

Program EVALPLOT
(Version 2021-1)

by

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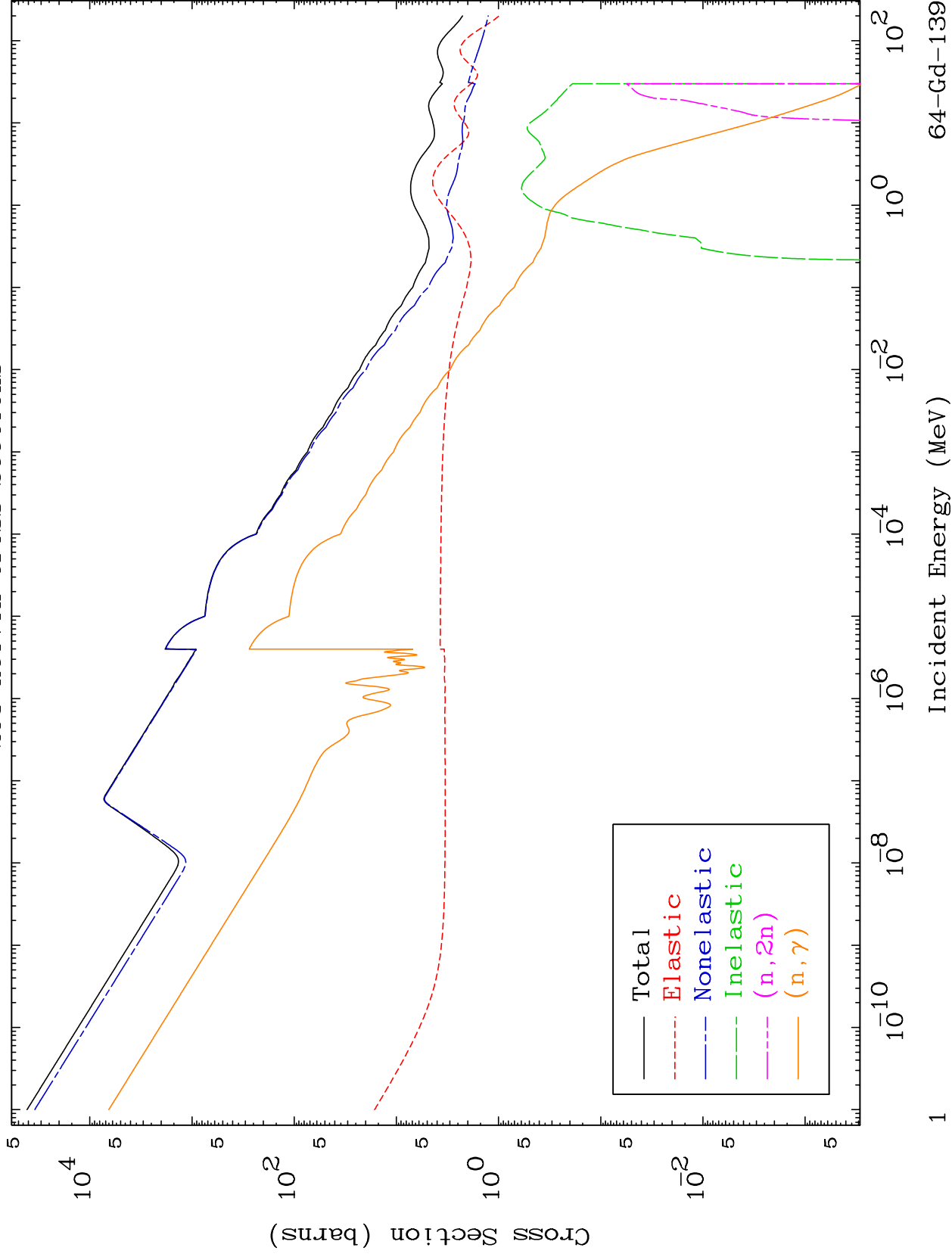
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Press Mouse Button to Start

MAT 6386

Neutron Major
293 Kelvin Cross Sections

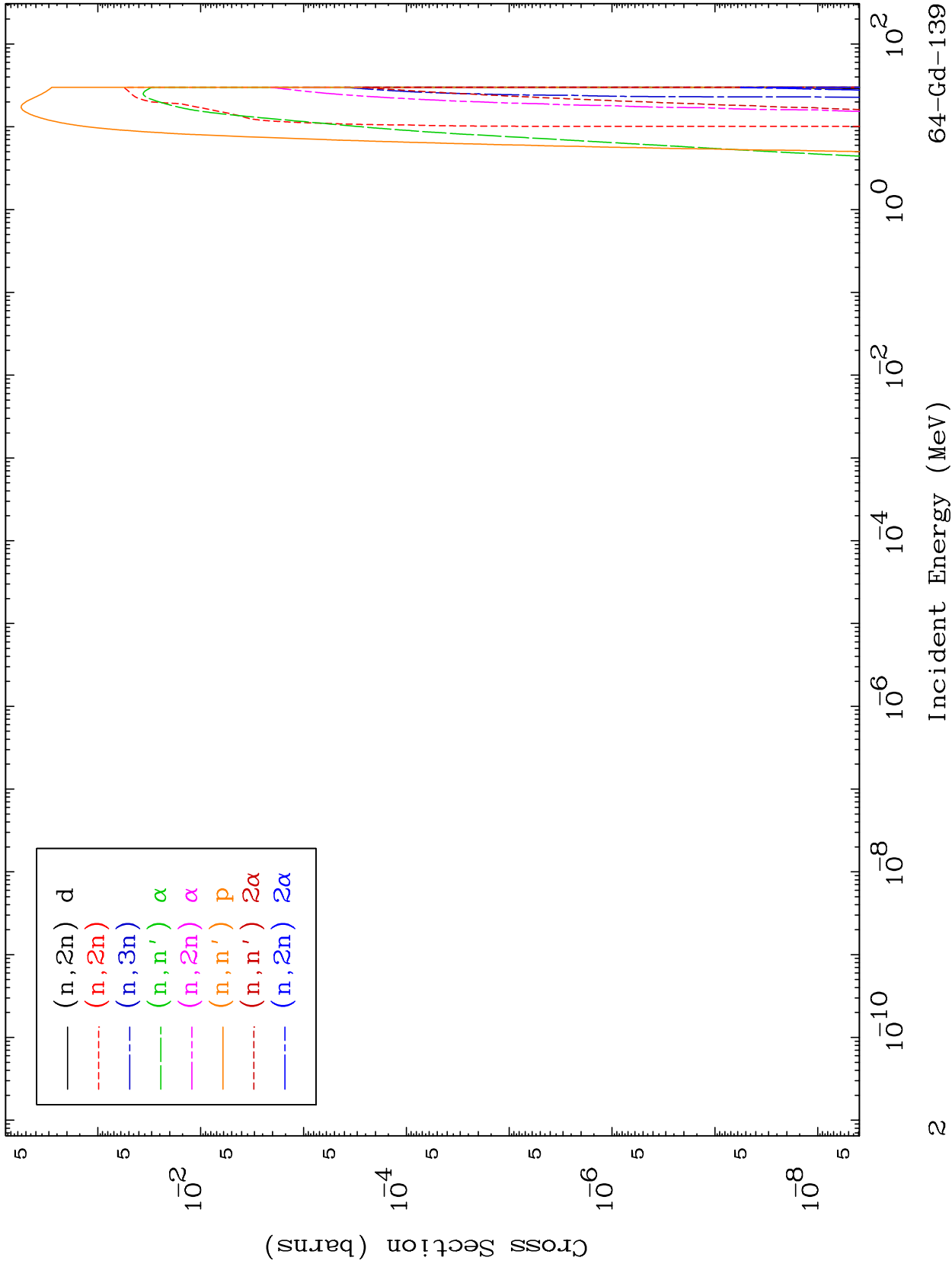
64-Gd-139

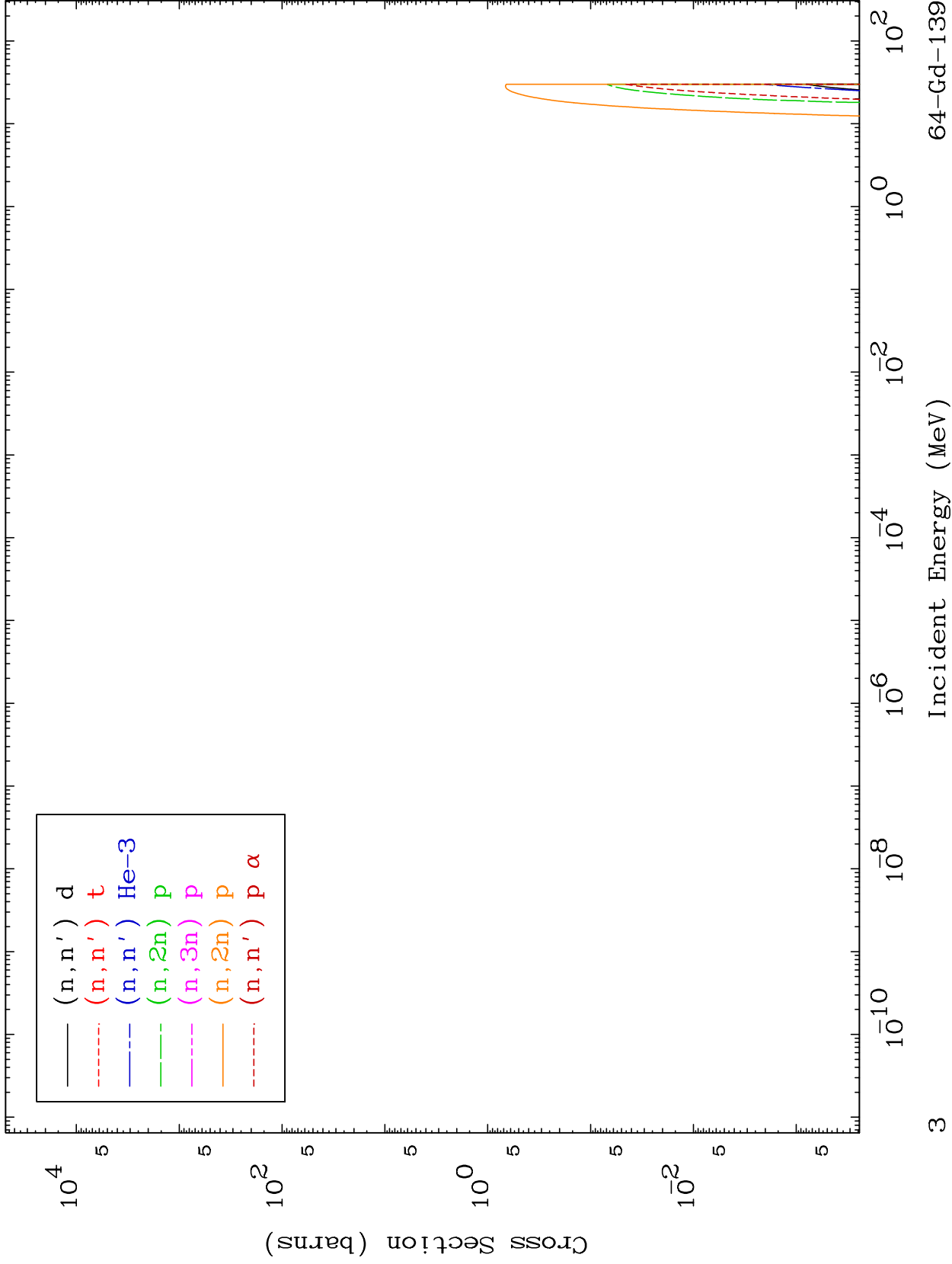


MAT 6386

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-139

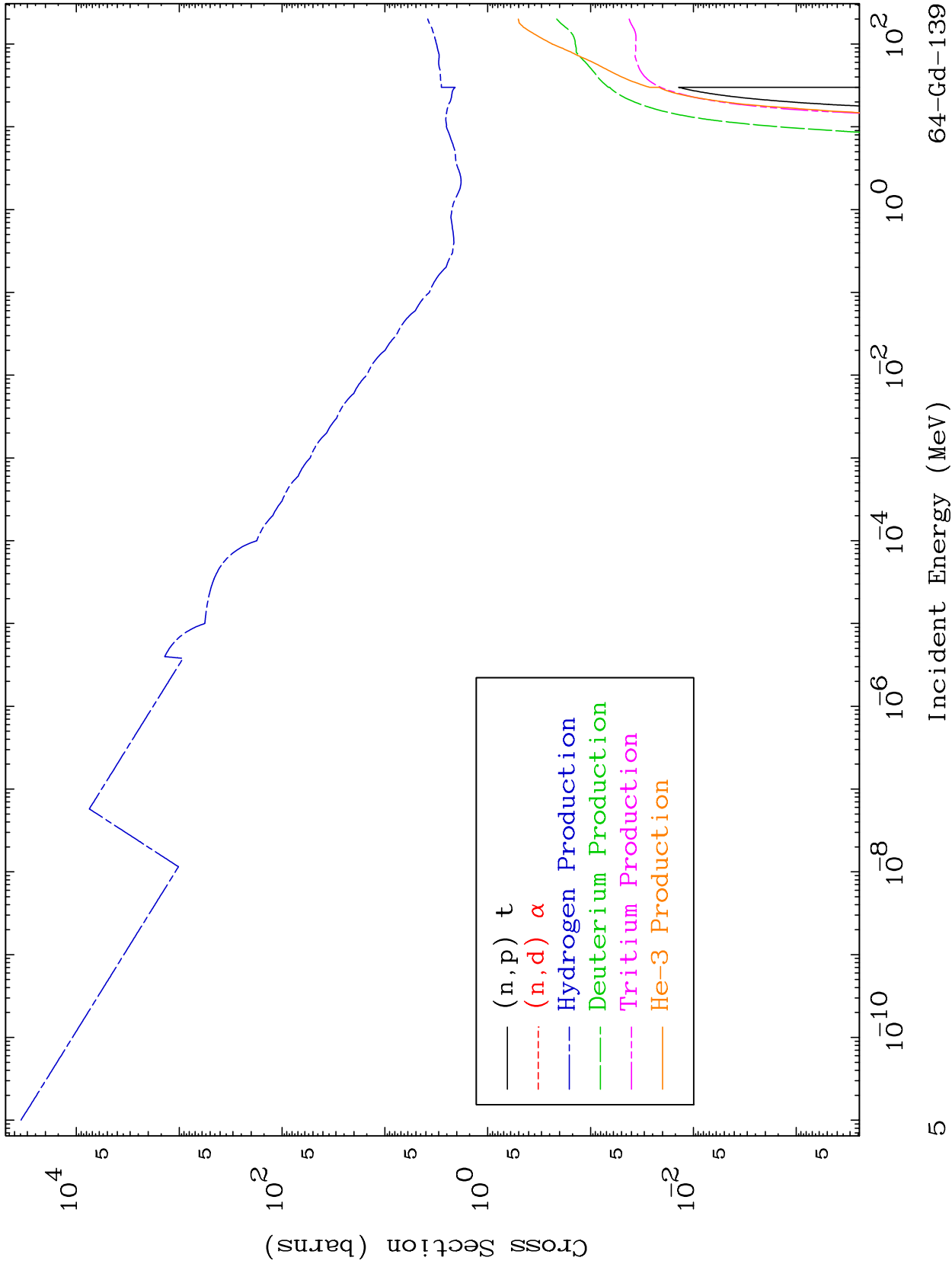




MAT 6386

Neutron Absorption
293 Kelvin Cross Sections

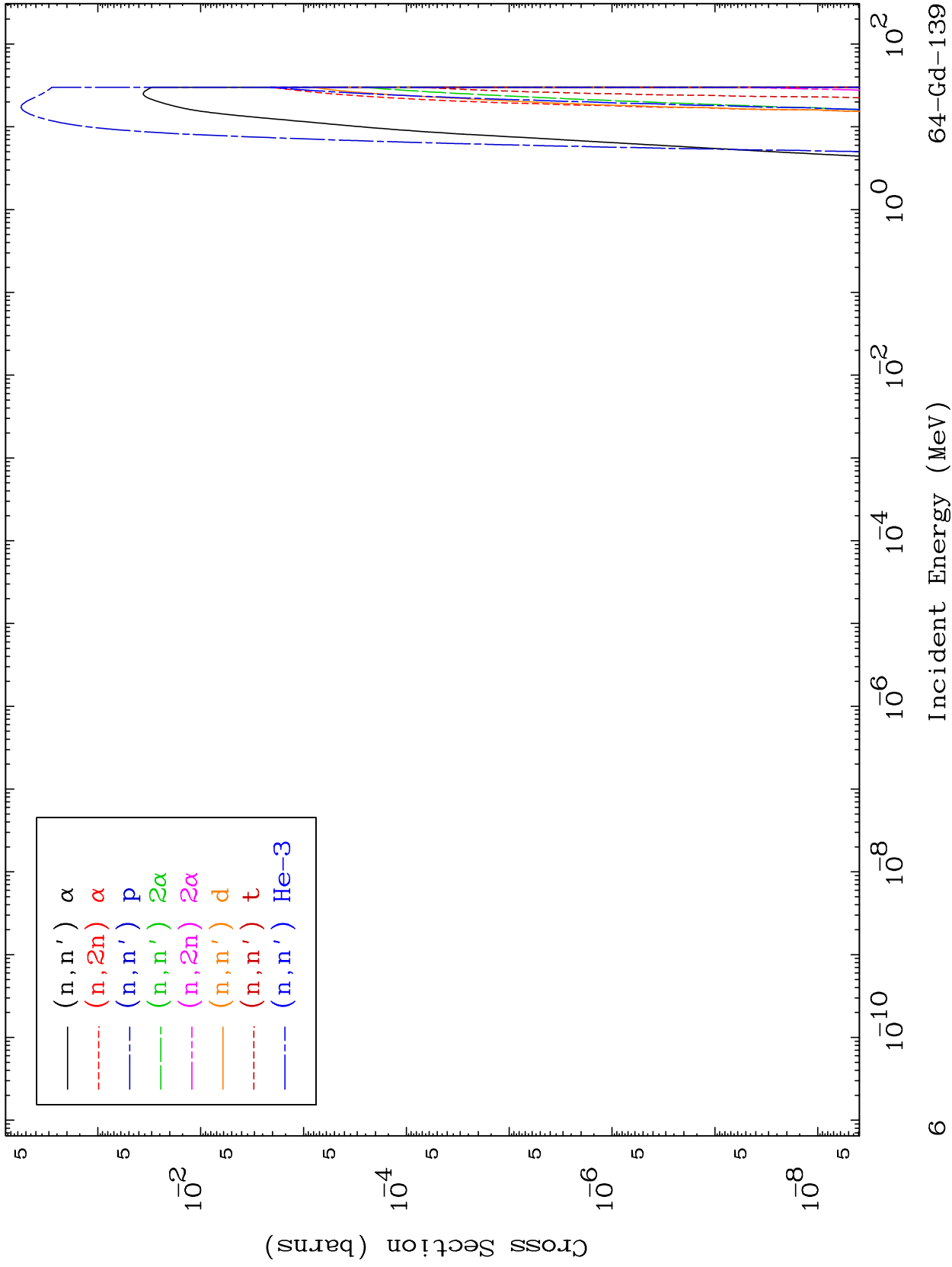
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MAT 6386

Charged Particle
293 Kelvin Cross Sections

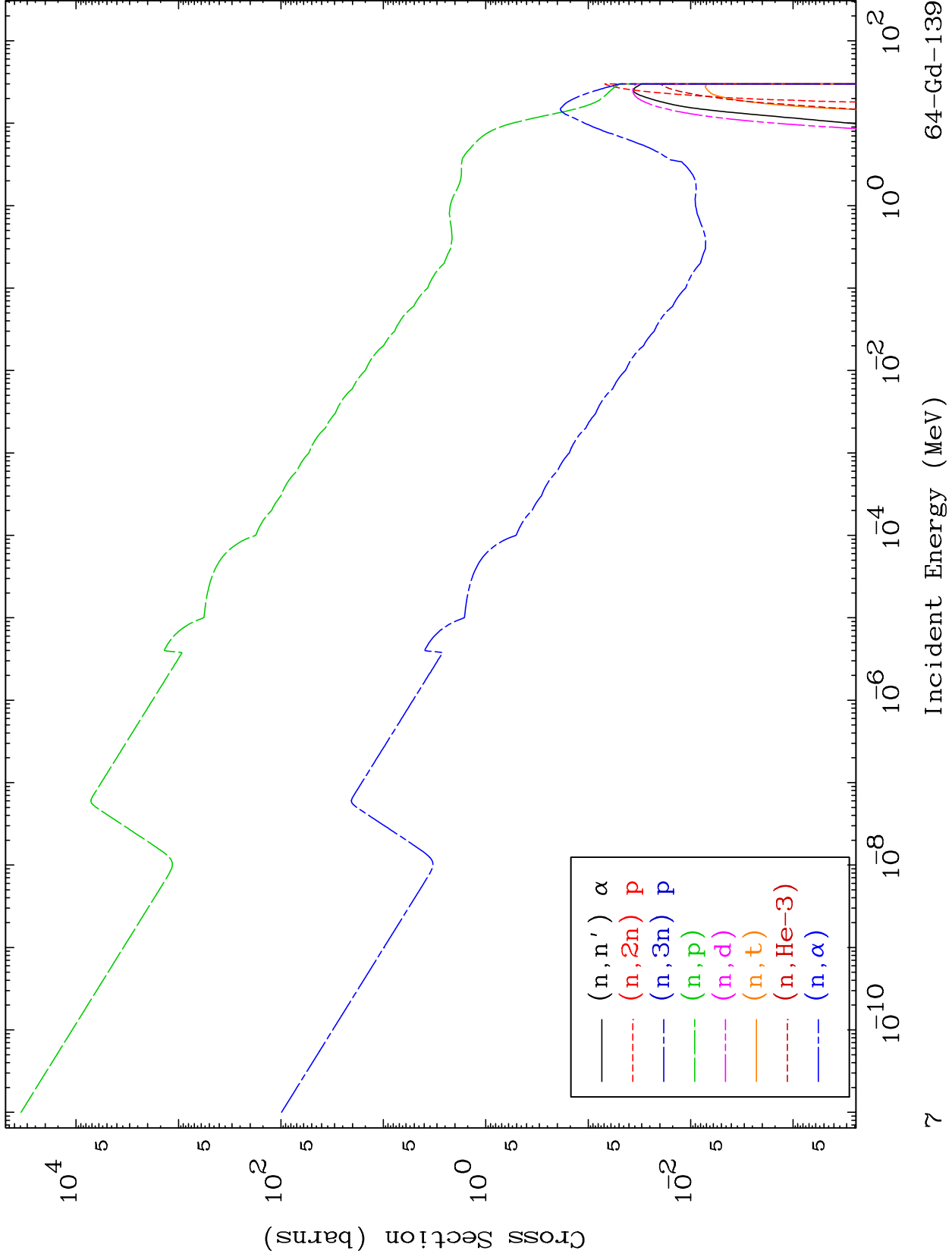
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MAT 6386

Charged Particle
293 Kelvin Cross Sections

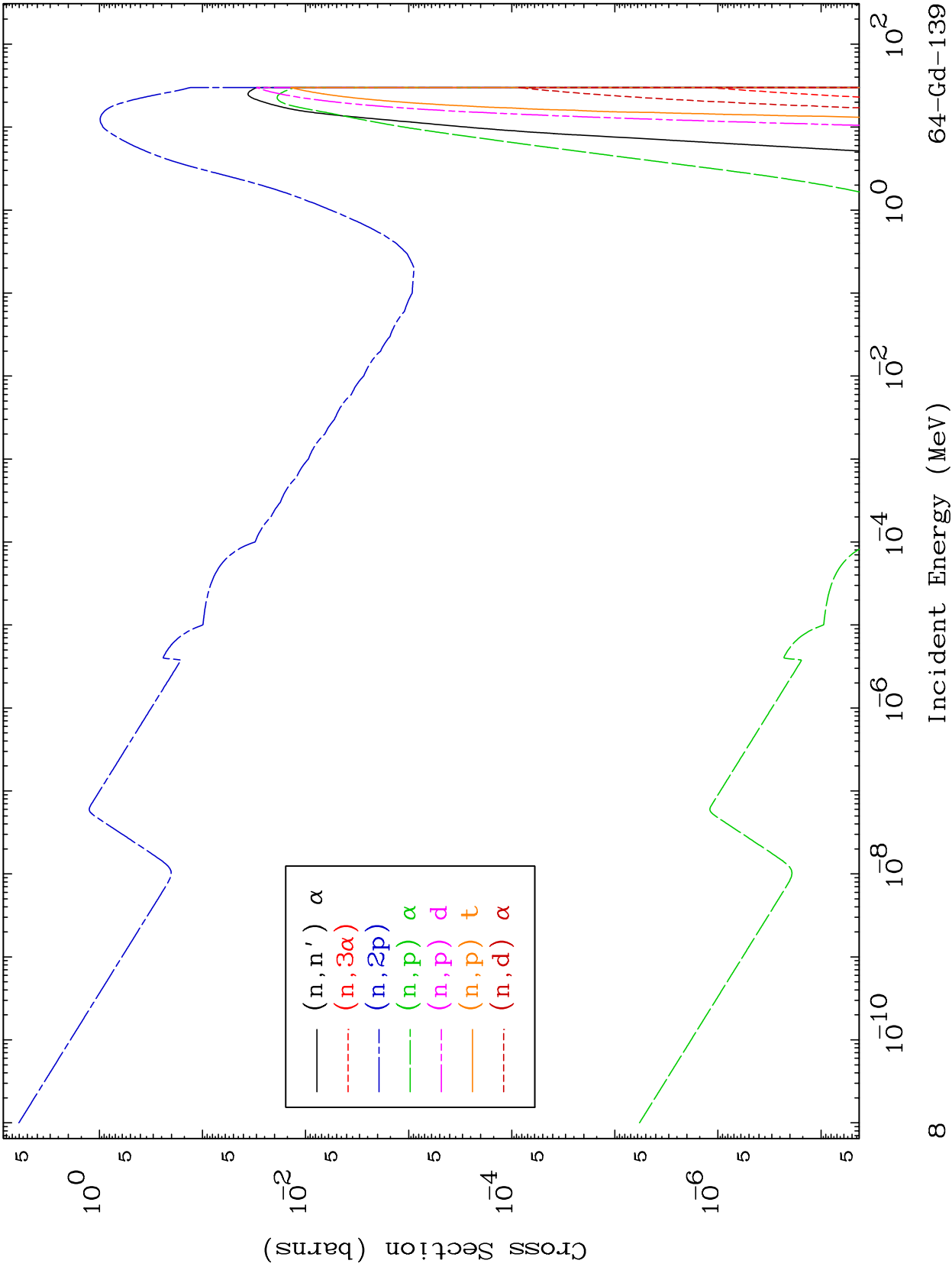
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MAT 6386

Charged Particle
293 Kelvin Cross Sections

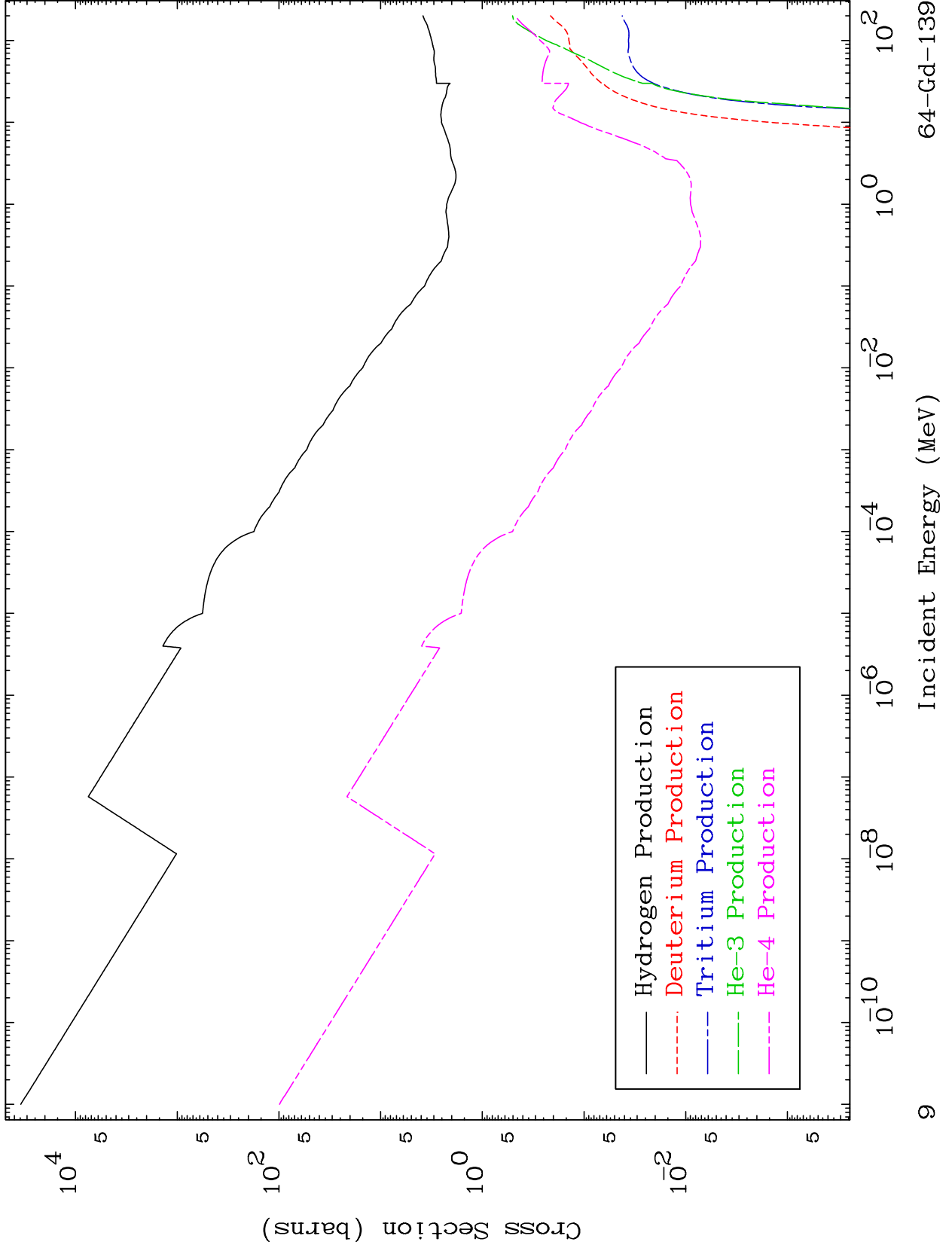
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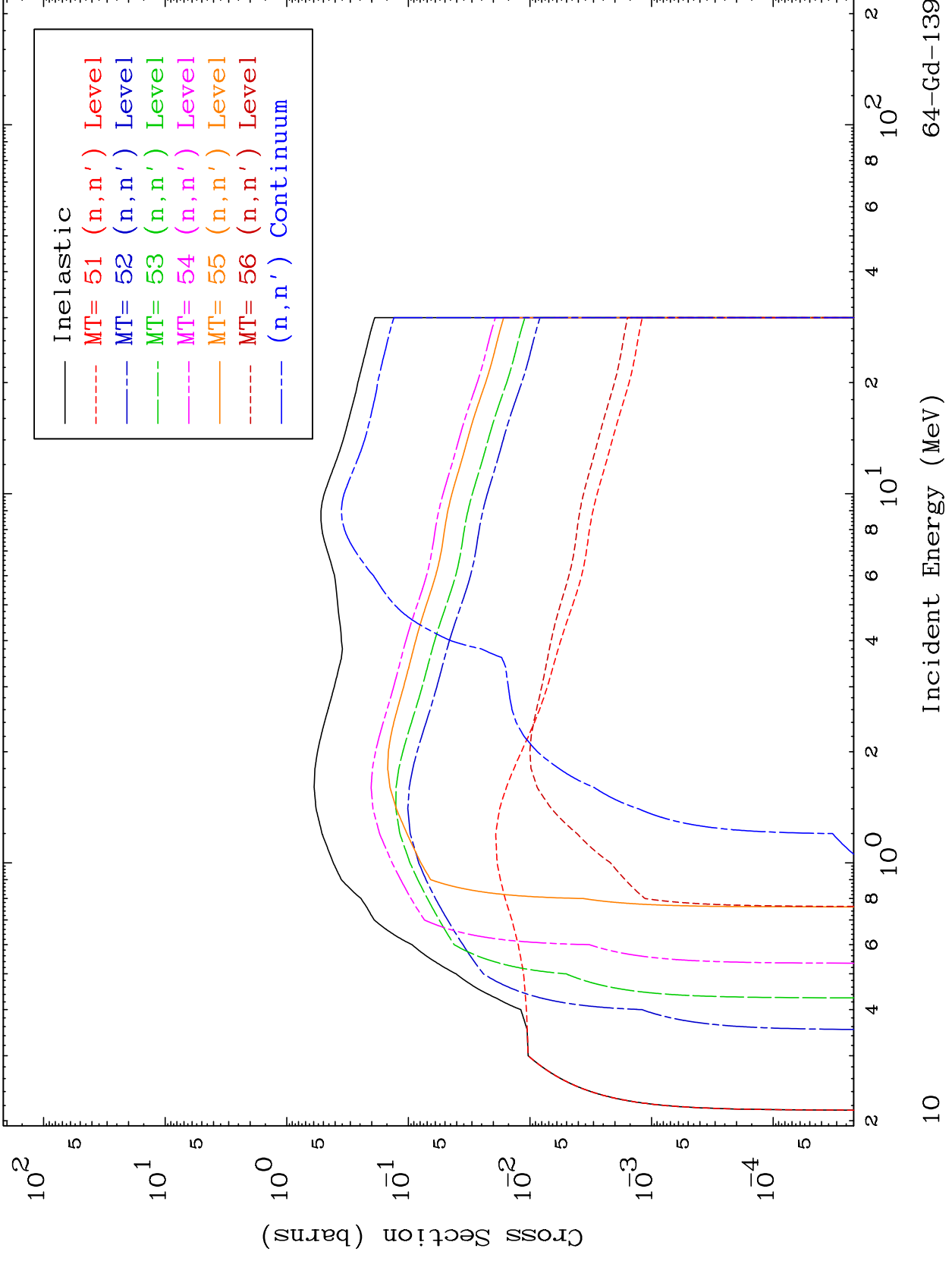


MAT 6386

Particle Production
293 Kelvin Cross Sections

64-Gd-139

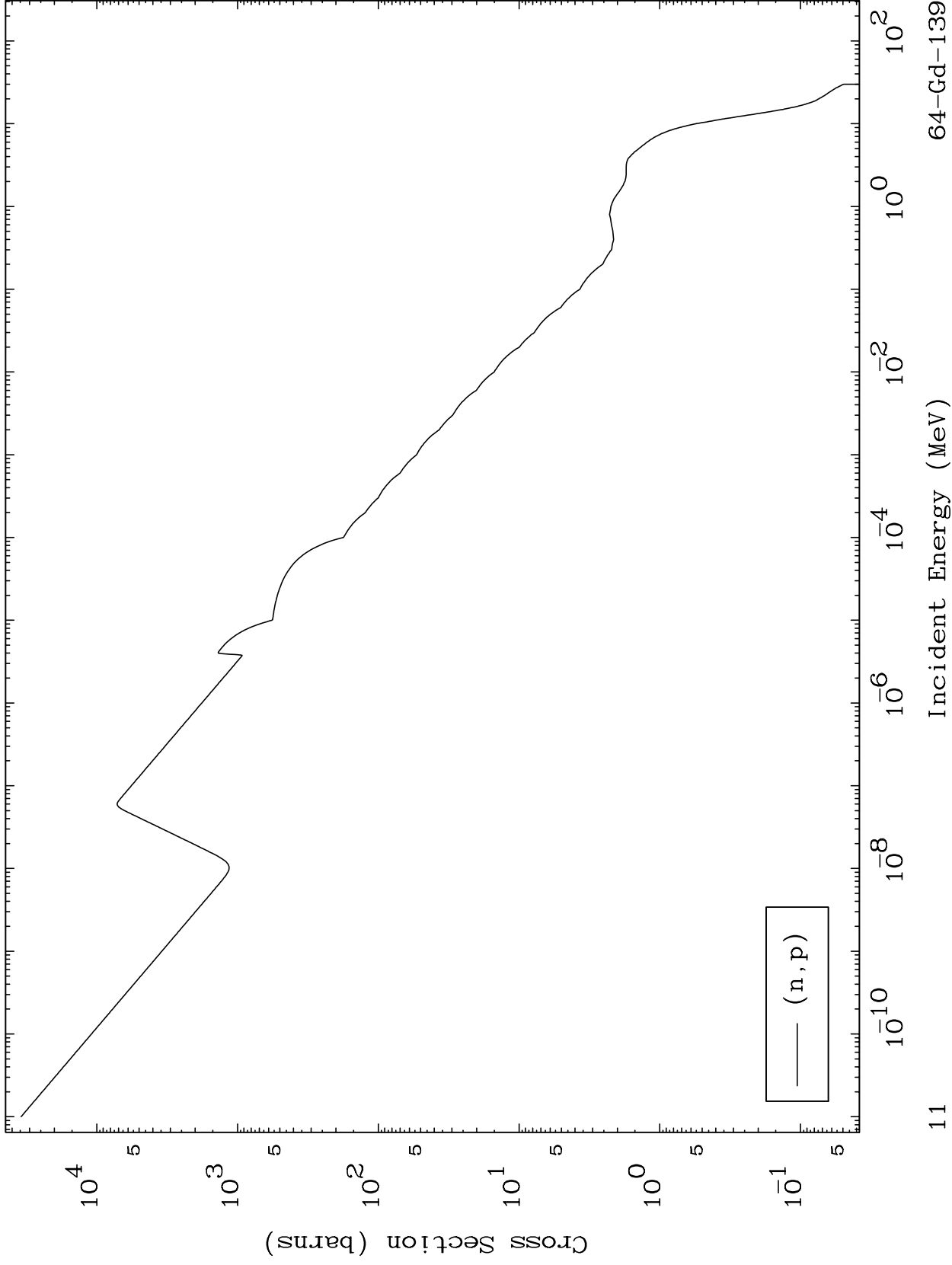




MAT 6386

(n,p) Levels
293 Kelvin Cross Sections

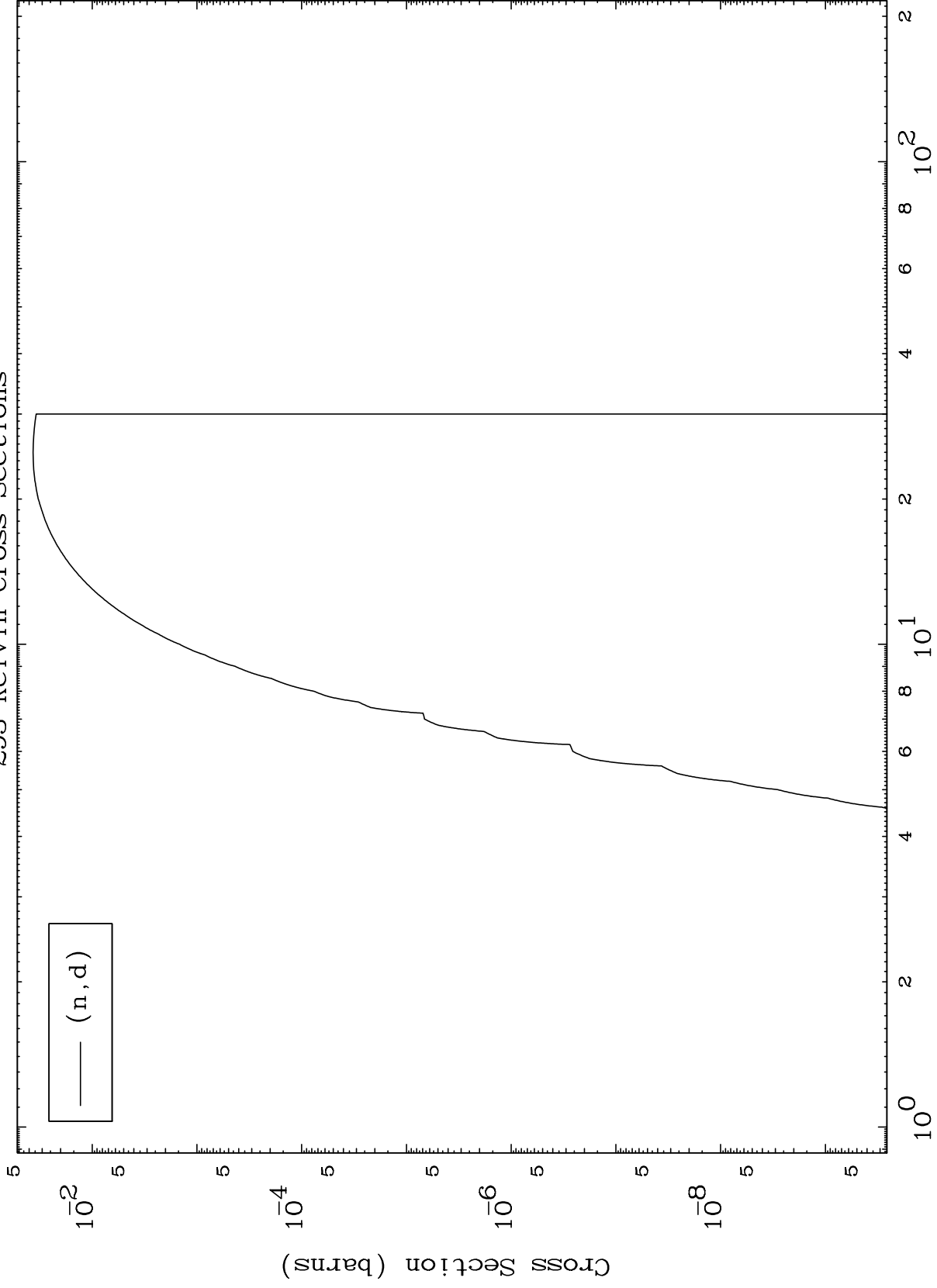
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MAT 6386

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-139



12

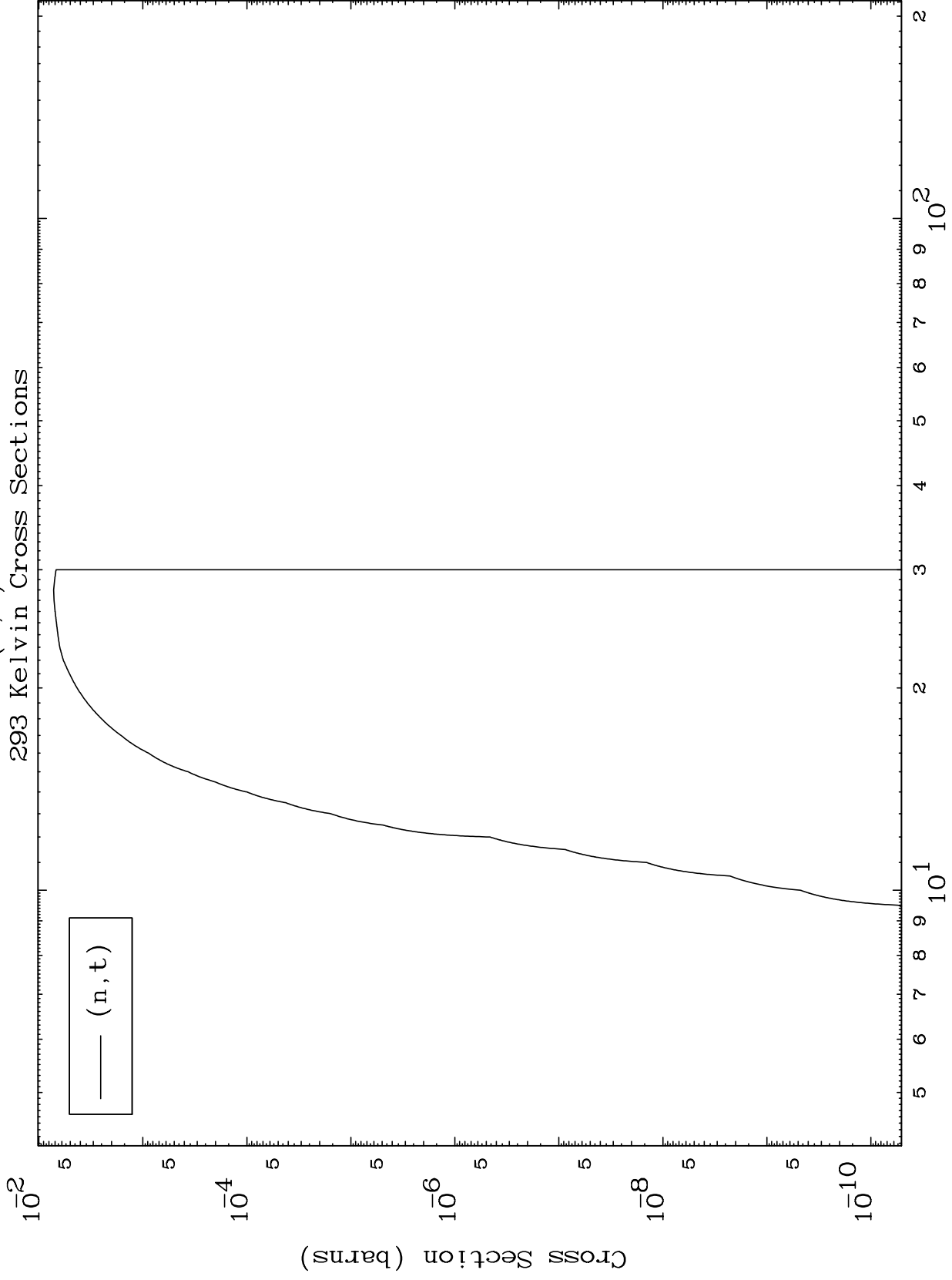
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-139



13

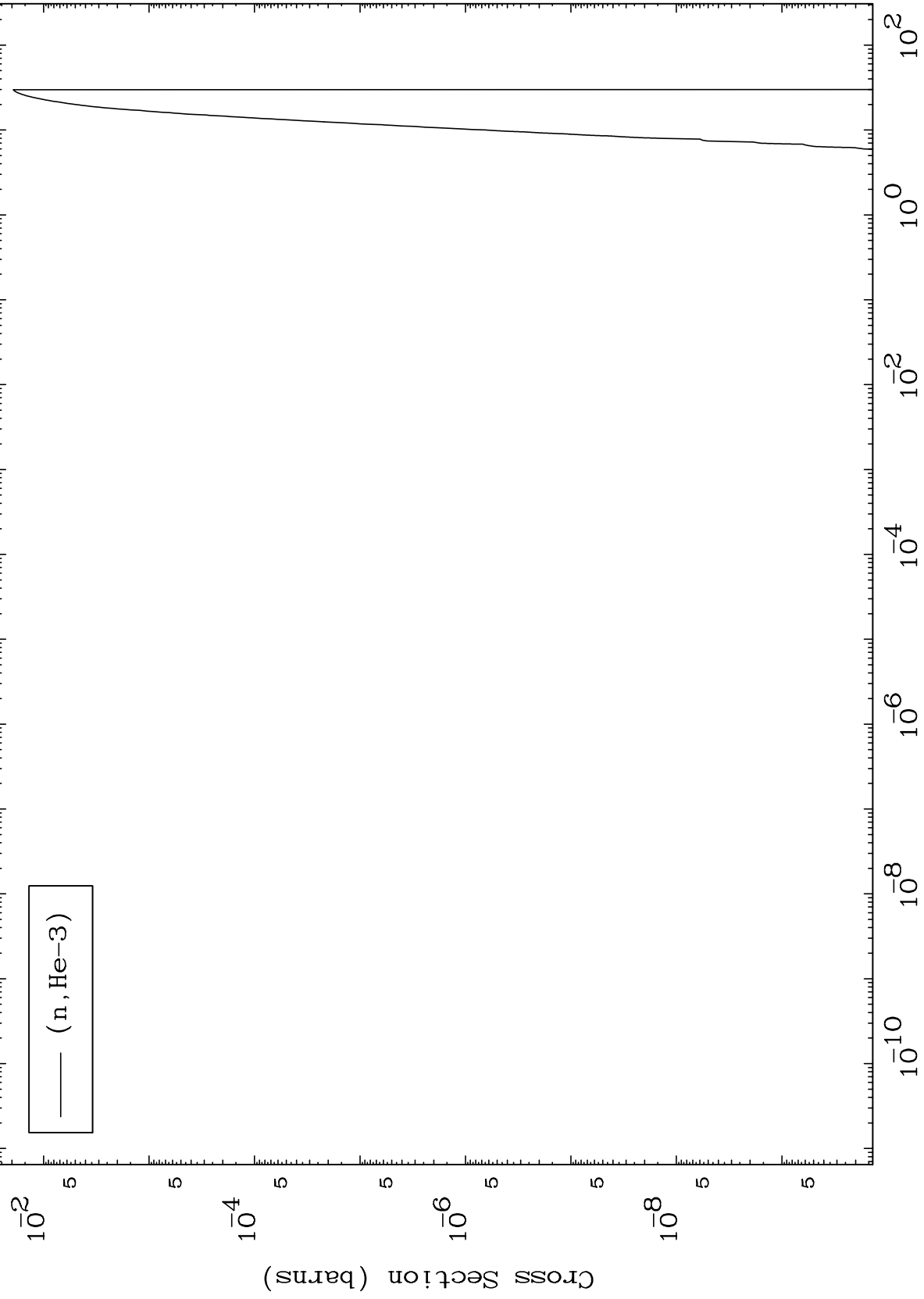
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,He3) Levels
293 Kelvin Cross Sections

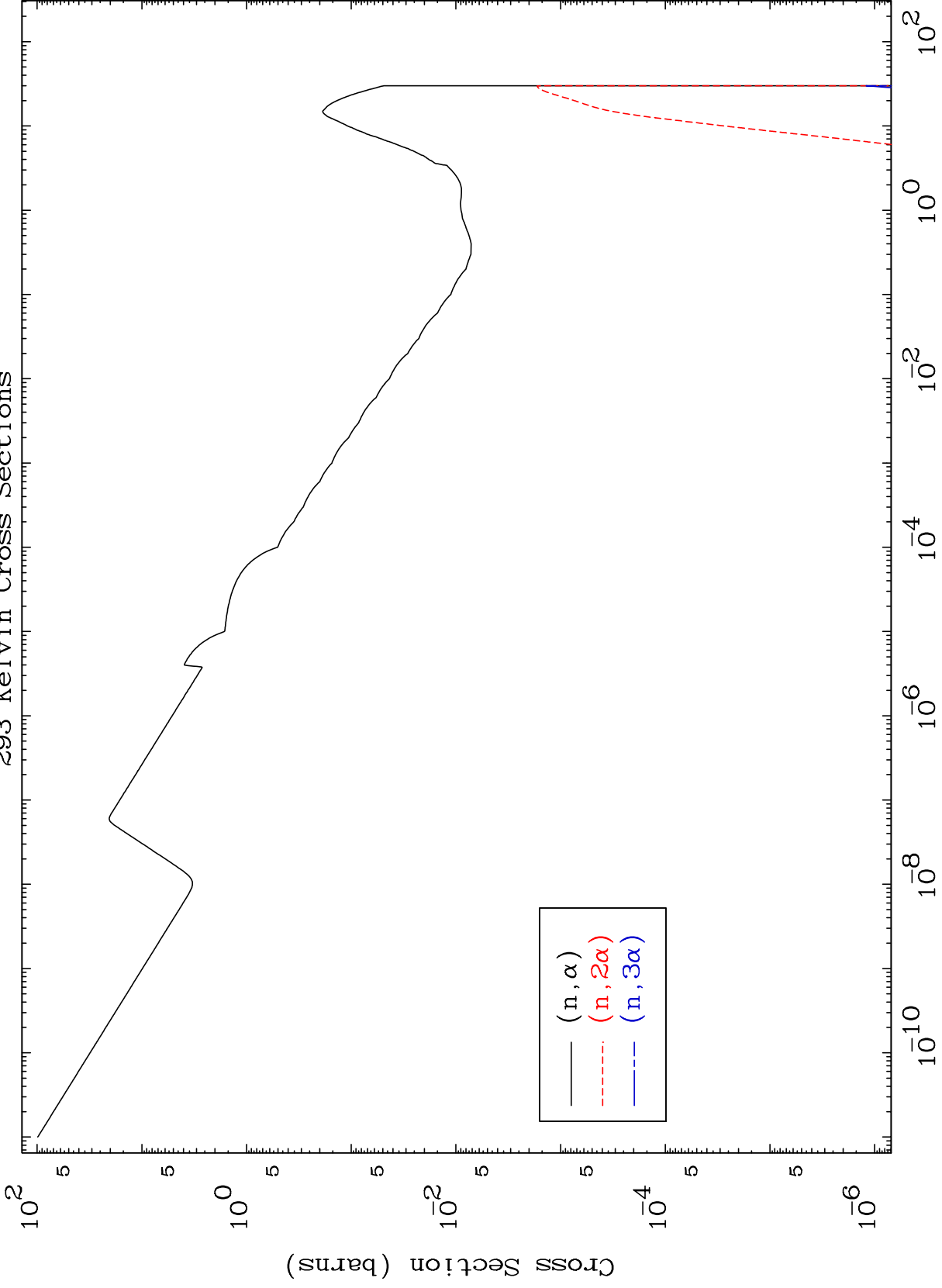
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MAT 6386

(n, α) Levels
293 Kelvin Cross Sections

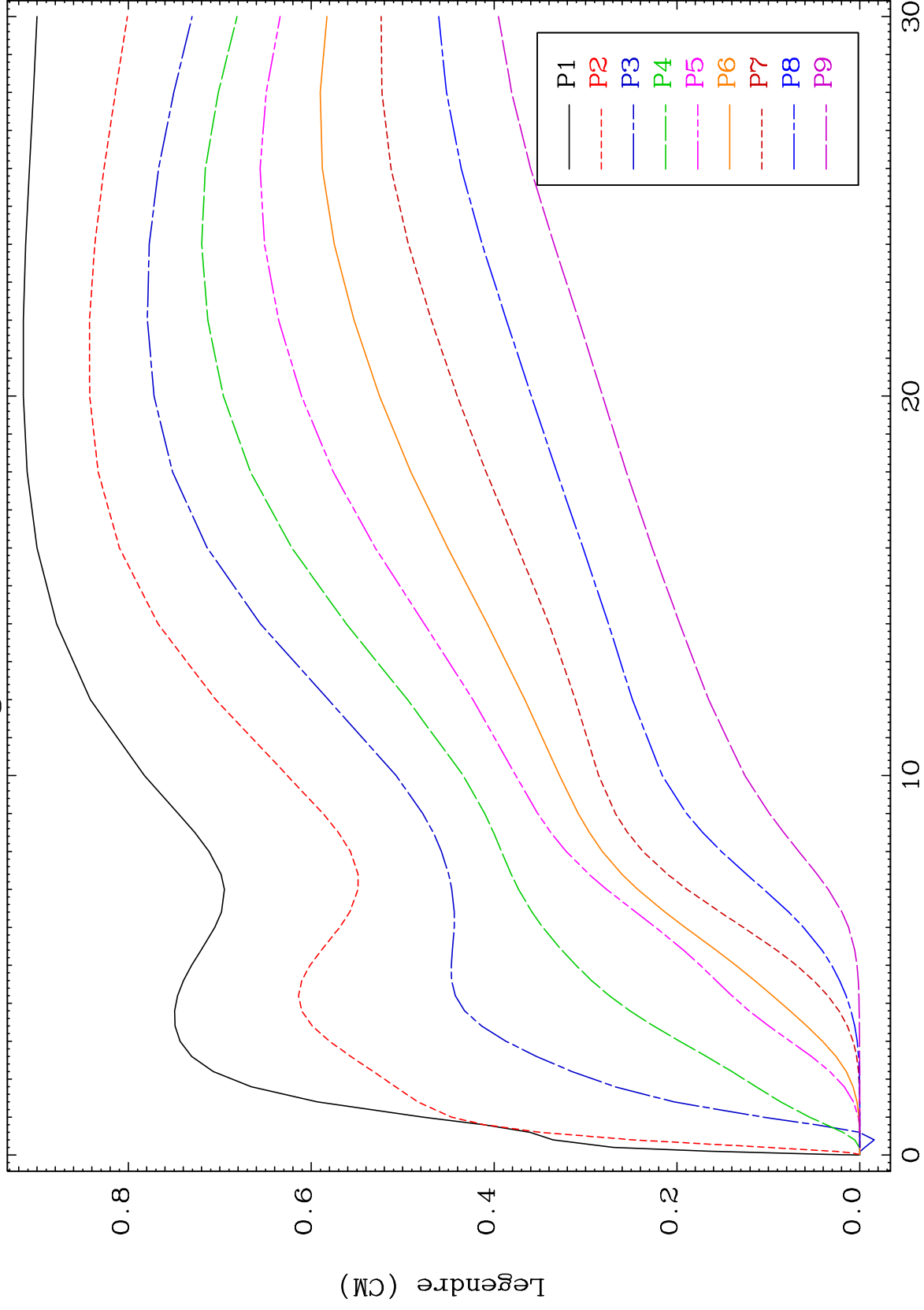
64-Gd-139



MAT 6386

Elastic Legendre Coefficients

64-Gd-139



16

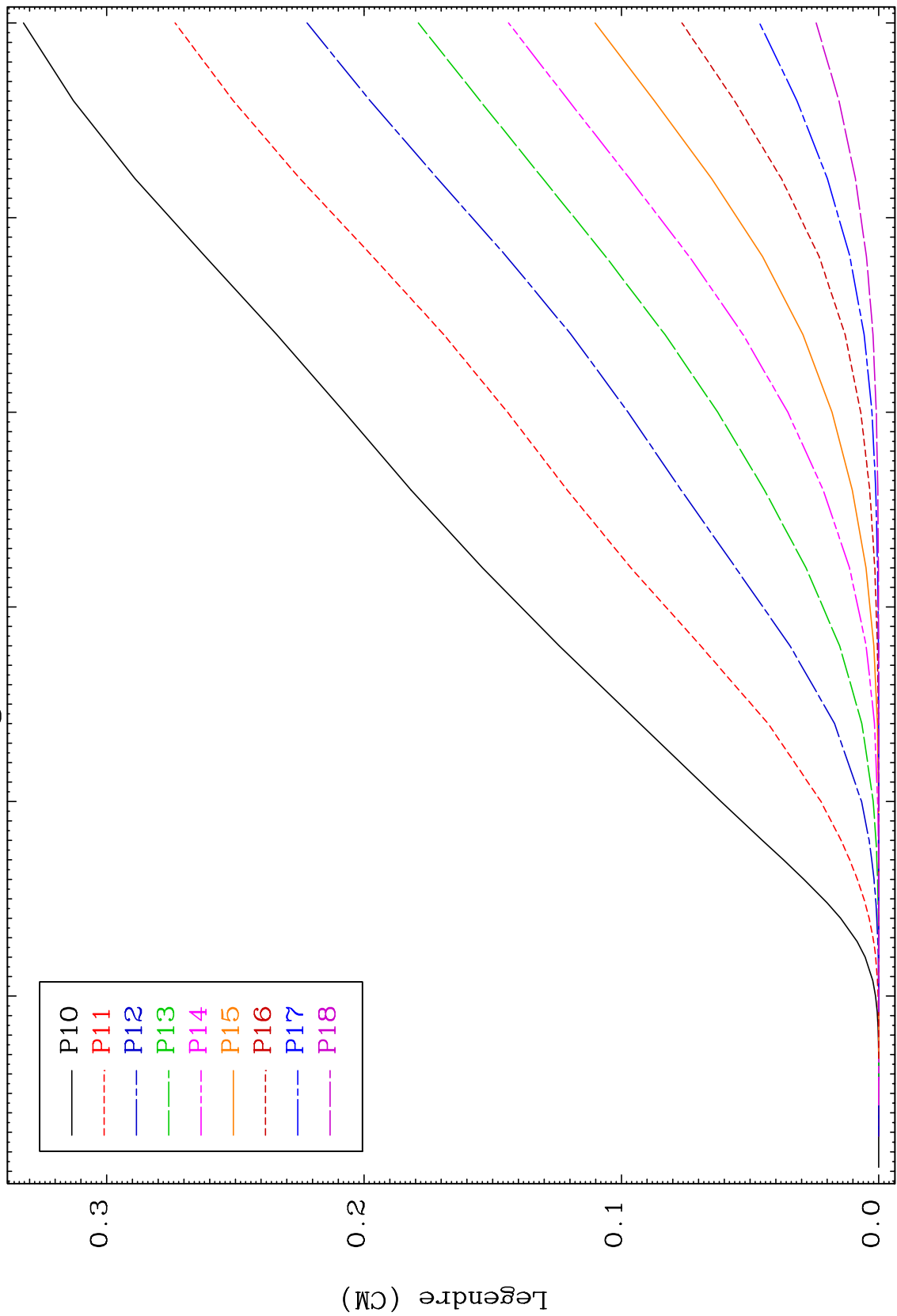
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



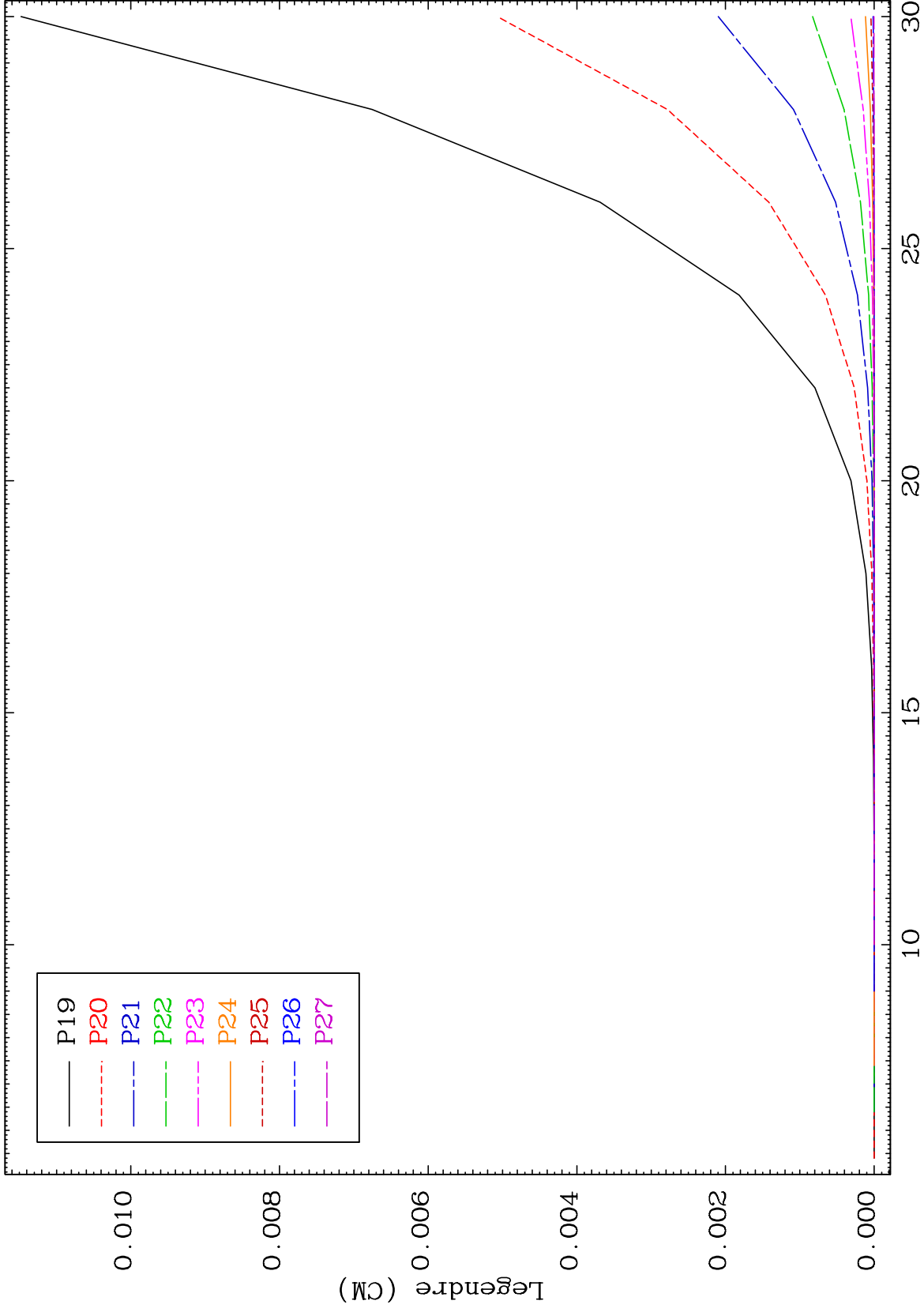
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64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



18

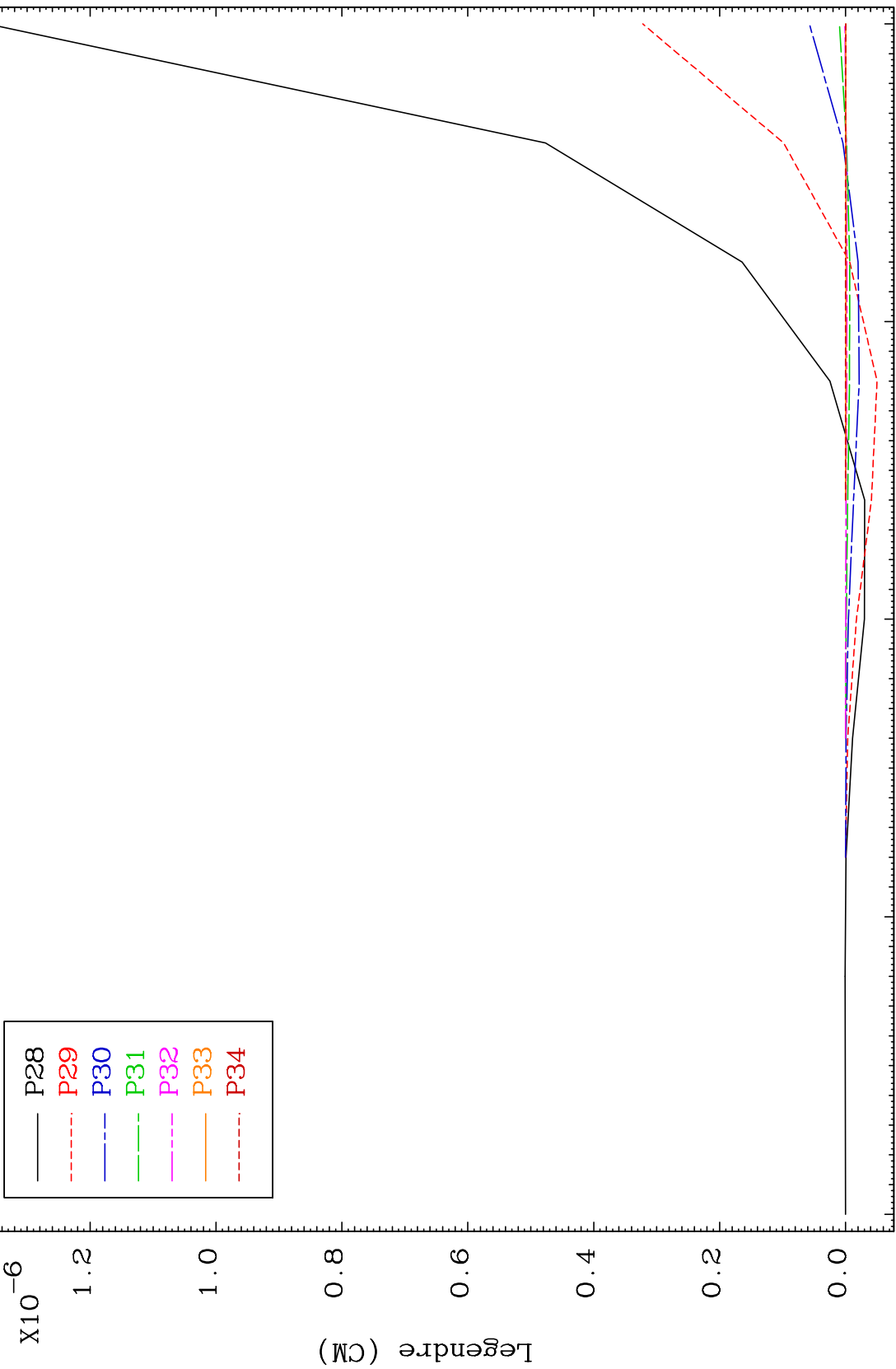
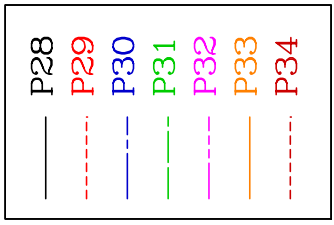
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



19

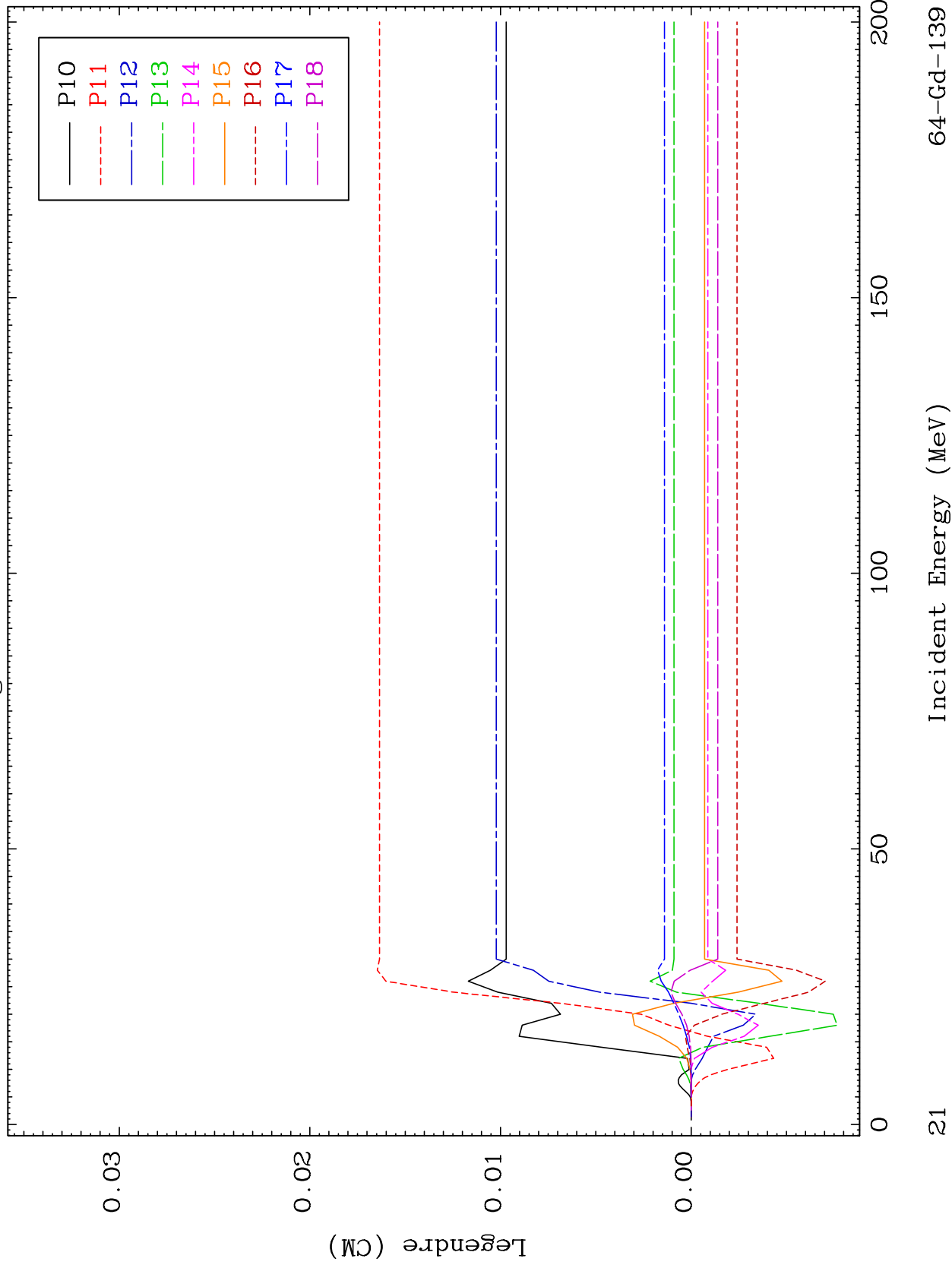
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

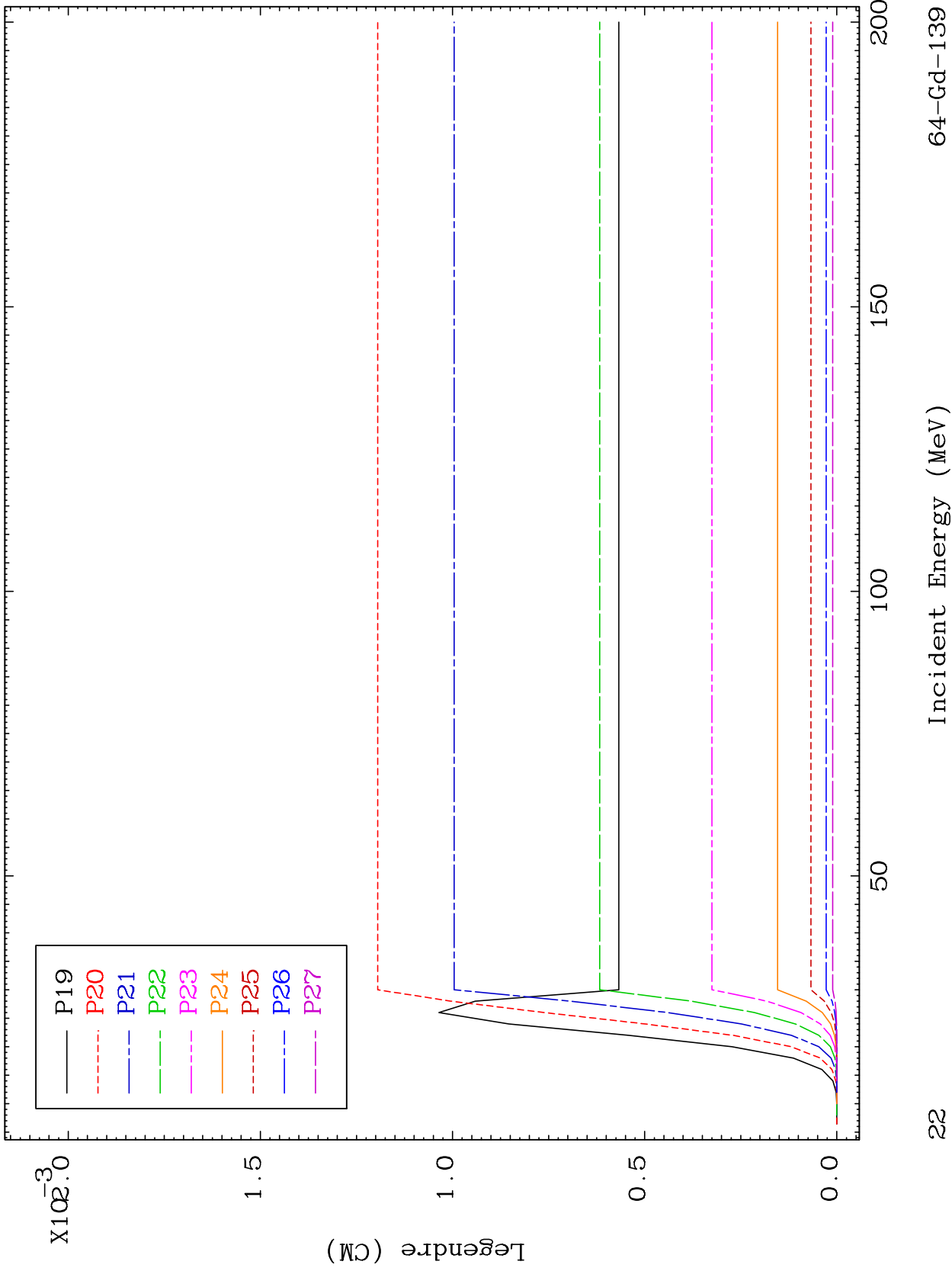
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64-Gd-139

Incident Energy (MeV)

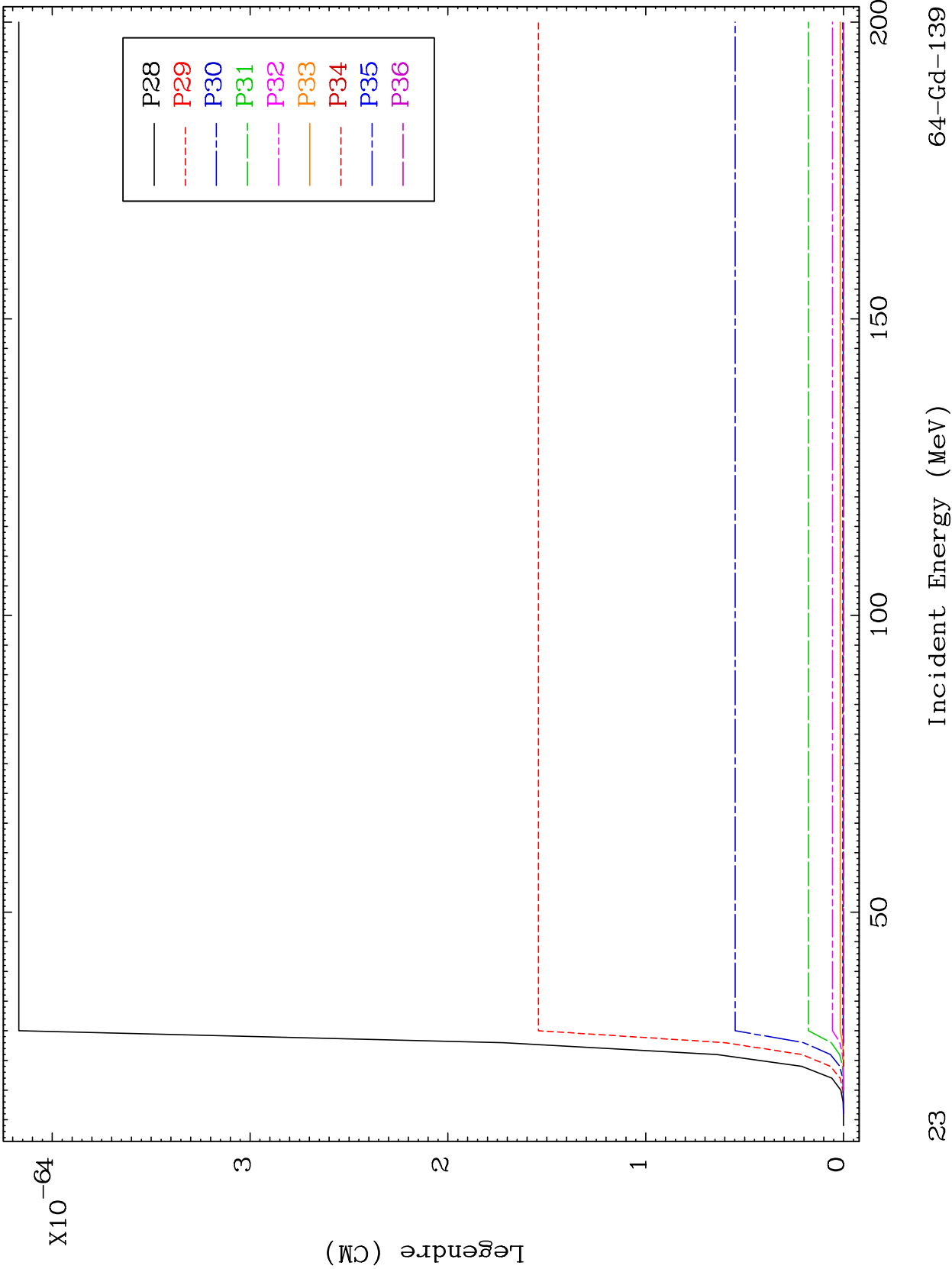
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MAT 6386

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

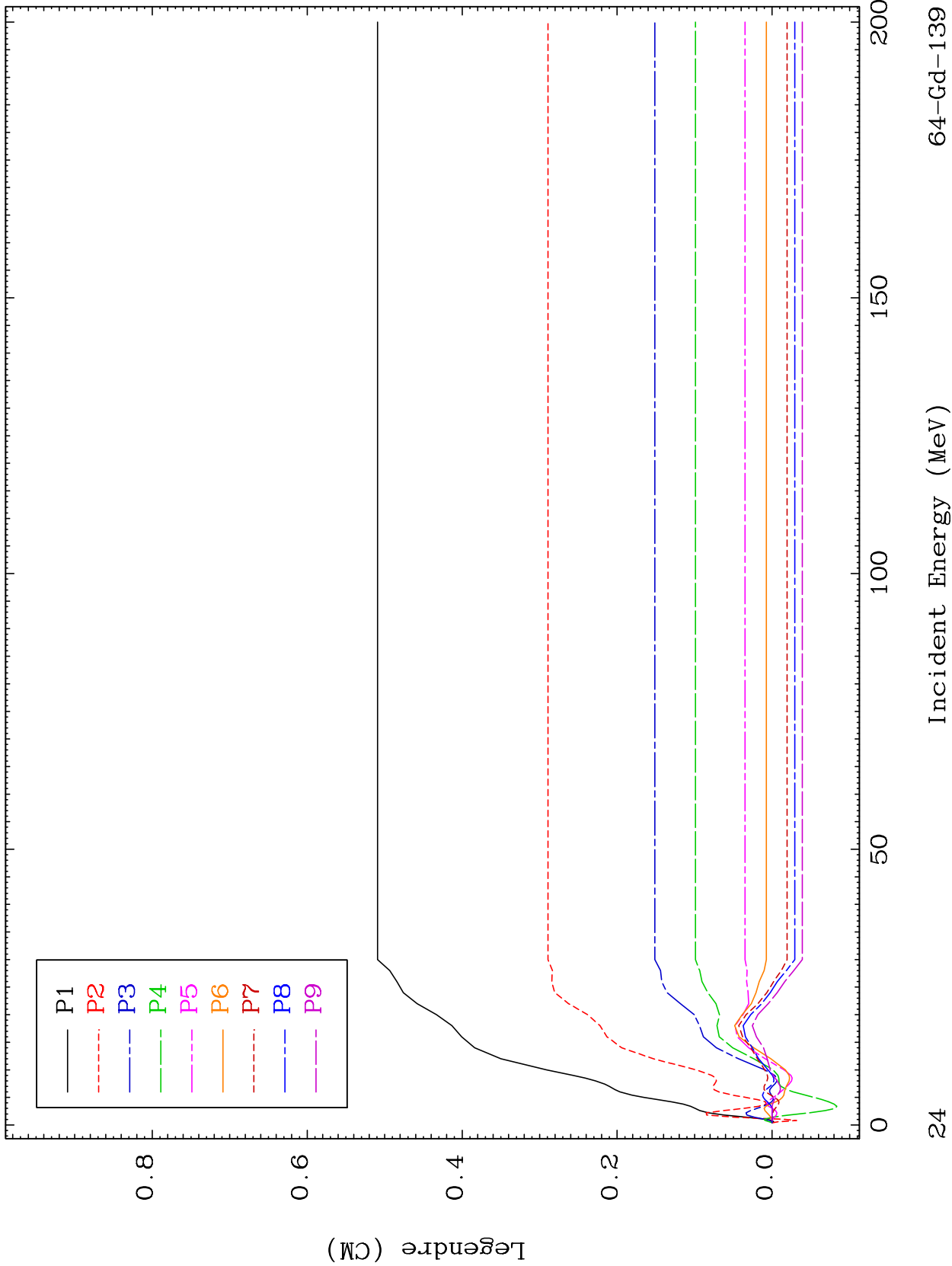
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MAT 6386

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

64-Gd-139



24

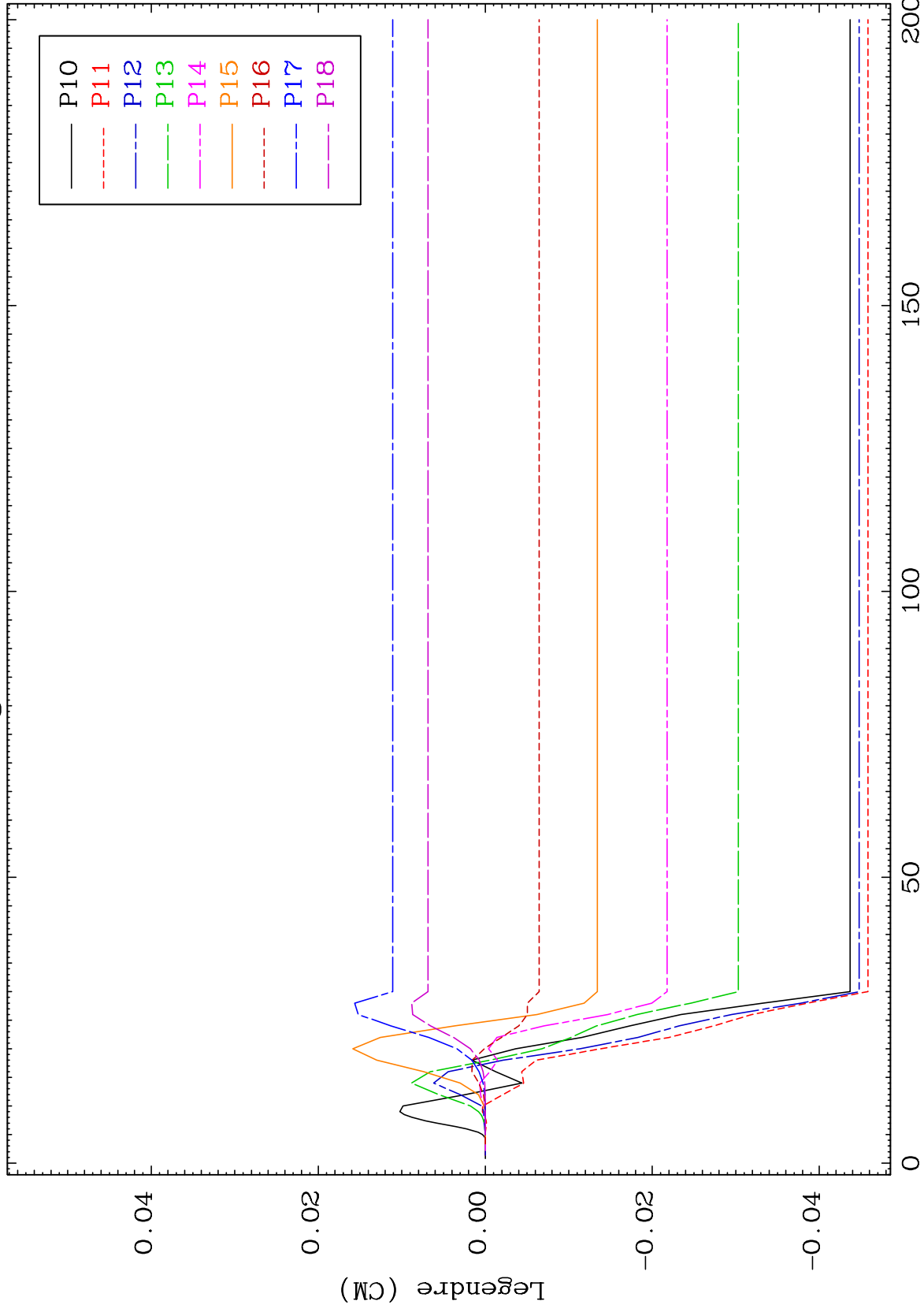
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

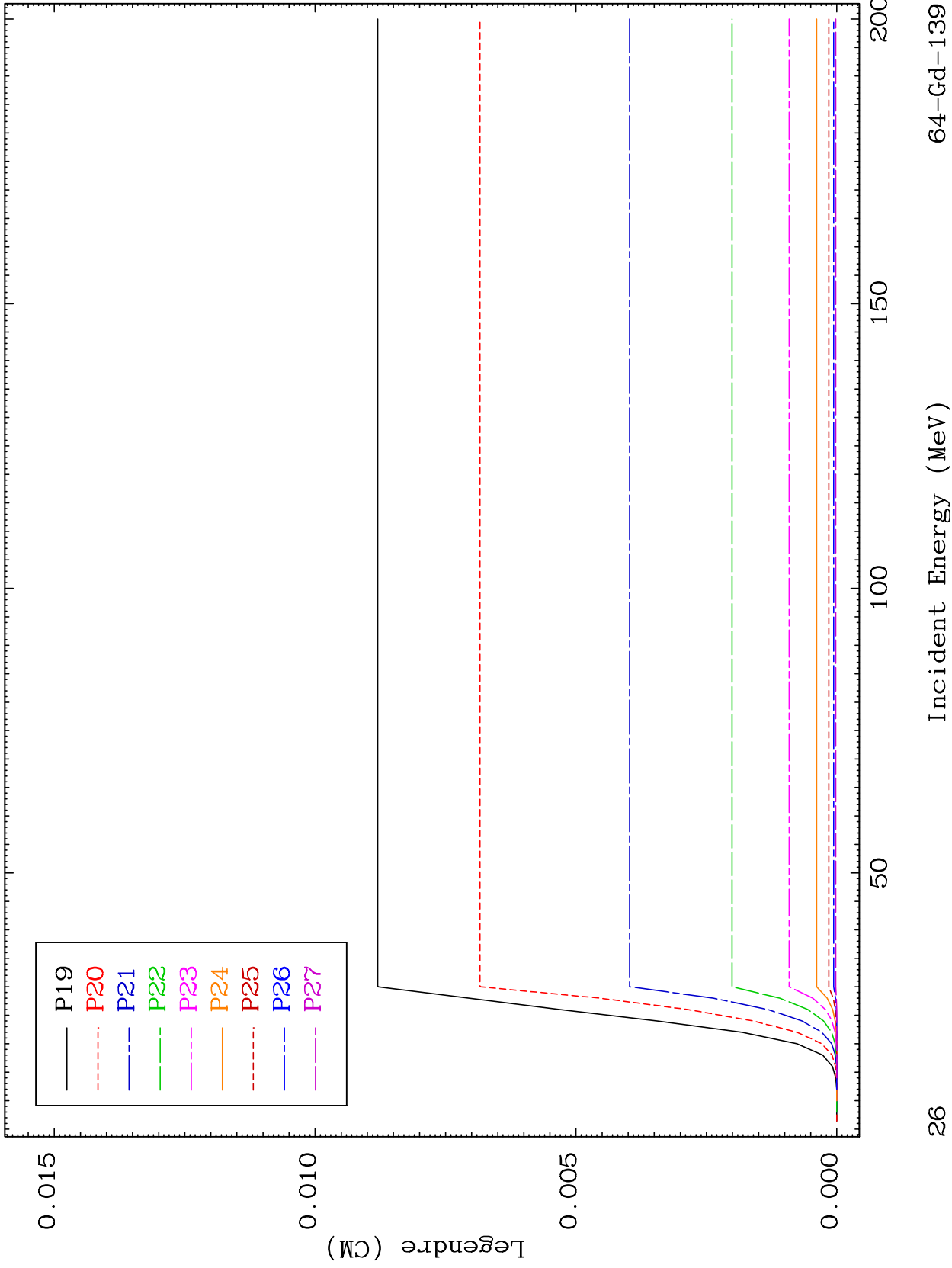
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25

Incident Energy (MeV)

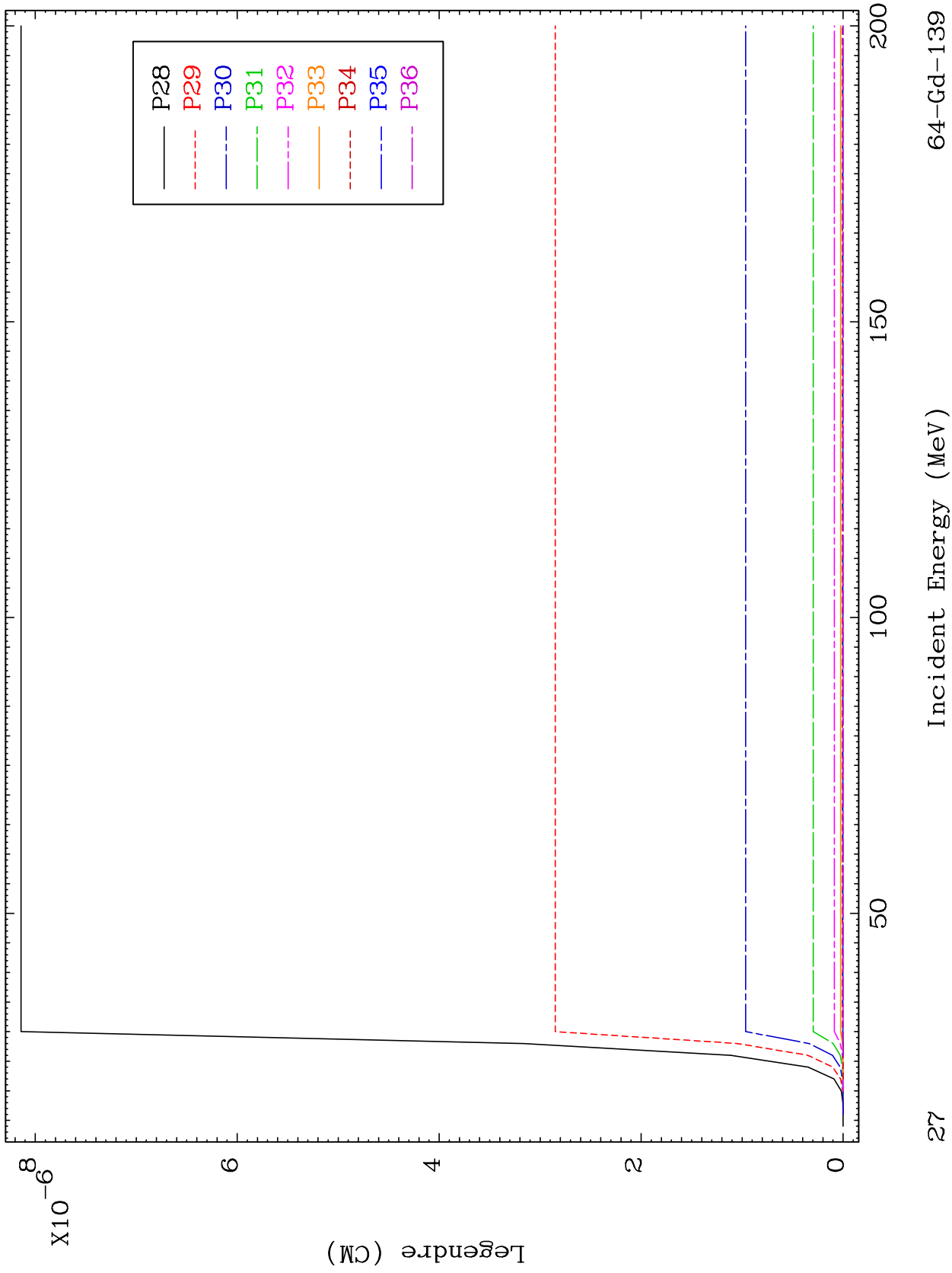
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MAT 6386

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

64-Gd-139



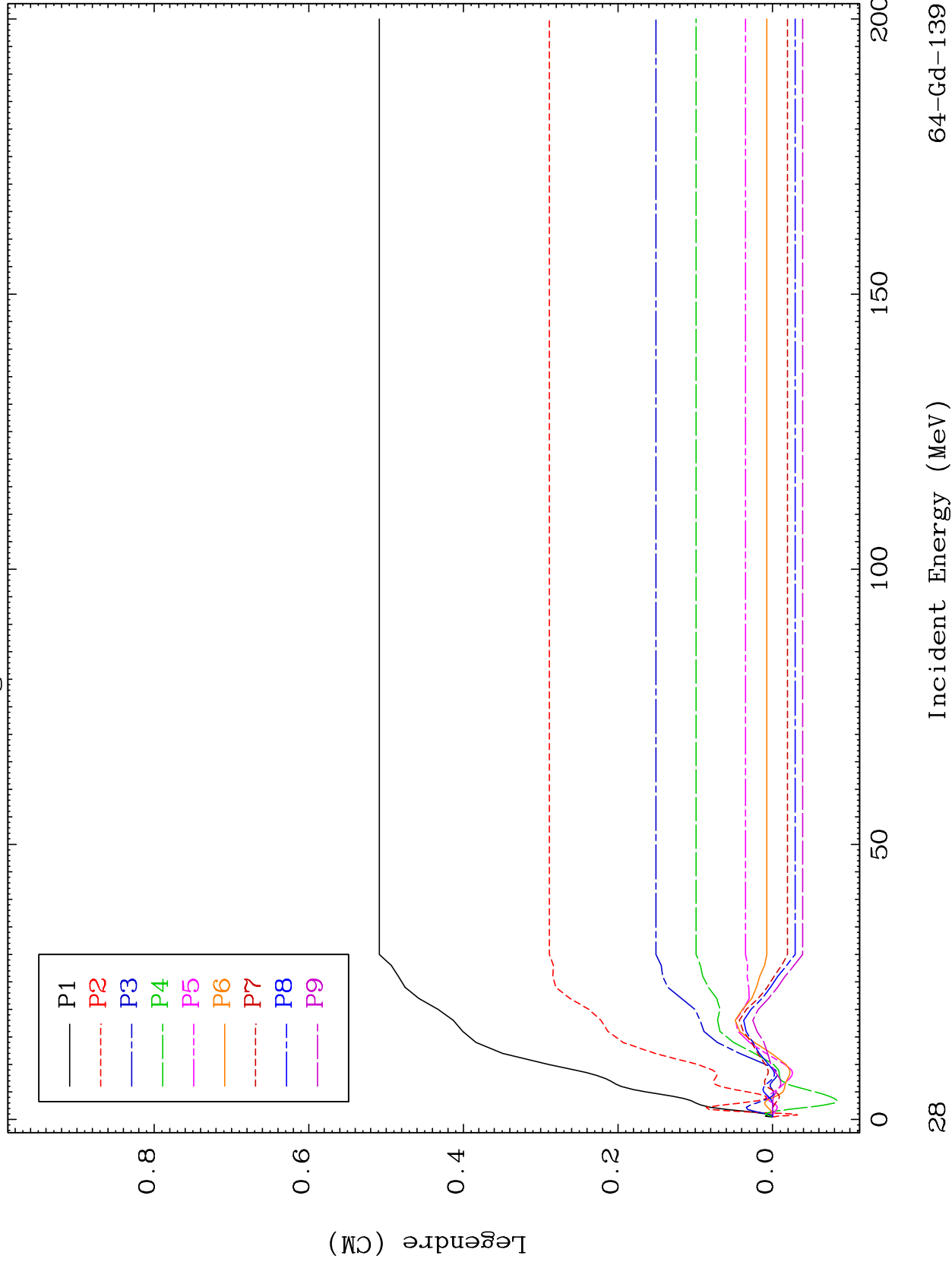
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64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

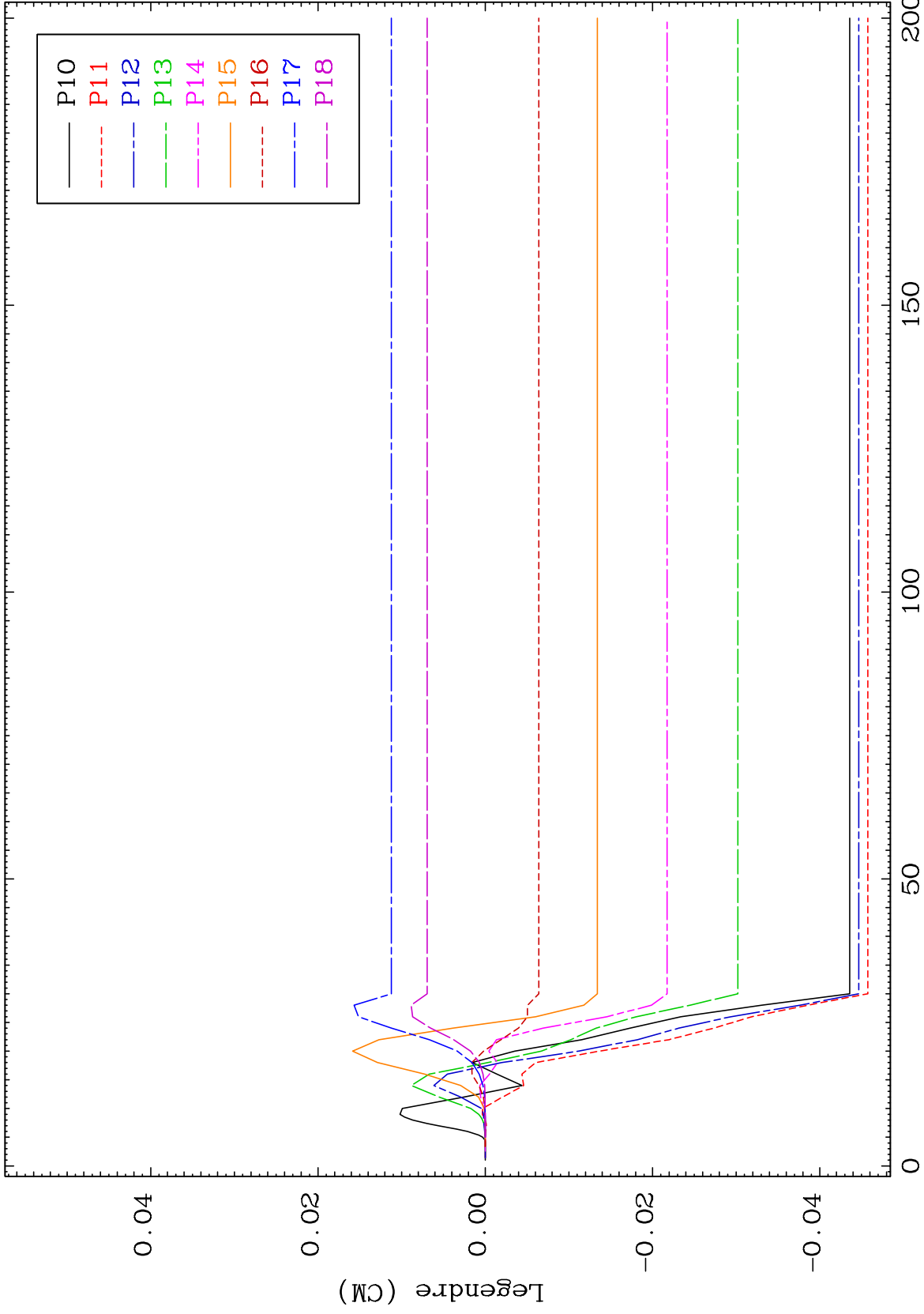
Incident Energy (MeV)

28

MAT 6386

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

64-Gd-139



29

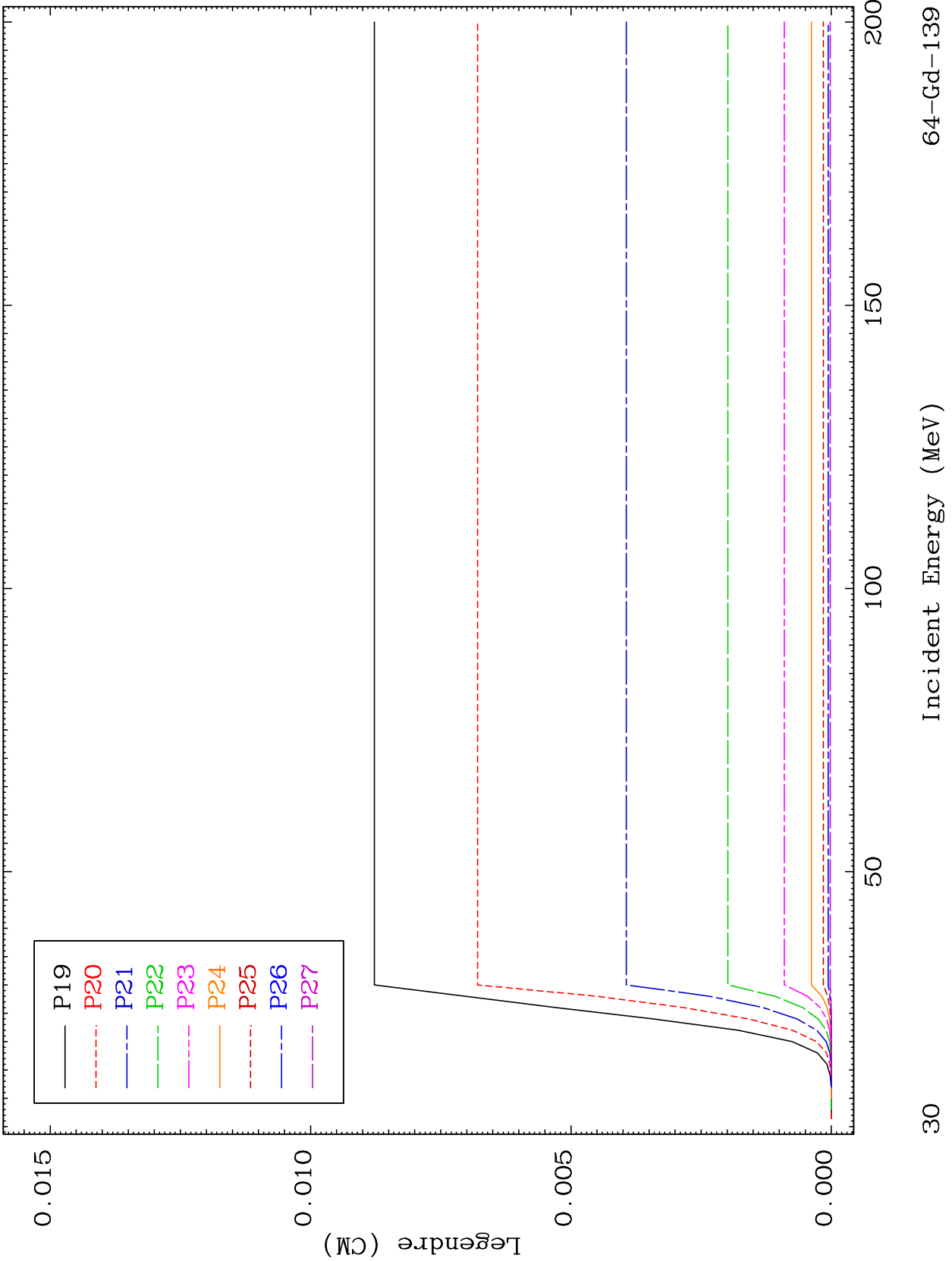
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



30

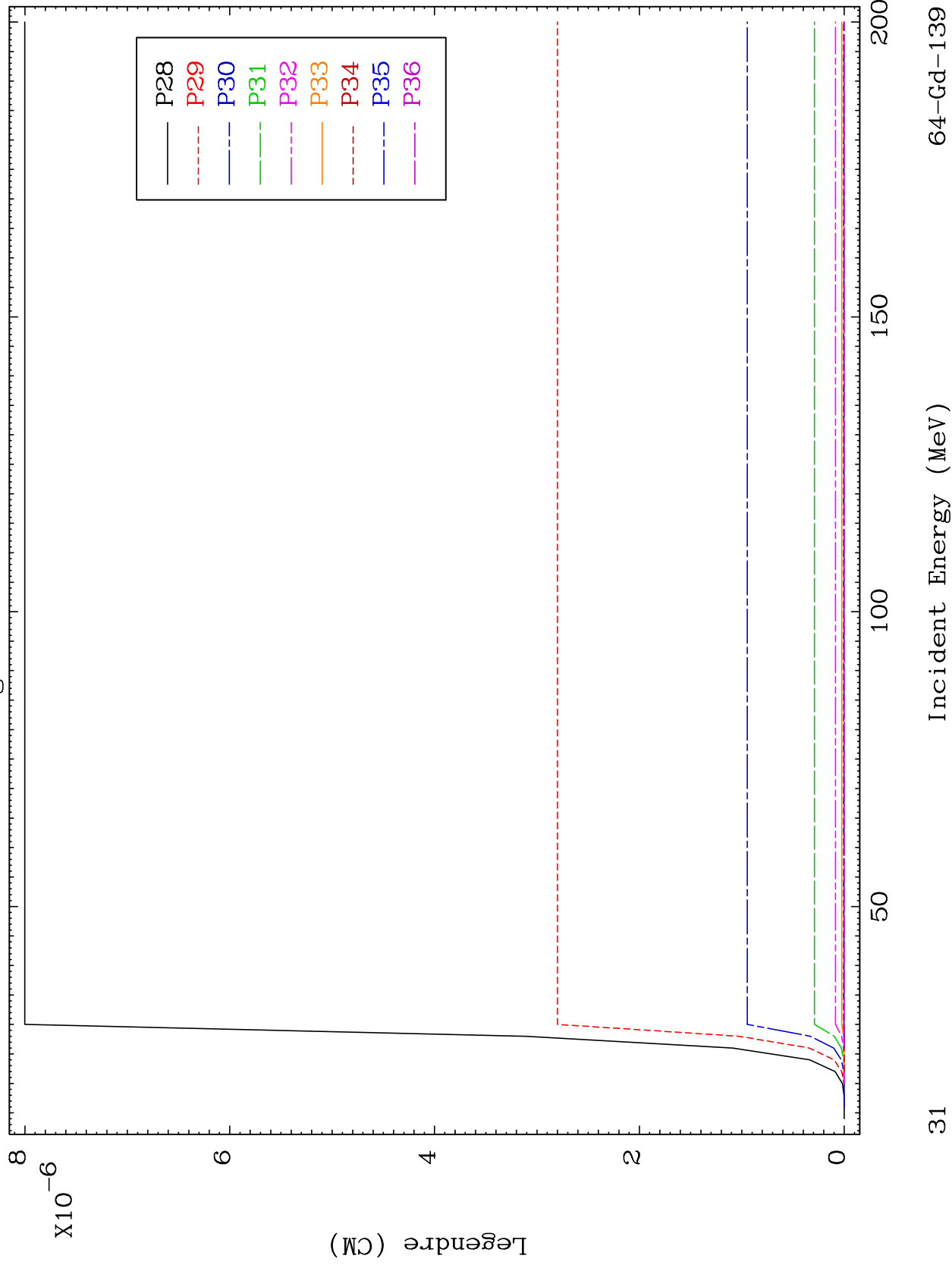
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



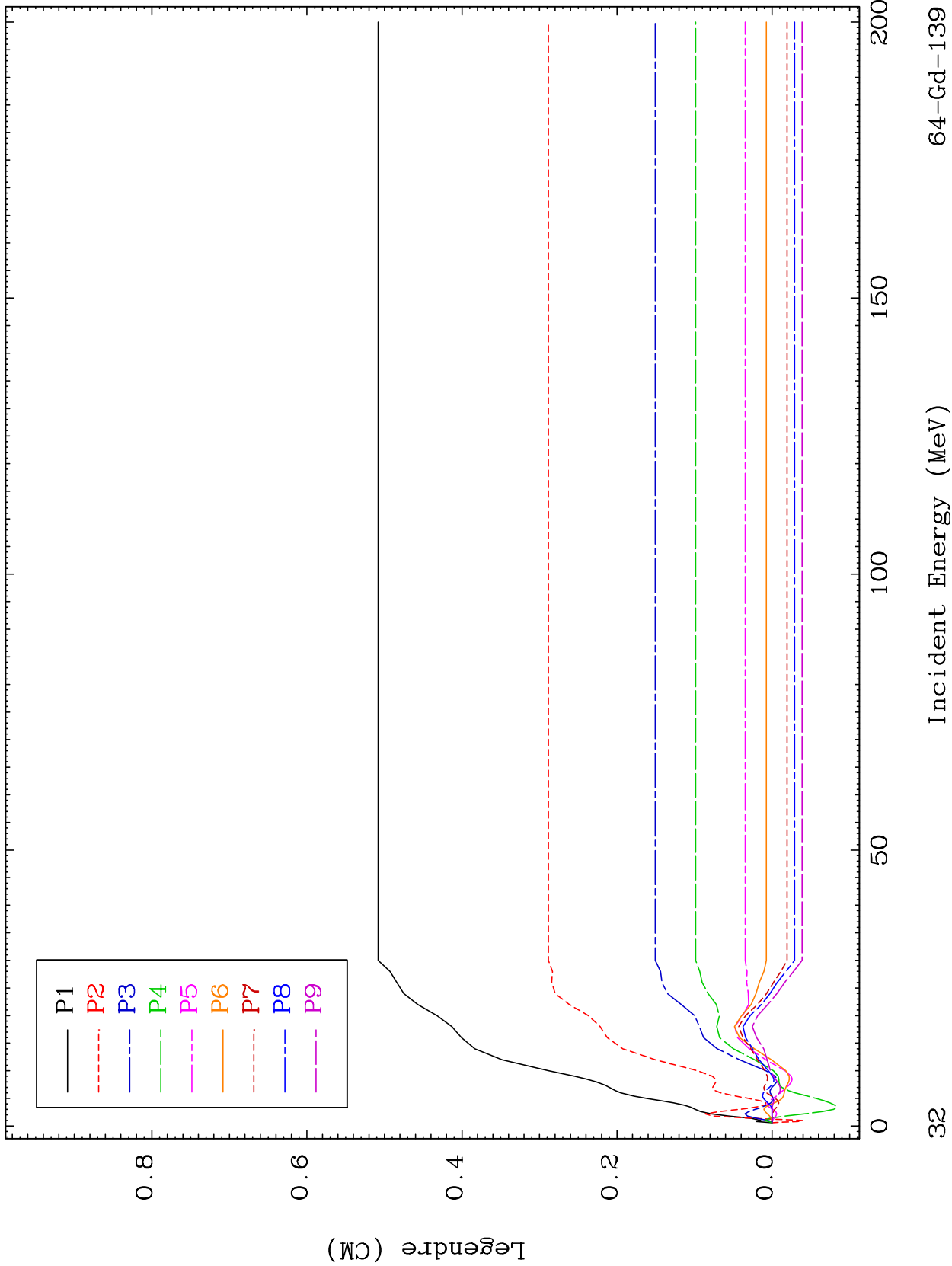
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64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

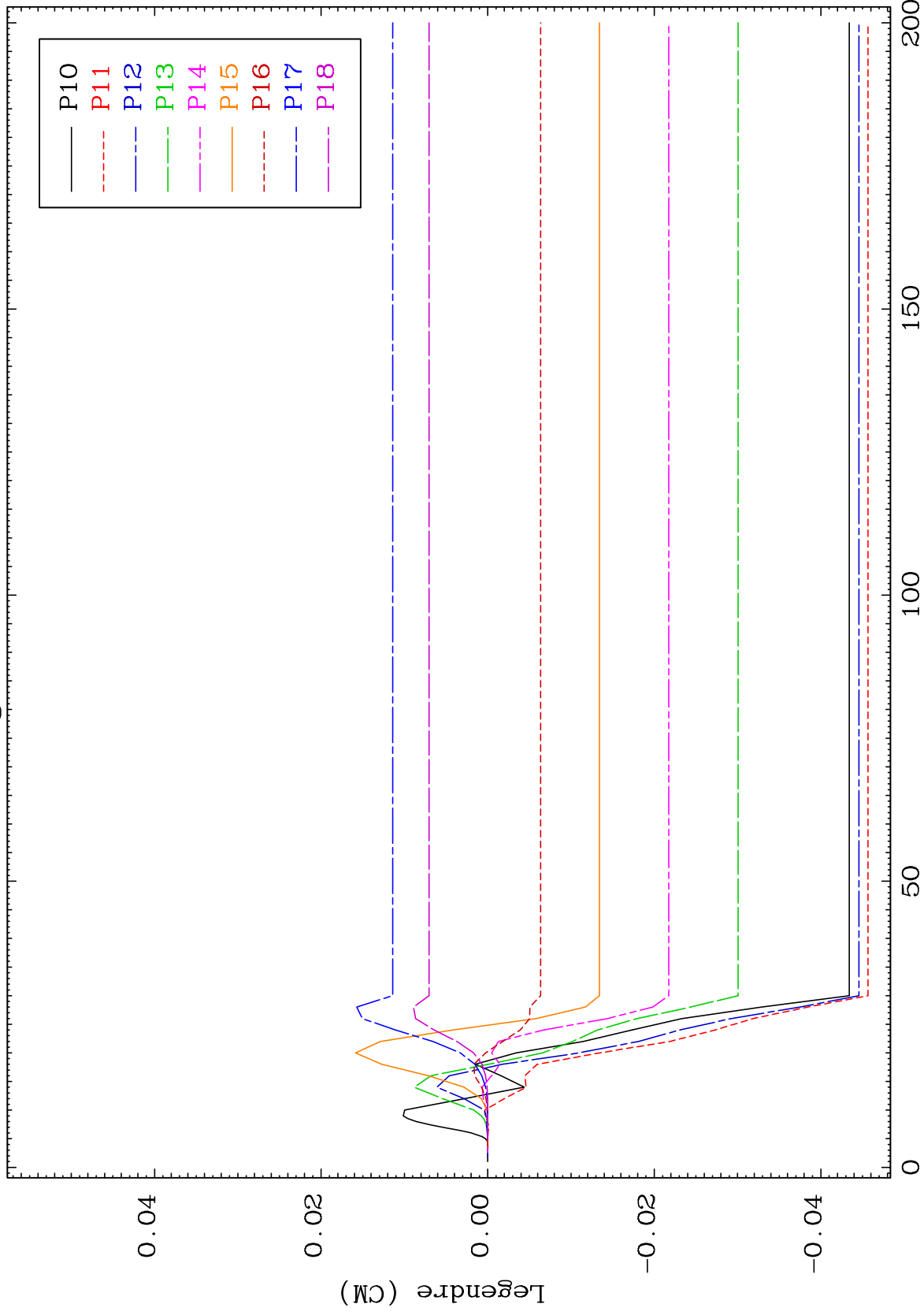
Incident Energy (MeV)

32

MAT 6386

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

64-Gd-139



33

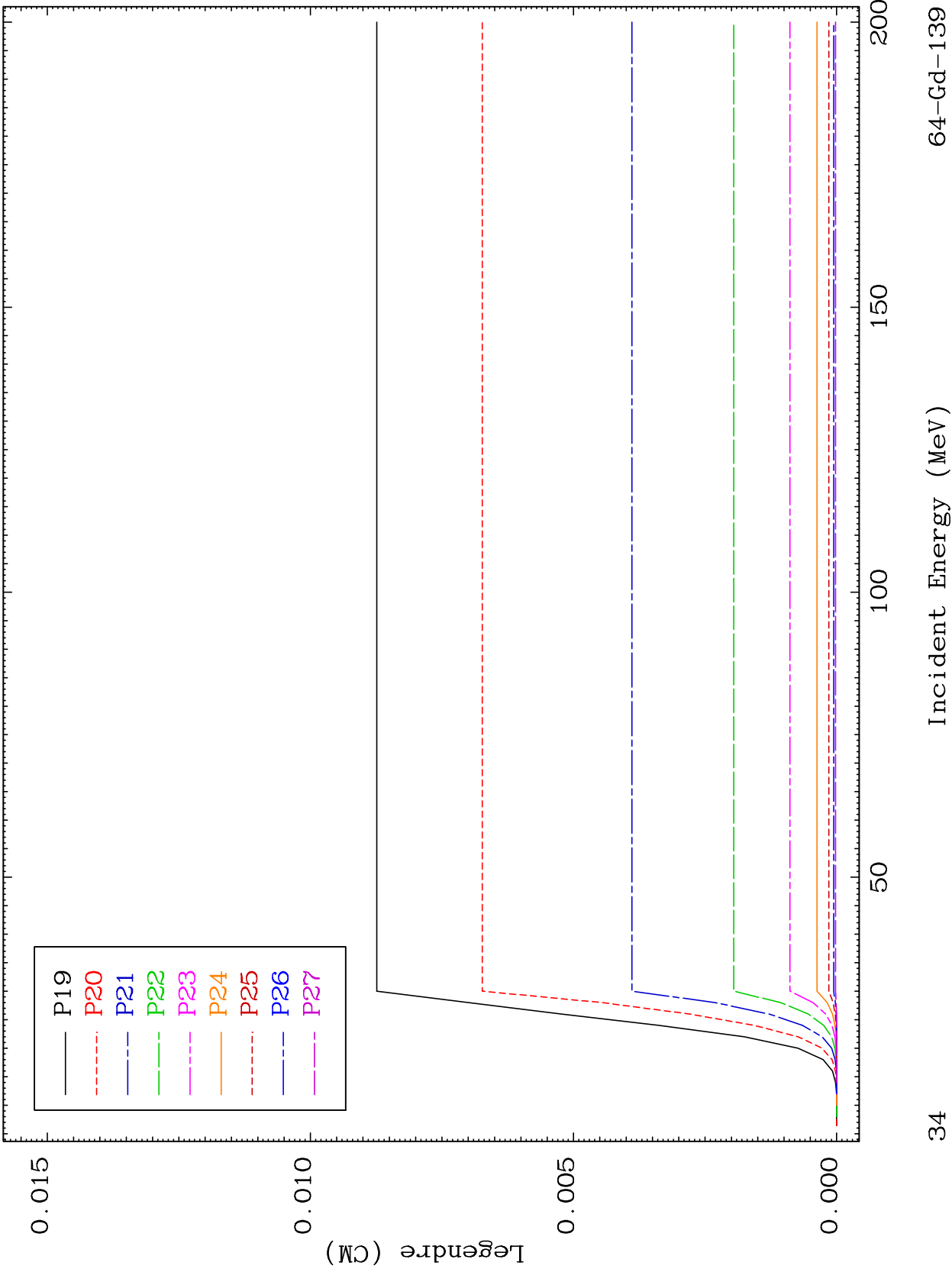
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



34

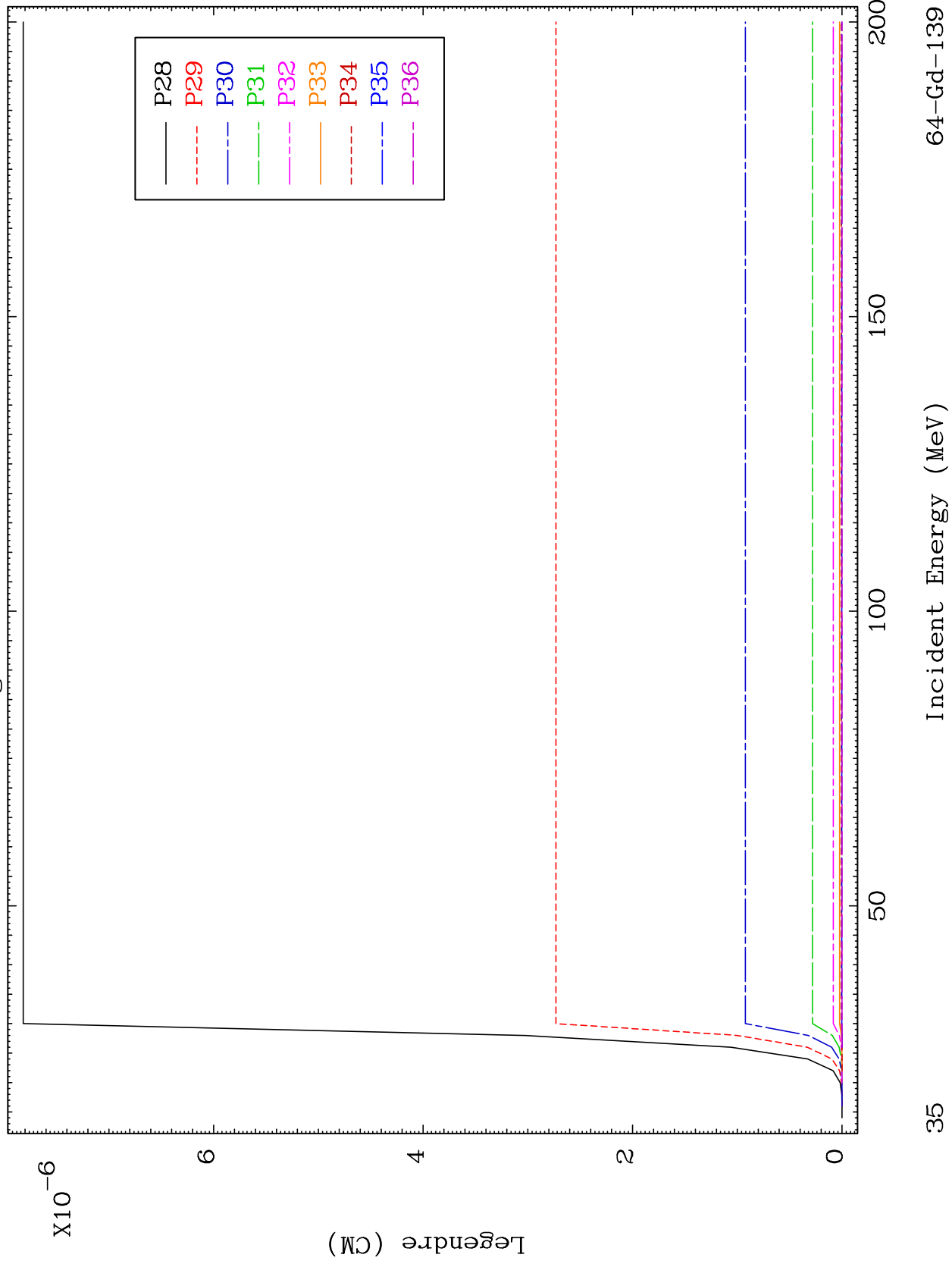
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



35

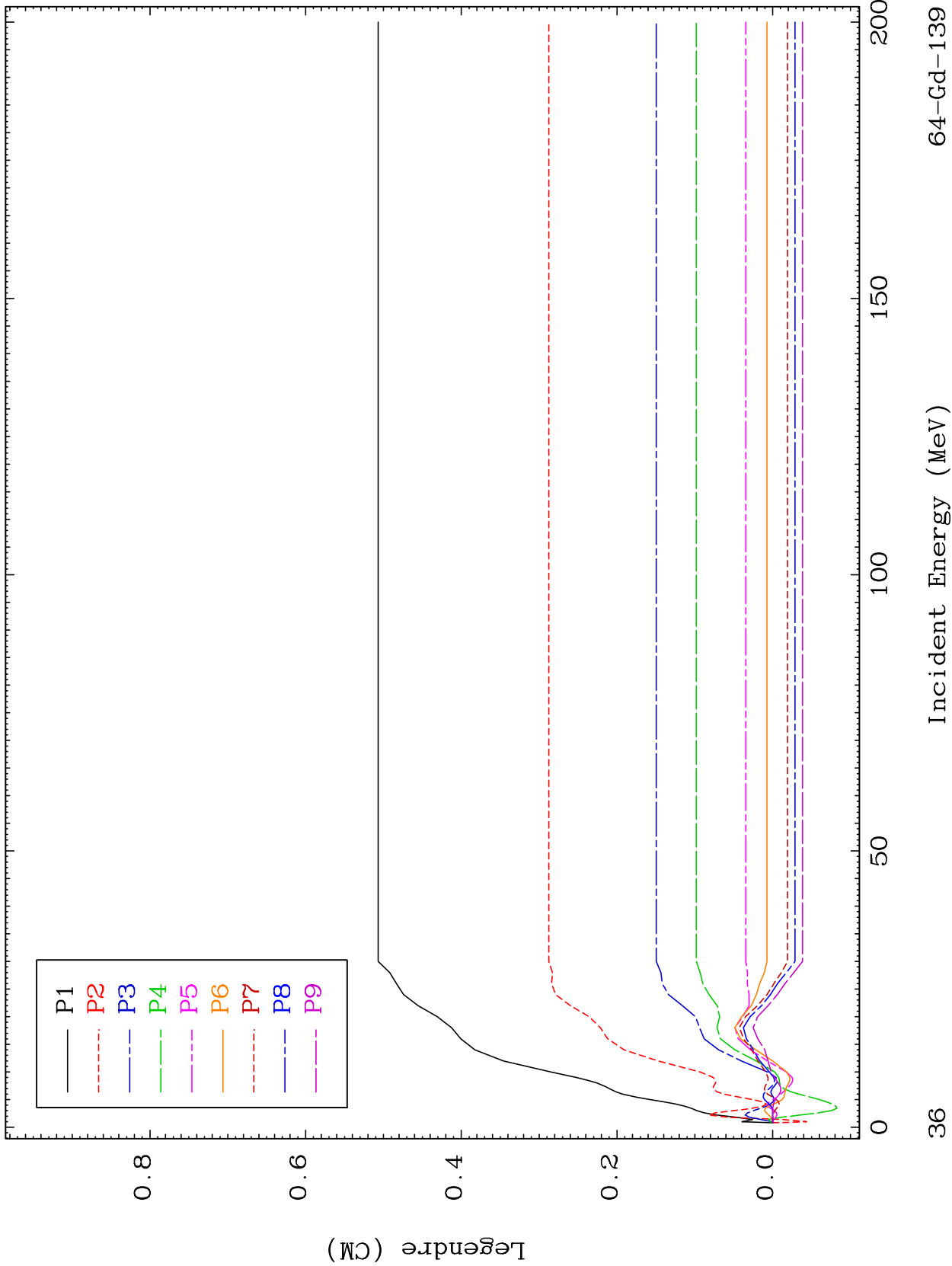
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

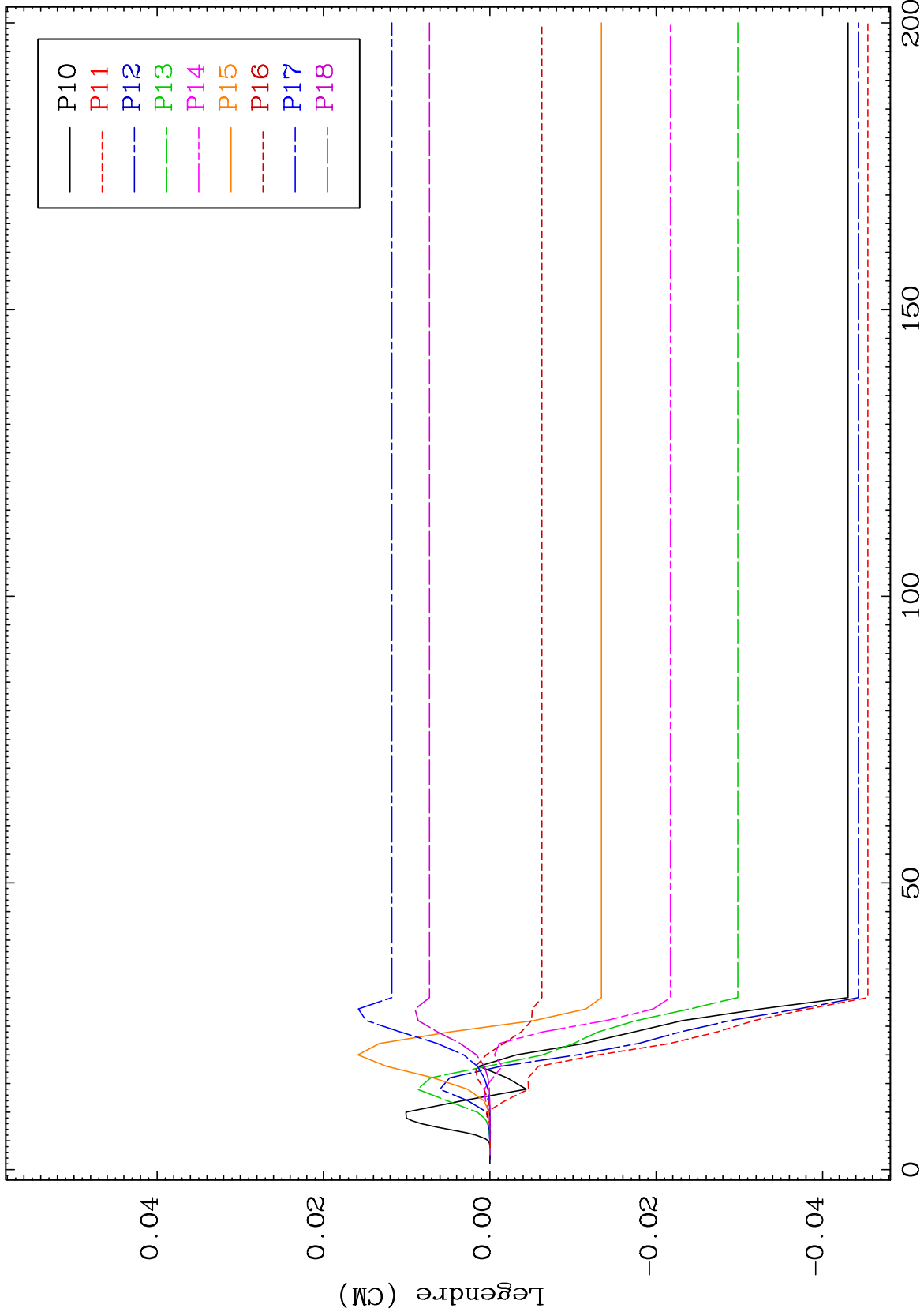
Incident Energy (MeV)

36

MAT 6386

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

64-Gd-139



37

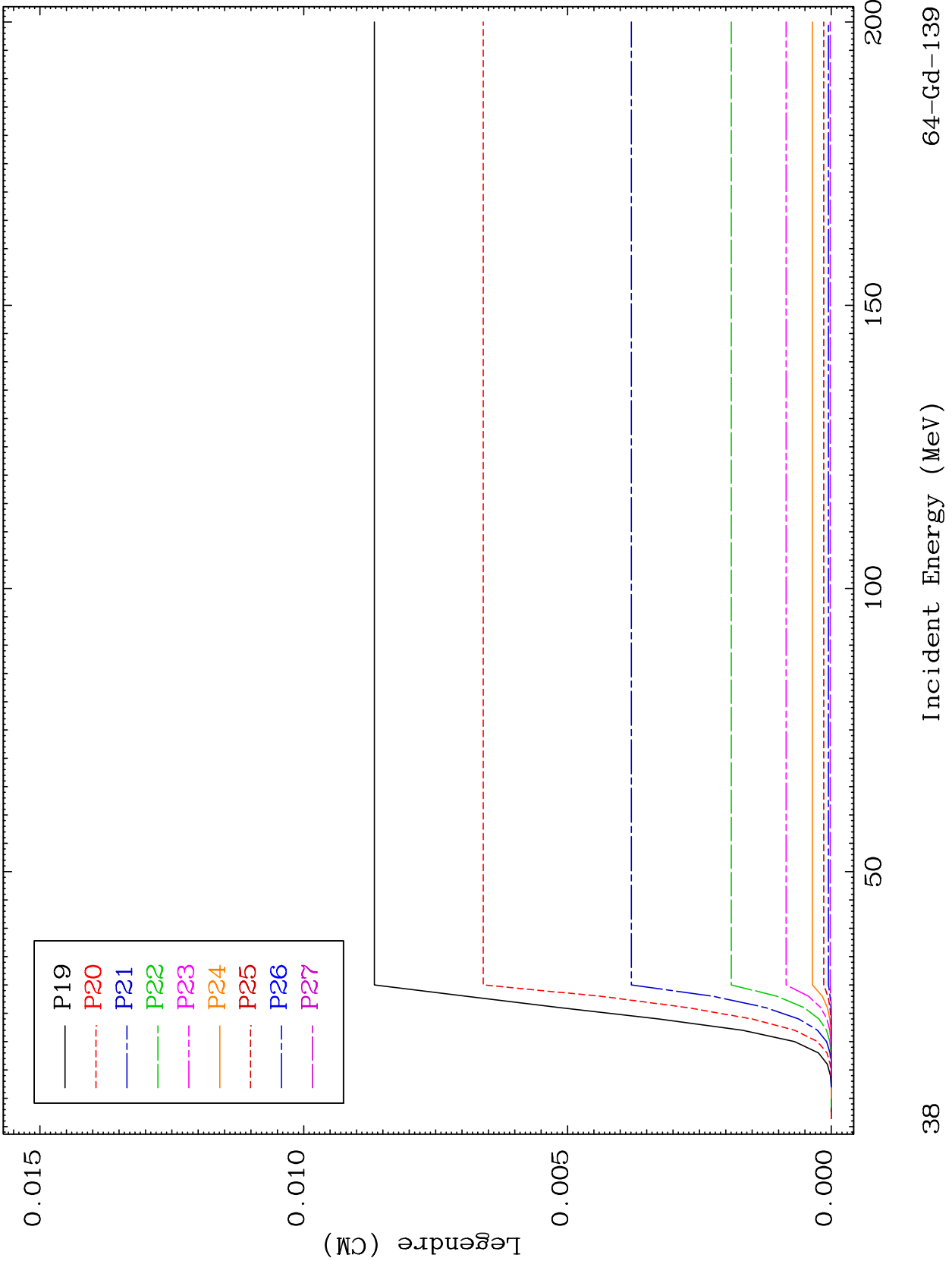
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



38

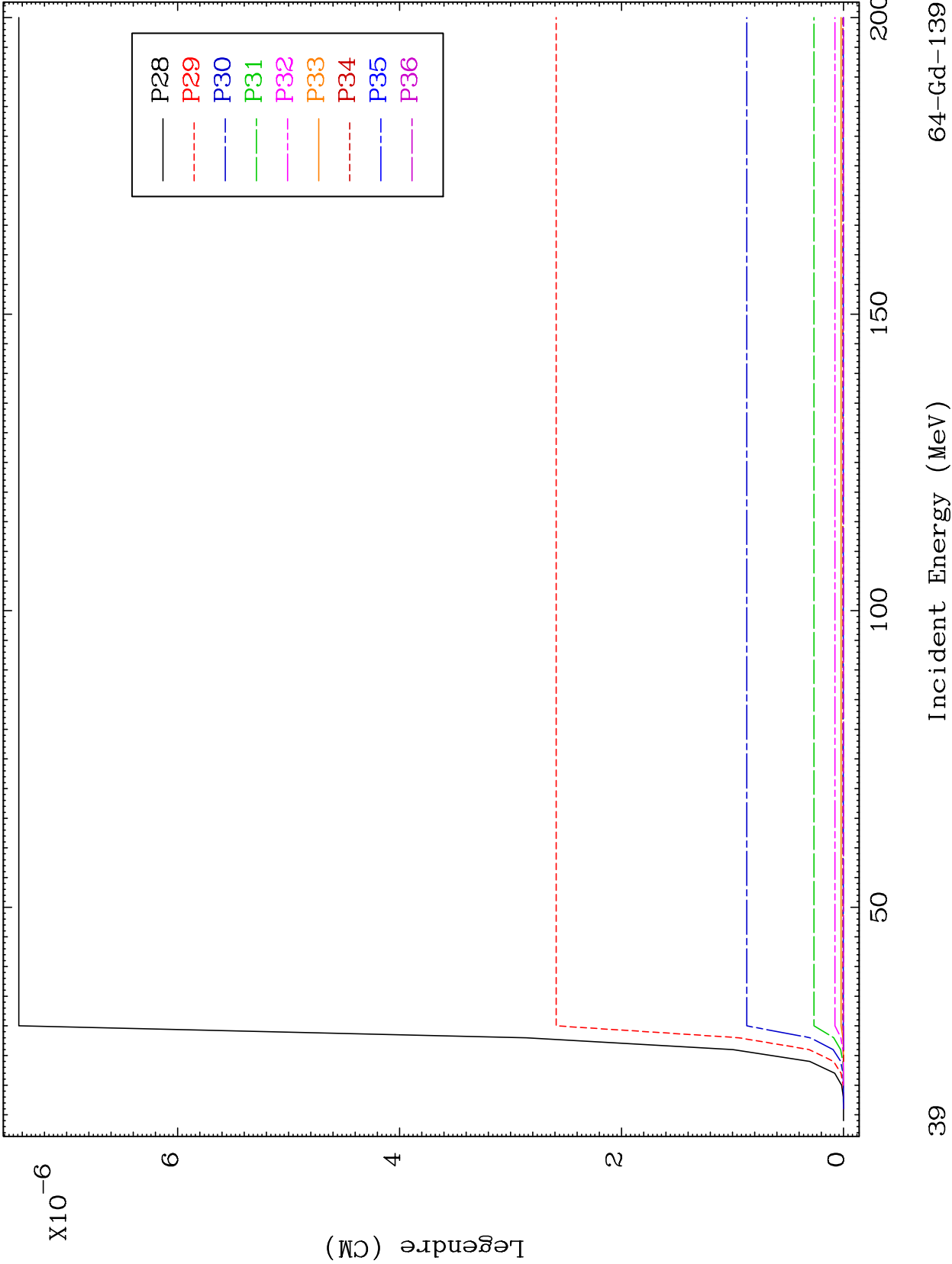
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



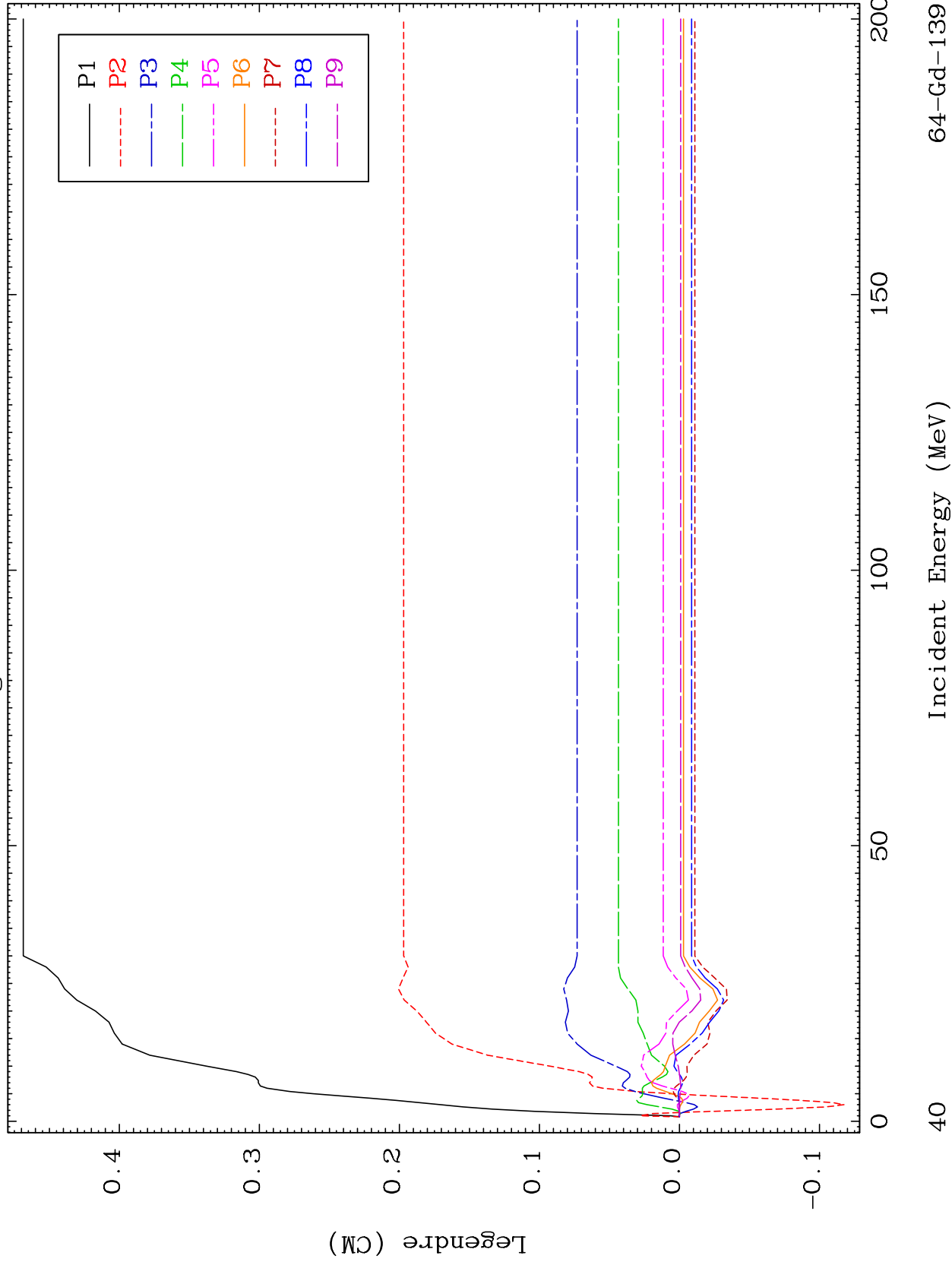
39

64-Gd-139

MAT 6386

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

64-Gd-139

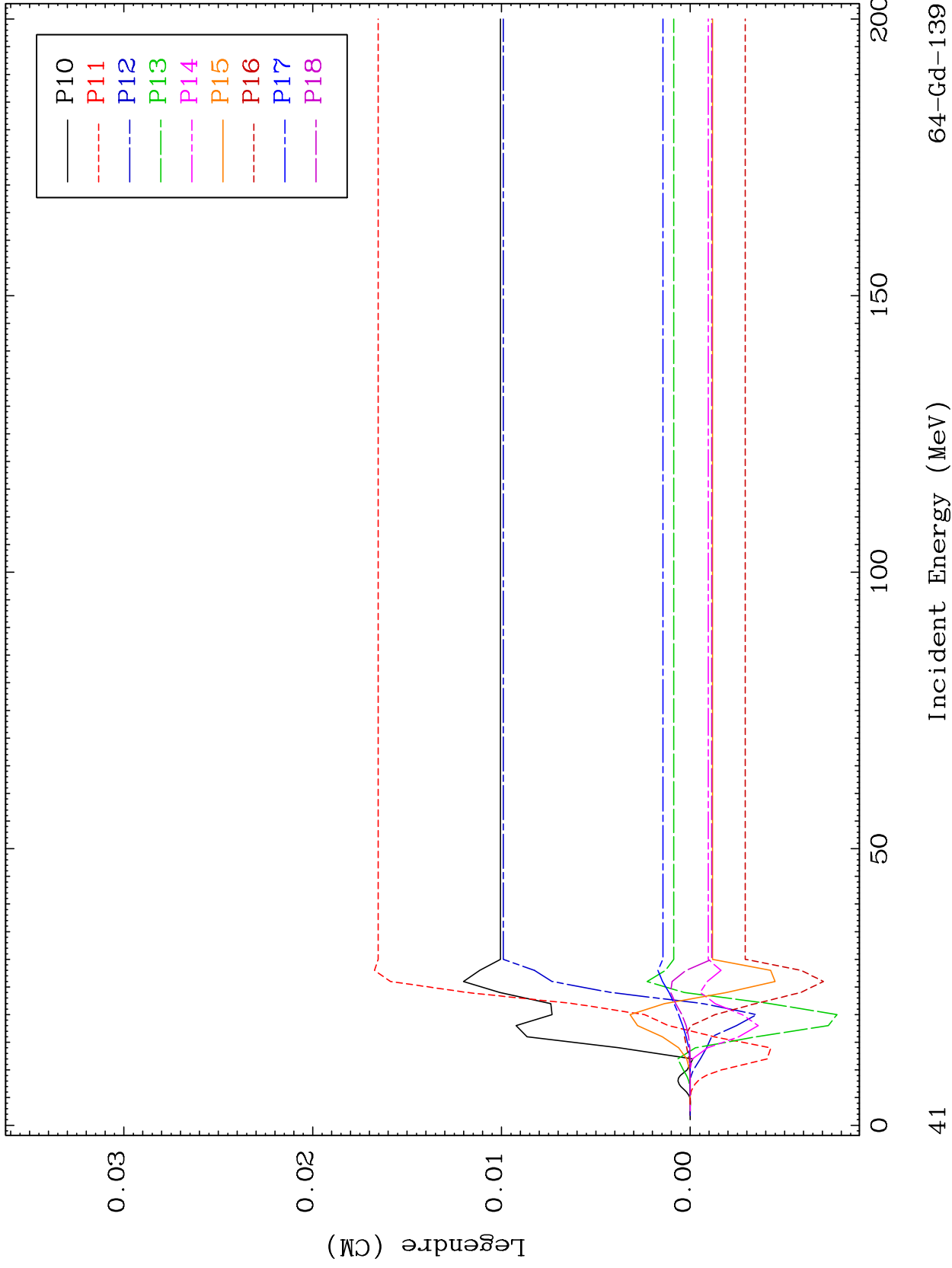


64-Gd-139

MAT 6386

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

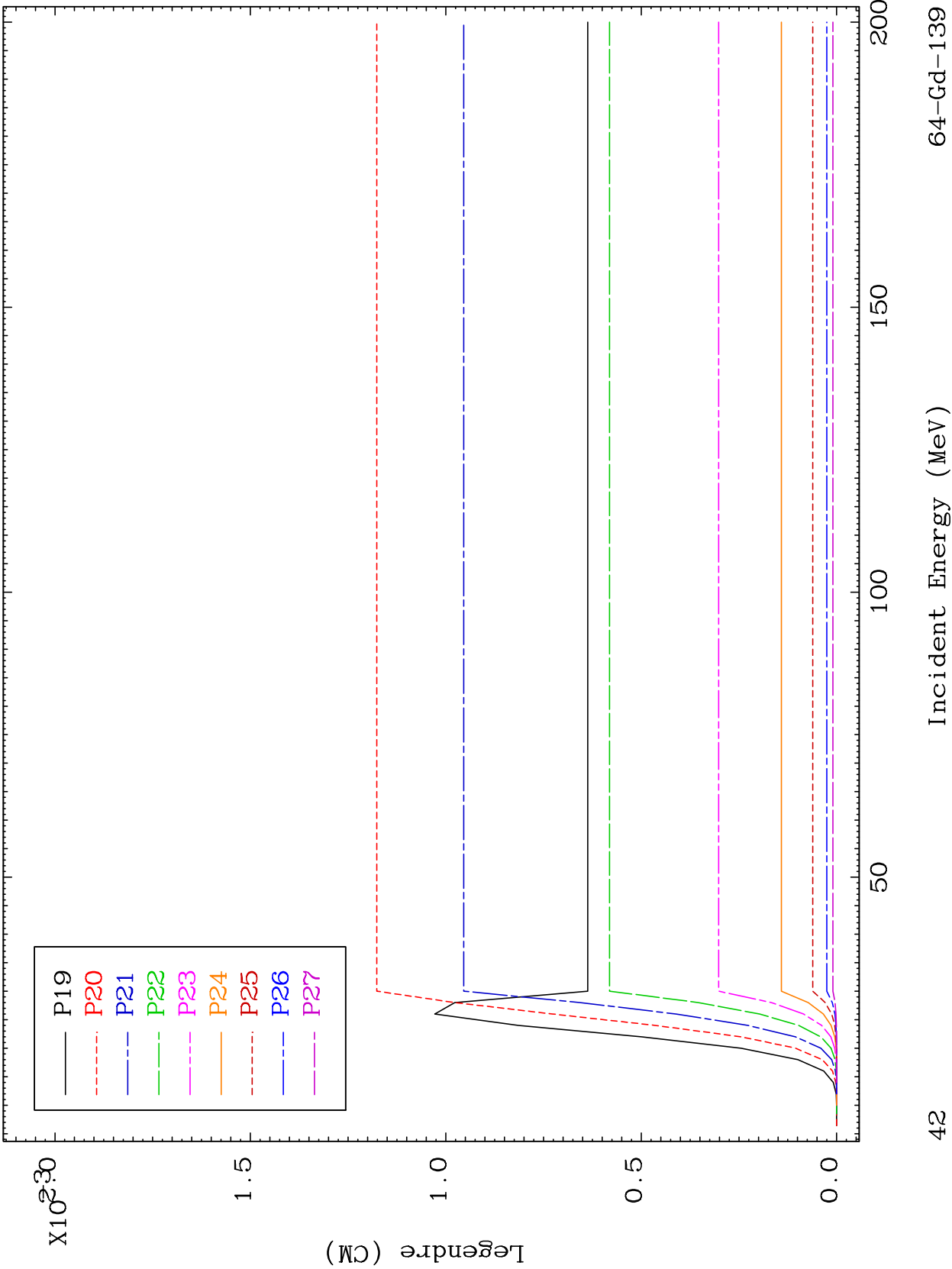
64-Gd-139



41

Incident Energy (MeV)

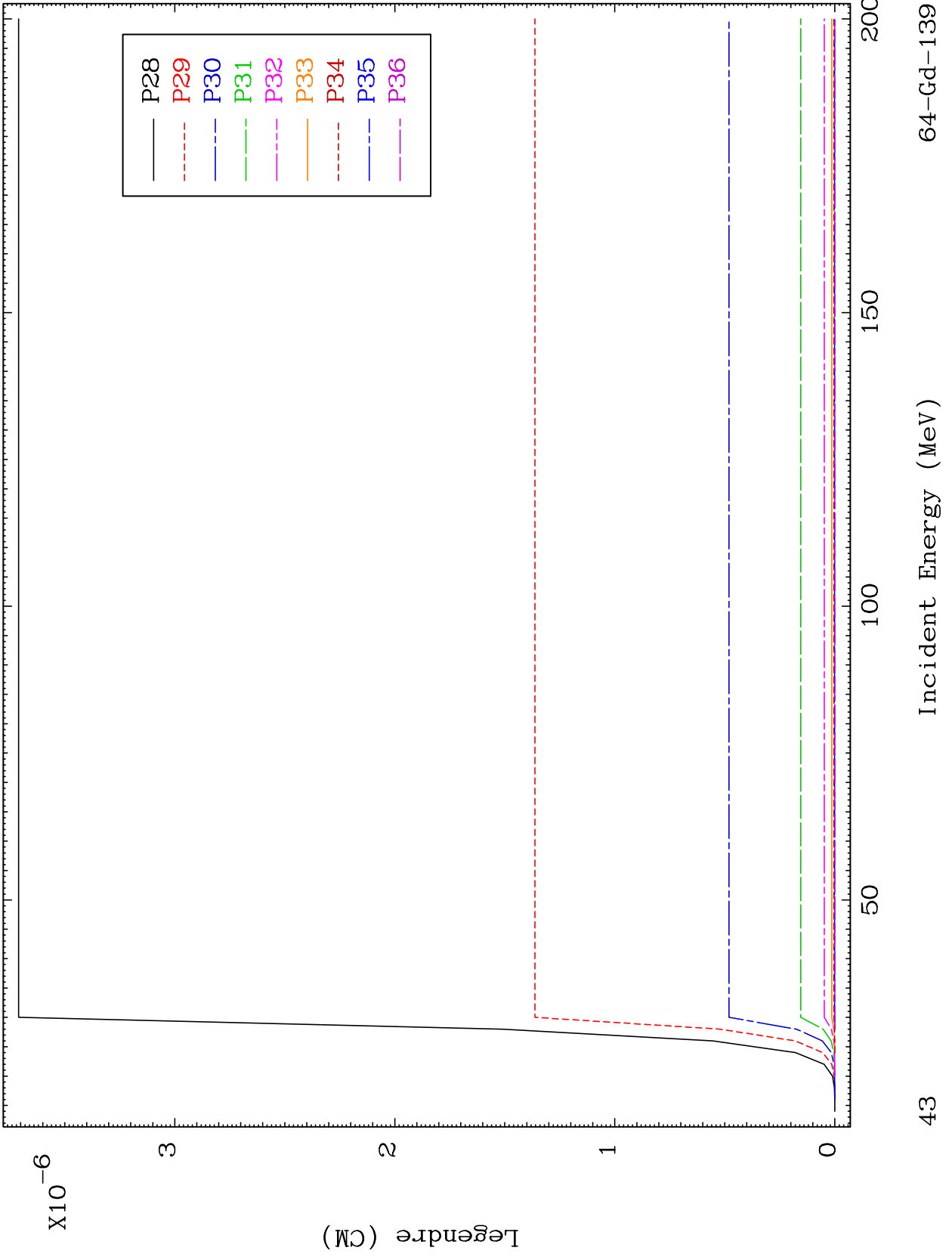
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MAT 6386

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

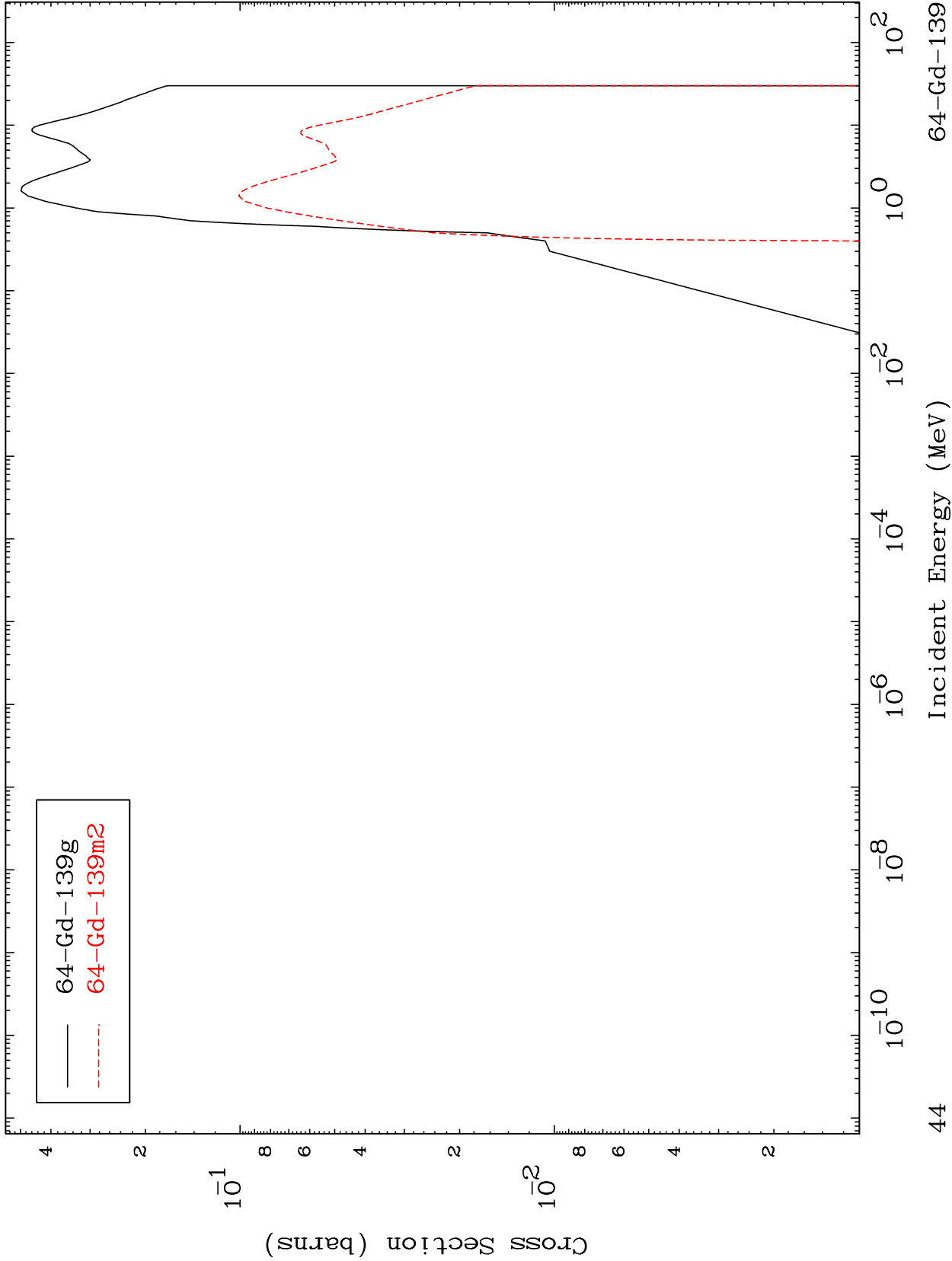
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MAT 6386

Inelastic
Radionuclide Production Cross Section

64-Gd-139

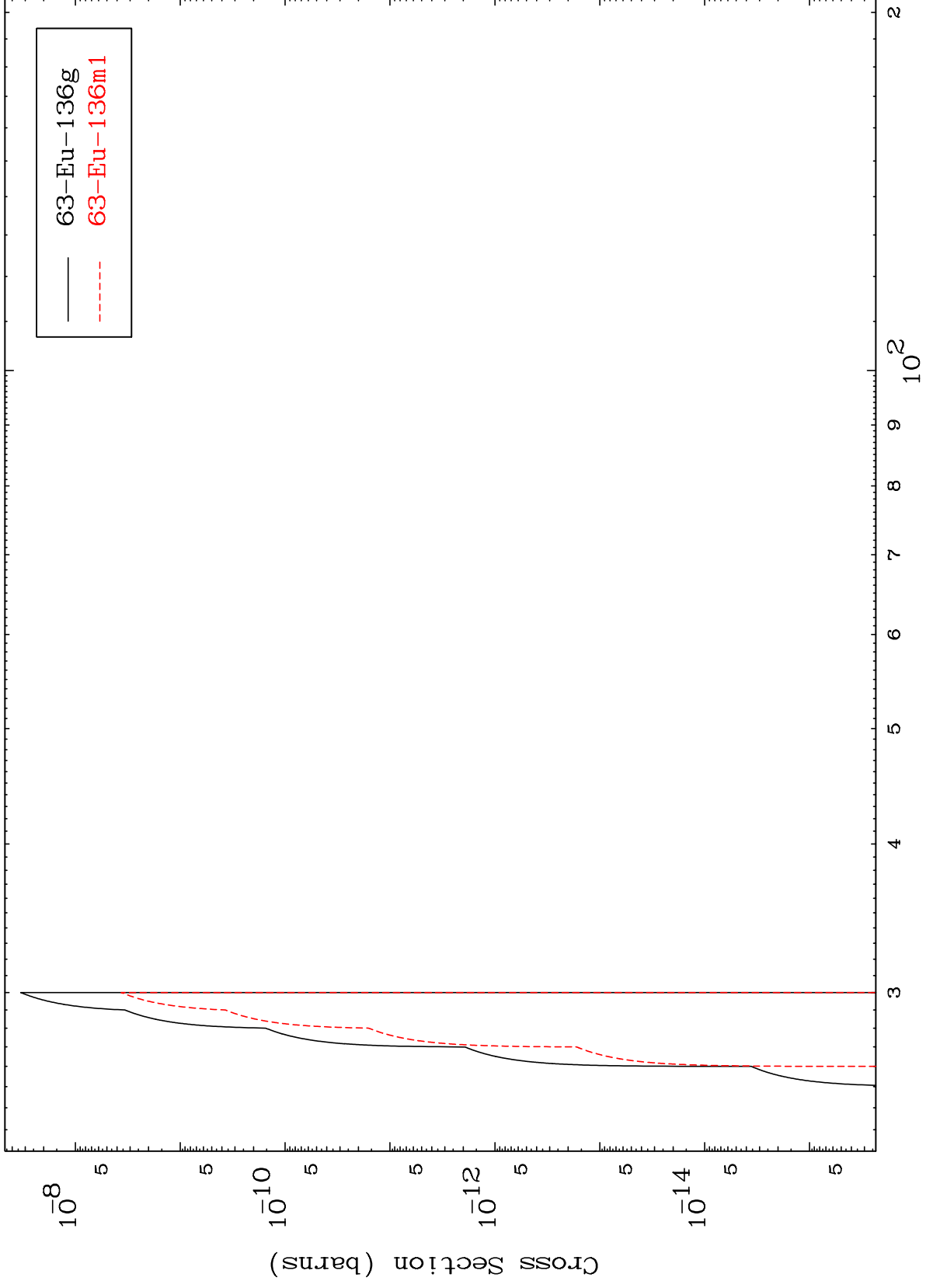


MAT 6386

(n,2n) d

64-Gd-139

Radionuclide Production Cross Section



45

Incident Energy (MeV)

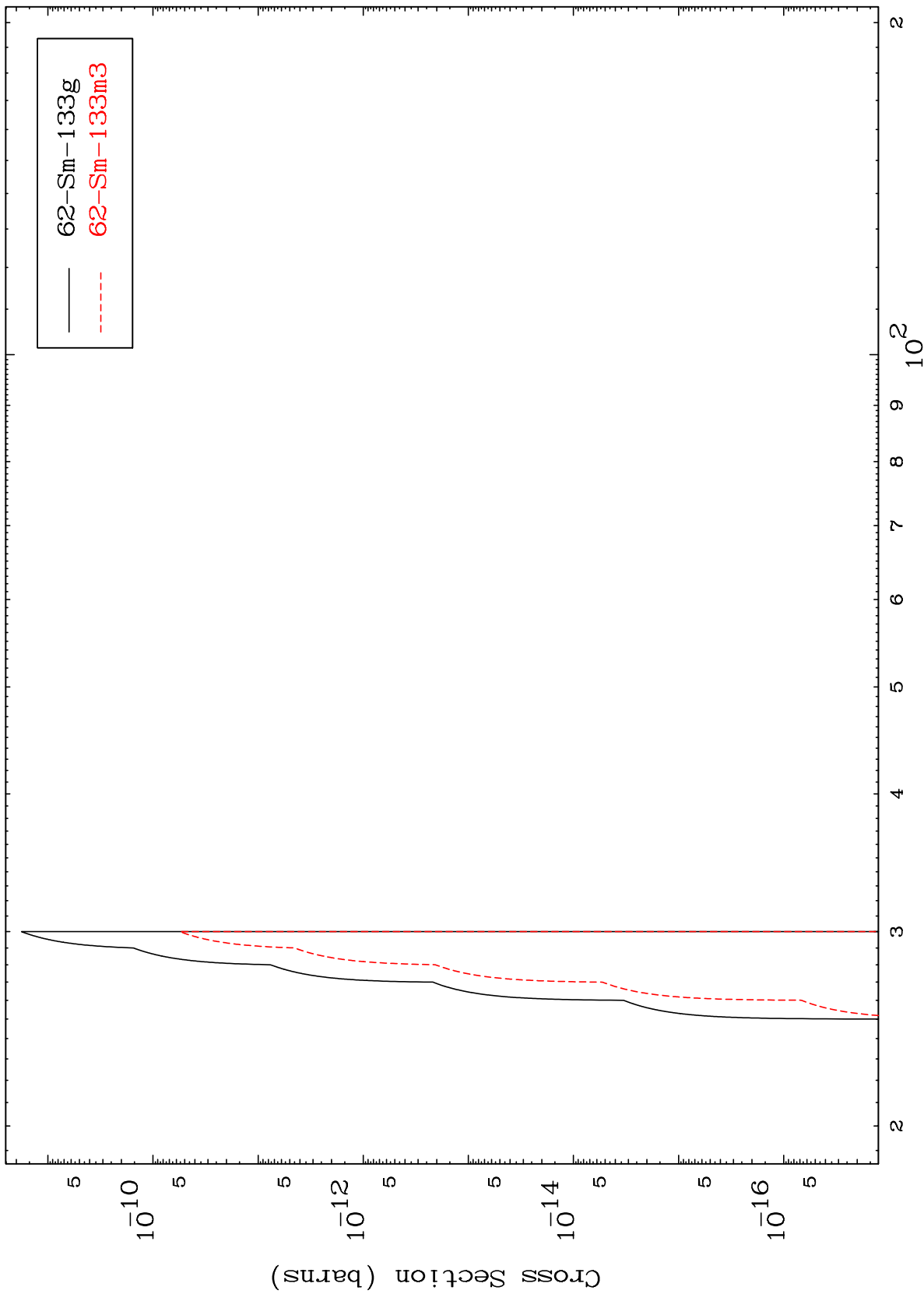
64-Gd-139

MAT 6386

$(n,3n) \alpha$

64-Gd-139

Radionuclide Production Cross Section



46

Incident Energy (MeV)

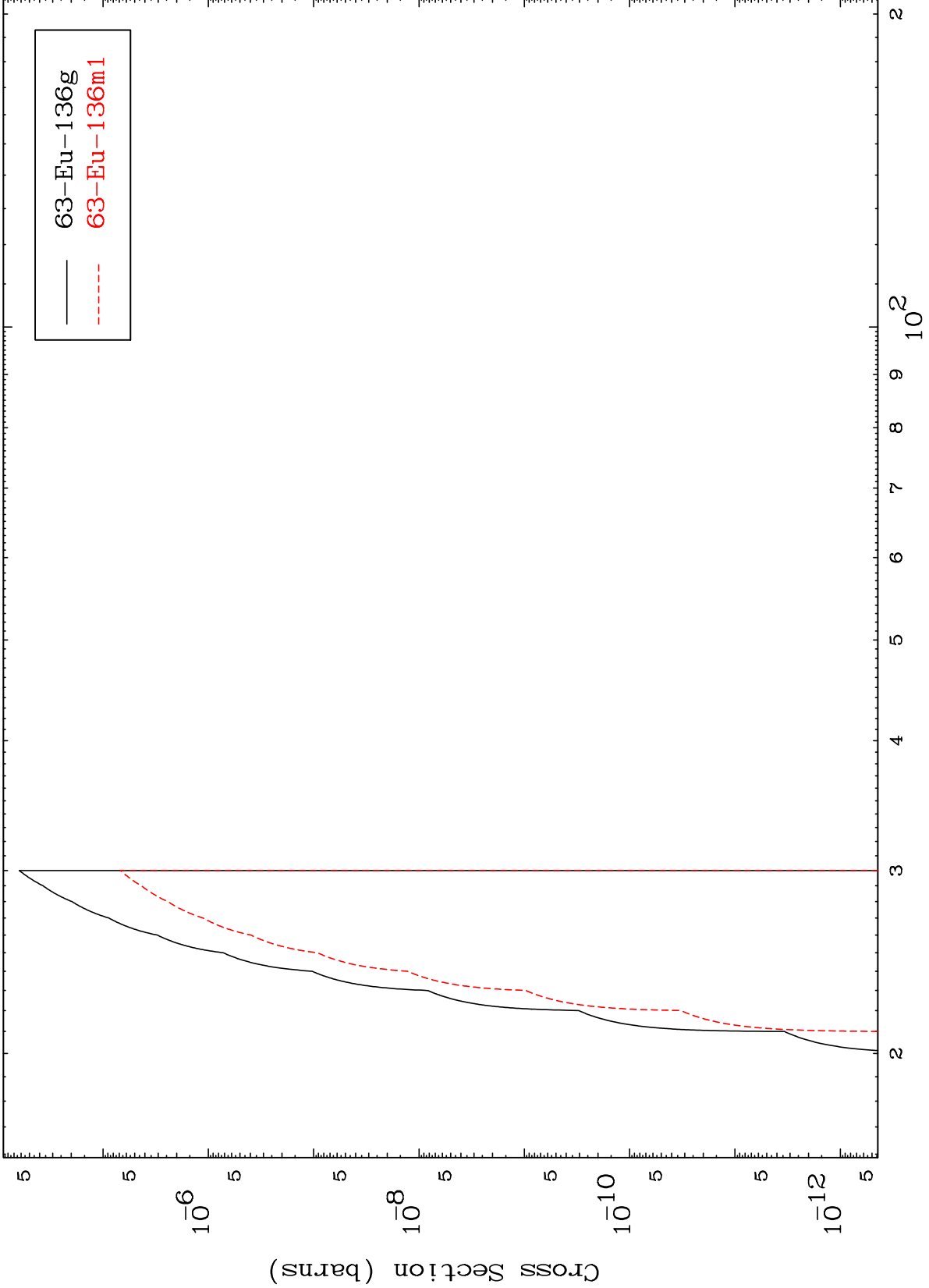
64-Gd-139

MAT 6386

(n,n') t

64-Gd-139

Radionuclide Production Cross Section



47

Incident Energy (MeV)

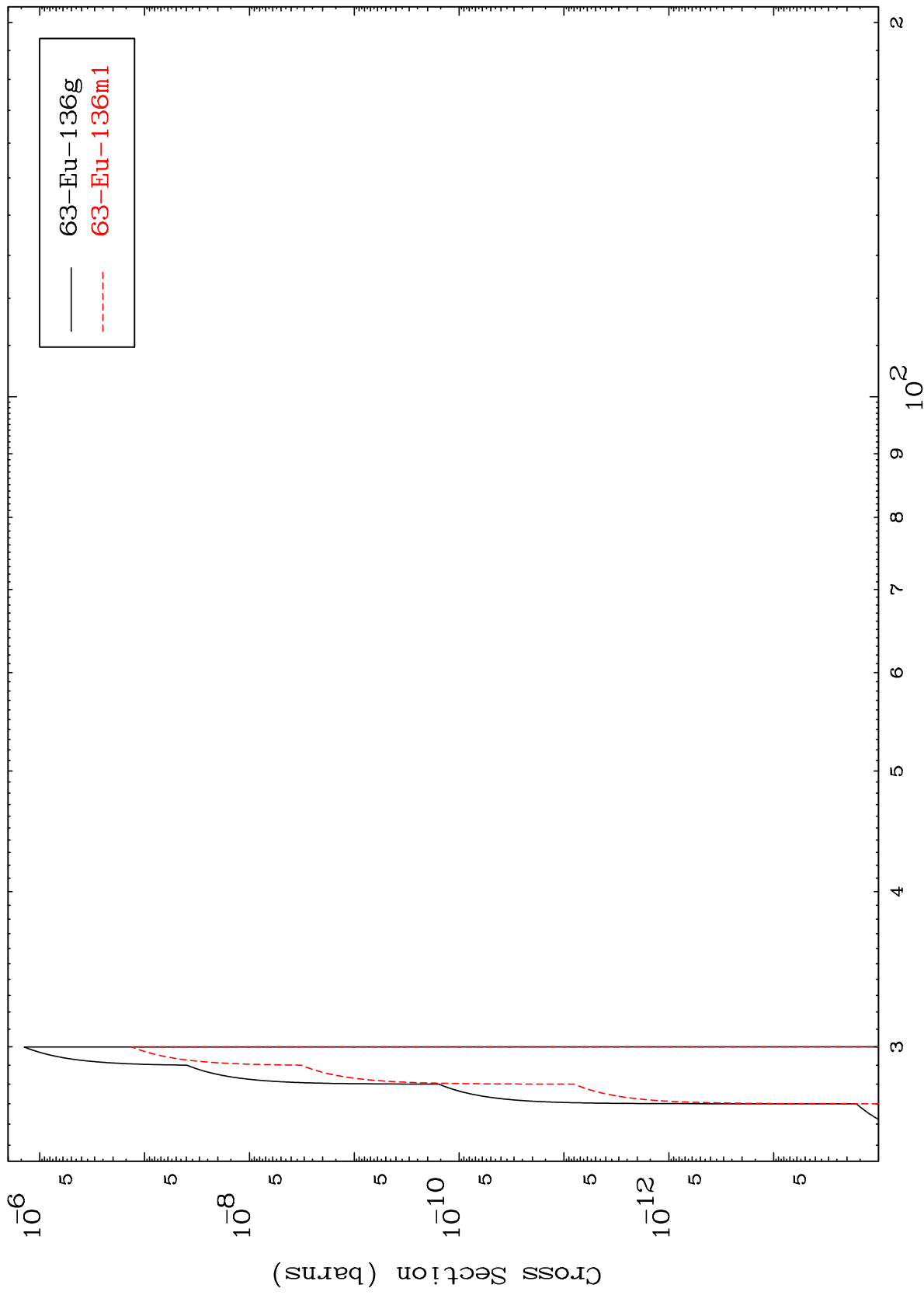
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MAT 6386

(n,3n) p

64-Gd-139

Radionuclide Production Cross Section



48

Incident Energy (MeV)

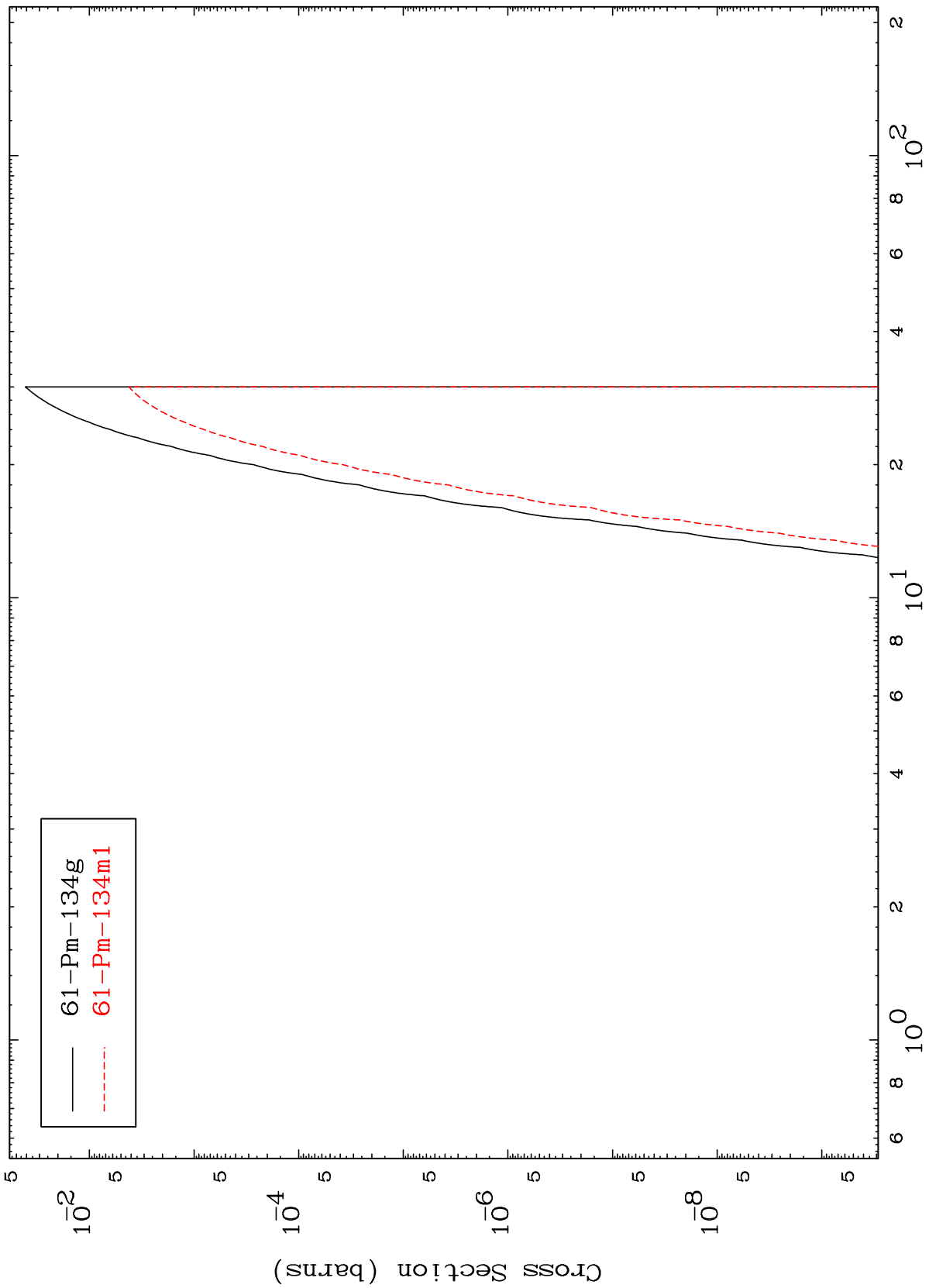
64-Gd-139

MAT 6386

(n,n') p α

64-Gd-139

Radionuclide Production Cross Section



49

Incident Energy (MeV)

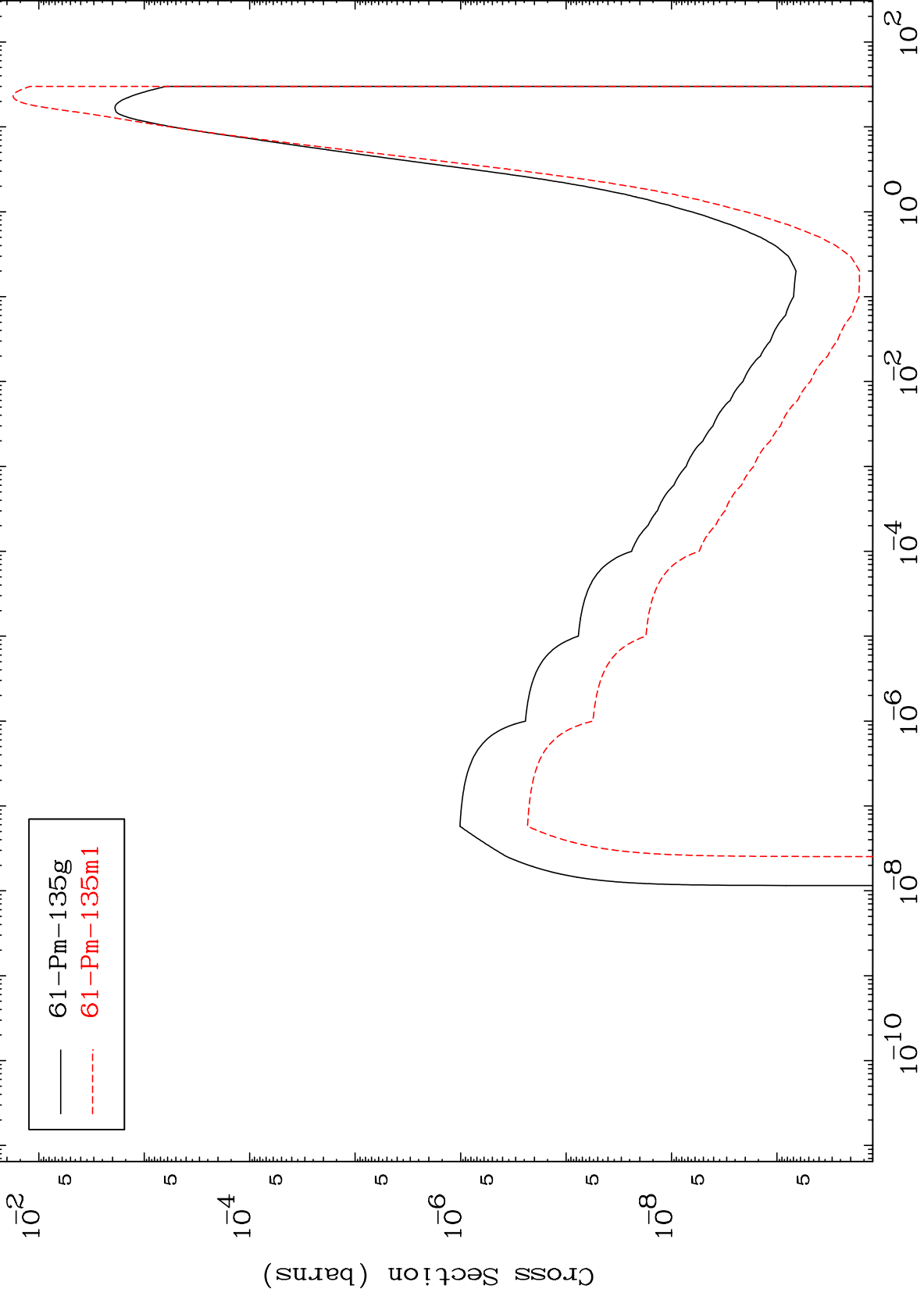
64-Gd-139

MAT 6386

(n,p) α

64-Gd-139

Radionuclide Production Cross Section



50

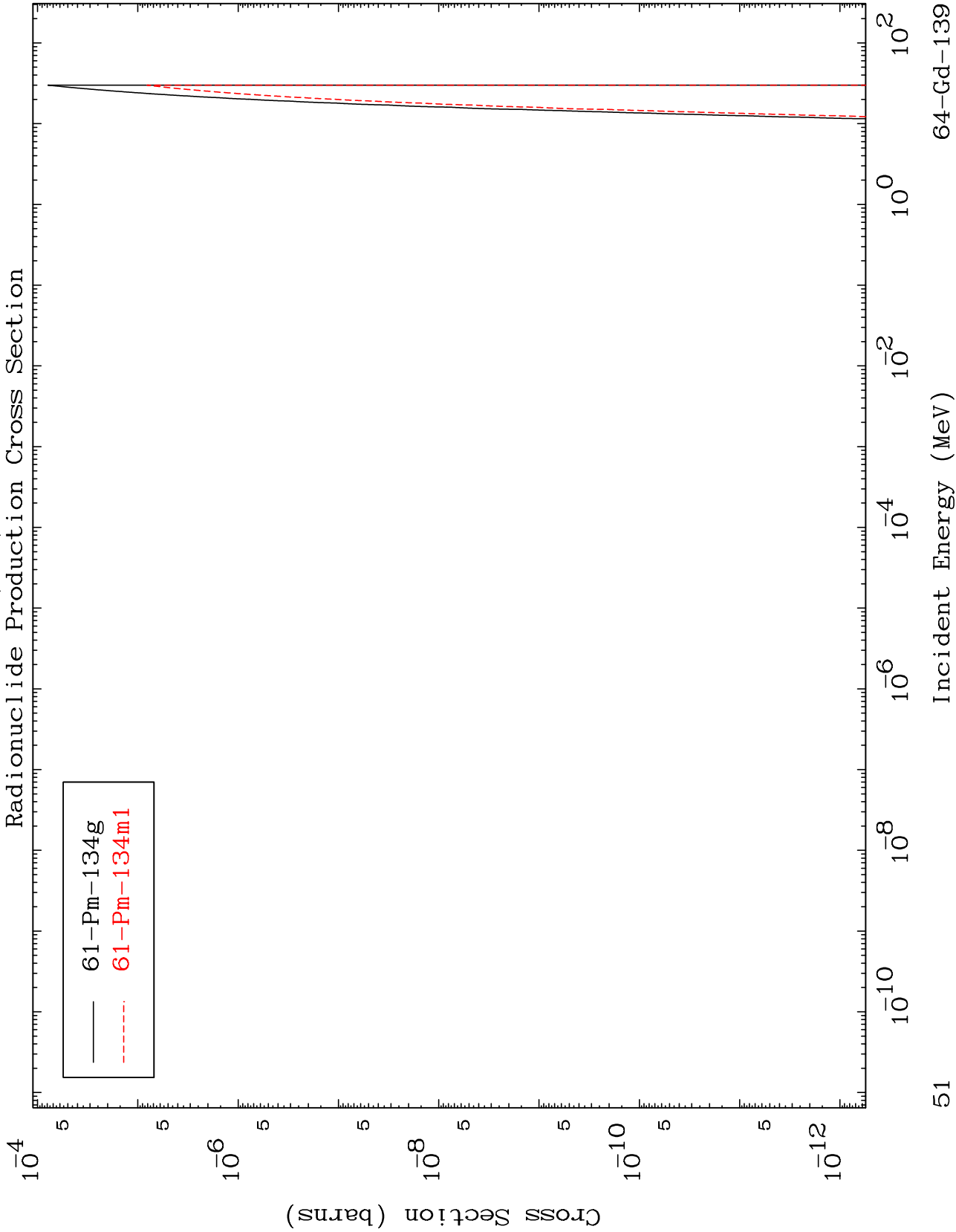
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,d) α

64-Gd-139



61-Pm-134g
61-Pm-134m1