

Program EVALPLOT
(Version 2021-1)

by

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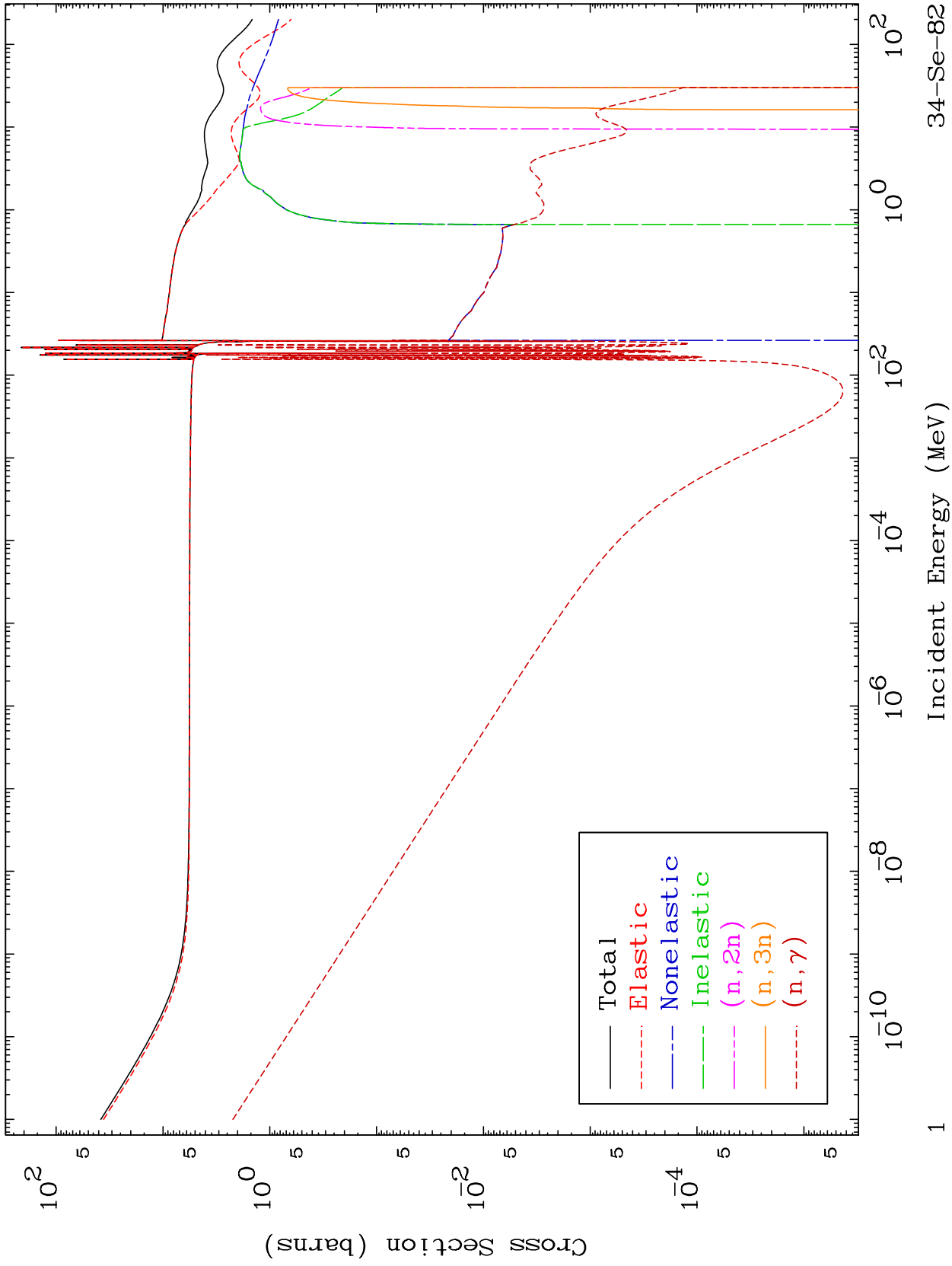
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3449

Neutron Major
293 Kelvin Cross Sections

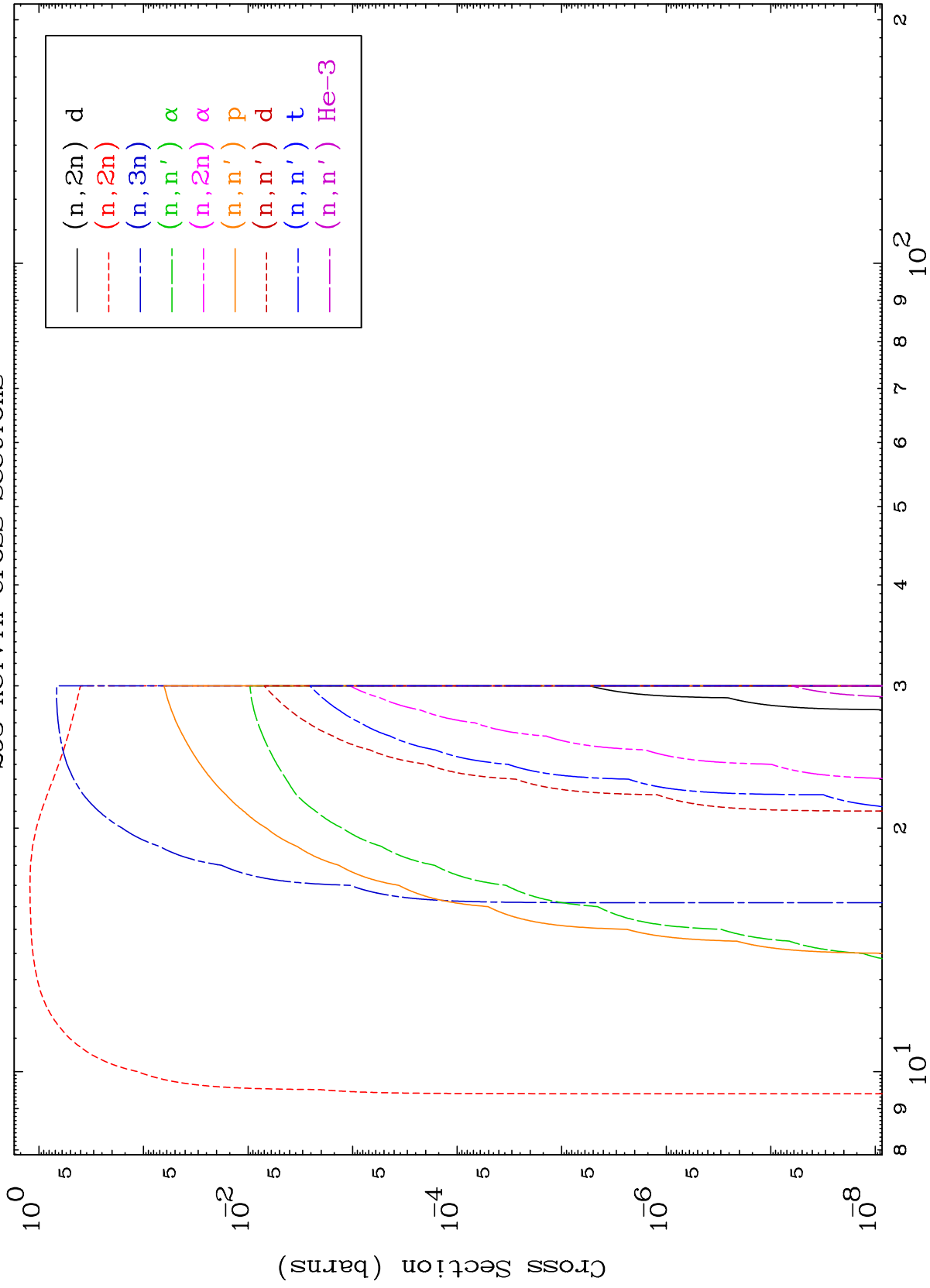
34-Se-82



MAT 3449

Neutron Absorption
293 Kelvin Cross Sections

34-Se-82



2

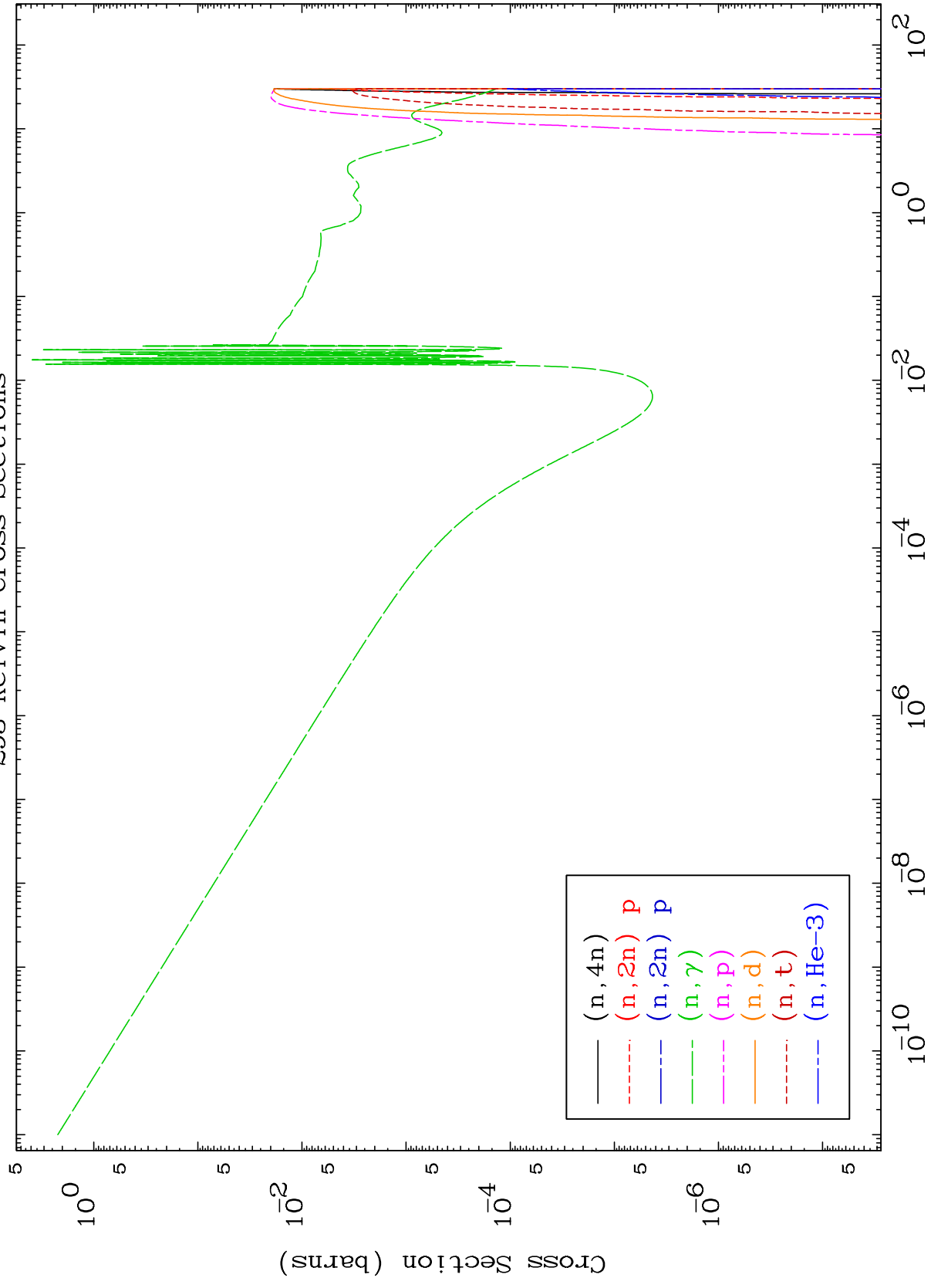
Incident Energy (MeV)

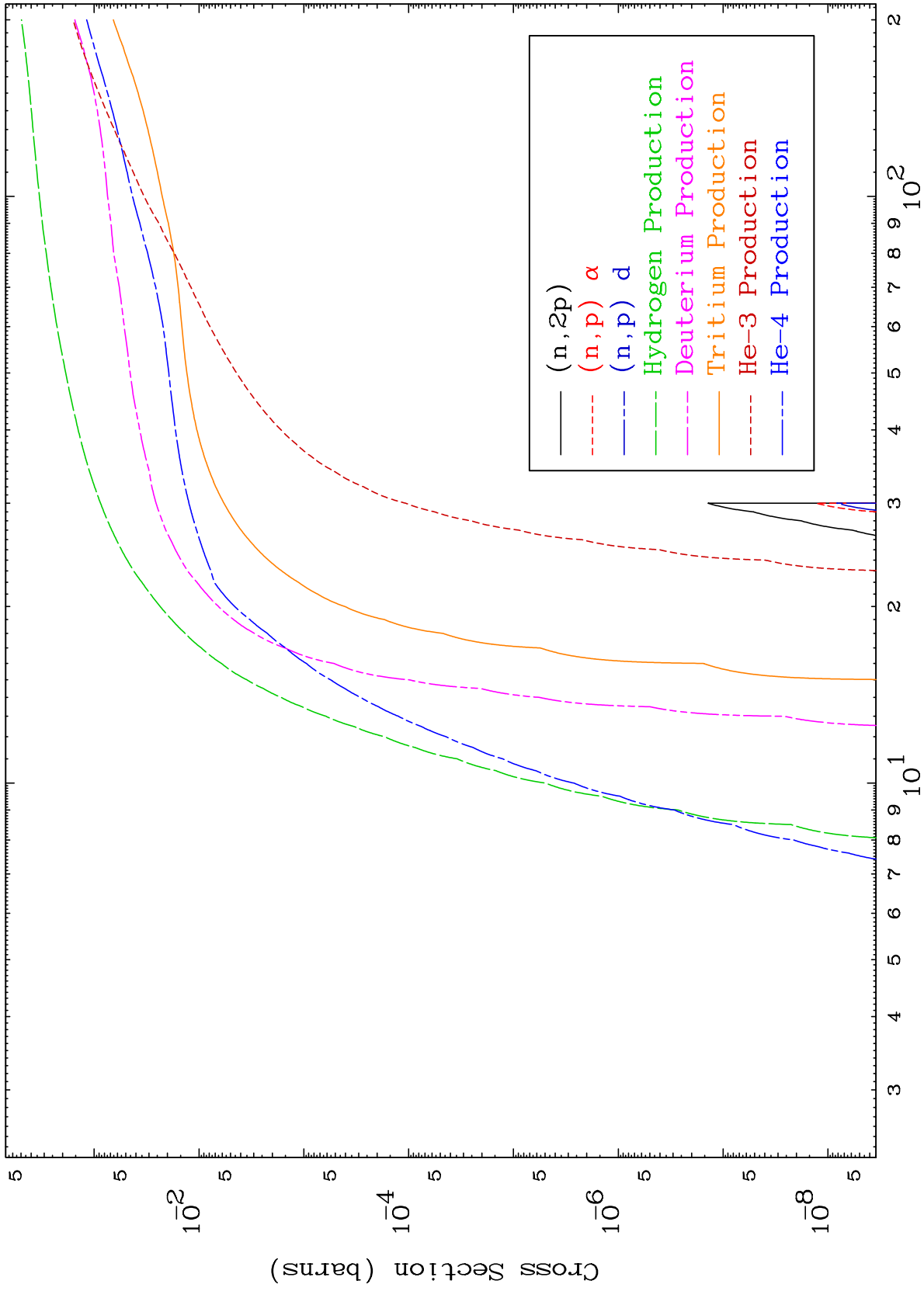
34-Se-82

MAT 3449

Neutron Absorption
293 Kelvin Cross Sections

34-Se-82

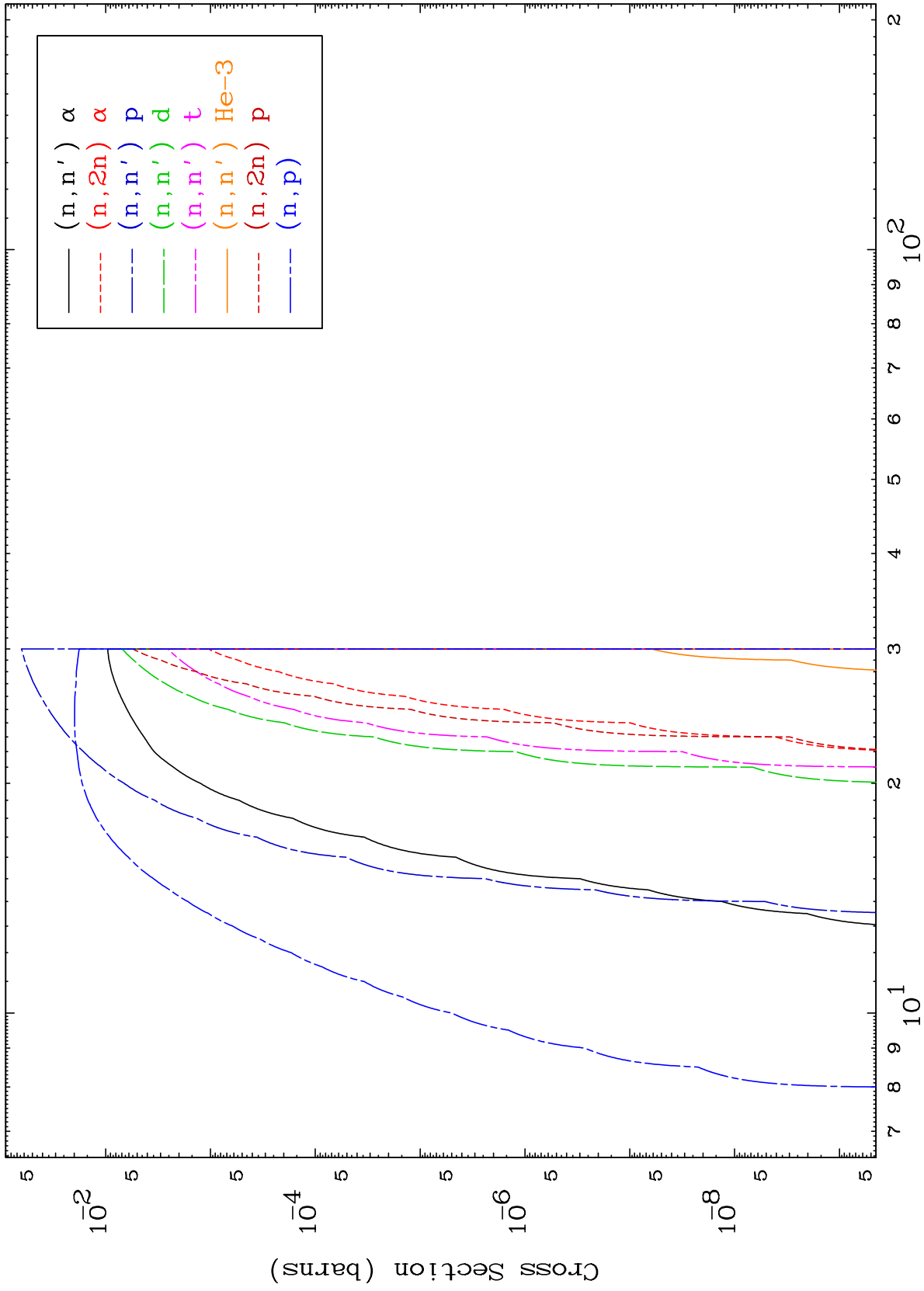




MAT 3449

Charged Particle
293 Kelvin Cross Sections

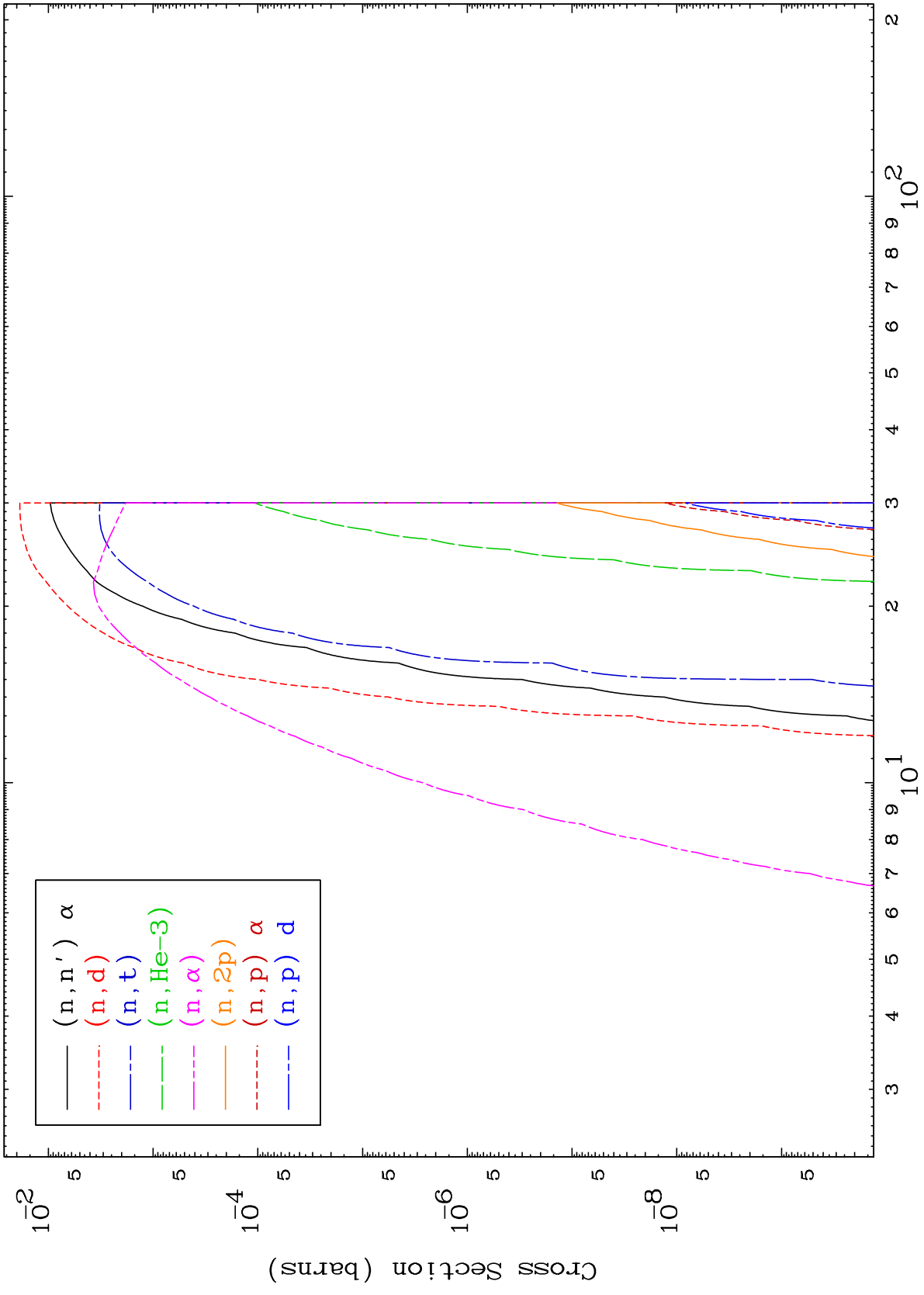
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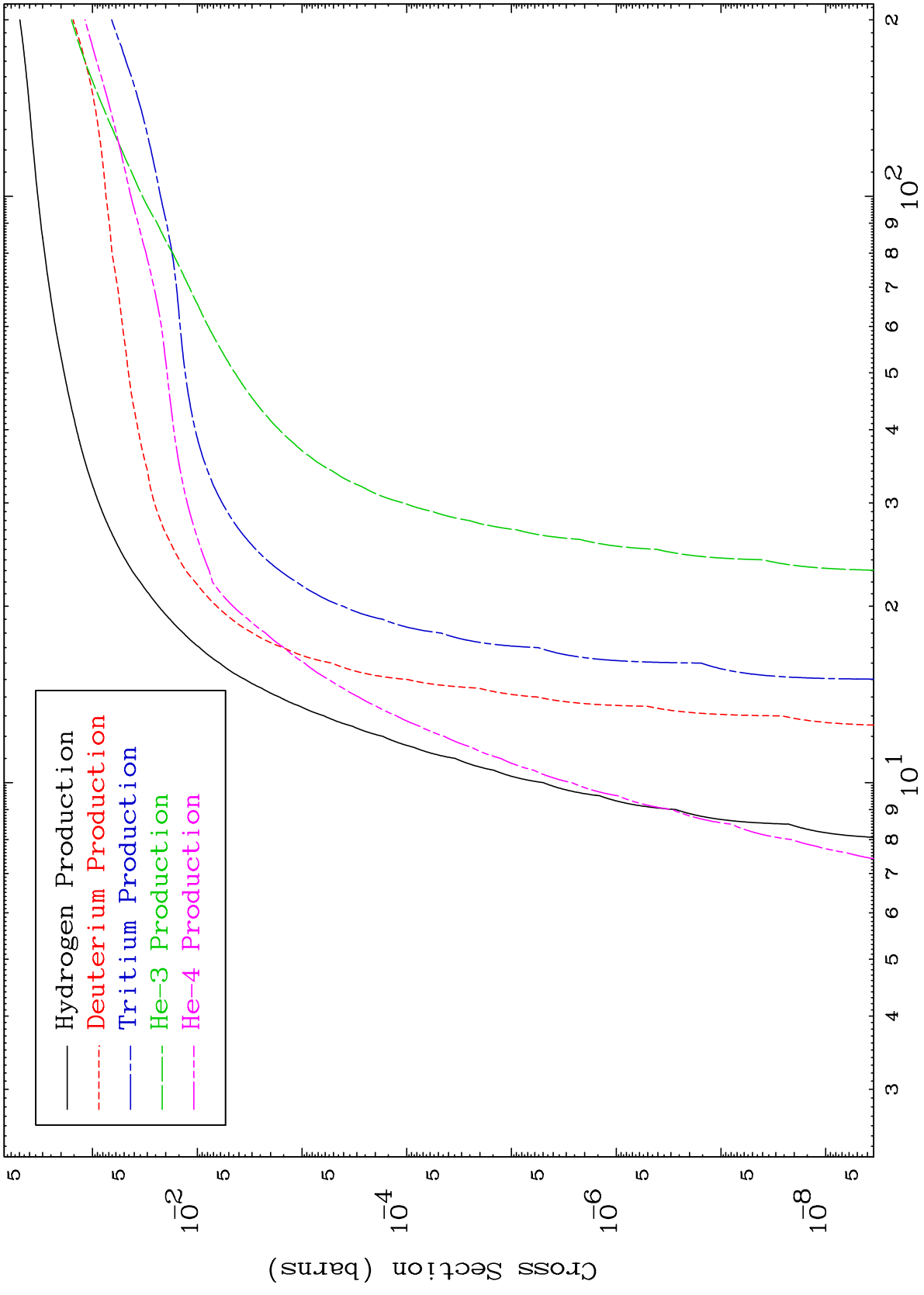


5

Incident Energy (MeV)

34-Se-82

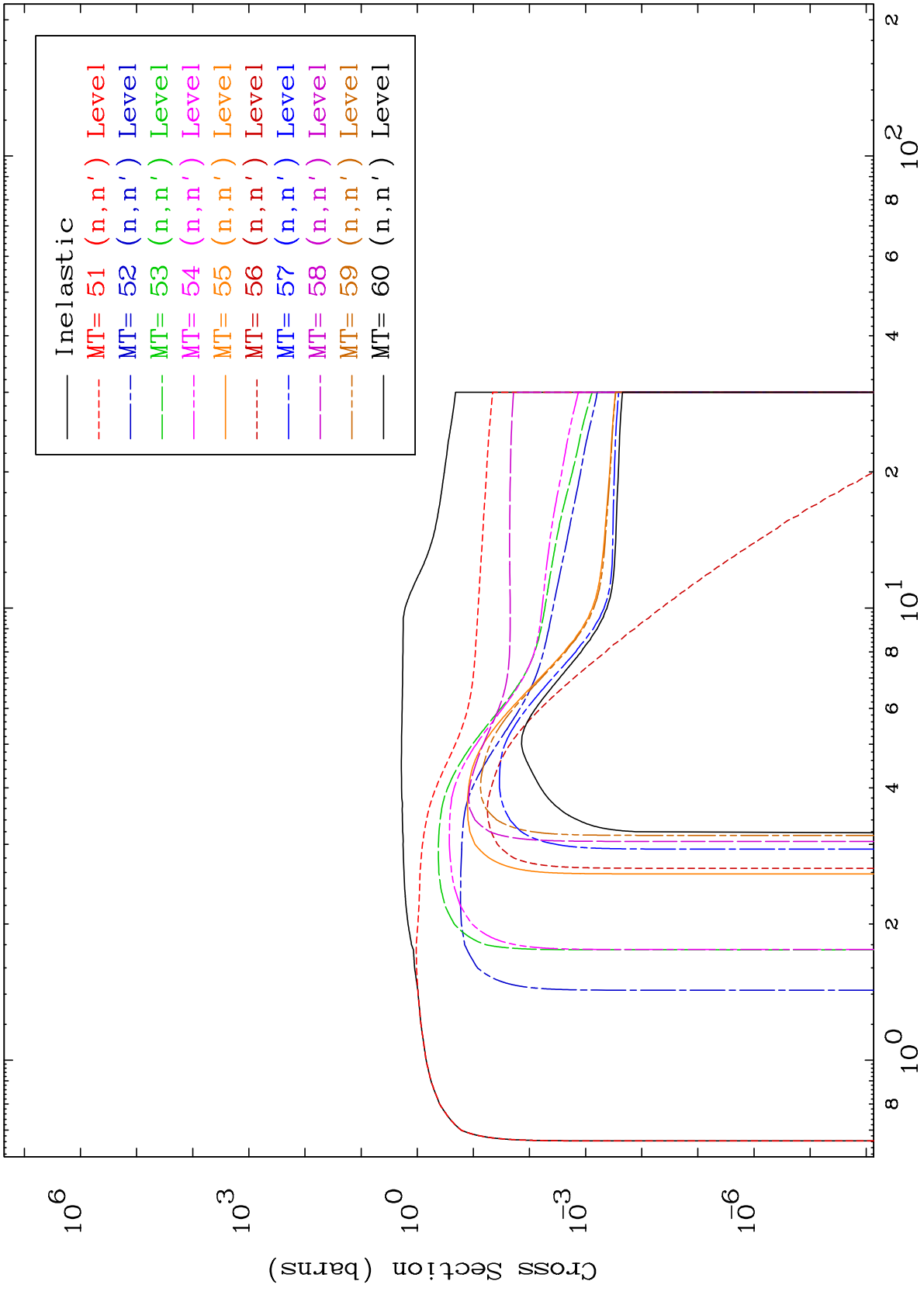




MAT 3449

(n,n') Levels
293 Kelvin Cross Sections

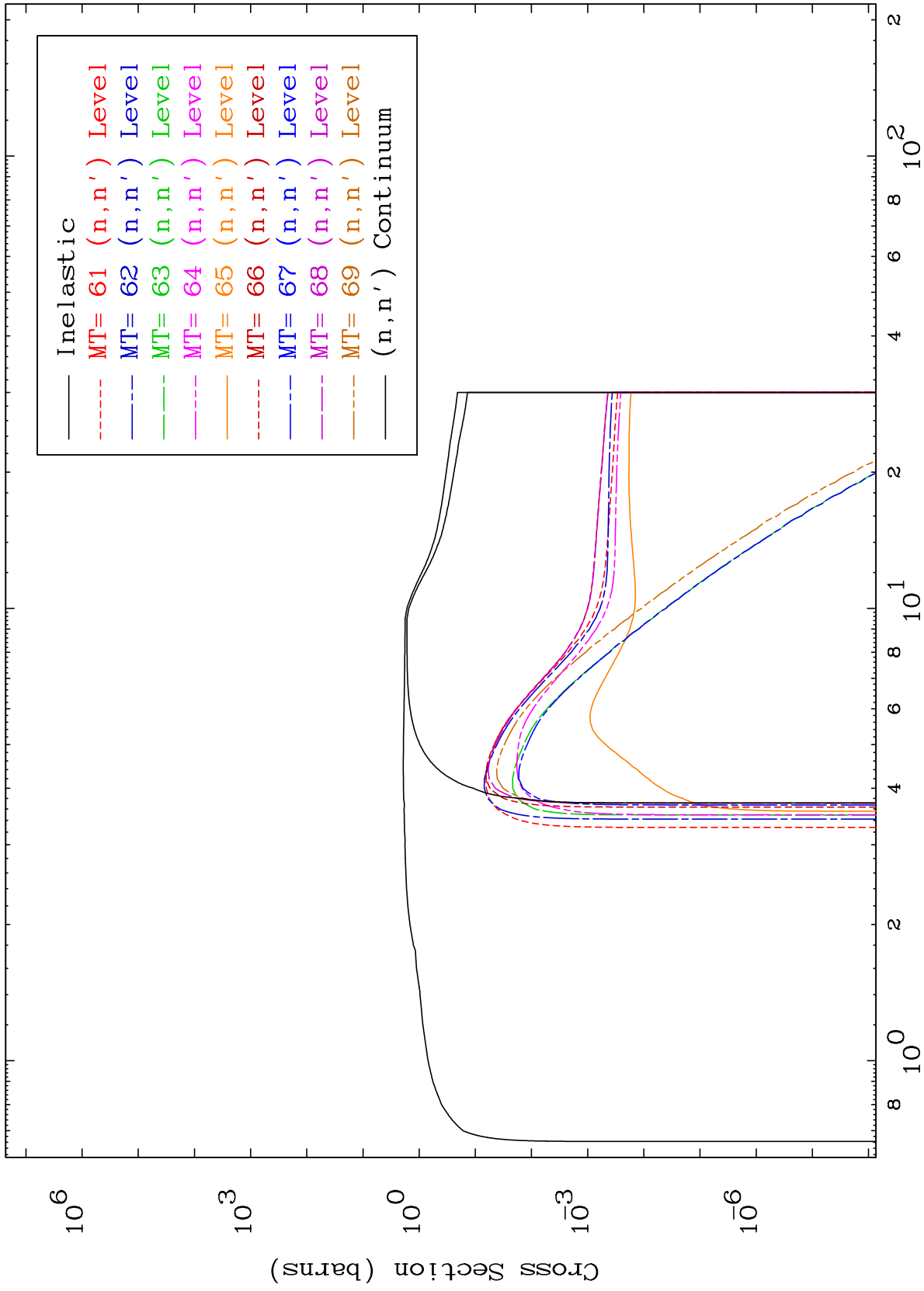
34-Se-82



8

Incident Energy (MeV)

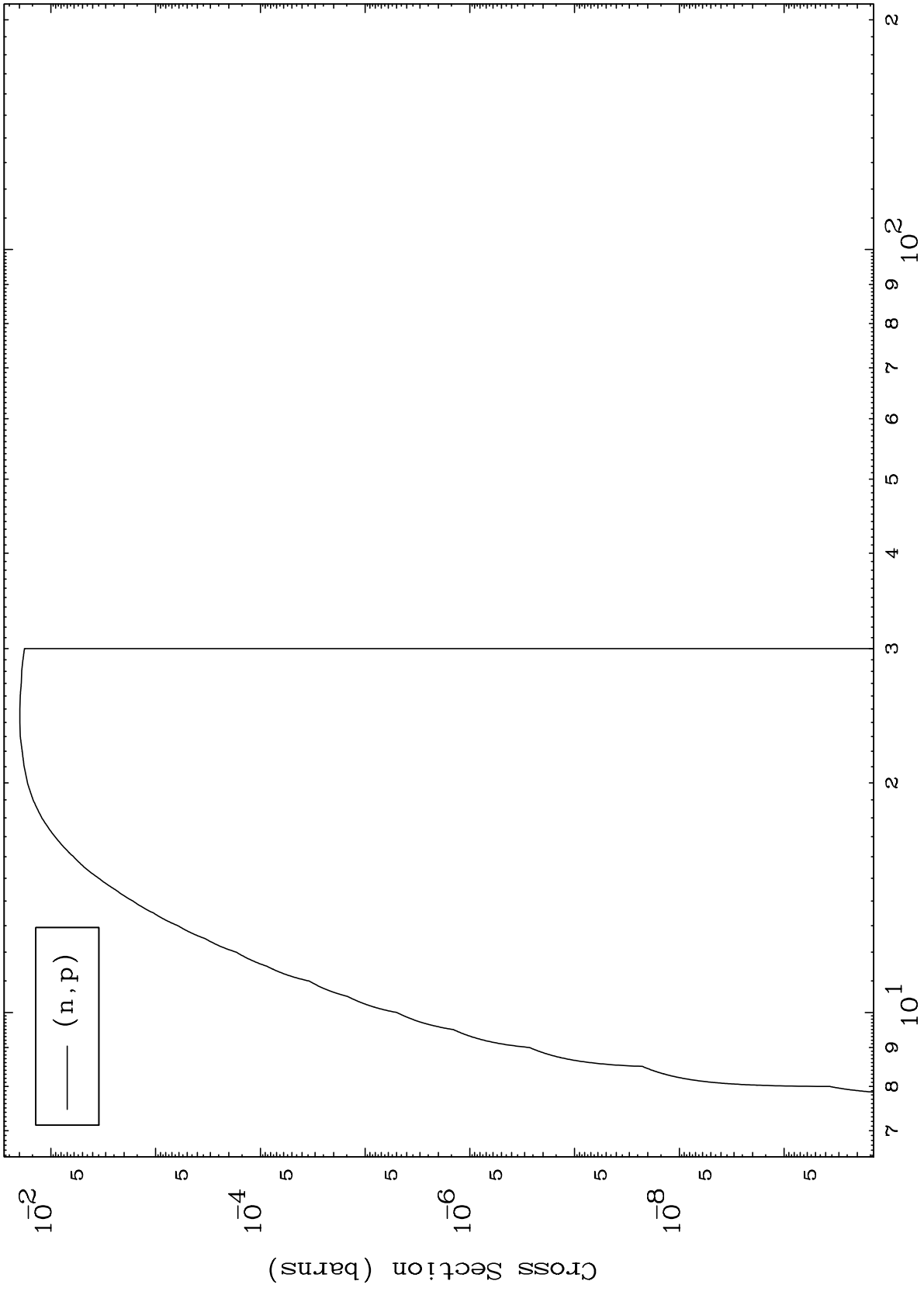
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MAT 3449

(n,p) Levels
293 Kelvin Cross Sections

34-Se-82



10

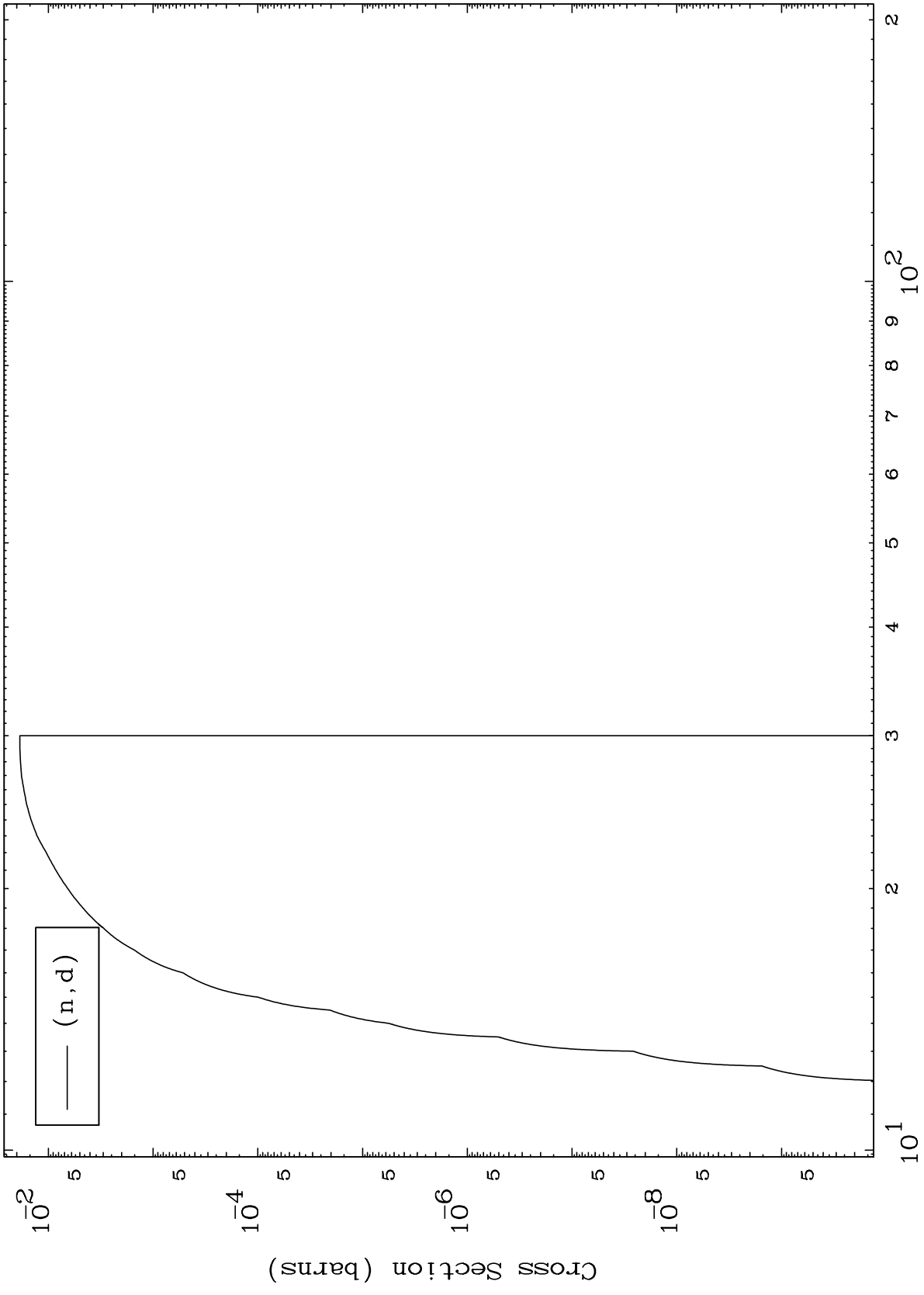
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,d) Levels
293 Kelvin Cross Sections

34-Se-82



11

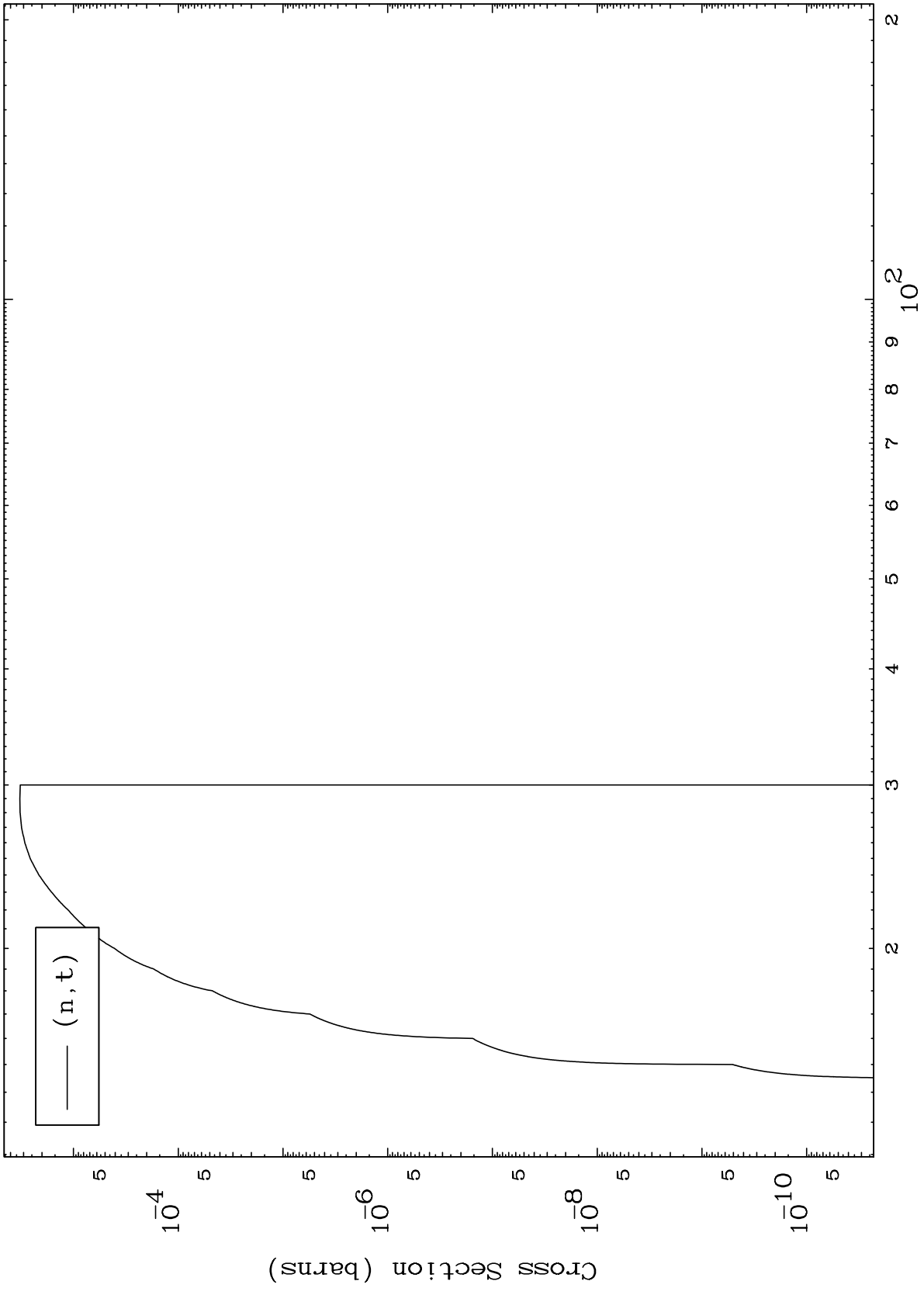
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34-Se-82

MAT 3449

(n,t) Levels
293 Kelvin Cross Sections

34-Se-82



12

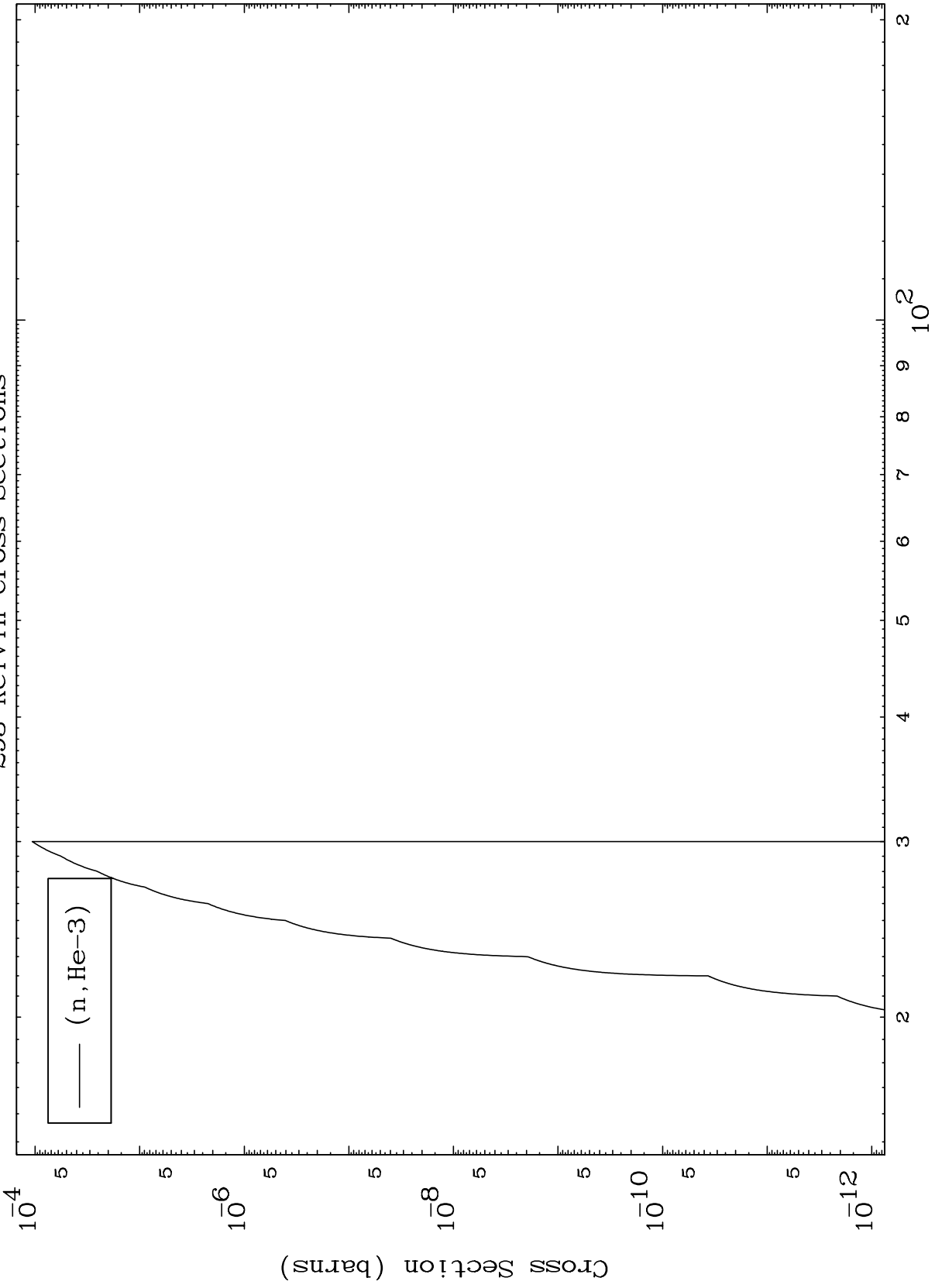
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-82



13

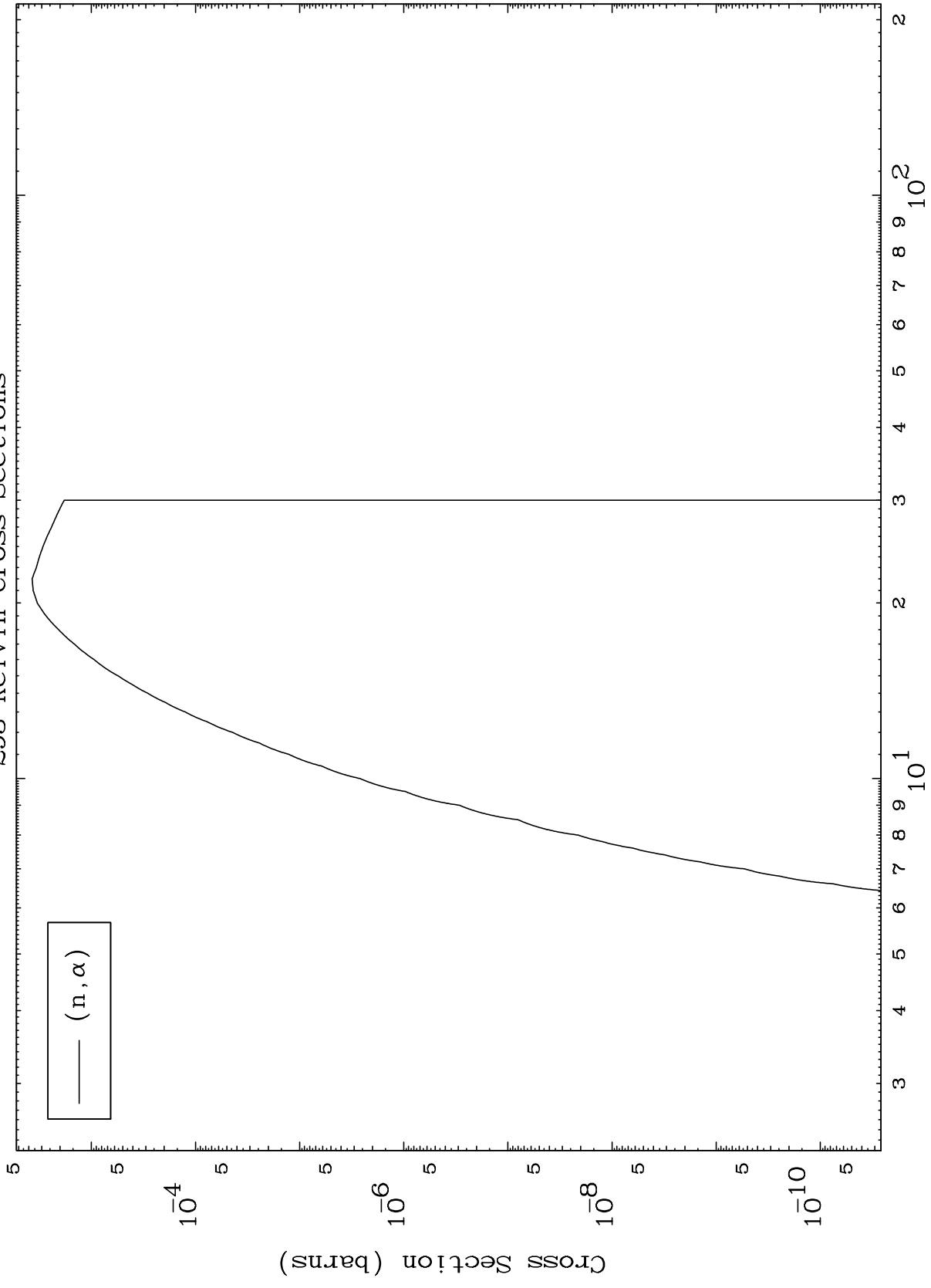
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,α) Levels
293 Kelvin Cross Sections

34-Se-82



14

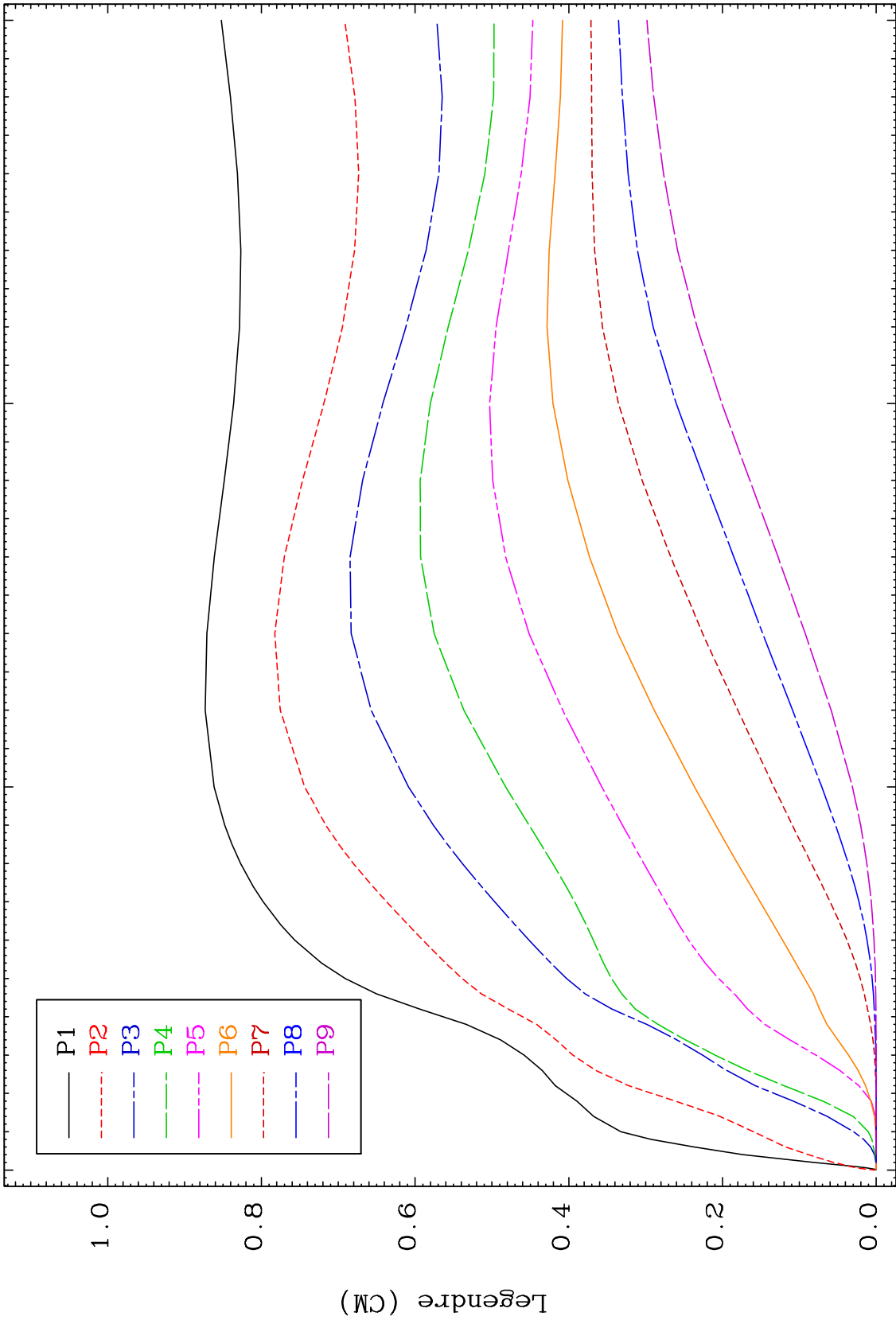
Incident Energy (MeV)

34-Se-82

MAT 3449

Elastic Legendre Coefficients

³⁴Se-82



15

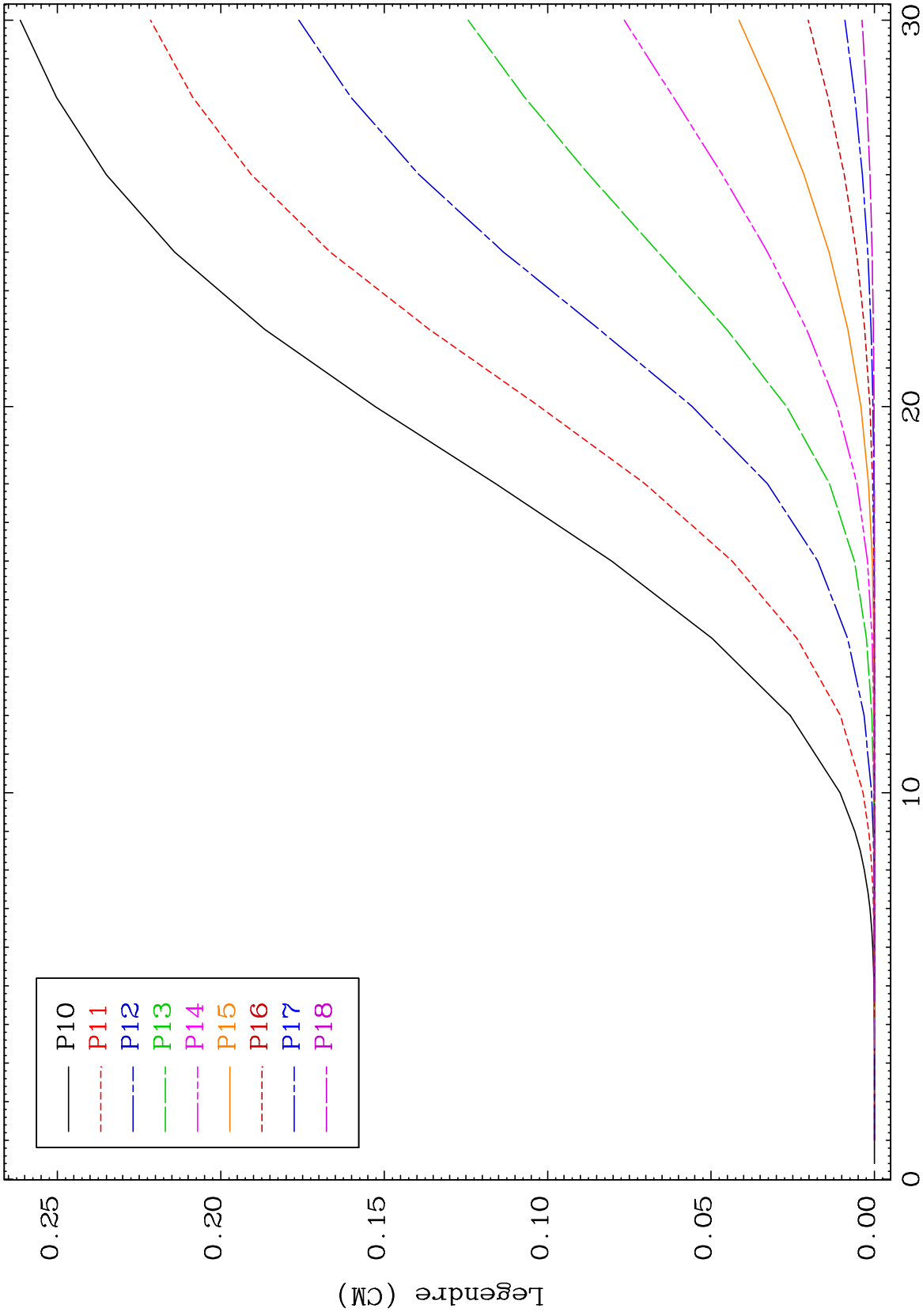
Incident Energy (MeV)

³⁴Se-82

MAT 3449

Elastic Legendre Coefficients

³⁴Se-82



16

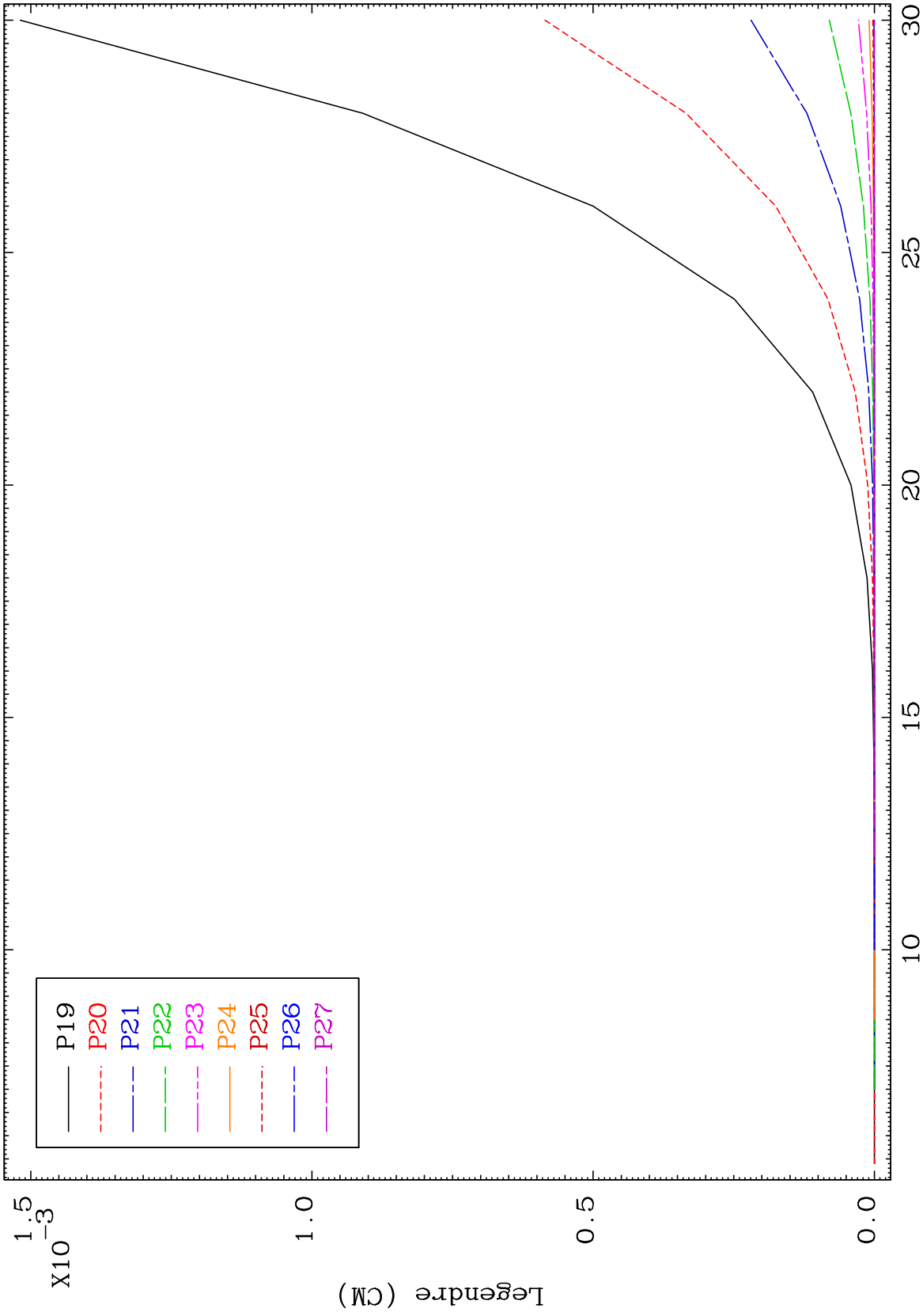
Incident Energy (MeV)

³⁴Se-82

MAT 3449

Elastic Legendre Coefficients

34-Se-82



17

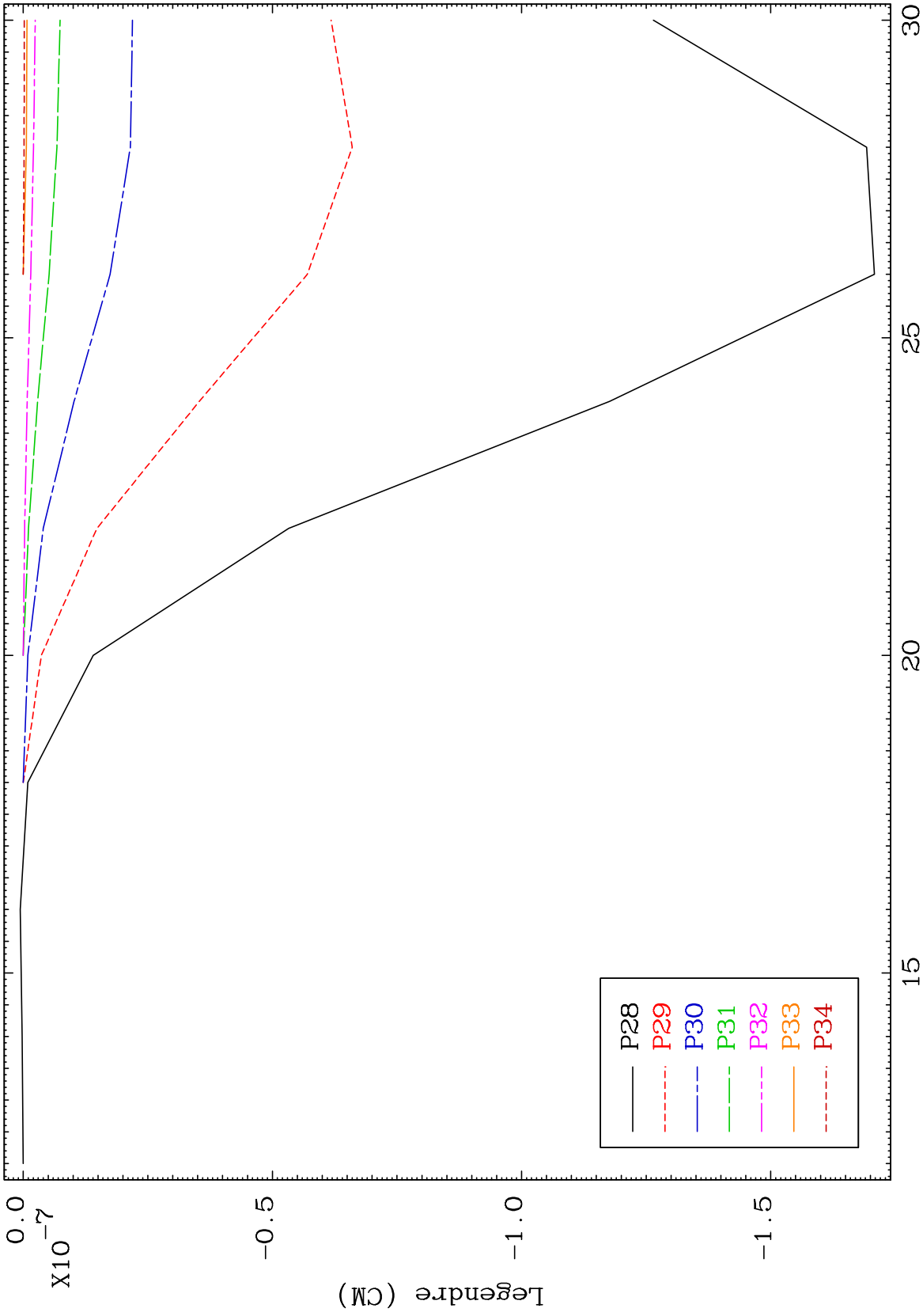
Incident Energy (MeV)

34-Se-82

MAT 3449

34-Se-82

Elastic Legendre Coefficients



18

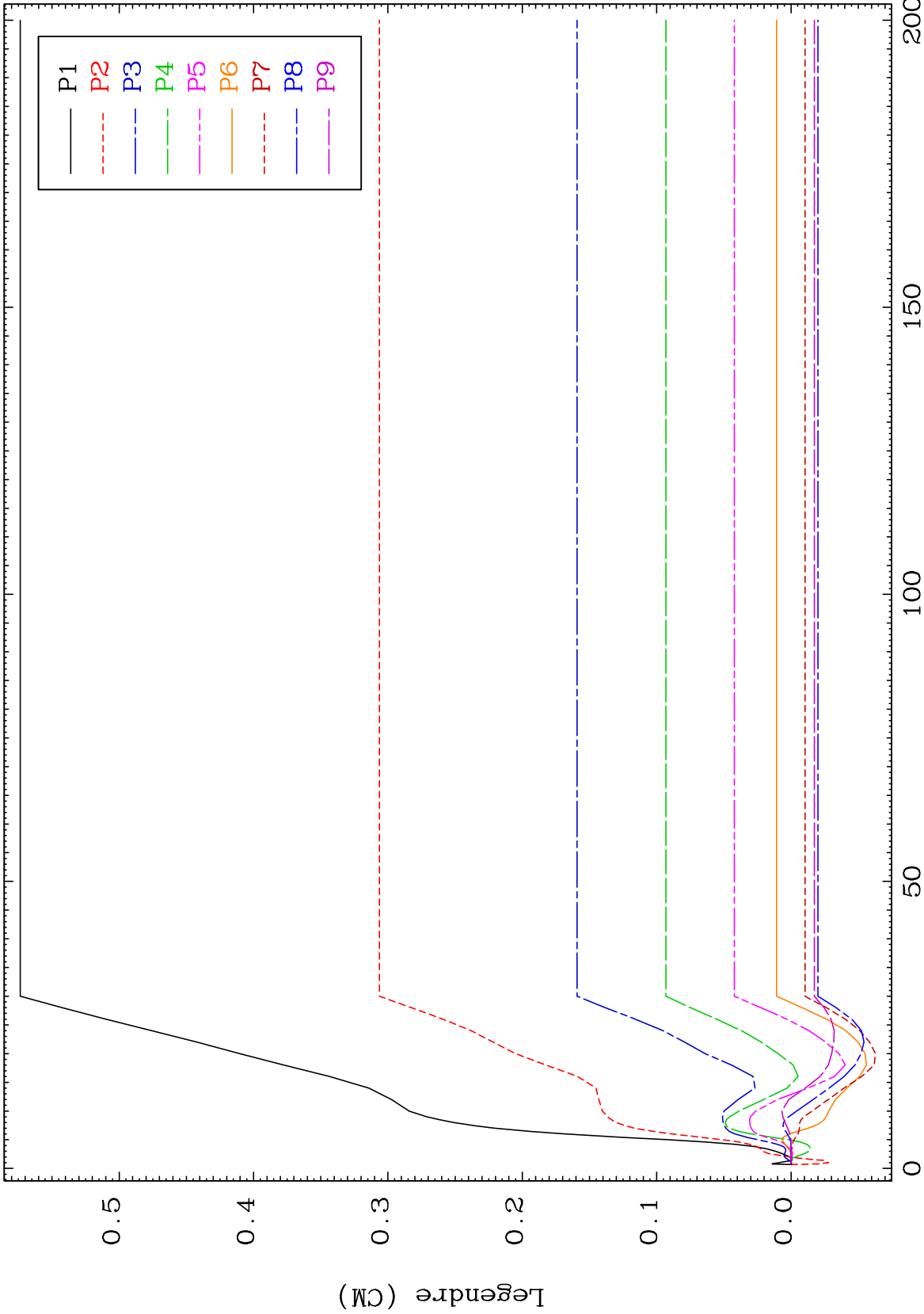
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



19

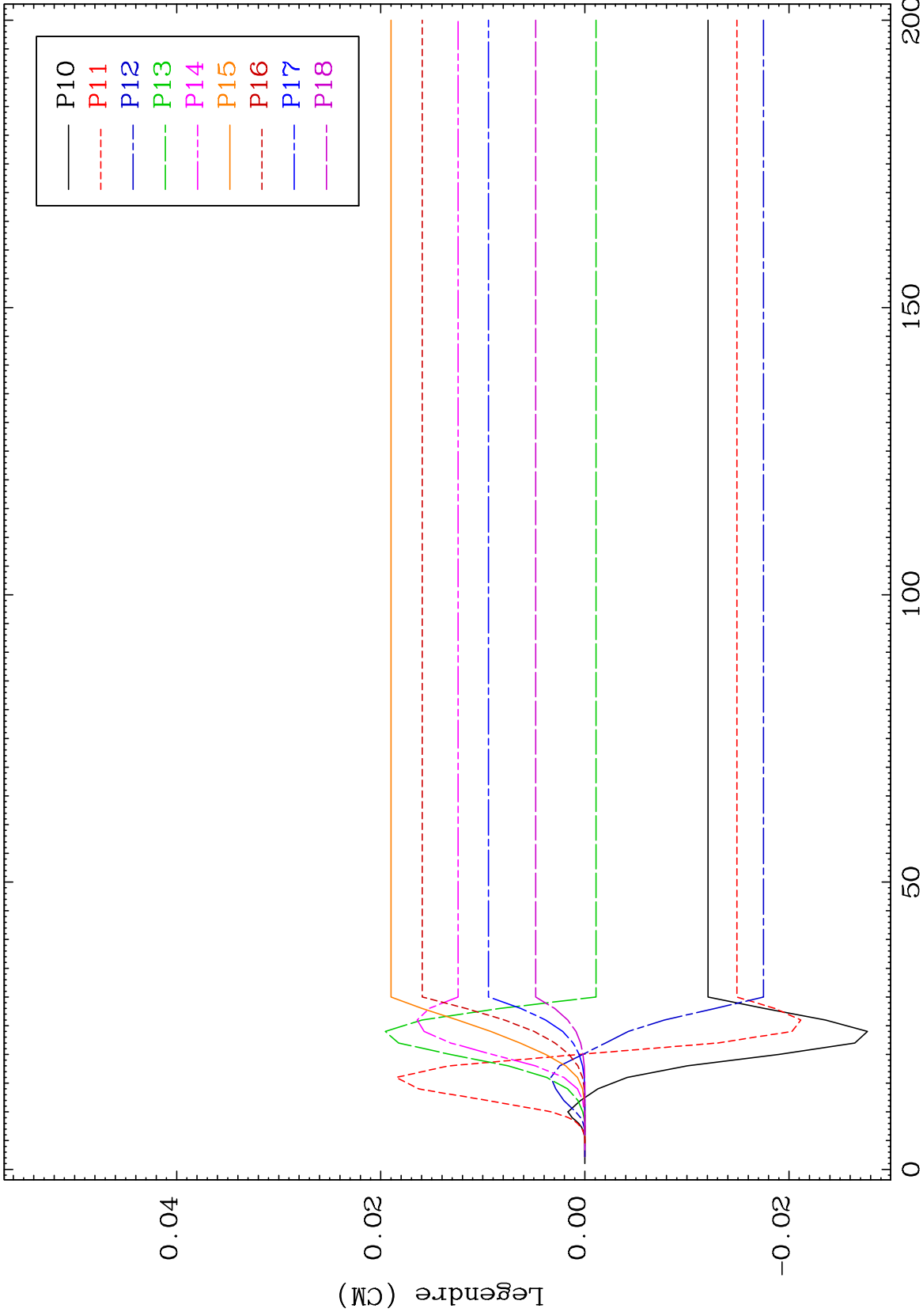
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



0

50

100

150

200

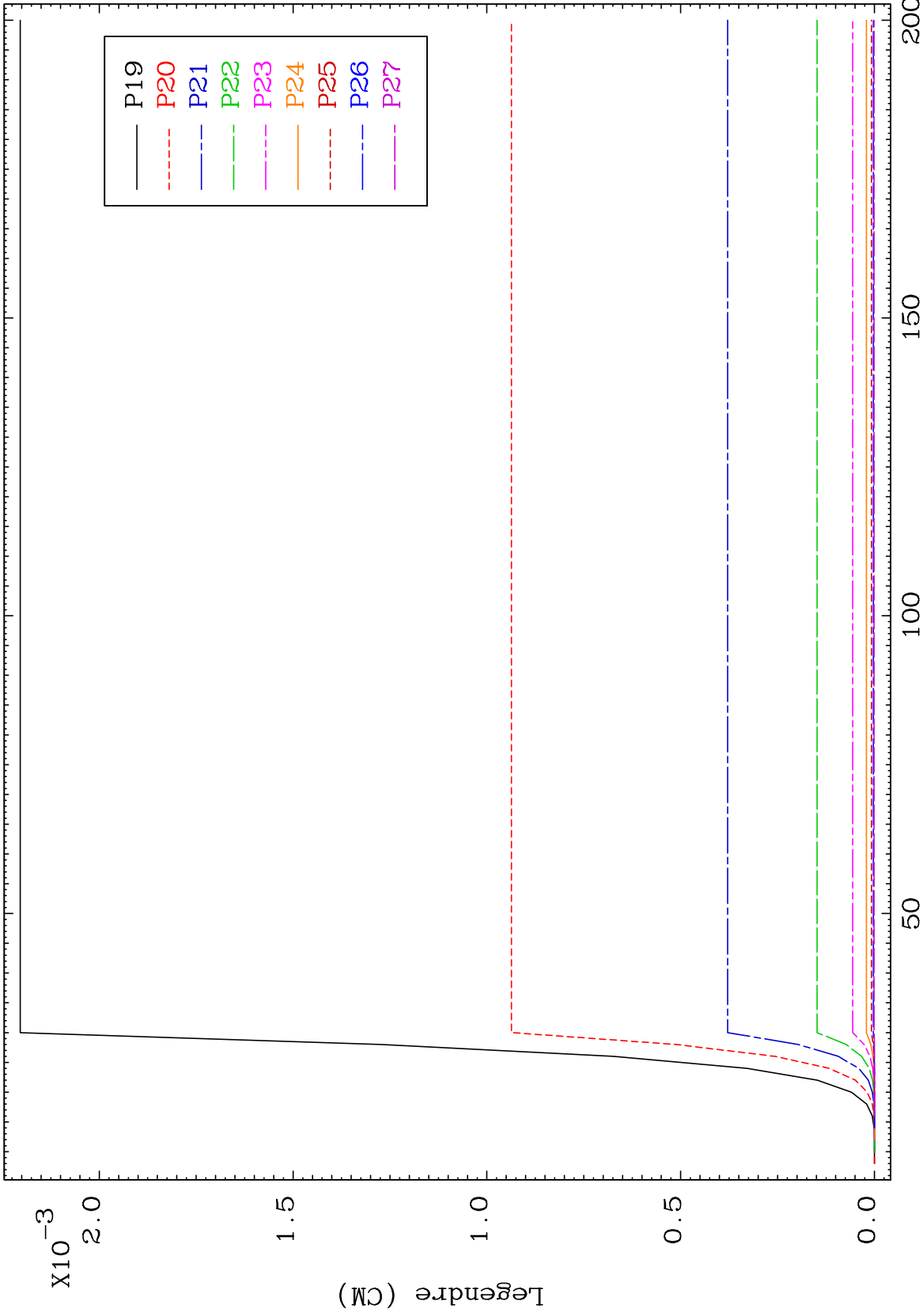
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



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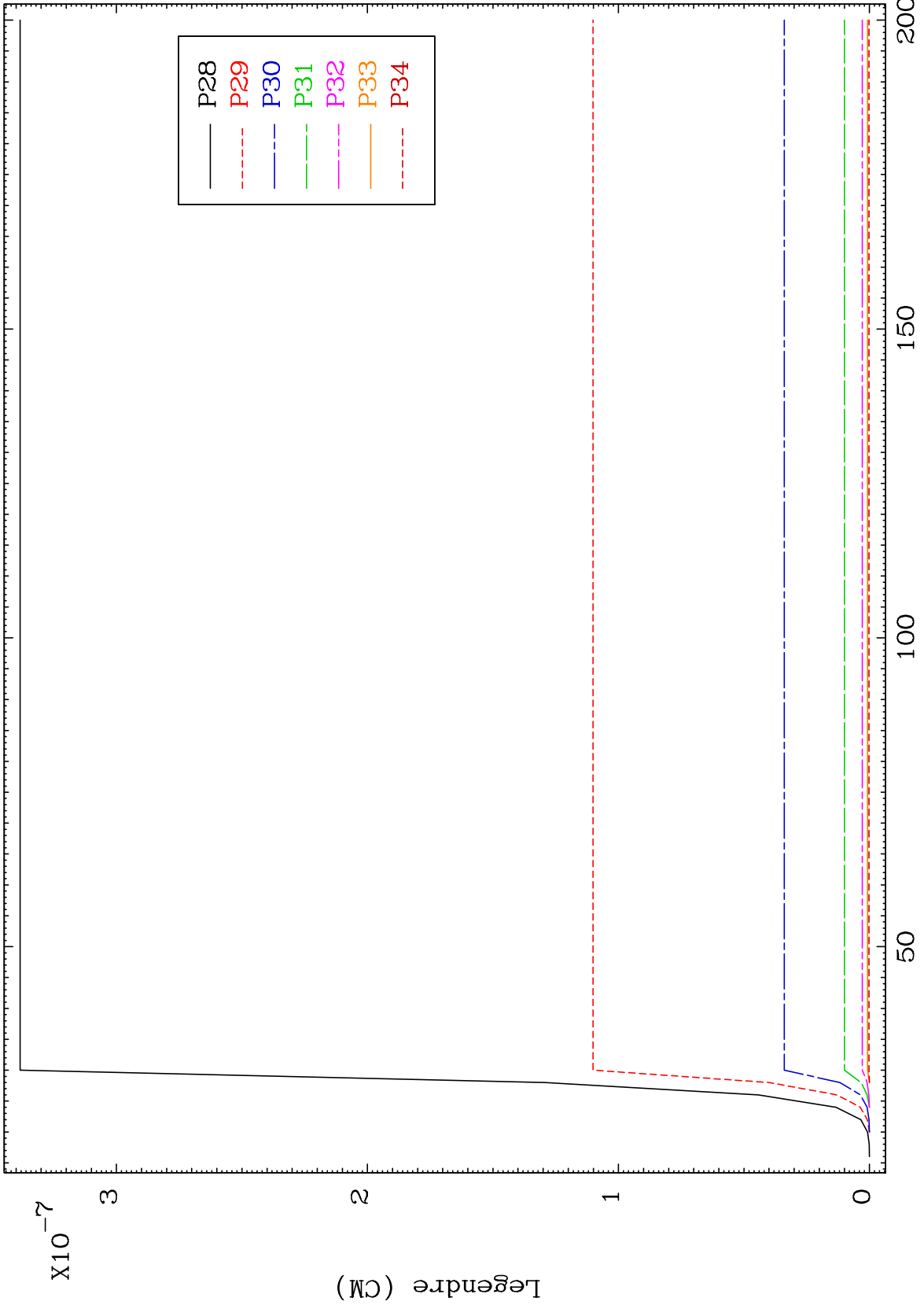
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



22

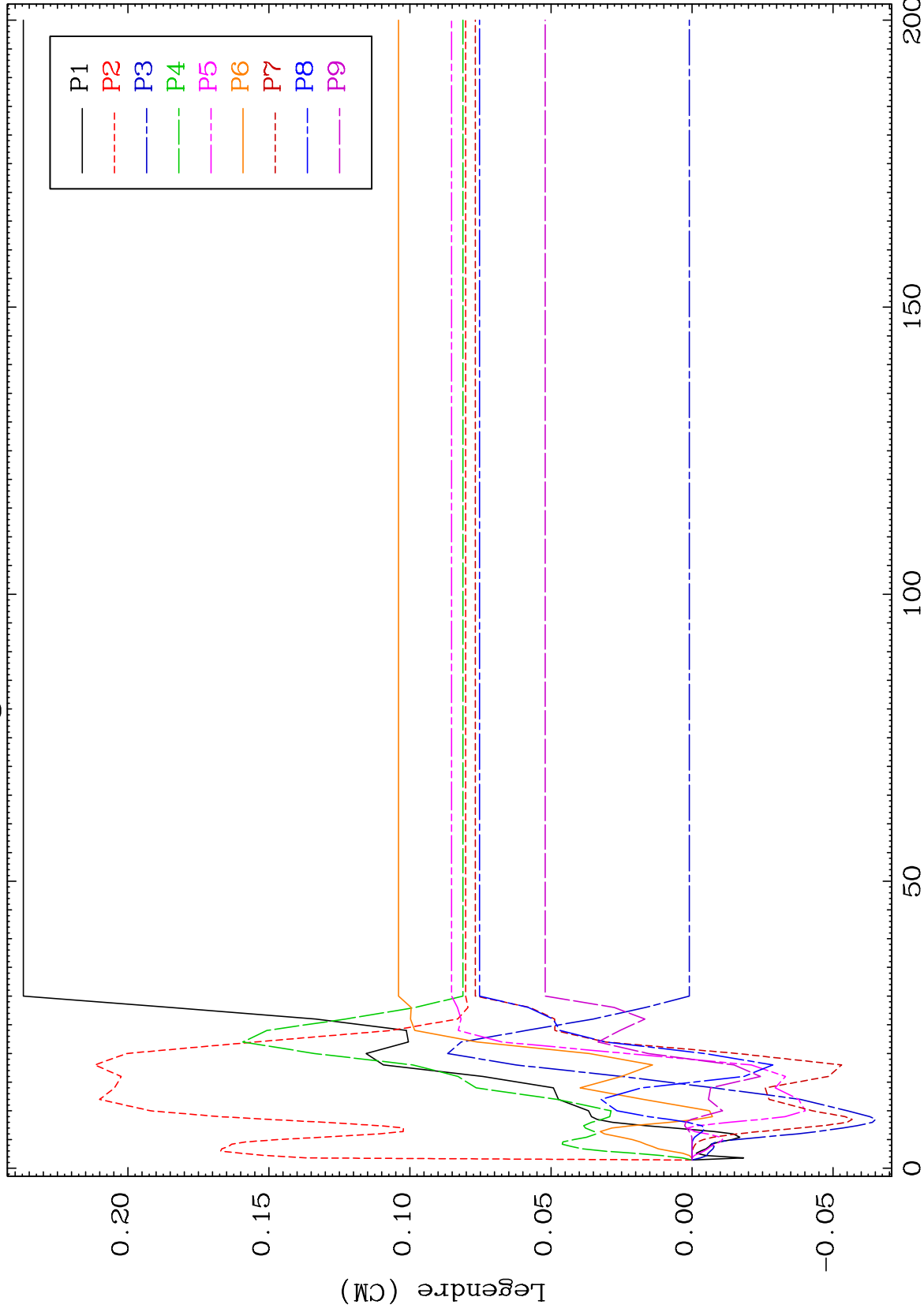
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



23

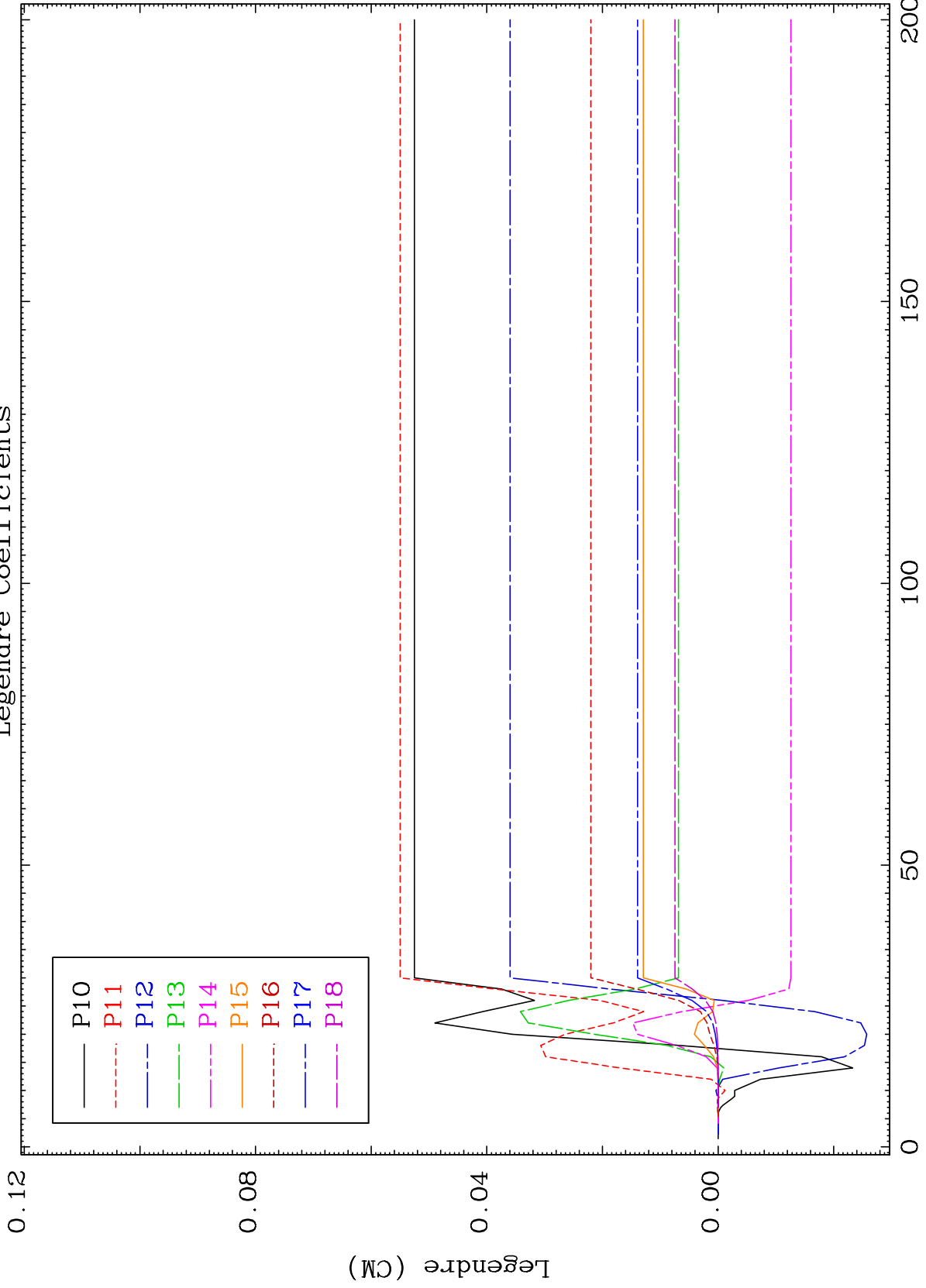
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



34-Se-82

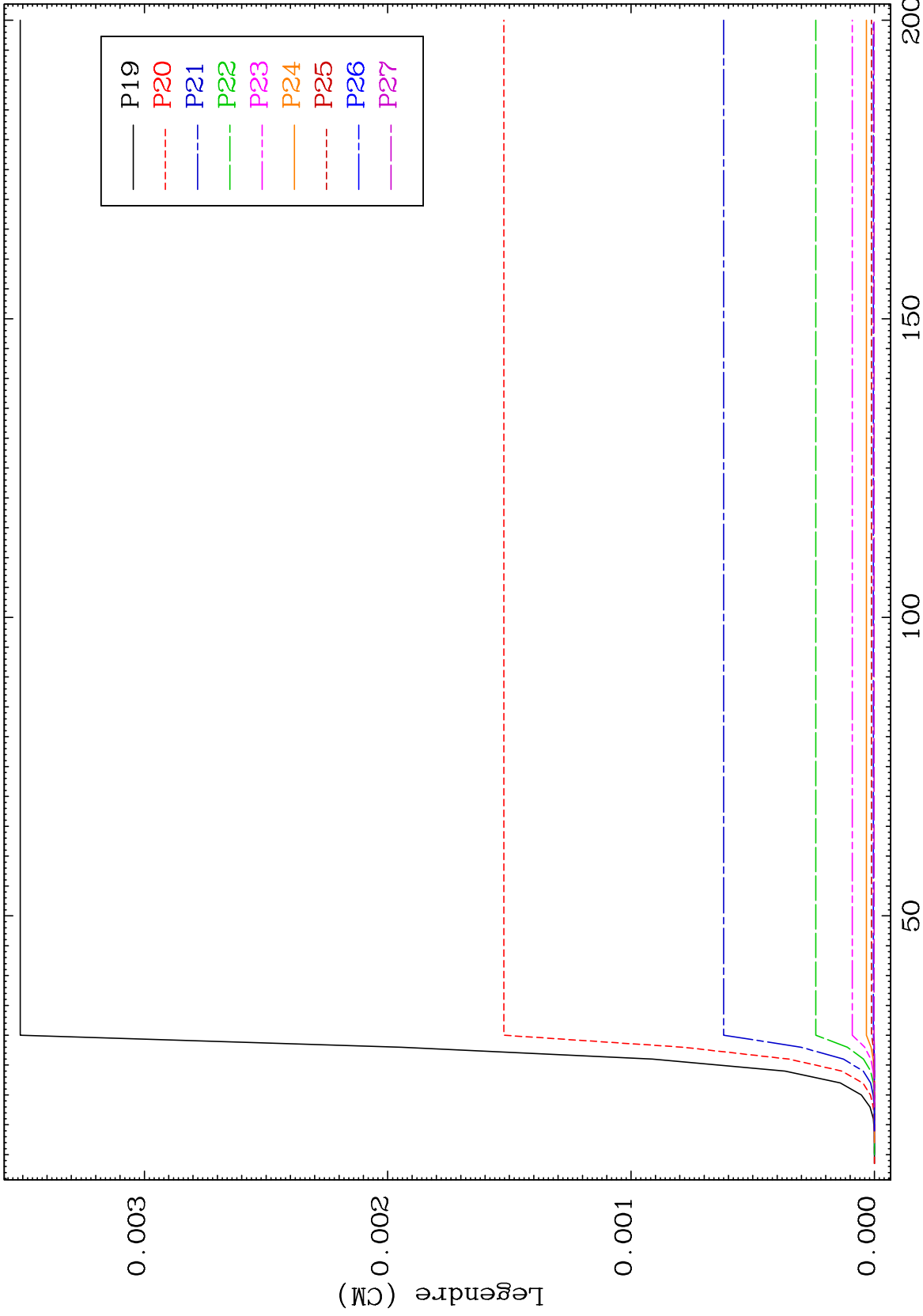
Incident Energy (MeV)

24

MAT 3449

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

34-Se-82



25

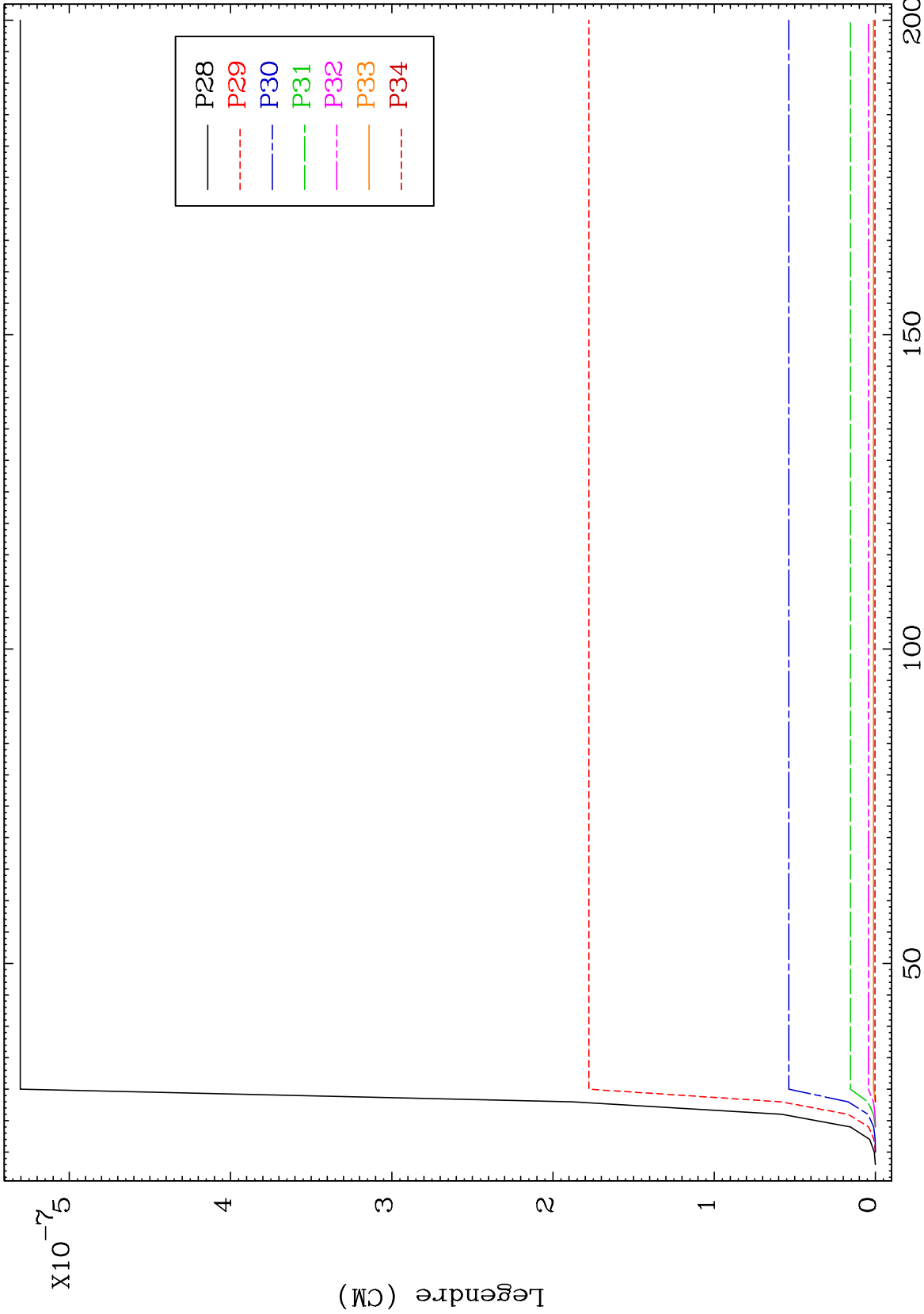
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



26

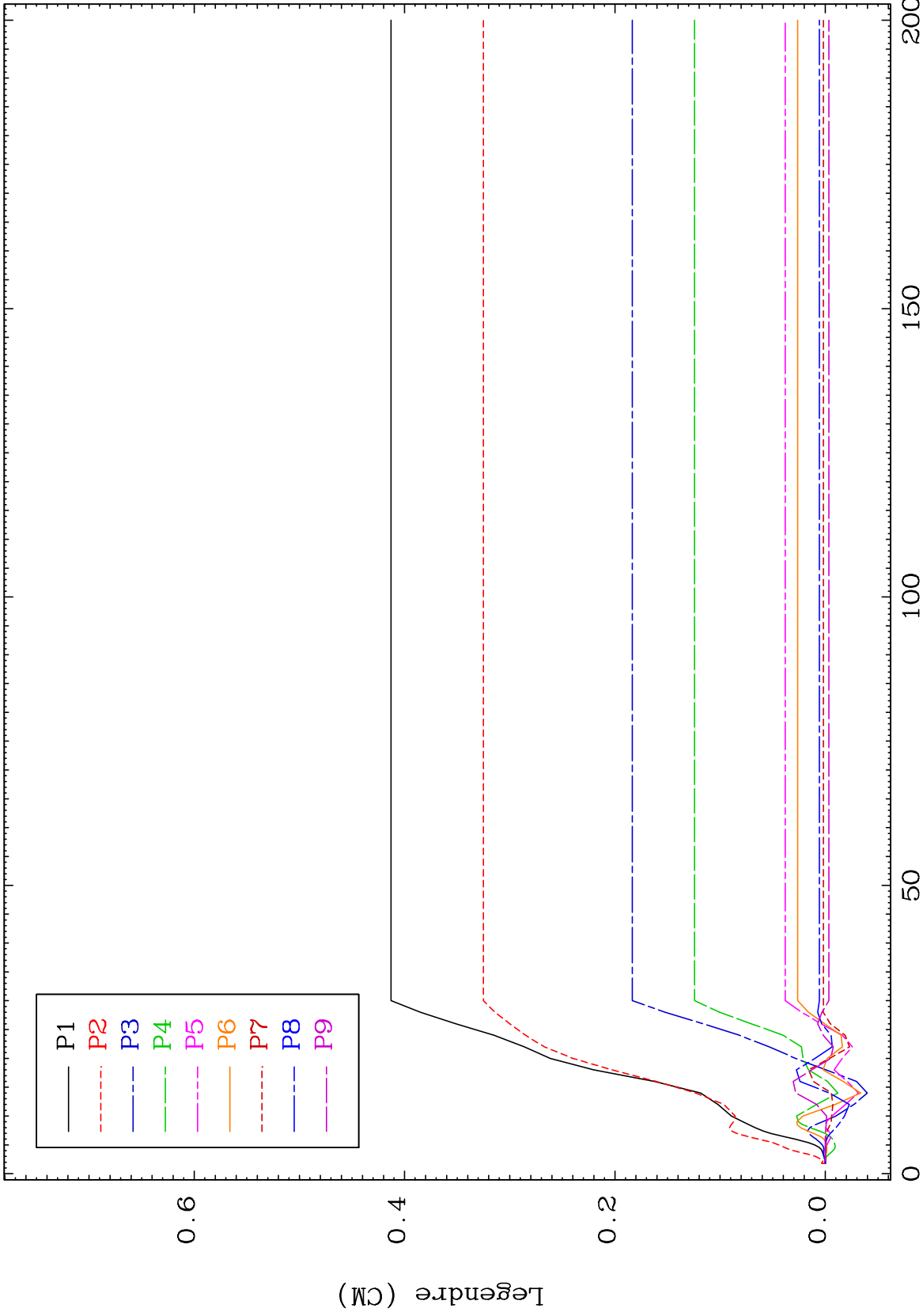
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



27

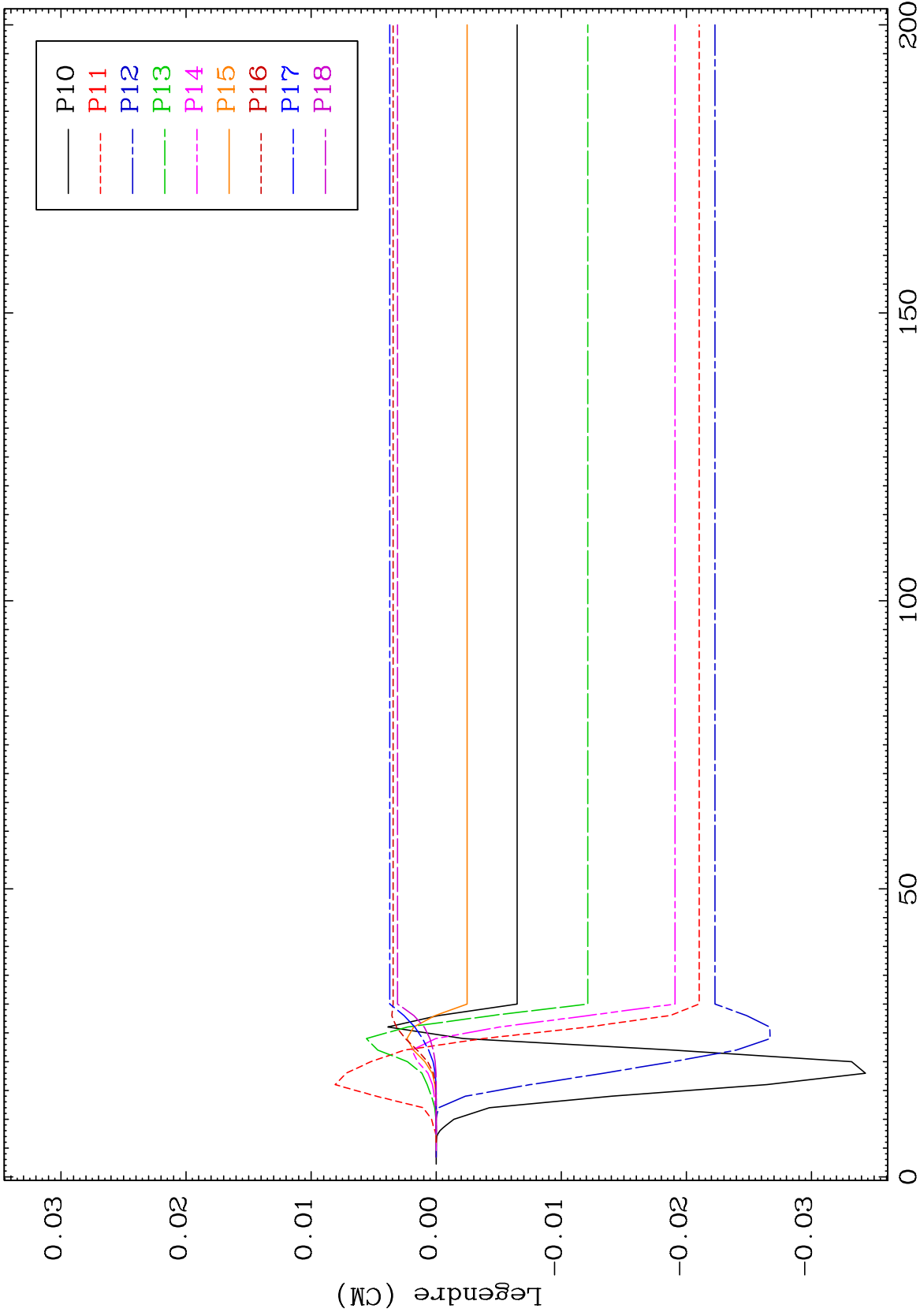
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



28

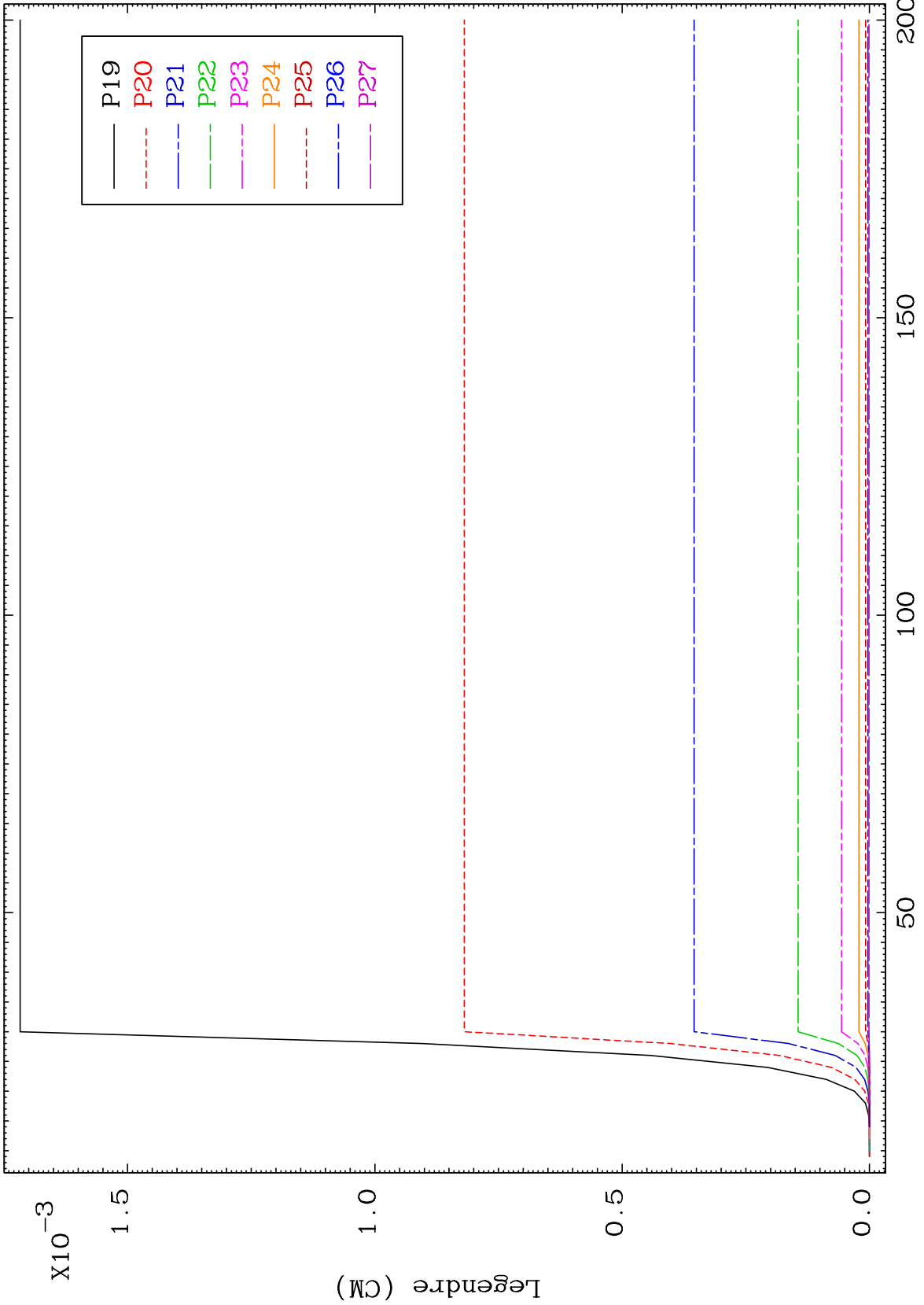
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



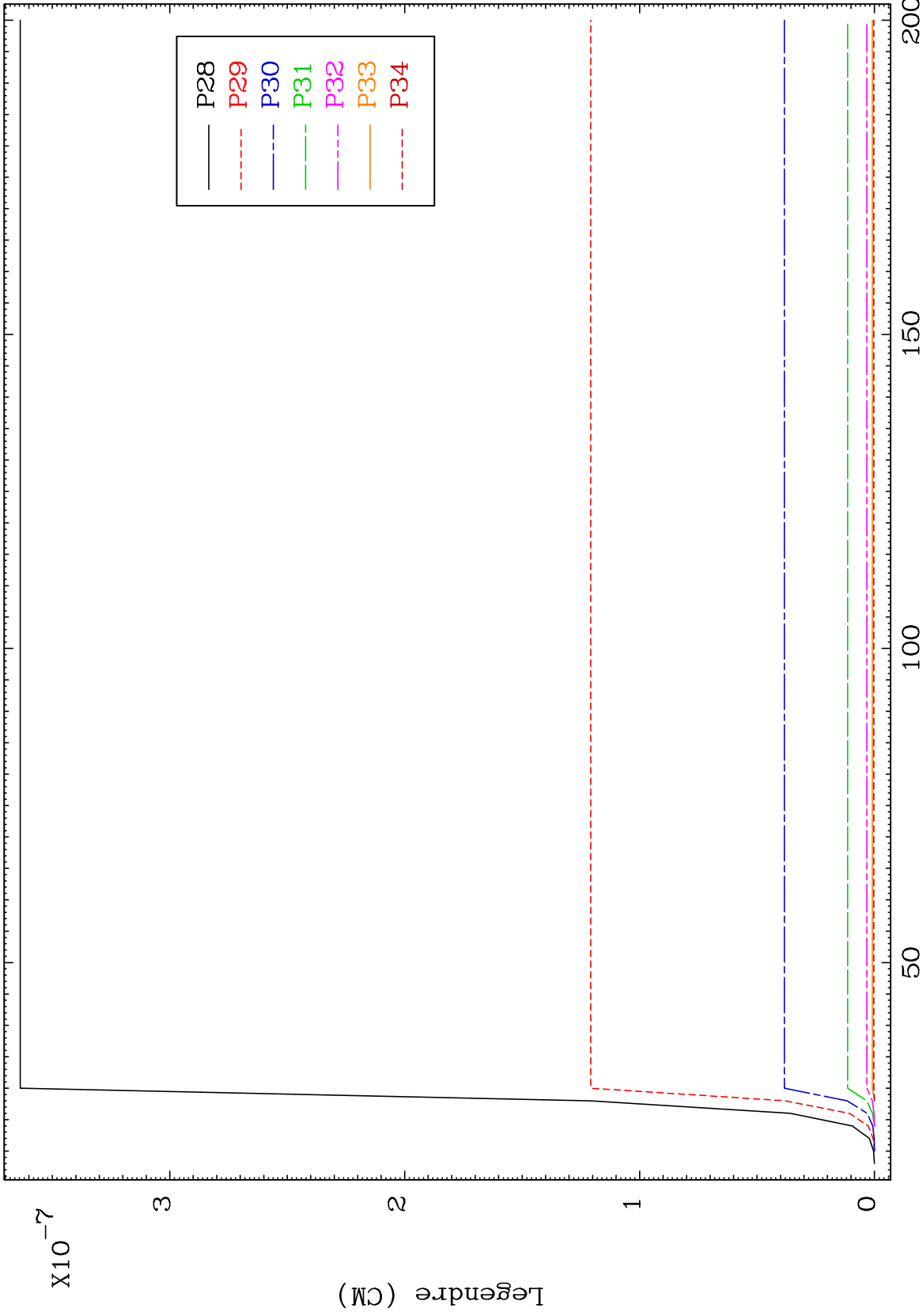
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34-Se-82

MAT 3449

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

34-Se-82



30

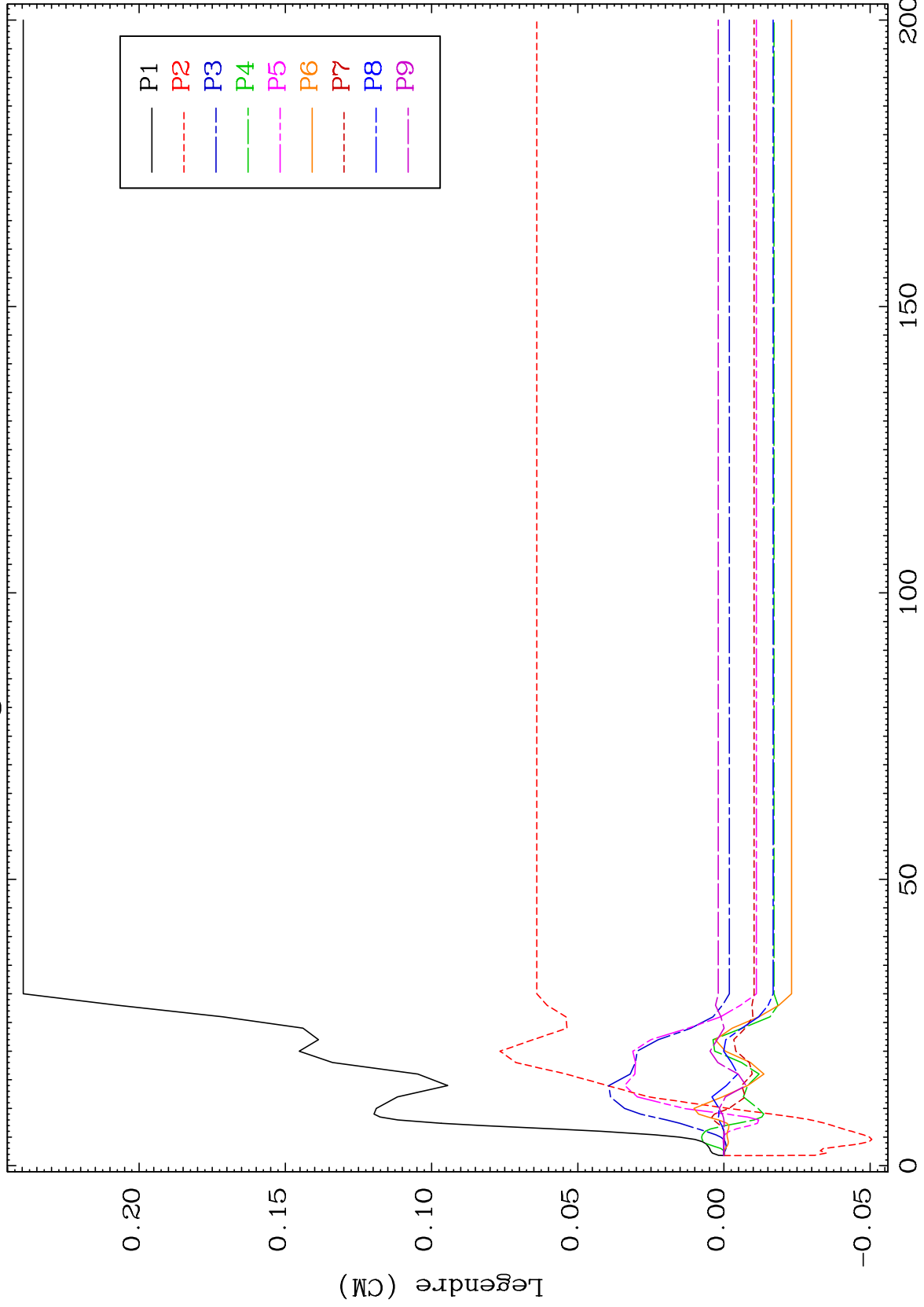
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



31

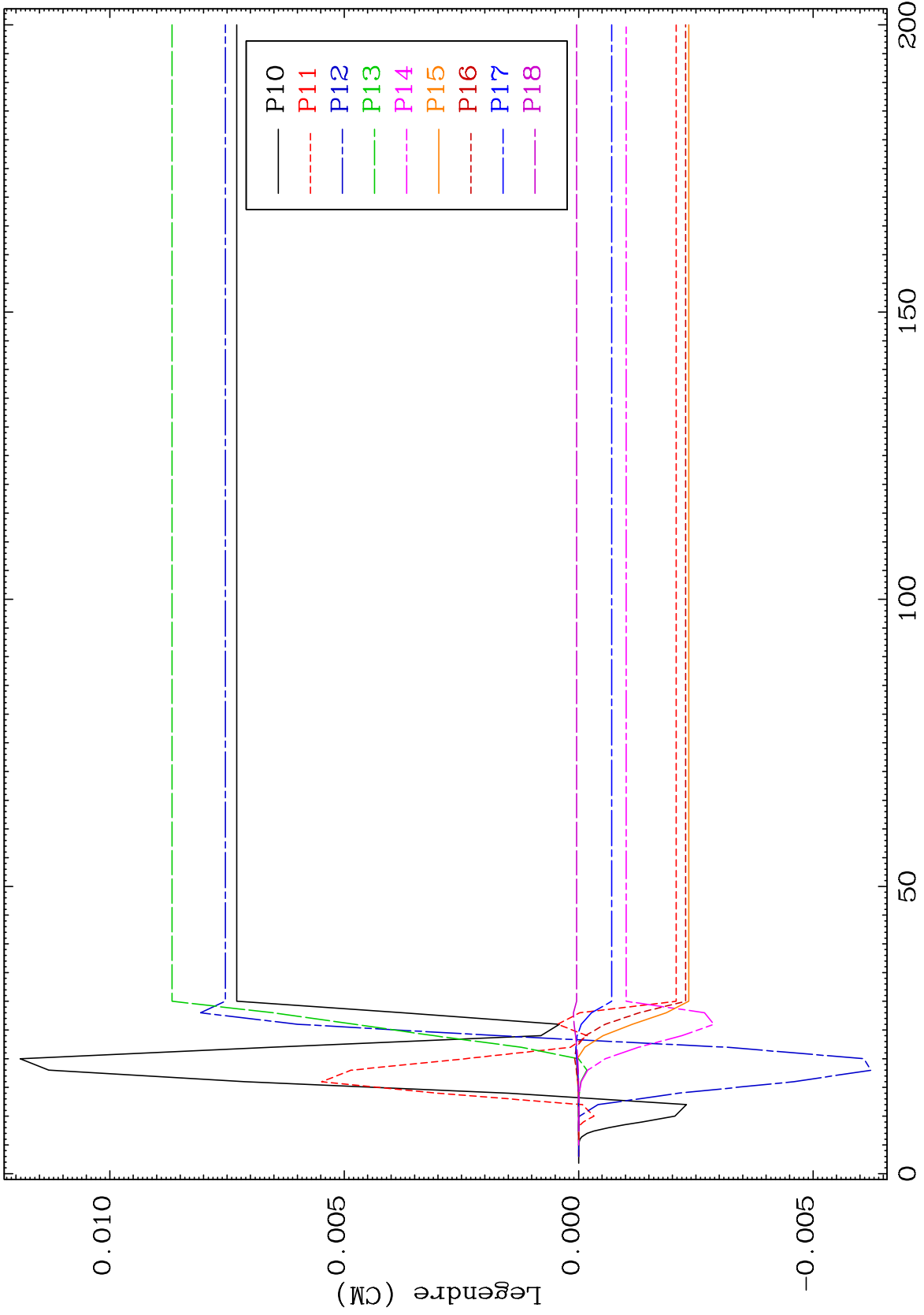
Incident Energy (MeV)

34-Se-82

MAT 3449

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

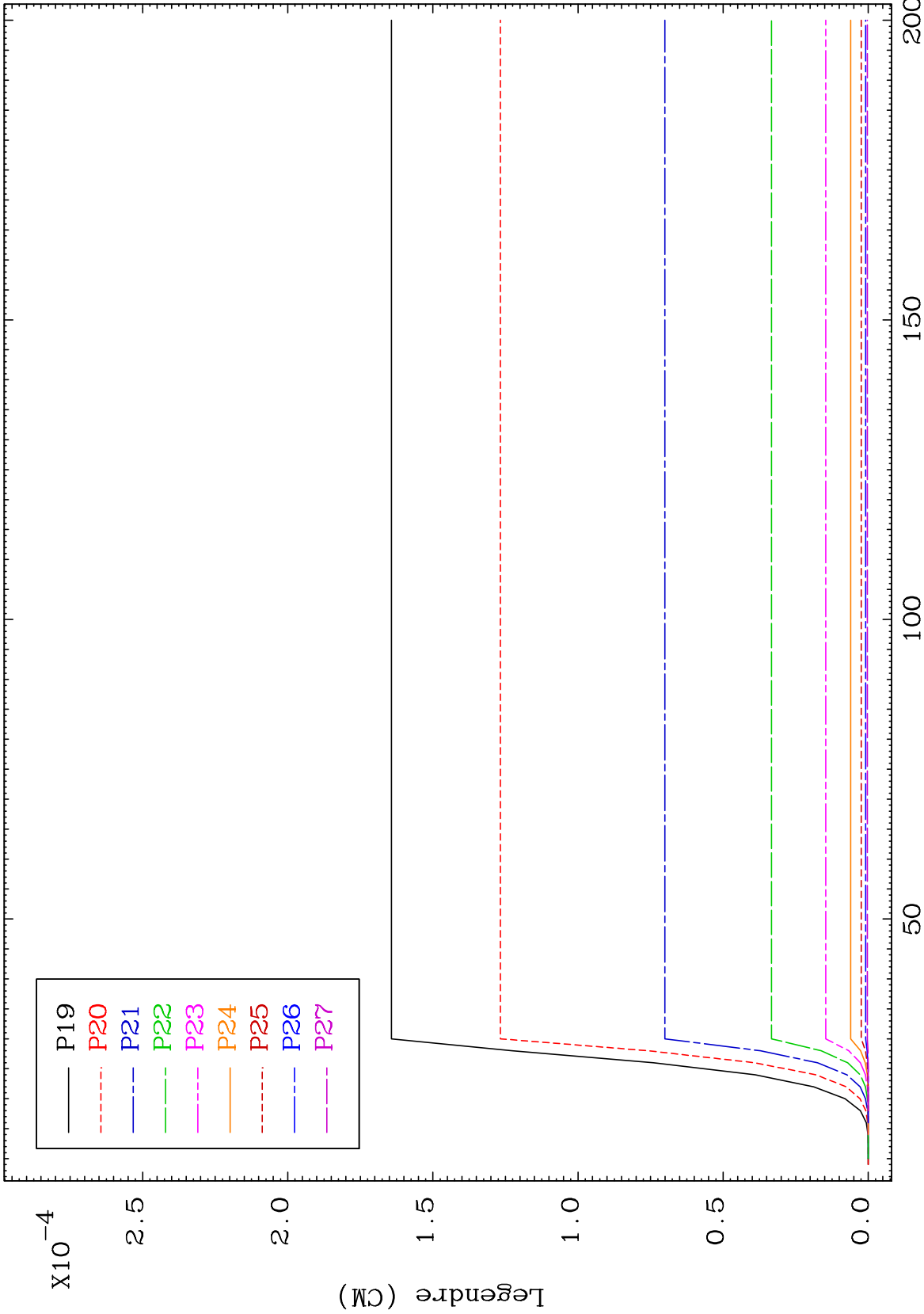
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32

Incident Energy (MeV)

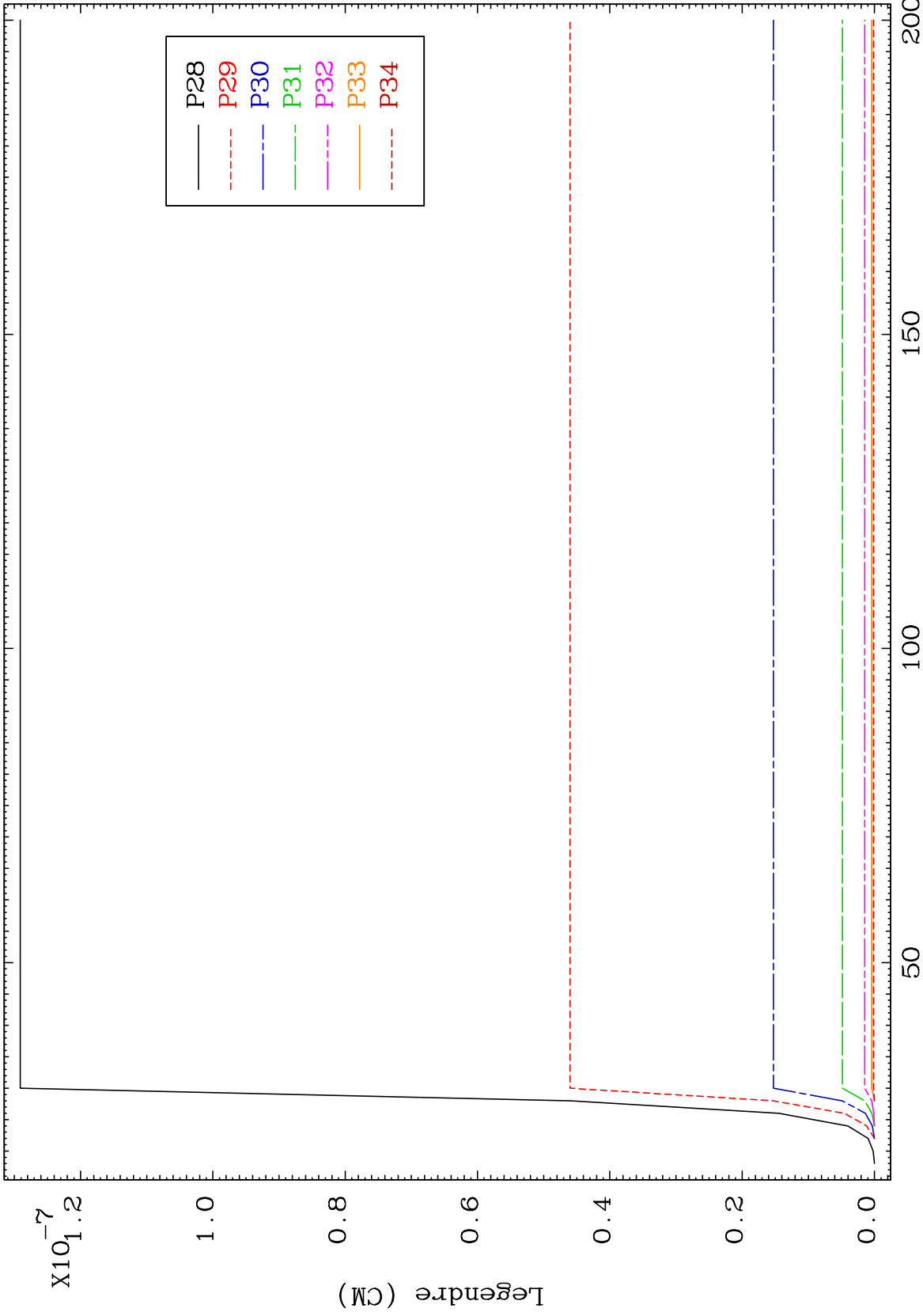
34-Se-82



MAT 3449

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

34-Se-82



34

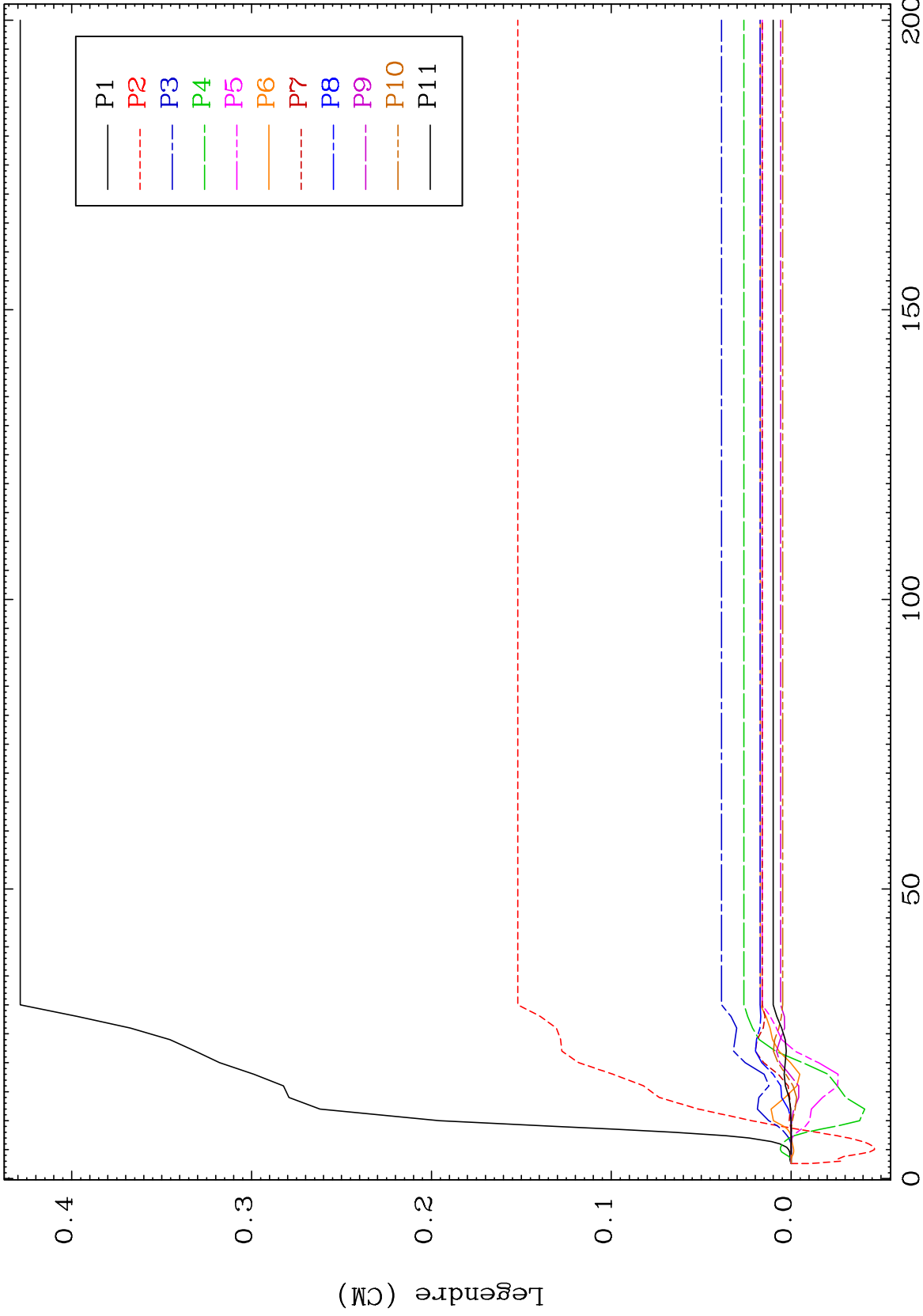
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



35

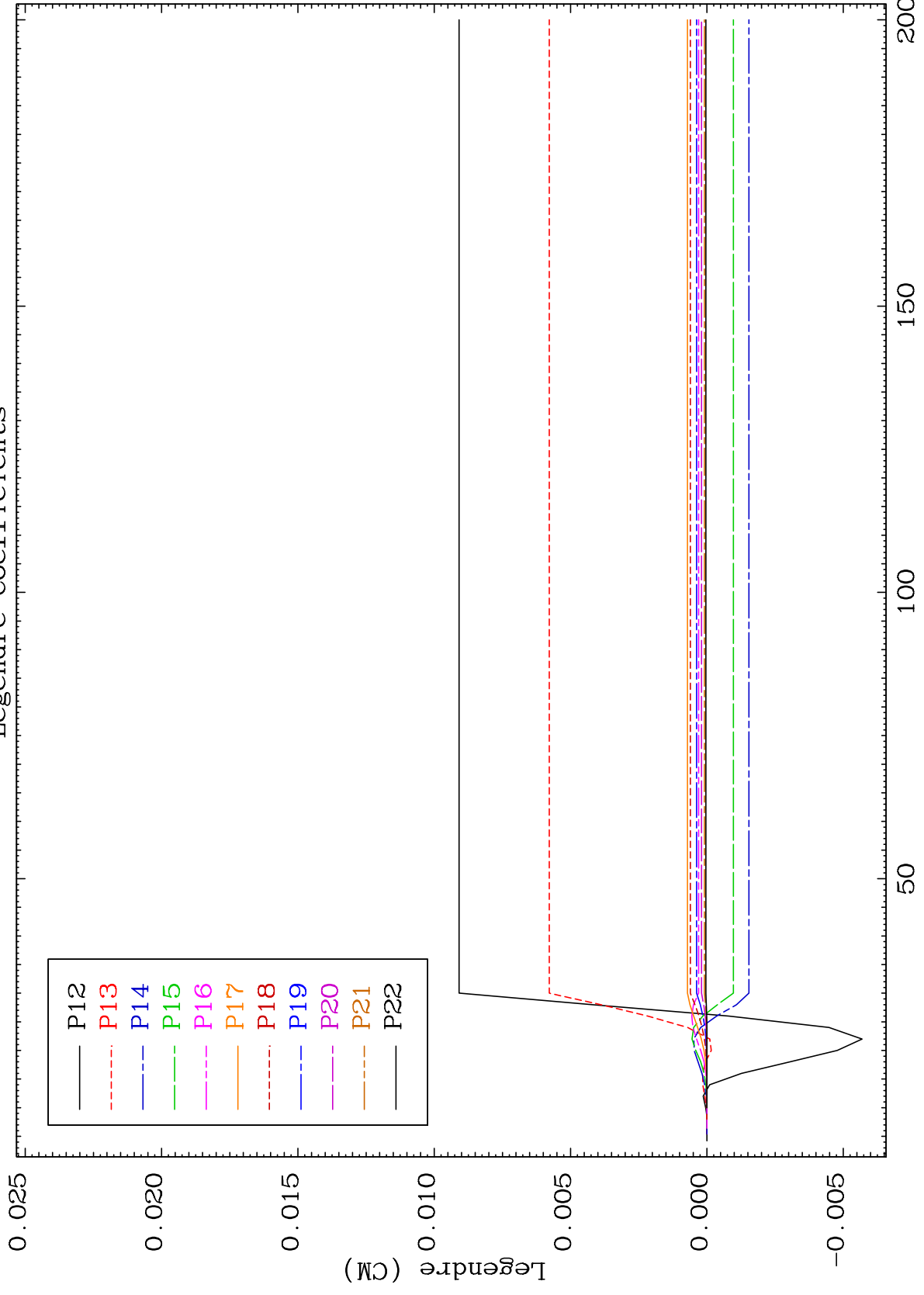
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



36

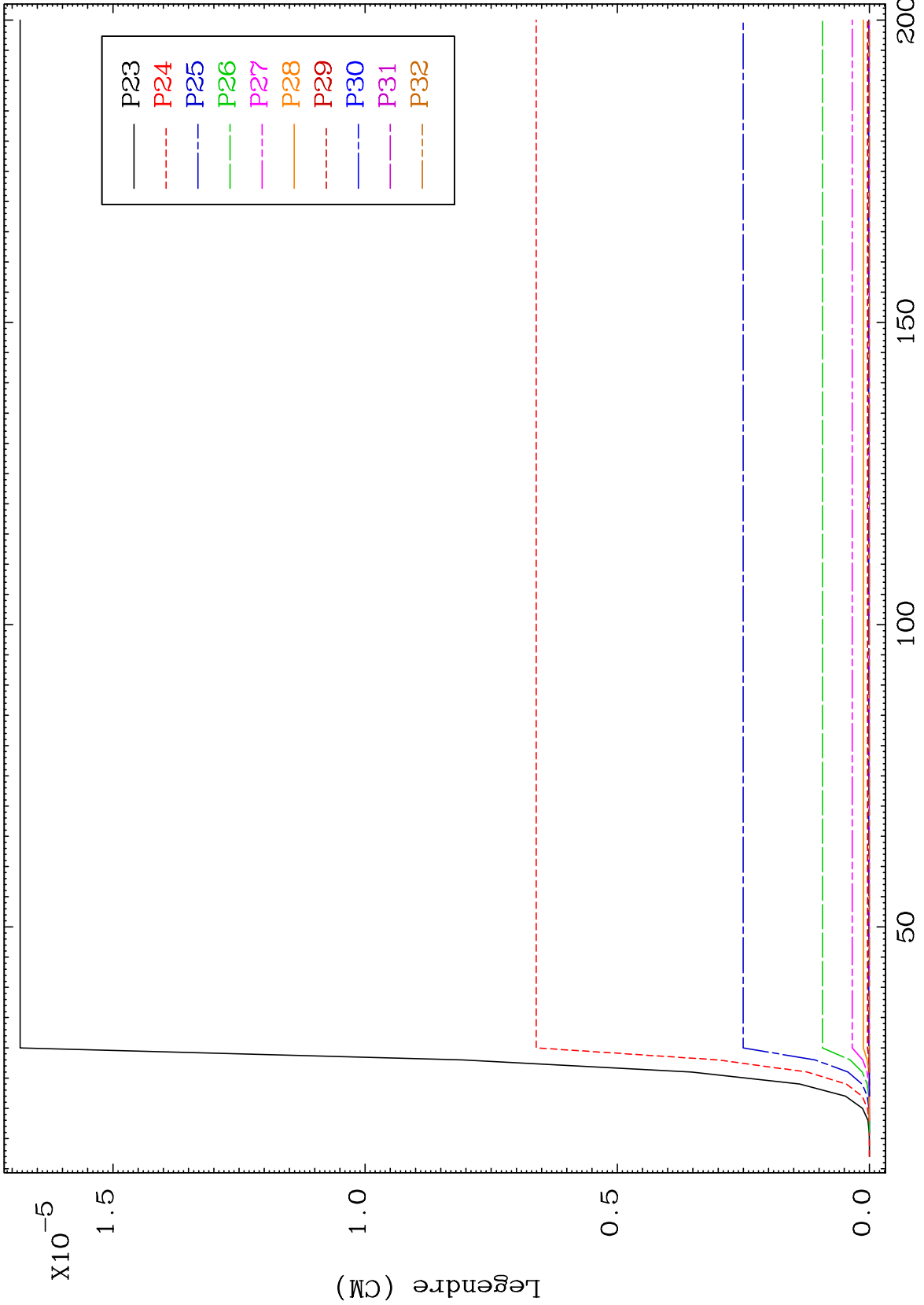
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



37

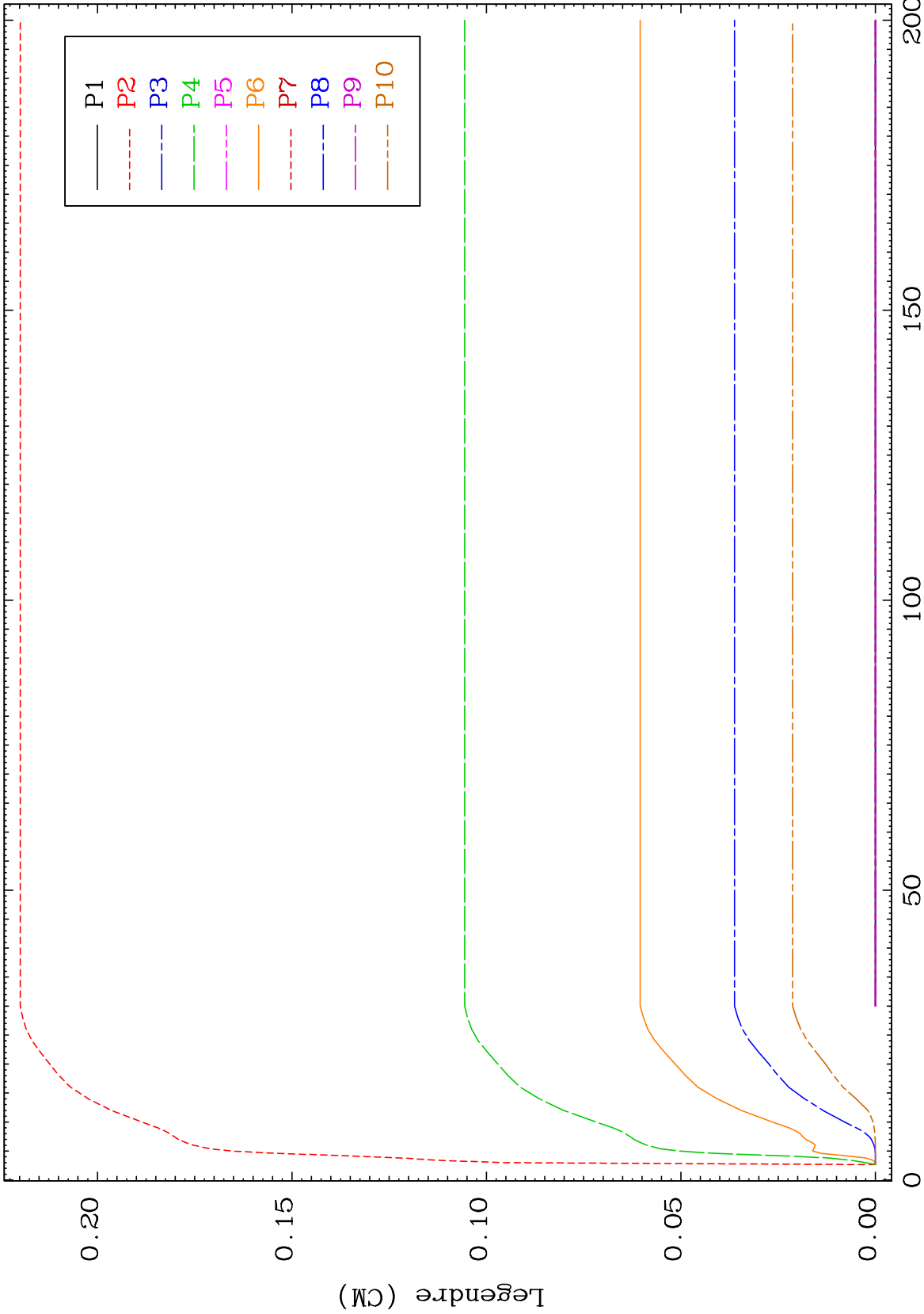
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



38

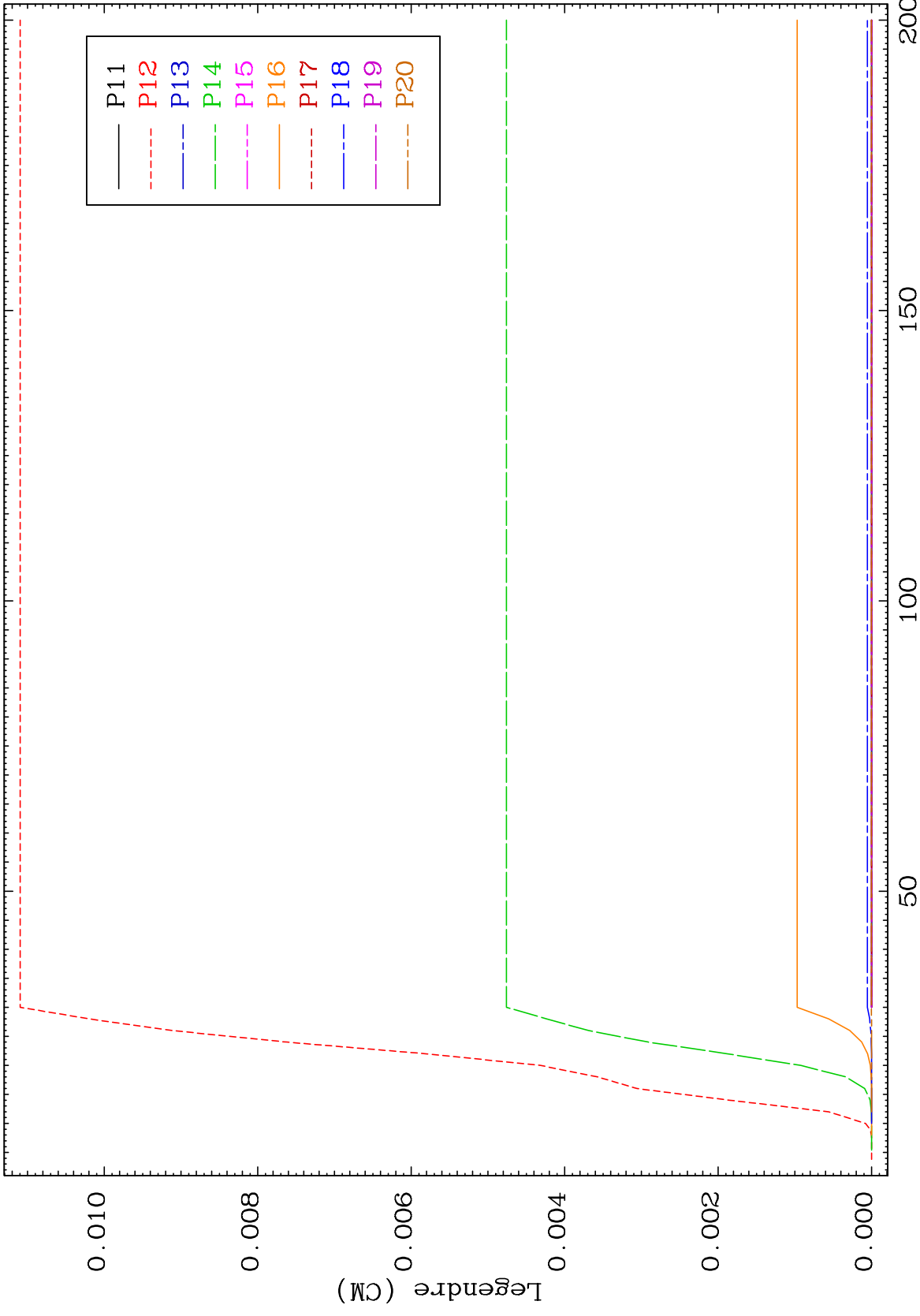
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



39

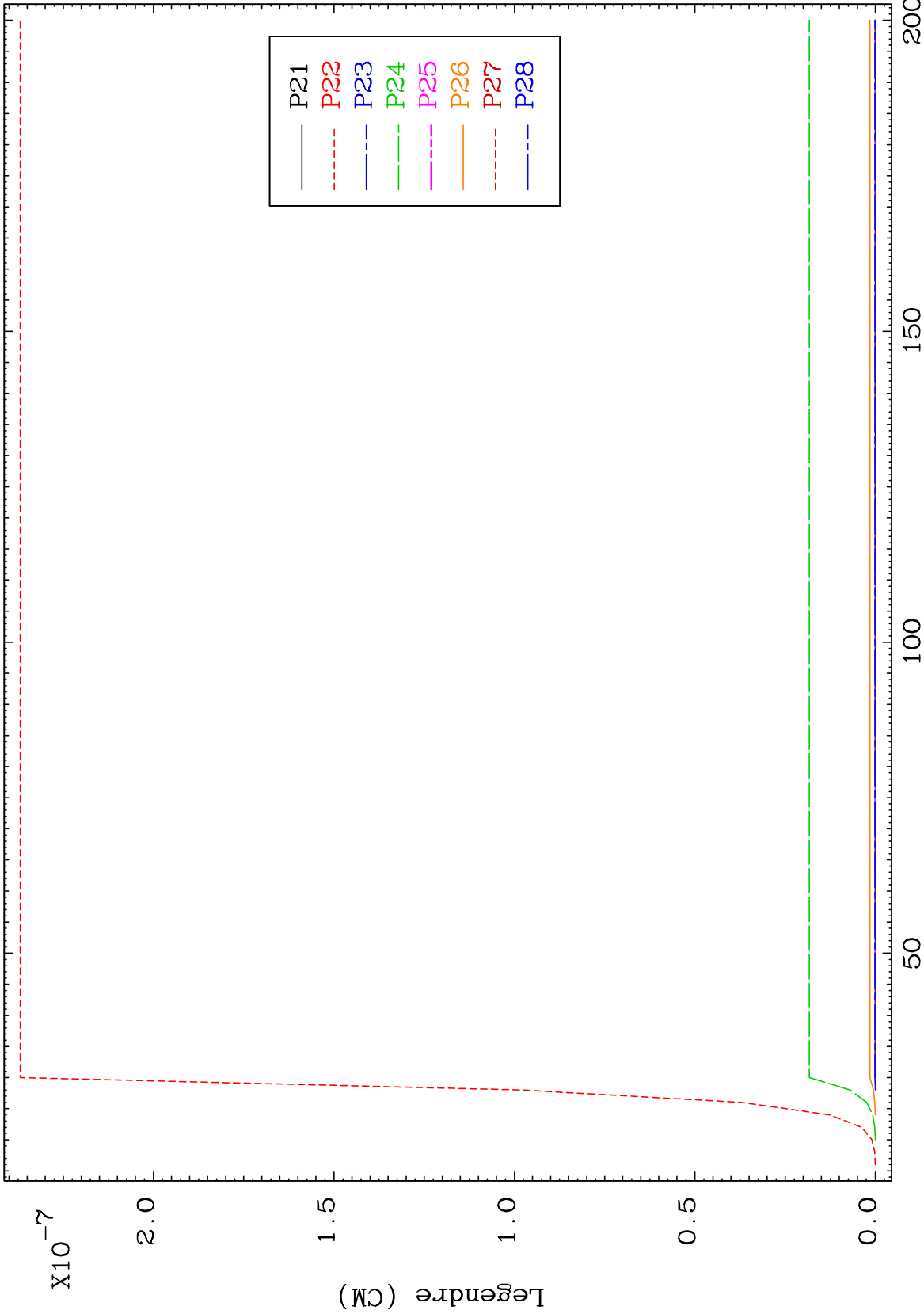
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



40

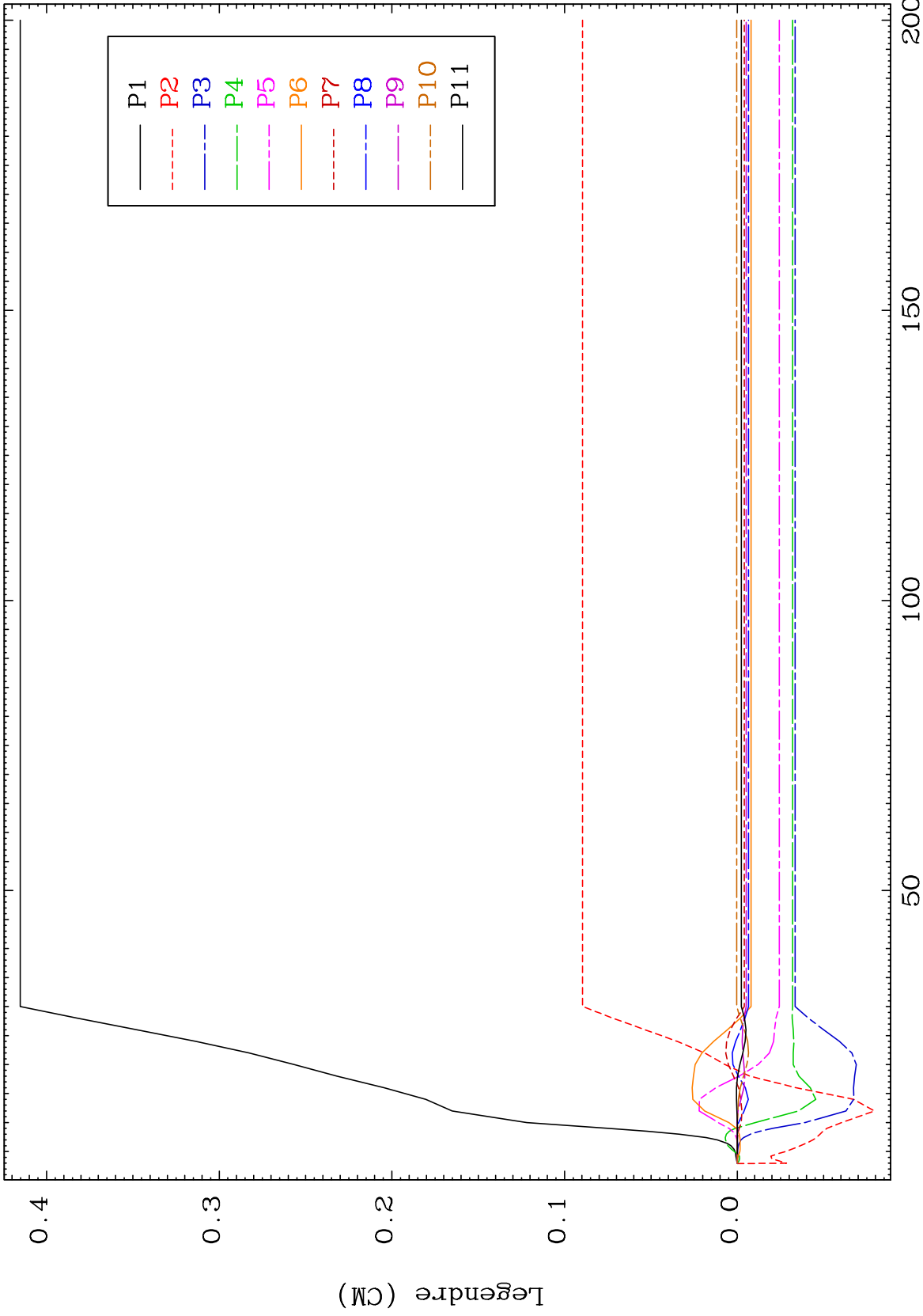
Incident Energy (MeV)

34-Se-82

MAT 3449

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

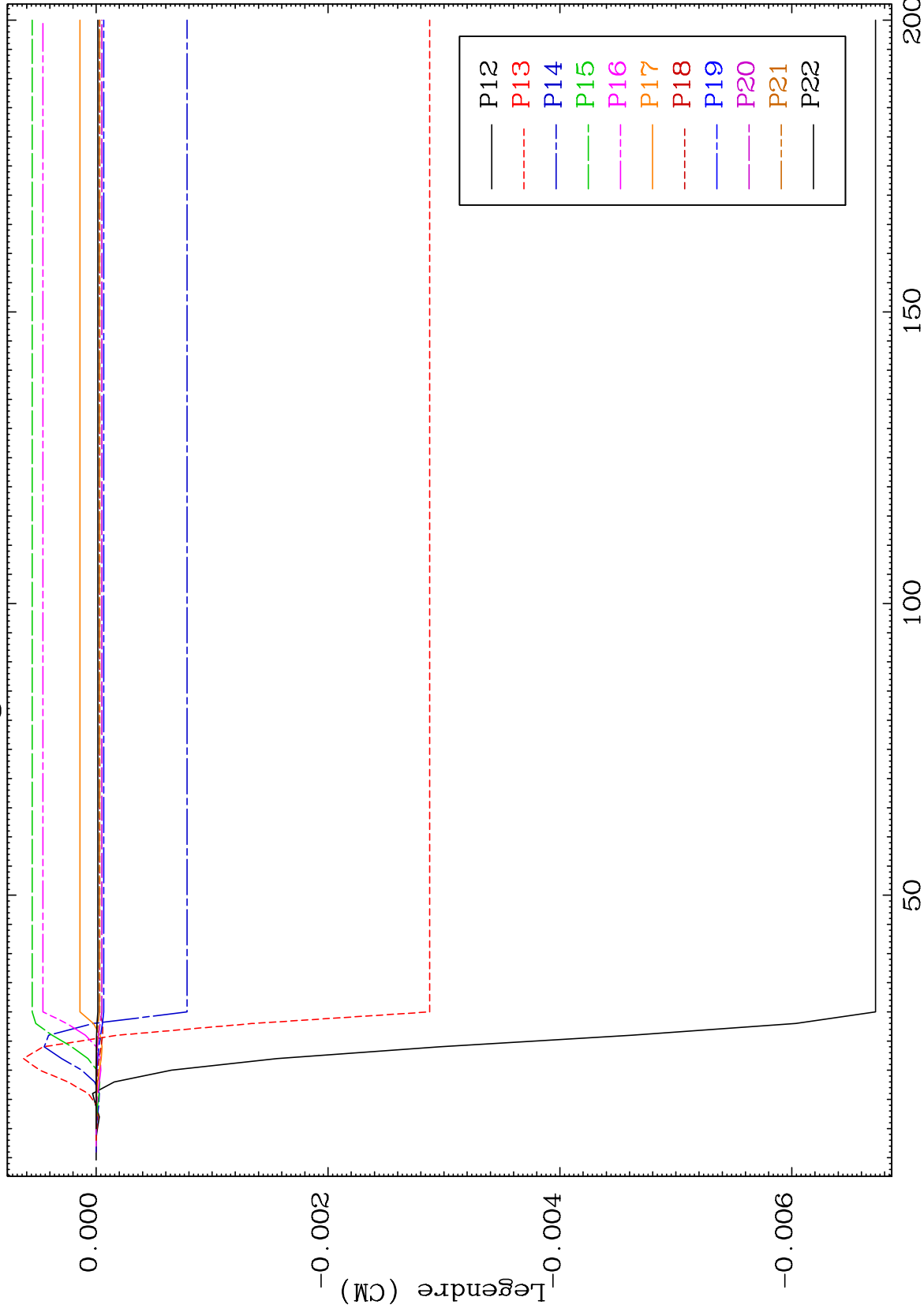
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MAT 3449

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

34-Se-82



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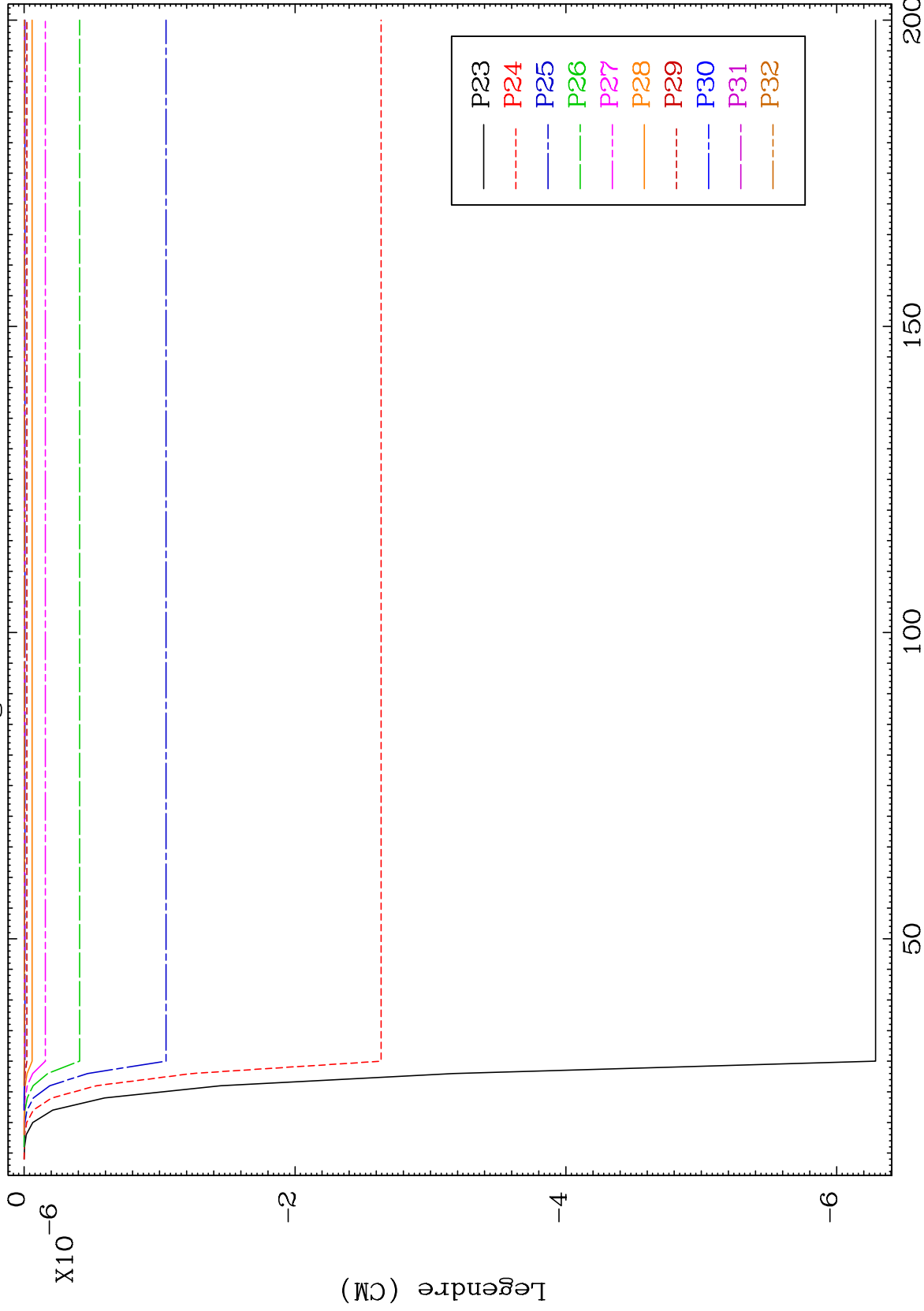
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



43

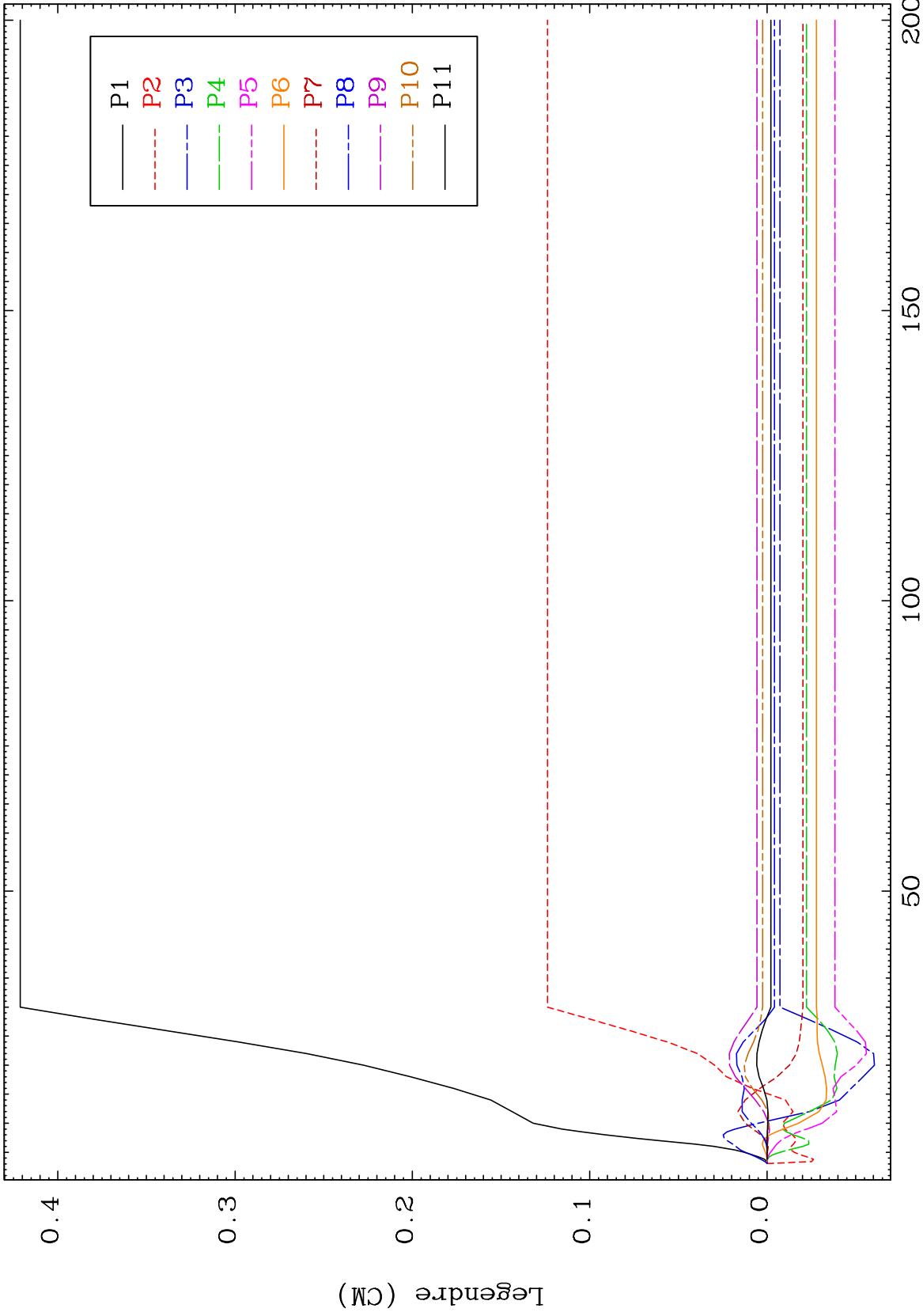
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



44

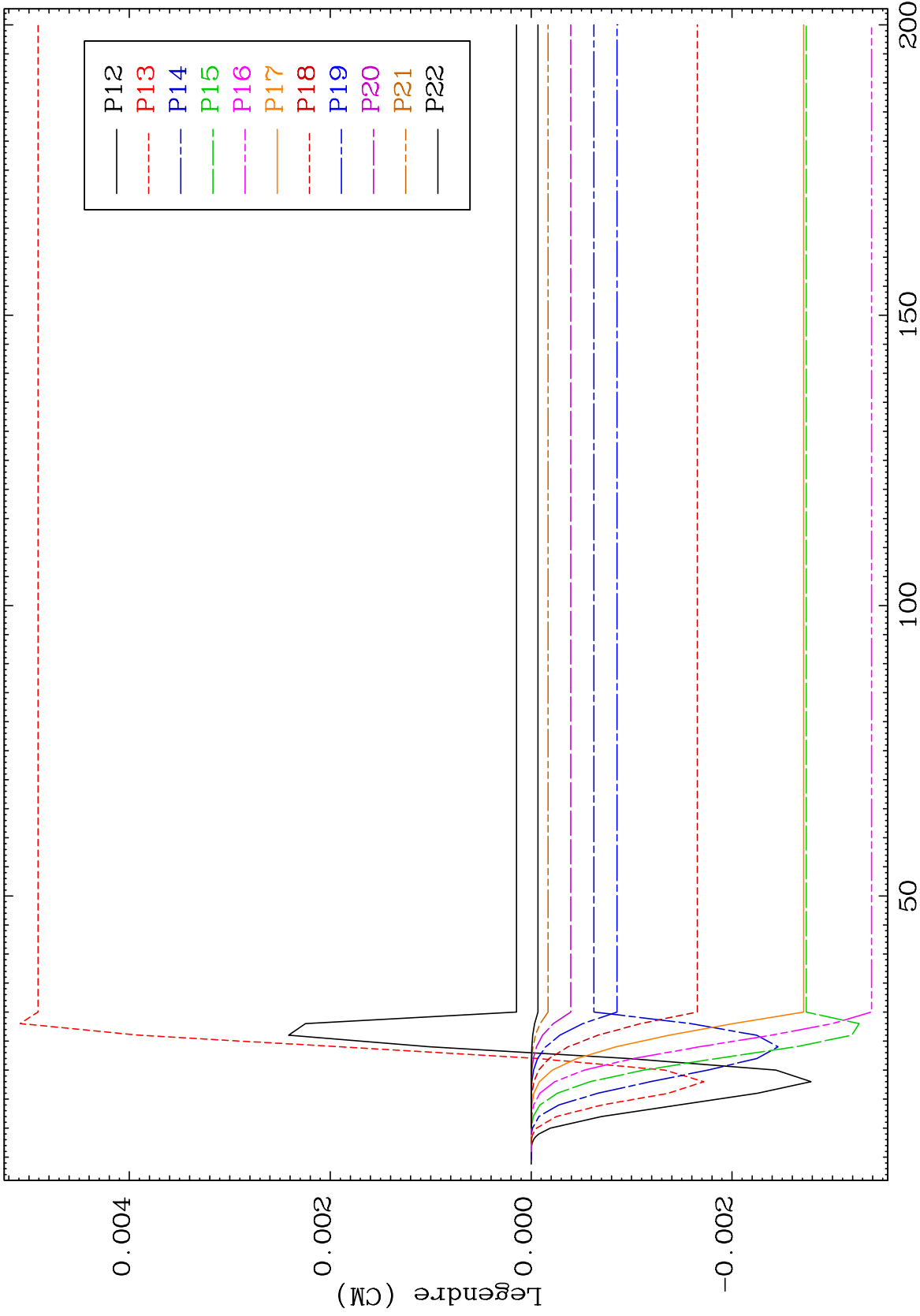
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



45

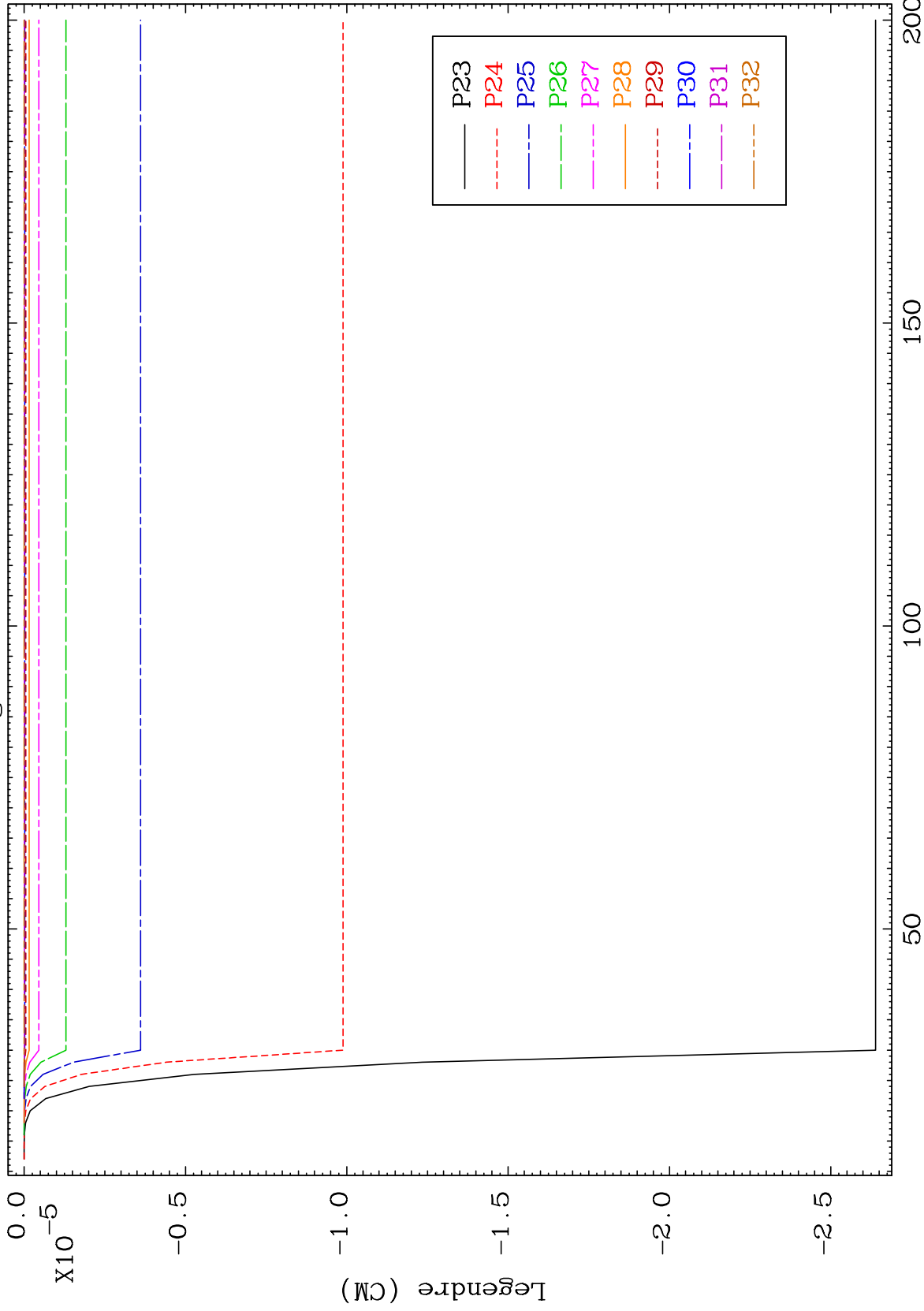
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



46

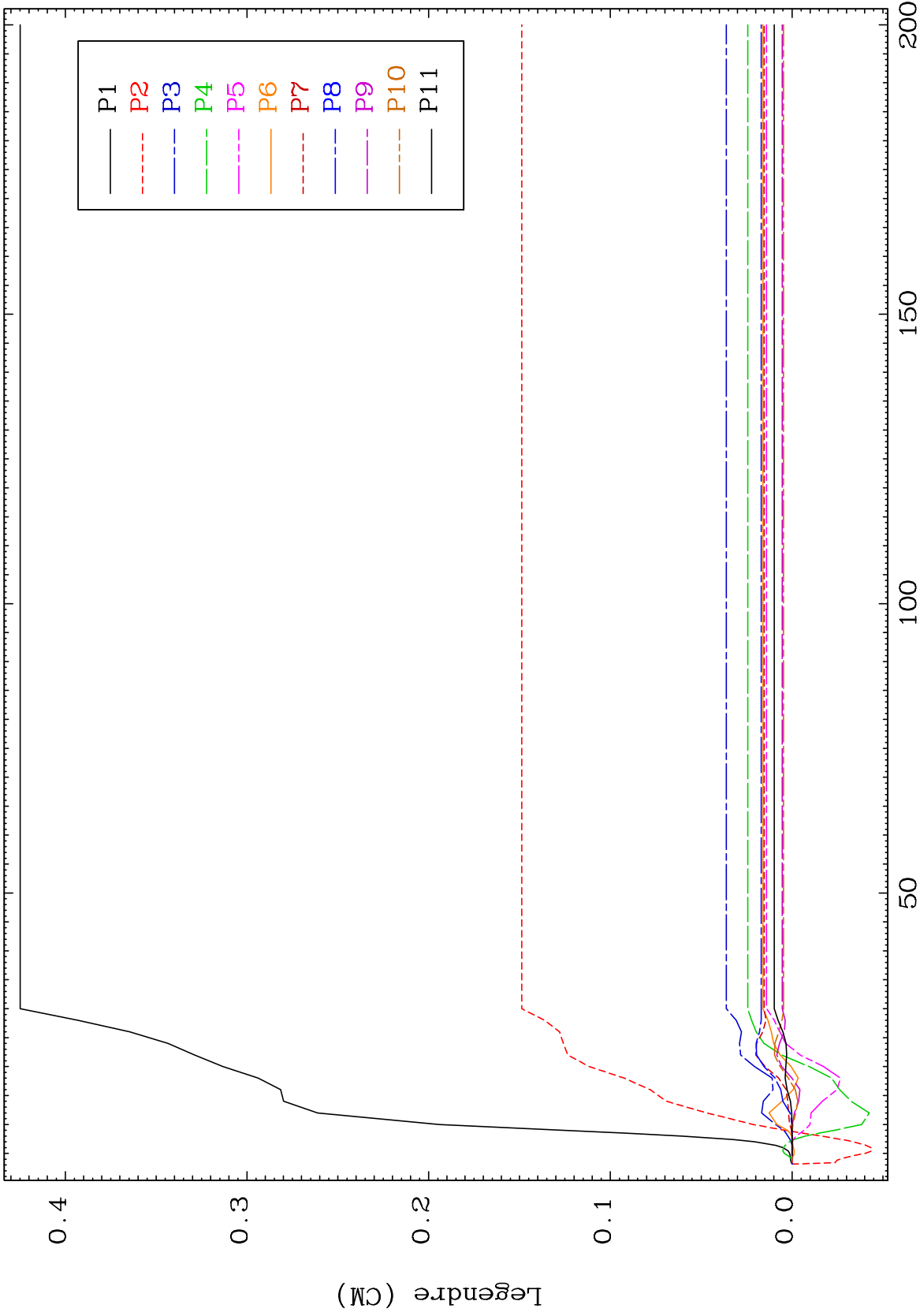
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



47

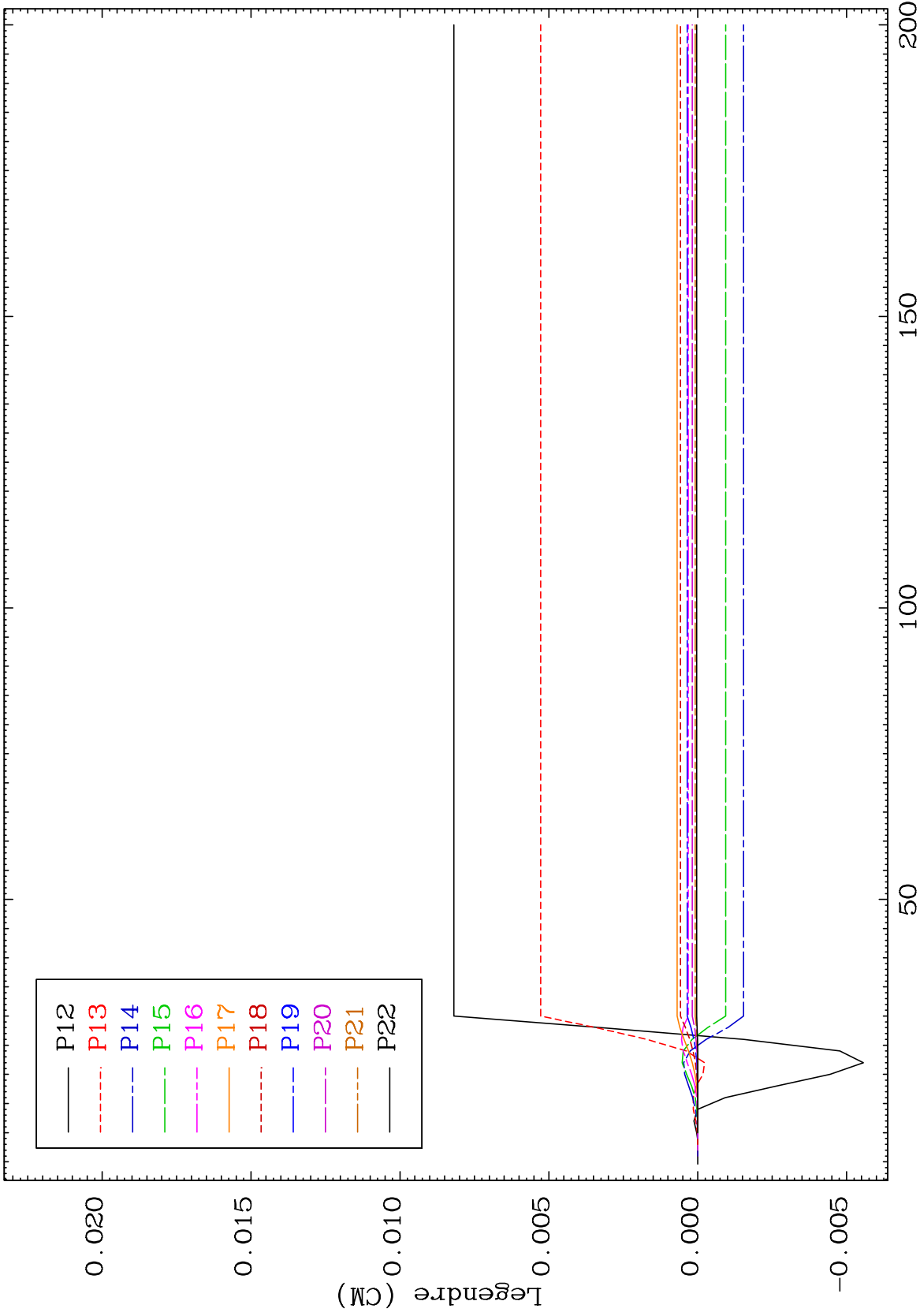
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



48

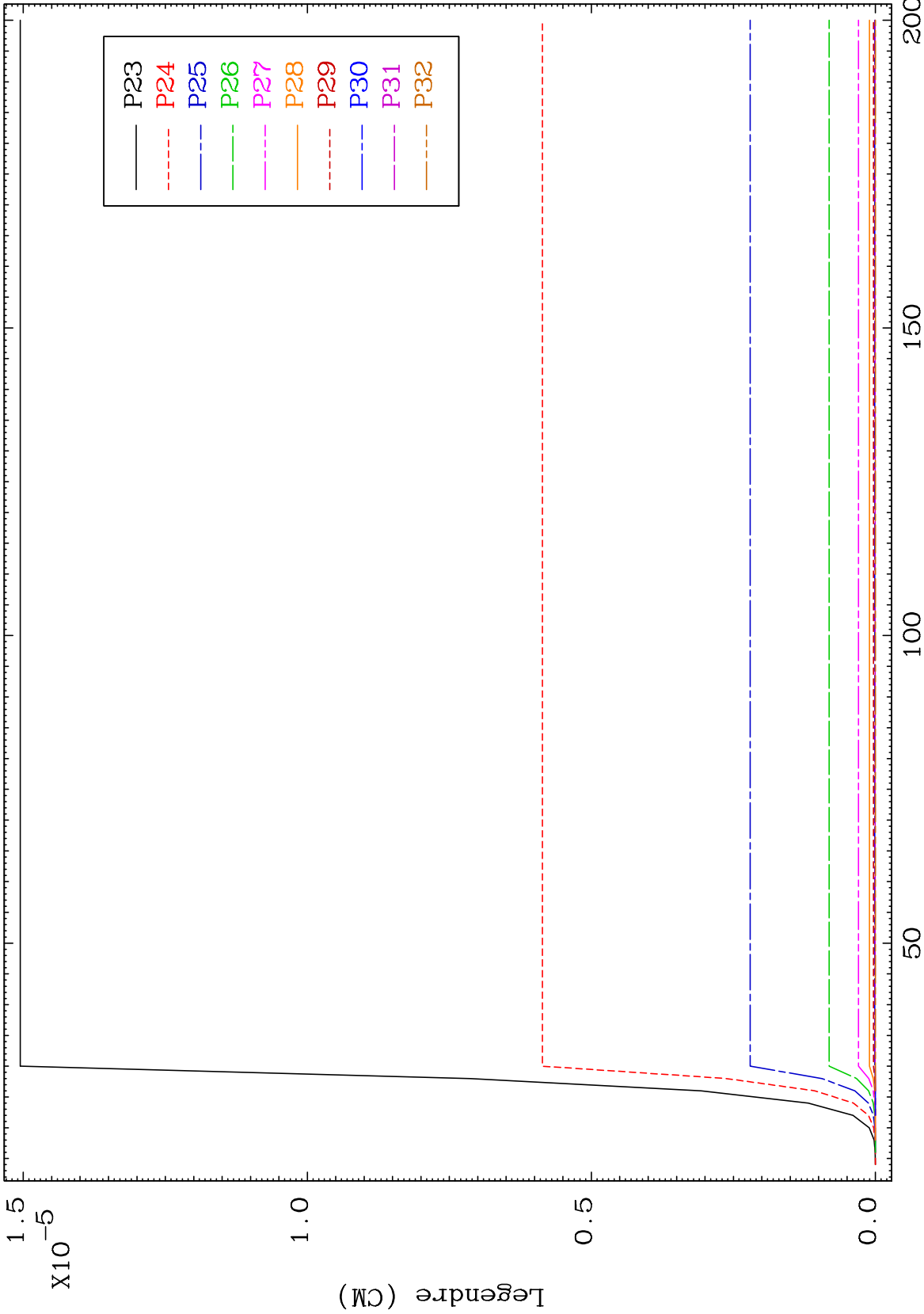
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



49

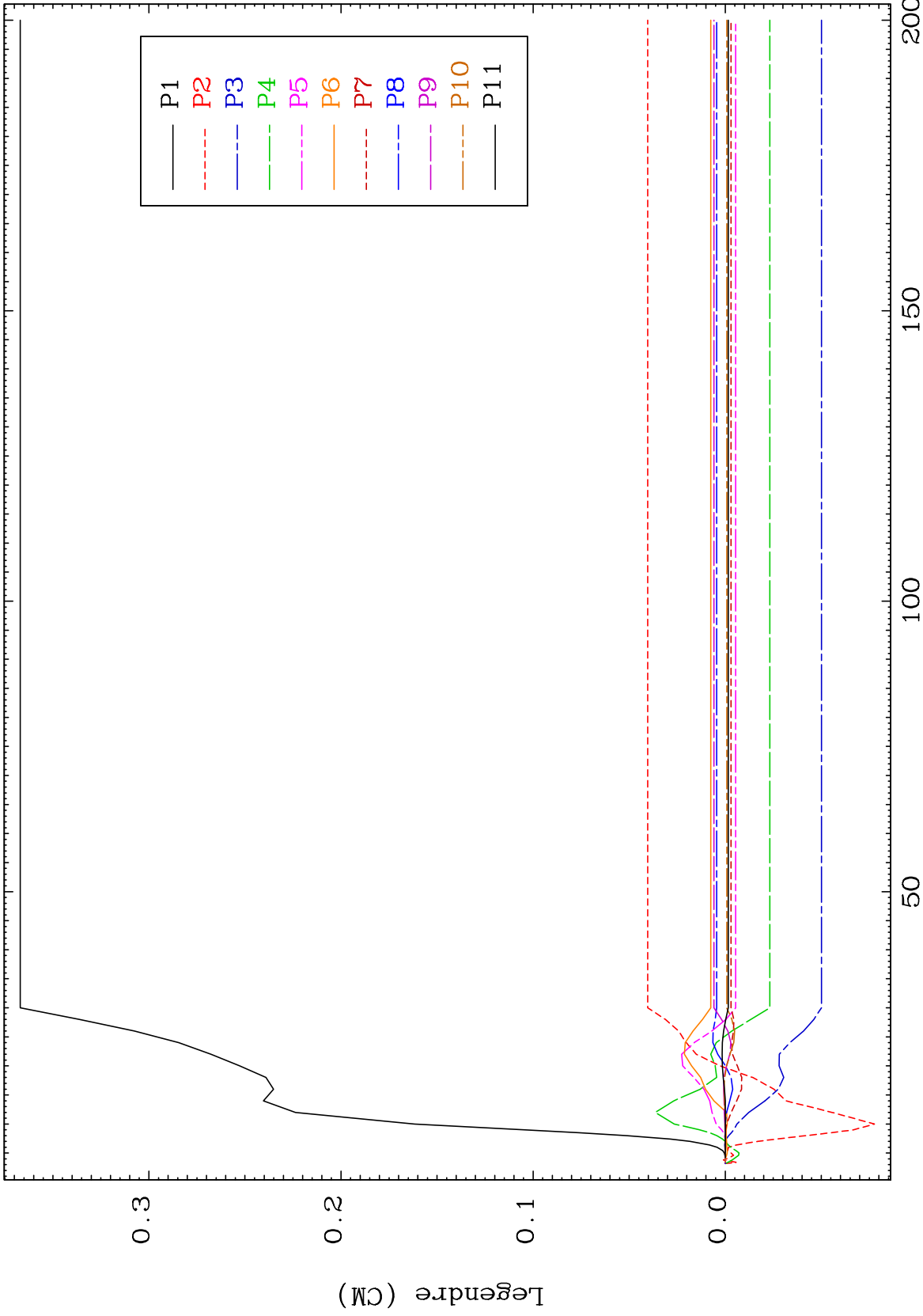
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



50

Incident Energy (MeV)

50

150

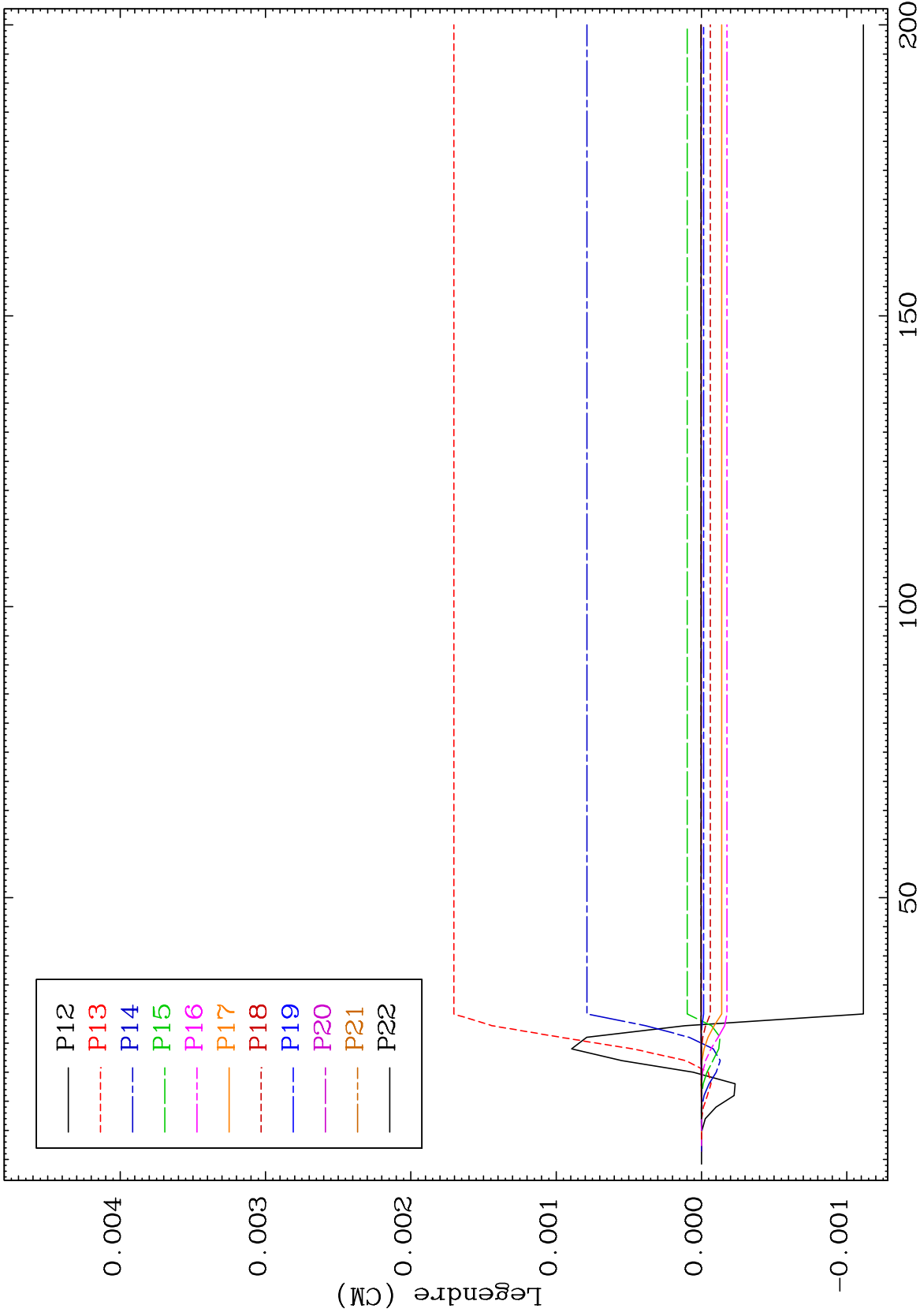
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34-Se-82

MAT 3449

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

34-Se-82



51

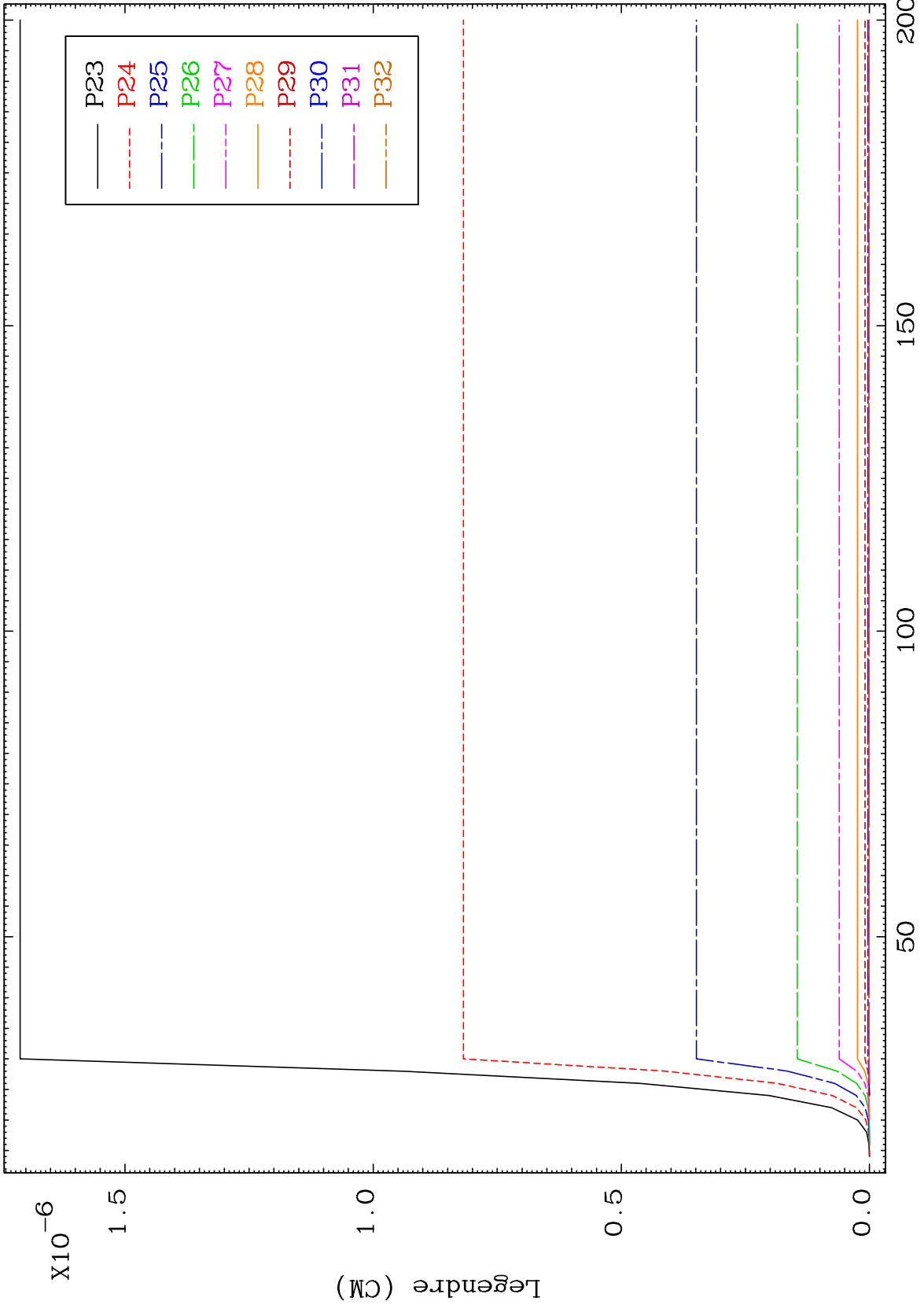
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



52

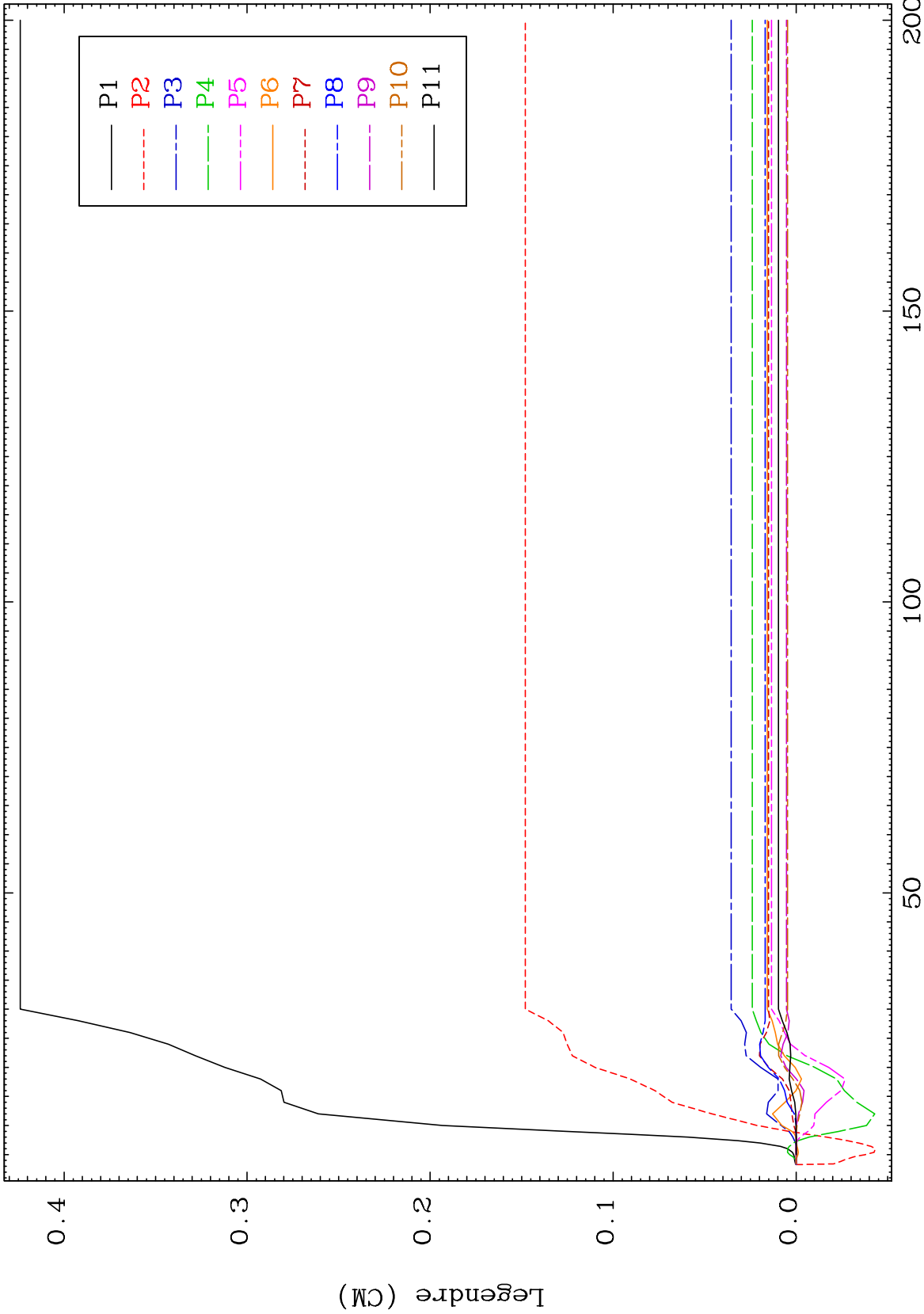
Incident Energy (MeV)

34-Se-82

MAT 3449

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

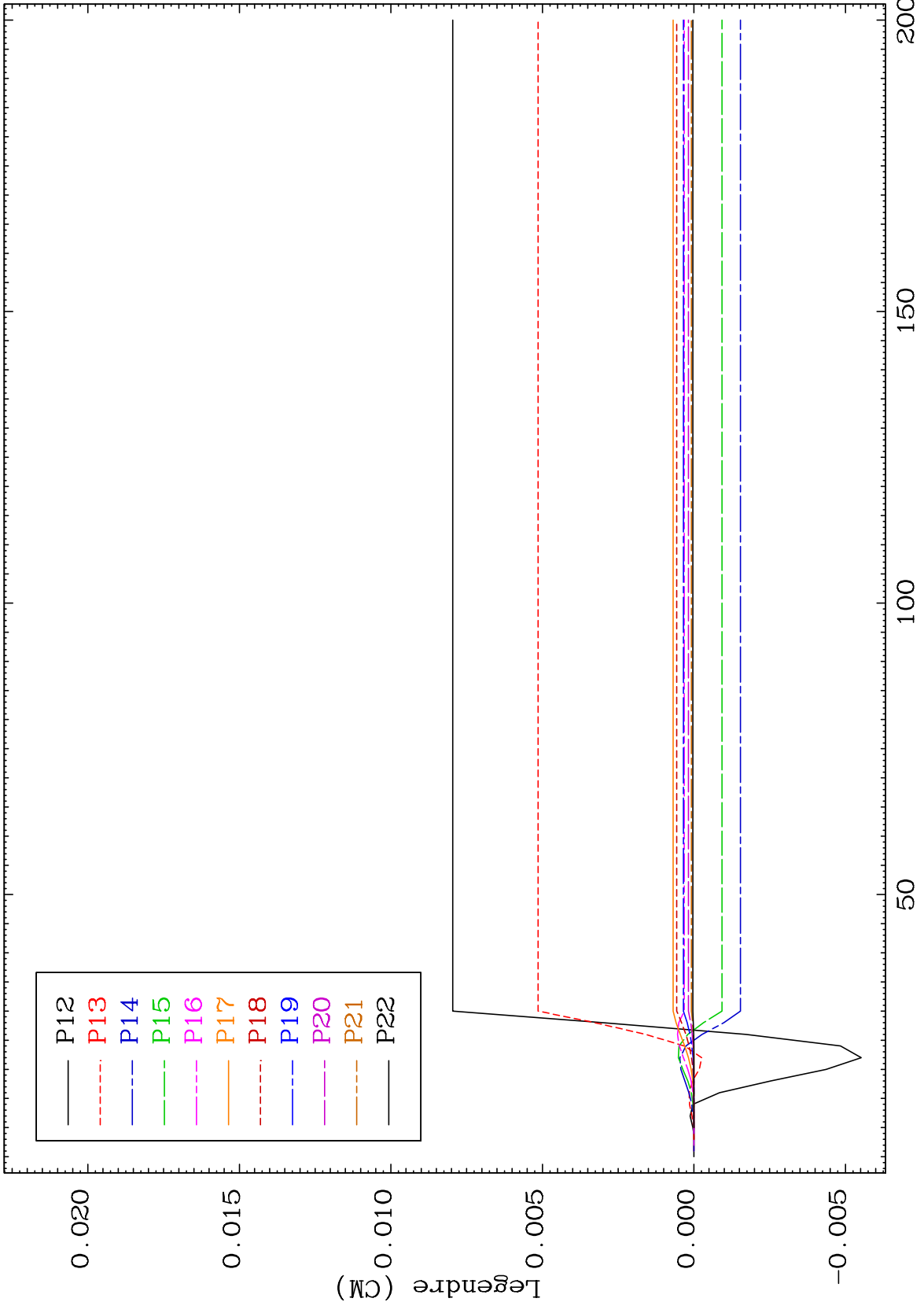
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53

Incident Energy (MeV)

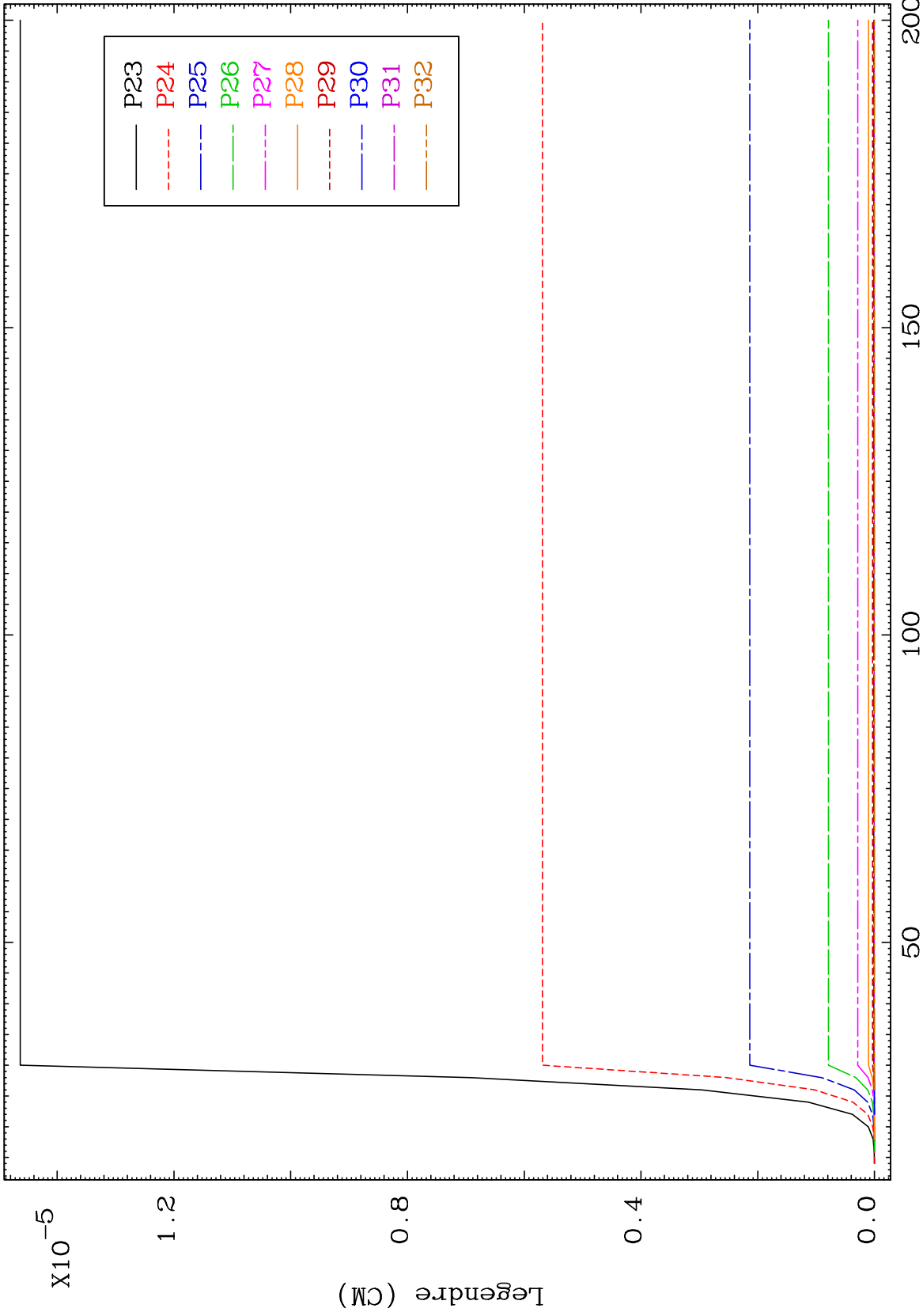
34-Se-82



MAT 3449

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

34-Se-82



55

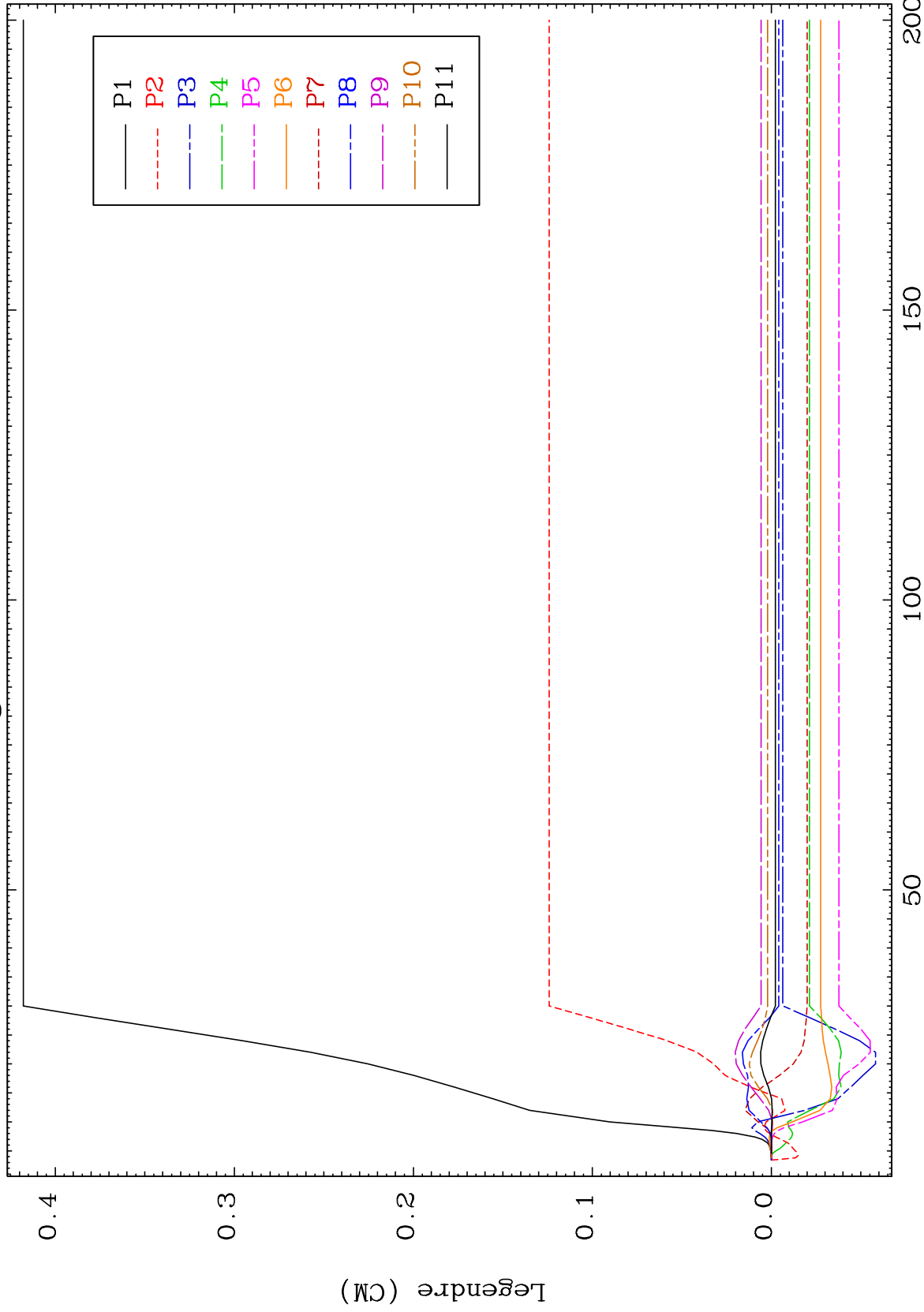
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



56

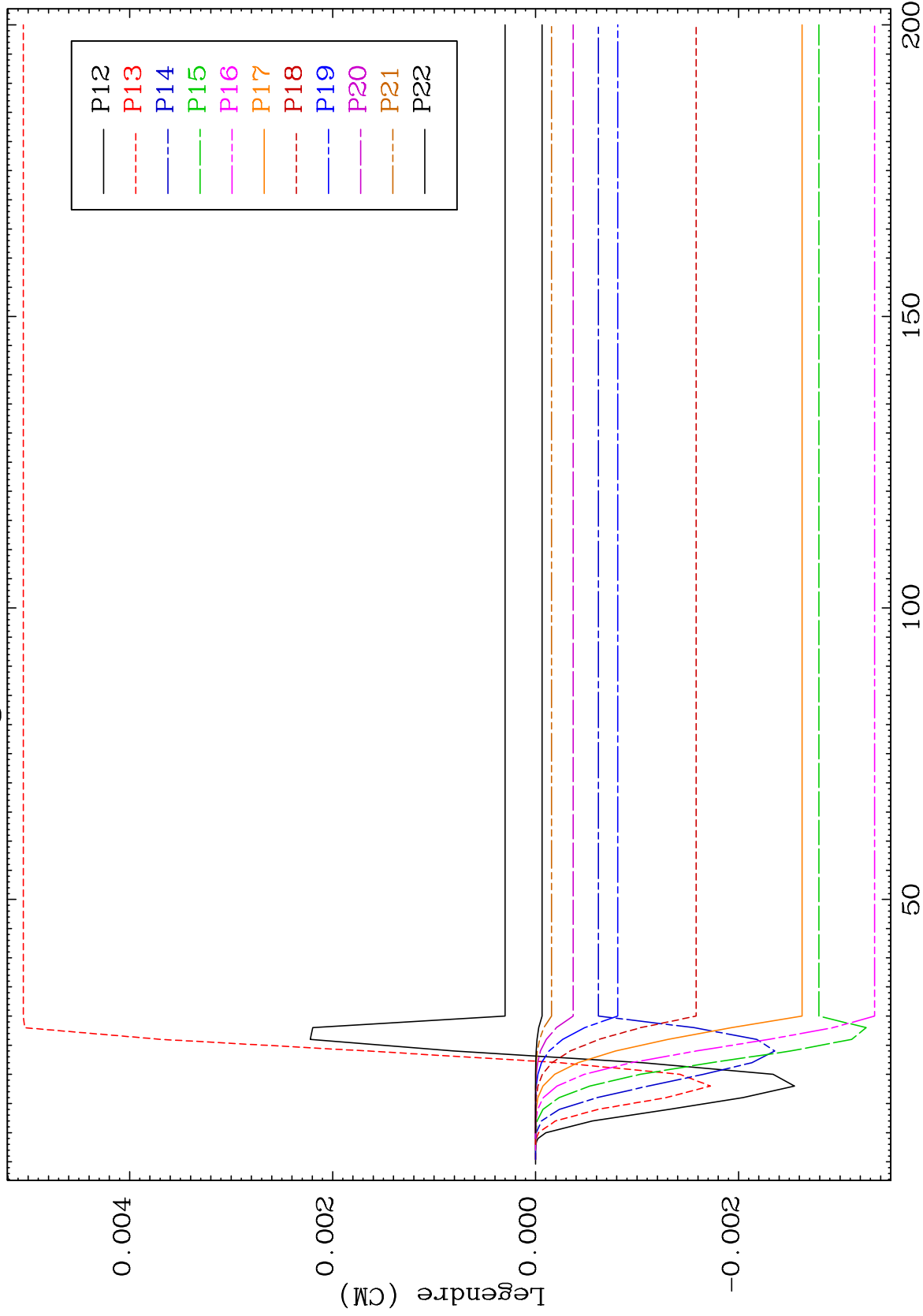
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



57

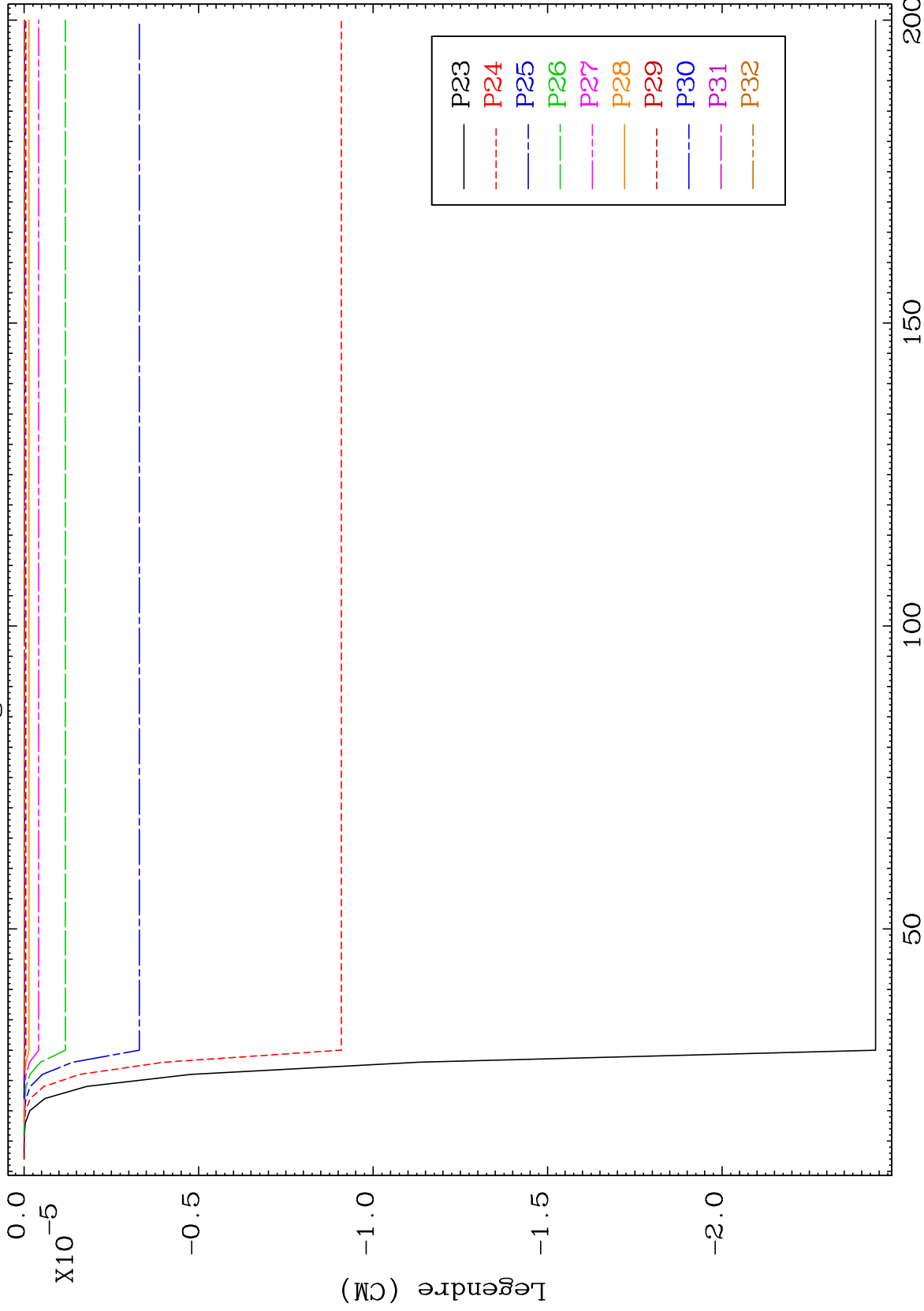
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



58

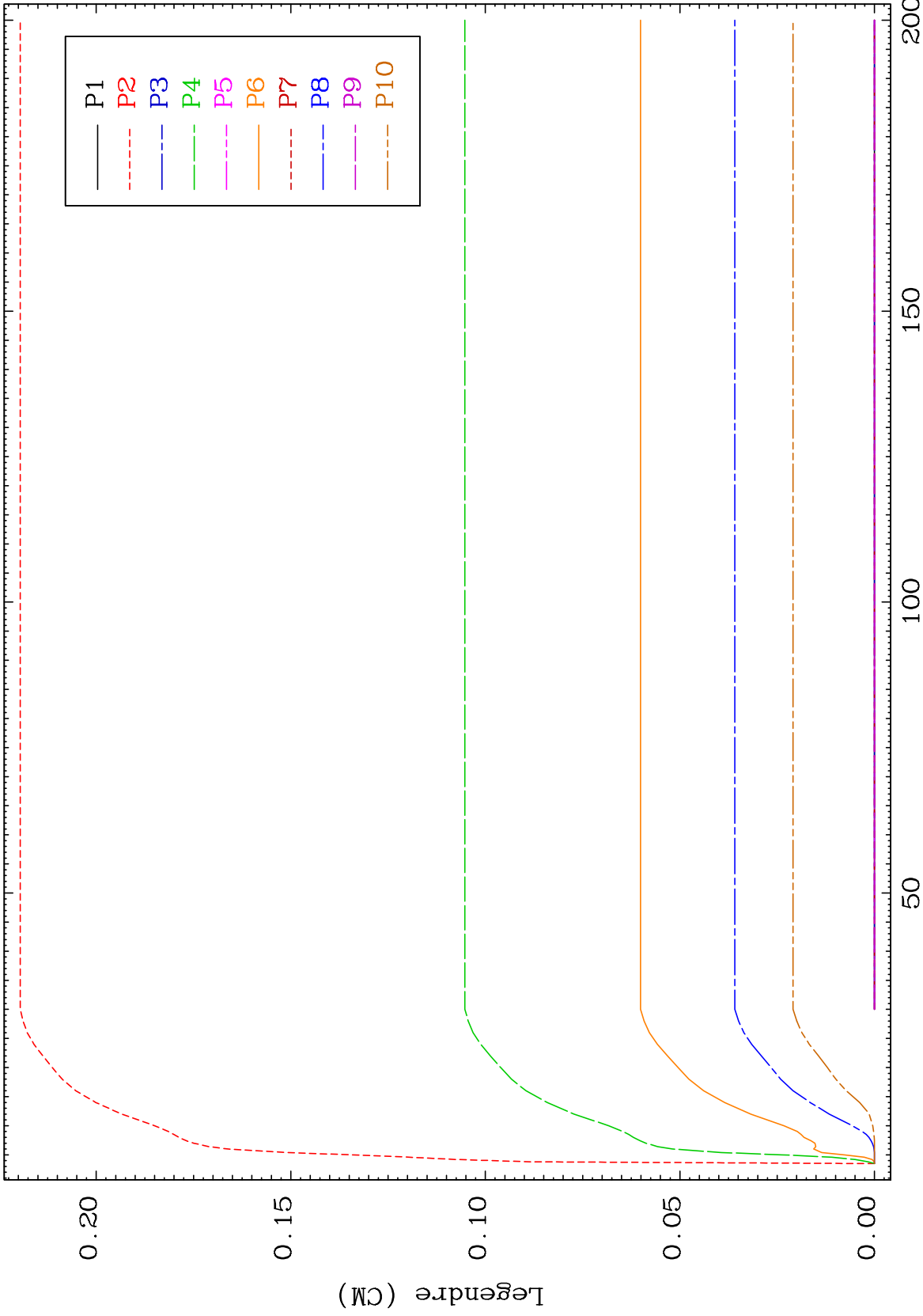
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



59

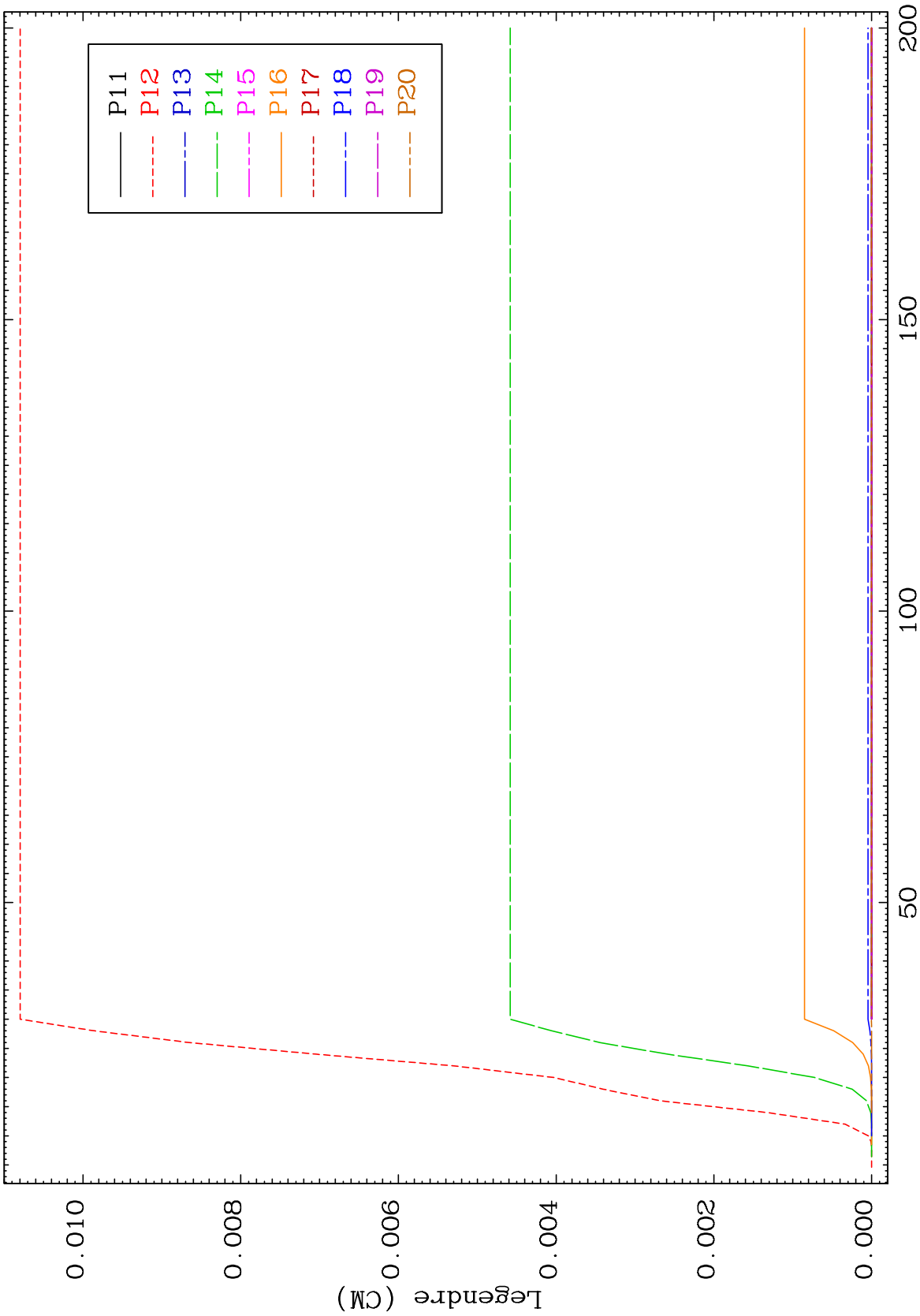
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



34-Se-82

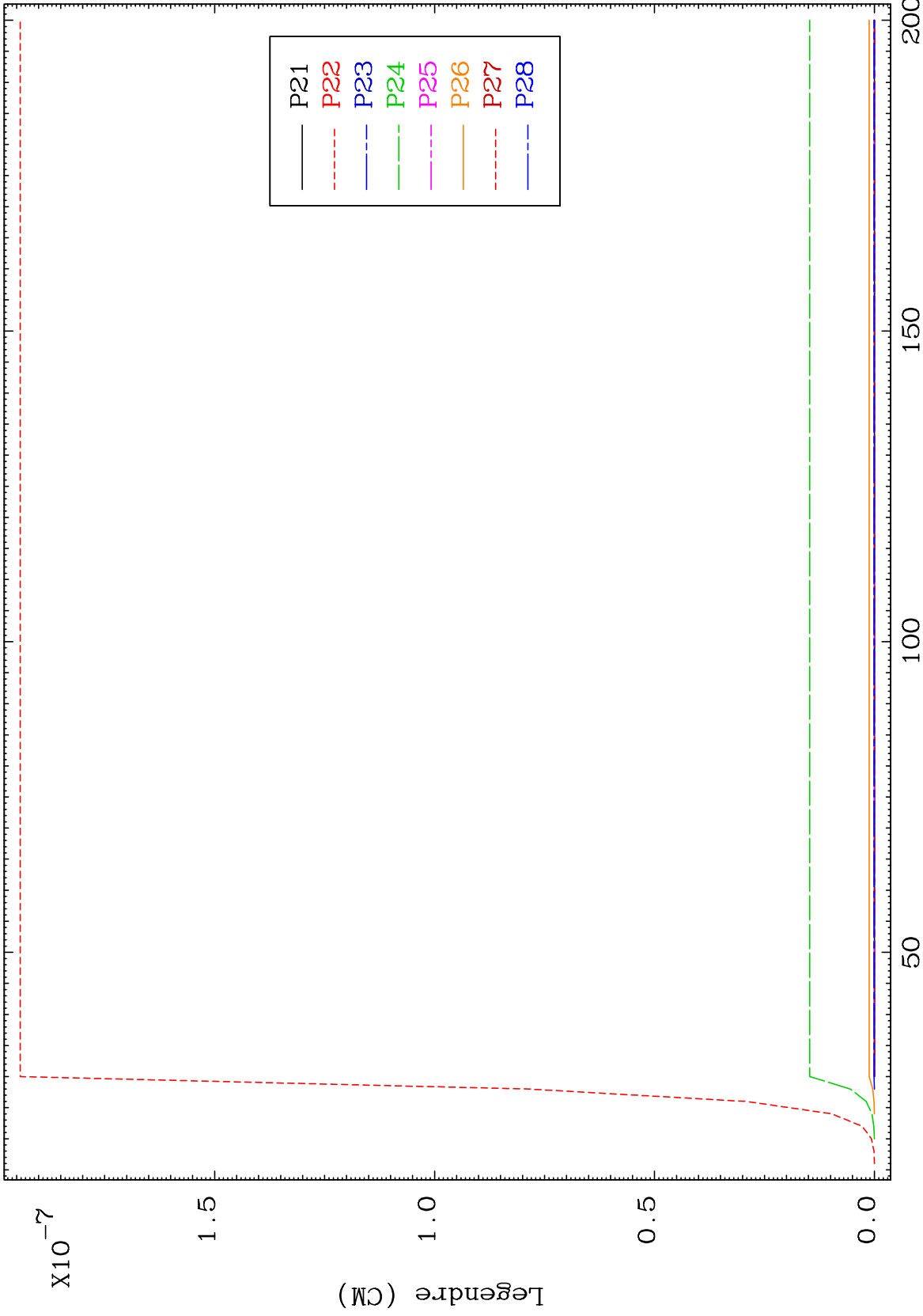
Incident Energy (MeV)

60

MAT 3449

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

34-Se-82



61

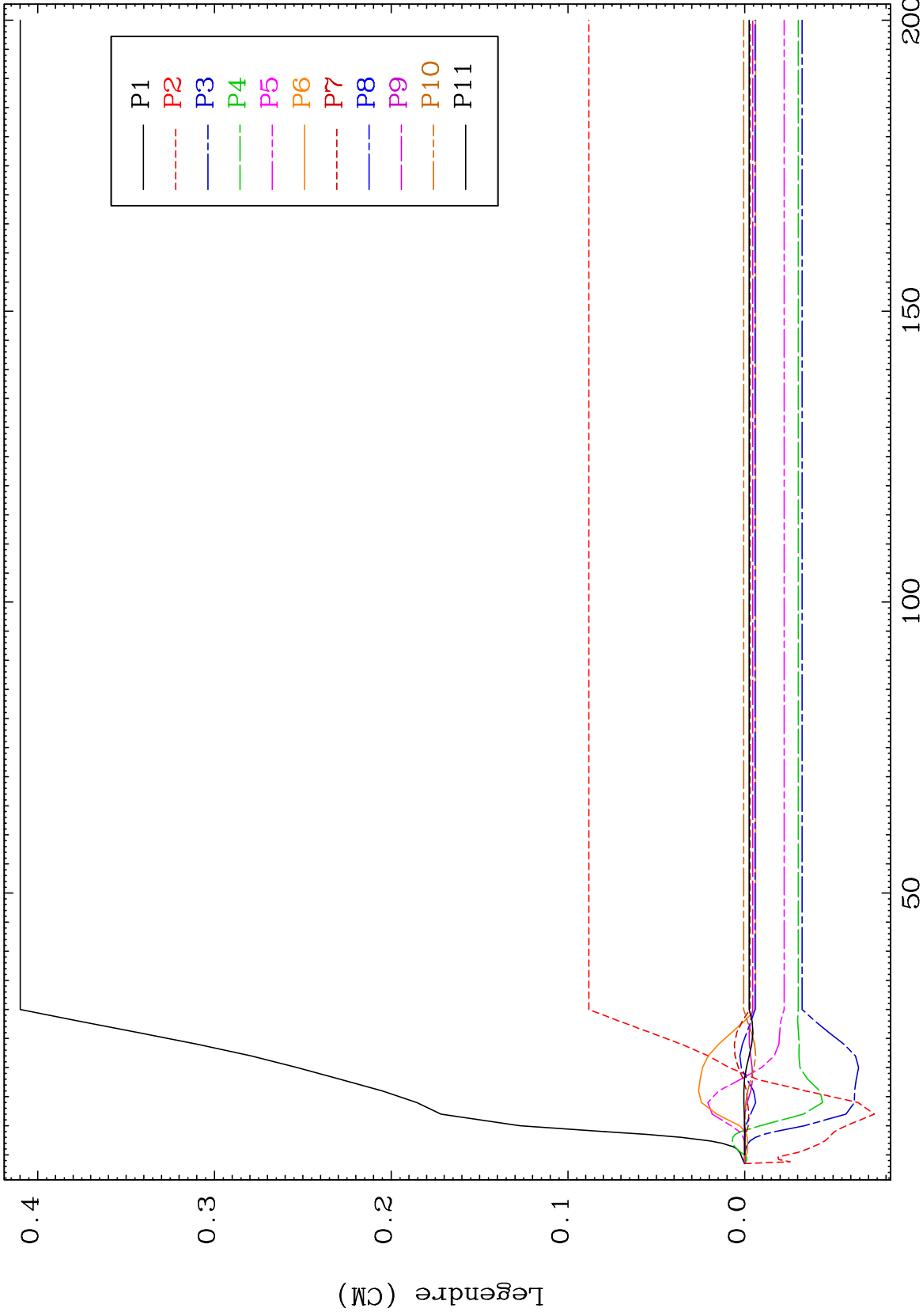
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



62

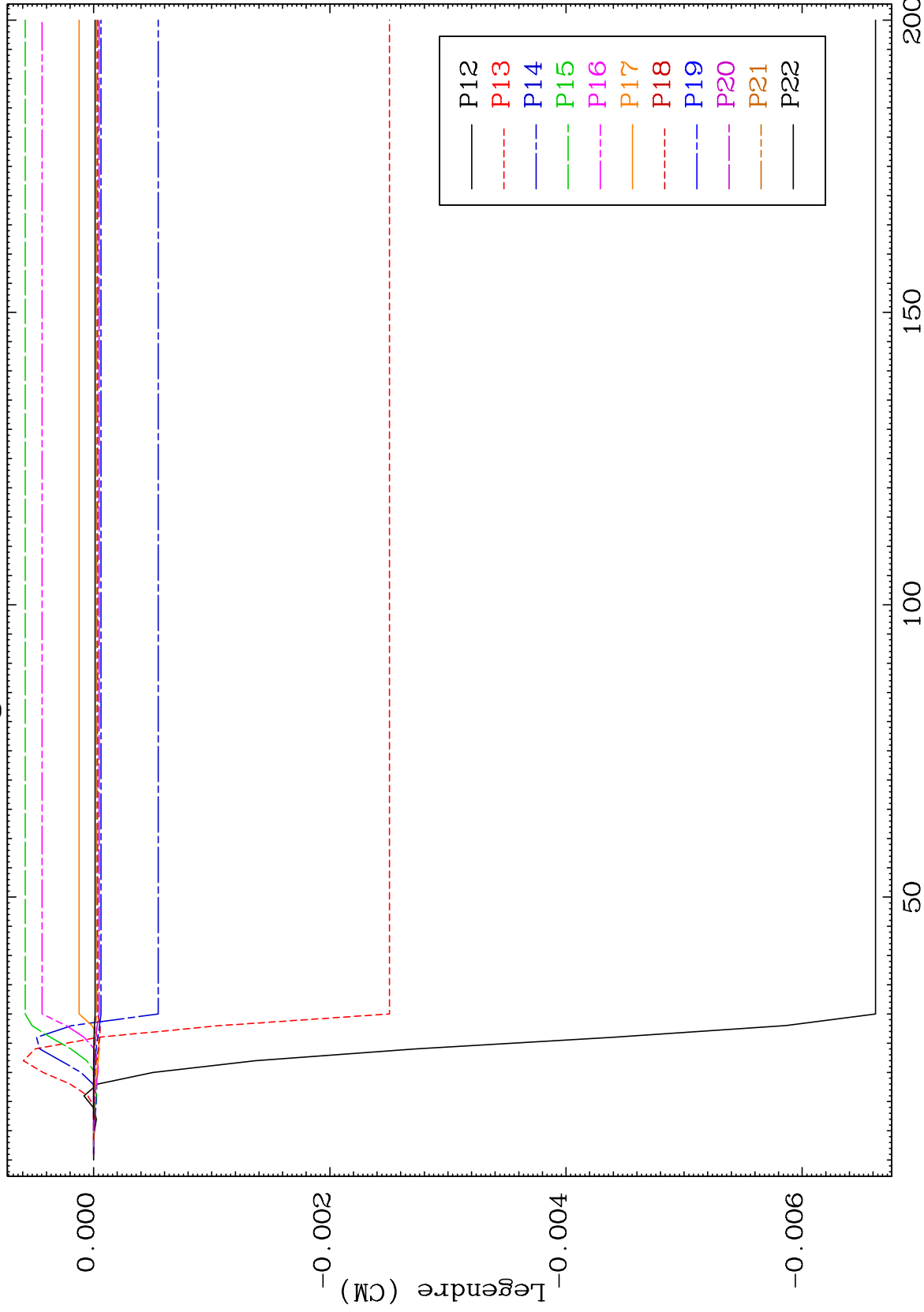
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



63

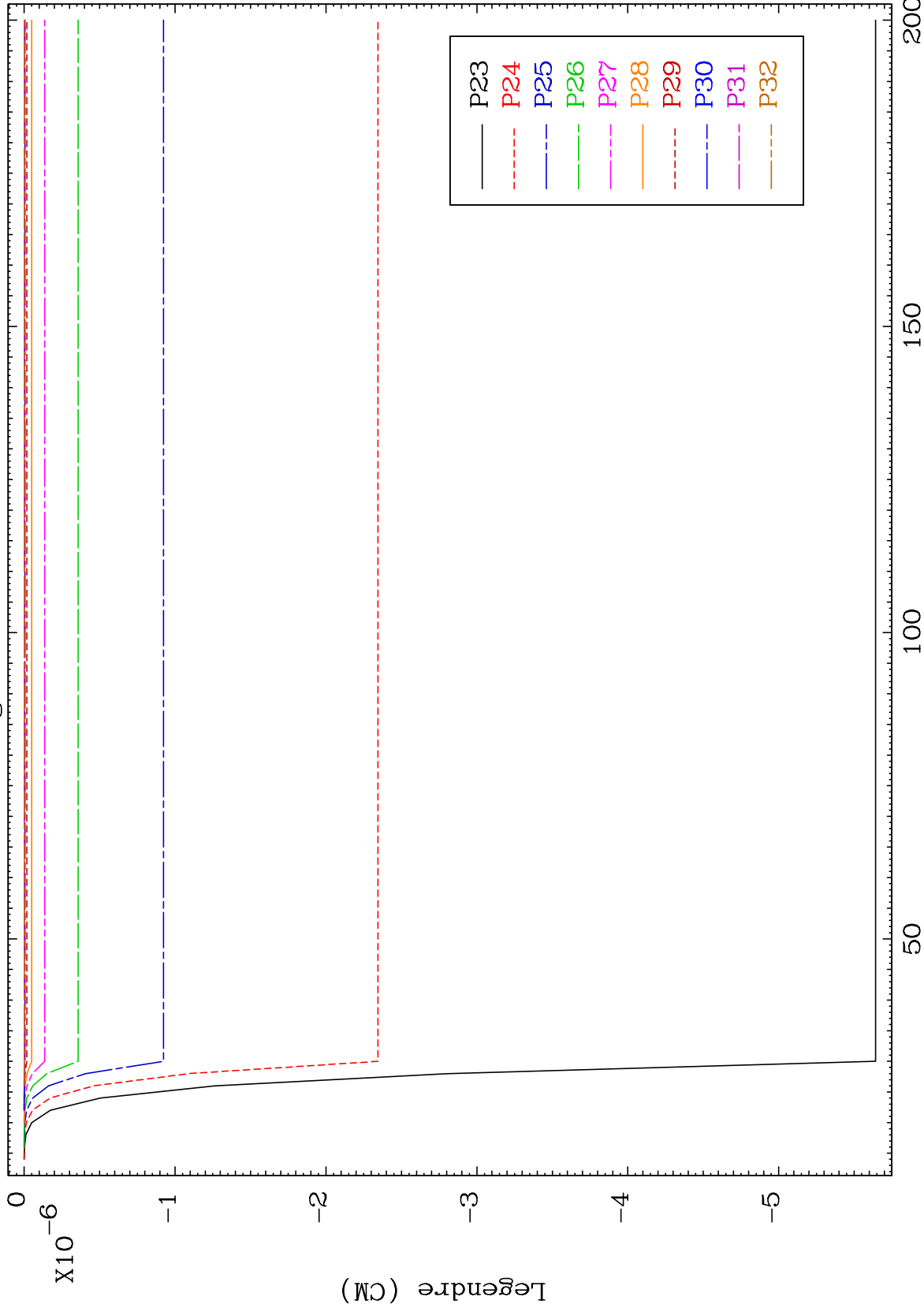
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



64

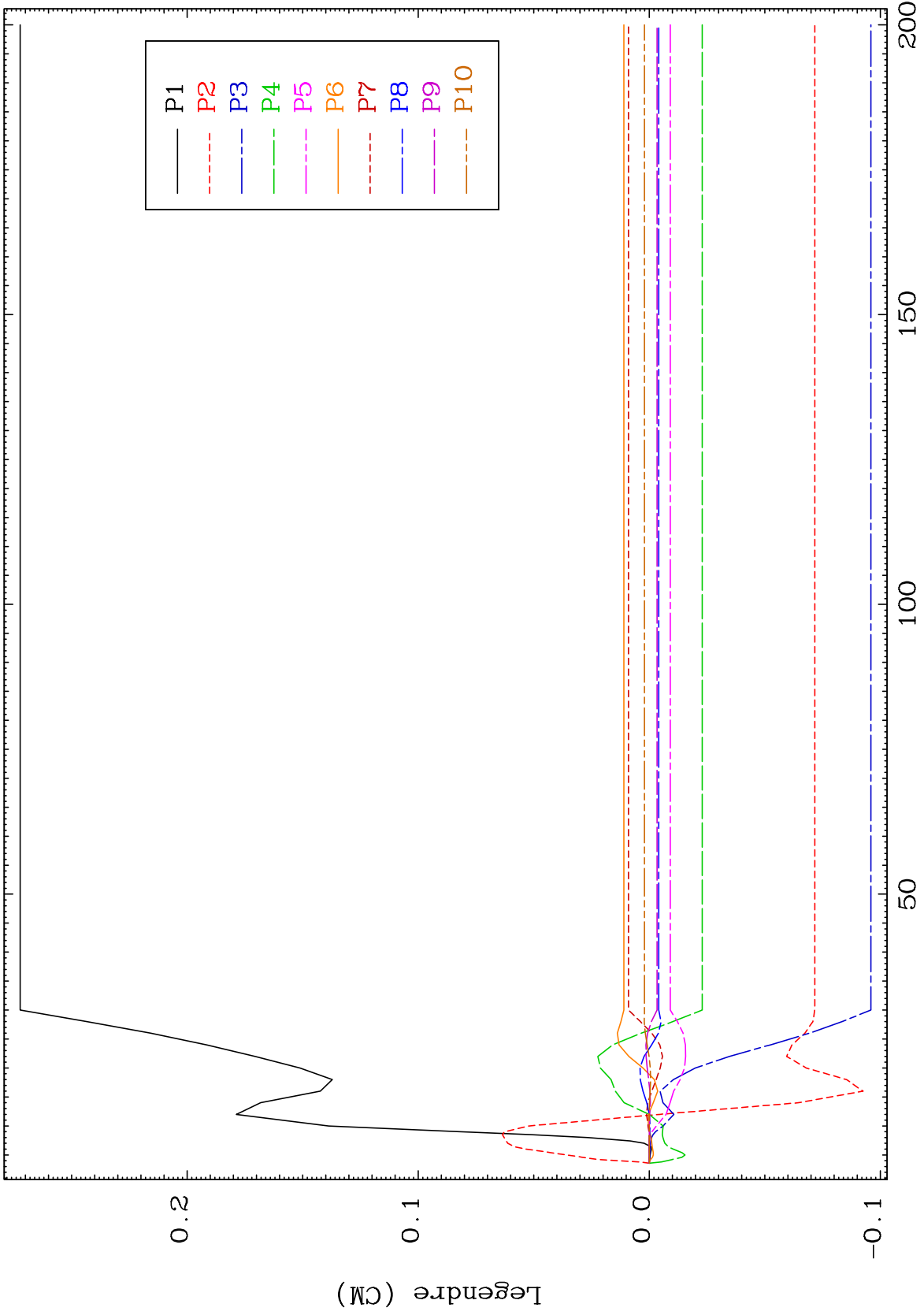
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



65

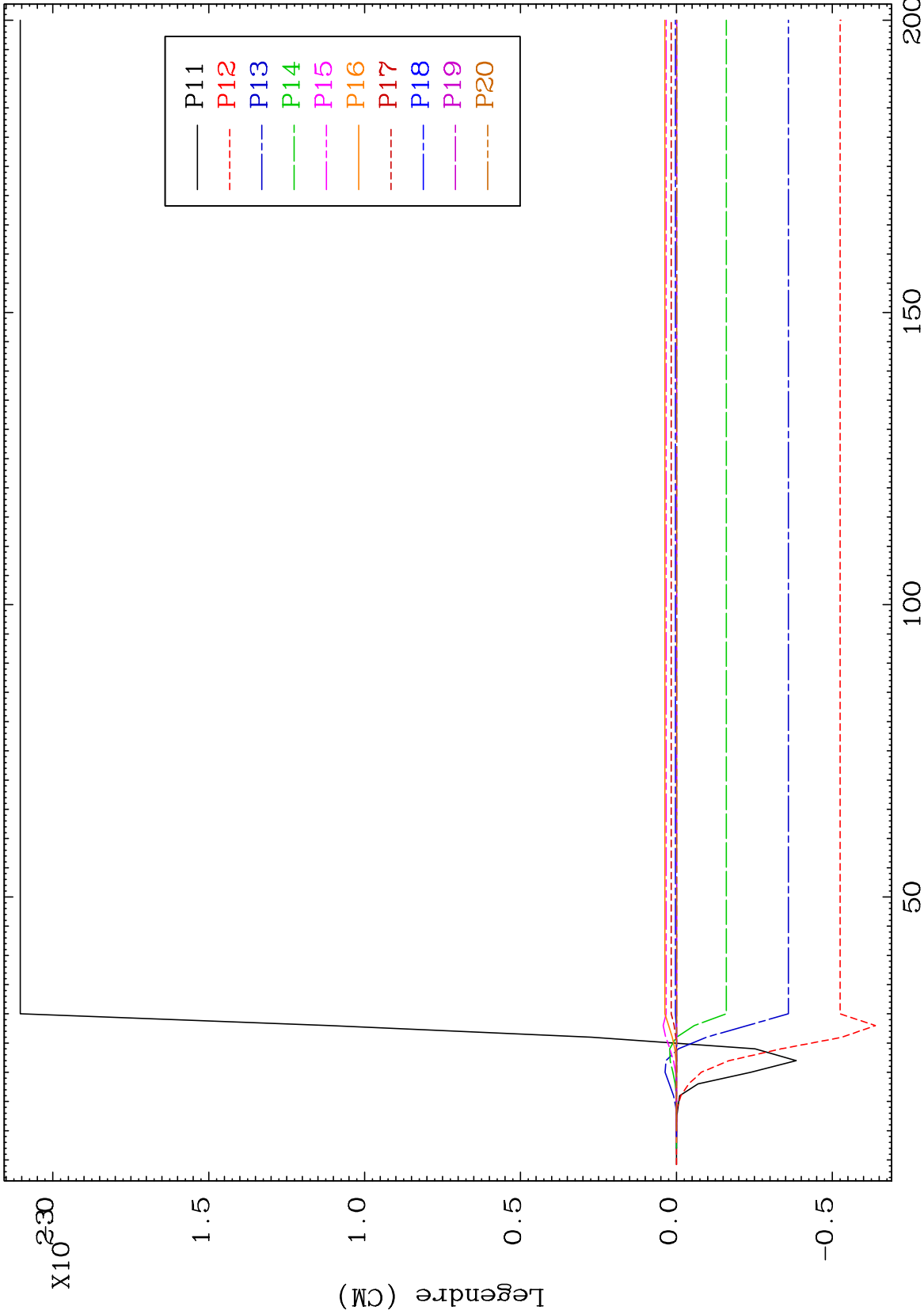
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



66

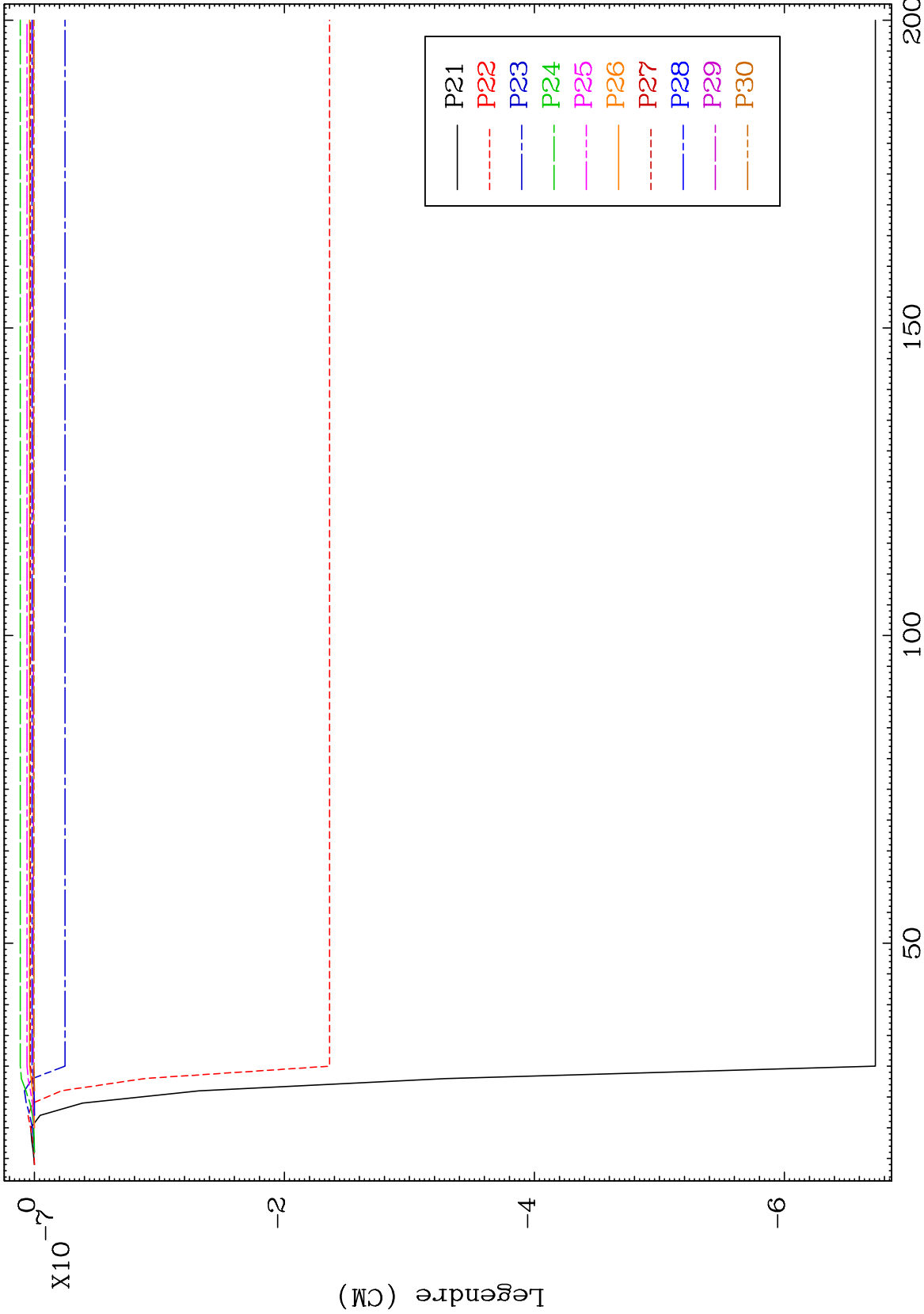
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



67

Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



68

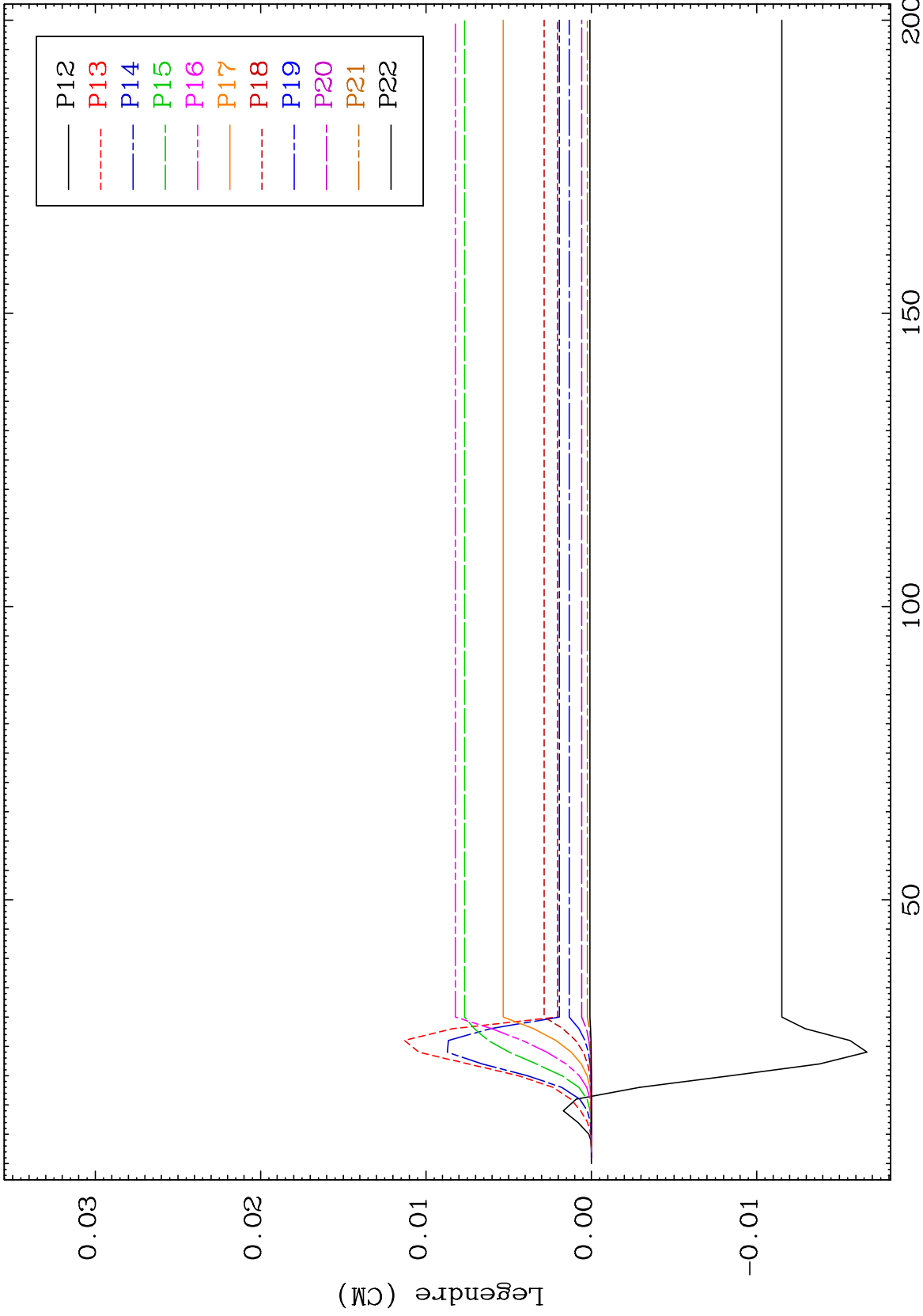
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



69

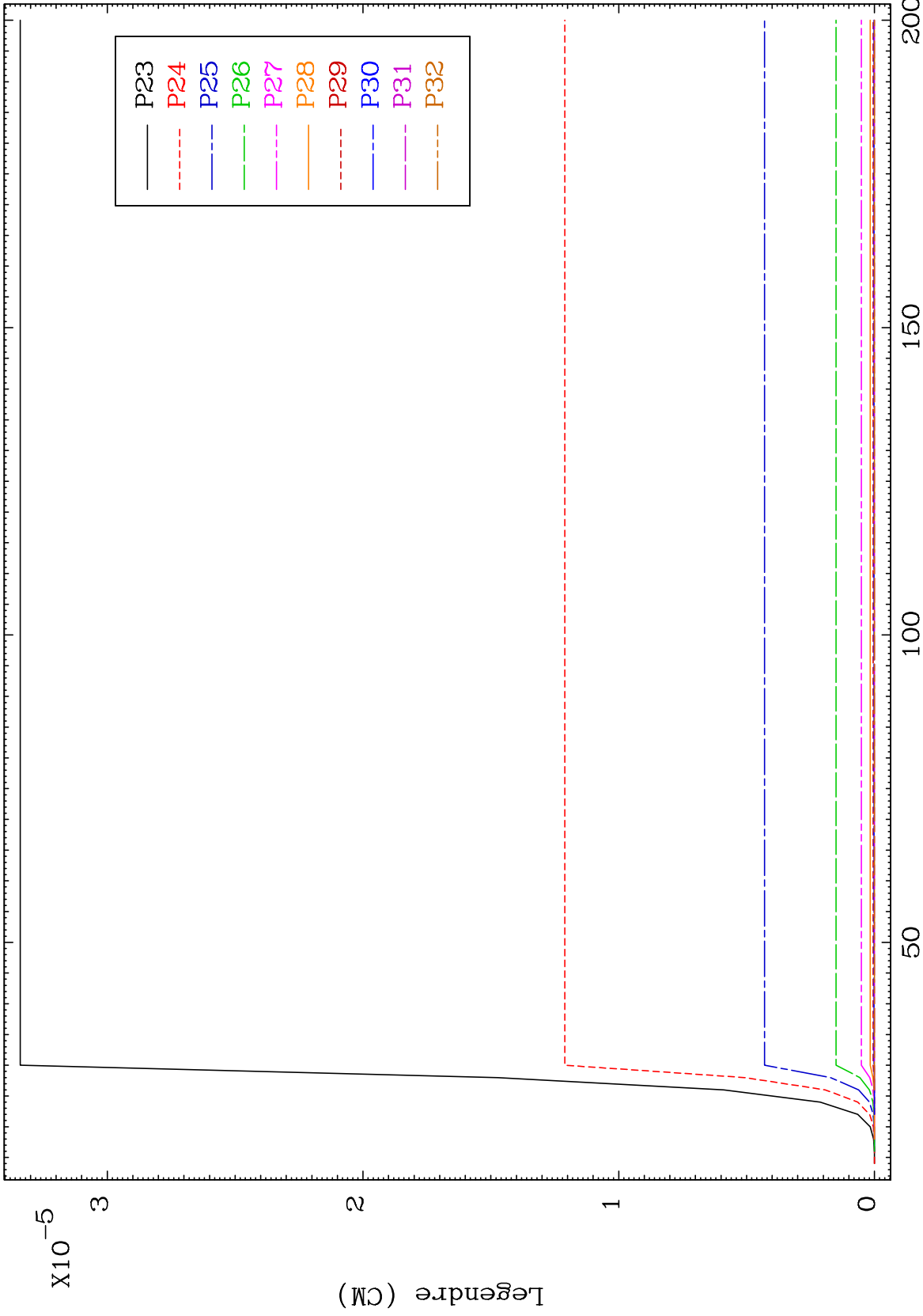
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



70

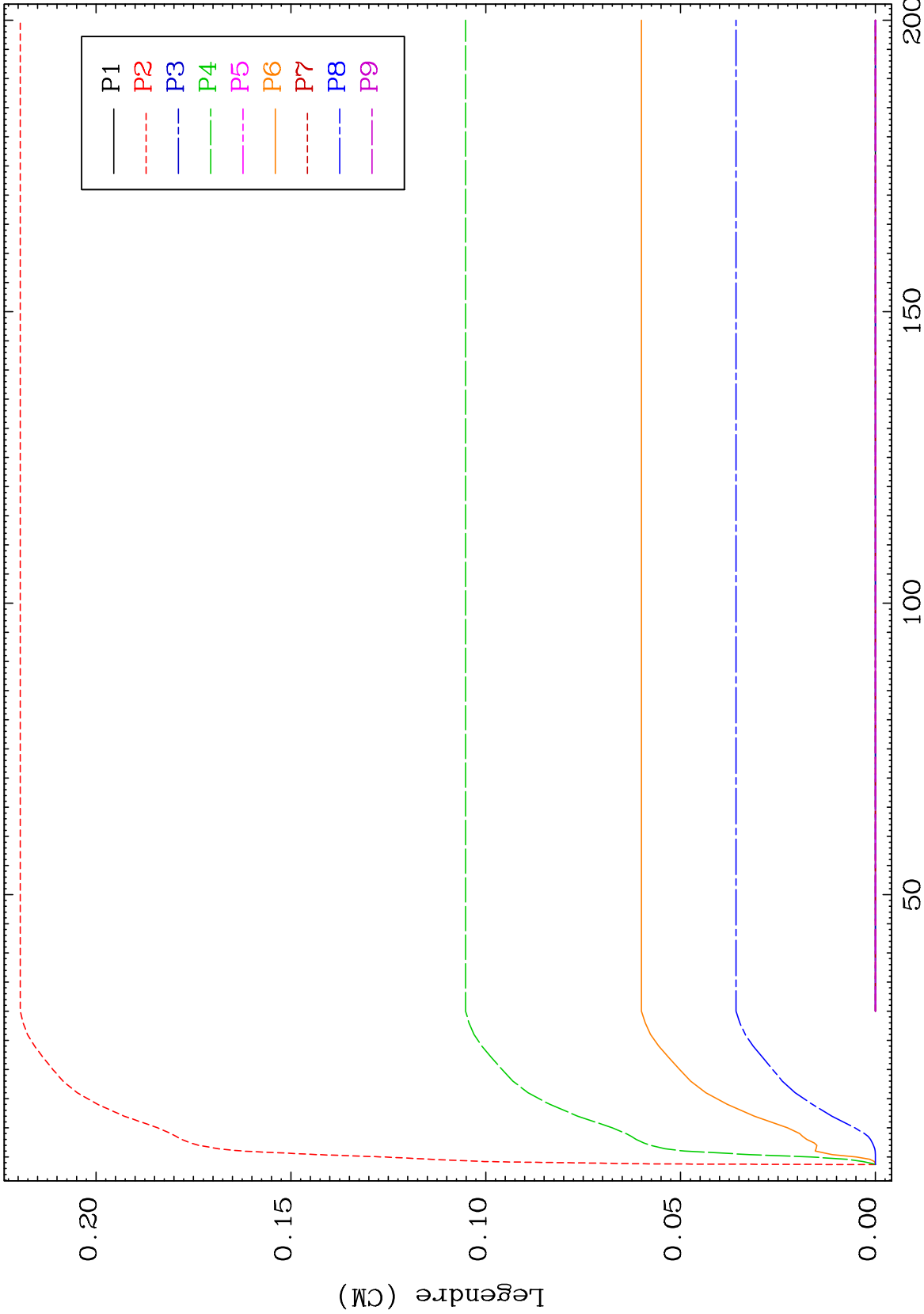
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



71

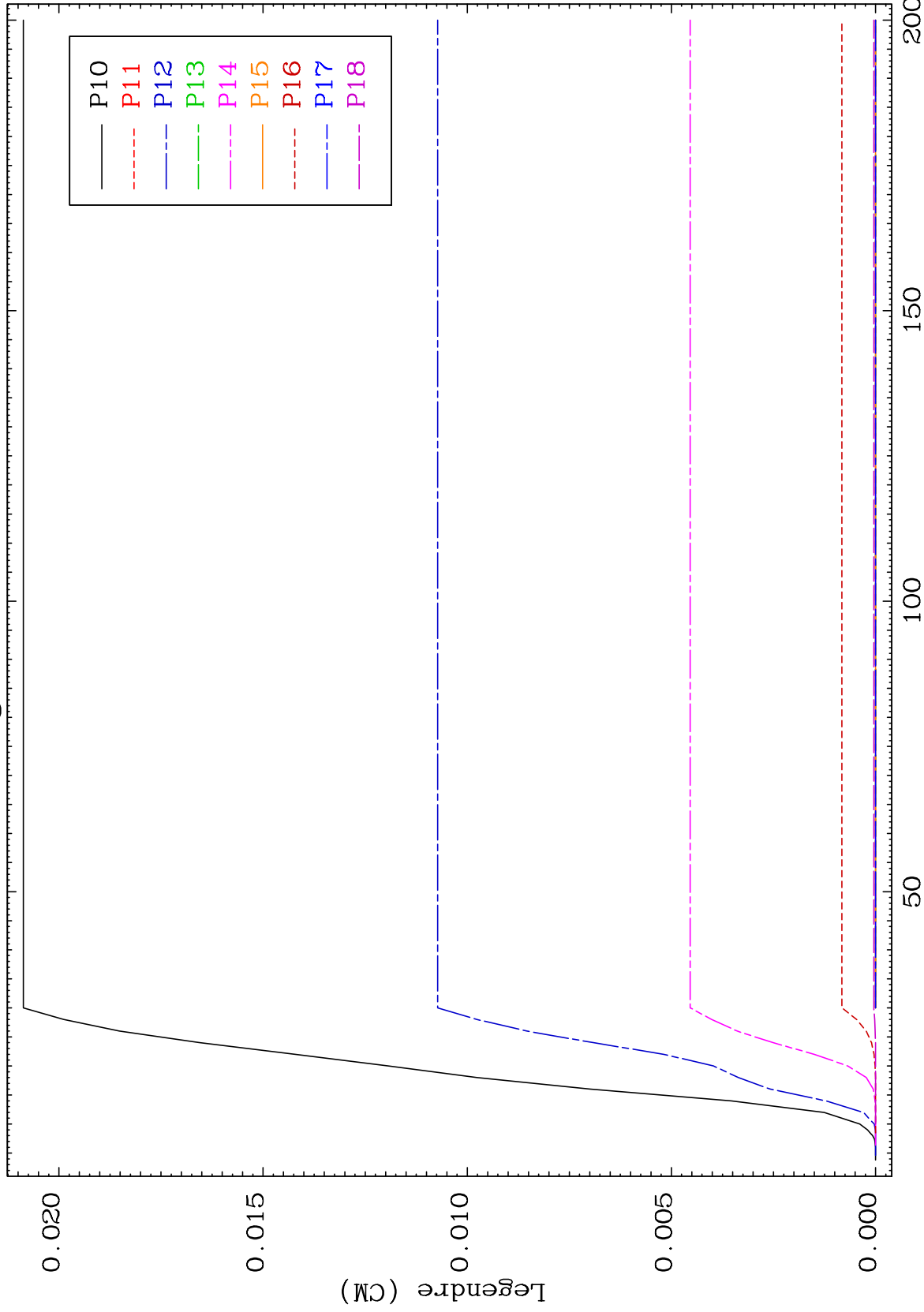
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



72

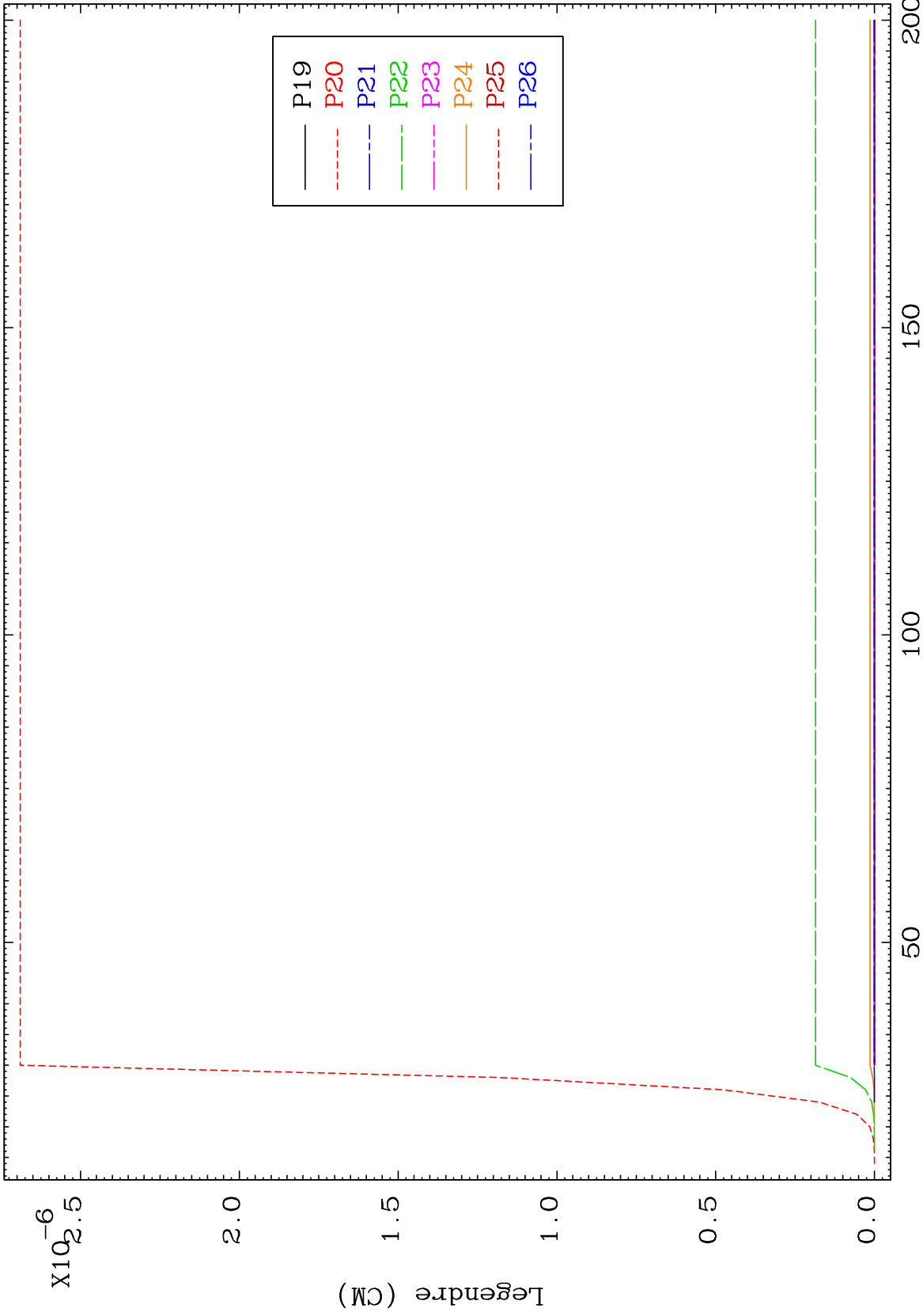
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



73

Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



74

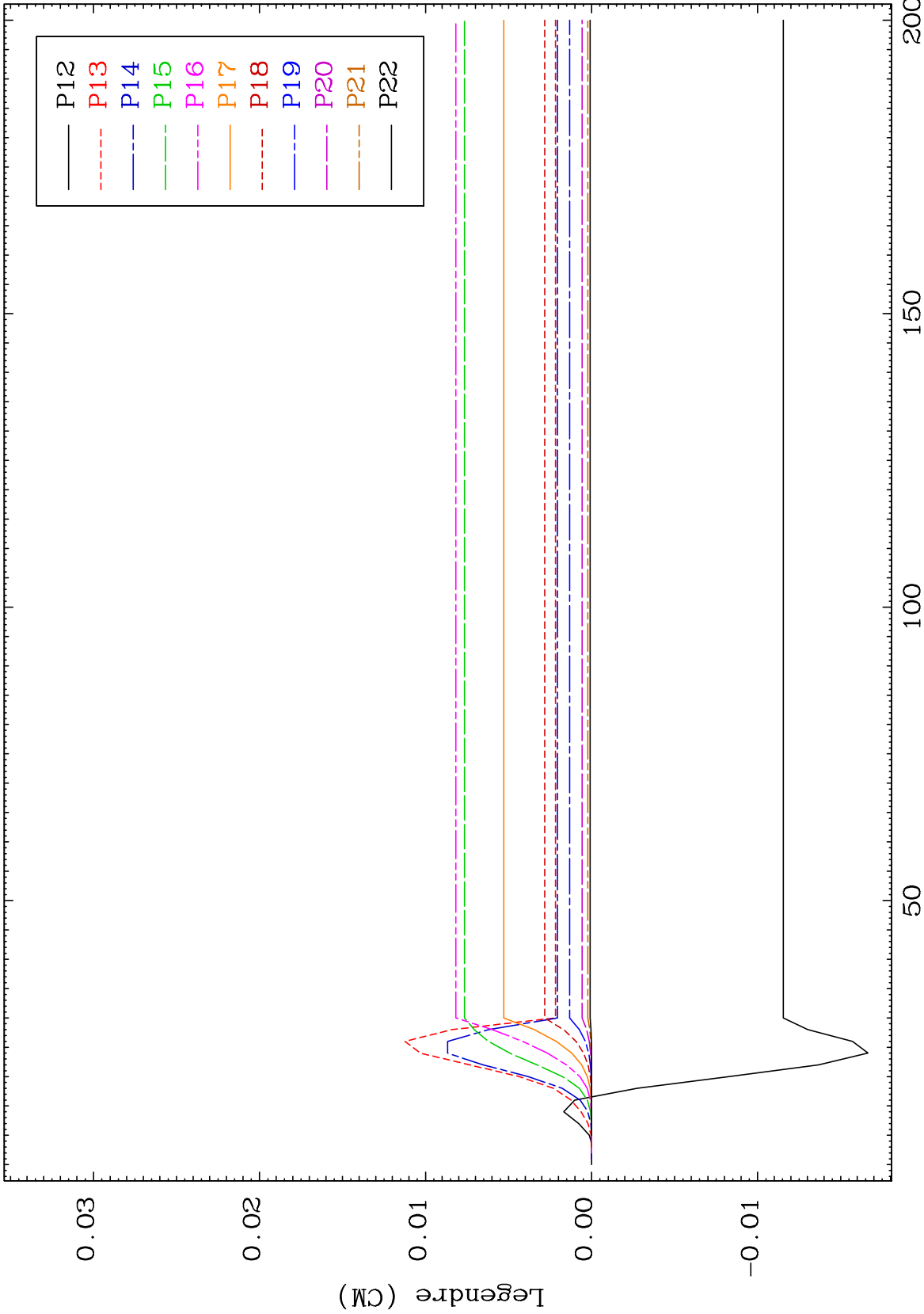
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



75

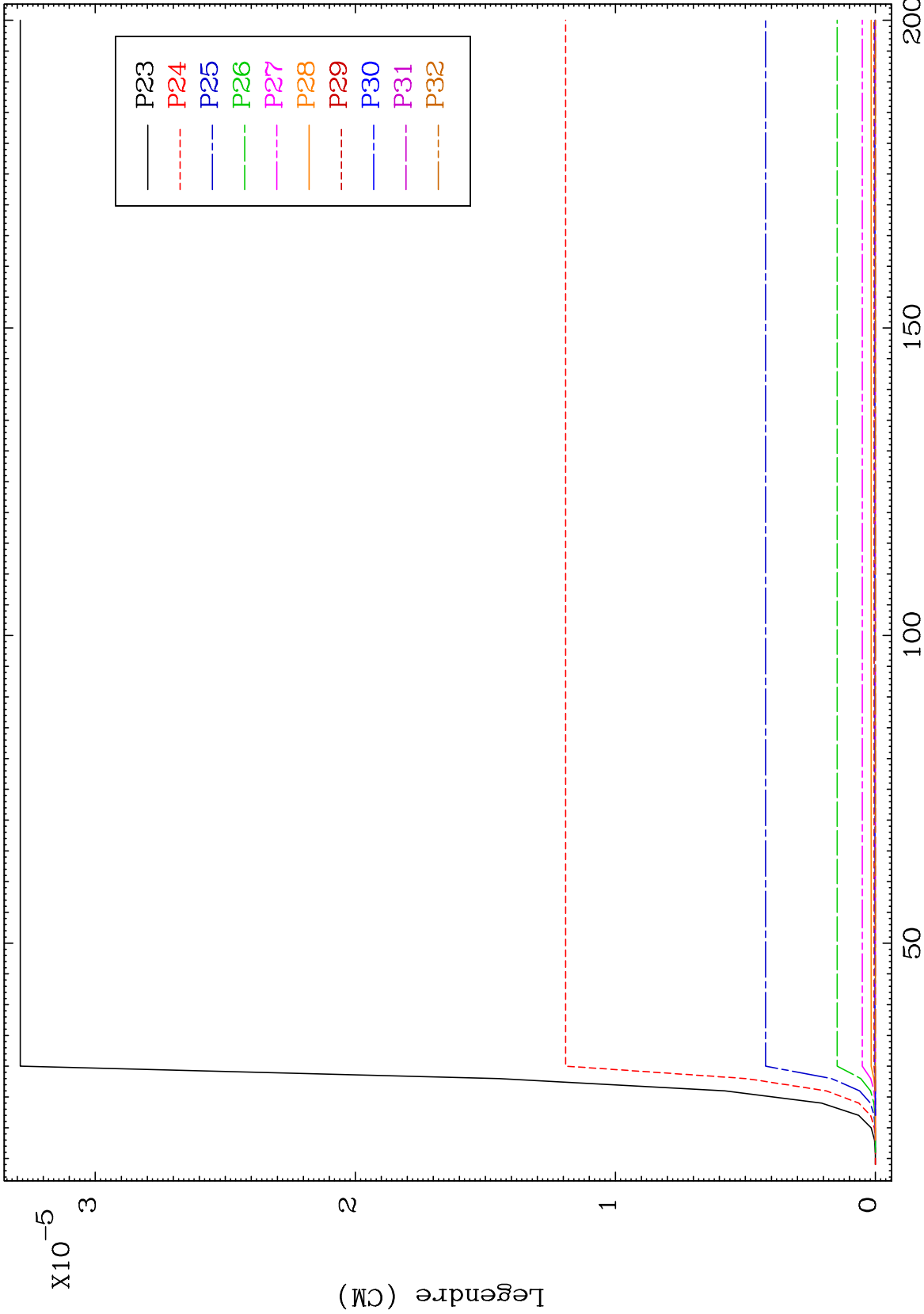
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



76

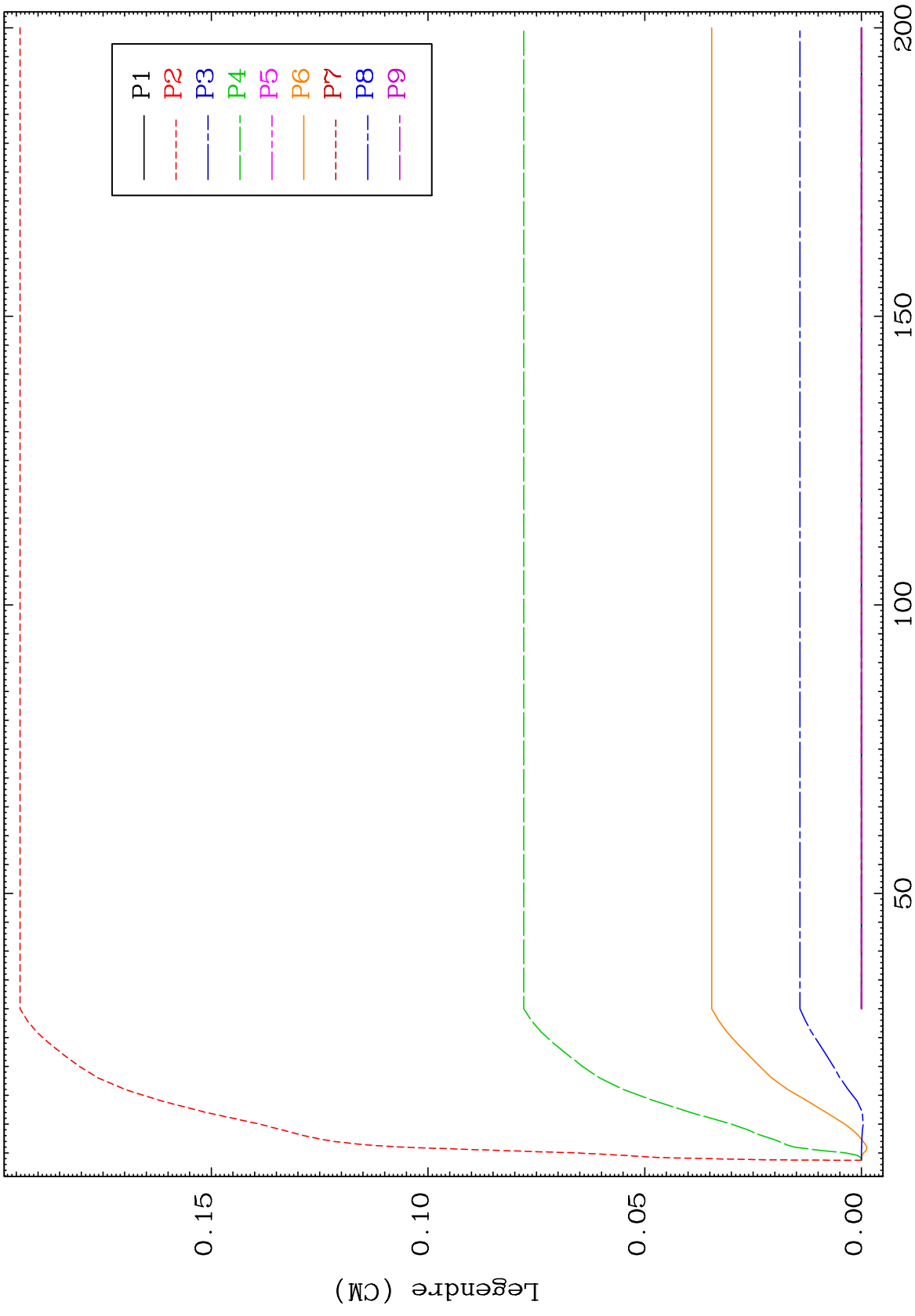
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



77

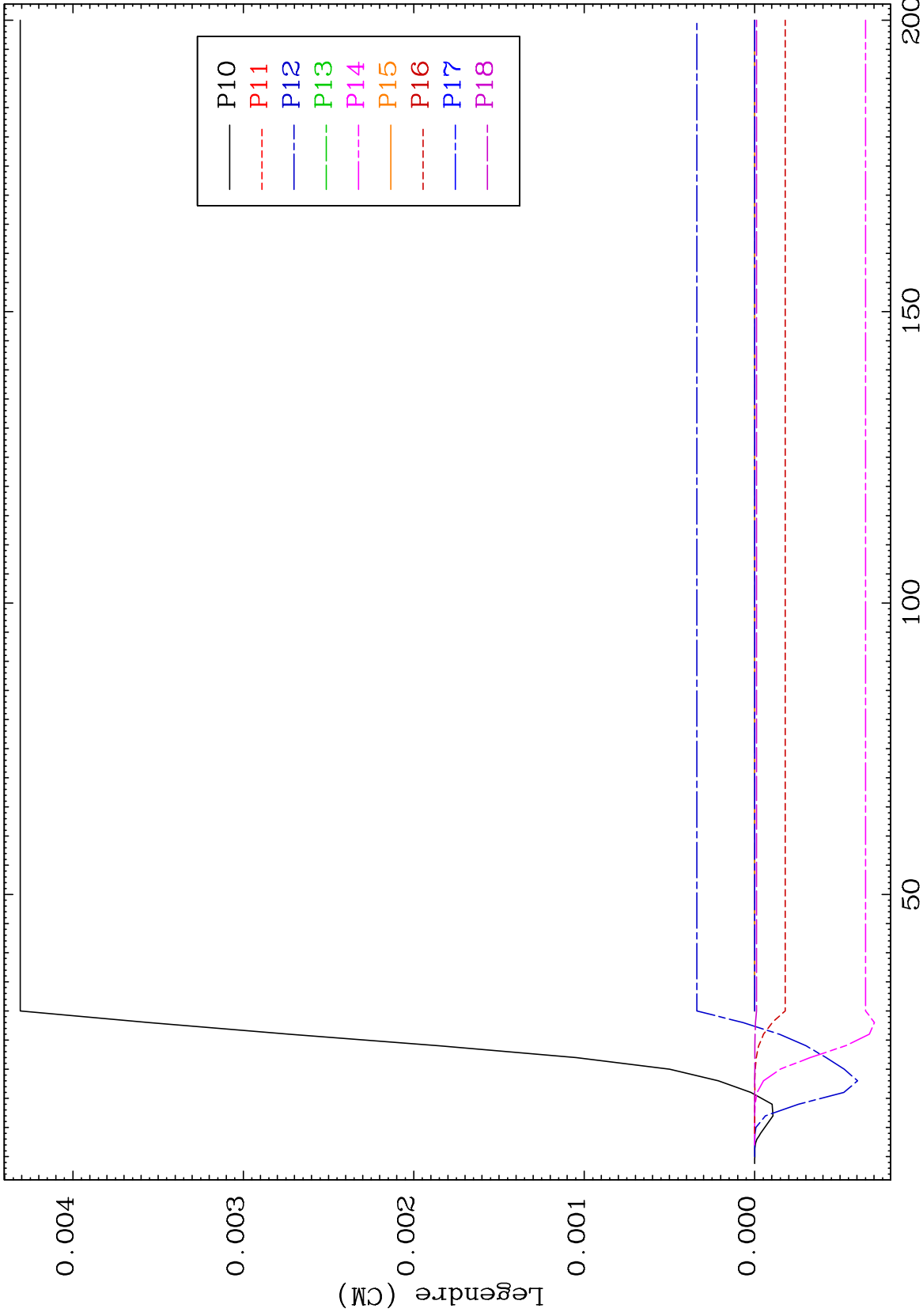
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



78

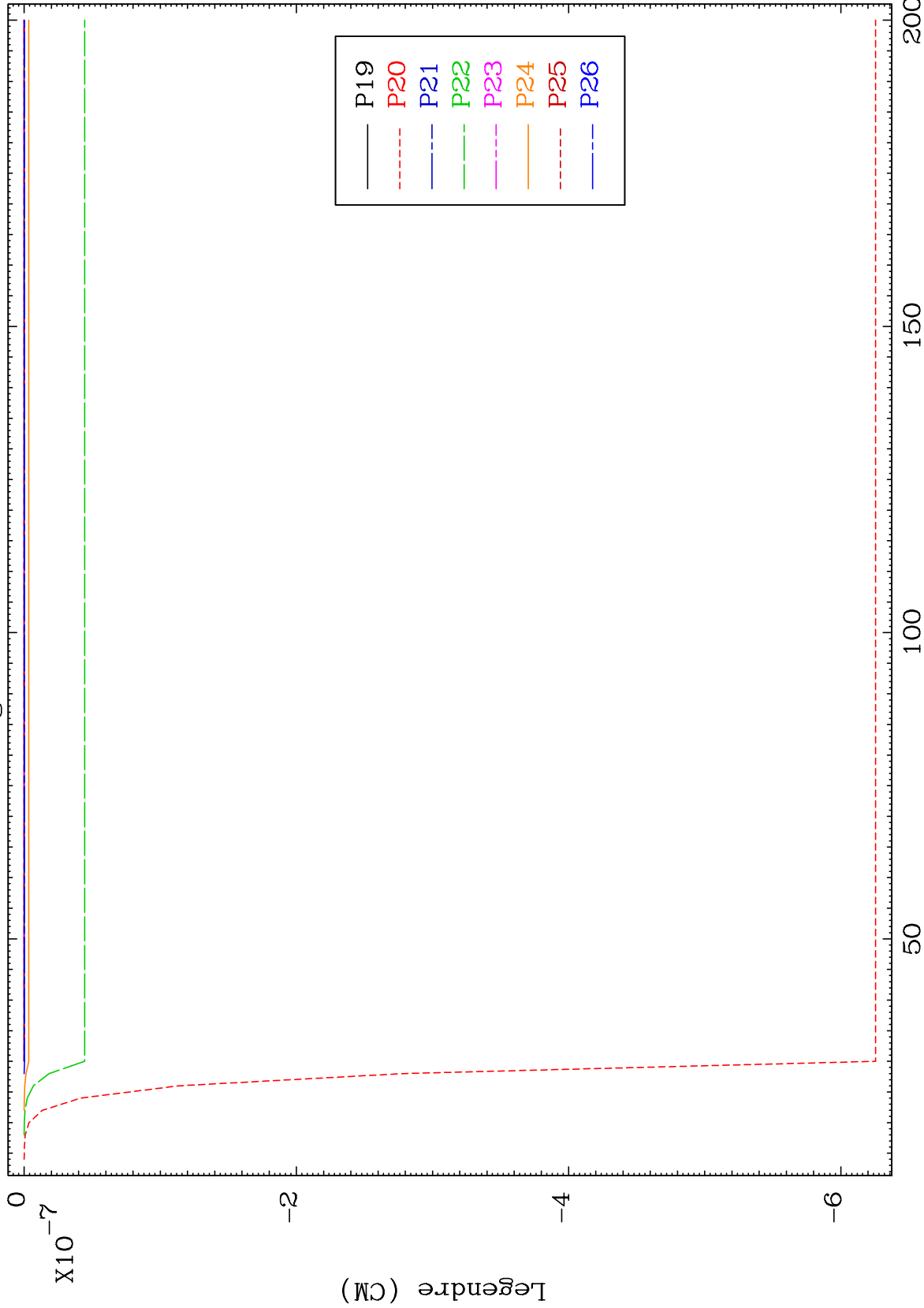
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



79

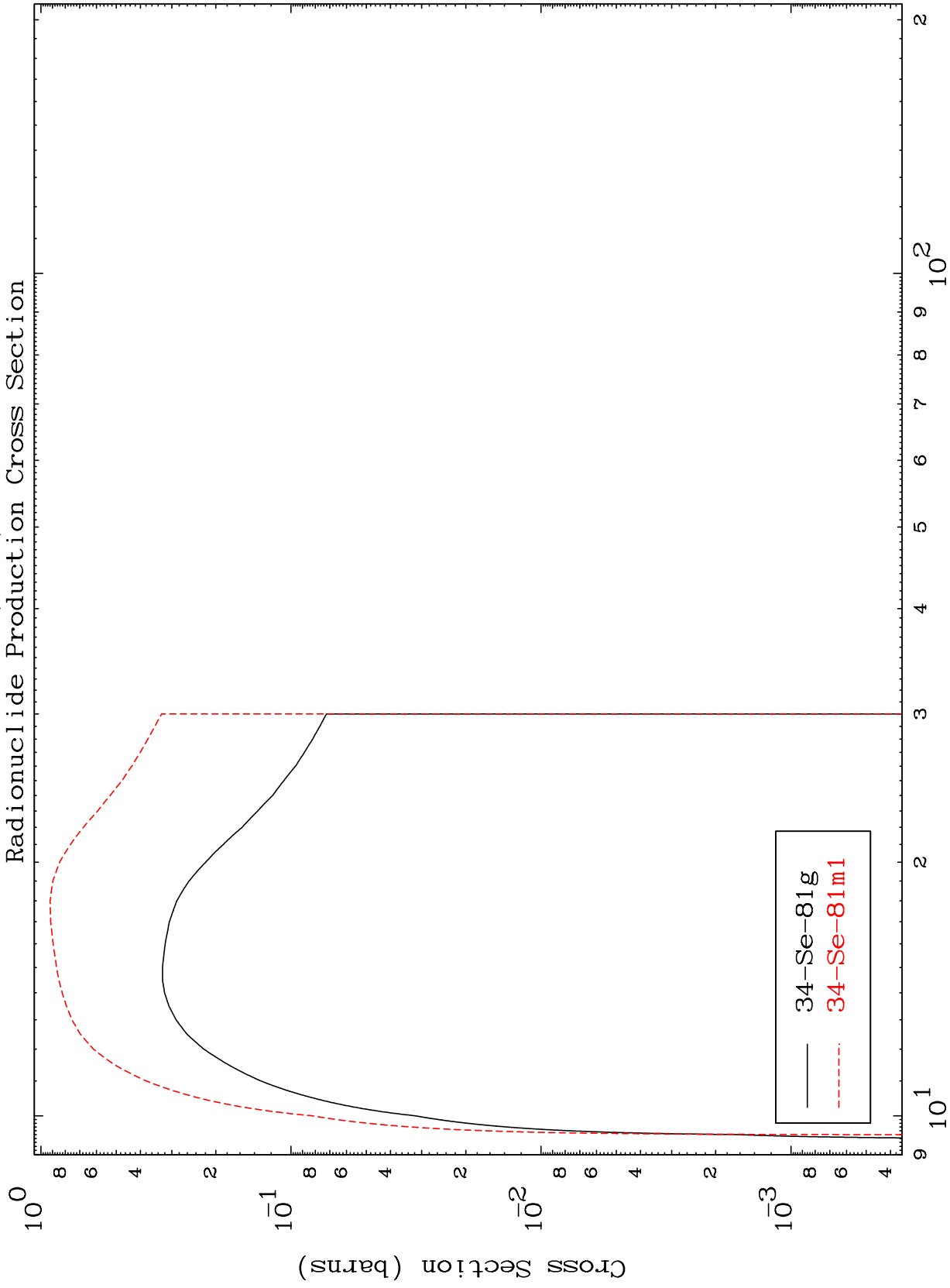
Incident Energy (MeV)

34-Se-82

MAT 3449

34-Se-82

Radionuclide Production Cross Section
(n,2n)



80

Incident Energy (MeV)

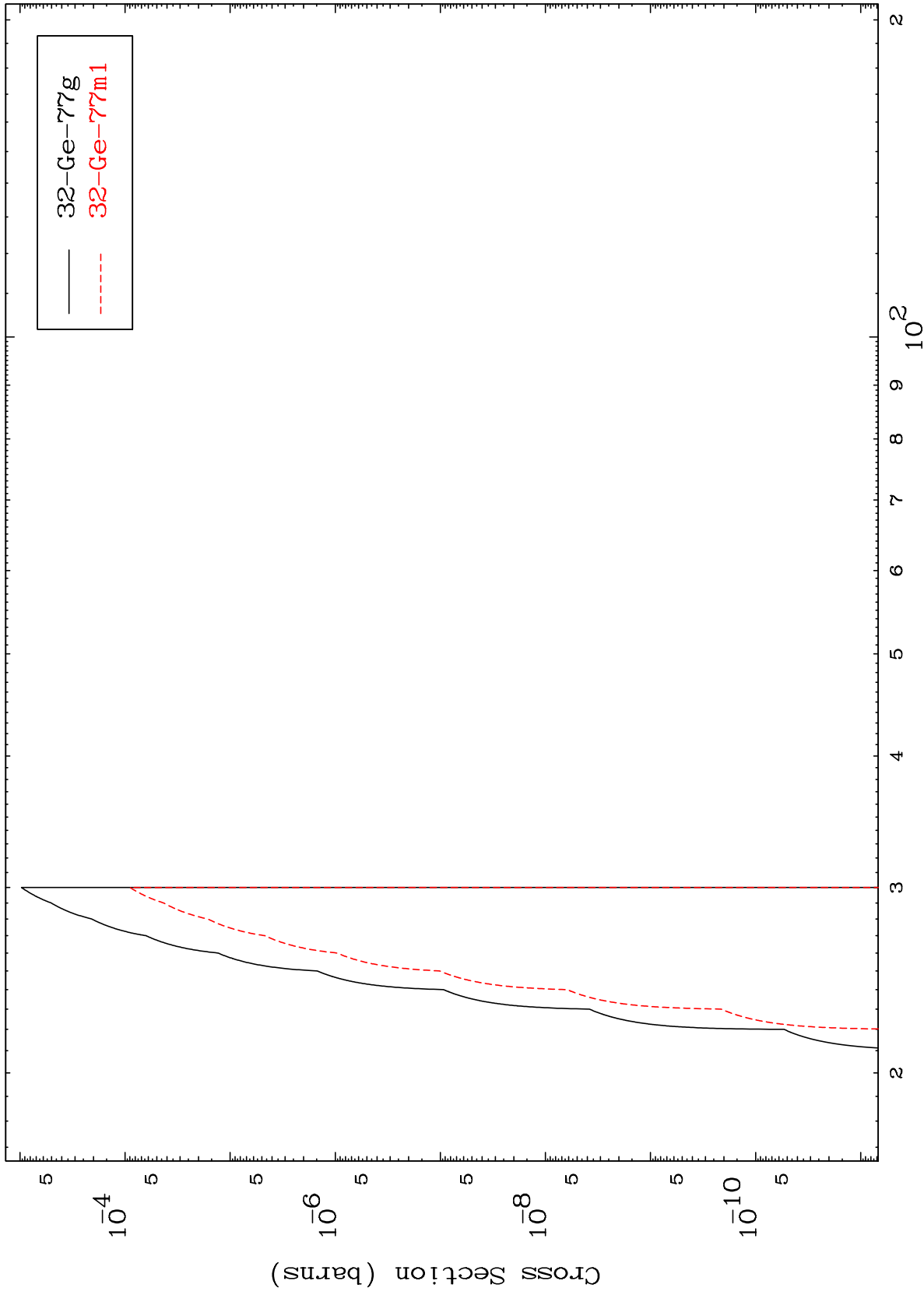
34-Se-82

MAT 3449

$(n,2n) \alpha$

$^{34}\text{Se-82}$

Radionuclide Production Cross Section



81

Incident Energy (MeV)

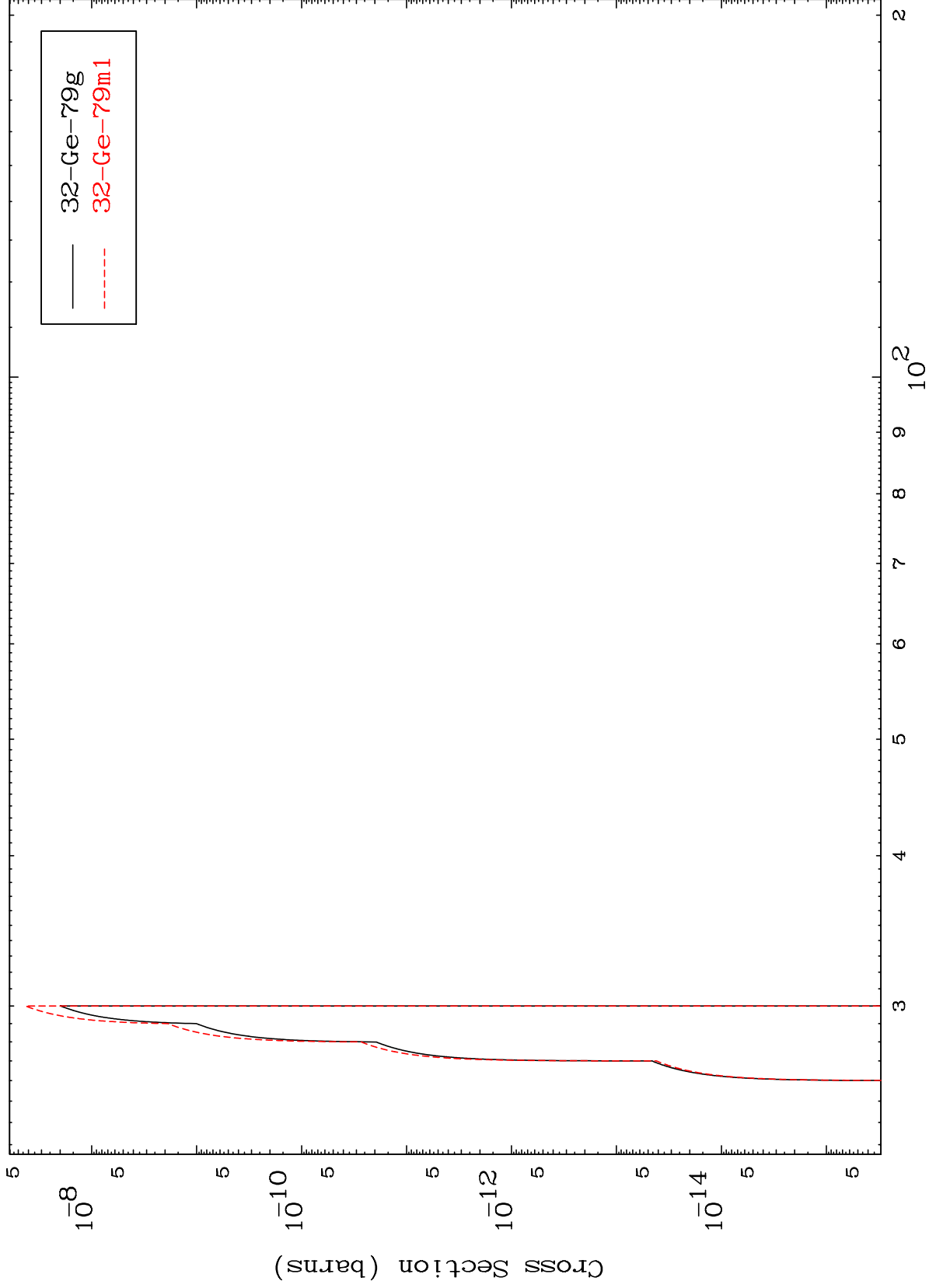
$^{34}\text{Se-82}$

MAT 3449

(n, n') He-3

34-Ge-82

Radionuclide Production Cross Section



82

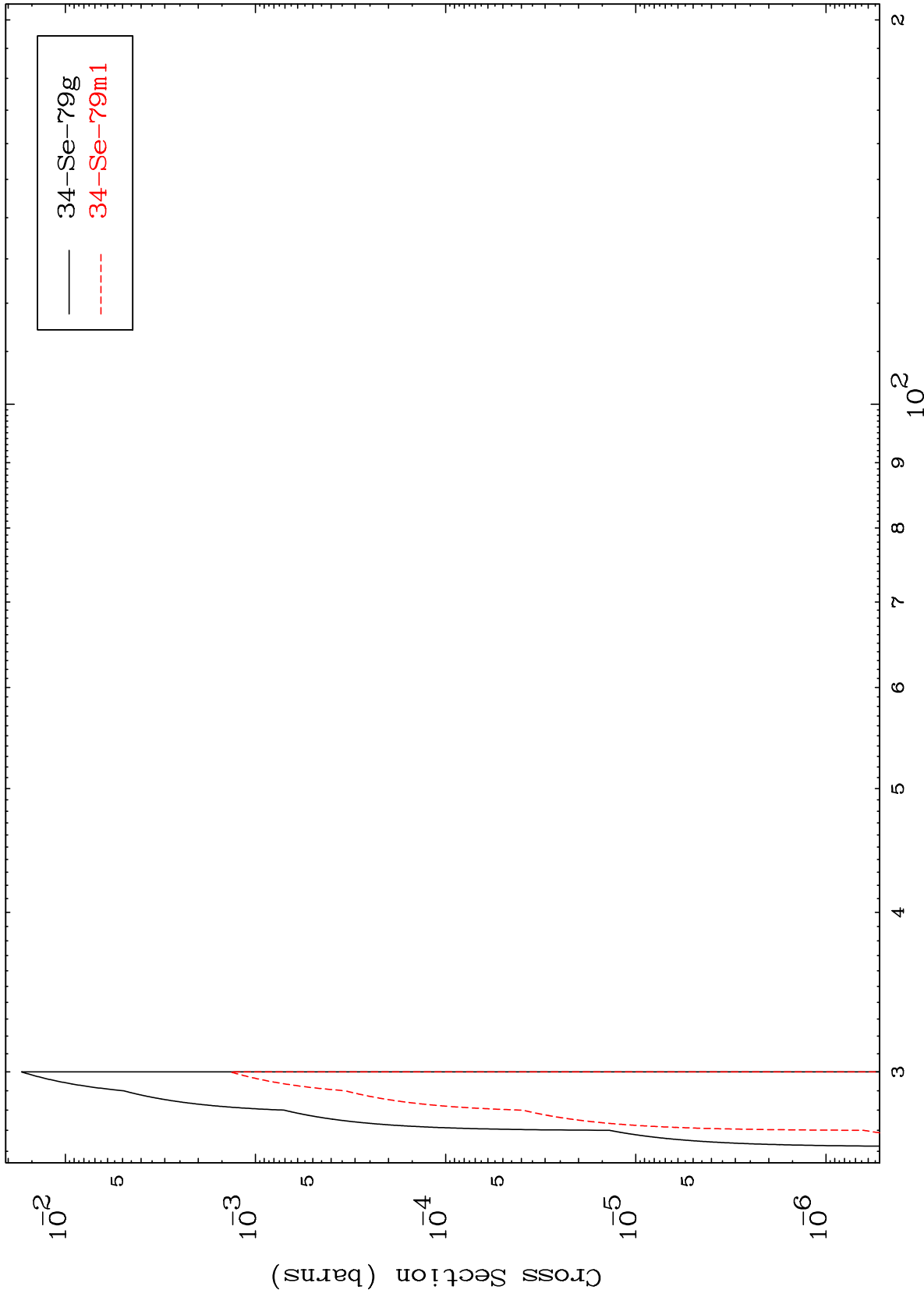
Incident Energy (MeV)

34-Ge-82

MAT 3449

34-Se-82

(n,4n)
Radionuclide Production Cross Section



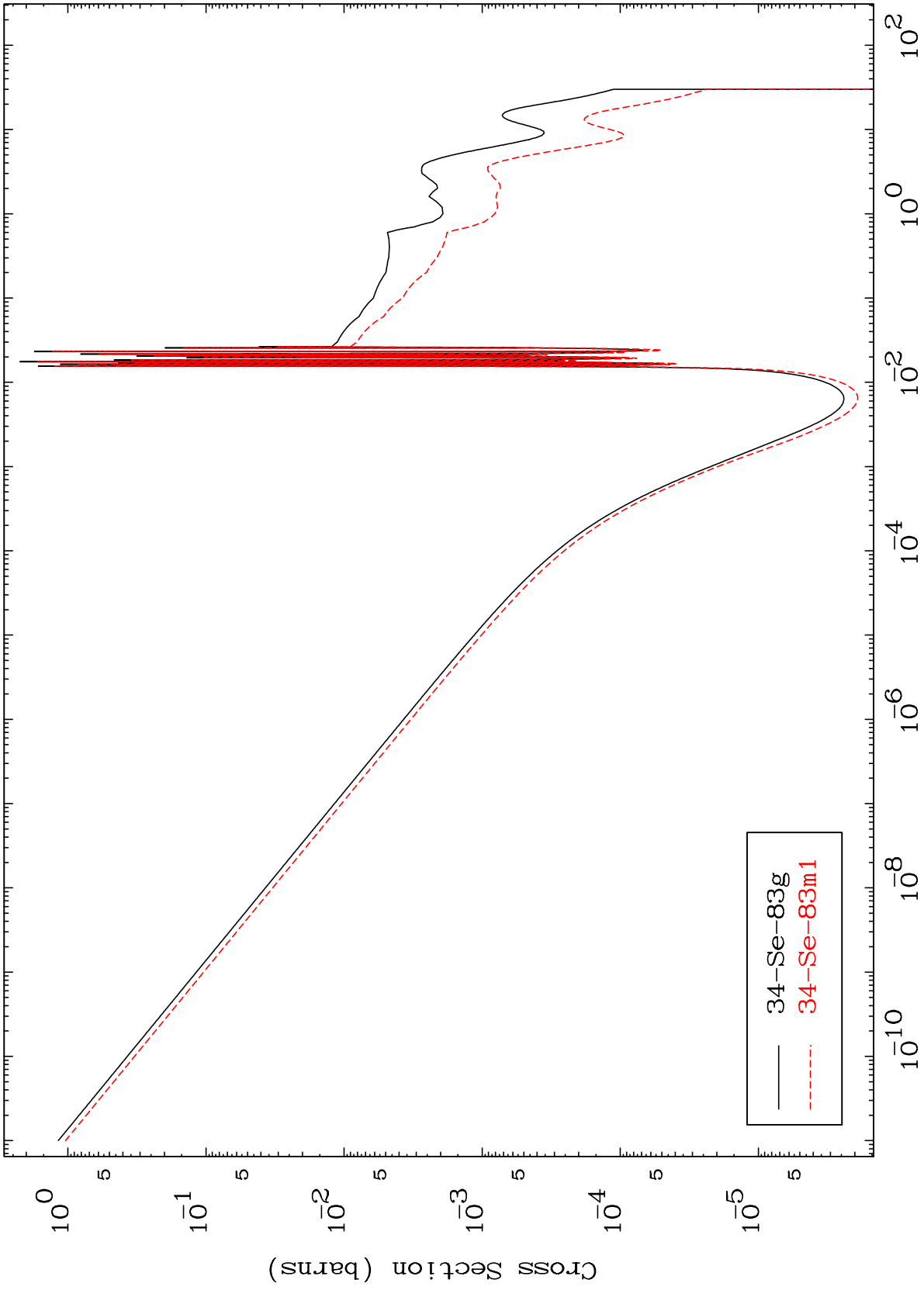
83

34-Se-82

MAT 3449

³⁴Se-82

(n,γ)
Radionuclide Production Cross Section



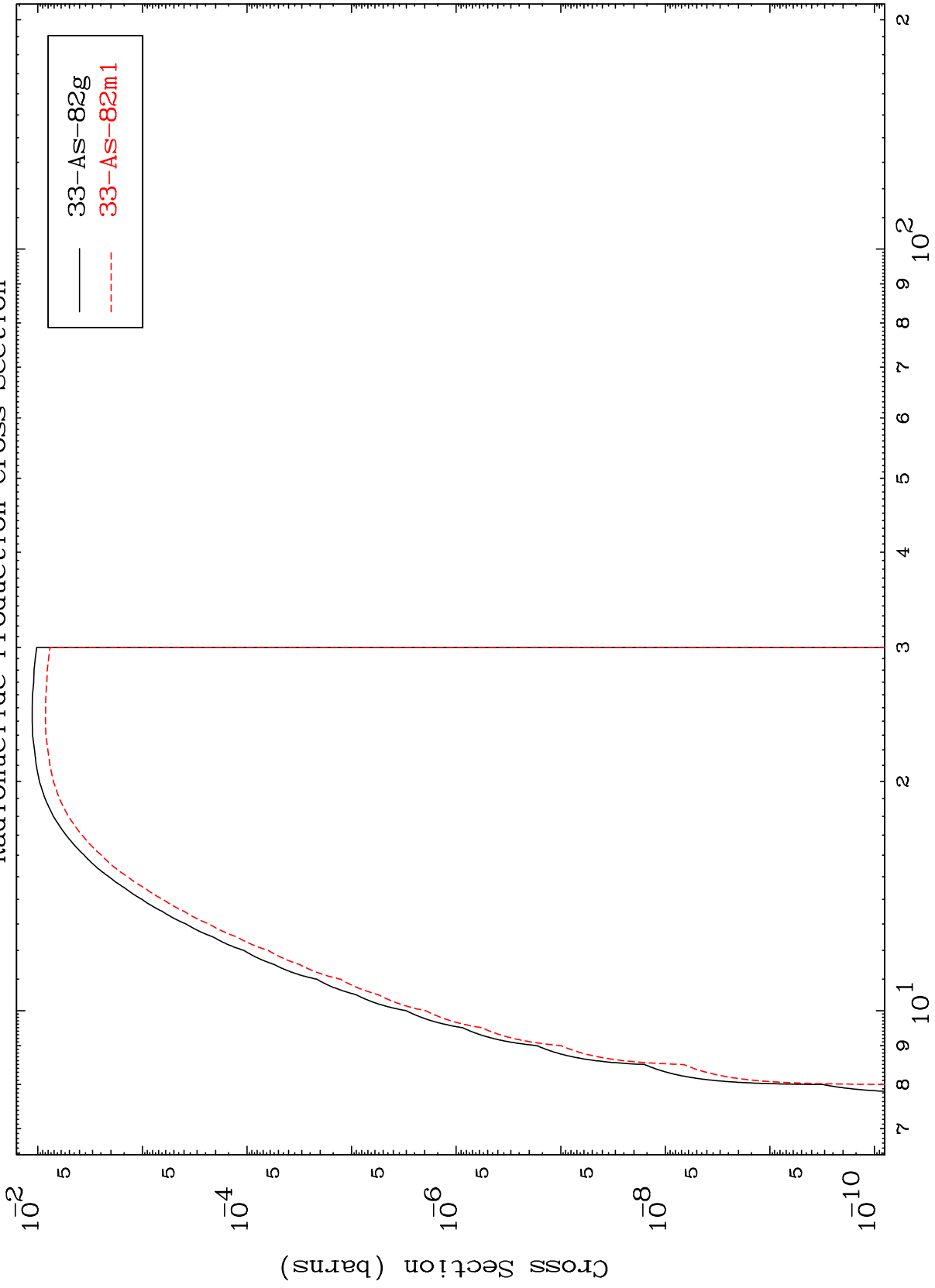
84

³⁴Se-82

MAT 3449

34-Se-82

(n,p)
Radionuclide Production Cross Section



33-As-82g
33-As-82m1

85

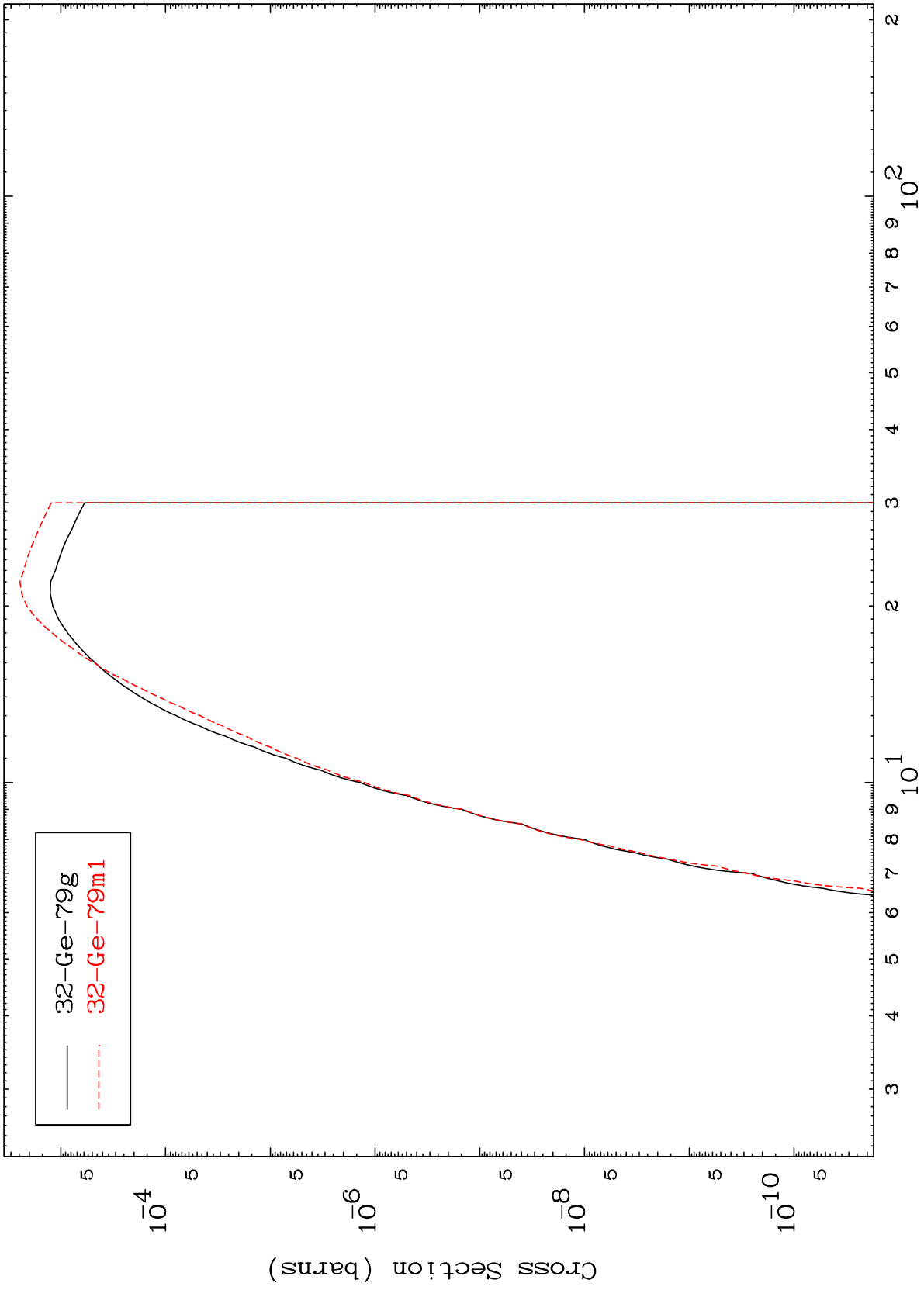
Incident Energy (MeV)

34-Se-82

MAT 3449

³⁴Se-82

Radionuclide Production Cross Section
(n,α)



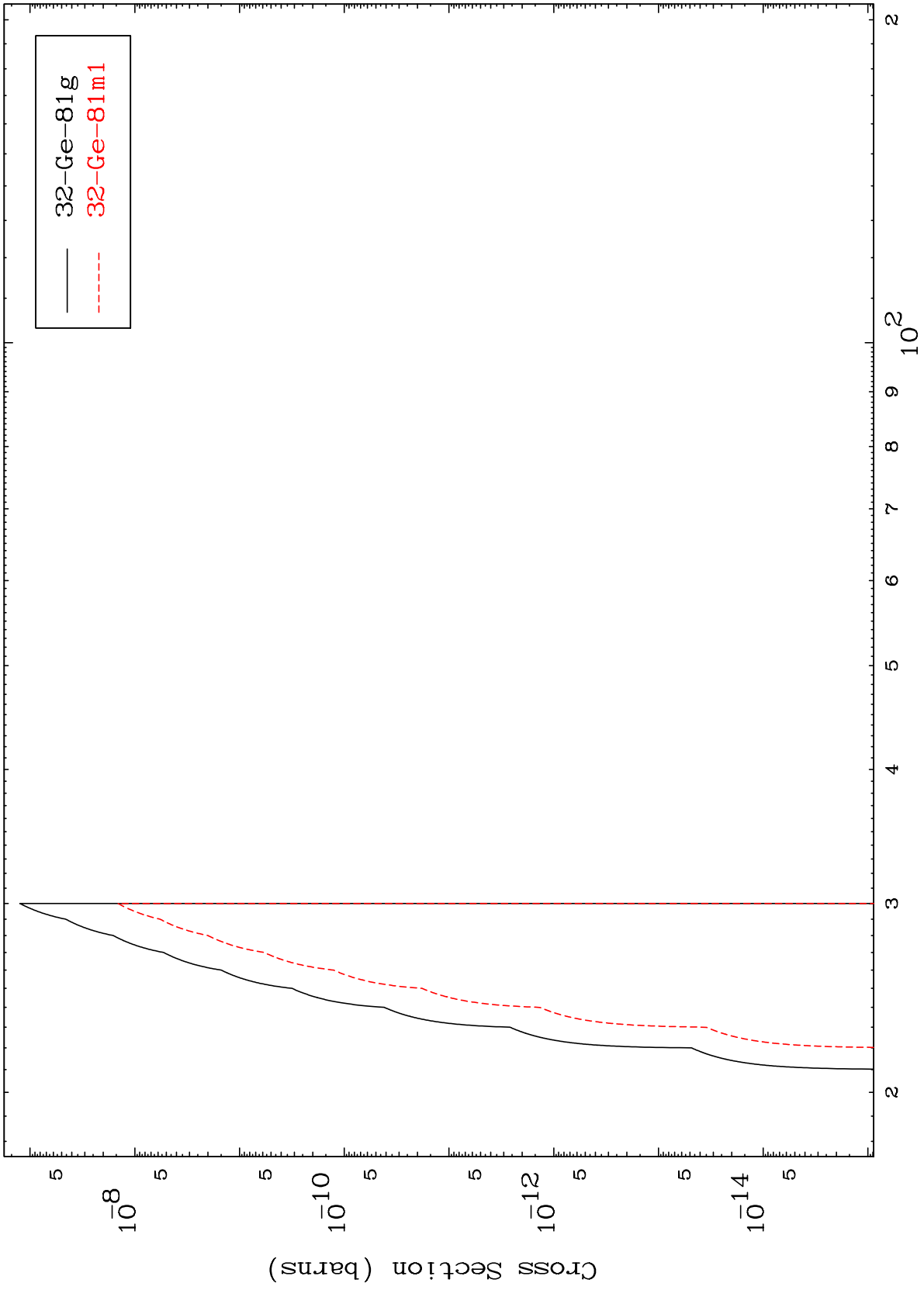
86

³⁴Se-82

MAT 3449

34-^{Se}-82

(n,2p)
Radionuclide Production Cross Section



87

34-^{Se}-82