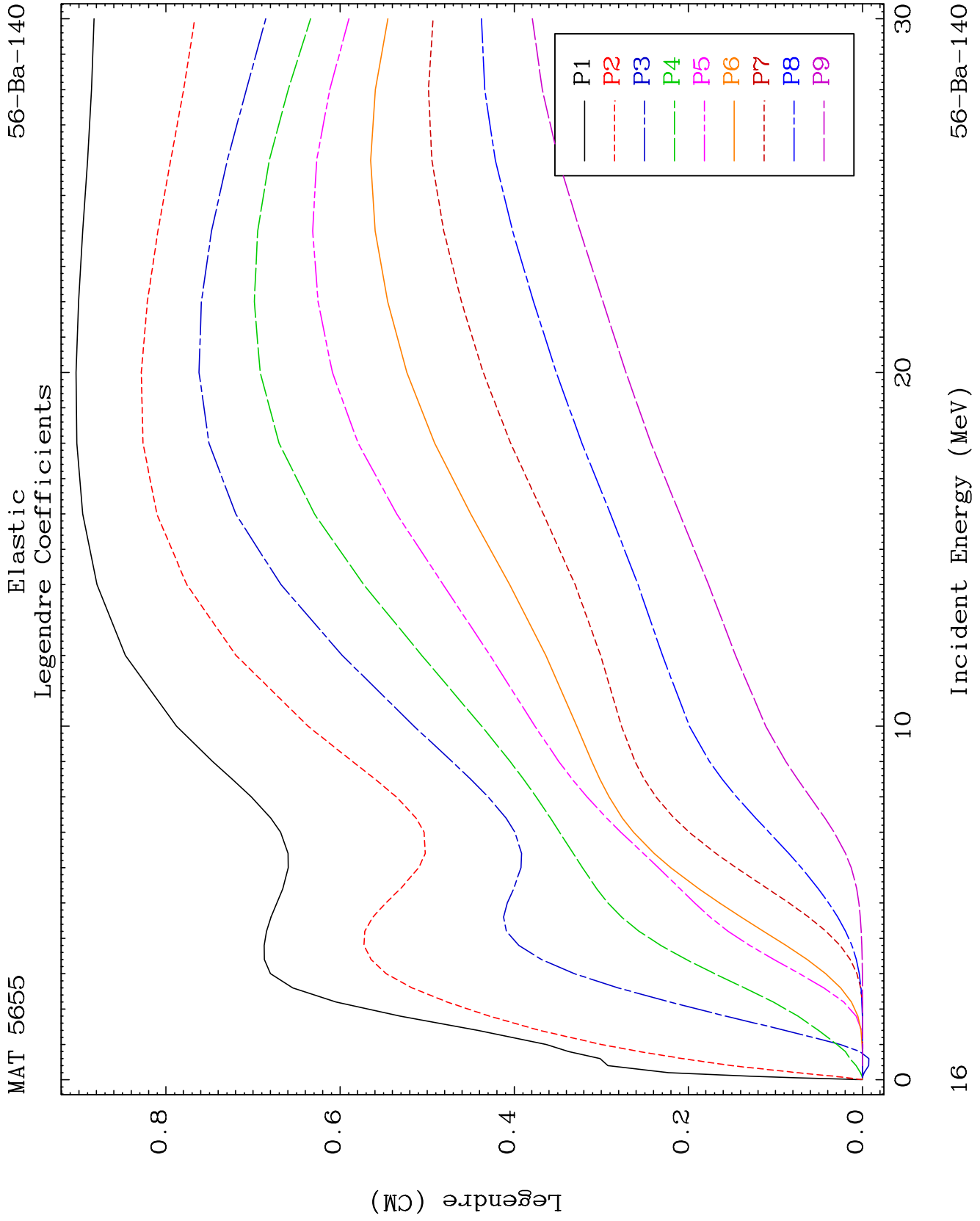
MAT 5655

(n,α) Levels
293 Kelvin Cross Sections

56-Ba-140



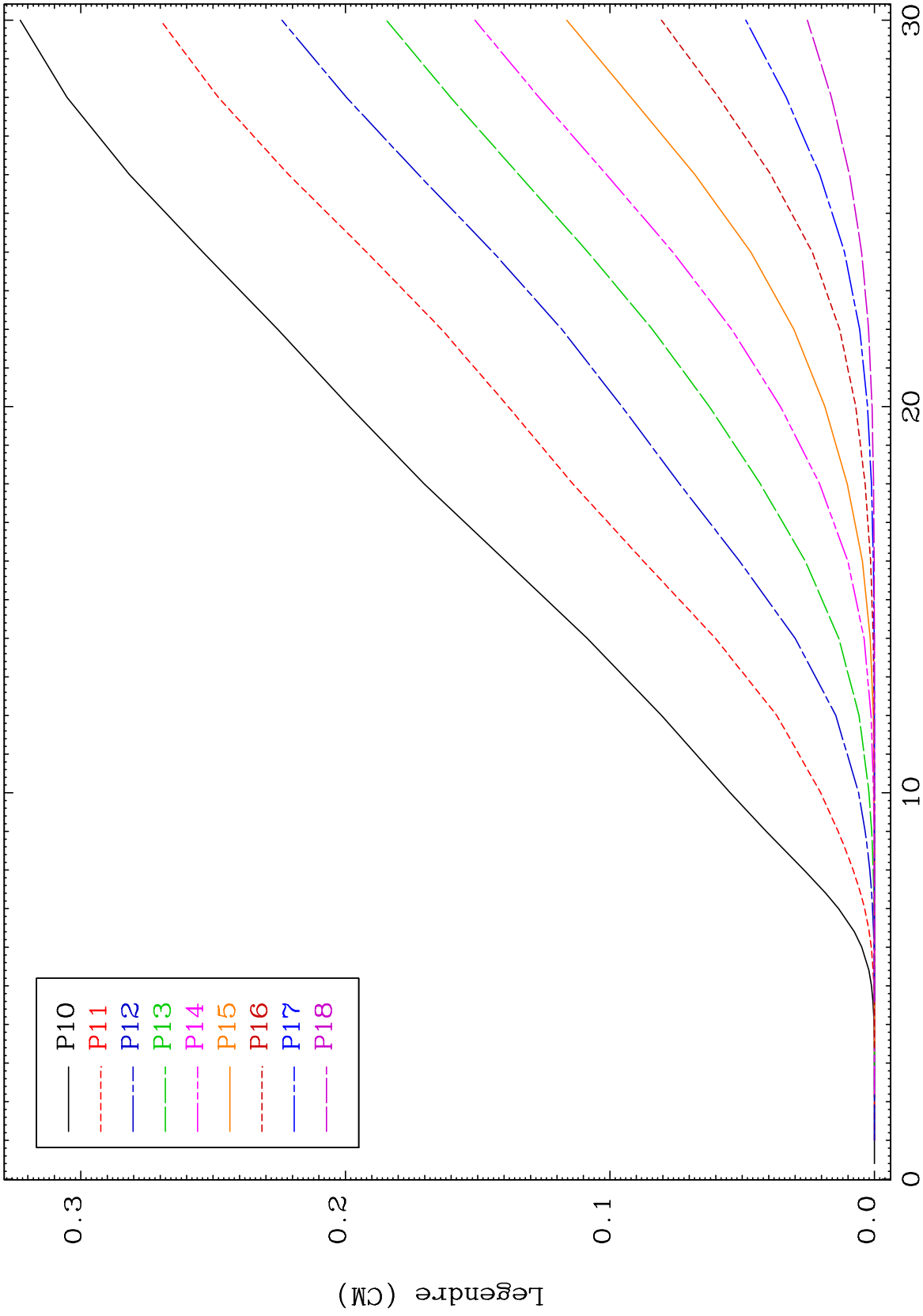




MAT 5655

Elastic Legendre Coefficients

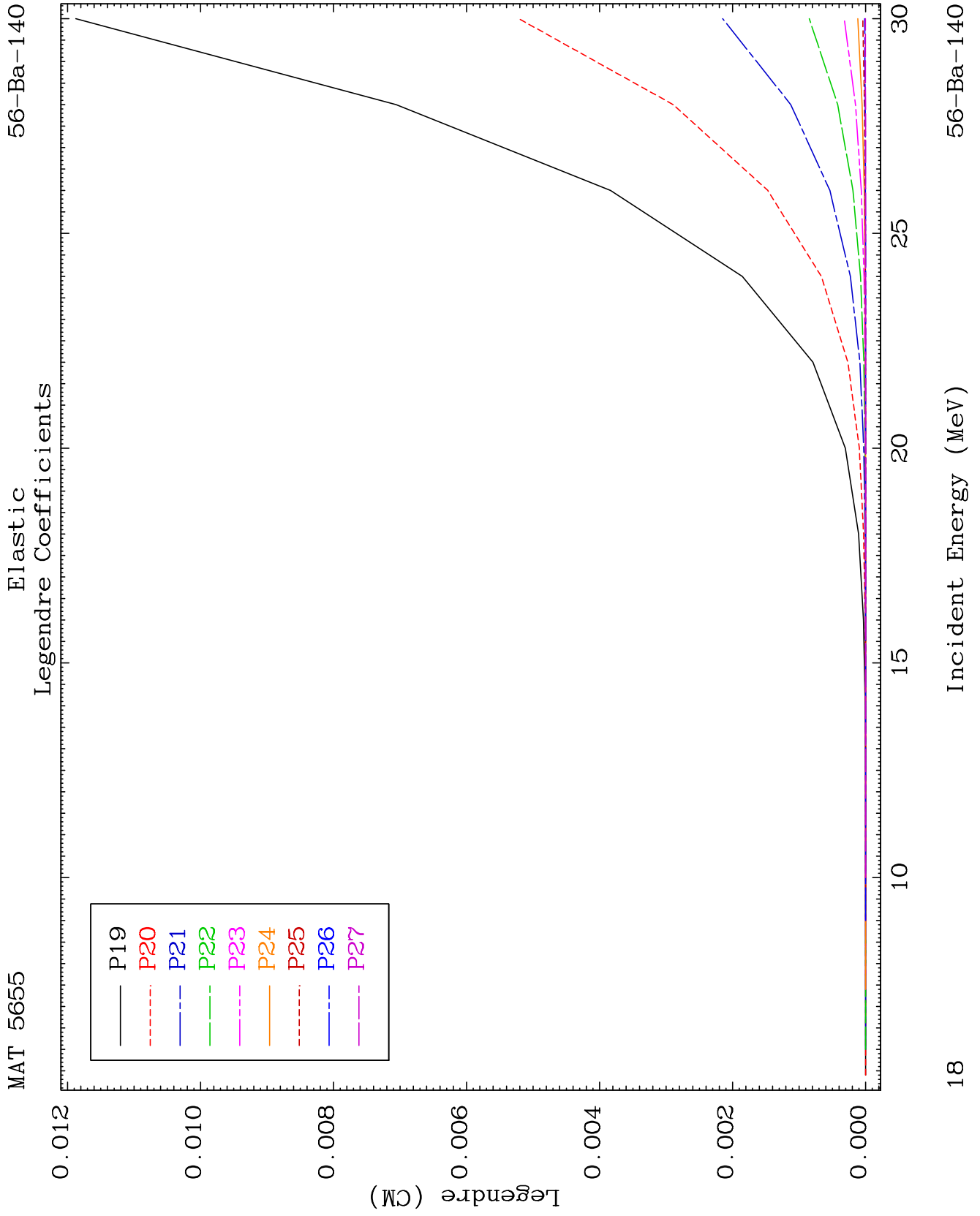
56-Ba-140



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Incident Energy (MeV)

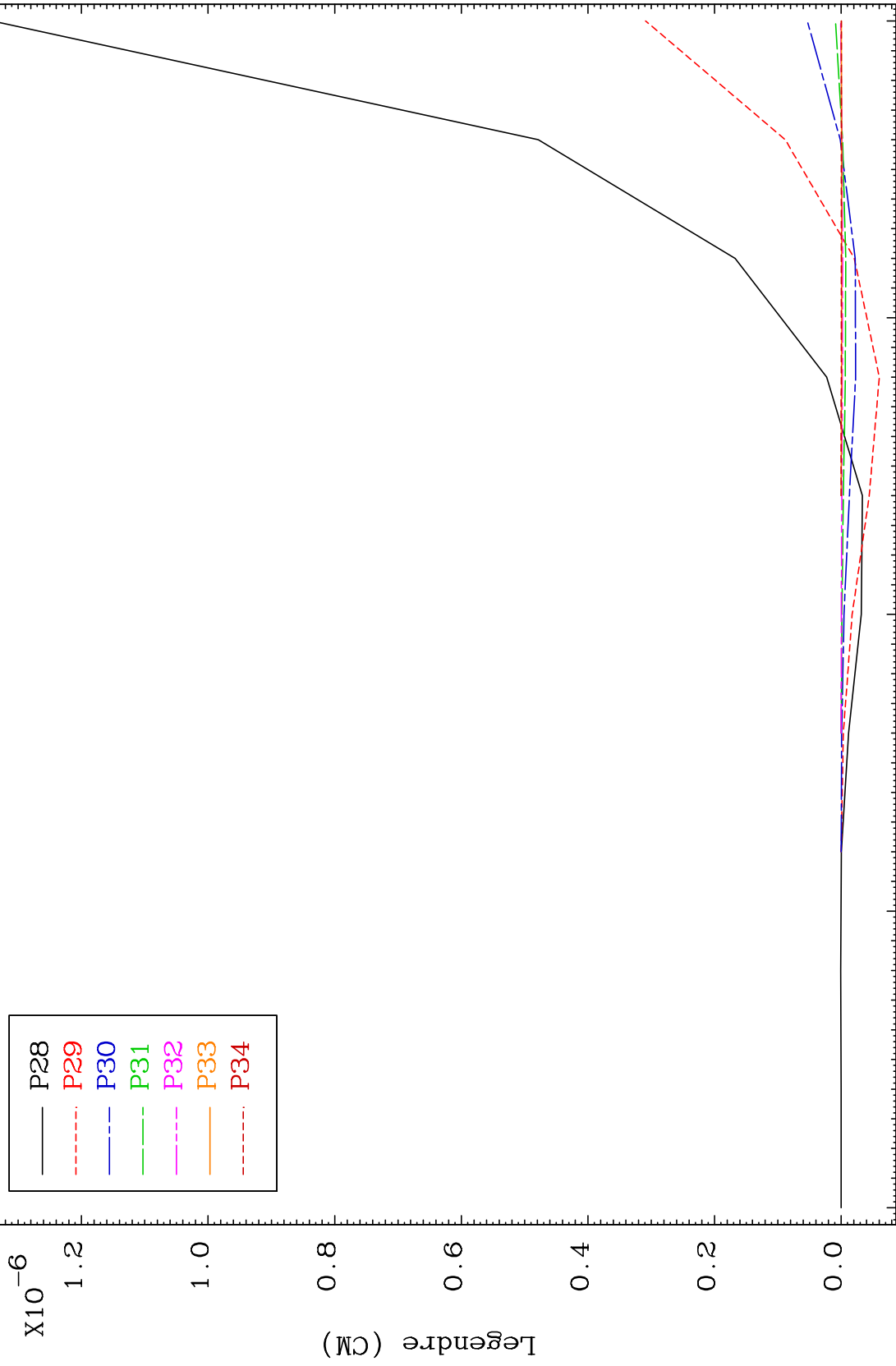
56-Ba-140



MAT 5655

Elastic Legendre Coefficients

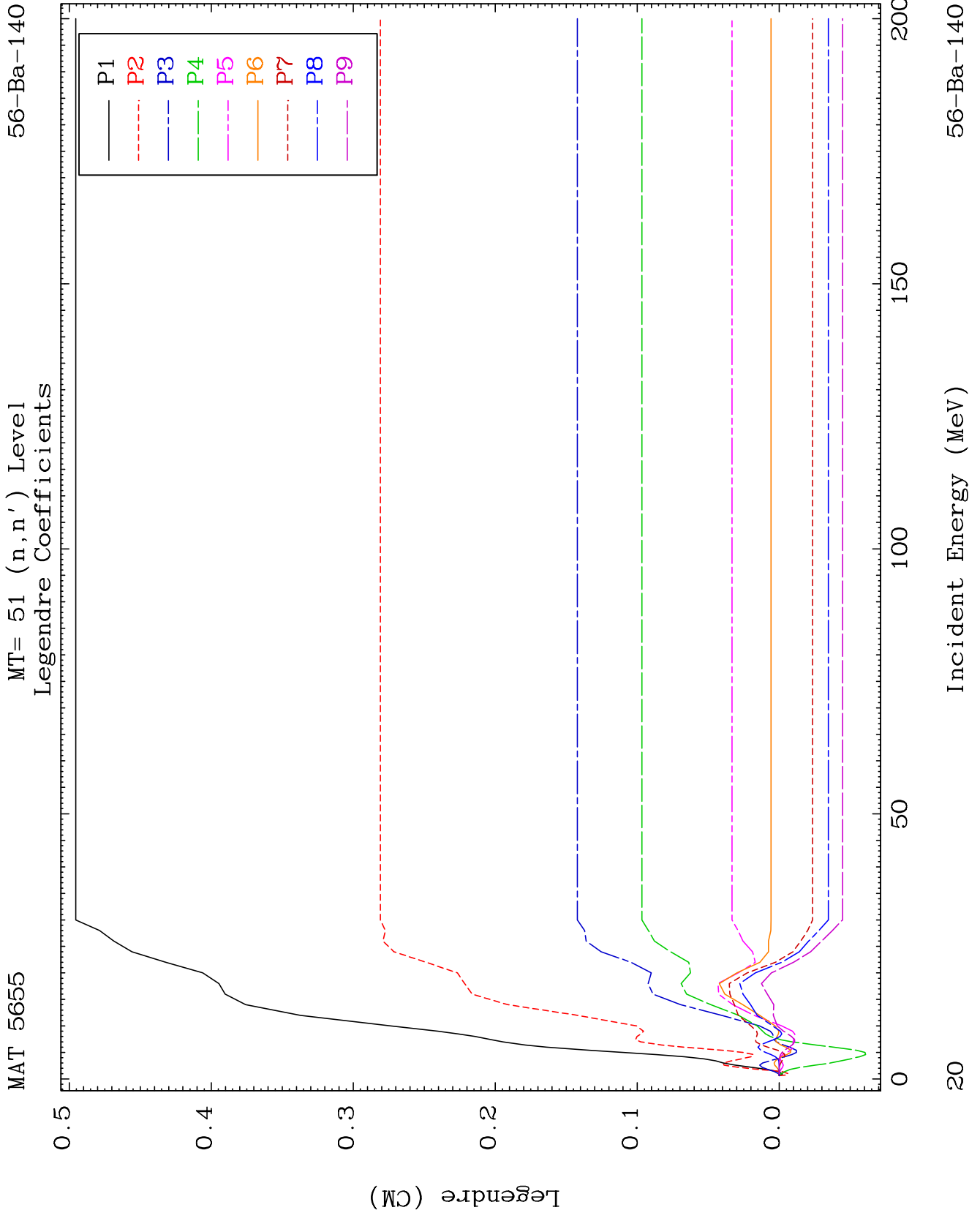
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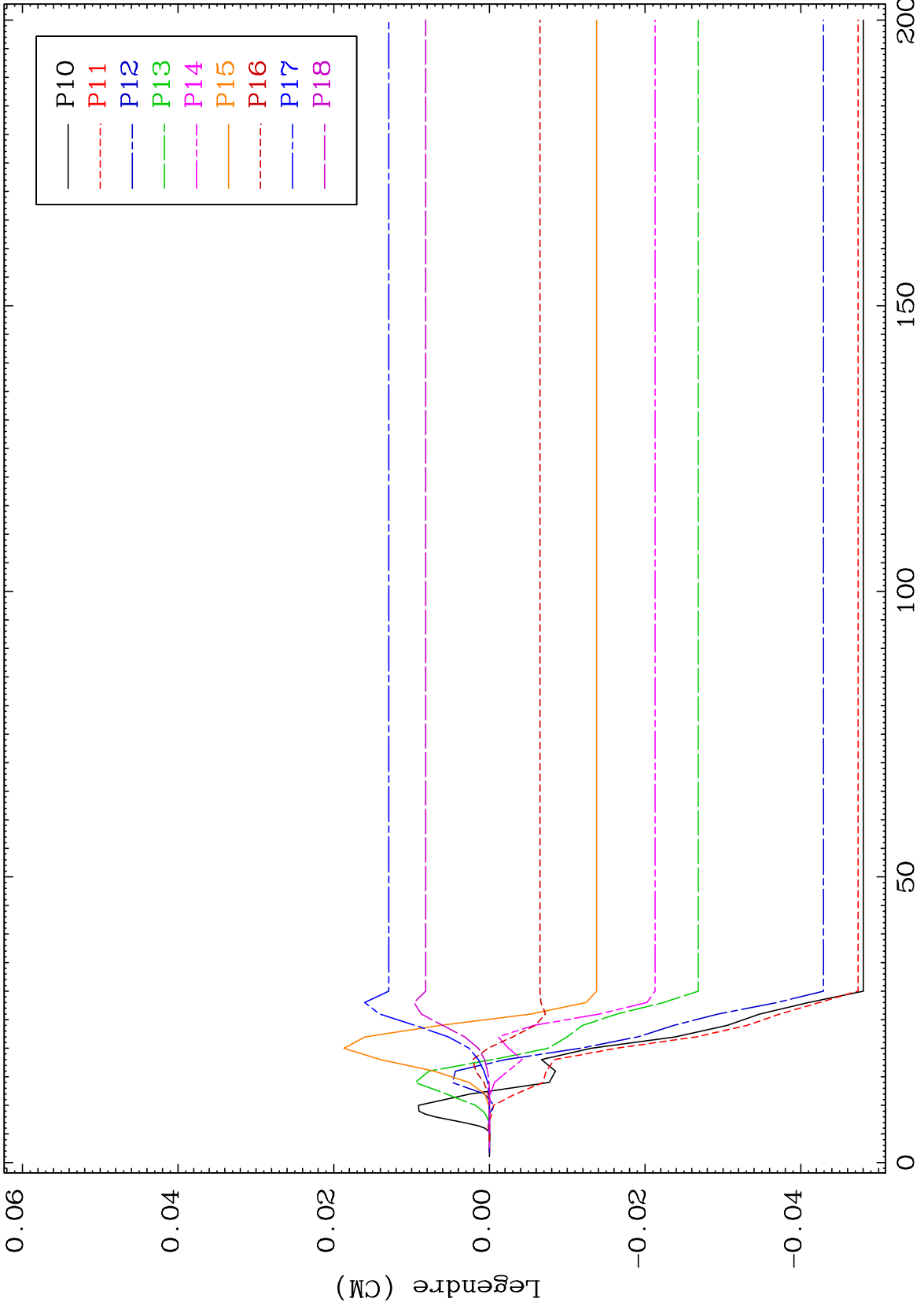
19

Incident Energy (MeV)

56-Ba-140



MAT 5655 MT= 51 (n,n') Level Legendre Coefficients 56-Ba-140

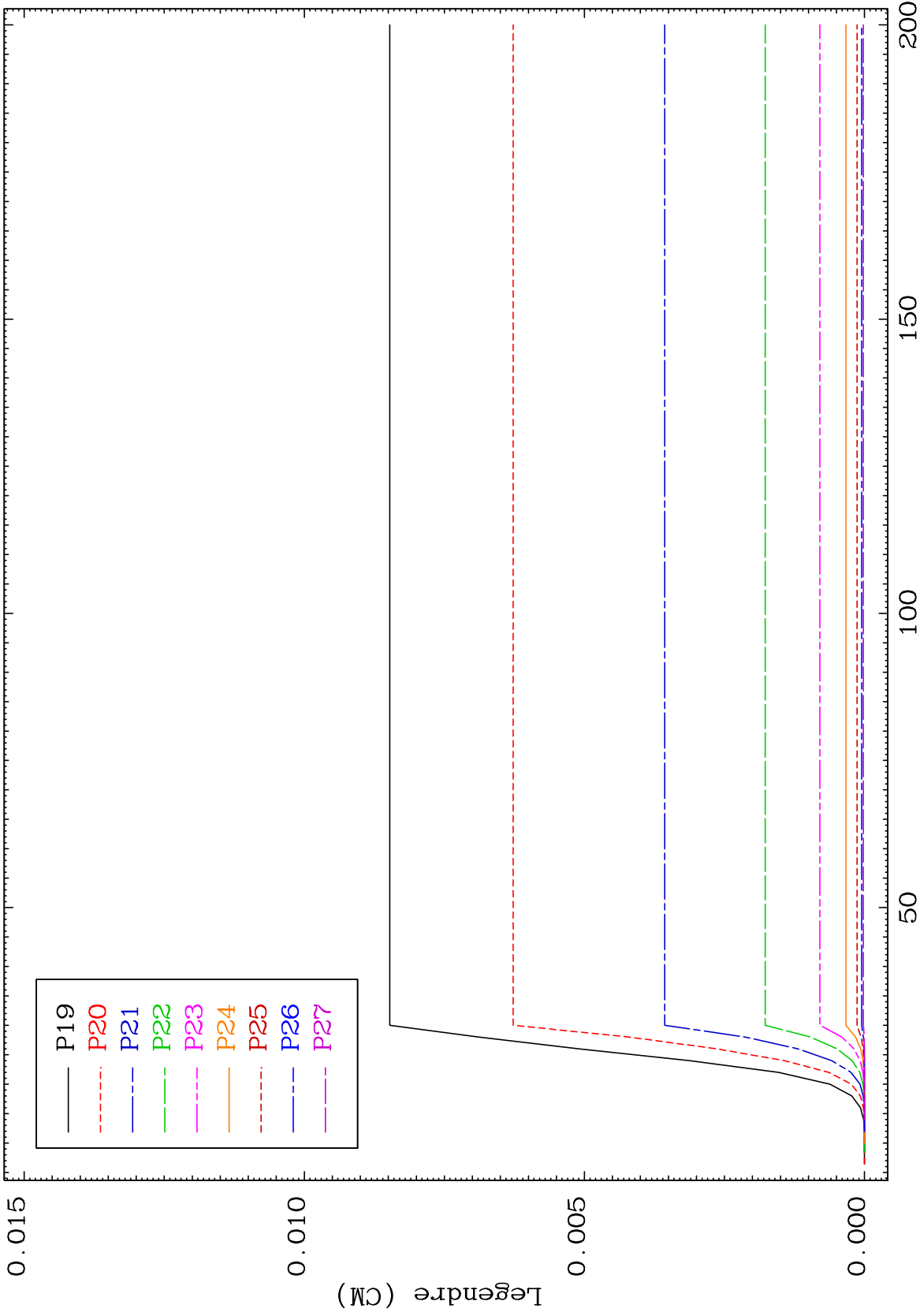


21 56-Ba-140

MAT 5655

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

56-Ba-140



22

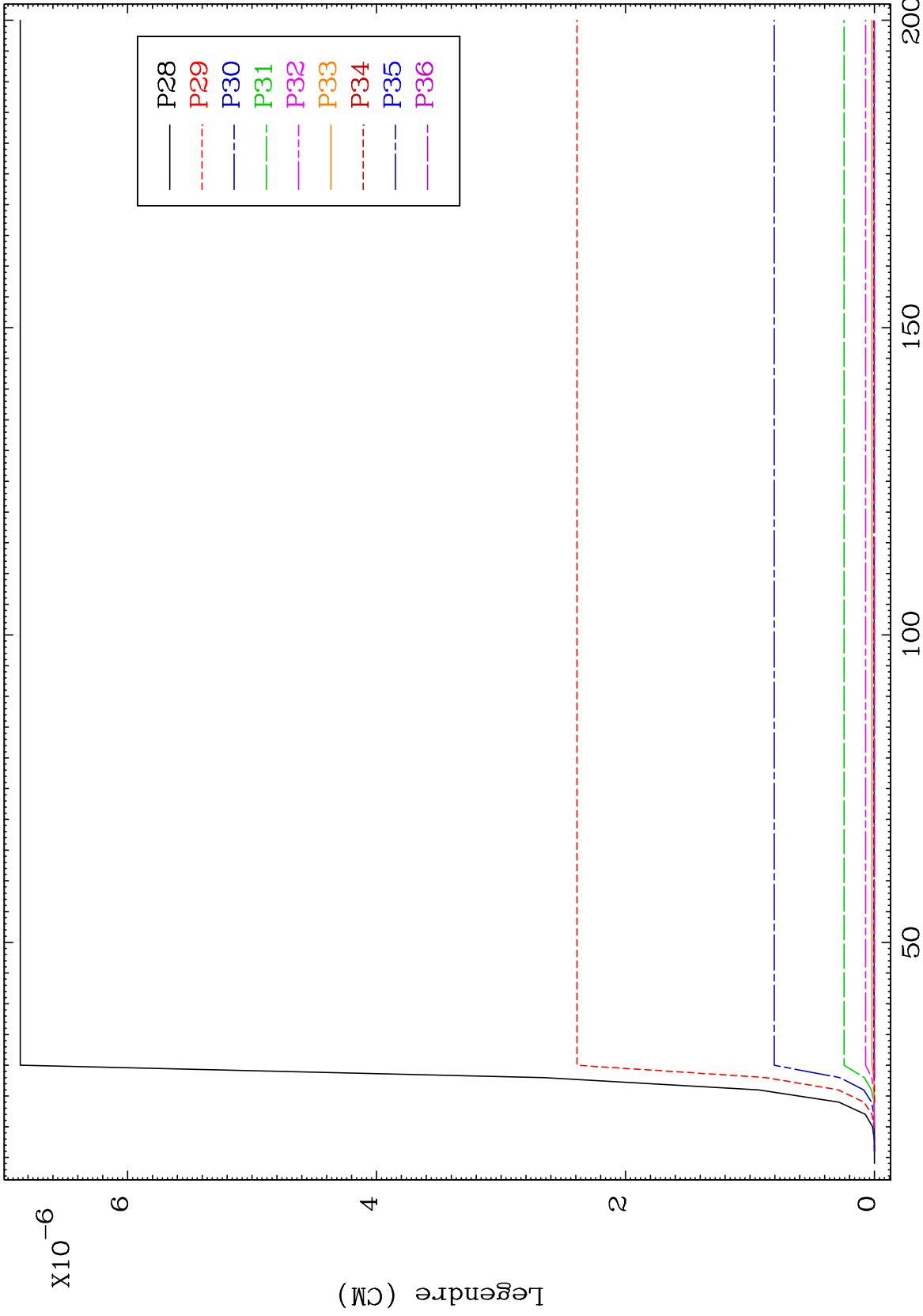
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



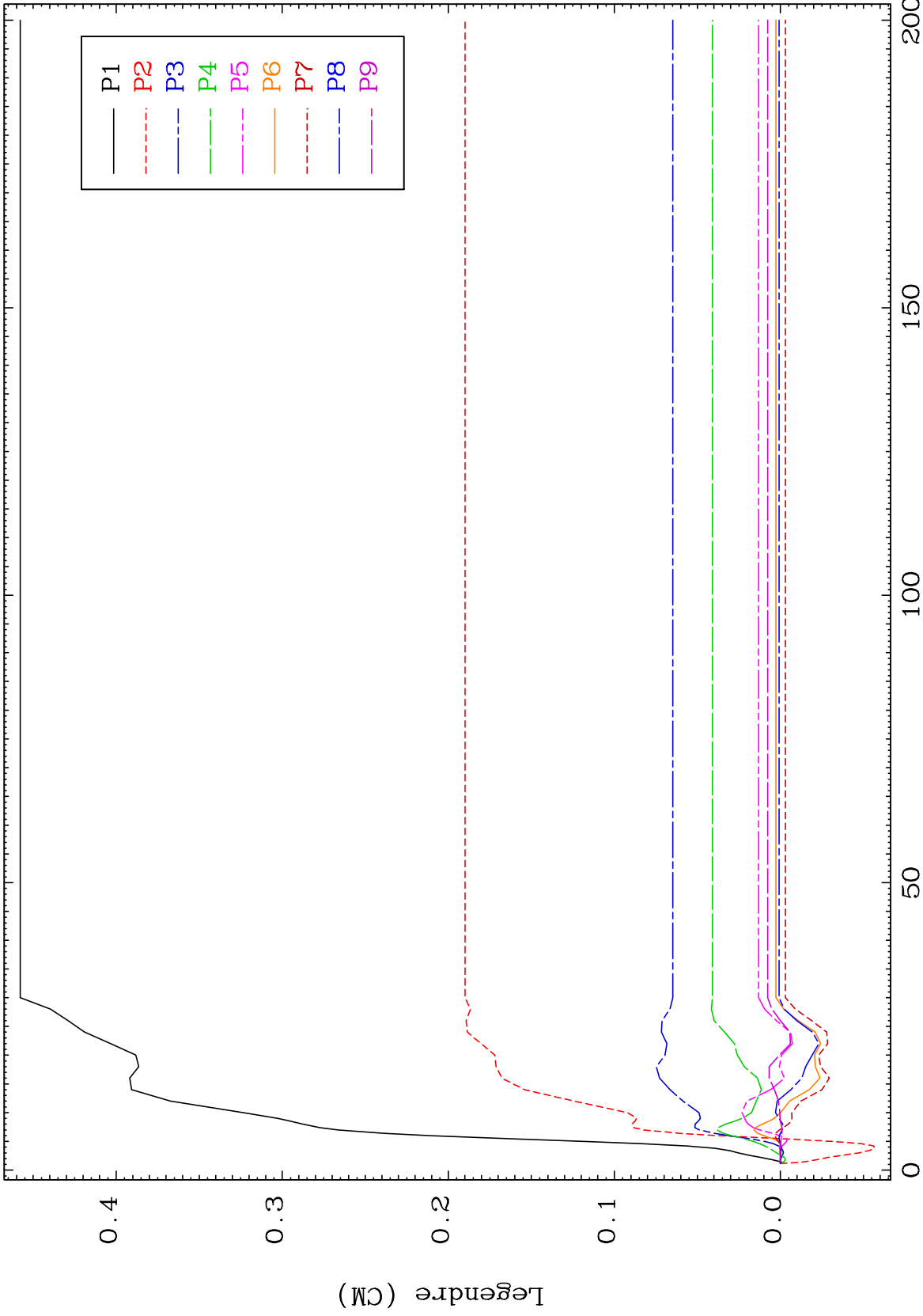
23

56-Ba-140

MAT 5655

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

56-Ba-140

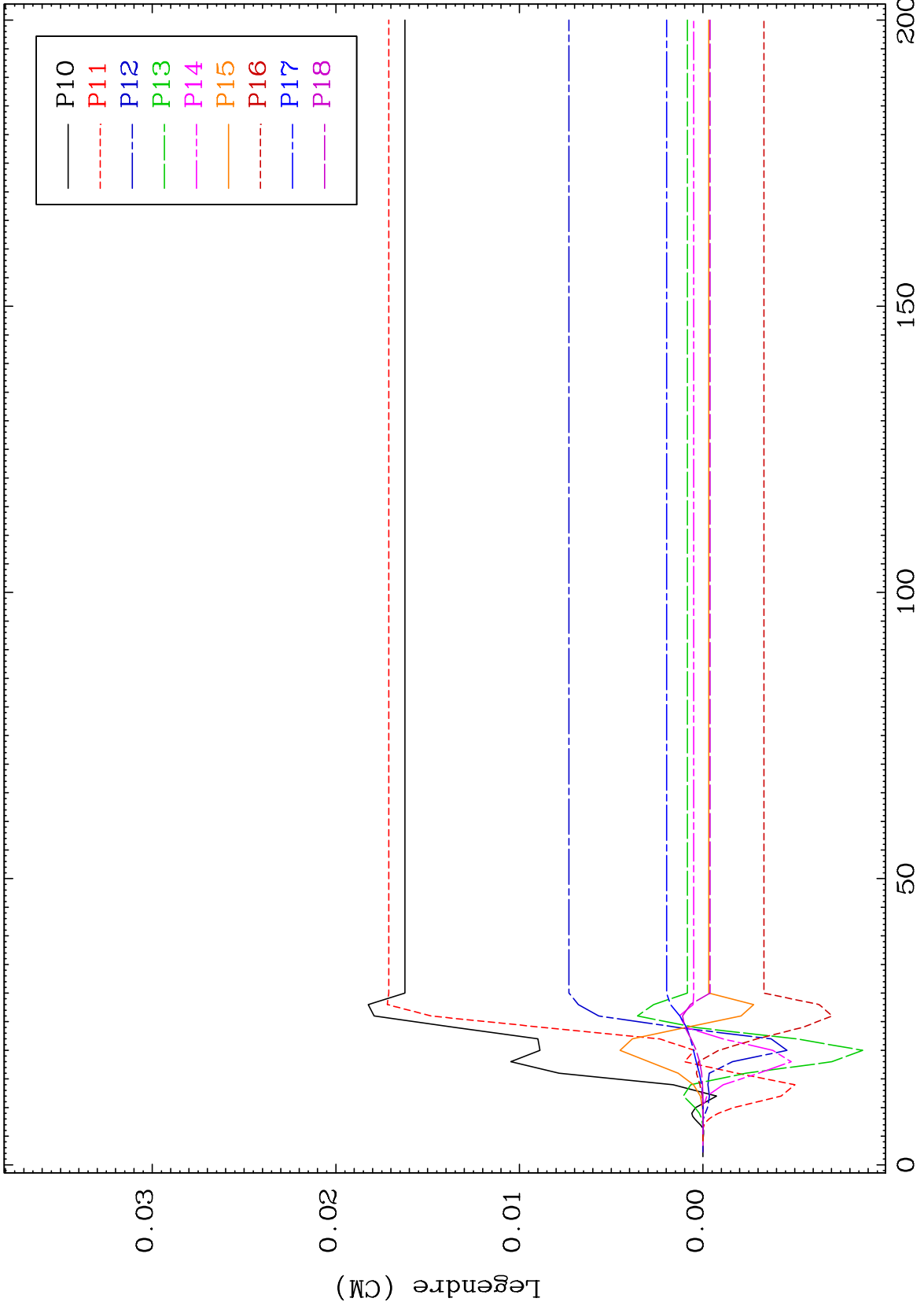


24

Incident Energy (MeV)

56-Ba-140

MAT 5655 MT= 52 (n,n') Level Legendre Coefficients 56-Ba-140

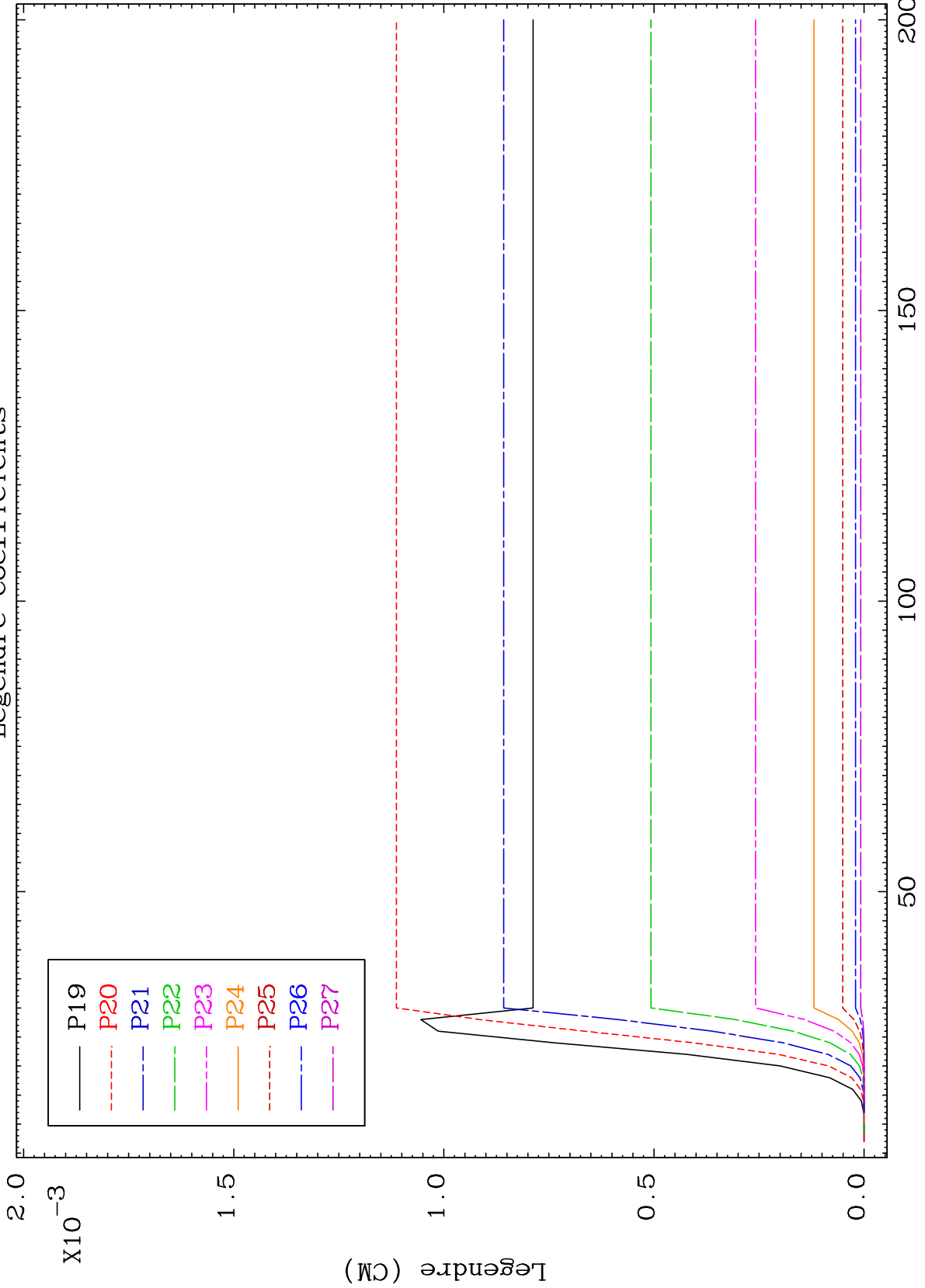


25 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 52 (n,n') Level Legendre Coefficients

56-Ba-140

56-Ba-140

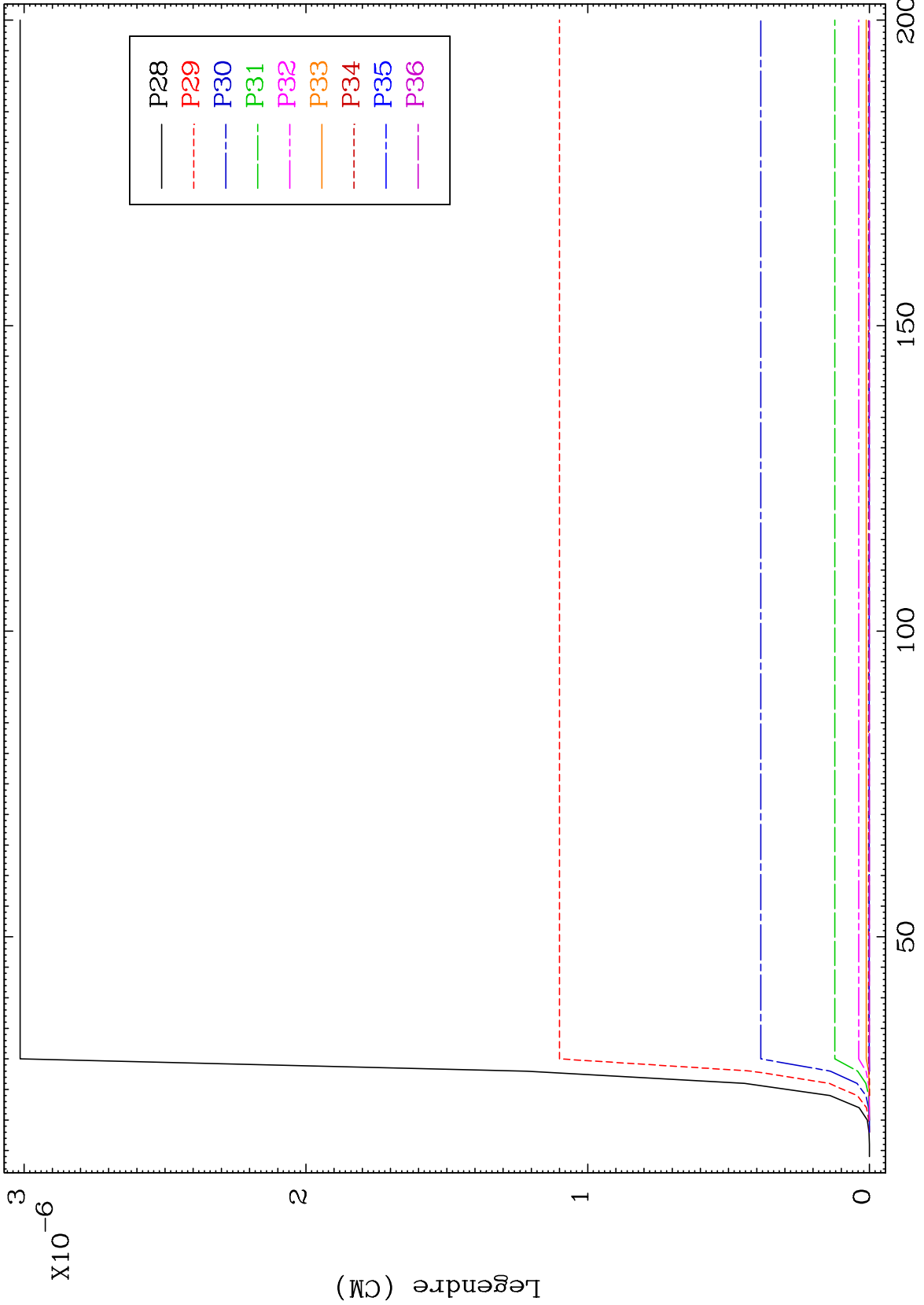


26

MAT 5655

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

56-Ba-140



27

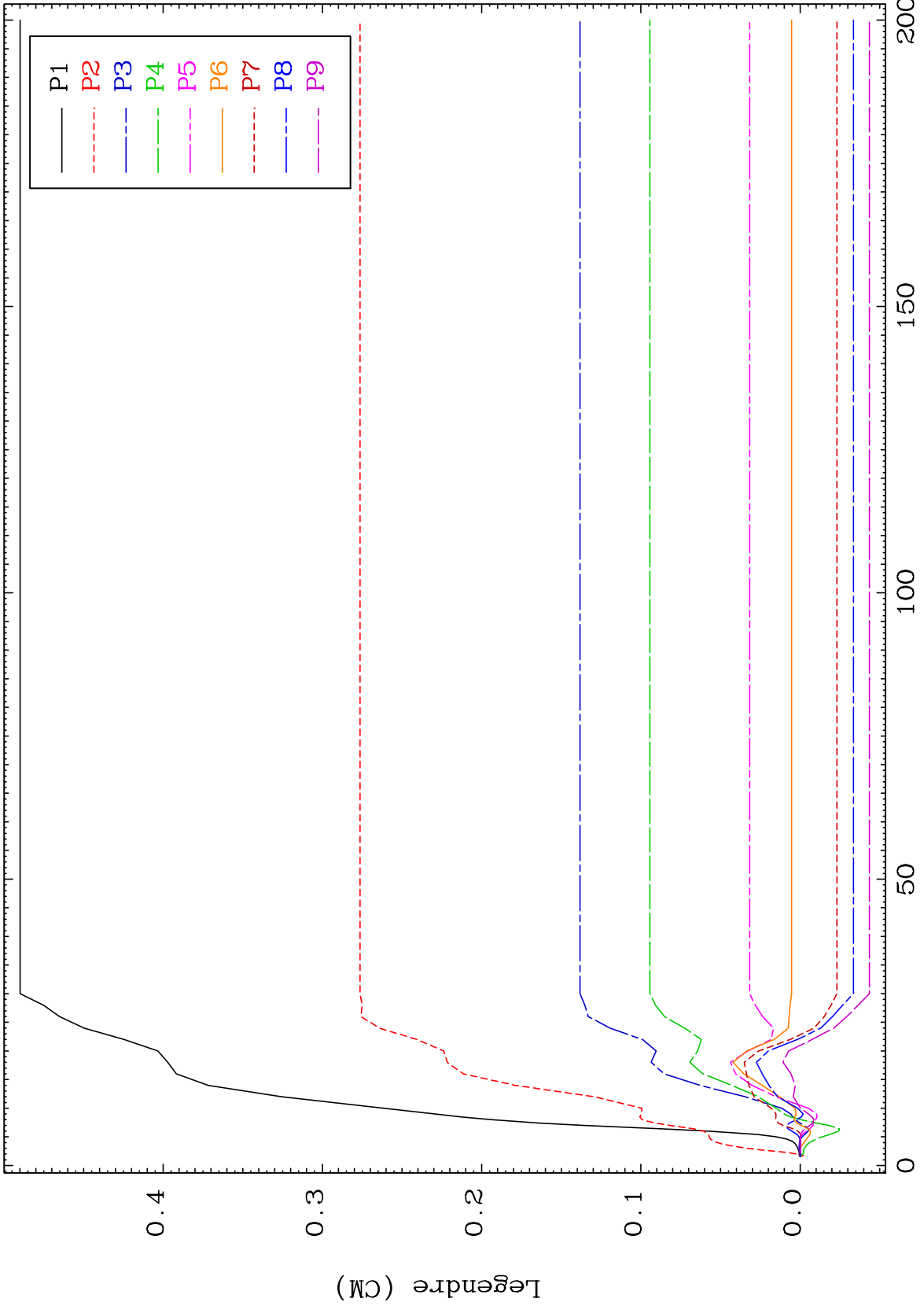
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



28

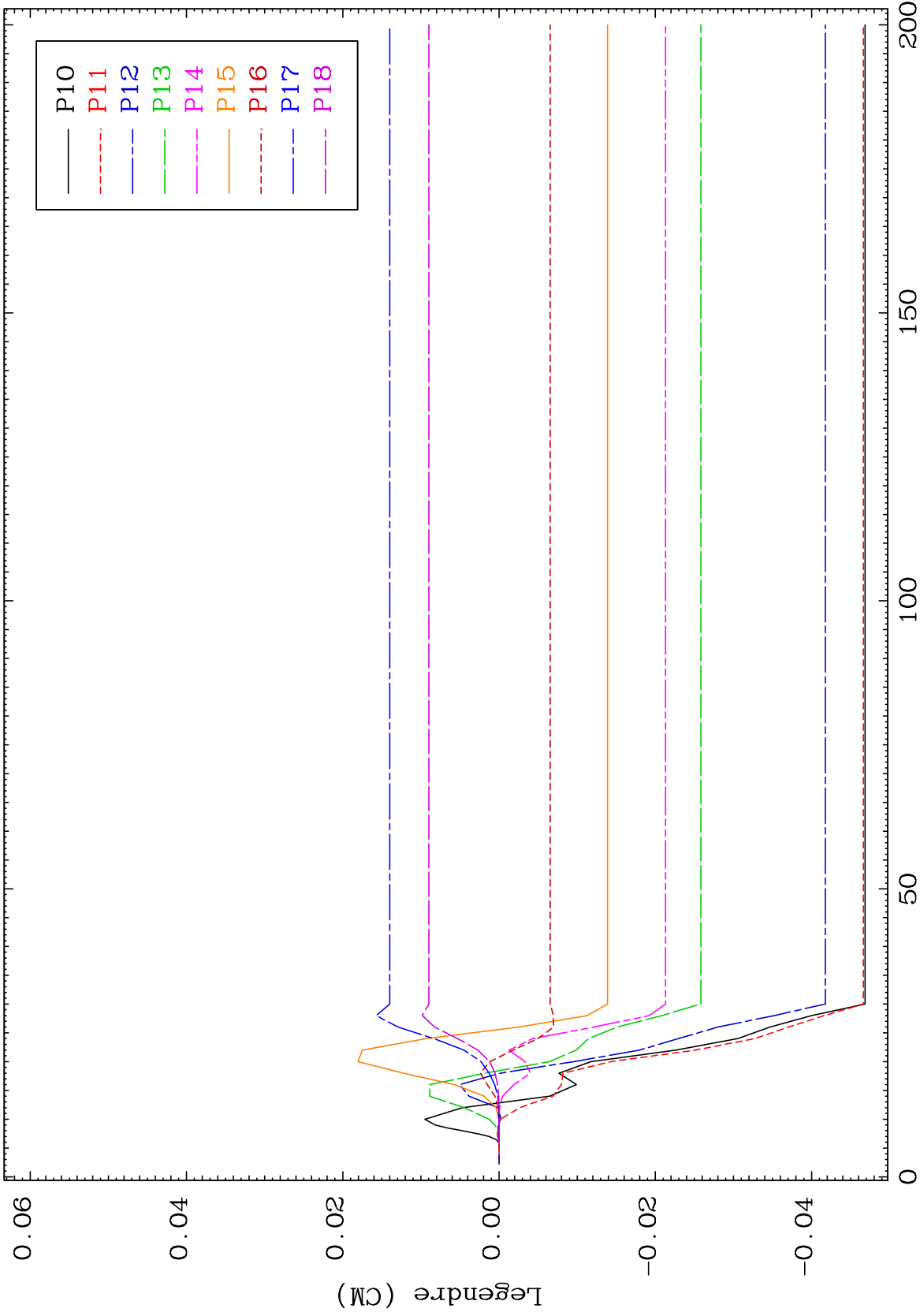
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



29

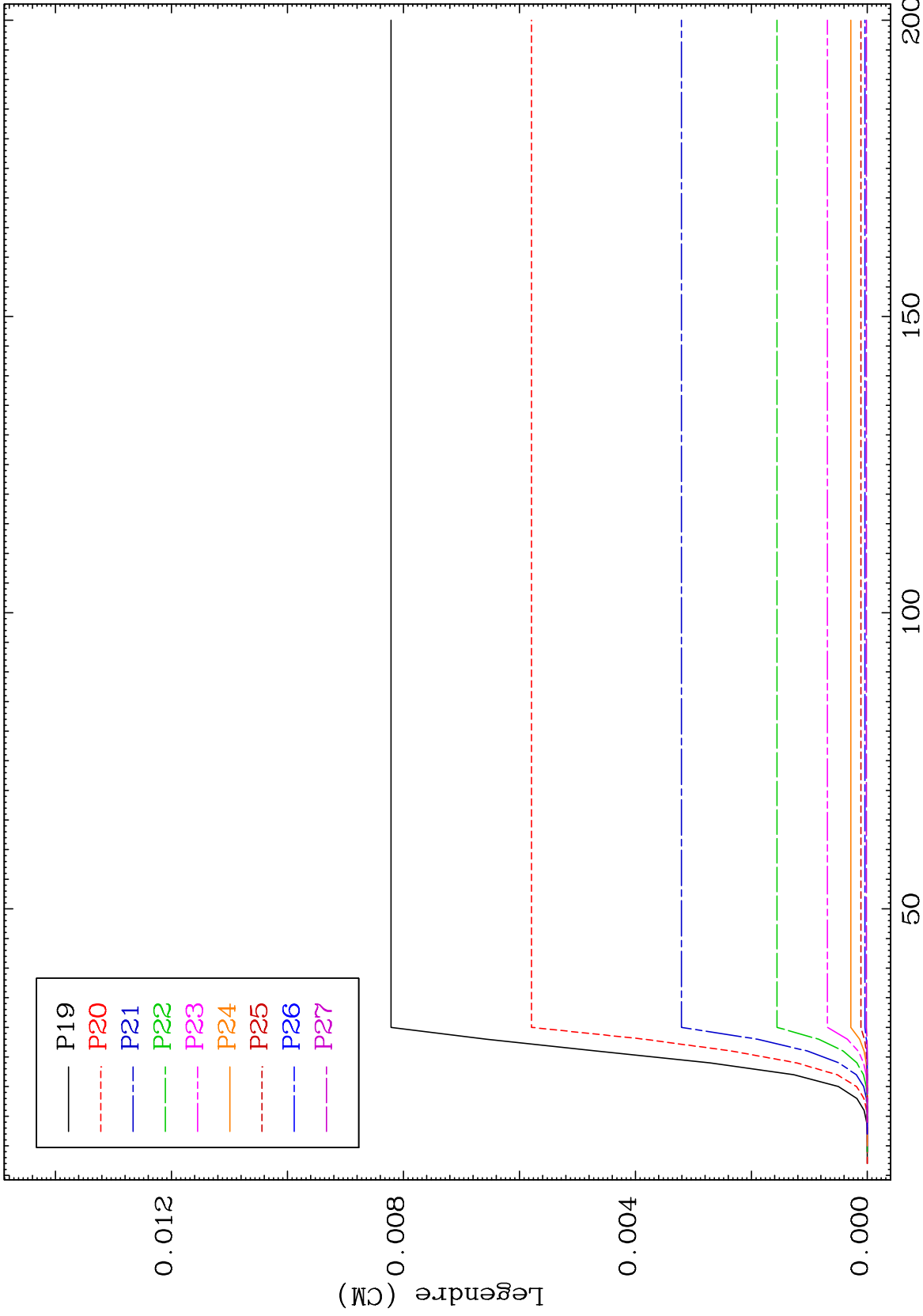
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



30

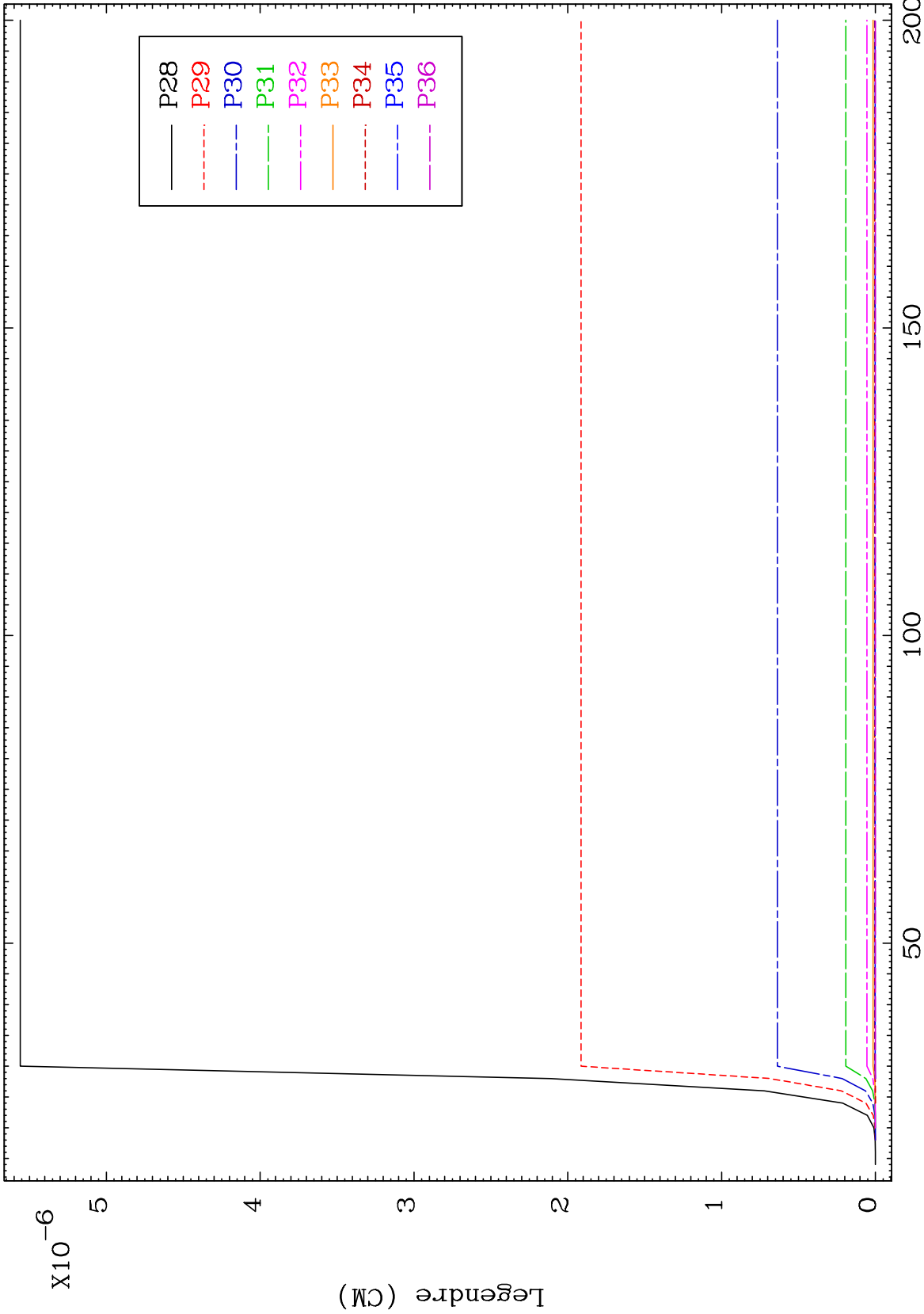
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

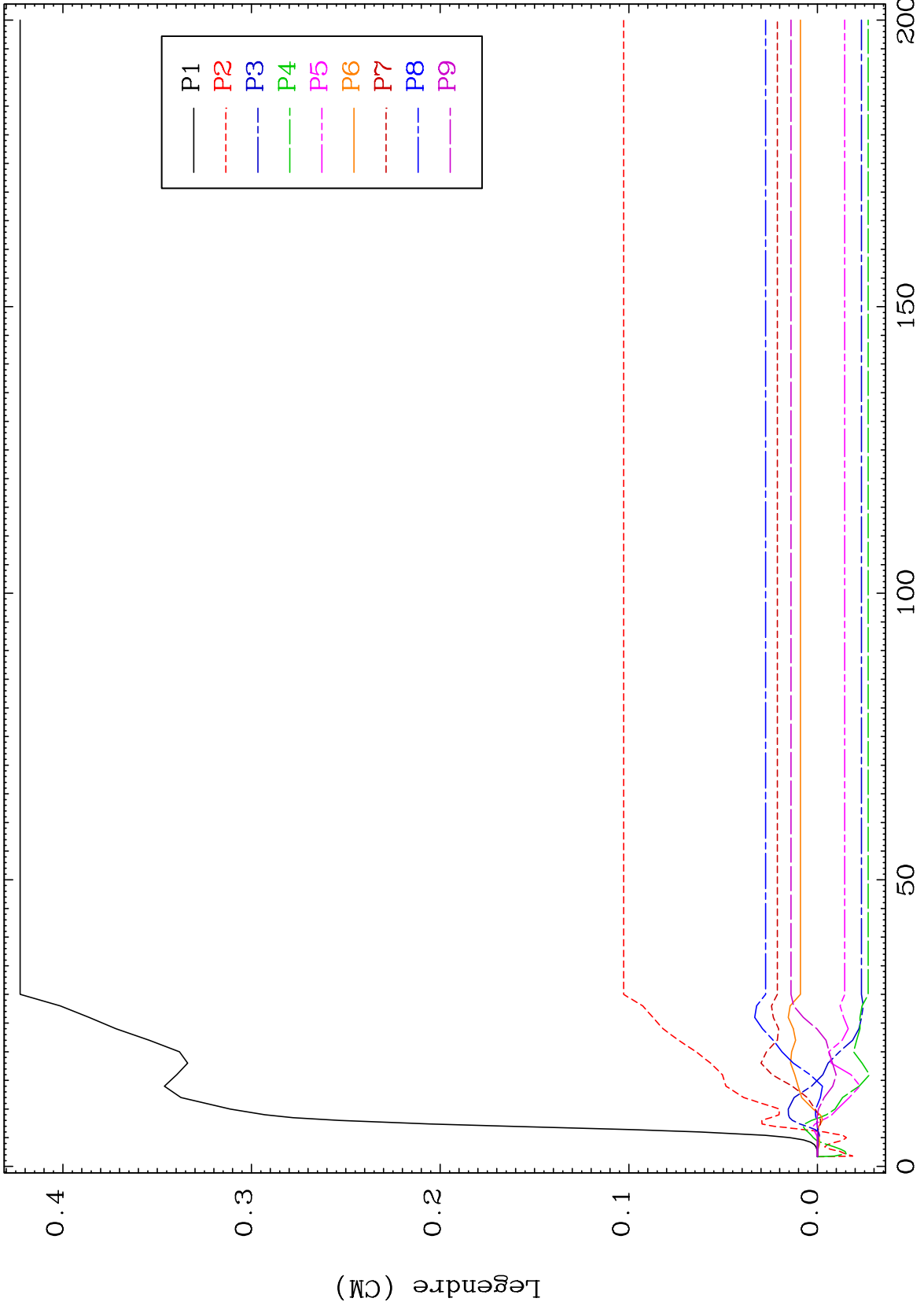
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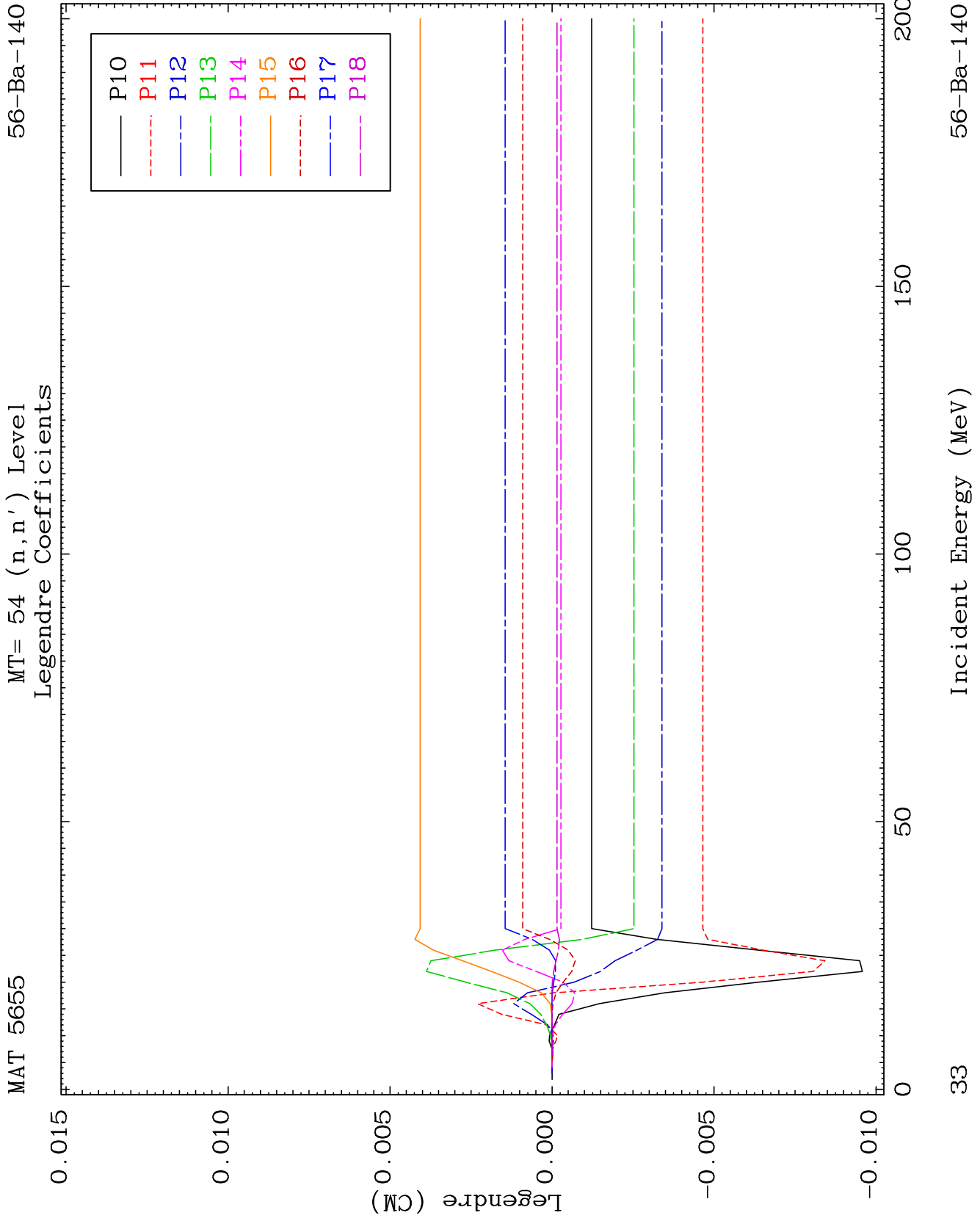
31

56-Ba-140

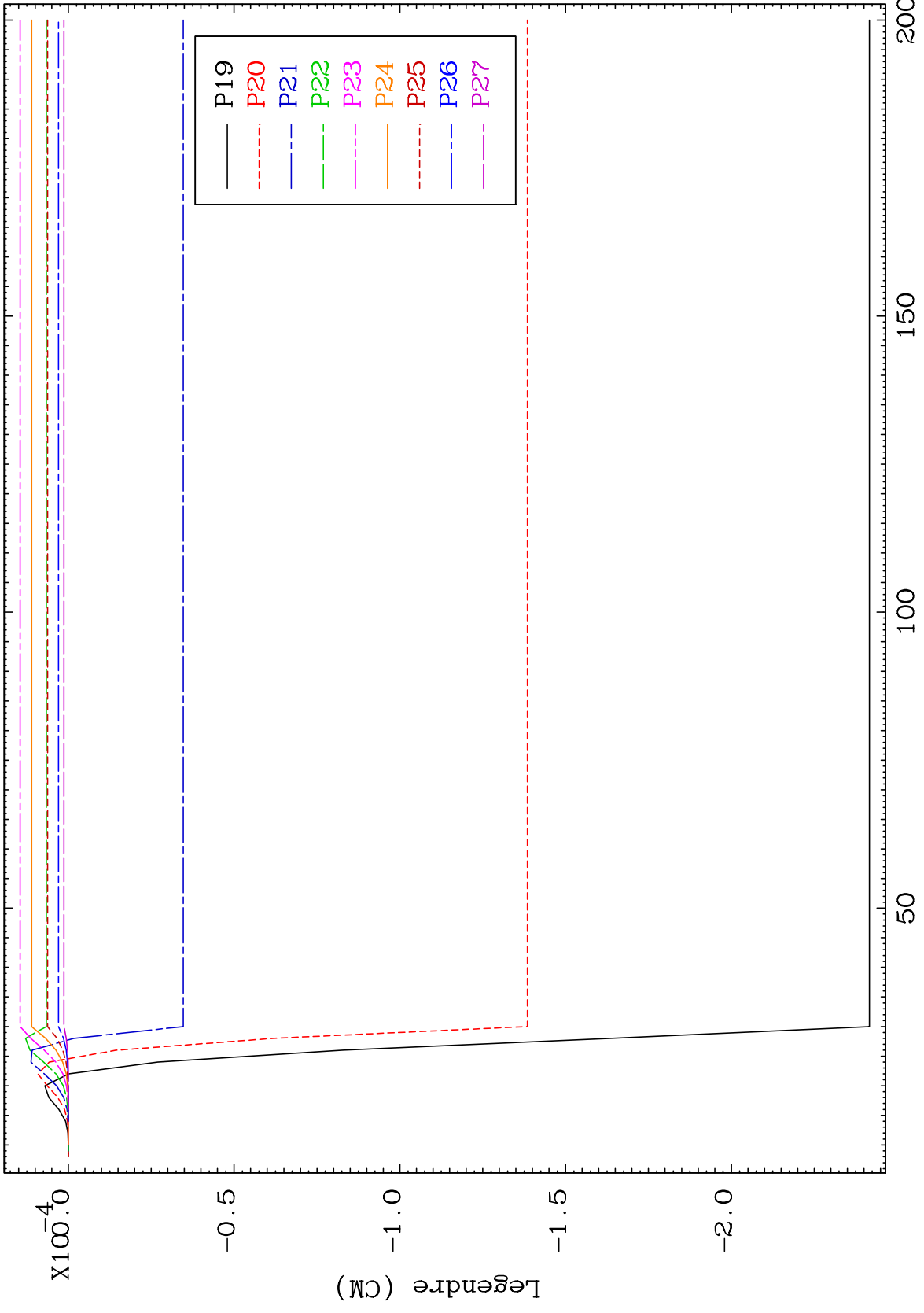
MAT 5655 MT= 54 (n,n') Level Legendre Coefficients 56-Ba-140



32 56-Ba-140



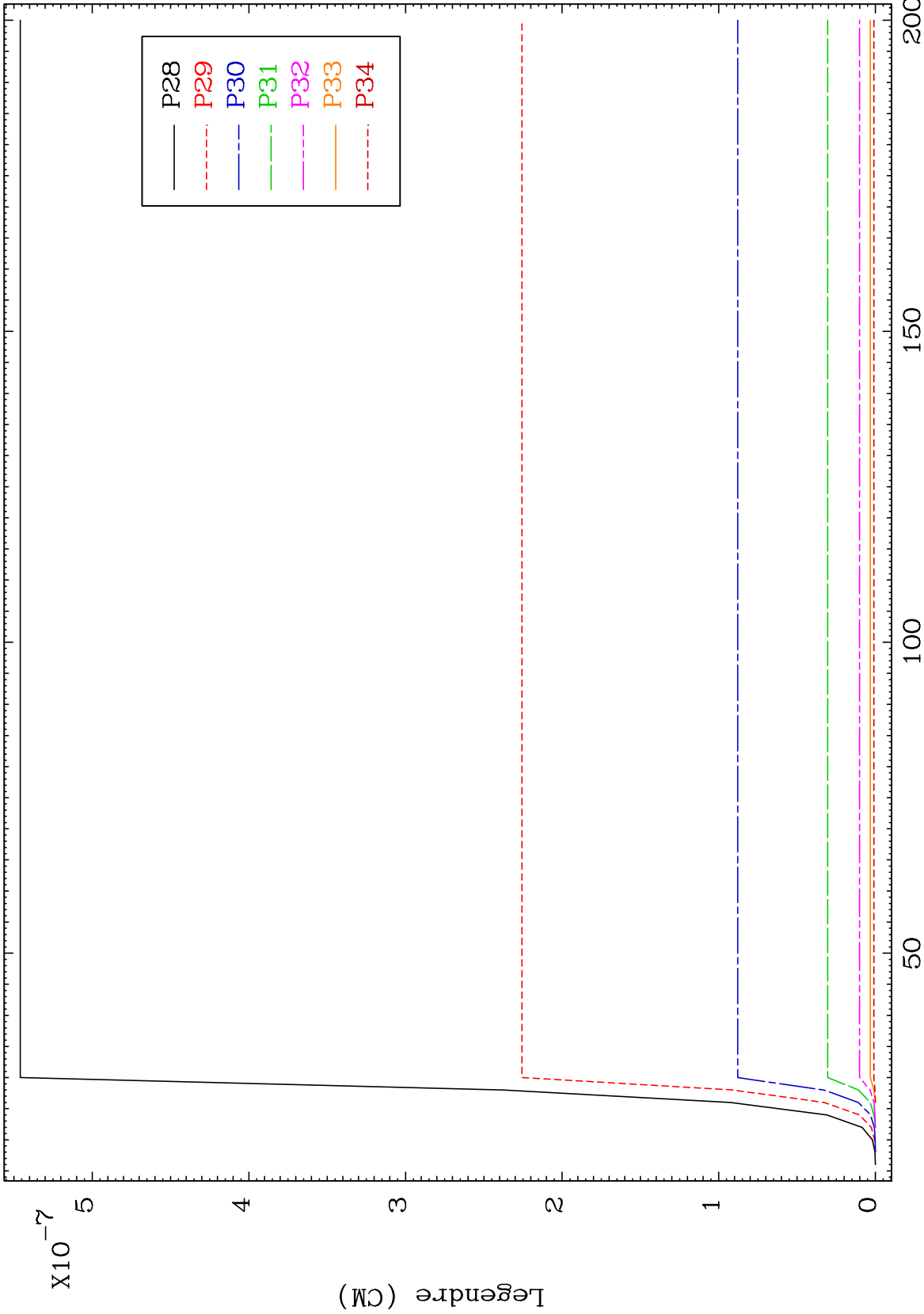
MAT 5655 MT= 54 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655

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

56-Ba-140

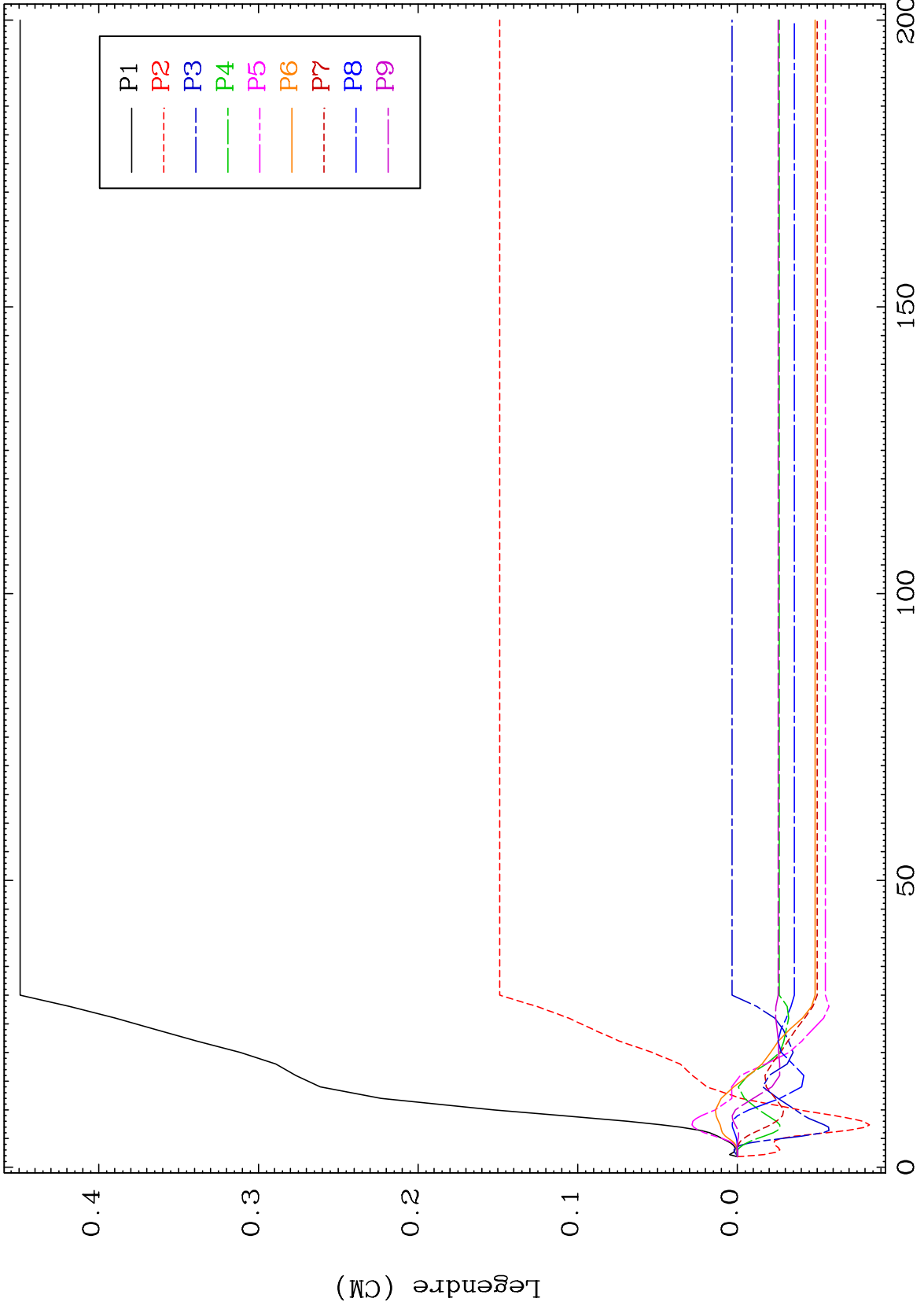


35

Incident Energy (MeV)

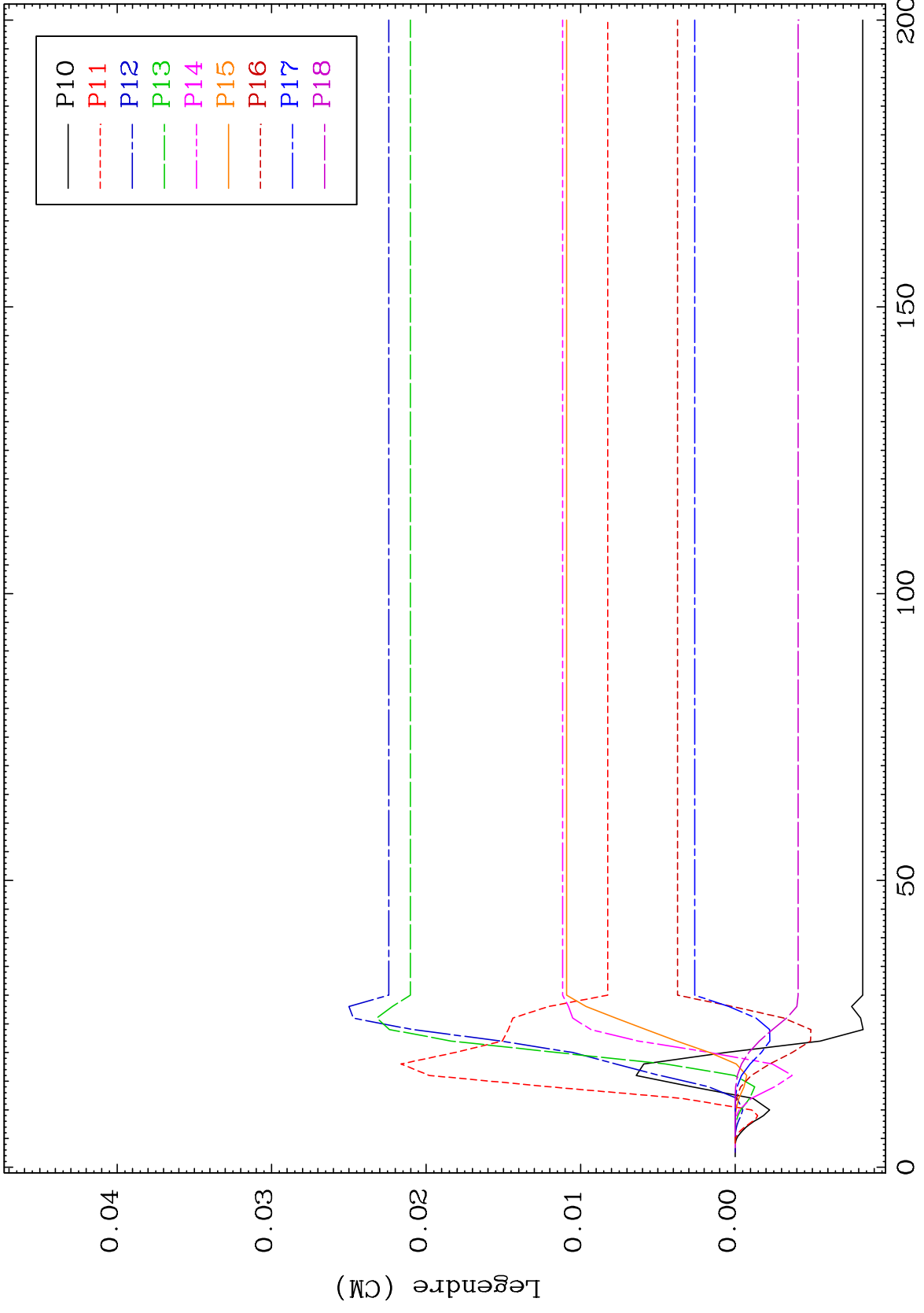
56-Ba-140

MAT 5655 MT= 55 (n,n') Level Legendre Coefficients 56-Ba-140



36 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 55 (n,n') Level Legendre Coefficients 56-Ba-140

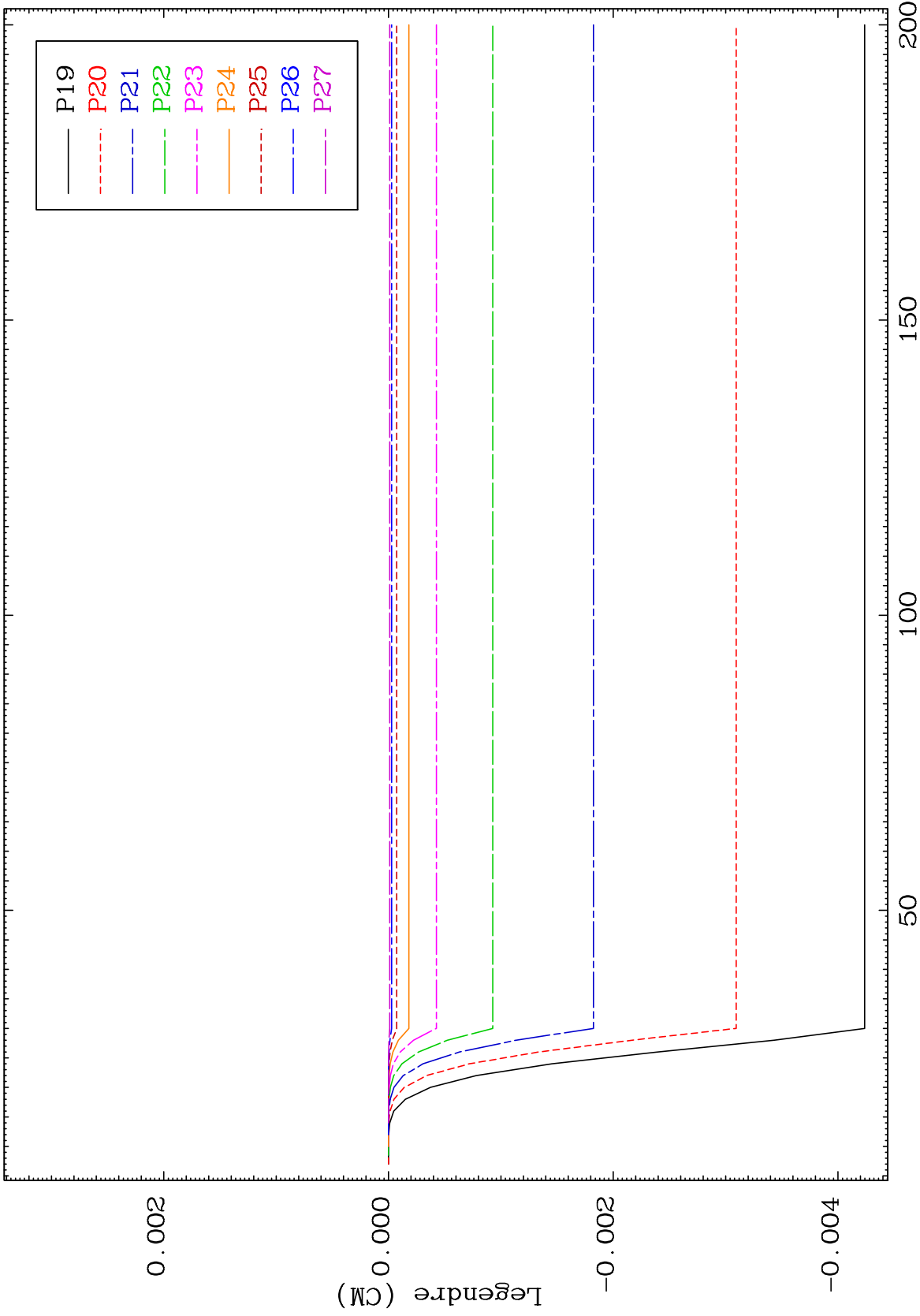


37 56-Ba-140

MAT 5655

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

56-Ba-140



38

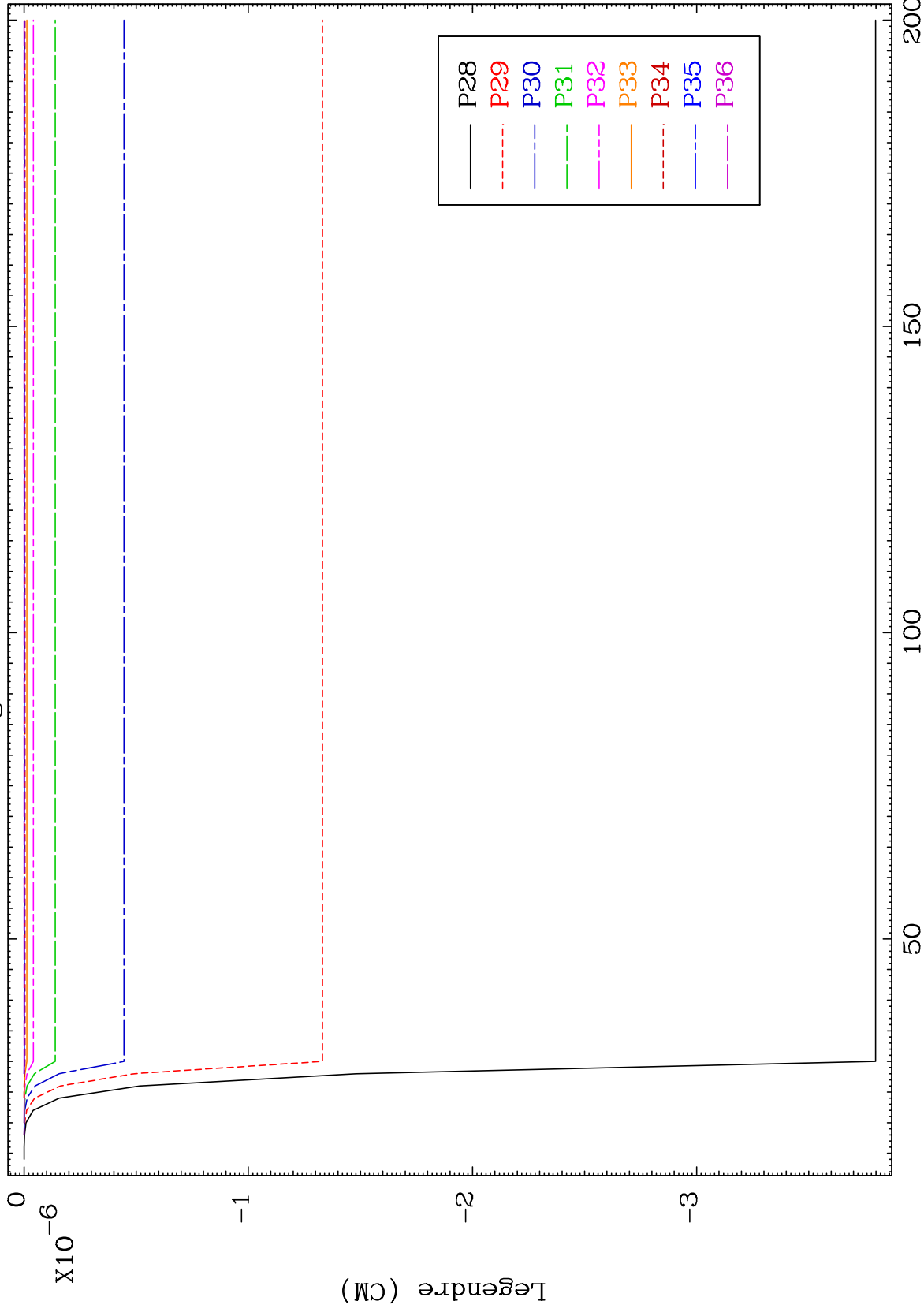
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

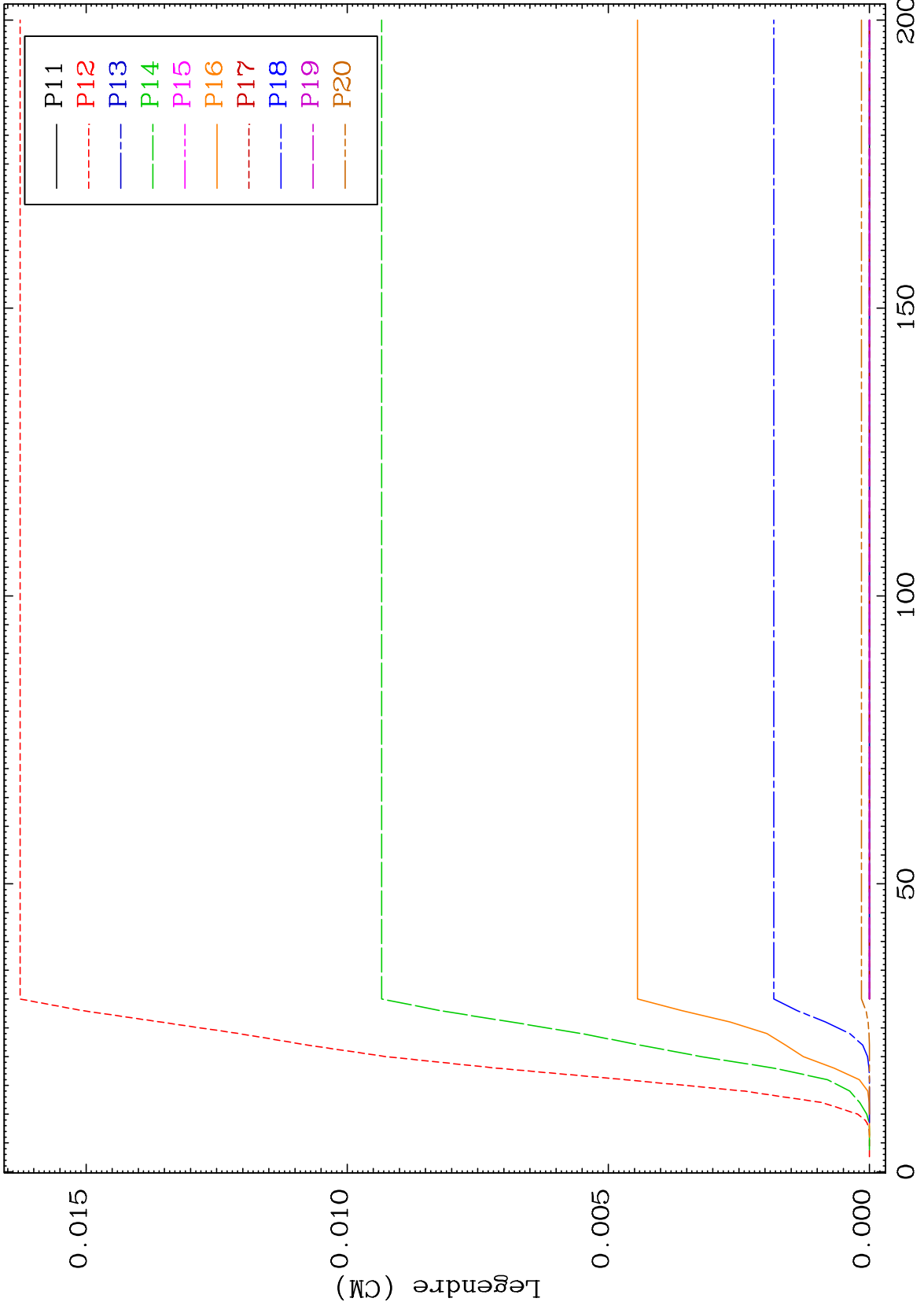
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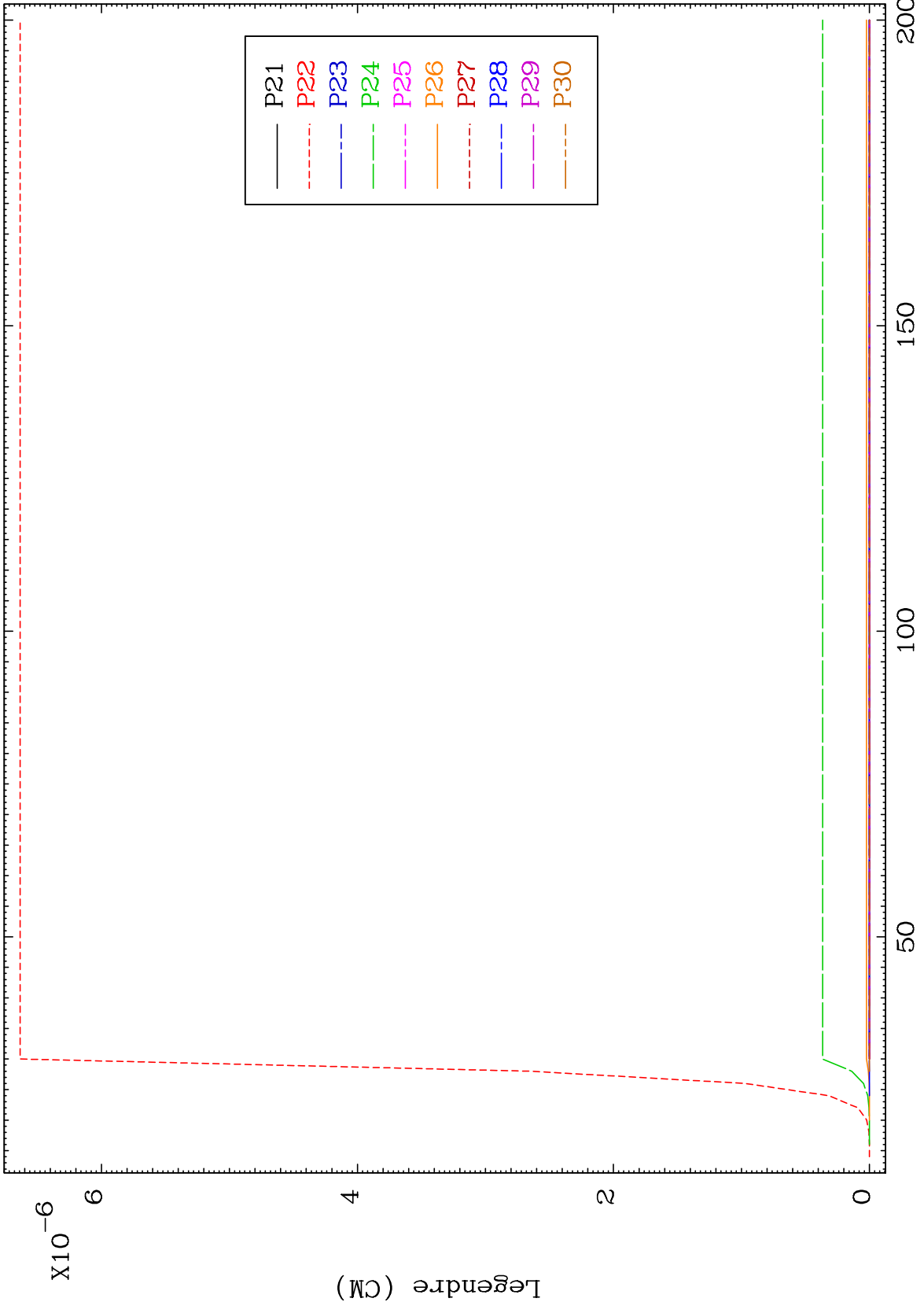
39

56-Ba-140

MAT 5655 MT= 56 (n,n') Level Legendre Coefficients 56-Ba-140

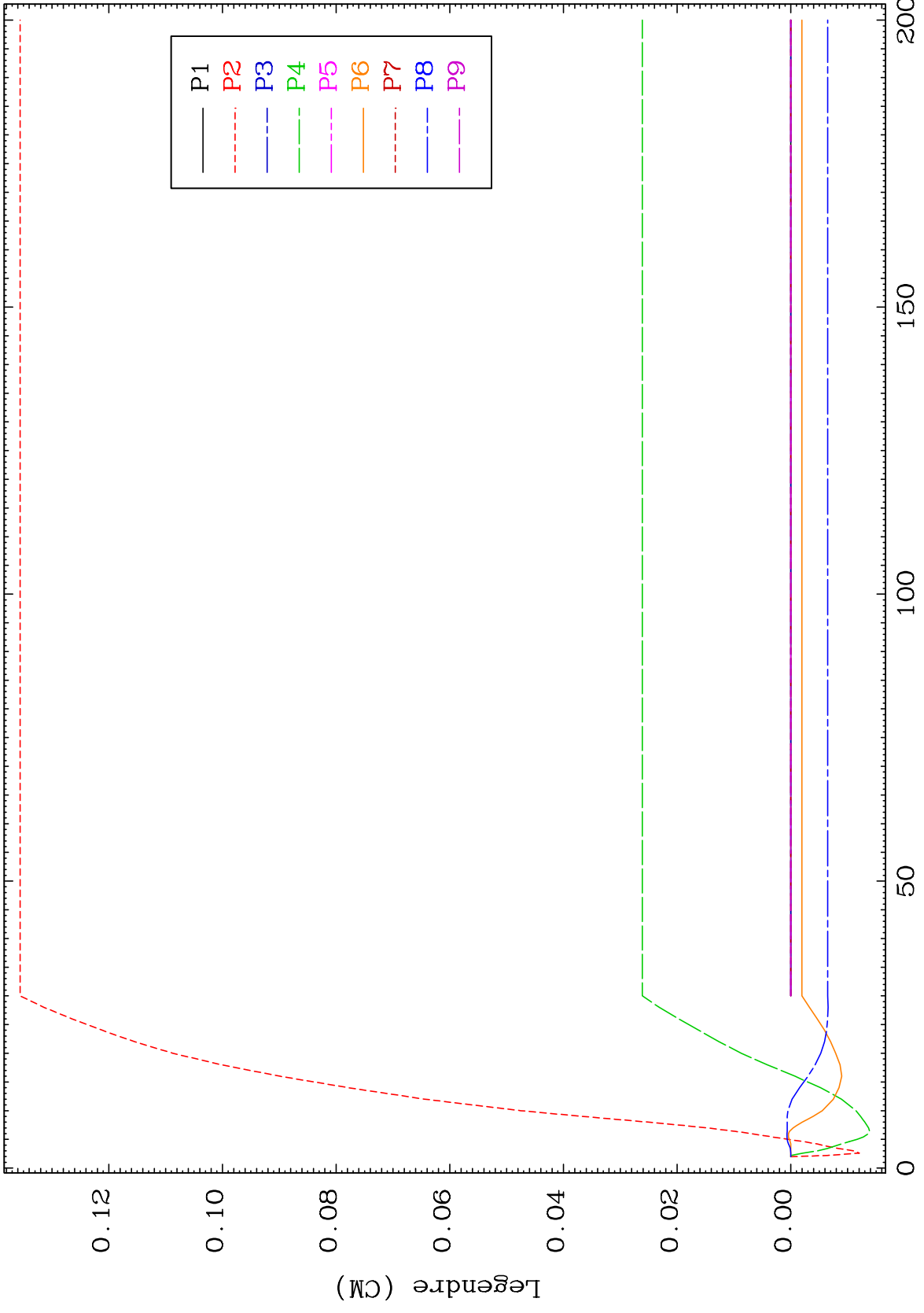


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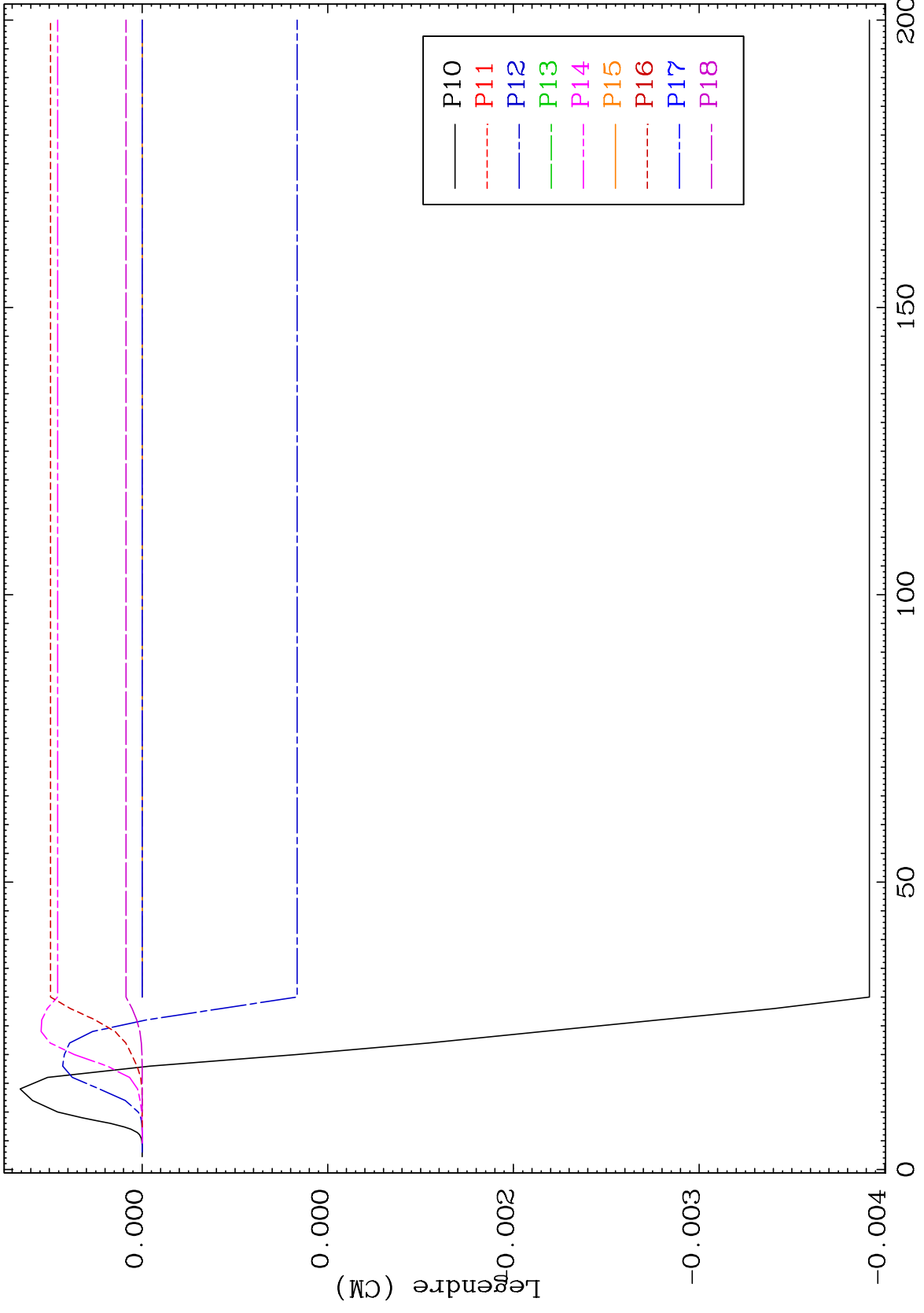
42 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 57 (n,n') Level Legendre Coefficients 56-Ba-140



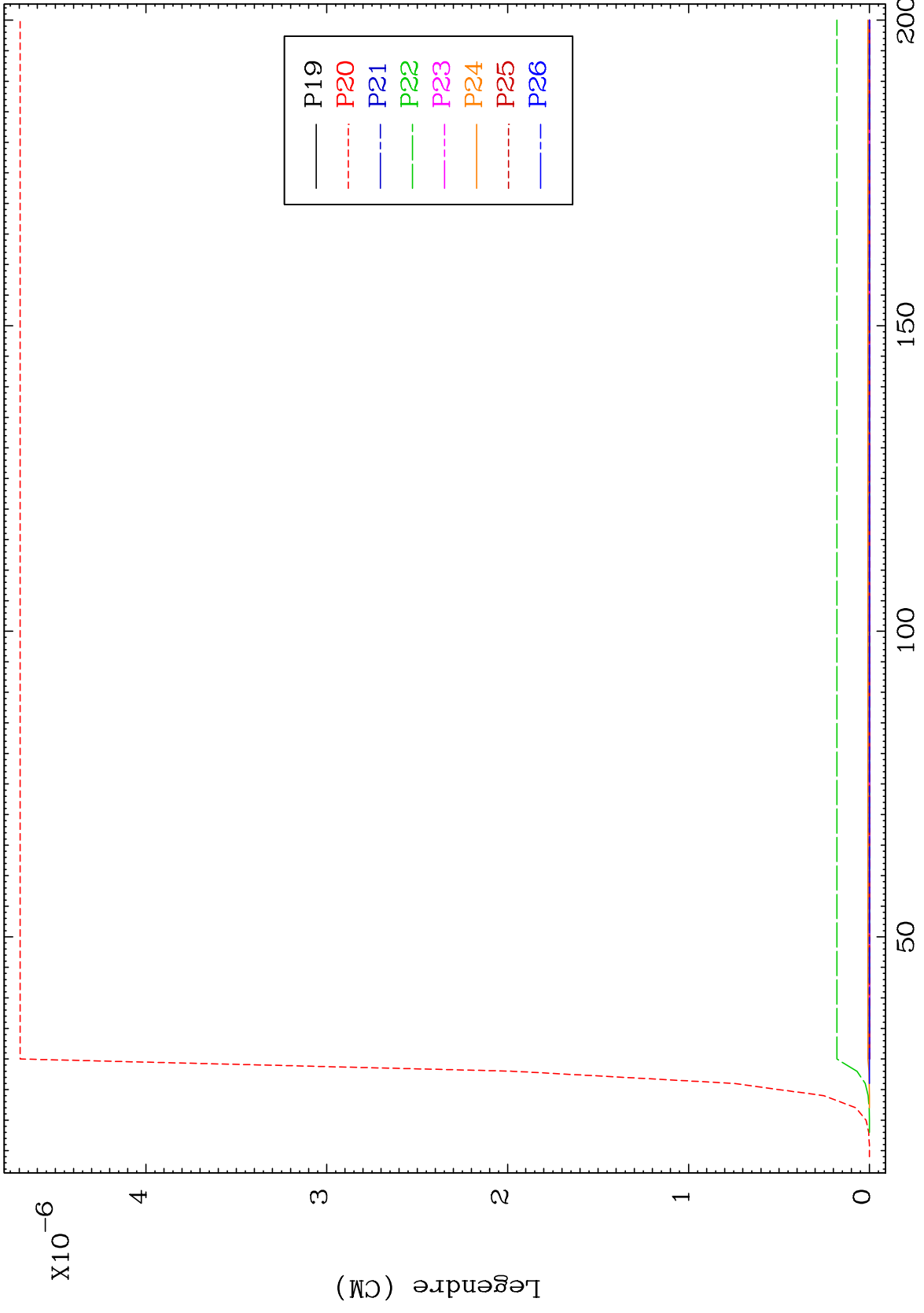
43 56-Ba-140

MAT 5655 MT= 57 (n,n') Level Legendre Coefficients 56-Ba-140



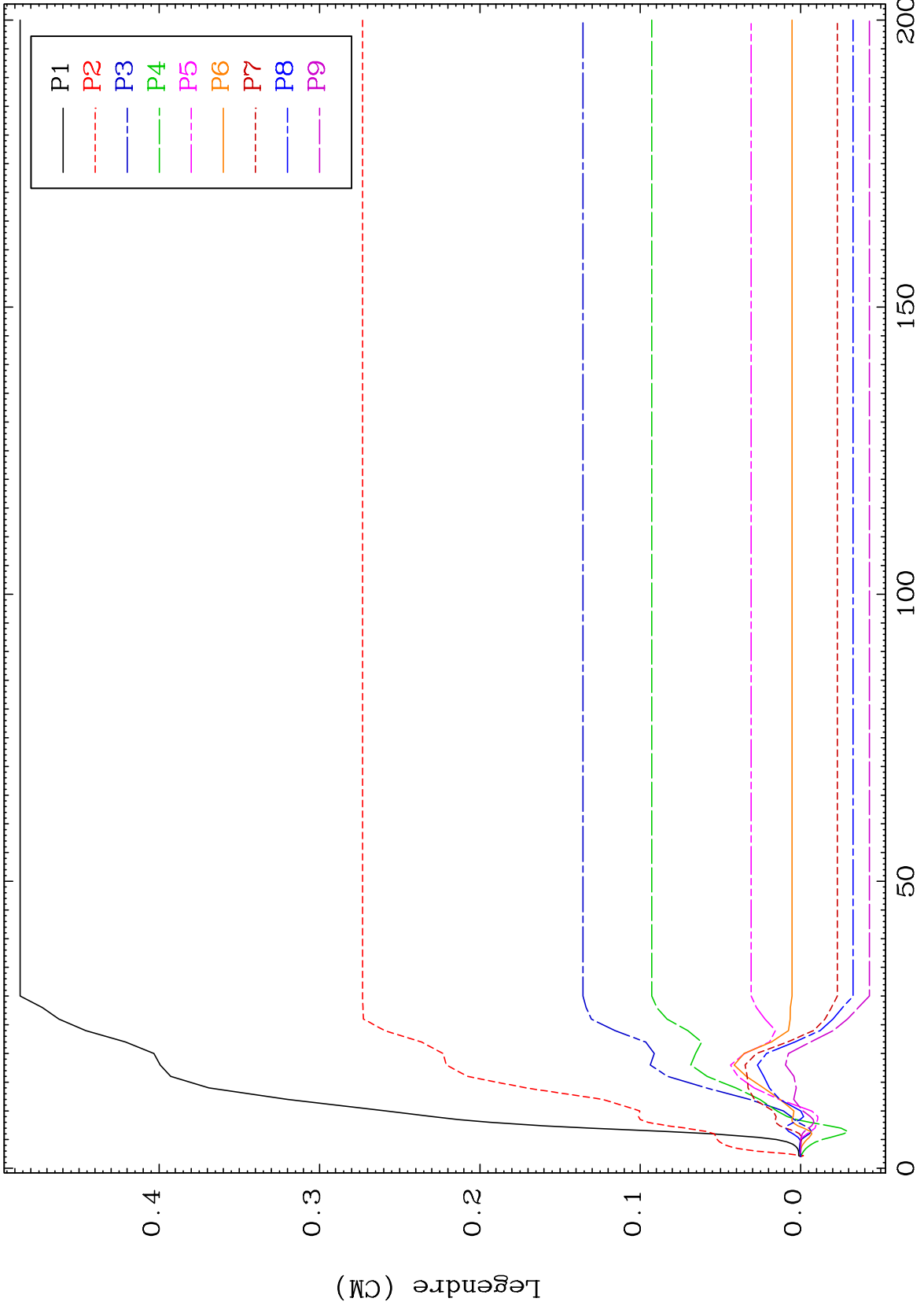
44 56-Ba-140

MAT 5655 MT= 57 (n,n') Level Legendre Coefficients 56-Ba-140

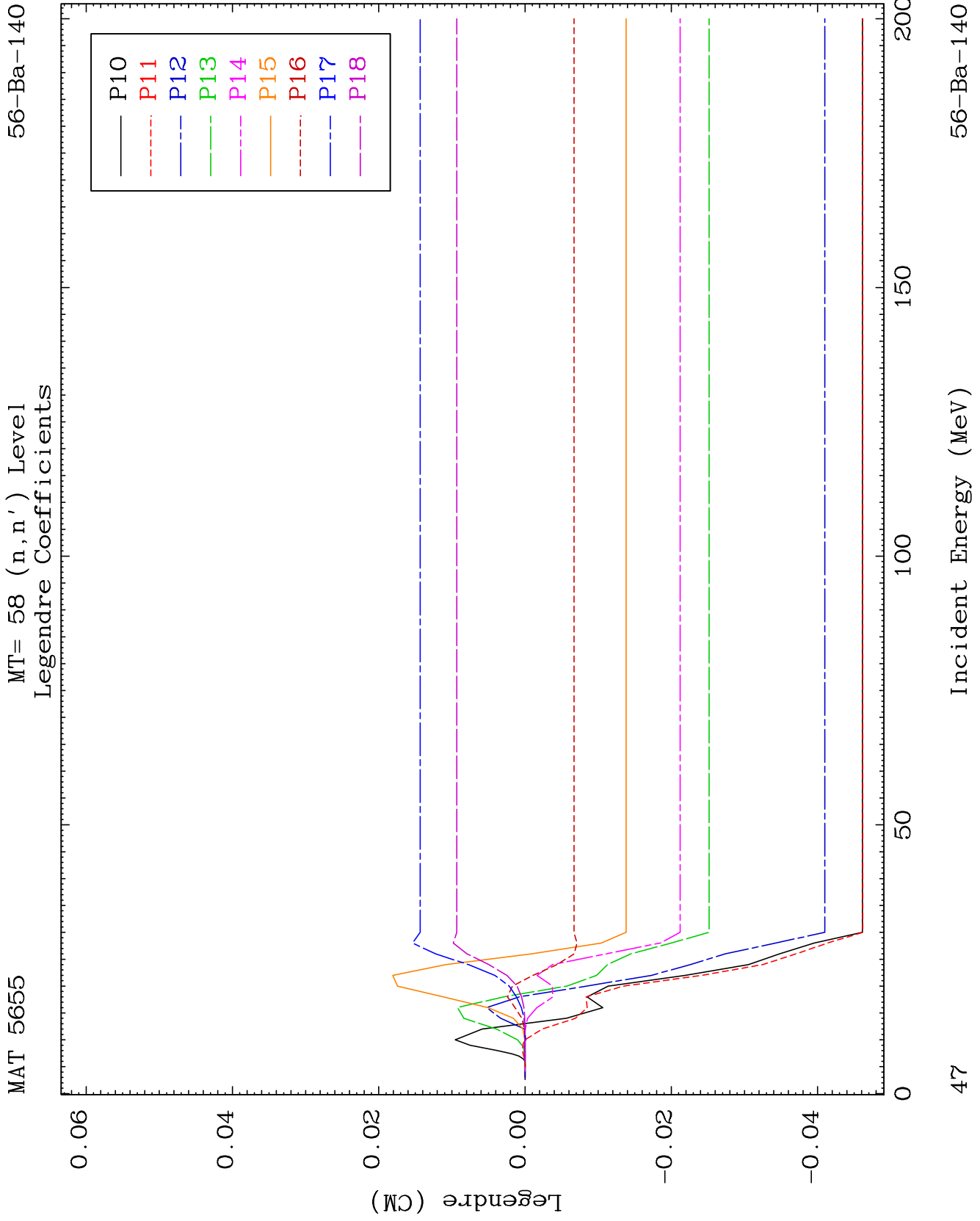


45 50 100 150 200 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 58 (n,n') Level Legendre Coefficients 56-Ba-140



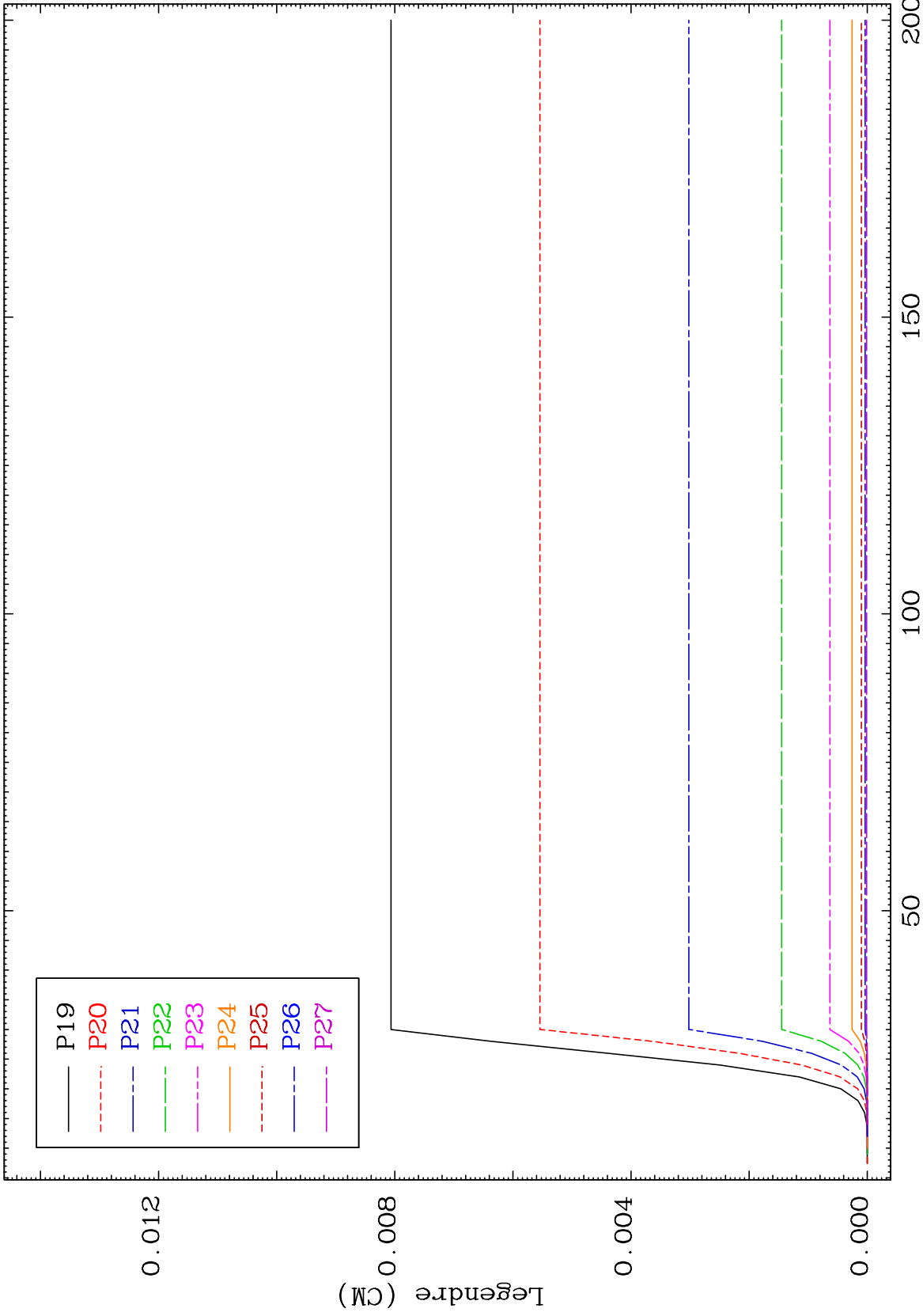
46 56-Ba-140



MAT 5655

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

56-Ba-140

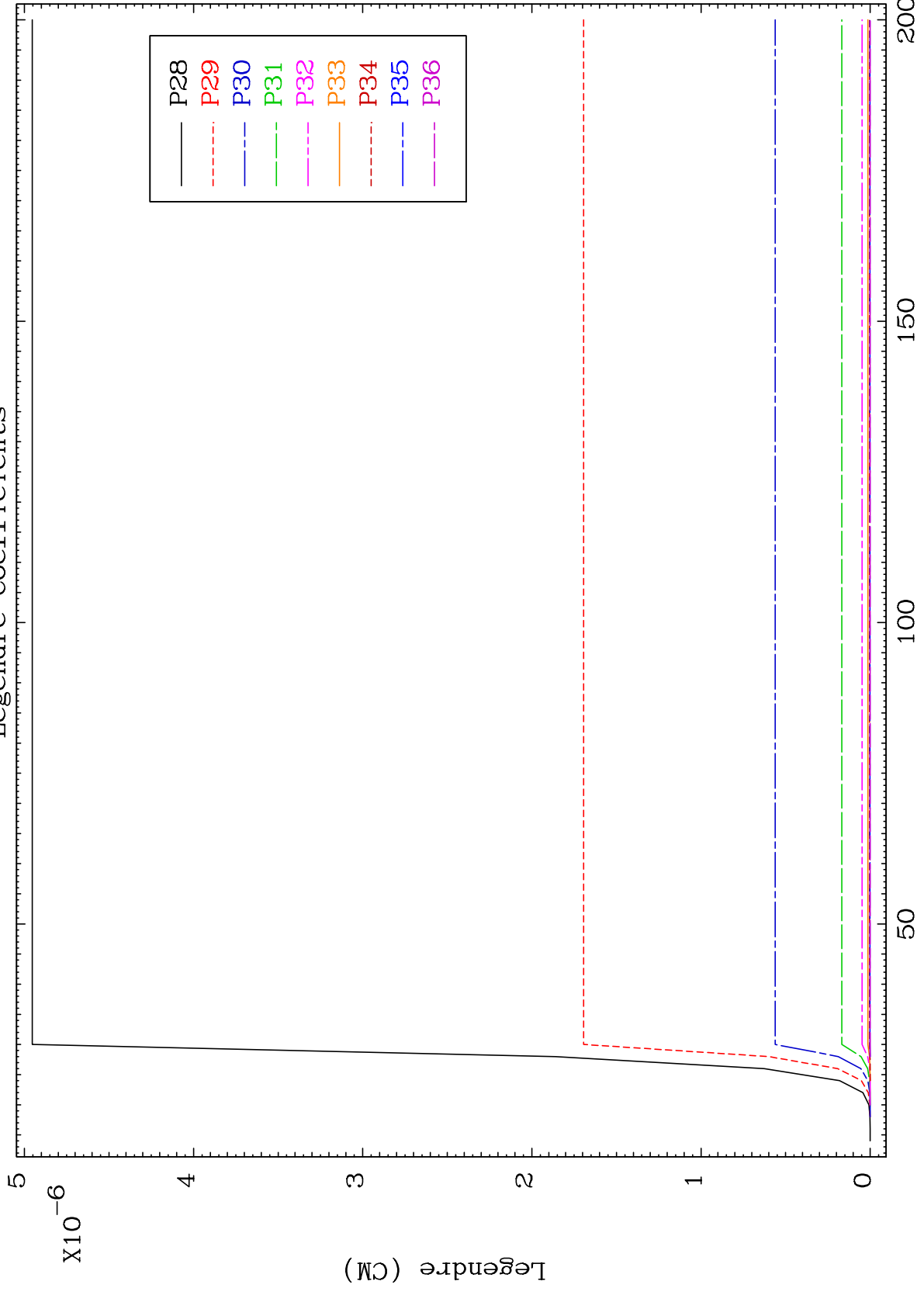


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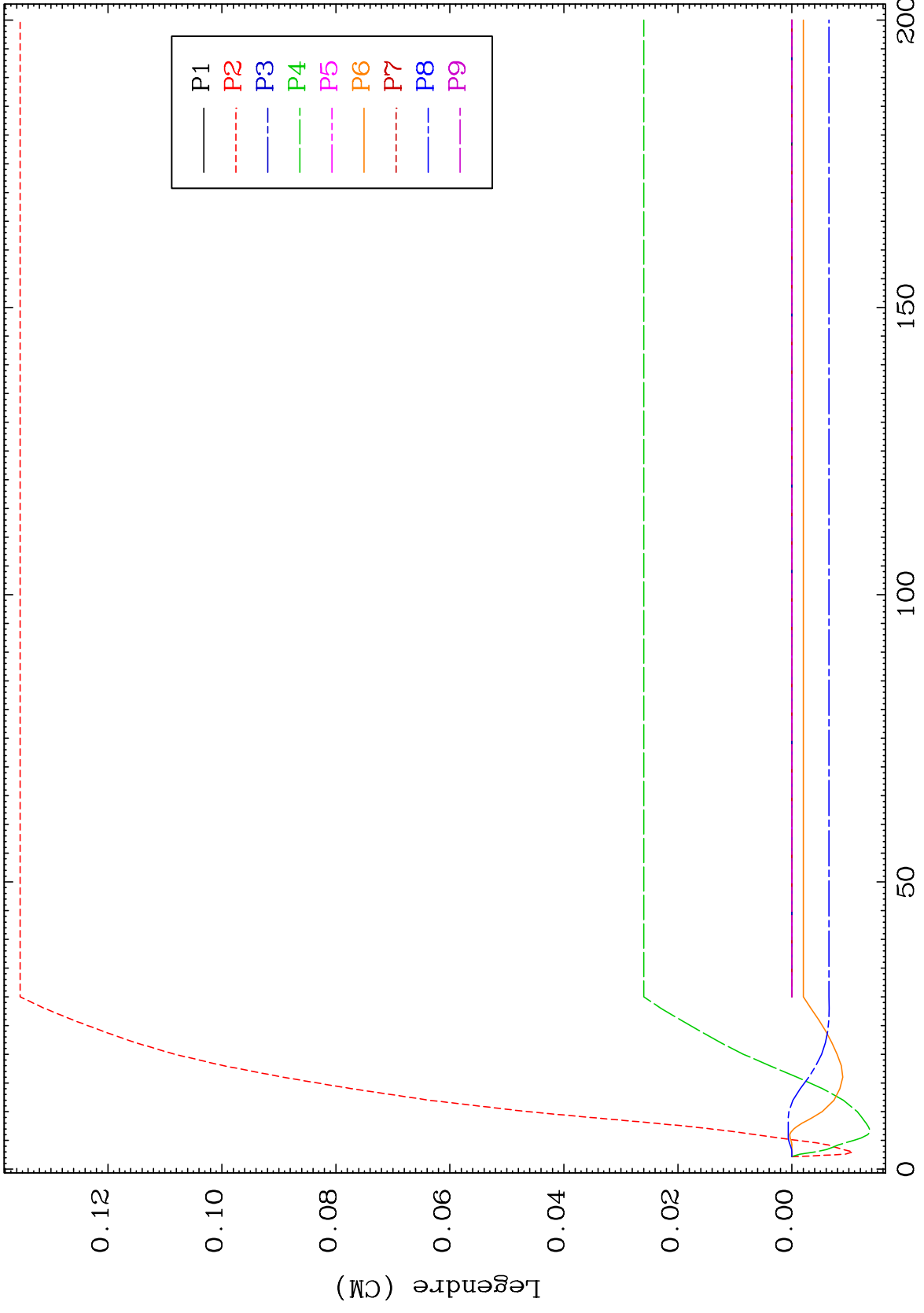
Incident Energy (MeV)

56-Ba-140

MAT 5655 MT= 58 (n,n') Level Legendre Coefficients 56-Ba-140

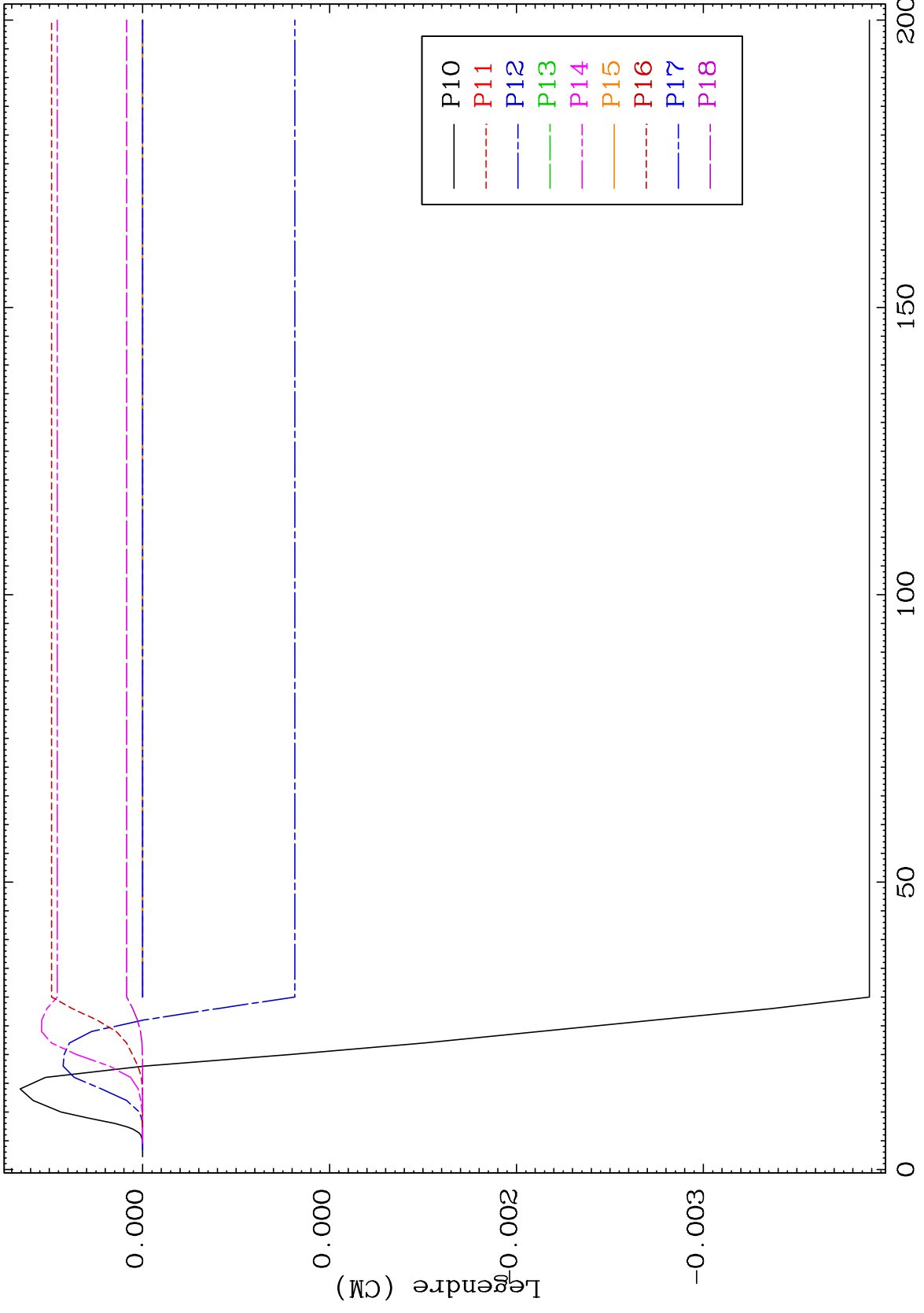


MAT 5655 MT= 59 (n,n') Level Legendre Coefficients 56-Ba-140



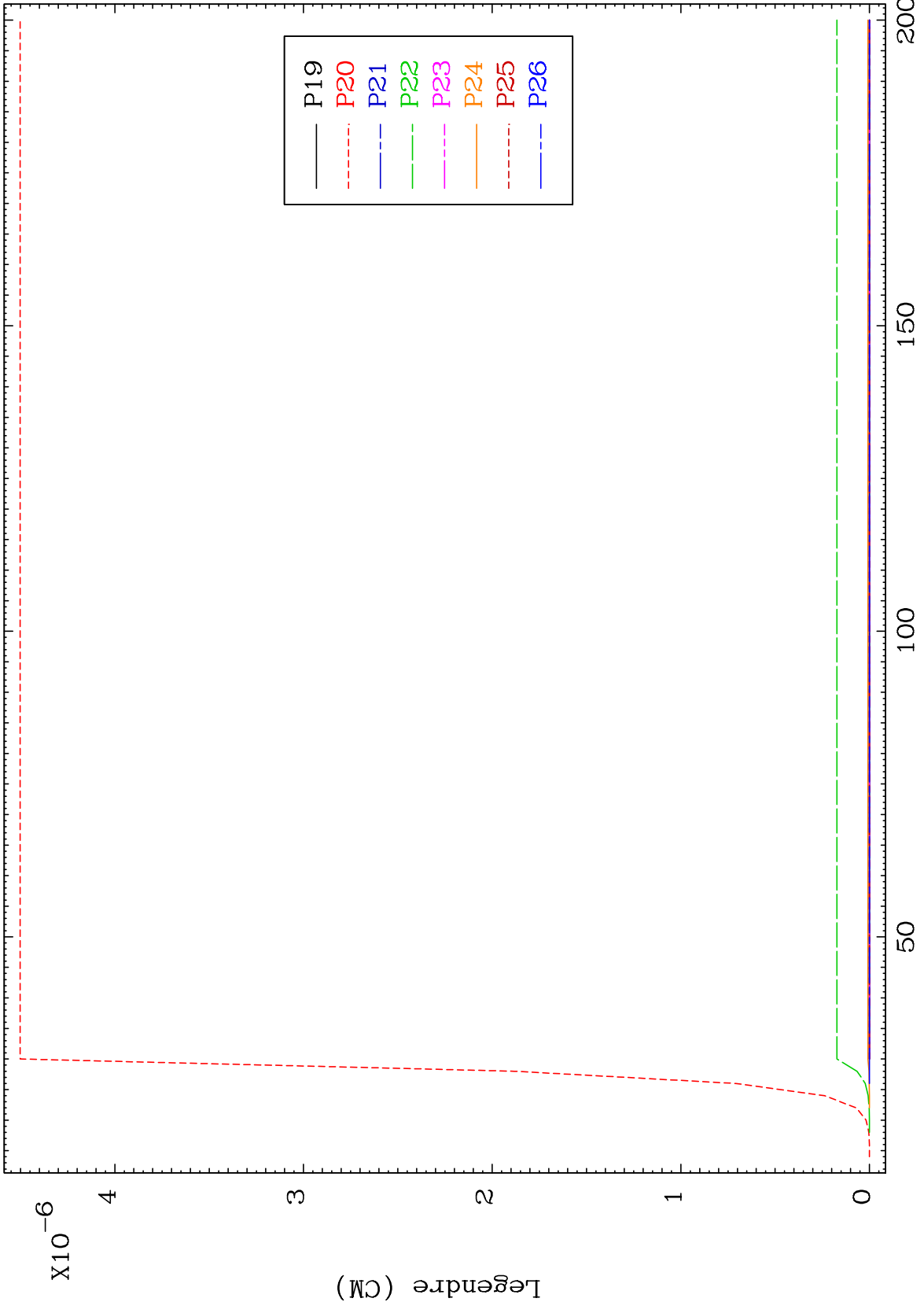
Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 59 (n,n') Level Legendre Coefficients 56-Ba-140



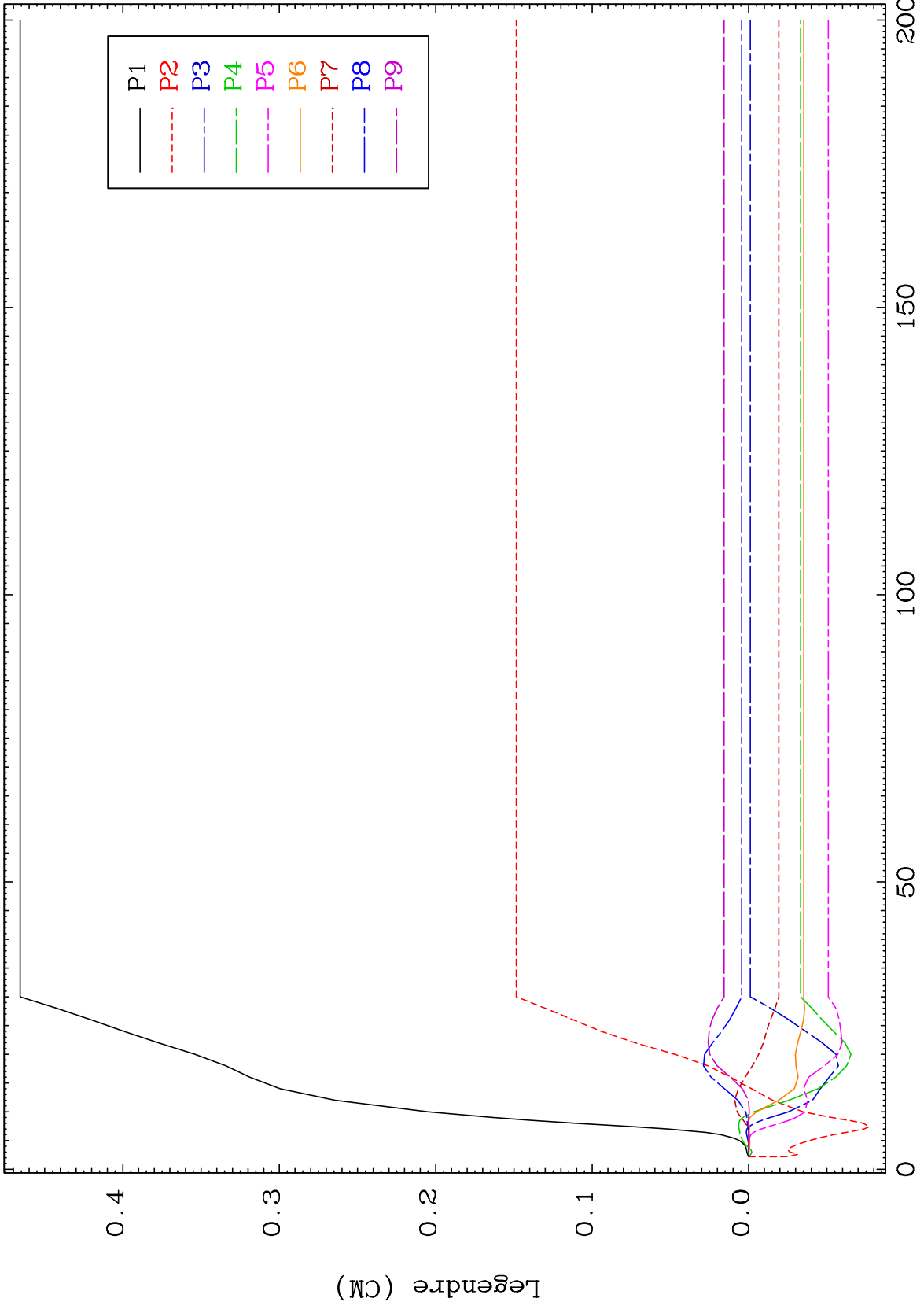
51 56-Ba-140

MAT 5655 MT= 59 (n,n') Level Legendre Coefficients 56-Ba-140



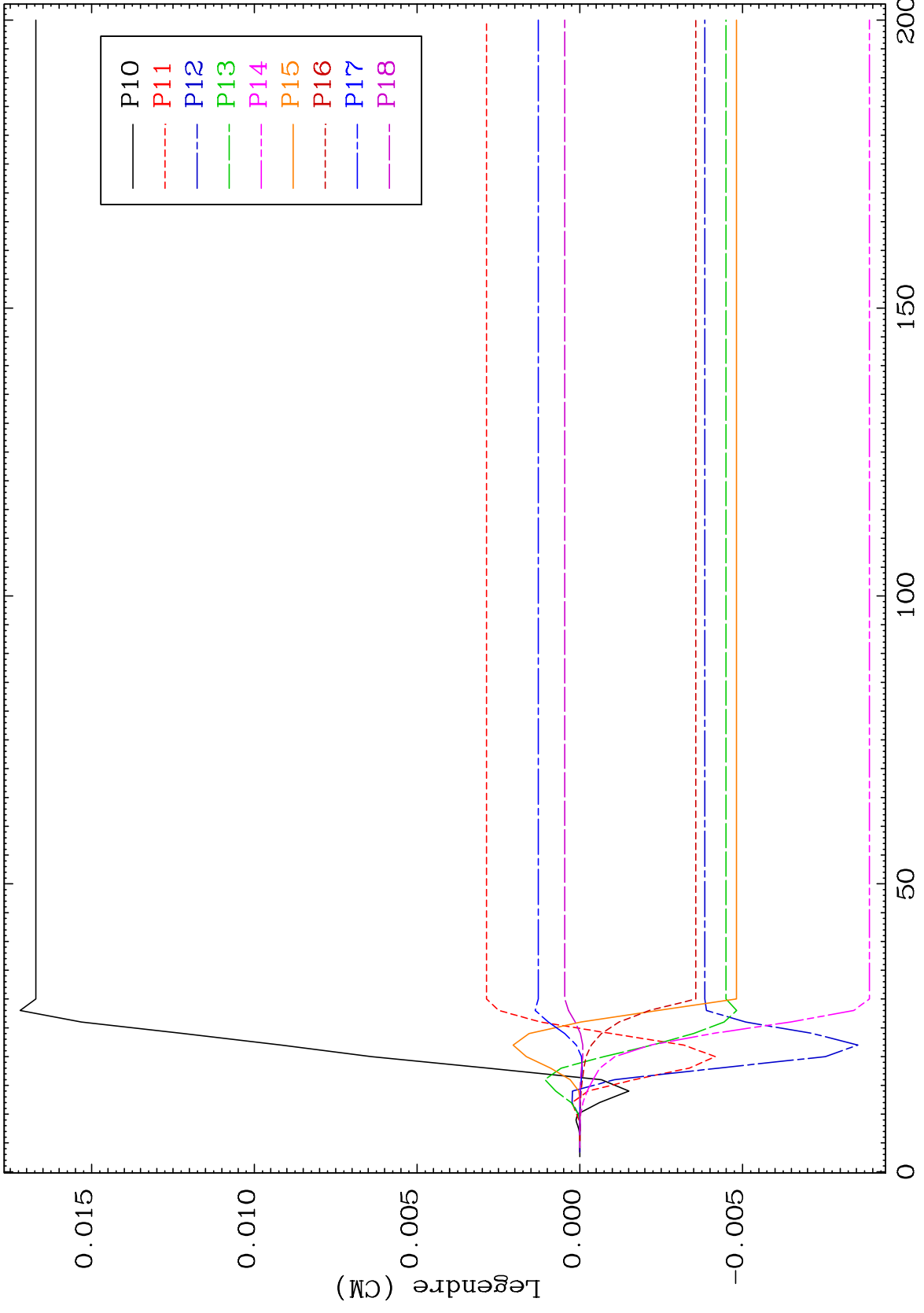
52 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-140



53 56-Ba-140

MAT 5655 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-140

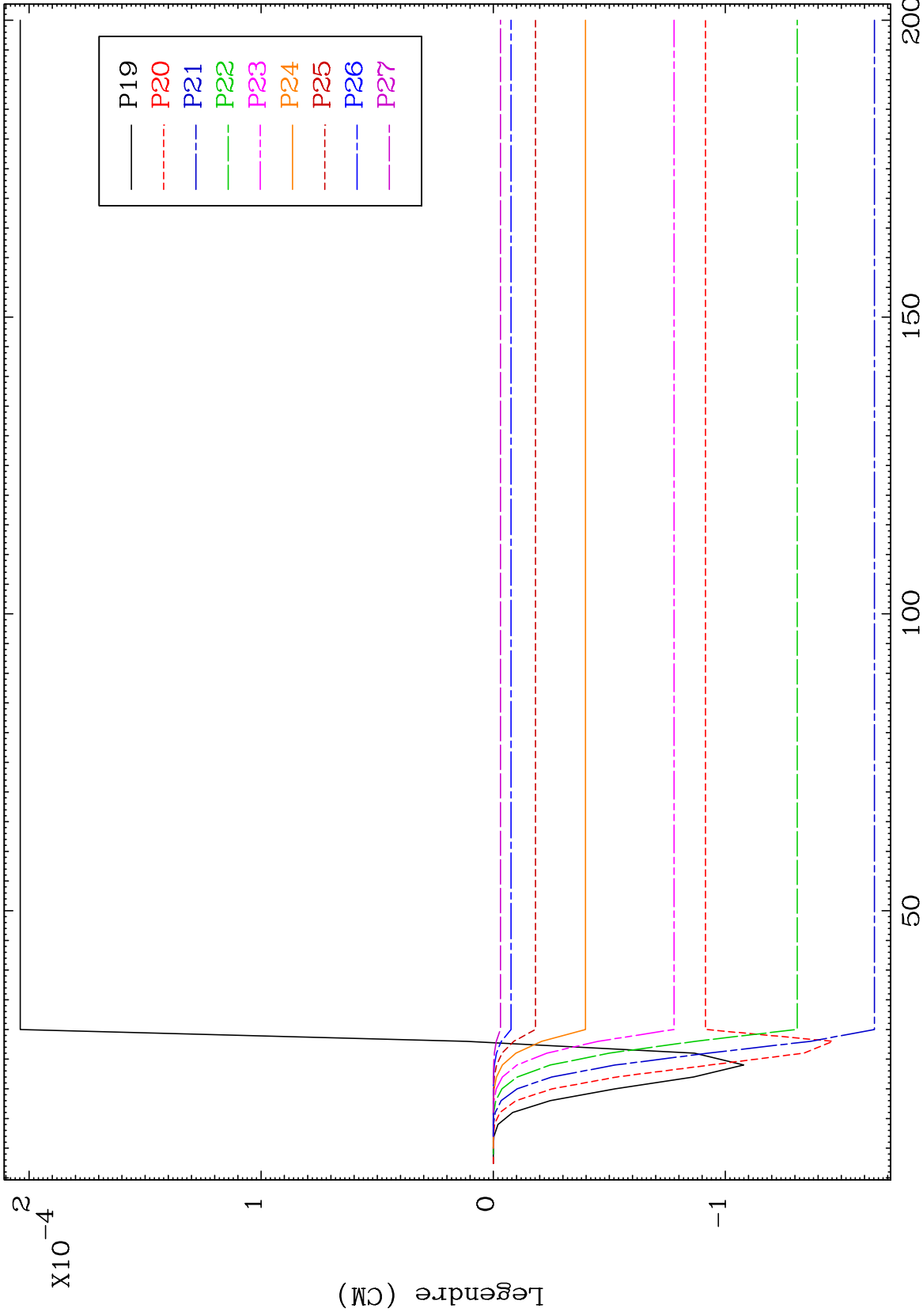


54 56-Ba-140

MAT 5655

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

56-Ba-140

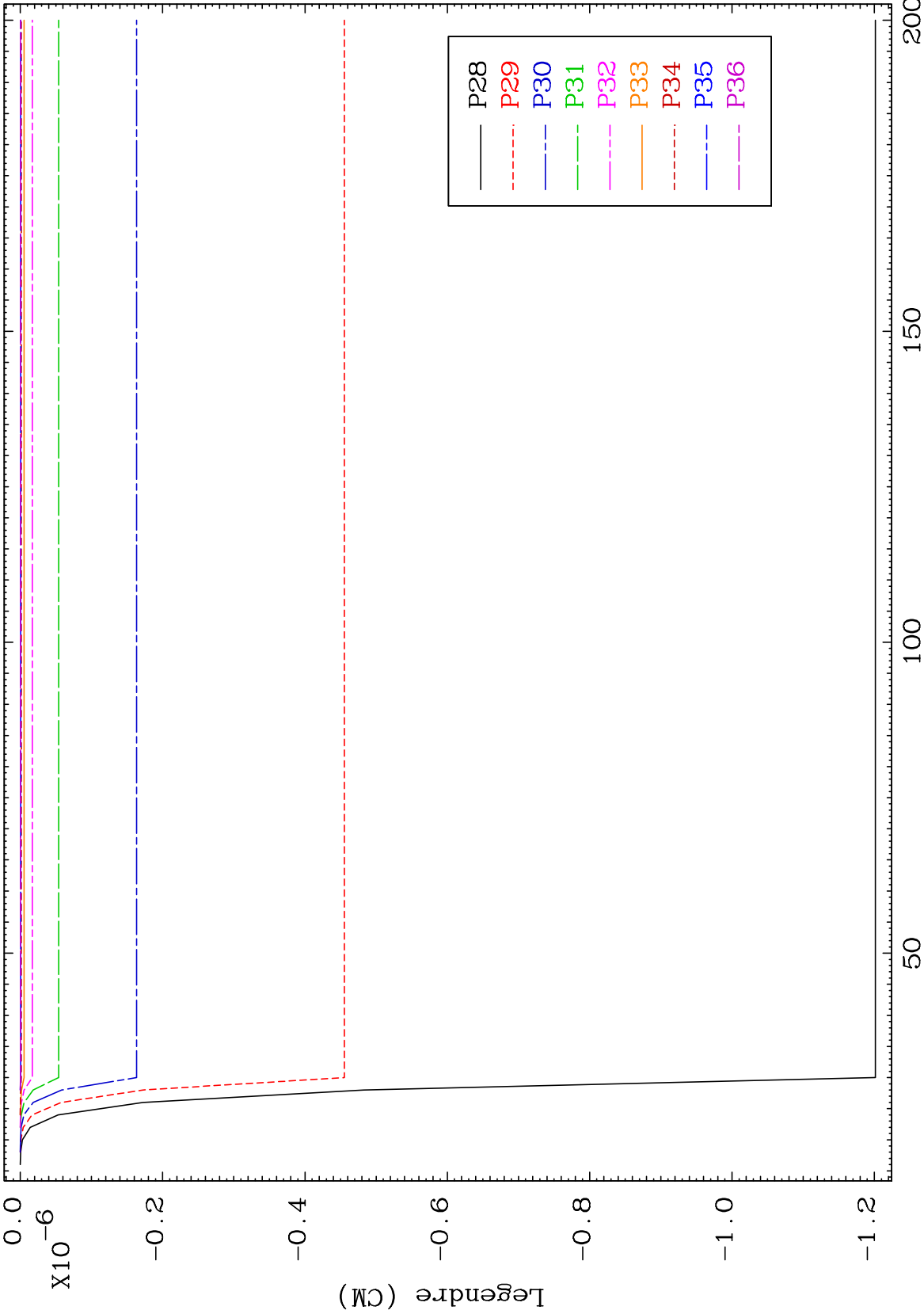


55

Incident Energy (MeV)

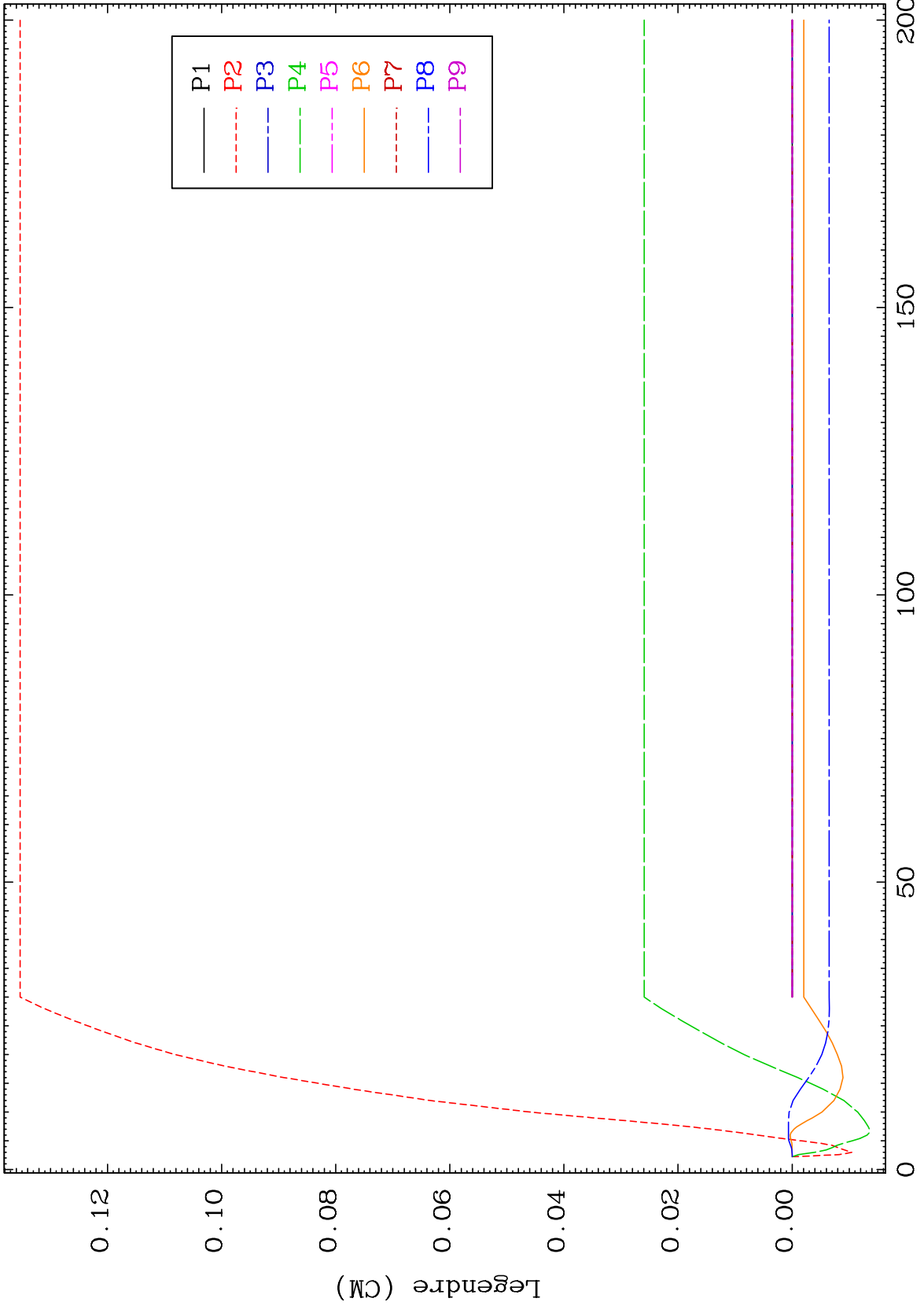
56-Ba-140

MAT 5655 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-140



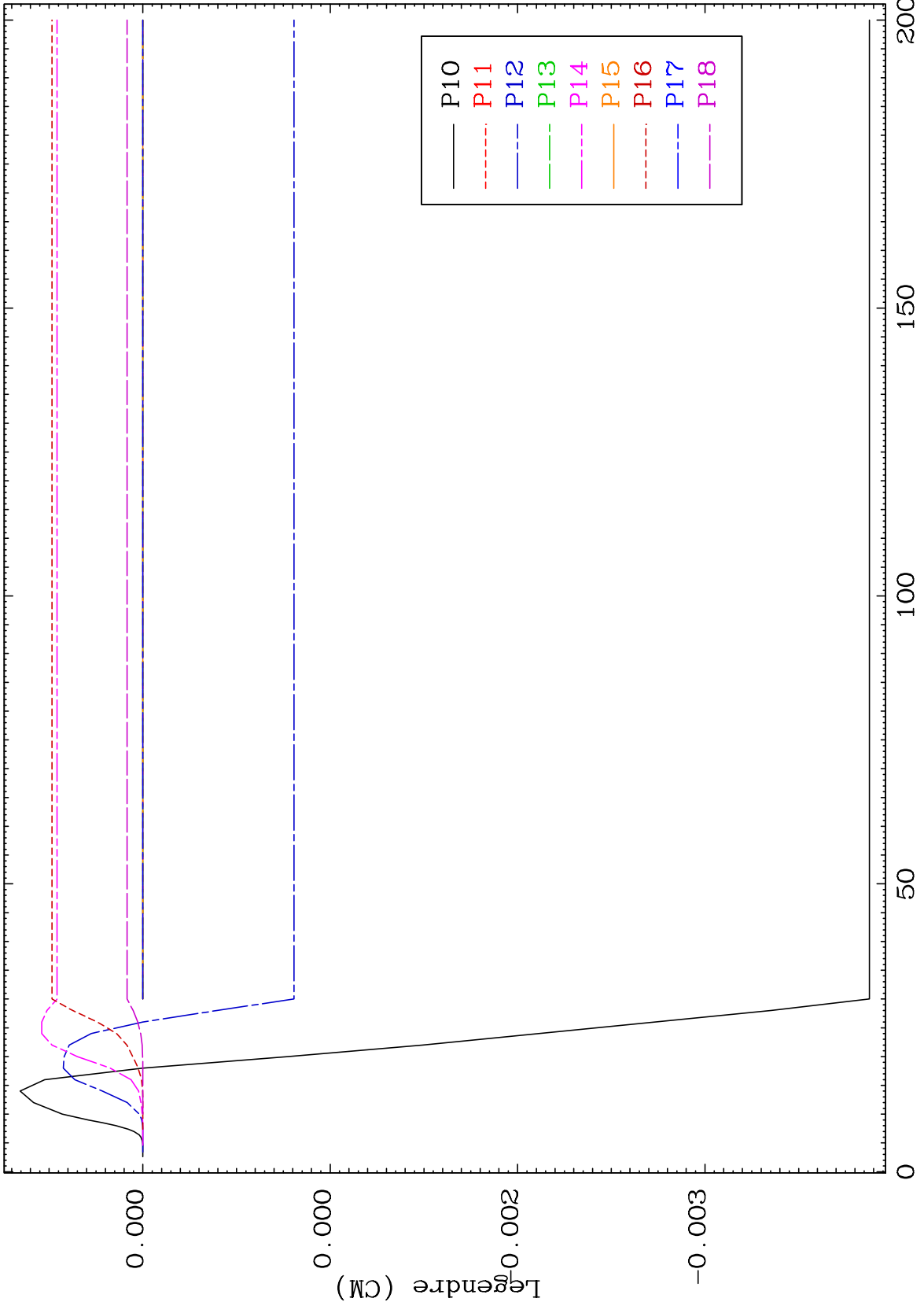
56 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 61 (n,n') Level Legendre Coefficients 56-Ba-140



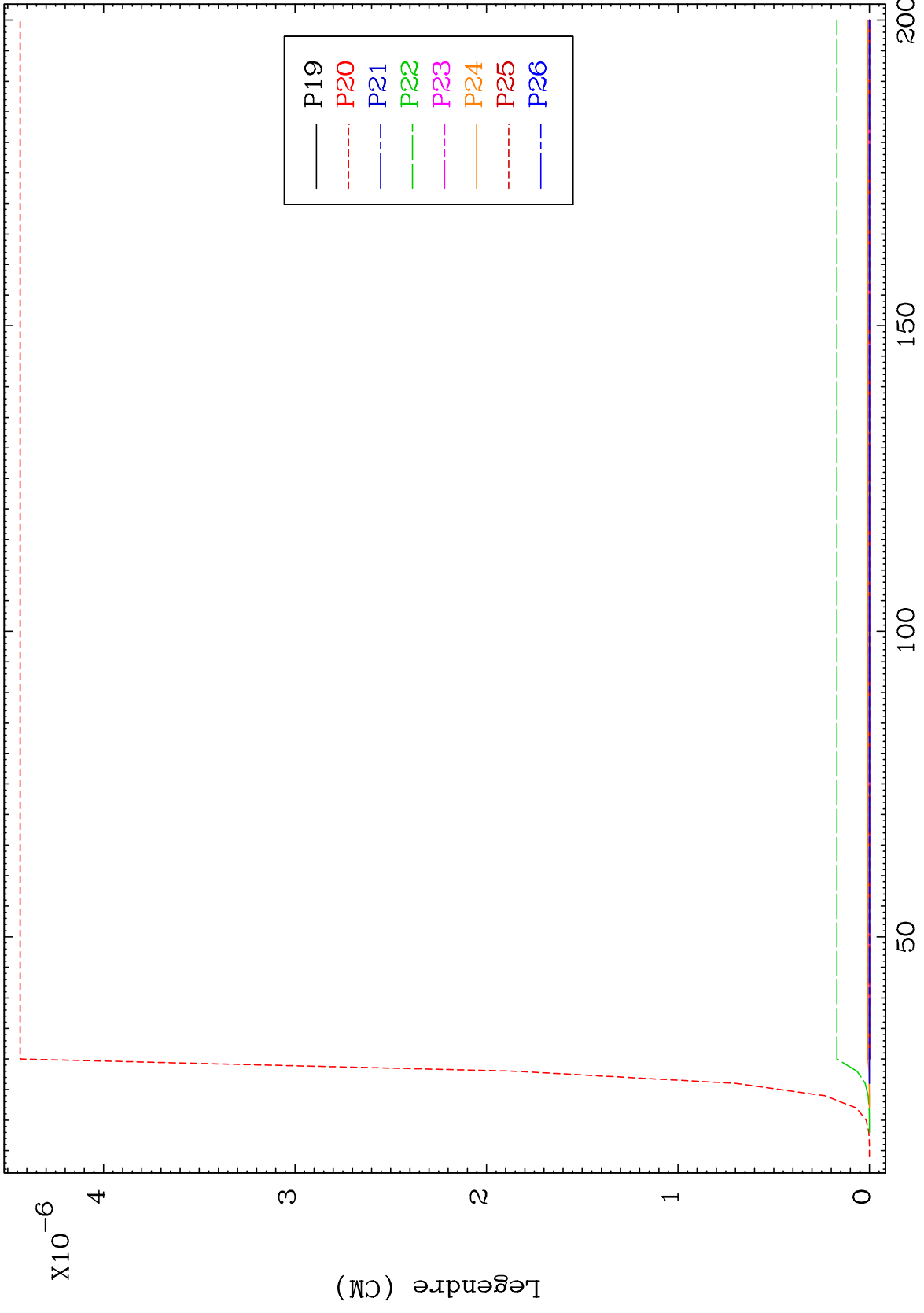
57 56-Ba-140

MAT 5655 MT= 61 (n,n') Level Legendre Coefficients 56-Ba-140



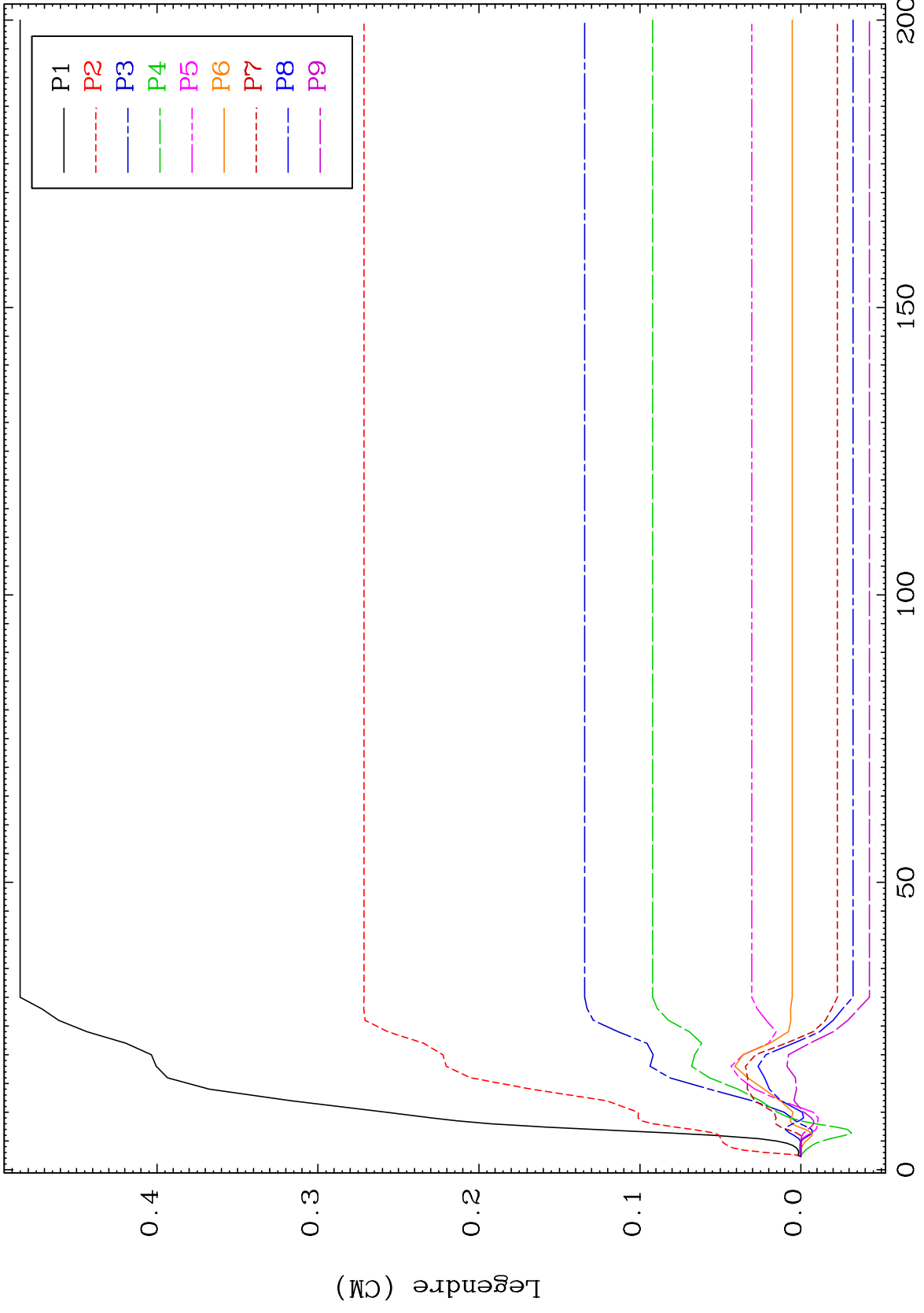
58 56-Ba-140

MAT 5655 MT= 61 (n,n') Level Legendre Coefficients 56-Ba-140



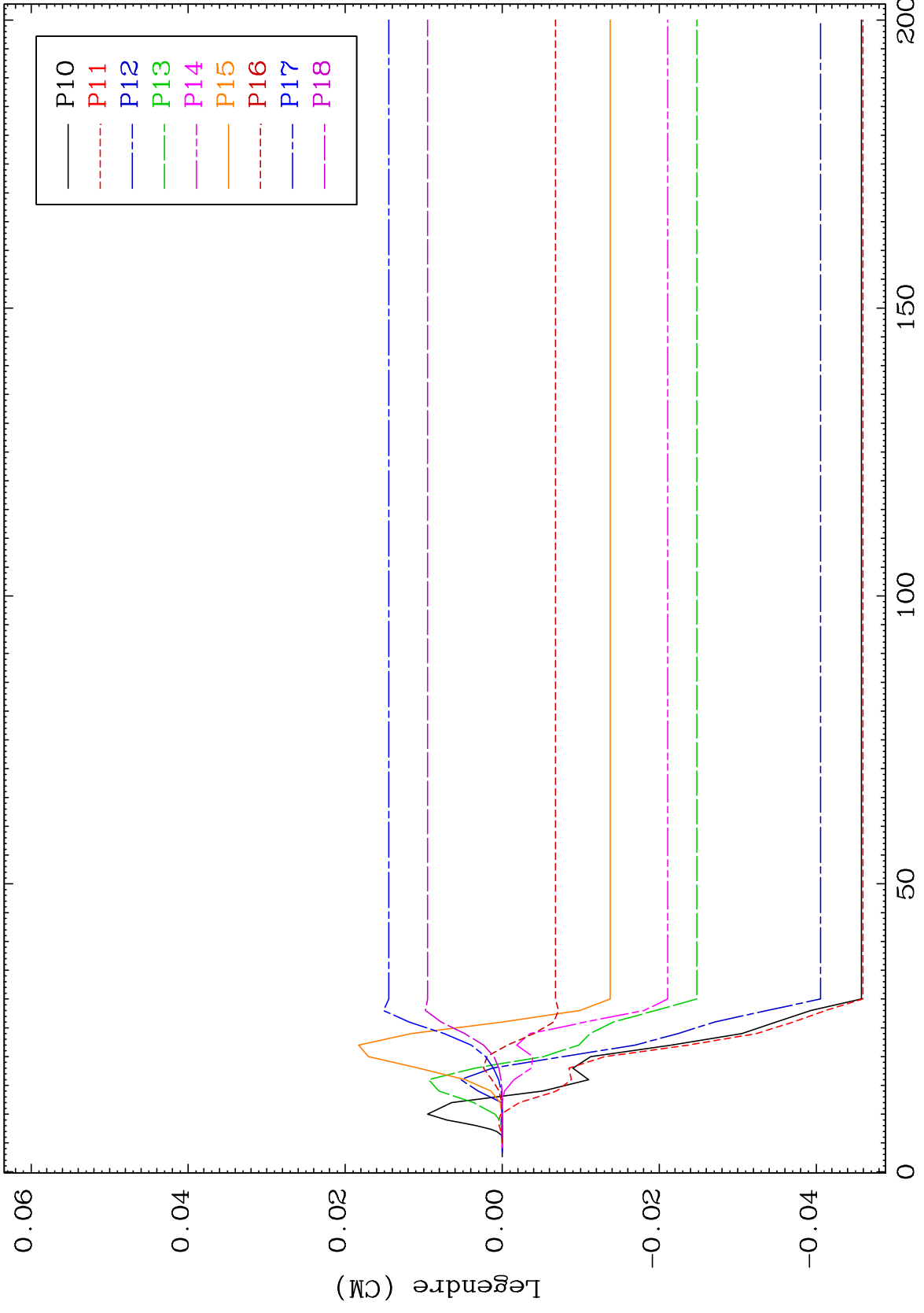
59 Incident Energy (MeV) 200 56-Ba-140

MAT 5655 MT= 62 (n,n') Level Legendre Coefficients 56-Ba-140



Legendre (CM) Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 62 (n,n') Level Legendre Coefficients 56-Ba-140

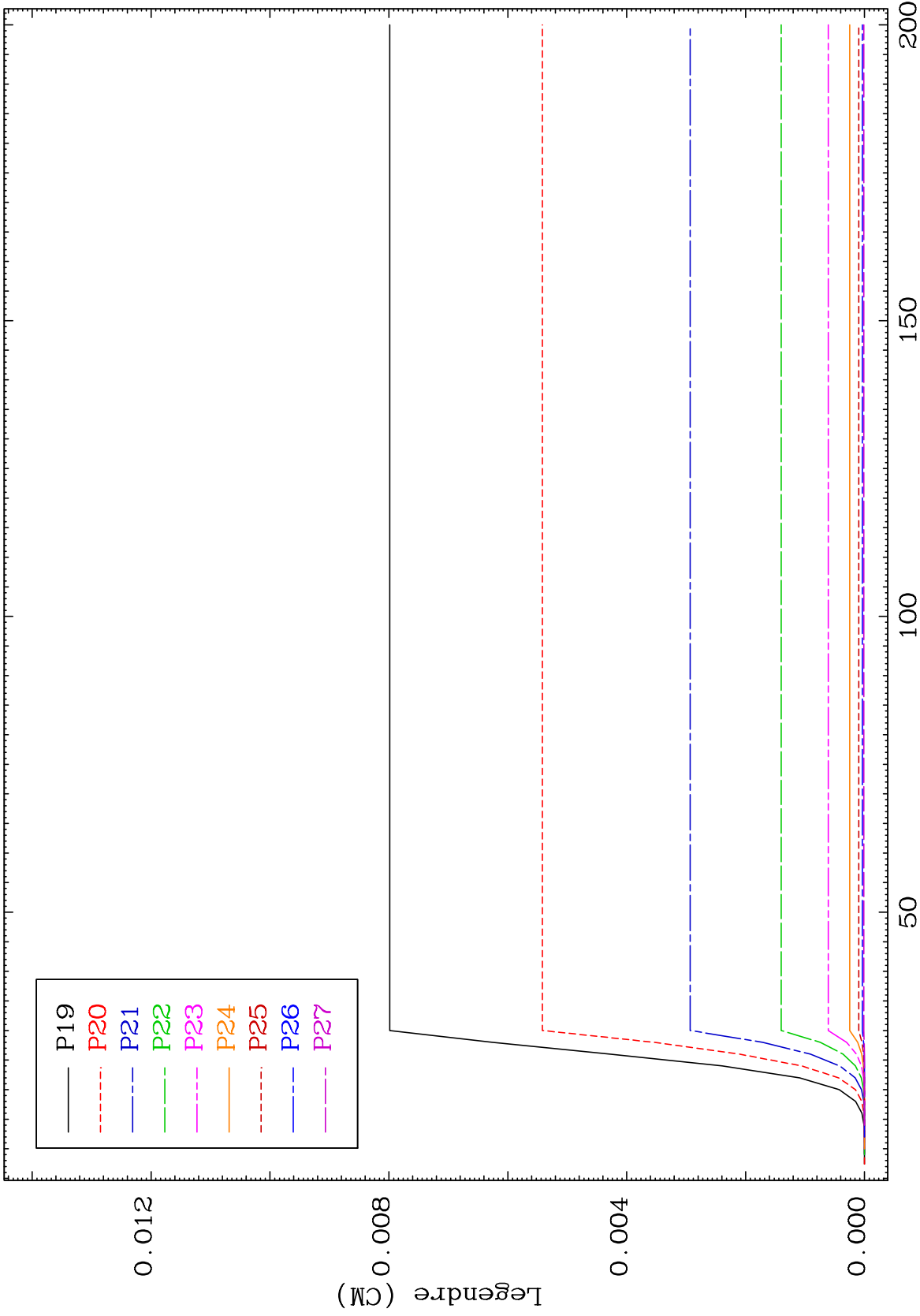


61 56-Ba-140

MAT 5655

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

56-Ba-140



62

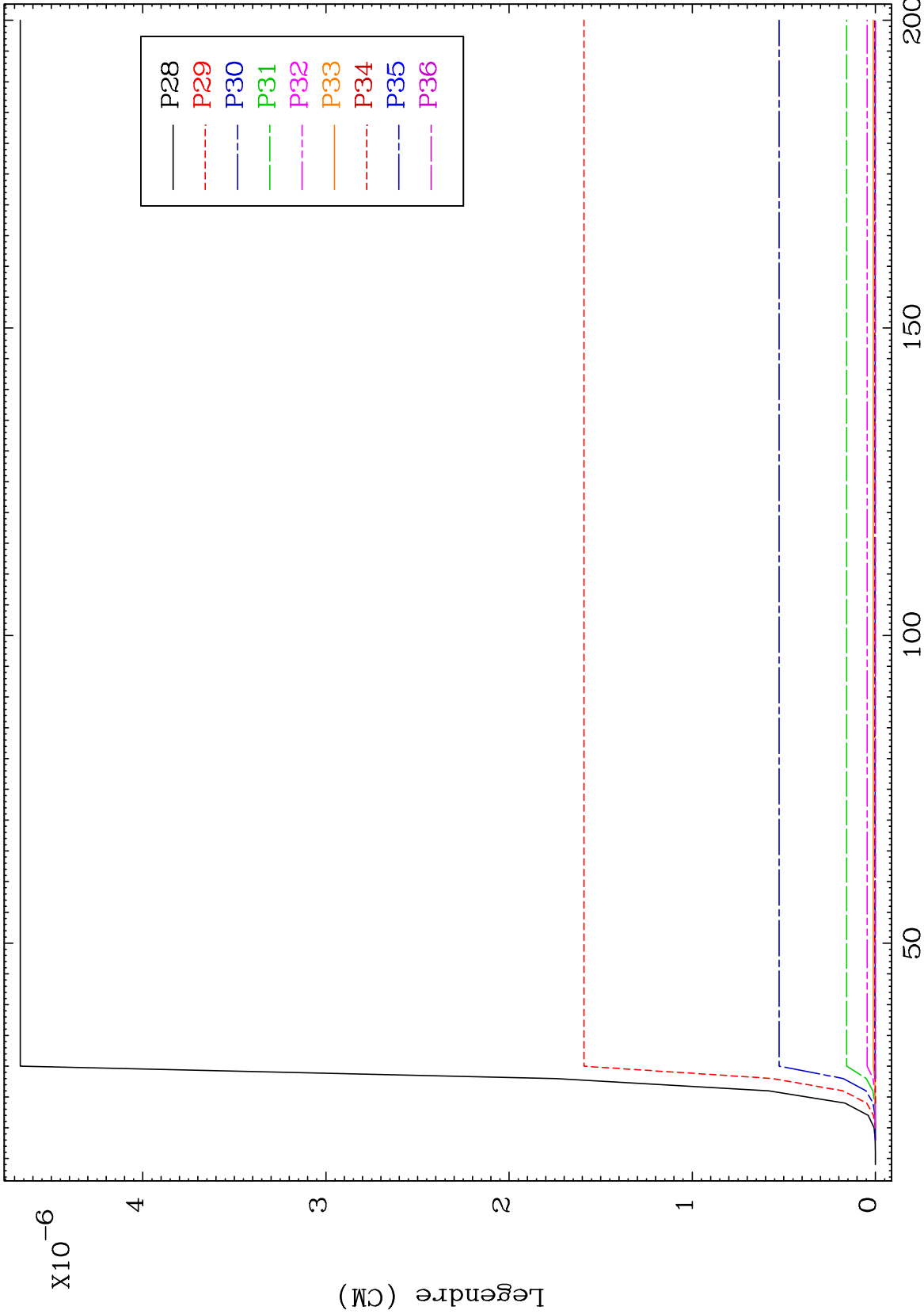
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140

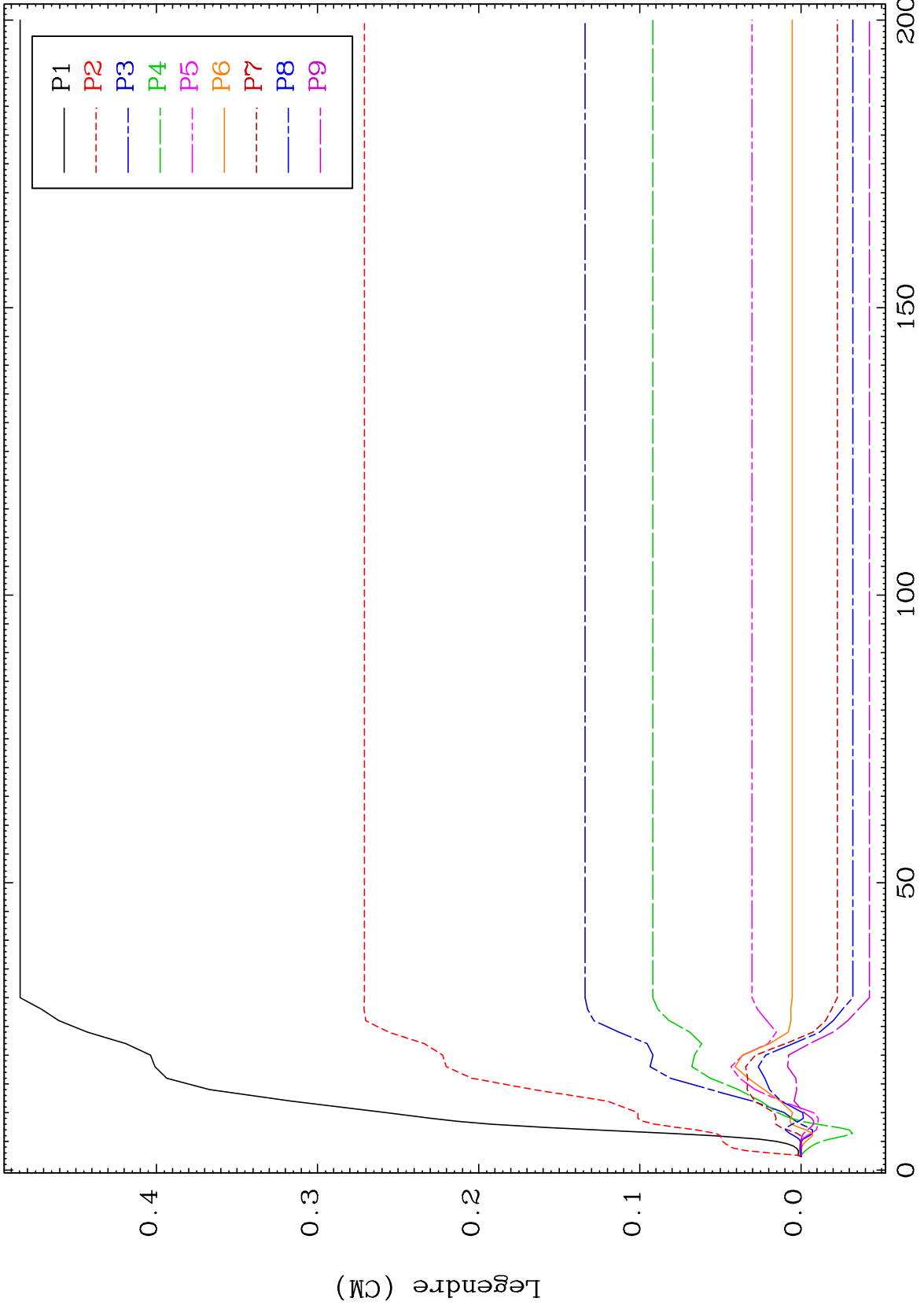


63

Incident Energy (MeV)

56-Ba-140

MAT 5655 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-140

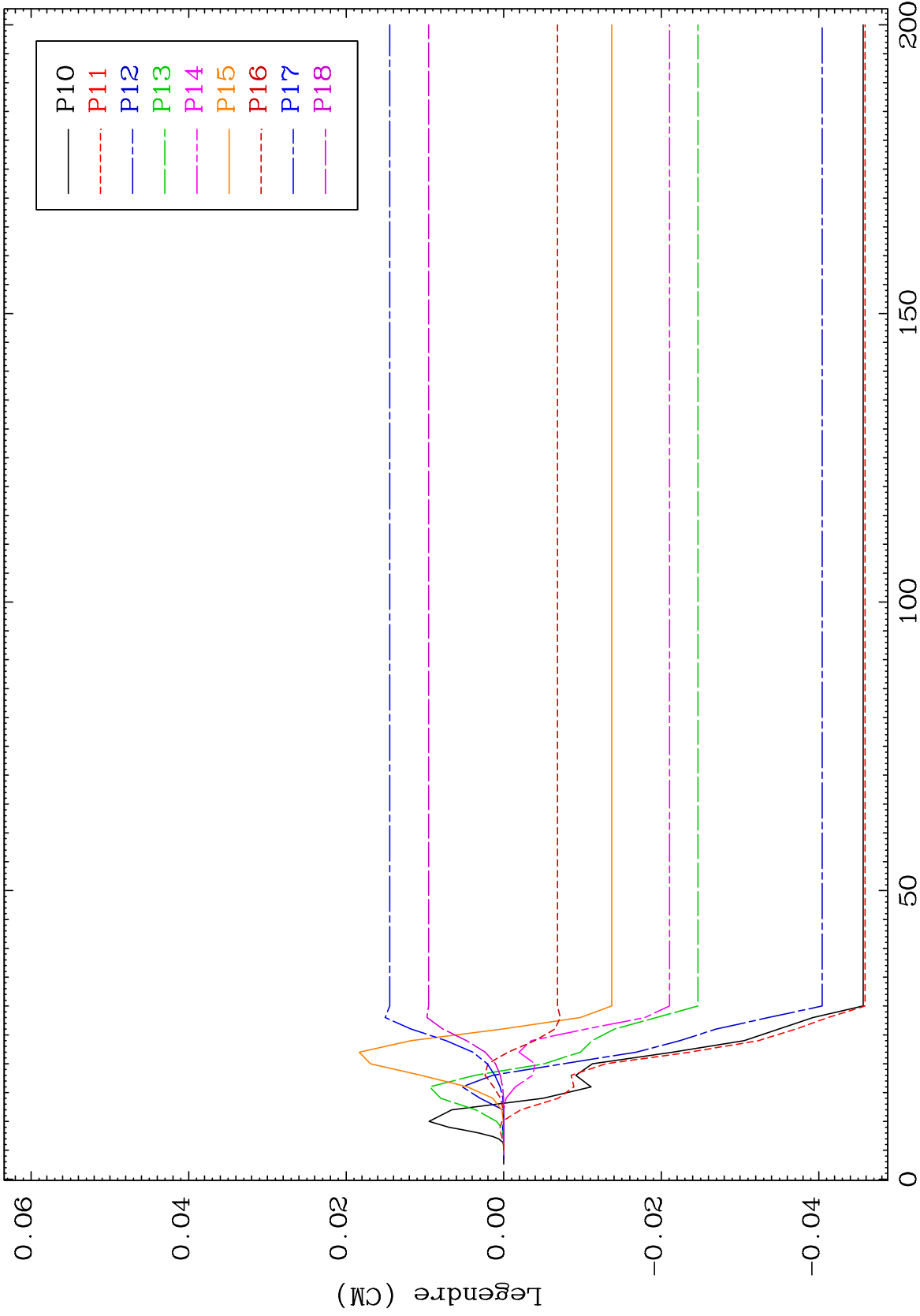


64 Incident Energy (MeV) 56-Ba-140

MAT 5655

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

56-Ba-140



65

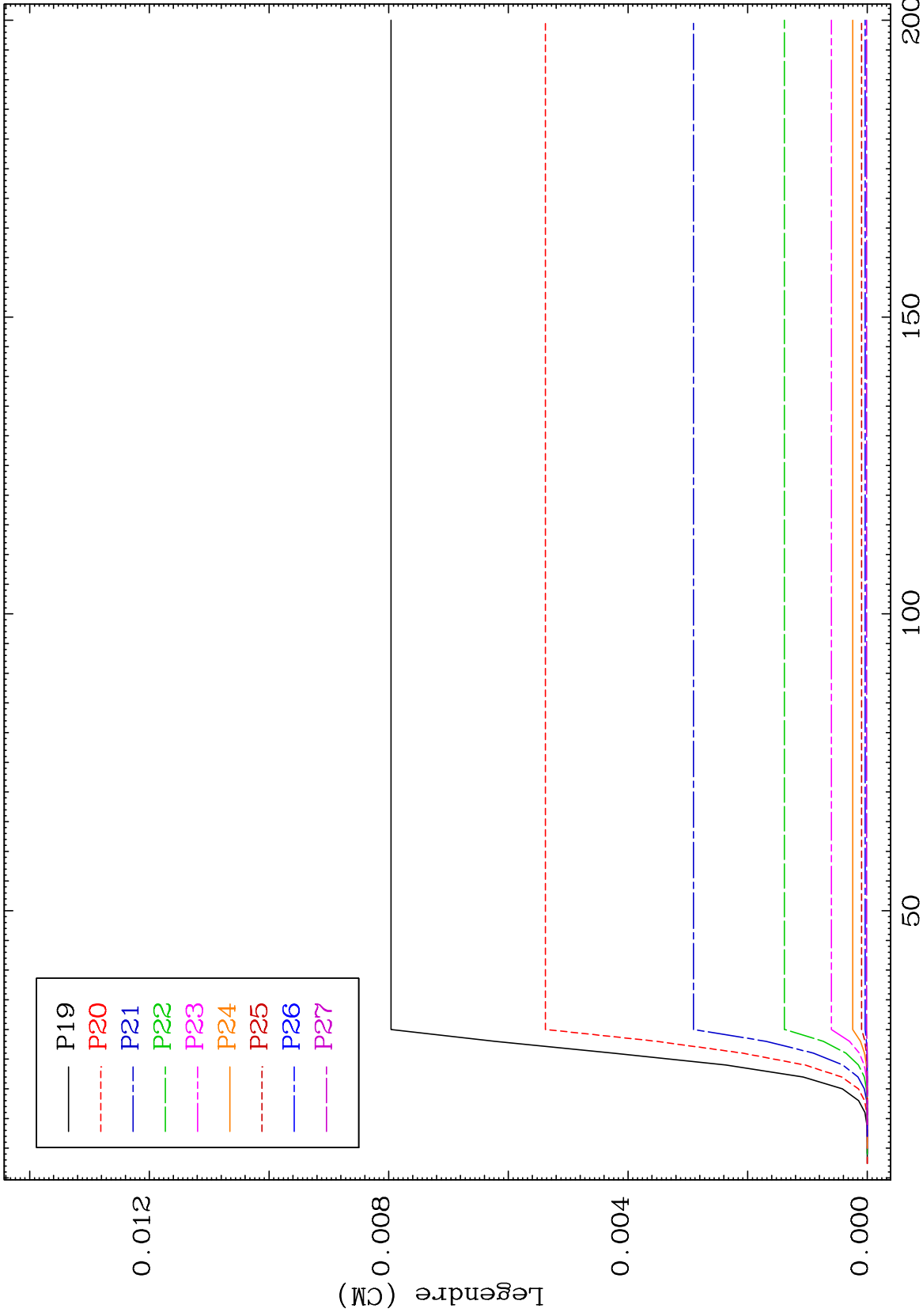
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



66

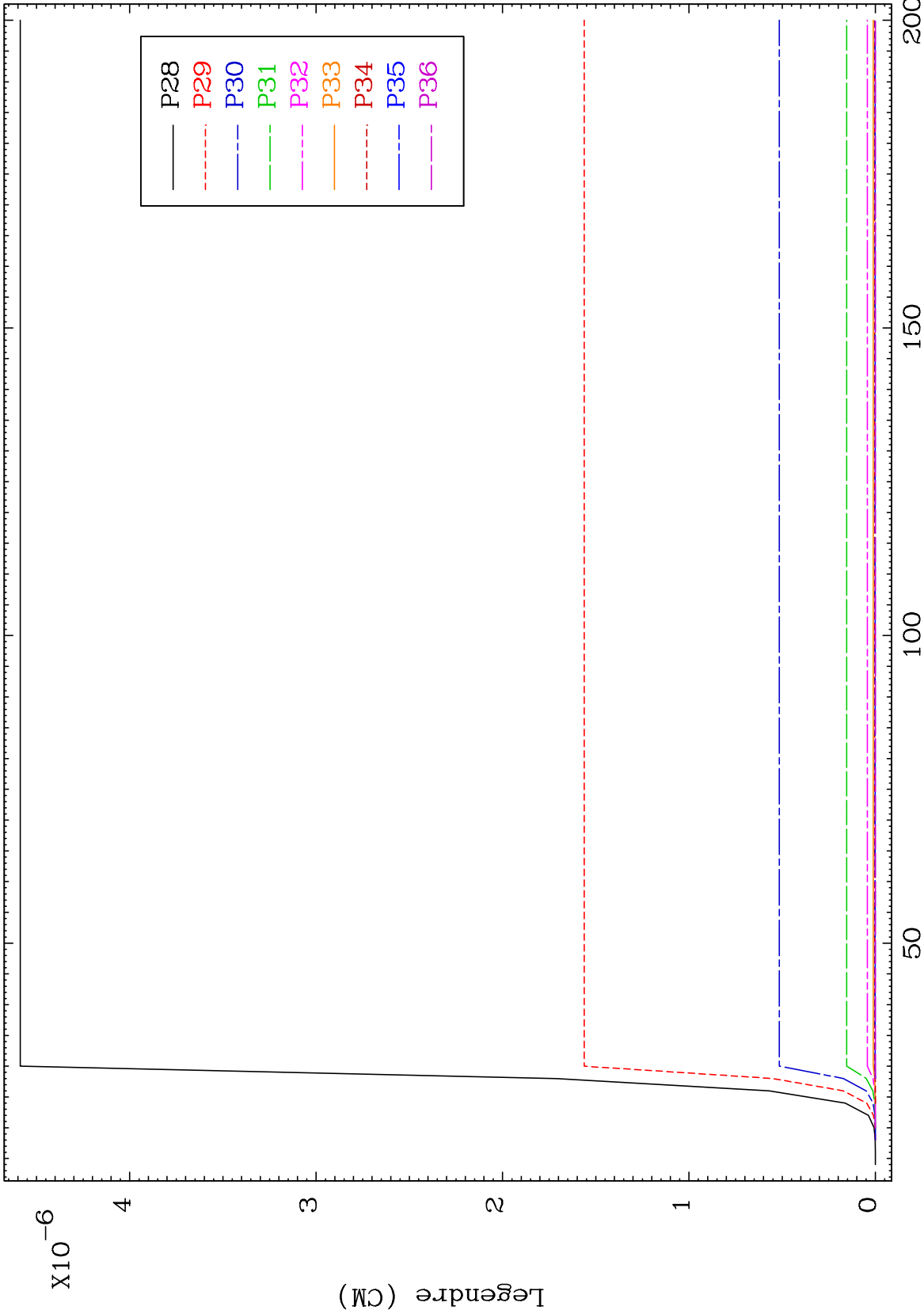
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140

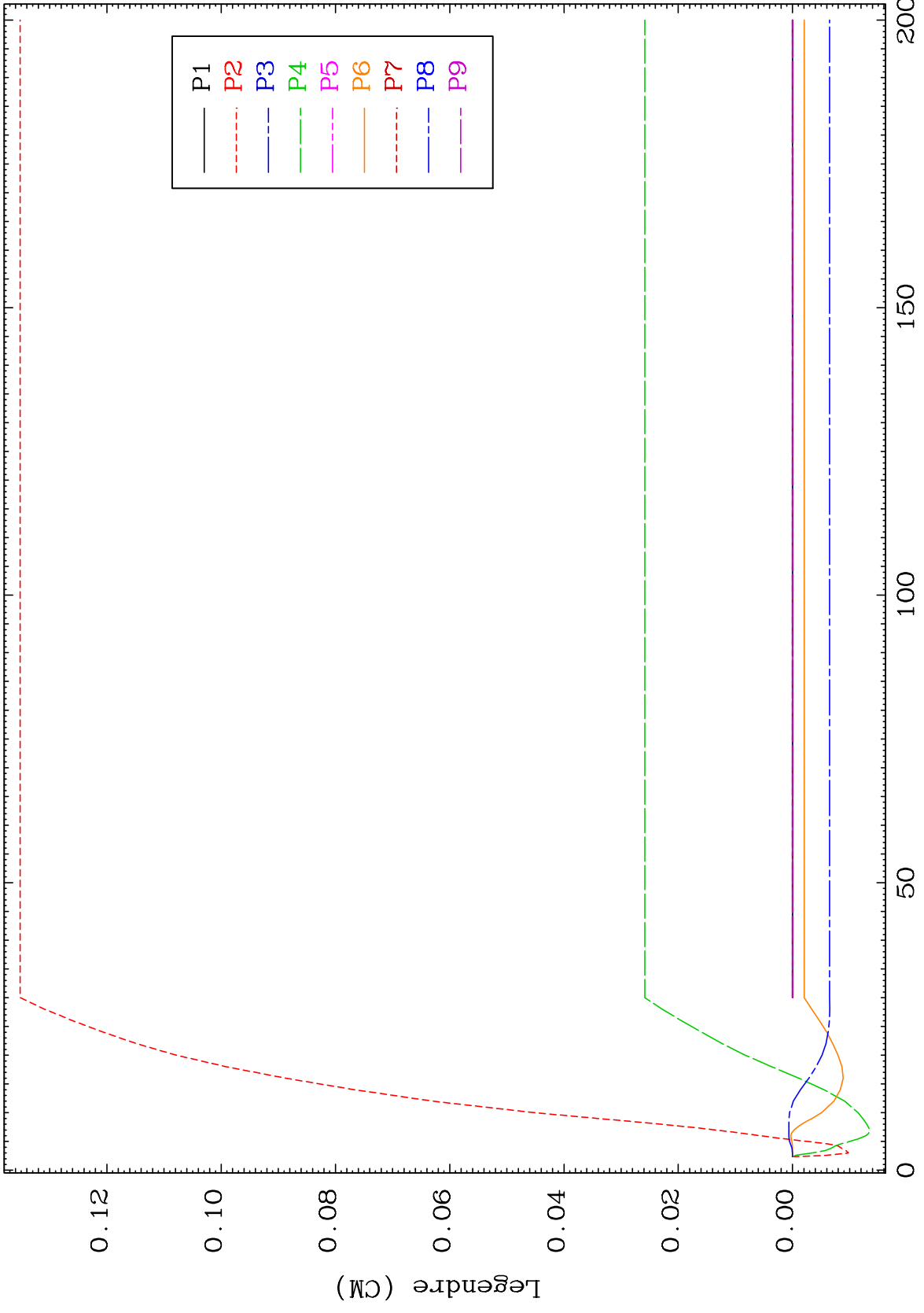


67

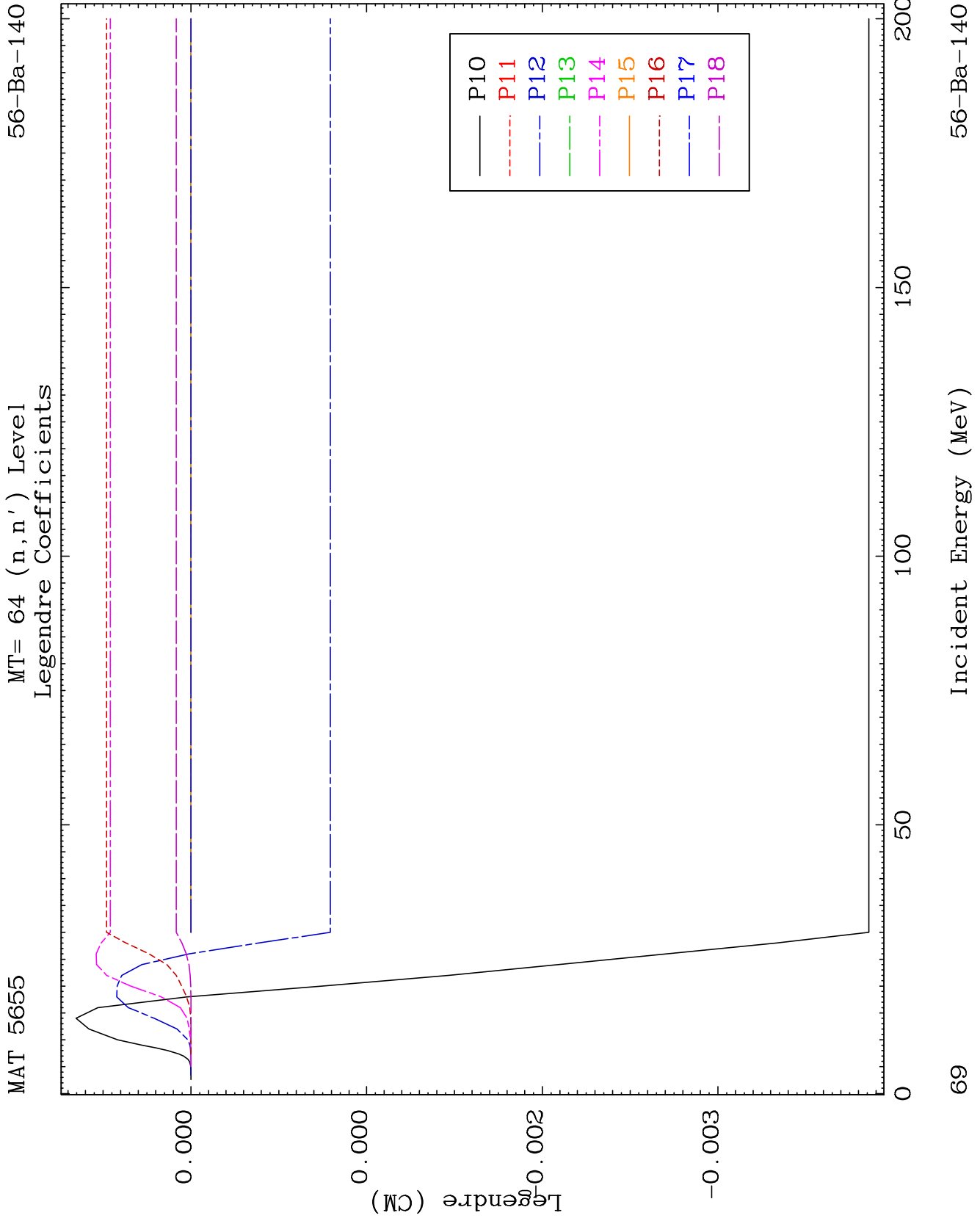
Incident Energy (MeV)

56-Ba-140

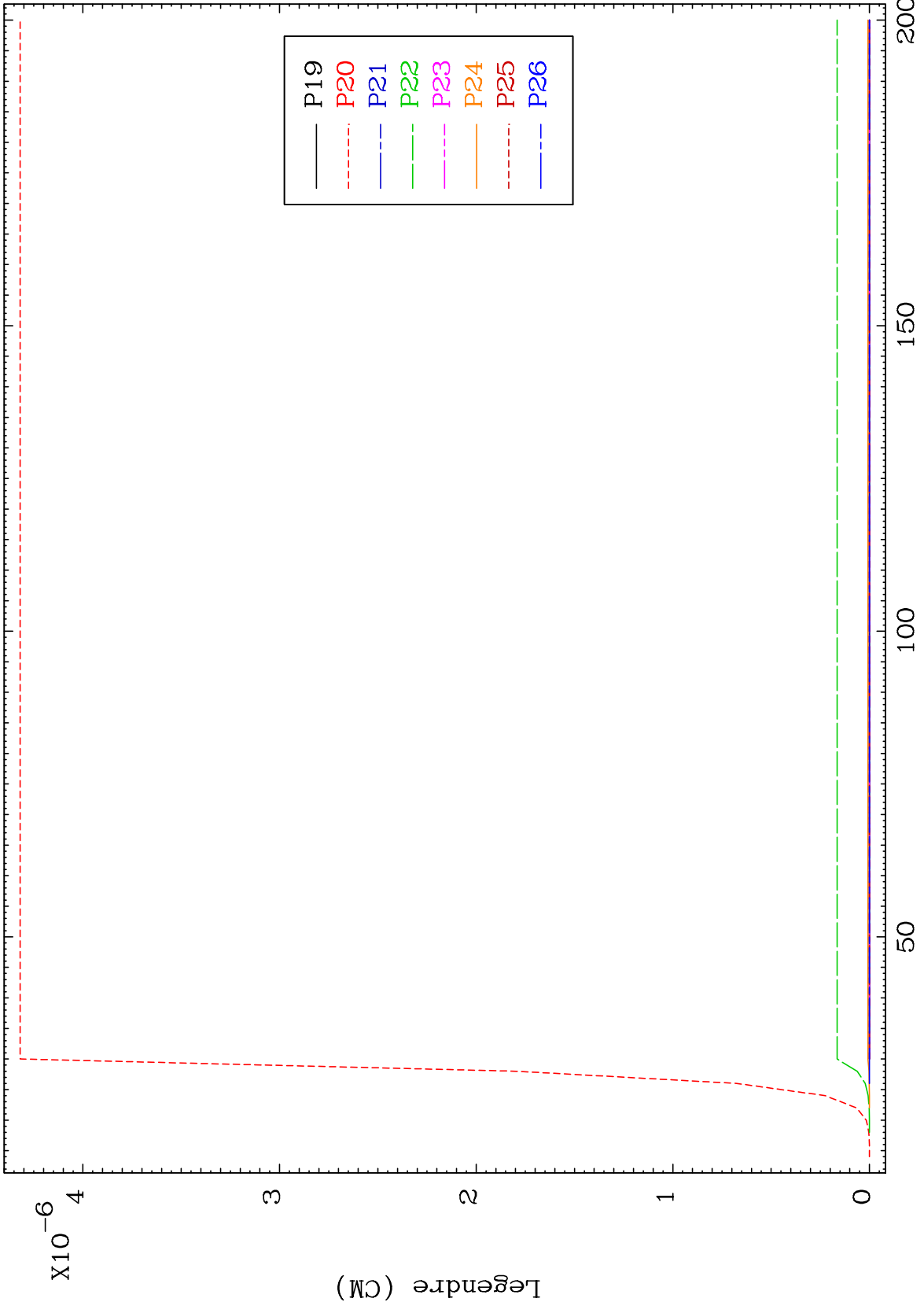
MAT 5655 MT= 64 (n,n') Level Legendre Coefficients 56-Ba-140



68 56-Ba-140

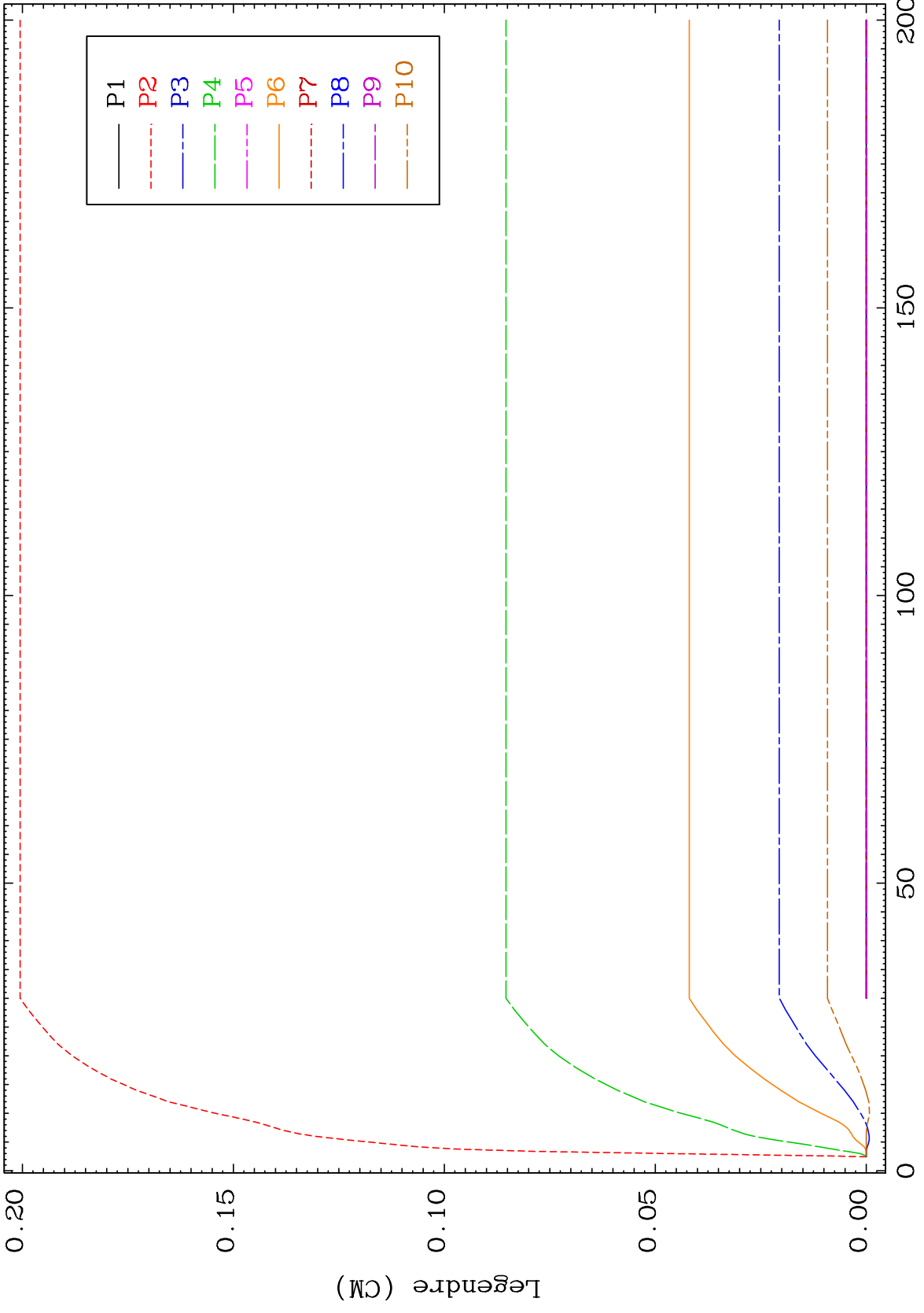


MAT 5655 MT= 64 (n,n') Level Legendre Coefficients 56-Ba-140

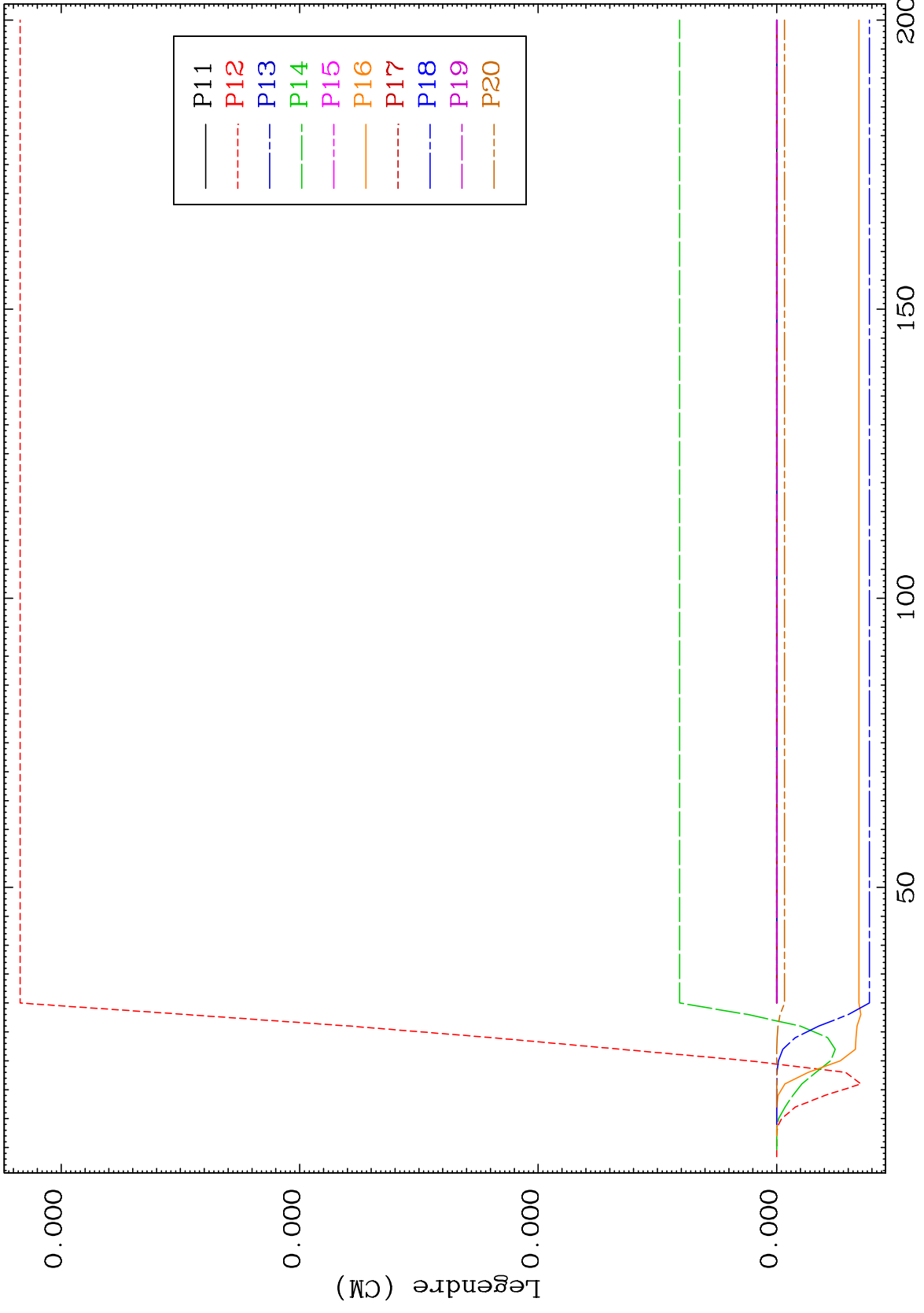


70 Incident Energy (MeV) 56-Ba-140

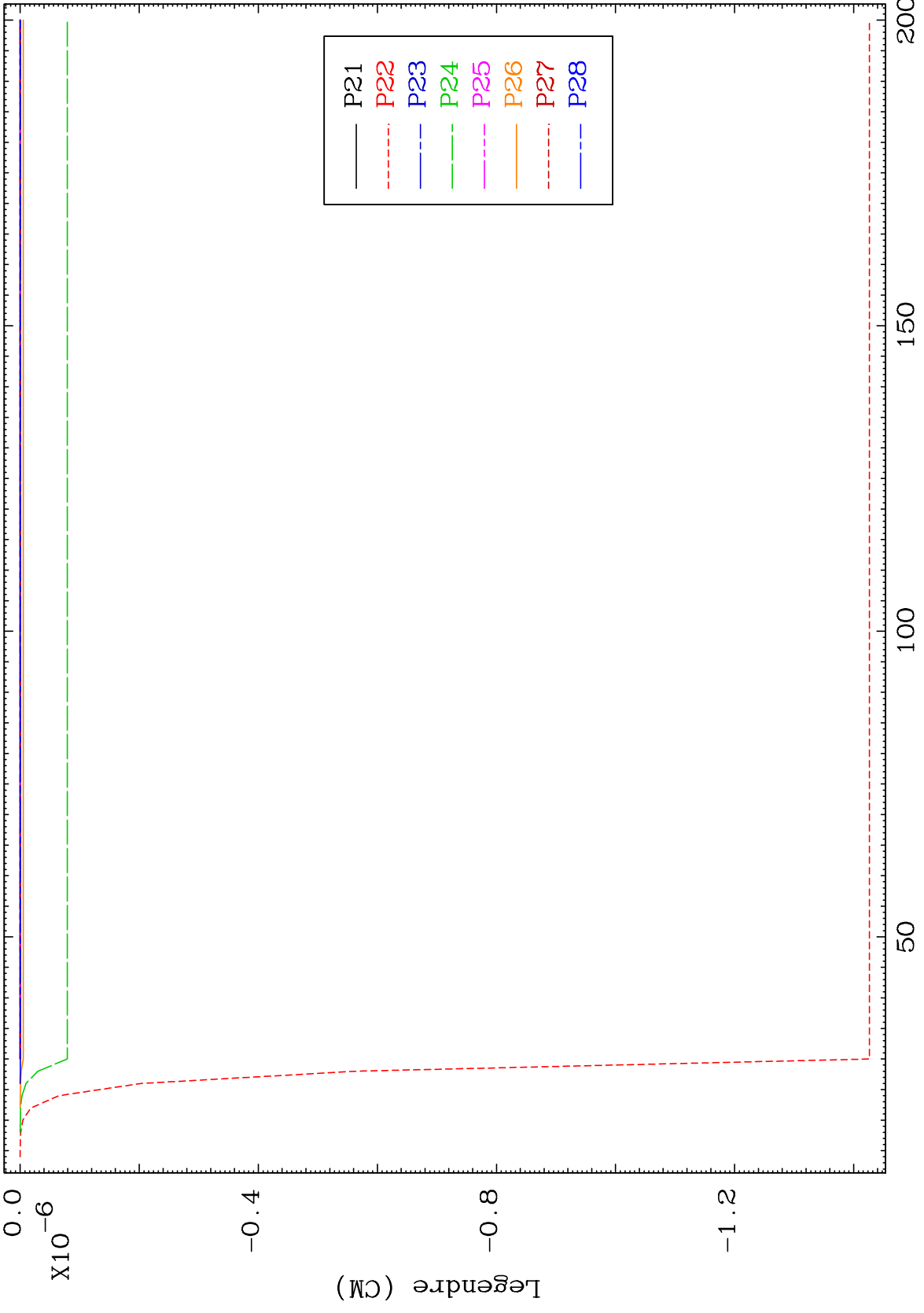
MAT 5655 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-140



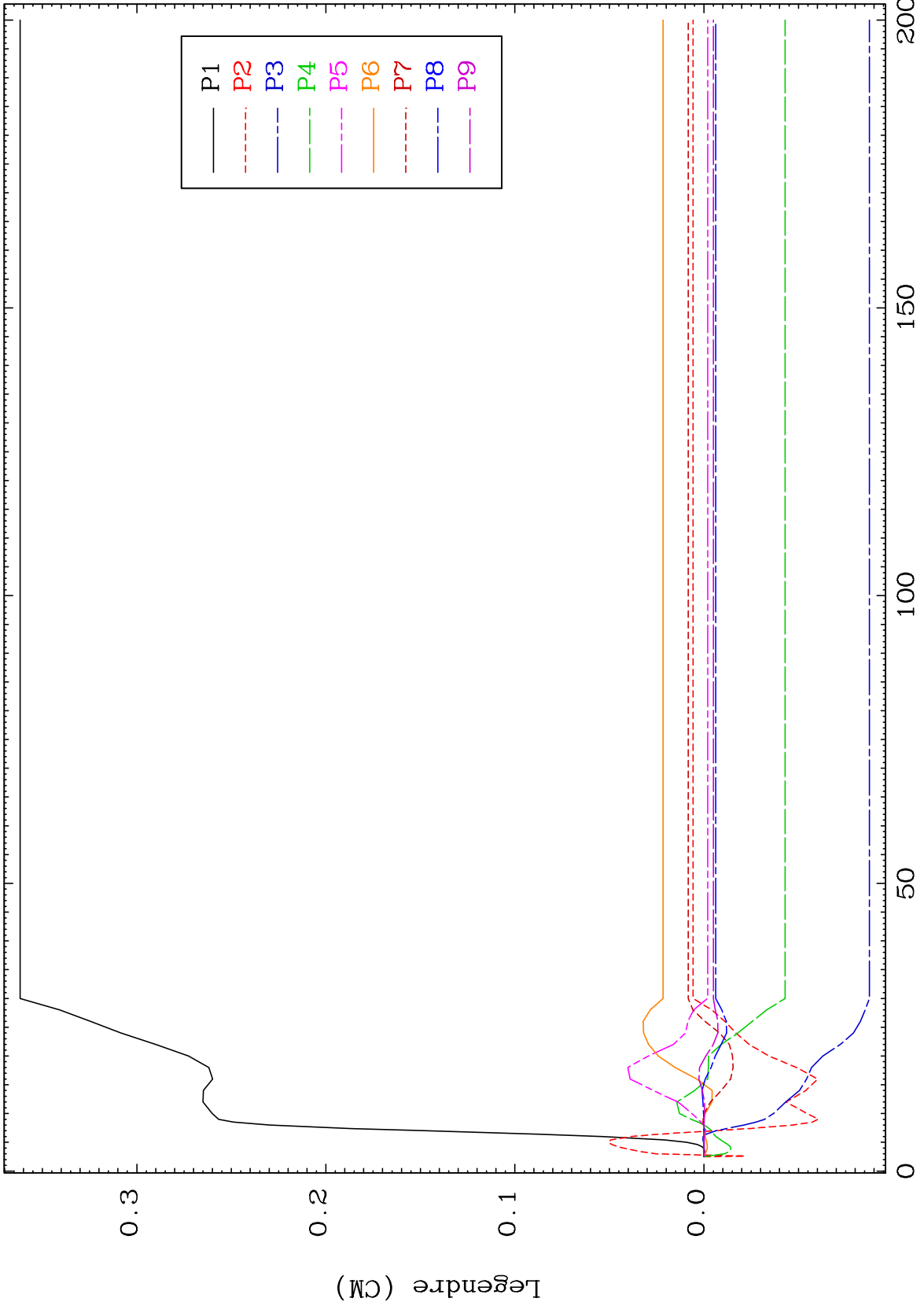
MAT 5655 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 66 (n,n') Level Legendre Coefficients 56-Ba-140

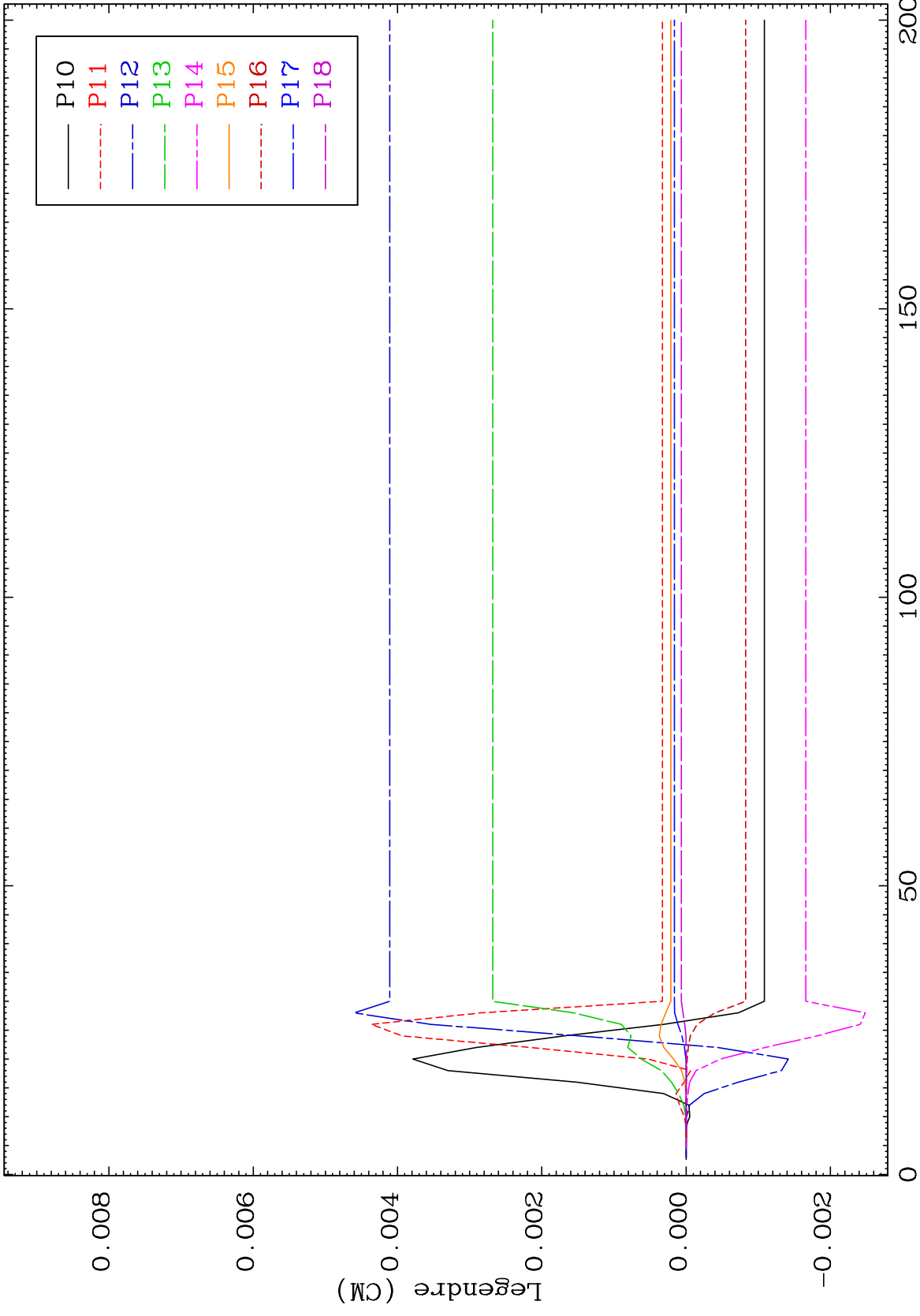


74 56-Ba-140

MAT 5655

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

56-Ba-140



75

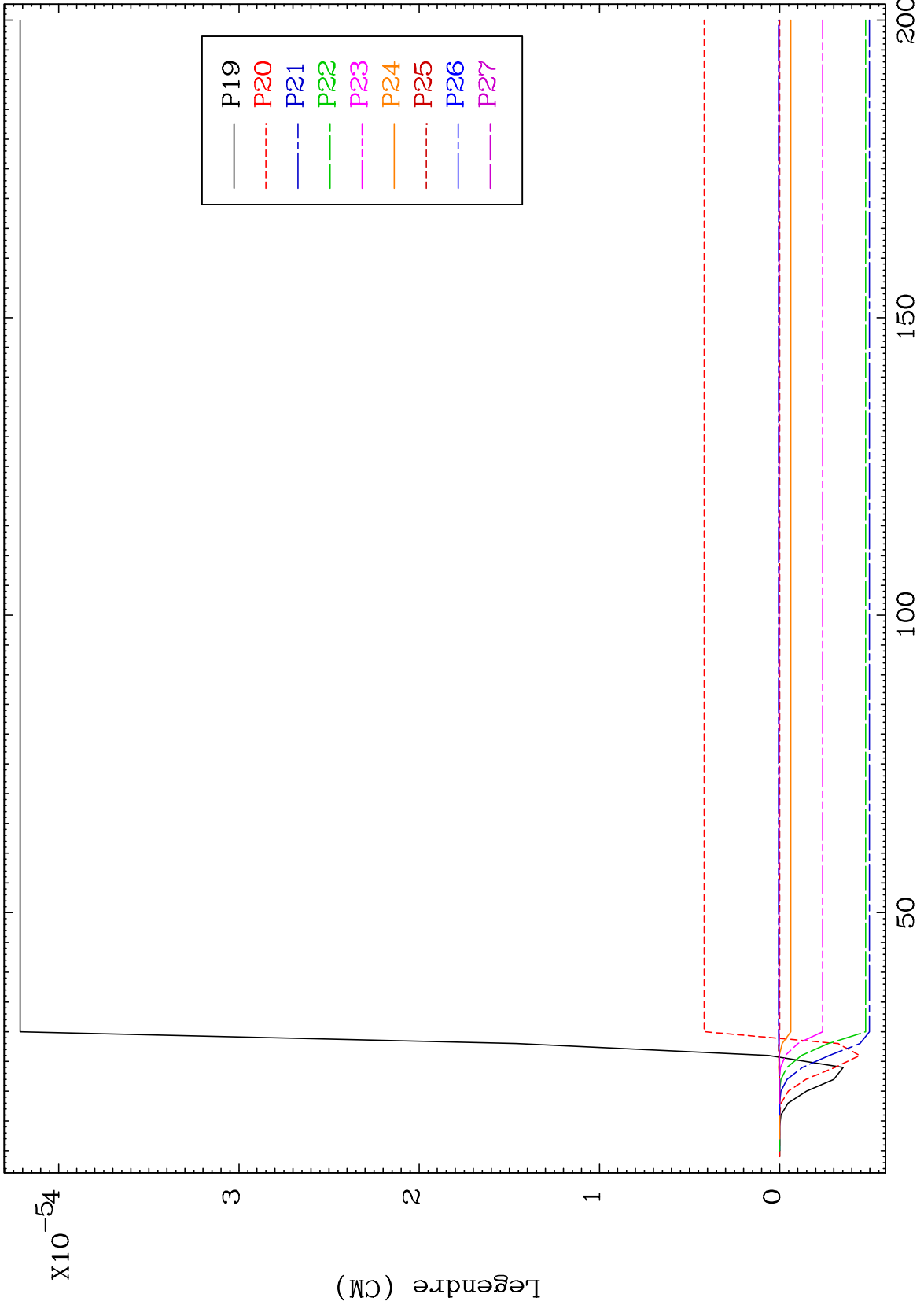
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



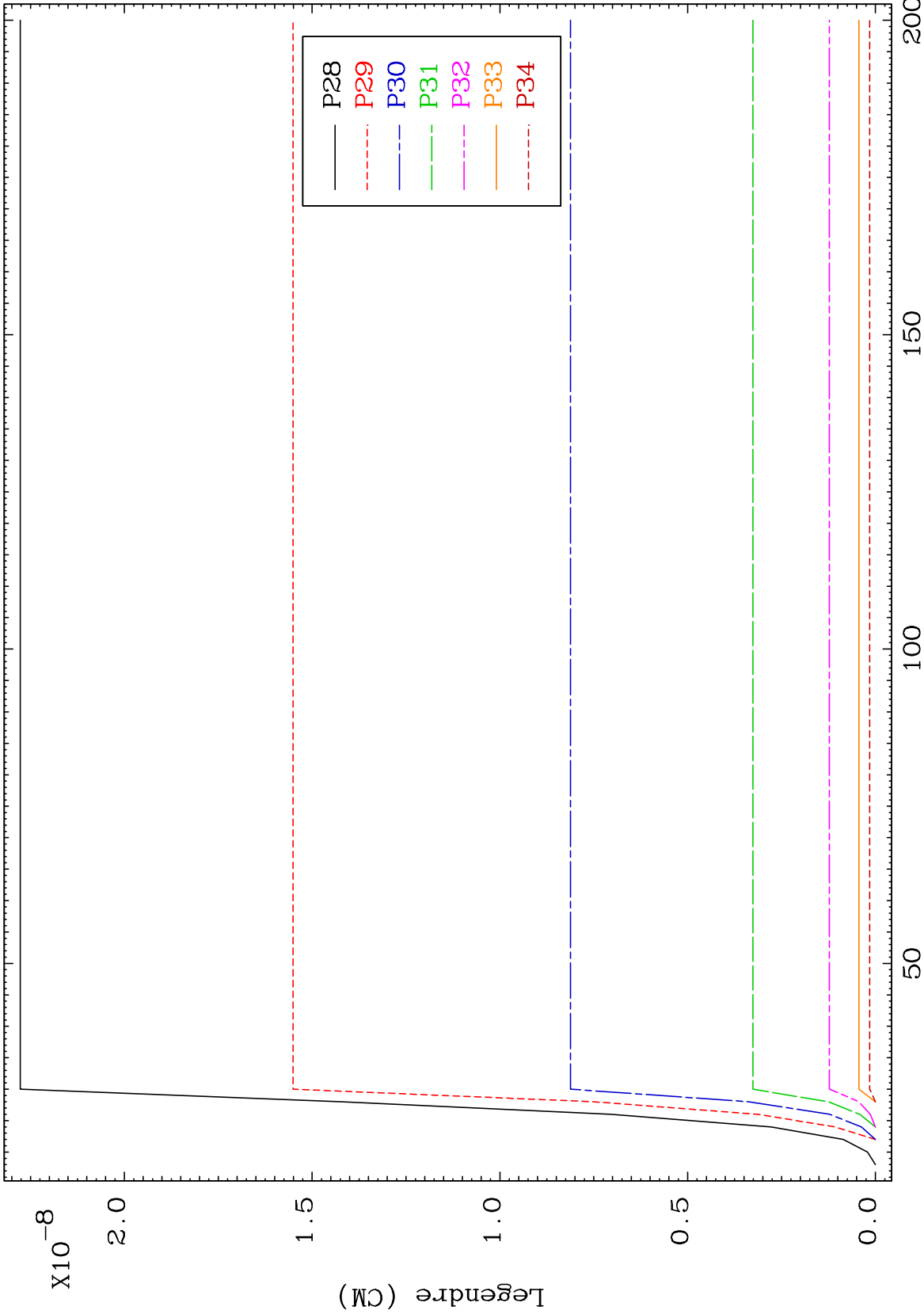
76

56-Ba-140

MAT 5655

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

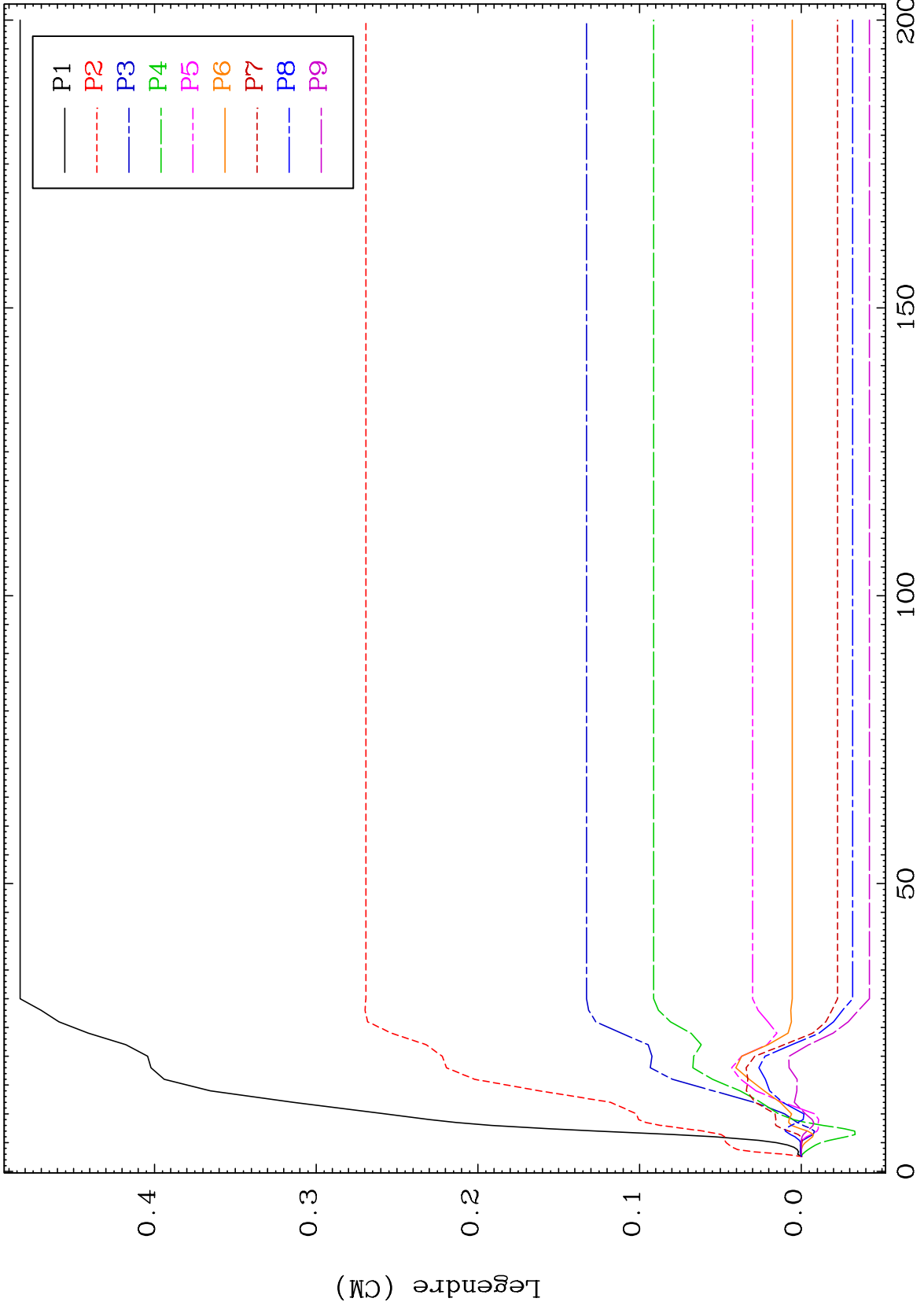
56-Ba-140



77

56-Ba-140

MAT 5655 MT= 67 (n,n') Level Legendre Coefficients 56-Ba-140

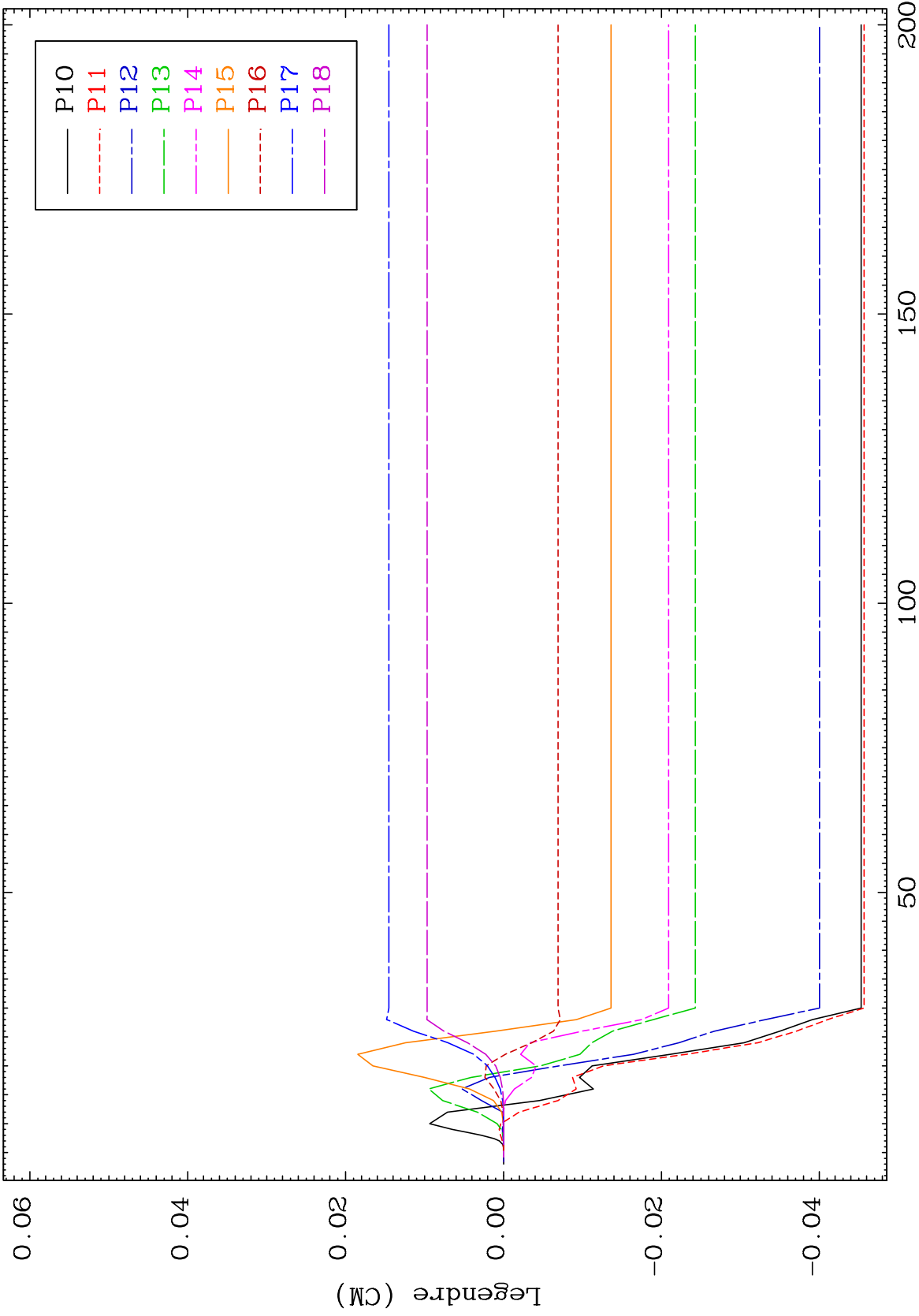


78 56-Ba-140

MAT 5655

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

56-Ba-140



79

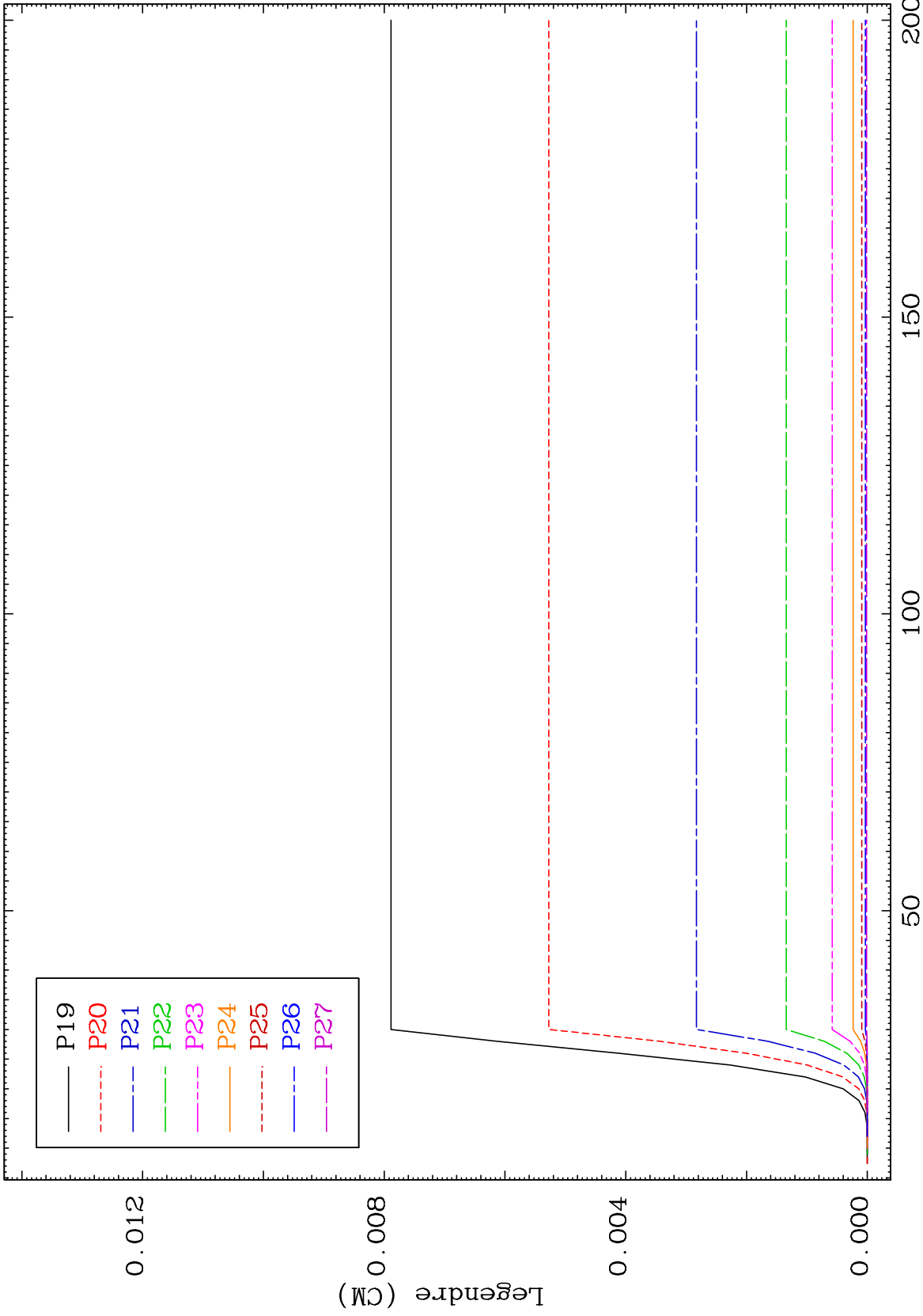
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



80

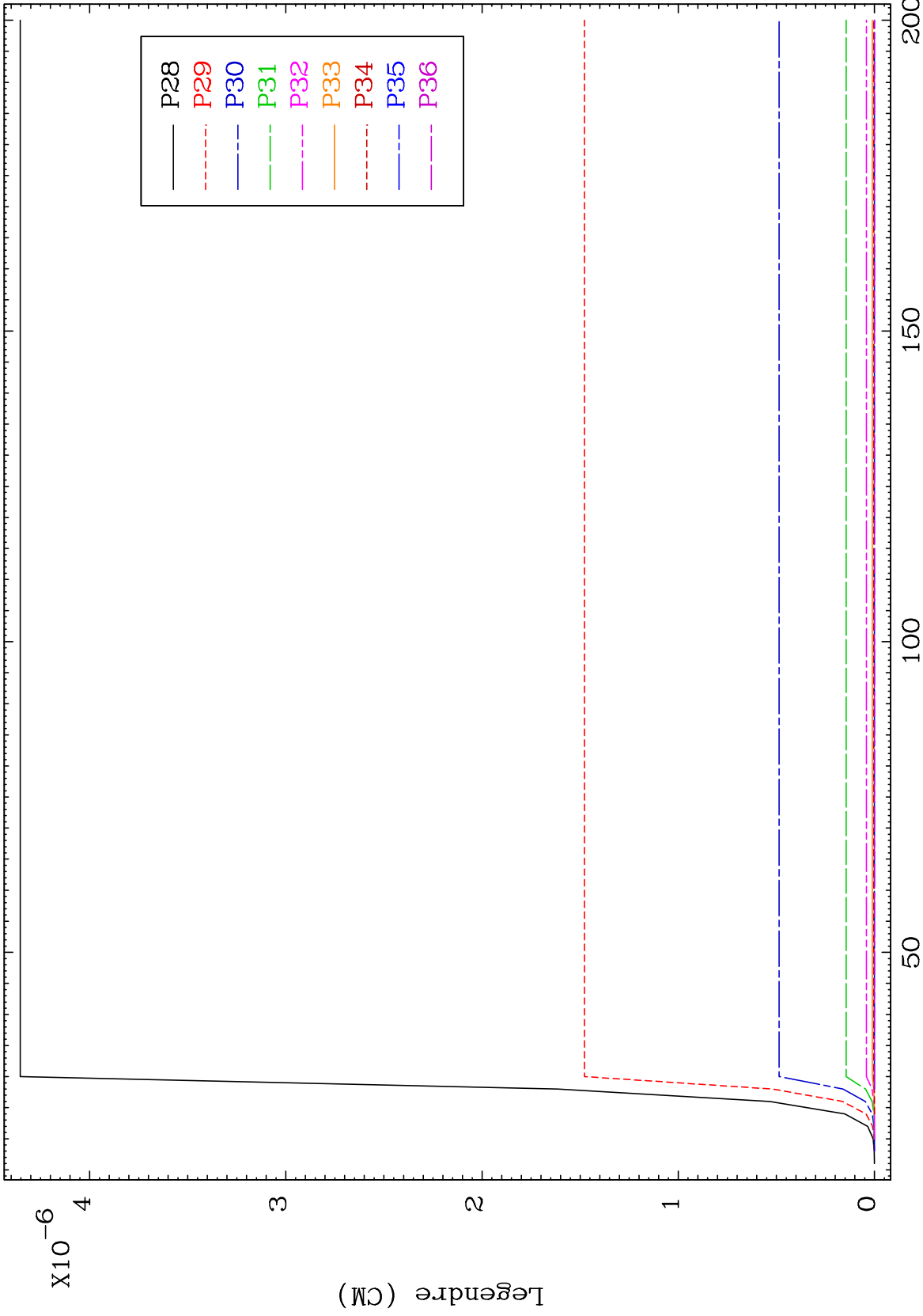
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

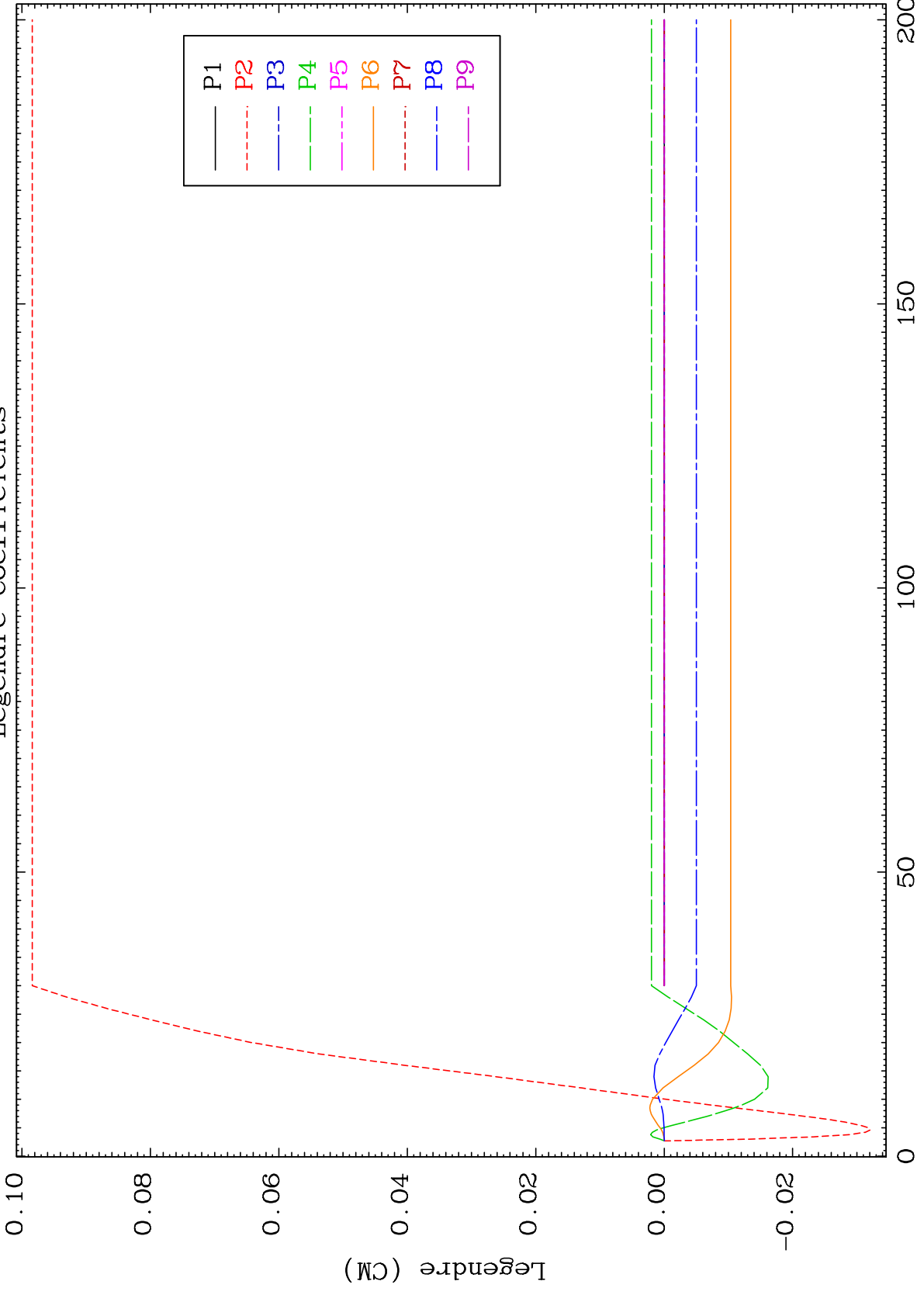
56-Ba-140



81

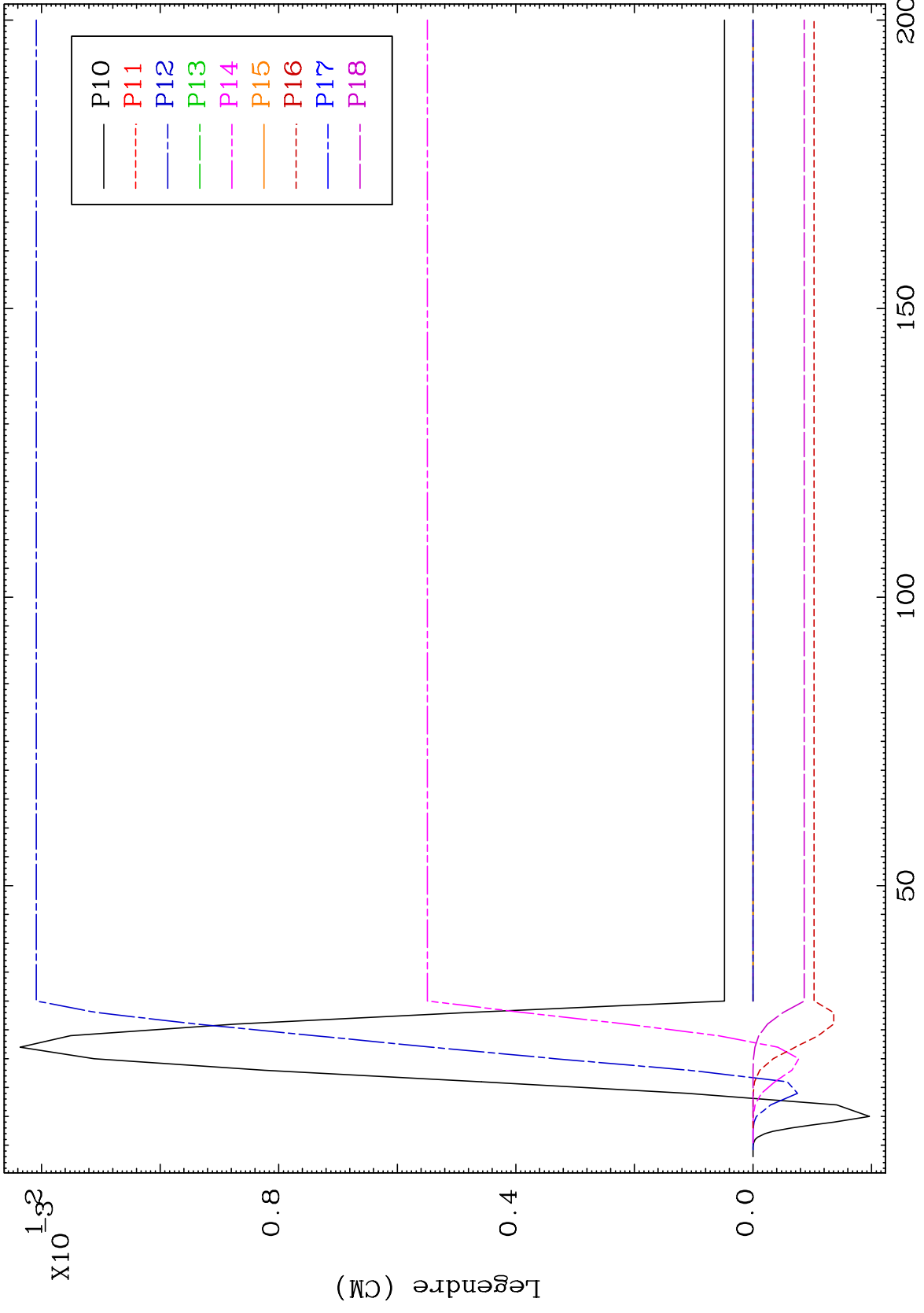
56-Ba-140

MAT 5655 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-140

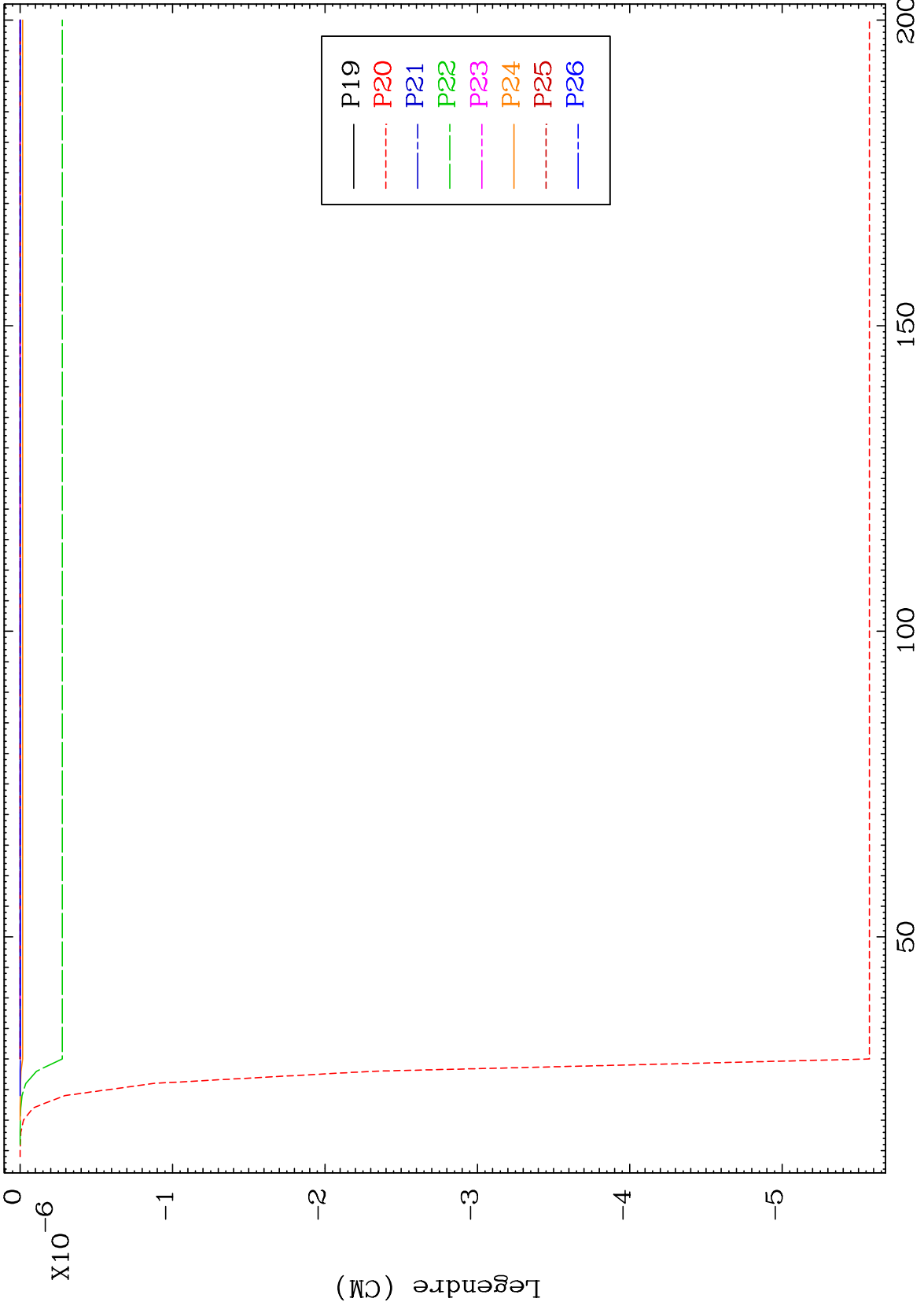


82 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-140

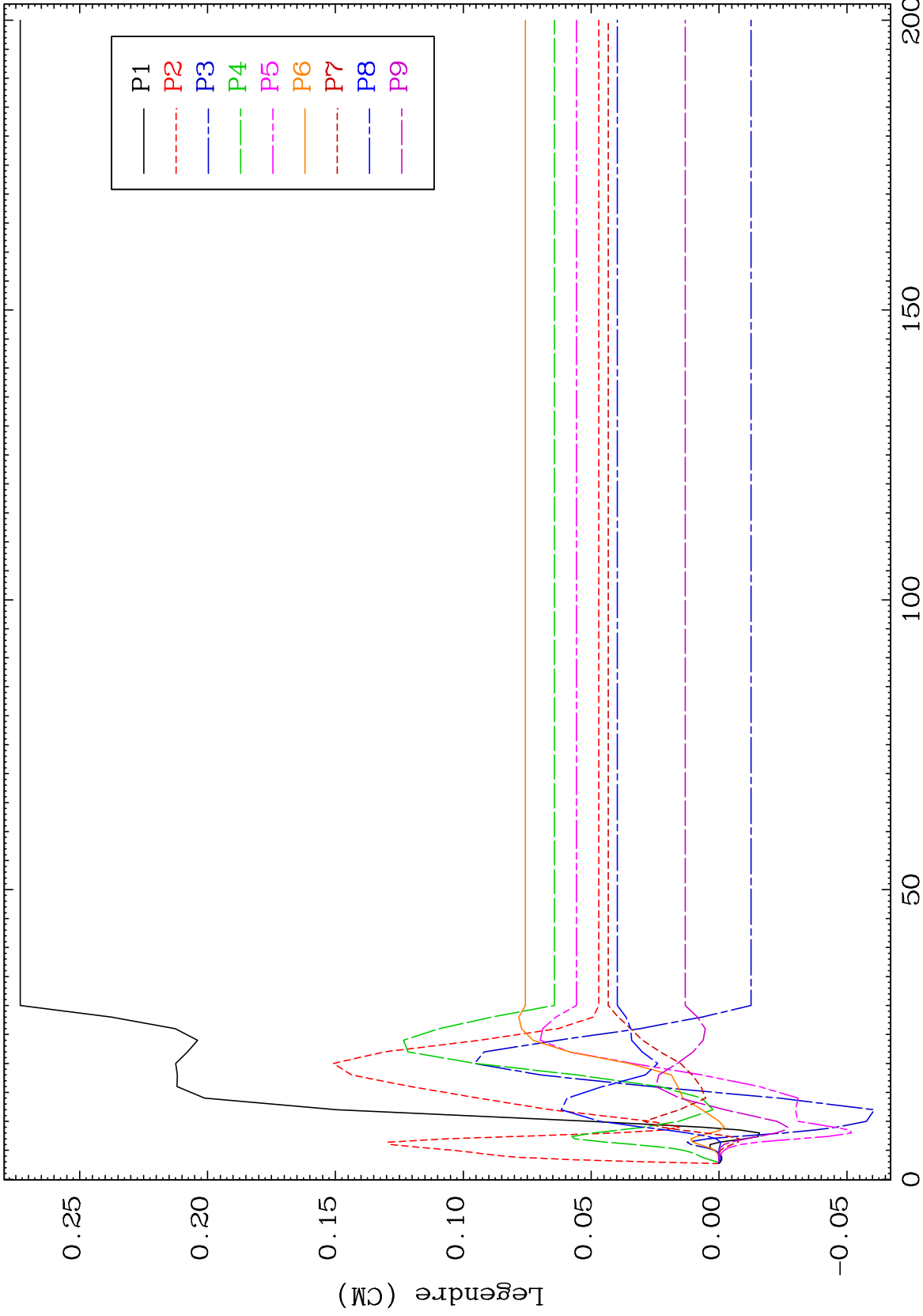


84 56-Ba-140

MAT 5655

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

56-Ba-140



85

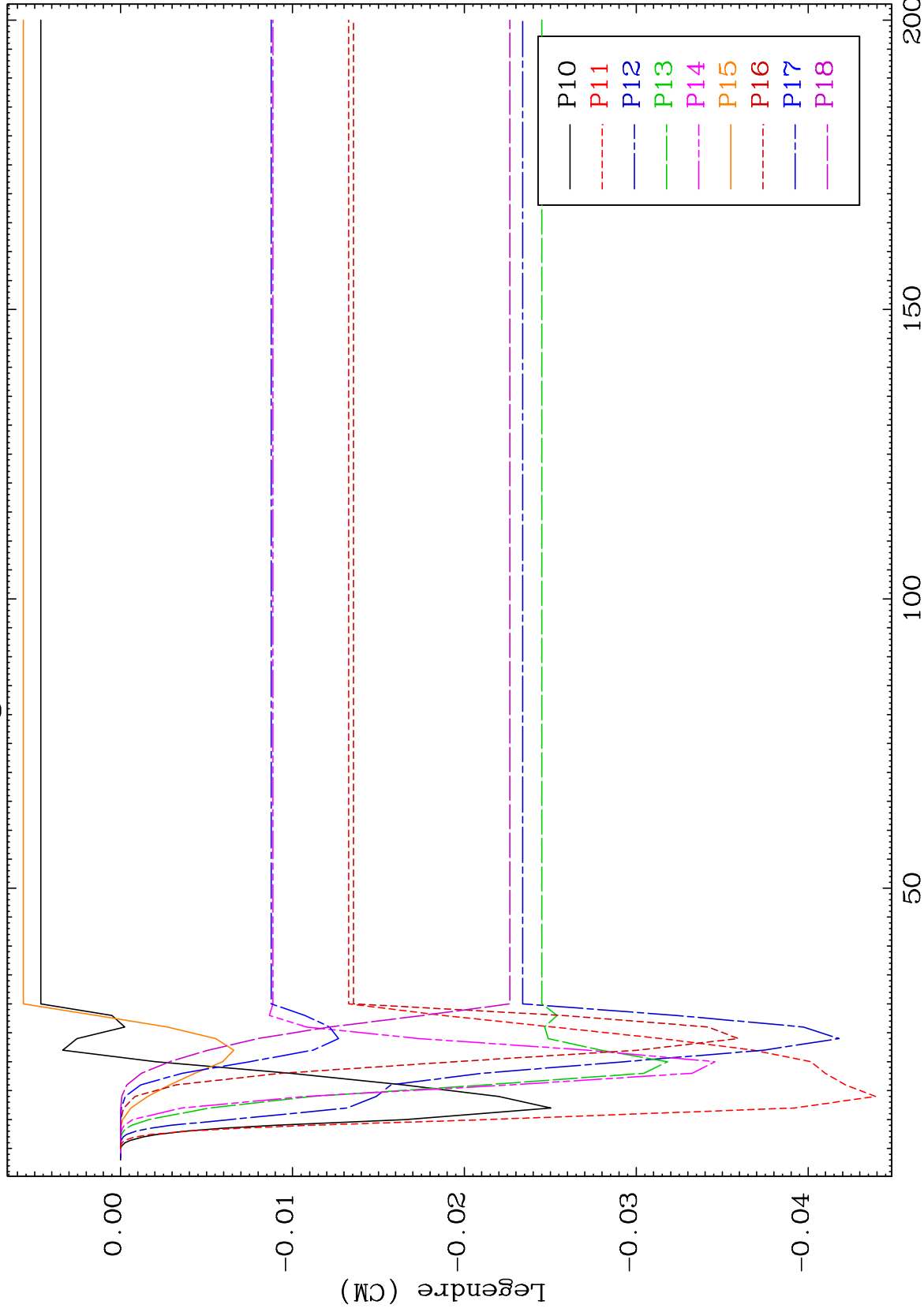
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140

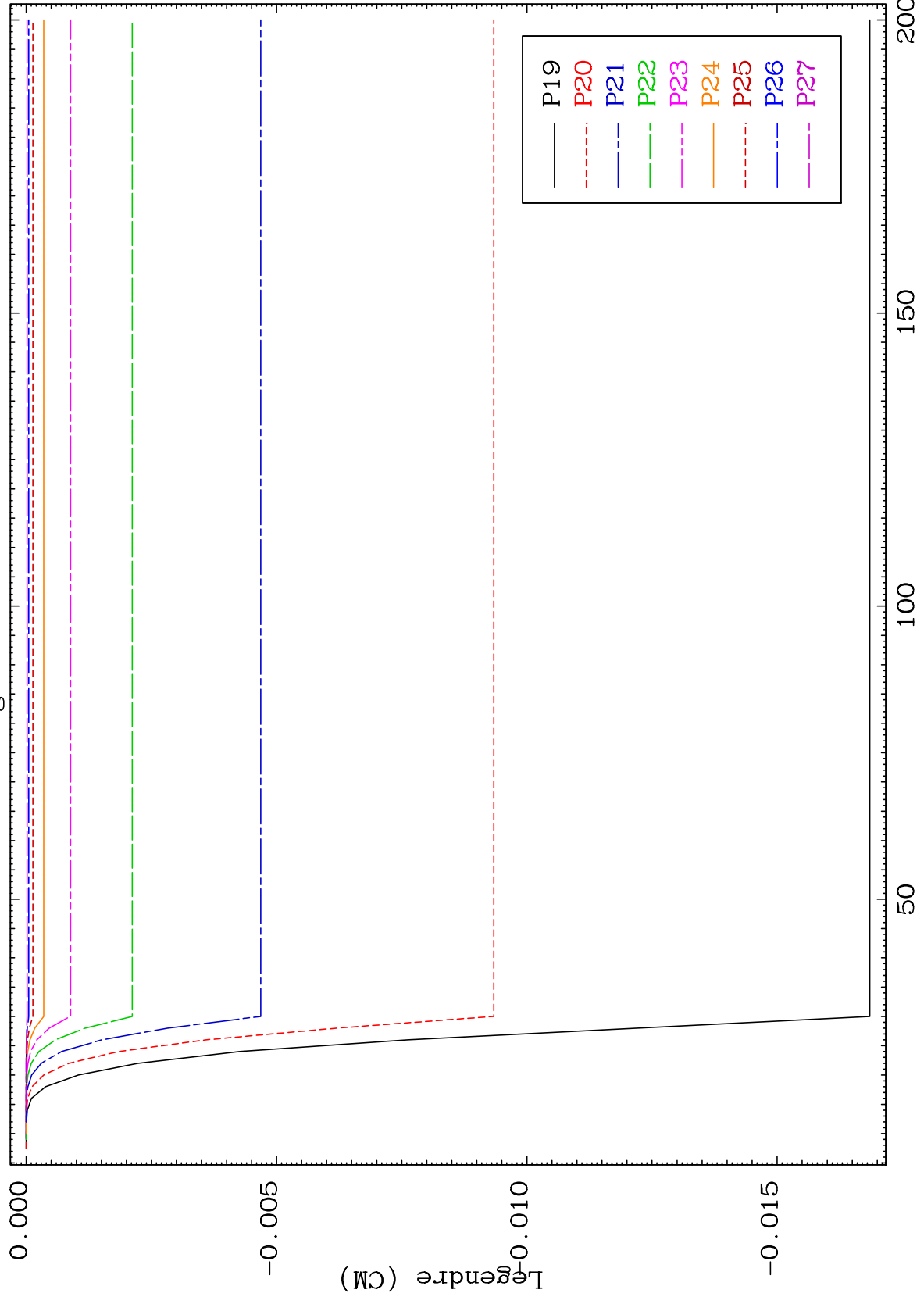


86

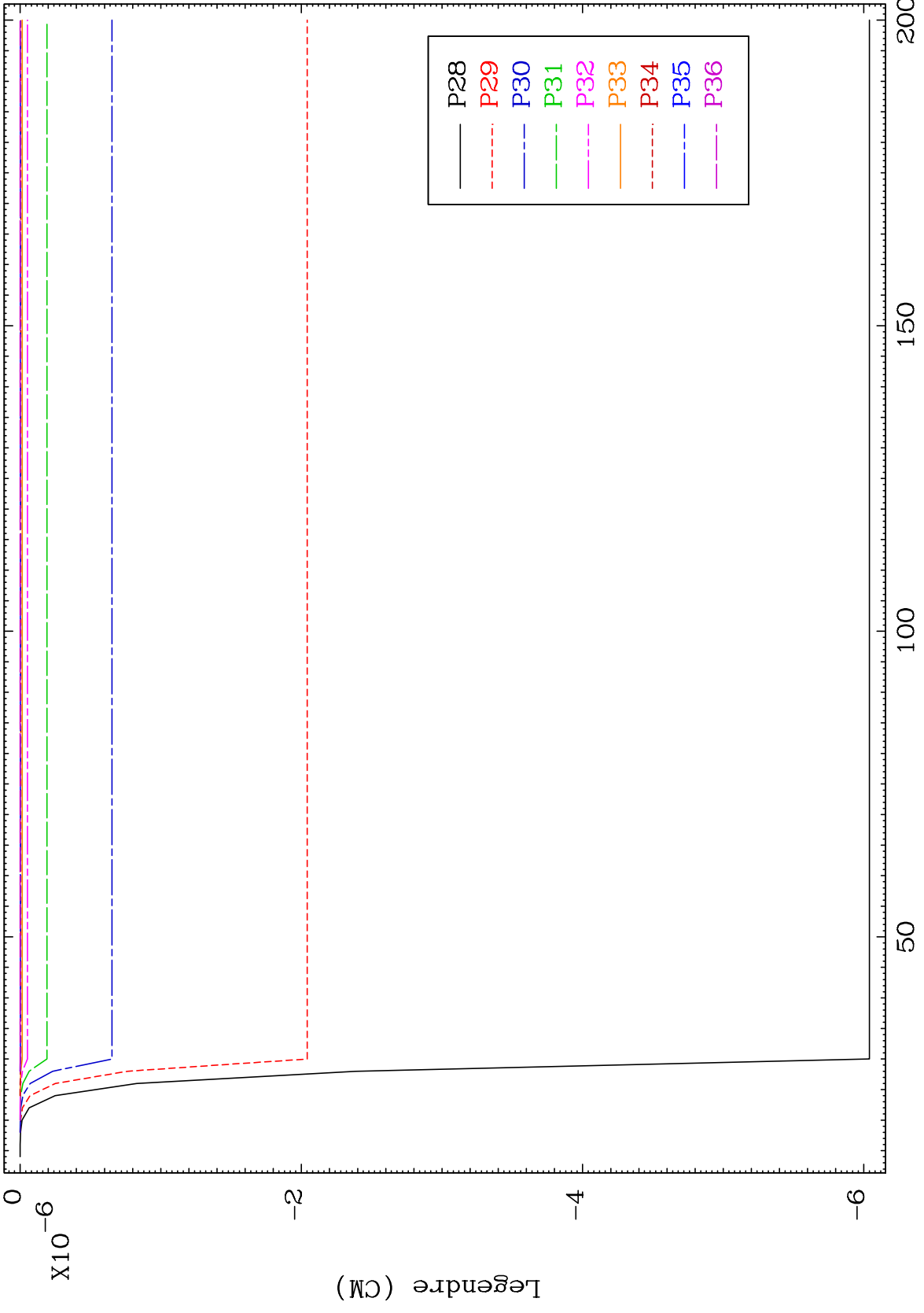
Incident Energy (MeV)

56-Ba-140

MAT 5655 MT= 69 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 69 (n,n') Level Legendre Coefficients 56-Ba-140

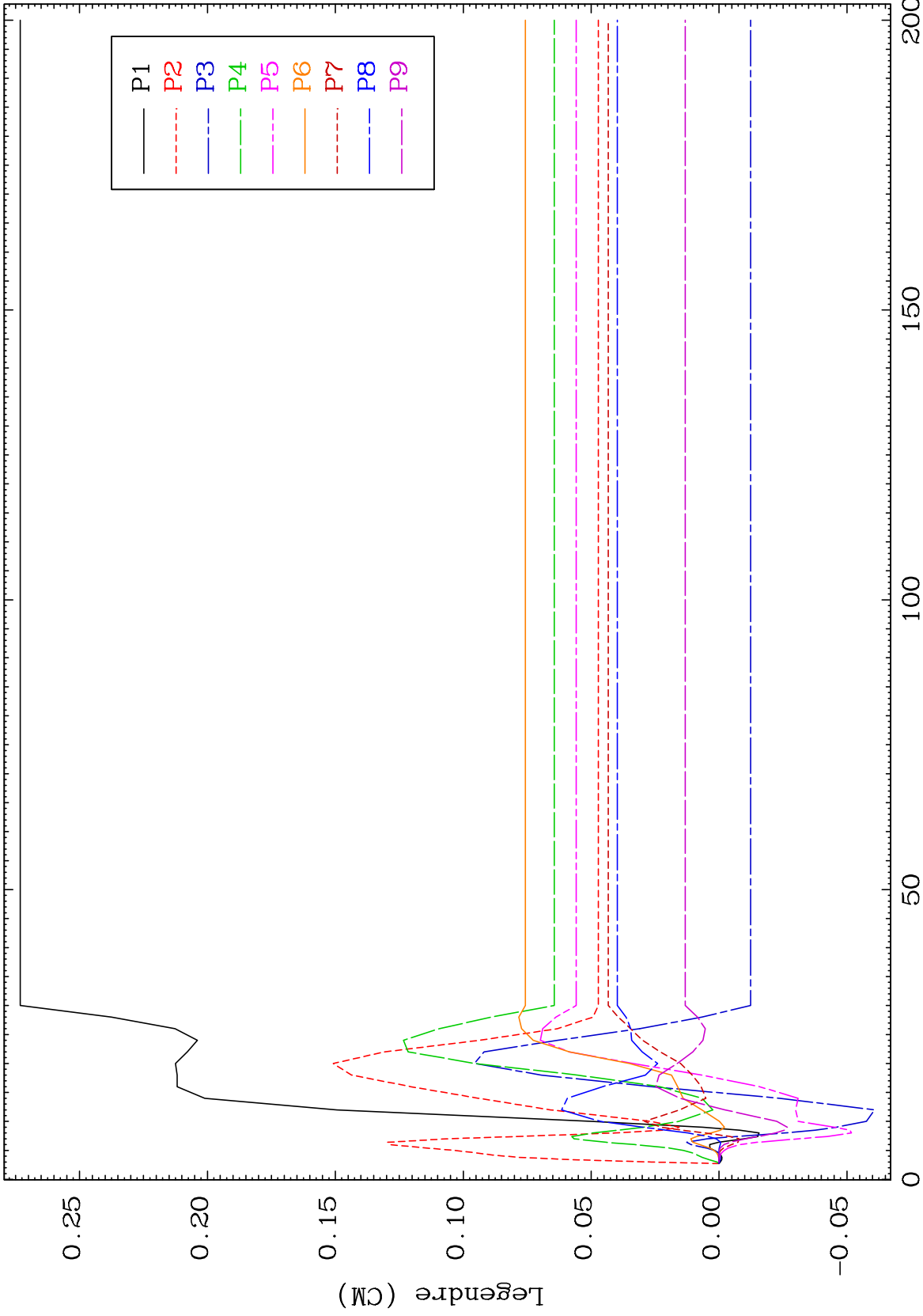


88 Incident Energy (MeV) 56-Ba-140

MAT 5655

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

56-Ba-140



89

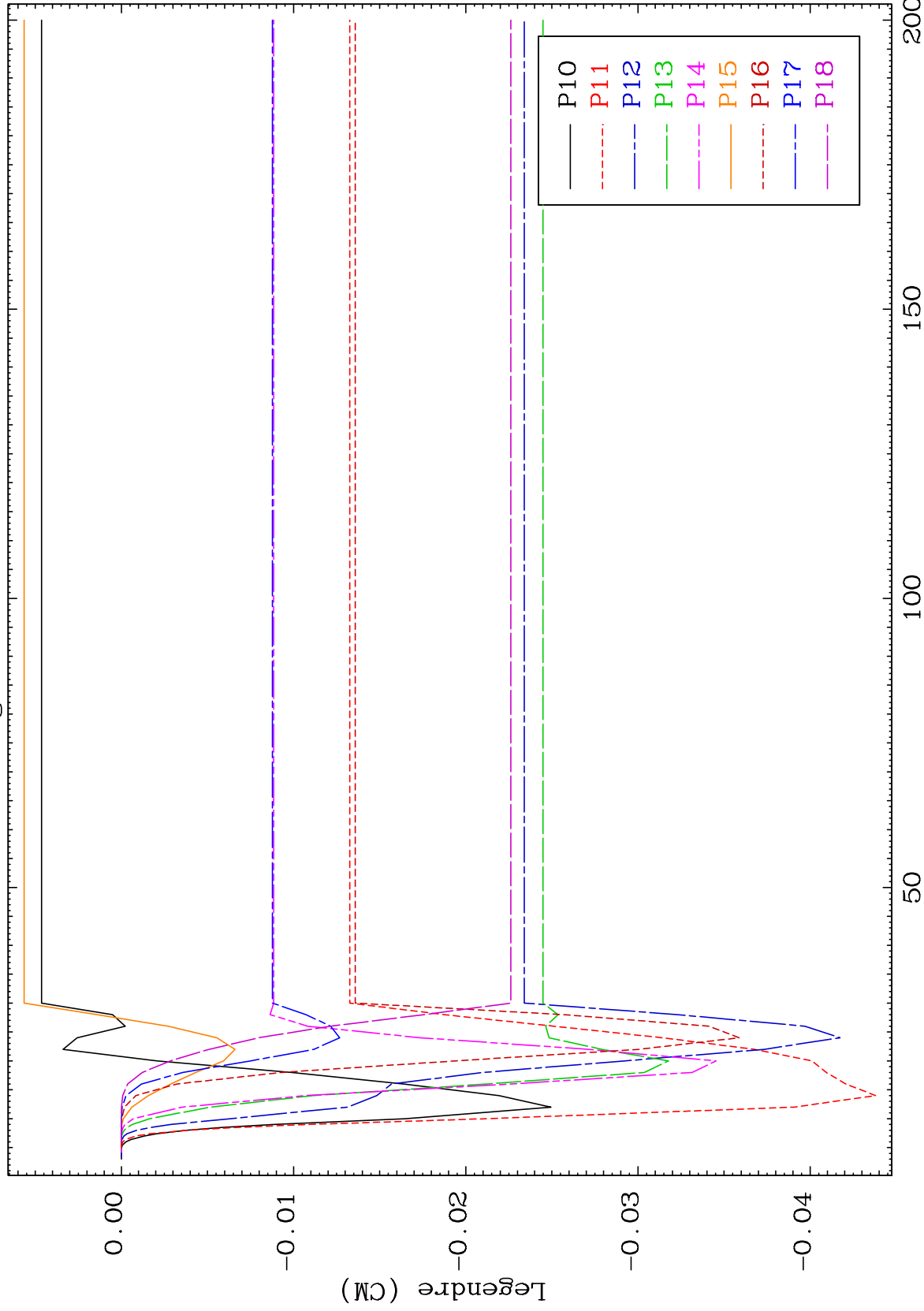
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



90

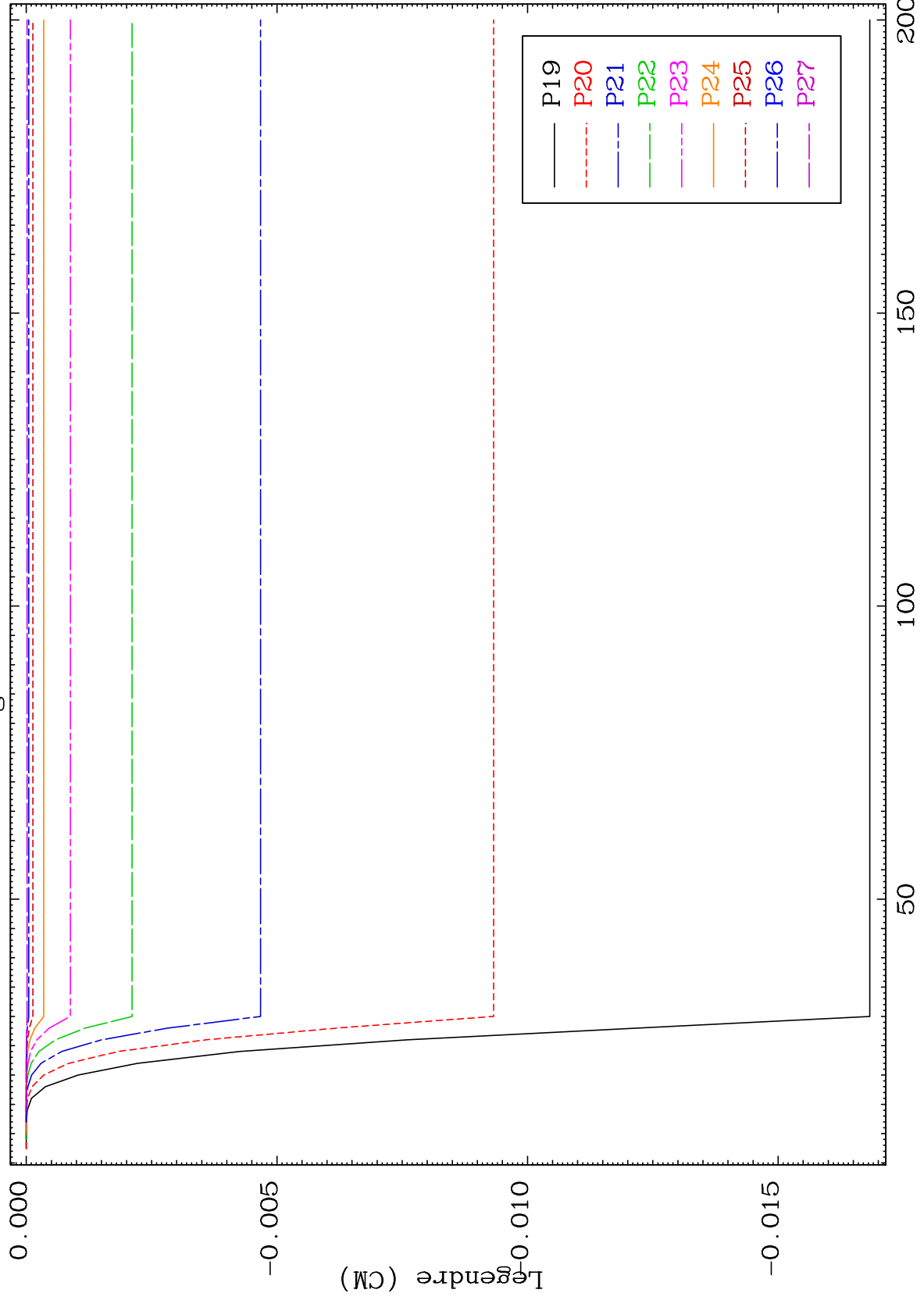
Incident Energy (MeV)

56-Ba-140

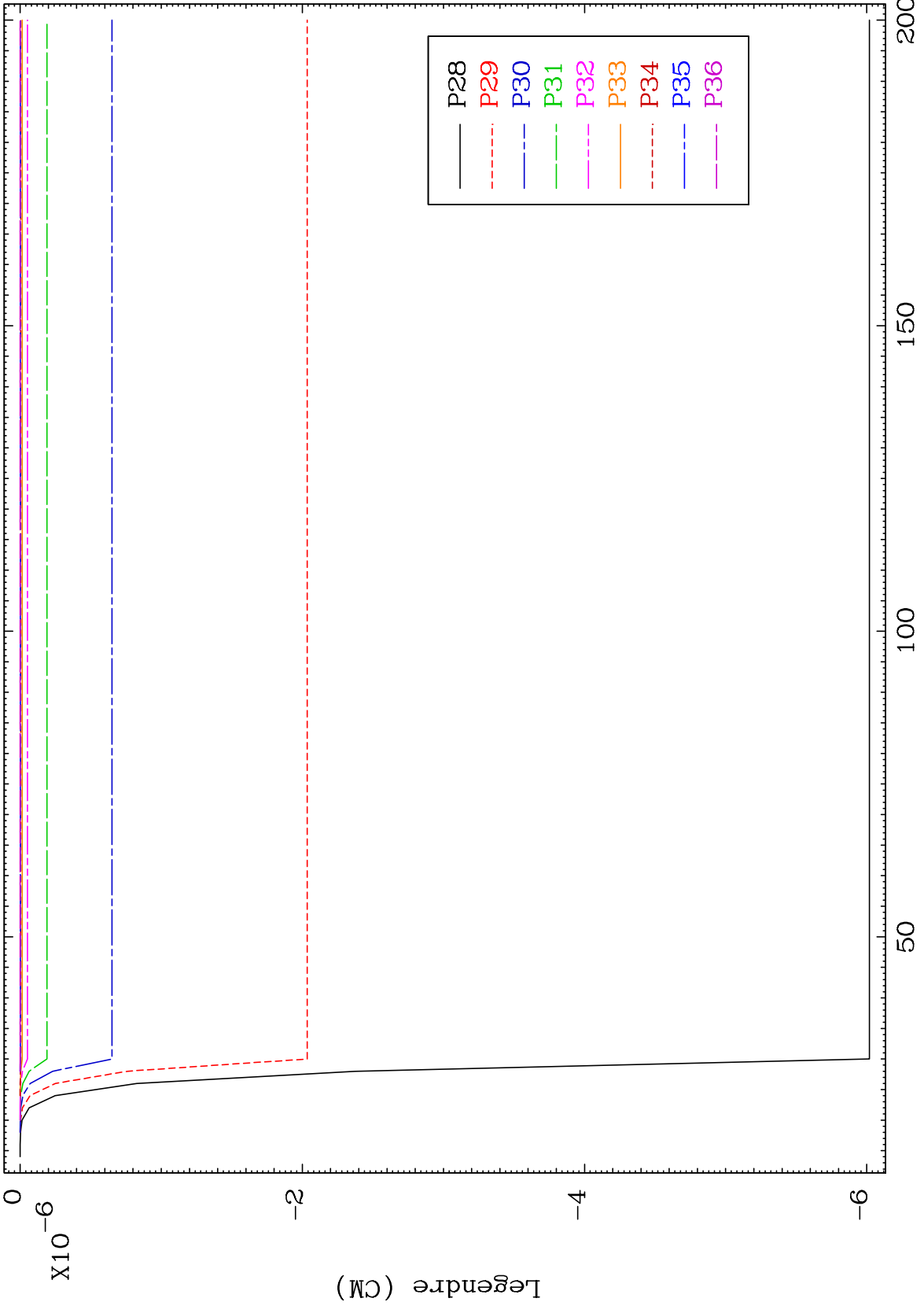
150

200

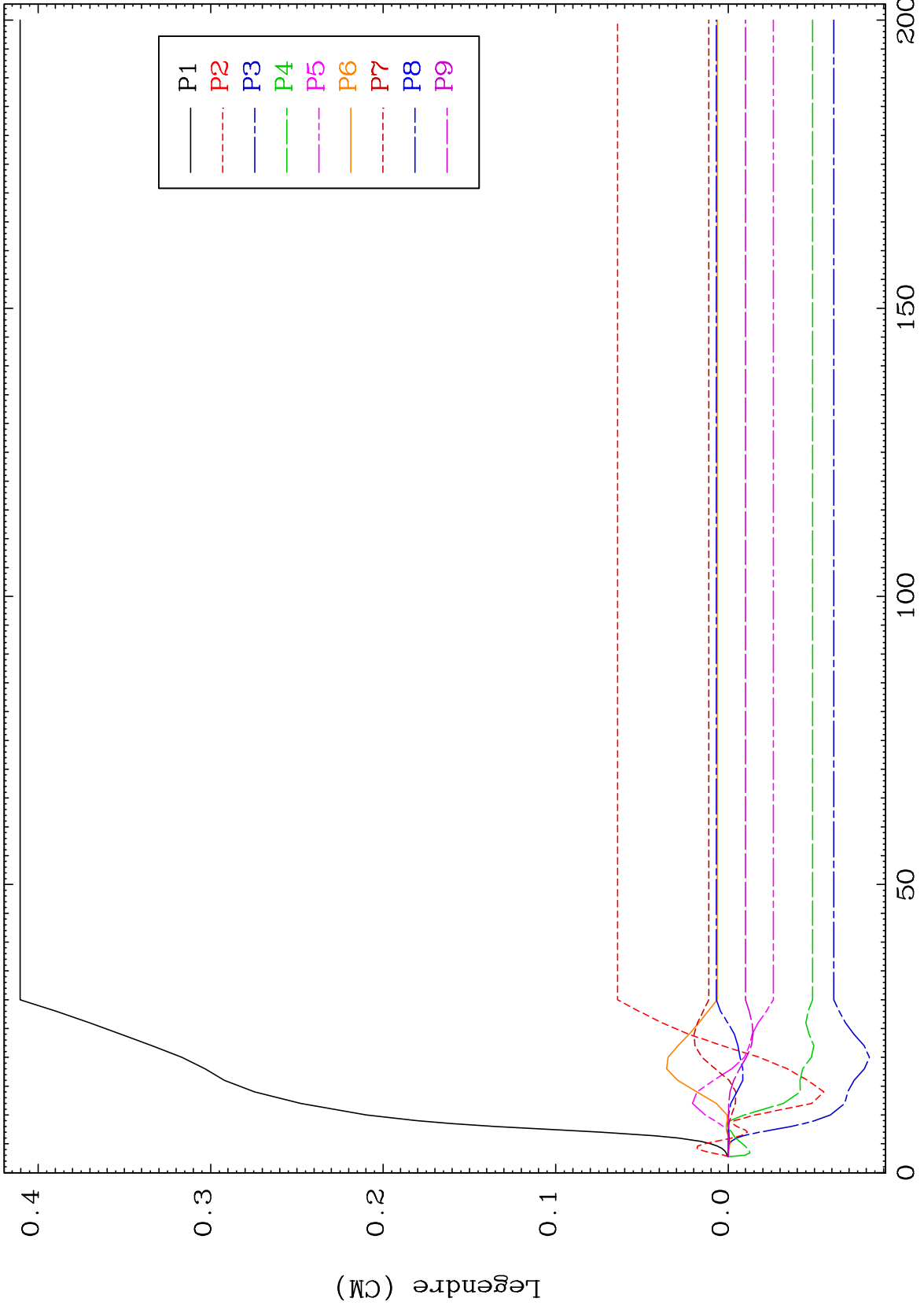
MAT 5655 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 71 (n,n') Level Legendre Coefficients 56-Ba-140

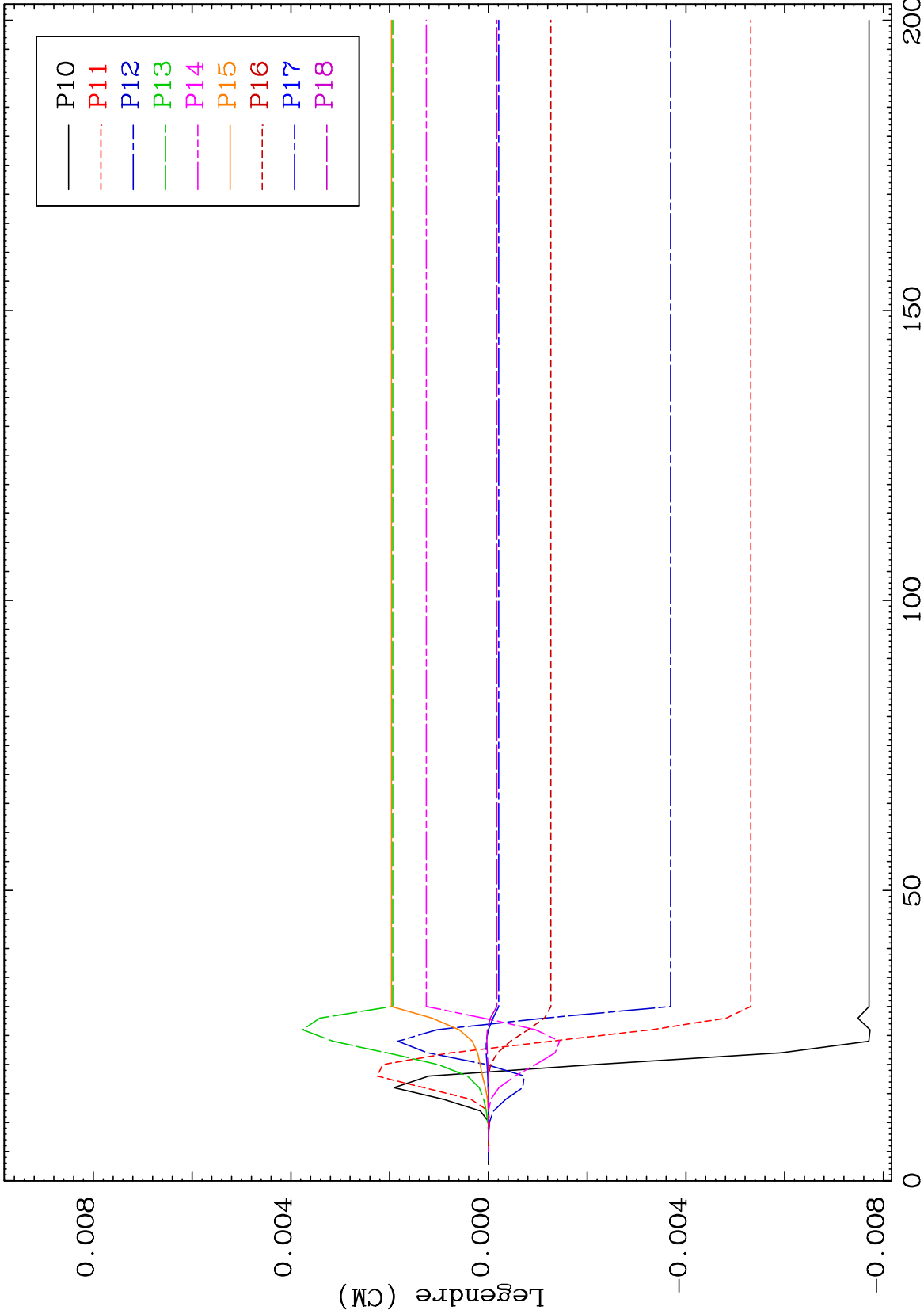


93 56-Ba-140

MAT 5655

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

56-Ba-140



94

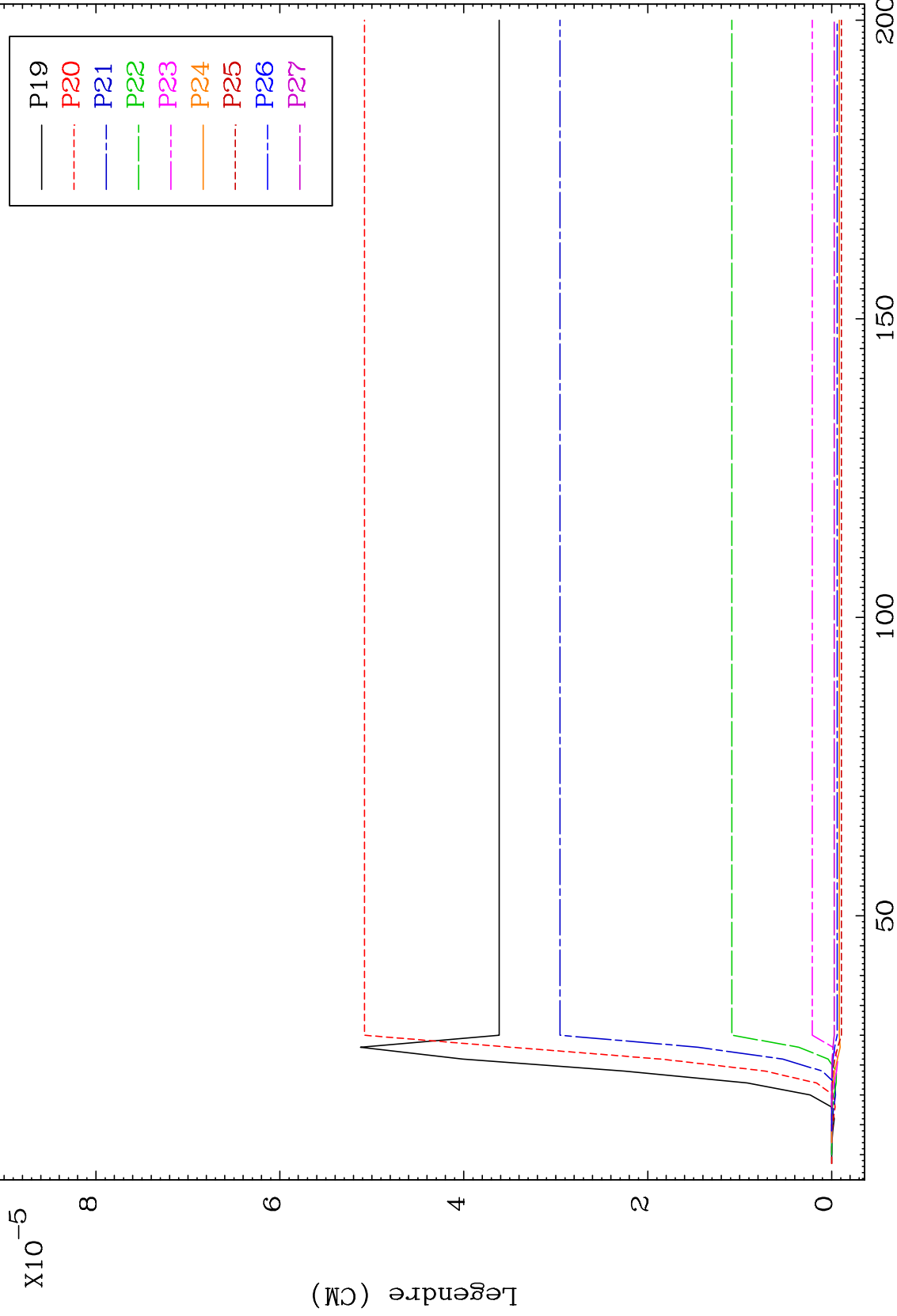
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



95

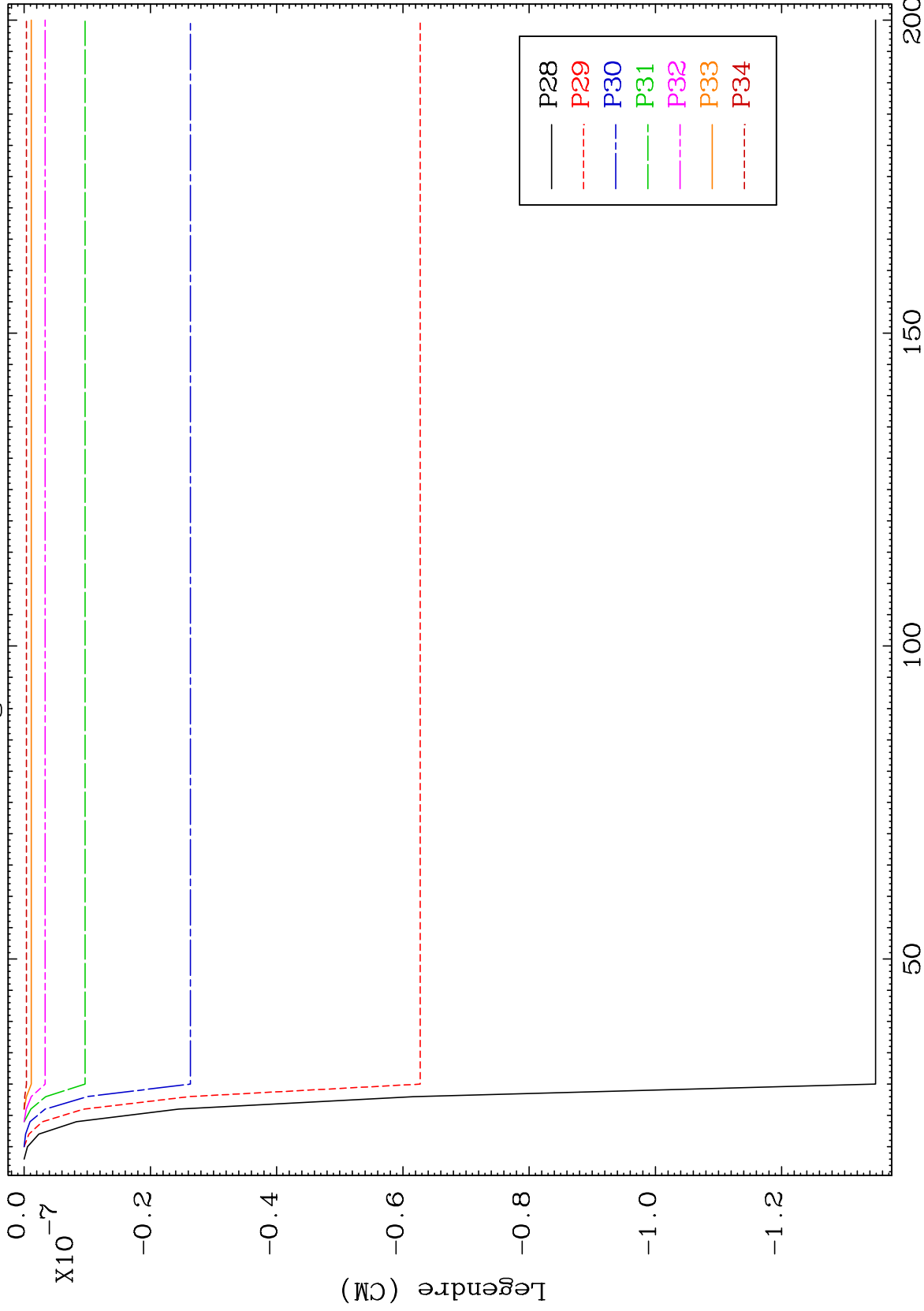
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



96

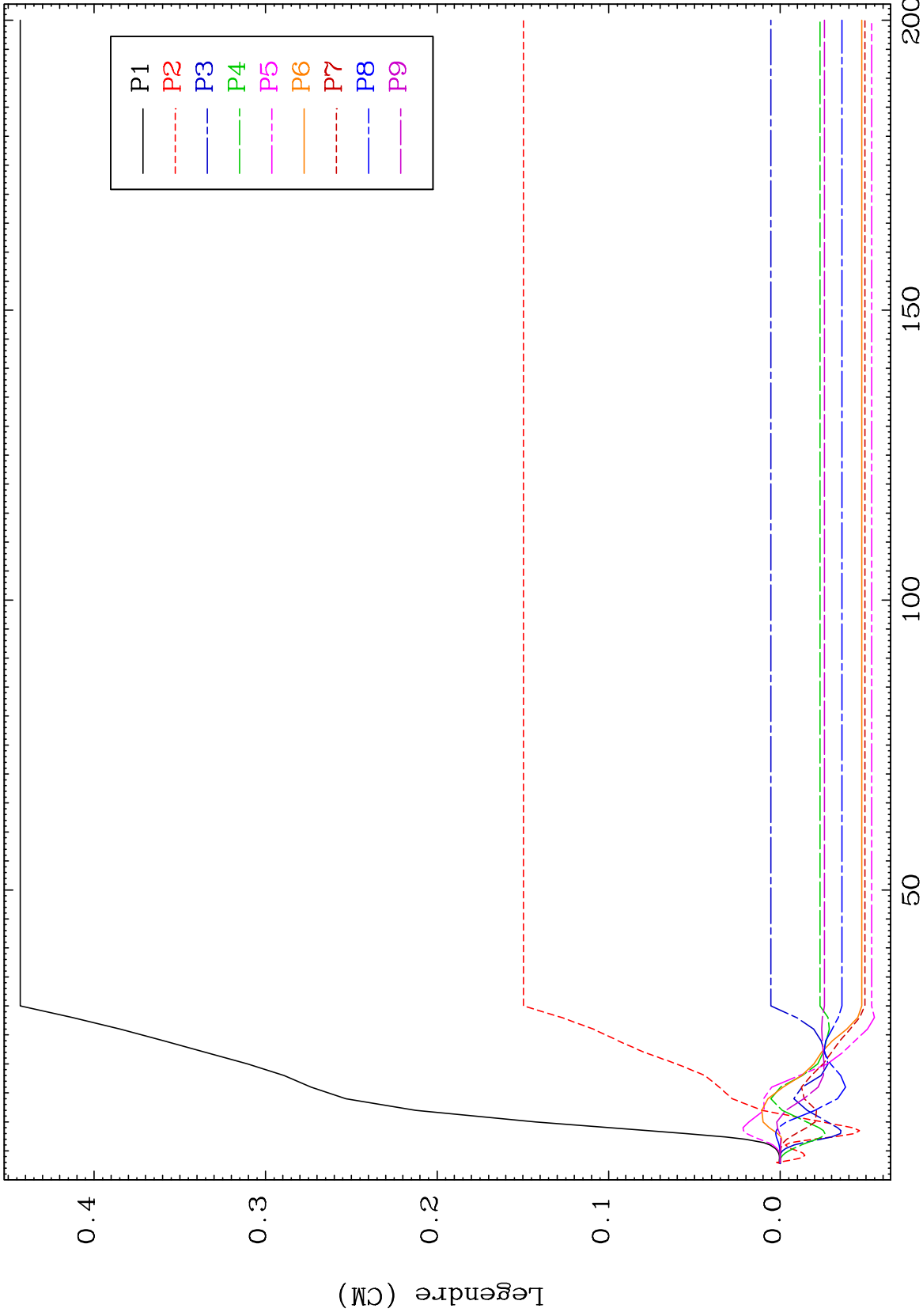
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



97

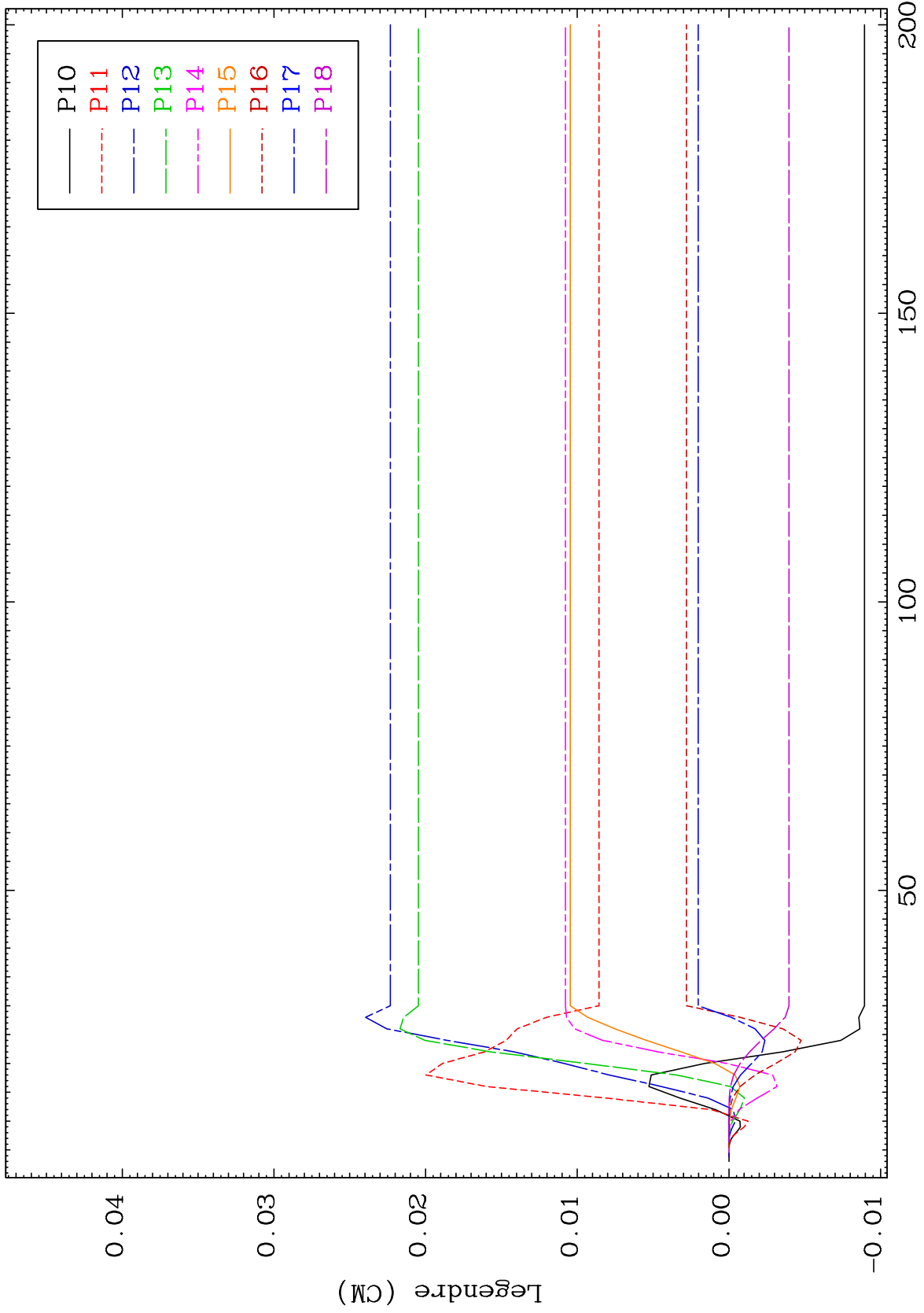
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



98

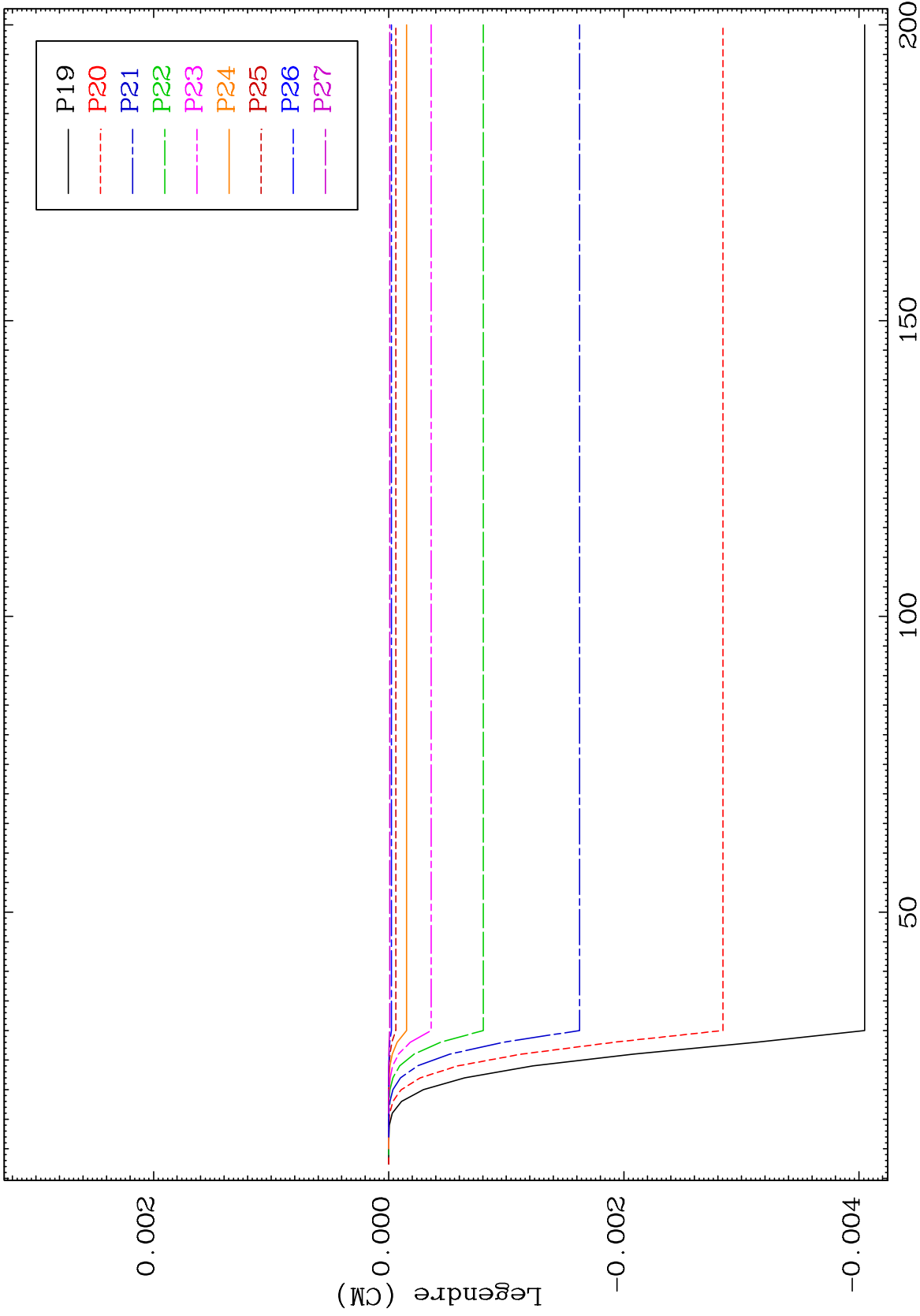
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140

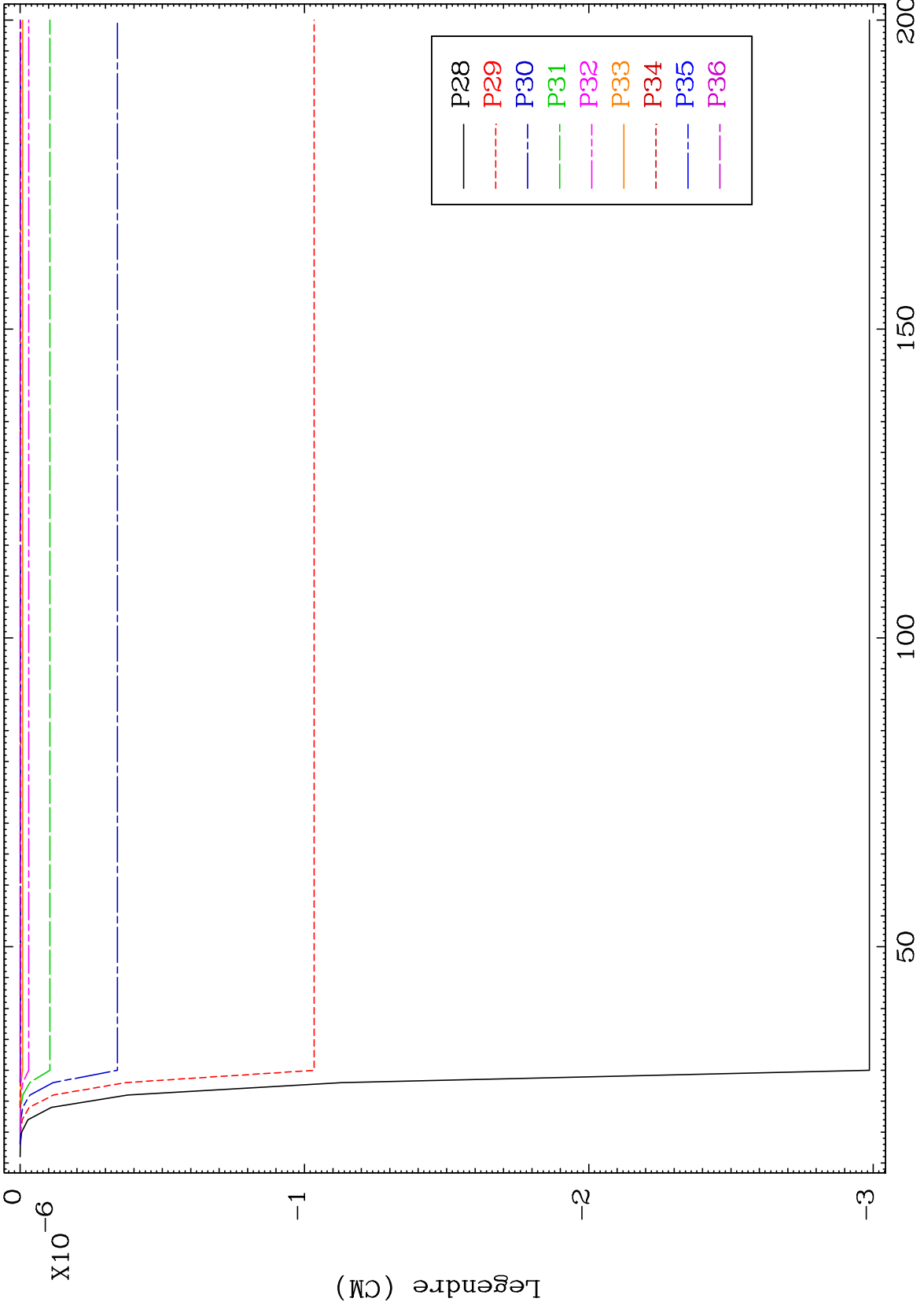


99

Incident Energy (MeV)

56-Ba-140

MAT 5655 MT= 72 (n,n') Level Legendre Coefficients 56-Ba-140

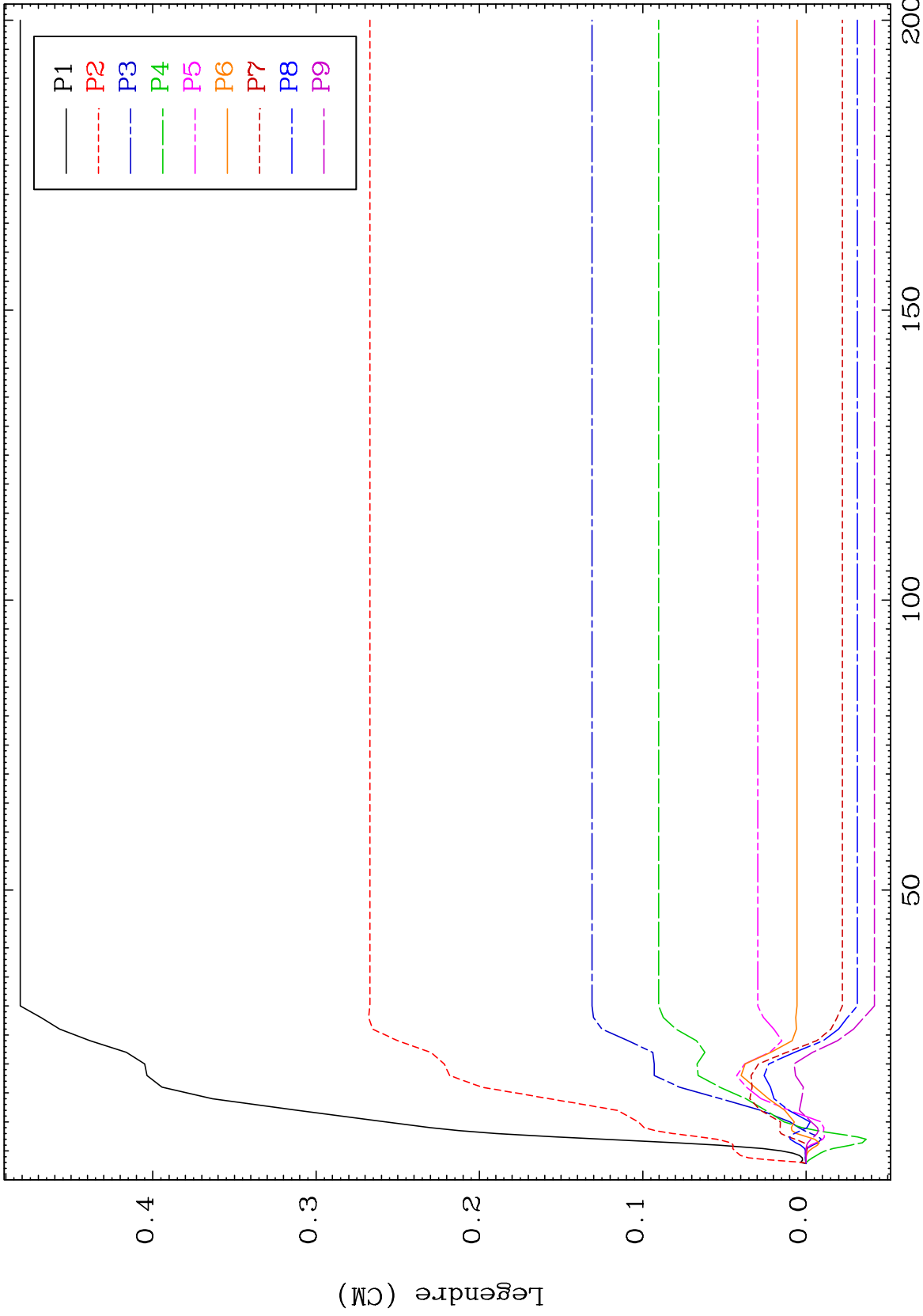


100 50 100 150 200 Incident Energy (MeV) 56-Ba-140

MAT 5655

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

56-Ba-140



101

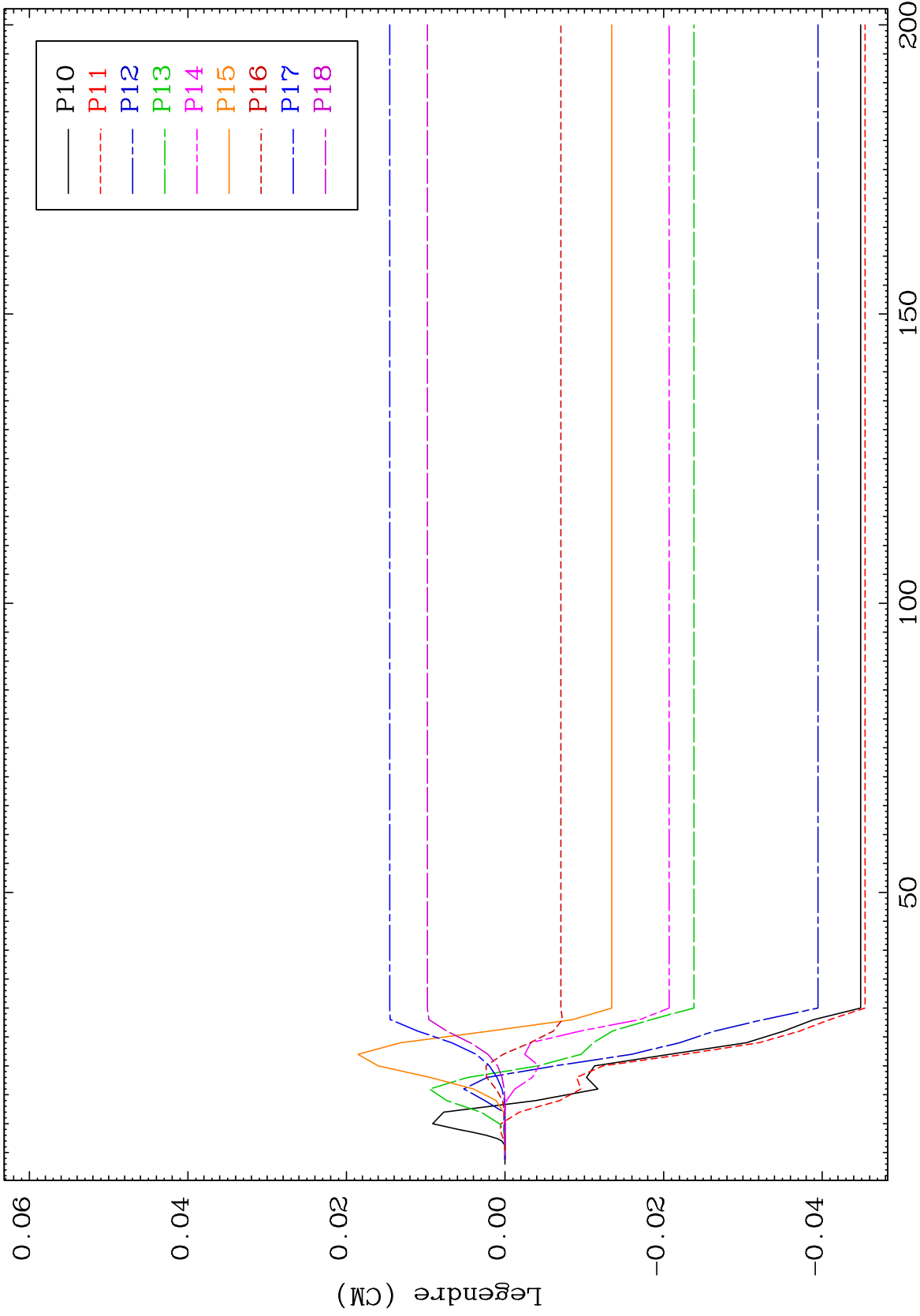
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



102

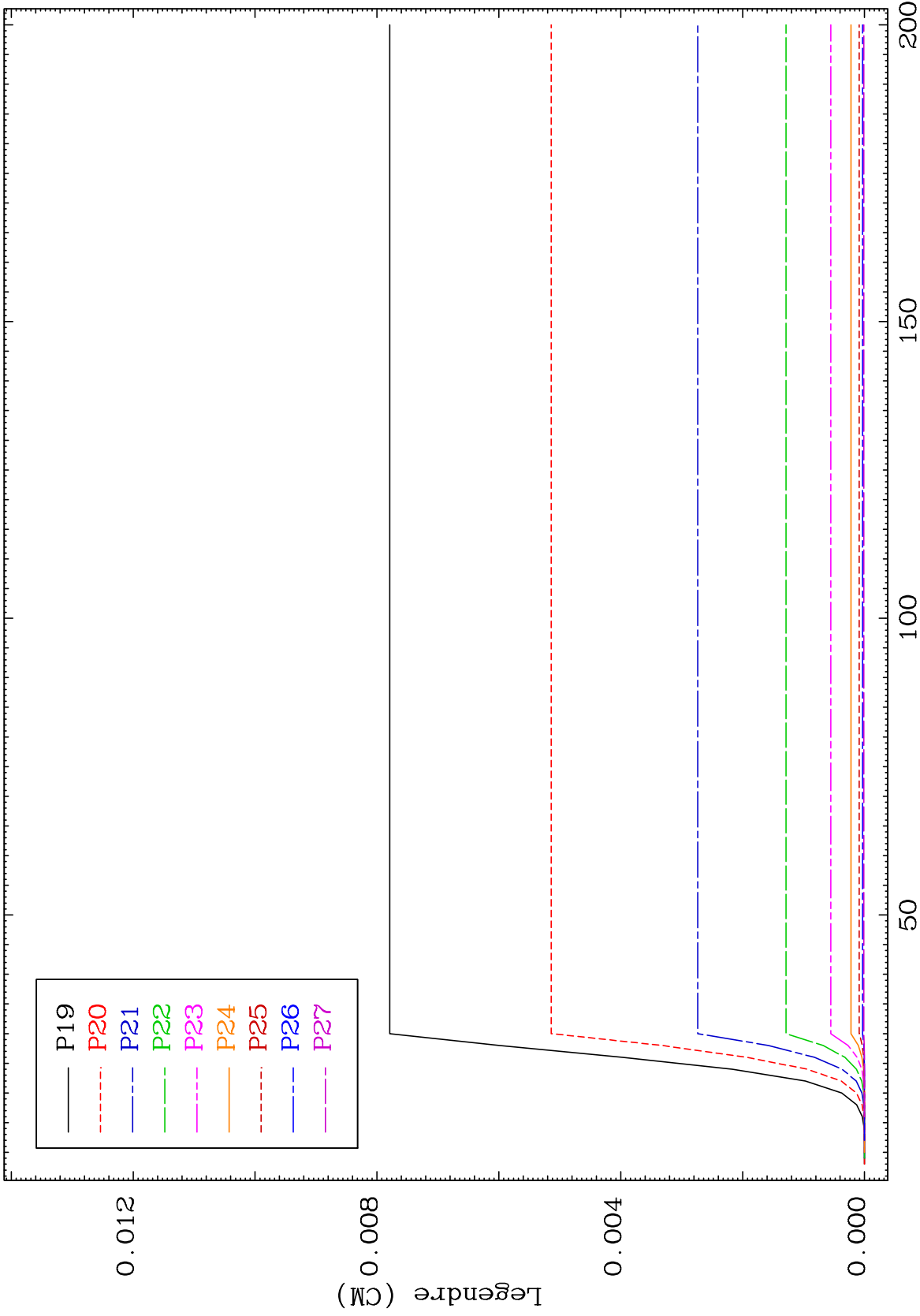
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



103

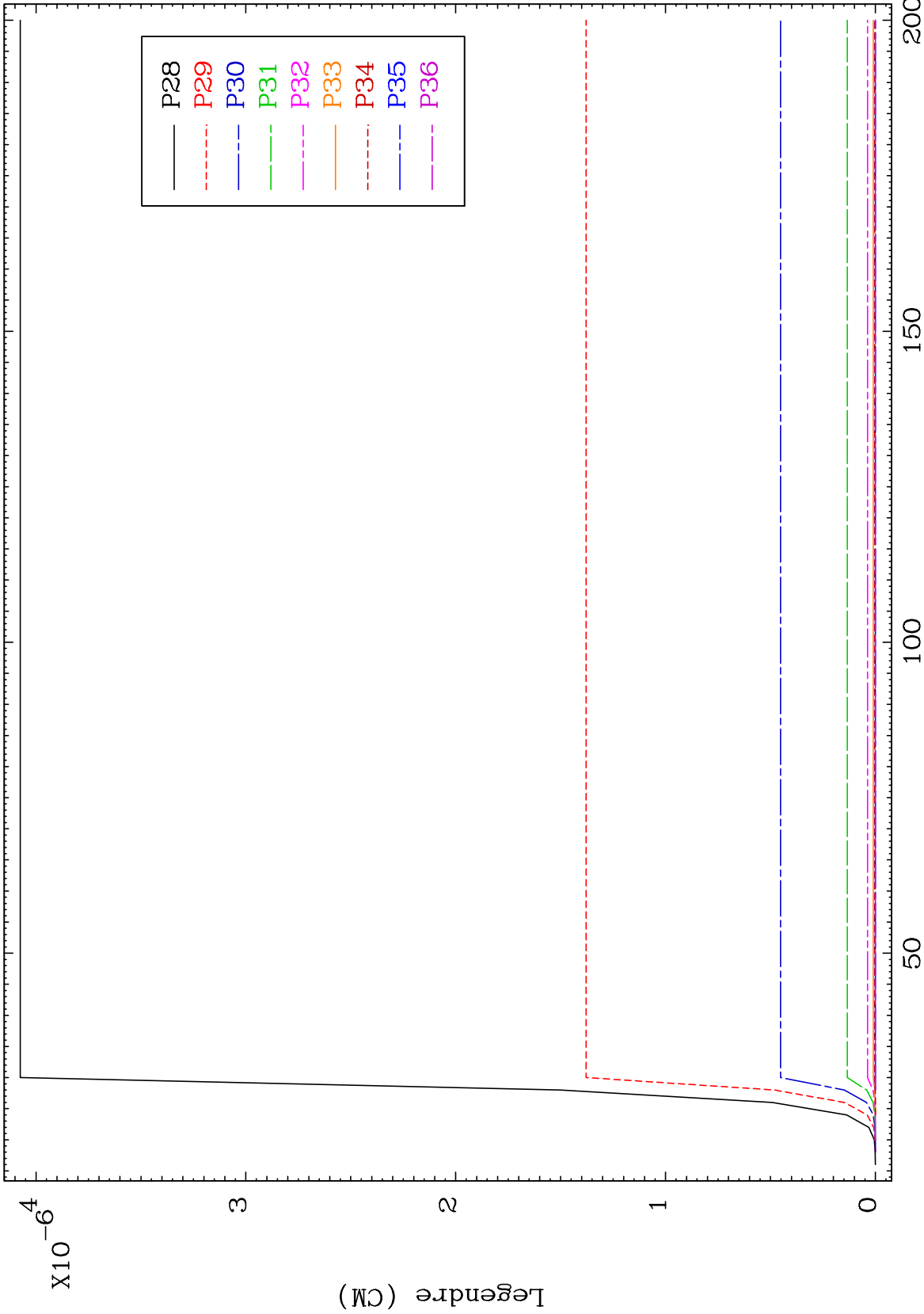
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140

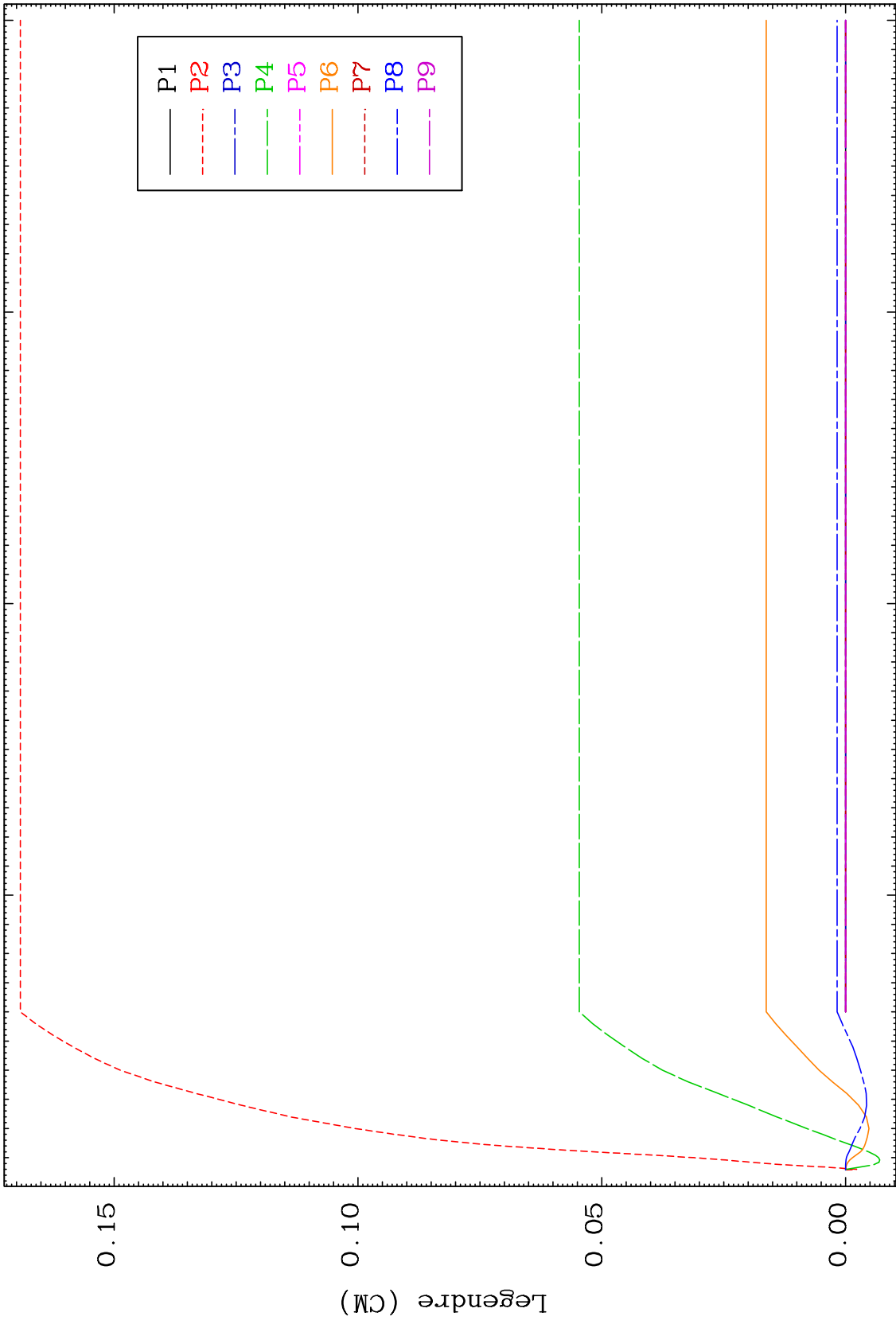


104

Incident Energy (MeV)

56-Ba-140

MAT 5655 MT= 74 (n,n') Level Legendre Coefficients 56-Ba-140

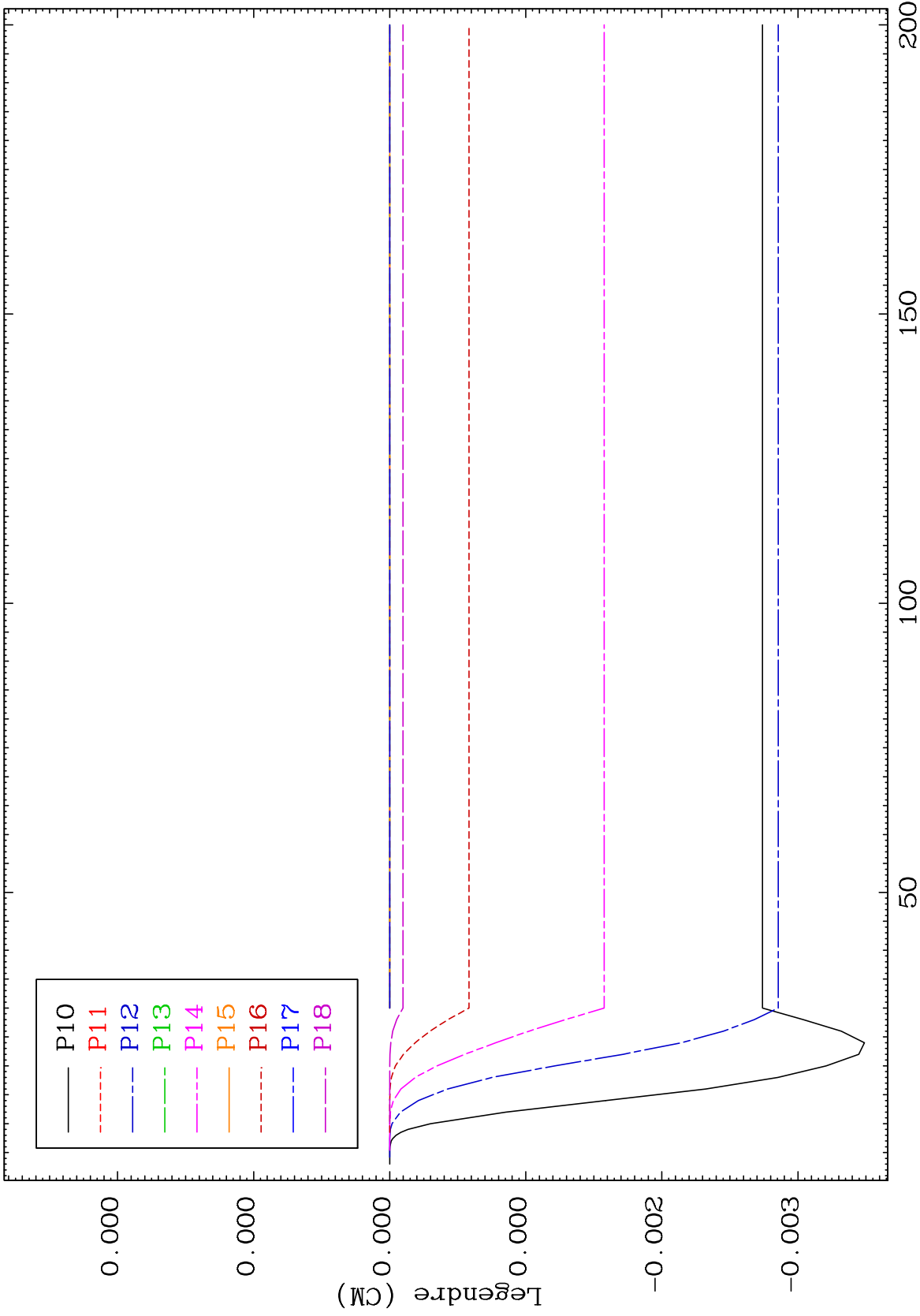


56-Ba-140

MAT 5655

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

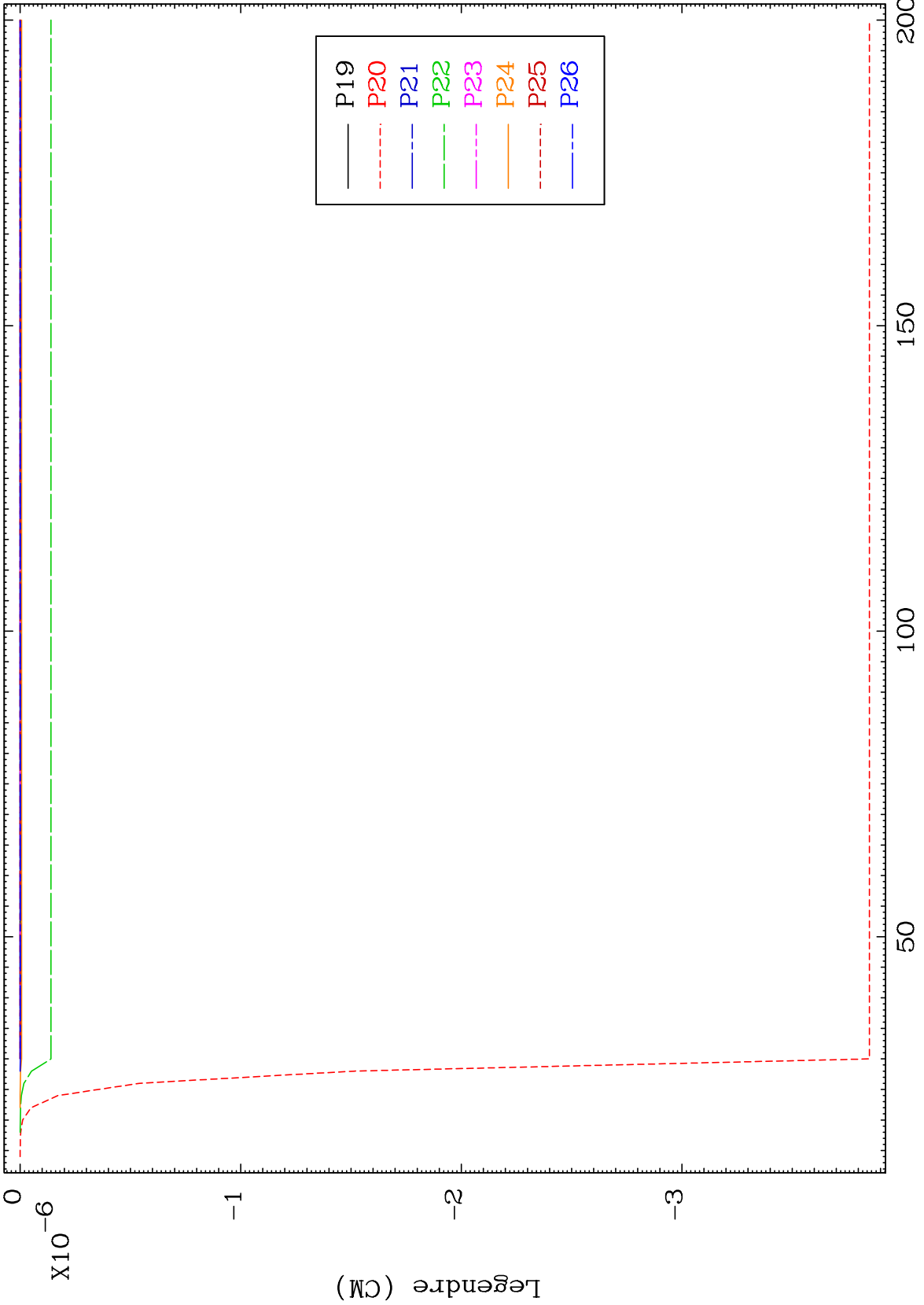
56-Ba-140



106

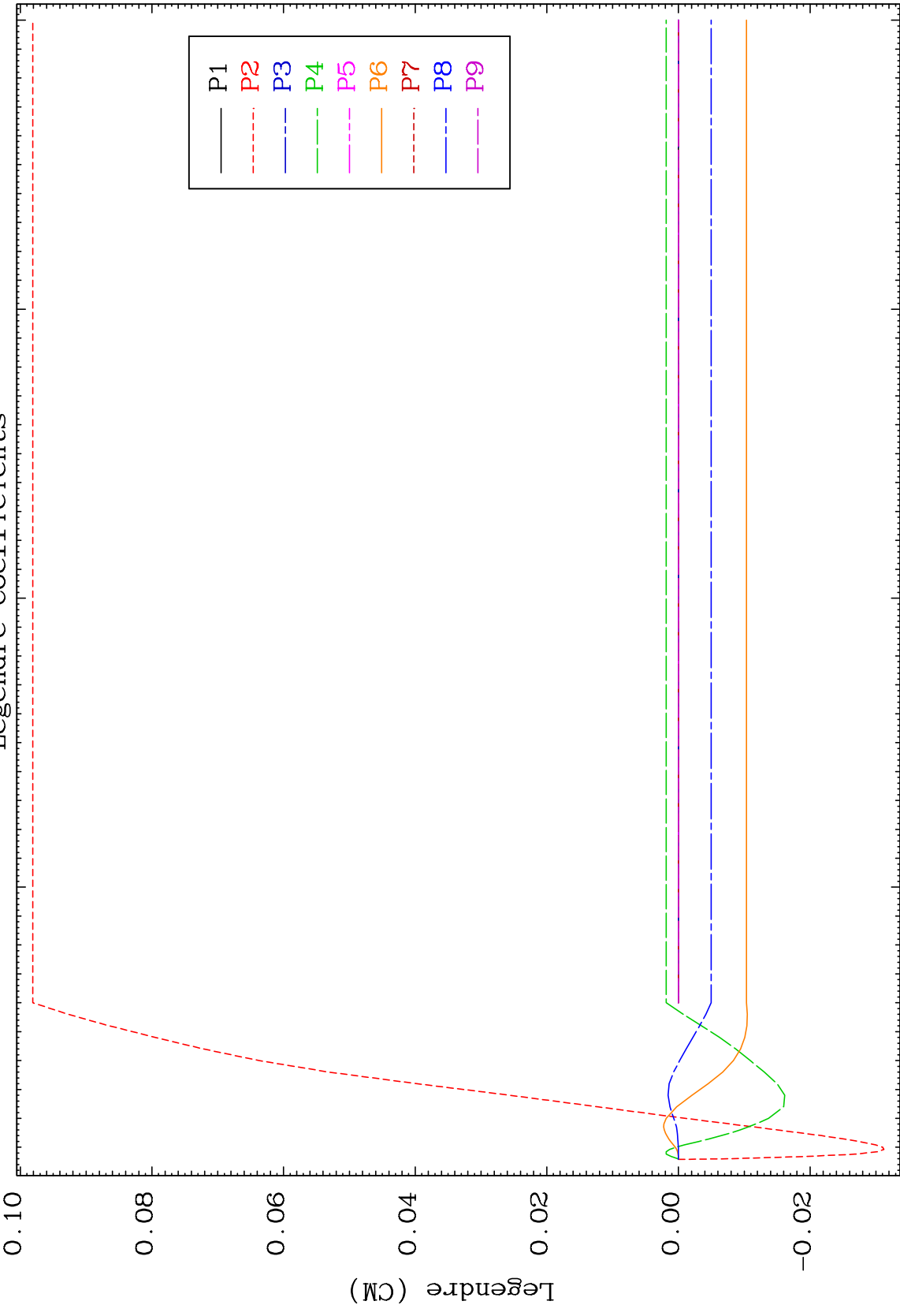
56-Ba-140

MAT 5655 MT= 74 (n,n') Level Legendre Coefficients 56-Ba-140



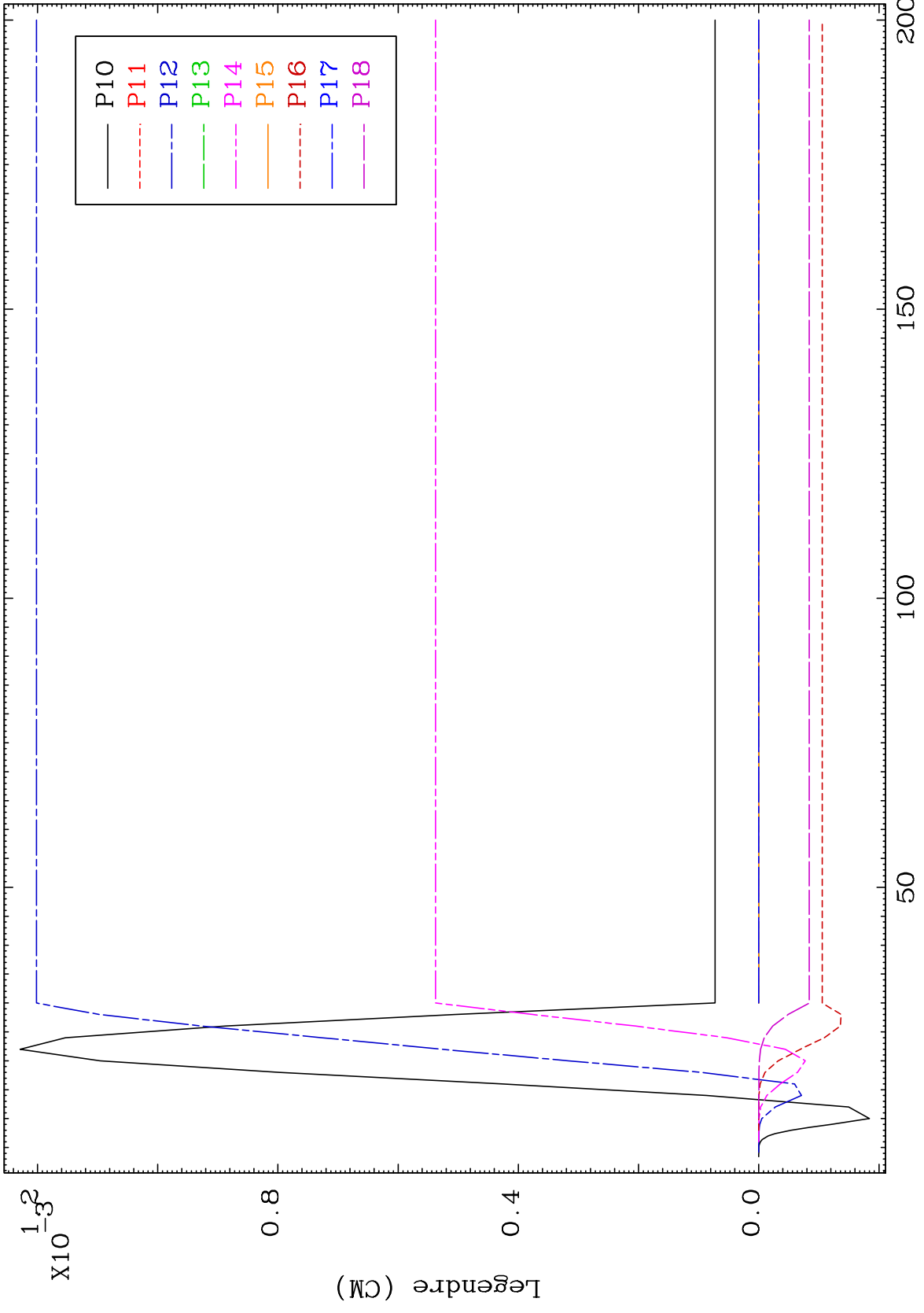
107 56-Ba-140

MAT 5655 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-140



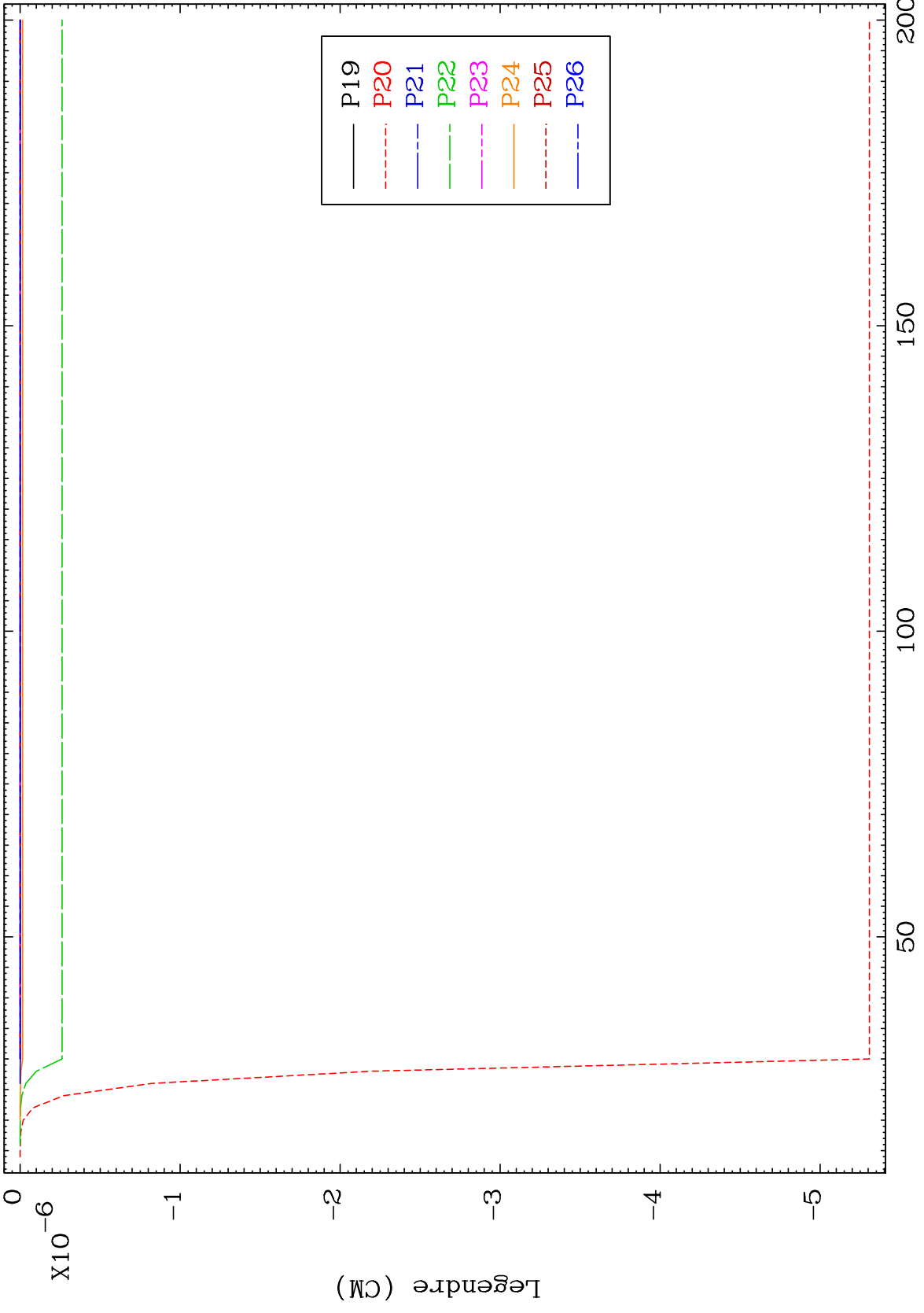
108 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-140



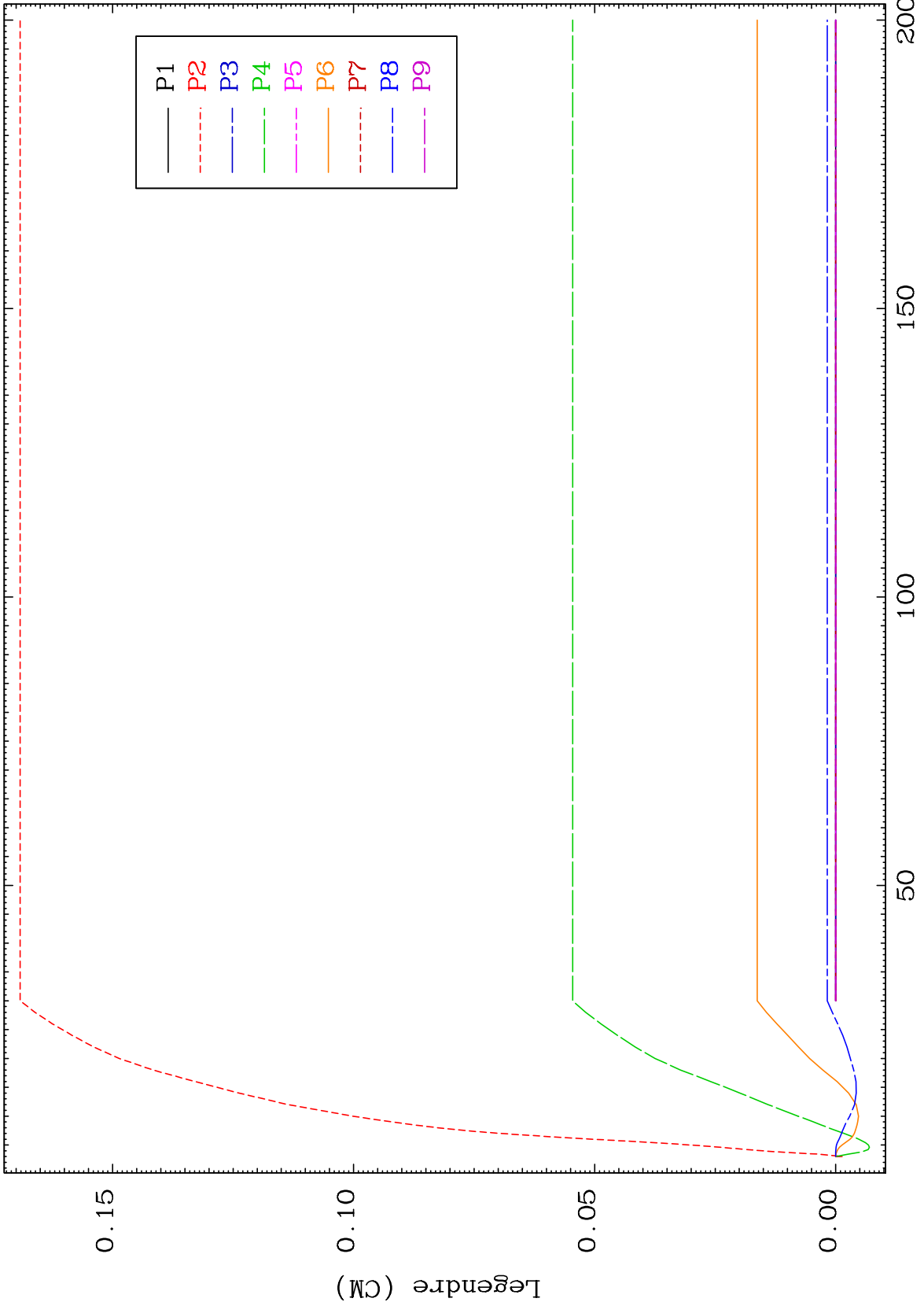
109 56-Ba-140

MAT 5655 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-140



110 Incident Energy (MeV) 56-Ba-140

MAT 5655 MT= 76 (n,n') Level Legendre Coefficients 56-Ba-140

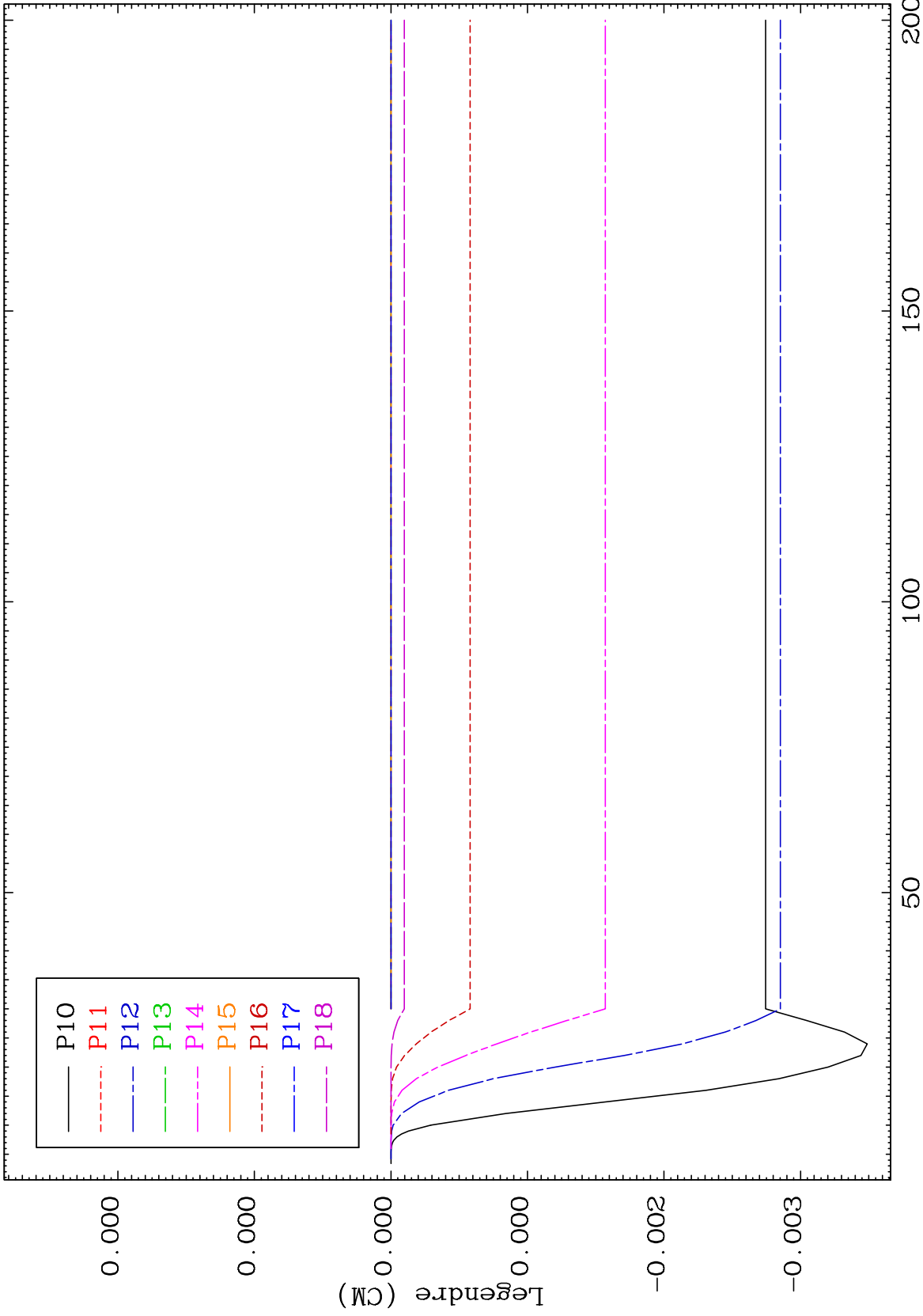


111 56-Ba-140

MAT 5655

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

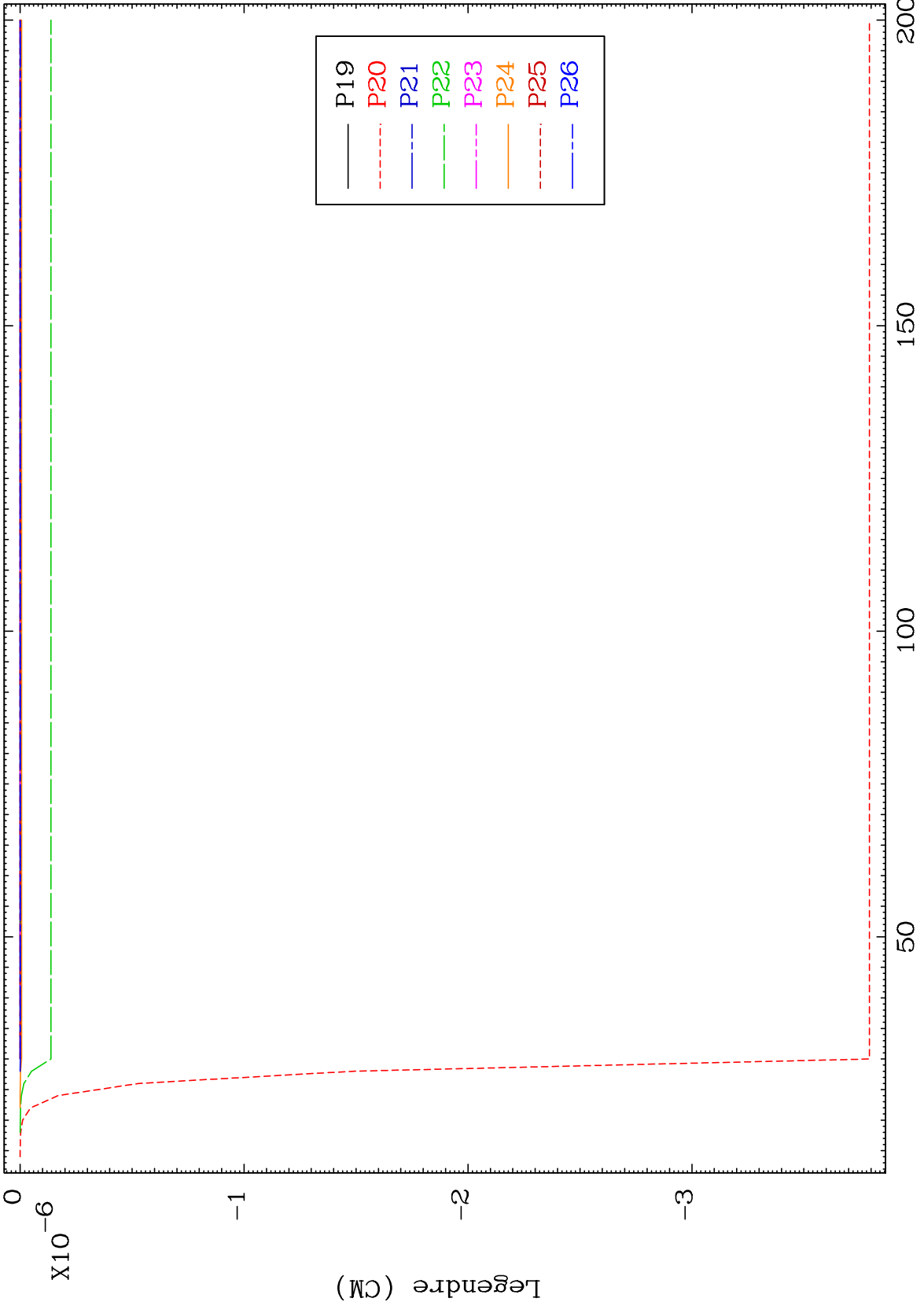
56-Ba-140



112

56-Ba-140

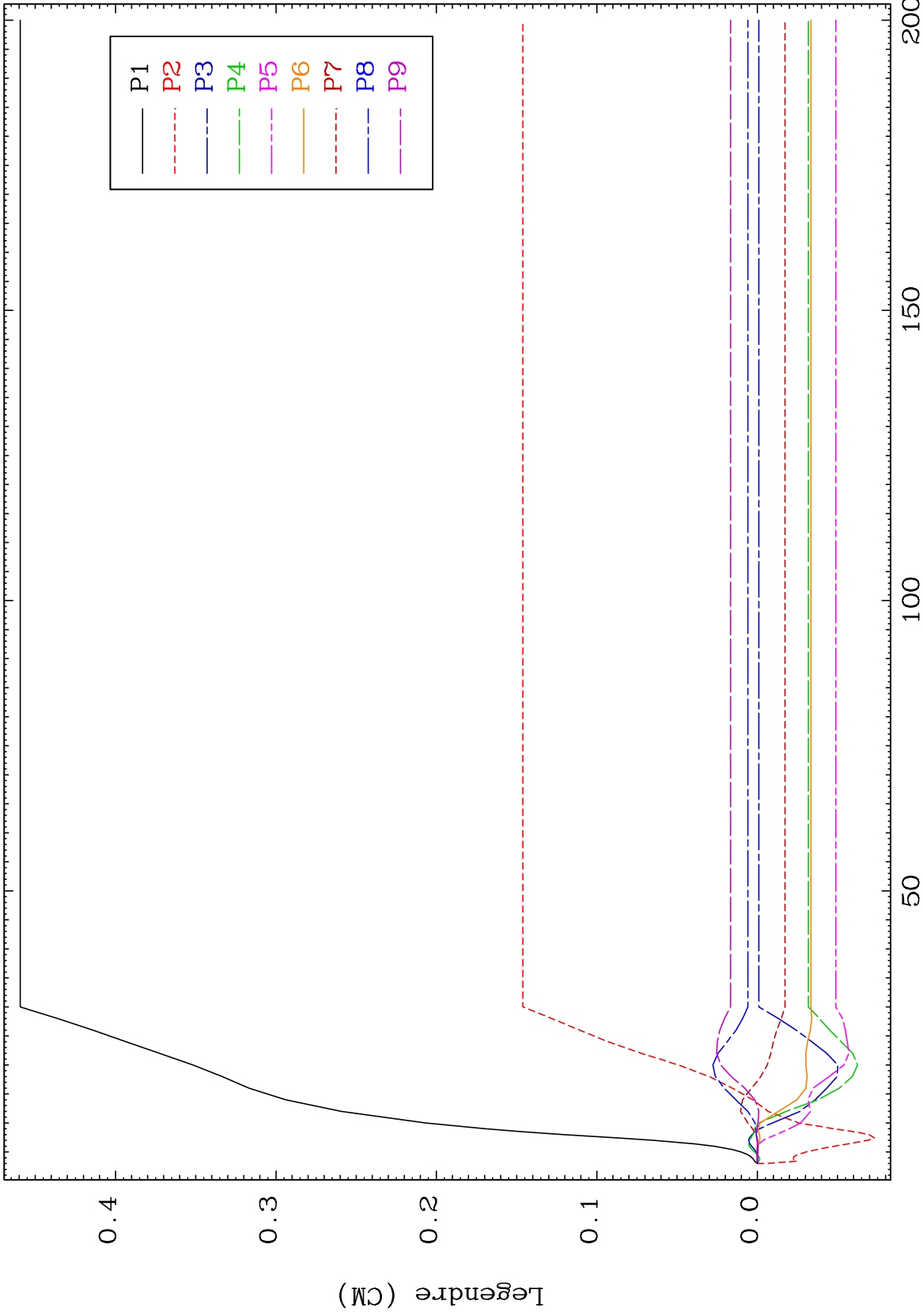
MAT 5655 MT= 76 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655

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

56-Ba-140



114

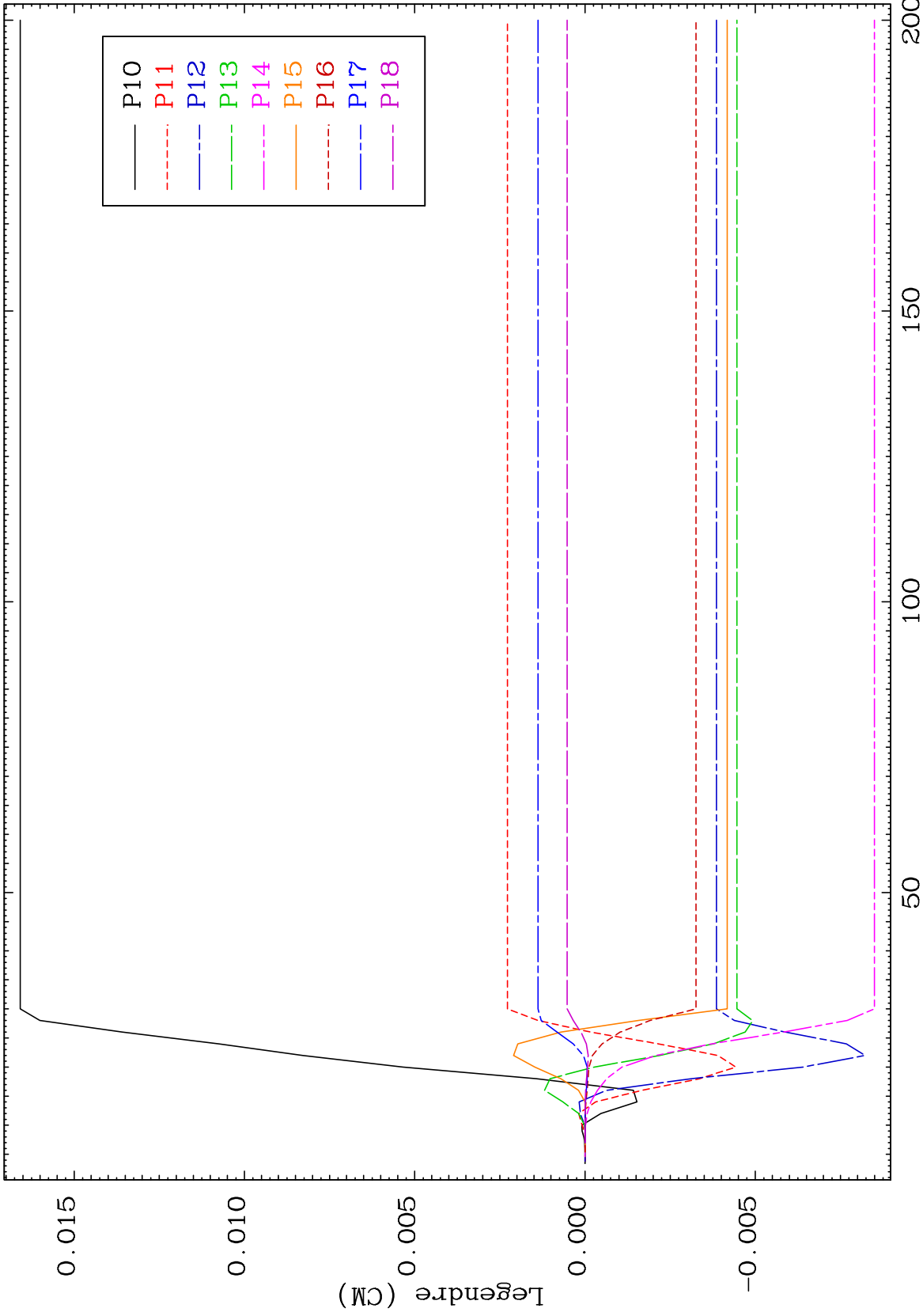
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



115

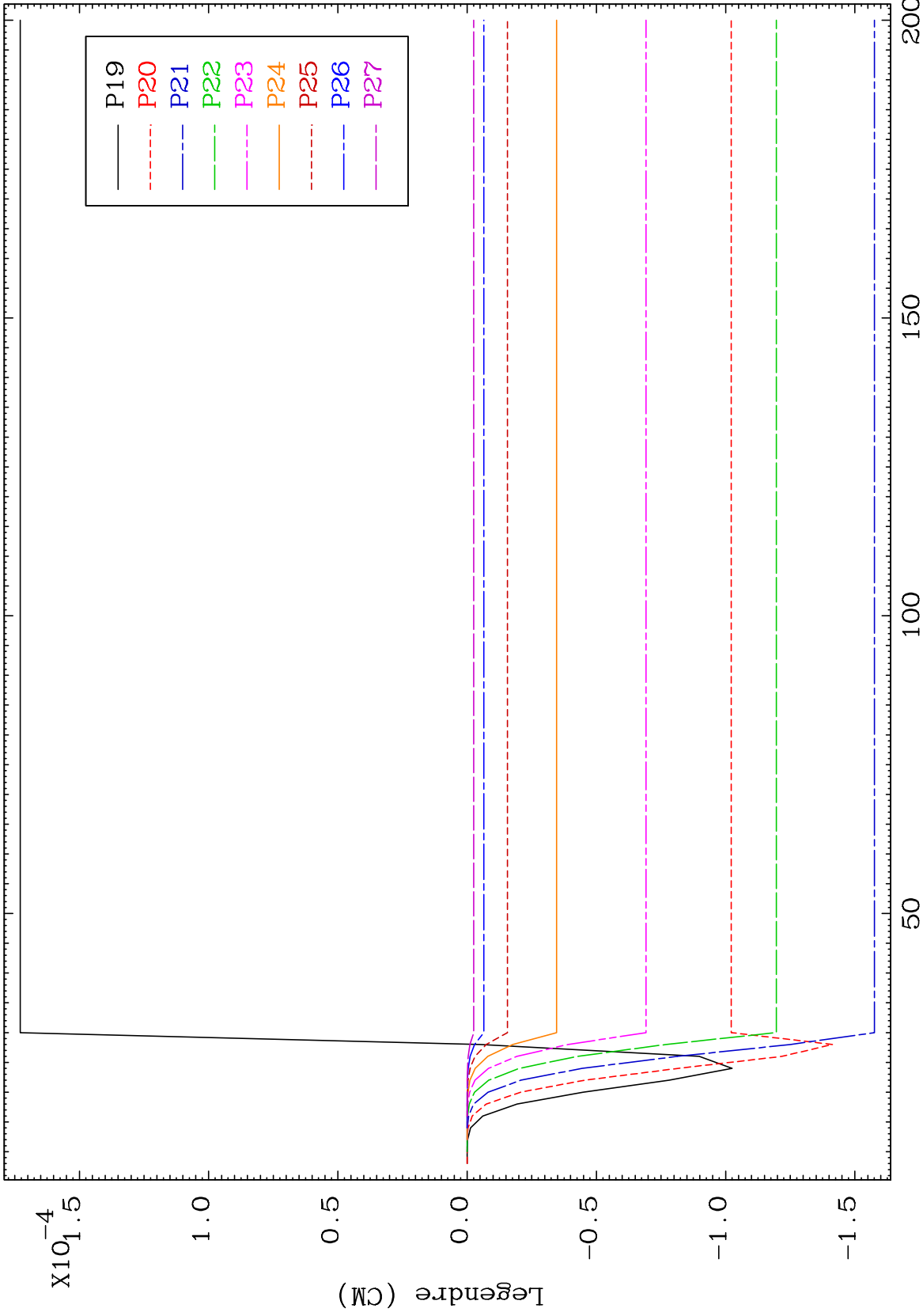
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

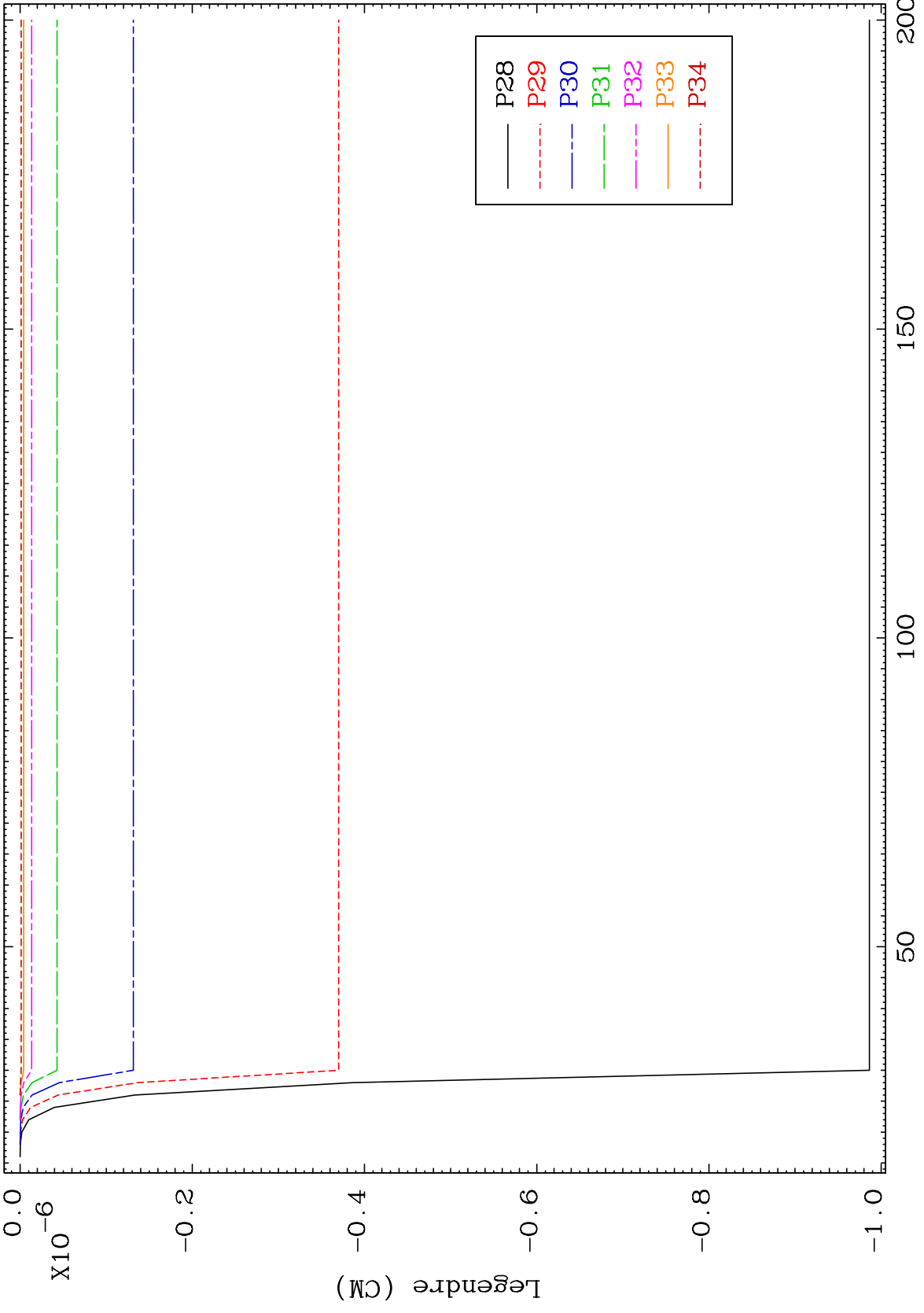
56-Ba-140



116

56-Ba-140

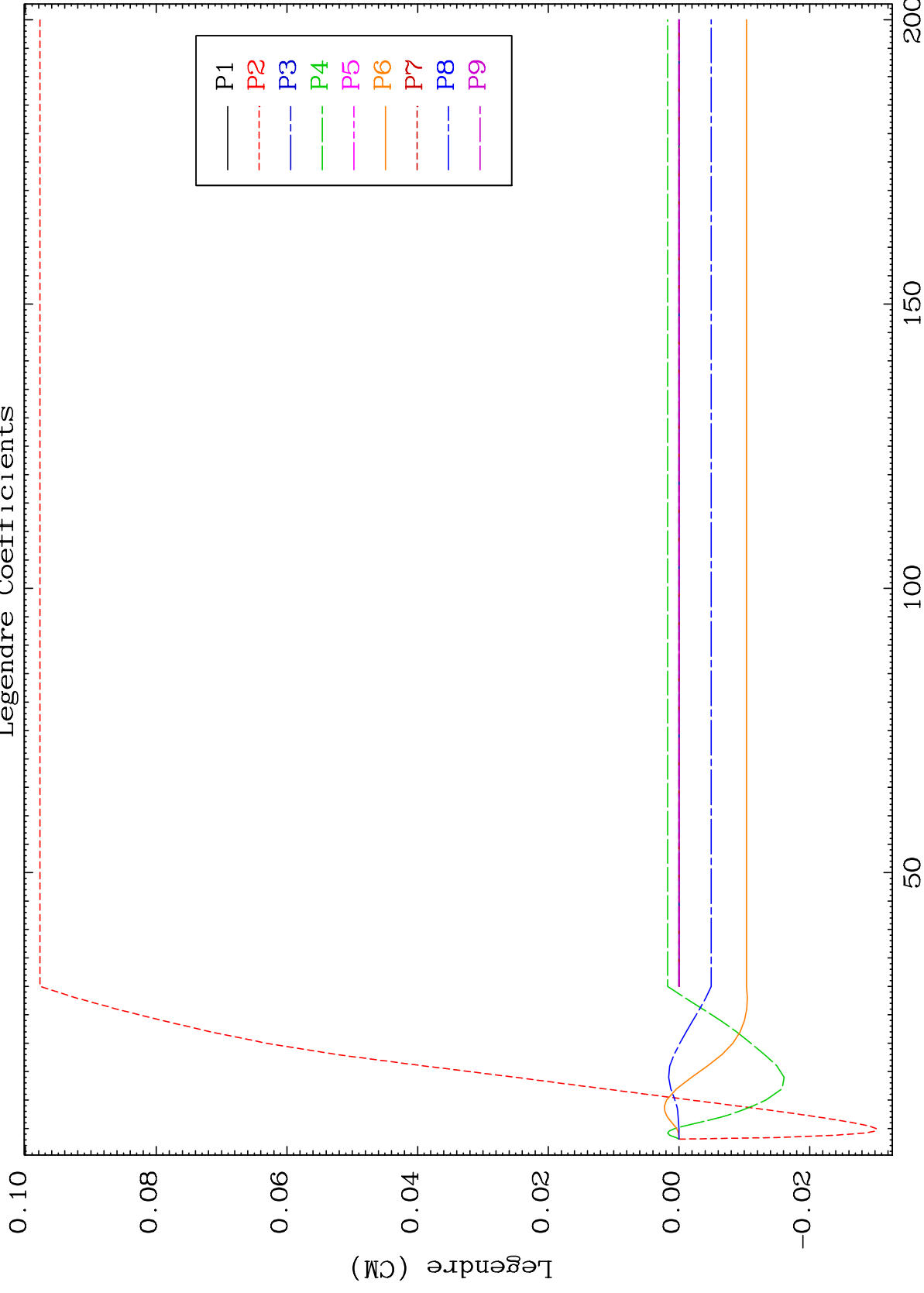
MAT 5655 MT= 77 (n,n') Level Legendre Coefficients 56-Ba-140



117 56-Ba-140

MAT 5655 MT= 78 (n,n') Level Legendre Coefficients

56-Ba-140

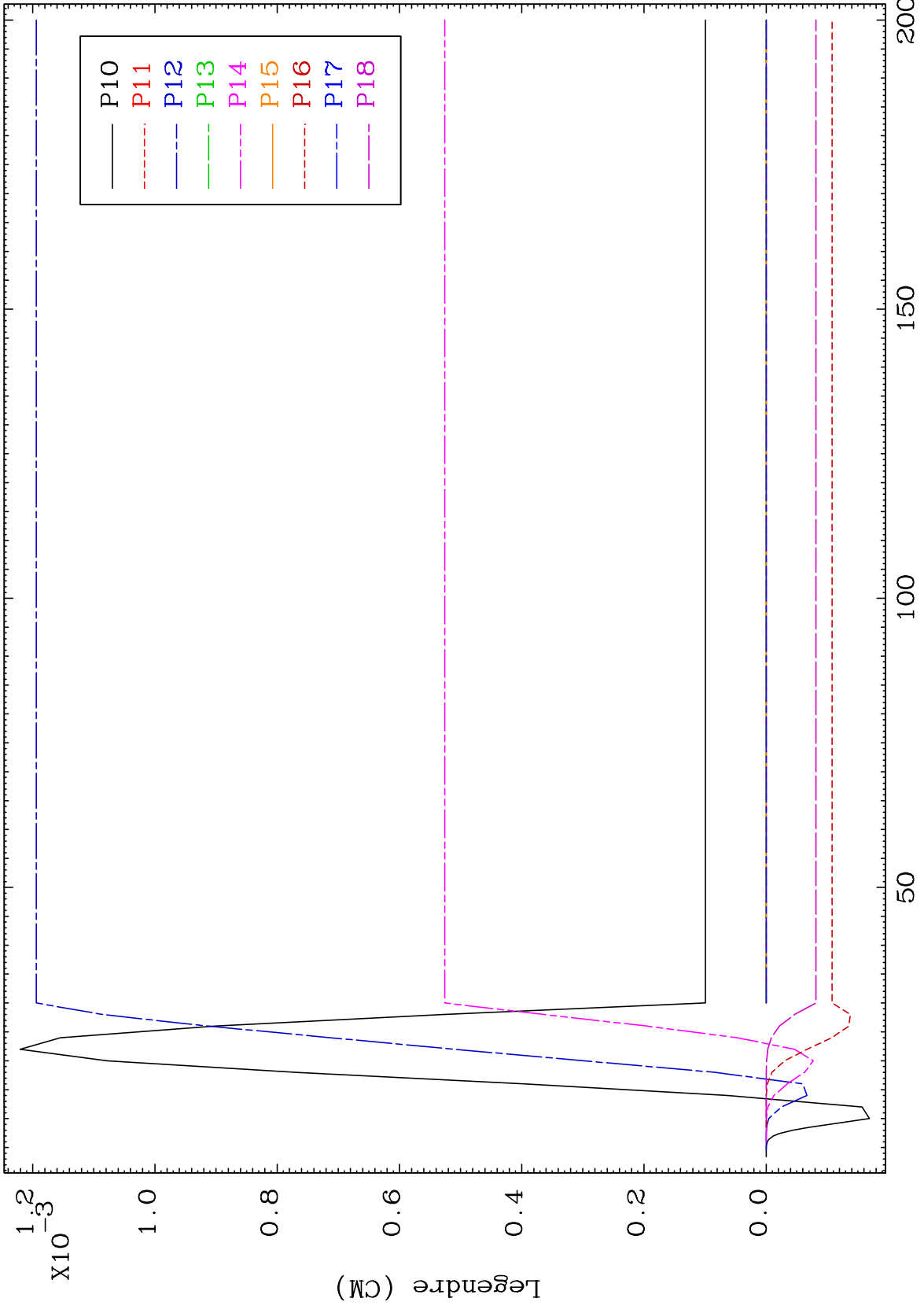


56-Ba-140

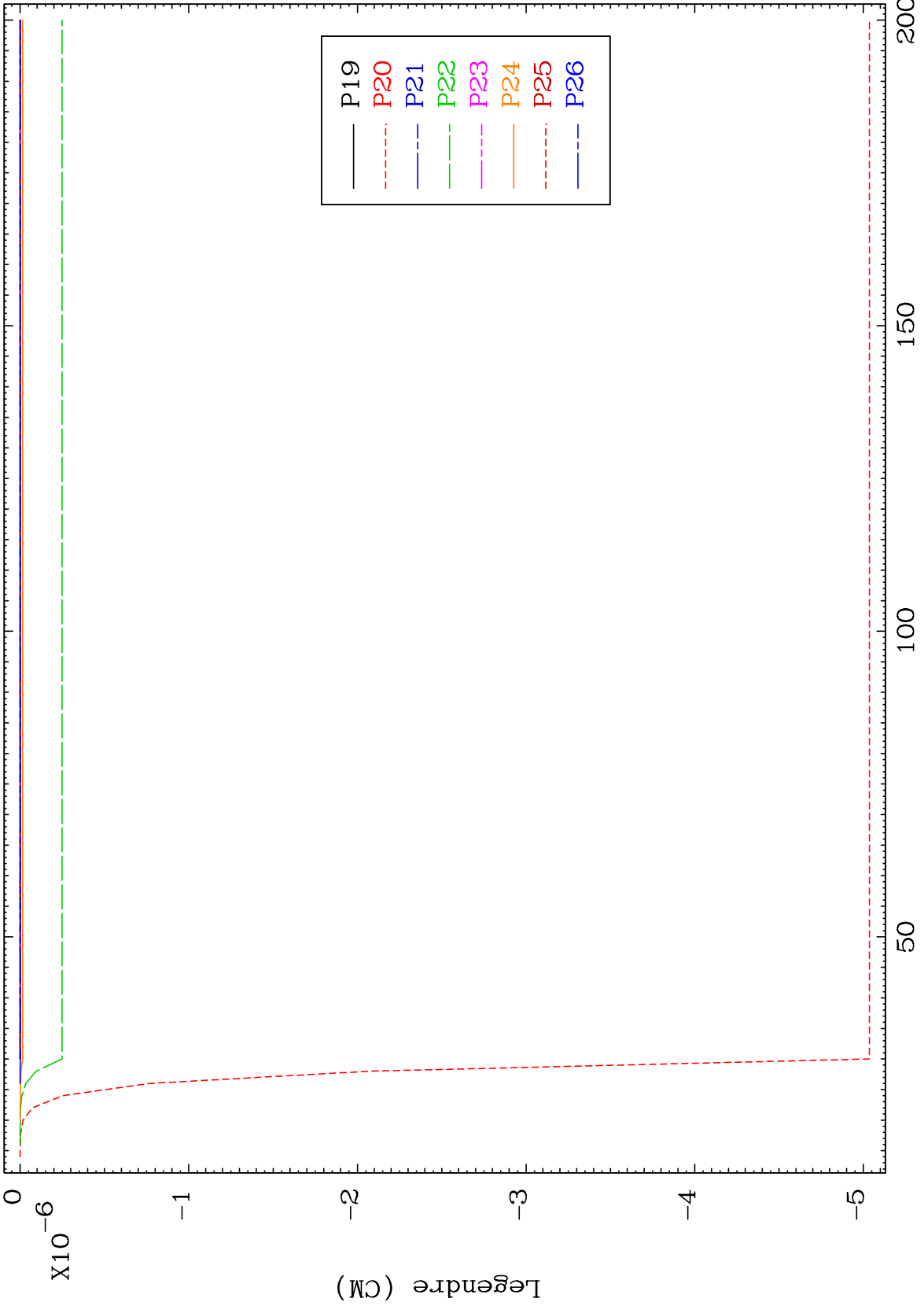
Incident Energy (MeV)

118

MAT 5655 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-140



MAT 5655 MT= 78 (n,n') Level Legendre Coefficients 56-Ba-140



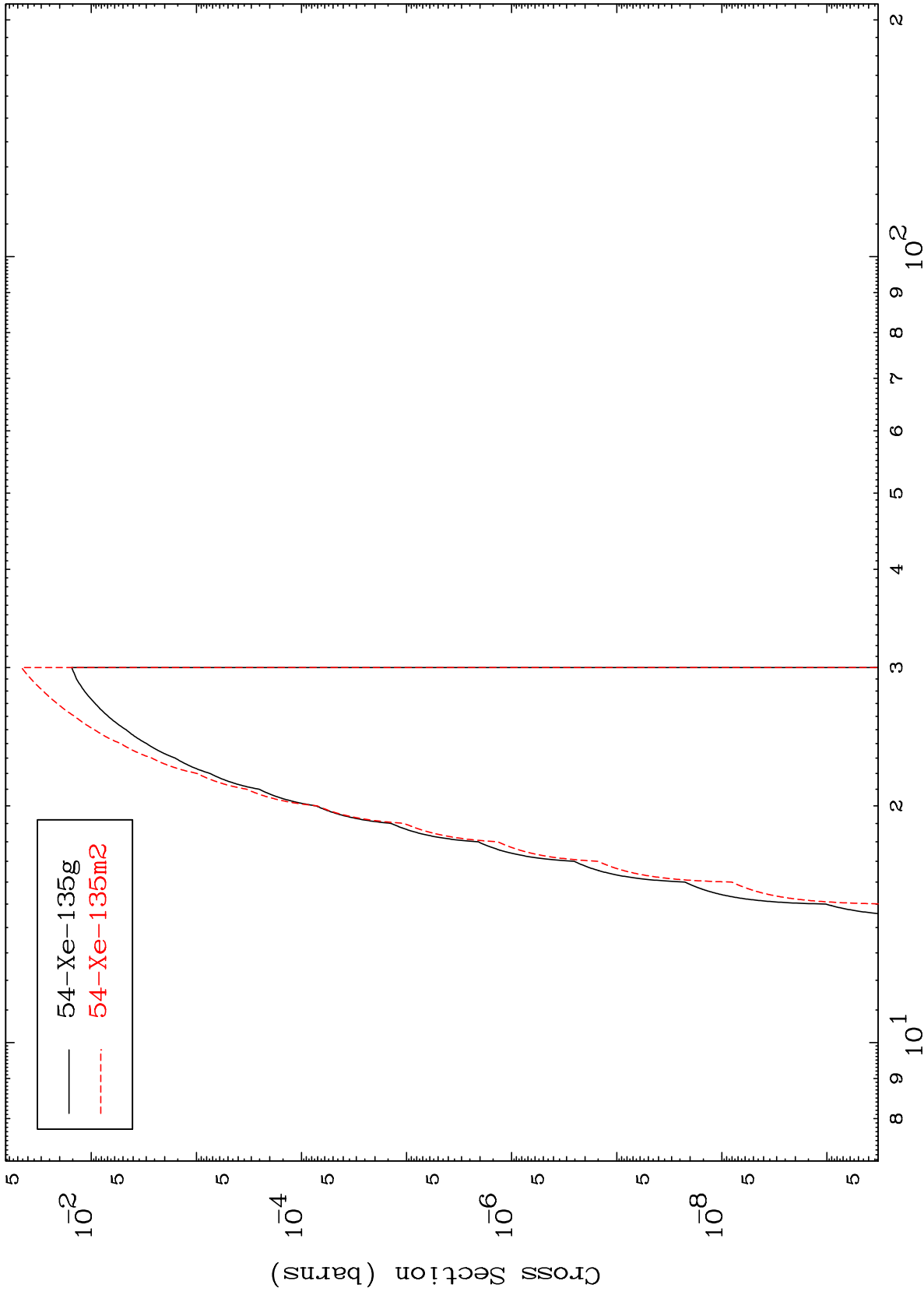
120 Incident Energy (MeV) 56-Ba-140

MAT 5655

(n,2n) α

56-Ba-140

Radionuclide Production Cross Section



121

Incident Energy (MeV)

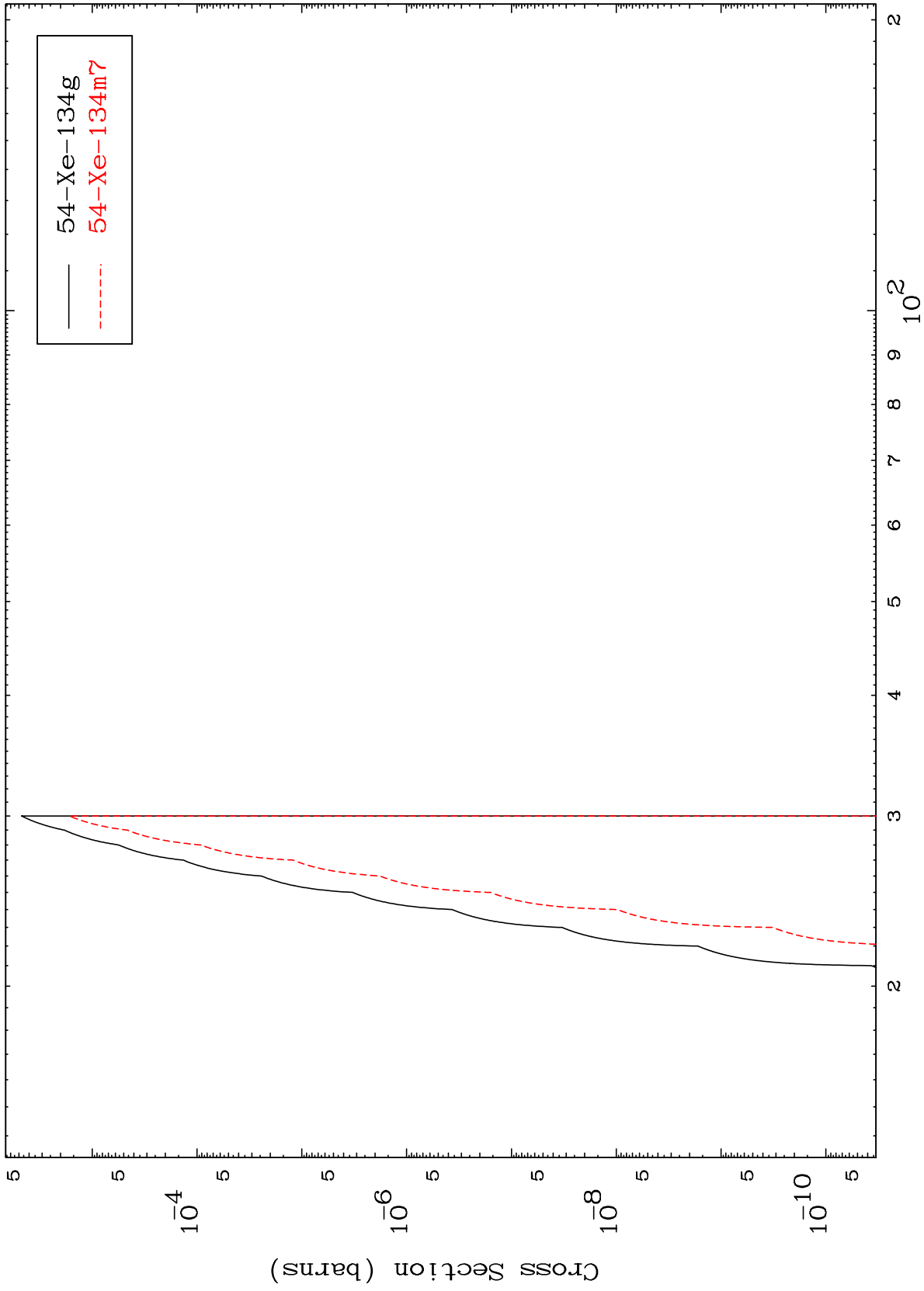
56-Ba-140

MAT 5655

(n,3n) α

56-Ba-140

Radionuclide Production Cross Section



122

Incident Energy (MeV)

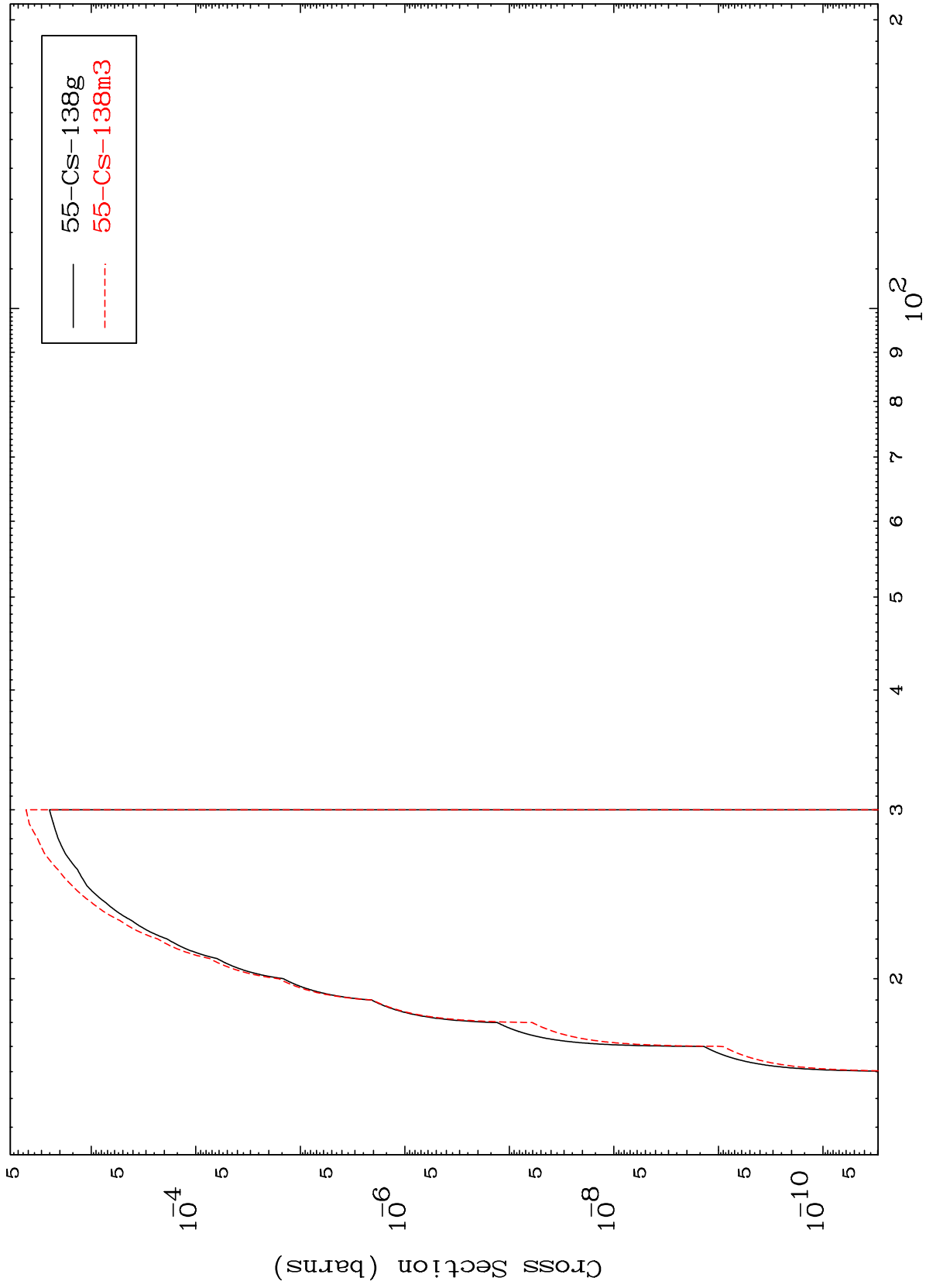
56-Ba-140

MAT 5655

(n,n') d

56-Ba-140

Radionuclide Production Cross Section



123

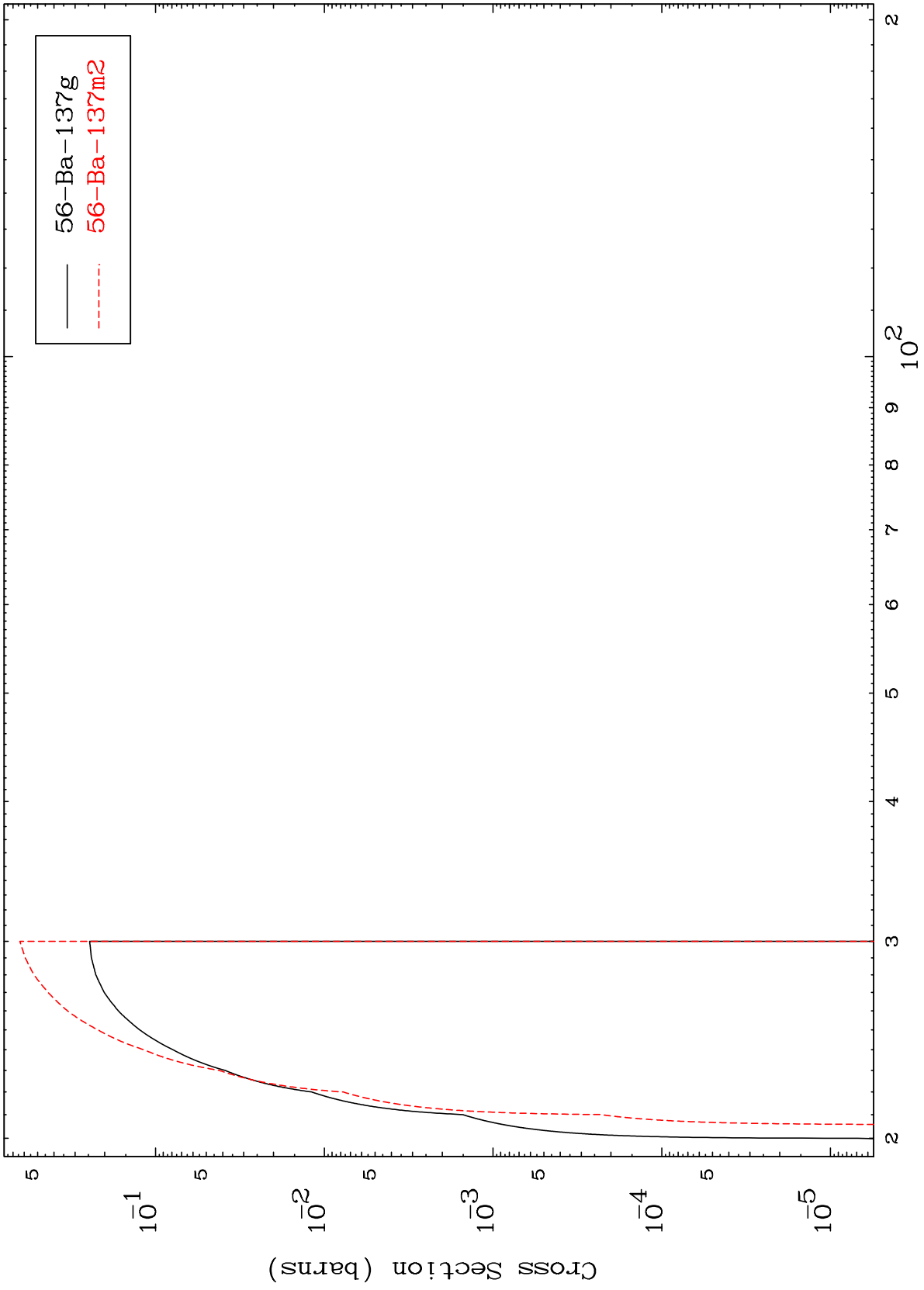
Incident Energy (MeV)

56-Ba-140

MAT 5655

56-Ba-140

(n,4n)
Radionuclide Production Cross Section



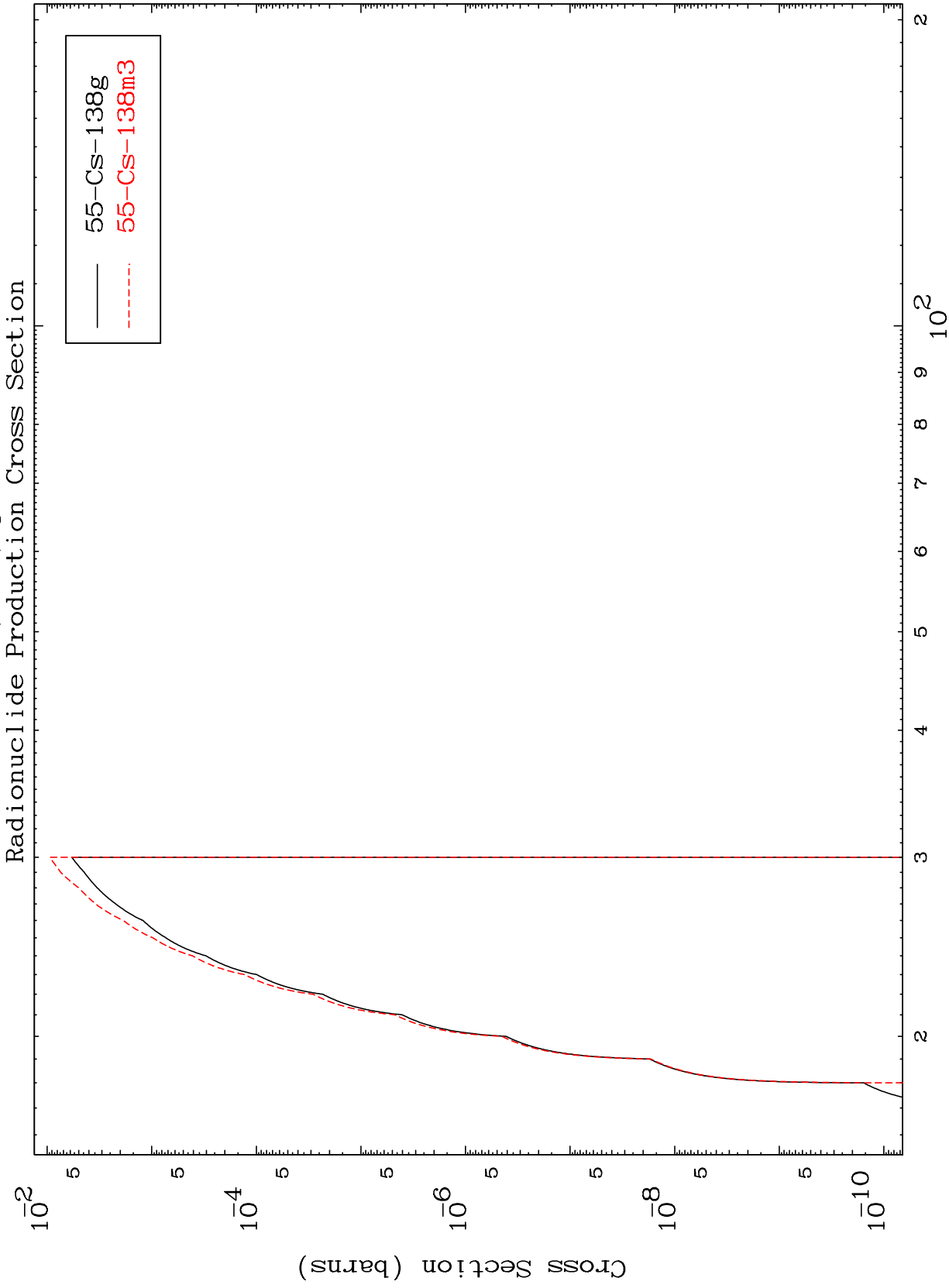
124

56-Ba-140

MAT 5655

(n,2n) p

56-Ba-140



125

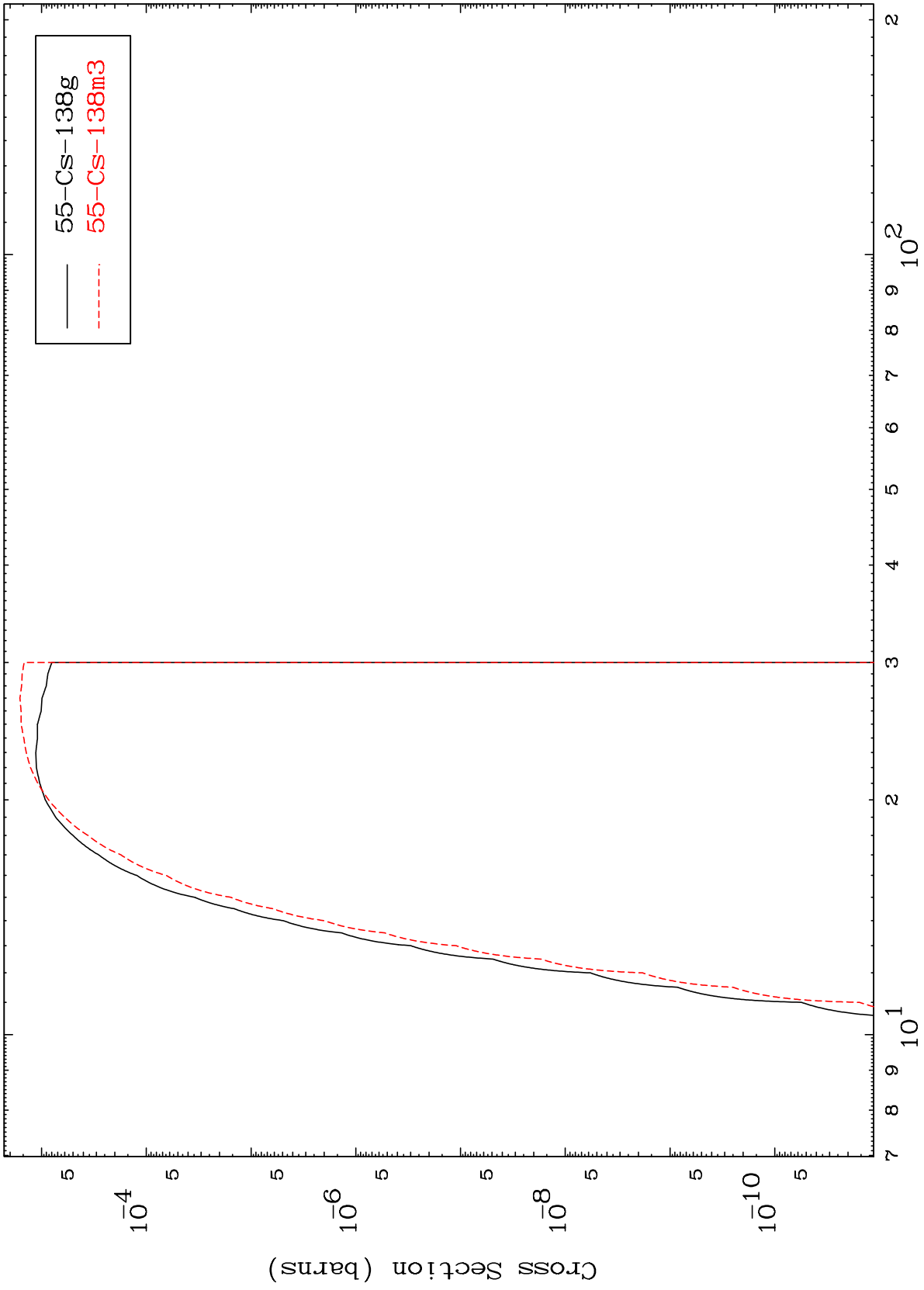
Incident Energy (MeV)

56-Ba-140

MAT 5655

56-Ba-140

(n, t)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

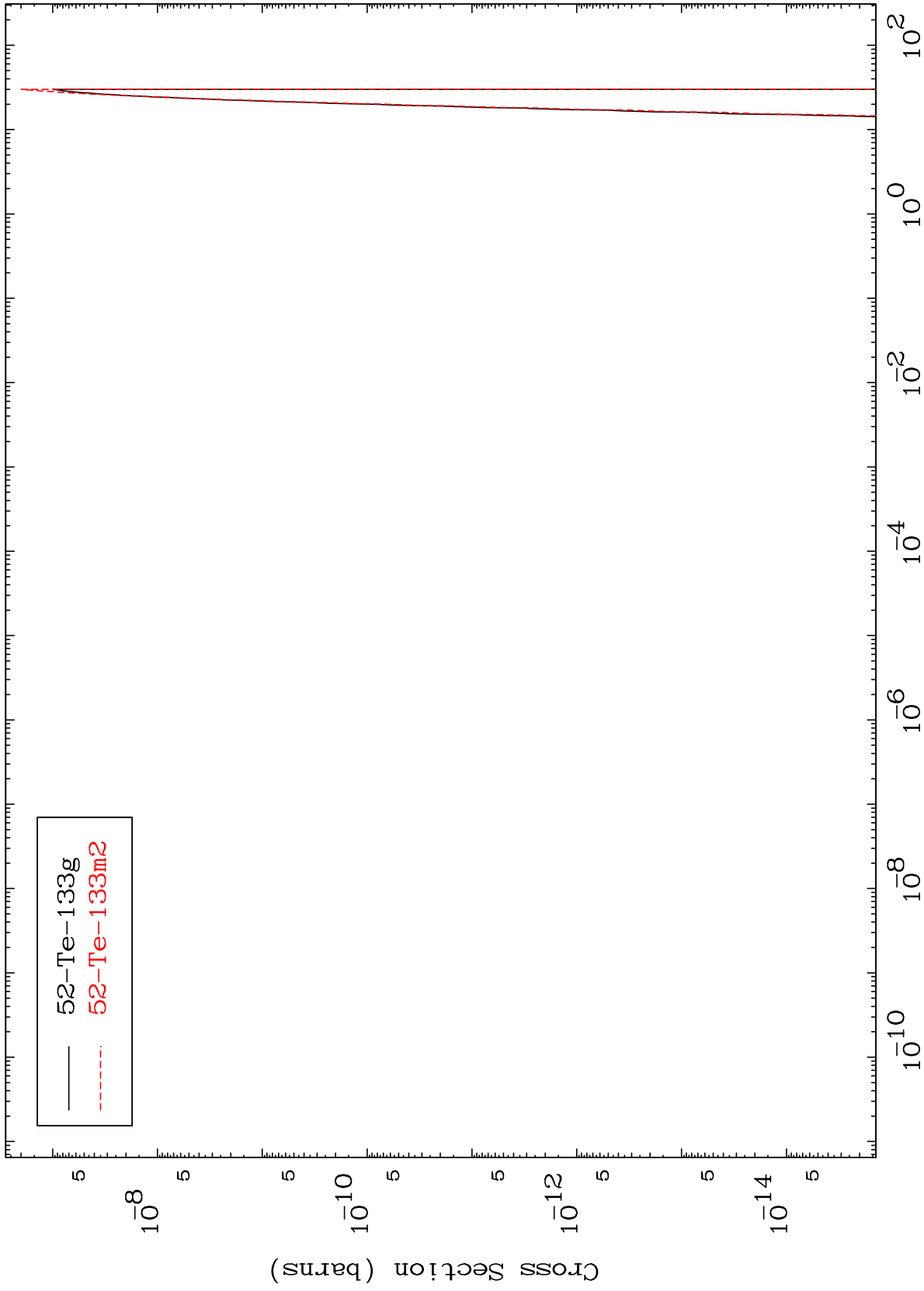
56-Ba-140

MAT 5655

(n,2α)

56-Ba-140

Radionuclide Production Cross Section



127

Incident Energy (MeV)

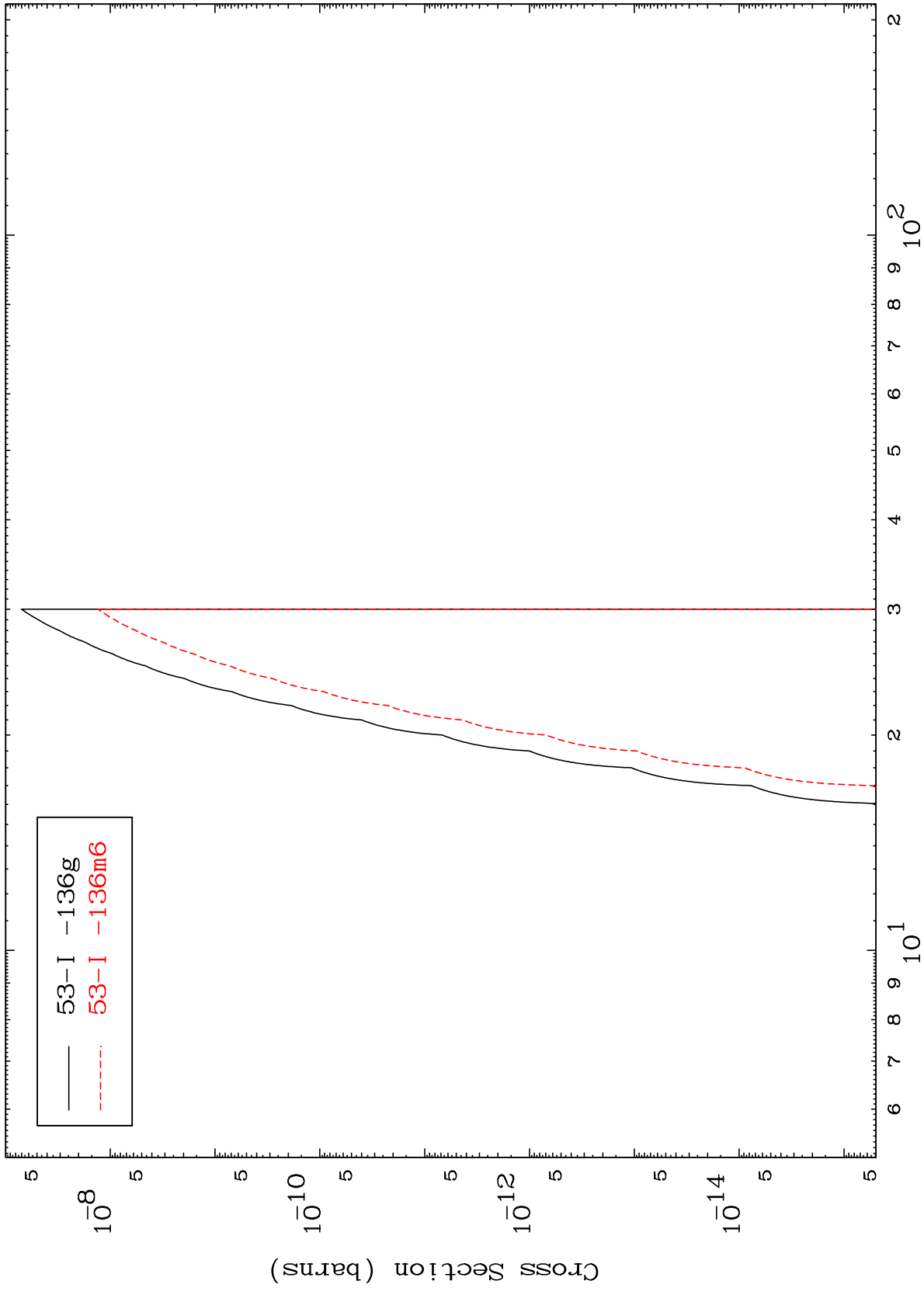
56-Ba-140

MAT 5655

(n,p) α

56-Ba-140

Radionuclide Production Cross Section



128

Incident Energy (MeV)

56-Ba-140