

Program EVALPLOT
(Version 2018-1)

by

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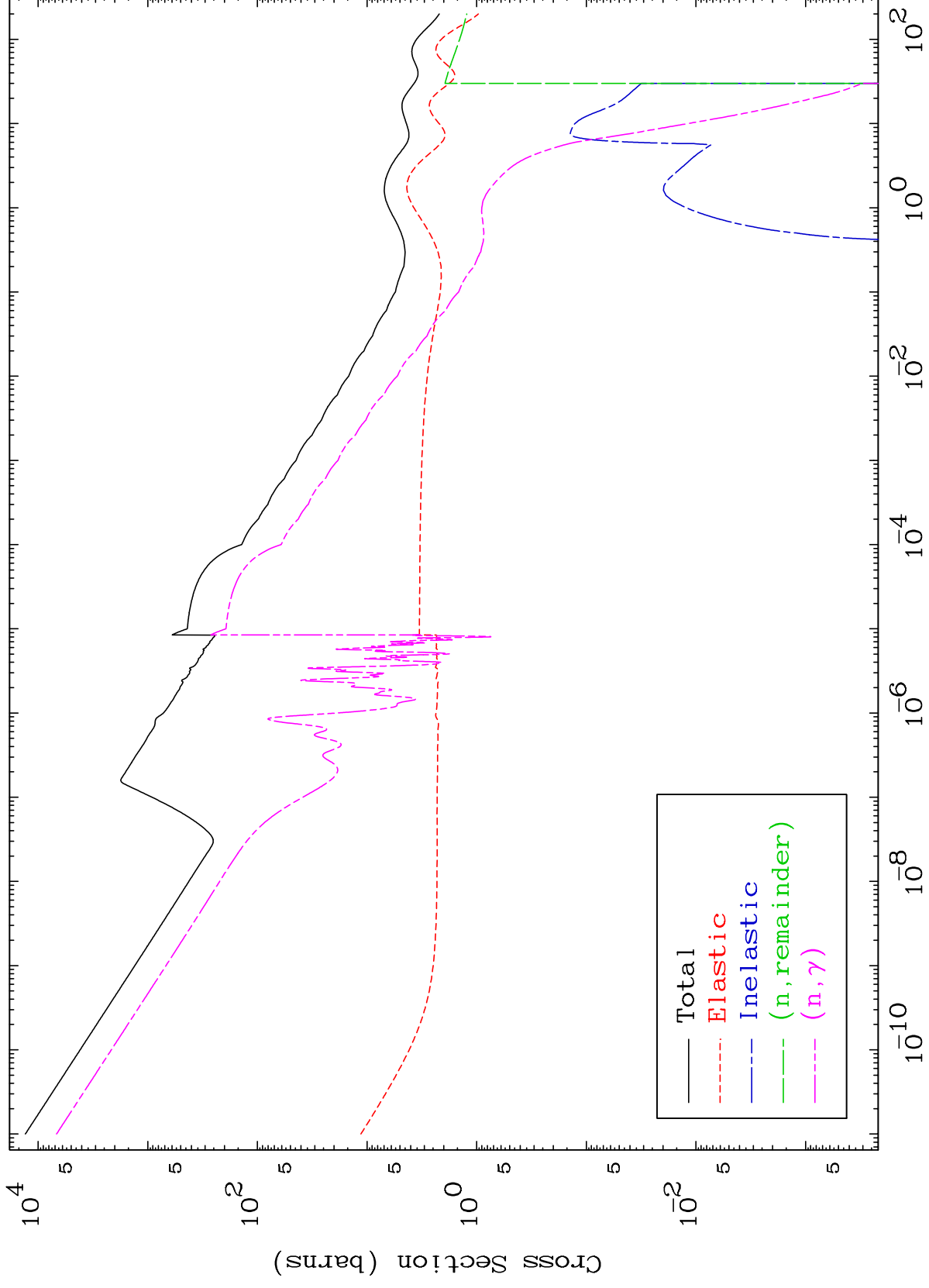
Press Mouse Button to Start

MAT 6113

Major

293 Kelvin Cross Sections

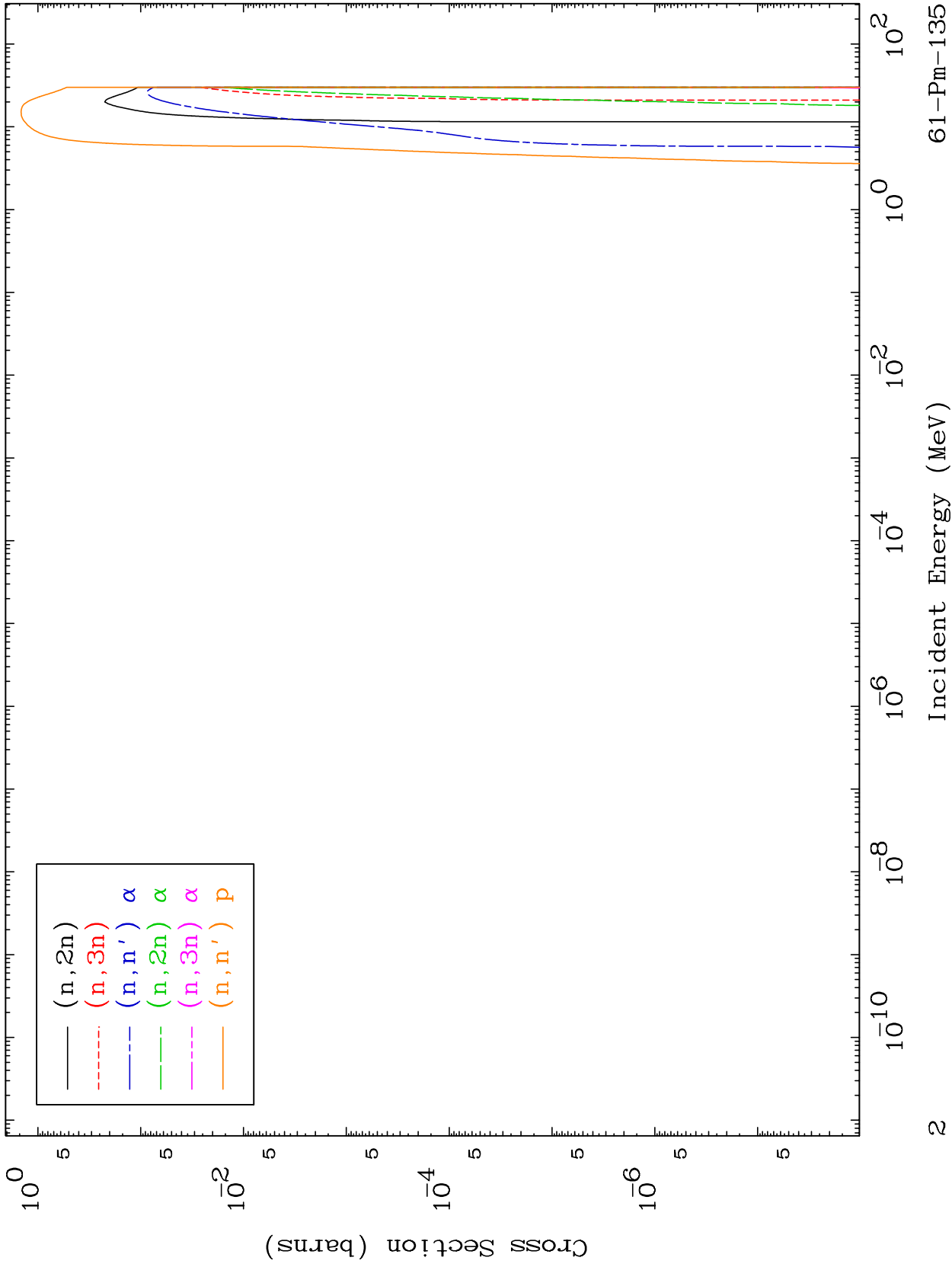
61-Pm-135



MAT 6113

Neutron Production
293 Kelvin Cross Sections

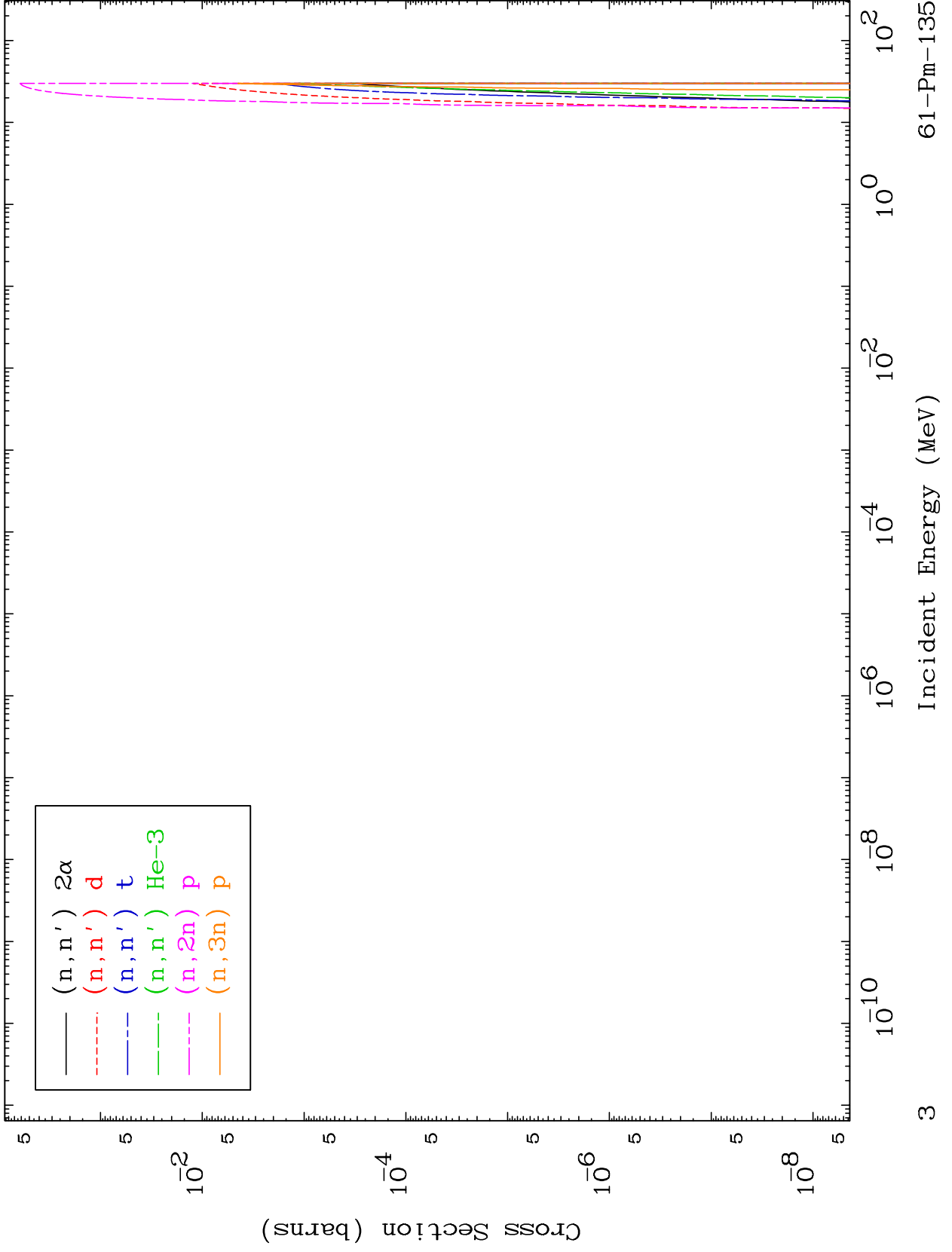
61-Pm-135



MAT 6113

Neutron Production
293 Kelvin Cross Sections

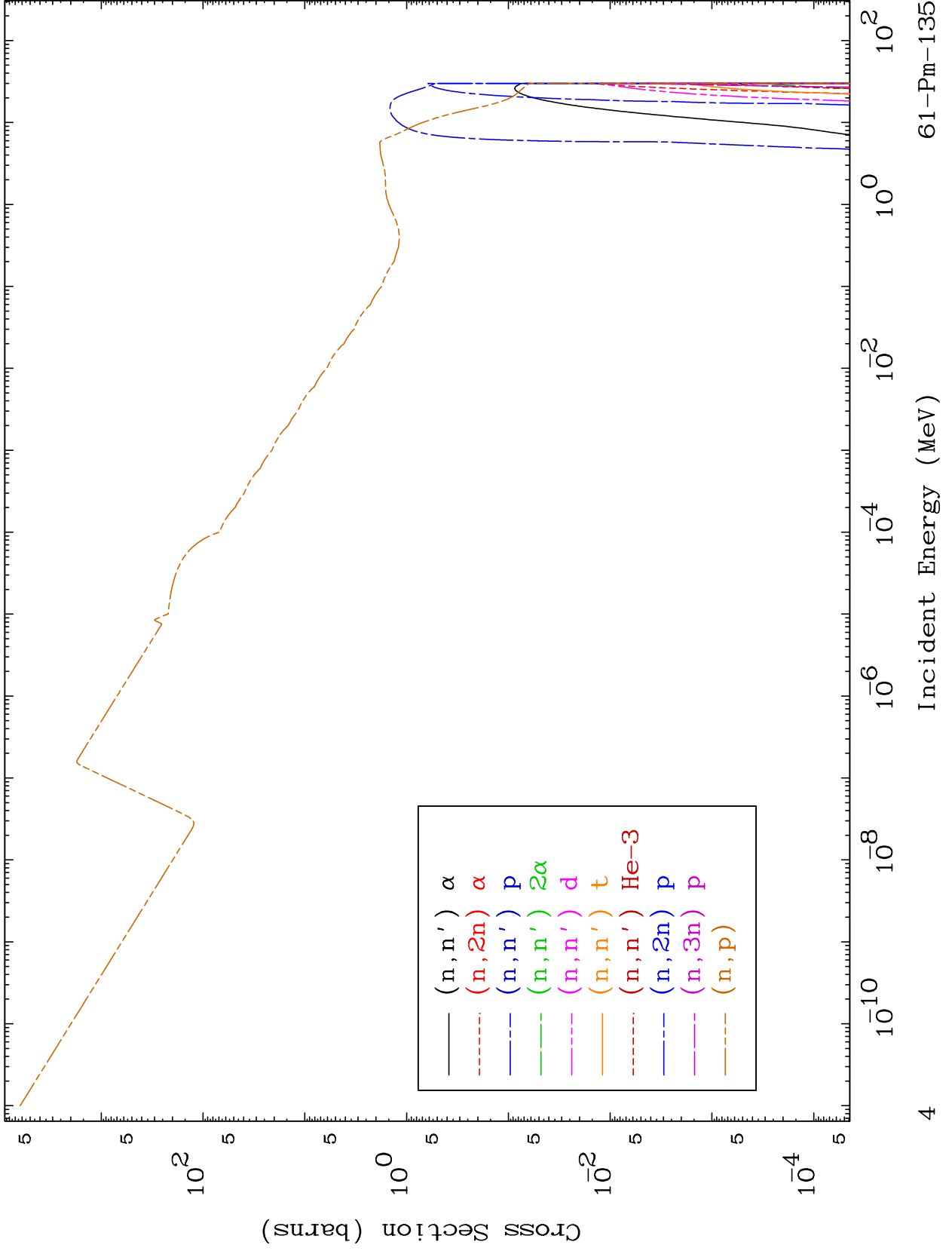
61-Pm-135



MAT 6113

Charged Particle
293 Kelvin Cross Sections

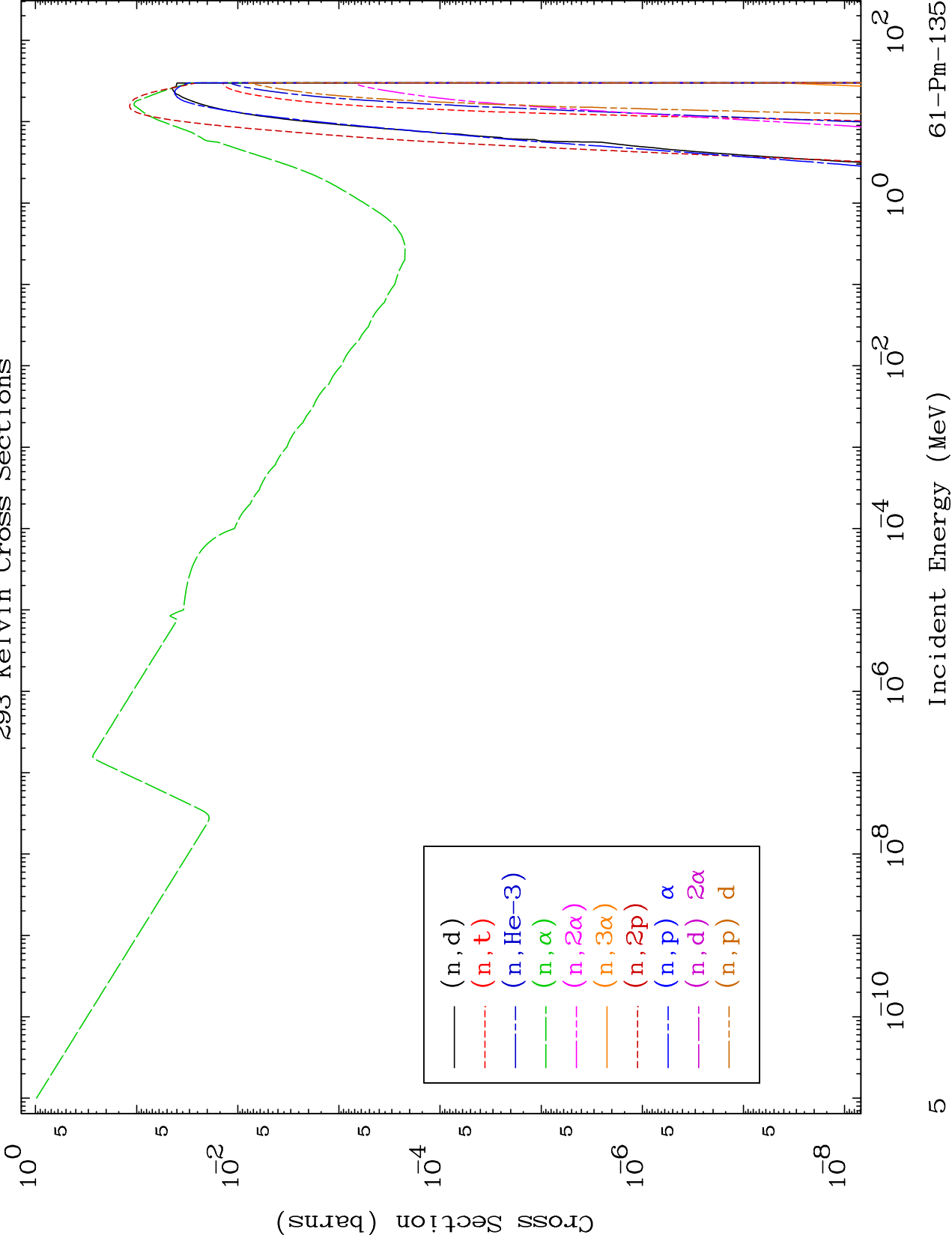
61-Pm-135



MAT 6113

Charged Particle
293 Kelvin Cross Sections

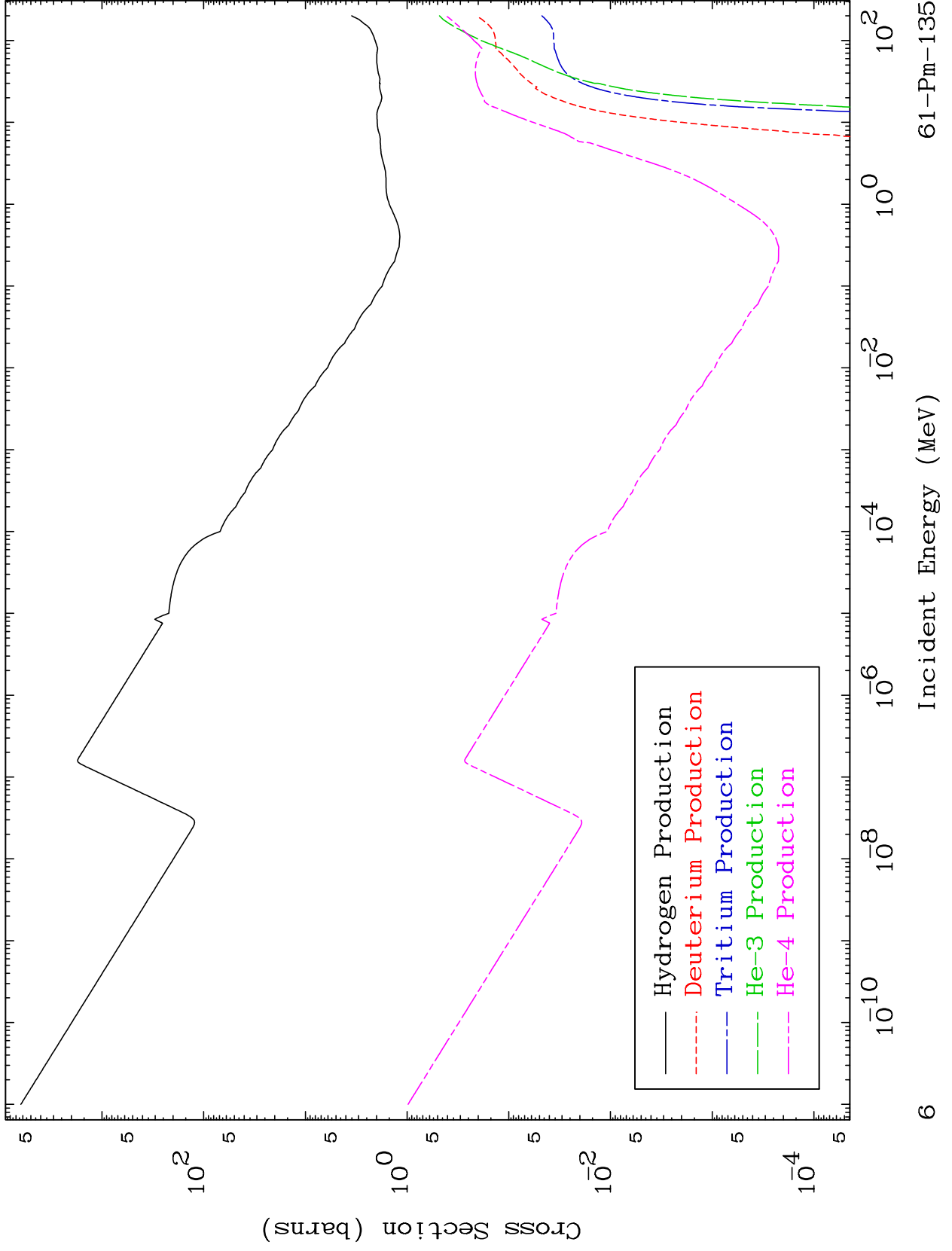
61-Pm-135



MAT 6113

Particle Production
293 Kelvin Cross Sections

61-Pm-135

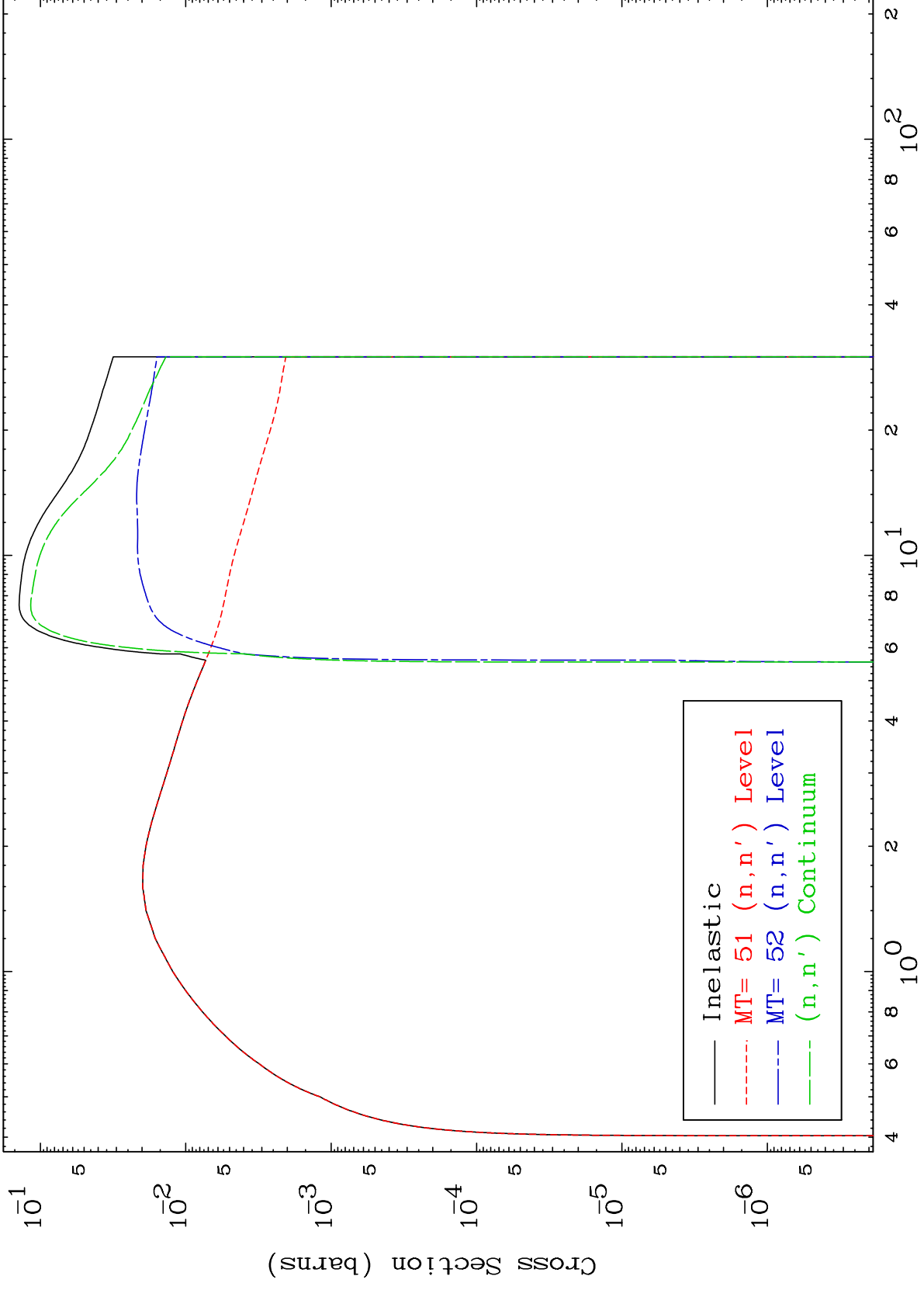


MAT 6113

(n,n') Level

61-Pm-135

293 Kelvin Cross Sections



7

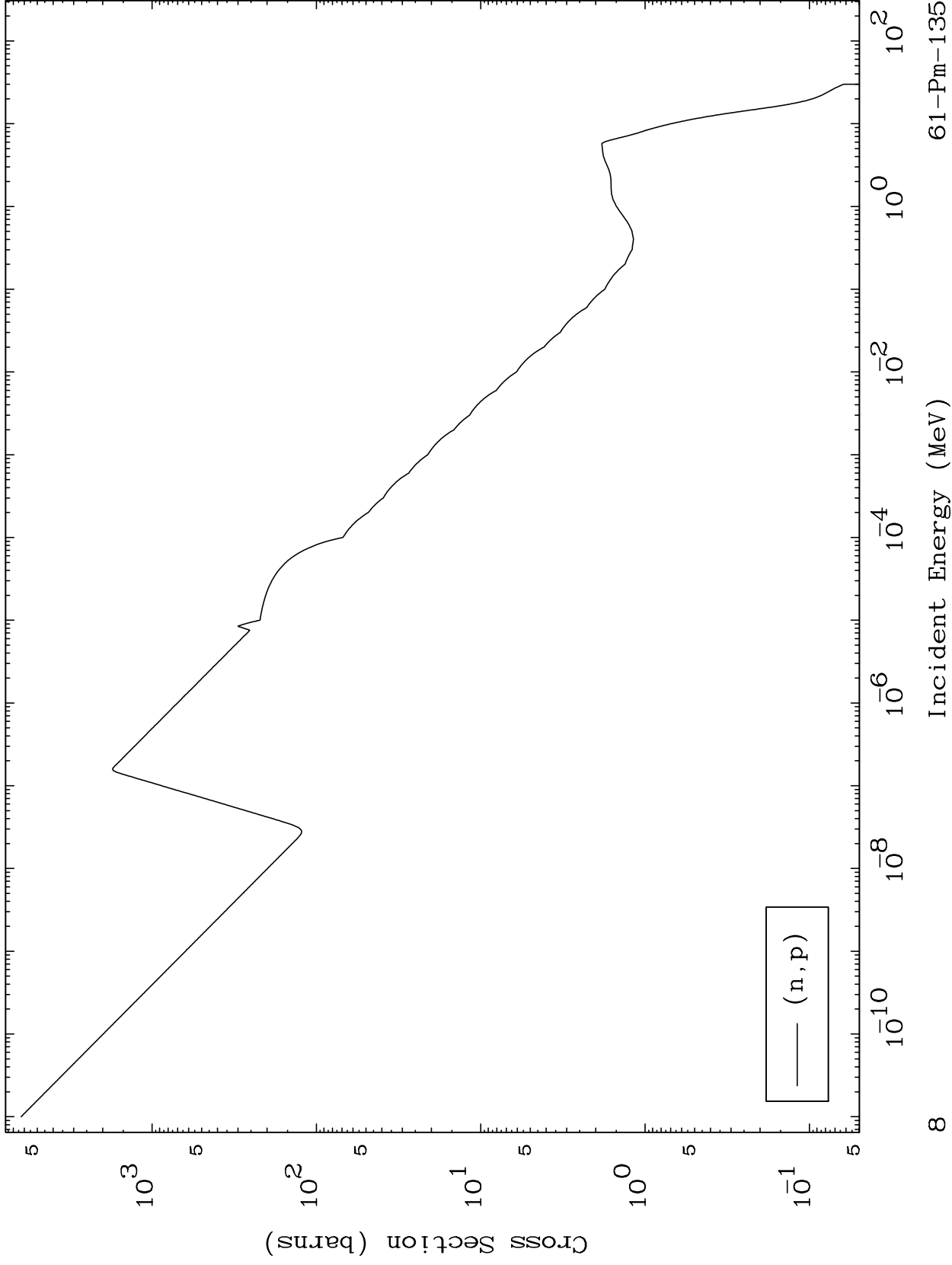
Incident Energy (MeV)

61-Pm-135

MAT 6113

(n,p) Levels
293 Kelvin Cross Sections

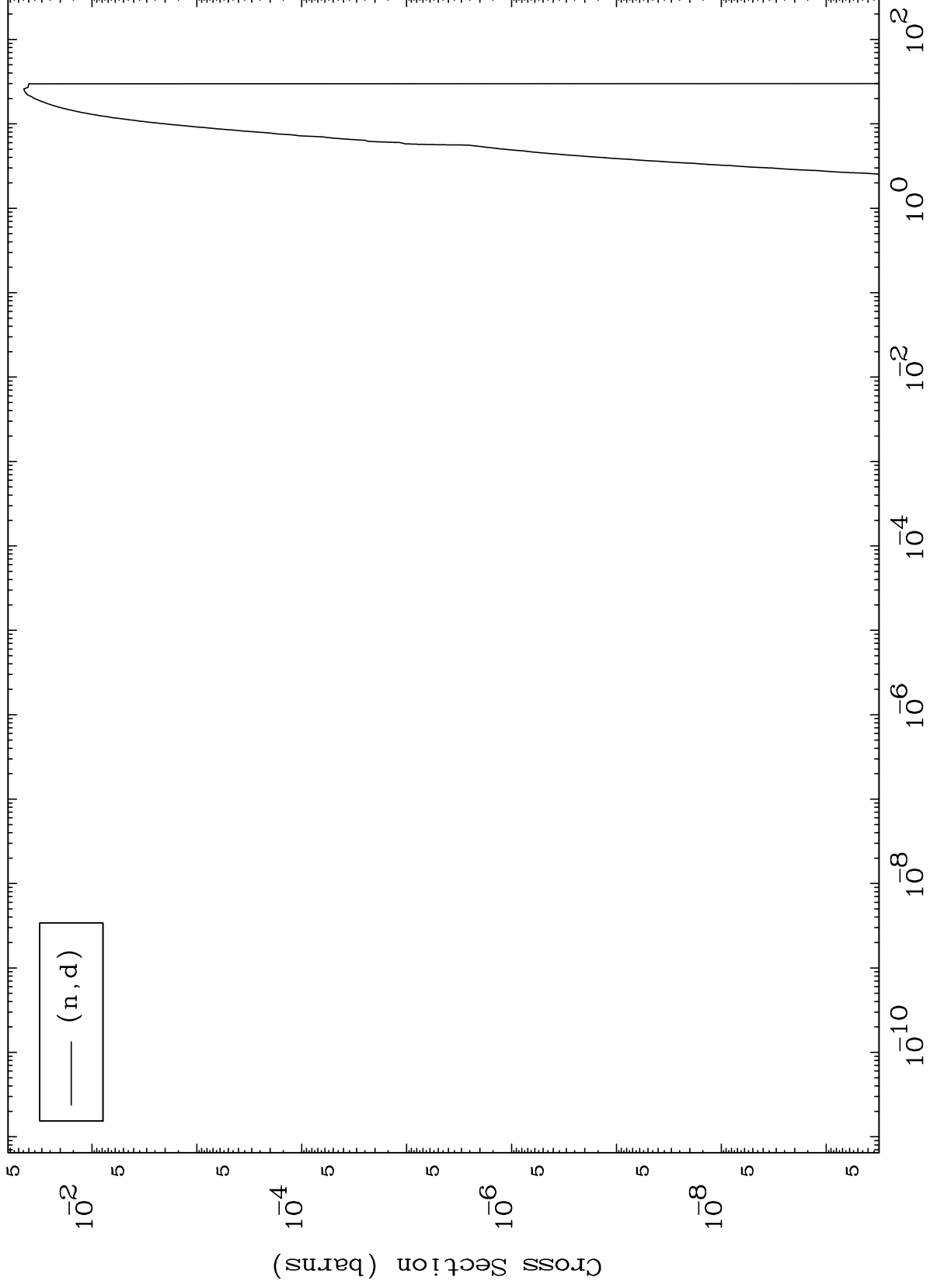
61-Pm-135



MAT 6113

(n,d) Levels
293 Kelvin Cross Sections

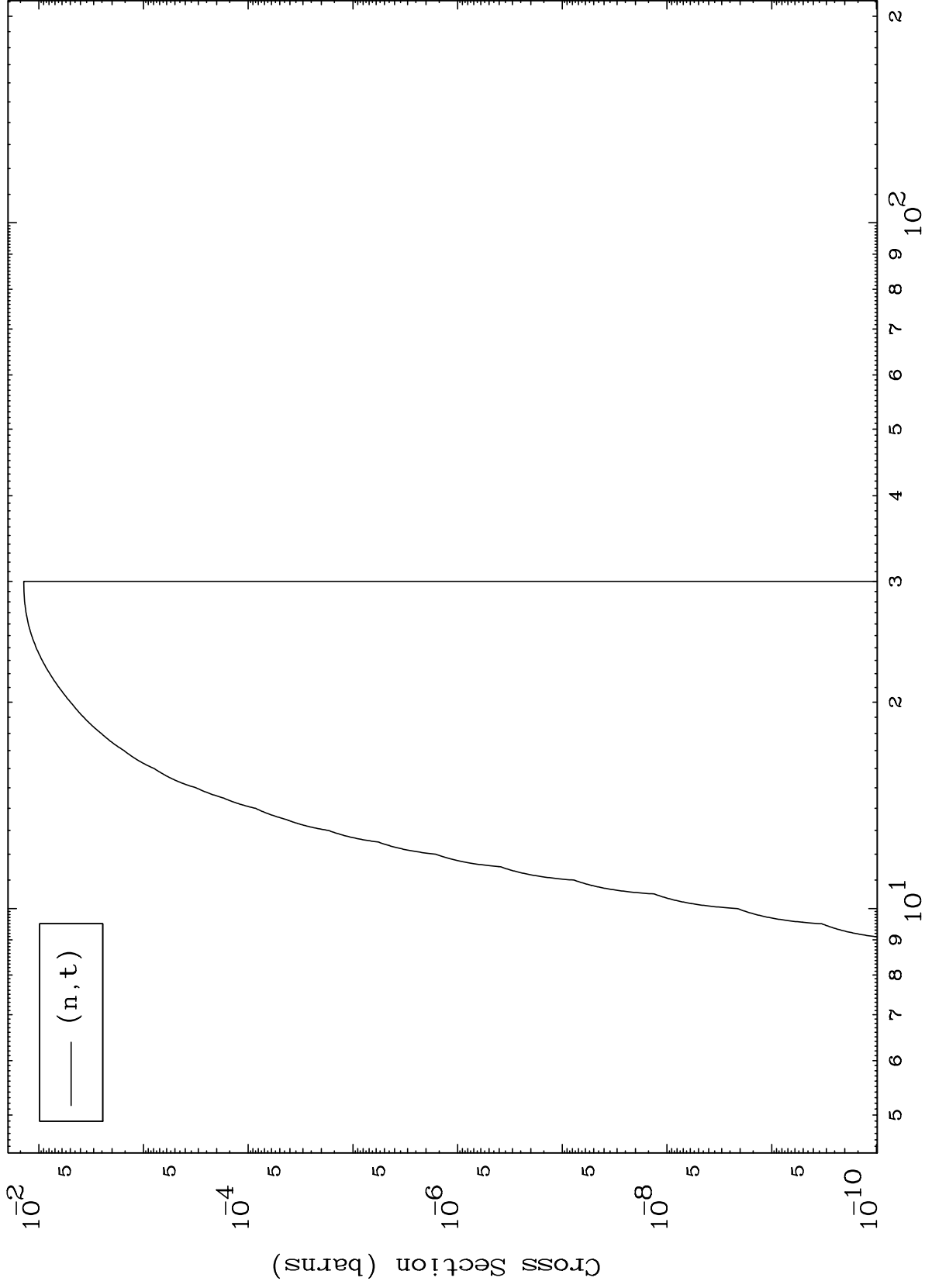
61-Pm-135



MAT 6113

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-135



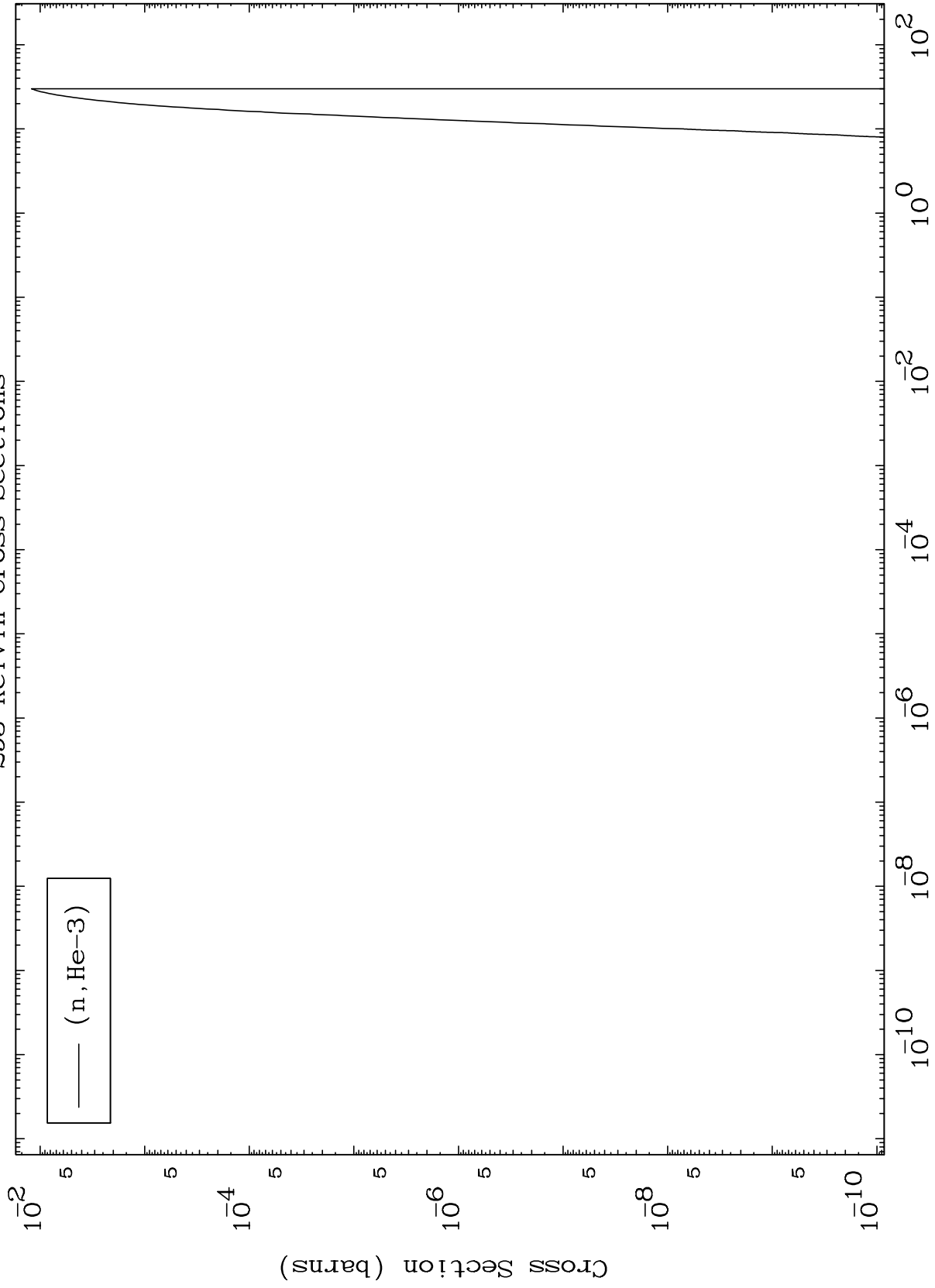
Incident Energy (MeV)

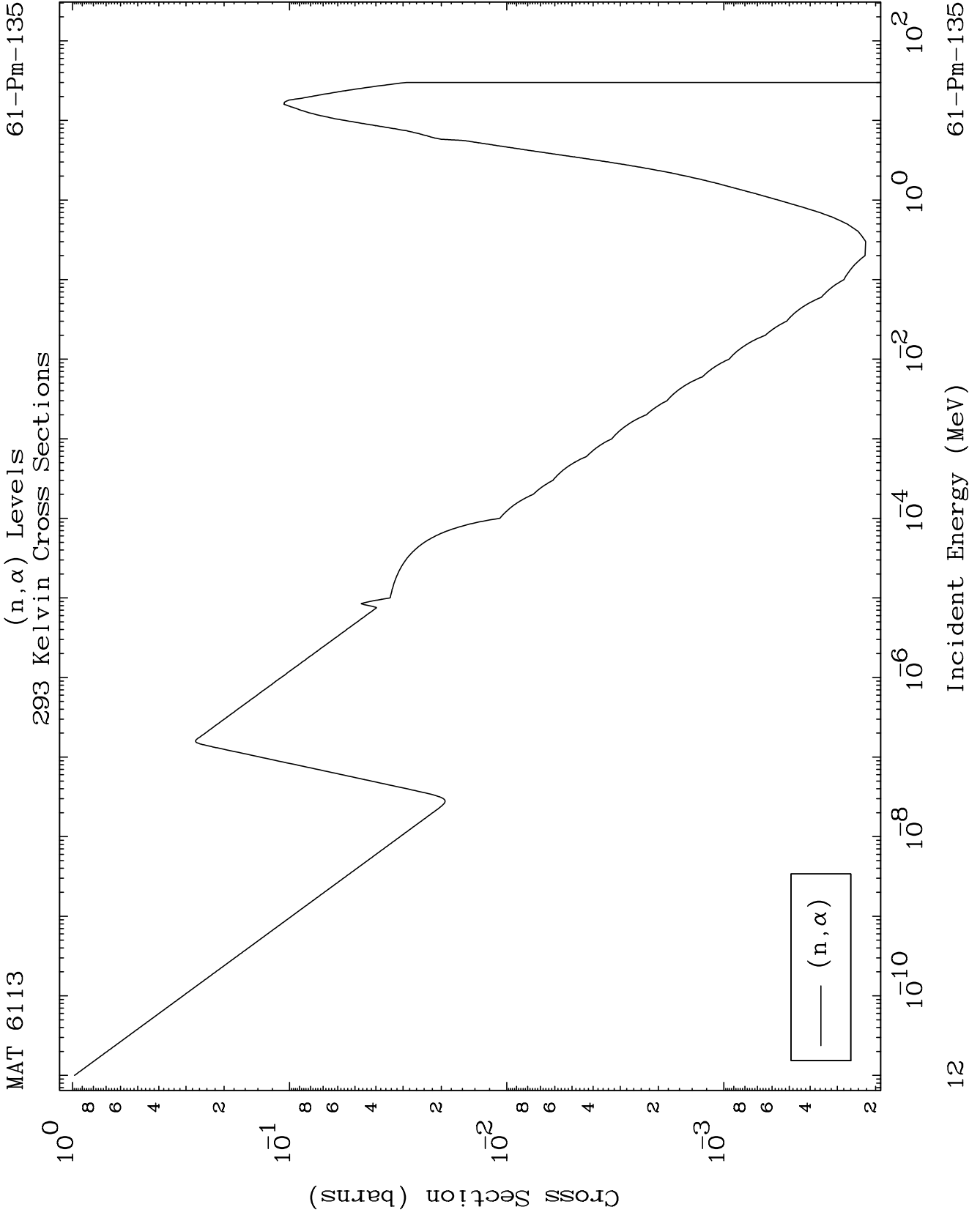
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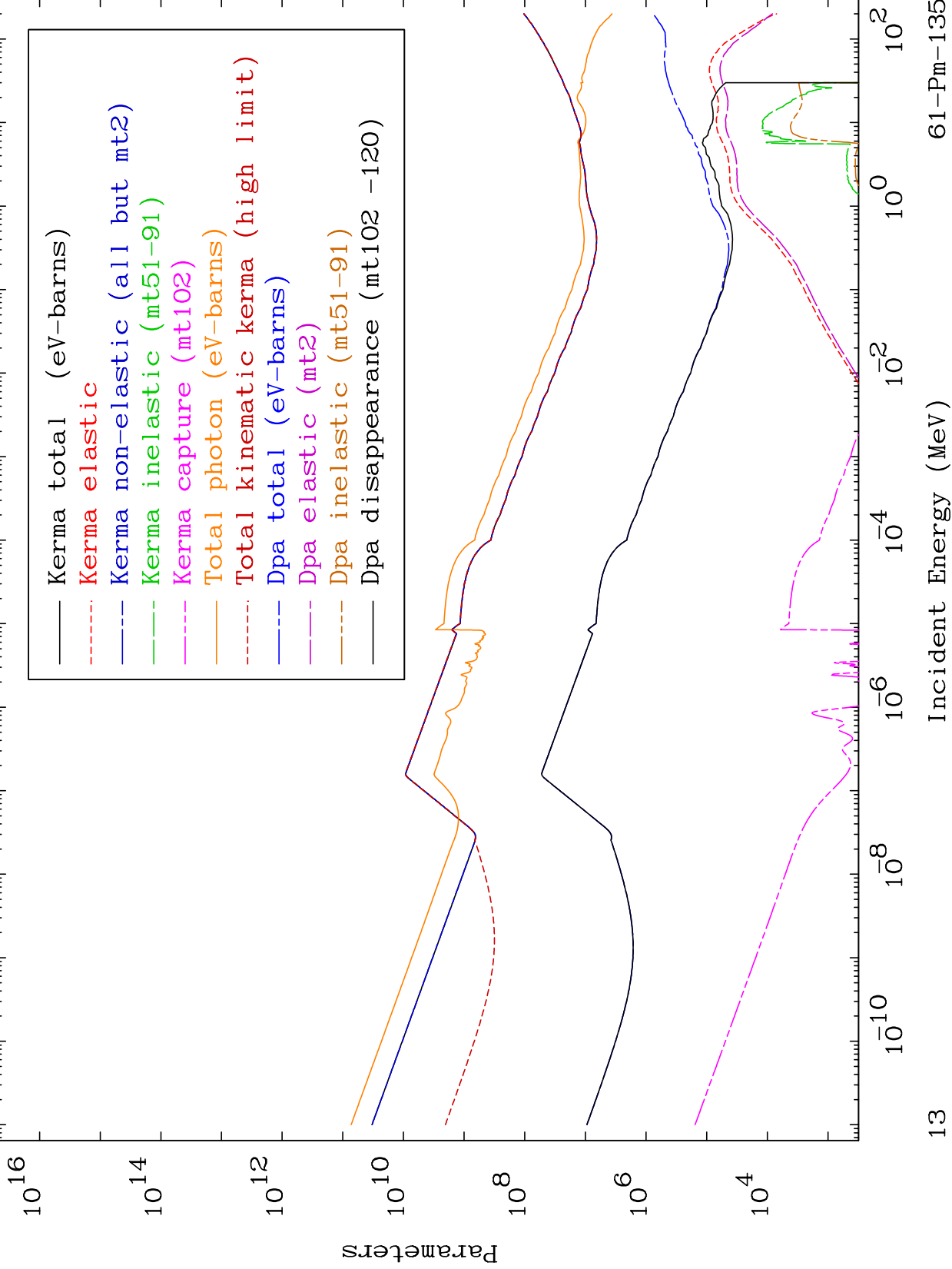
MAT 6113

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-135



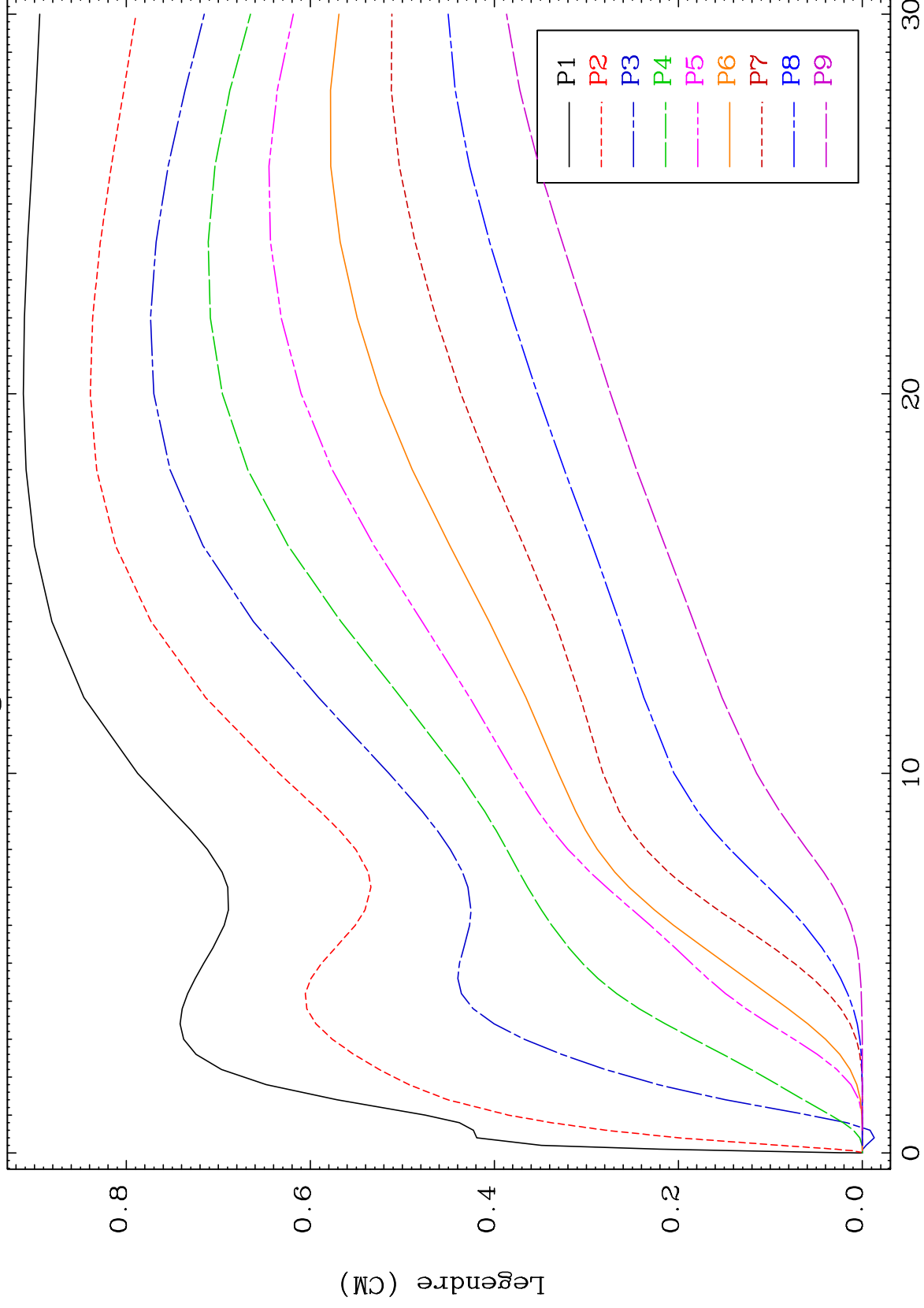




MAT 6113

Elastic Legendre Coefficients

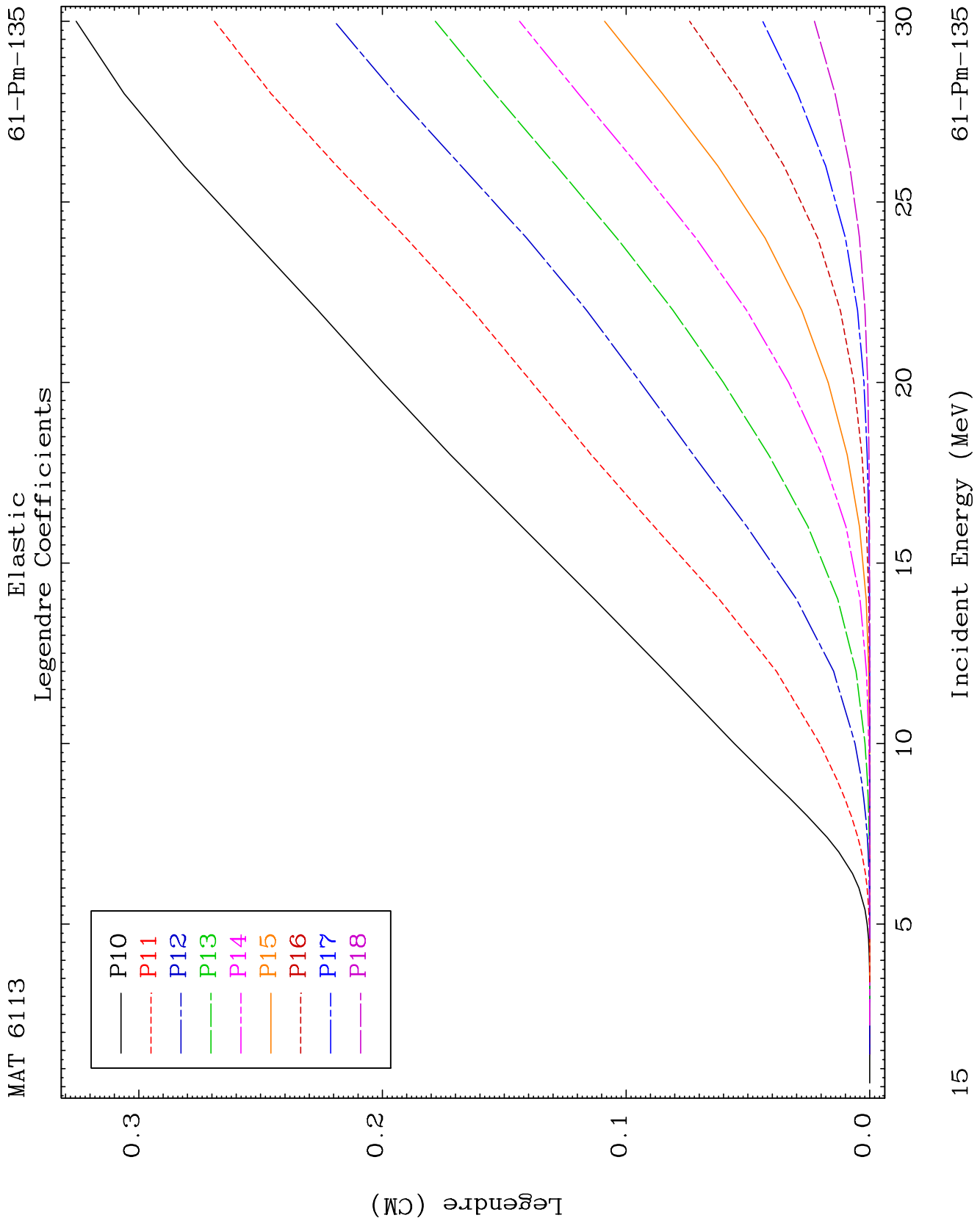
61-Pm-135



14

Incident Energy (MeV)

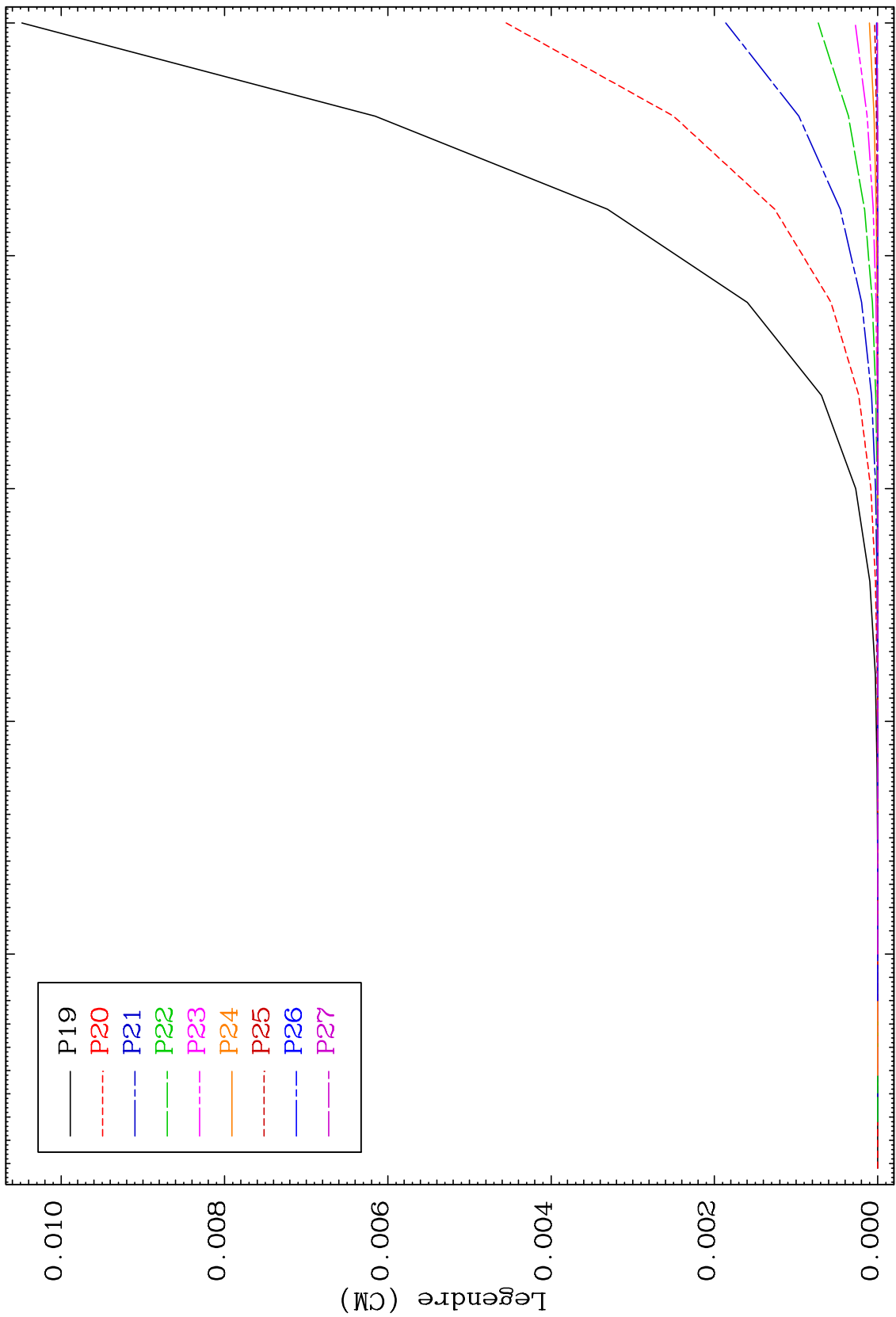
61-Pm-135



MAT 6113

Elastic Legendre Coefficients

61-Pm-135



16

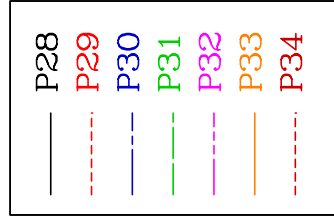
Incident Energy (MeV)

61-Pm-135

MAT 6113

Elastic
Legendre Coefficients

61-Pm-135



$\times 10^{-6}$
1.0

0.8

Legendre (CM)

0.6

0.4

0.2

0.0

15

20

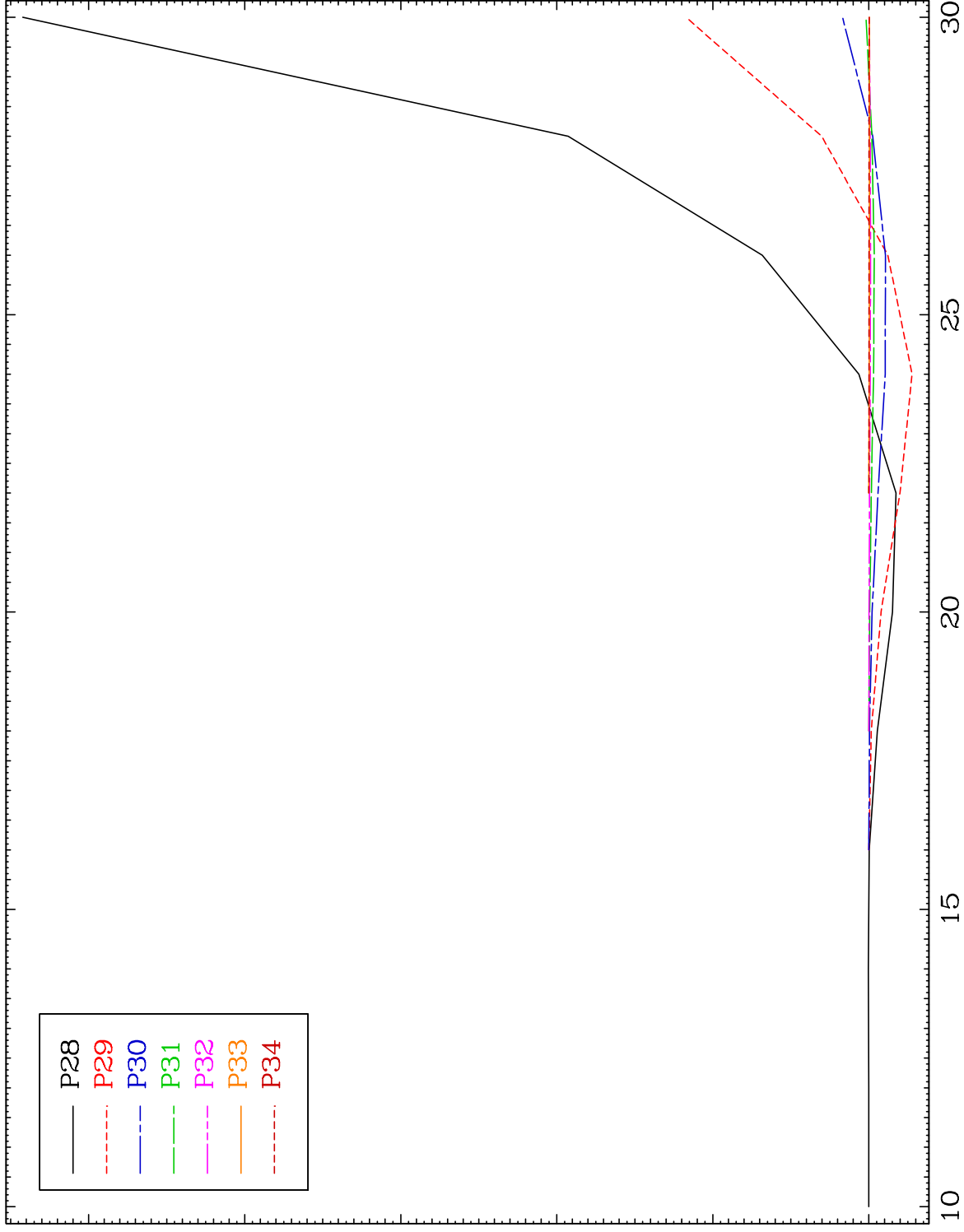
25

30

17

Incident Energy (MeV)

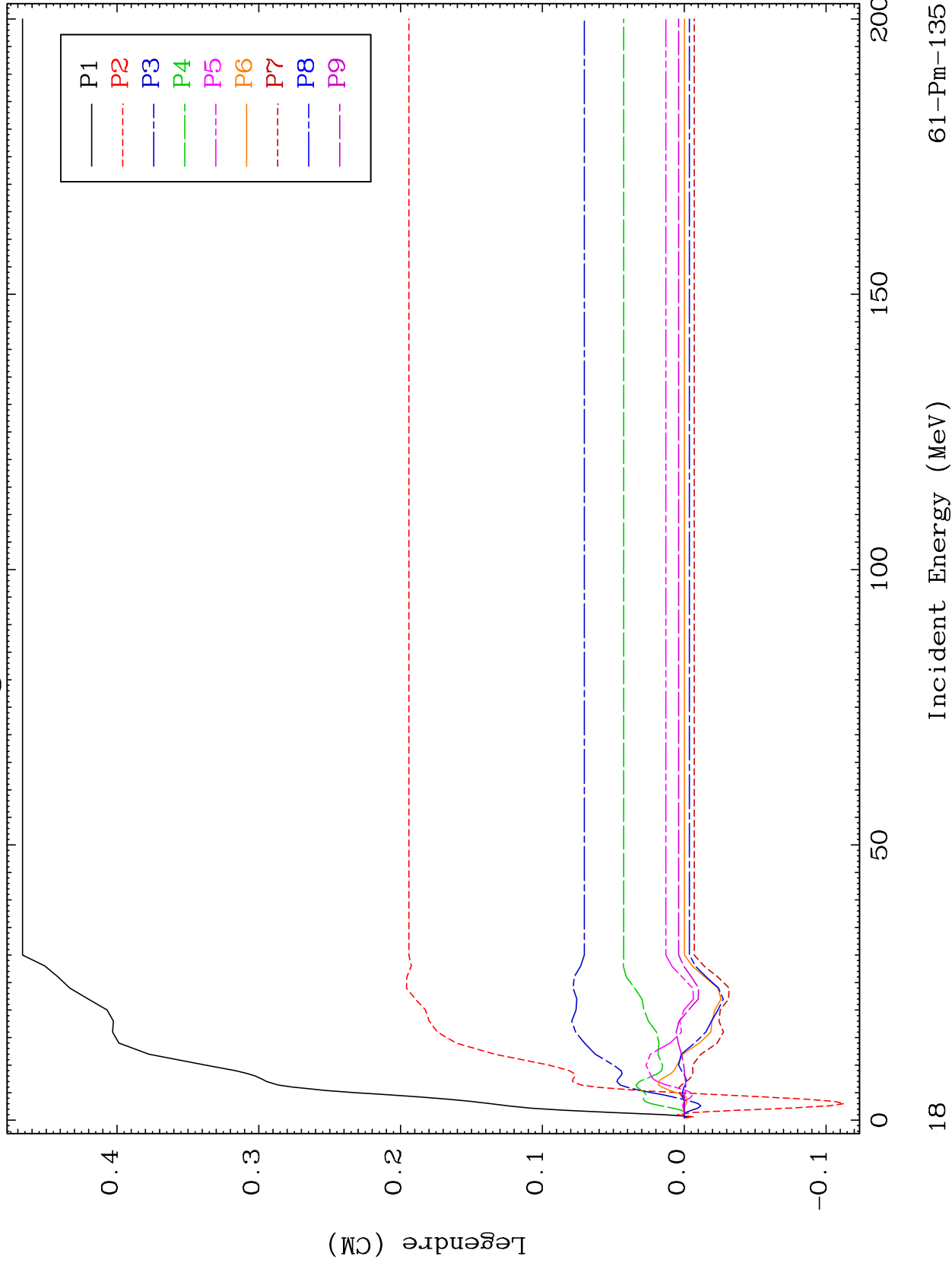
61-Pm-135



MAT 6113

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

61-Pm-135



61-Pm-135

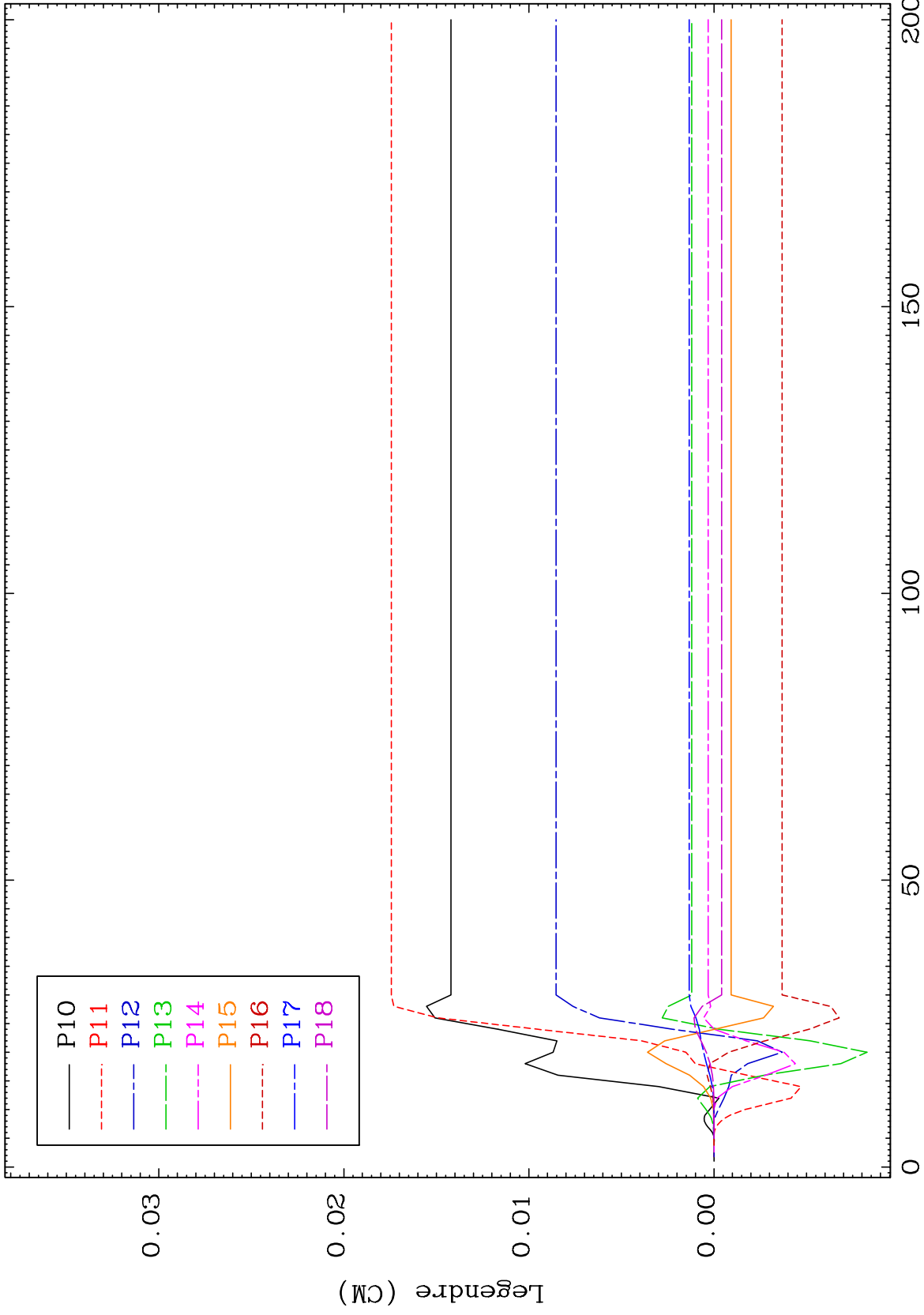
Incident Energy (MeV)

18

MAT 6113

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

61-Pm-135



19

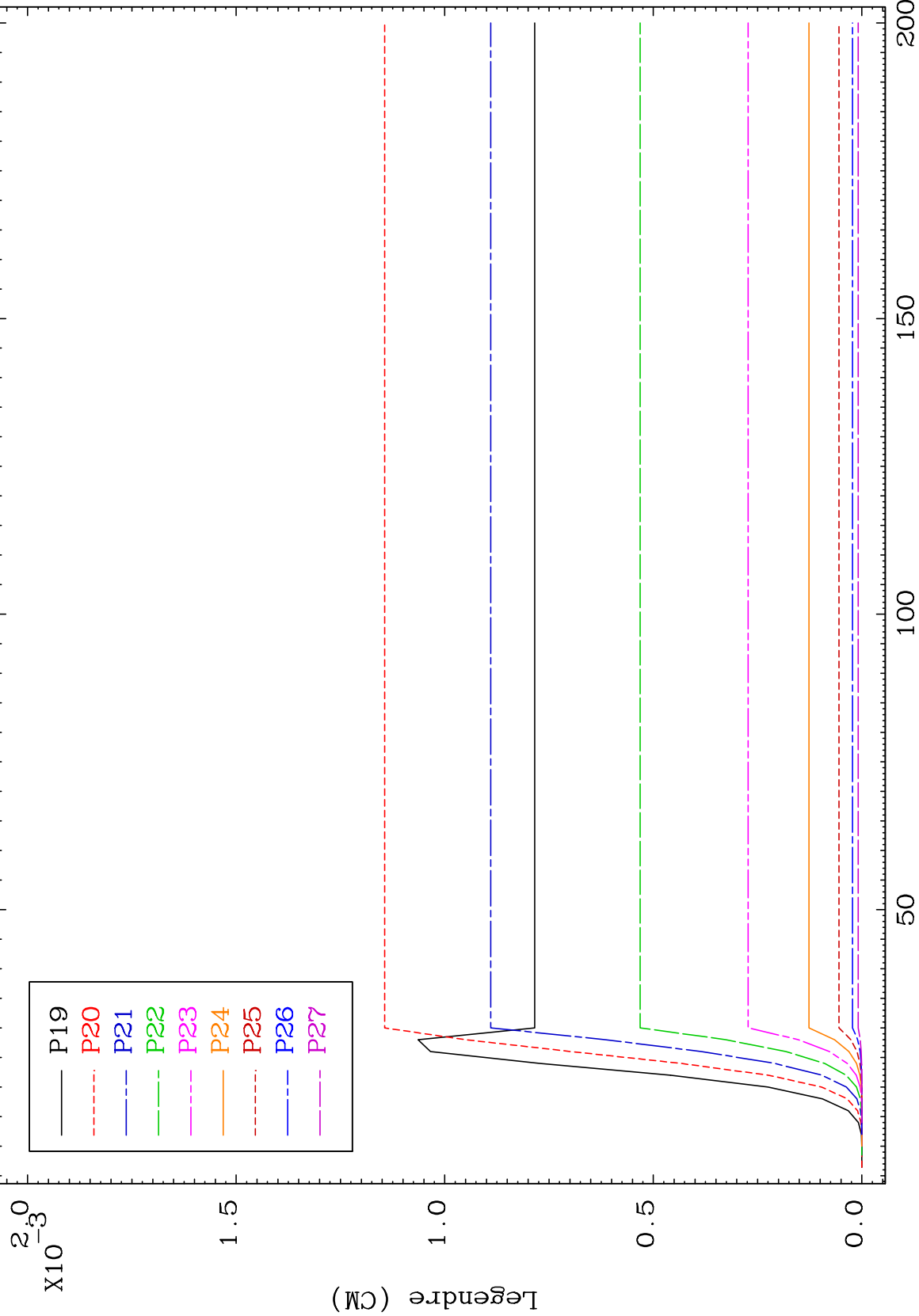
Incident Energy (MeV)

61-Pm-135

MAT 6113

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

61-Pm-135



20

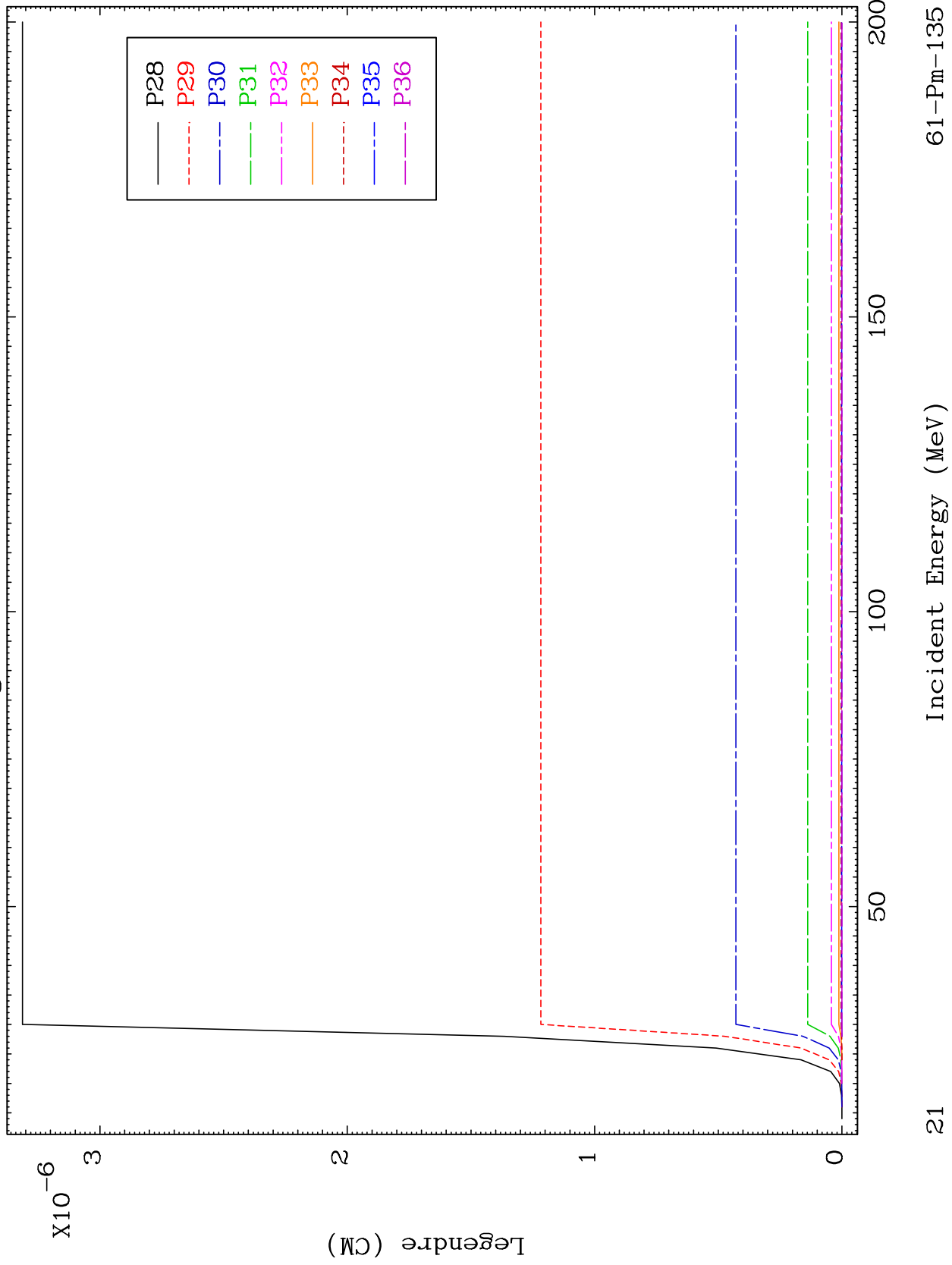
Incident Energy (MeV)

61-Pm-135

MAT 6113

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

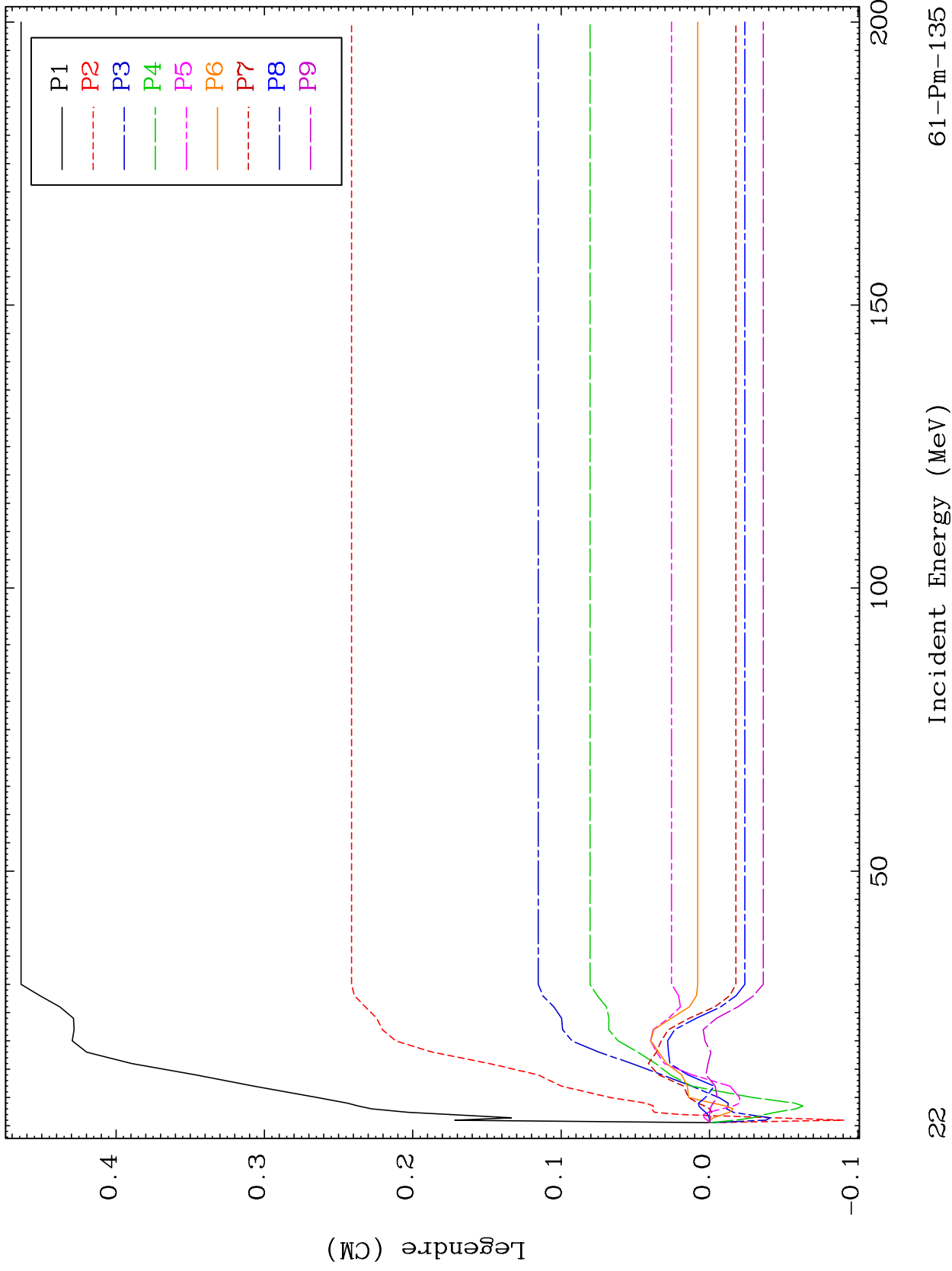
61-Pm-135



21

Incident Energy (MeV)

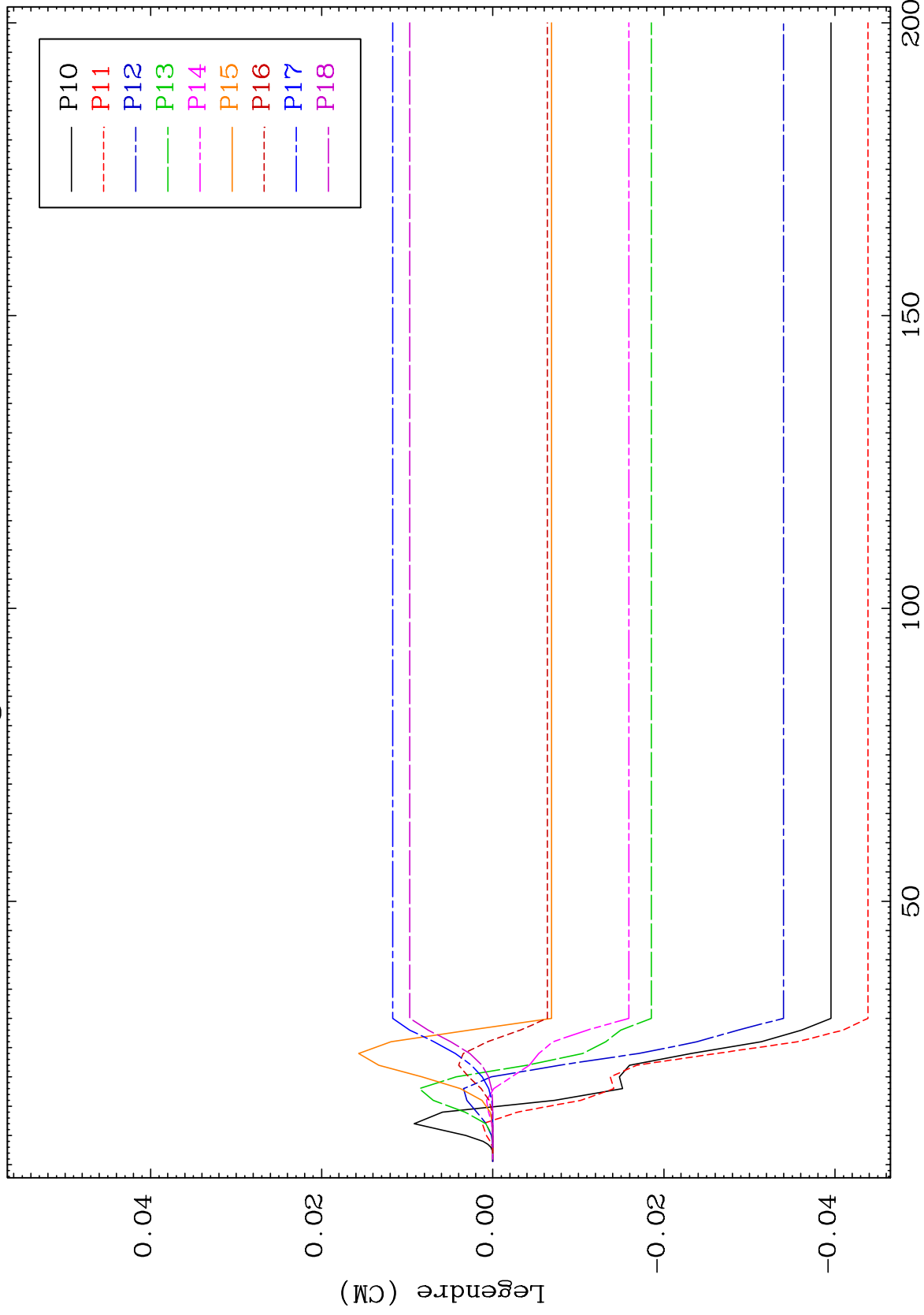
61-Pm-135



MAT 6113

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

61-Pm-135



23

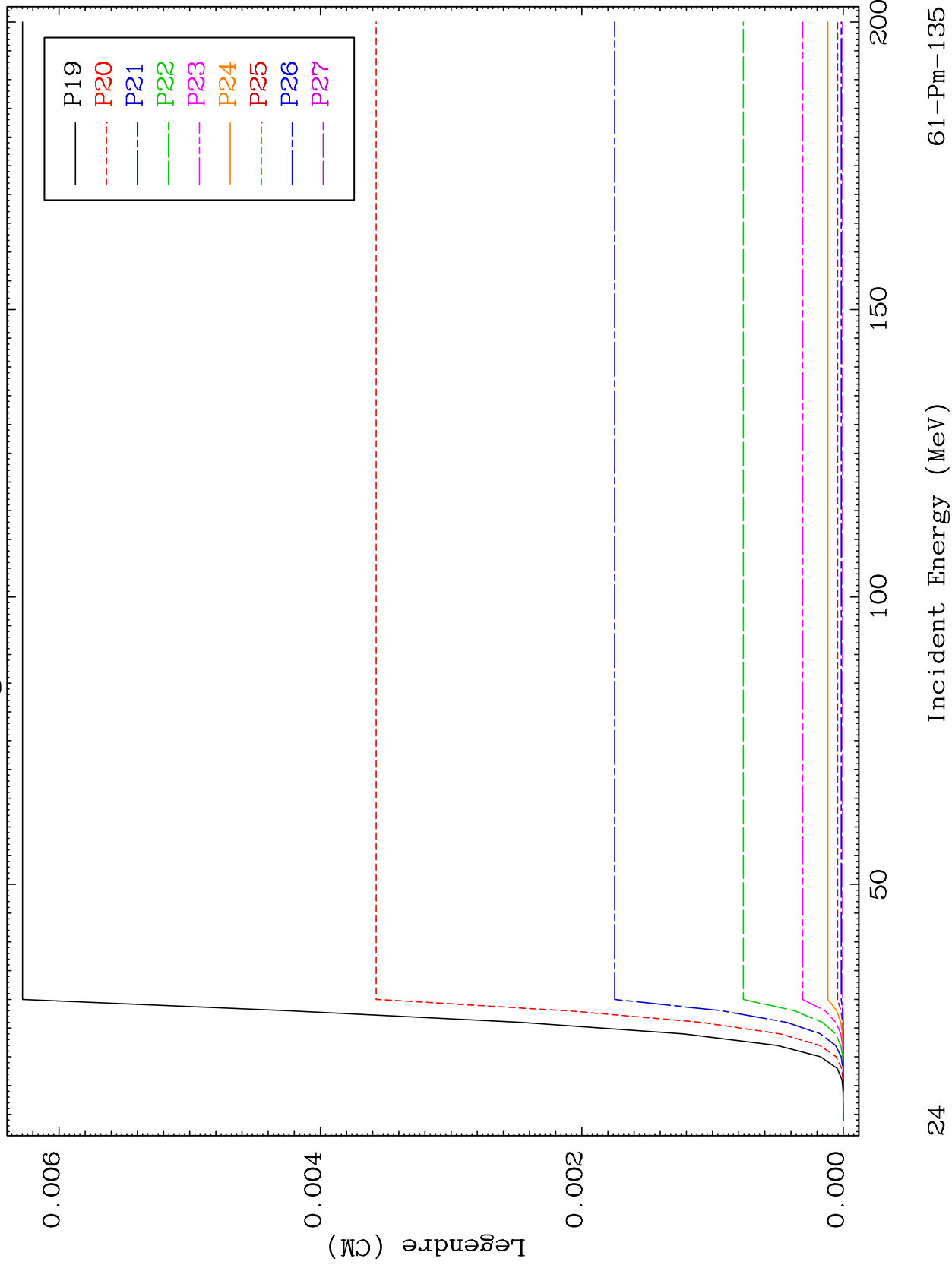
Incident Energy (MeV)

61-Pm-135

MAT 6113

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

61-Pm-135



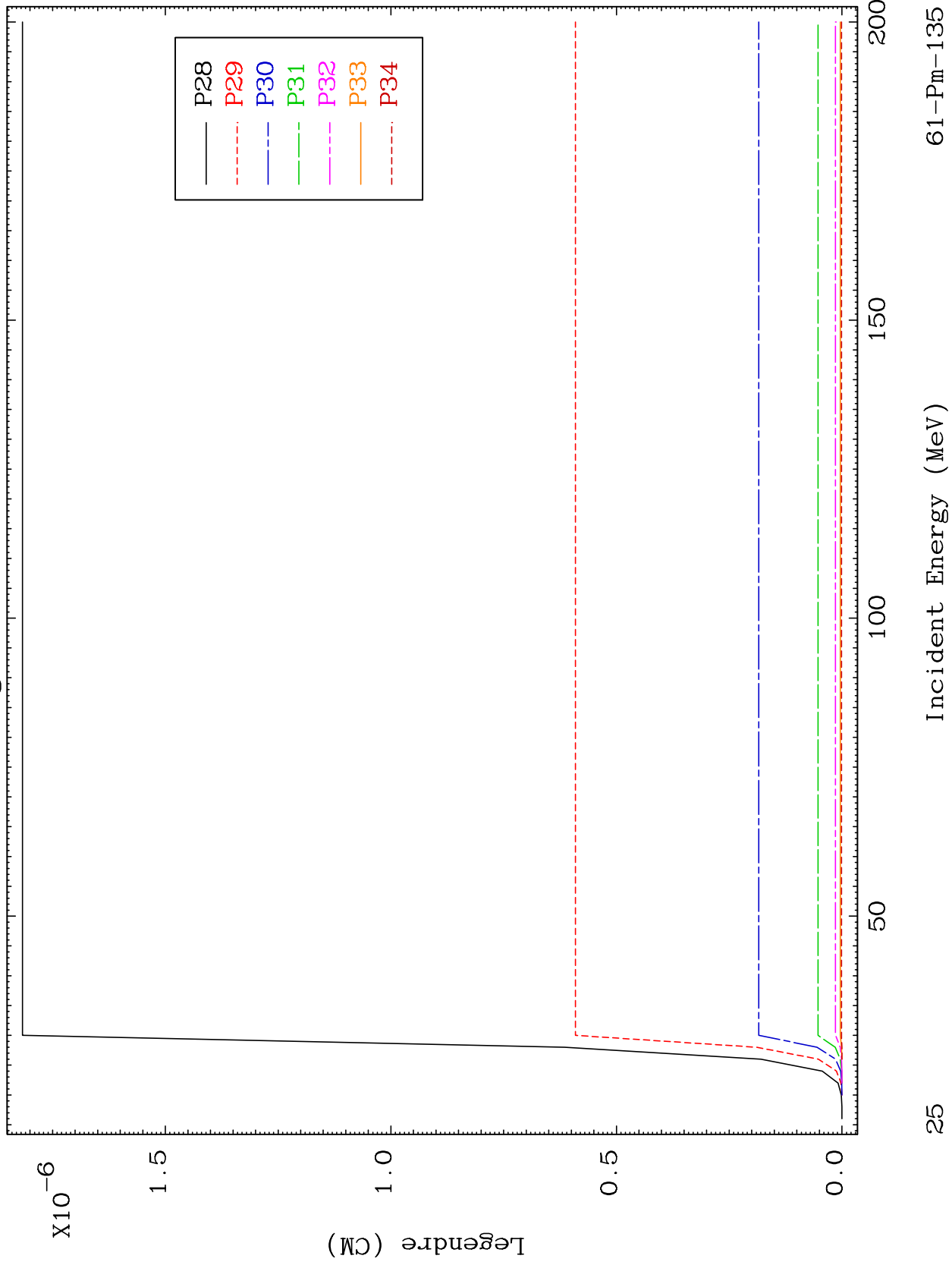
24

61-Pm-135

MAT 6113

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

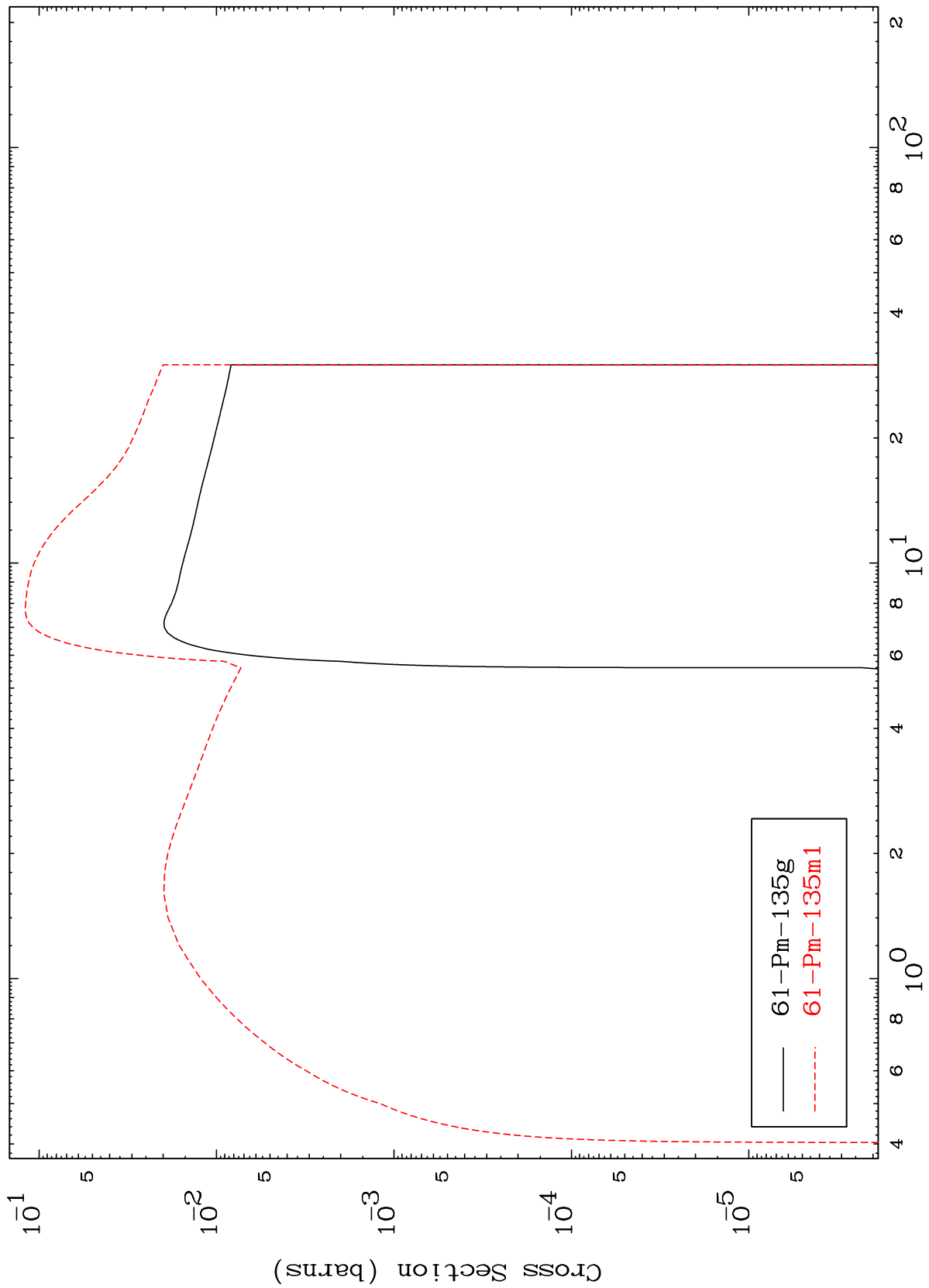
61-Pm-135



MAT 6113

61-Pm-135

Inelastic
Radionuclide Production Cross Section



61-Pm-135g
61-Pm-135m1

61-Pm-135

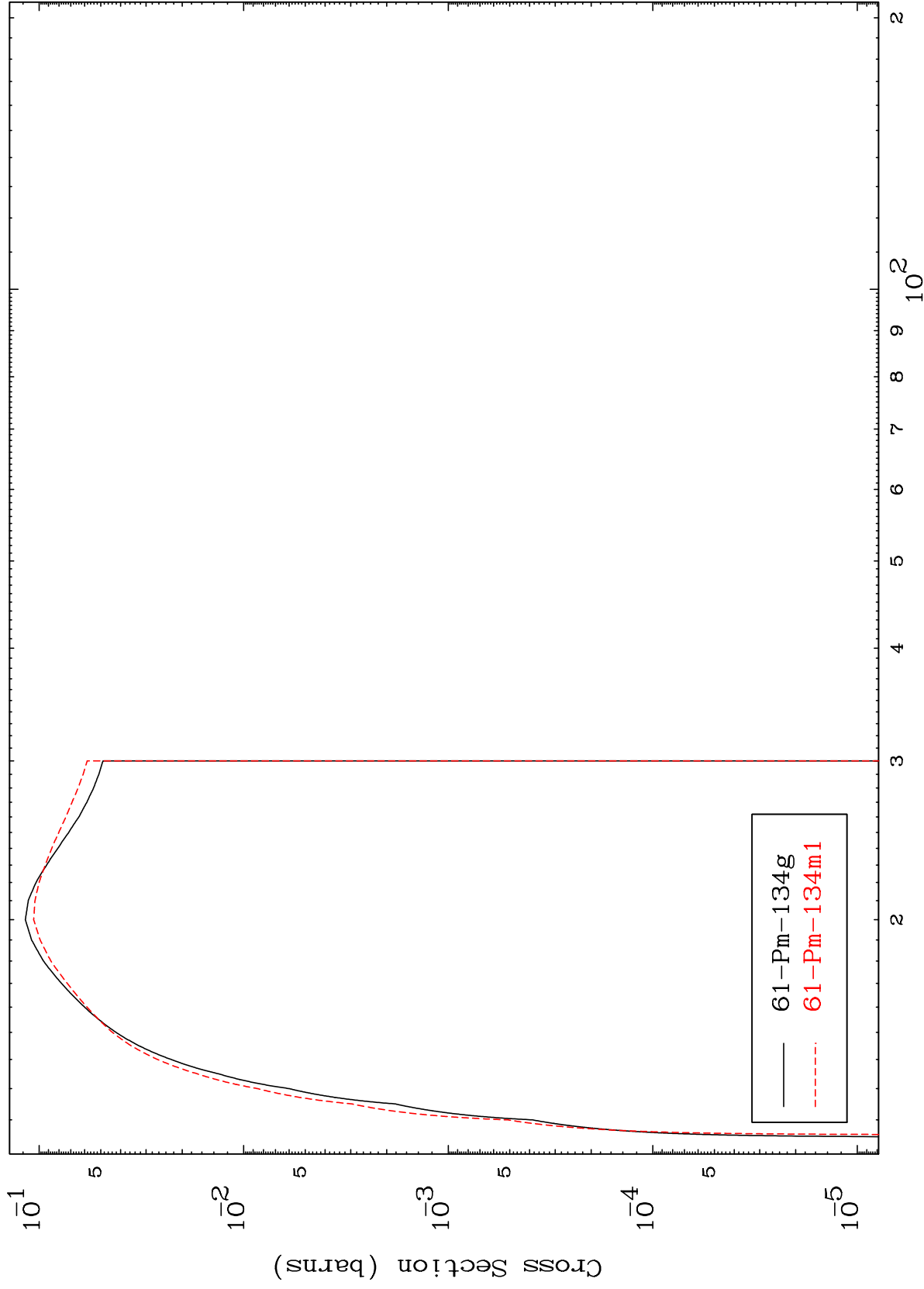
Incident Energy (MeV)

26

MAT 6113

61-Pm-135

(n,2n)
Radionuclide Production Cross Section



61-Pm-135

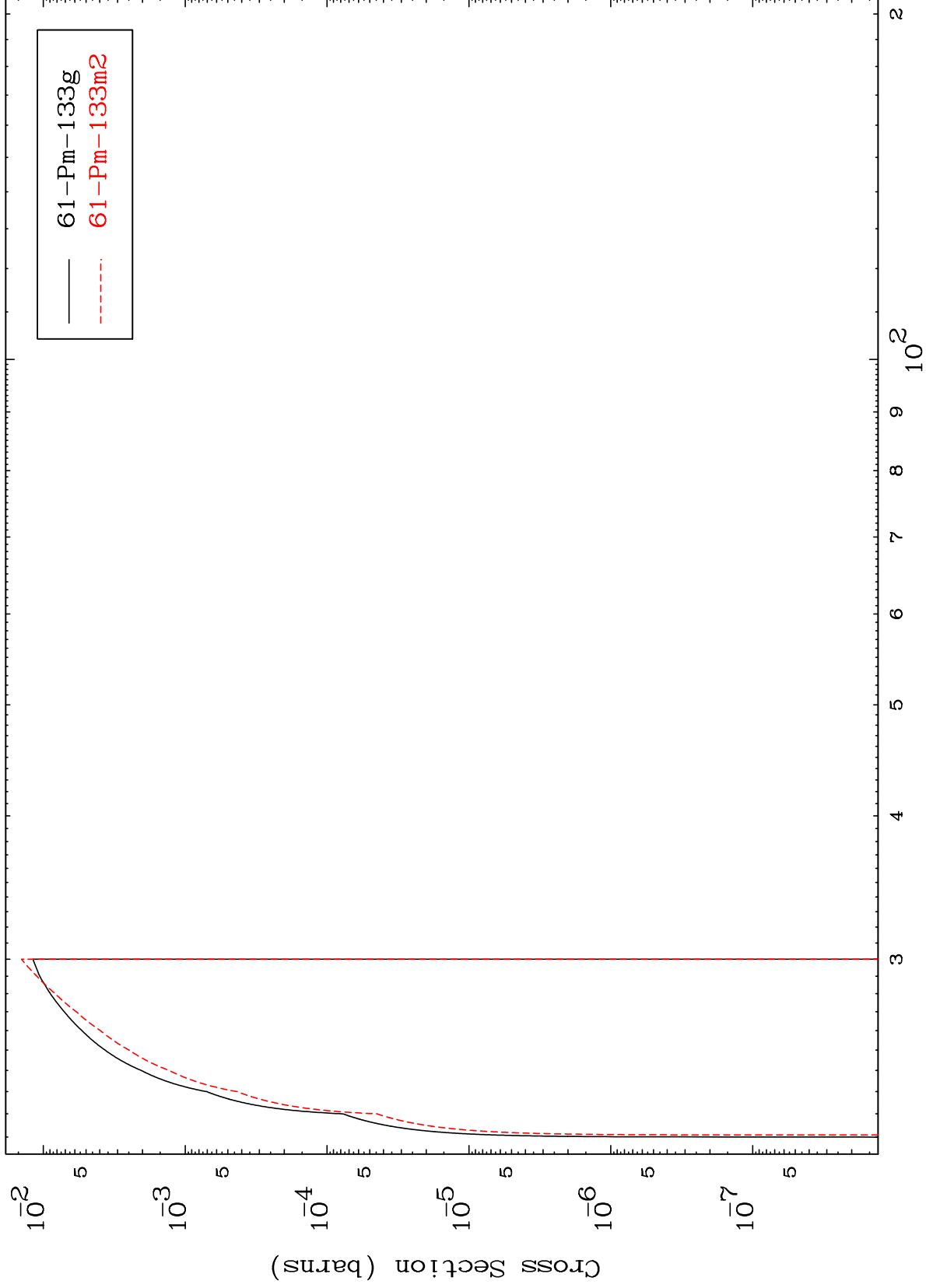
Incident Energy (MeV)

27

MAT 6113

61-Pm-135

(n,3n)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

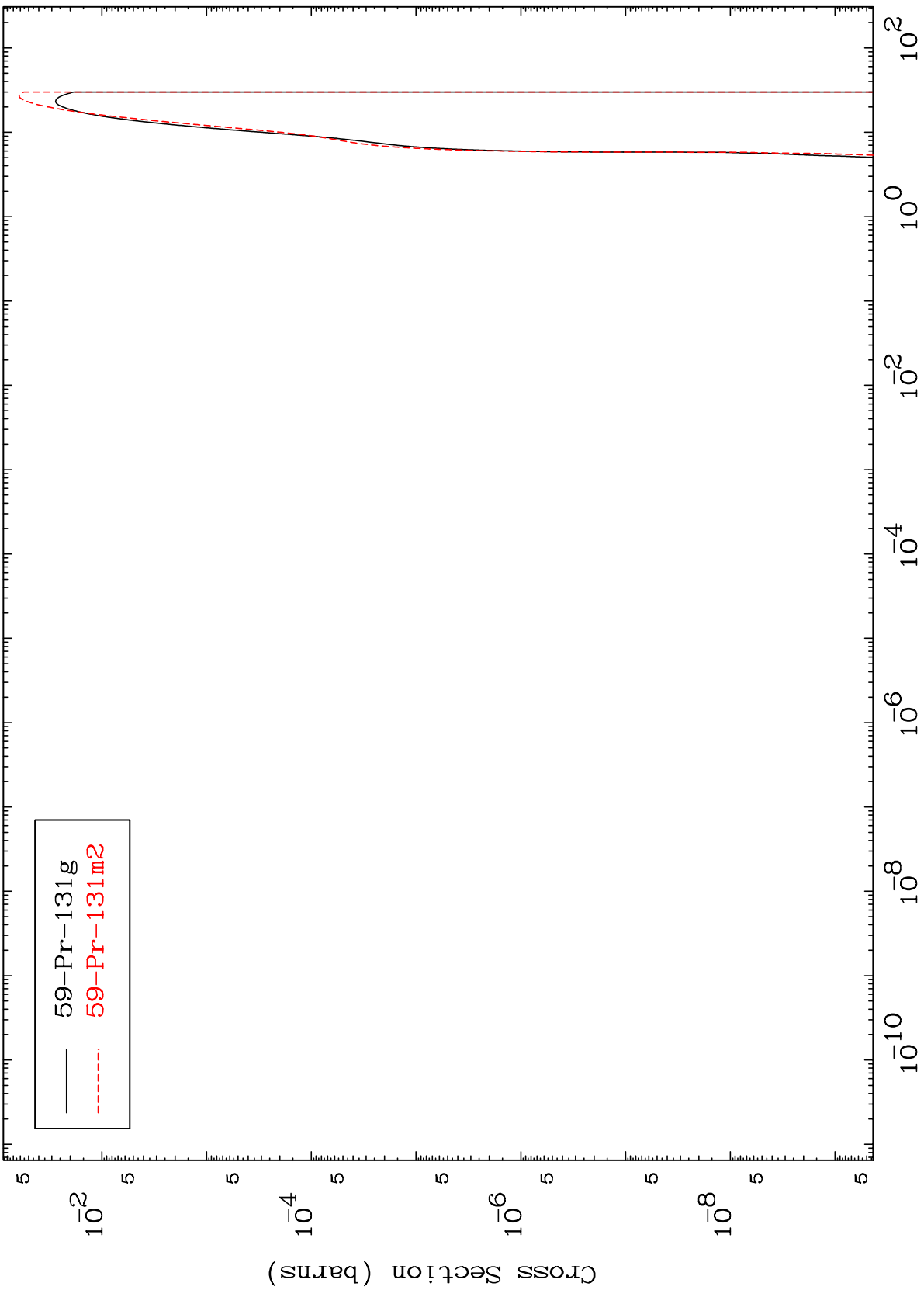
61-Pm-135

MAT 6113

$(n, n') \alpha$

61-Pm-135

Radionuclide Production Cross Section

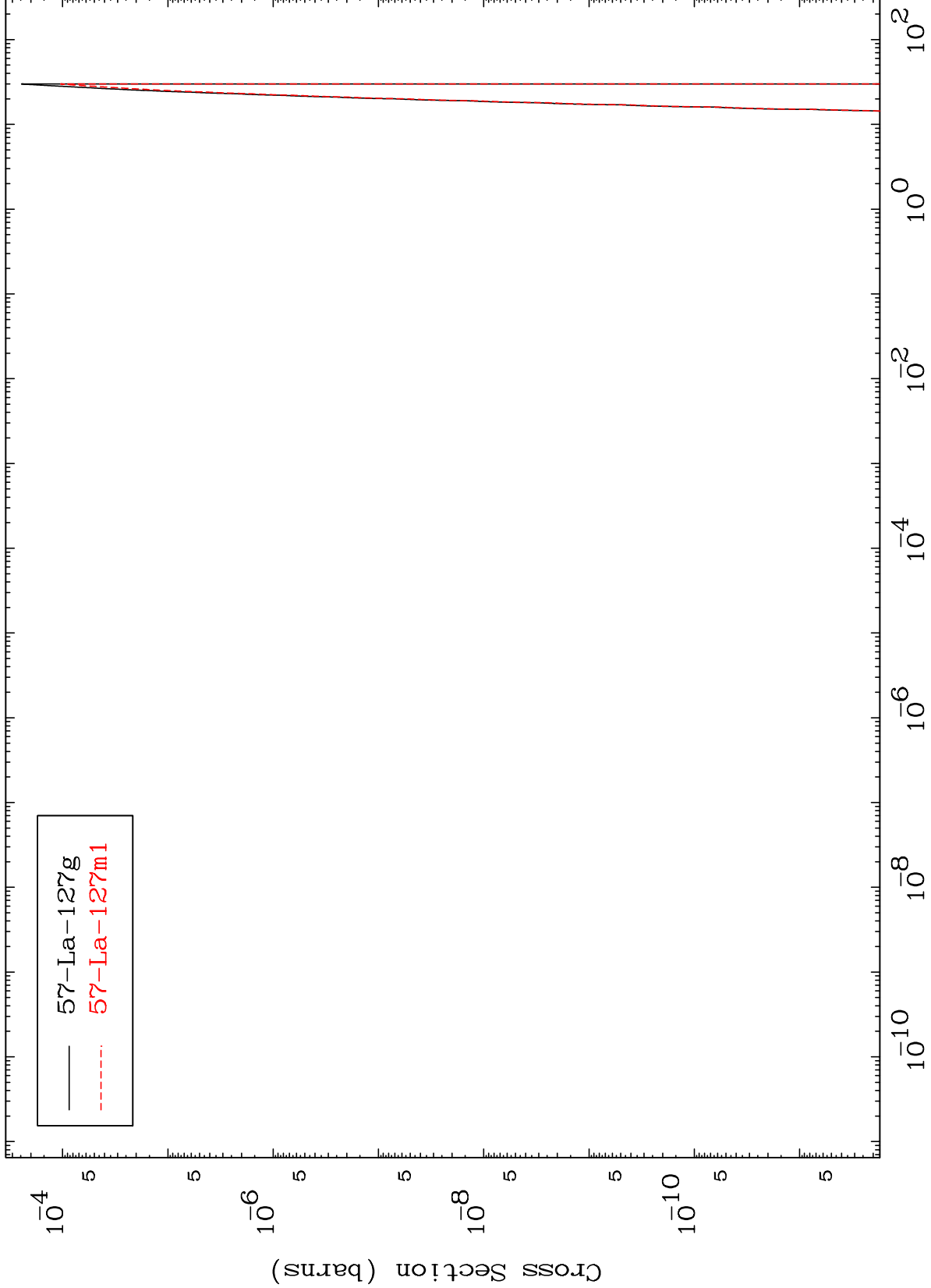


MAT 6113

(n,n') 2α

61-Pm-135

Radionuclide Production Cross Section

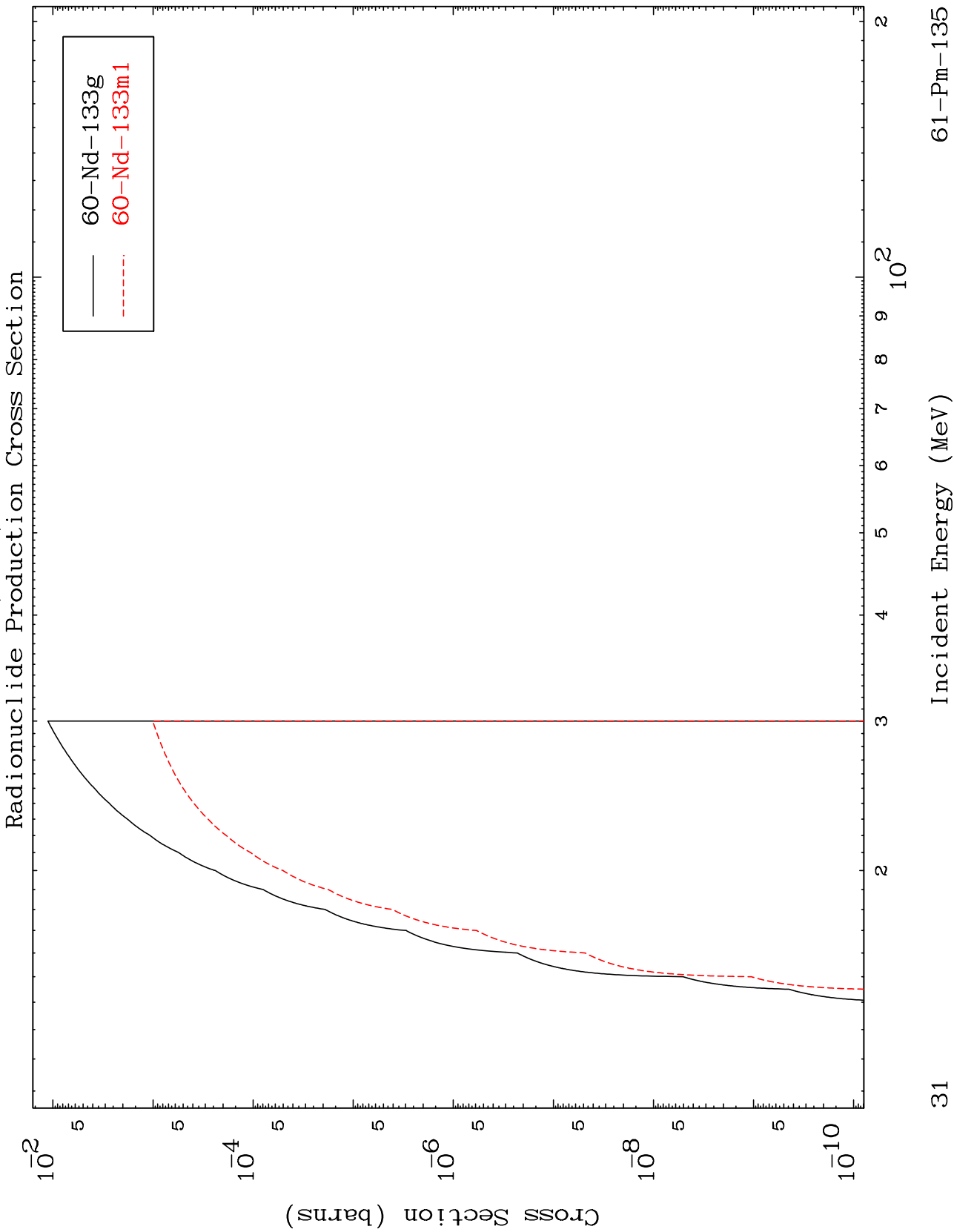


57-La-127g
57-La-127m1

MAT 6113

(n,n') d

61-Pm-135



31

Incident Energy (MeV)

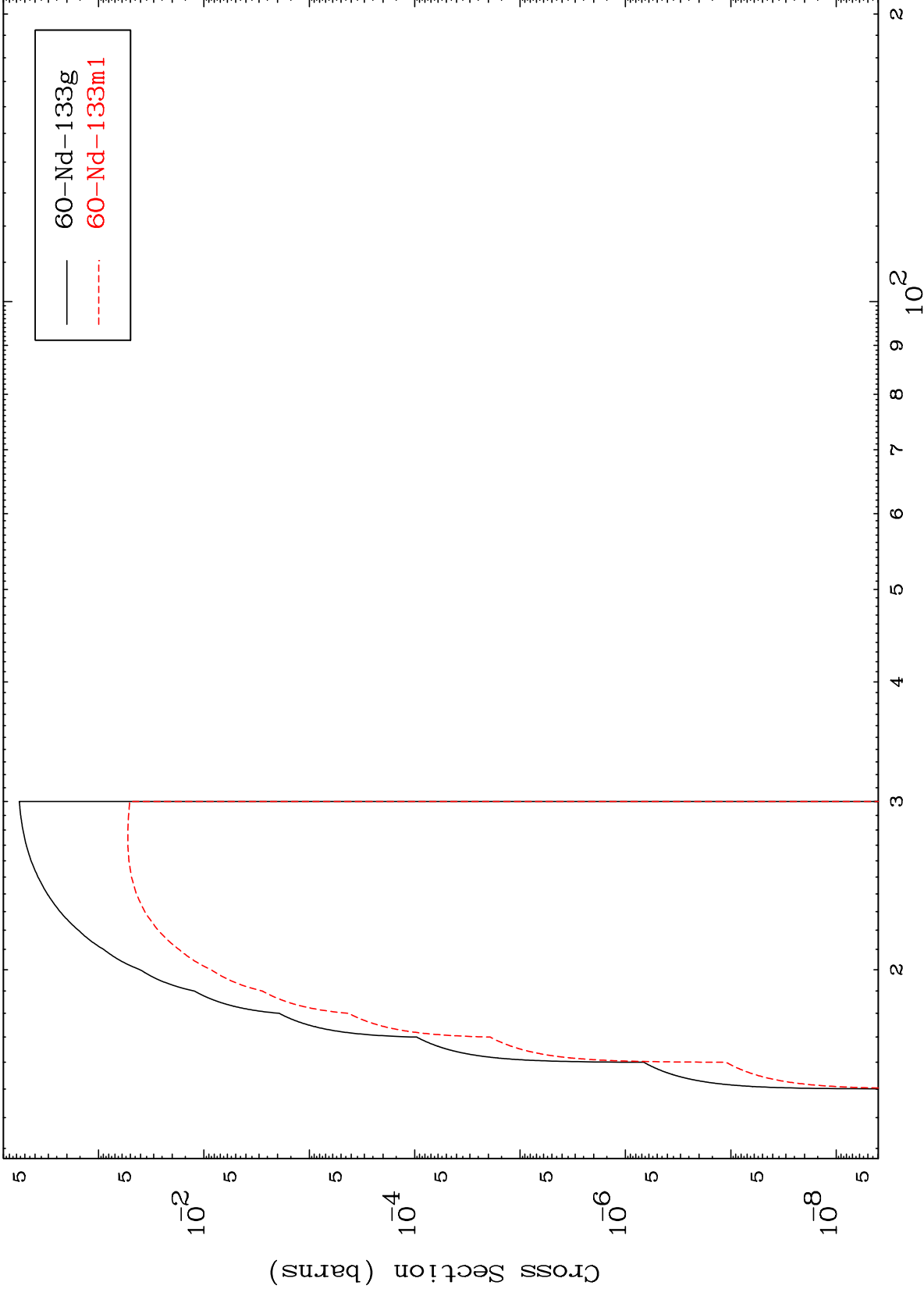
61-Pm-135

MAT 6113

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



32

Incident Energy (MeV)

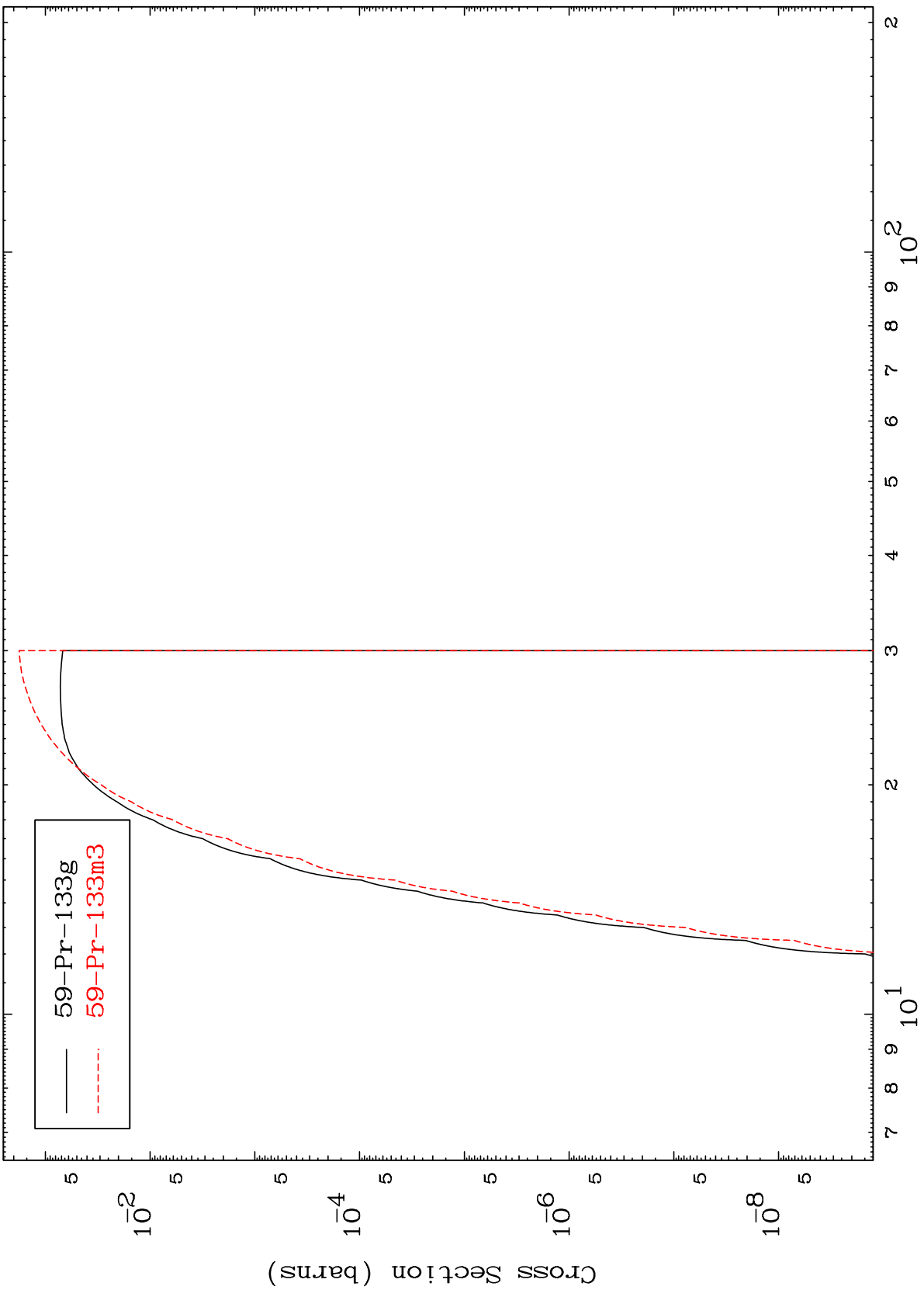
61-Pm-135

MAT 6113

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



59-Pr-133g
59-Pr-133m3

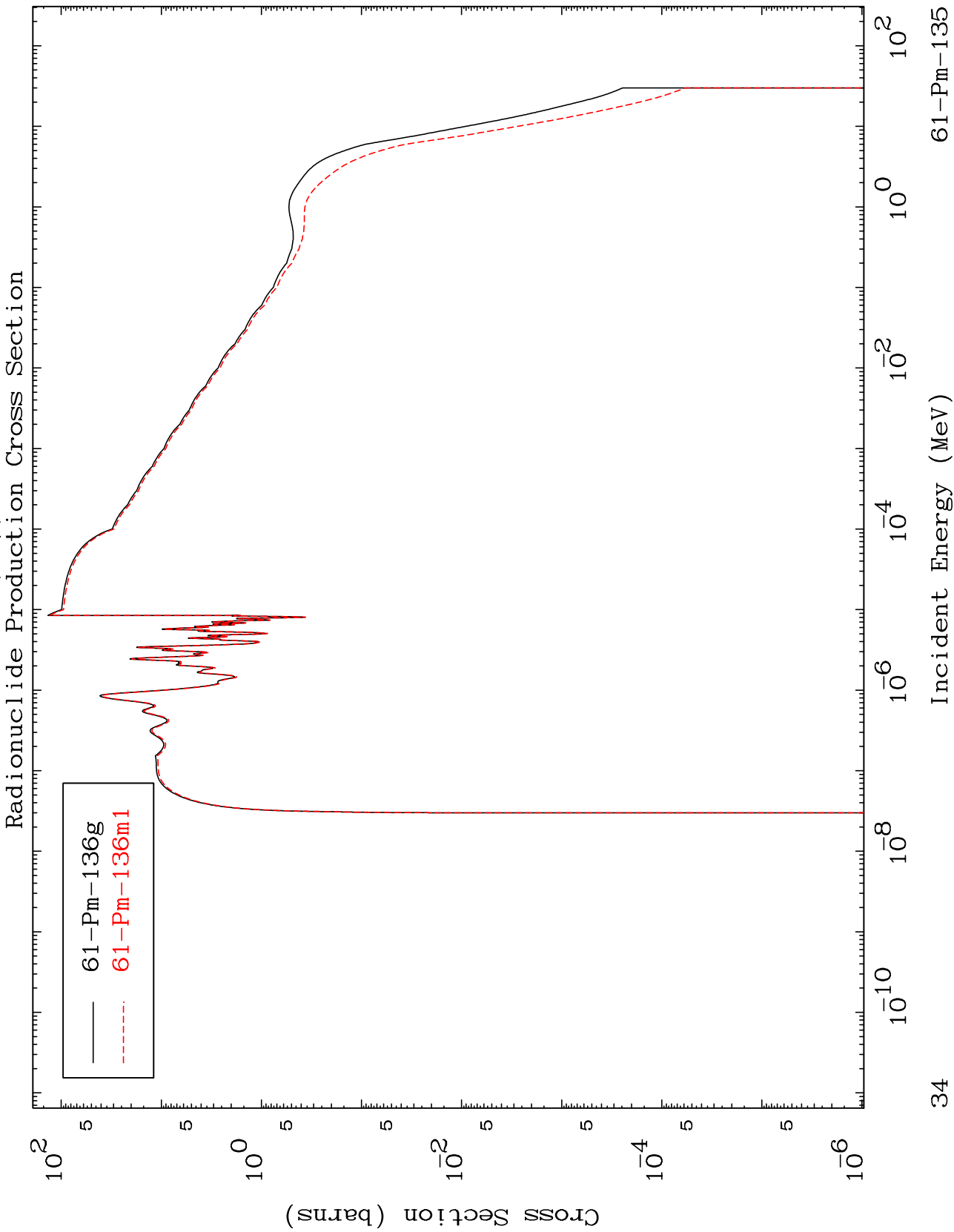
33

Incident Energy (MeV)

61-Pm-135

MAT 6113

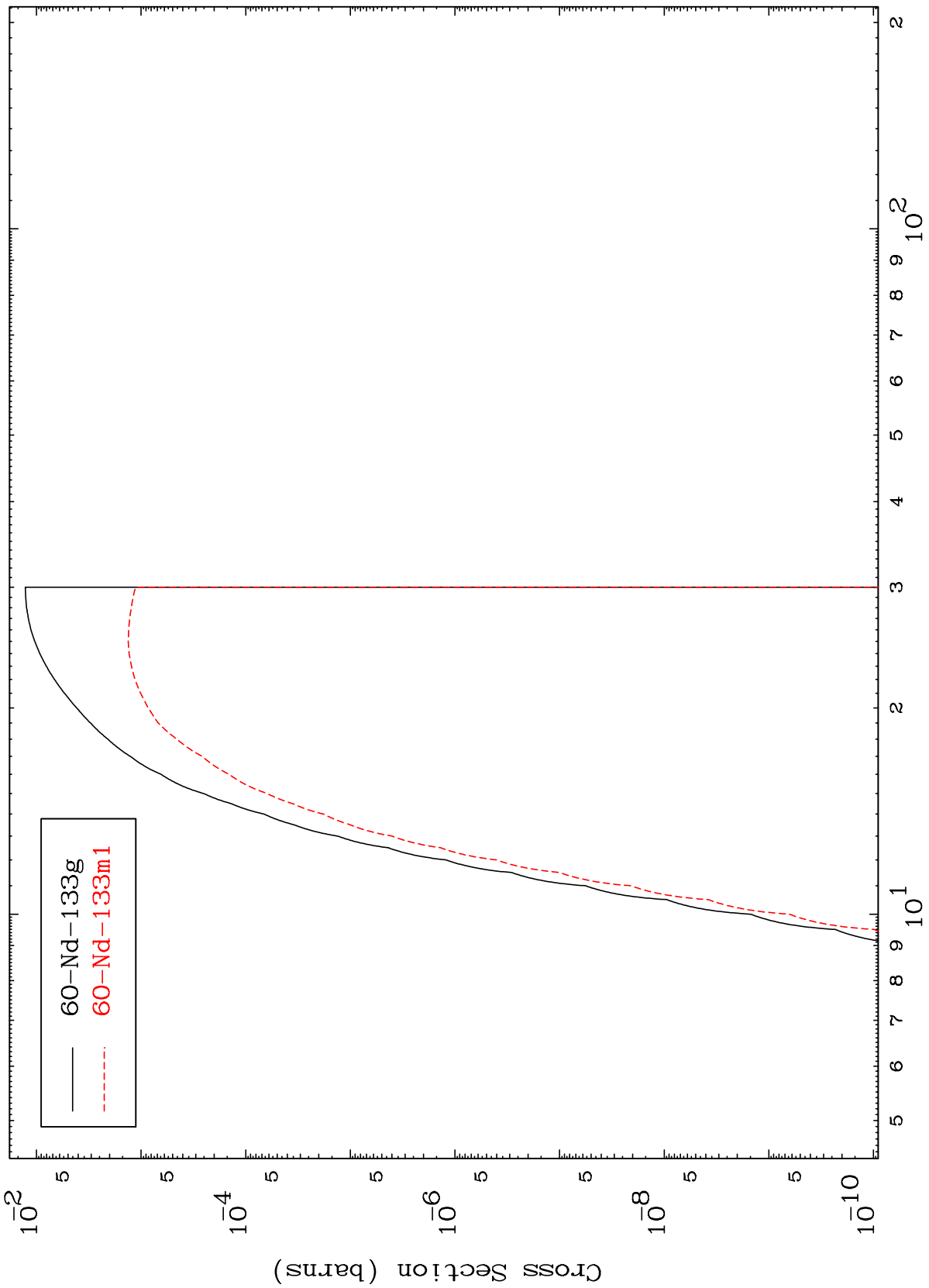
61-Pm-135



MAT 6113

61-Pm-135

(n, t)
Radionuclide Production Cross Section



60-Nd-133g
60-Nd-133m1

61-Pm-135

Incident Energy (MeV)

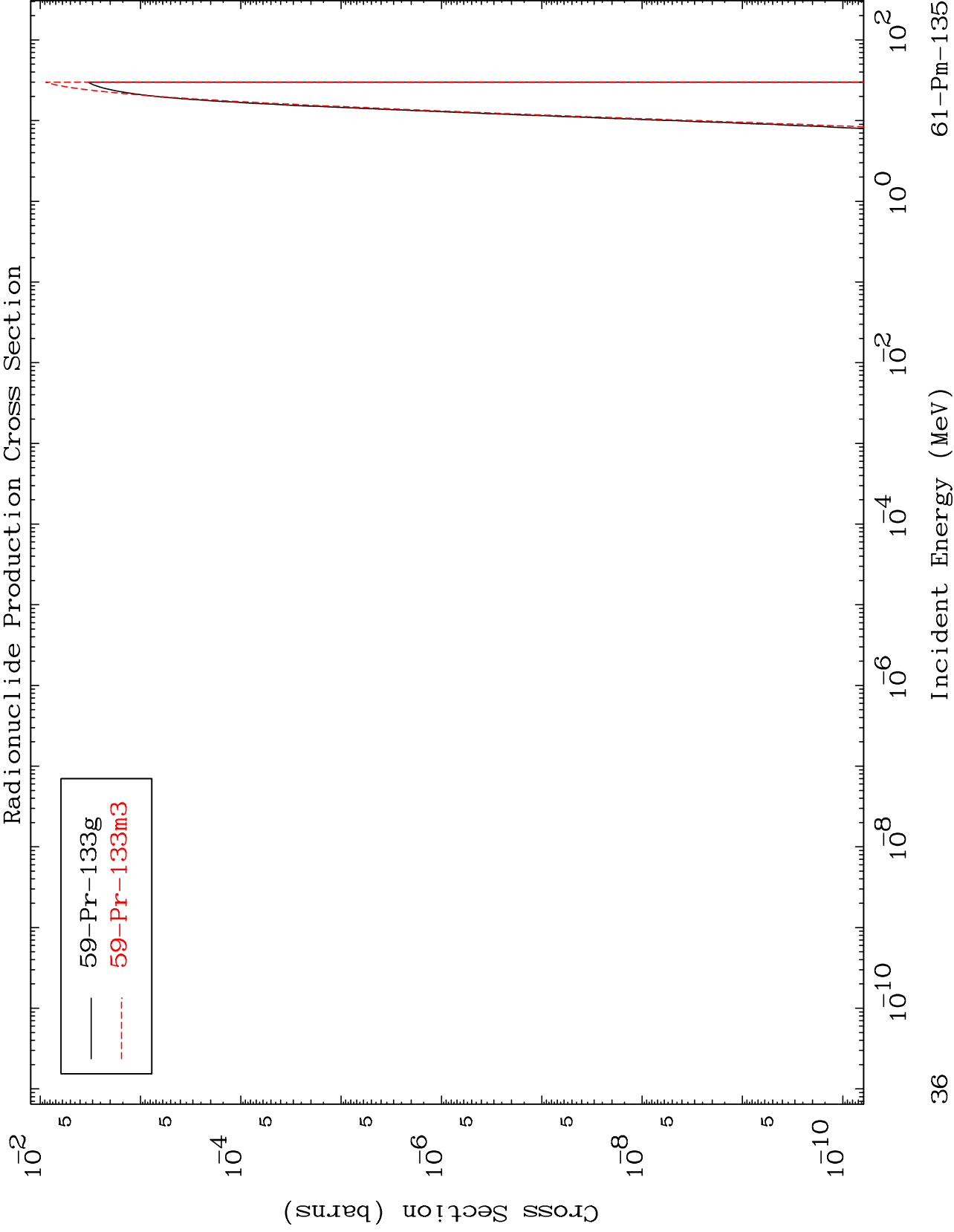
35

MAT 6113

(n,He-3)

61-Pm-135

Radionuclide Production Cross Section



36

Incident Energy (MeV)

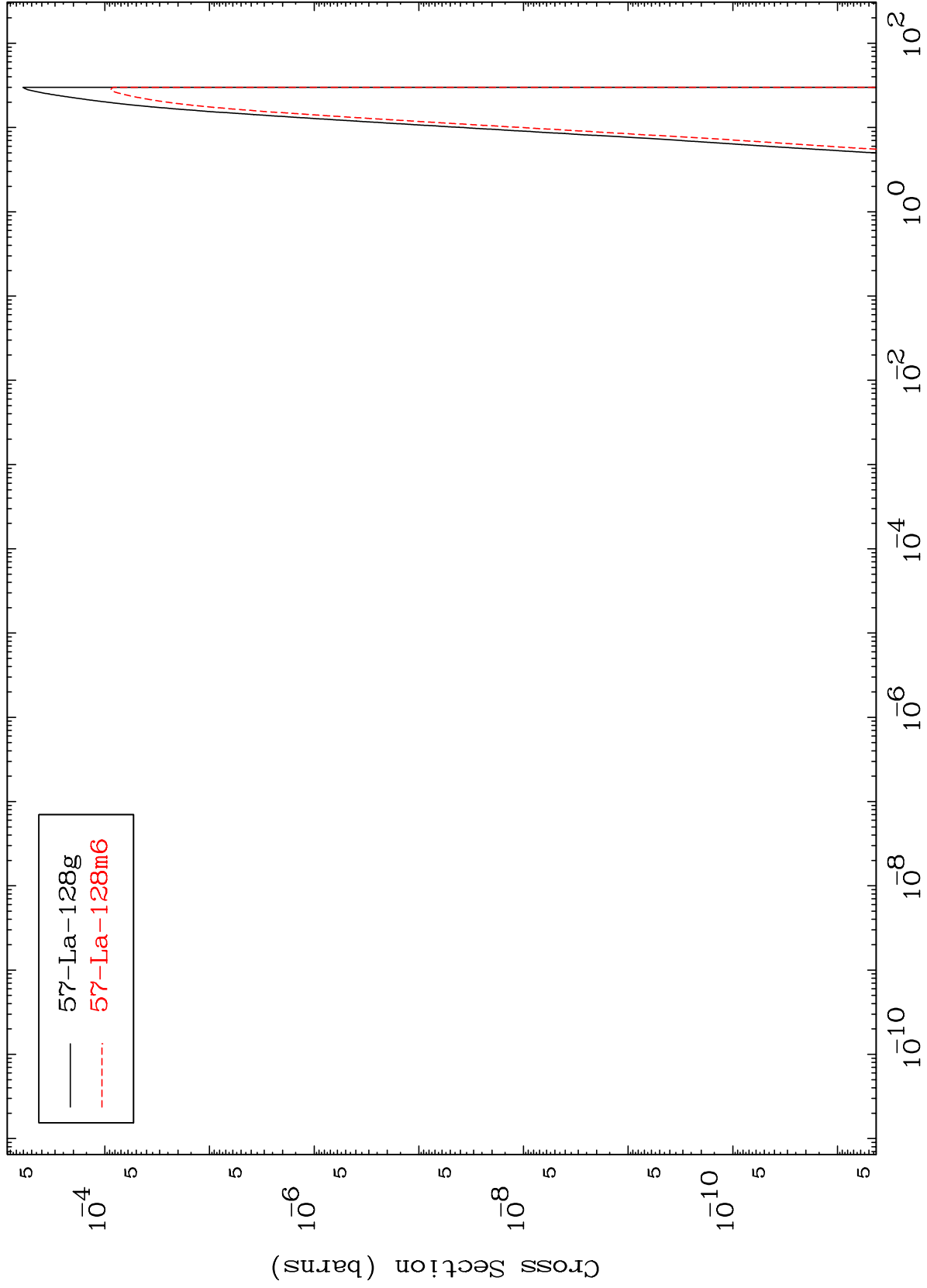
61-Pm-135

MAT 6113

(n,2α)

61-Pm-135

Radionuclide Production Cross Section



37

Incident Energy (MeV)

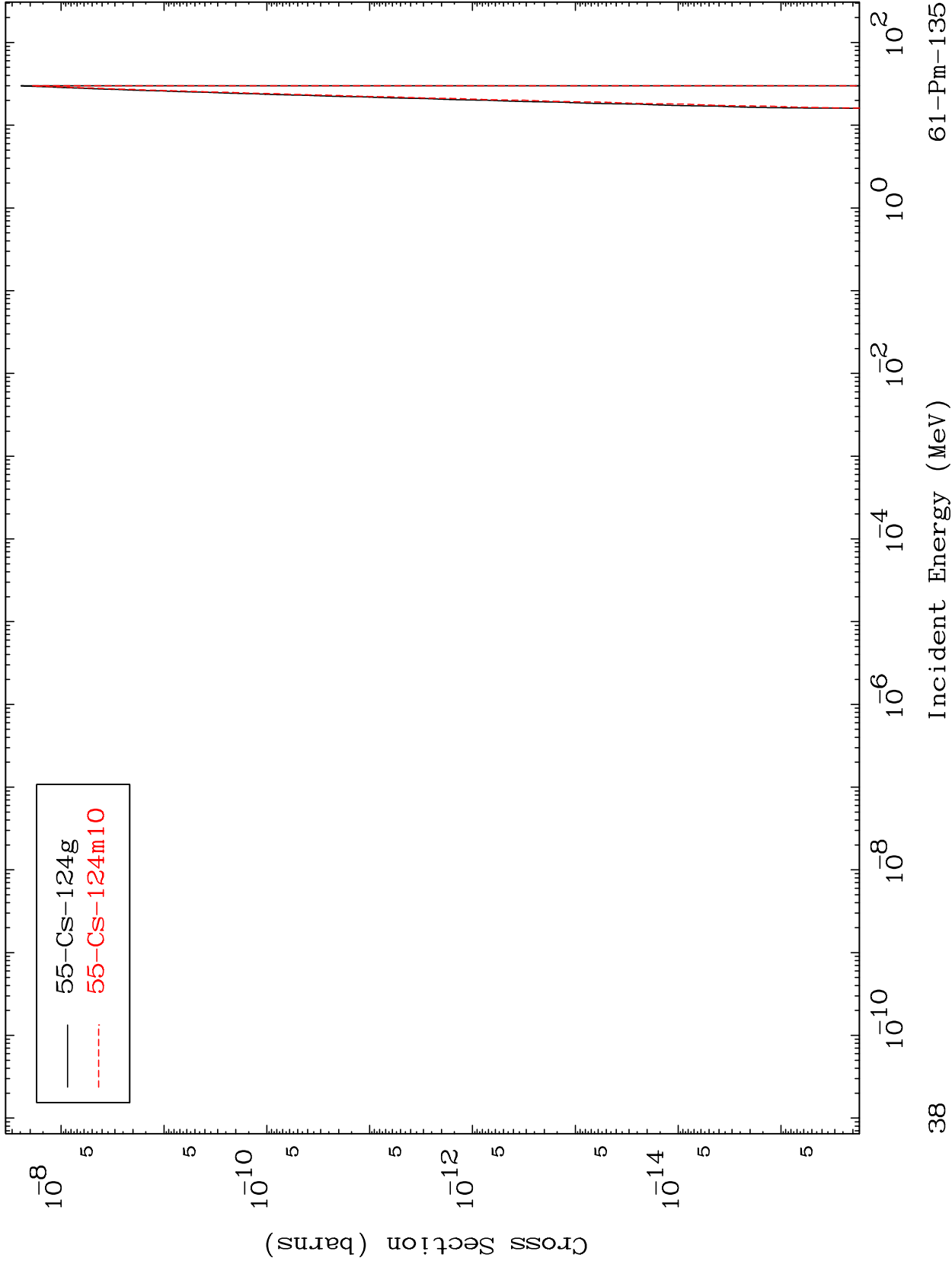
61-Pm-135

MAT 6113

(n,3α)

61-Pm-135

Radionuclide Production Cross Section

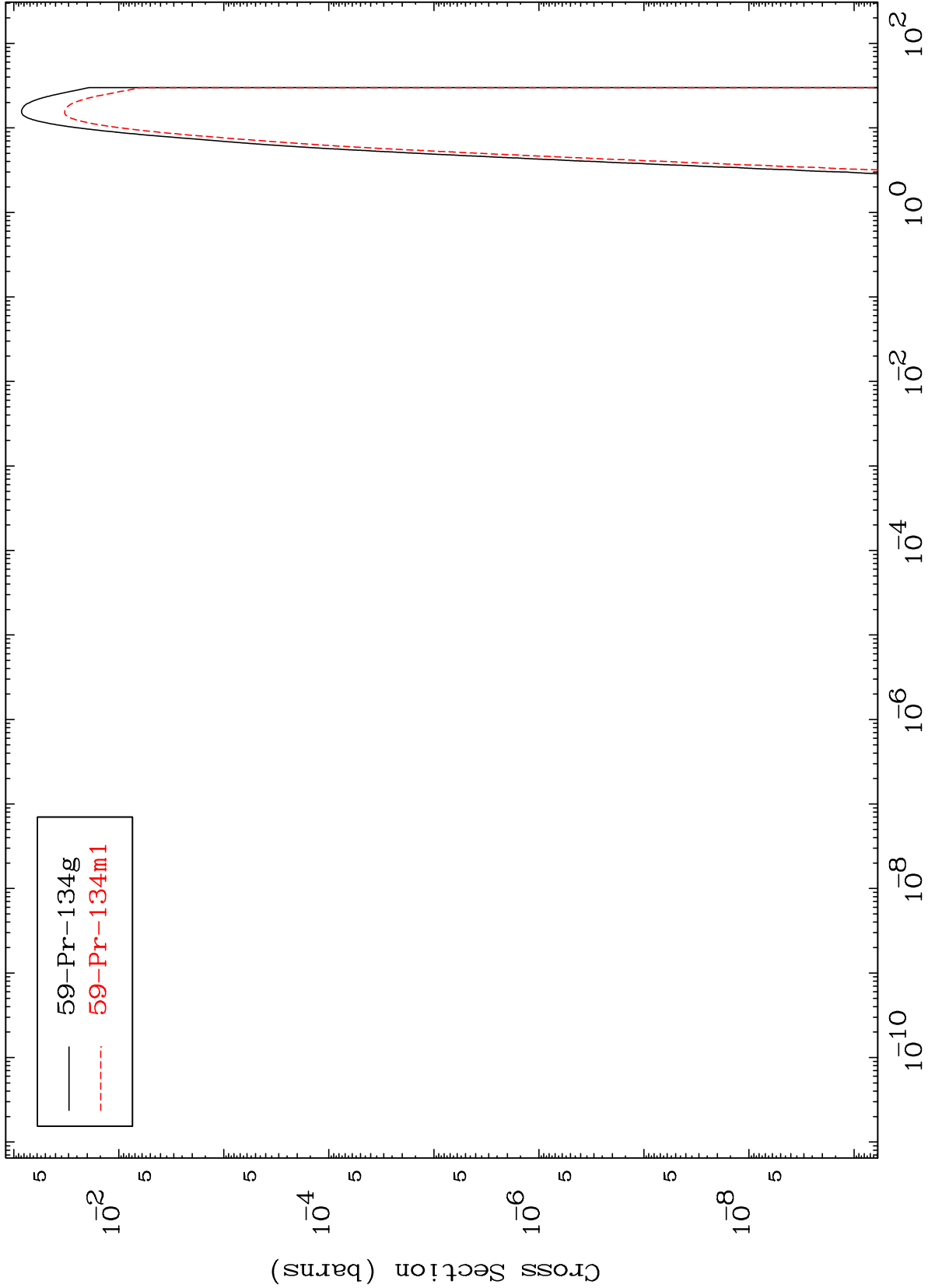


MAT 6113

(n,2p)

61-Pm-135

Radionuclide Production Cross Section



39

Incident Energy (MeV)

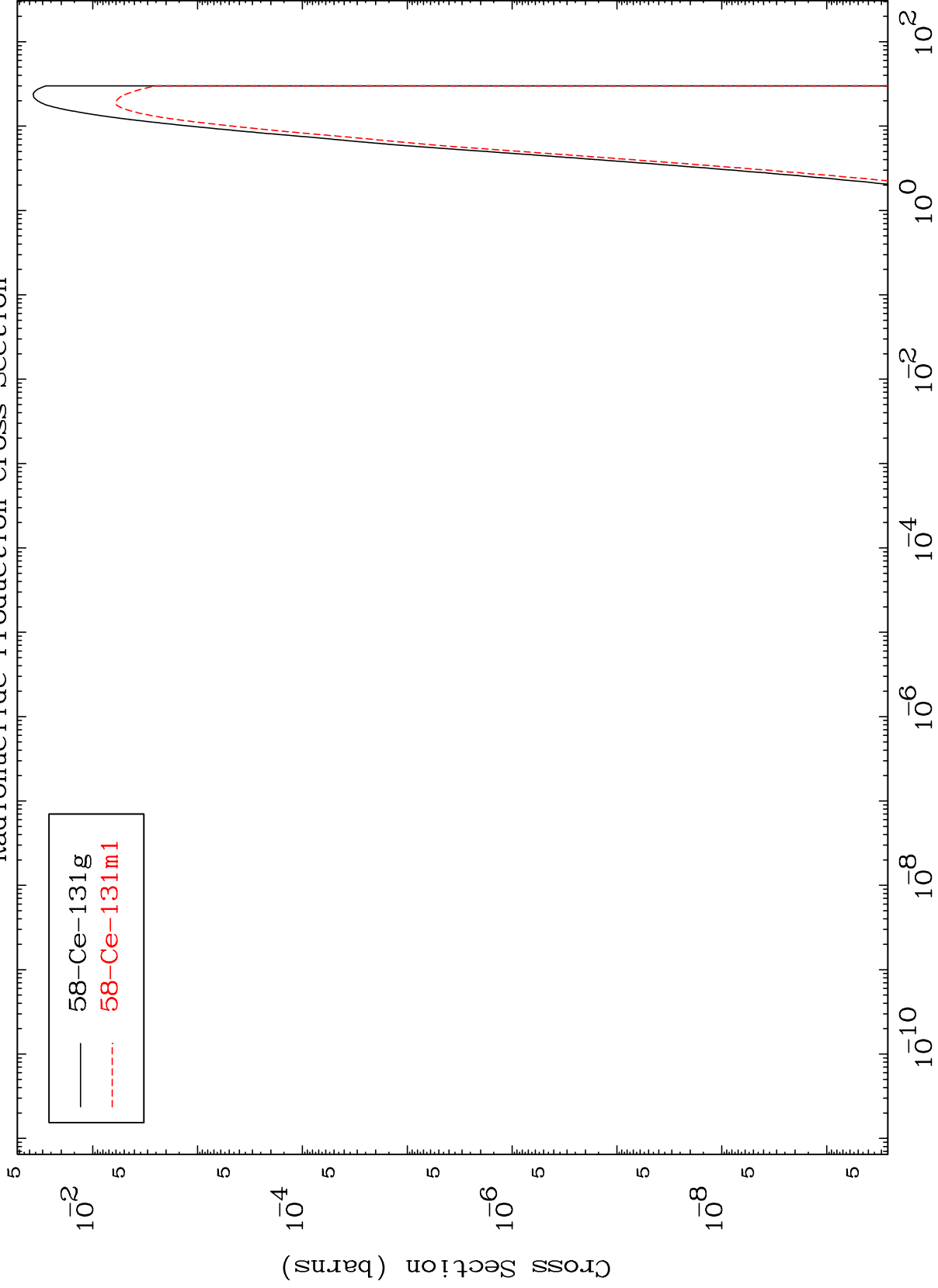
61-Pm-135

MAT 6113

(n,p) α

61-Pm-135

Radionuclide Production Cross Section



40

Incident Energy (MeV)

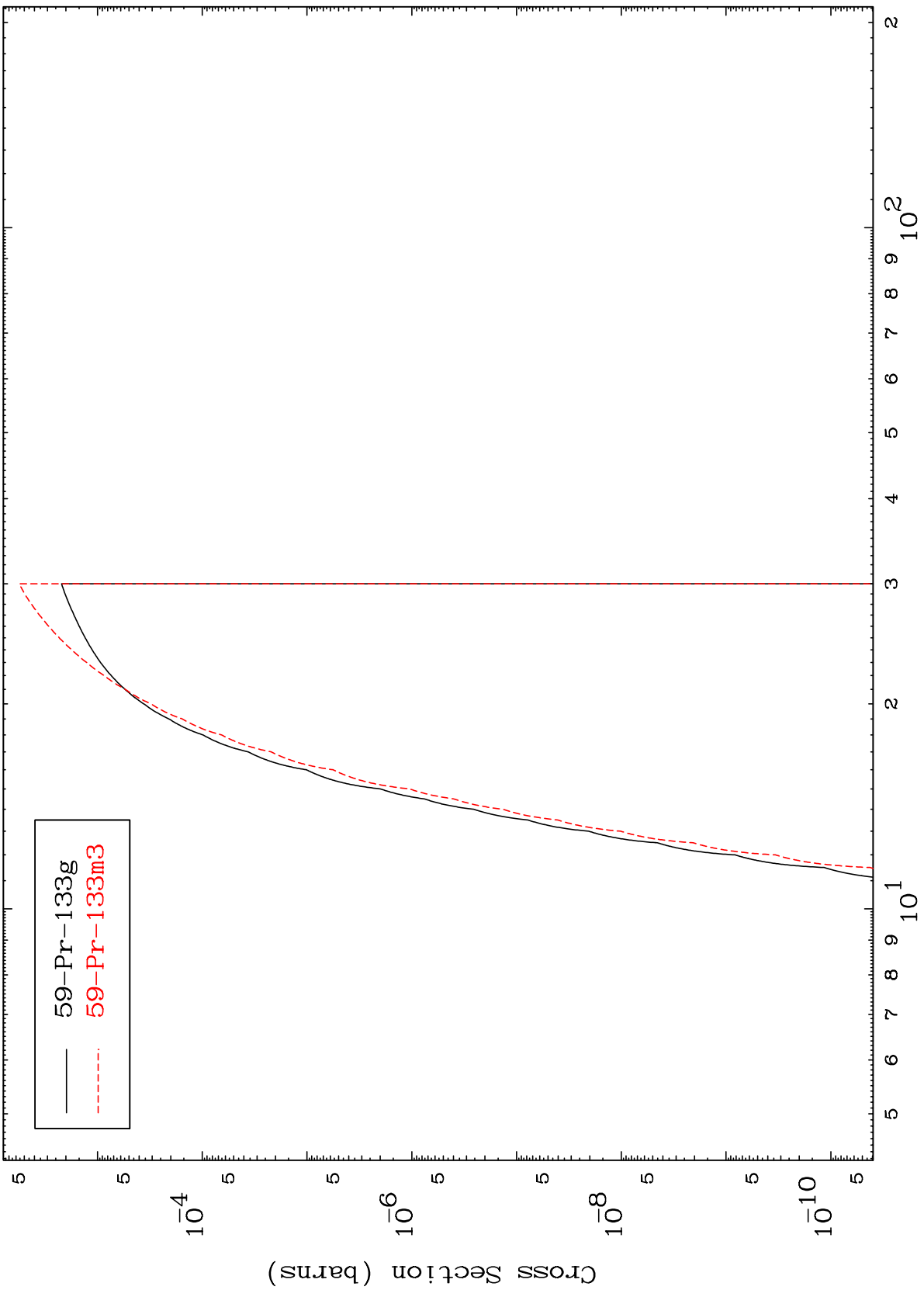
61-Pm-135

MAT 6113

(n,p) d

61-Pm-135

Radionuclide Production Cross Section



41

Incident Energy (MeV)

61-Pm-135