

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

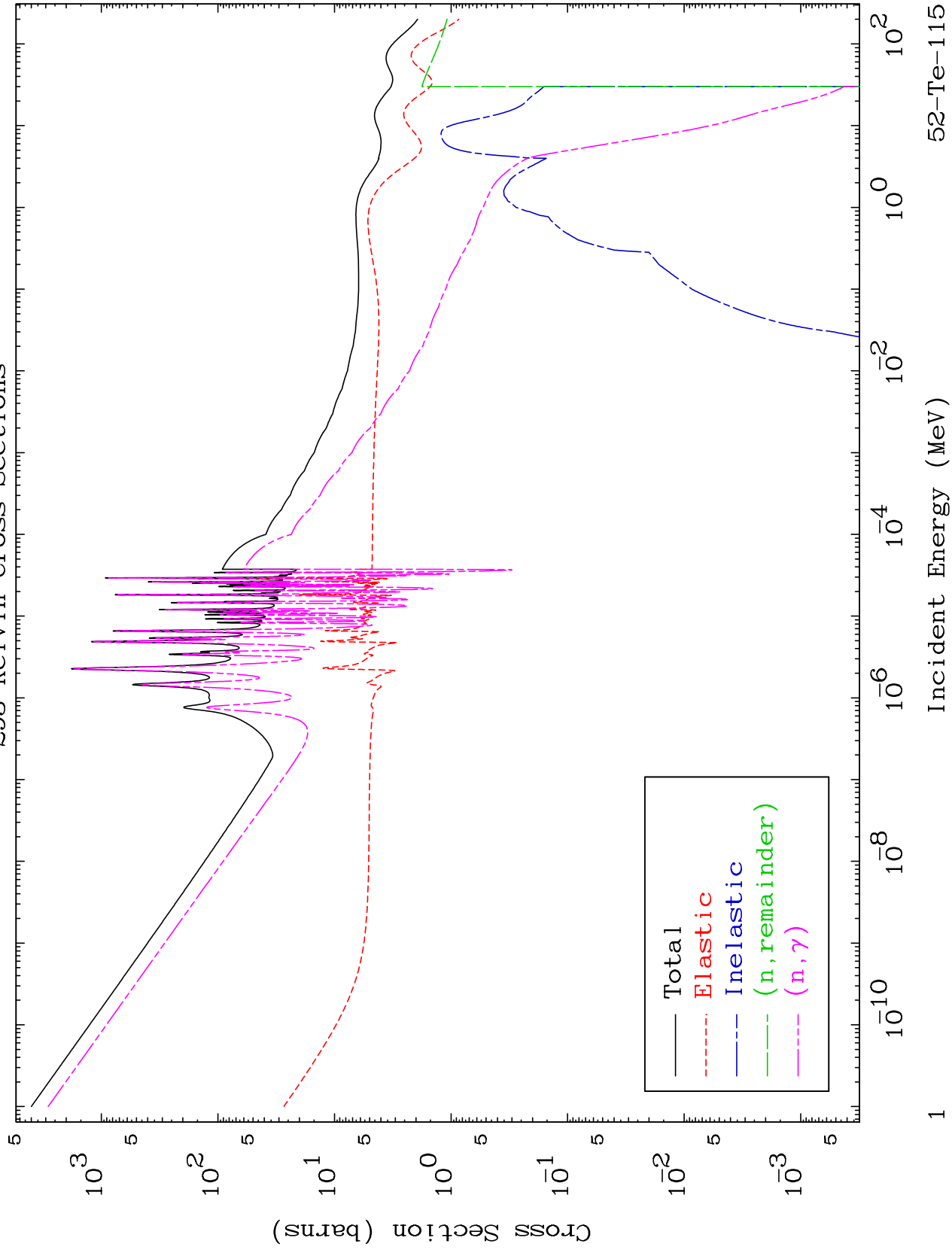
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5210

Major
293 Kelvin Cross Sections

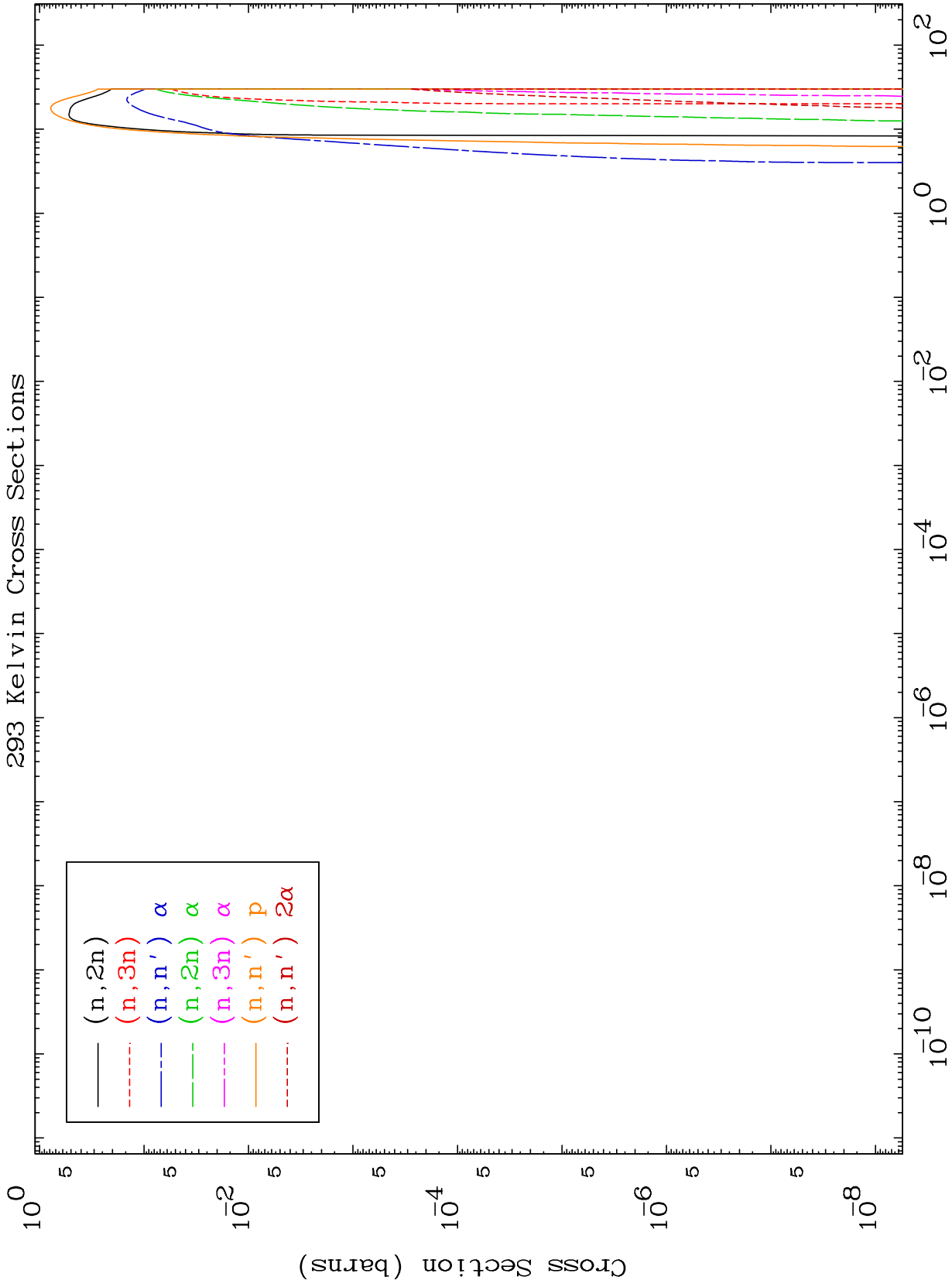
52-Te-115



MAT 5210

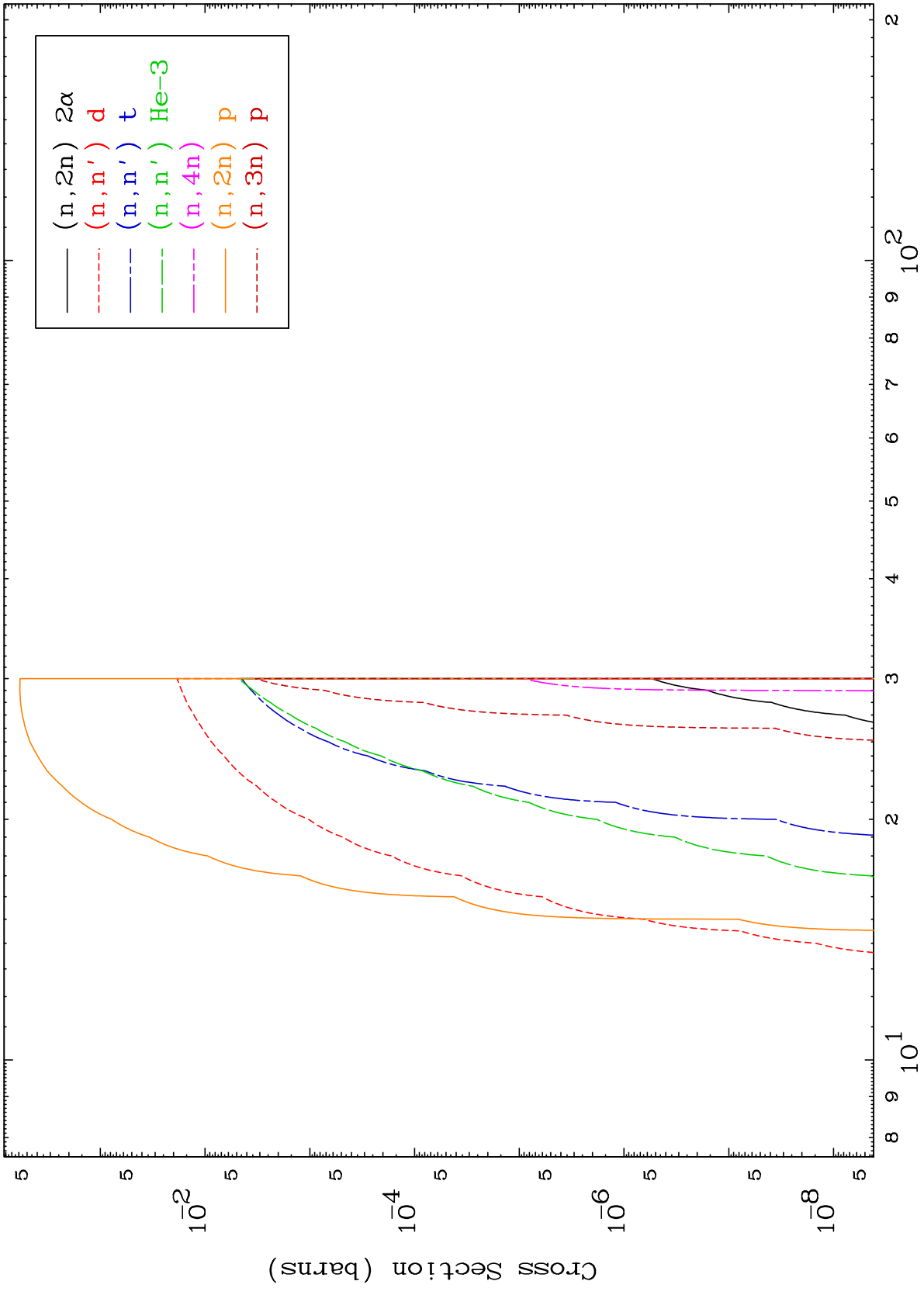
Neutron Production
293 Kelvin Cross Sections

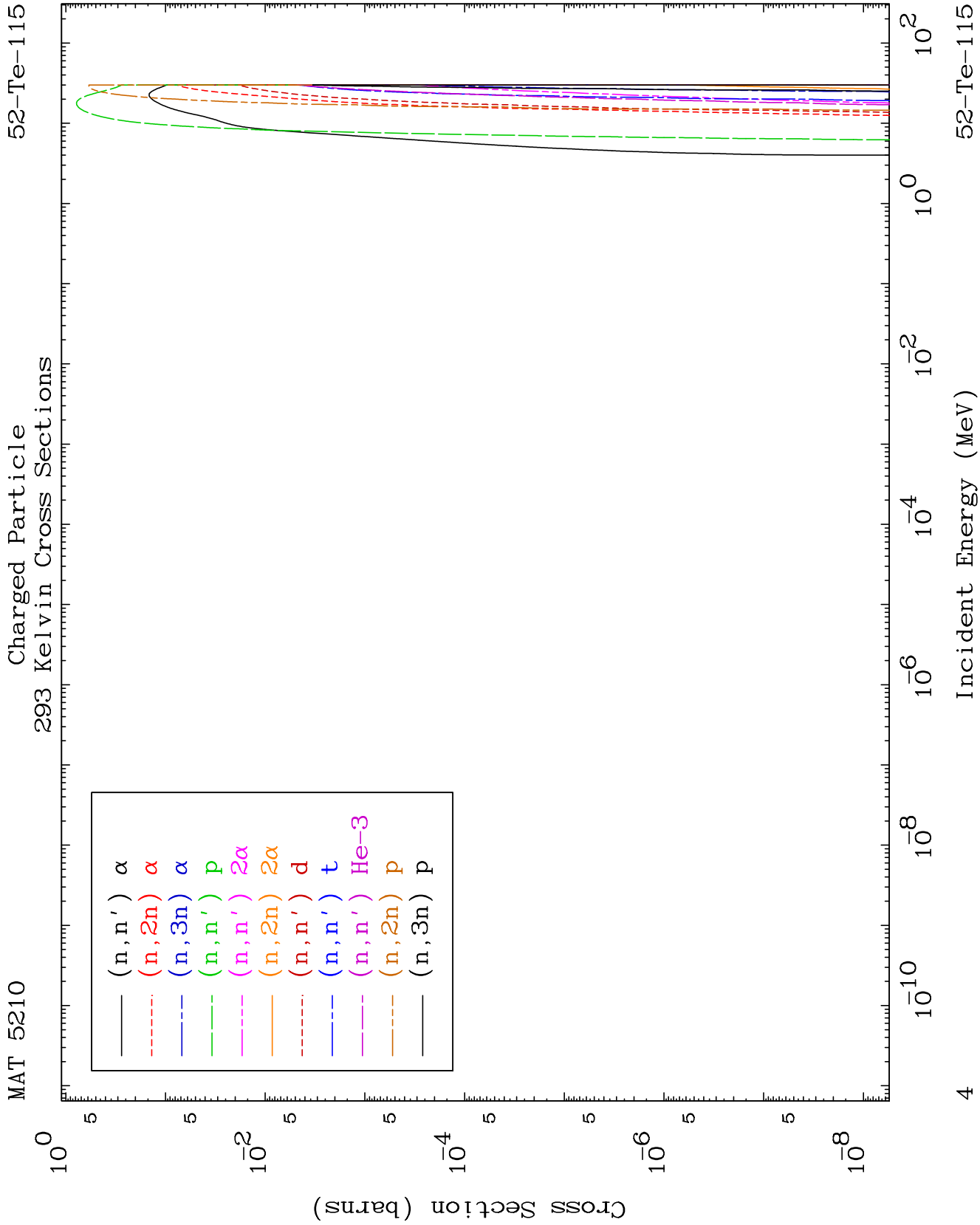
52-Te-115



2

52-Te-115

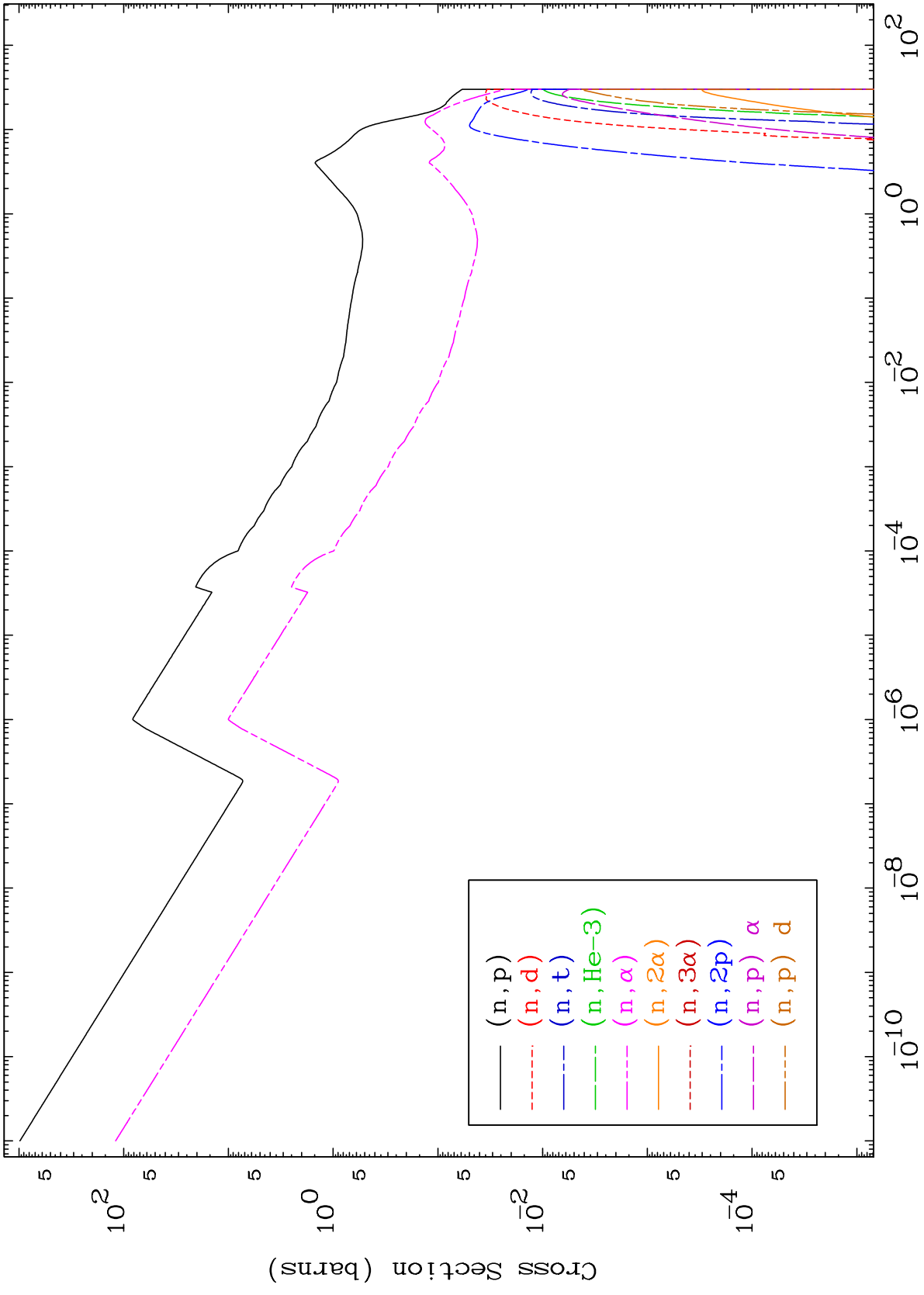


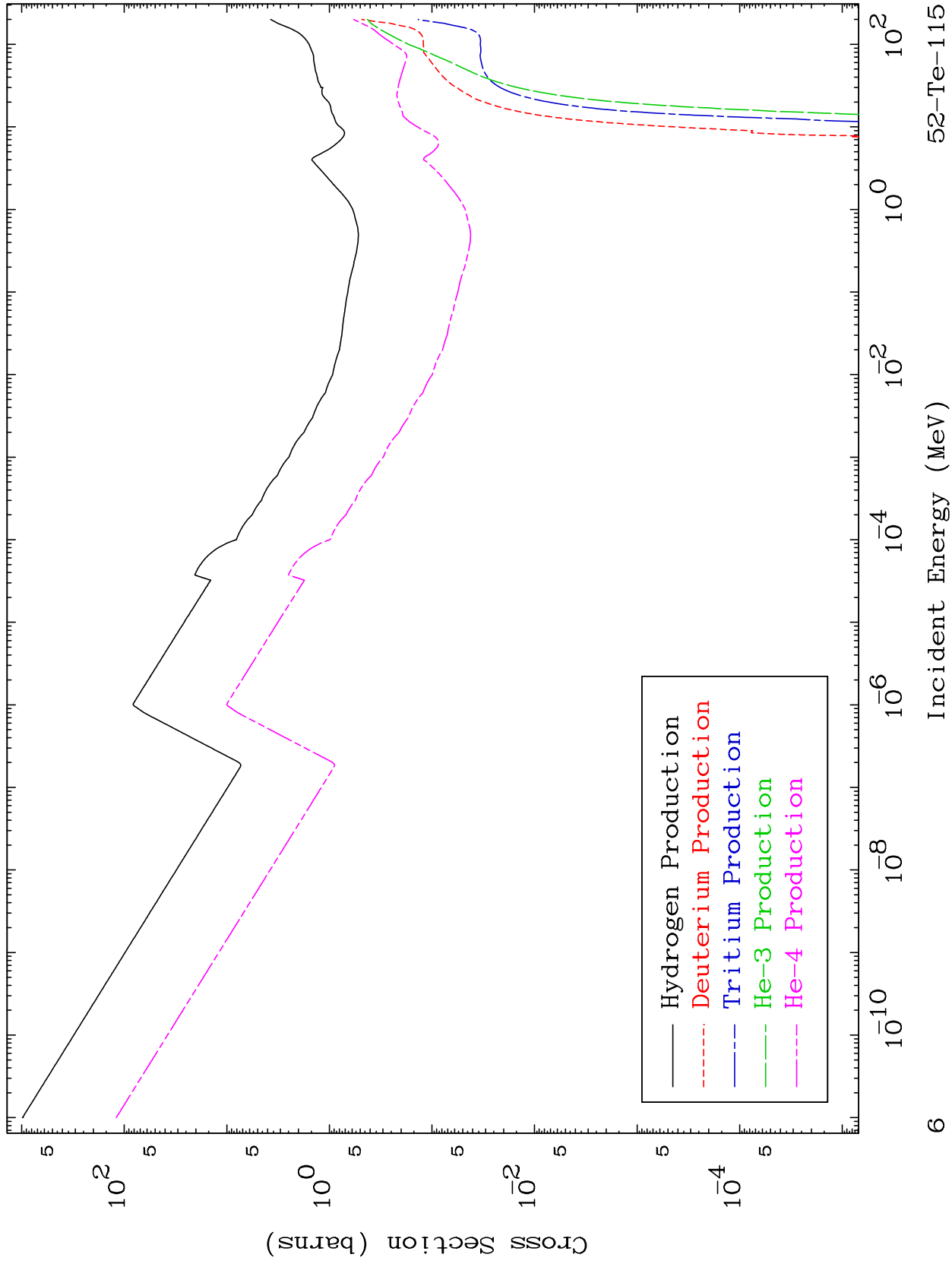


MAT 5210

293 Kelvin Cross Sections

52-Te-115

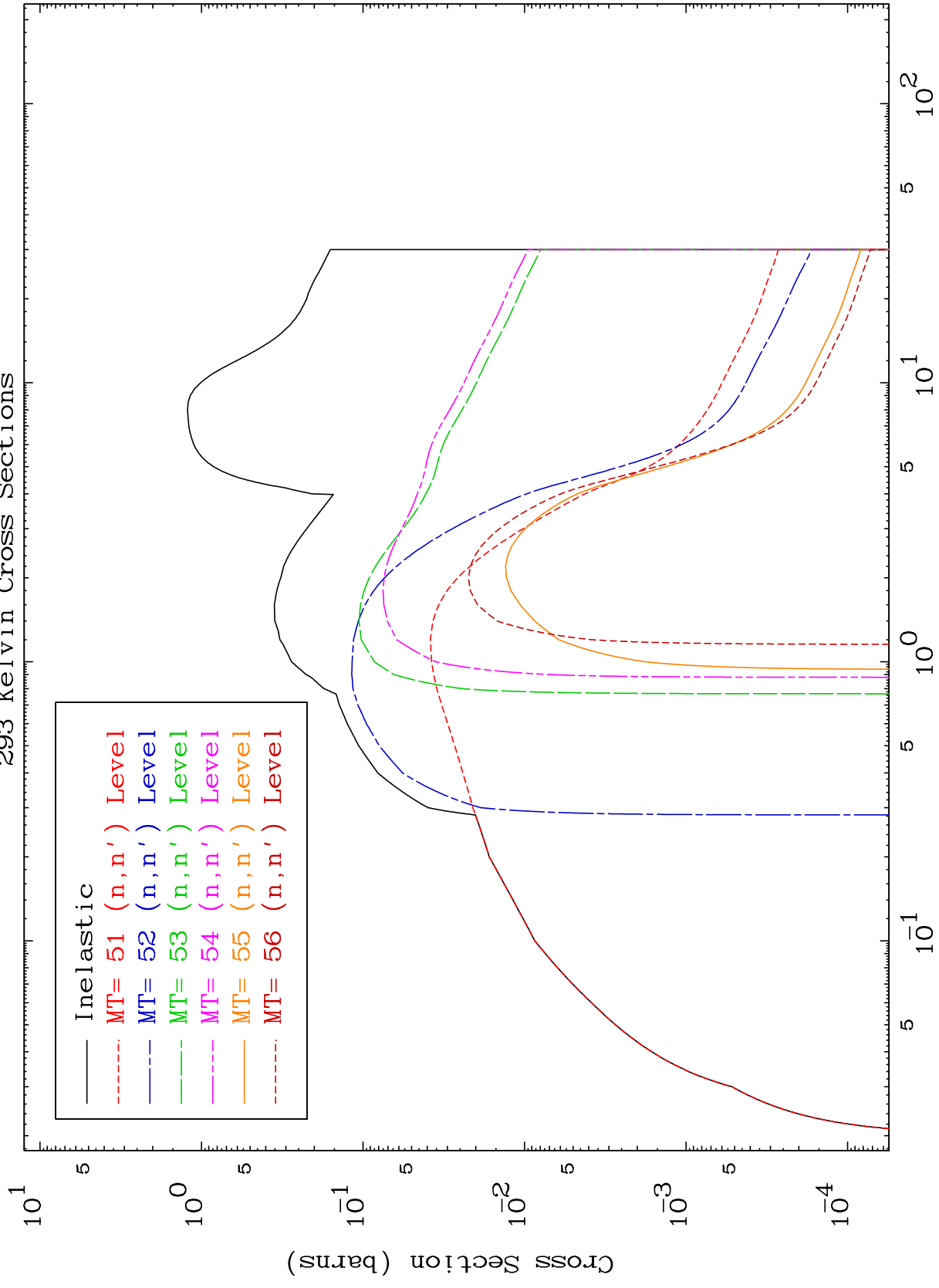




MAT 5210

(n,n') Level
293 Kelvin Cross Sections

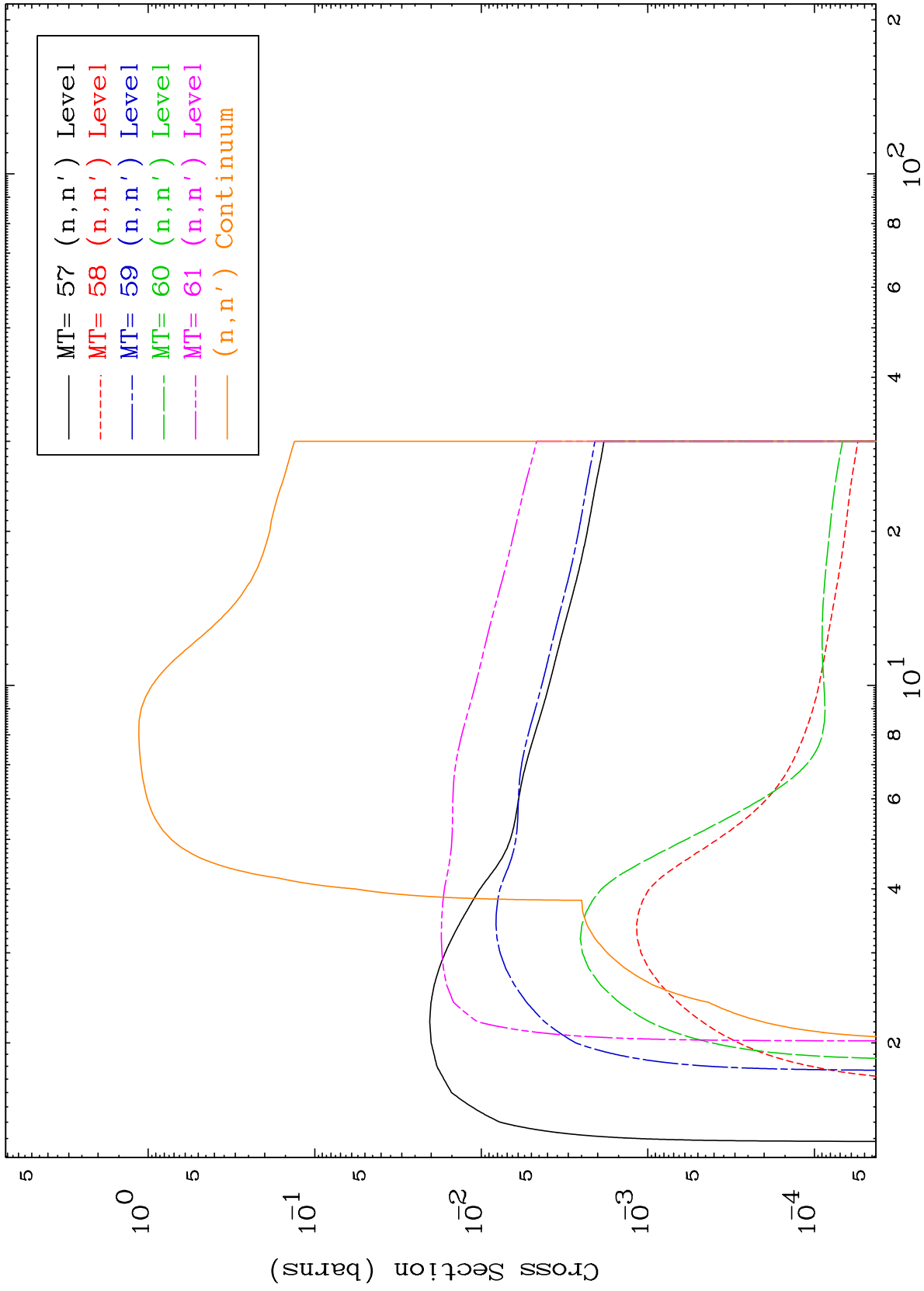
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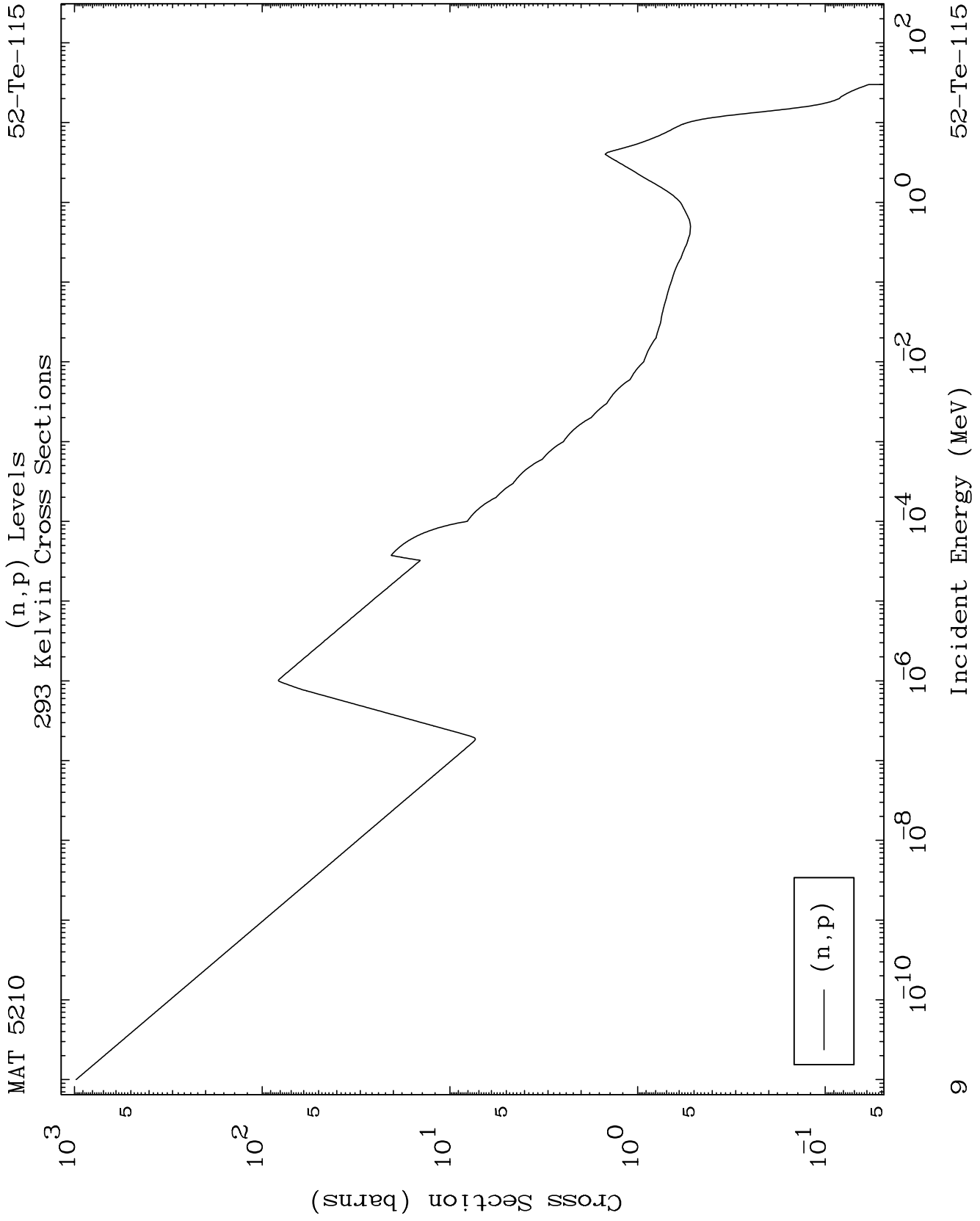


7

Incident Energy (MeV)

52-Te-115

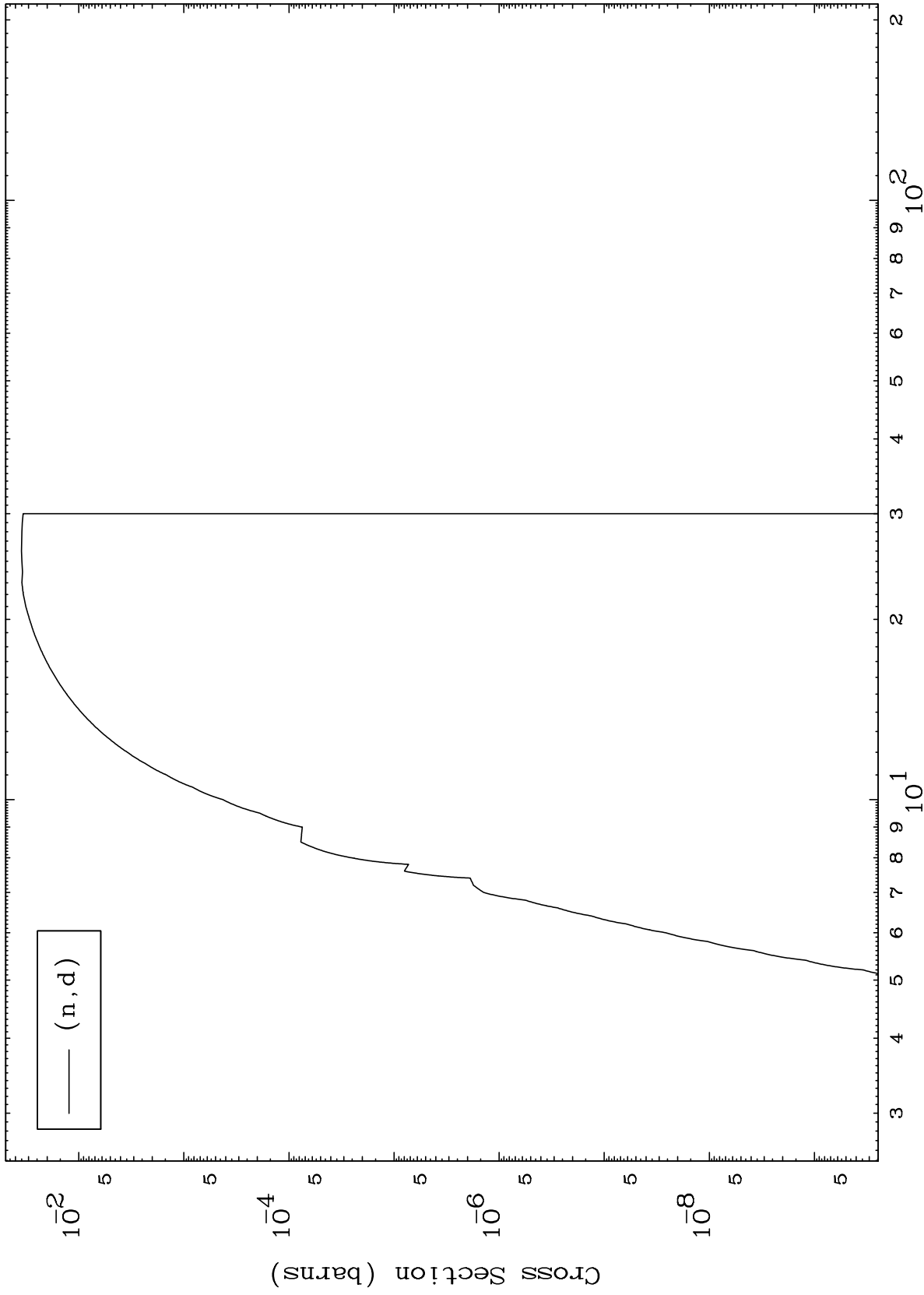




MAT 5210

(n,d) Levels
293 Kelvin Cross Sections

52-Te-115



10

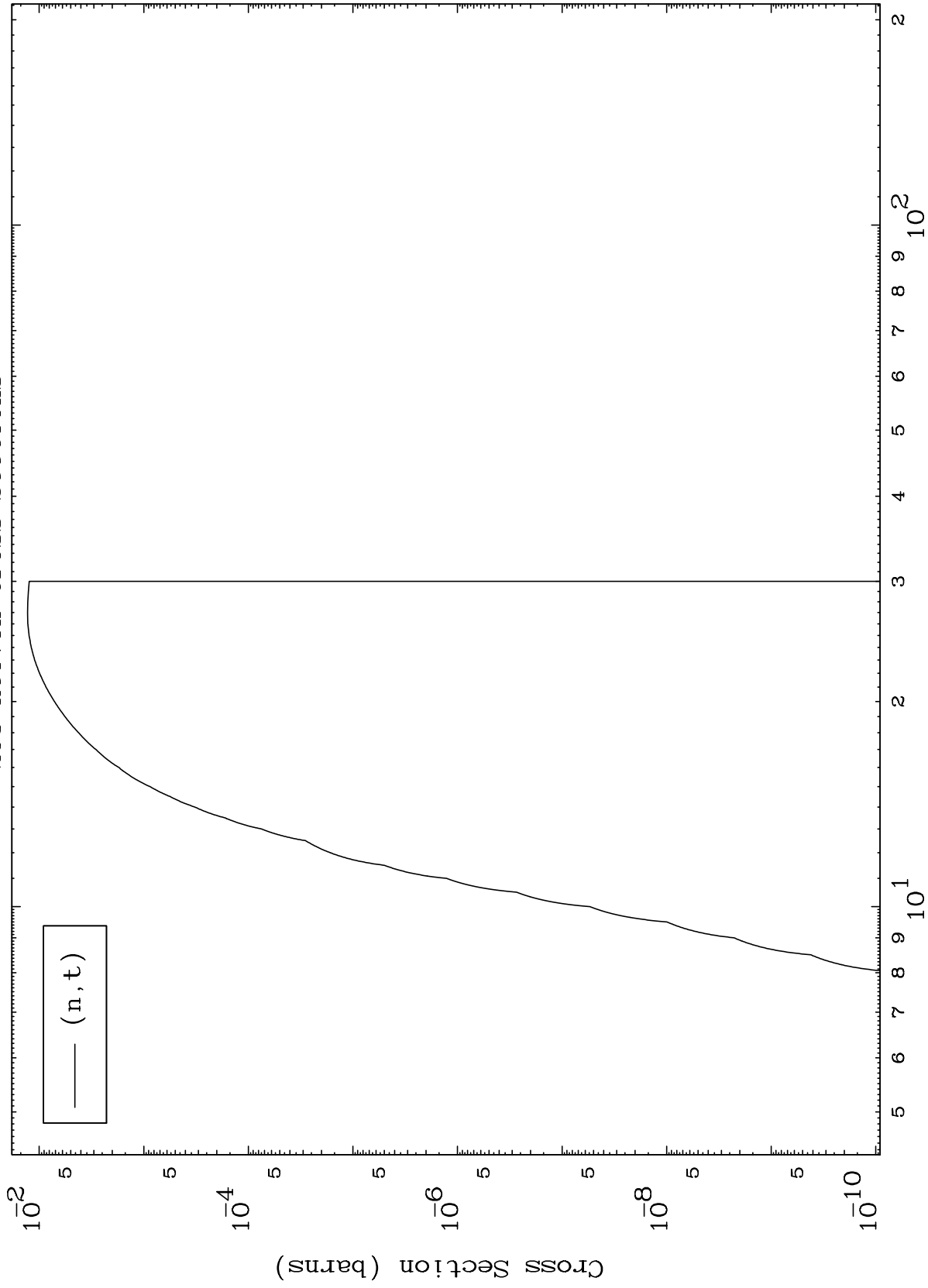
Incident Energy (MeV)

52-Te-115

MAT 5210

(n,t) Levels
293 Kelvin Cross Sections

52-Te-115



11

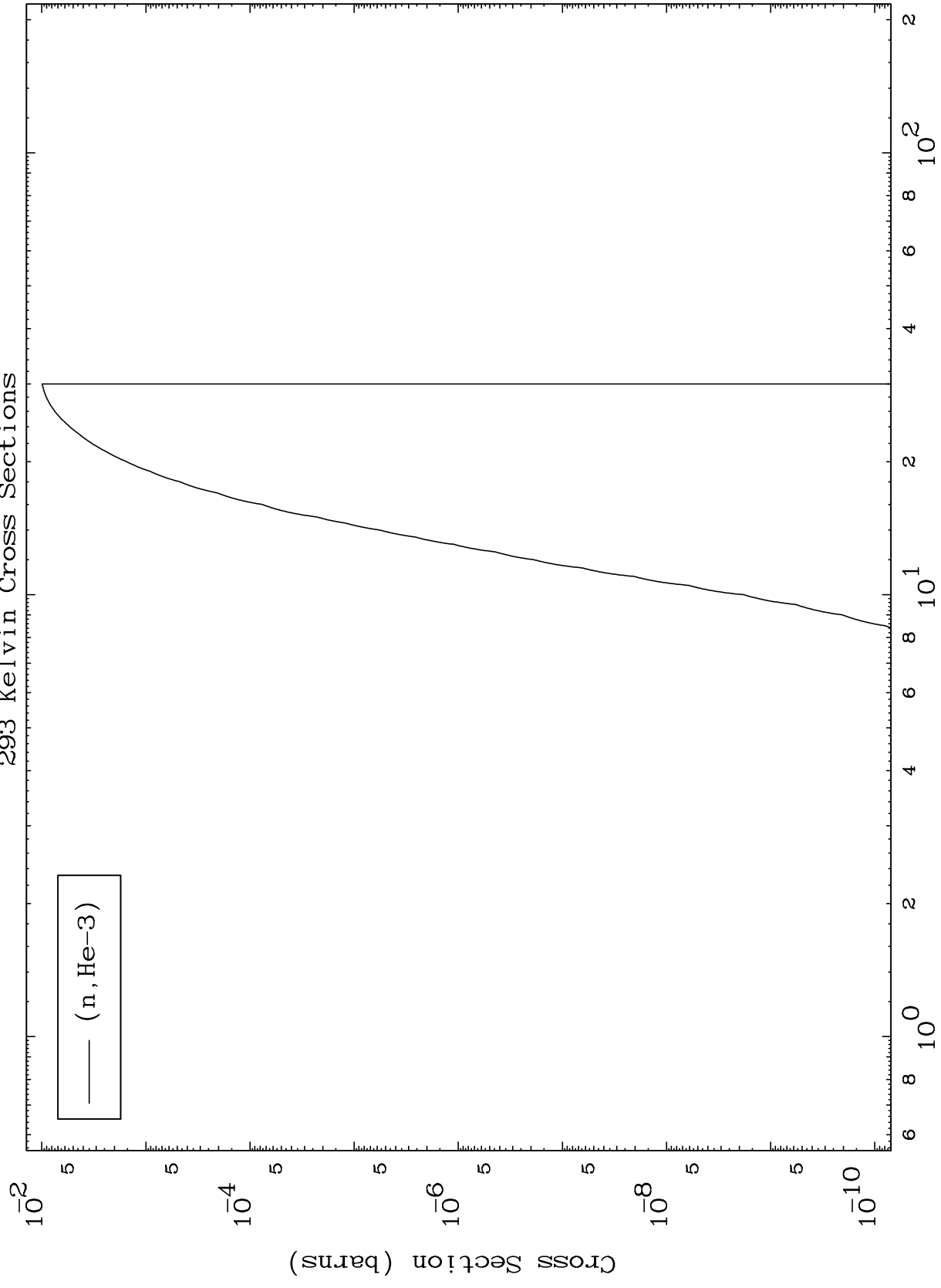
Incident Energy (MeV)

52-Te-115

MAT 5210

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-115



12

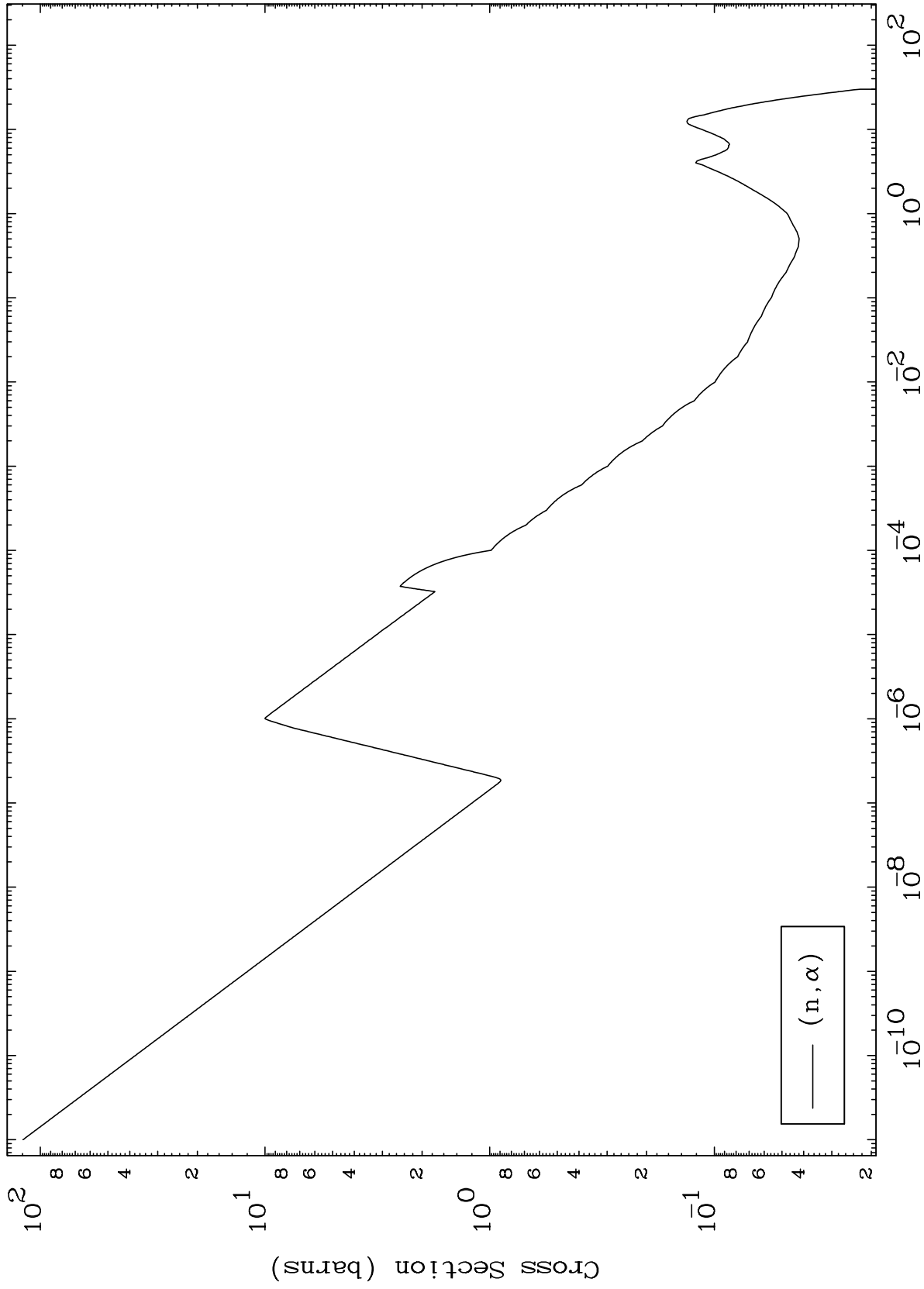
Incident Energy (MeV)

52-Te-115

MAT 5210

(n, α) Levels
293 Kelvin Cross Sections

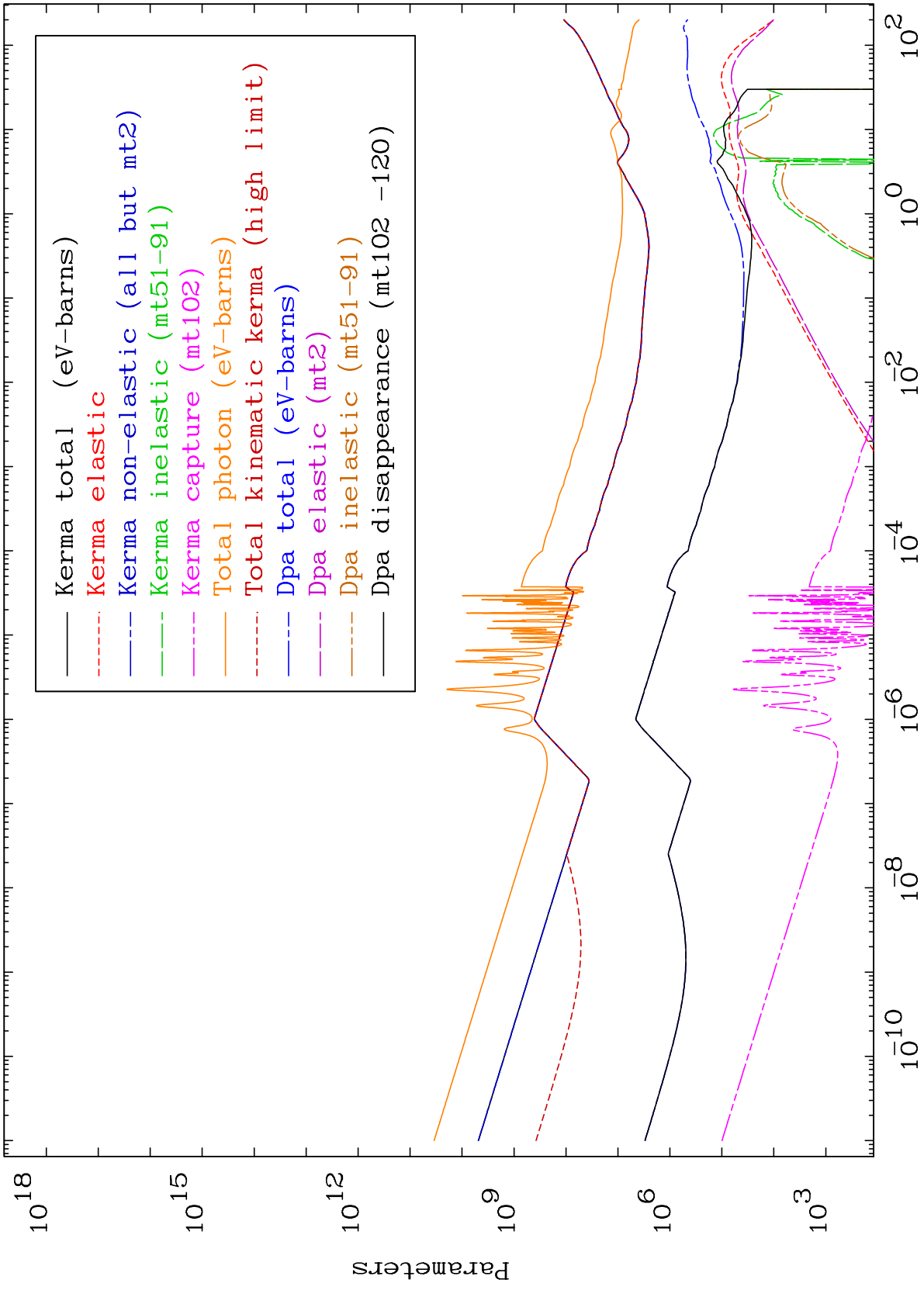
52-Te-115



13

Incident Energy (MeV)

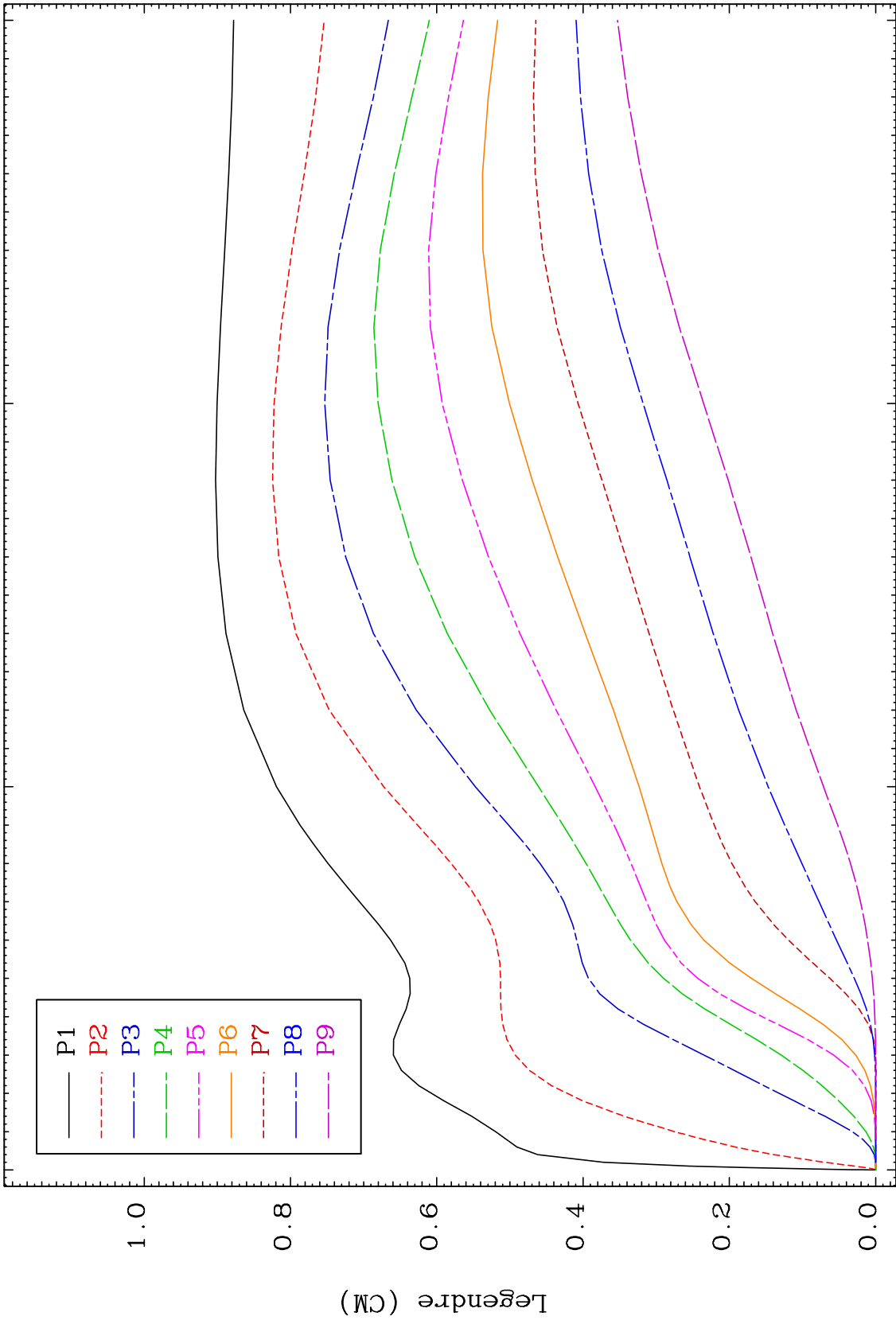
52-Te-115



MAT 5210

Elastic Legendre Coefficients

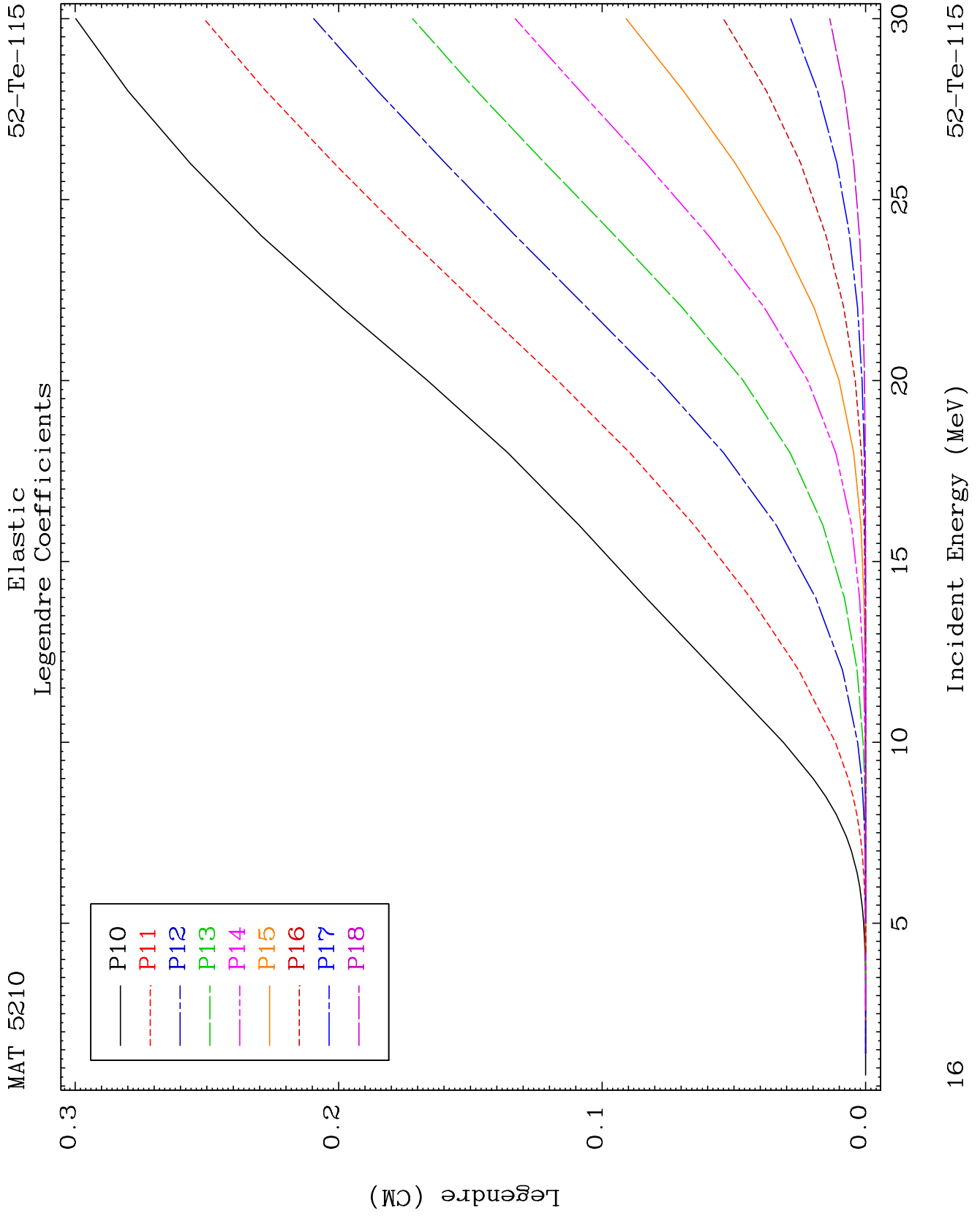
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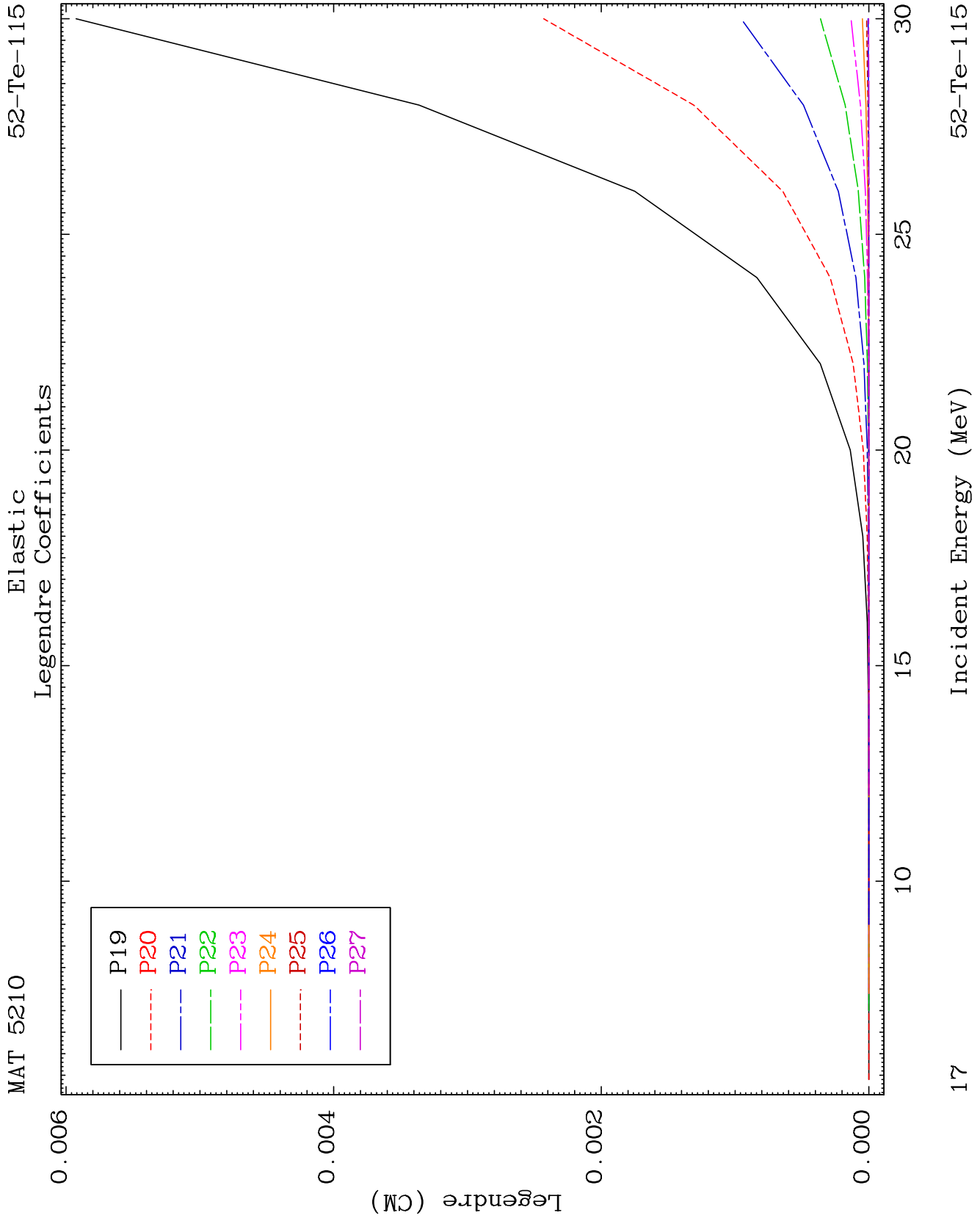


15

Incident Energy (MeV)

52-Te-115

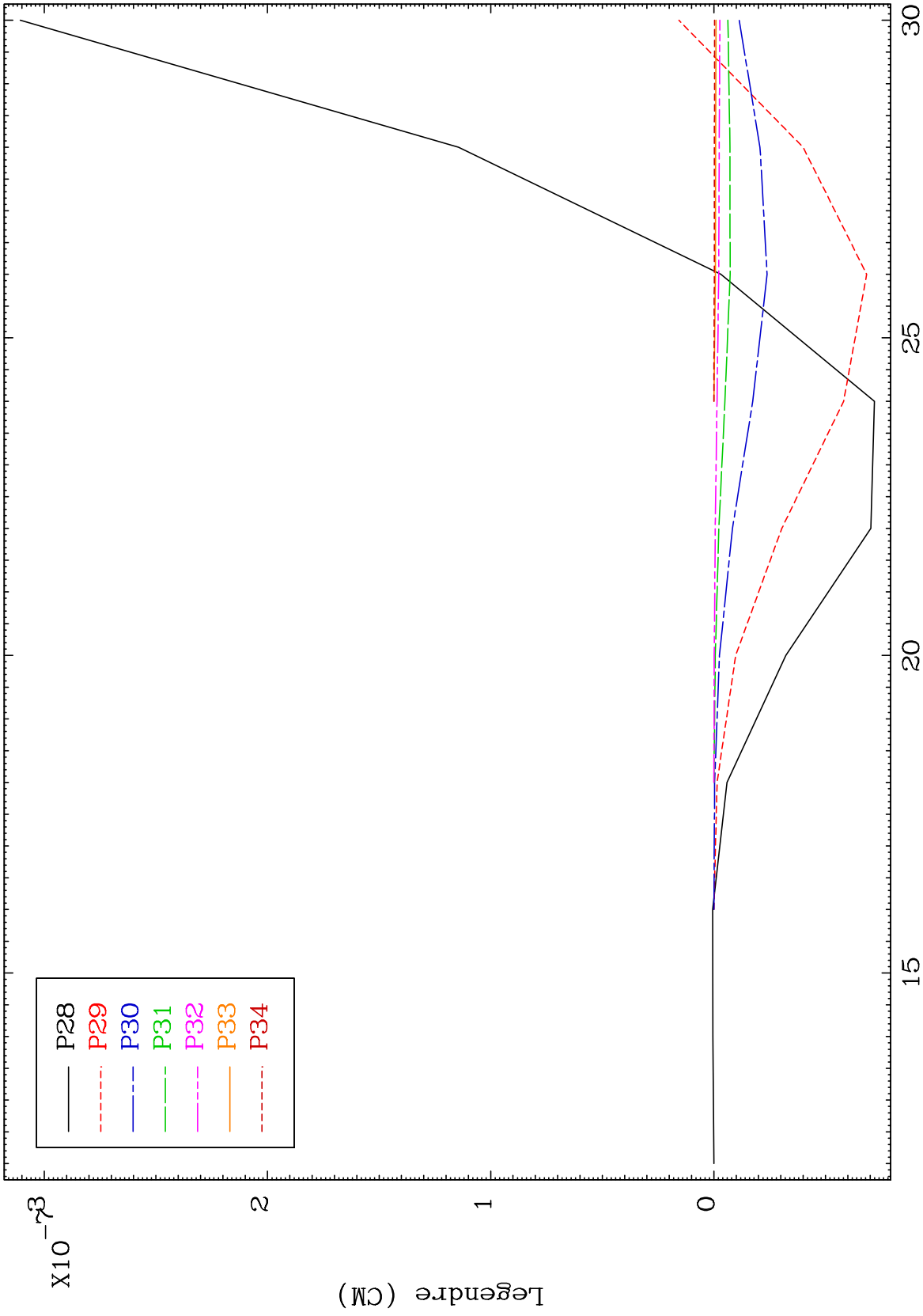




MAT 5210

Elastic
Legendre Coefficients

52-Te-115

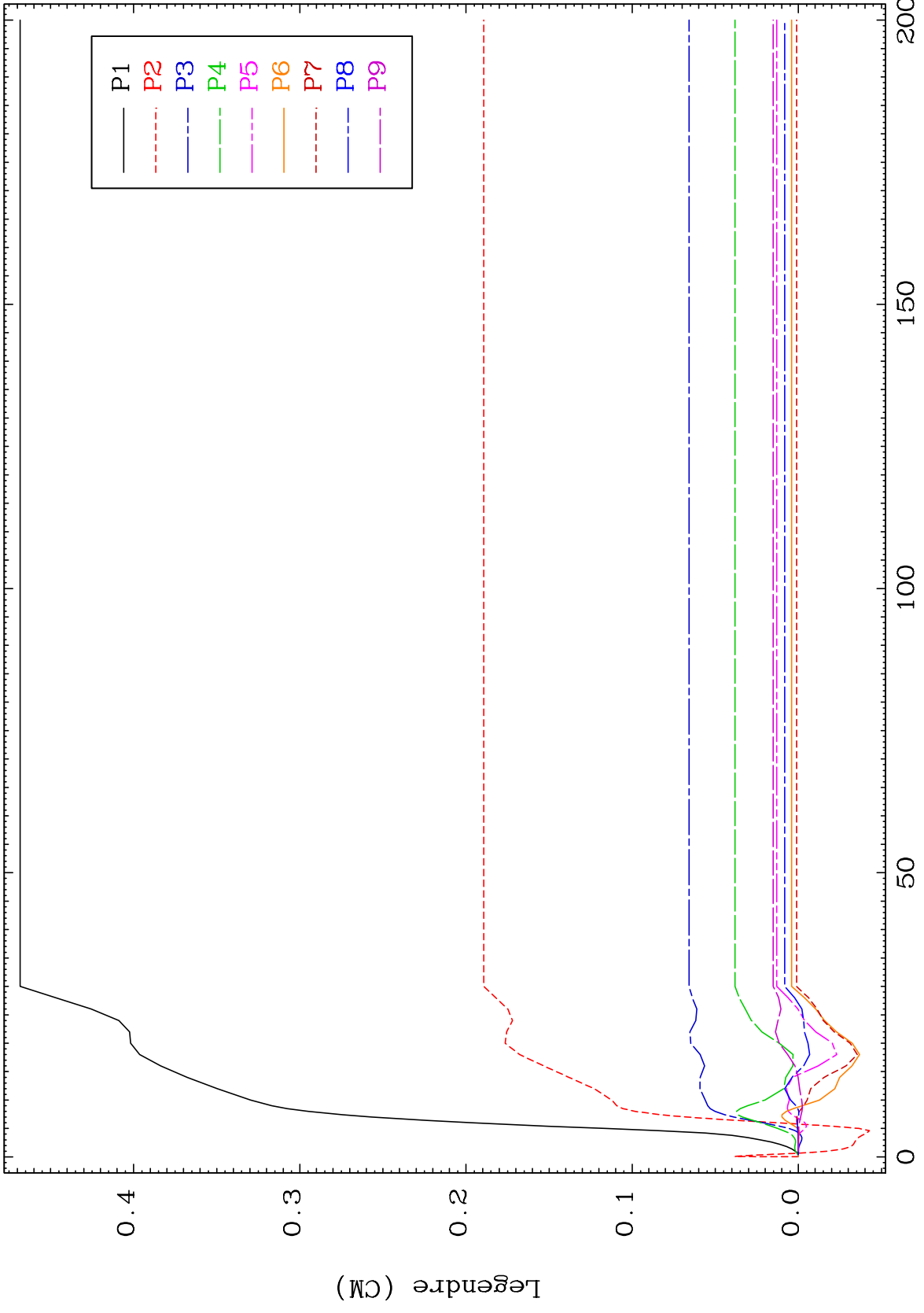


18

Incident Energy (MeV)

52-Te-115

MAT 5210 MT= 51 (n,n') Level Legendre Coefficients 52-Te-115

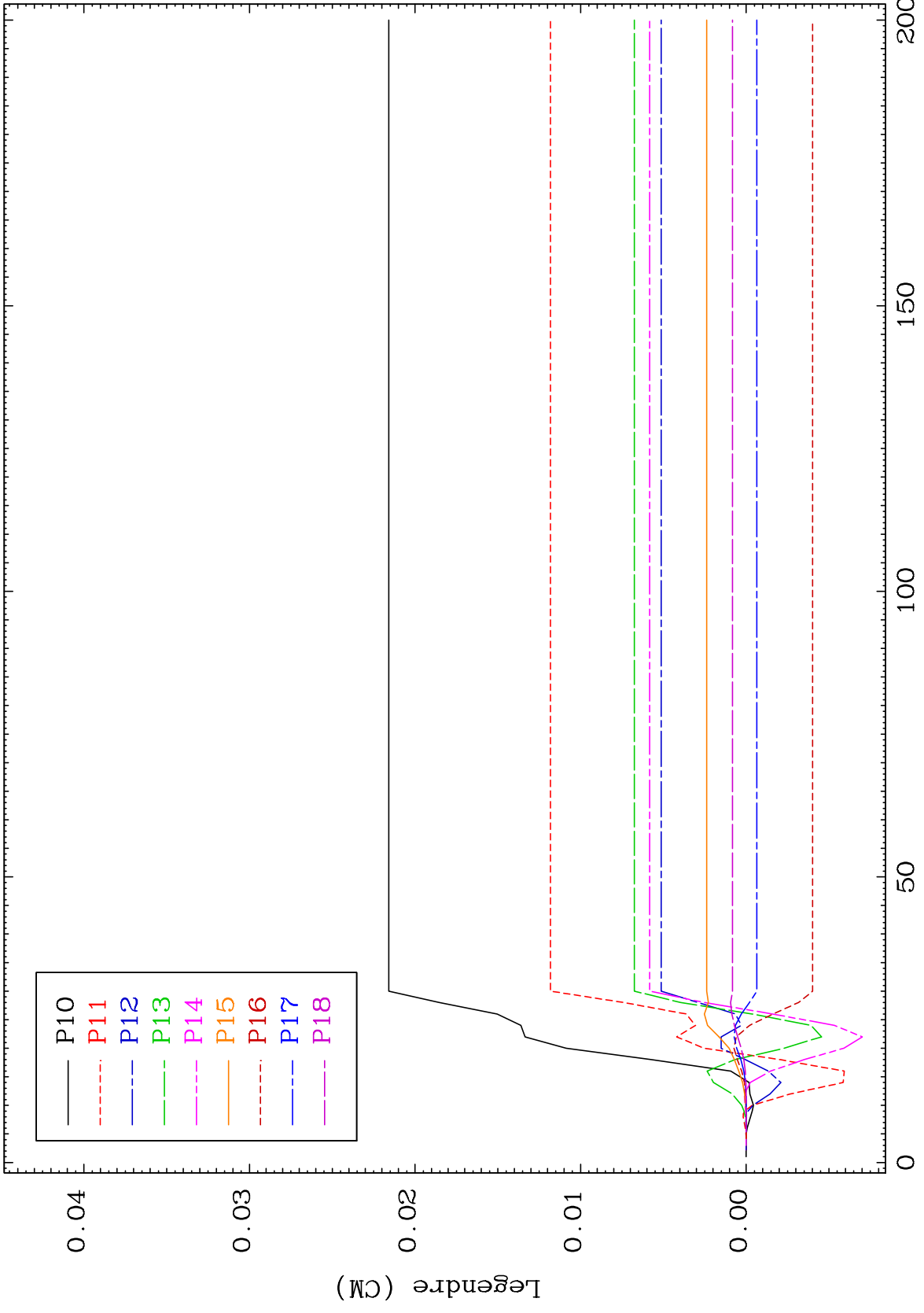


19 52-Te-115

MAT 5210

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

52-Te-115



0

50

100

150

200

52-Te-115

Incident Energy (MeV)

0.04

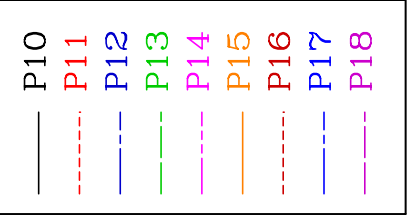
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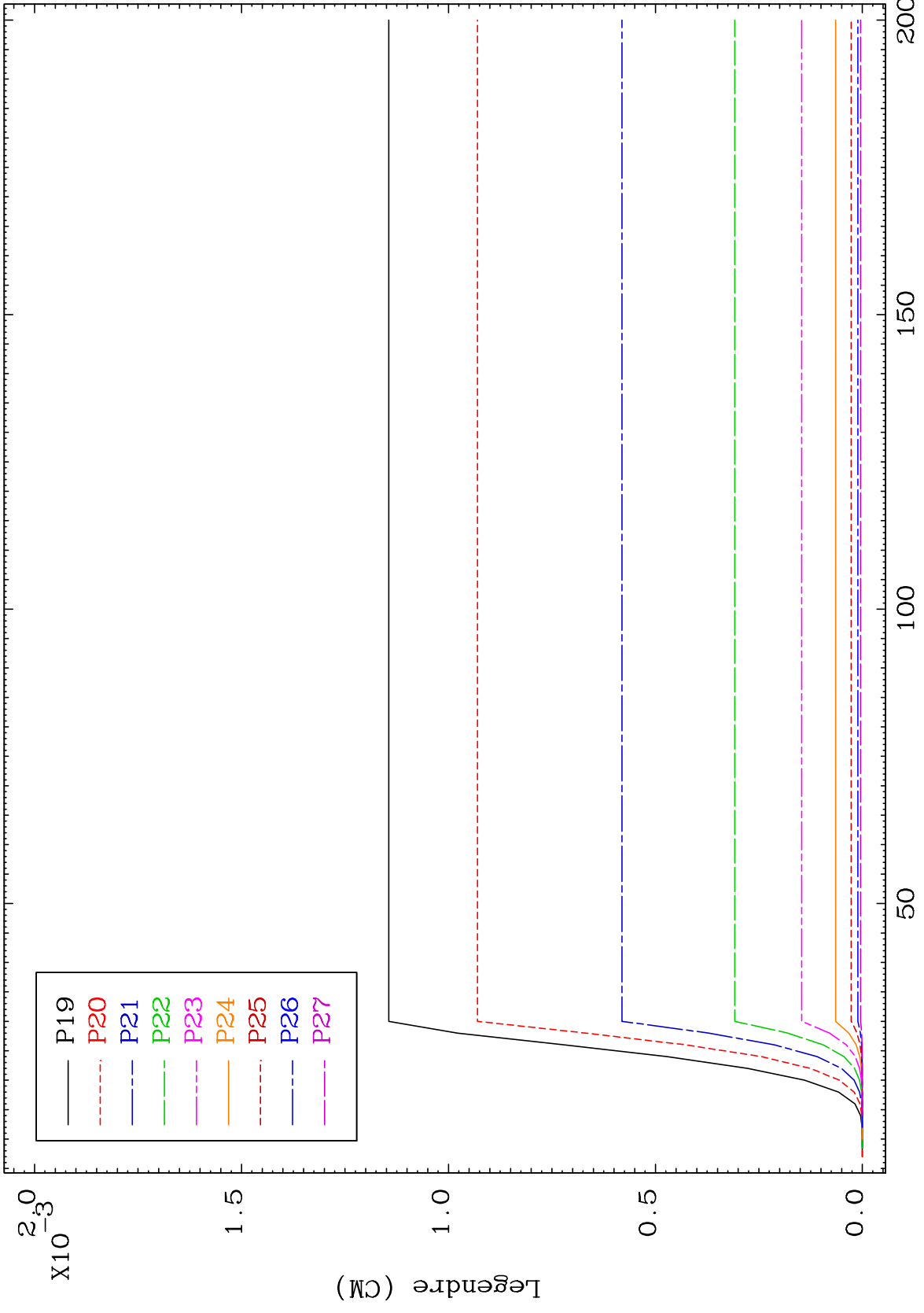
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Legendre (CM)

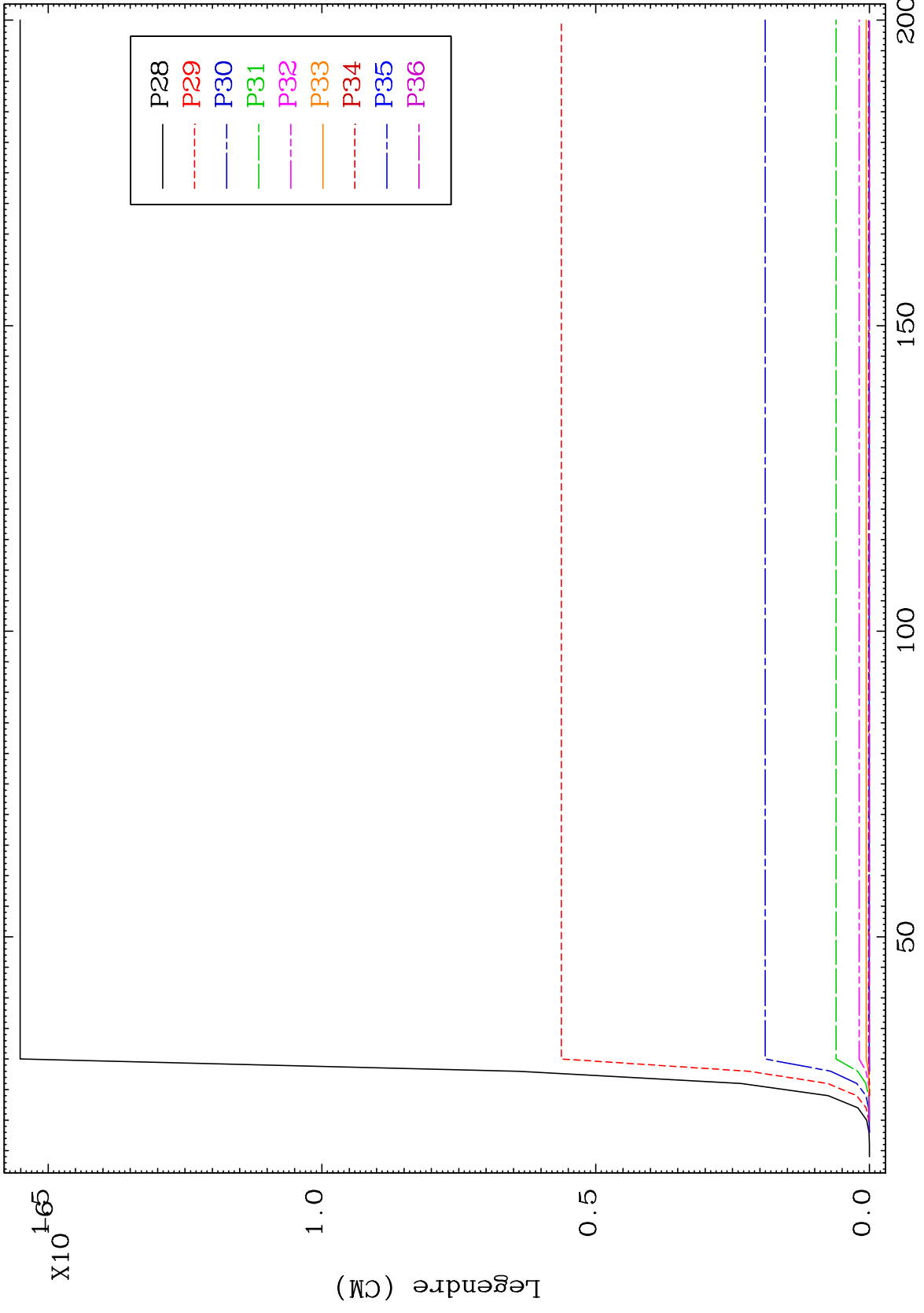




MAT 5210

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

52-Te-115

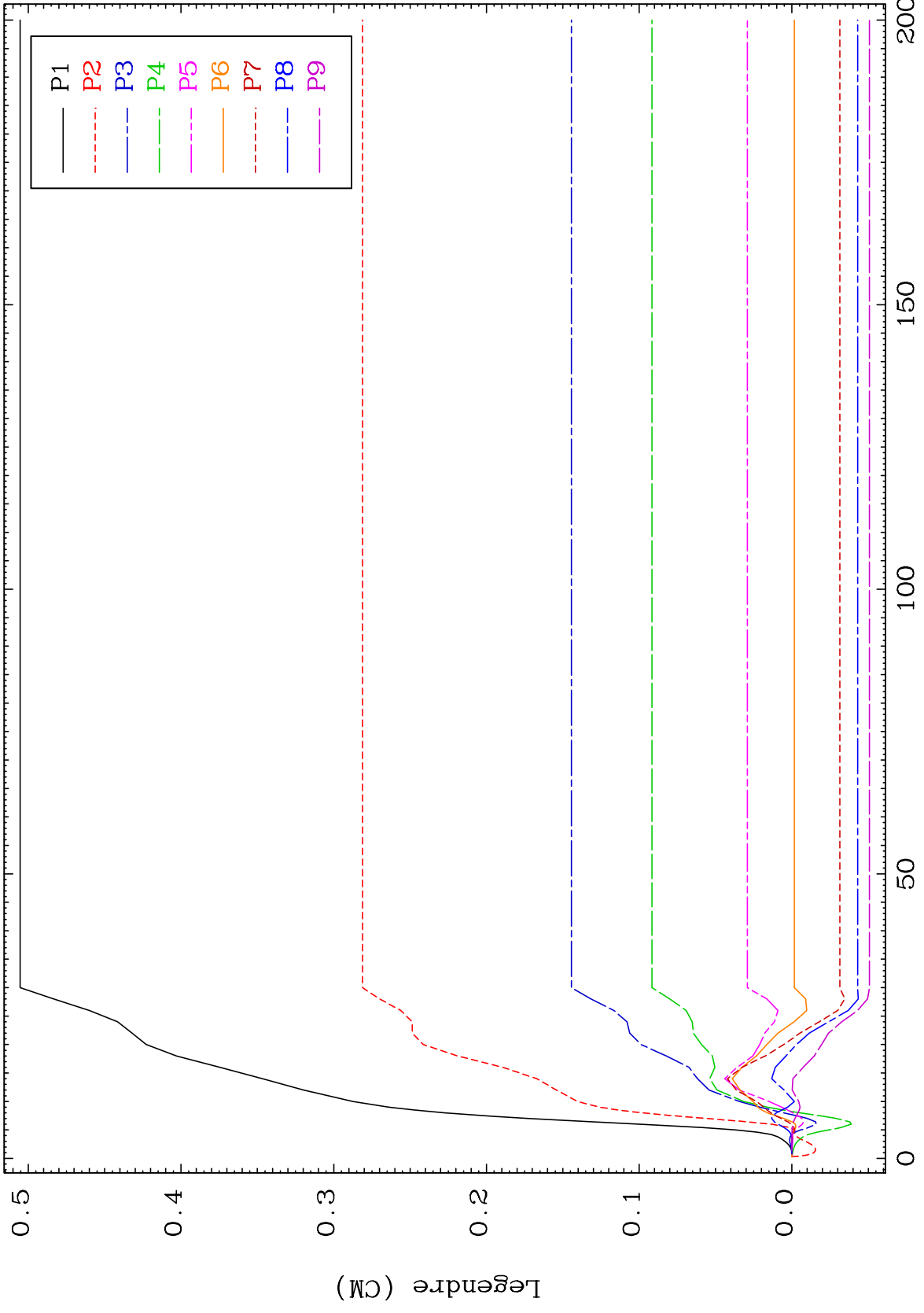


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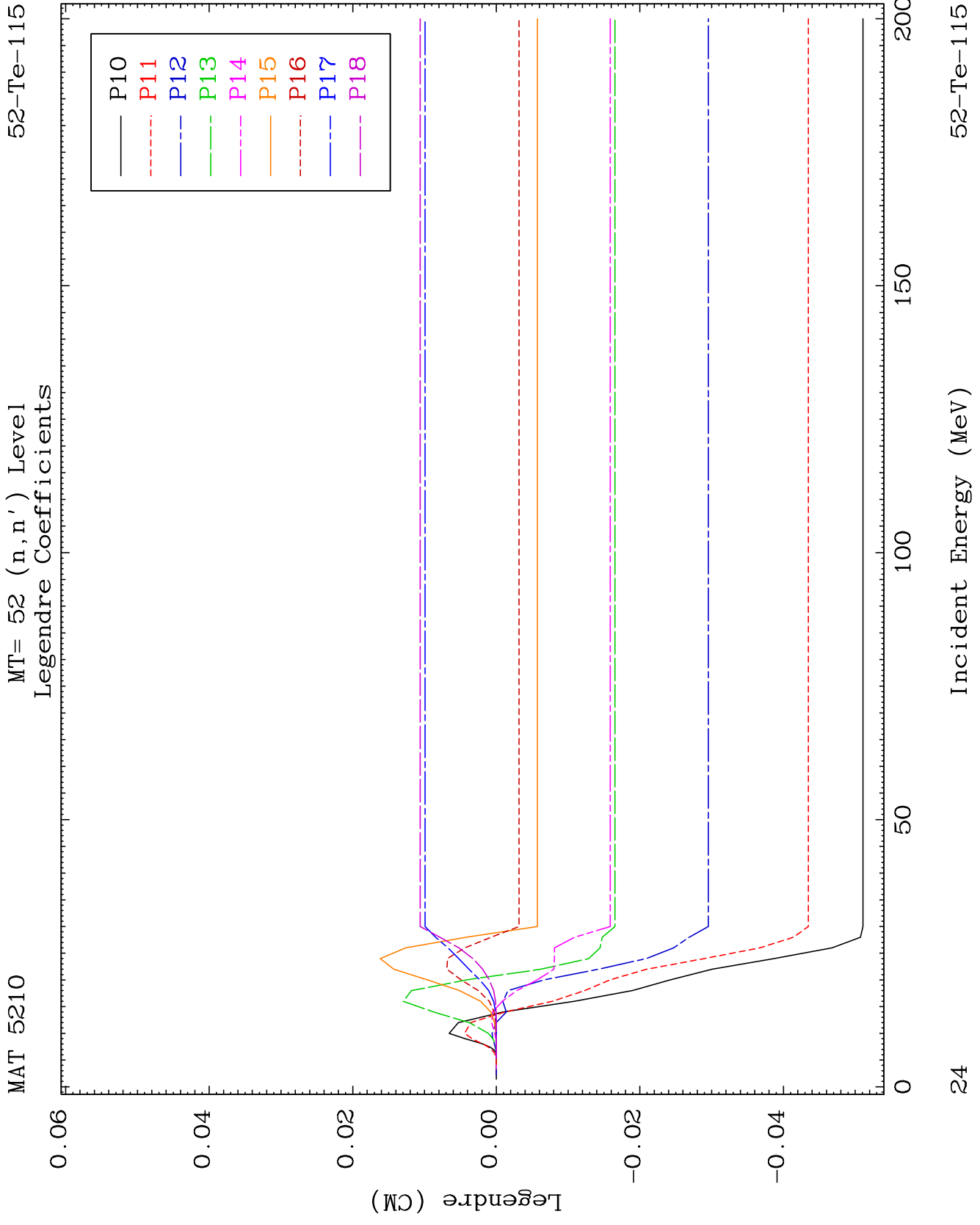
Incident Energy (MeV)

52-Te-115

MAT 5210 MT= 52 (n,n') Level Legendre Coefficients 52-Te-115



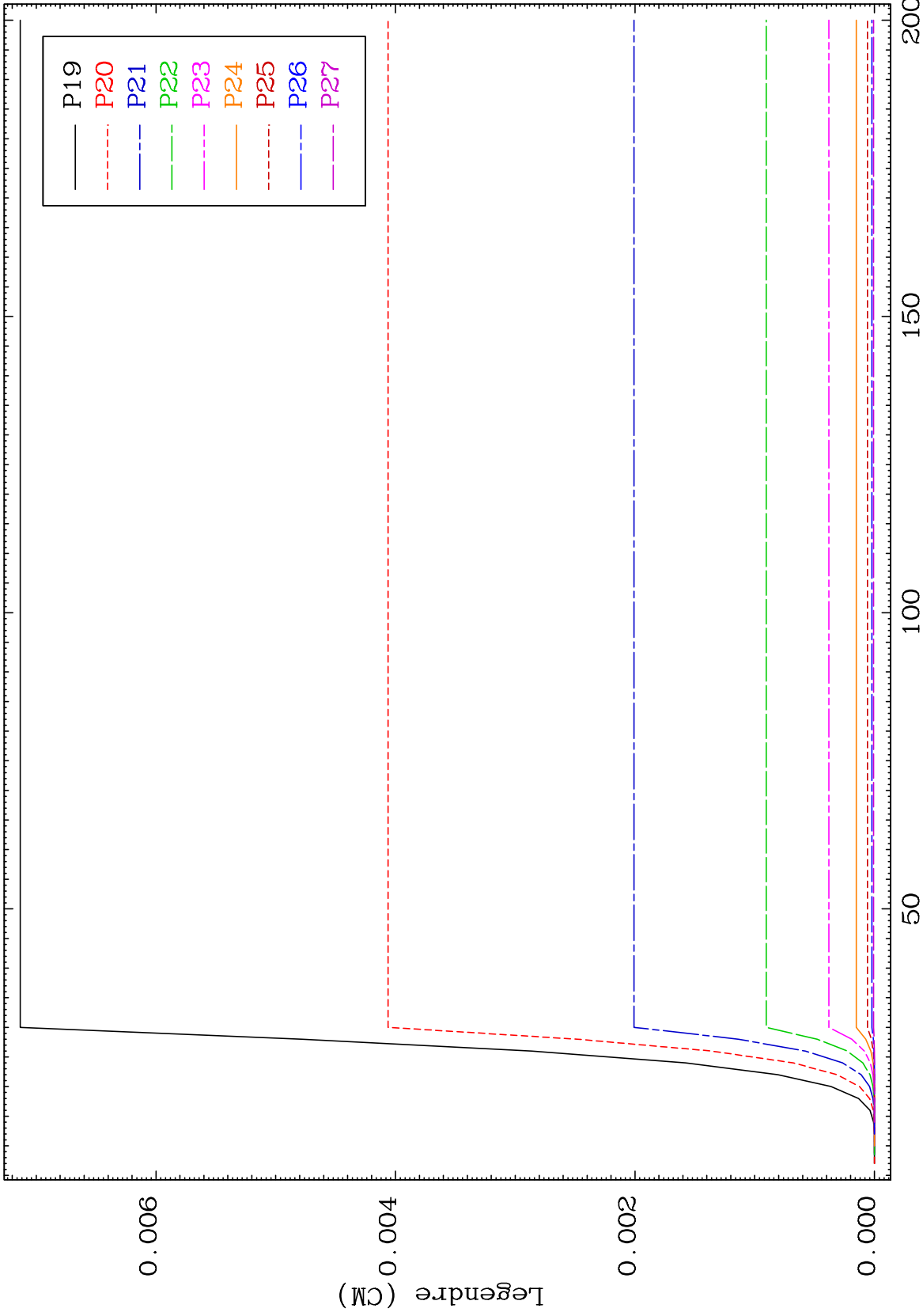
23 52-Te-115



MAT 5210

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

52-Te-115



25

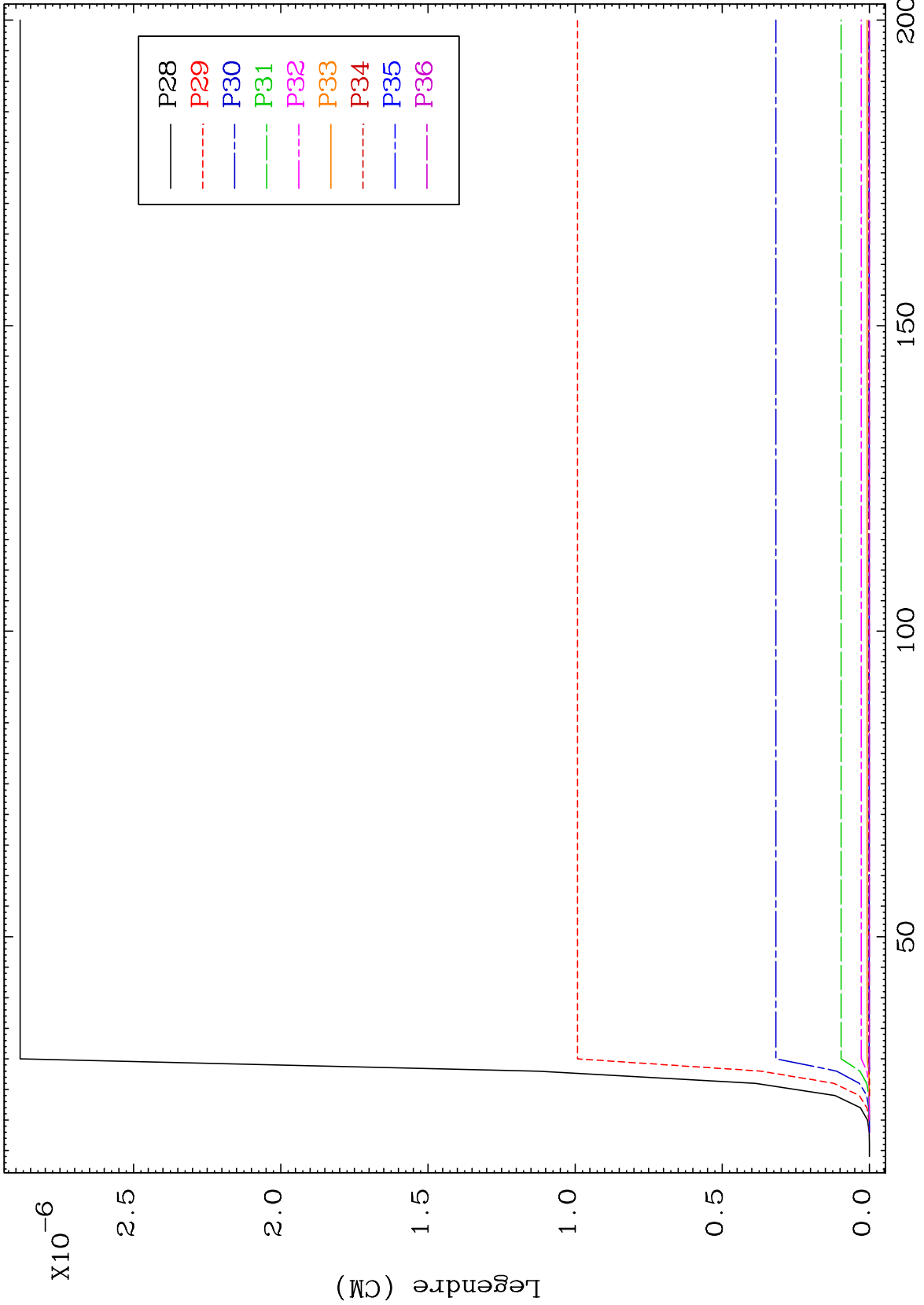
Incident Energy (MeV)

52-Te-115

MAT 5210

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

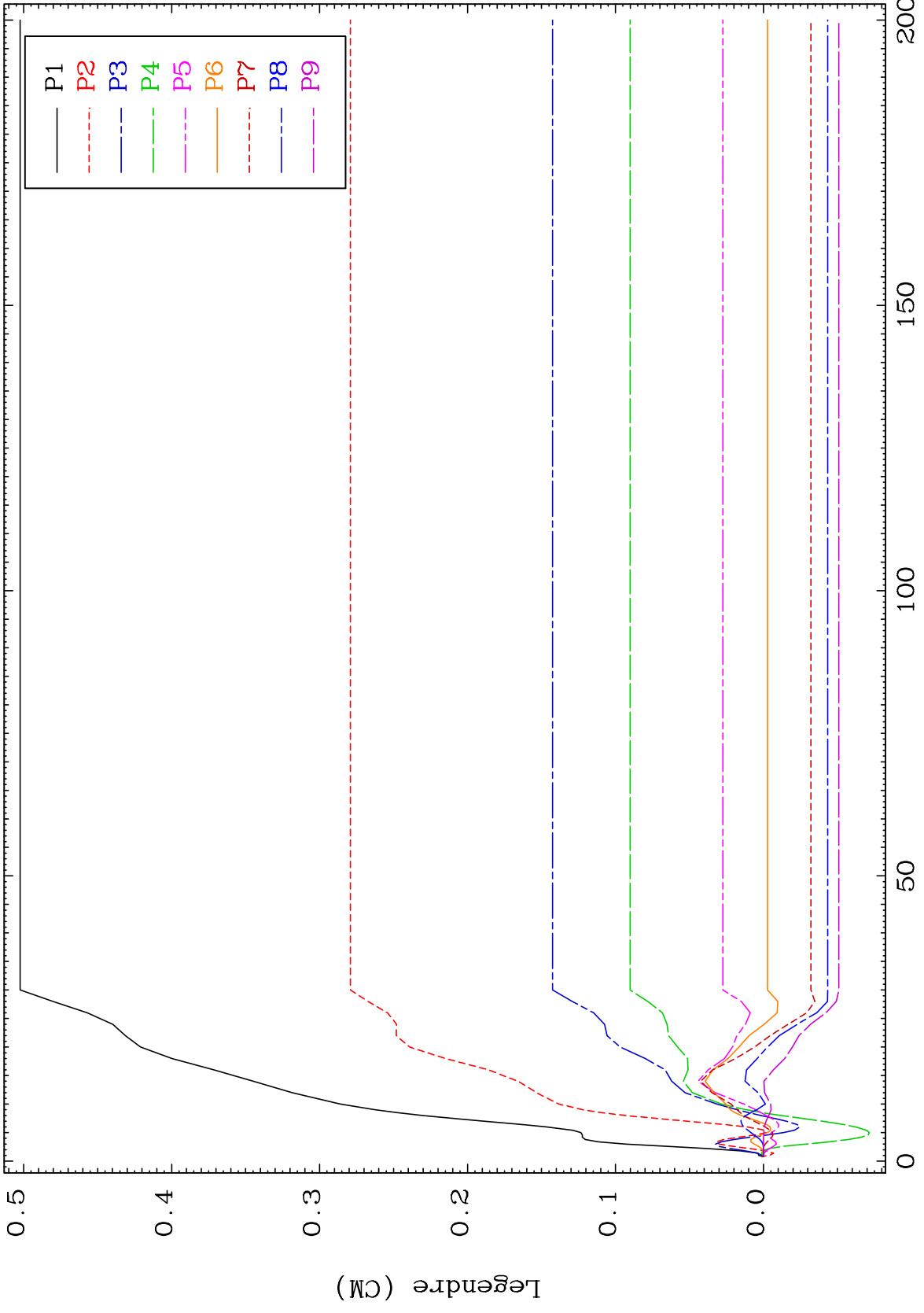
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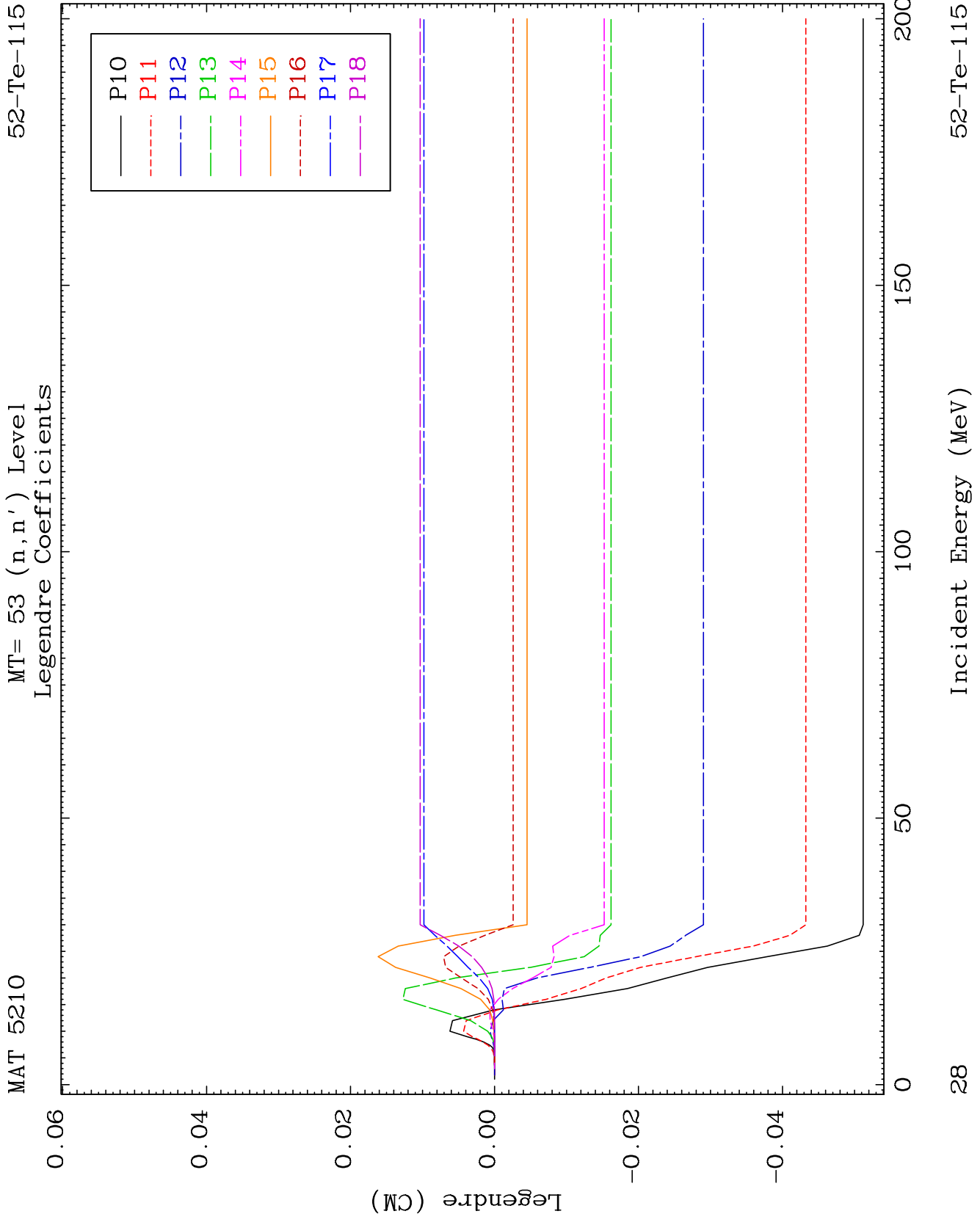
26

52-Te-115

MAT 5210 MT= 53 (n,n') Level Legendre Coefficients 52-Te-115



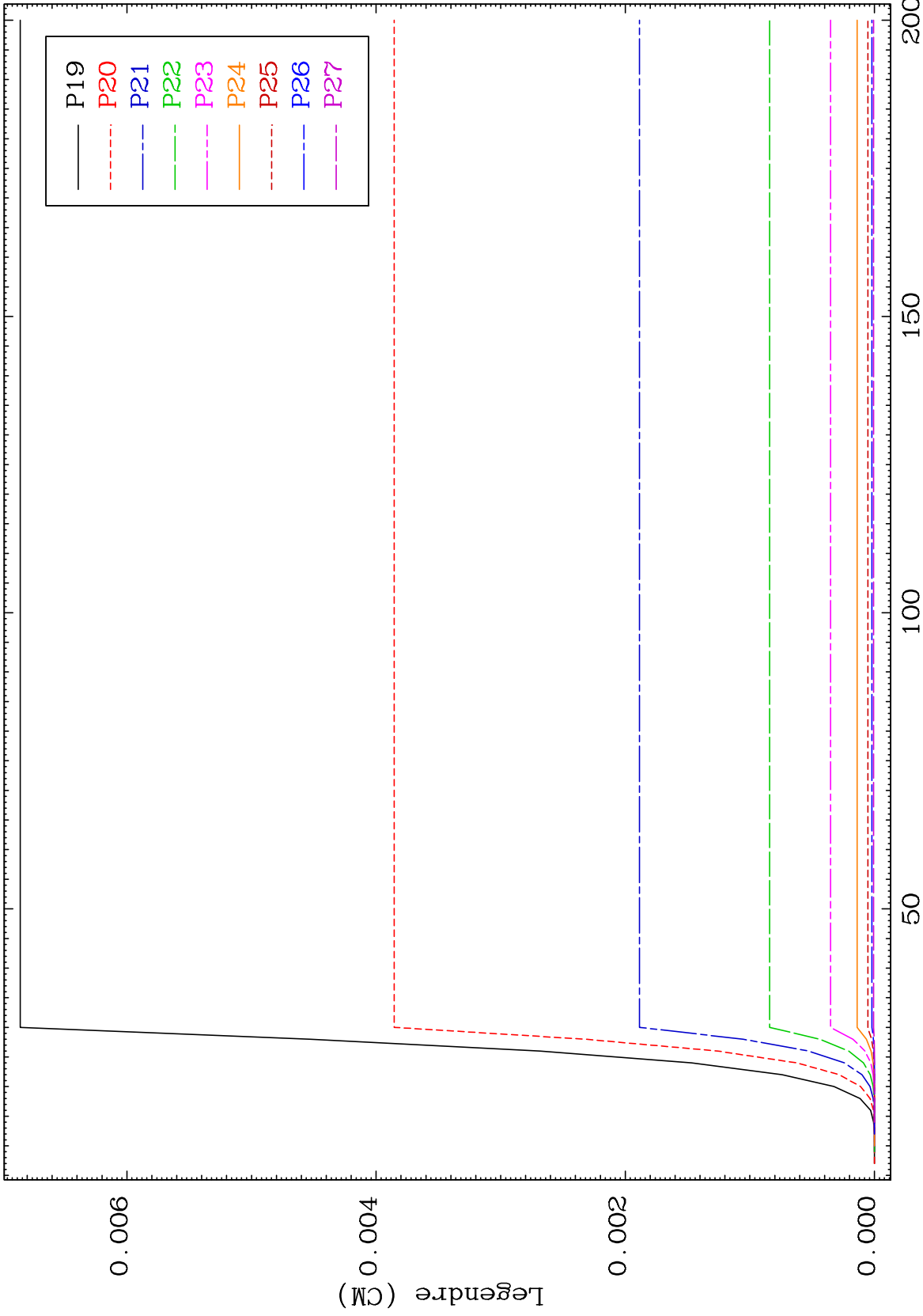
27 52-Te-115



MAT 5210

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

52-Te-115



29

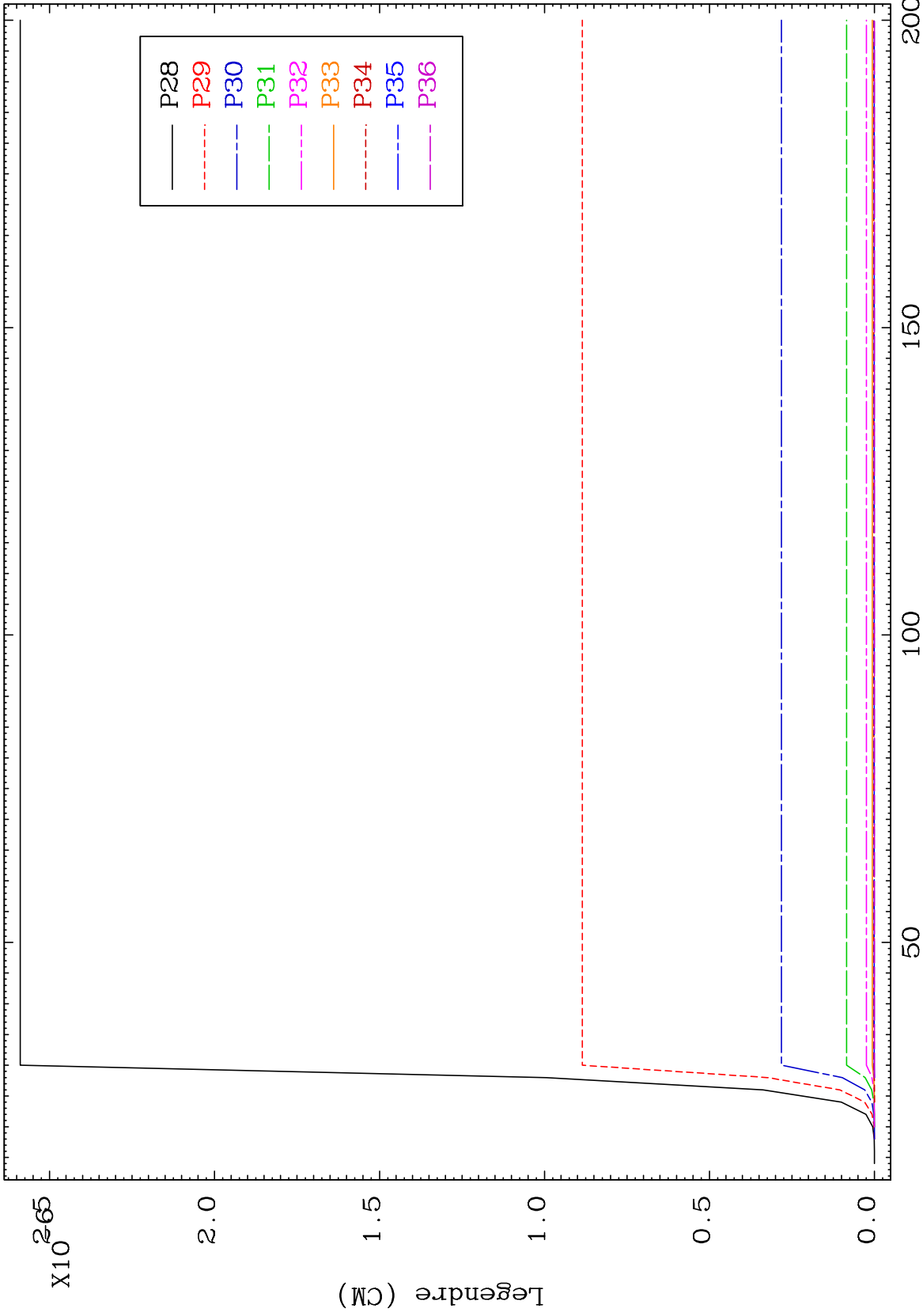
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



30

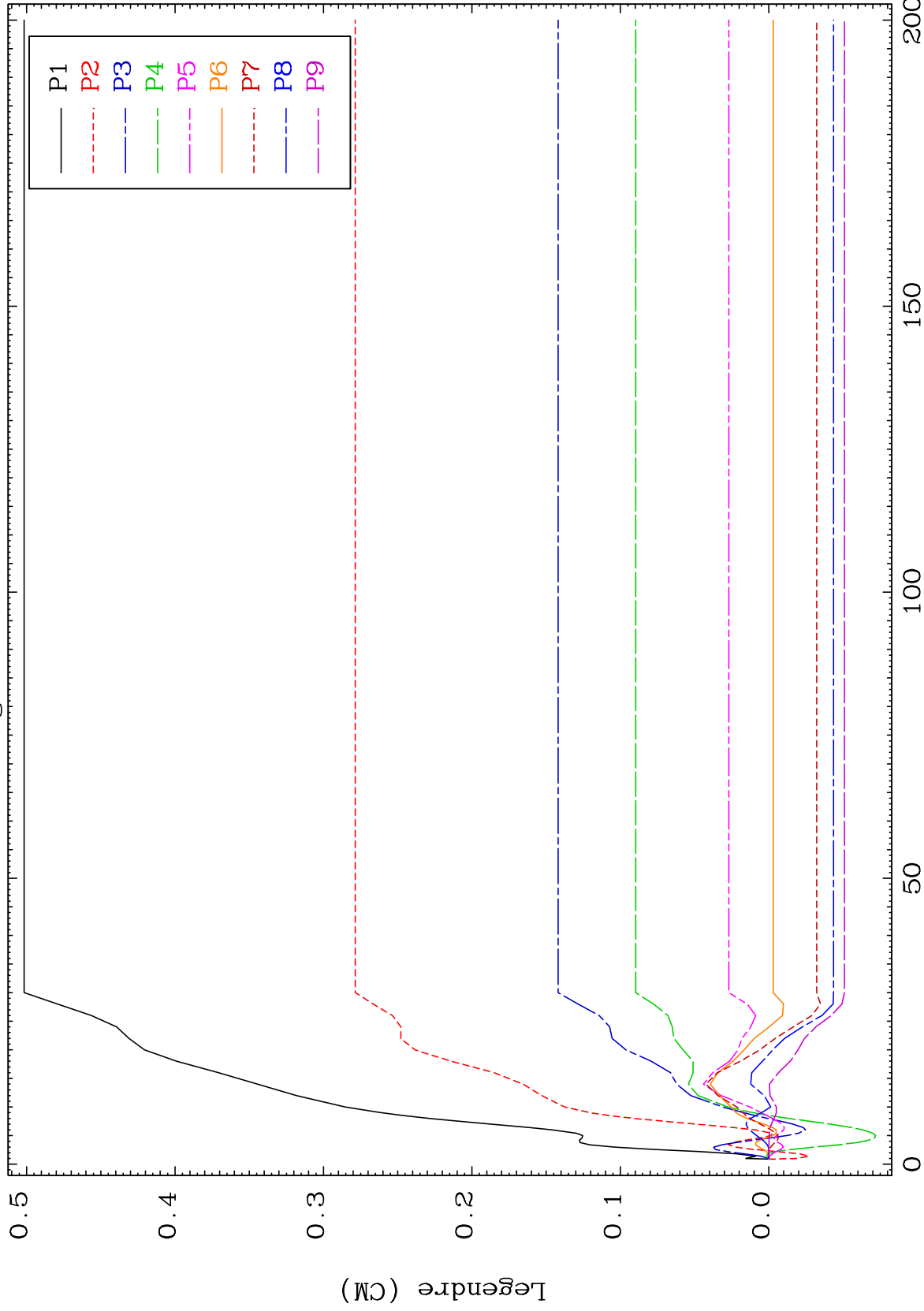
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115

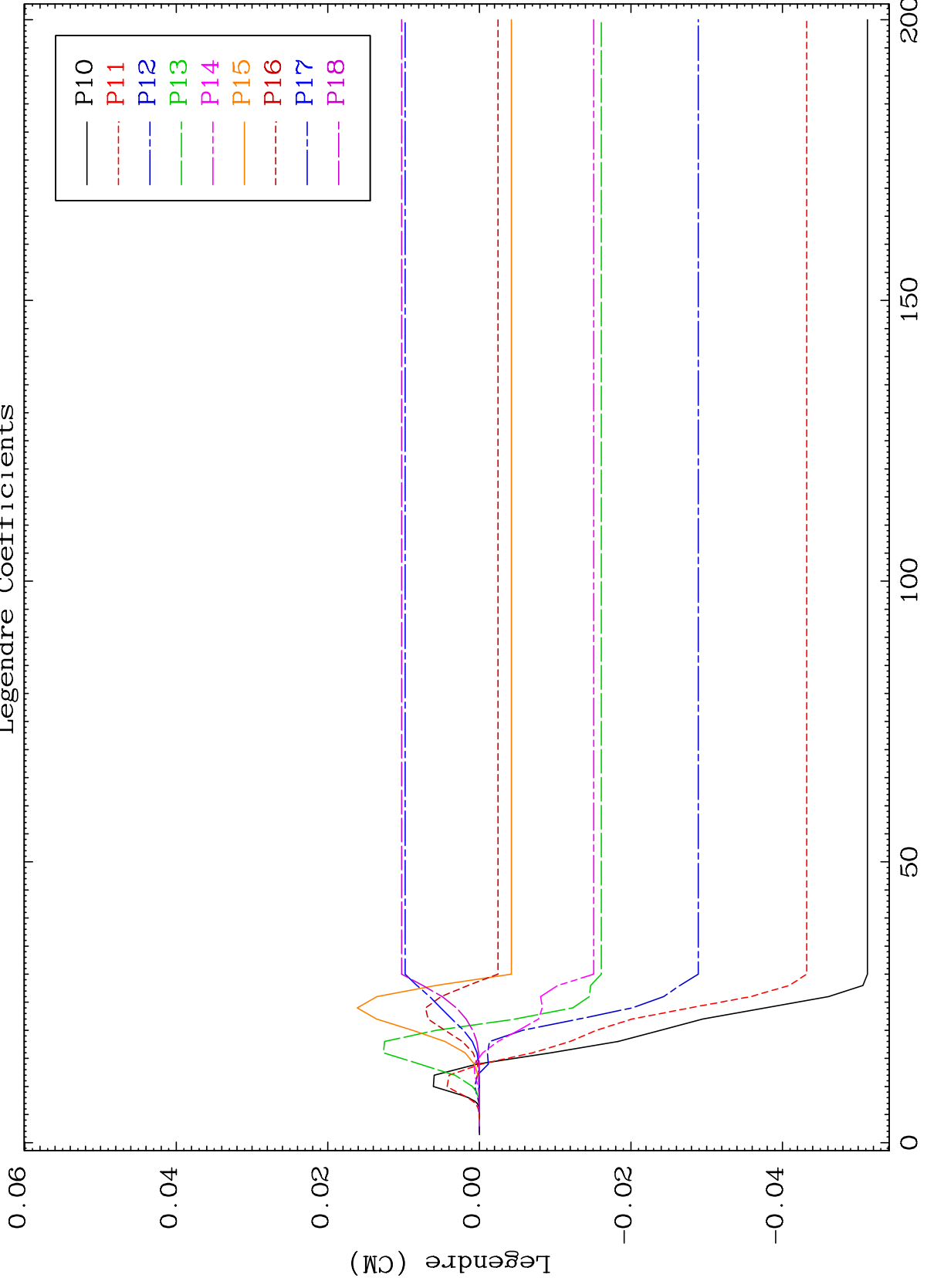


31

Incident Energy (MeV)

52-Te-115

MAT 5210 MT= 54 (n,n') Level Legendre Coefficients 52-Te-115

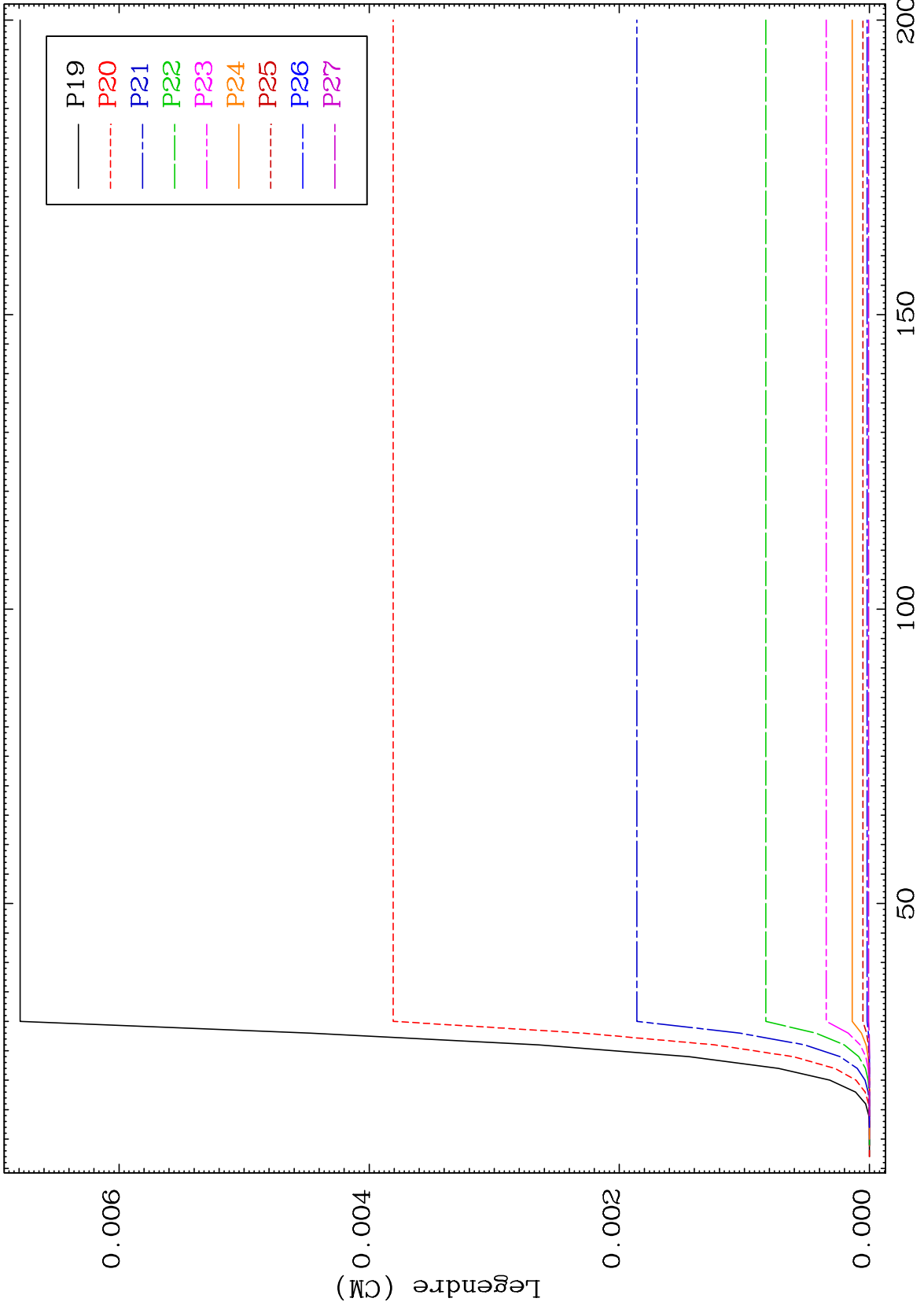


32 Incident Energy (MeV) 52-Te-115

MAT 5210

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

52-Te-115



33

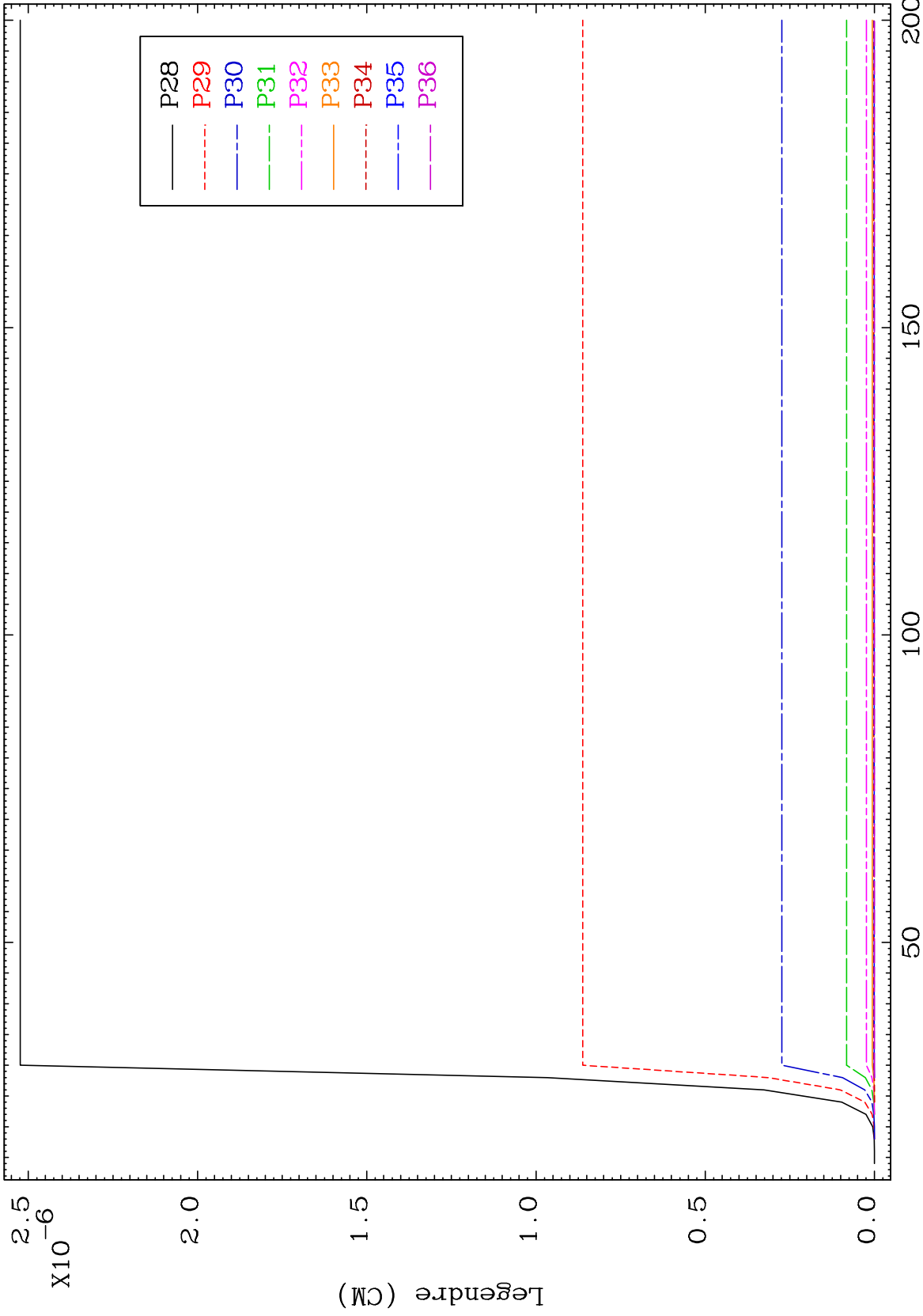
Incident Energy (MeV)

52-Te-115

MAT 5210

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

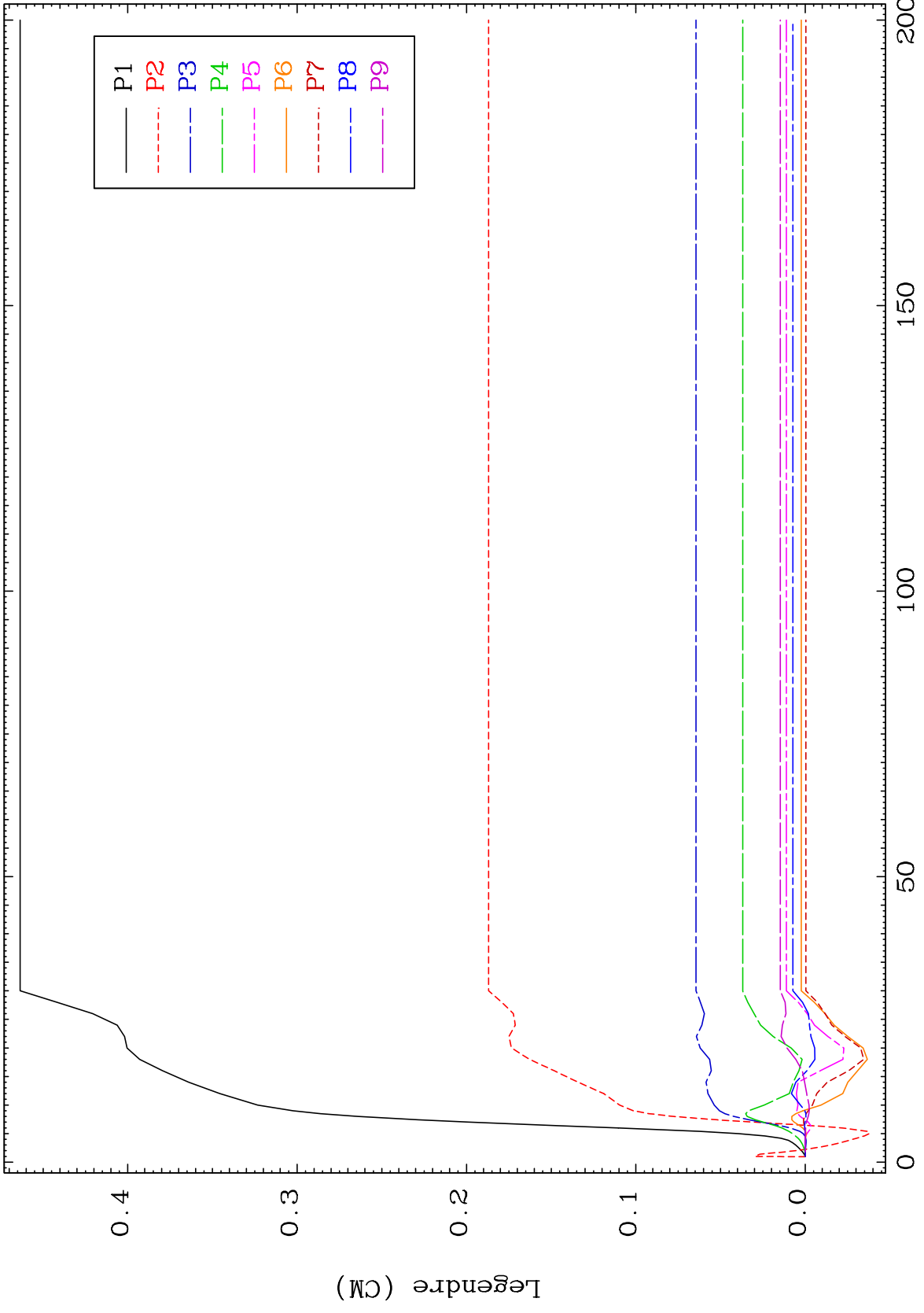
52-Te-115



34

52-Te-115

MAT 5210 MT= 55 (n,n') Level Legendre Coefficients 52-Te-115

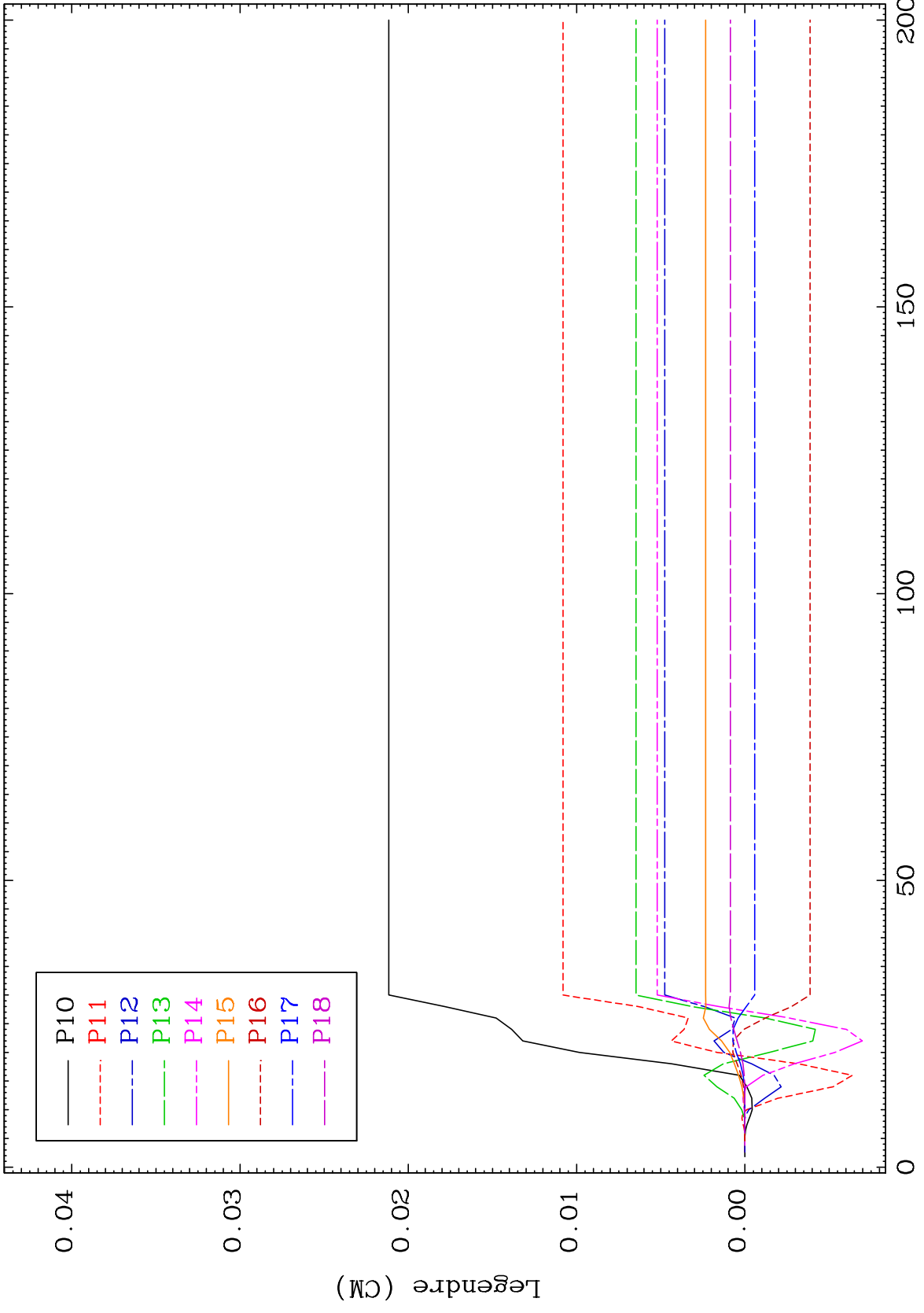


35 Incident Energy (MeV) 52-Te-115

MAT 5210

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

52-Te-115



36

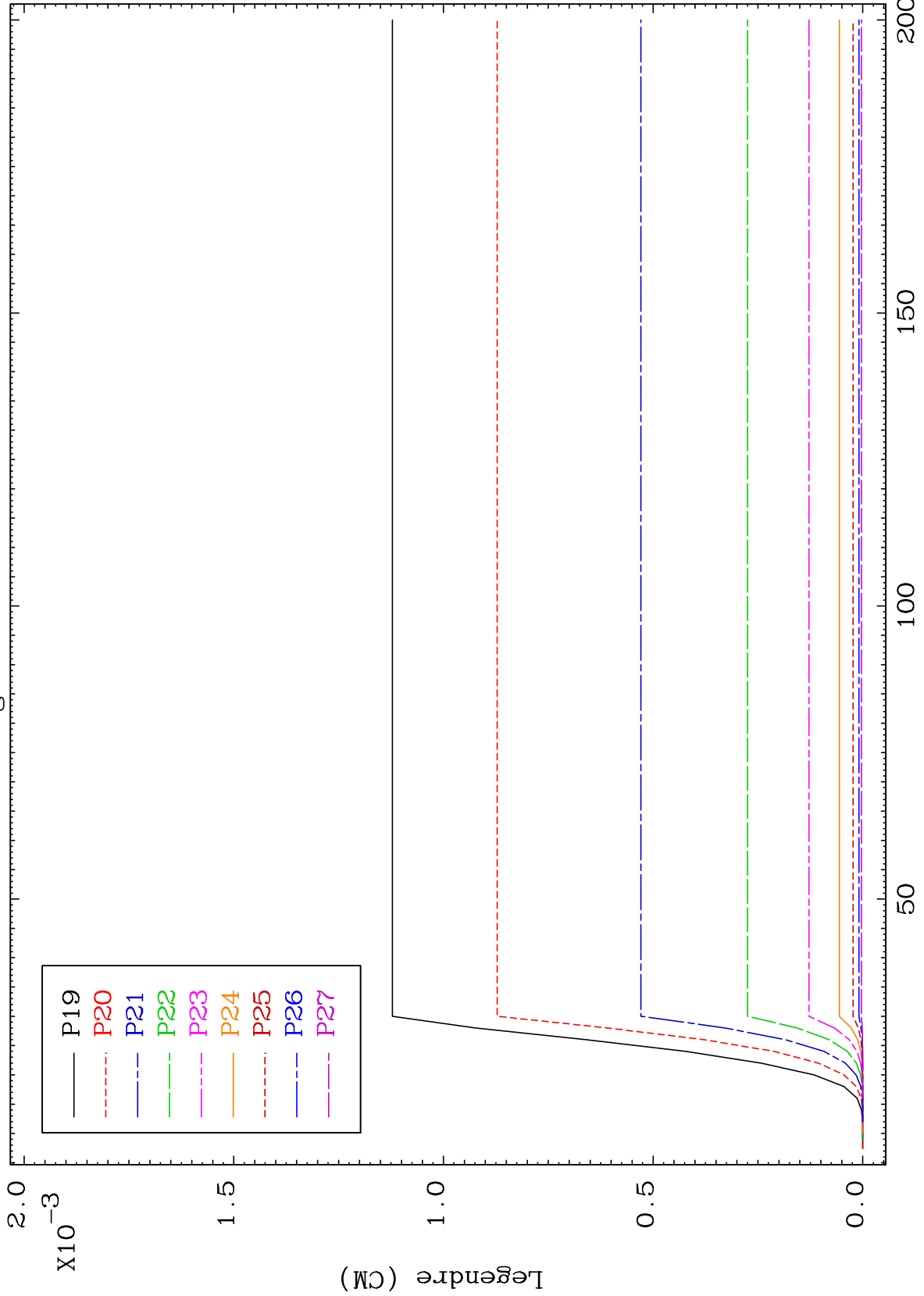
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



37

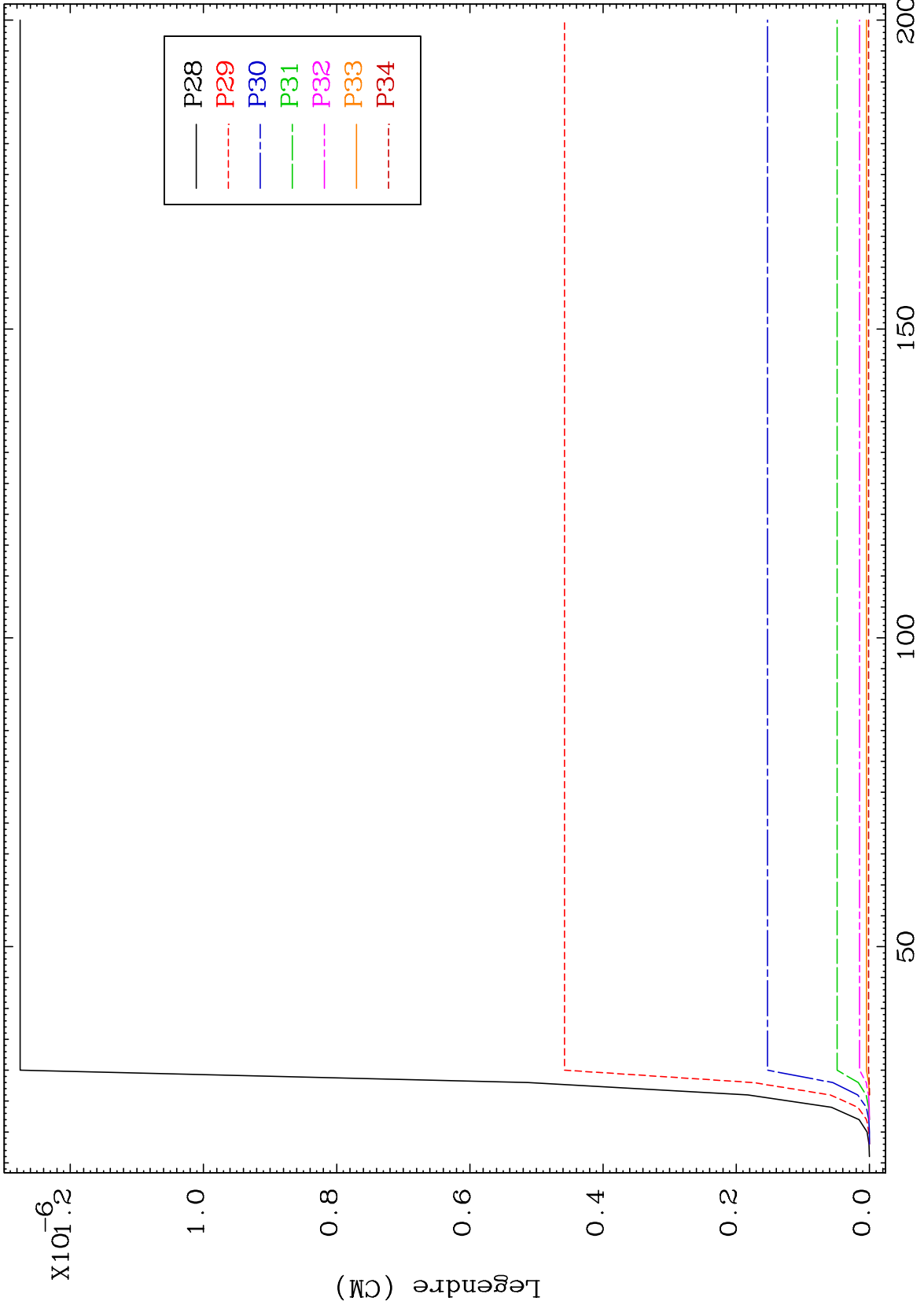
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115

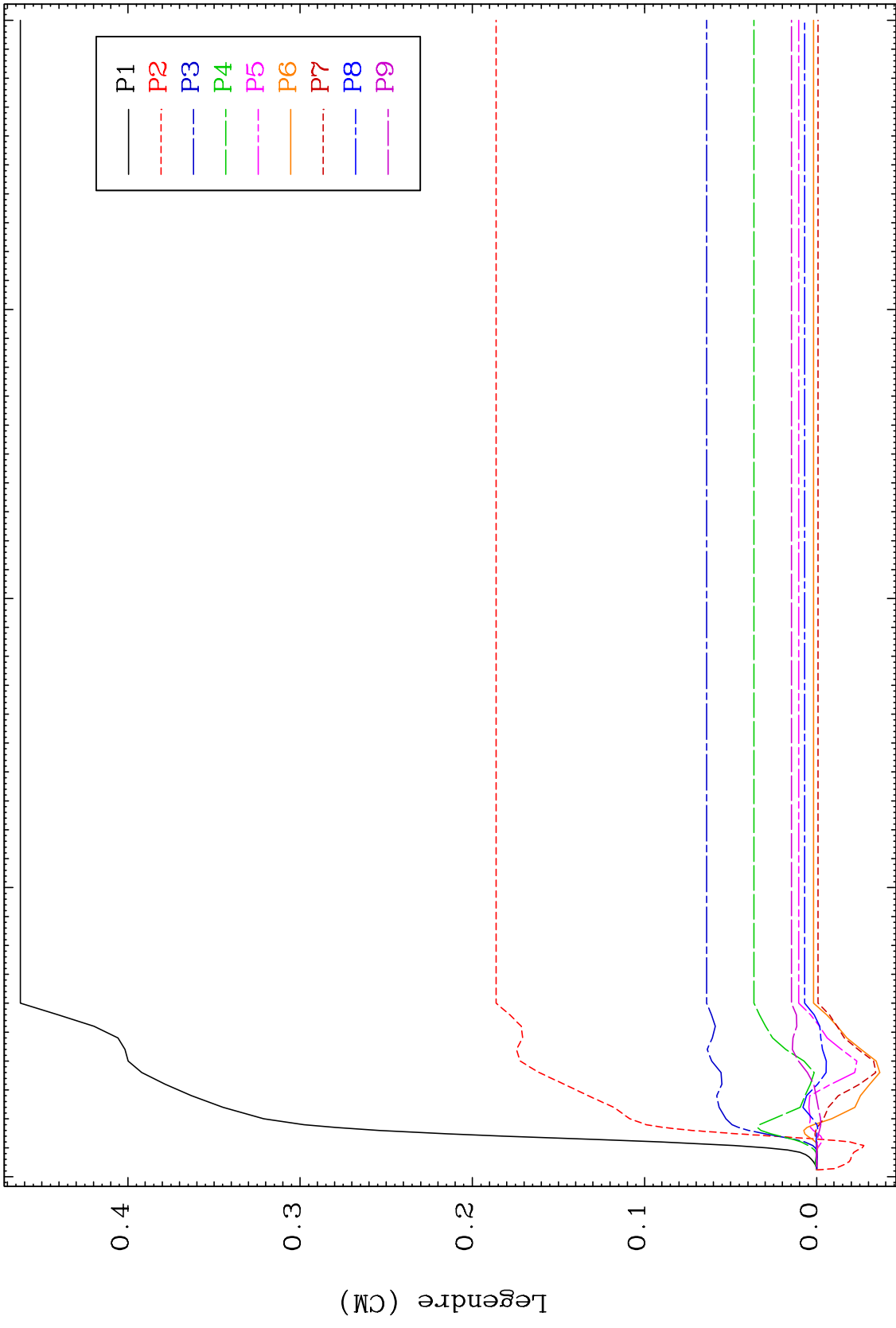


38

Incident Energy (MeV)

52-Te-115

MAT 5210 MT= 56 (n,n') Level Legendre Coefficients 52-Te-115

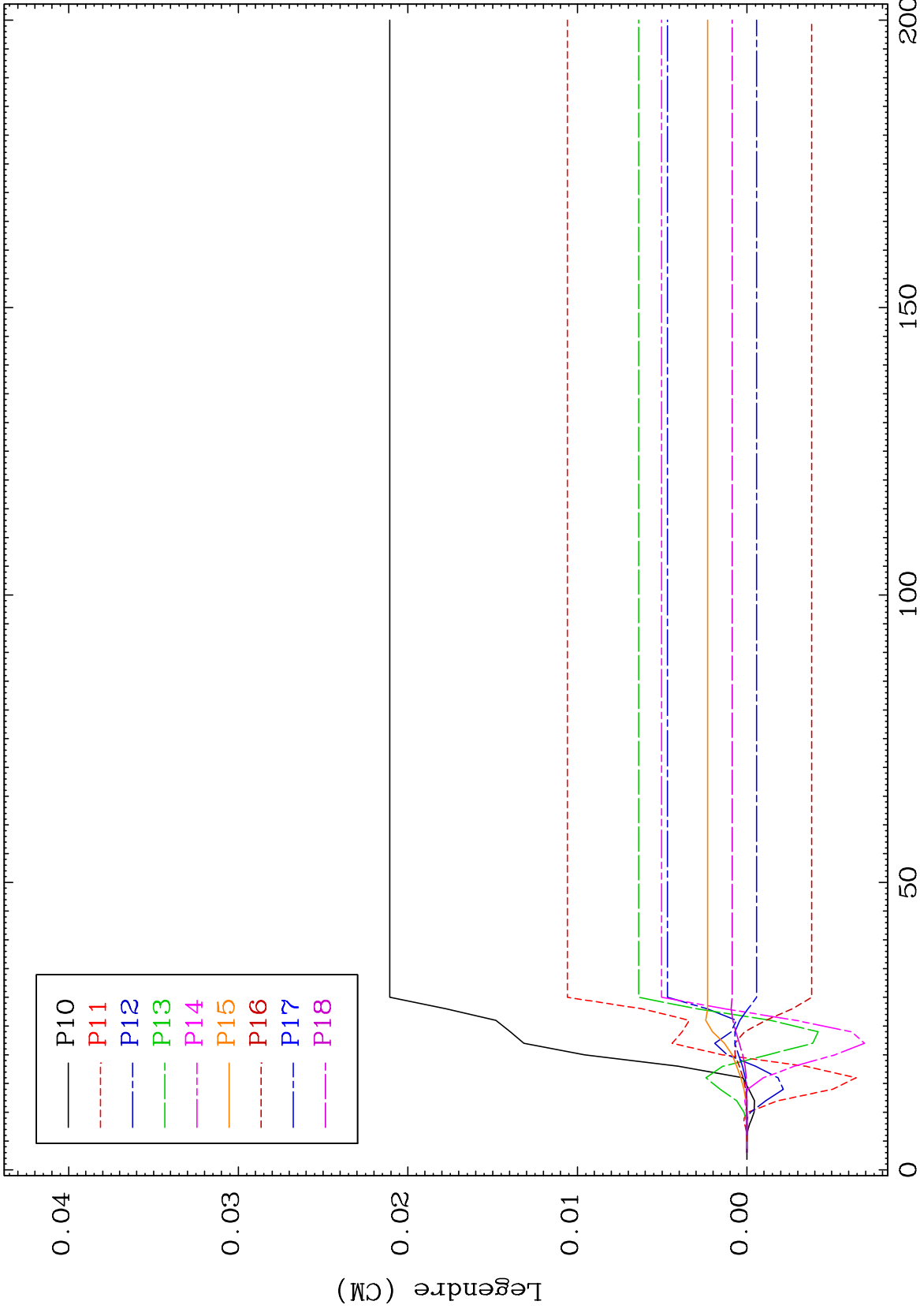


39 52-Te-115

MAT 5210

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

52-Te-115



0

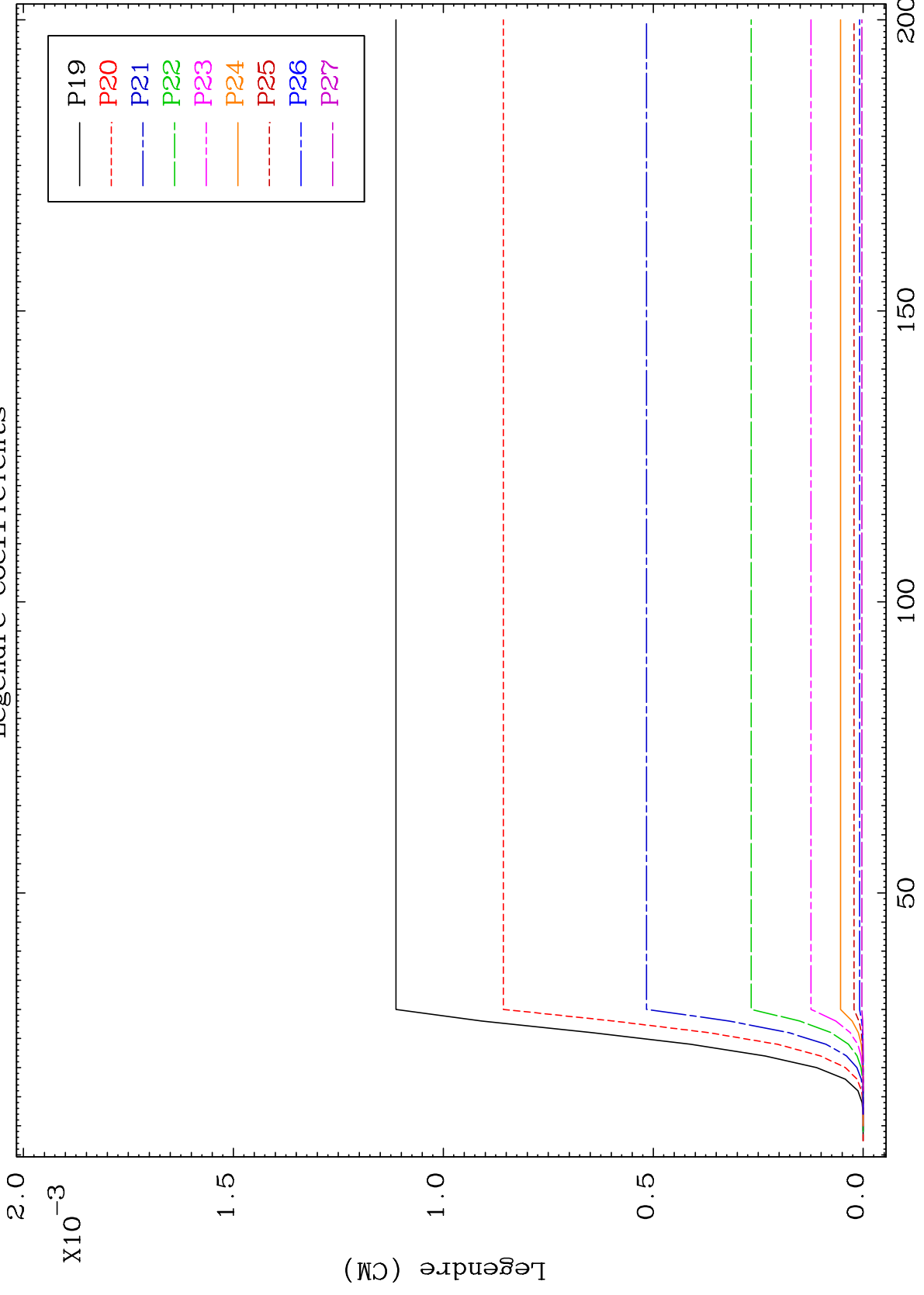
50

100

150

200

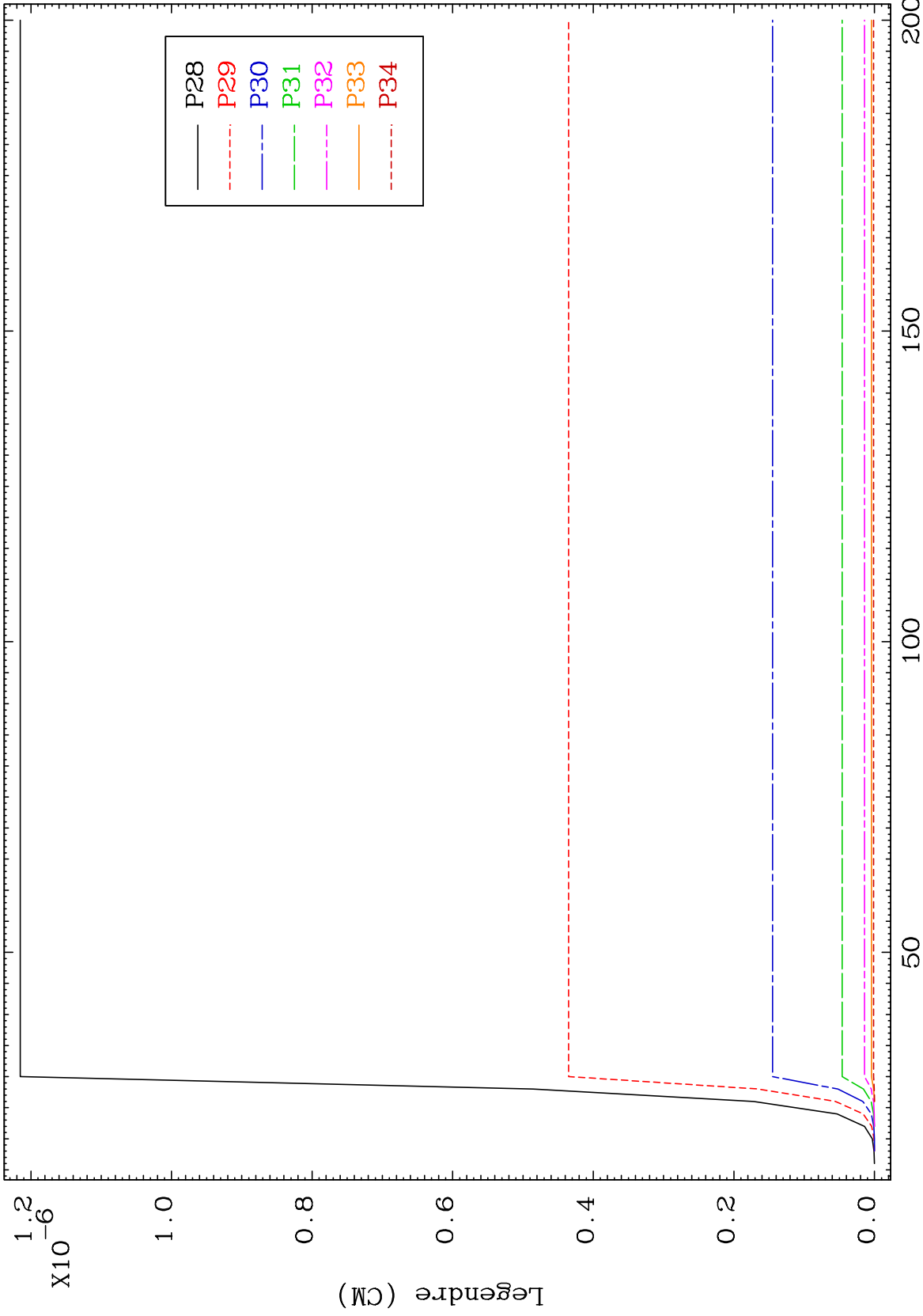
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MAT 5210

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

52-Te-115



42

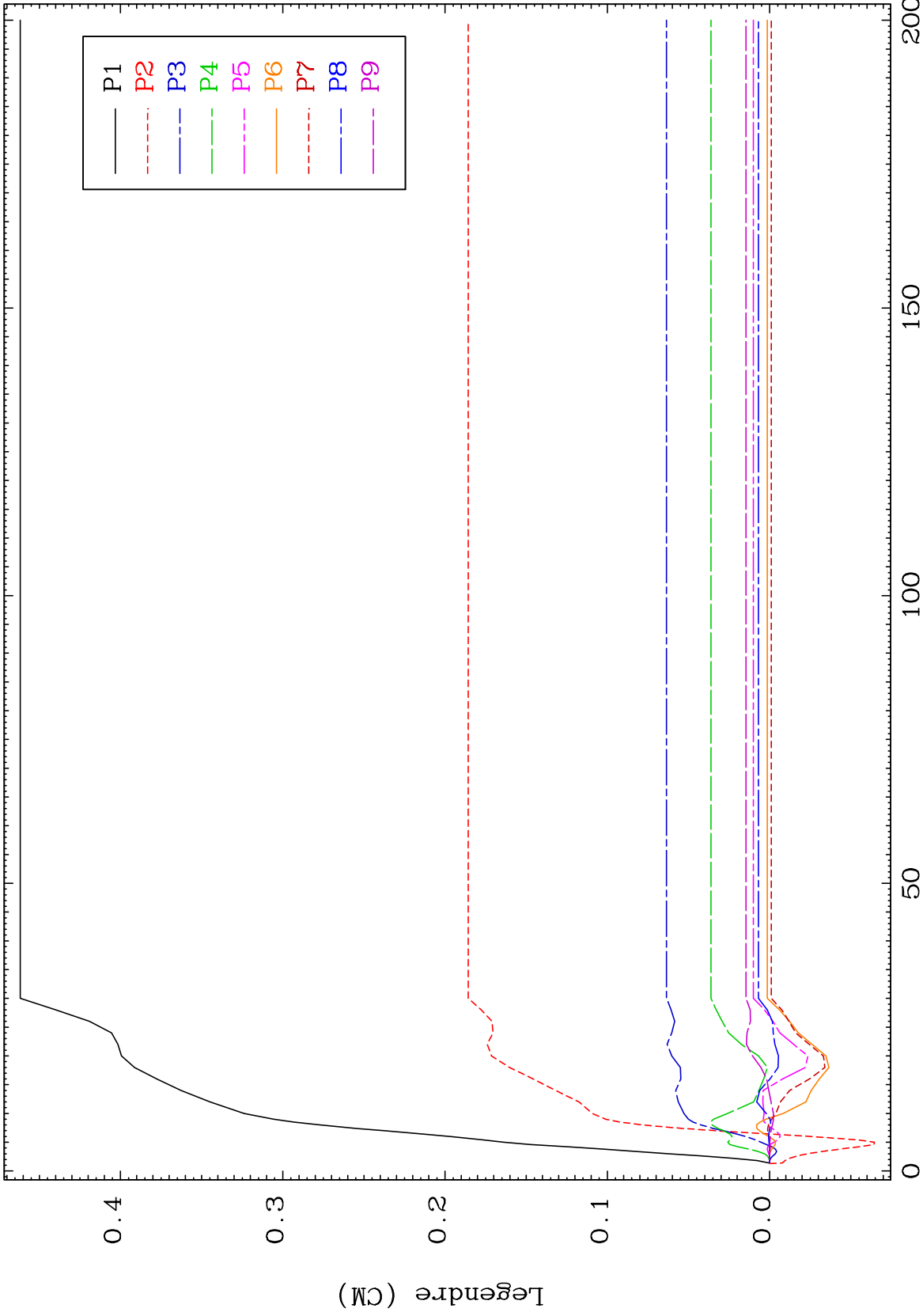
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



43

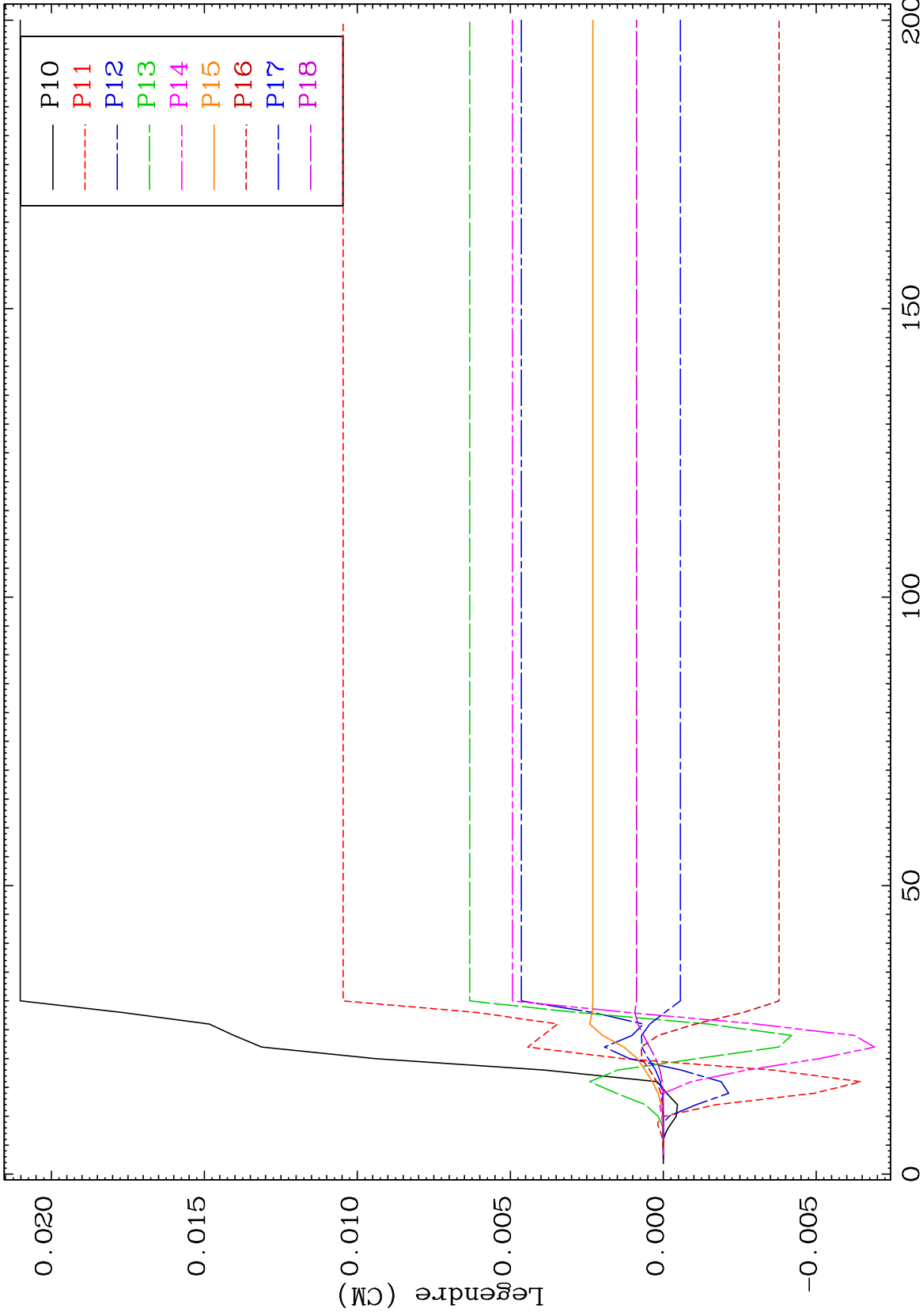
Incident Energy (MeV)

52-Te-115

MAT 5210

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

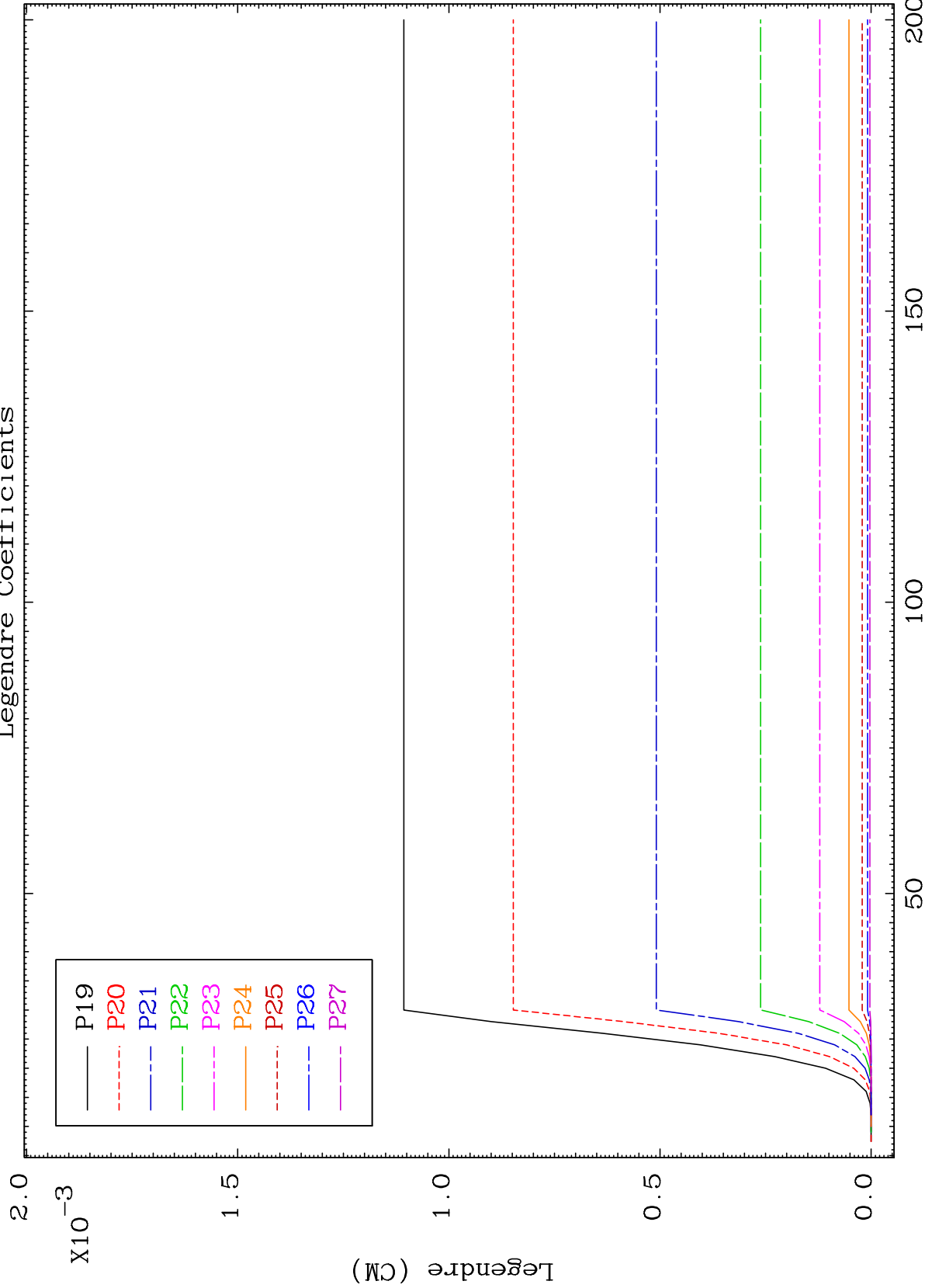
52-Te-115



44

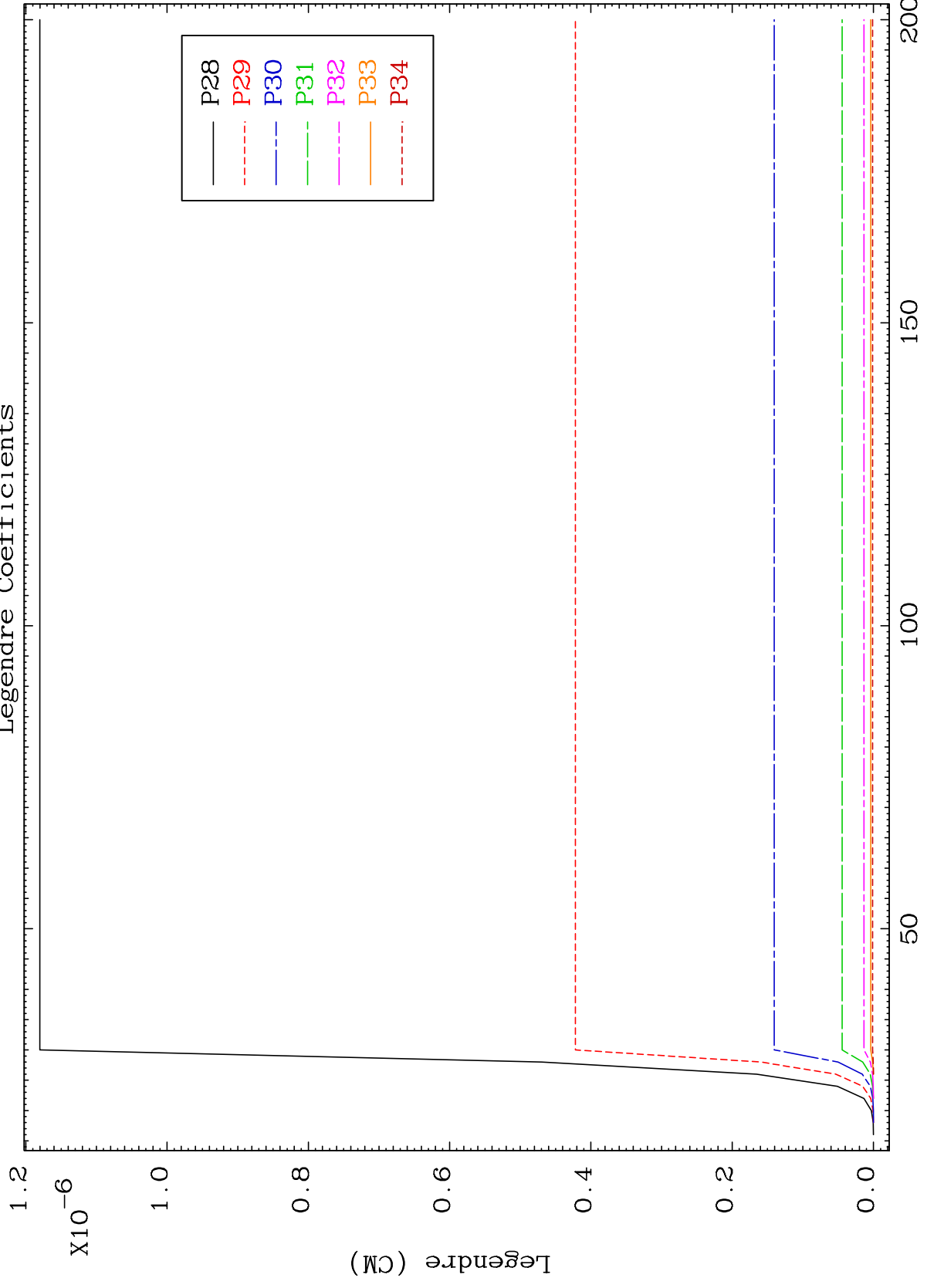
52-Te-115

MAT 5210 MT= 57 (n,n') Level Legendre Coefficients 52-Te-115



45 Incident Energy (MeV) 52-Te-115

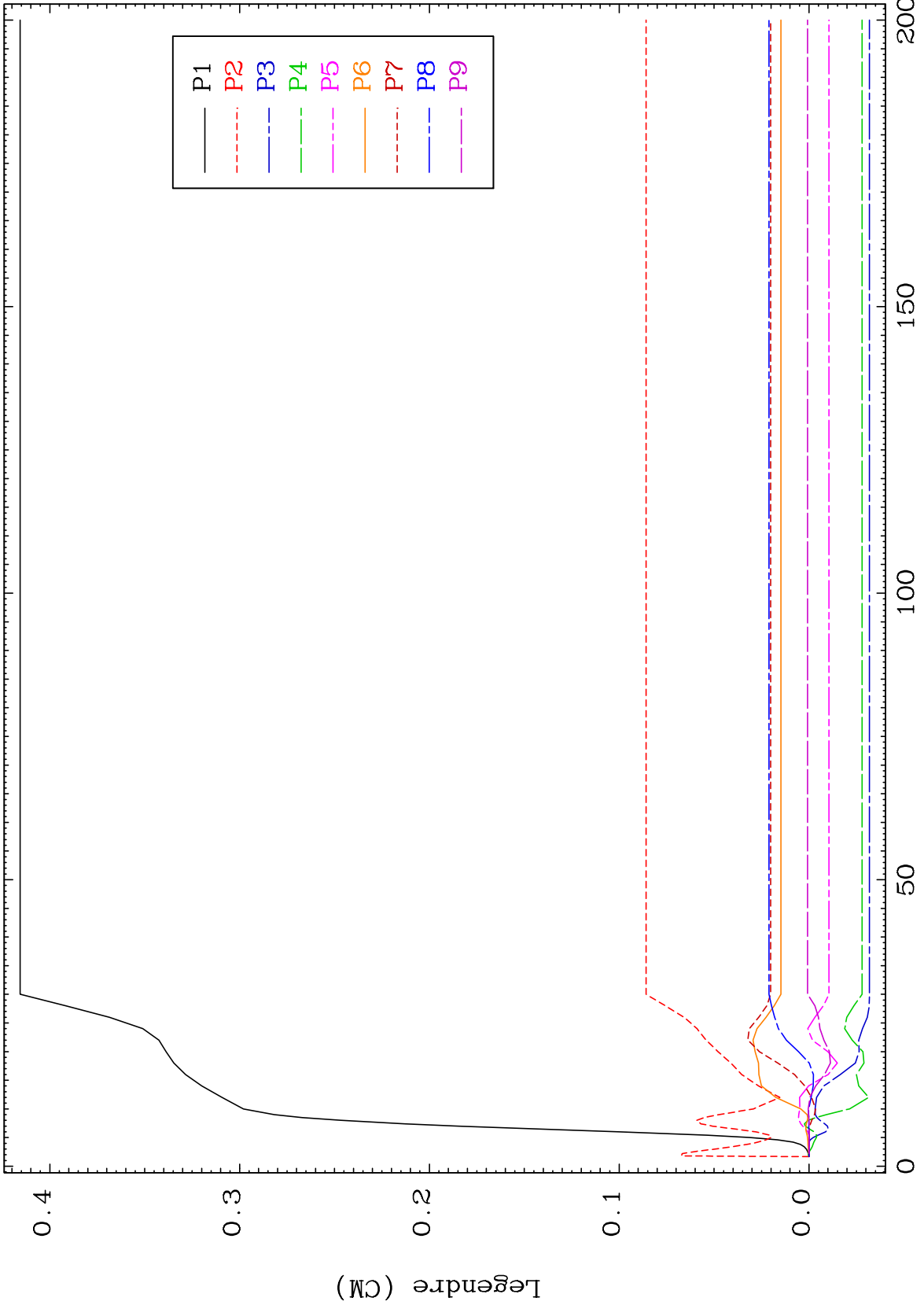
MAT 5210 MT= 57 (n,n') Level Legendre Coefficients 52-Te-115



MAT 5210

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

52-Te-115

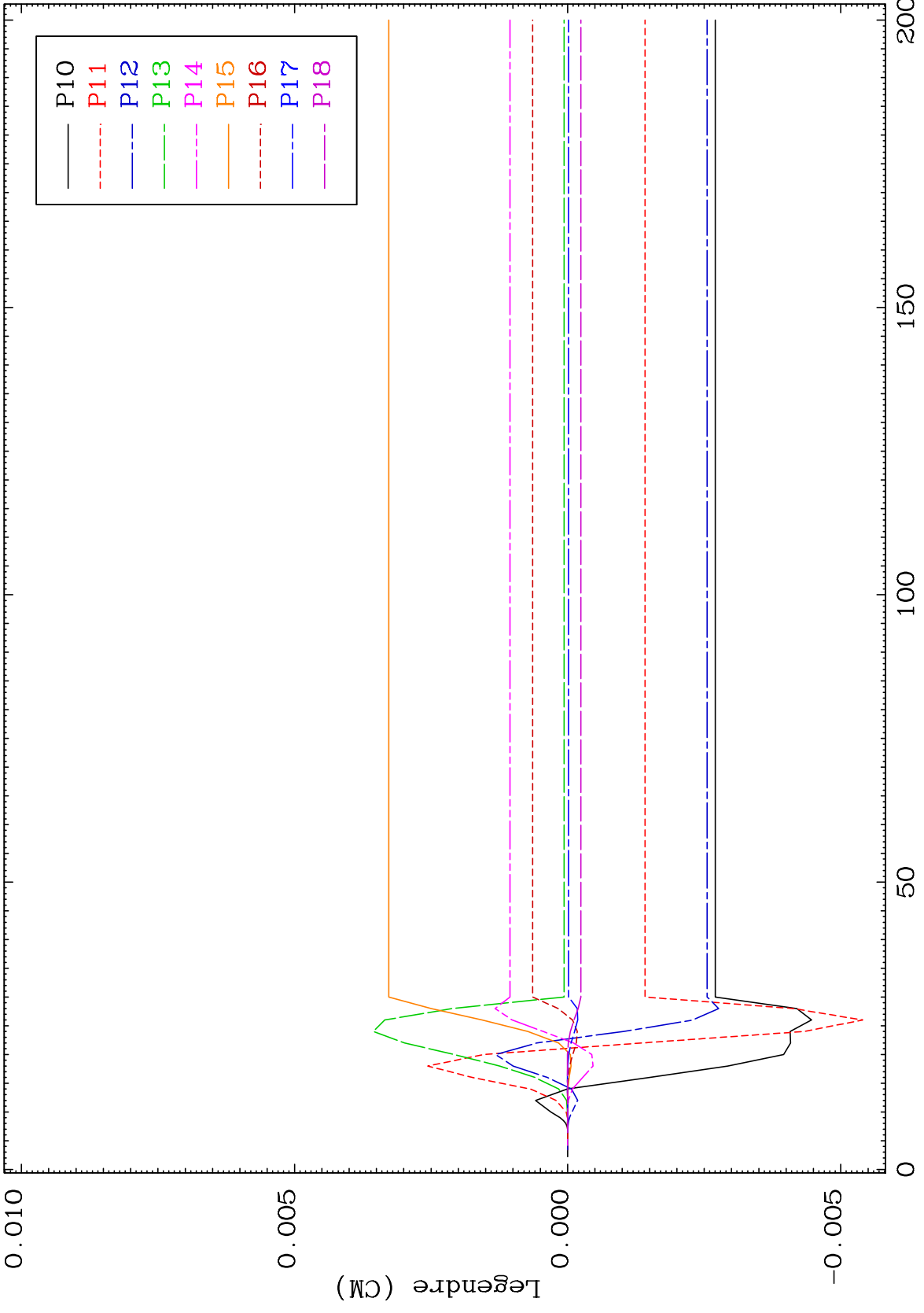


47

Incident Energy (MeV)

52-Te-115

MAT 5210 MT= 58 (n,n') Level Legendre Coefficients 52-Te-115

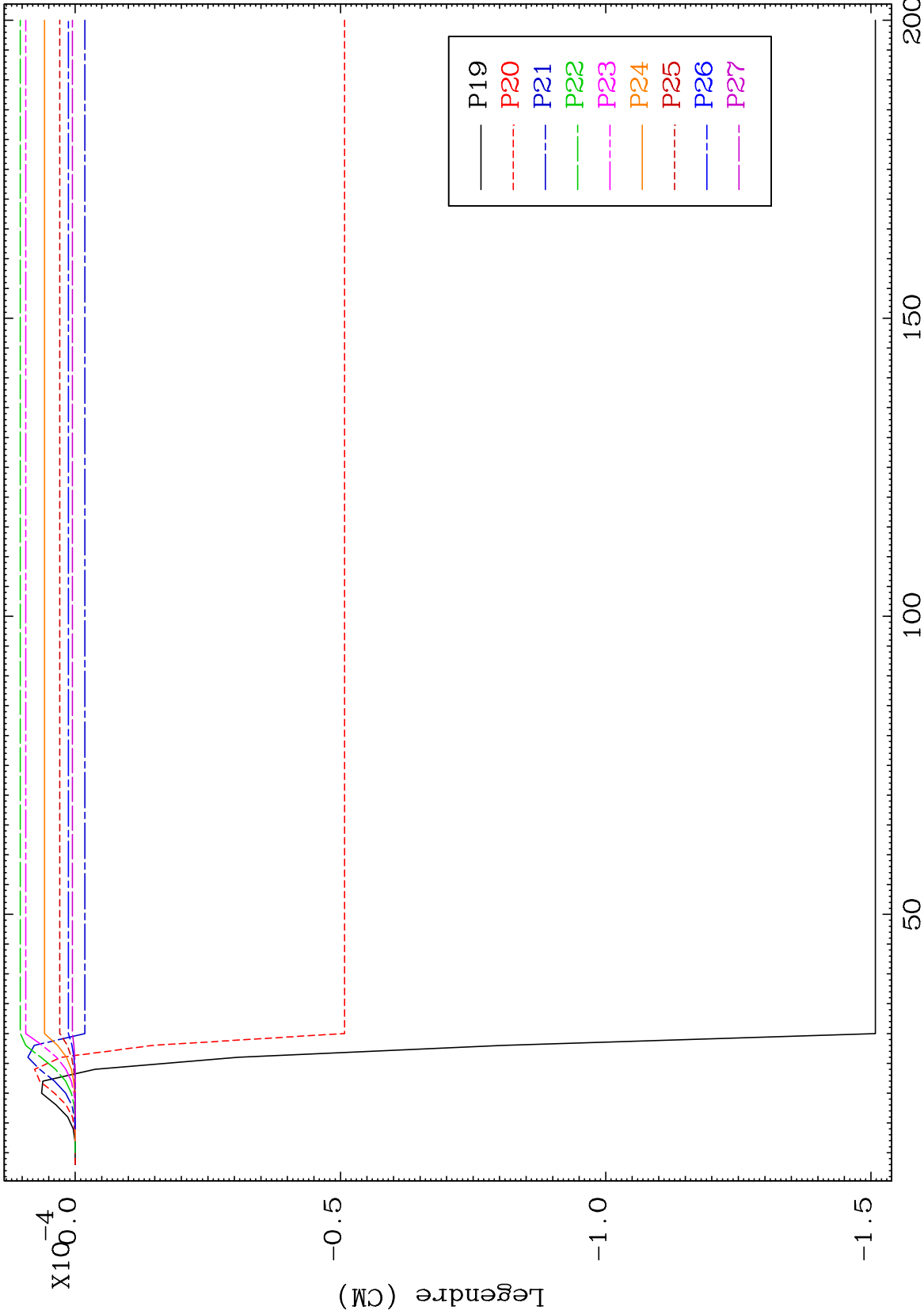


48 52-Te-115

MAT 5210

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

52-Te-115



49

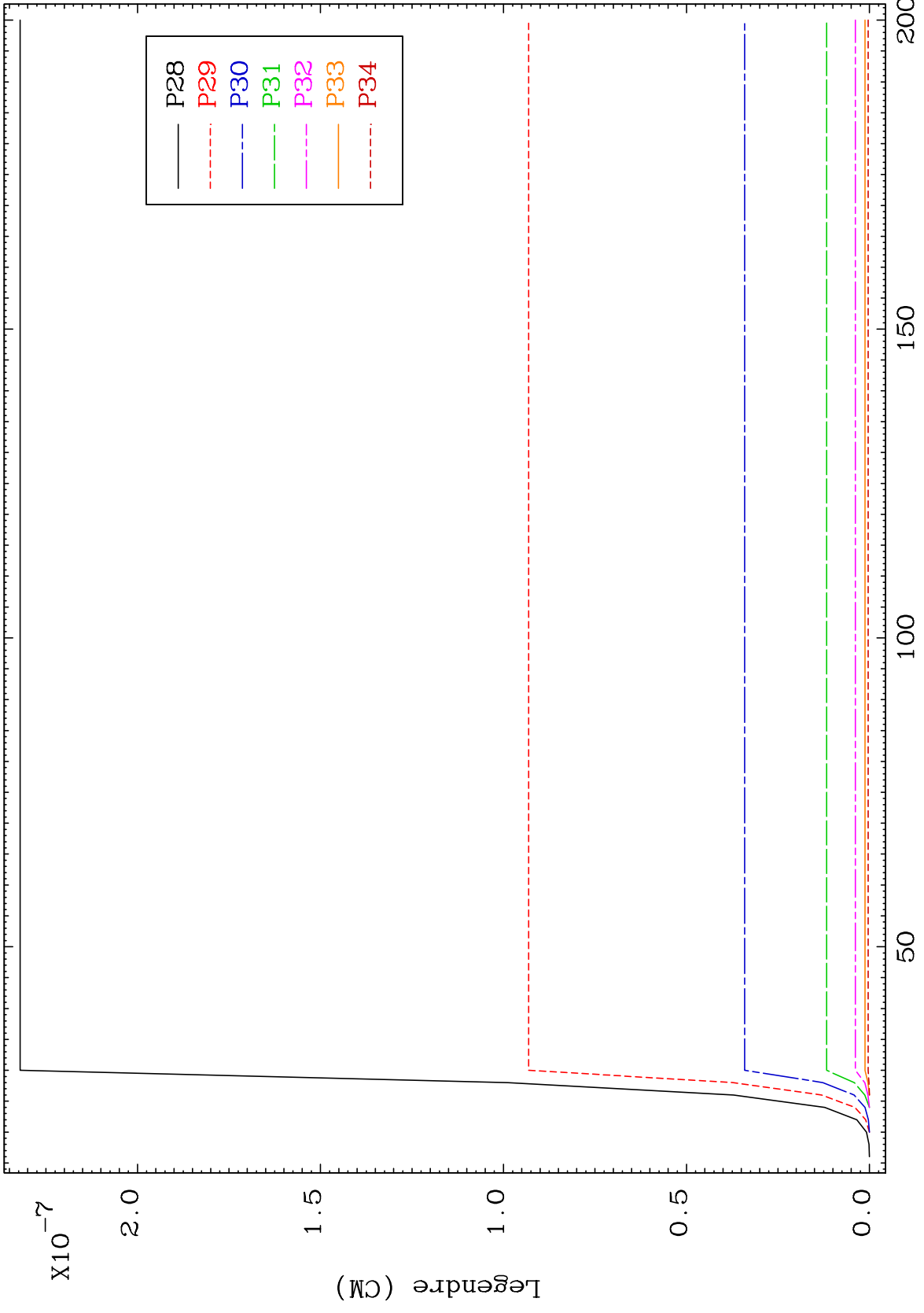
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



50

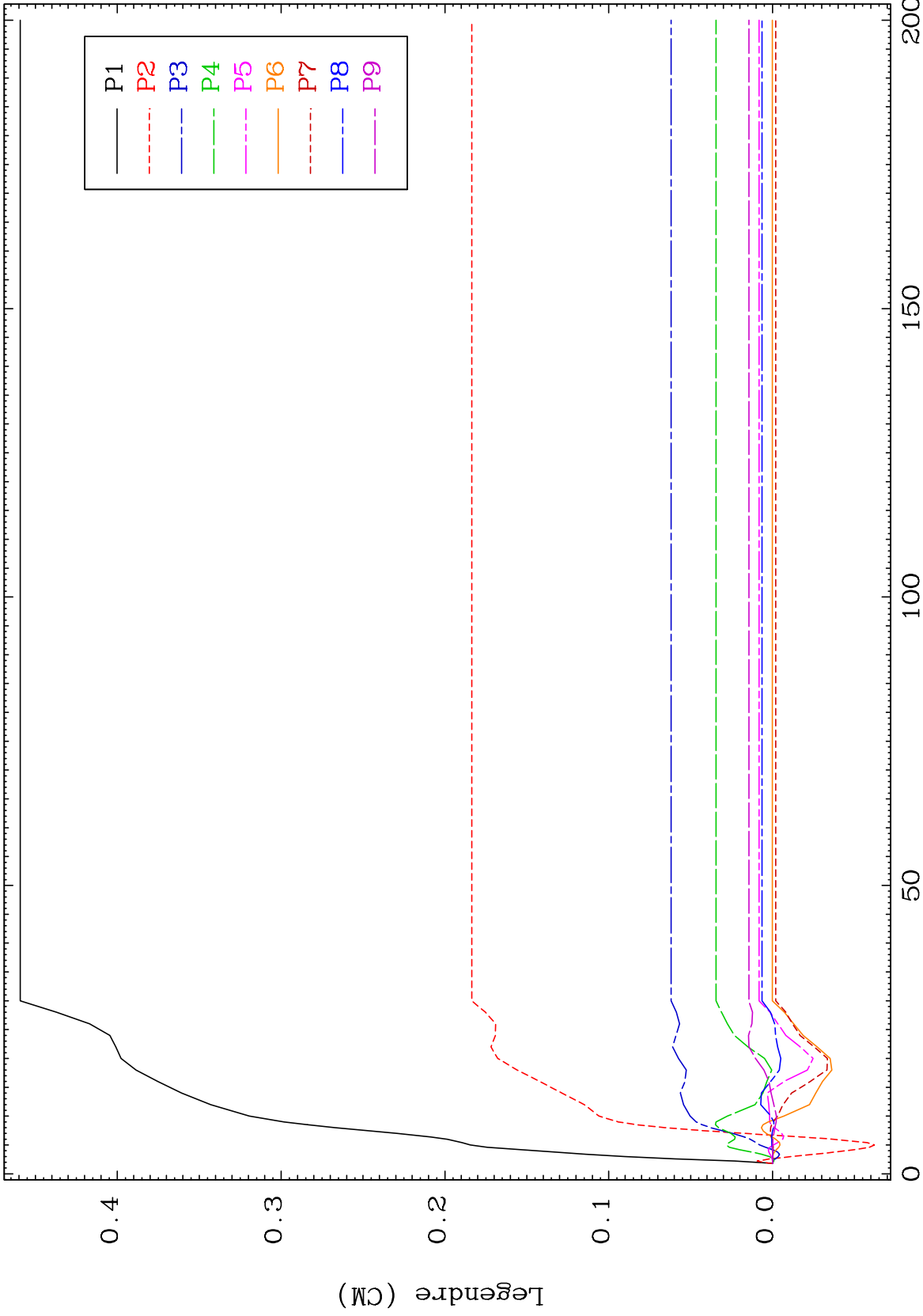
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



51

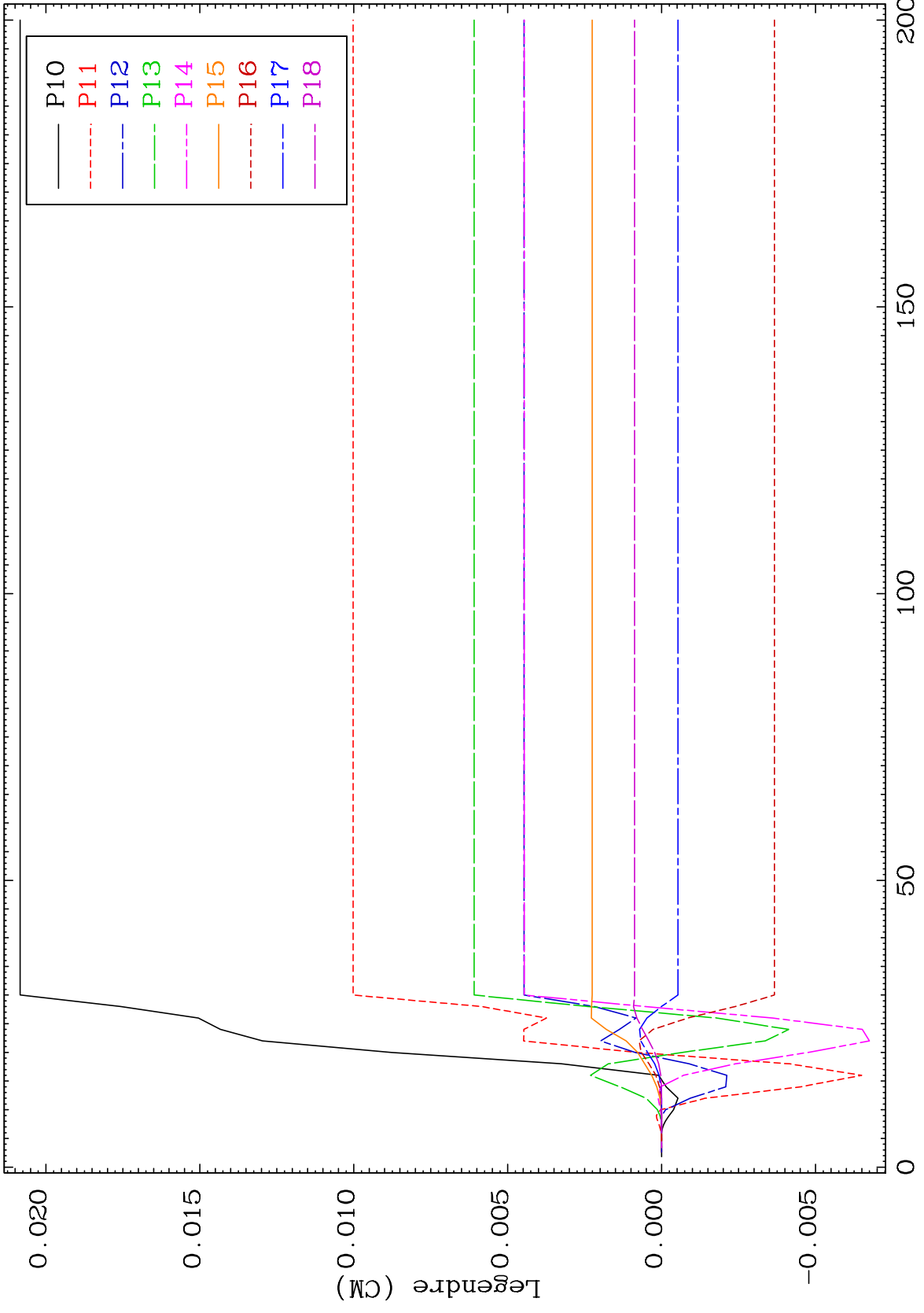
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



52

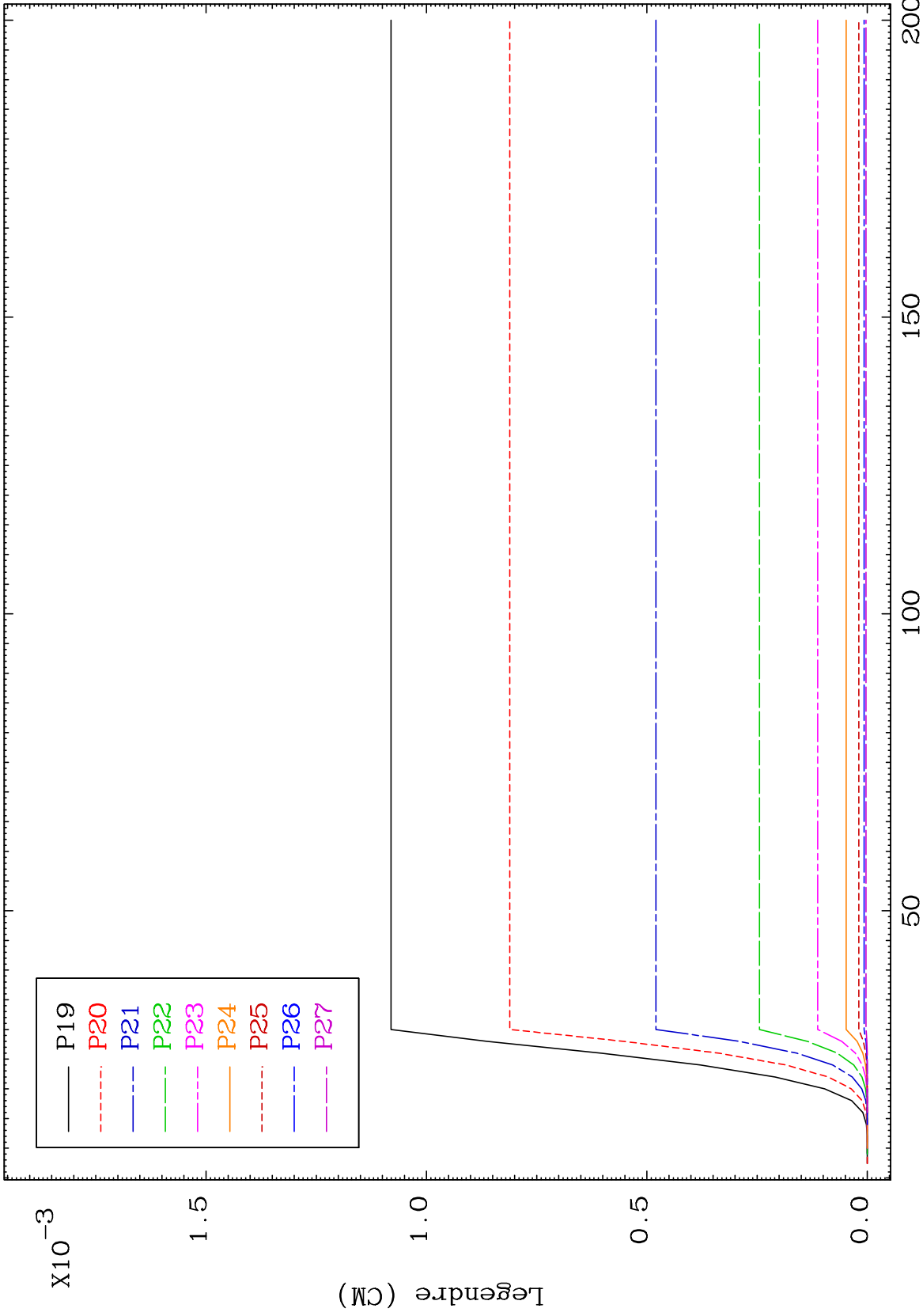
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



53

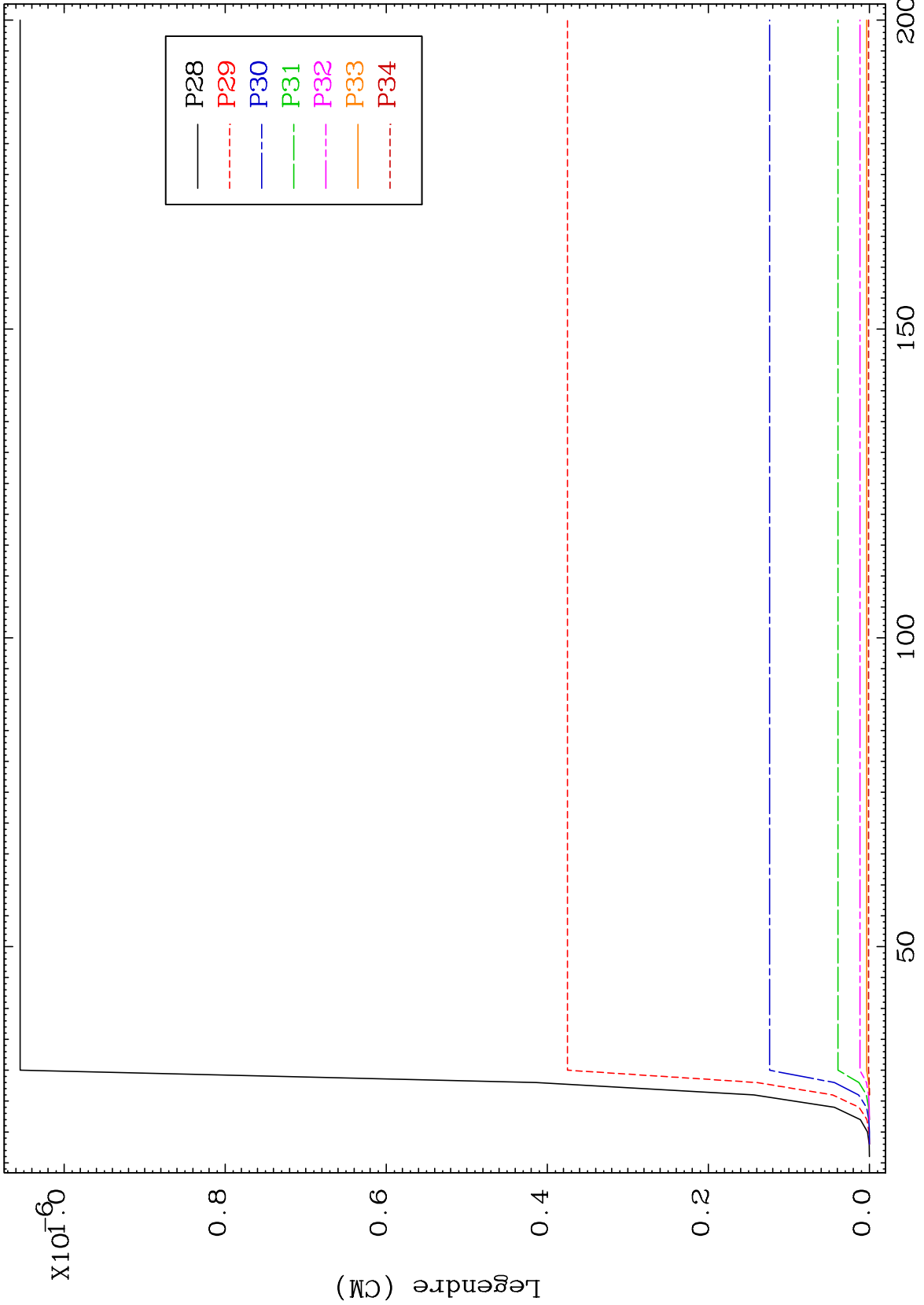
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



54

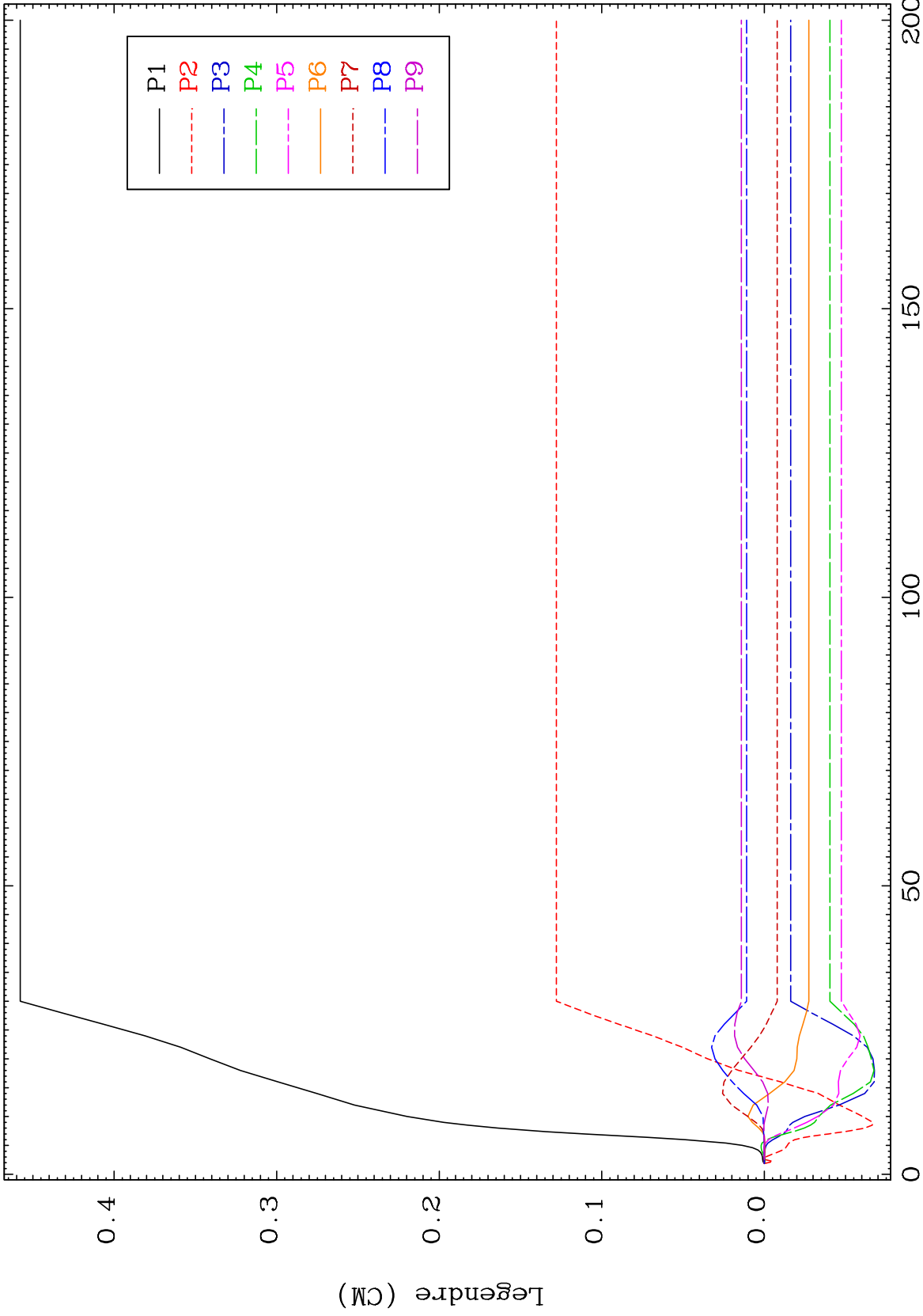
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



55

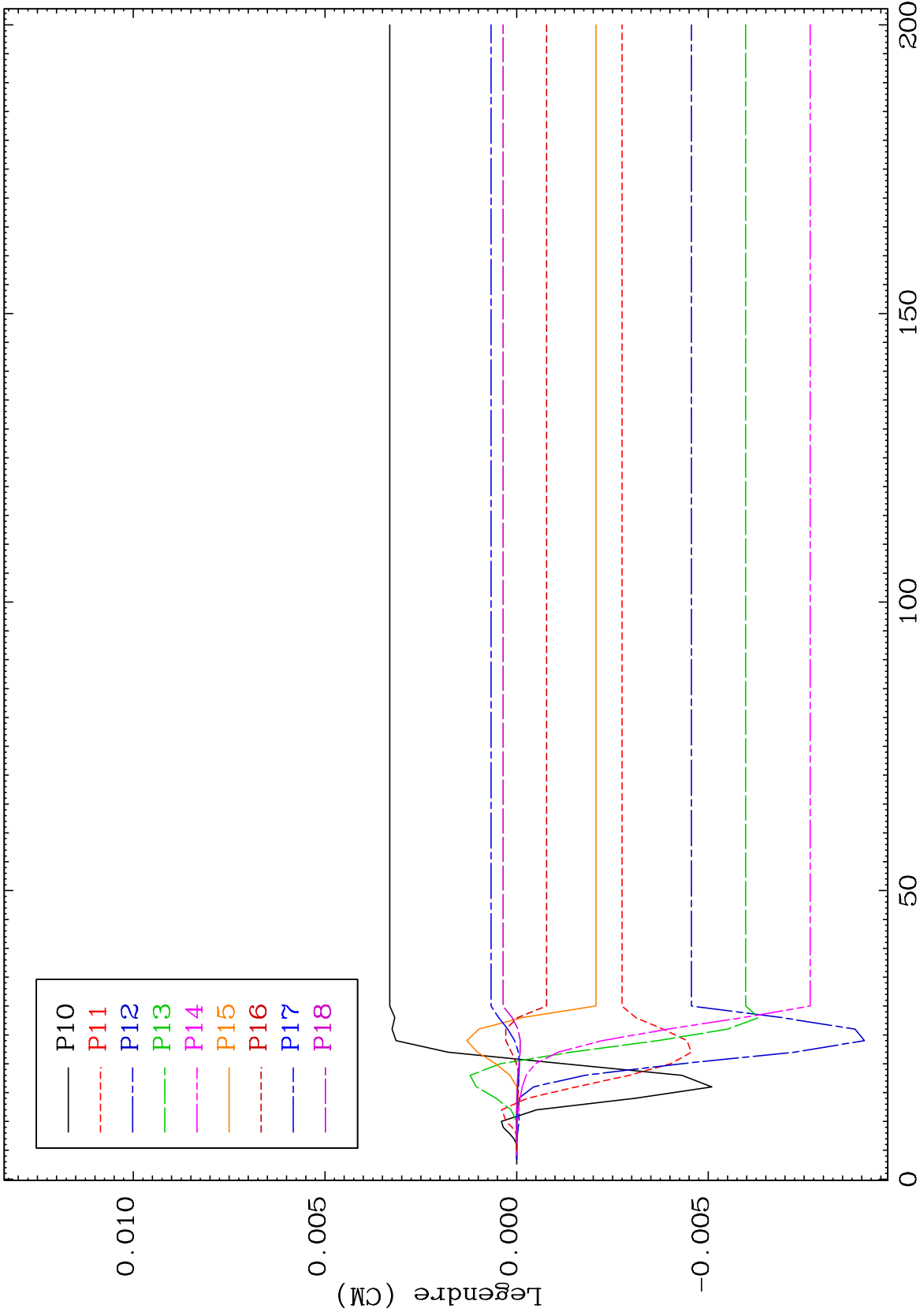
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



56

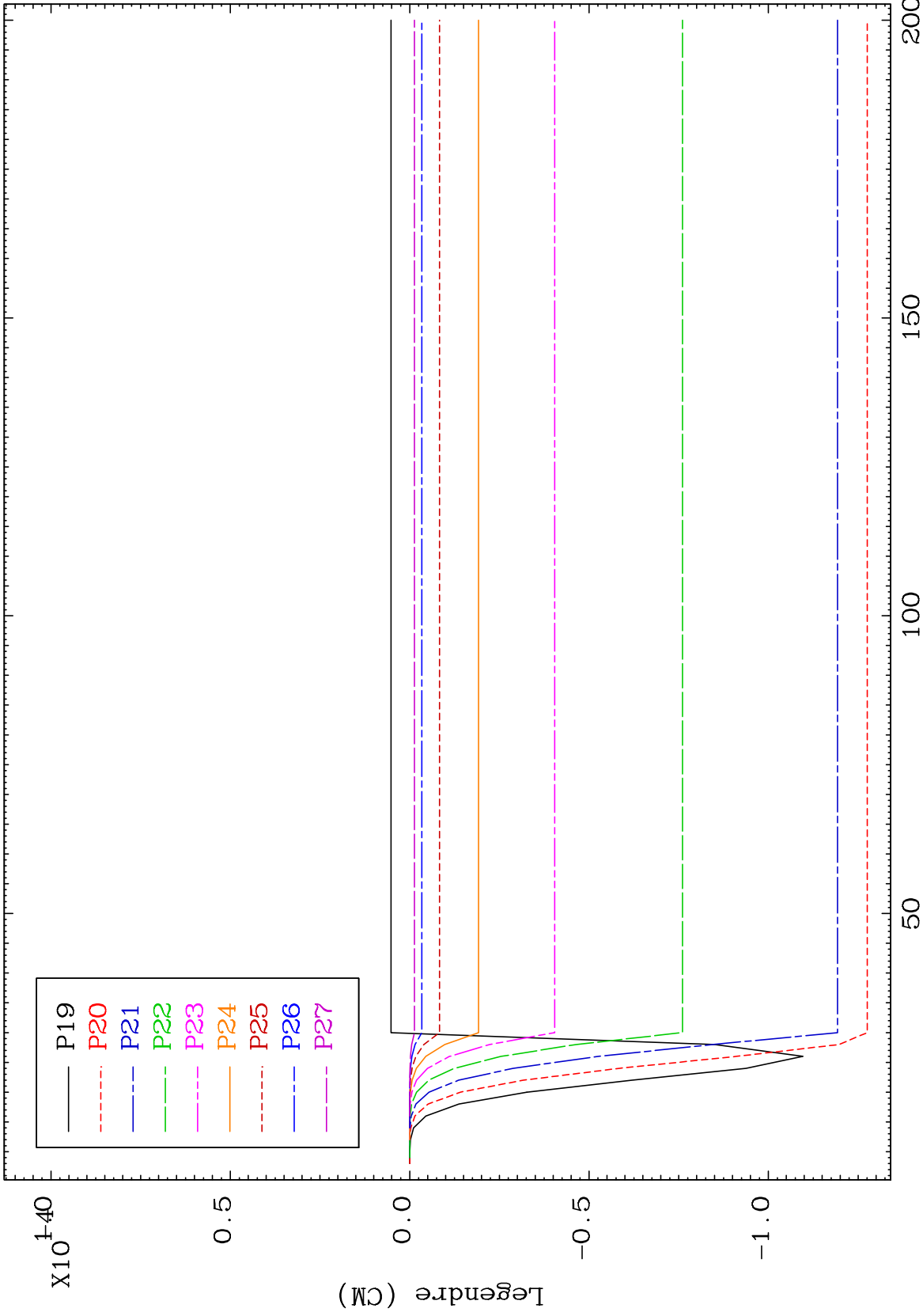
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



57

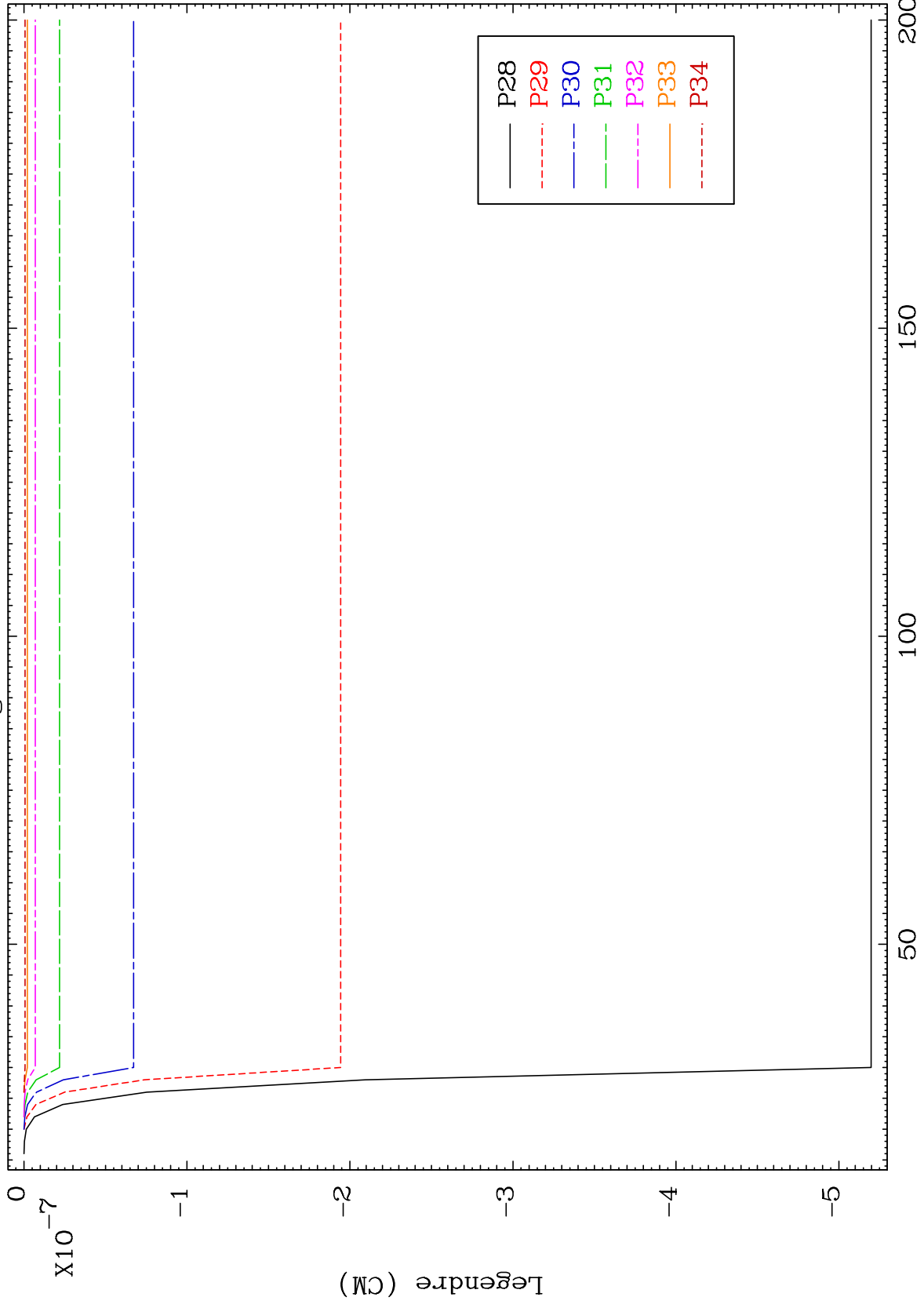
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115

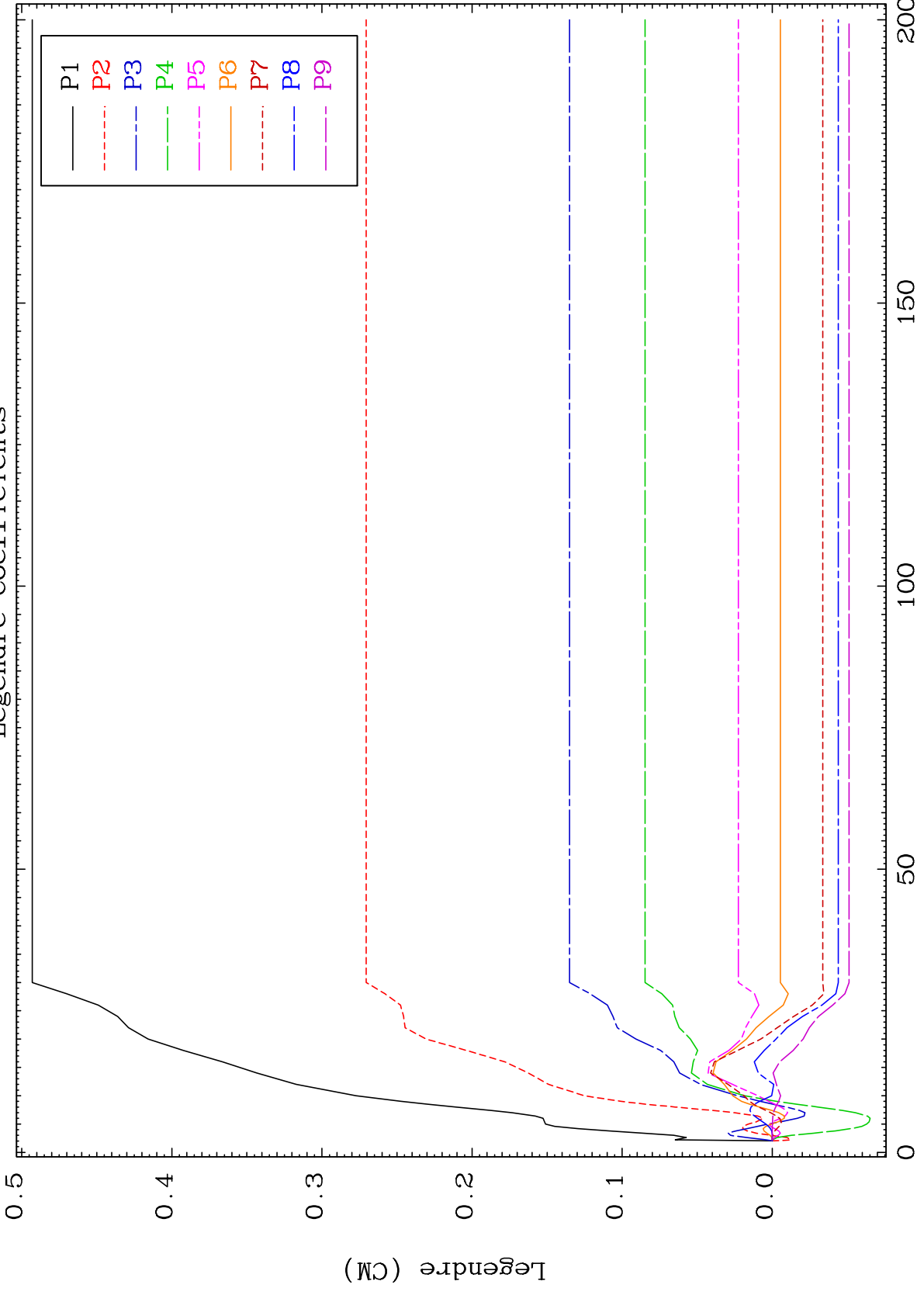


58

52-Te-115

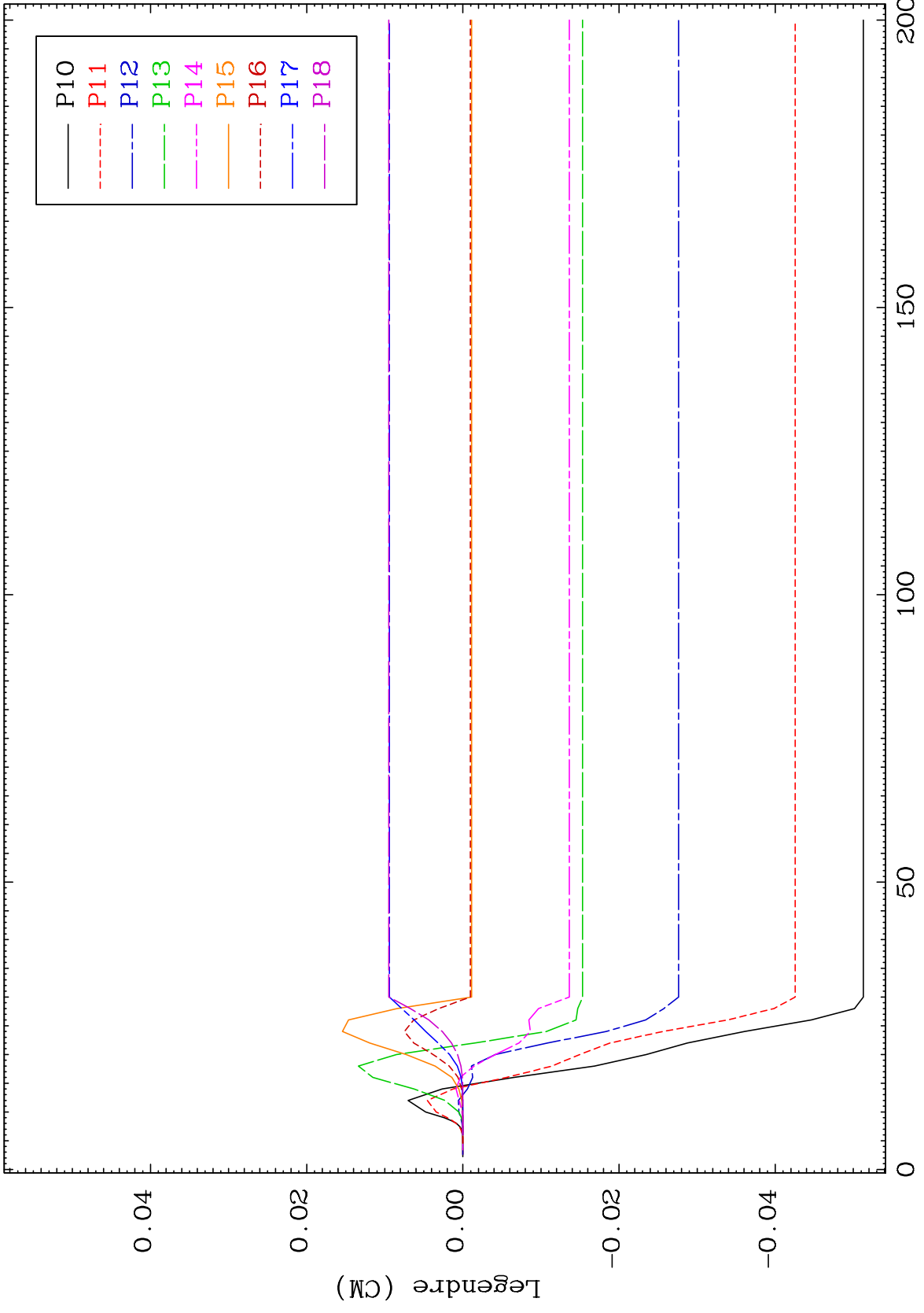
200

MAT 5210 MT= 61 (n,n') Level Legendre Coefficients 52-Te-115



59 52-Te-115

MAT 5210 MT= 61 (n,n') Level Legendre Coefficients 52-Te-115

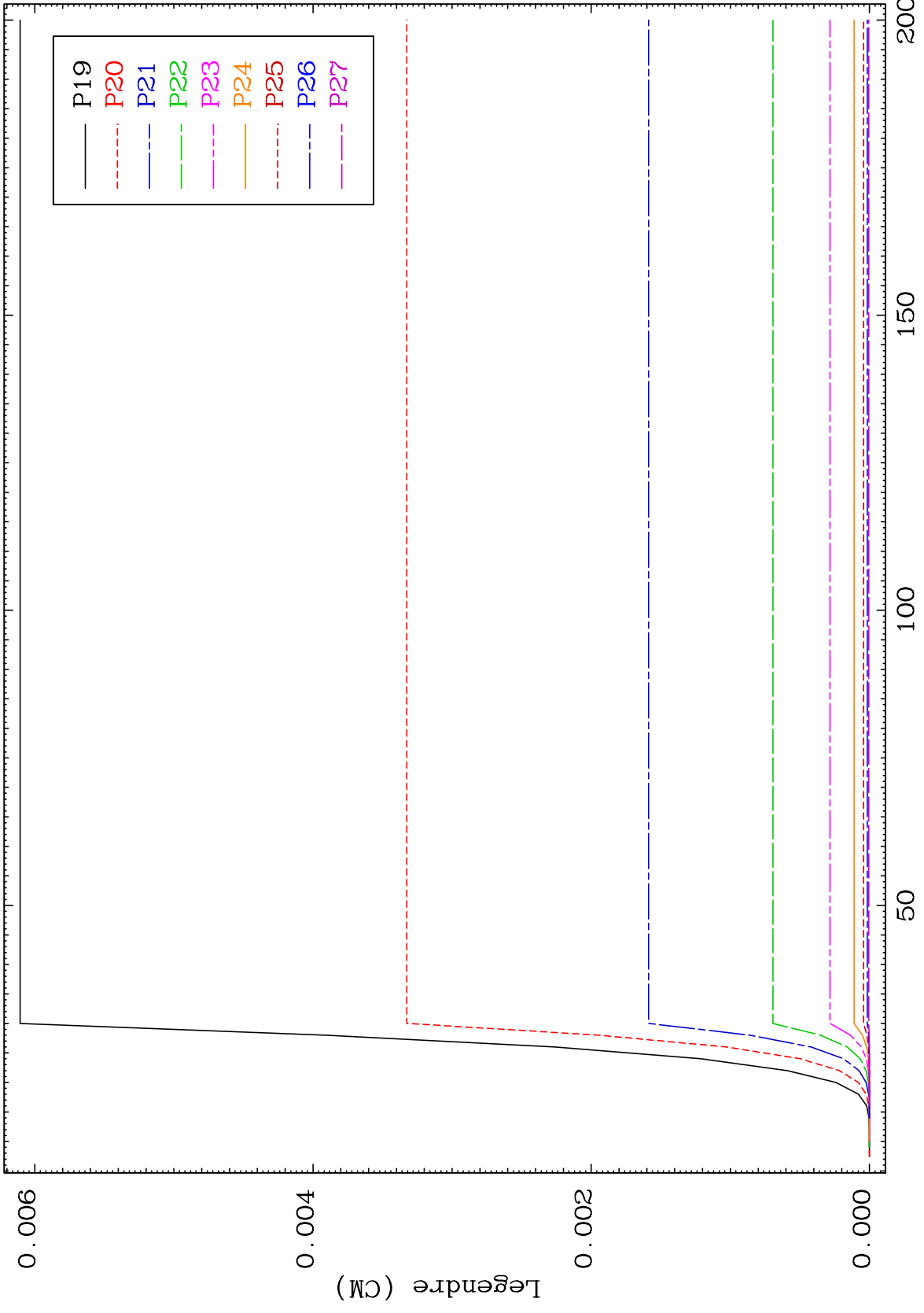


60 50 100 150 200 Incident Energy (MeV) 52-Te-115

MAT 5210

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

52-Te-115



61

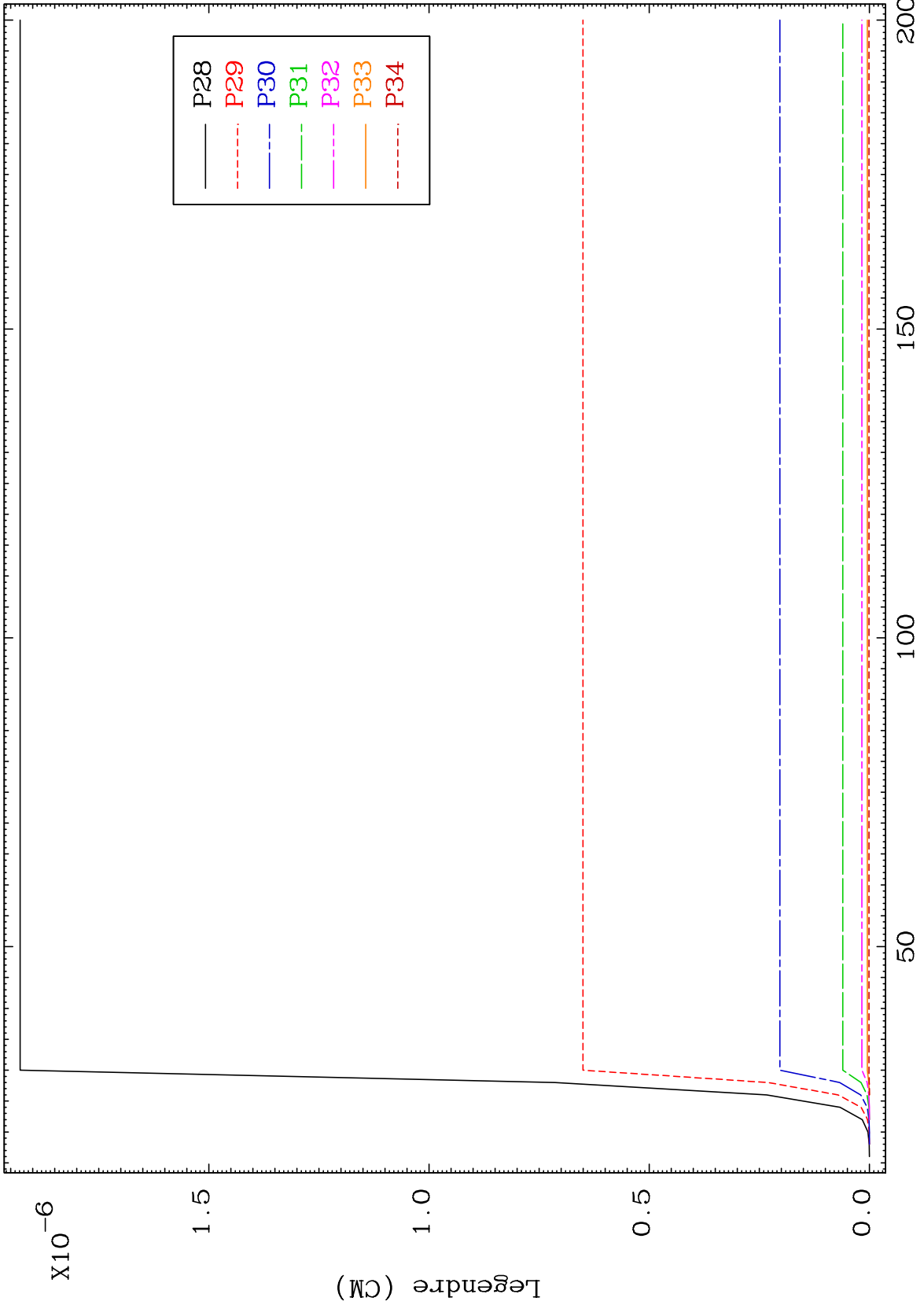
Incident Energy (MeV)

52-Te-115

MAT 5210

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

52-Te-115



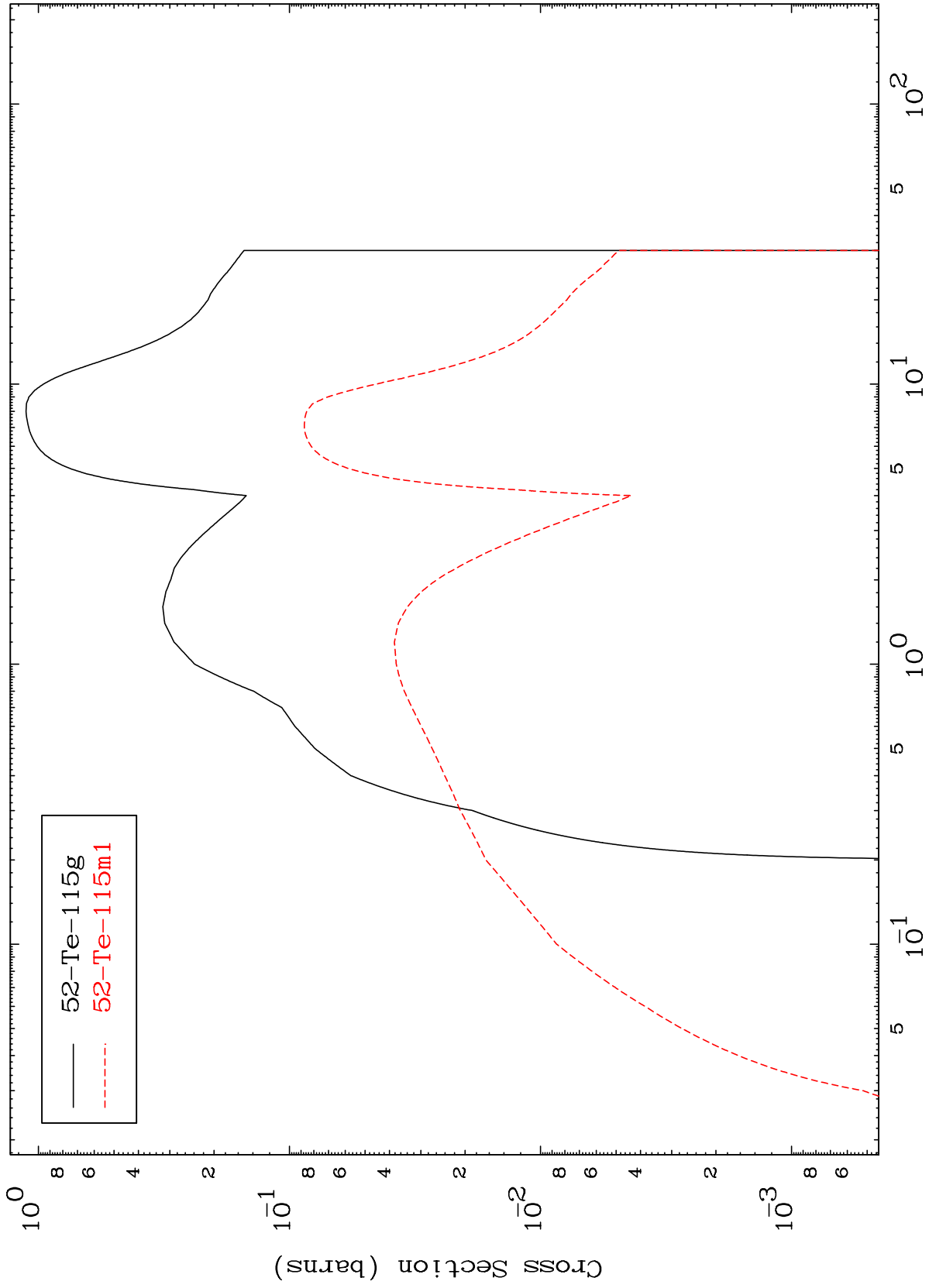
62

52-Te-115

MAT 5210

Inelastic
Radionuclide Production Cross Section

52-Te-115



63

Incident Energy (MeV)

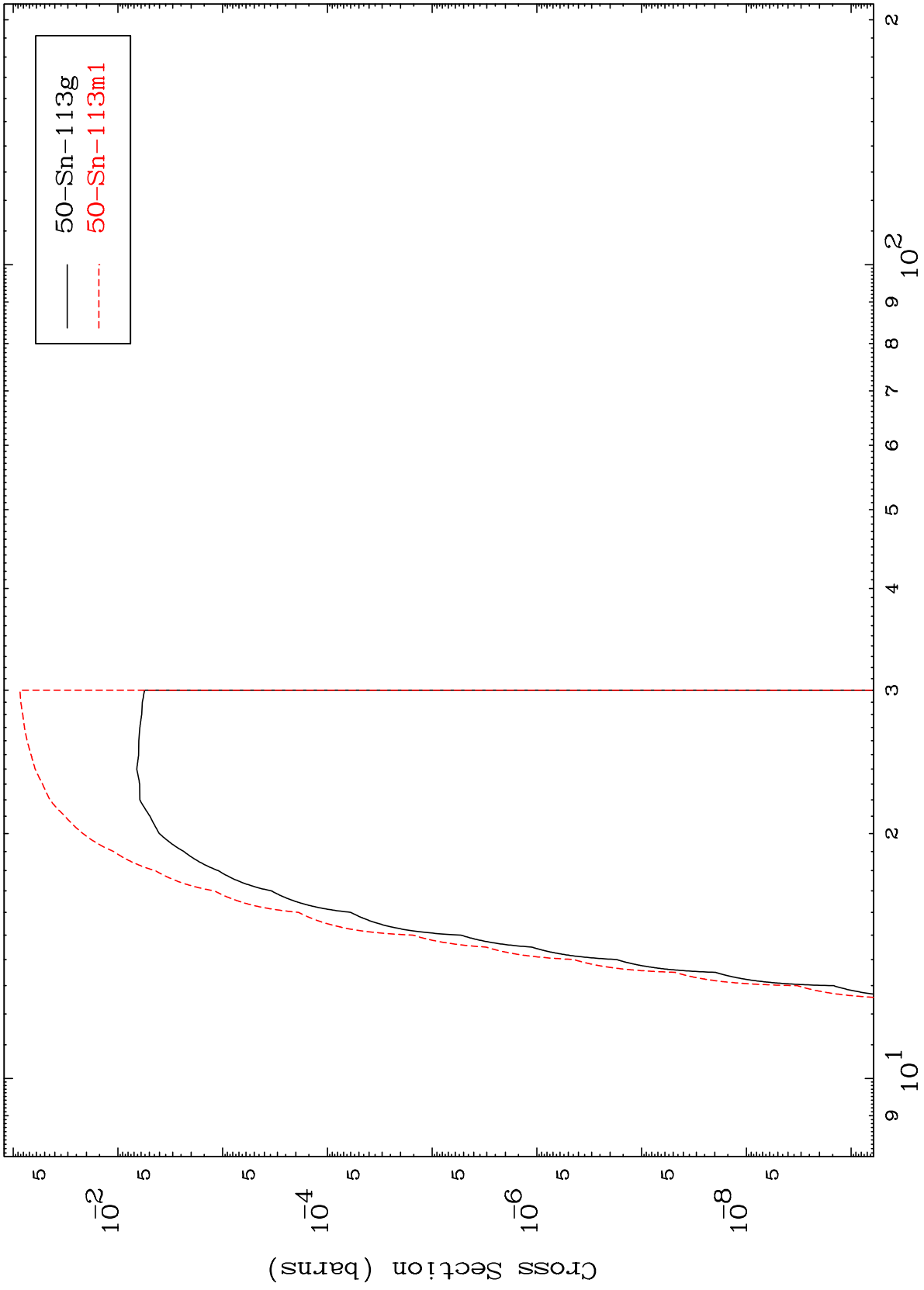
52-Te-115

MAT 5210

(n,2n) p

⁵²Te-115

Radionuclide Production Cross Section



64

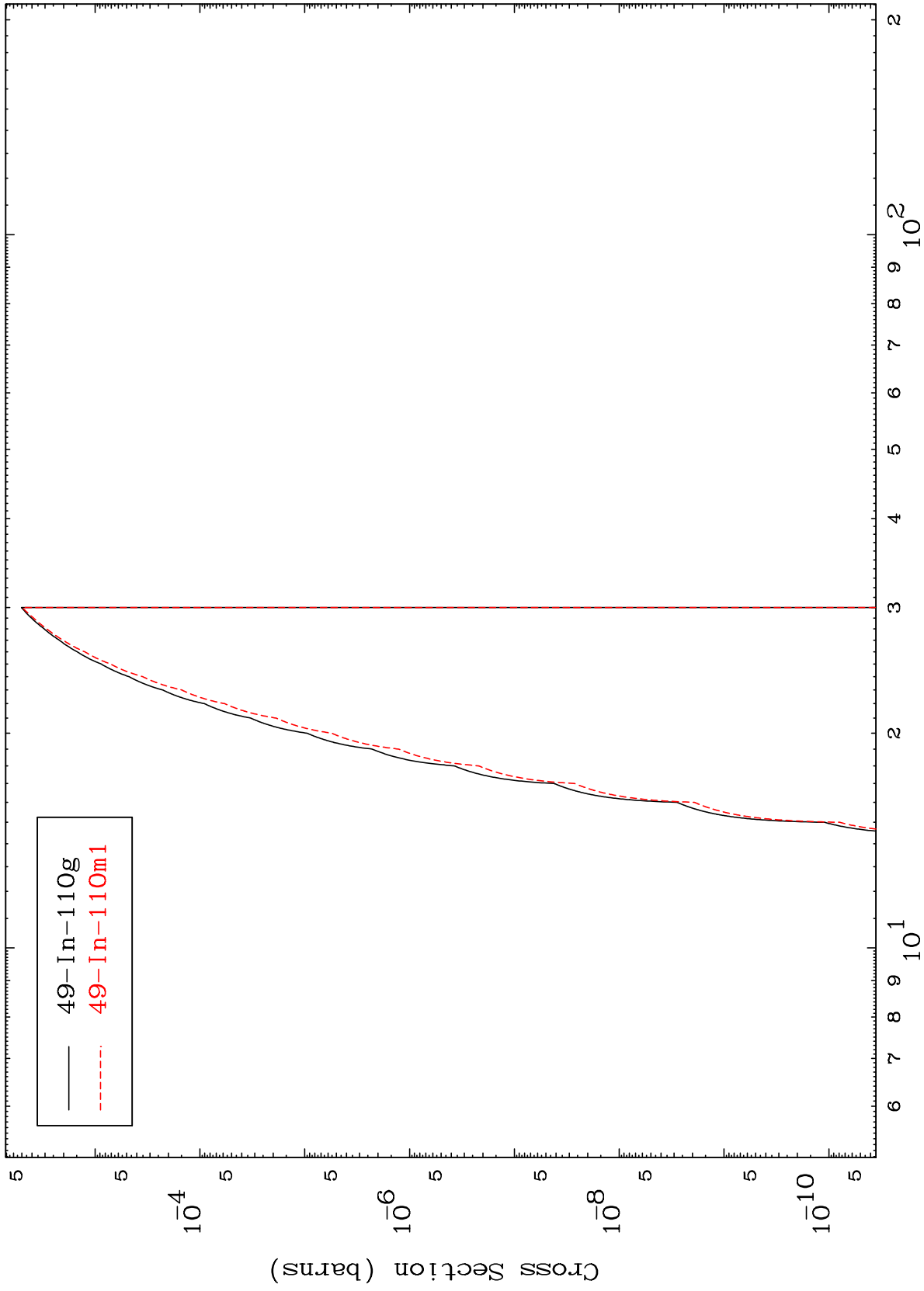
Incident Energy (MeV)

⁵²Te-115

MAT 5210

52-Te-115

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



65

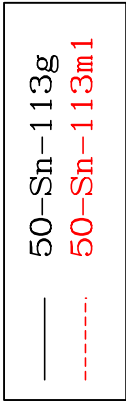
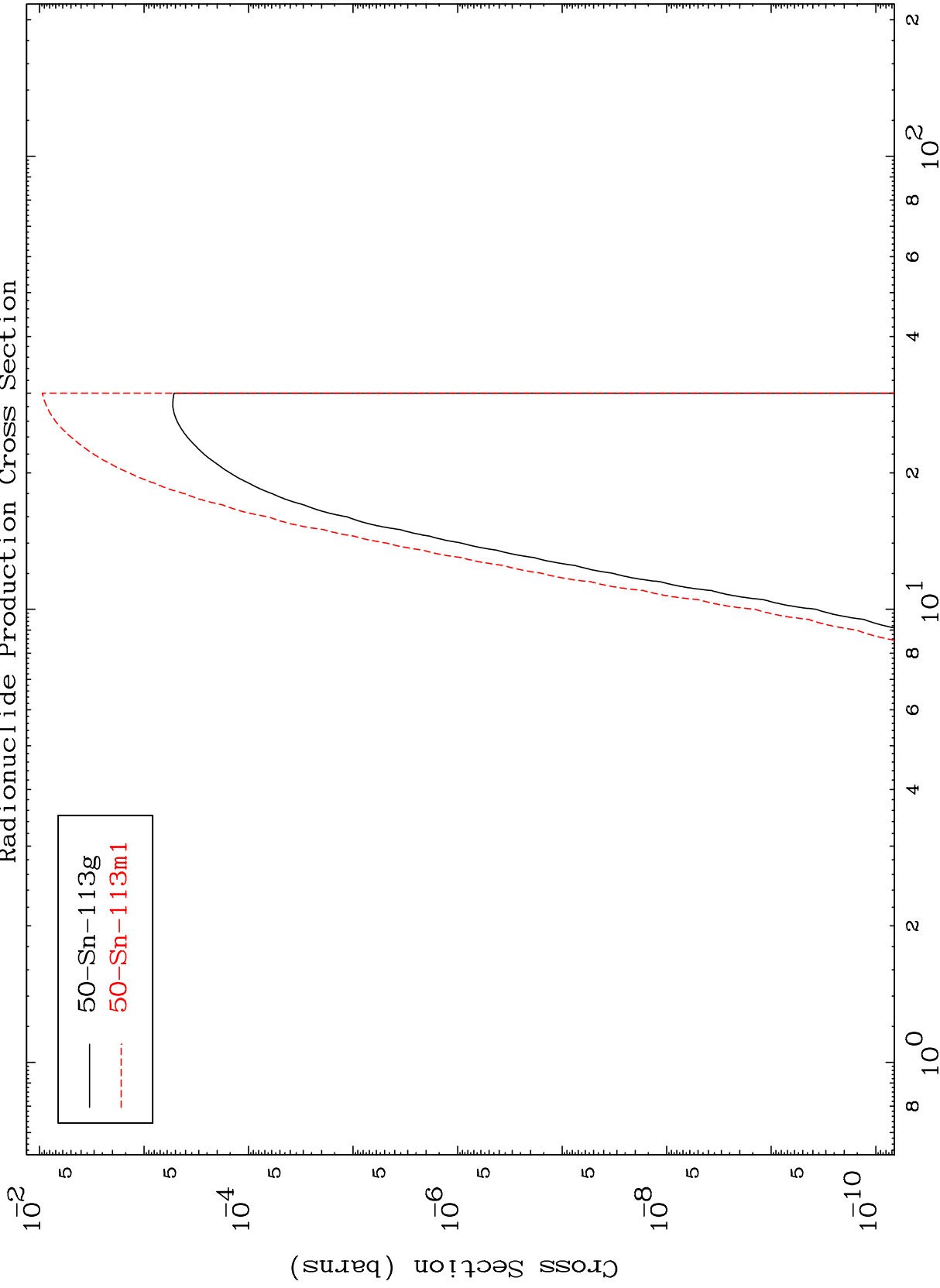
52-Te-115

MAT 5210

(n,He-3)

52-Te-115

Radionuclide Production Cross Section



66

Incident Energy (MeV)

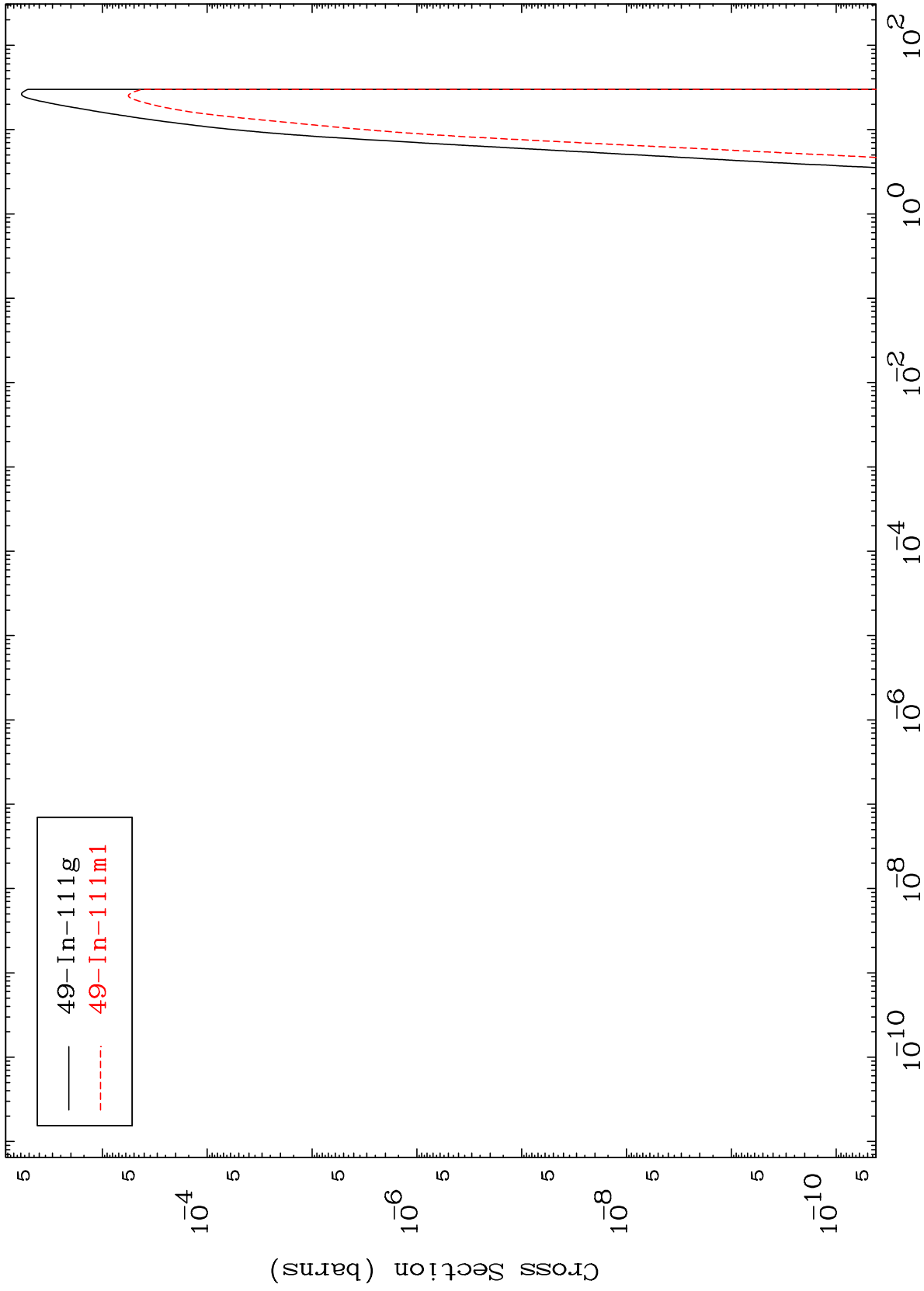
52-Te-115

MAT 5210

(n,p) α

52-Te-115

Radionuclide Production Cross Section



67

Incident Energy (MeV)

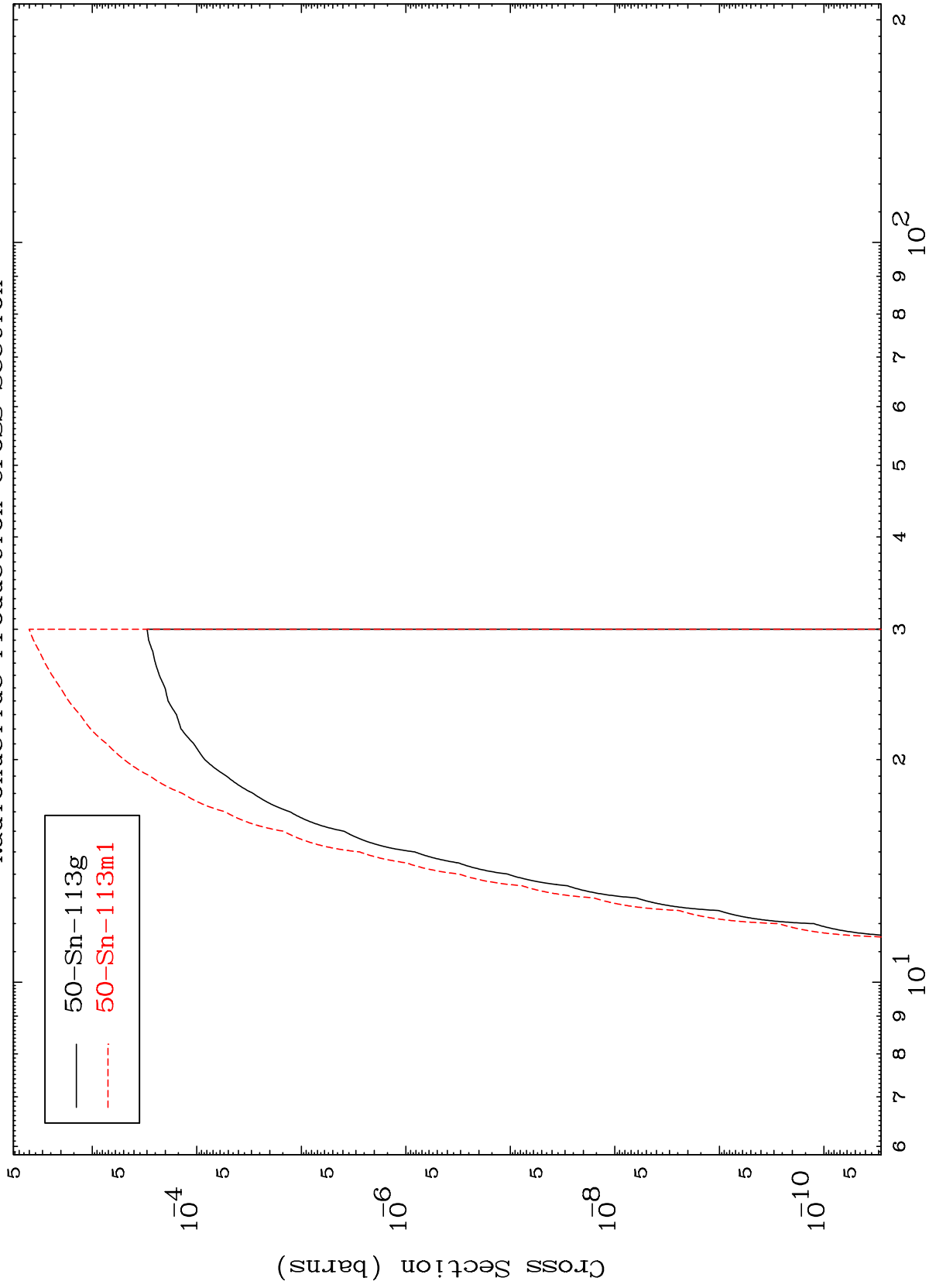
52-Te-115

MAT 5210

(n,p) d

52-Te-115

Radionuclide Production Cross Section



68

Incident Energy (MeV)

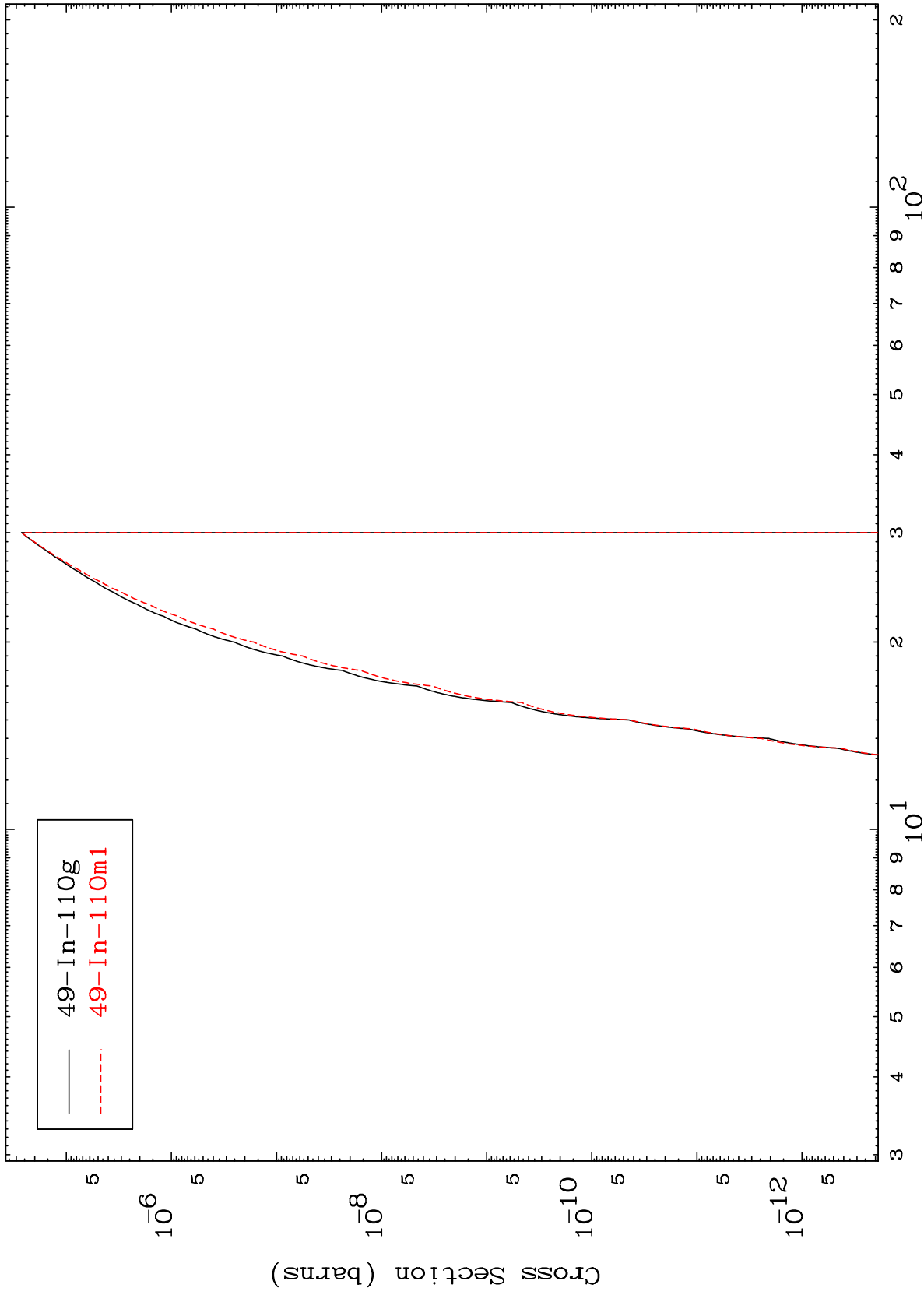
52-Te-115

MAT 5210

(n,d) α

52-Te-115

Radionuclide Production Cross Section



69

Incident Energy (MeV)

52-Te-115