

Program EVALPLOT
(Version 2021-1)

by

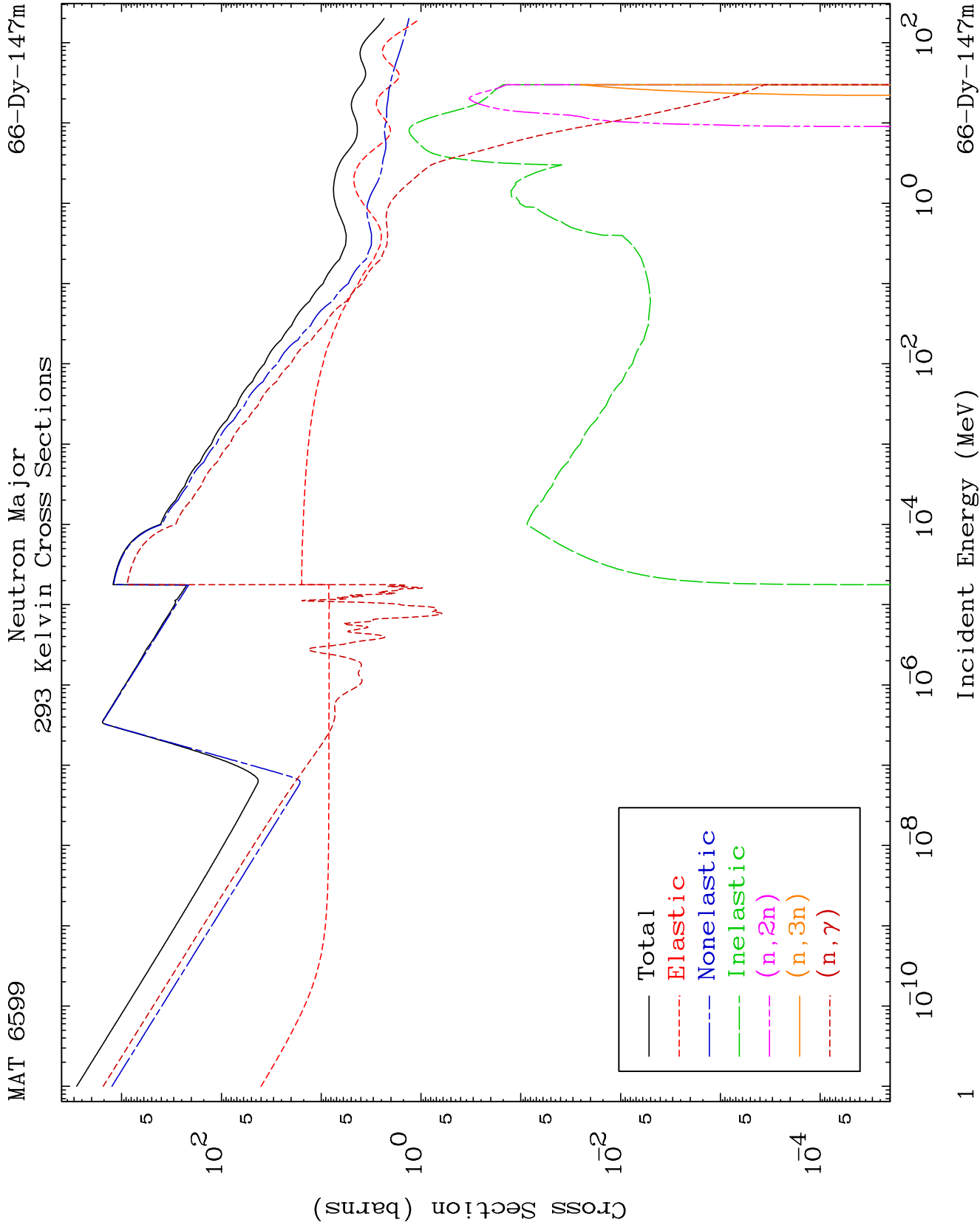
Dermott E. Cullen
(Present Contact Information)

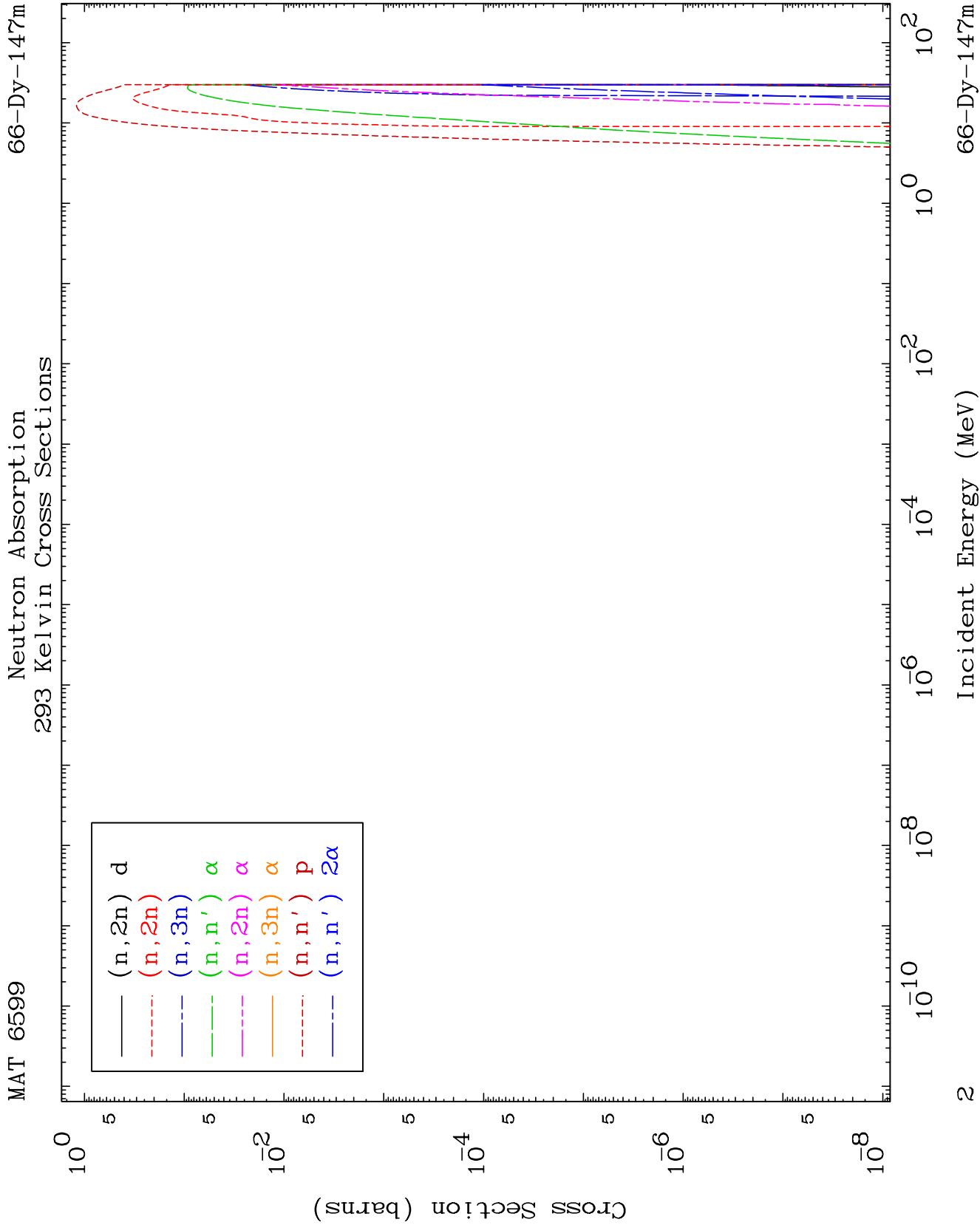
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

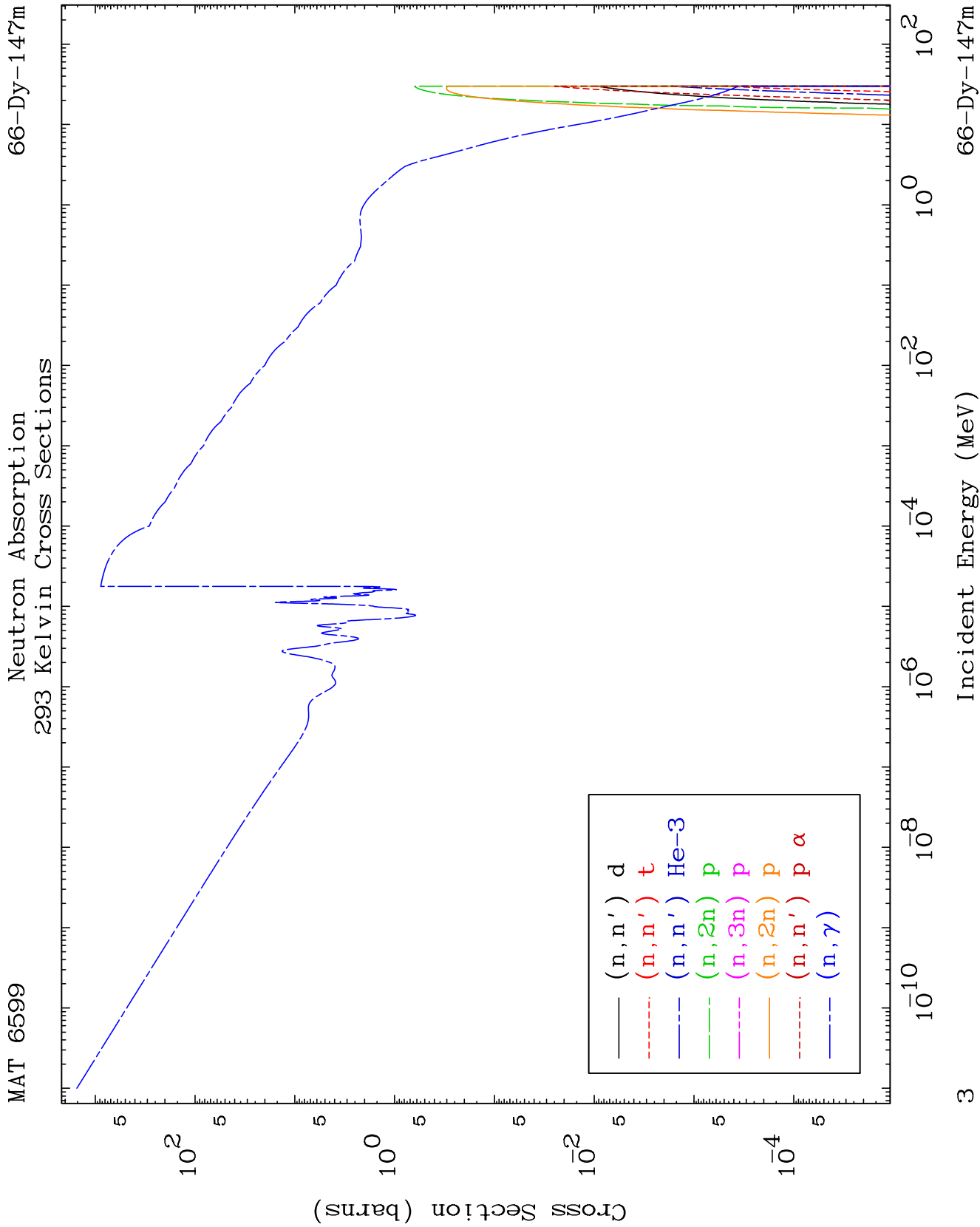
Tele: 925-443-1911

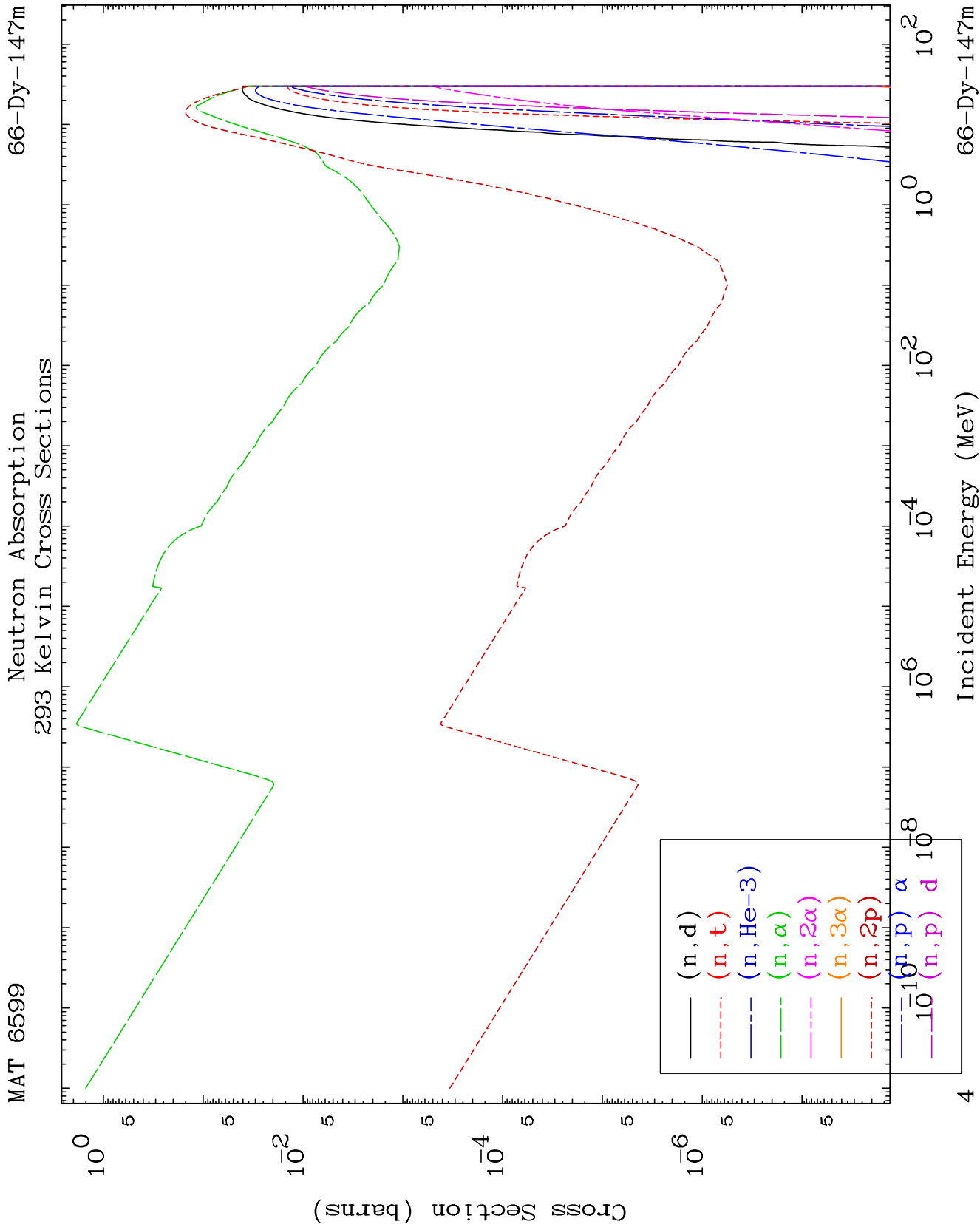
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





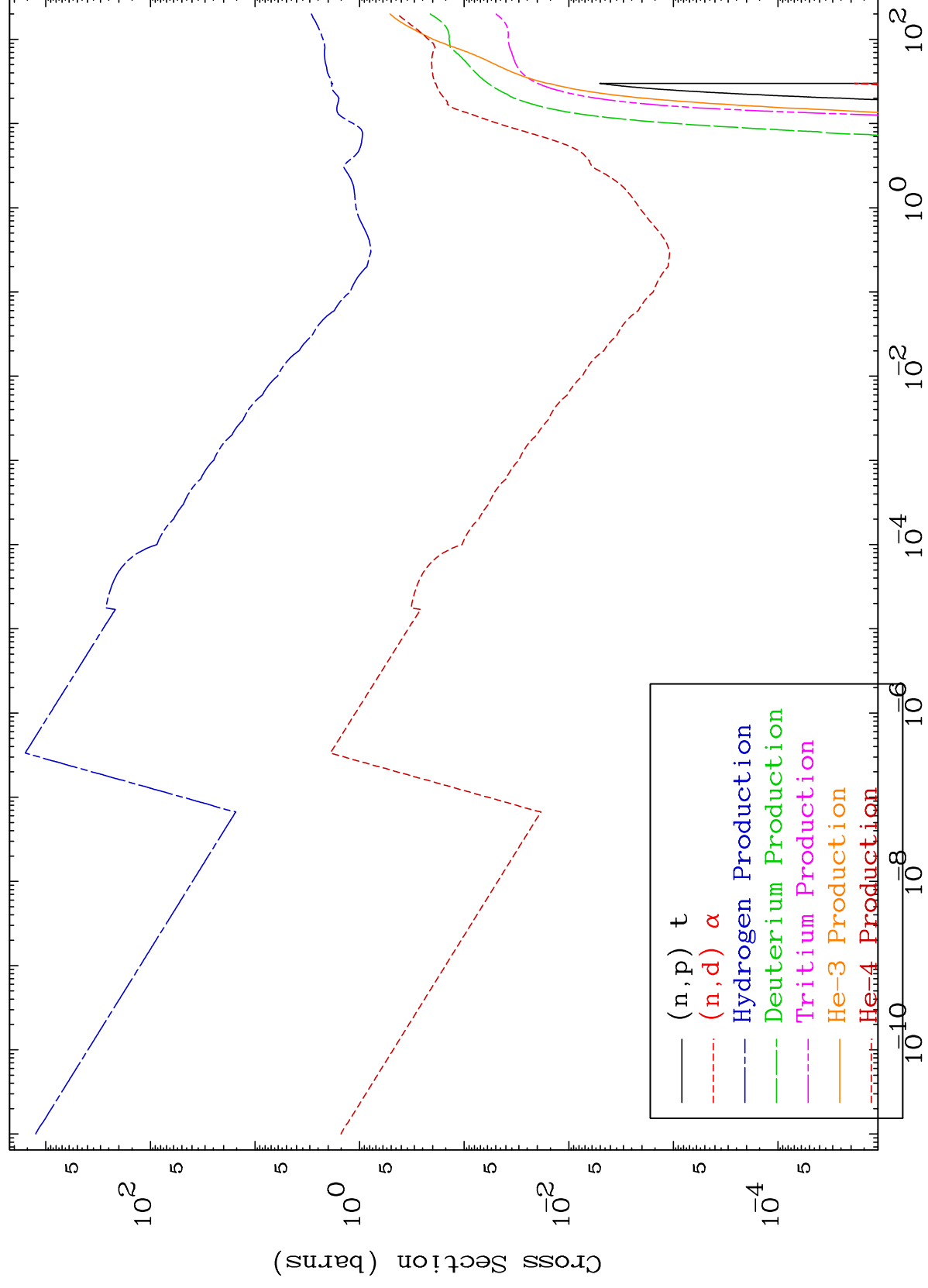


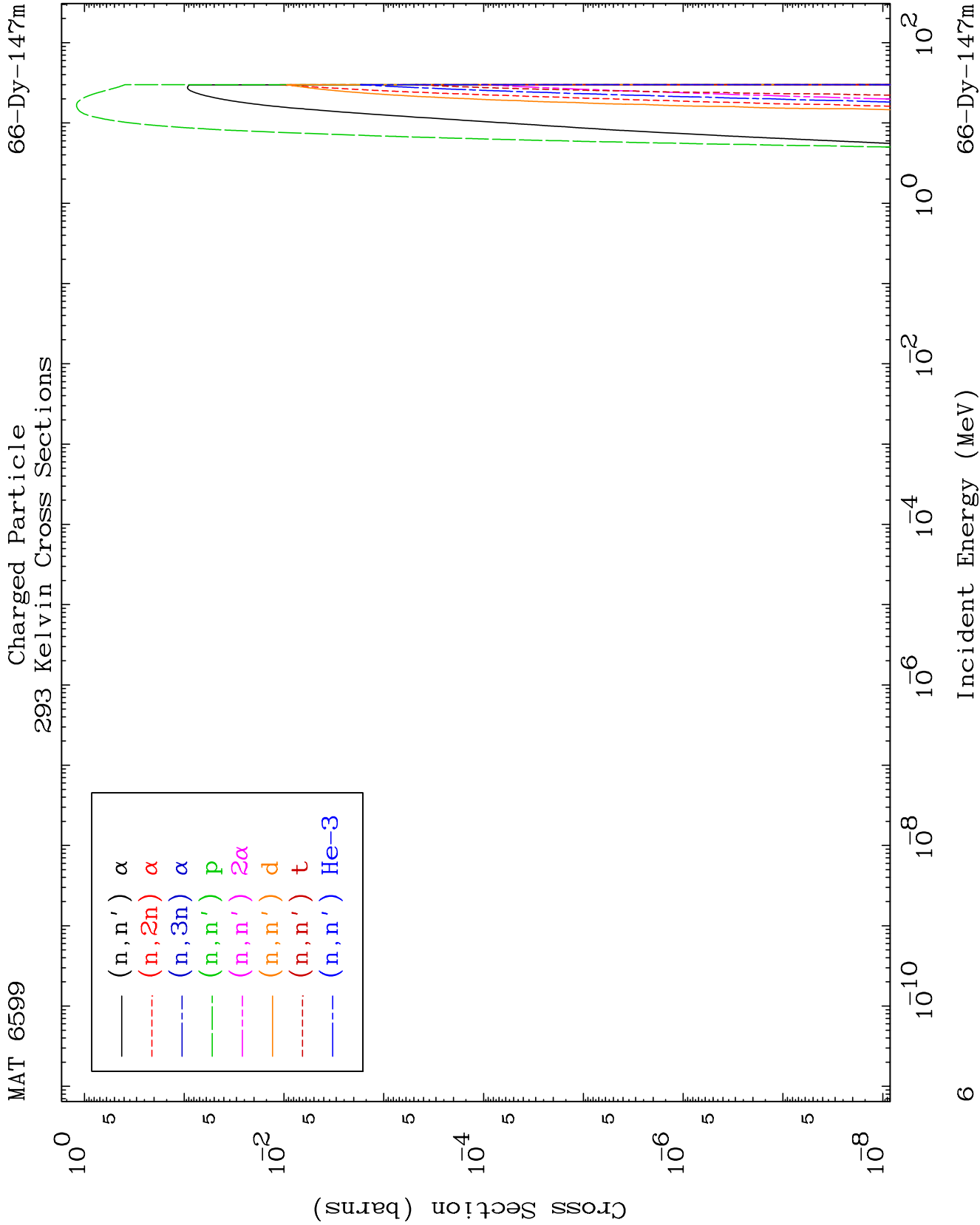


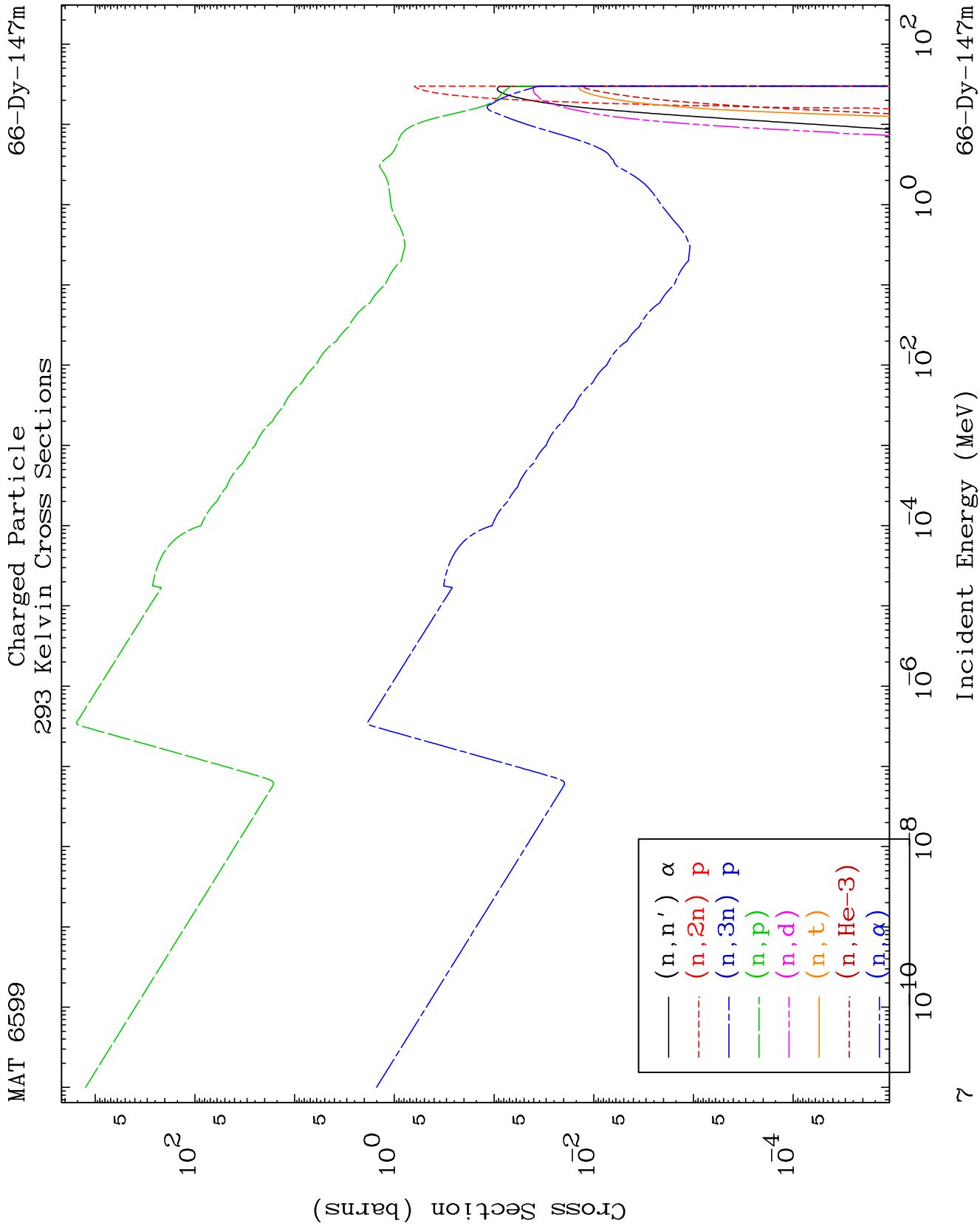
MAT 6599

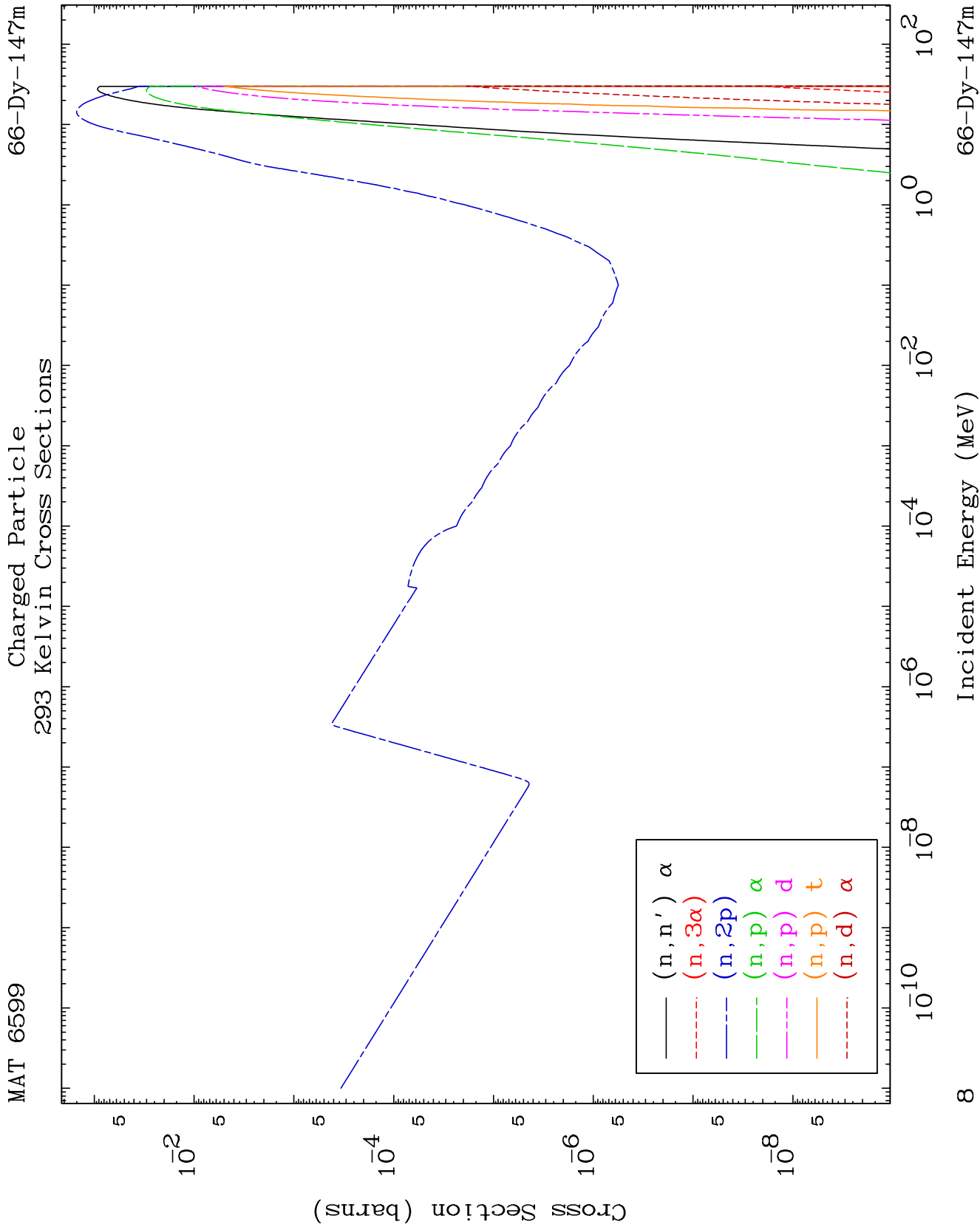
Neutron Absorption
293 Kelvin Cross Sections

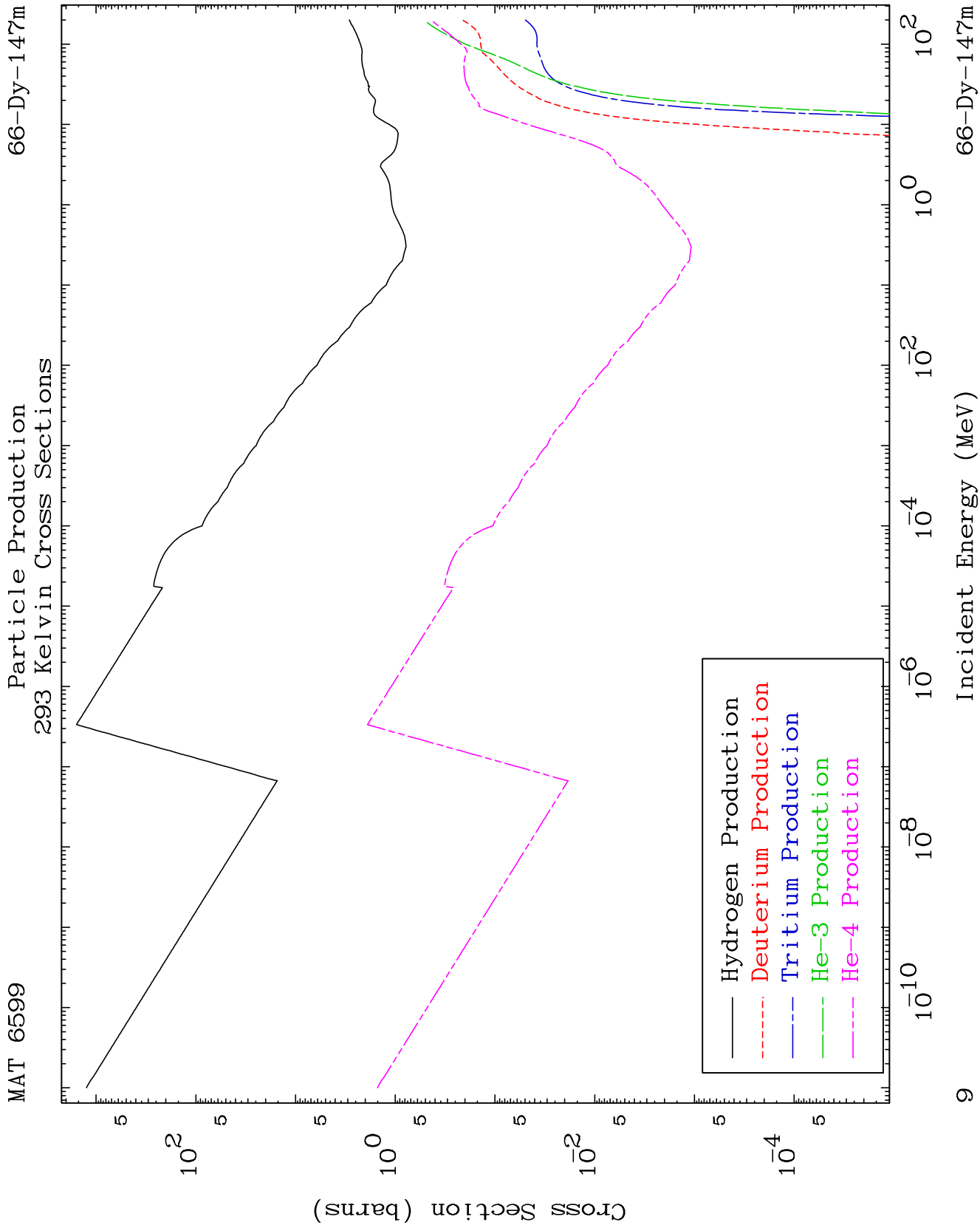
66-Dy-147m

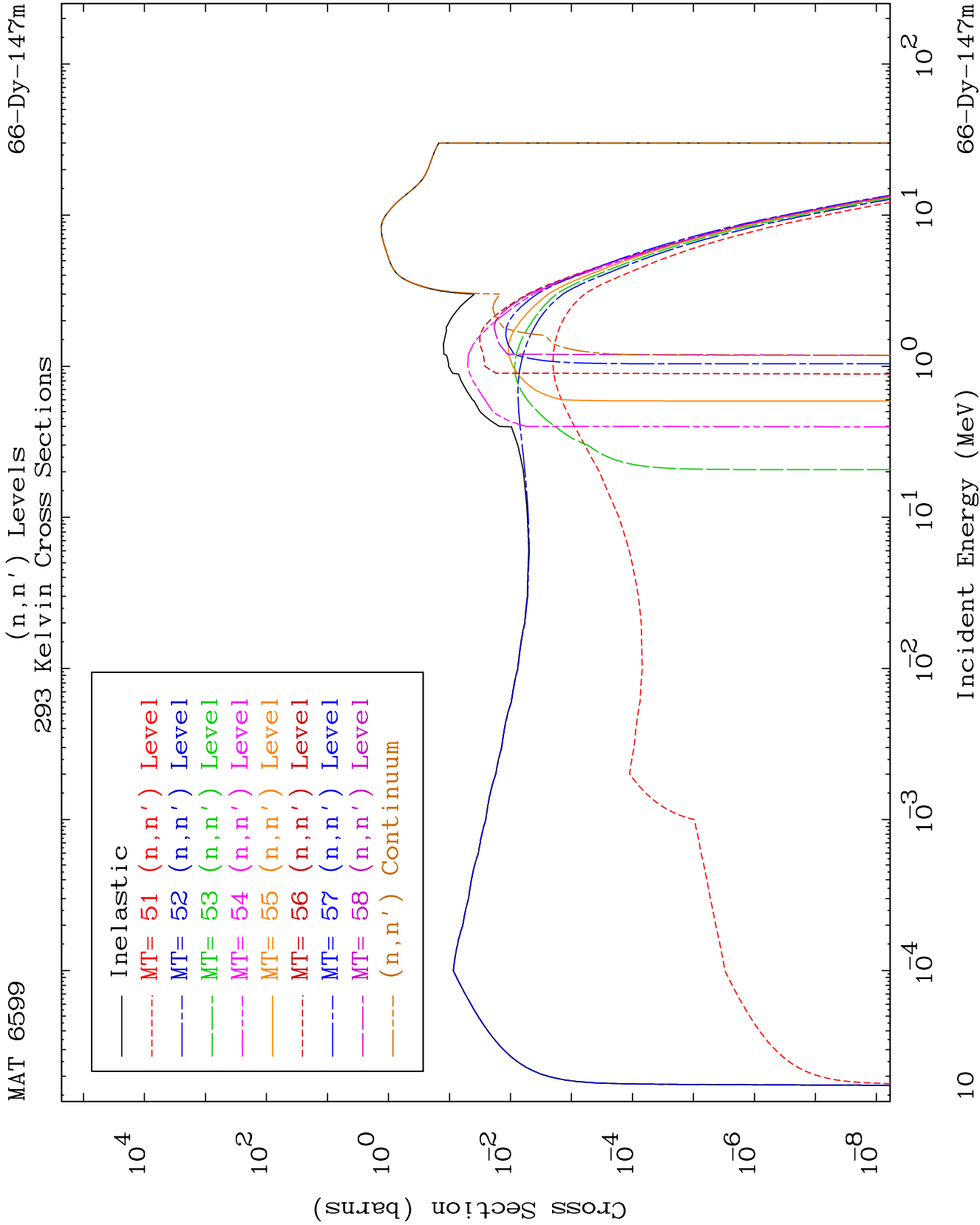


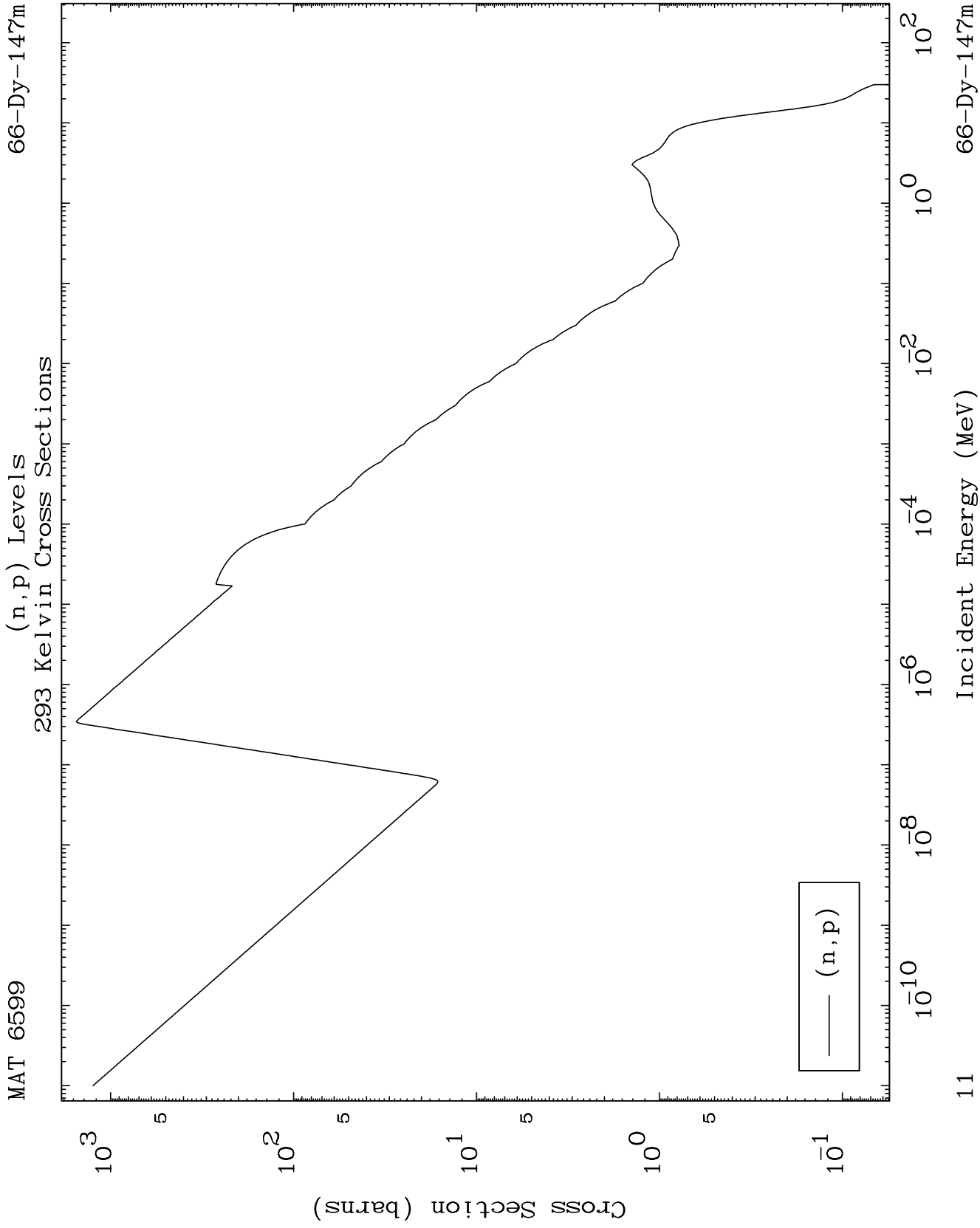


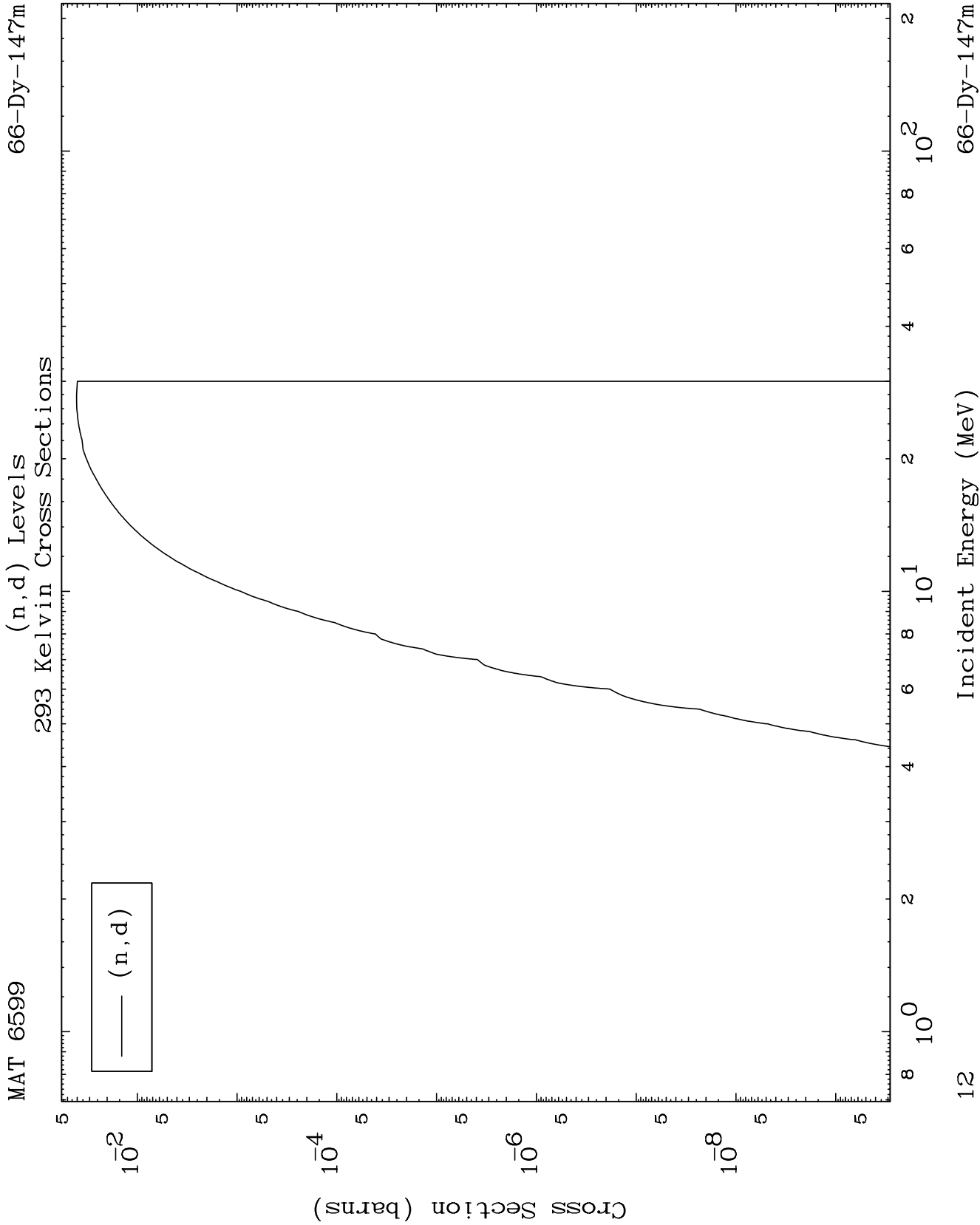








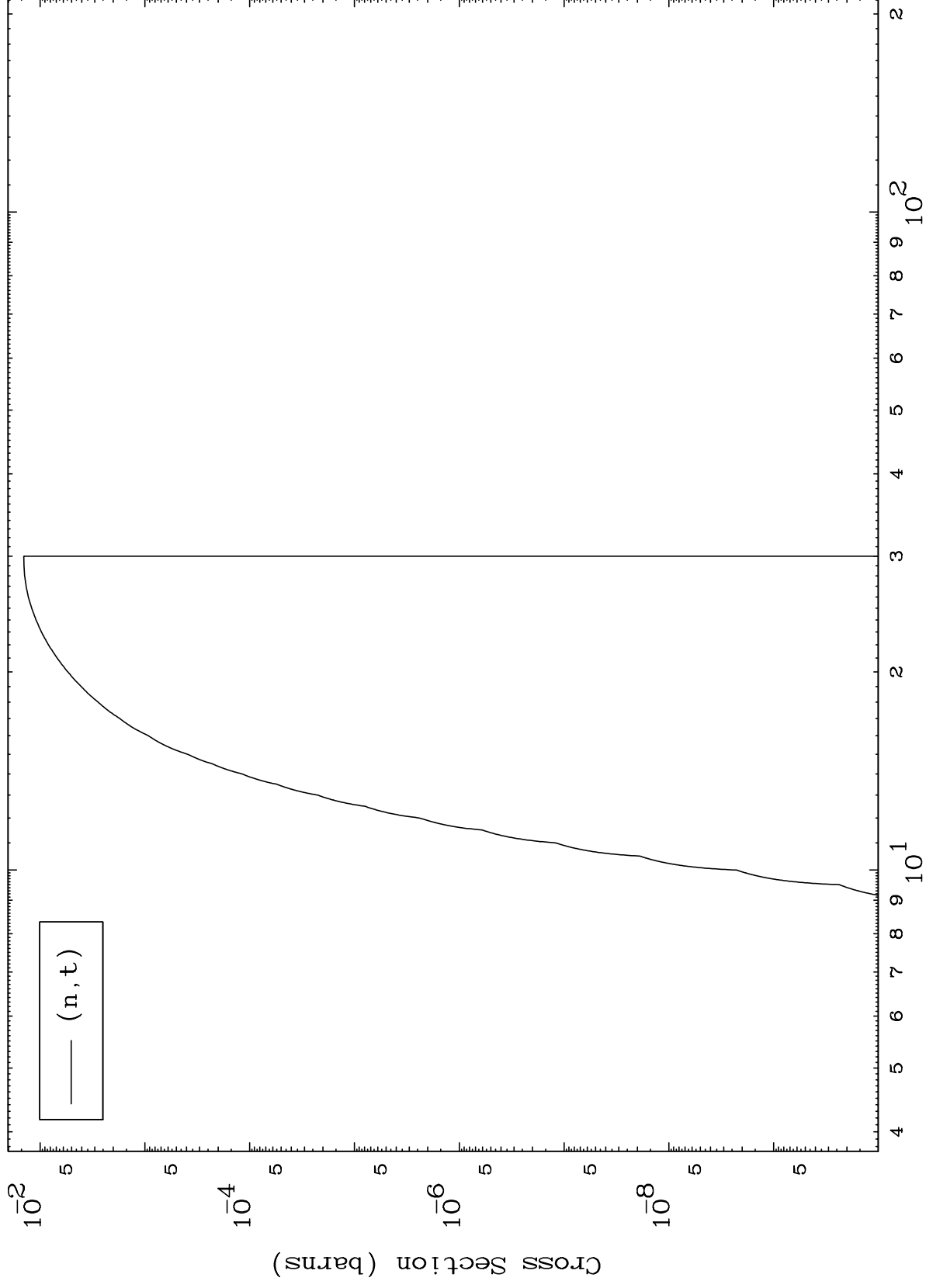




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(n,t) Levels
293 Kelvin Cross Sections

66-Dy-147m



Incident Energy (MeV)

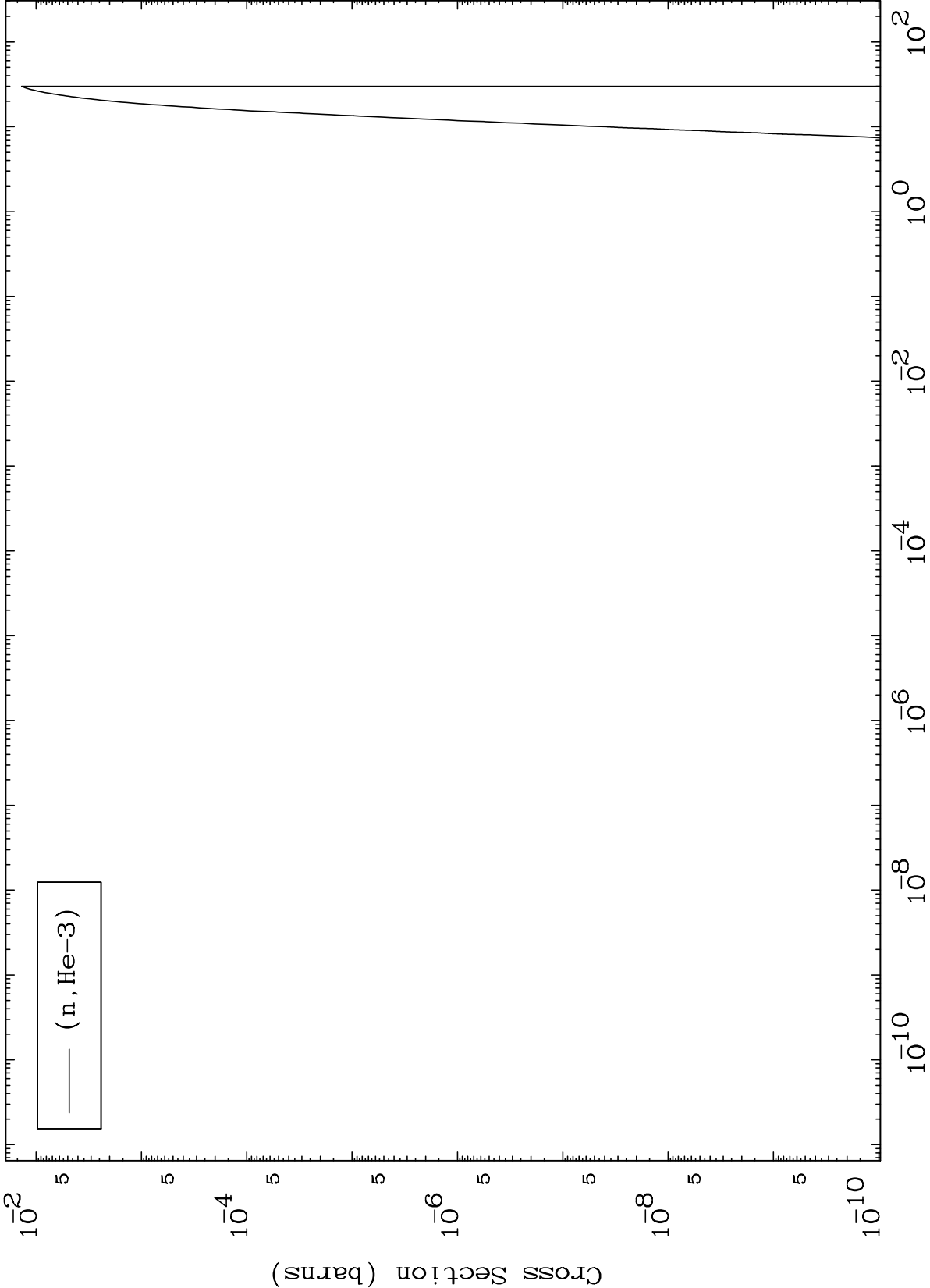
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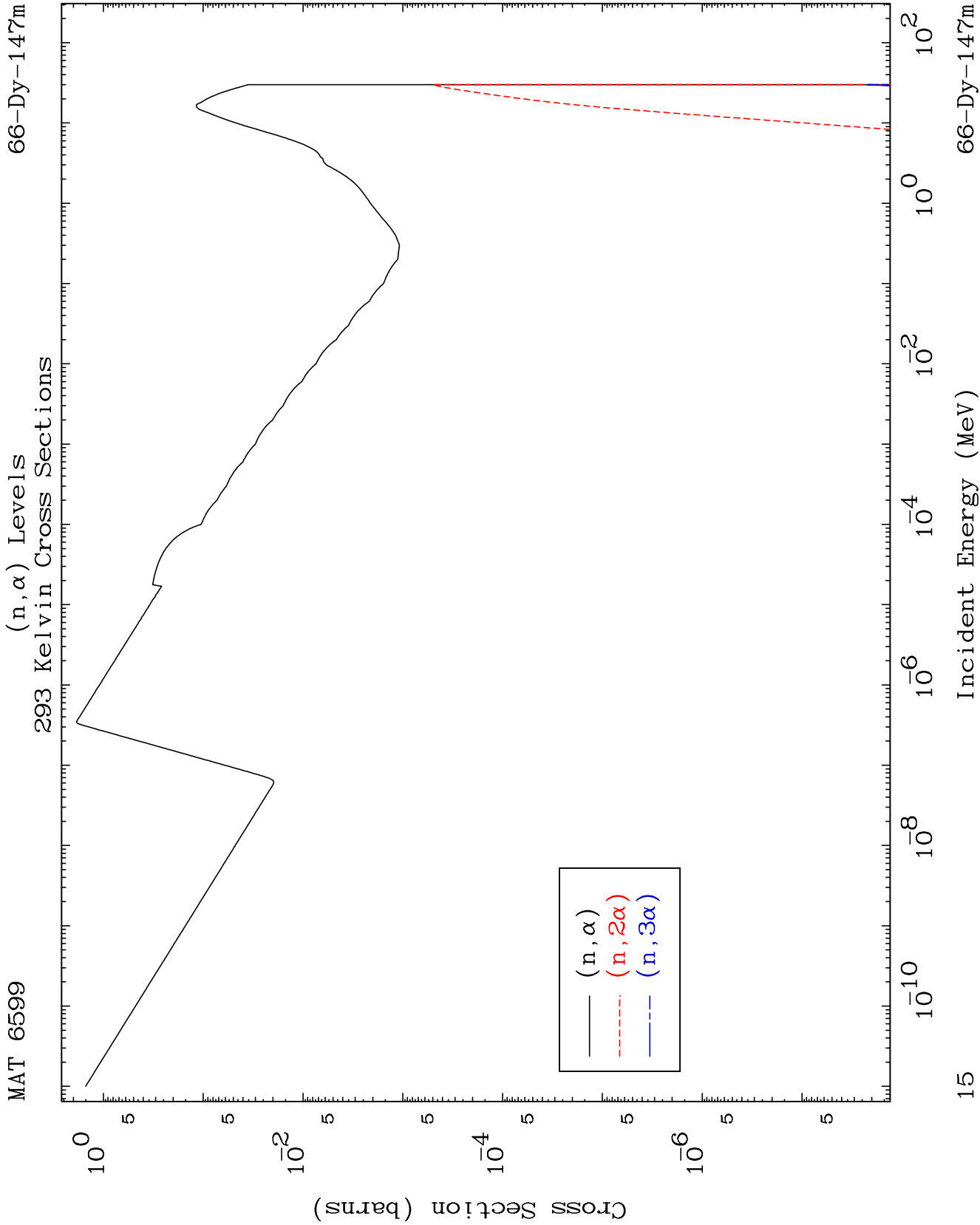
13

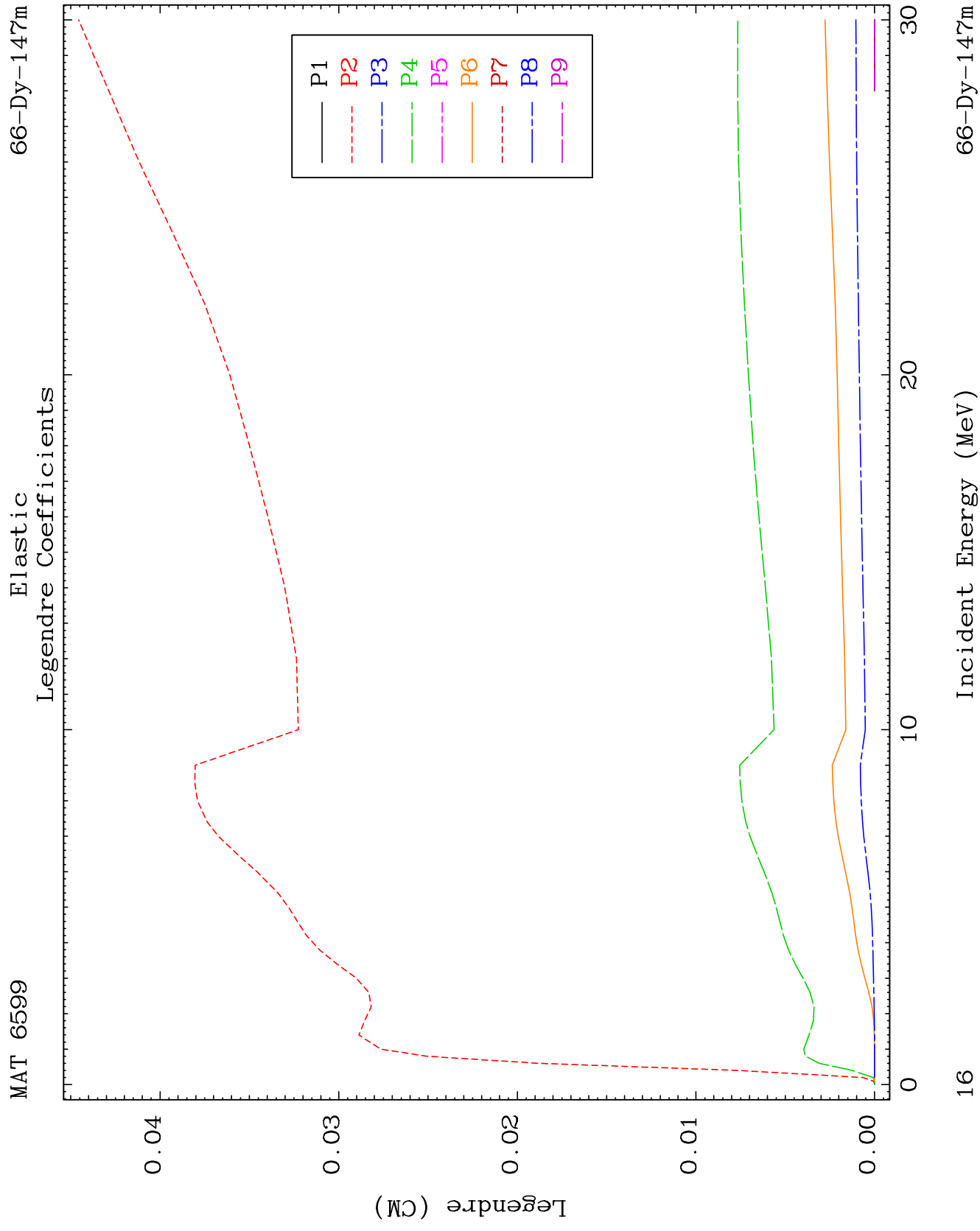
MAT 6599

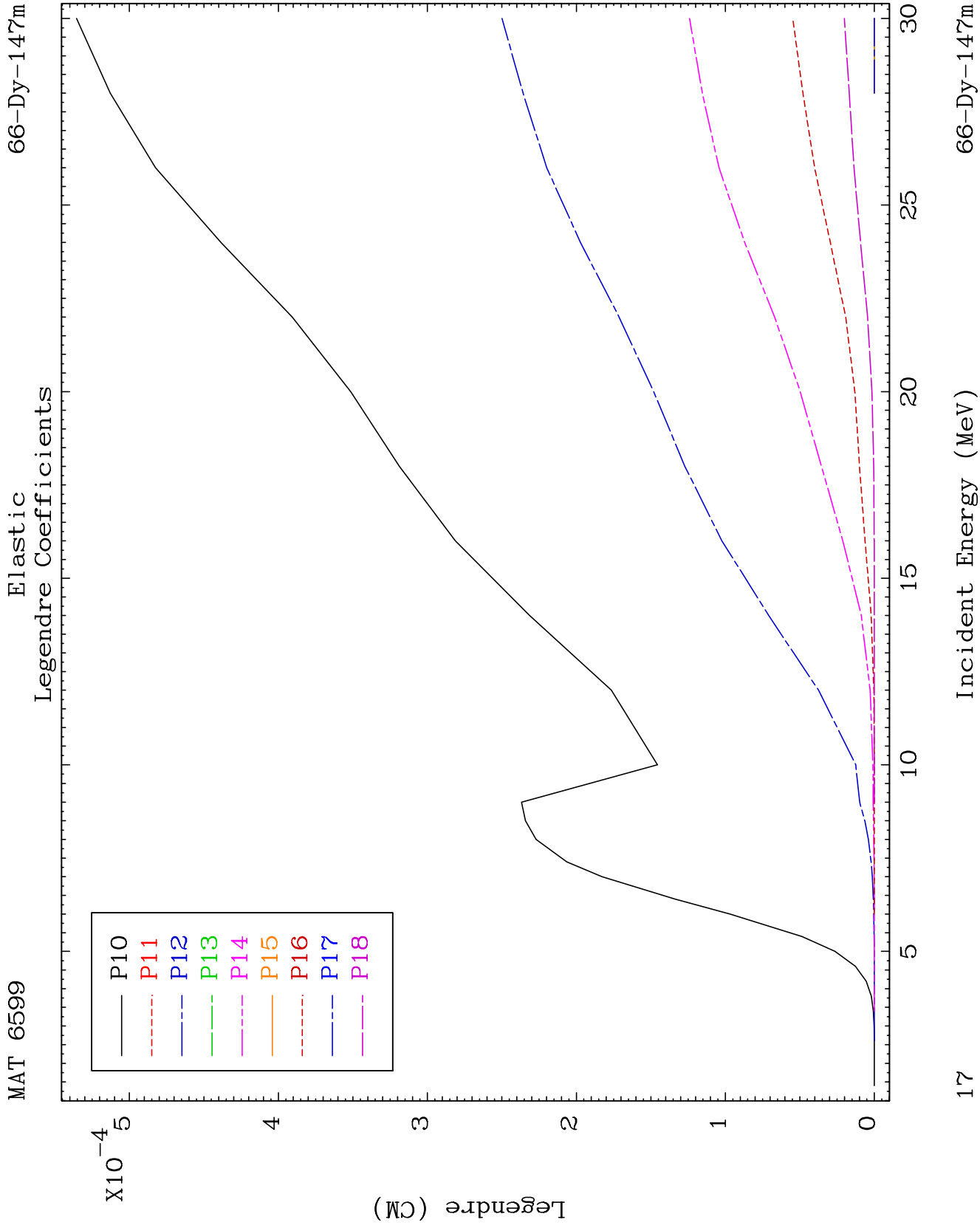
(n,He3) Levels
293 Kelvin Cross Sections

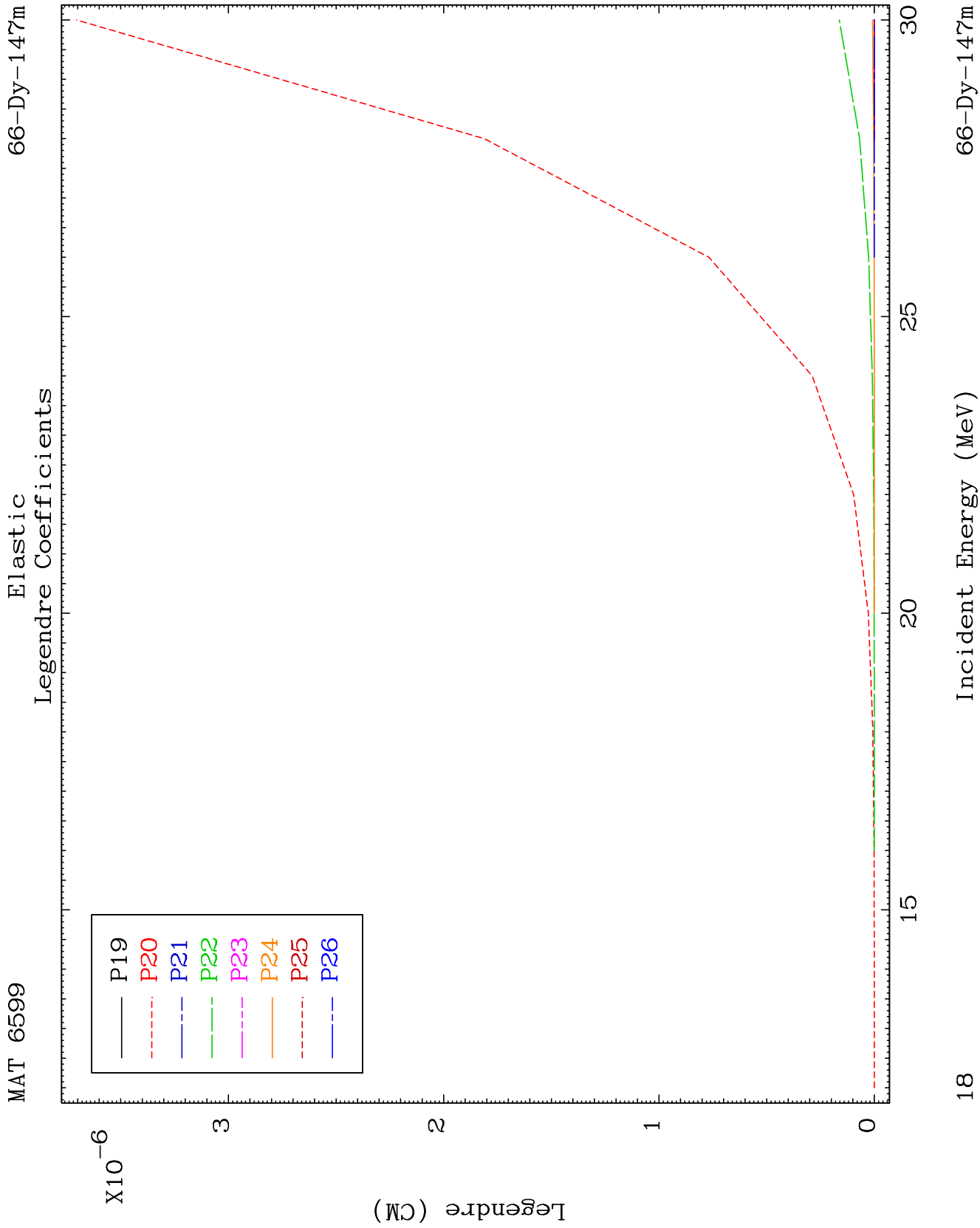
66-Dy-147m







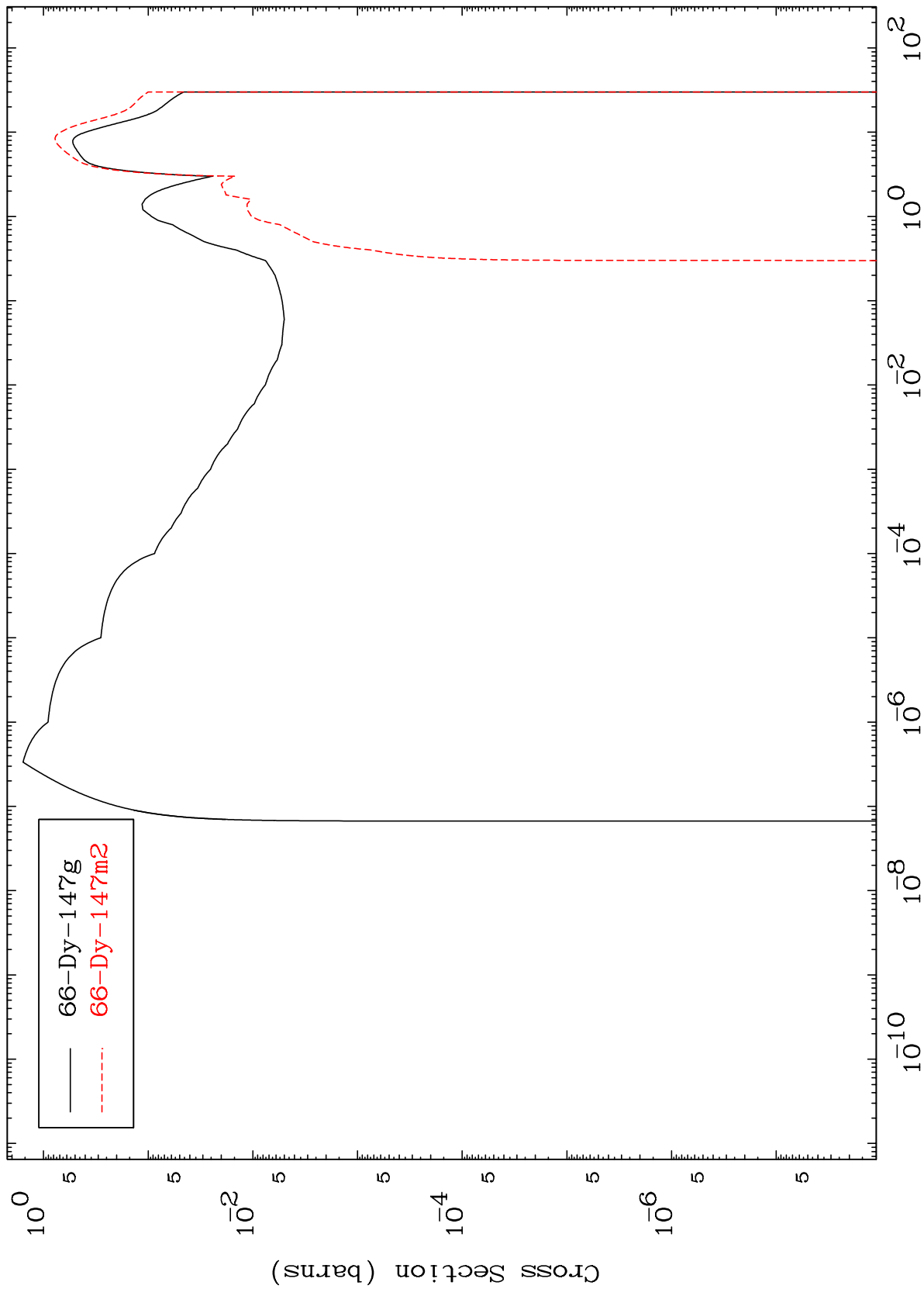




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66-Dy-147m

Inelastic
Radionuclide Production Cross Section

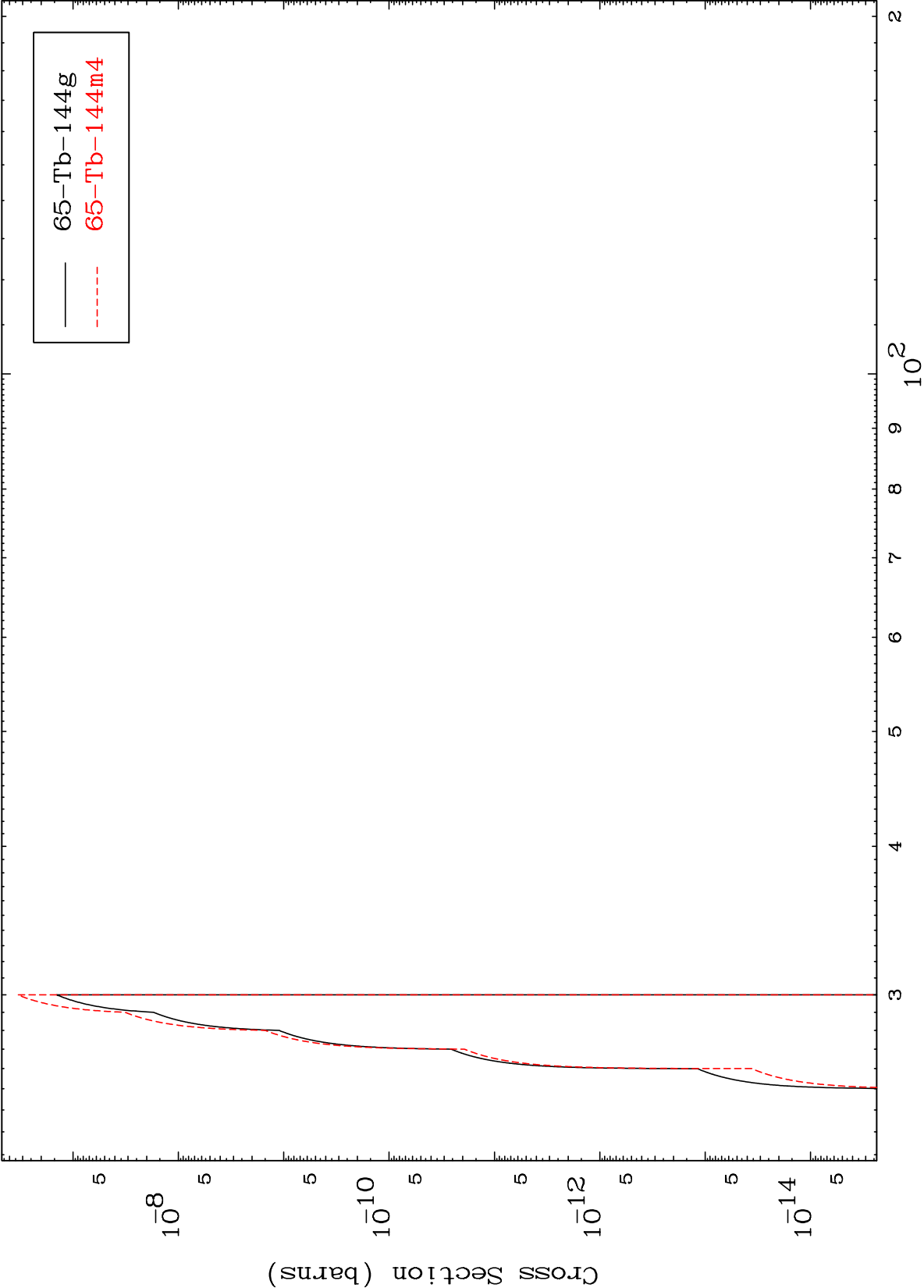


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(n,2n) d

66-Dy-147m

Radionuclide Production Cross Section



20

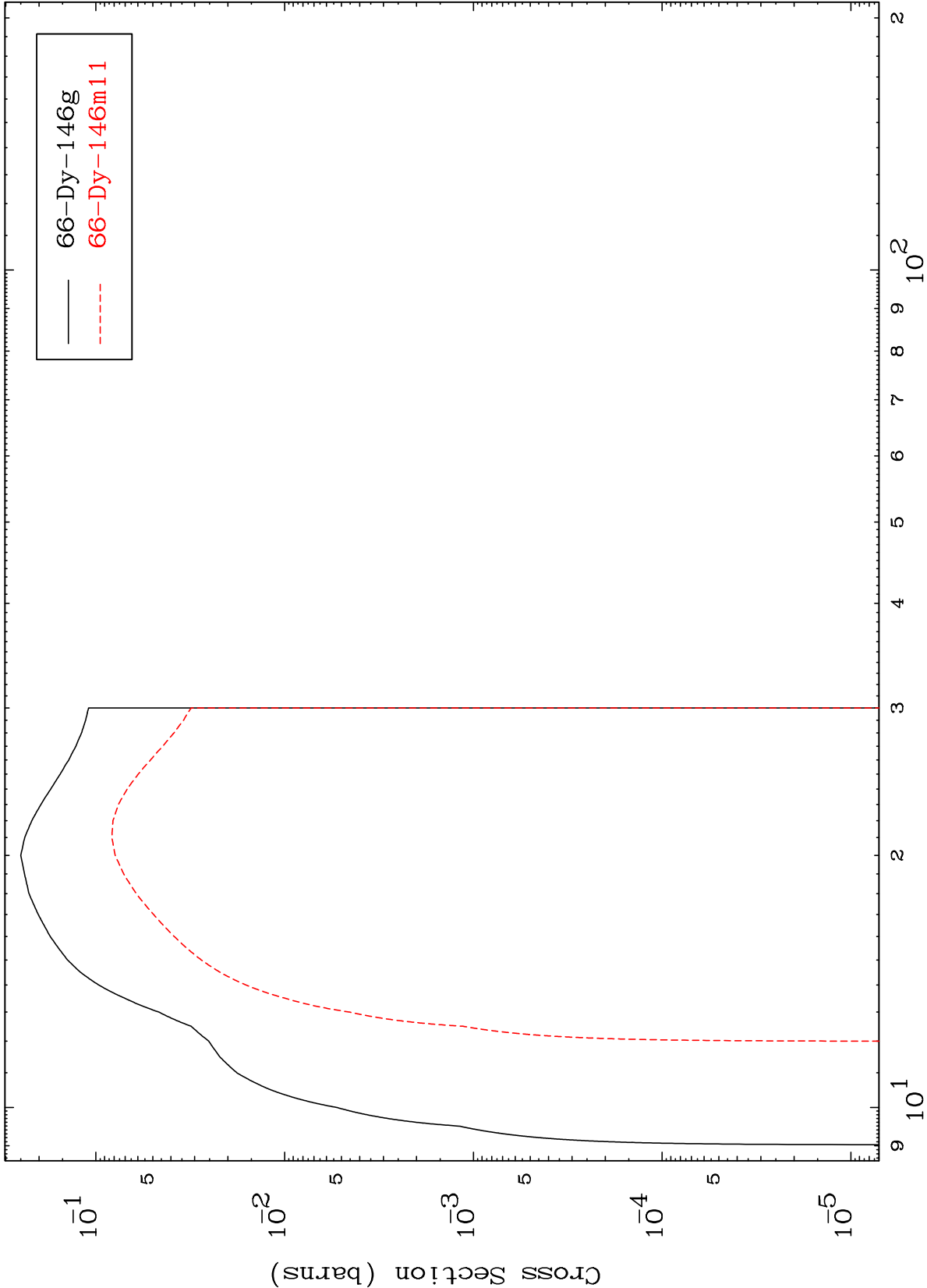
Incident Energy (MeV)

66-Dy-147m

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66-Dy-147m

(n,2n)
Radionuclide Production Cross Section

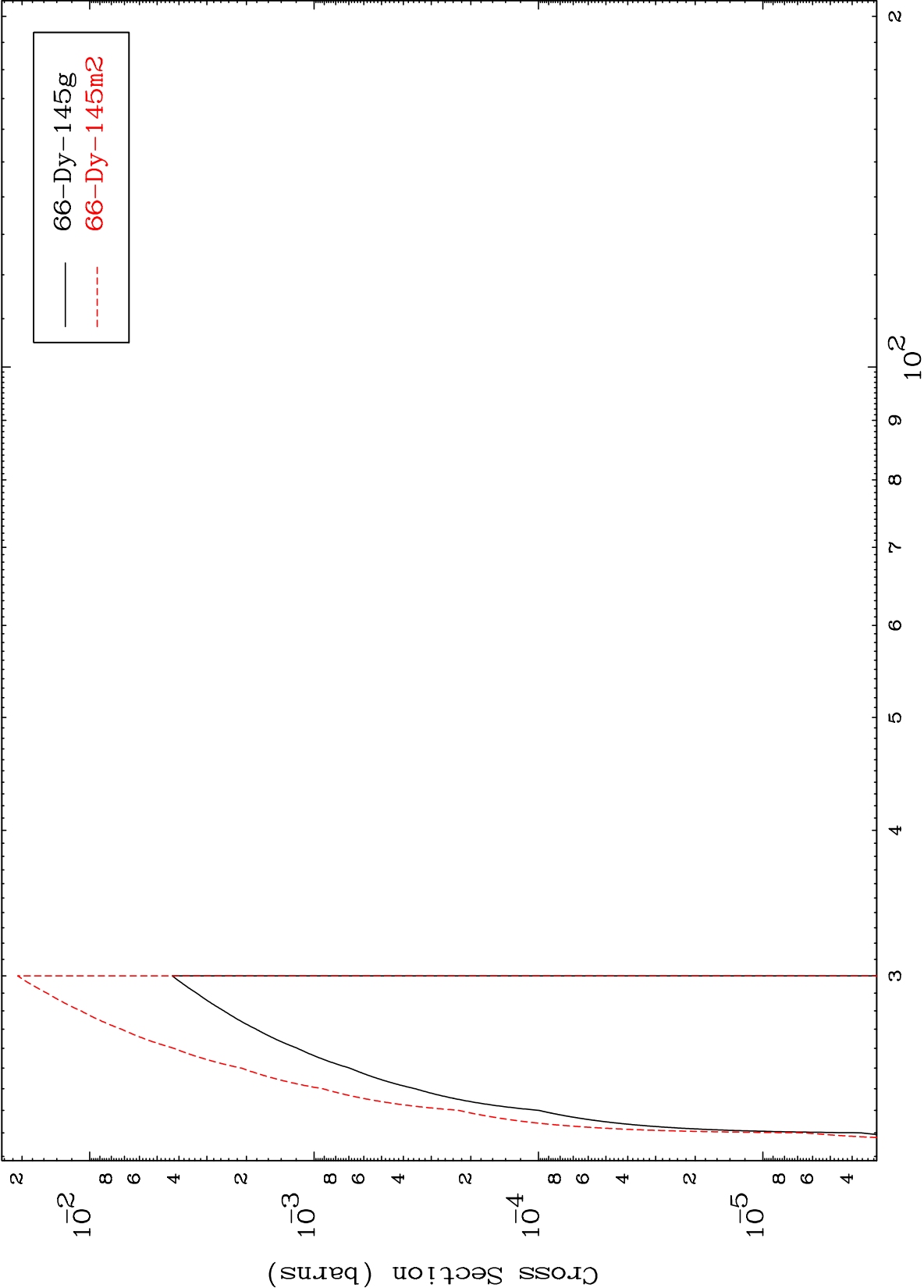


66-Dy-147m

Incident Energy (MeV)

21

(n,3n)
Radionuclide Production Cross Section

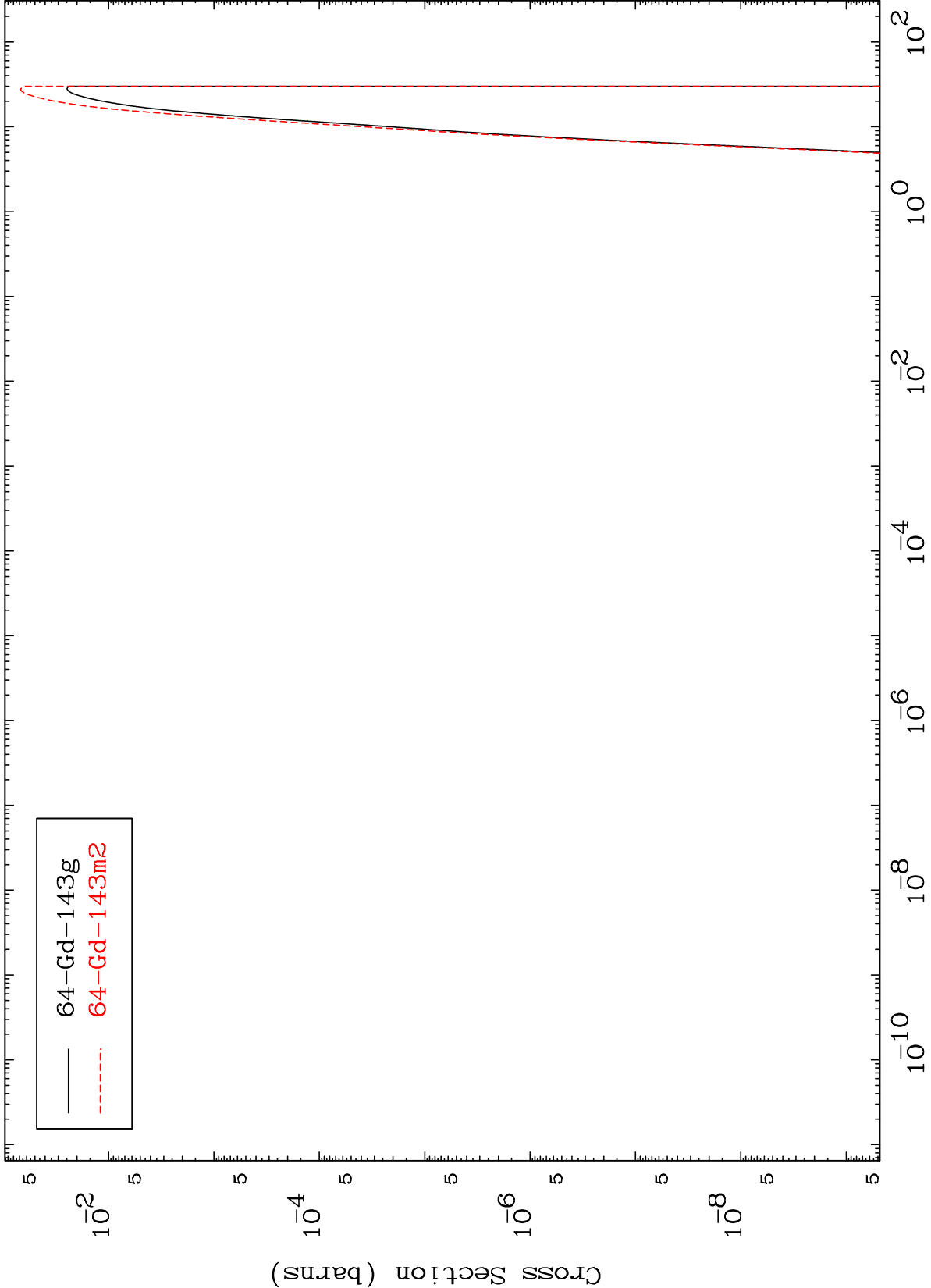


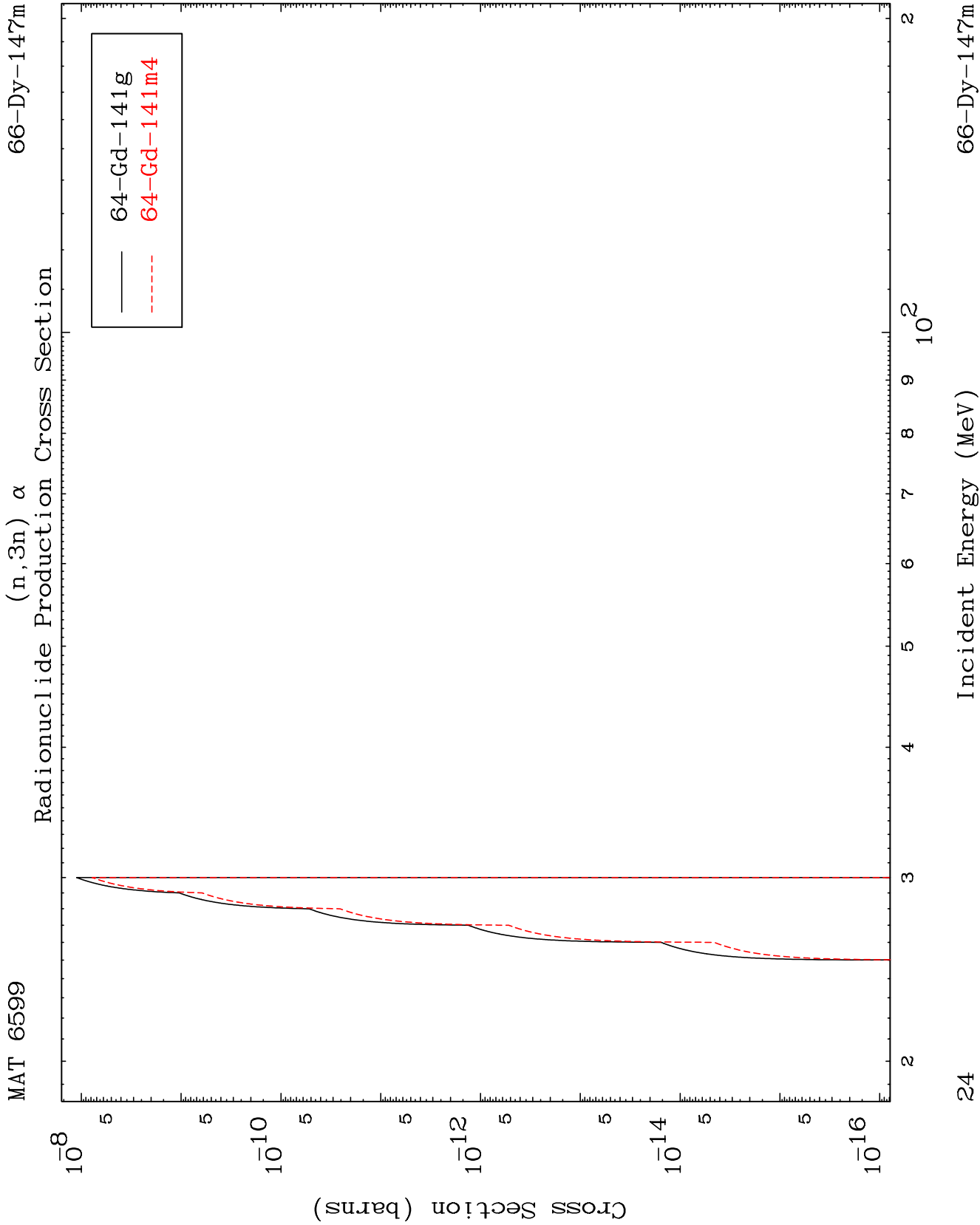
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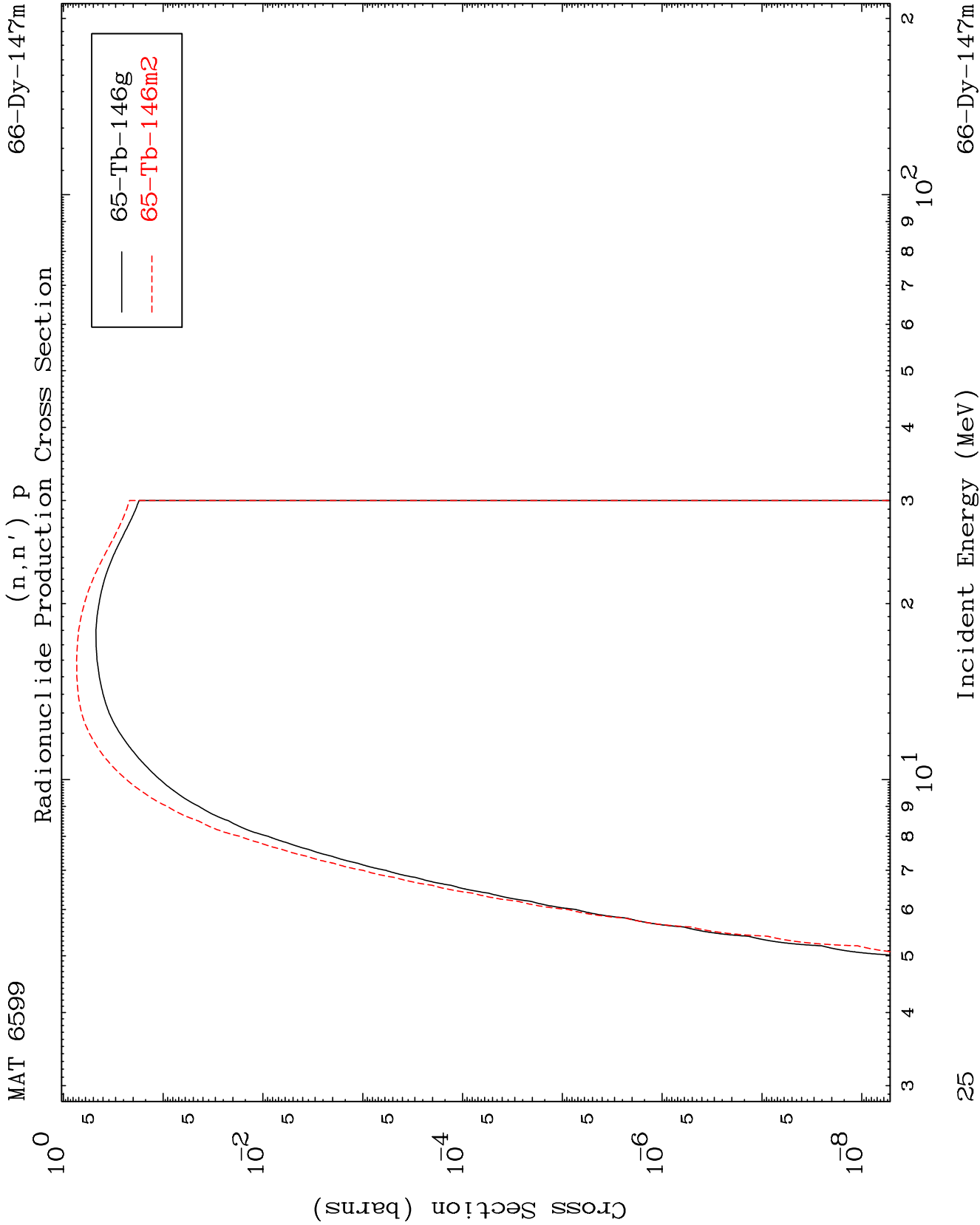
(n,n') α

66-Dy-147m

Radionuclide Production Cross Section





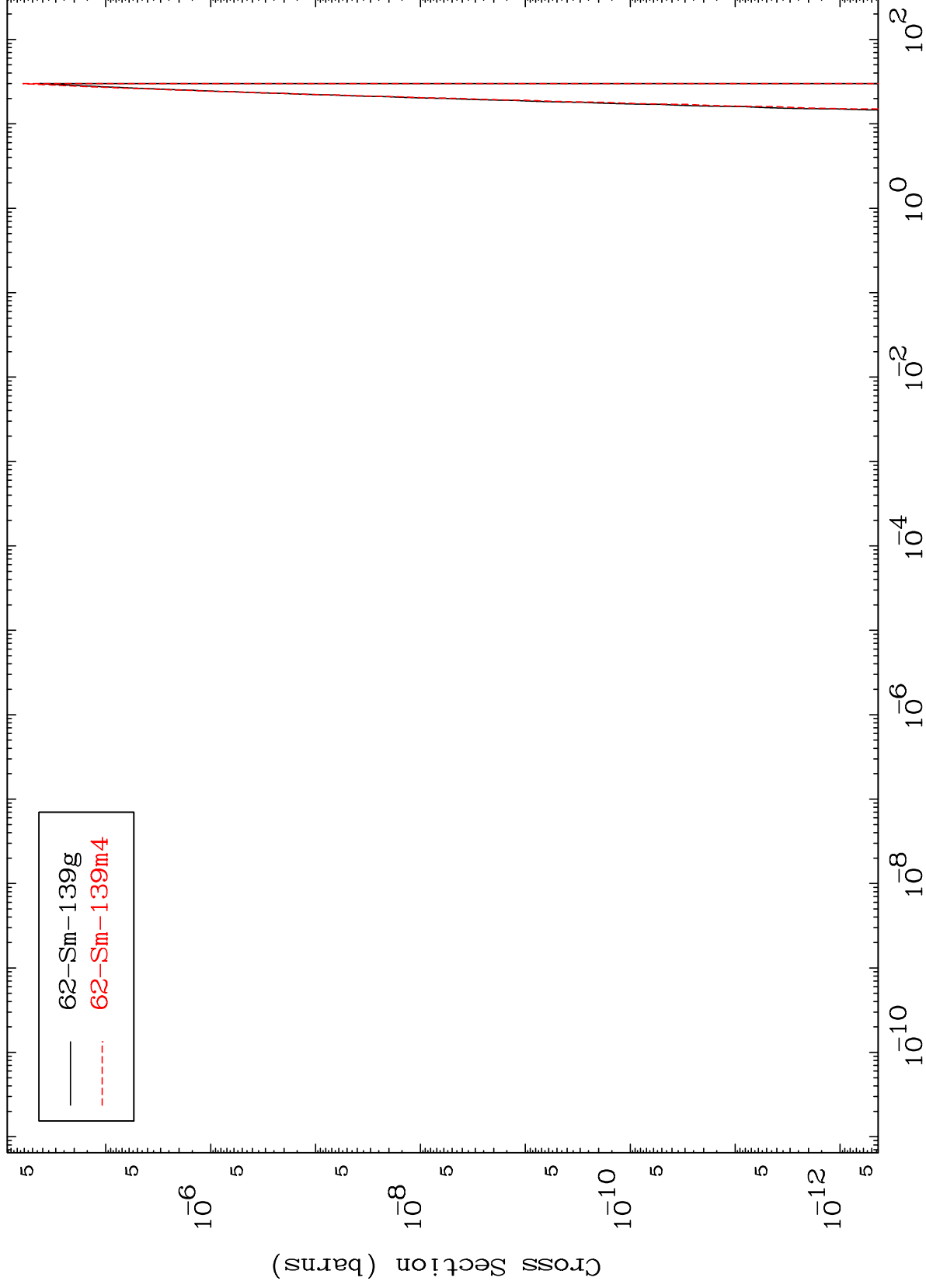


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(n,n') 2 α

66-Dy-147m

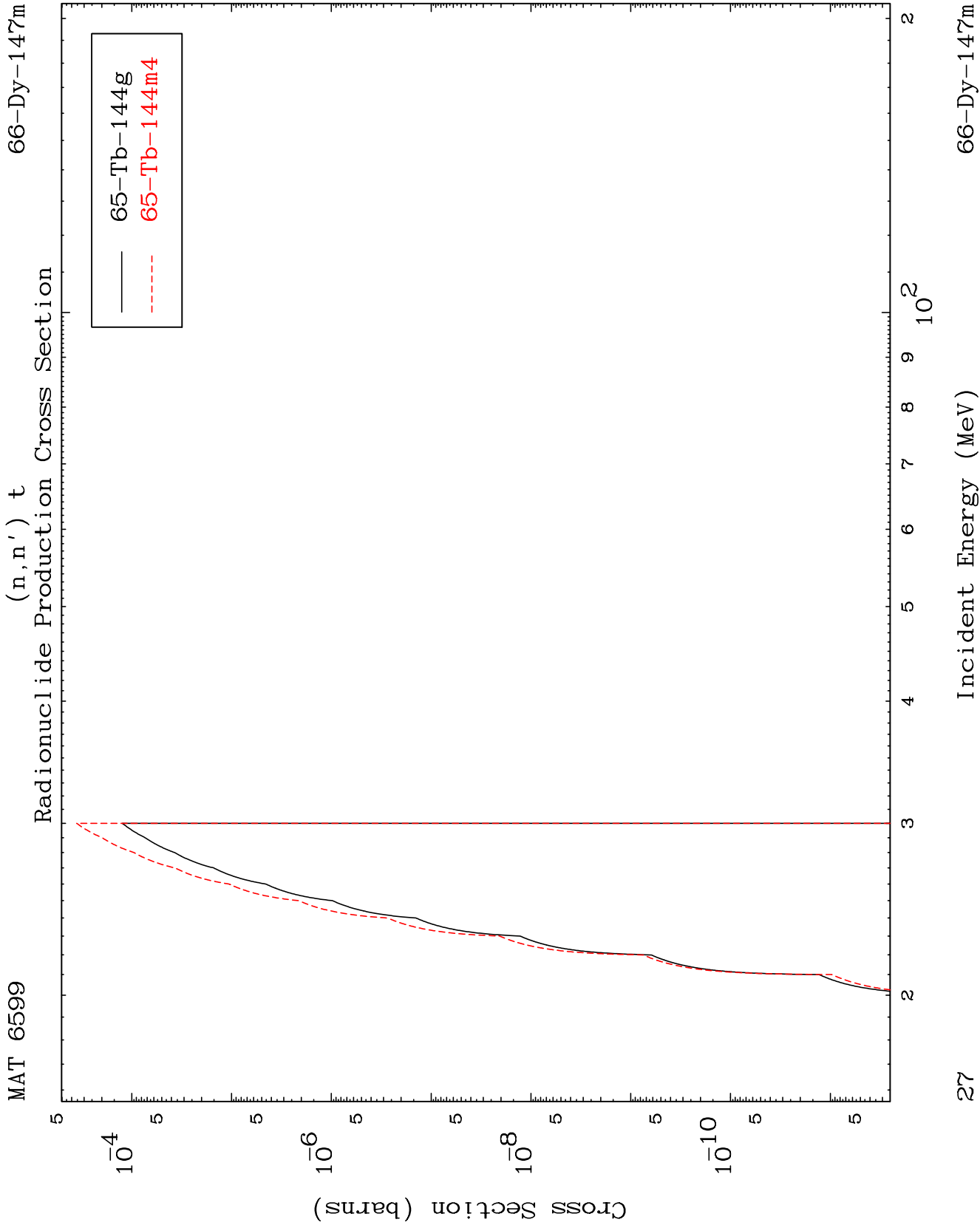
Radionuclide Production Cross Section



26

Incident Energy (MeV)

66-Dy-147m

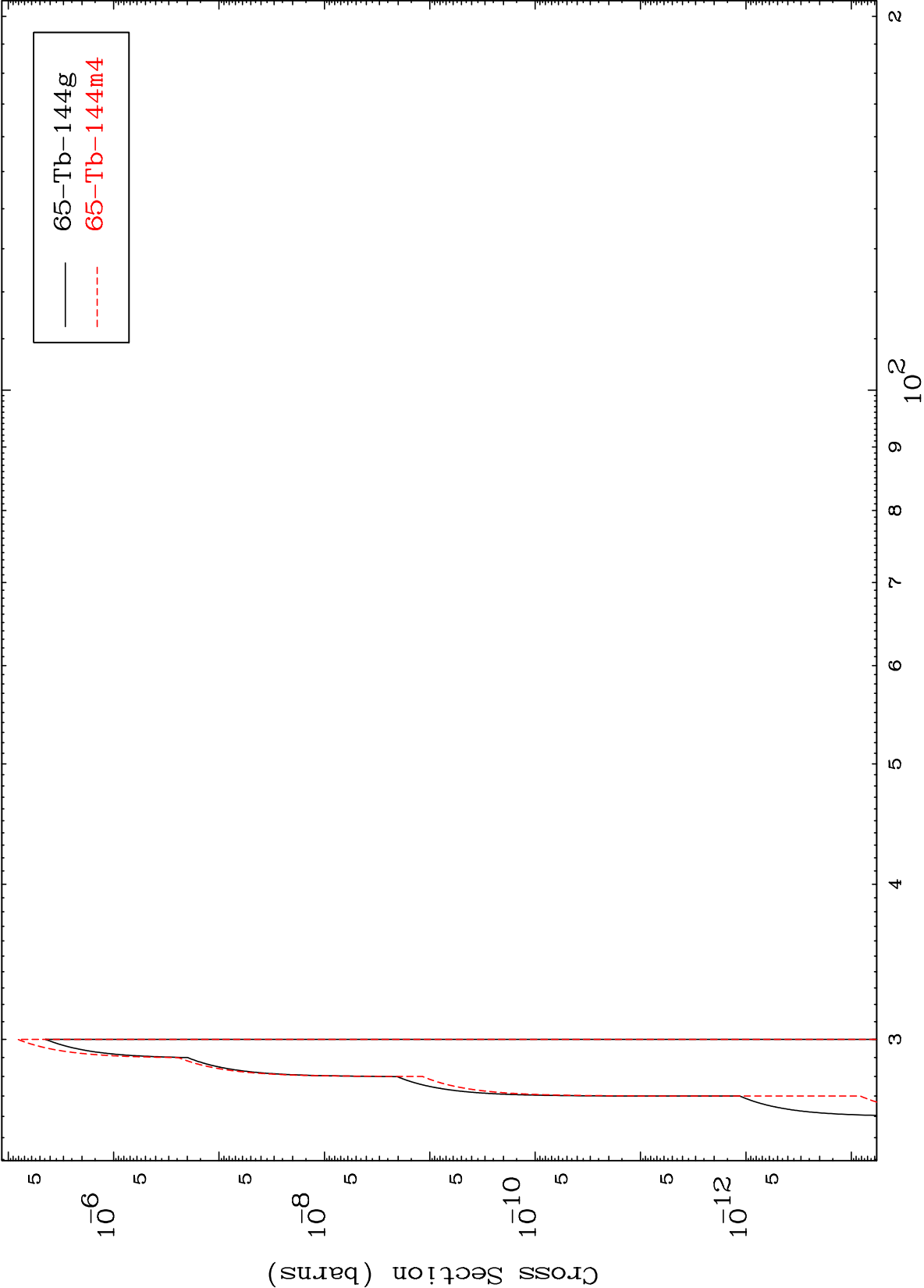


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(n,3n) p

66-Dy-147m

Radionuclide Production Cross Section



28

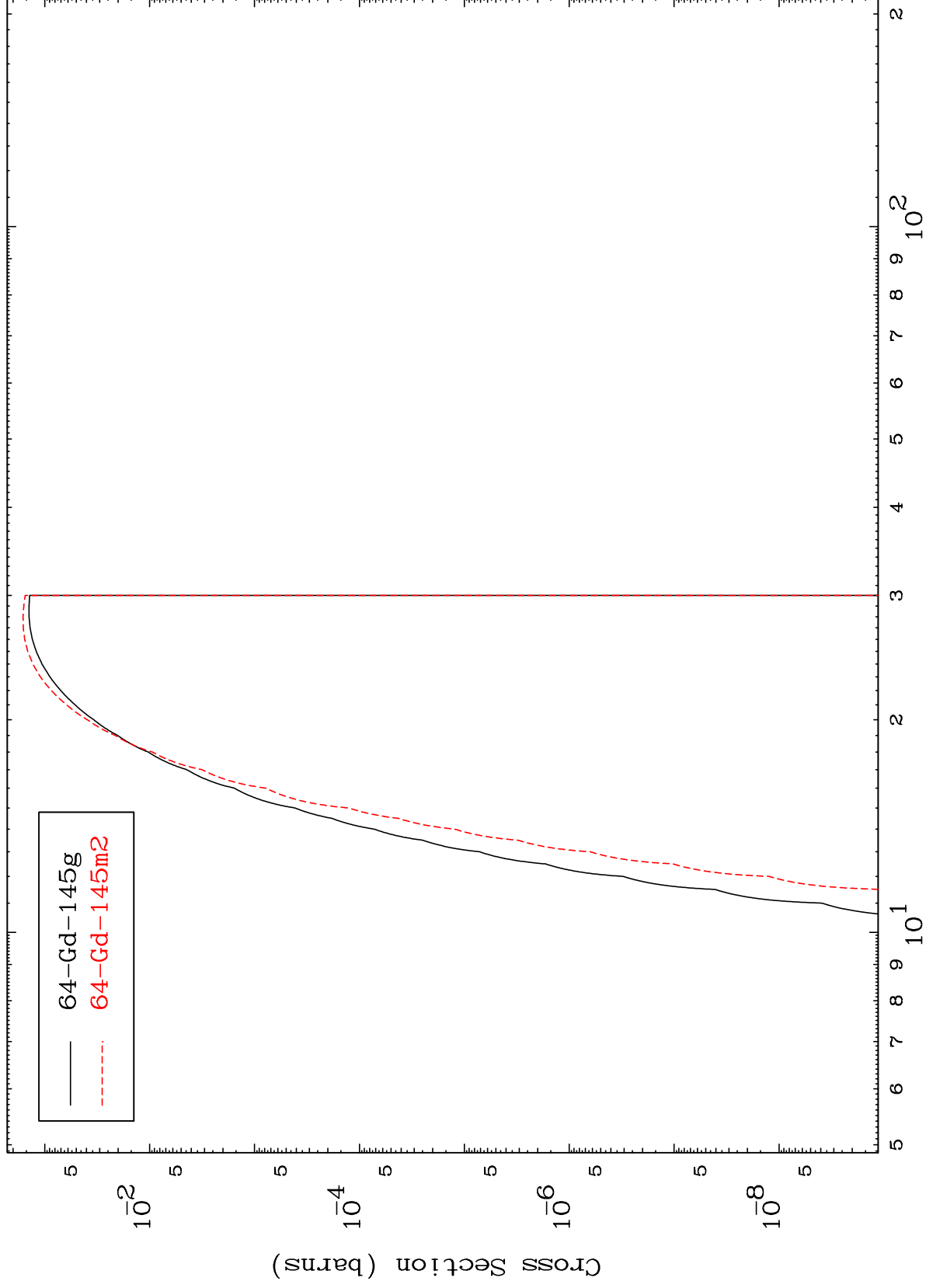
Incident Energy (MeV)

66-Dy-147m

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66-Dy-147m

(n,2n) p
Radionuclide Production Cross Section



29

Incident Energy (MeV)

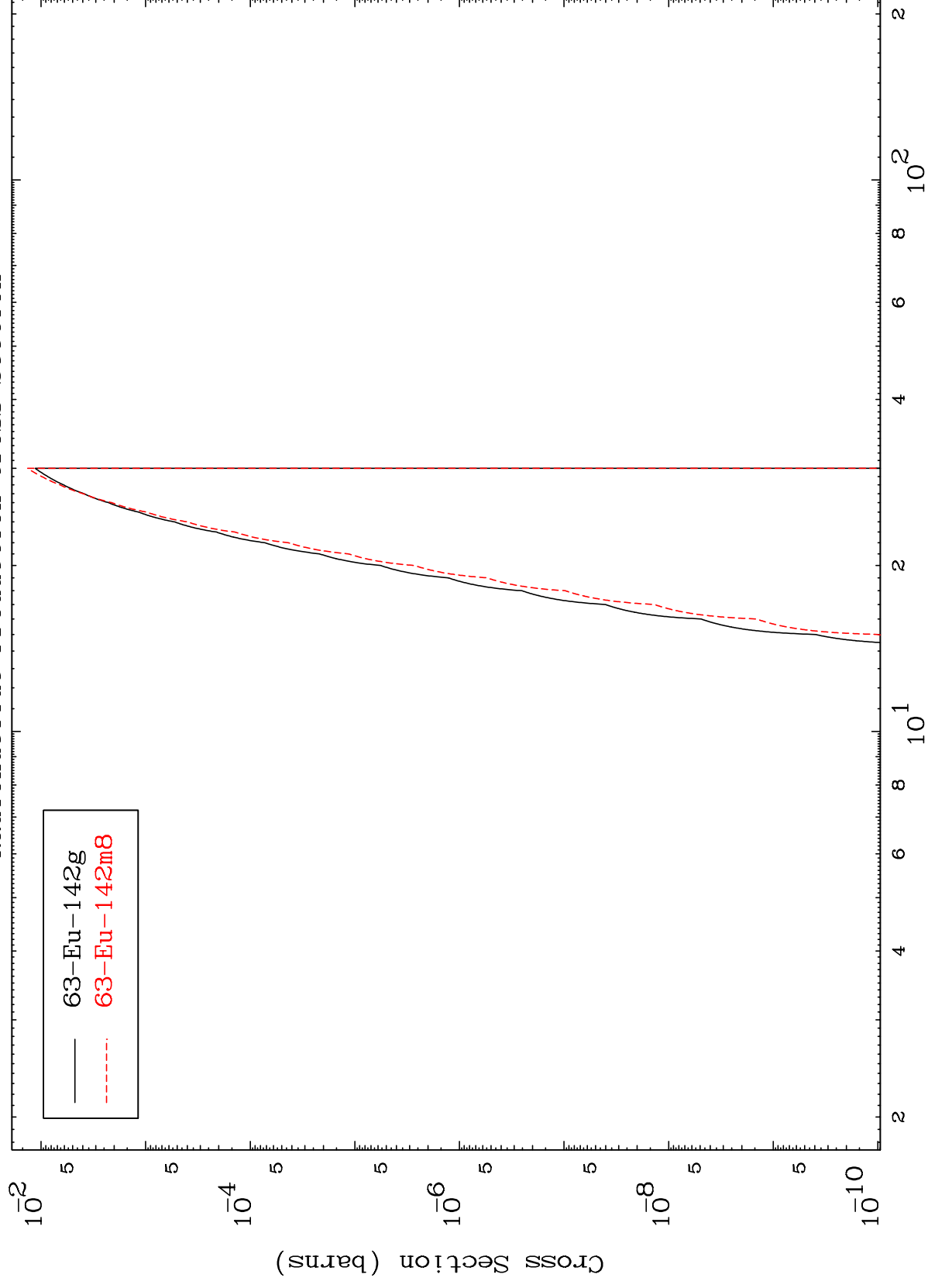
66-Dy-147m

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$$(n, n') \propto p$$

66-Dy-147m

Radionuclide Production Cross Section



30

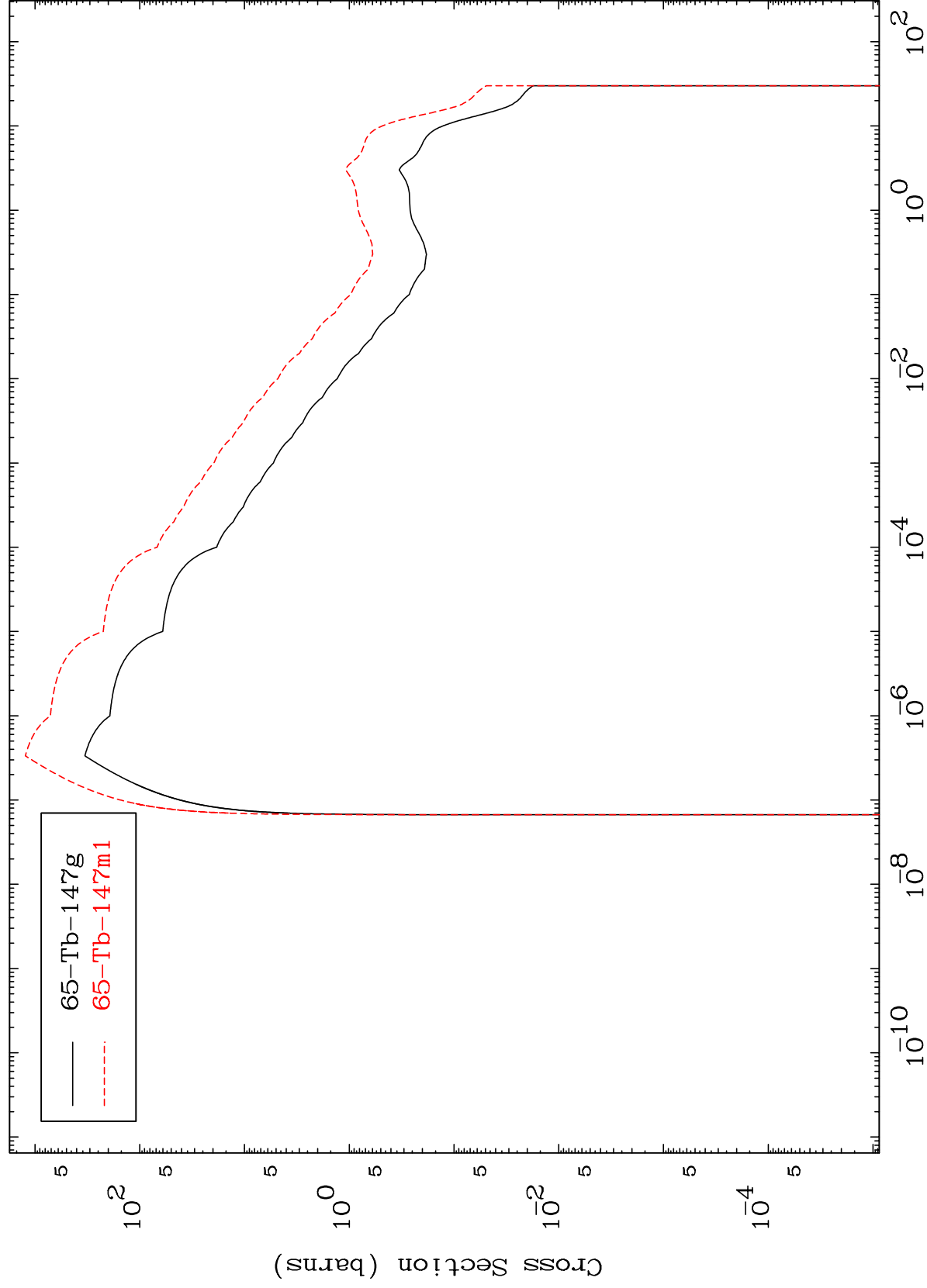
Incident Energy (MeV)

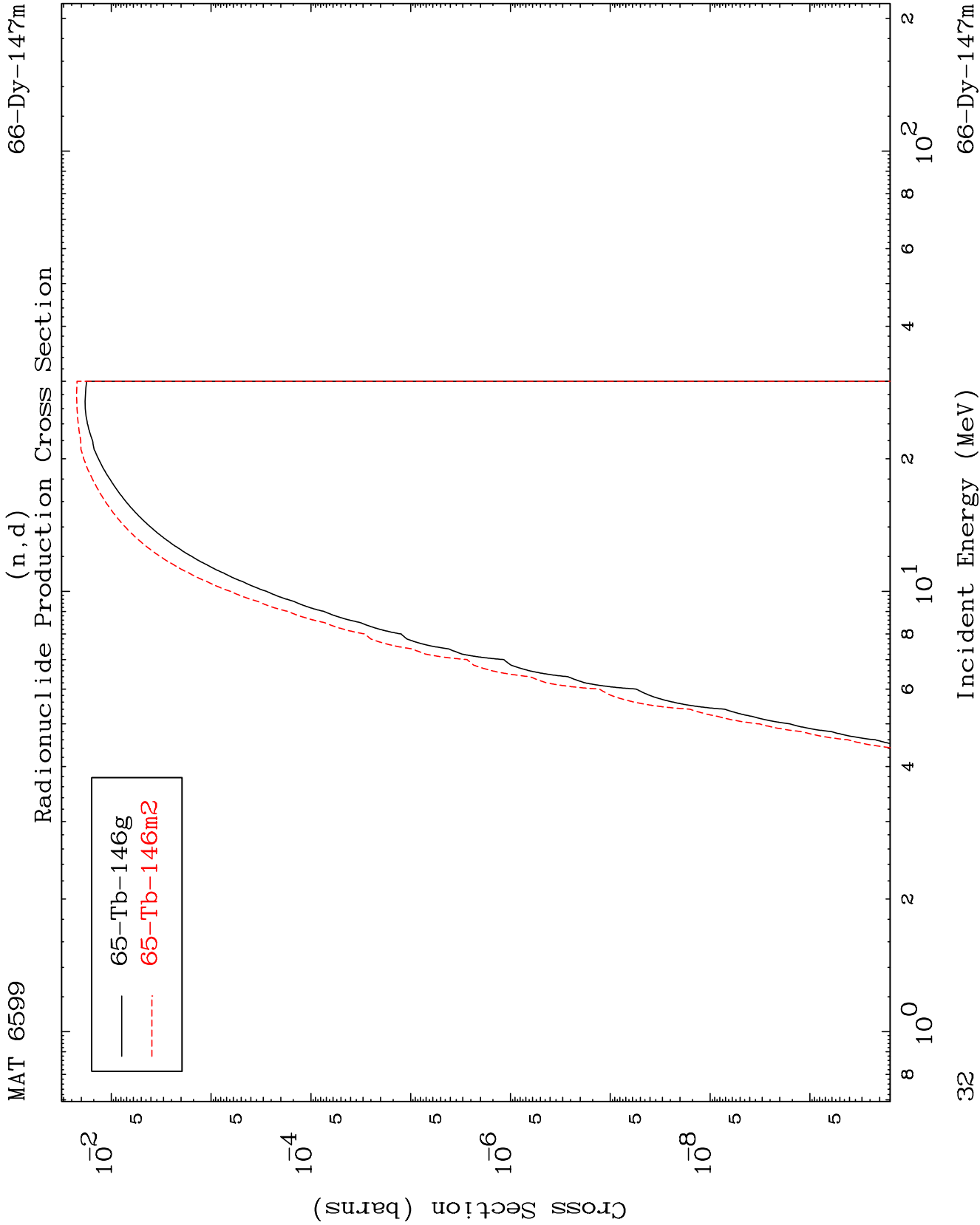
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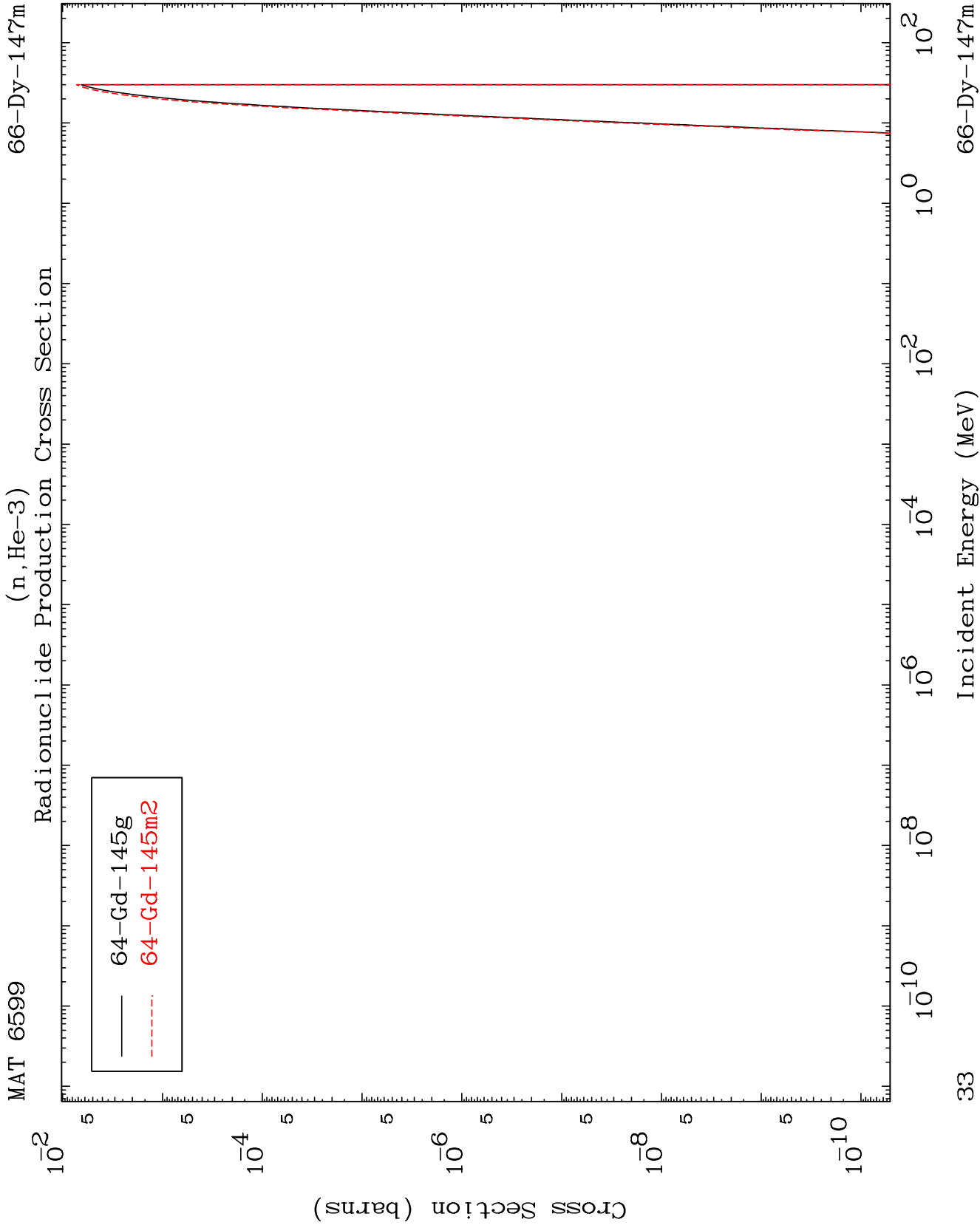
MAT 6599

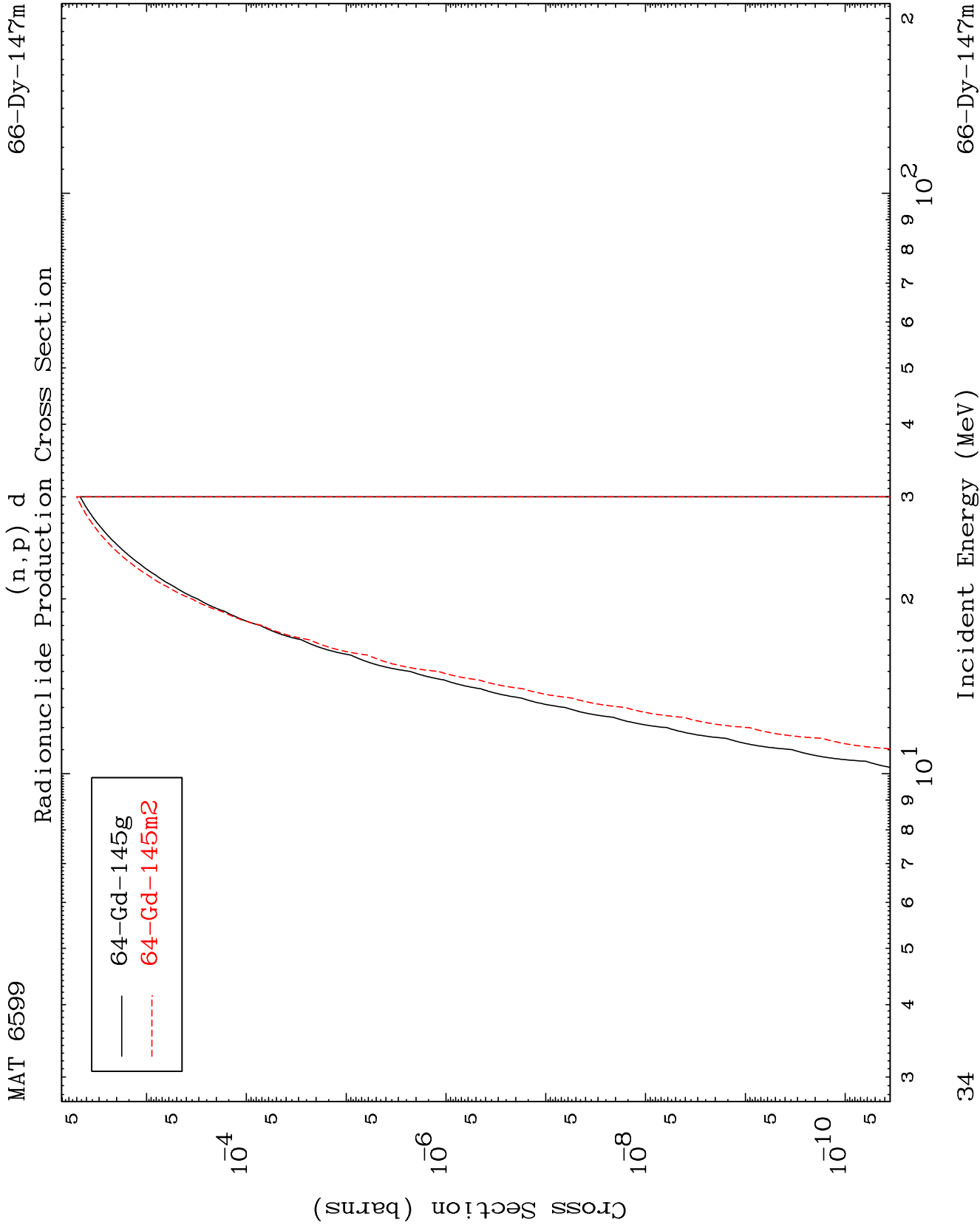
66-Dy-147m

(n,p)
Radionuclide Production Cross Section







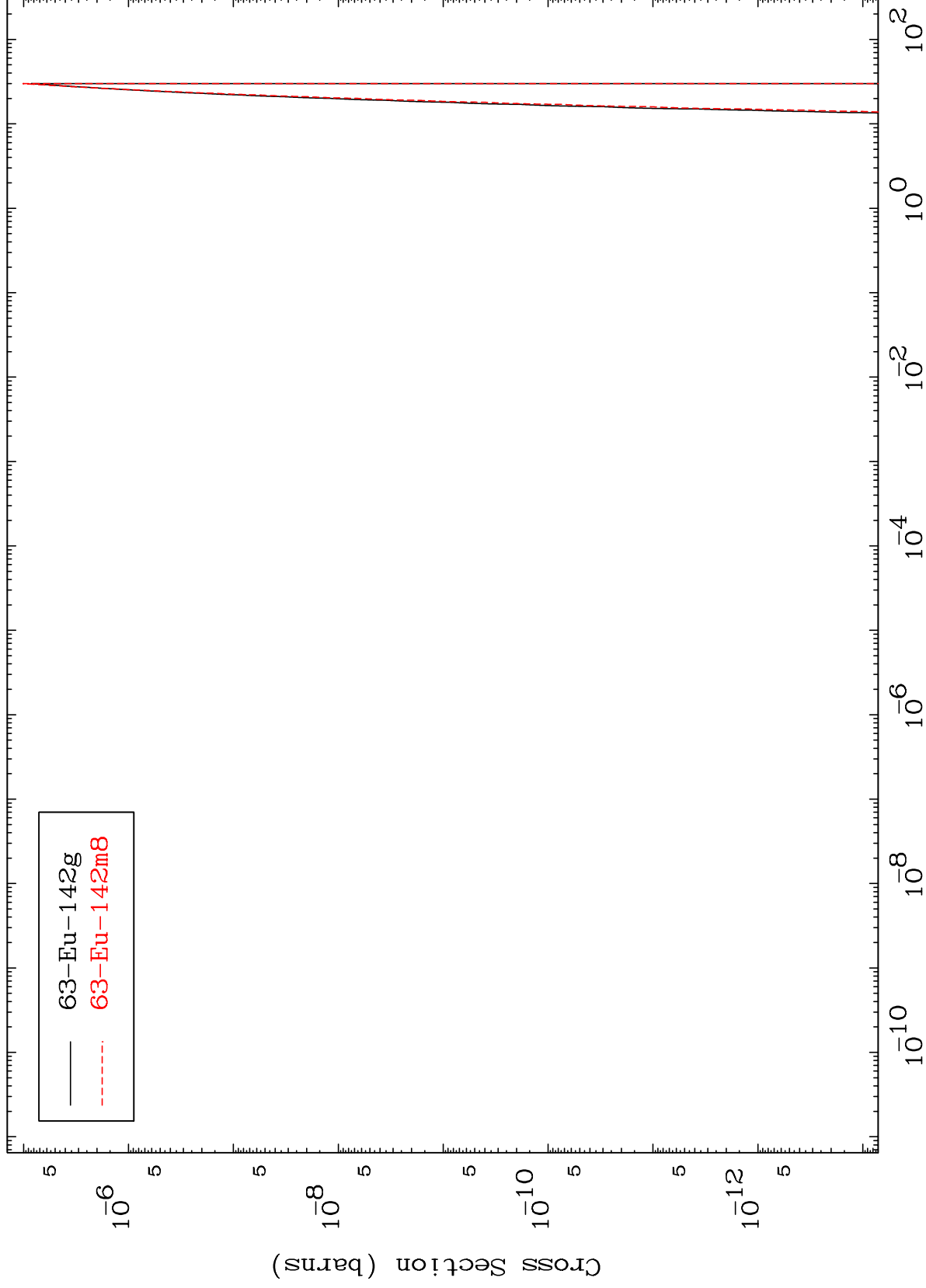


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(n,d) α

66-Dy-147m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

66-Dy-147m