

Program EVALPLOT
(Version 2015-2)

by

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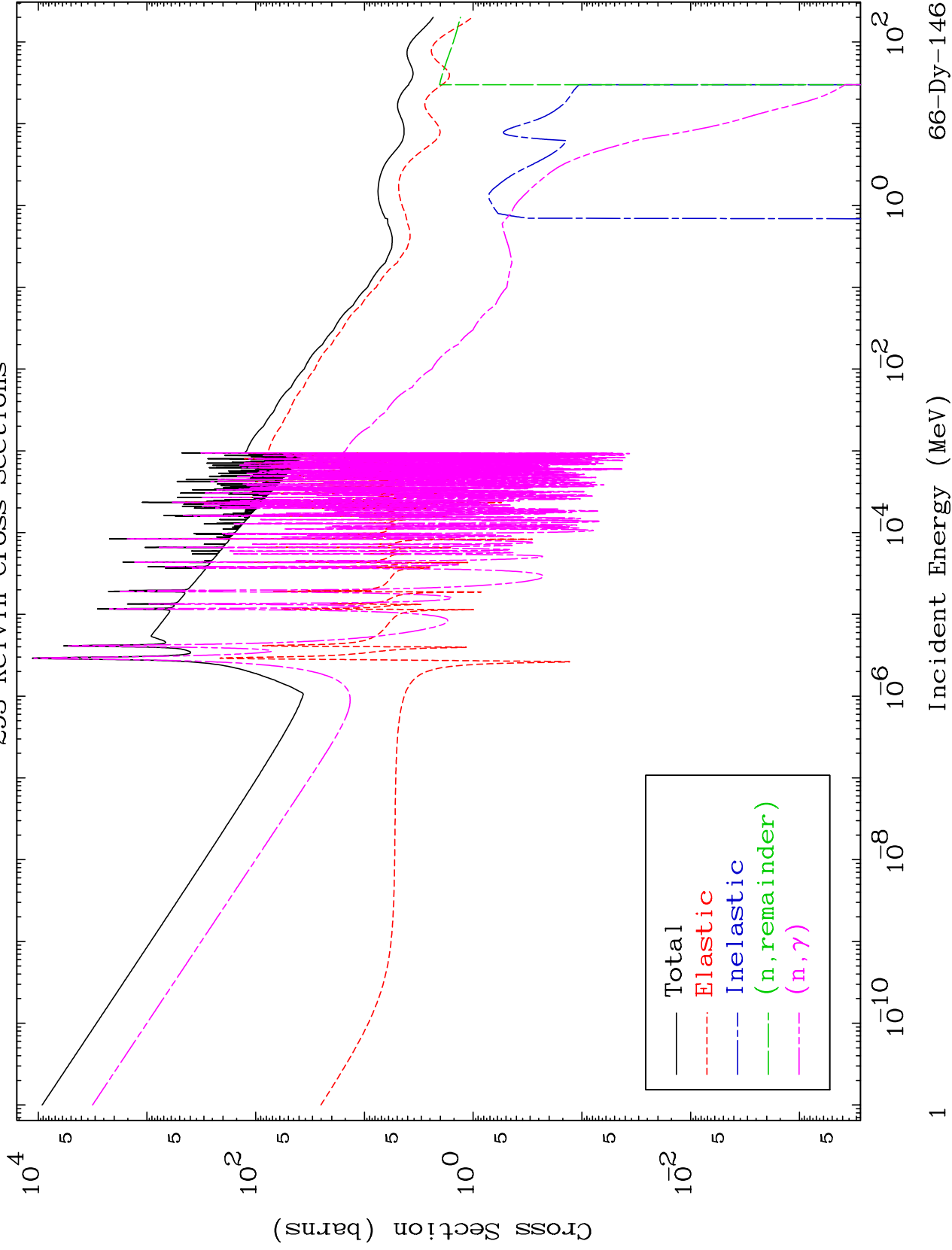
Press Mouse Button to Start

MAT 6595

Major

293 Kelvin Cross Sections

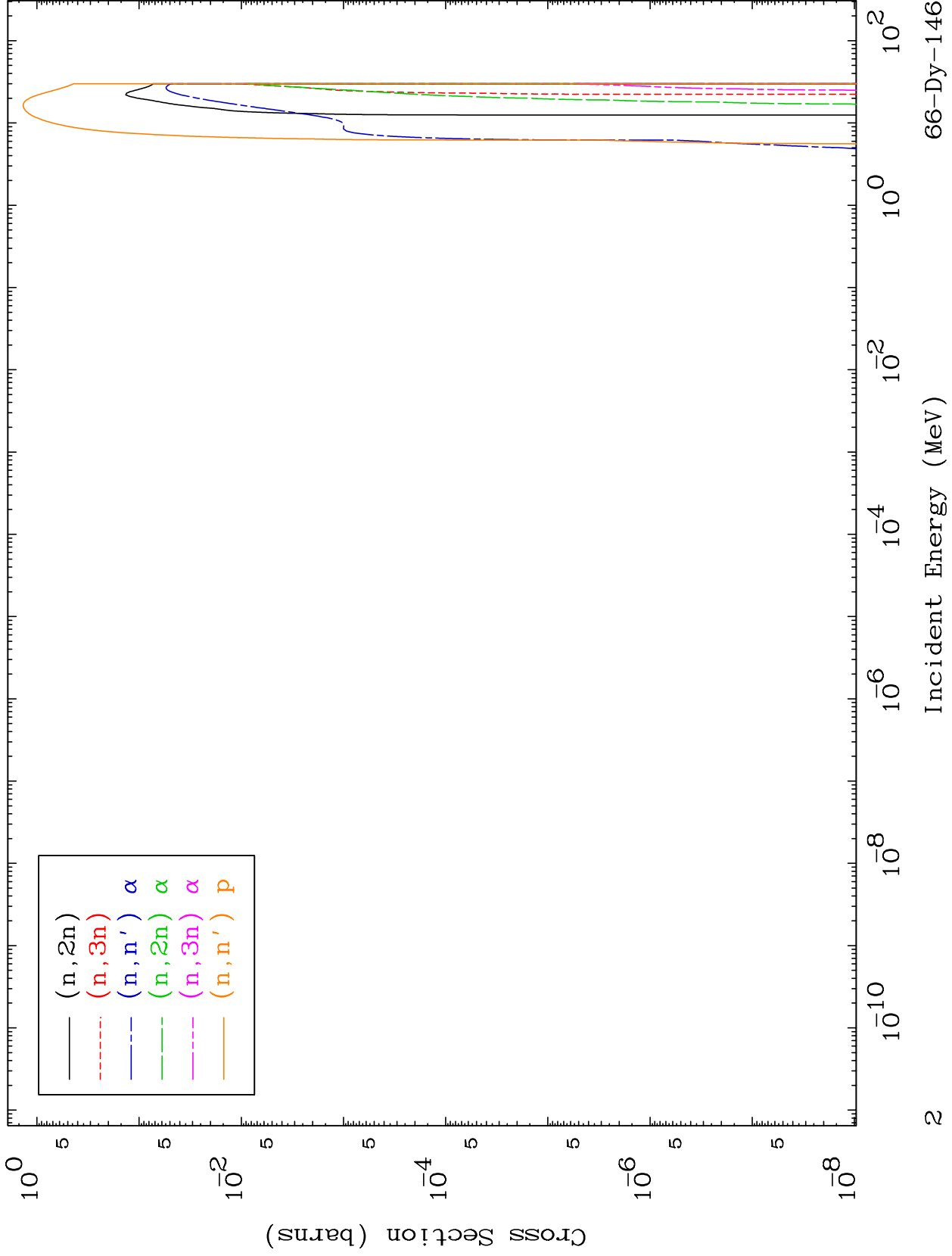
66-Dy-146



MAT 6595

Neutron Production
293 Kelvin Cross Sections

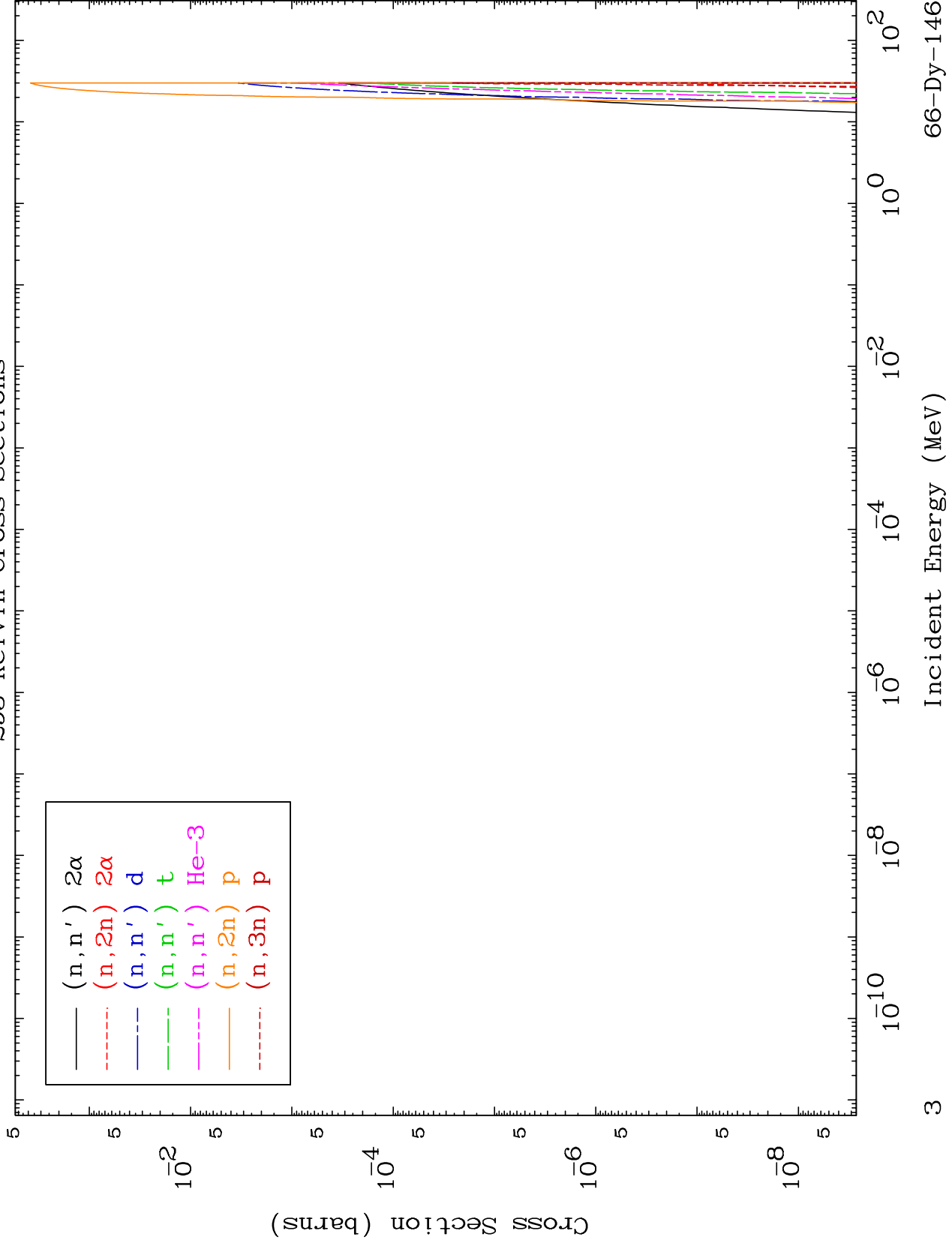
66-Dy-146



MAT 6595

Neutron Production
293 Kelvin Cross Sections

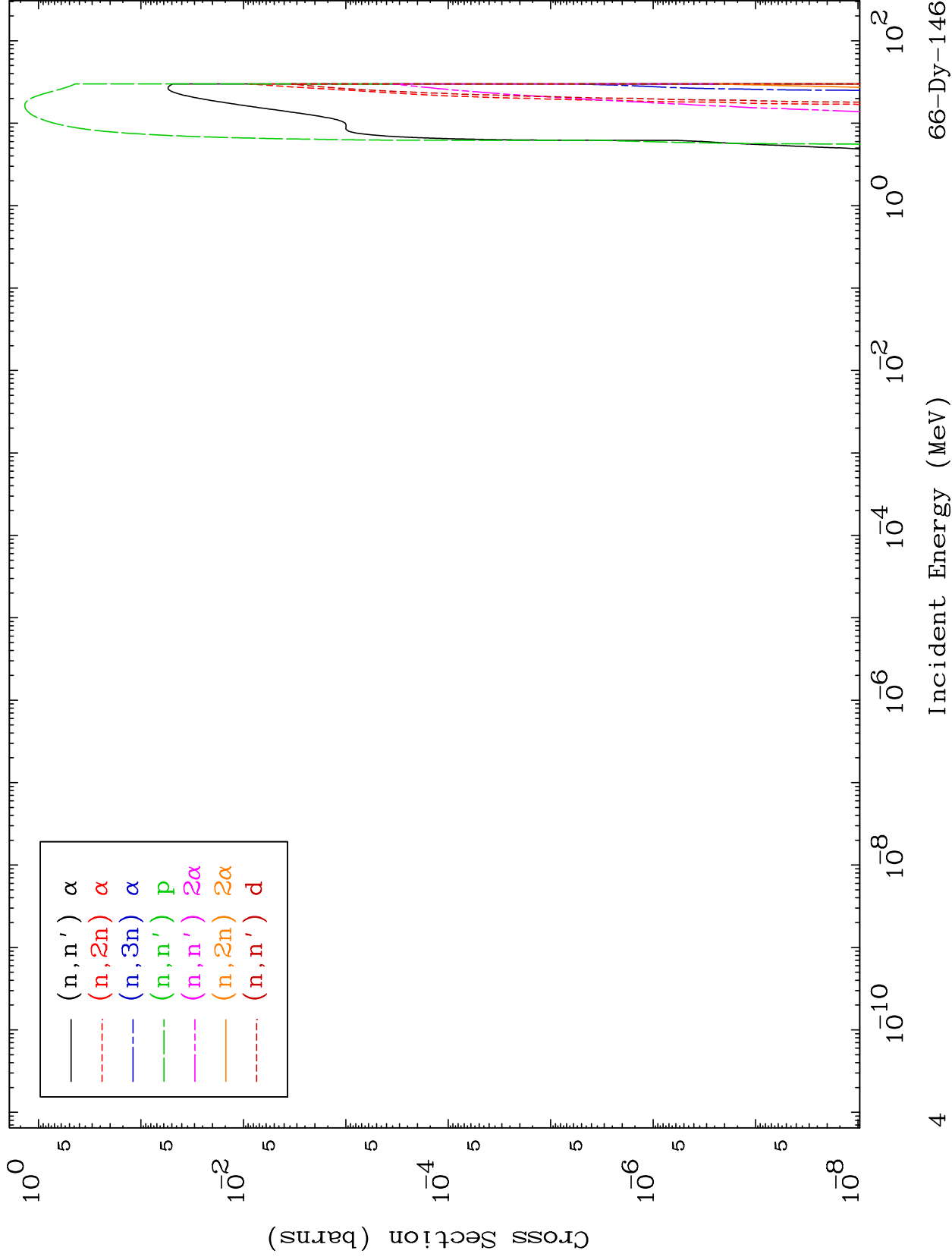
66-Dy-146



MAT 6595

Charged Particle
293 Kelvin Cross Sections

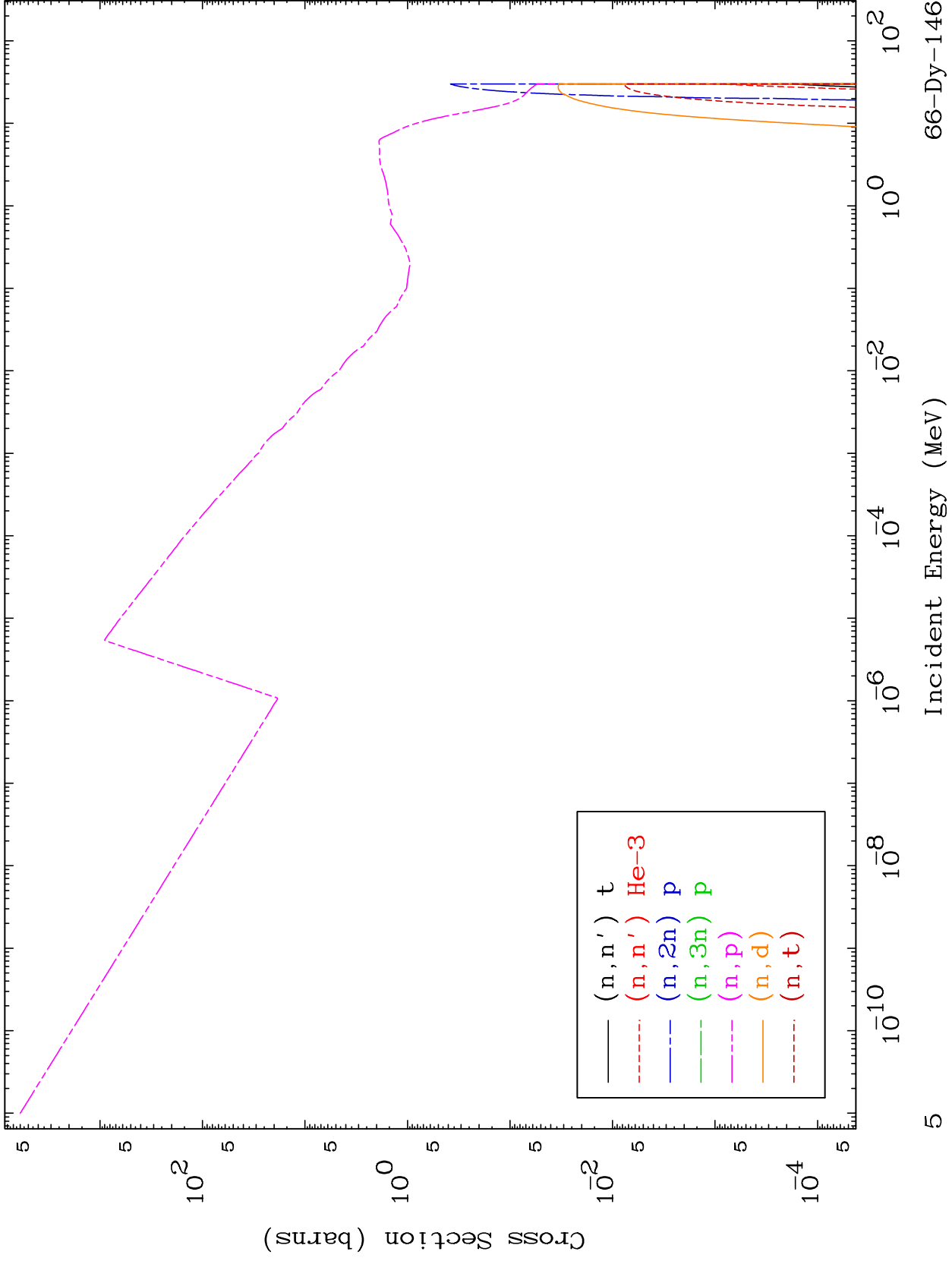
66-Dy-146



MAT 6595

Charged Particle
293 Kelvin Cross Sections

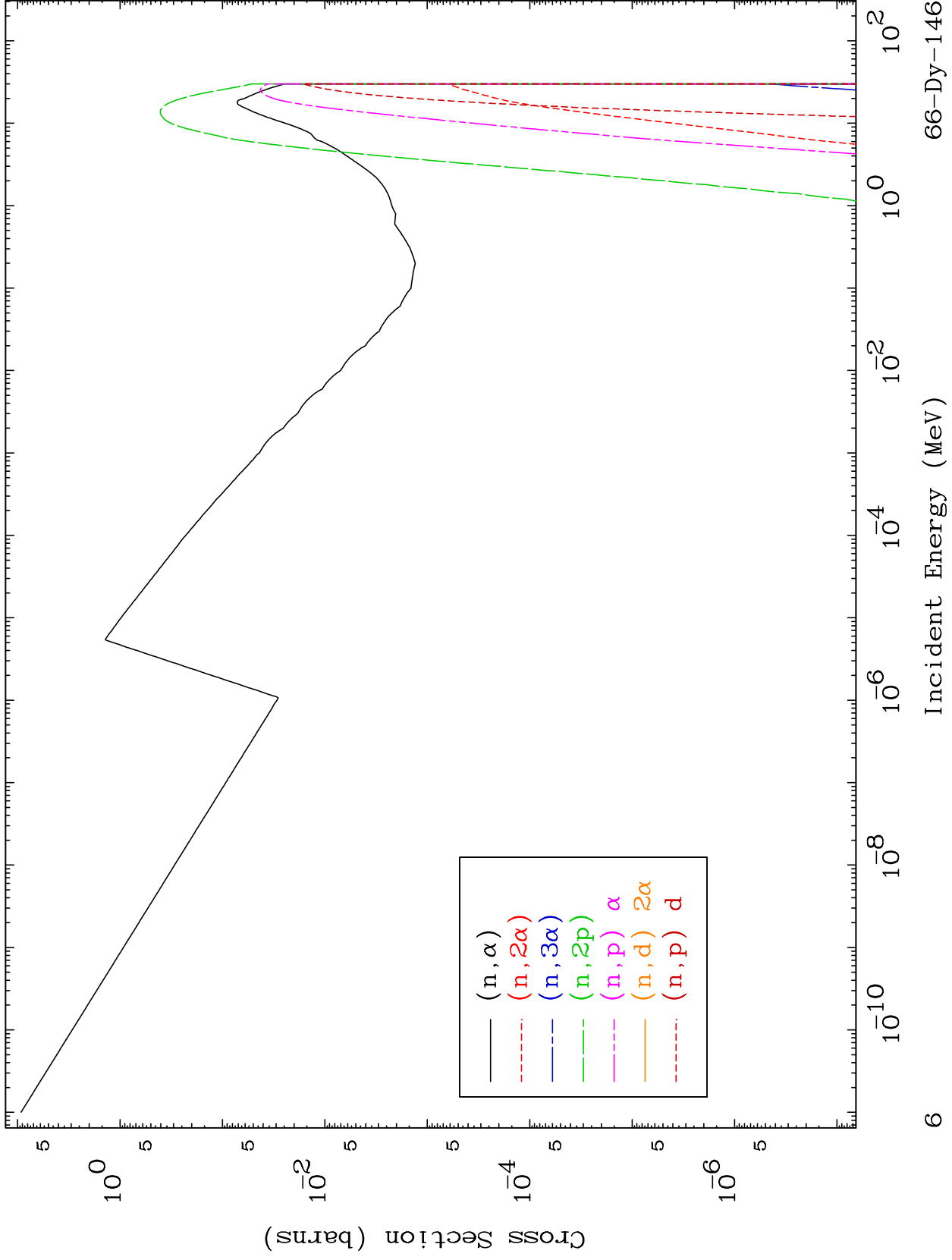
66-Dy-146



MAT 6595

Charged Particle
293 Kelvin Cross Sections

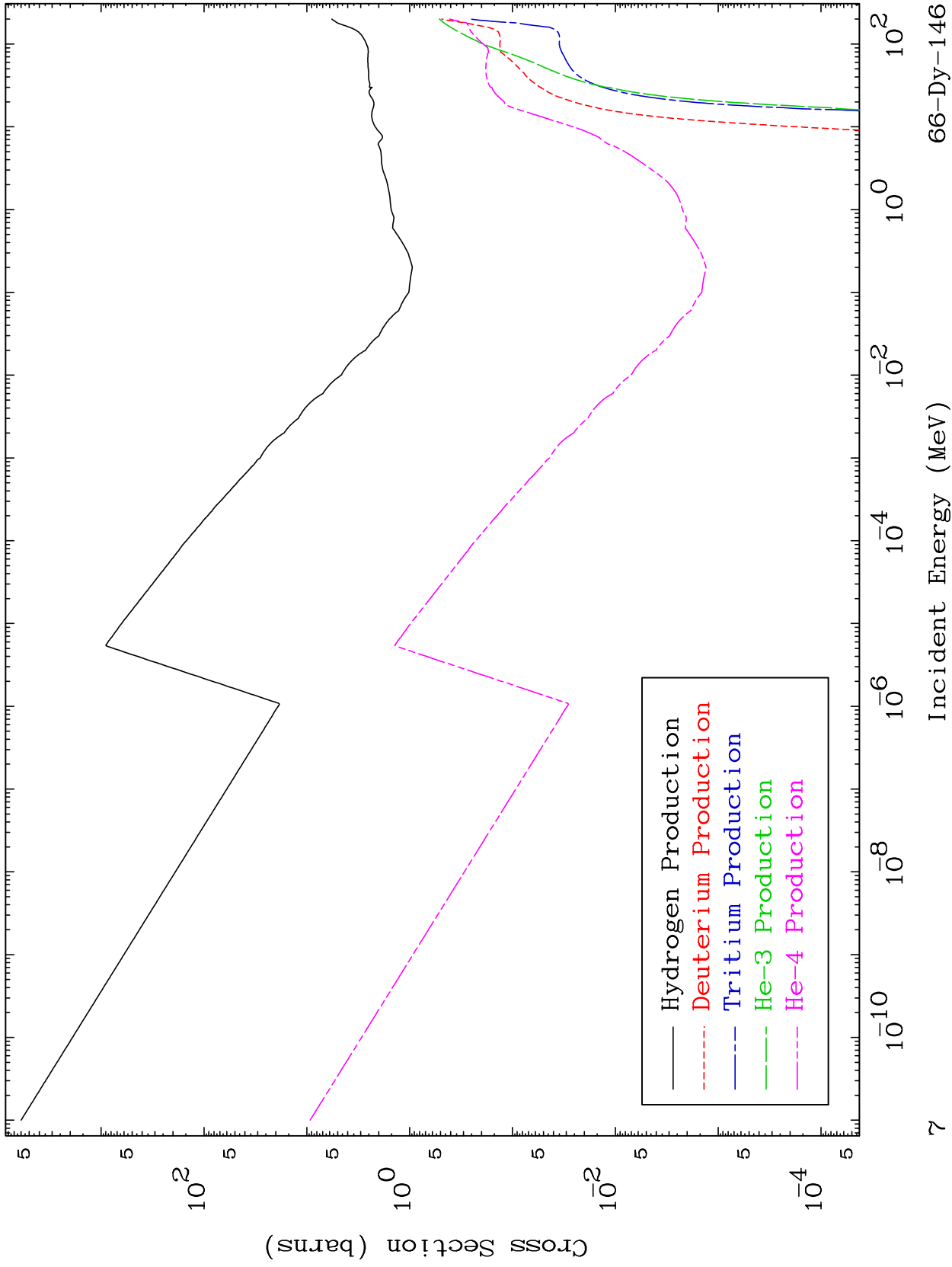
66-Dy-146



MAT 6595

Particle Production
293 Kelvin Cross Sections

66-Dy-146

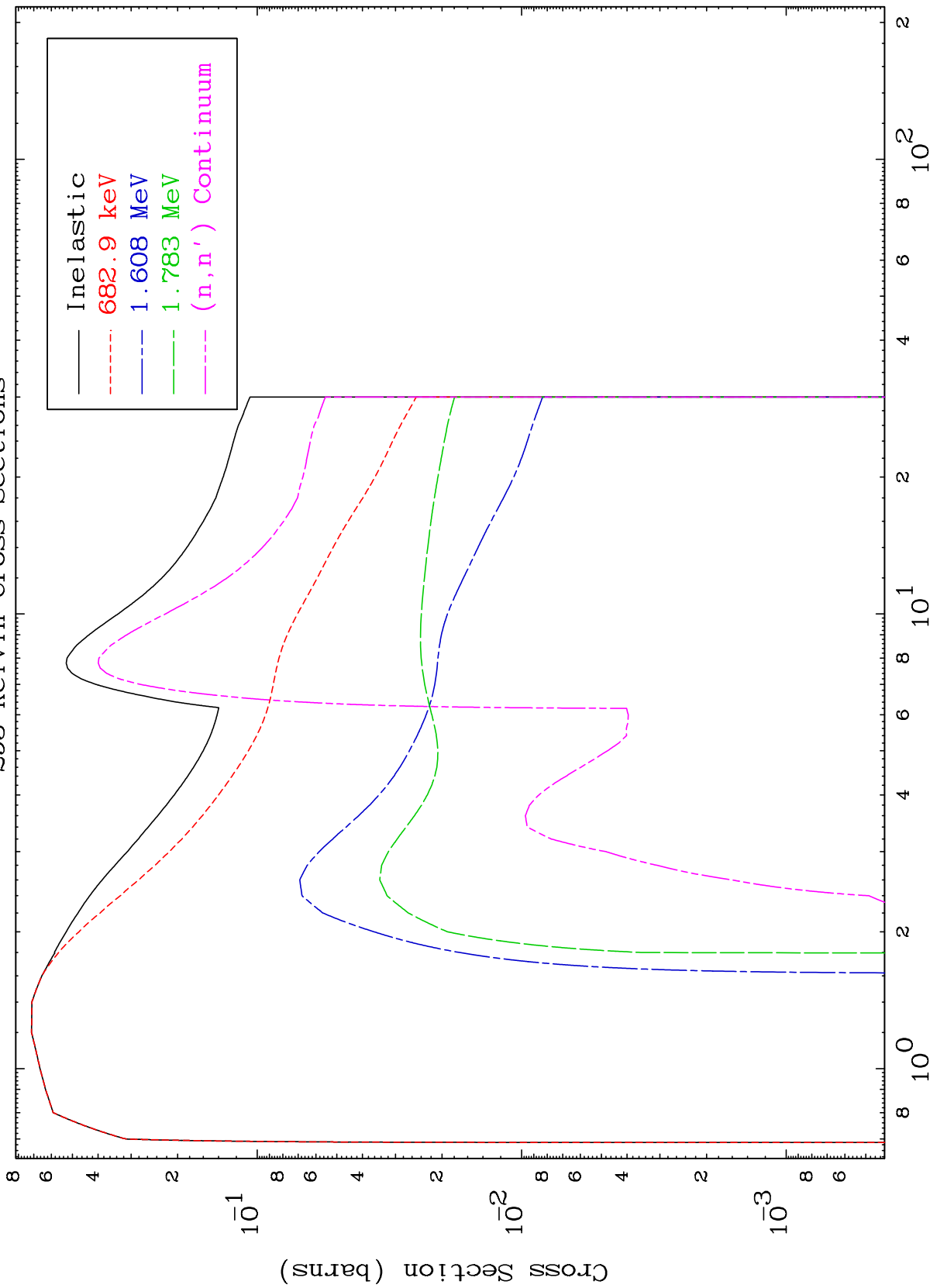


MAT 6595

(n,n') Level

66-Dy-146

293 Kelvin Cross Sections



8

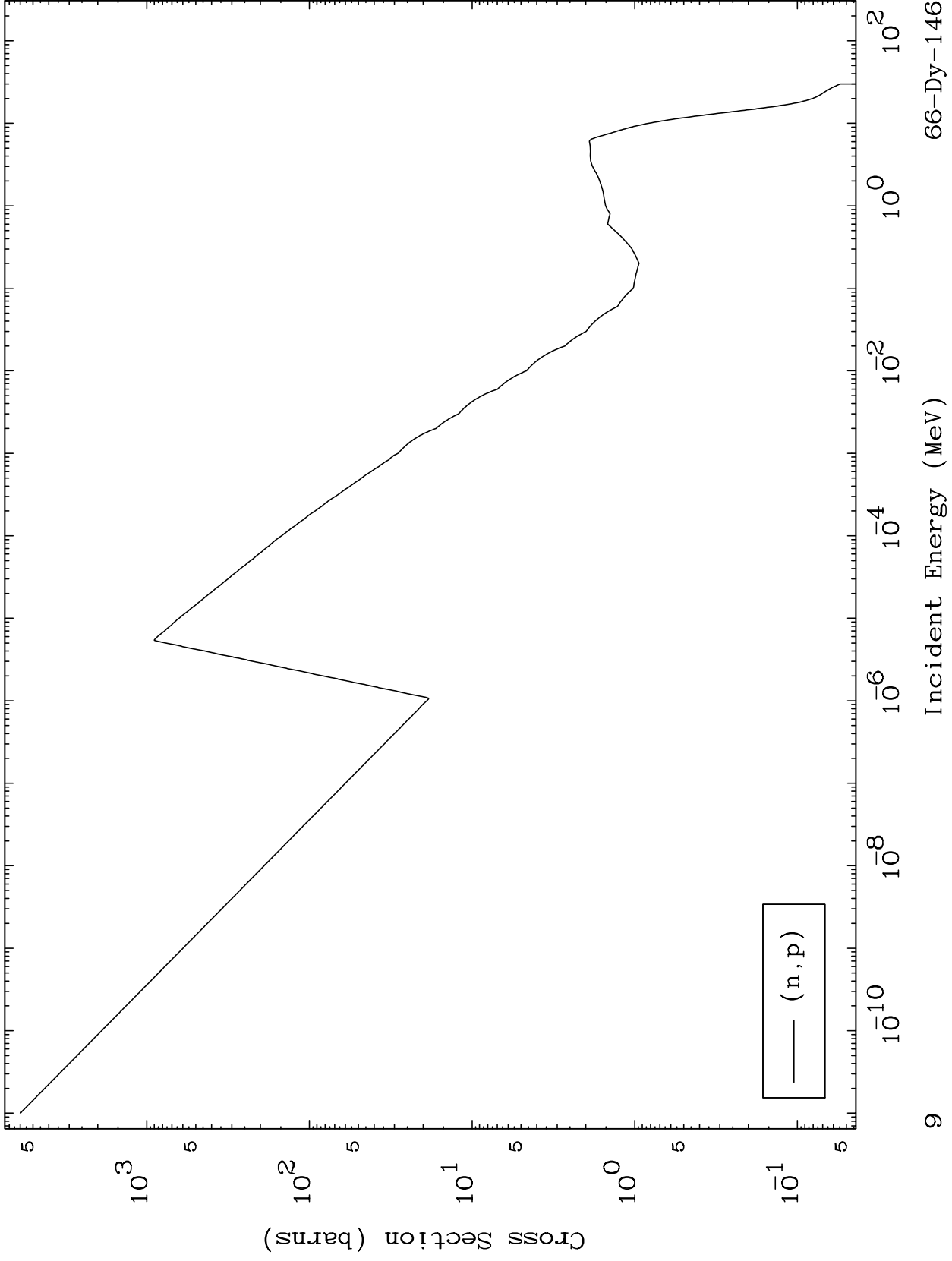
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,p) Levels
293 Kelvin Cross Sections

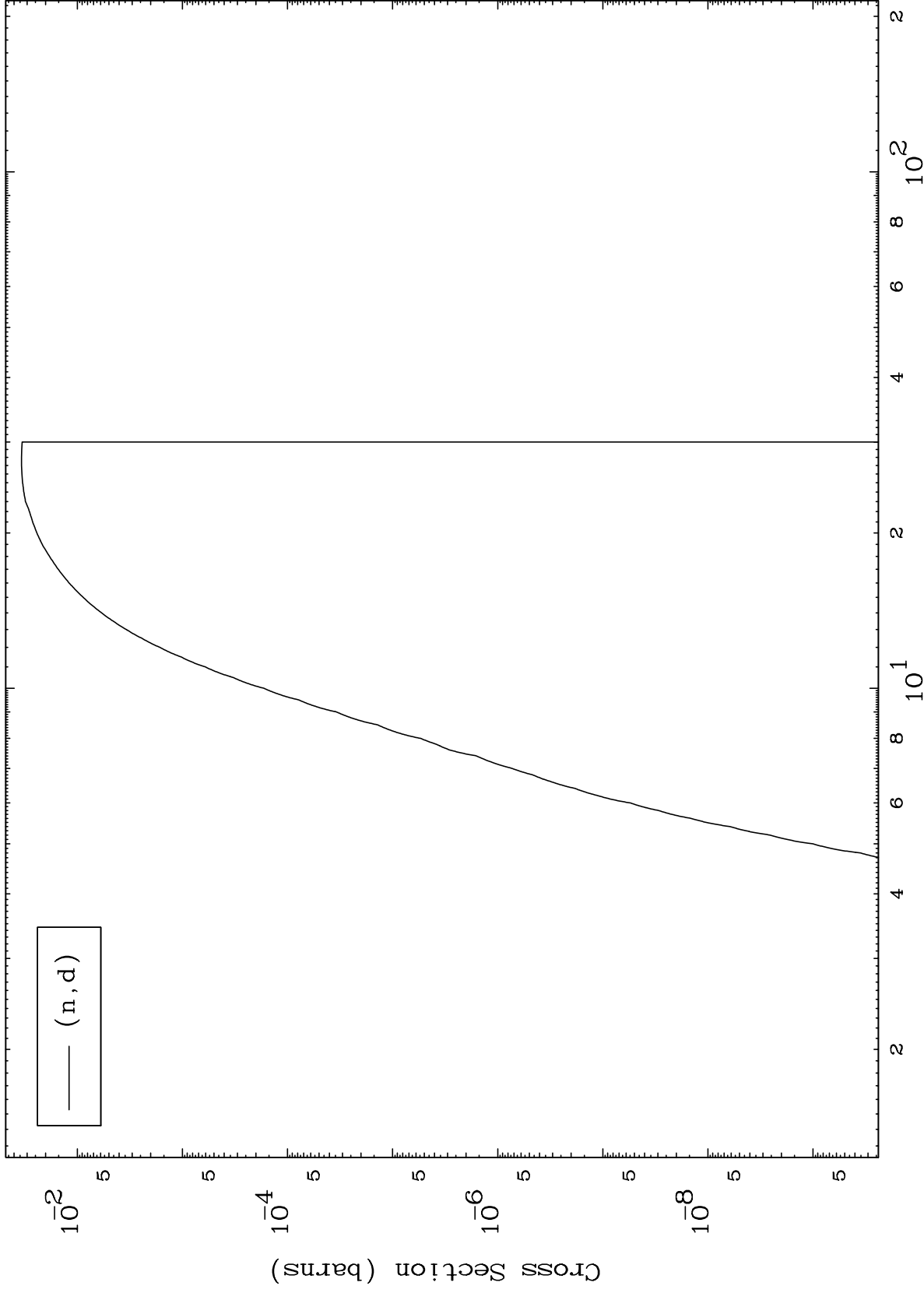
66-Dy-146



MAT 6595

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-146



10

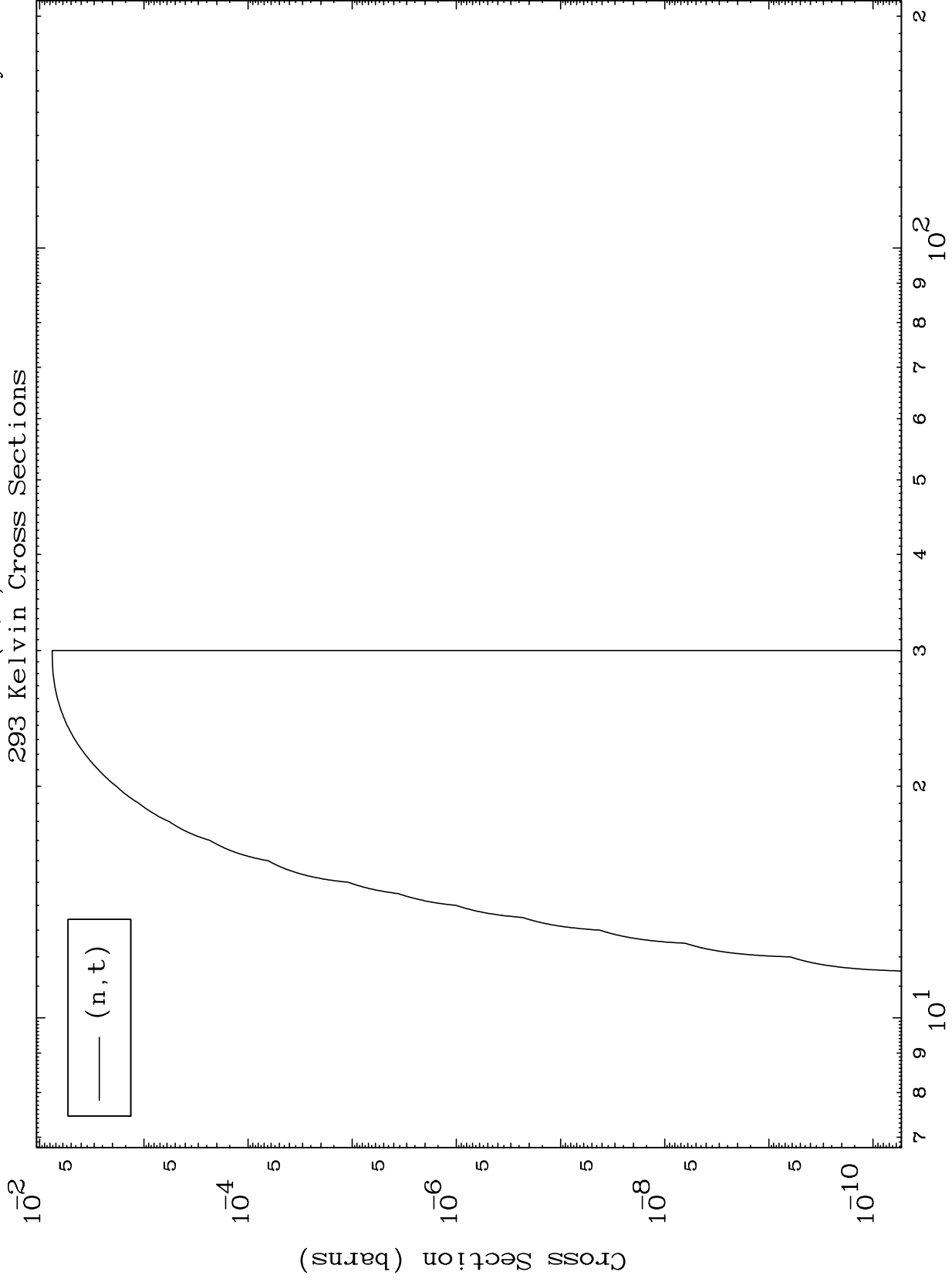
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-146



11

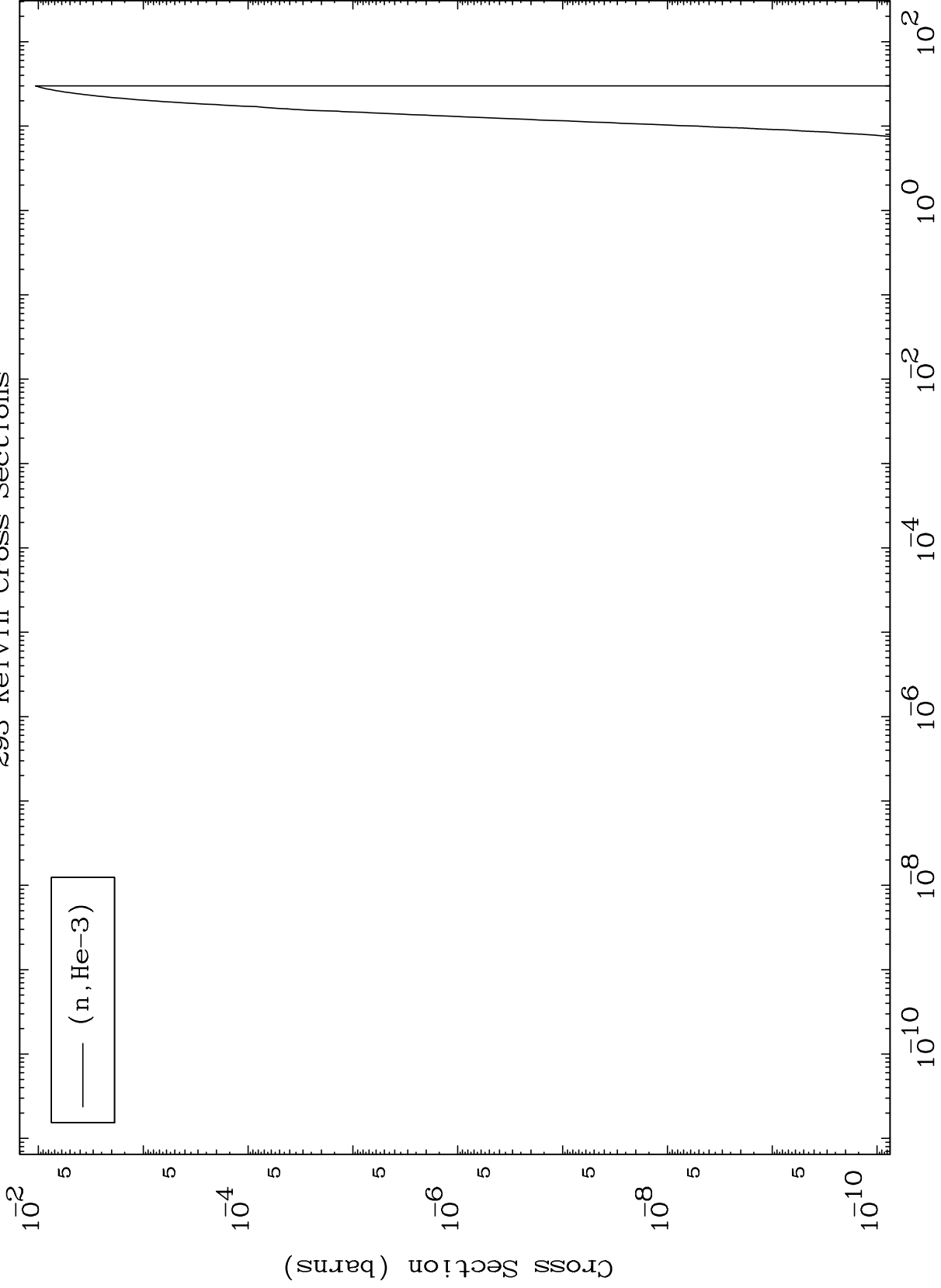
Incident Energy (MeV)

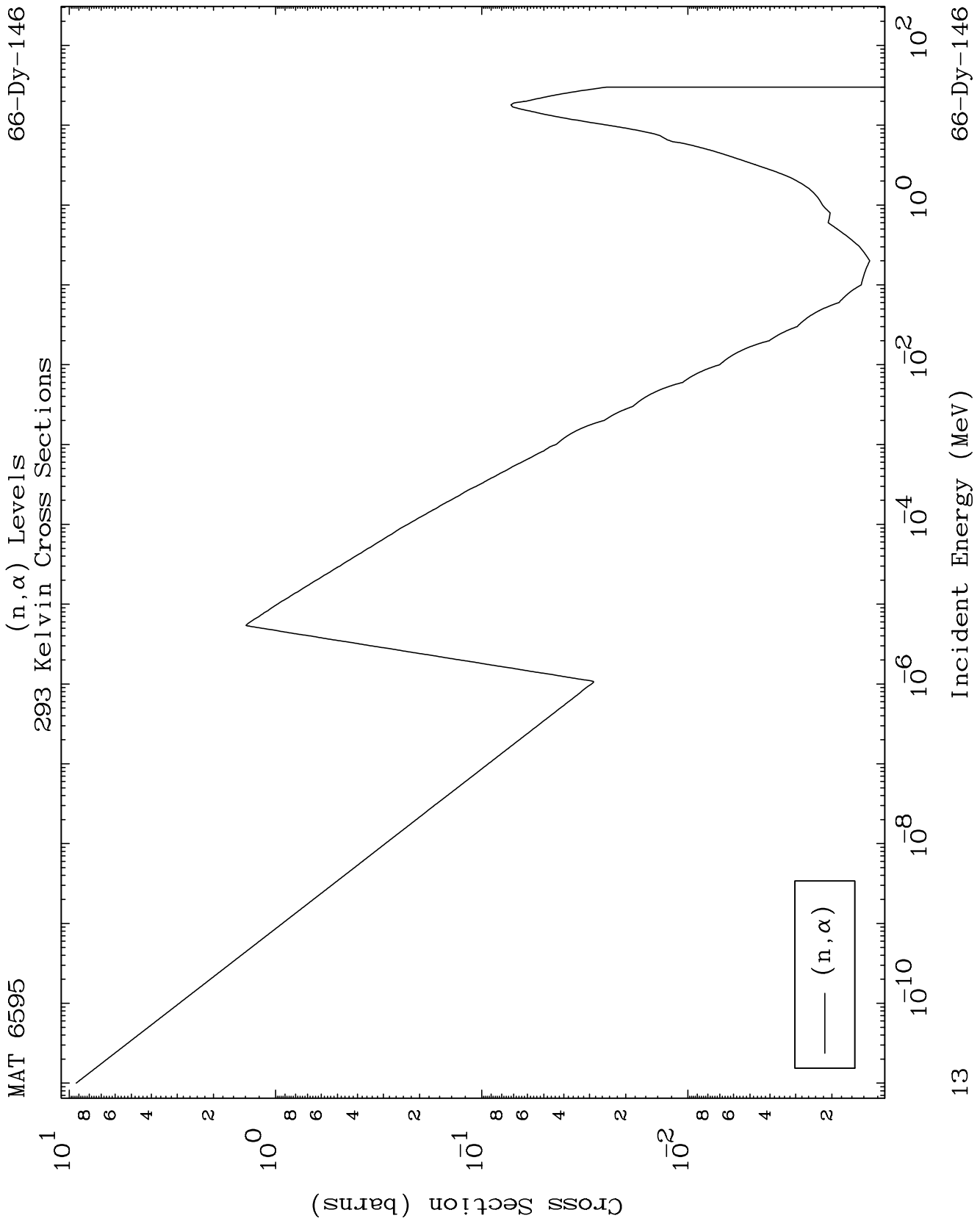
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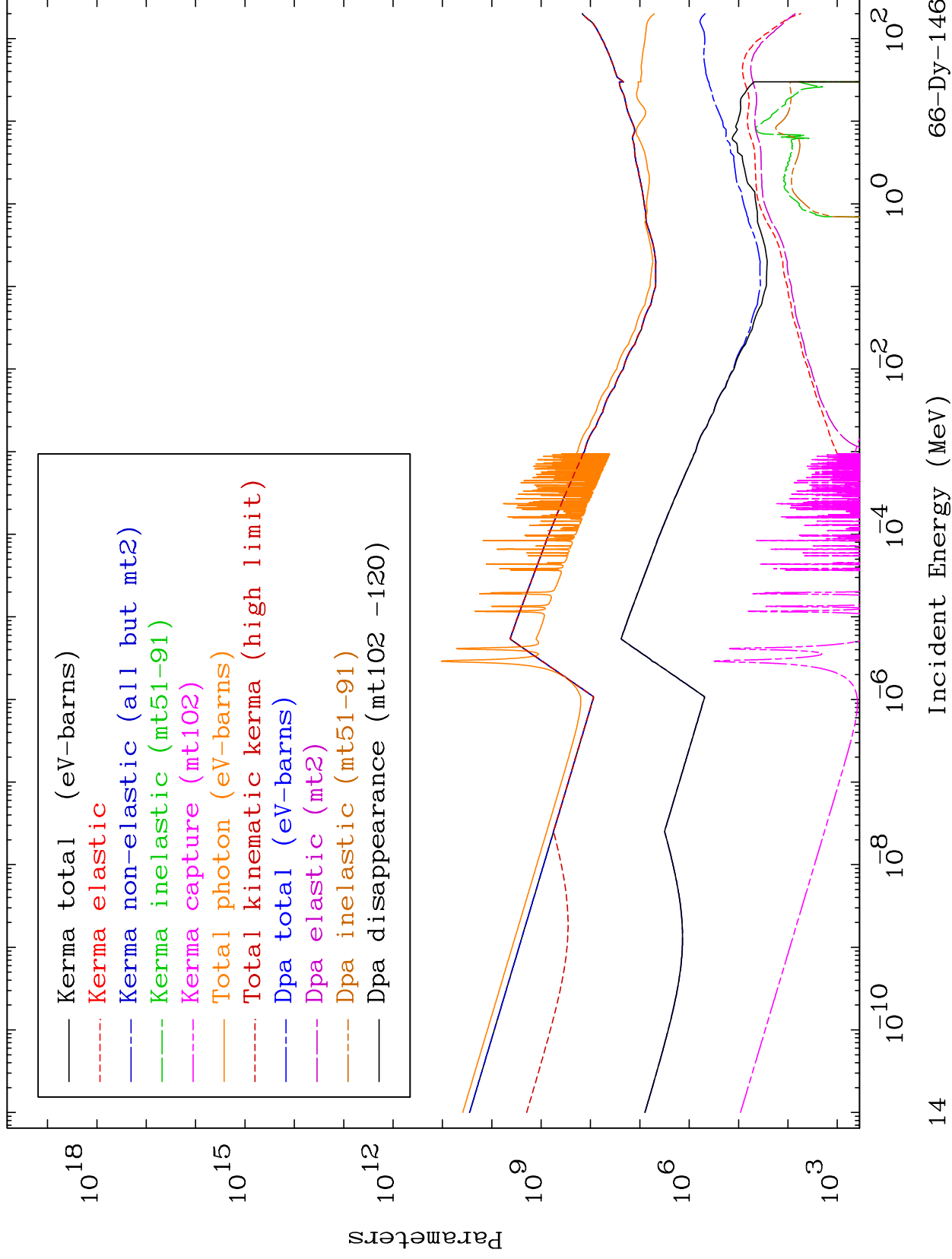
MAT 6595

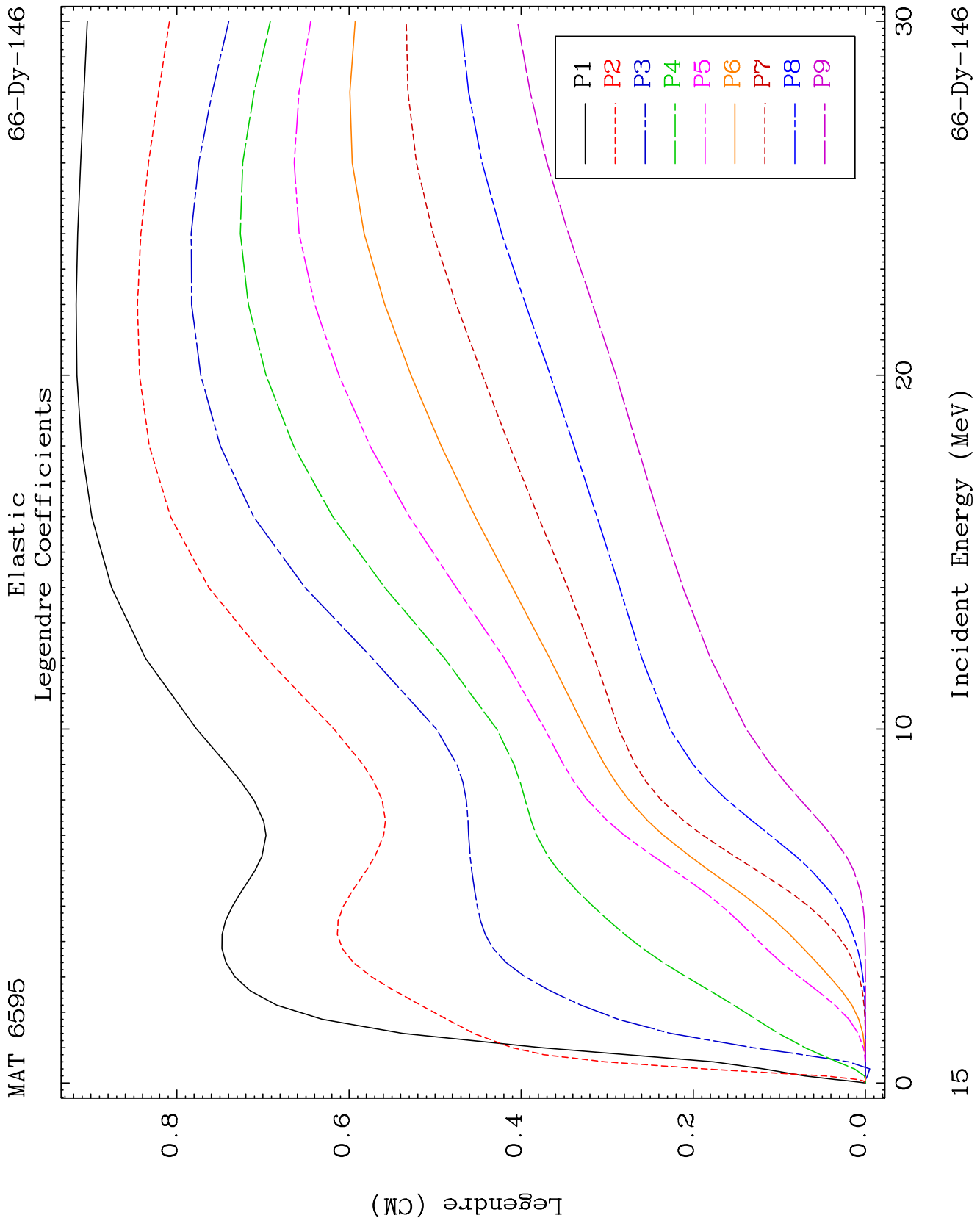
(n,He3) Levels
293 Kelvin Cross Sections

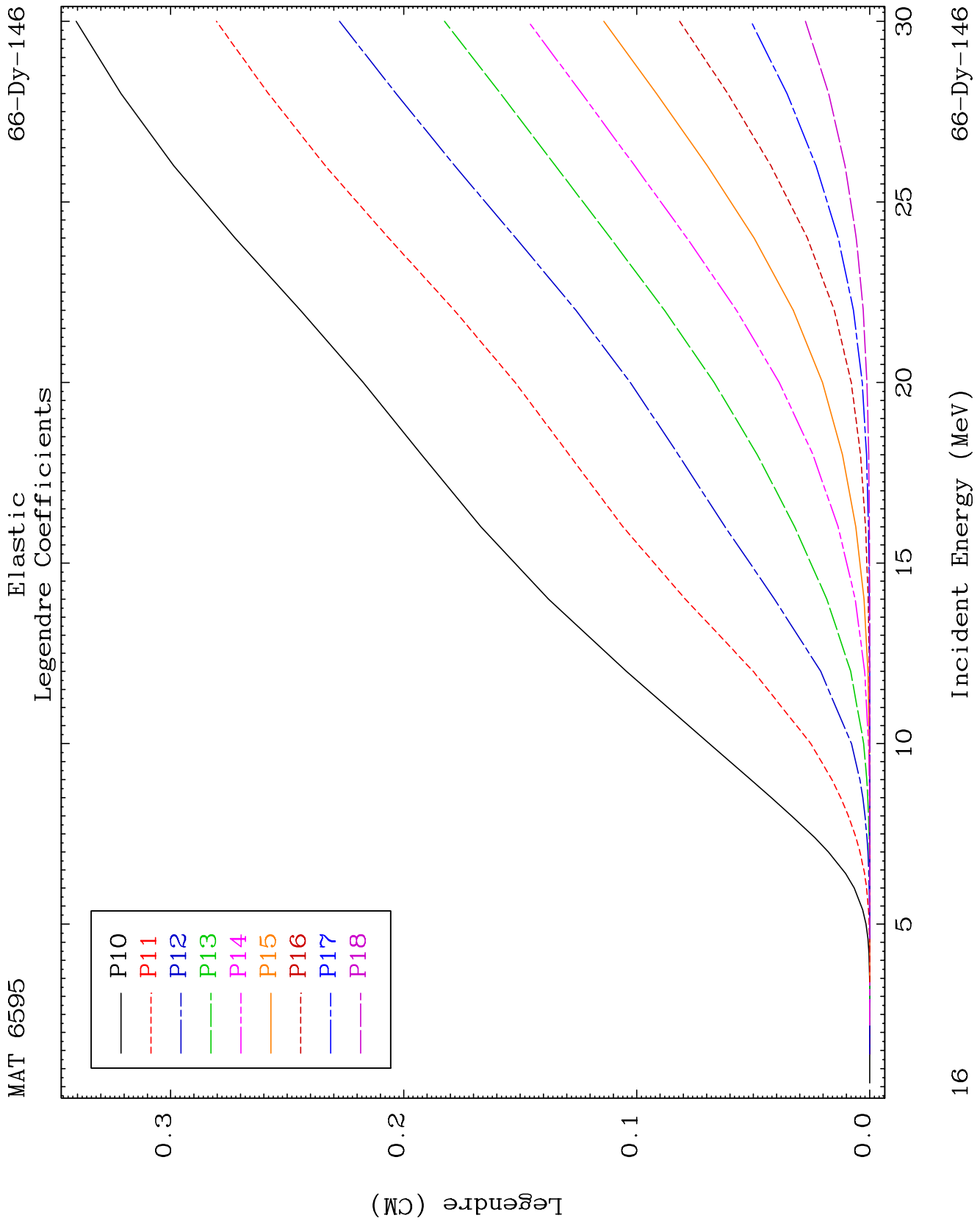
66-Dy-146







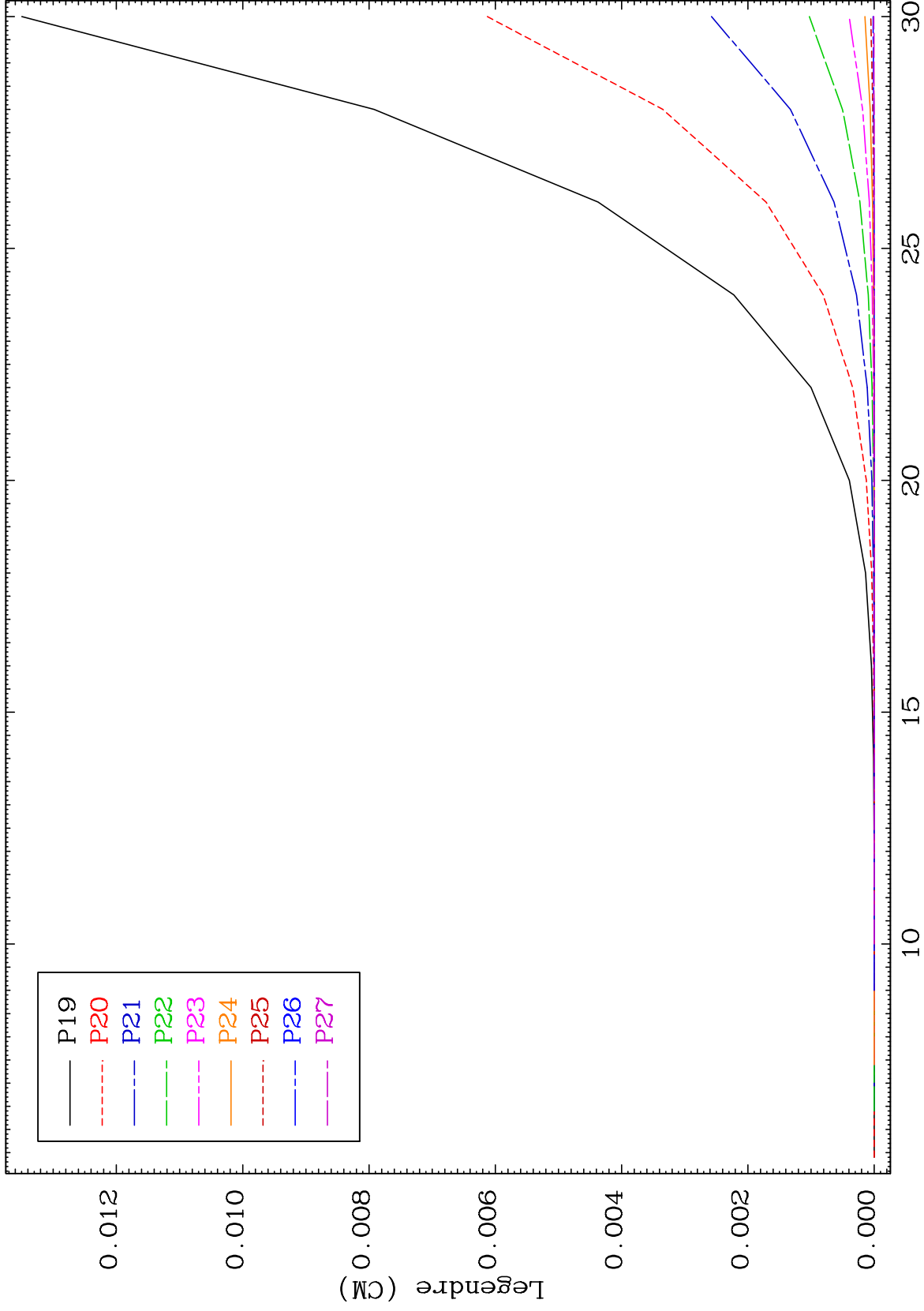




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Elastic Legendre Coefficients

66-Dy-146



17

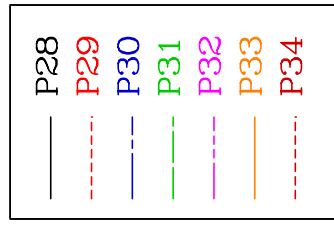
Incident Energy (MeV)

66-Dy-146

MAT 6595

Elastic Legendre Coefficients

66-Dy-146



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

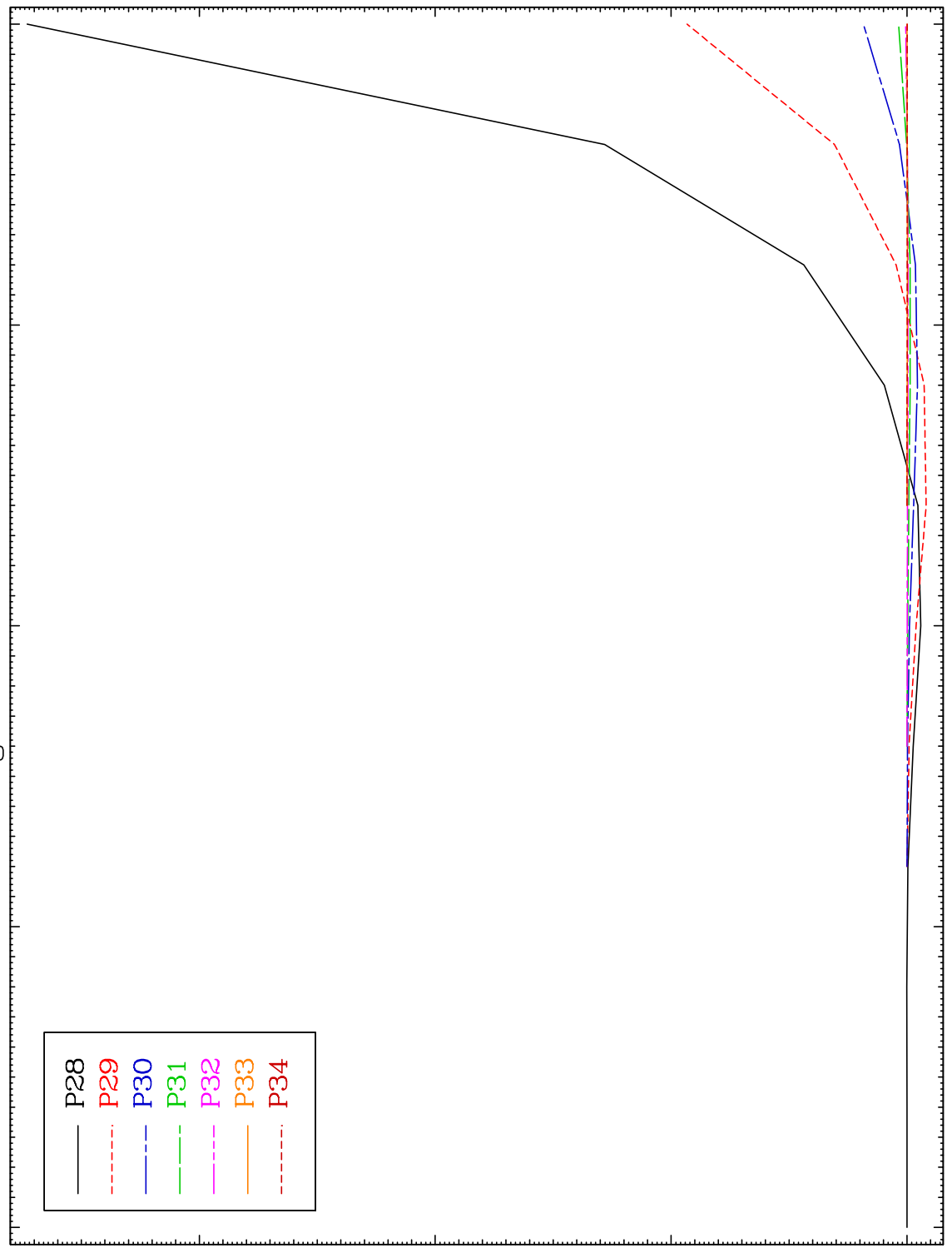
25

30

18

Incident Energy (MeV)

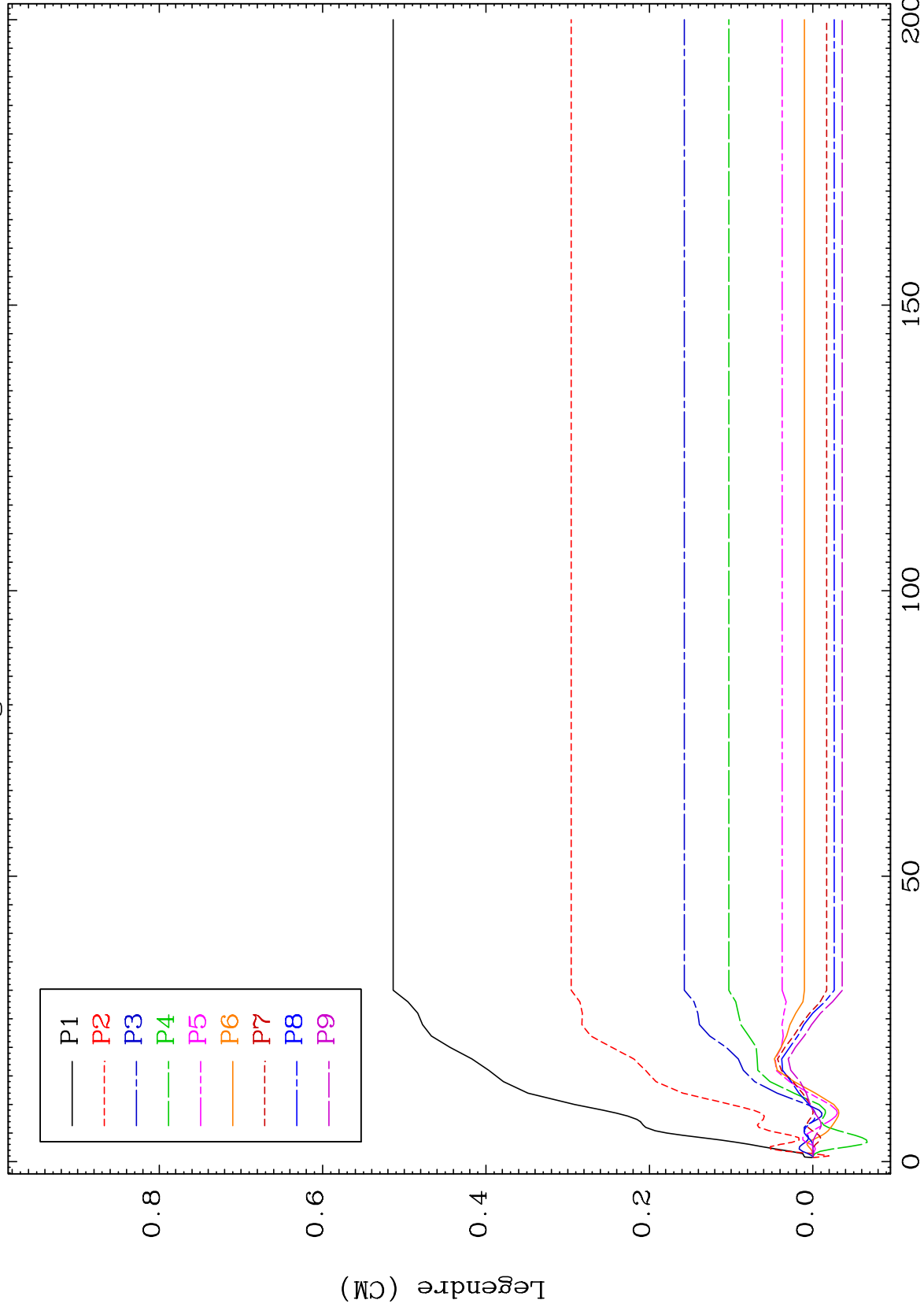
66-Dy-146



MAT 6595

682.9 keV (n,n') Level
Legendre Coefficients

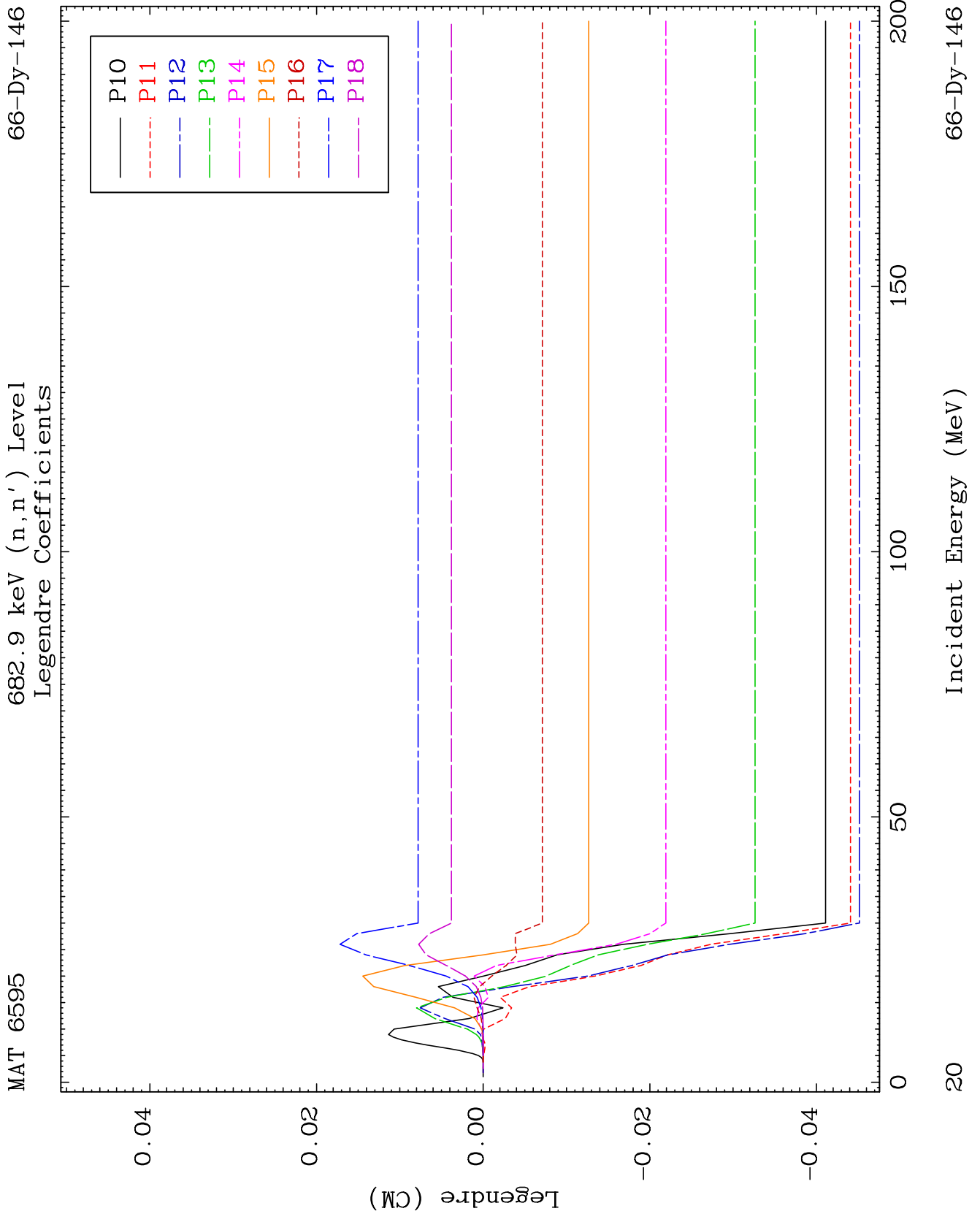
66-Dy-146



19

Incident Energy (MeV)

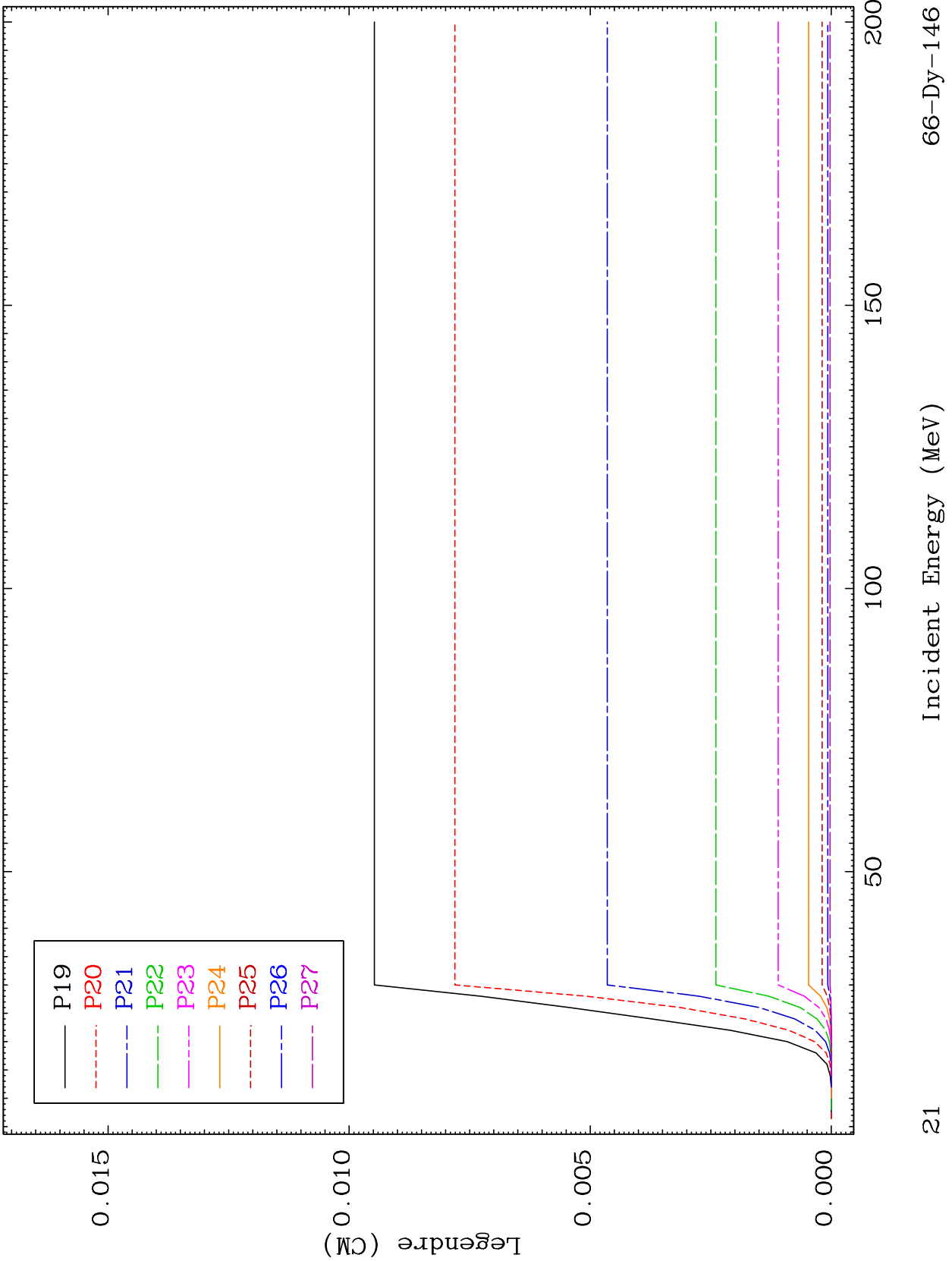
66-Dy-146



MAT 6595

682.9 keV (n,n') Level
Legendre Coefficients

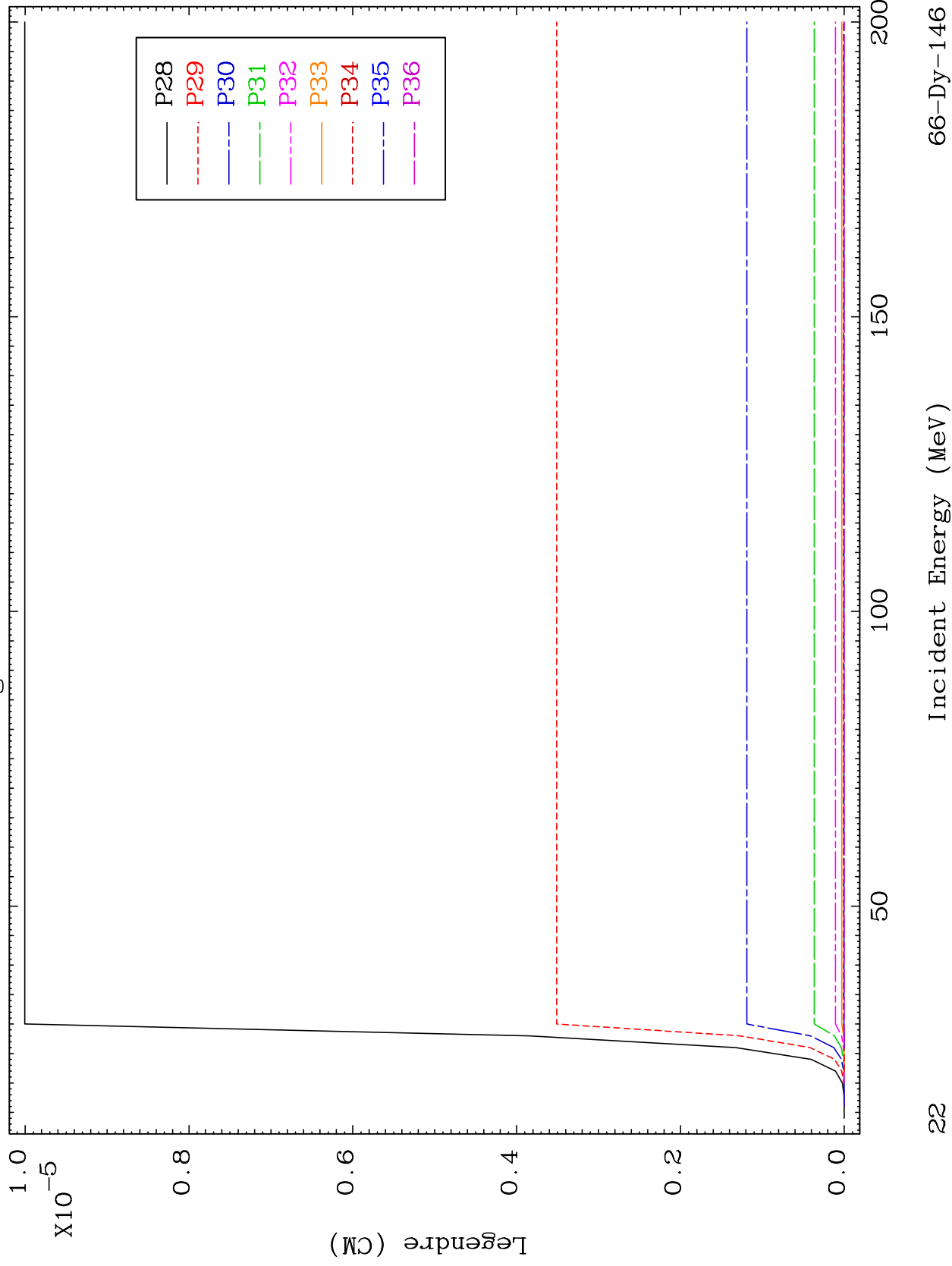
66-Dy-146



MAT 6595

682.9 keV (n,n') Level
Legendre Coefficients

66-Dy-146

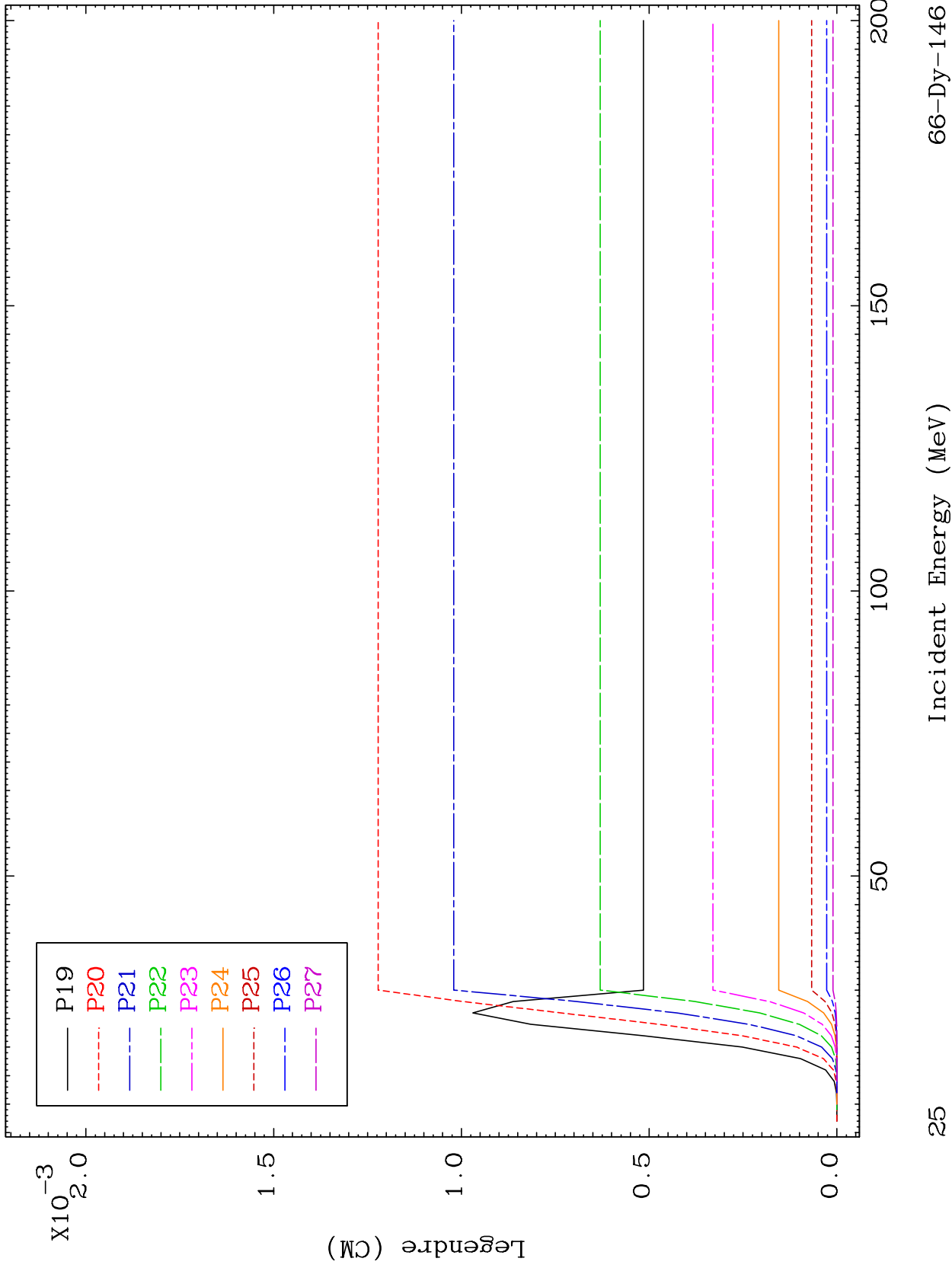


22

MAT 6595

1.608 MeV (n,n') Level
Legendre Coefficients

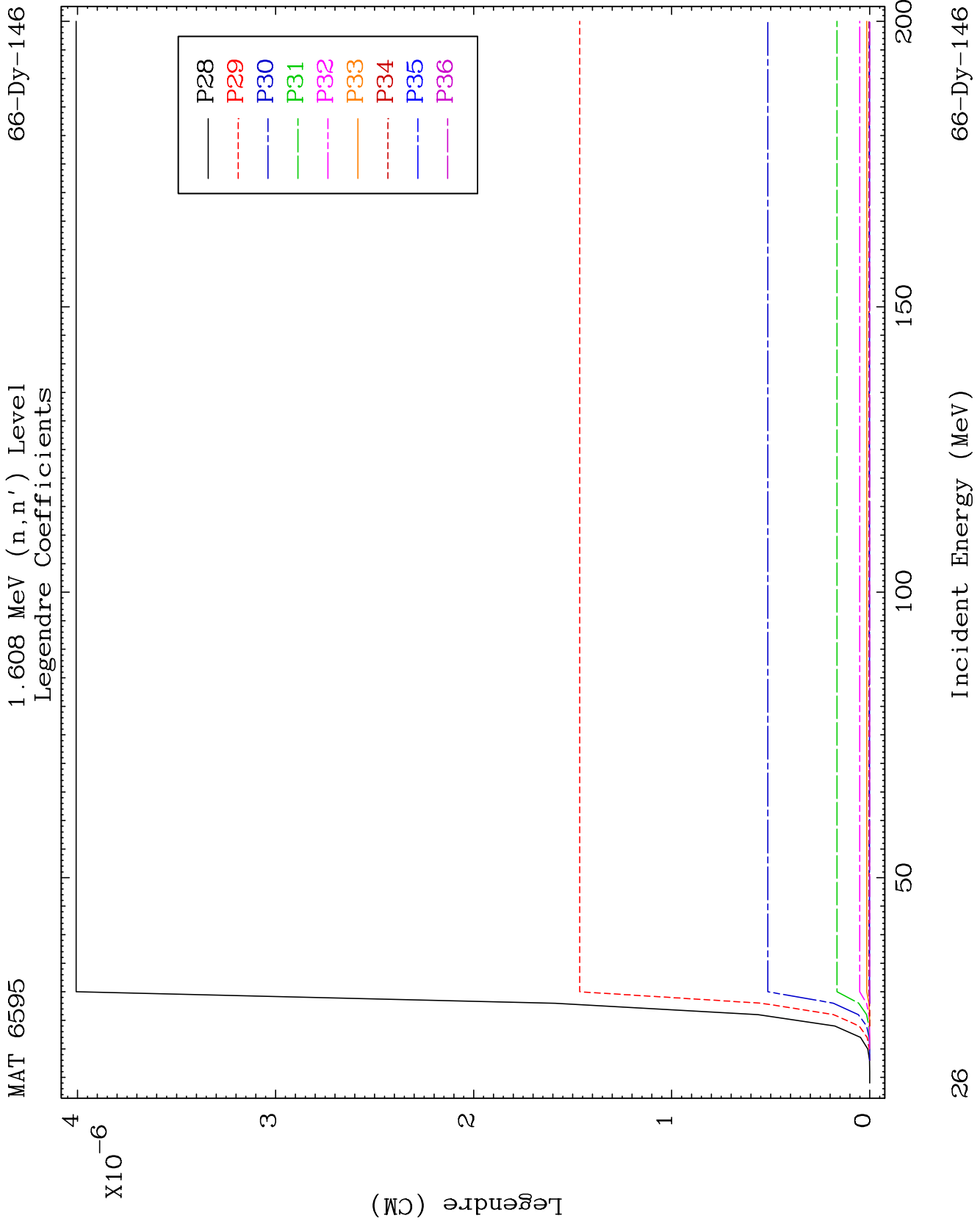
66-Dy-146



25

Incident Energy (MeV)

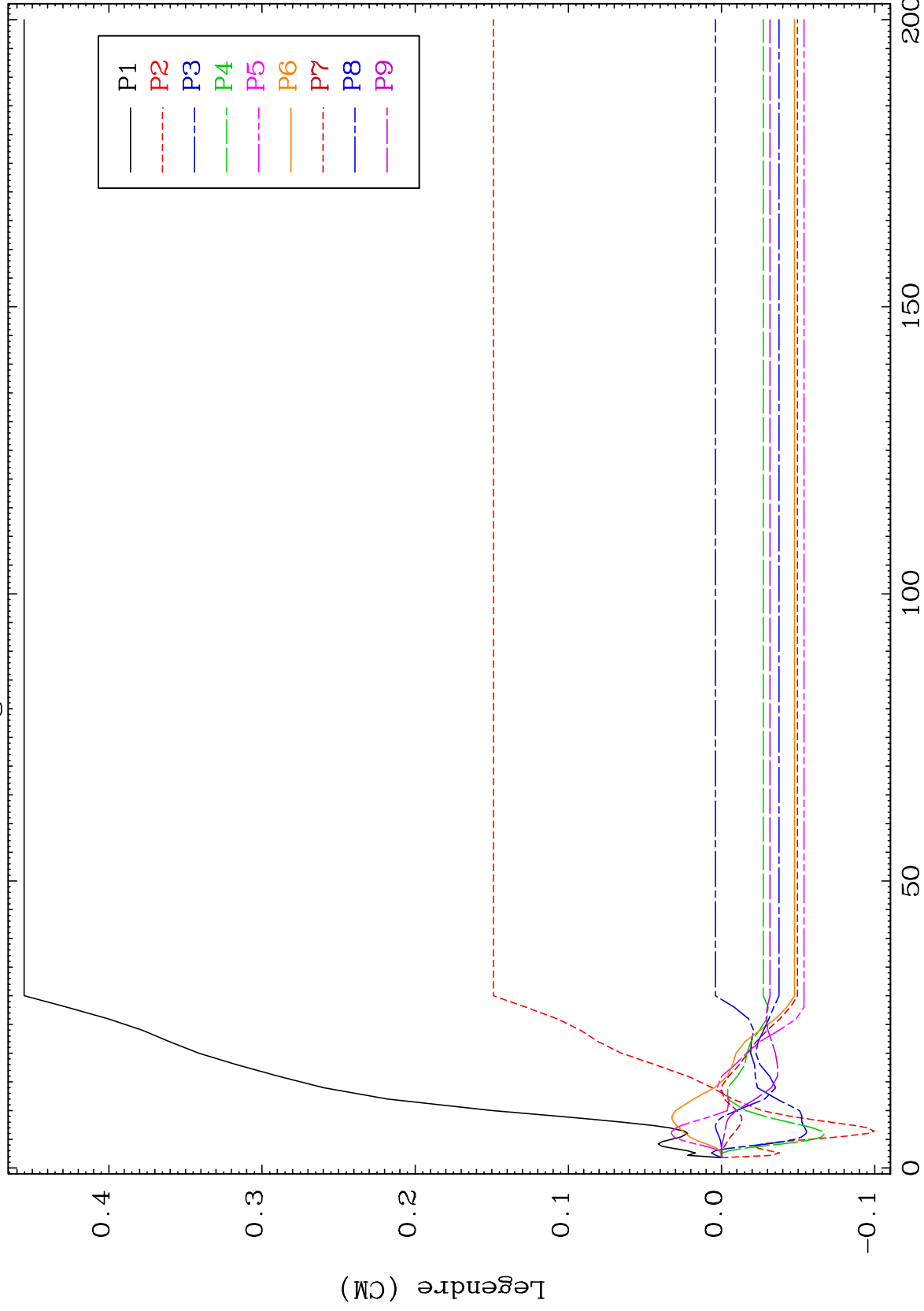
66-Dy-146



MAT 6595

1.783 MeV (n,n') Level
Legendre Coefficients

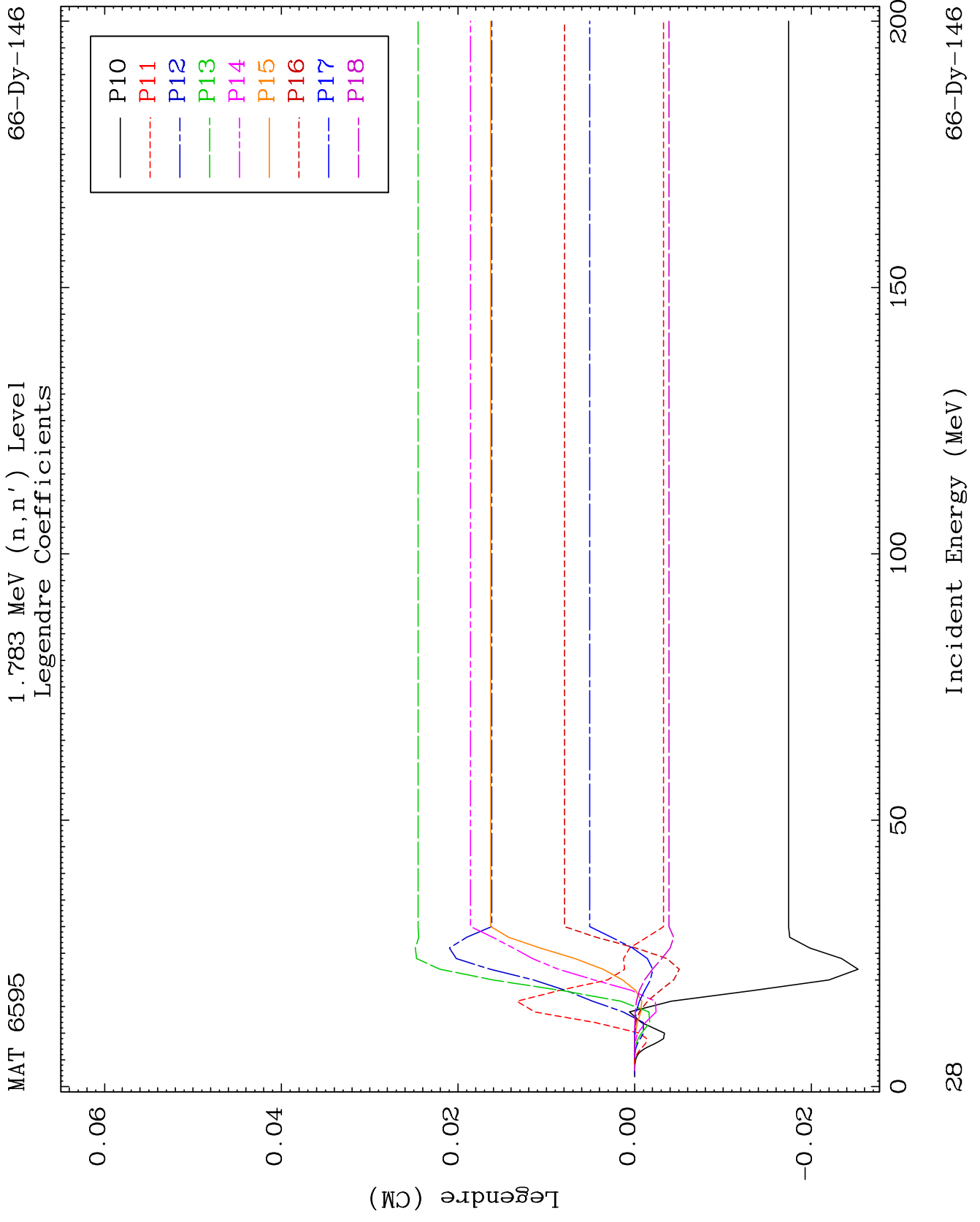
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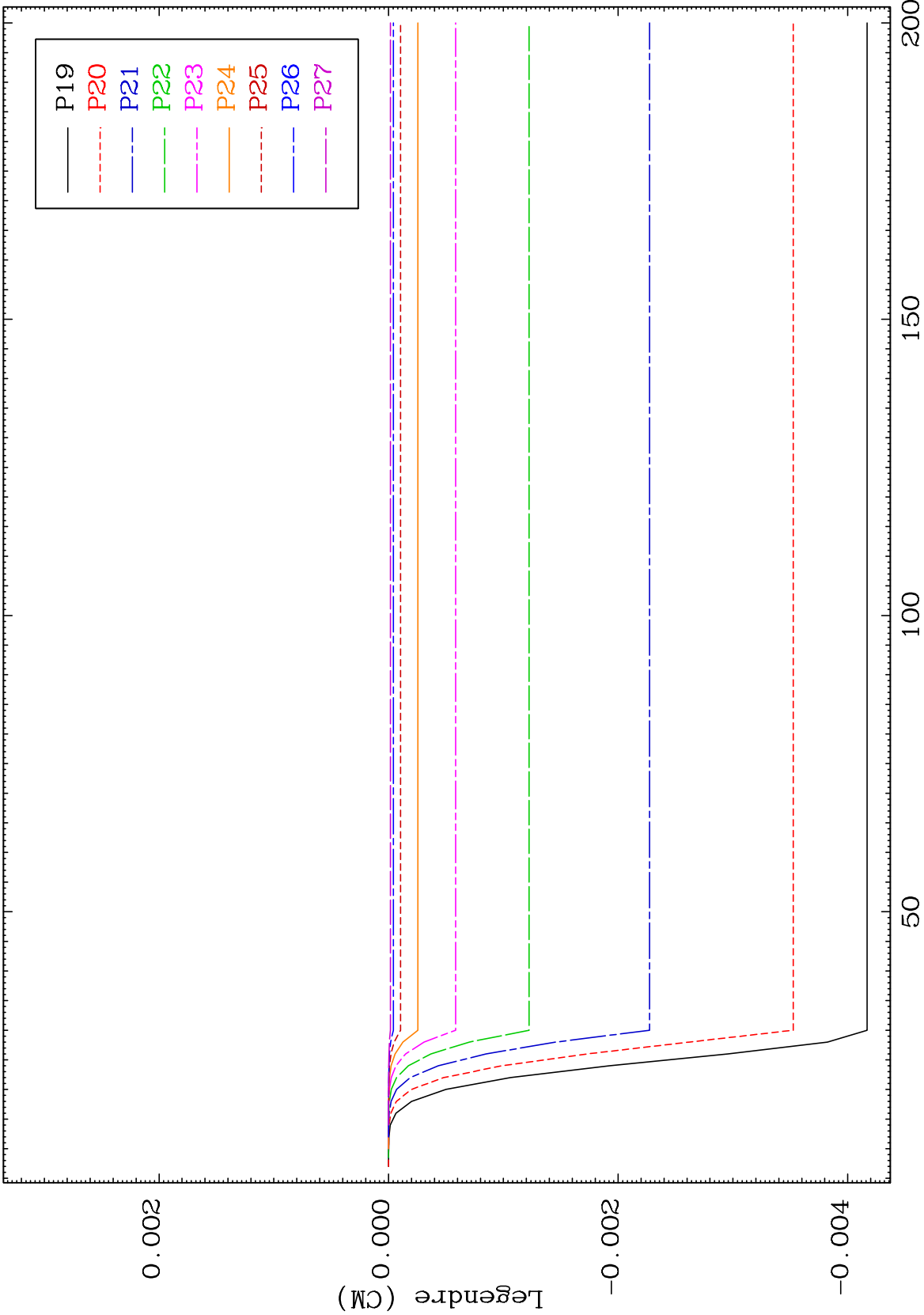


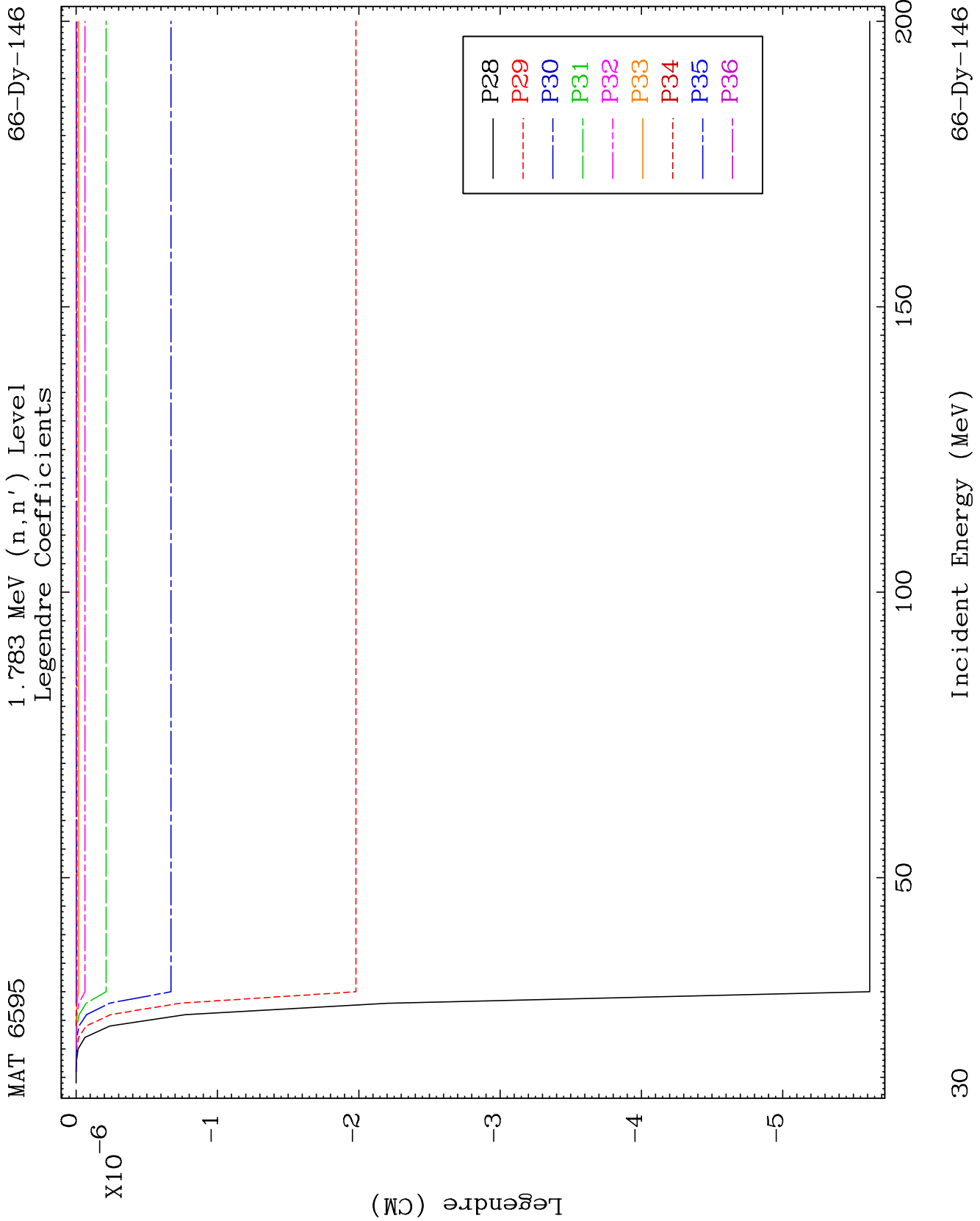
27

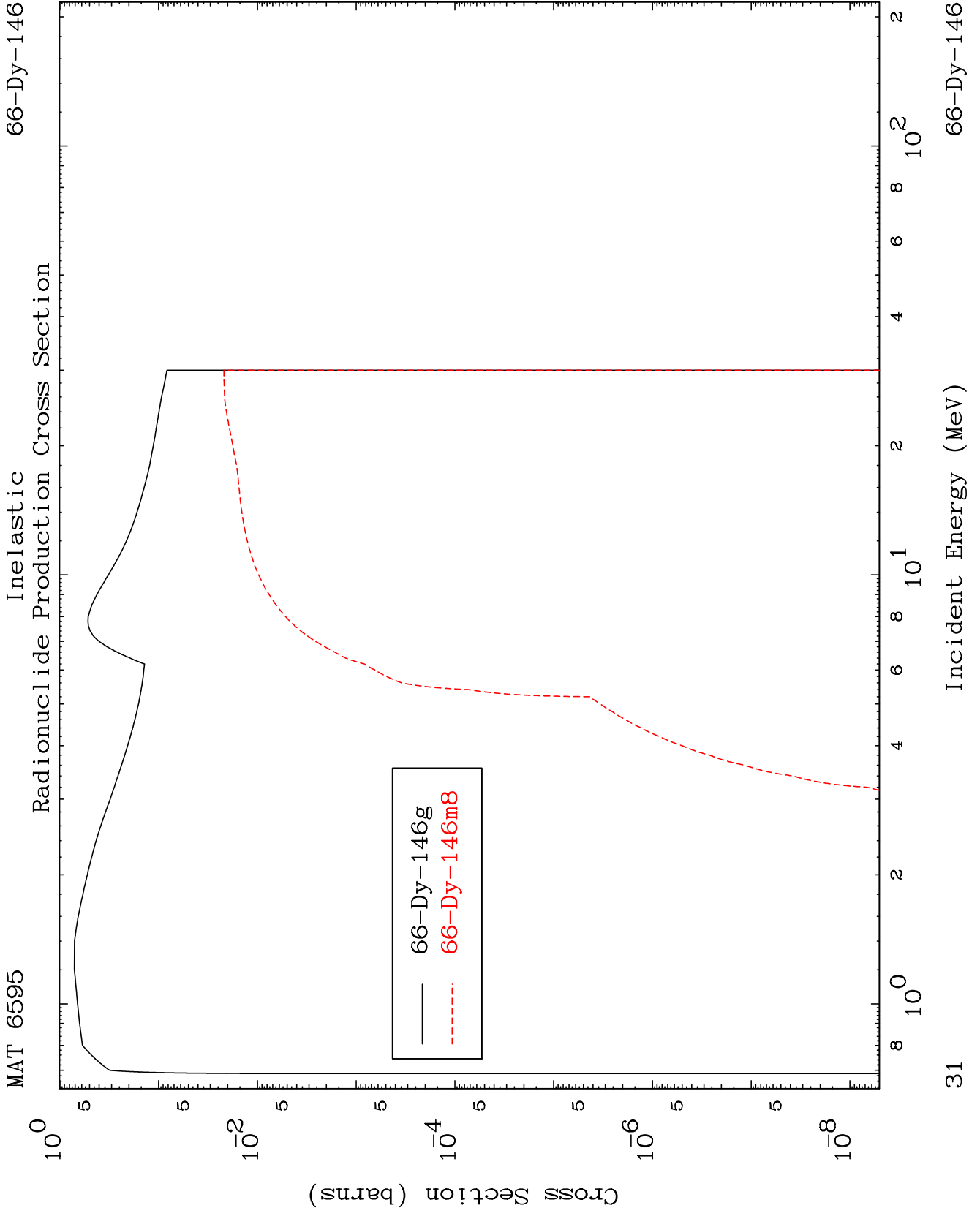
Incident Energy (MeV)

66-Dy-146







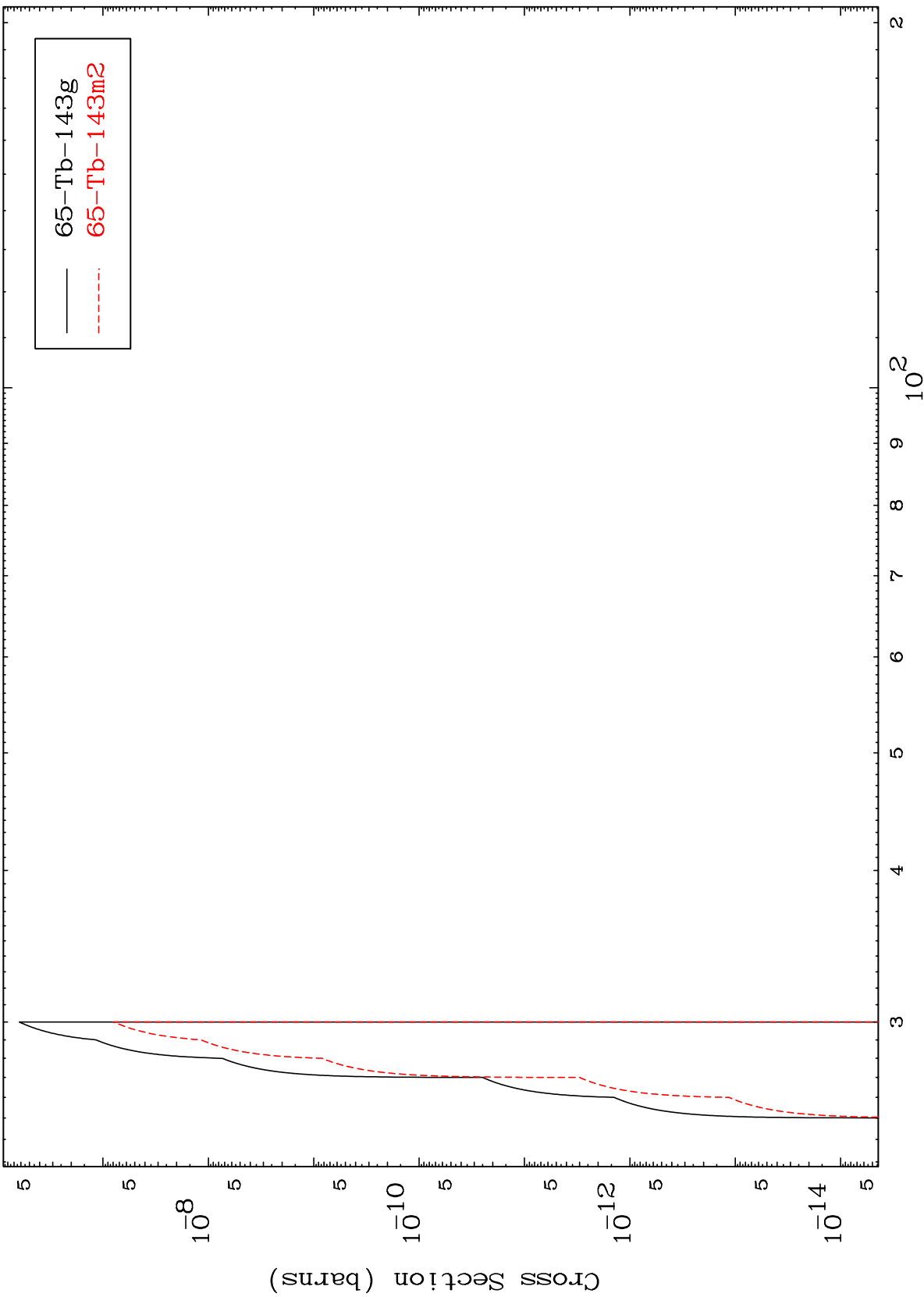


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(n,2n) d

66-Dy-146

Radionuclide Production Cross Section



32

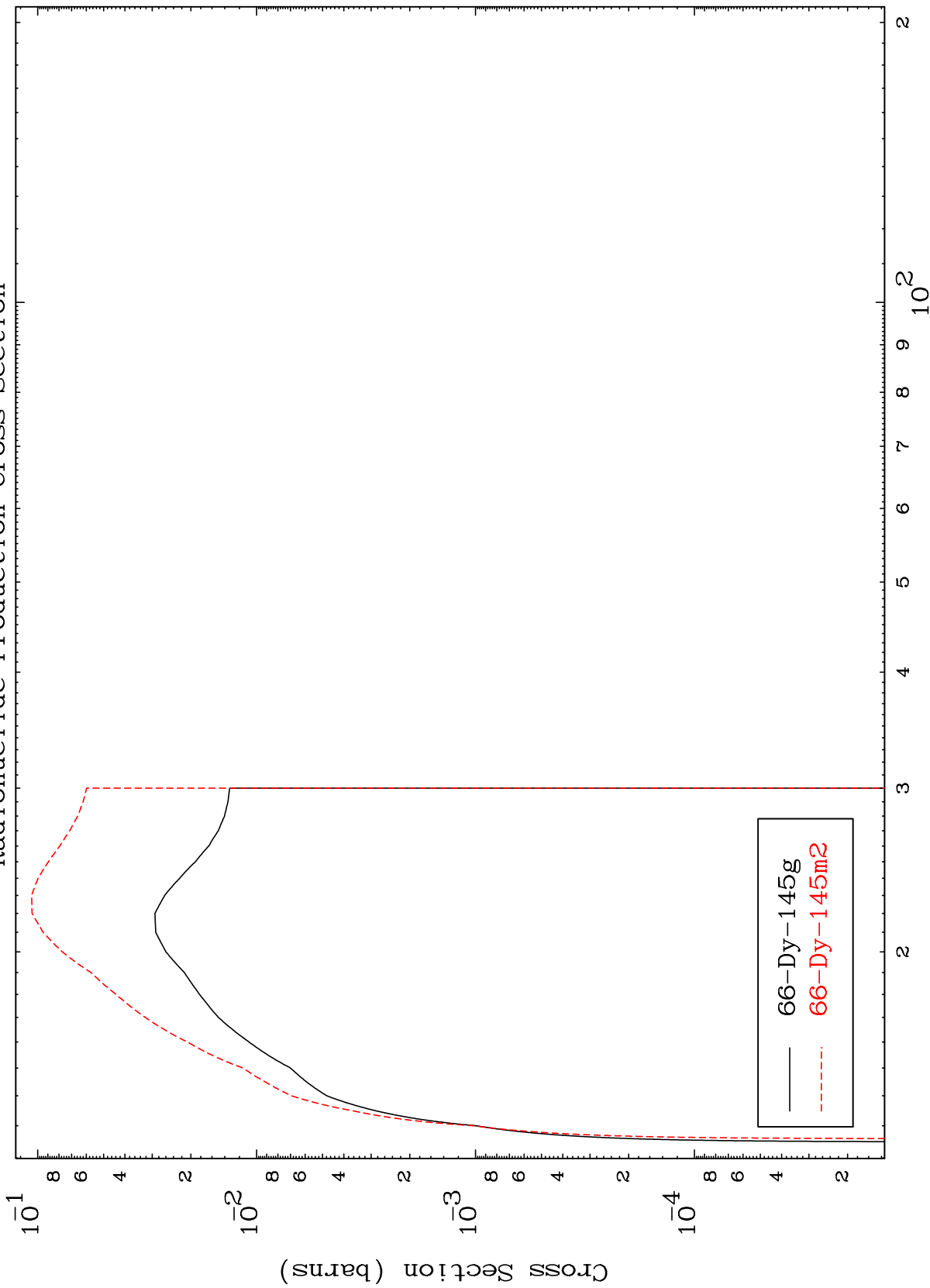
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

(n,2n)
Radionuclide Production Cross Section



66-Dy-146

Incident Energy (MeV)

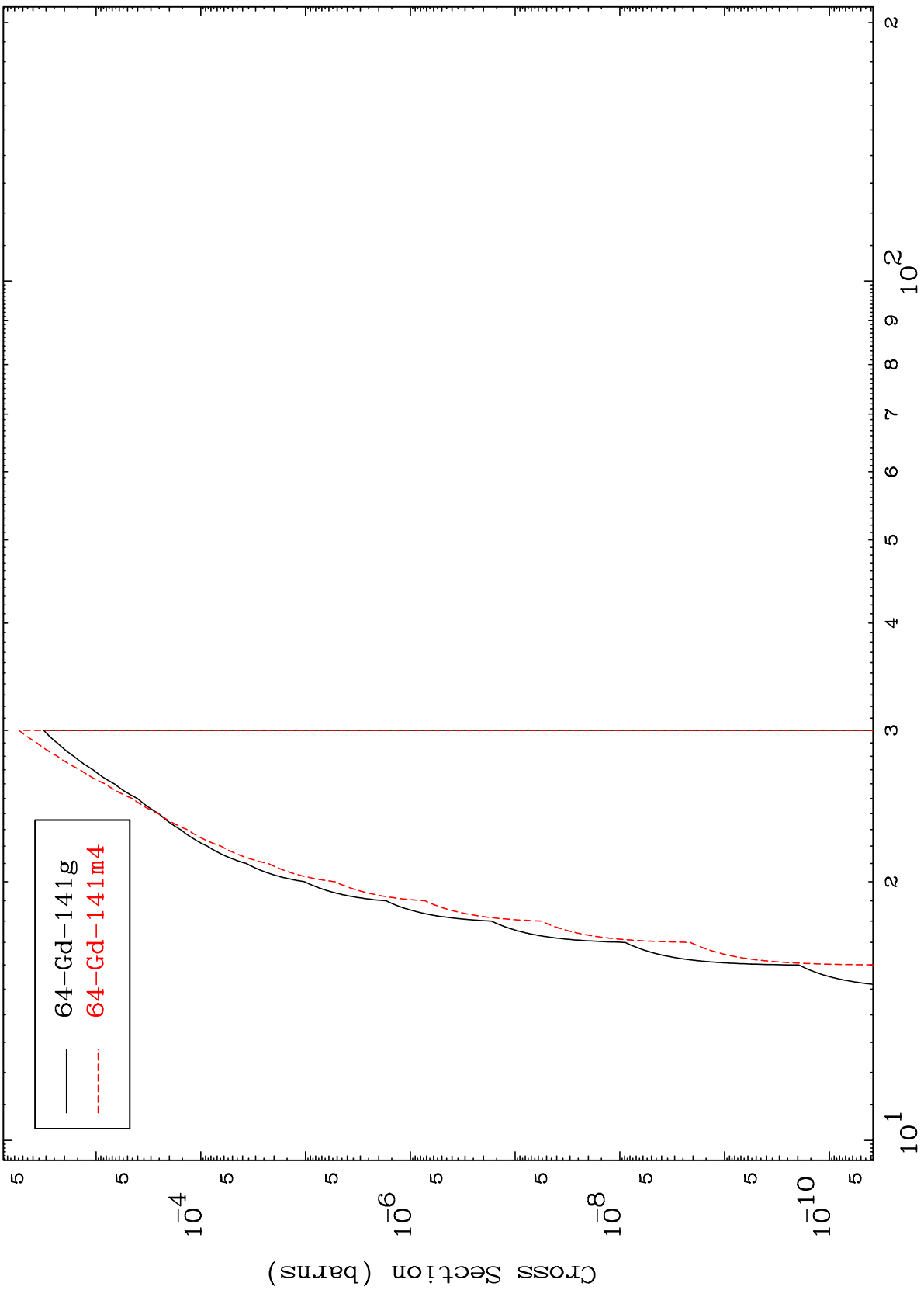
33

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(n,2n) α

66-Dy-146

Radionuclide Production Cross Section

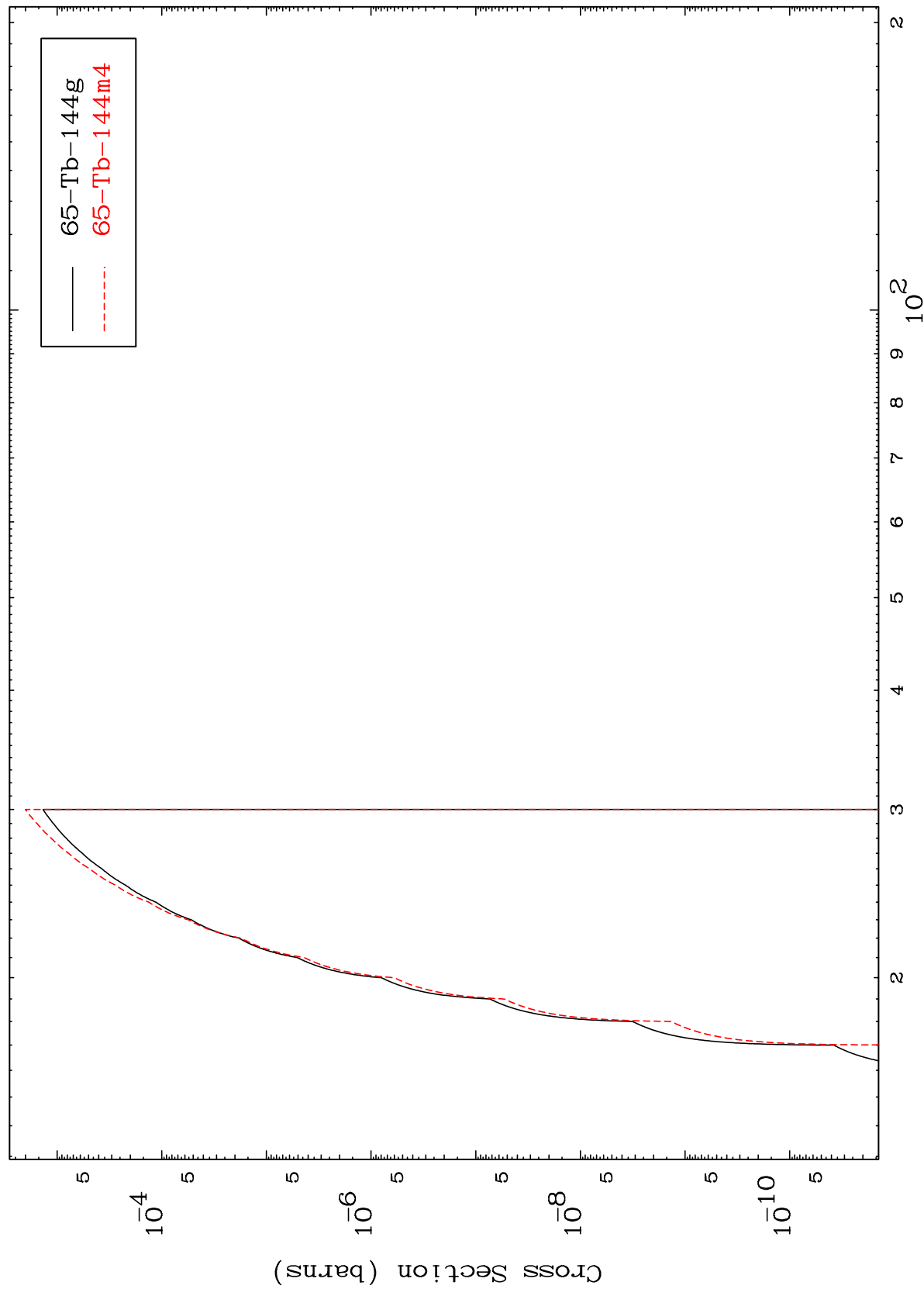


34

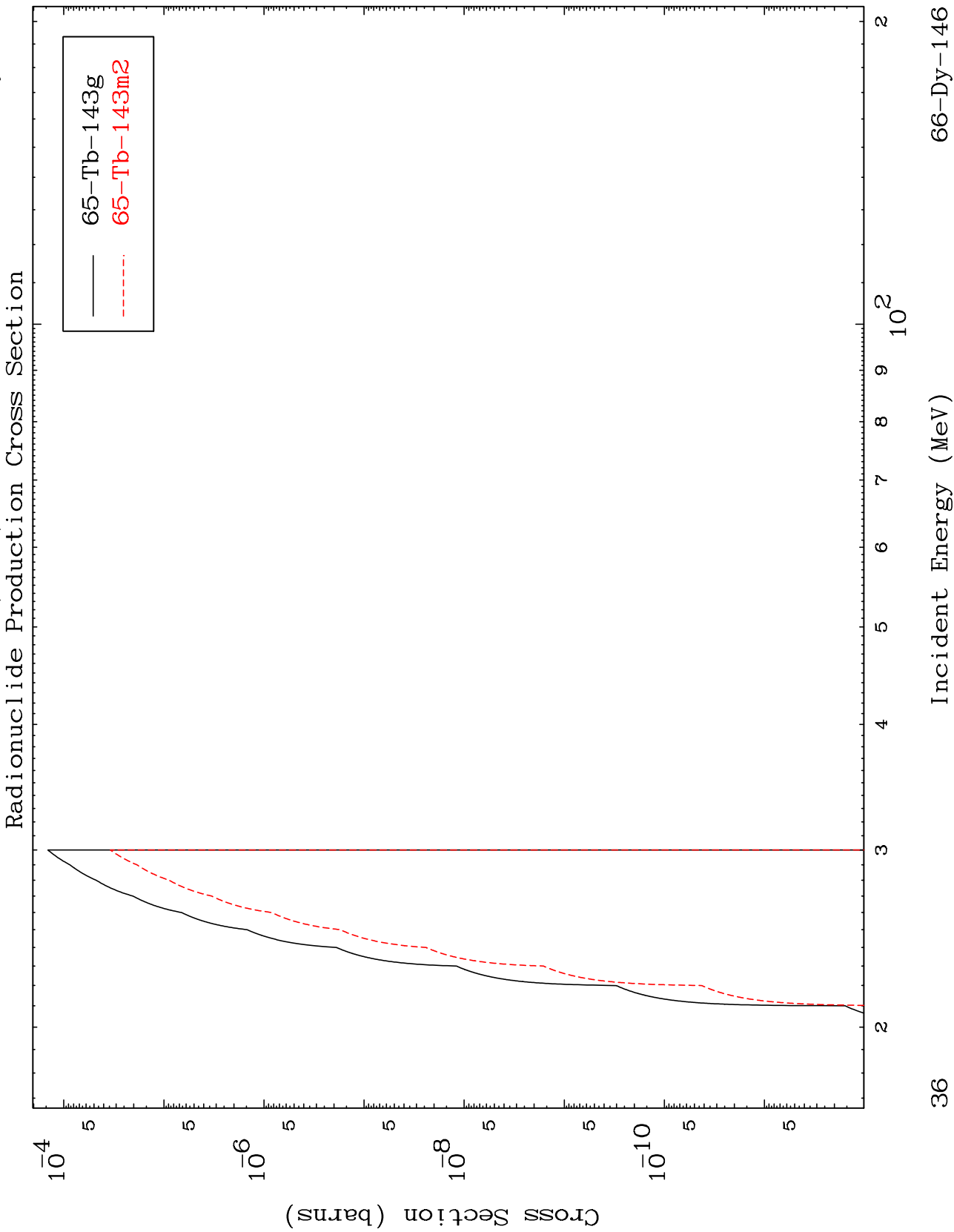
Incident Energy (MeV)

66-Dy-146

Radionuclide Production Cross Section



65-Tb-144g
65-Tb-144m4

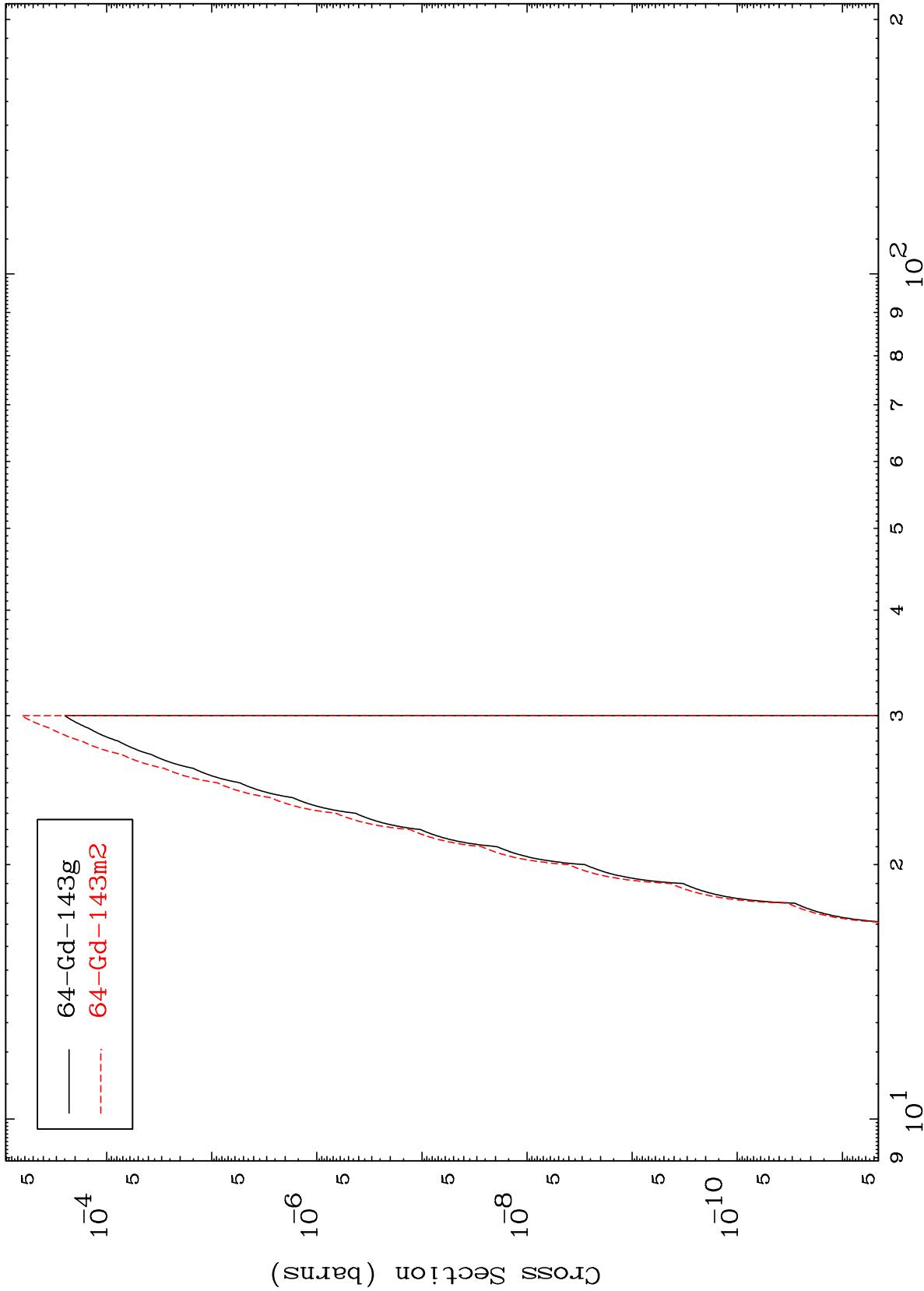


MAT 6595

(n,n') He-3

66-Dy-146

Radionuclide Production Cross Section

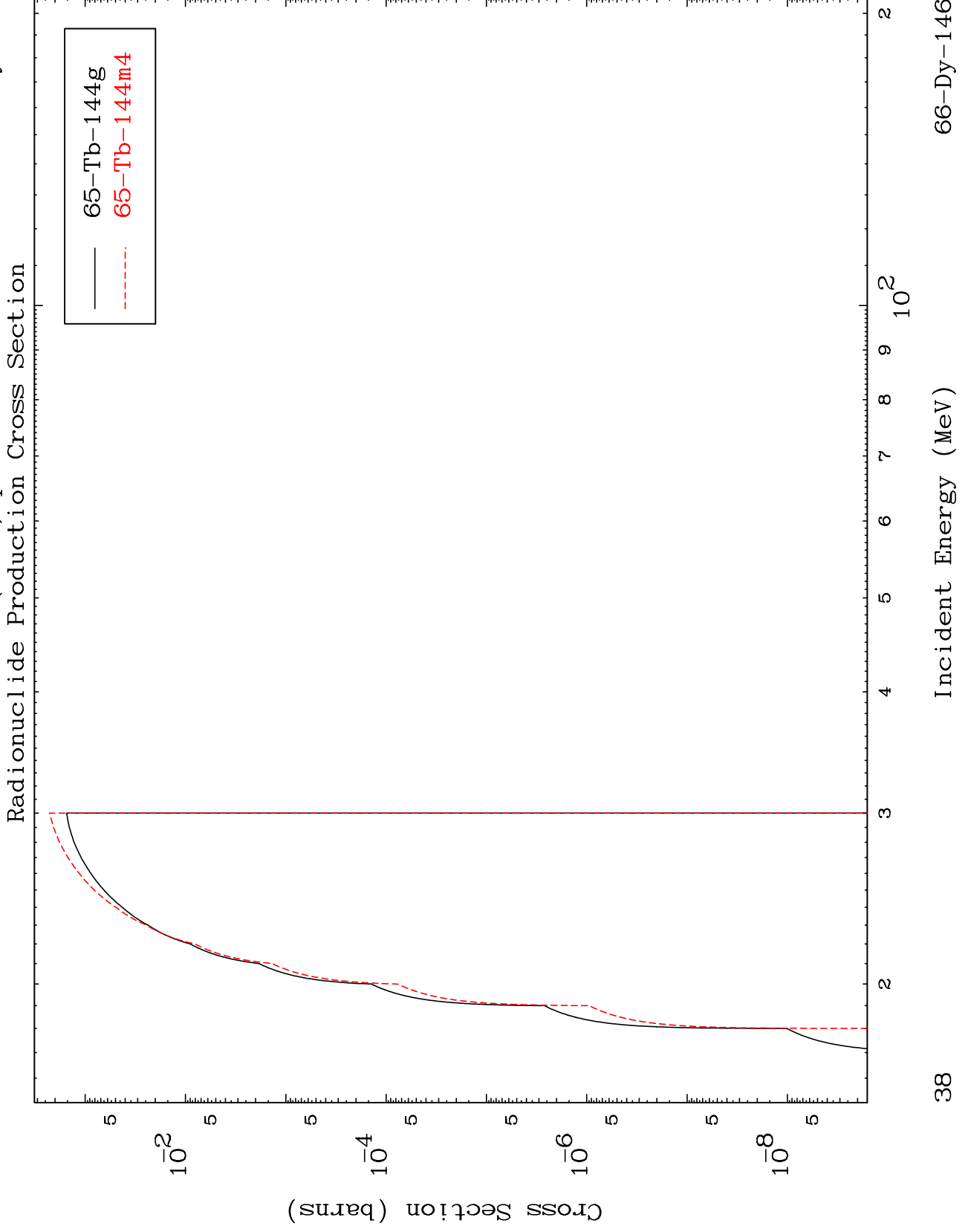


64-Gd-143g
64-Gd-143m2

37

Incident Energy (MeV)

66-Dy-146

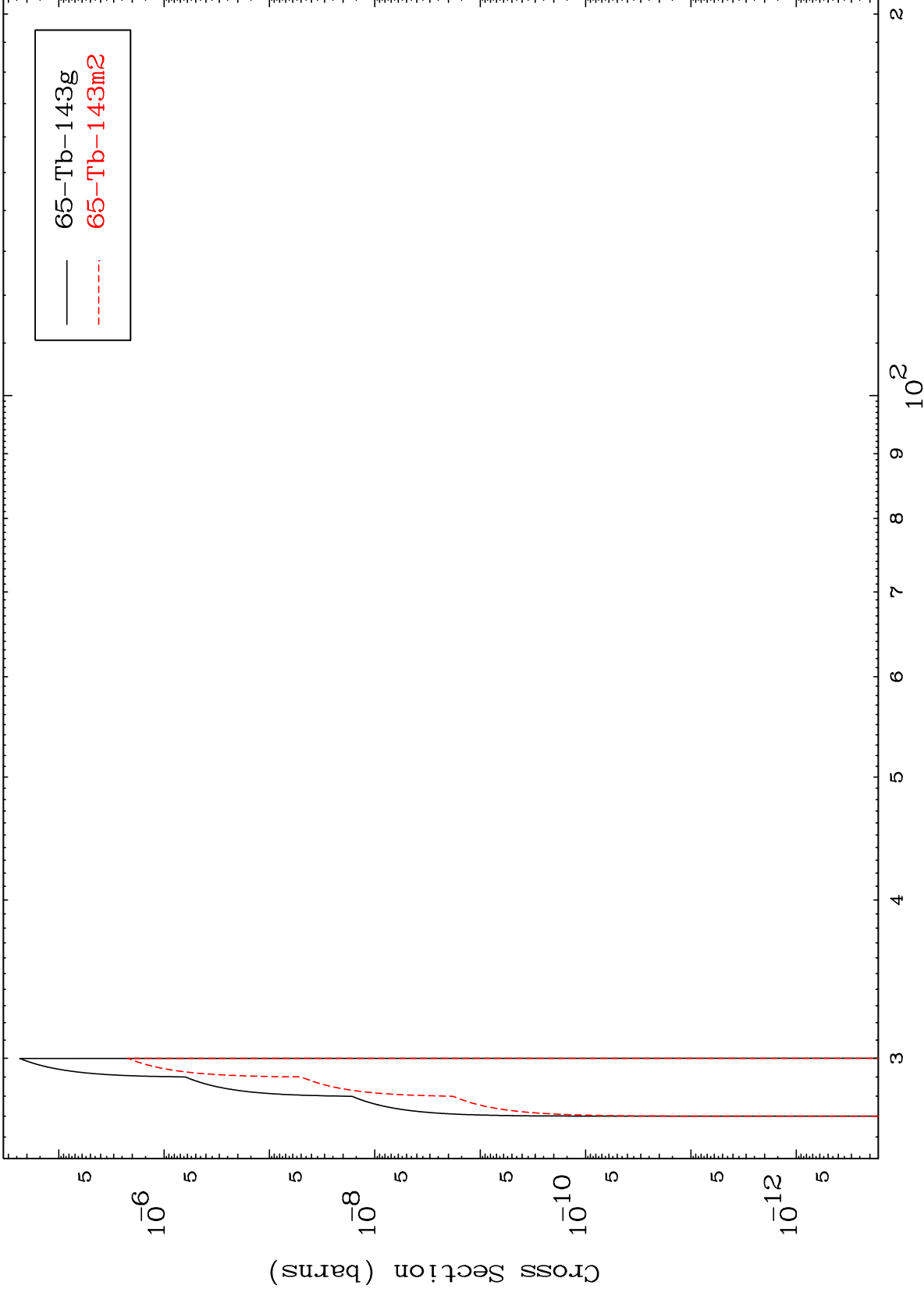


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(n,3n) p

66-Dy-146

Radionuclide Production Cross Section



39

Incident Energy (MeV)

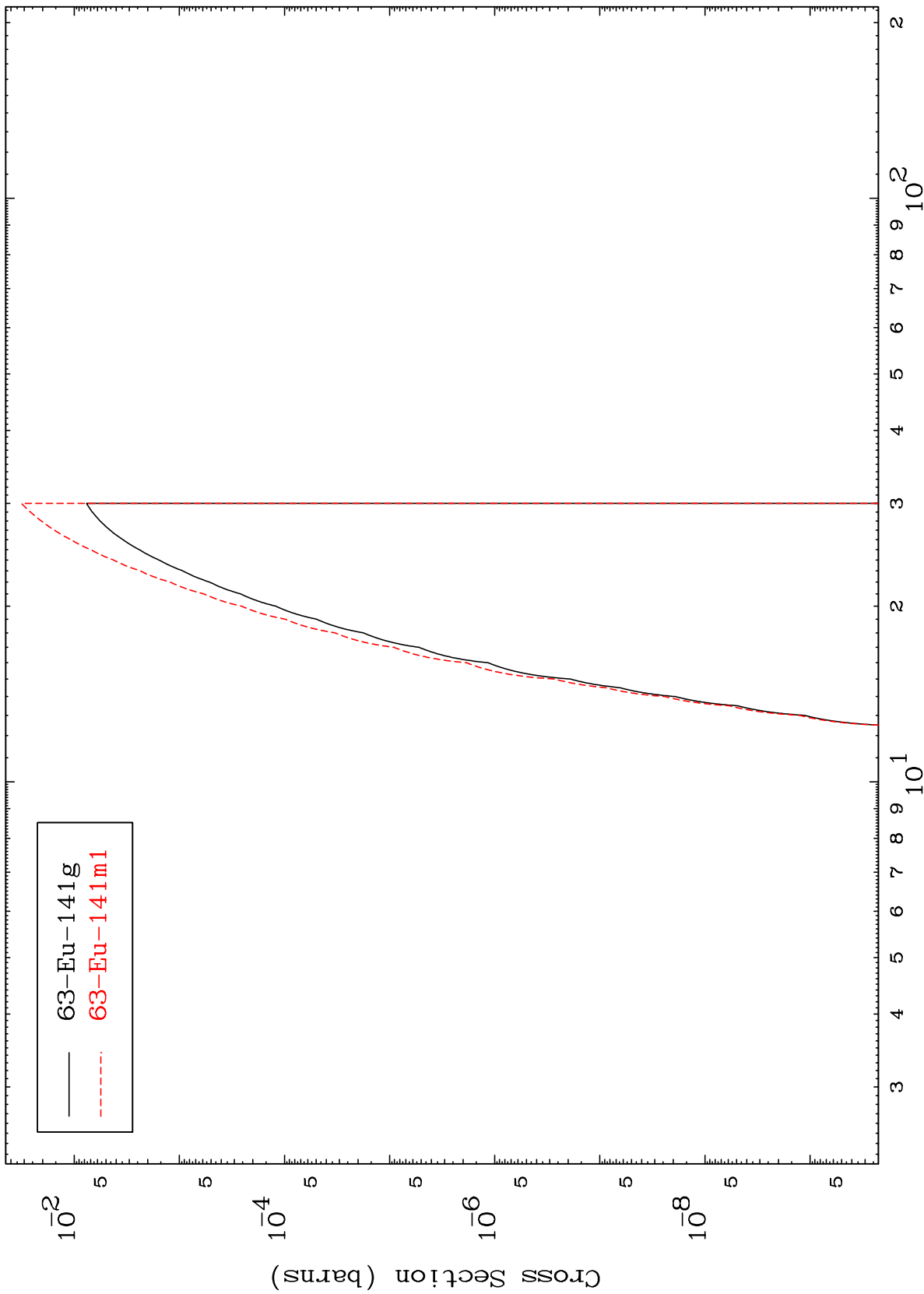
66-Dy-146

MAT 6595

(n,n') p α

66-Dy-146

Radionuclide Production Cross Section



— 63-Eu-141g
- - - 63-Eu-141m1

40

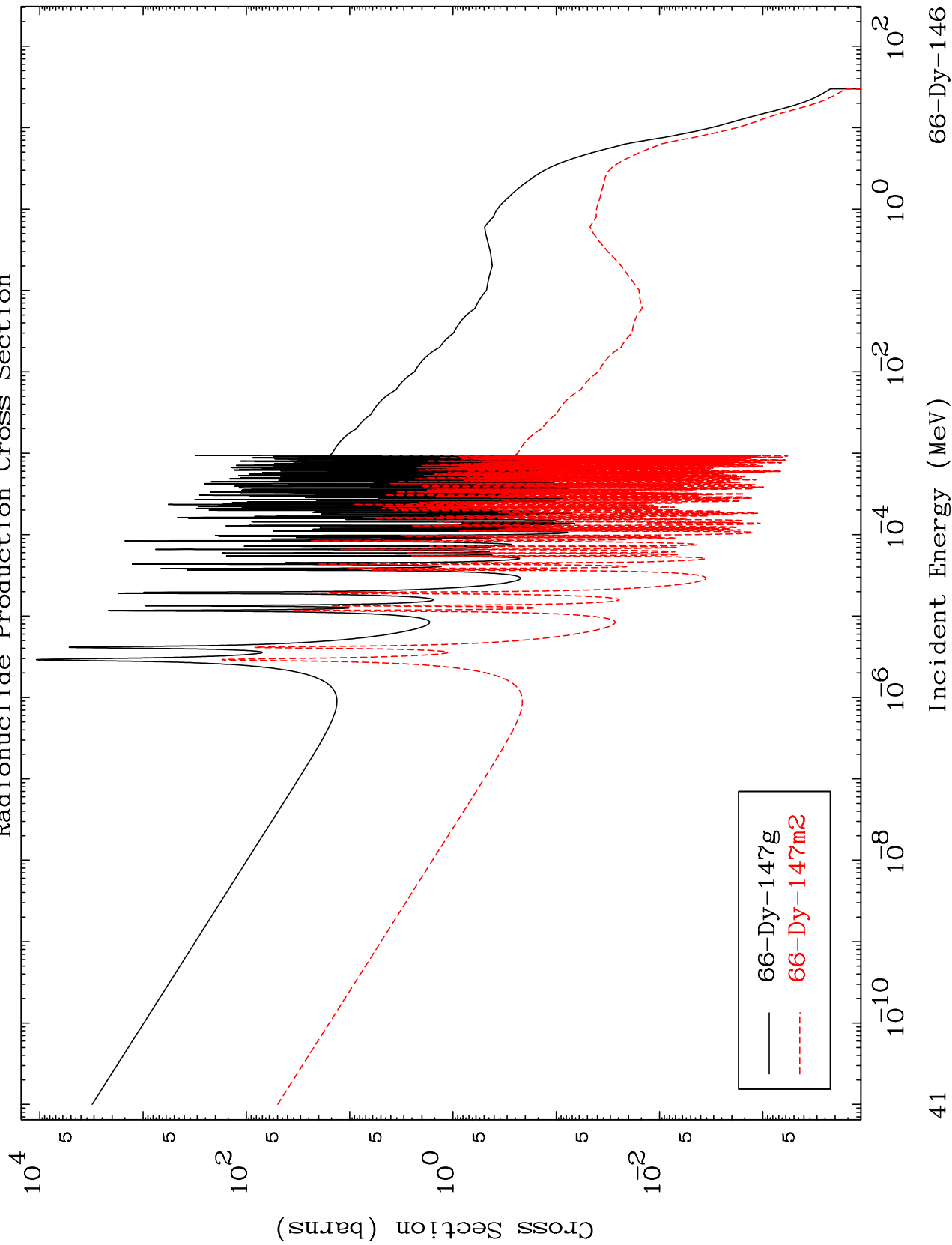
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

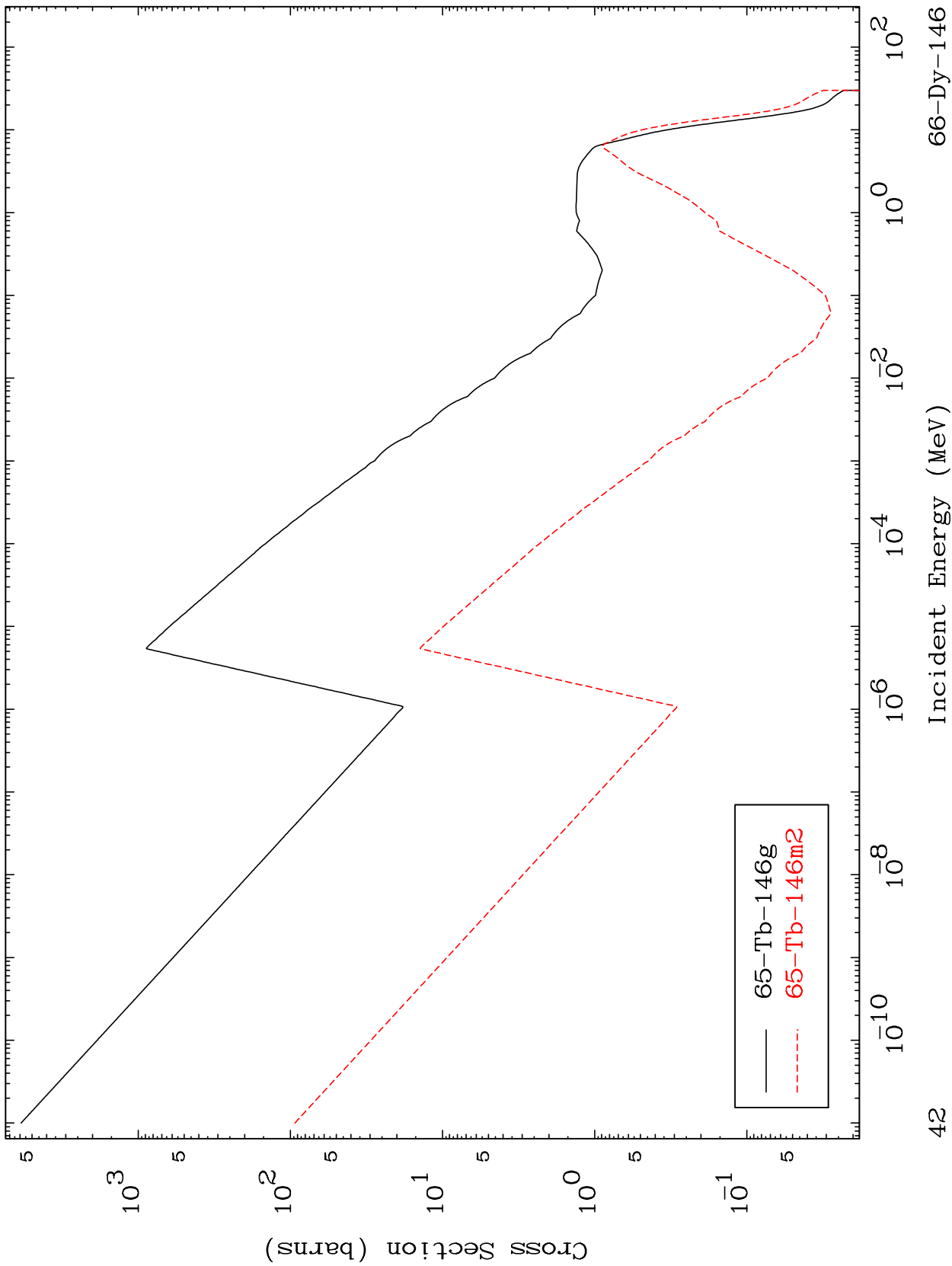
(n, γ)
Radionuclide Production Cross Section



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66-Dy-146

(n,p)
Radionuclide Production Cross Section



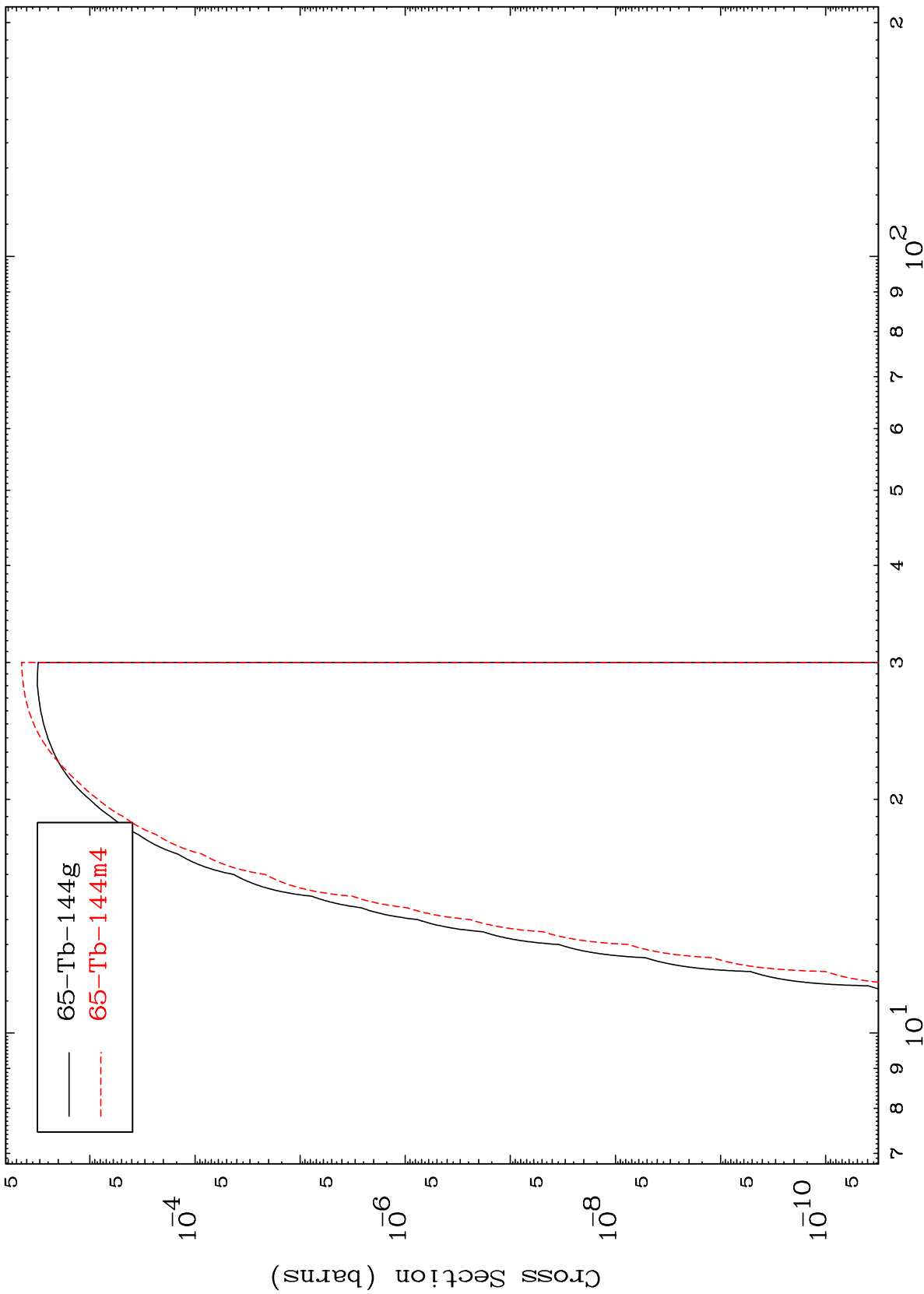
42

66-Dy-146

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66-Dy-146

(n,t)
Radionuclide Production Cross Section



43

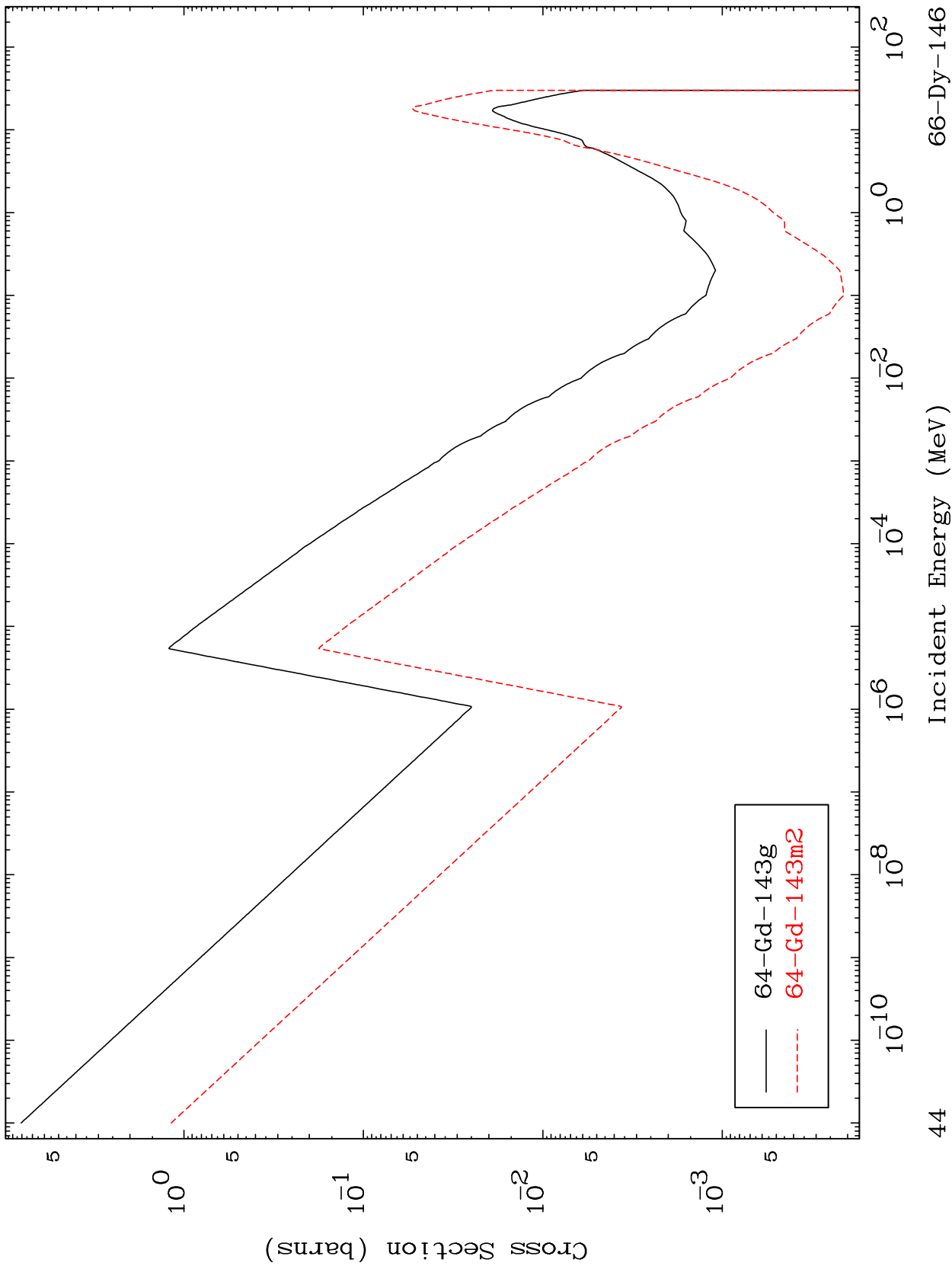
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

Radionuclide Production Cross Section
(n, α)

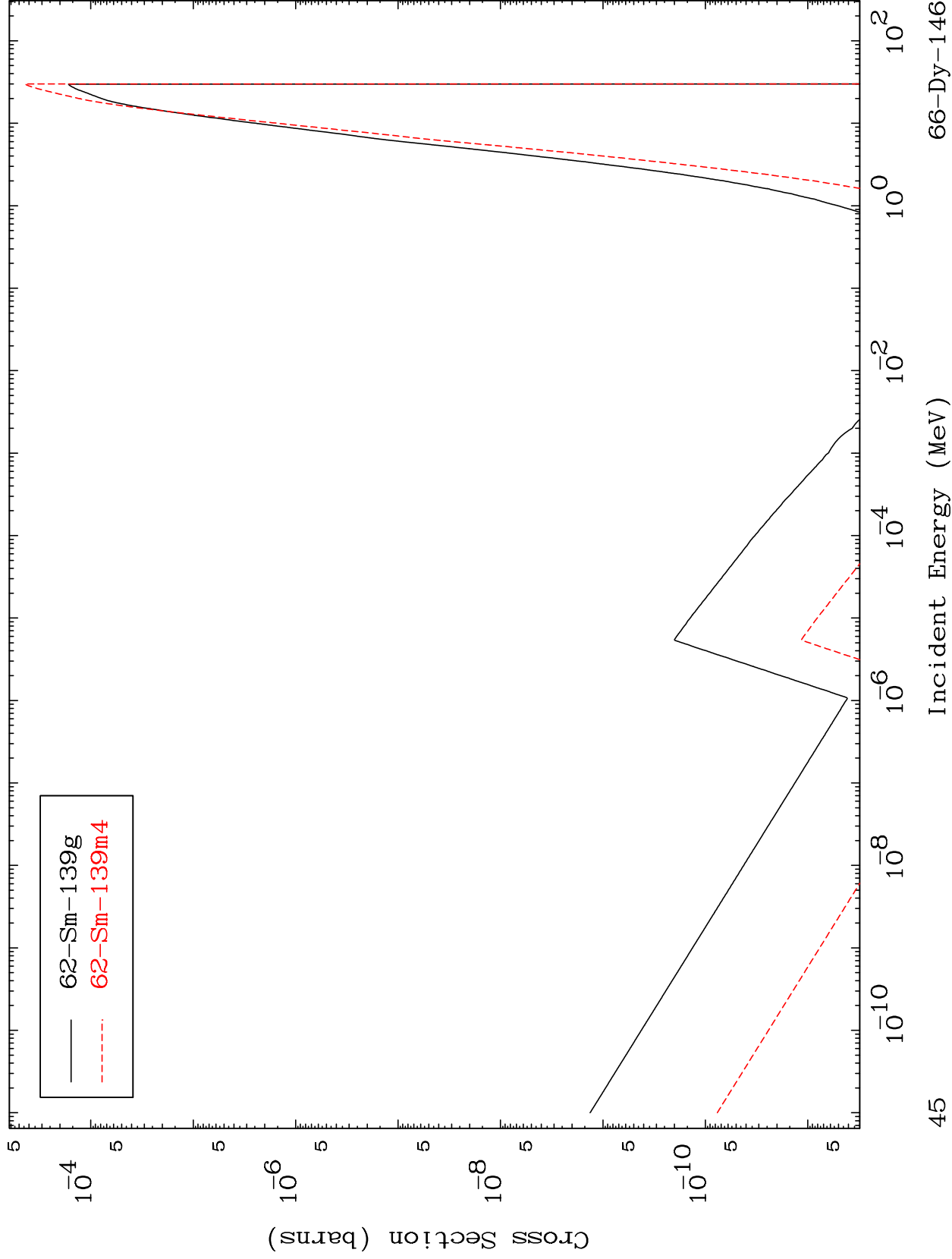


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(n,2α)

66-Dy-146

Radionuclide Production Cross Section



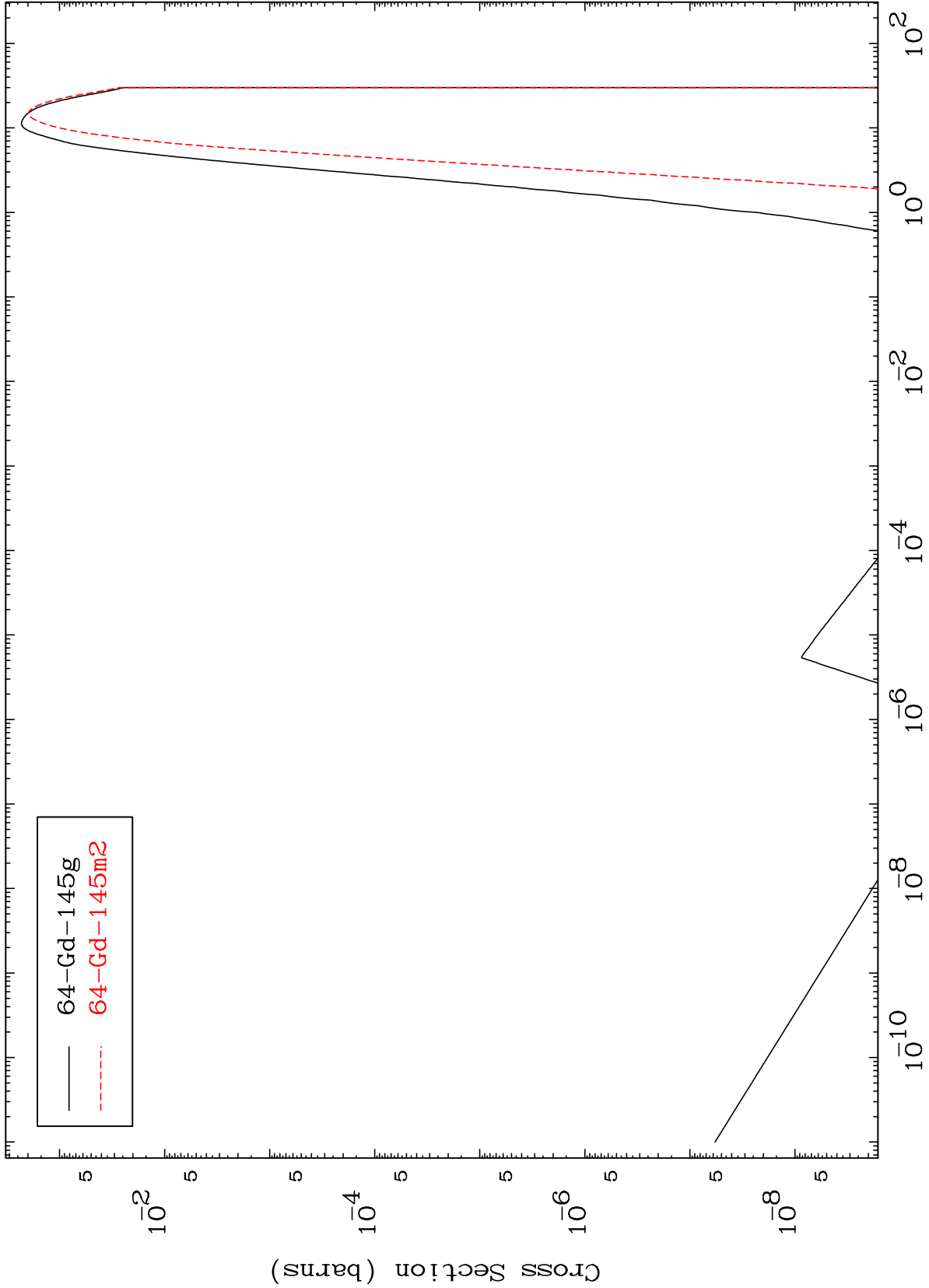
45

MAT 6595

(n,2p)

66-Dy-146

Radionuclide Production Cross Section



46

Incident Energy (MeV)

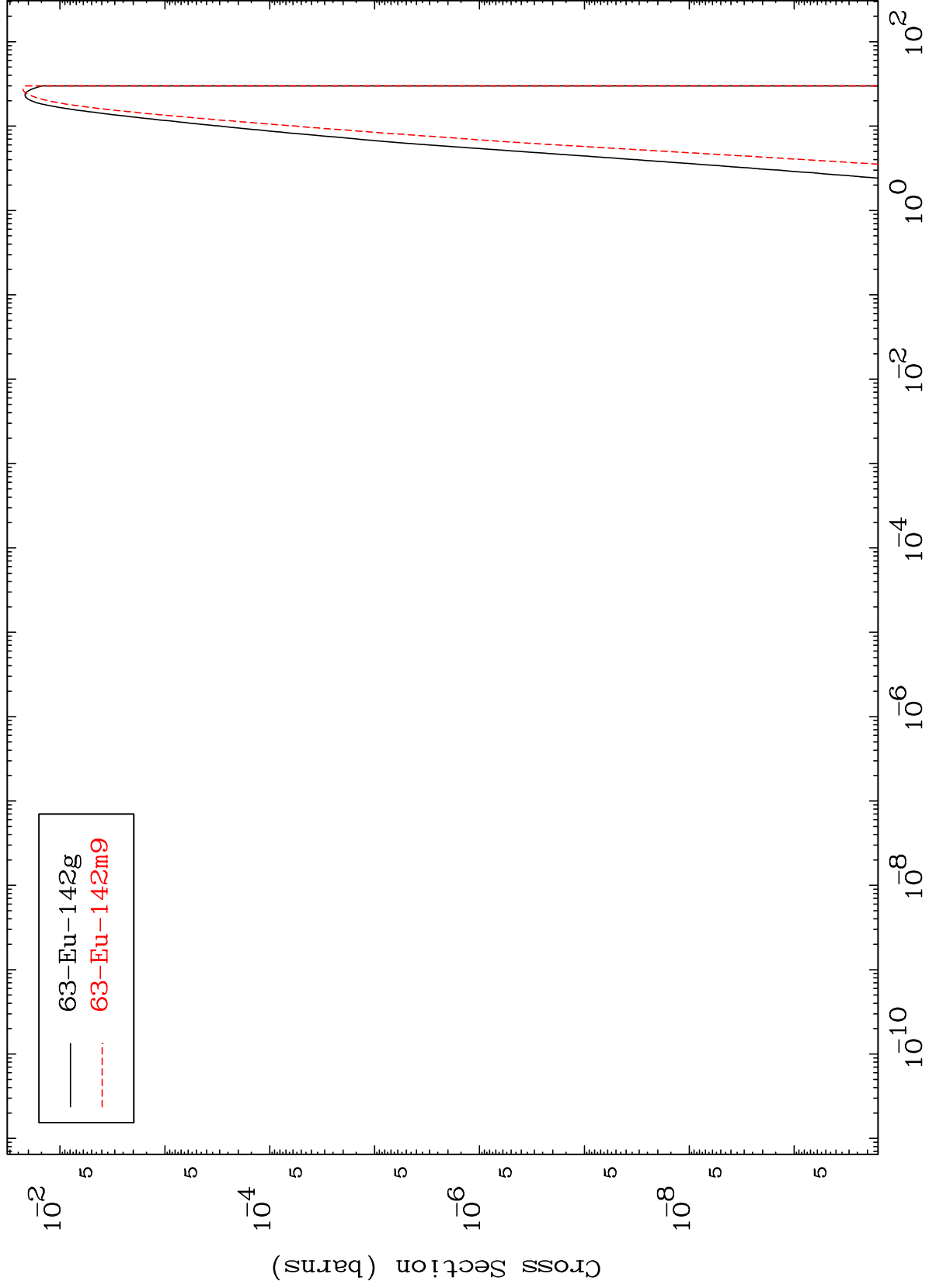
66-Dy-146

MAT 6595

(n,p) α

⁶⁶Dy-146

Radionuclide Production Cross Section



47

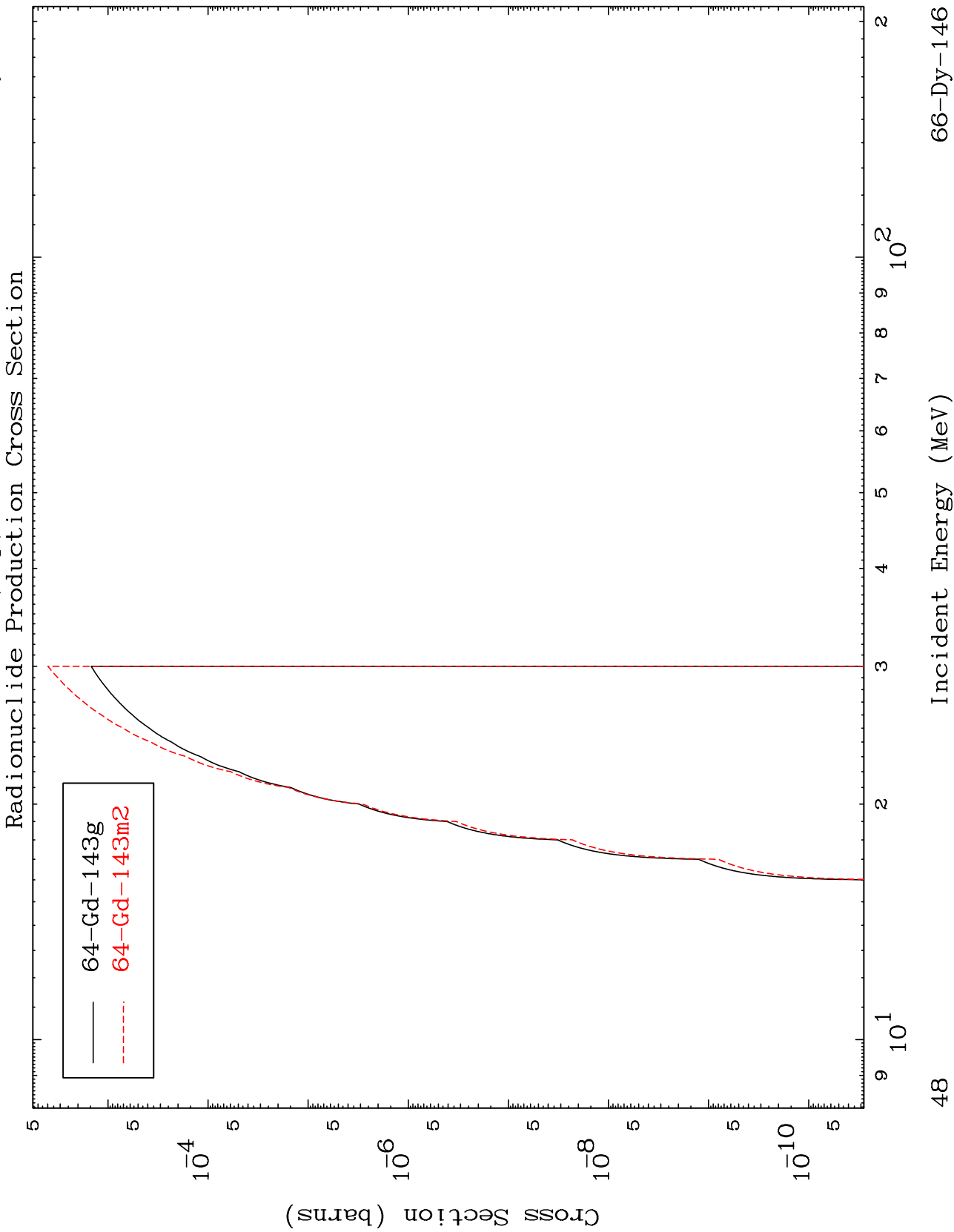
Incident Energy (MeV)

⁶⁶Dy-146

MAT 6595

(n,p) t

66-Dy-146



48

66-Dy-146

MAT 6595

(n,d) α

66-Dy-146

