

Program EVALPLOT
(Version 2021-1)

by

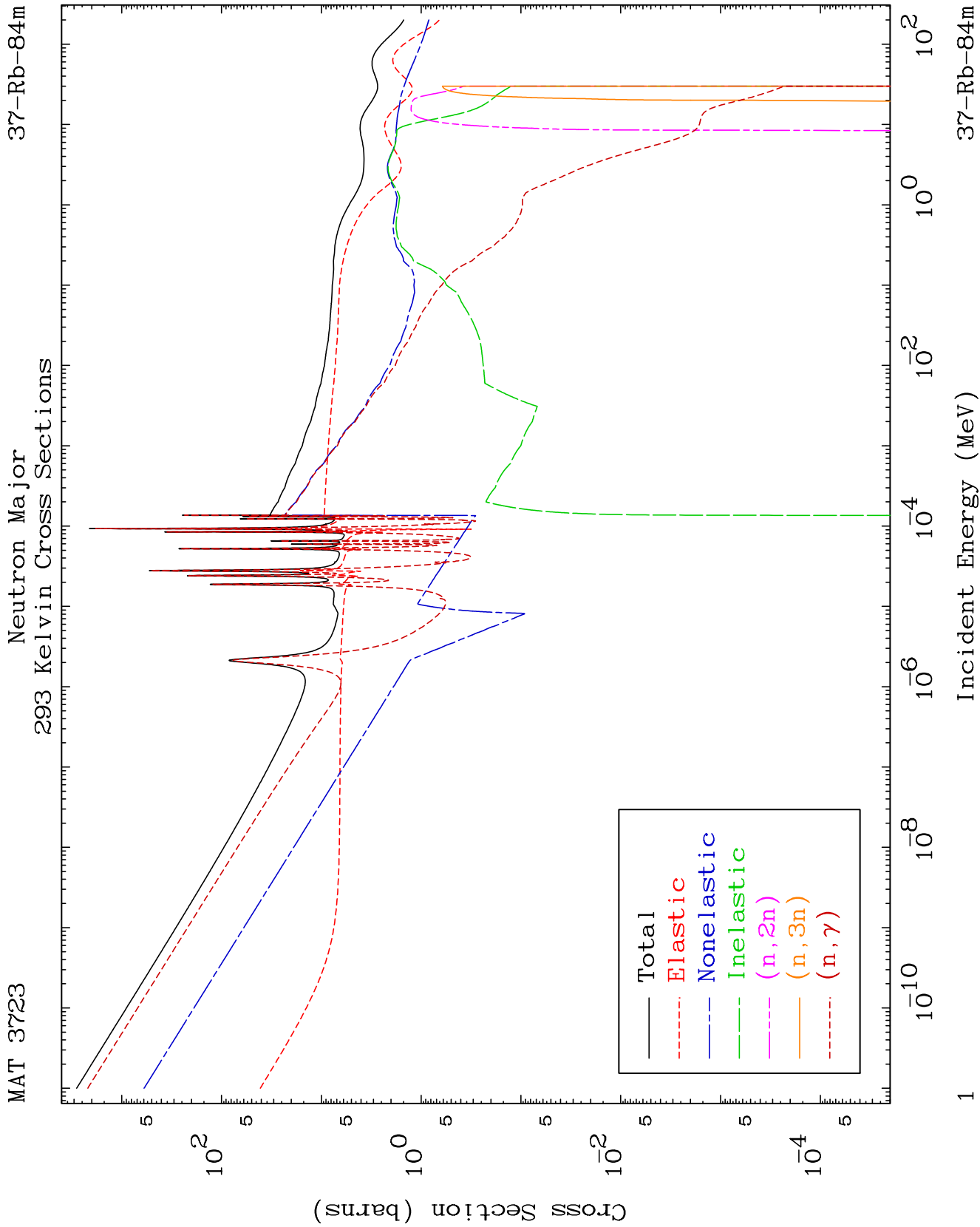
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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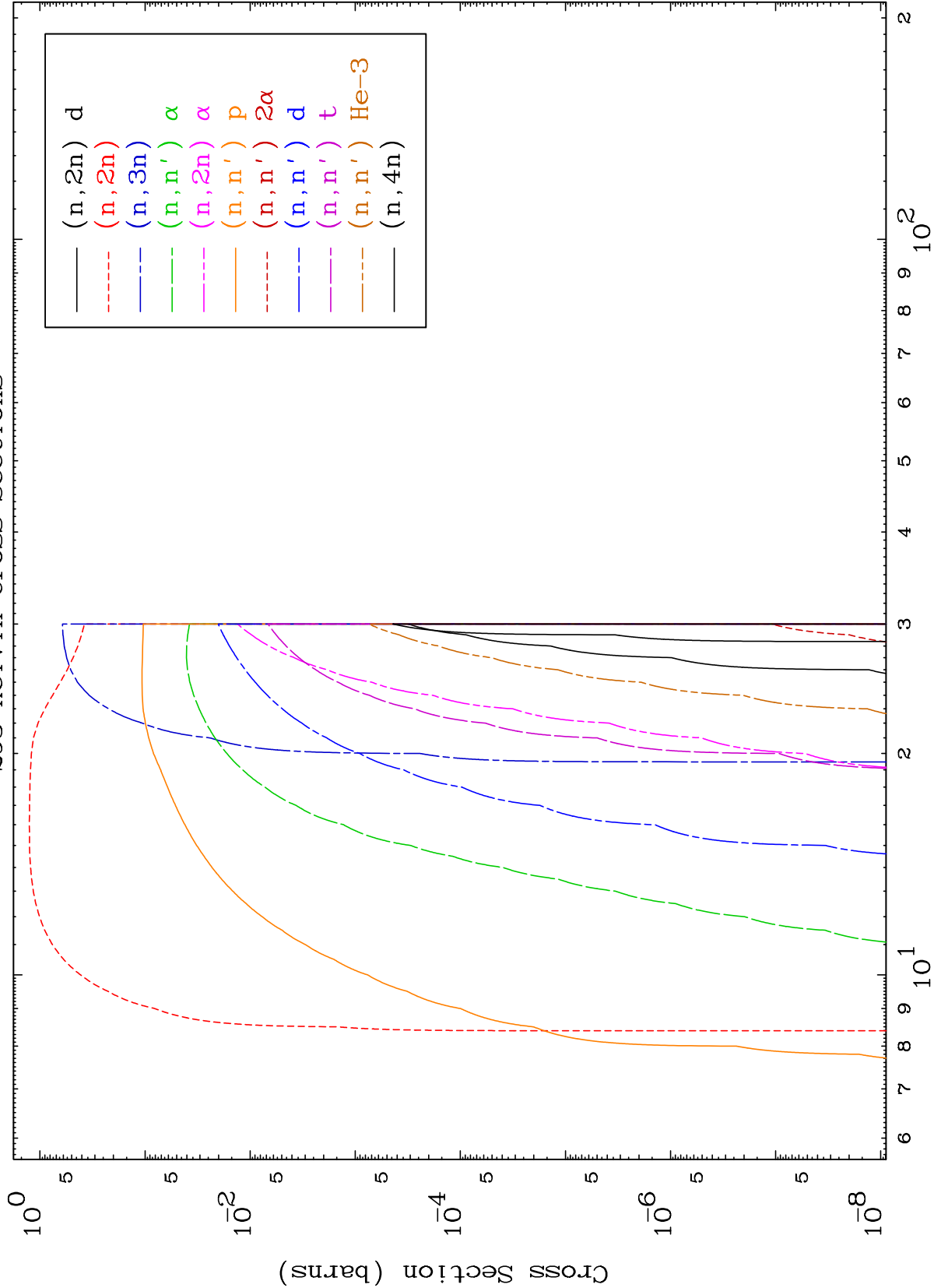
Press Mouse Button to Start



MAT 3723

Neutron Absorption
293 Kelvin Cross Sections

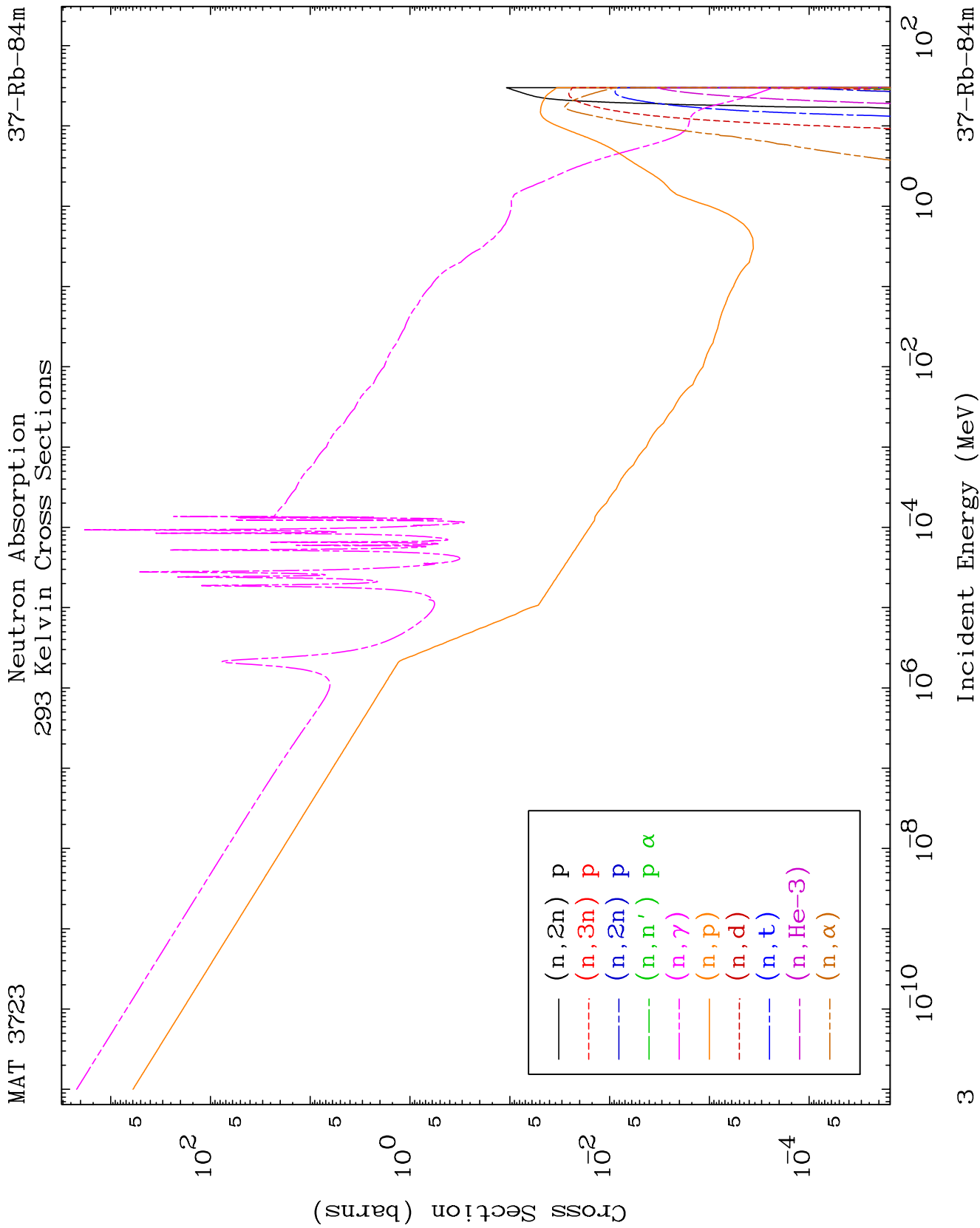
37-Rb-84m

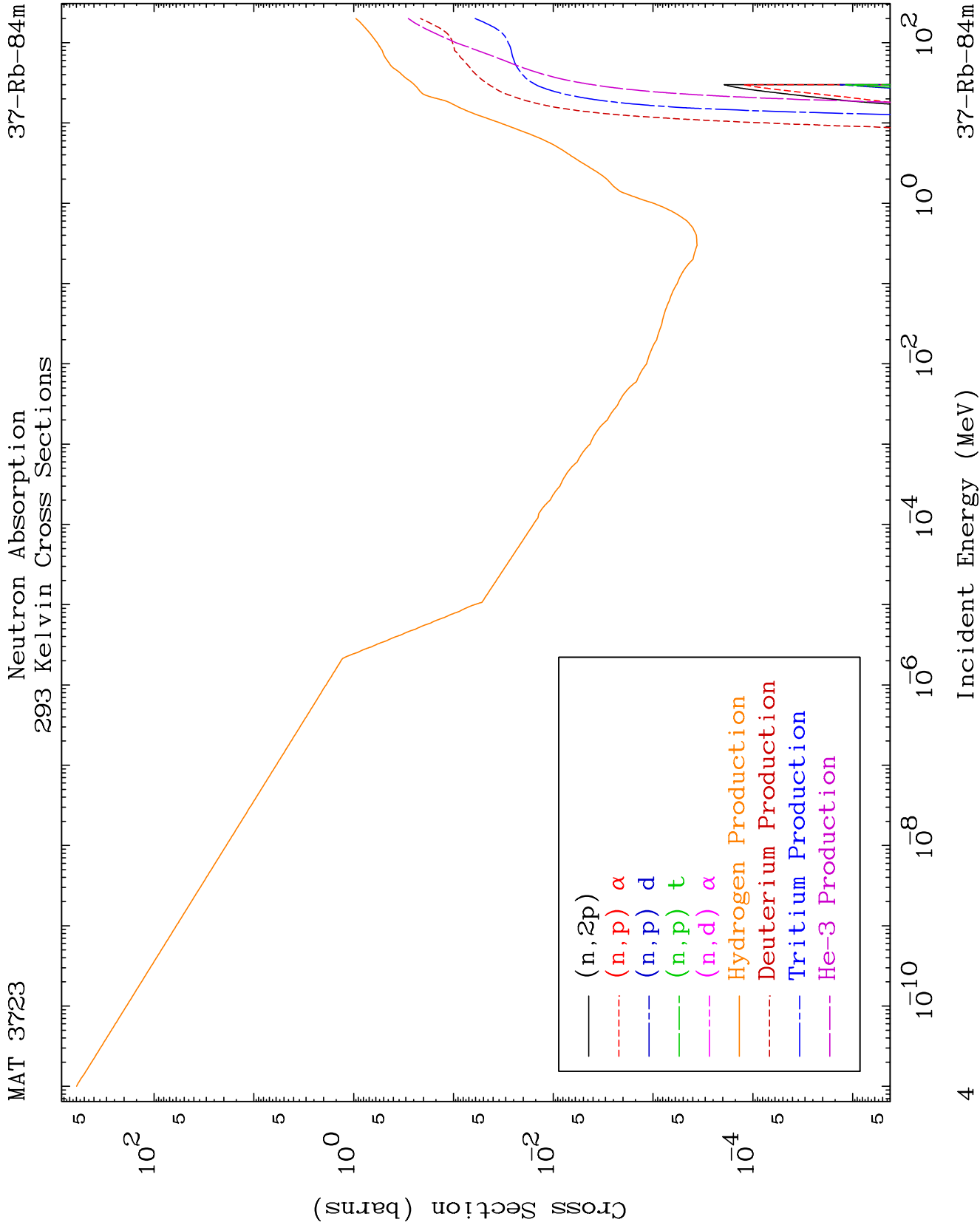


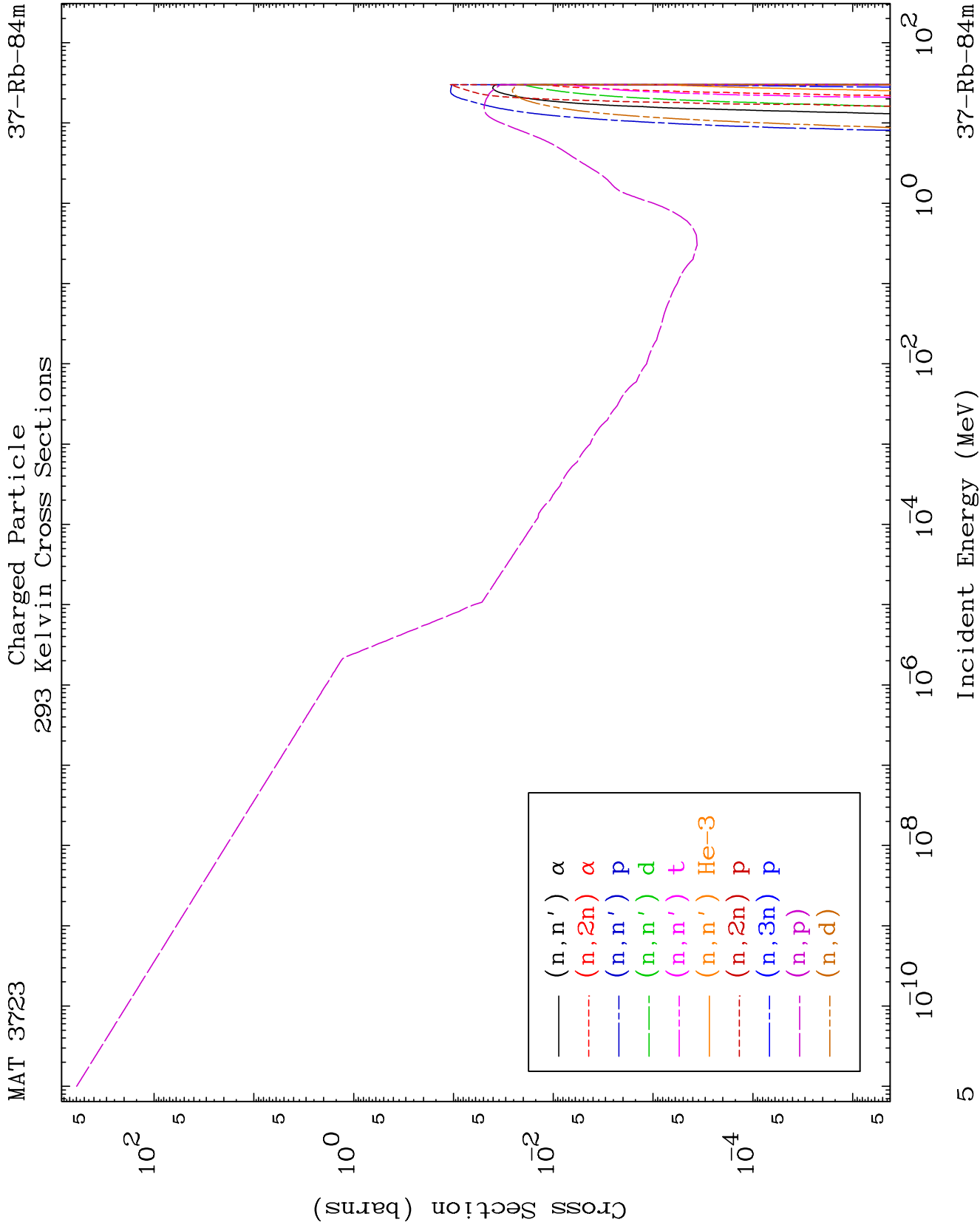
2

Incident Energy (MeV)

37-Rb-84m



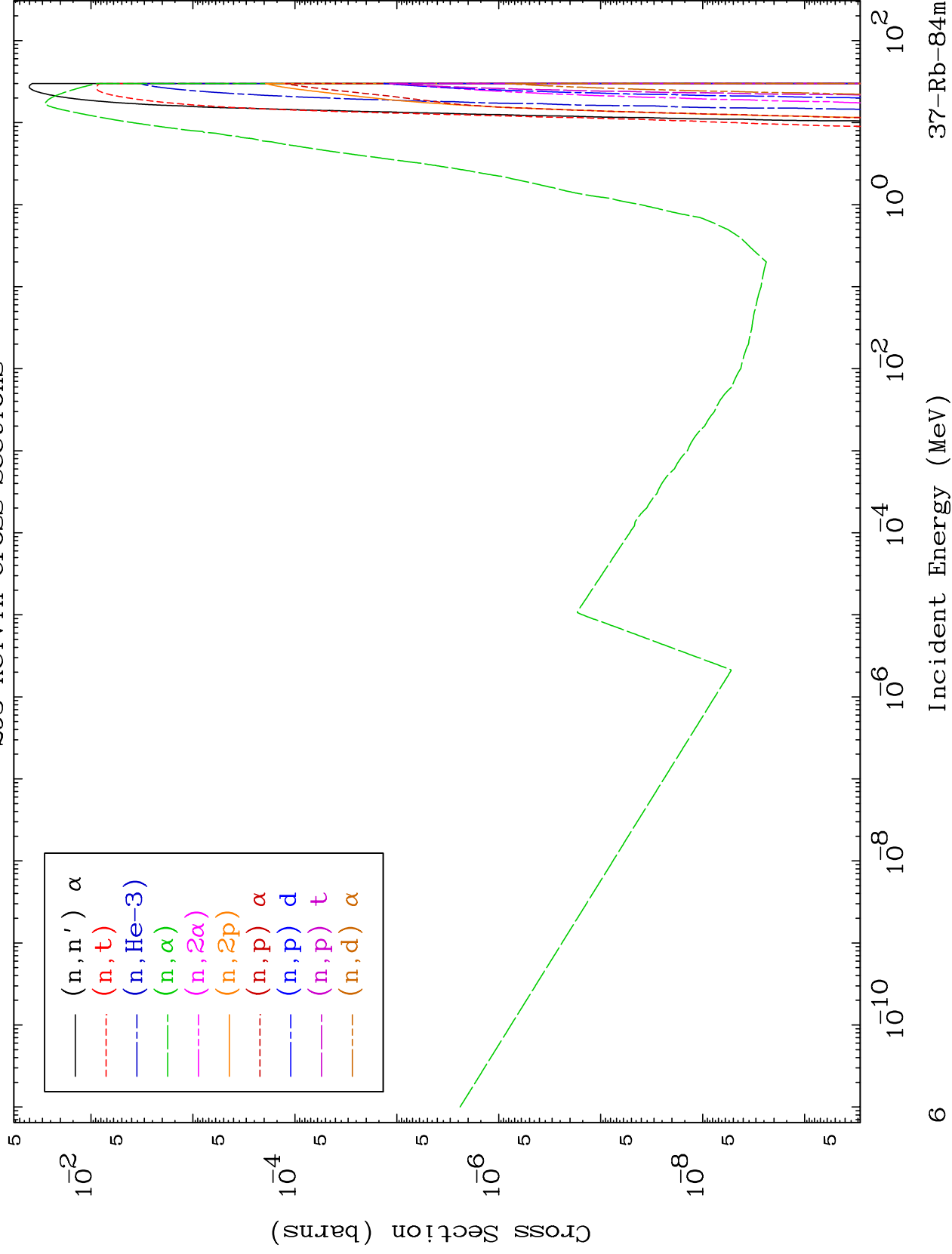




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Charged Particle
293 Kelvin Cross Sections

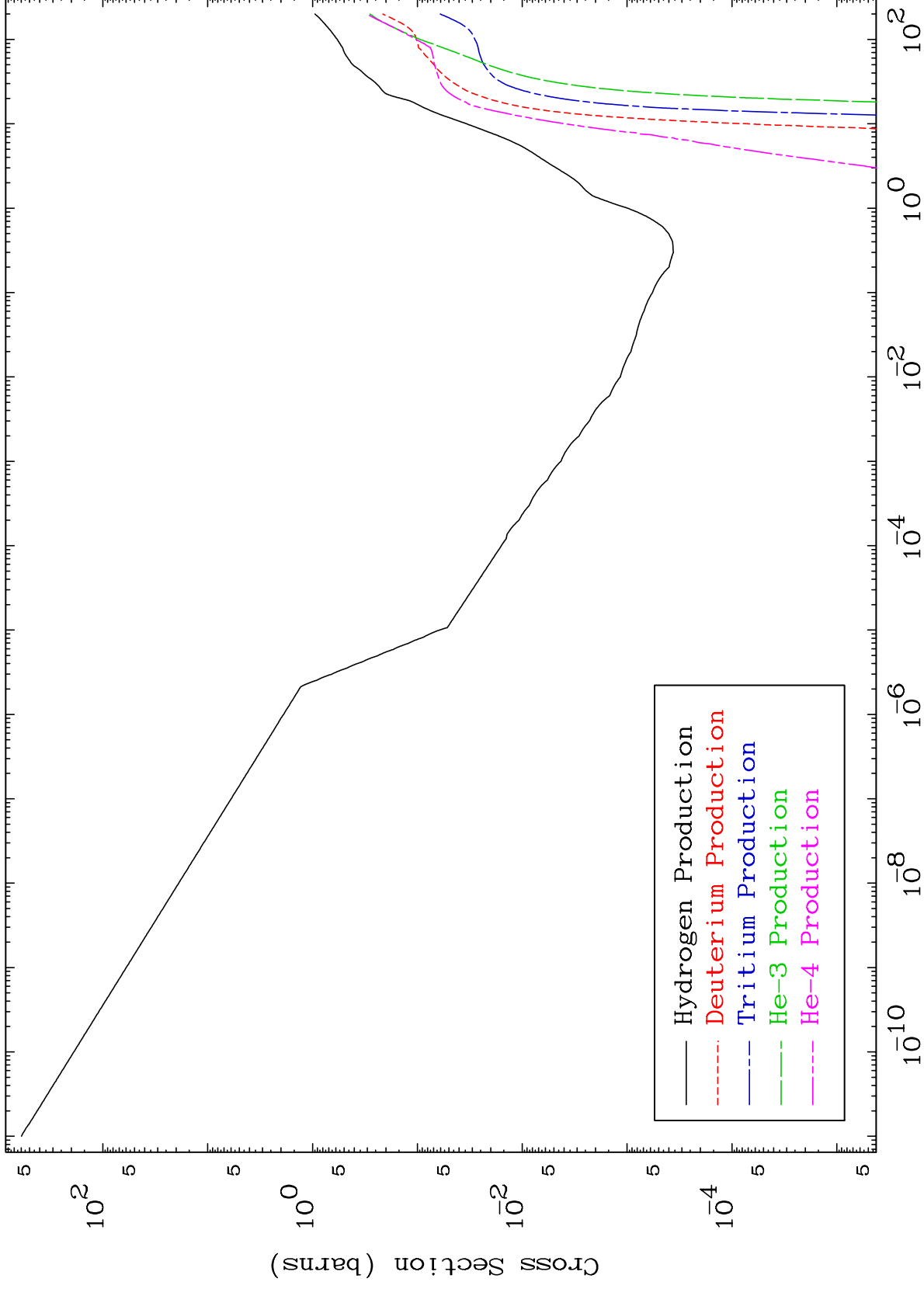
37-Rb-84m



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Particle Production
293 Kelvin Cross Sections

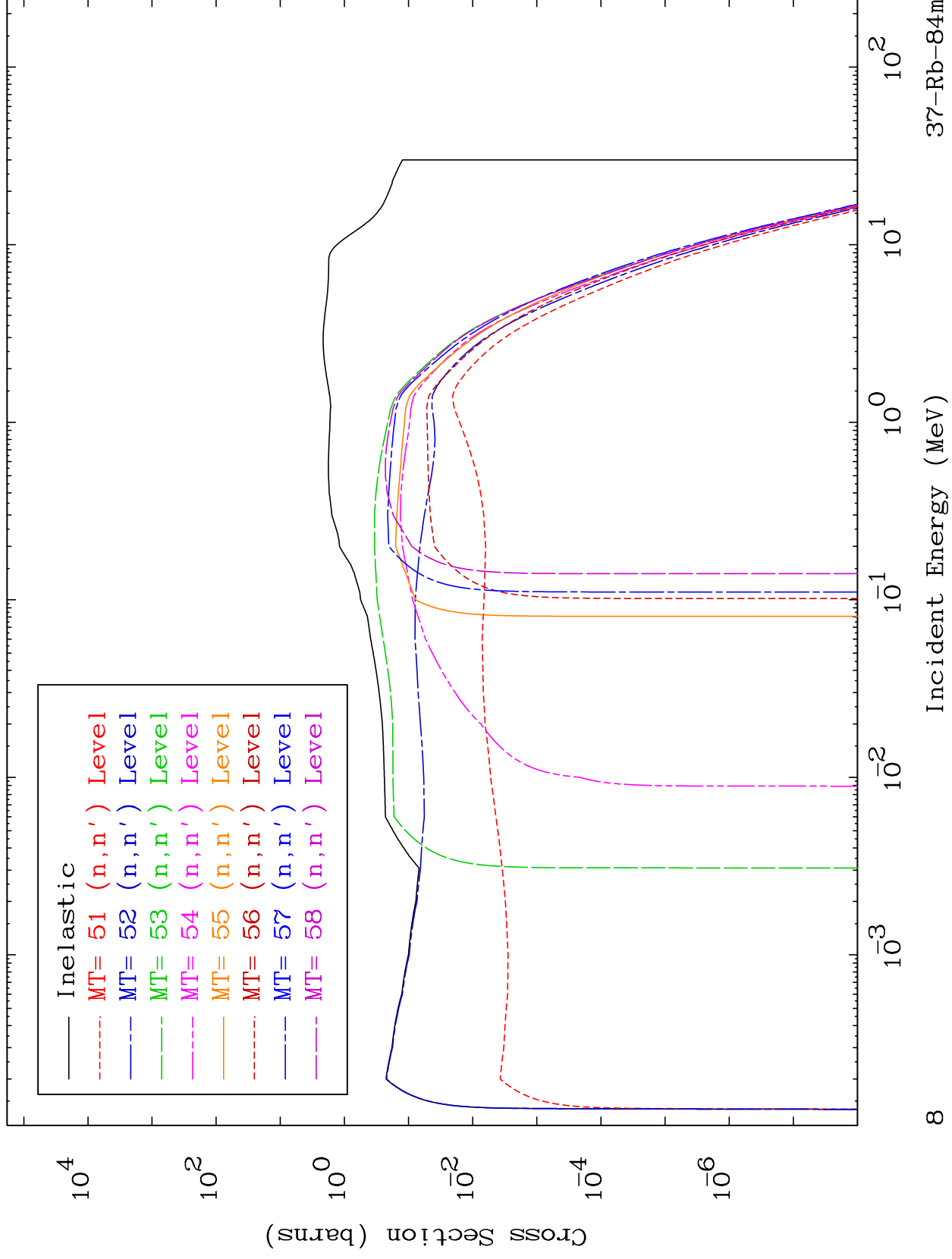
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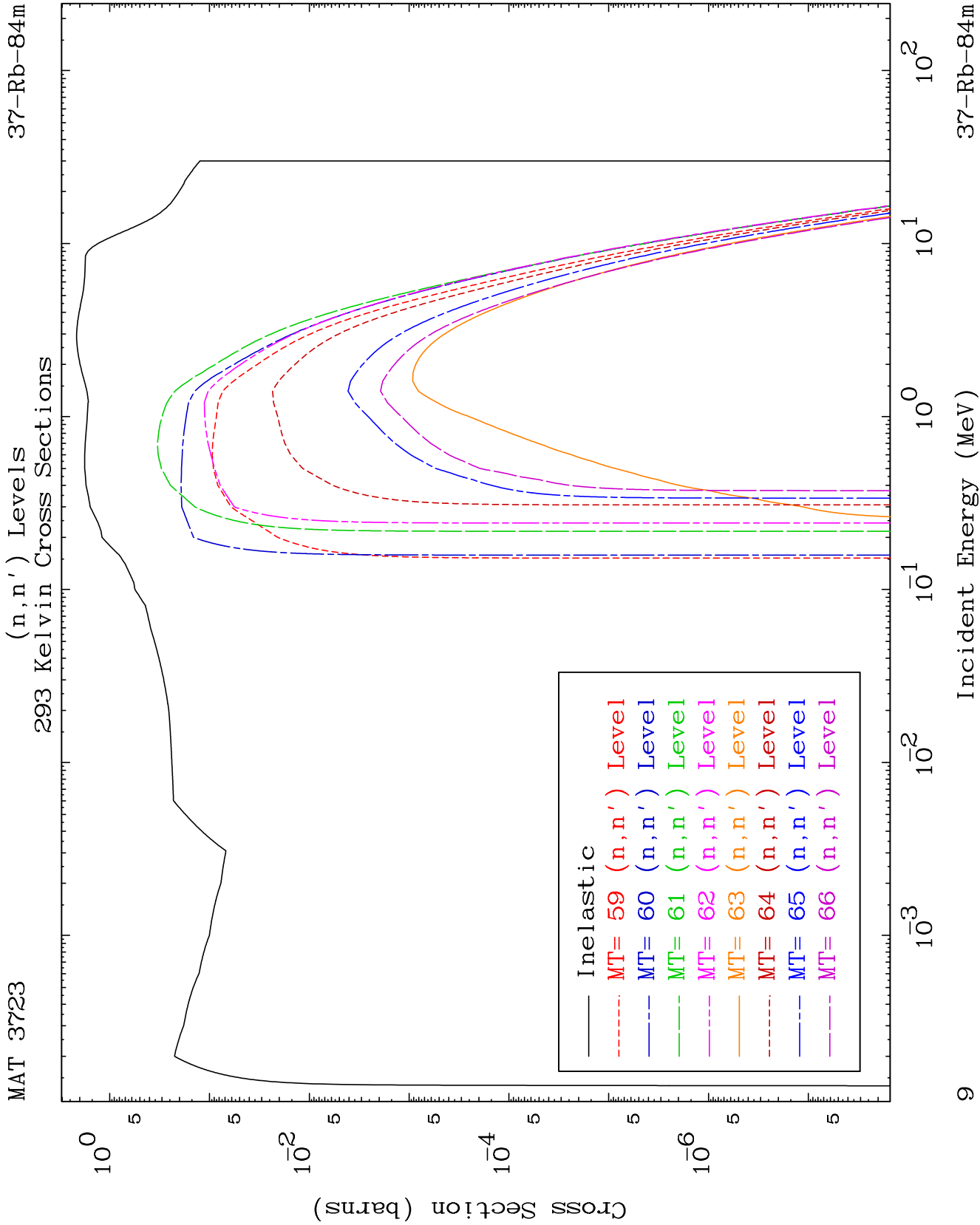


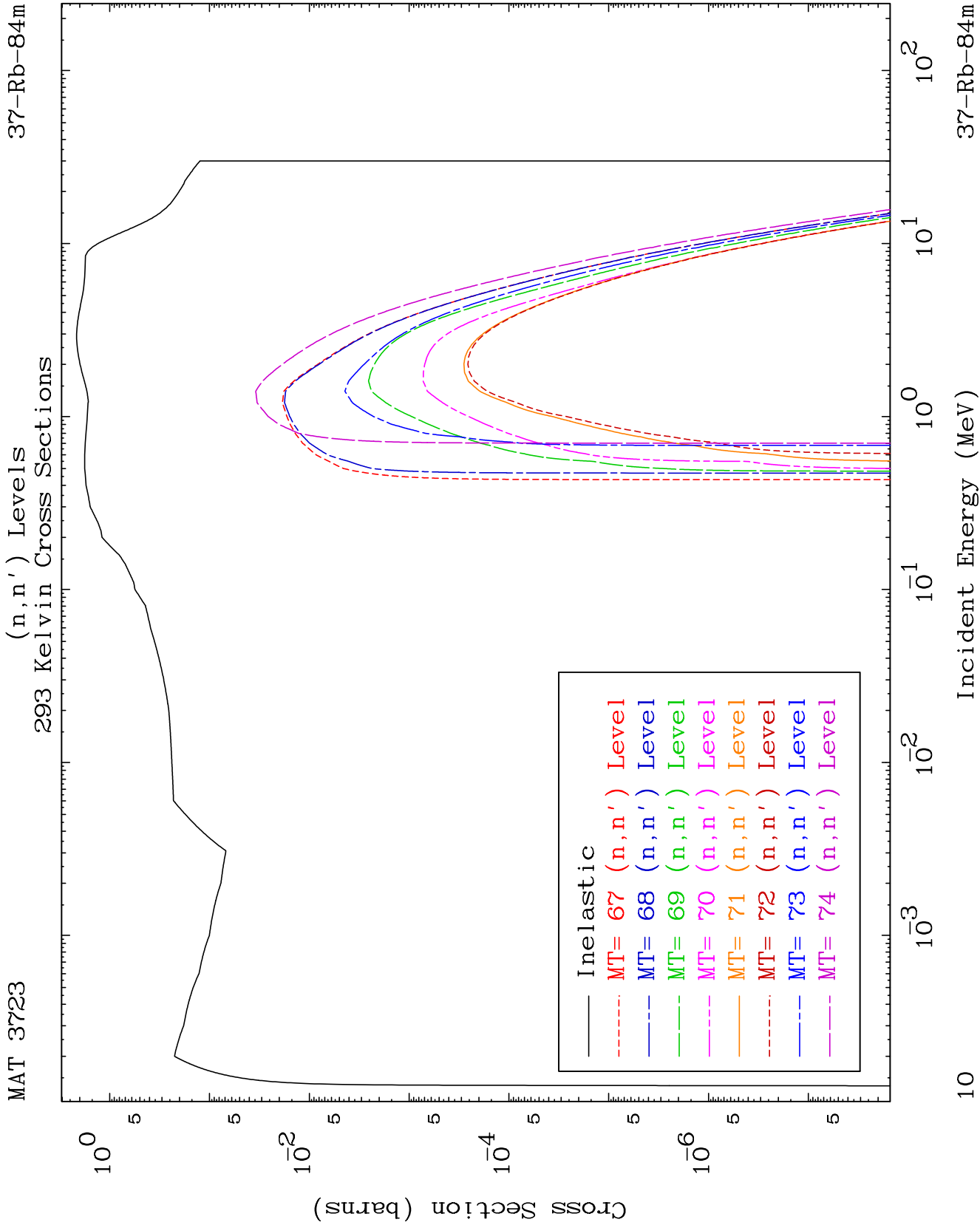
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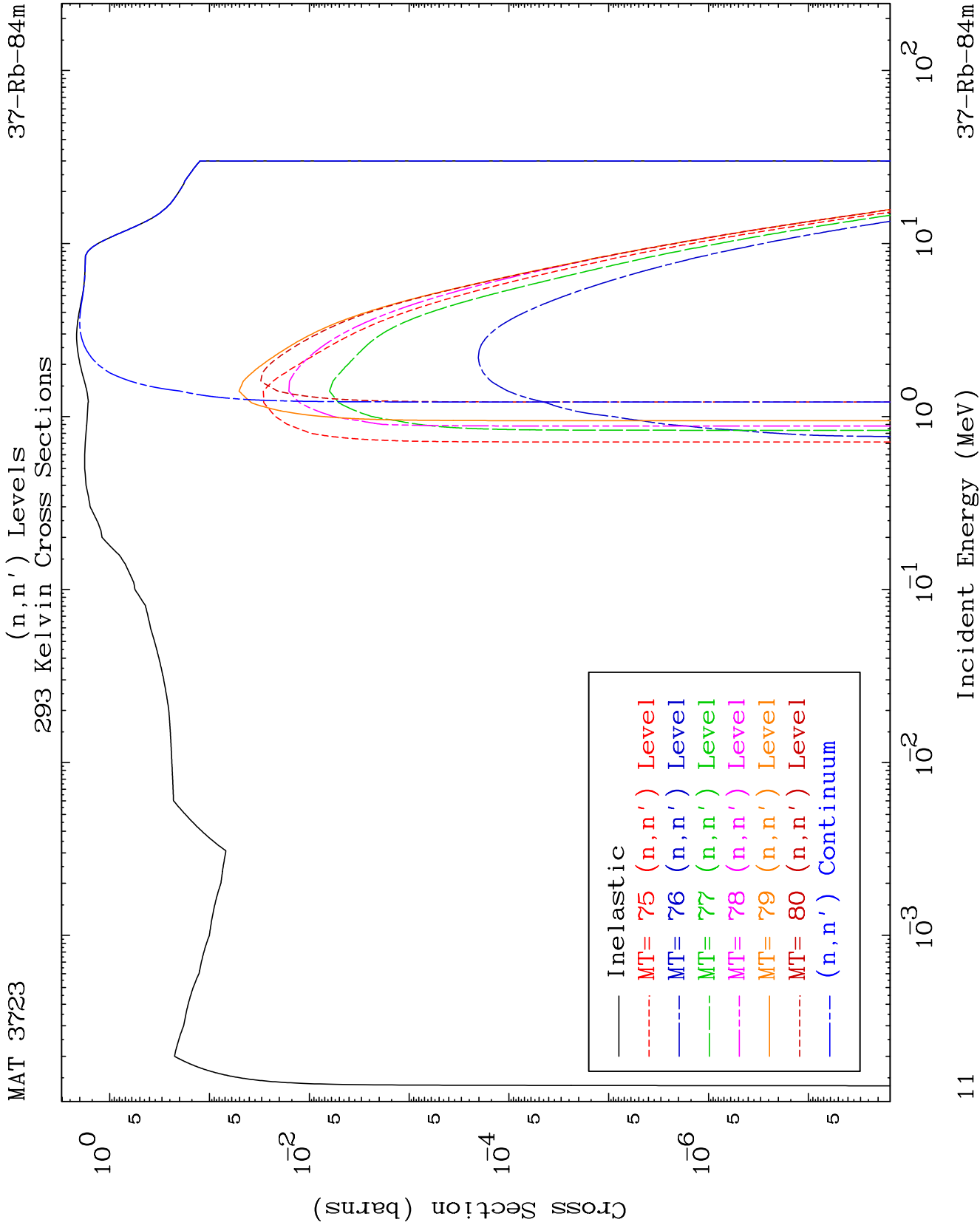
37-Rb-84m

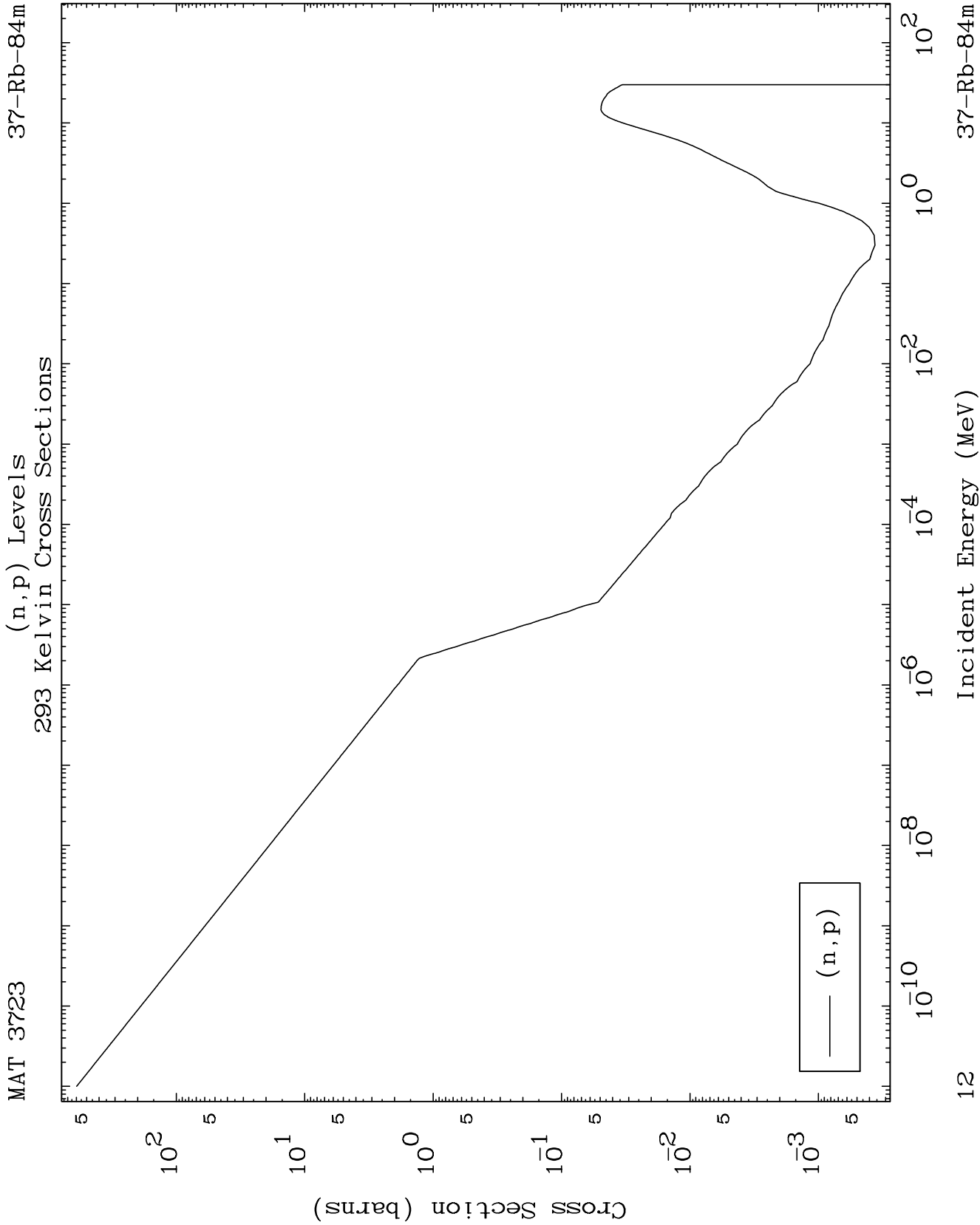
(n,n') Levels
293 Kelvin Cross Sections







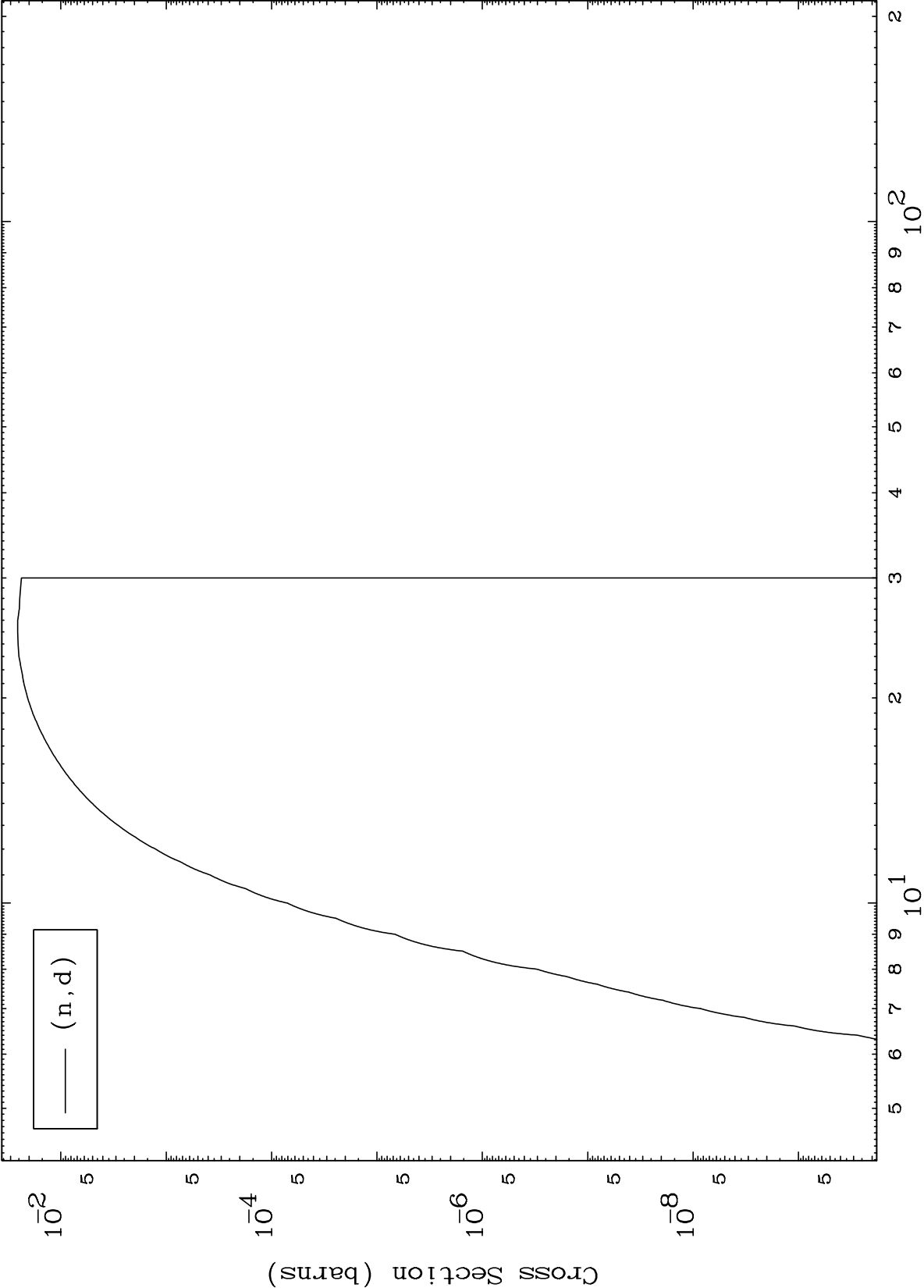




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(n,d) Levels
293 Kelvin Cross Sections

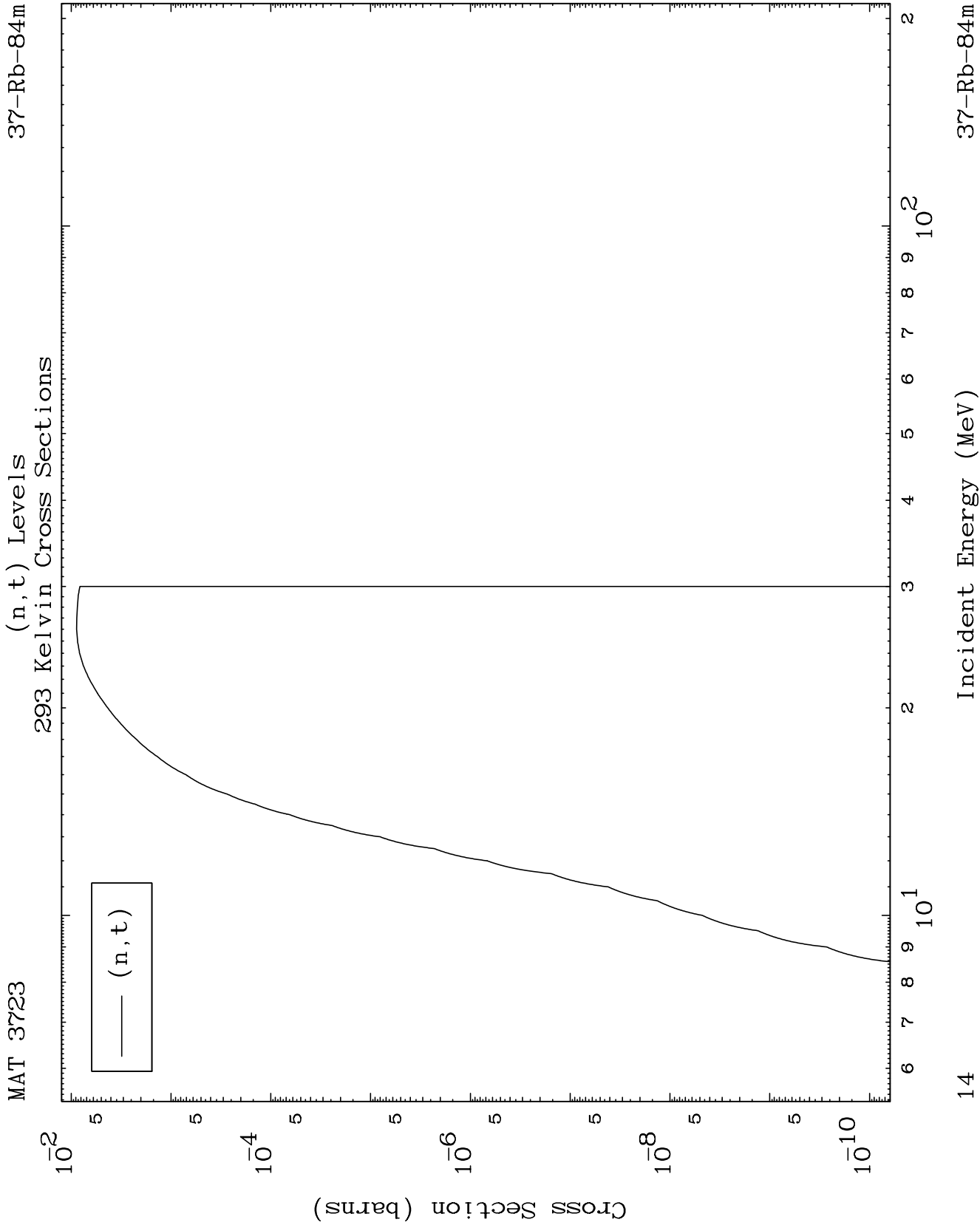
37-Rb-84m



13

Incident Energy (MeV)

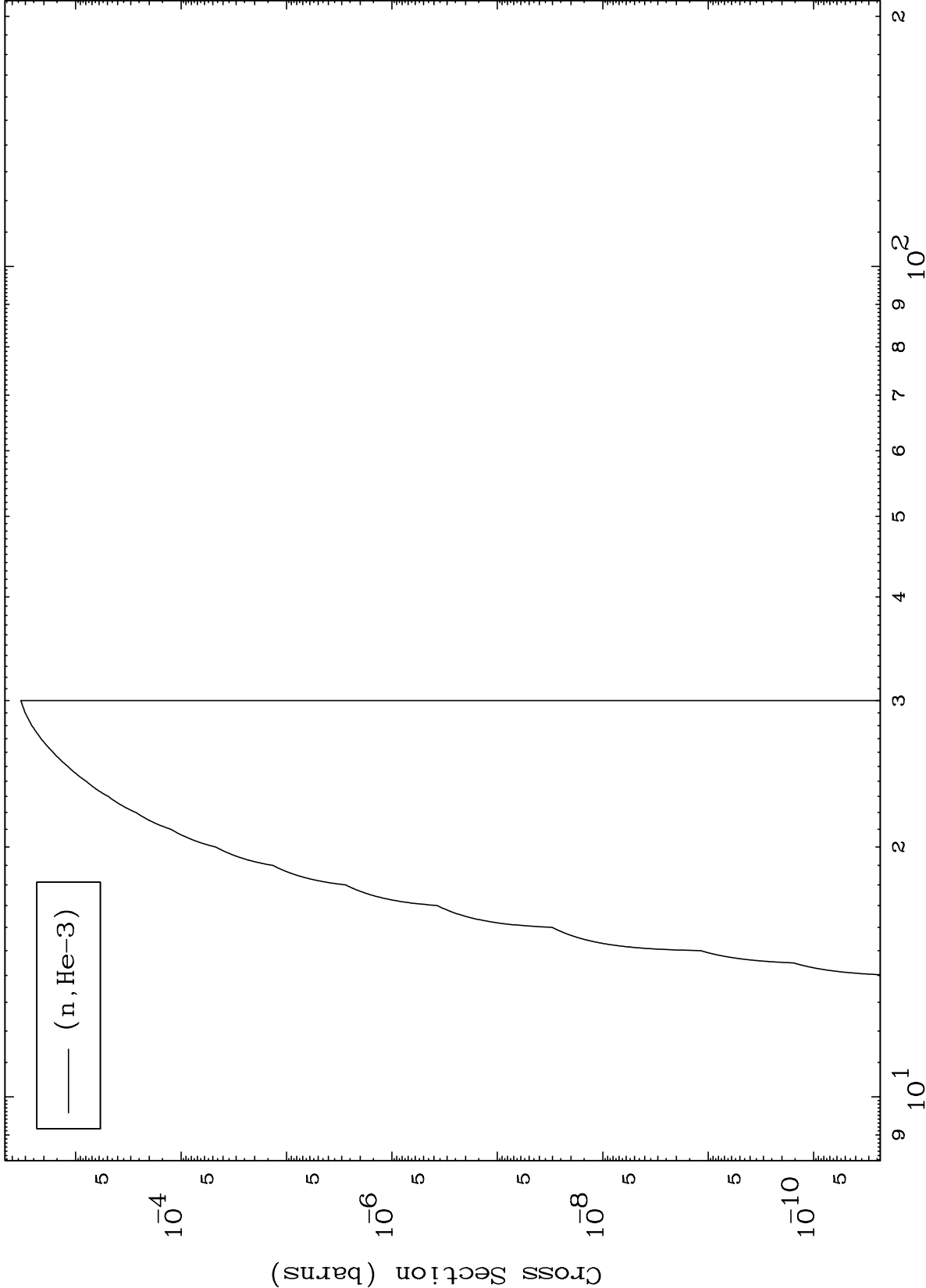
37-Rb-84m



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(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-84m



15

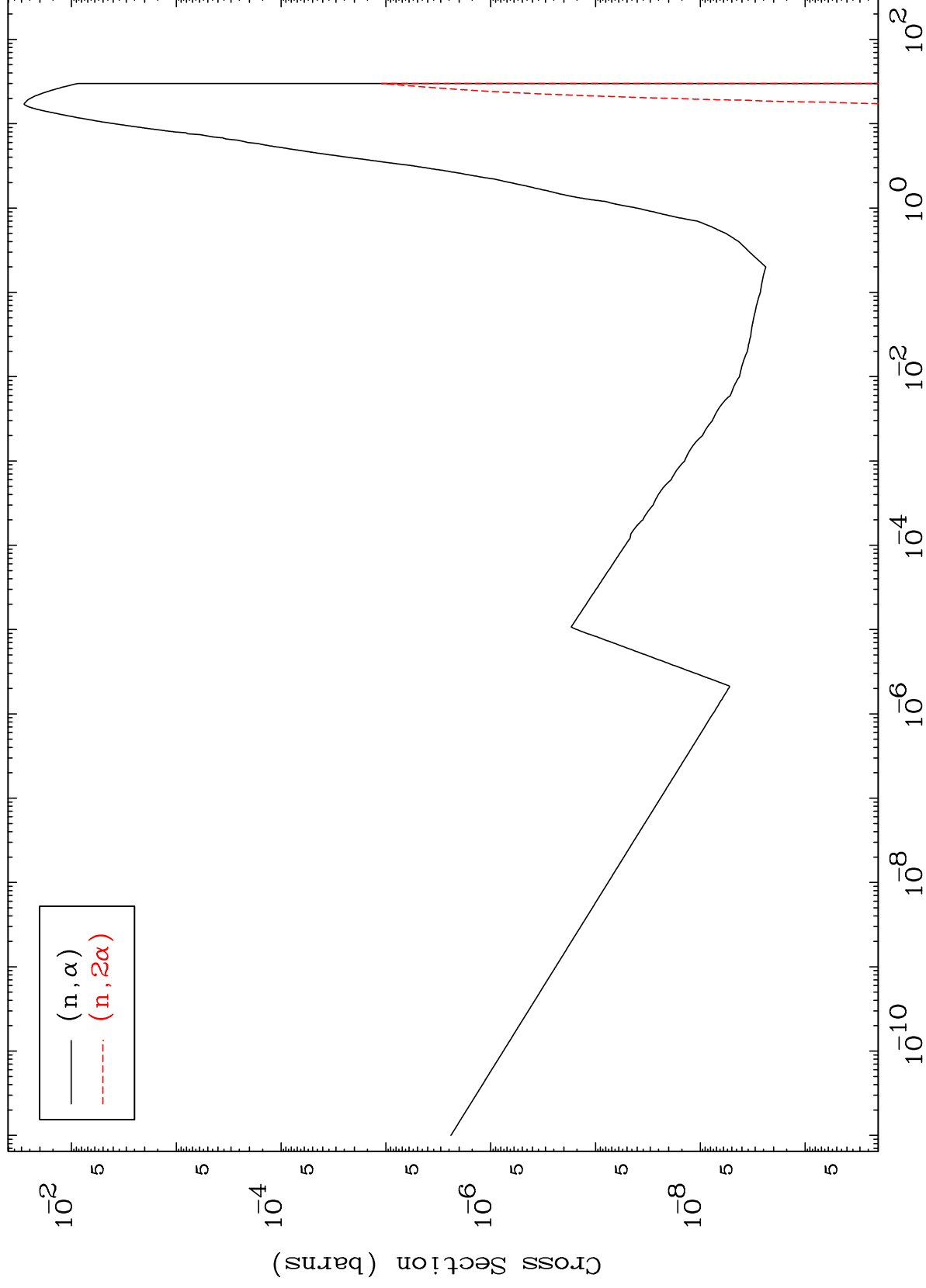
Incident Energy (MeV)

37-Rb-84m

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(n,α) Levels
293 Kelvin Cross Sections

37-Rb-84m



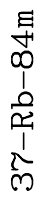
16

Incident Energy (MeV)

37-Rb-84m

37-Rb-84m

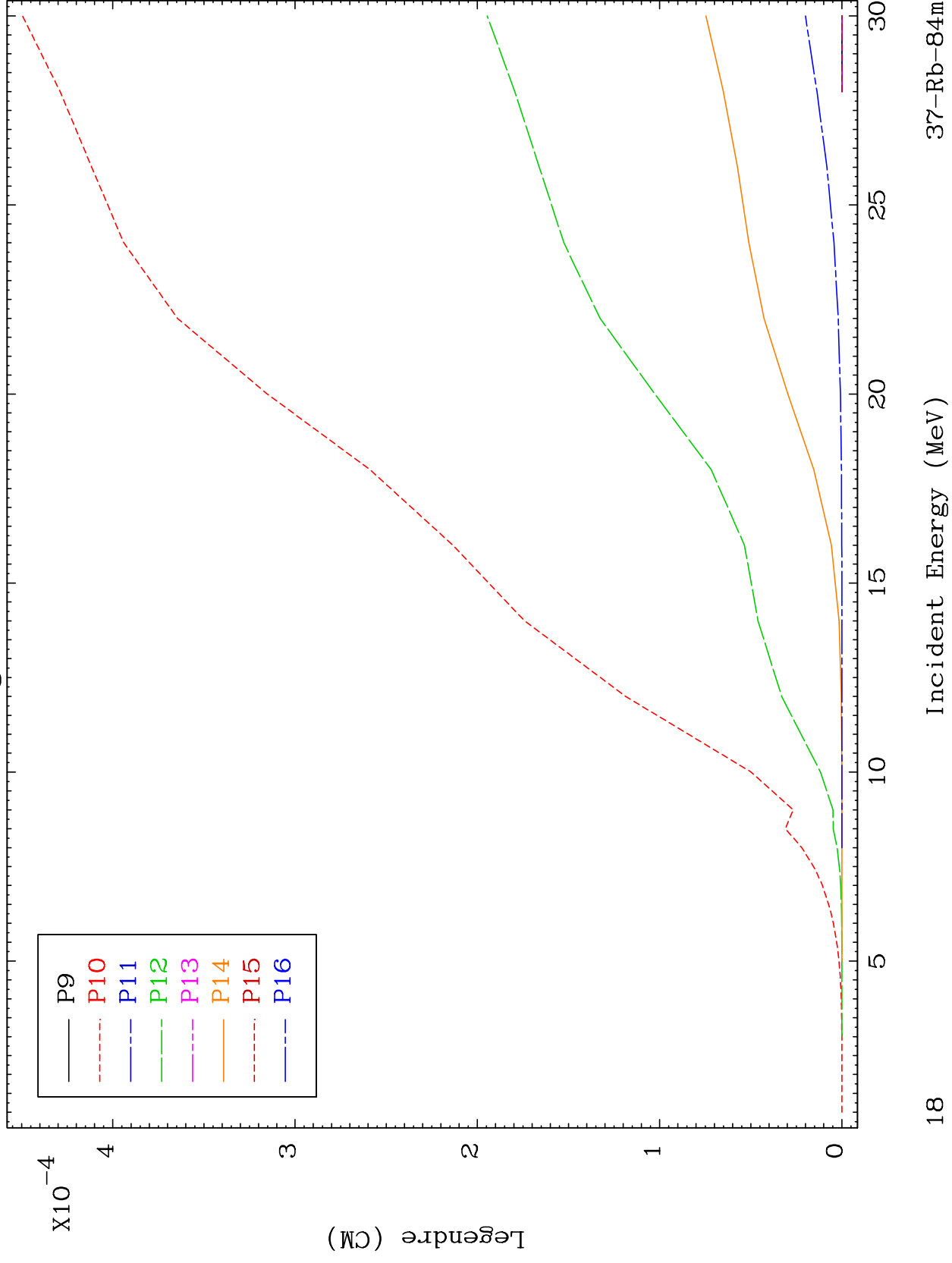
37-Rb-84m

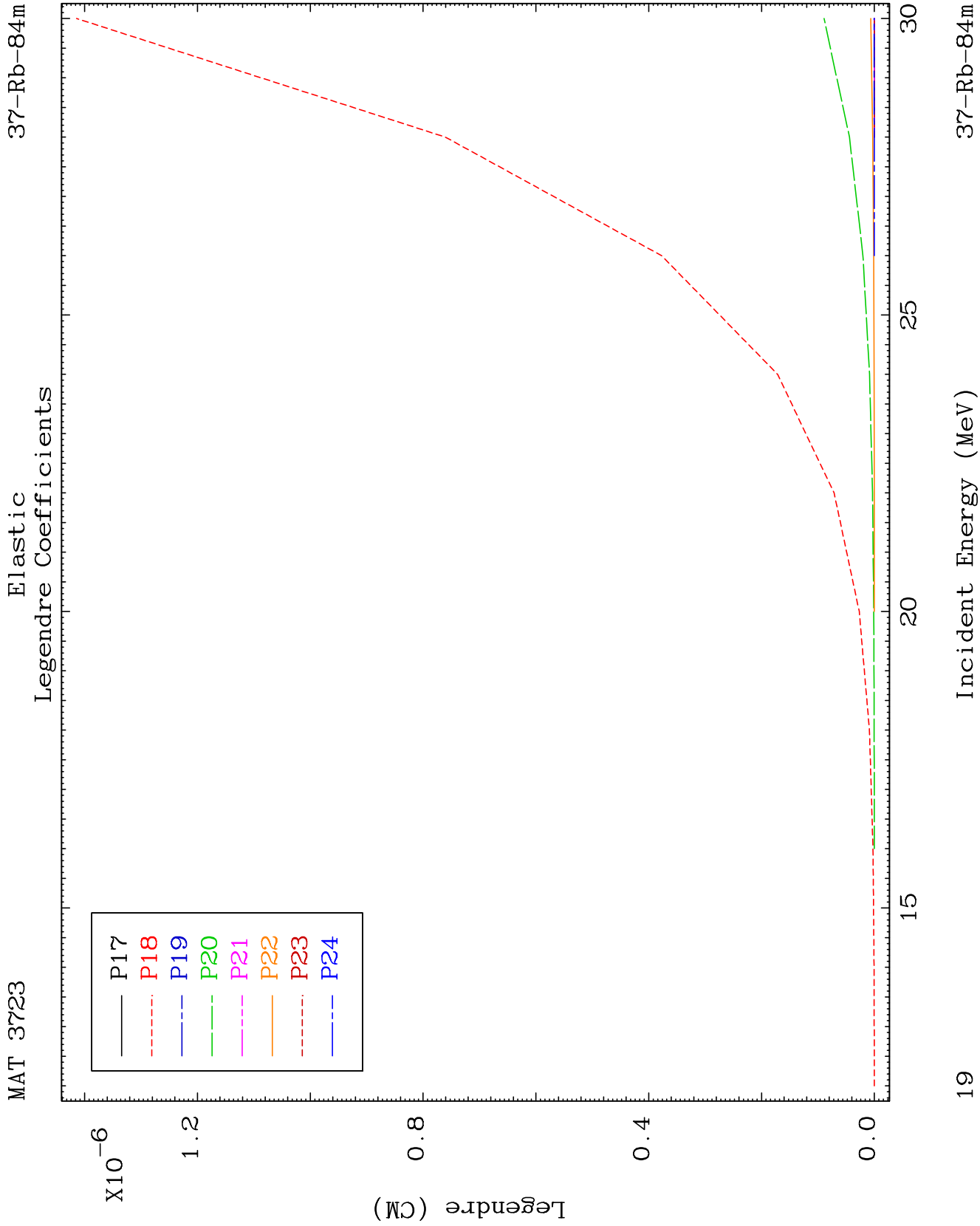


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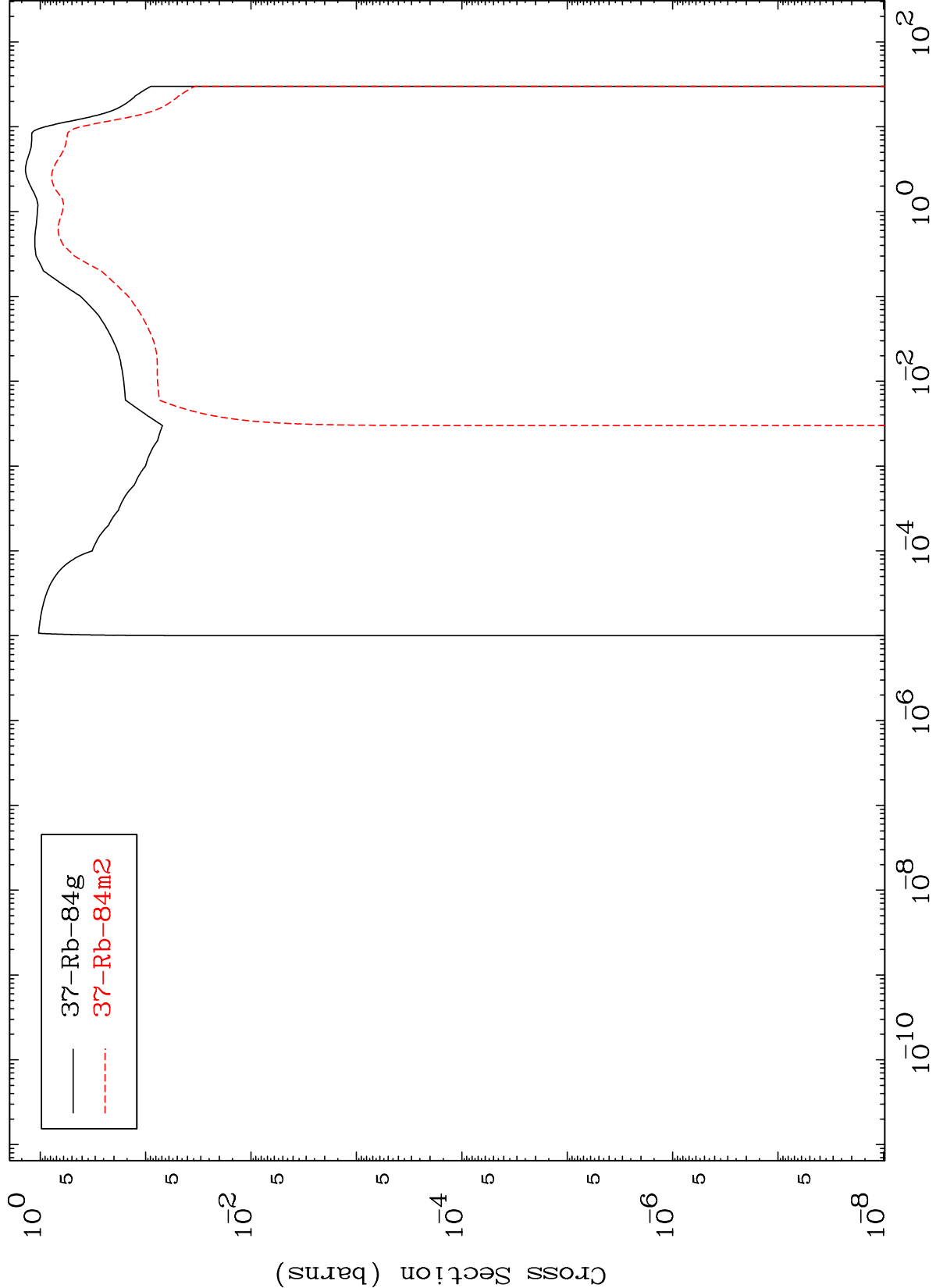
Elastic Legendre Coefficients

37-Rb-84m

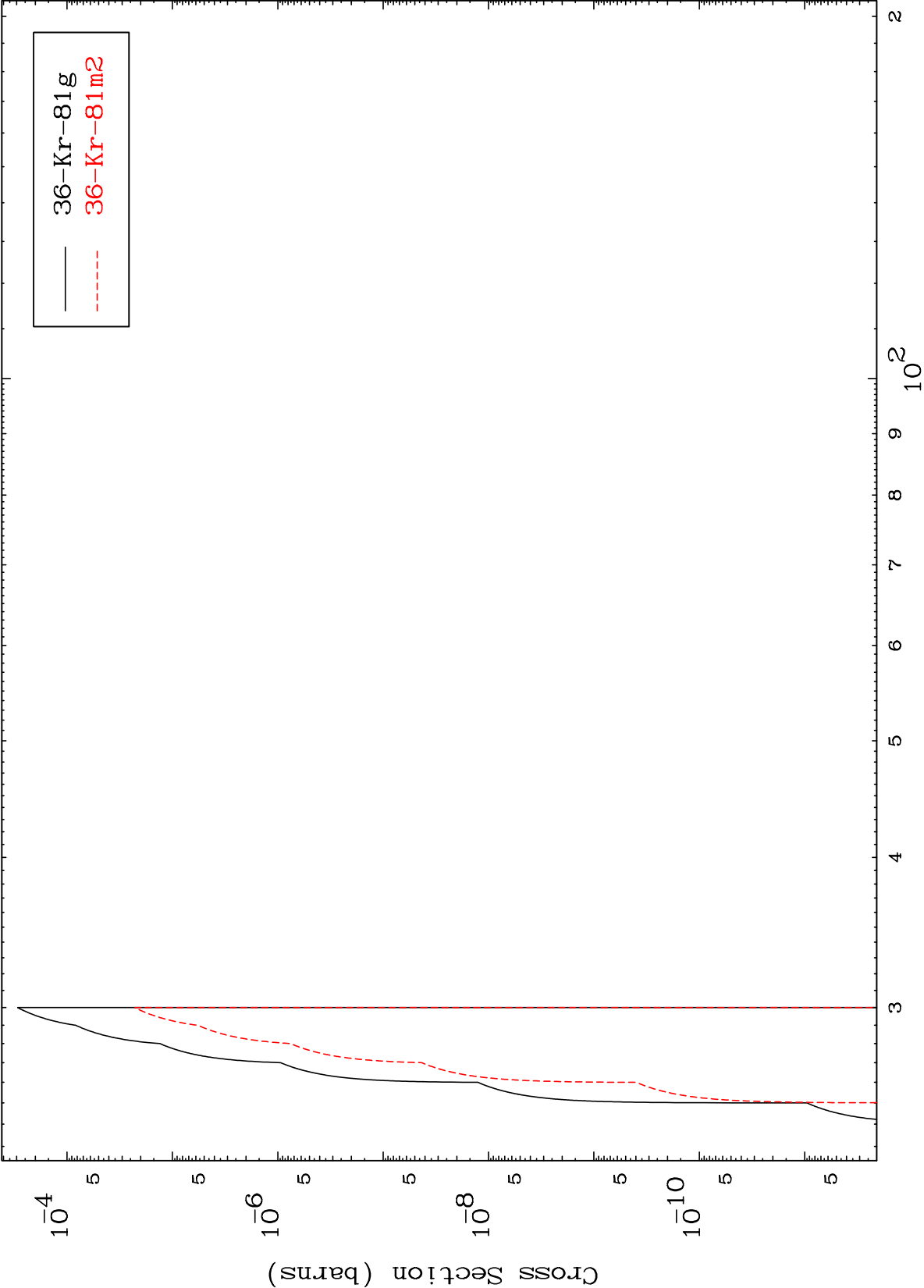




Inelastic
Radionuclide Production Cross Section



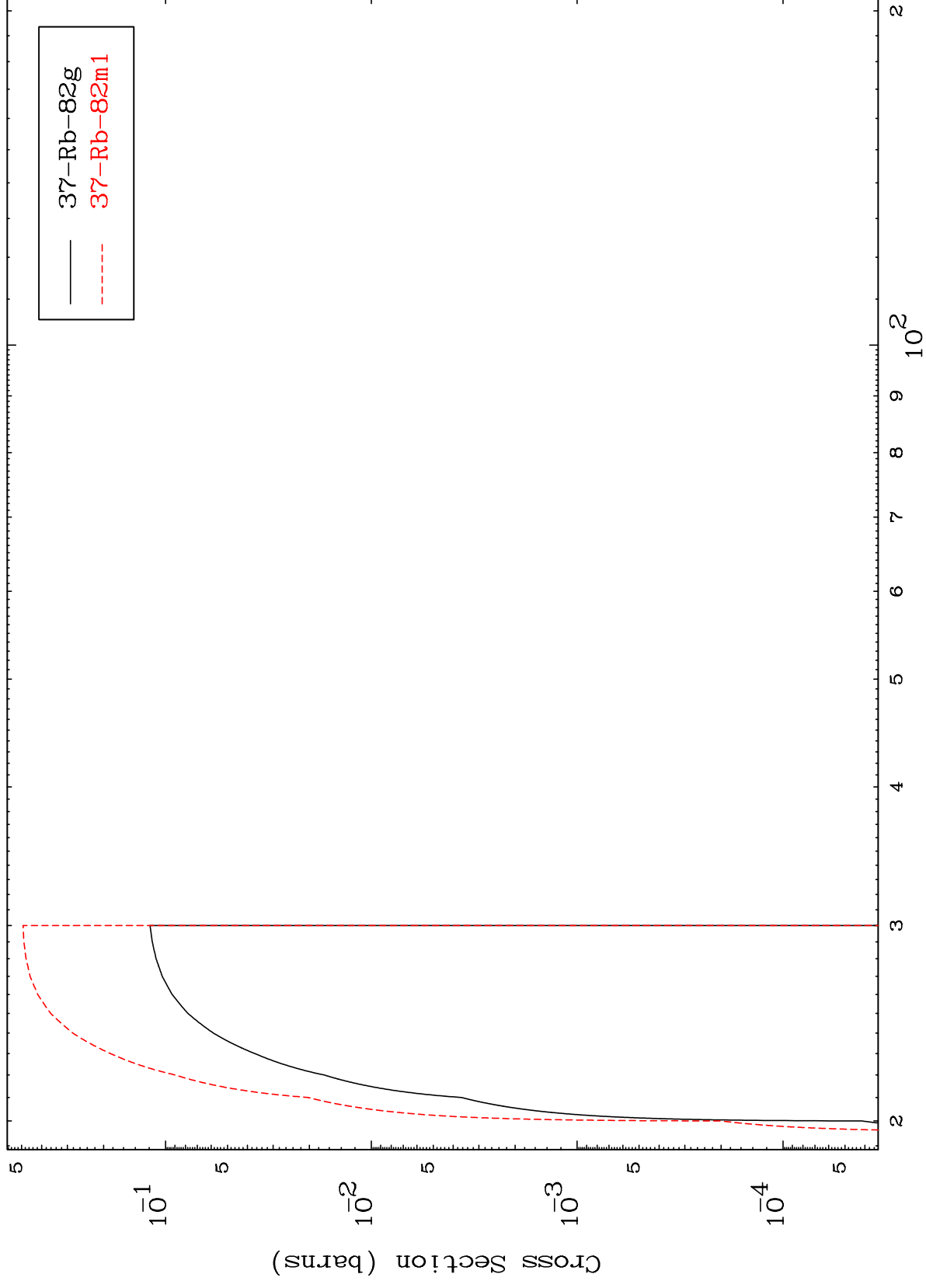
(n,2n) d
Radionuclide Production Cross Section



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37-Rb-84m

(n,3n)
Radionuclide Production Cross Section



37-Rb-84m

Incident Energy (MeV)

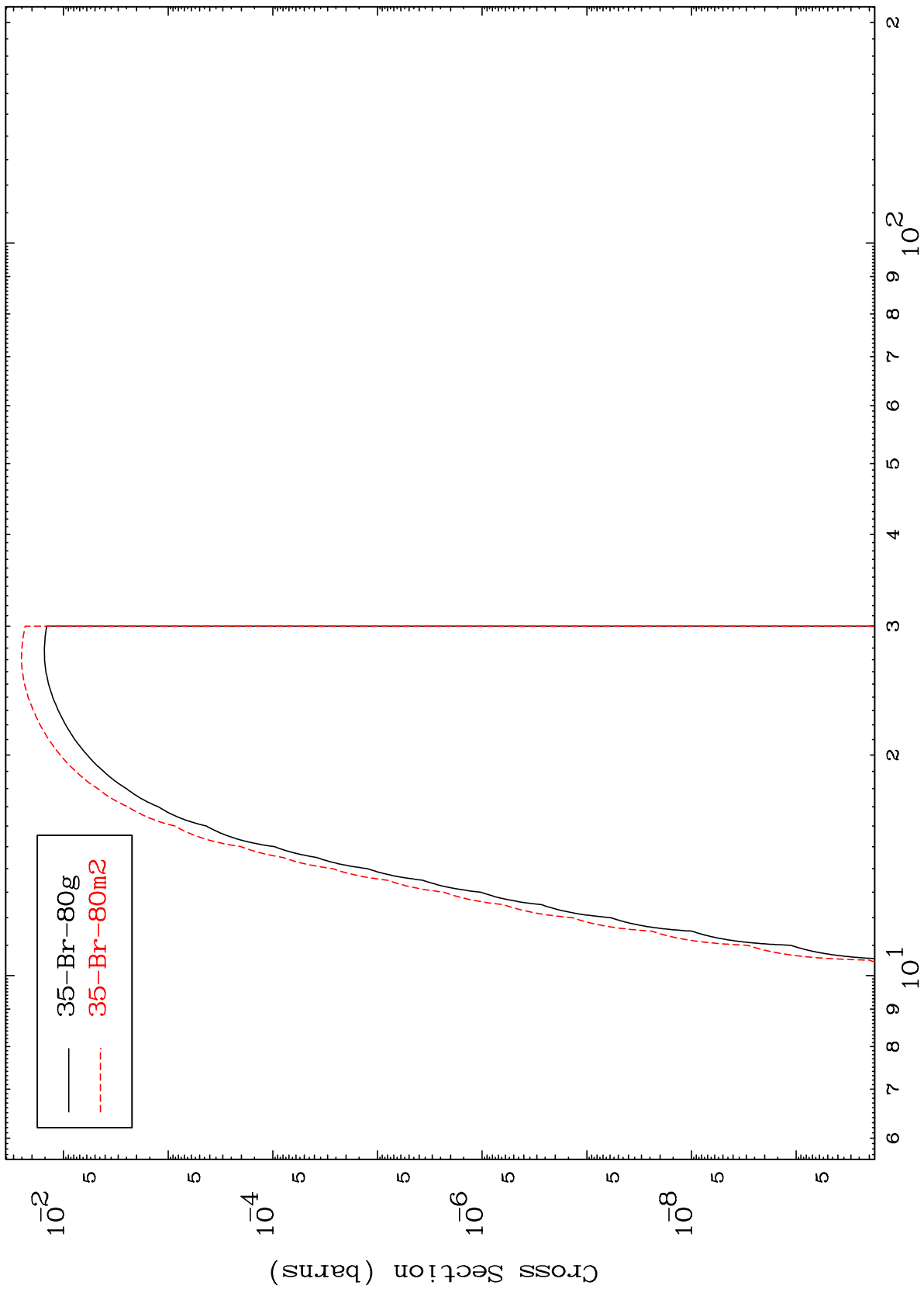
22

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$^{37}\text{Rb-84m}$

Radionuclide Production Cross Section

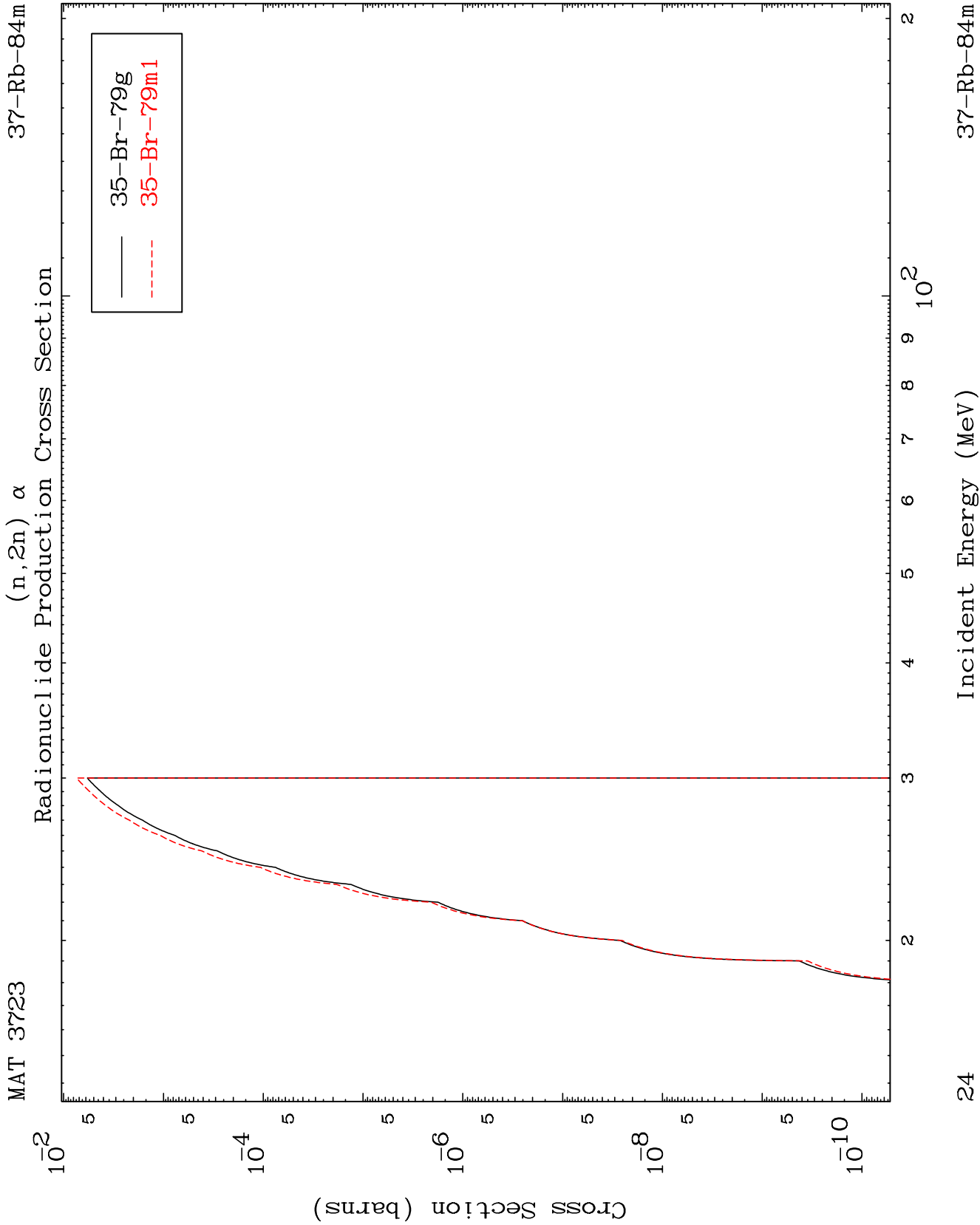
$(n,n') \alpha$



23

Incident Energy (MeV)

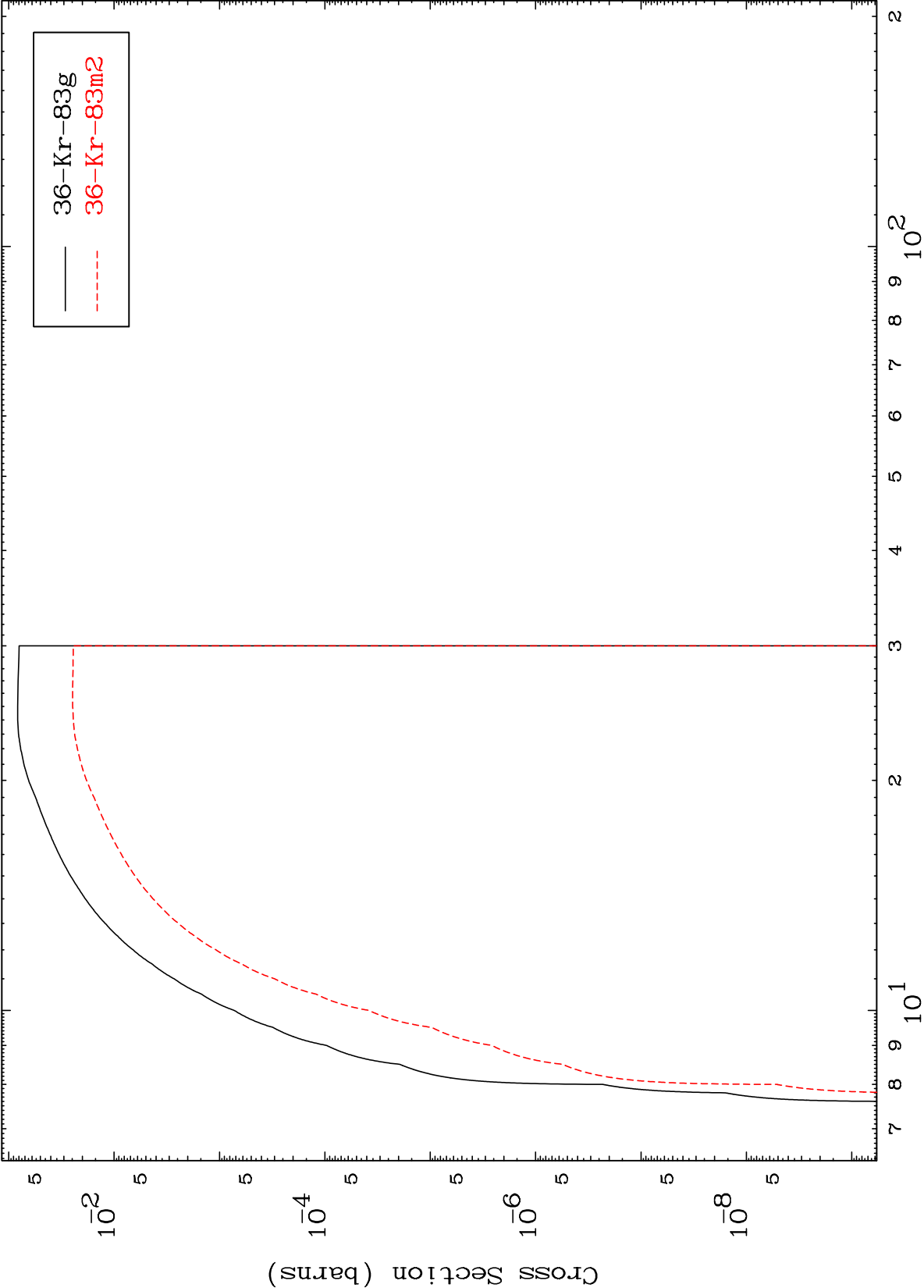
$^{37}\text{Rb-84m}$



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37-Rb-84m

$(n,n')\ p$
Radionuclide Production Cross Section

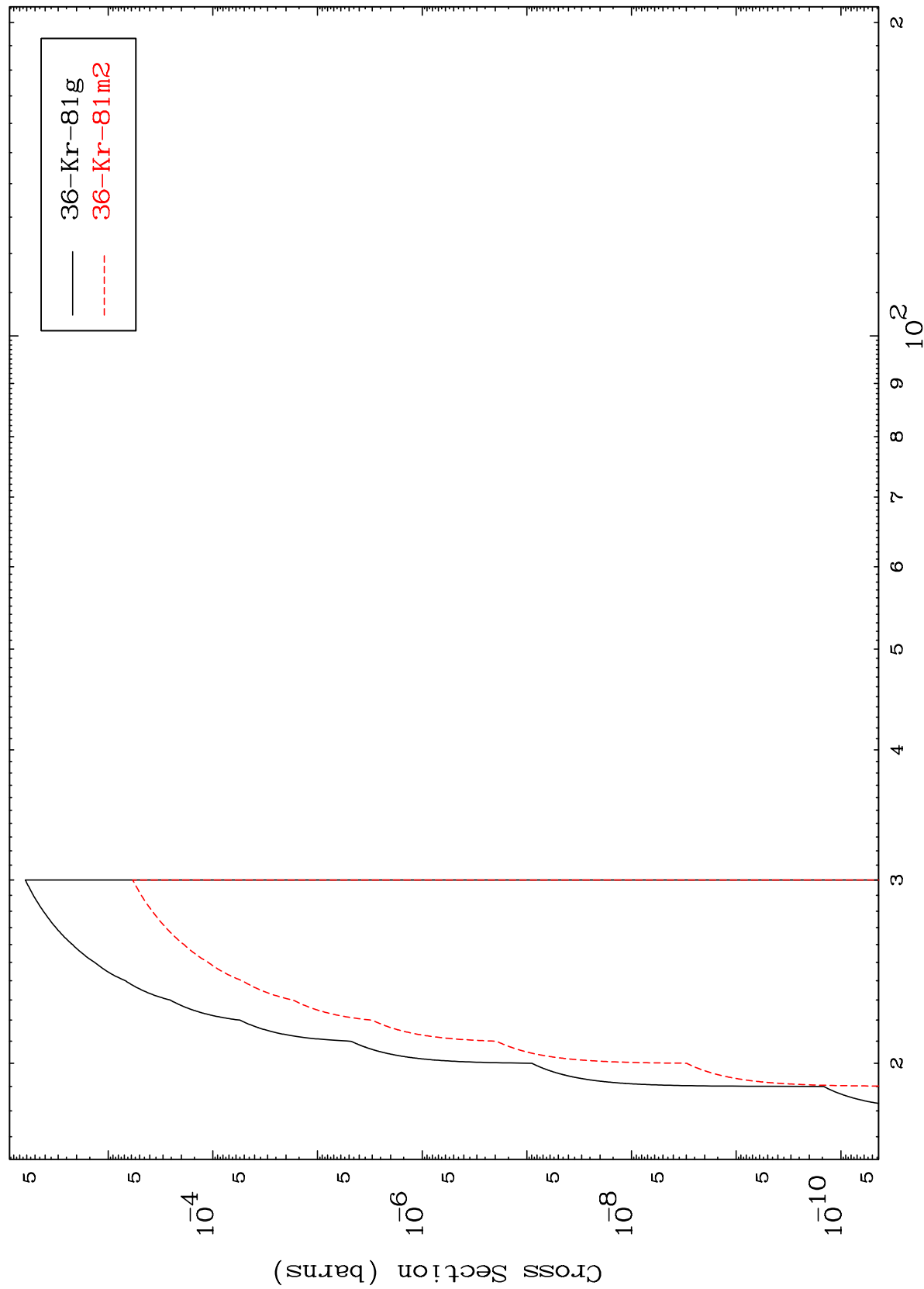


37-Rb-84m

Incident Energy (MeV)

25

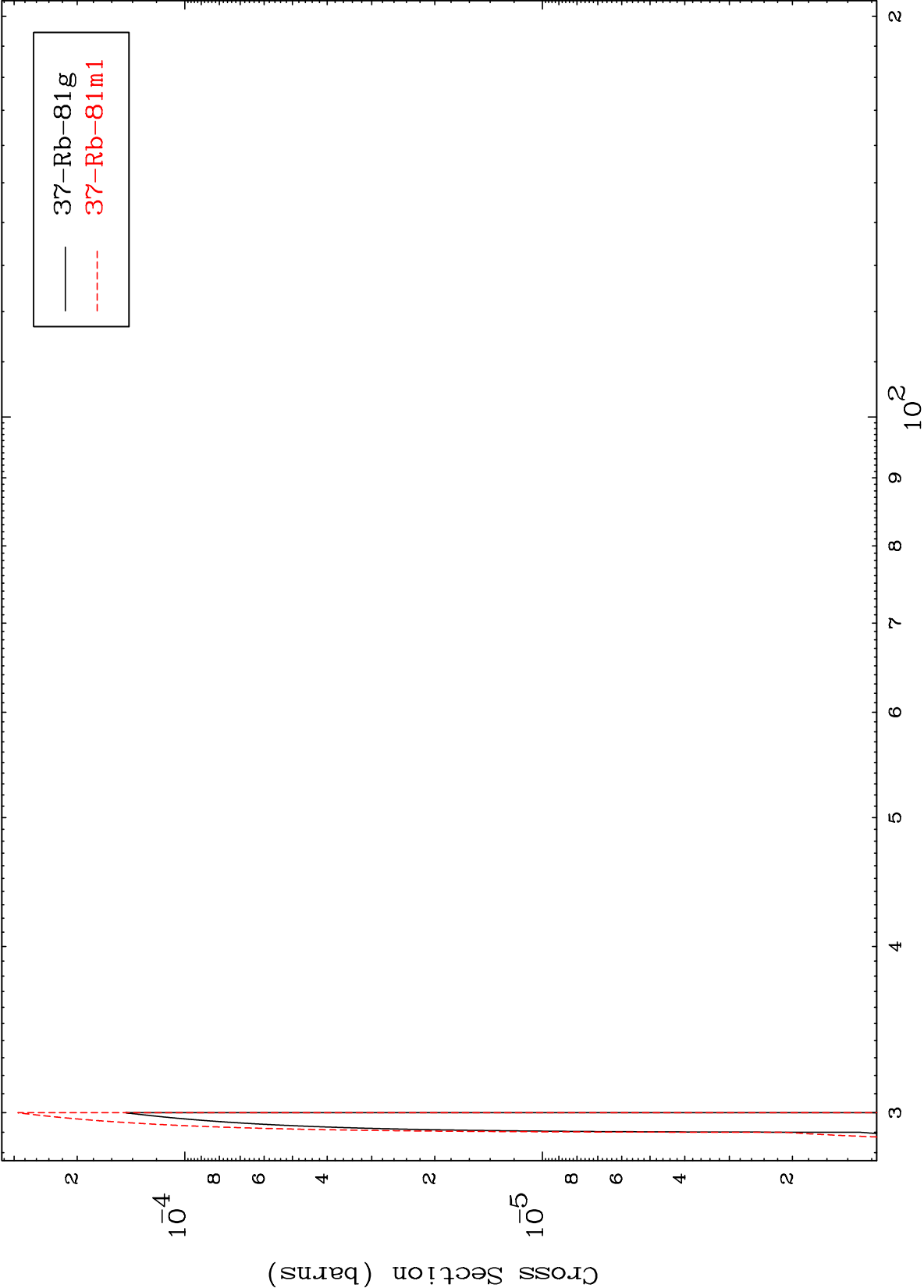
Radionuclide Production Cross Section
(n,n') t



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37-Rb-84m

(n,4n)
Radionuclide Production Cross Section



27

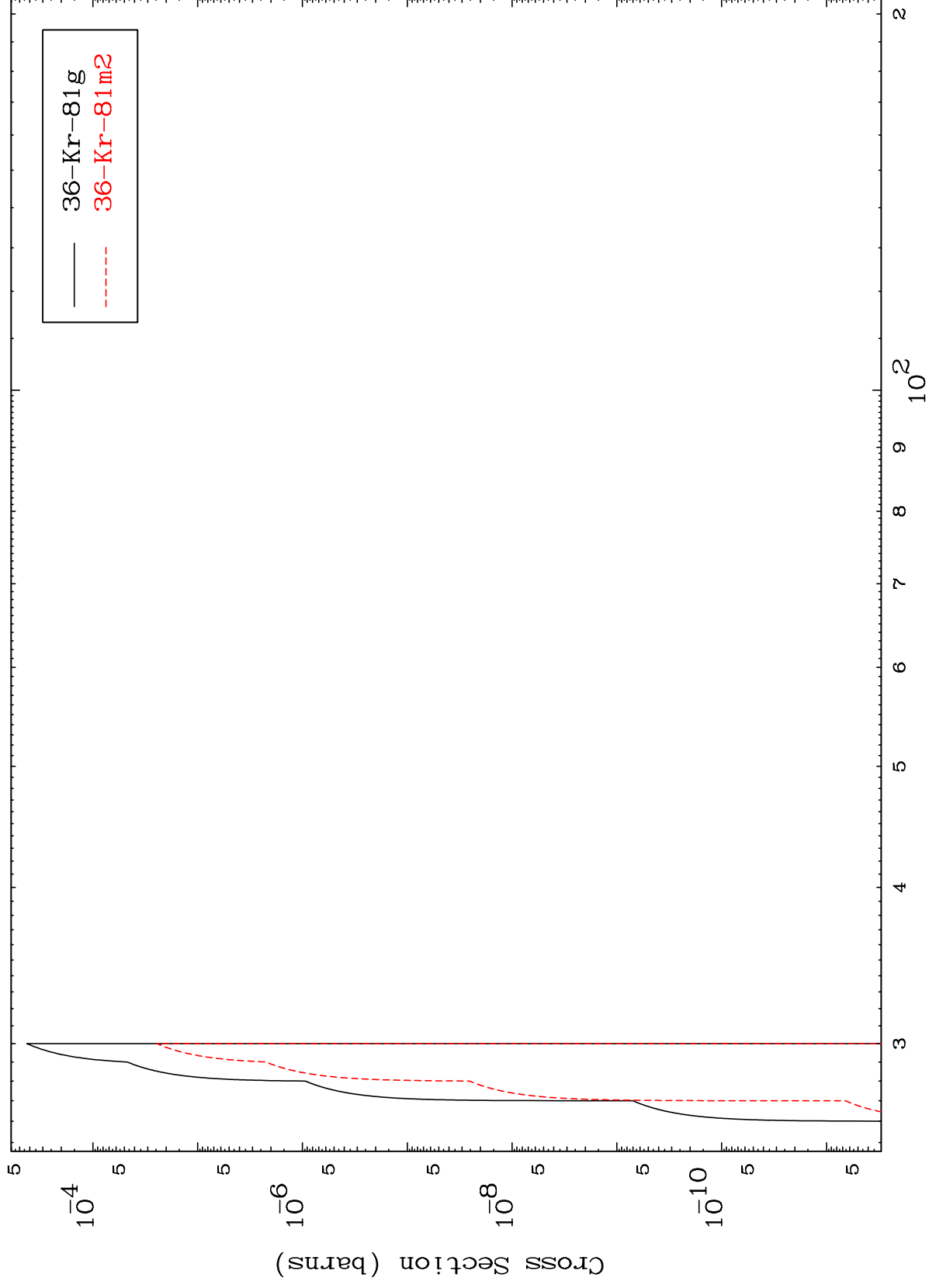
Incident Energy (MeV)

37-Rb-84m

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³⁷Rb-84m

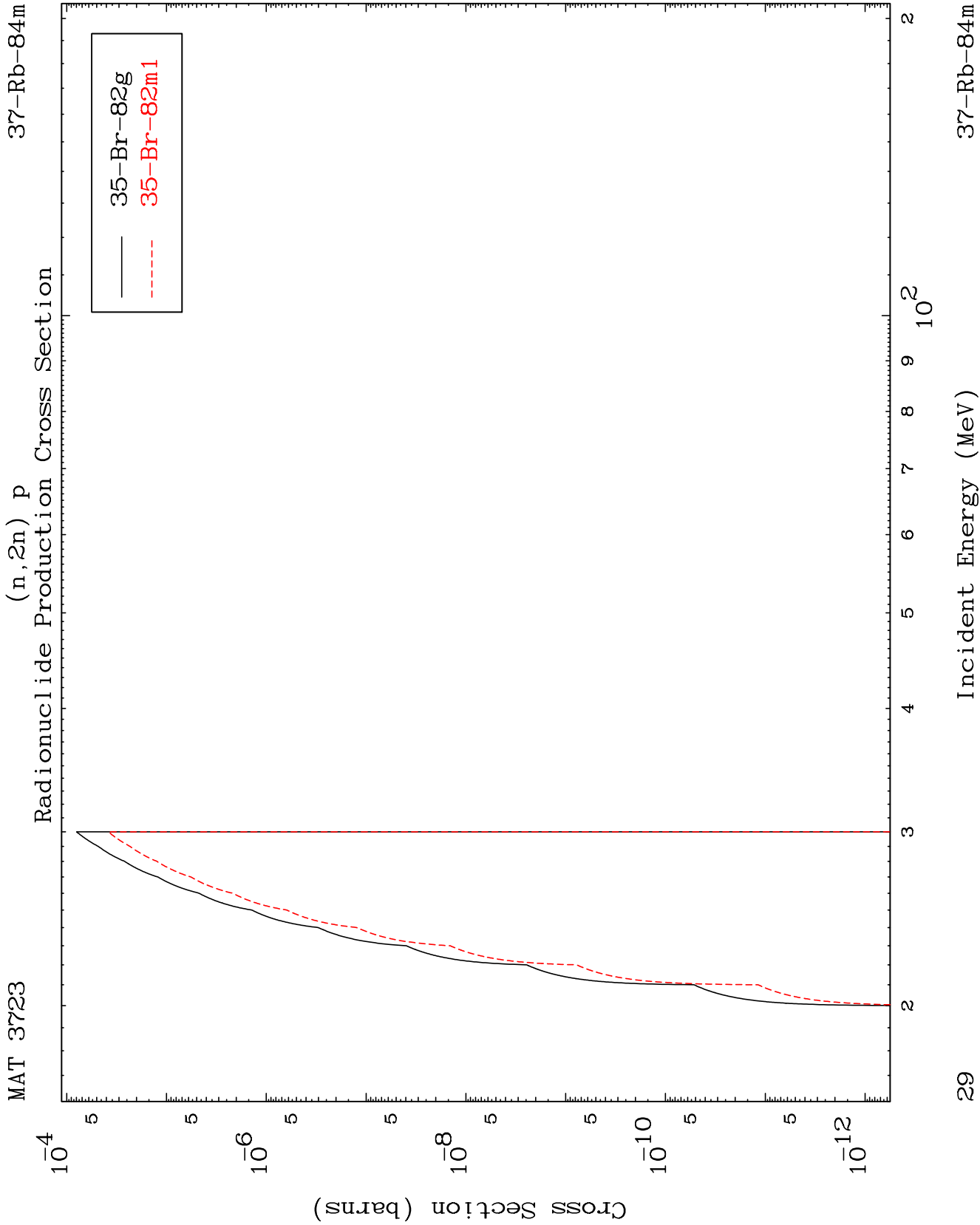
(n,3n) p
Radionuclide Production Cross Section

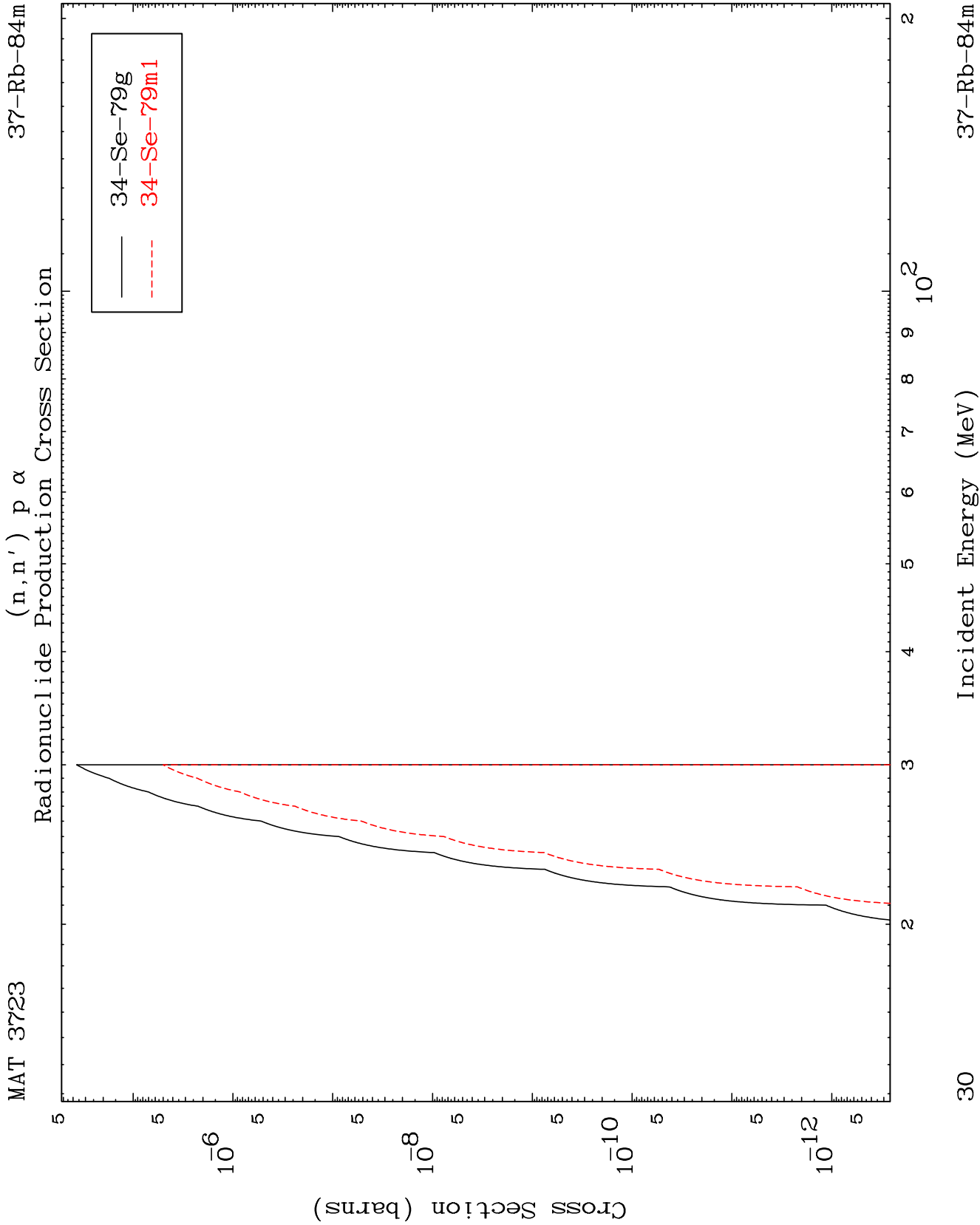


³⁷Rb-84m

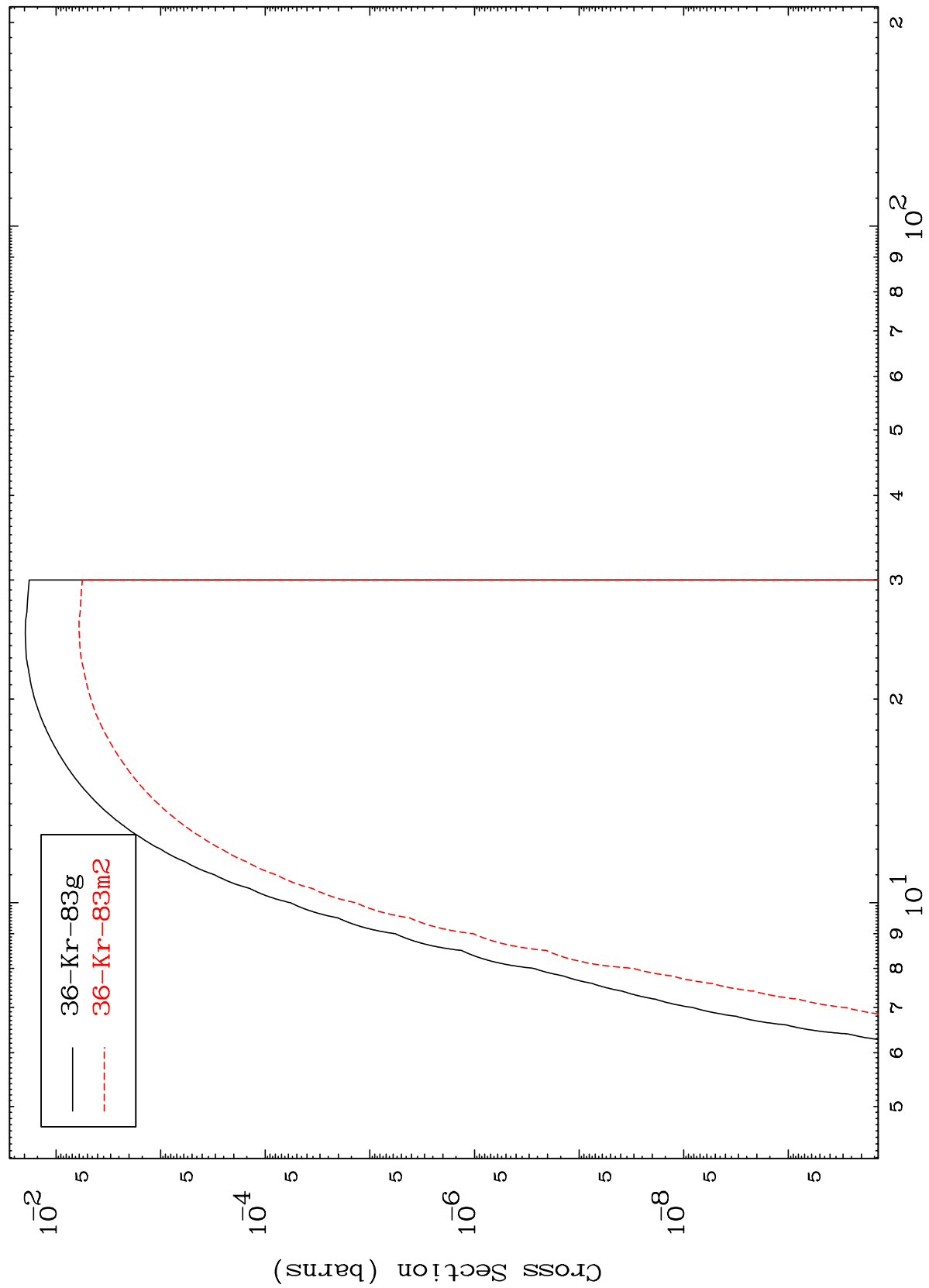
Incident Energy (MeV)

28





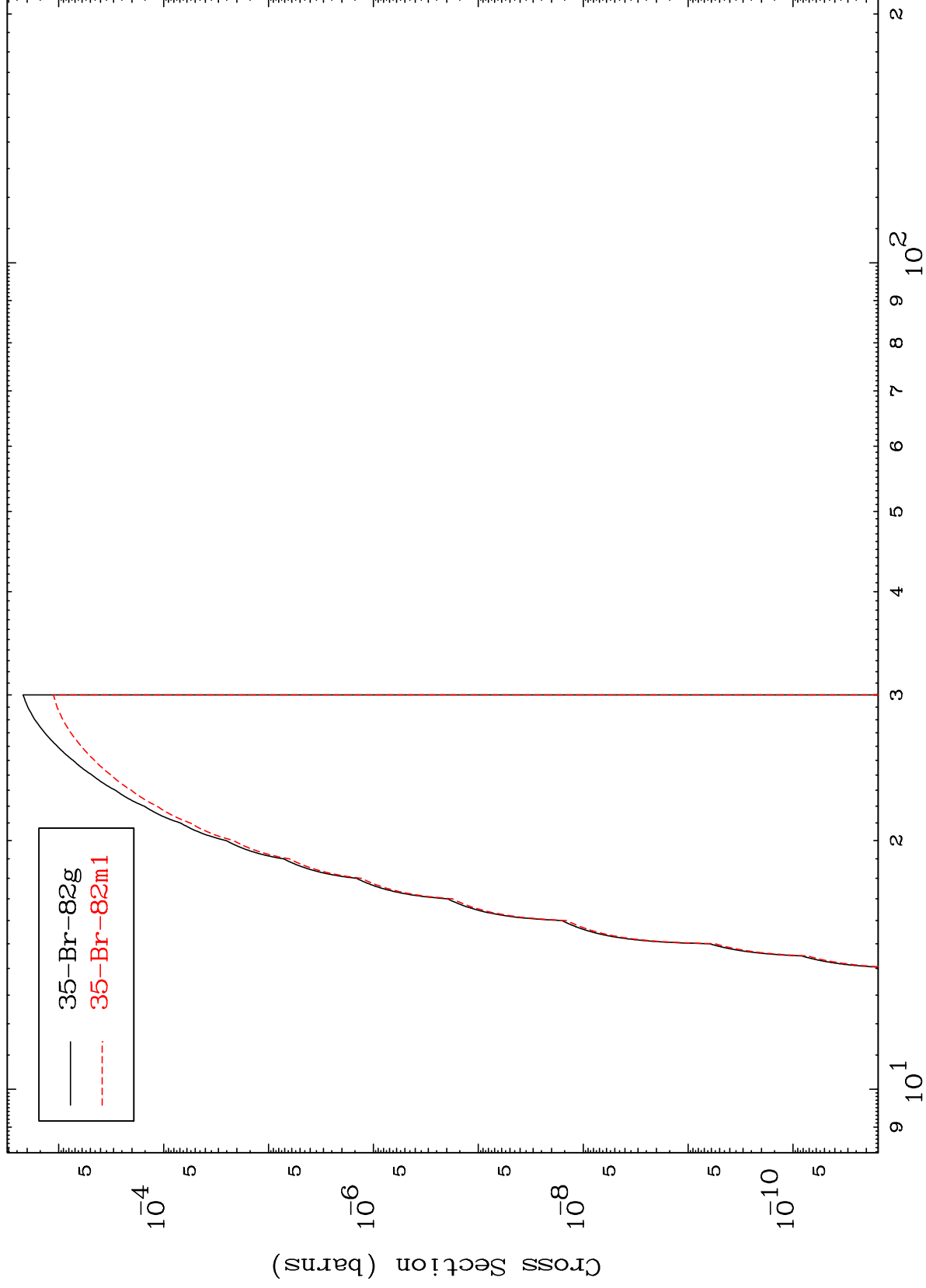
(n,d)
Radionuclide Production Cross Section



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$^{37}\text{Rb-84m}$

Radionuclide Production Cross Section



32

Incident Energy (MeV)

$^{37}\text{Rb-84m}$

(n,p) d
Radionuclide Production Cross Section

