

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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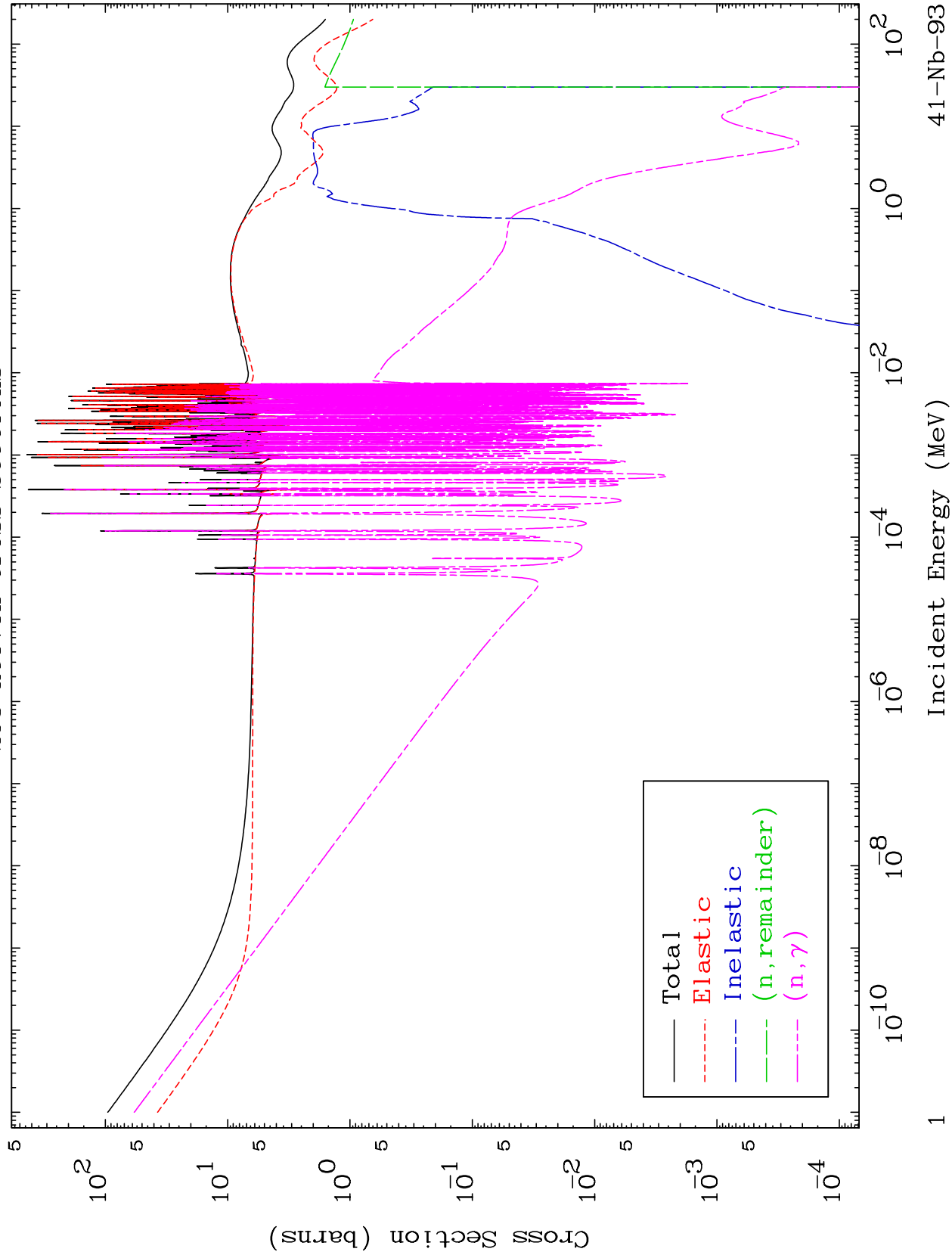
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4125

Major
293 Kelvin Cross Sections

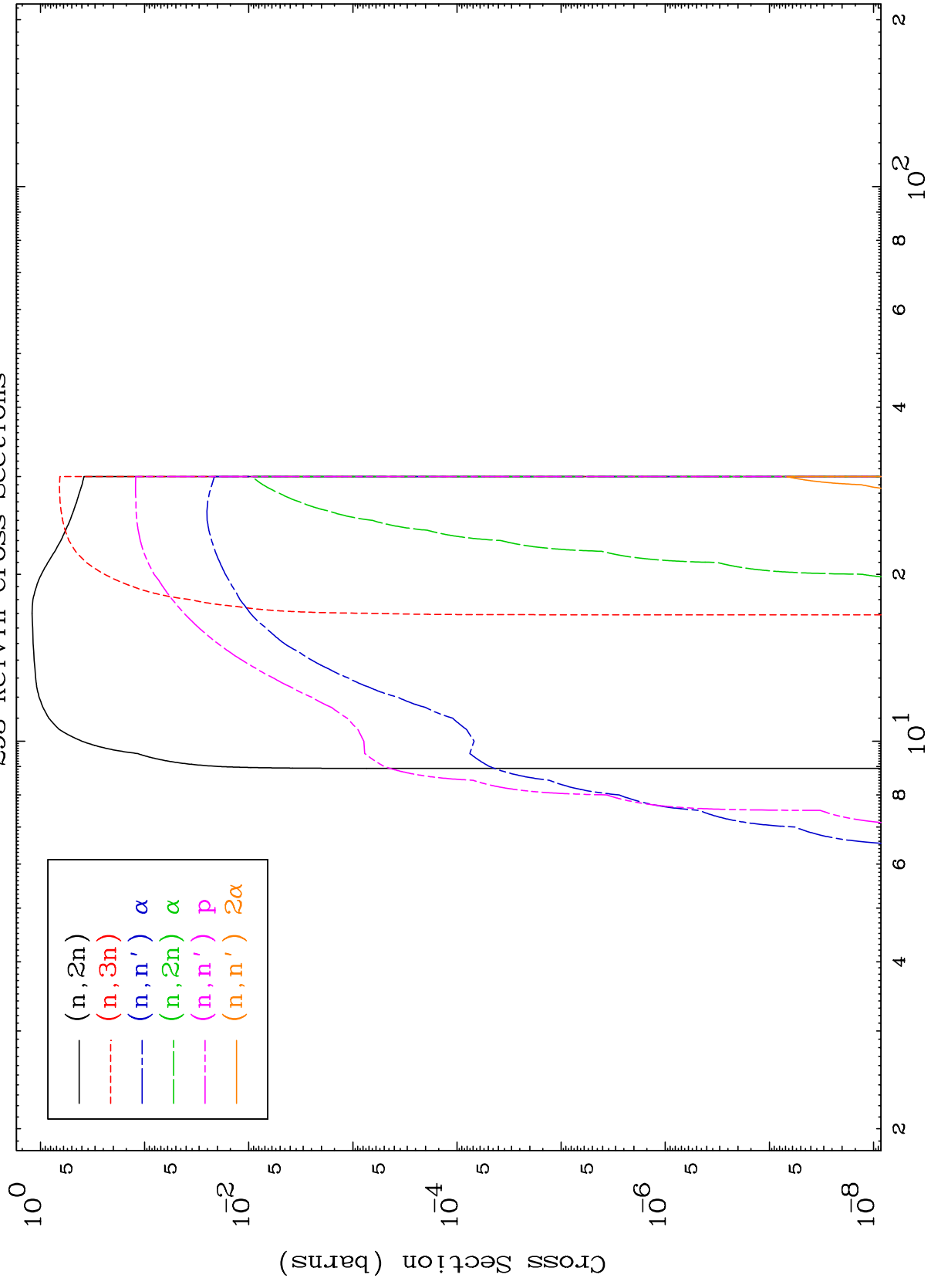
41-Nb-93



MAT 4125

Neutron Production
293 Kelvin Cross Sections

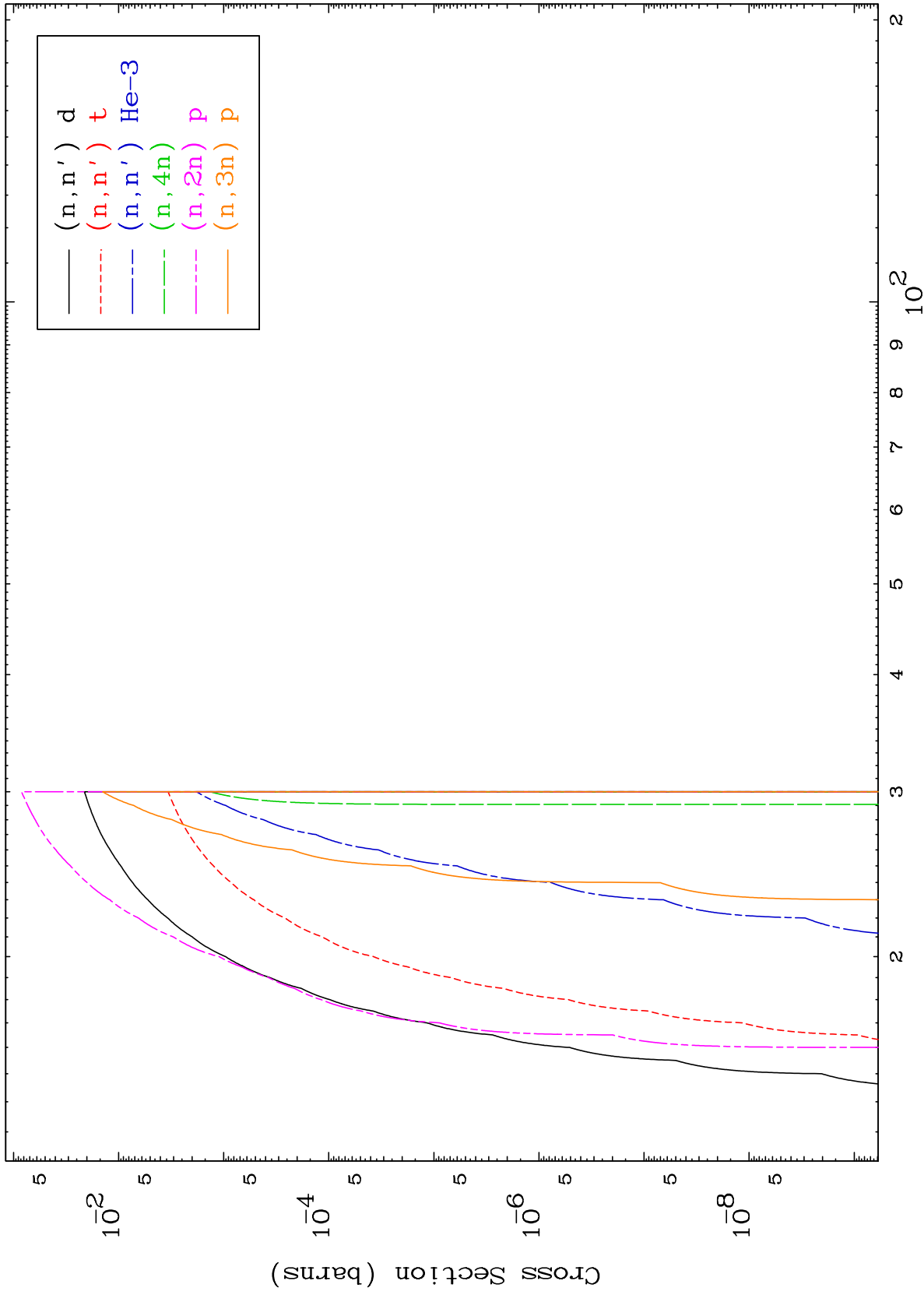
41-Nb-93

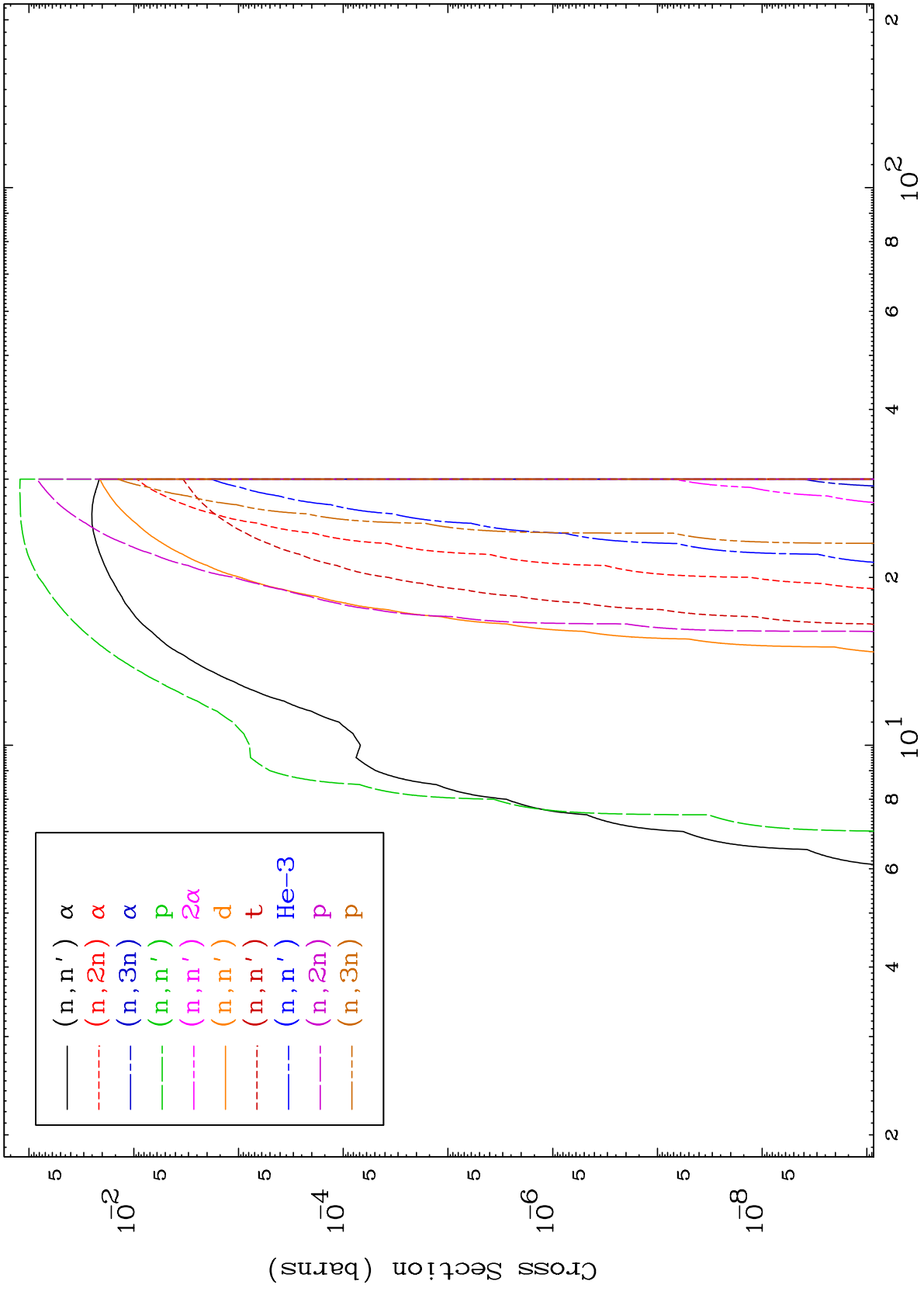


41-Nb-93

Incident Energy (MeV)

2

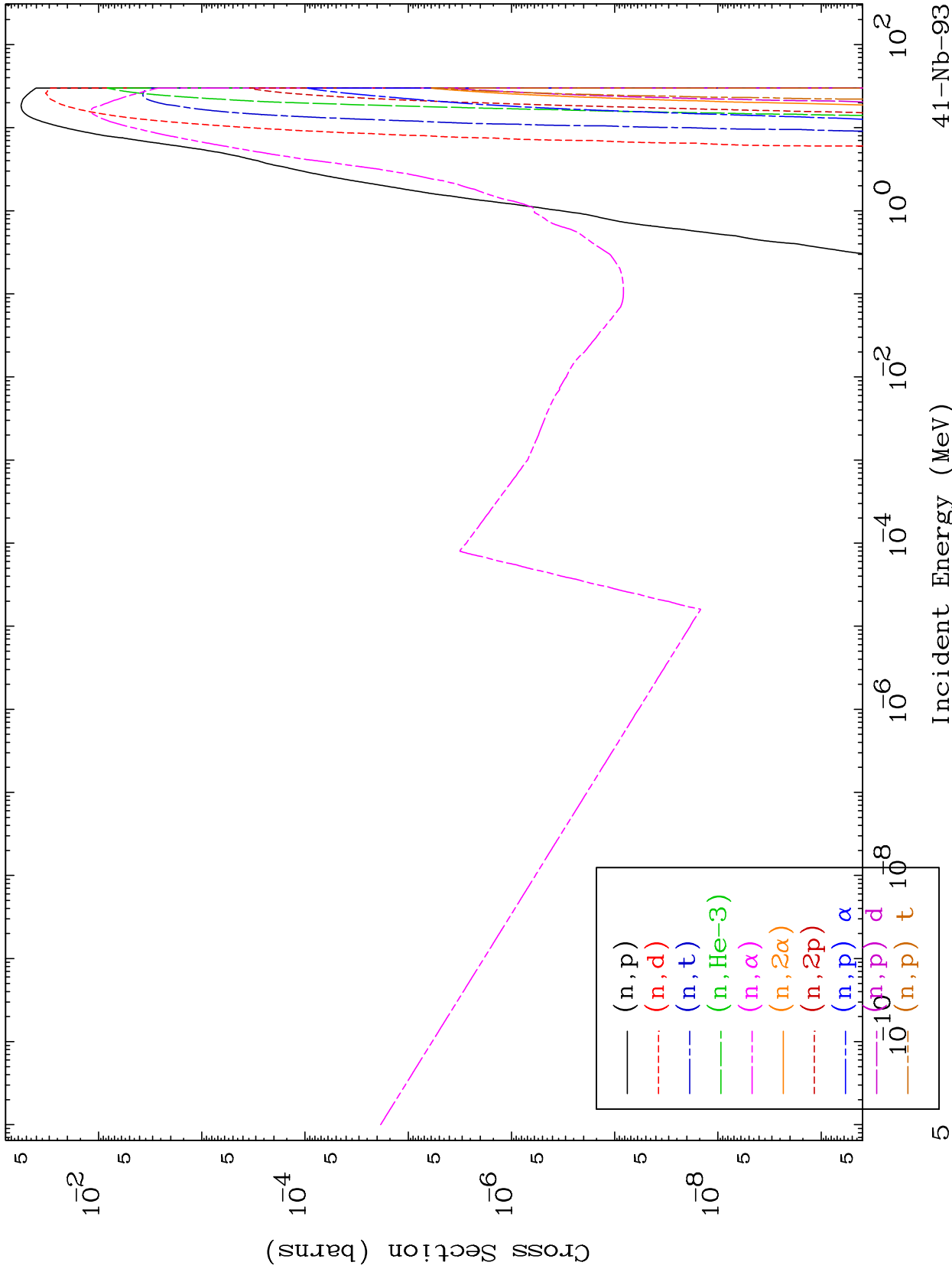




MAT 4125

Charged Particle
293 Kelvin Cross Sections

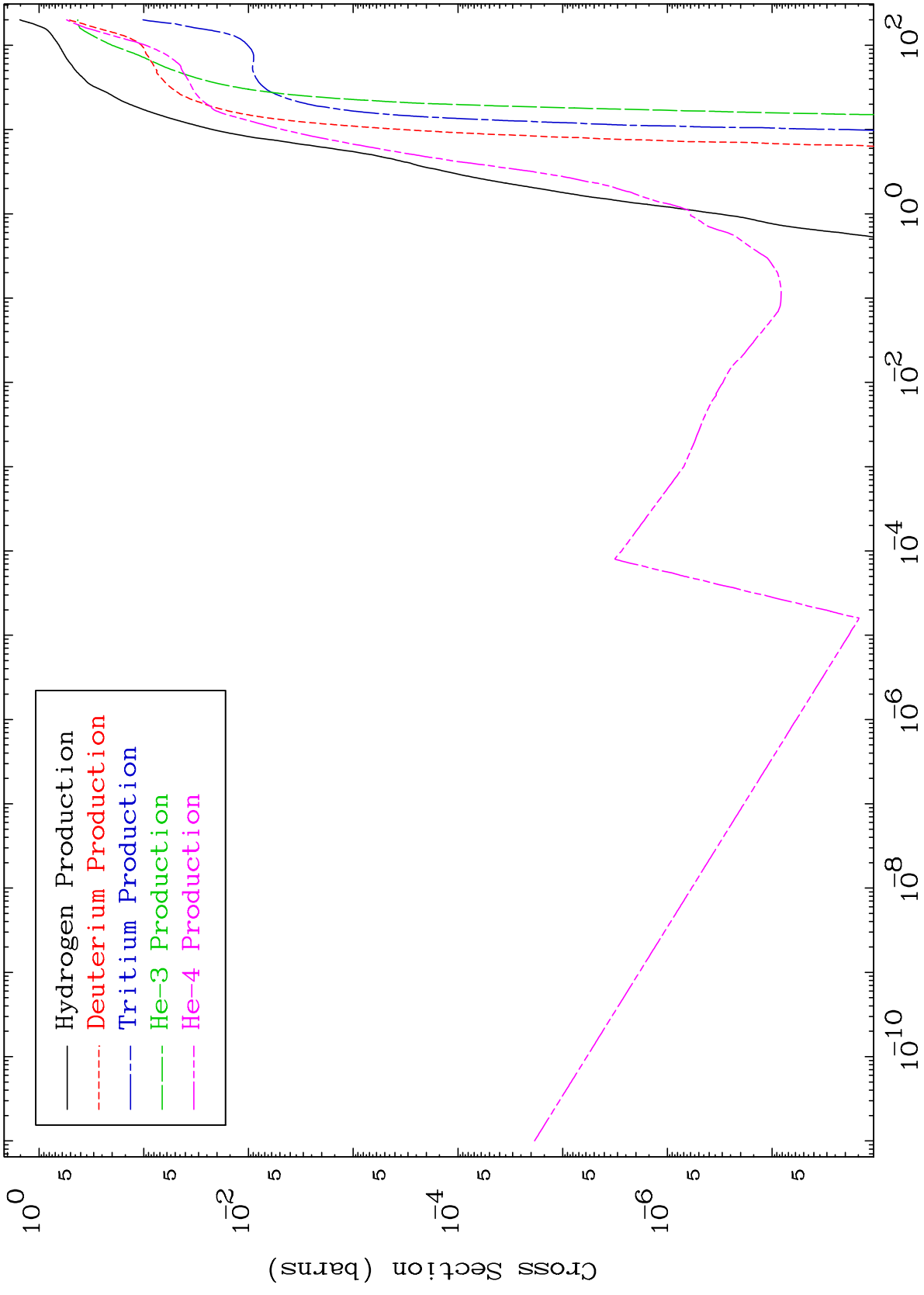
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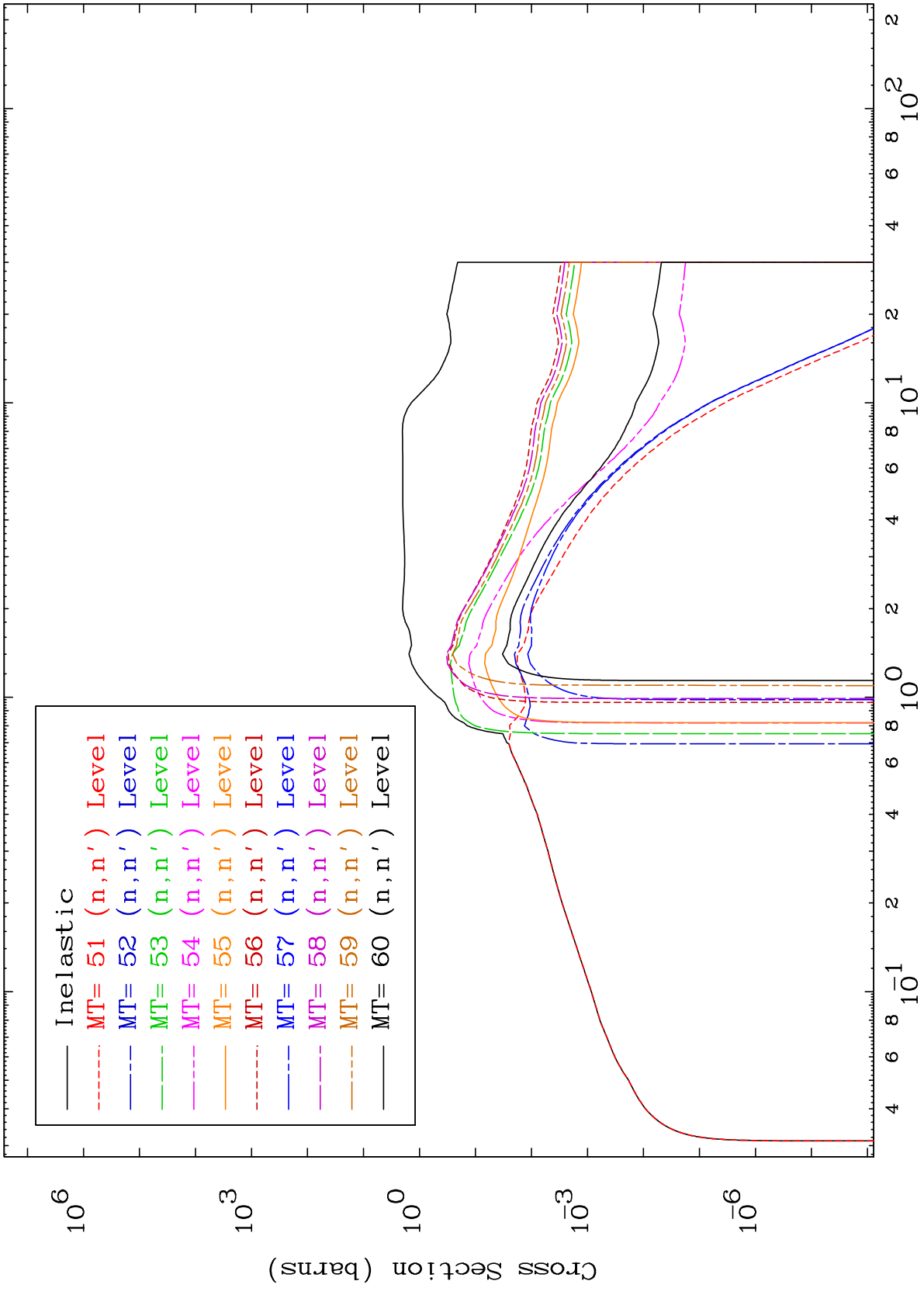
MAT 4125

Particle Production
293 Kelvin Cross Sections

41-Nb-93



41-Nb-93

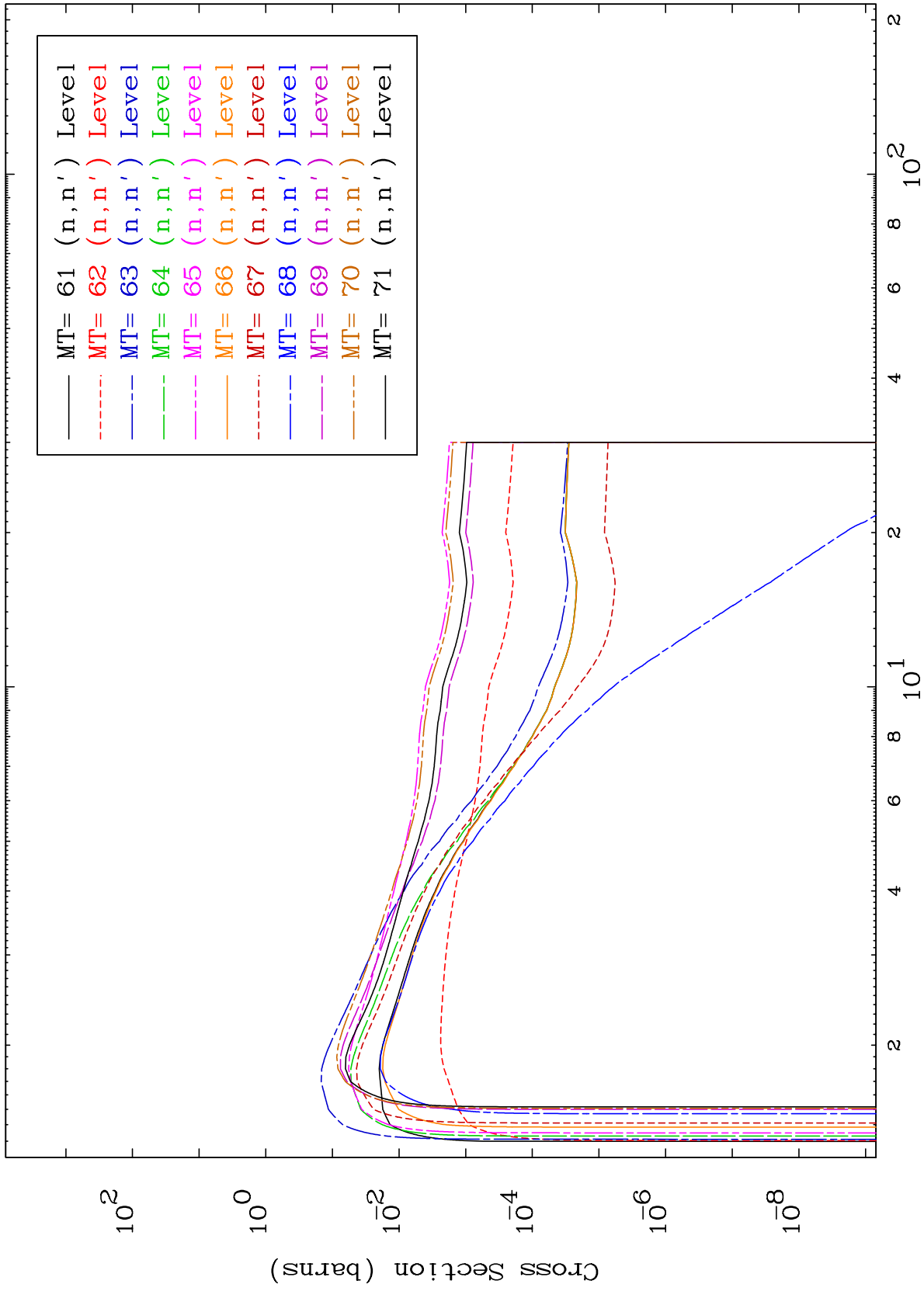


MAT 4125

(n,n') Level

41-Nb-93

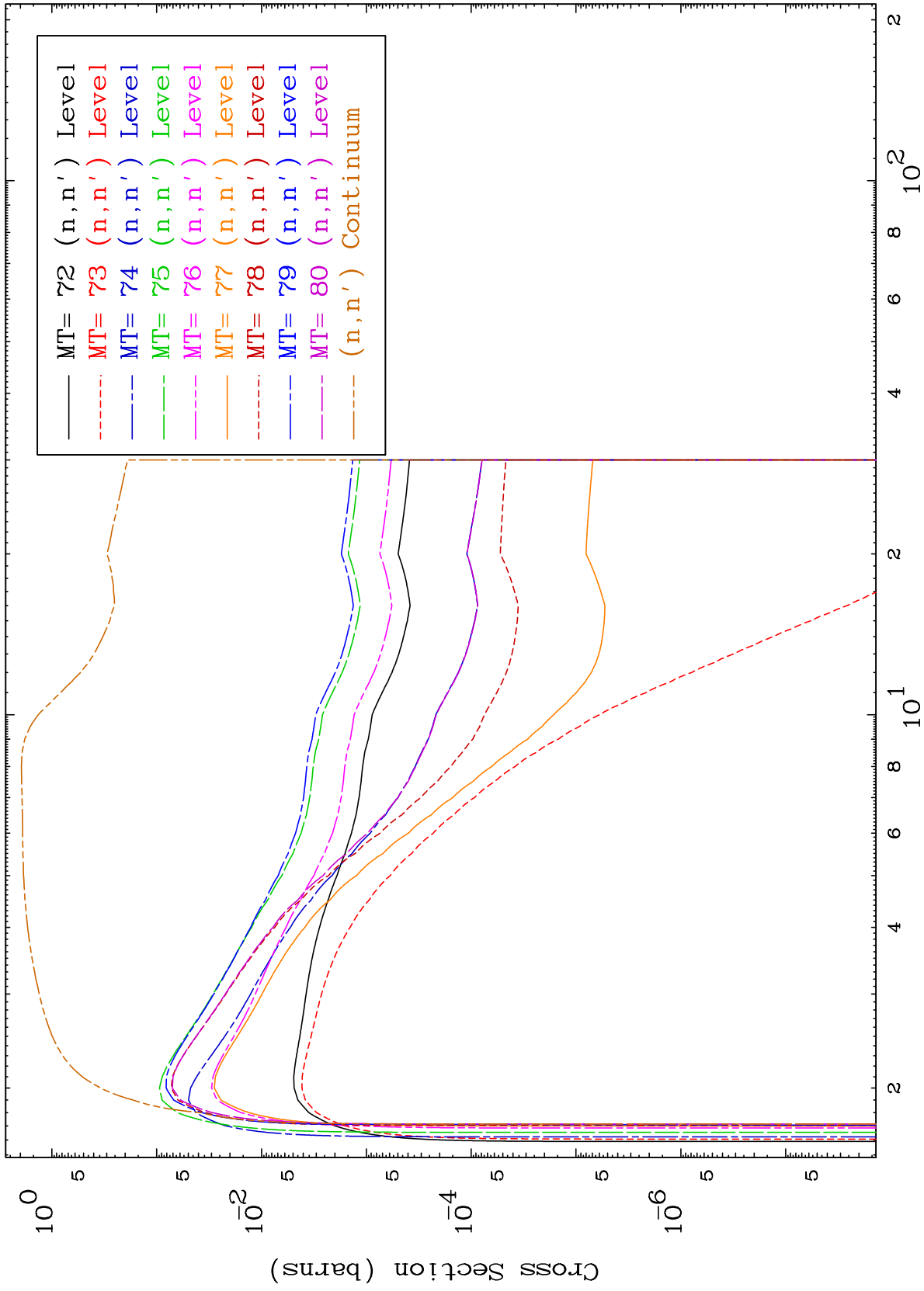
293 Kelvin Cross Sections



8

Incident Energy (MeV)

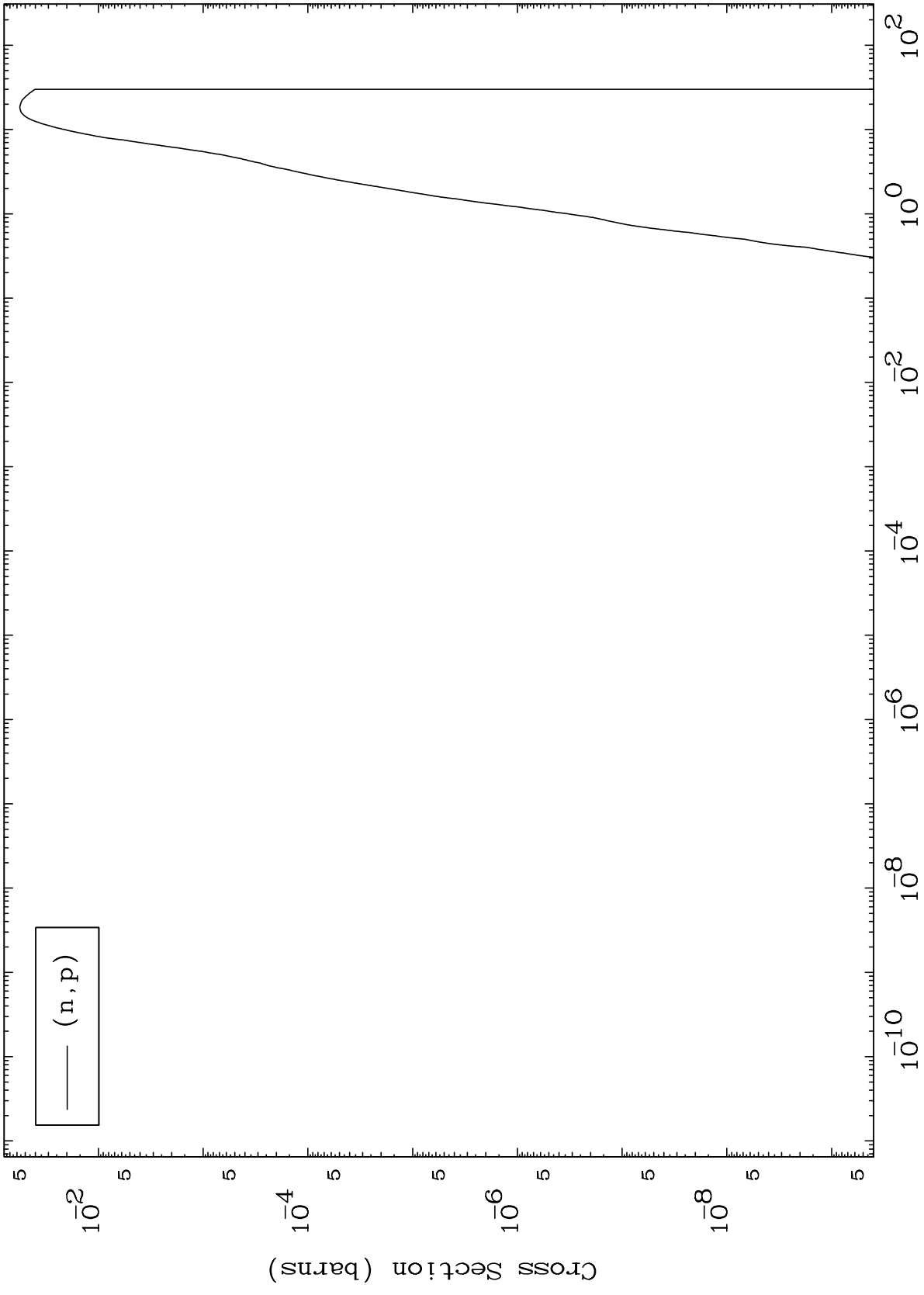
41-Nb-93



MAT 4125

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-93



(n,p)

10

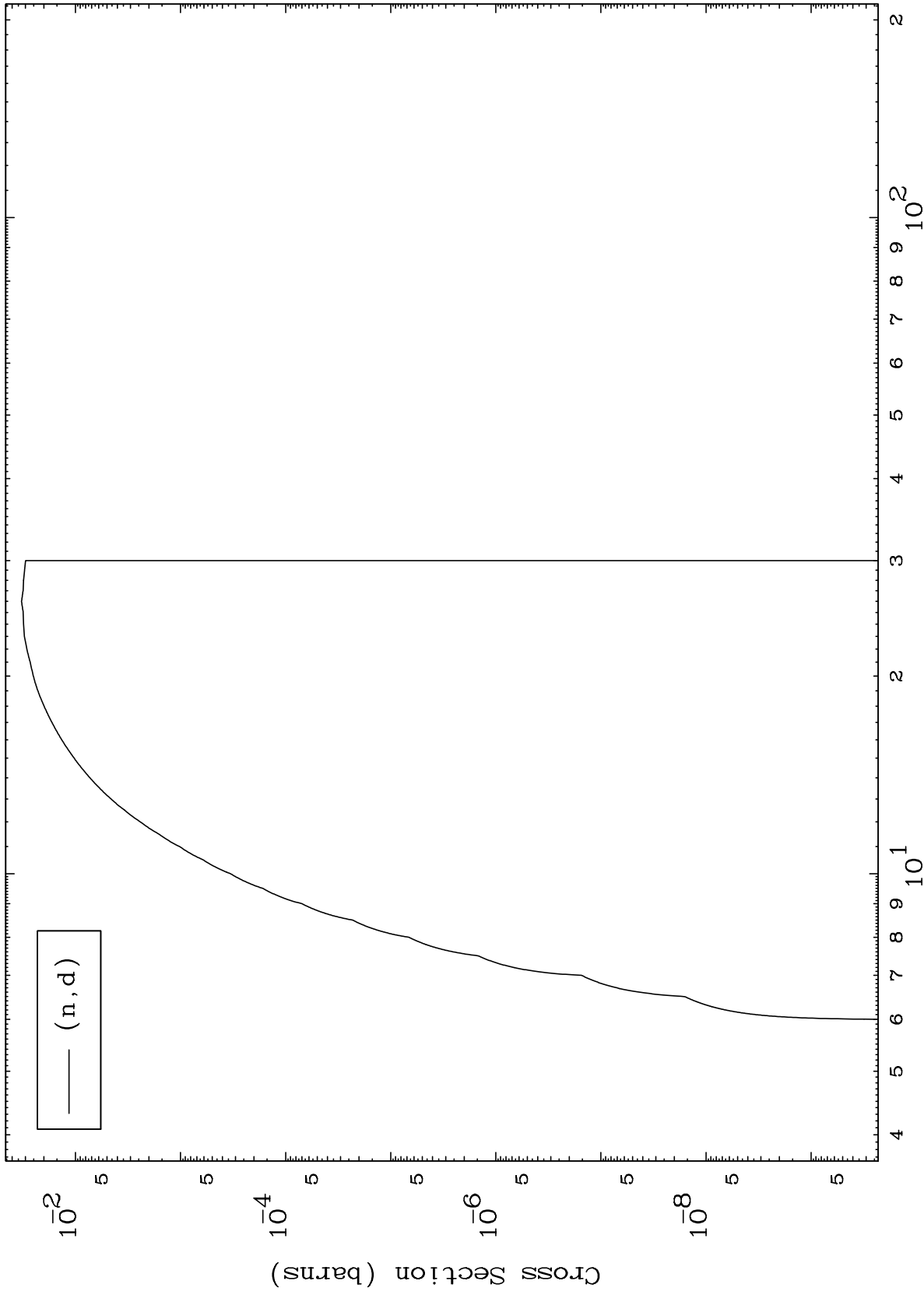
Incident Energy (MeV)

41-Nb-93

MAT 4125

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-93



11

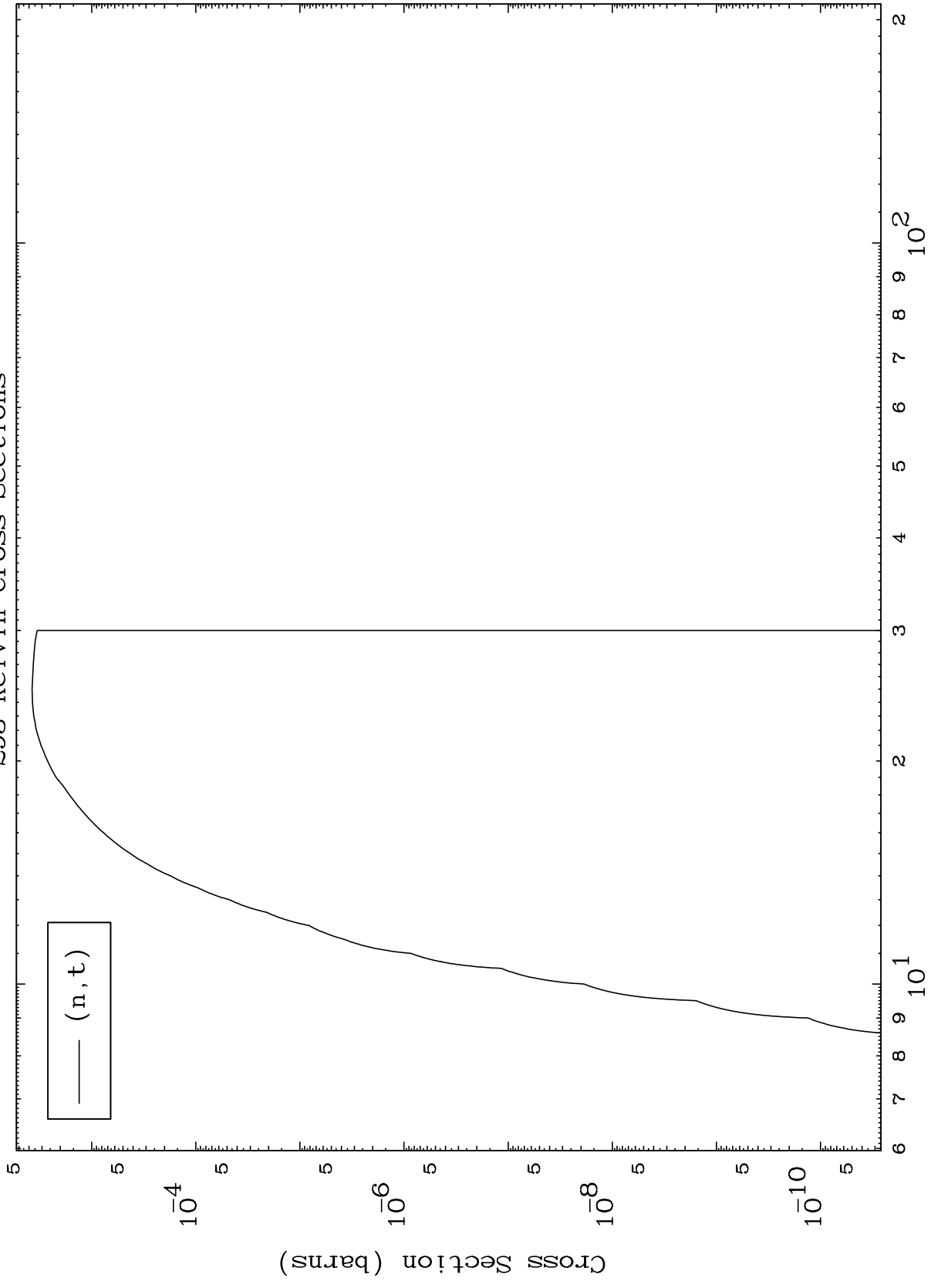
Incident Energy (MeV)

41-Nb-93

MAT 4125

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-93



12

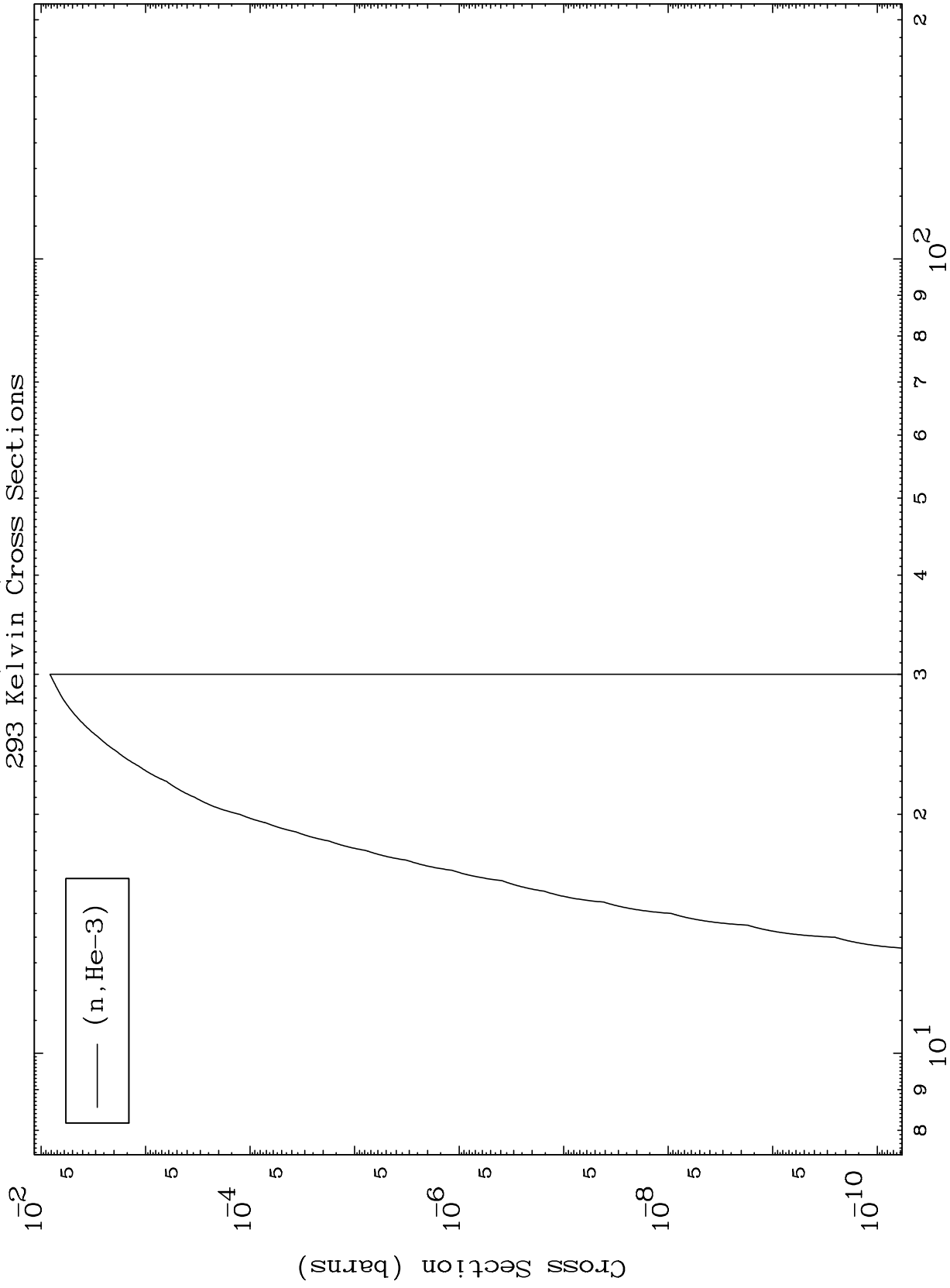
Incident Energy (MeV)

41-Nb-93

MAT 4125

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-93



13

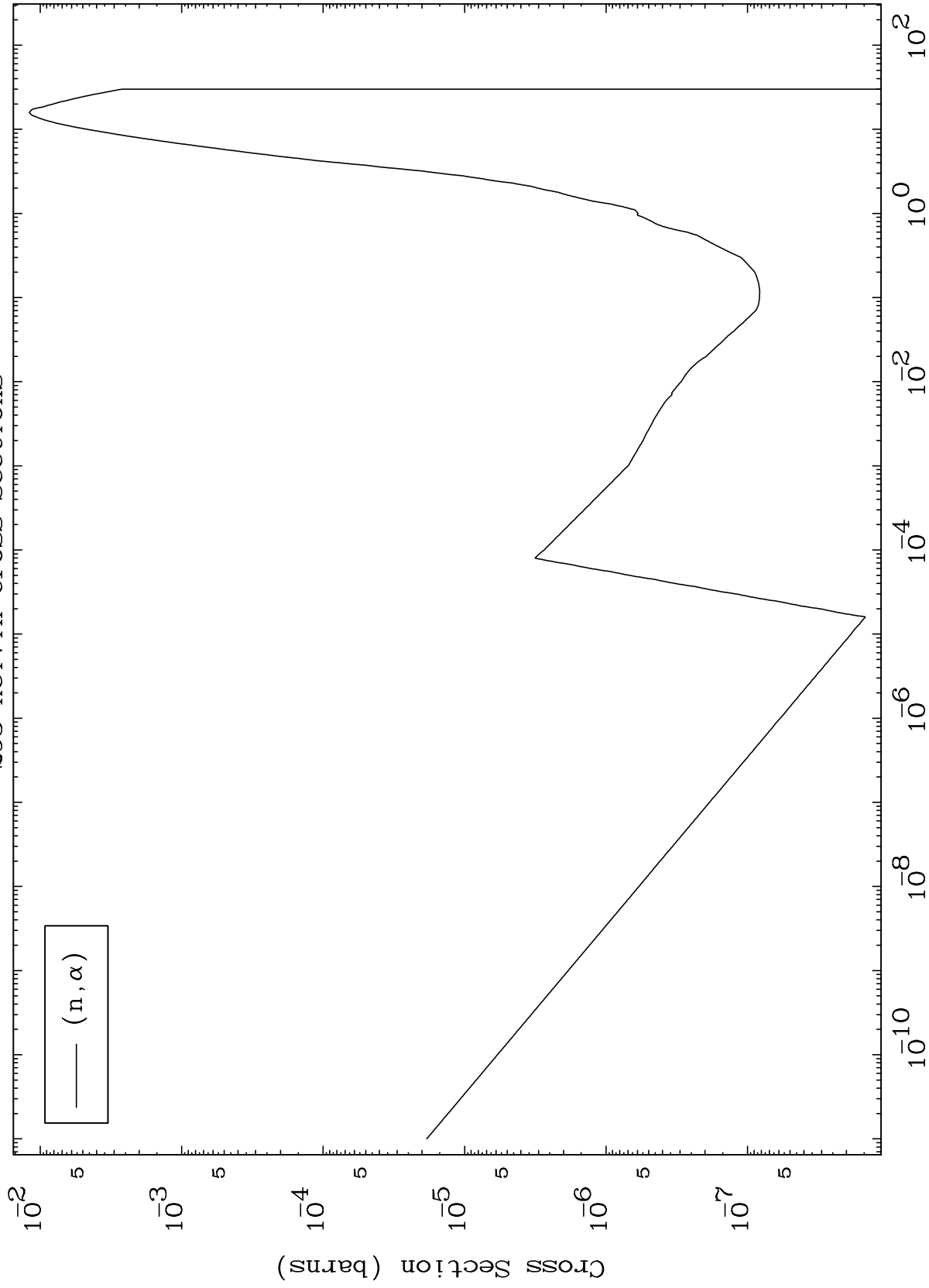
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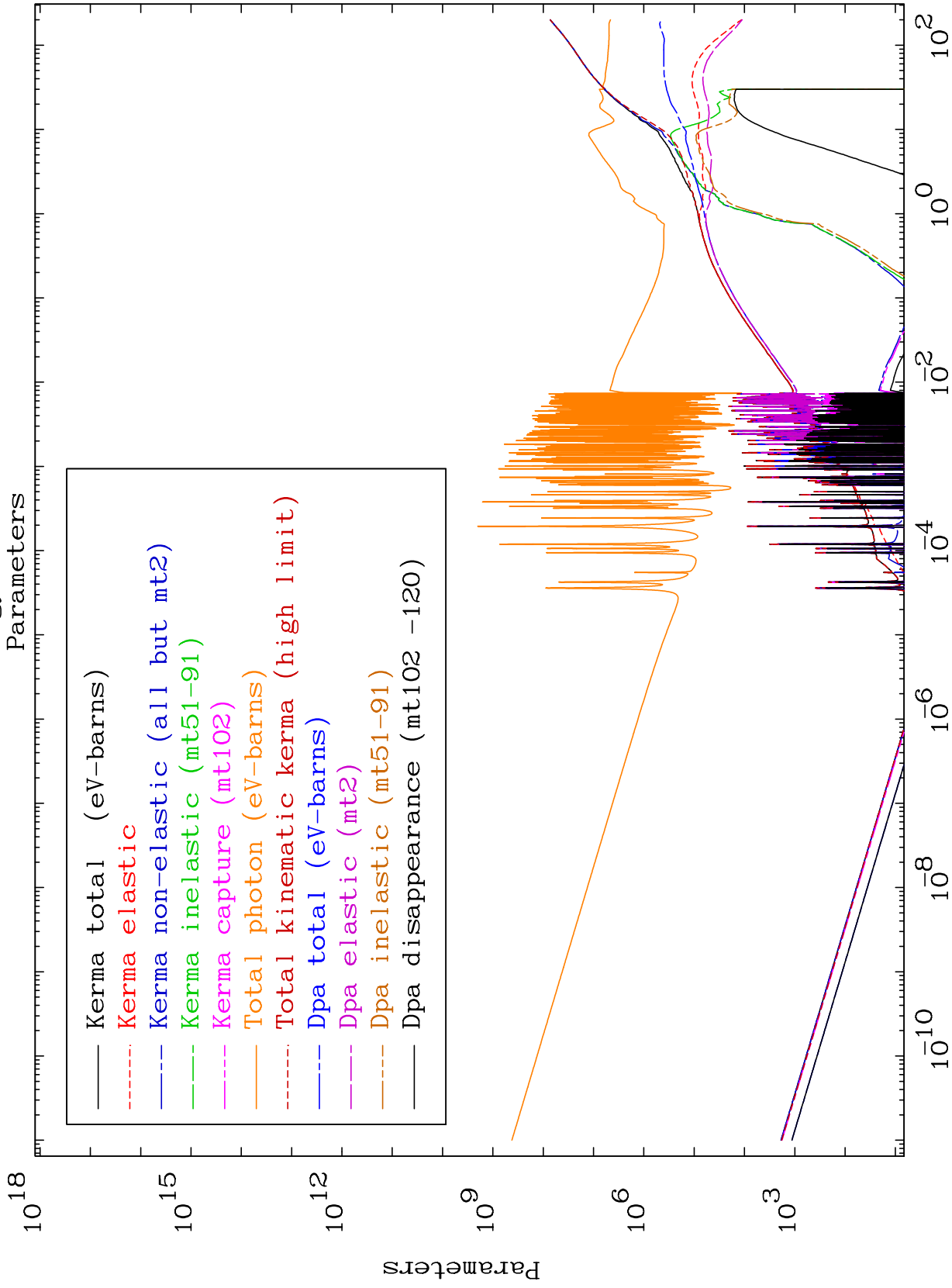
41-Nb-93

MAT 4125

(n,α) Levels
293 Kelvin Cross Sections

41-Nb-93

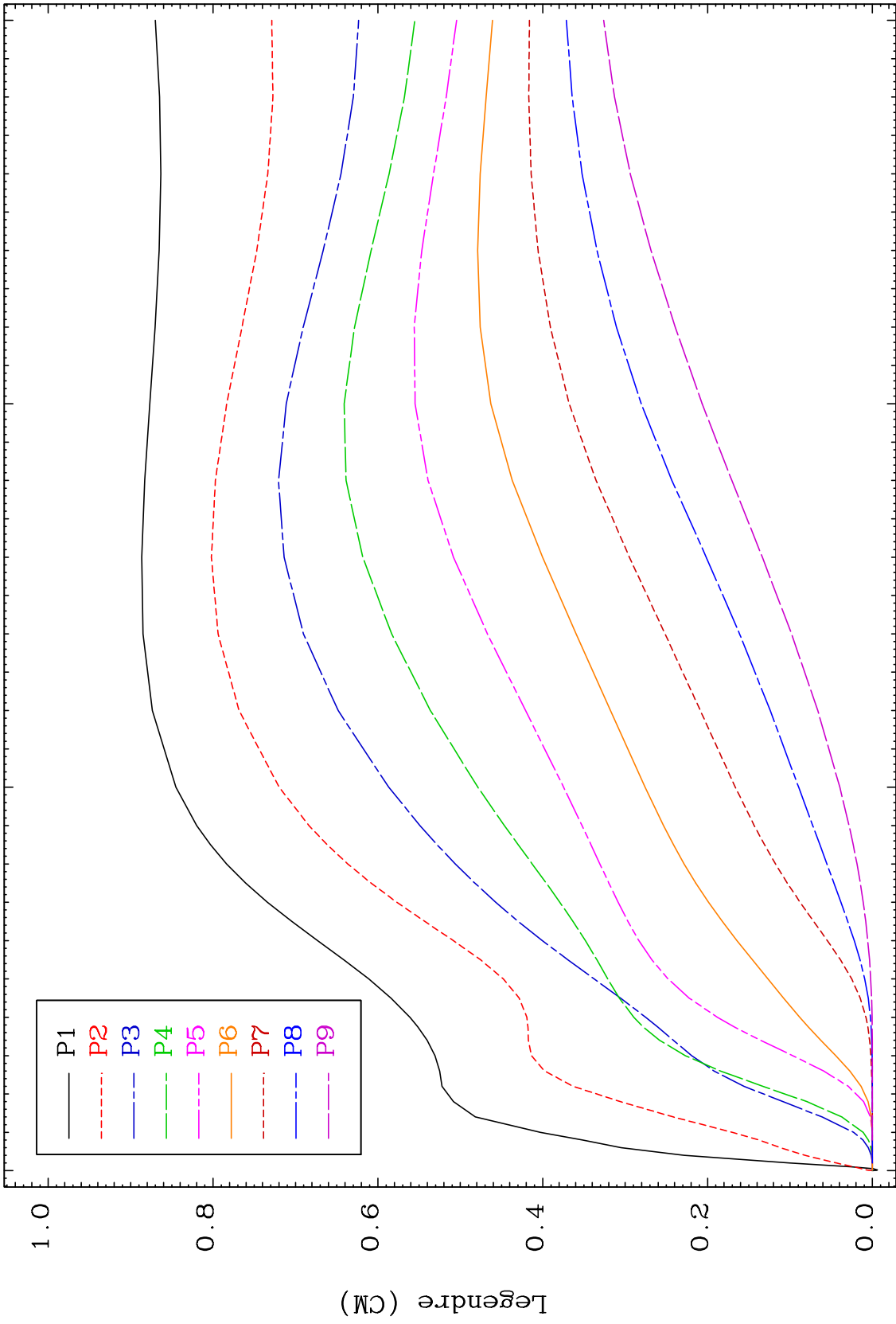




MAT 4125

Elastic Legendre Coefficients

41-Nb-93



16

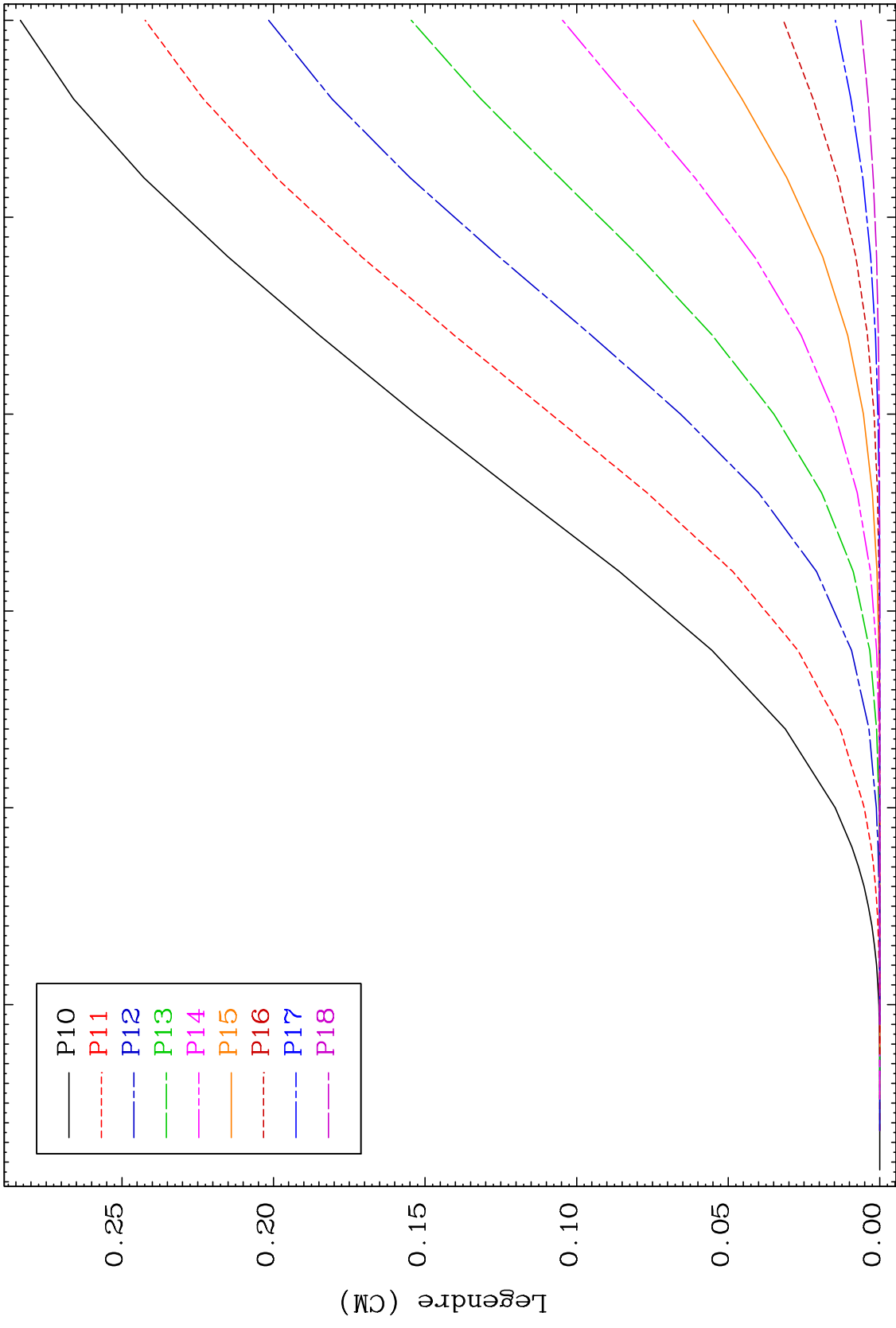
Incident Energy (MeV)

41-Nb-93

MAT 4125

Elastic Legendre Coefficients

41-Nb-93



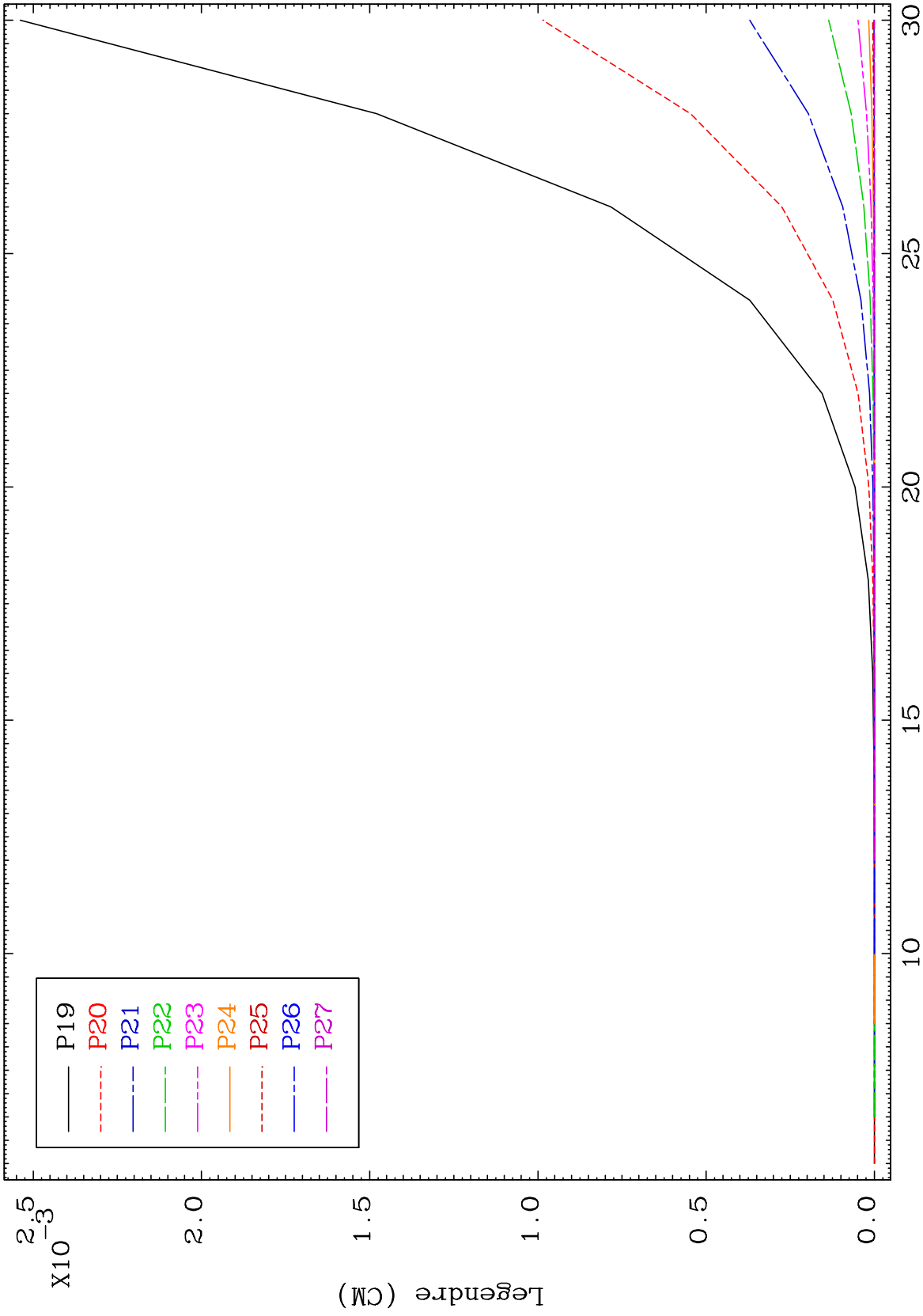
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41-Nb-93

MAT 4125

Elastic
Legendre Coefficients

41-Nb-93



18

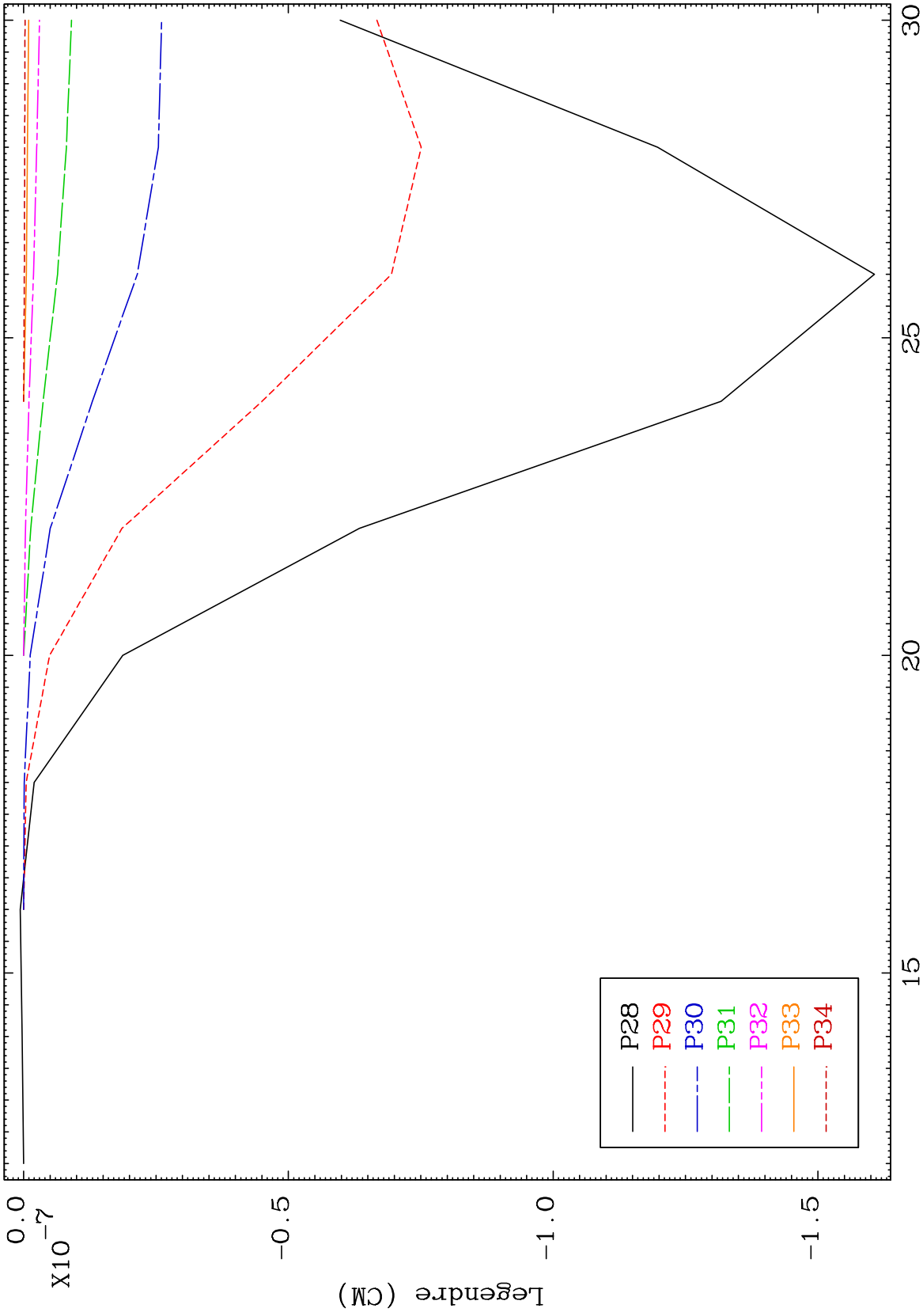
Incident Energy (MeV)

41-Nb-93

MAT 4125

41-Nb-93

Elastic
Legendre Coefficients



19

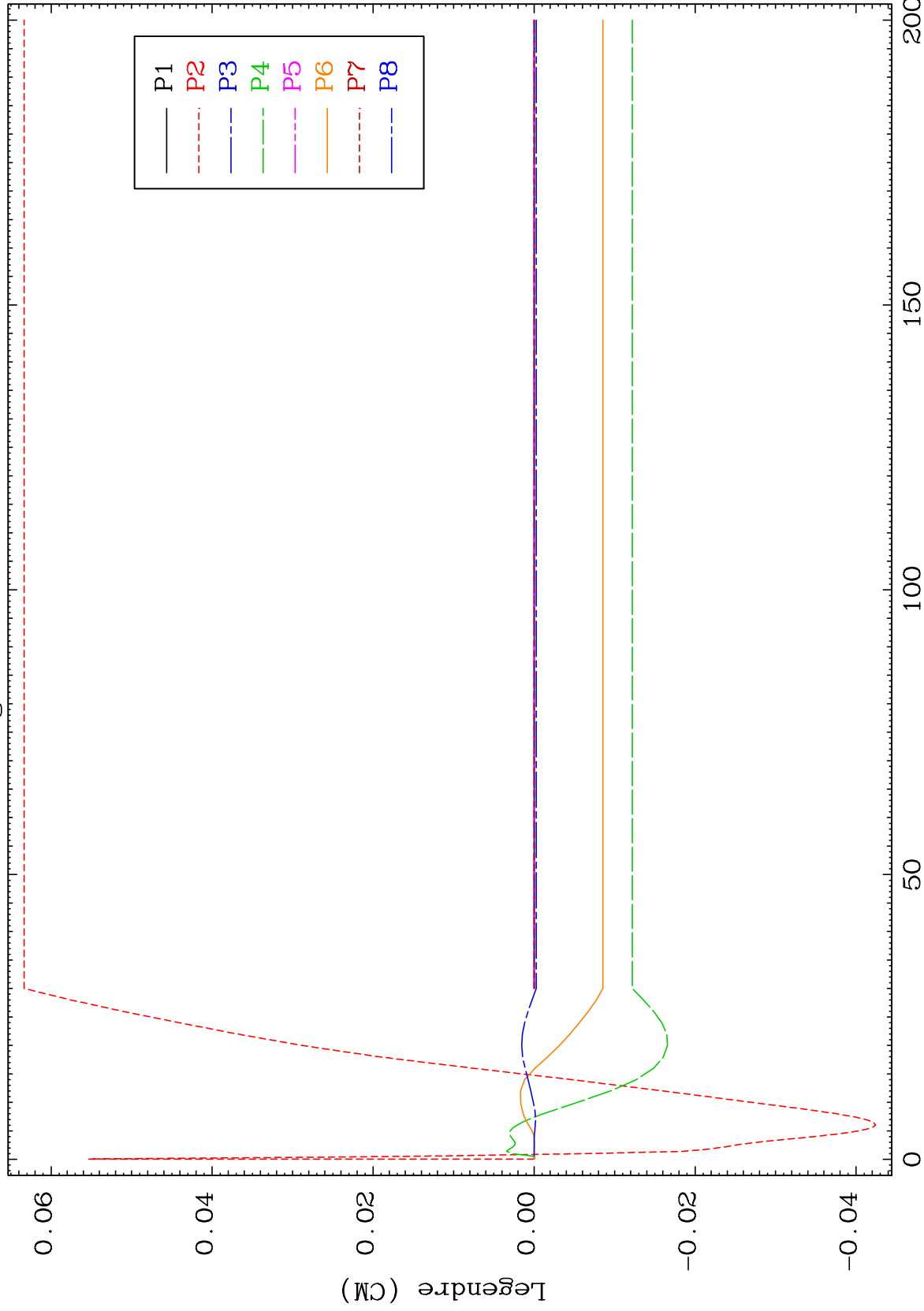
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



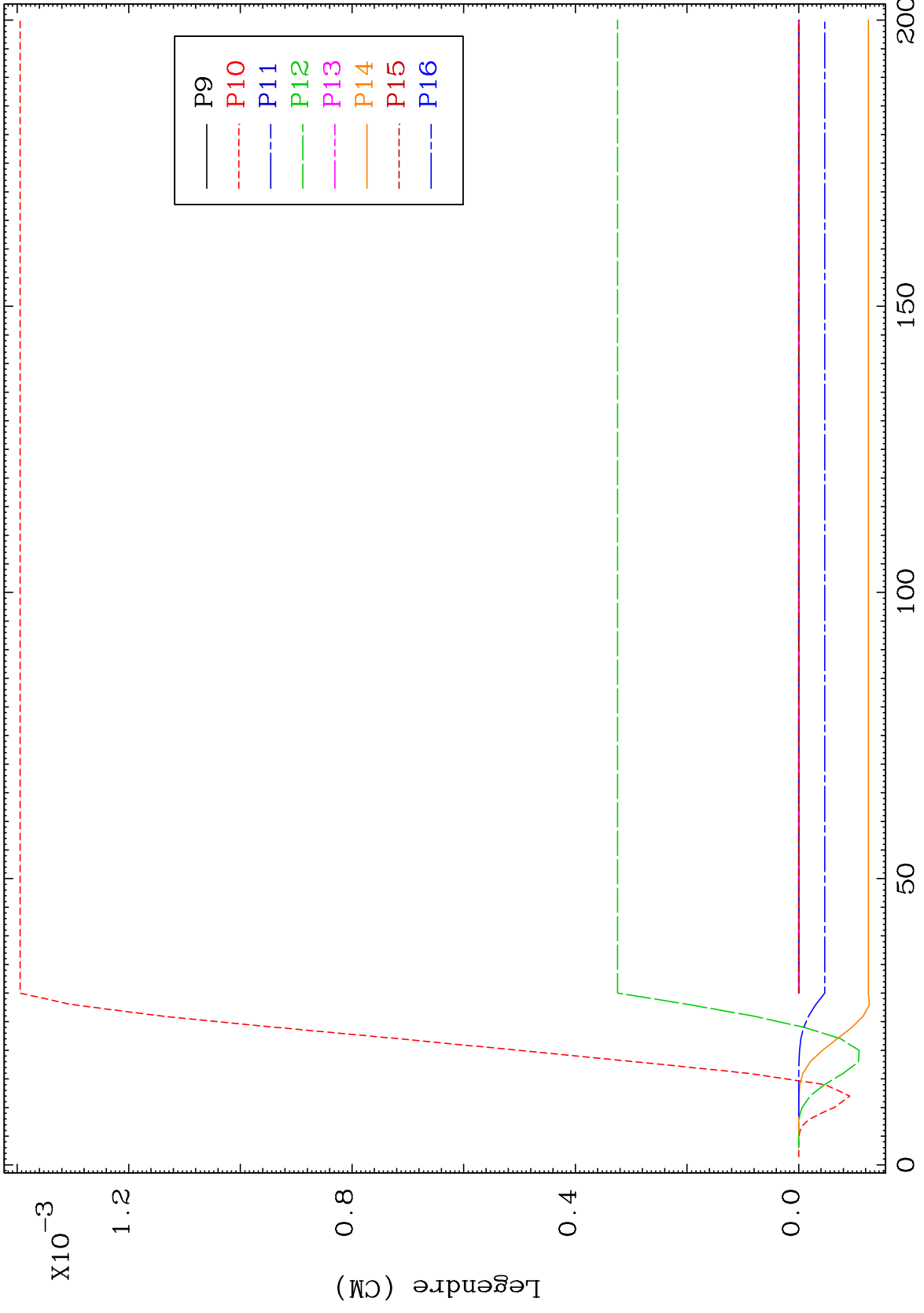
41-Nb-93

Incident Energy (MeV)

MAT 4125

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

41-Nb-93



21

Incident Energy (MeV)

41-Nb-93

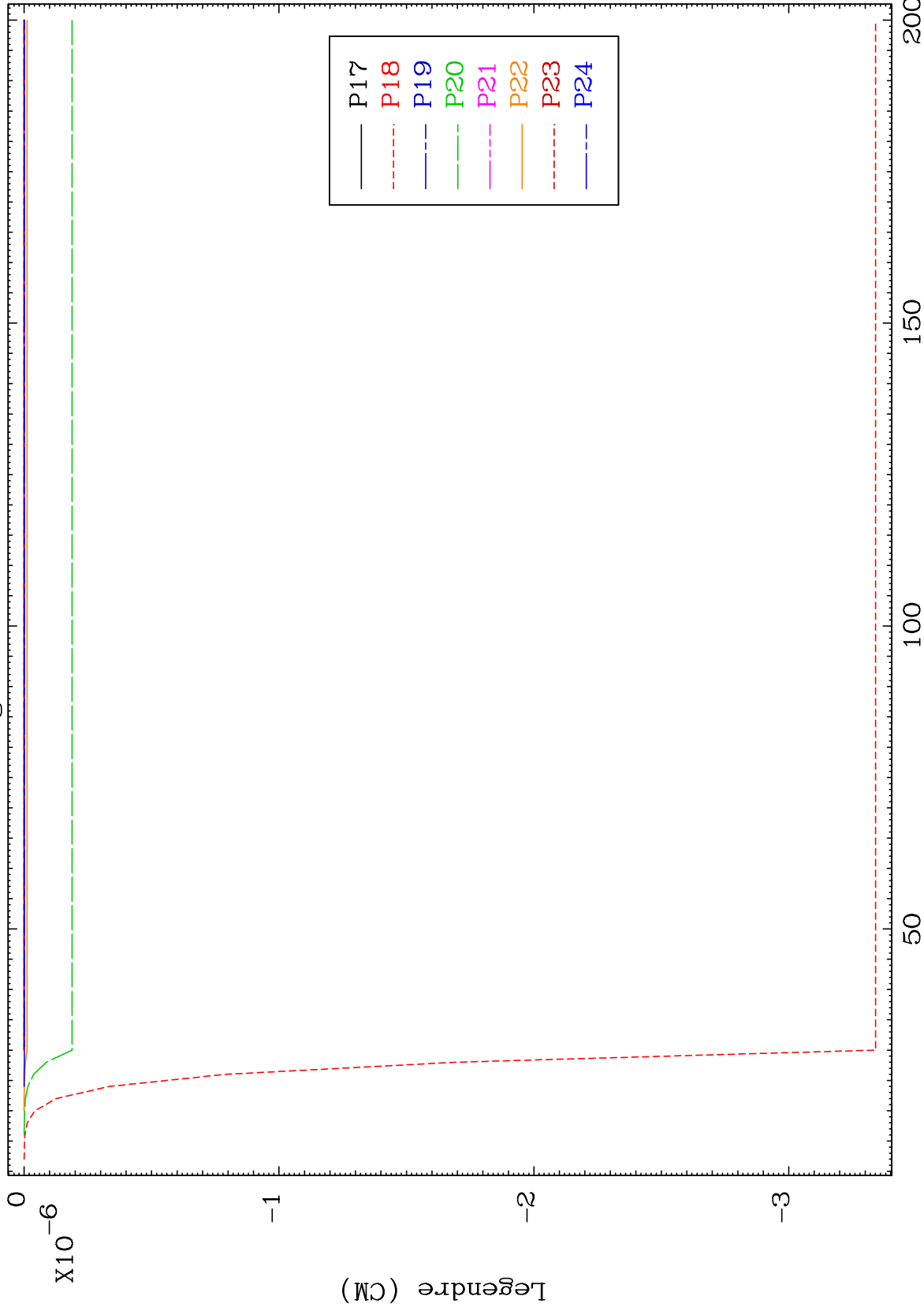
MAT 4125

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

41-Nb-93

Incident Energy (MeV)

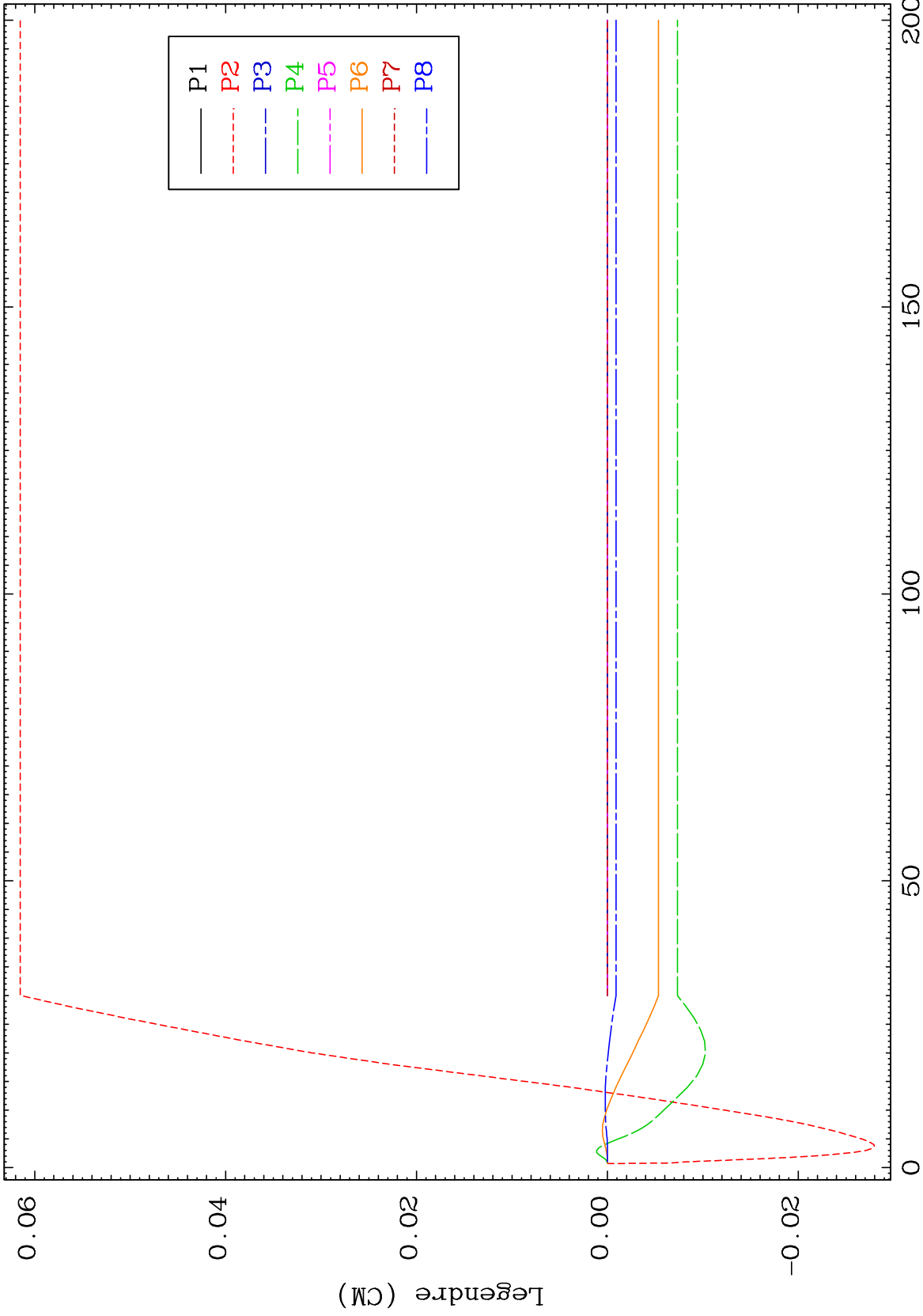
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MAT 4125

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

41-Nb-93



23

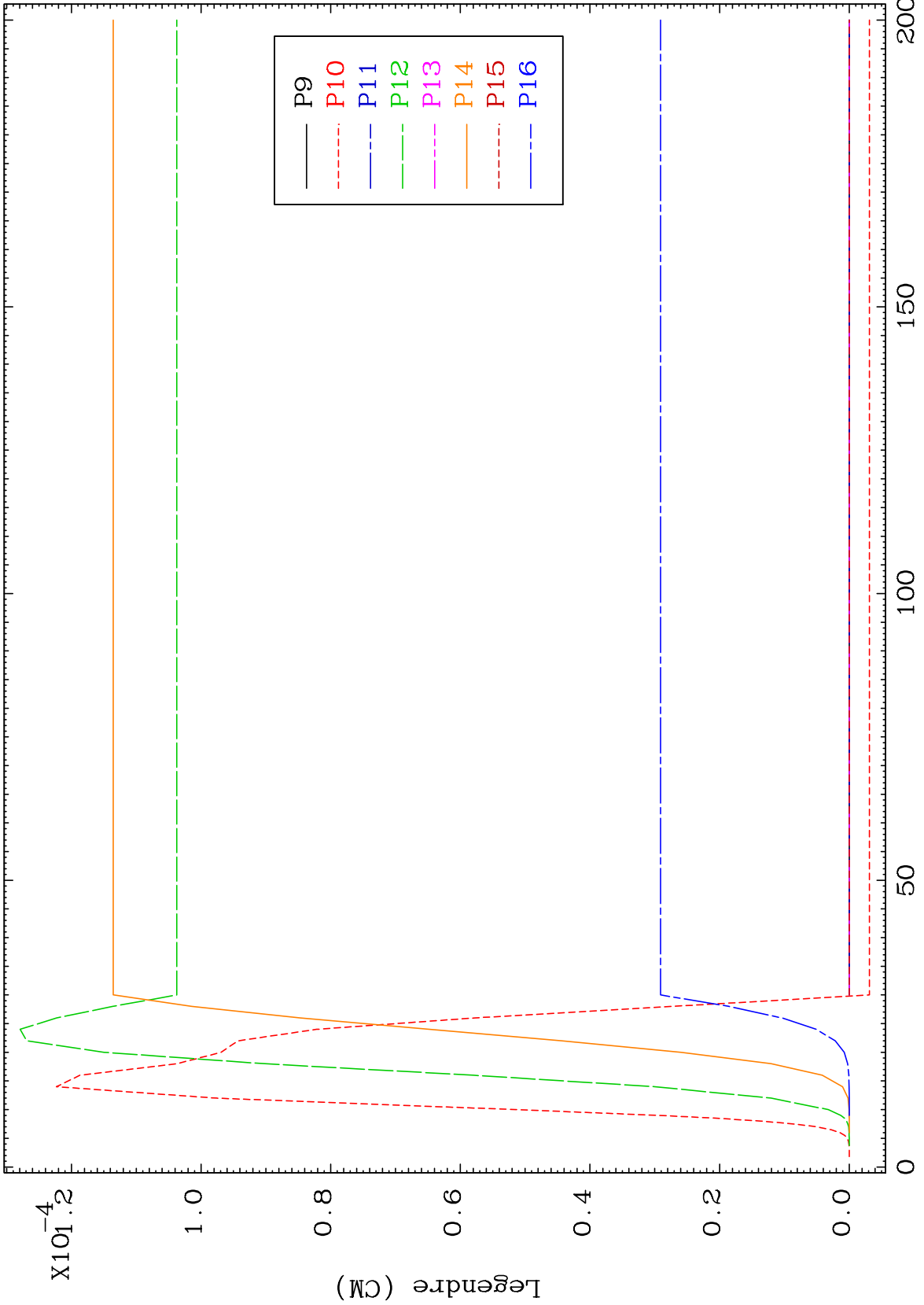
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93

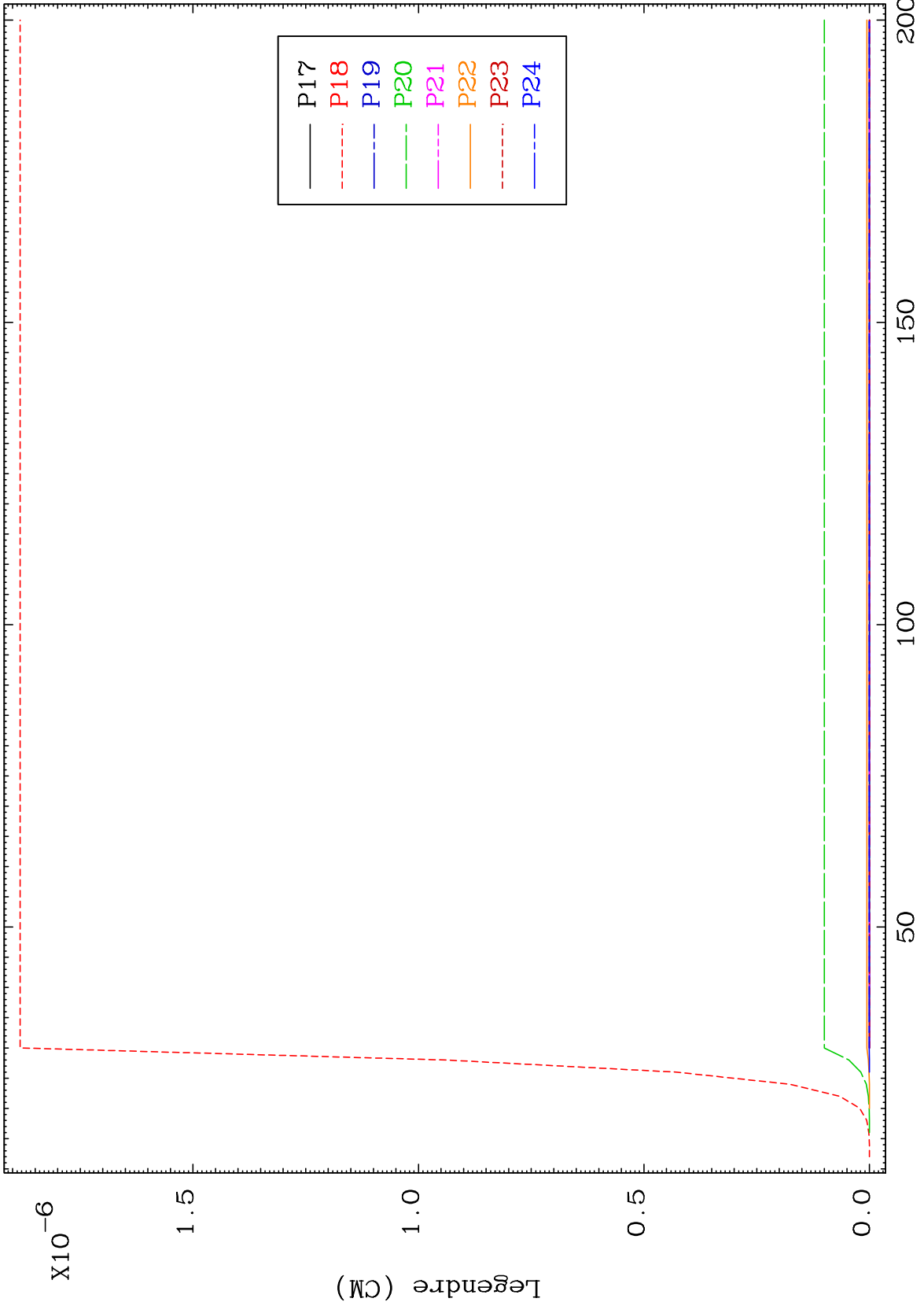


24

Incident Energy (MeV)

41-Nb-93

MAT 4125 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-93

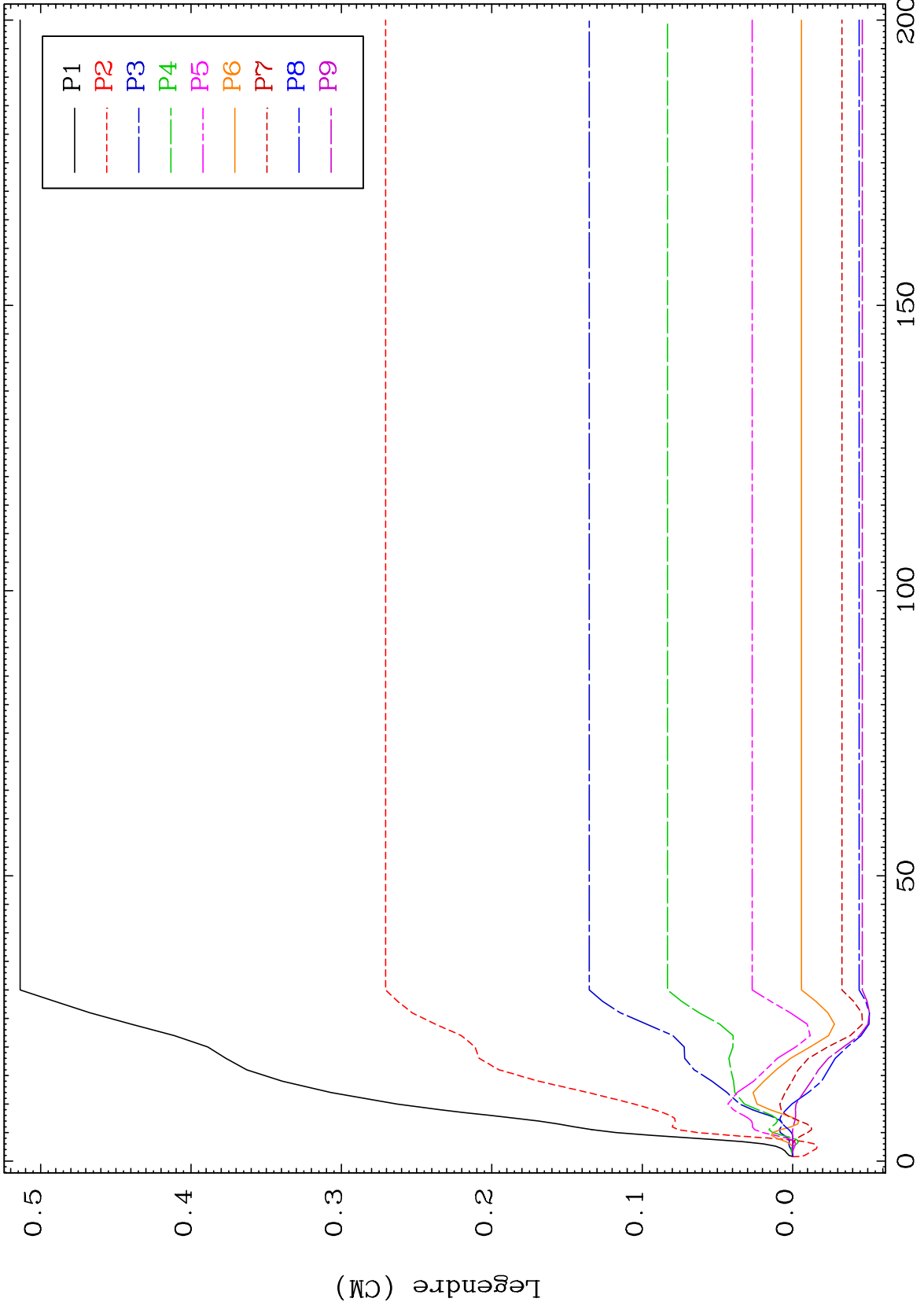


41-Nb-93

MAT 4125

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

41-Nb-93



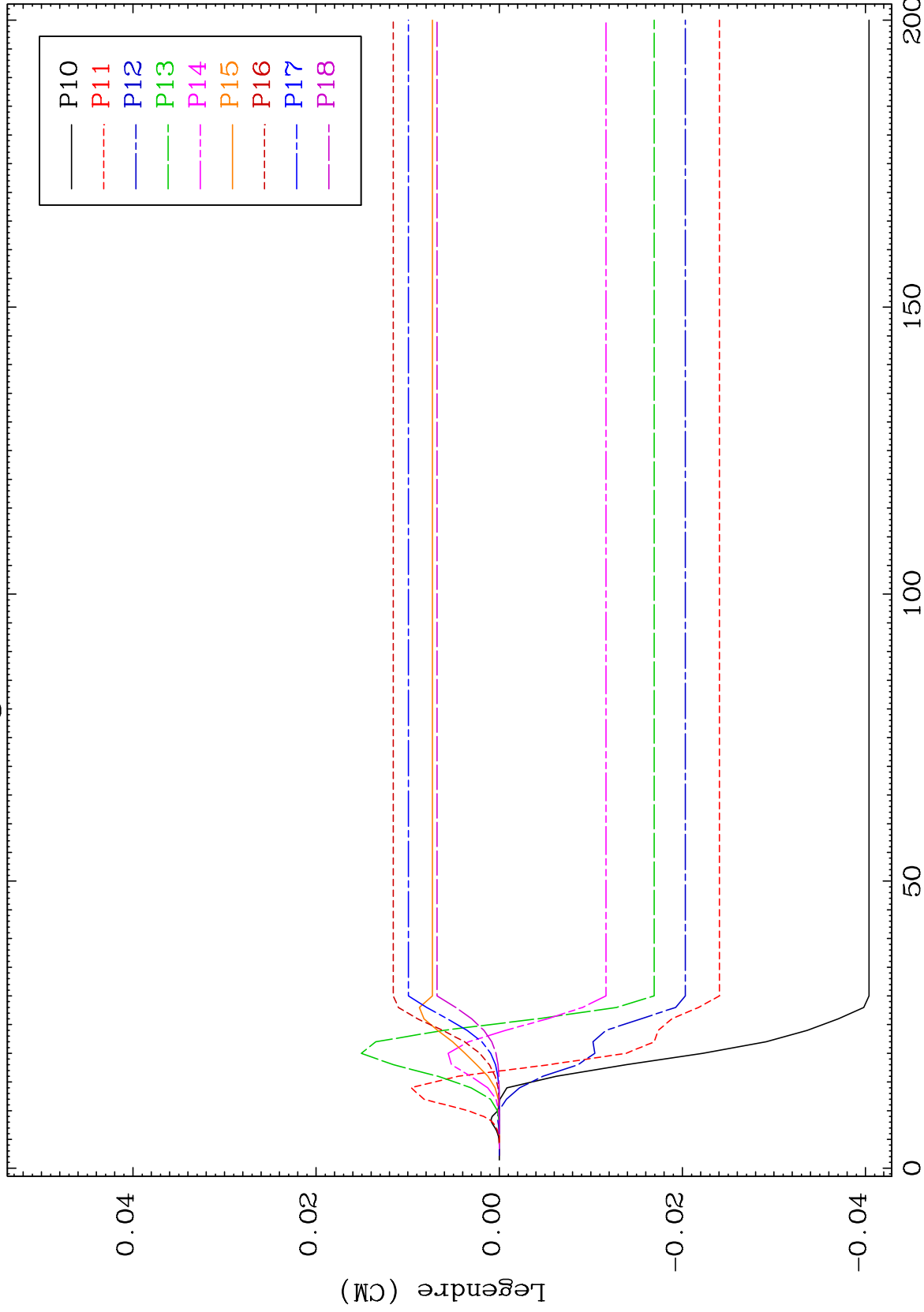
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41-Nb-93

MAT 4125

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

41-Nb-93



27

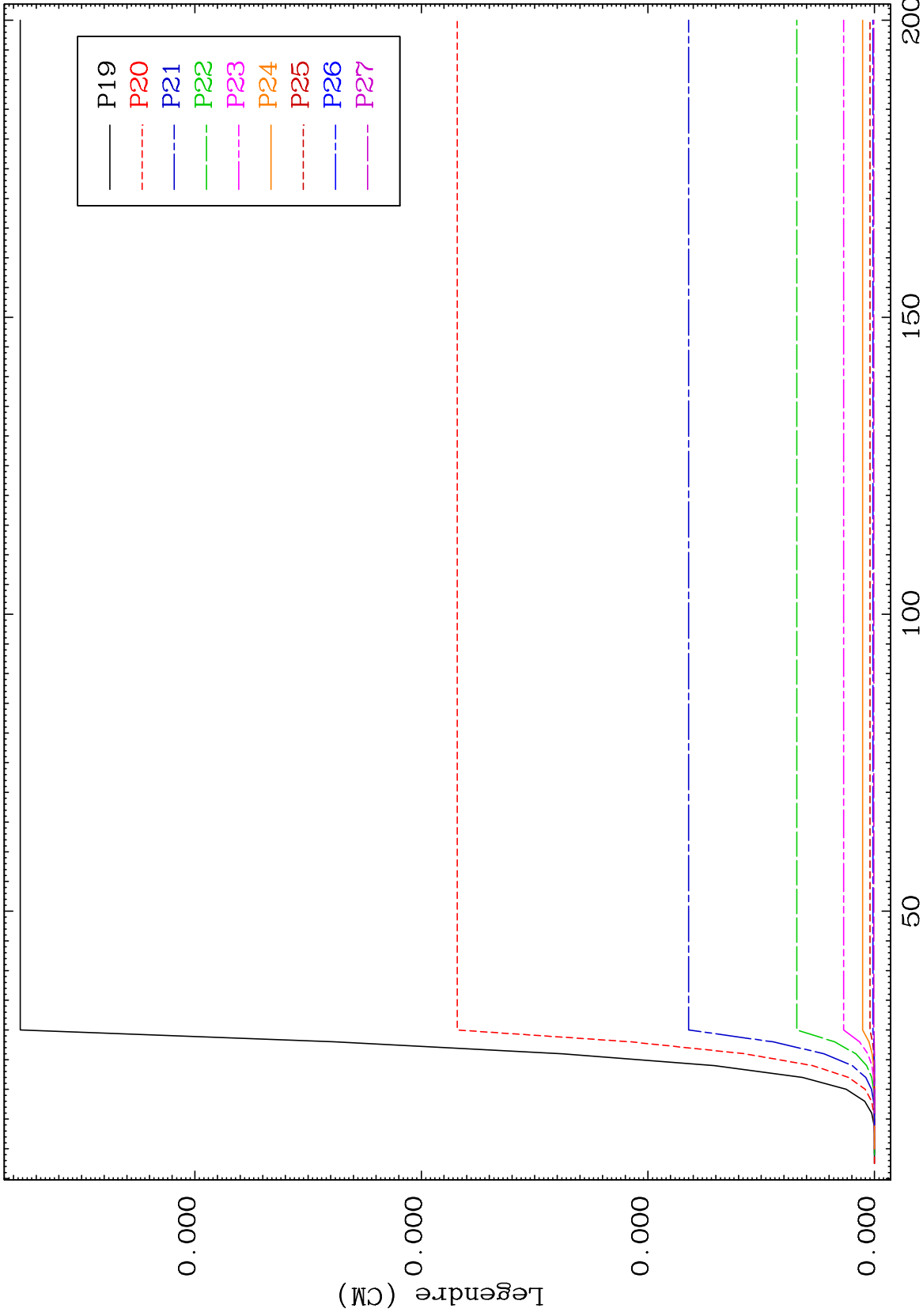
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



28

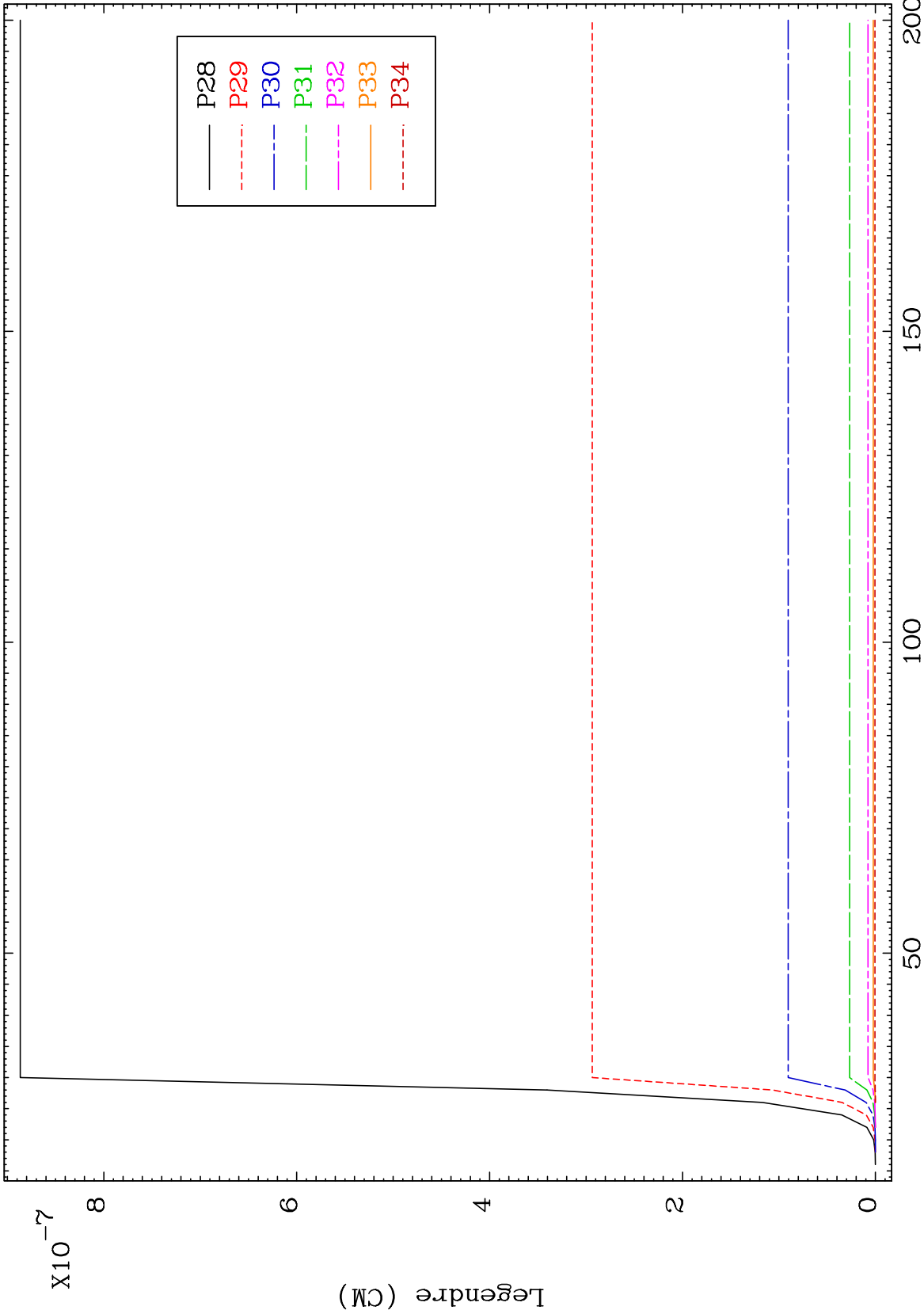
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



29

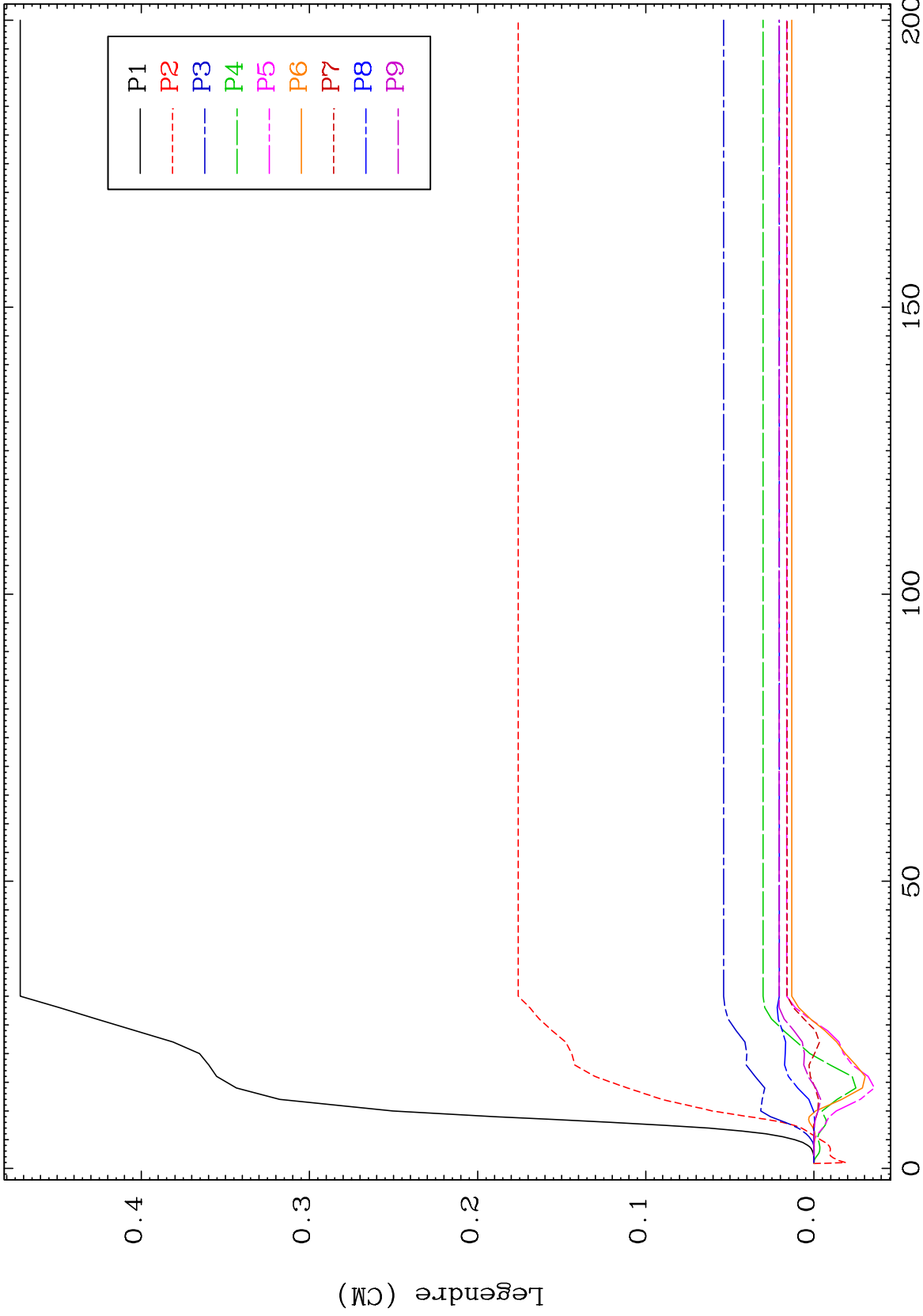
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



41-Nb-93

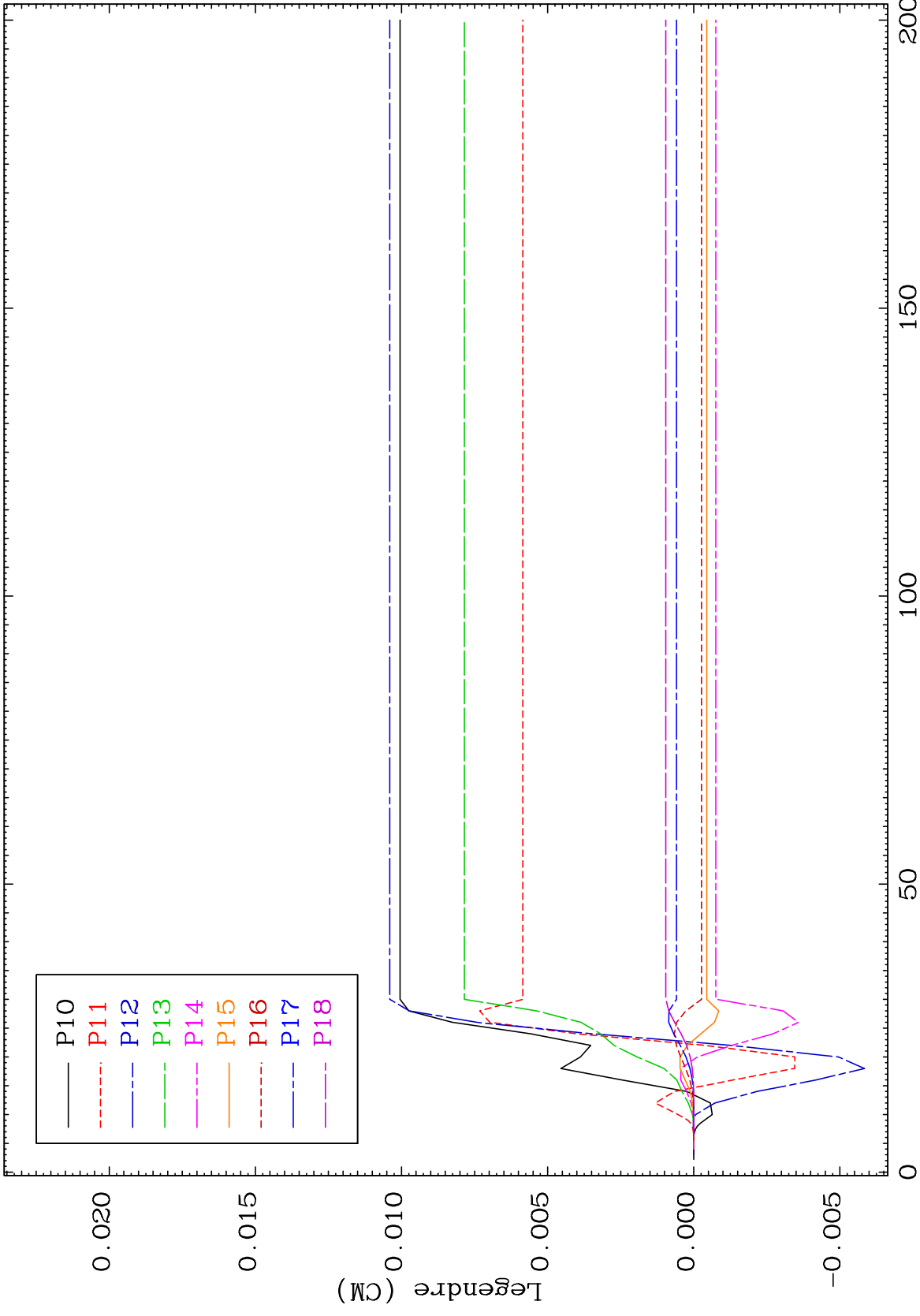
Incident Energy (MeV)

30

MAT 4125

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

41-Nb-93



31

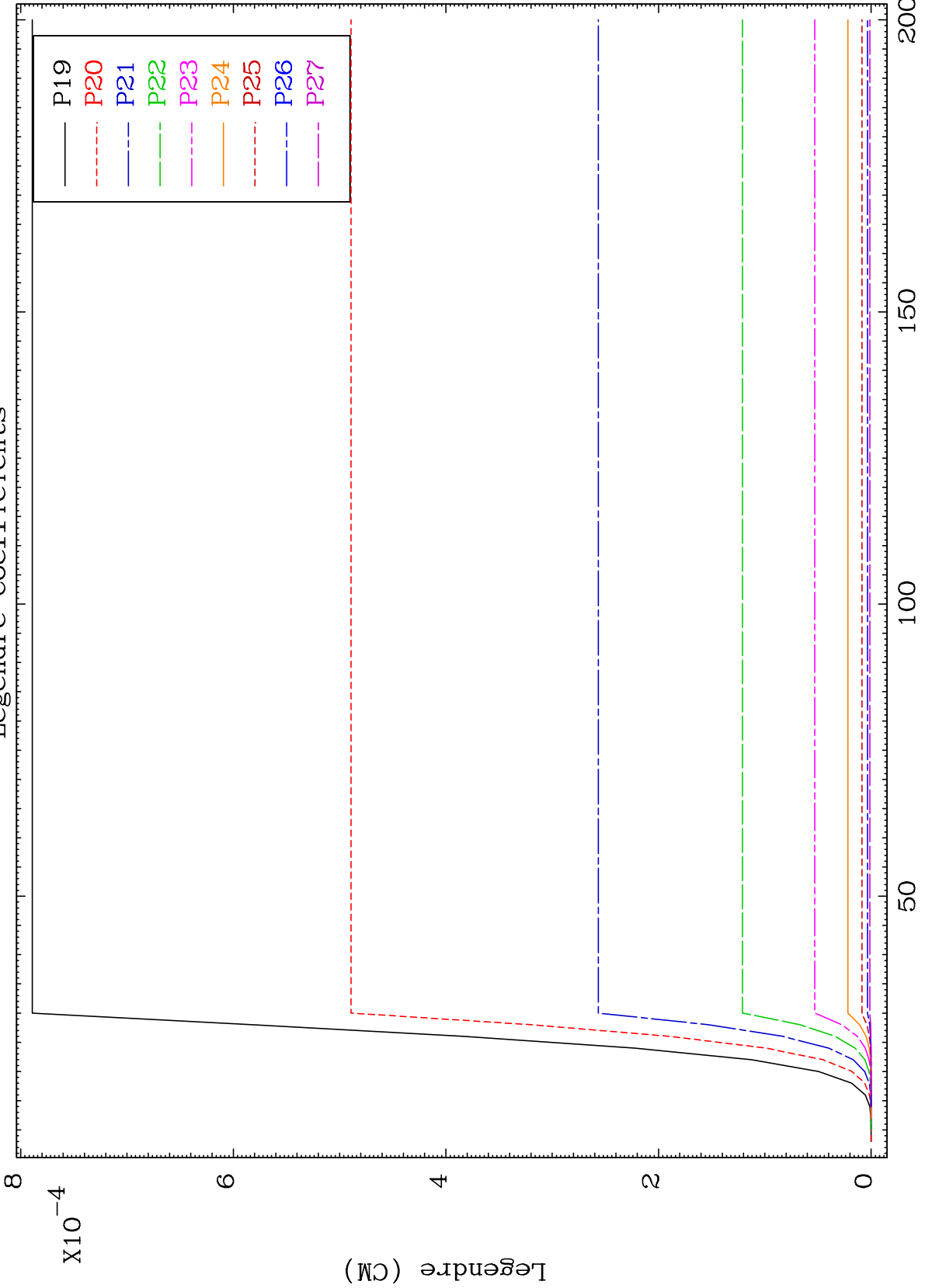
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



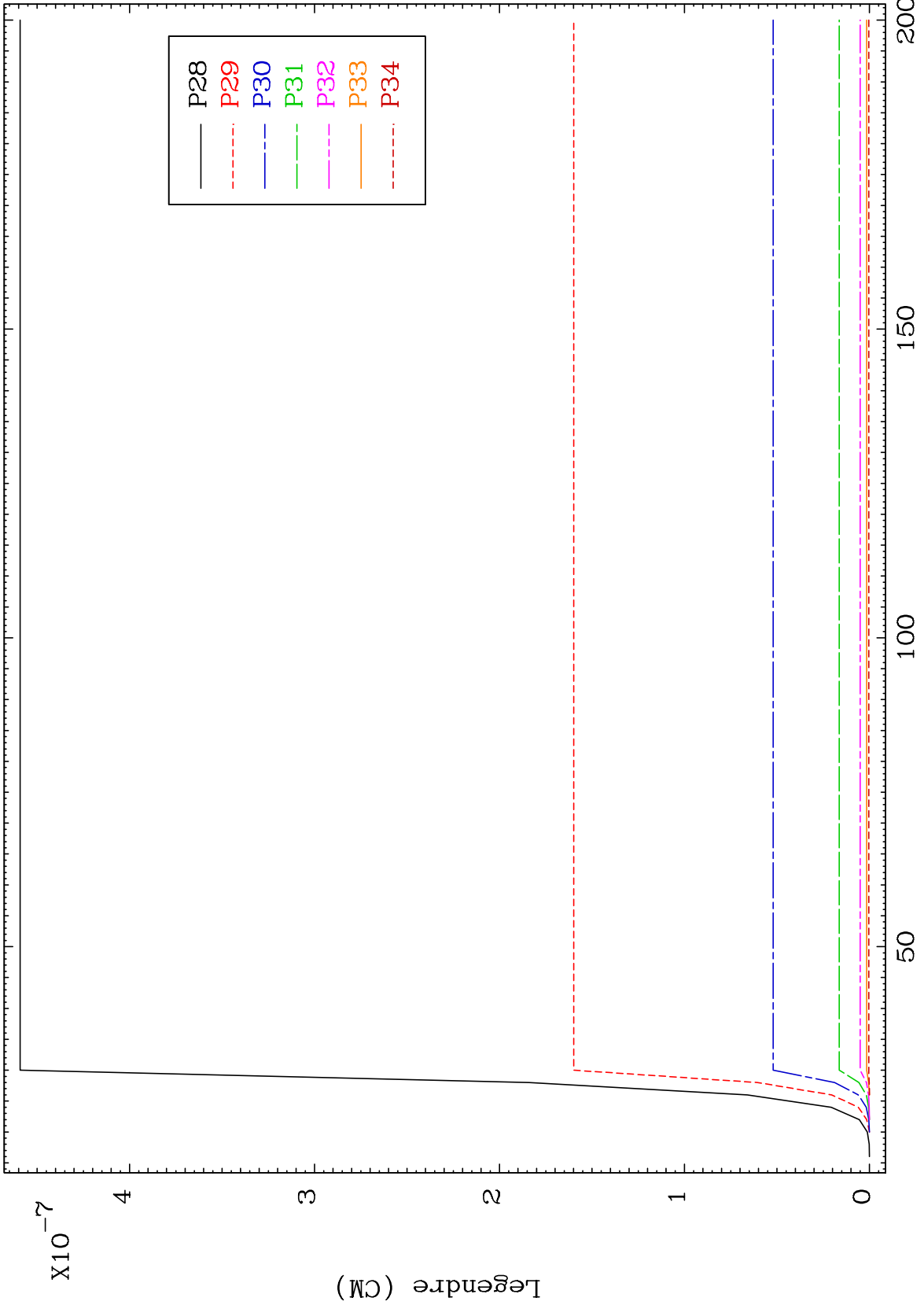
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41-Nb-93

MAT 4125

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

41-Nb-93



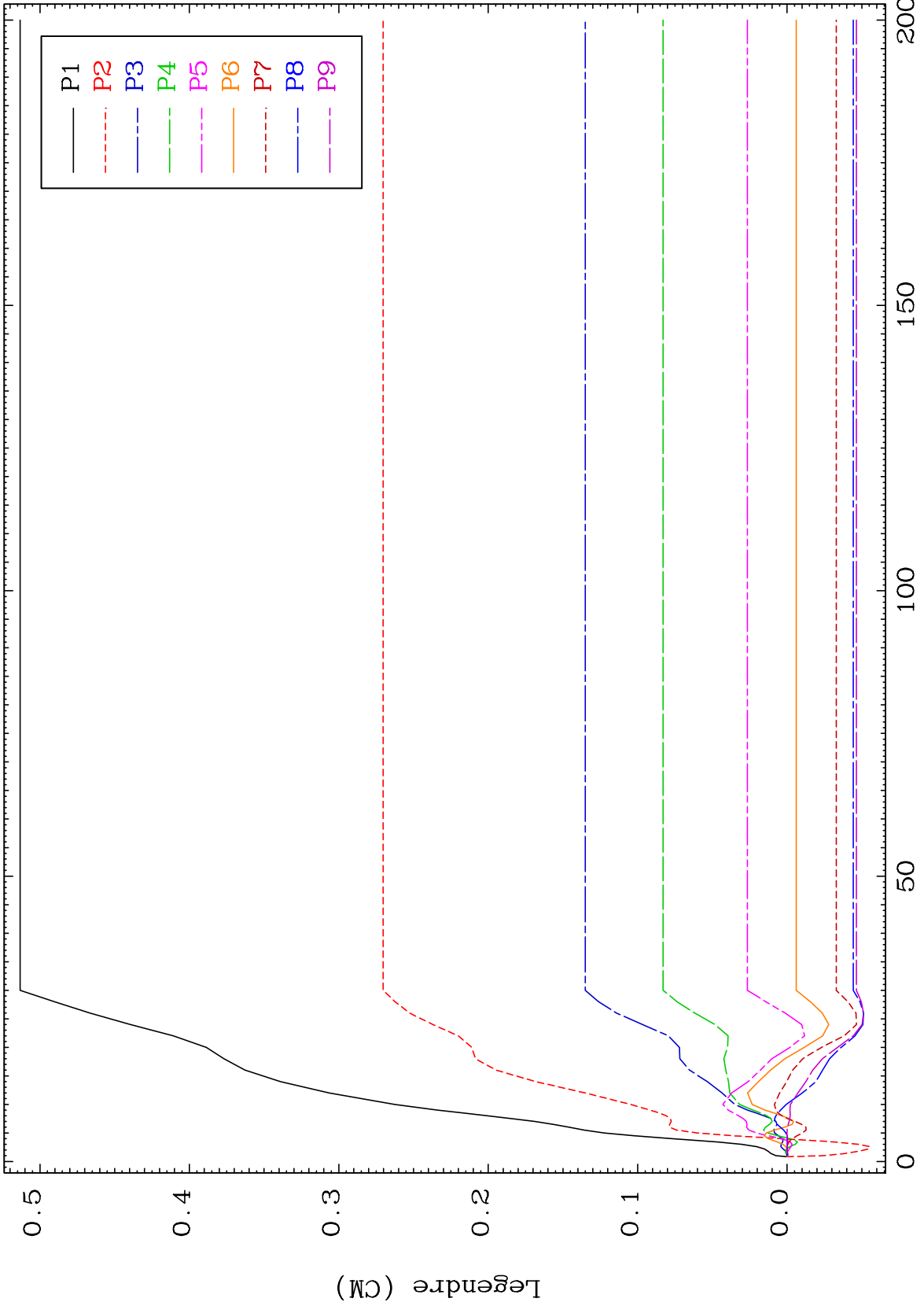
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41-Nb-93

MAT 4125

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

41-Nb-93



34

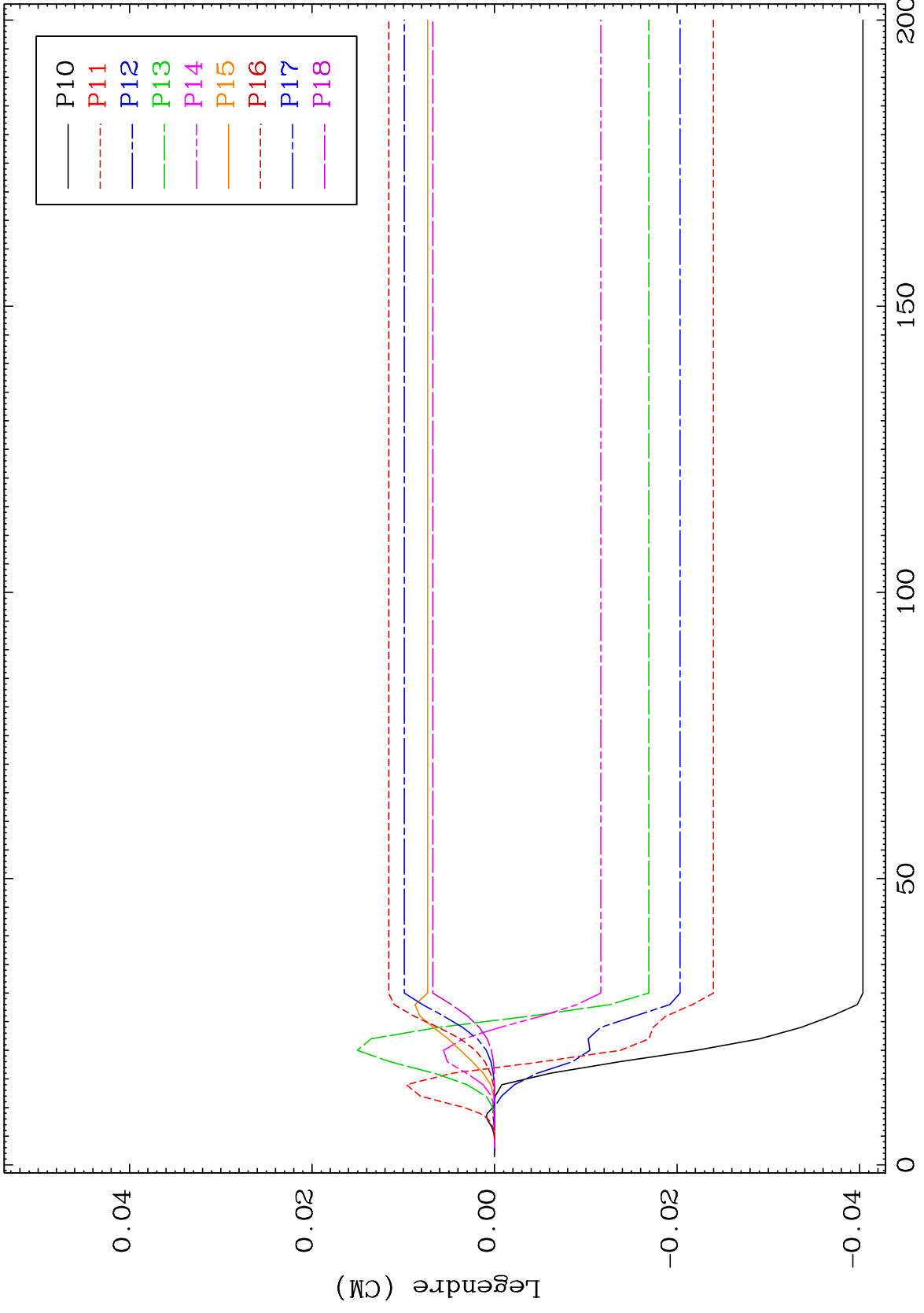
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



35

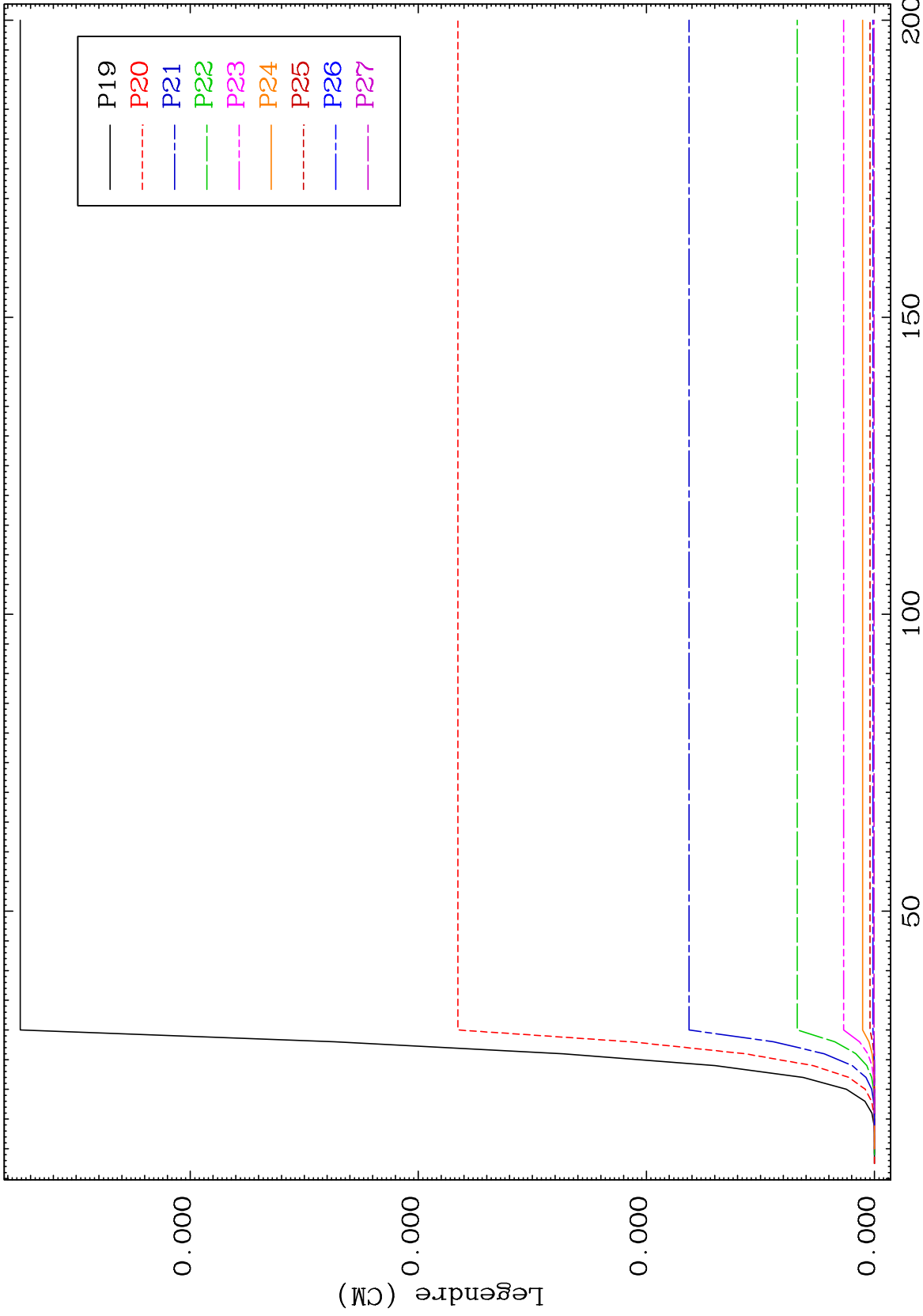
Incident Energy (MeV)

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MAT 4125

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

41-Nb-93



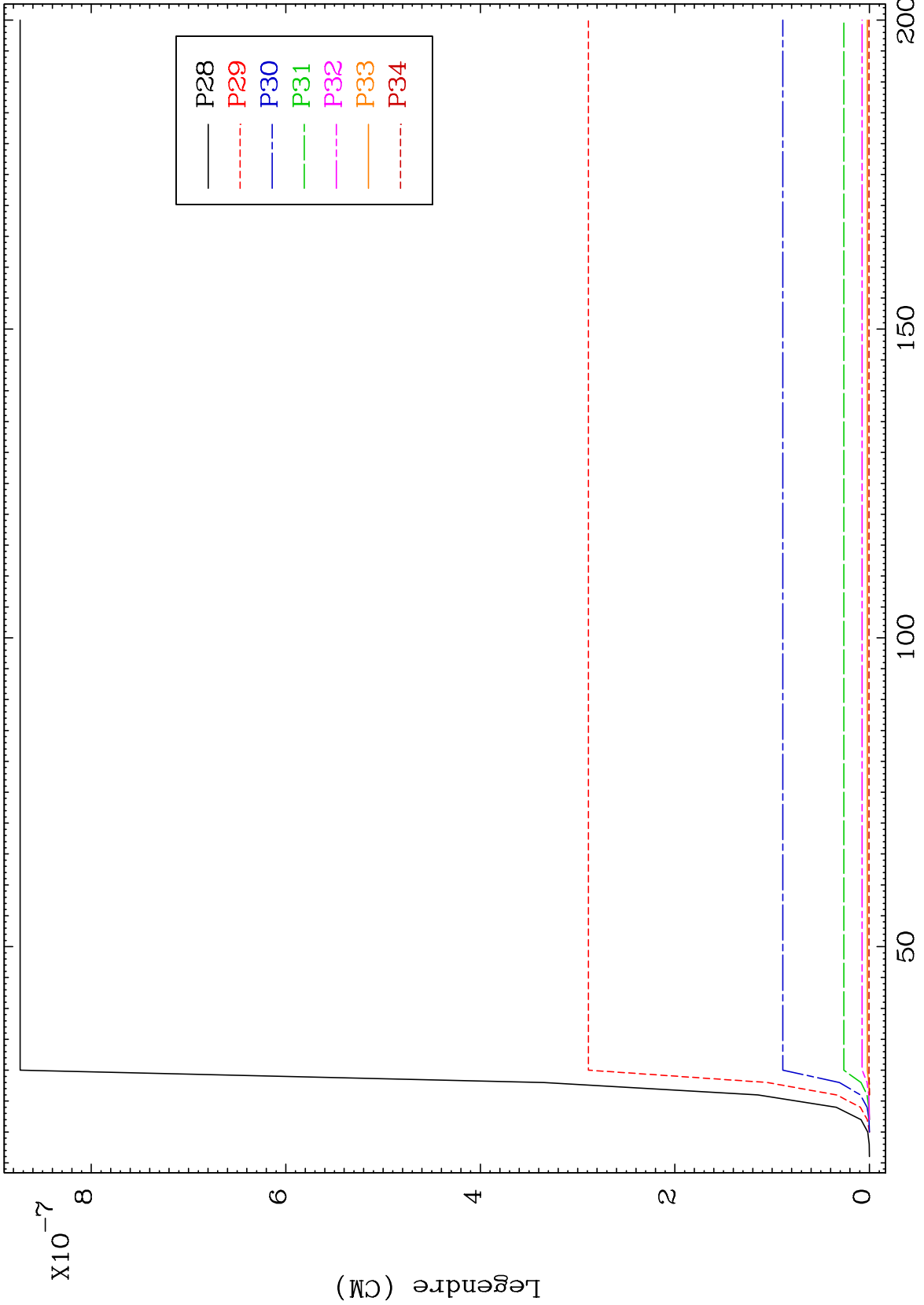
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41-Nb-93

MAT 4125

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

41-Nb-93



37

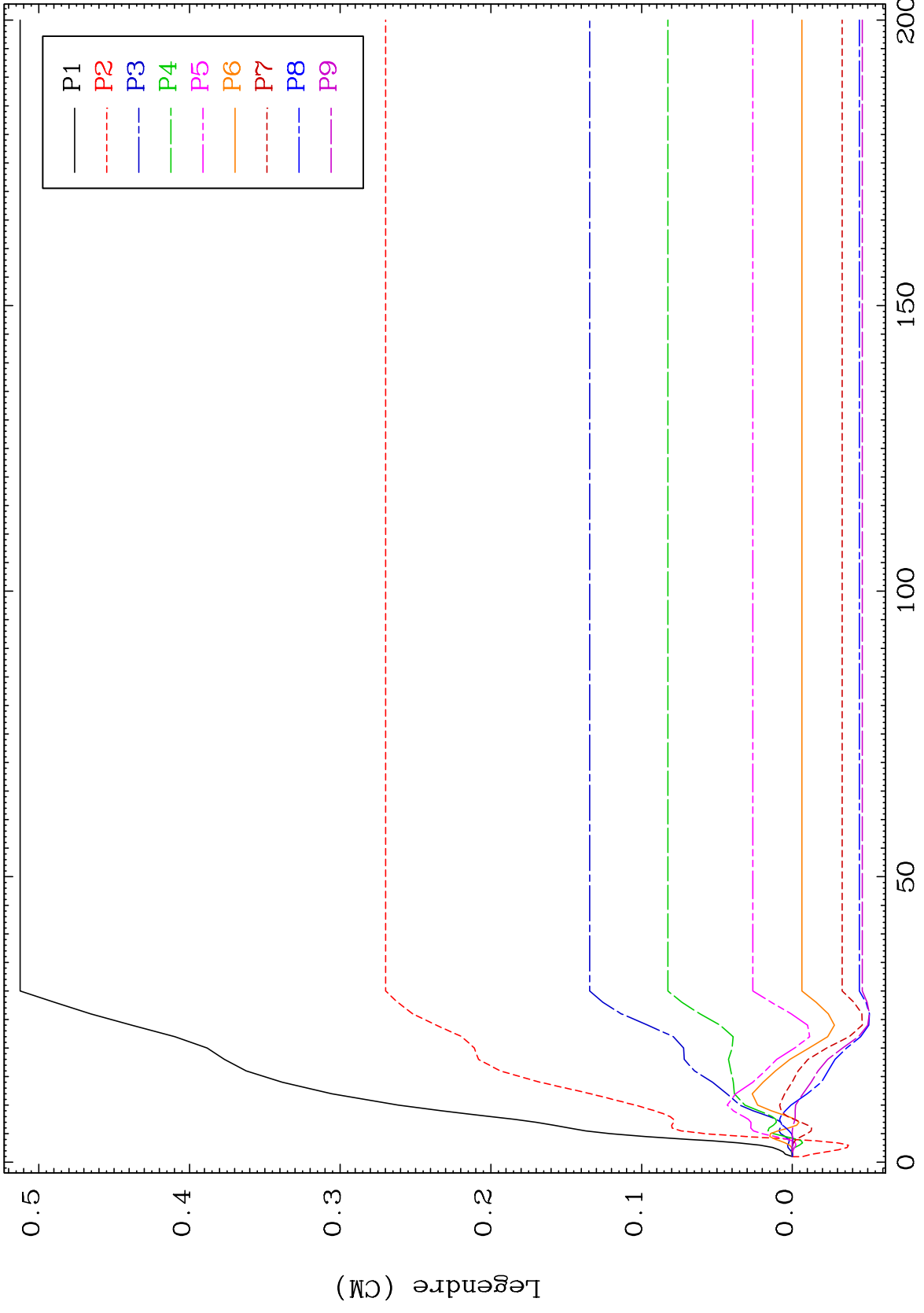
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



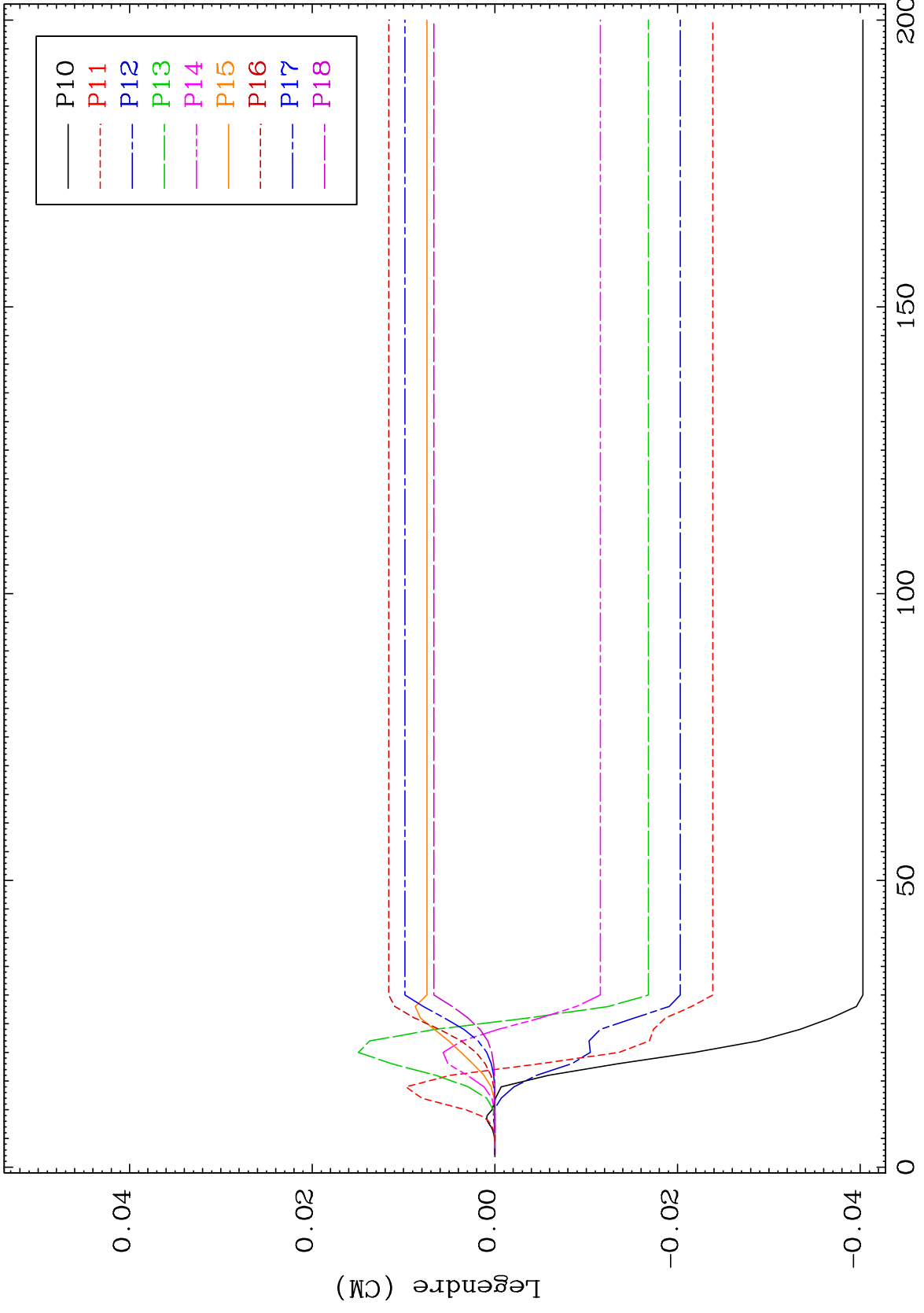
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41-Nb-93

MAT 4125

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

41-Nb-93



39

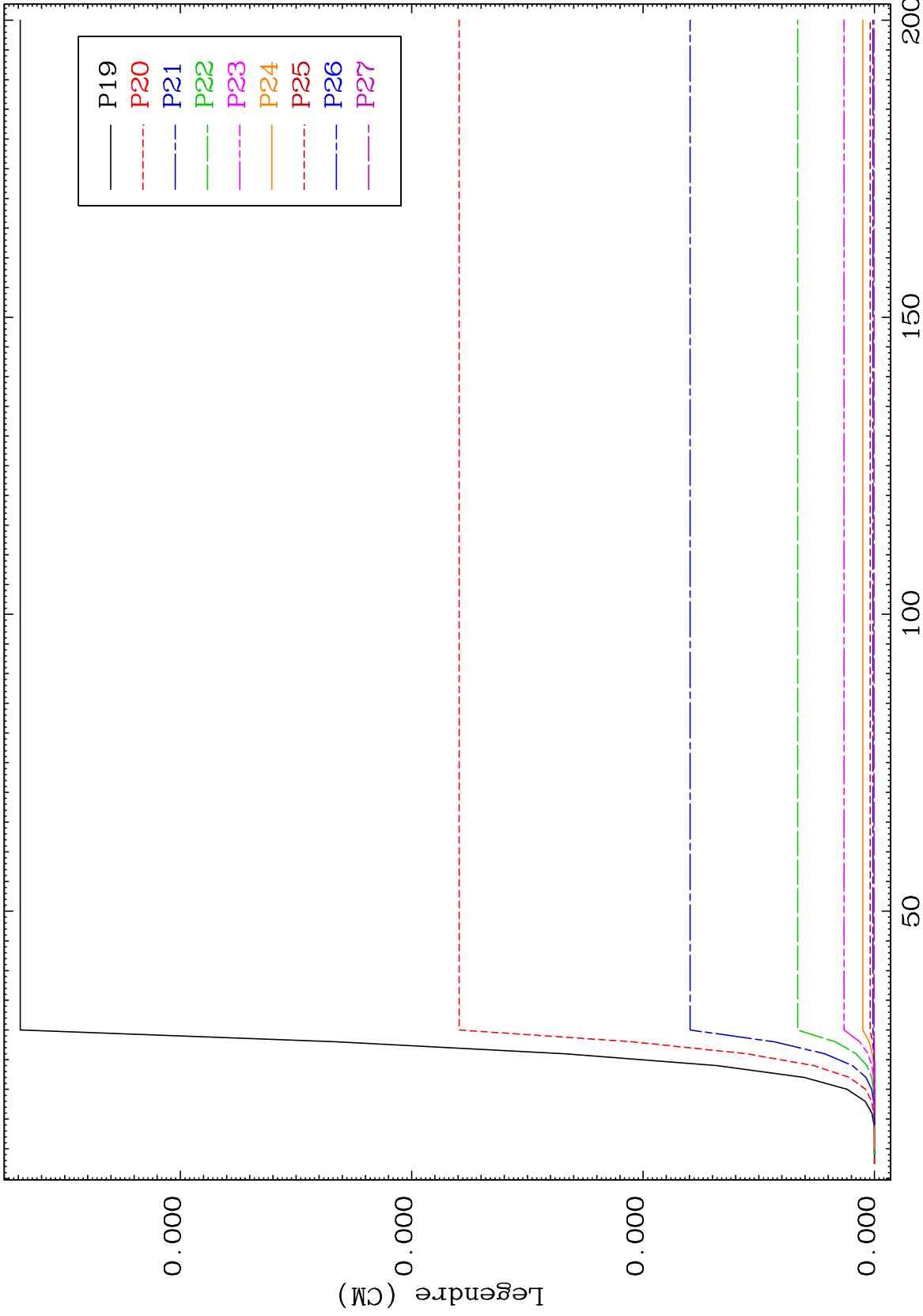
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



40

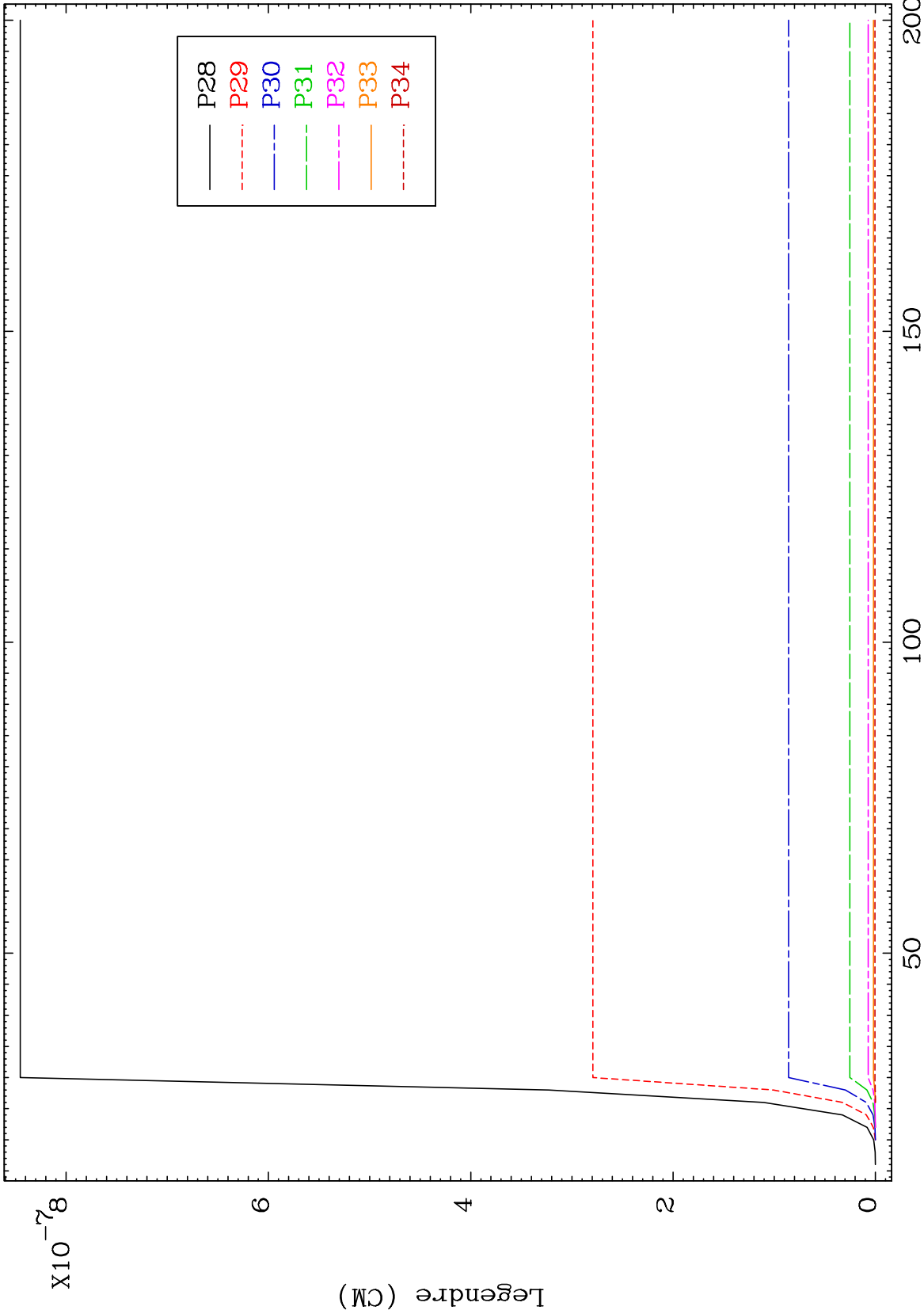
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



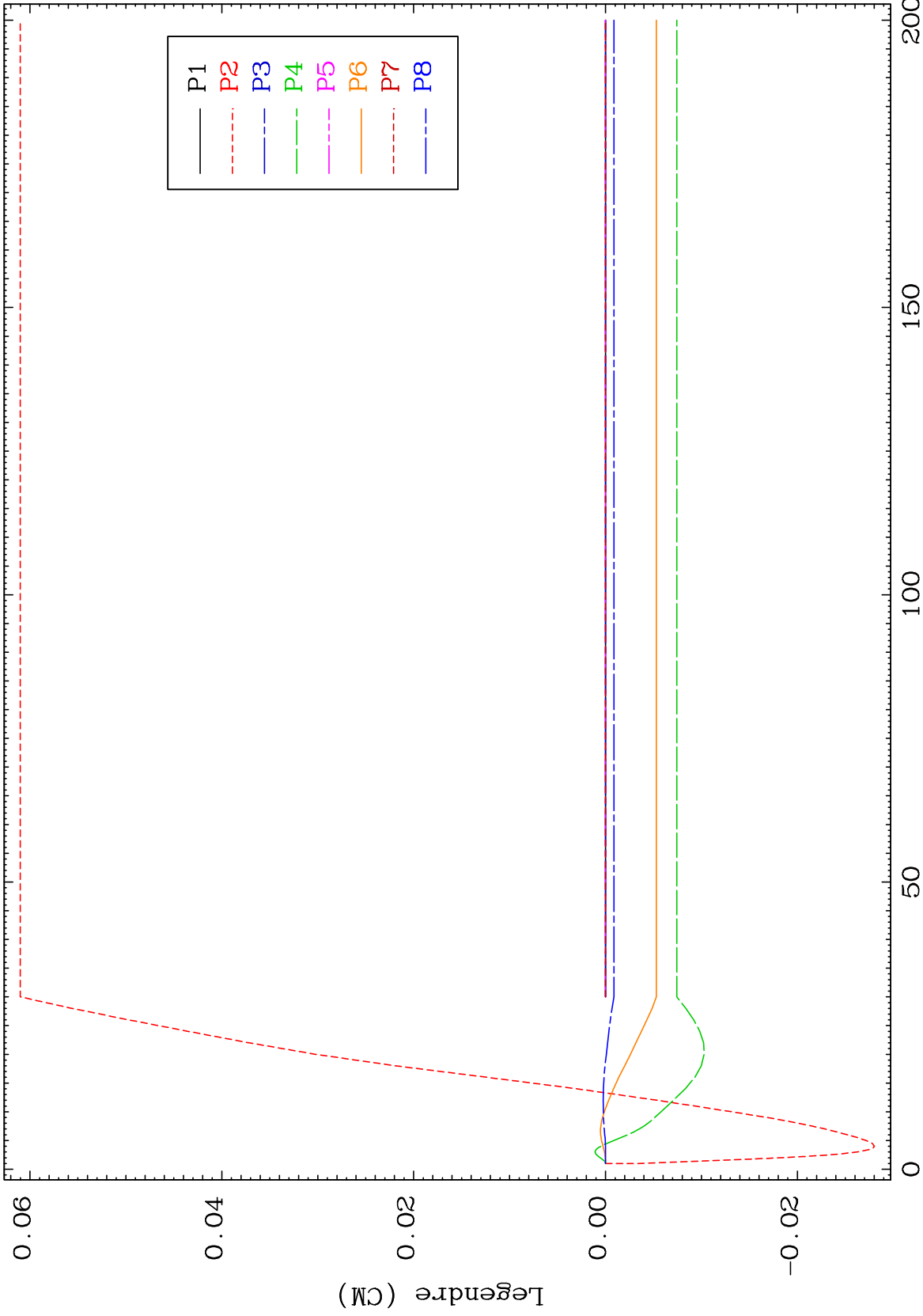
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41-Nb-93

MAT 4125

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

41-Nb-93



42

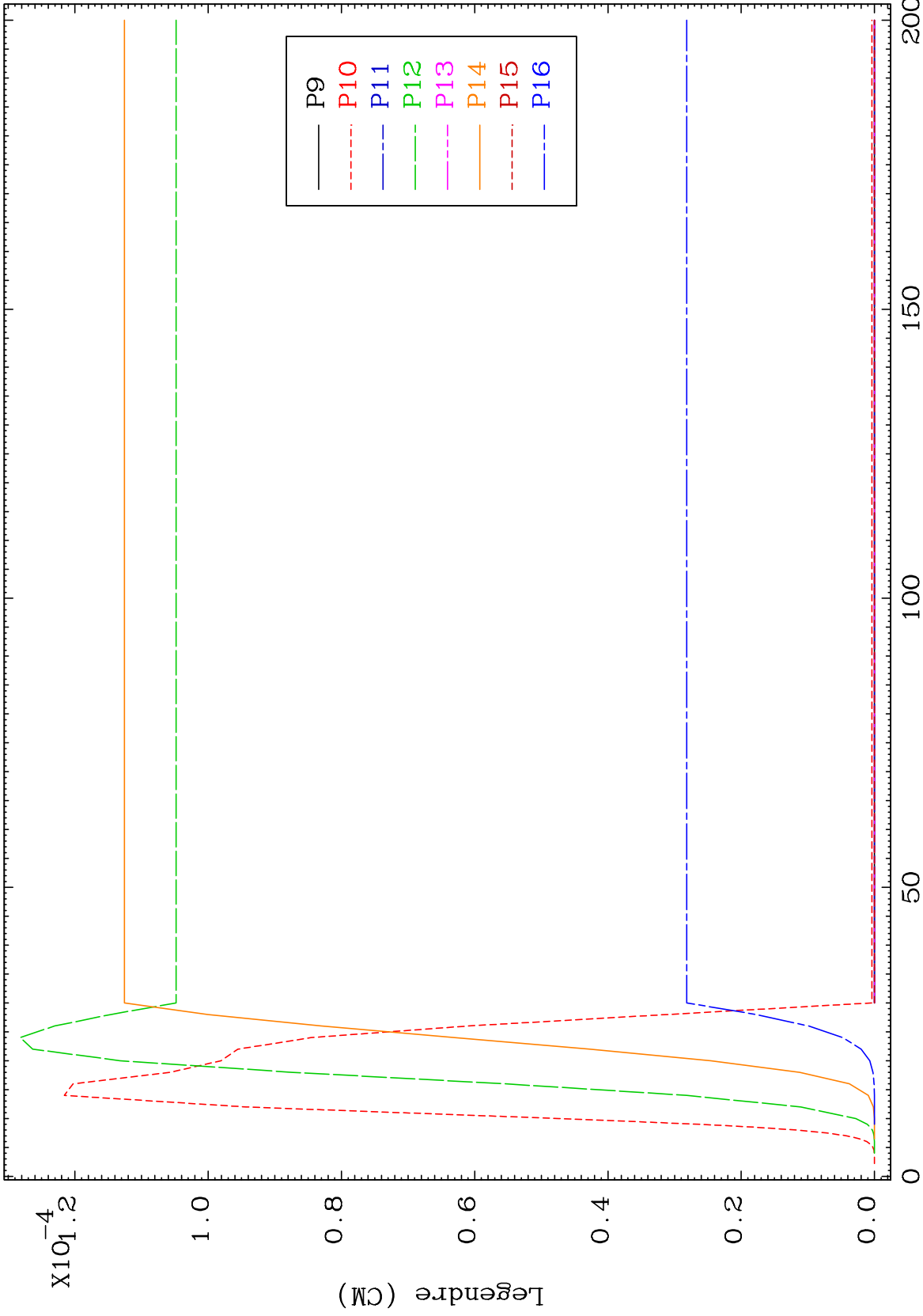
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



43

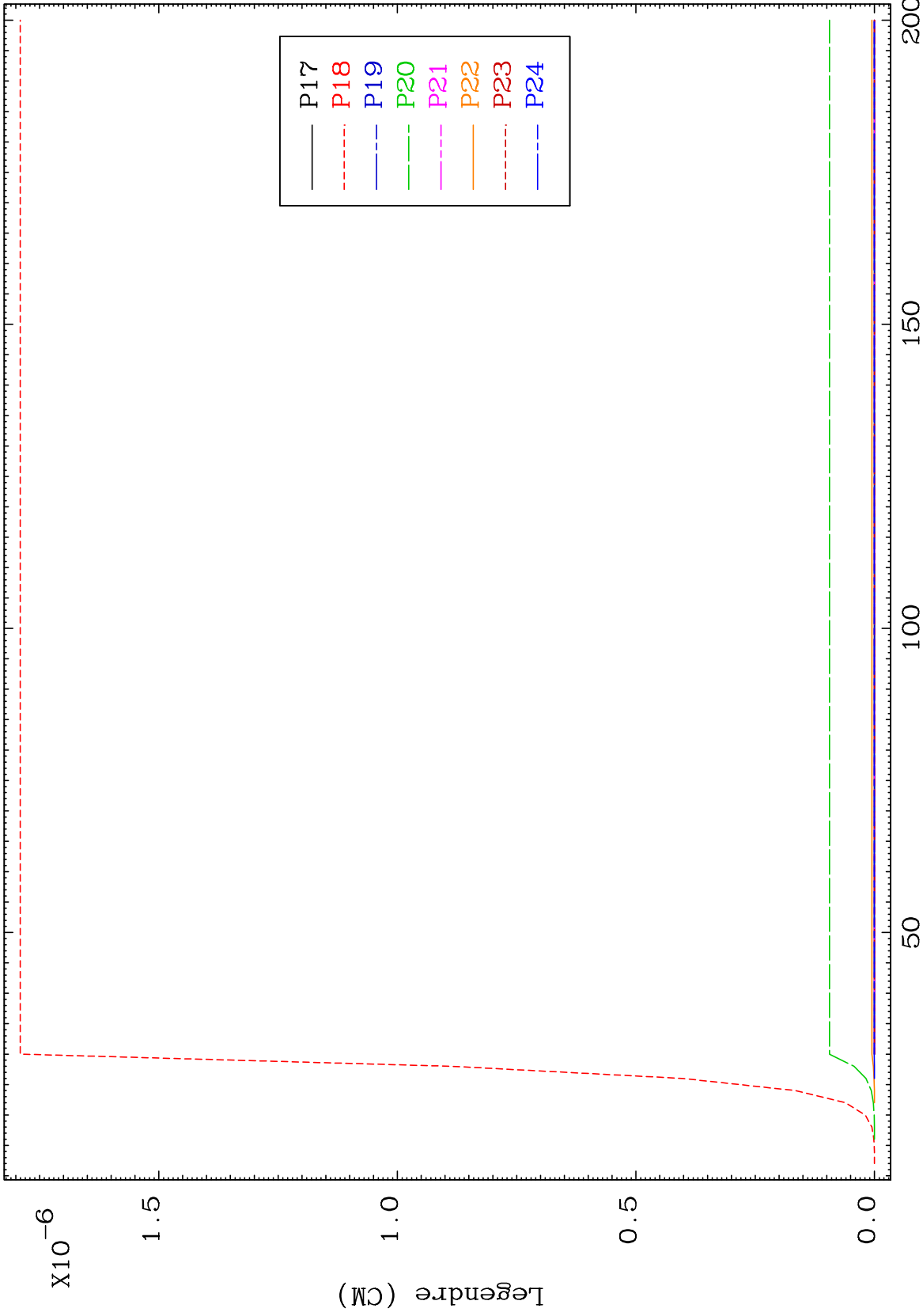
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



44

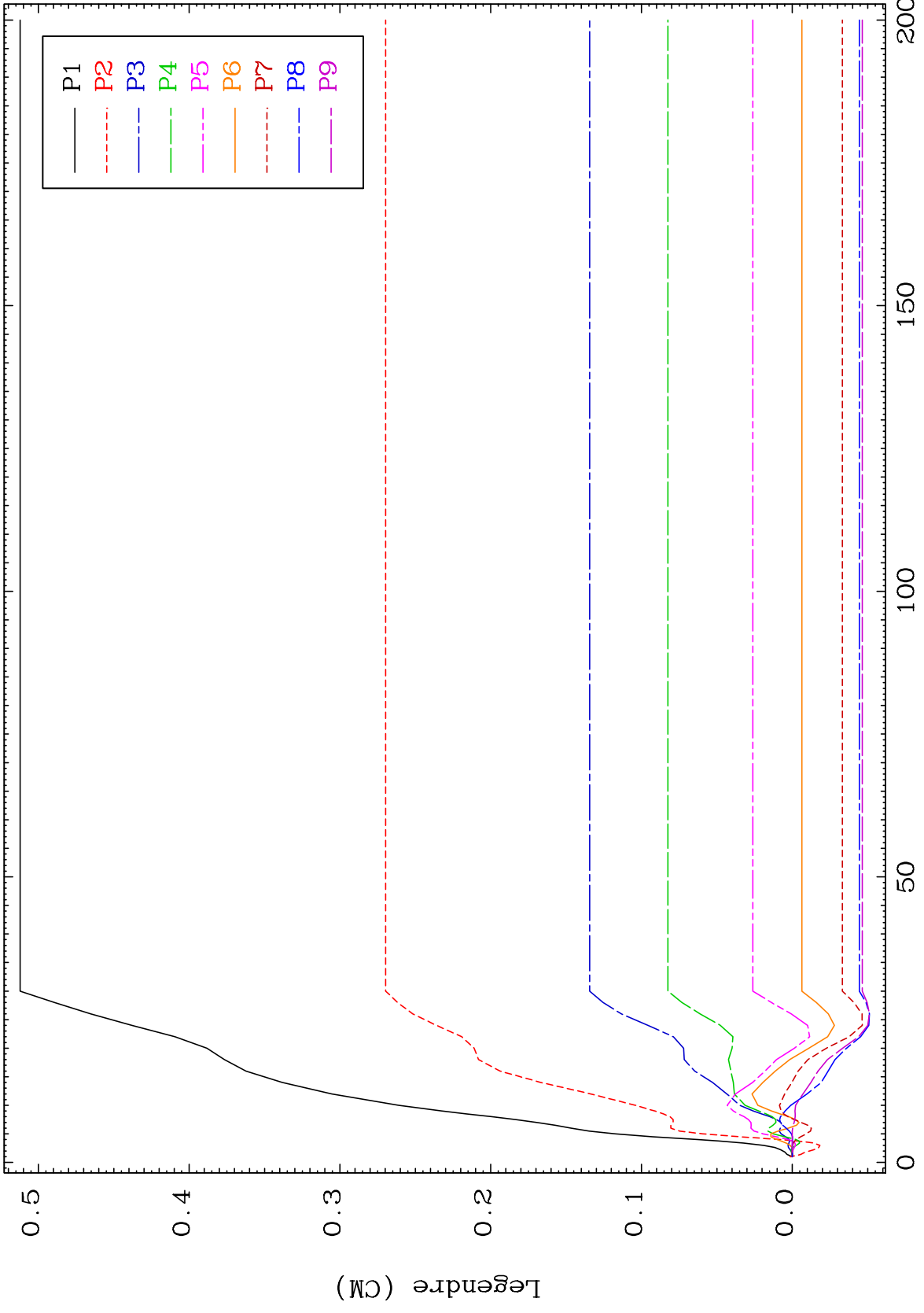
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



45

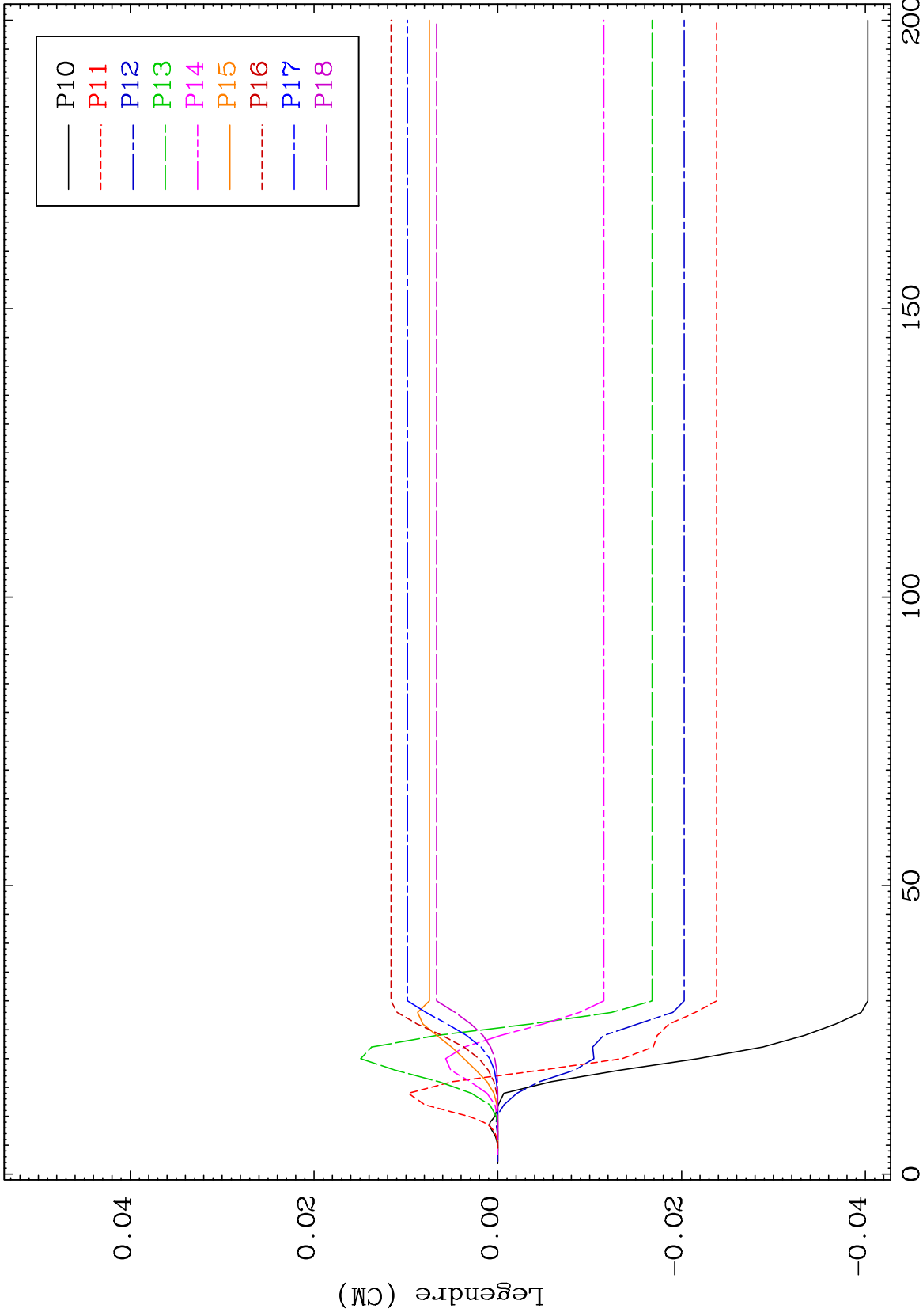
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



46

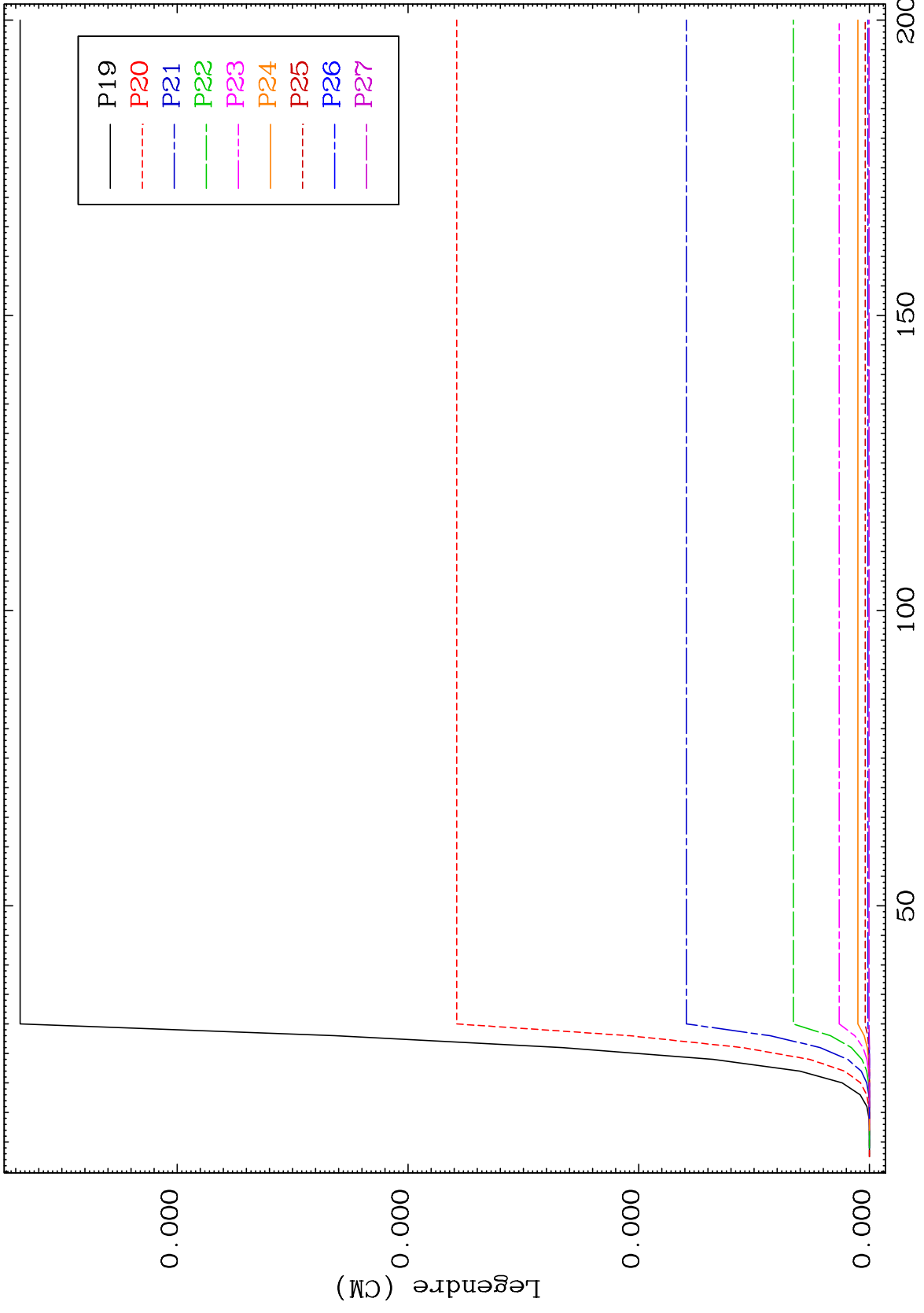
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



47

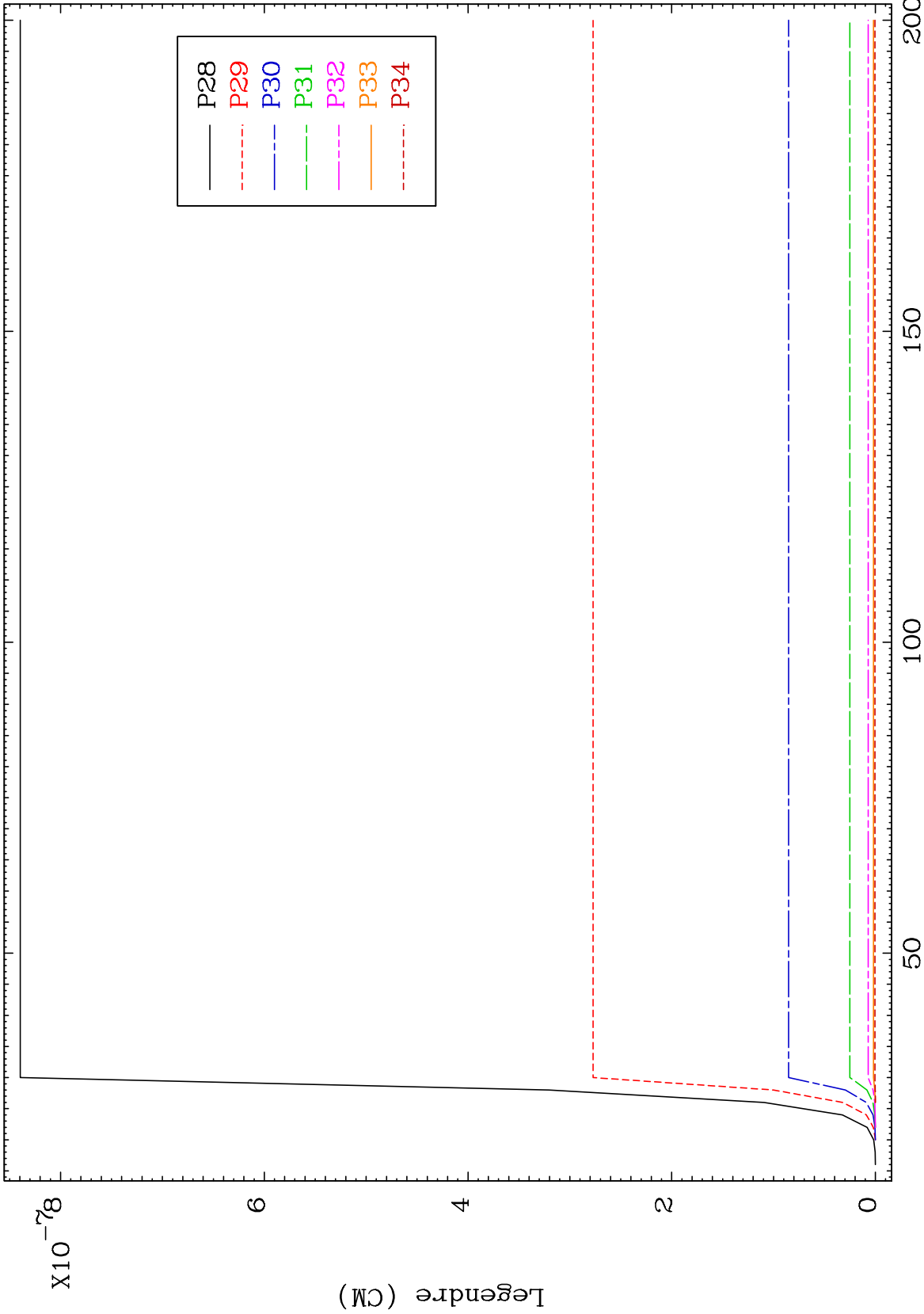
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



48

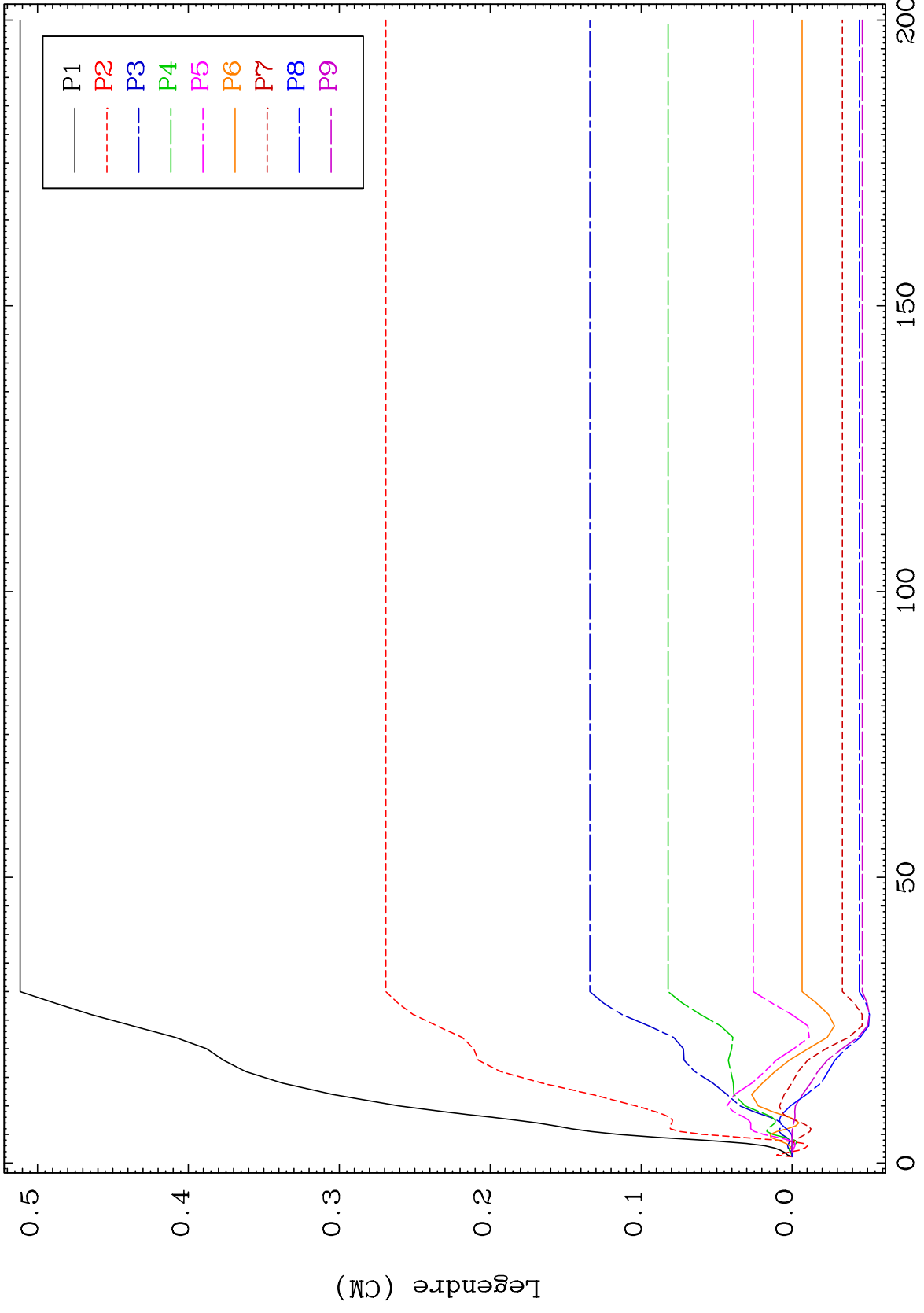
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



49

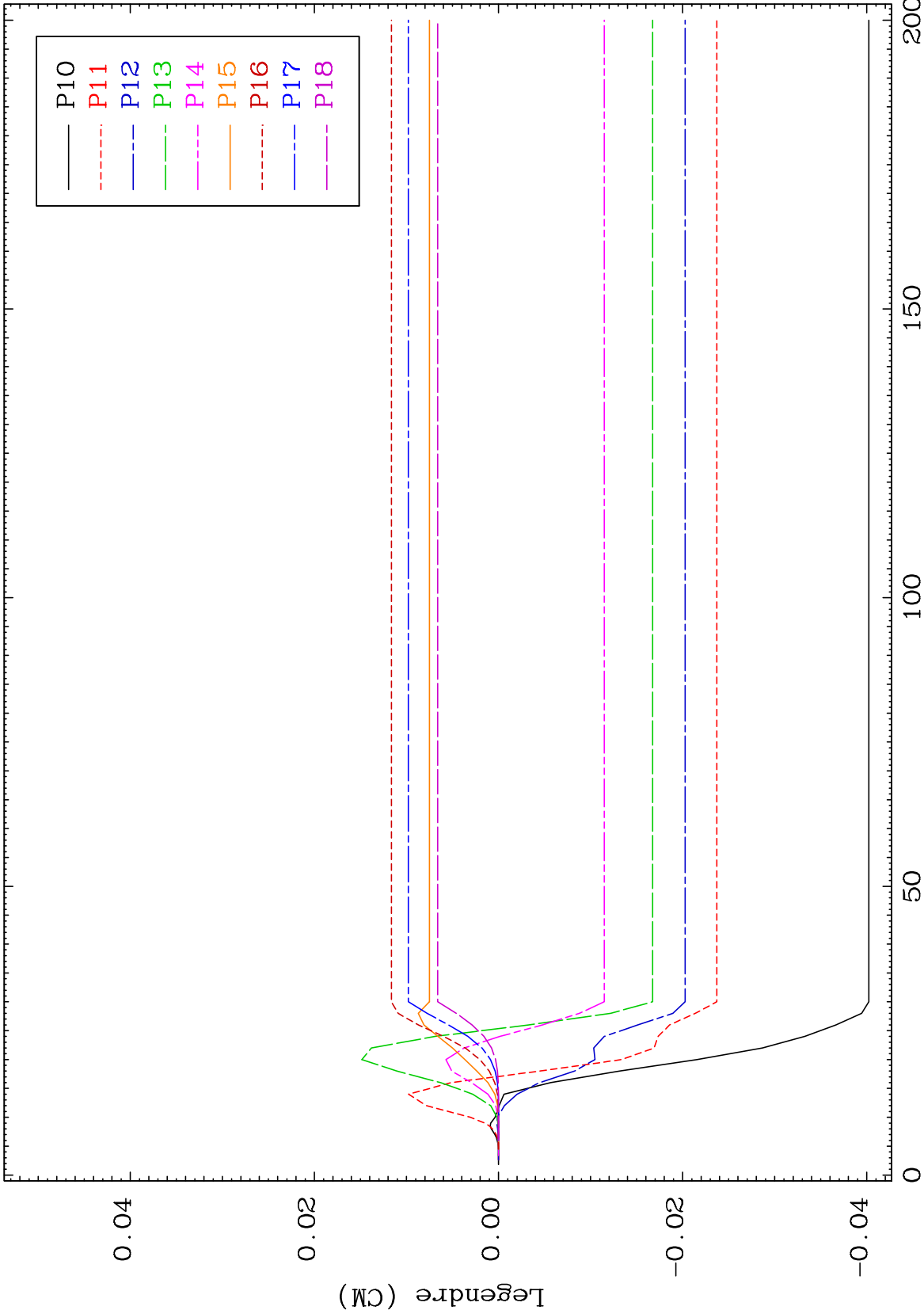
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



50

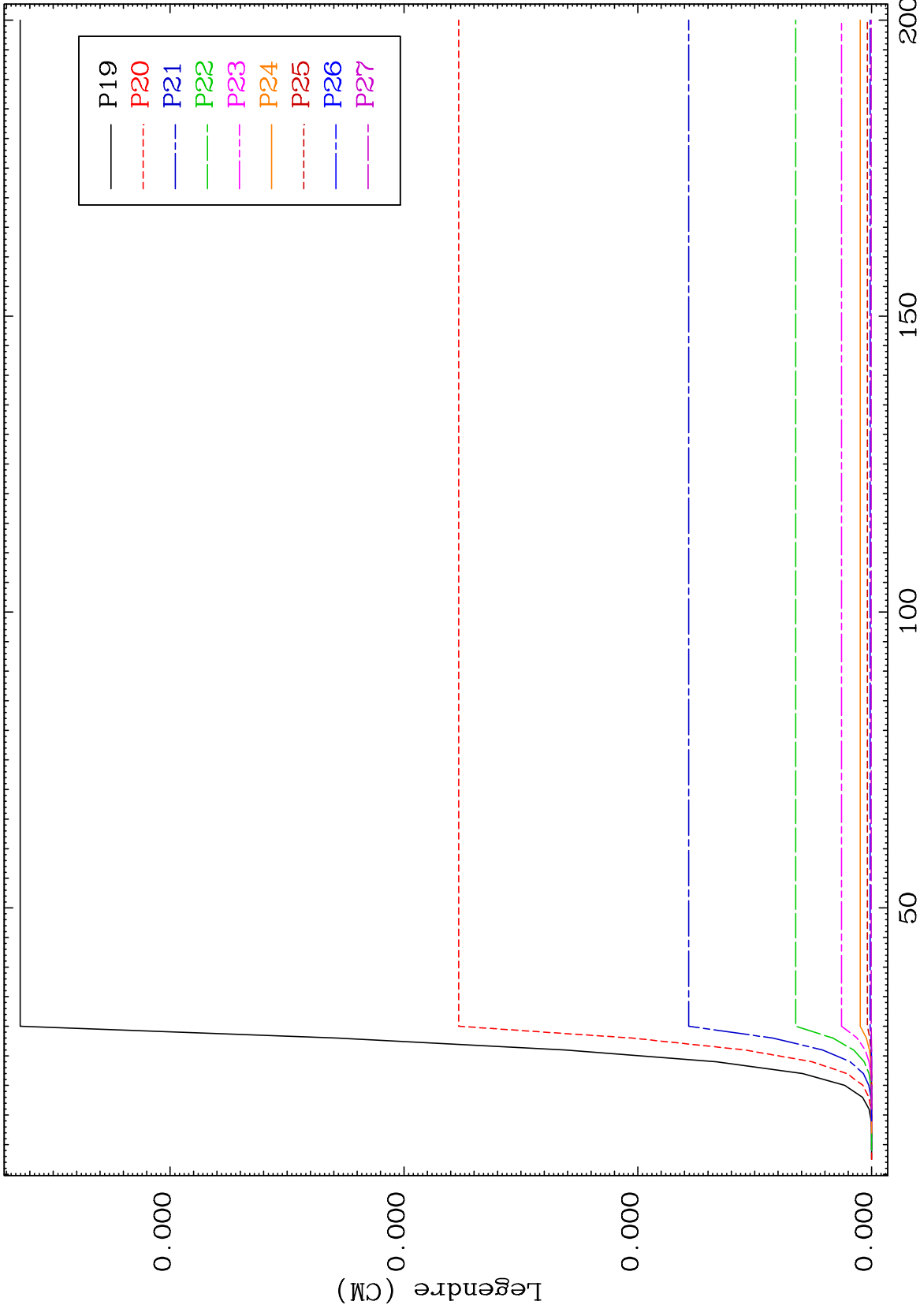
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



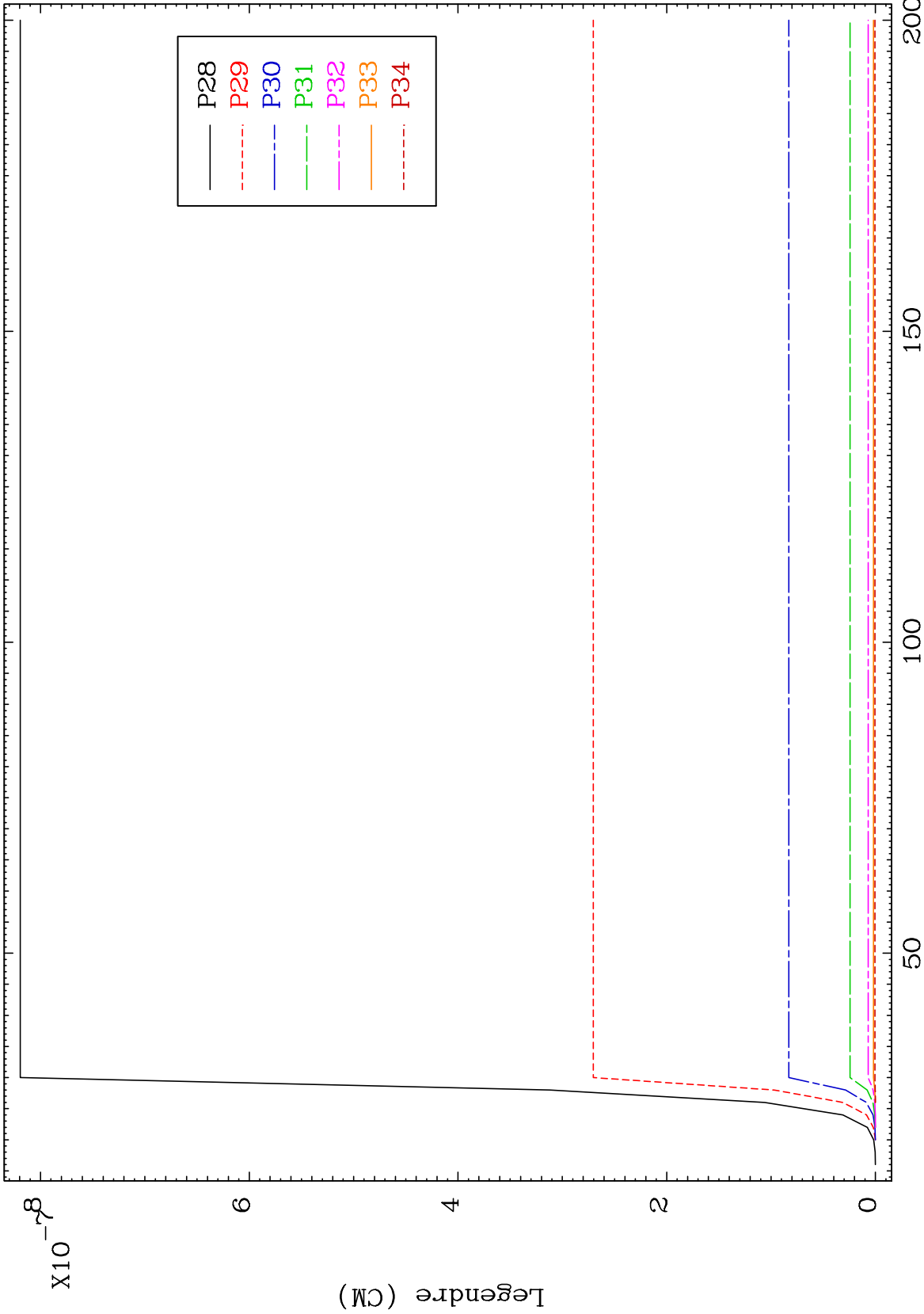
51

41-Nb-93

MAT 4125

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

41-Nb-93



52

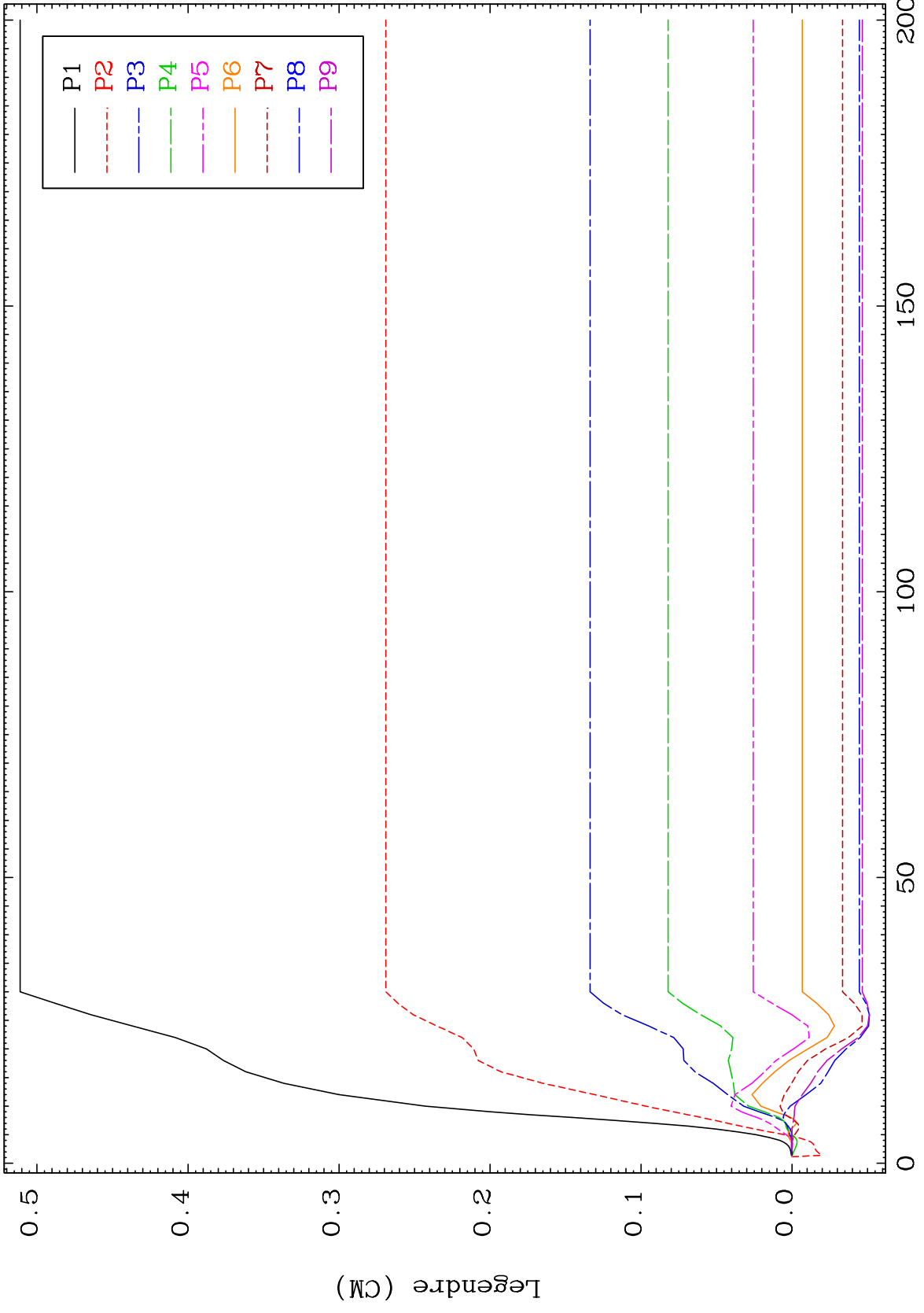
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



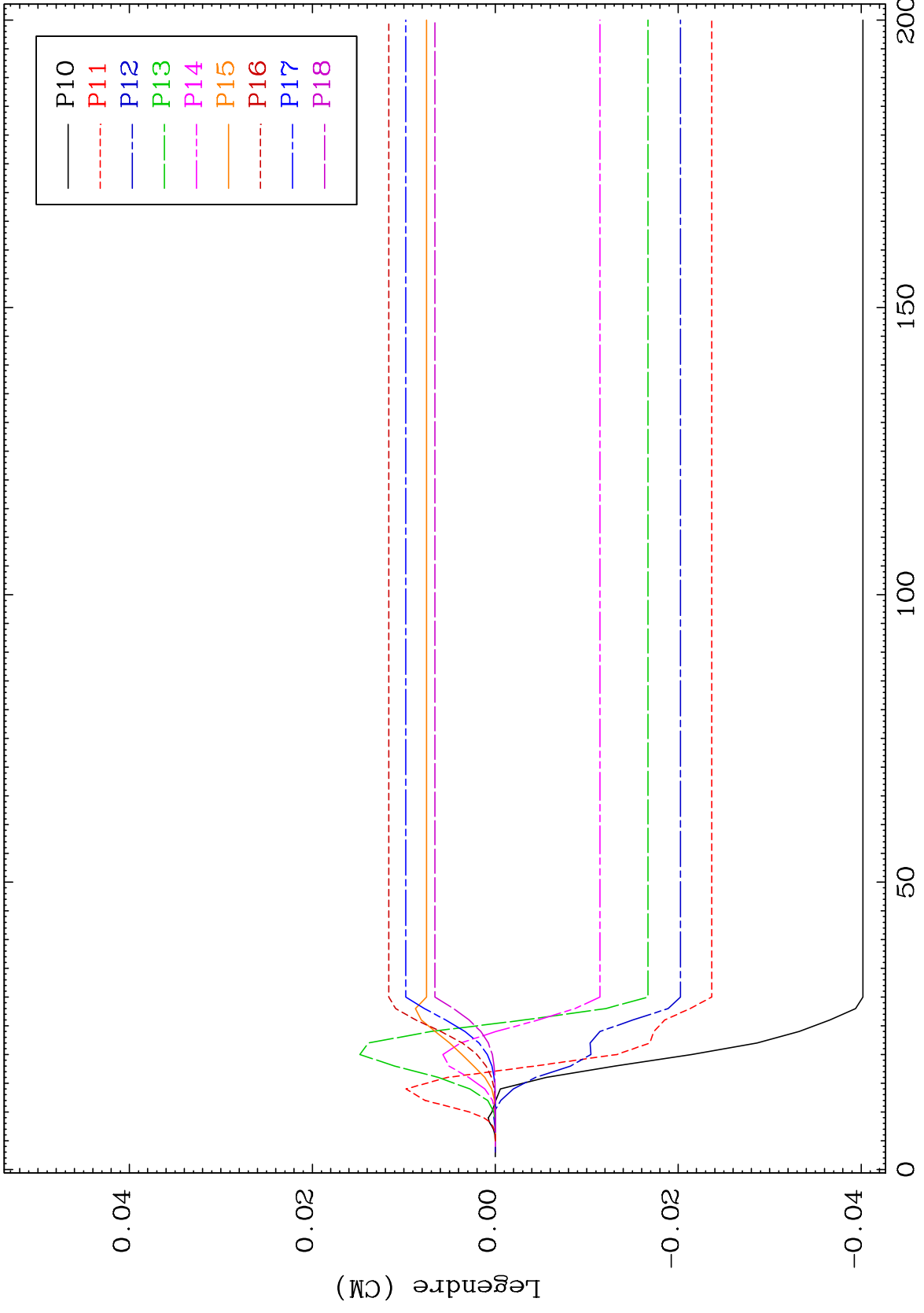
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41-Nb-93

MAT 4125

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

41-Nb-93



54

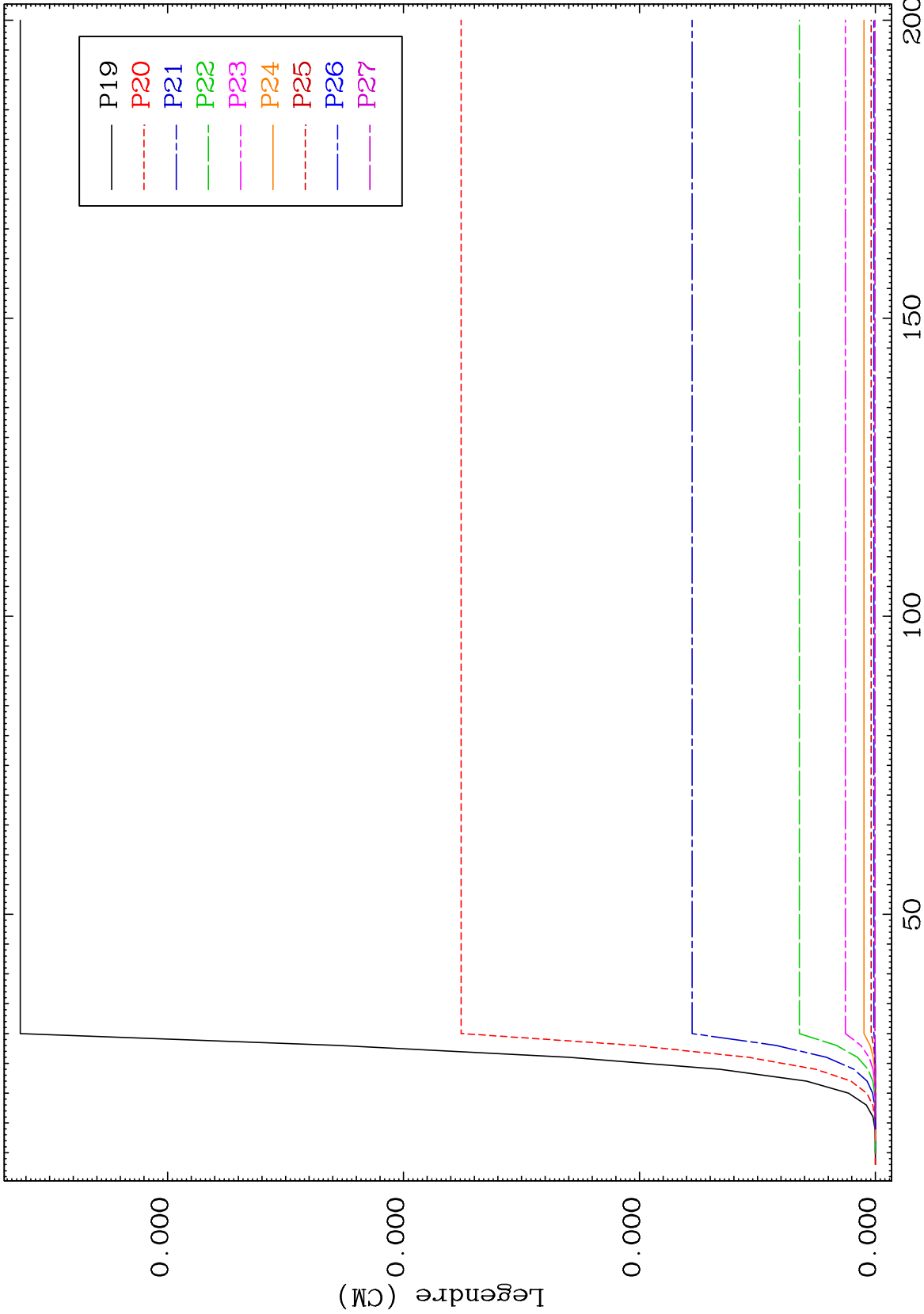
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



55

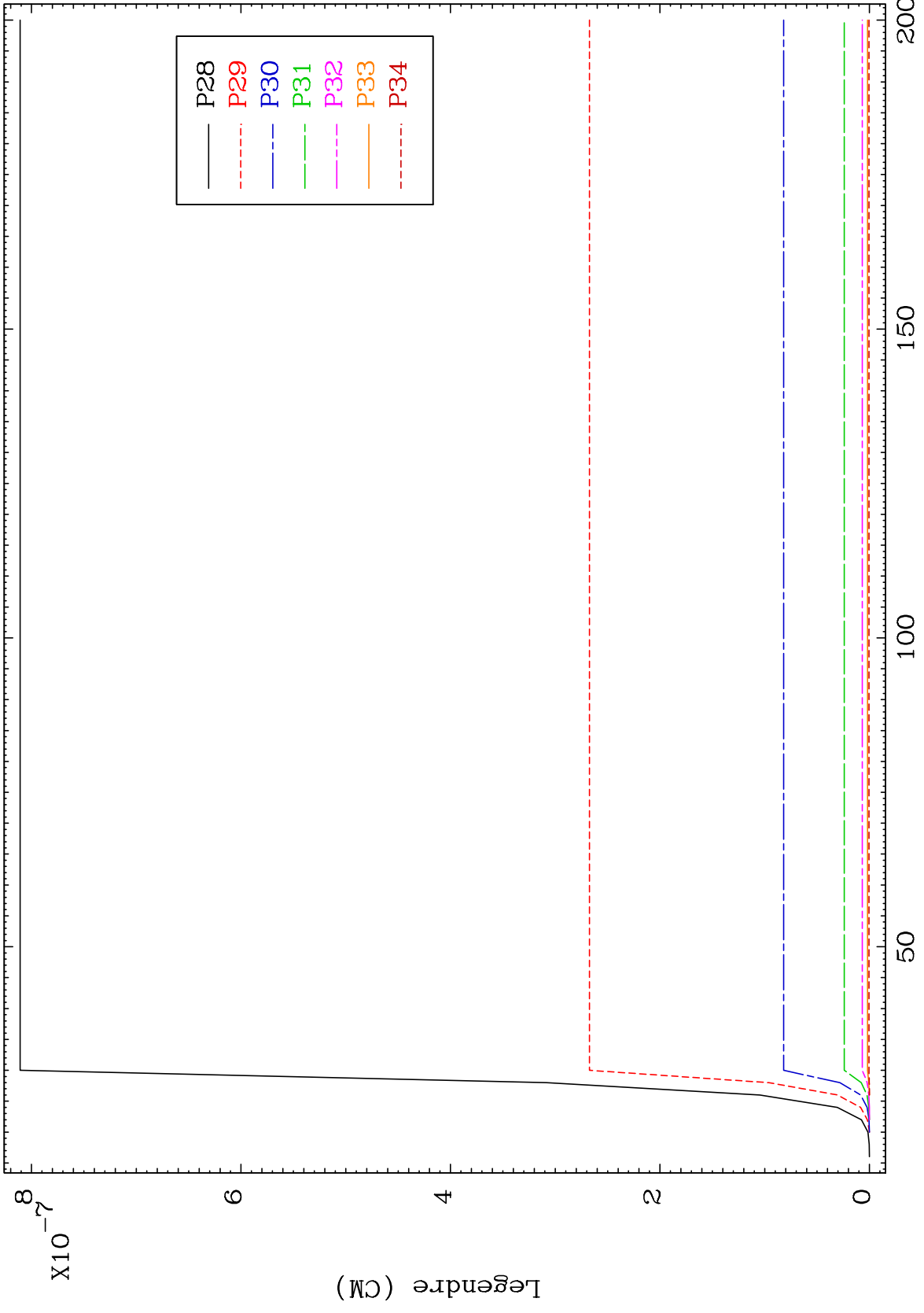
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



56

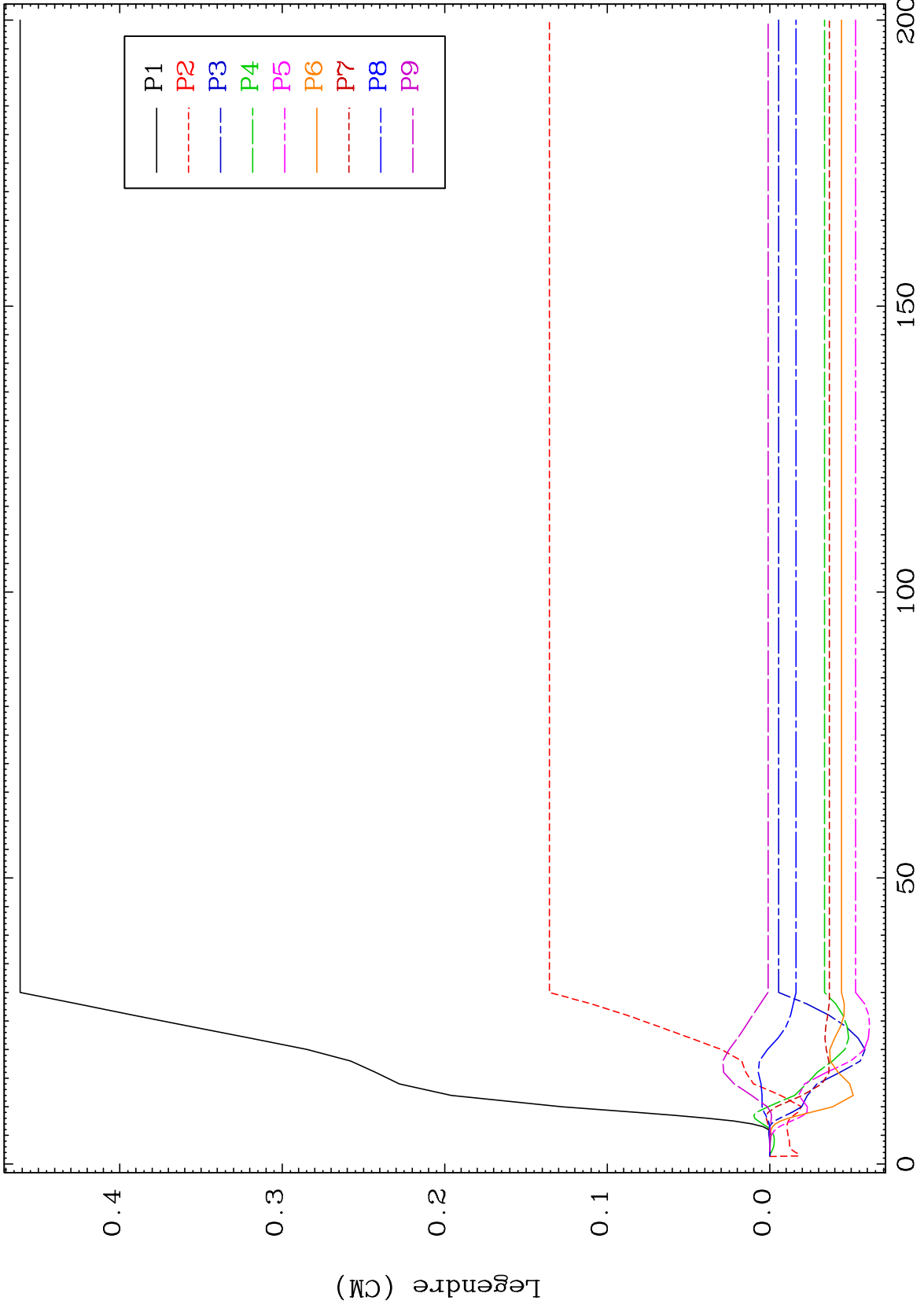
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



57

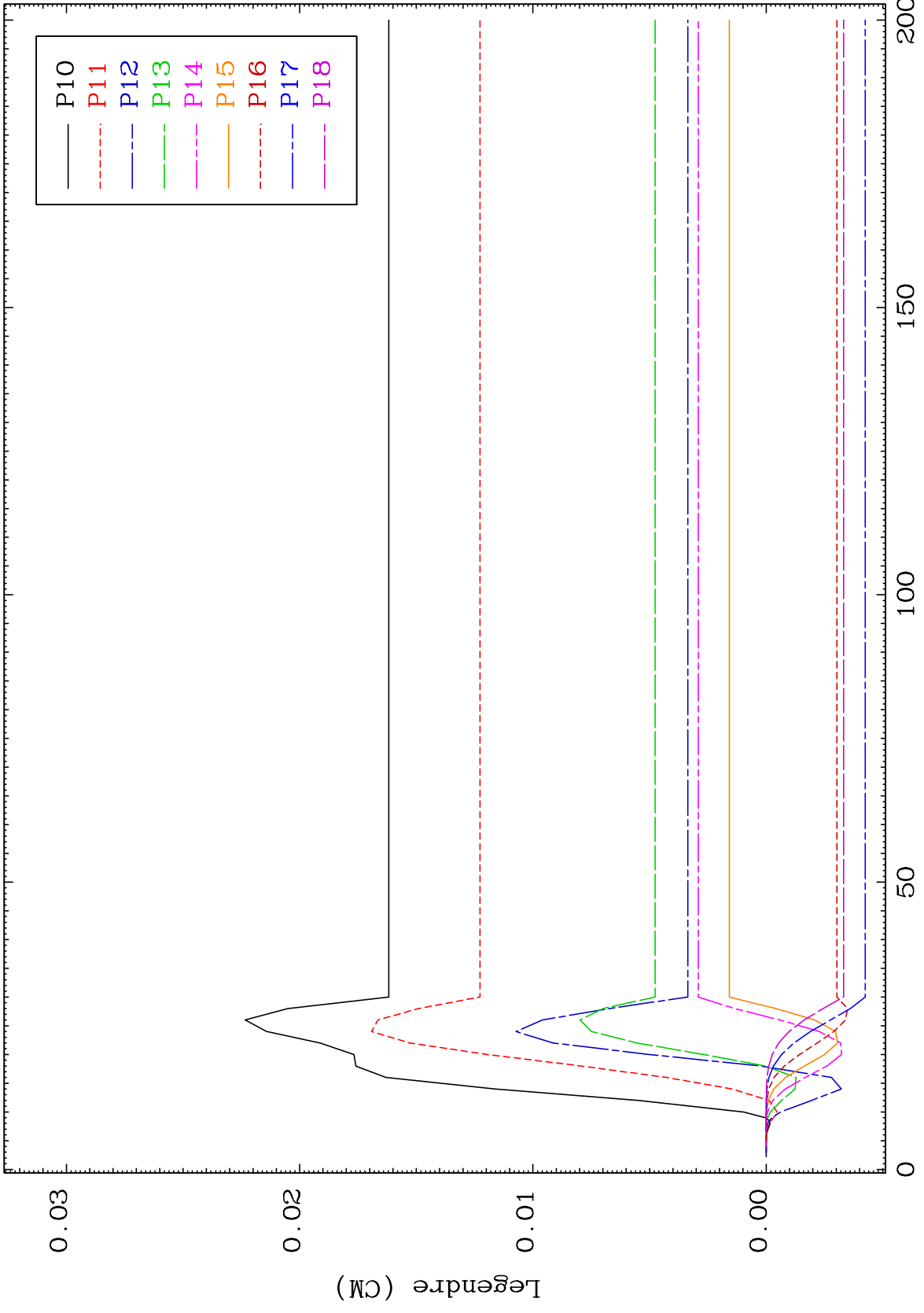
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

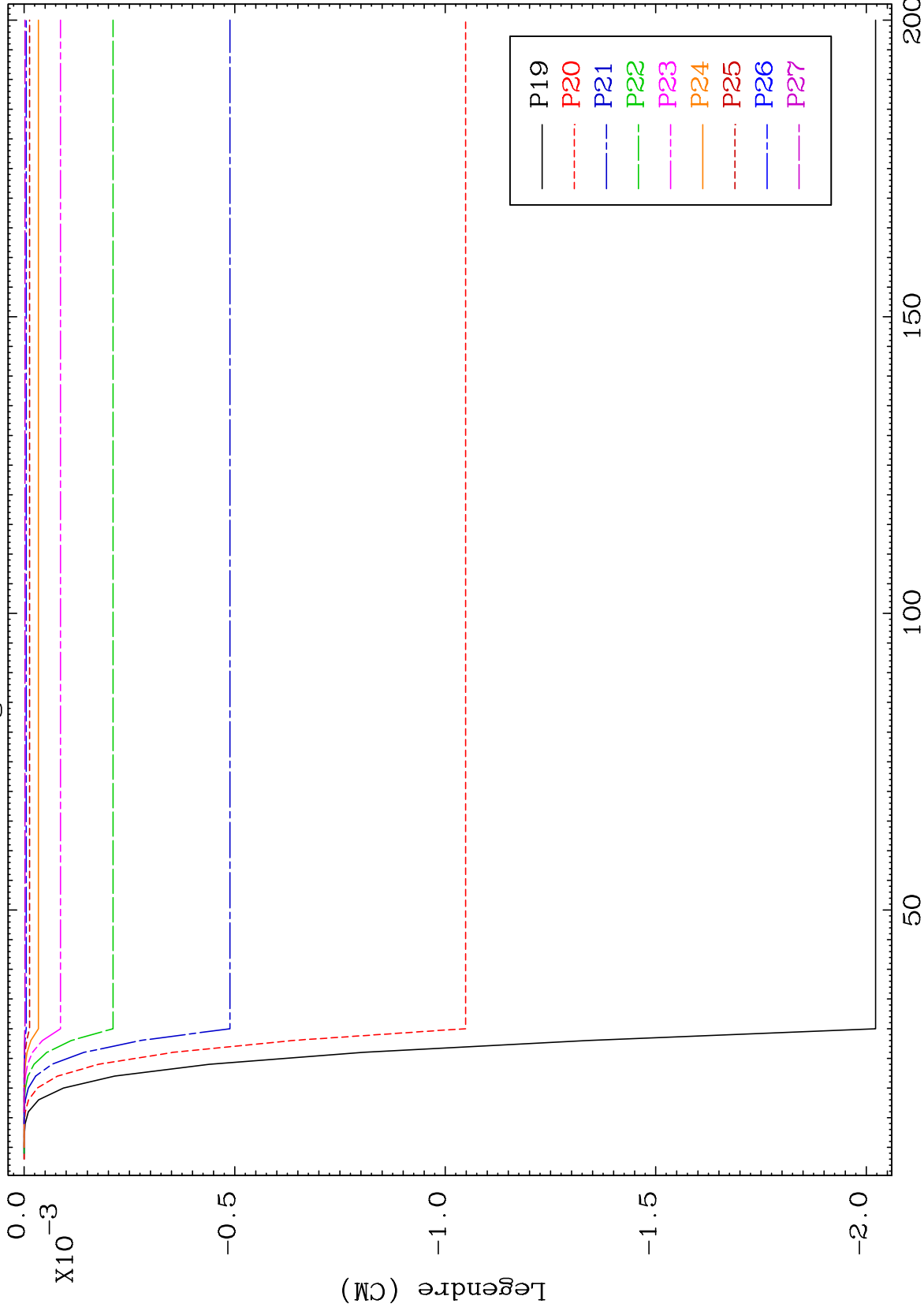
41-Nb-93



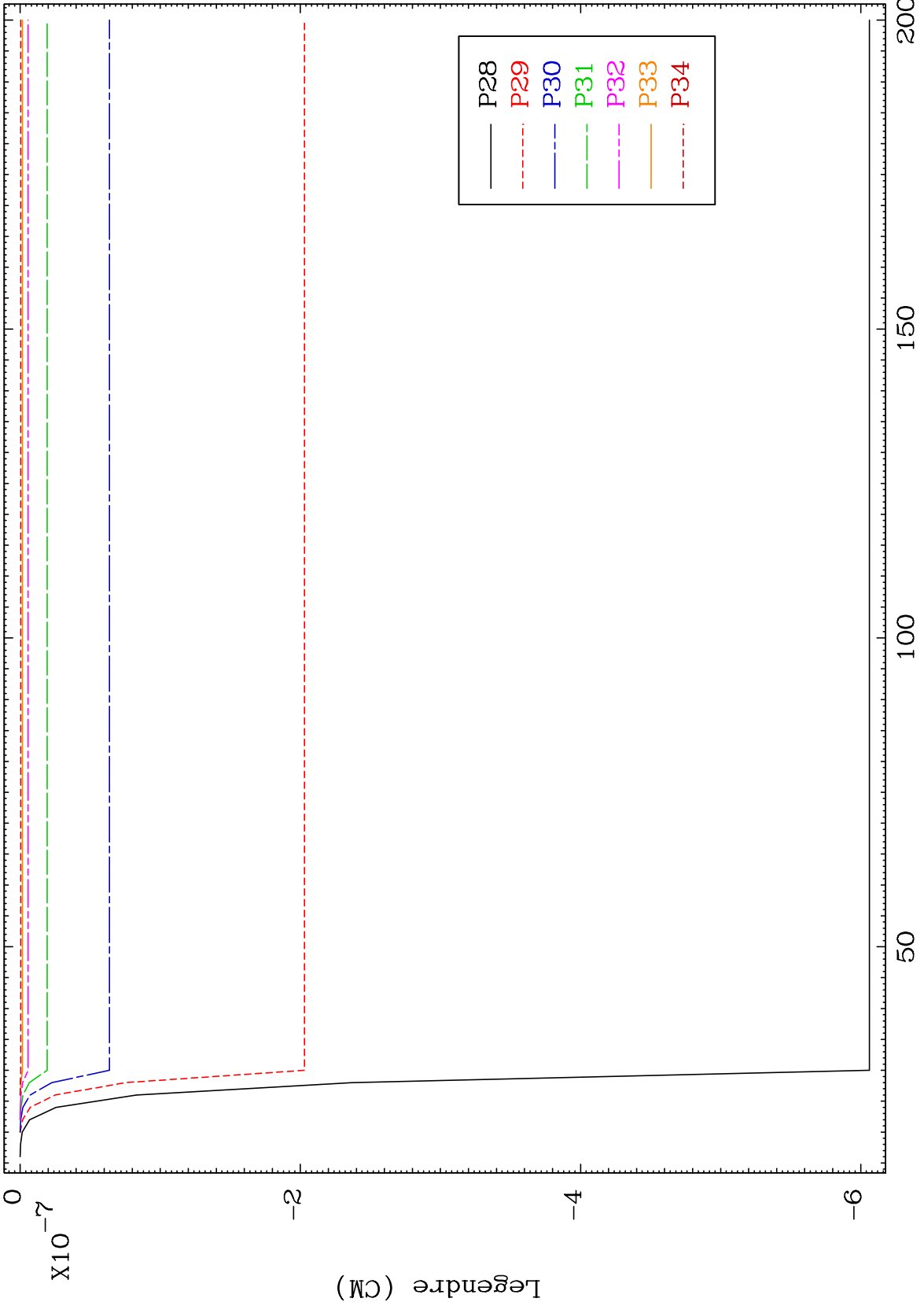
58

Incident Energy (MeV)

41-Nb-93



MAT 4125 MT= 61 (n,n') Level Legendre Coefficients 41-Nb-93

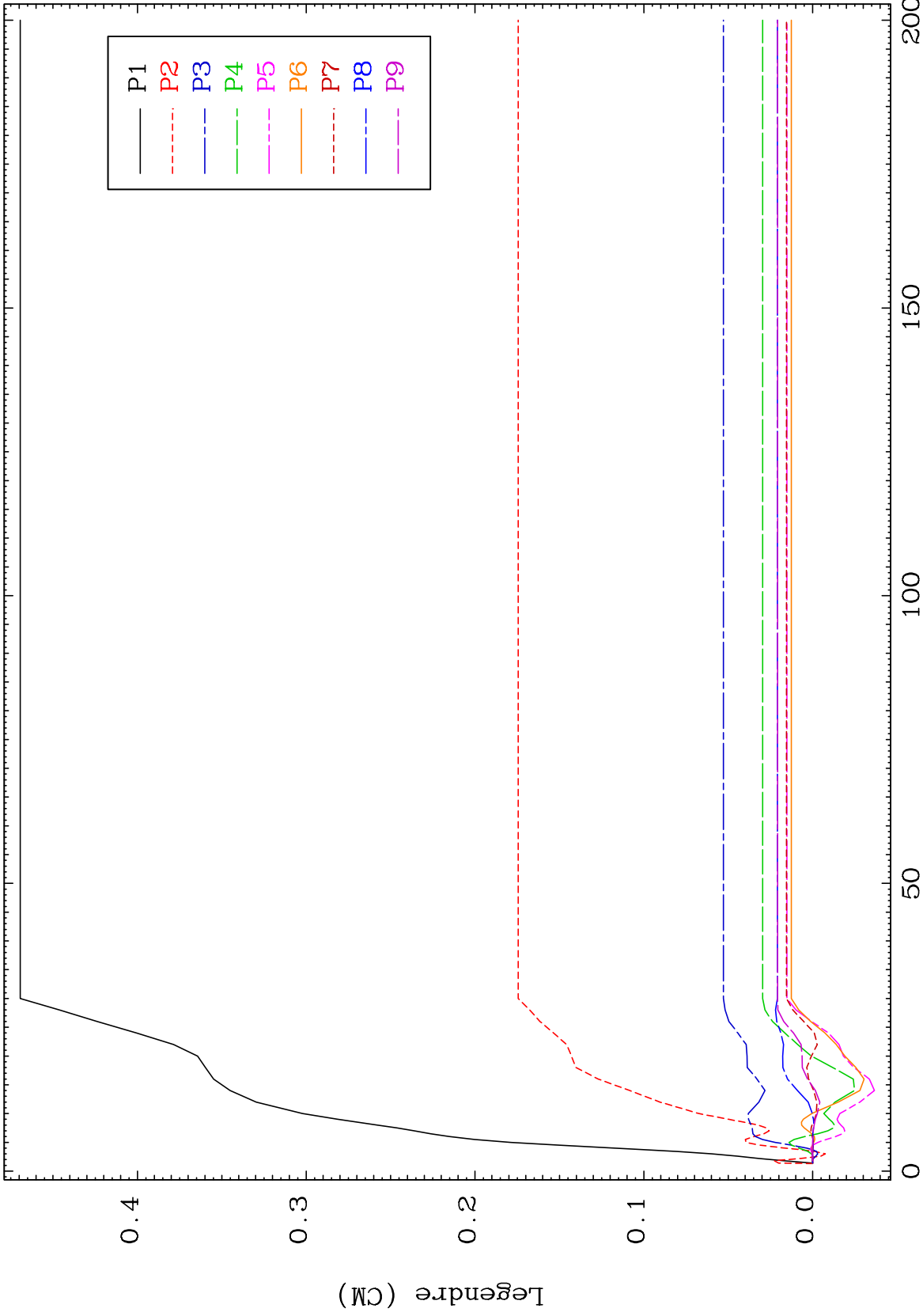


60 50 100 150 200 Incident Energy (MeV) 41-Nb-93

MAT 4125

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

41-Nb-93



61

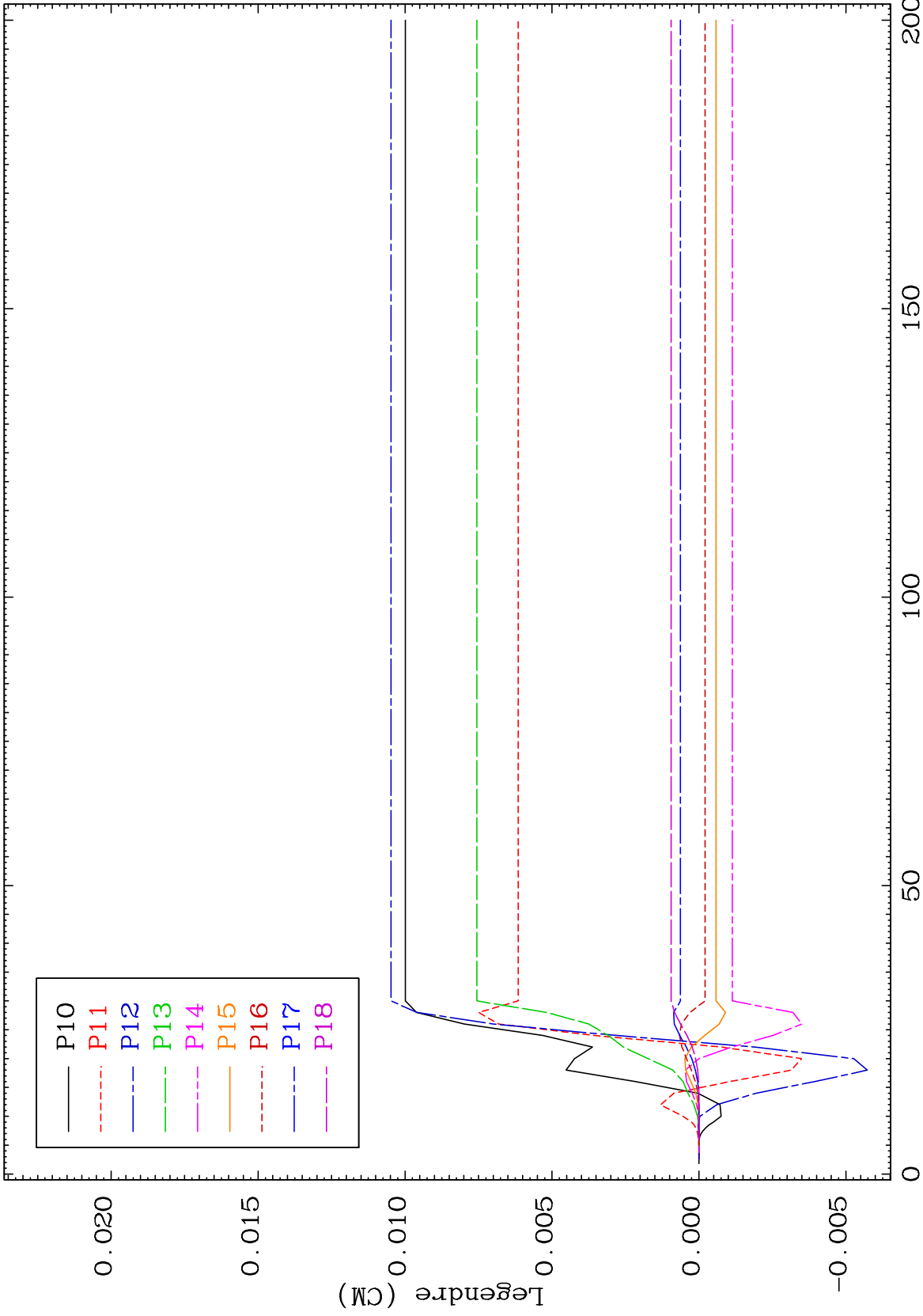
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



62

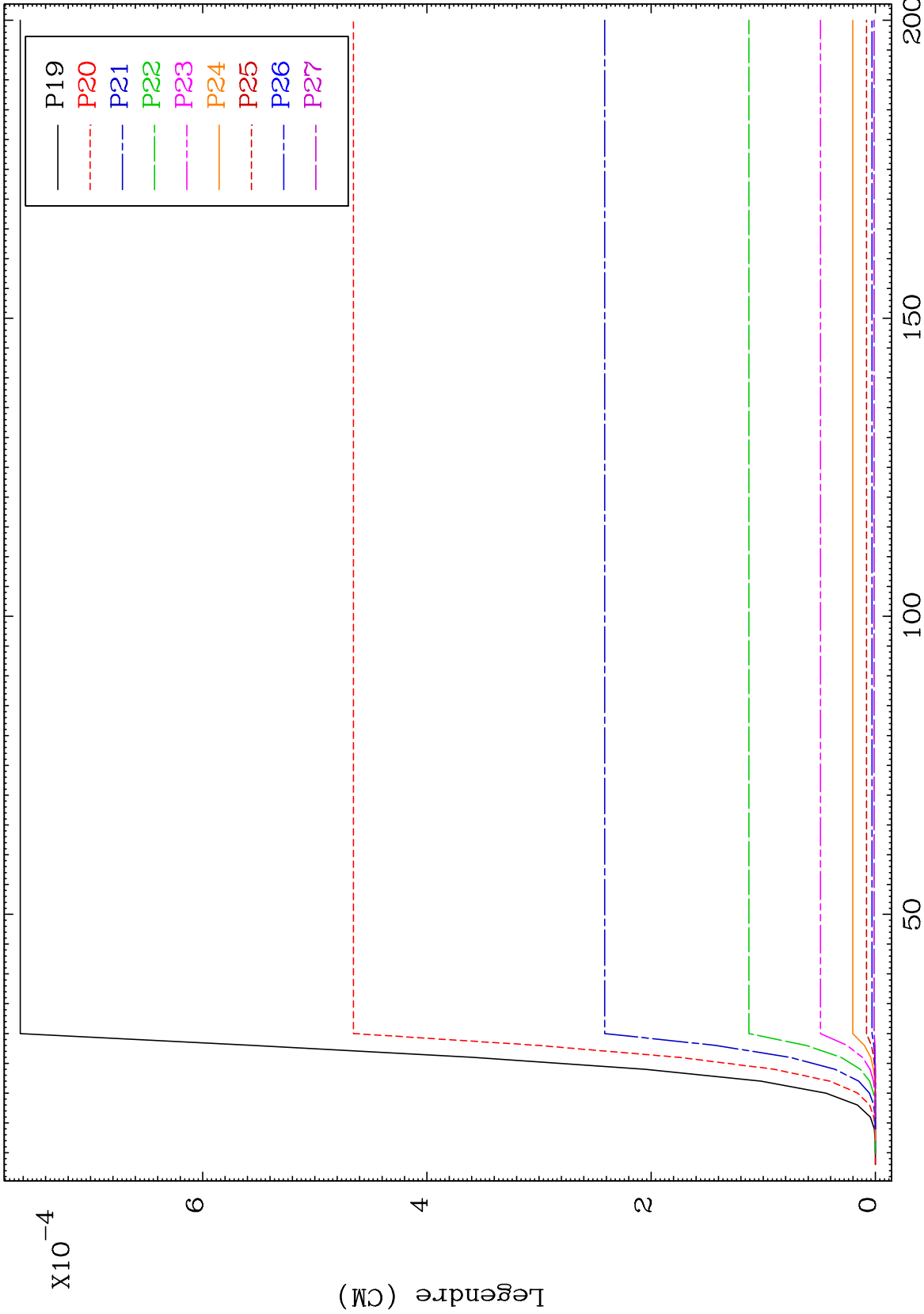
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



63

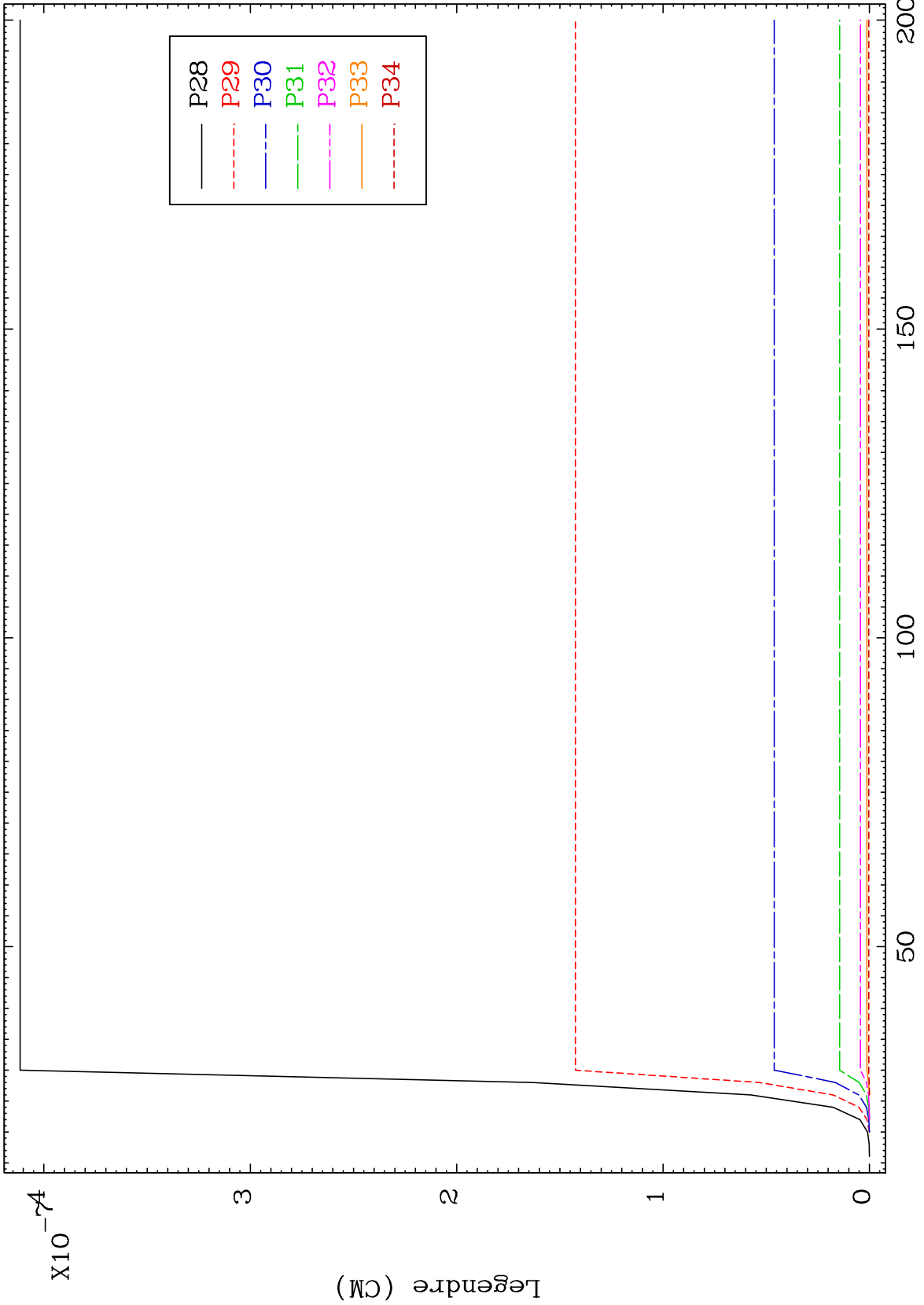
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



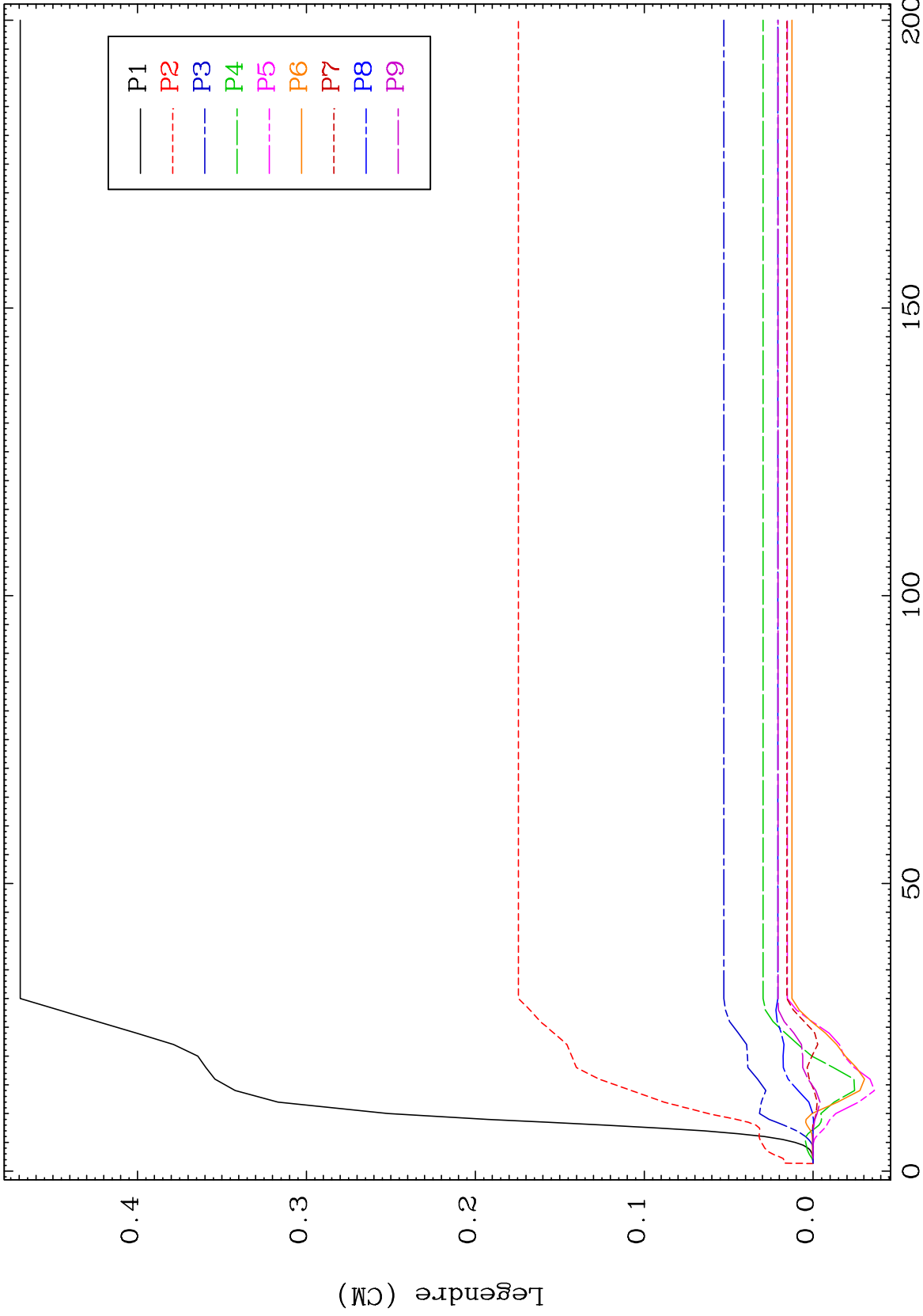
64

41-Nb-93

MAT 4125

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

41-Nb-93



65

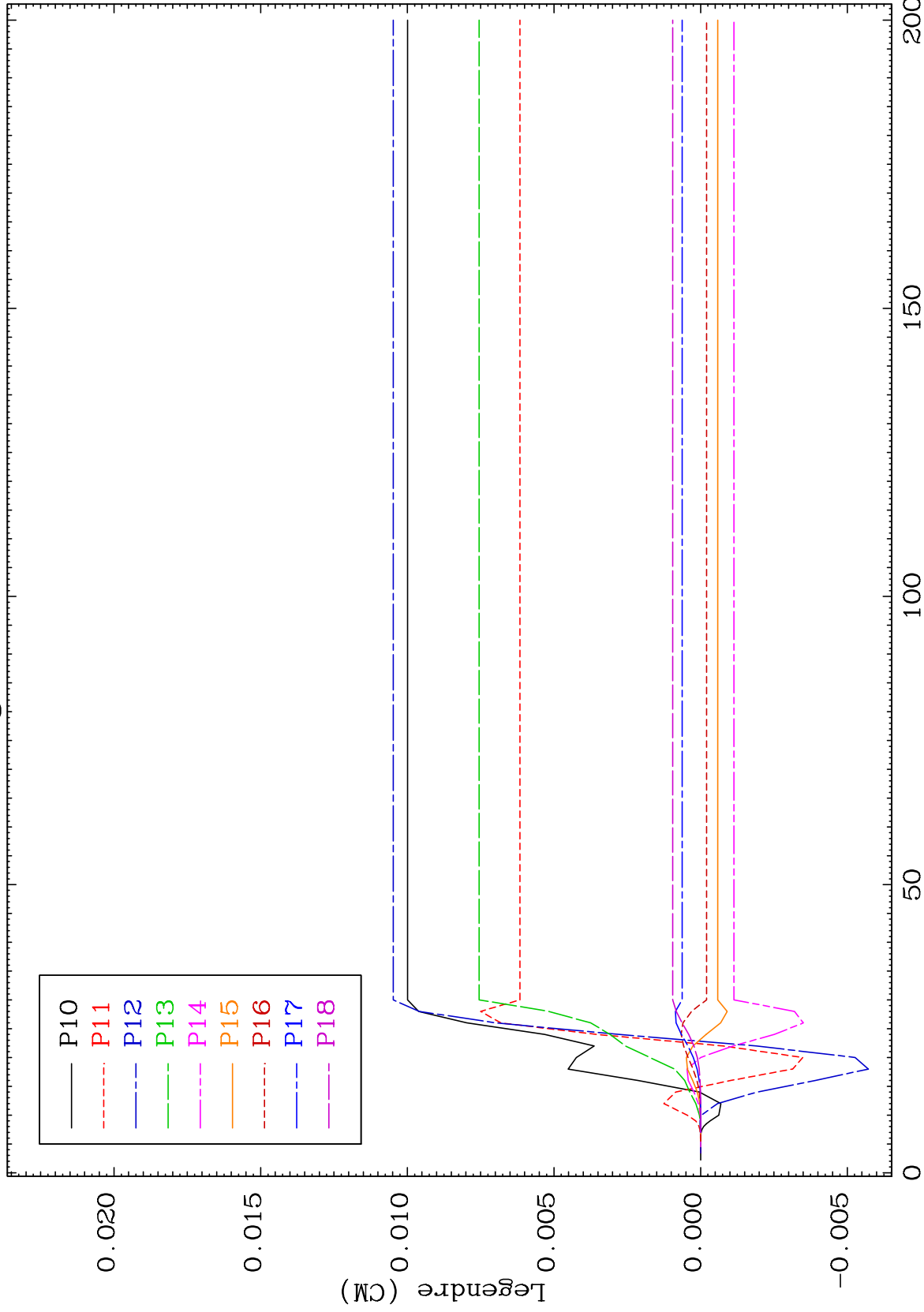
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



66

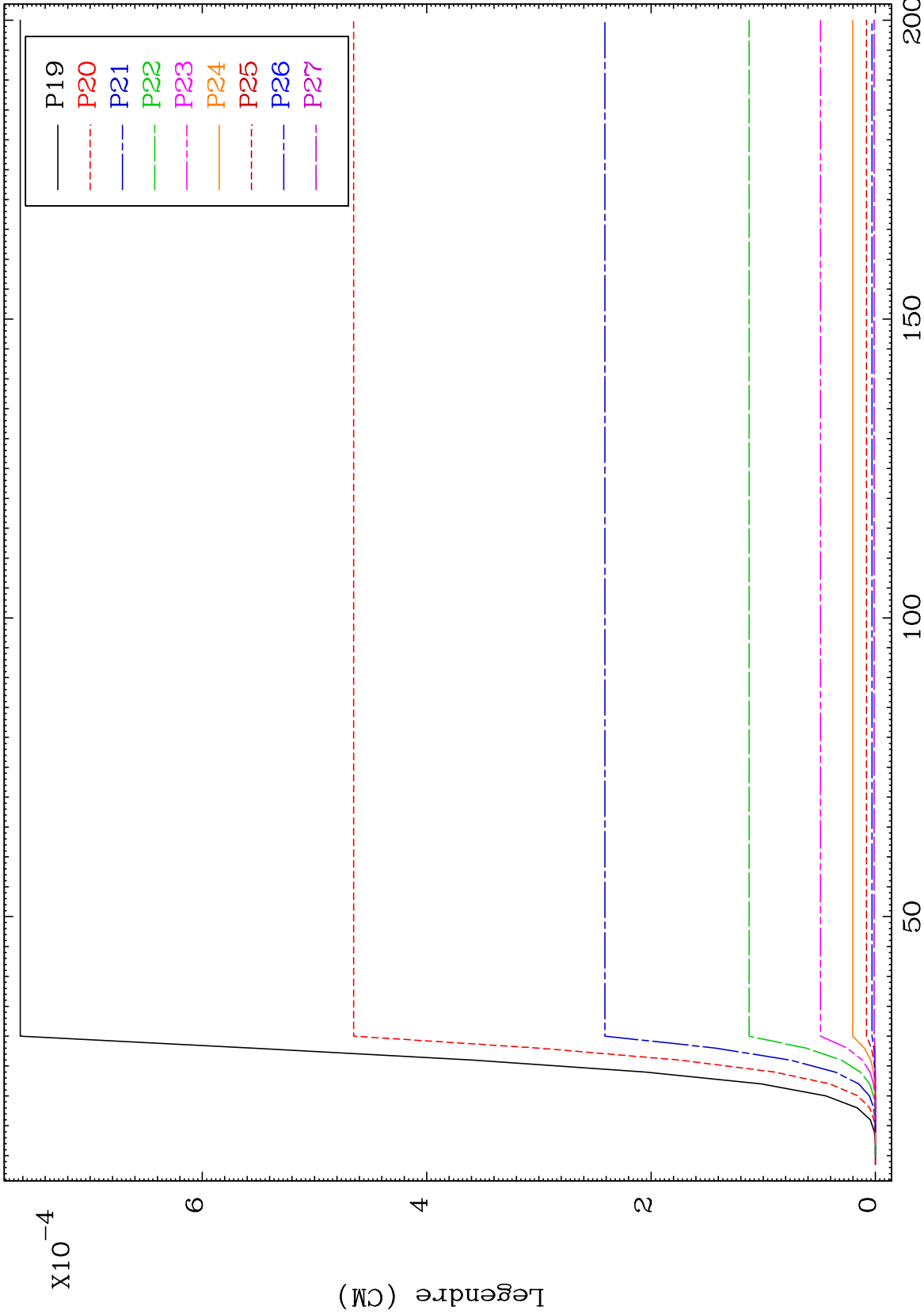
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



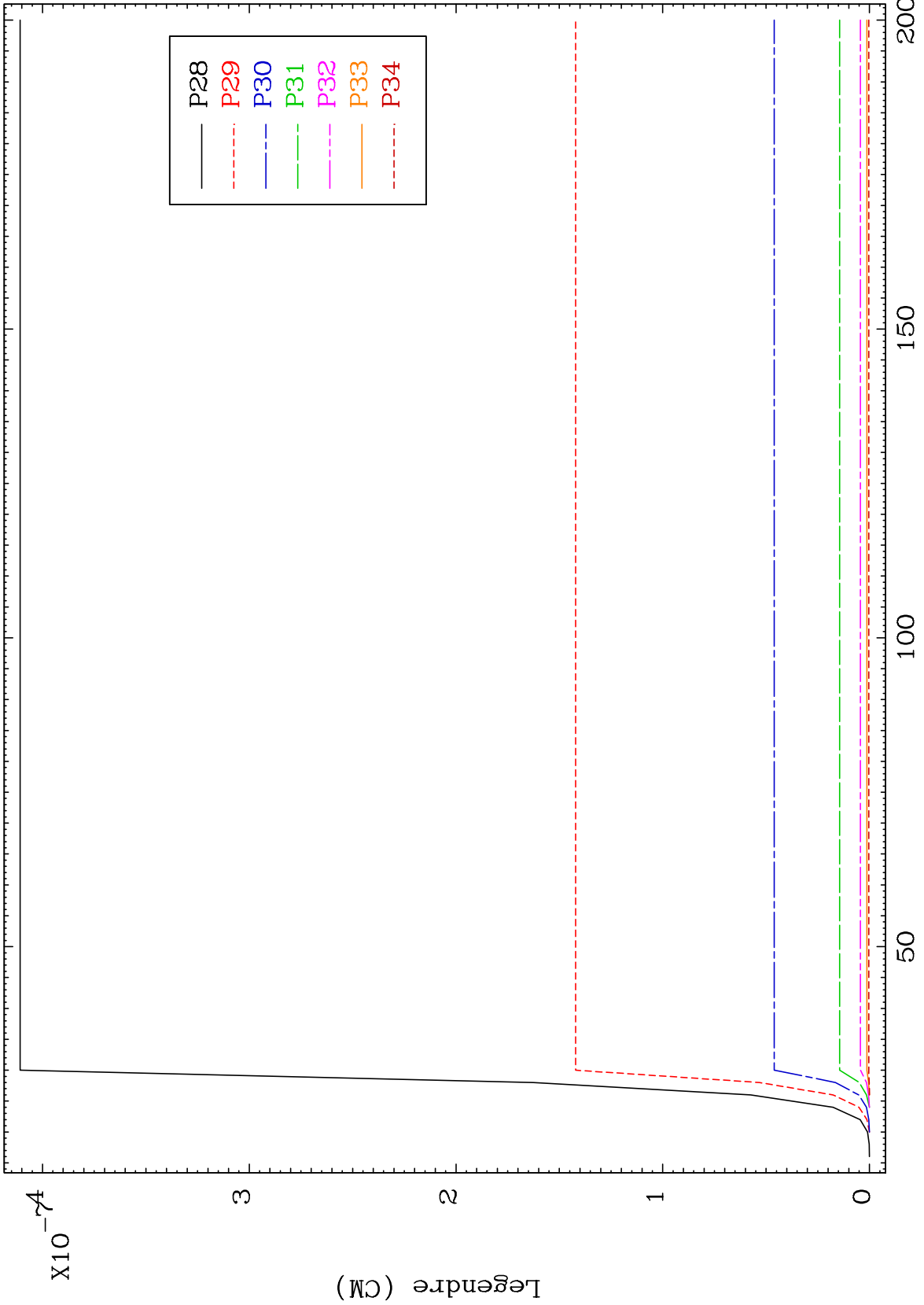
67

41-Nb-93

MAT 4125

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

41-Nb-93



68

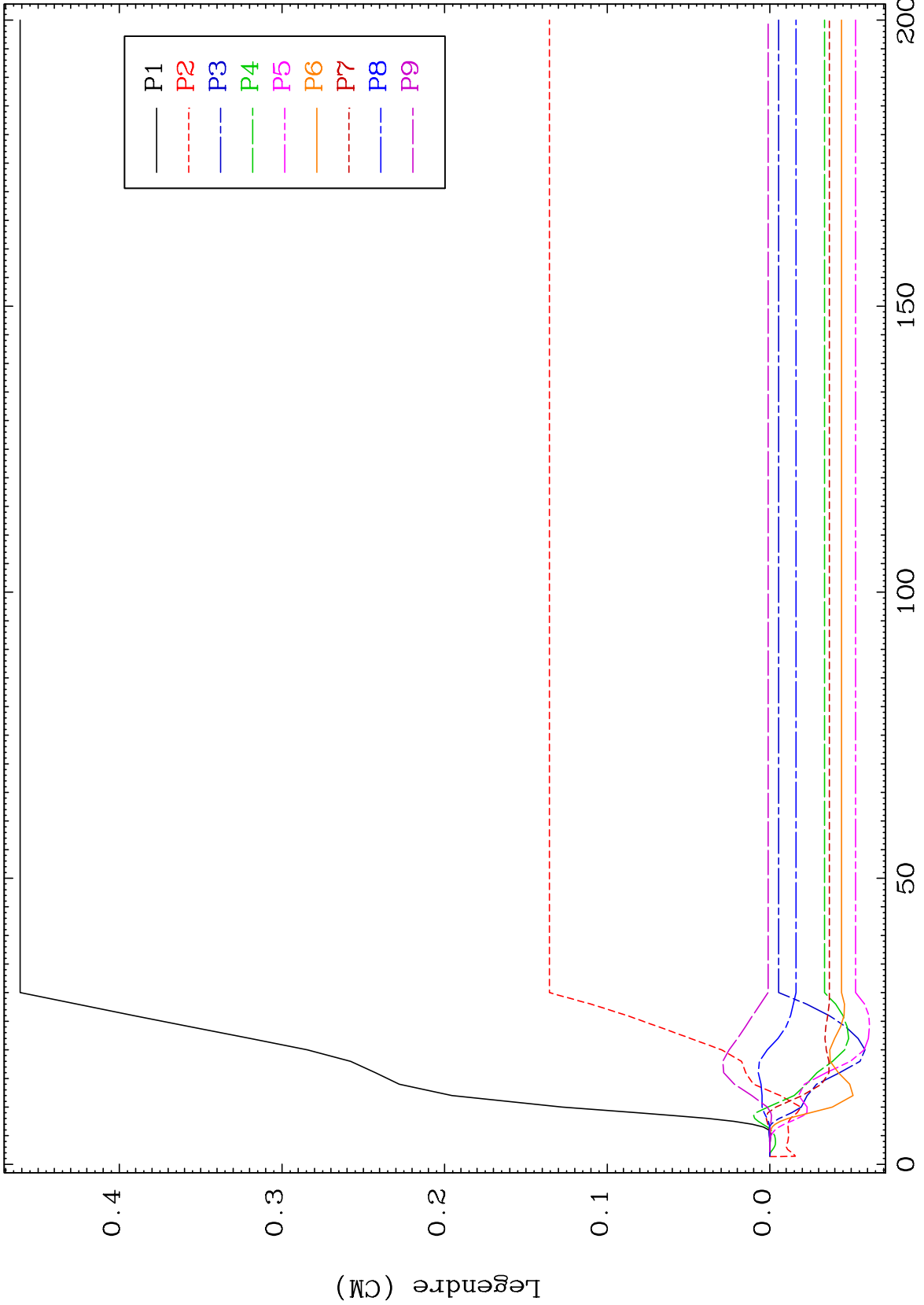
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



69

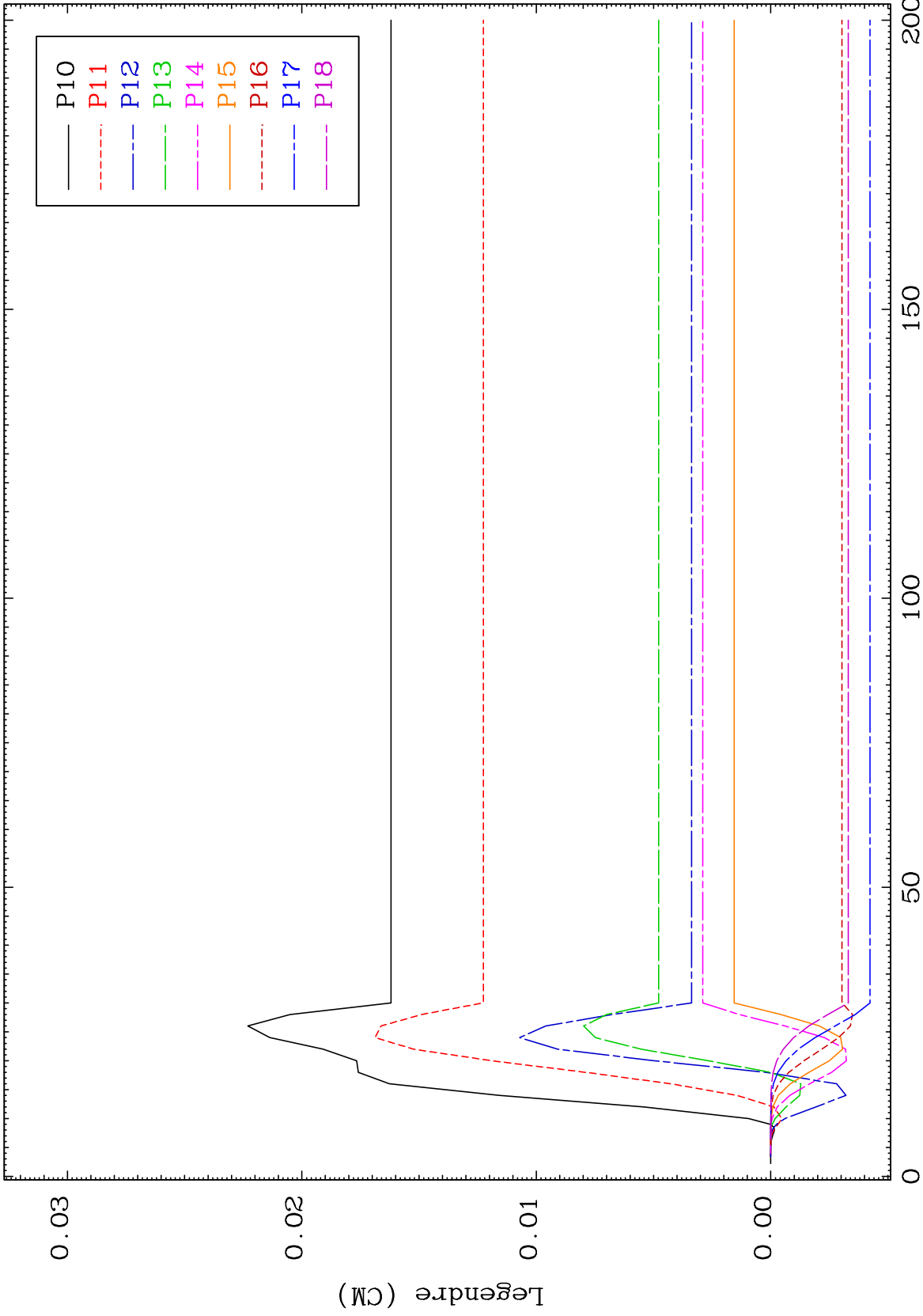
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



70

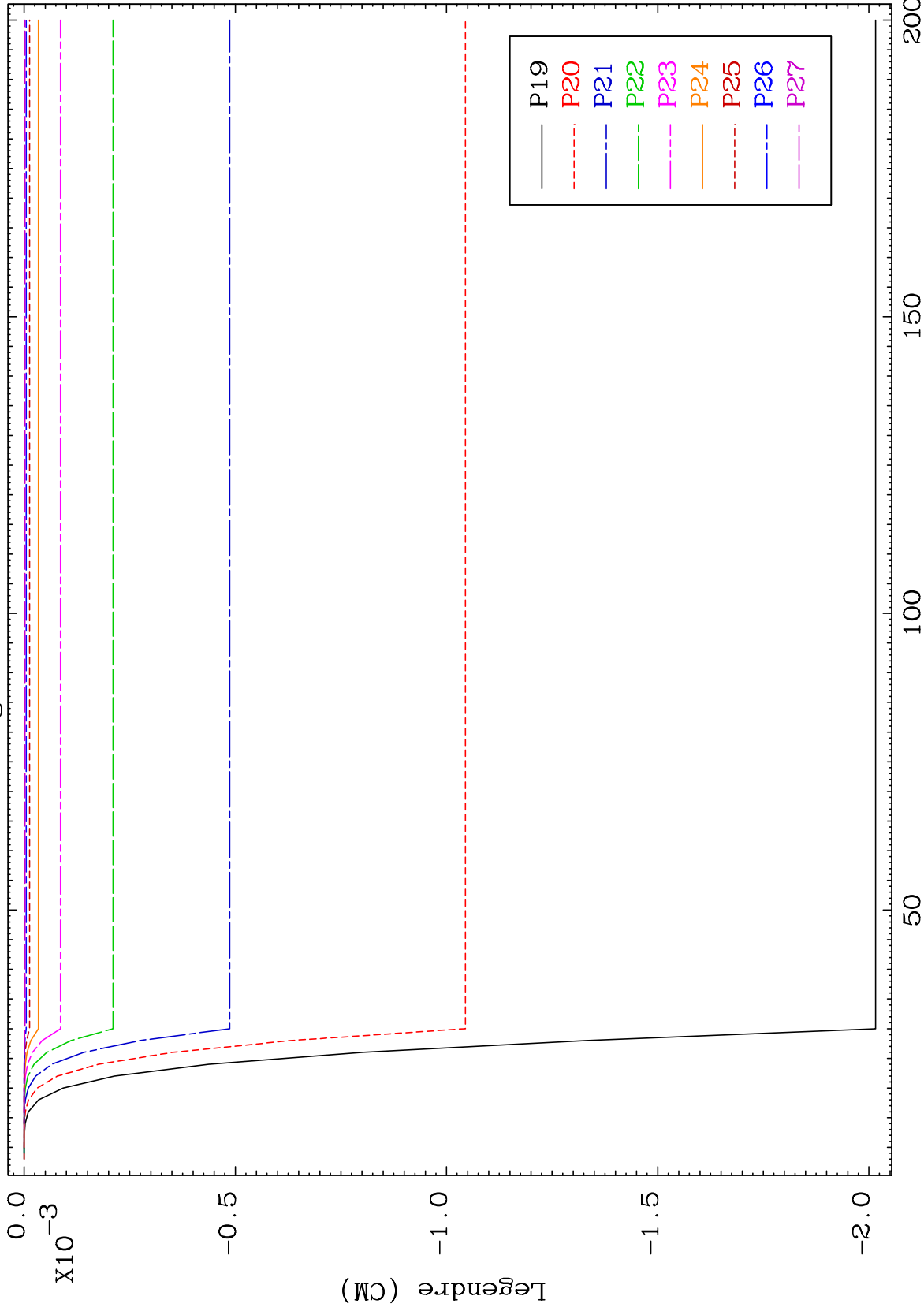
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

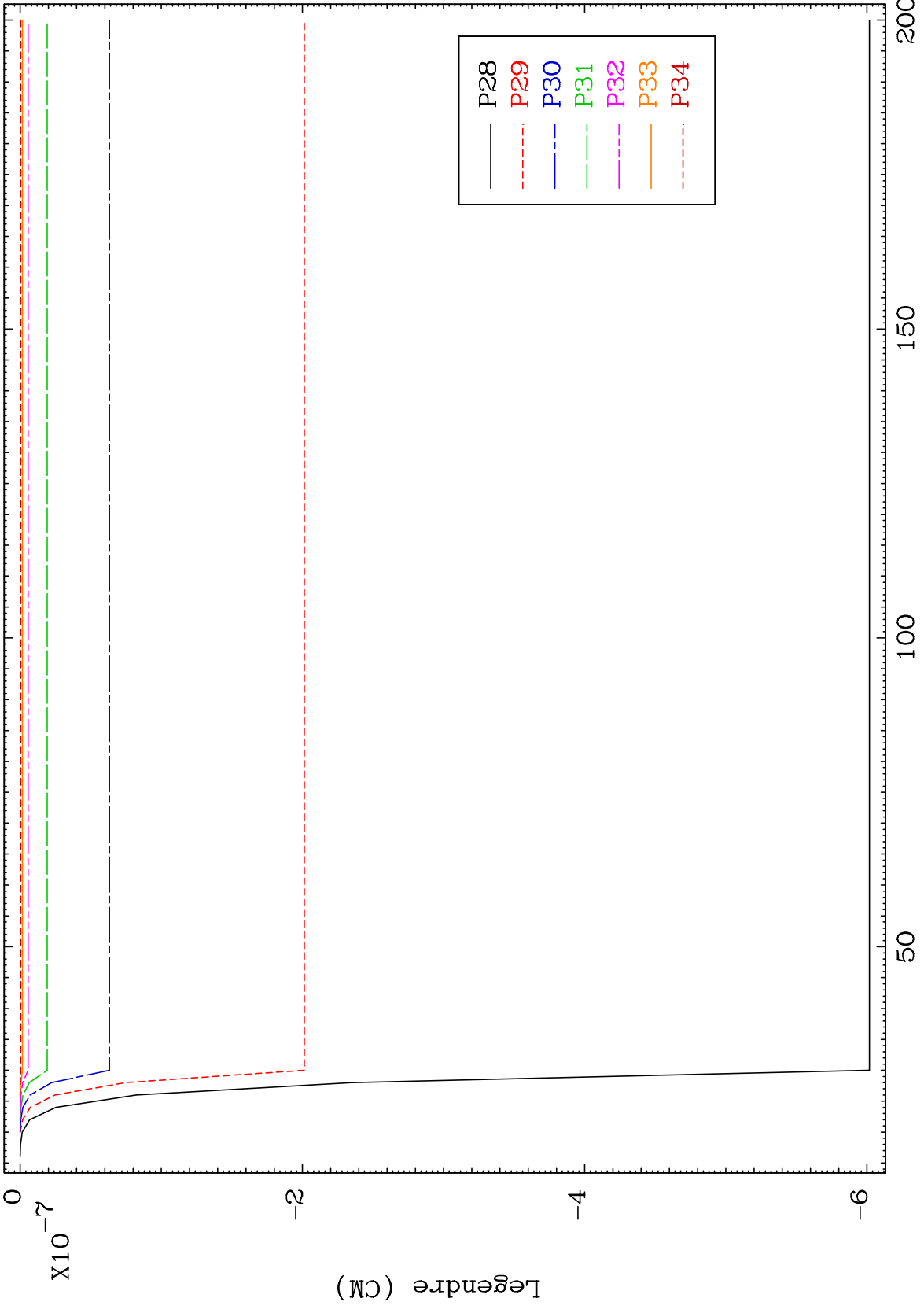
41-Nb-93



71

41-Nb-93

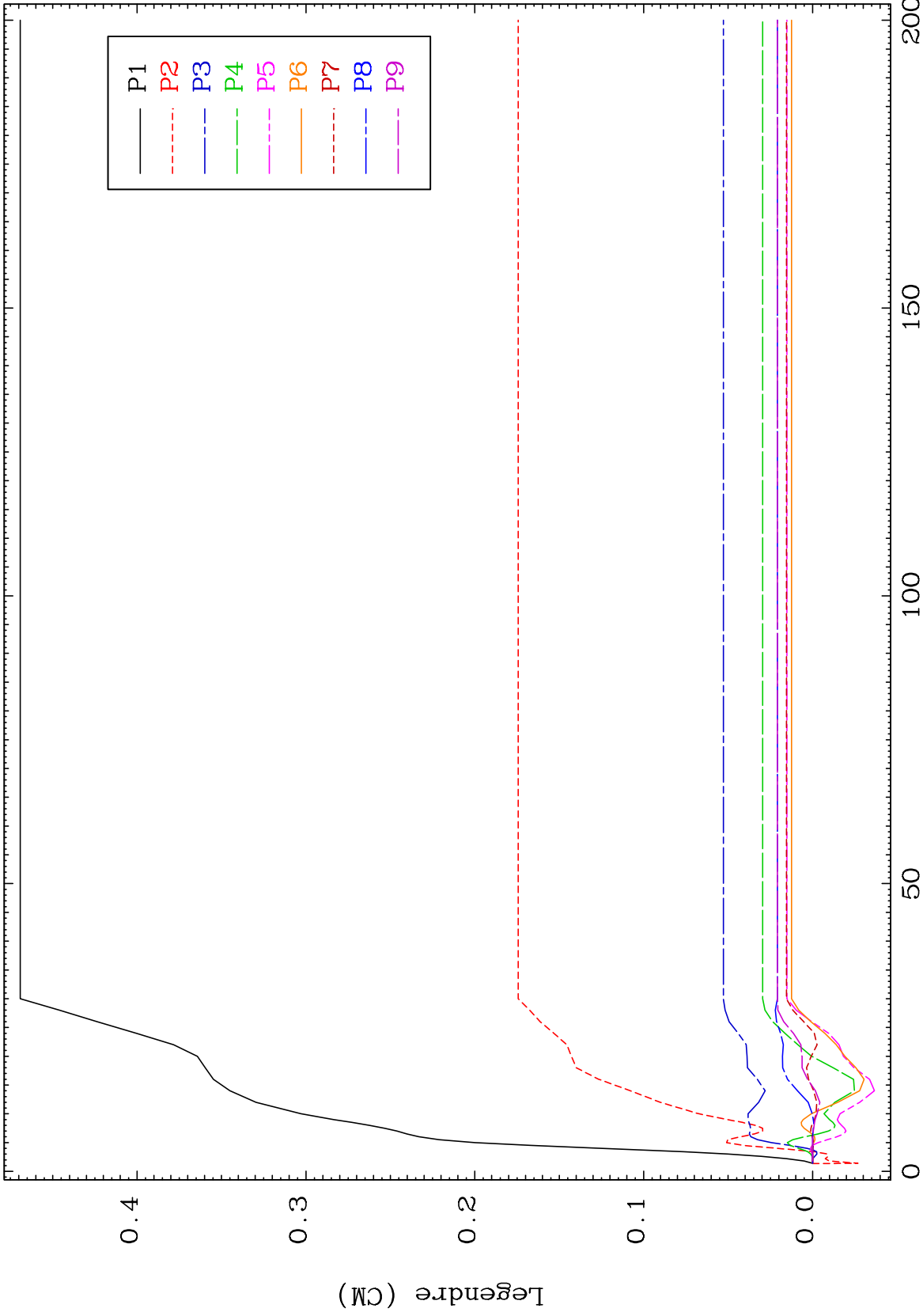
MAT 4125 MT= 64 (n,n') Level Legendre Coefficients 41-Nb-93



MAT 4125

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

41-Nb-93



73

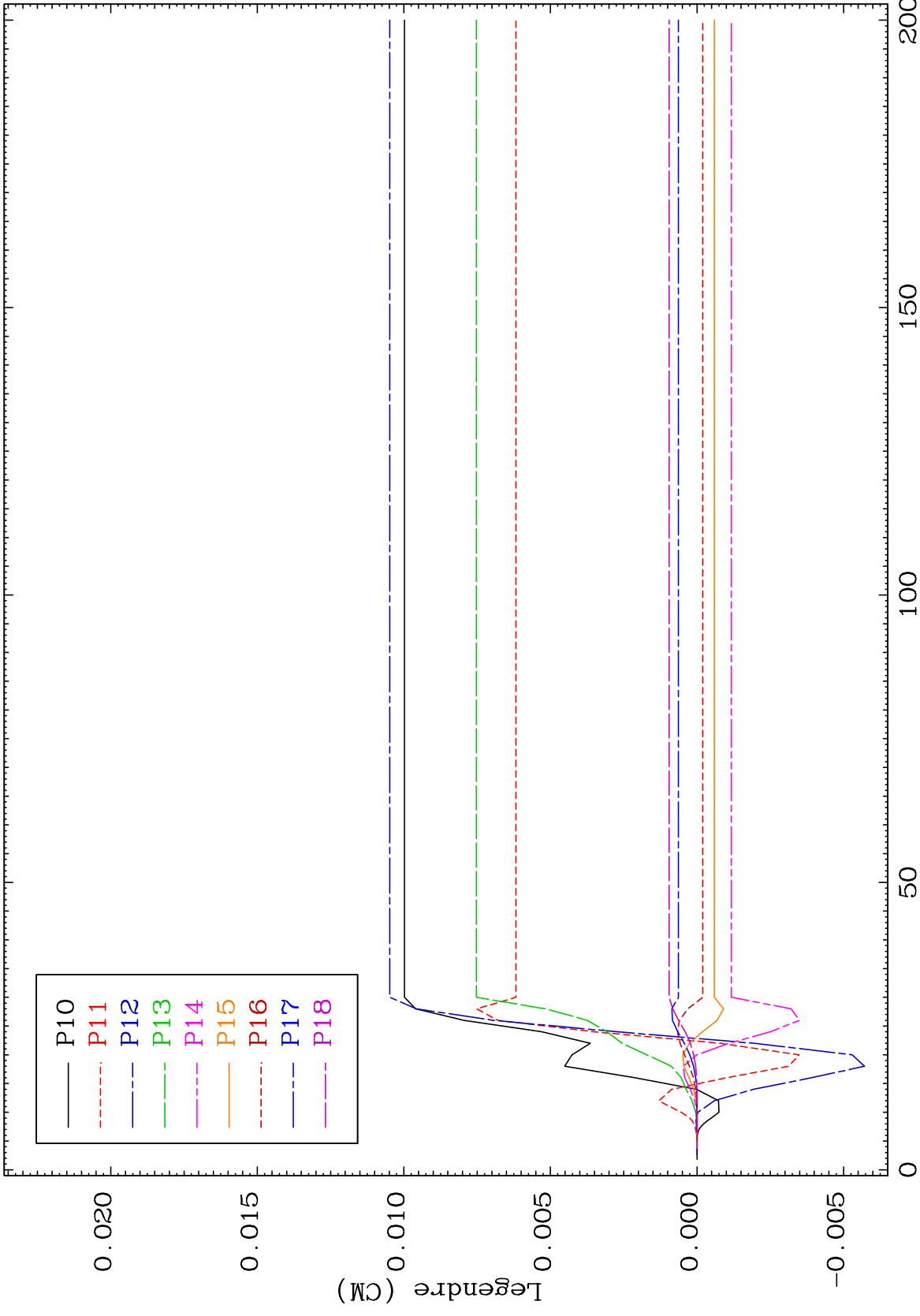
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



74

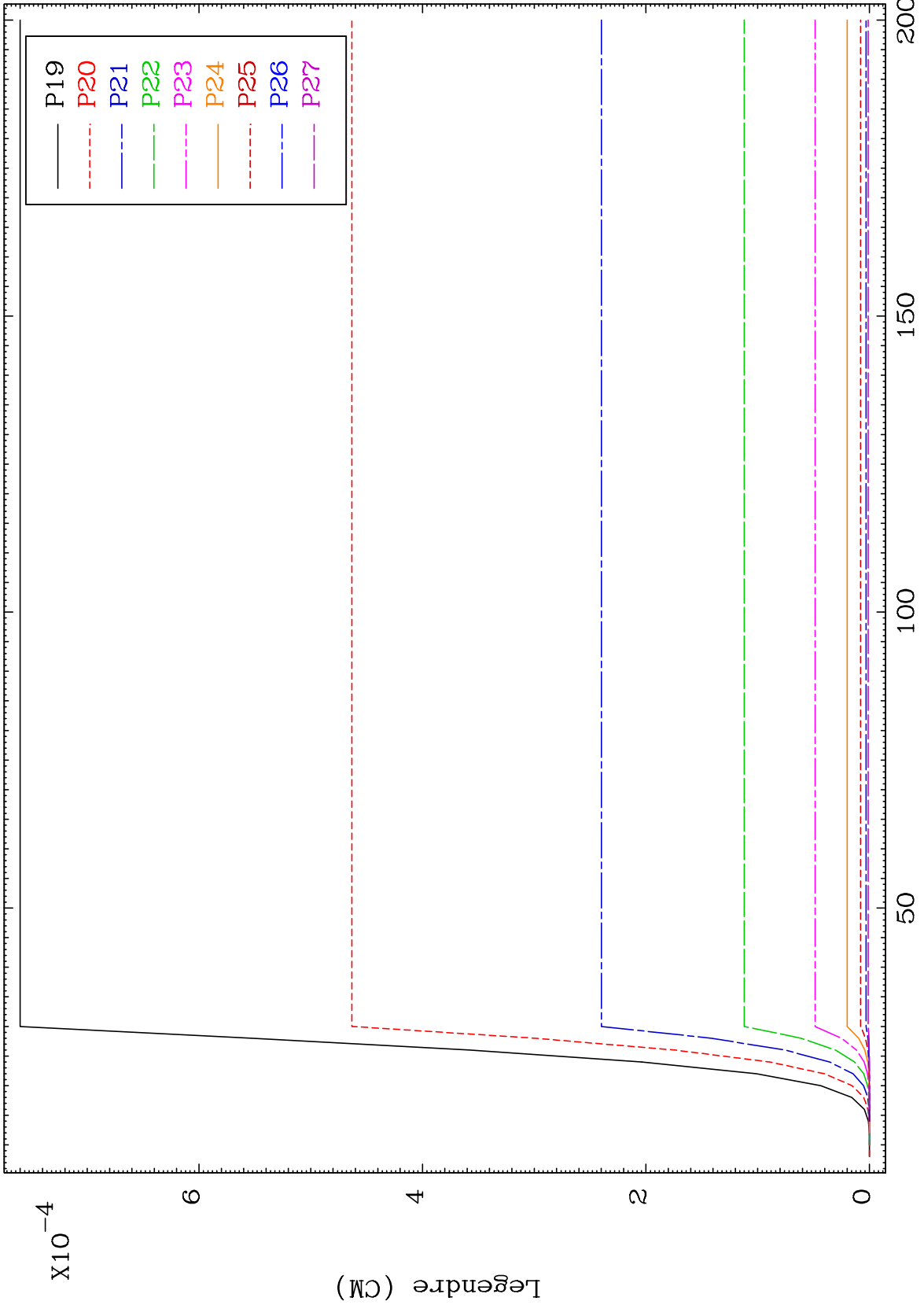
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



75

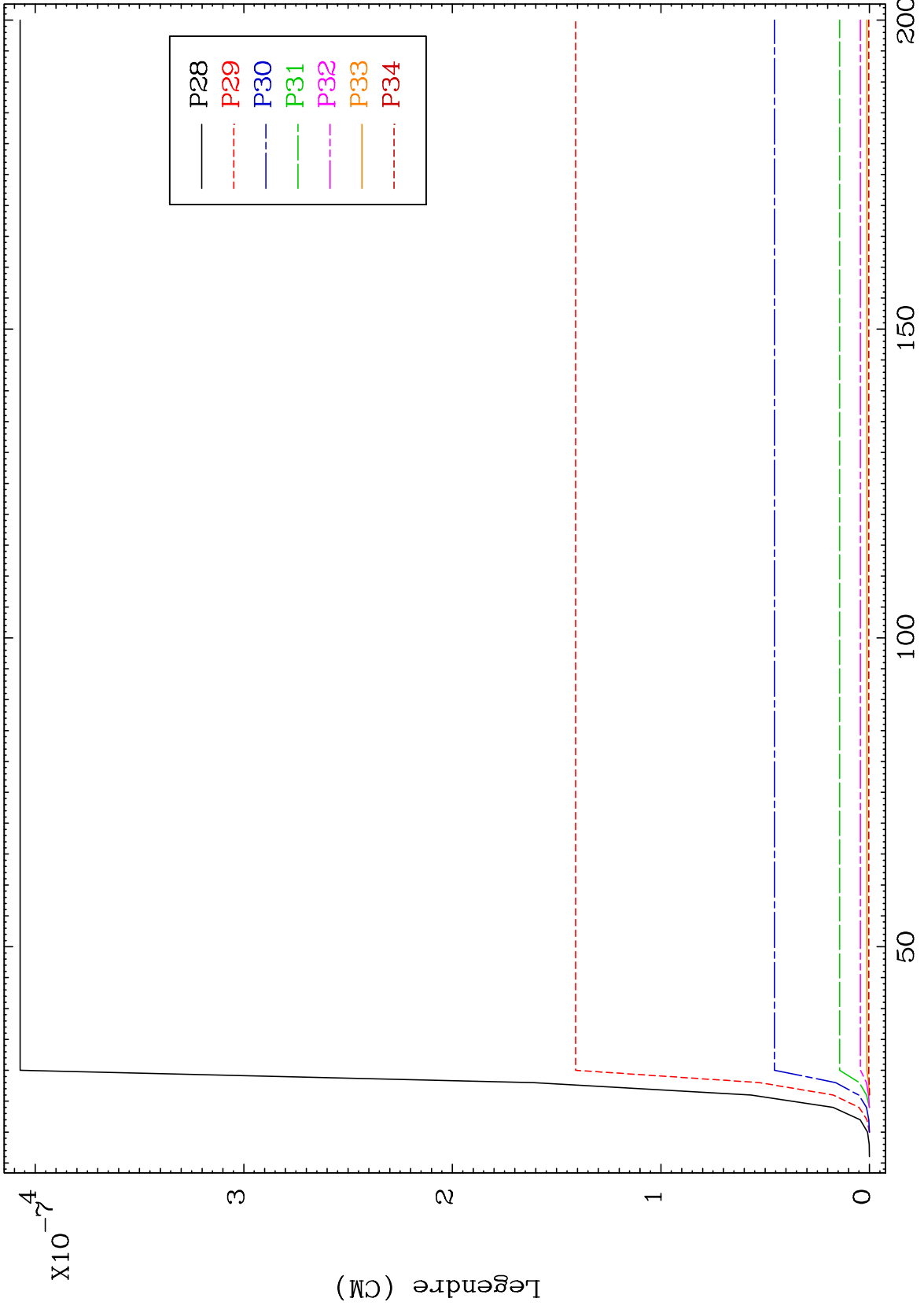
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



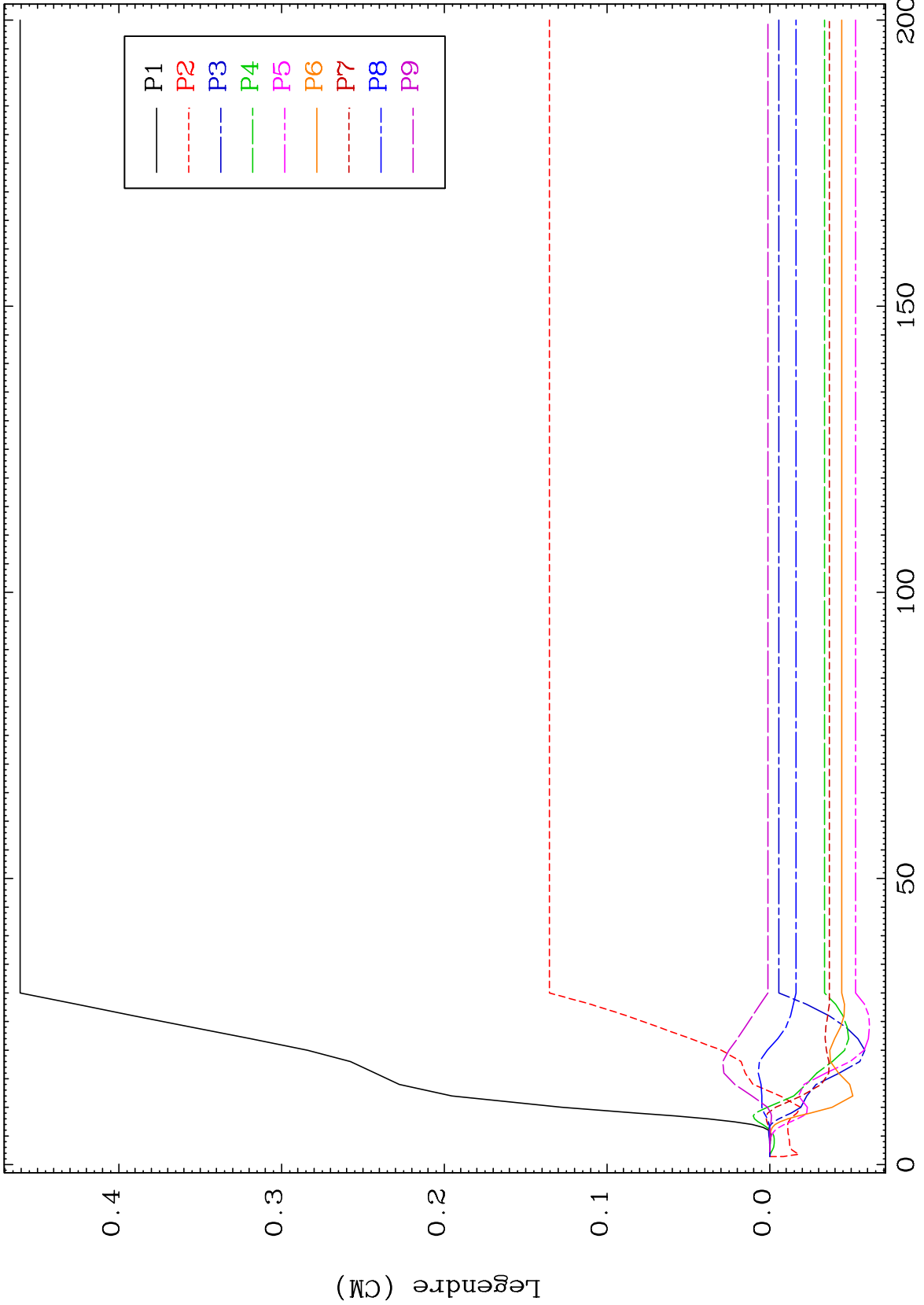
76

41-Nb-93

MAT 4125

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

41-Nb-93



77

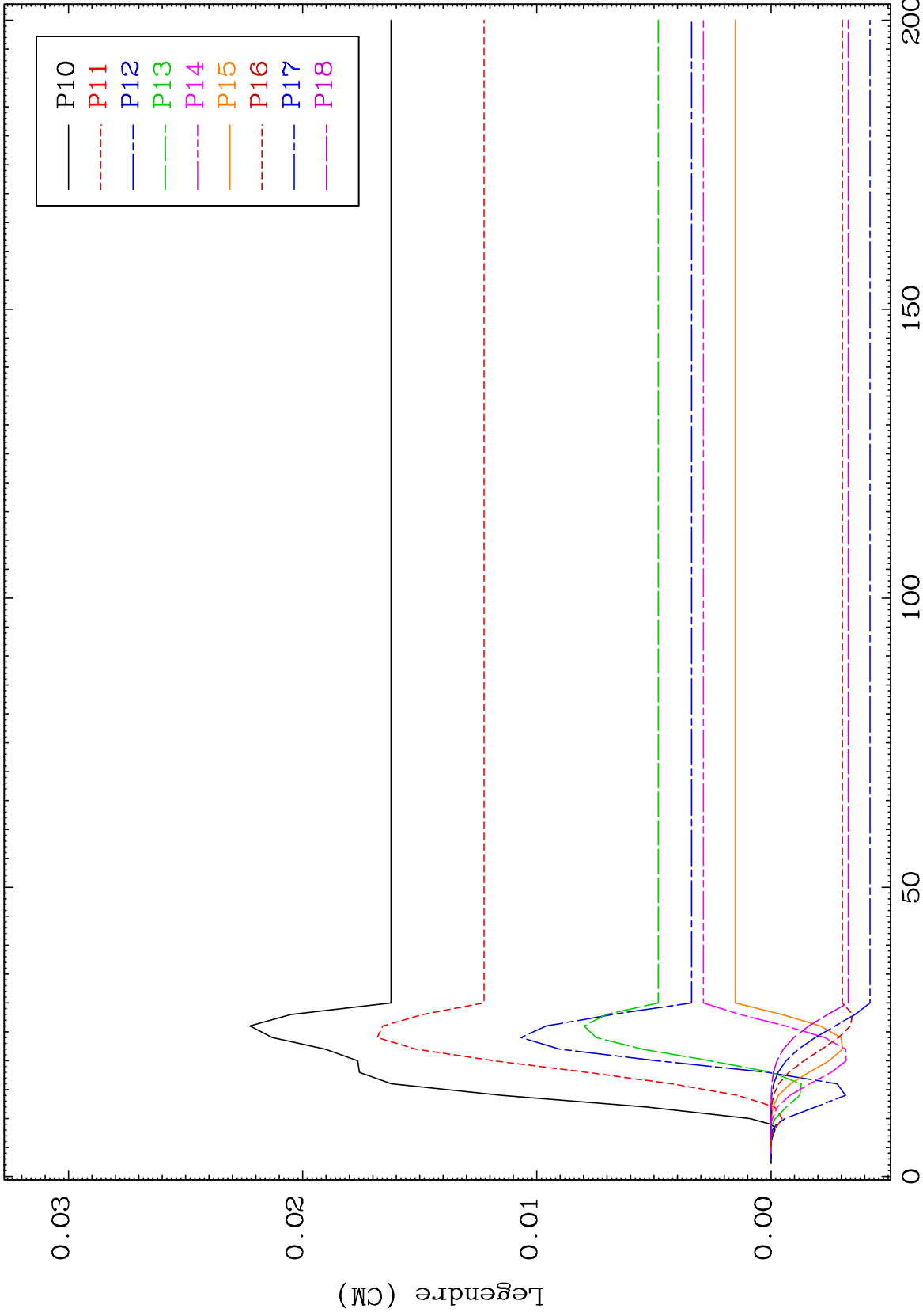
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



78

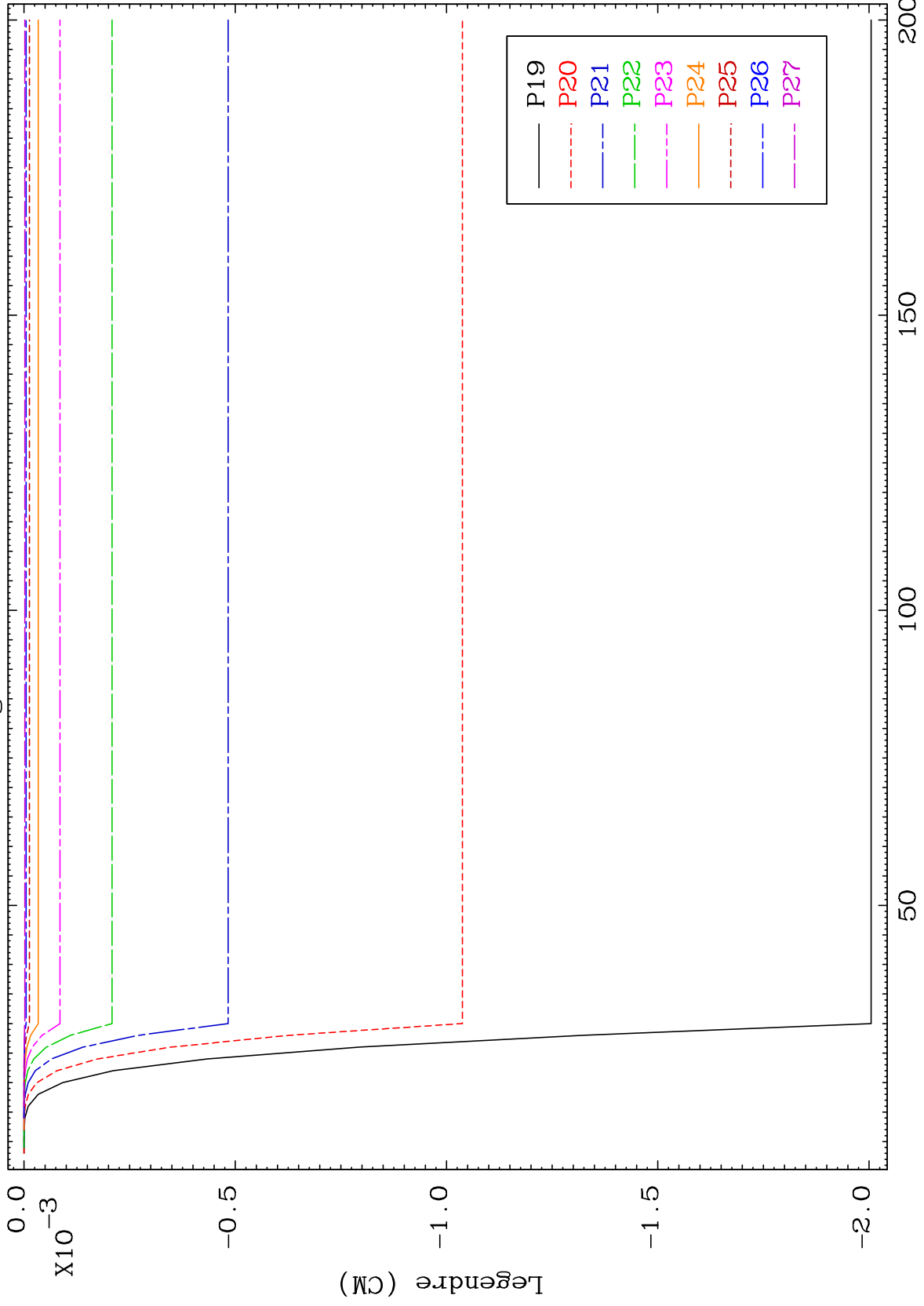
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

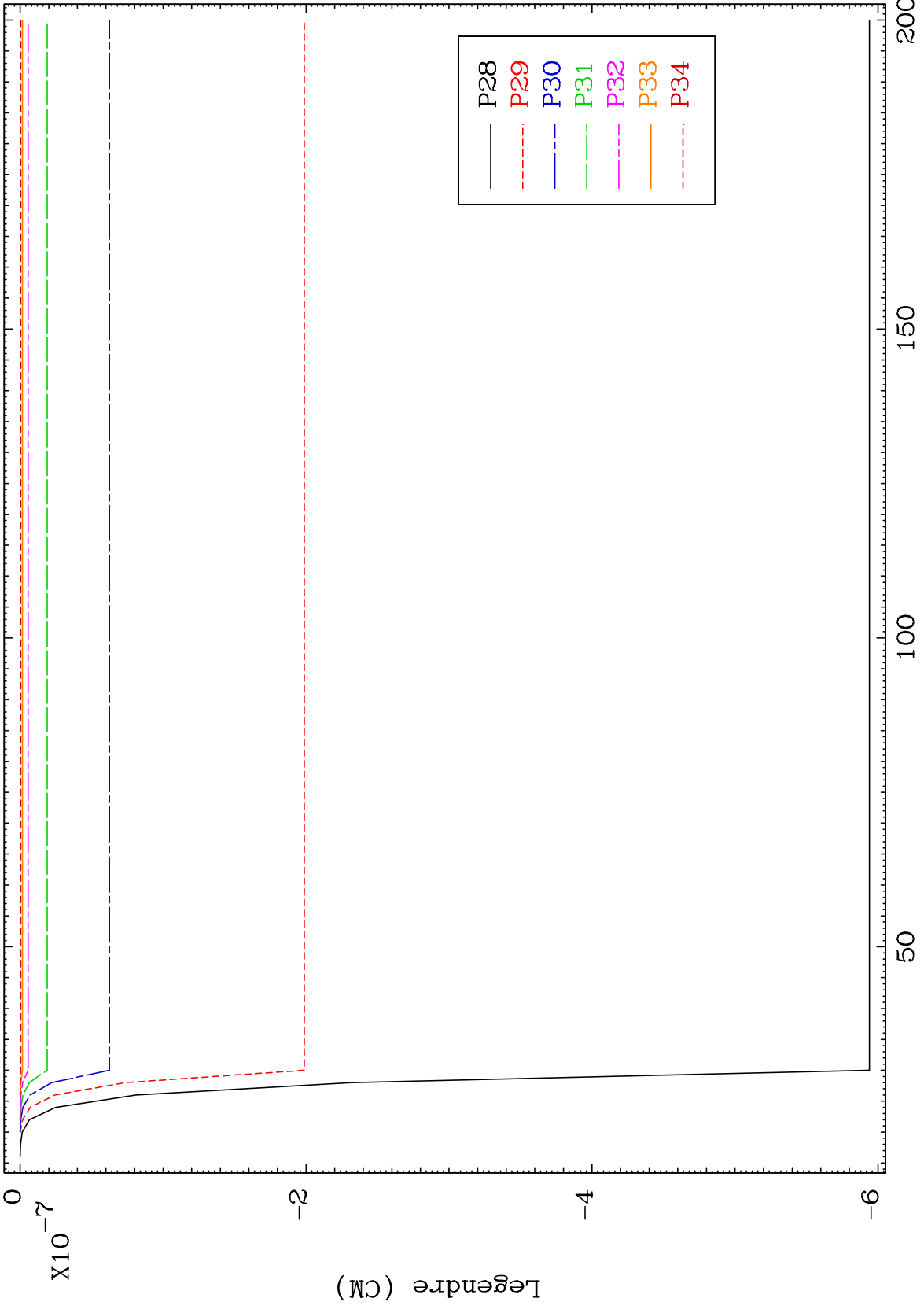
41-Nb-93



79

41-Nb-93

MAT 4125 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-93

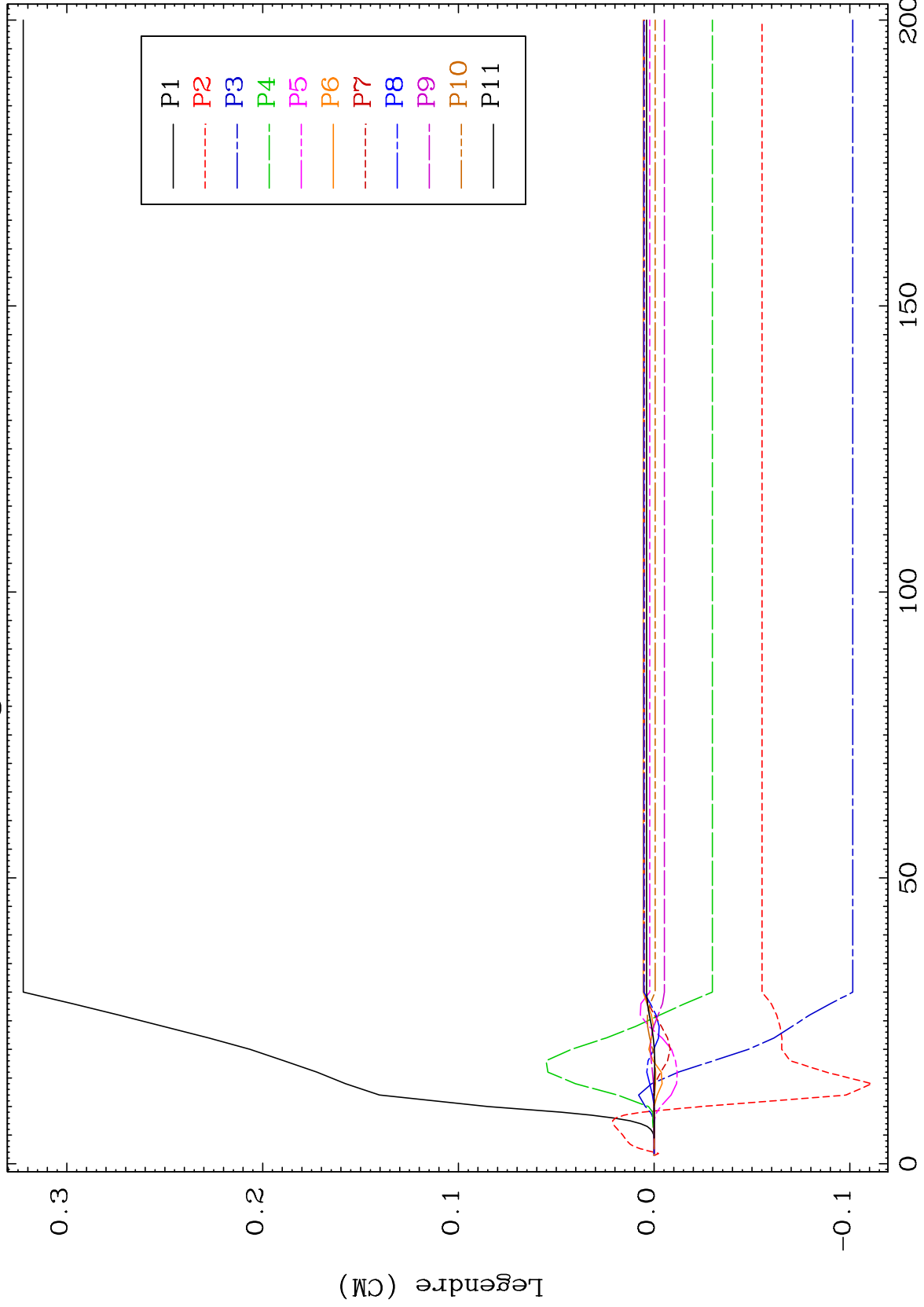


80 Incident Energy (MeV) 41-Nb-93

MAT 4125

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

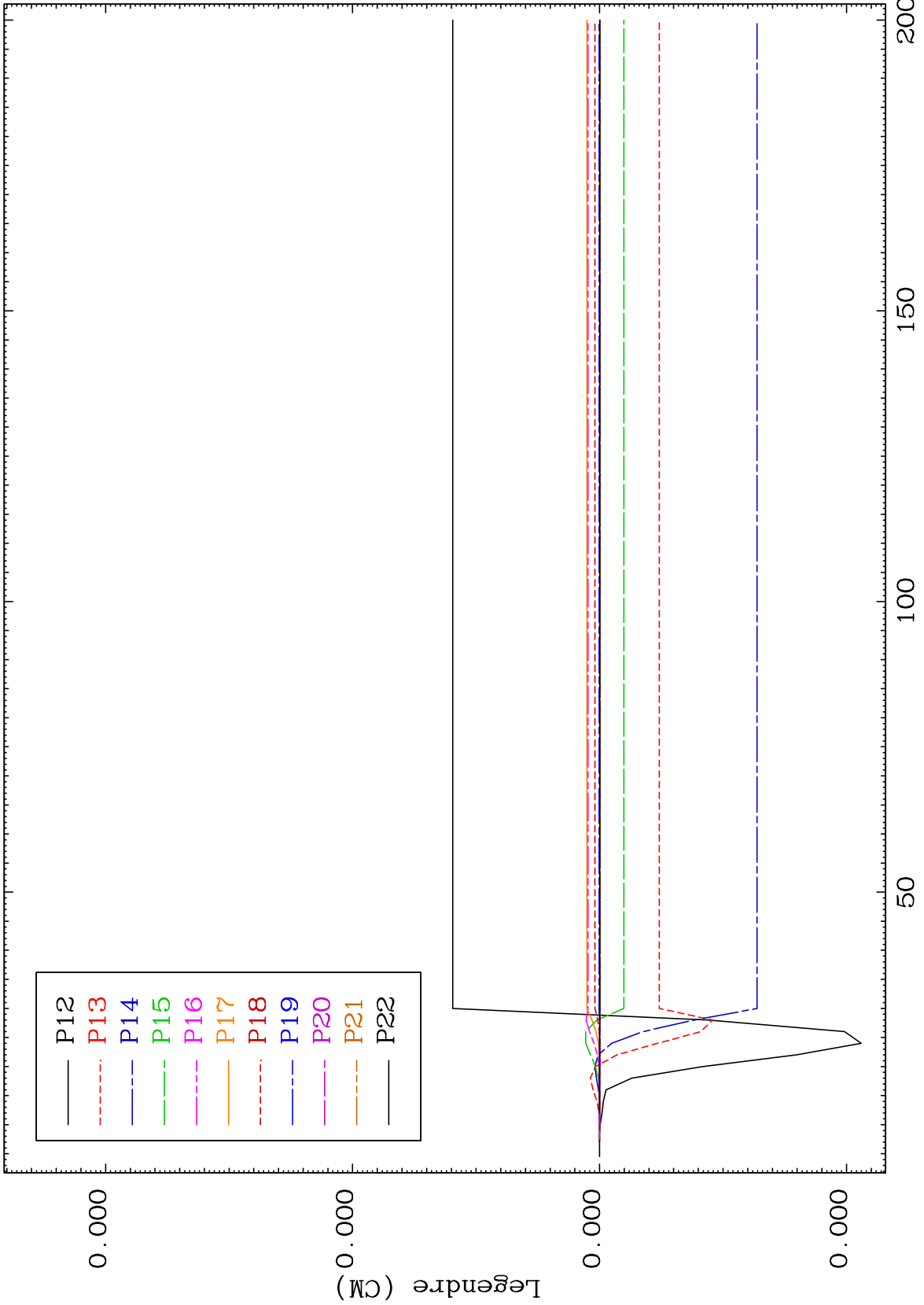
41-Nb-93



81

Incident Energy (MeV)

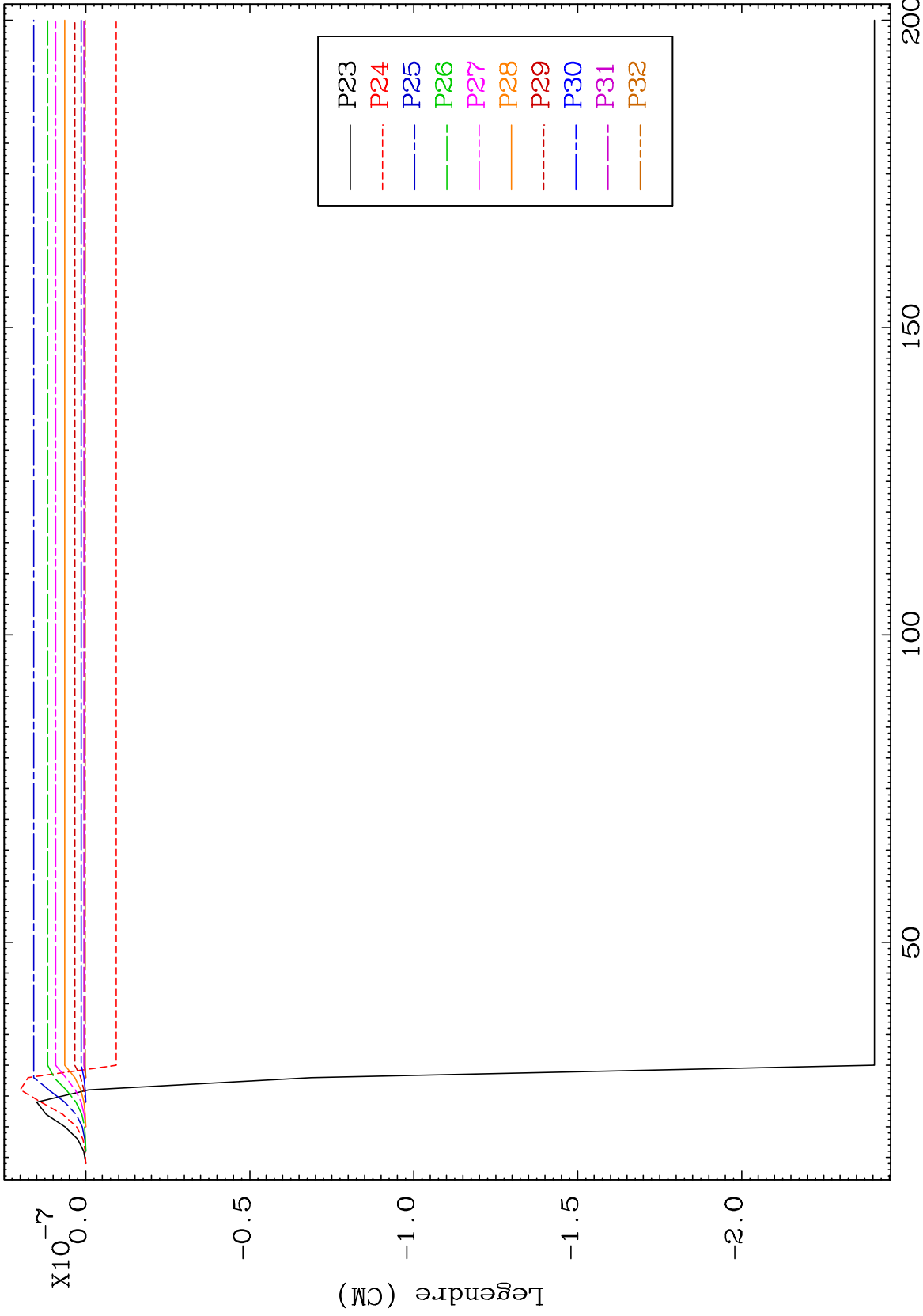
41-Nb-93



MAT 4125

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

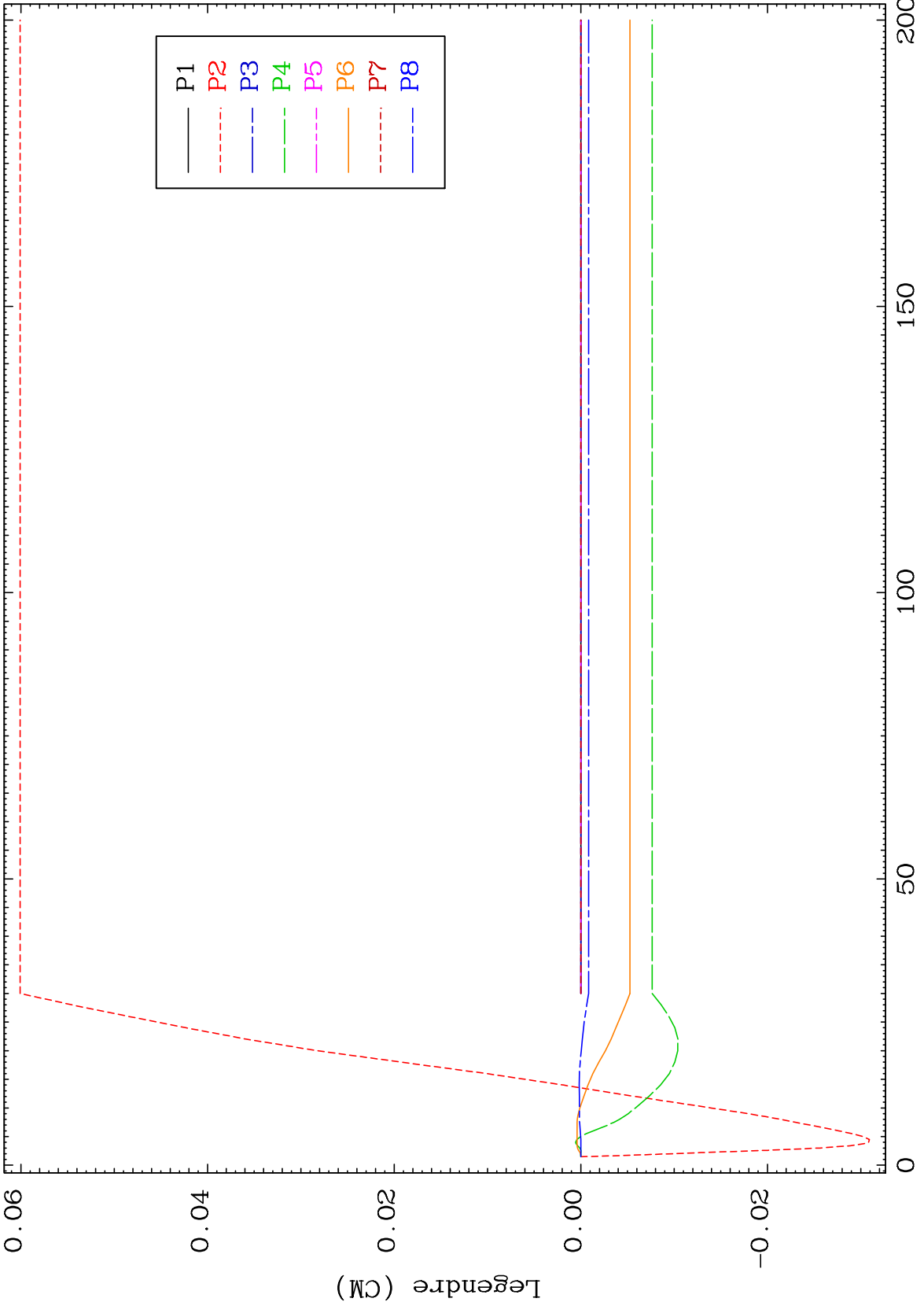
41-Nb-93



83

41-Nb-93

MAT 4125 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-93

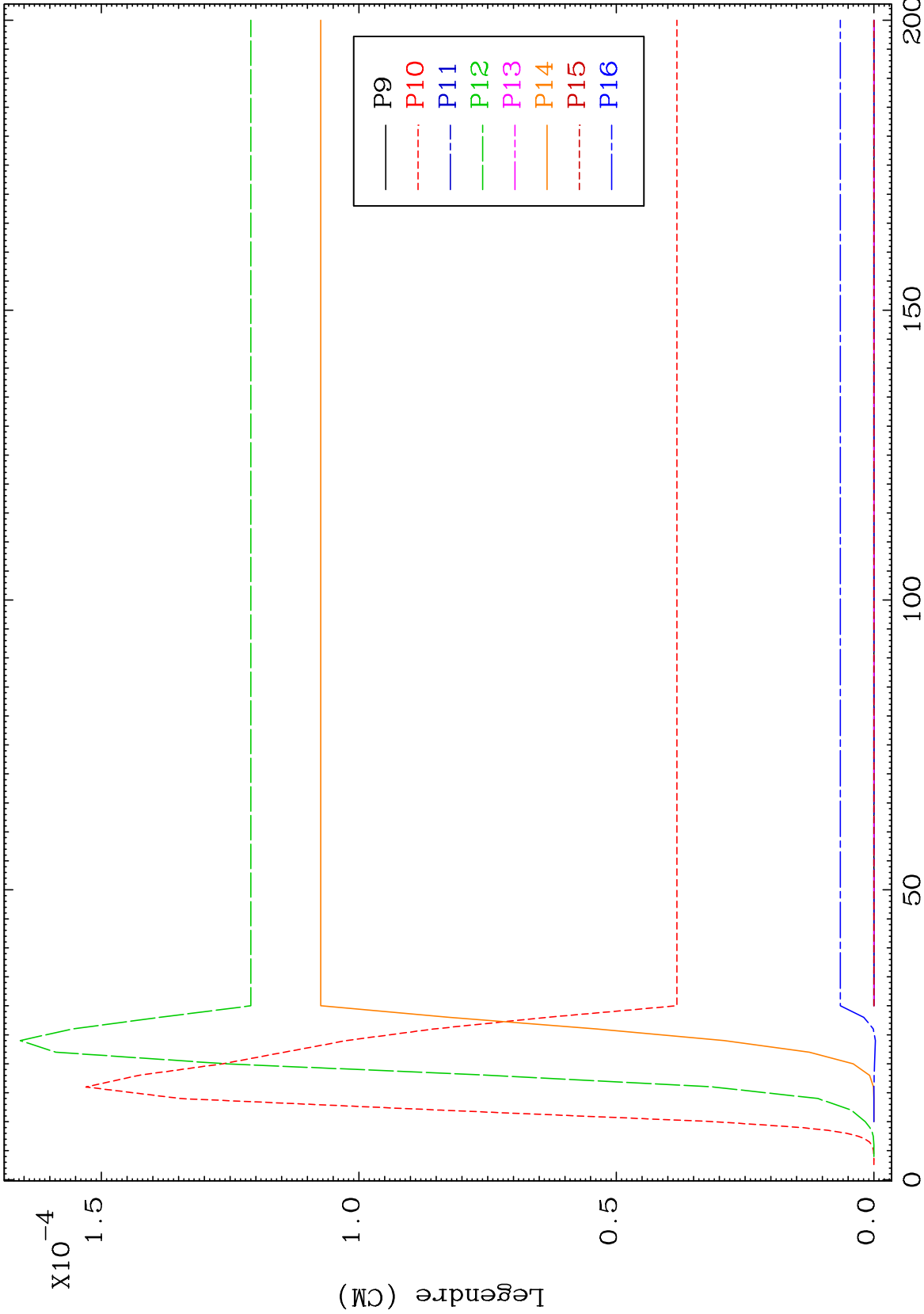


84 41-Nb-93

MAT 4125

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

41-Nb-93



85

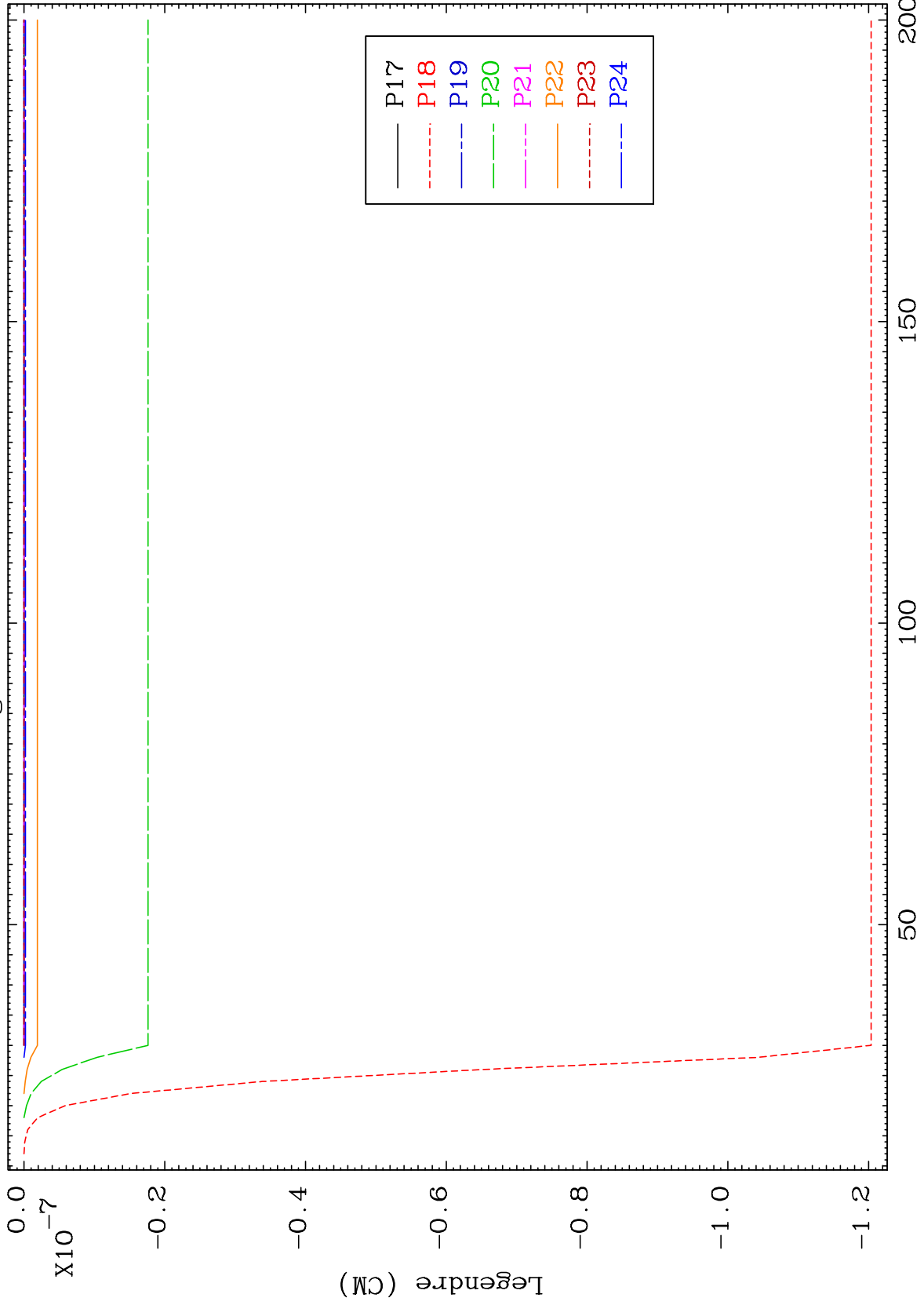
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



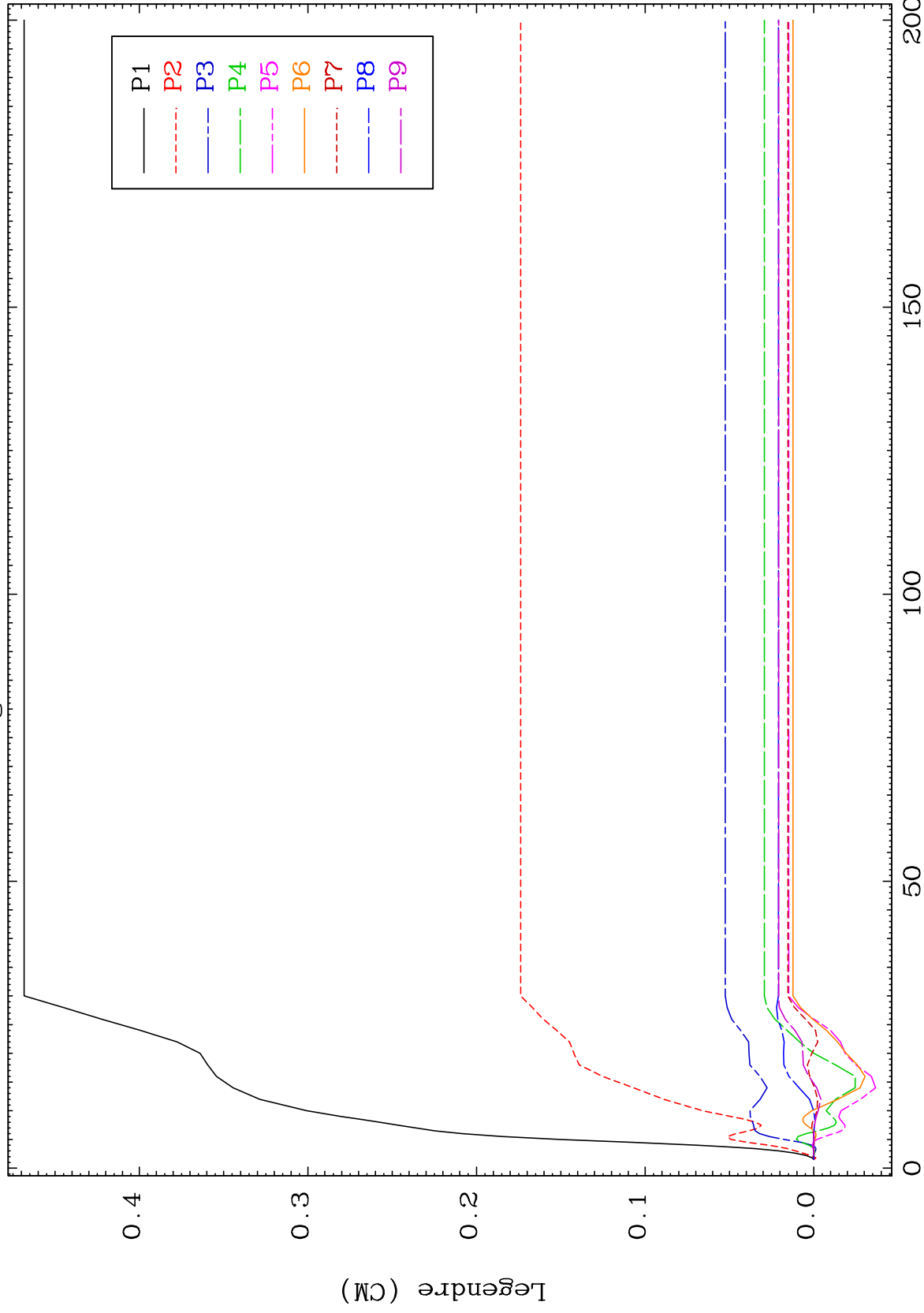
86

41-Nb-93

MAT 4125

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

41-Nb-93



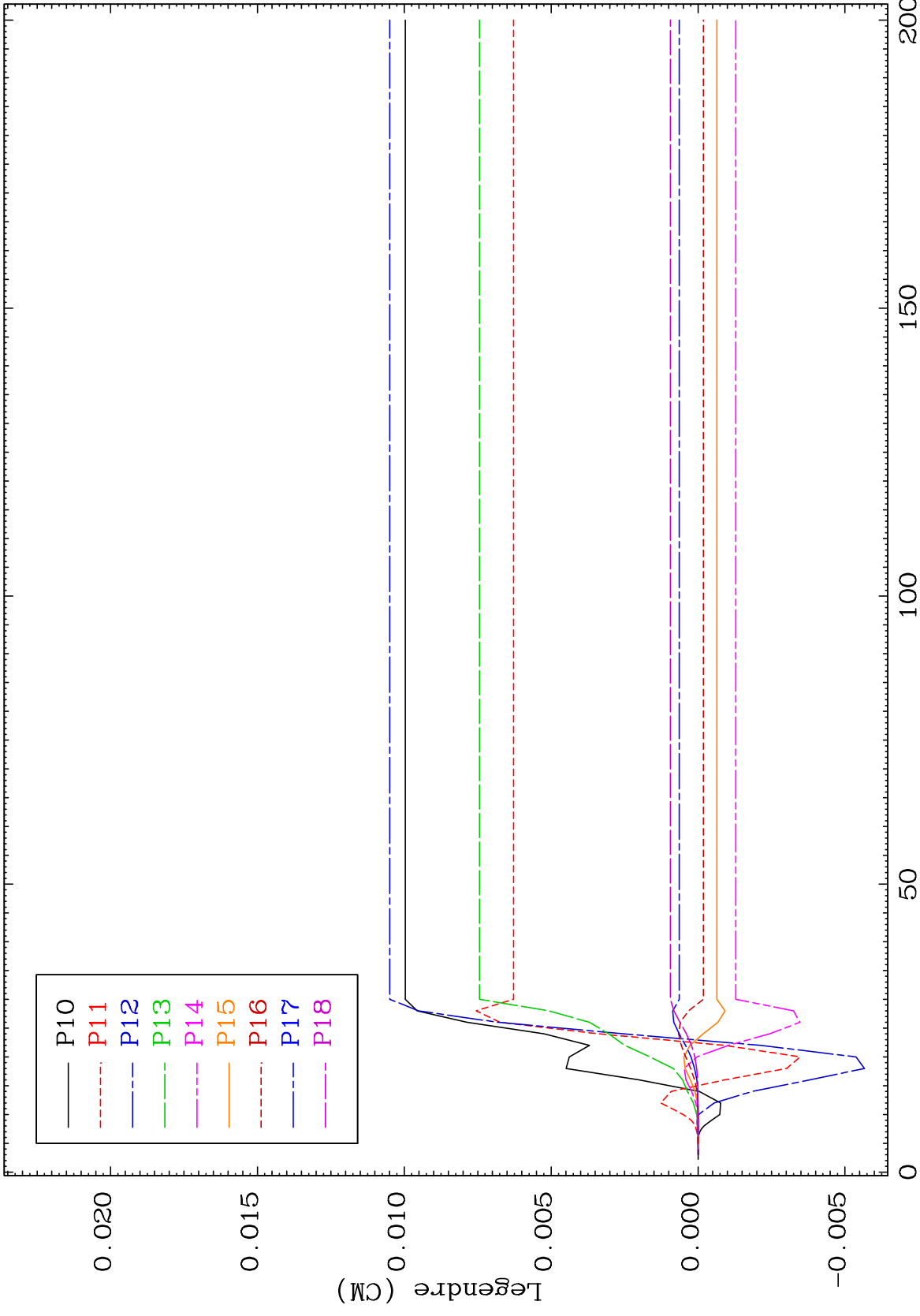
87

41-Nb-93

MAT 4125

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

41-Nb-93



88

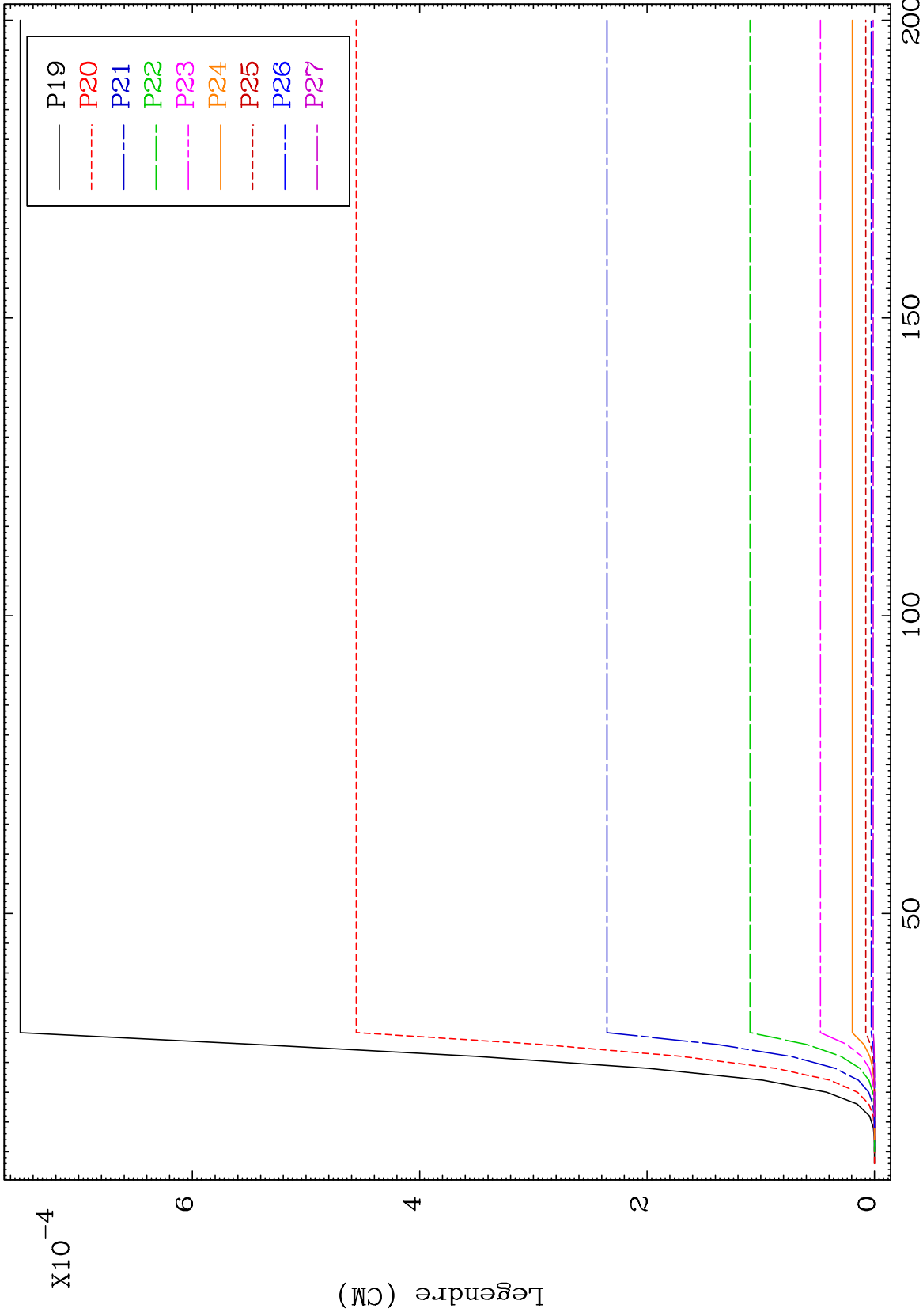
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



89

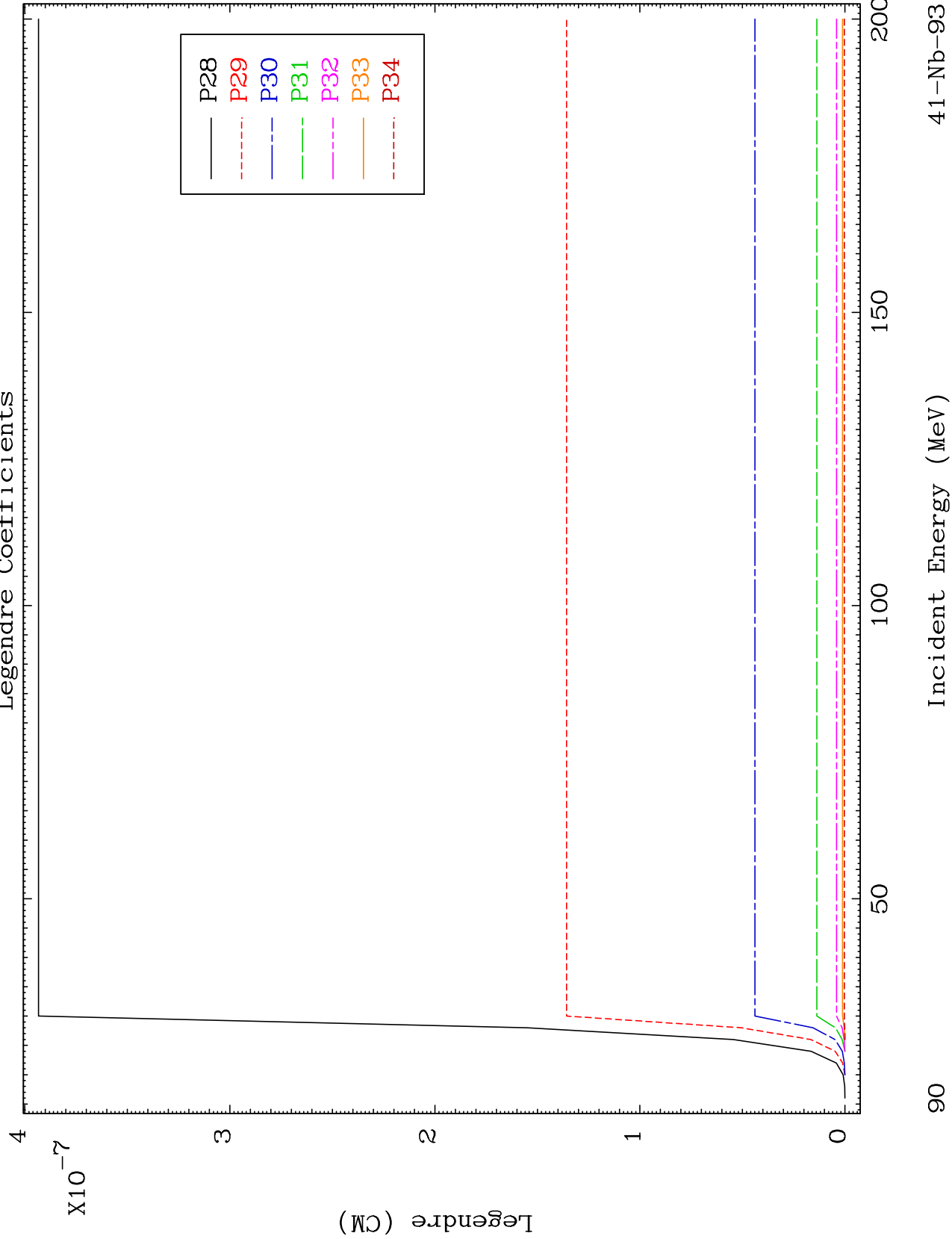
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



90

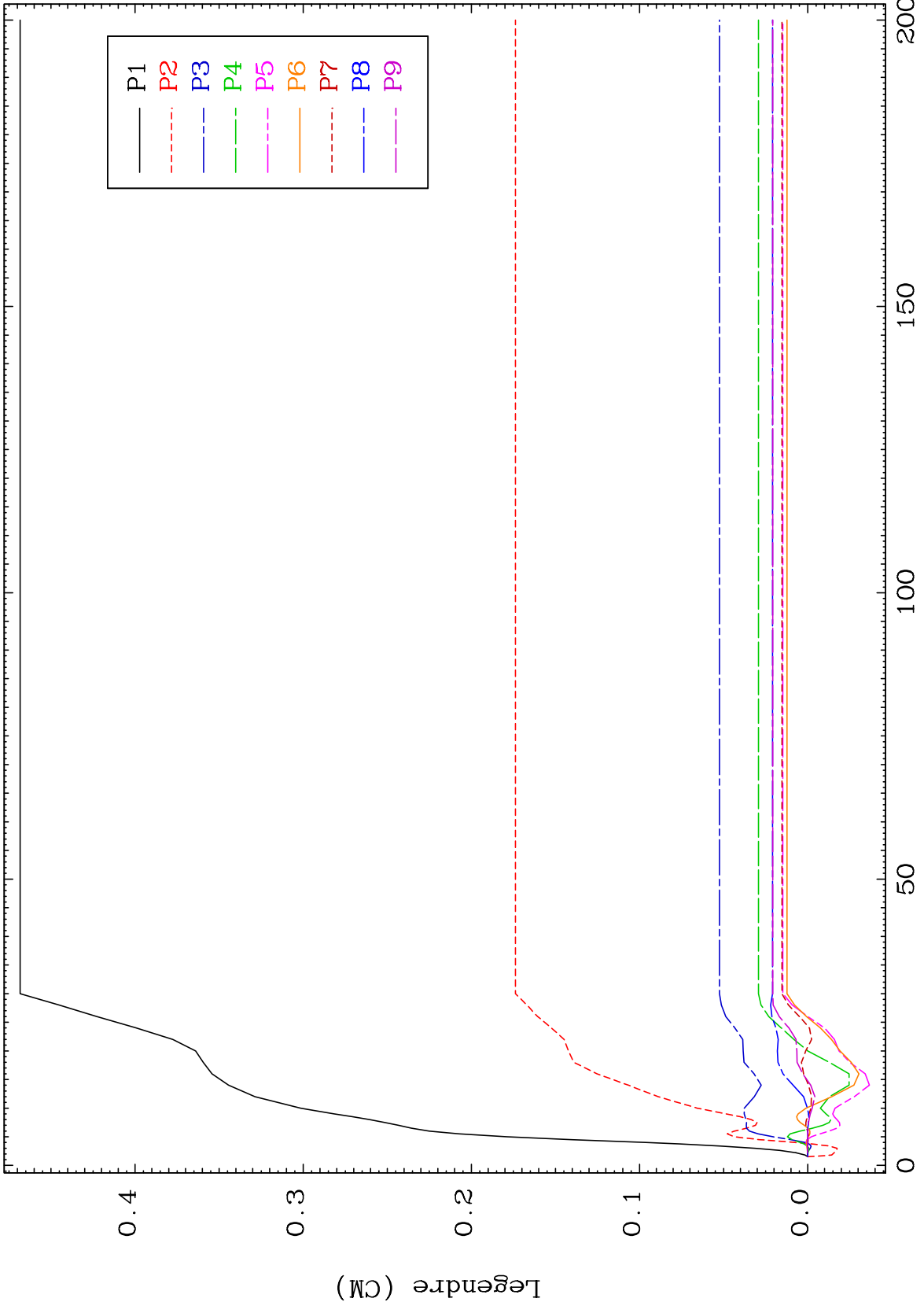
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



91

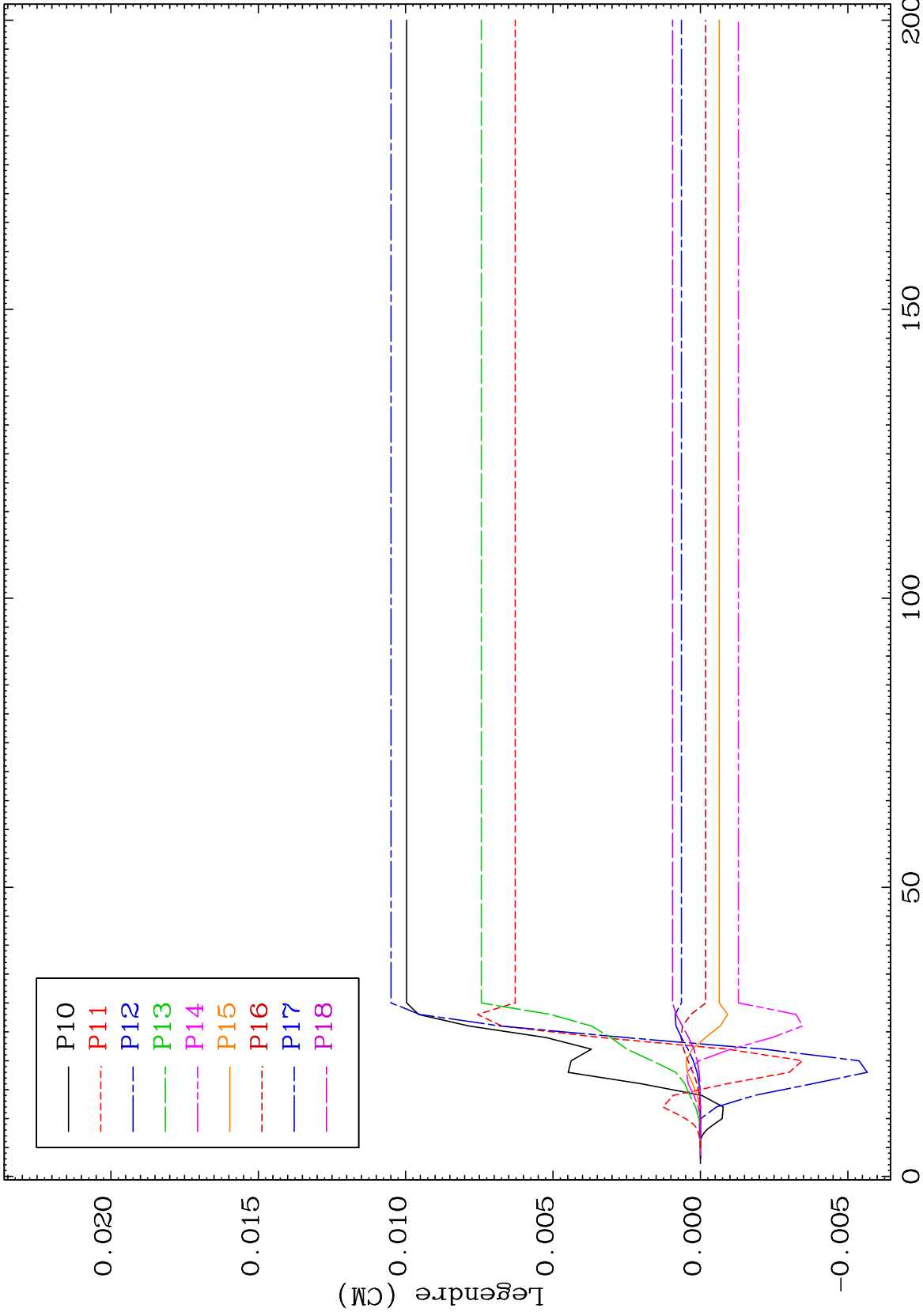
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



92

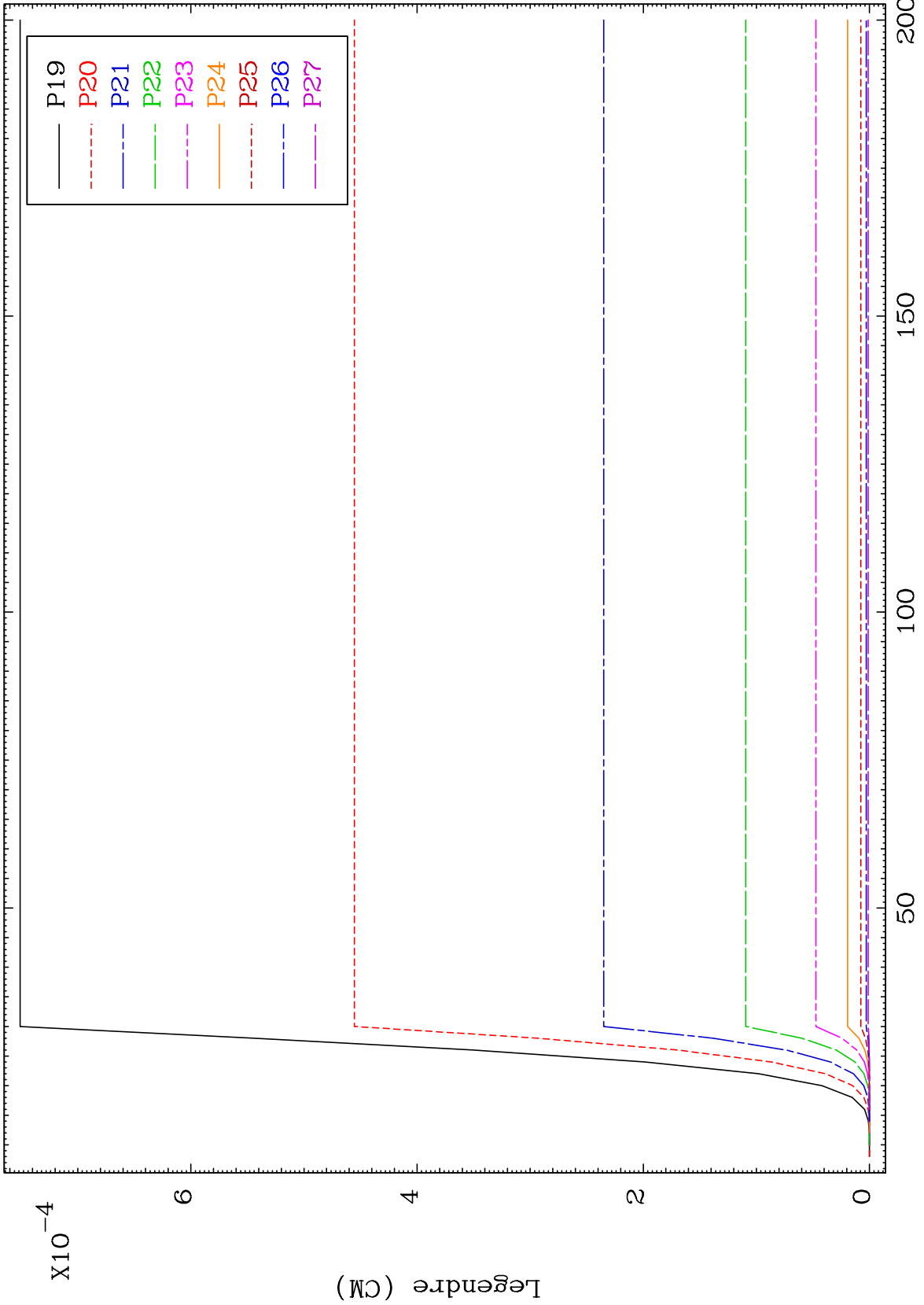
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



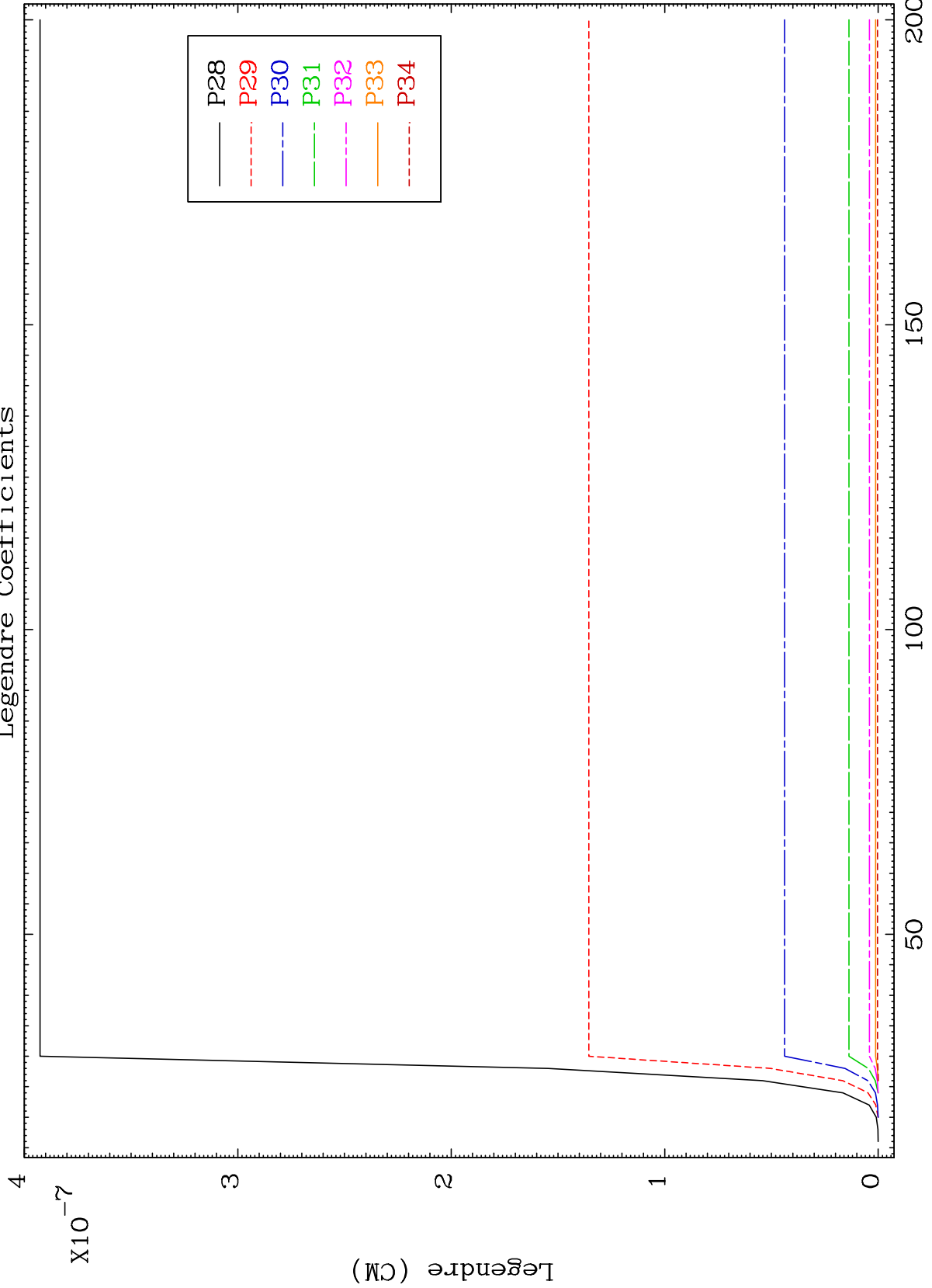
93

41-Nb-93

MAT 4125

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

41-Nb-93



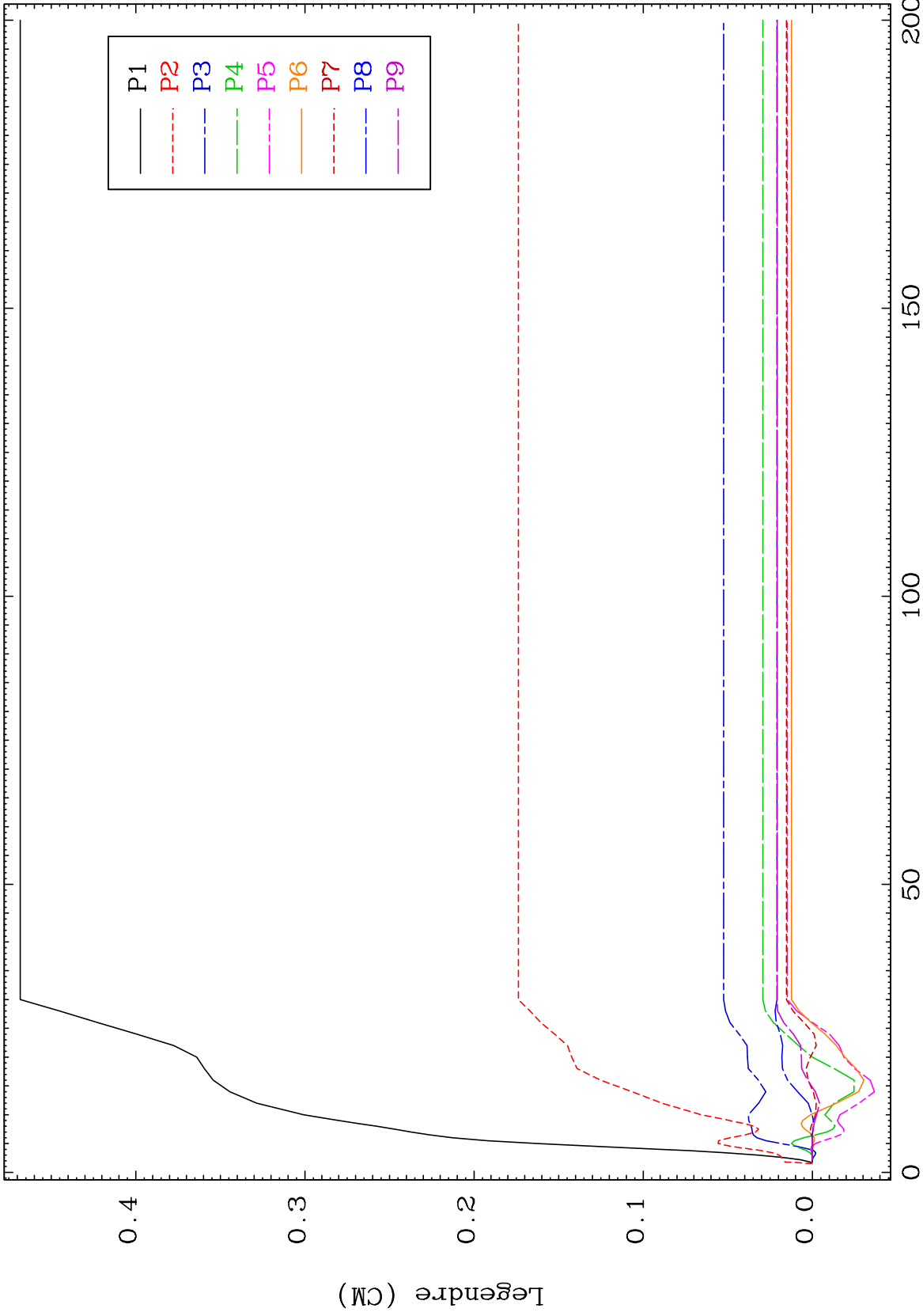
94

41-Nb-93

MAT 4125

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

41-Nb-93



95

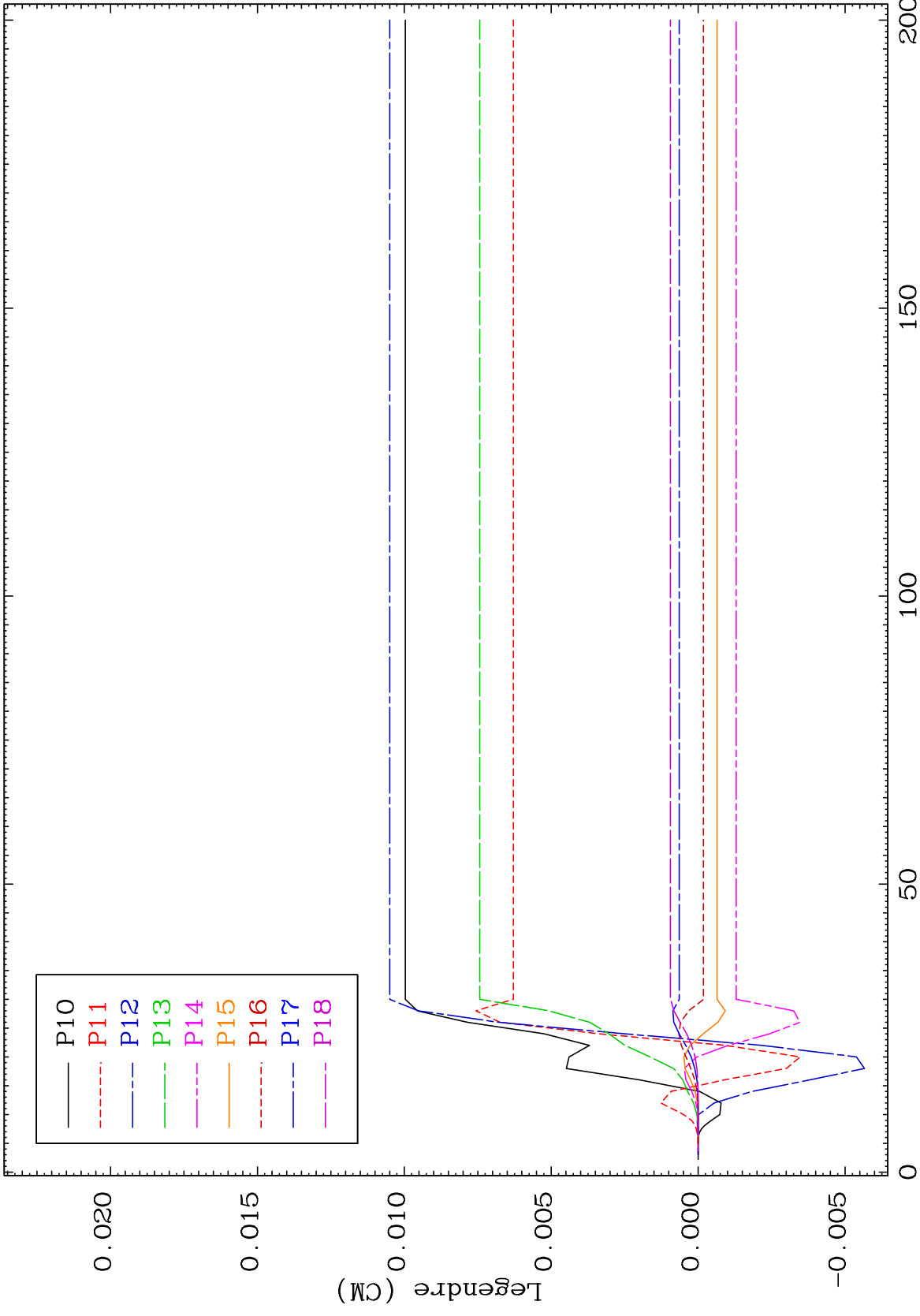
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



96

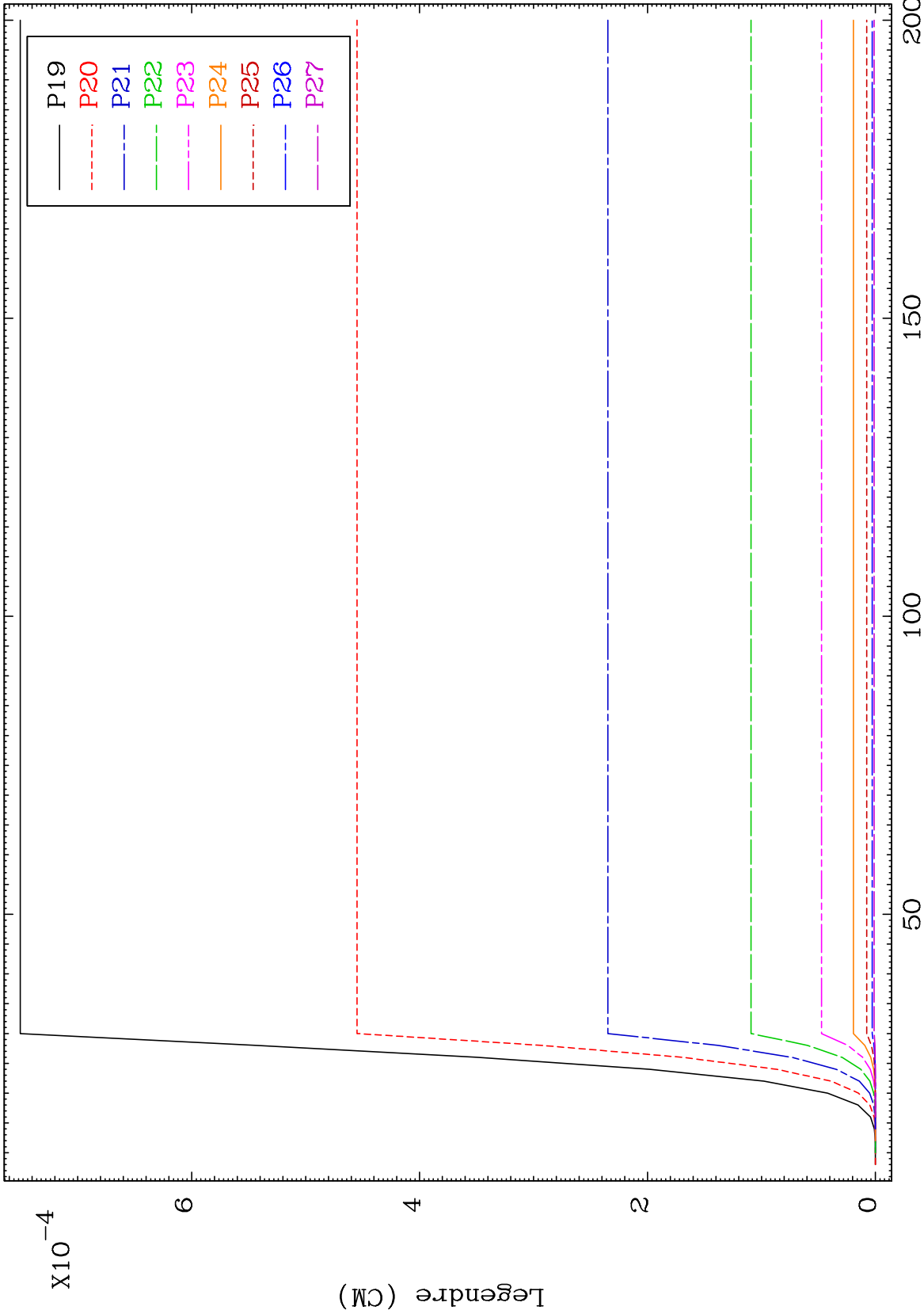
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



97

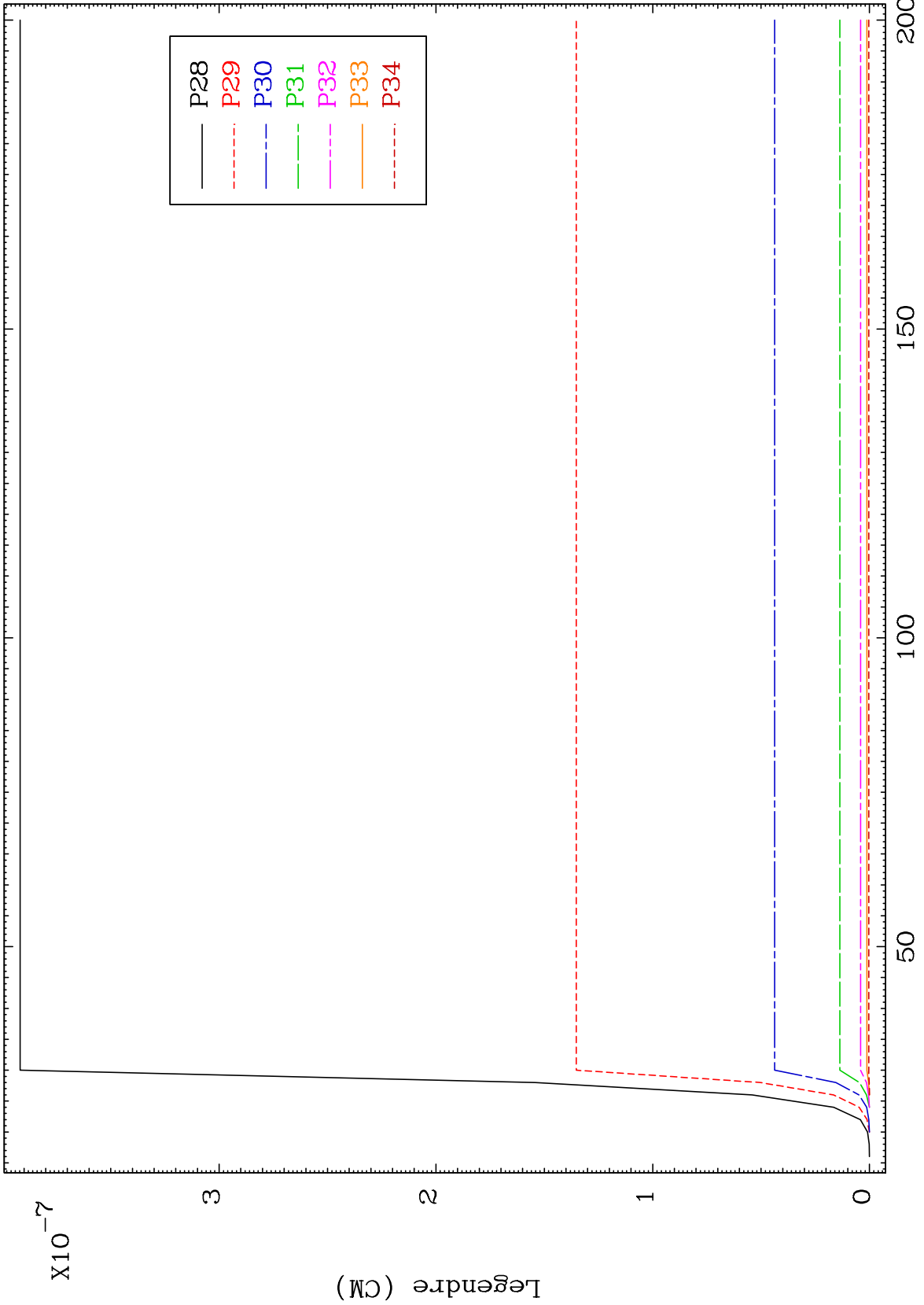
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



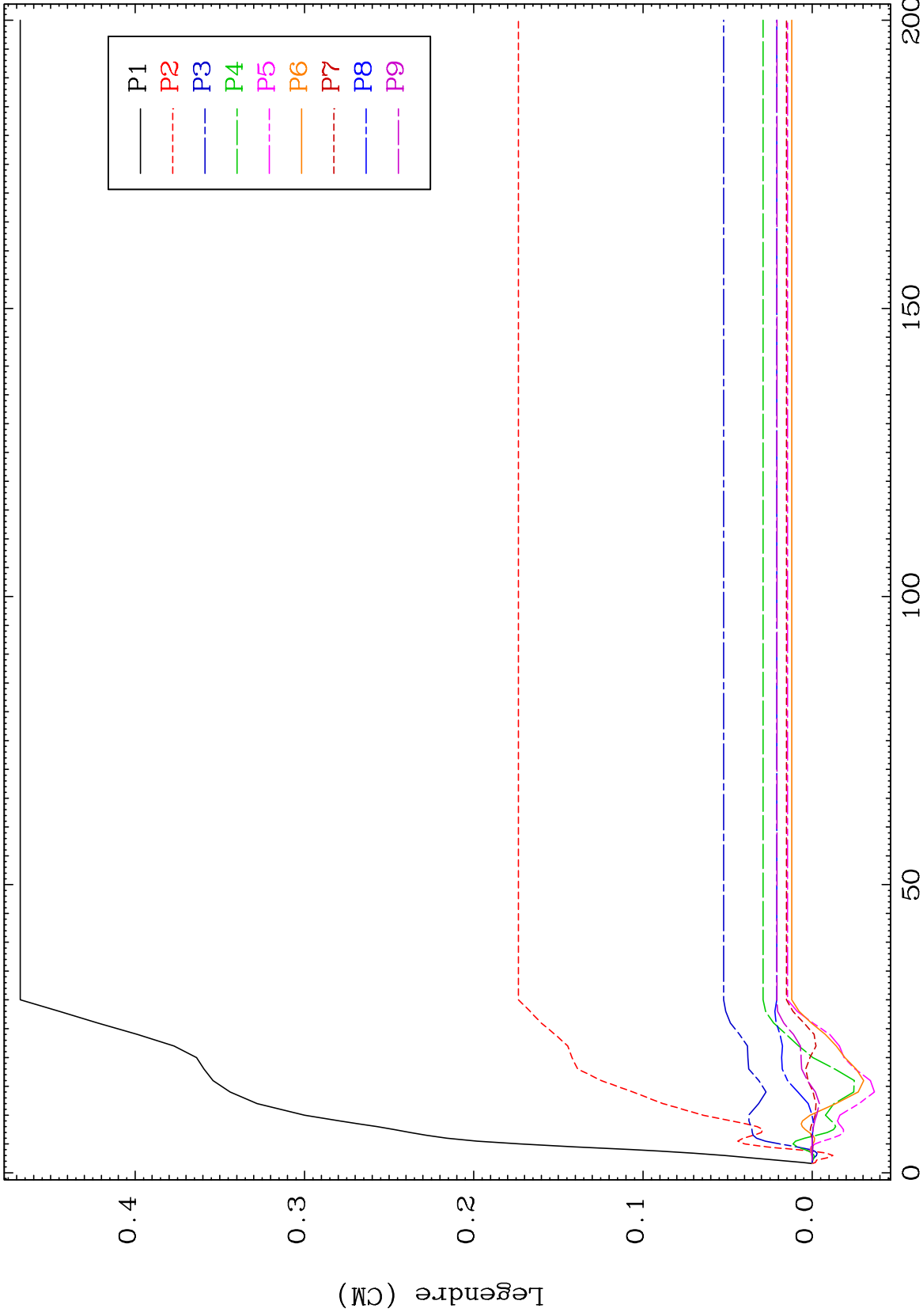
98

41-Nb-93

MAT 4125

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

41-Nb-93



99

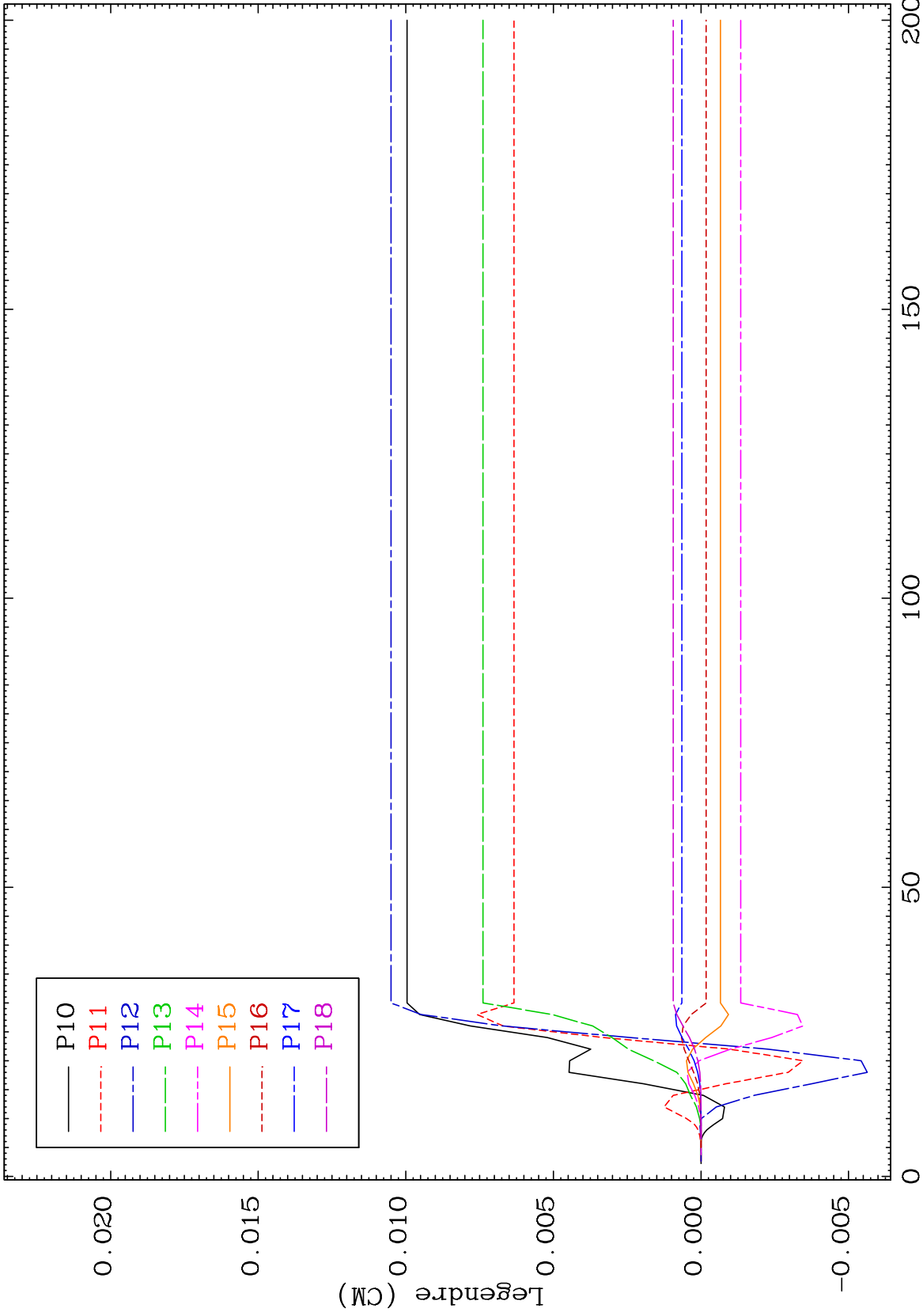
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



41-Nb-93

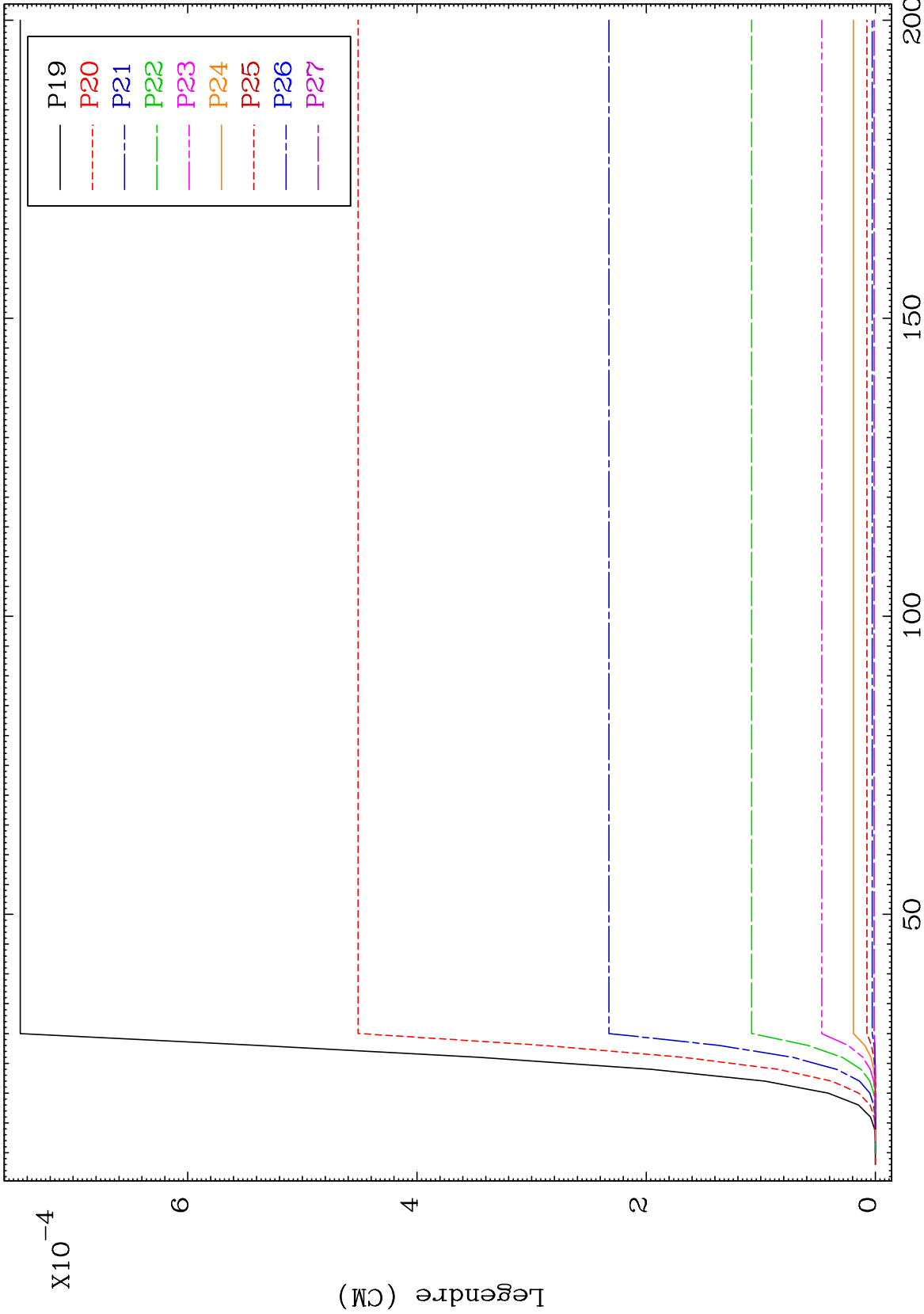
Incident Energy (MeV)

100

MAT 4125

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

41-Nb-93



101

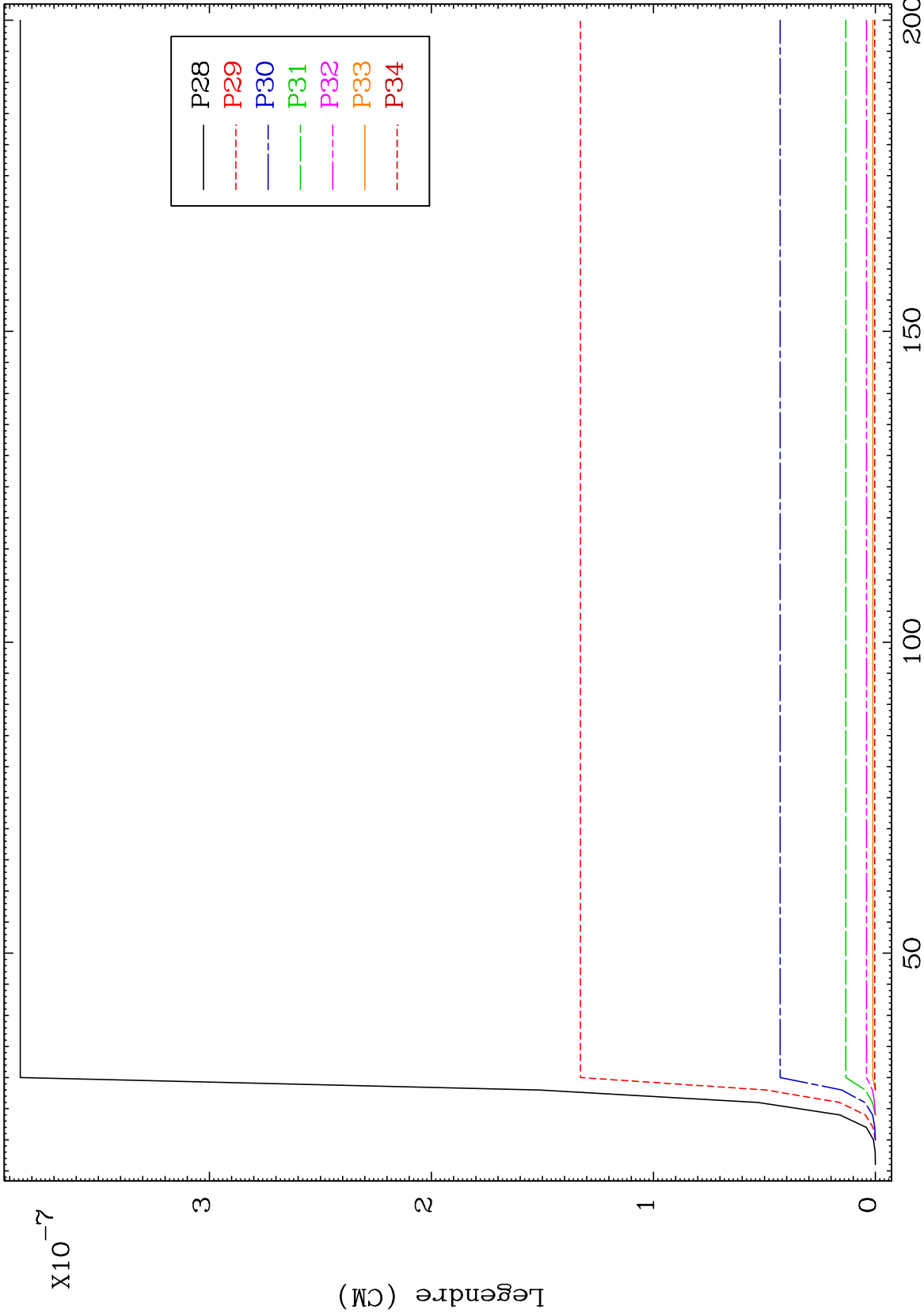
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93

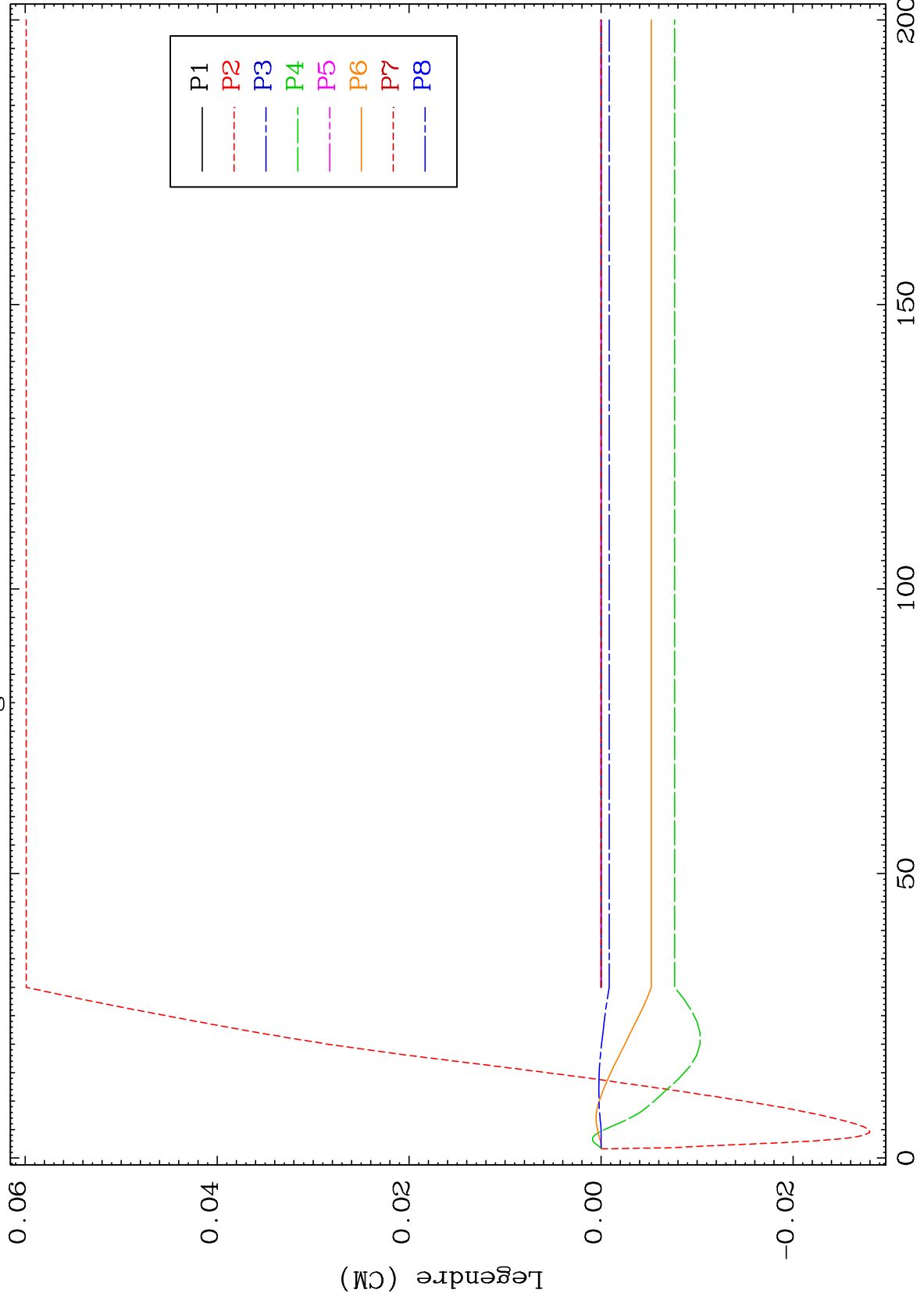


102

Incident Energy (MeV)

41-Nb-93

MAT 4125 MT= 73 (n,n') Level Legendre Coefficients 41-Nb-93

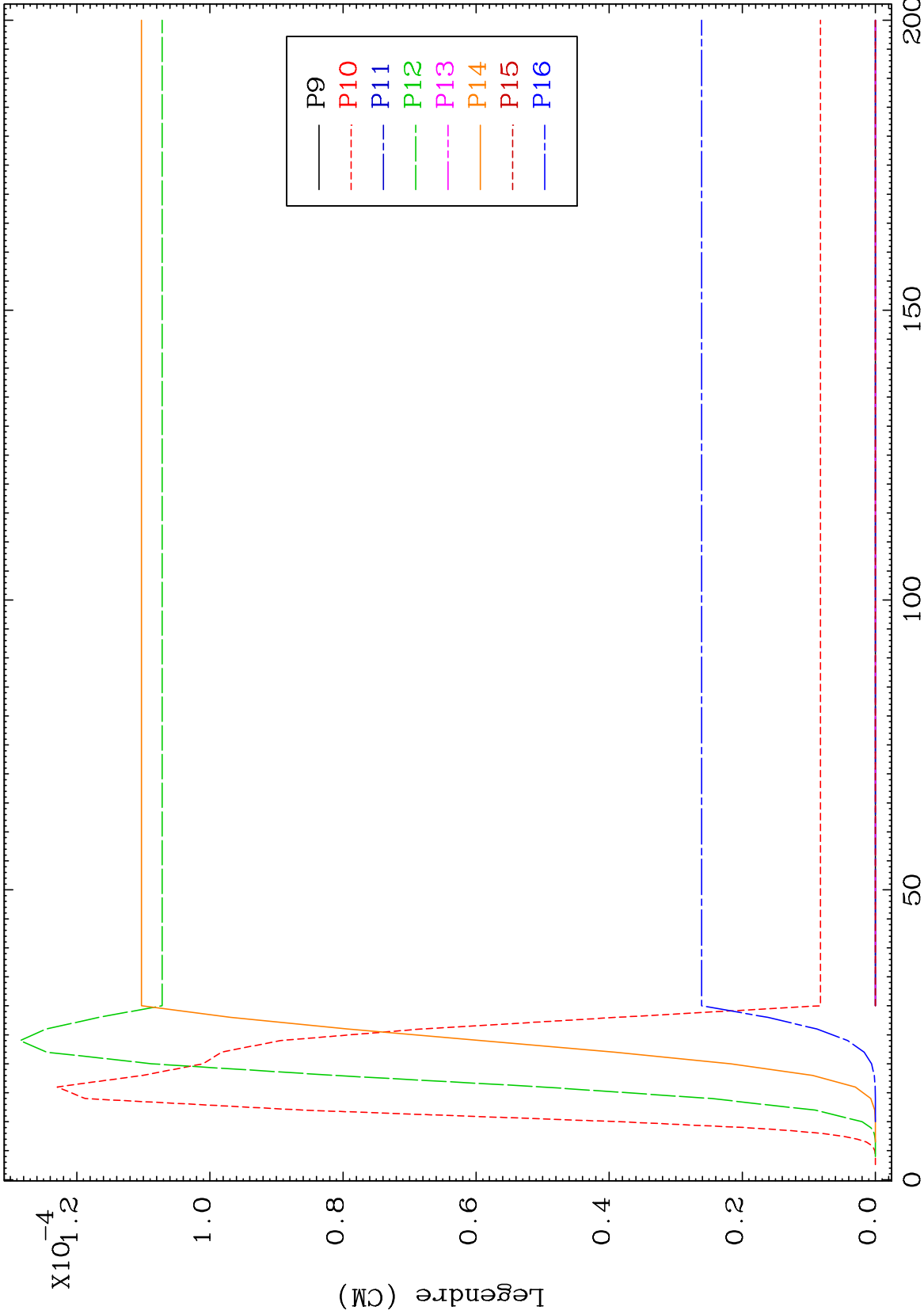


103 Incident Energy (MeV) 41-Nb-93

MAT 4125

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

41-Nb-93

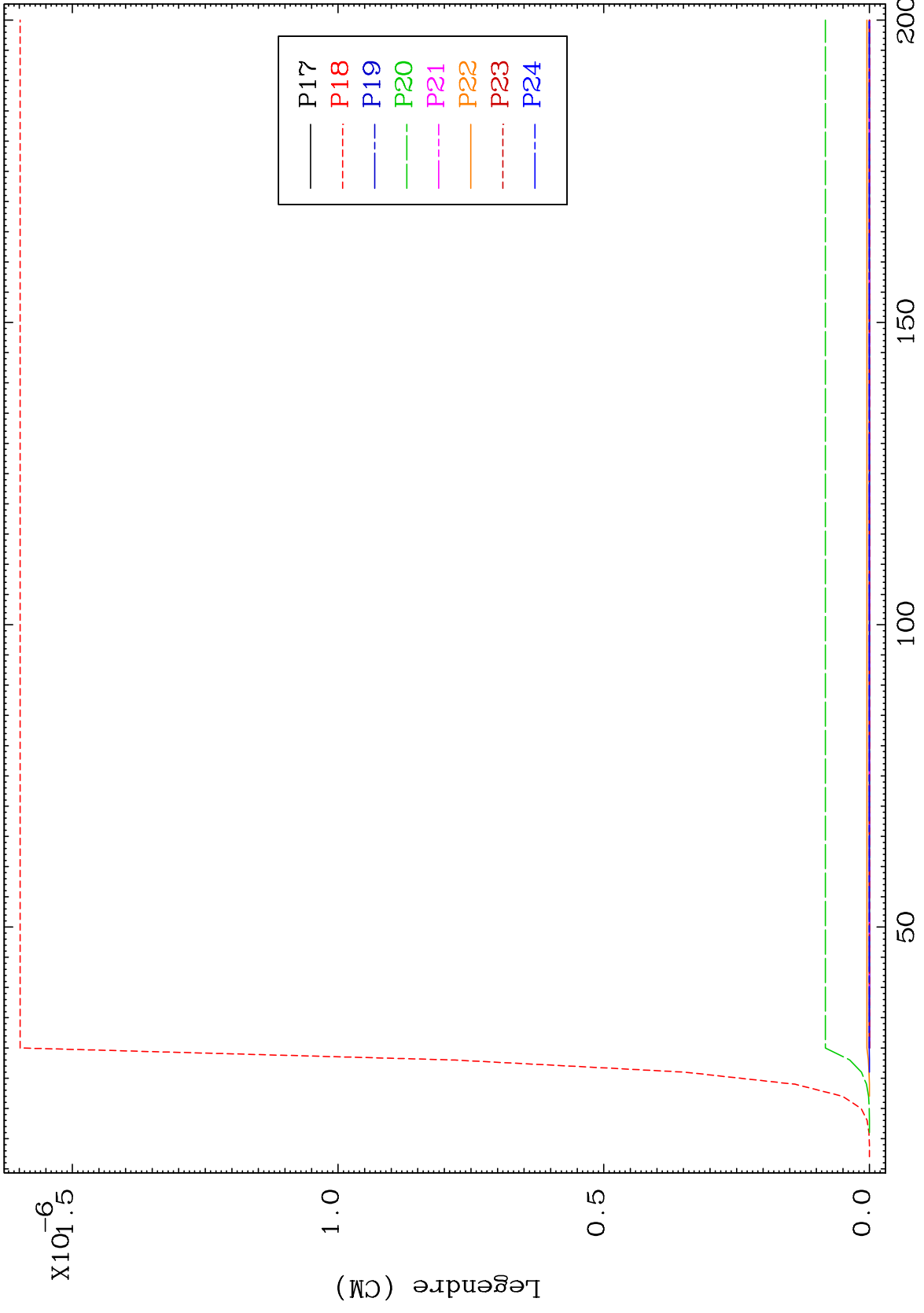


104

Incident Energy (MeV)

41-Nb-93

MAT 4125 MT= 73 (n,n') Level Legendre Coefficients 41-Nb-93

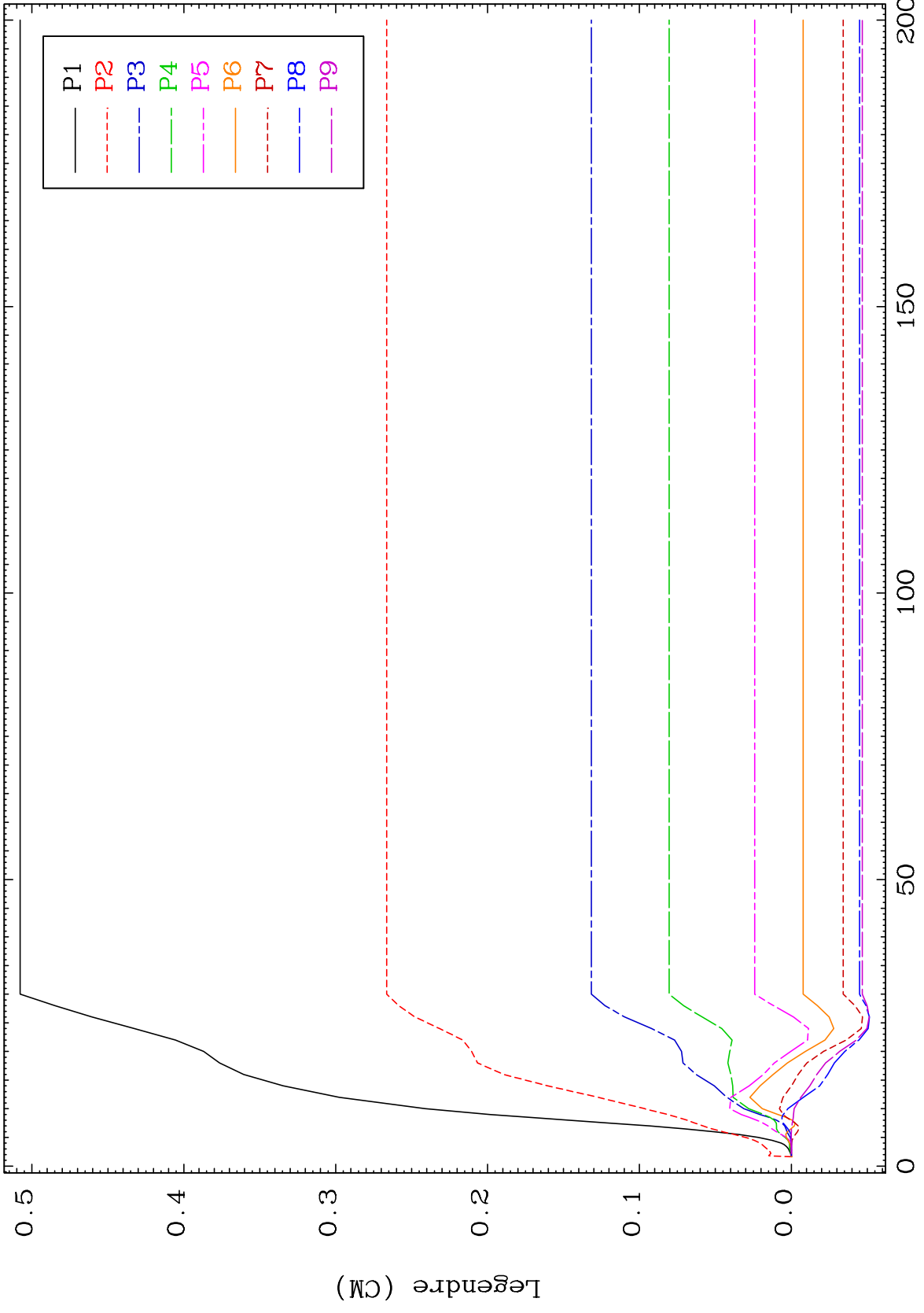


41-Nb-93

MAT 4125

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

41-Nb-93



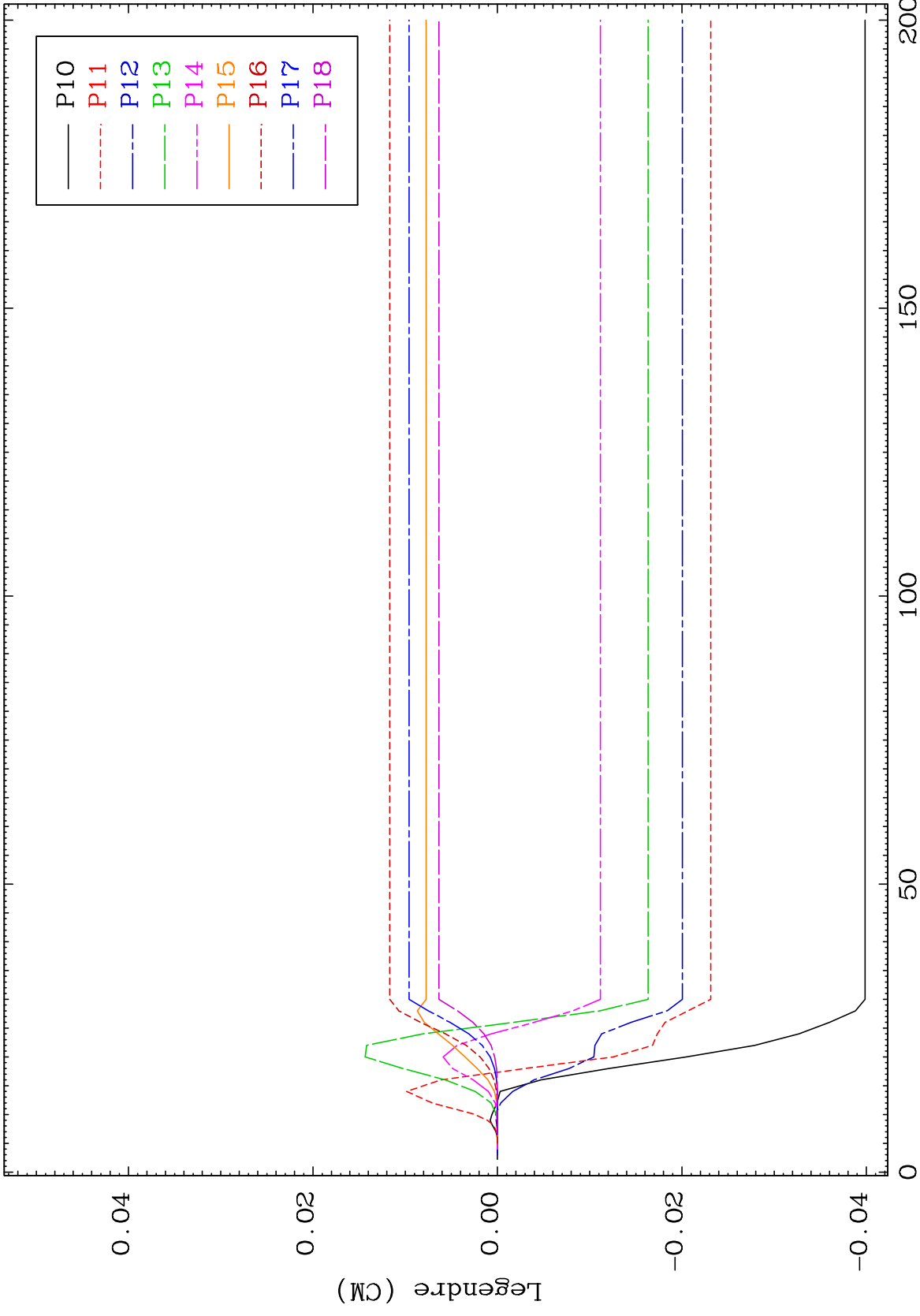
106

41-Nb-93

MAT 4125

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

41-Nb-93



107

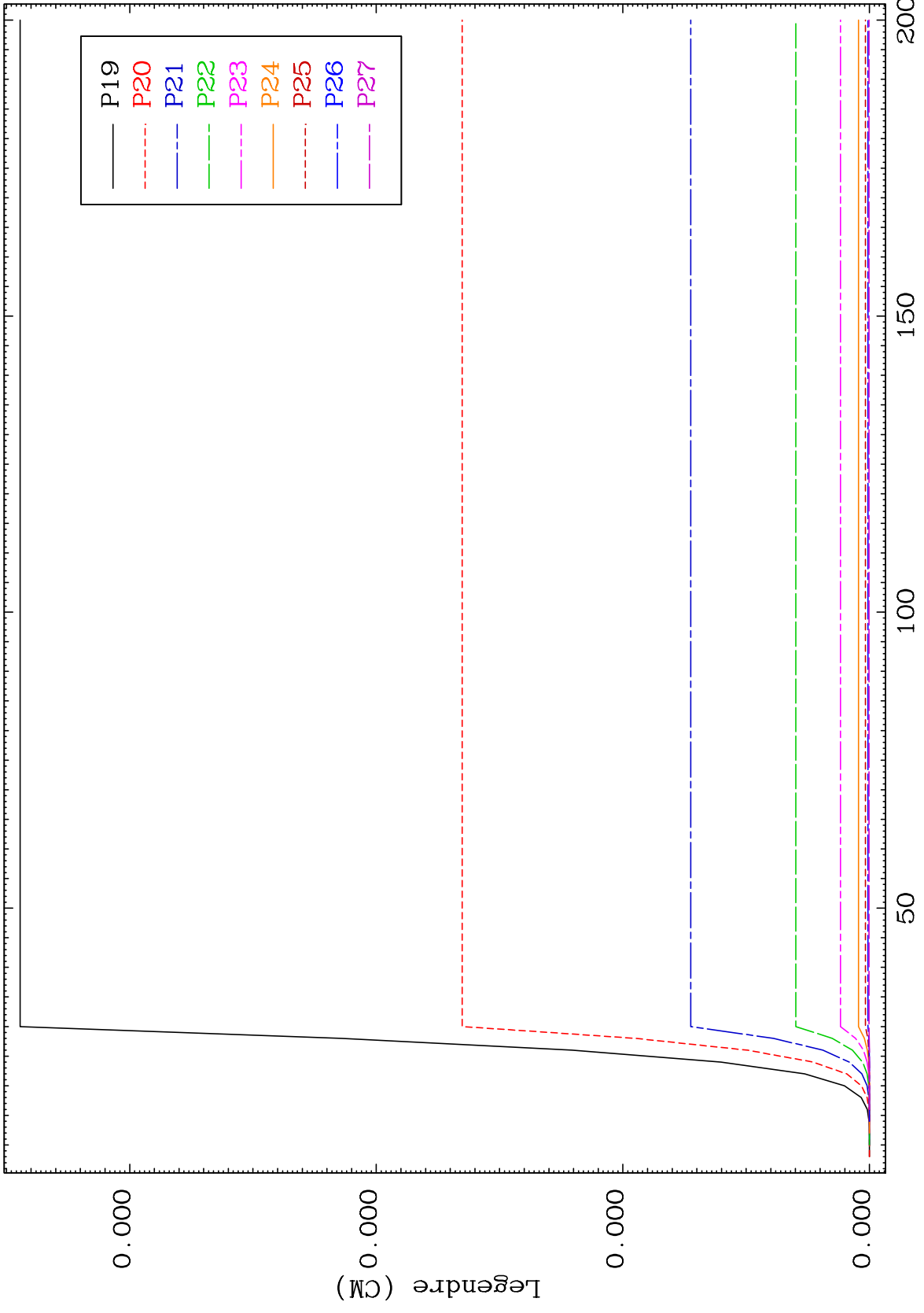
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



108

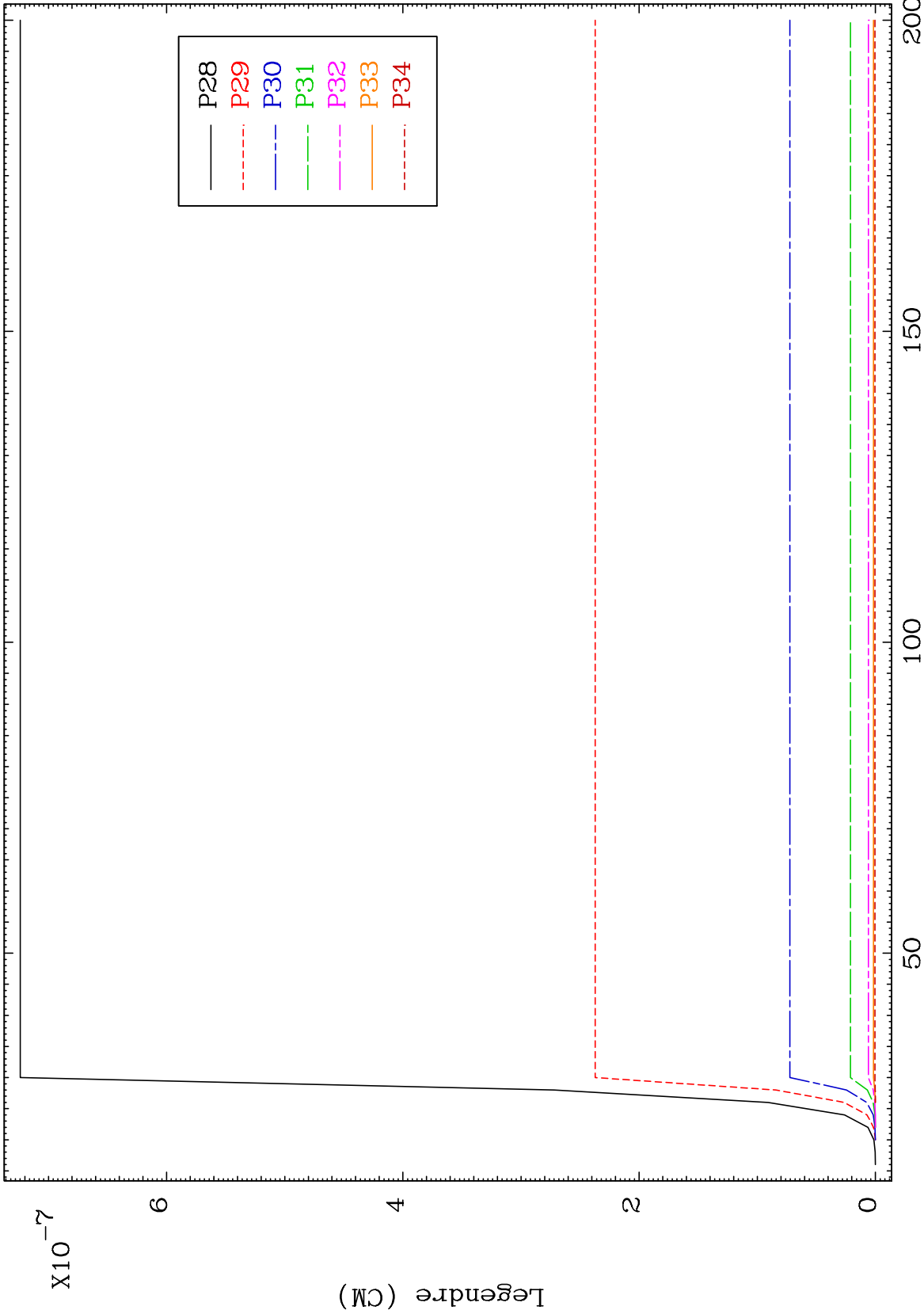
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



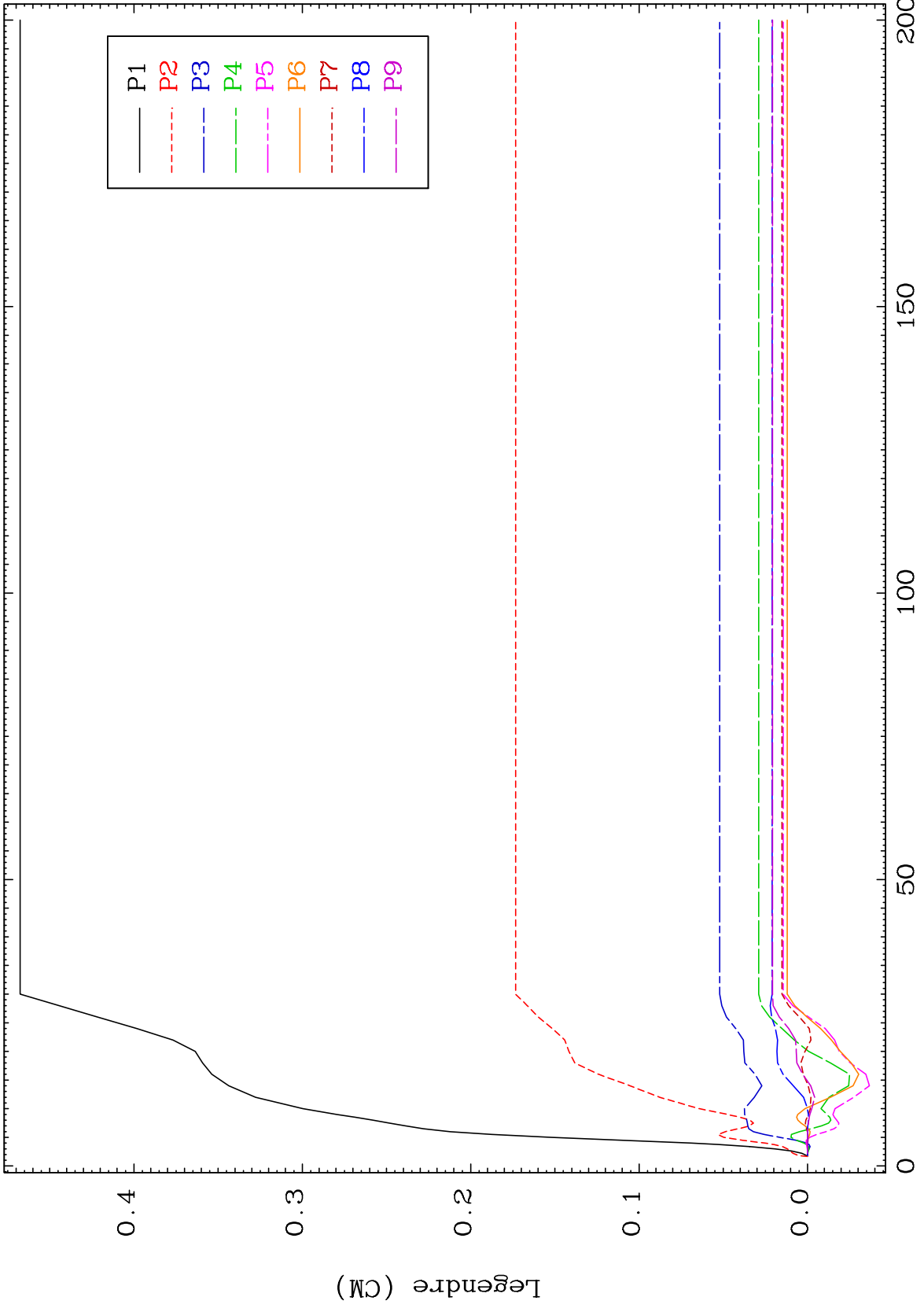
109

41-Nb-93

MAT 4125

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

41-Nb-93



110

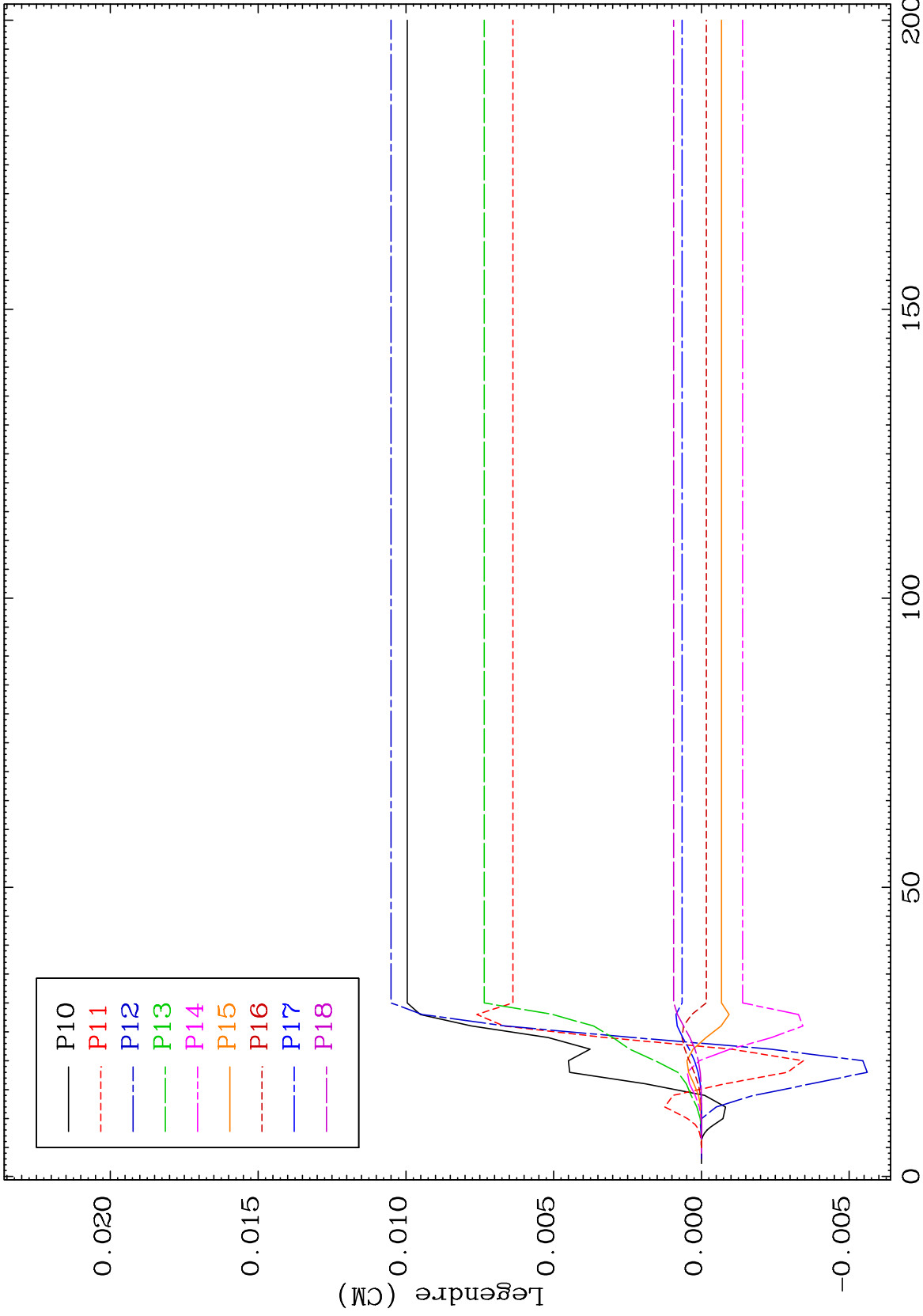
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



111

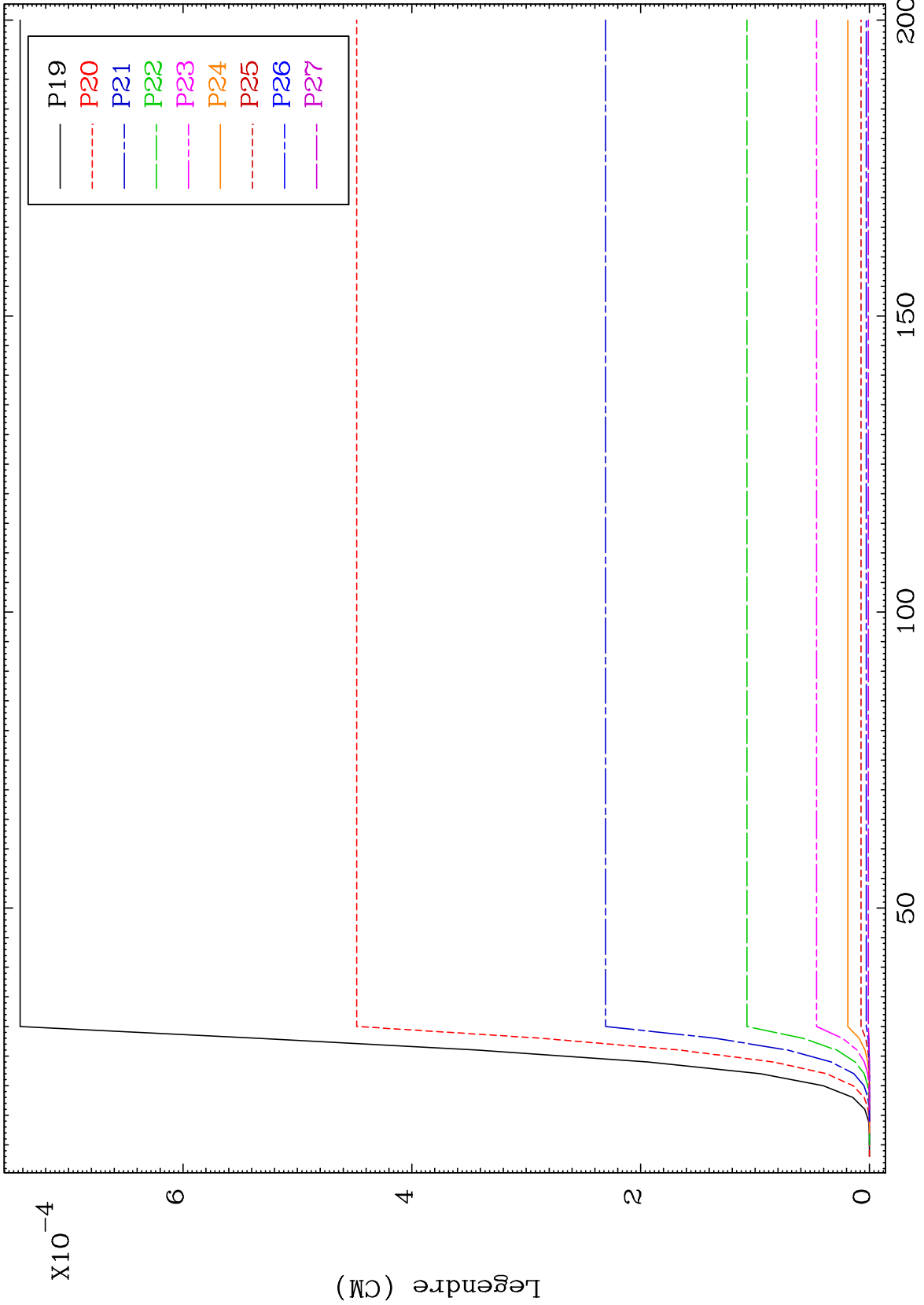
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



112

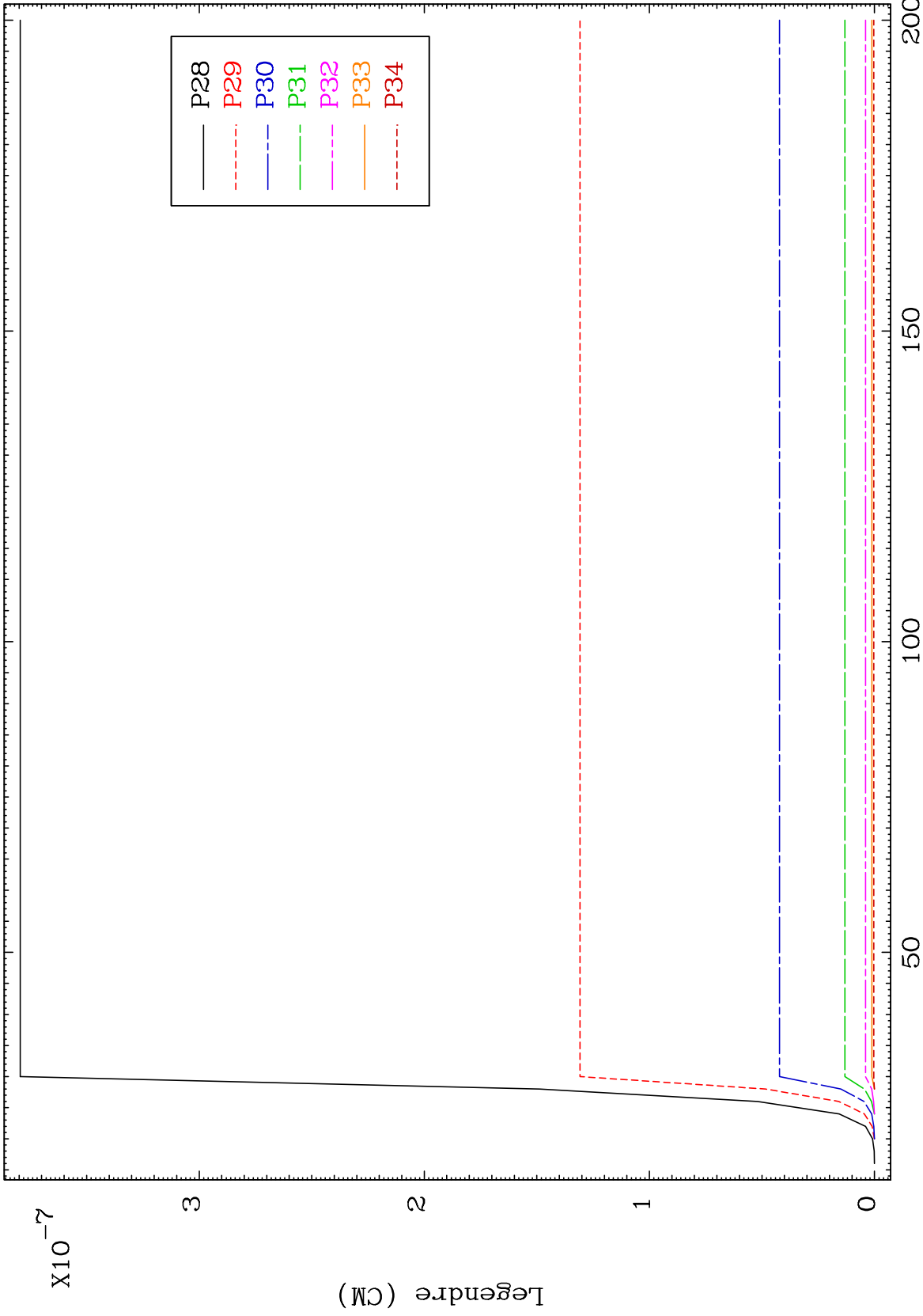
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



113

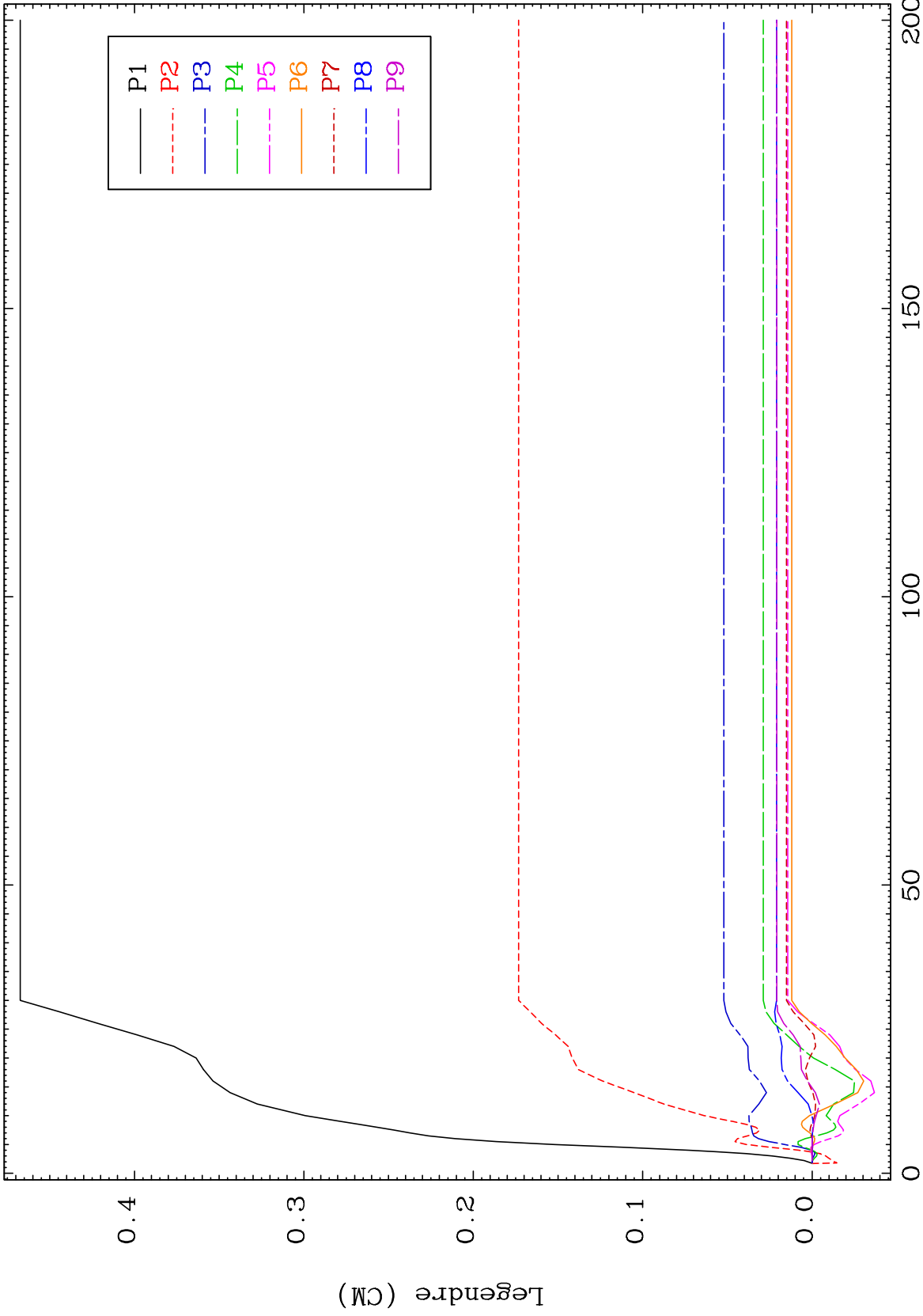
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



114

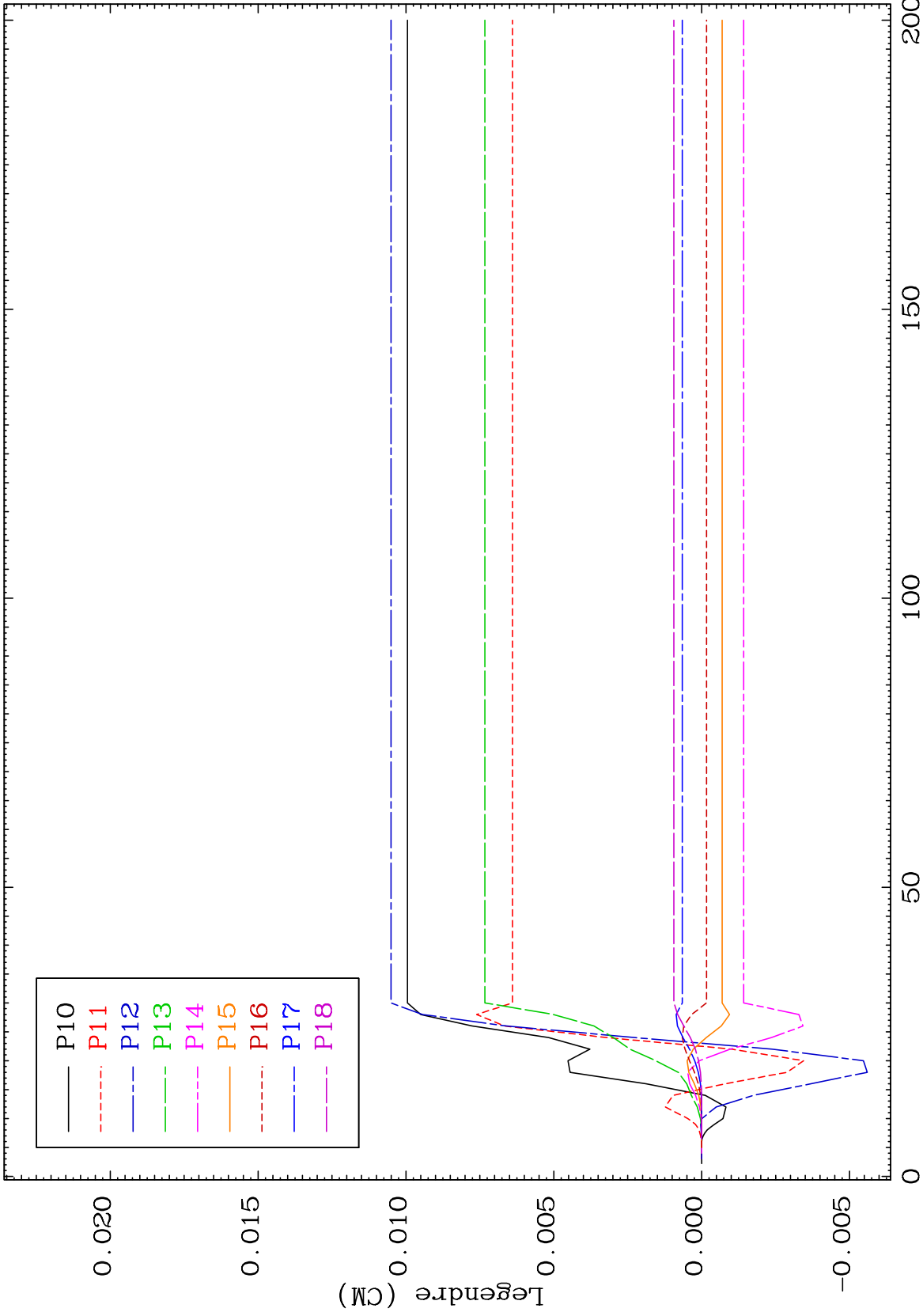
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



115

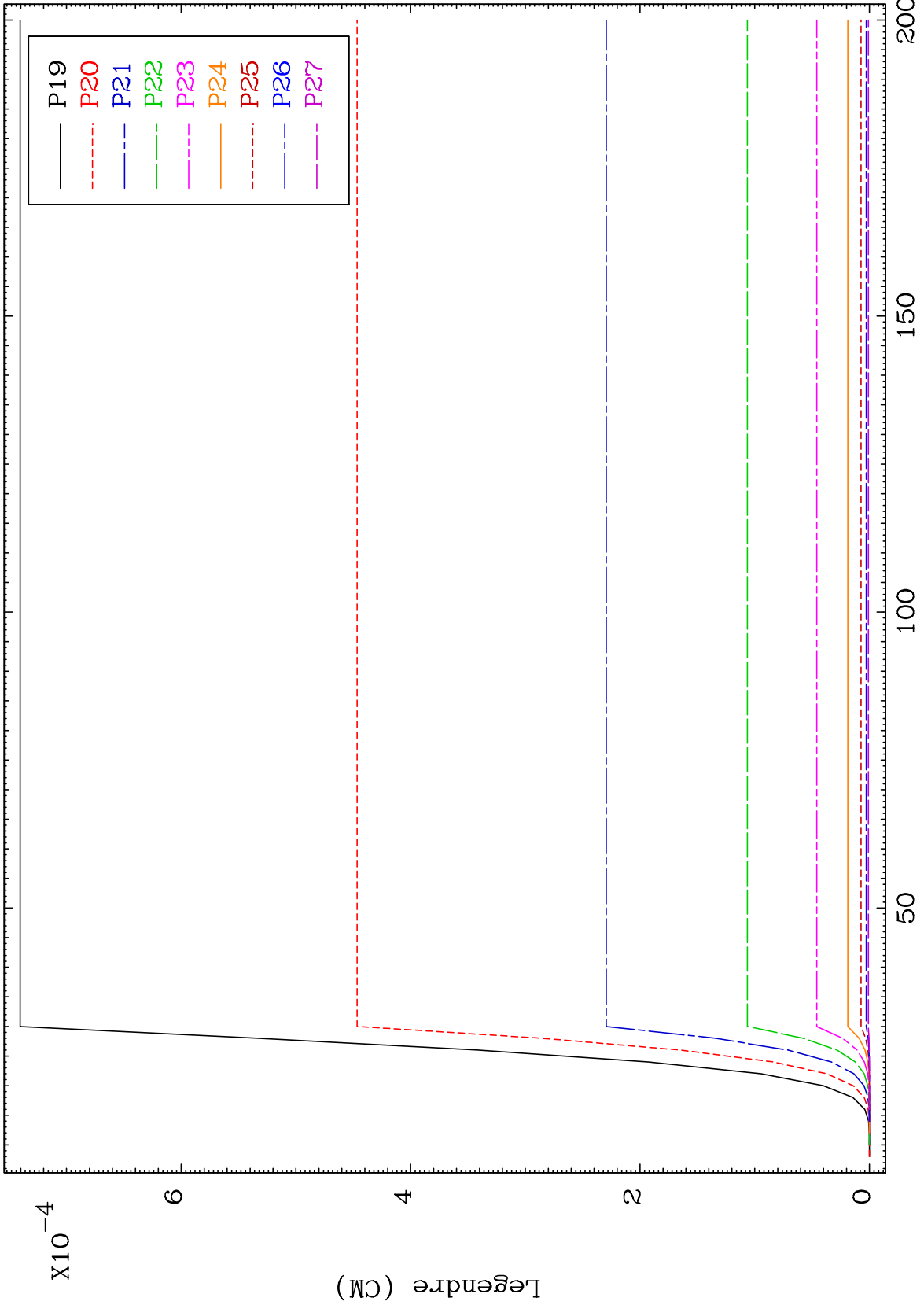
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



116

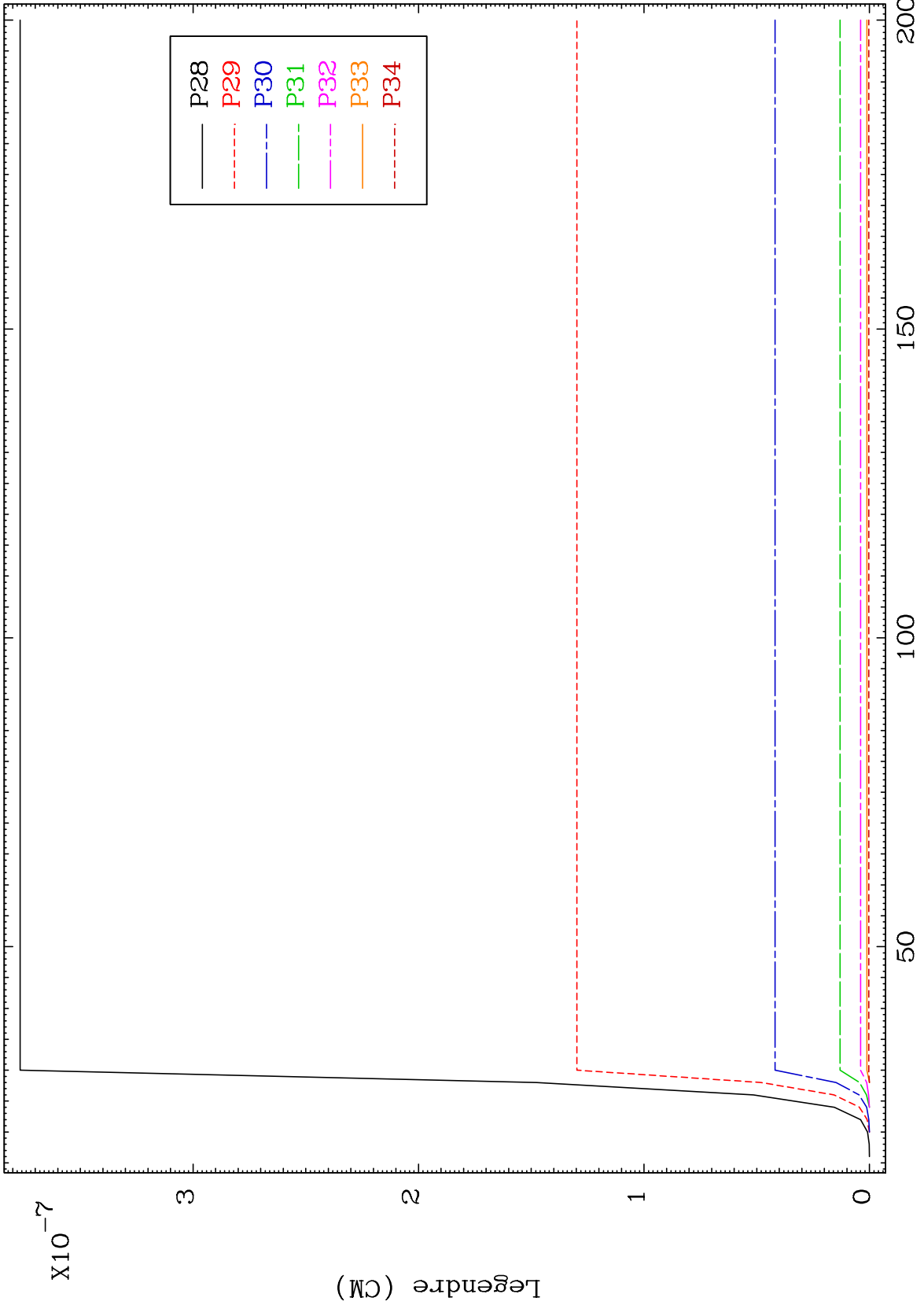
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



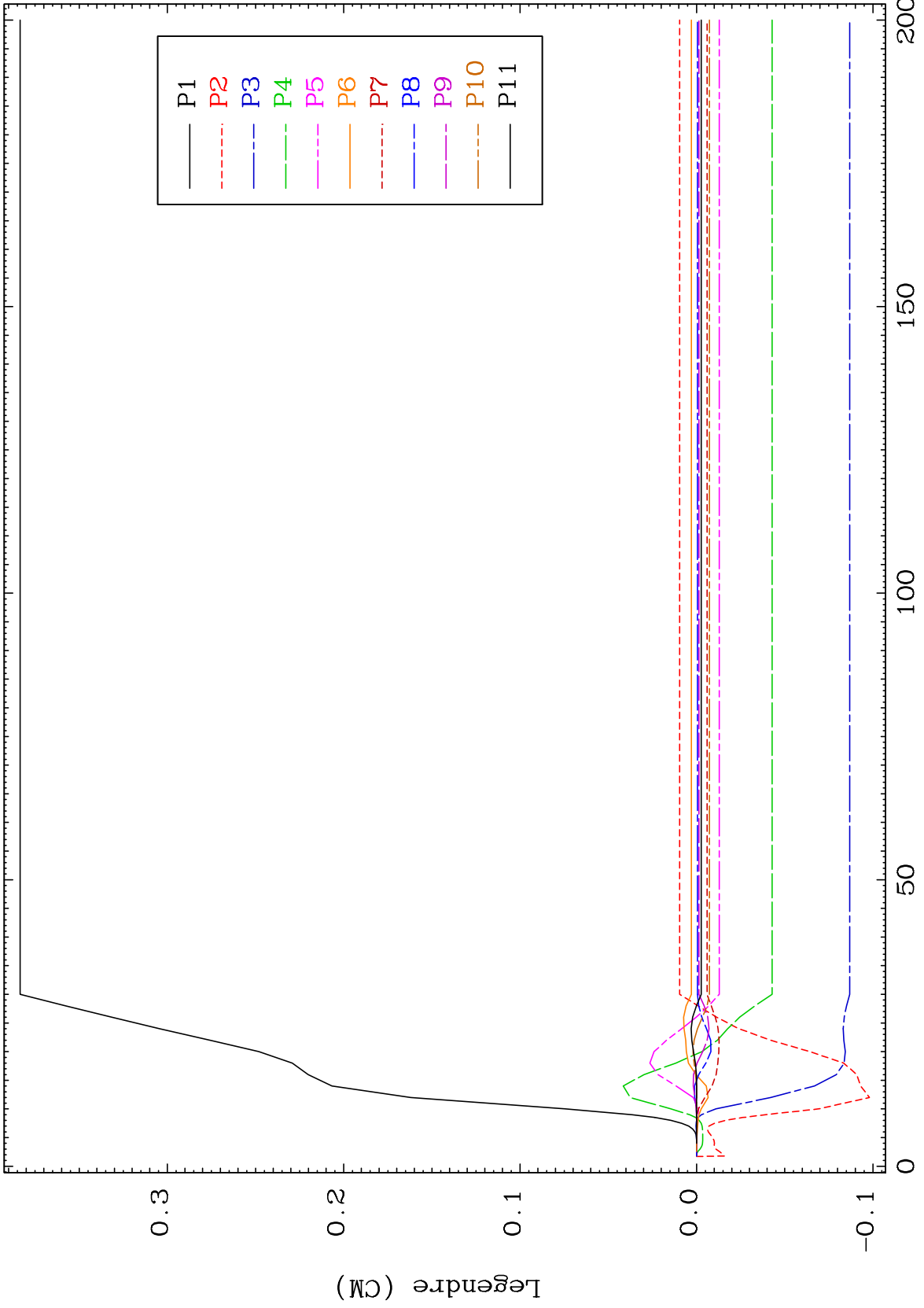
117

41-Nb-93

MAT 4125

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

41-Nb-93



118

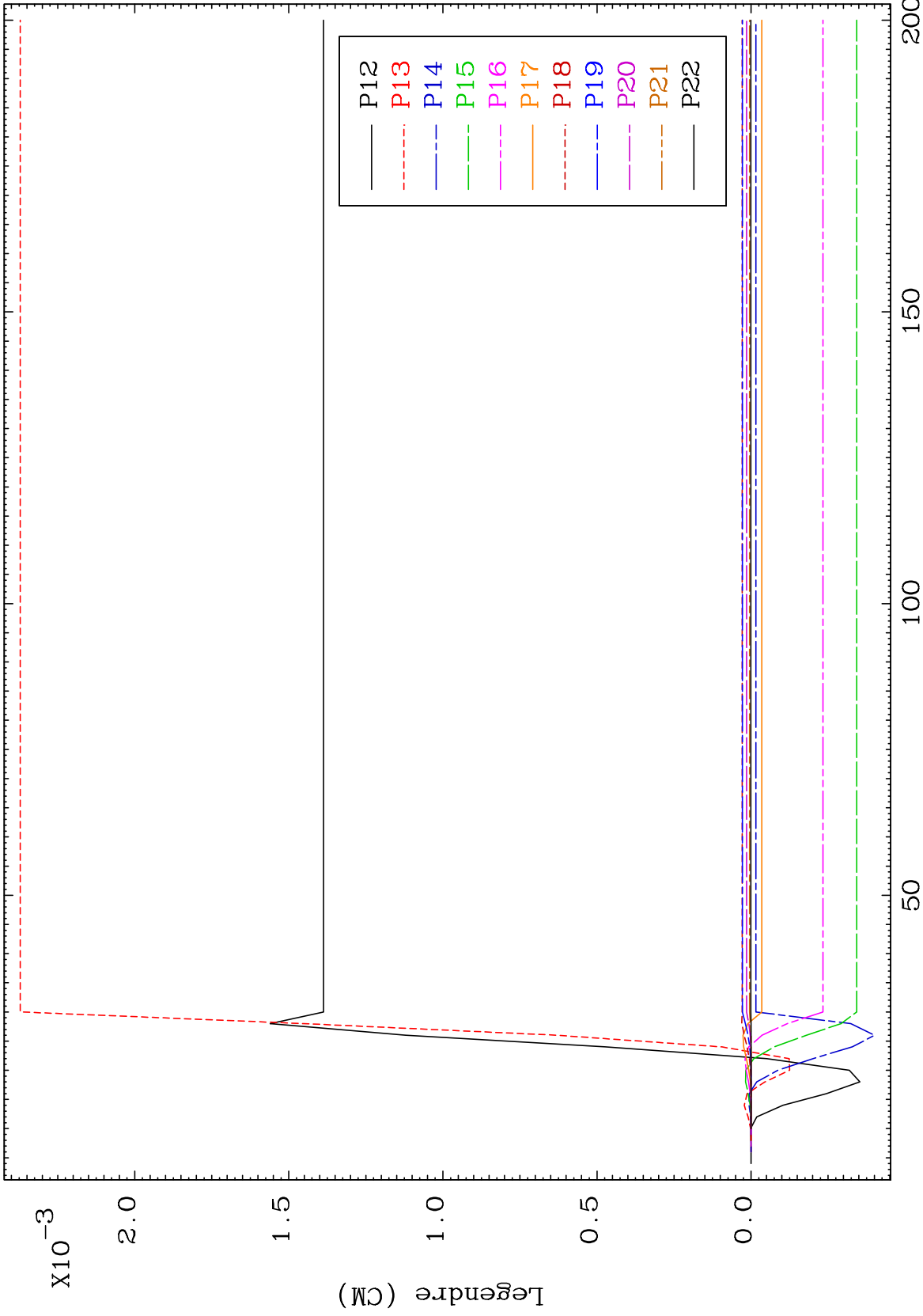
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



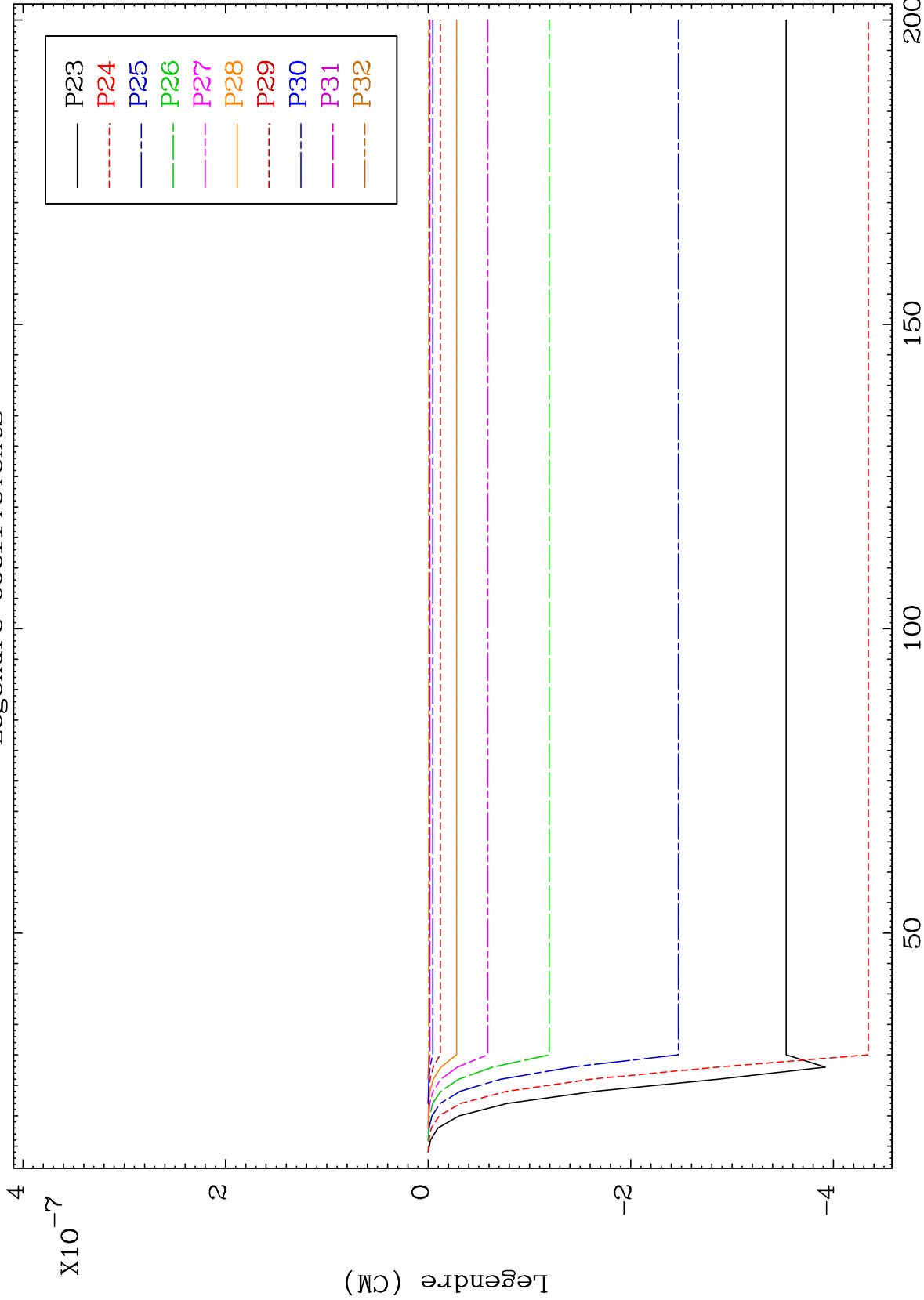
119

41-Nb-93

MAT 4125

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

41-Nb-93



120

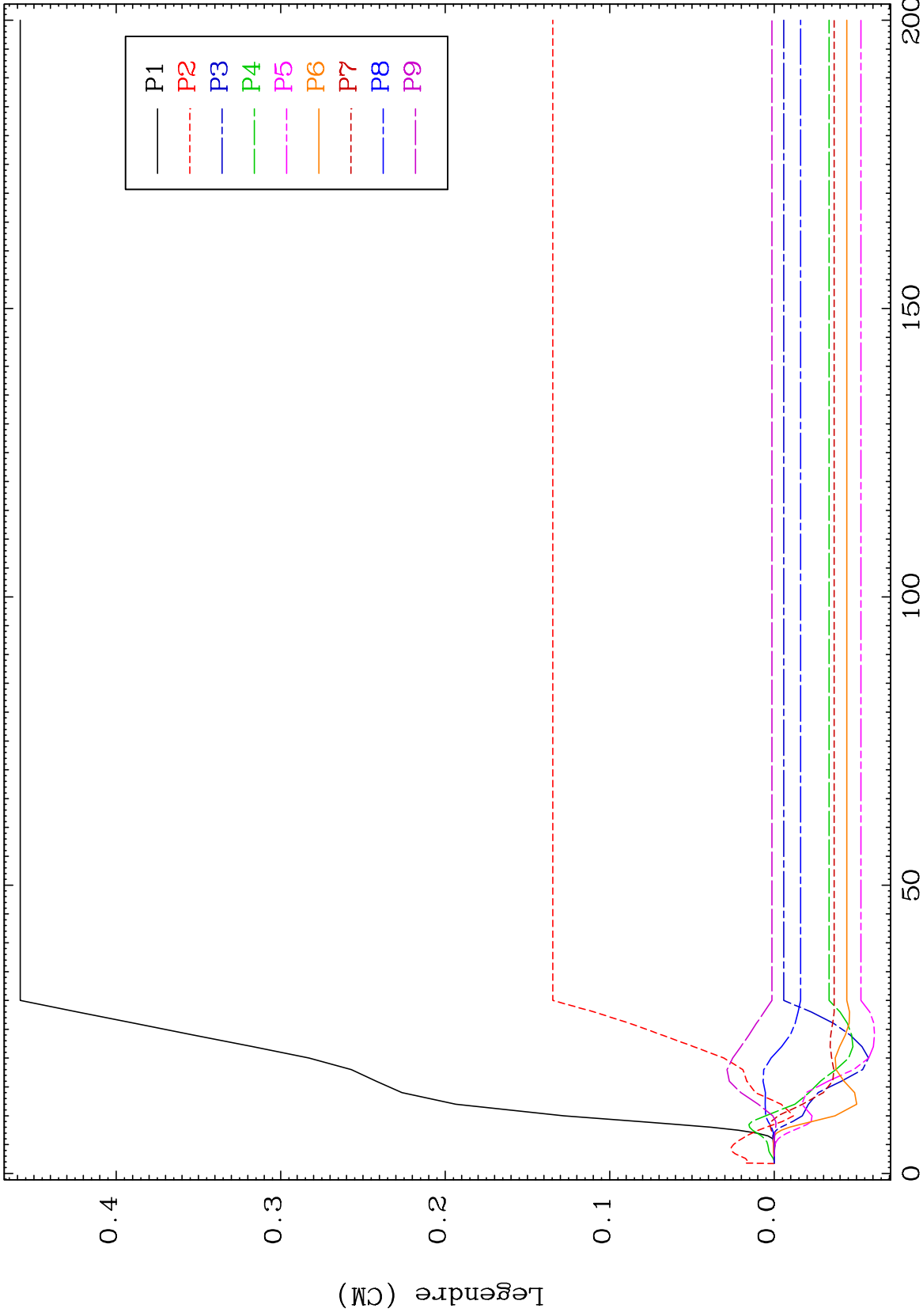
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



121

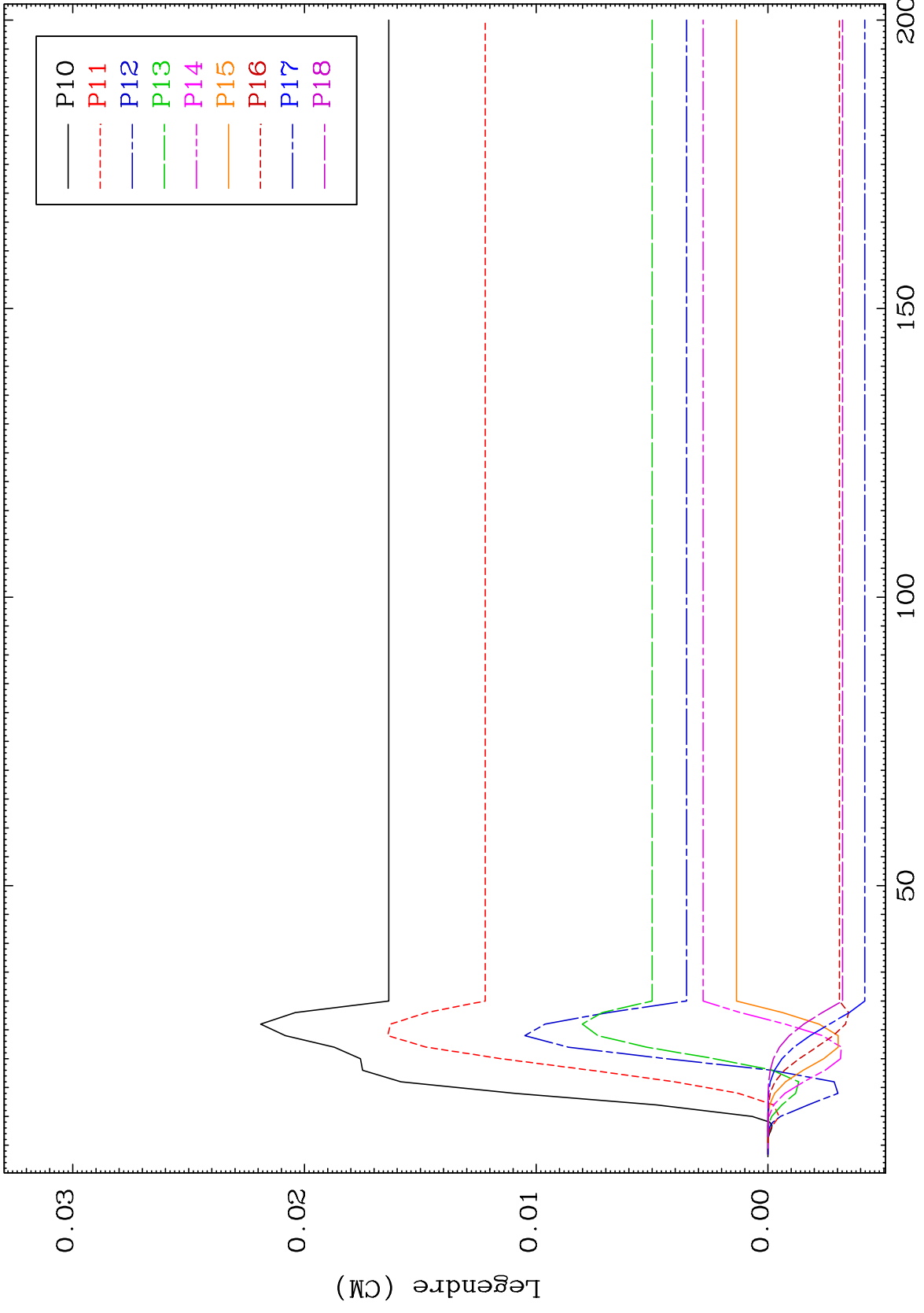
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

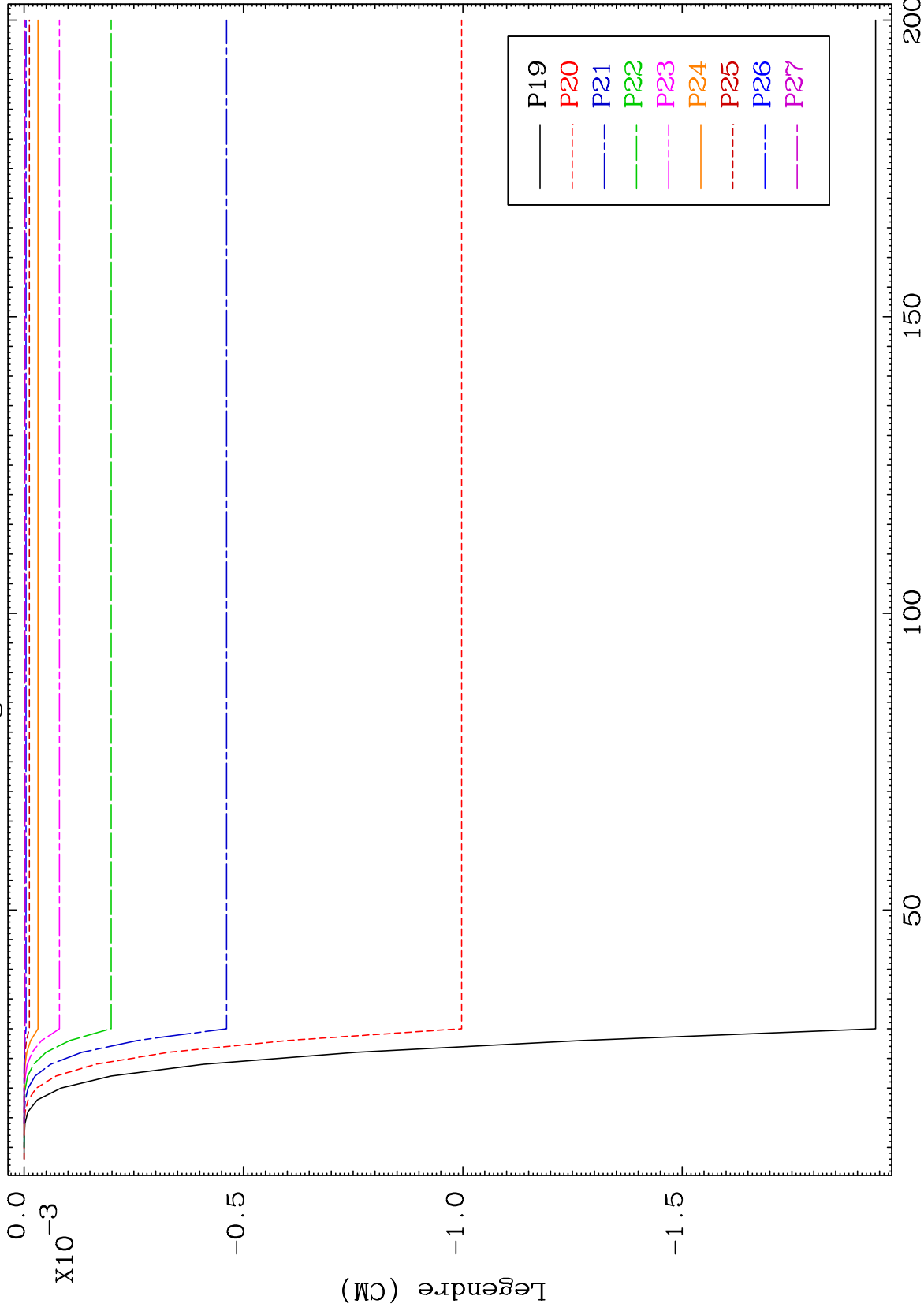
41-Nb-93



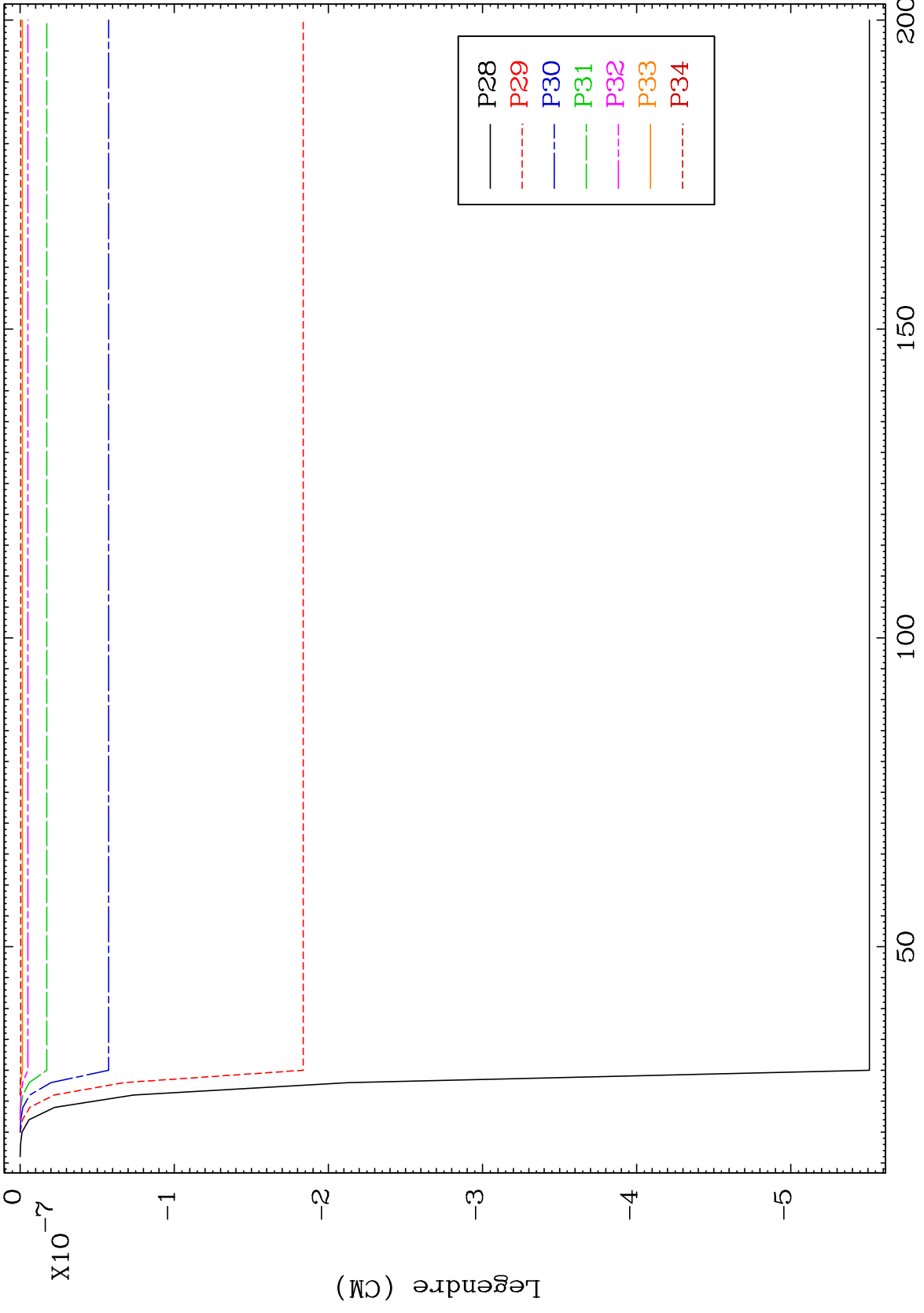
122

Incident Energy (MeV)

41-Nb-93



MAT 4125 MT= 78 (n,n') Level Legendre Coefficients 41-Nb-93

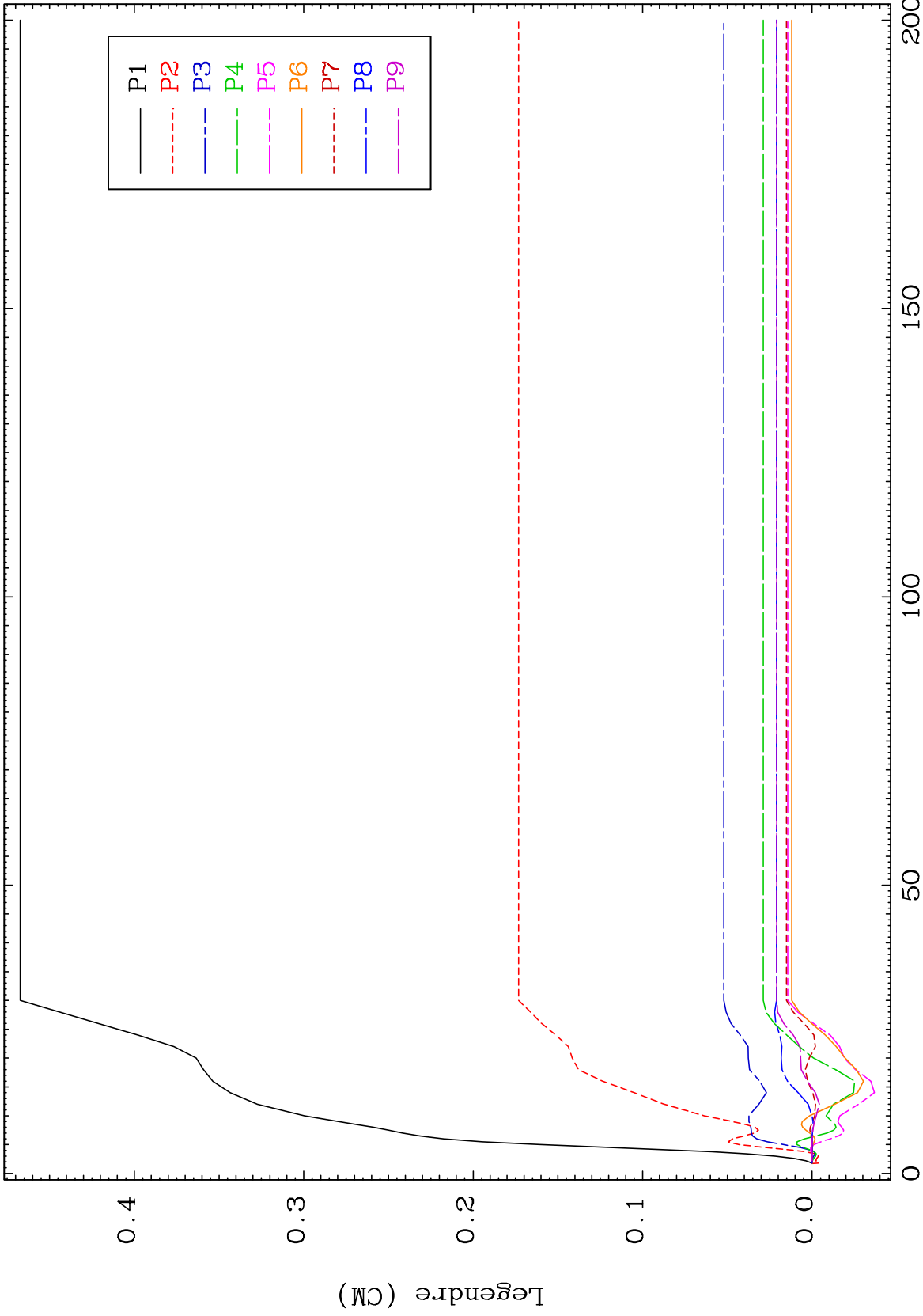


124 41-Nb-93

MAT 4125

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

41-Nb-93



125

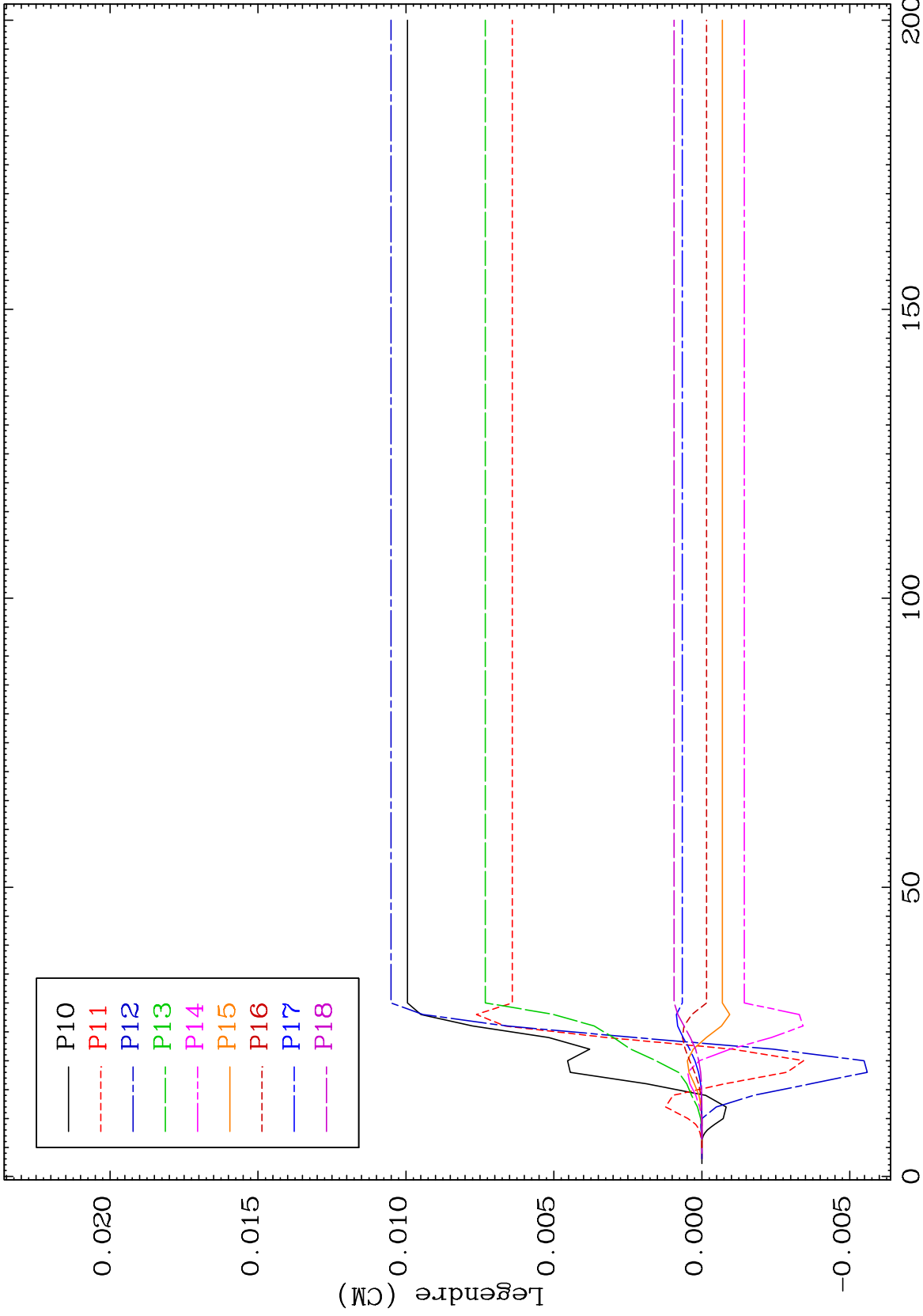
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



126

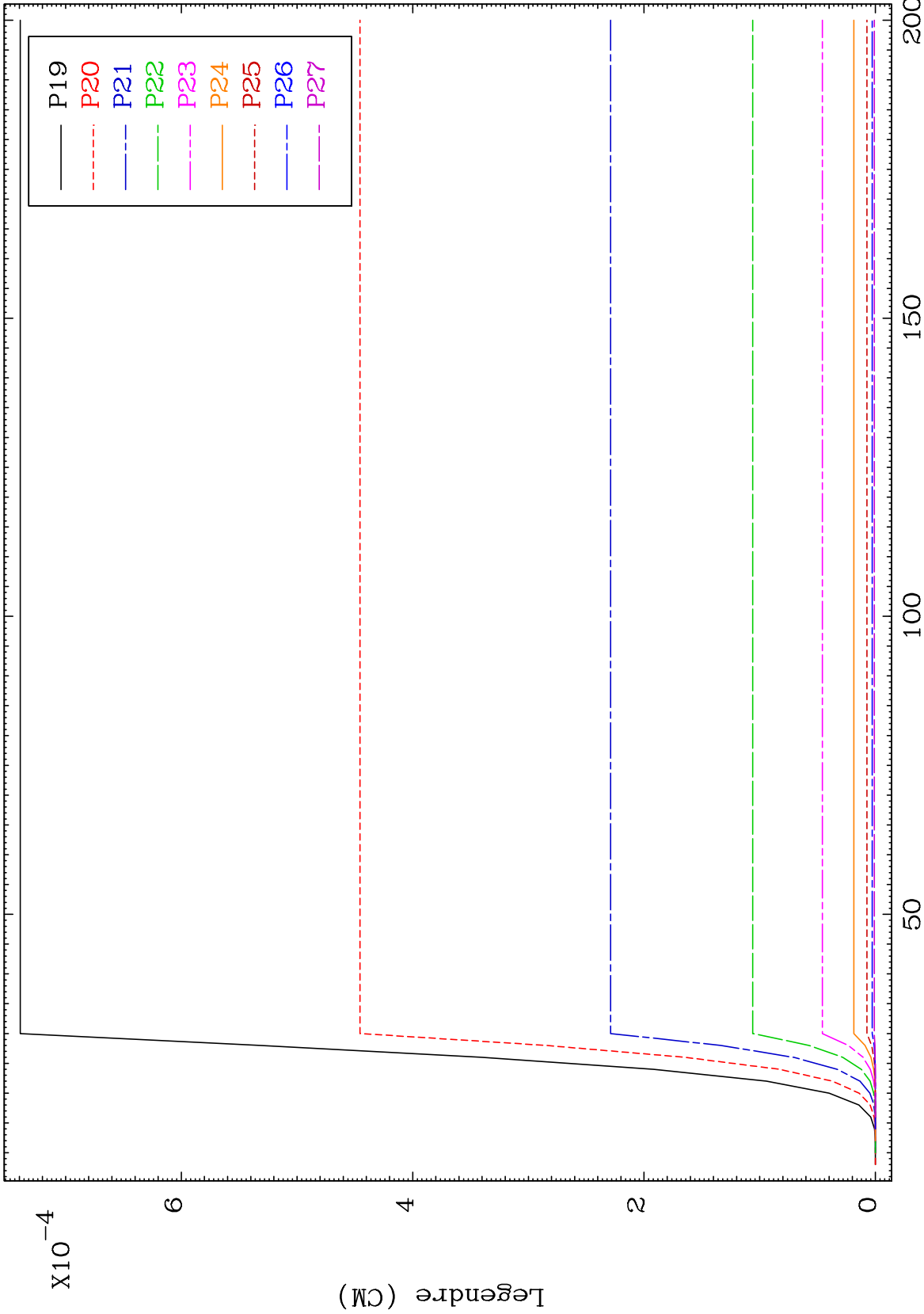
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



127

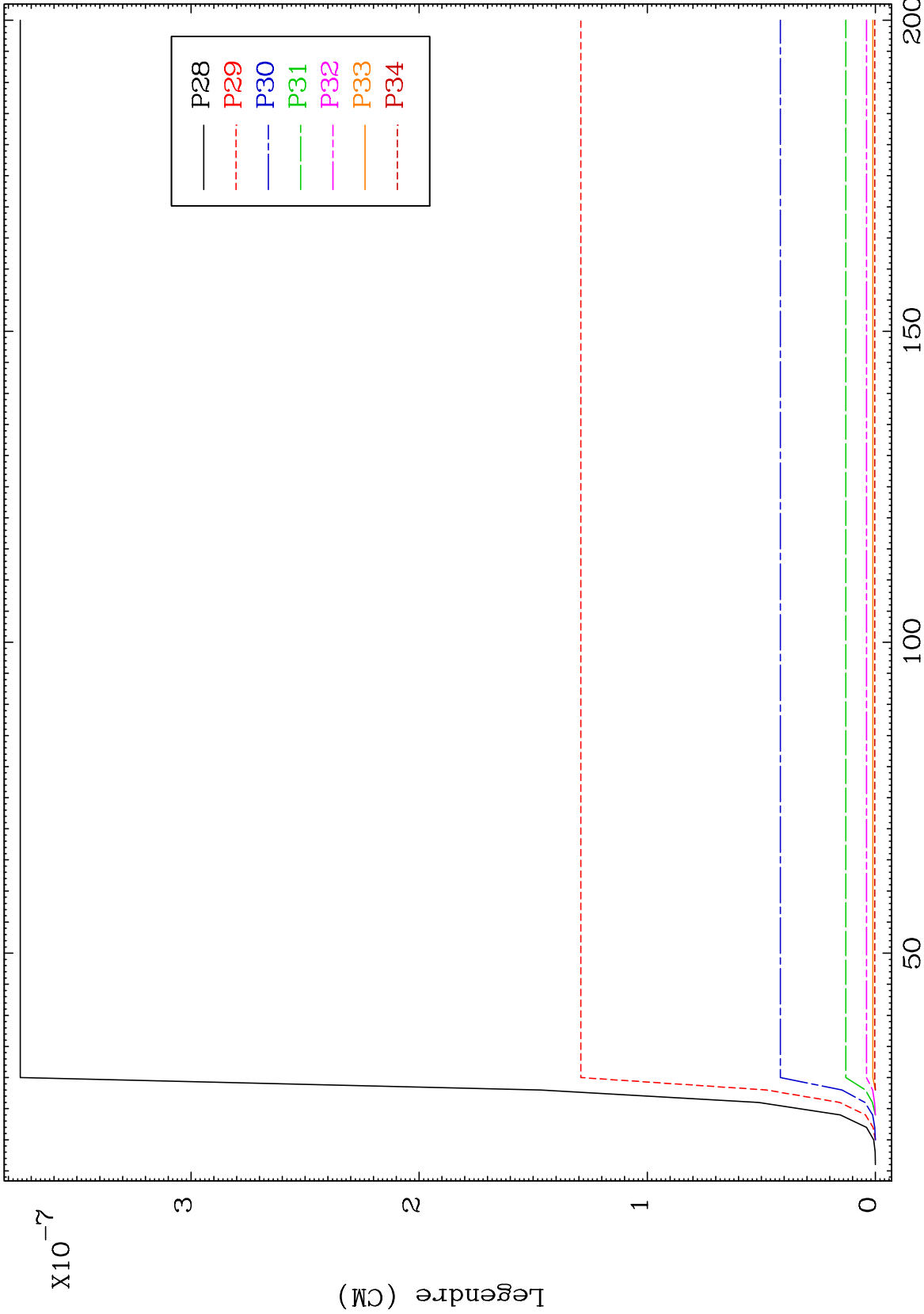
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



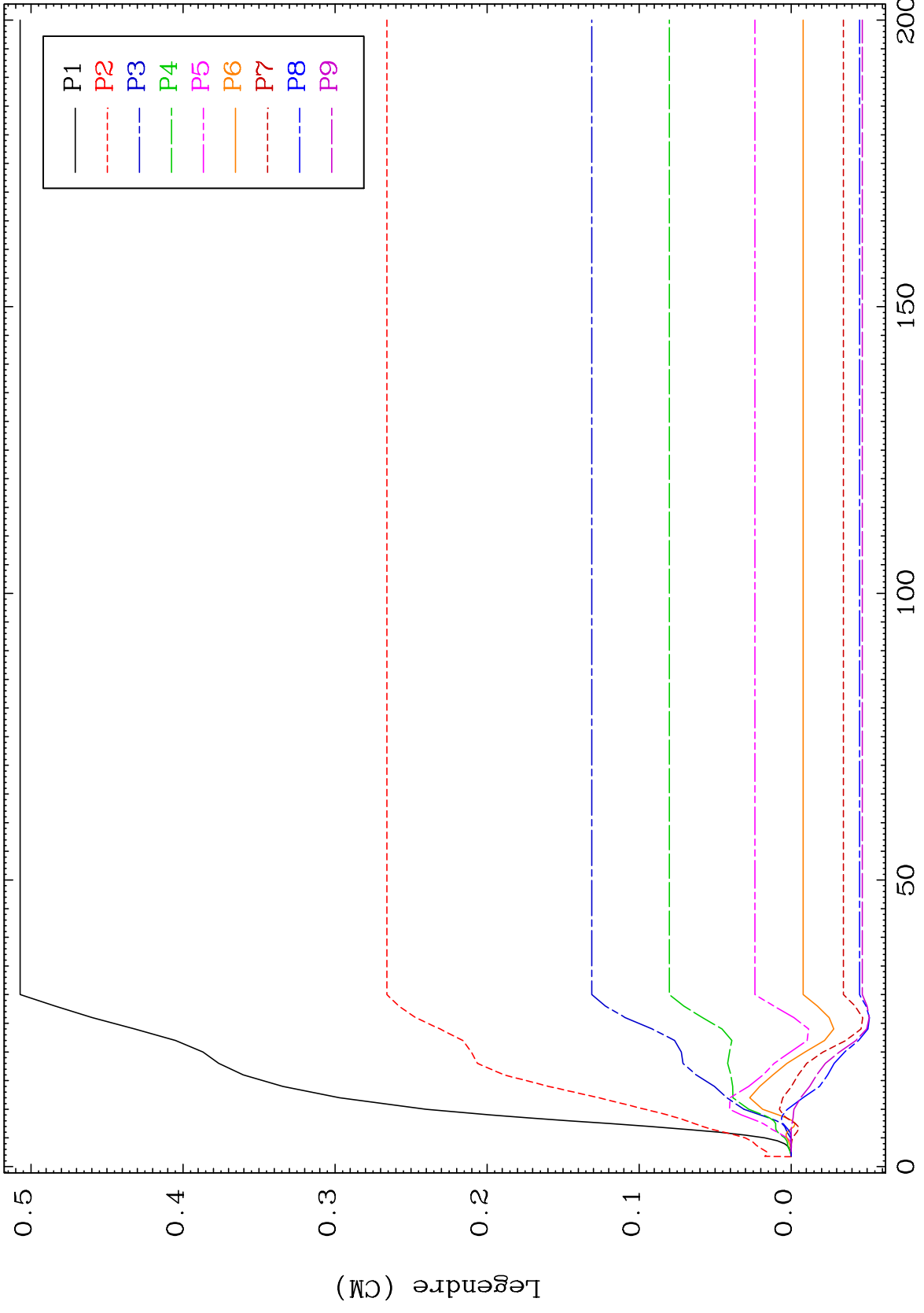
128

41-Nb-93

MAT 4125

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

41-Nb-93



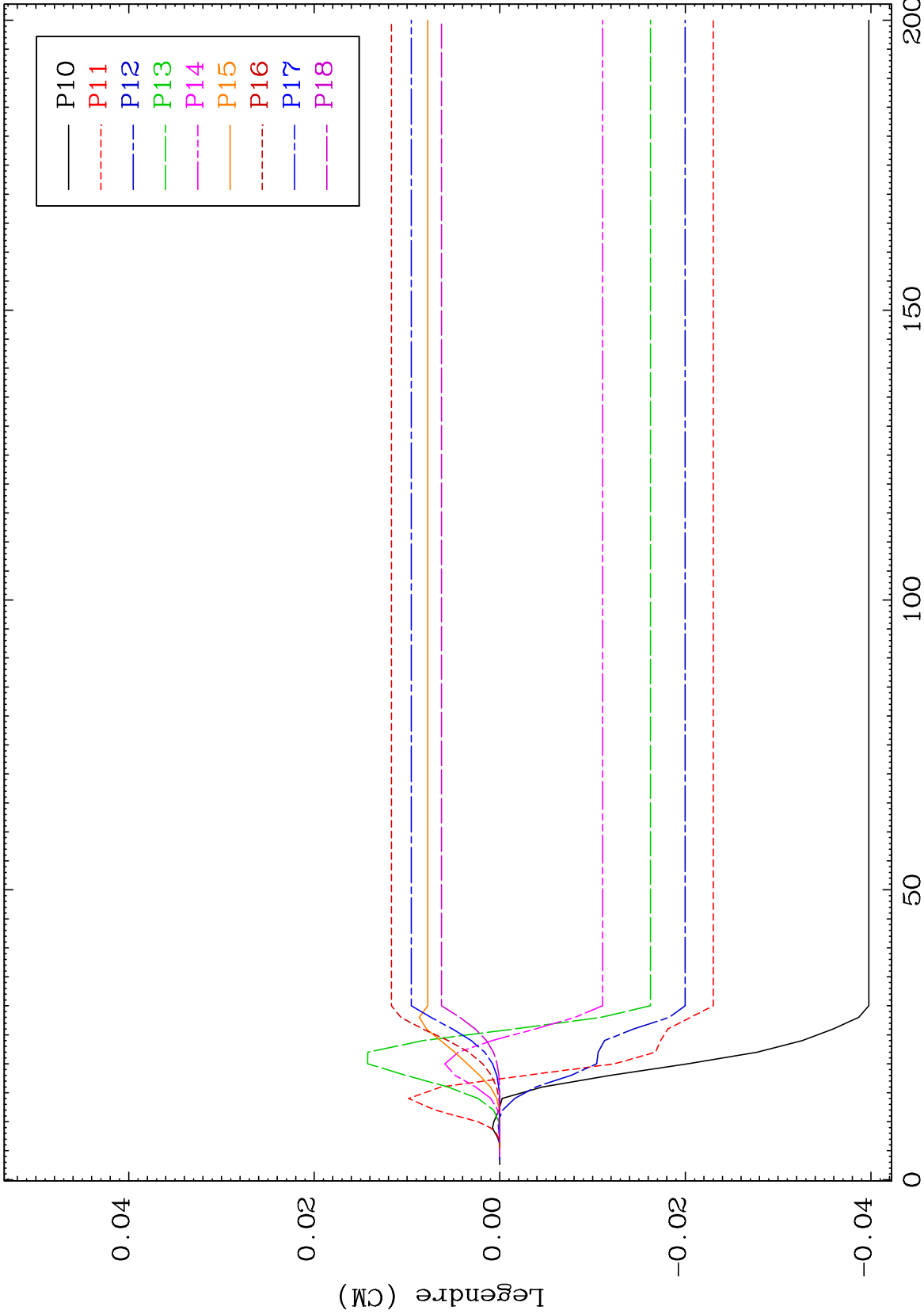
129

41-Nb-93

MAT 4125

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

41-Nb-93



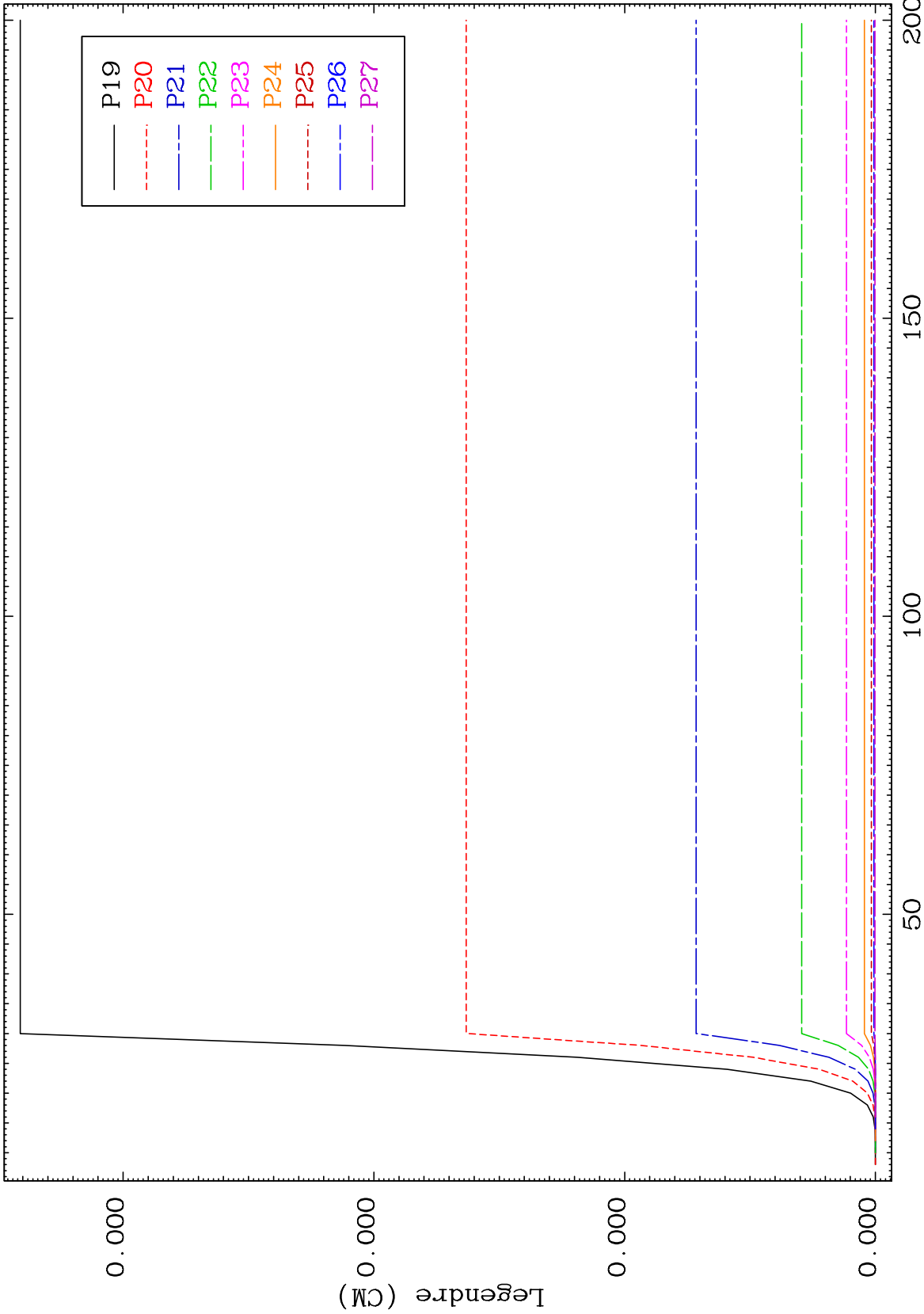
130

41-Nb-93

MAT 4125

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

41-Nb-93



131

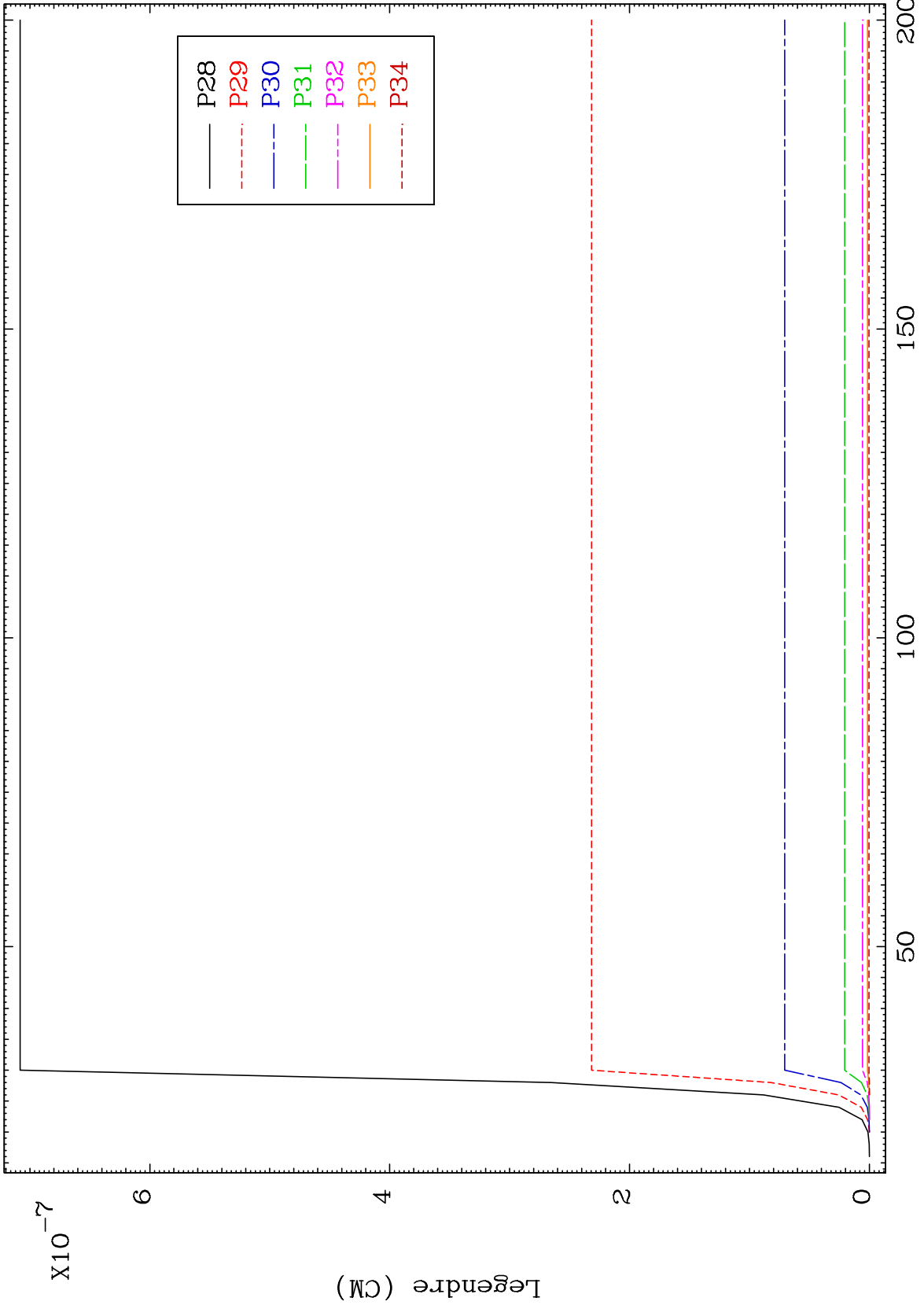
Incident Energy (MeV)

41-Nb-93

MAT 4125

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

41-Nb-93



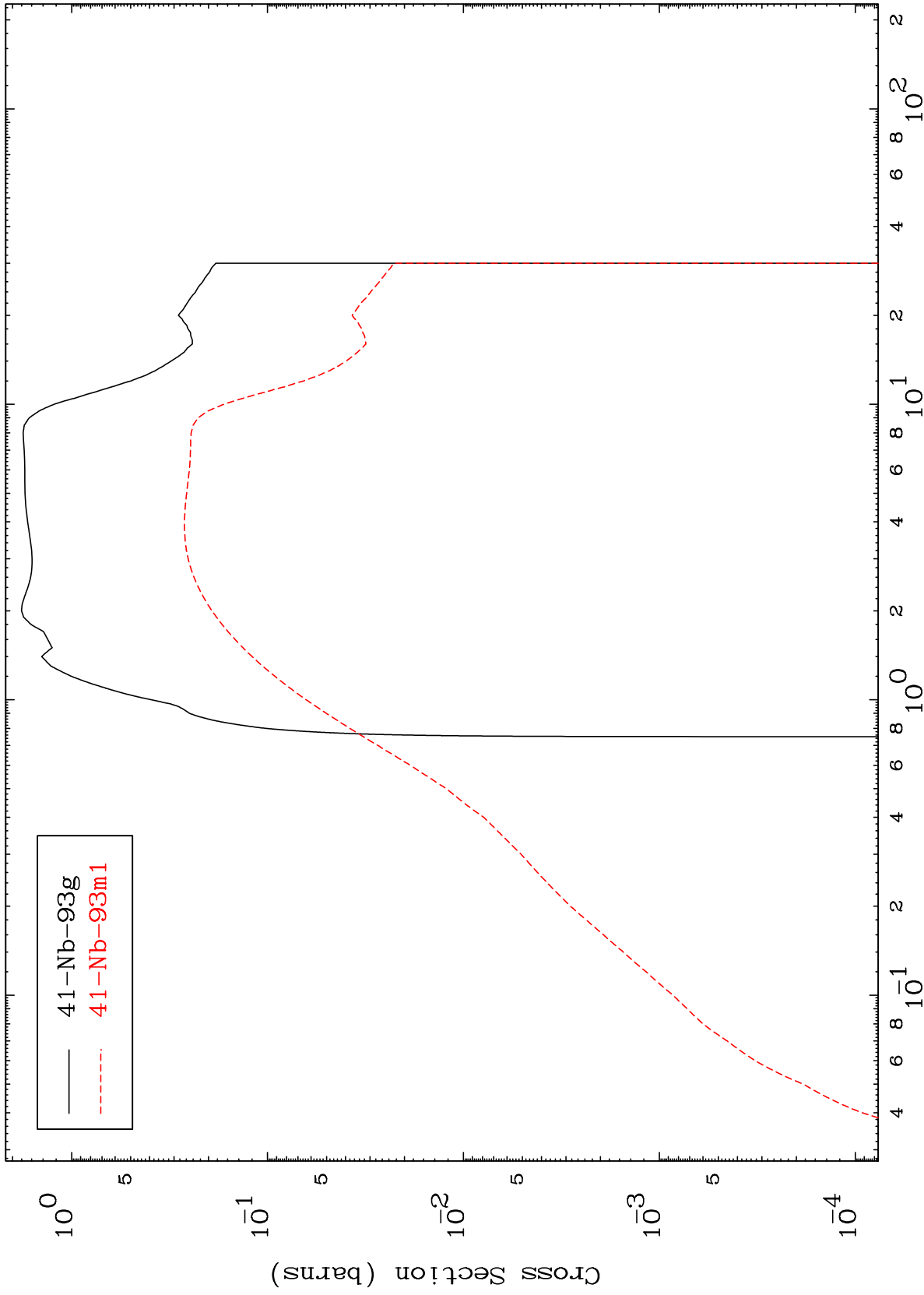
132

41-Nb-93

MAT 4125

41-Nb-93

Inelastic
Radionuclide Production Cross Section



133

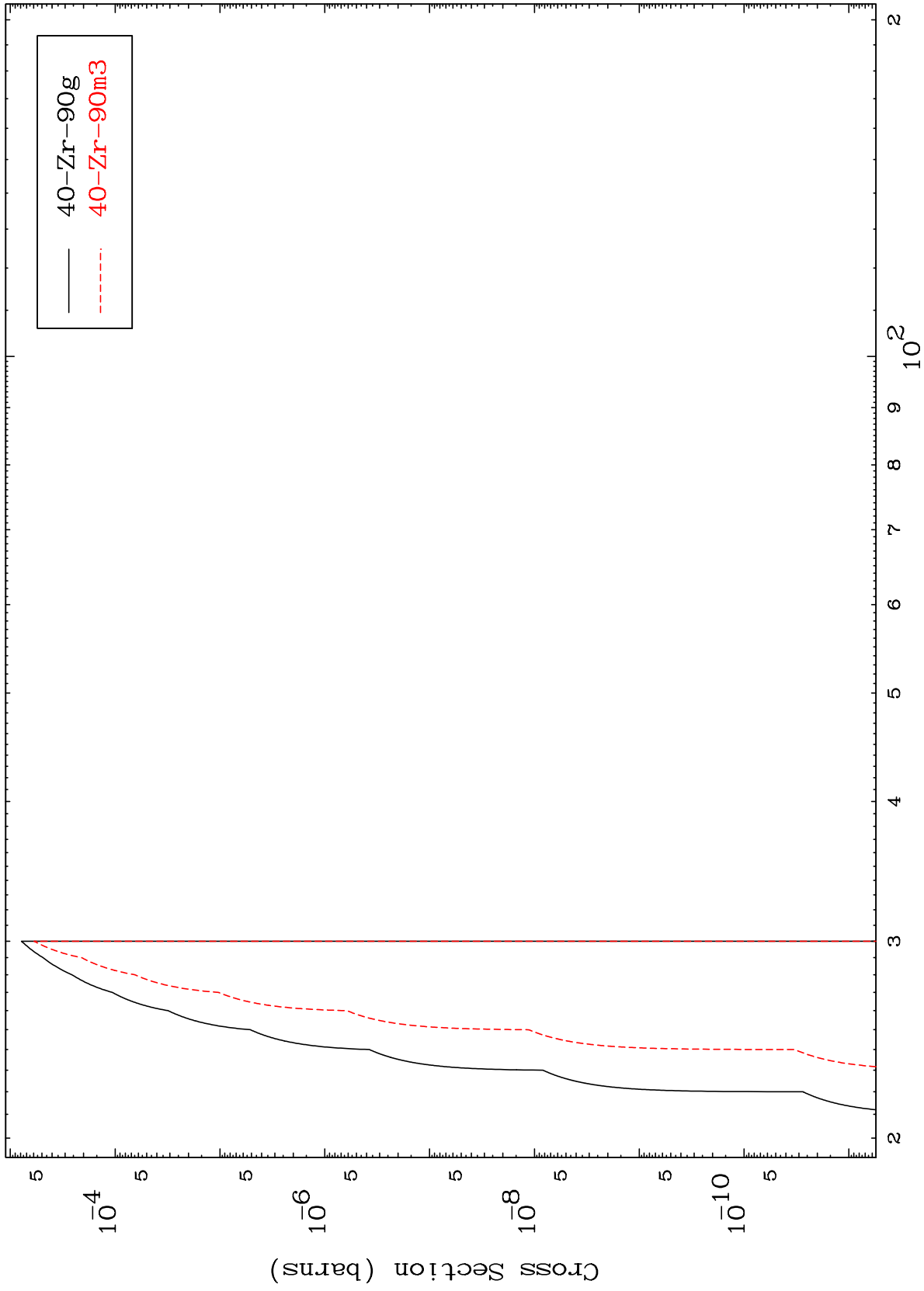
41-Nb-93

MAT 4125

(n,2n) d

41-Nb-93

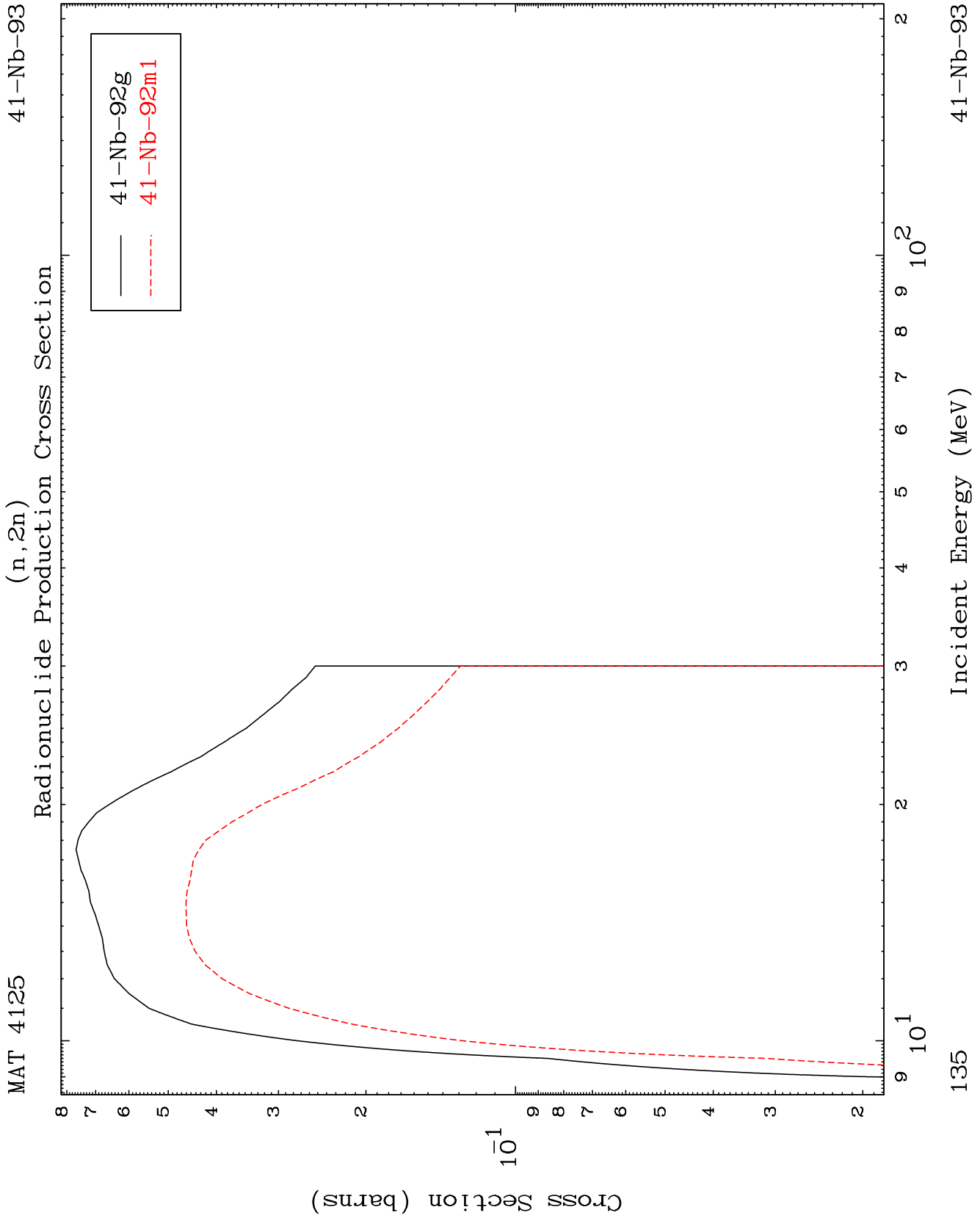
Radionuclide Production Cross Section



134

Incident Energy (MeV)

41-Nb-93

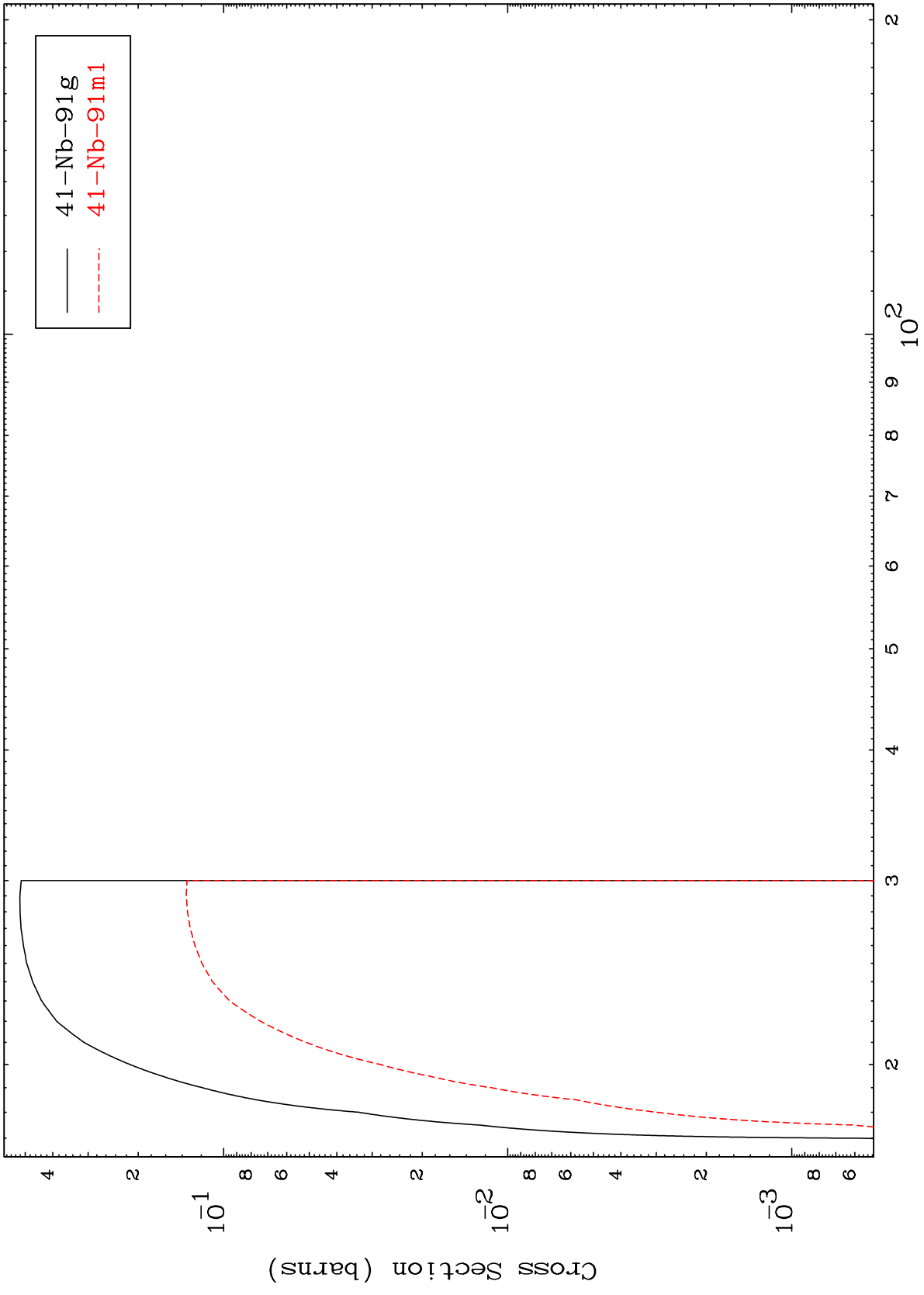


MAT 4125

(n,3n)

41-Nb-93

Radionuclide Production Cross Section



136

Incident Energy (MeV)

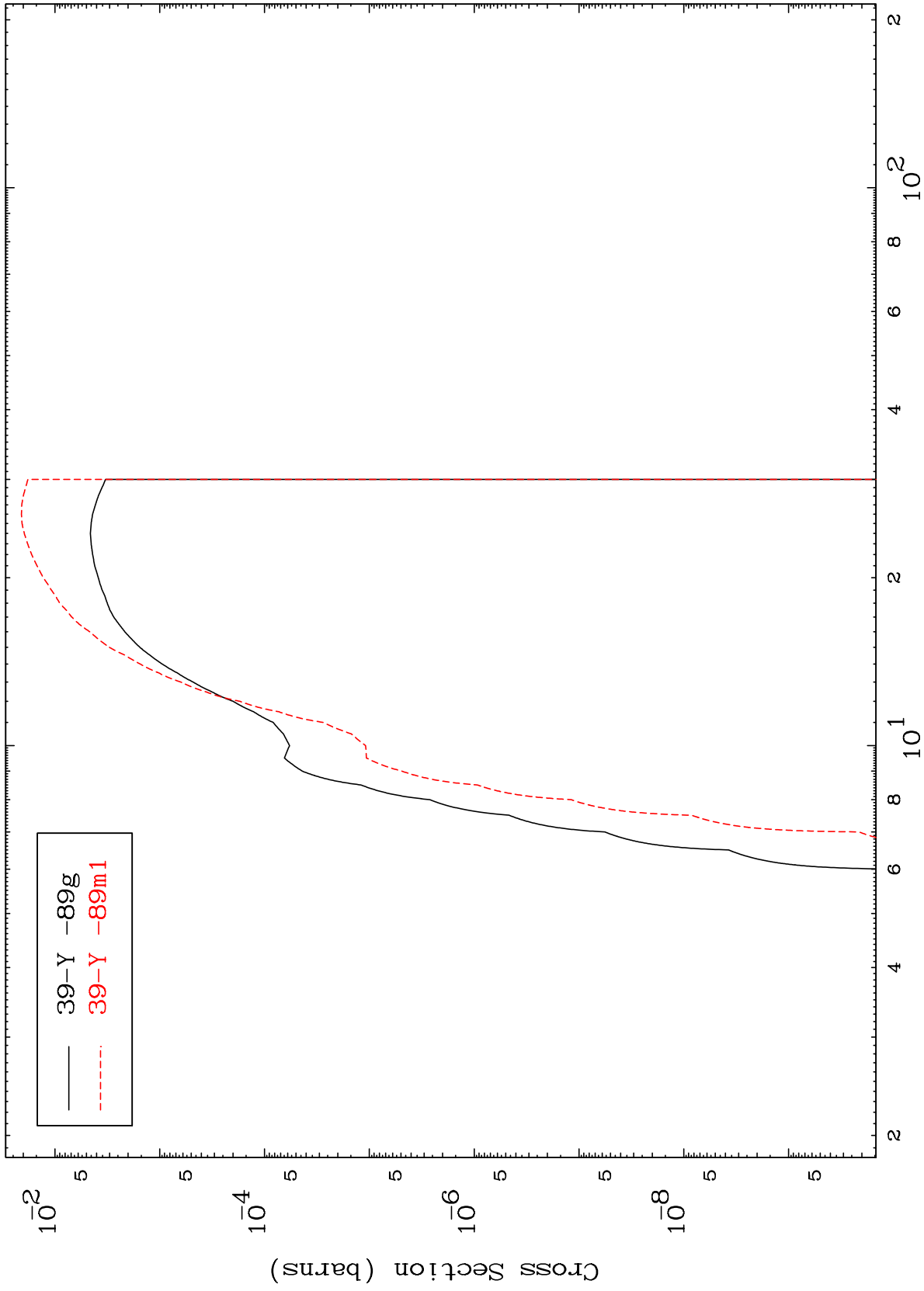
41-Nb-93

MAT 4125

(n,n') α

41-Nb-93

Radionuclide Production Cross Section



137

Incident Energy (MeV)

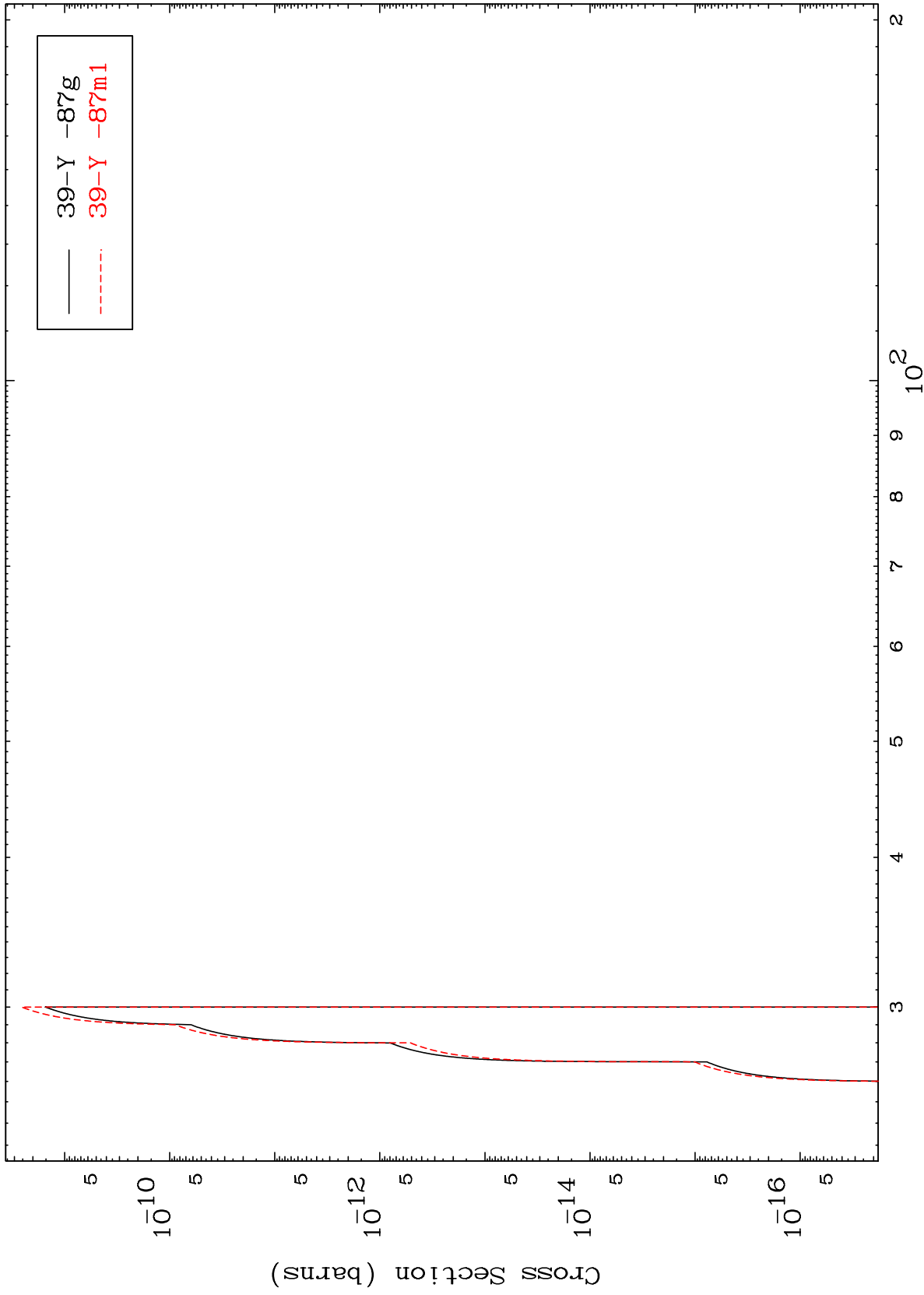
41-Nb-93

MAT 4125

(n,3n) α

41-Nb-93

Radionuclide Production Cross Section

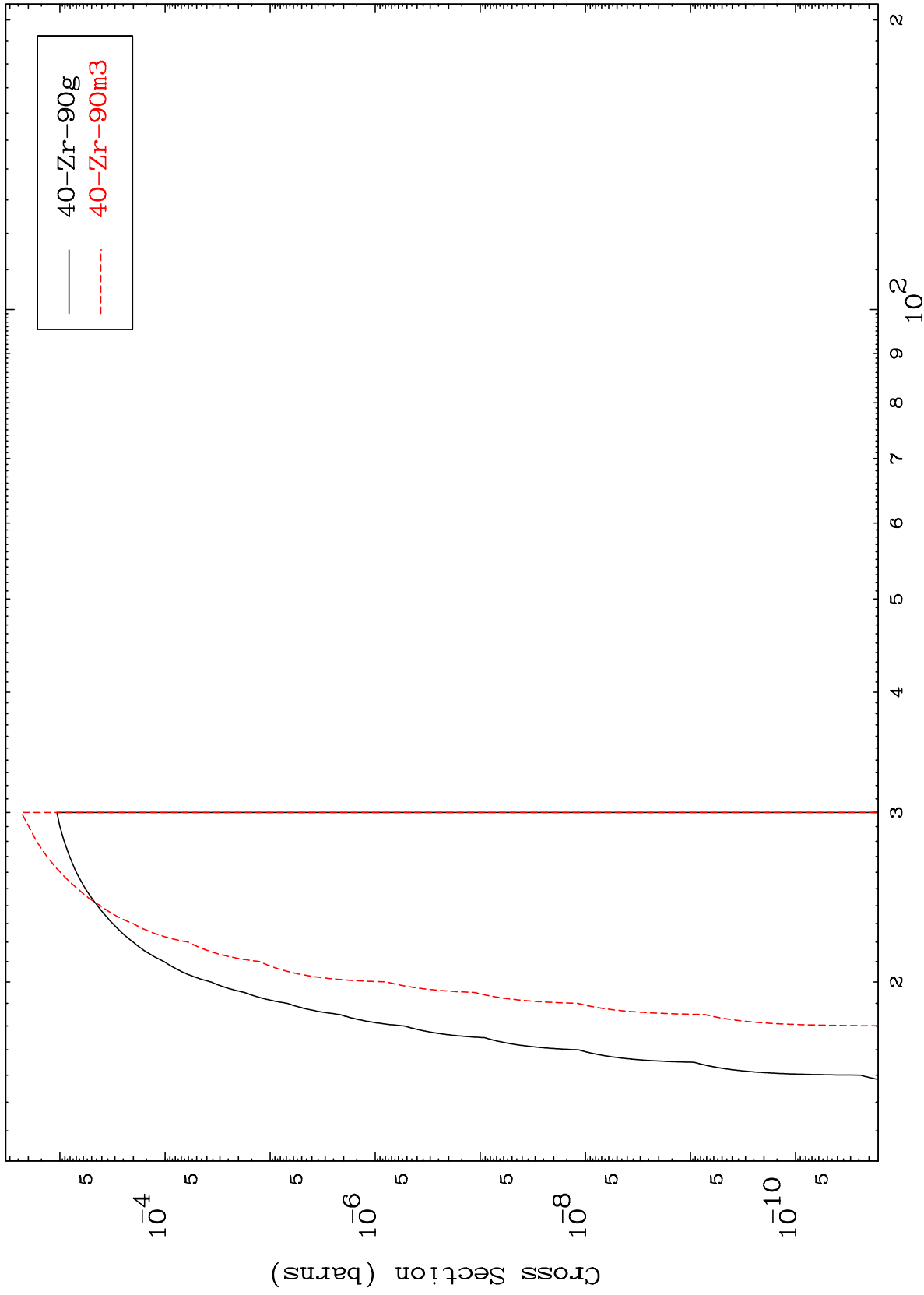


138

Incident Energy (MeV)

41-Nb-93

Radionuclide Production Cross Section

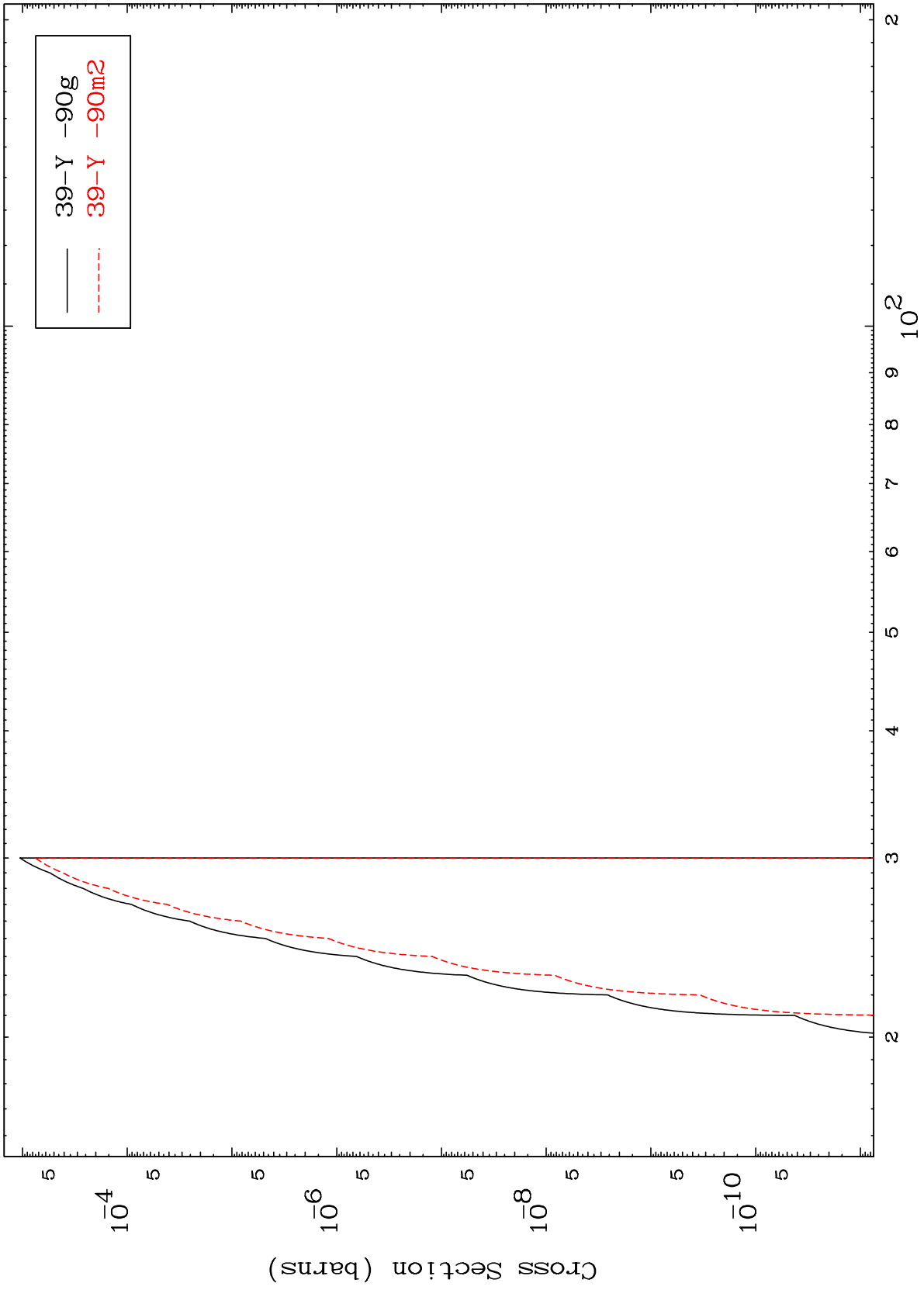


MAT 4125

(n, n') He-3

41-Nb-93

Radionuclide Production Cross Section



140

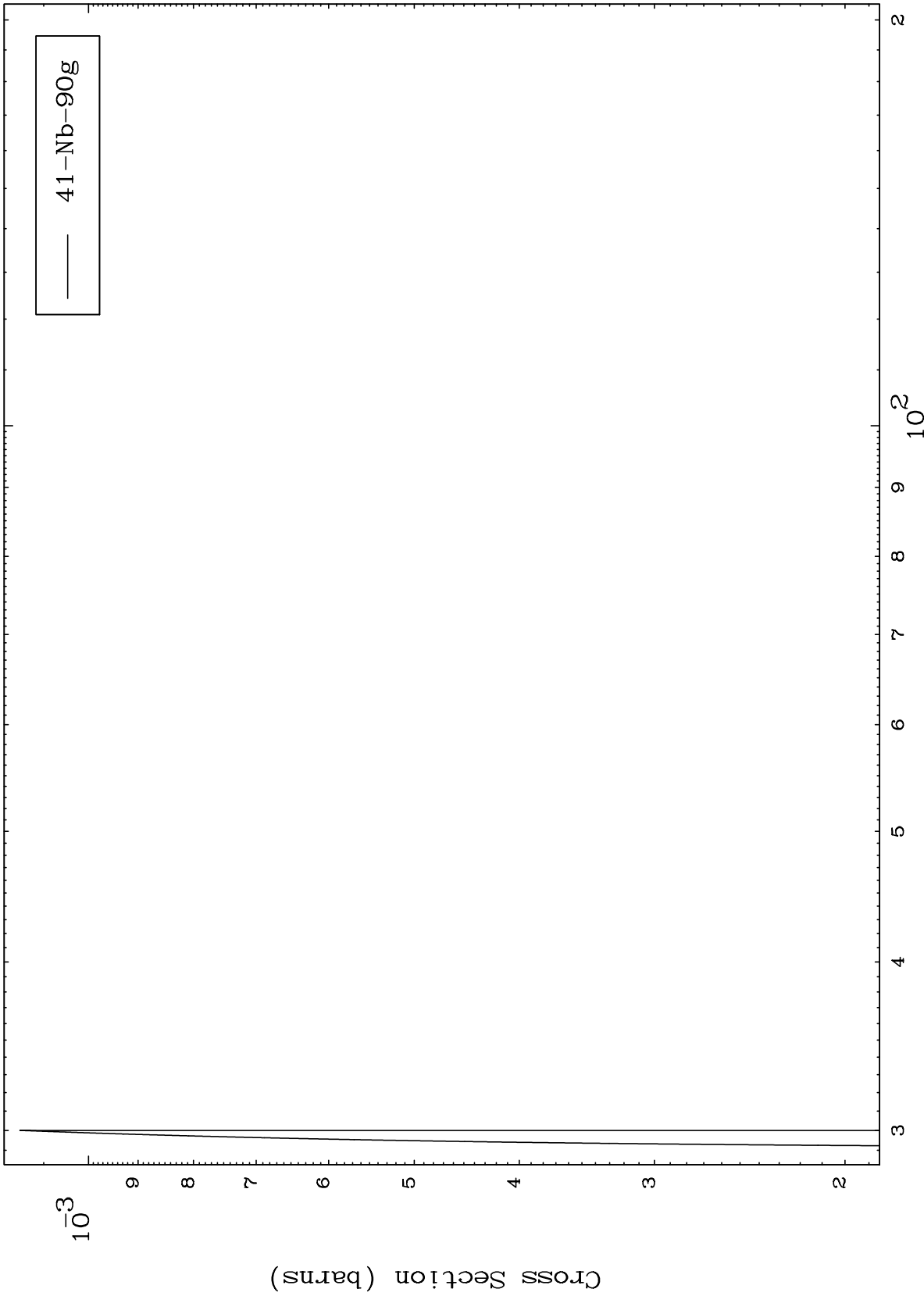
Incident Energy (MeV)

41-Nb-93

MAT 4125

41-Nb-93

(n,4n)
Radionuclide Production Cross Section



141

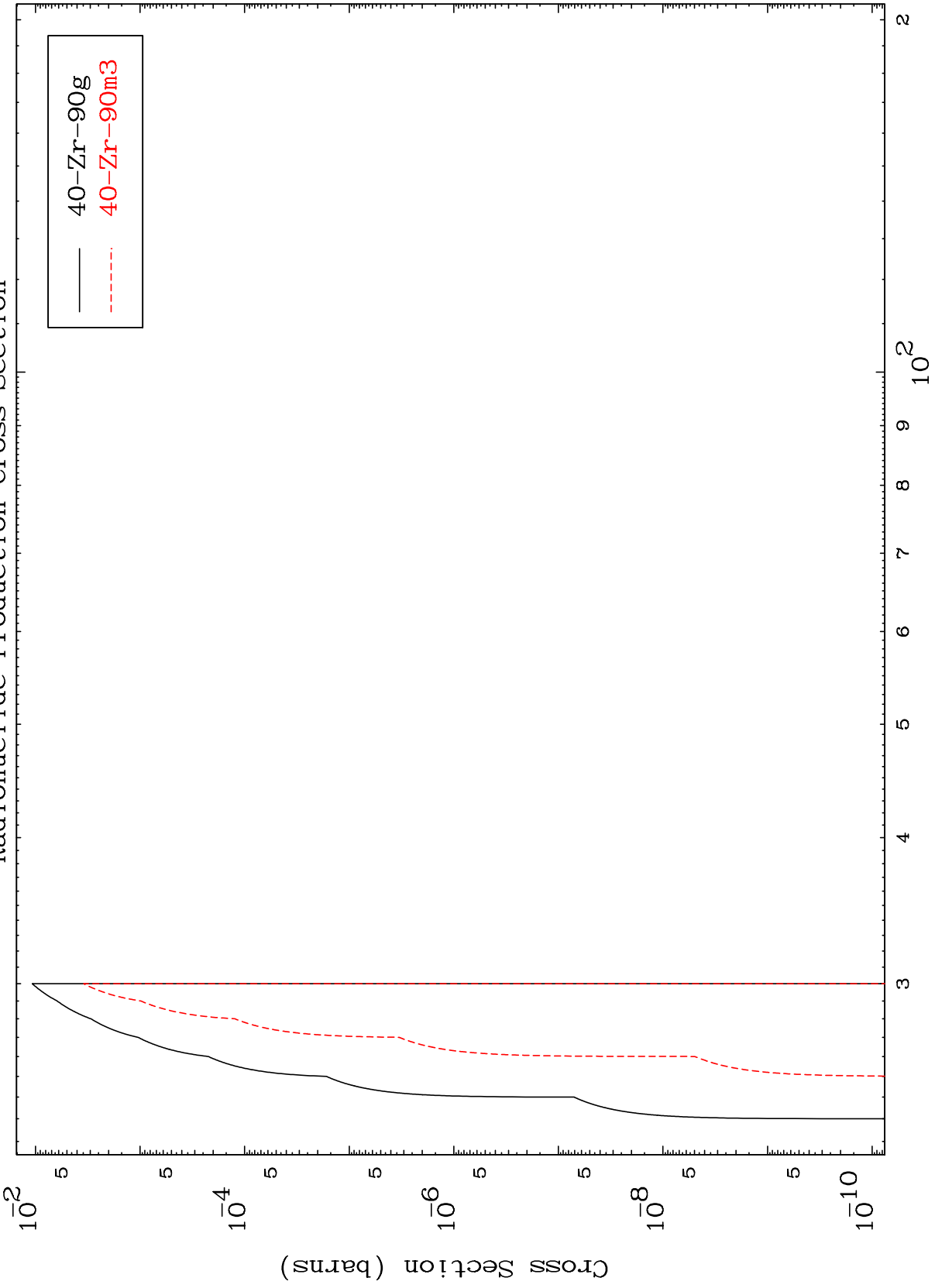
41-Nb-93

MAT 4125

(n,3n) p

41-Nb-93

Radionuclide Production Cross Section



142

Incident Energy (MeV)

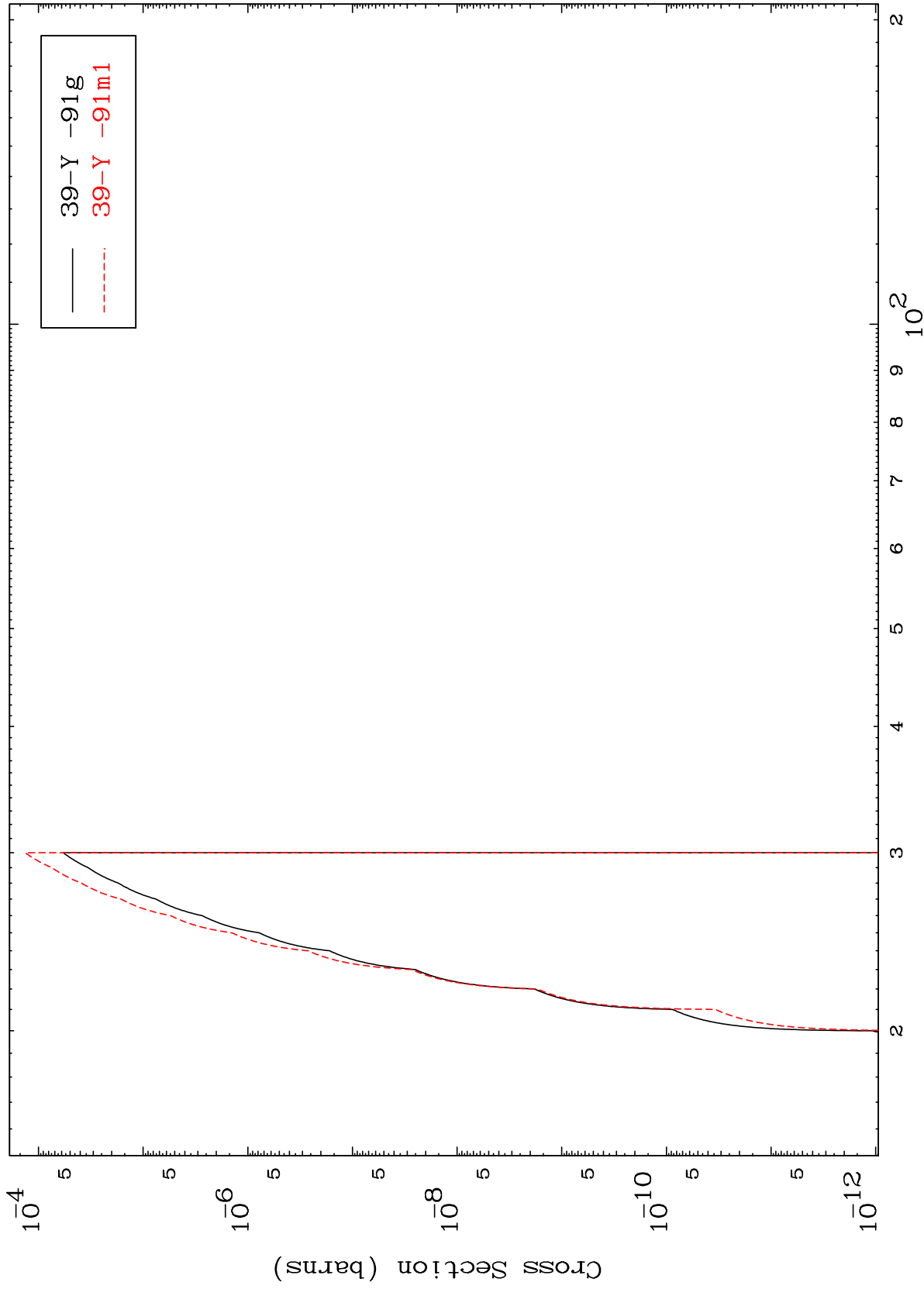
41-Nb-93

MAT 4125

(n,2n) p

41-Nb-93

Radionuclide Production Cross Section



143

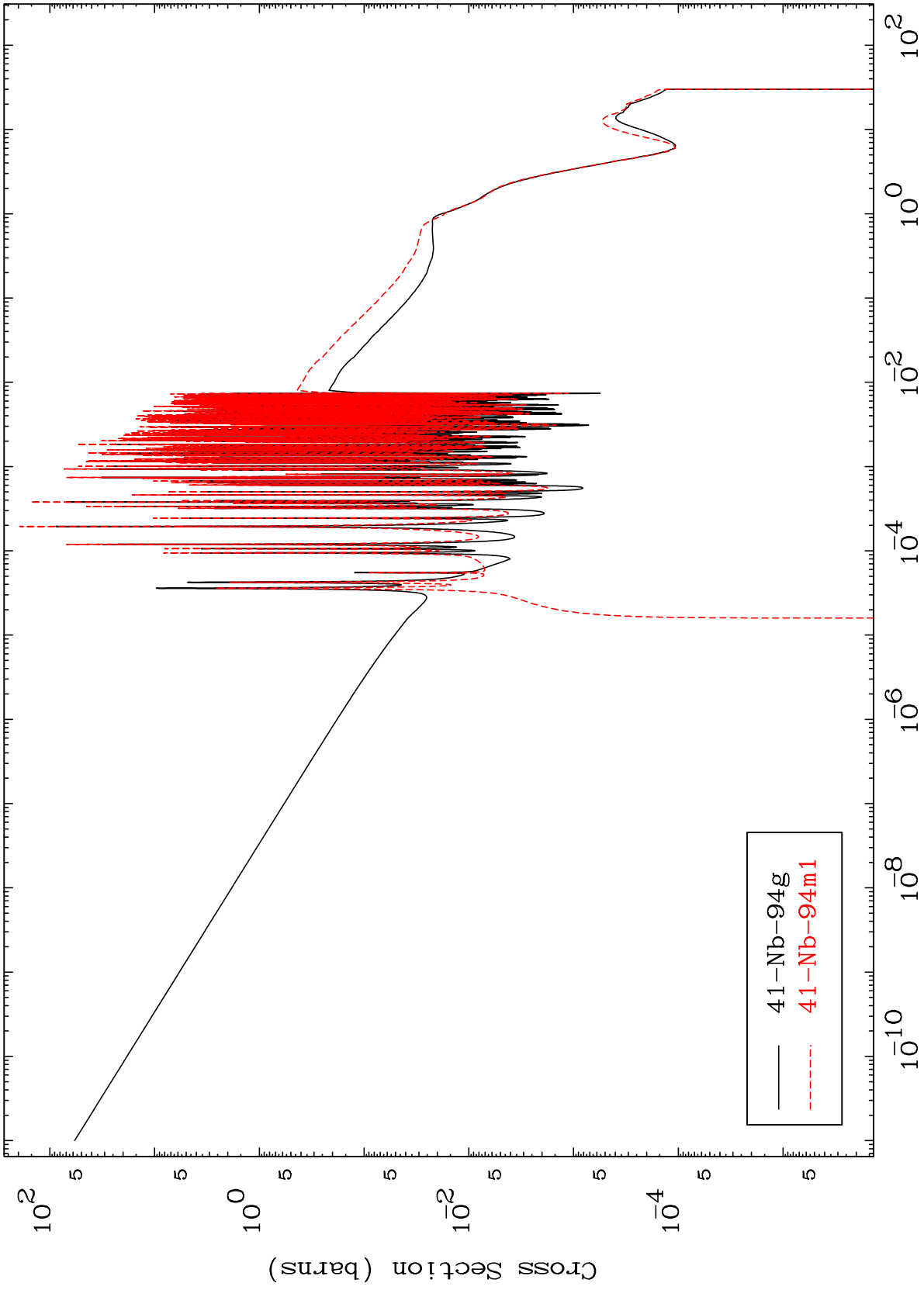
Incident Energy (MeV)

41-Nb-93

MAT 4125

41-Nb-93

Radionuclide Production Cross Section
(n,γ)



144

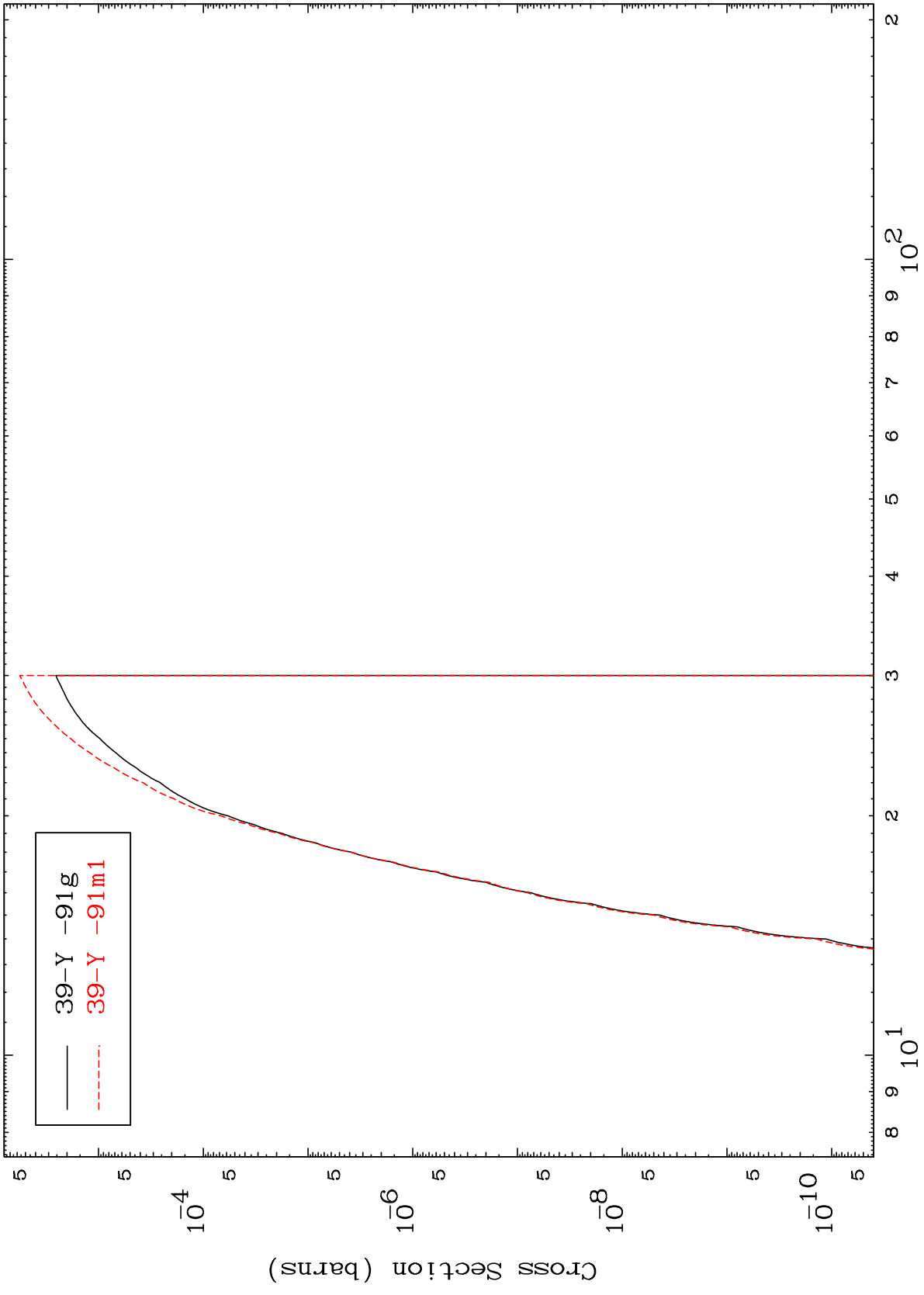
41-Nb-93

MAT 4125

(n,He-3)

41-Nb-93

Radionuclide Production Cross Section



145

Incident Energy (MeV)

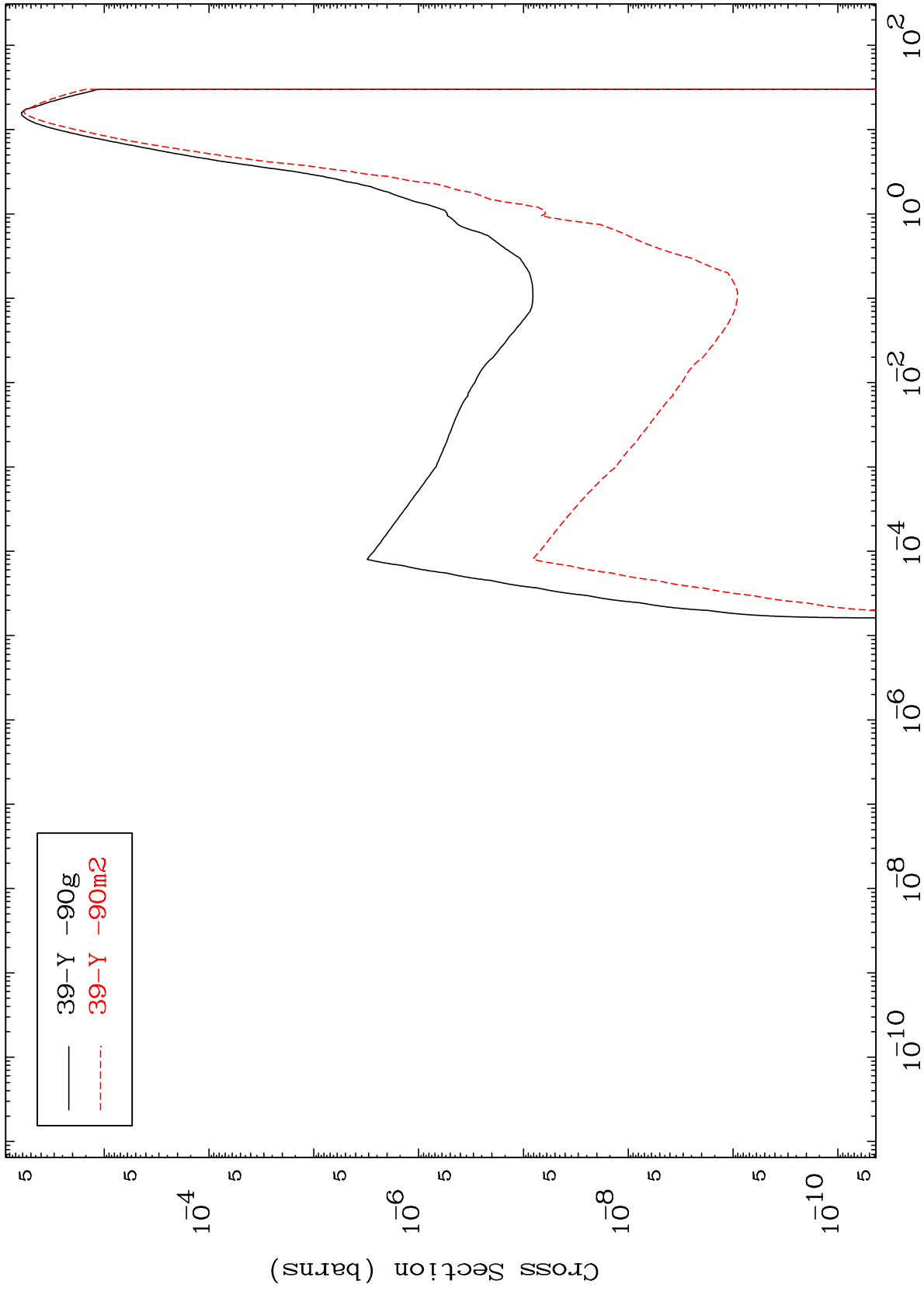
41-Nb-93

MAT 4125

(n, α)

41-Nb-93

Radionuclide Production Cross Section



146

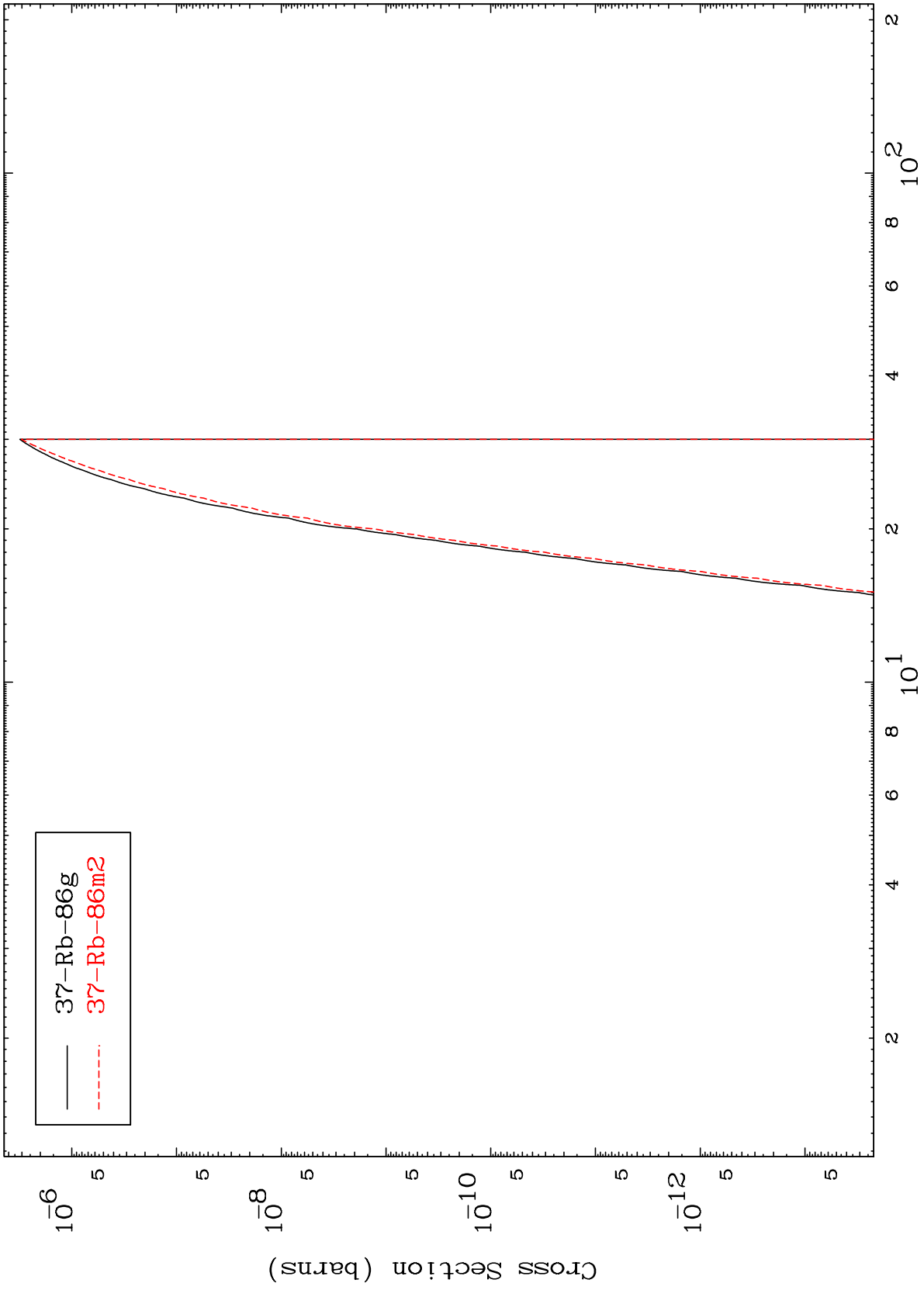
Incident Energy (MeV)

41-Nb-93

MAT 4125

41-Nb-93

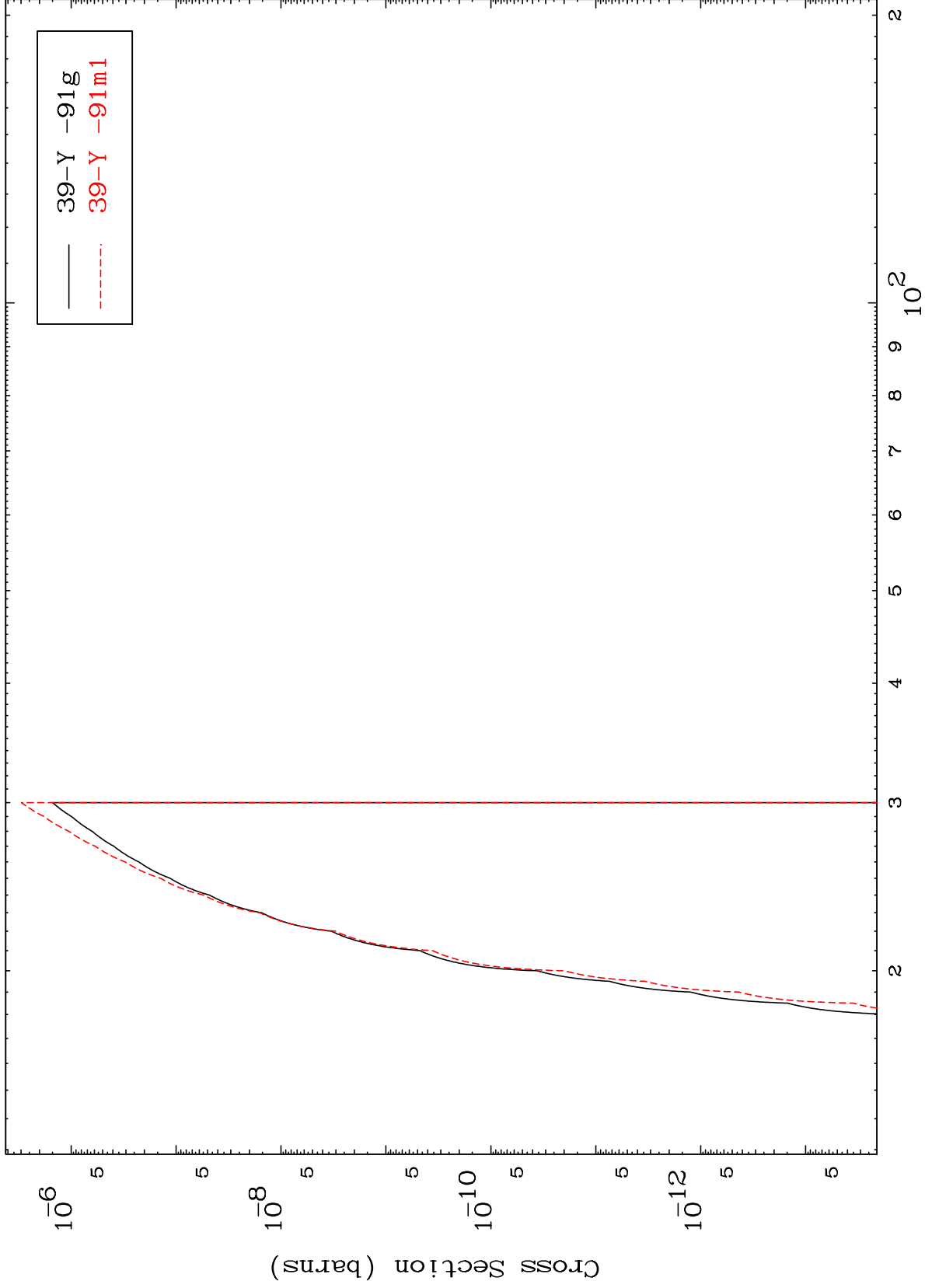
Radionuclide Production Cross Section
(n, 2α)



147

41-Nb-93

Radionuclide Production Cross Section

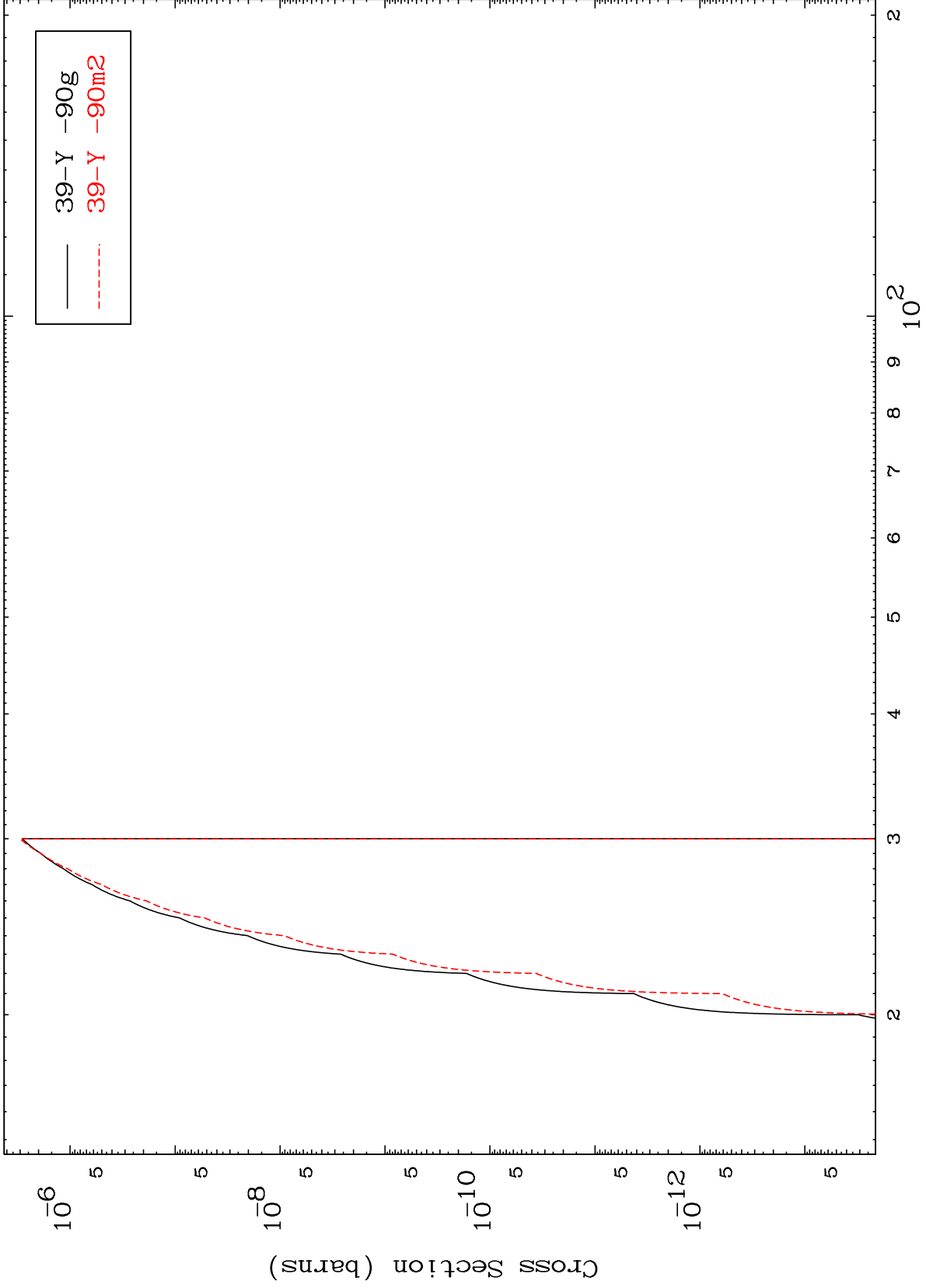


MAT 4125

(n,p) t

41-Nb-93

Radionuclide Production Cross Section



149

Incident Energy (MeV)

41-Nb-93