

Program EVALPLOT
(Version 2018-1)

by

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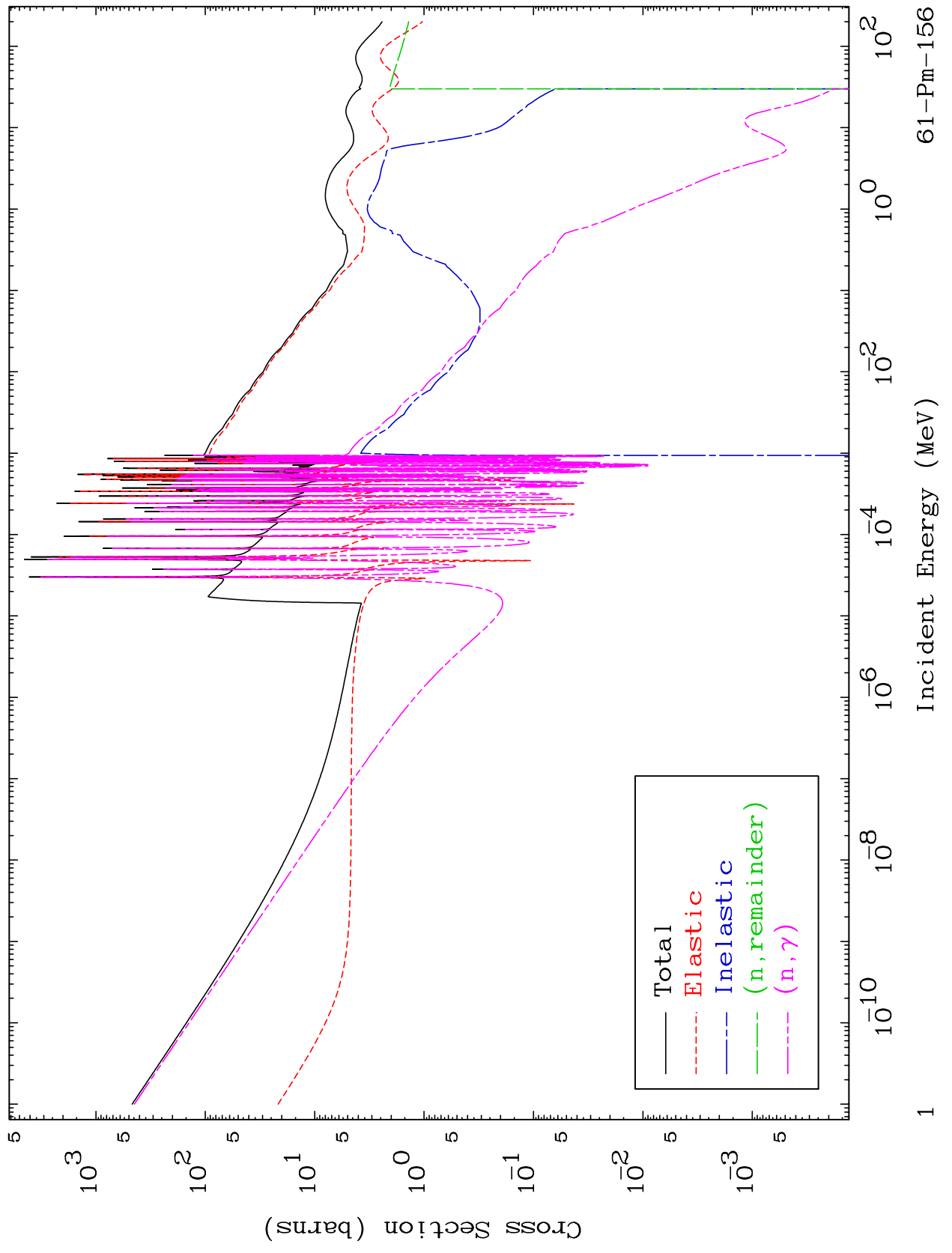
Press Mouse Button to Start

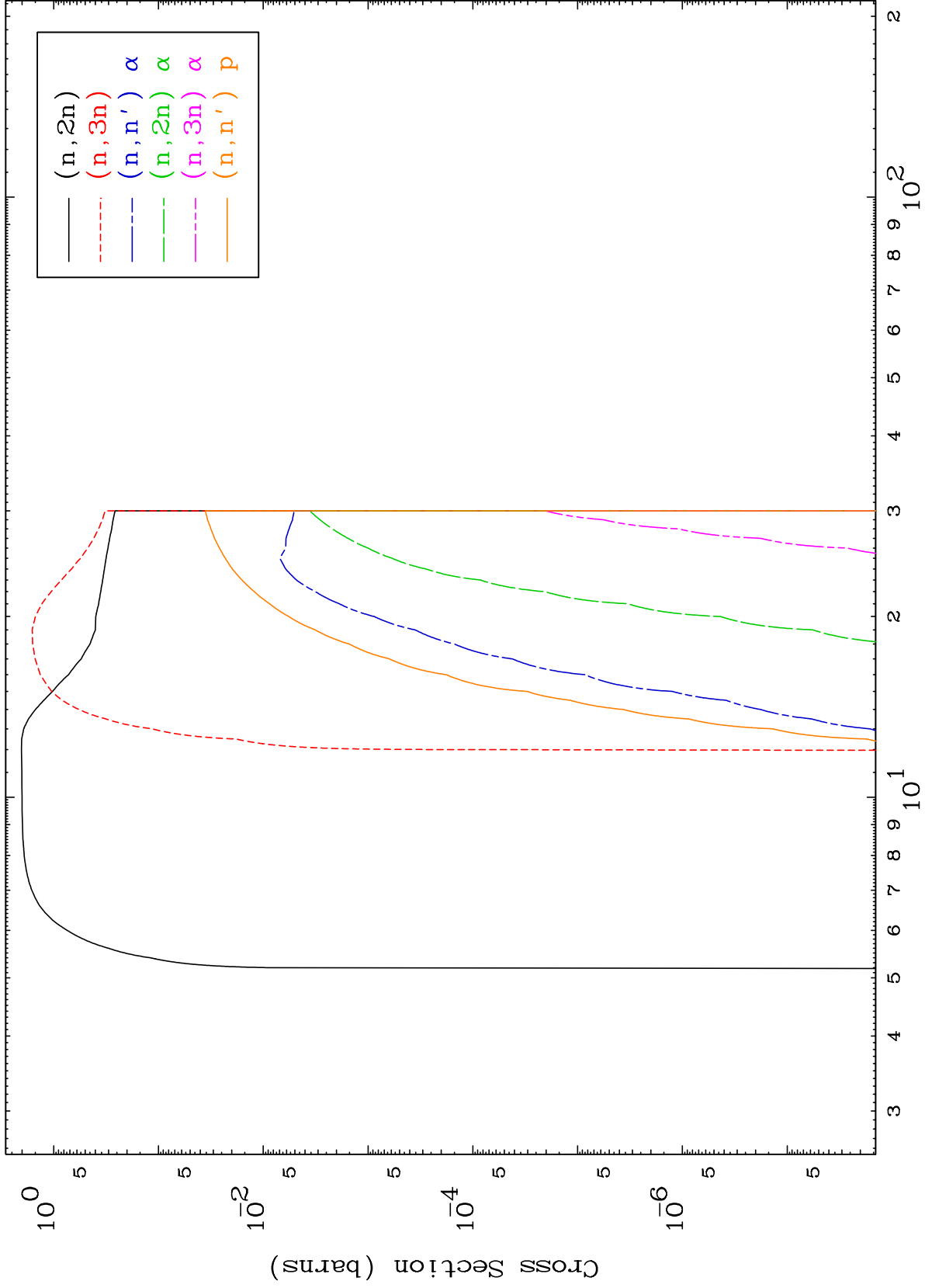
MAT 6177

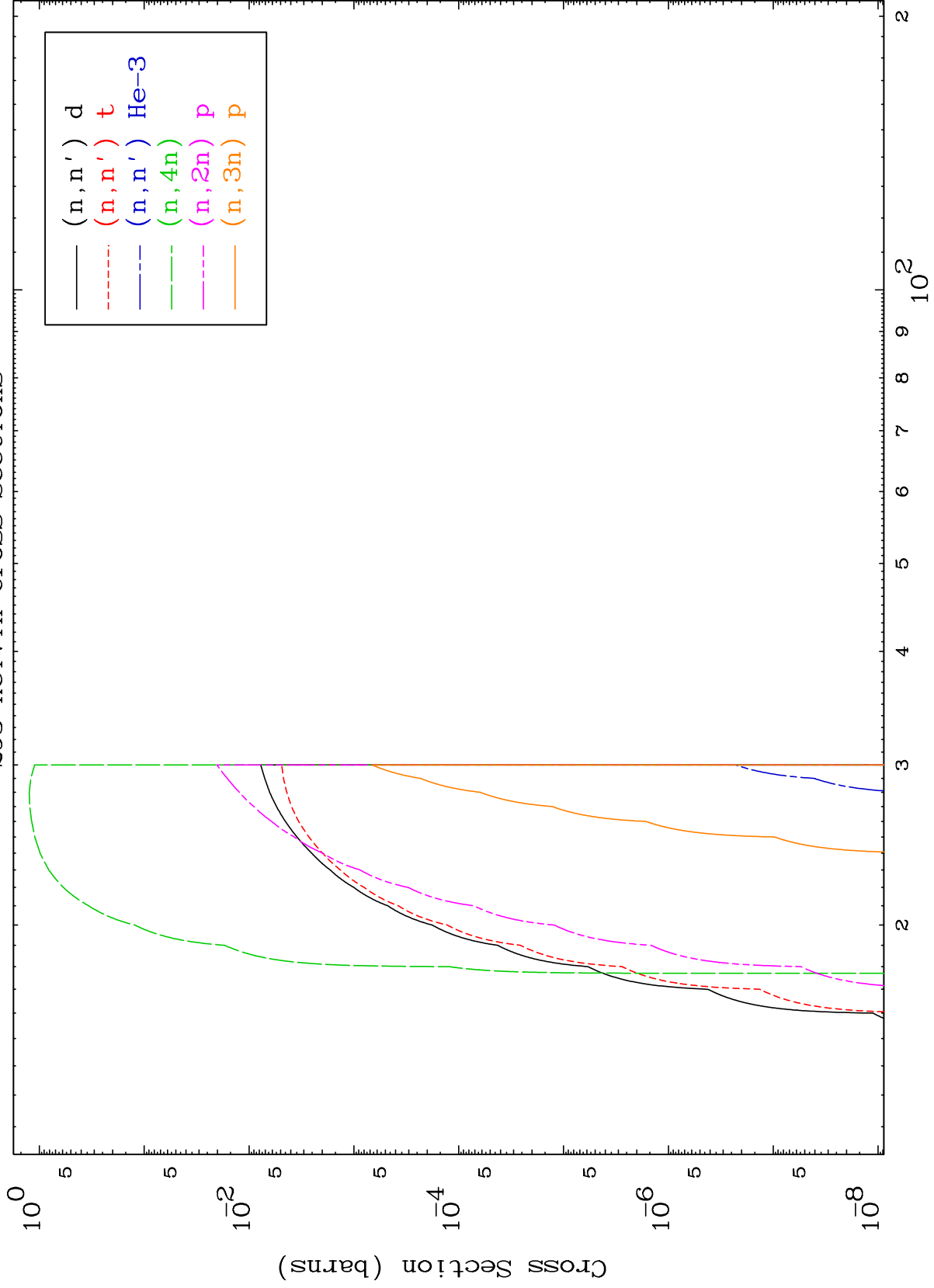
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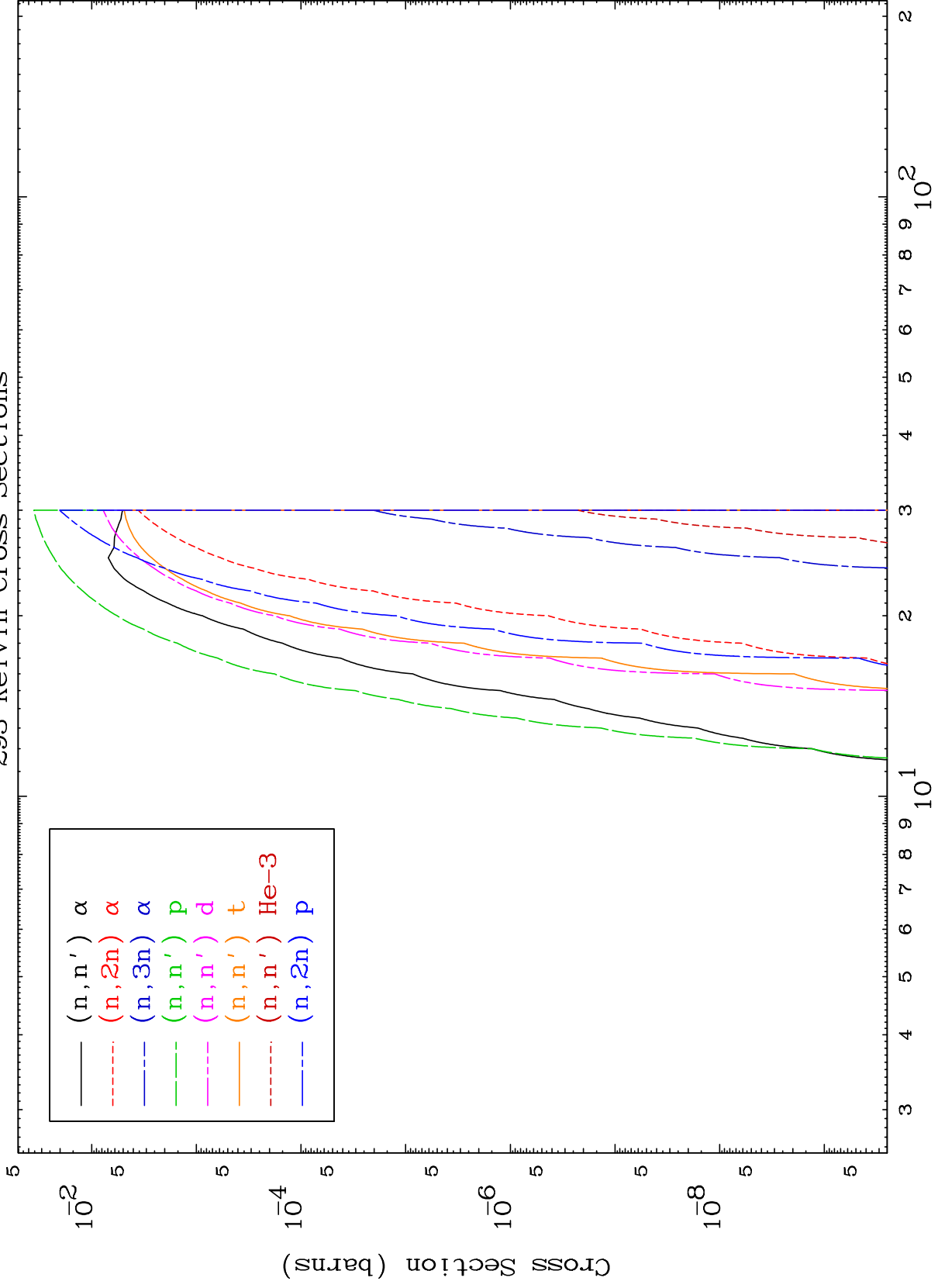
293 Kelvin Cross Sections

61-Pm-156





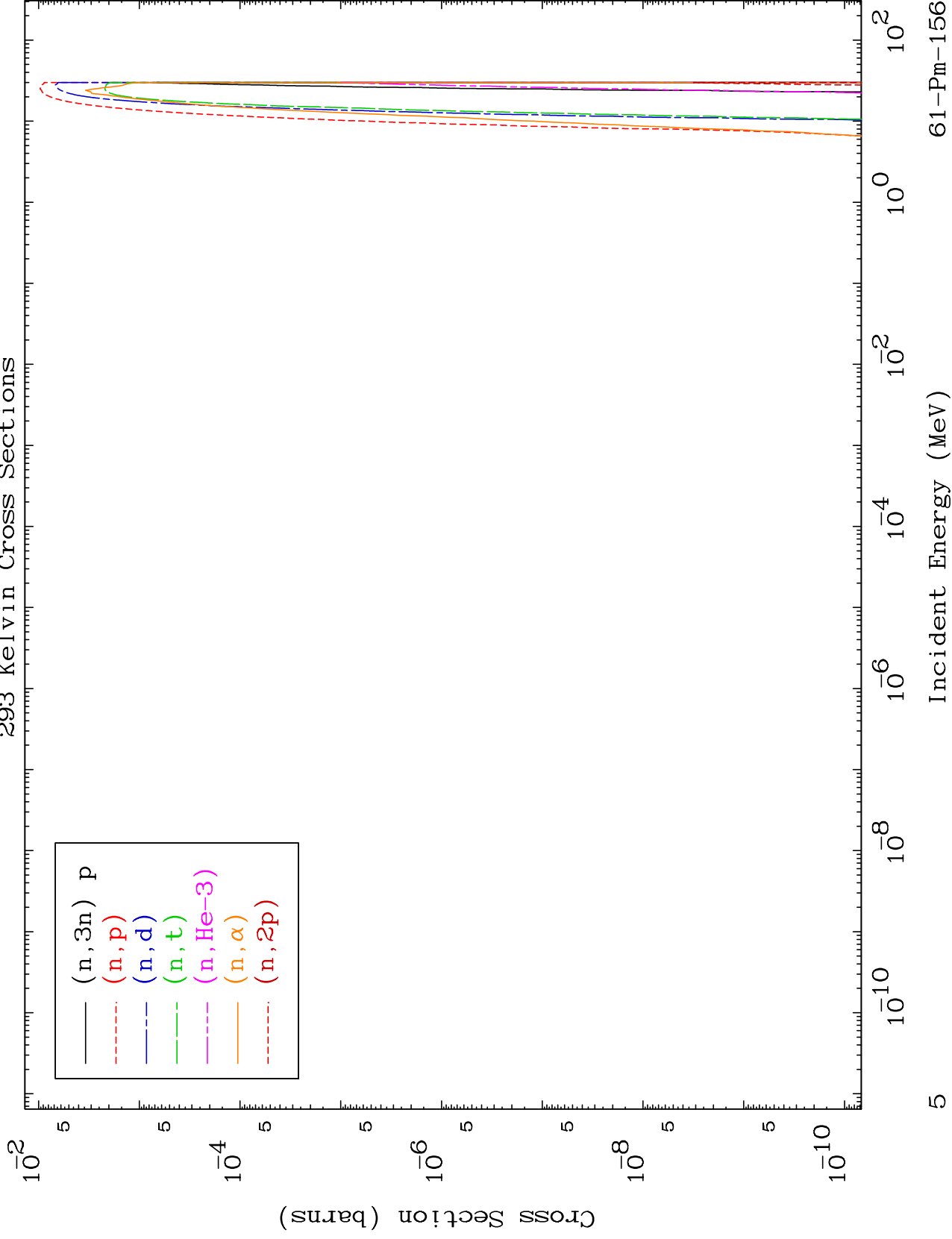




MAT 6177

Charged Particle
293 Kelvin Cross Sections

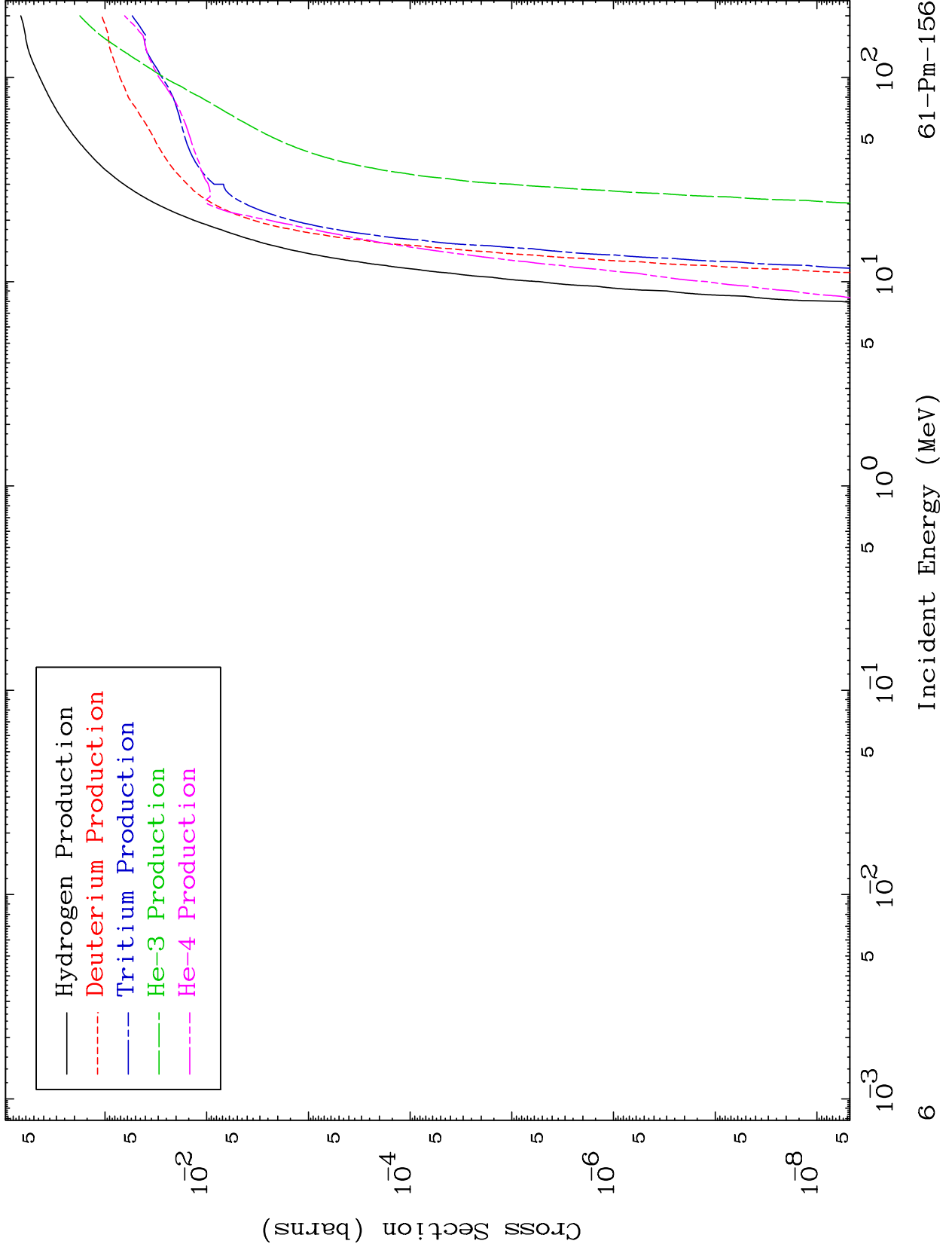
61-Pm-156



MAT 6177

Particle Production
293 Kelvin Cross Sections

61-Pm-156



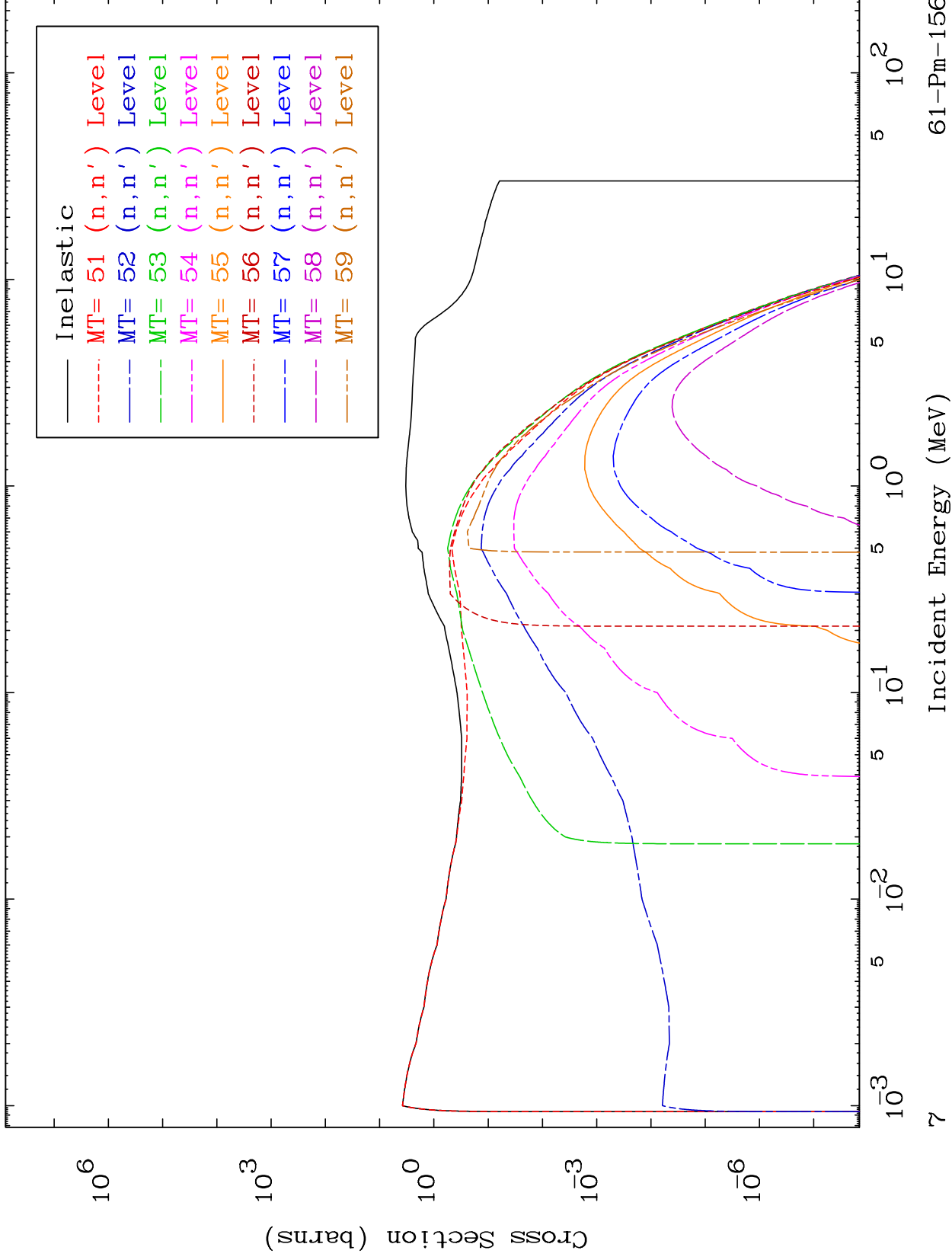
6

MAT 6177

(n,n') Level

61-Pm-156

293 Kelvin Cross Sections



61-Pm-156

Incident Energy (MeV)

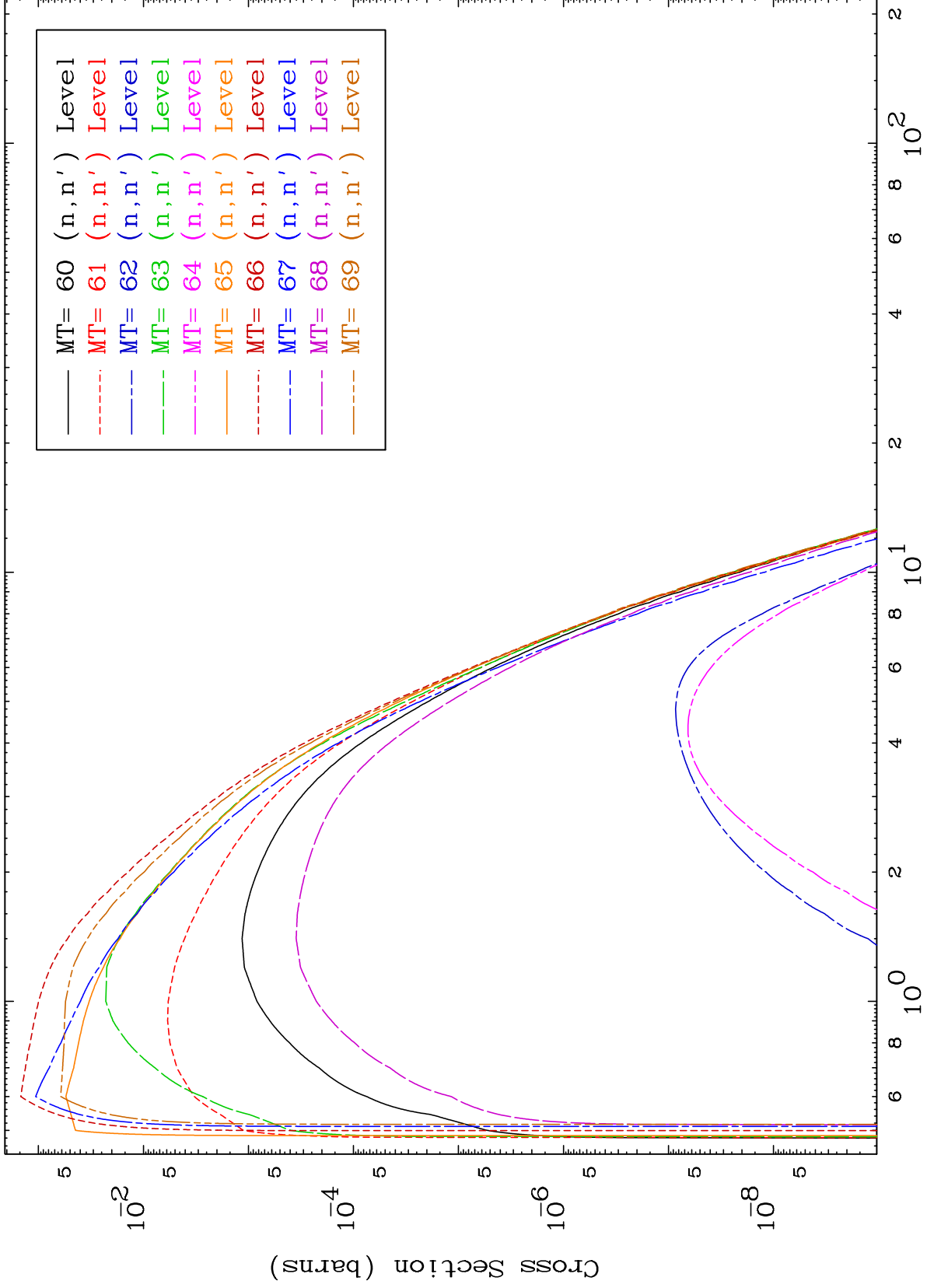
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(n,n') Level

61-Pm-156

293 Kelvin Cross Sections

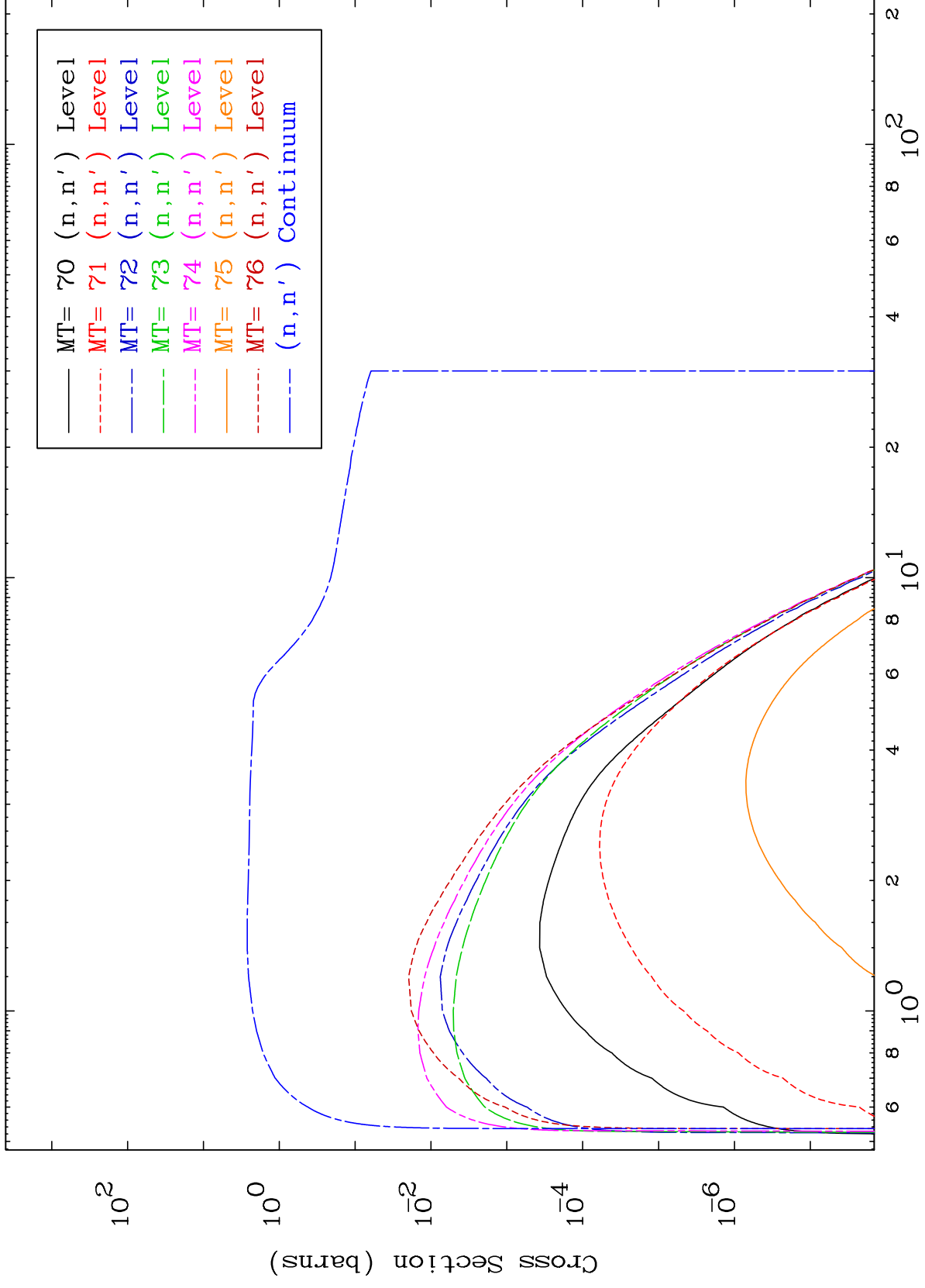


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Incident Energy (MeV)

61-Pm-156

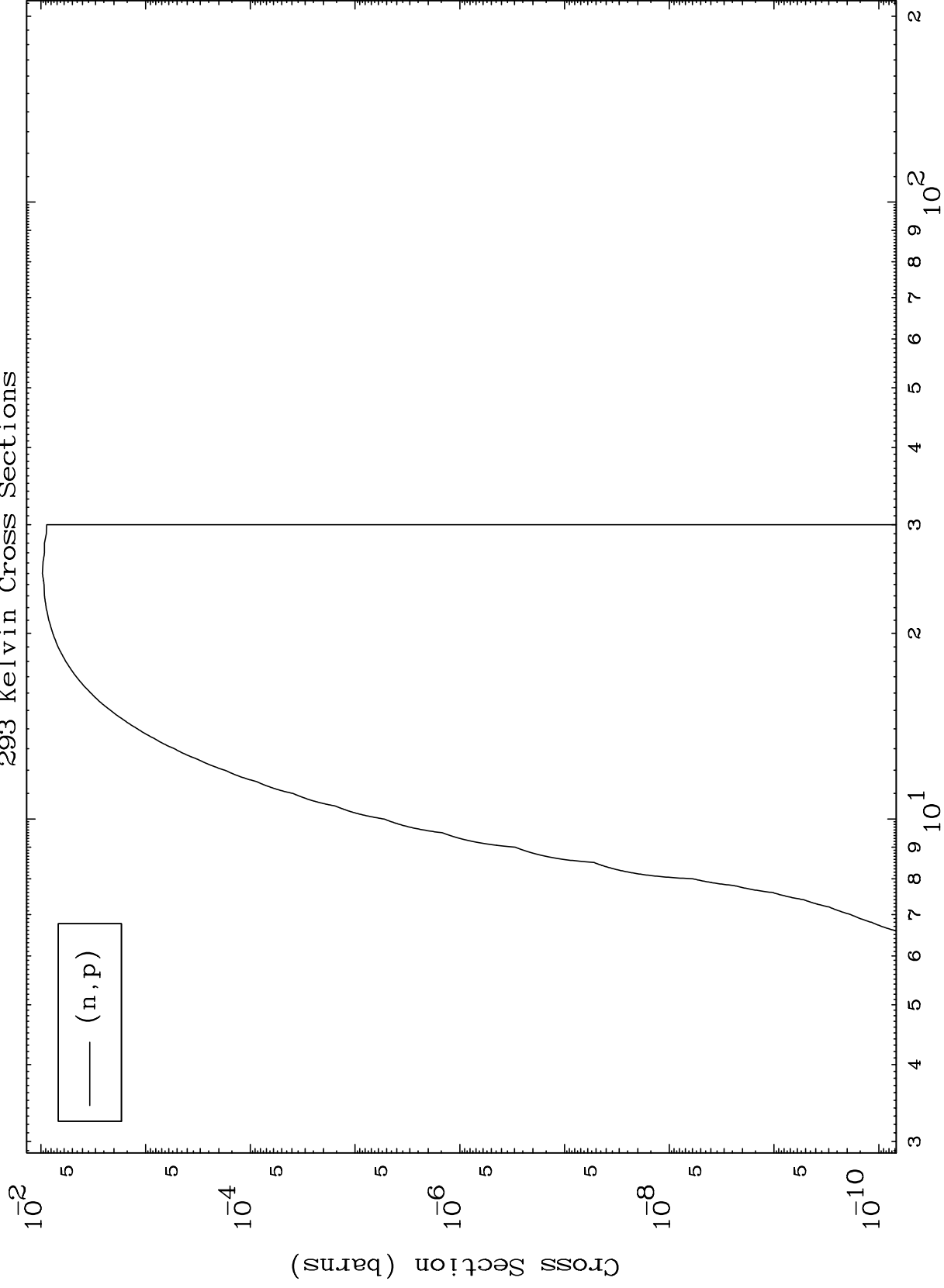
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

61-Pm-156



Incident Energy (MeV)

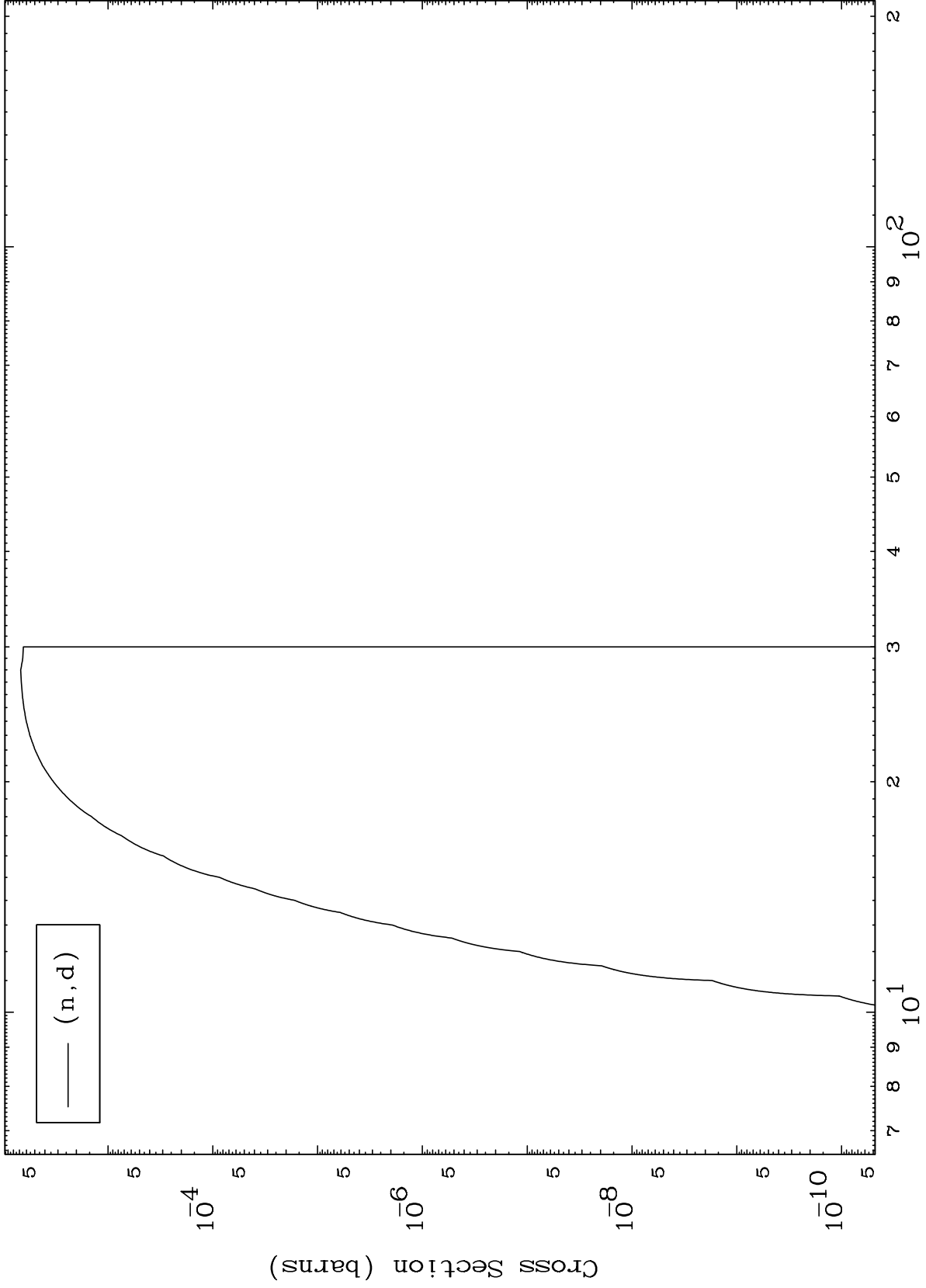
61-Pm-156

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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-156



11

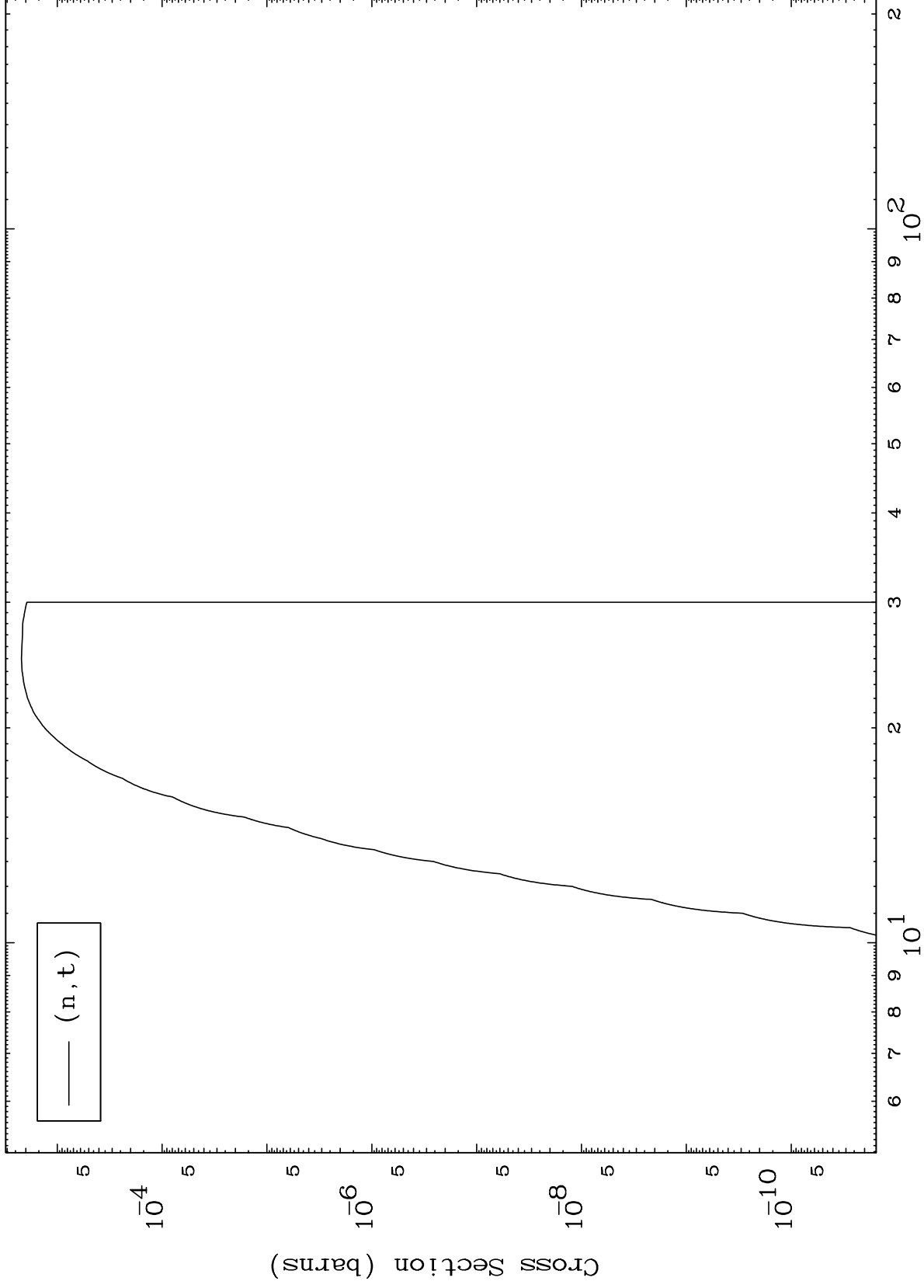
Incident Energy (MeV)

61-Pm-156

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(n,t) Levels
293 Kelvin Cross Sections

61-Pm-156



12

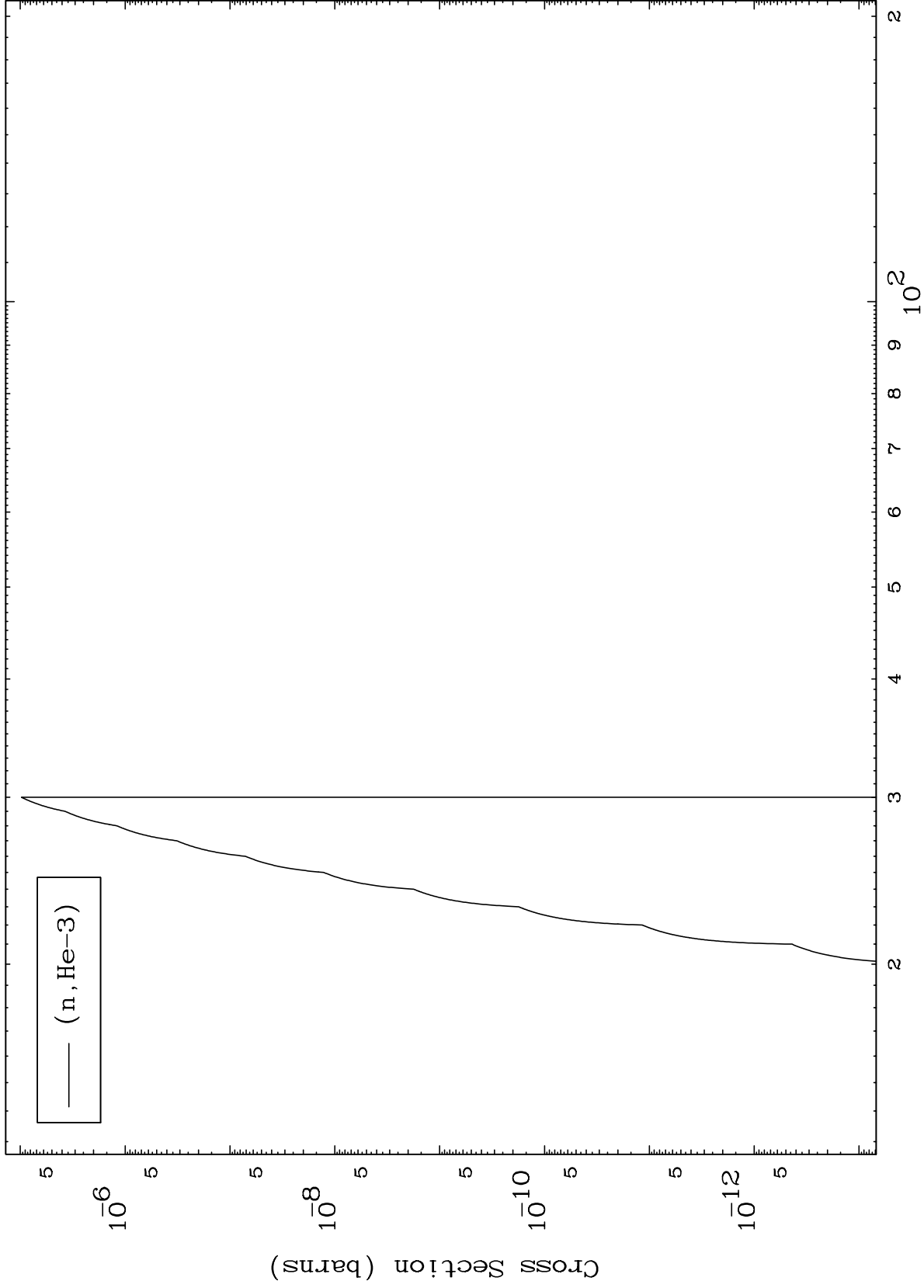
Incident Energy (MeV)

61-Pm-156

MAT 6177

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-156



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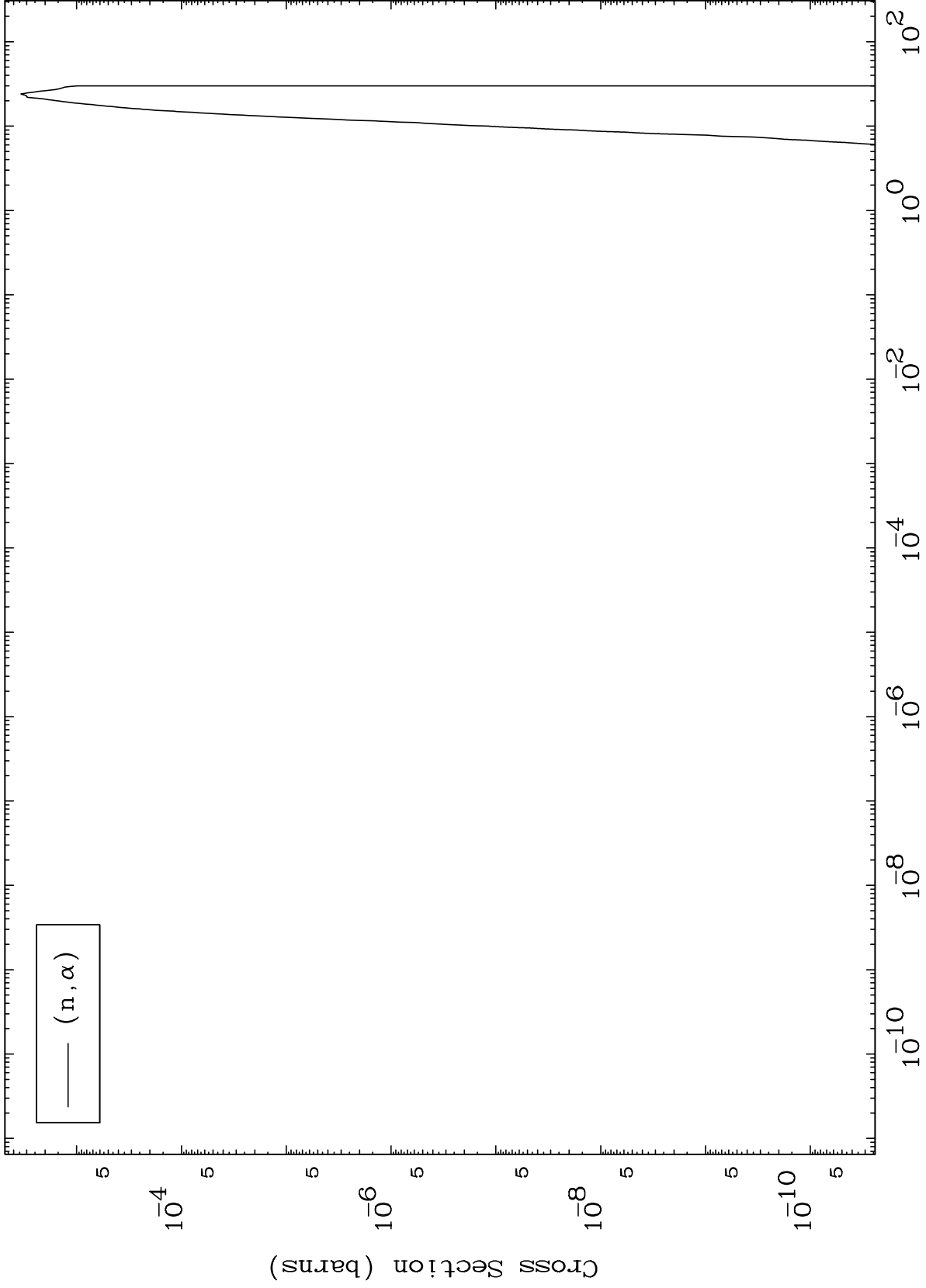
Incident Energy (MeV)

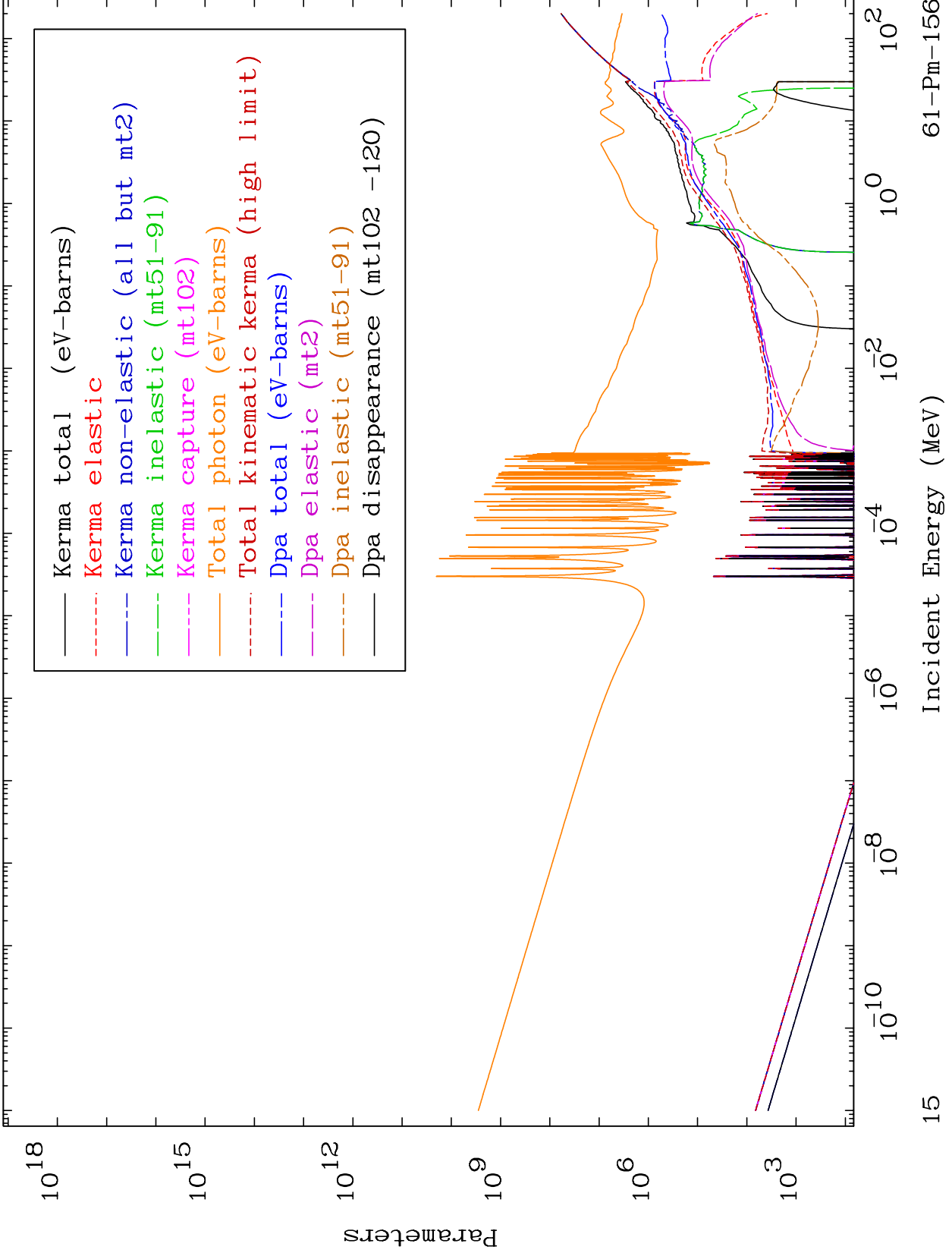
61-Pm-156

MAT 6177

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-156

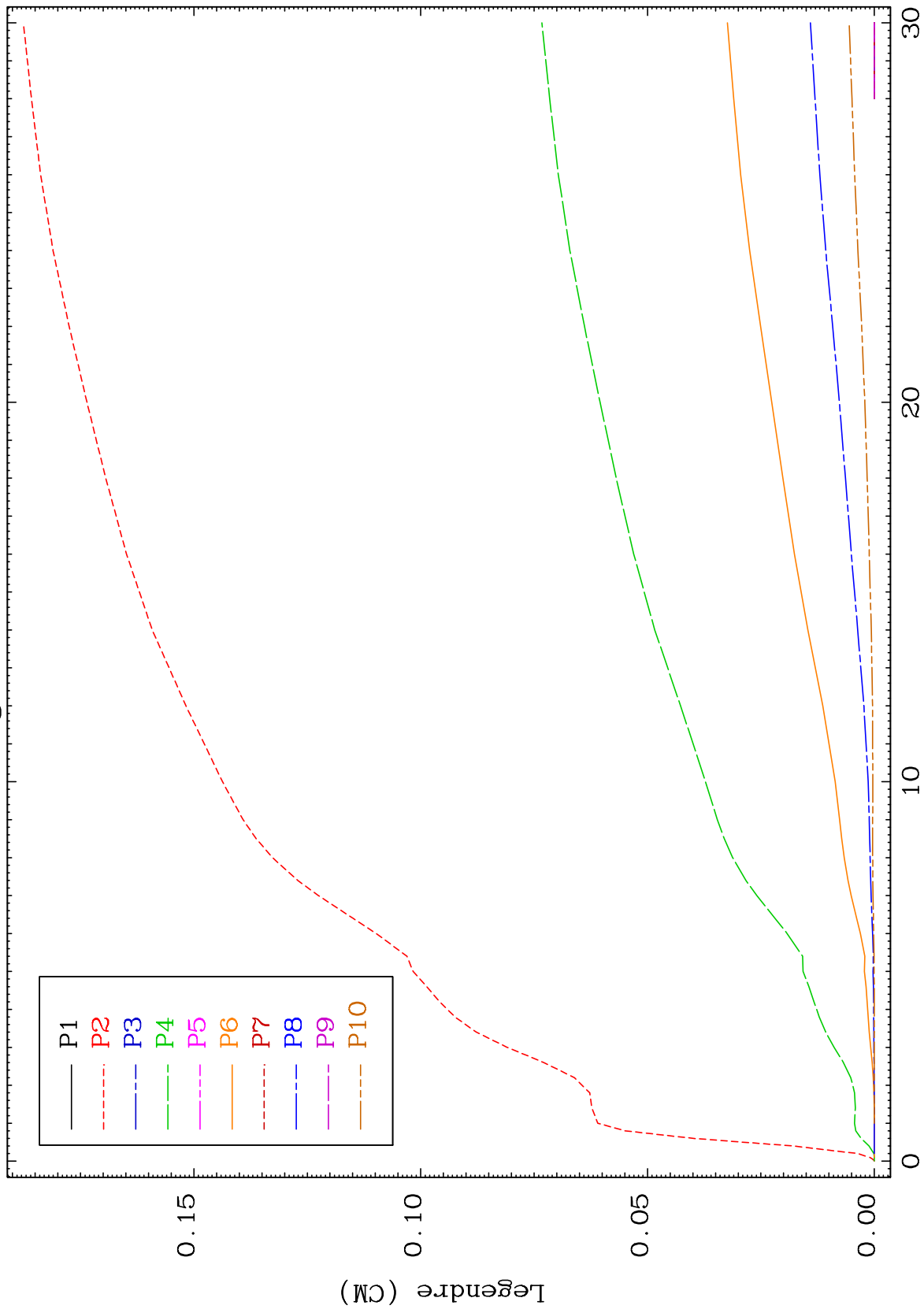




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Elastic
Legendre Coefficients

61-Pm-156



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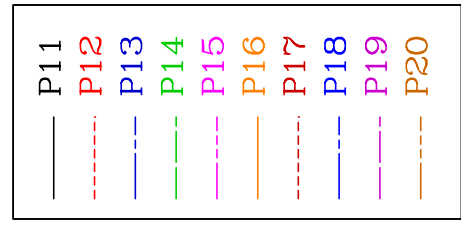
Incident Energy (MeV)

61-Pm-156

MAT 6177

Elastic
Legendre Coefficients

61-Pm-156



$\times 10^{-3}$

1.5

1.0

0.5

0.0

Legendre (CM)

5

10

15

20

25

30

17

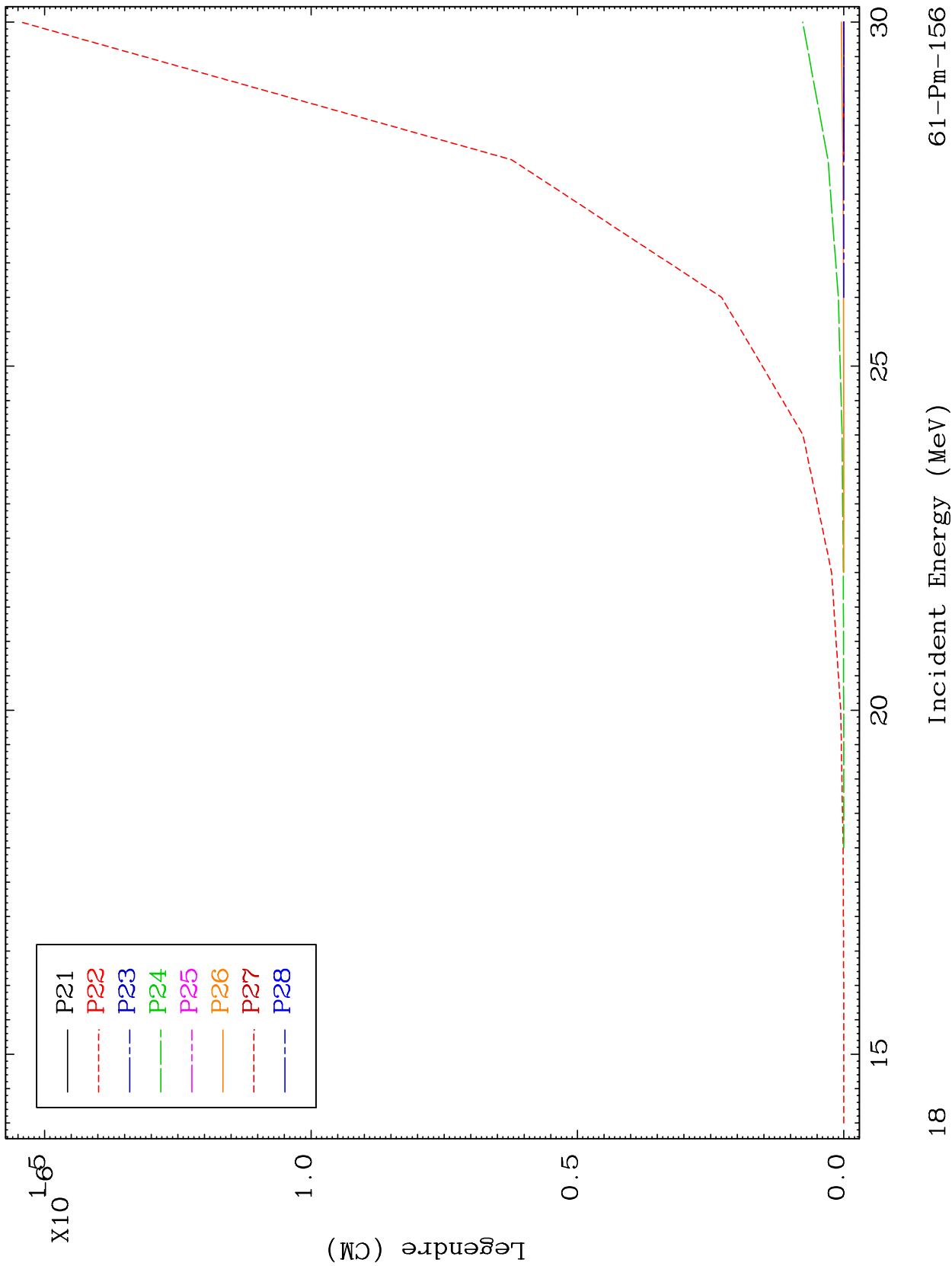
Incident Energy (MeV)

61-Pm-156

MAT 6177

Elastic Legendre Coefficients

61-Pm-156

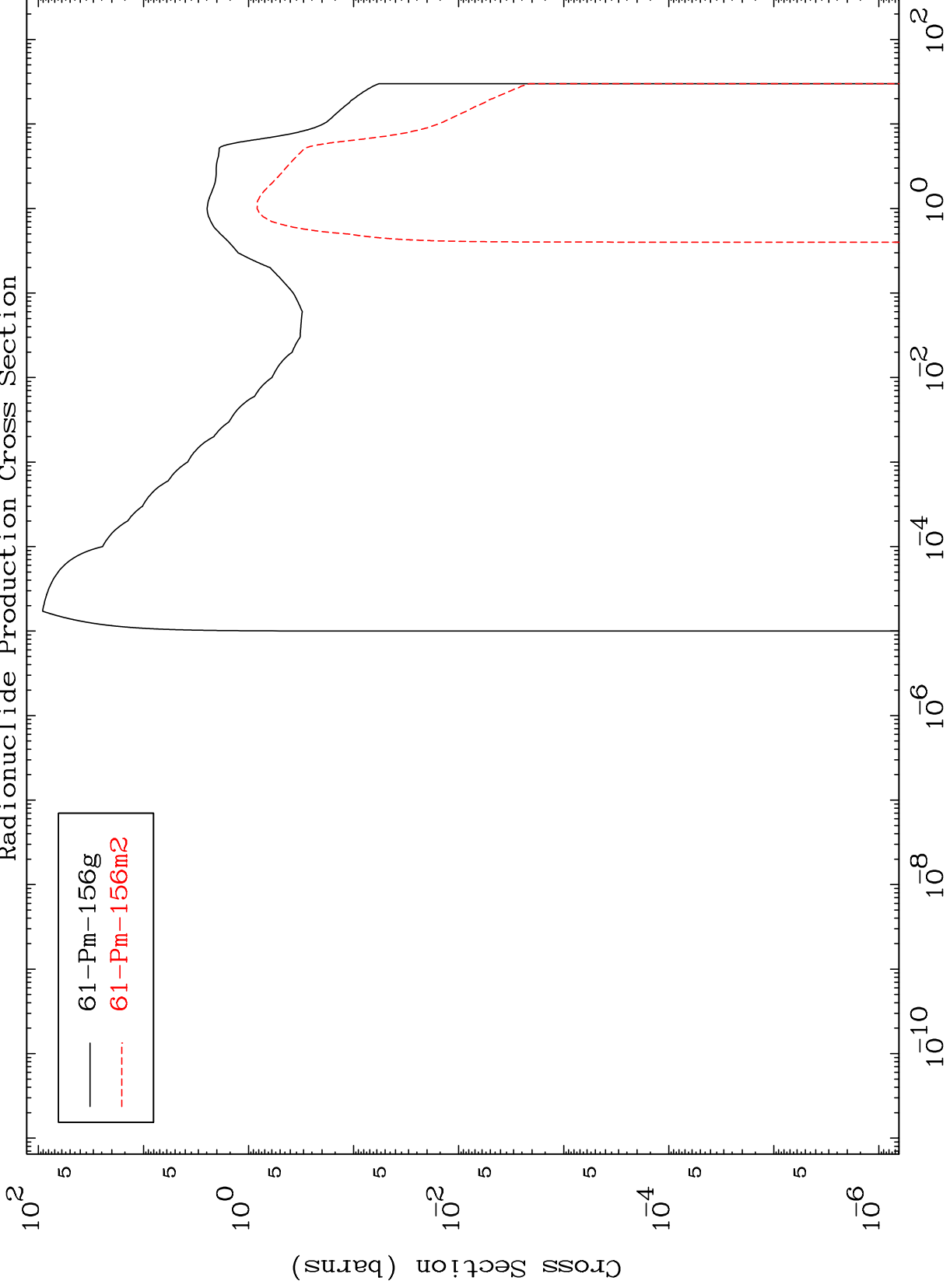


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Inelastic
Radionuclide Production Cross Section

61-Pm-156

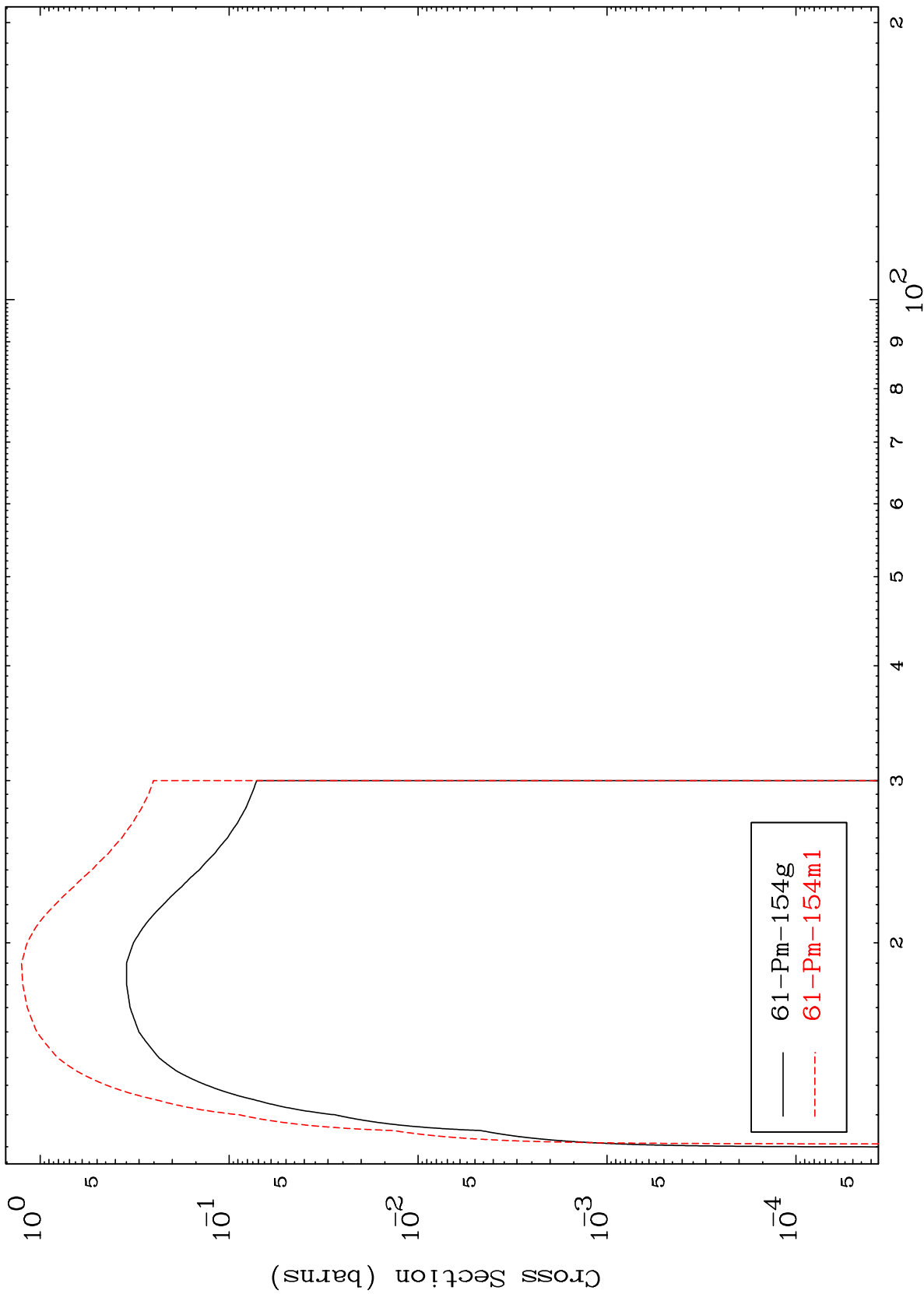


61-Pm-156g
61-Pm-156m2

MAT 61777

61-Pm-156

(n,3n)
Radionuclide Production Cross Section



61-Pm-156

Incident Energy (MeV)

20