

Program EVALPLOT  
(Version 2018-1)

by

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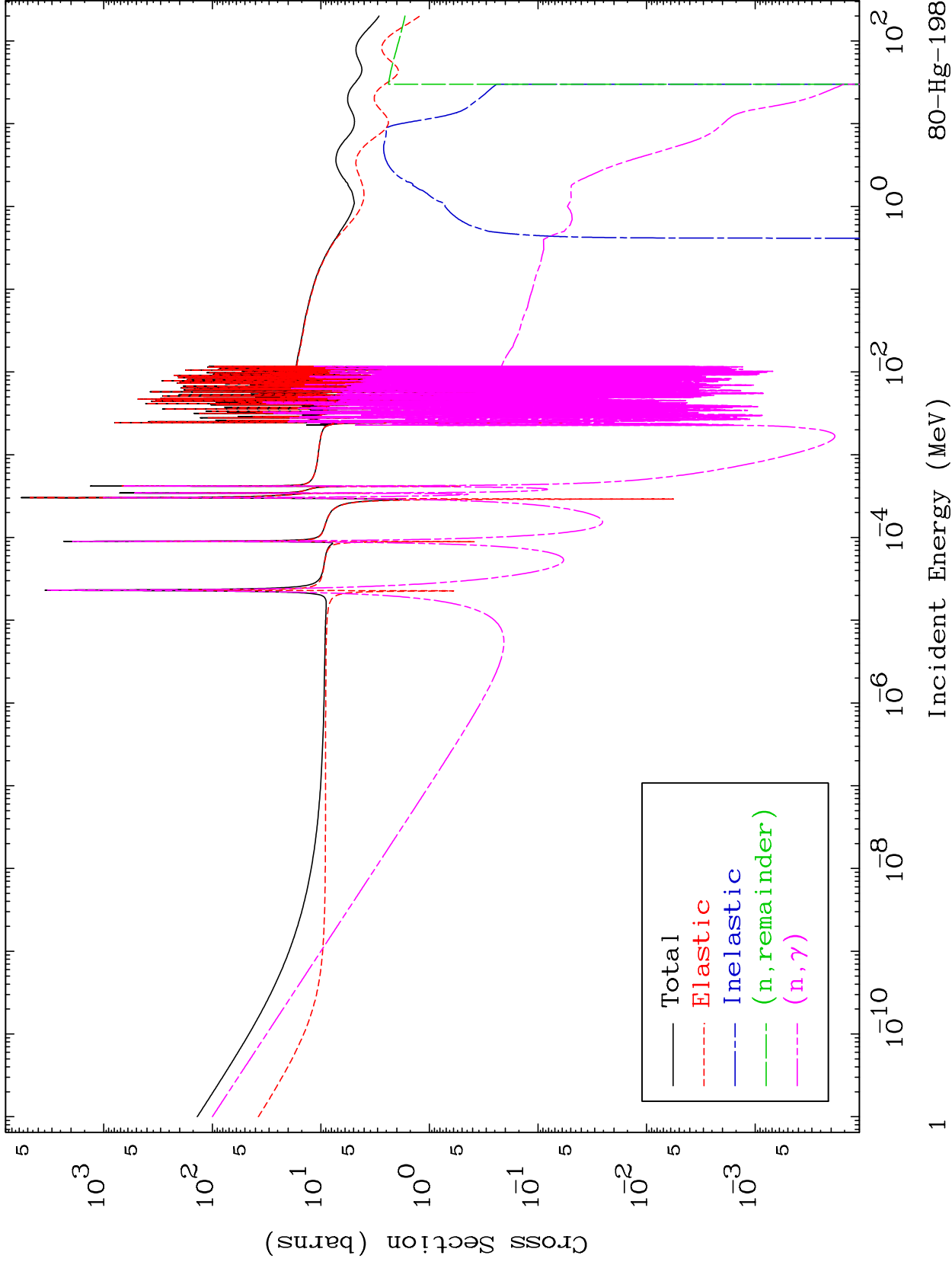
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8031

Major  
293 Kelvin Cross Sections

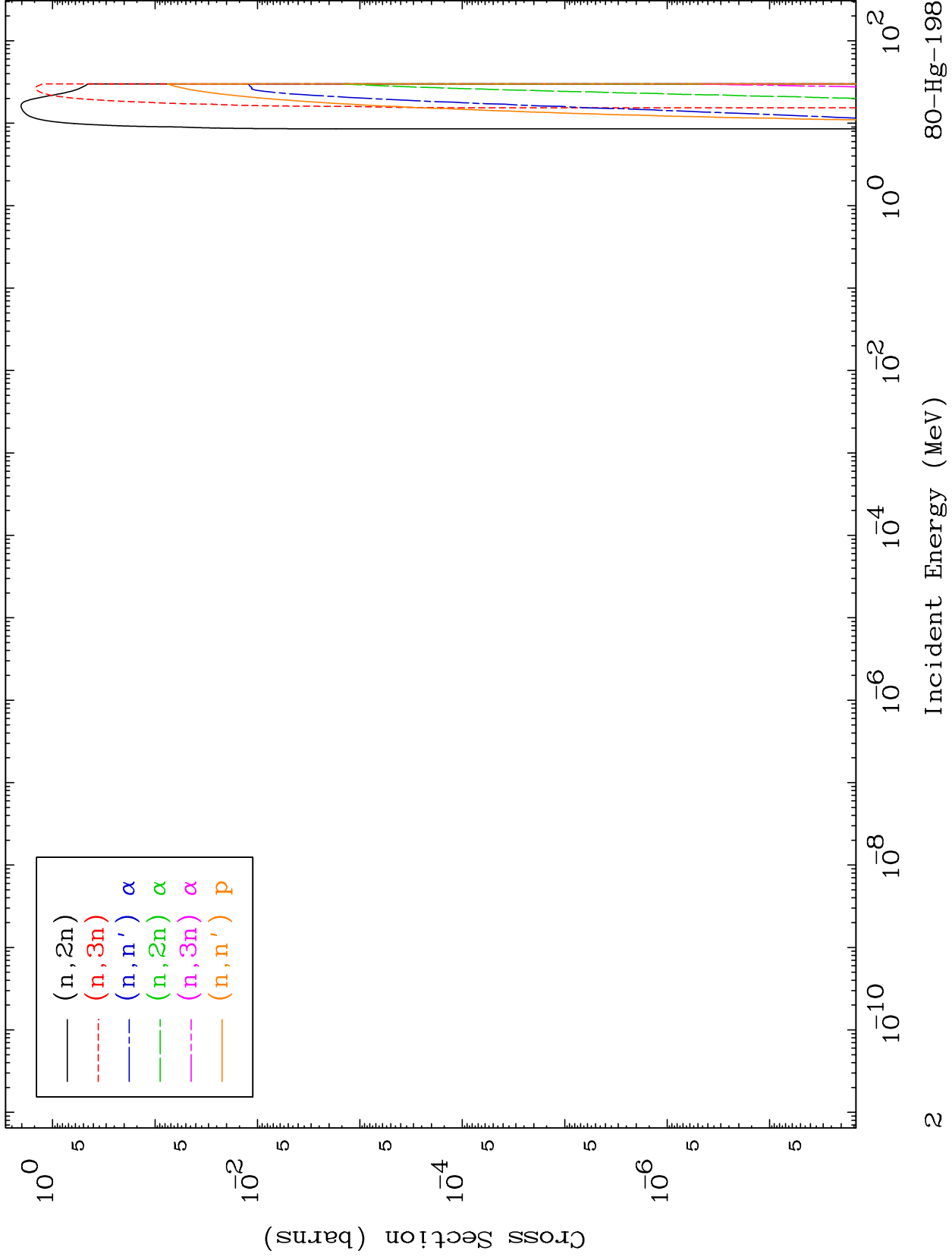
80-Hg-198

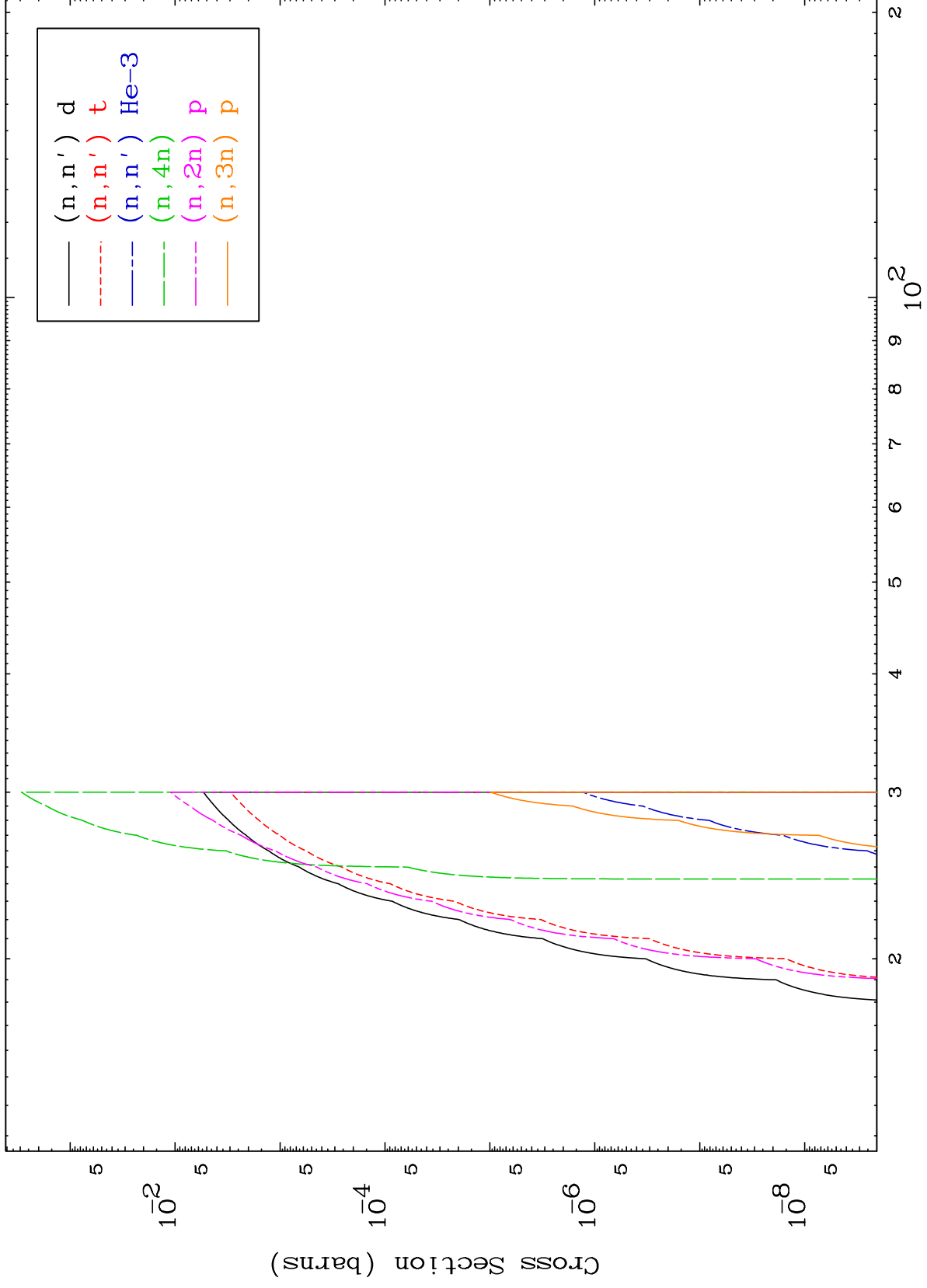


MAT 8031

Neutron Production  
293 Kelvin Cross Sections

80-Hg-198

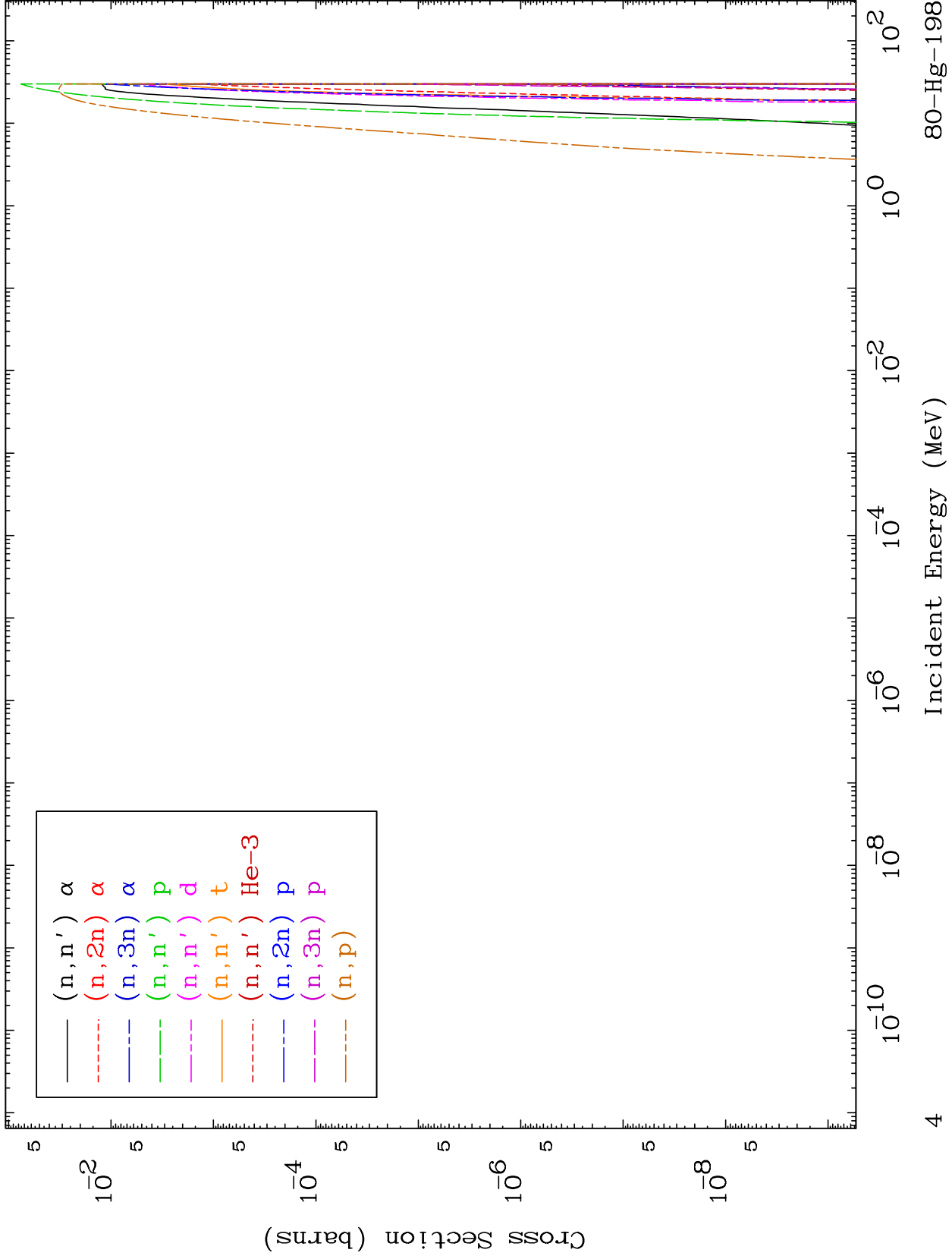




MAT 8031

Charged Particle  
293 Kelvin Cross Sections

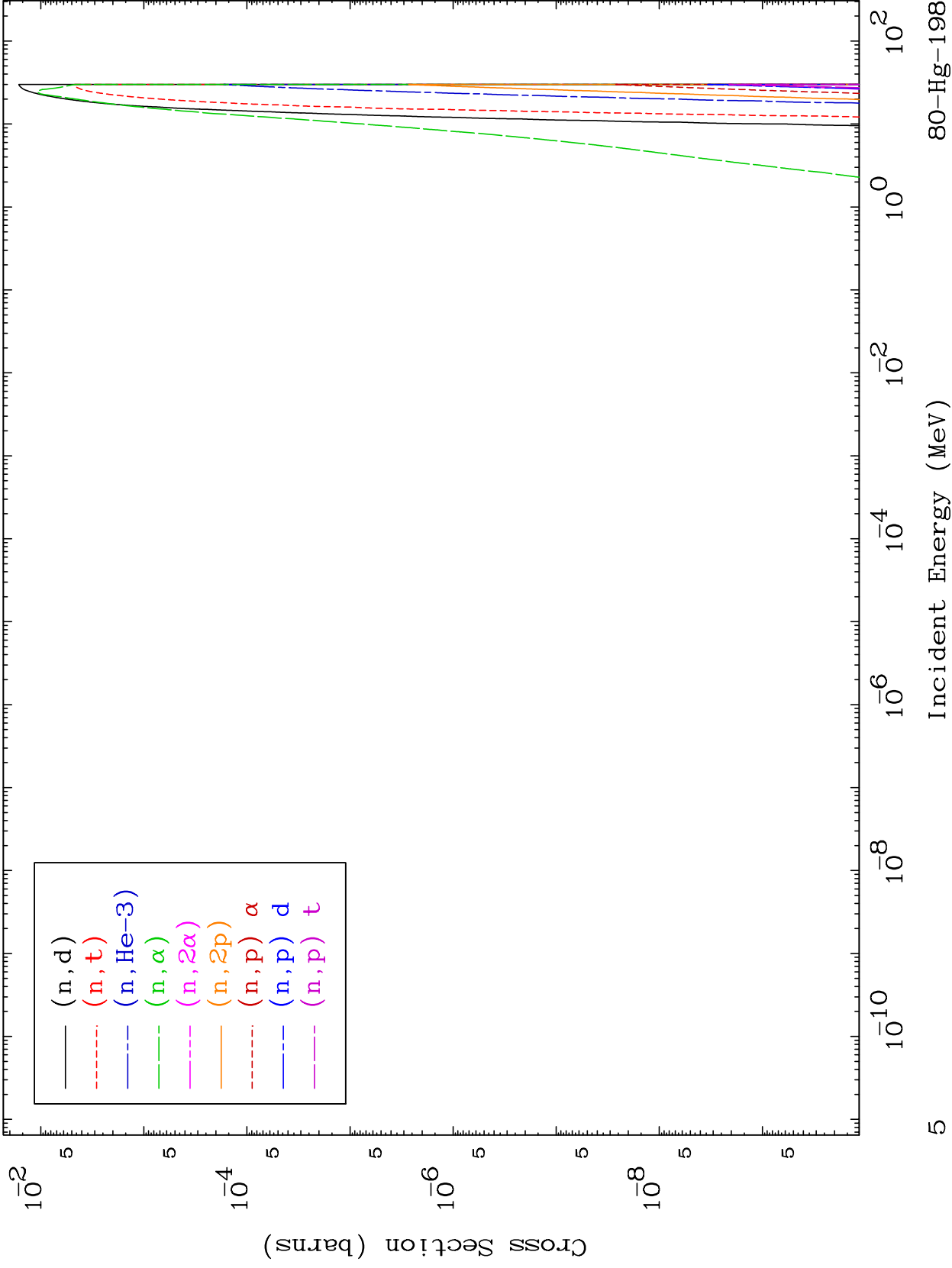
80-Hg-198



MAT 8031

Charged Particle  
293 Kelvin Cross Sections

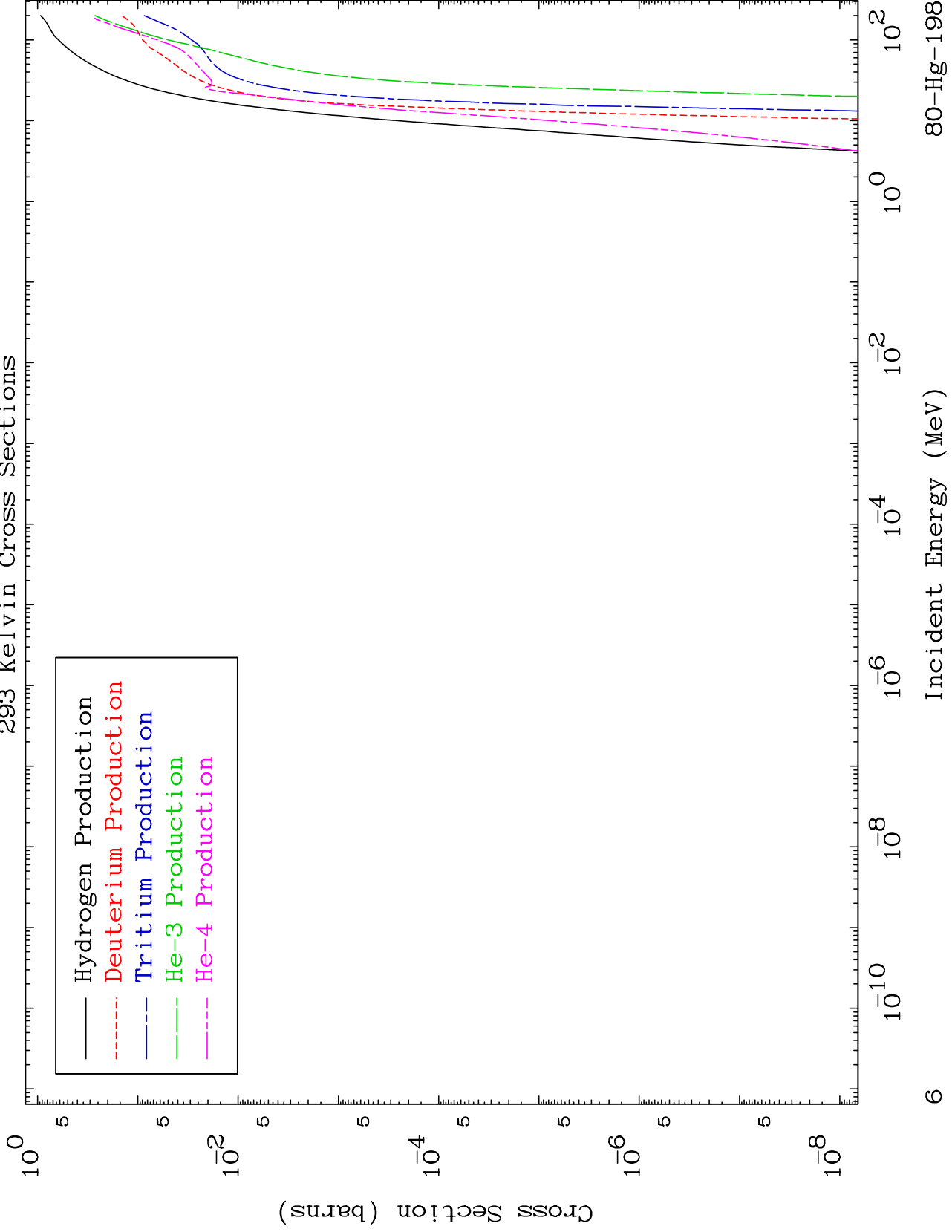
80-Hg-198



MAT 8031

Particle Production  
293 Kelvin Cross Sections

80-Hg-198

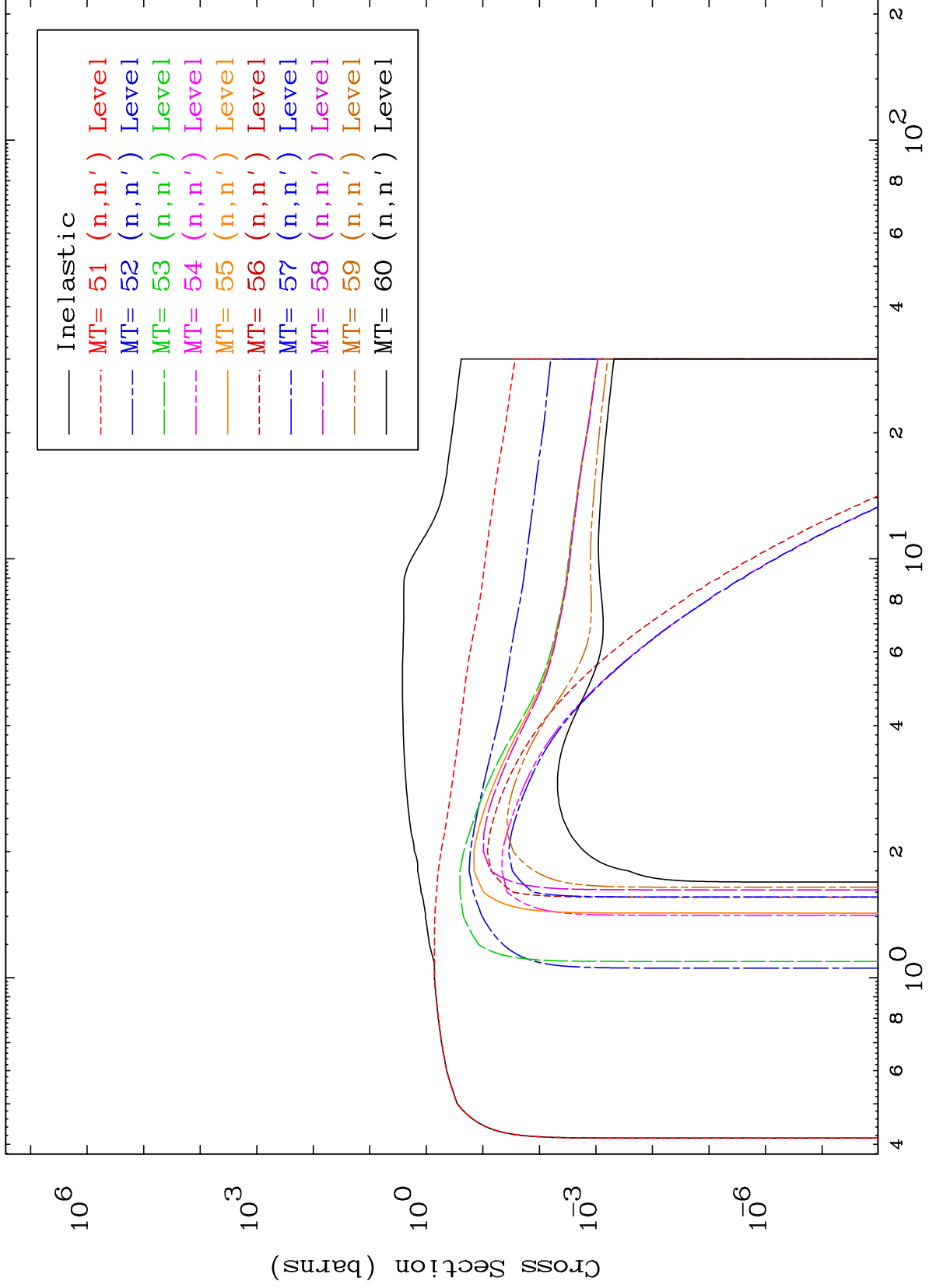


MAT 8031

(n,n') Level

80-Hg-198

293 Kelvin Cross Sections



7

Incident Energy (MeV)

80-Hg-198

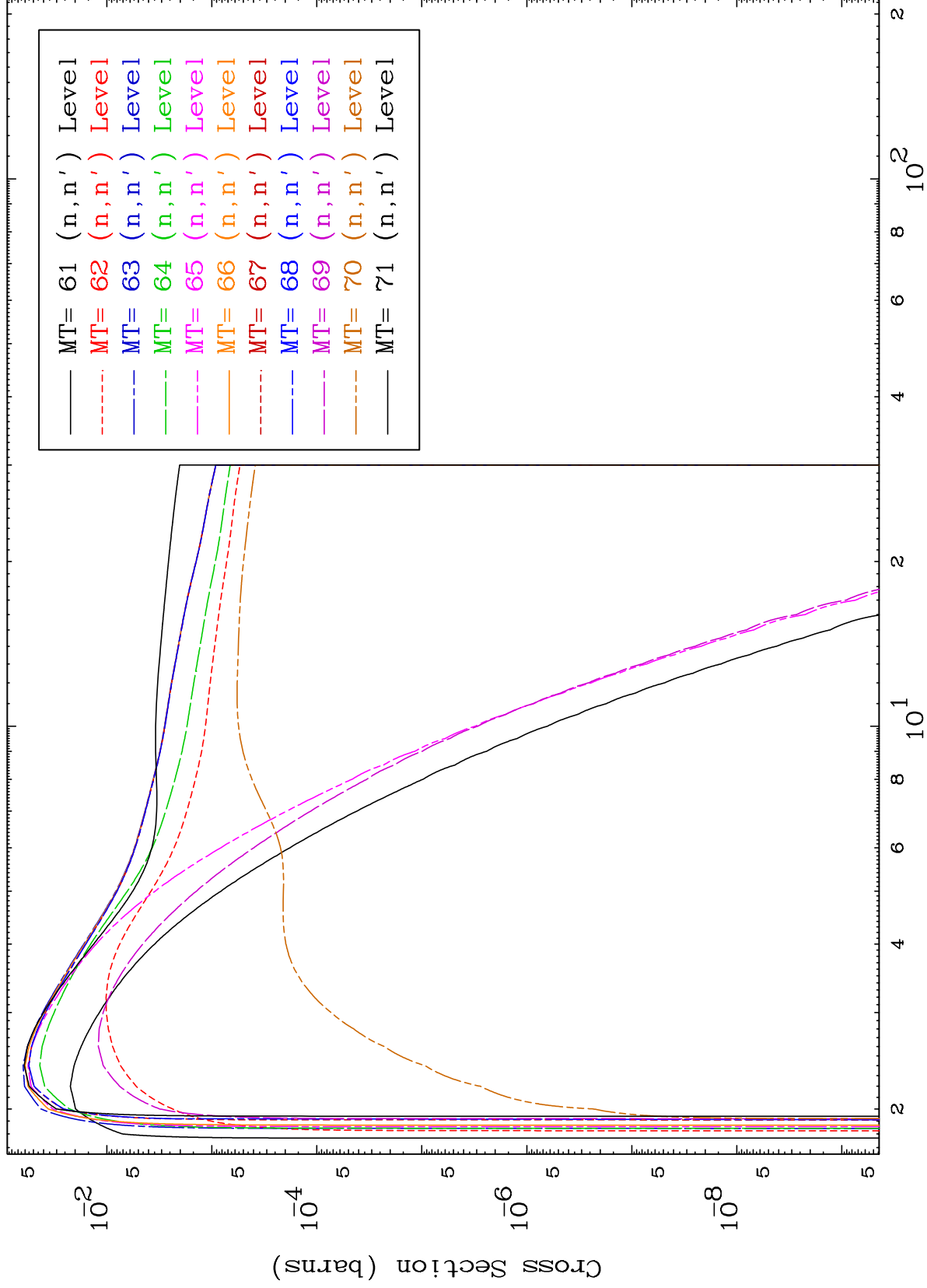


MAT 8031

(n,n') Level

80-Hg-198

293 Kelvin Cross Sections



8

Incident Energy (MeV)

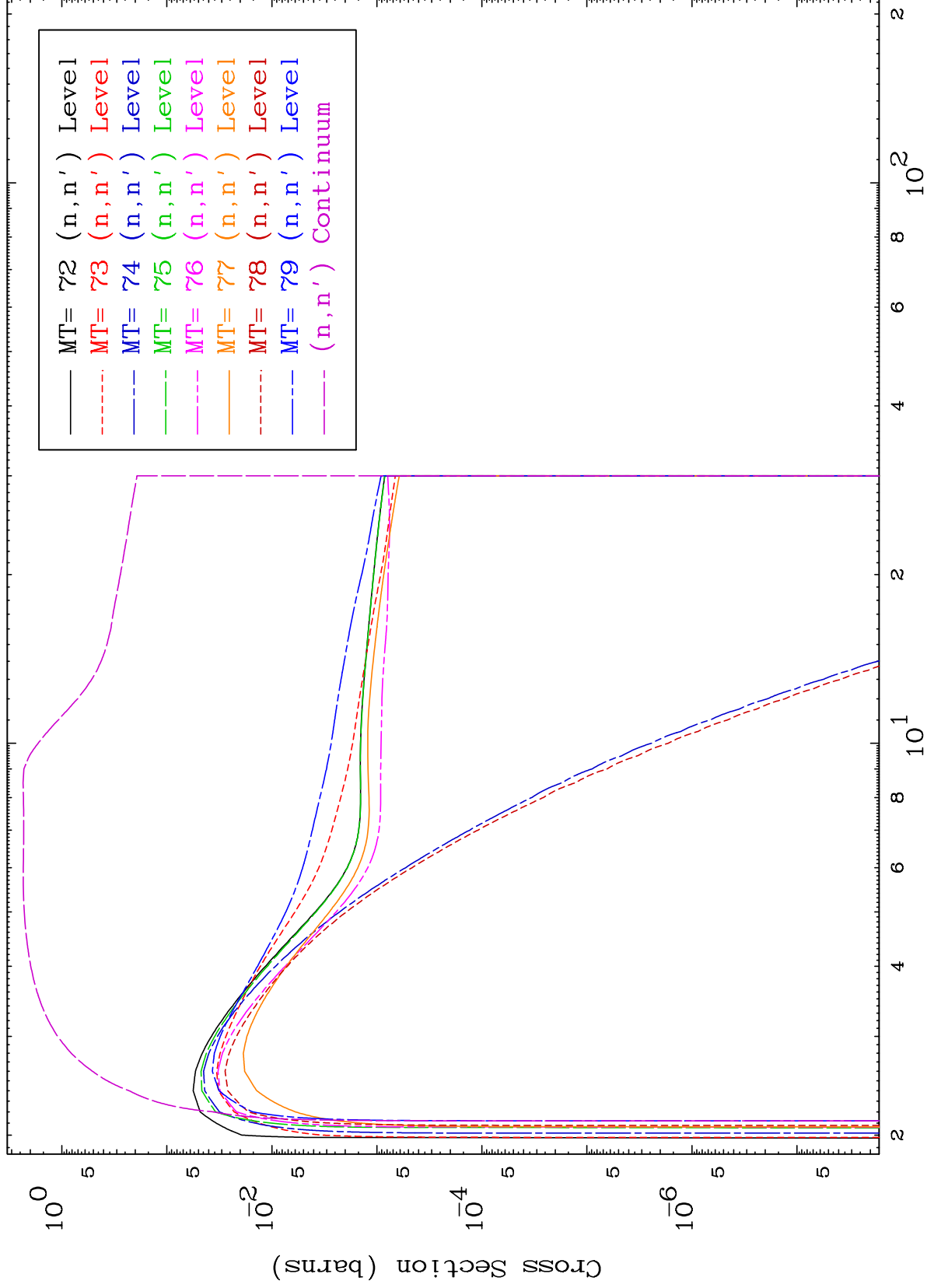
80-Hg-198

MAT 8031

(n,n') Level

80-Hg-198

293 Kelvin Cross Sections



9

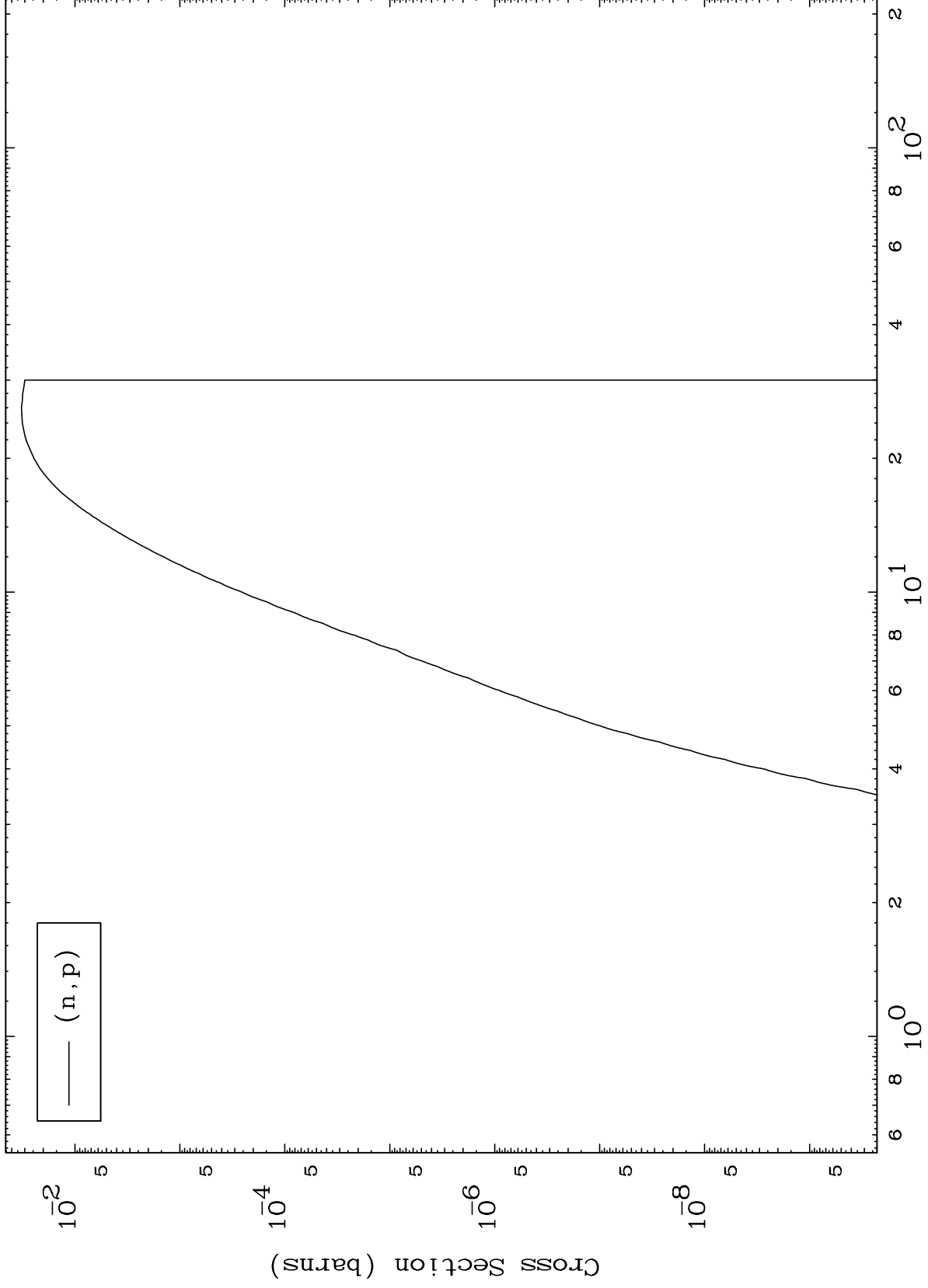
Incident Energy (MeV)

80-Hg-198

MAT 8031

(n,p) Levels  
293 Kelvin Cross Sections

80-Hg-198



10

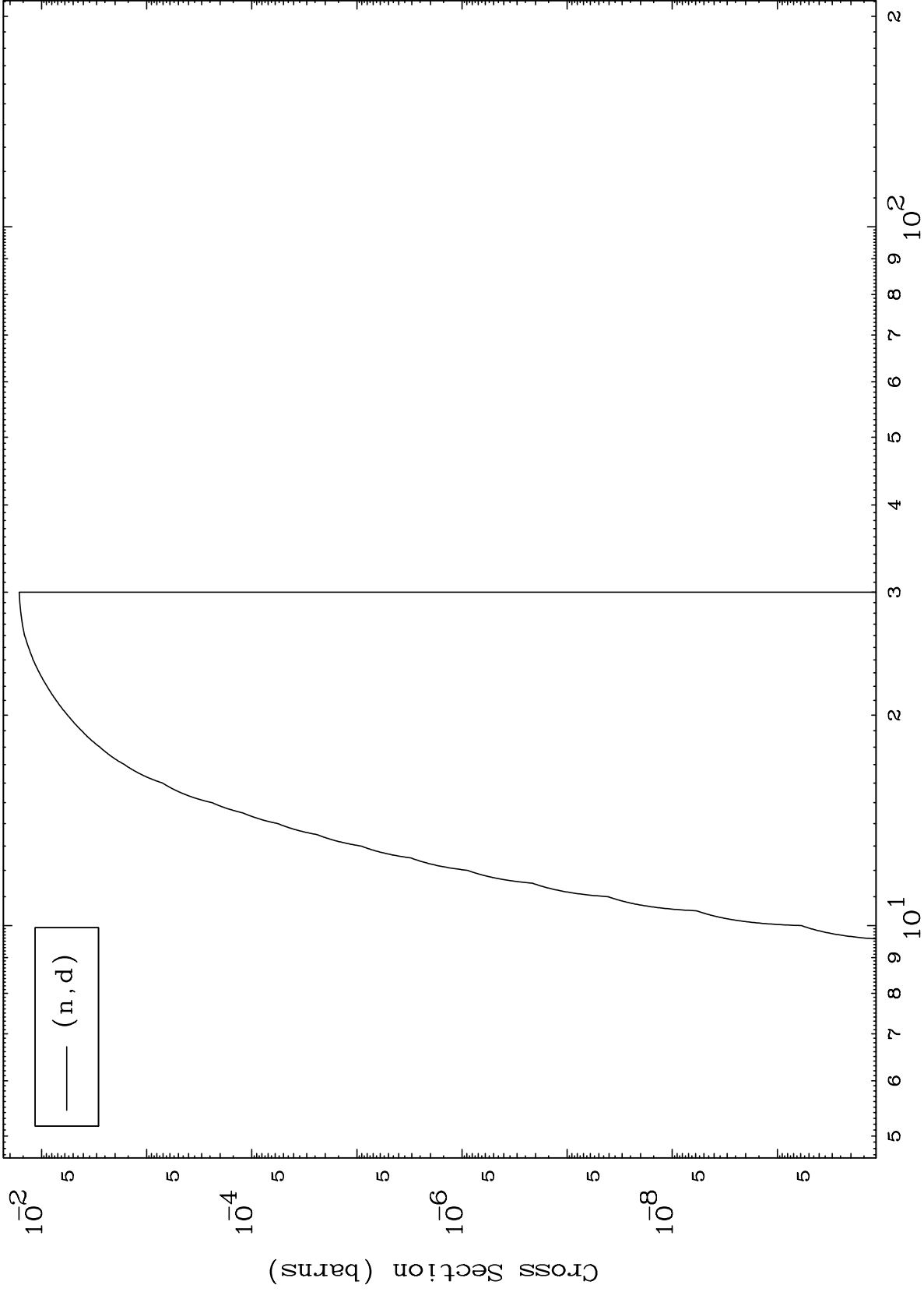
Incident Energy (MeV)

80-Hg-198

MAT 8031

(n,d) Levels  
293 Kelvin Cross Sections

80-Hg-198



11

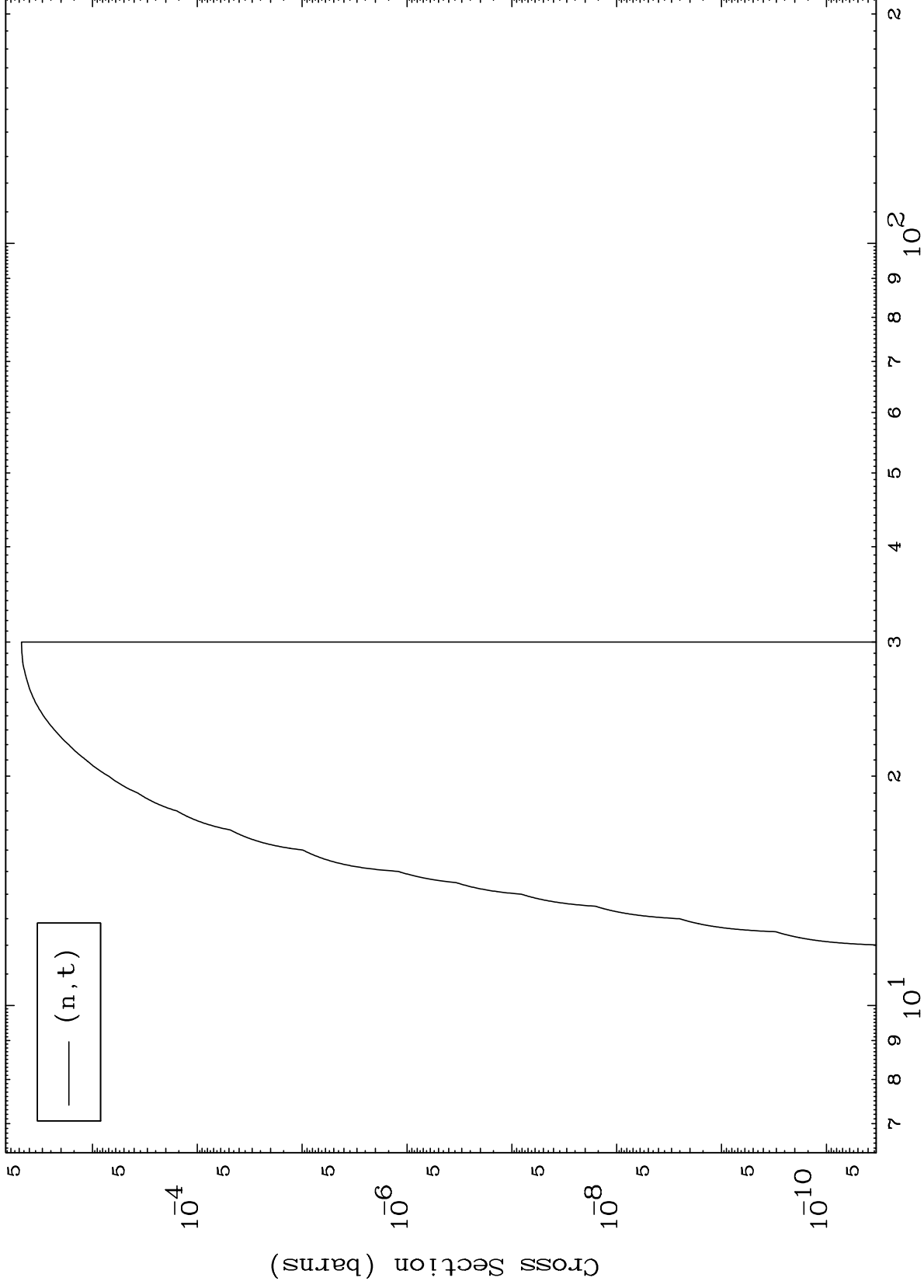
Incident Energy (MeV)

80-Hg-198

MAT 8031

(n,t) Levels  
293 Kelvin Cross Sections

80-Hg-198



12

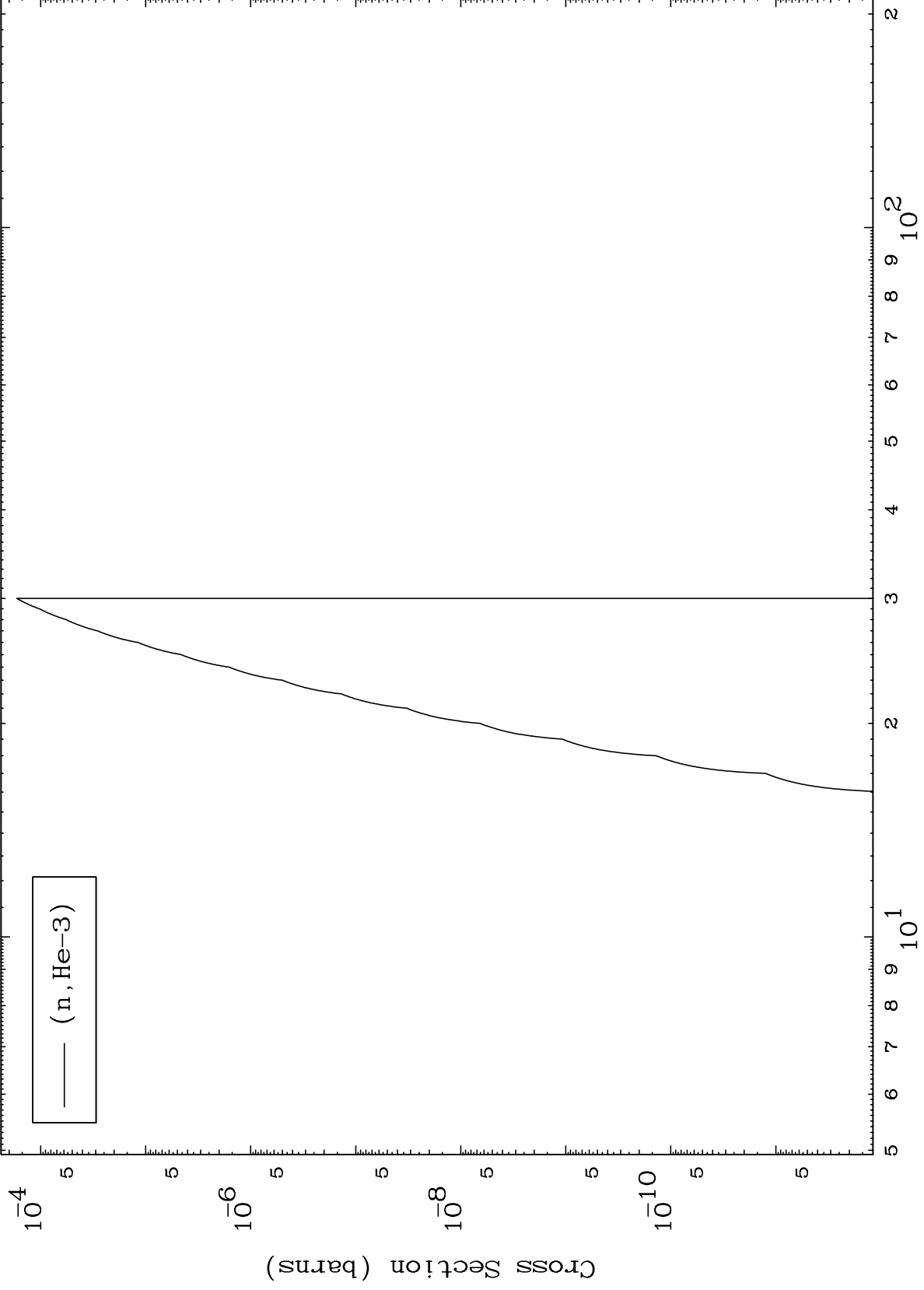
Incident Energy (MeV)

80-Hg-198

MAT 8031

(n,He3) Levels  
293 Kelvin Cross Sections

80-Hg-198



13

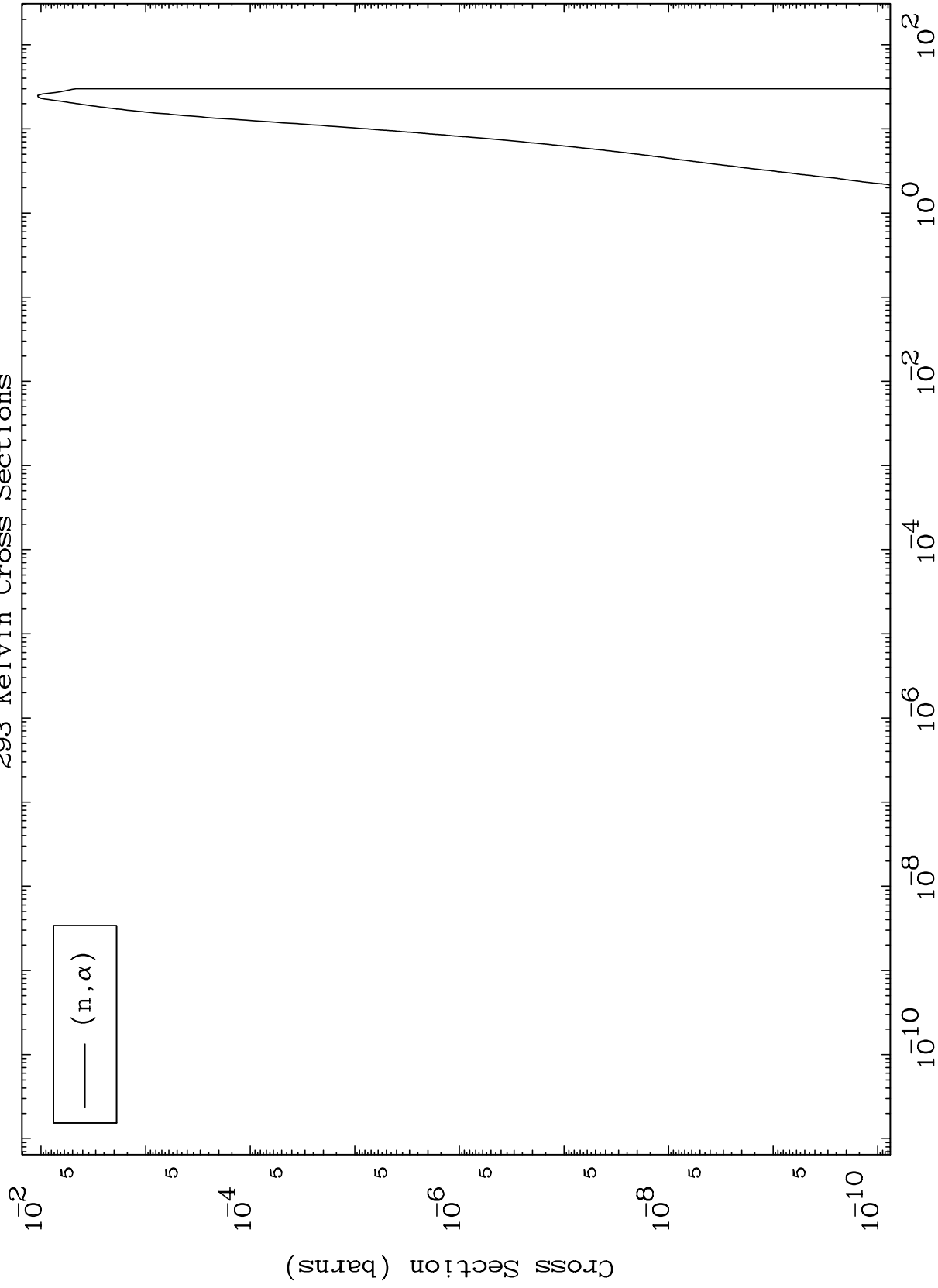
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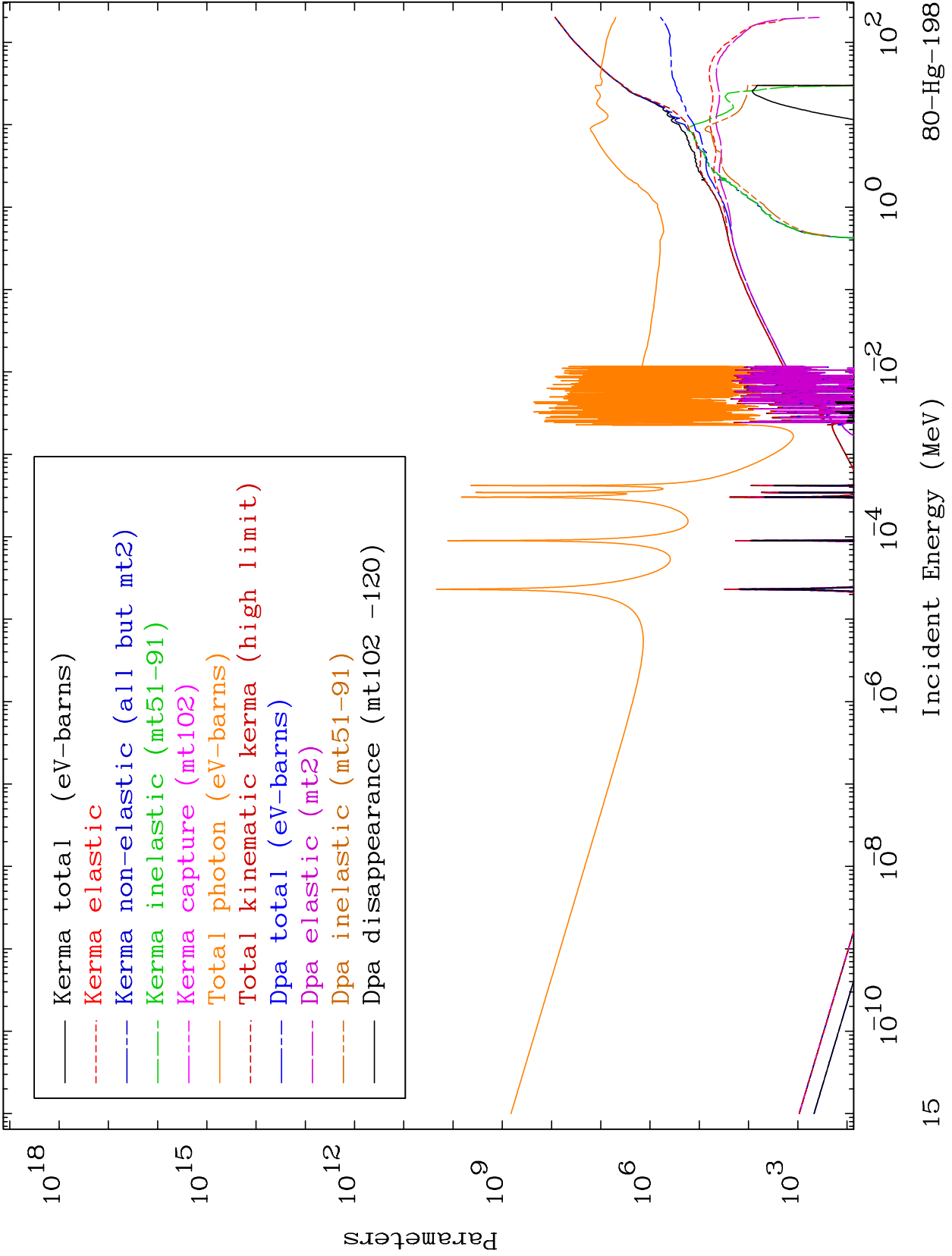
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MAT 8031

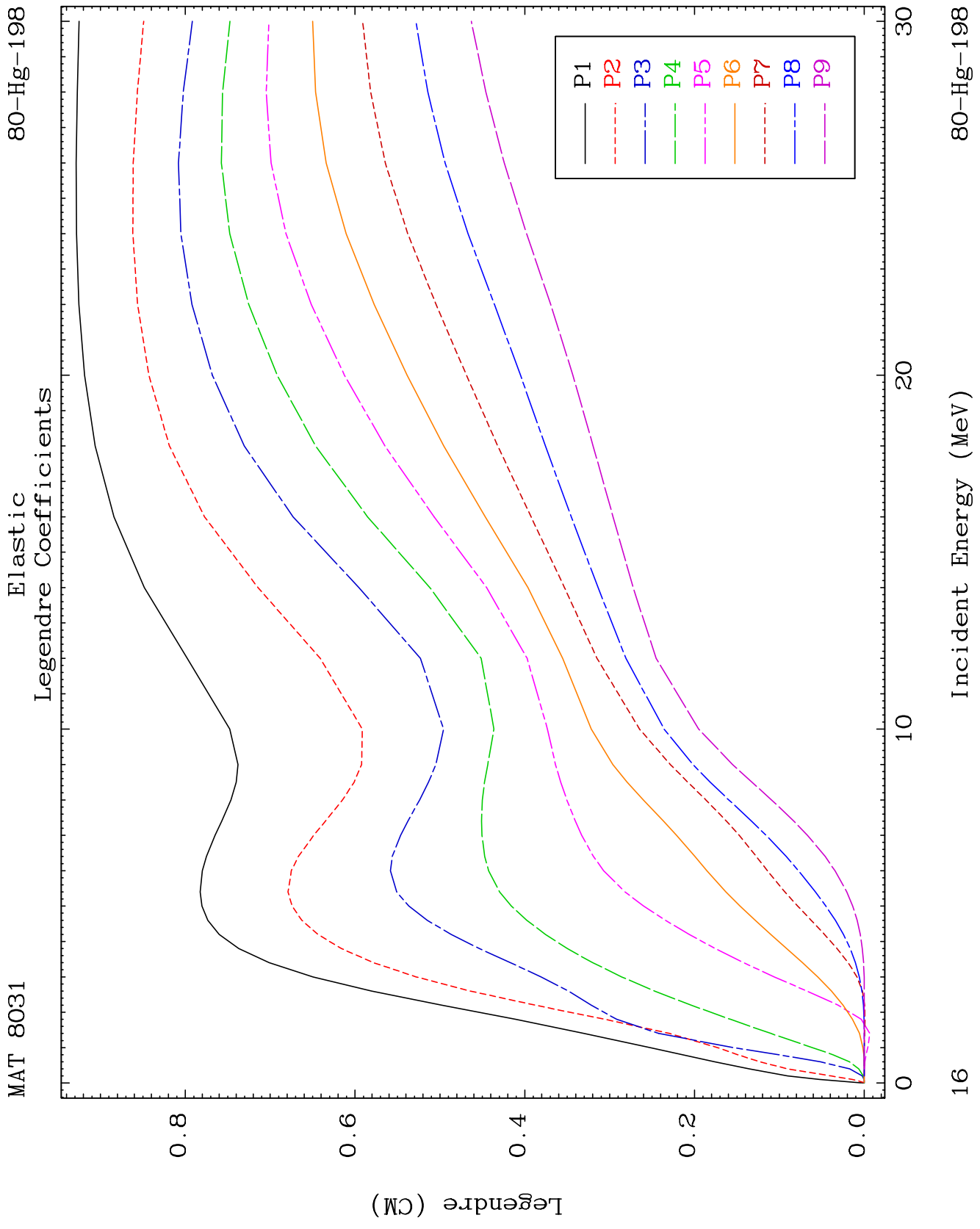
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

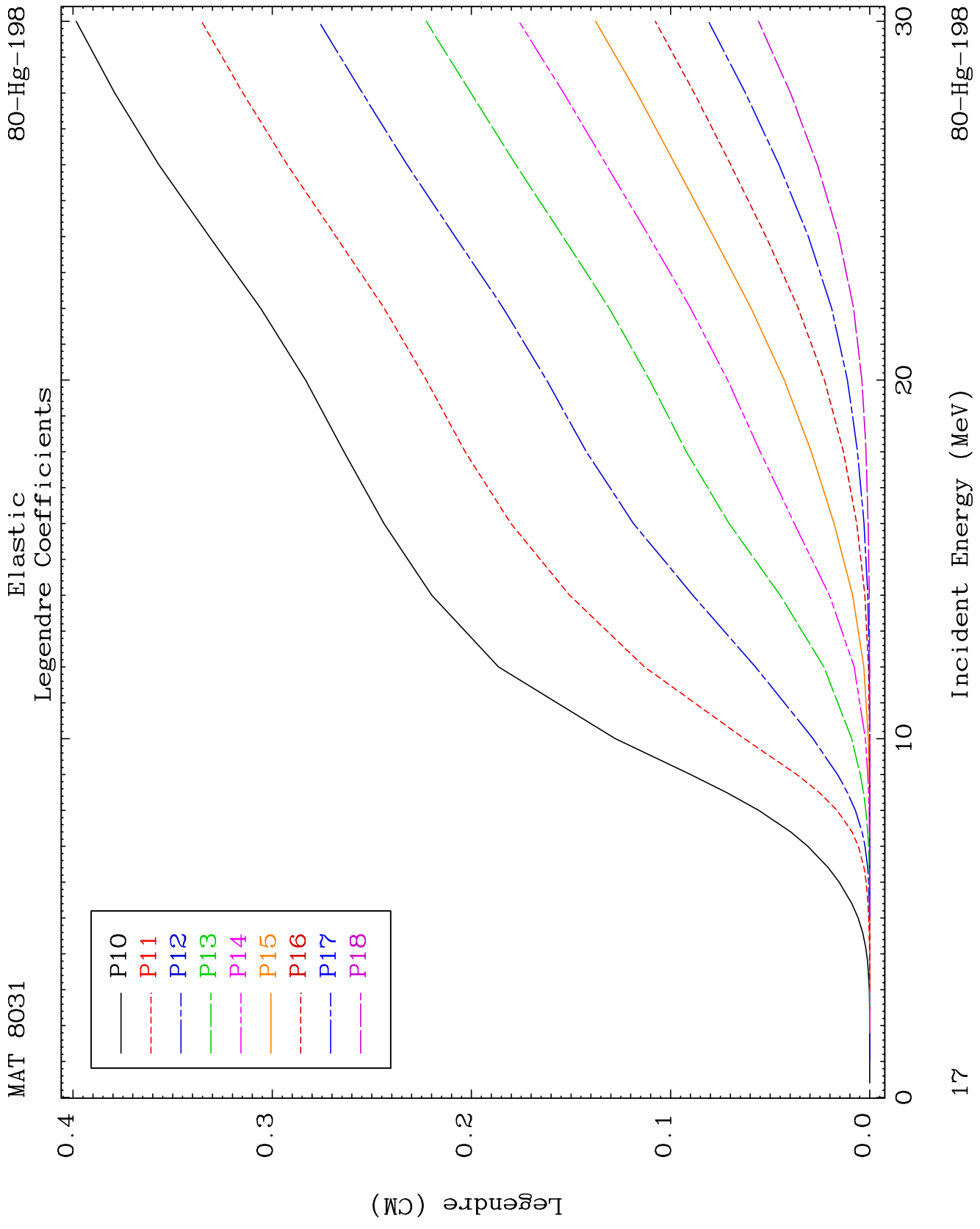
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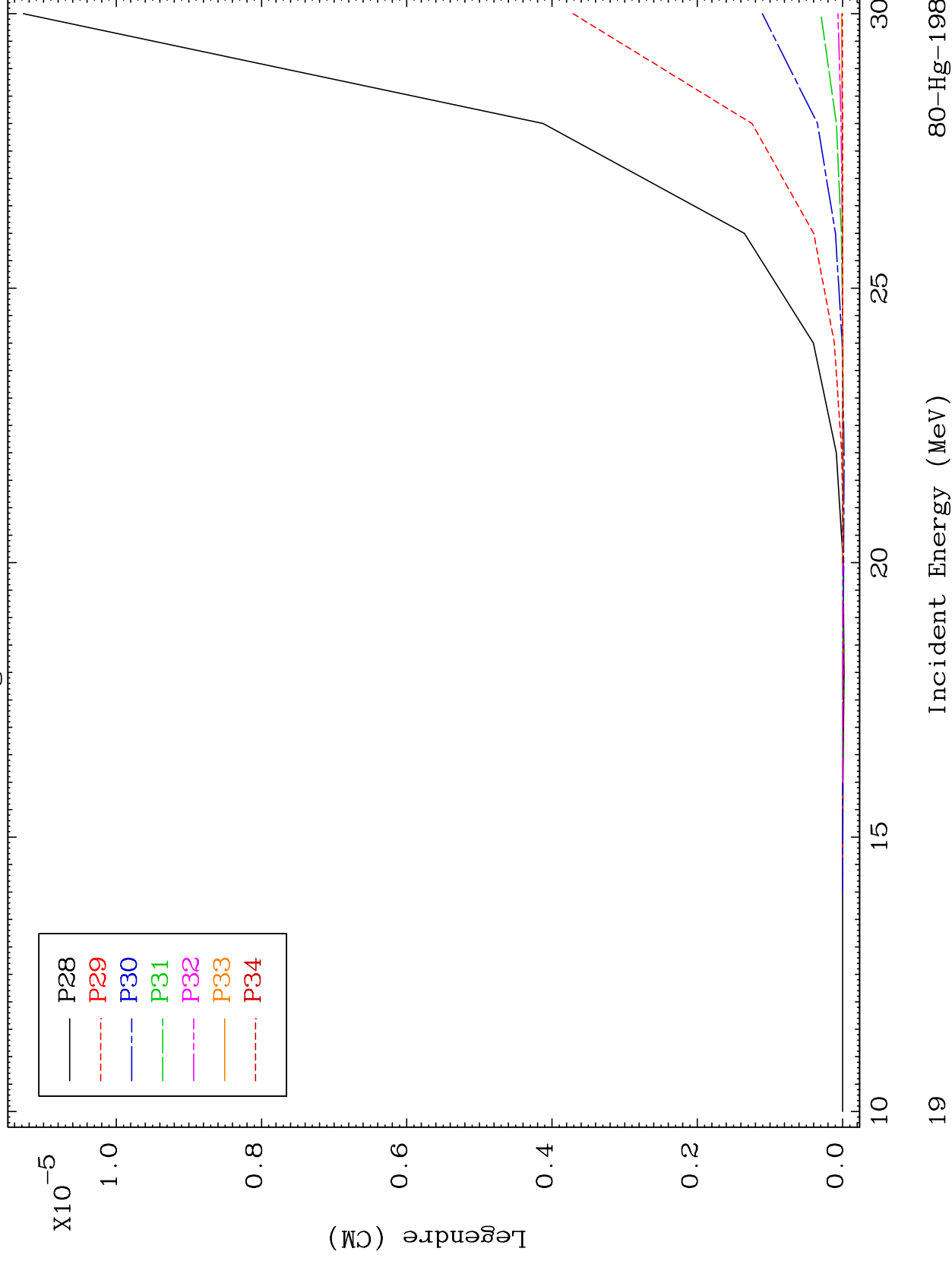




MAT 8031

Elastic  
Legendre Coefficients

80-Hg-198



19

Incident Energy (MeV)

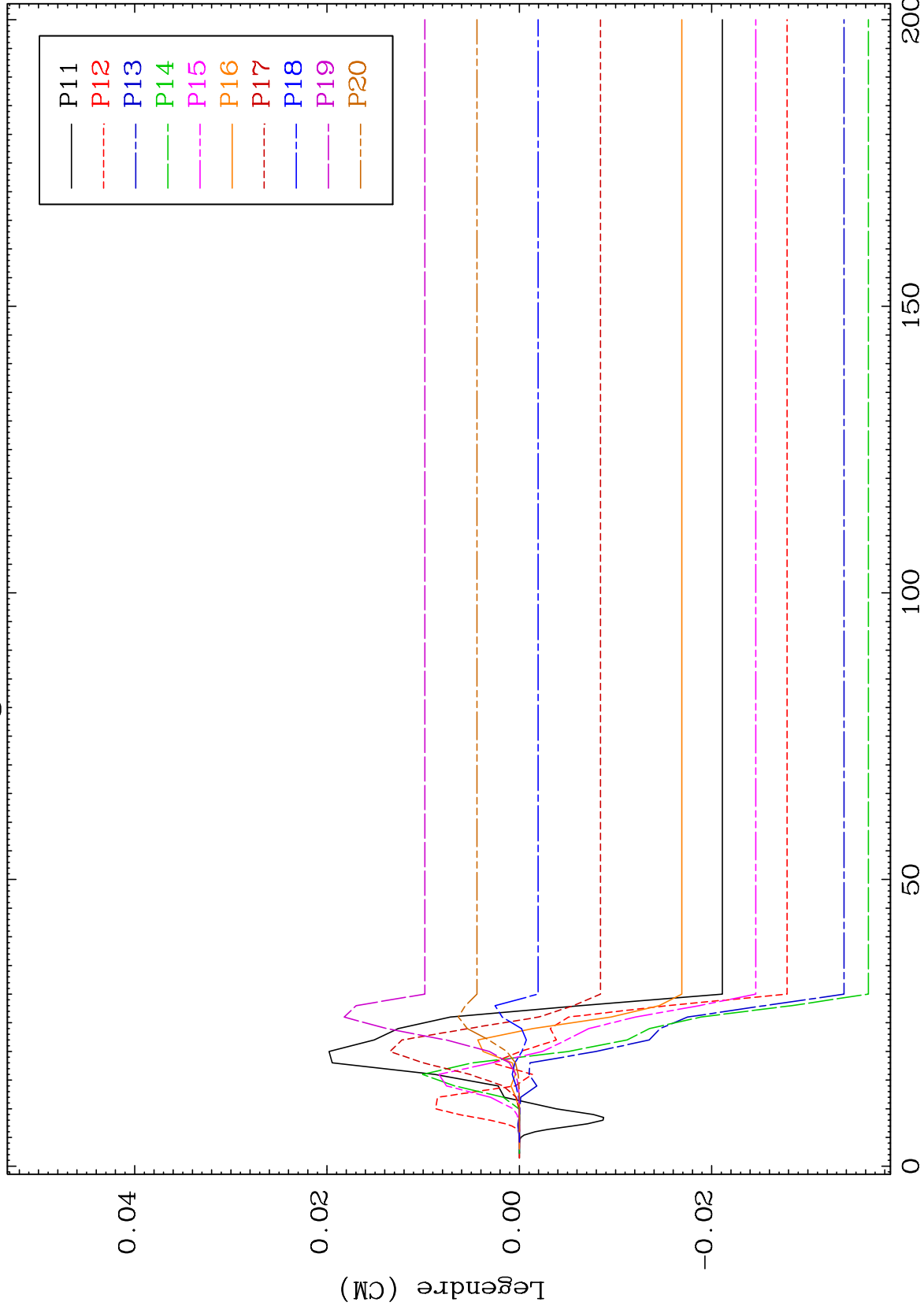
80-Hg-198



MAT 8031

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

80-Hg-198



21

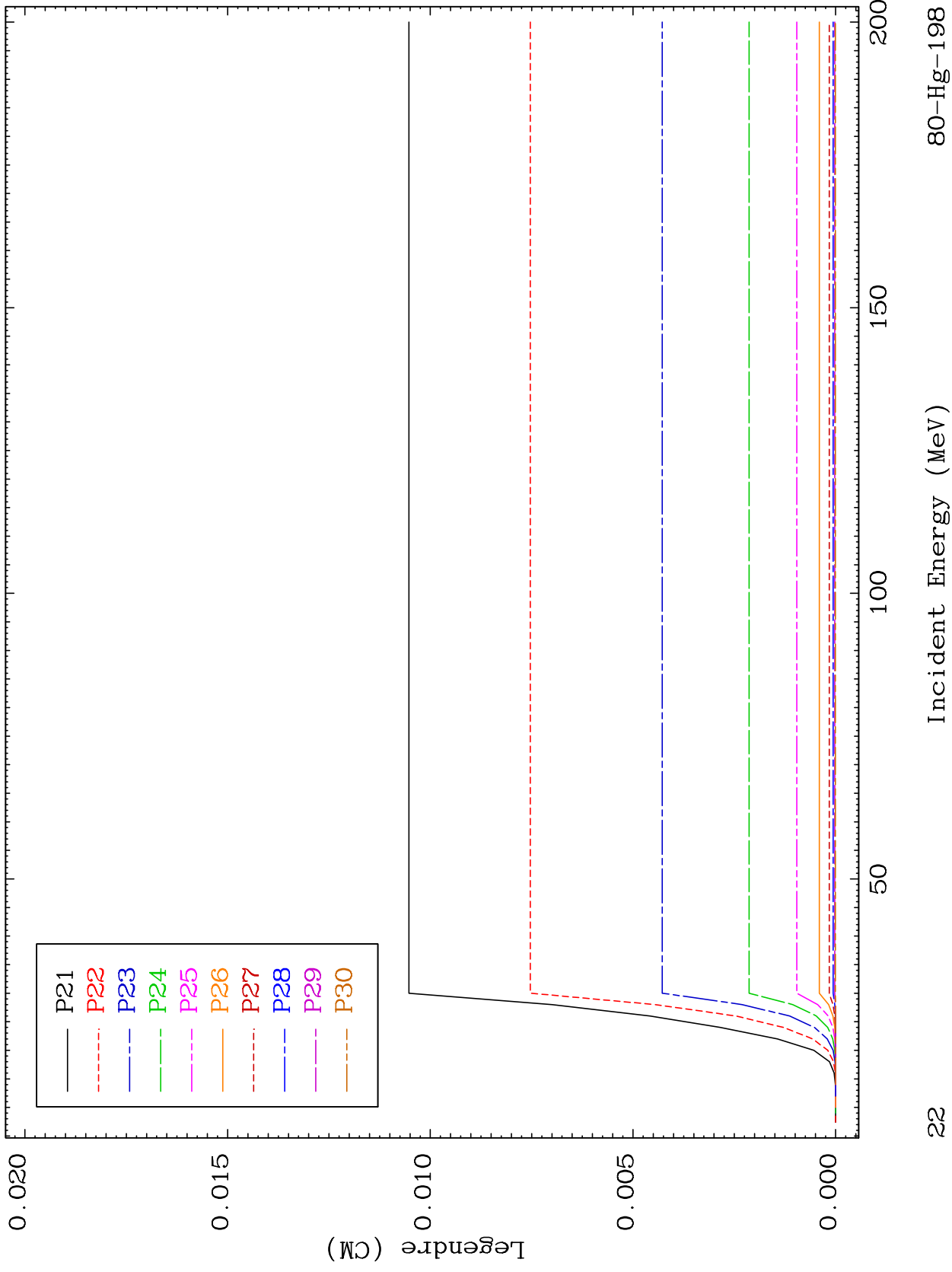
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



22

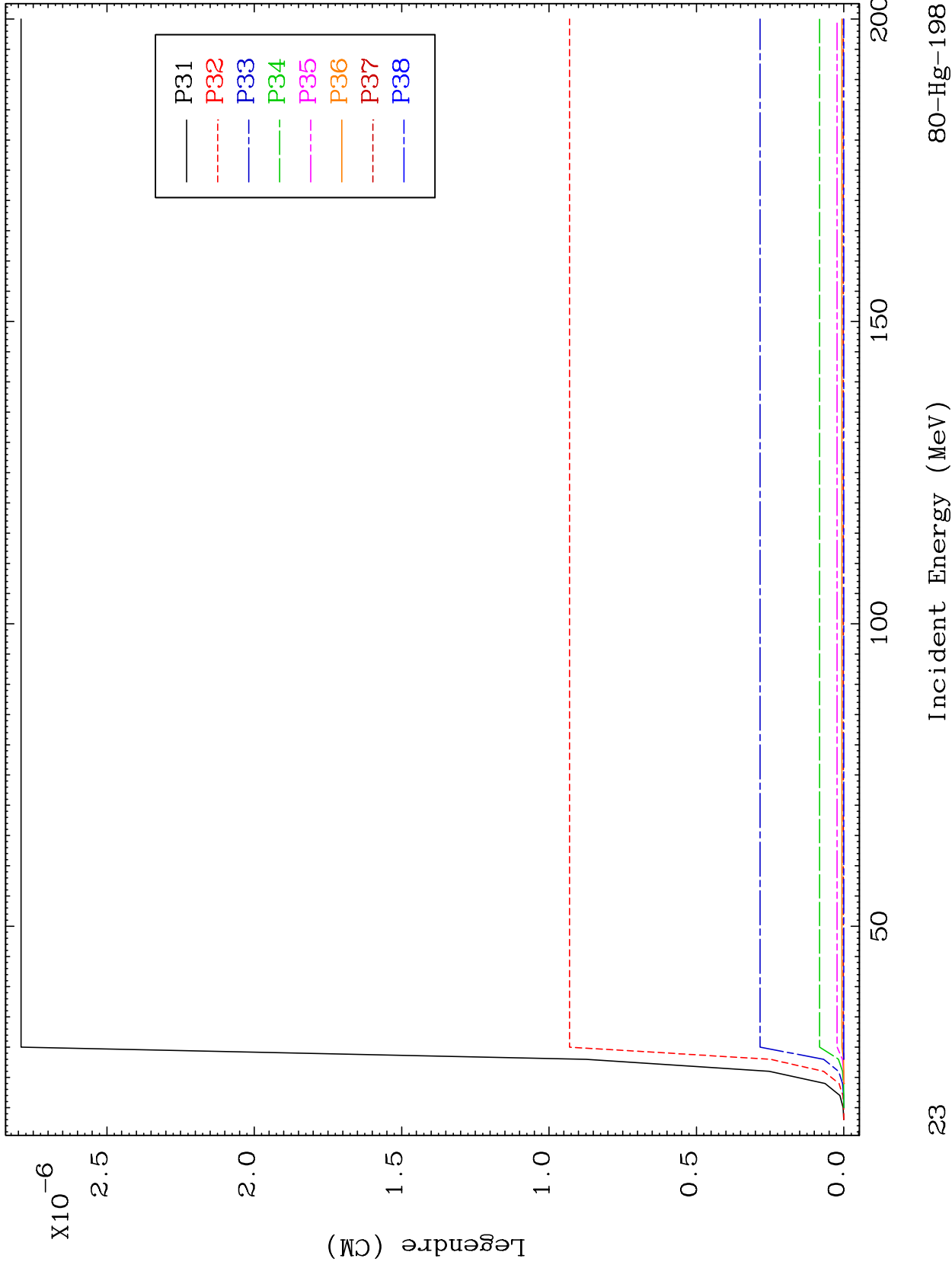
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

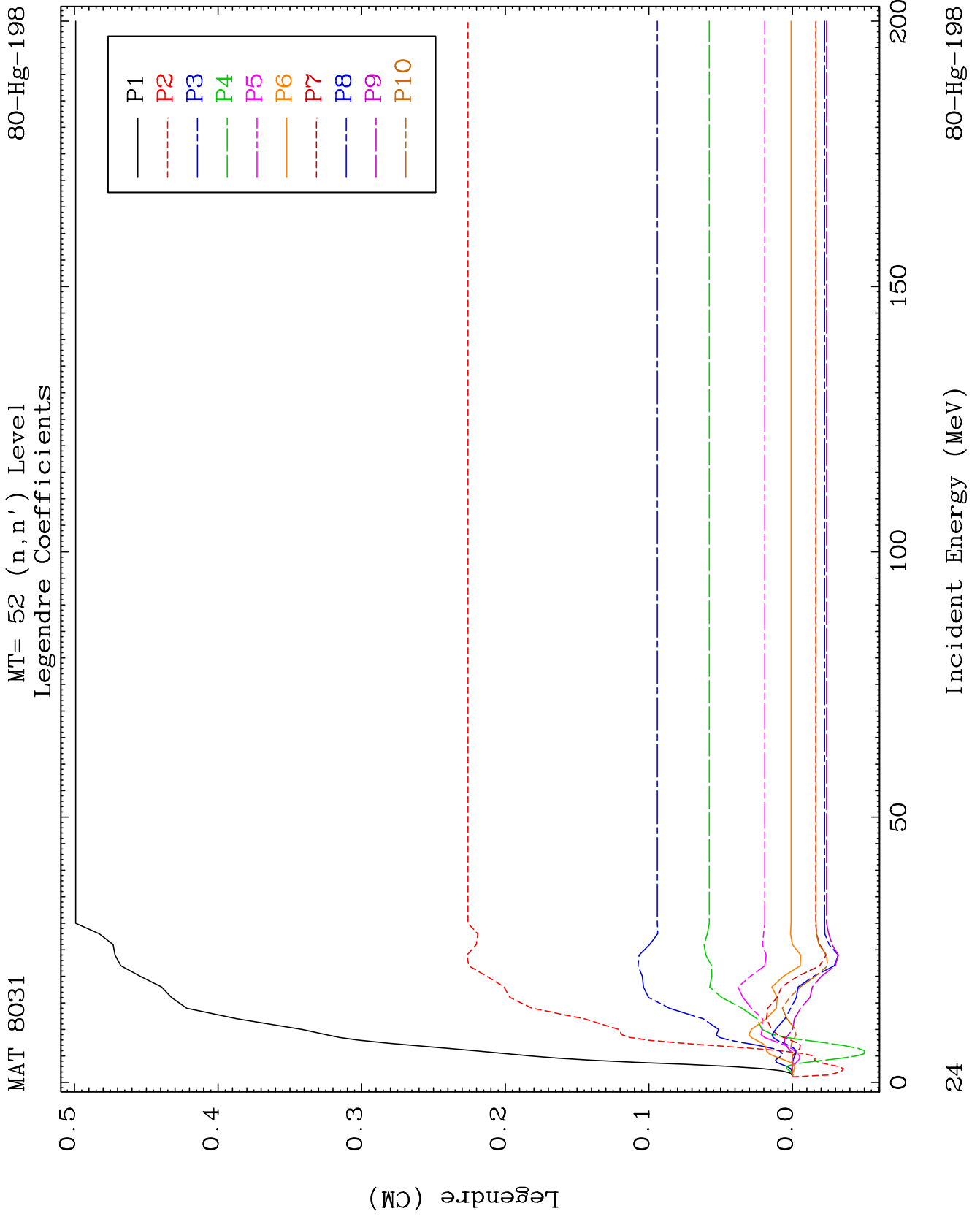
80-Hg-198



23

80-Hg-198



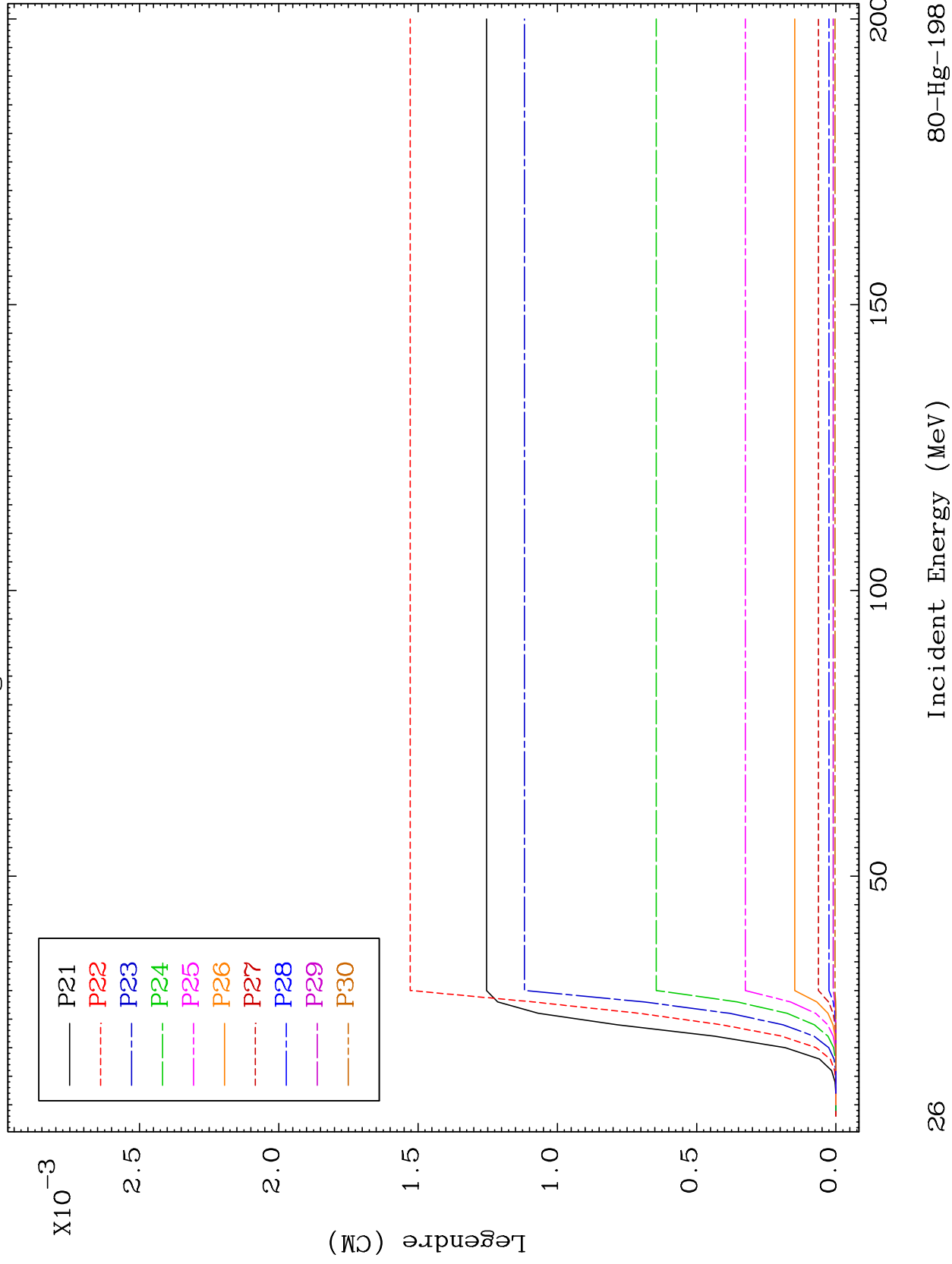




MAT 8031

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

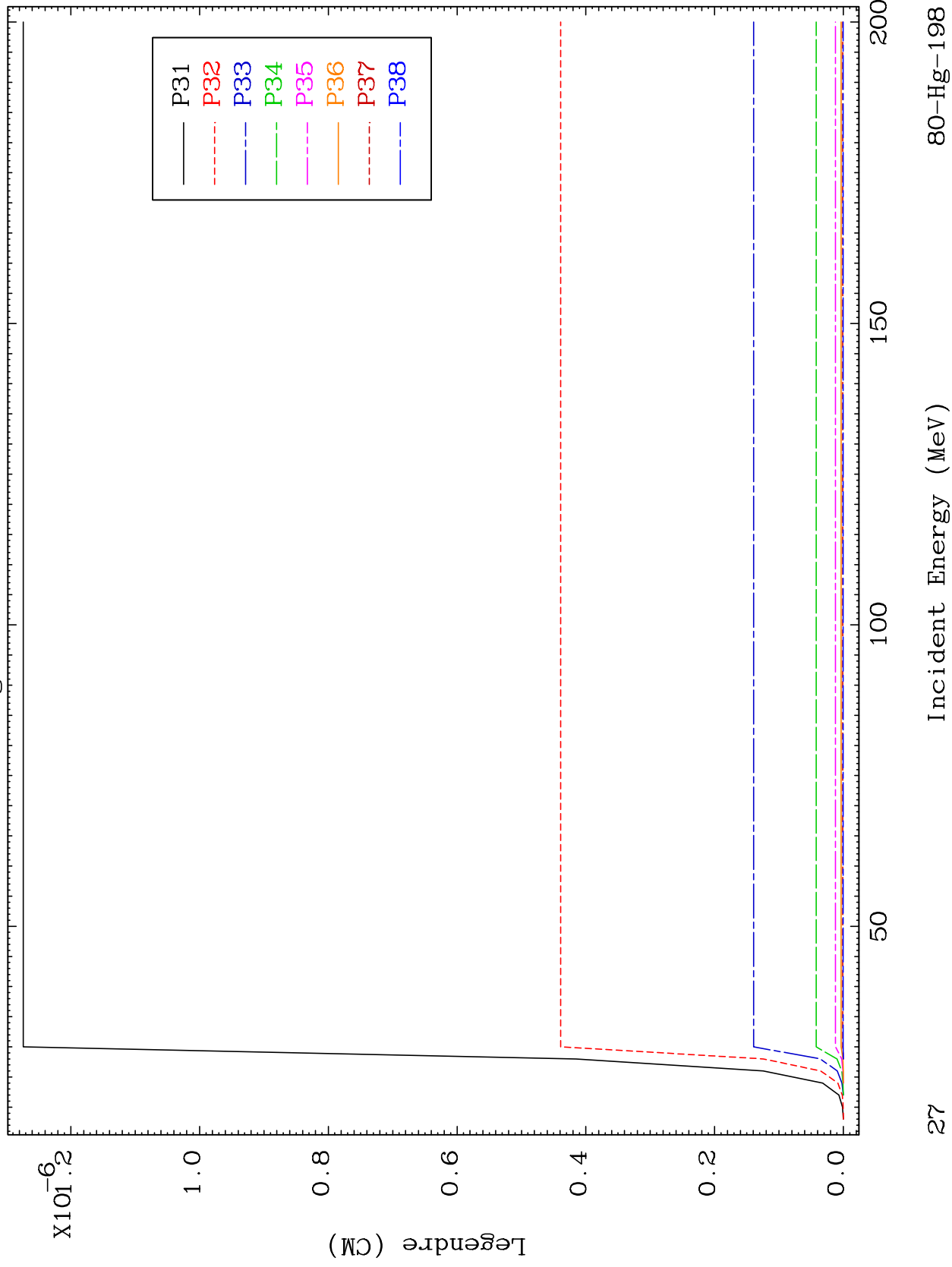
80-Hg-198



MAT 8031

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

80-Hg-198

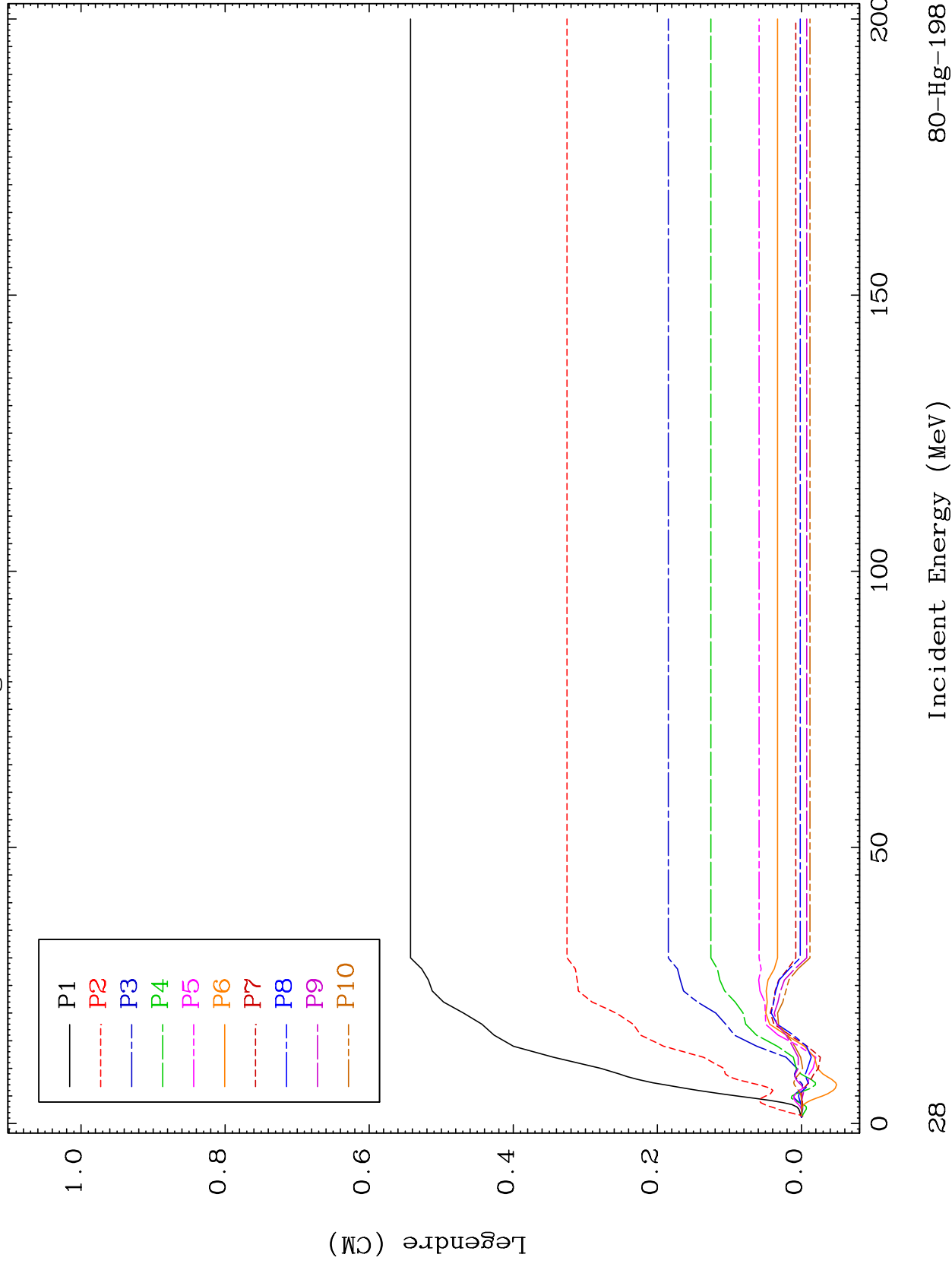


27

MAT 8031

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

80-Hg-198



28

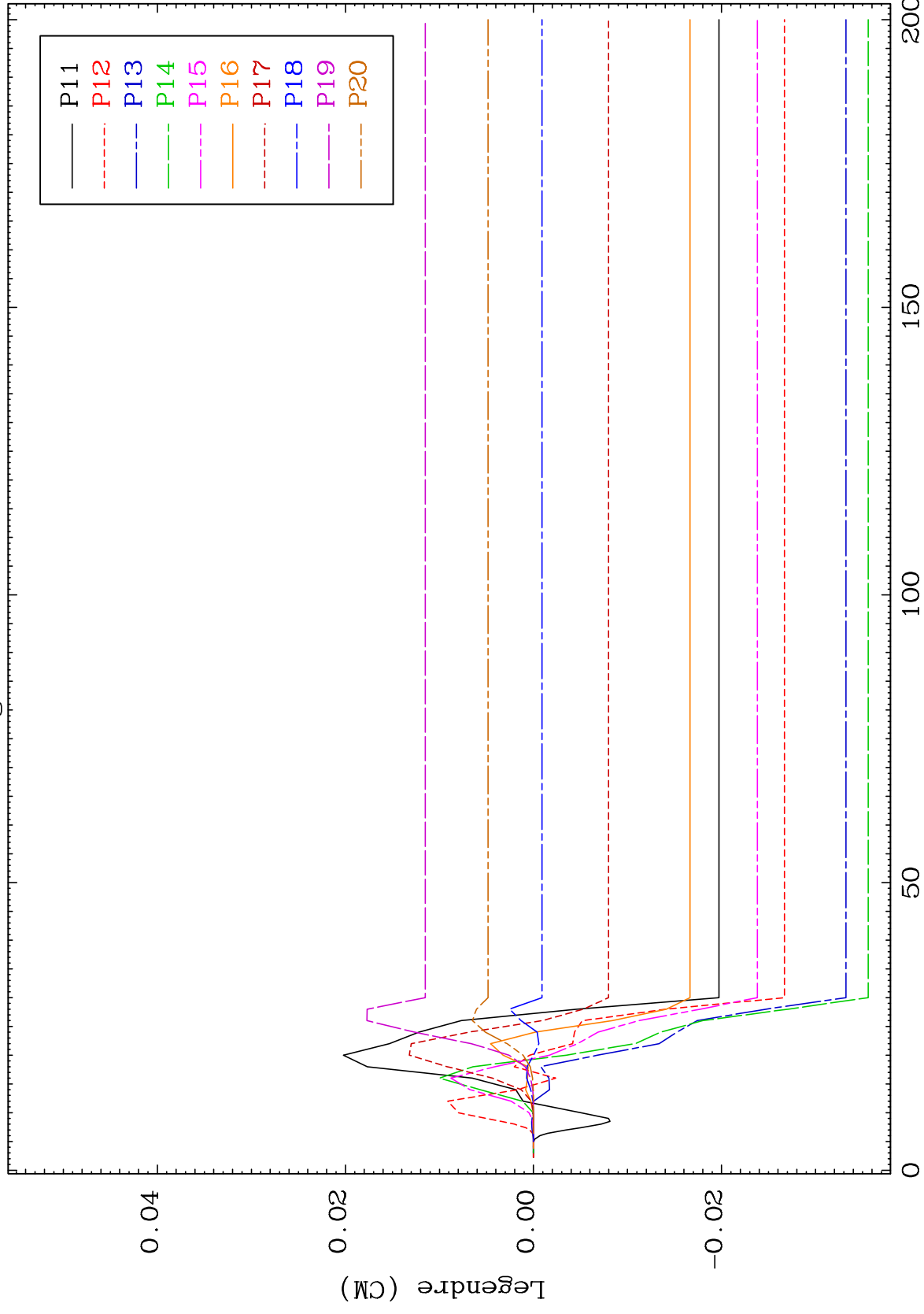
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



29

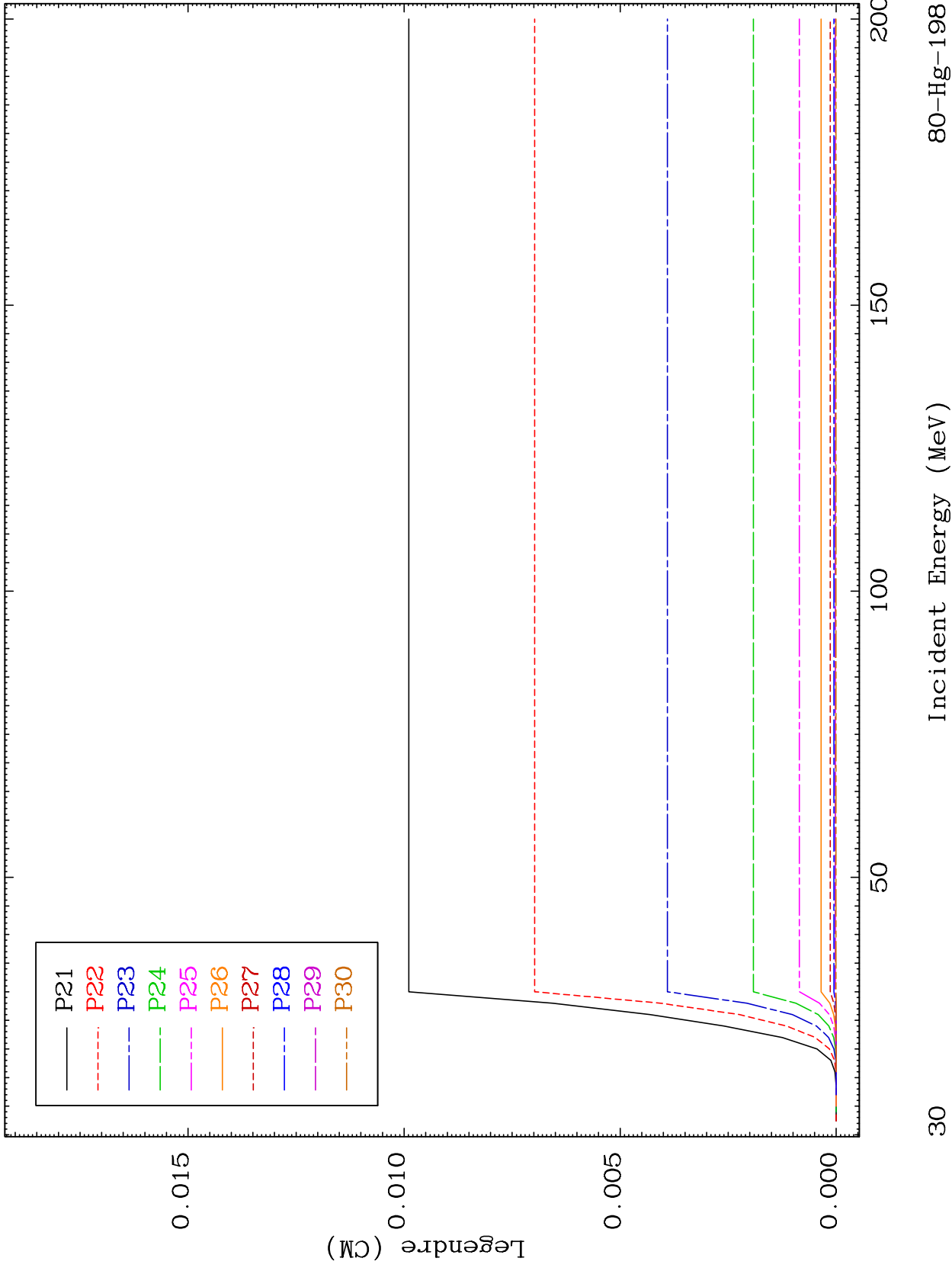
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



30

Incident Energy (MeV)

50

100

150

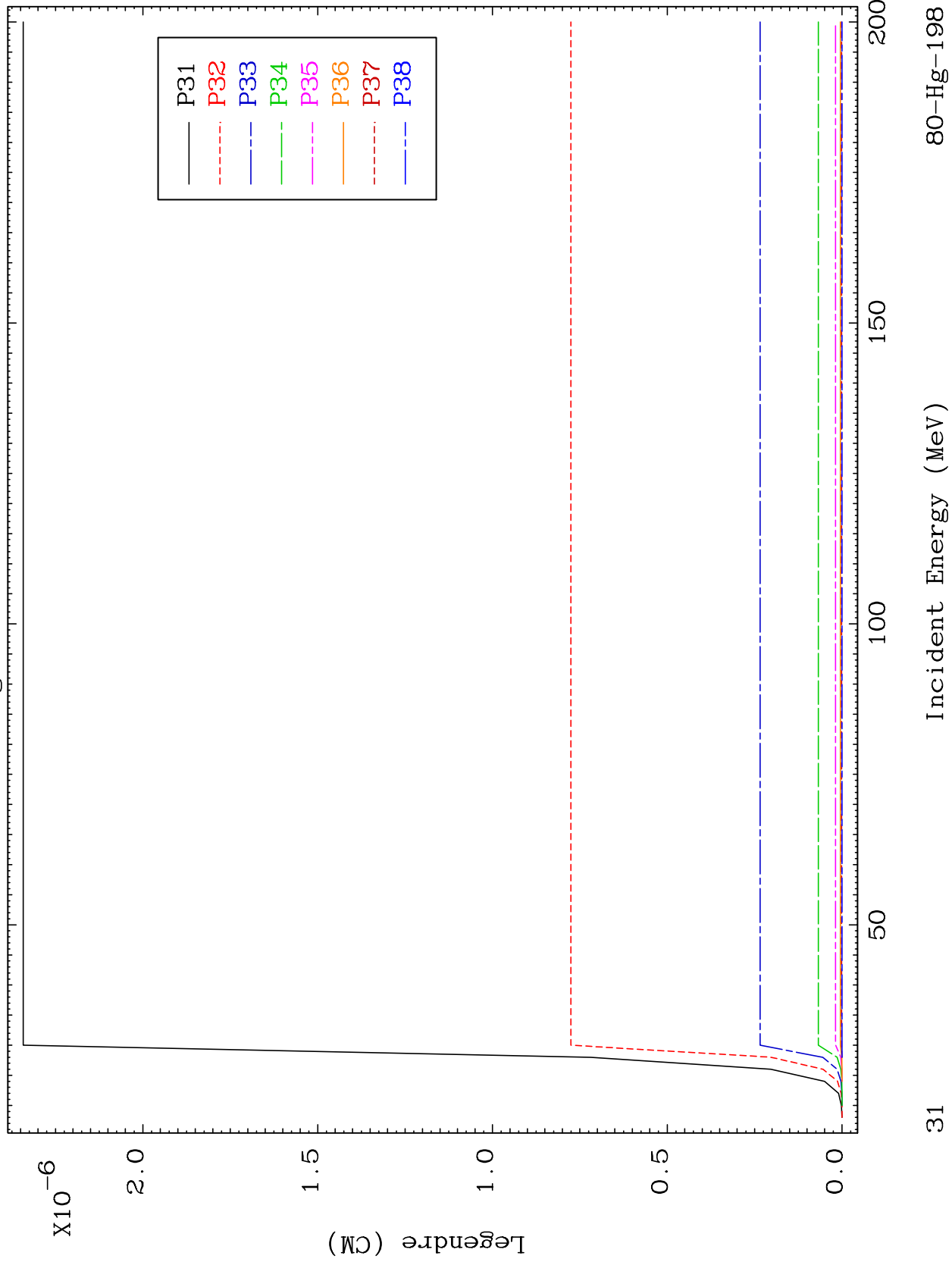
200

80-Hg-198

MAT 8031

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

80-Hg-198



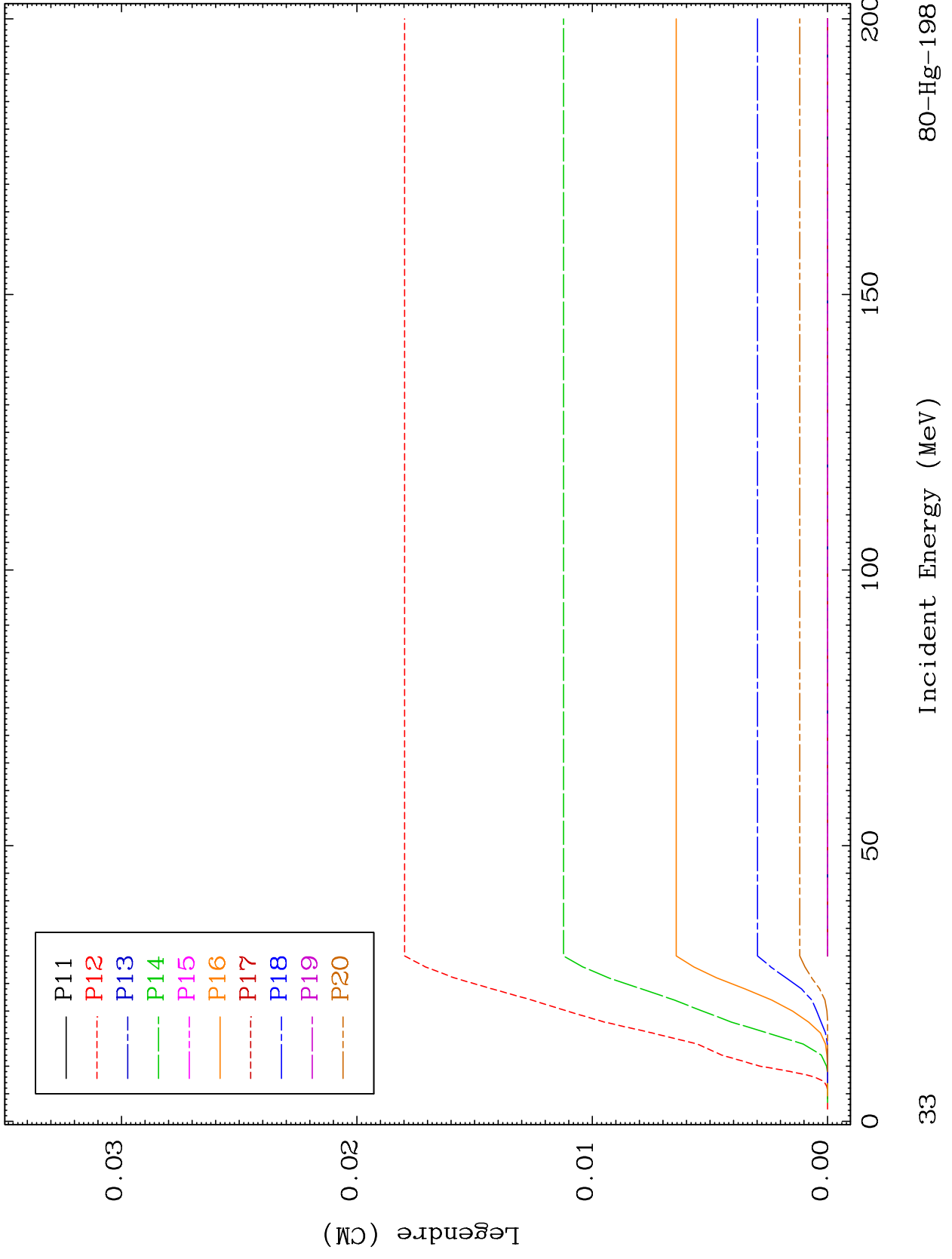




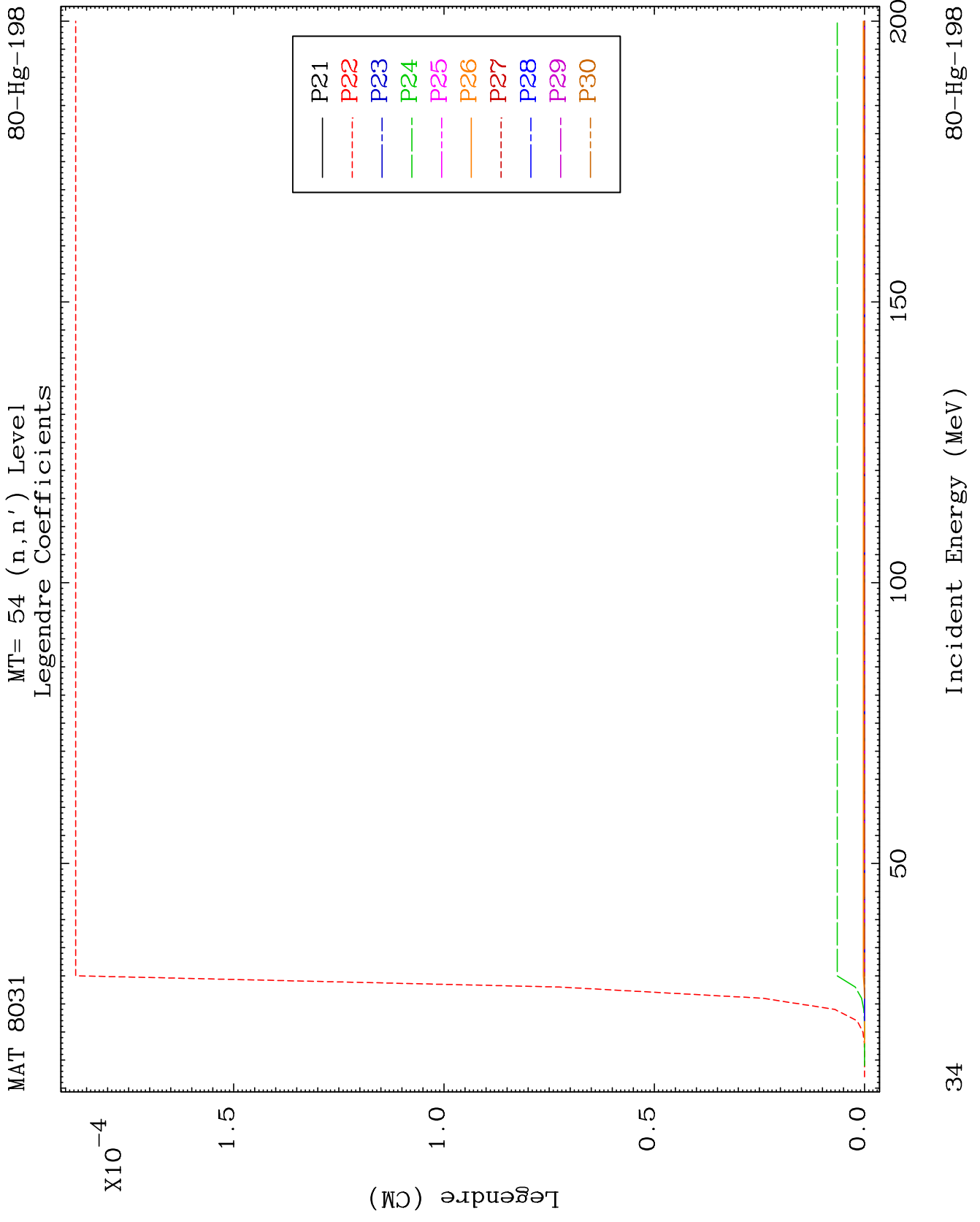
MAT 8031

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

80-Hg-198



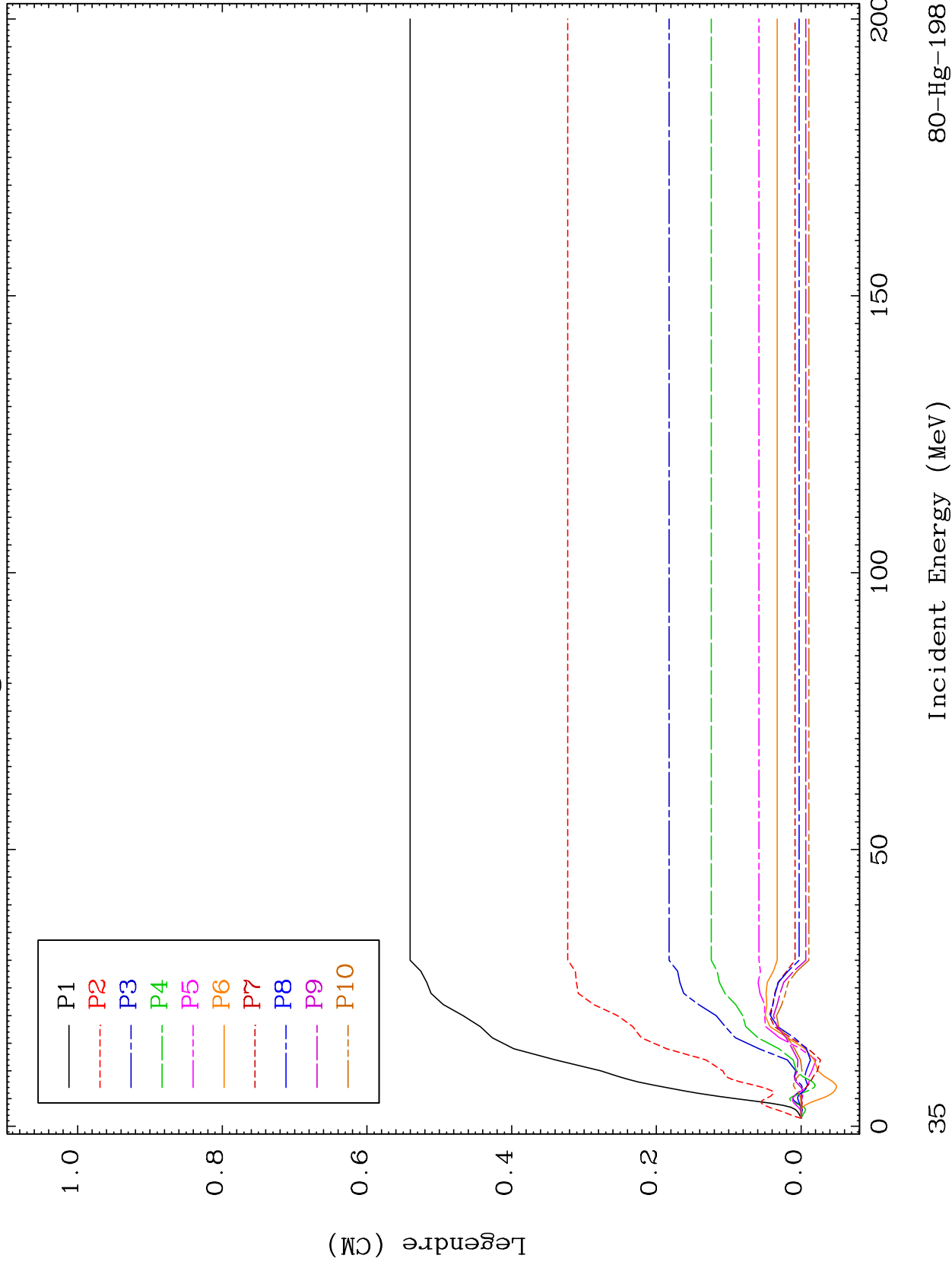
33



MAT 8031

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

80-Hg-198

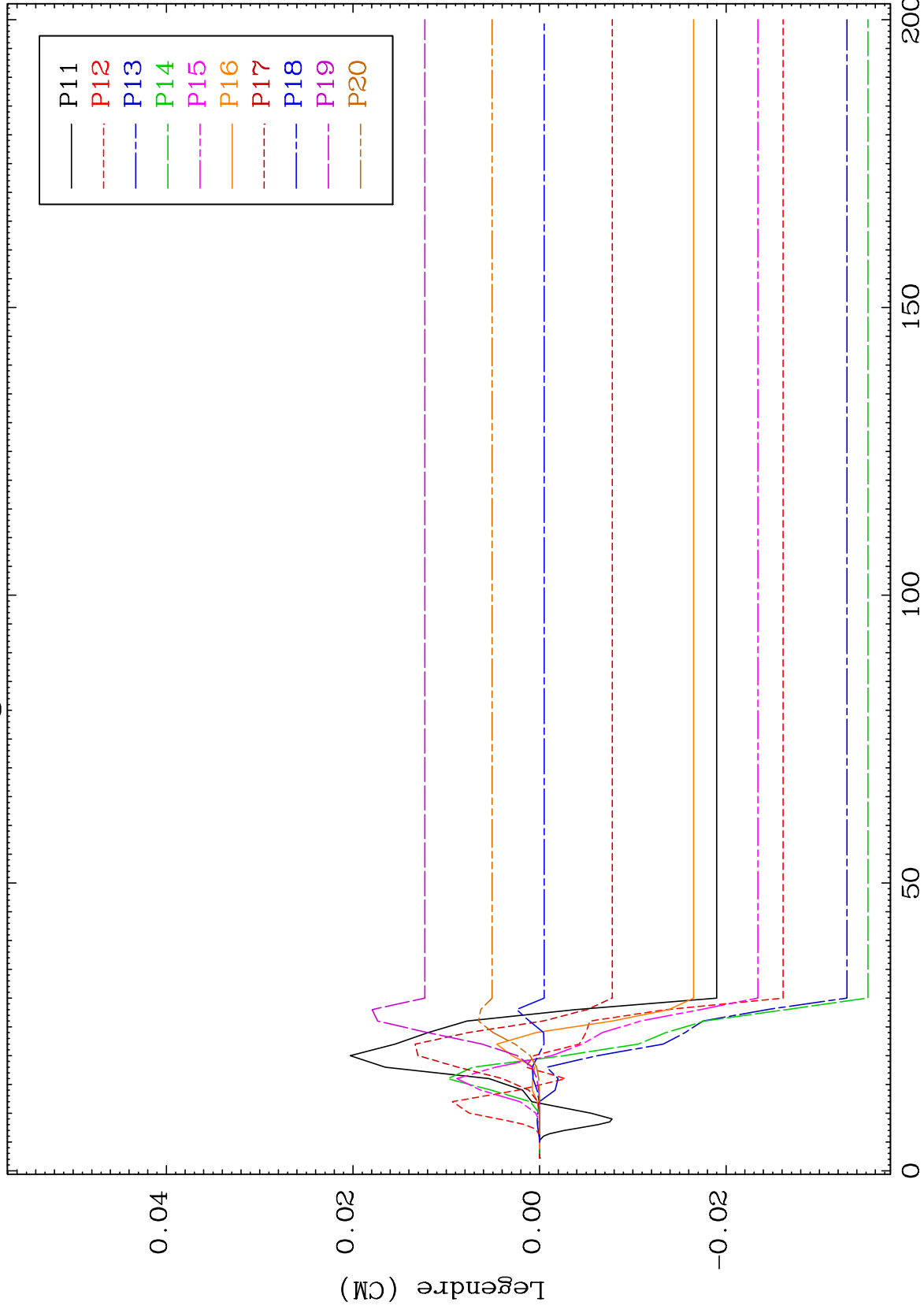


35

MAT 8031

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

80-Hg-198



36

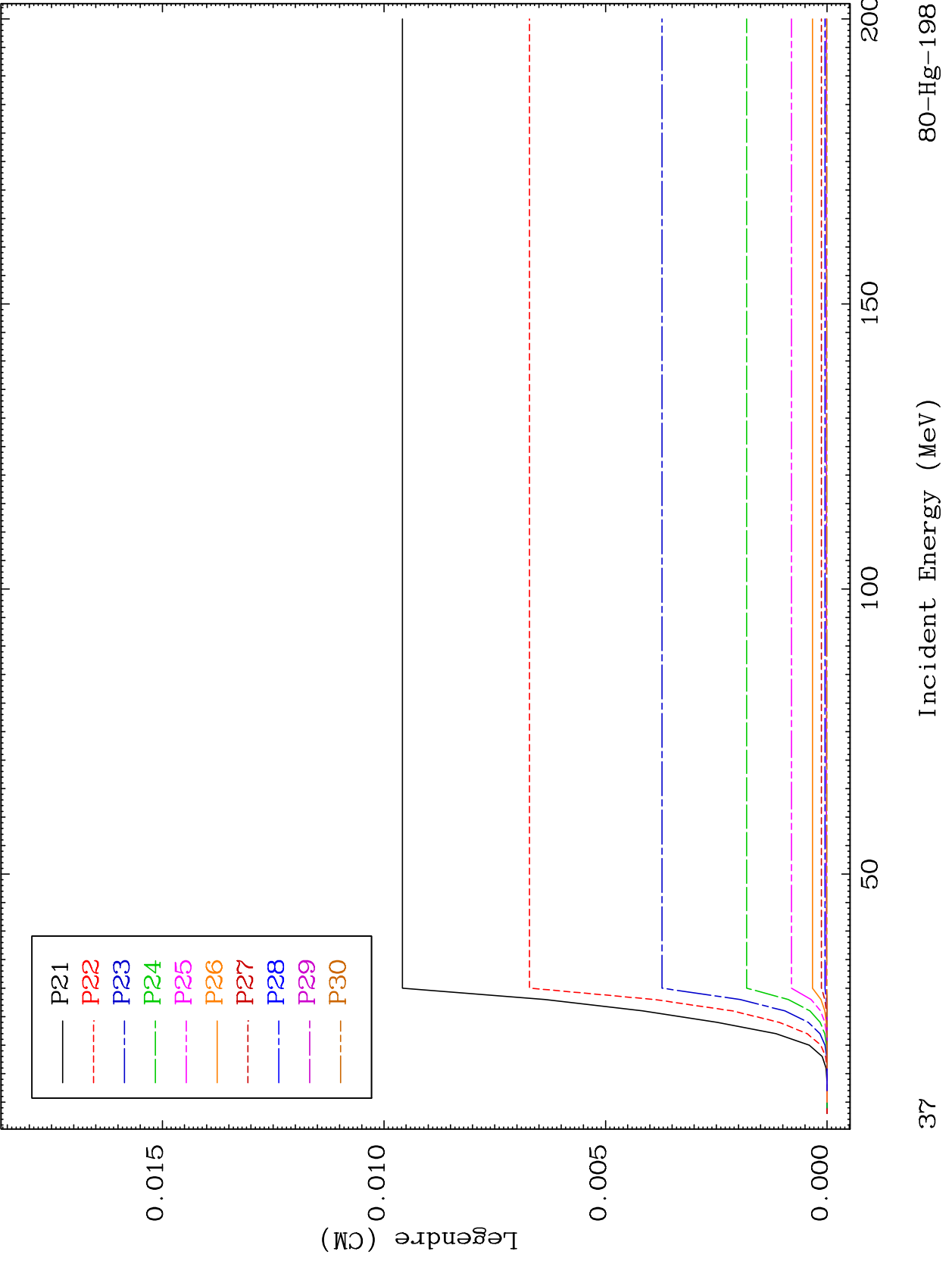
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198

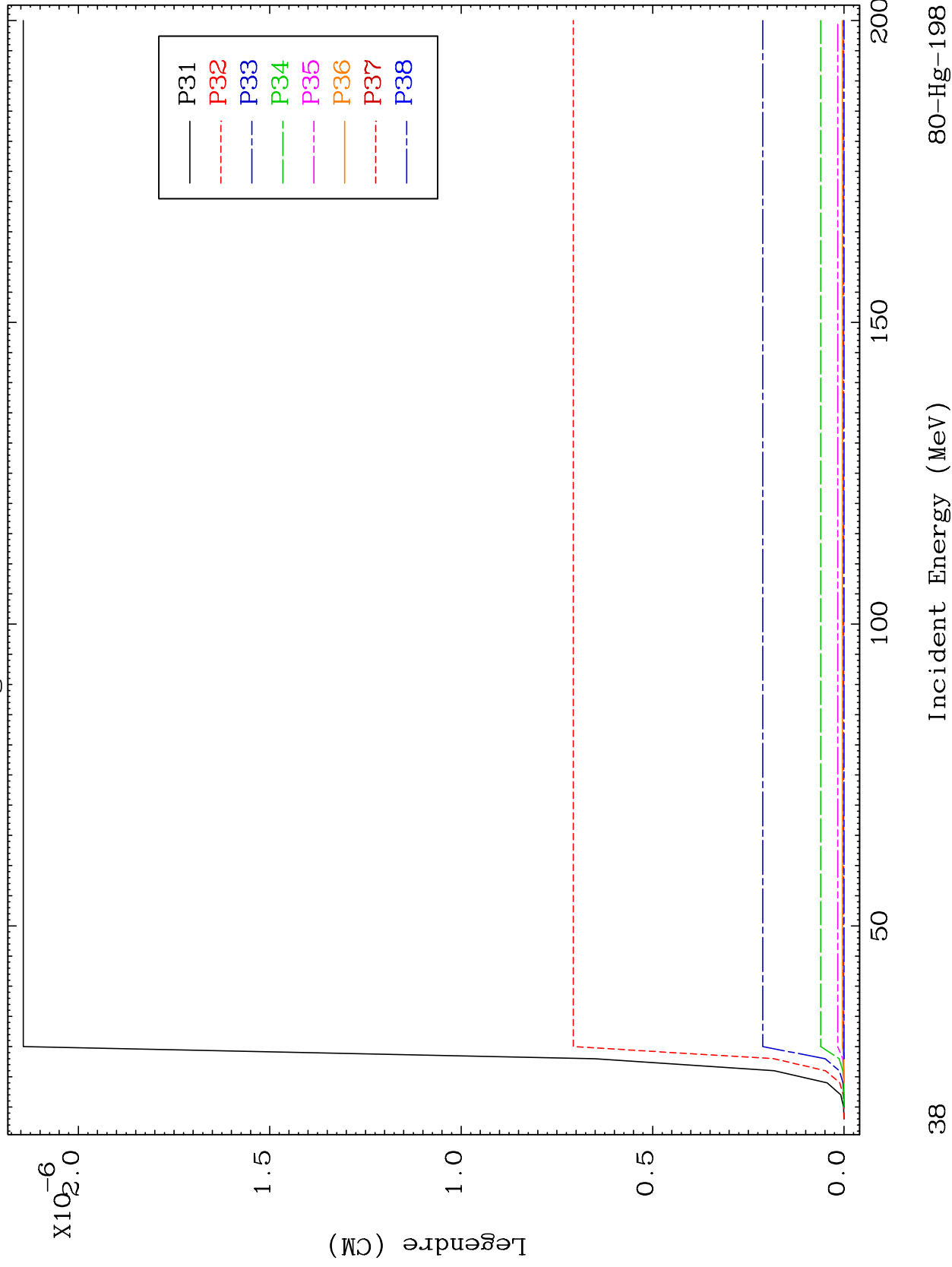


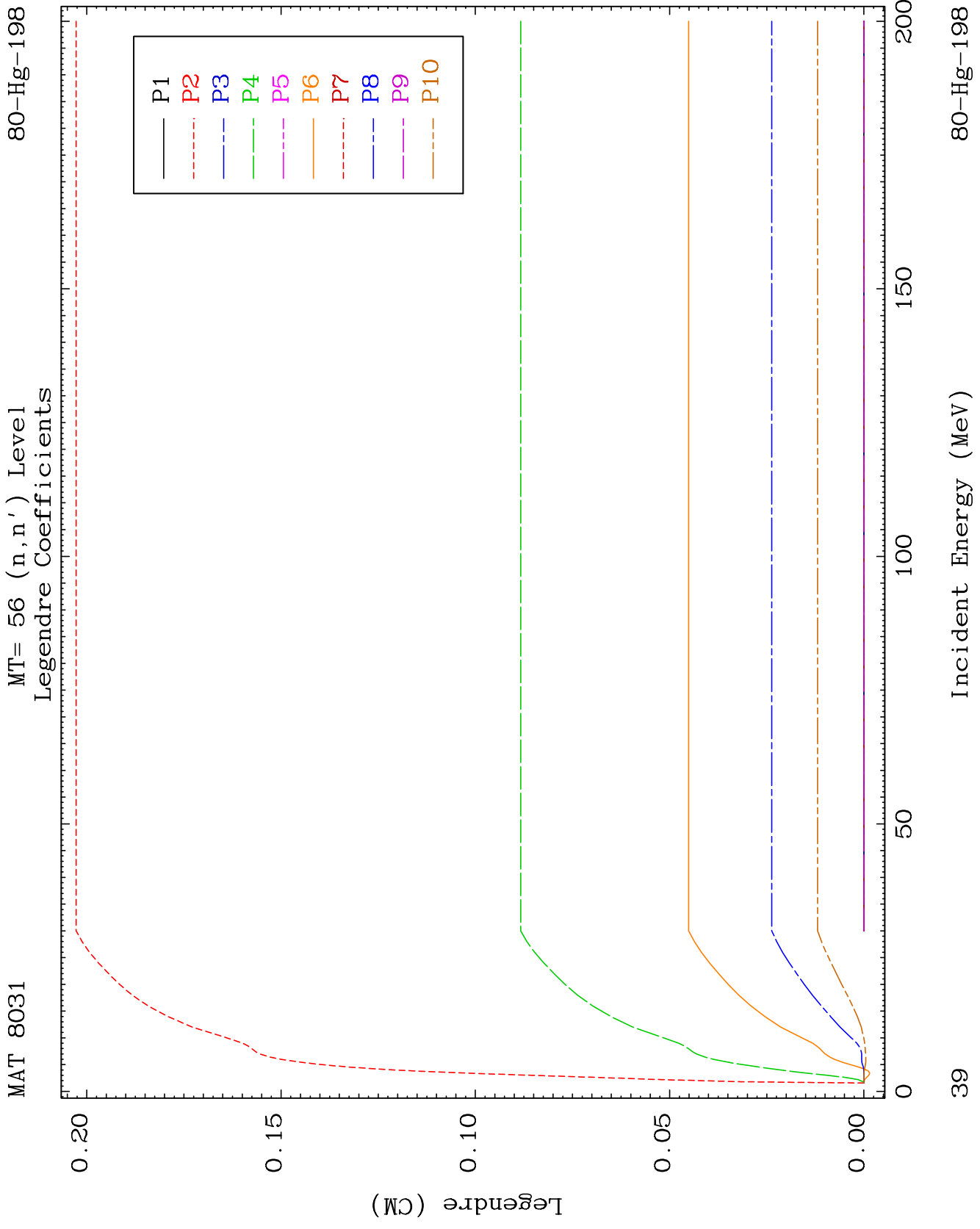
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MAT 8031

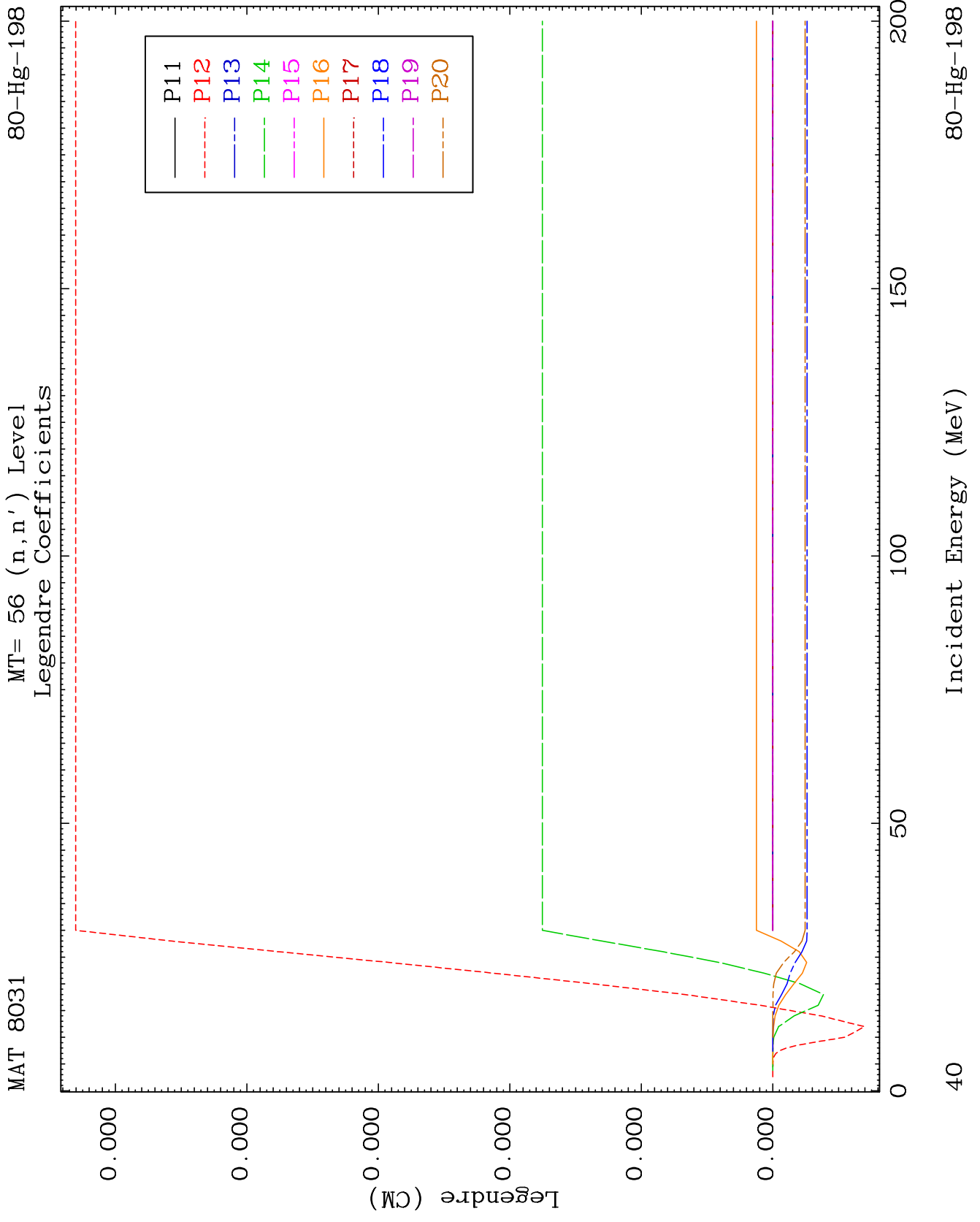
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Legendre Coefficients

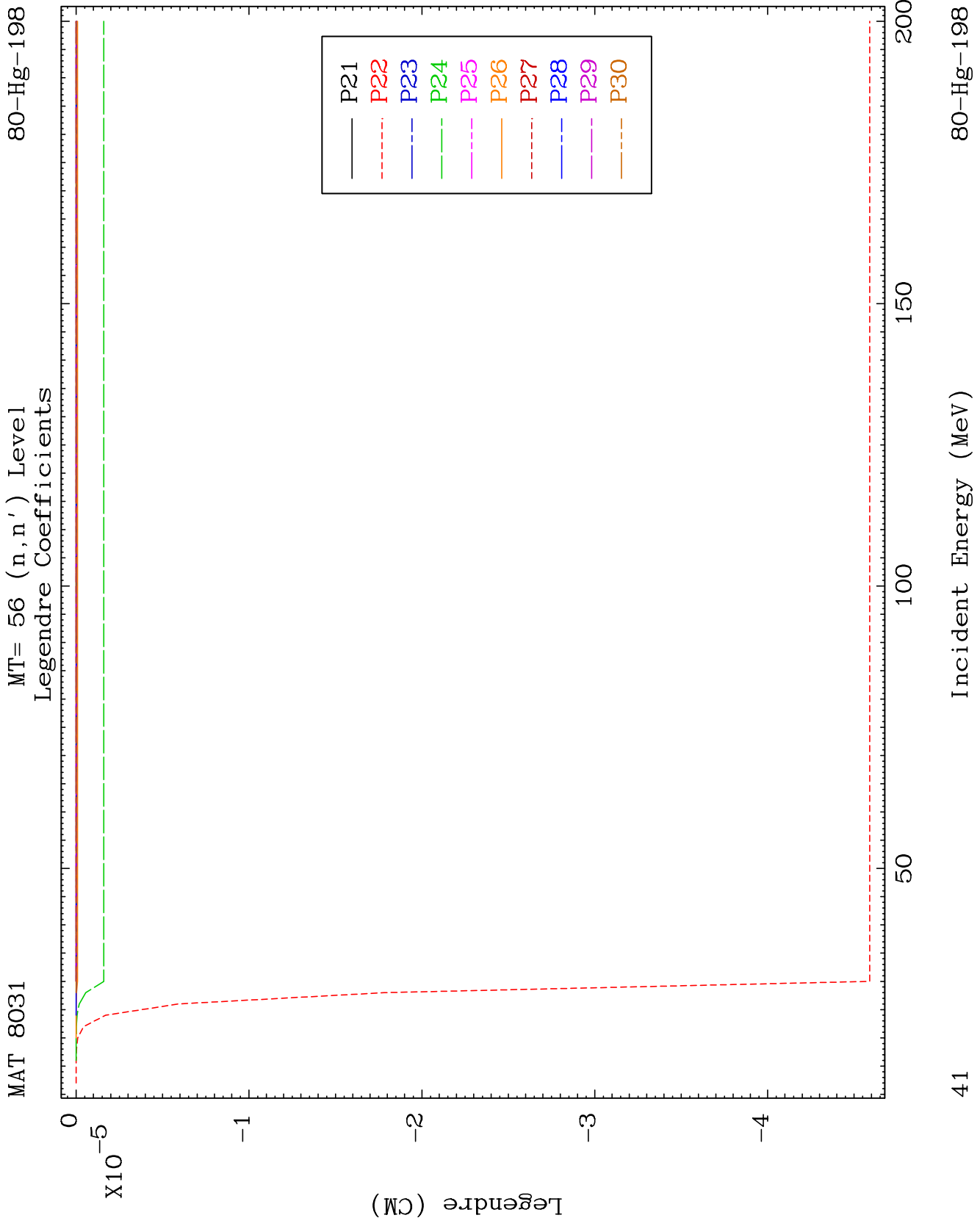
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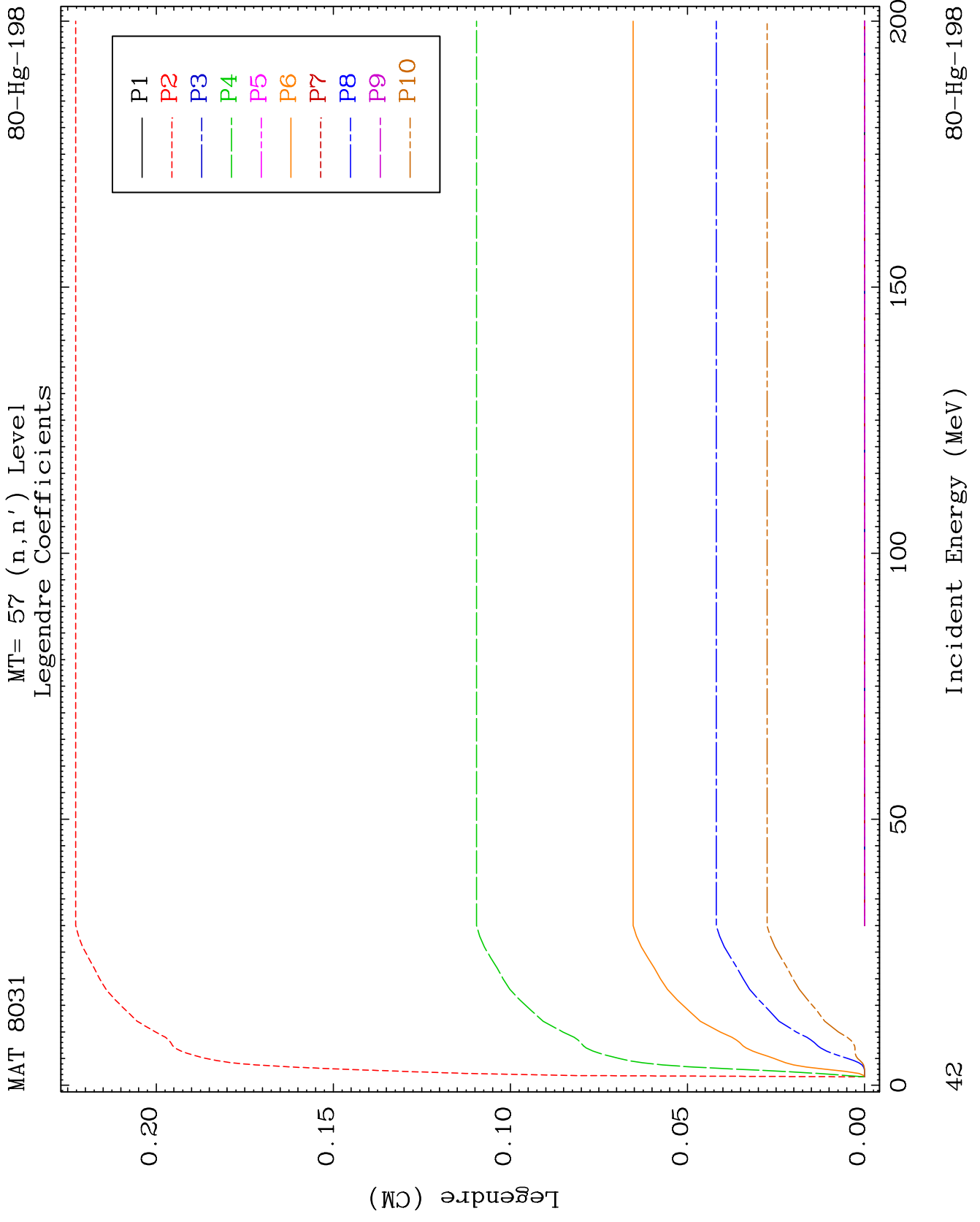








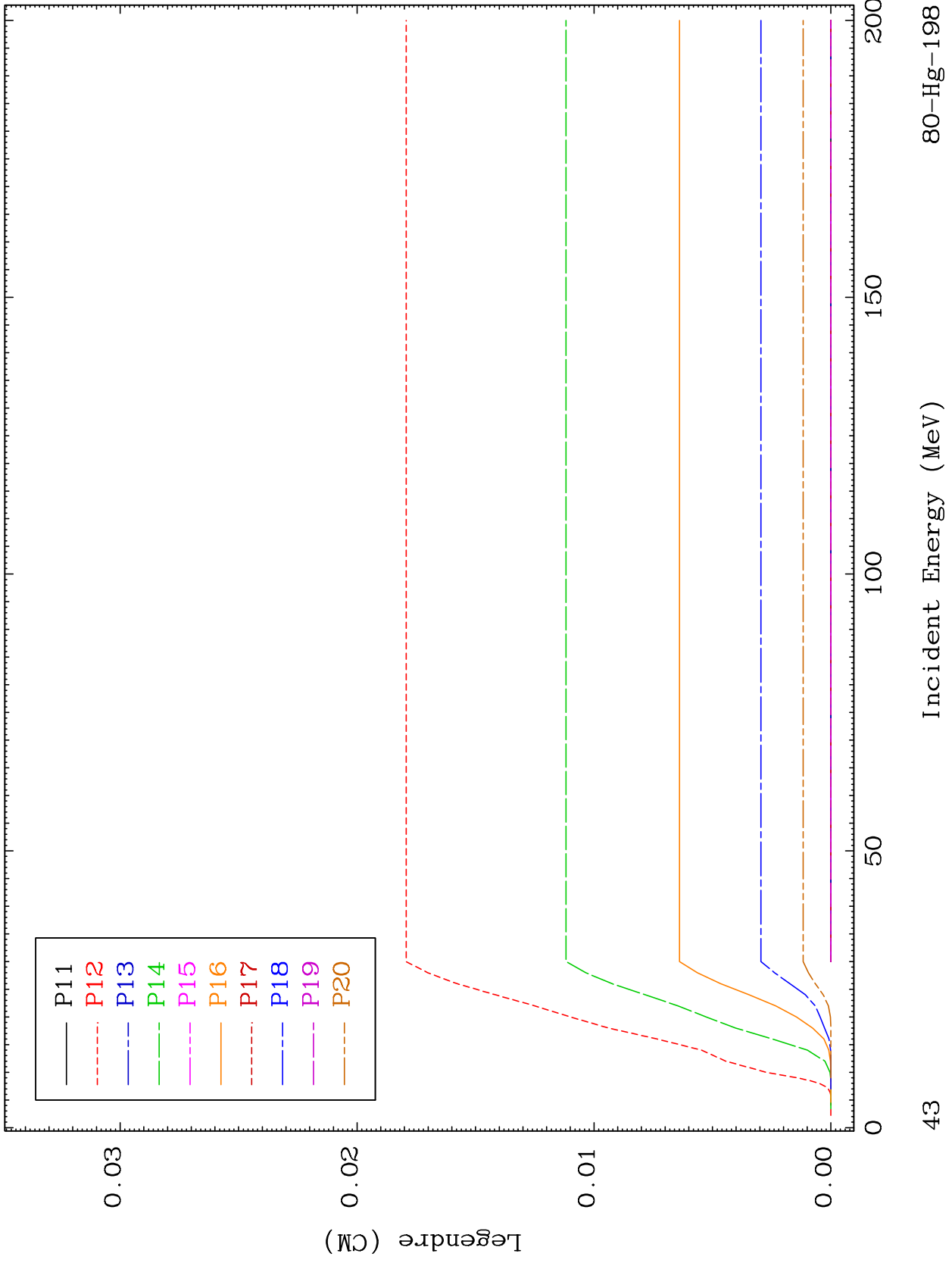




MAT 8031

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

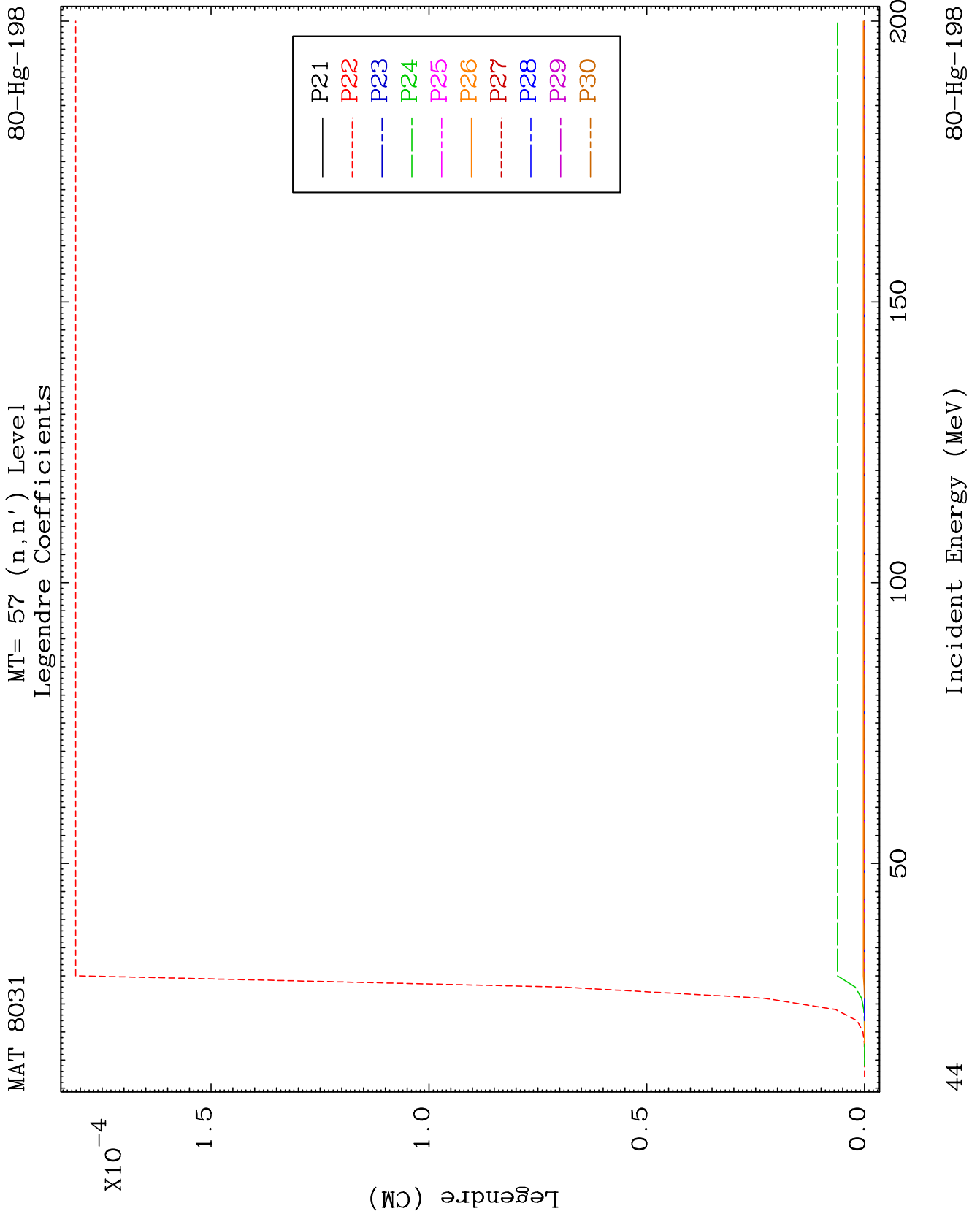
80-Hg-198



43

Incident Energy (MeV)

80-Hg-198

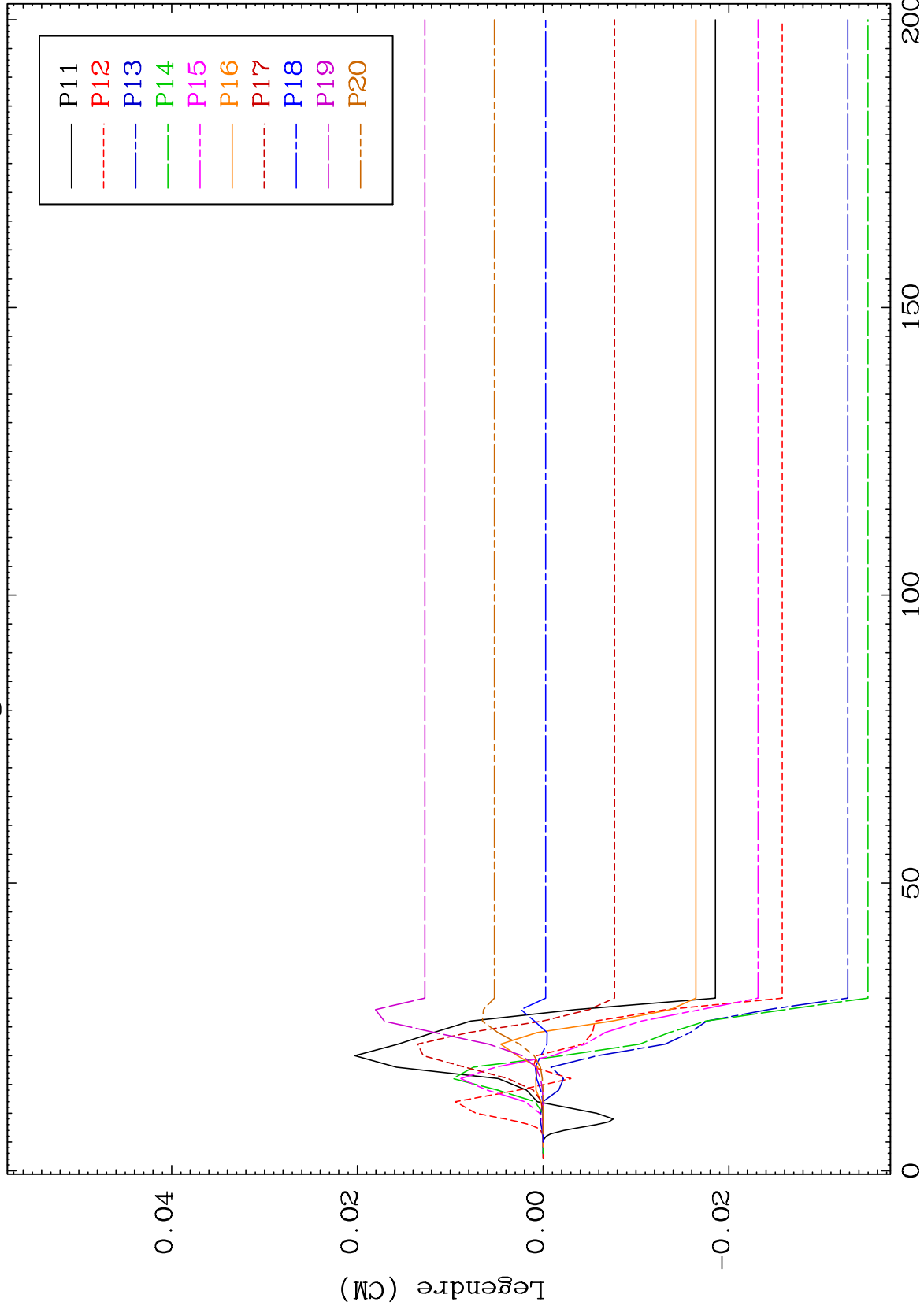




MAT 8031

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

80-Hg-198



46

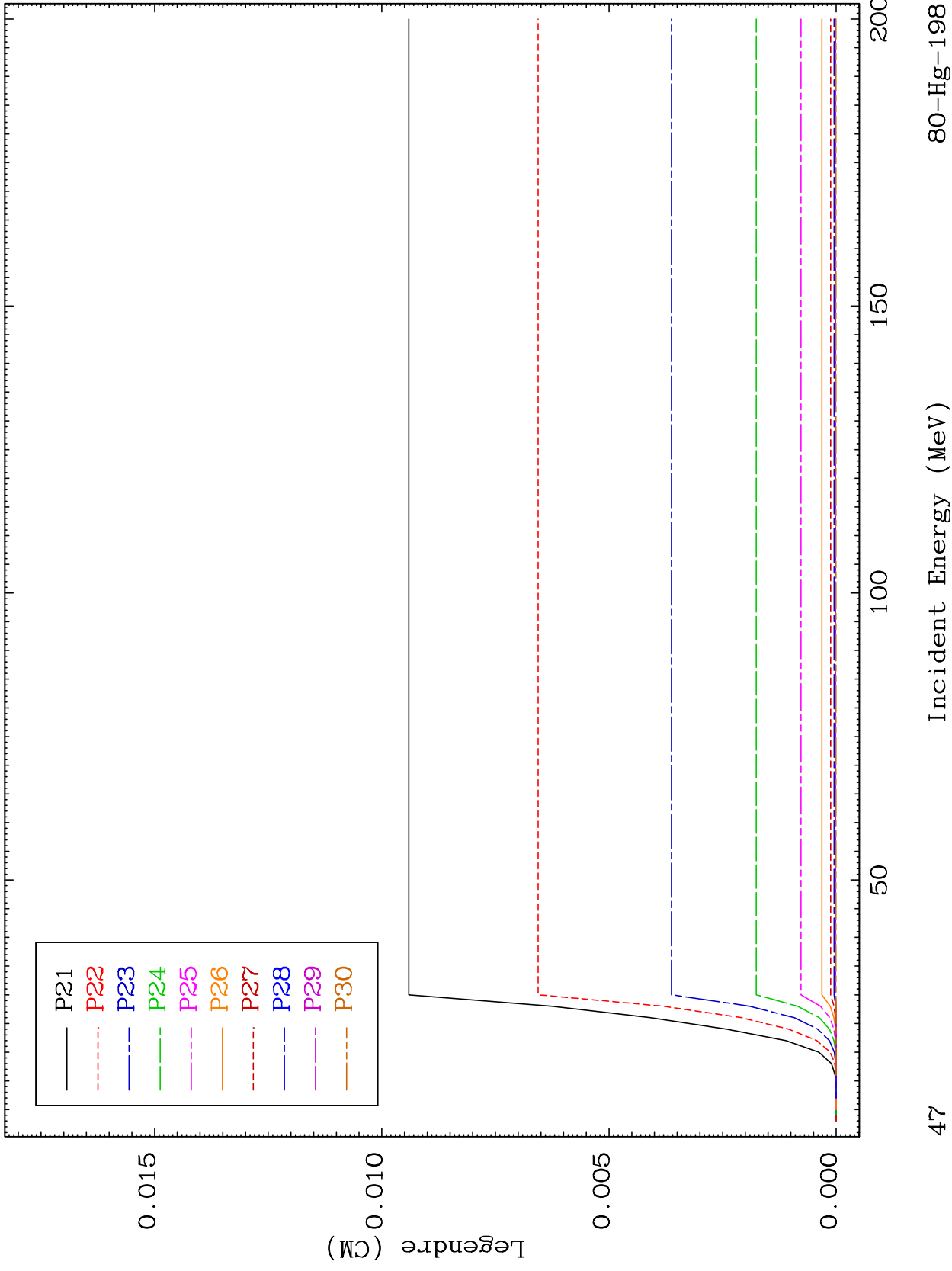
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



47

Incident Energy (MeV)

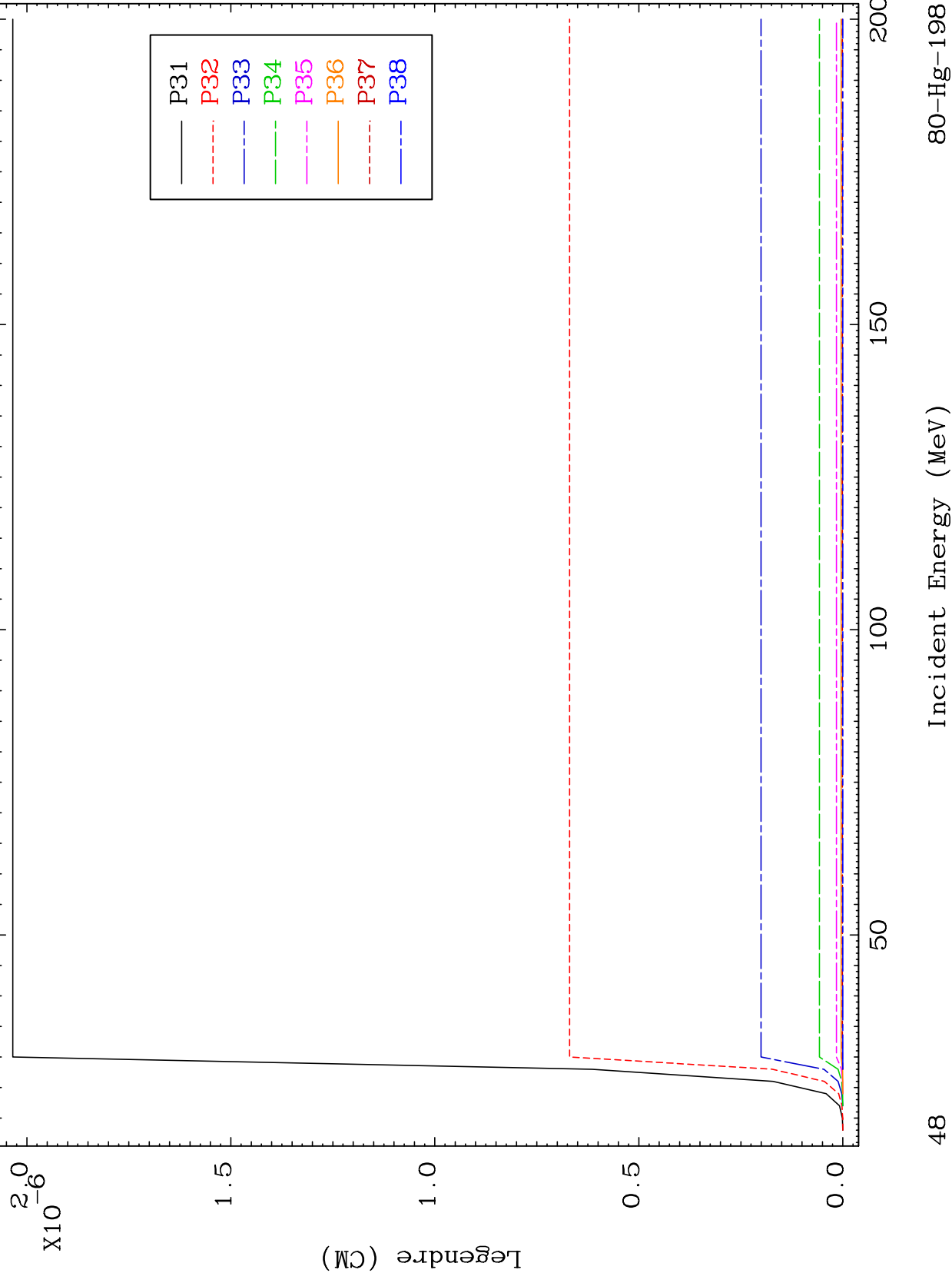
80-Hg-198



MAT 8031

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

80-Hg-198



48

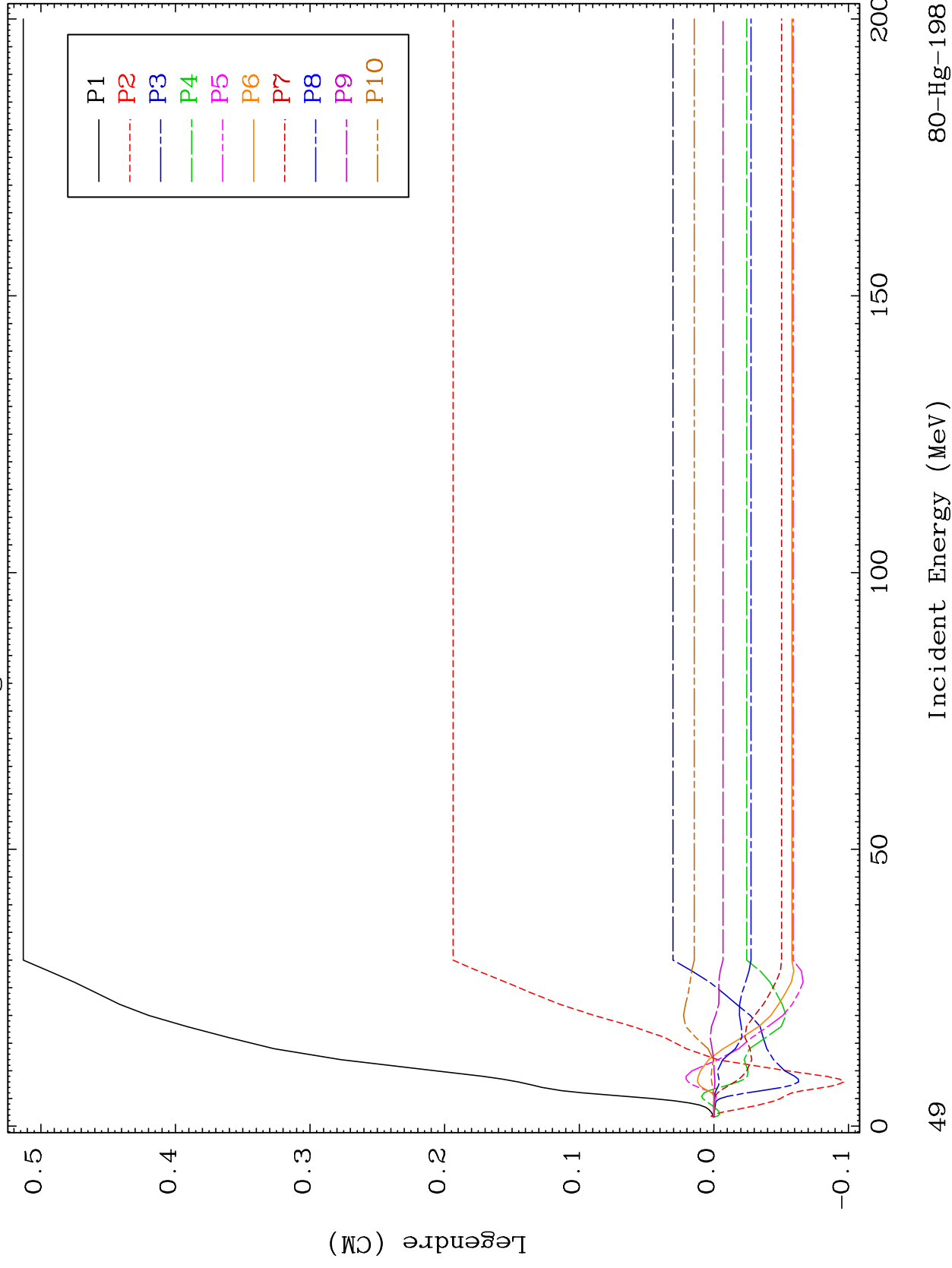
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



80-Hg-198

Incident Energy (MeV)

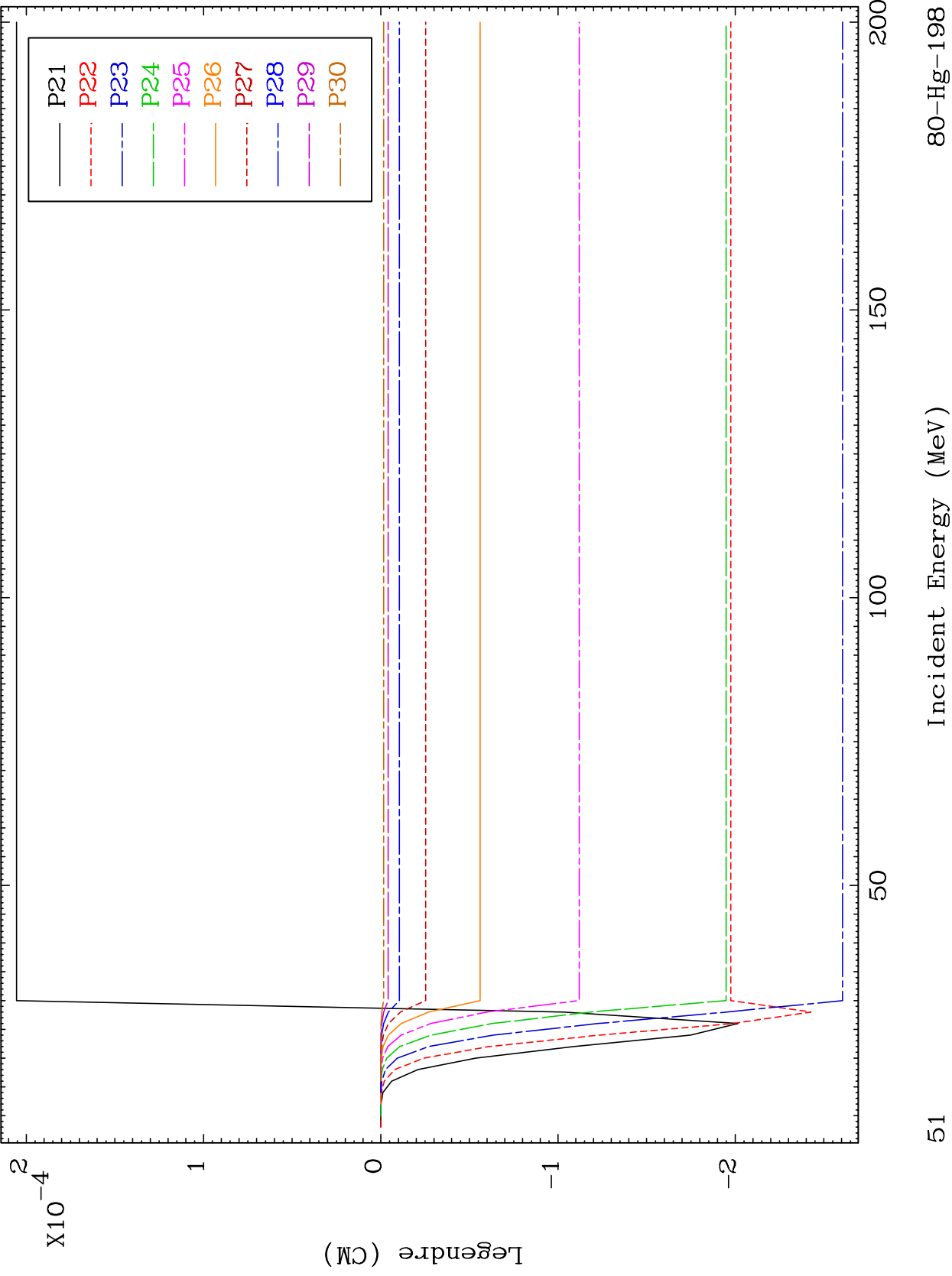
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MAT 8031

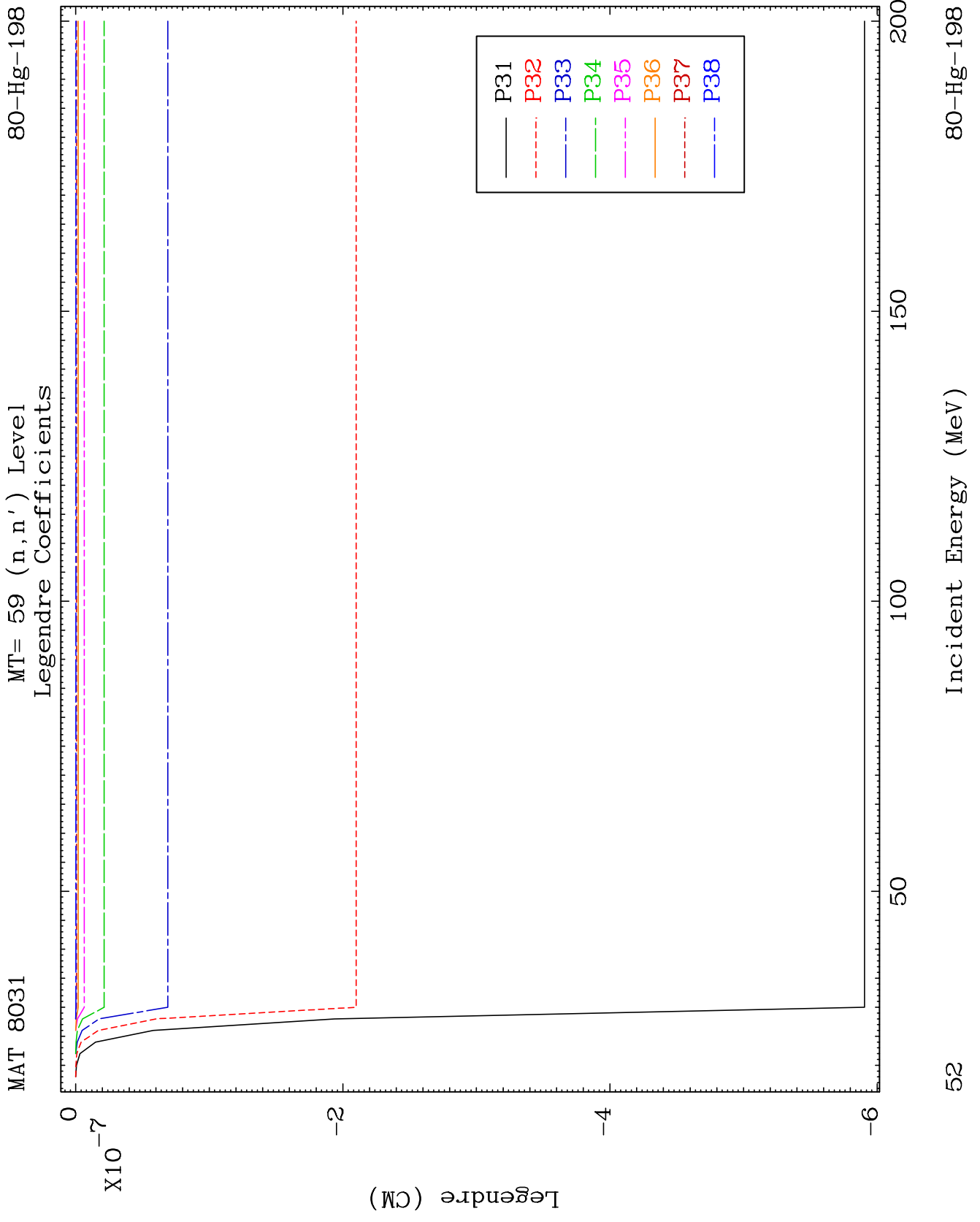
MT= 59 (n,n') Level  
Legendre Coefficients

80-Hg-198



51

80-Hg-198

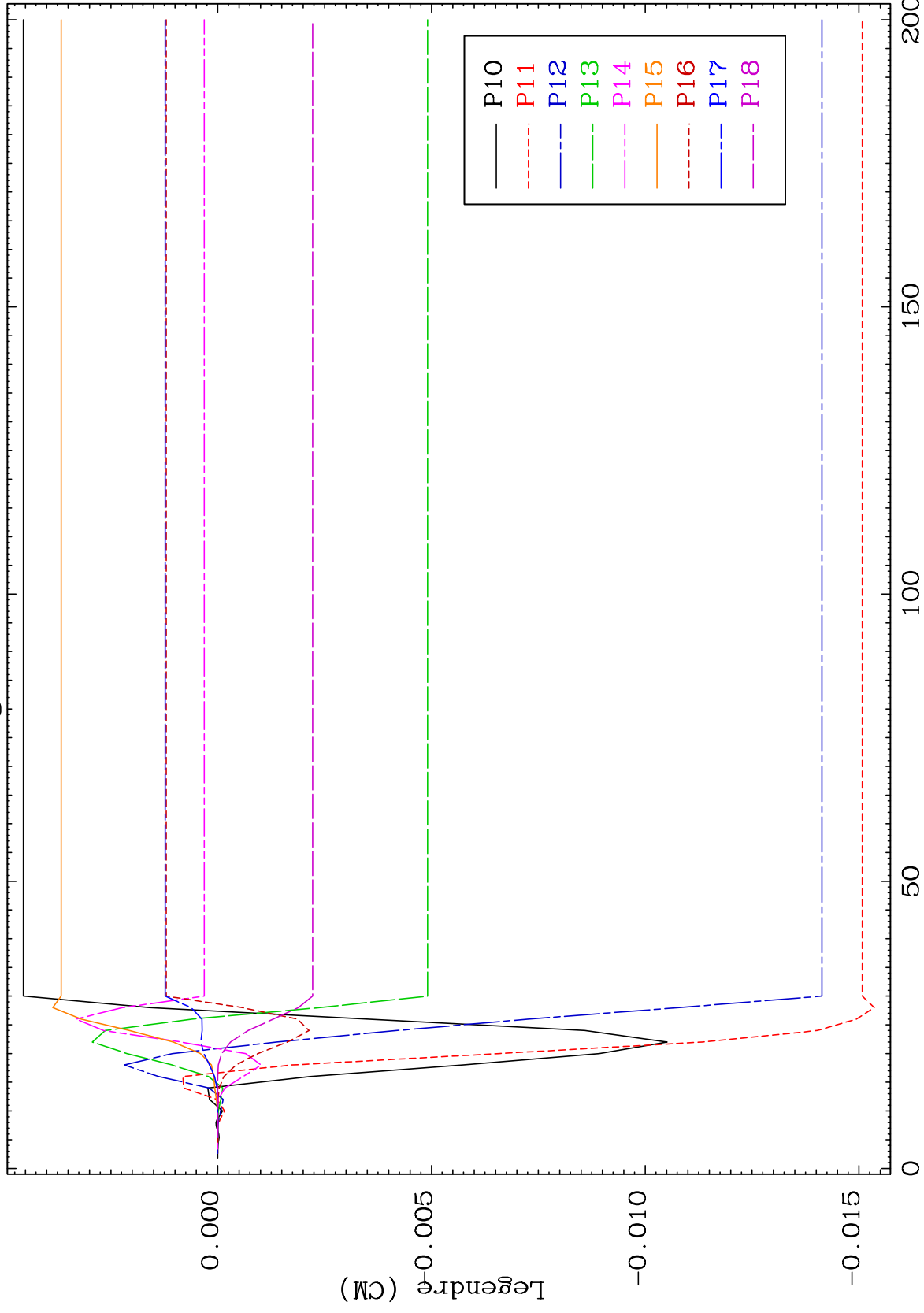




MAT 8031

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

80-Hg-198



54

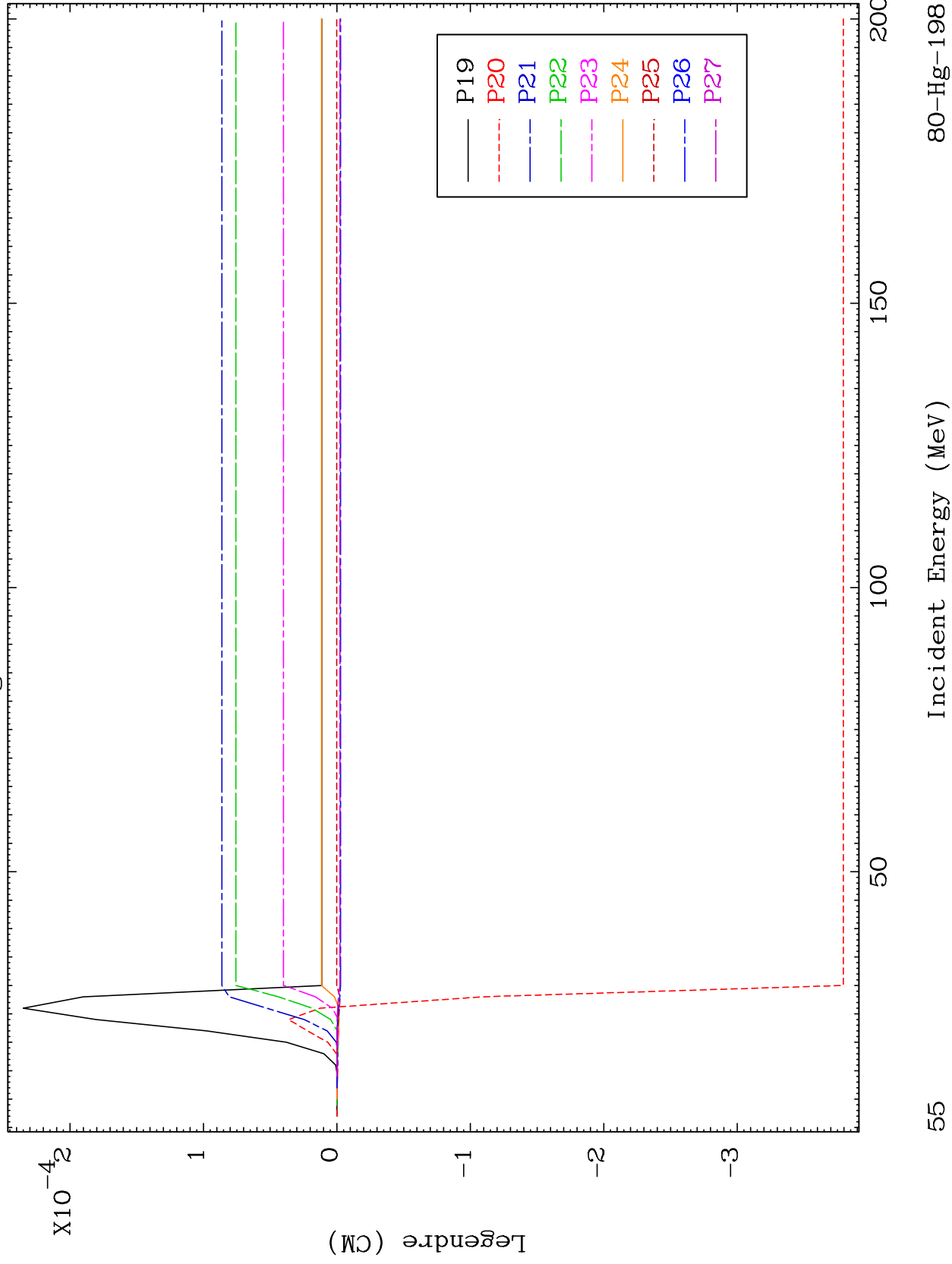
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198

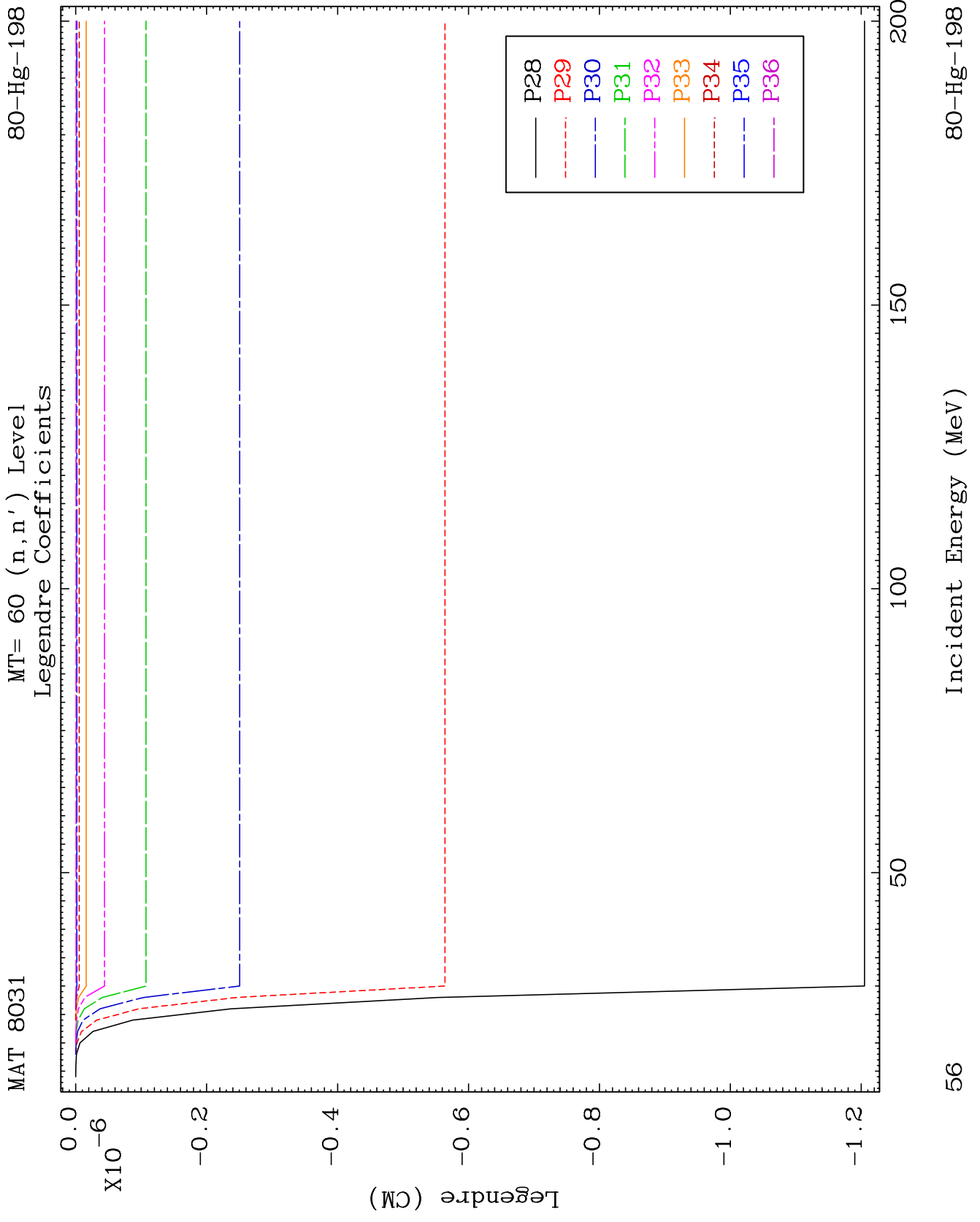


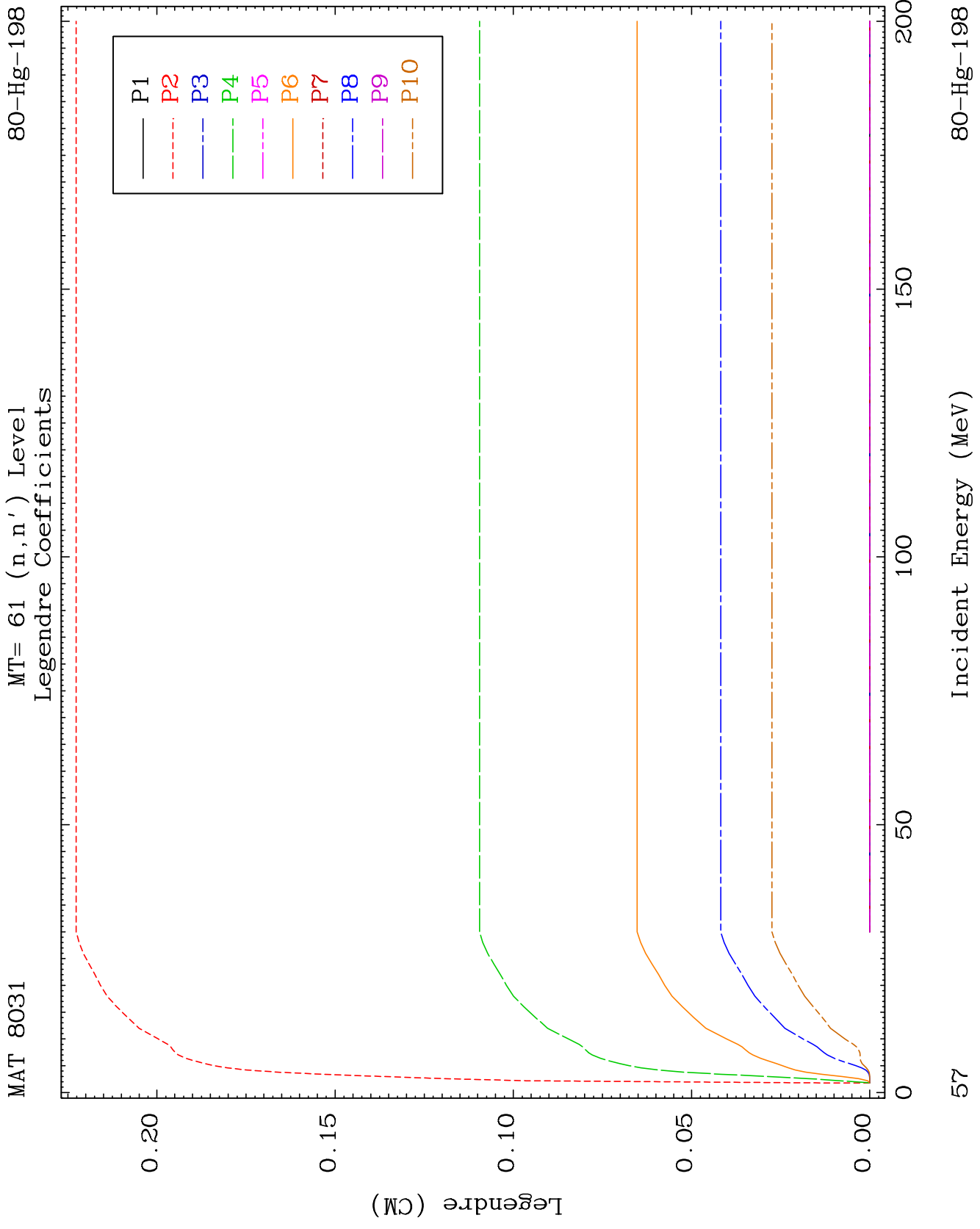
55

Incident Energy (MeV)

80-Hg-198



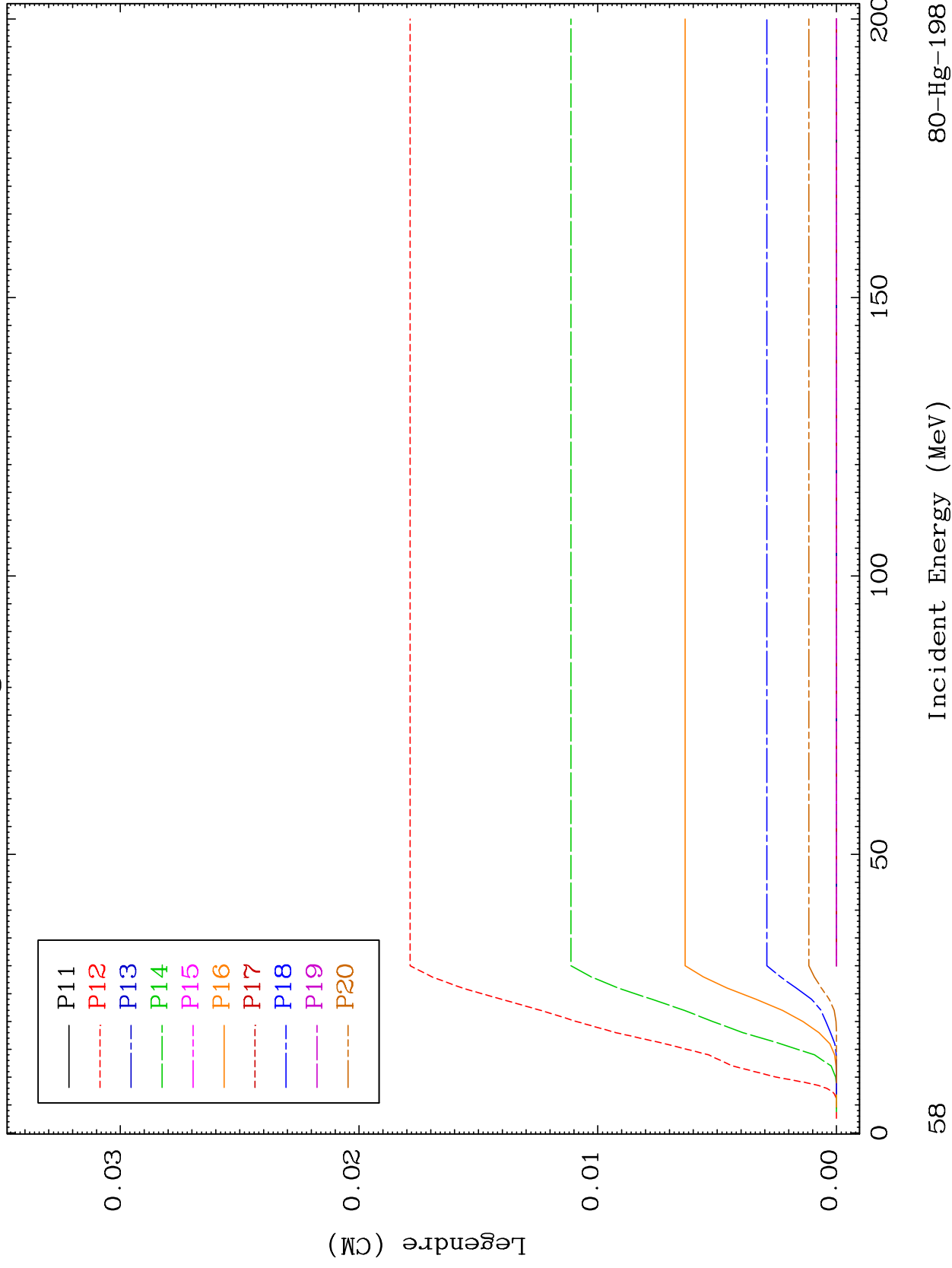




MAT 8031

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

80-Hg-198



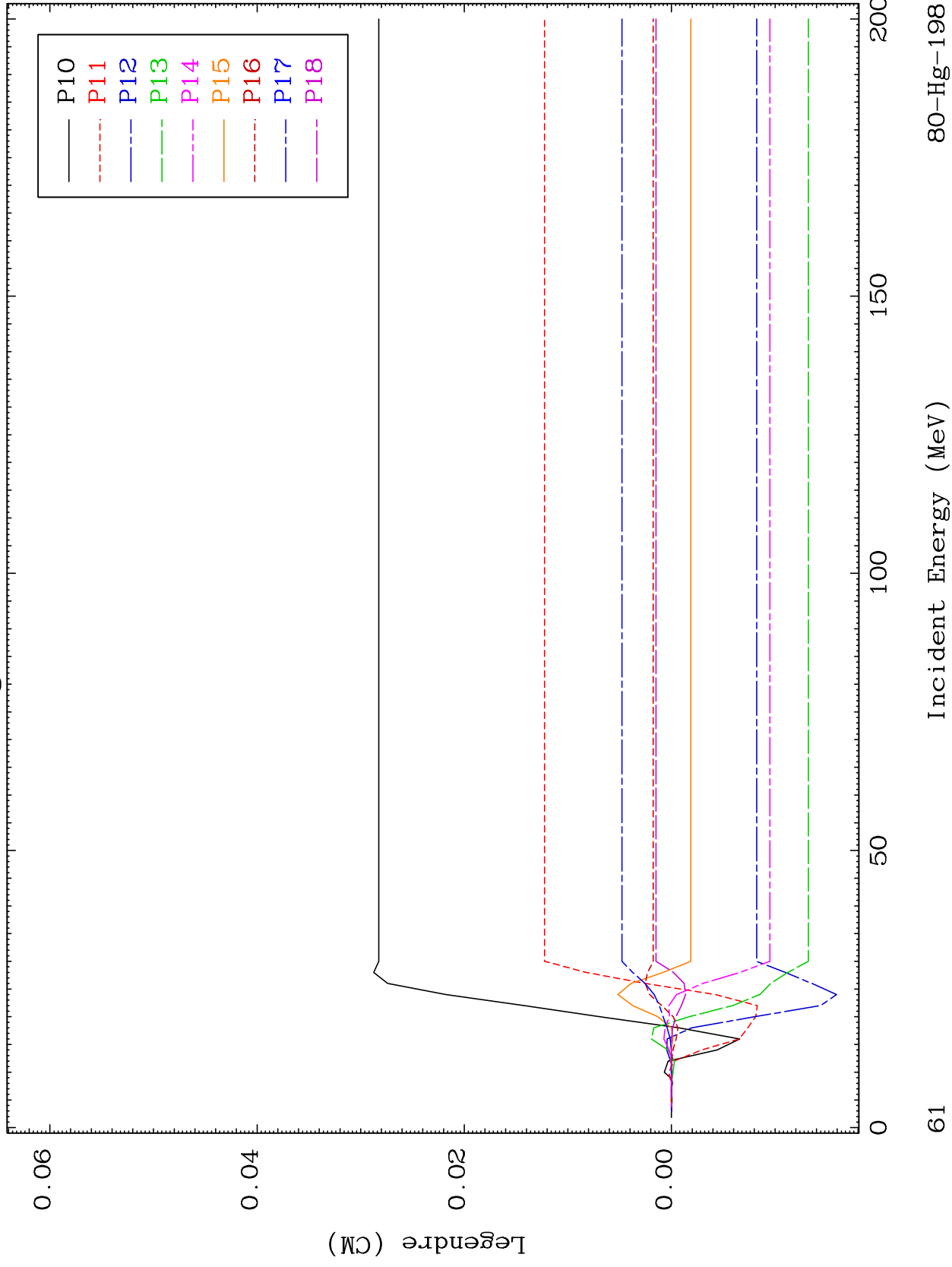




MAT 8031

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

80-Hg-198



61

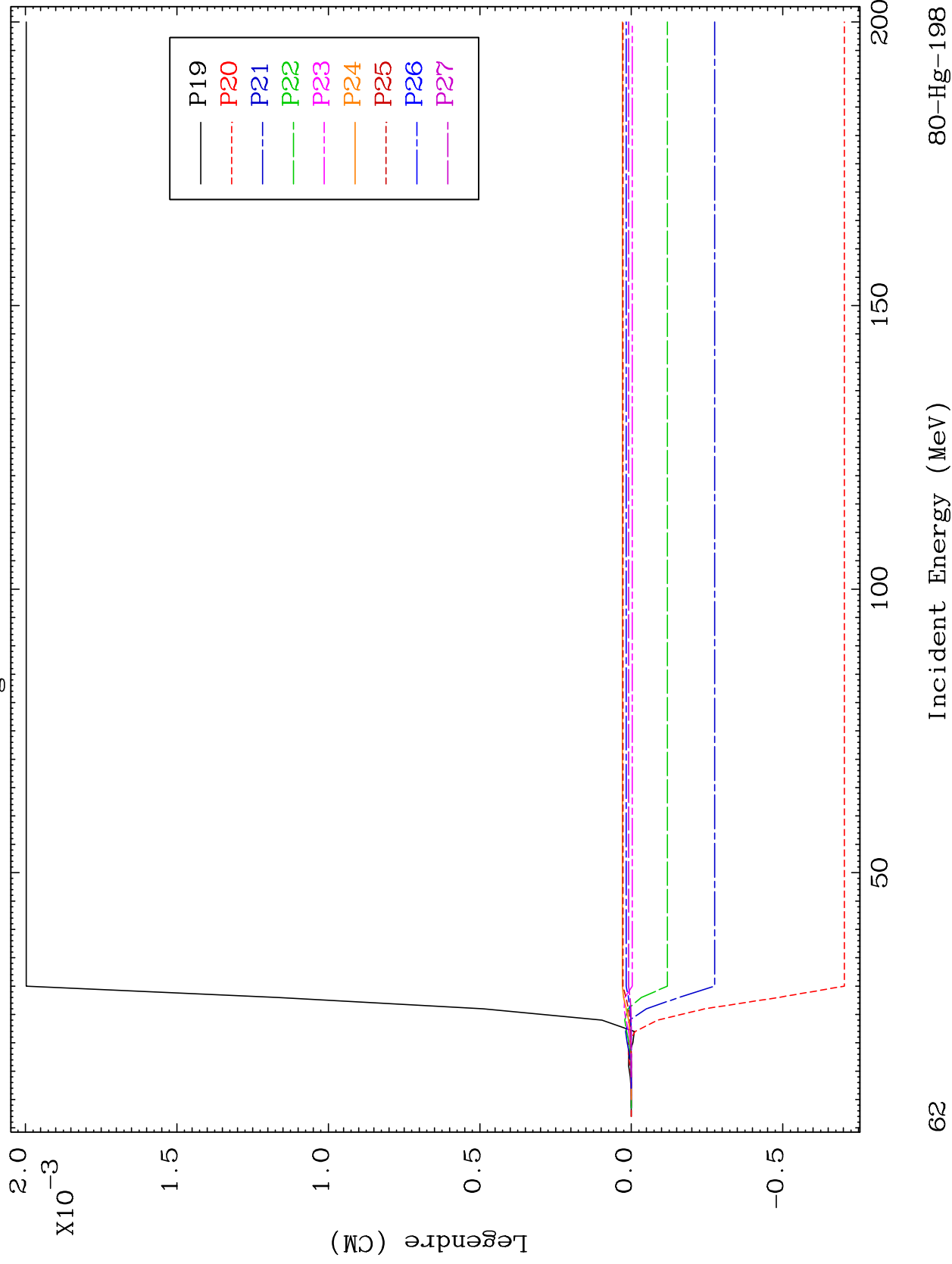
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

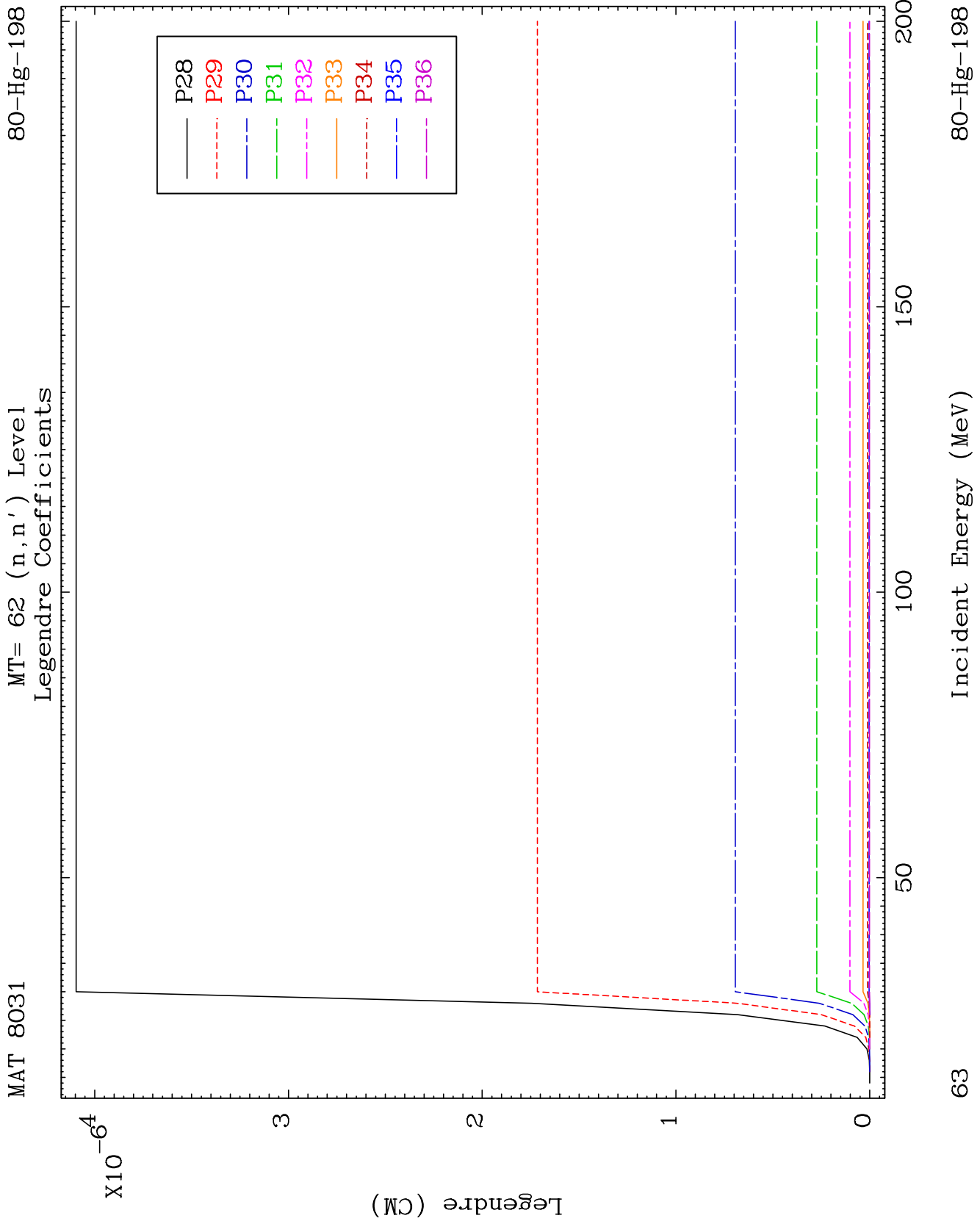
80-Hg-198



62

Incident Energy (MeV)

80-Hg-198

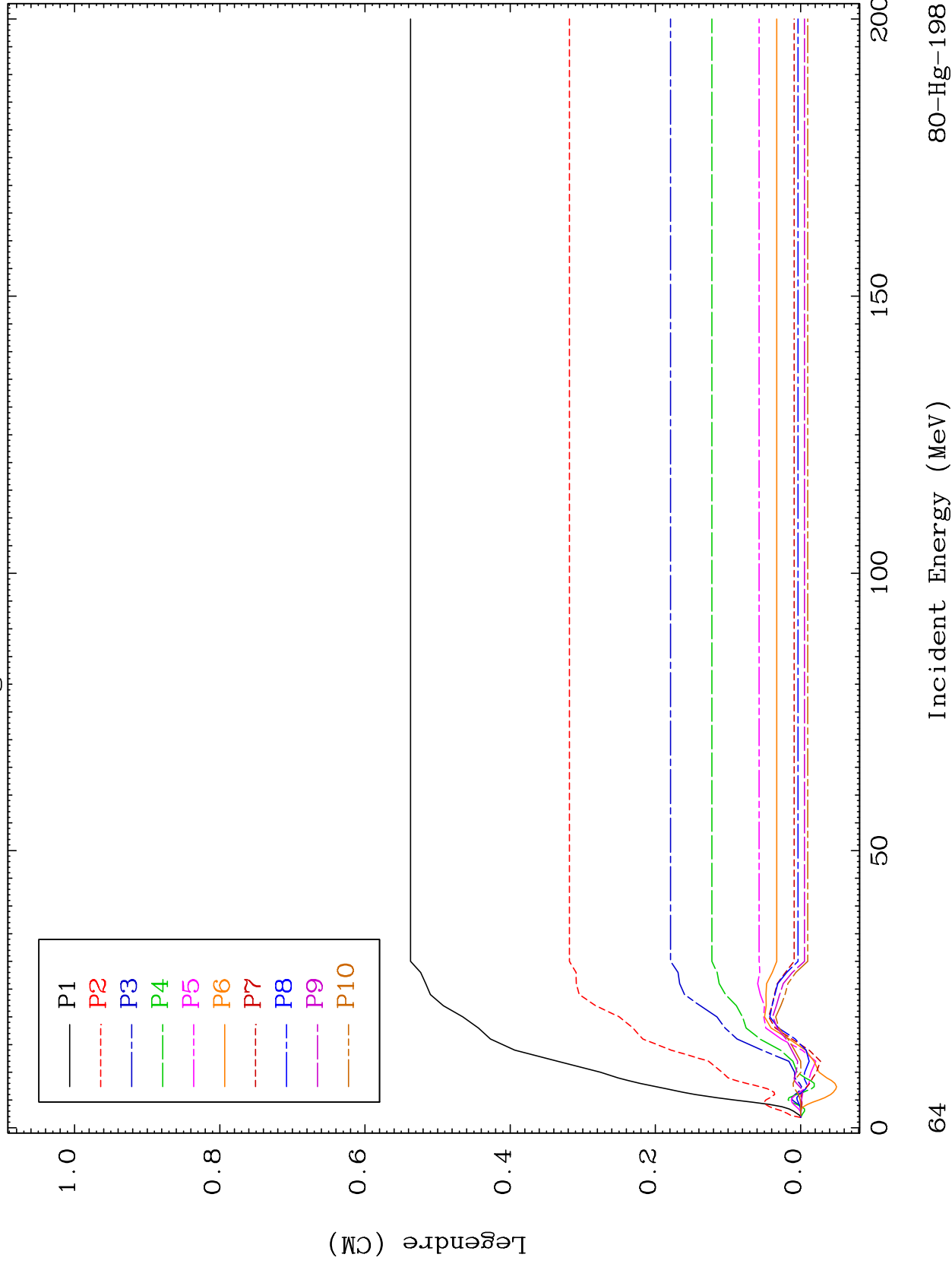




MAT 8031

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

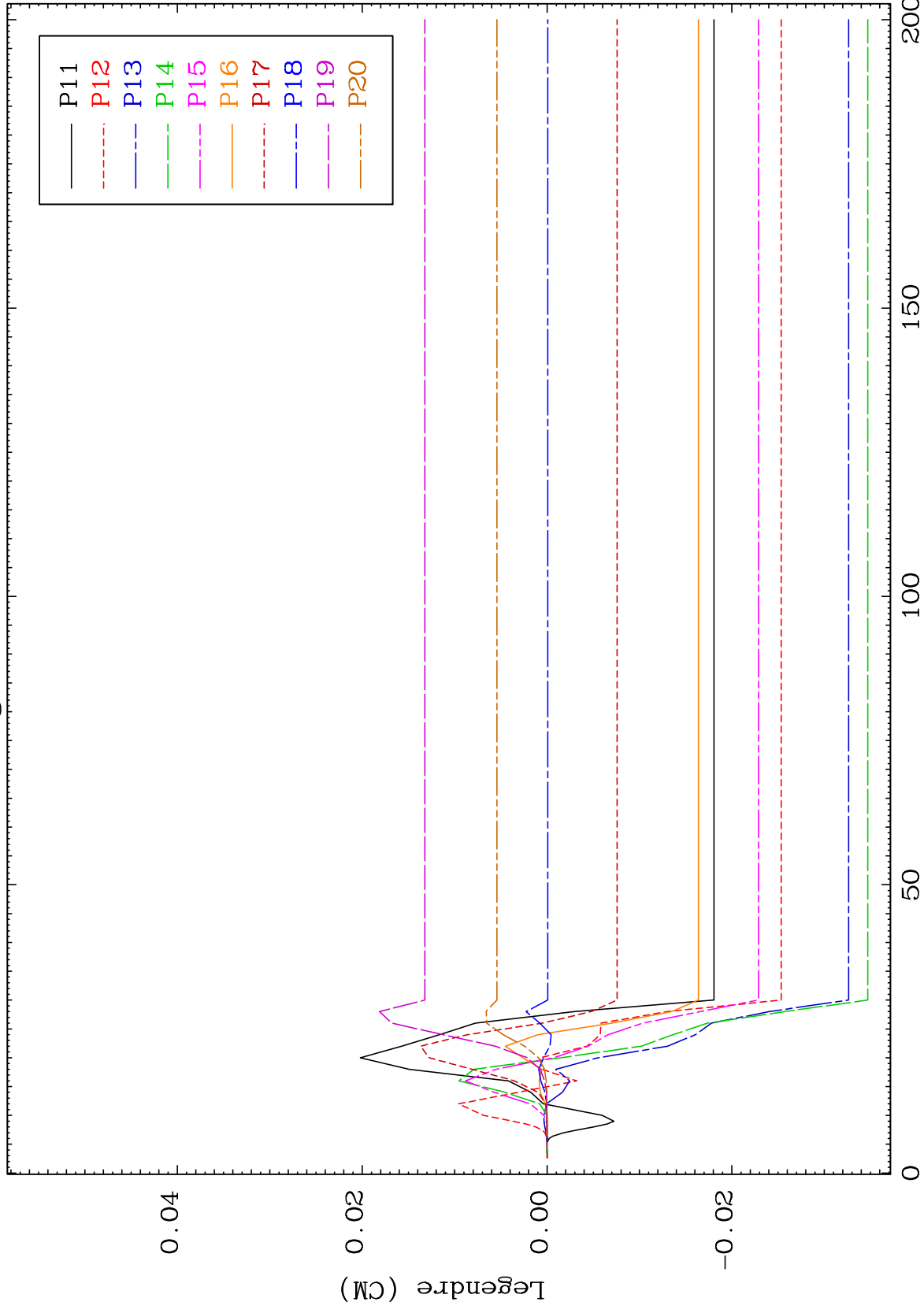
80-Hg-198



MAT 8031

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

80-Hg-198



65

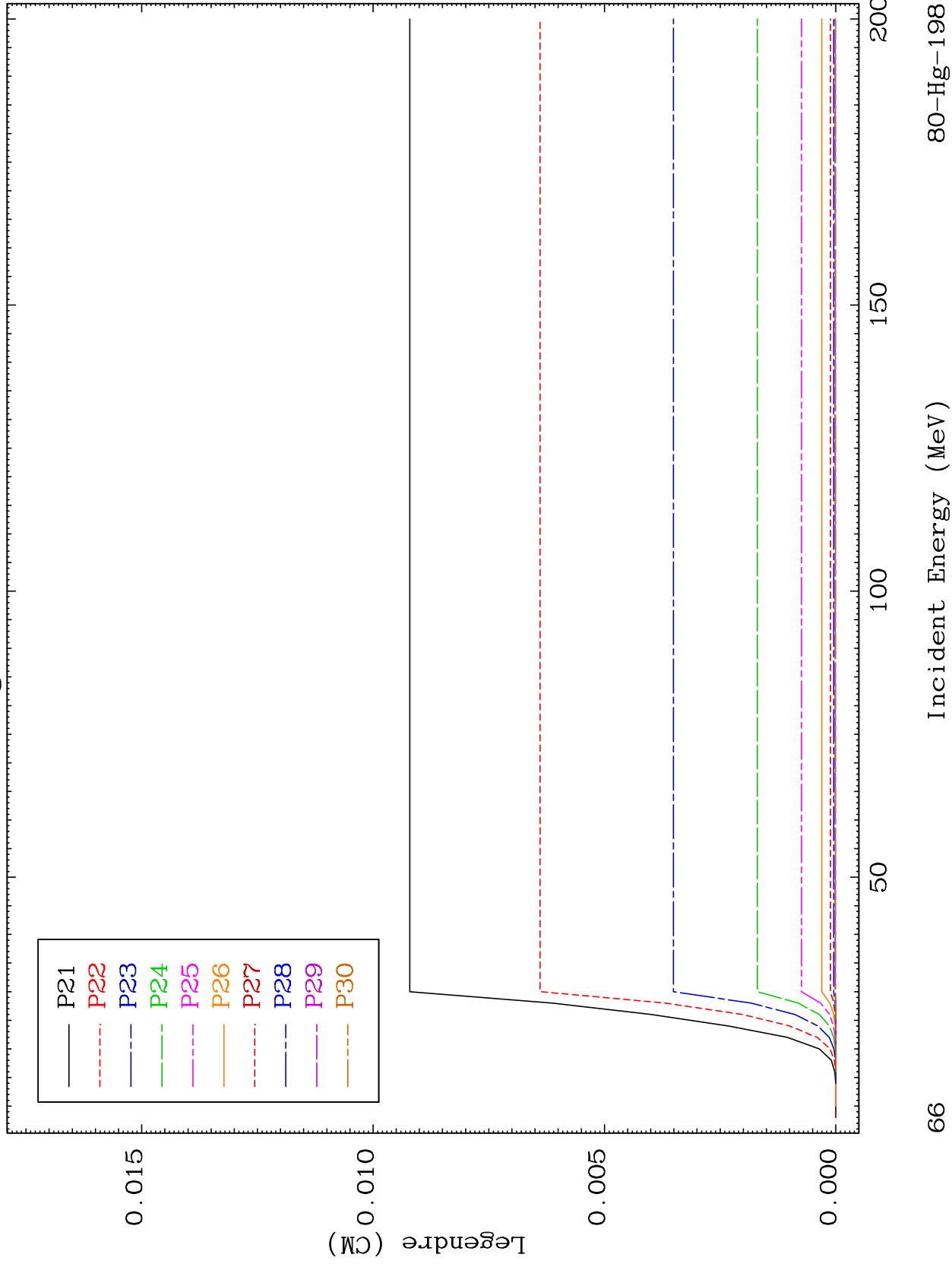
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



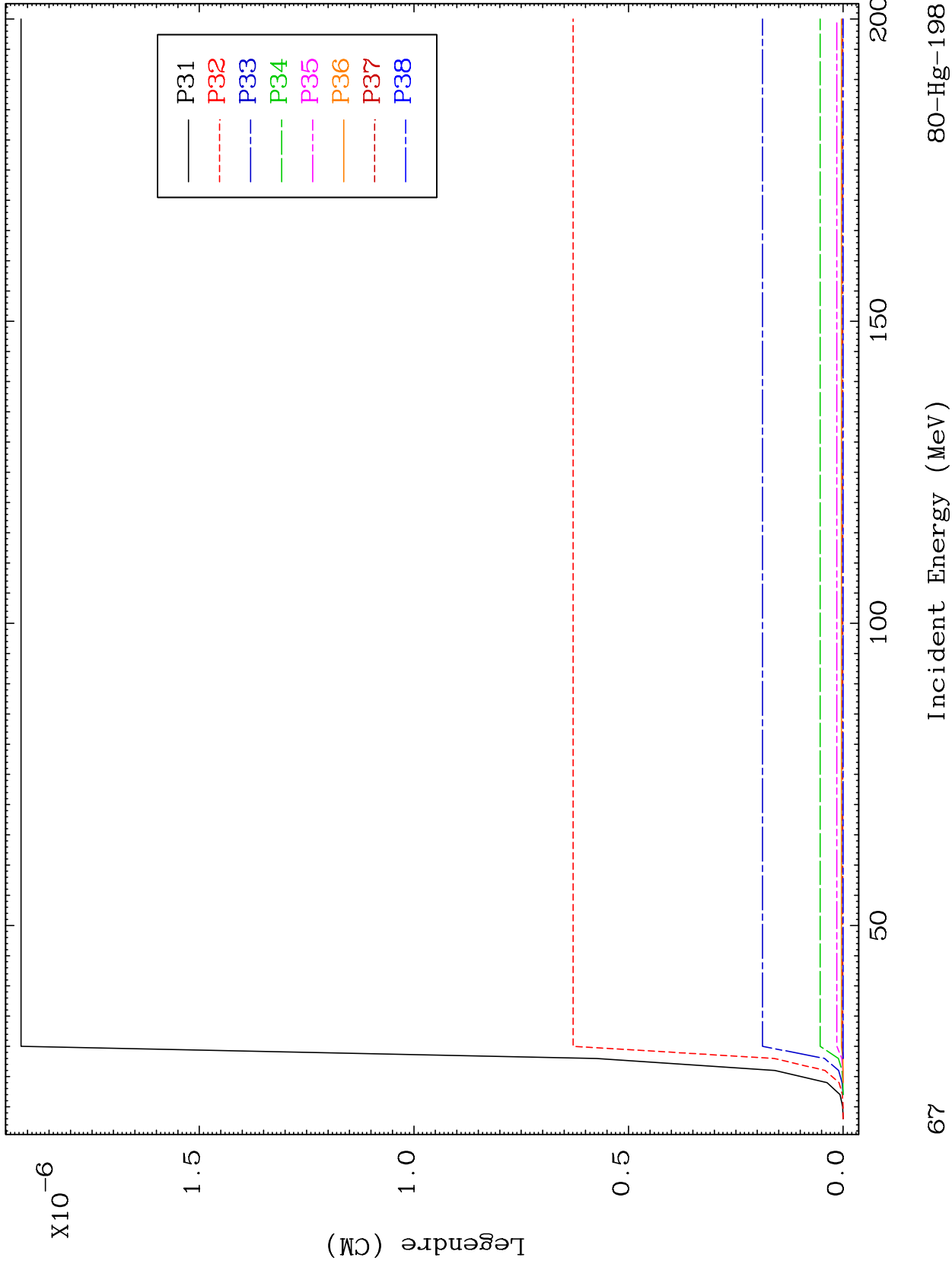
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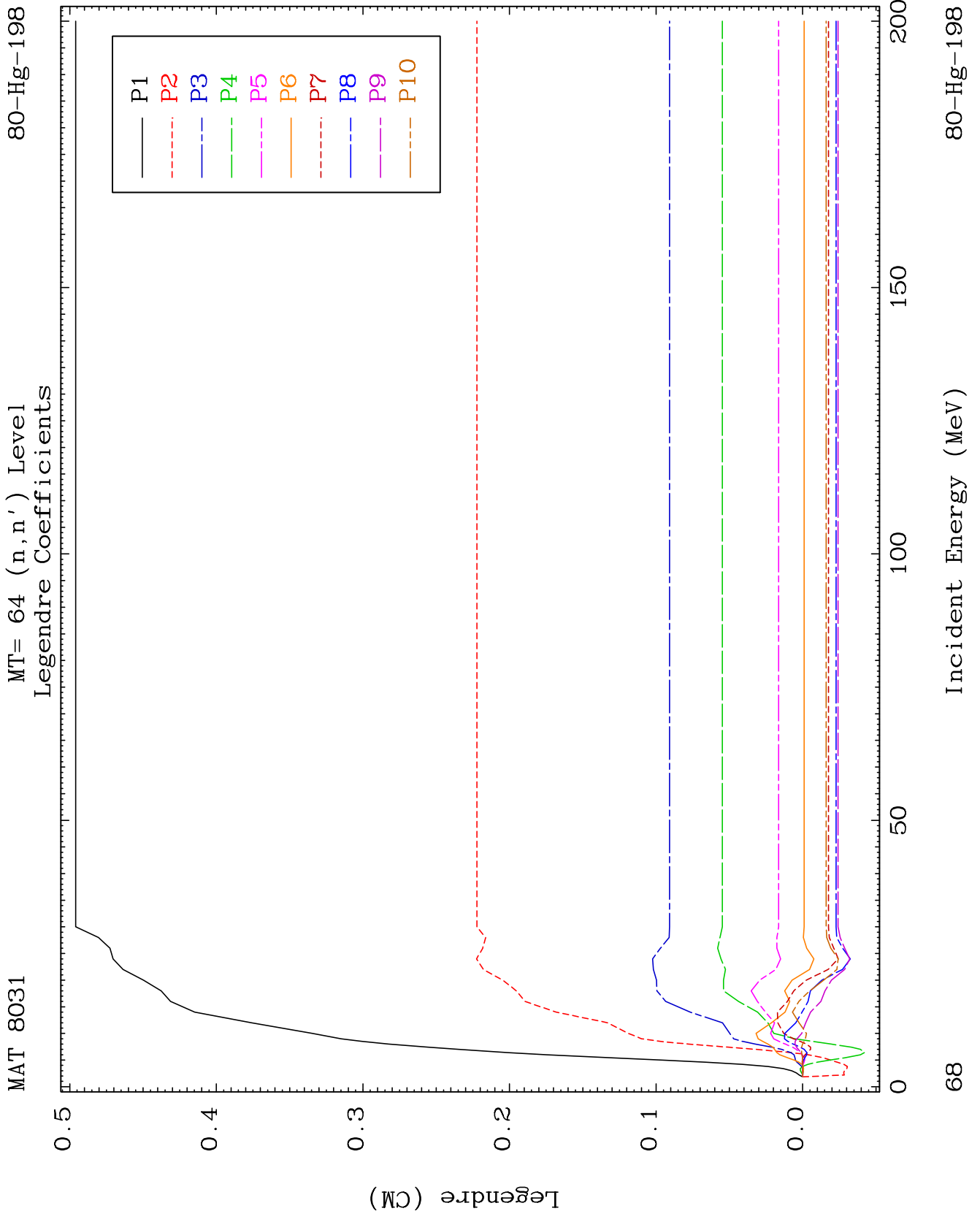
80-Hg-198

MAT 8031

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

80-Hg-198

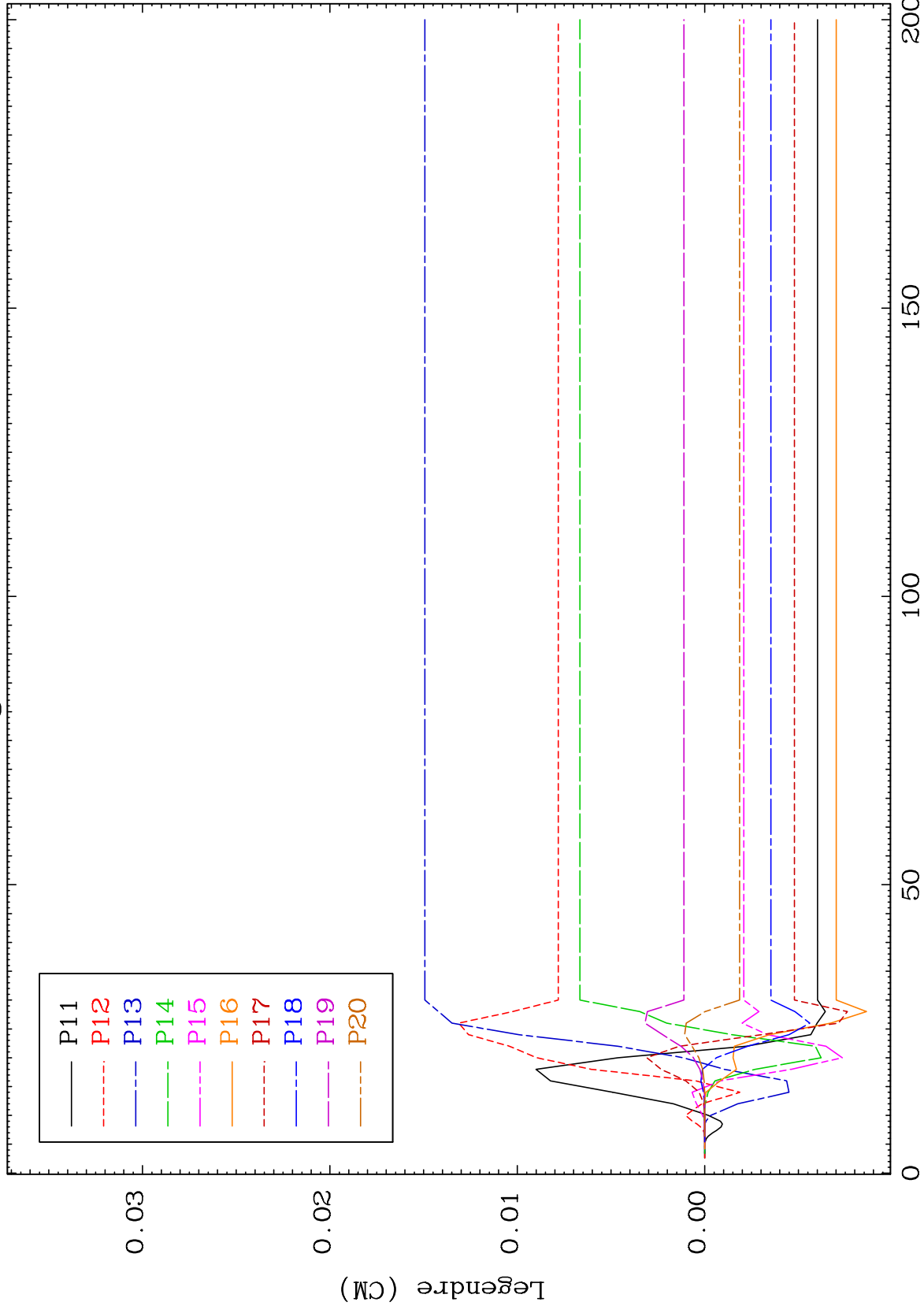




MAT 8031

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

80-Hg-198



69

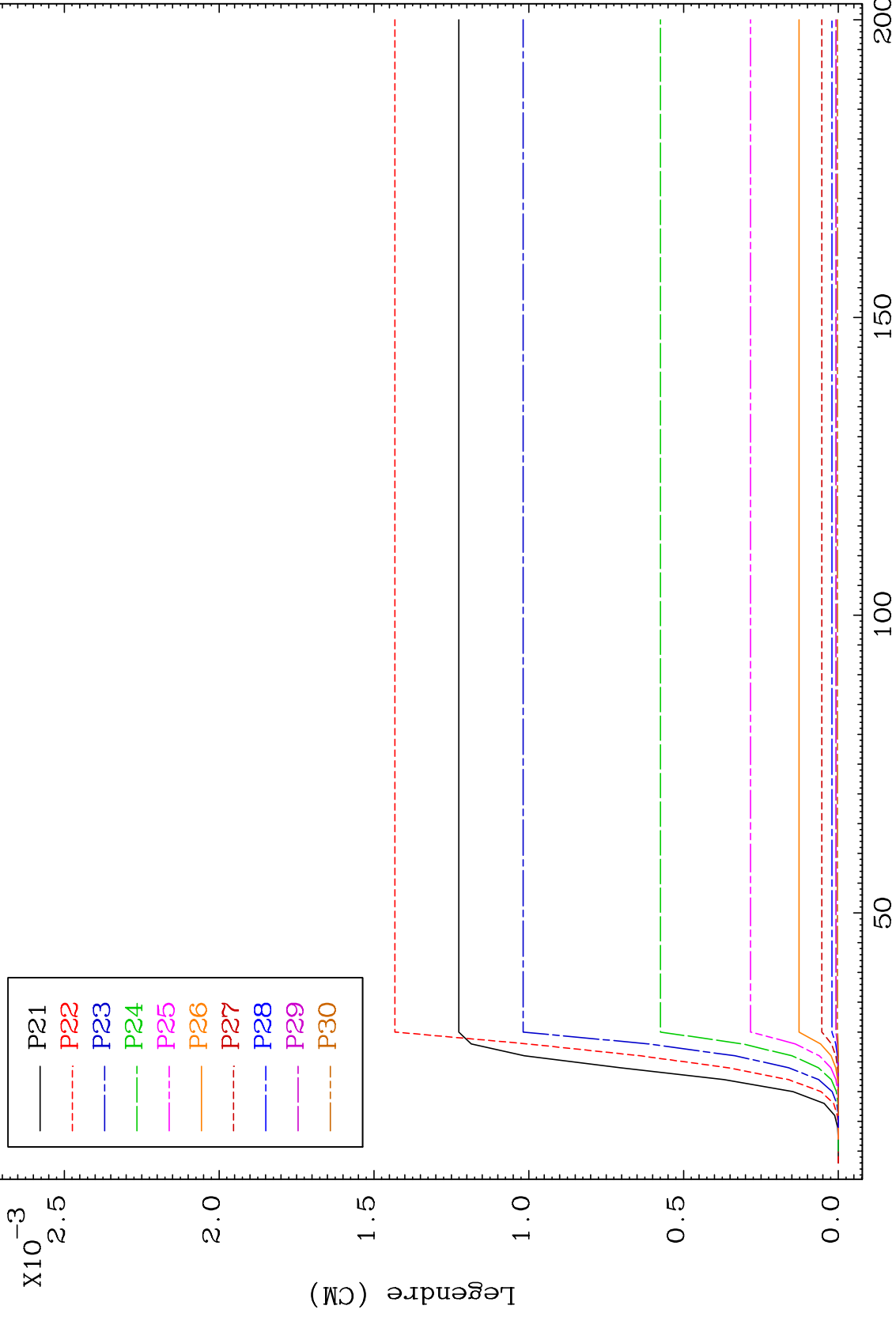
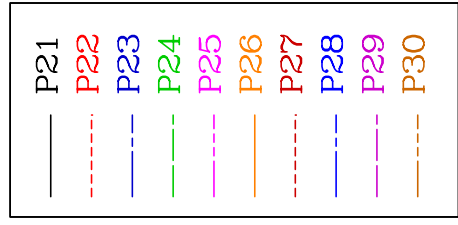
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



70

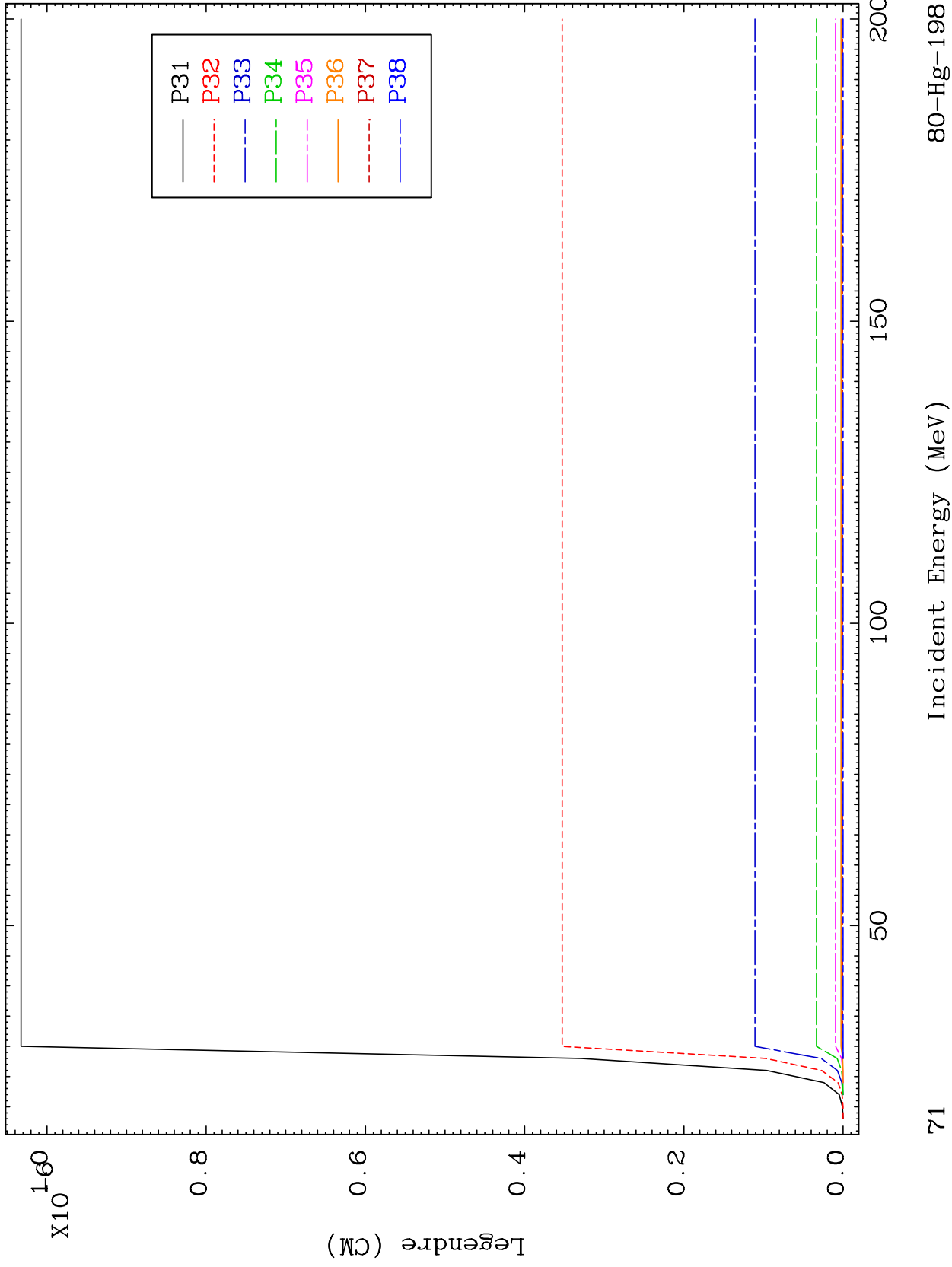
Incident Energy (MeV)

80-Hg-198

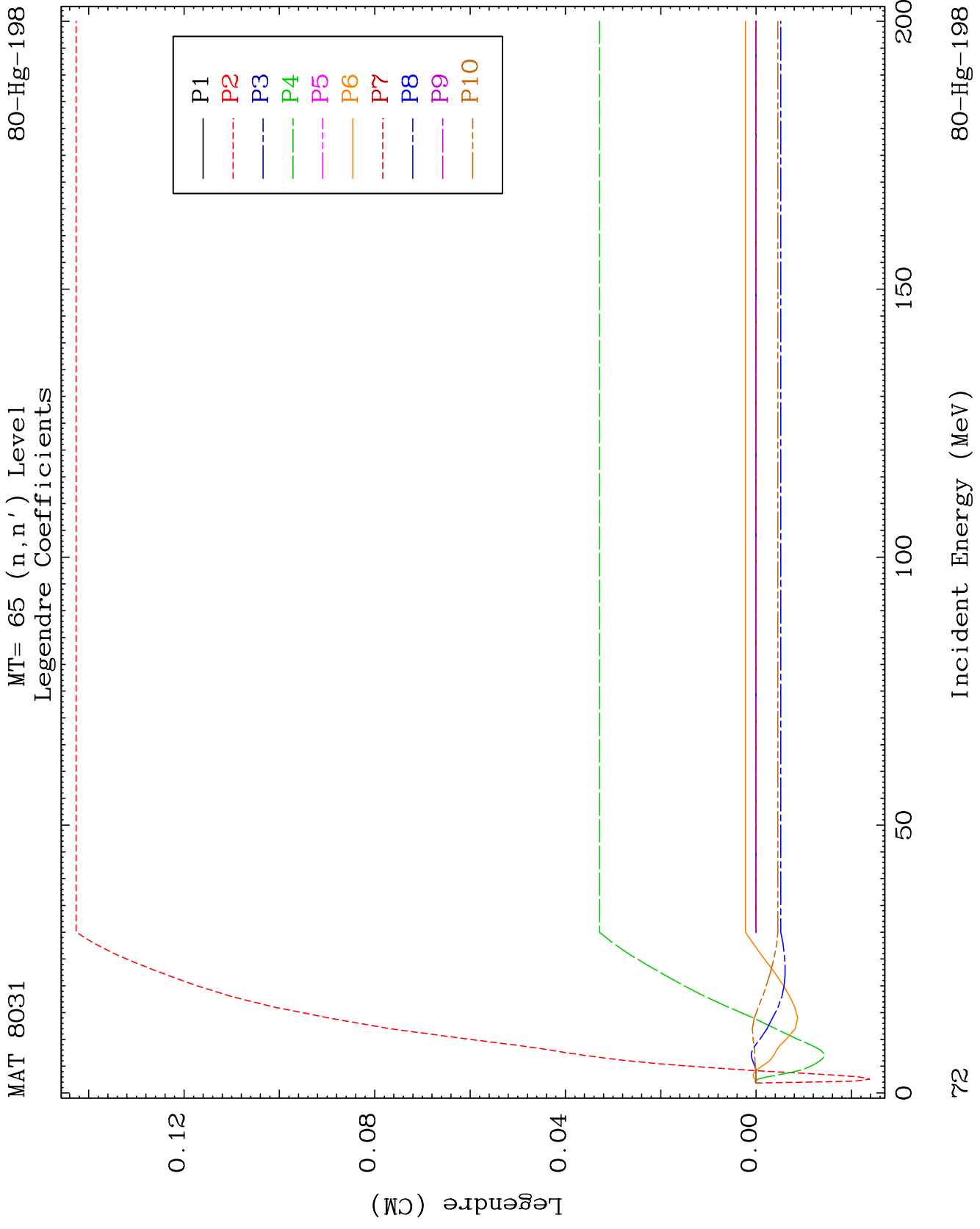
MAT 8031

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

80-Hg-198



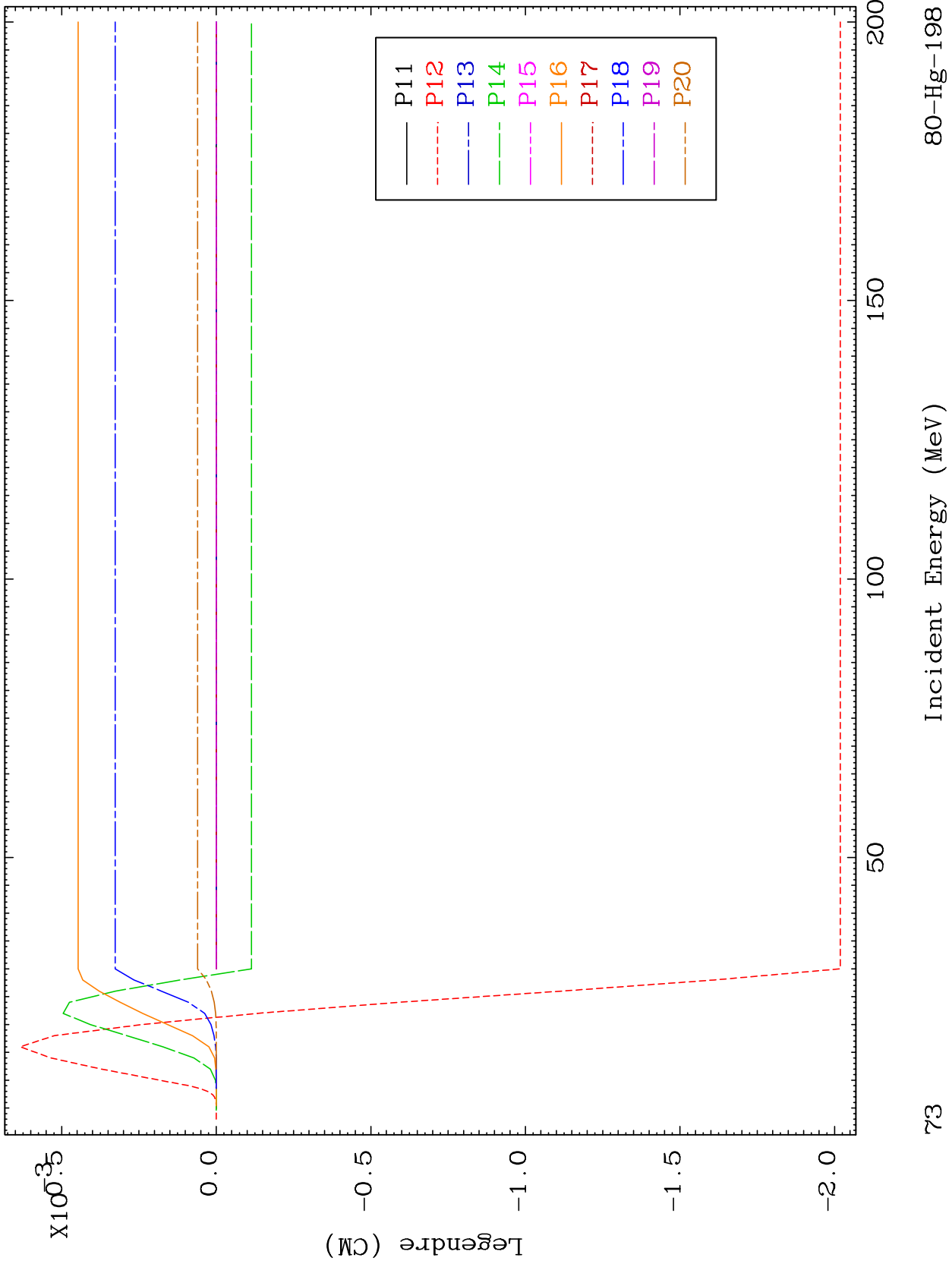




MAT 8031

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

80-Hg-198



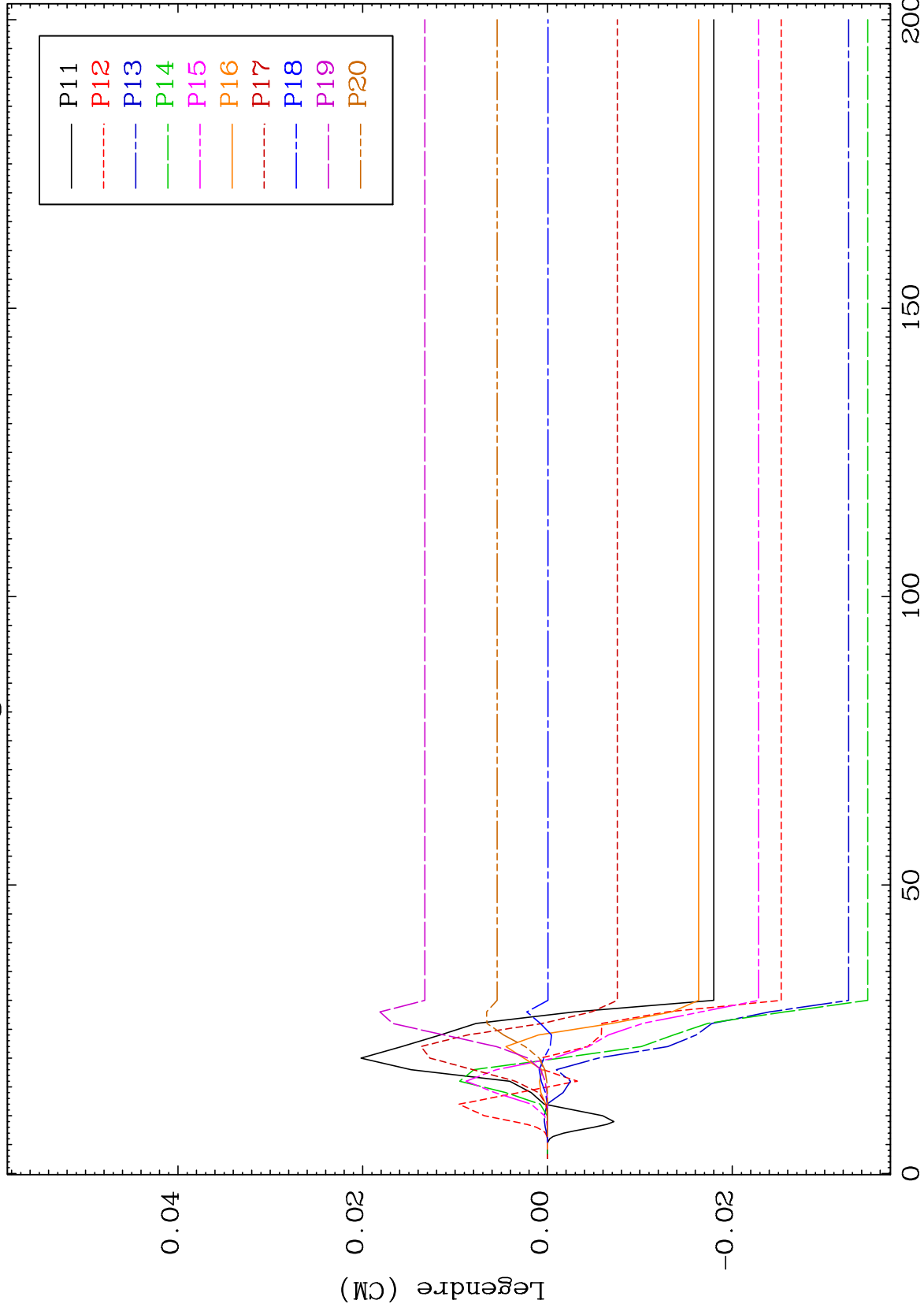




MAT 8031

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

80-Hg-198



76

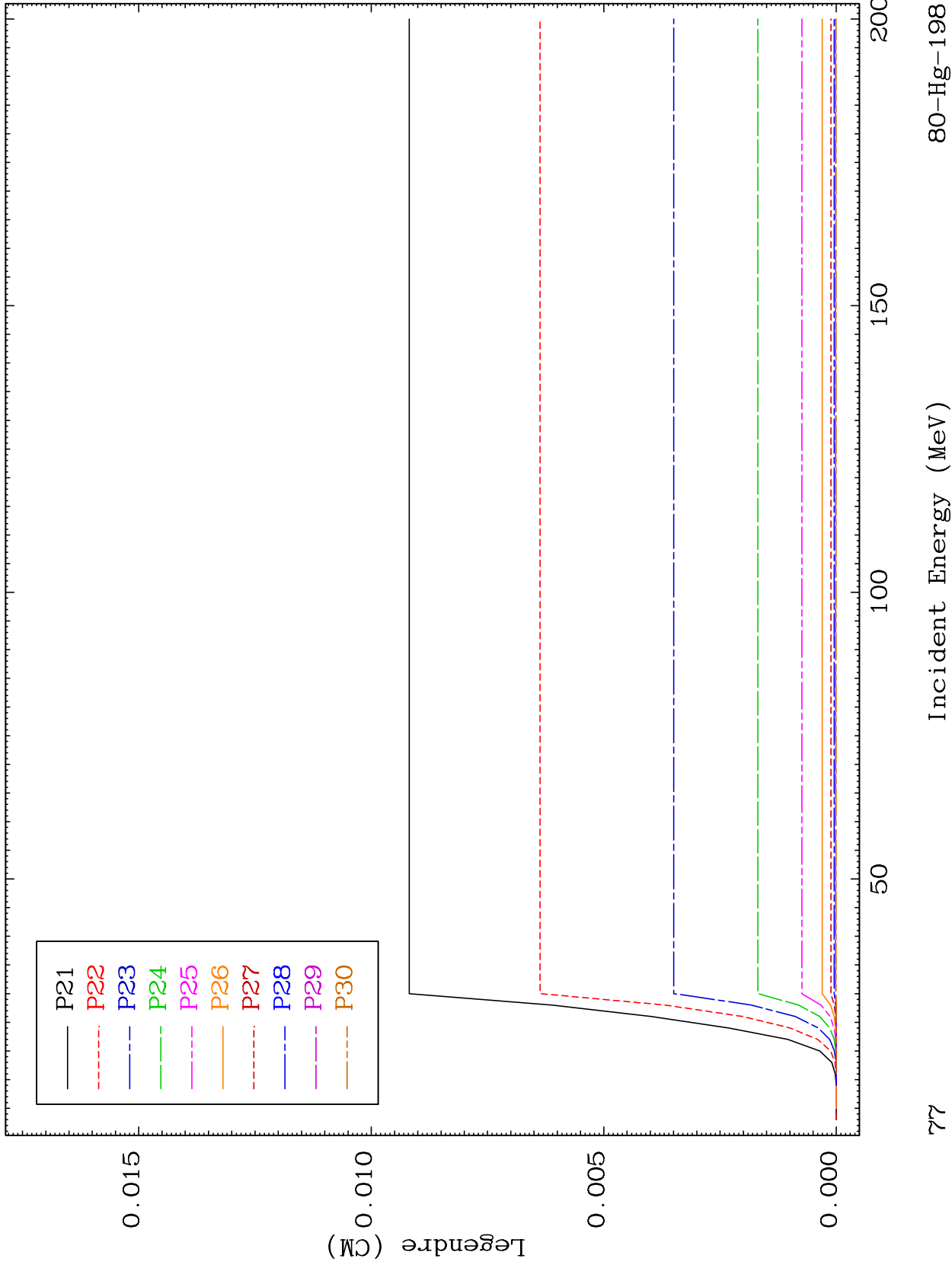
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



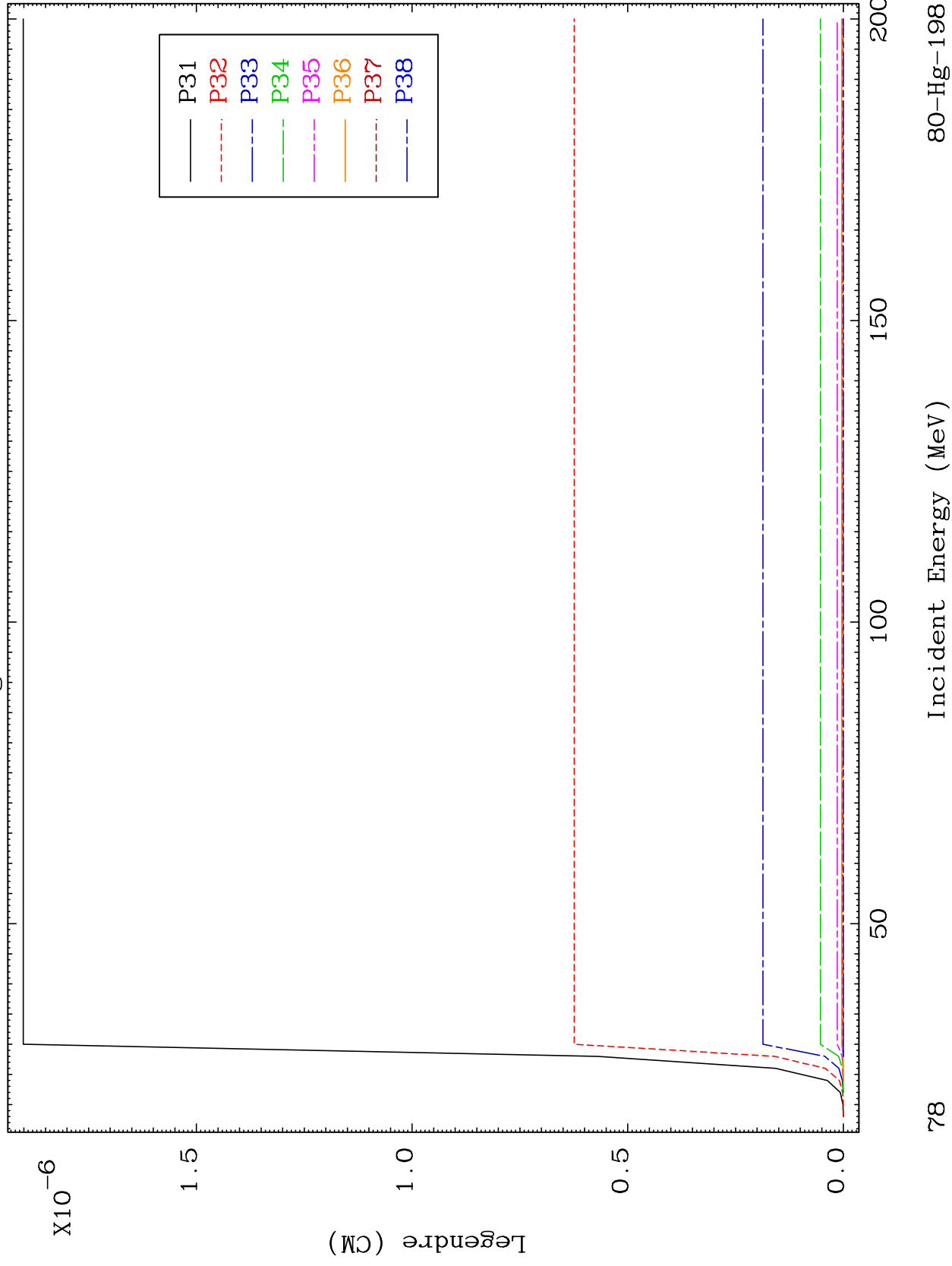
77

80-Hg-198

MAT 8031

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

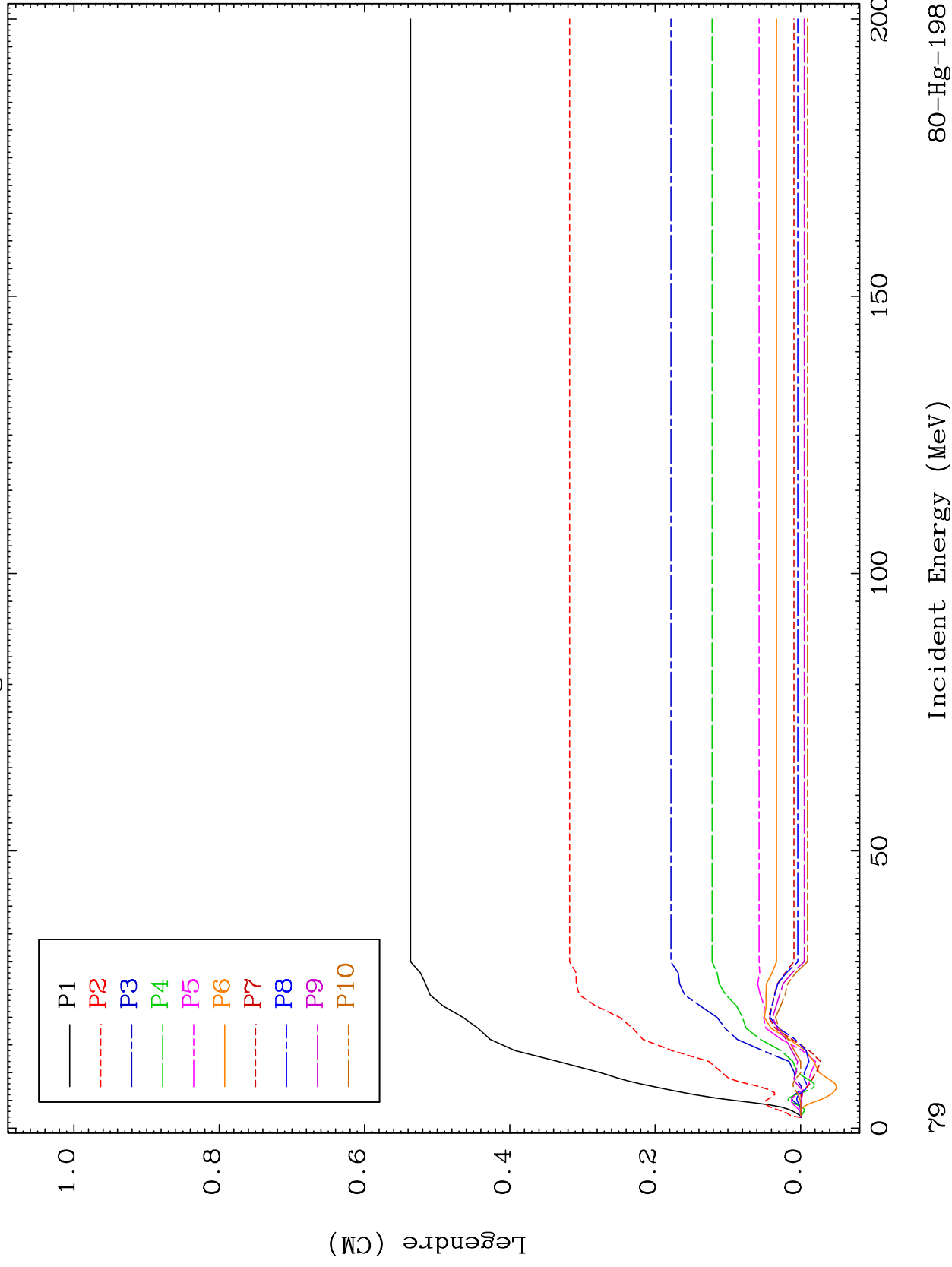
80-Hg-198



MAT 8031

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

80-Hg-198



79

Incident Energy (MeV)

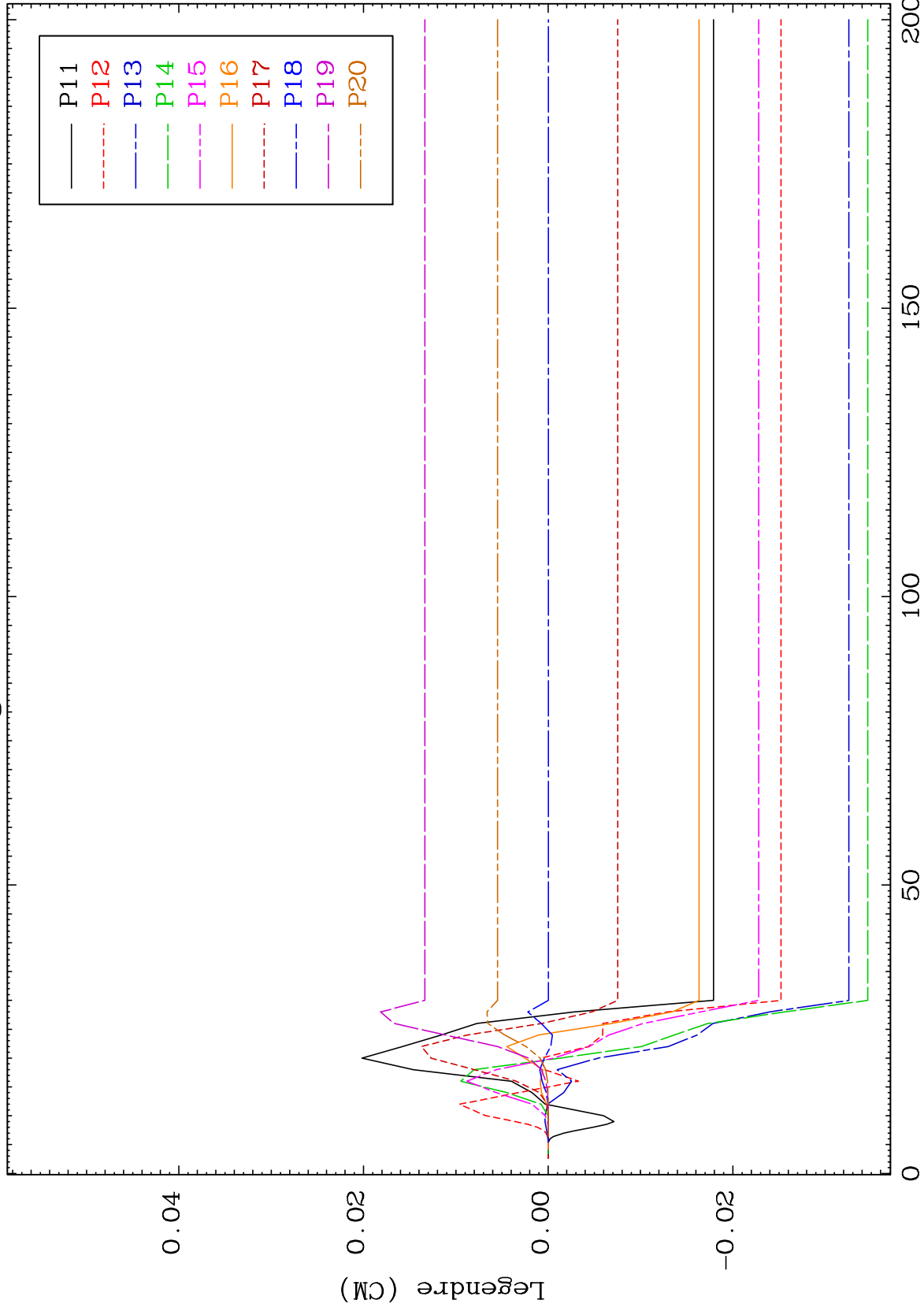
80-Hg-198



MAT 8031

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

80-Hg-198



80

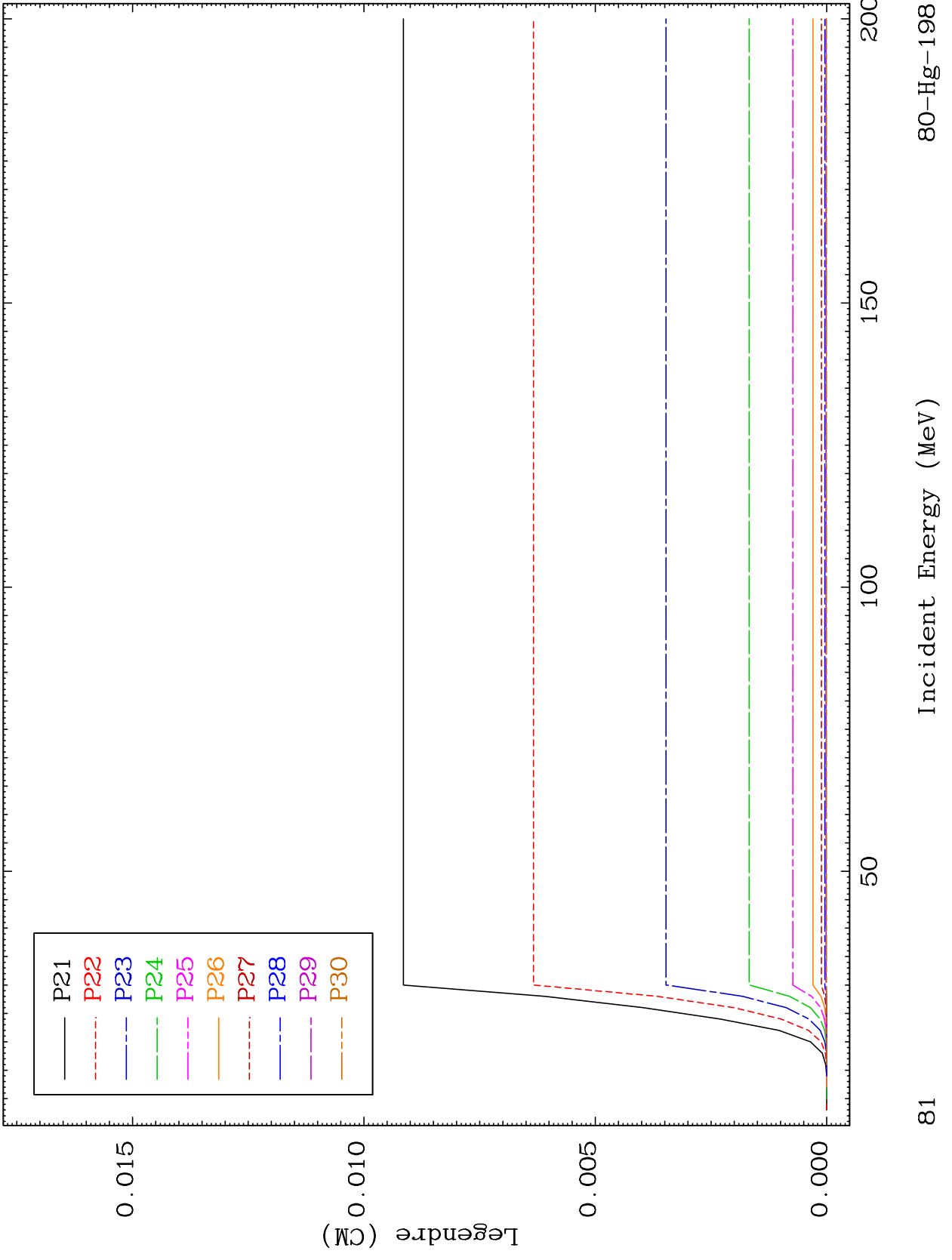
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



81

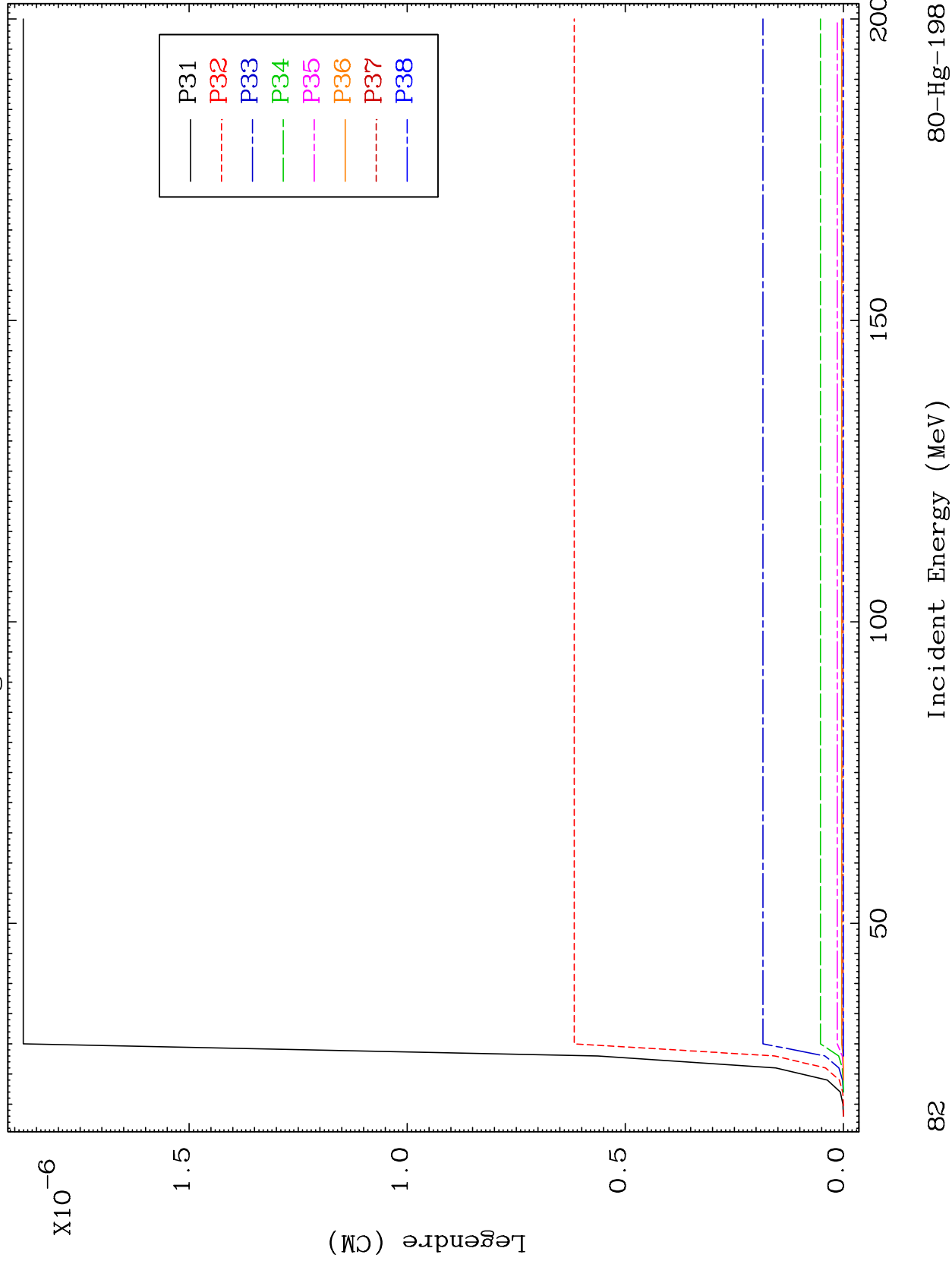
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198

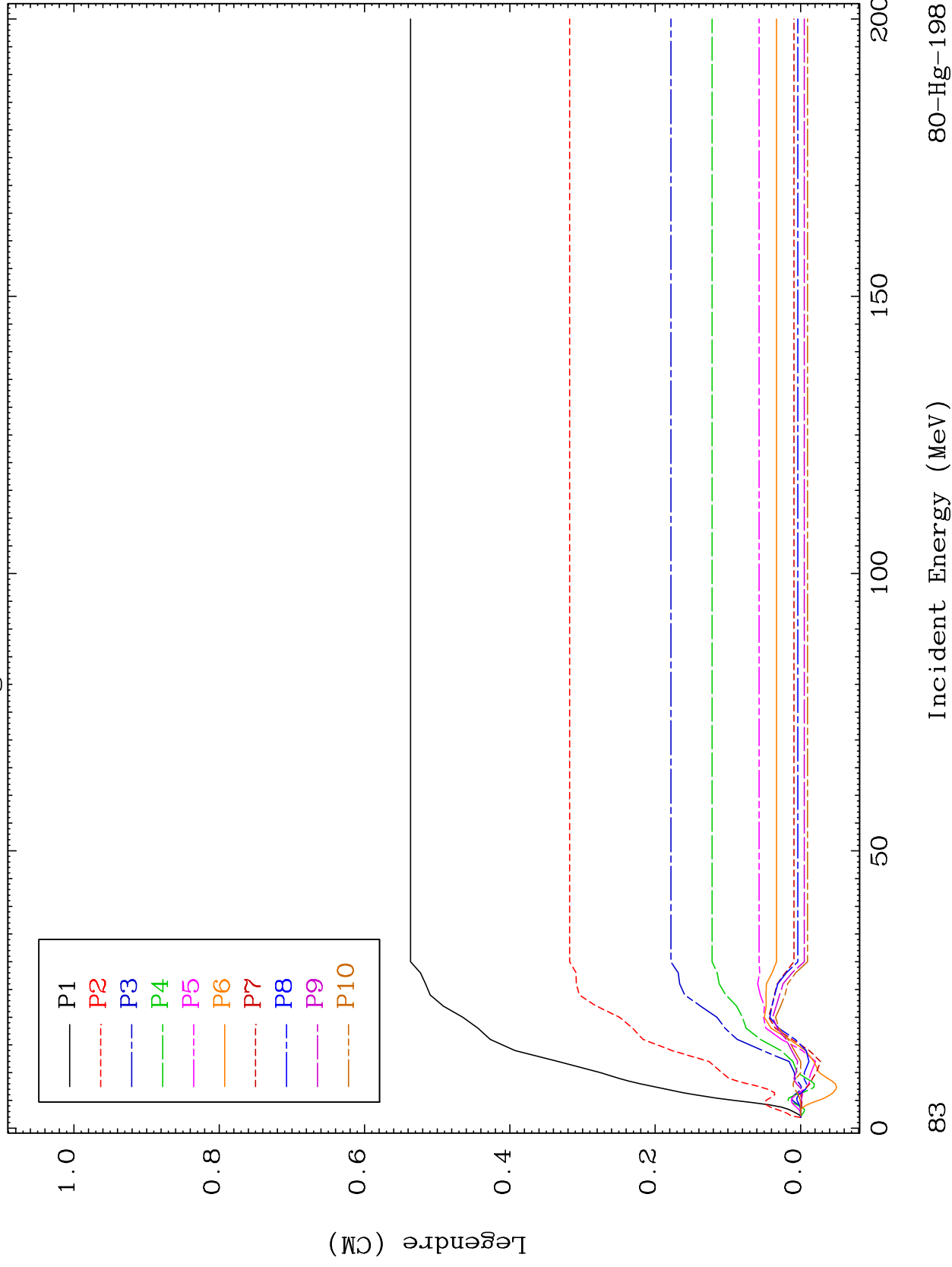


82

MAT 8031

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

80-Hg-198



83

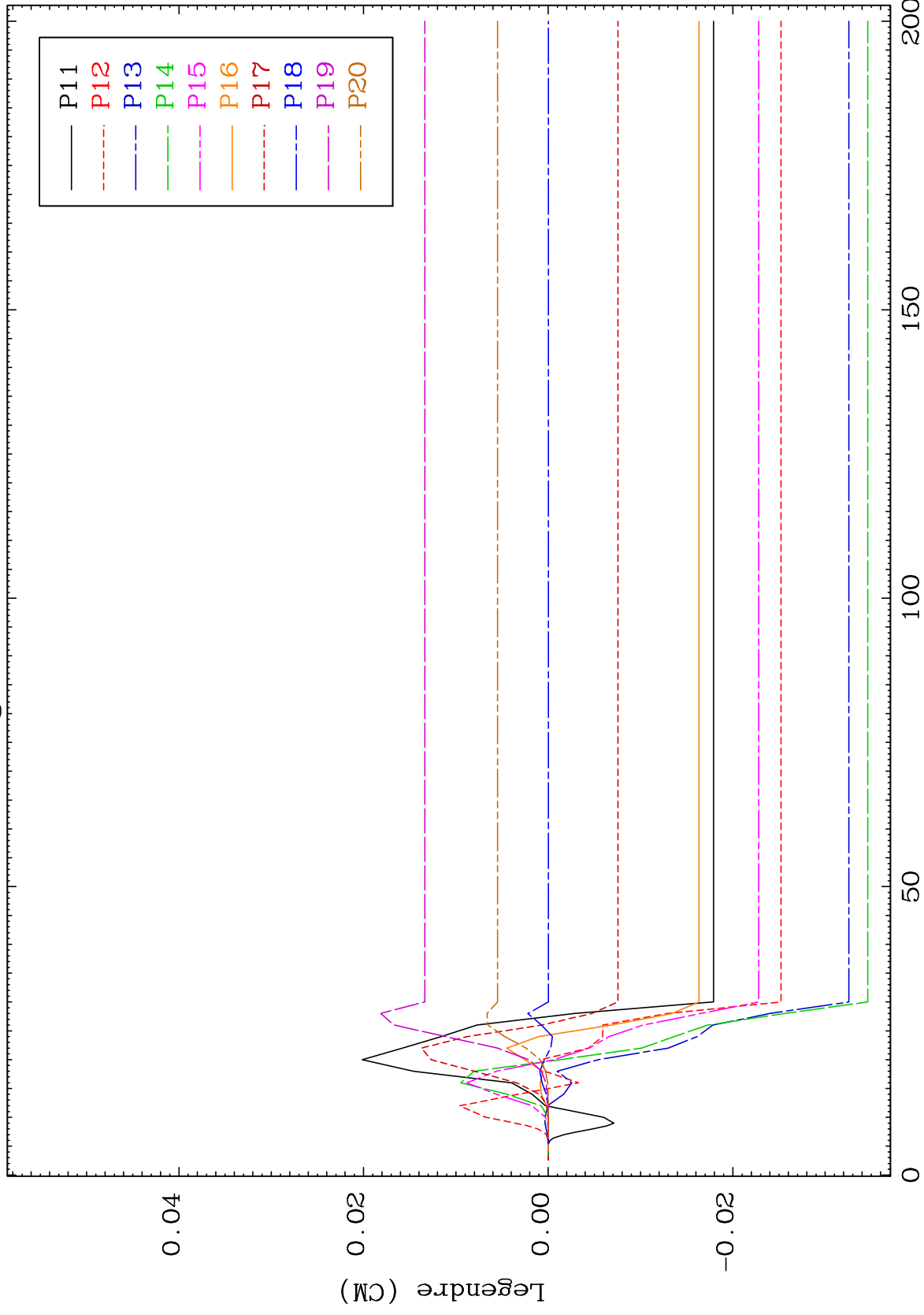
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



84

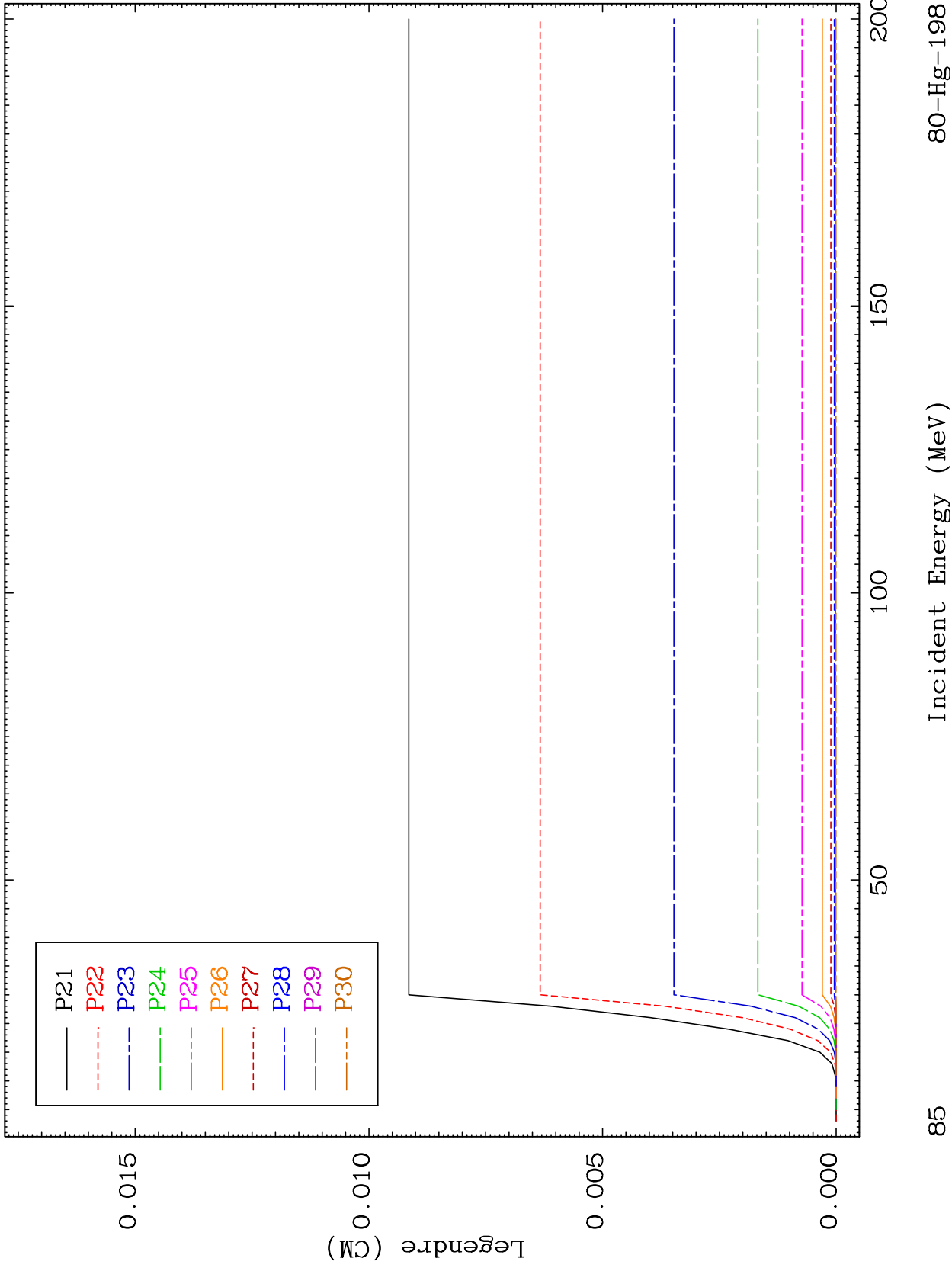
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



85

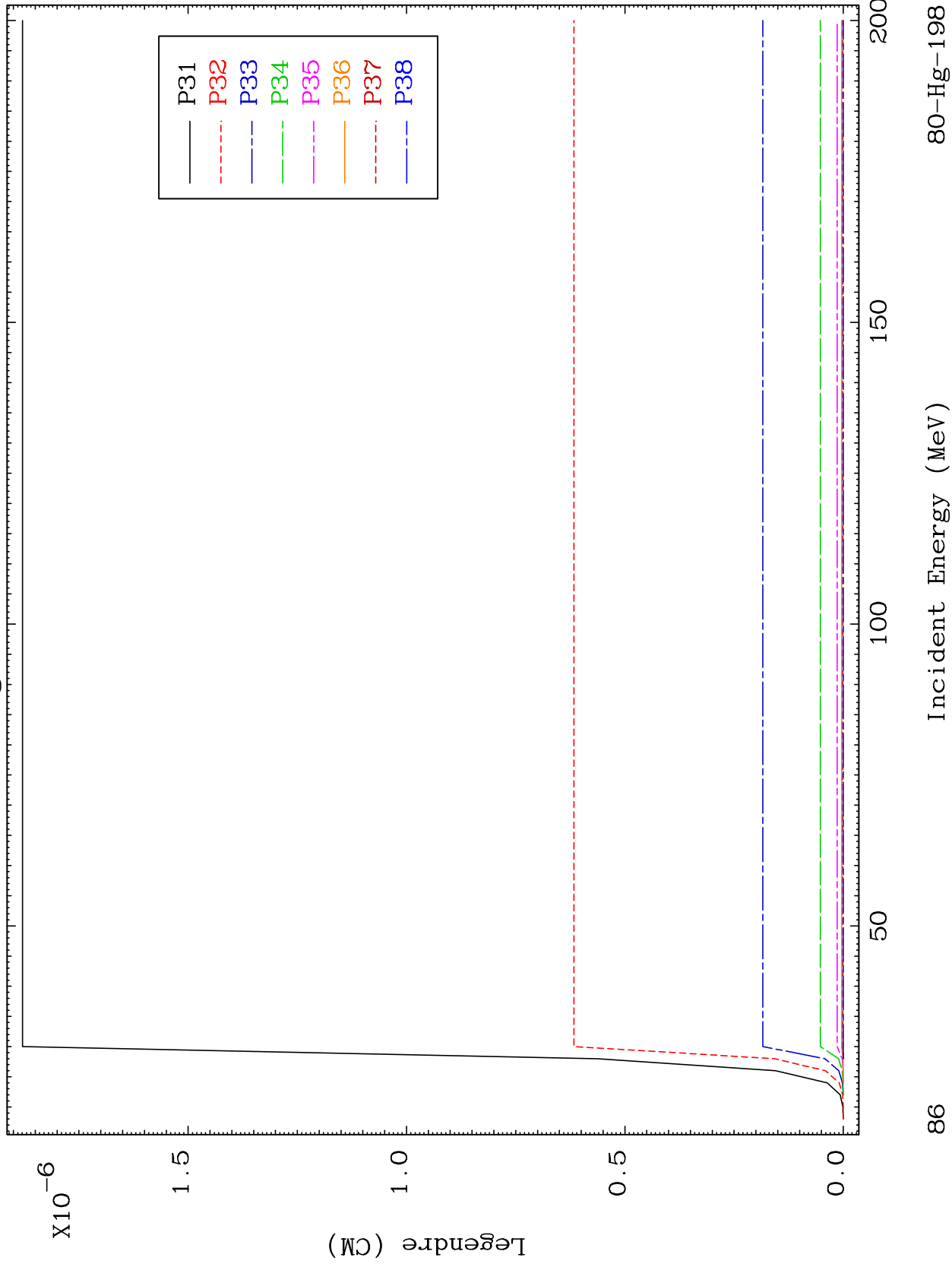
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

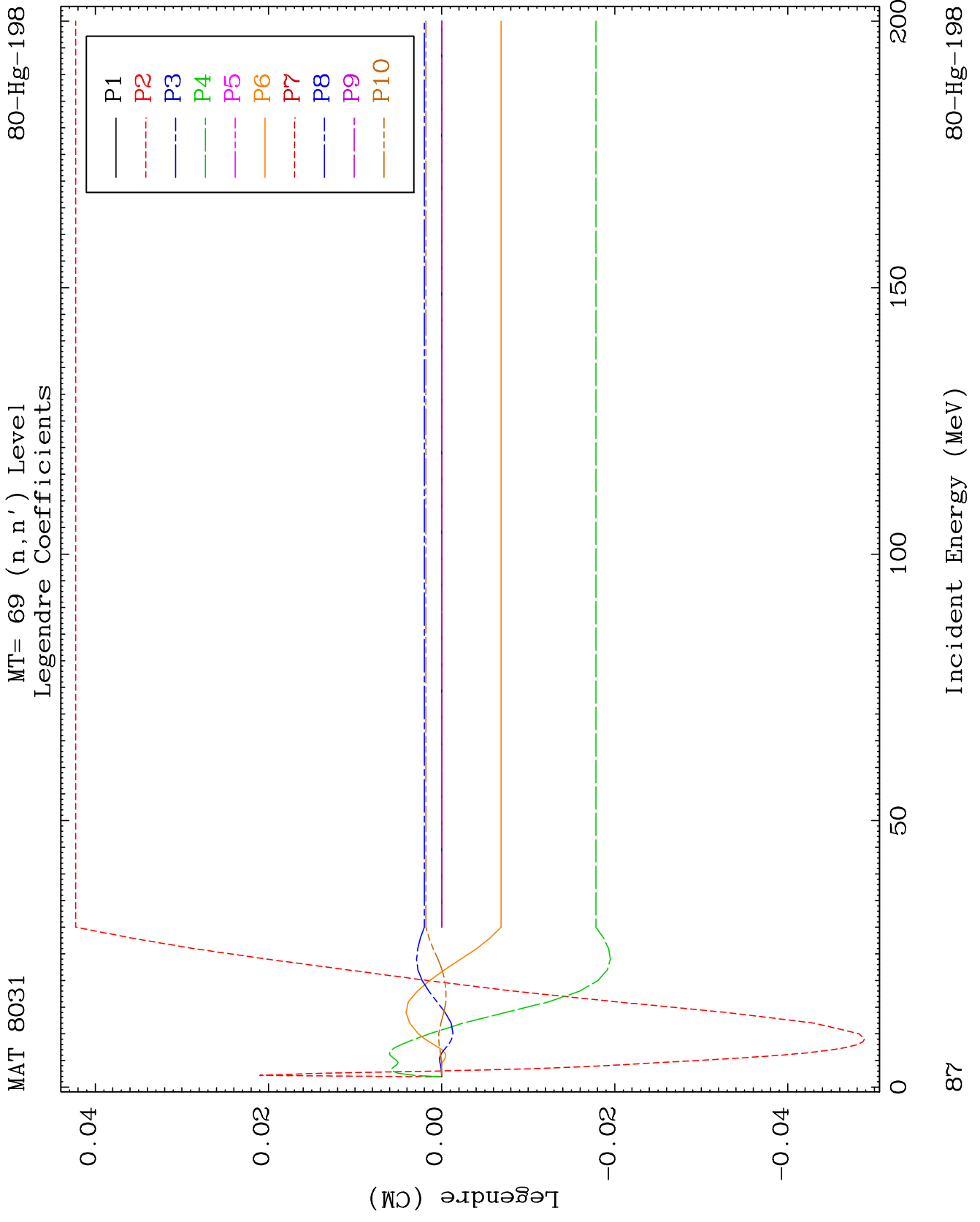
80-Hg-198



86

Incident Energy (MeV)

80-Hg-198

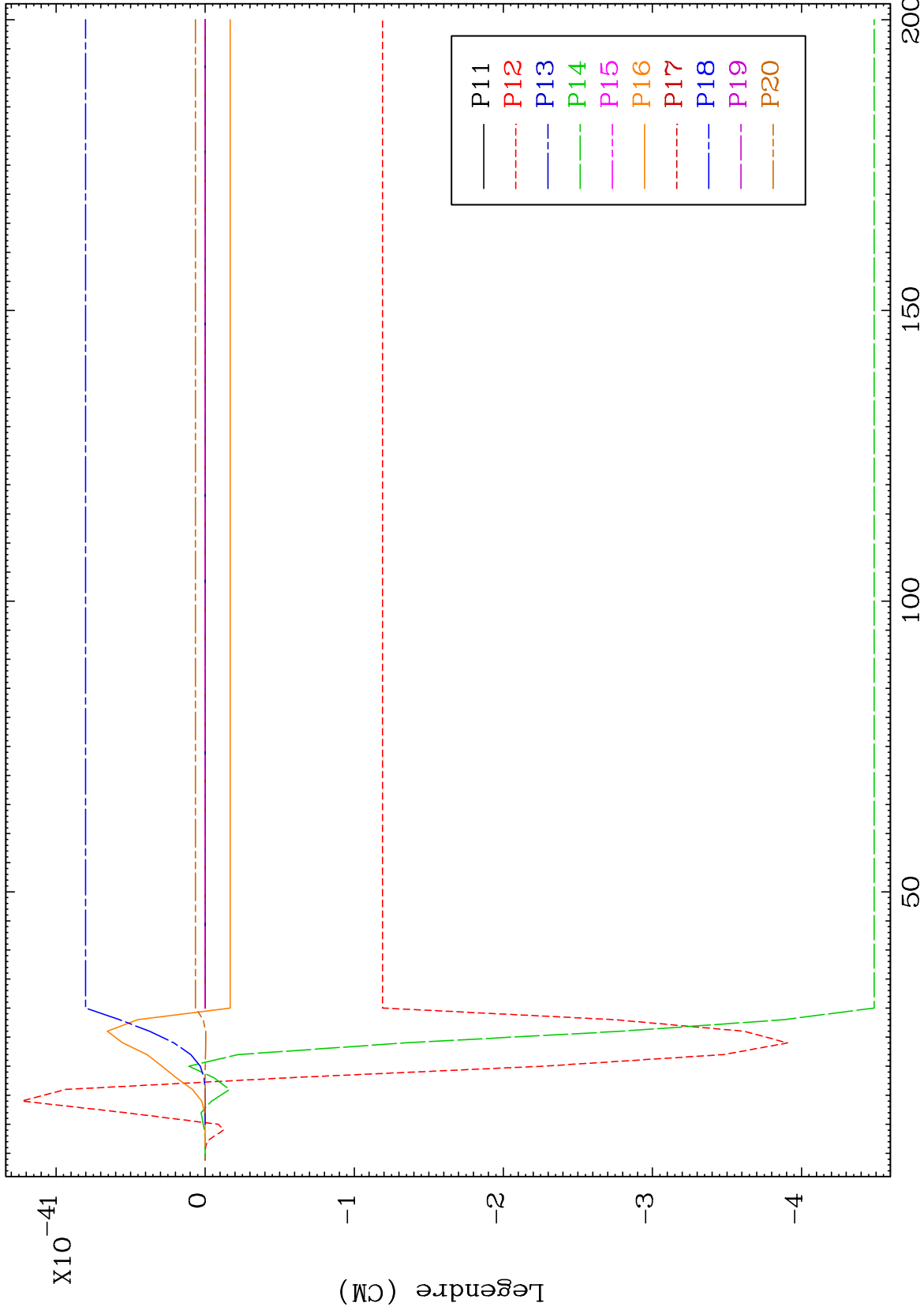




MAT 8031

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

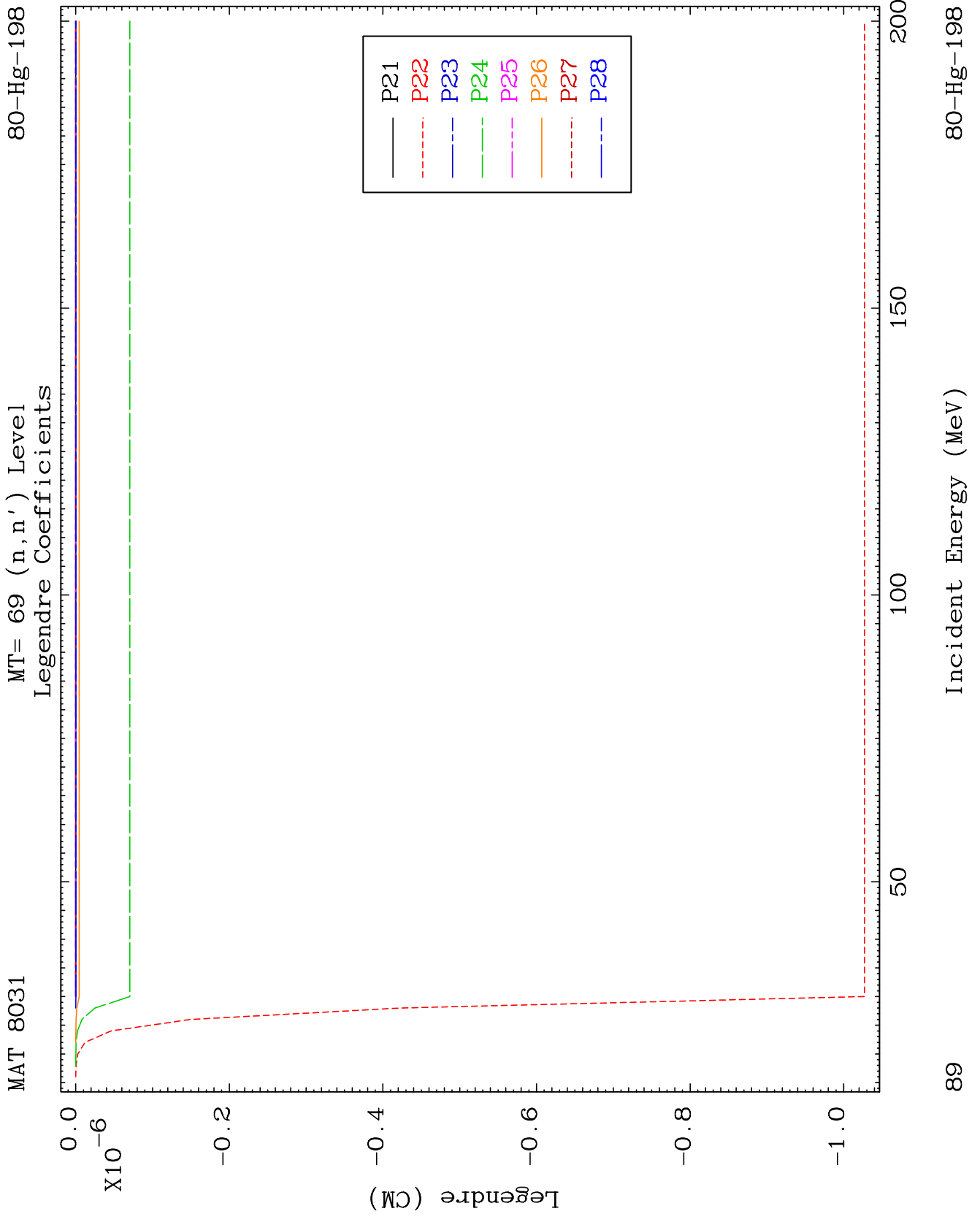
80-Hg-198

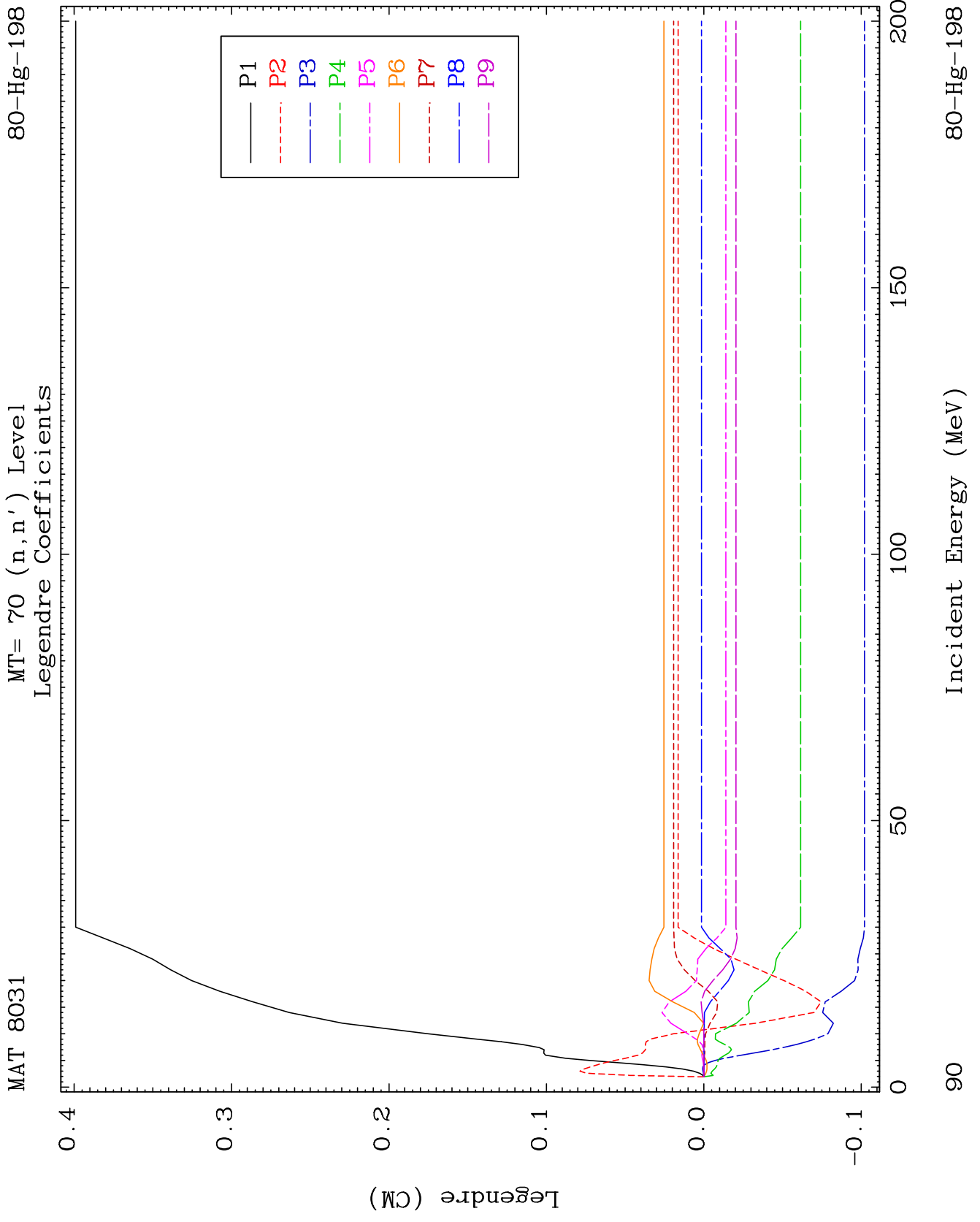


88

Incident Energy (MeV)

80-Hg-198

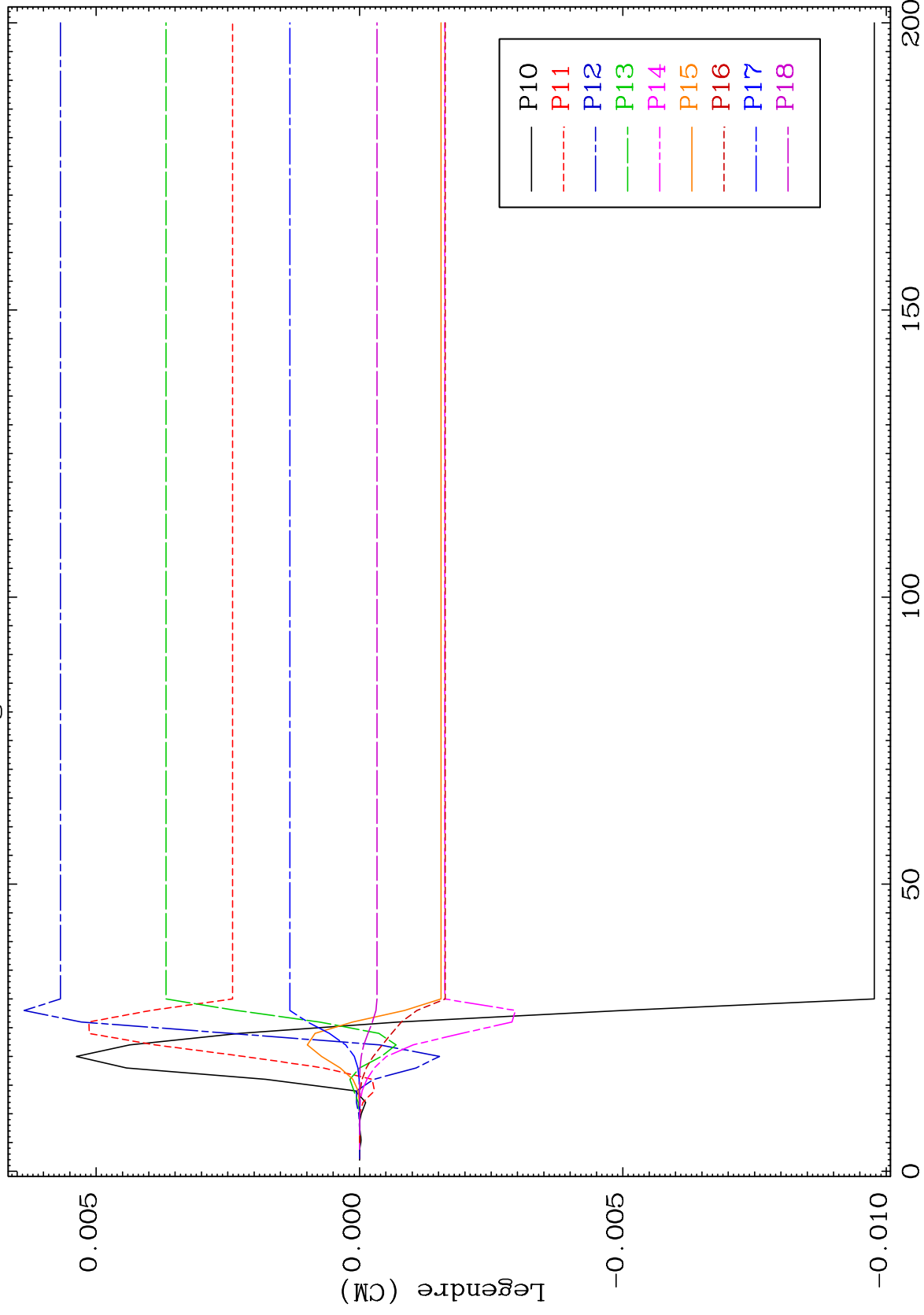




MAT 8031

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

80-Hg-198



91

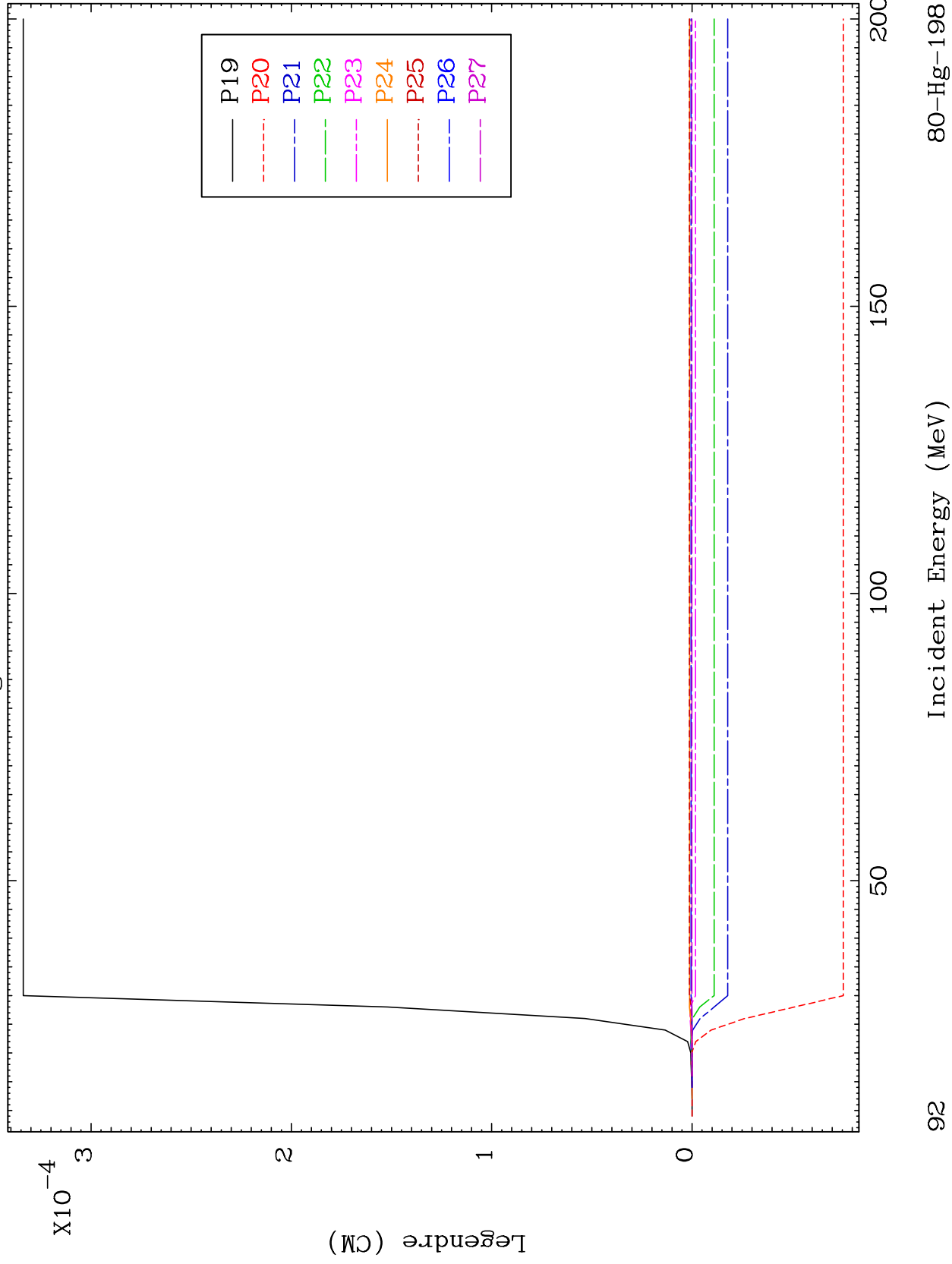
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



92

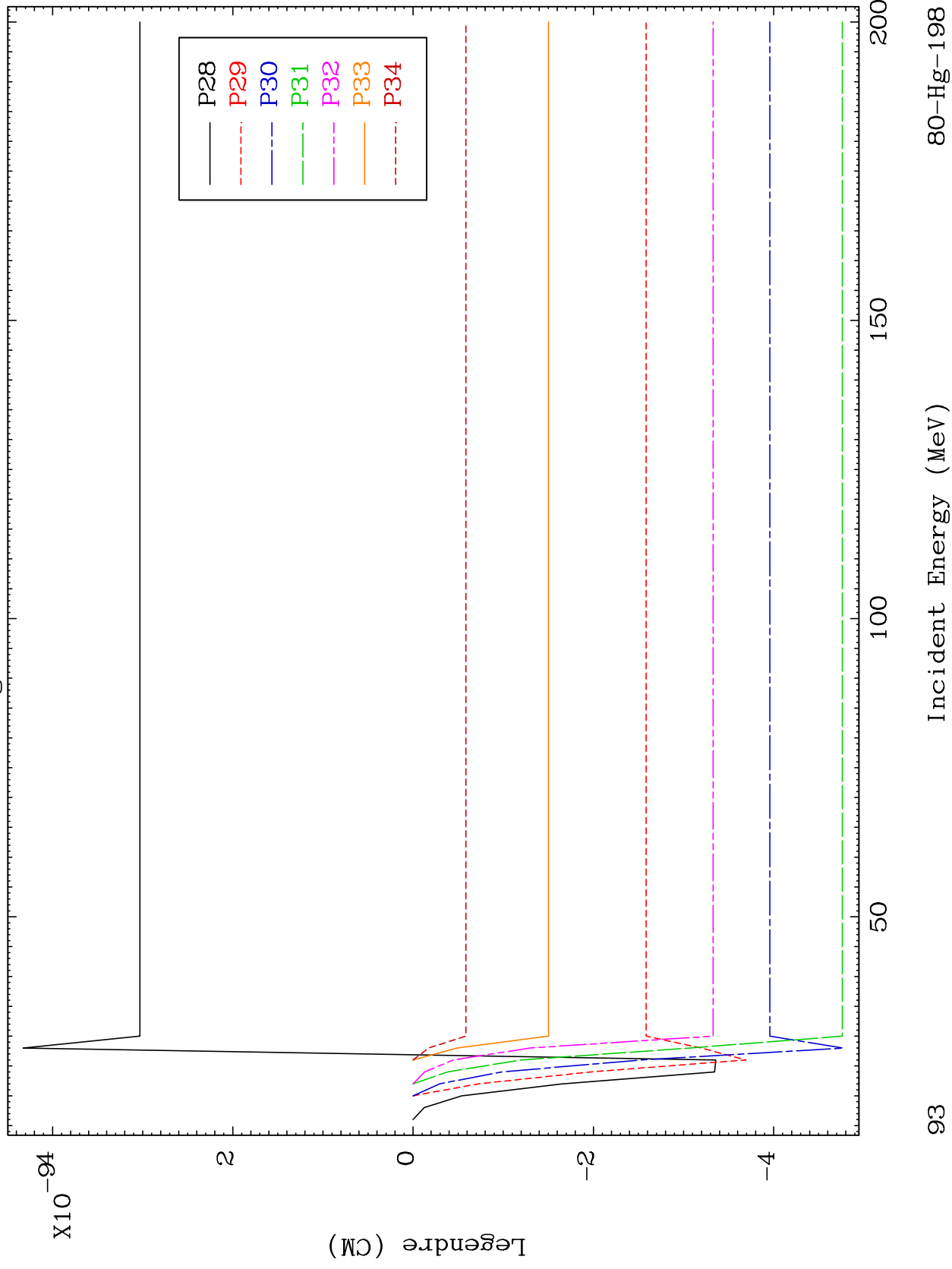
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198

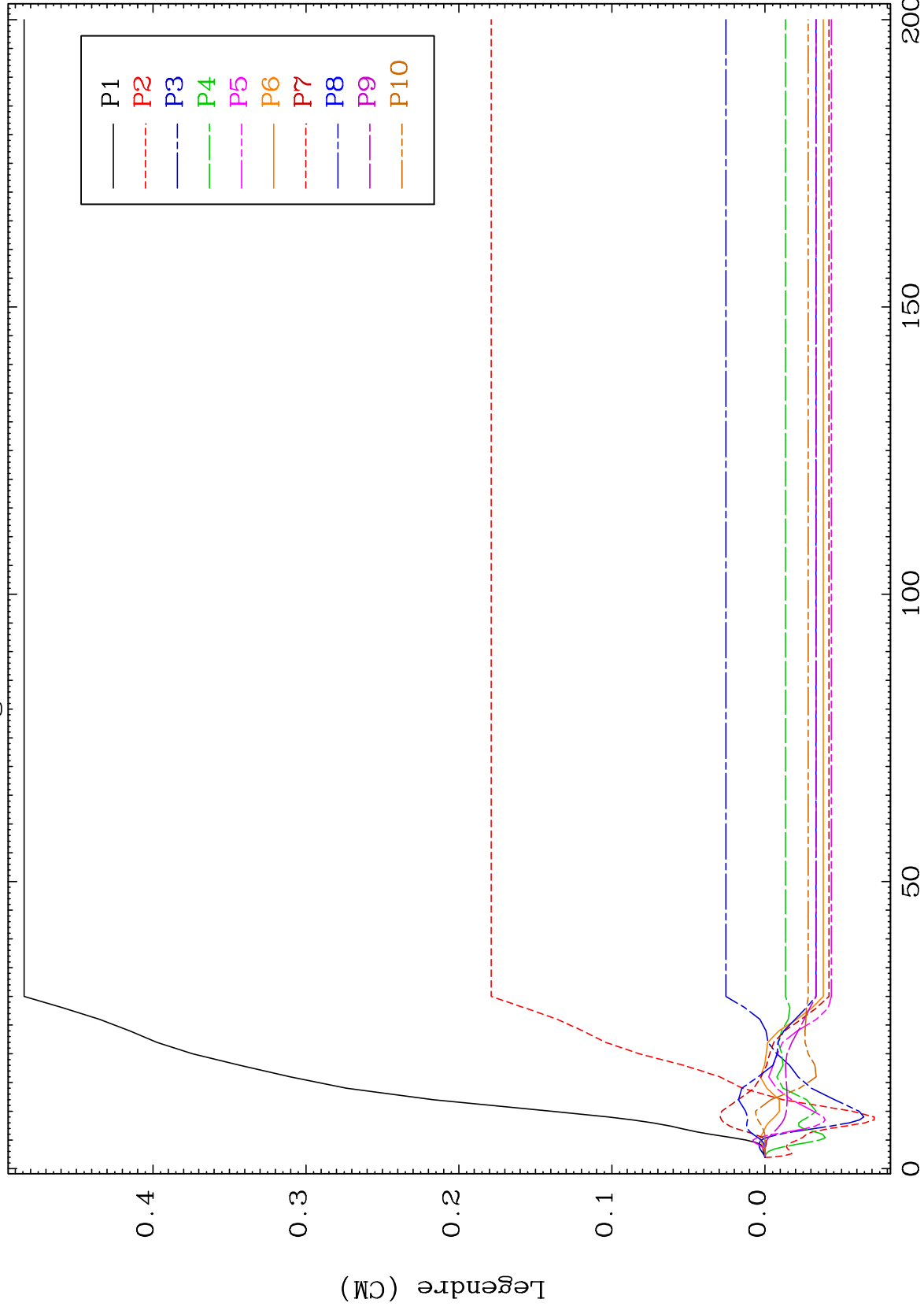


93

MAT 8031

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

80-Hg-198



94

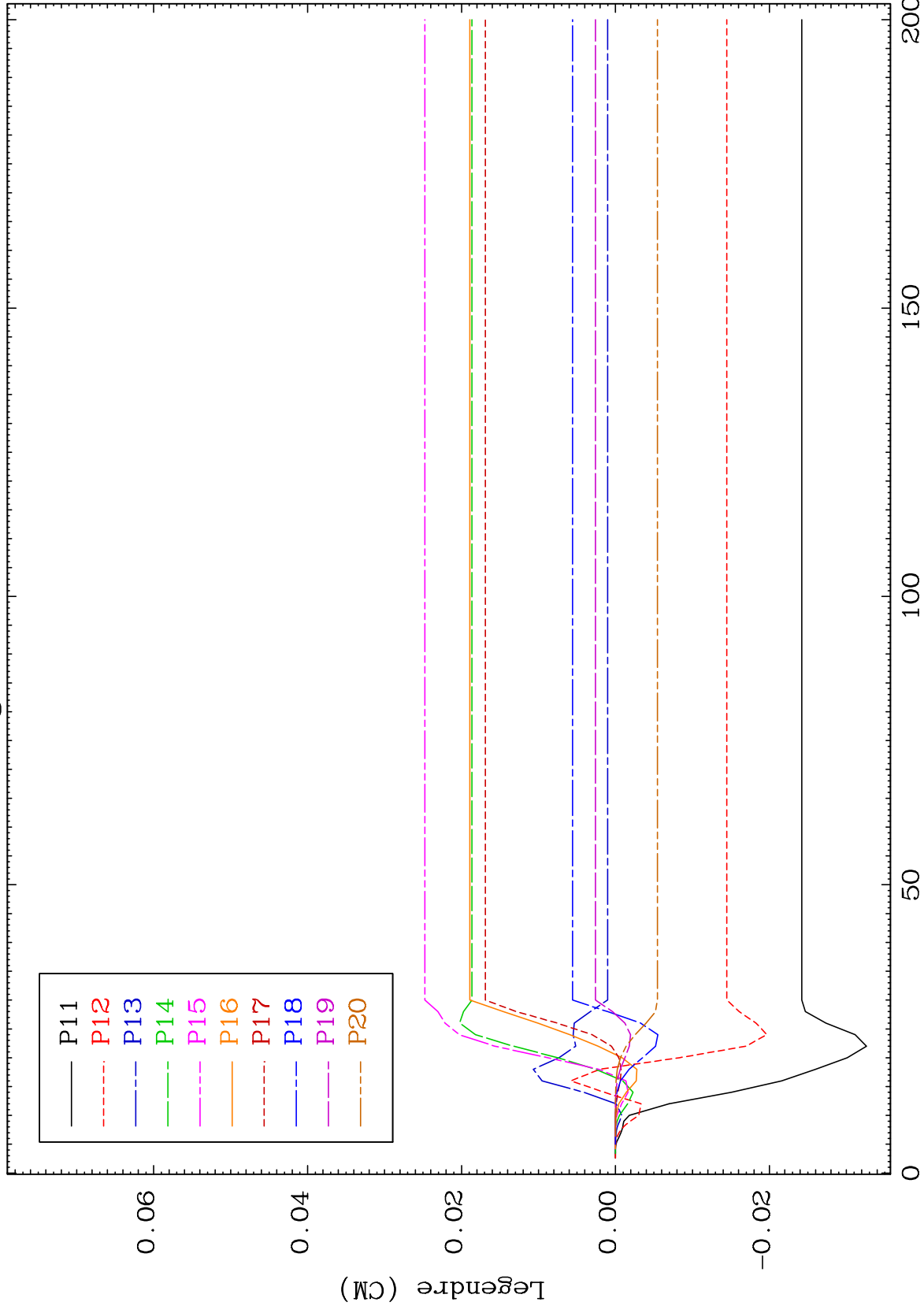
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198

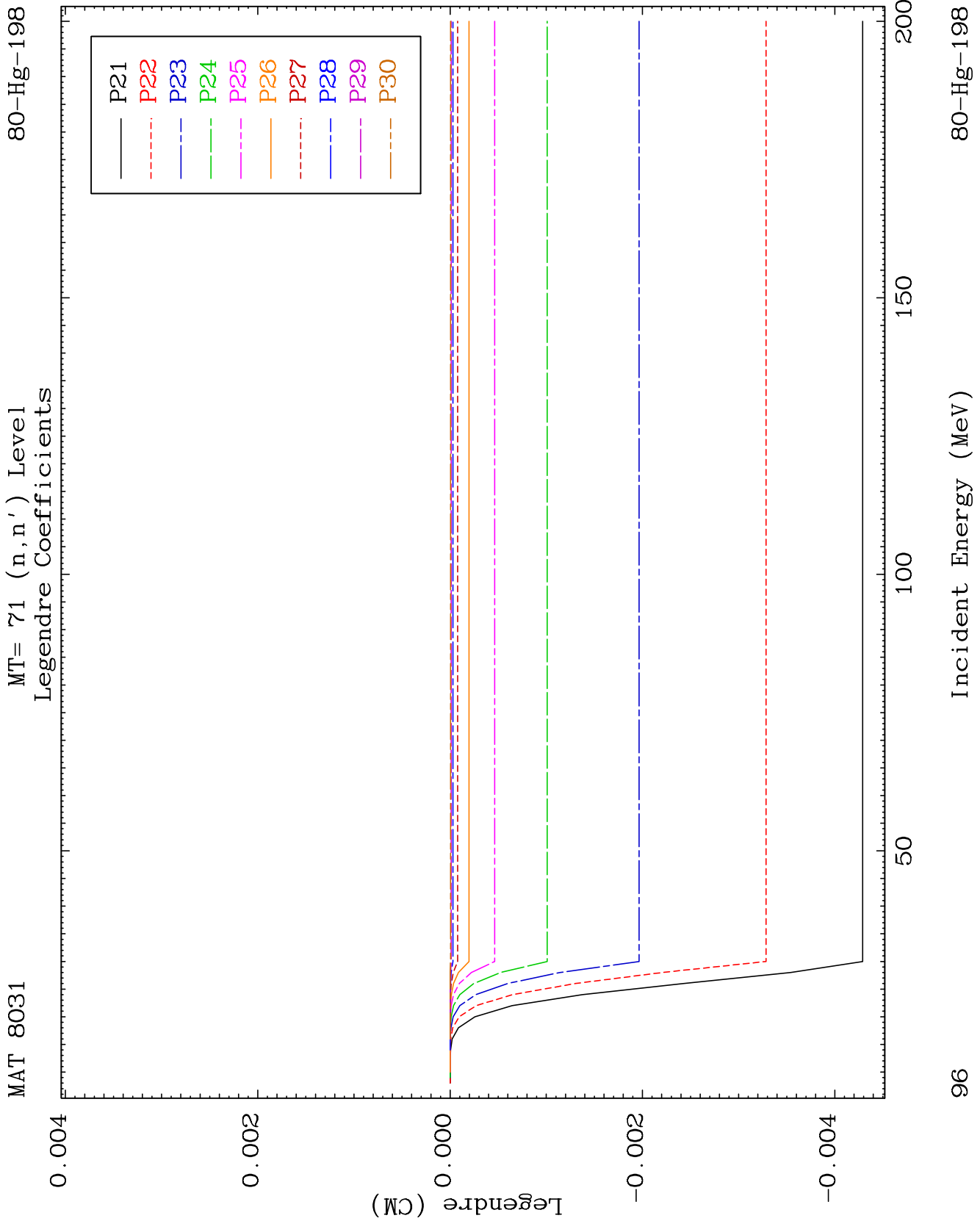


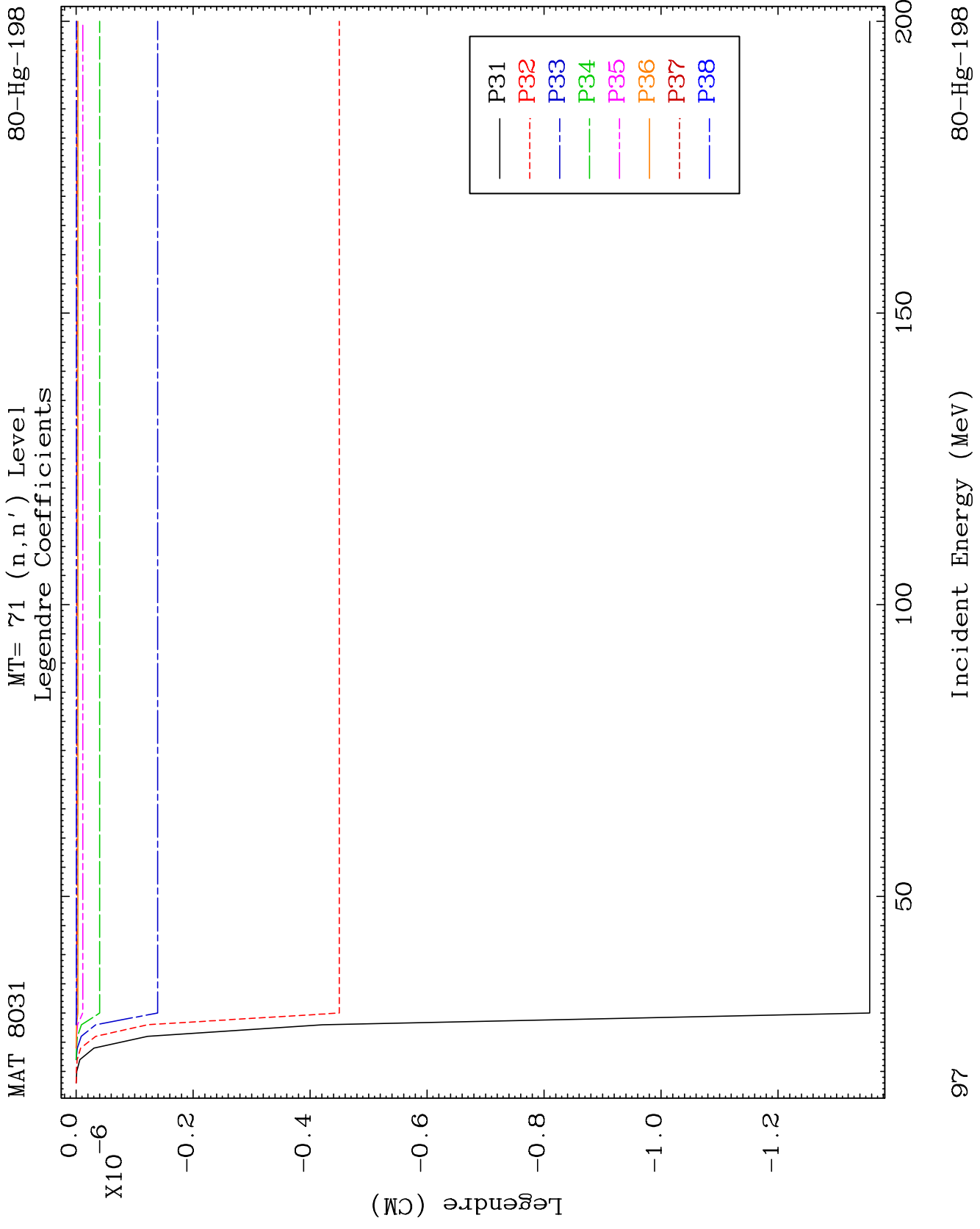
95

Incident Energy (MeV)

80-Hg-198



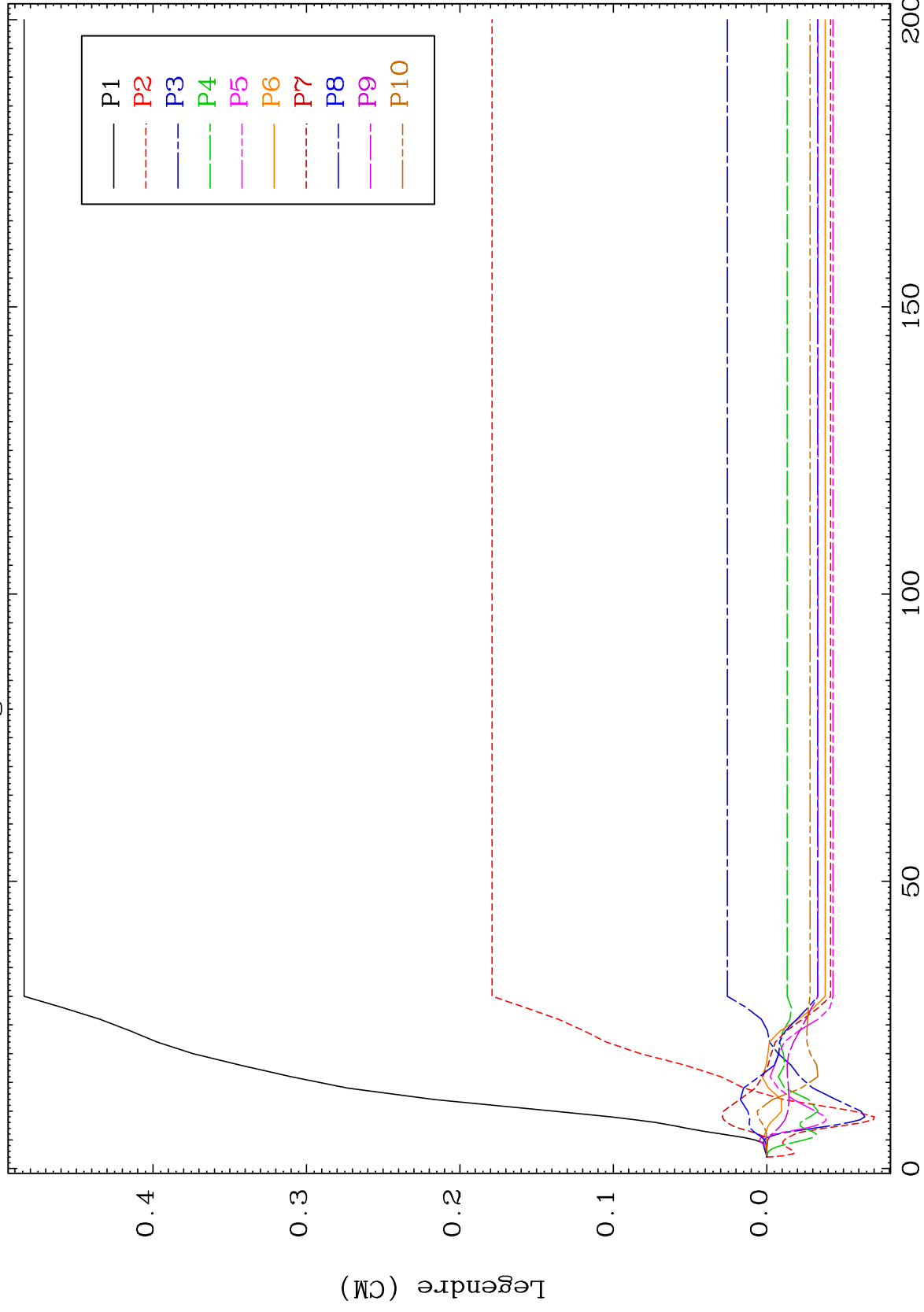




MAT 8031

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

80-Hg-198



98

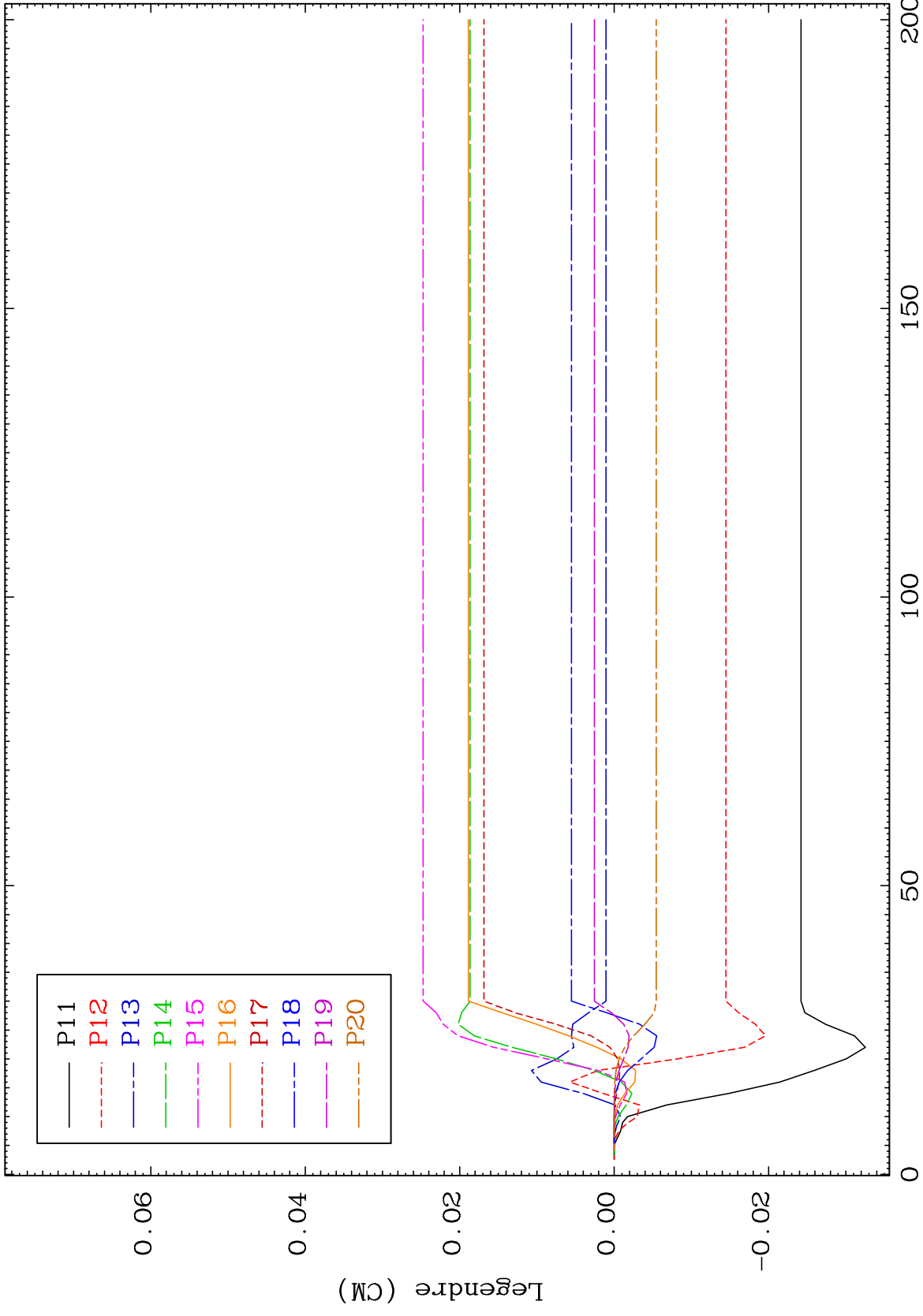
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

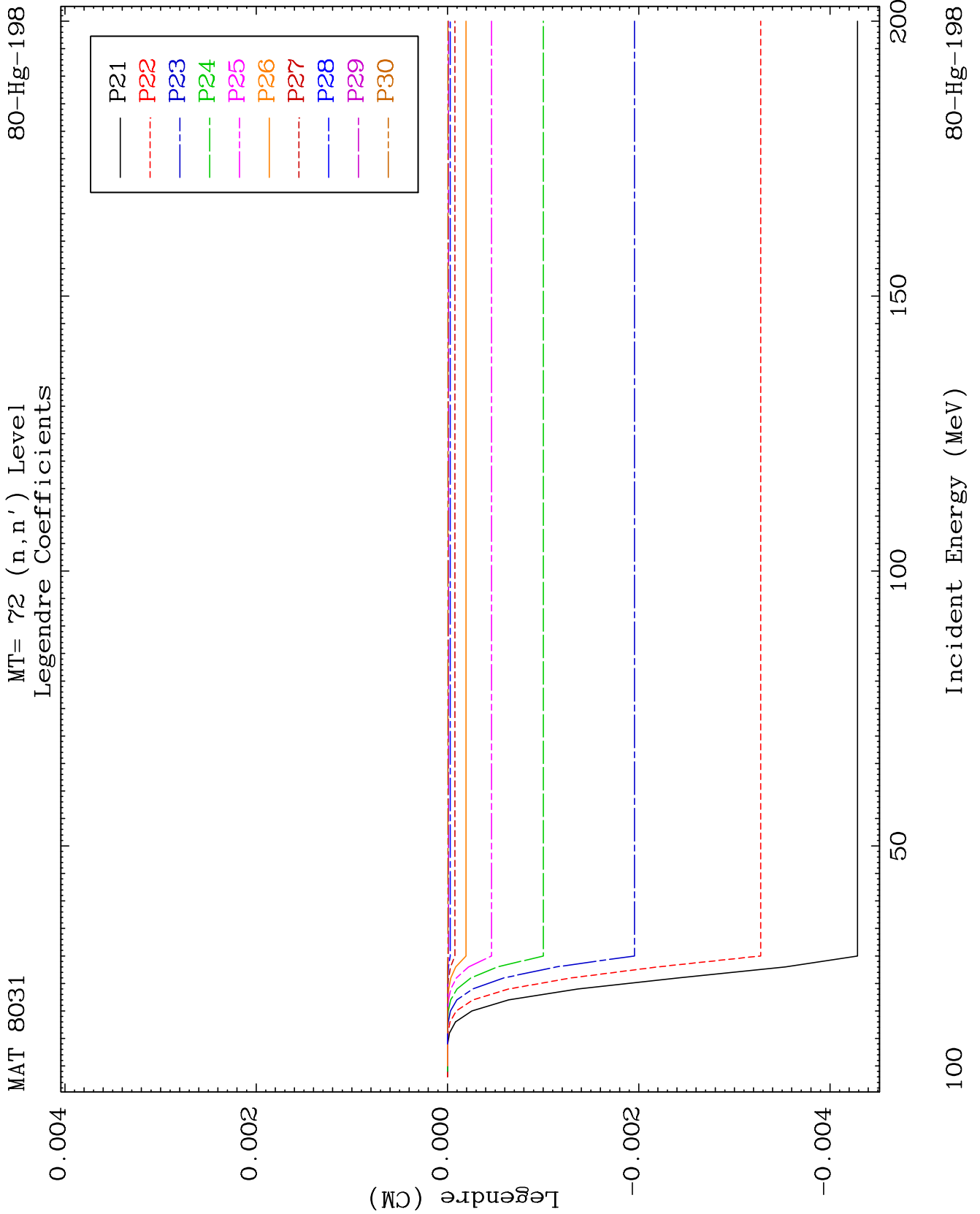
80-Hg-198

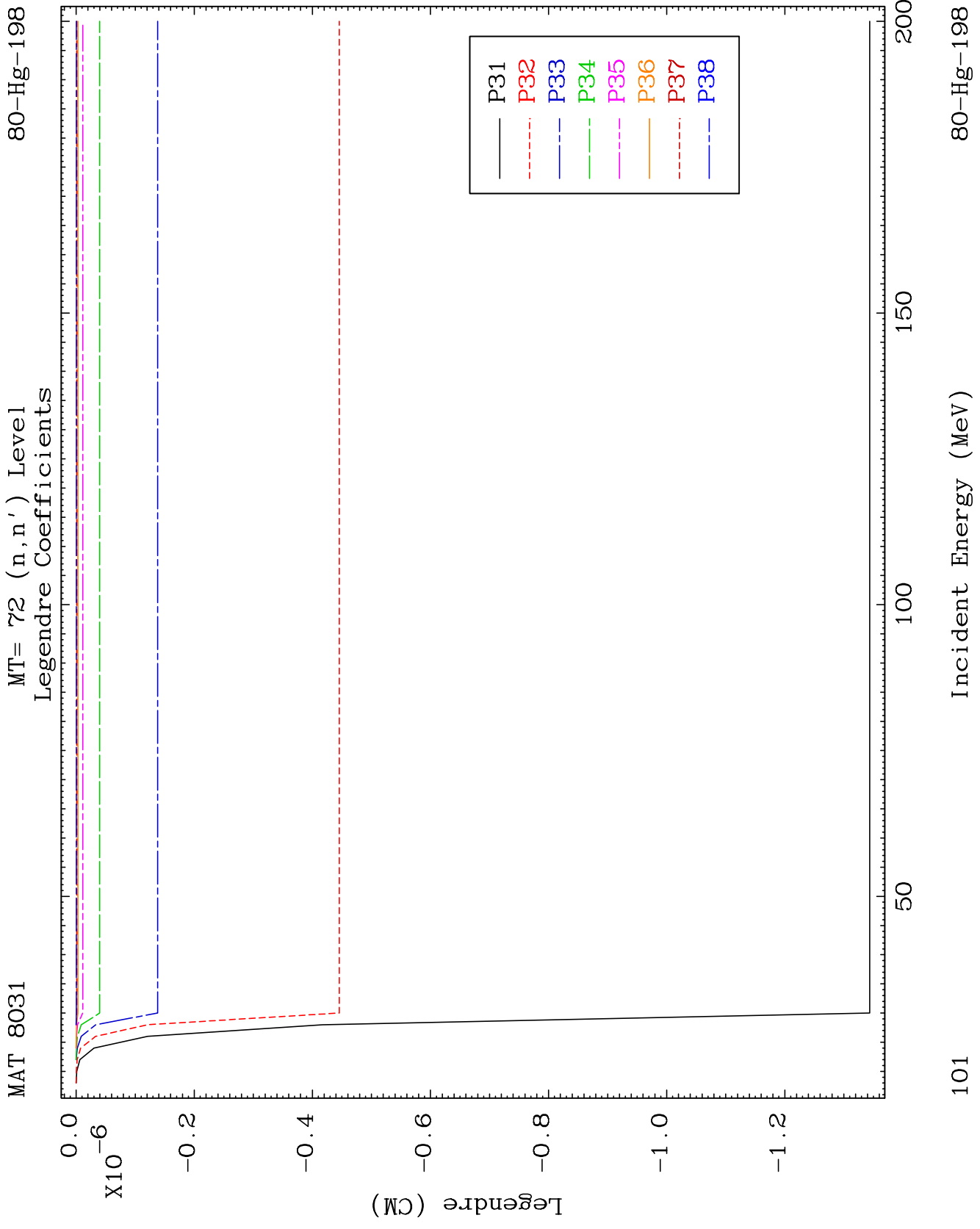


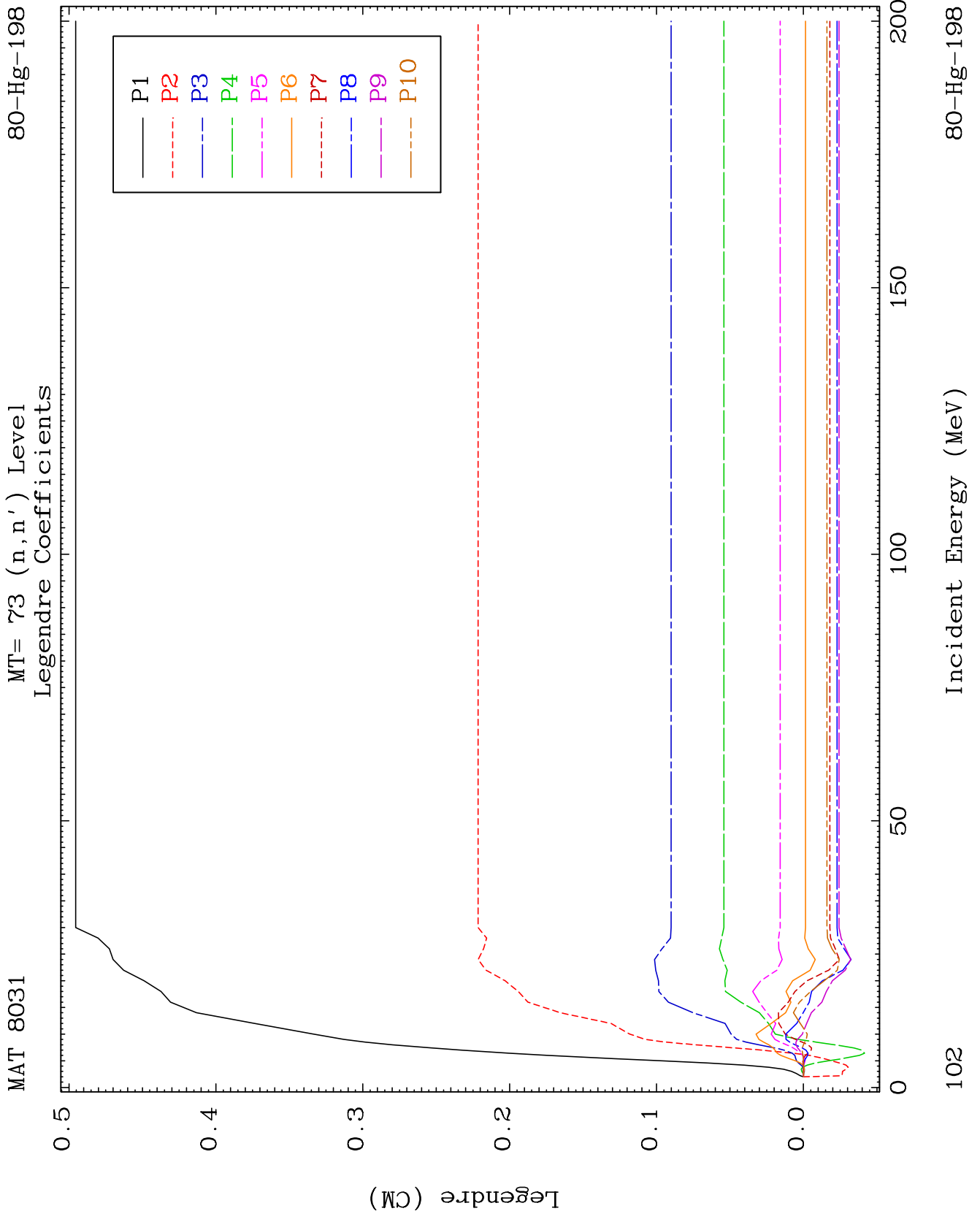
99

Incident Energy (MeV)

80-Hg-198



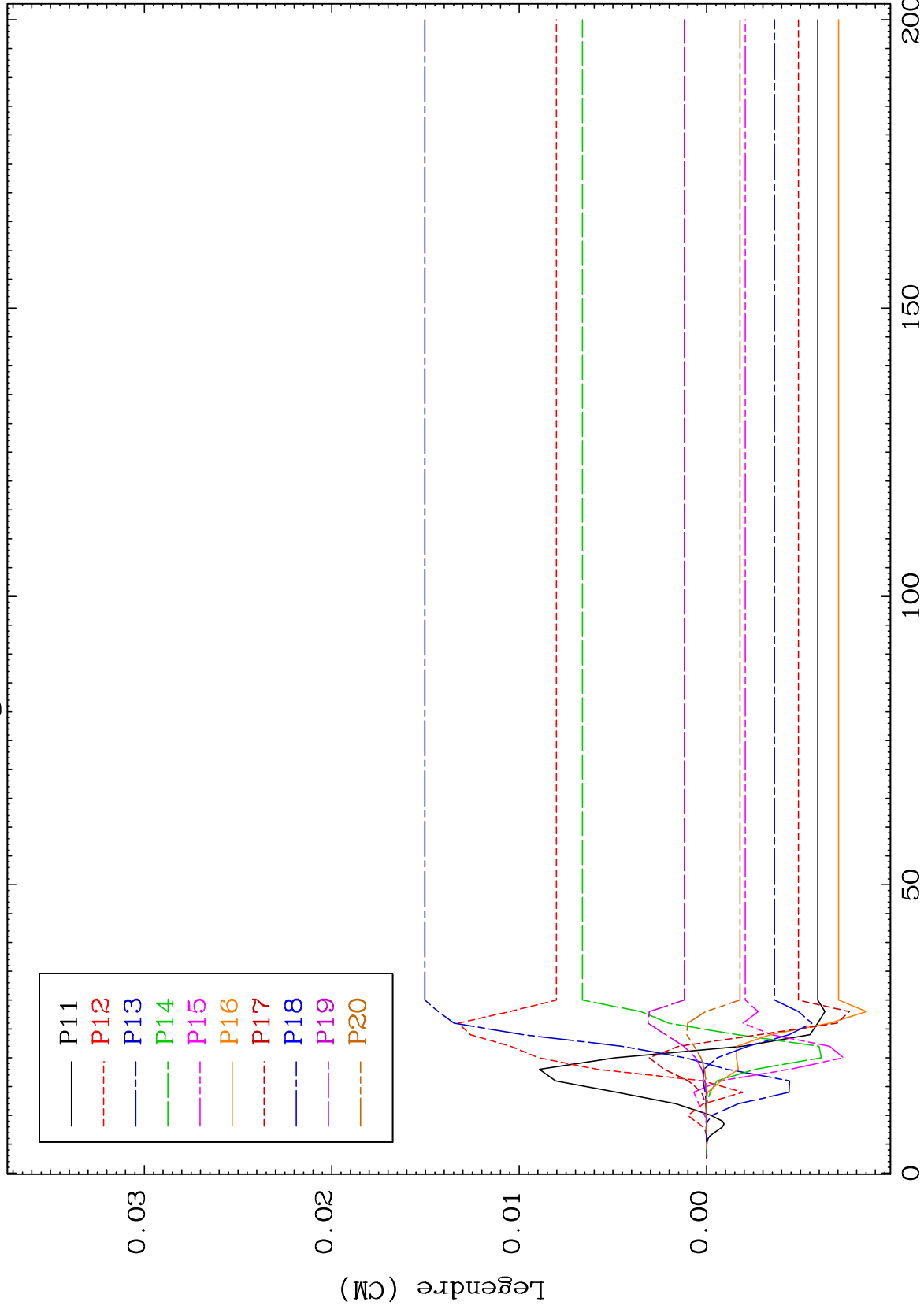




MAT 8031

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

80-Hg-198



103

Incident Energy (MeV)

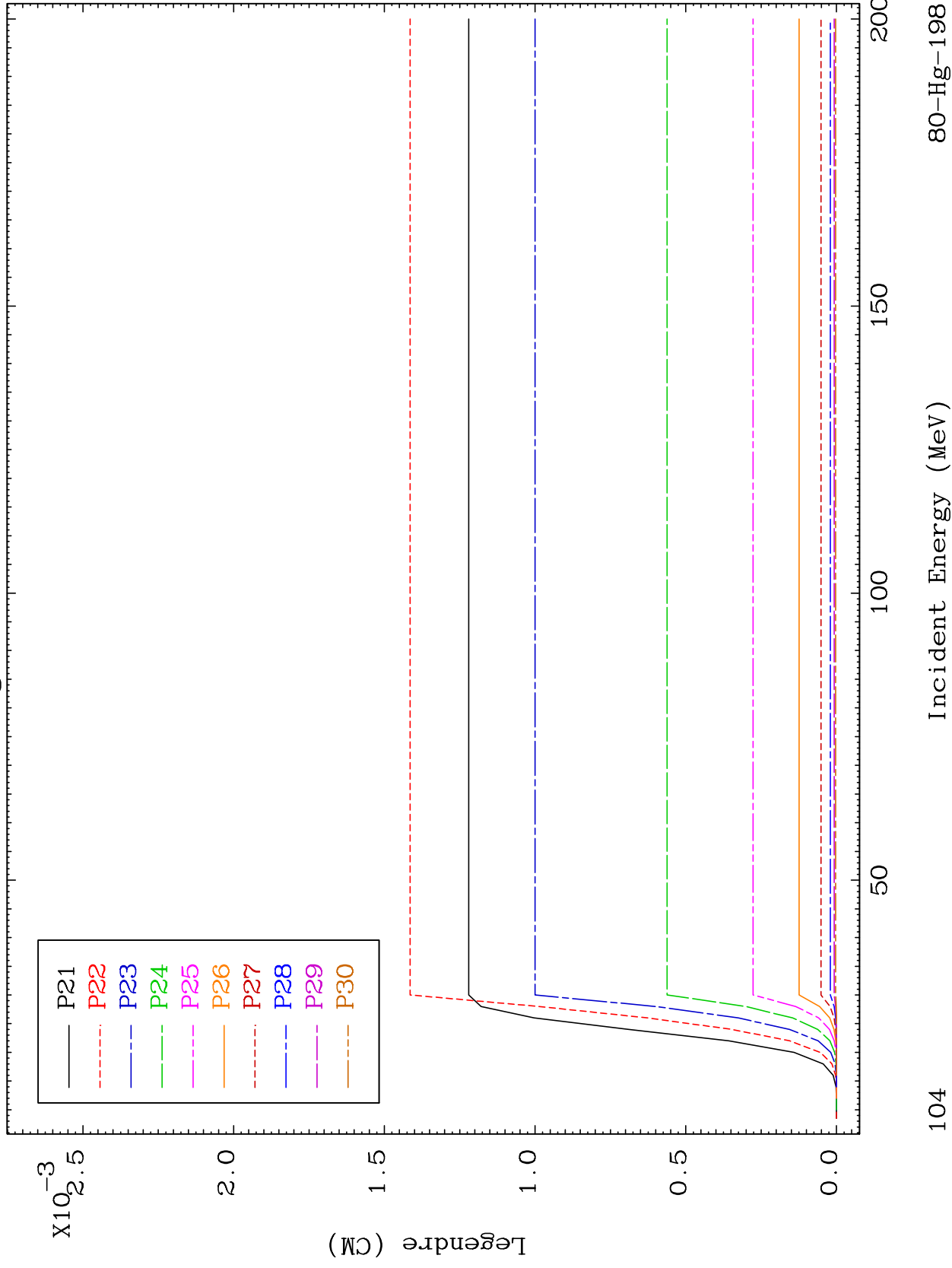
80-Hg-198

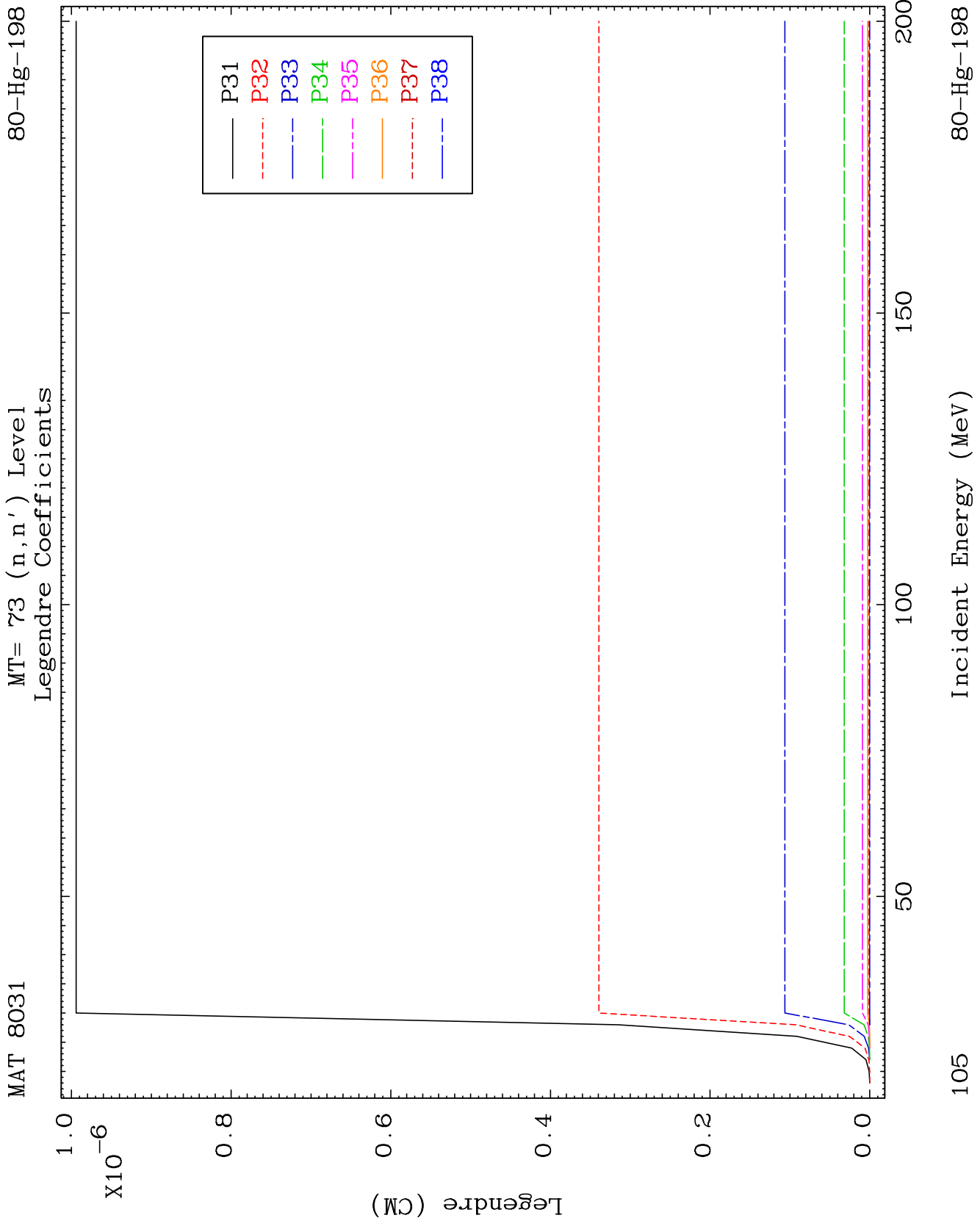


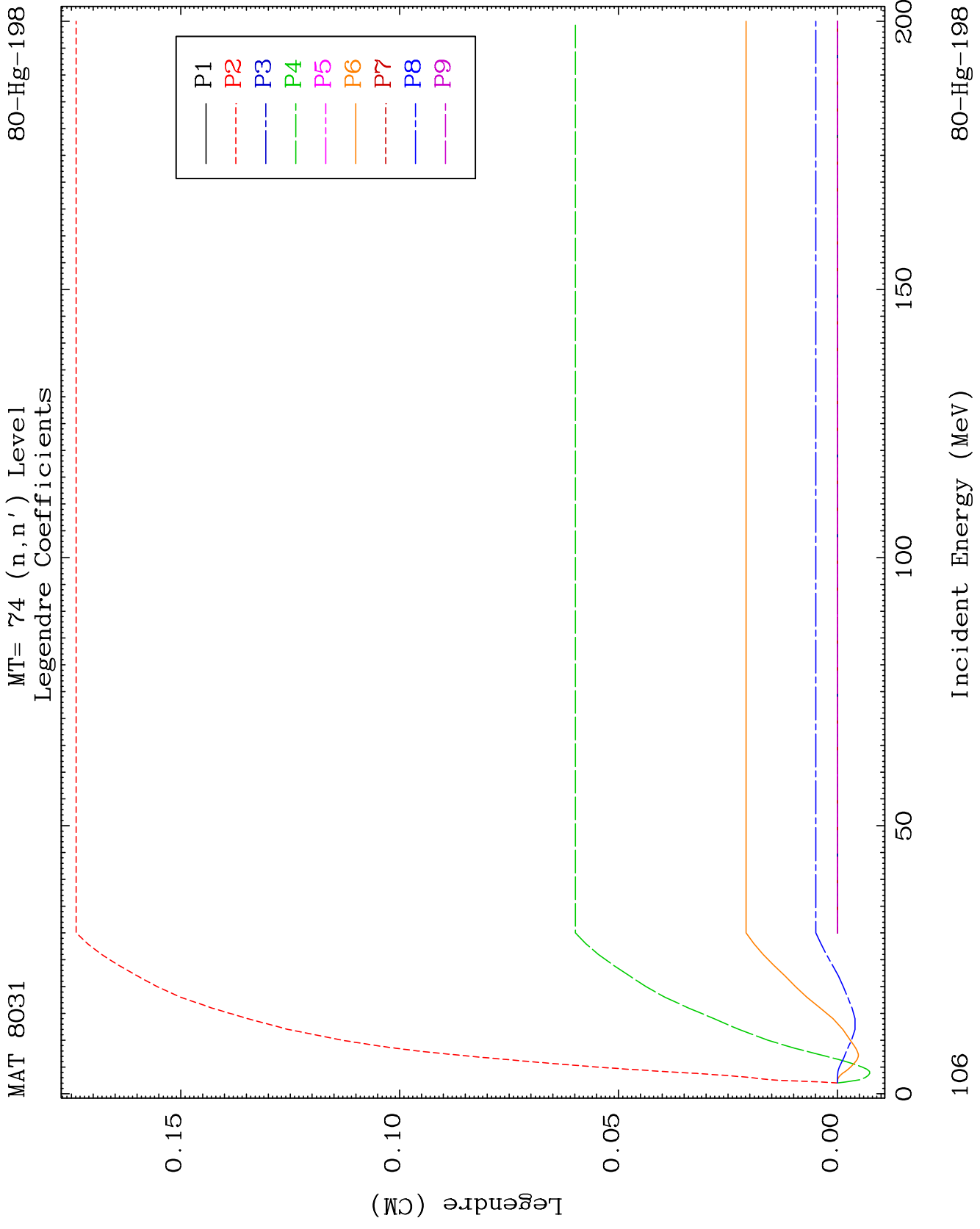
MAT 8031

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

80-Hg-198



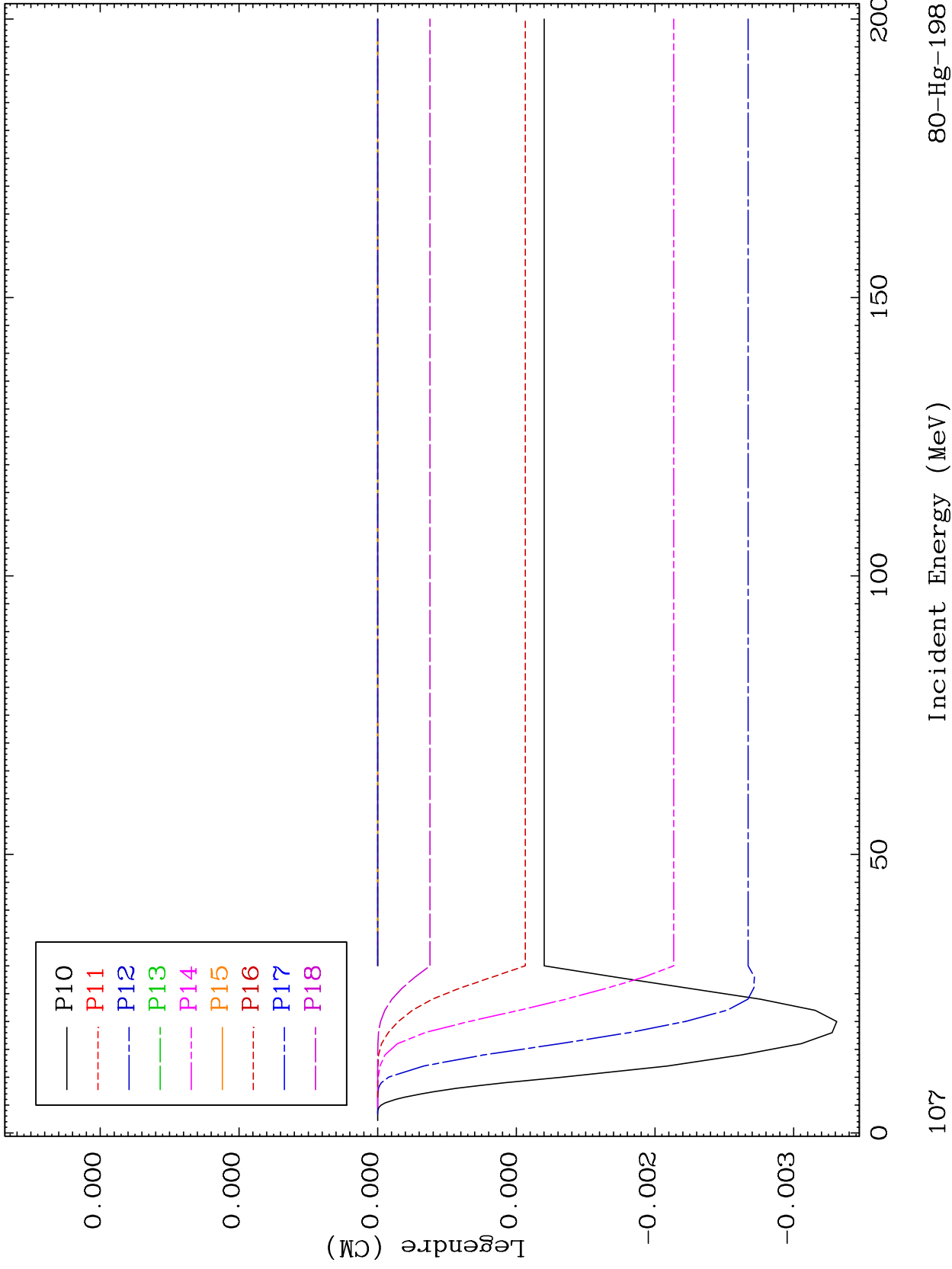


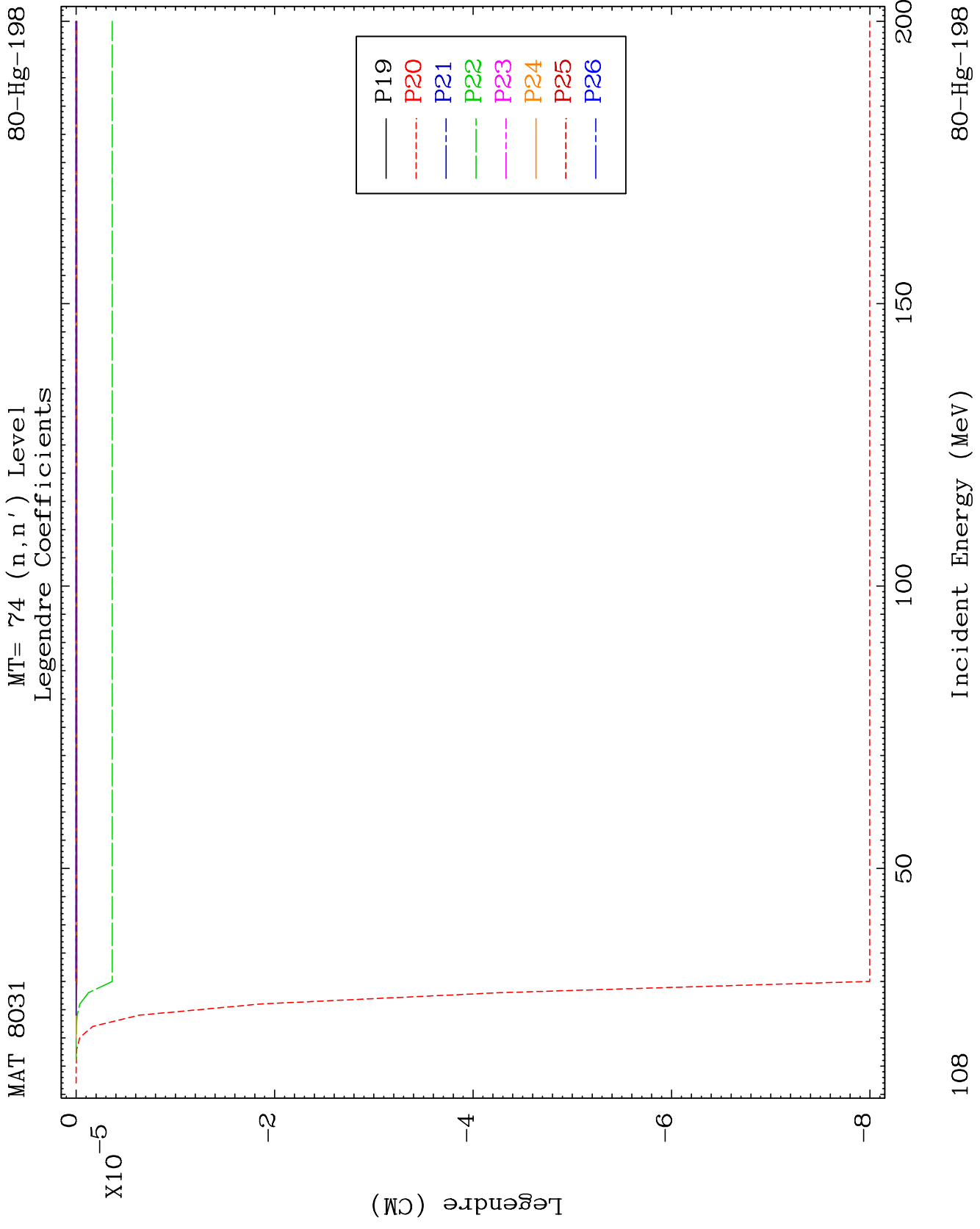


MAT 8031

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

80-Hg-198

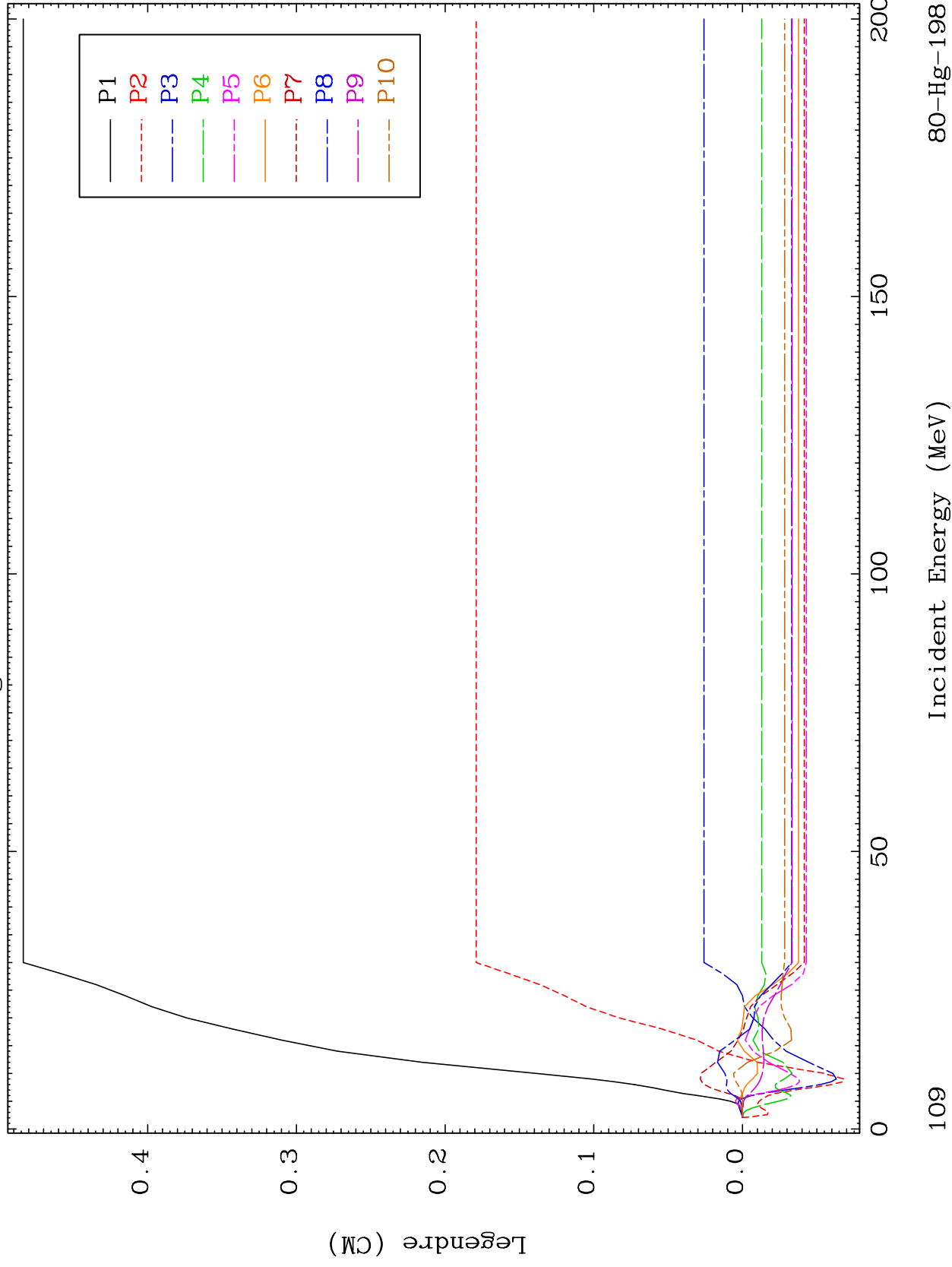




MAT 8031

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

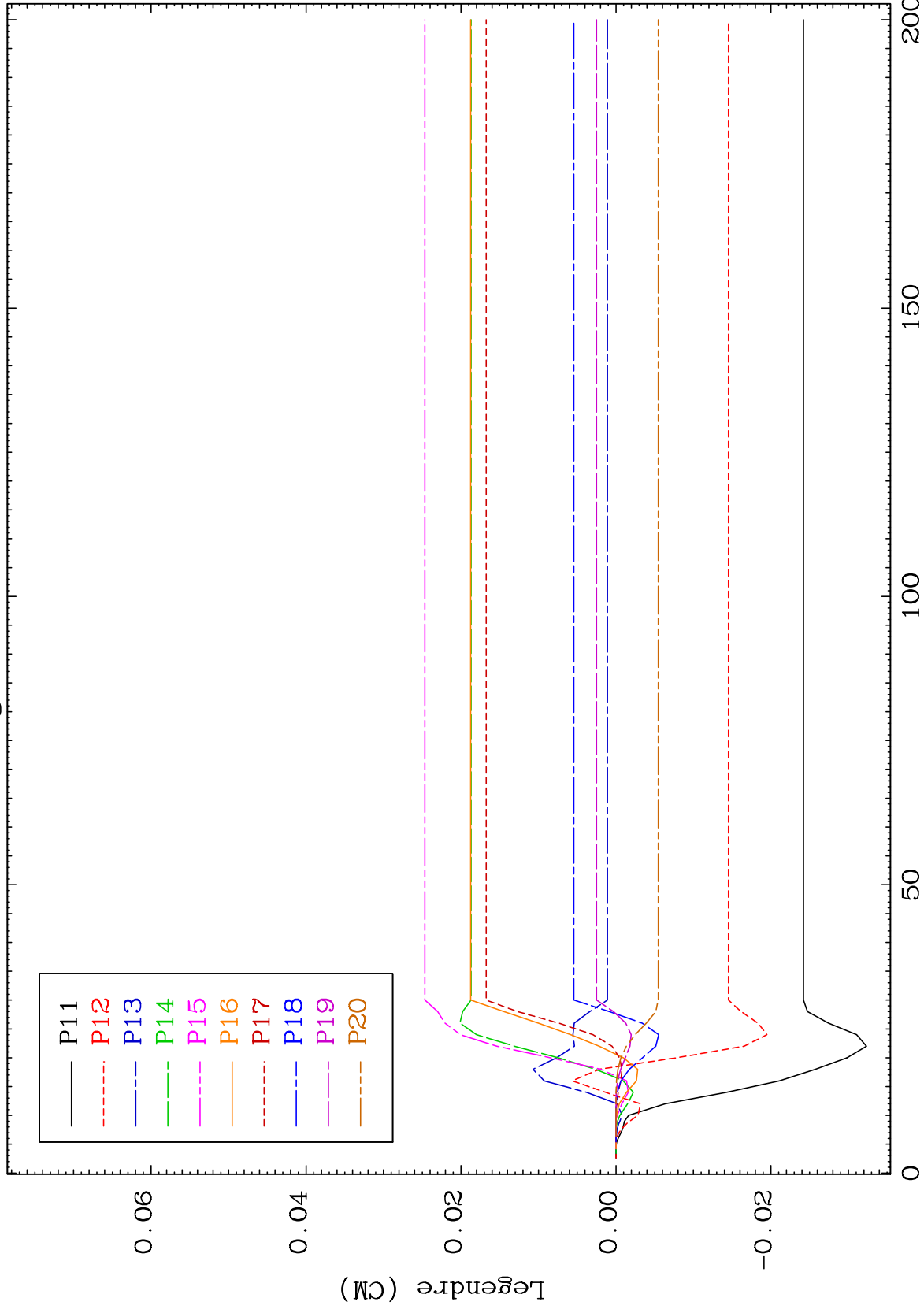
80-Hg-198



MAT 8031

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

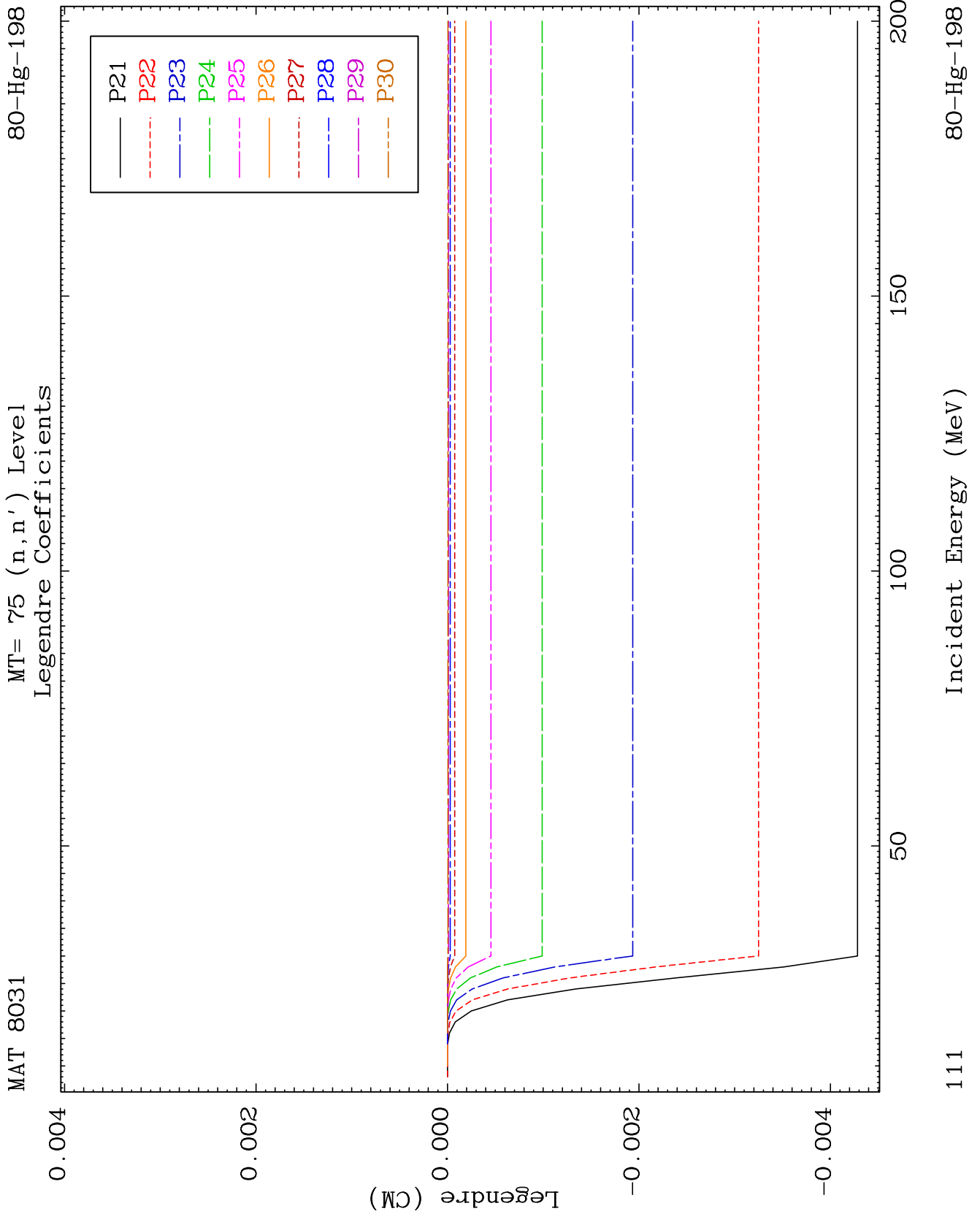
80-Hg-198



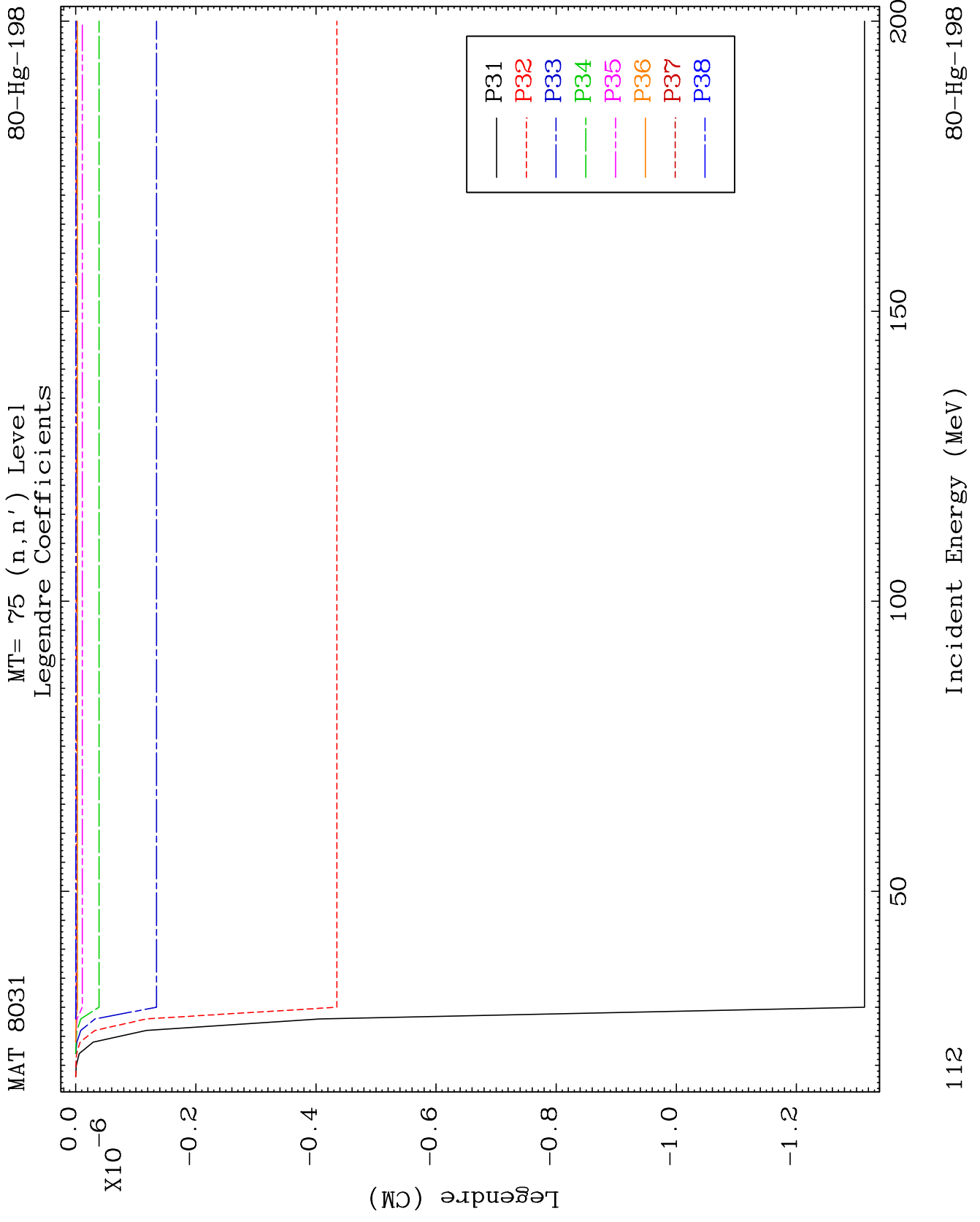
110

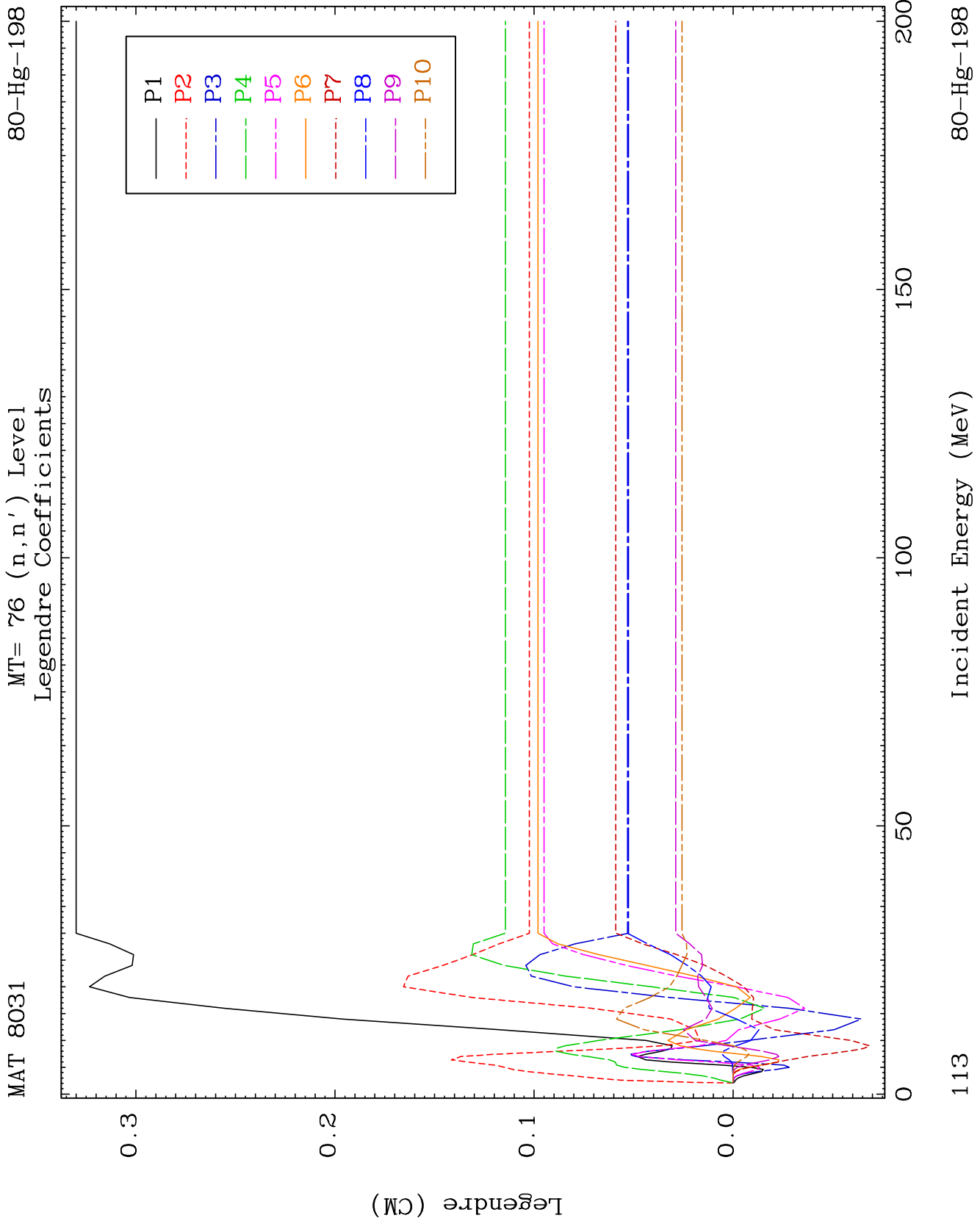
Incident Energy (MeV)

80-Hg-198





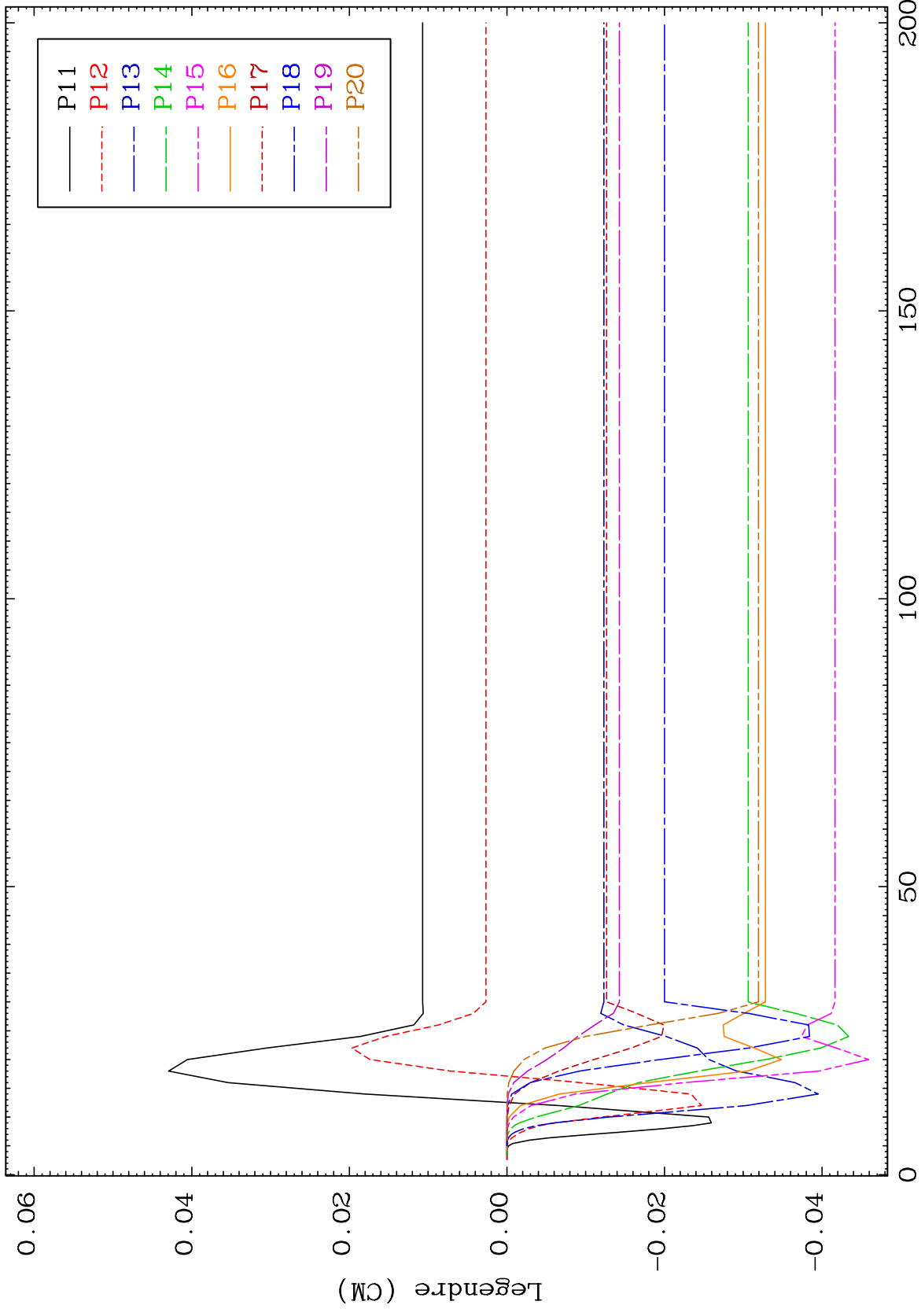




MAT 8031

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

80-Hg-198



114

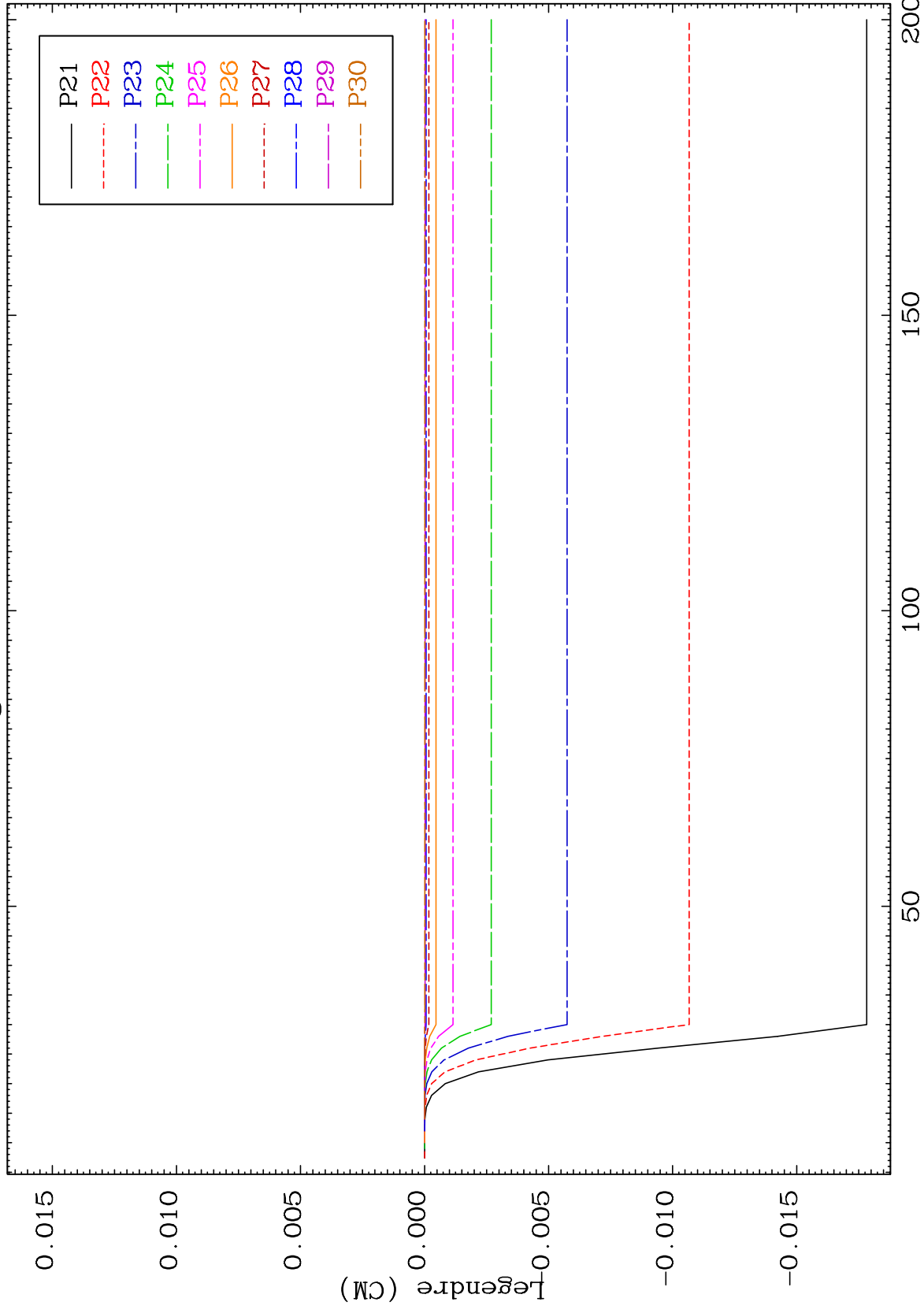
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

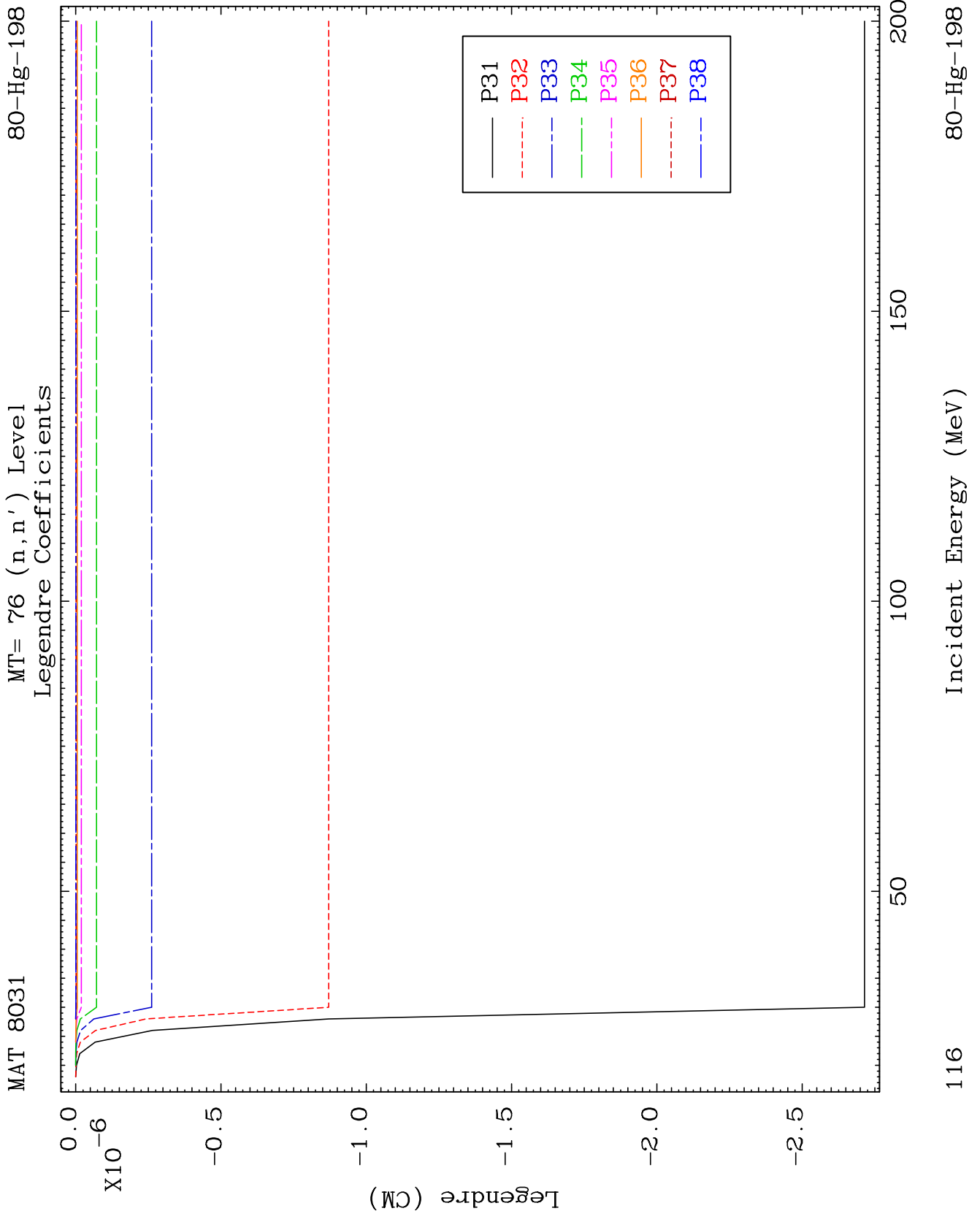
80-Hg-198



115

Incident Energy (MeV)

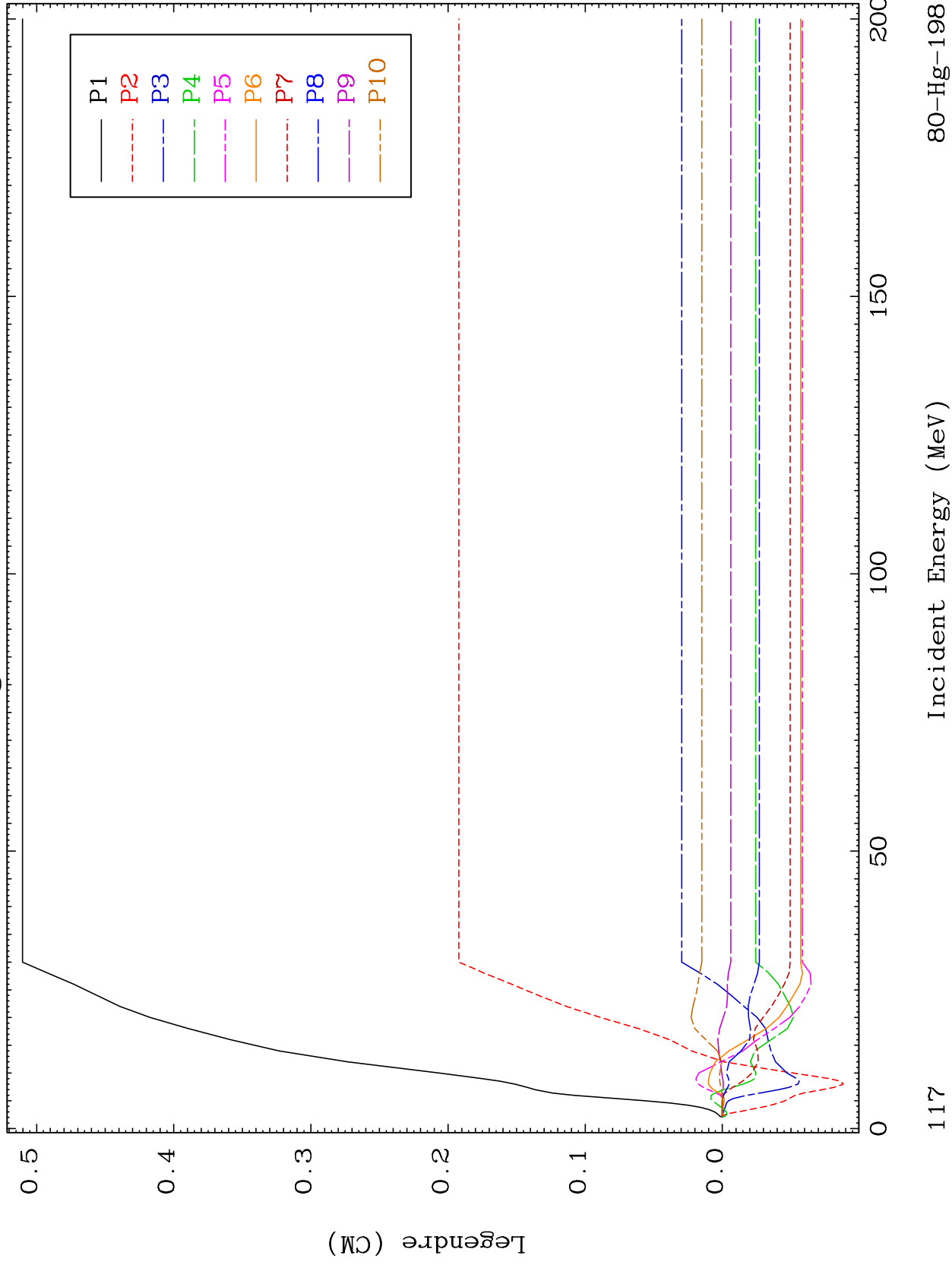
80-Hg-198



MAT 8031

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

80-Hg-198



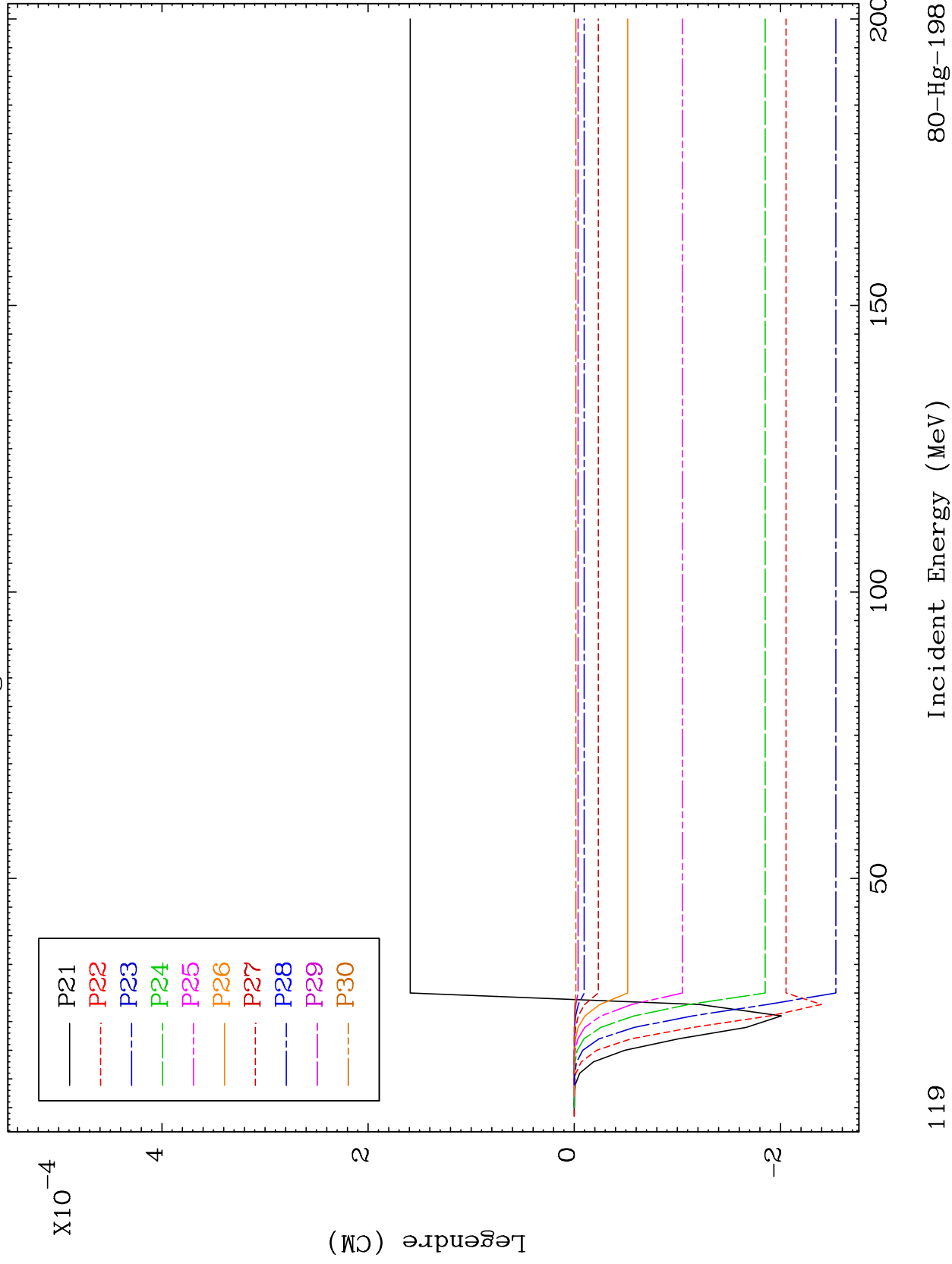
117



MAT 8031

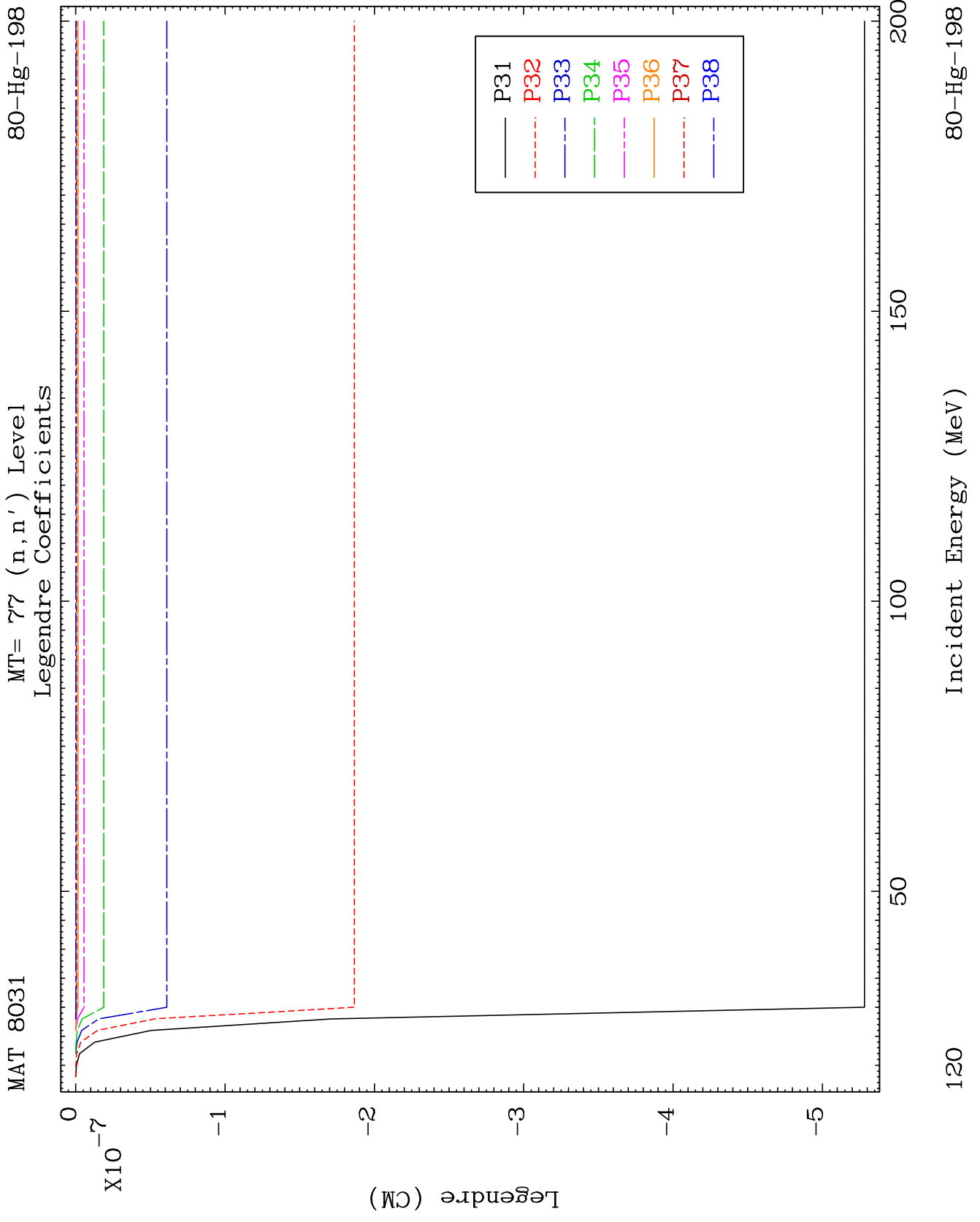
MT= 77 (n,n') Level  
Legendre Coefficients

80-Hg-198

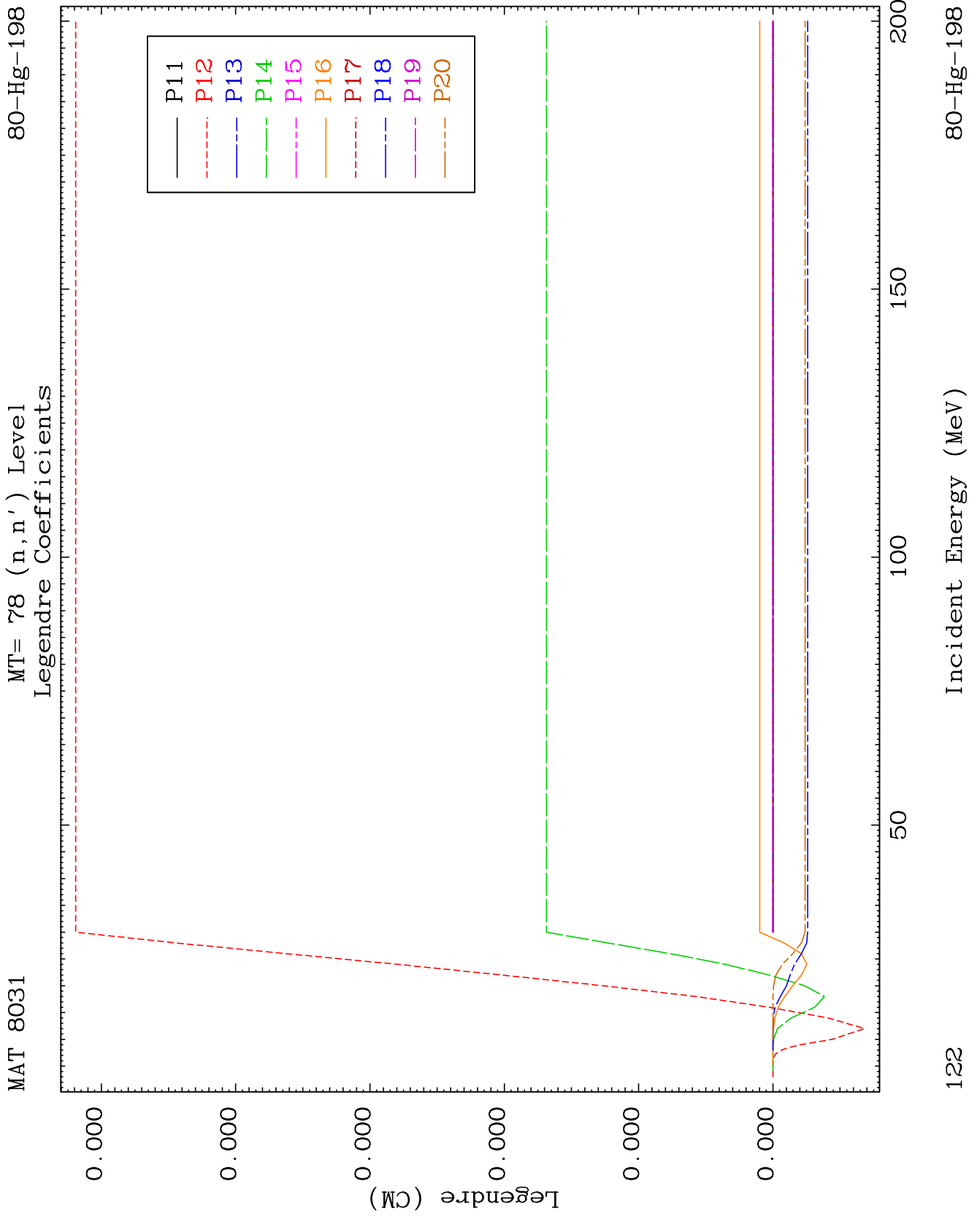


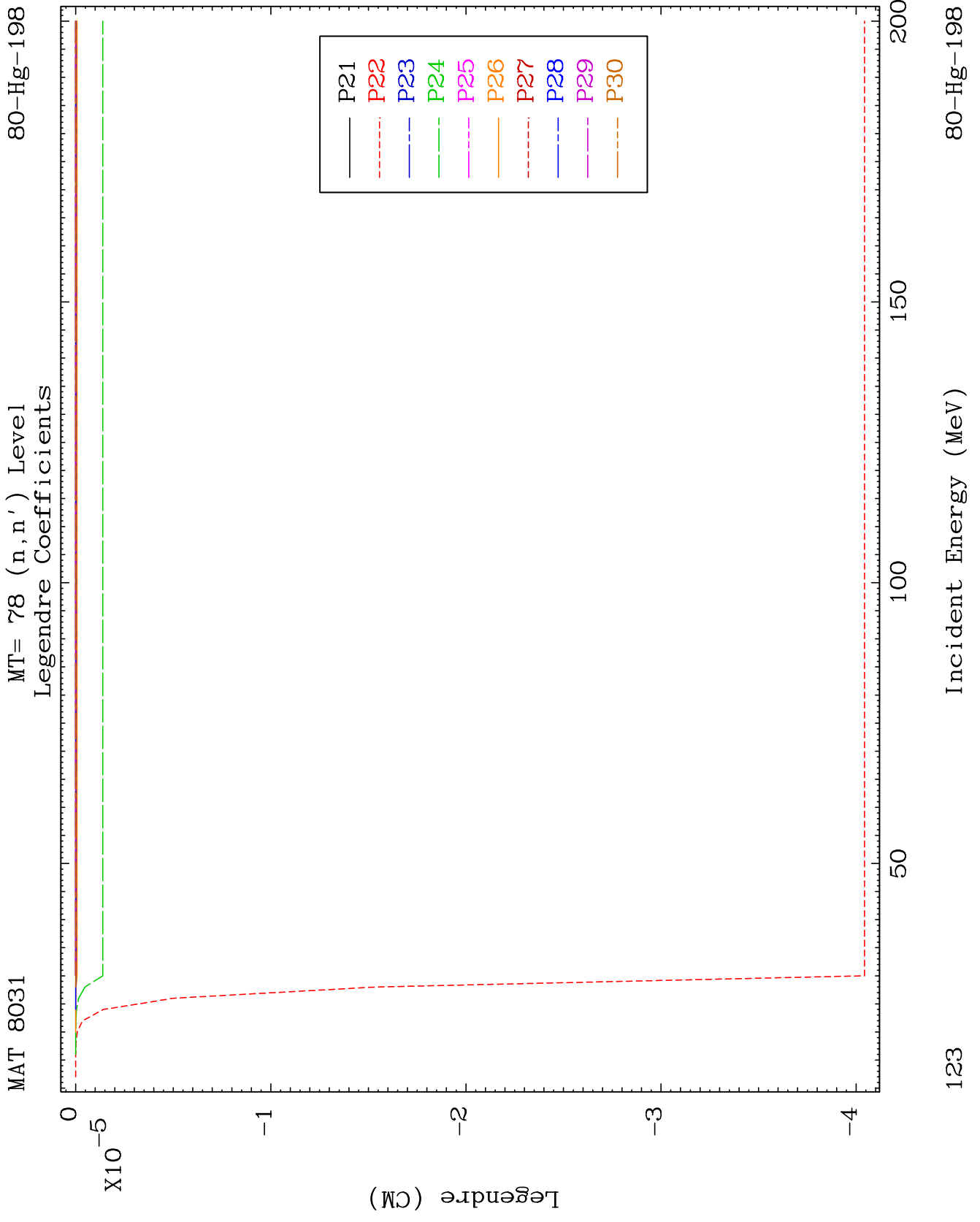
119







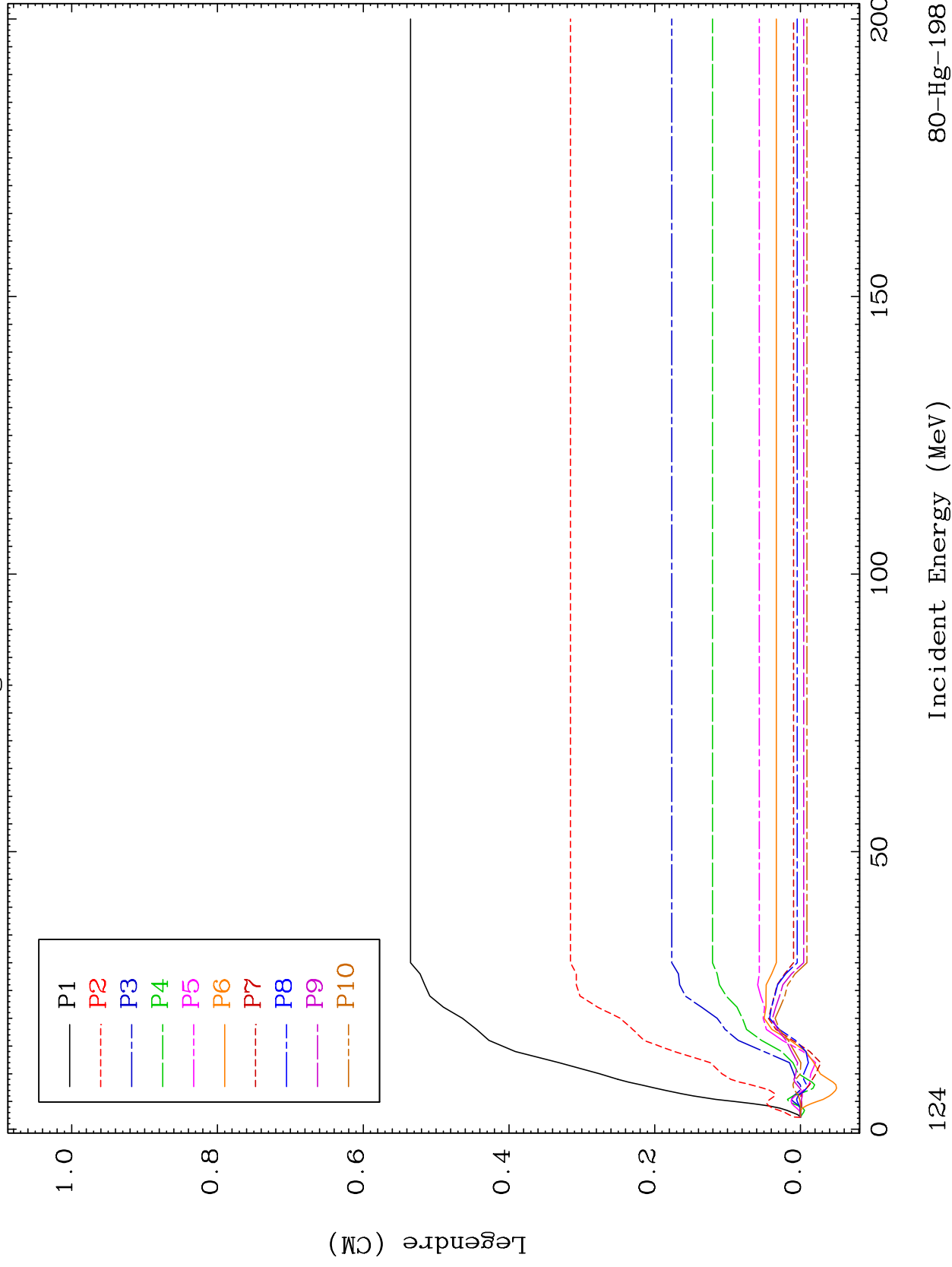




MAT 8031

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

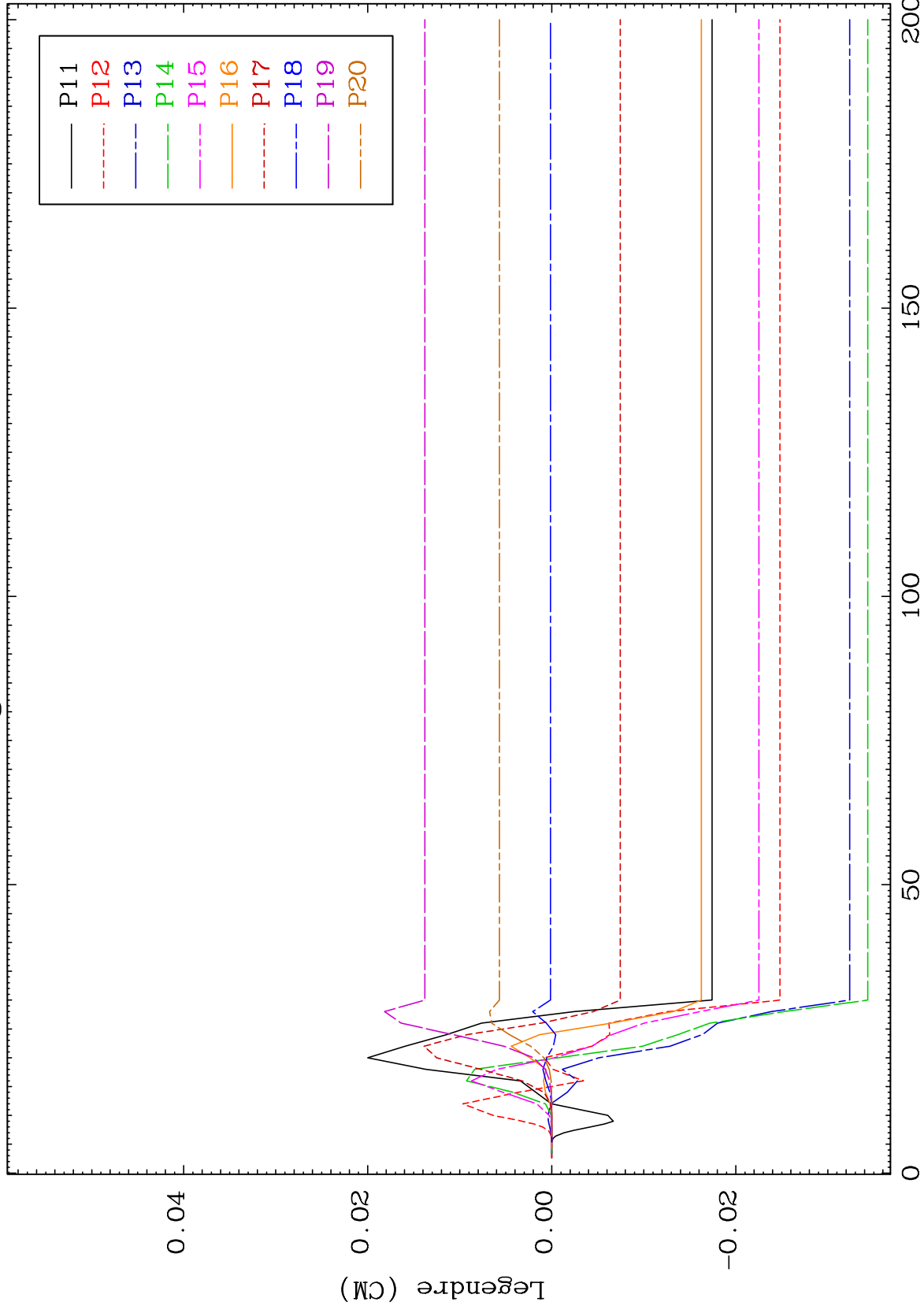
80-Hg-198



MAT 8031

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

80-Hg-198



80-Hg-198

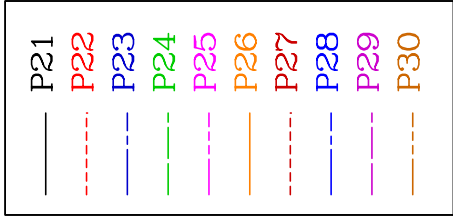
Incident Energy (MeV)

125

MAT 8031

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

80-Hg-198



0.015

Legendre (CM)

0.005

0.000

50

100

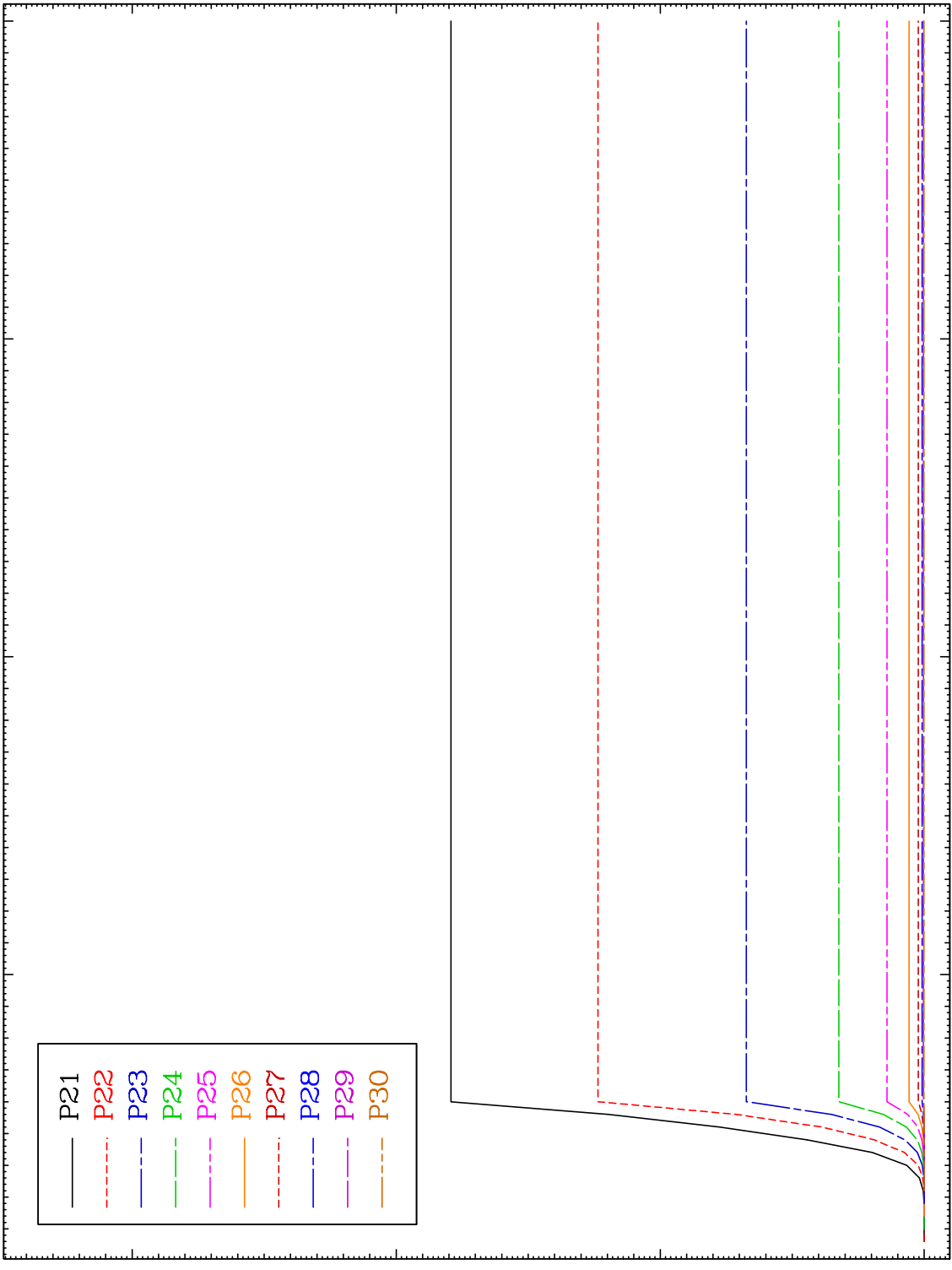
150

200

126

Incident Energy (MeV)

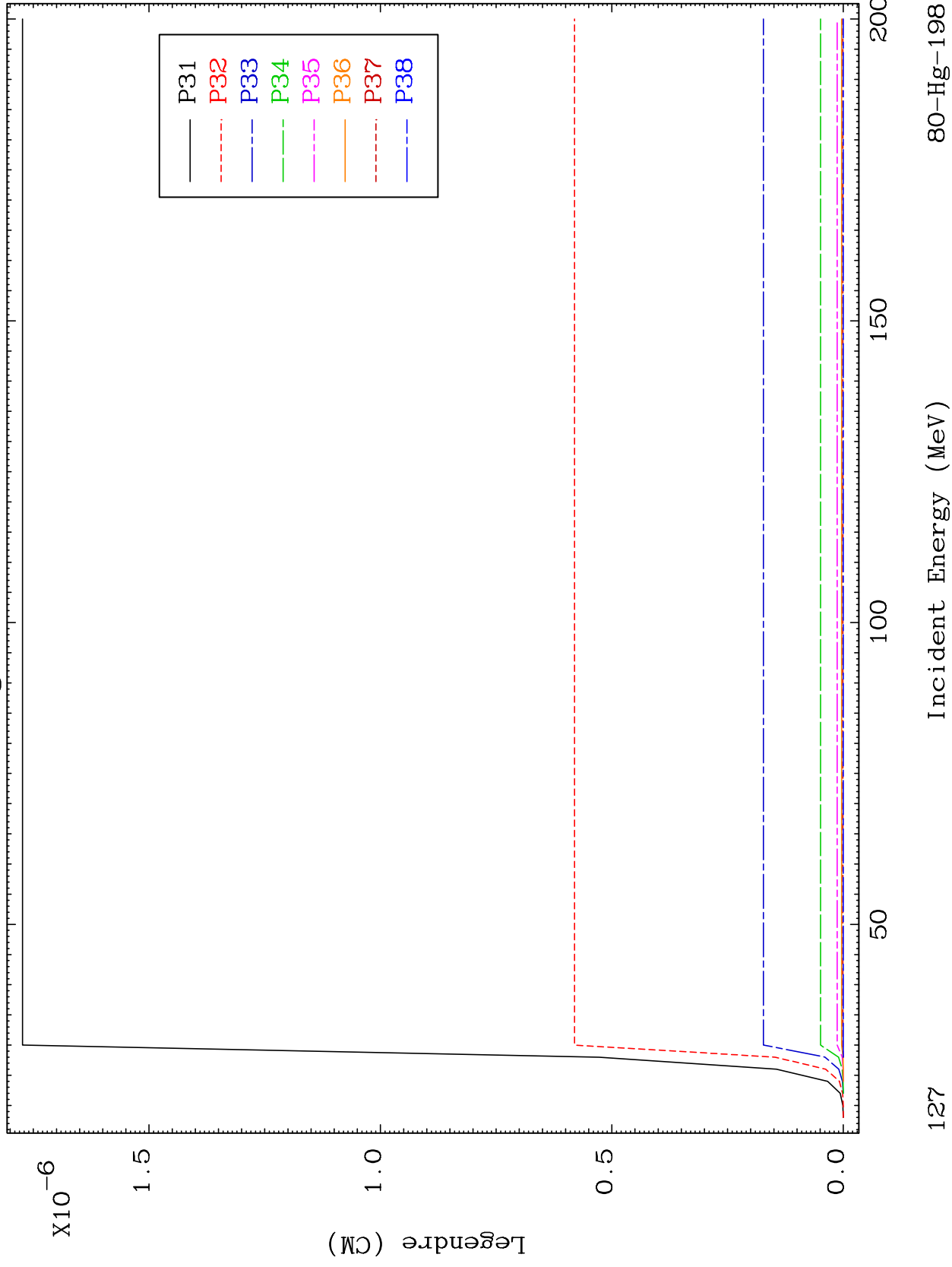
80-Hg-198



MAT 8031

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

80-Hg-198



127

Incident Energy (MeV)

80-Hg-198

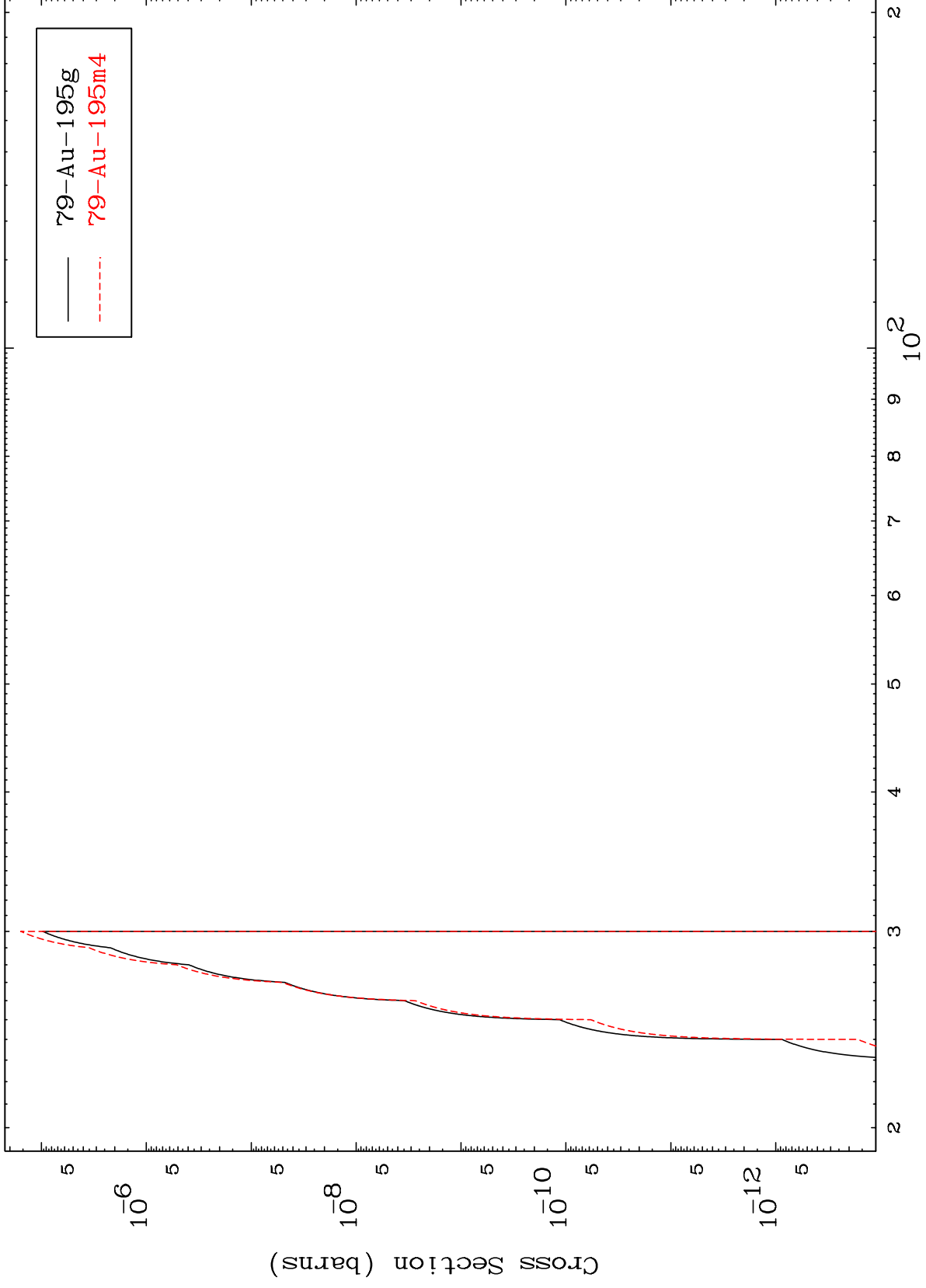


MAT 8031

(n,2n) d

80-Hg-198

Radionuclide Production Cross Section



128

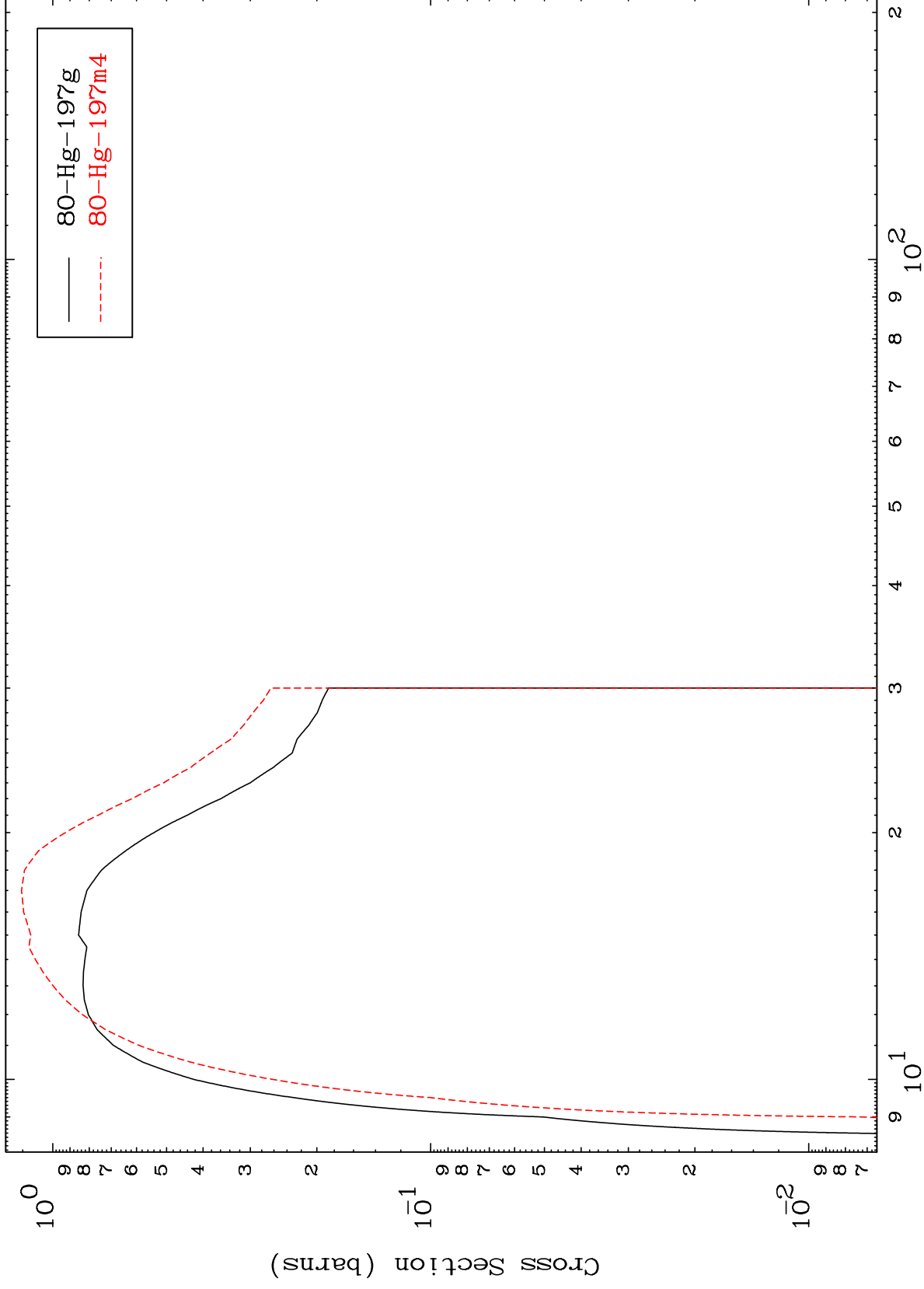
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

(n,2n)  
Radionuclide Production Cross Section



129

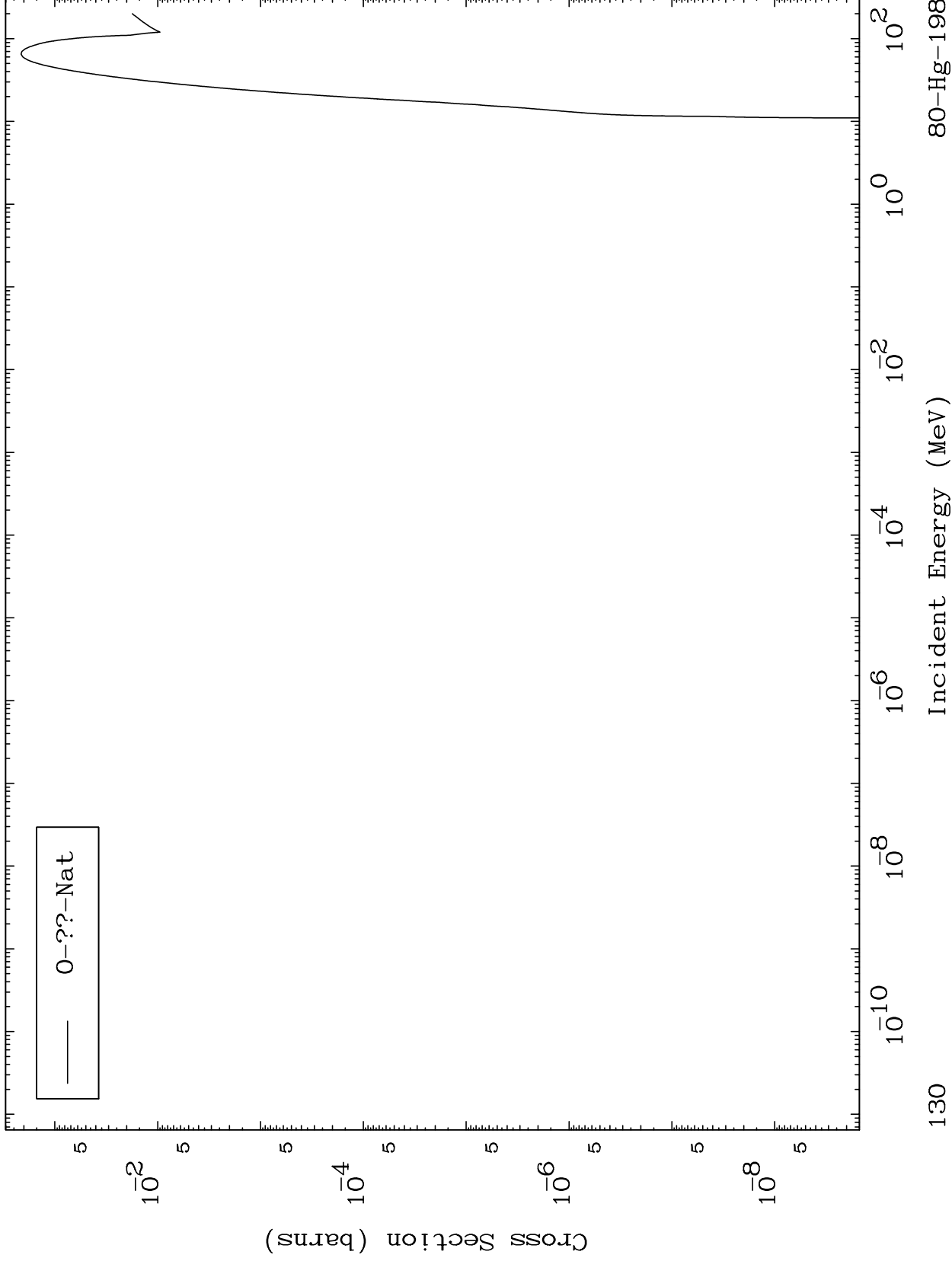
Incident Energy (MeV)

80-Hg-198

MAT 8031

Fission  
Radionuclide Production Cross Section

80-Hg-198

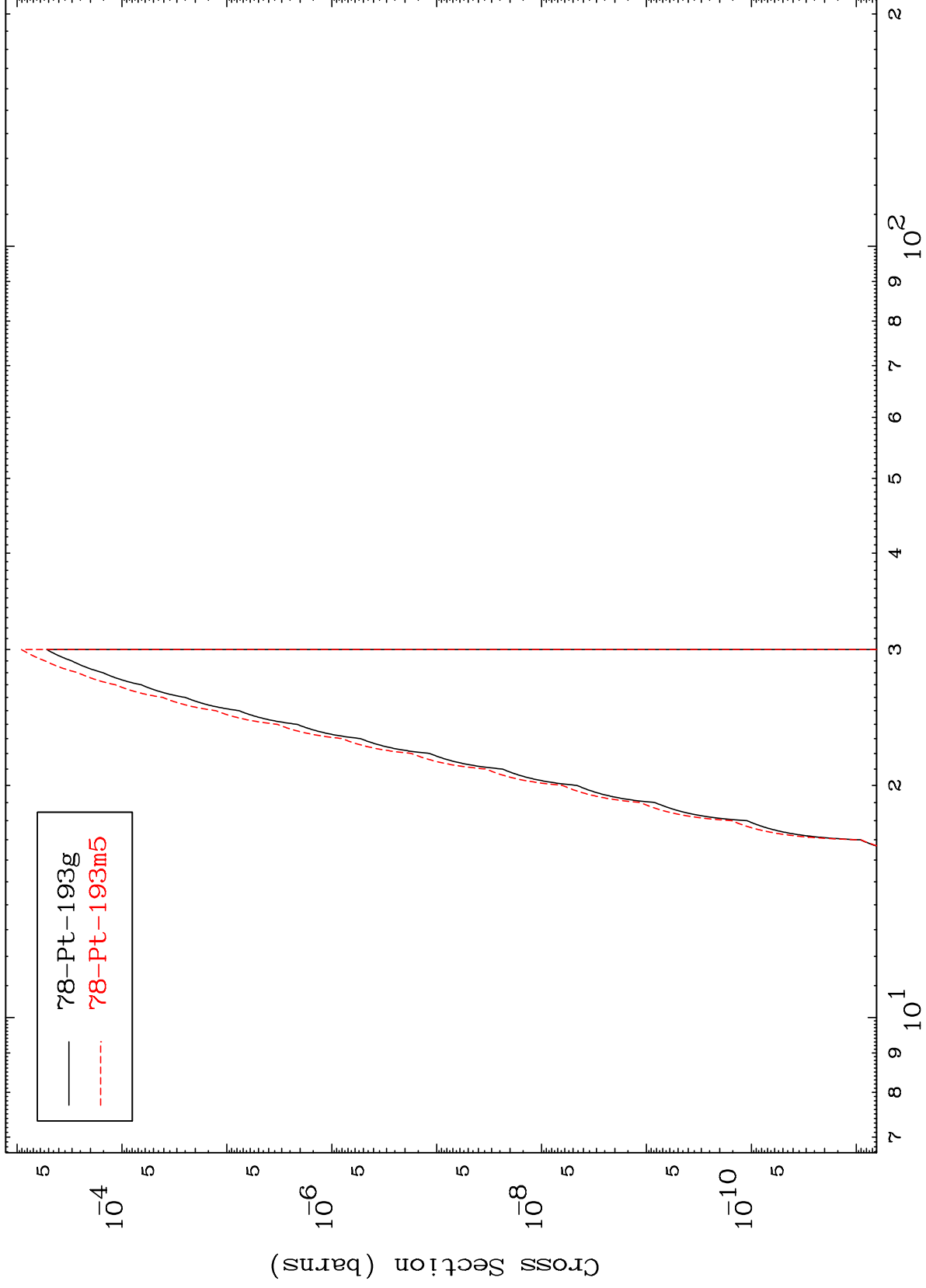


MAT 8031

(n,2n)  $\alpha$

80-Hg-198

Radionuclide Production Cross Section



78-Pt-193g  
78-Pt-193m5

131

Incident Energy (MeV)

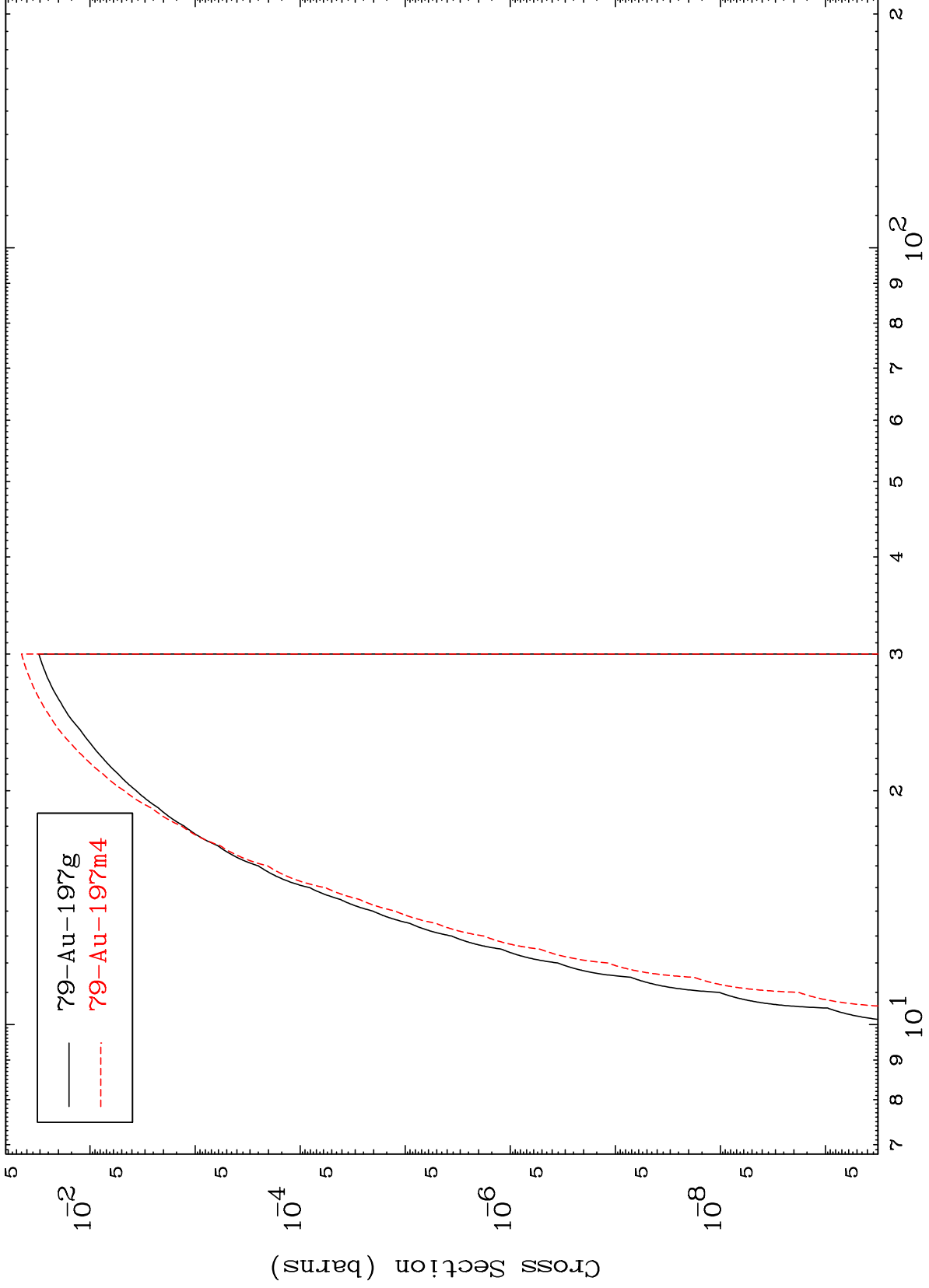
80-Hg-198

MAT 8031

(n,n') p

80-Hg-198

Radionuclide Production Cross Section

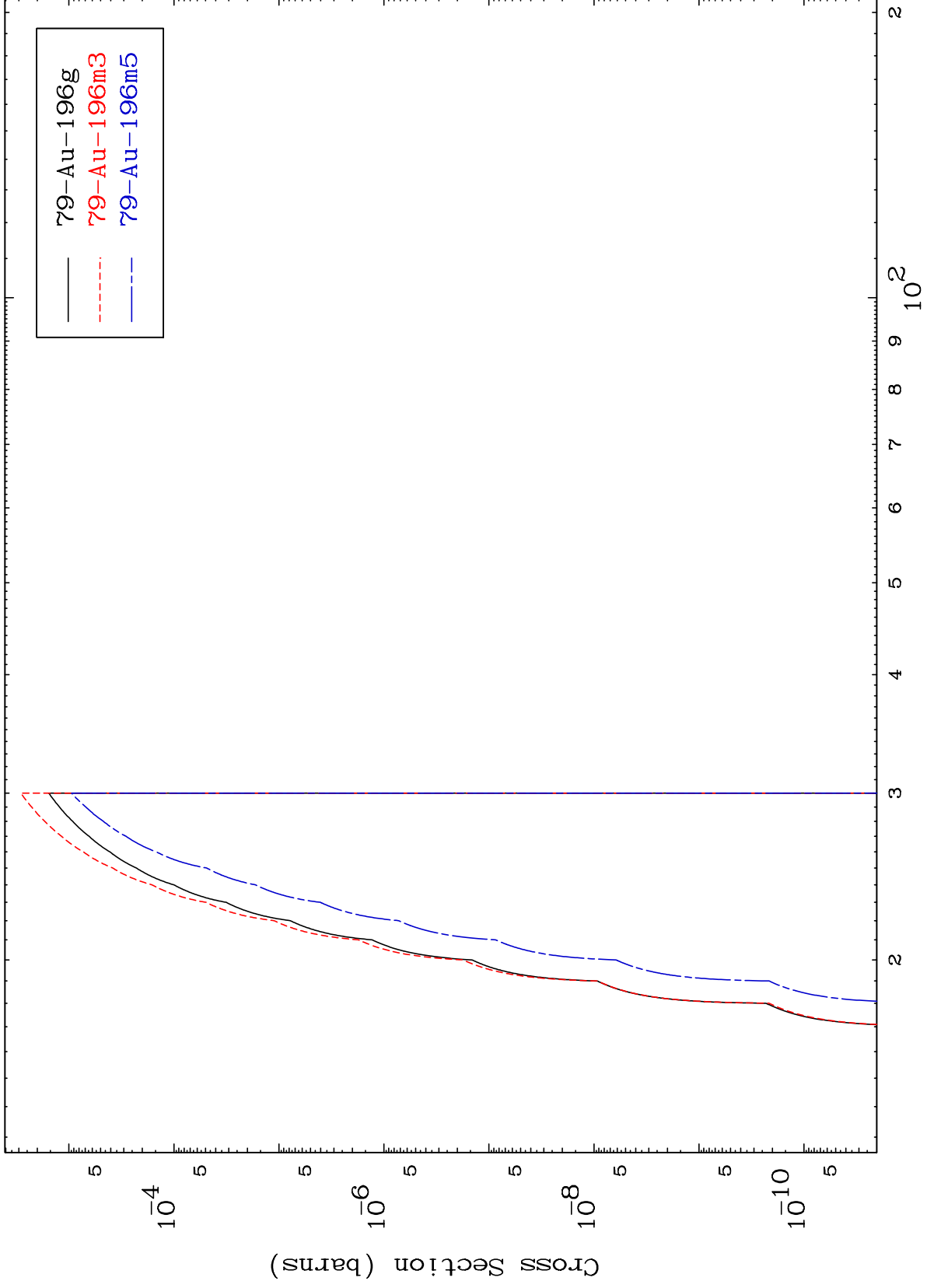


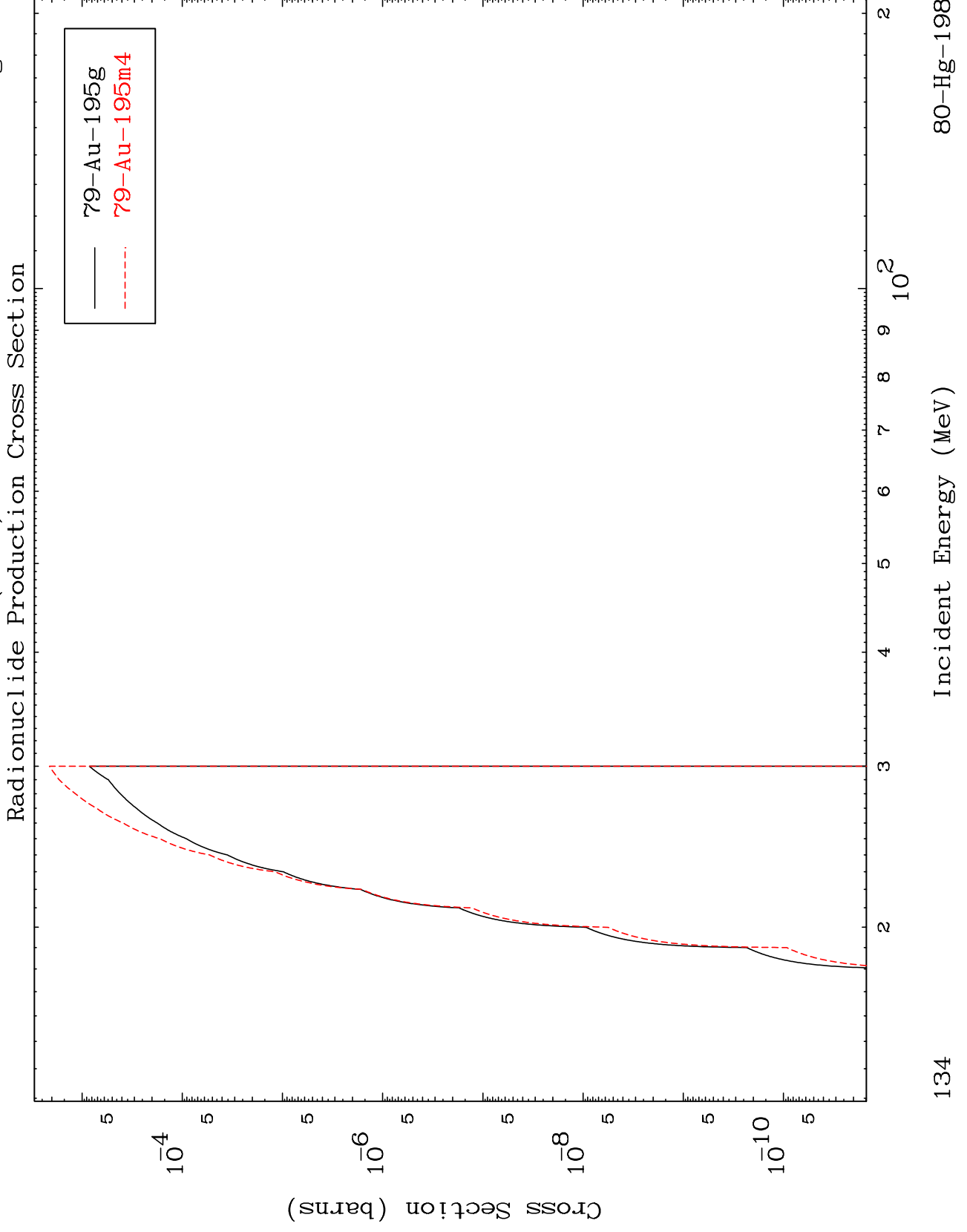
132

Incident Energy (MeV)

80-Hg-198

Radionuclide Production Cross Section

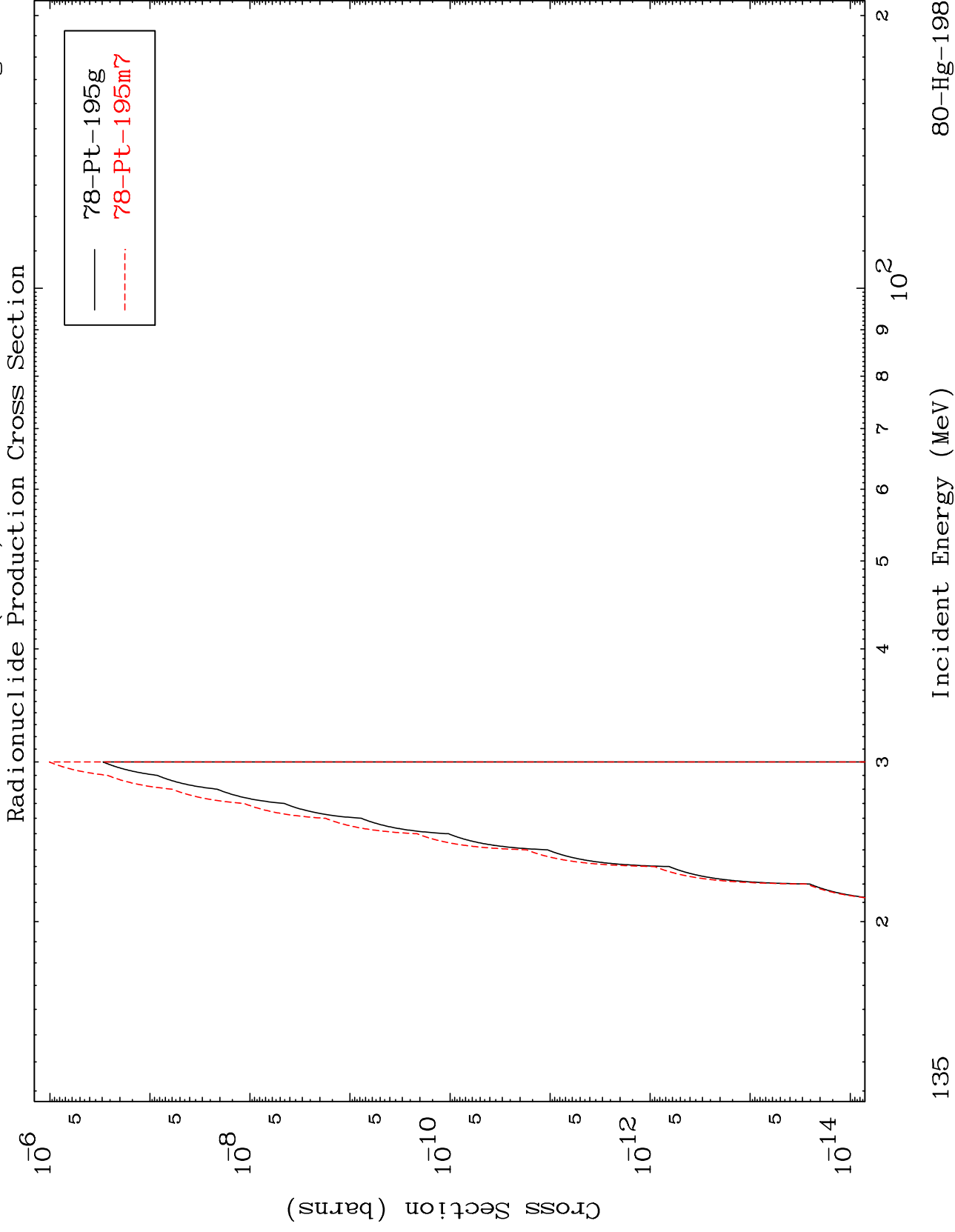




MAT 8031

(n,n') He-3

80-Hg-198



135

Incident Energy (MeV)

80-Hg-198

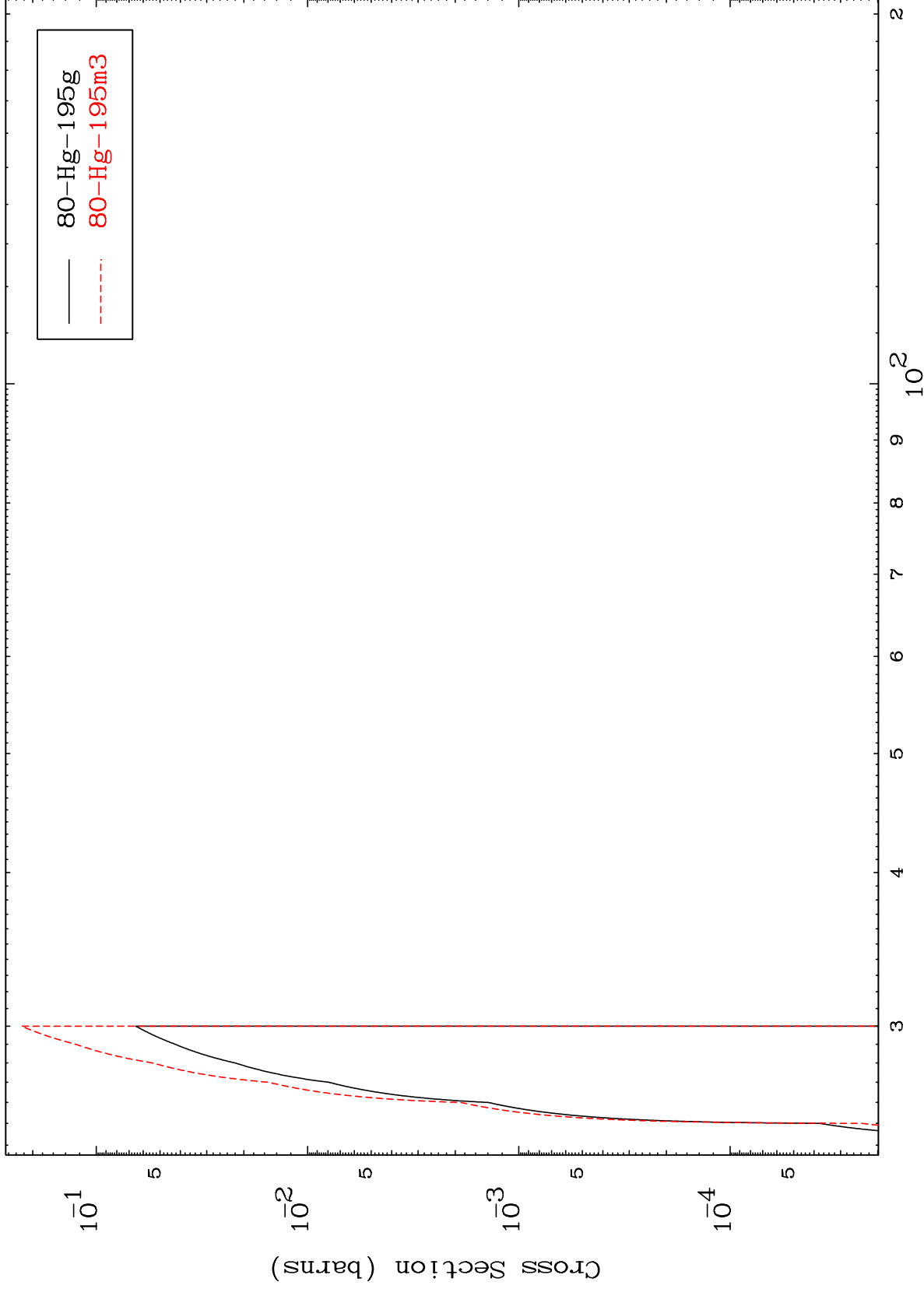


MAT 8031

(n,4n)

80-Hg-198

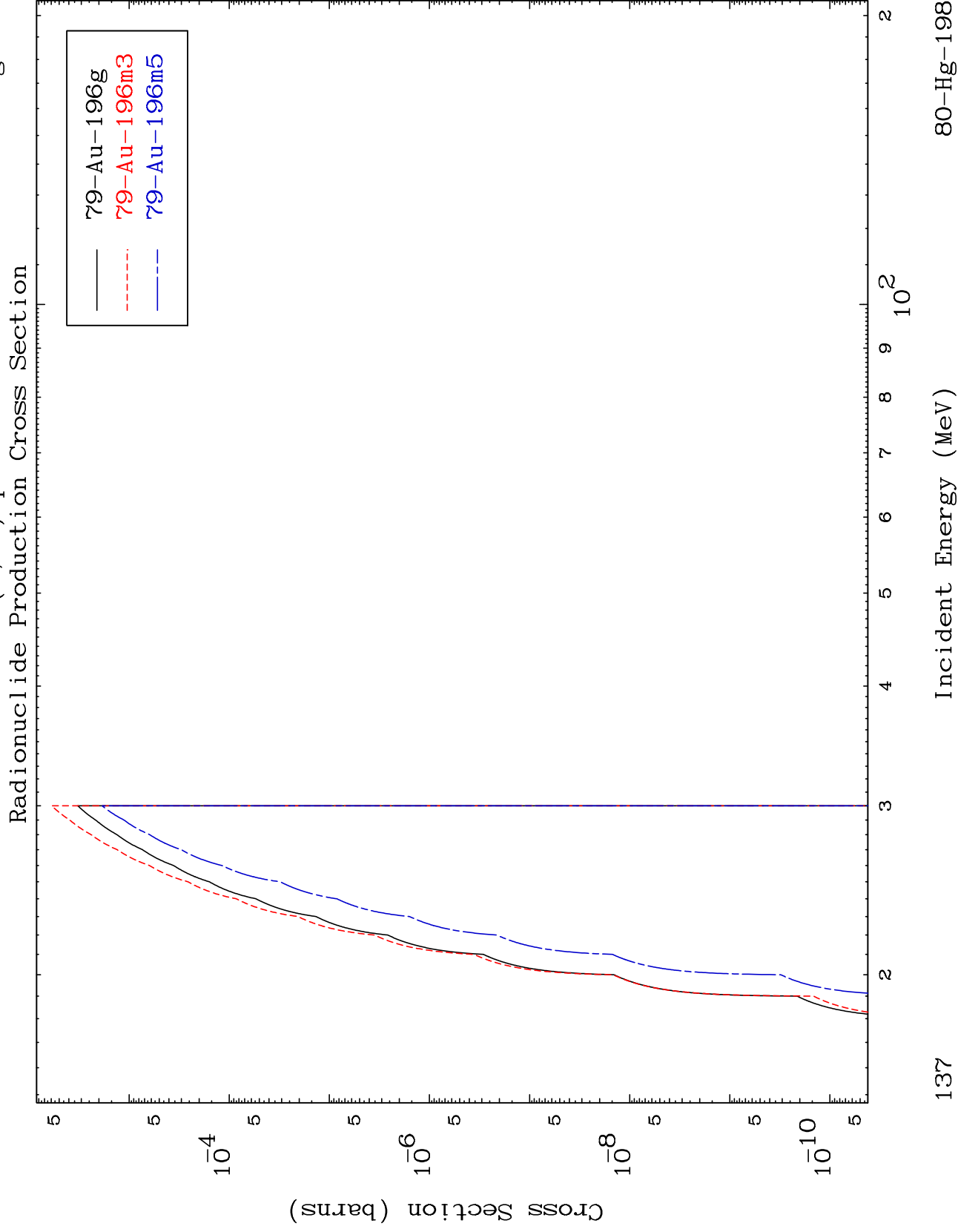
Radionuclide Production Cross Section



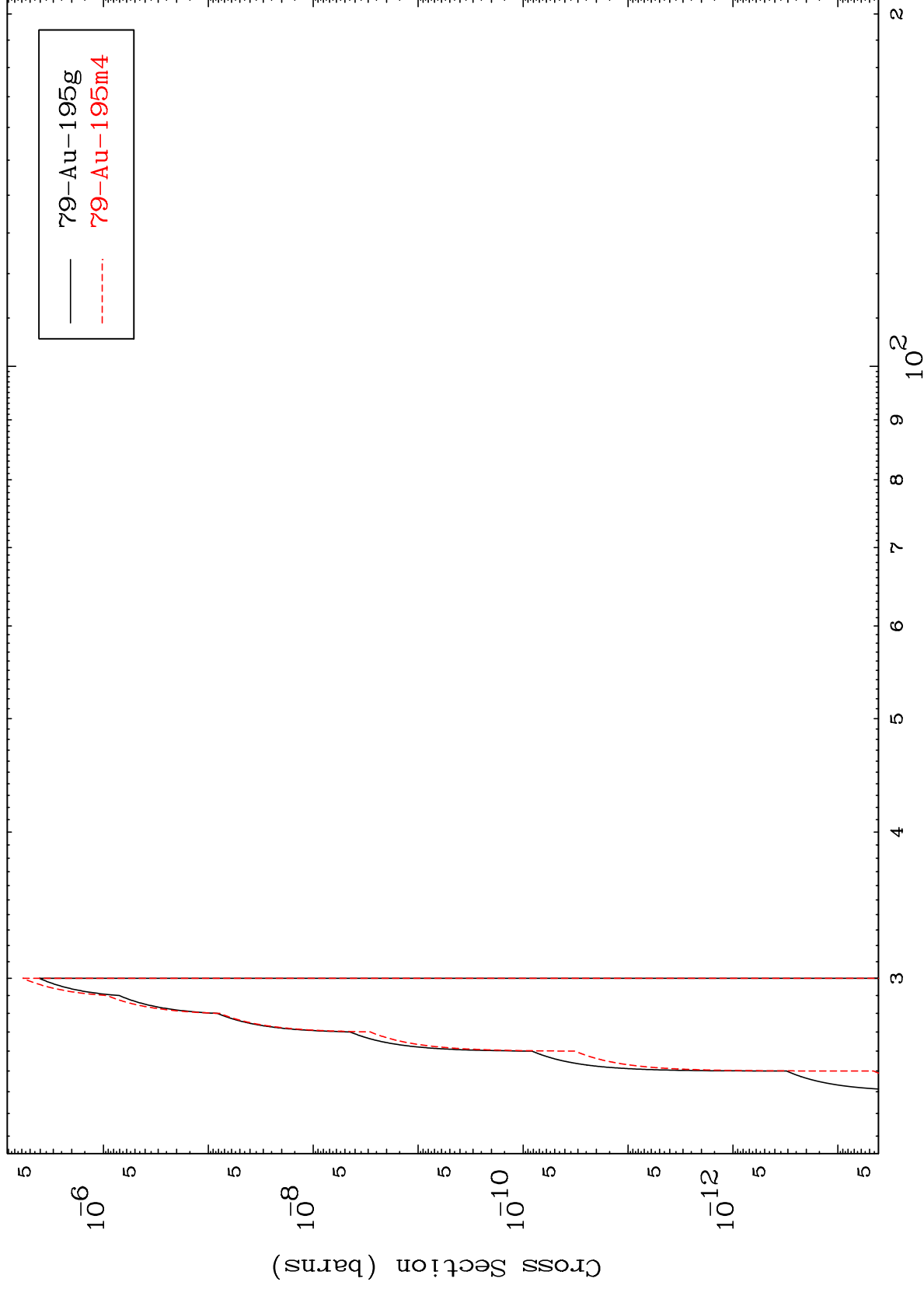
136

Incident Energy (MeV)

80-Hg-198



Radionuclide Production Cross Section

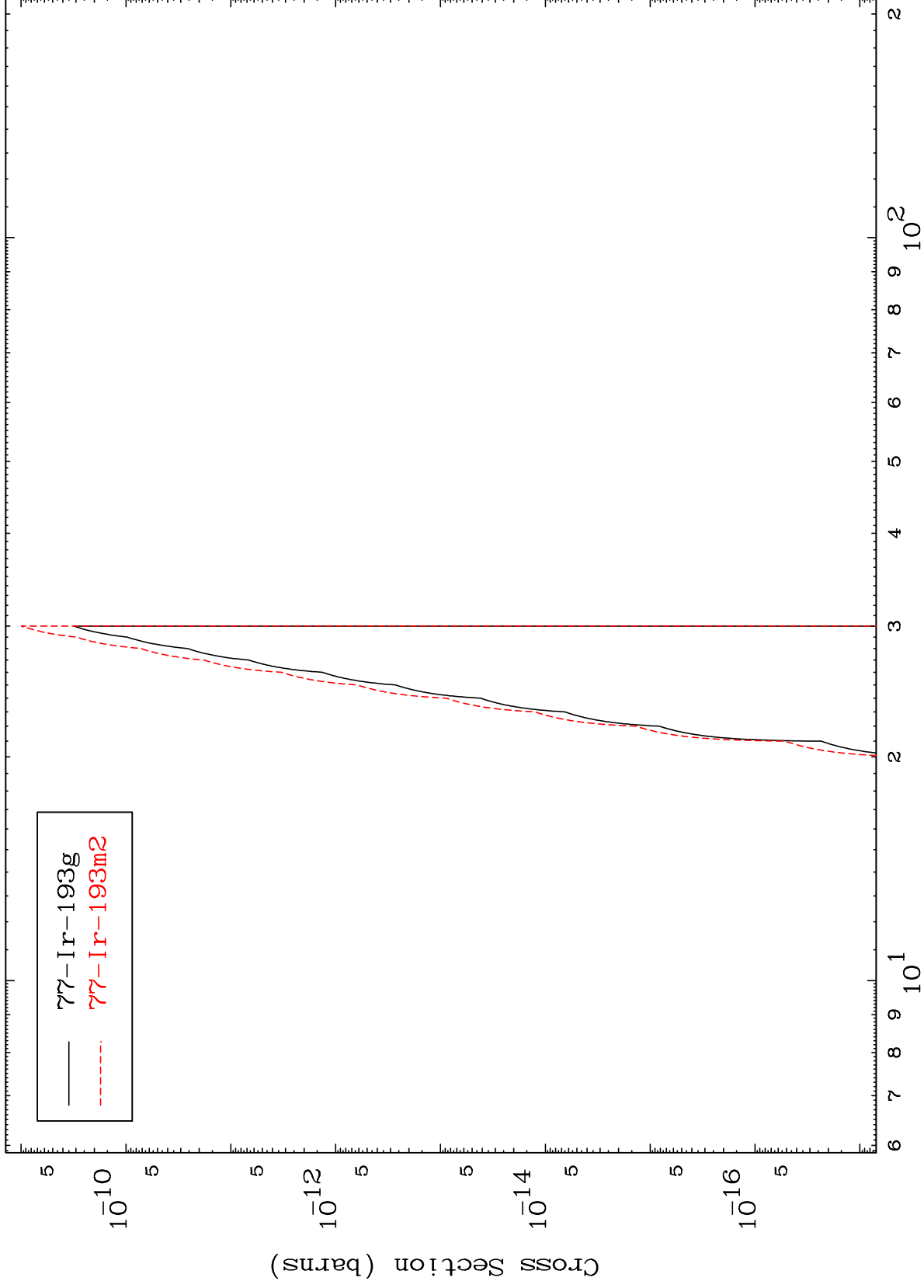


MAT 8031

(n,n') p  $\alpha$

80-Hg-198

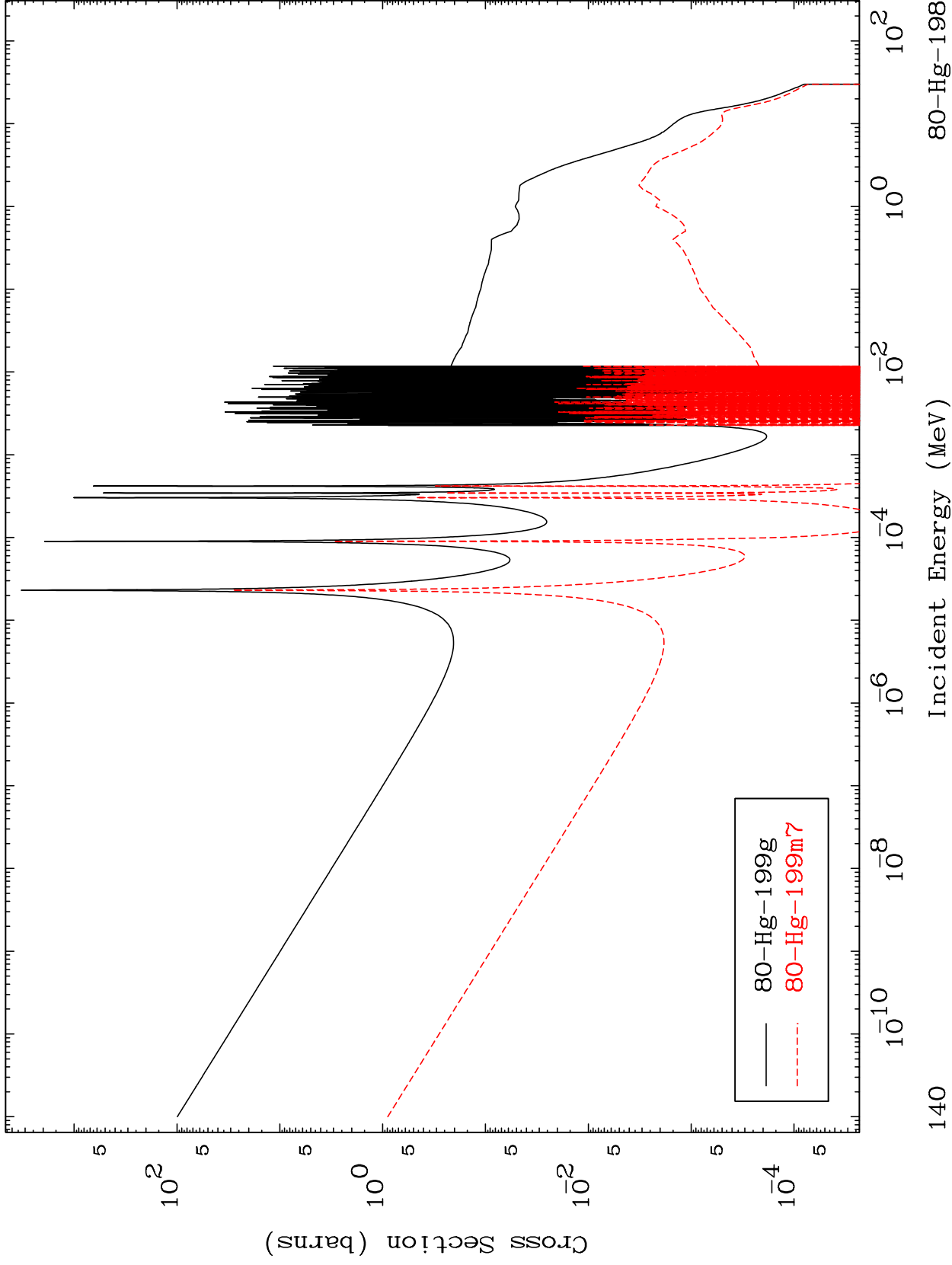
Radionuclide Production Cross Section



MAT 8031

80-Hg-198

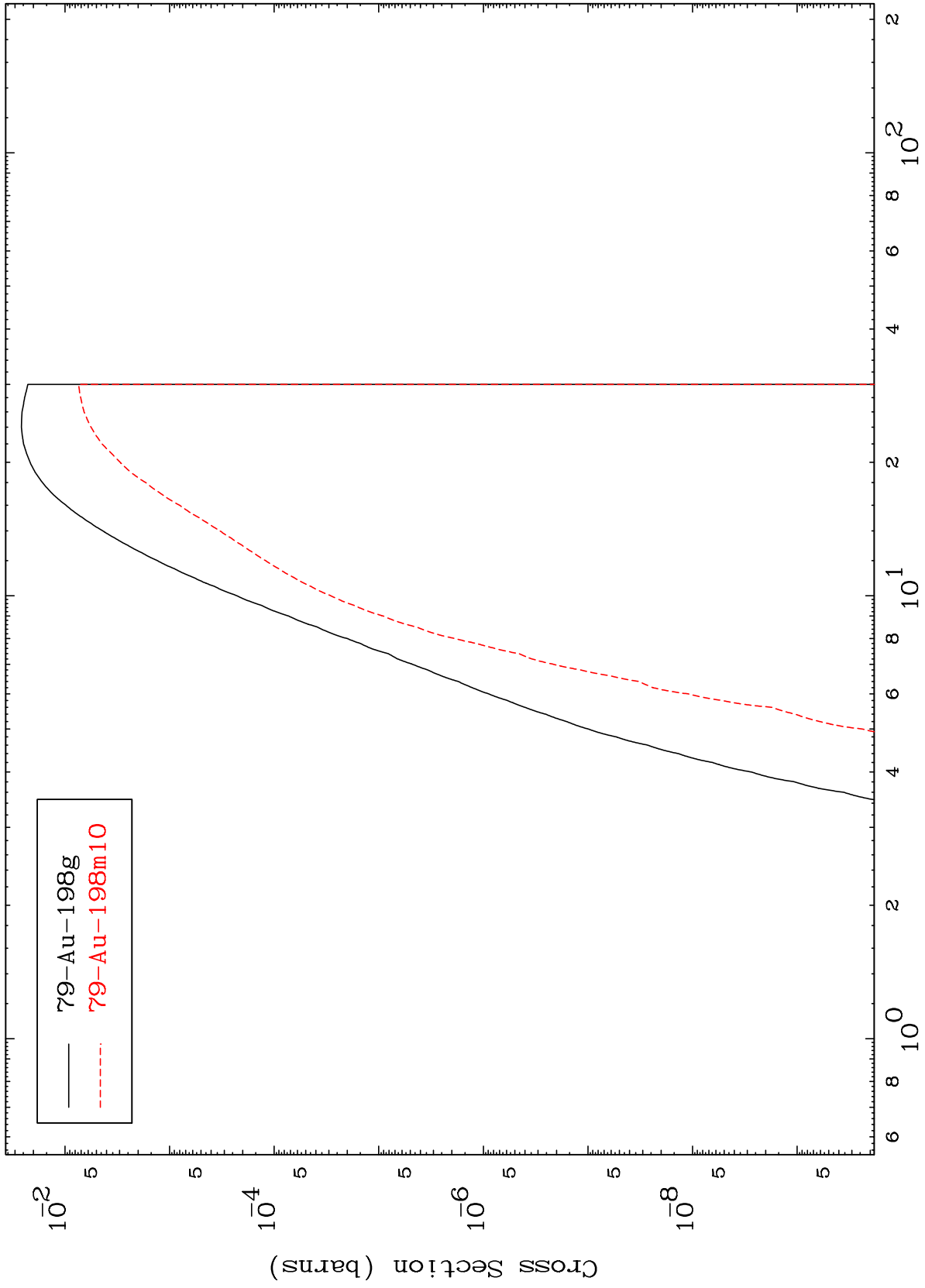
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 8031

80-Hg-198

(n,p)  
Radionuclide Production Cross Section



141

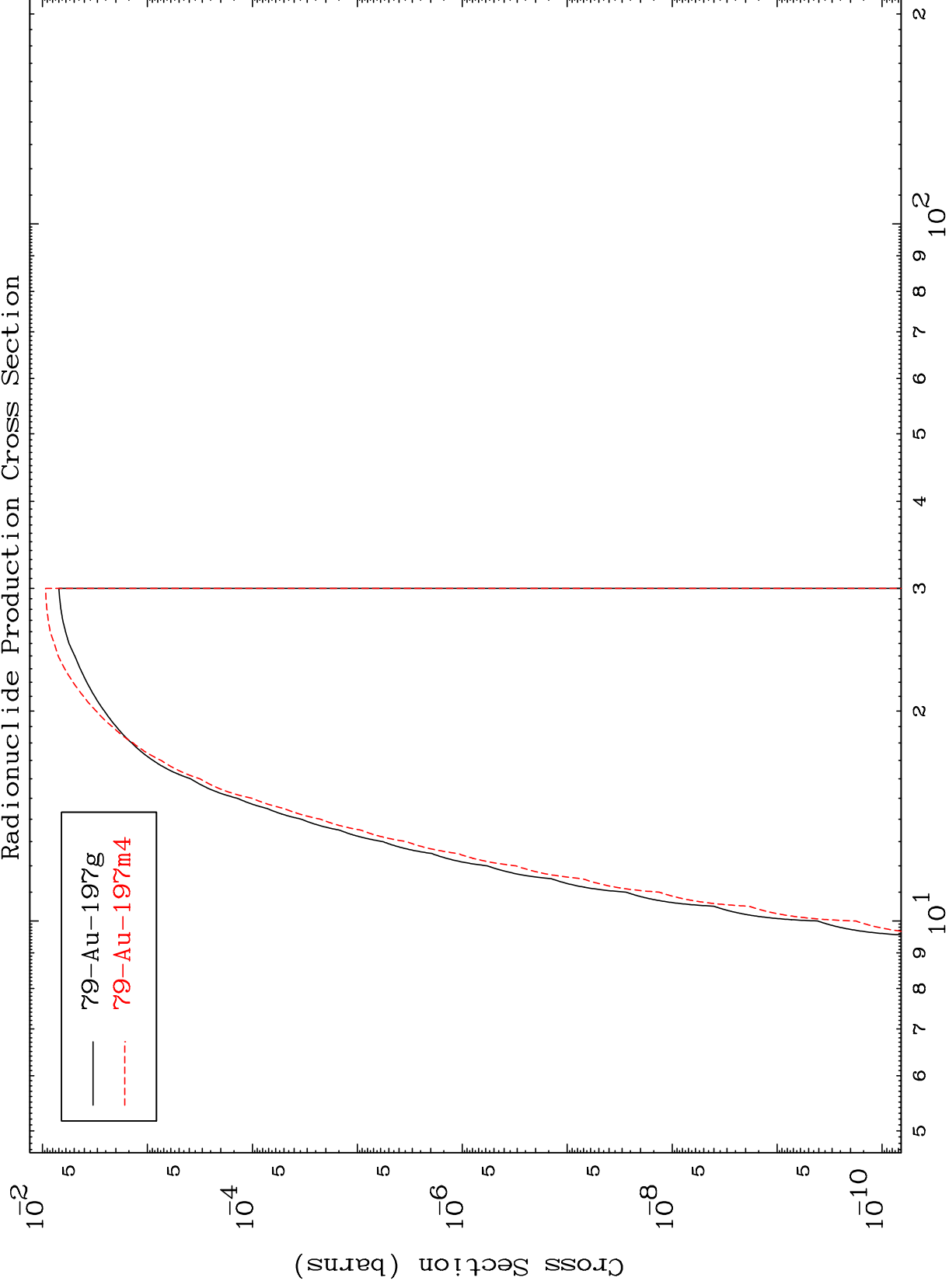
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

(n,d)  
Radionuclide Production Cross Section



142

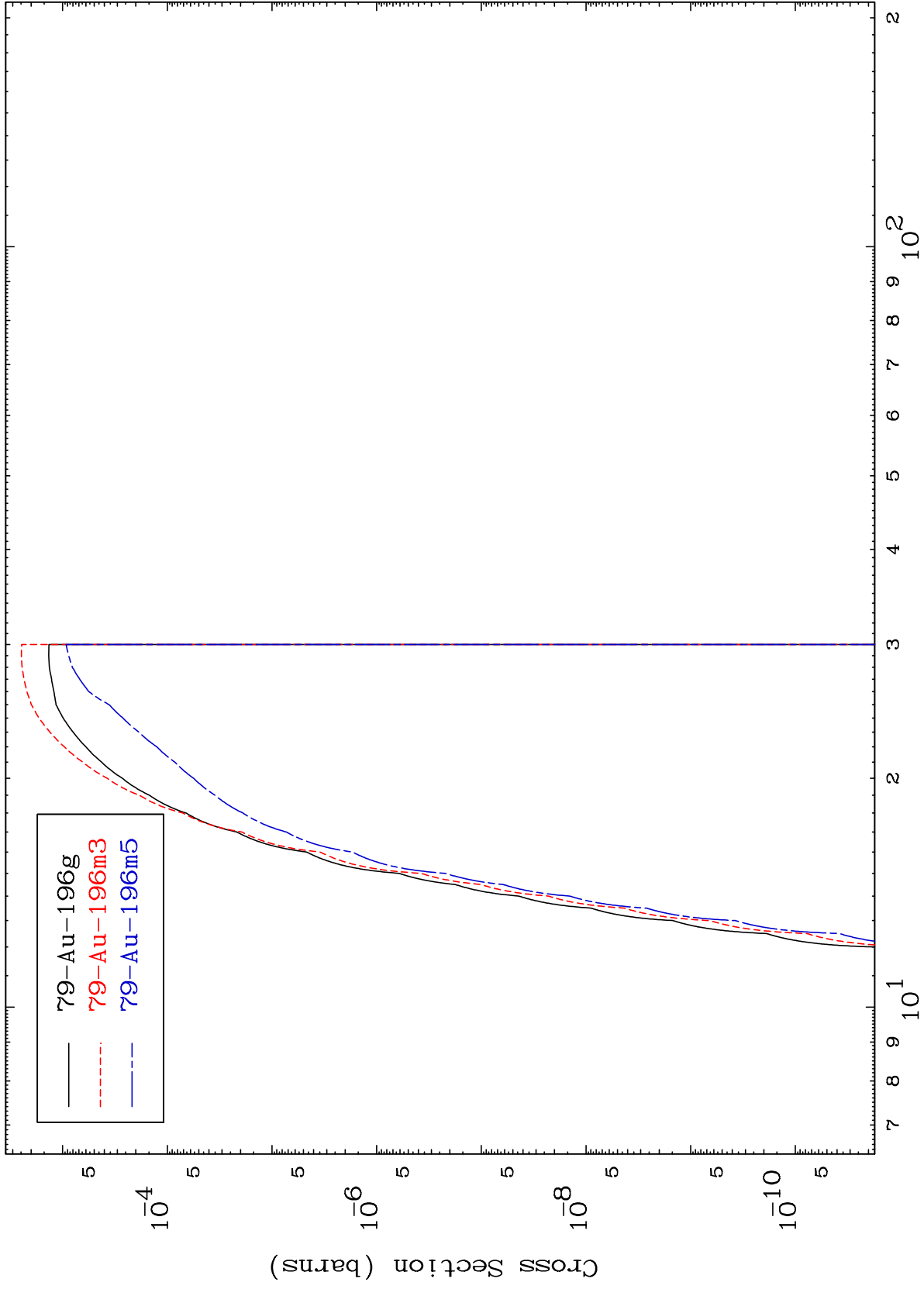
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

(n,t)  
Radionuclide Production Cross Section



143

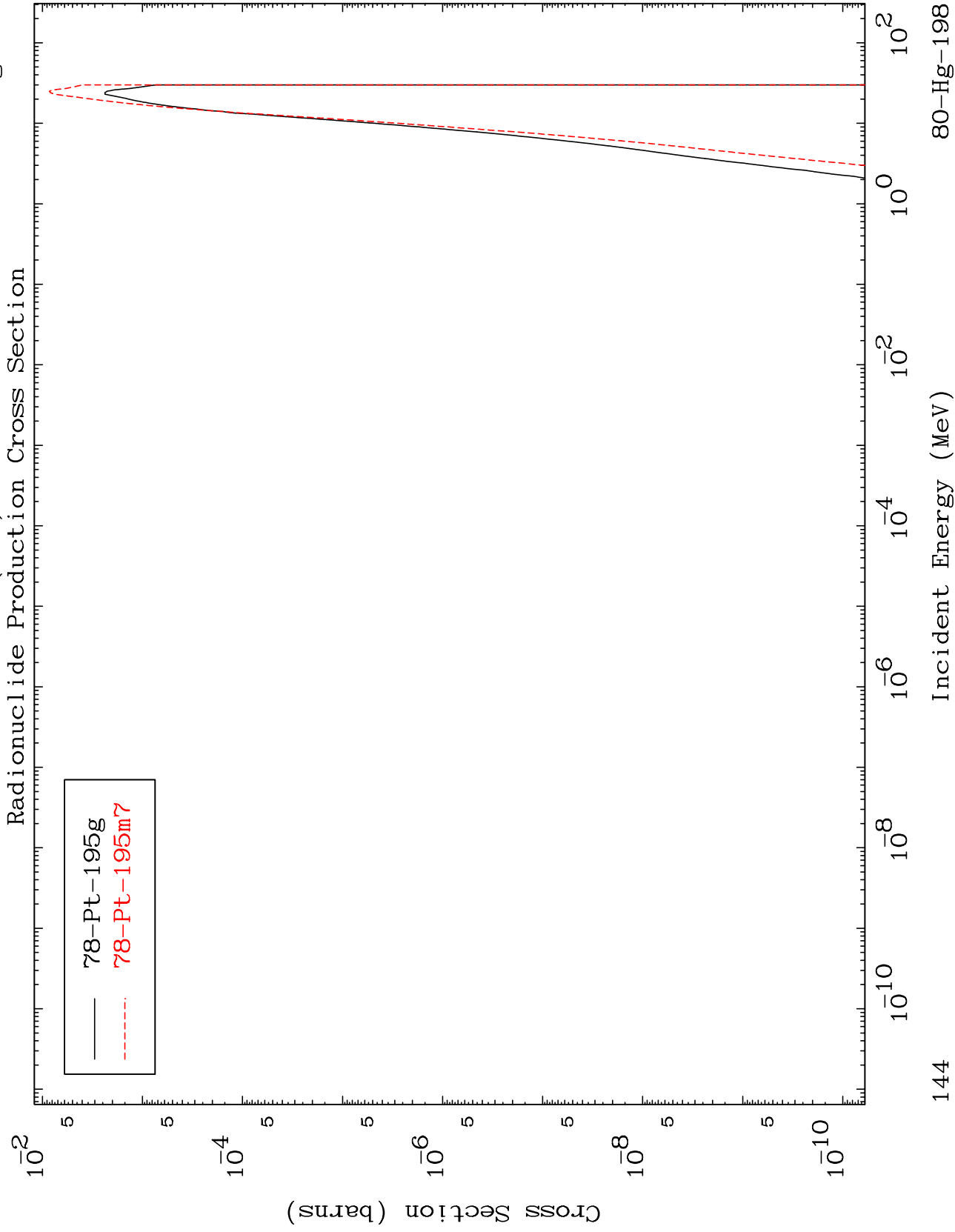
80-Hg-198



MAT 8031

80-Hg-198

Radionuclide Production Cross Section

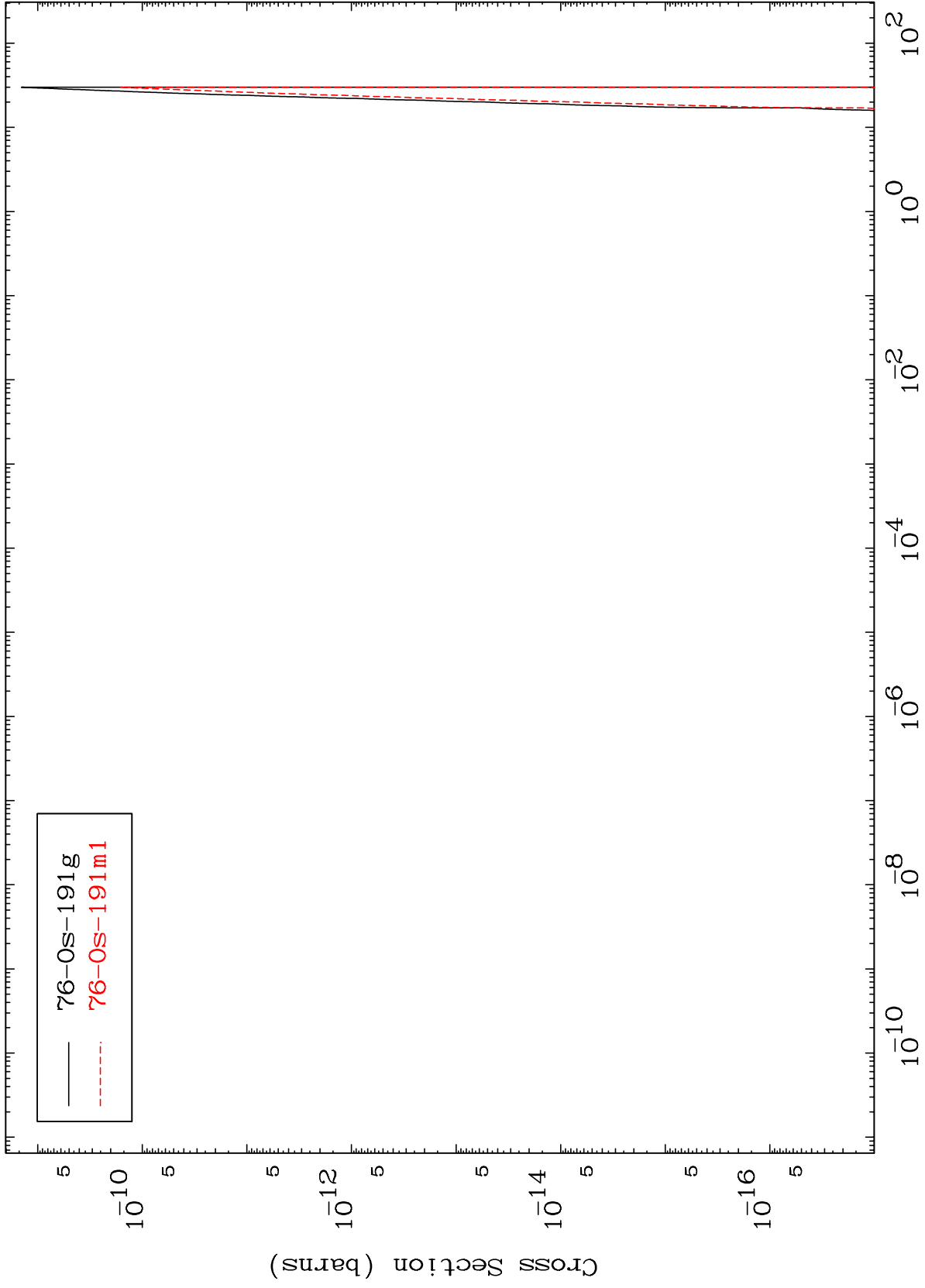


MAT 8031

(n,2α)

80-Hg-198

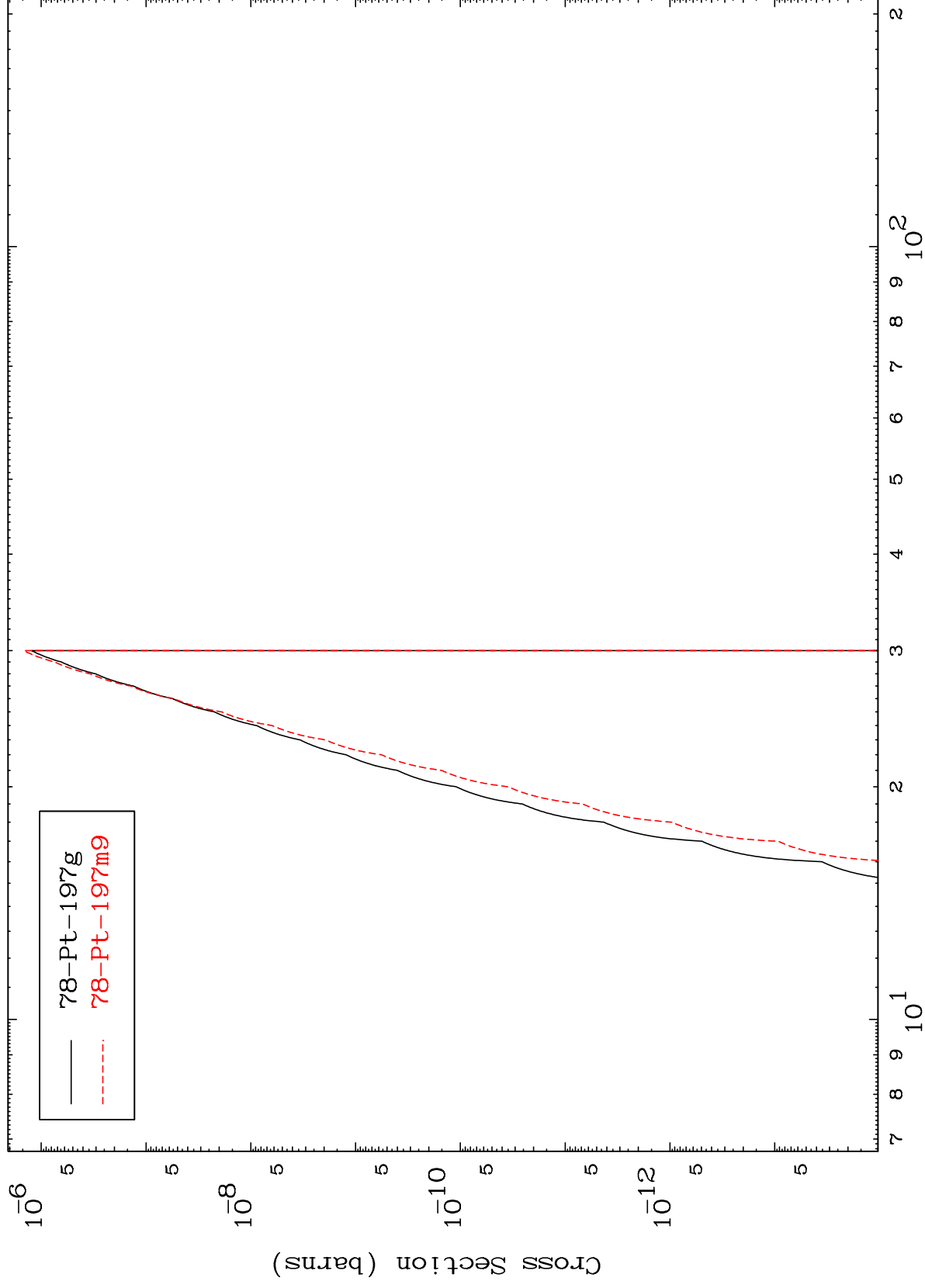
Radionuclide Production Cross Section



MAT 8031

80-Hg-198

(n,2p)  
Radionuclide Production Cross Section



146

Incident Energy (MeV)

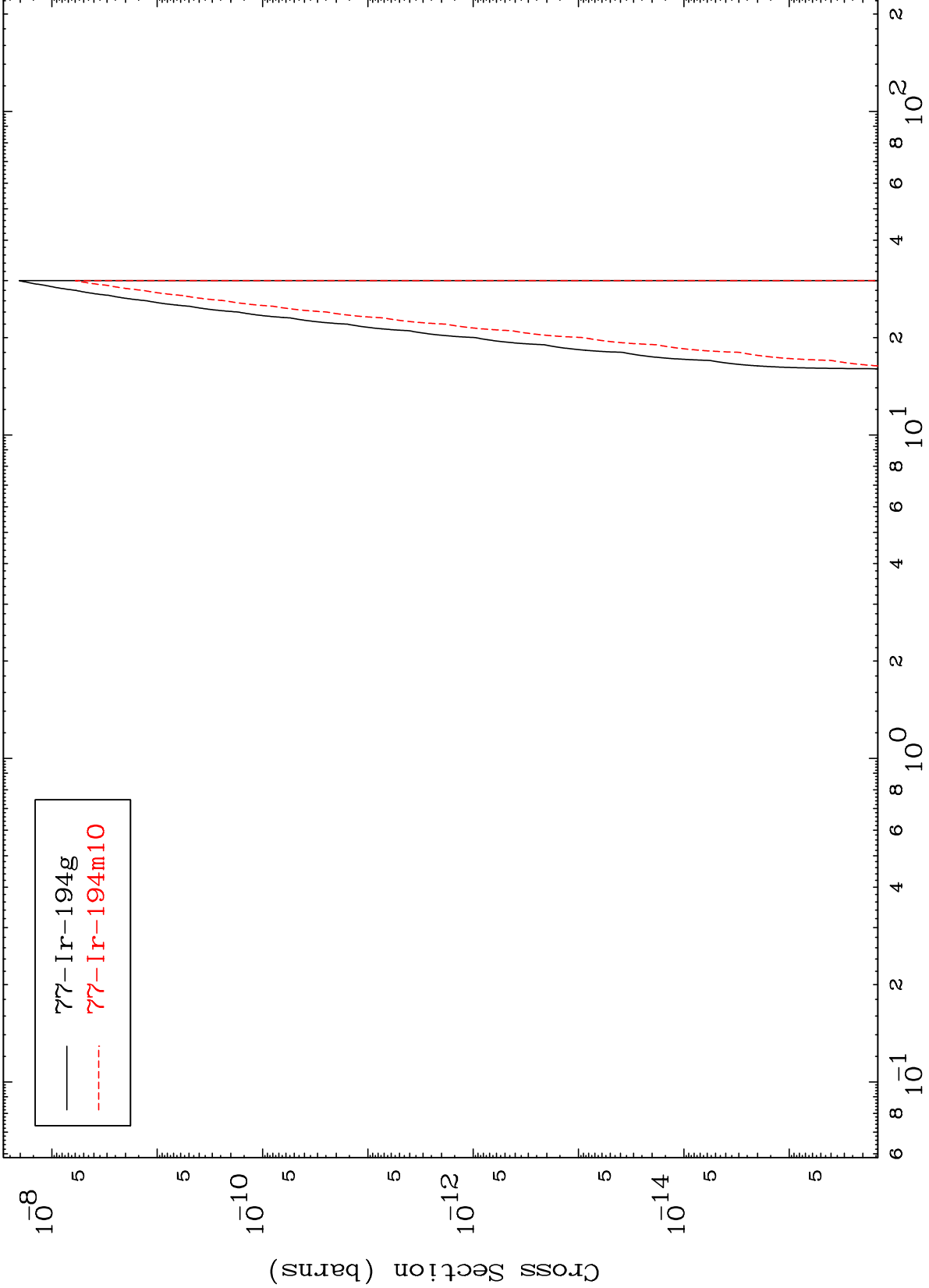
80-Hg-198

MAT 8031

(n,p)  $\alpha$

80-Hg-198

Radionuclide Production Cross Section



147

Incident Energy (MeV)

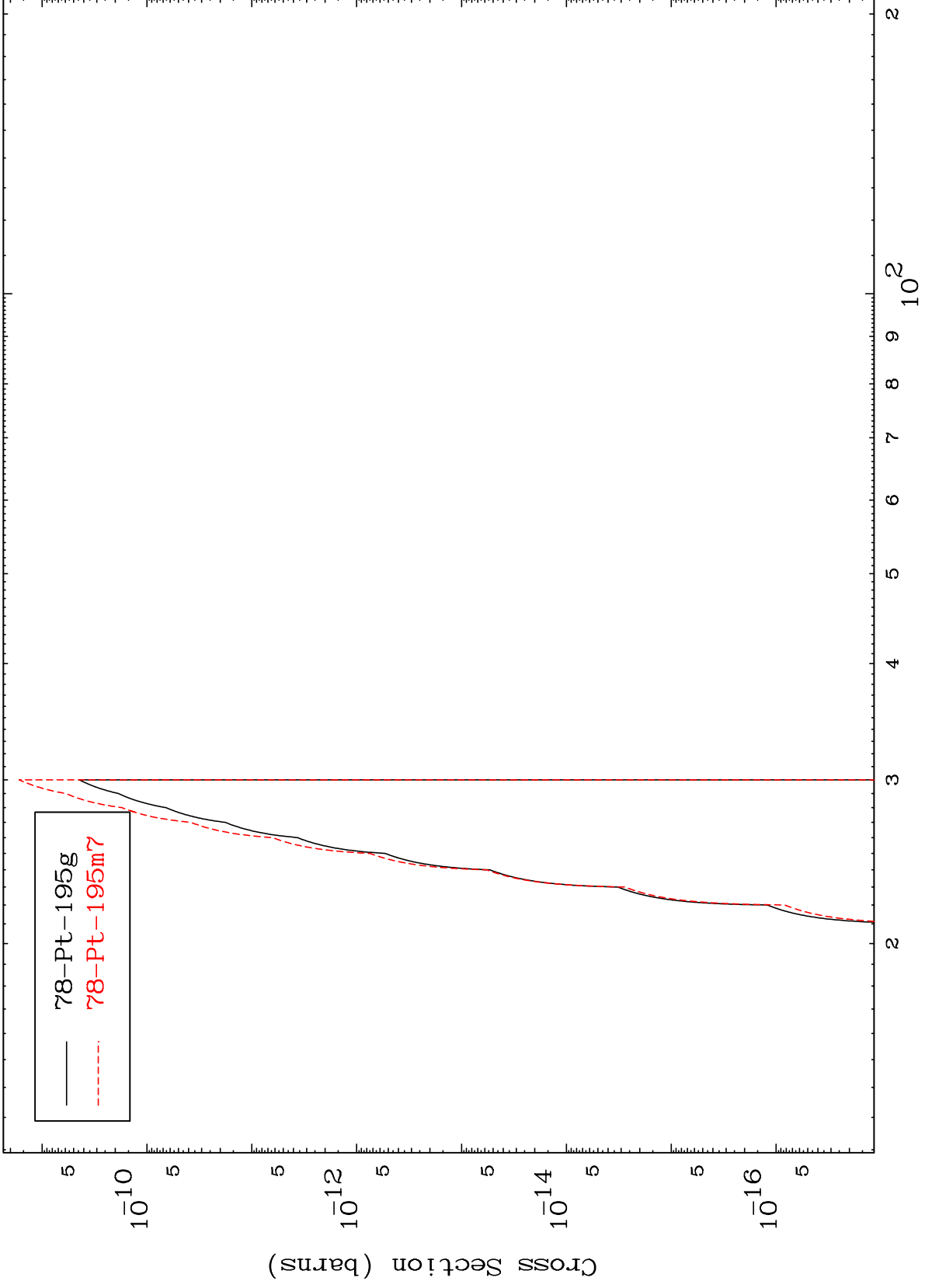
80-Hg-198

MAT 8031

(n,p) t

80-Hg-198

Radionuclide Production Cross Section



148

Incident Energy (MeV)

80-Hg-198