

Program EVALPLOT
(Version 2015-2)

by

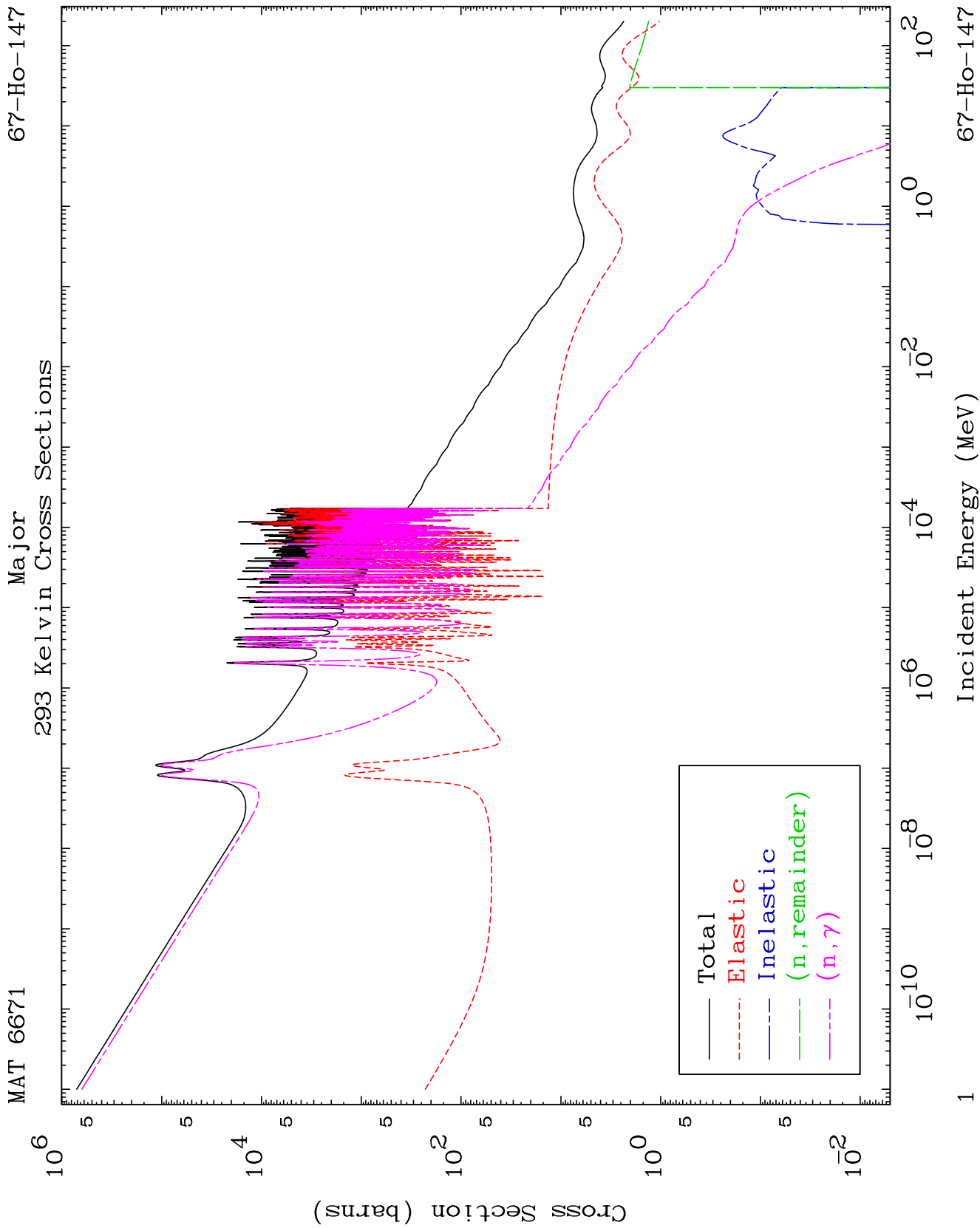
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

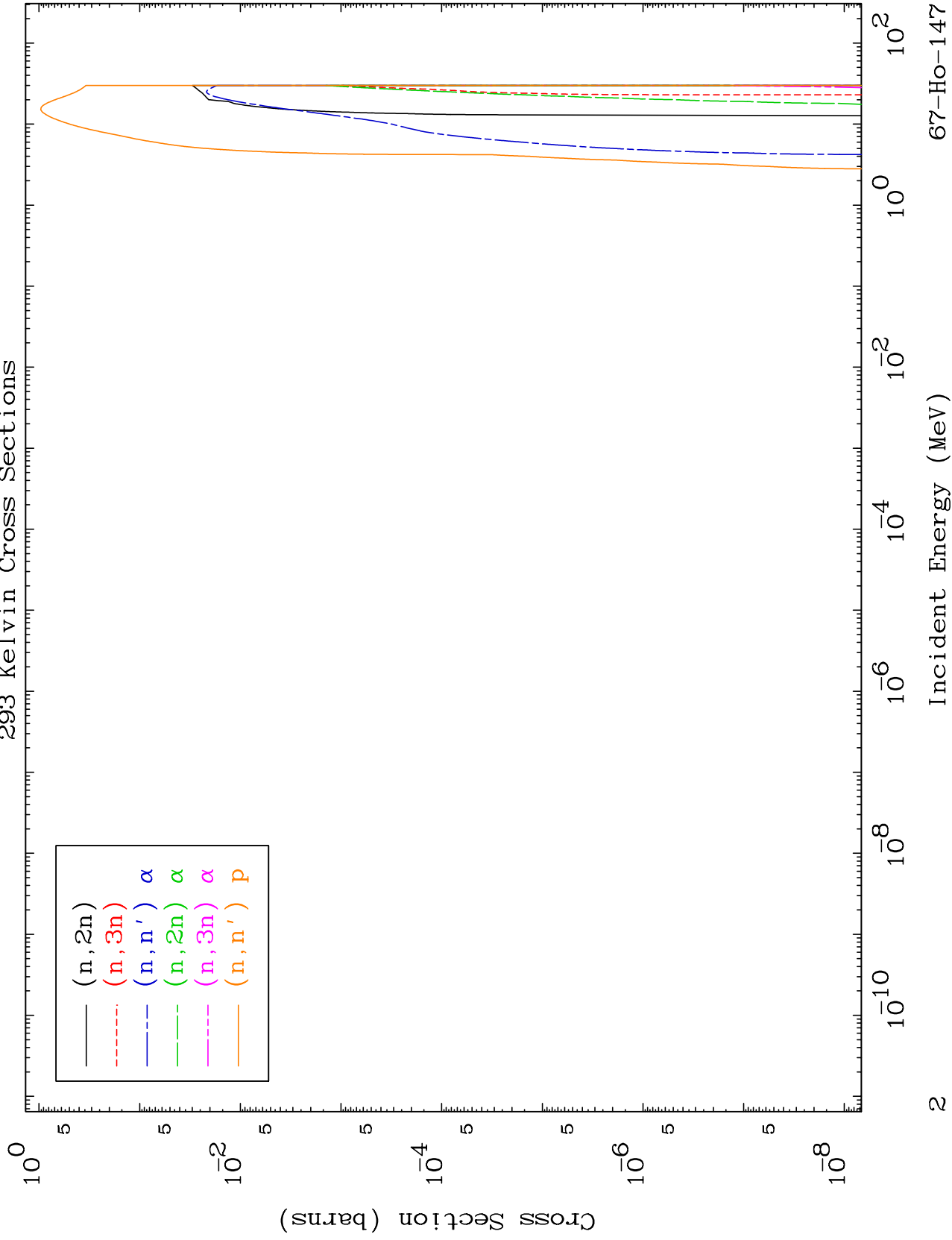
Press Mouse Button to Start



MAT 6671

Neutron Production
293 Kelvin Cross Sections

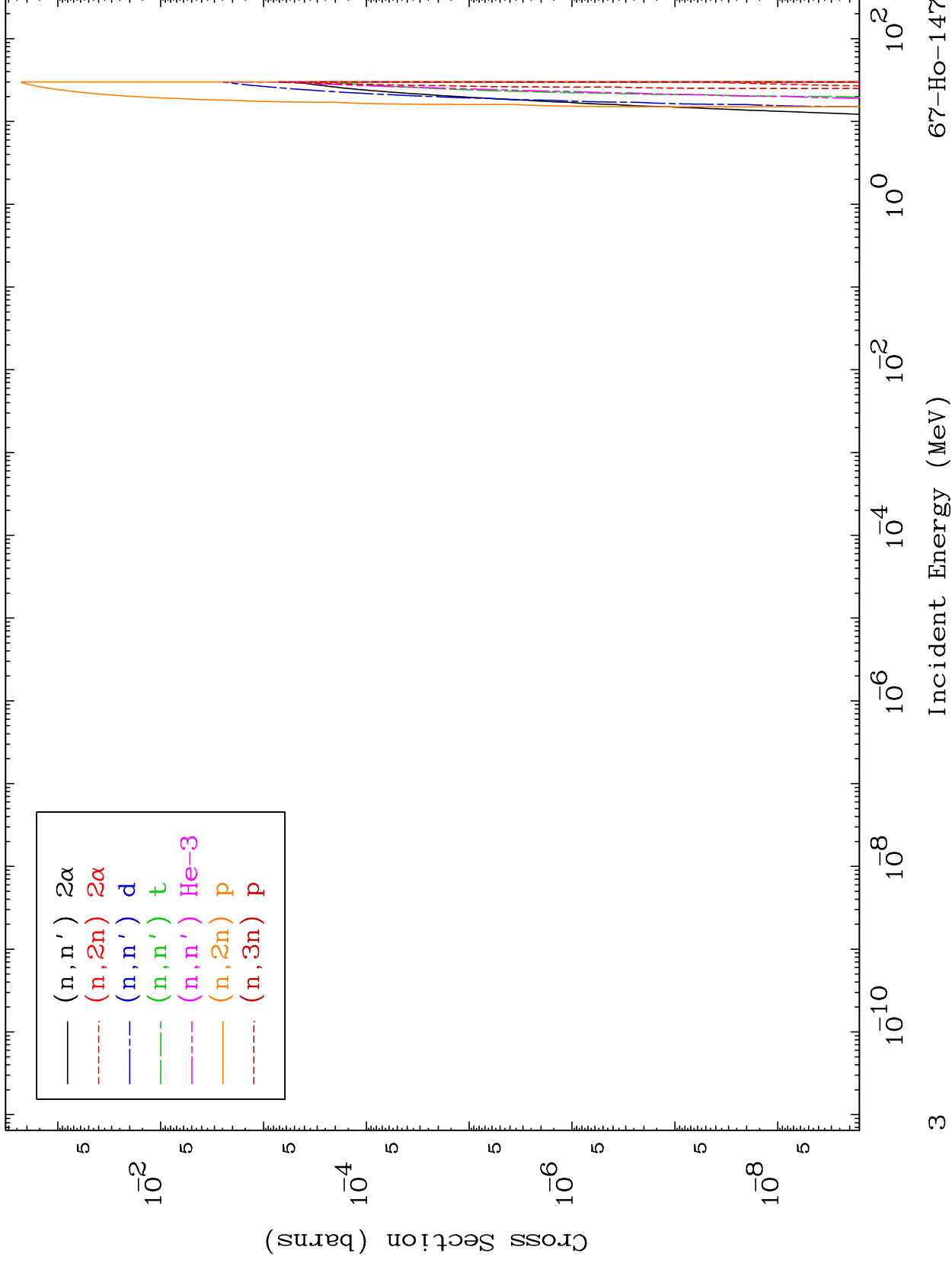
67-Ho-147



MAT 6671

Neutron Production
293 Kelvin Cross Sections

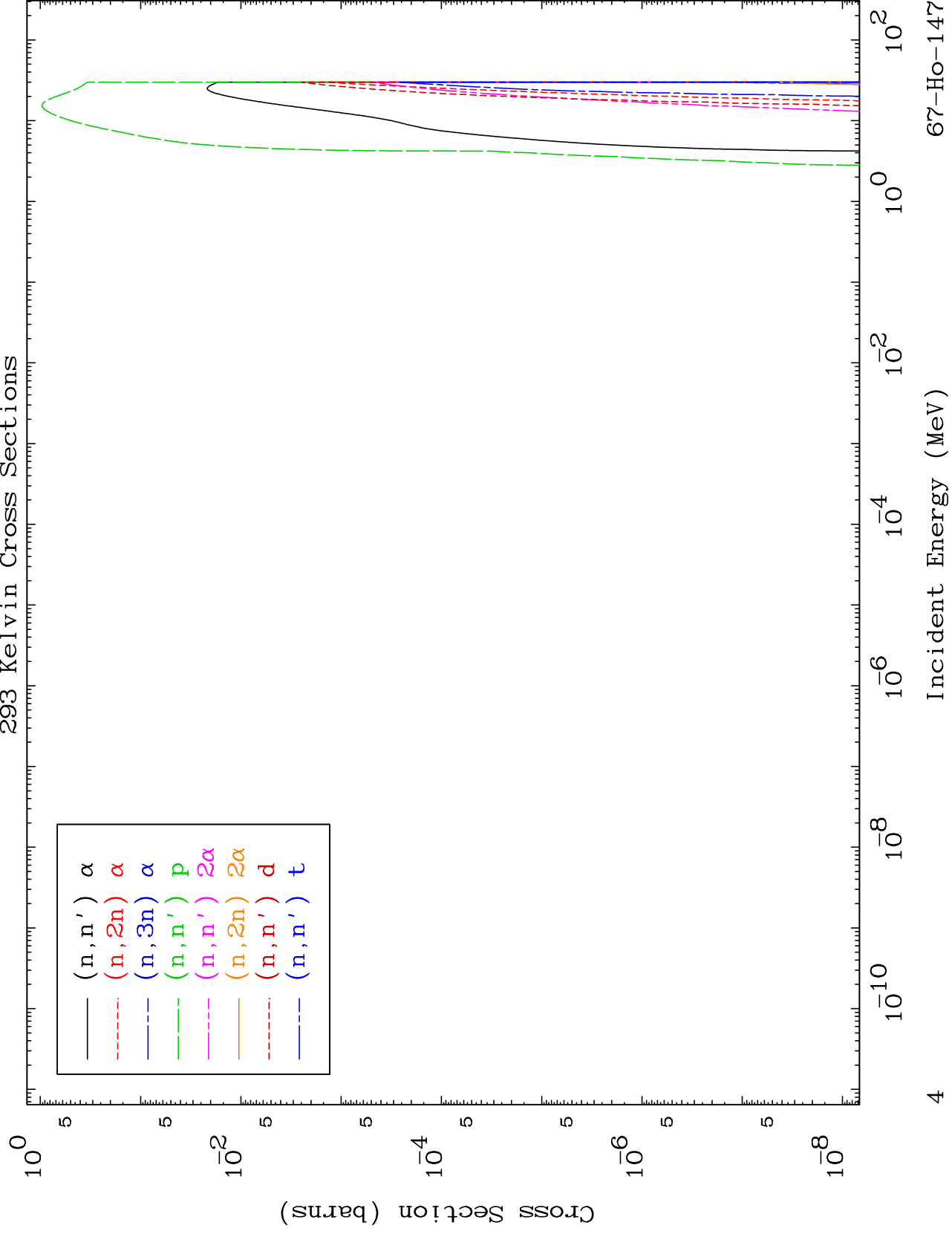
67-Ho-147



MAT 6671

Charged Particle
293 Kelvin Cross Sections

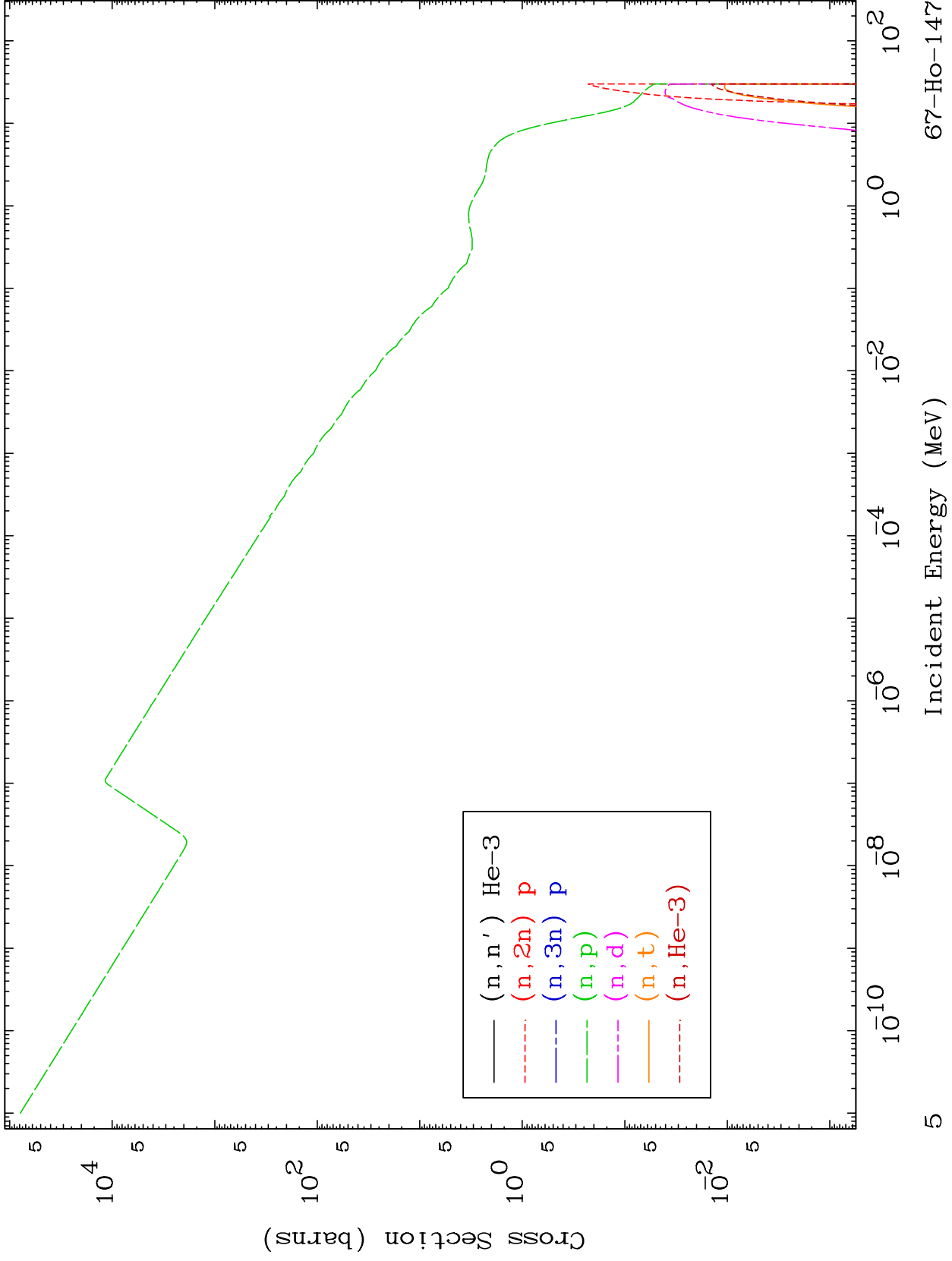
67-Ho-147



MAT 6671

Charged Particle
293 Kelvin Cross Sections

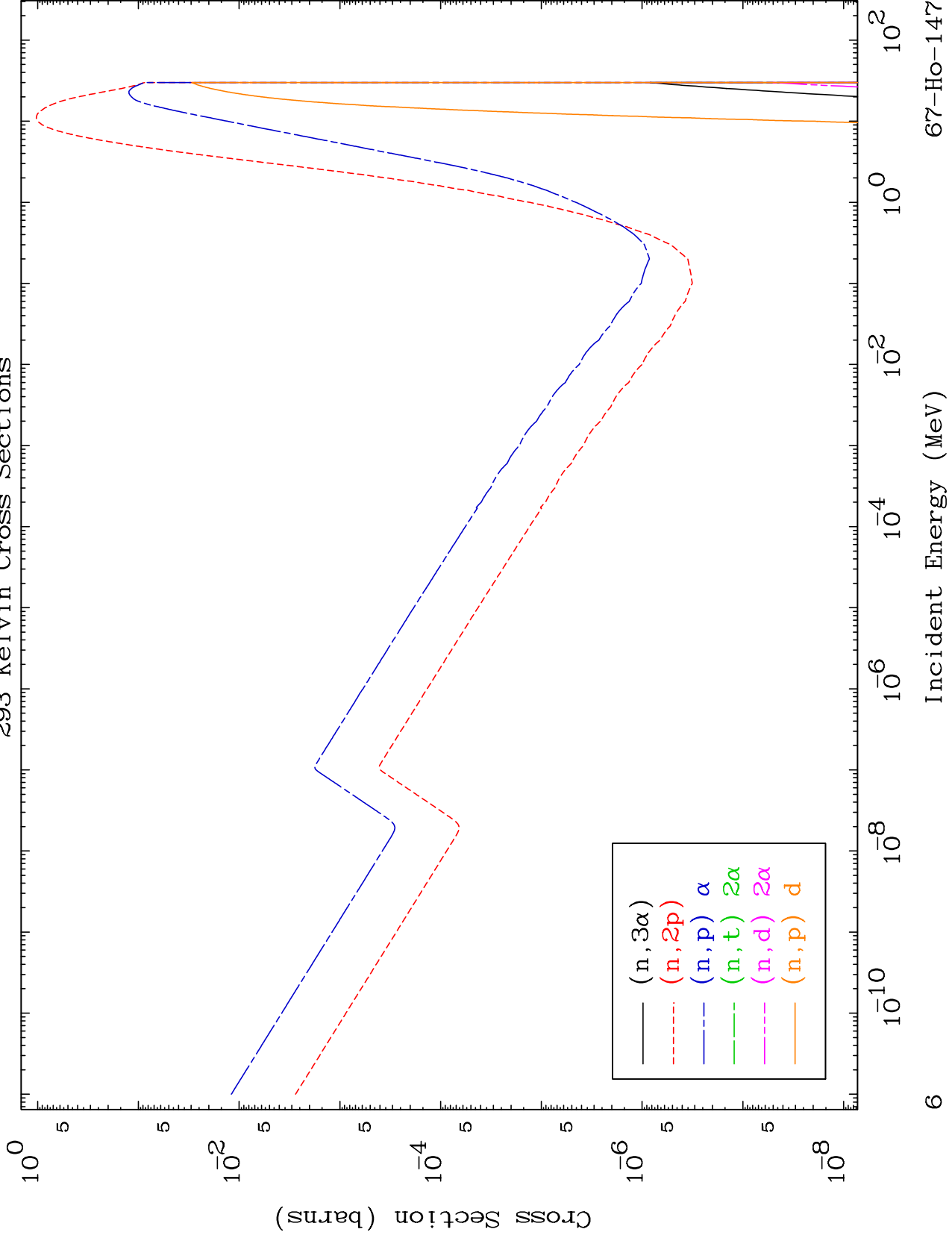
67-Ho-147



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Charged Particle
293 Kelvin Cross Sections

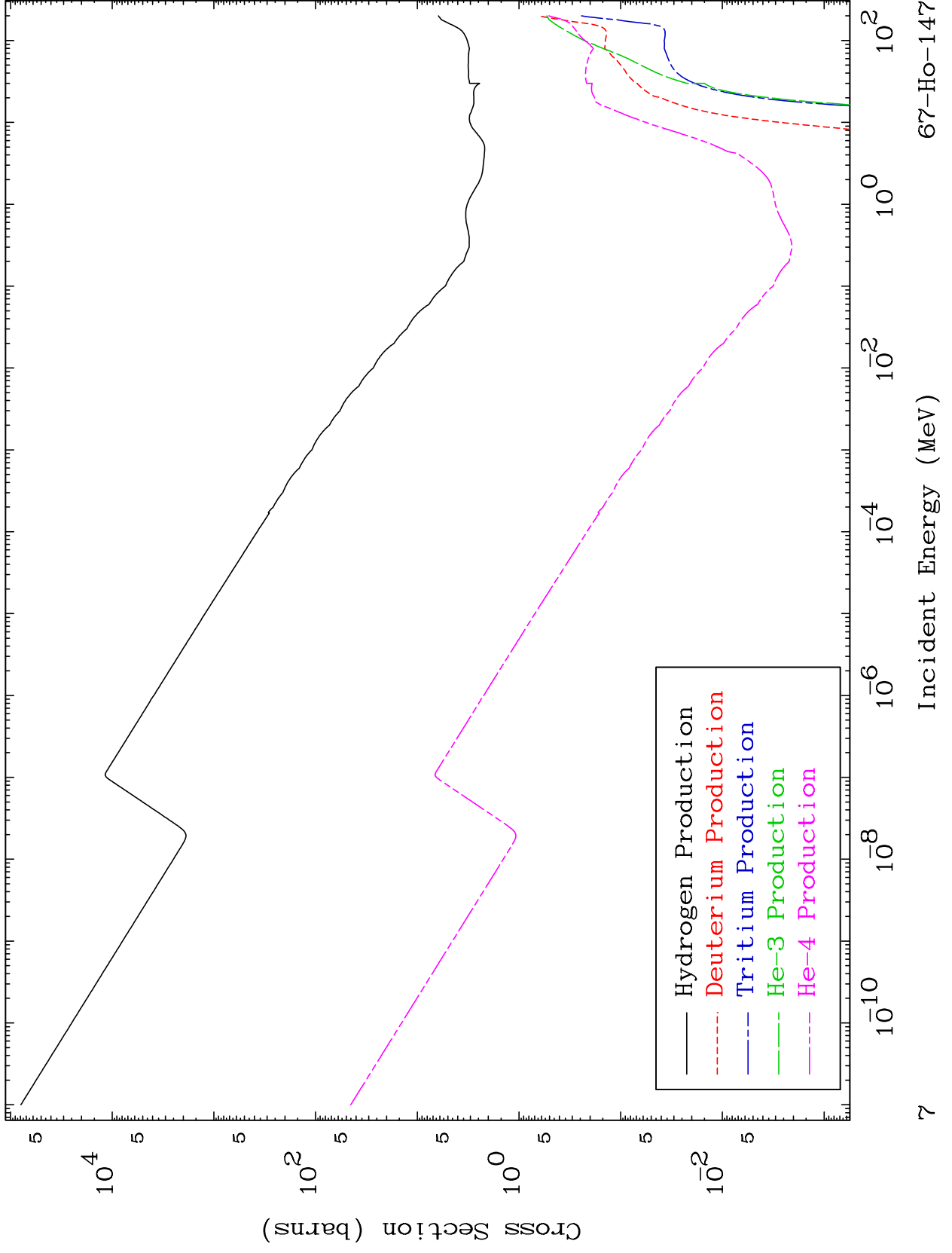
67-Ho-147



MAT 6671

Particle Production
293 Kelvin Cross Sections

67-Ho-147

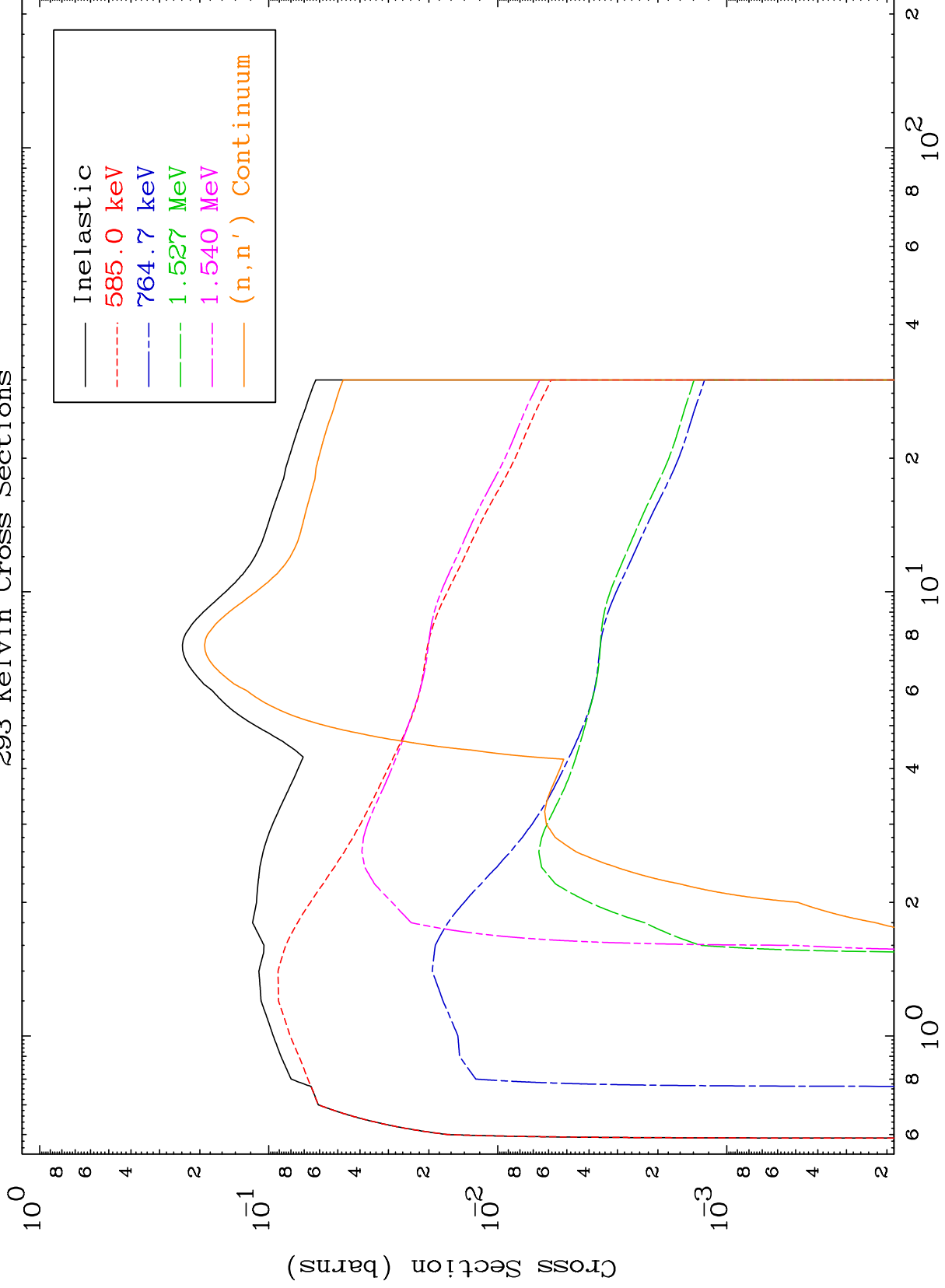


MAT 6671

(n,n') Level

67-Ho-147

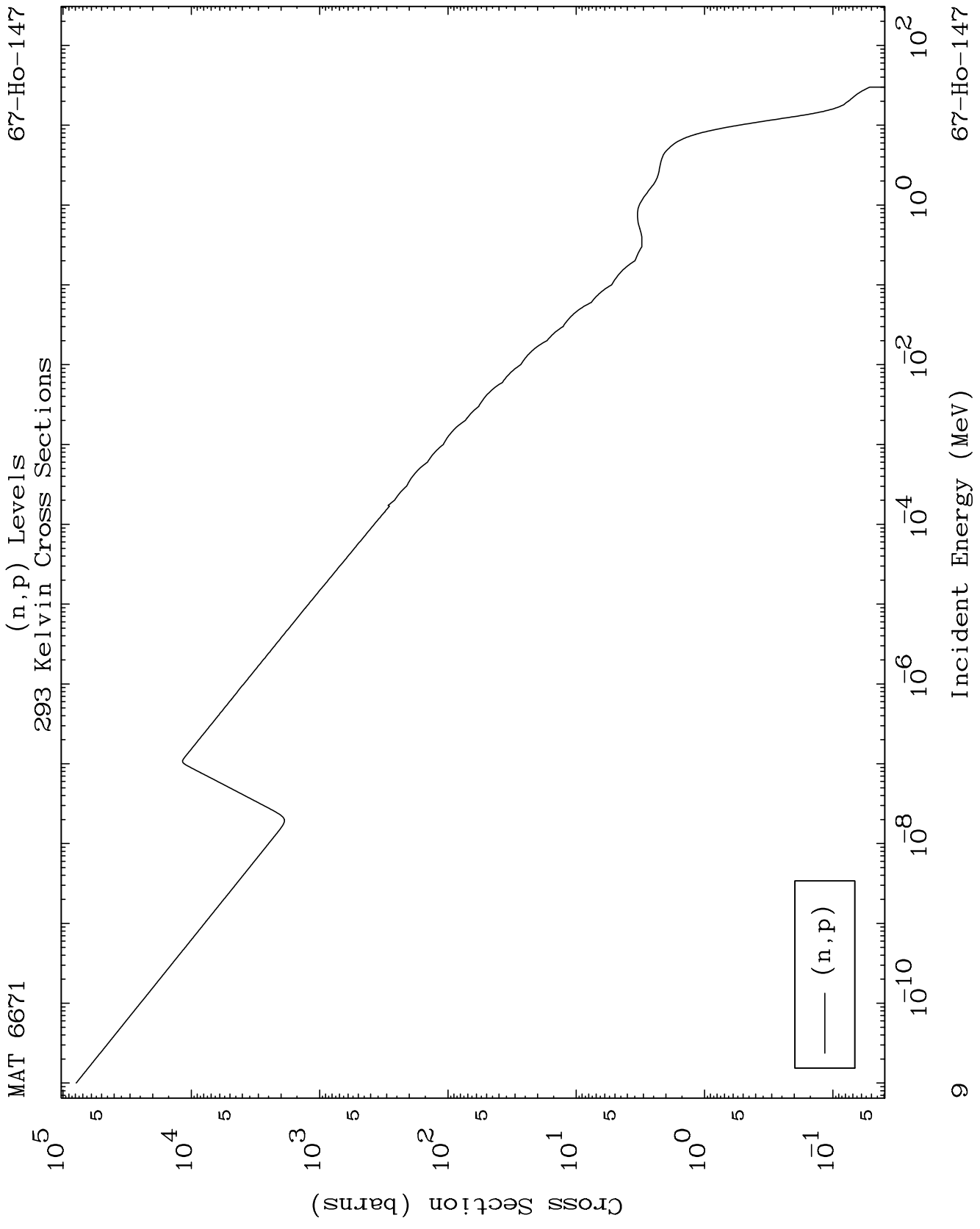
293 Kelvin Cross Sections



Incident Energy (MeV)

67-Ho-147

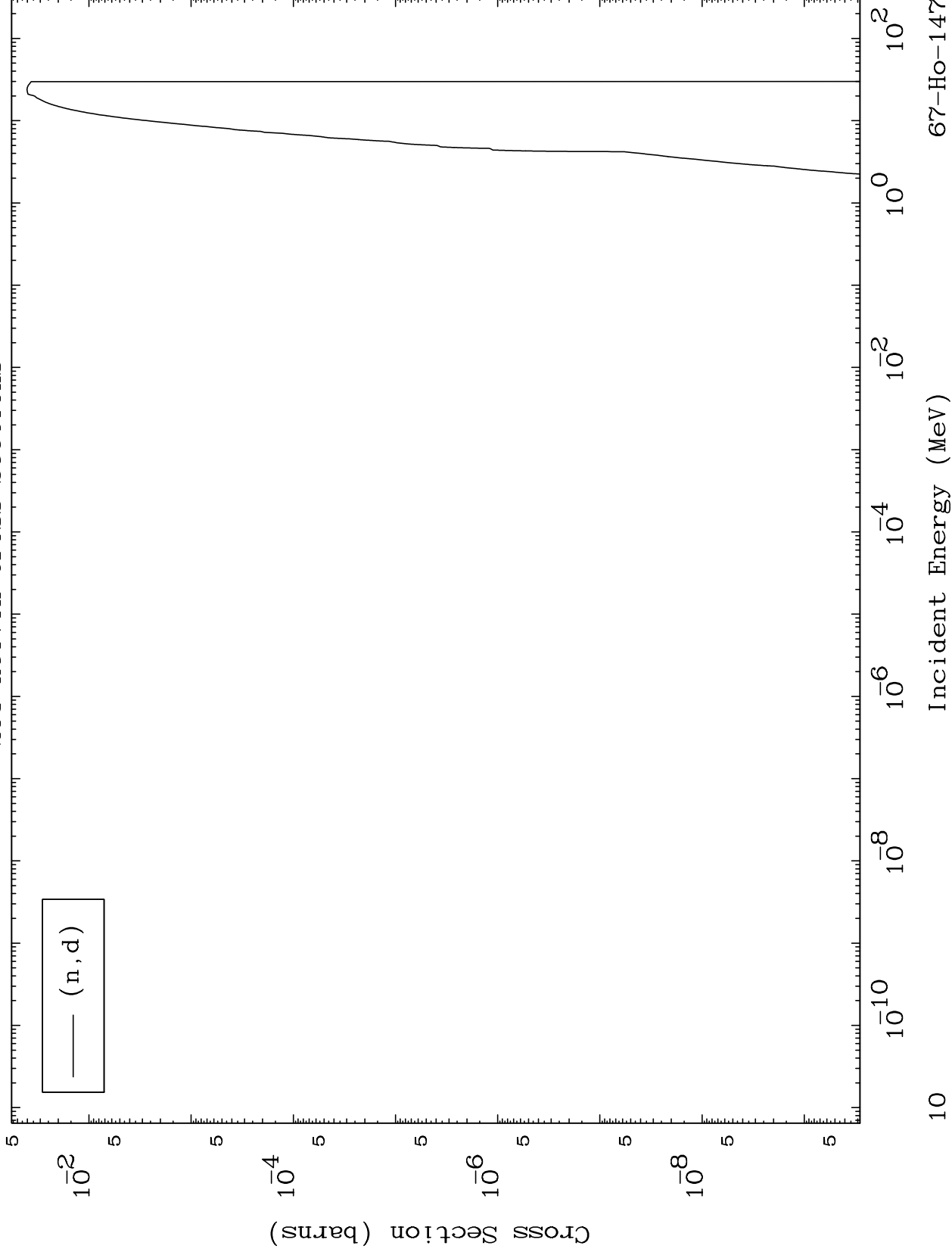
8



MAT 6671

(n,d) Levels
293 Kelvin Cross Sections

67-Ho-147



10

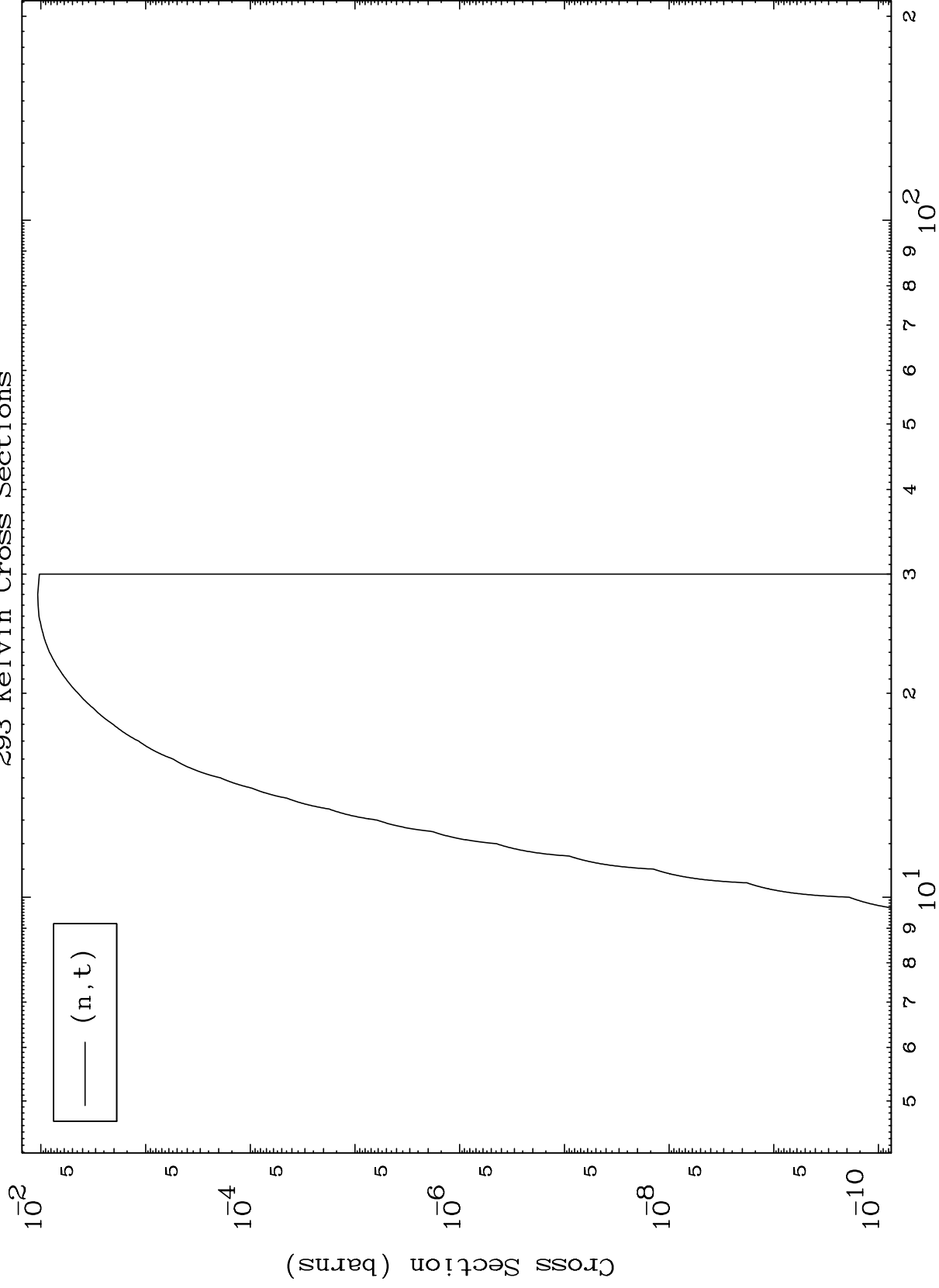
Incident Energy (MeV)

67-Ho-147

MAT 6671

(n,t) Levels
293 Kelvin Cross Sections

67-Ho-147



11

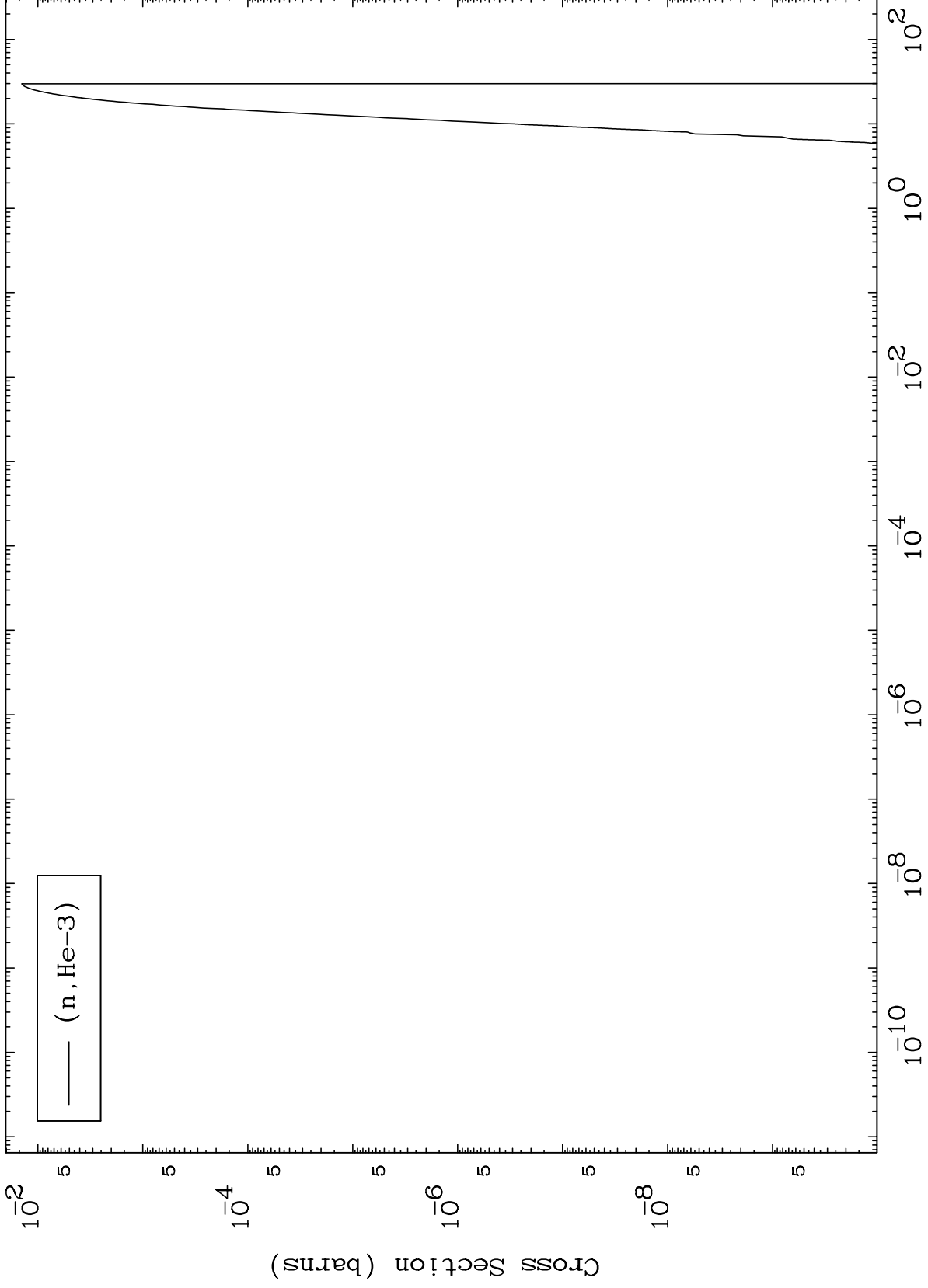
Incident Energy (MeV)

67-Ho-147

MAT 6671

(n,He3) Levels
293 Kelvin Cross Sections

67-Ho-147



12

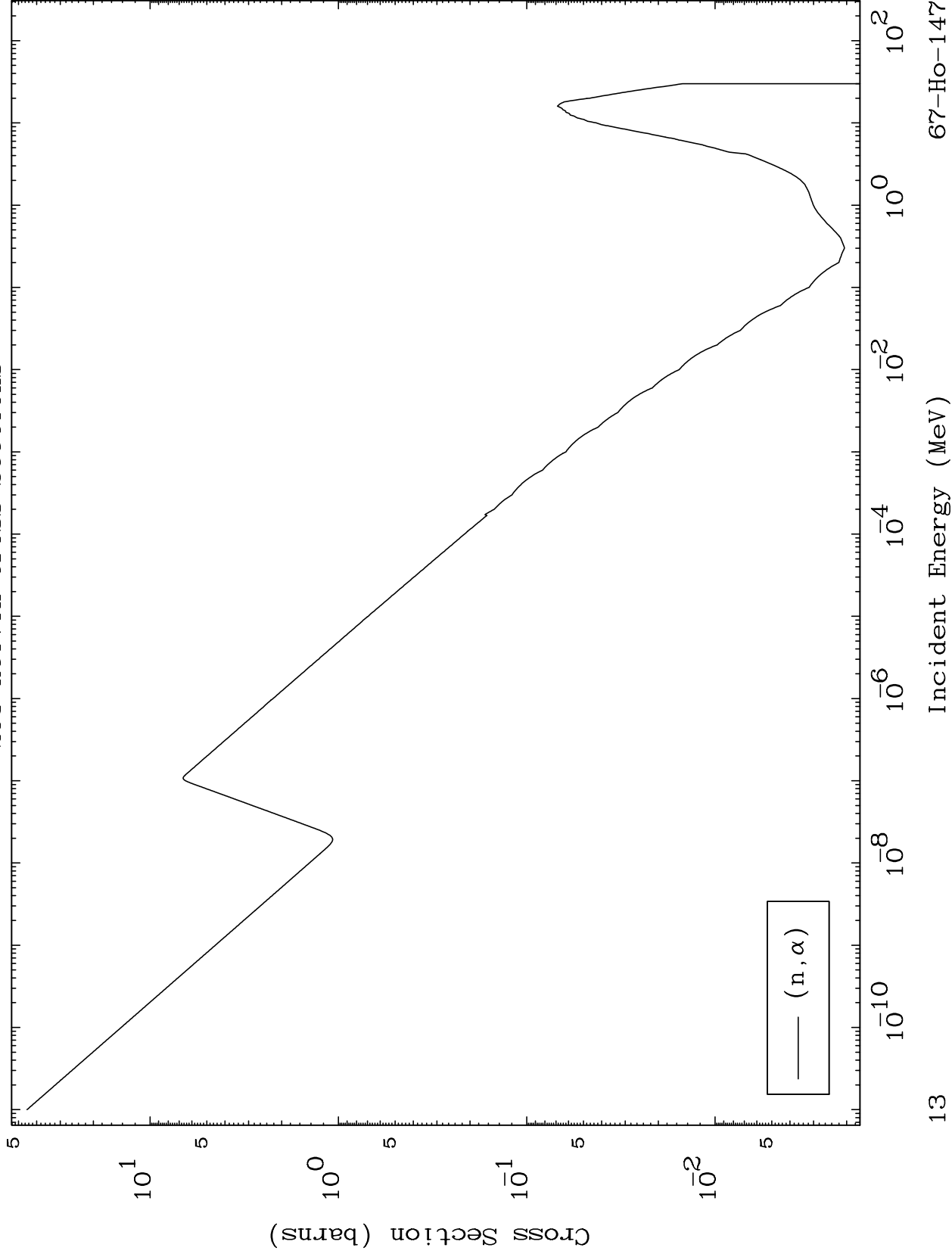
Incident Energy (MeV)

67-Ho-147

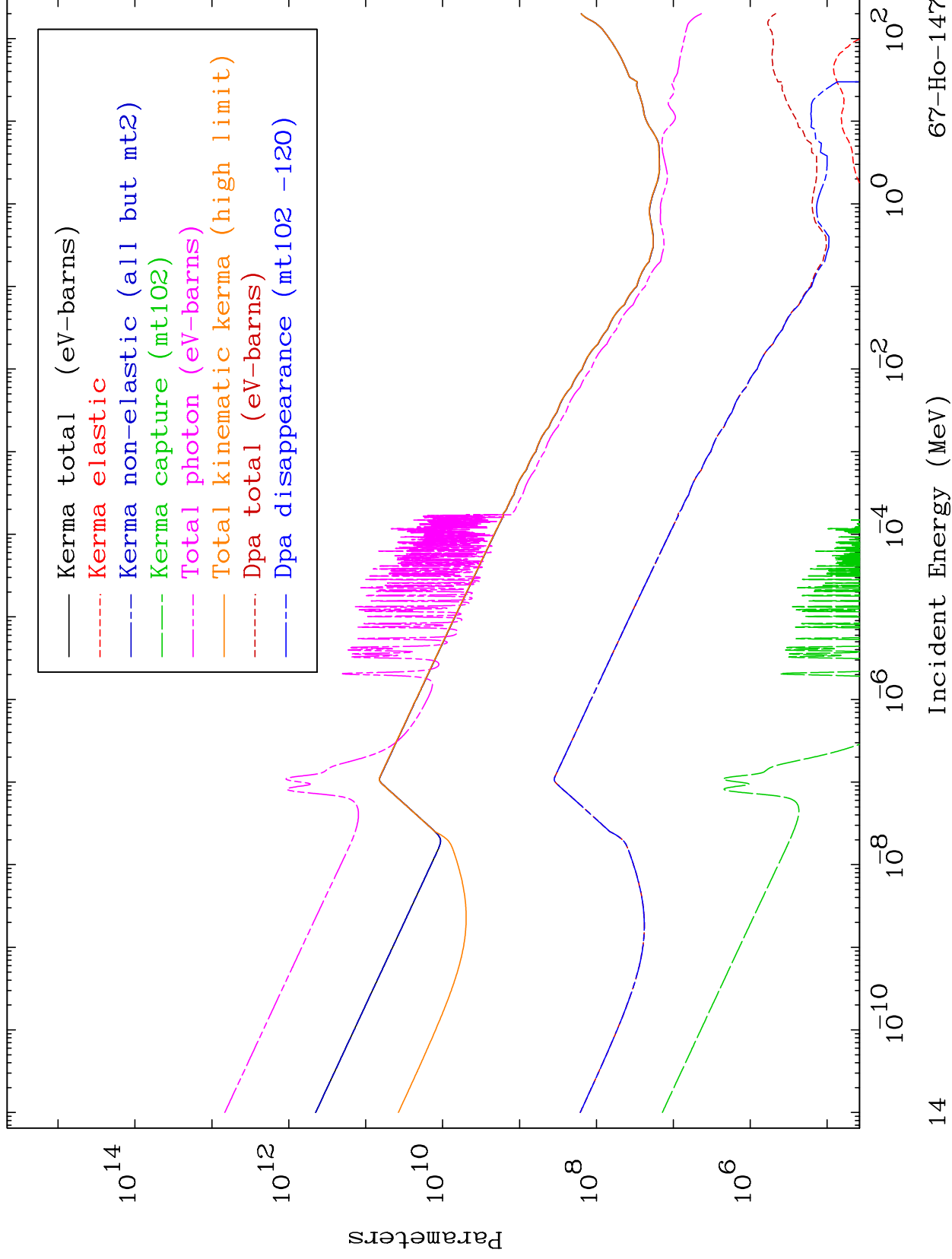
MAT 6671

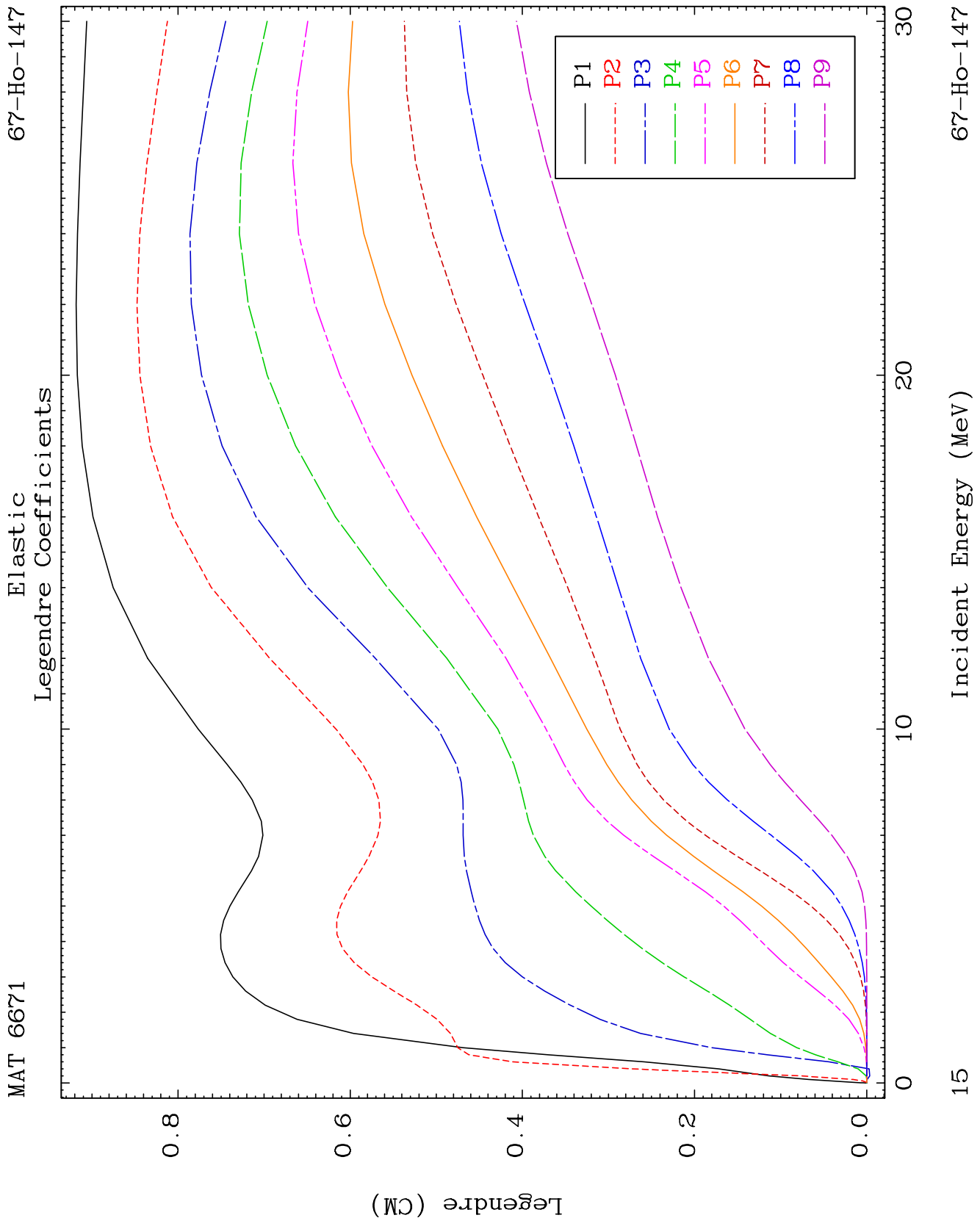
(n,α) Levels
293 Kelvin Cross Sections

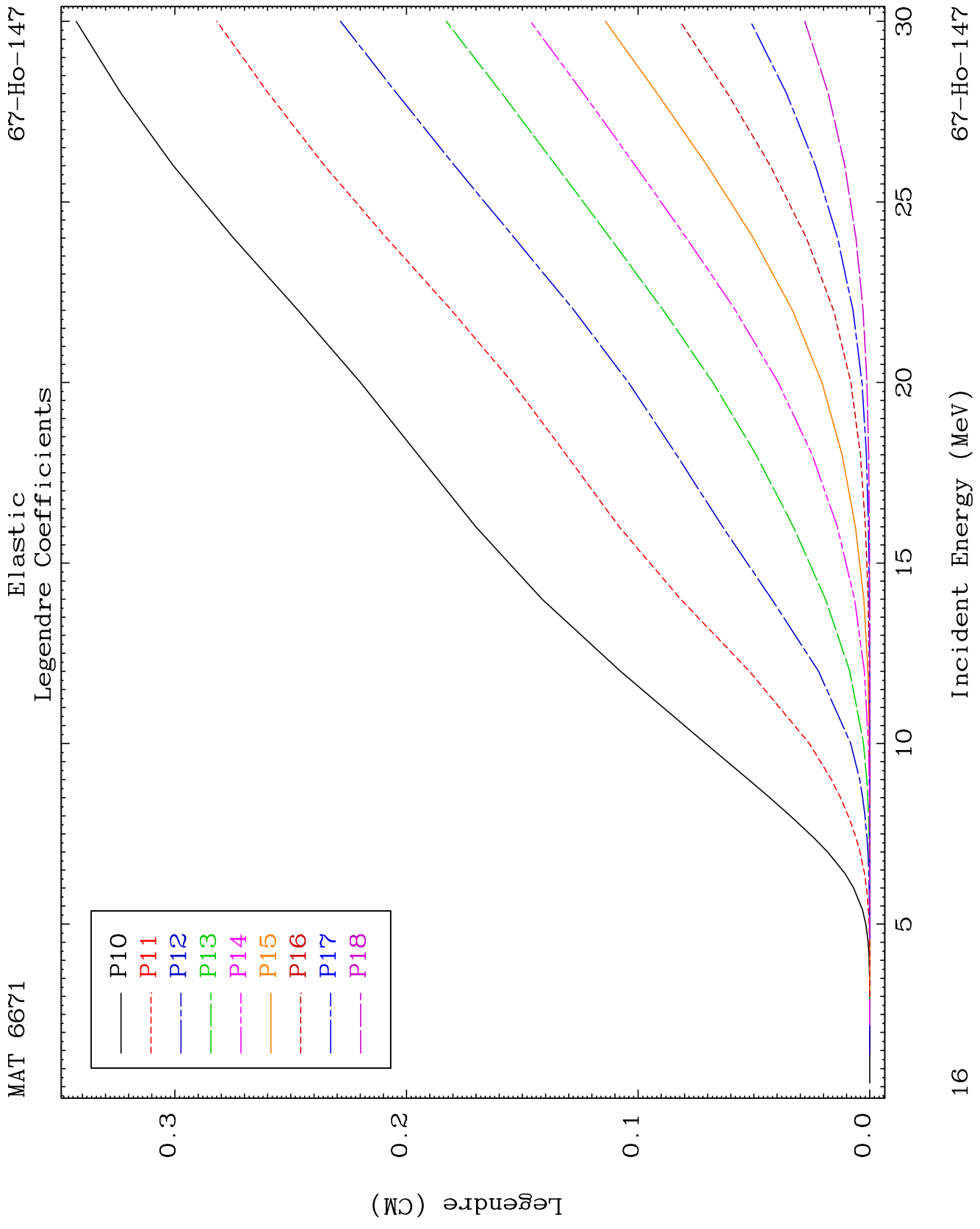
67-Ho-147



13



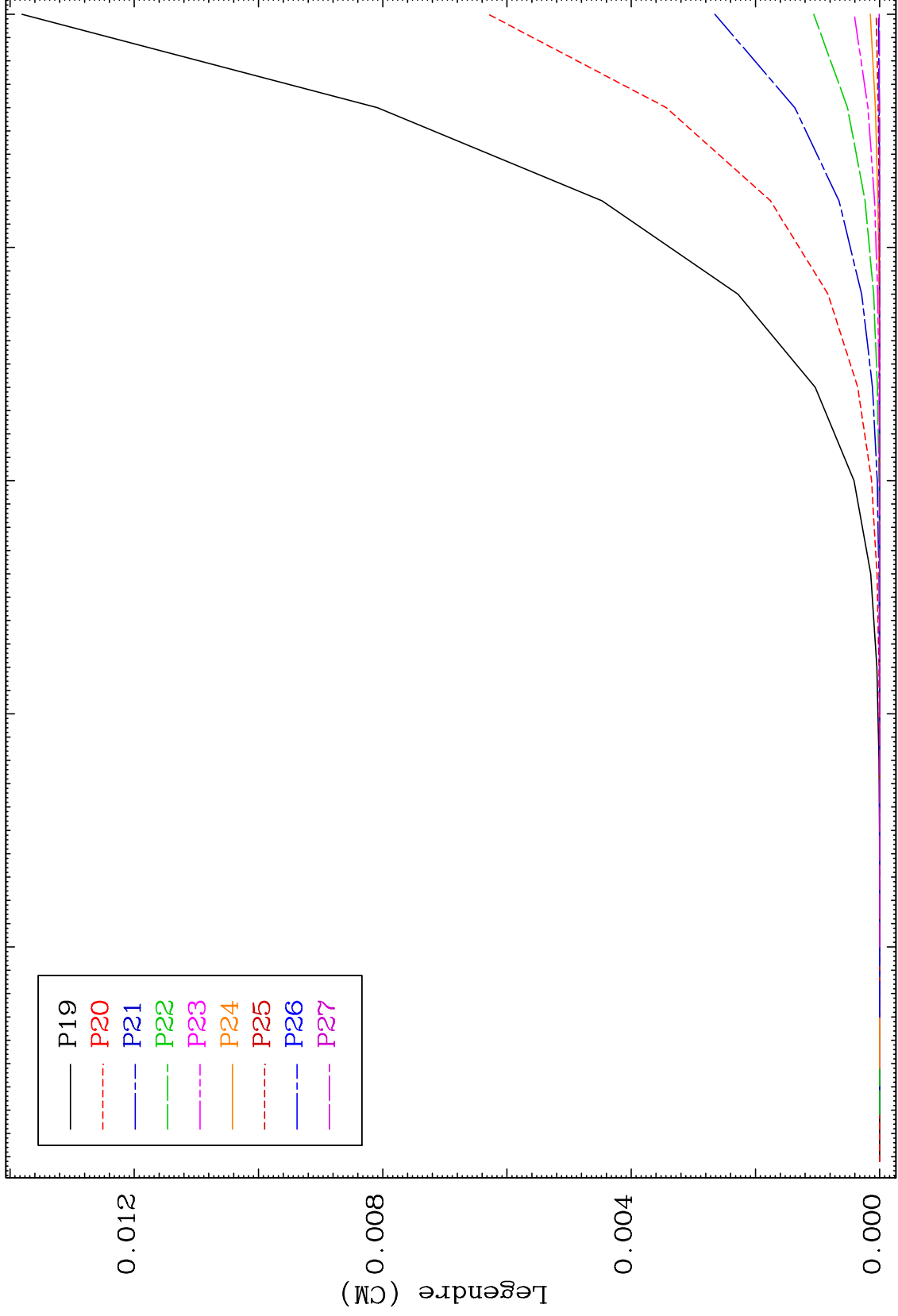




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Elastic Legendre Coefficients

67-Ho-147



17

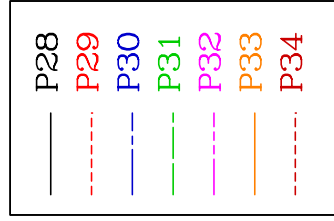
Incident Energy (MeV)

67-Ho-147

MAT 6671

Elastic
Legendre Coefficients

67-Ho-147



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

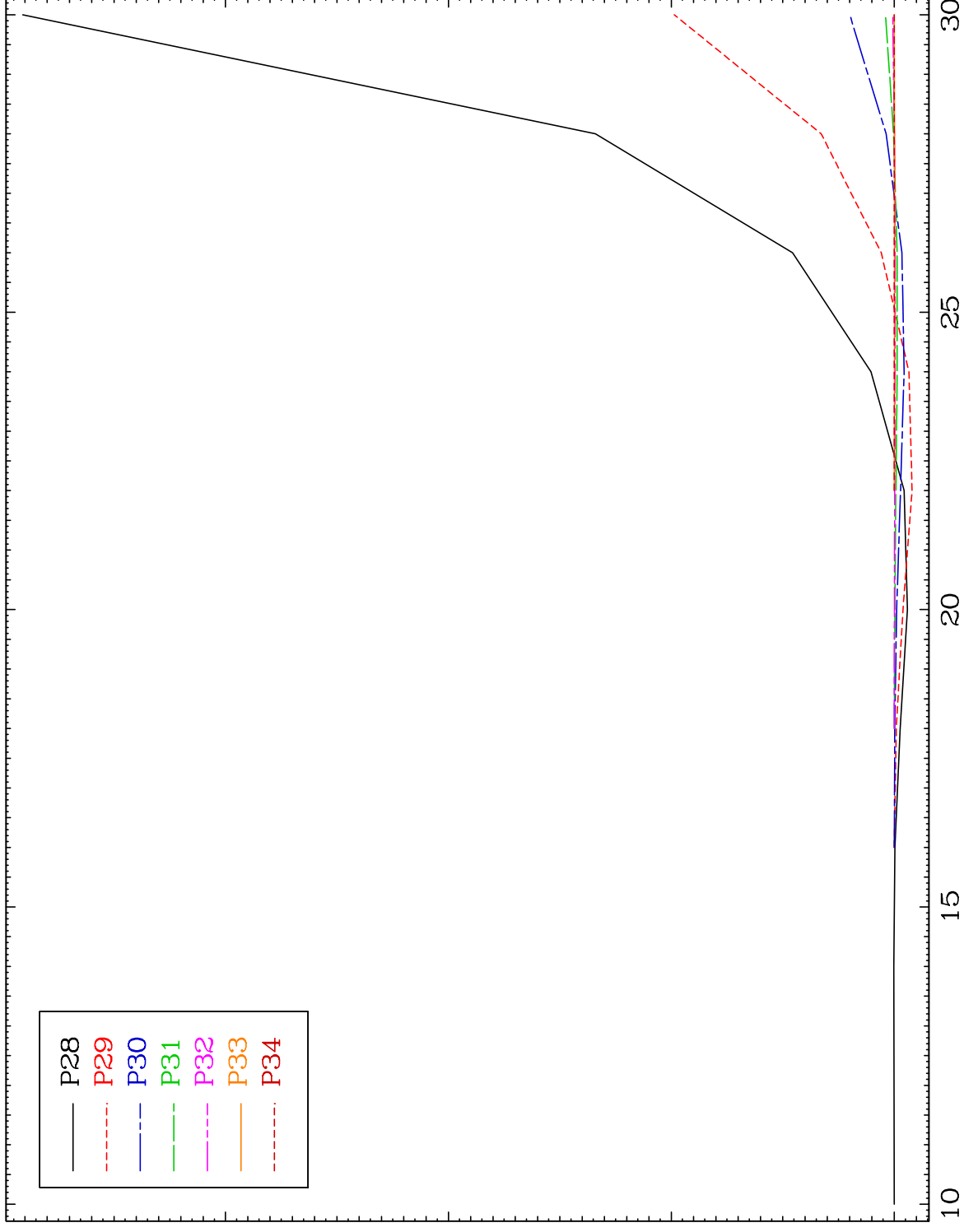
25

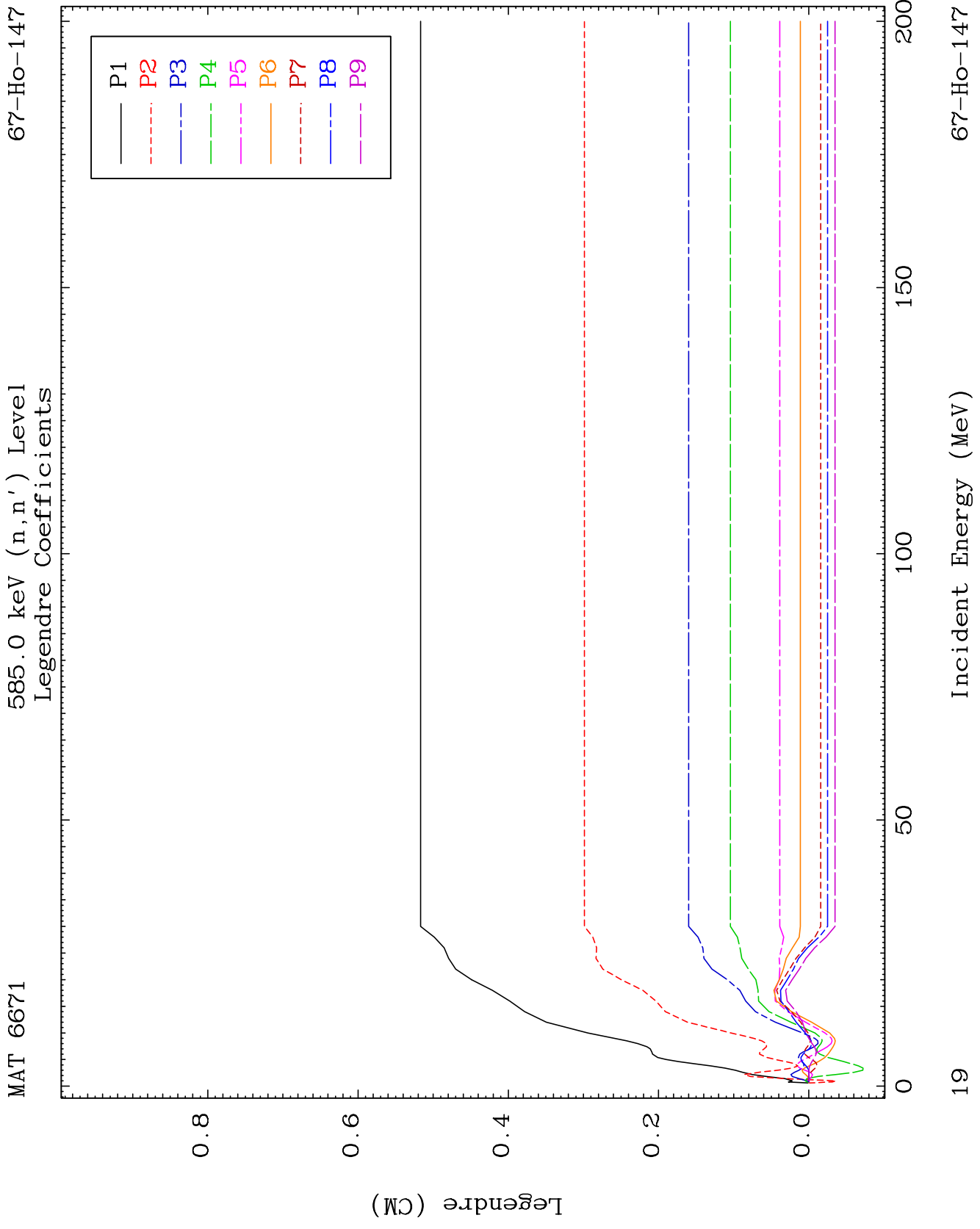
30

18

Incident Energy (MeV)

67-Ho-147

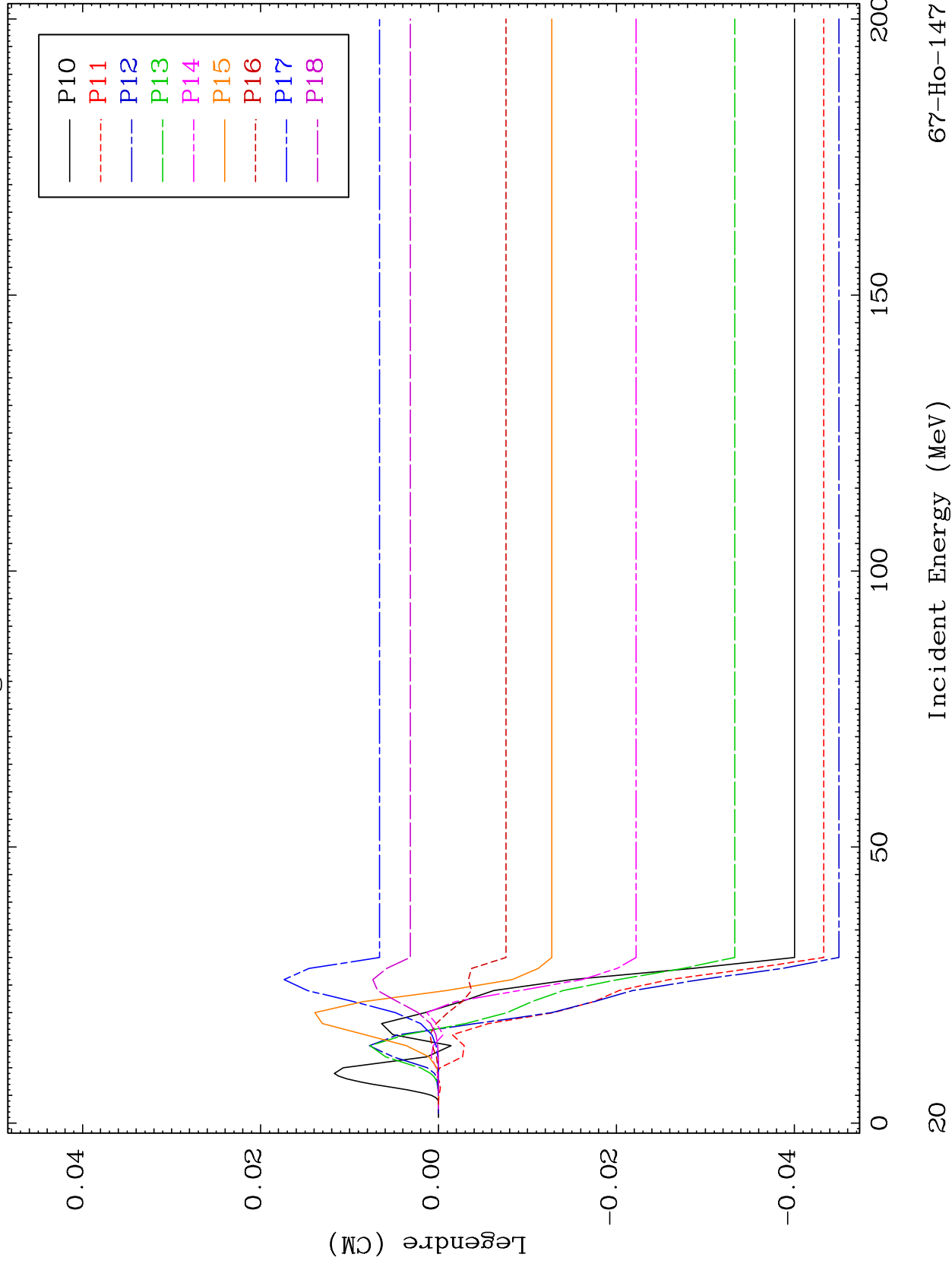




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585.0 keV (n,n') Level
Legendre Coefficients

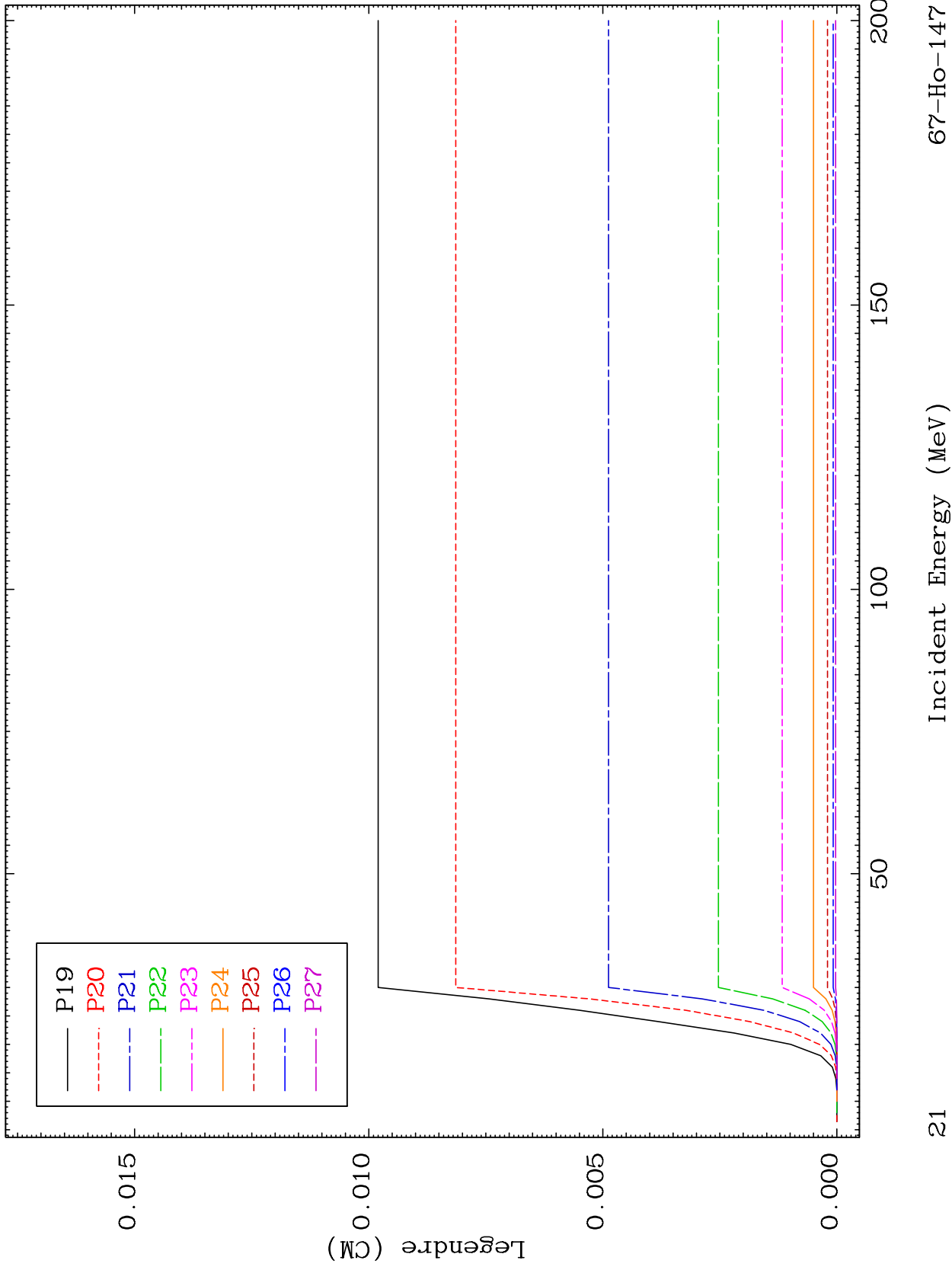
67-Ho-147



67-Ho-147

Incident Energy (MeV)

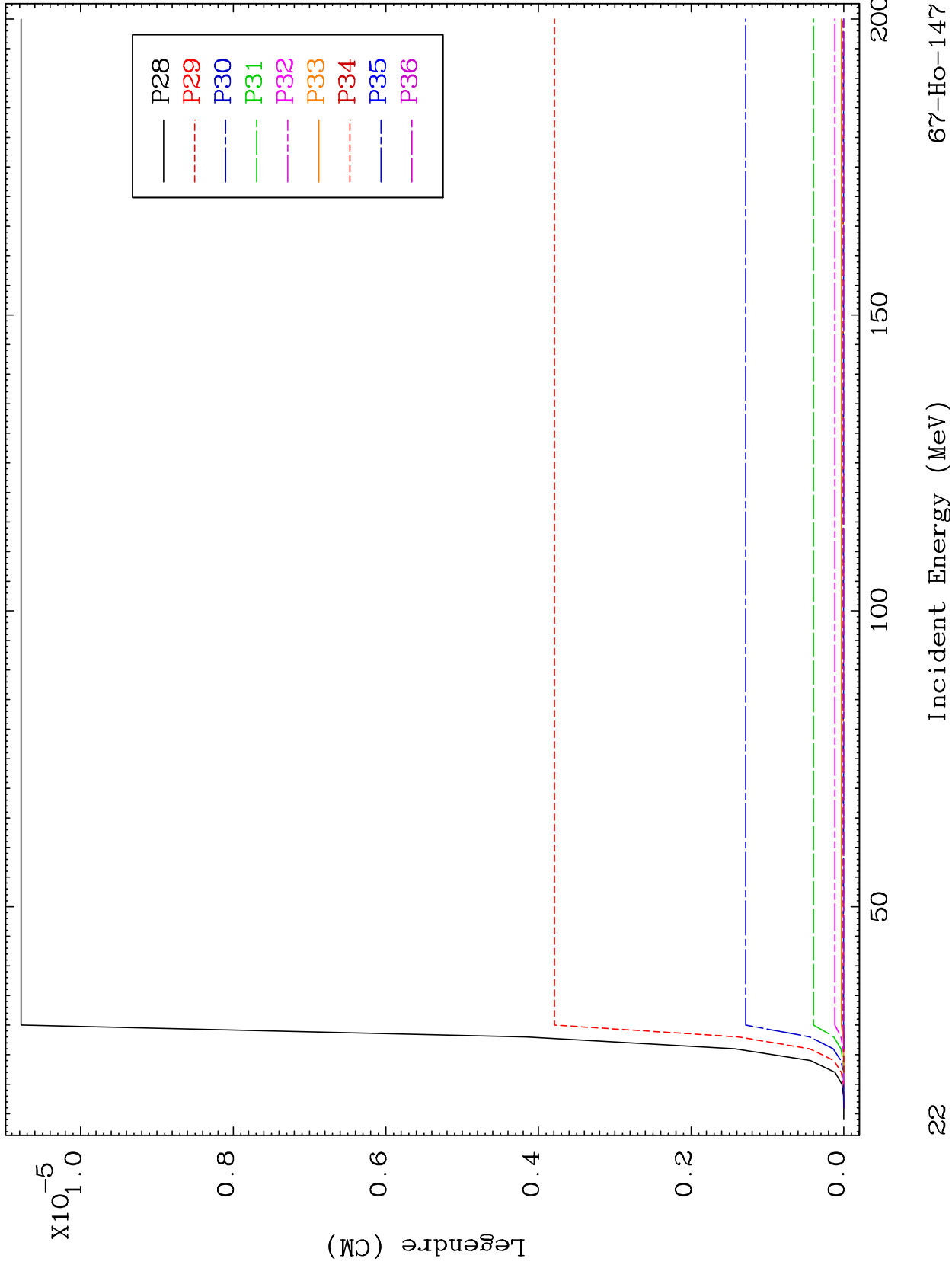
20



MAT 6671

585.0 keV (n,n') Level
Legendre Coefficients

67-Ho-147



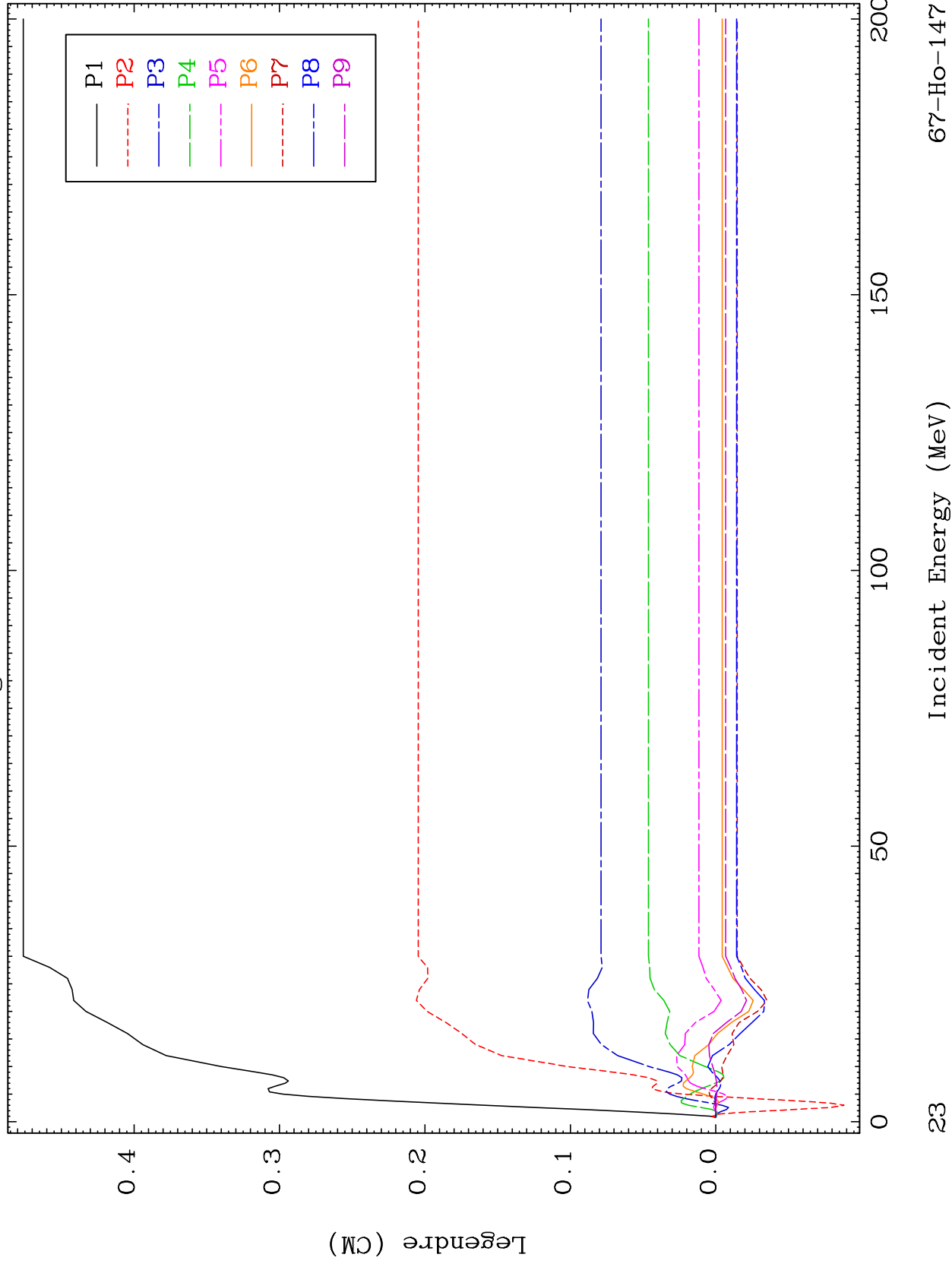
22

67-Ho-147

MAT 6671

764.7 keV (n,n') Level
Legendre Coefficients

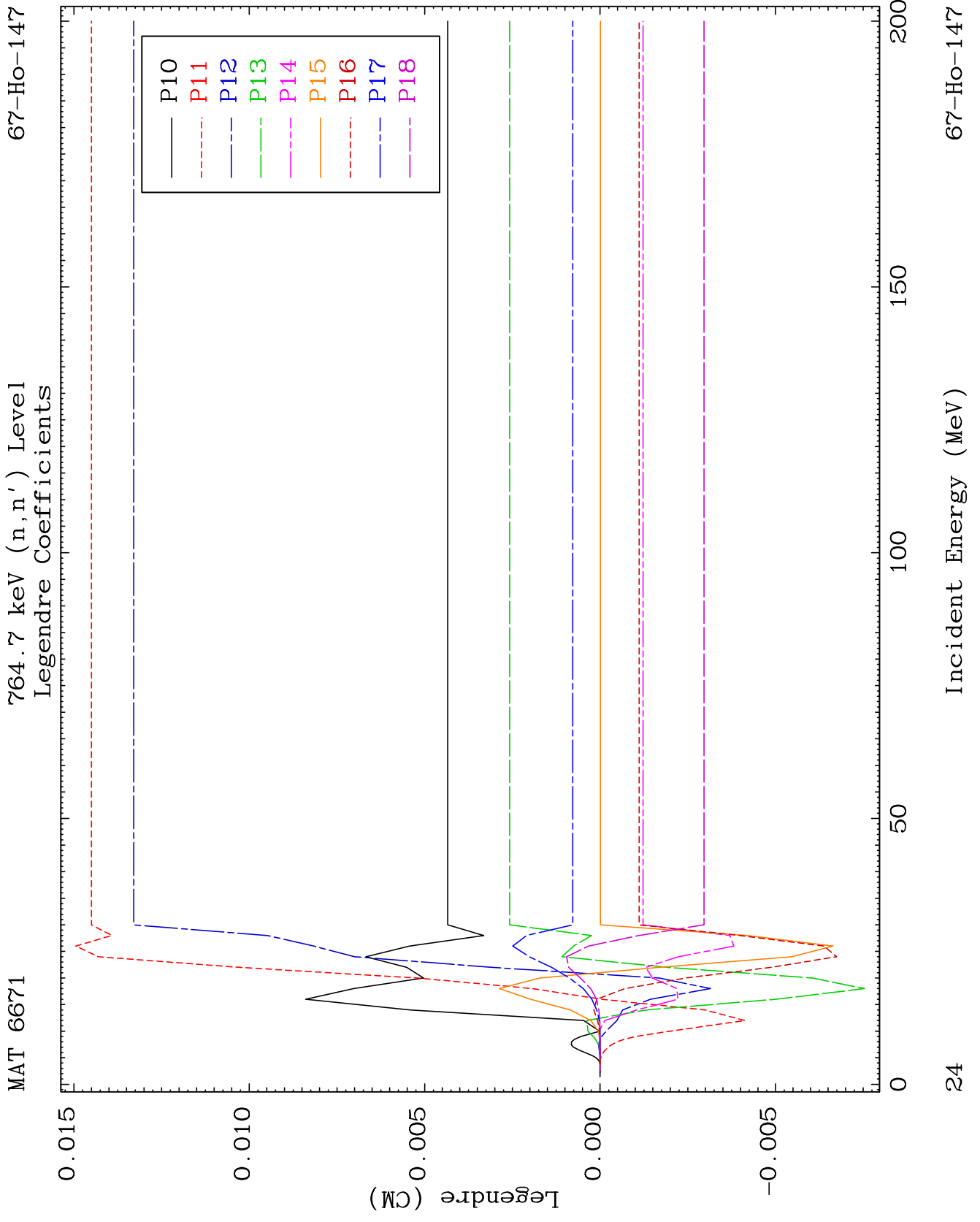
67-Ho-147



67-Ho-147

Incident Energy (MeV)

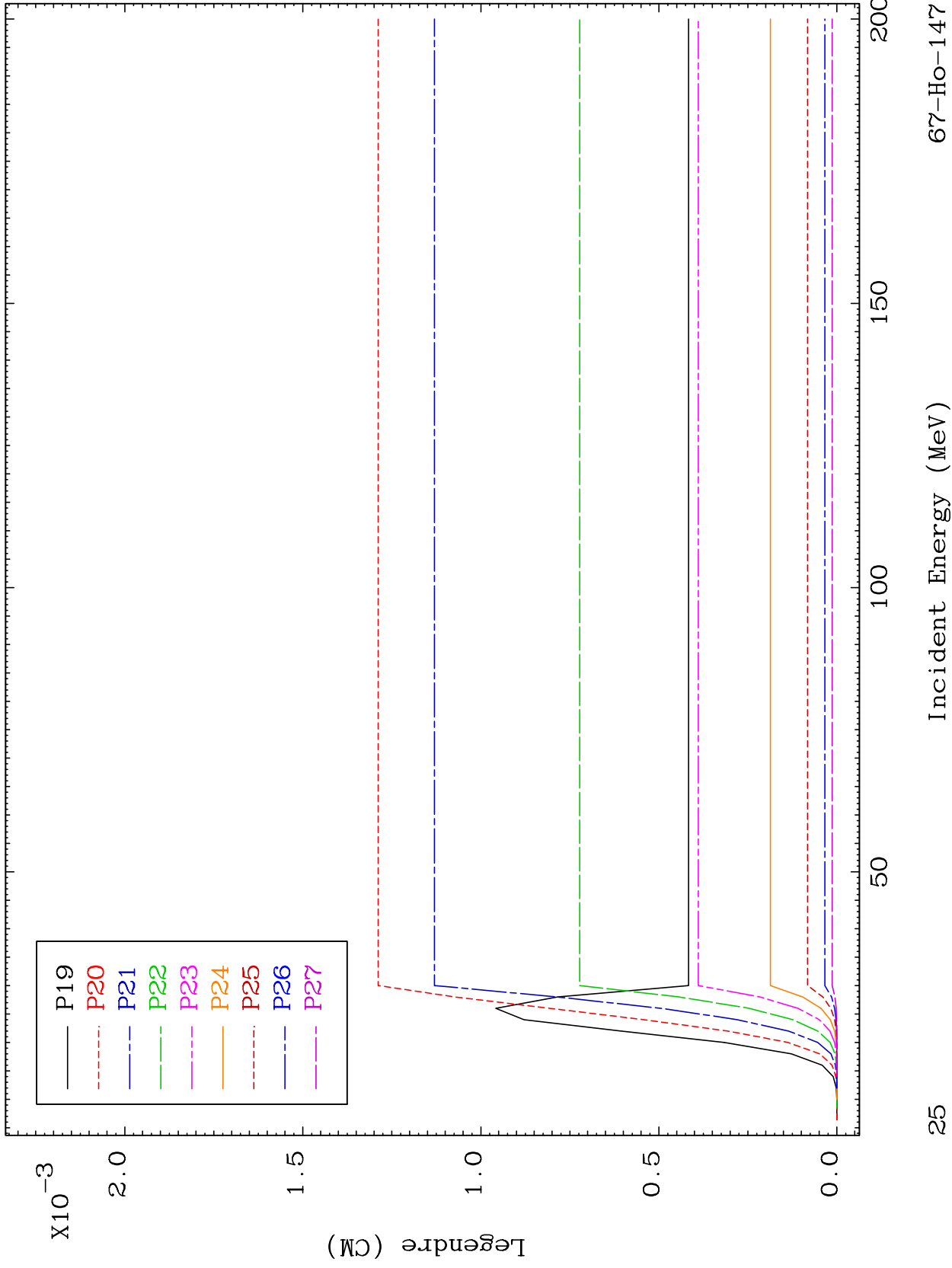
23



MAT 6671

764.7 keV (n,n') Level
Legendre Coefficients

67-Ho-147



25

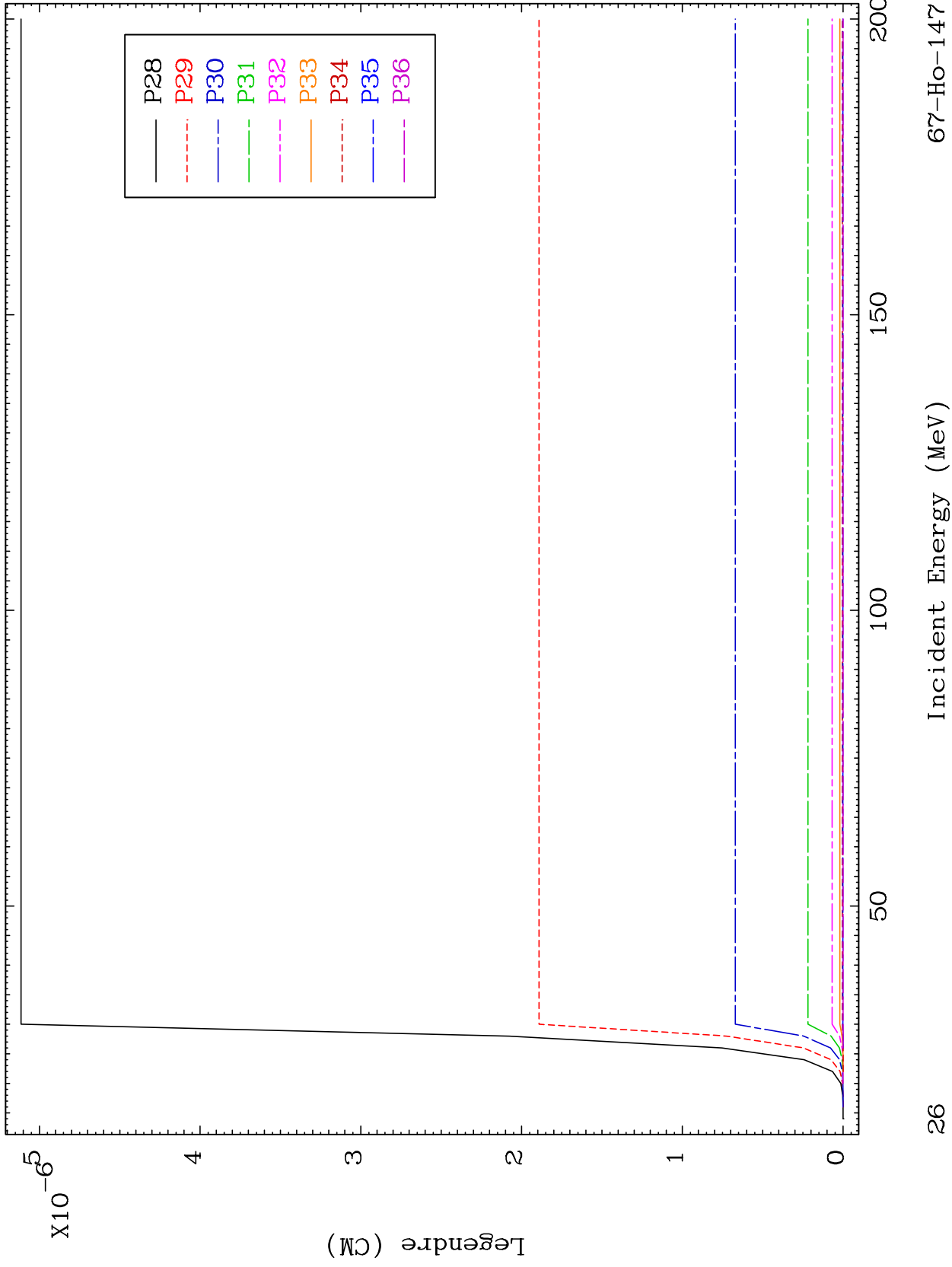
Incident Energy (MeV)

67-Ho-147

MAT 6671

764.7 keV (n,n') Level
Legendre Coefficients

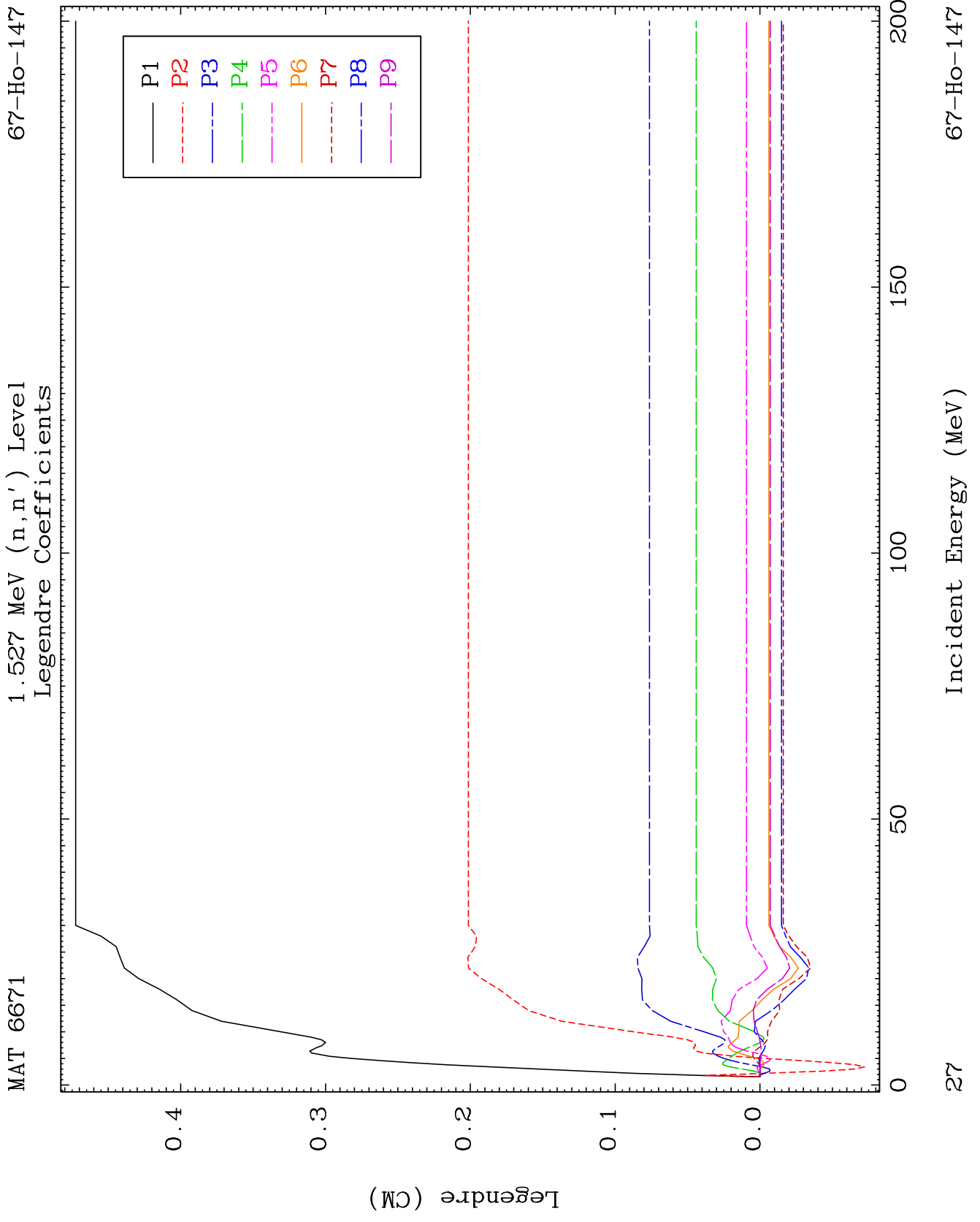
67-Ho-147

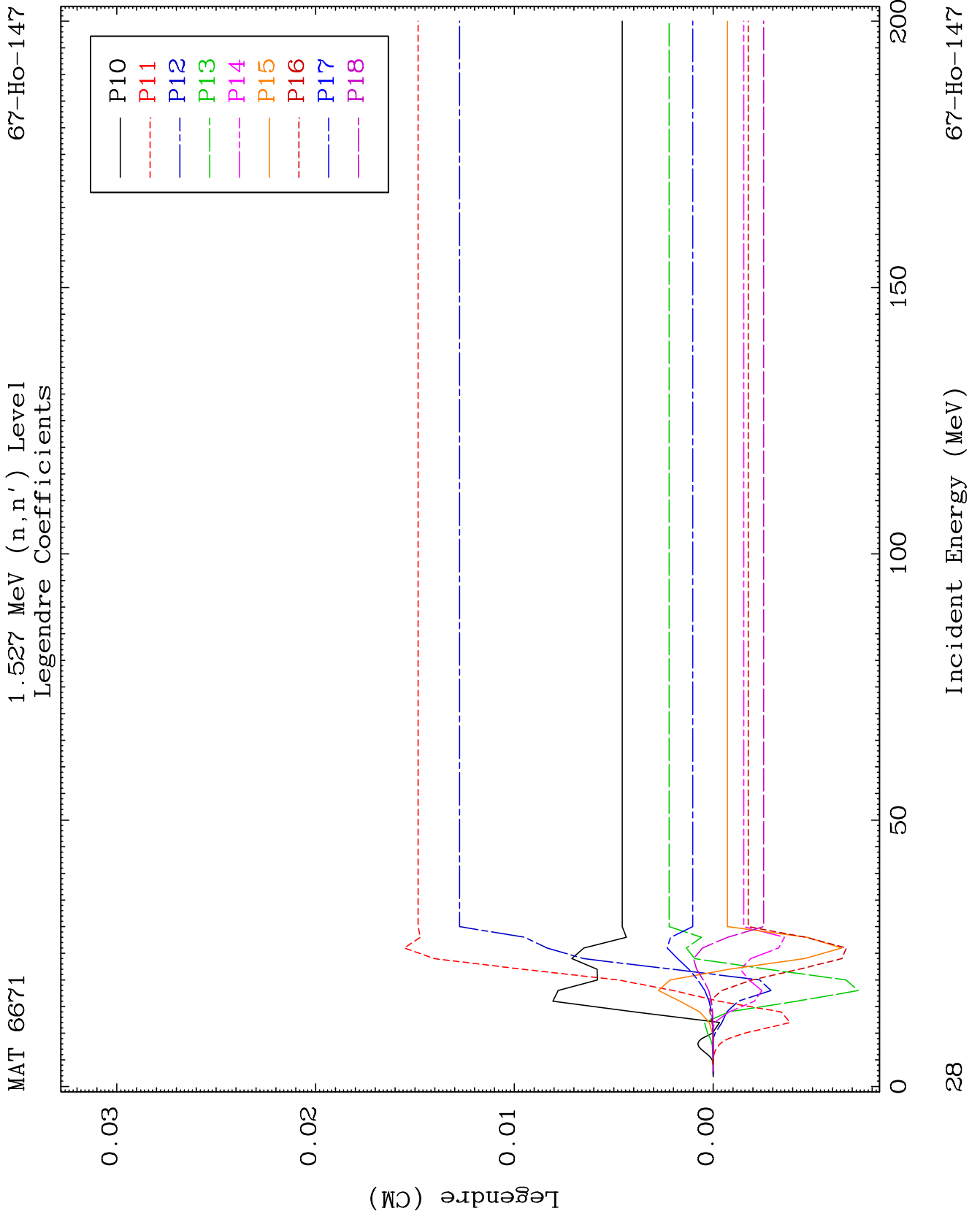


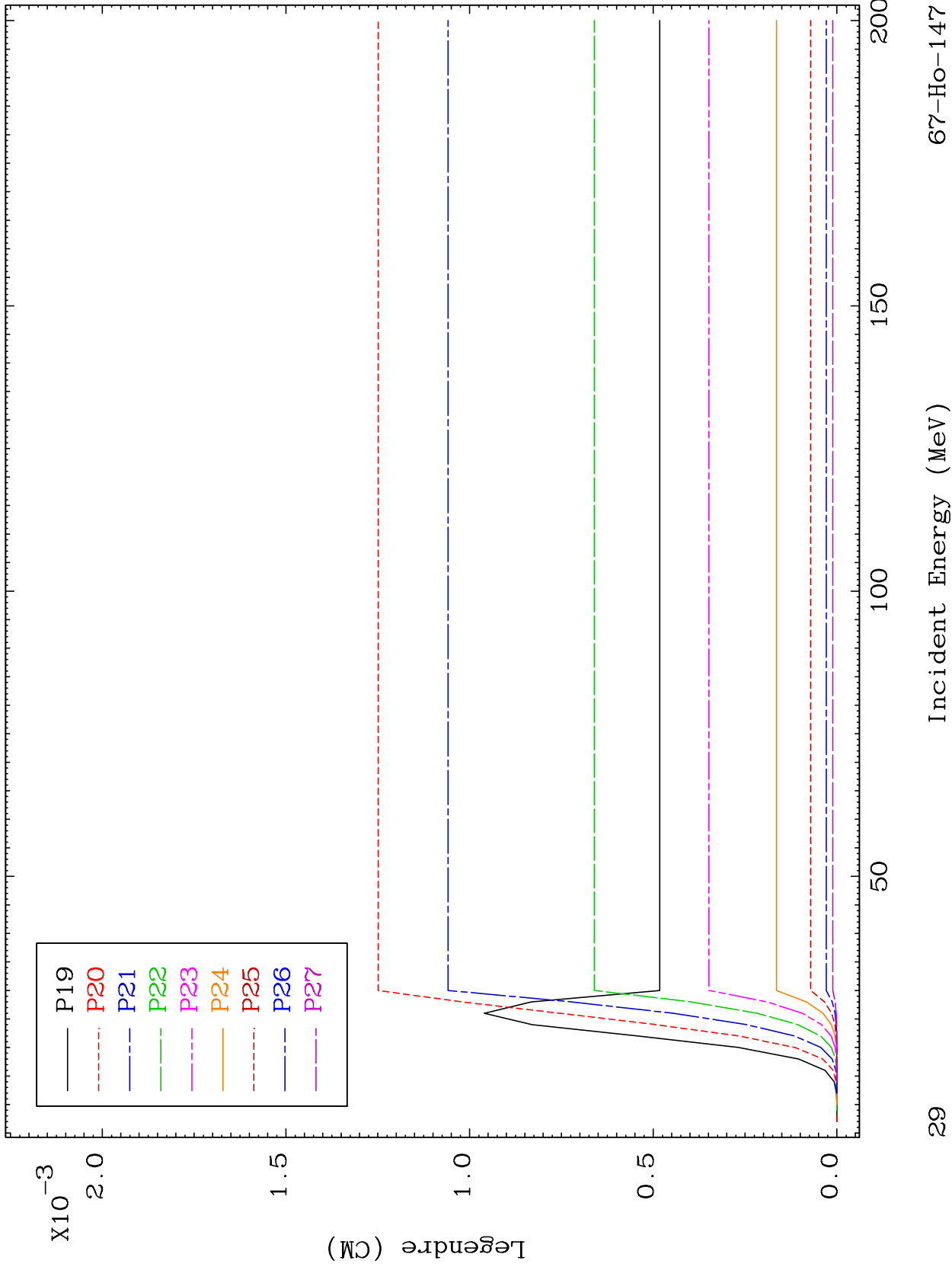
26

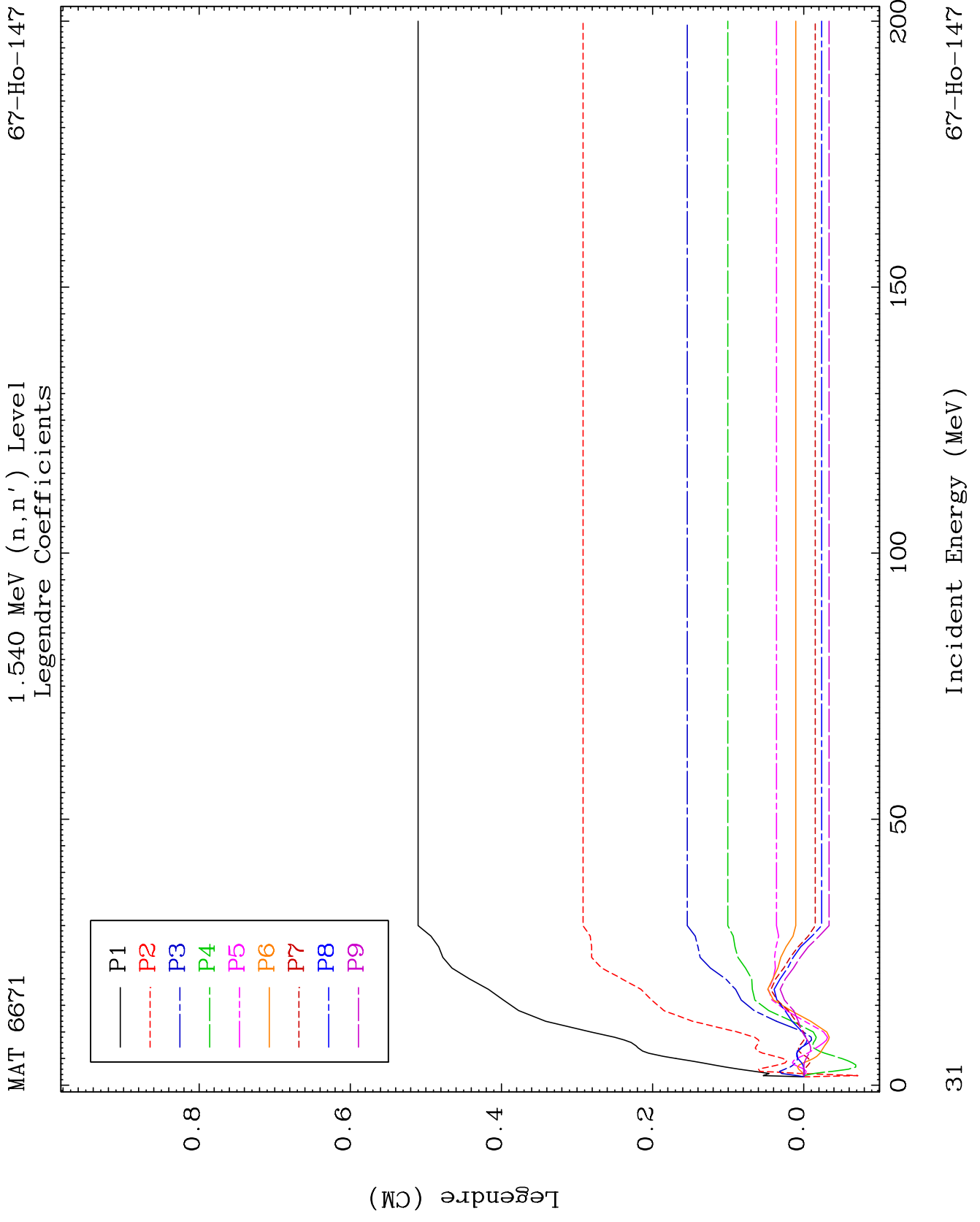
Incident Energy (MeV)

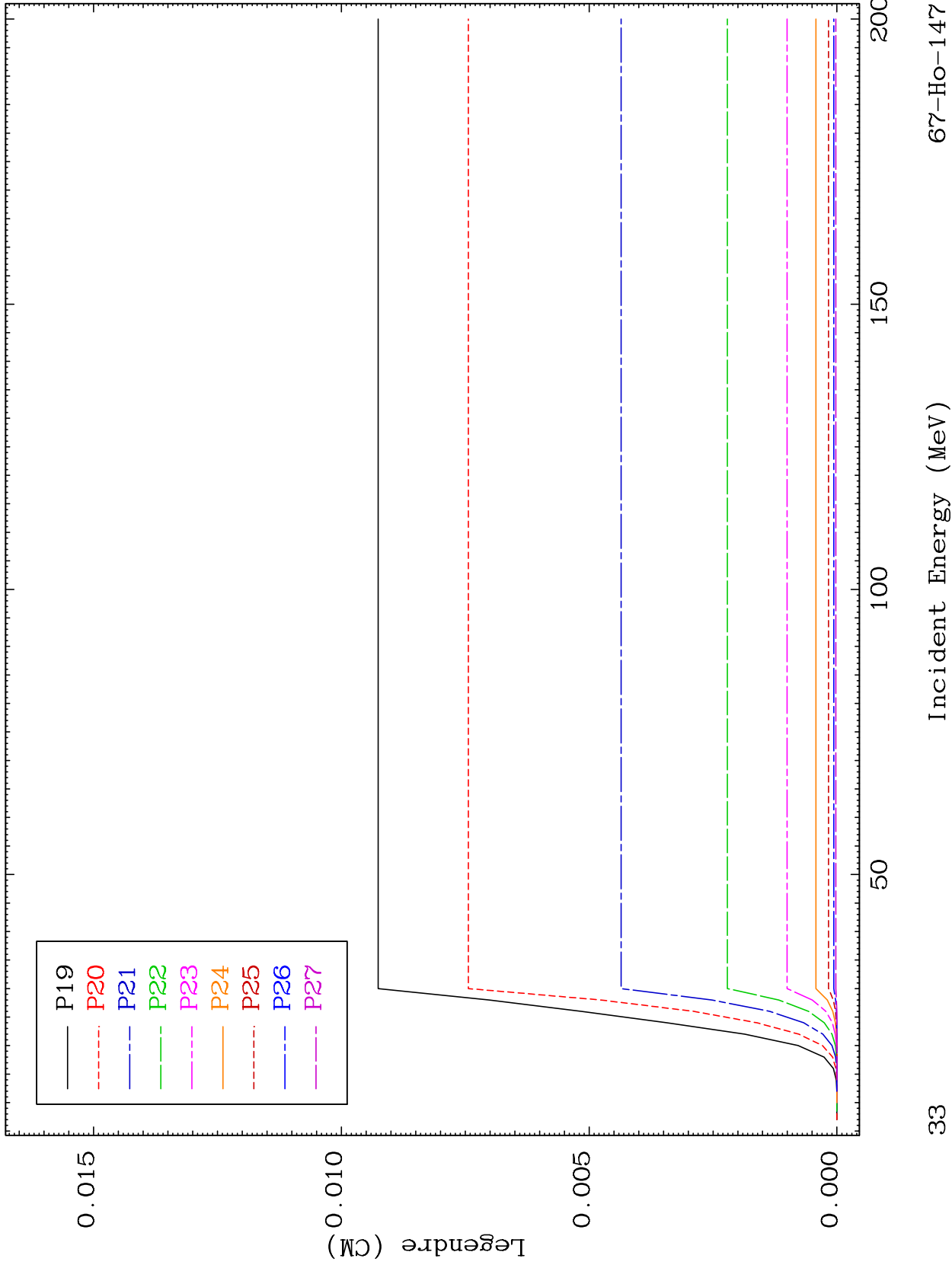
67-Ho-147

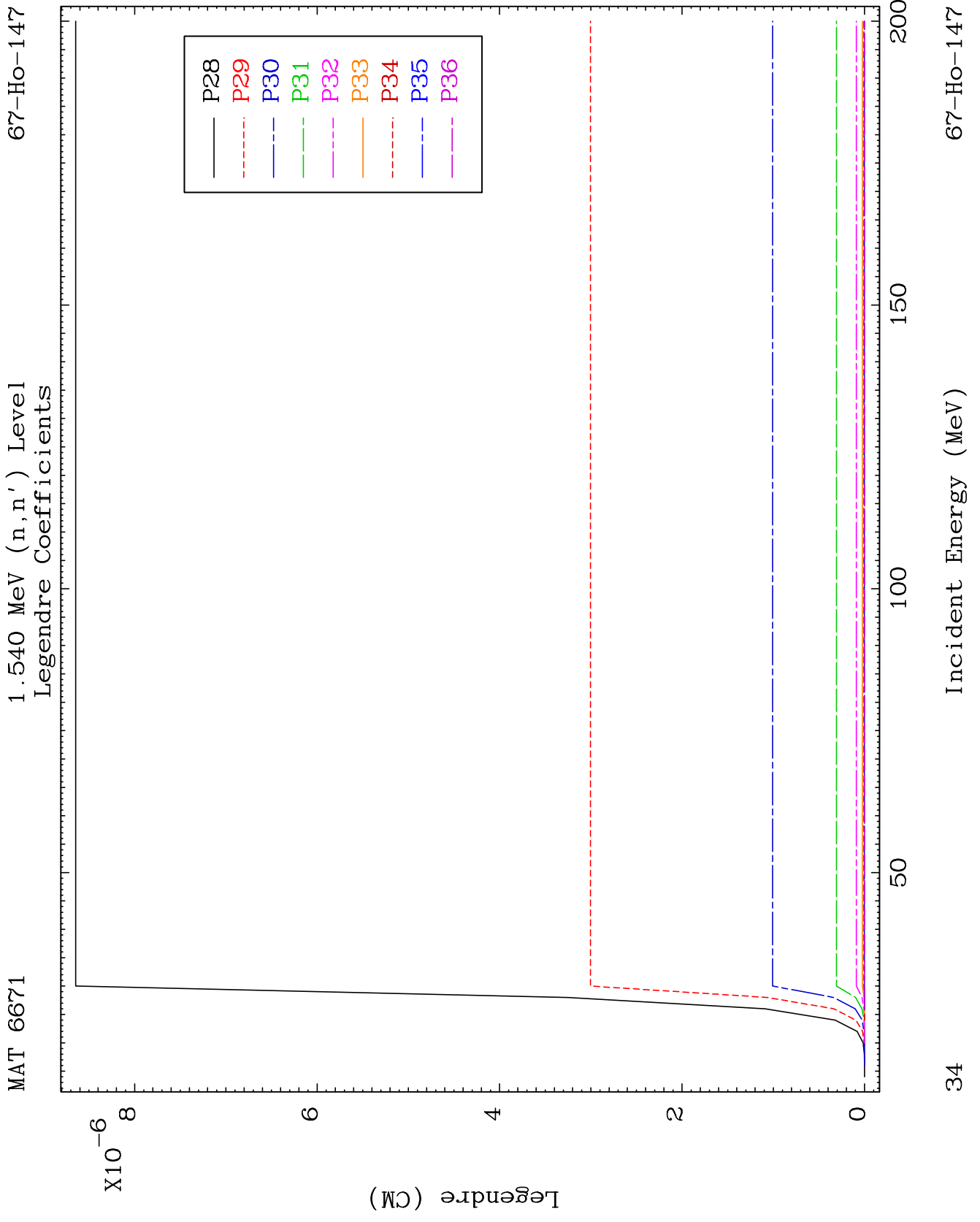










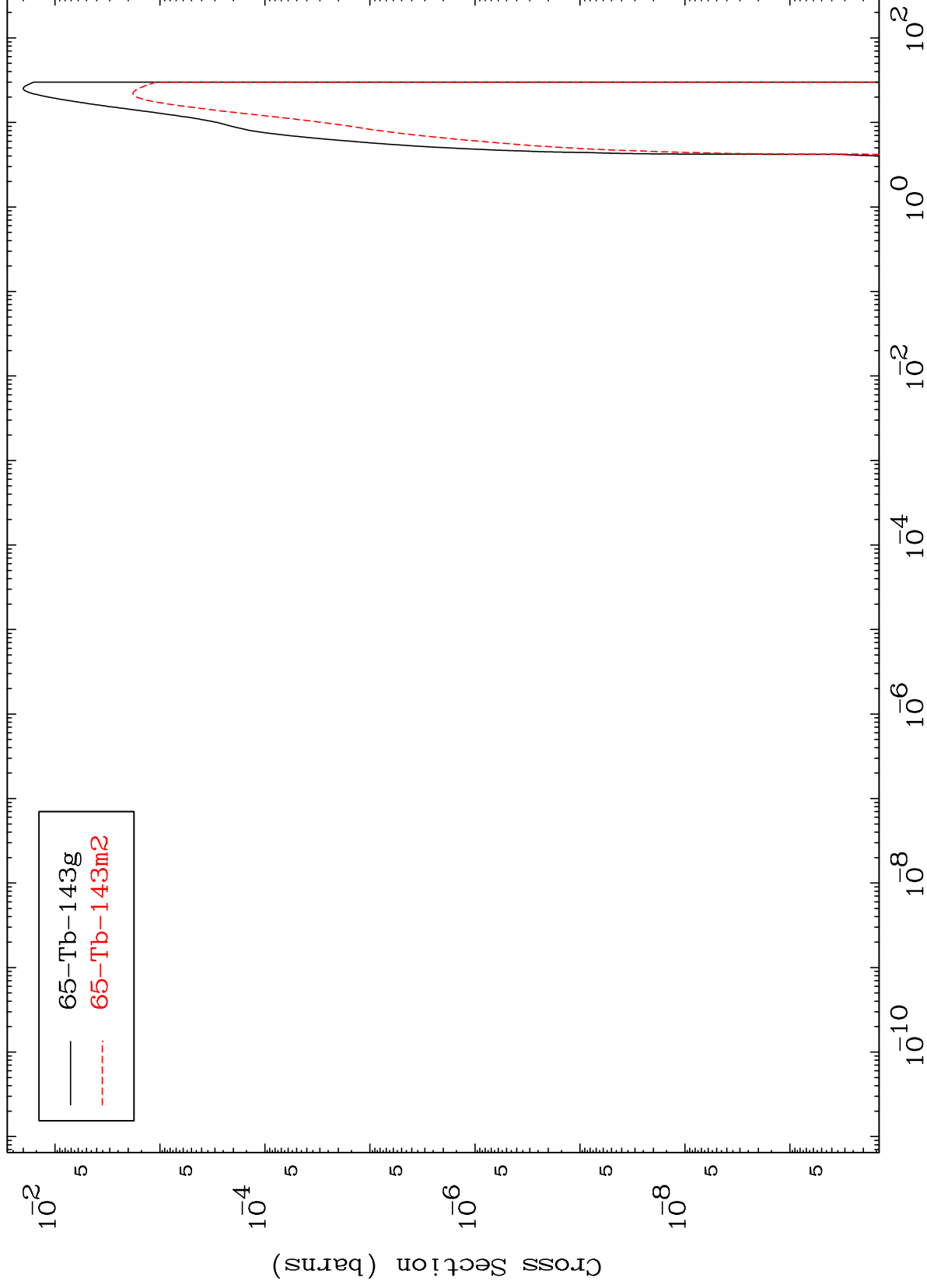


MAT 6671

$(n, n') \alpha$

$^{67}\text{Ho-147}$

Radionuclide Production Cross Section



35

Incident Energy (MeV)

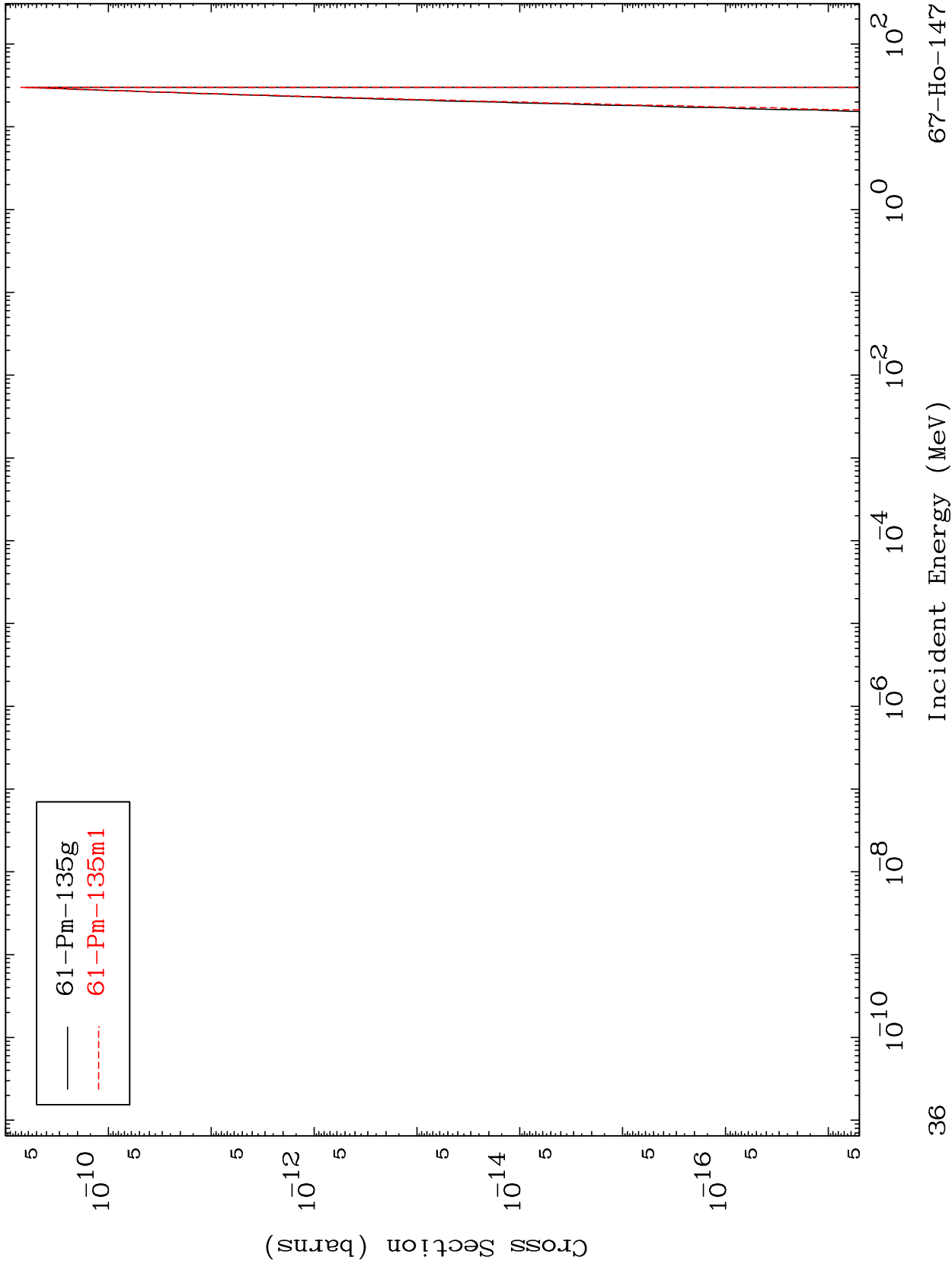
$^{67}\text{Ho-147}$

MAT 6671

(n,n') 3 α

67-Ho-147

Radionuclide Production Cross Section



36

Incident Energy (MeV)

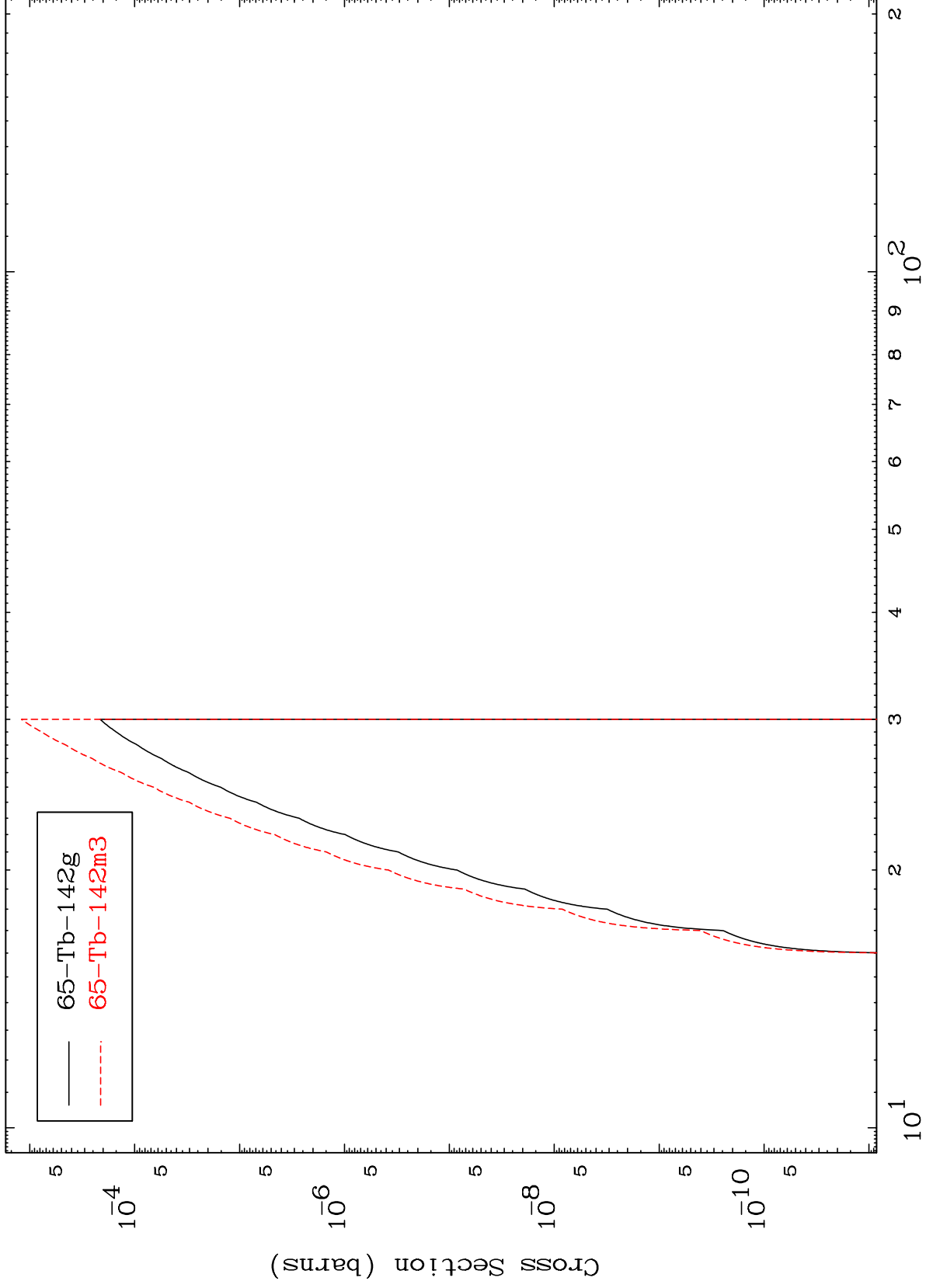
67-Ho-147

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$(n,2n) \alpha$

67-Ho-147

Radionuclide Production Cross Section



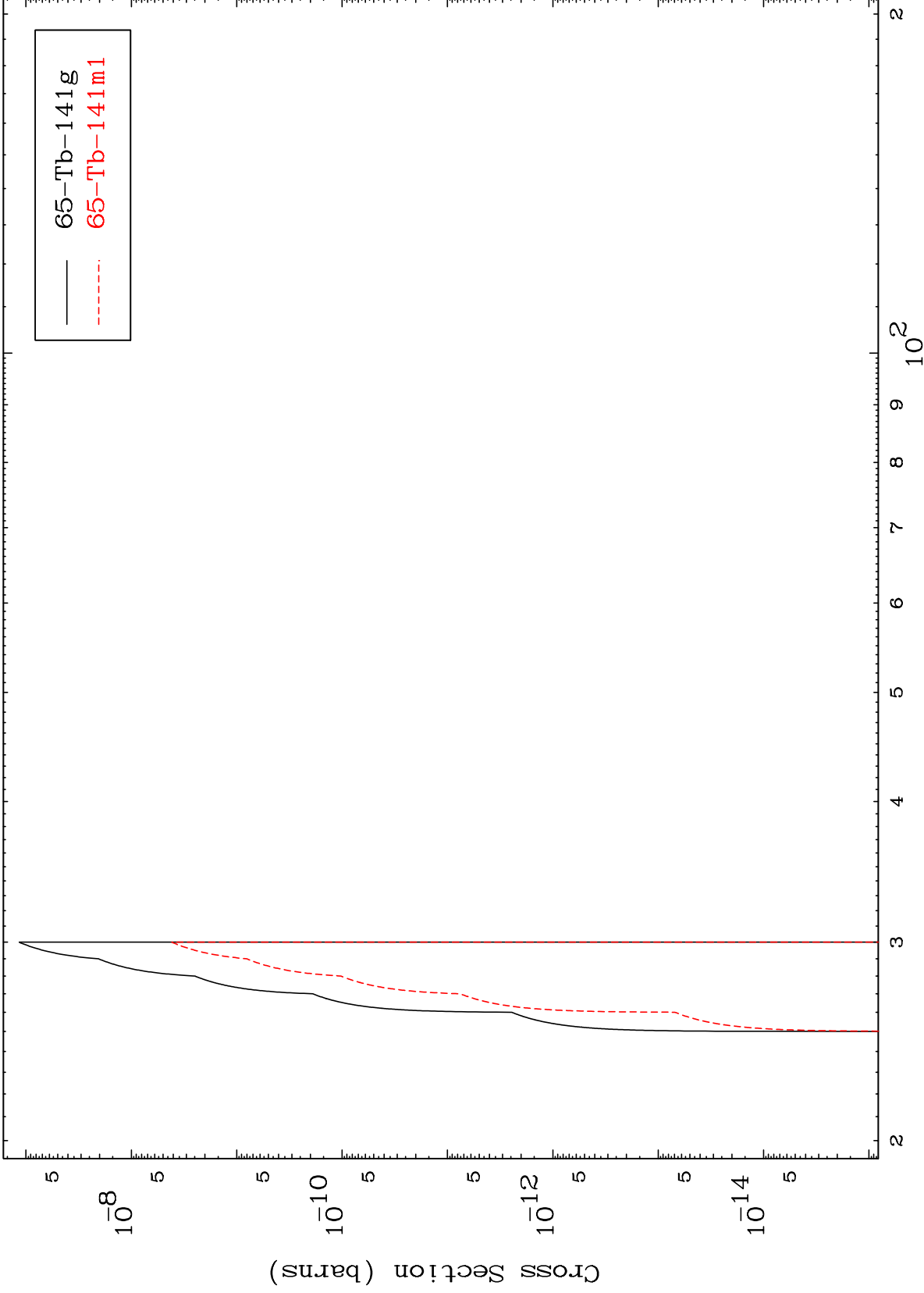
65-Tb-142g
65-Tb-142m3

37

Incident Energy (MeV)

67-Ho-147

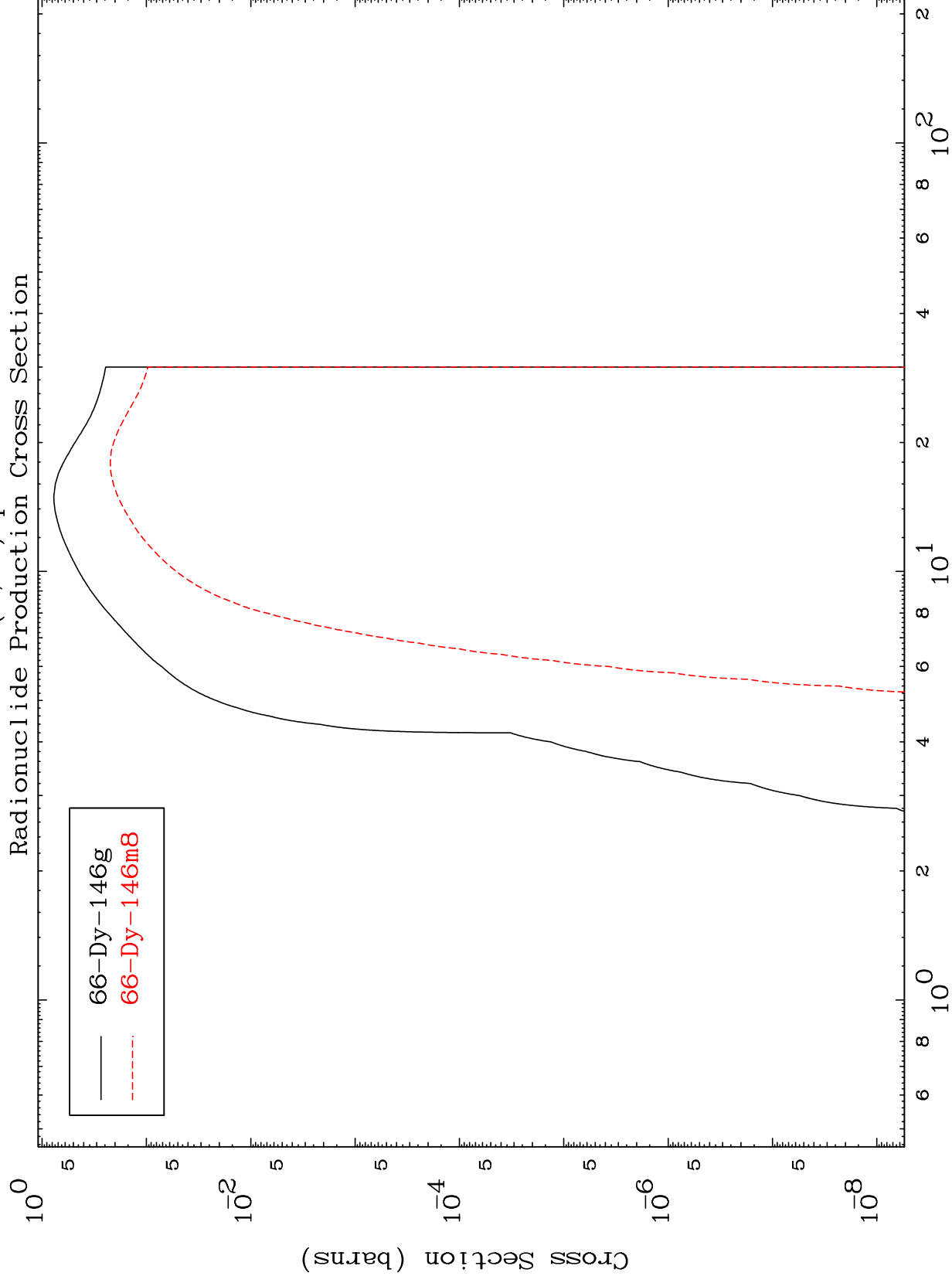
Radionuclide Production Cross Section



MAT 6671

(n,n') p

67-Ho-147



39

Incident Energy (MeV)

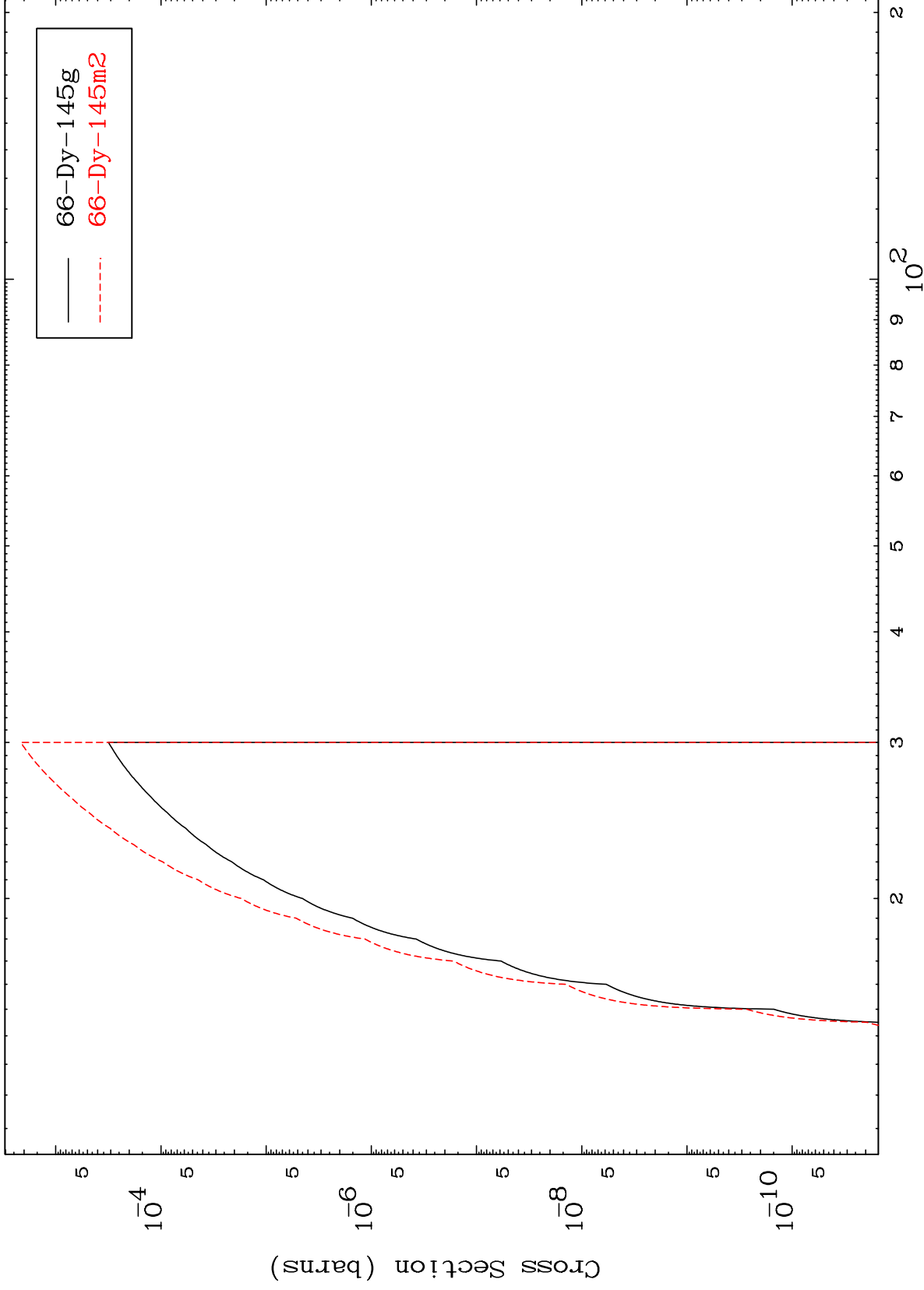
67-Ho-147

MAT 6671

(n,n') d

67-Ho-147

Radionuclide Production Cross Section



40

Incident Energy (MeV)

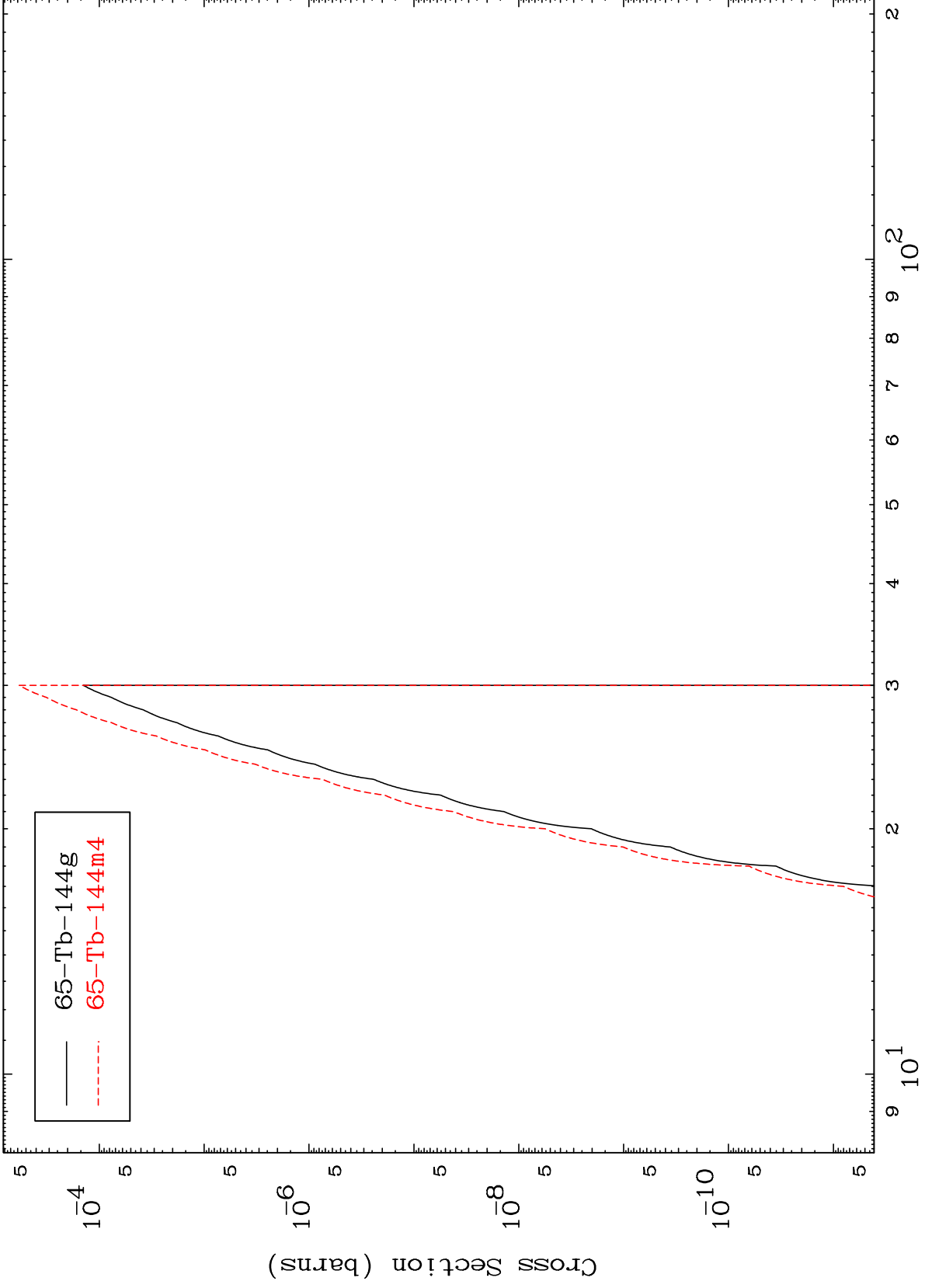
67-Ho-147

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(n,n') He-3

67-Ho-147

Radionuclide Production Cross Section

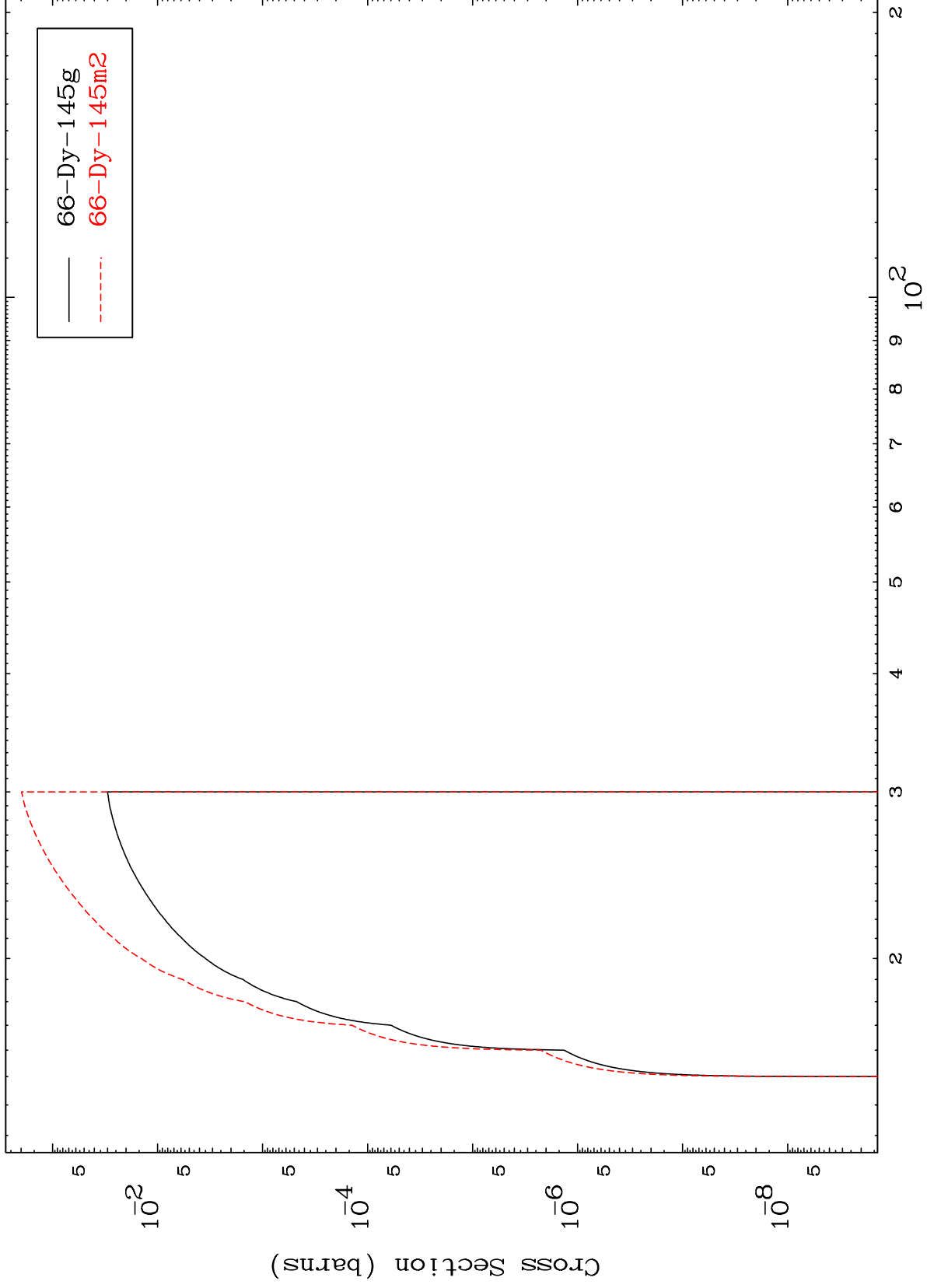


41

Incident Energy (MeV)

67-Ho-147

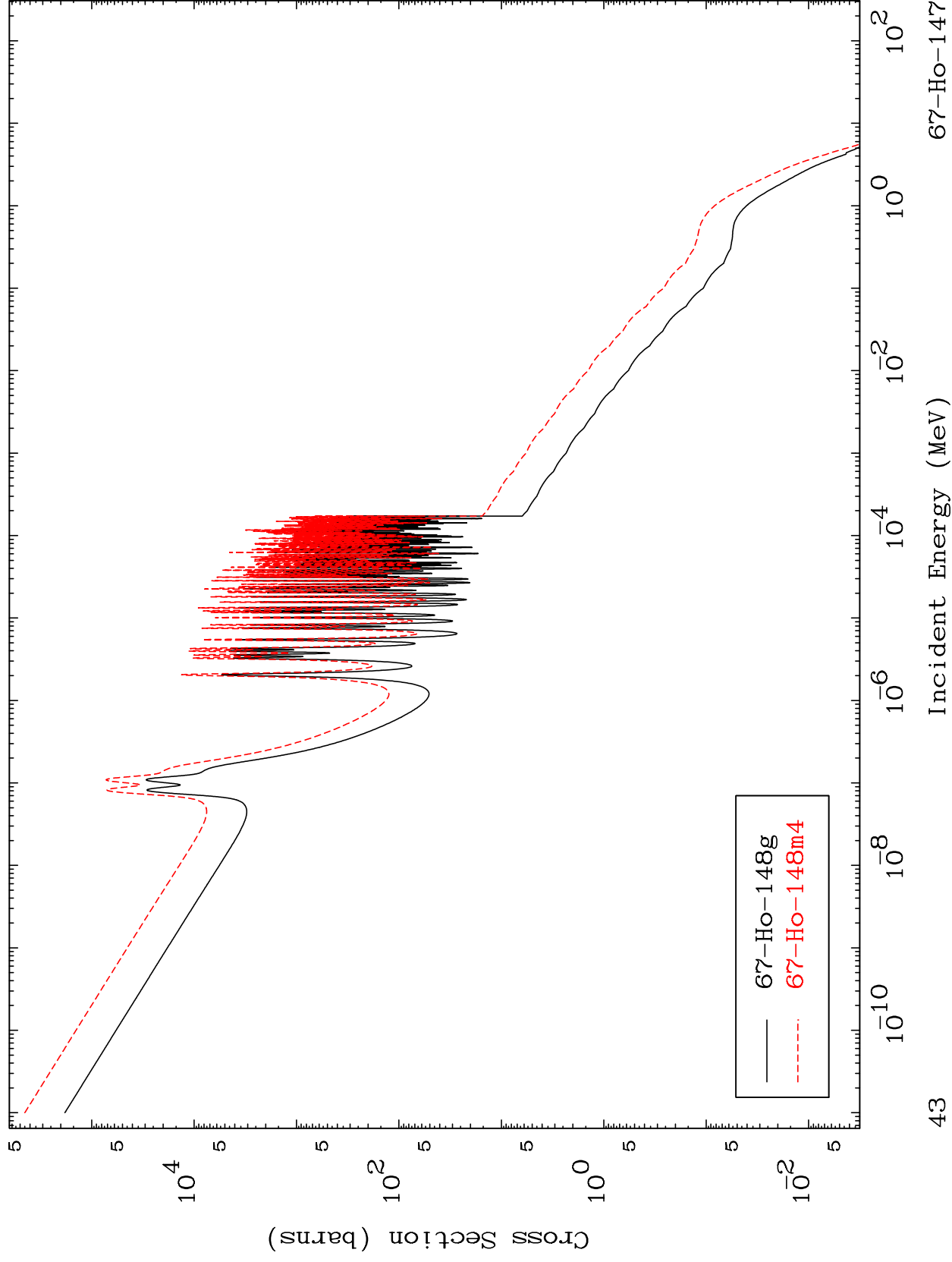
Radionuclide Production Cross Section



MAT 6671

$^{67}\text{Ho-147}$

(n,γ)
Radionuclide Production Cross Section



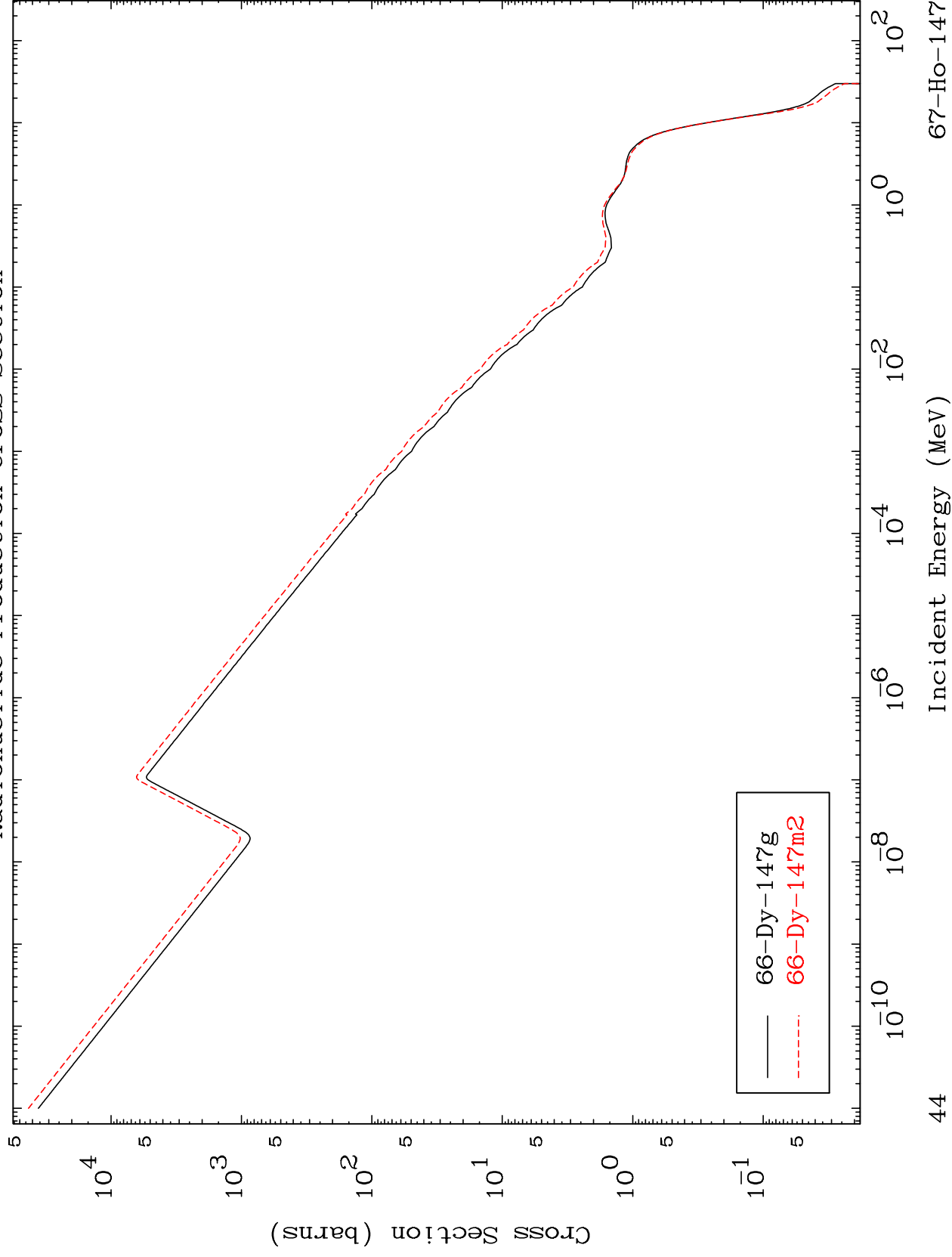
43

$^{67}\text{Ho-147}$

MAT 6671

67-Ho-147

Radionuclide Production Cross Section



44

Incident Energy (MeV)

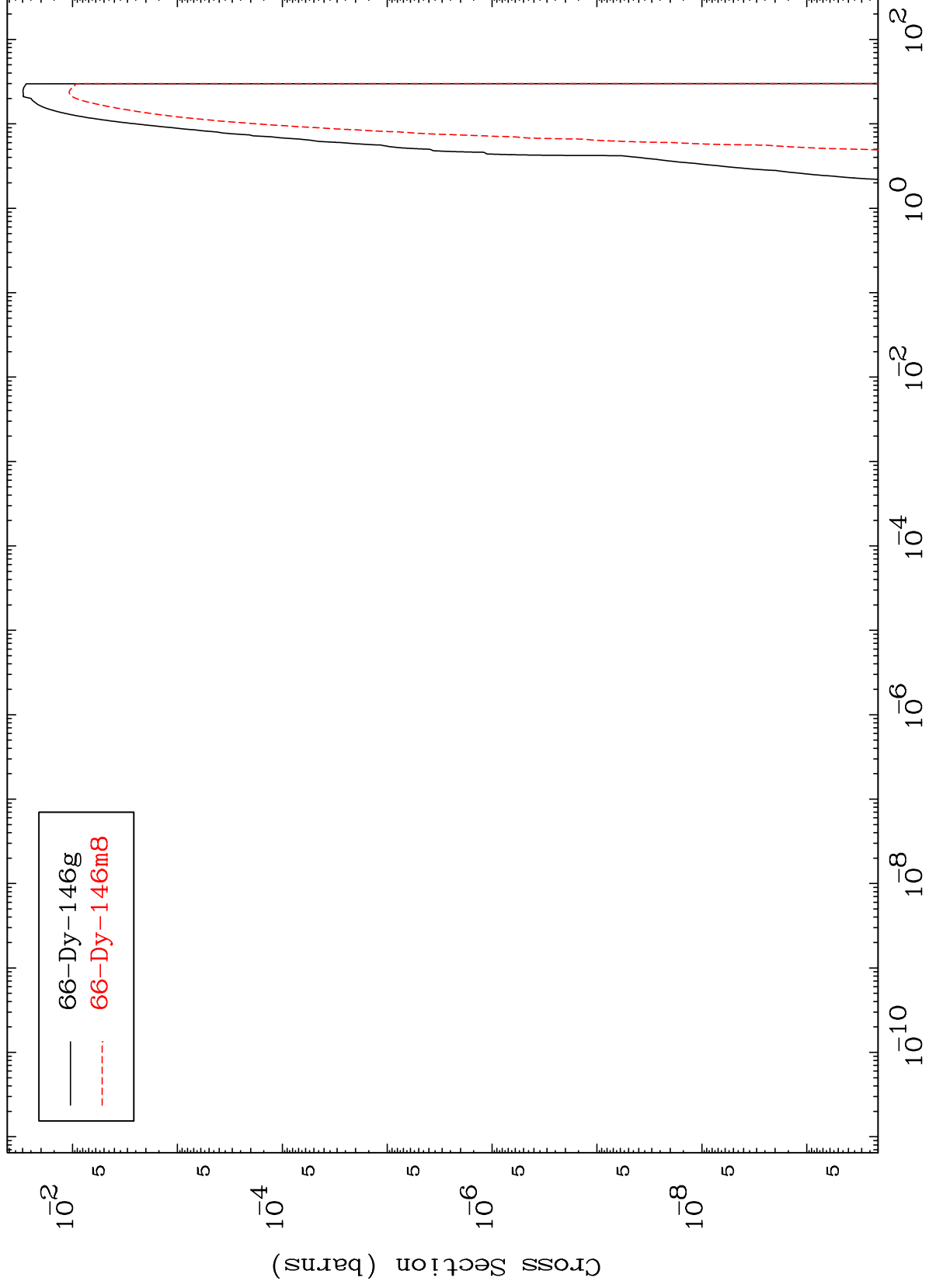
67-Ho-147

MAT 6671

(n,d)

67-Ho-147

Radionuclide Production Cross Section



45

Incident Energy (MeV)

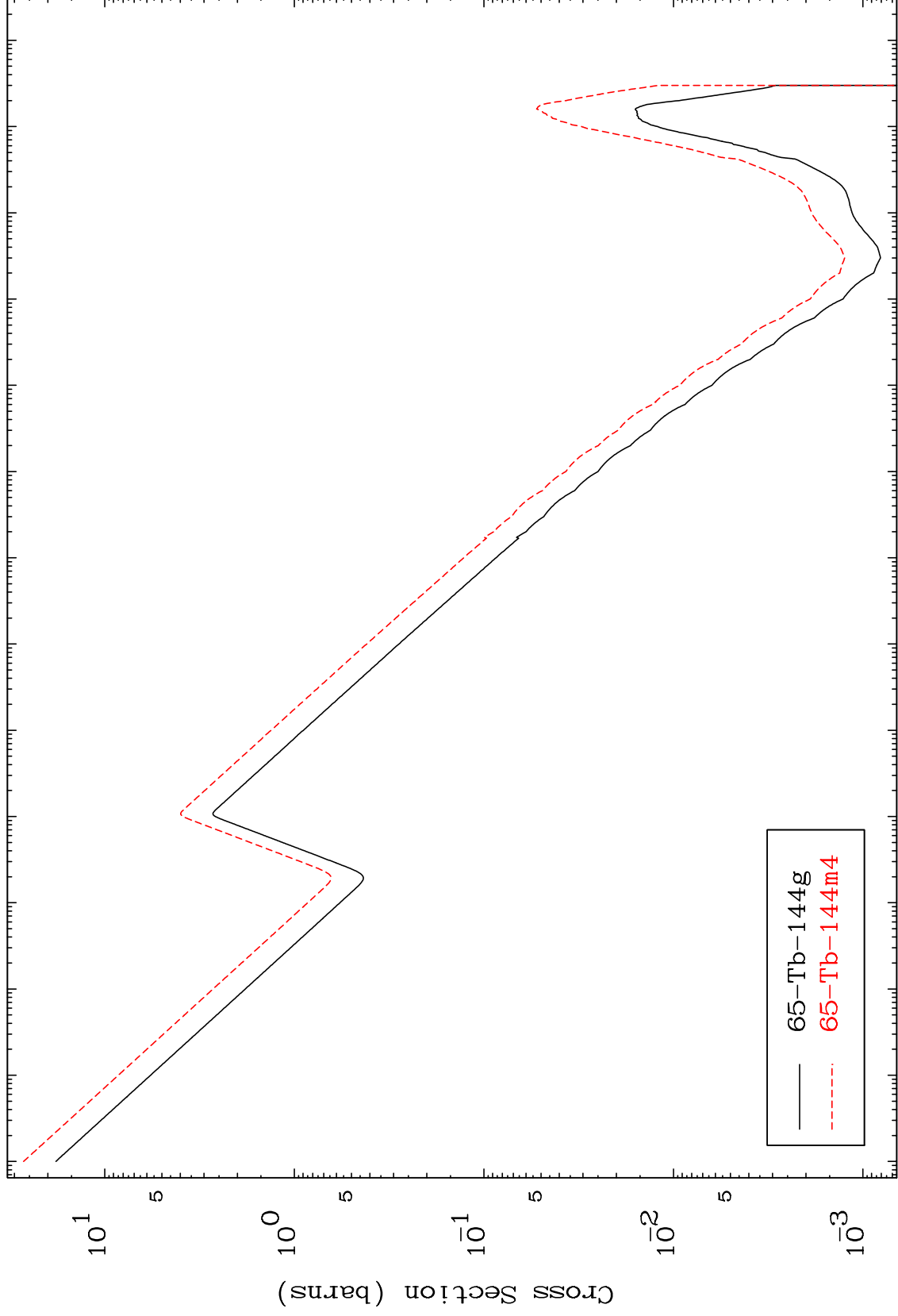
67-Ho-147

MAT 6671

67-Ho-147

Radionuclide Production Cross Section

(n, α)



Incident Energy (MeV)

67-Ho-147

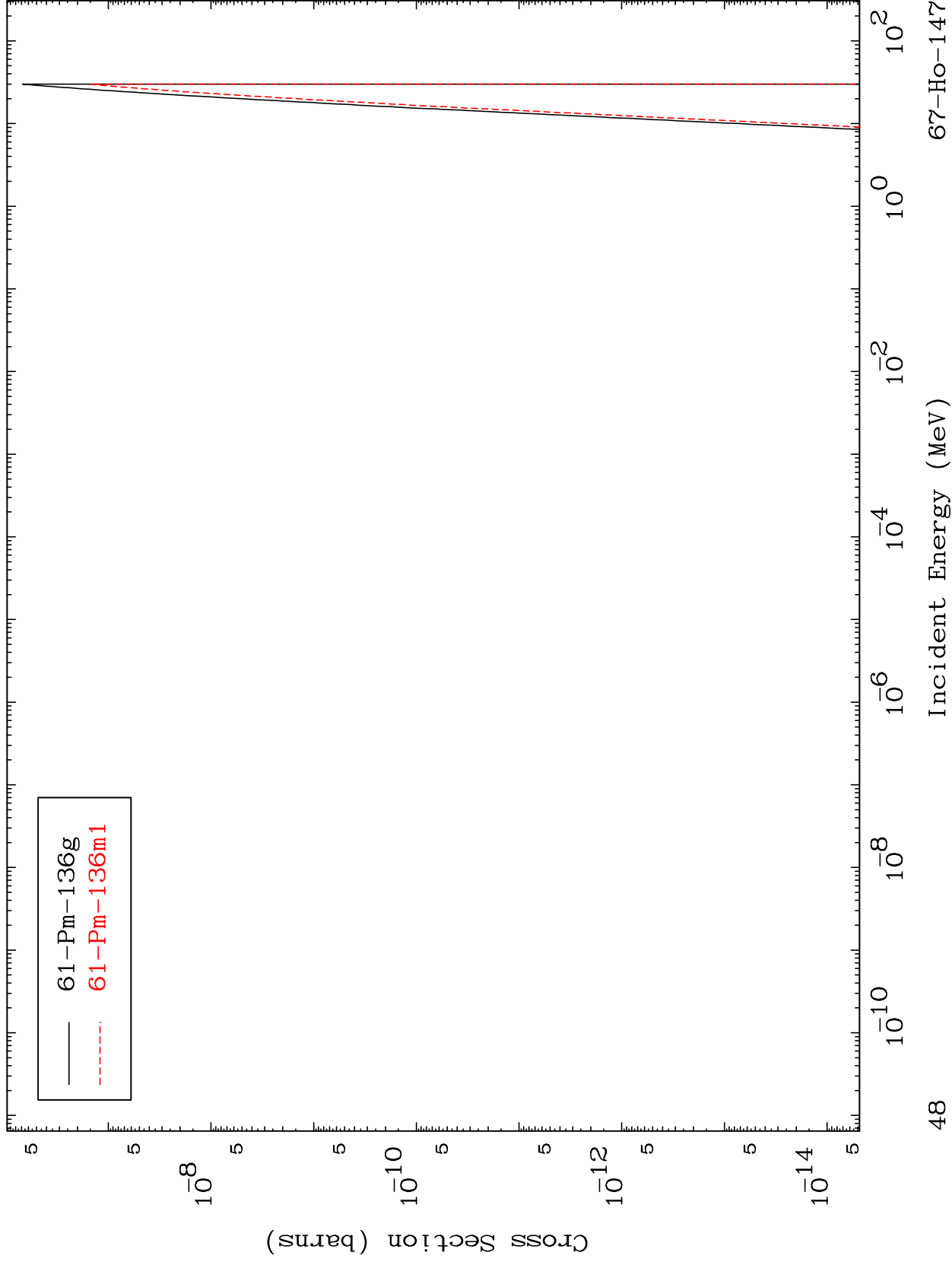
47

MAT 6671

(n, 3α)

67-Ho-147

Radionuclide Production Cross Section



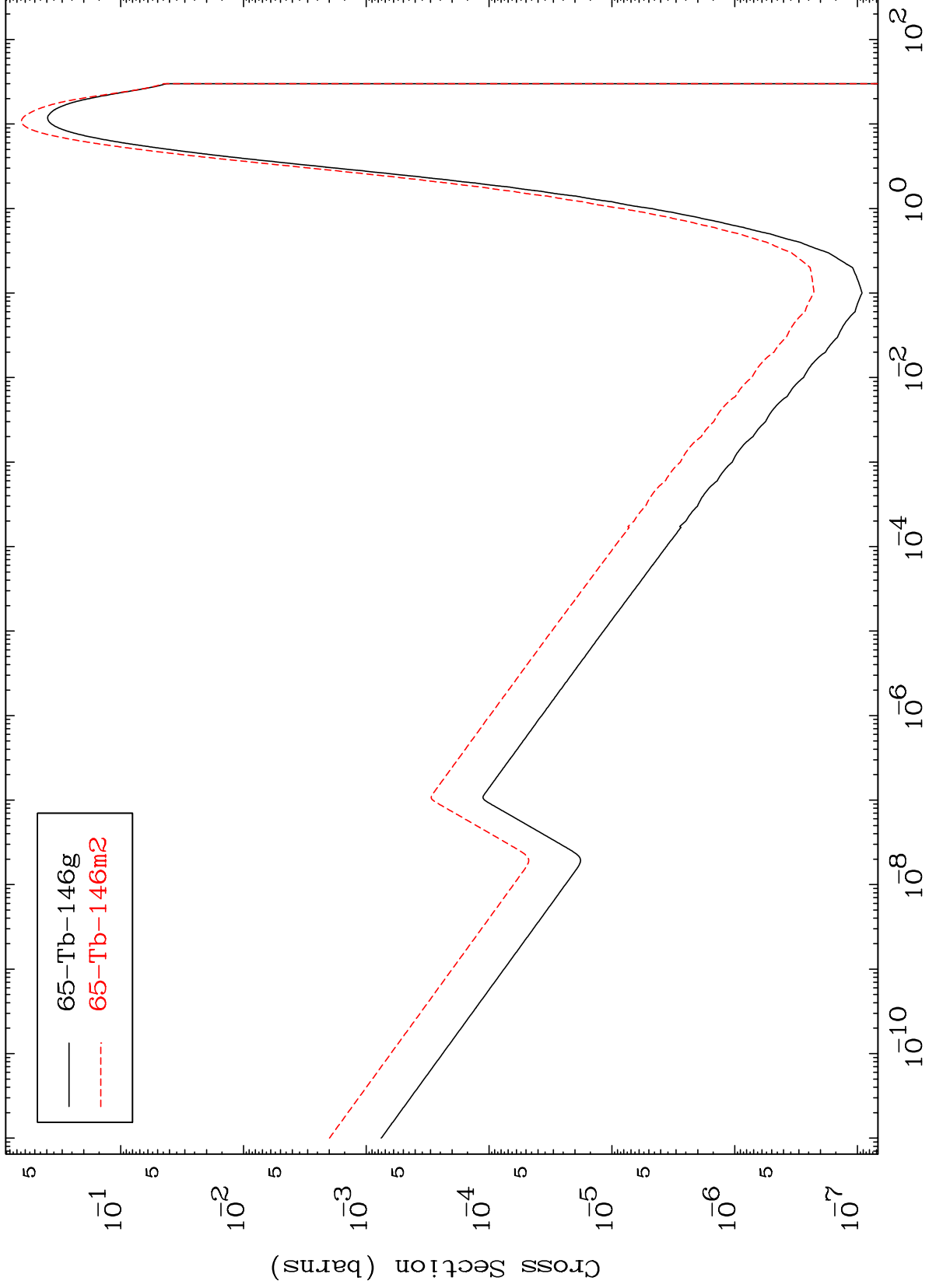
61-Pm-136g
61-Pm-136m1

MAT 6671

(n,2p)

67-Ho-147

Radionuclide Production Cross Section



49

Incident Energy (MeV)

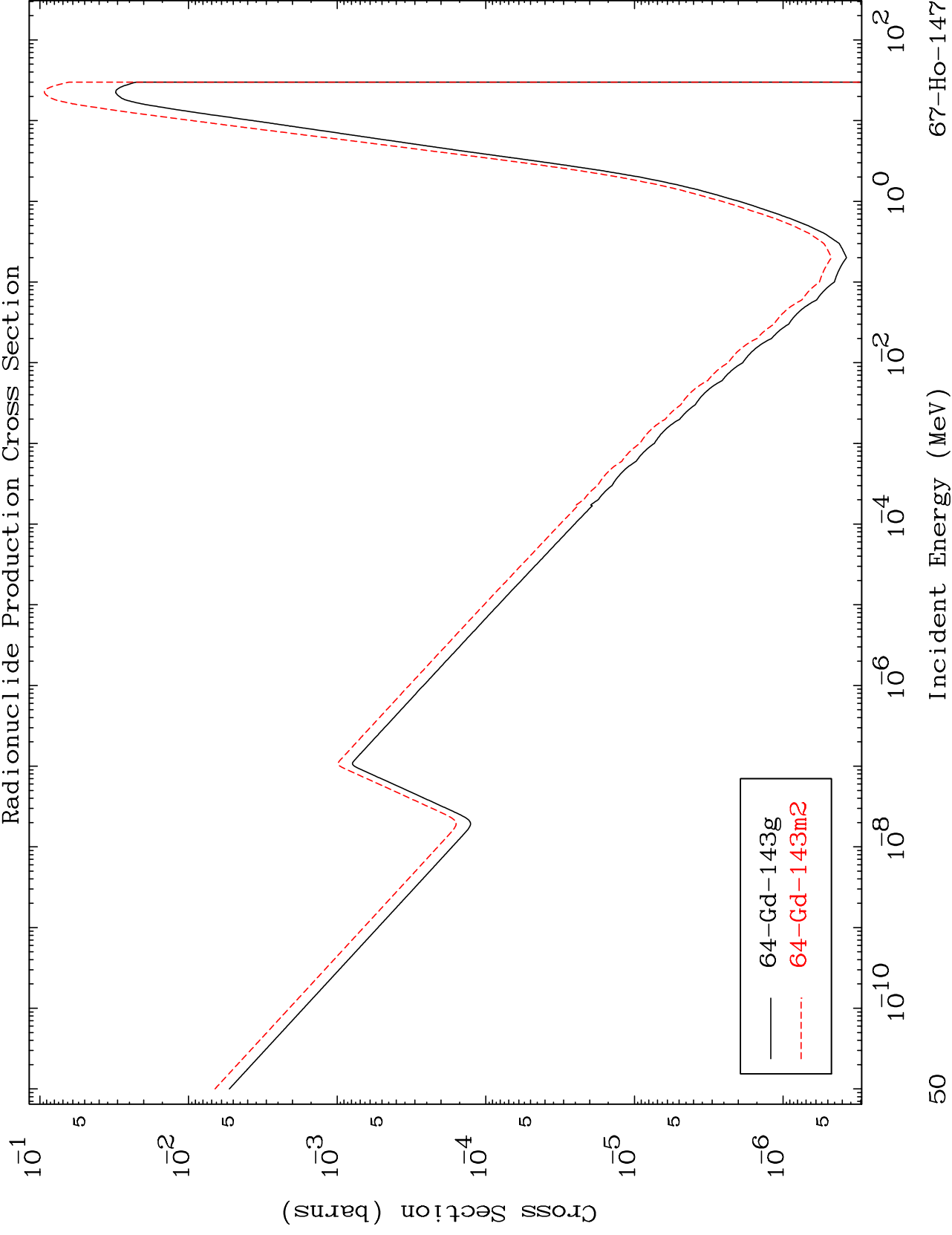
67-Ho-147

MAT 6671

(n,p) α

$^{67}\text{Ho-147}$

Radionuclide Production Cross Section



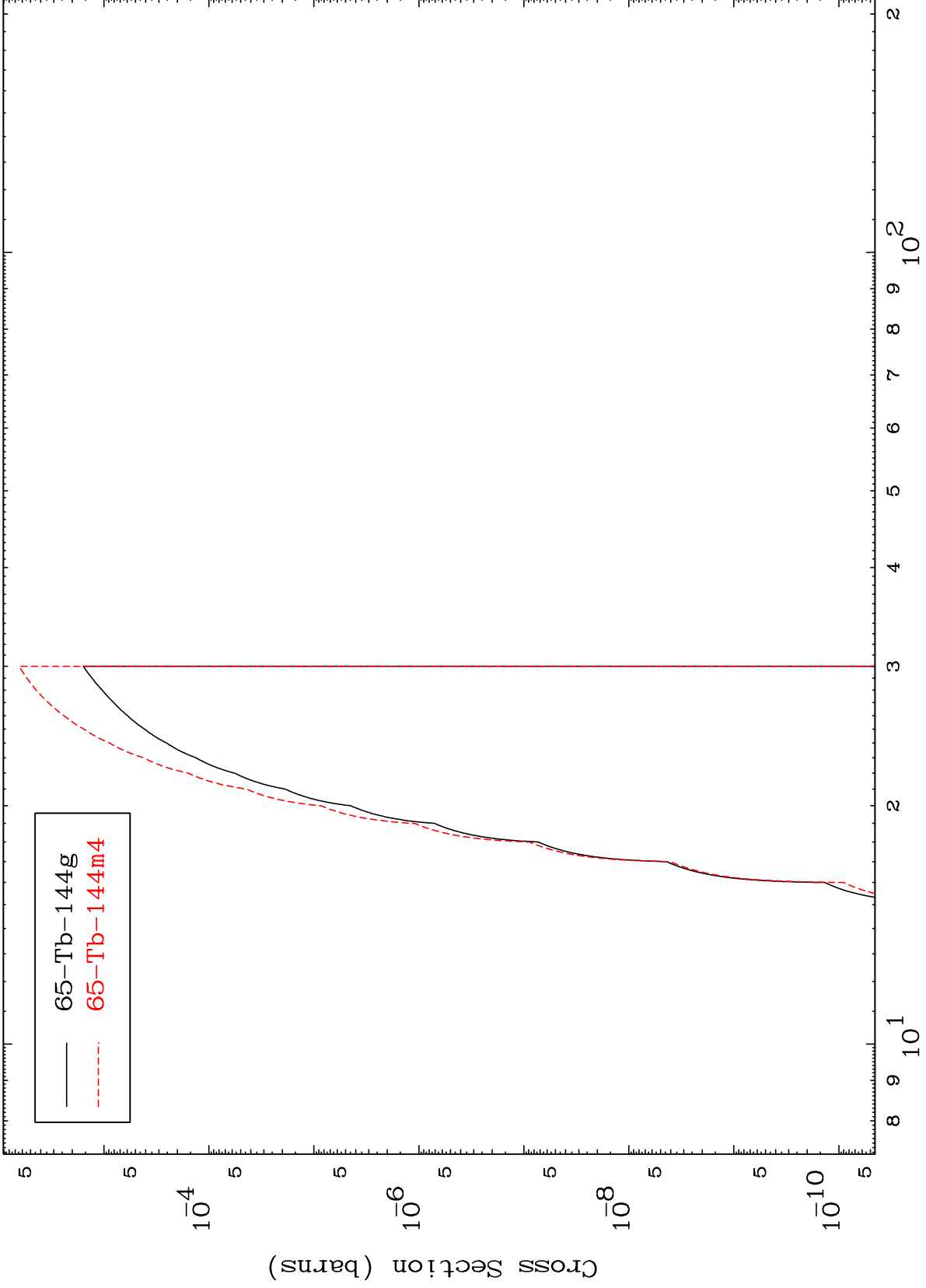
50

MAT 6671

(n,p) t

67-Ho-147

Radionuclide Production Cross Section



51

Incident Energy (MeV)

67-Ho-147