

Program EVALPLOT
(Version 2021-1)

by

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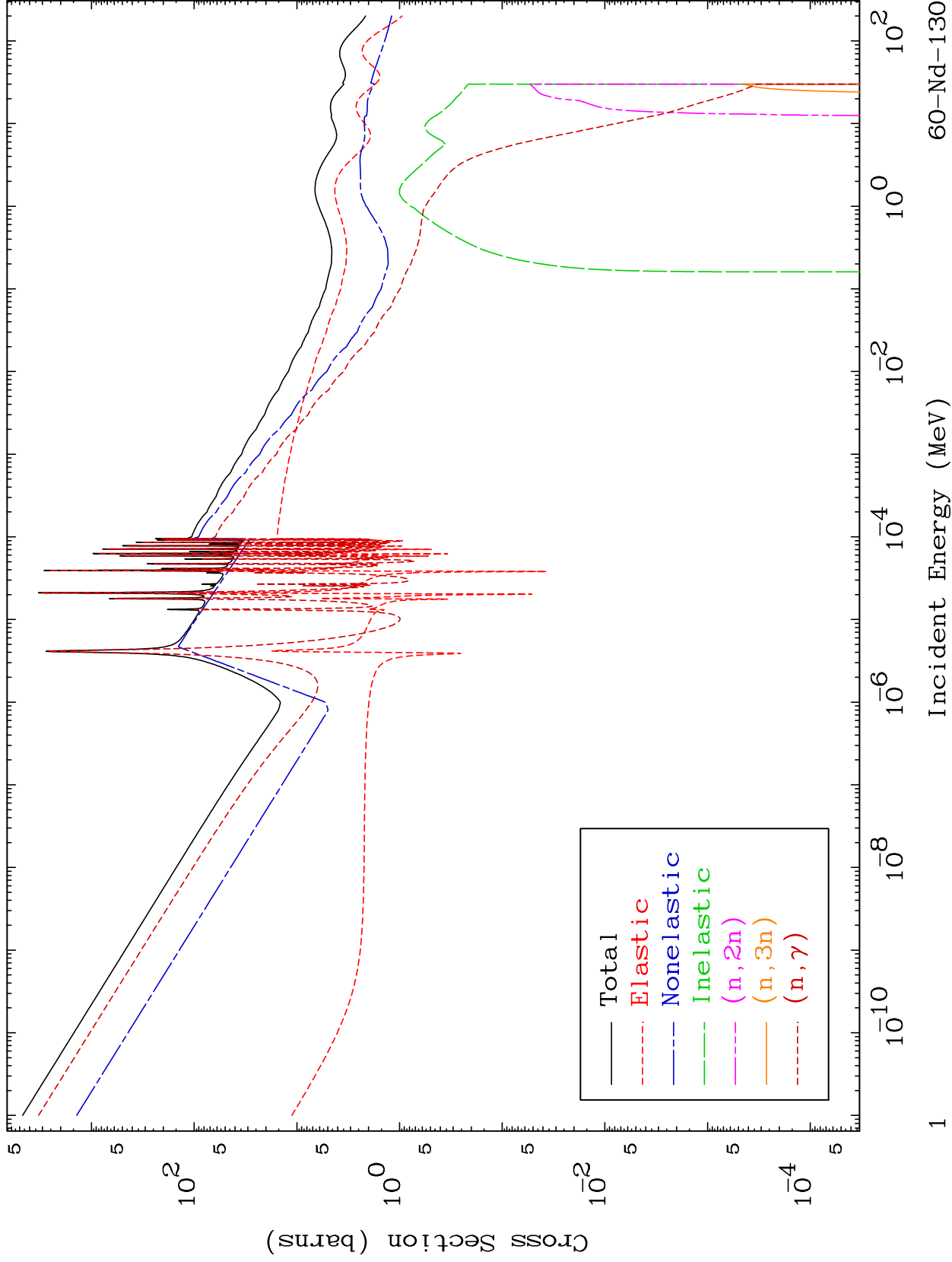
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5989

Neutron Major
293 Kelvin Cross Sections

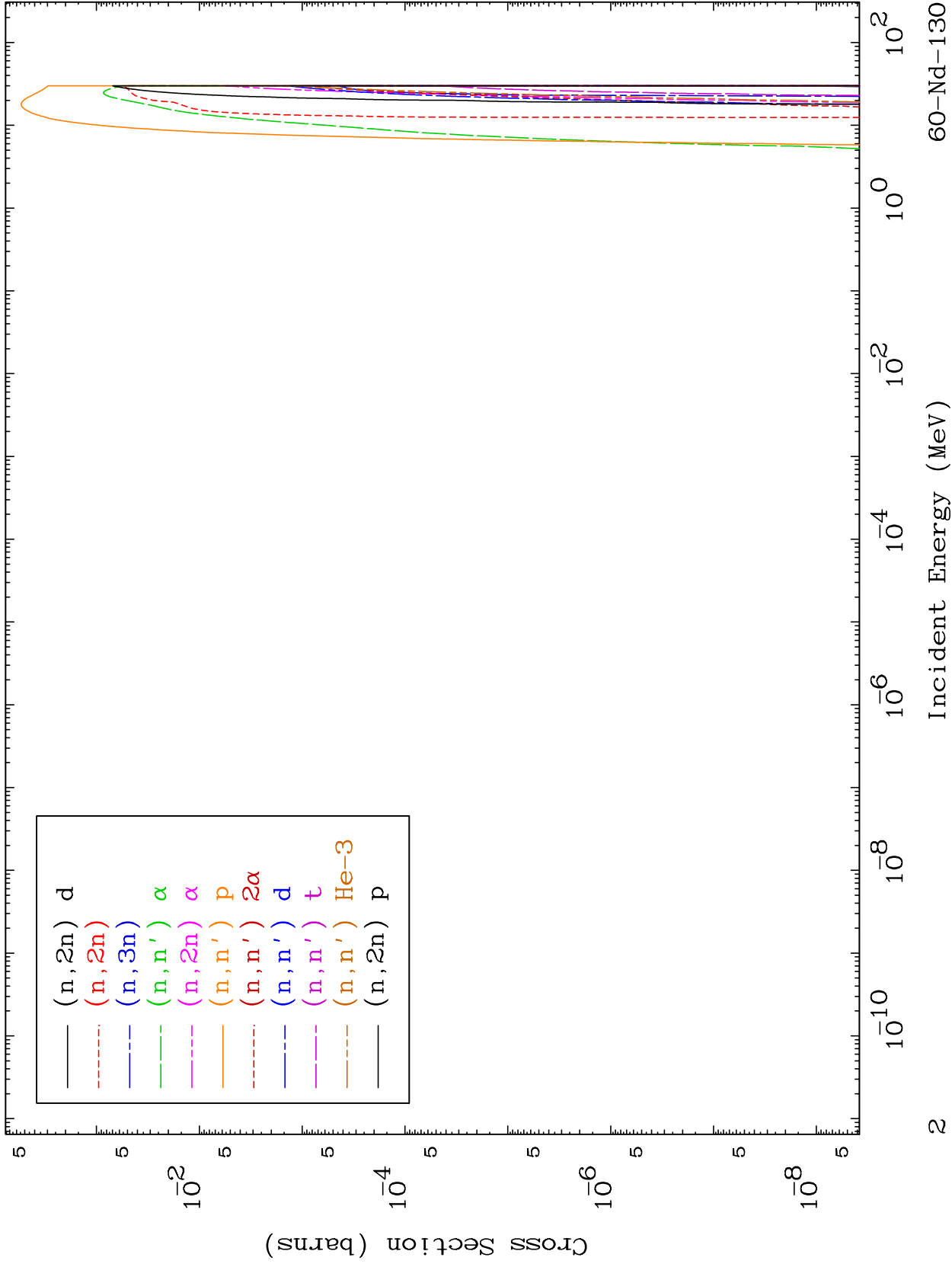
60-Nd-130



MAT 5989

Neutron Absorption
293 Kelvin Cross Sections

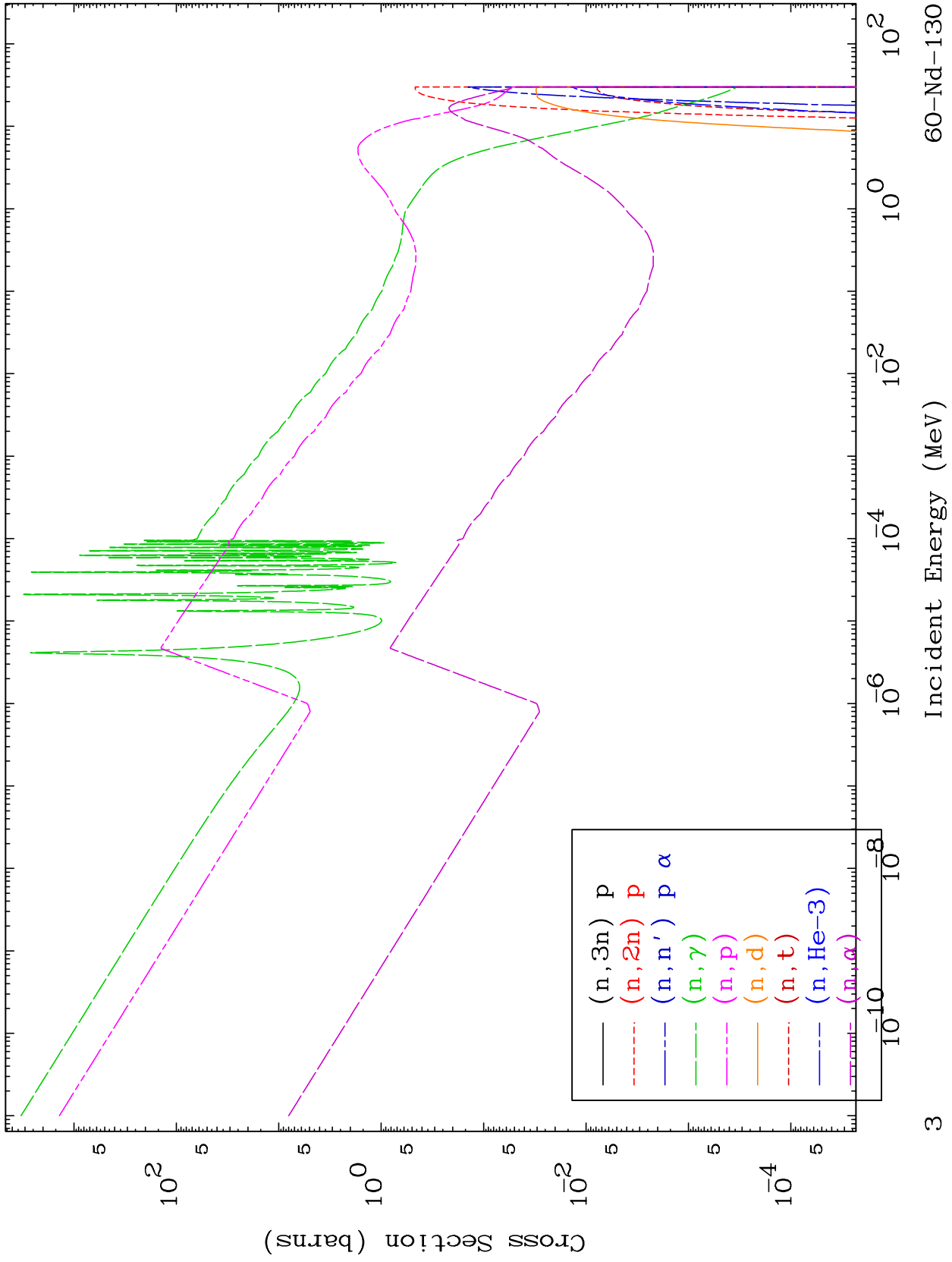
60-Nd-130



MAT 5989

Neutron Absorption
293 Kelvin Cross Sections

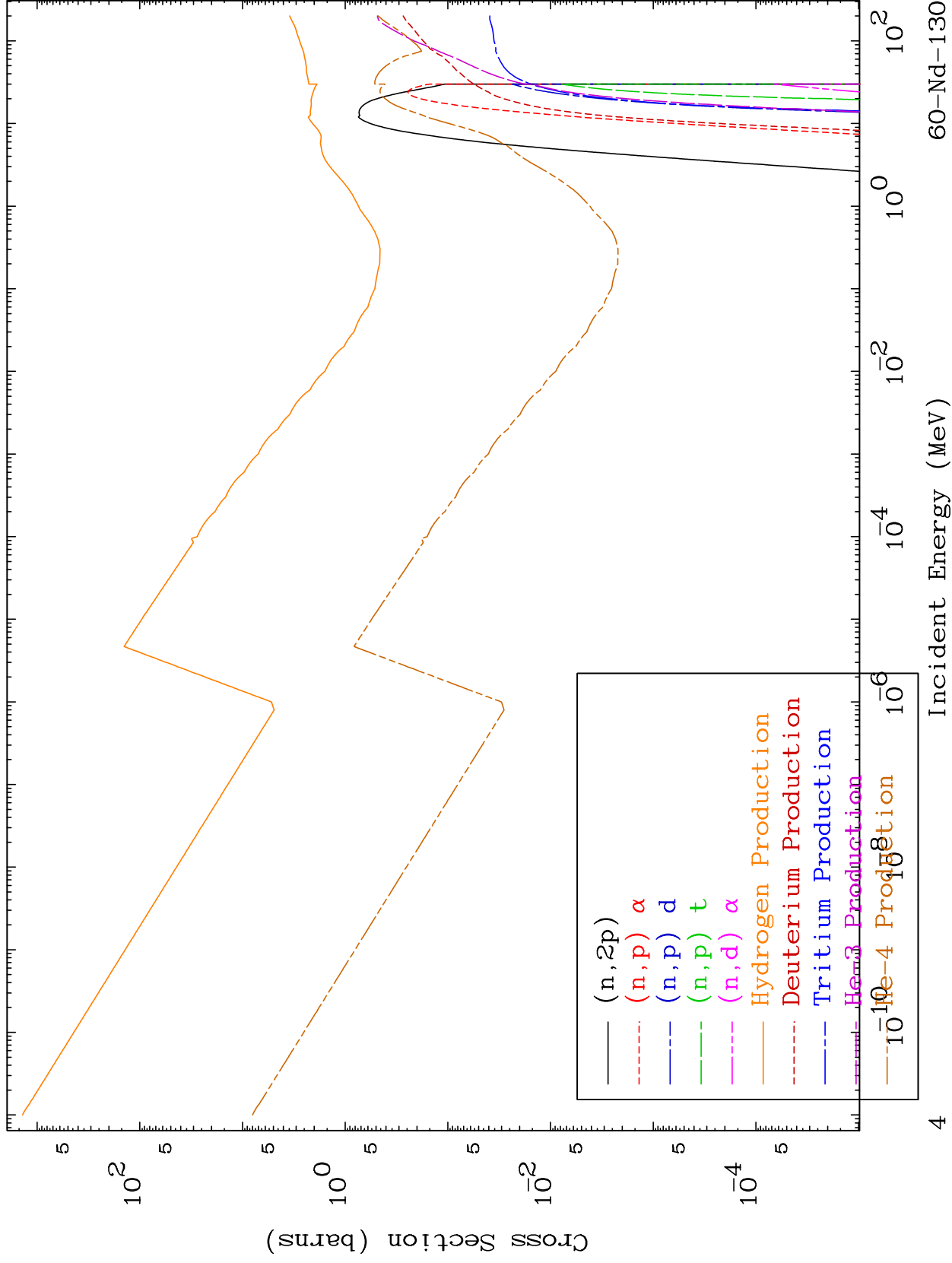
60-Nd-130



MAT 5989

Neutron Absorption
293 Kelvin Cross Sections

60-Nd-130

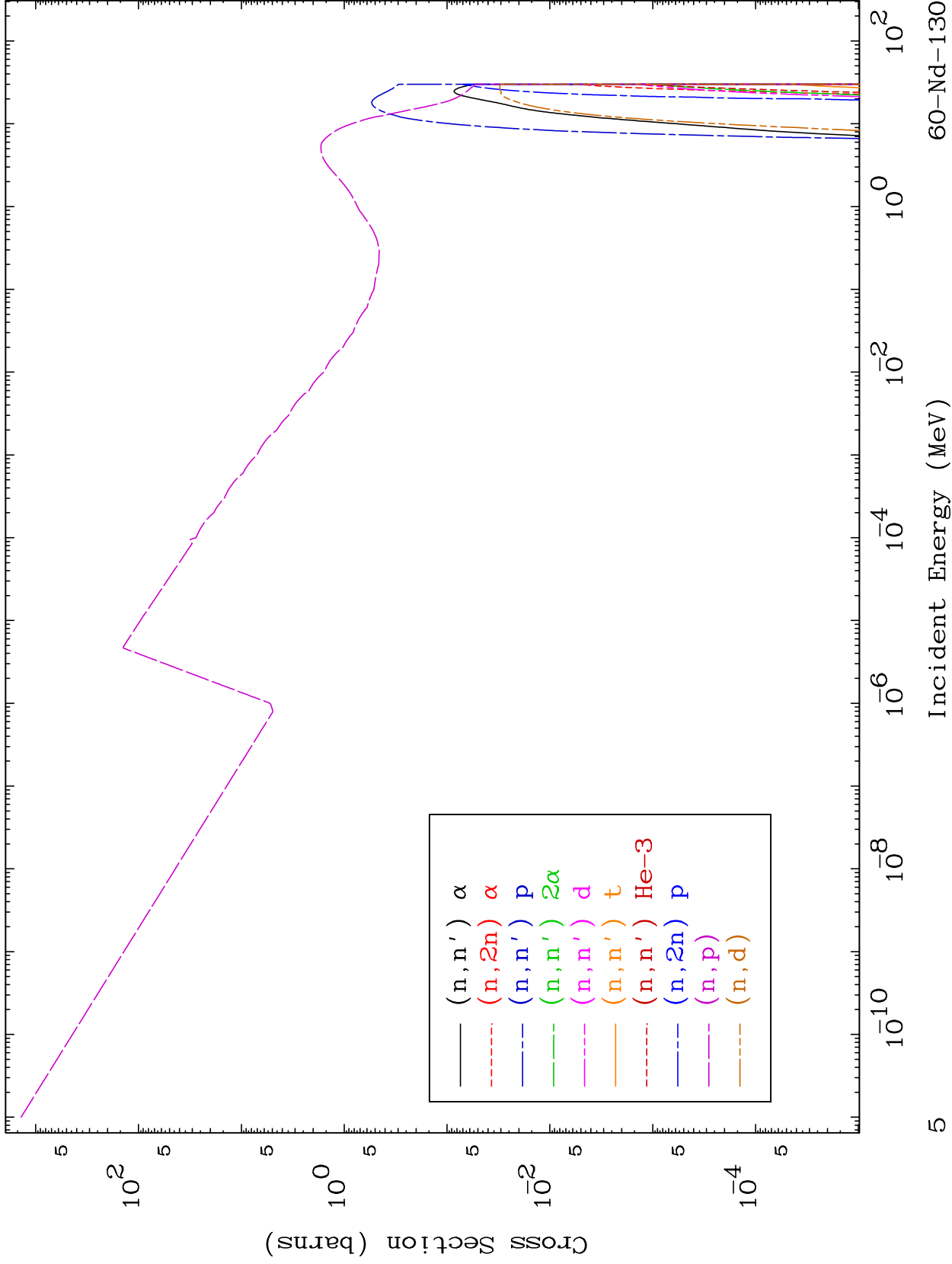


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MAT 5989

Charged Particle
293 Kelvin Cross Sections

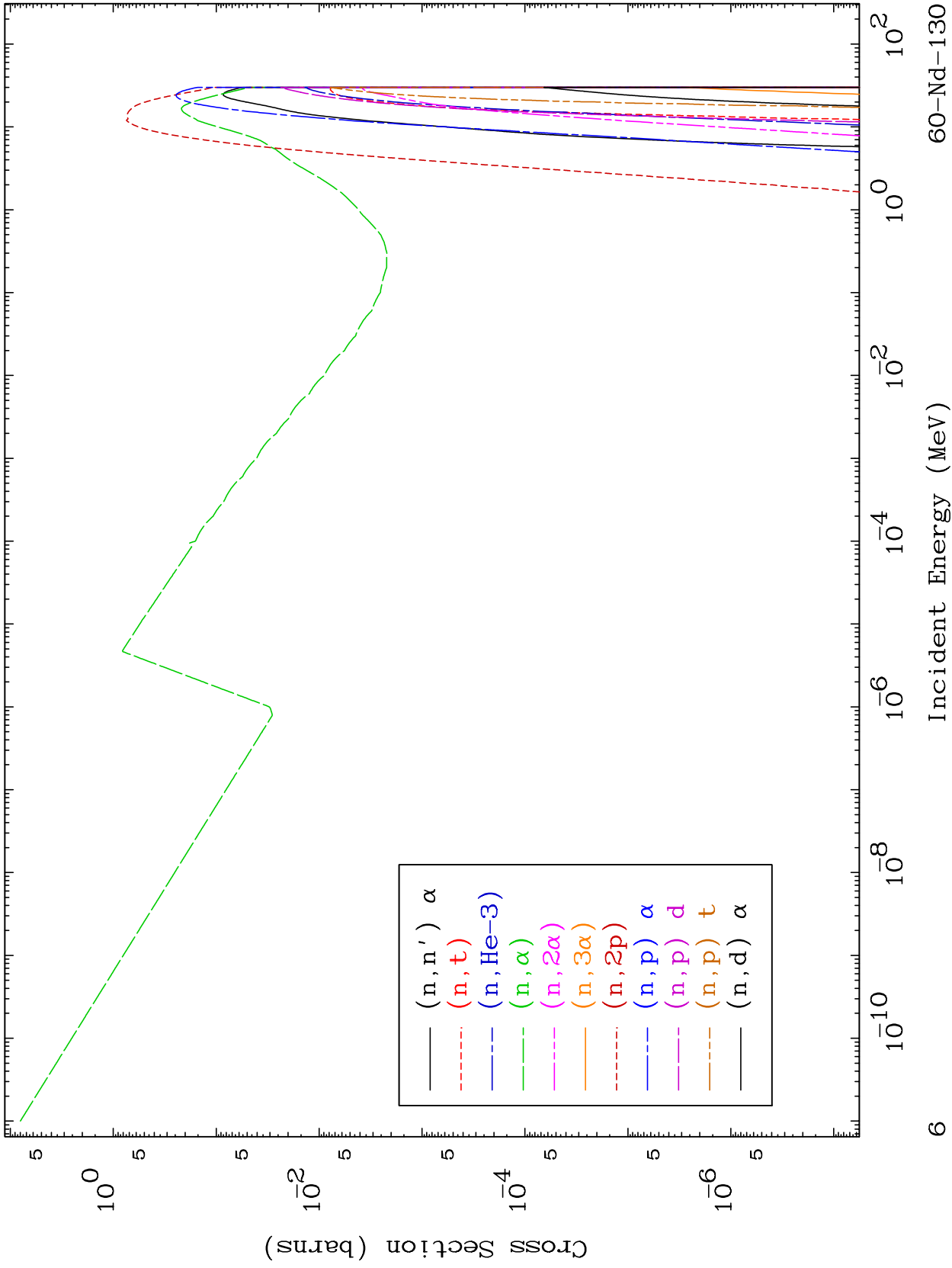
60-Nd-130



MAT 5989

Charged Particle
293 Kelvin Cross Sections

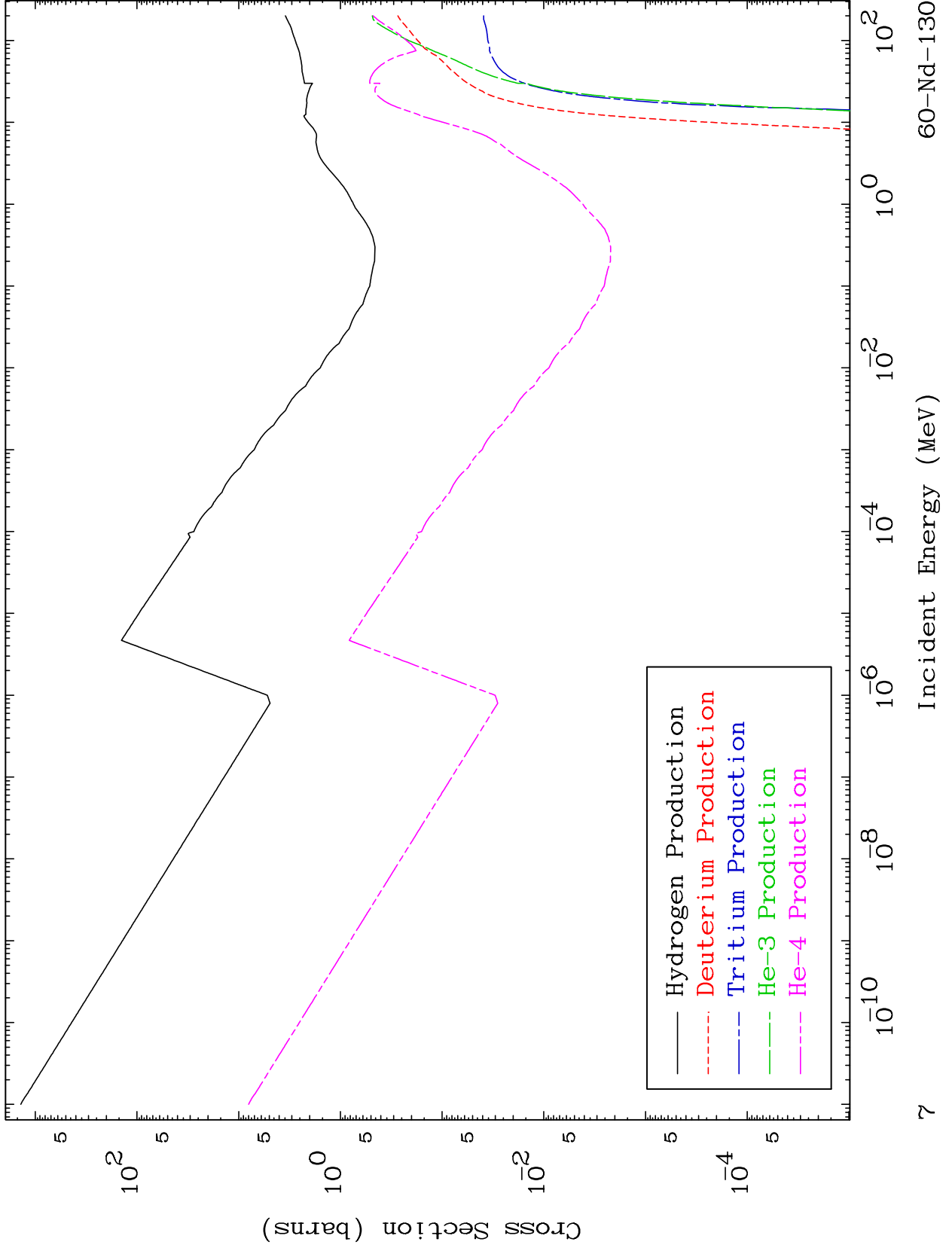
60-Nd-130

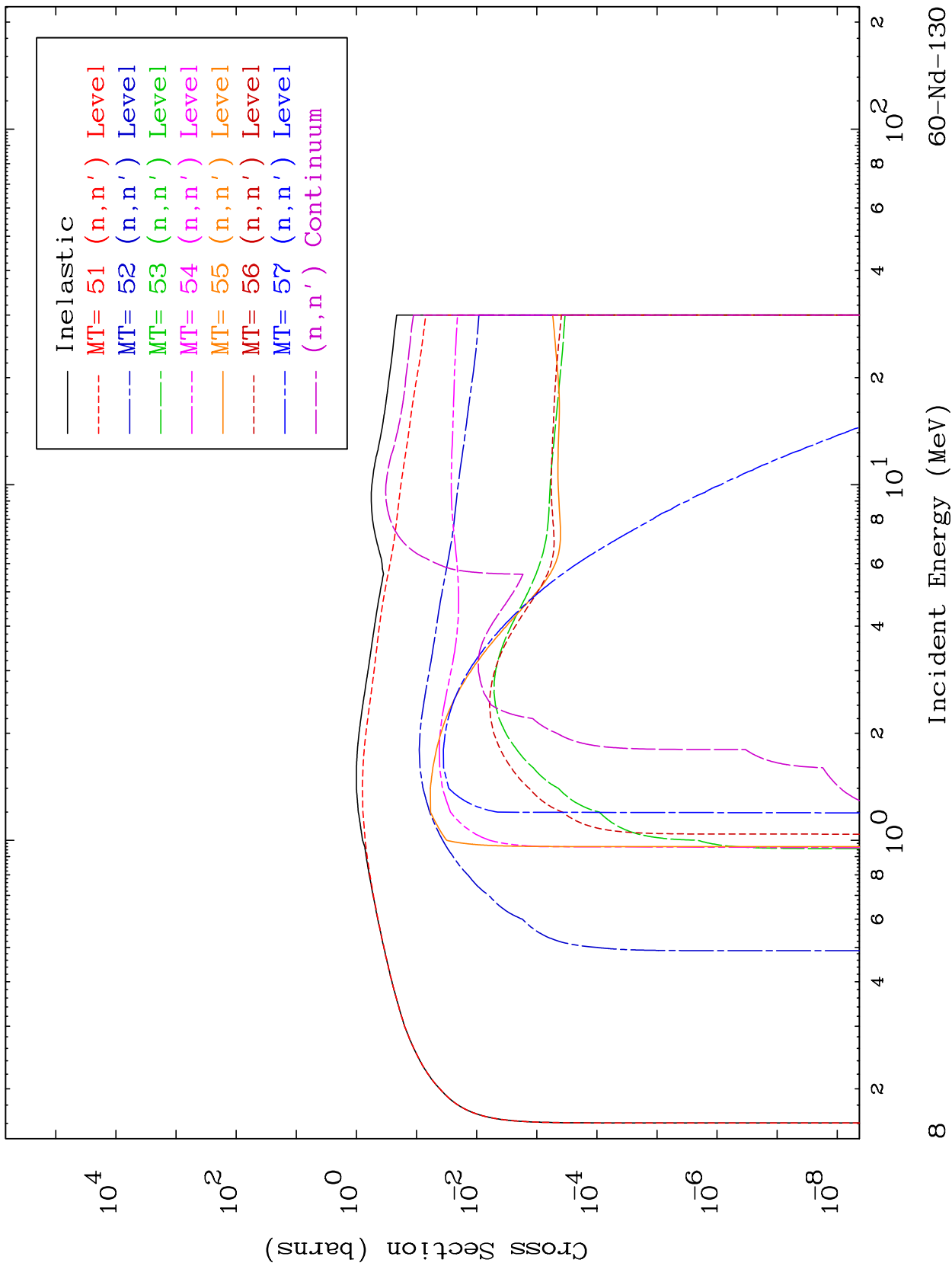


MAT 5989

Particle Production
293 Kelvin Cross Sections

60-Nd-130

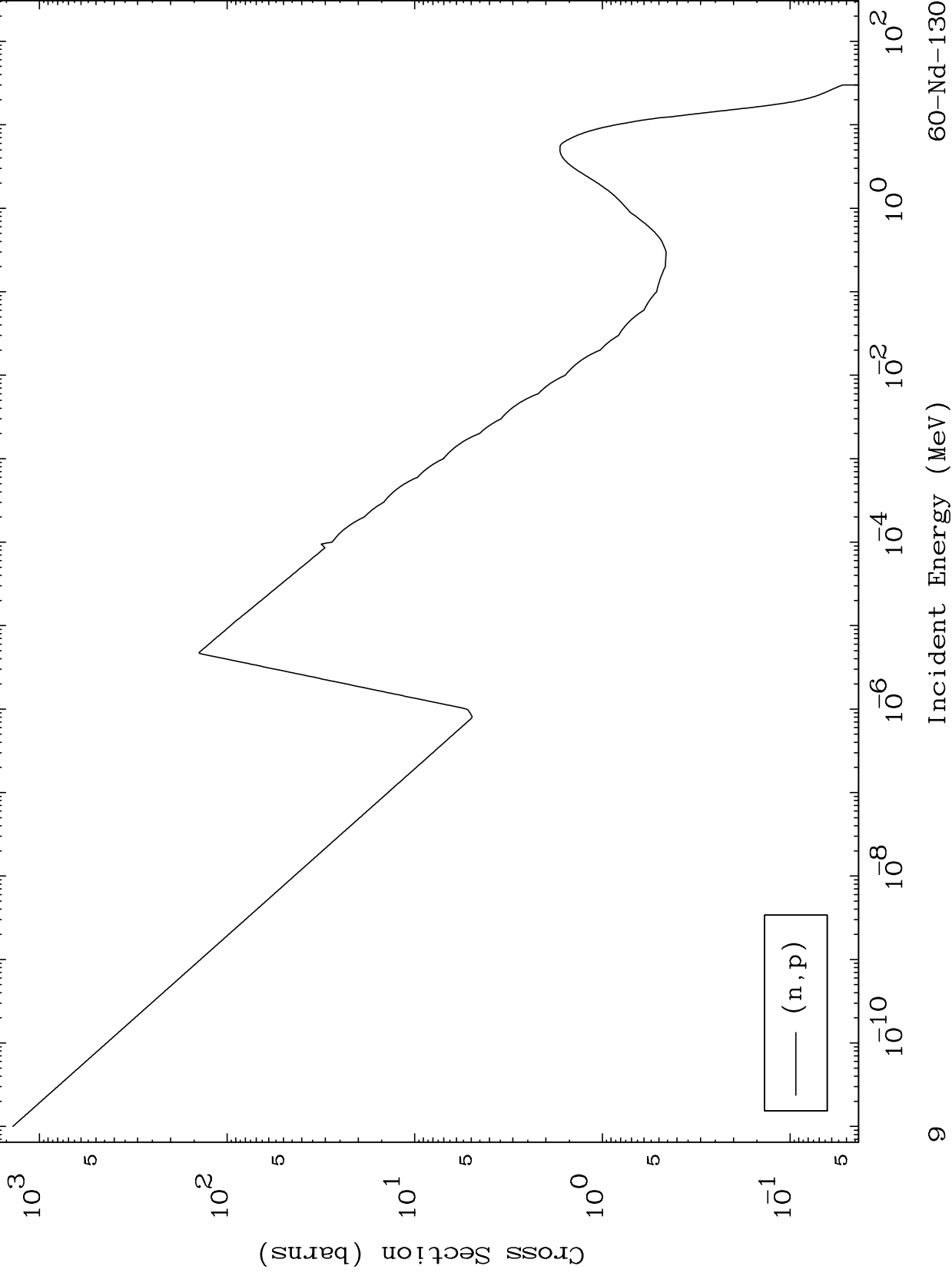




MAT 5989

(n,p) Levels
293 Kelvin Cross Sections

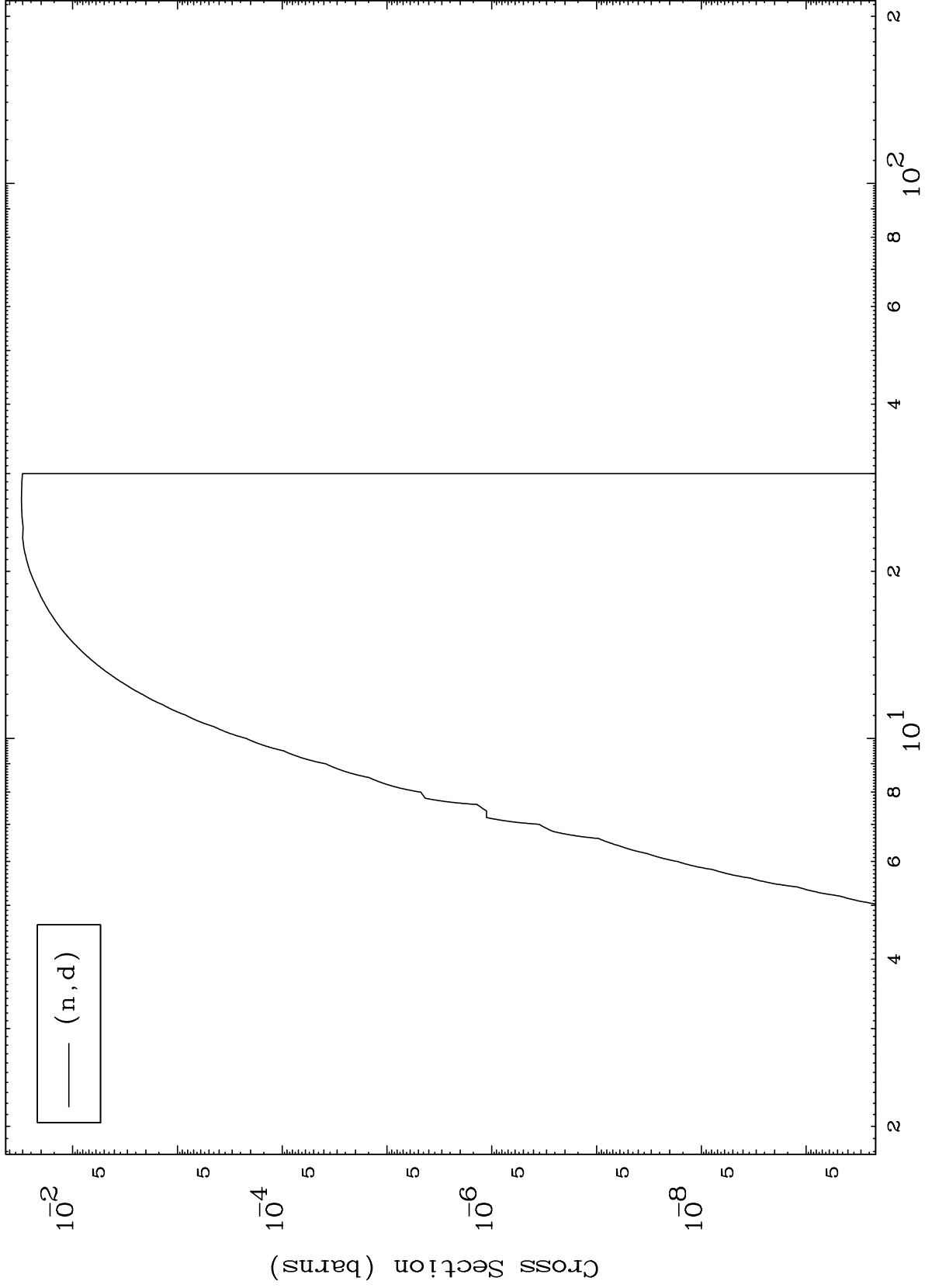
60-Nd-130



MAT 5989

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-130



10

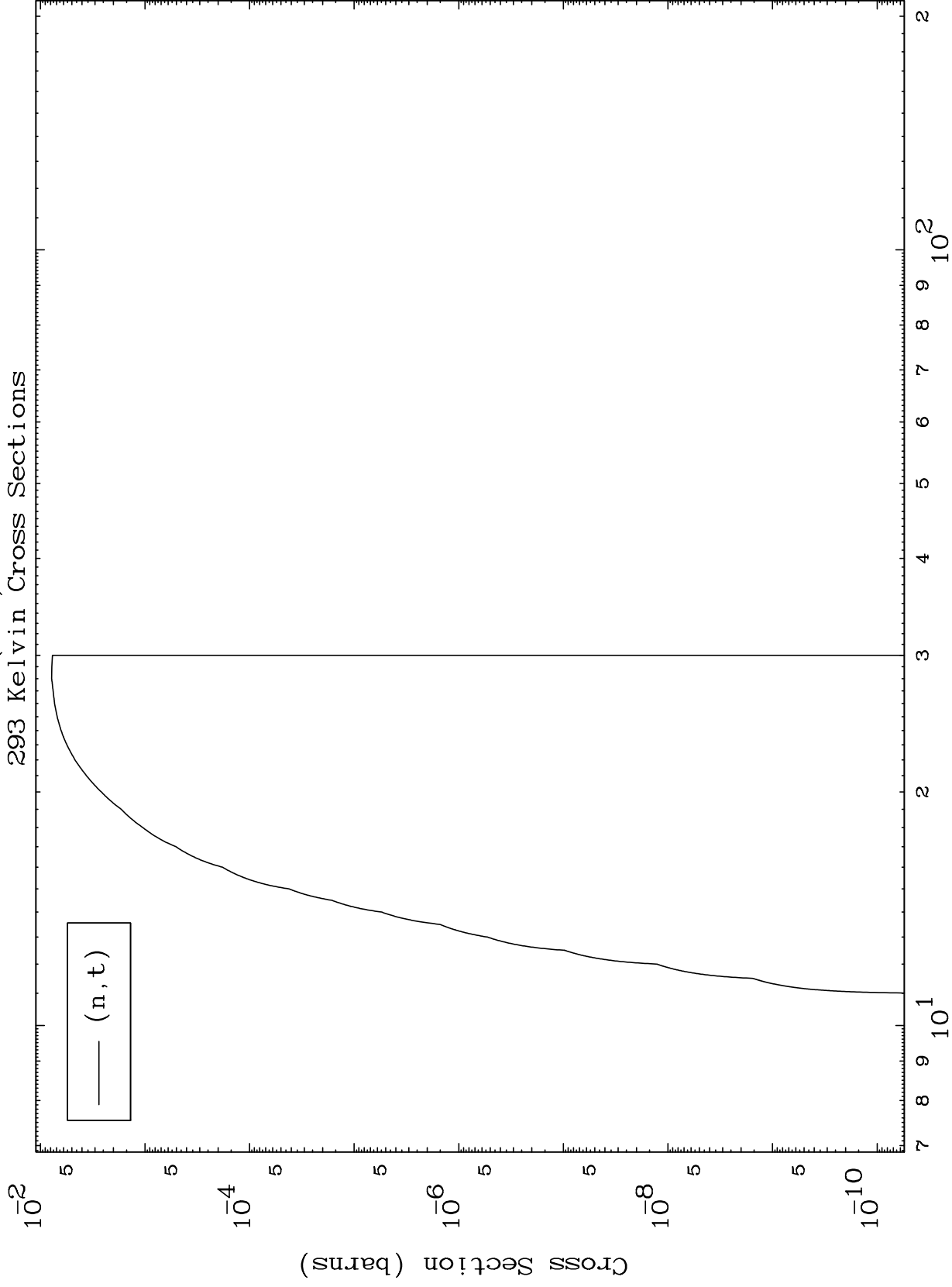
Incident Energy (MeV)

60-Nd-130

MAT 5989

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-130



11

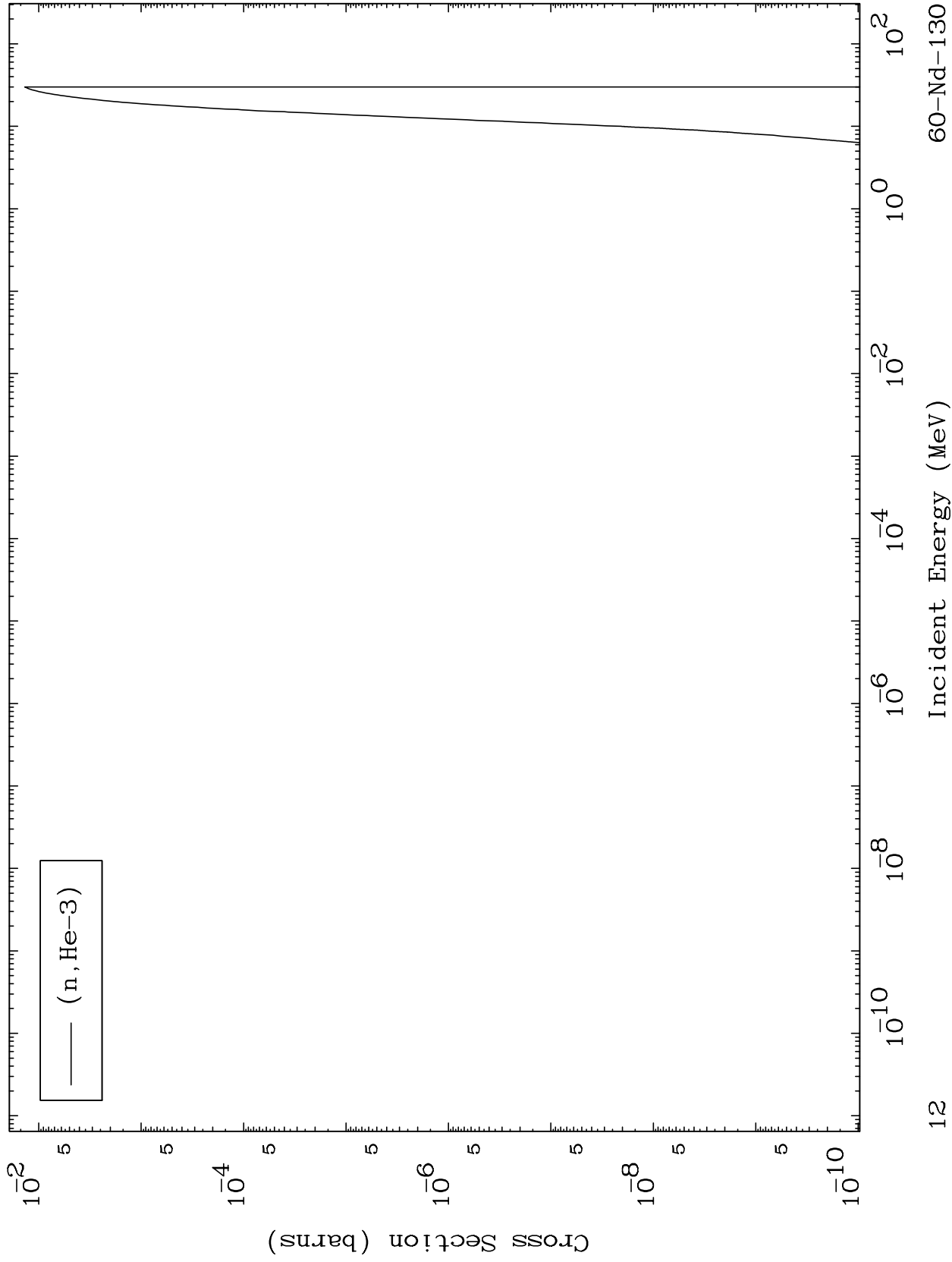
Incident Energy (MeV)

60-Nd-130

MAT 5989

(n,He3) Levels
293 Kelvin Cross Sections

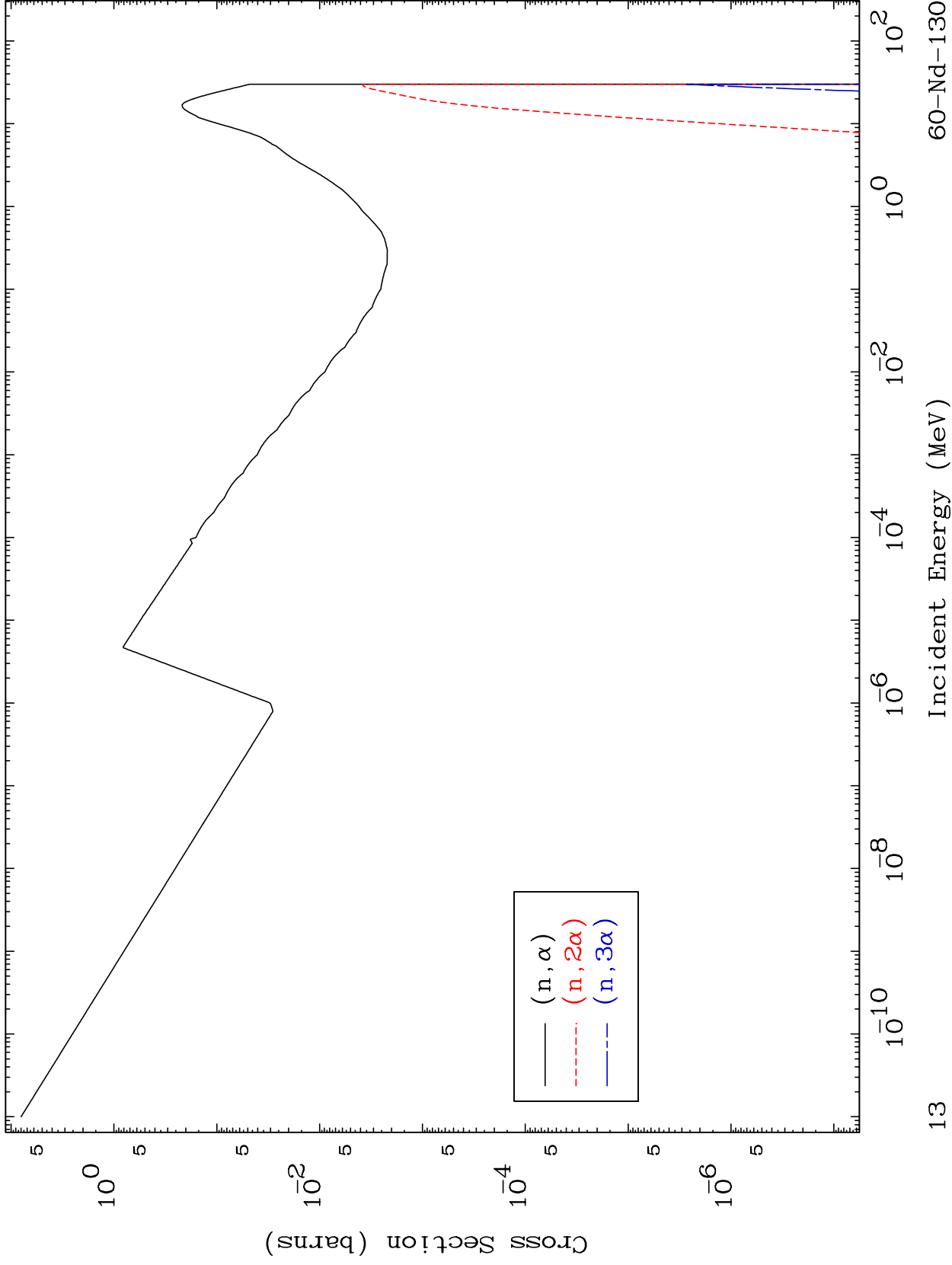
60-Nd-130



MAT 5989

(n, α) Levels
293 Kelvin Cross Sections

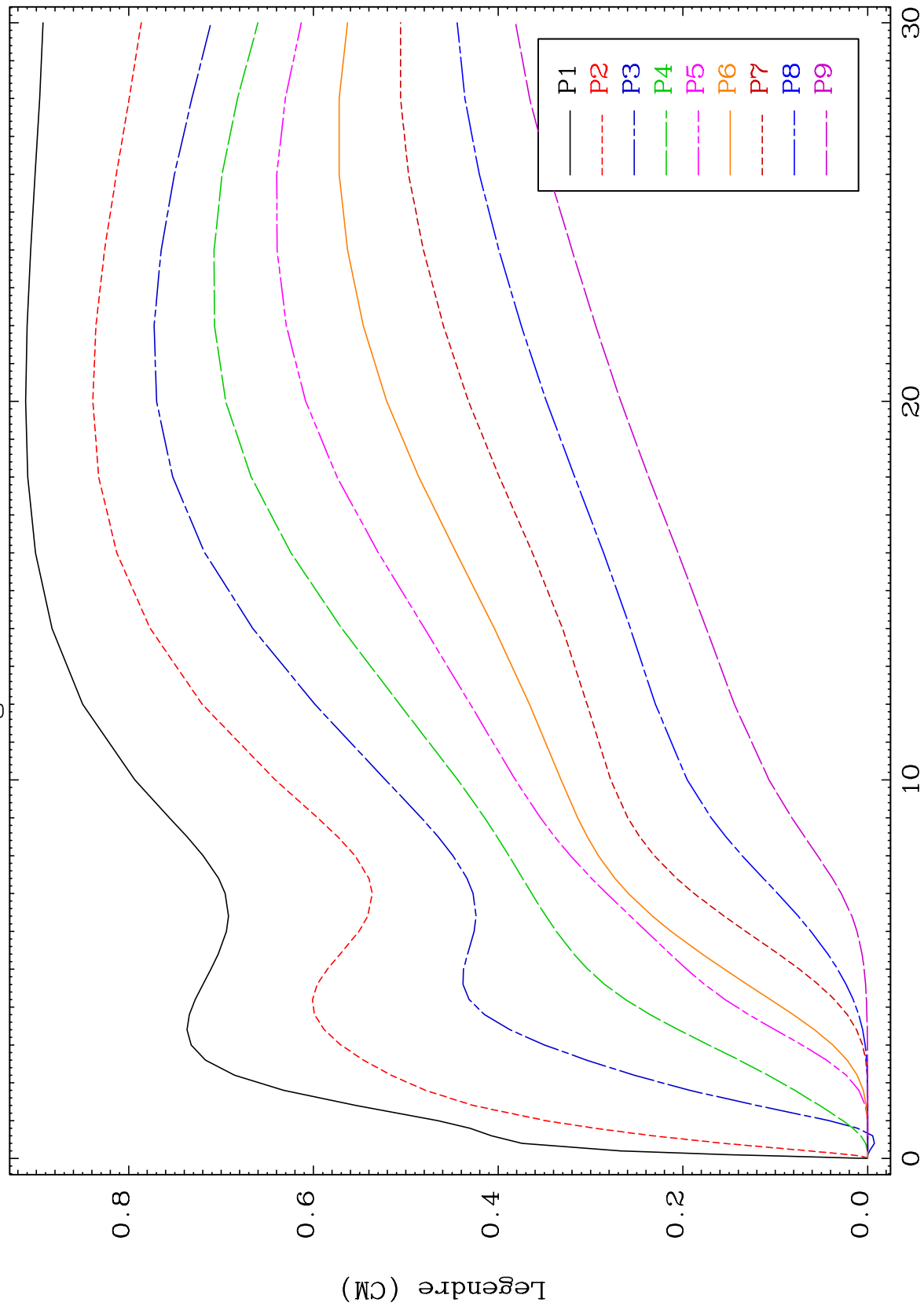
60-Nd-130



MAT 5989

Elastic Legendre Coefficients

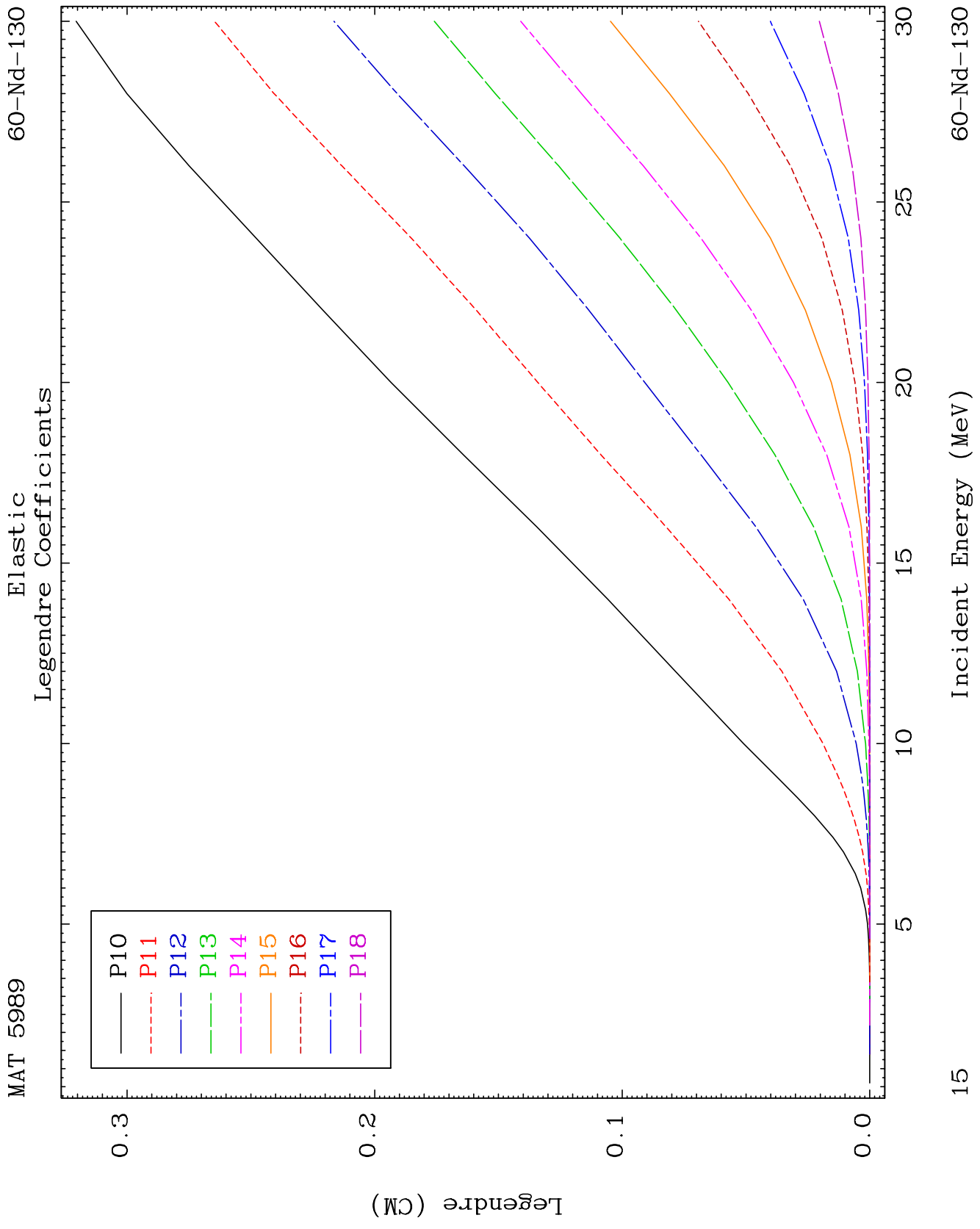
60-Nd-130



14

Incident Energy (MeV)

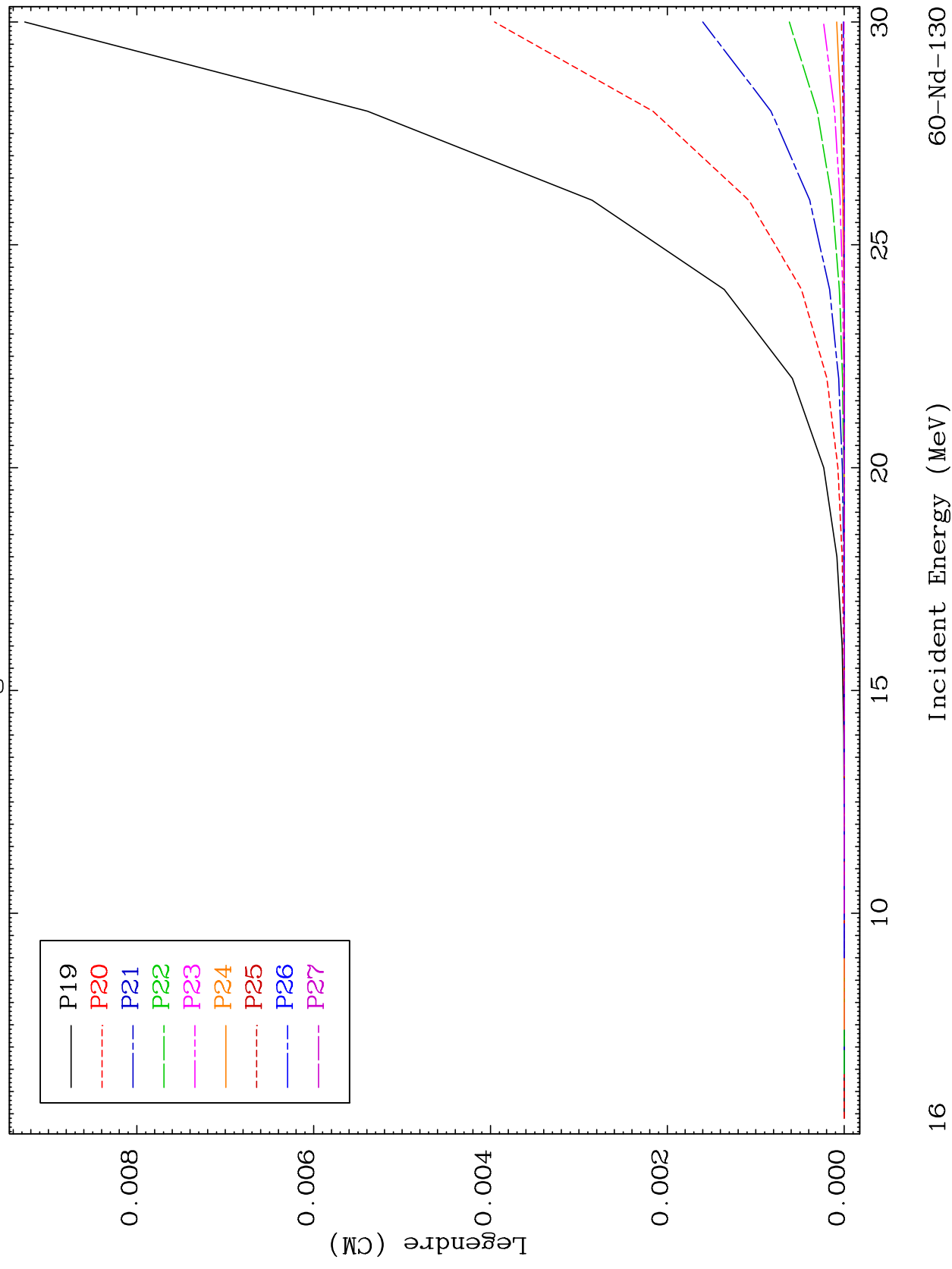
60-Nd-130



MAT 5989

Elastic Legendre Coefficients

60-Nd-130



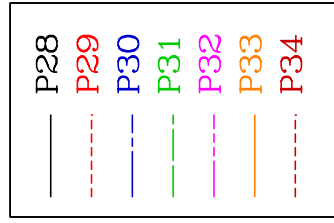
16

60-Nd-130

MAT 5989

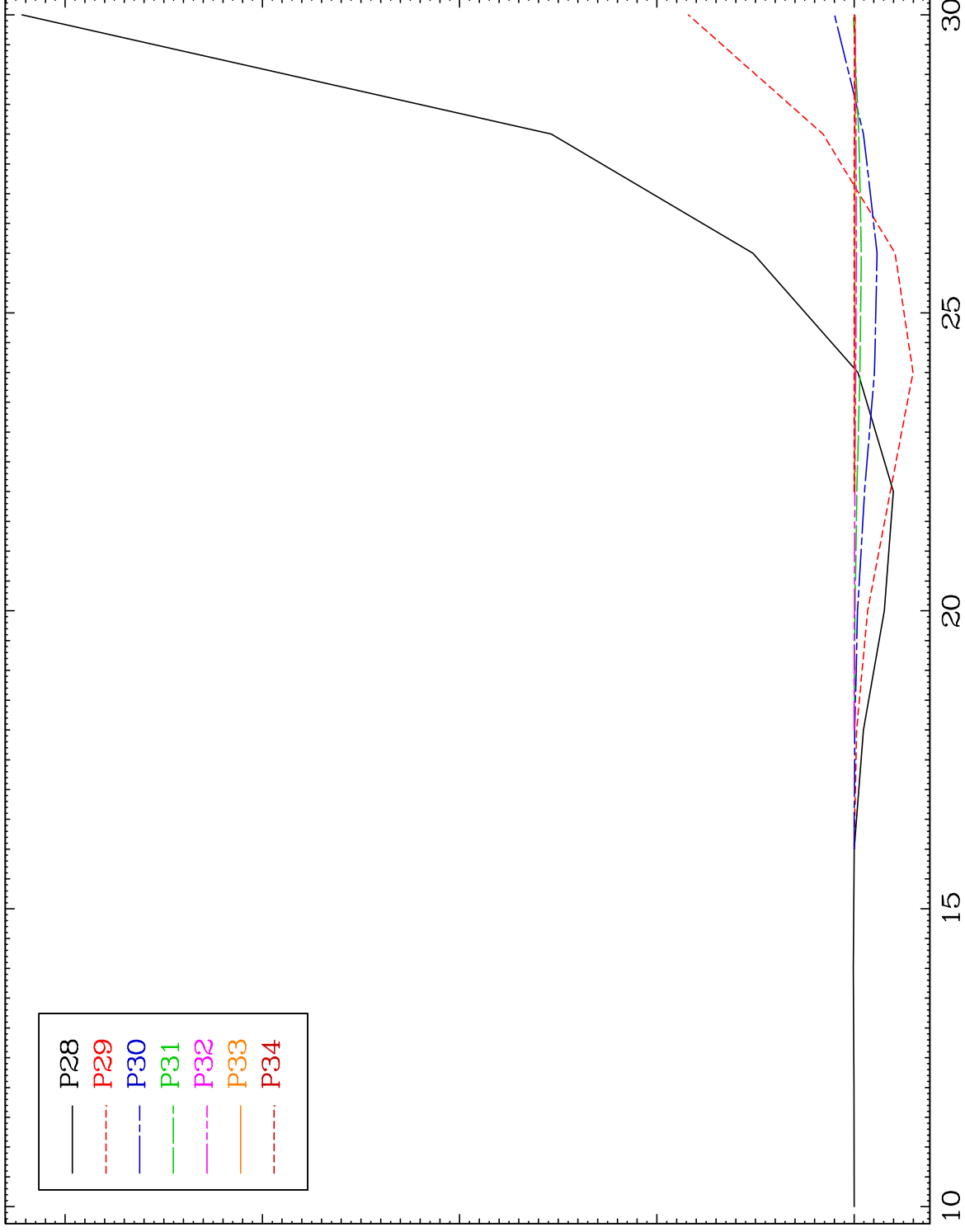
Elastic
Legendre Coefficients

60-Nd-130



$\times 10^{-78}$

Legendre (CM)



10

15

20

25

30

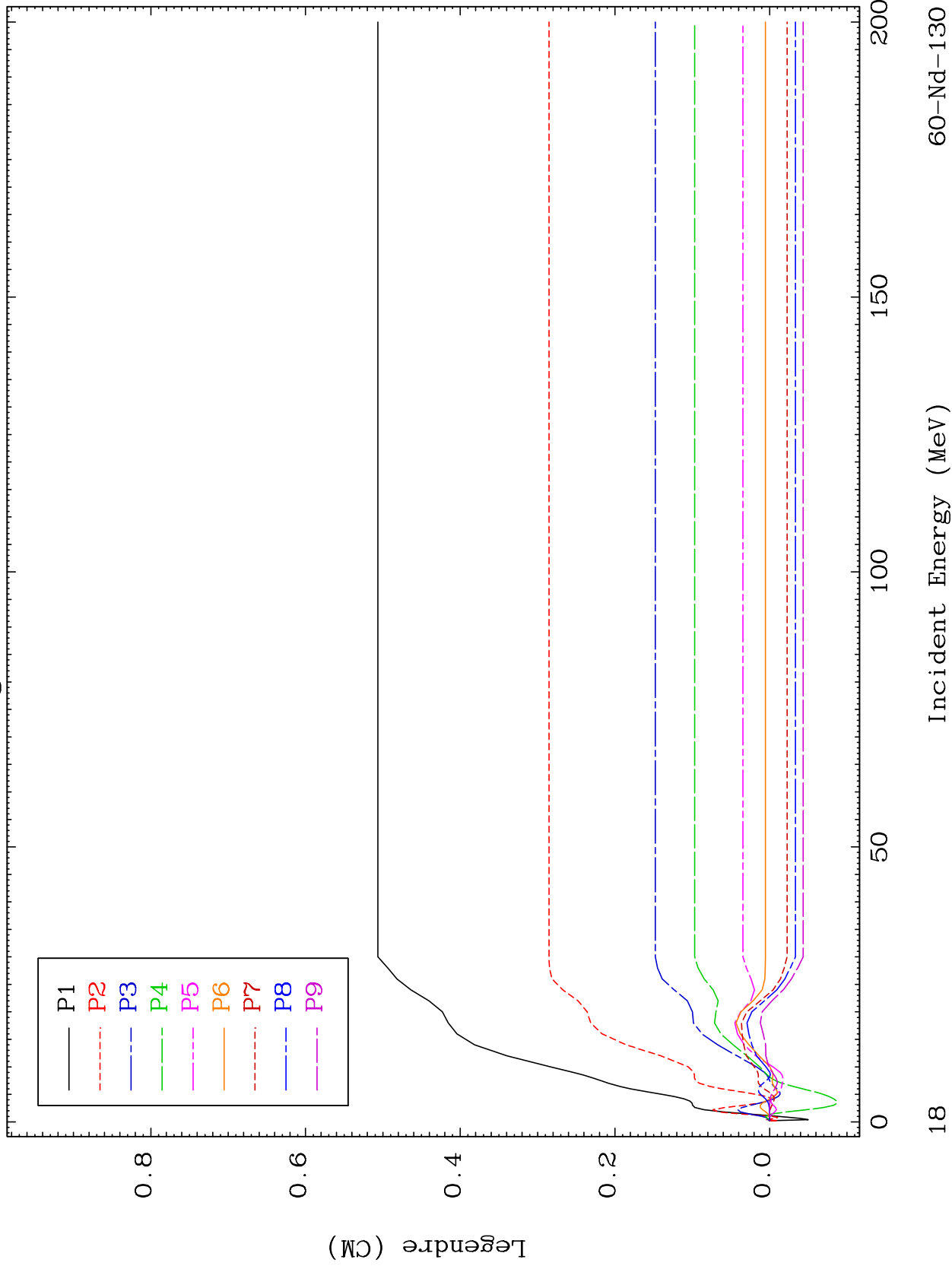
Incident Energy (MeV)

60-Nd-130

MAT 5989

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

60-Nd-130



18

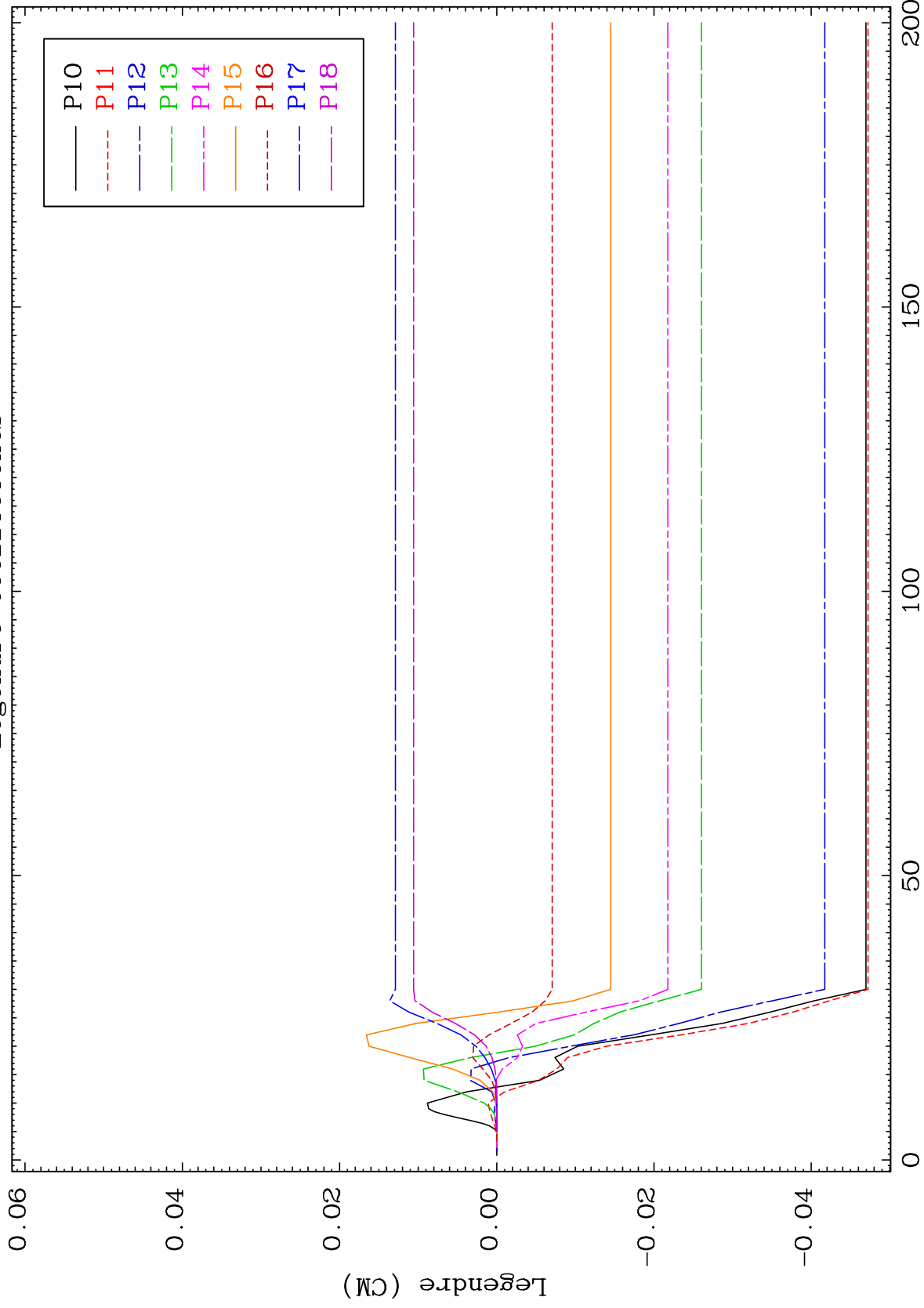
Incident Energy (MeV)

60-Nd-130

MAT 5989

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

60-Nd-130



19

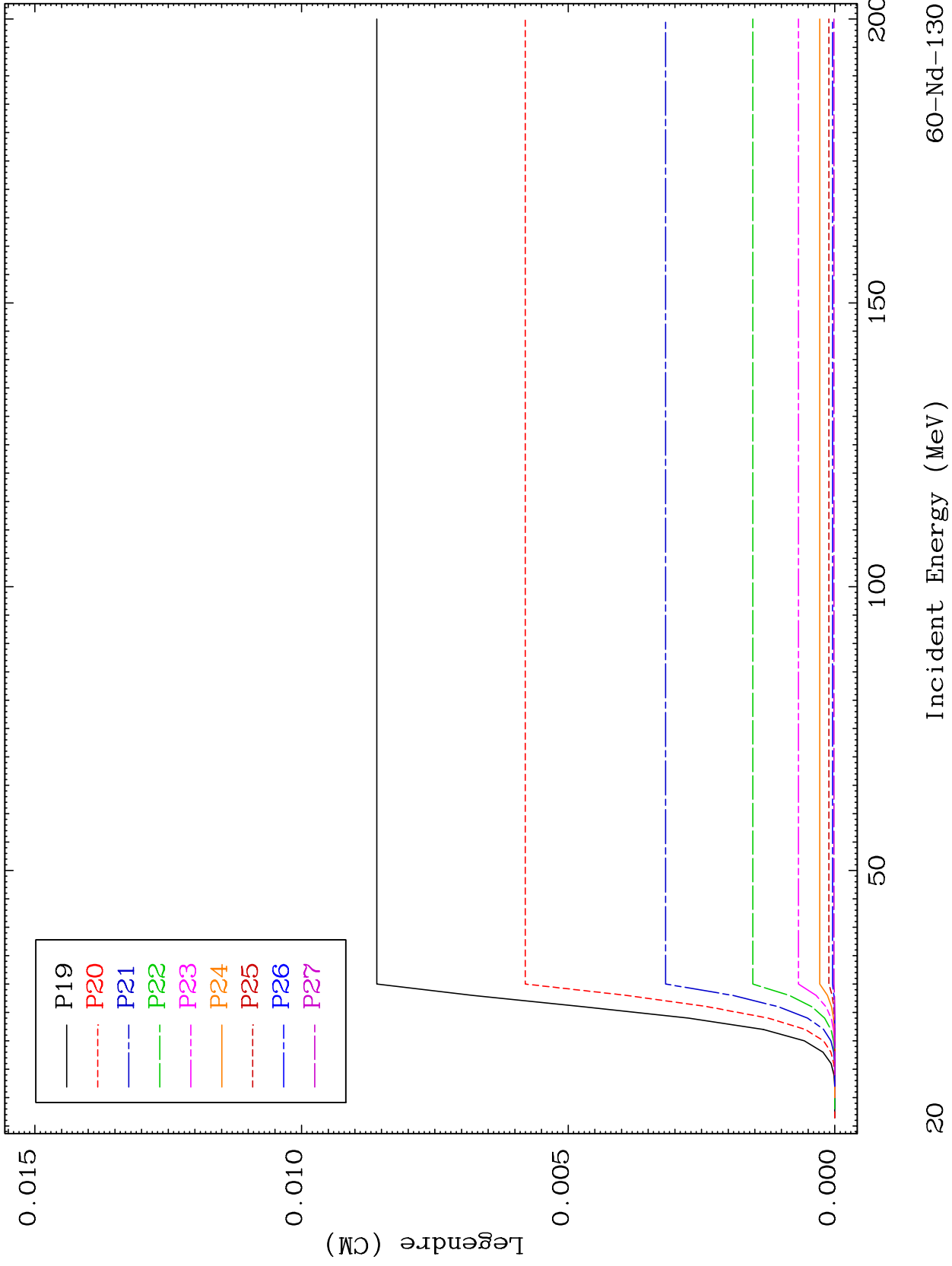
Incident Energy (MeV)

60-Nd-130

MAT 5989

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

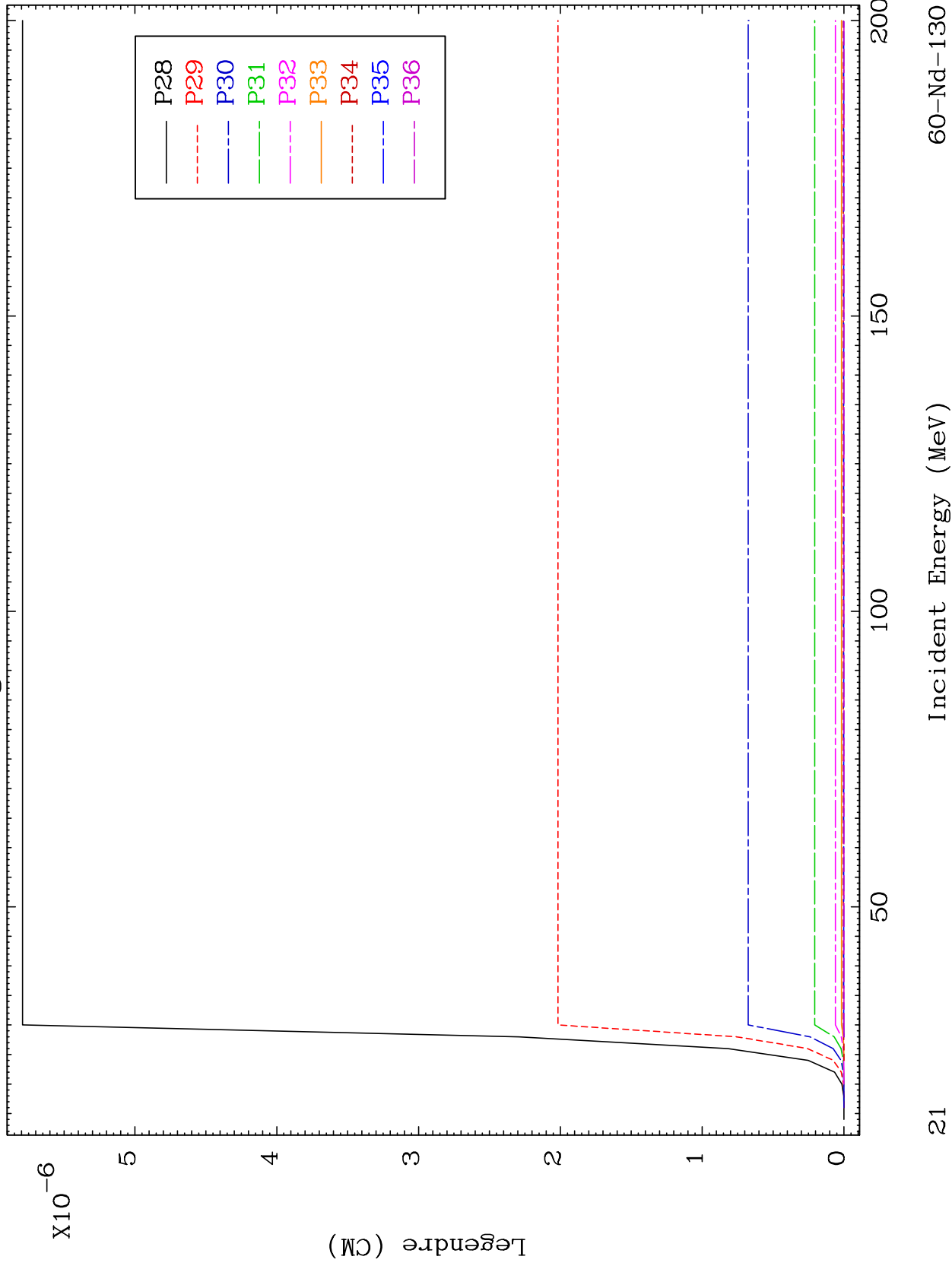
60-Nd-130



MAT 5989

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

60-Nd-130



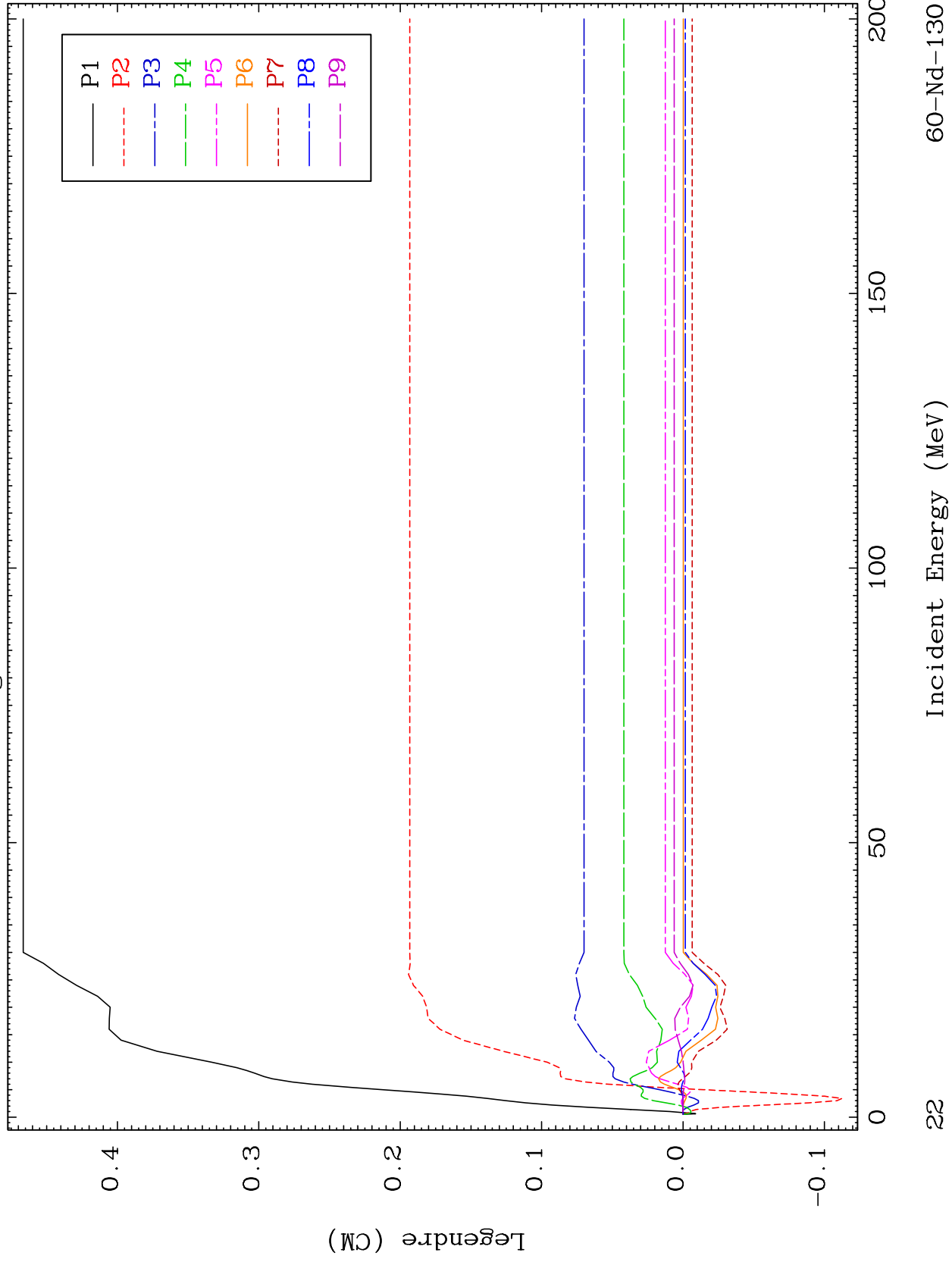
21

60-Nd-130

MAT 5989

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

60-Nd-130



60-Nd-130

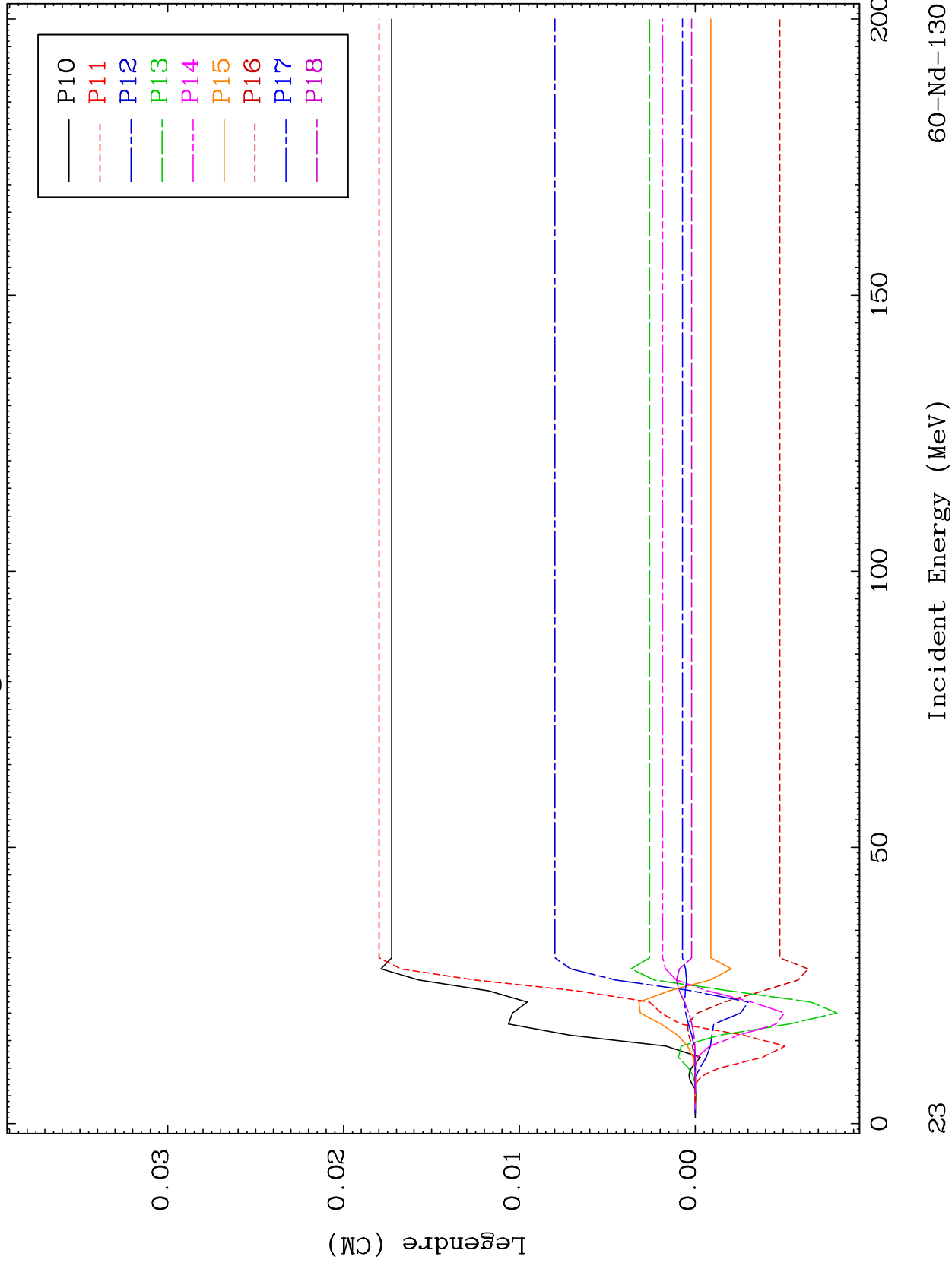
Incident Energy (MeV)

22

MAT 5989

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

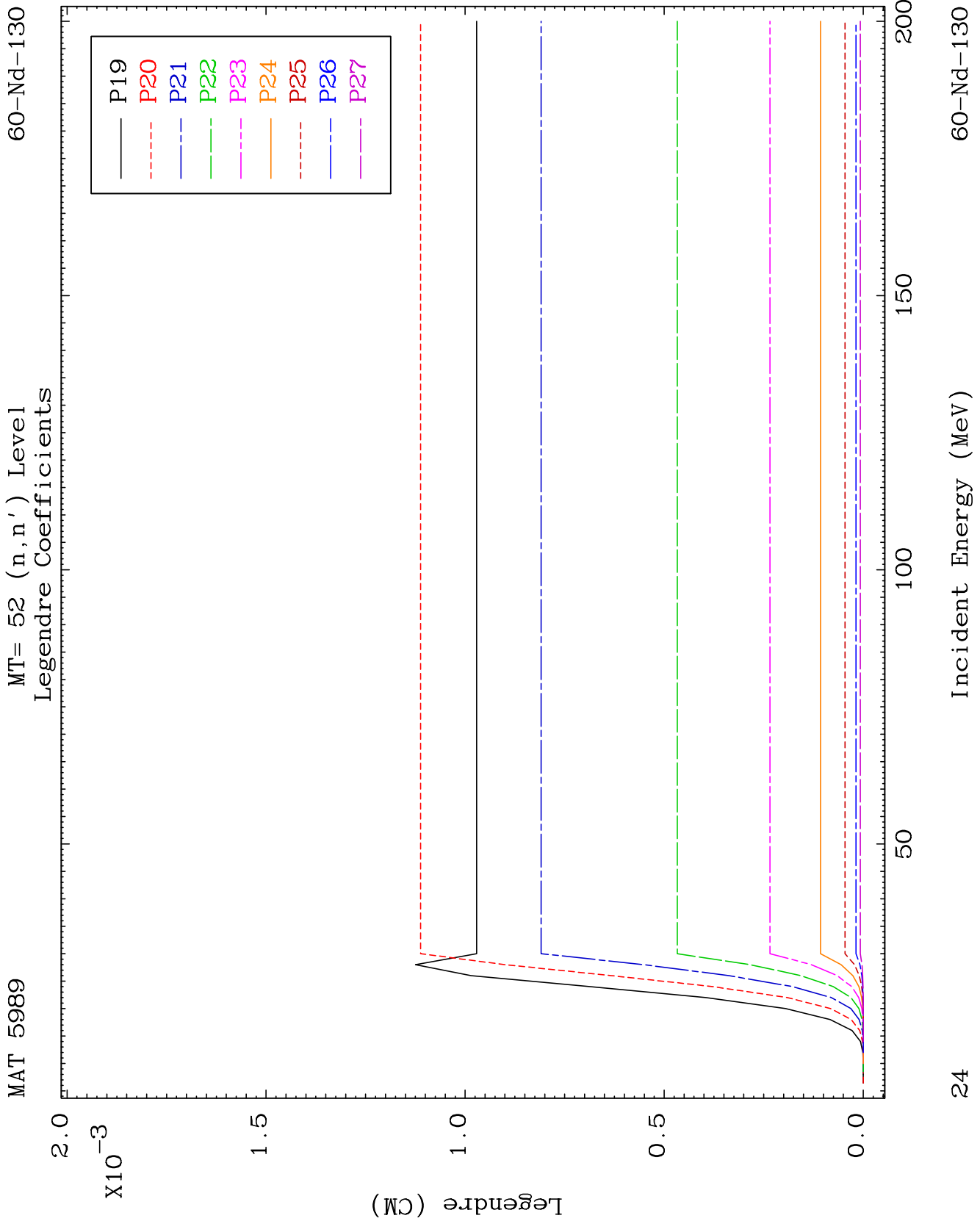
60-Nd-130



23

Incident Energy (MeV)

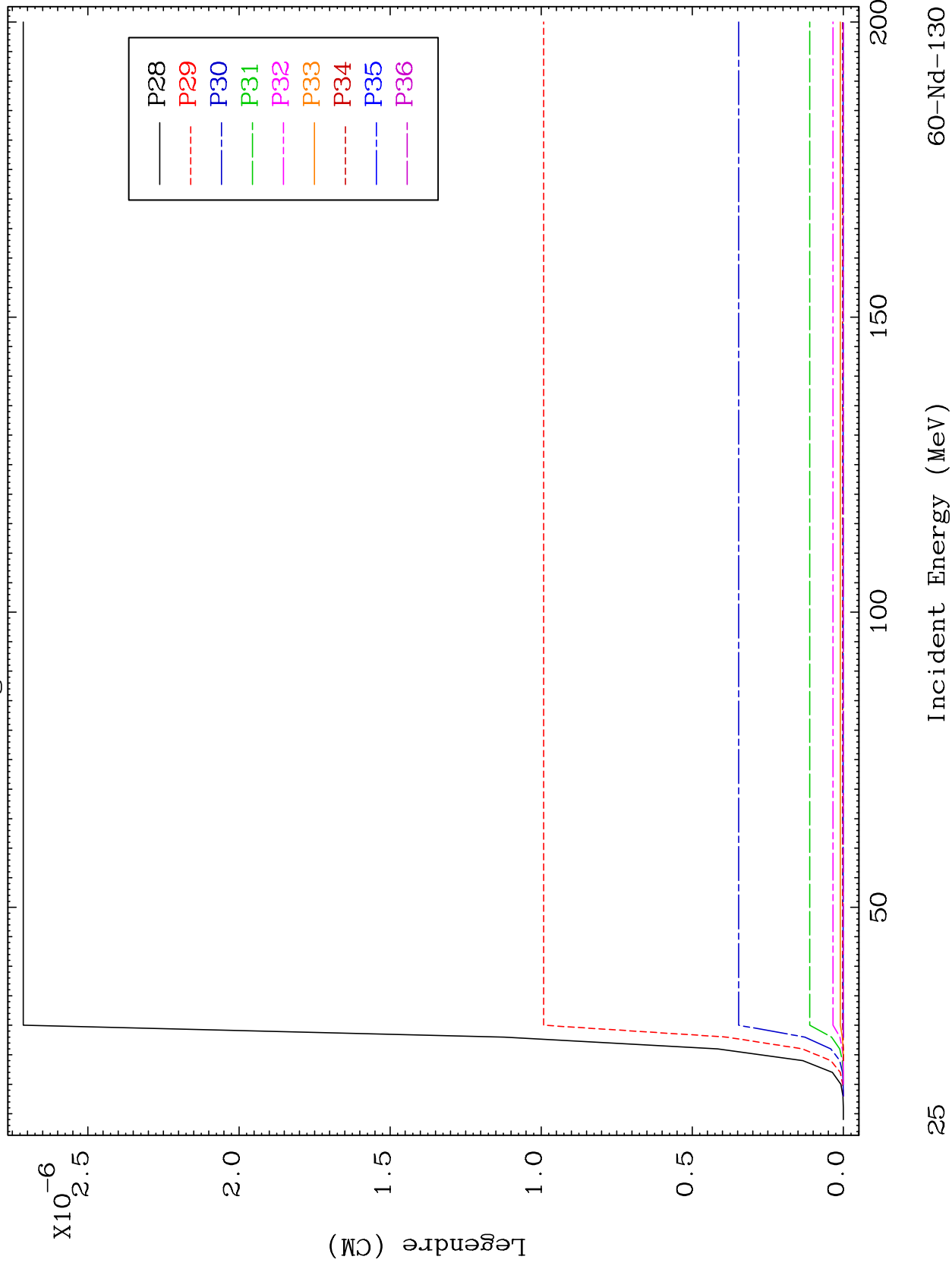
60-Nd-130



MAT 5989

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

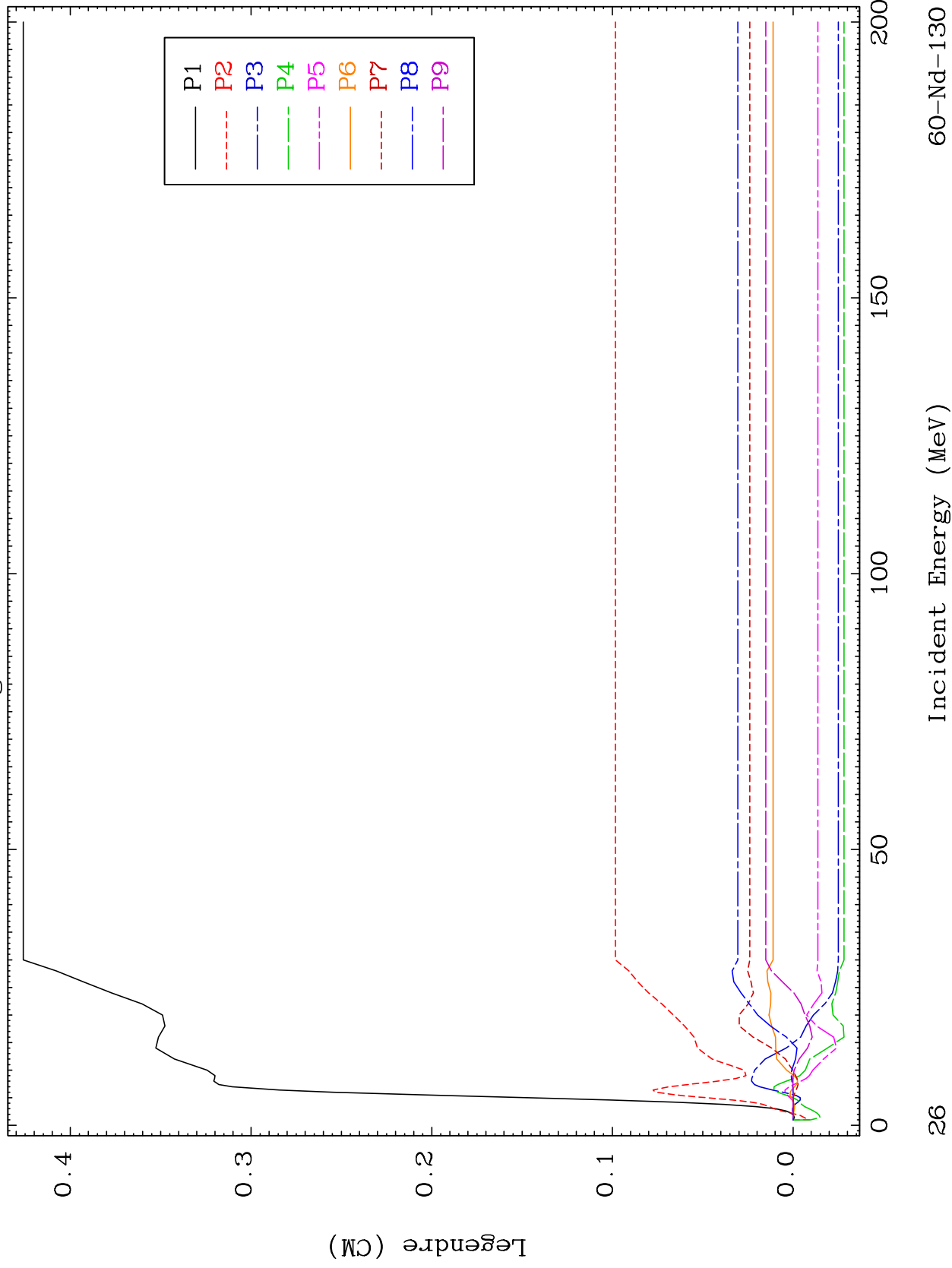
60-Nd-130



MAT 5989

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

60-Nd-130



26

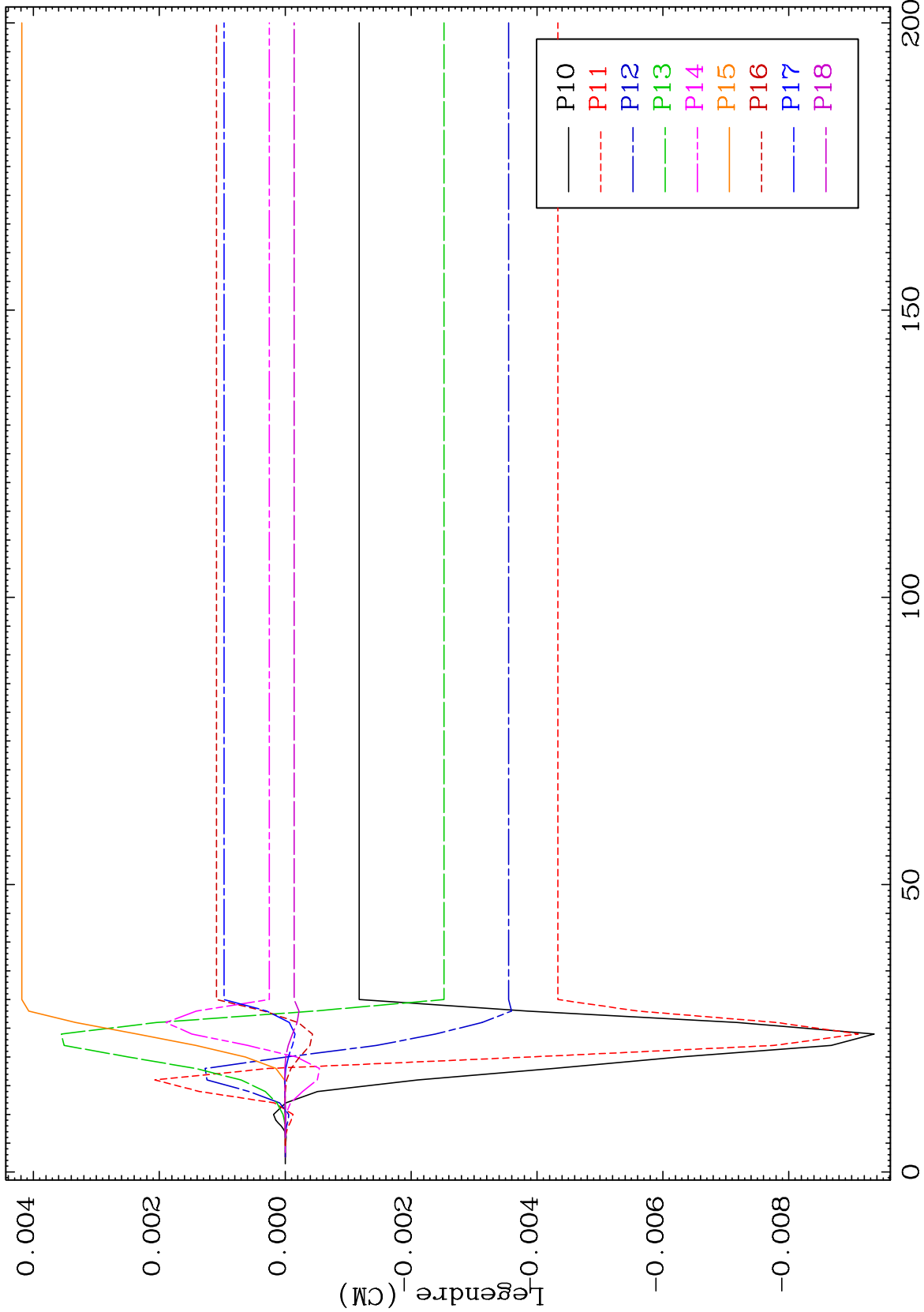
Incident Energy (MeV)

60-Nd-130

MAT 5989

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

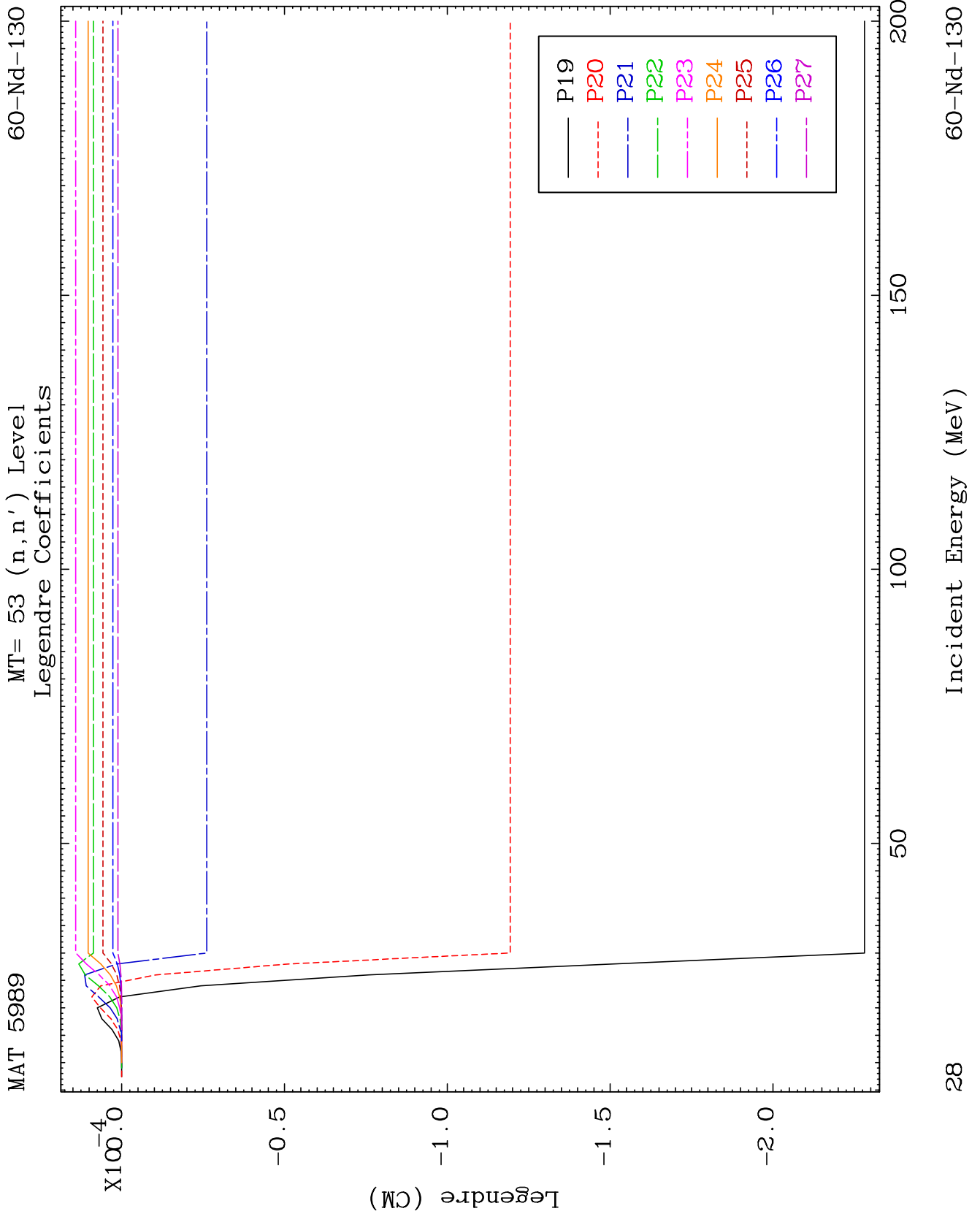
60-Nd-130



27

Incident Energy (MeV)

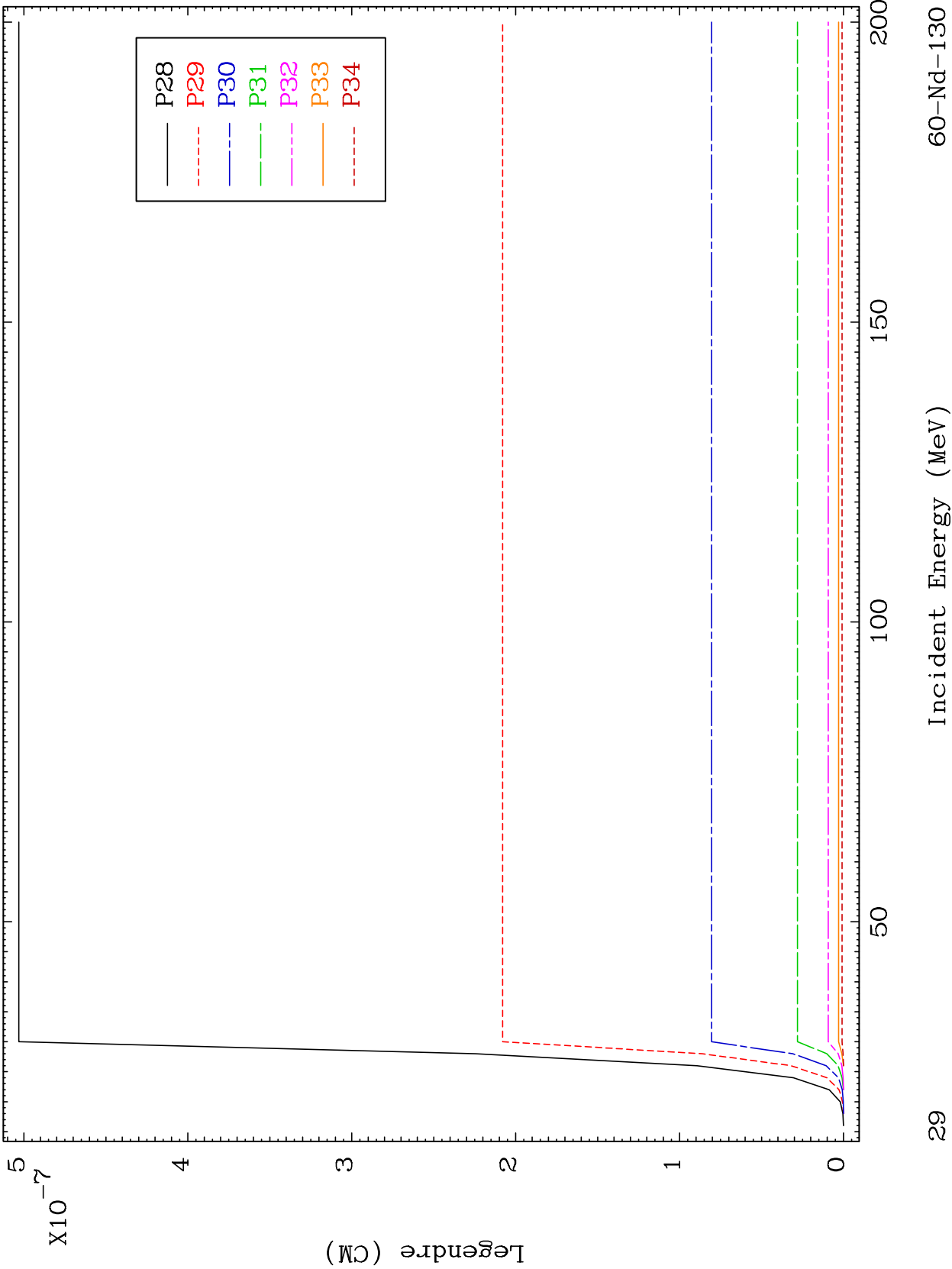
60-Nd-130



MAT 5989

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

60-Nd-130

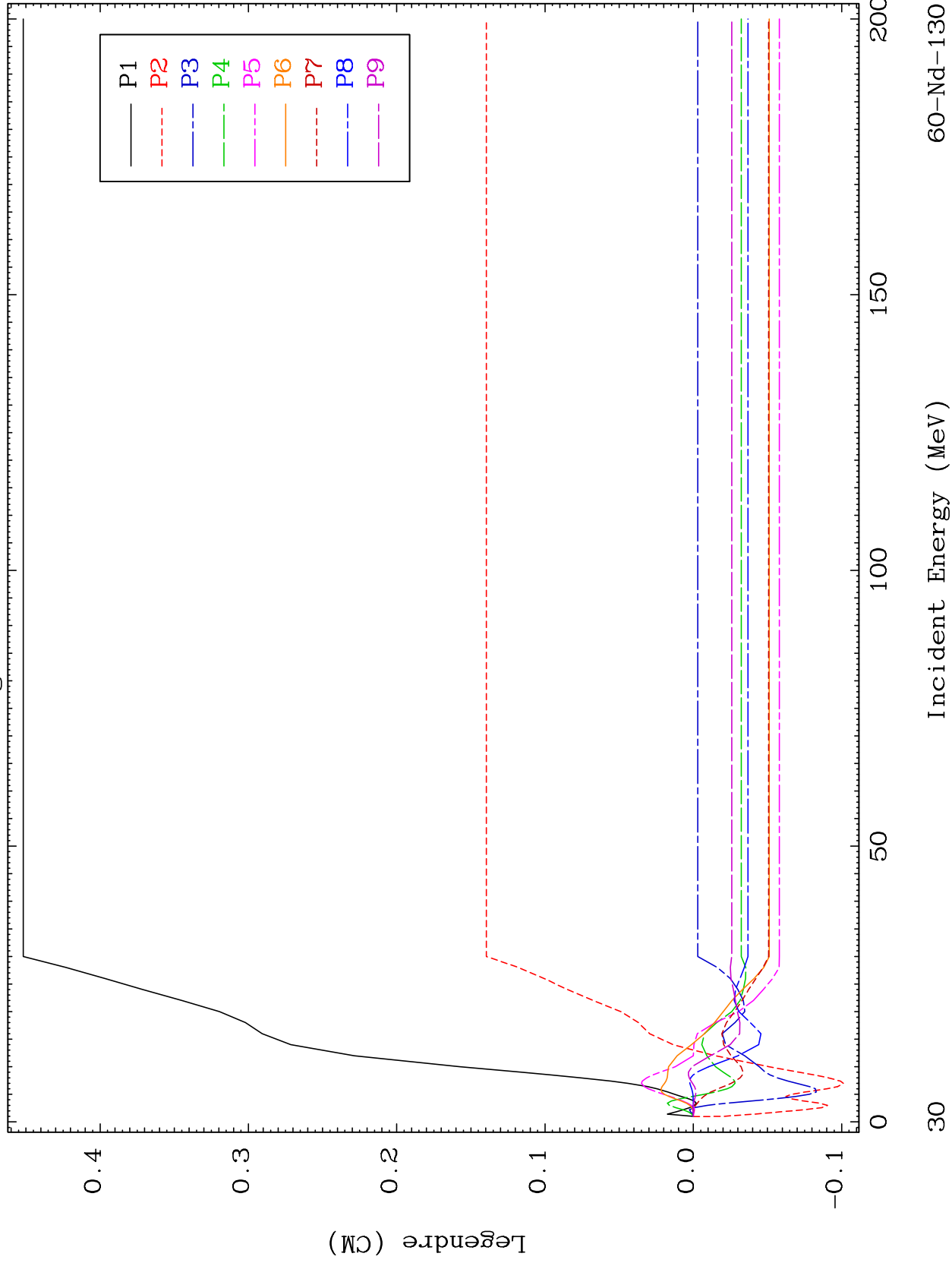


29

MAT 5989

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

60-Nd-130



60-Nd-130

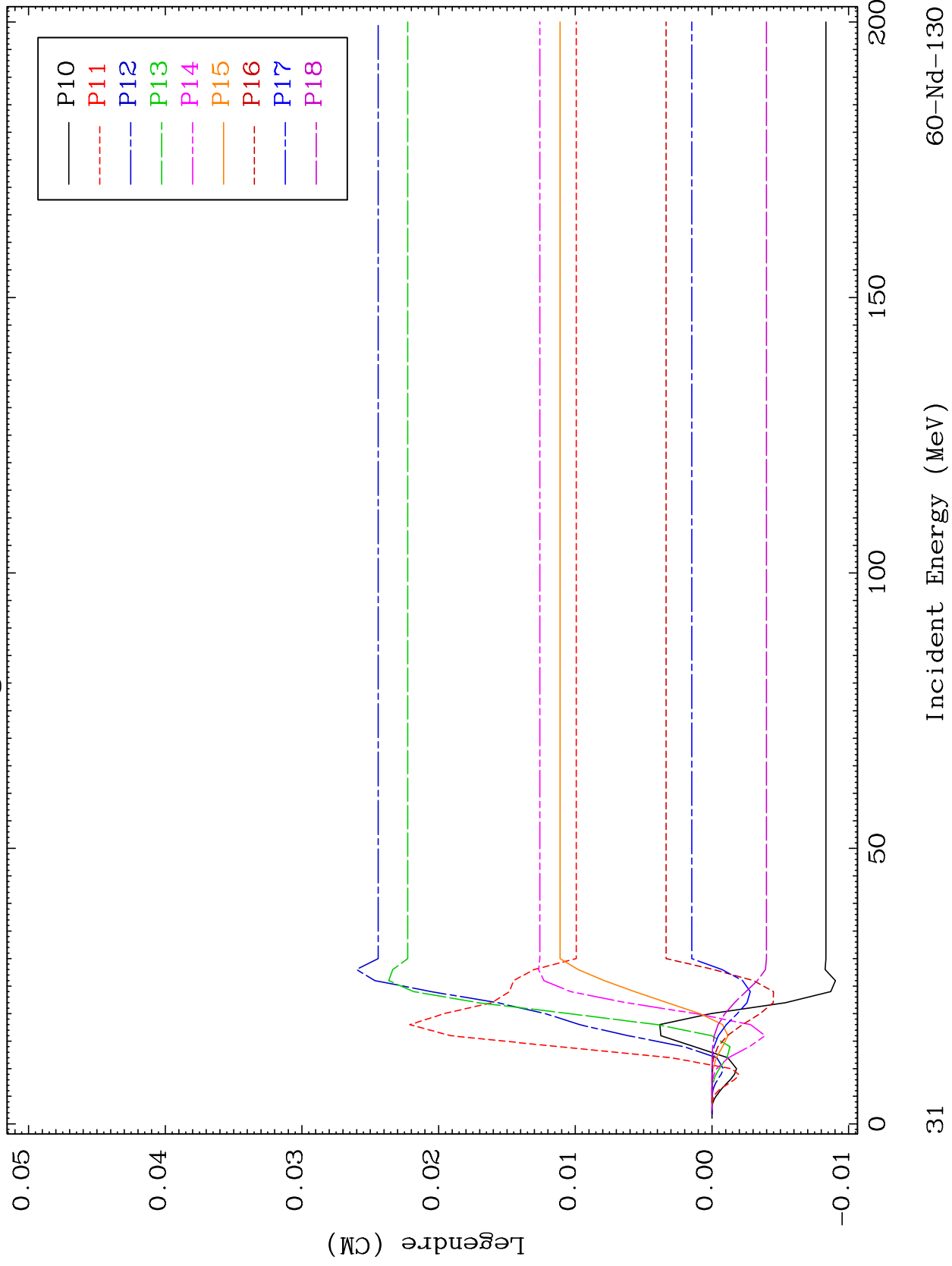
Incident Energy (MeV)

30

MAT 5989

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

60-Nd-130



31

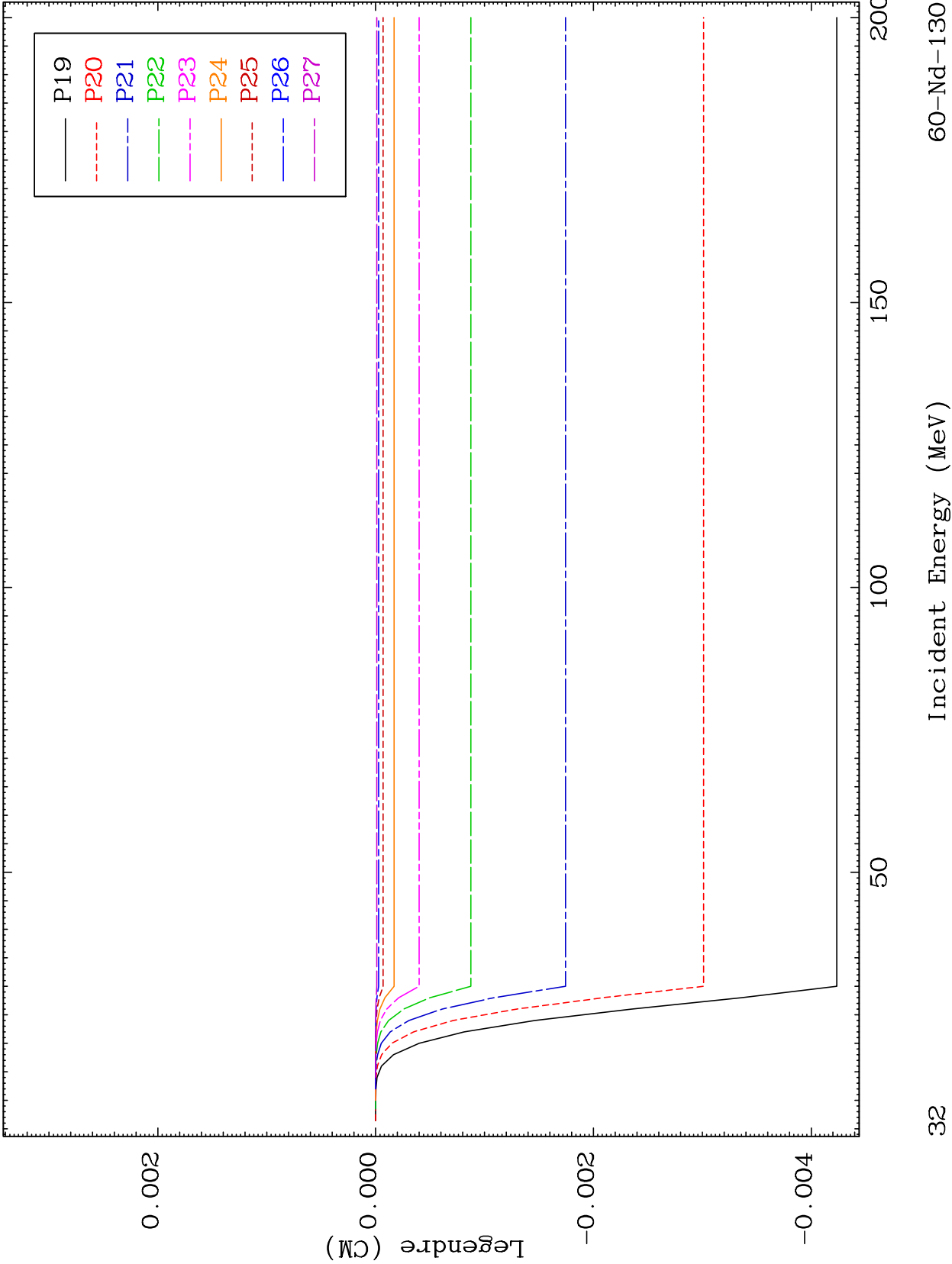
Incident Energy (MeV)

60-Nd-130

MAT 5989

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

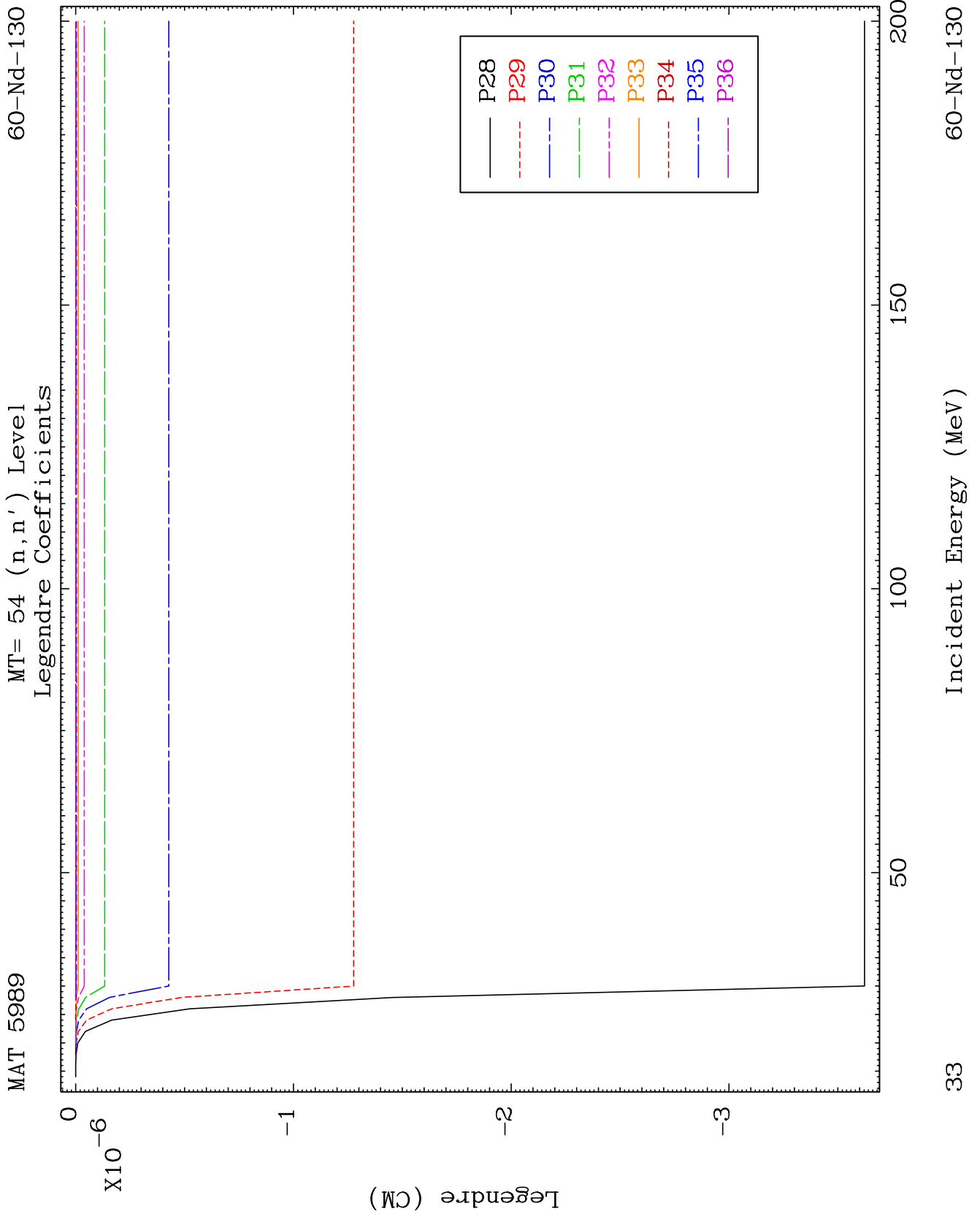
60-Nd-130



32

Incident Energy (MeV)

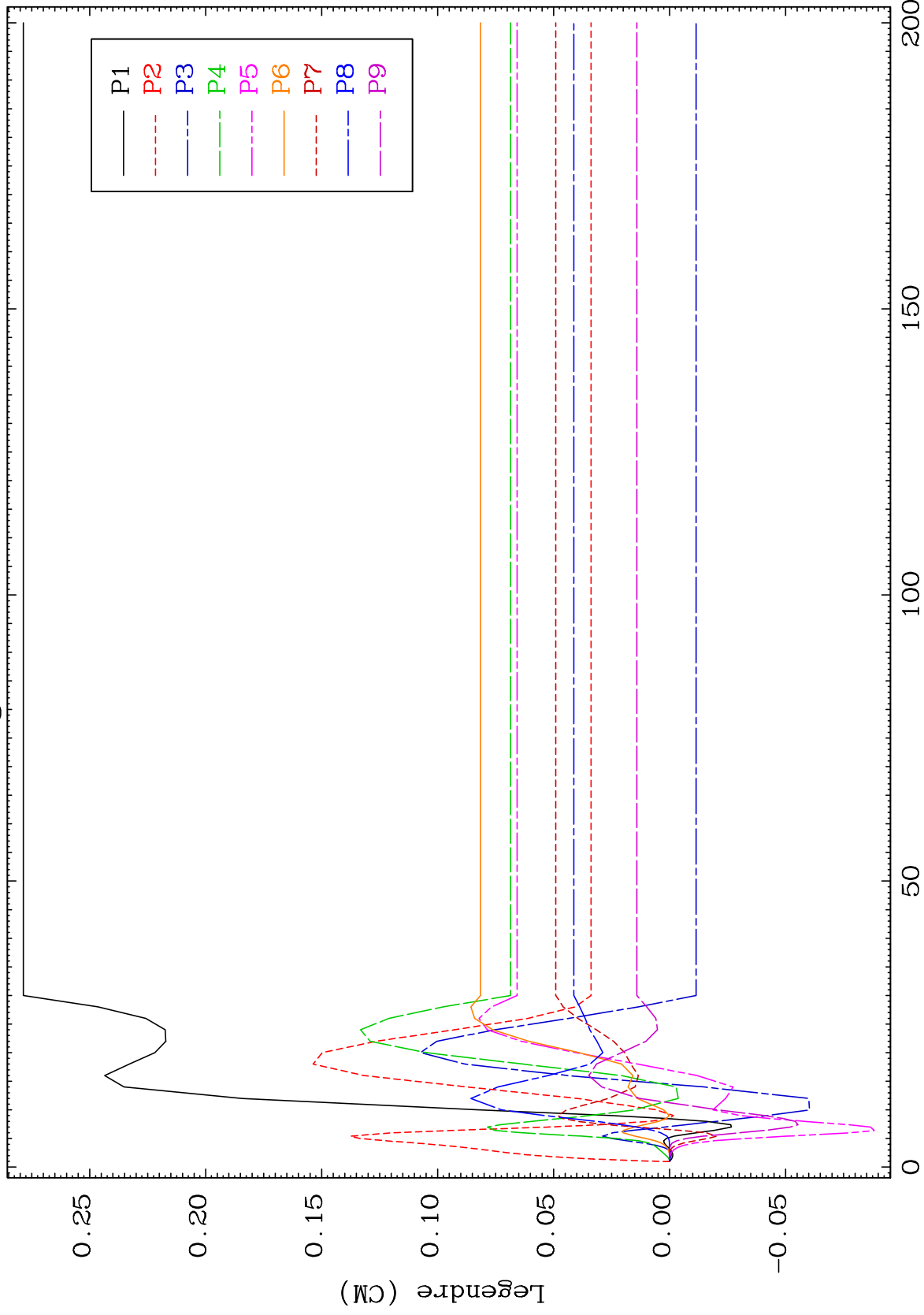
60-Nd-130



MAT 5989

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

60-Nd-130



60-Nd-130

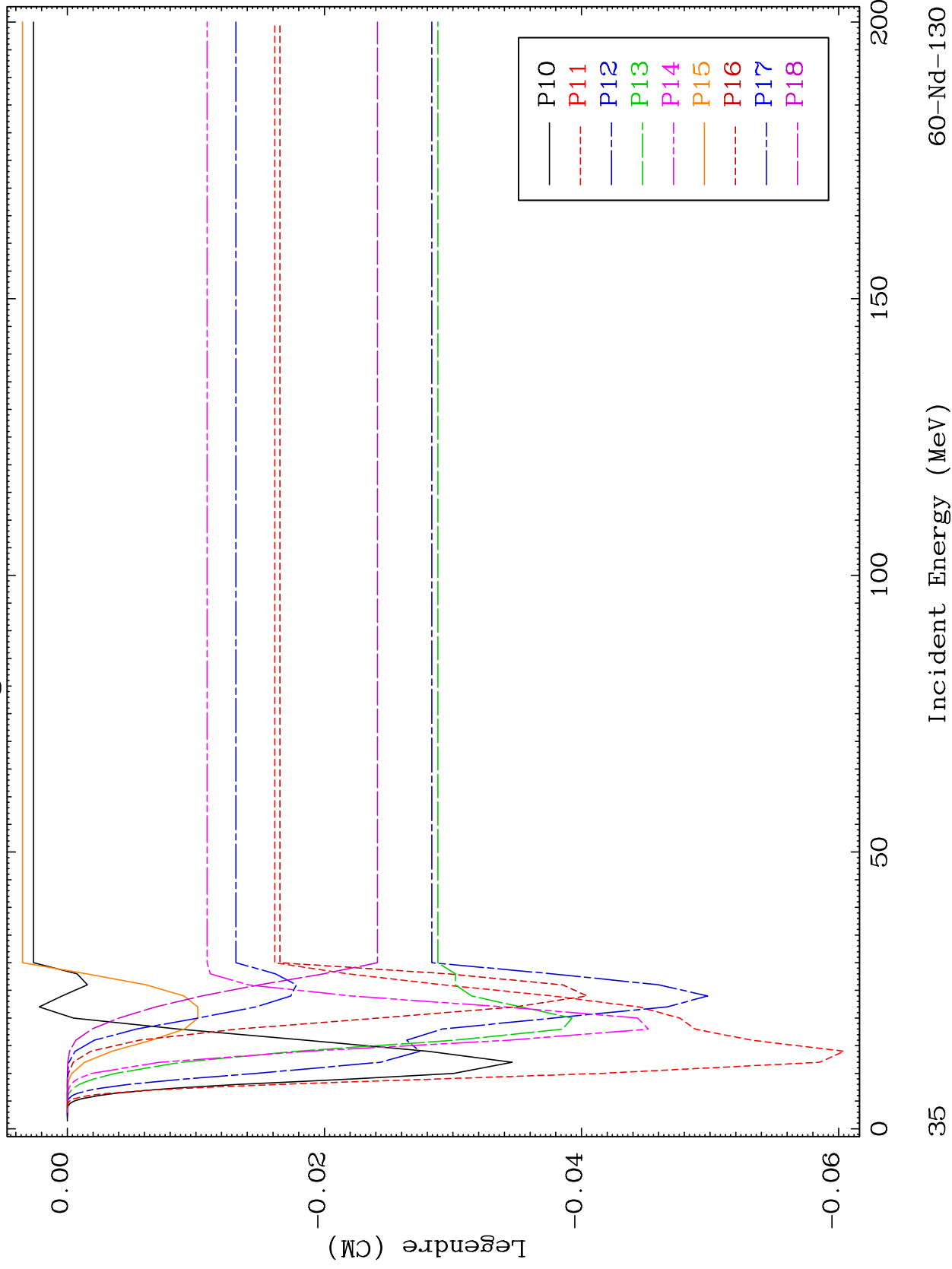
Incident Energy (MeV)

34

MAT 5989

60-Nd-130

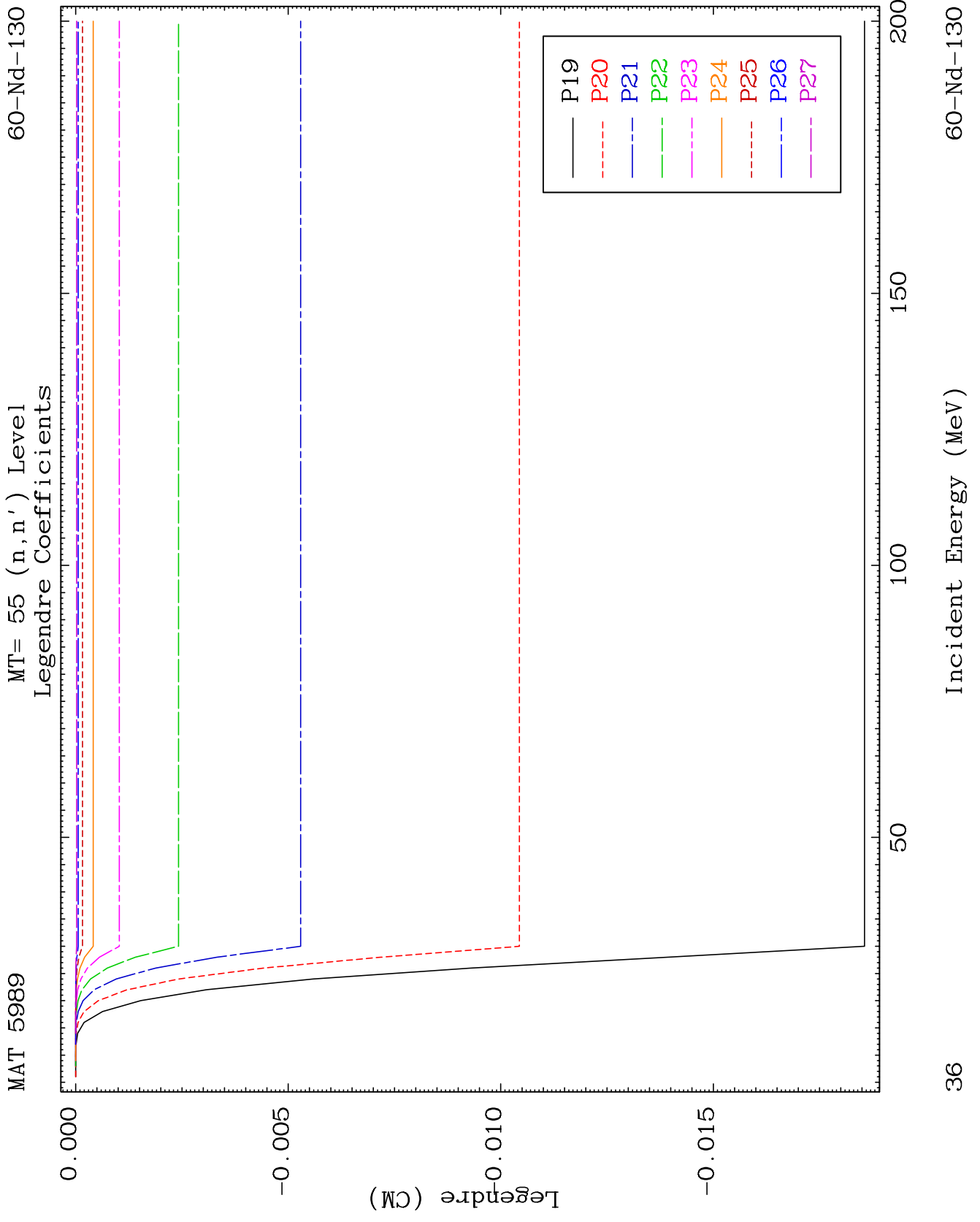
MT= 55 (n,n') Level
Legendre Coefficients

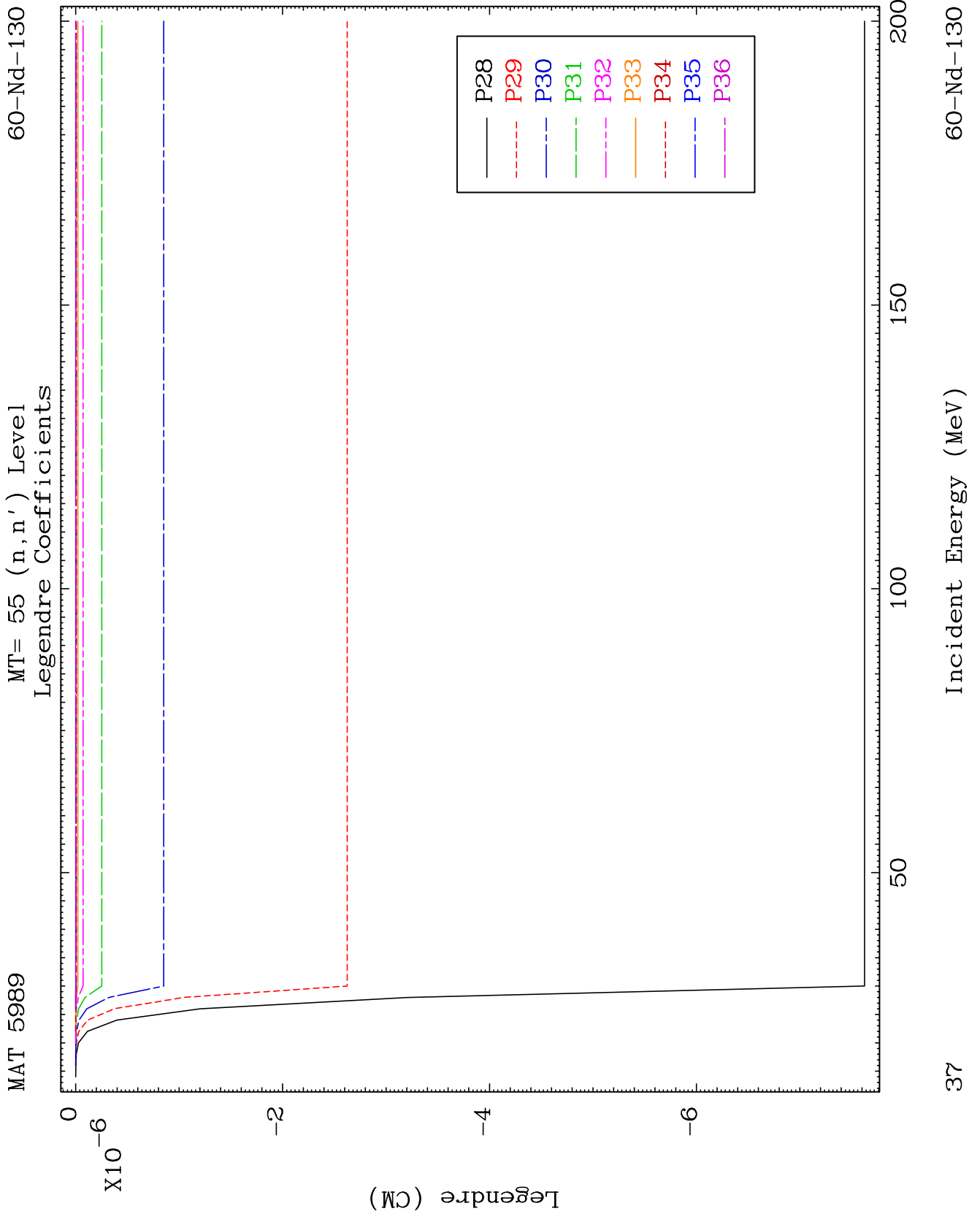


60-Nd-130

Incident Energy (MeV)

35

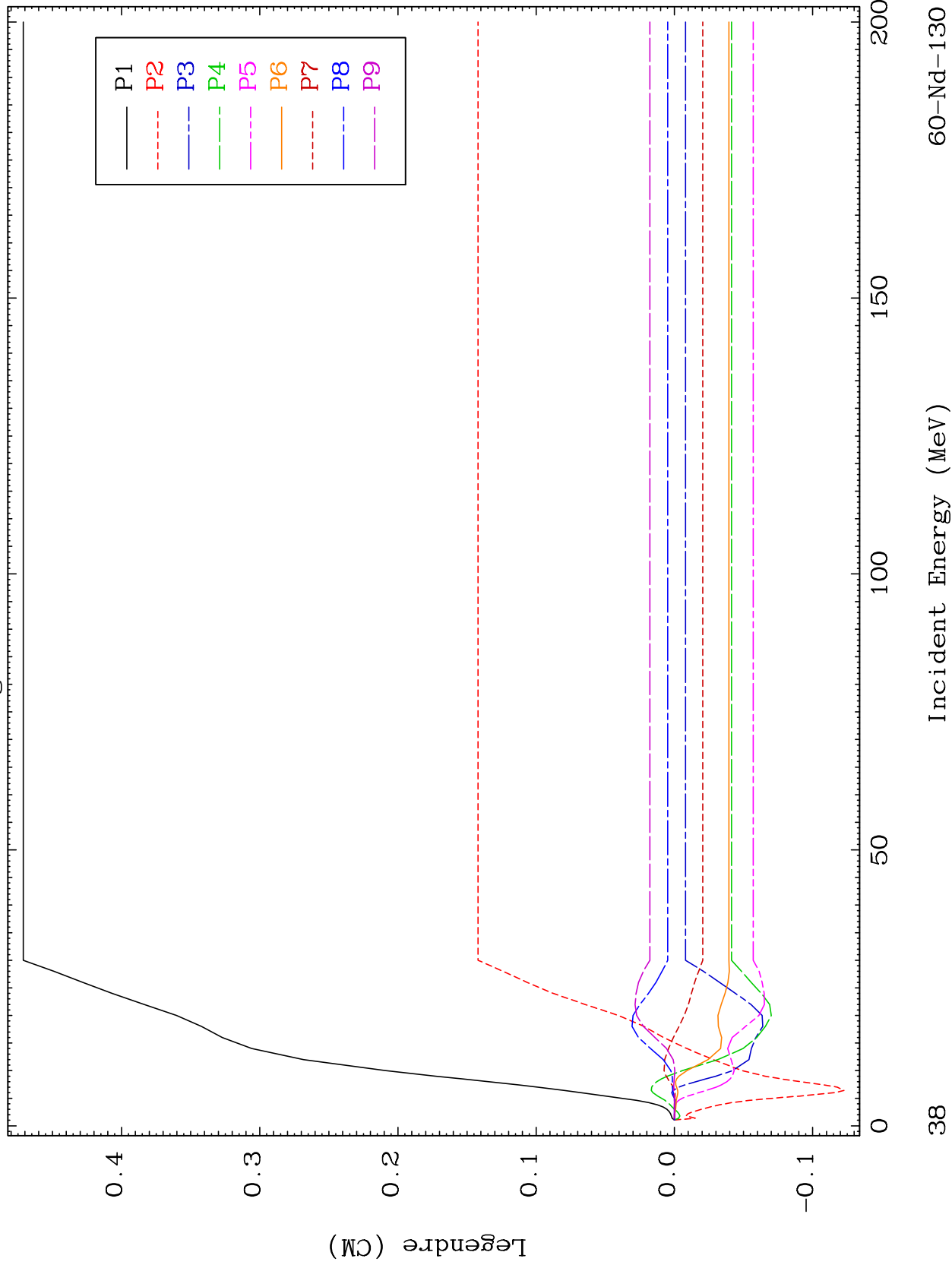




MAT 5989

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

60-Nd-130



60-Nd-130

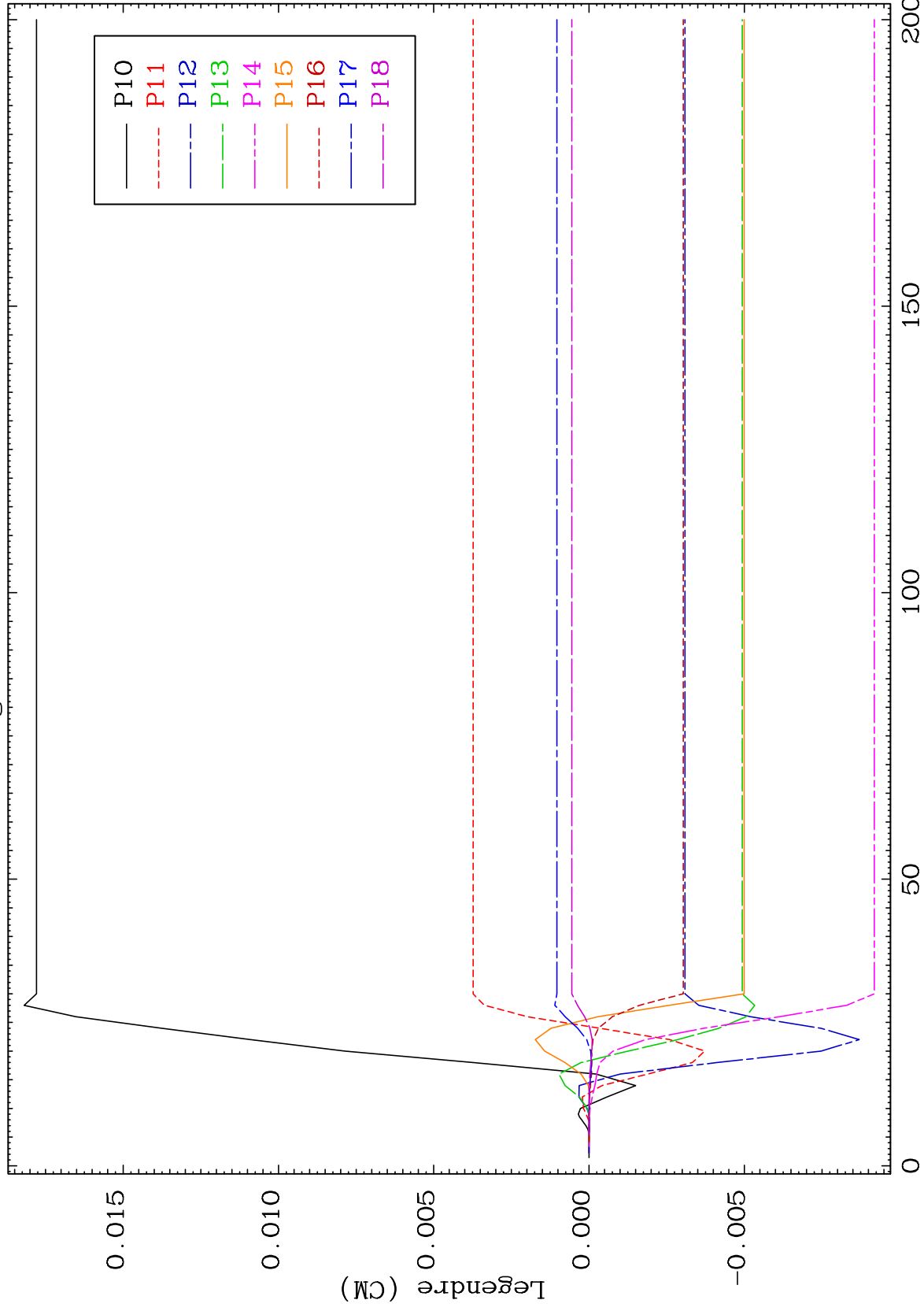
Incident Energy (MeV)

38

MAT 5989

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

60-Nd-130



39

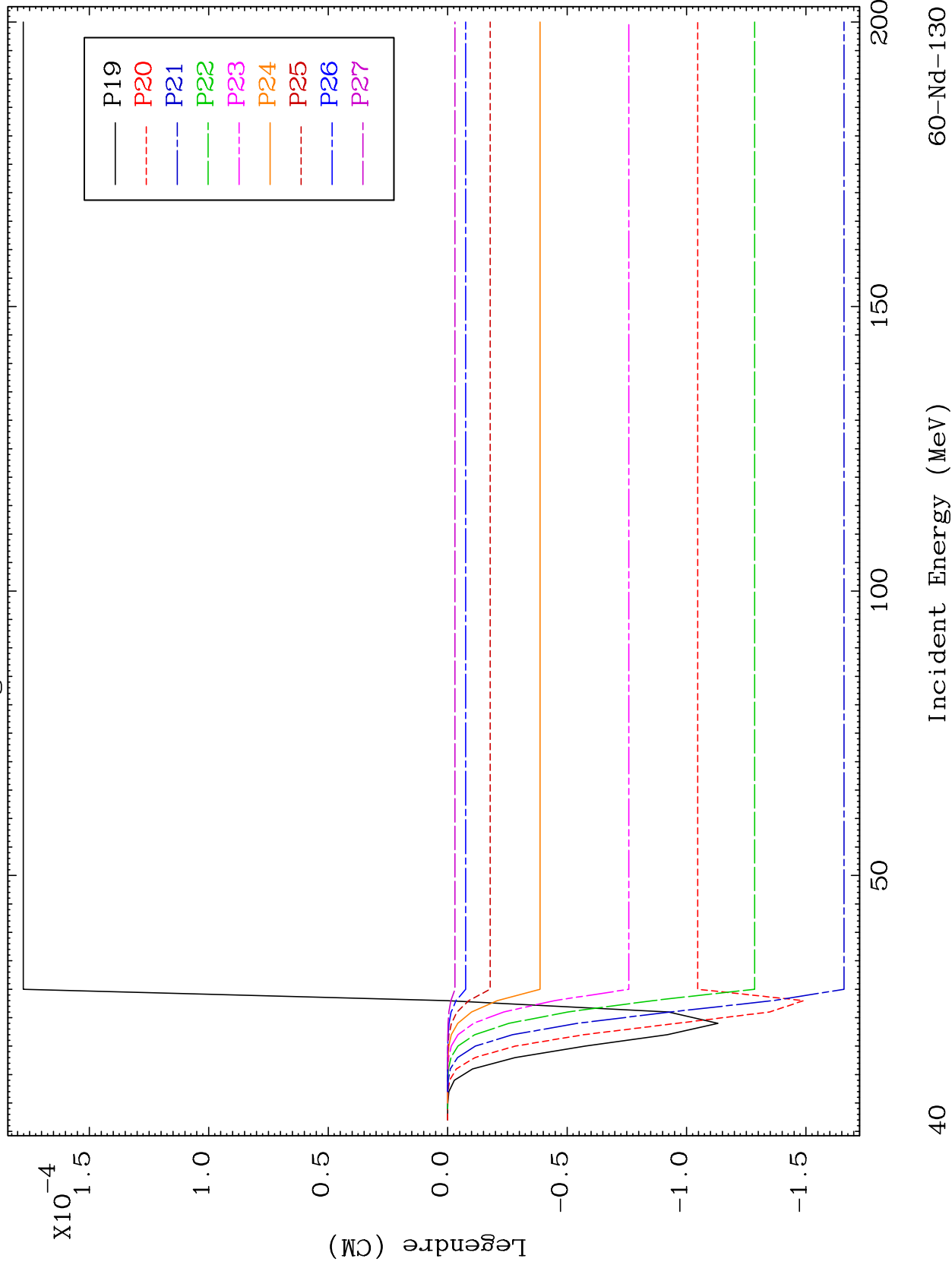
Incident Energy (MeV)

60-Nd-130

MAT 5989

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

60-Nd-130



40

Incident Energy (MeV)

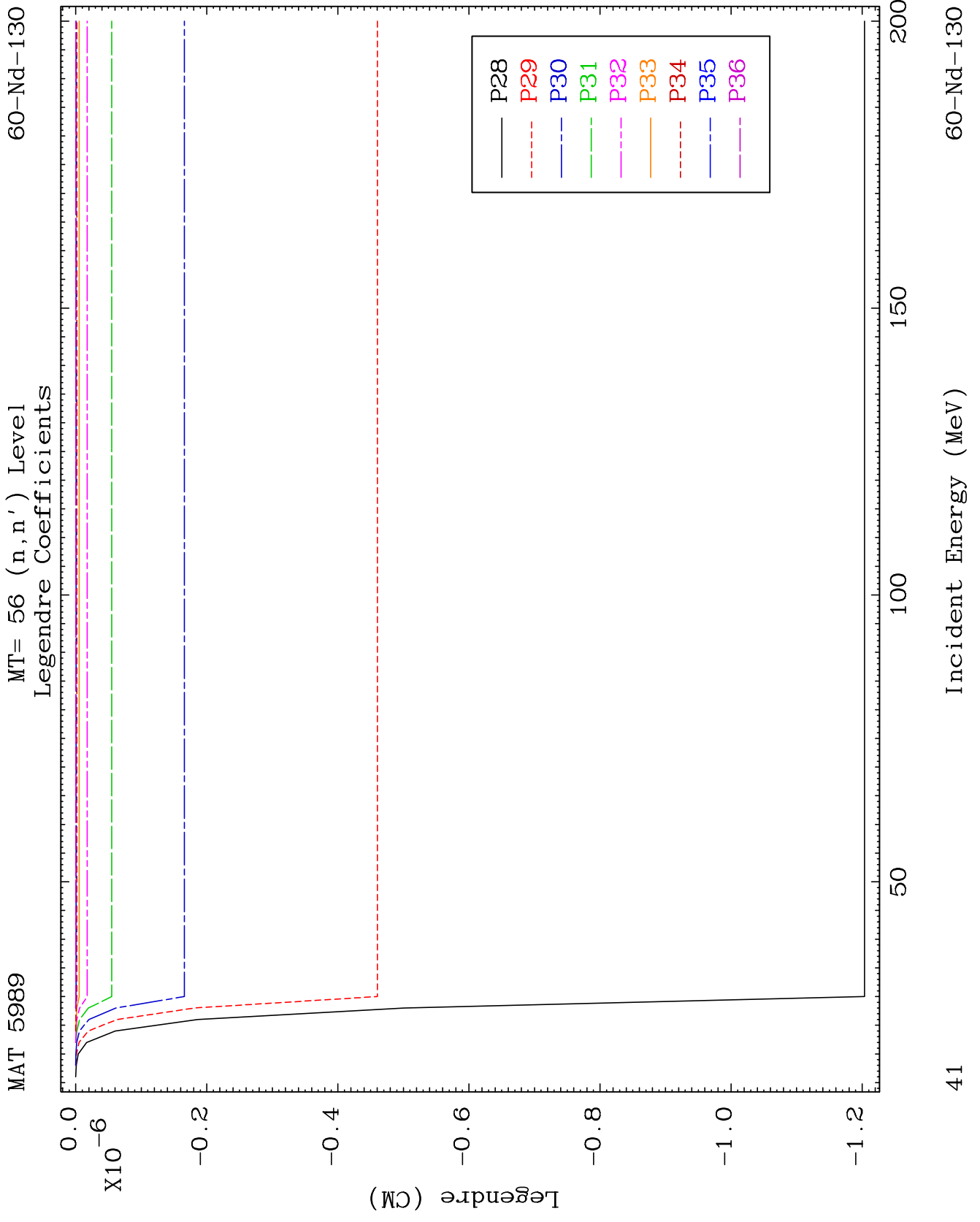
50

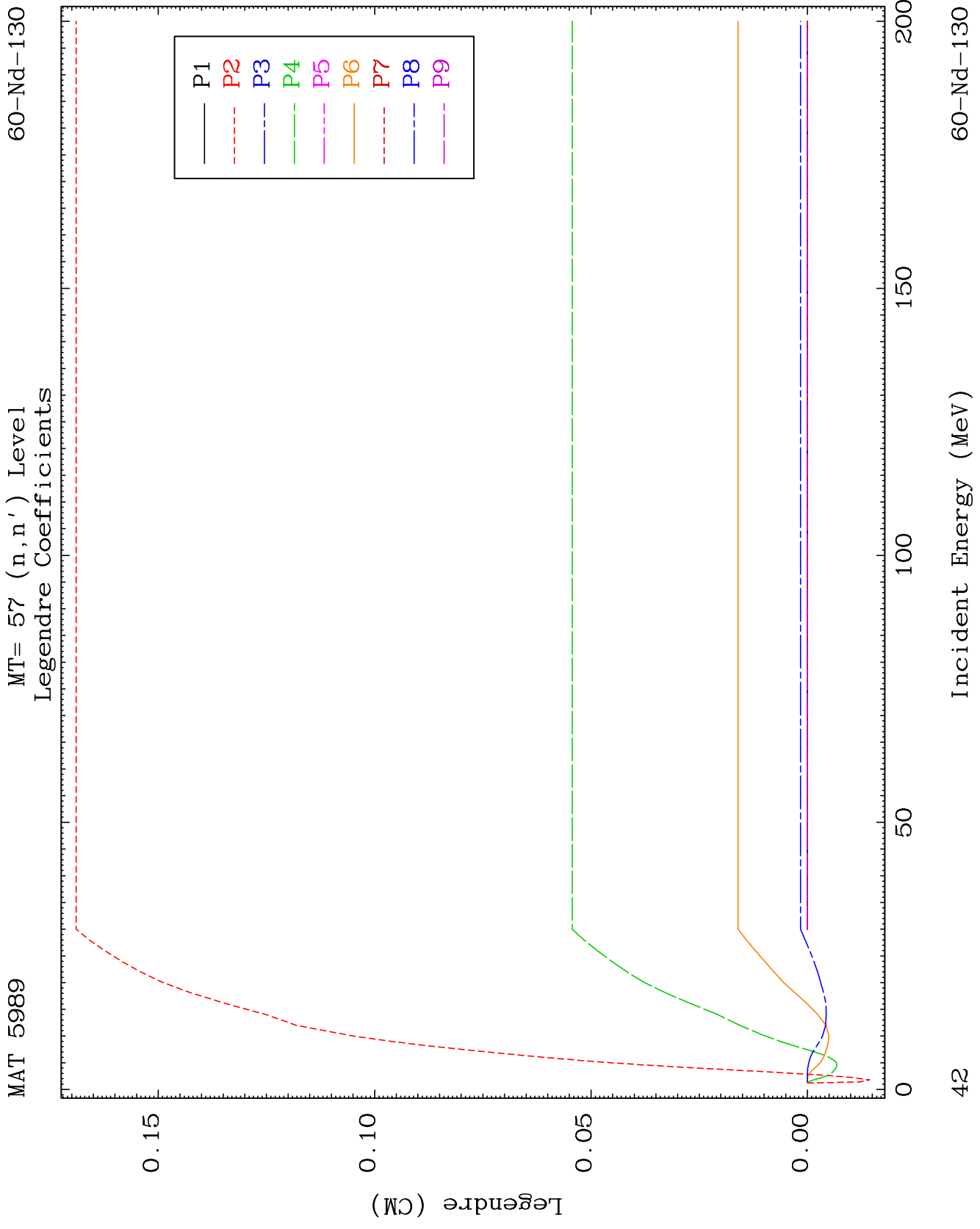
100

150

200

60-Nd-130

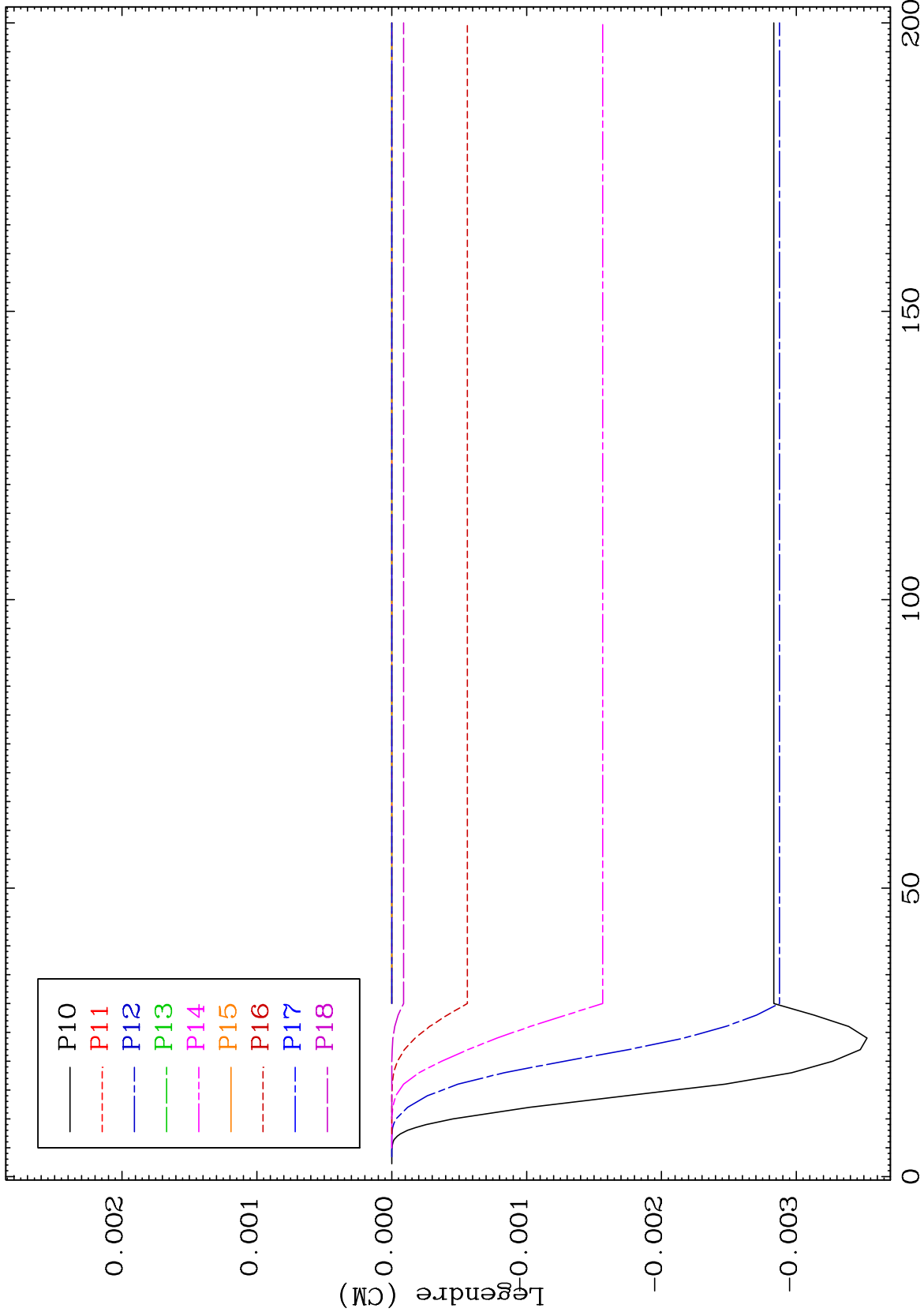




MAT 5989

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

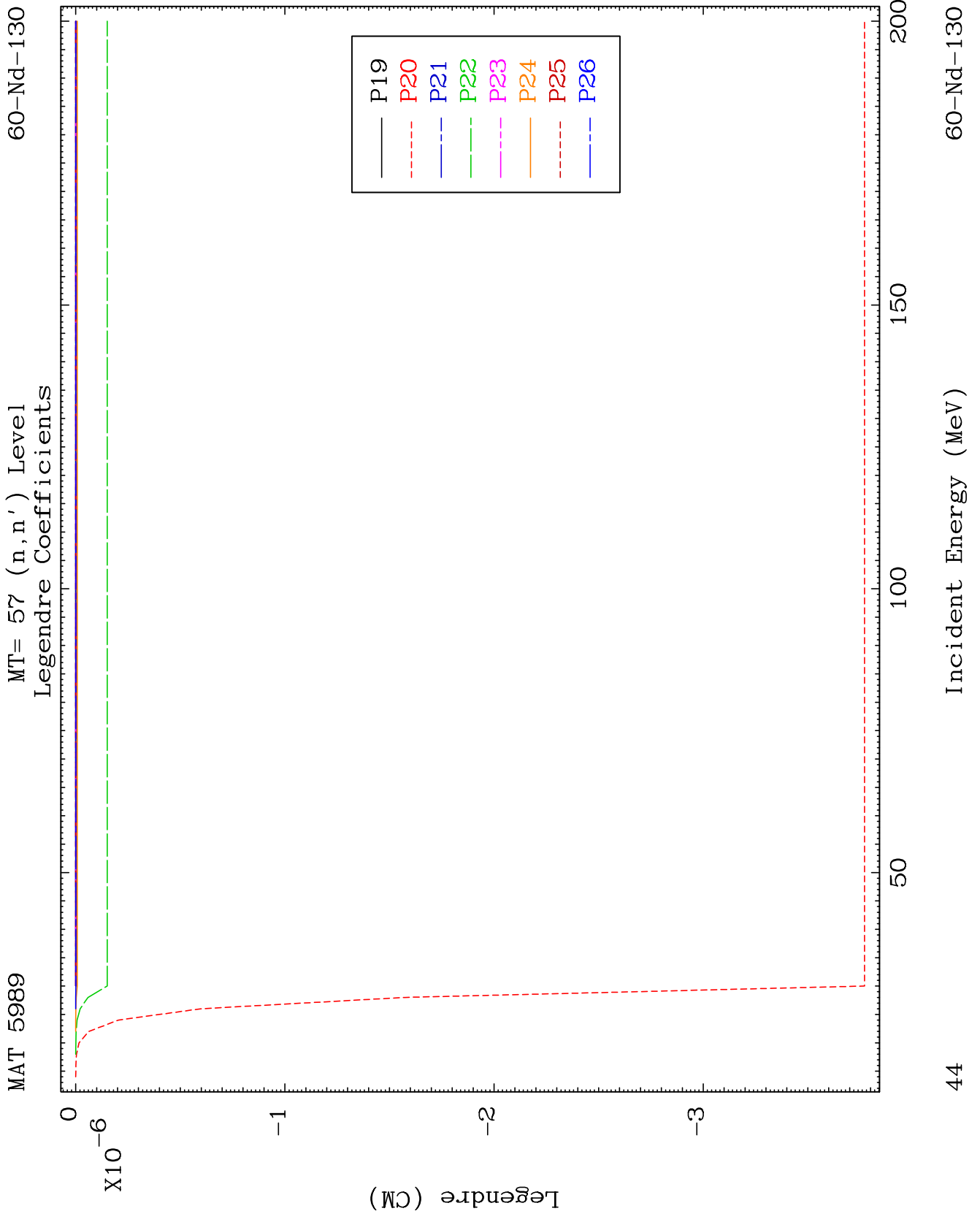
60-Nd-130



43

Incident Energy (MeV)

60-Nd-130

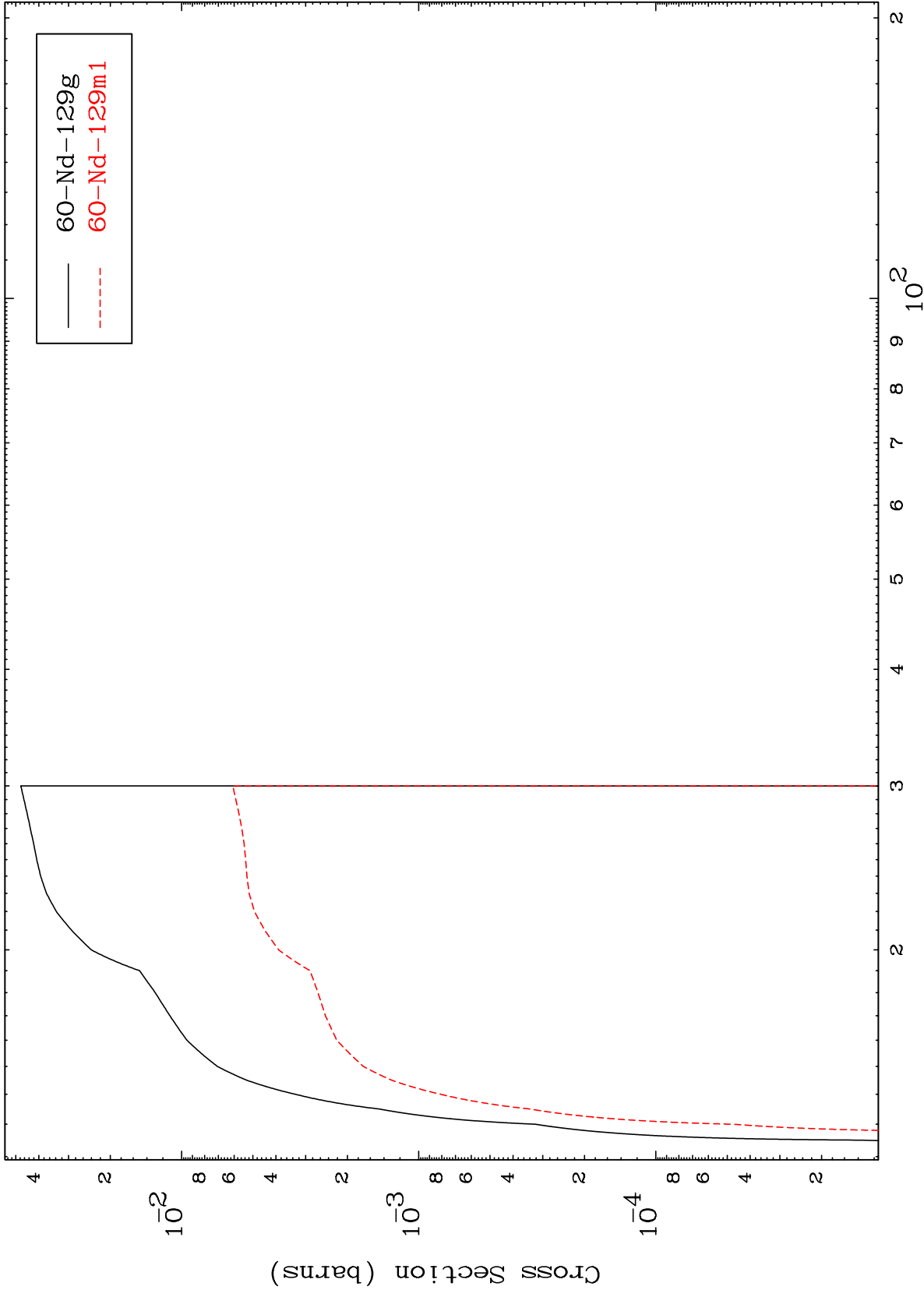


MAT 5989

(n,2n)

60-Nd-130

Radionuclide Production Cross Section



60-Nd-129g
60-Nd-129m1

45

Incident Energy (MeV)

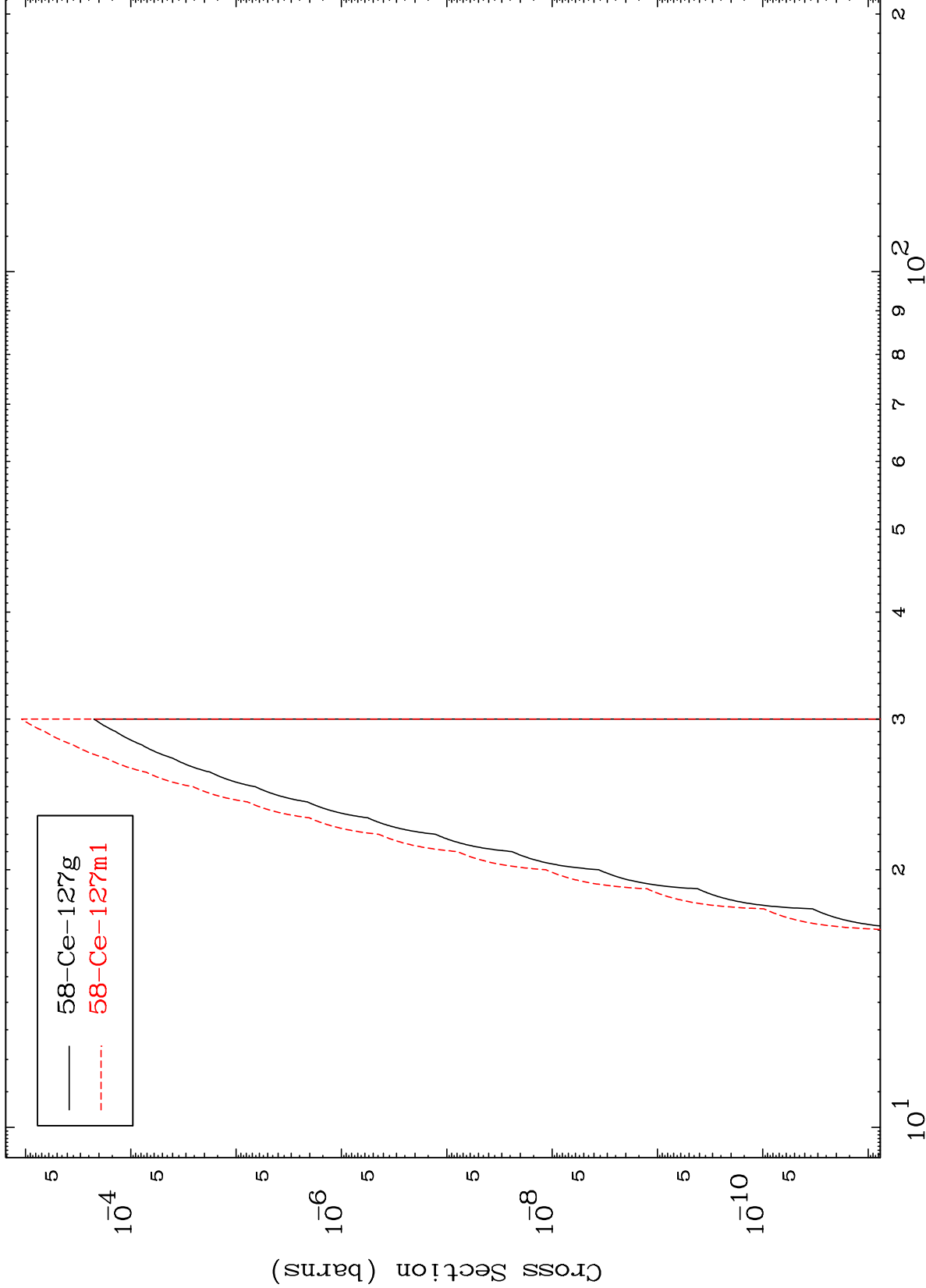
60-Nd-130

MAT 5989

(n,n') He-3

60-Nd-130

Radionuclide Production Cross Section



58-Ce-127g
58-Ce-127m1

46

Incident Energy (MeV)

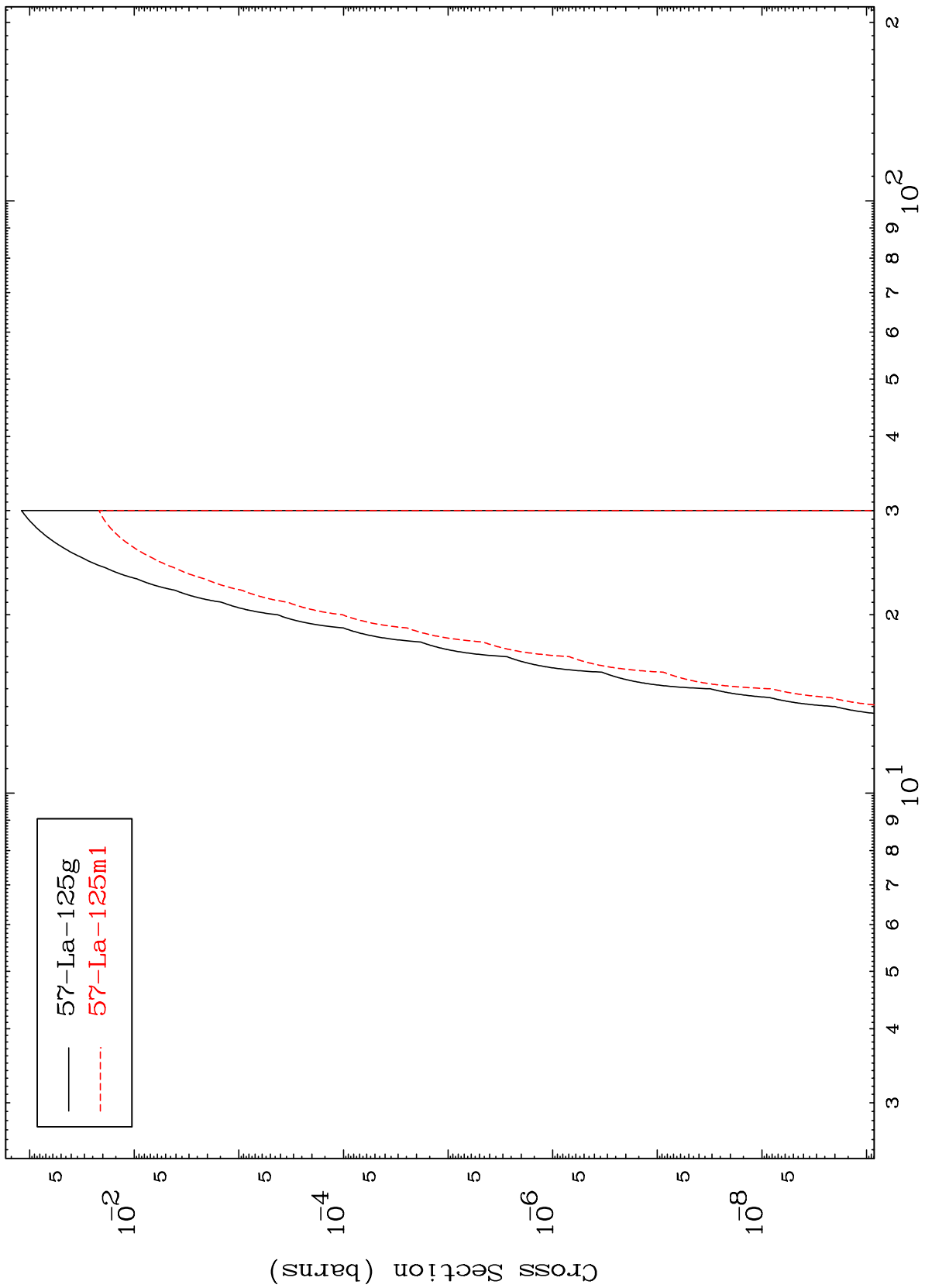
60-Nd-130

MAT 5989

(n,n') p α

60-Nd-130

Radionuclide Production Cross Section



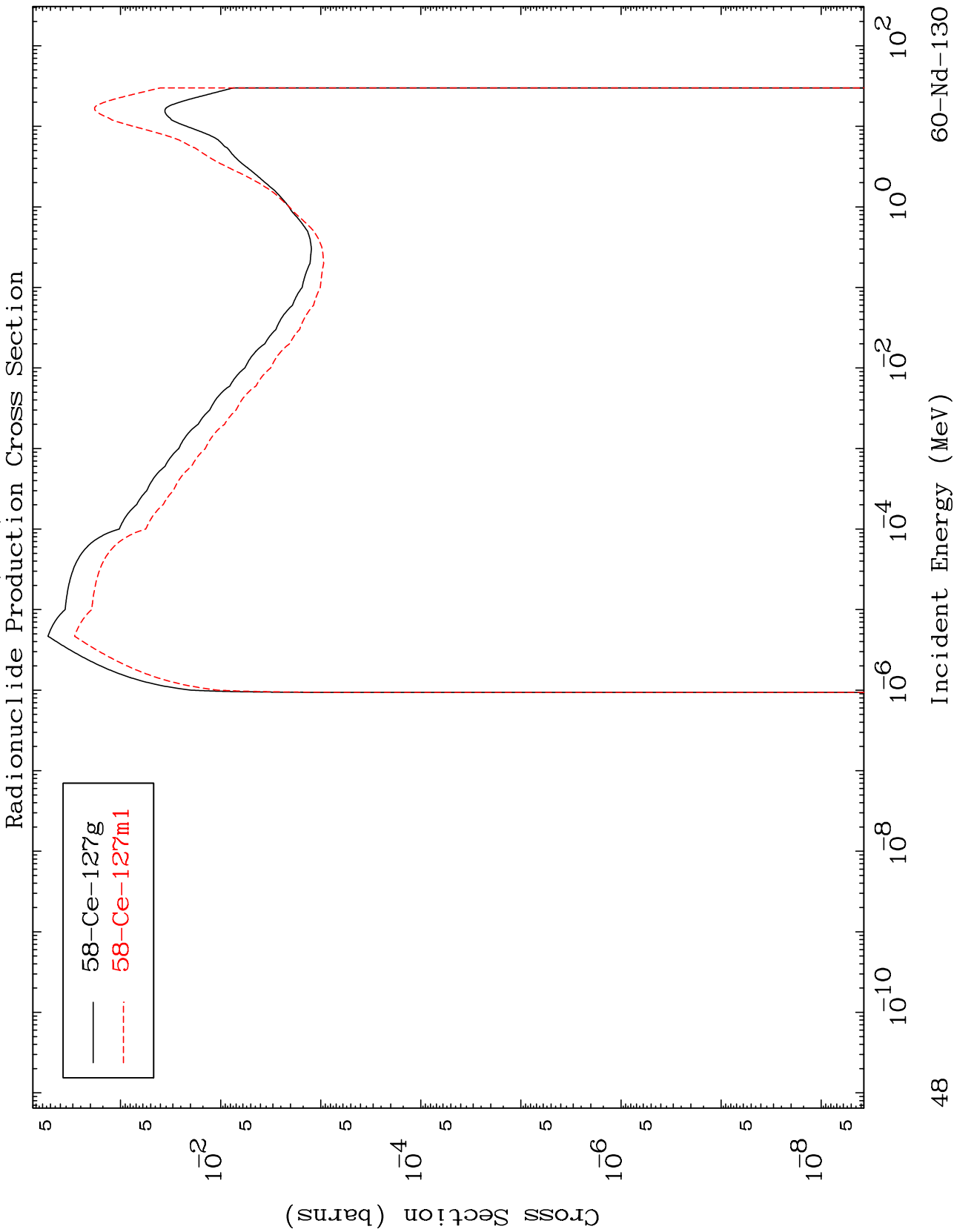
47

Incident Energy (MeV)

60-Nd-130

MAT 5989

60-Nd-130

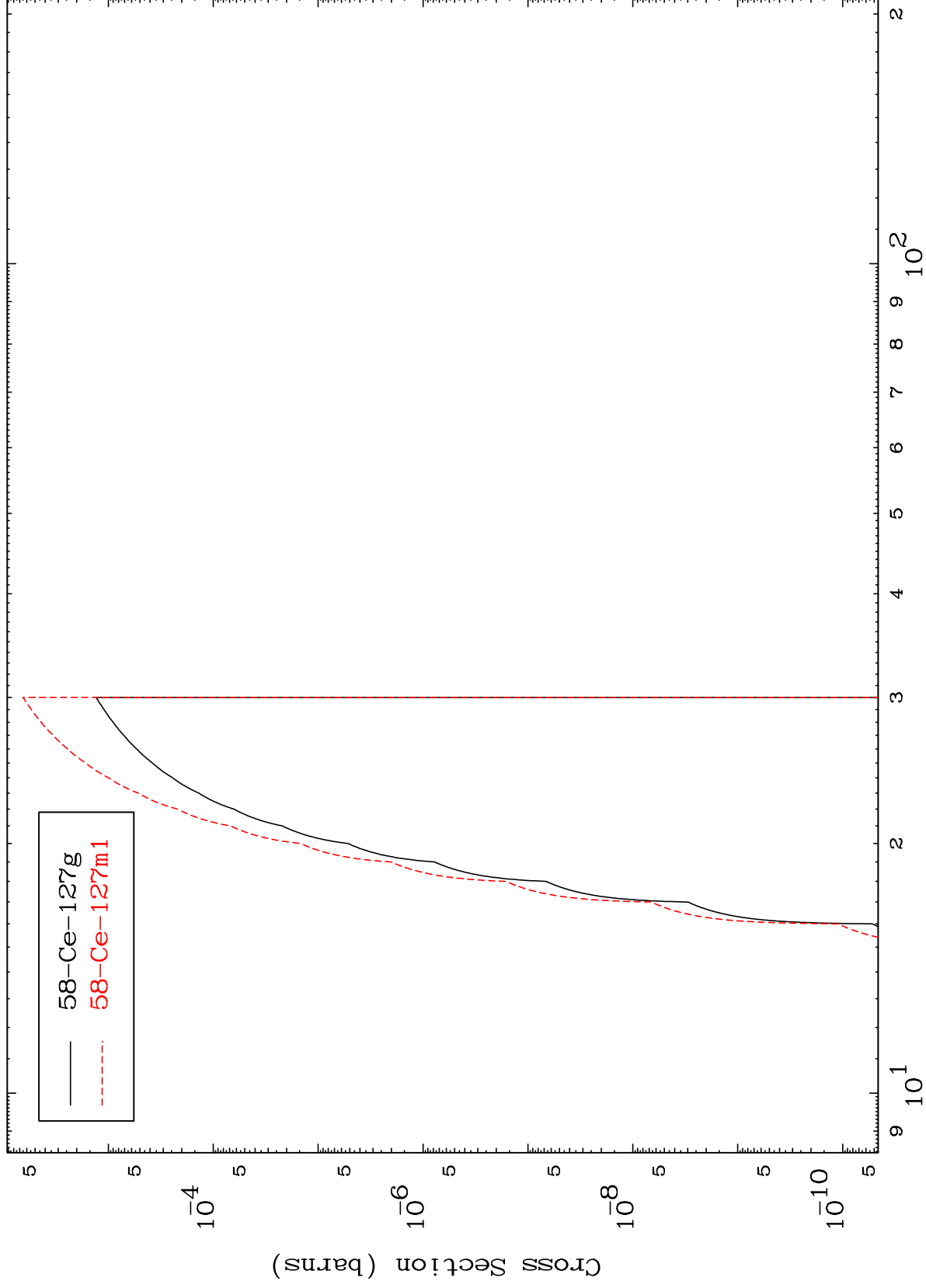


MAT 5989

(n,p) t

60-Nd-130

Radionuclide Production Cross Section



49

Incident Energy (MeV)

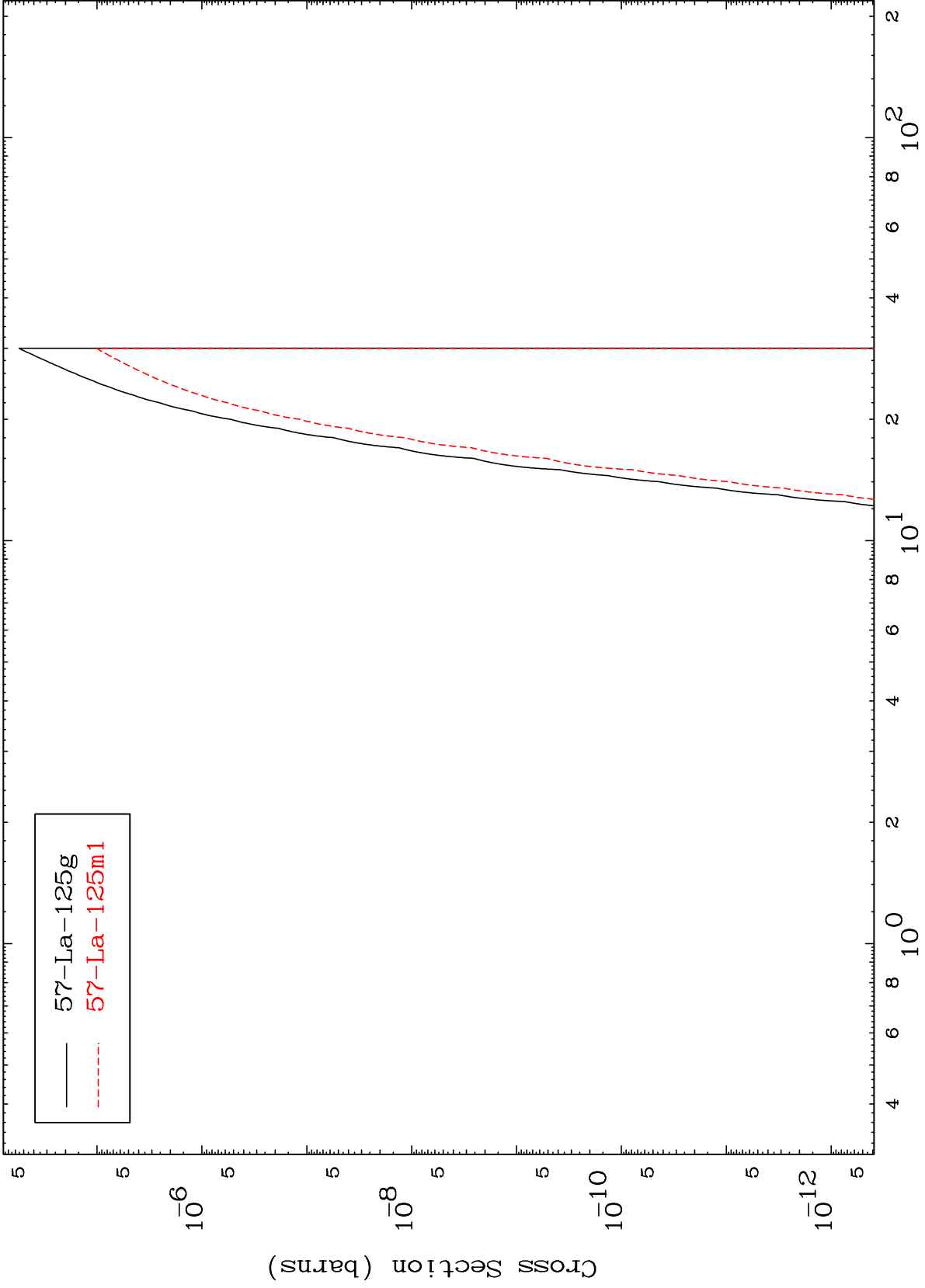
60-Nd-130

MAT 5989

(n,d) α

60-Nd-130

Radionuclide Production Cross Section



57-La-125g
57-La-125m1

50

Incident Energy (MeV)

60-Nd-130