

Program EVALPLOT
(Version 2021-1)

by

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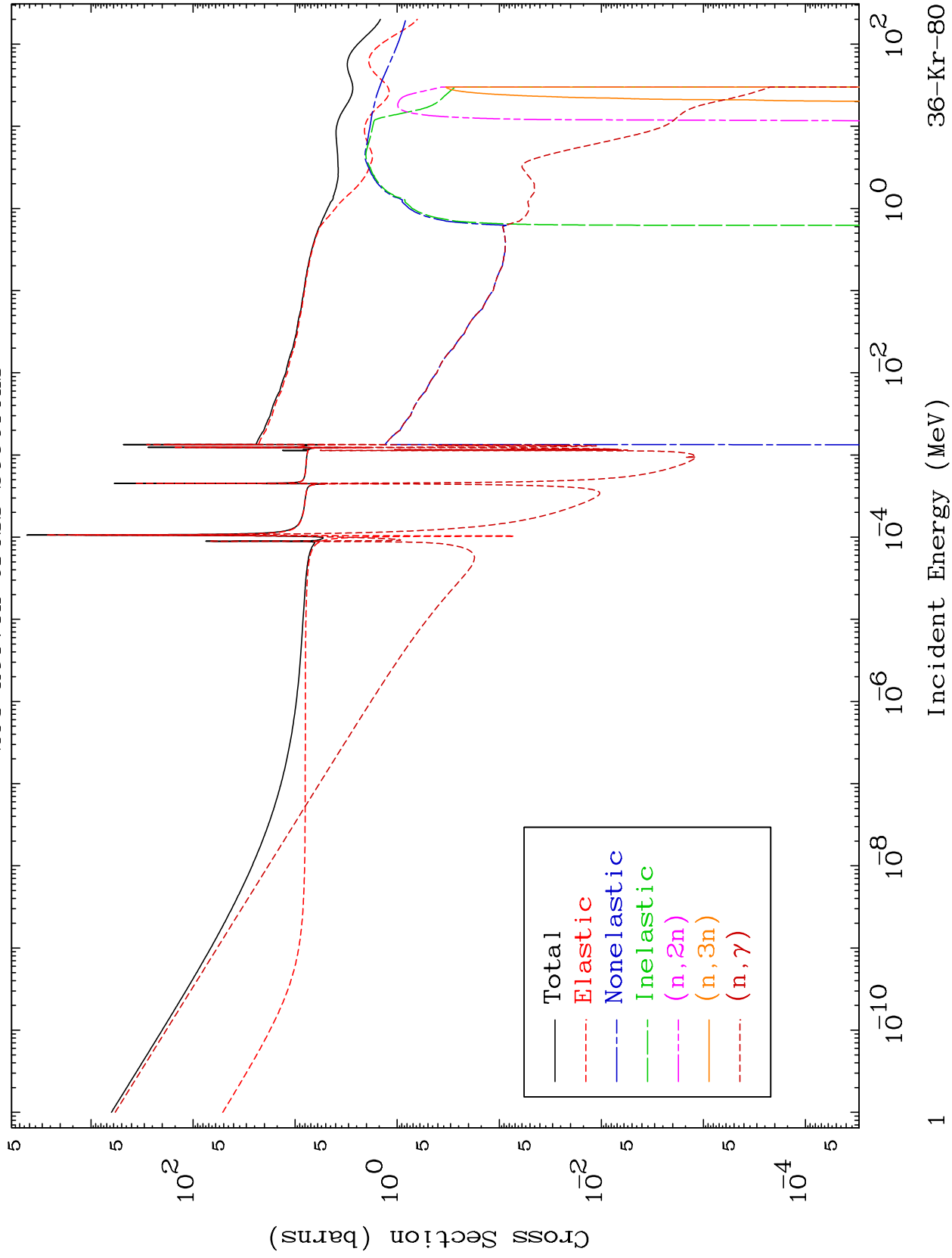
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3631

Neutron Major
293 Kelvin Cross Sections

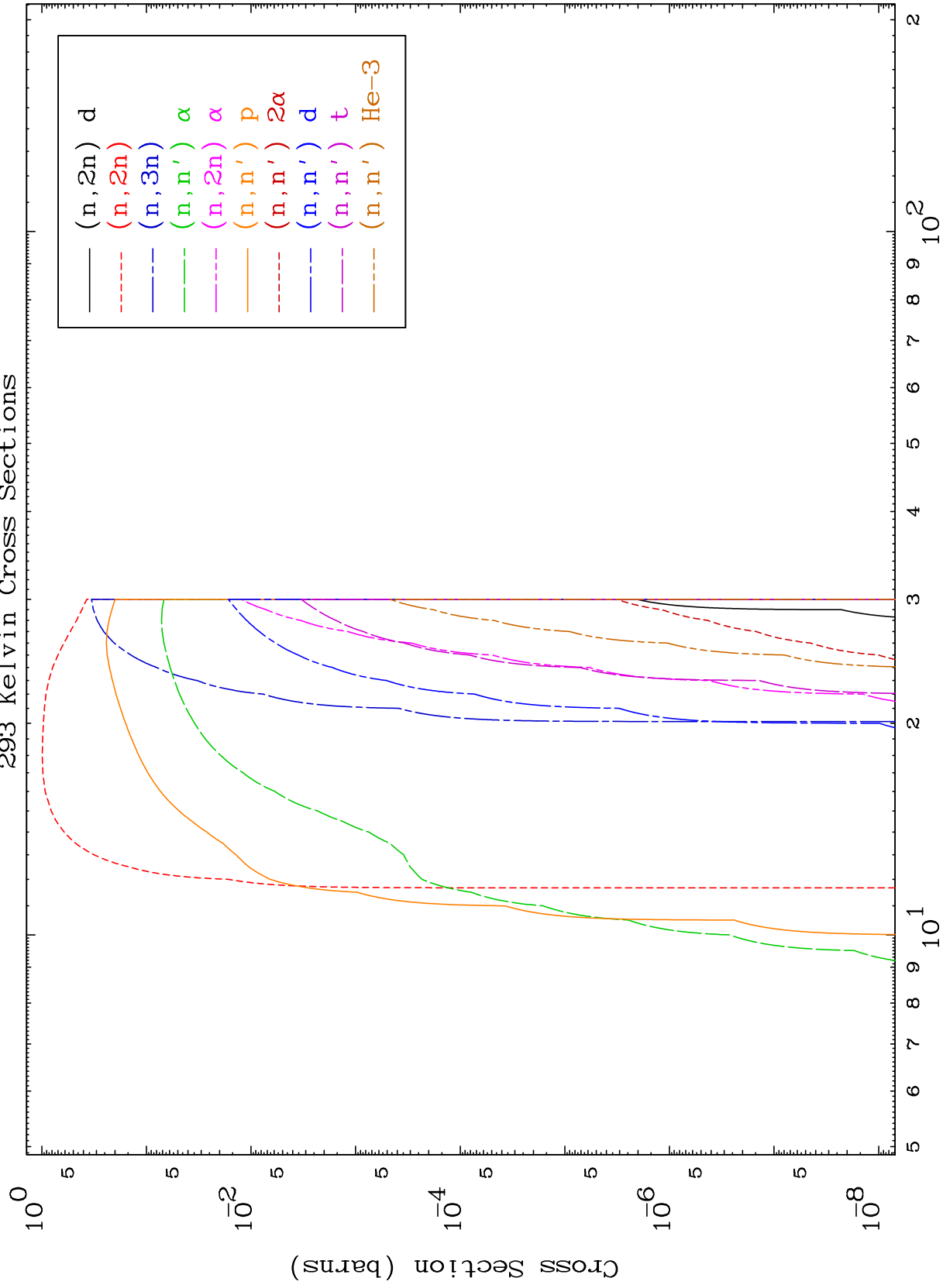
36-Kr-80



MAT 3631

Neutron Absorption
293 Kelvin Cross Sections

36-Kr-80



2

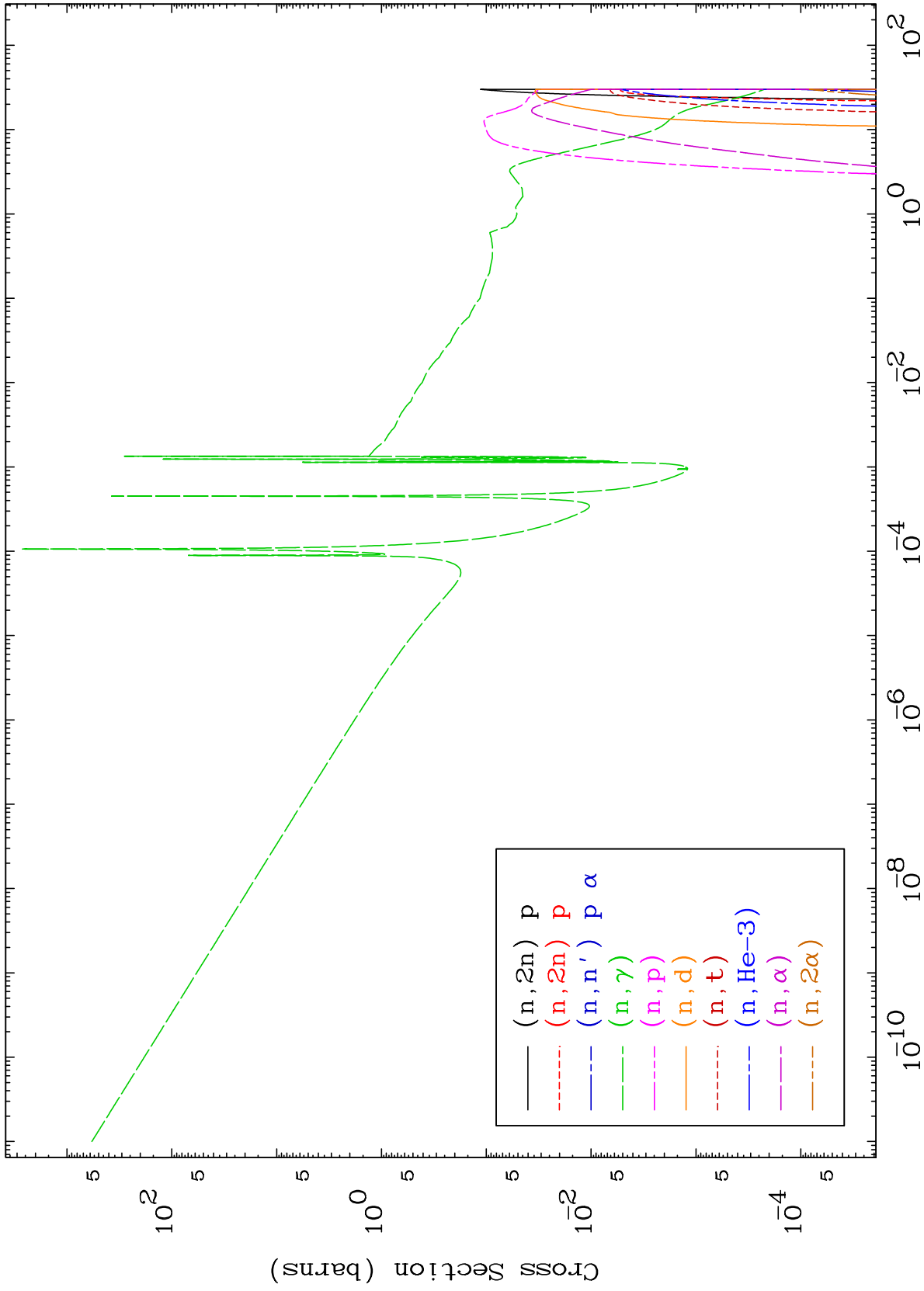
Incident Energy (MeV)

36-Kr-80

MAT 3631

Neutron Absorption
293 Kelvin Cross Sections

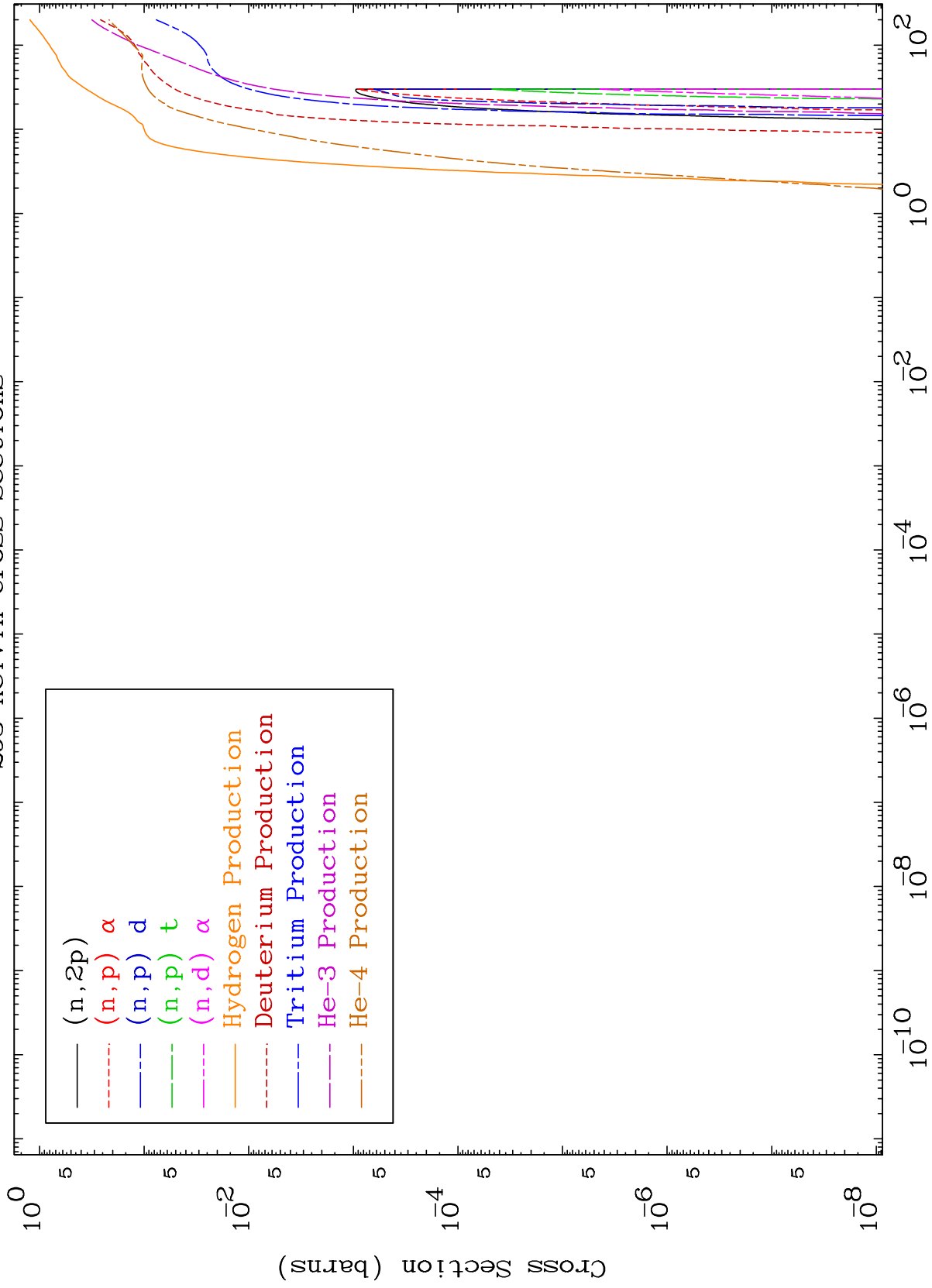
36-Kr-80



MAT 3631

Neutron Absorption
293 Kelvin Cross Sections

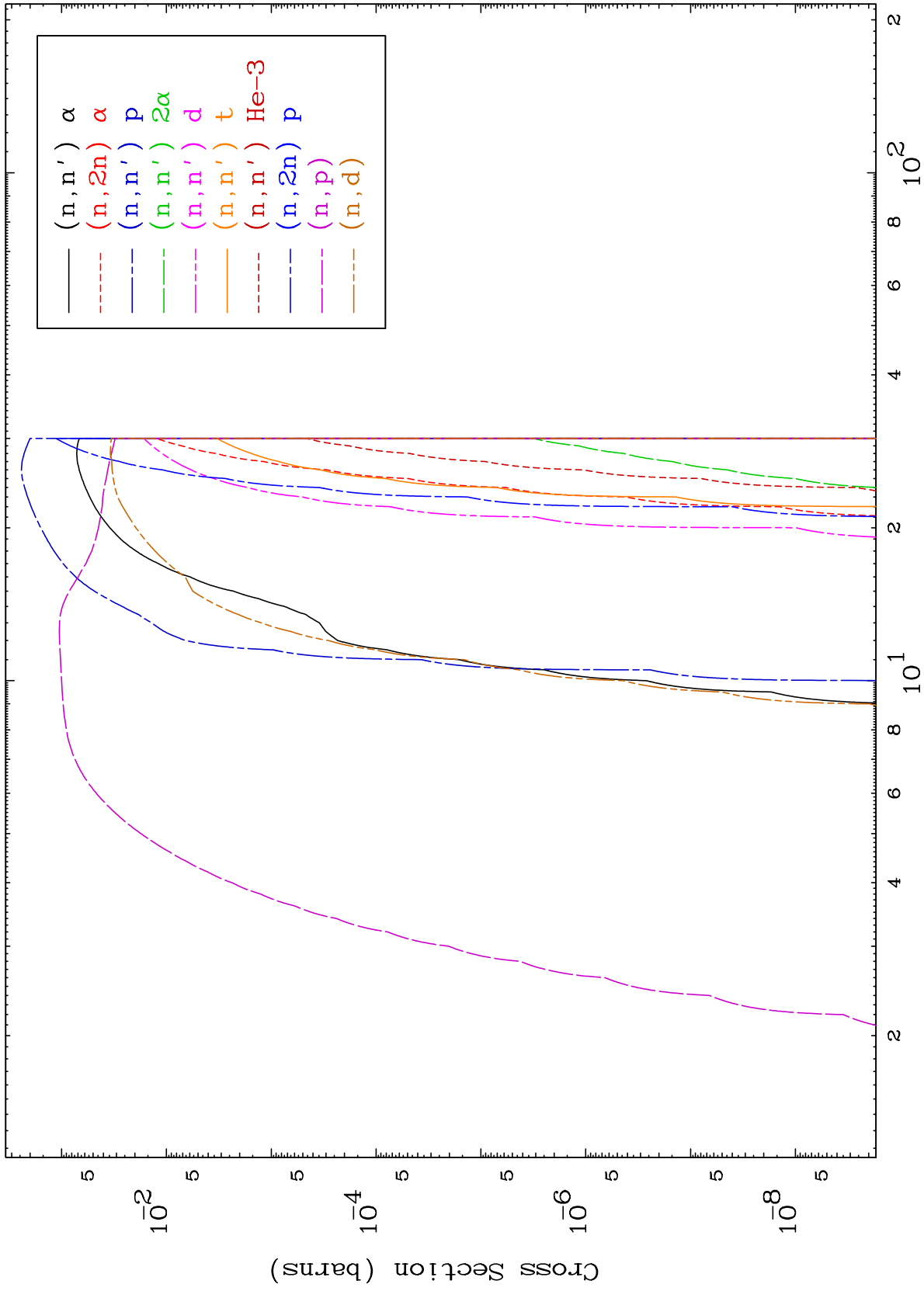
36-Kr-80



MAT 3631

Charged Particle
293 Kelvin Cross Sections

36-Kr-80



5

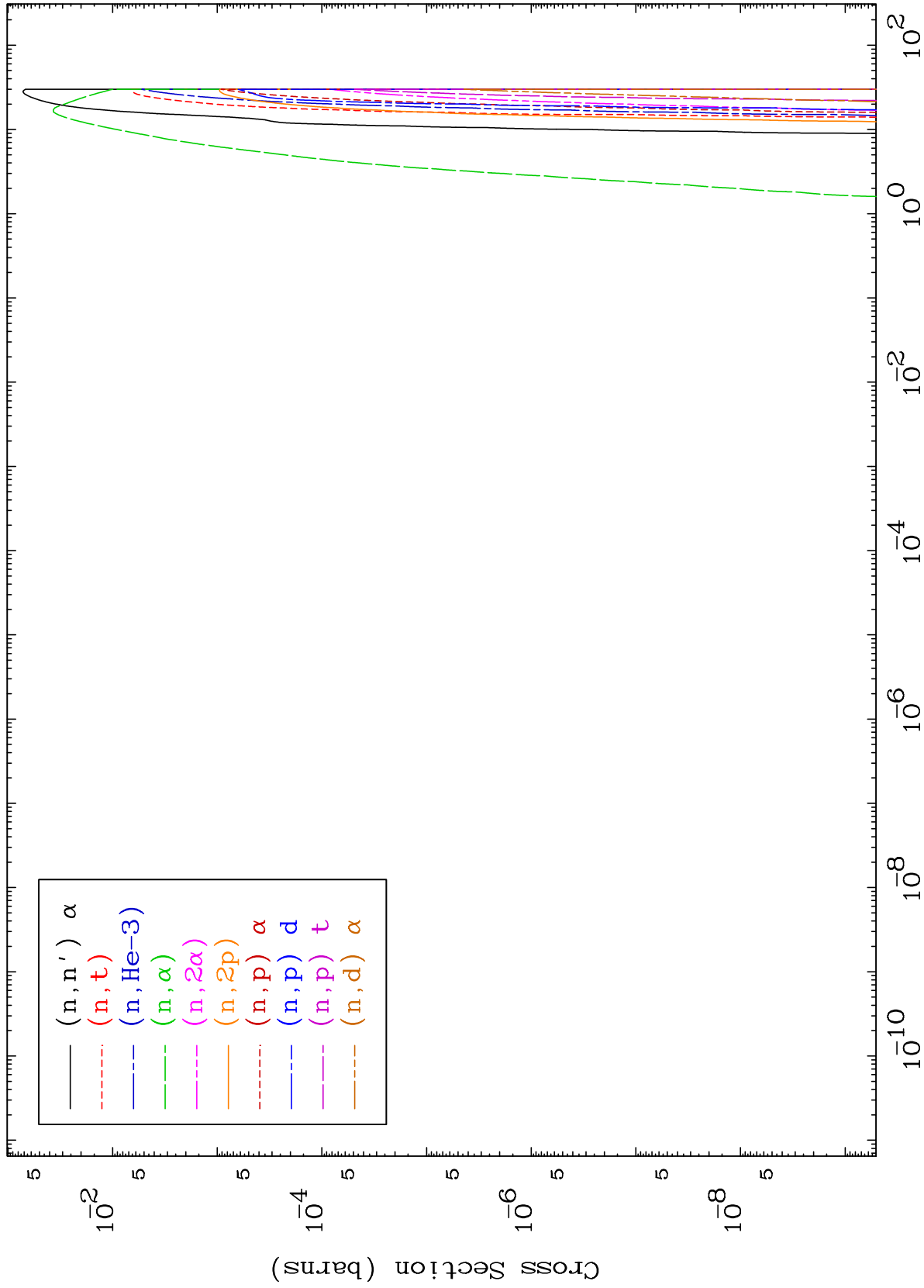
Incident Energy (MeV)

36-Kr-80

MAT 3631

Charged Particle
293 Kelvin Cross Sections

36-Kr-80



6

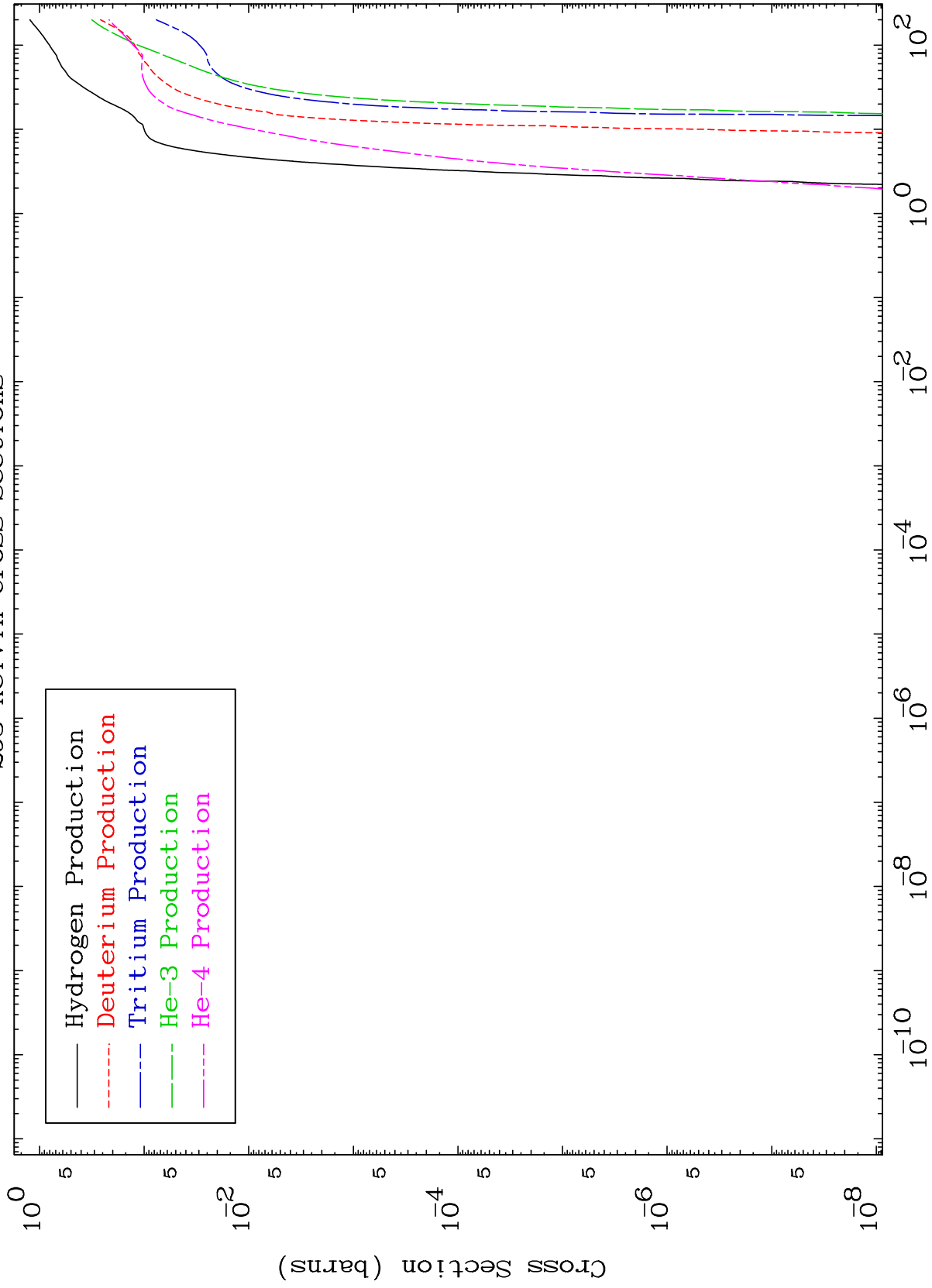
Incident Energy (MeV)

36-Kr-80

MAT 3631

Particle Production
293 Kelvin Cross Sections

36-Kr-80



7

Incident Energy (MeV)

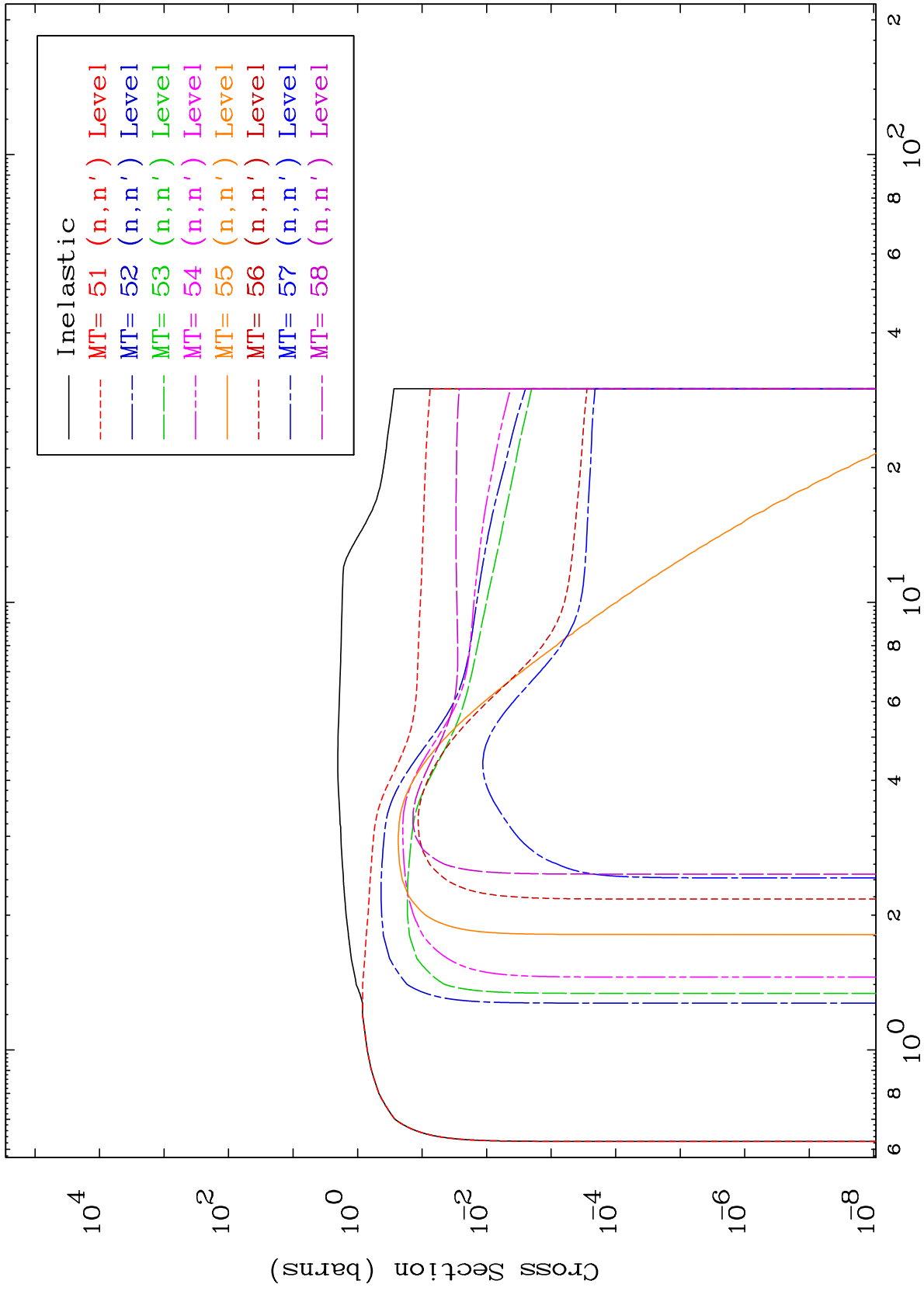
36-Kr-80

MAT 3631

(n,n') Levels

36-Kr-80

293 Kelvin Cross Sections



8

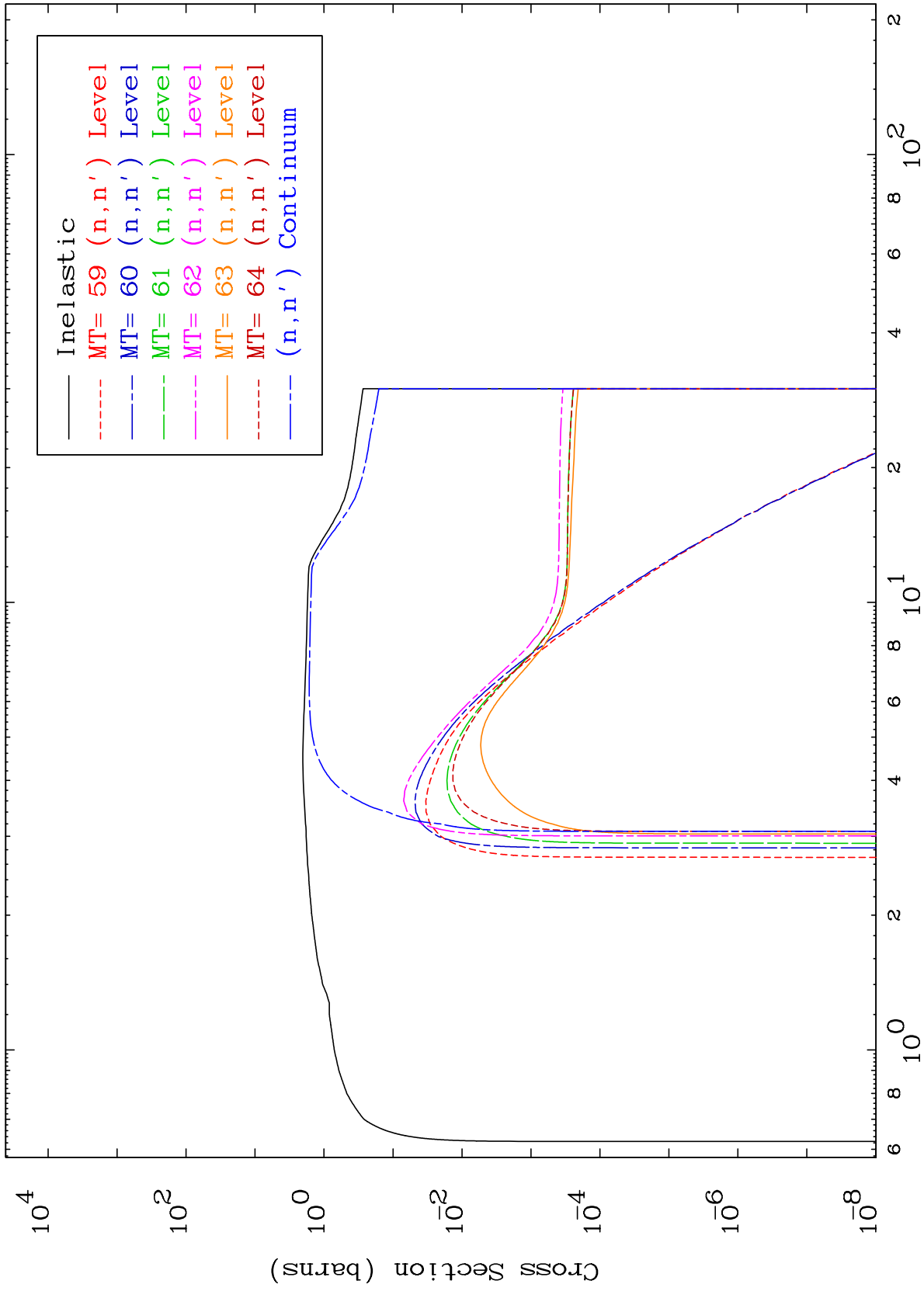
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,n') Levels
293 Kelvin Cross Sections

36-Kr-80



9

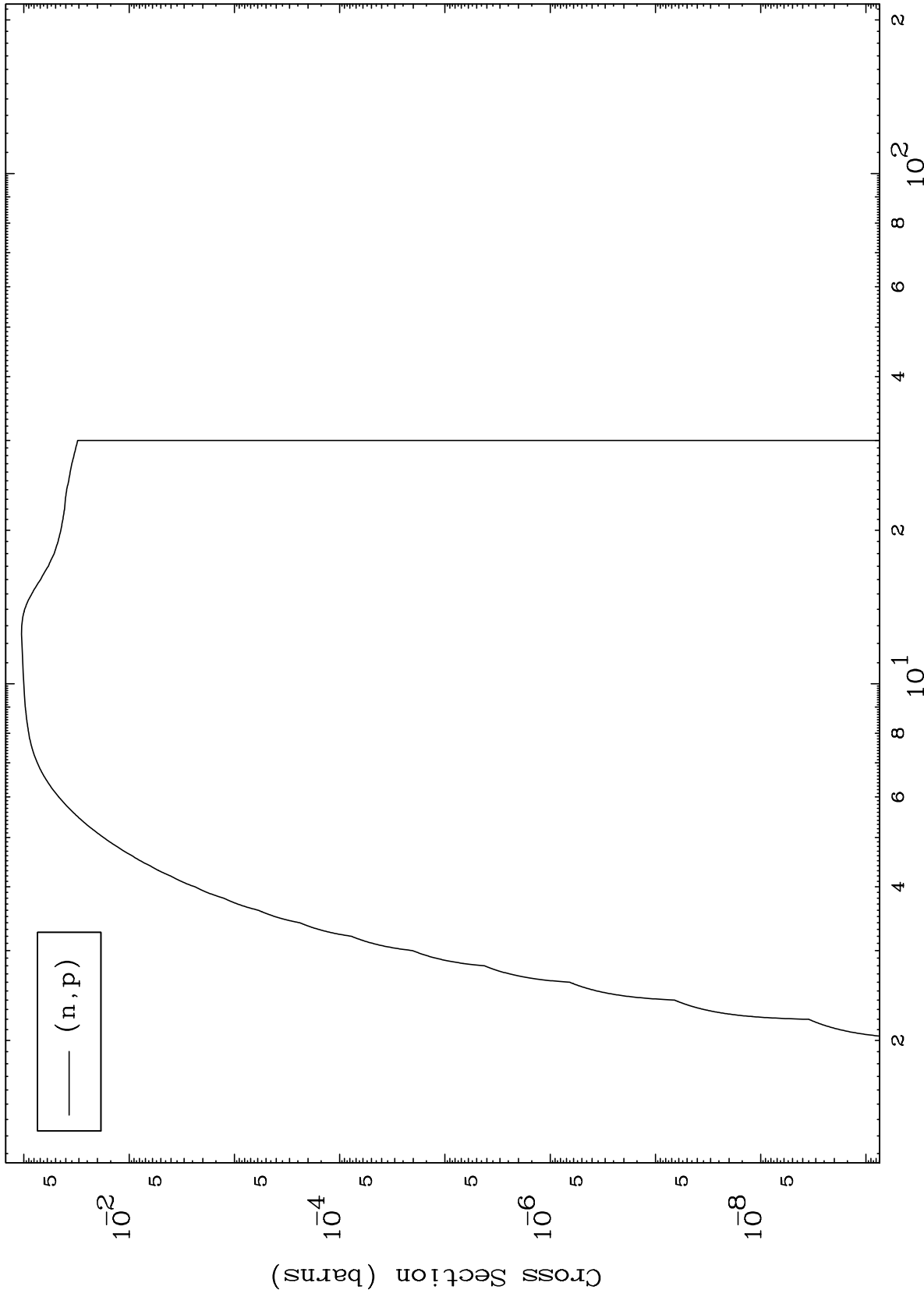
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,p) Levels
293 Kelvin Cross Sections

36-Kr-80



10

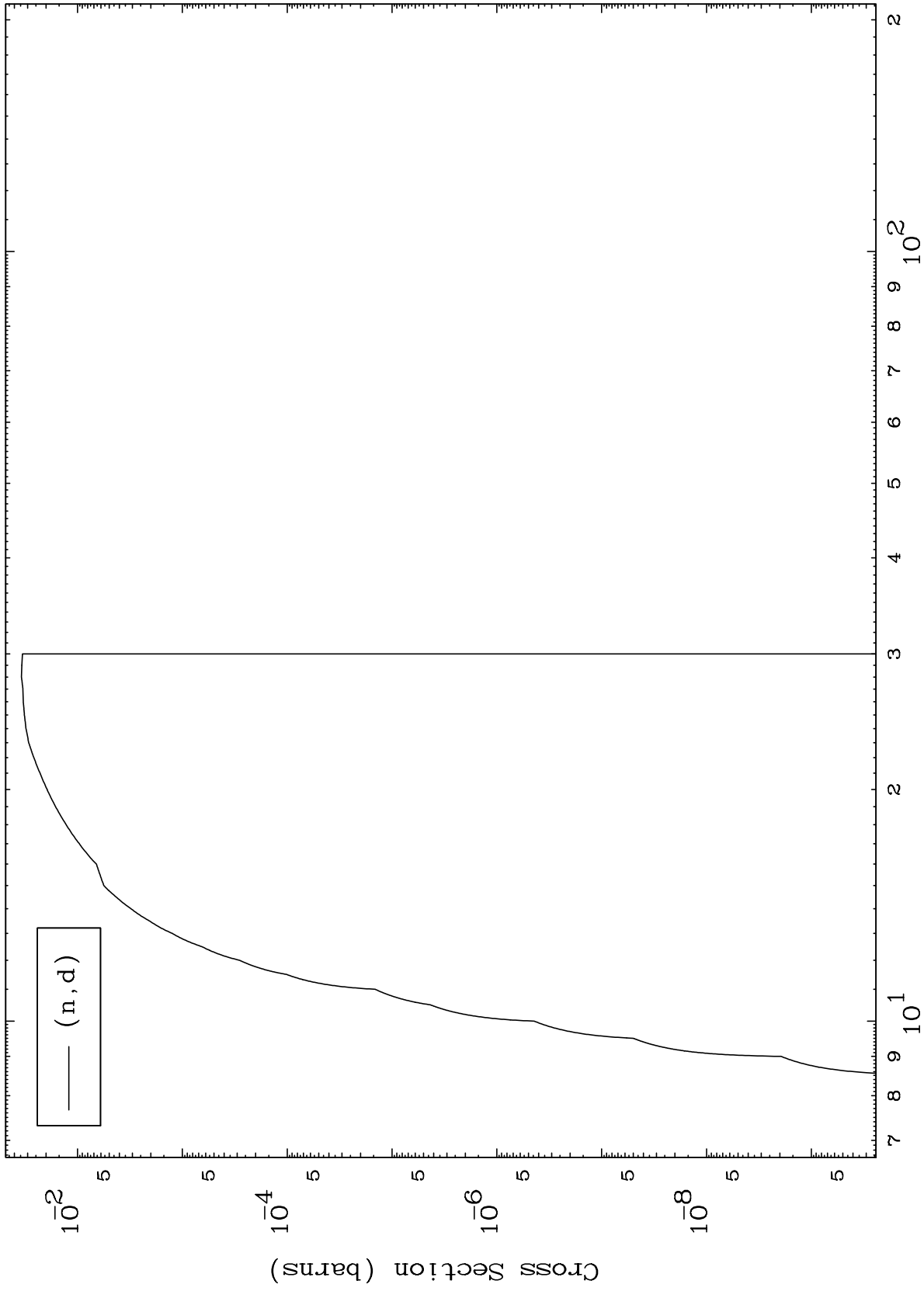
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,d) Levels
293 Kelvin Cross Sections

36-Kr-80



11

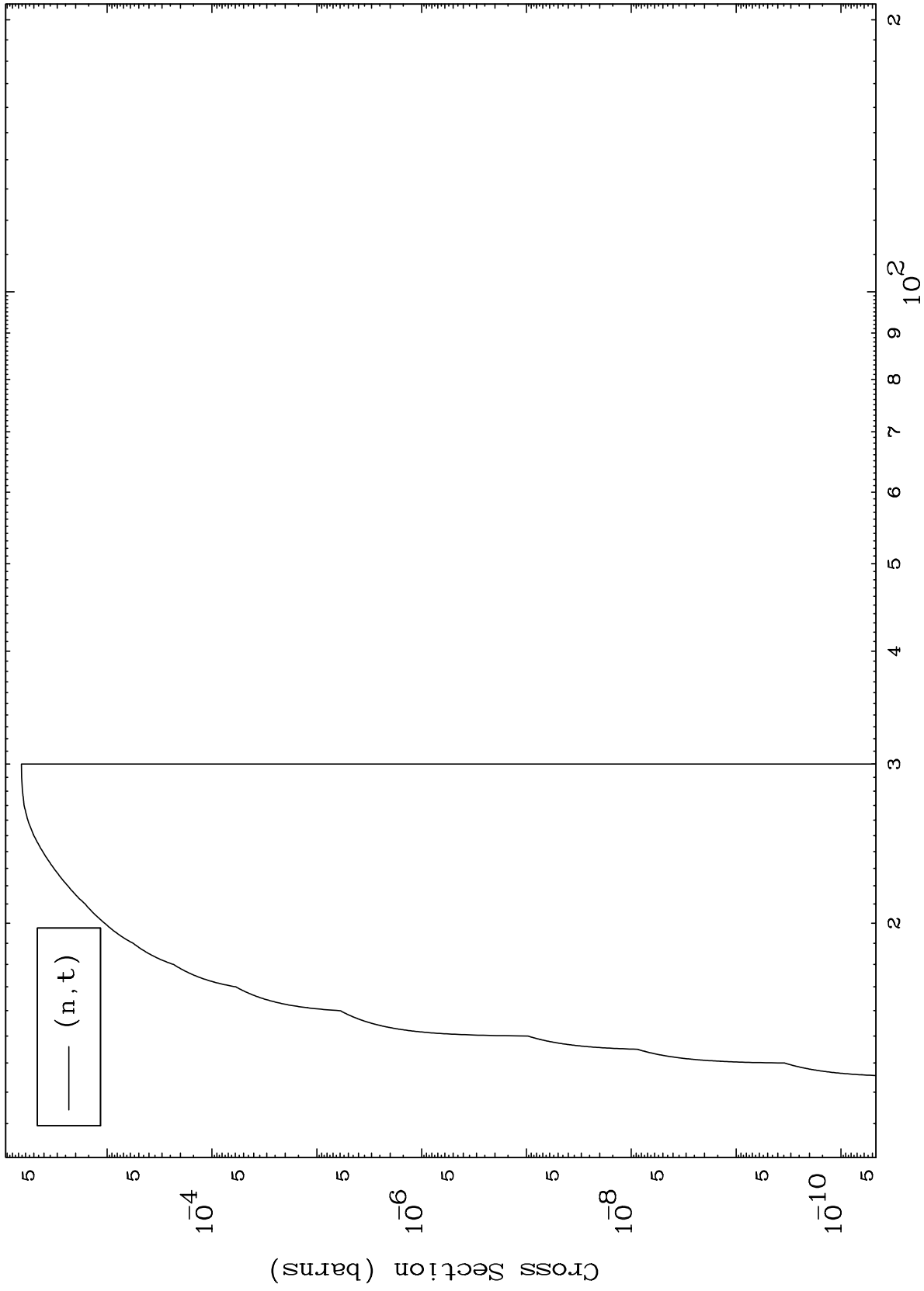
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,t) Levels
293 Kelvin Cross Sections

36-Kr-80



12

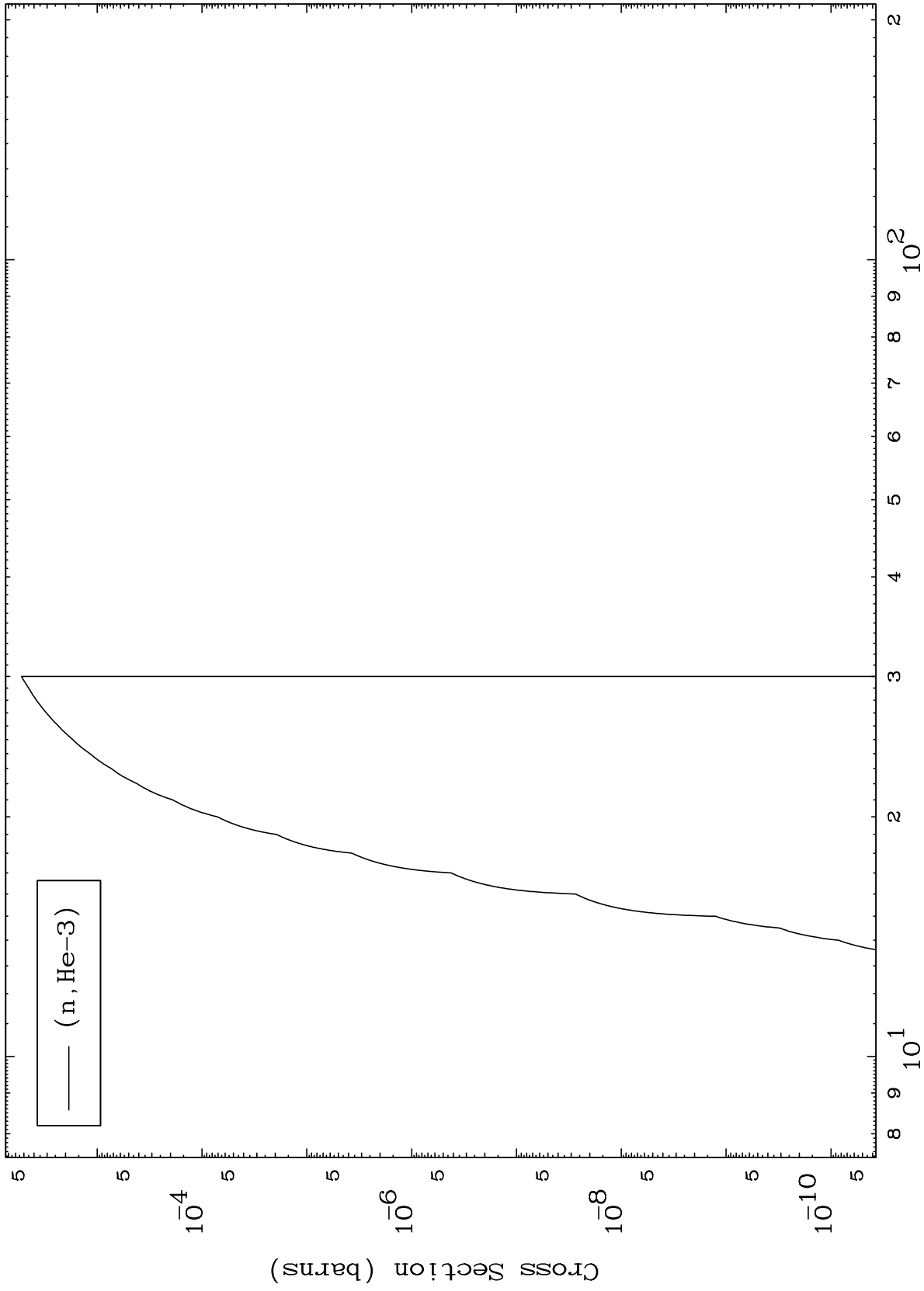
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,He3) Levels
293 Kelvin Cross Sections

36-Kr-80



13

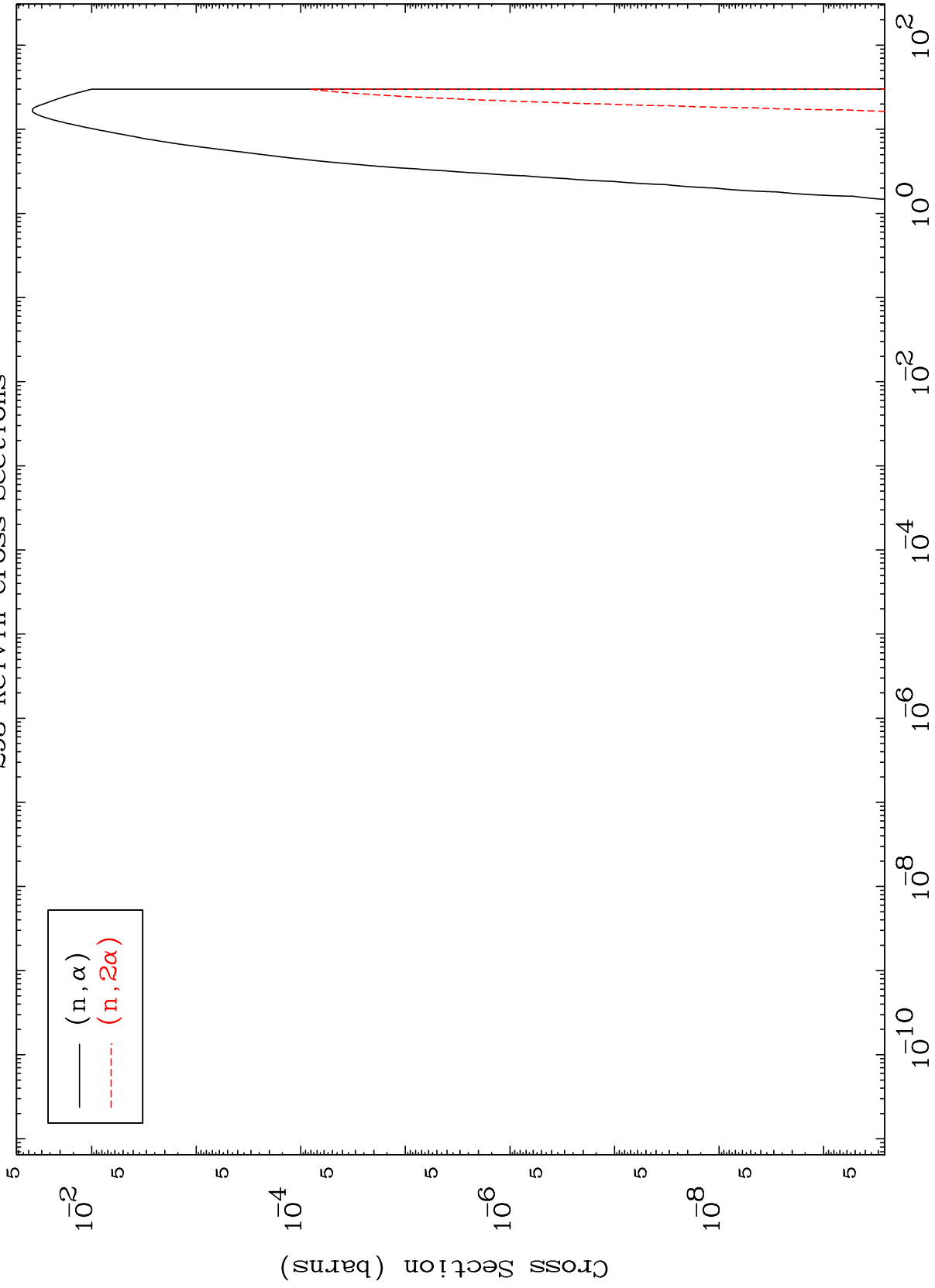
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,α) Levels
293 Kelvin Cross Sections

36-Kr-80



MAT 3631

Elastic Legendre Coefficients

³⁶Kr-80



15

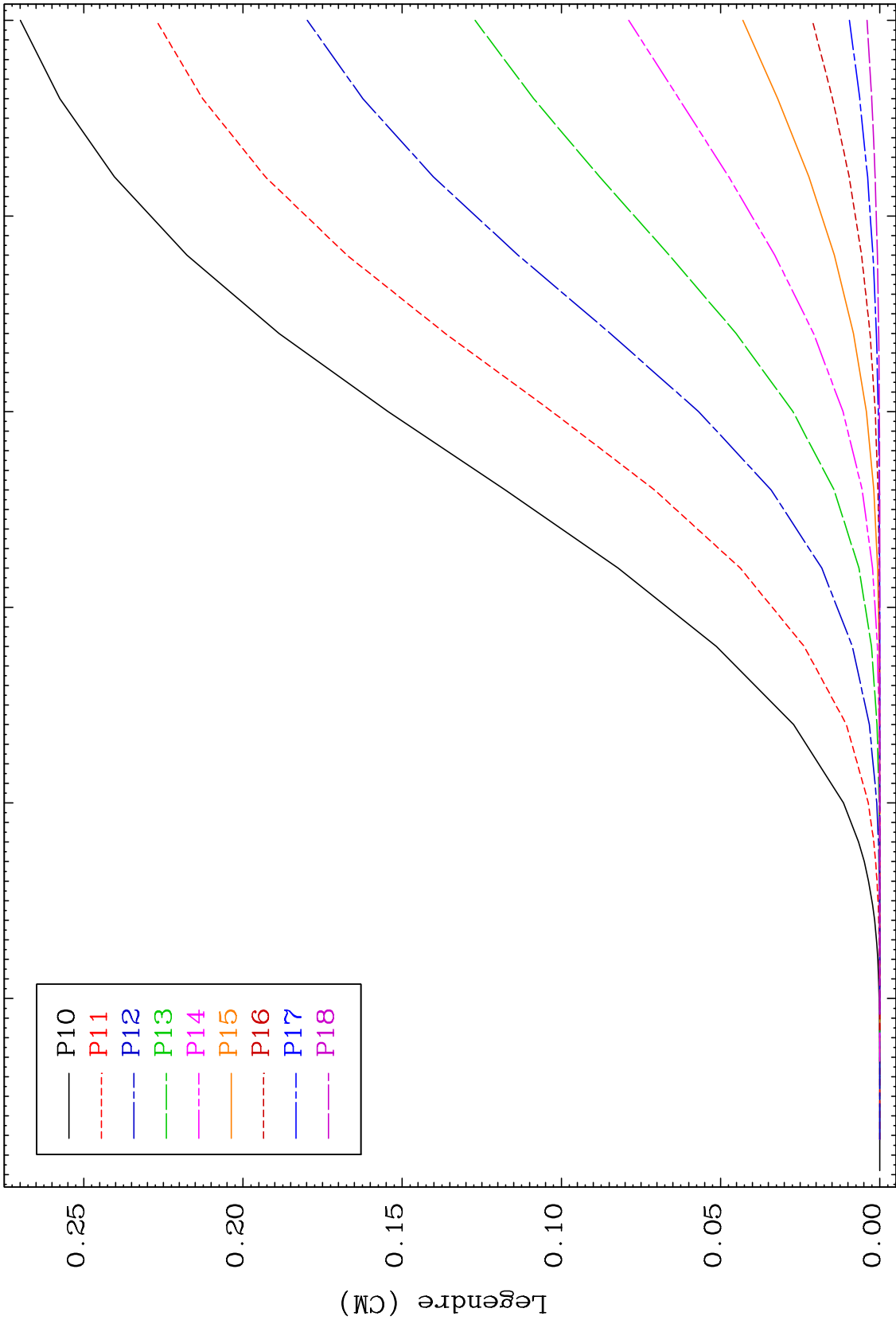
Incident Energy (MeV)

³⁶Kr-80

MAT 3631

Elastic Legendre Coefficients

36-Kr-80



16

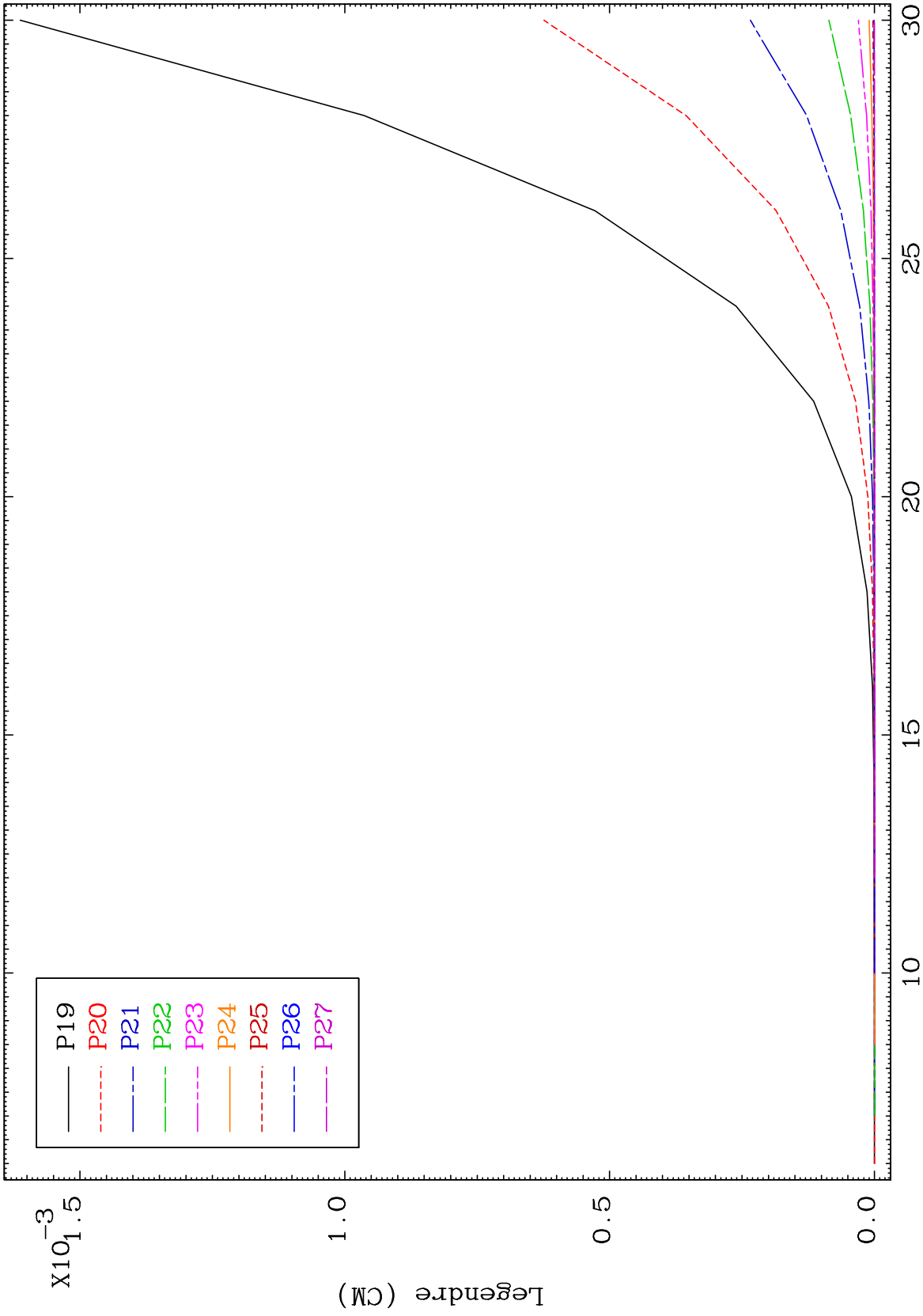
Incident Energy (MeV)

36-Kr-80

MAT 3631

Elastic Legendre Coefficients

36-Kr-80

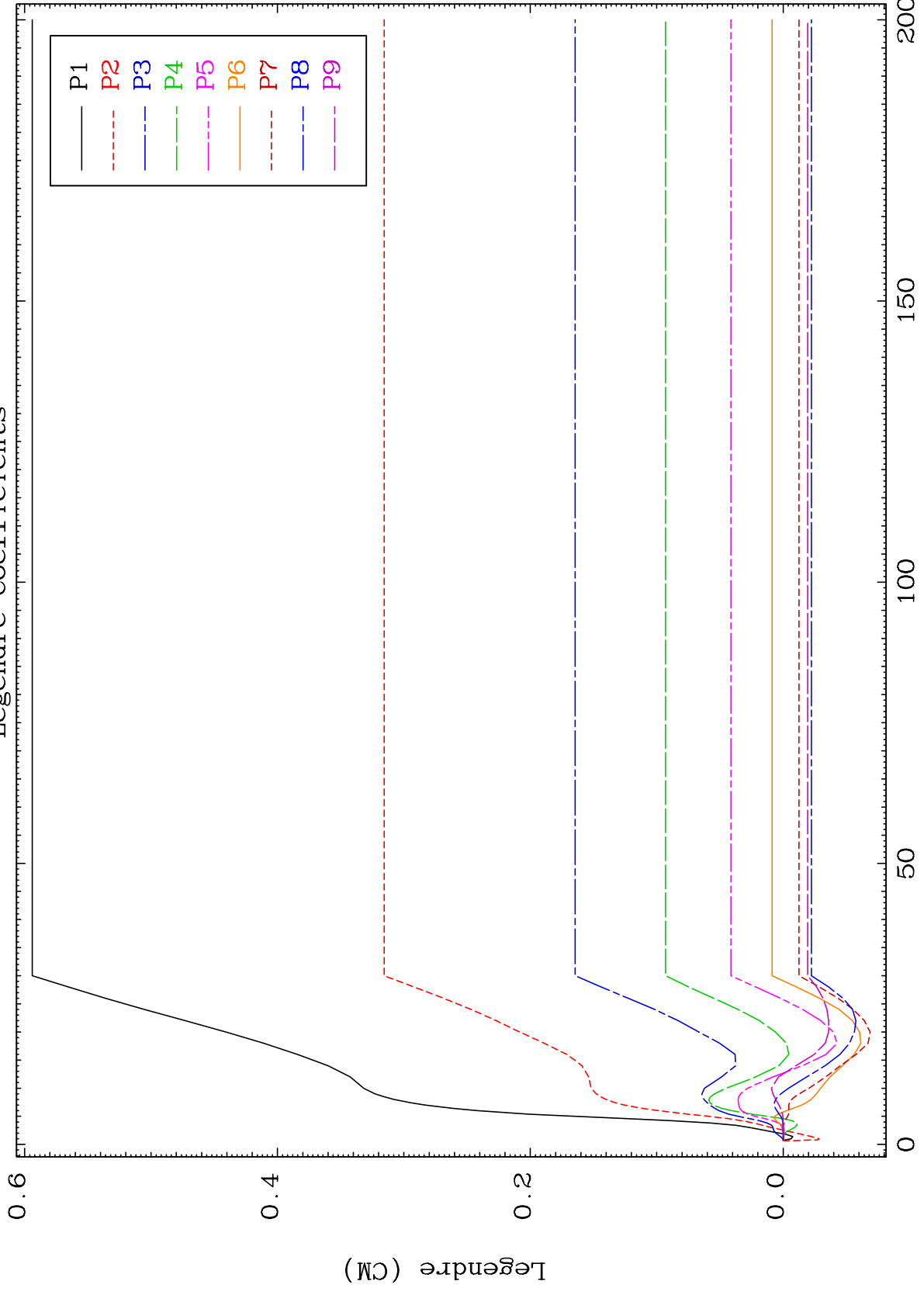


17

Incident Energy (MeV)

36-Kr-80

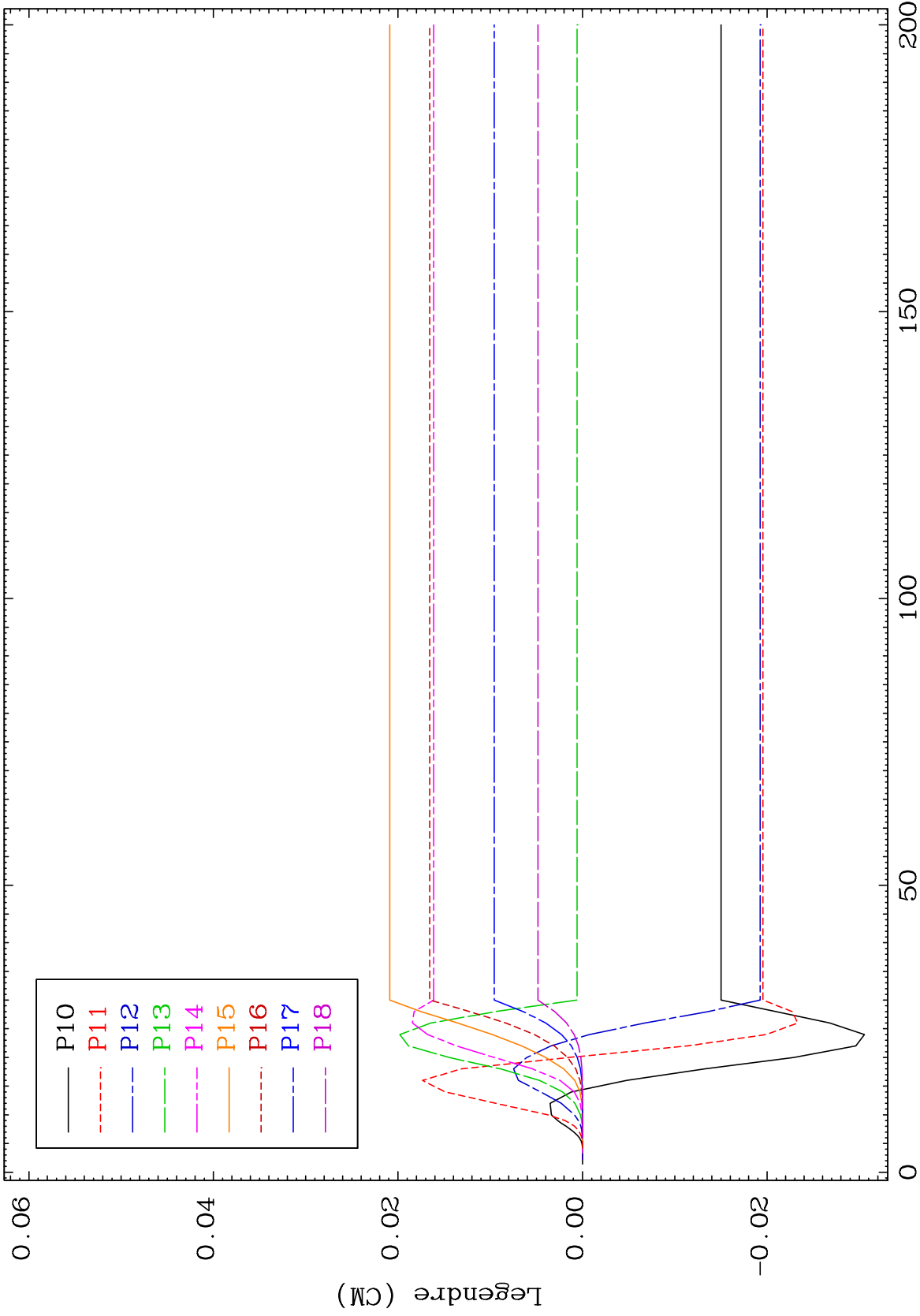
MAT 3631 MT= 51 (n,n') Level Legendre Coefficients 36-Kr-80



MAT 3631

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

36-Kr-80



20

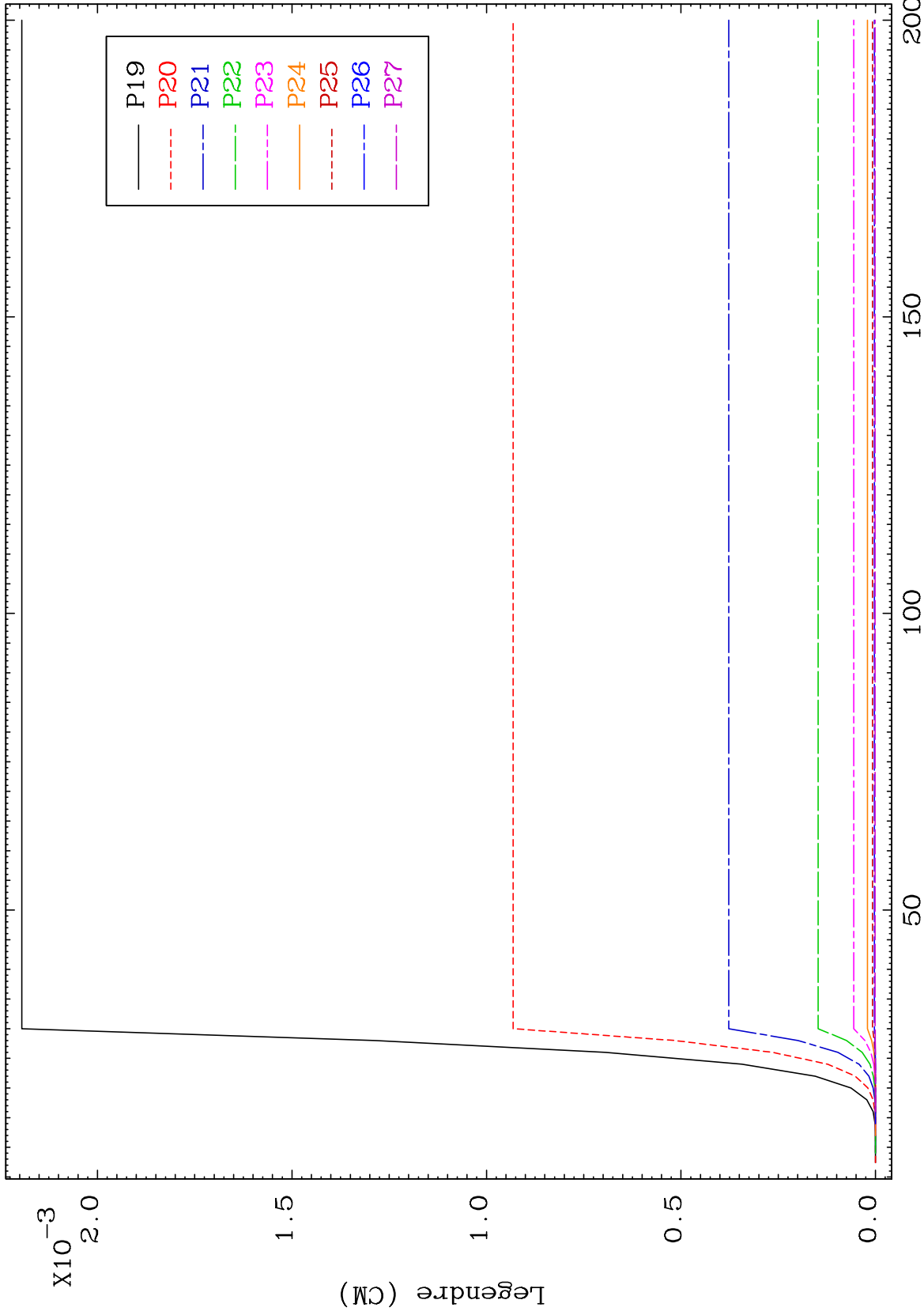
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



21

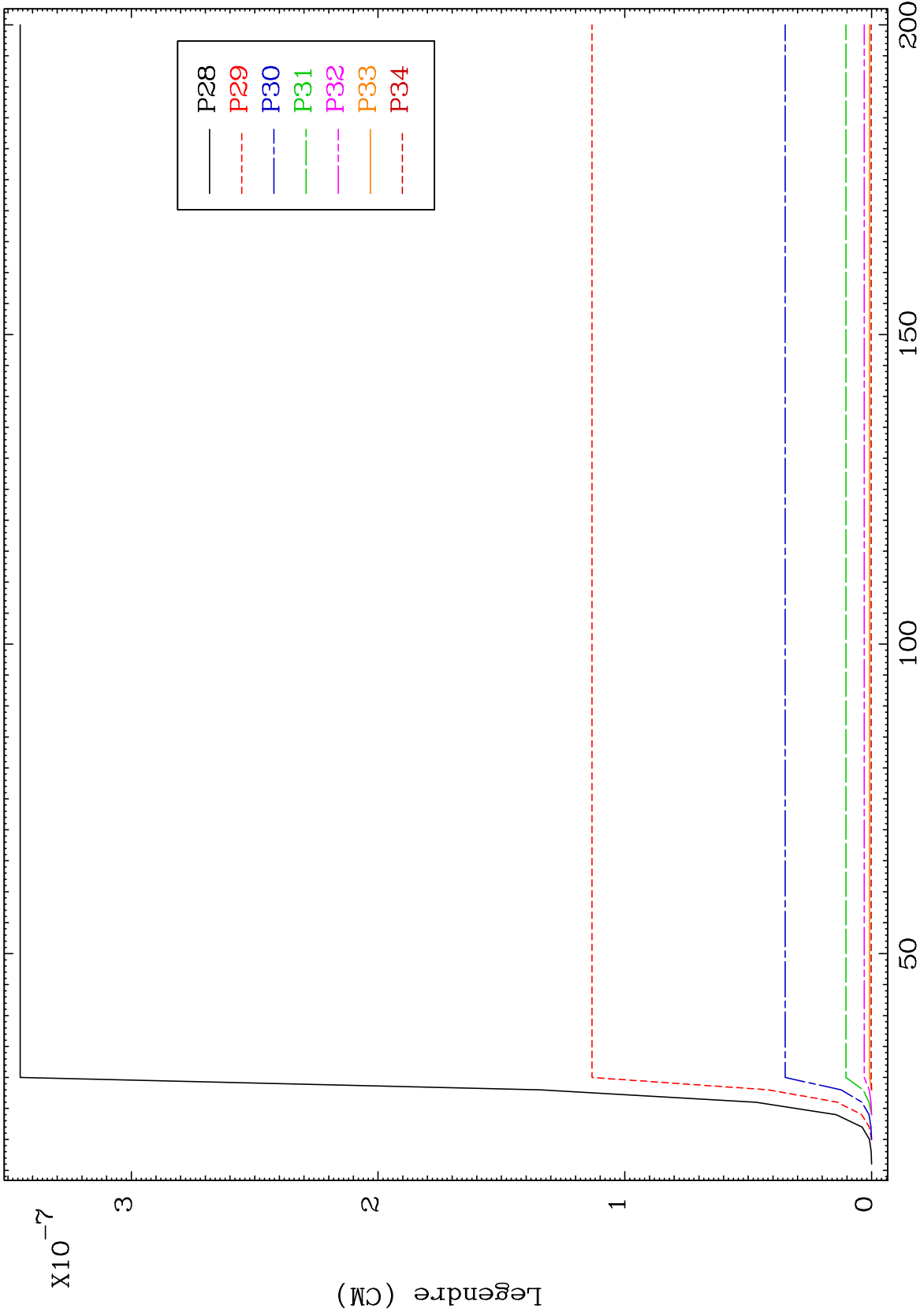
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



22

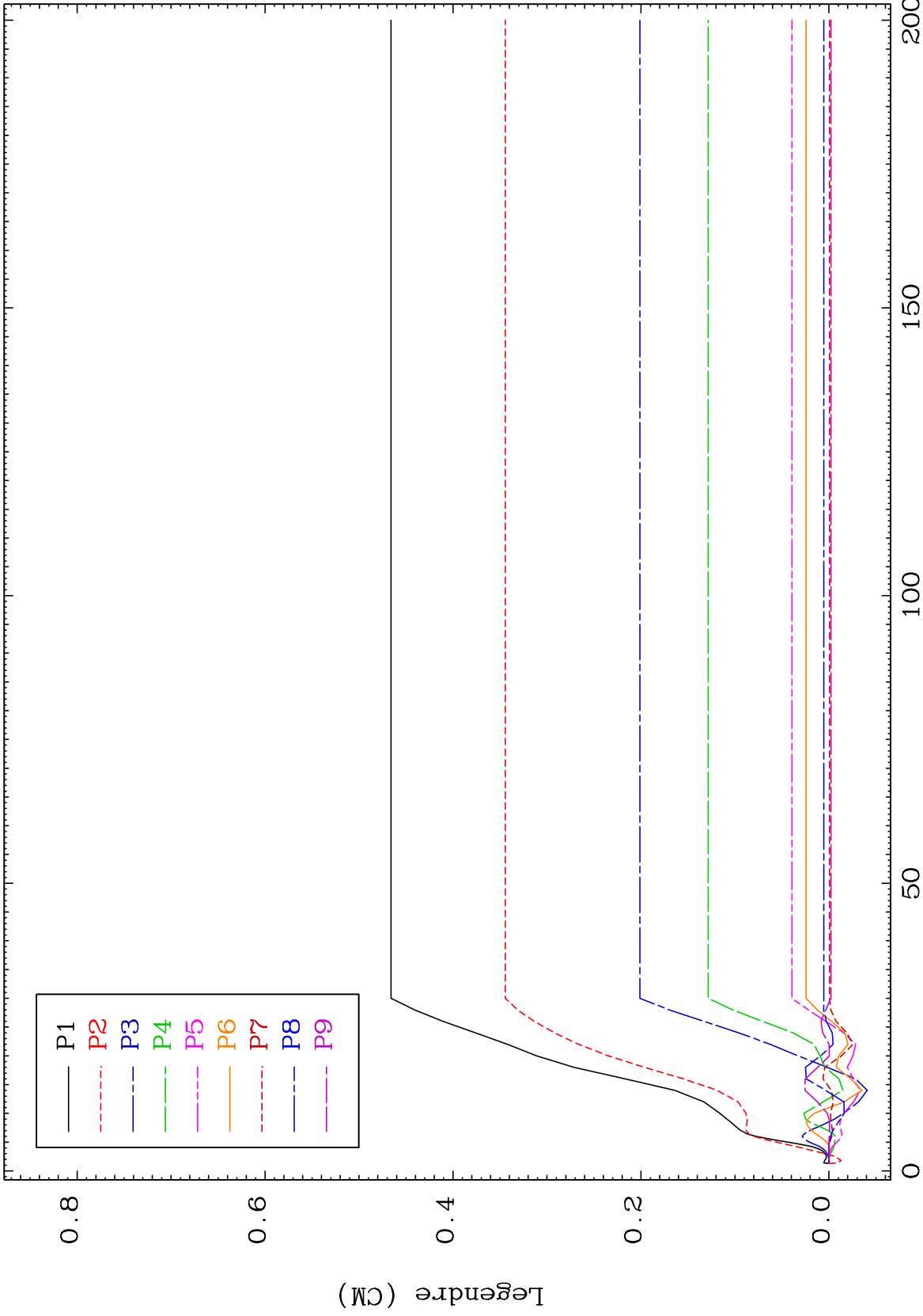
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



23

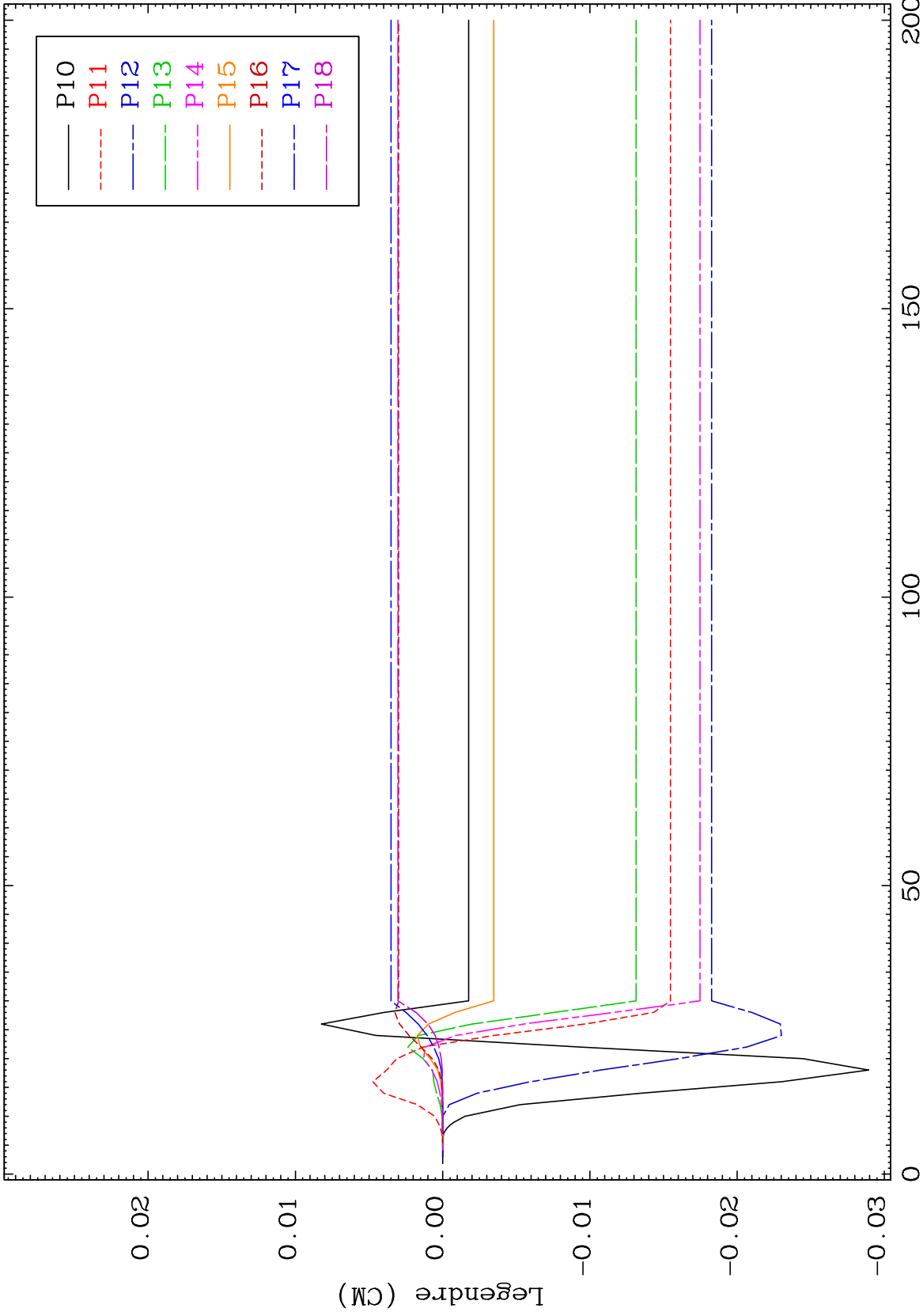
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80

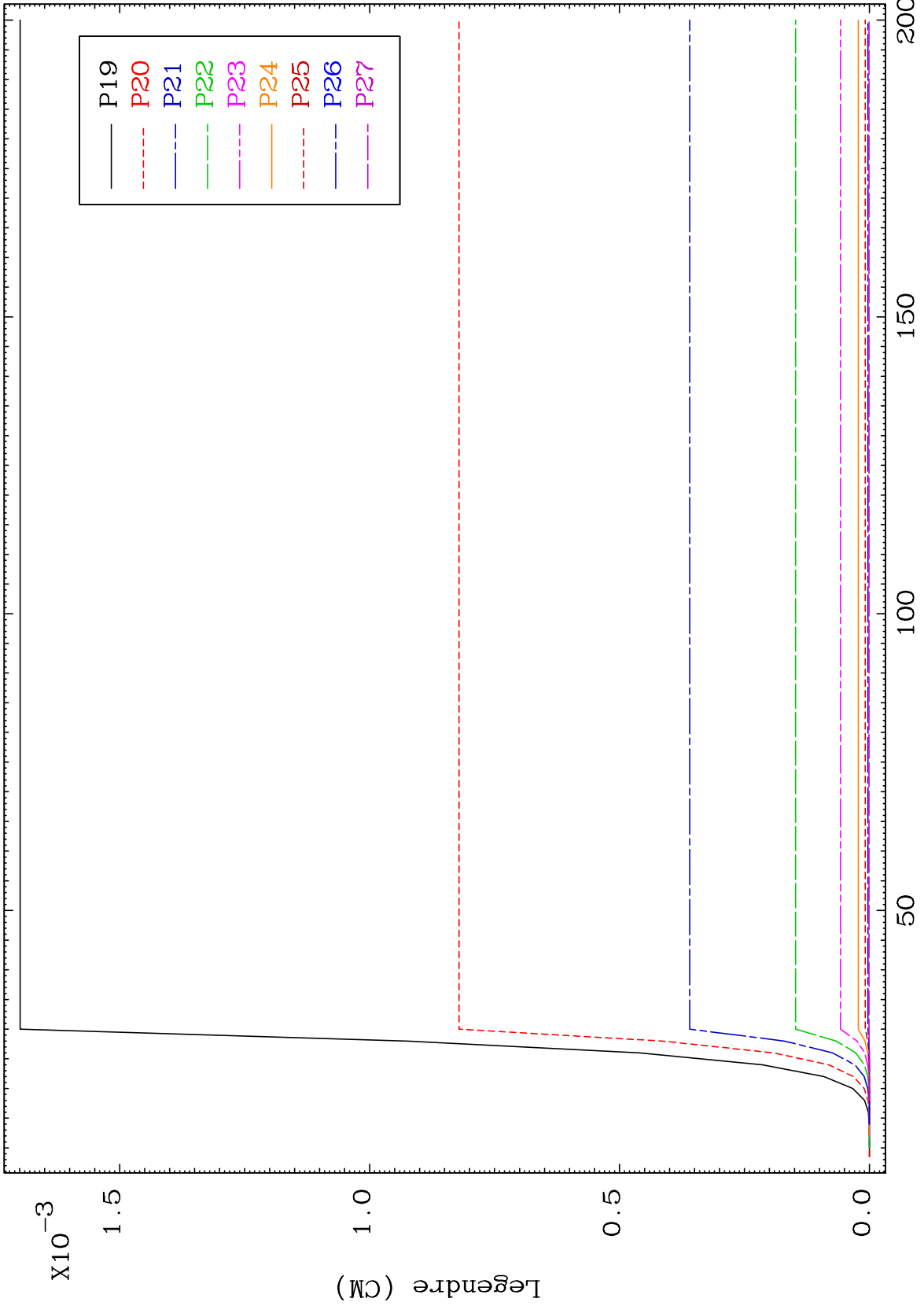


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Incident Energy (MeV)

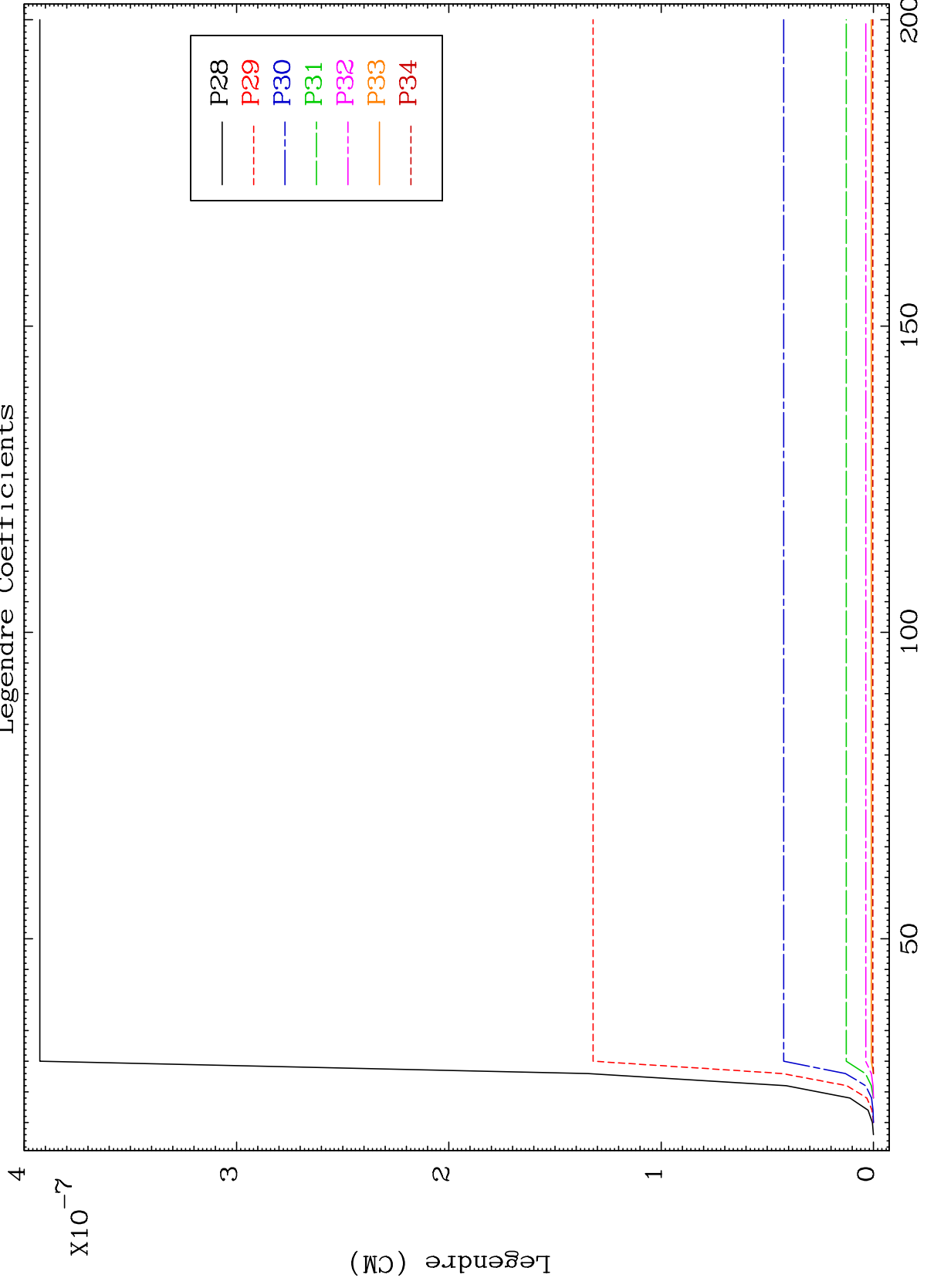
36-Kr-80

MAT 3631 MT= 52 (n,n') Level Legendre Coefficients 36-Kr-80



36-Kr-80

MAT 3631 MT= 52 (n,n') Level Legendre Coefficients 36-Kr-80



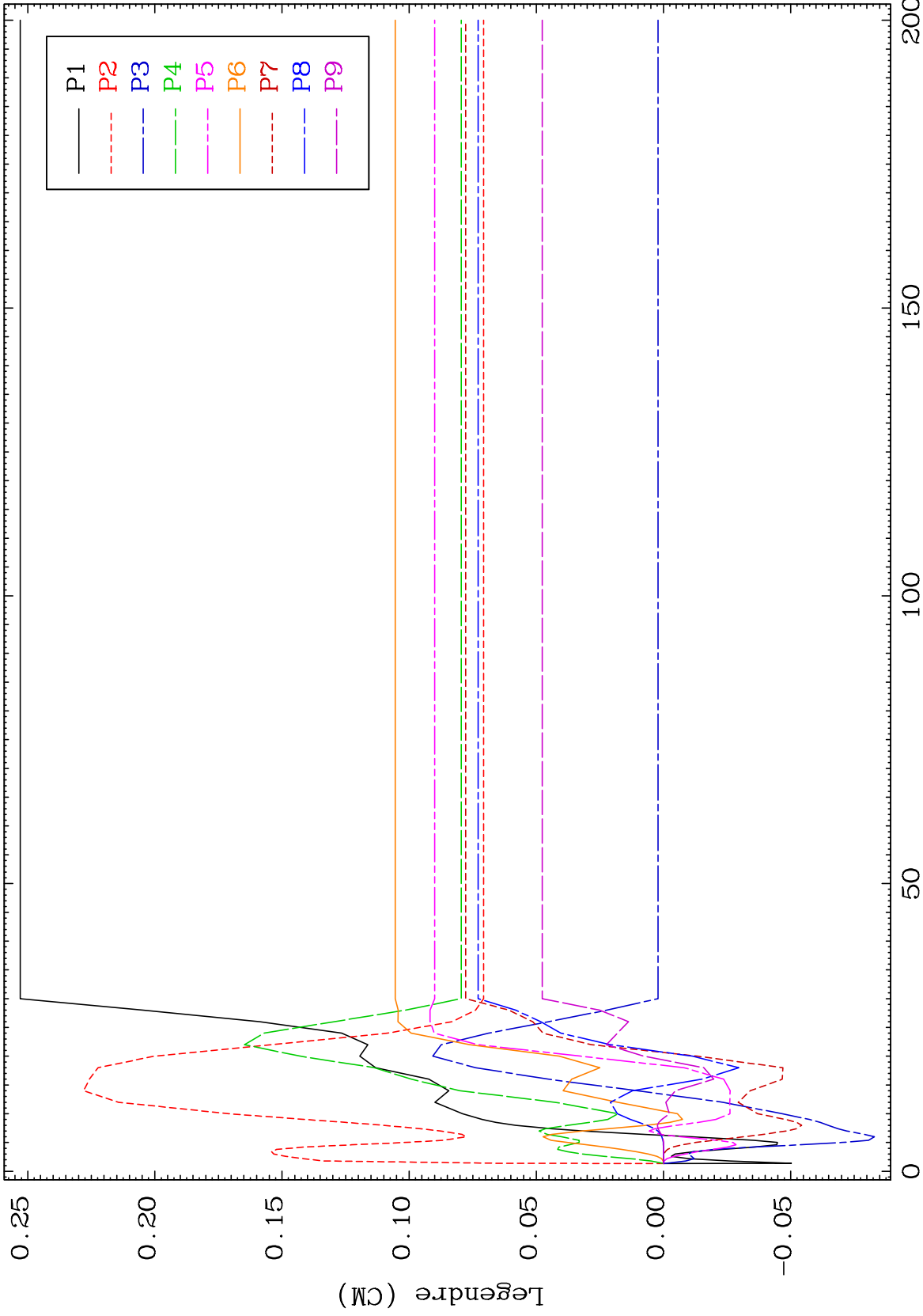
36-Kr-80

26

MAT 3631

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

36-Kr-80



27

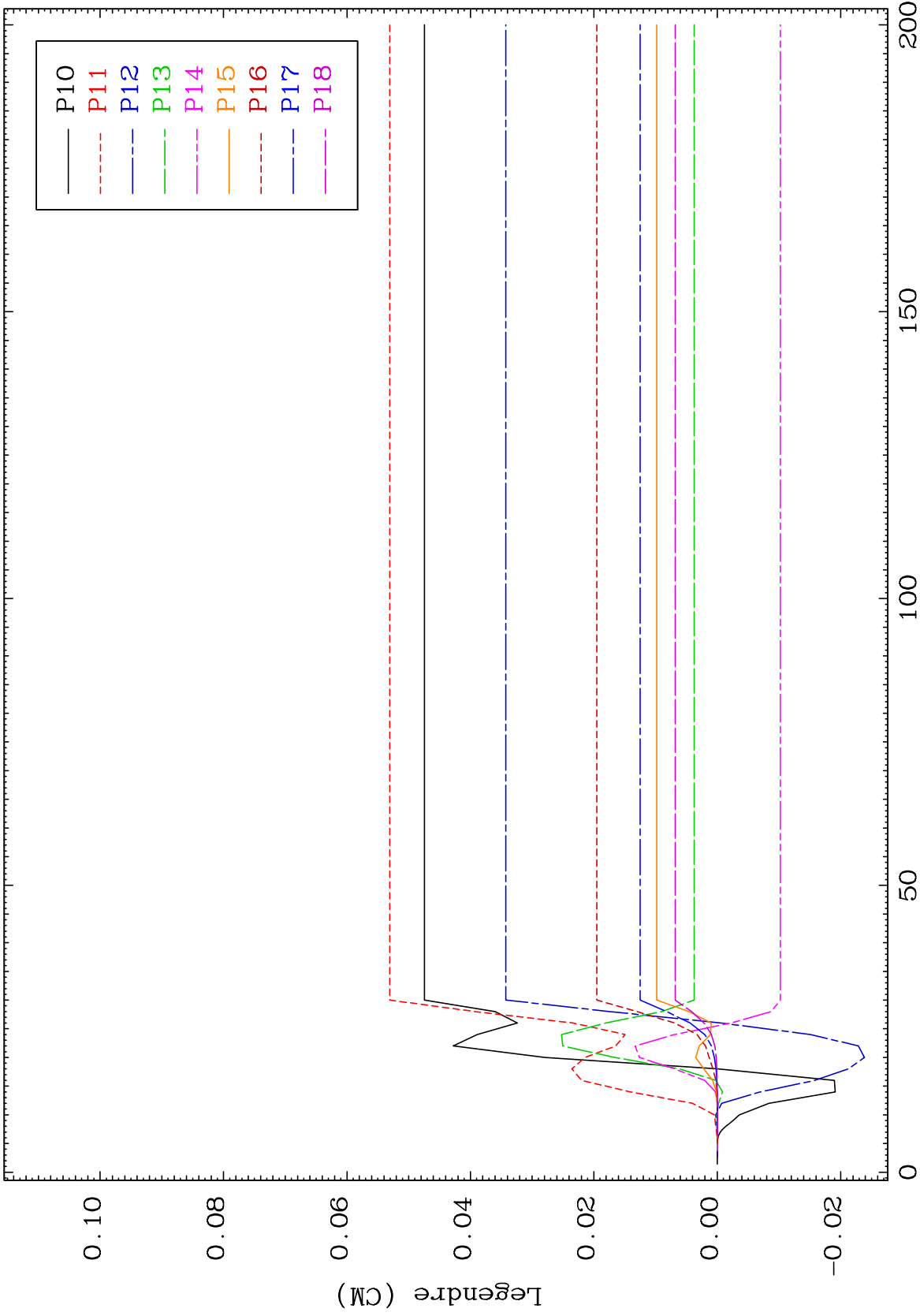
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



28

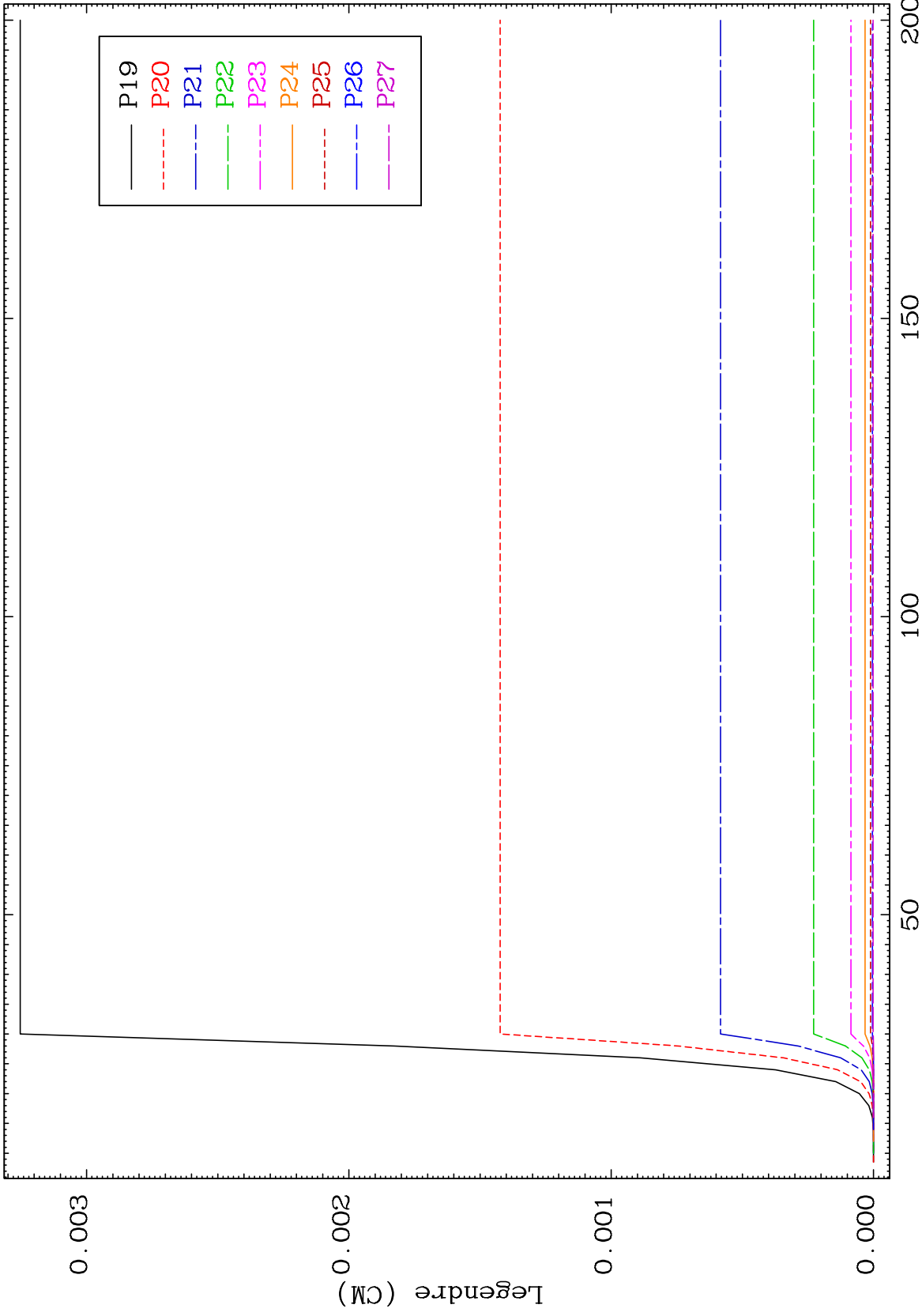
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



29

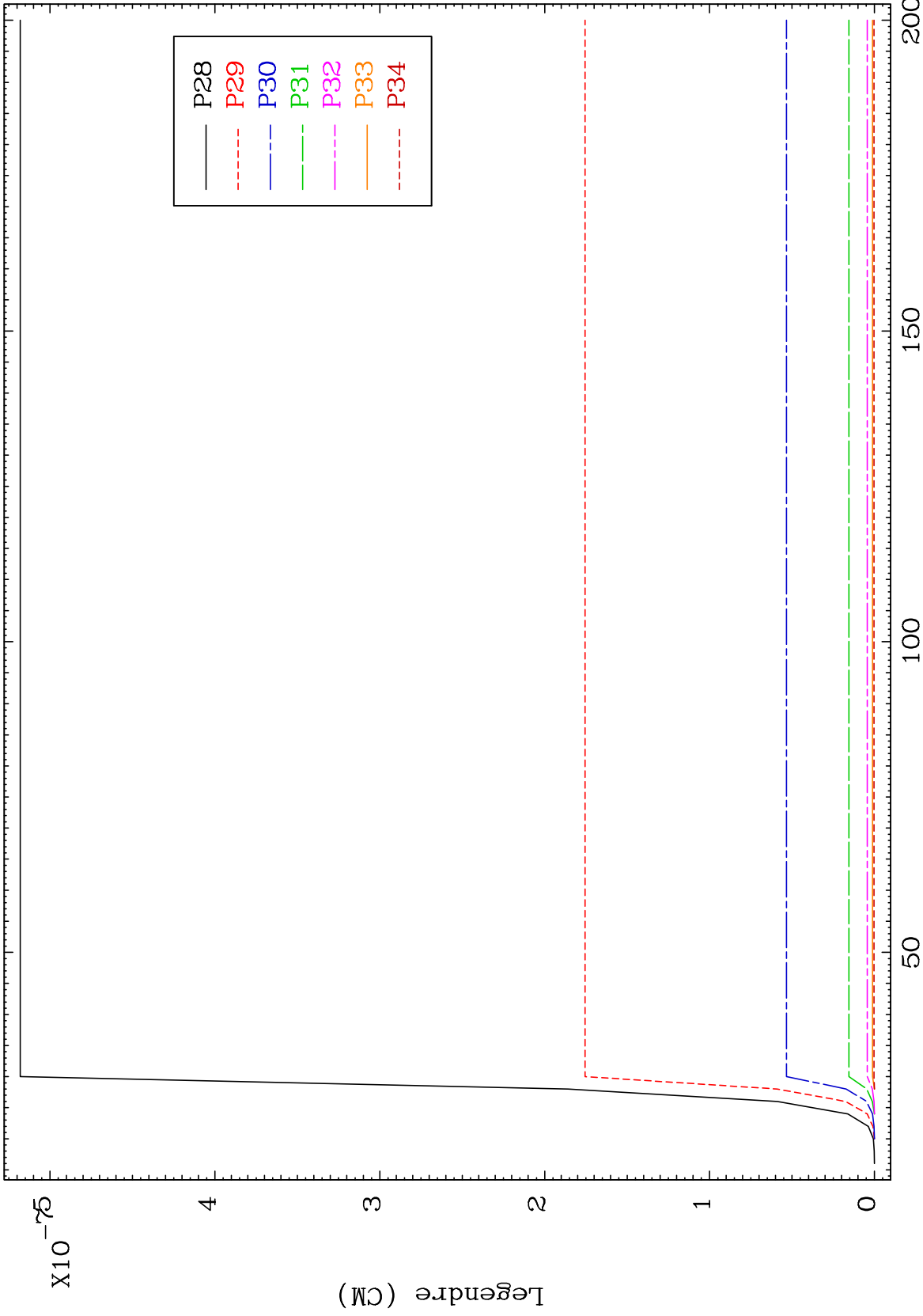
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



30

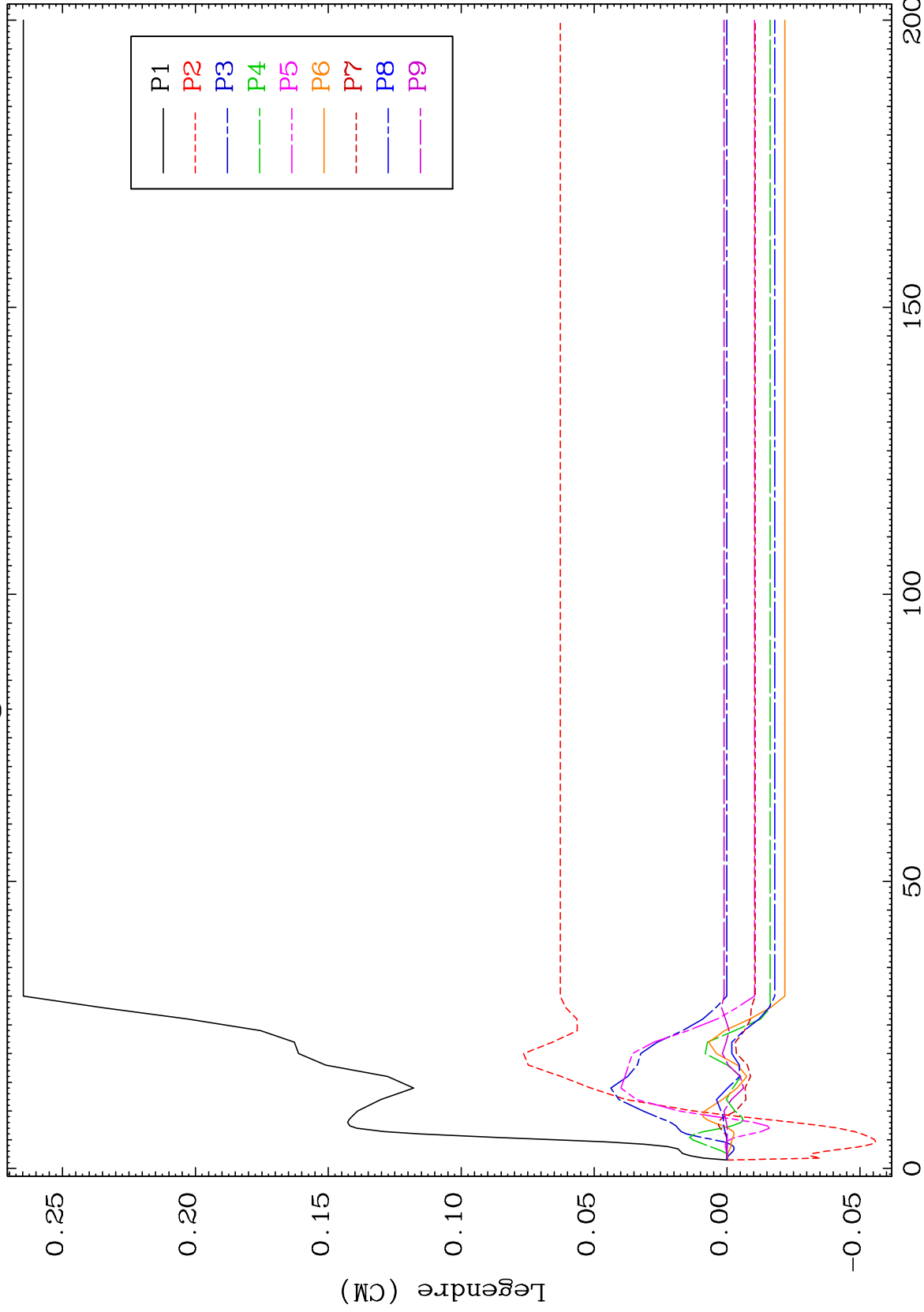
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



31

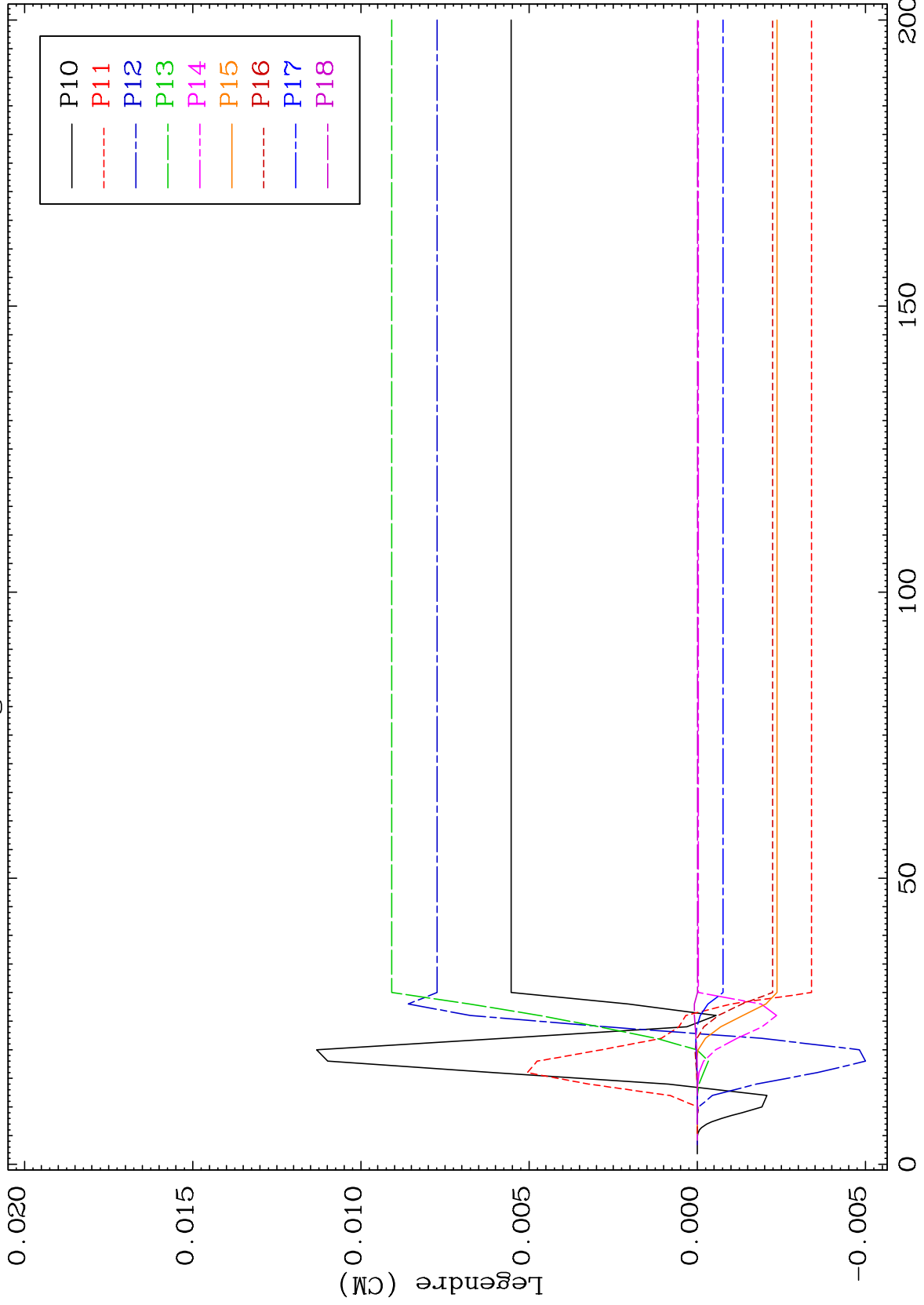
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



32

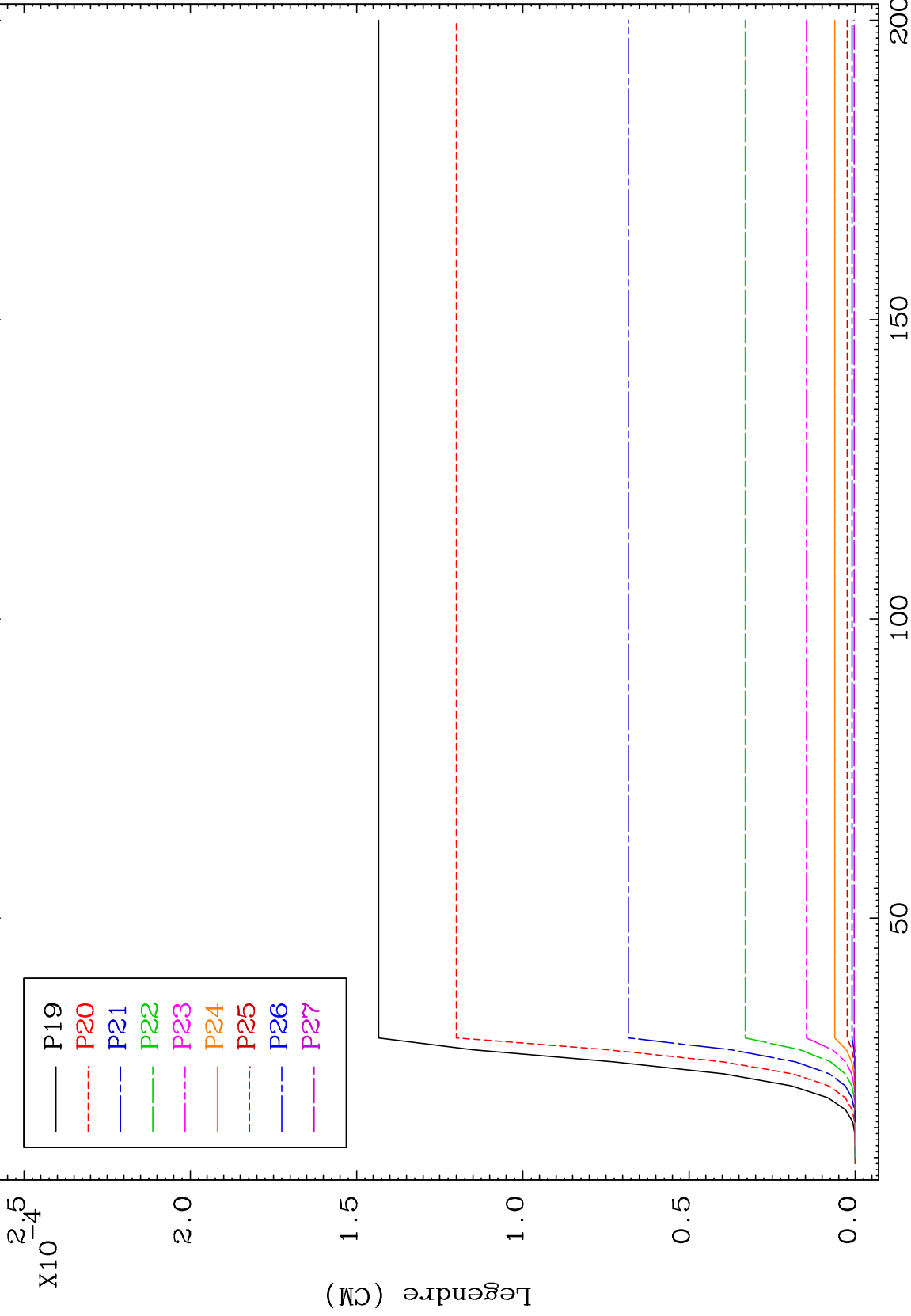
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



33

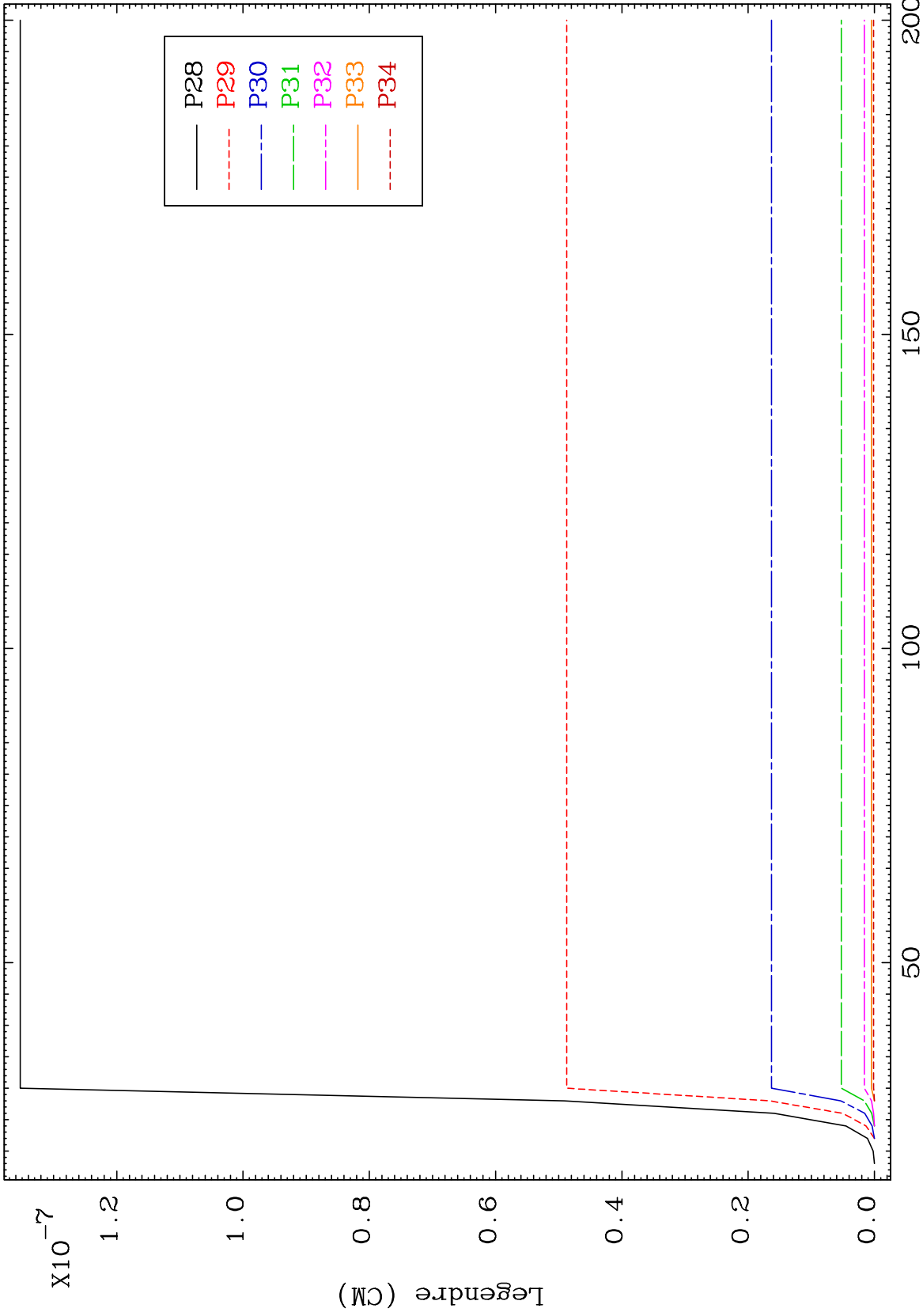
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



34

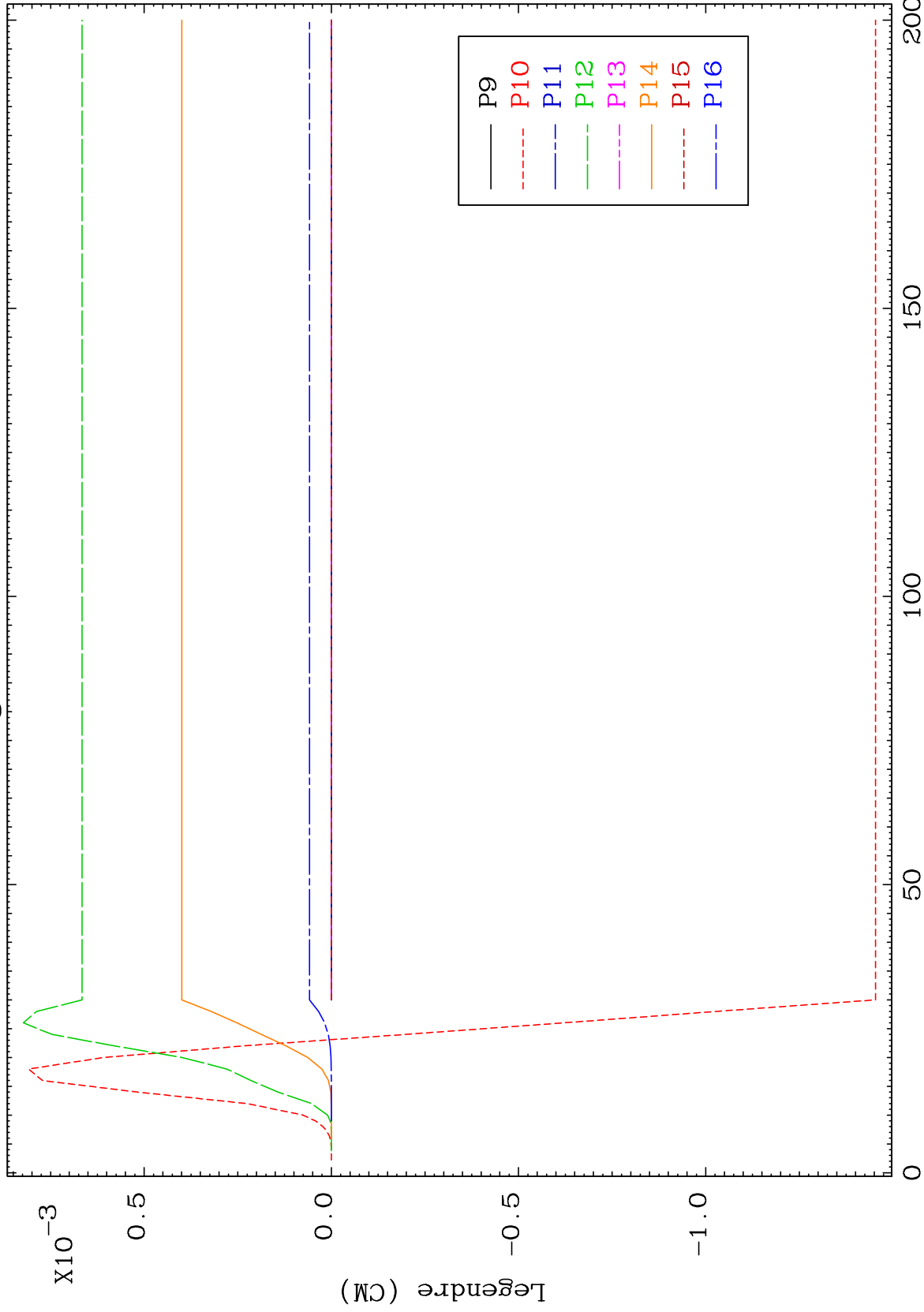
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



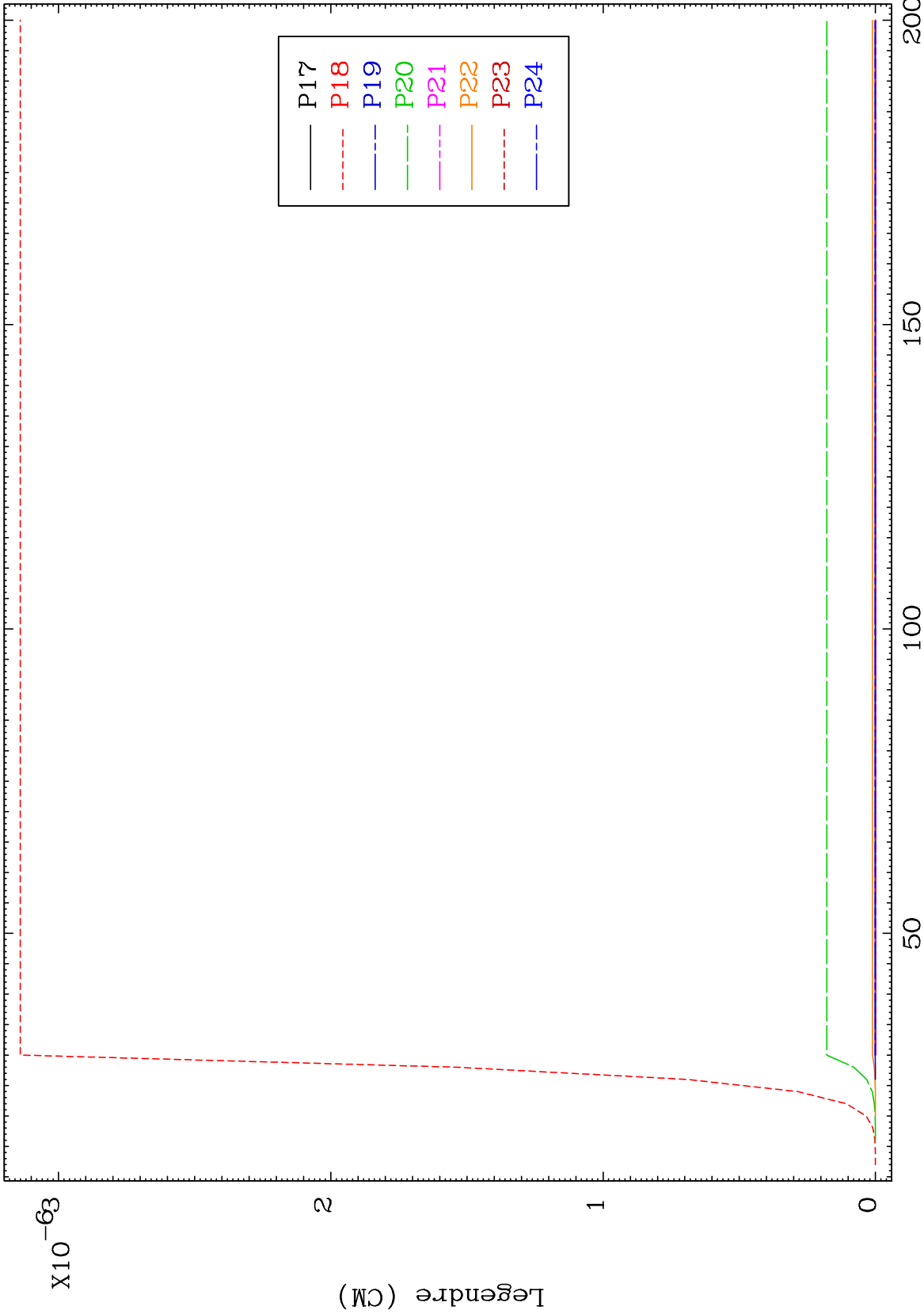
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Incident Energy (MeV)

36-Kr-80

MAT 3631 MT= 55 (n,n') Level Legendre Coefficients

36-Kr-80

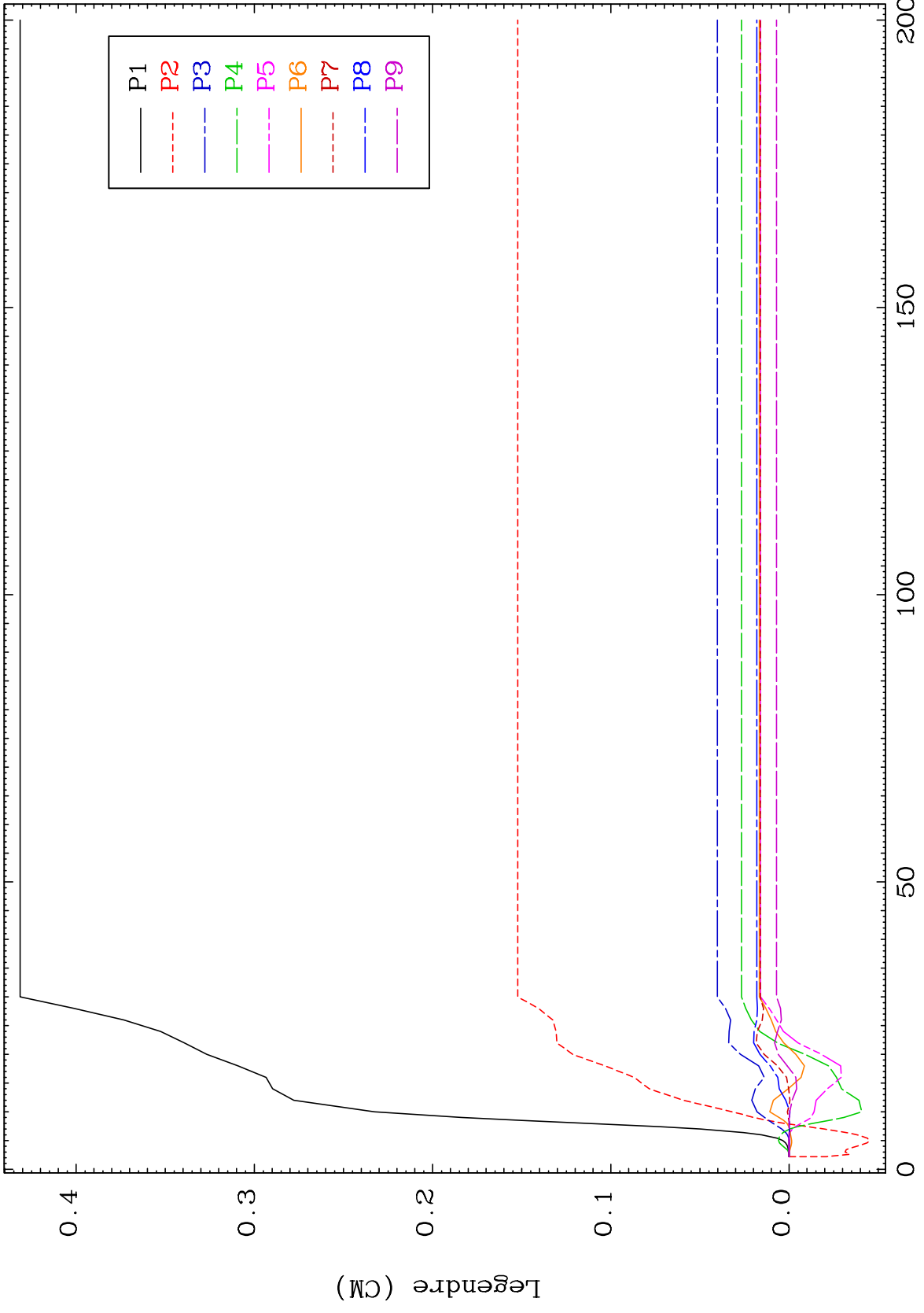


36-Kr-80

Incident Energy (MeV)

37

MAT 3631 MT= 56 (n,n') Level Legendre Coefficients 36-Kr-80

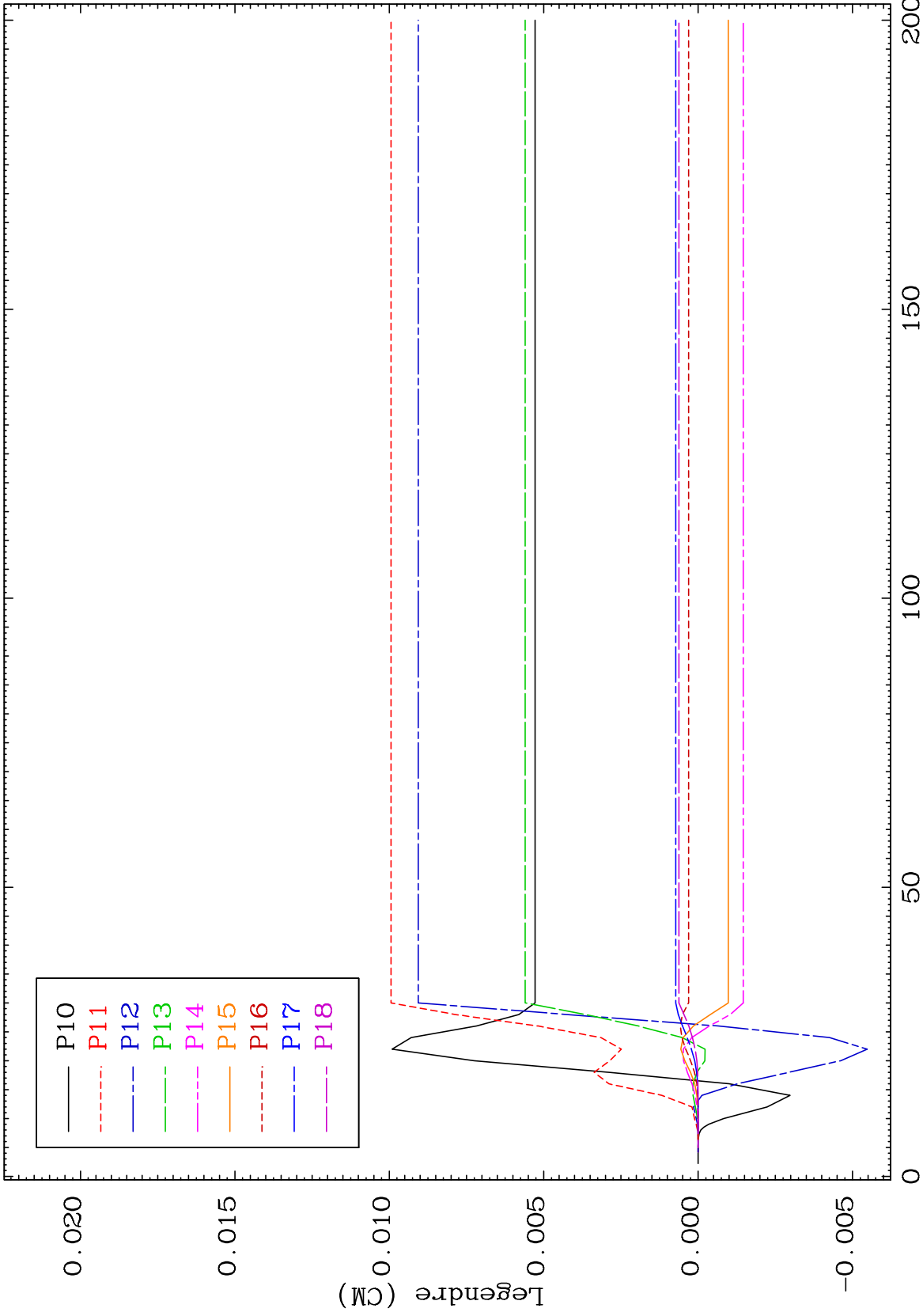


38 Incident Energy (MeV) 36-Kr-80

MAT 3631

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

36-Kr-80



39

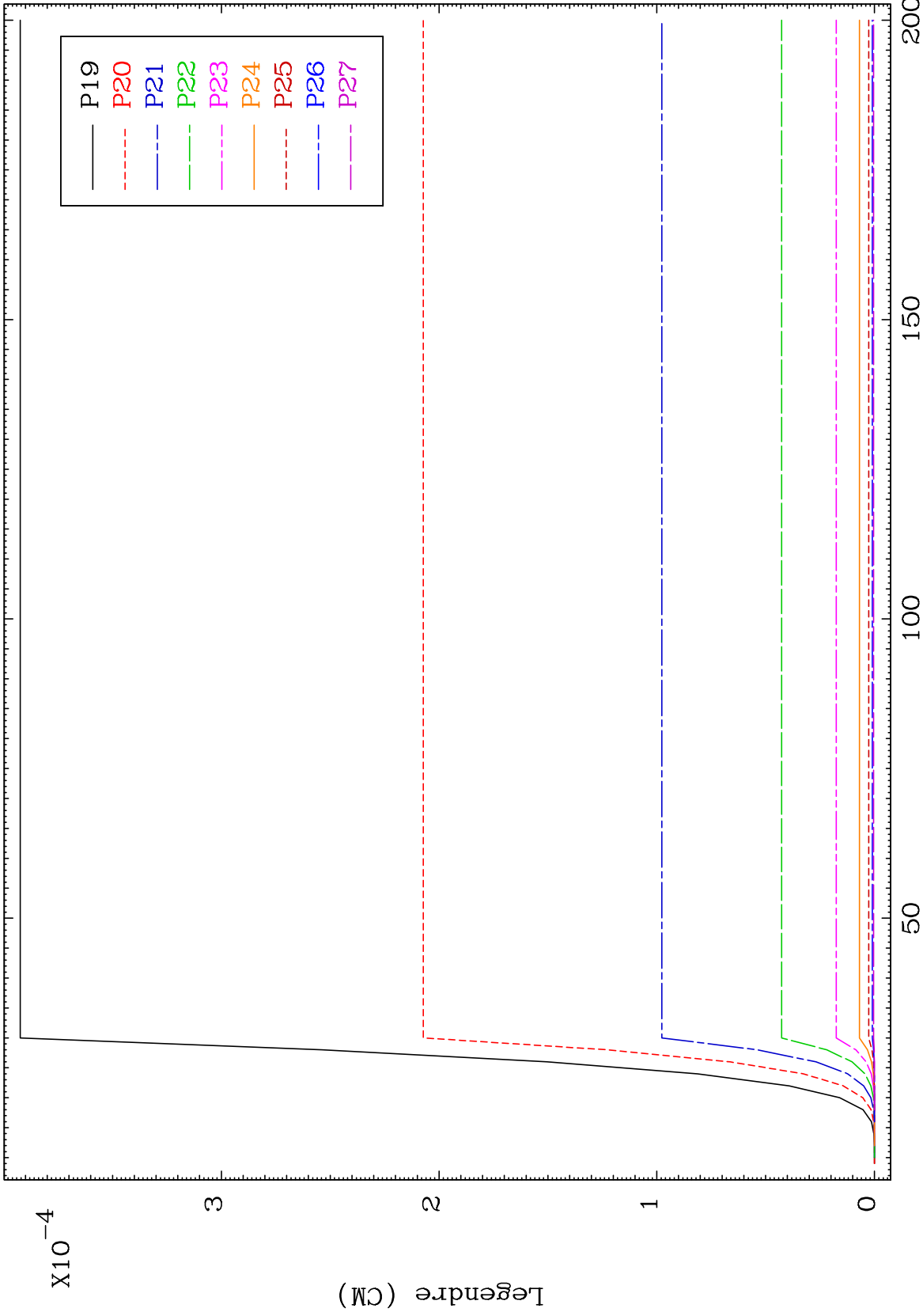
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

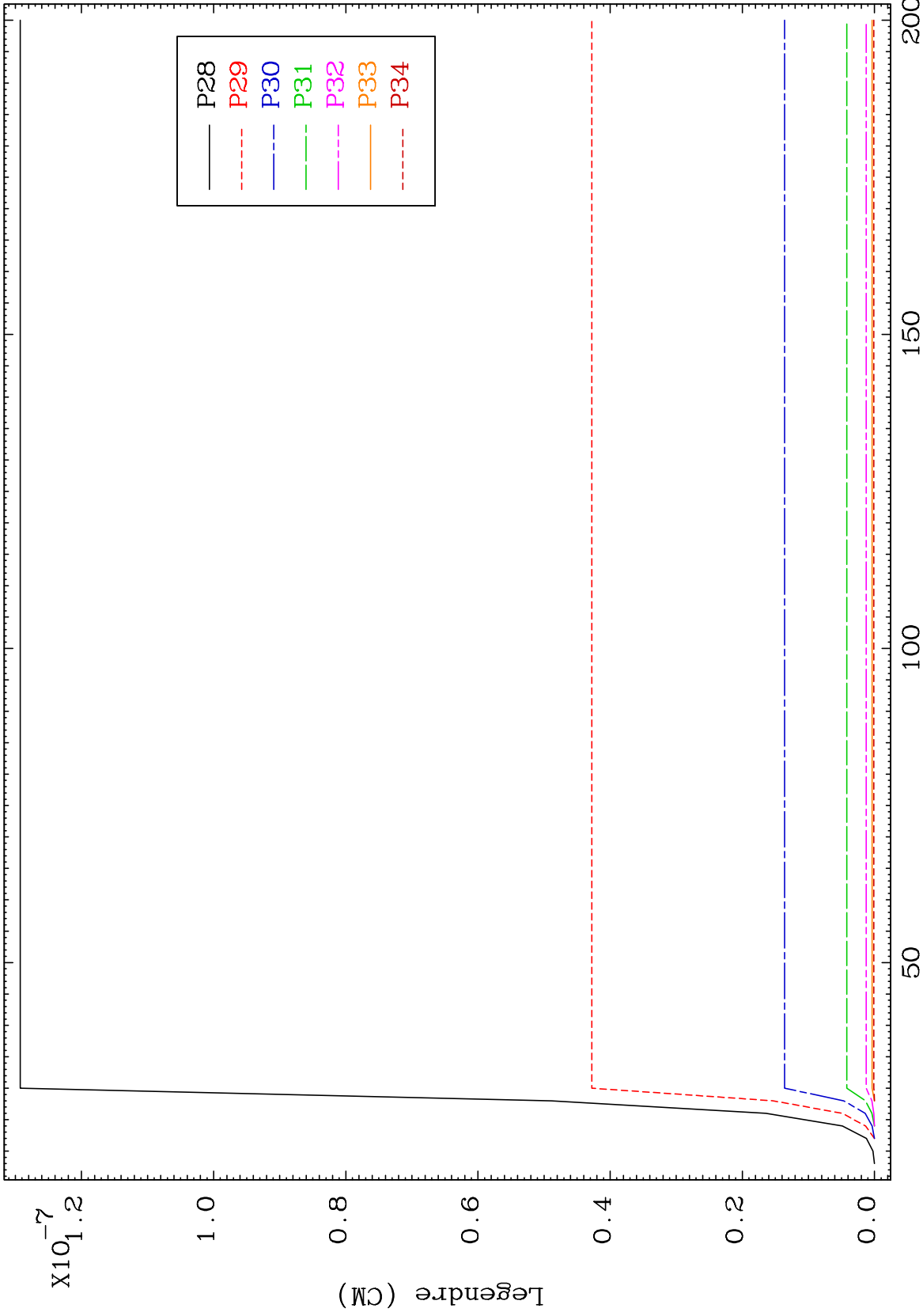
36-Kr-80



MAT 3631

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

36-Kr-80



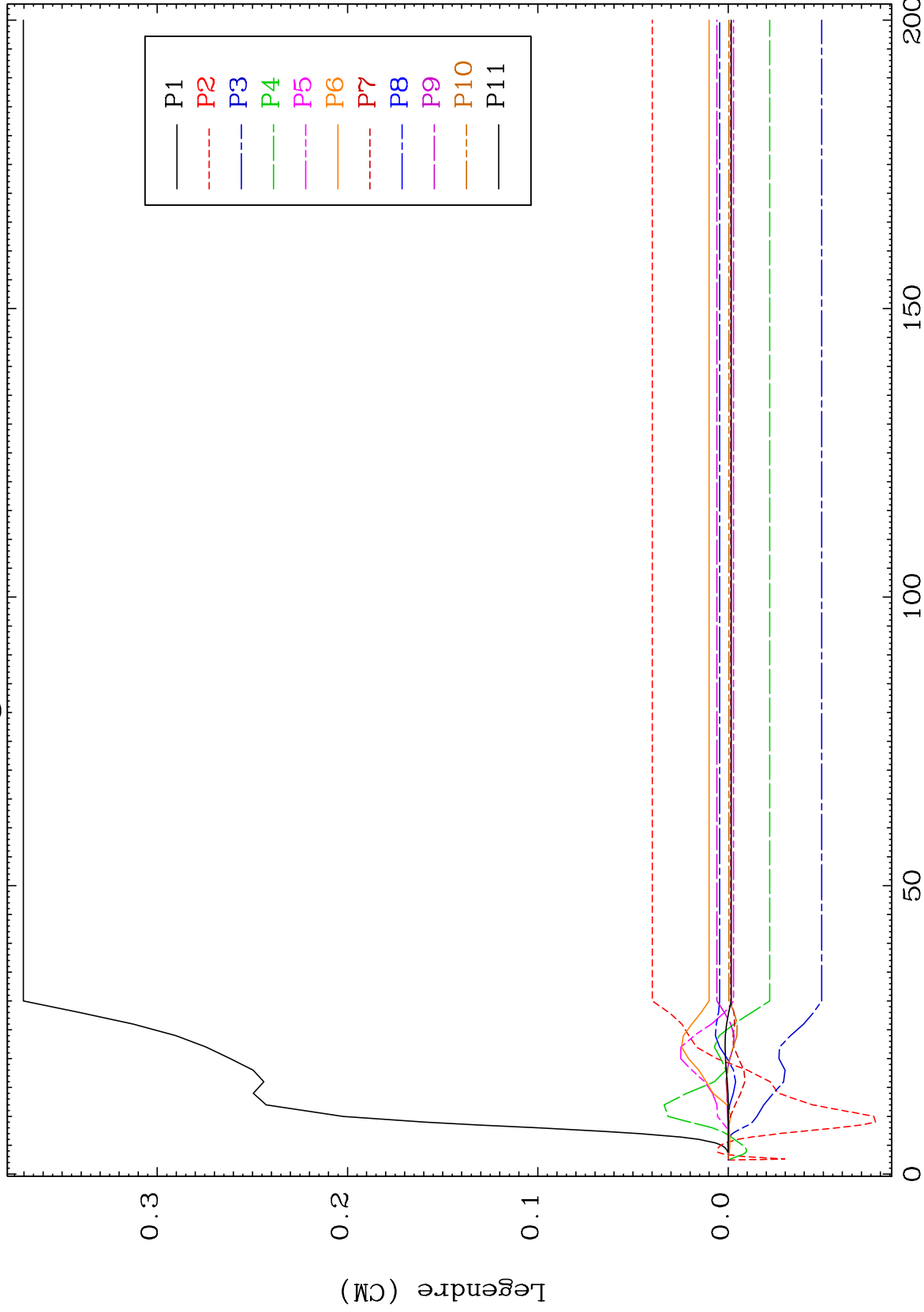
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36-Kr-80

MAT 3631

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

36-Kr-80



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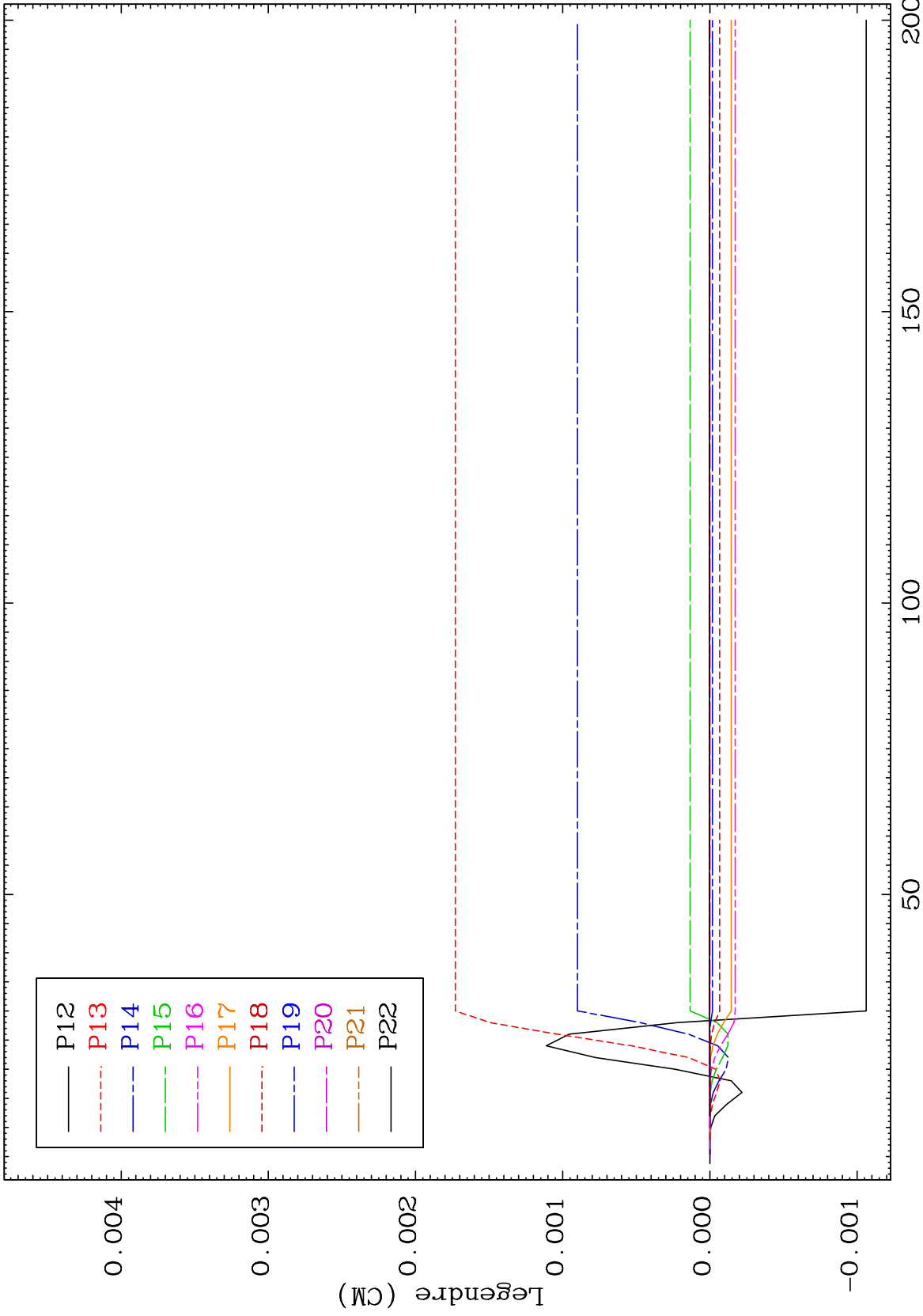
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



43

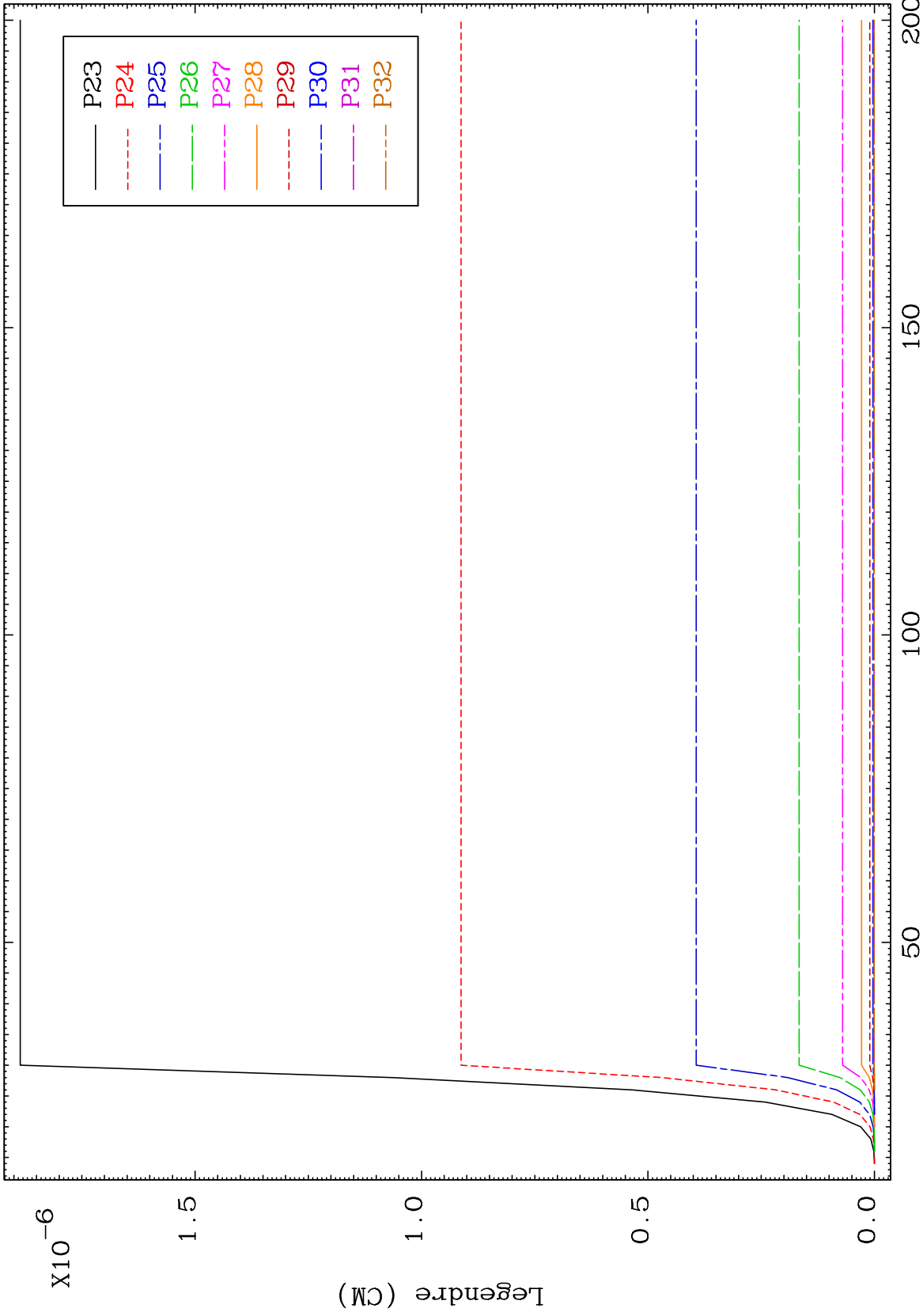
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



44

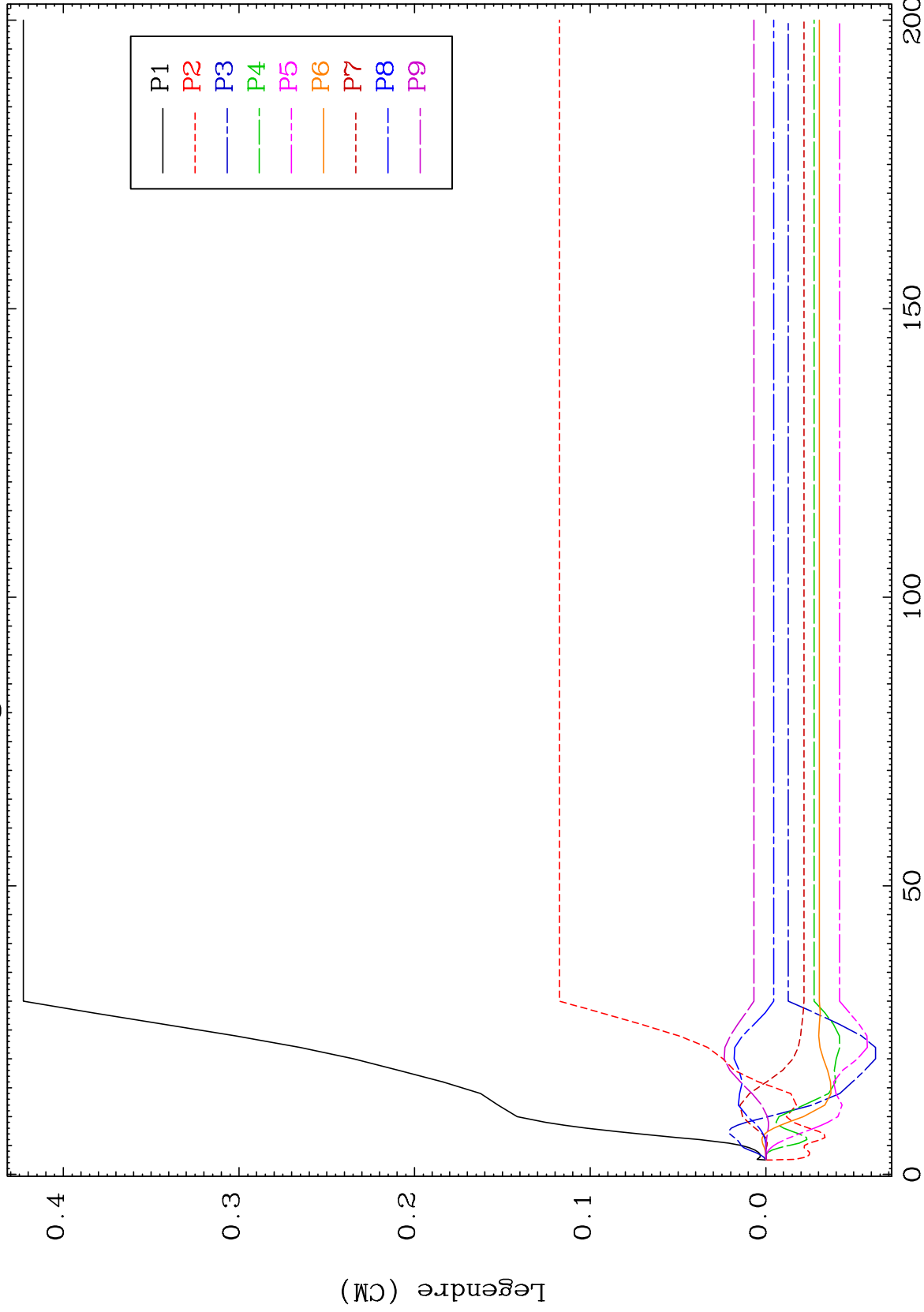
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80

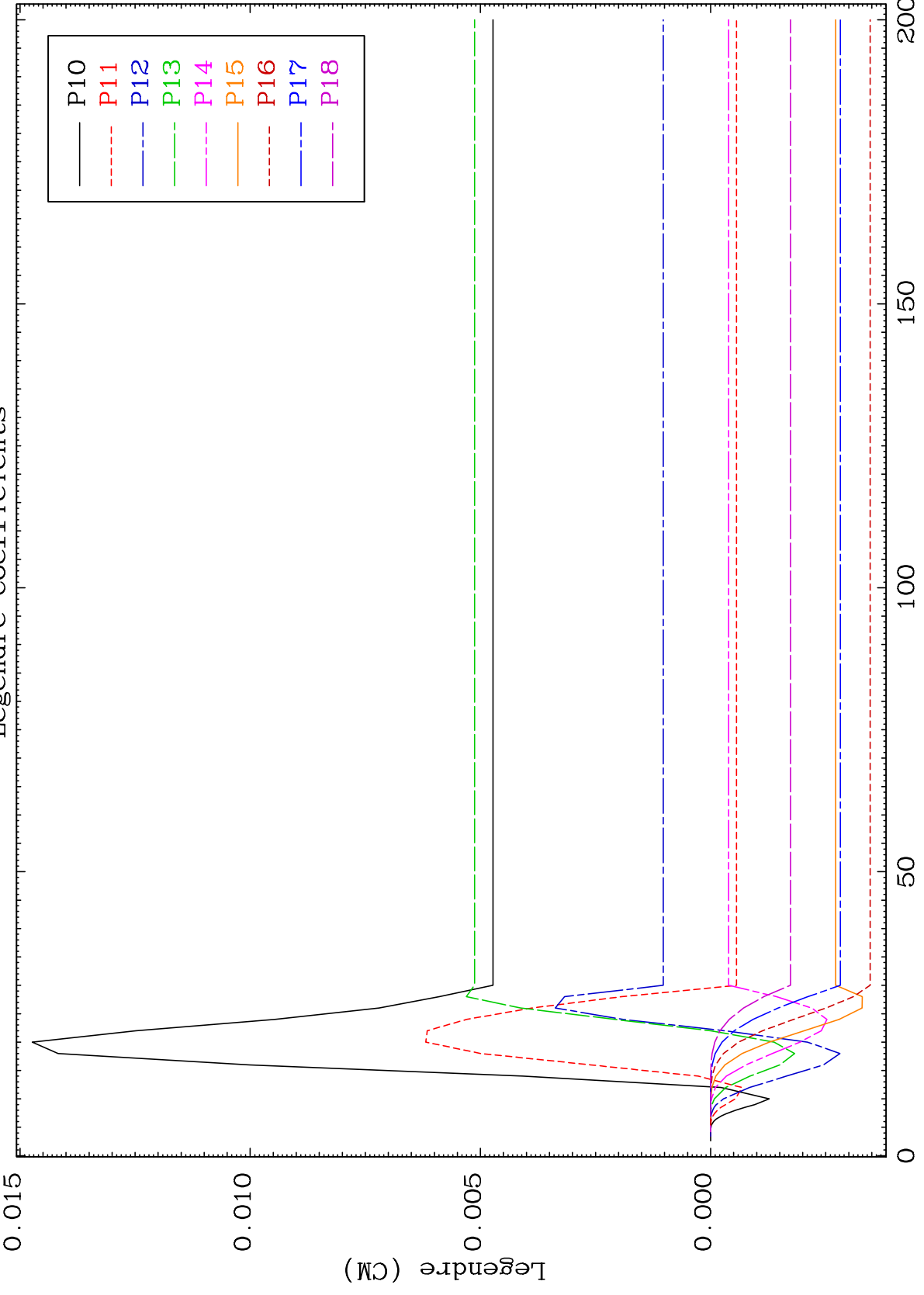


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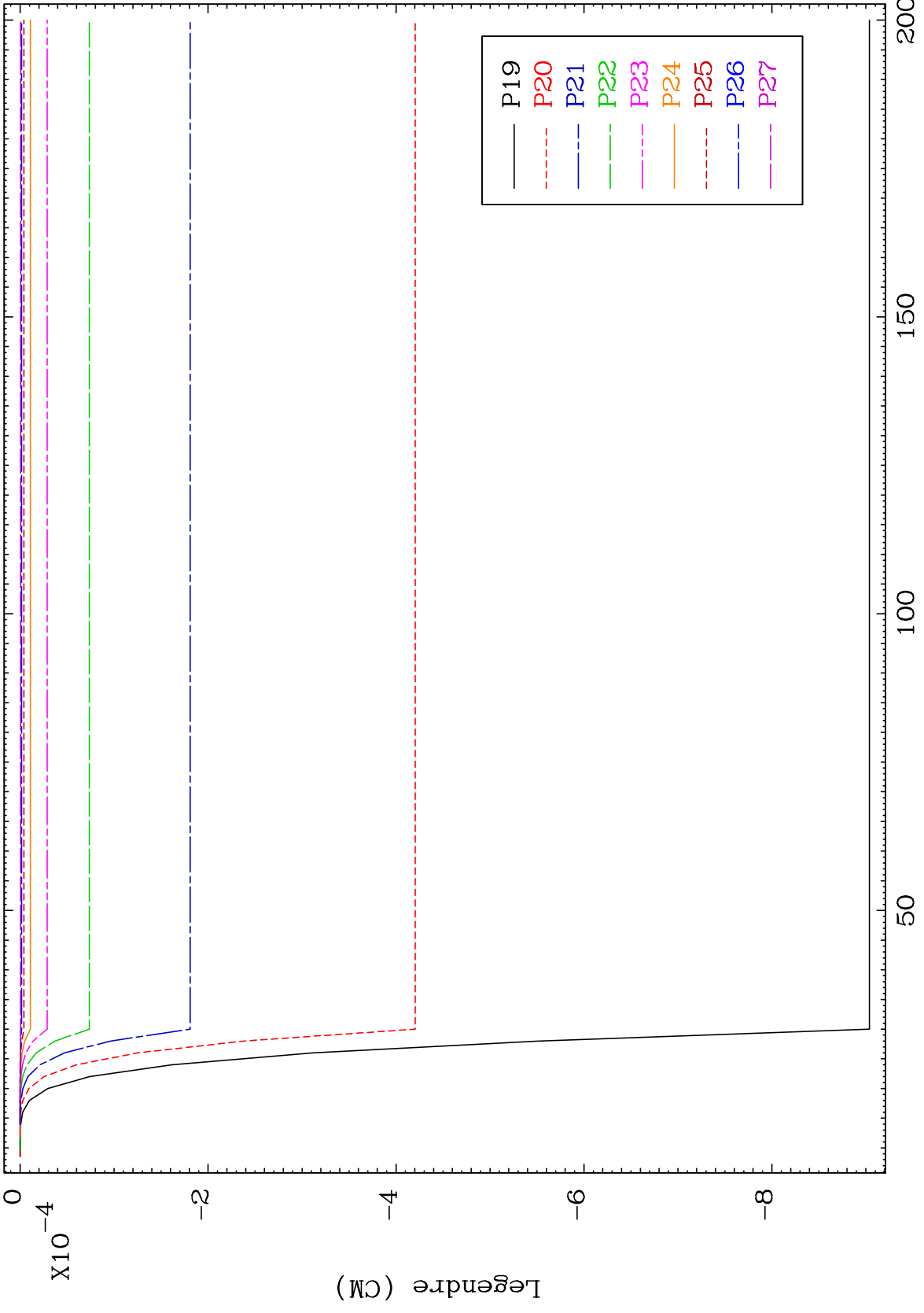
Incident Energy (MeV)

36-Kr-80

MAT 3631 MT= 58 (n,n') Level Legendre Coefficients 36-Kr-80

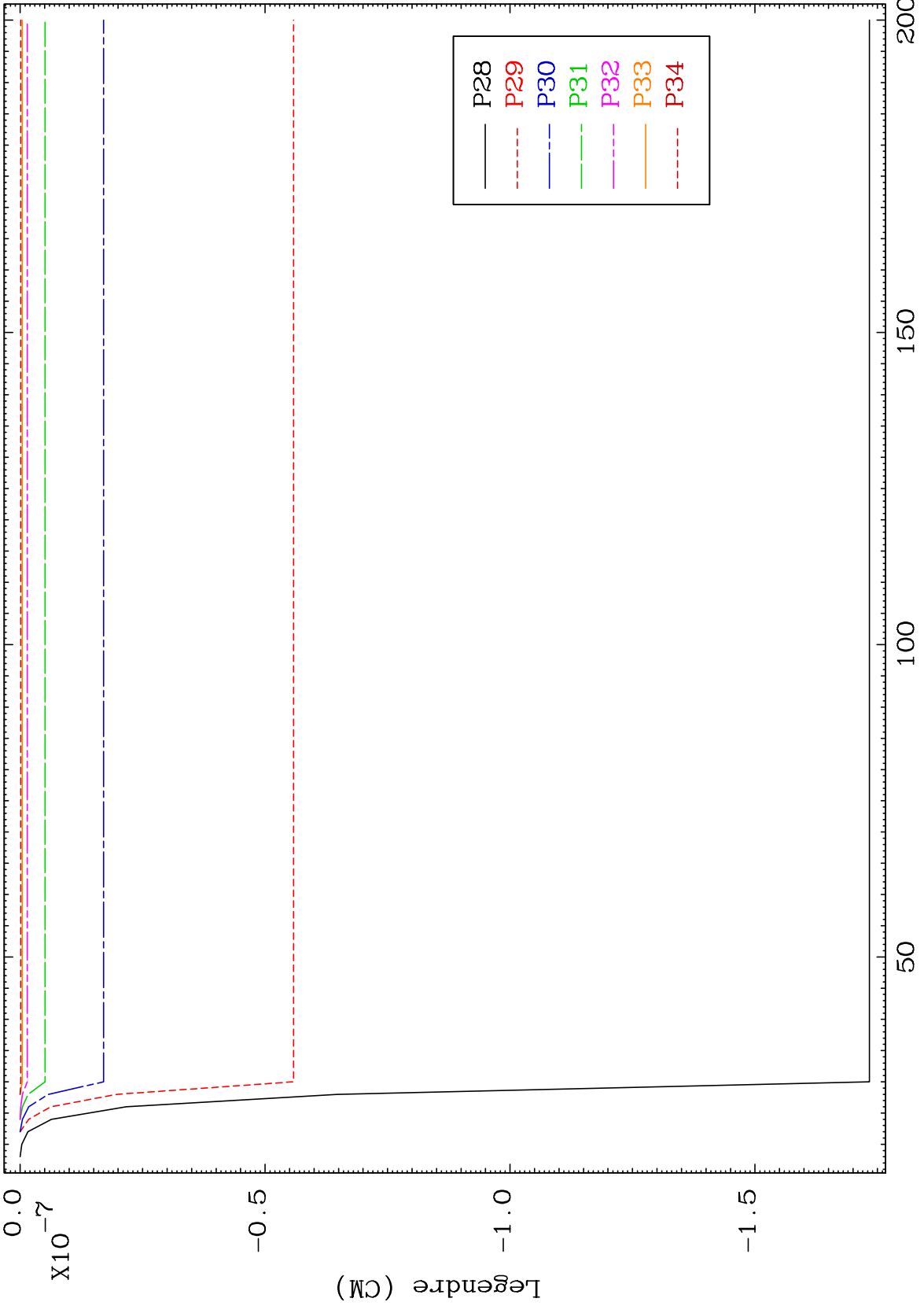


MAT 3631 MT= 58 (n,n') Level Legendre Coefficients 36-Kr-80



47 Incident Energy (MeV) 36-Kr-80

MAT 3631 MT= 58 (n,n') Level Legendre Coefficients 36-Kr-80

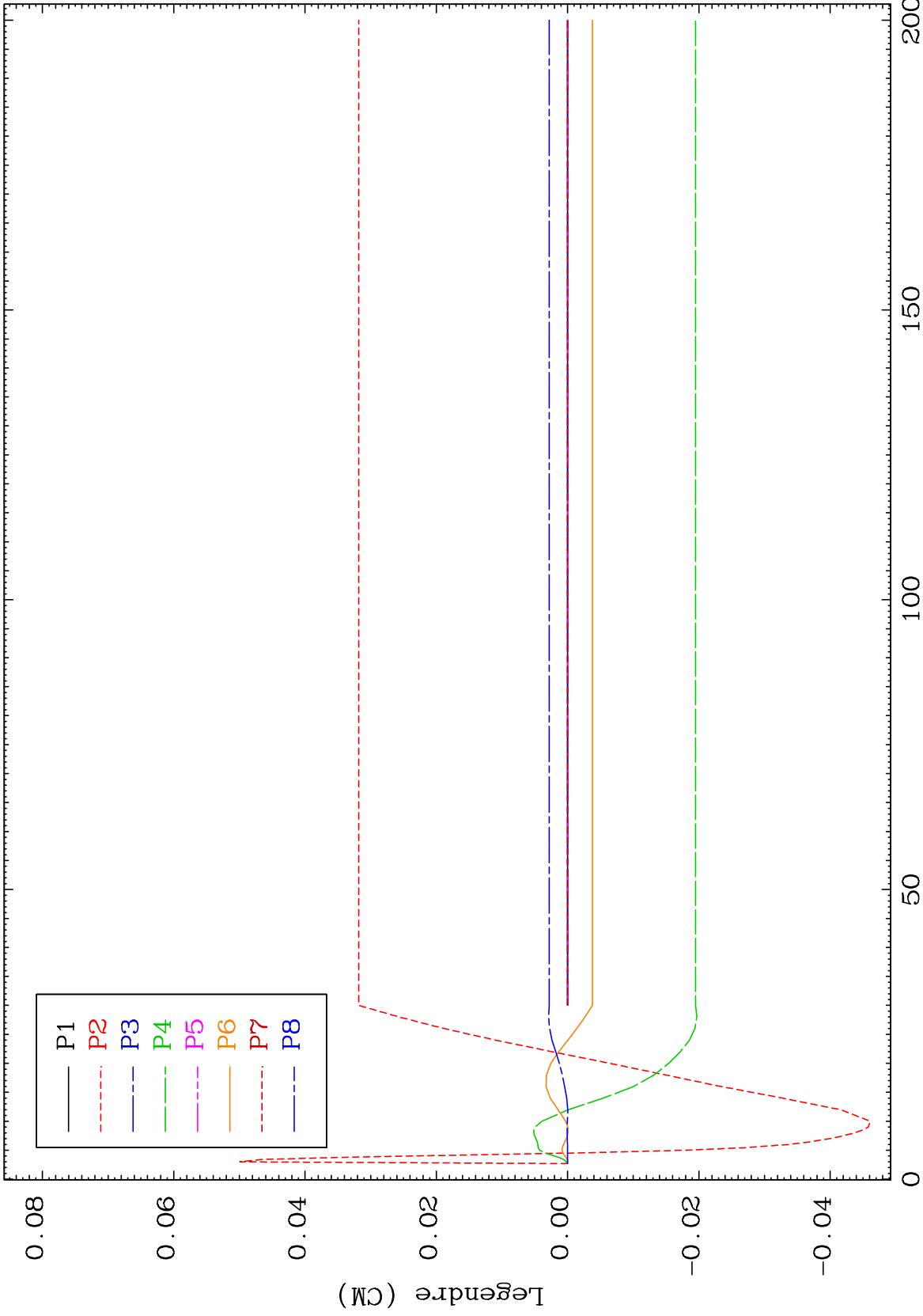


48 Incident Energy (MeV) 36-Kr-80

MAT 3631

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

36-Kr-80

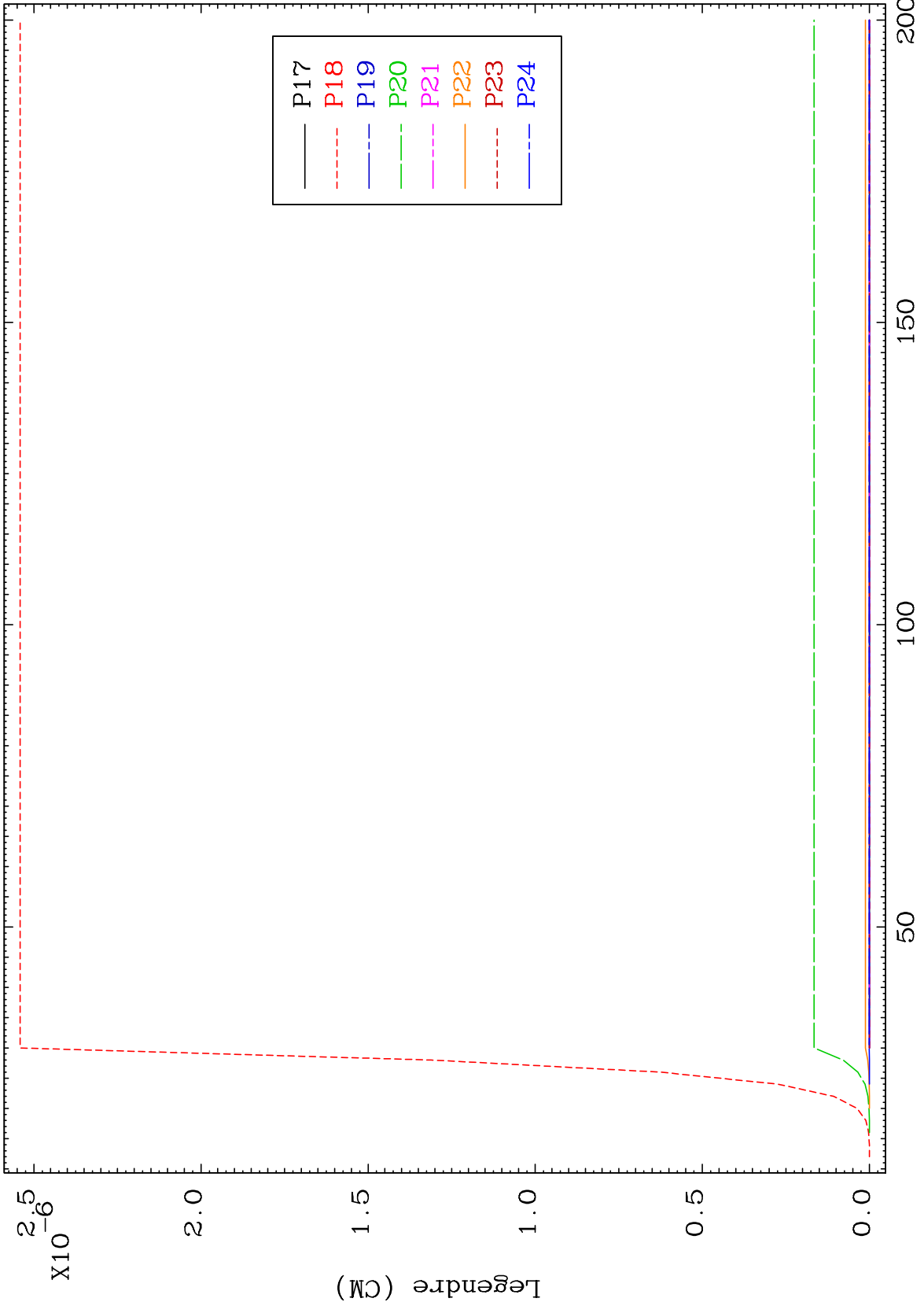


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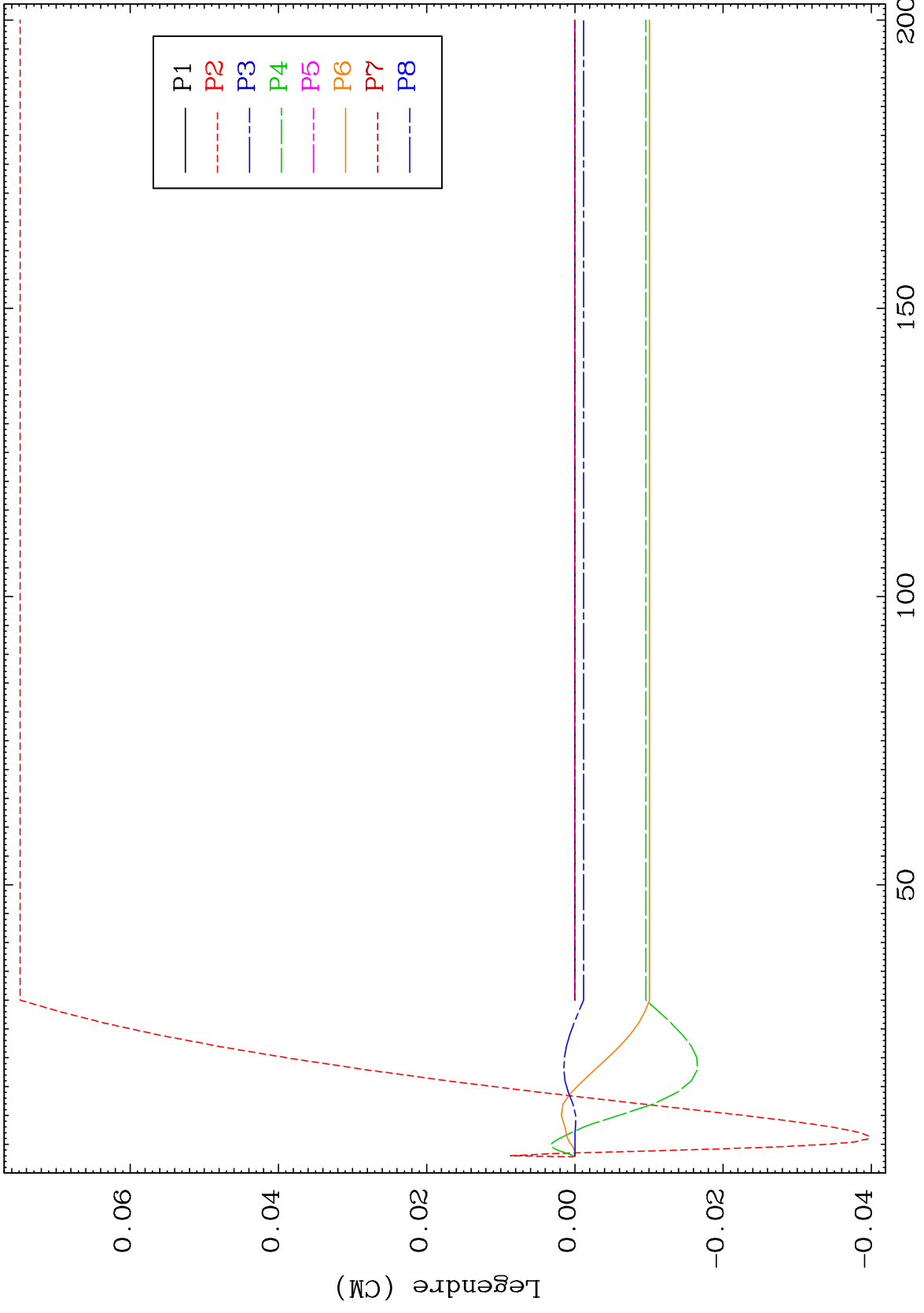
Incident Energy (MeV)

36-Kr-80

MAT 3631 MT= 59 (n,n') Level Legendre Coefficients 36-Kr-80

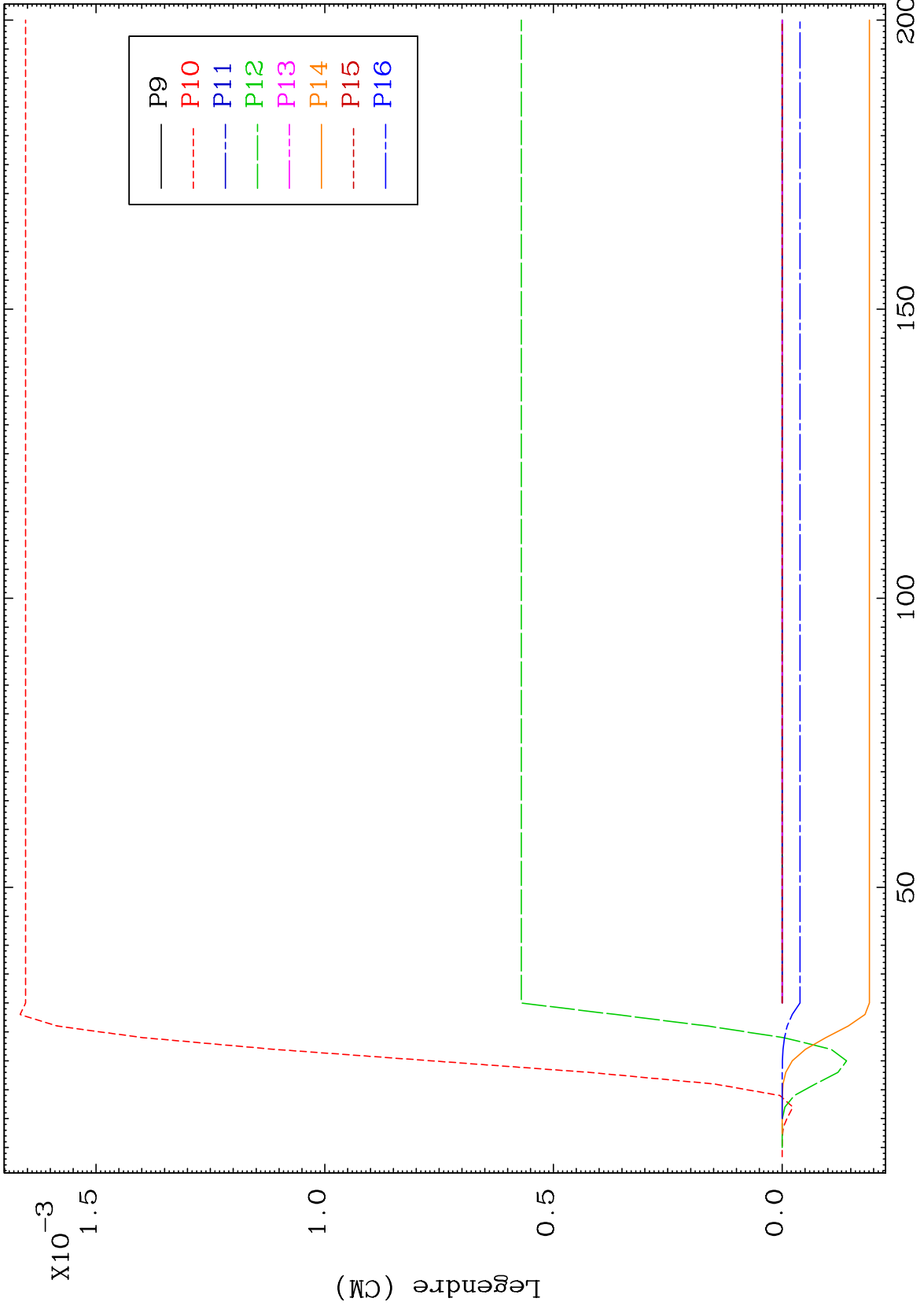


MAT 3631 MT= 60 (n,n') Level Legendre Coefficients 36-Kr-80

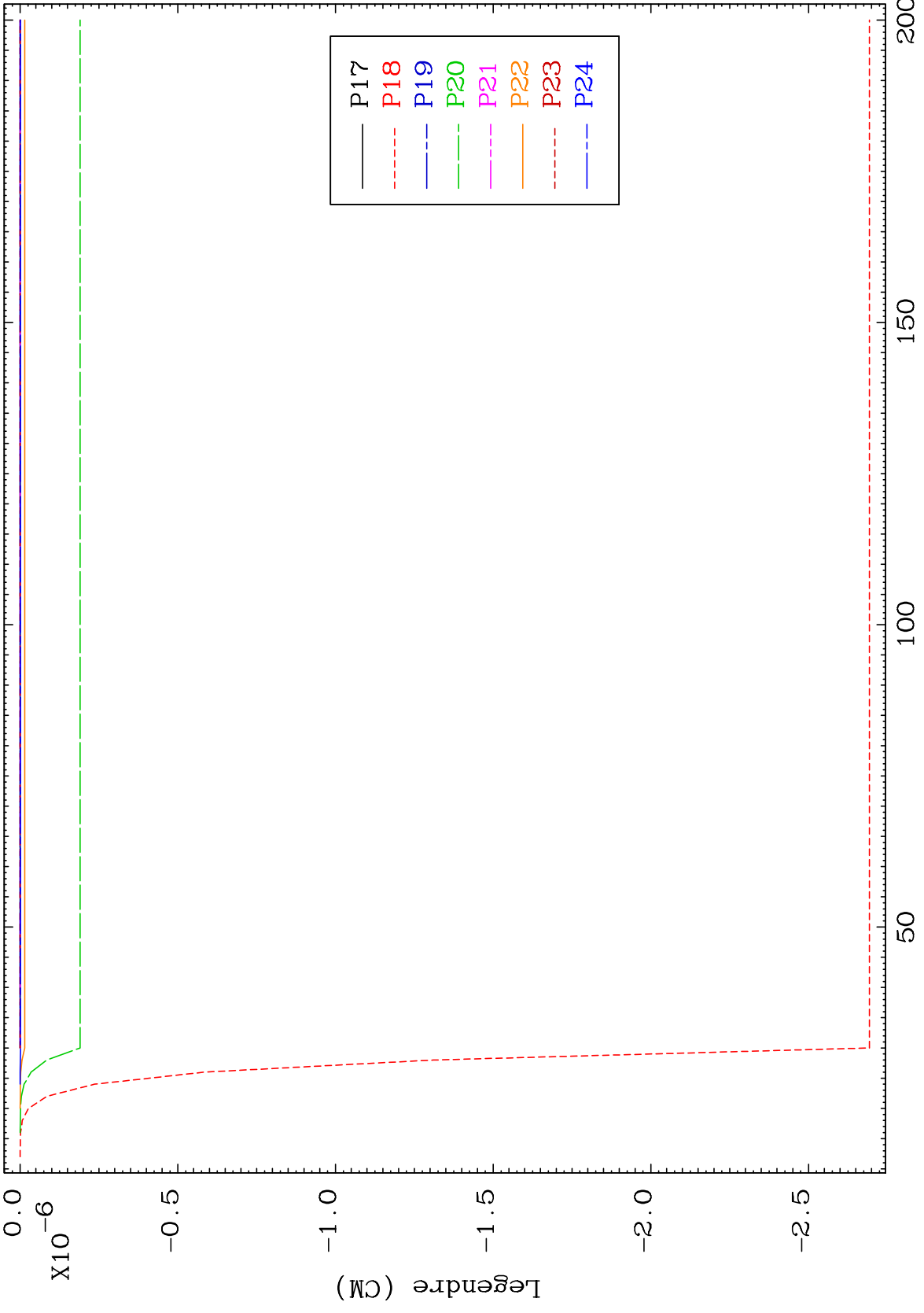


52 Incident Energy (MeV) 36-Kr-80

MAT 3631 MT= 60 (n,n') Level Legendre Coefficients 36-Kr-80



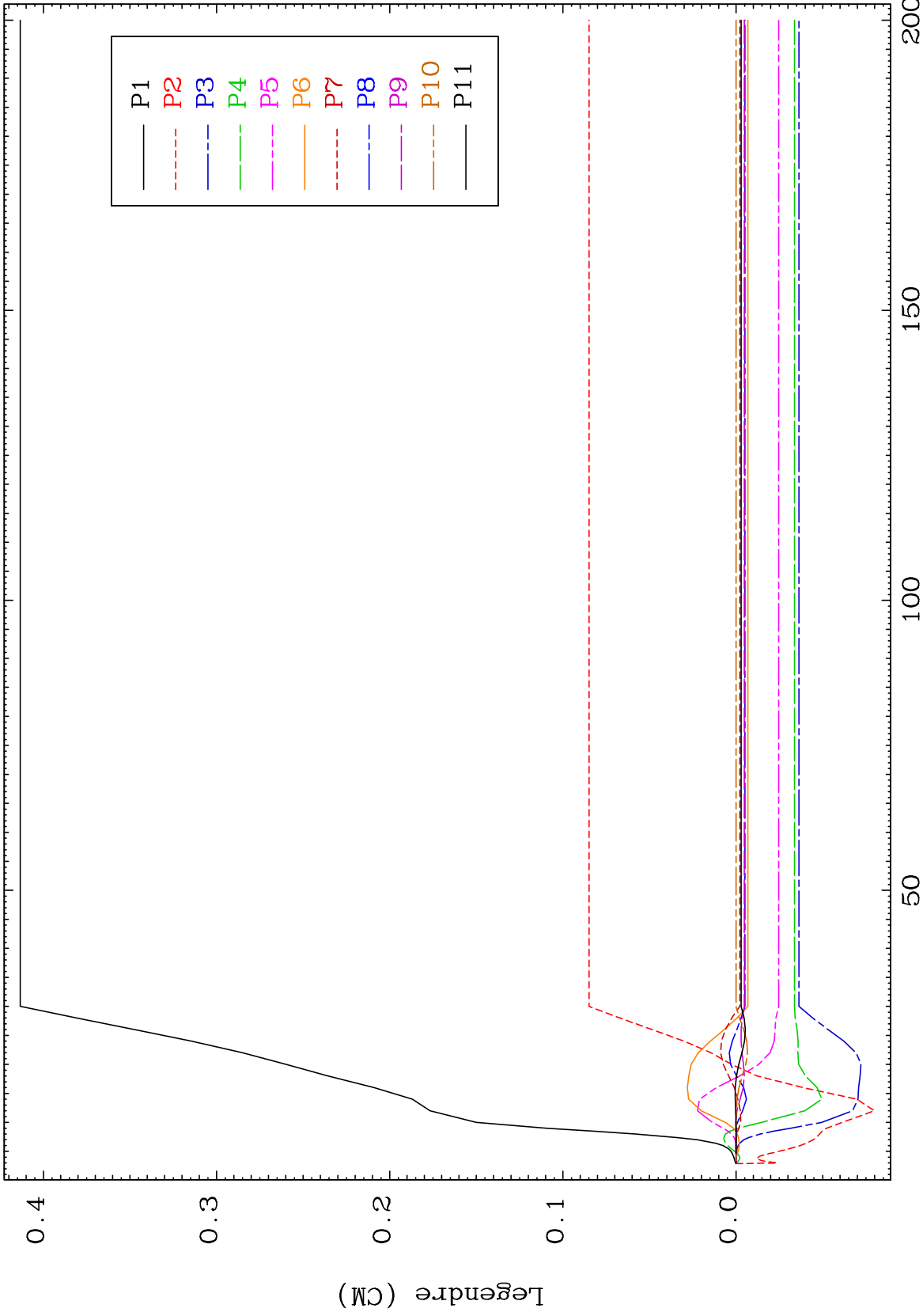
MAT 3631 MT= 60 (n,n') Level Legendre Coefficients 36-Kr-80



MAT 3631

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

36-Kr-80

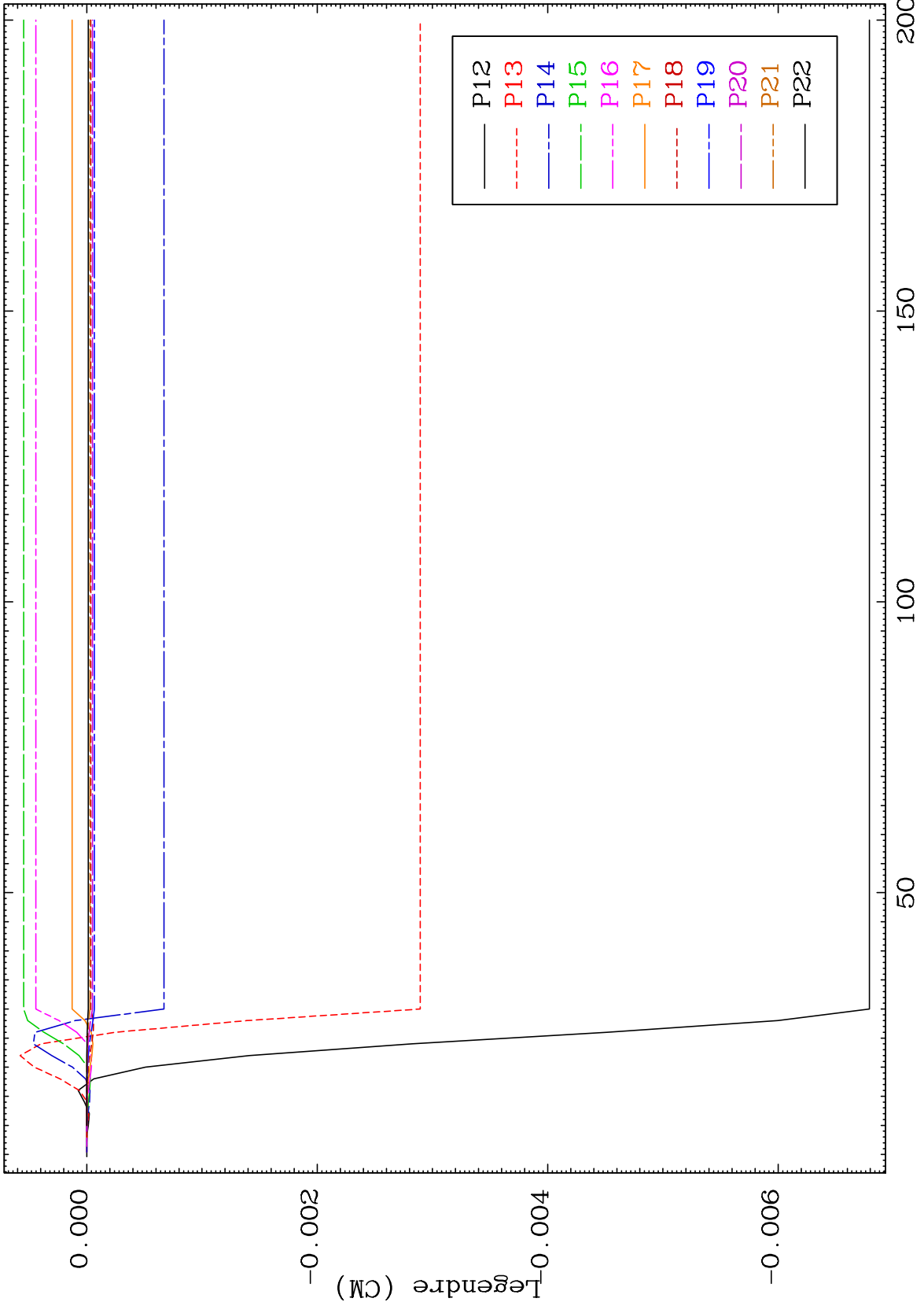


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Incident Energy (MeV)

36-Kr-80

MAT 3631 MT= 61 (n,n') Level Legendre Coefficients 36-Kr-80

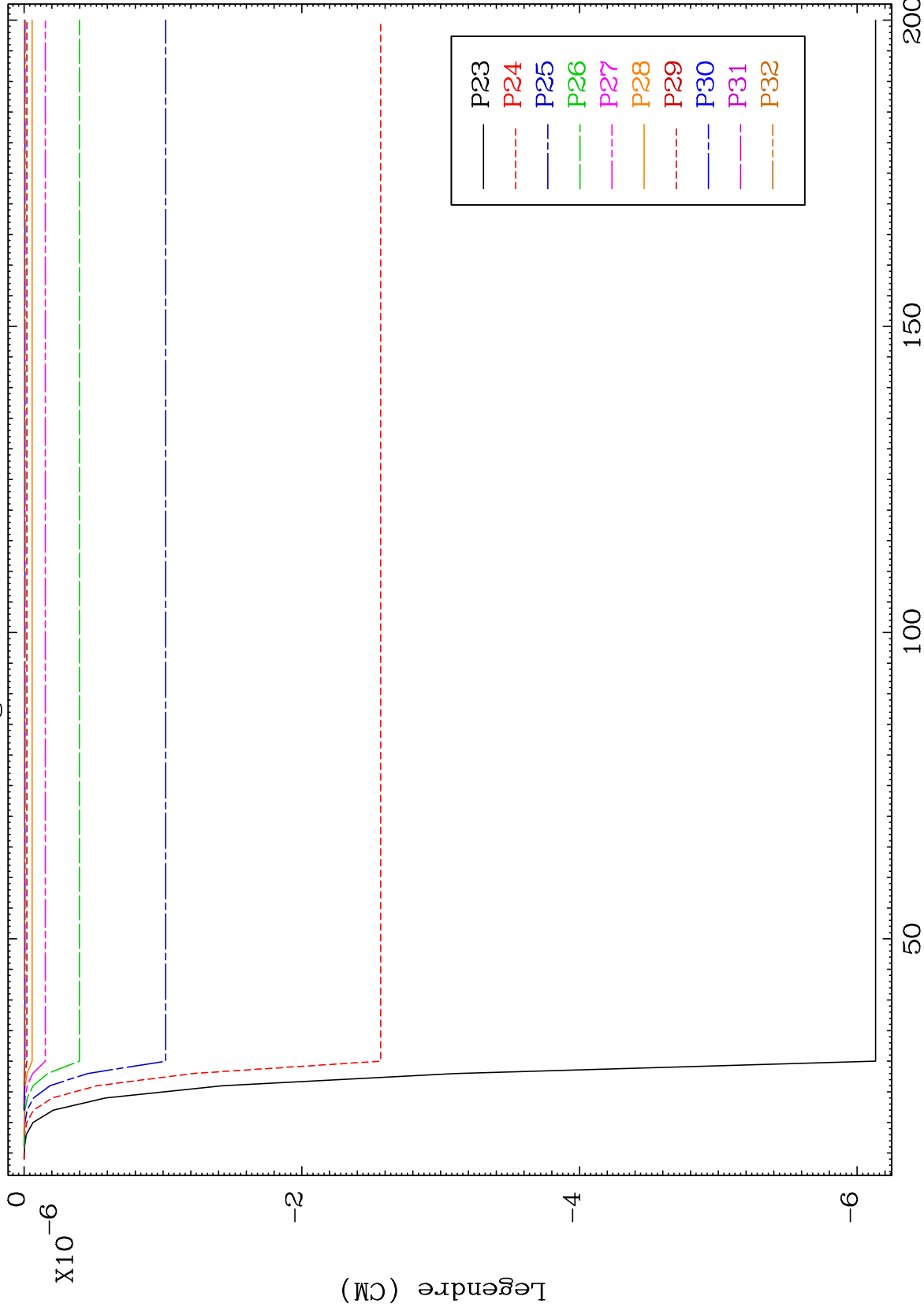


56 Incident Energy (MeV) 36-Kr-80

MAT 3631

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

36-Kr-80



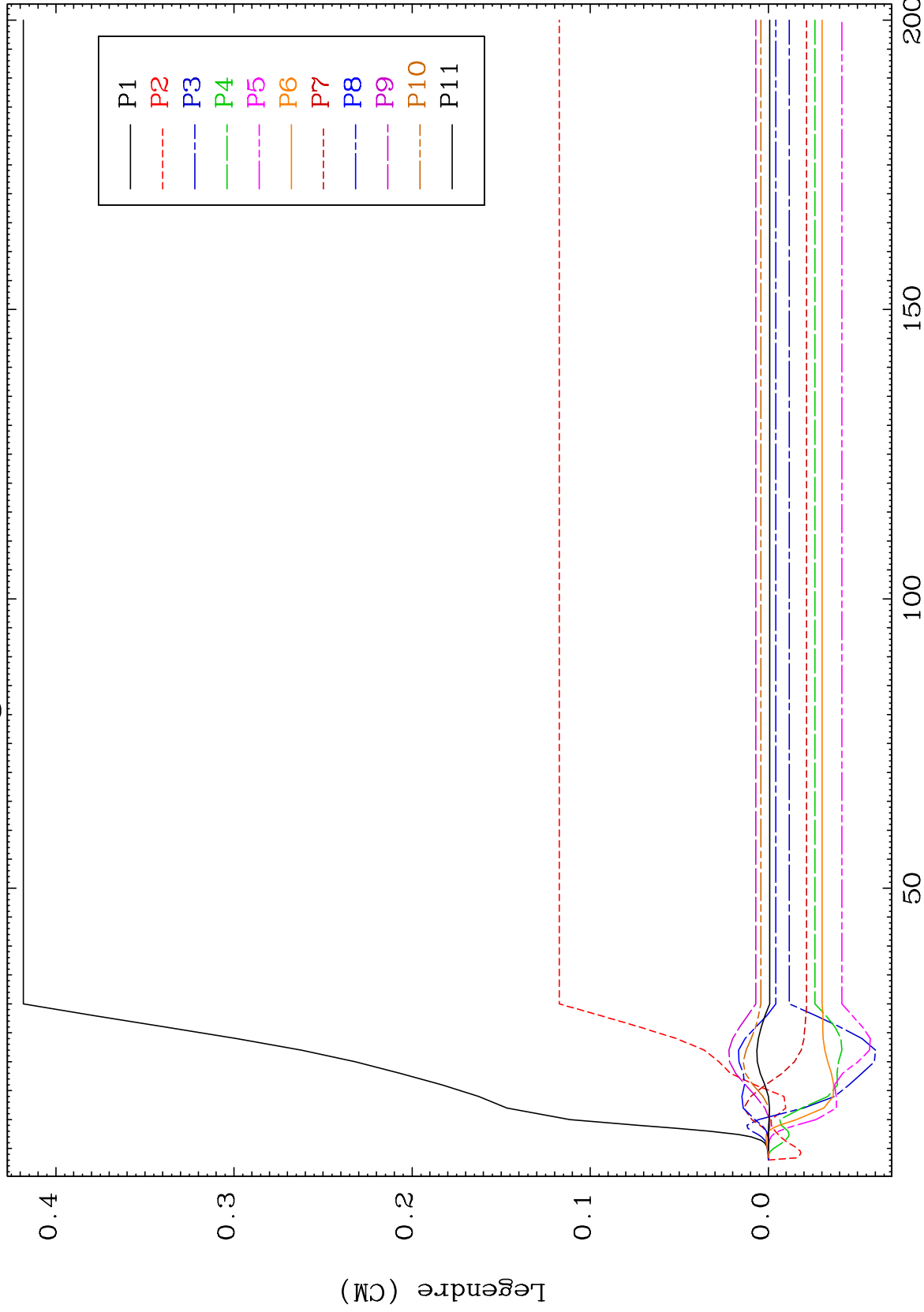
57

36-Kr-80

MAT 3631

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

36-Kr-80

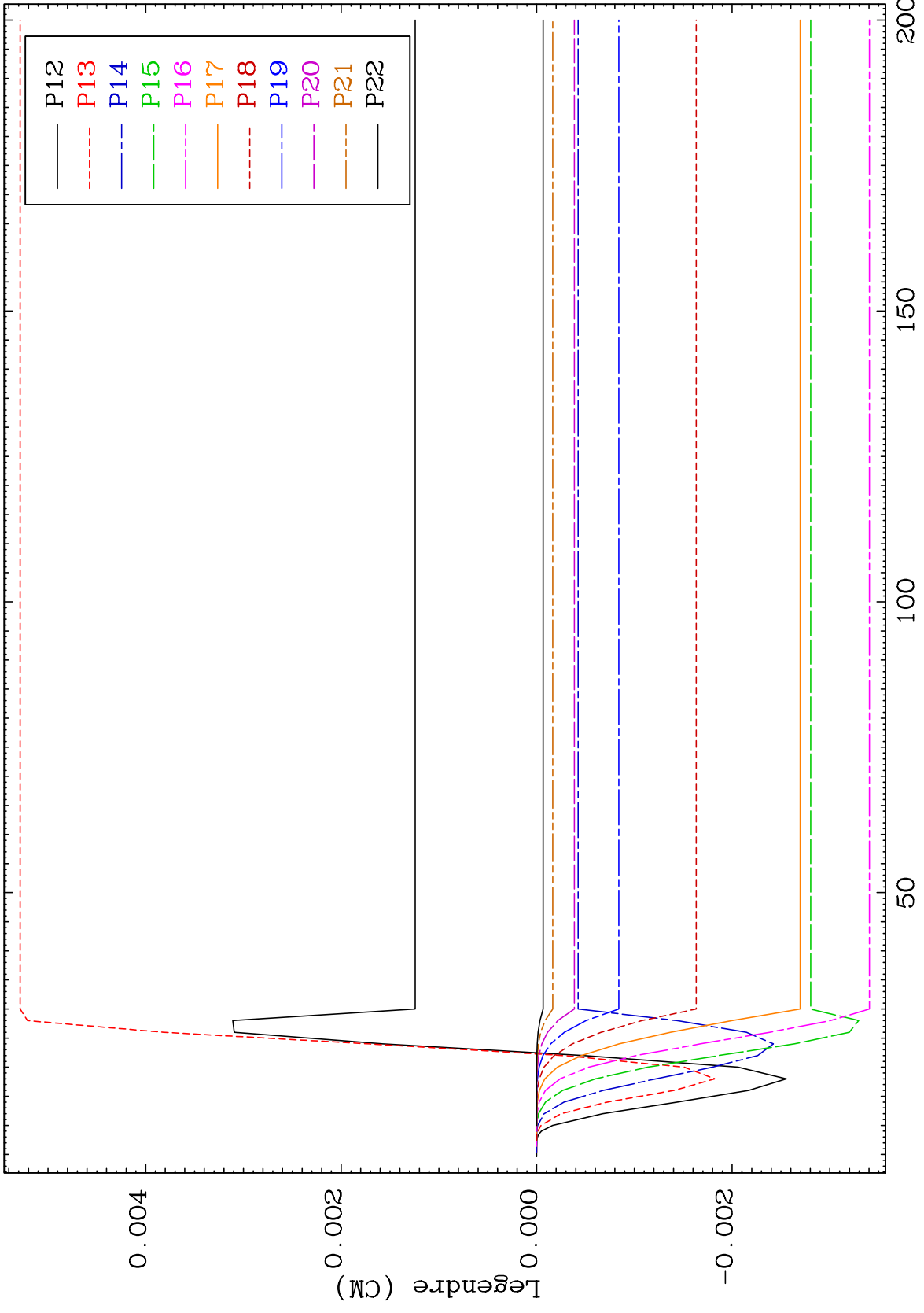


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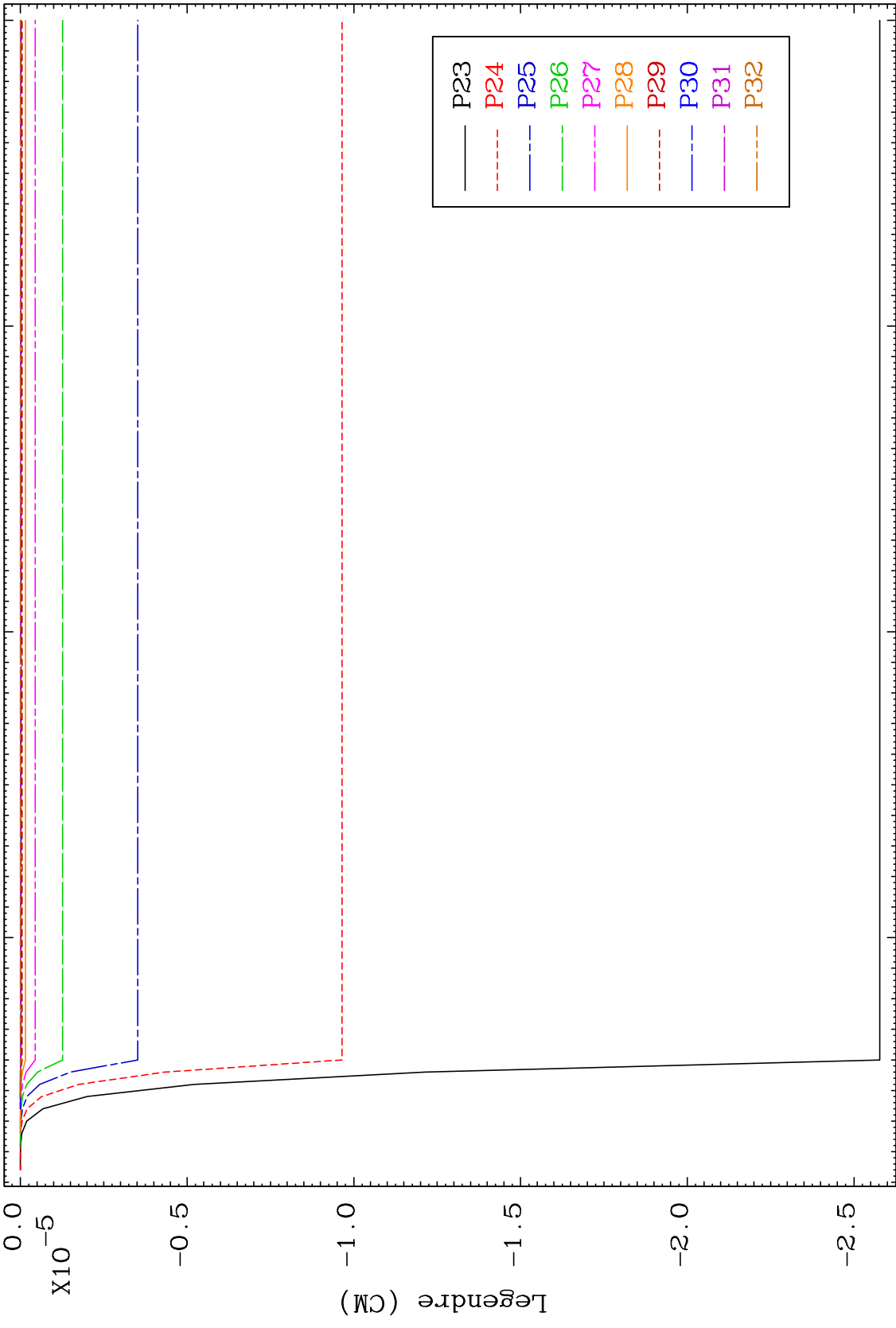
Incident Energy (MeV)

36-Kr-80

MAT 3631 MT= 62 (n,n') Level Legendre Coefficients 36-Kr-80



MAT 3631 MT= 62 (n,n') Level Legendre Coefficients 36-Kr-80

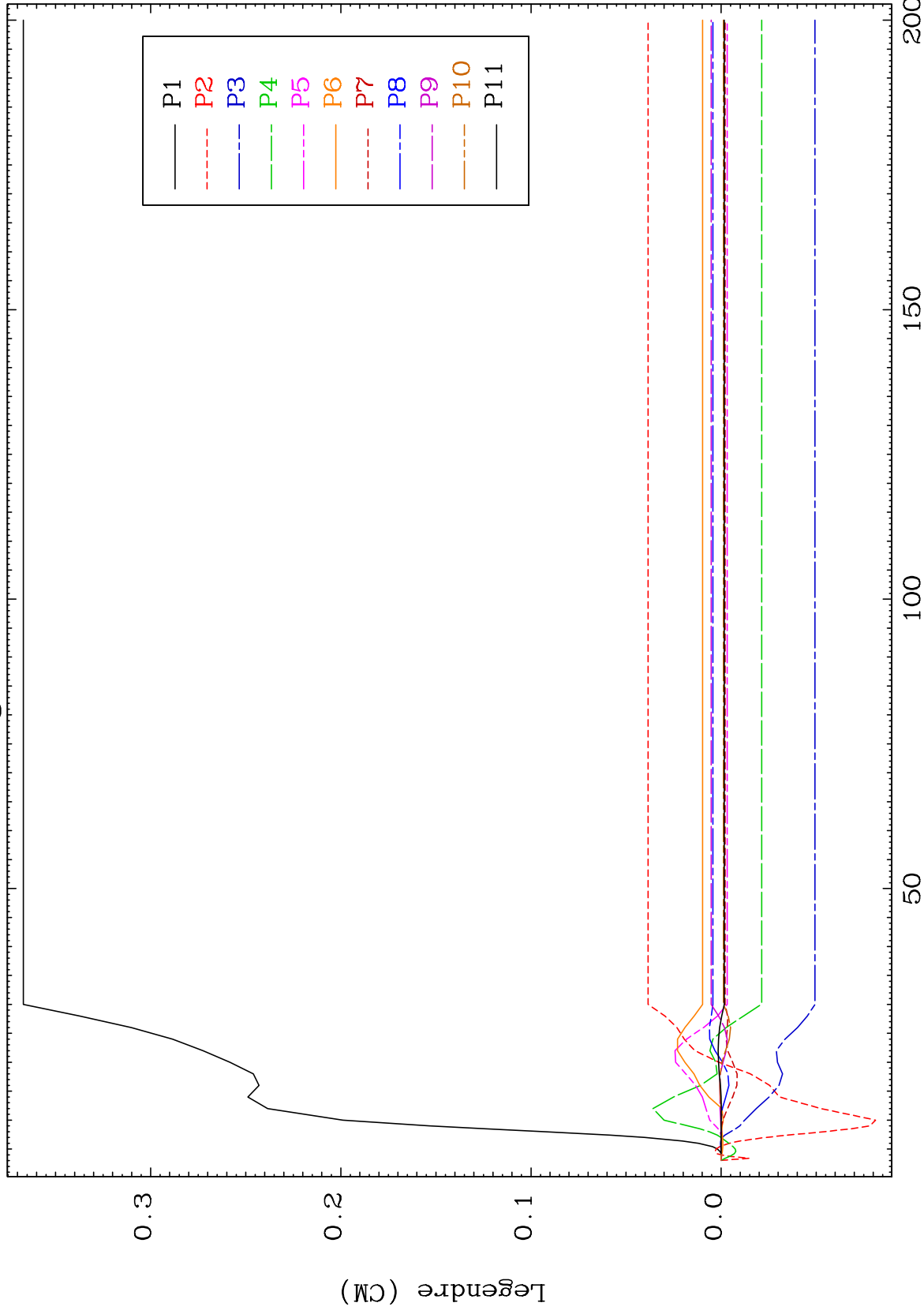


60 50 100 150 200 36-Kr-80

MAT 3631

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

36-Kr-80



61

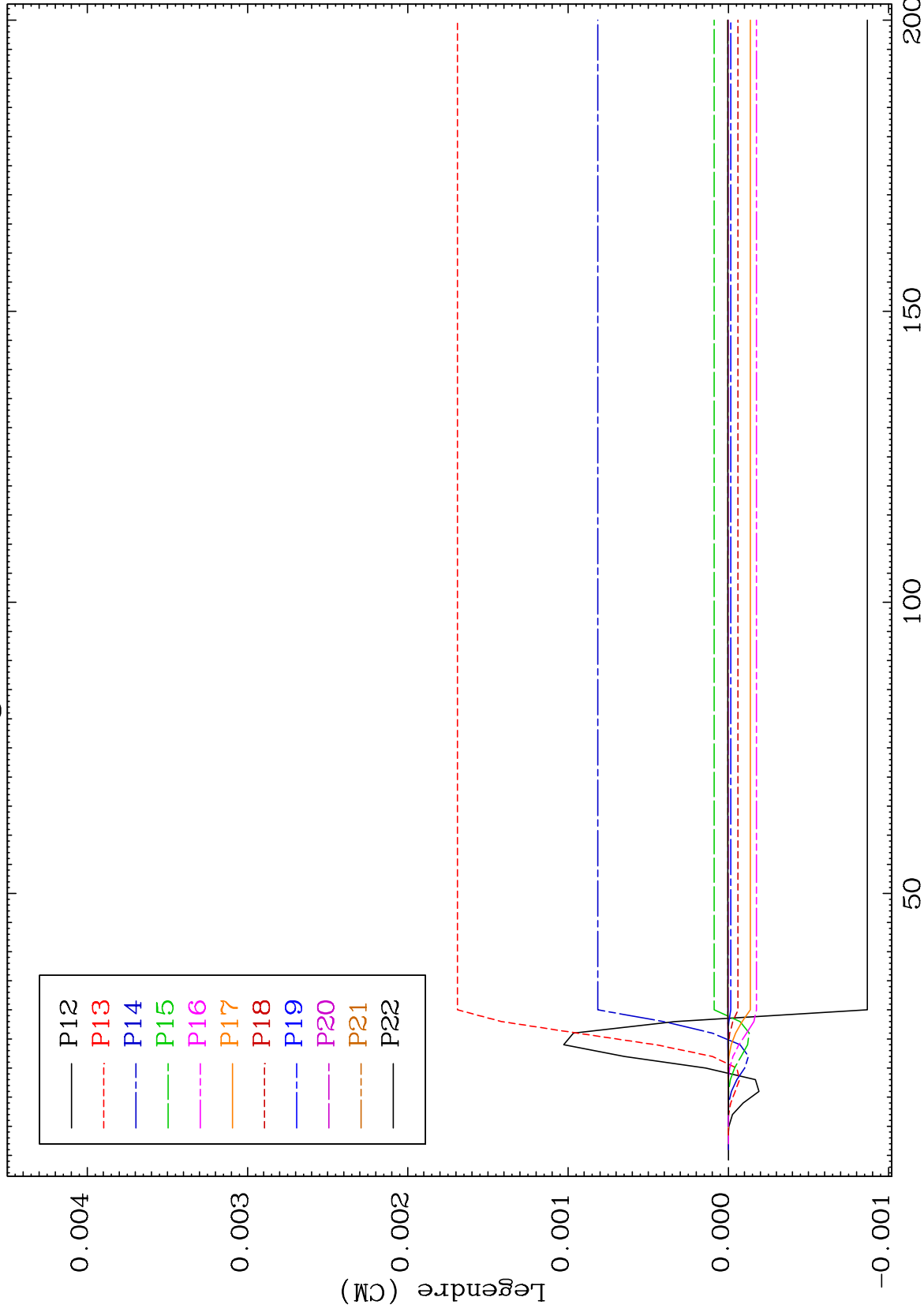
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



62

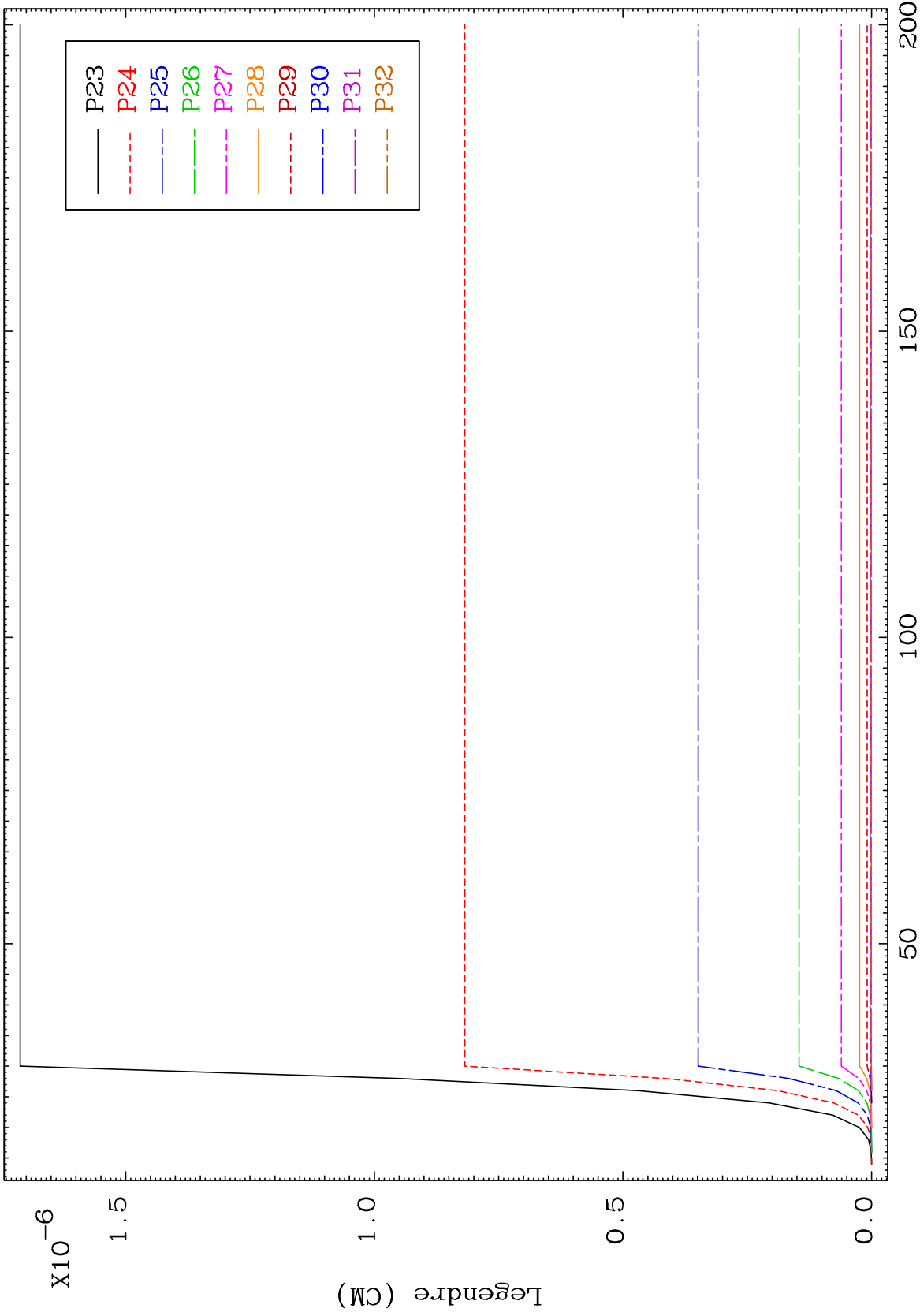
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80



63

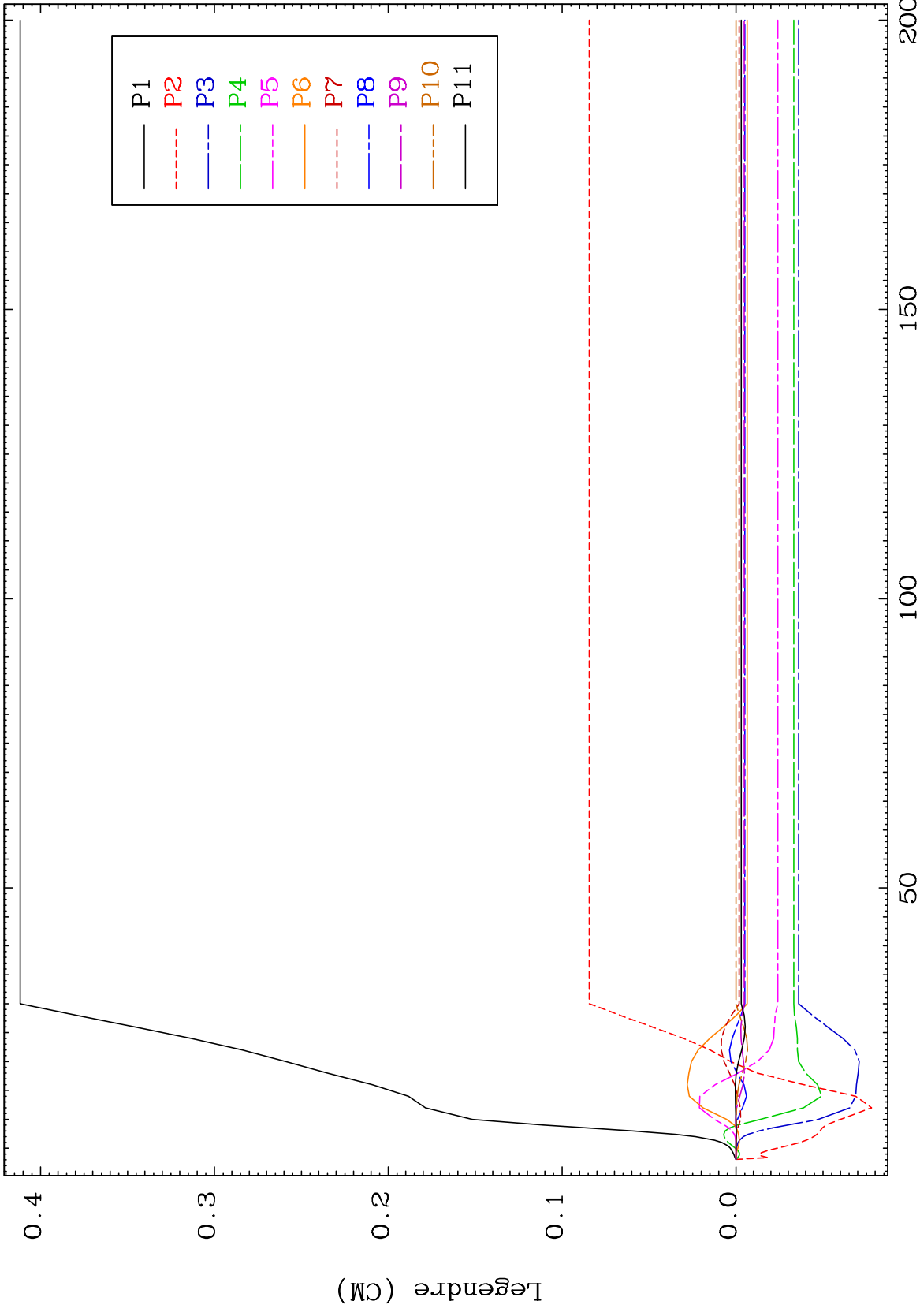
Incident Energy (MeV)

36-Kr-80

MAT 3631

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

36-Kr-80

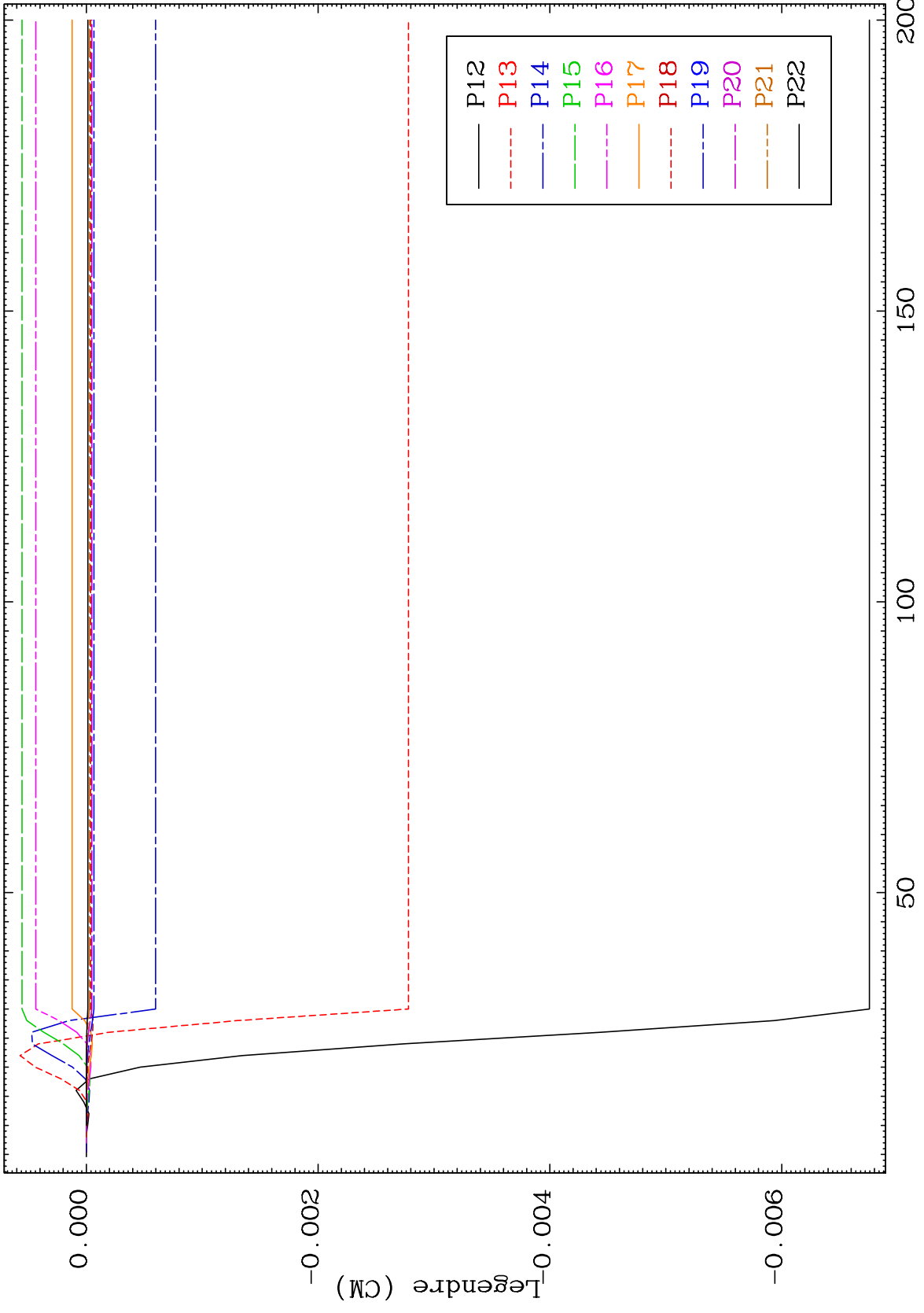


64

Incident Energy (MeV)

36-Kr-80

MAT 3631 MT= 64 (n,n') Level Legendre Coefficients 36-Kr-80

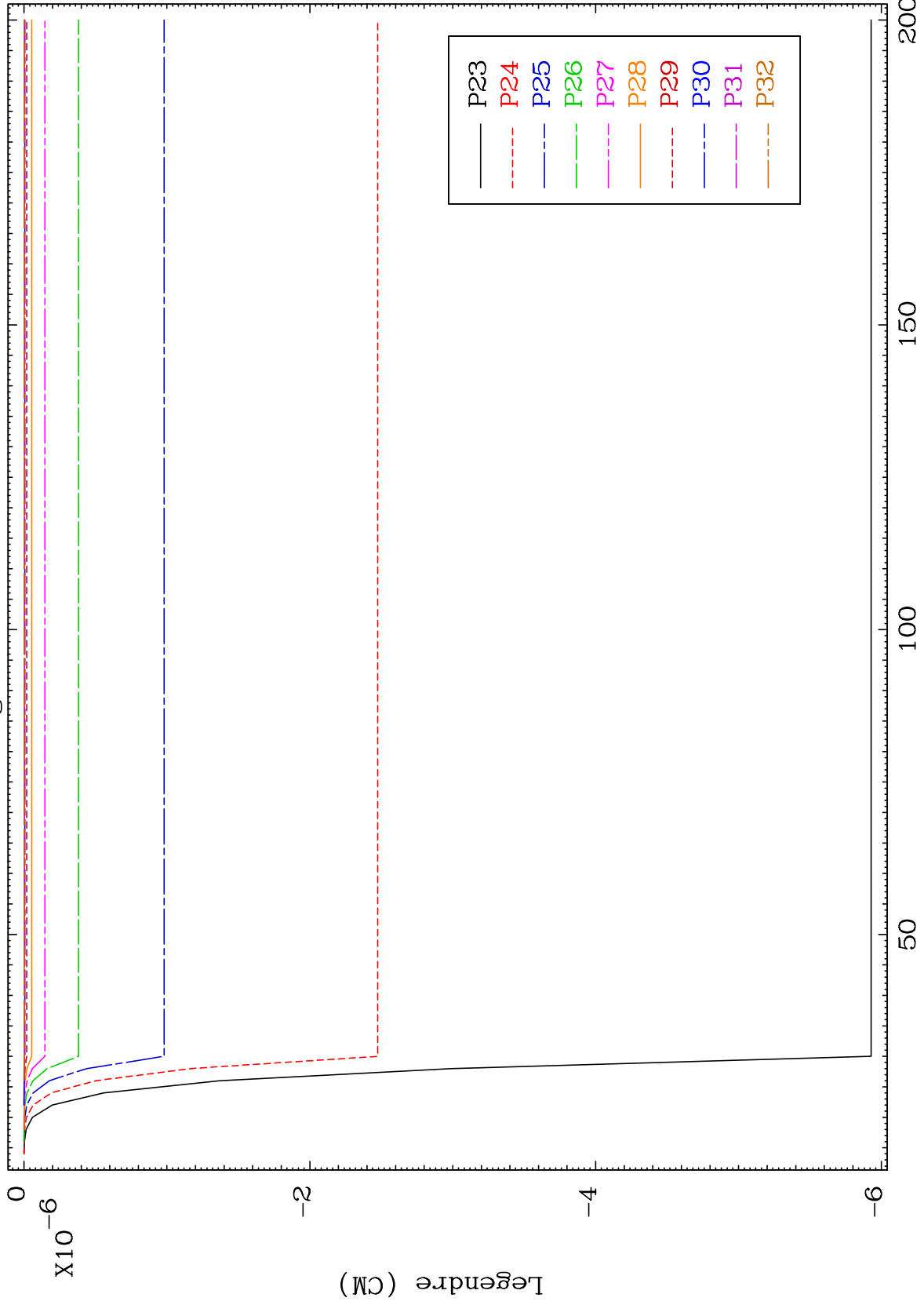


65 36-Kr-80

MAT 3631

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

36-Kr-80



66

Incident Energy (MeV)

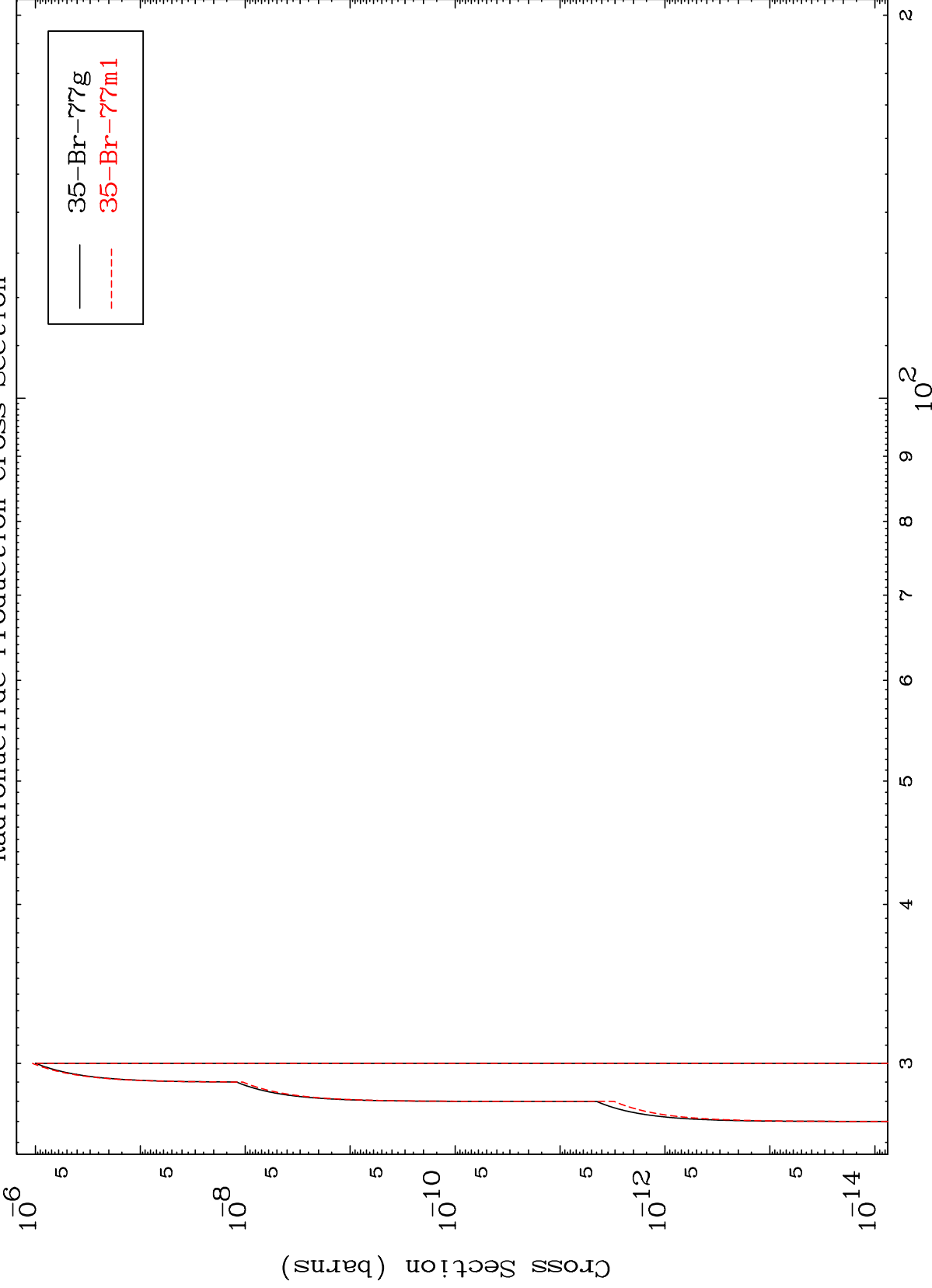
36-Kr-80

MAT 3631

(n,2n) d

36-Kr-80

Radionuclide Production Cross Section



35-Br-77g
35-Br-77m1

67

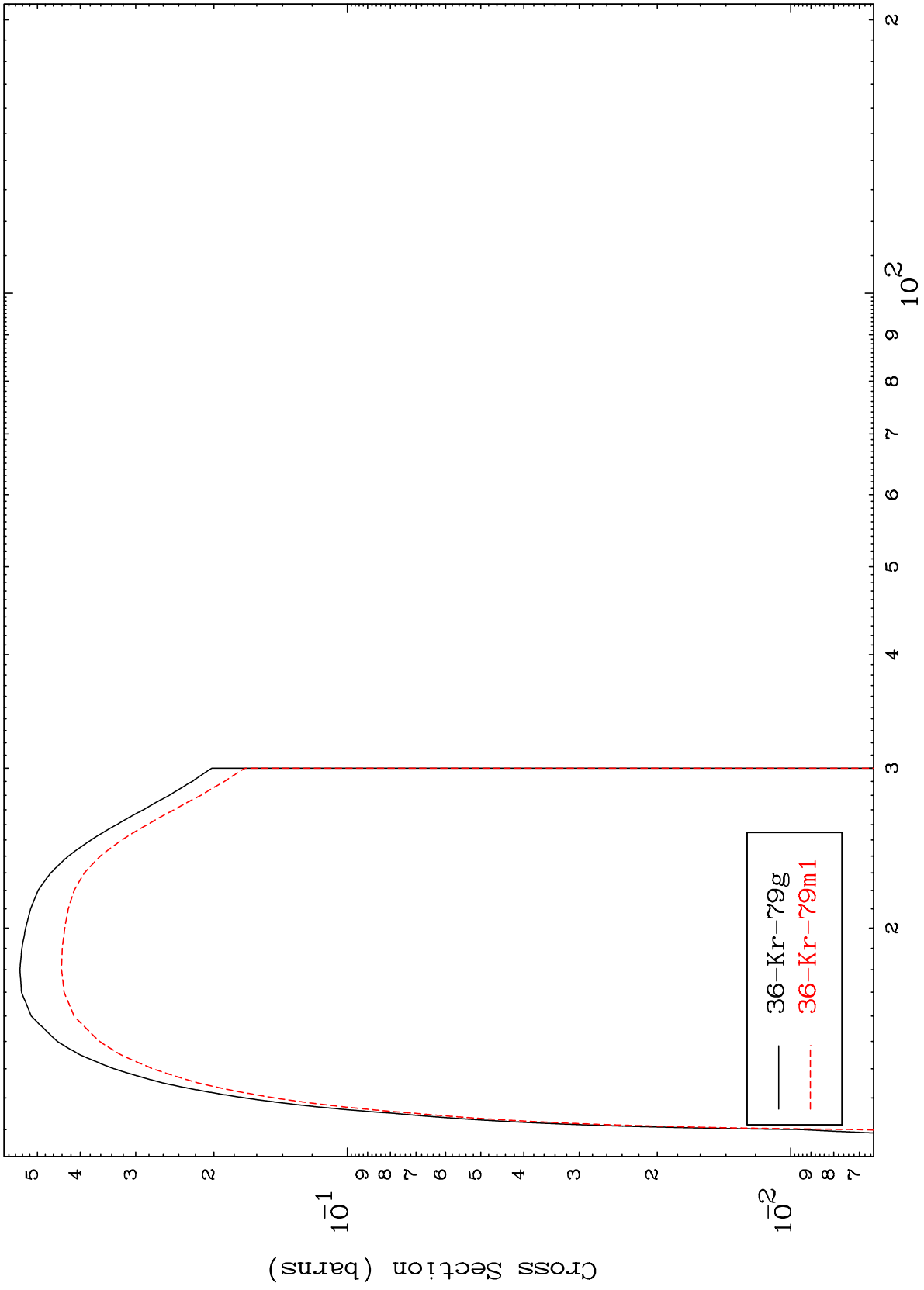
Incident Energy (MeV)

36-Kr-80

MAT 3631

³⁶Kr-80

Radionuclide Production Cross Section



68

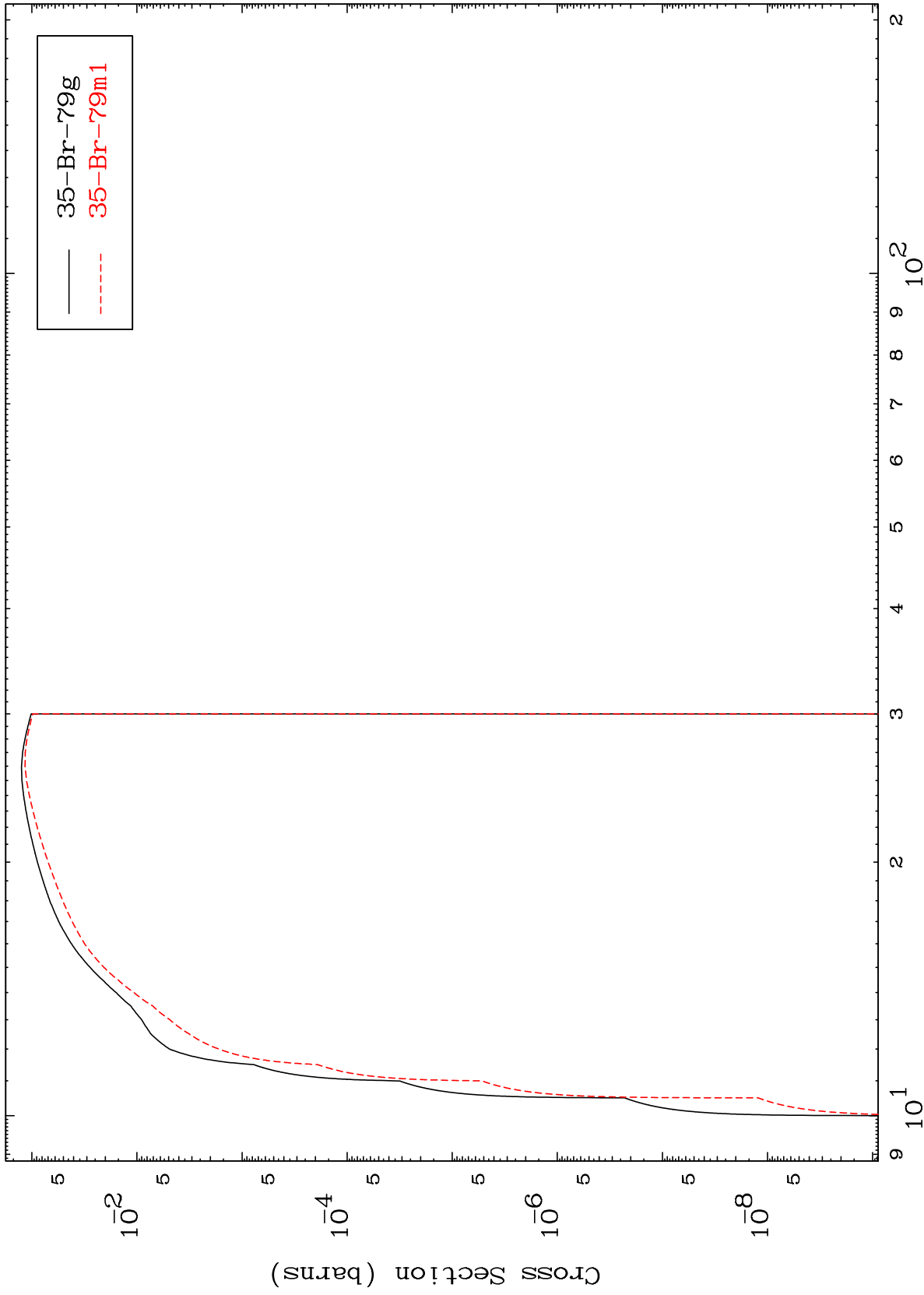
³⁶Kr-80

MAT 3631

(n,n') p

36-Kr-80

Radionuclide Production Cross Section



69

Incident Energy (MeV)

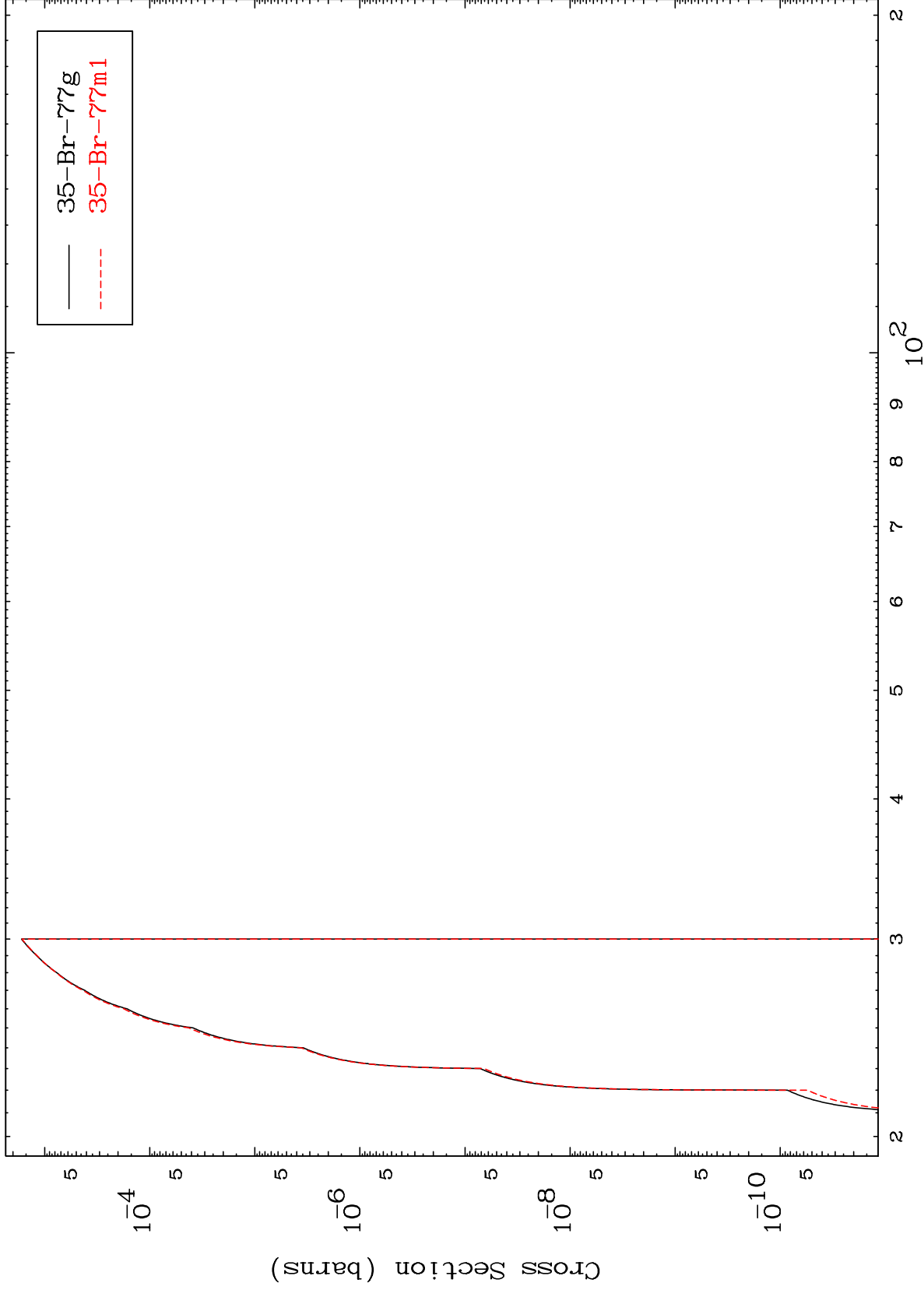
36-Kr-80

MAT 3631

(n,n') t

36-Kr-80

Radionuclide Production Cross Section



70

Incident Energy (MeV)

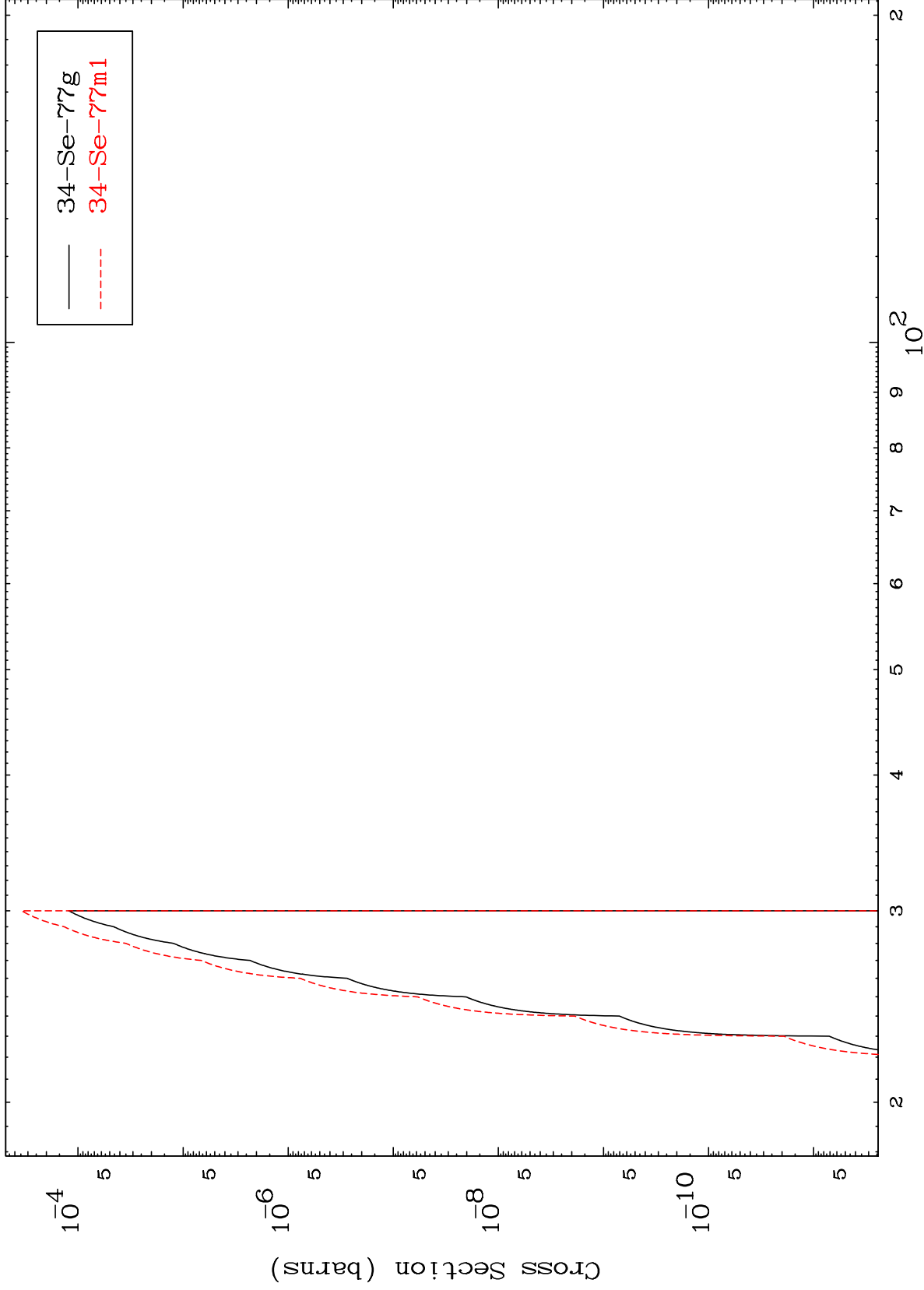
36-Kr-80

MAT 3631

(n, n') He-3

36-Kr-80

Radionuclide Production Cross Section



71

Incident Energy (MeV)

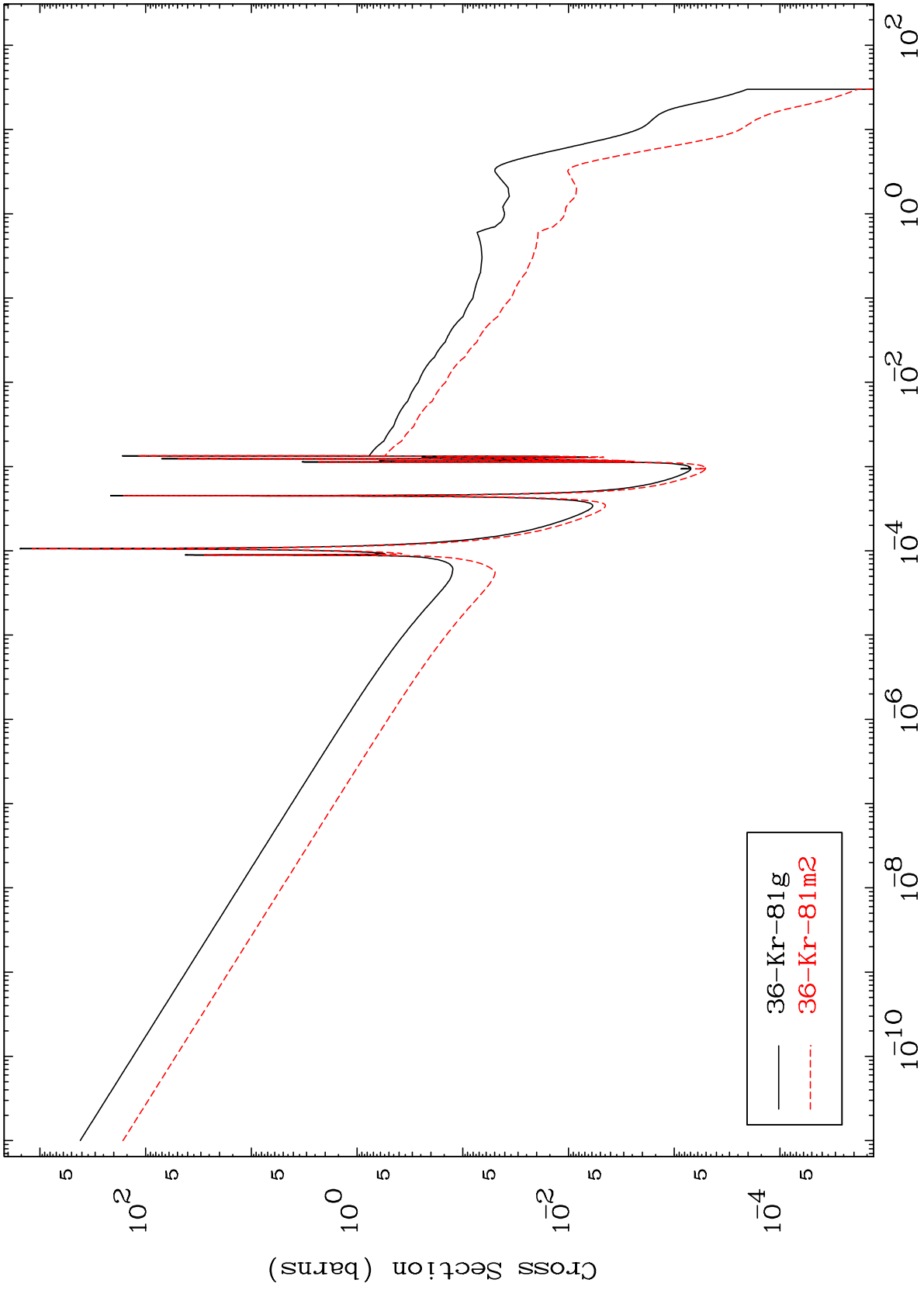
36-Kr-80

MAT 3631

³⁶Kr-80

Radionuclide Production Cross Section

(n,γ)



72

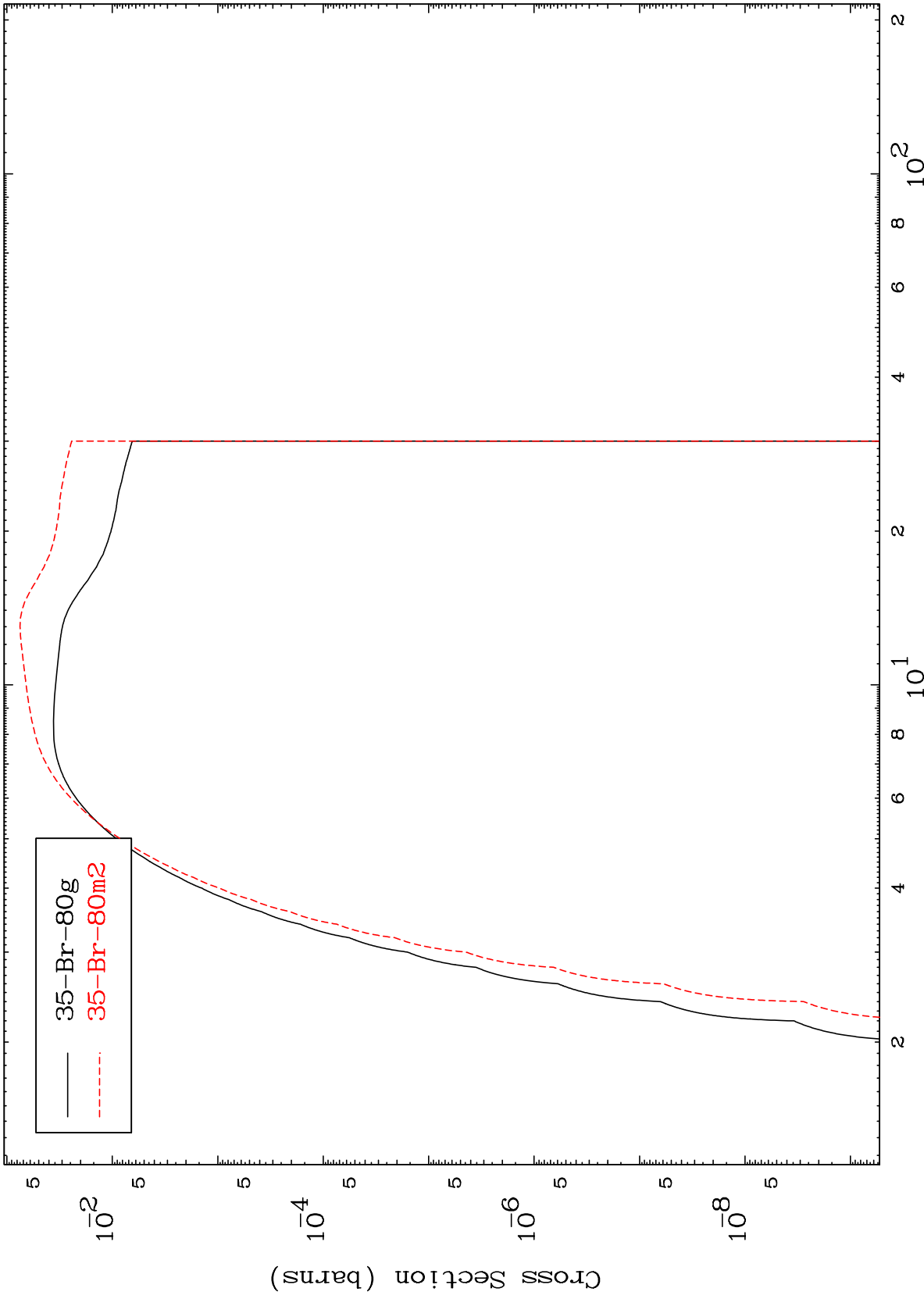
Incident Energy (MeV)

³⁶Kr-80

MAT 3631

³⁶Kr-80

Radionuclide Production Cross Section (n,p)



73

Incident Energy (MeV)

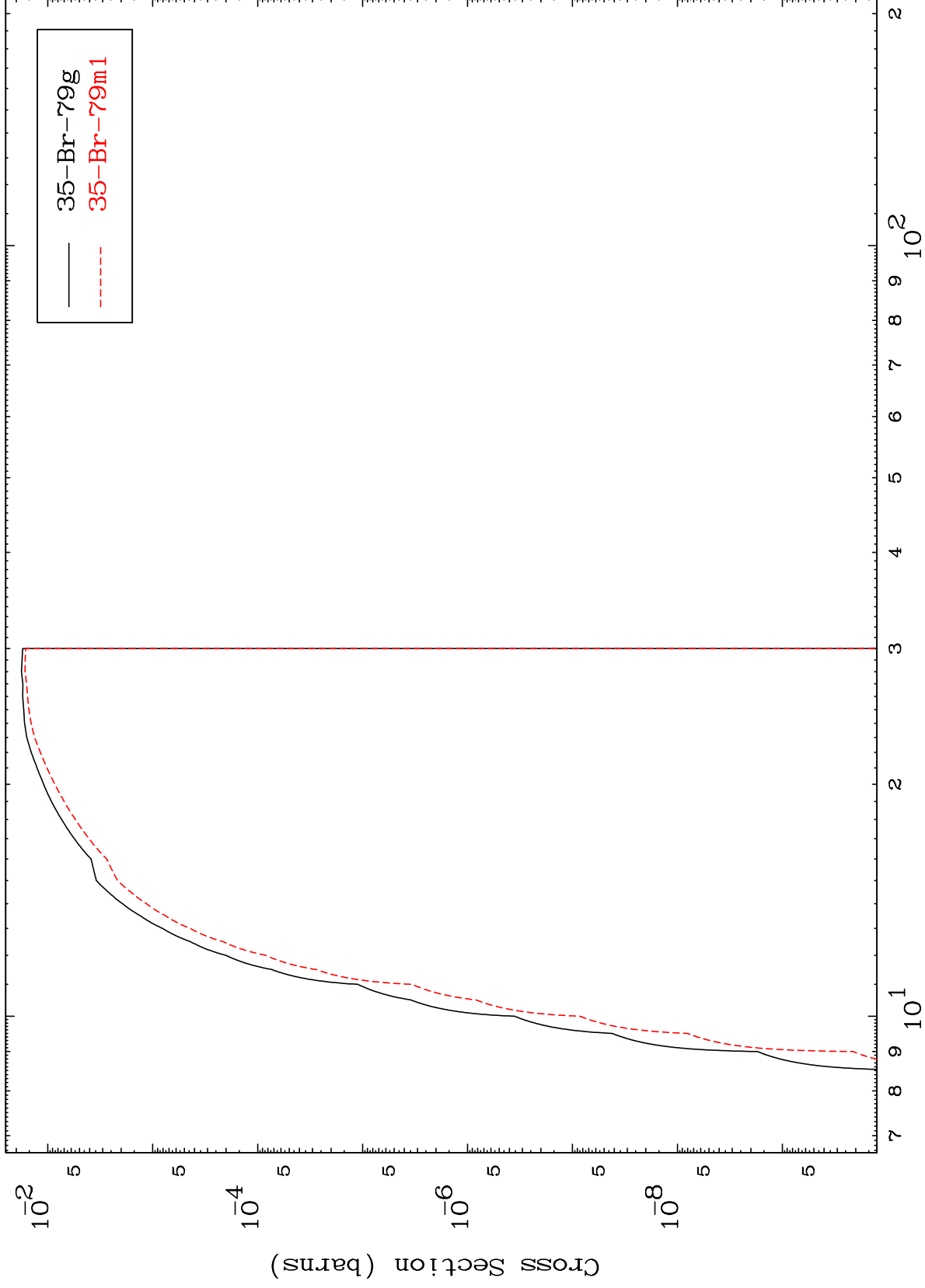
³⁶Kr-80

MAT 3631

(n,d)

36-Kr-80

Radionuclide Production Cross Section



74

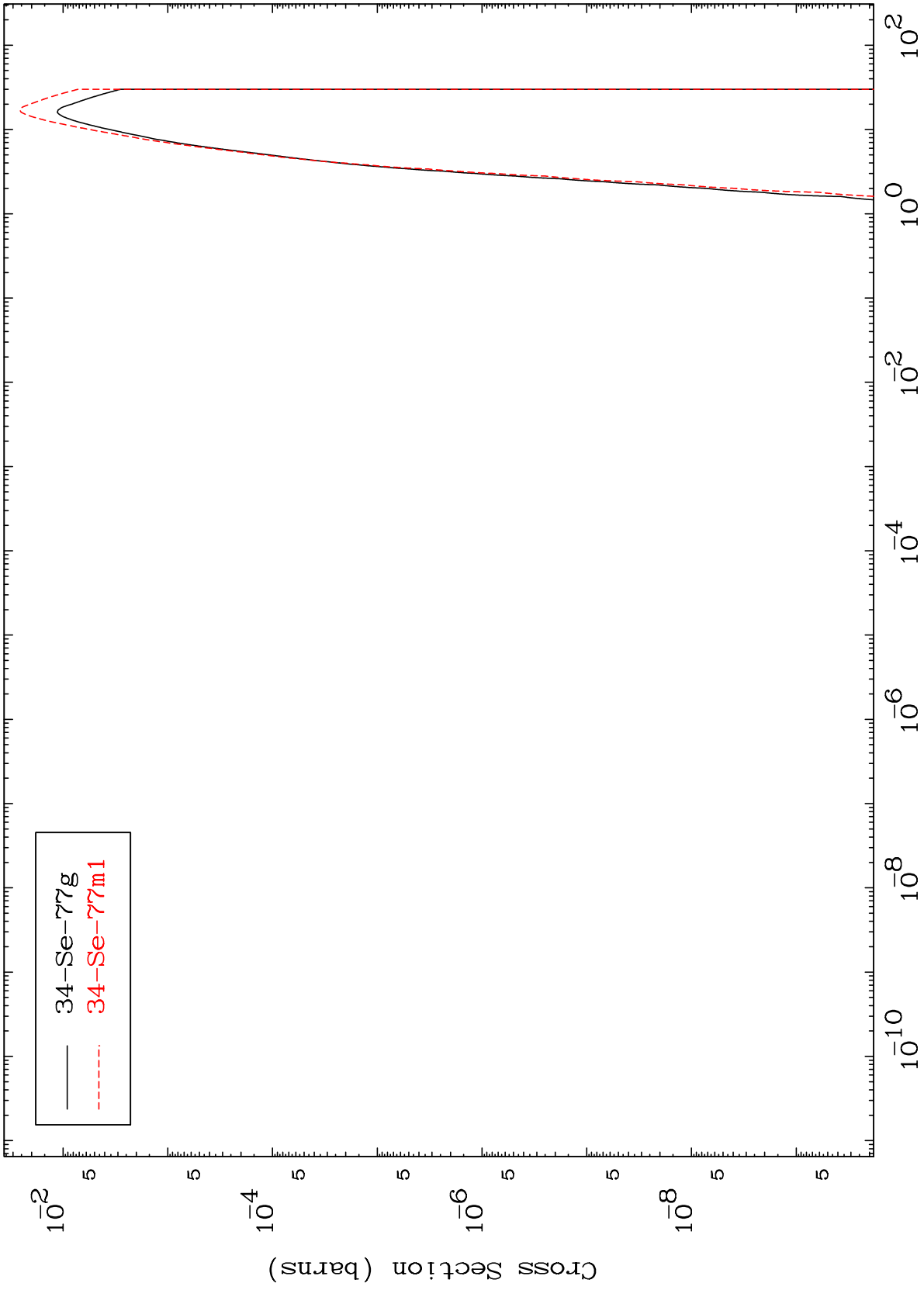
Incident Energy (MeV)

36-Kr-80

MAT 3631

(n,α)
Radionuclide Production Cross Section

36-Kr-80



75

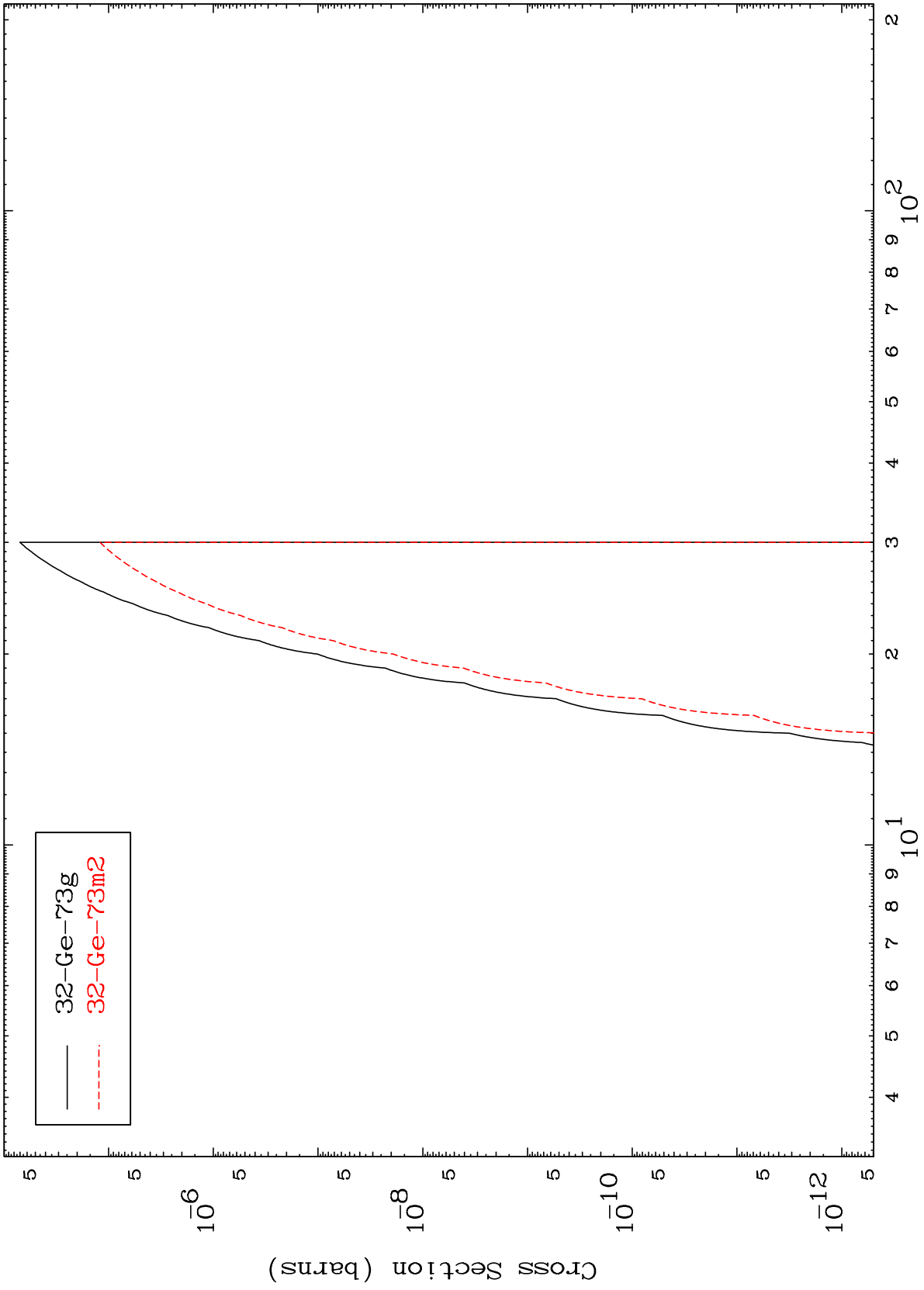
Incident Energy (MeV)

36-Kr-80

MAT 3631

36-Kr-80

Radionuclide Production Cross Section
(n,2α)



76

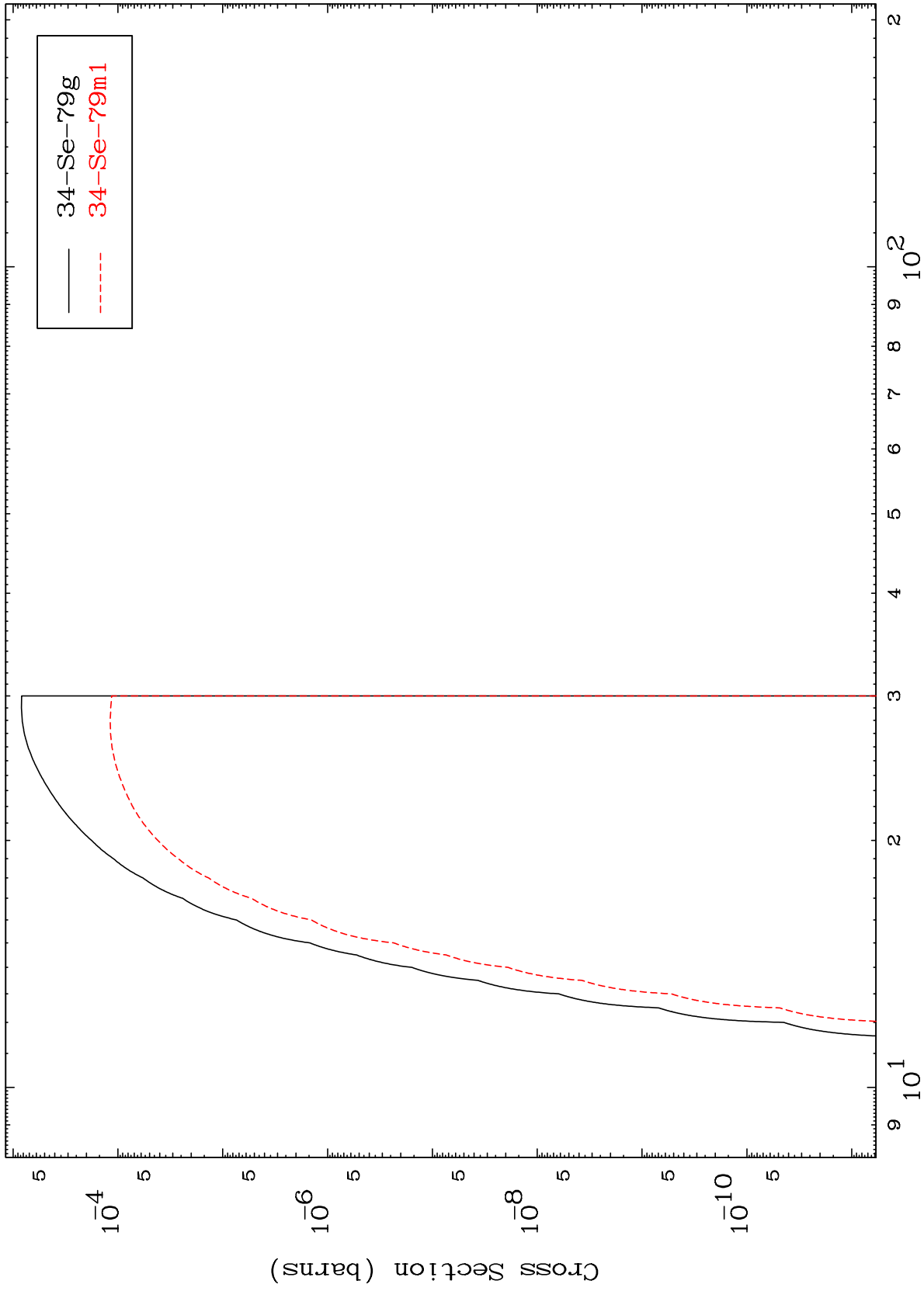
Incident Energy (MeV)

36-Kr-80

MAT 3631

36-Kr-80

(n,2p)
Radionuclide Production Cross Section



77

Incident Energy (MeV)

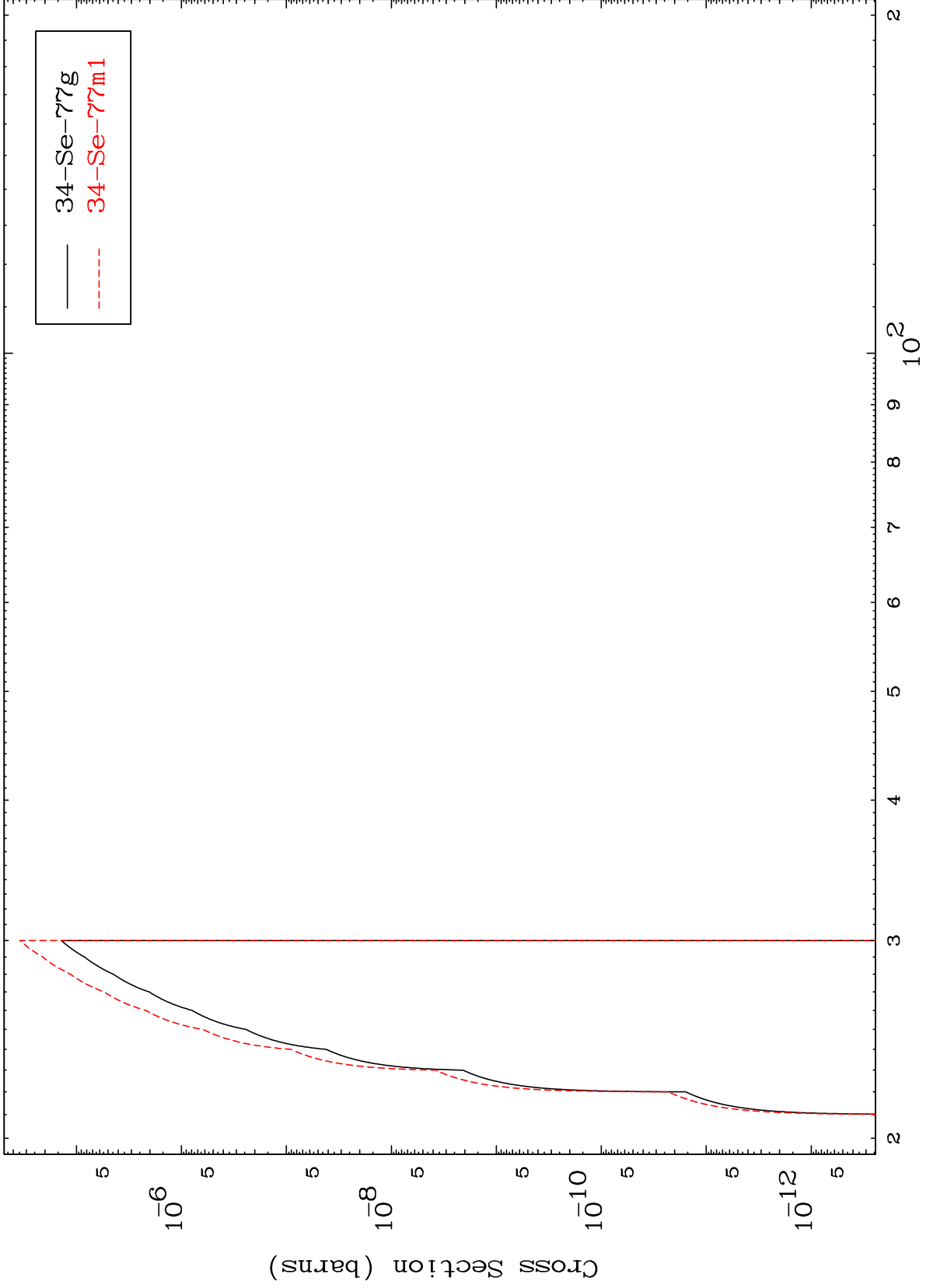
36-Kr-80

MAT 3631

(n,p) t

36-Kr-80

Radionuclide Production Cross Section



78

Incident Energy (MeV)

36-Kr-80