

Program EVALPLOT  
(Version 2021-1)

by

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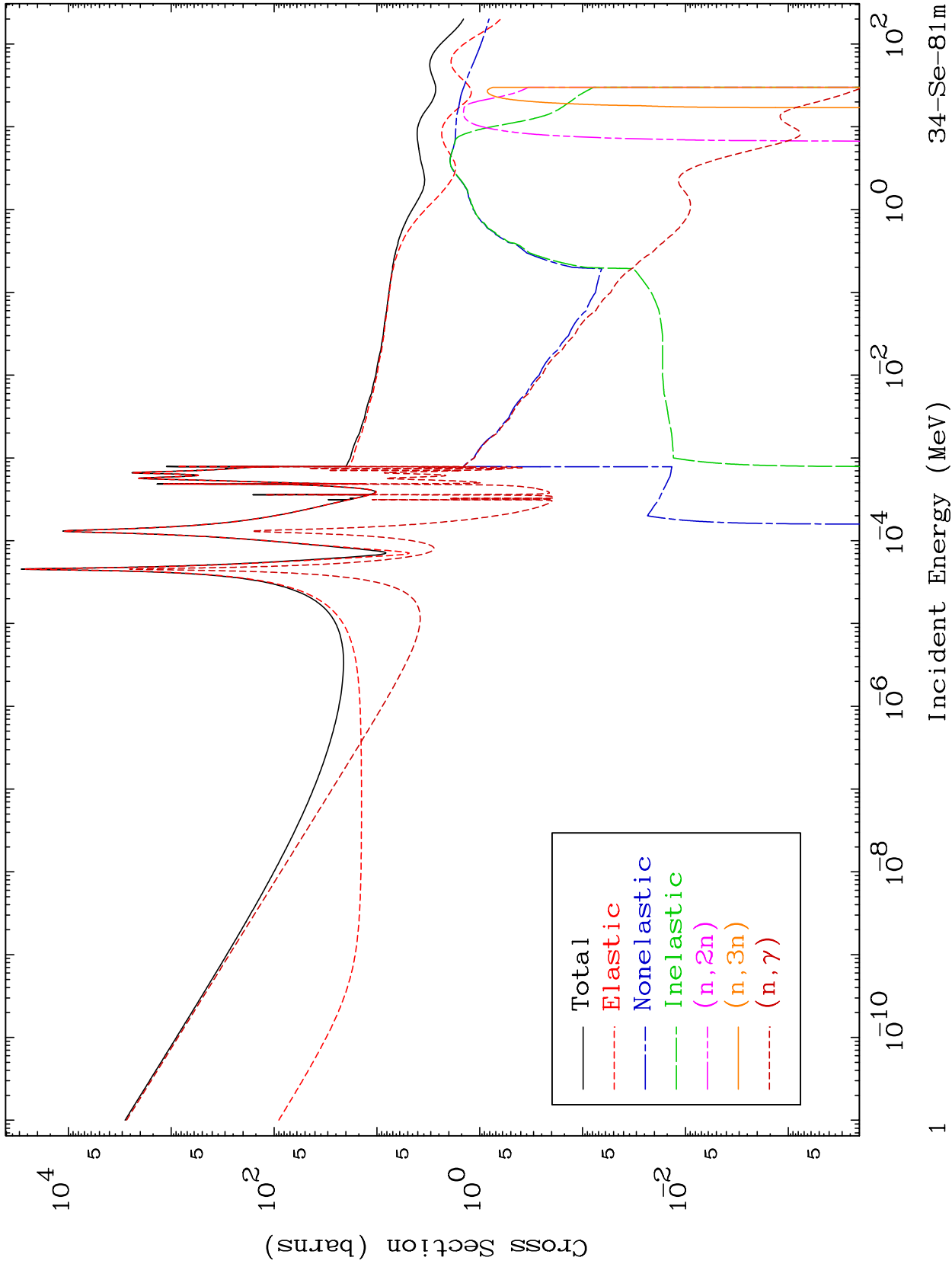
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3447

Neutron Major  
293 Kelvin Cross Sections

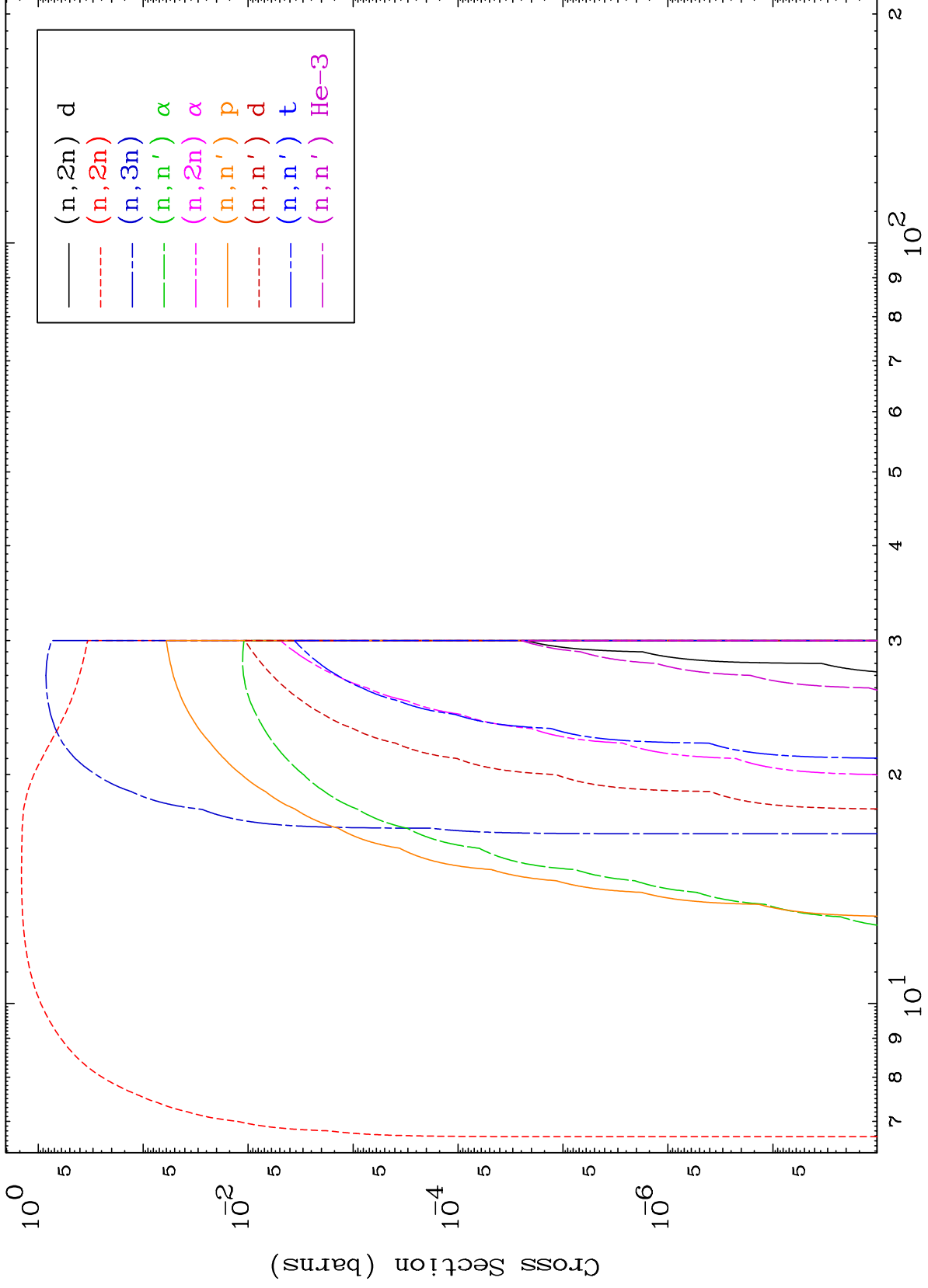
34-Se-81m



MAT 3447

Neutron Absorption  
293 Kelvin Cross Sections

34-Se-81m



2

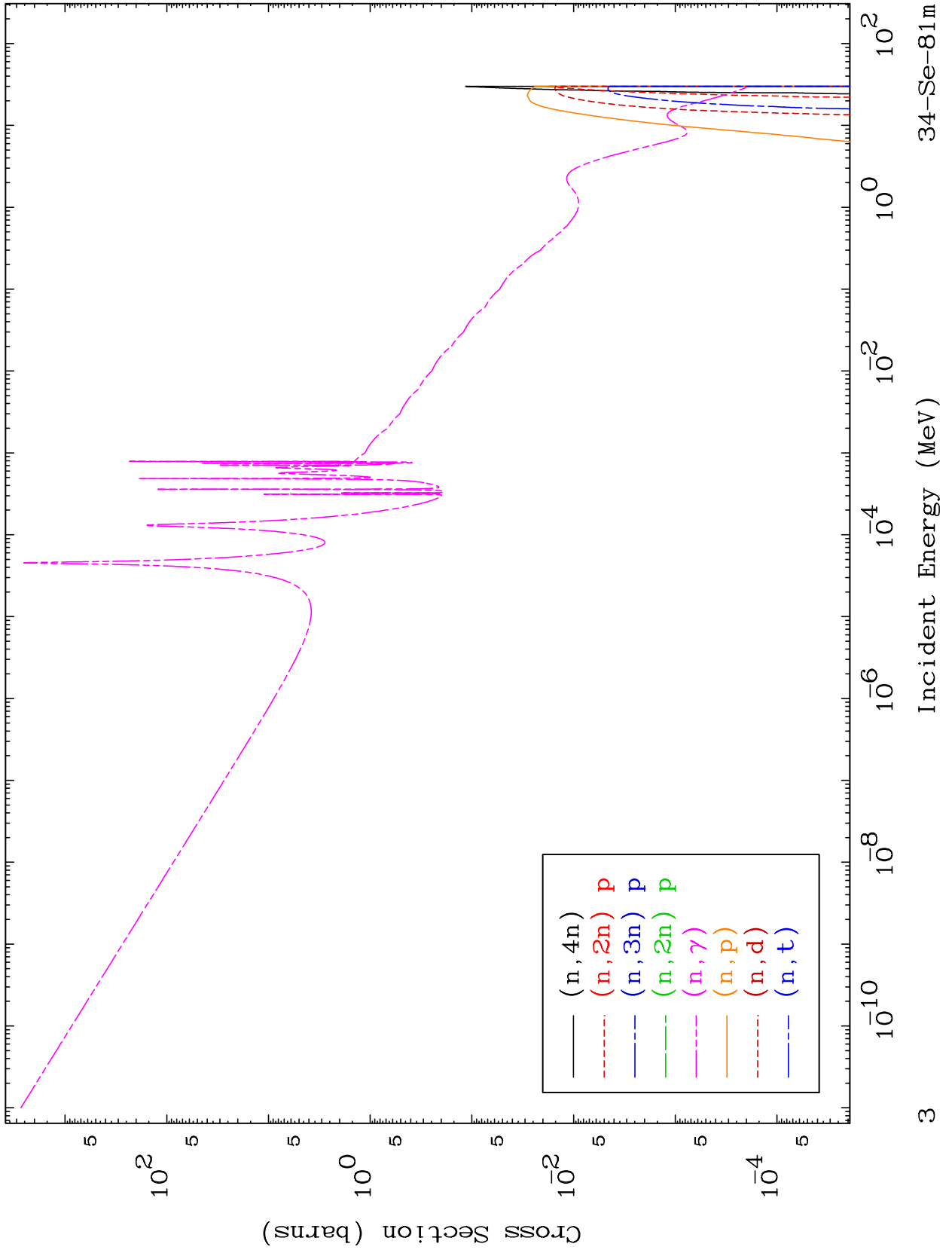
Incident Energy (MeV)

34-Se-81m

MAT 3447

Neutron Absorption  
293 Kelvin Cross Sections

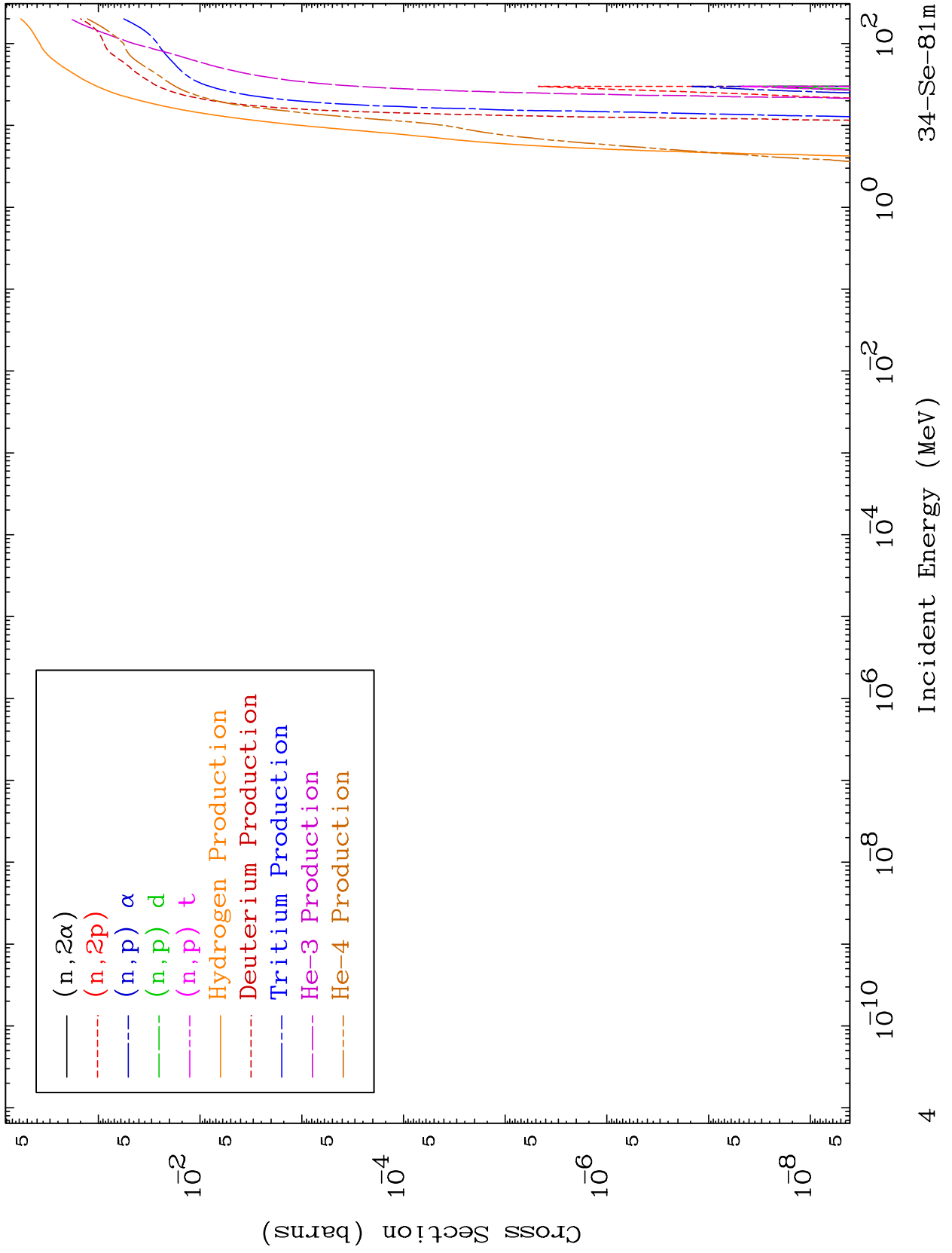
34-Se-81m



MAT 3447

Neutron Absorption  
293 Kelvin Cross Sections

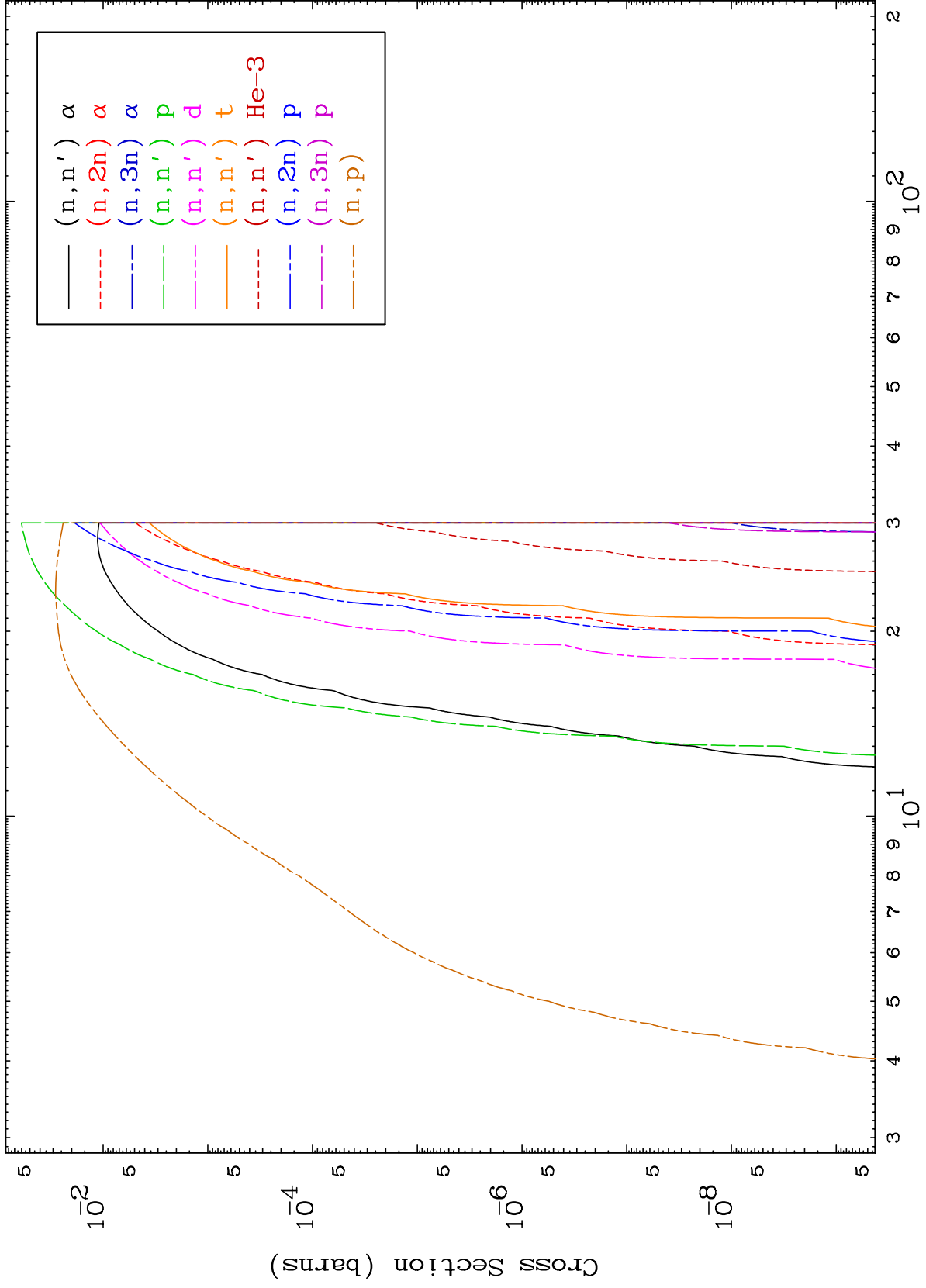
<sup>34</sup>Se-81m



MAT 3447

Charged Particle  
293 Kelvin Cross Sections

34-Se-81m



5

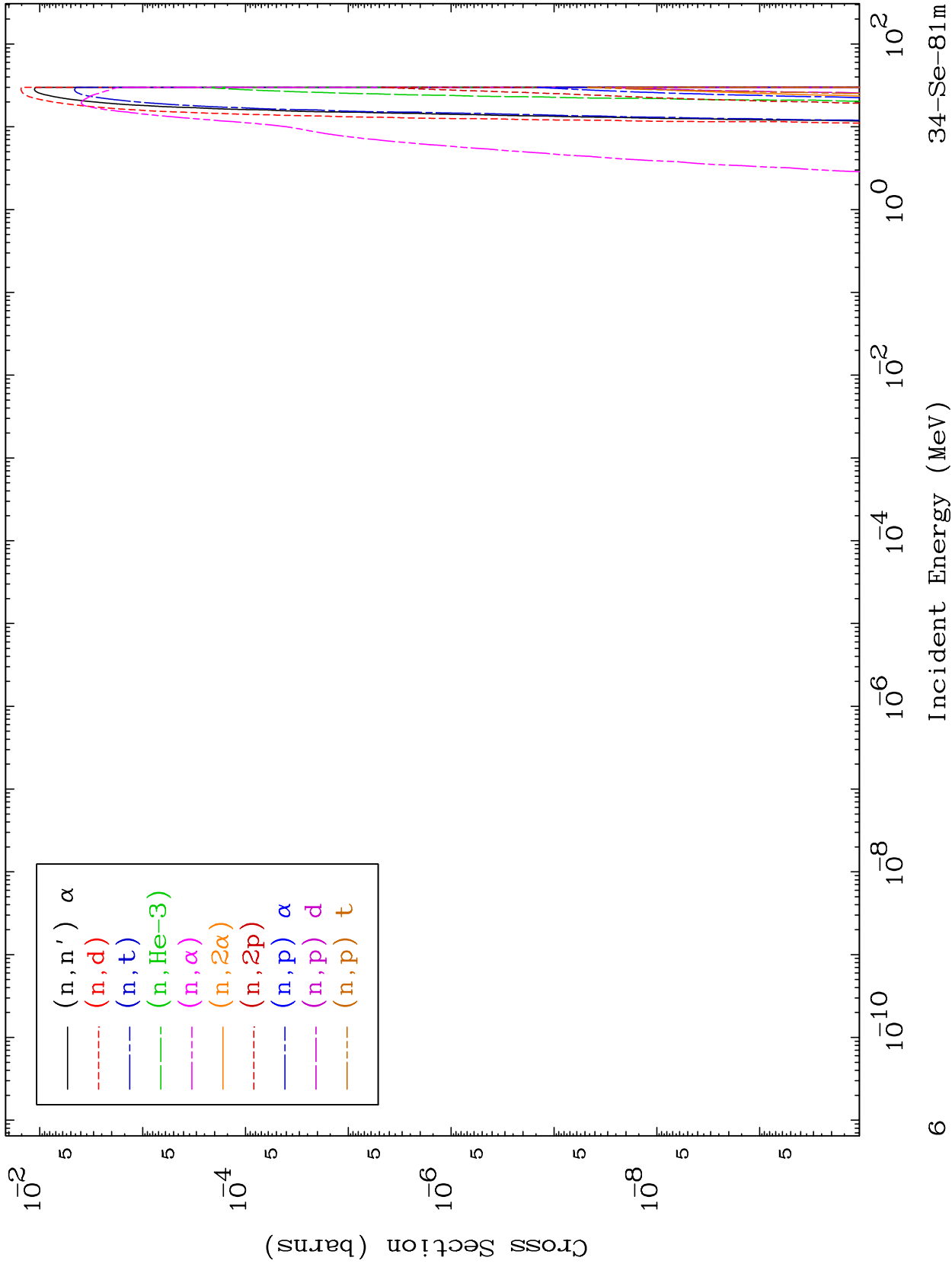
Incident Energy (MeV)

34-Se-81m

MAT 3447

Charged Particle  
293 Kelvin Cross Sections

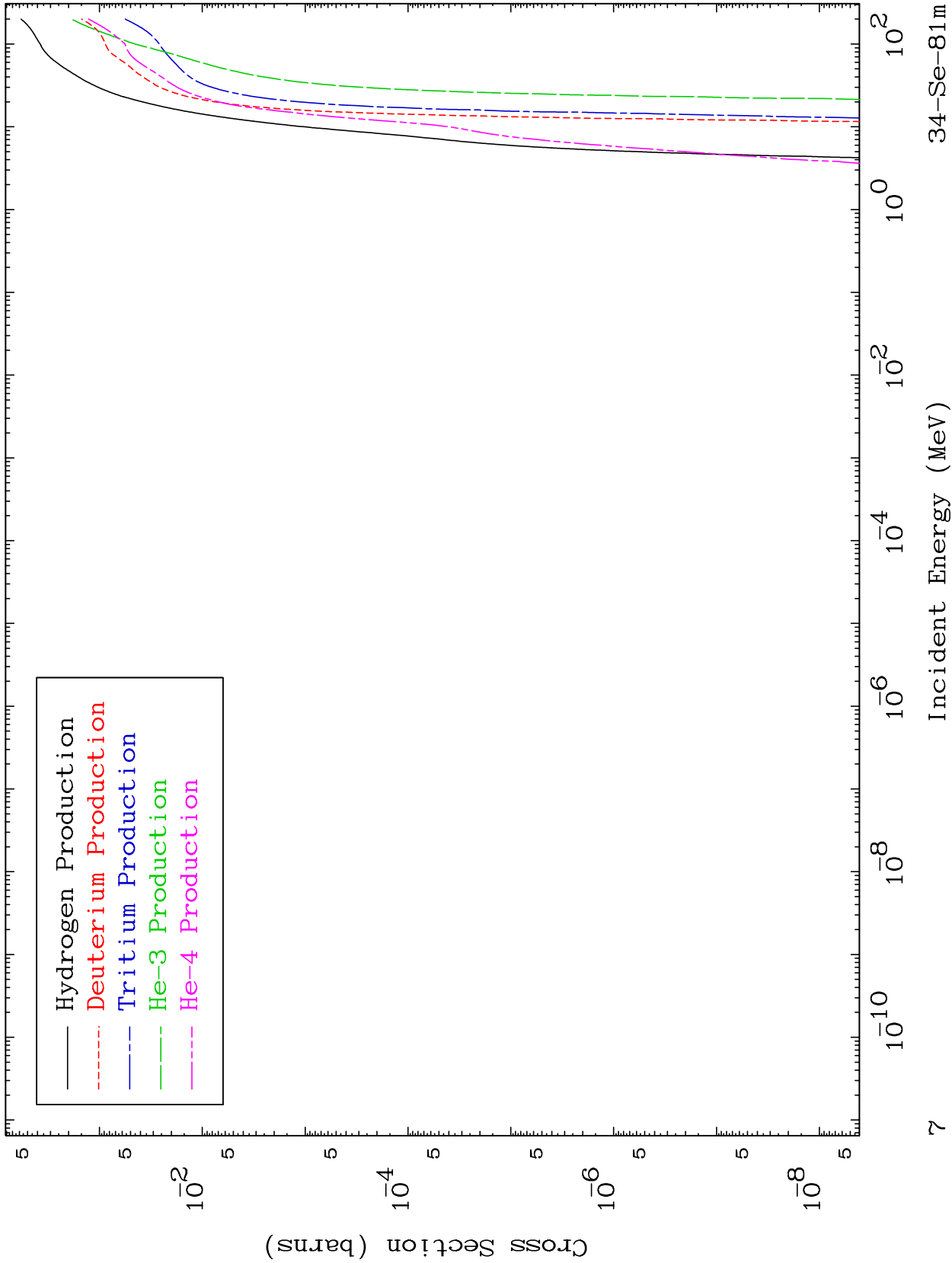
34-Se-81m



MAT 3447

Particle Production  
293 Kelvin Cross Sections

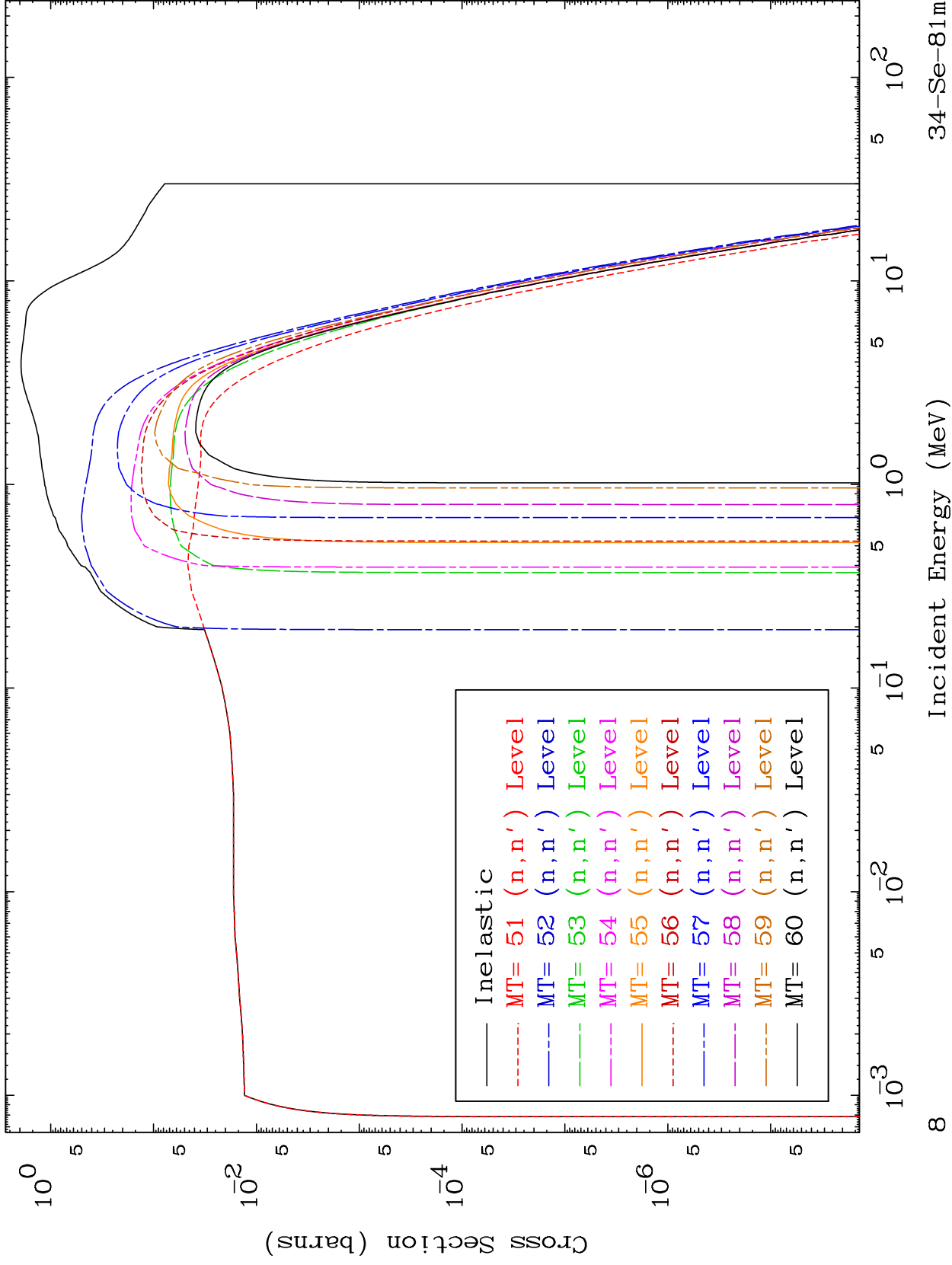
34-Se-81m



MAT 3447

(n,n') Levels  
293 Kelvin Cross Sections

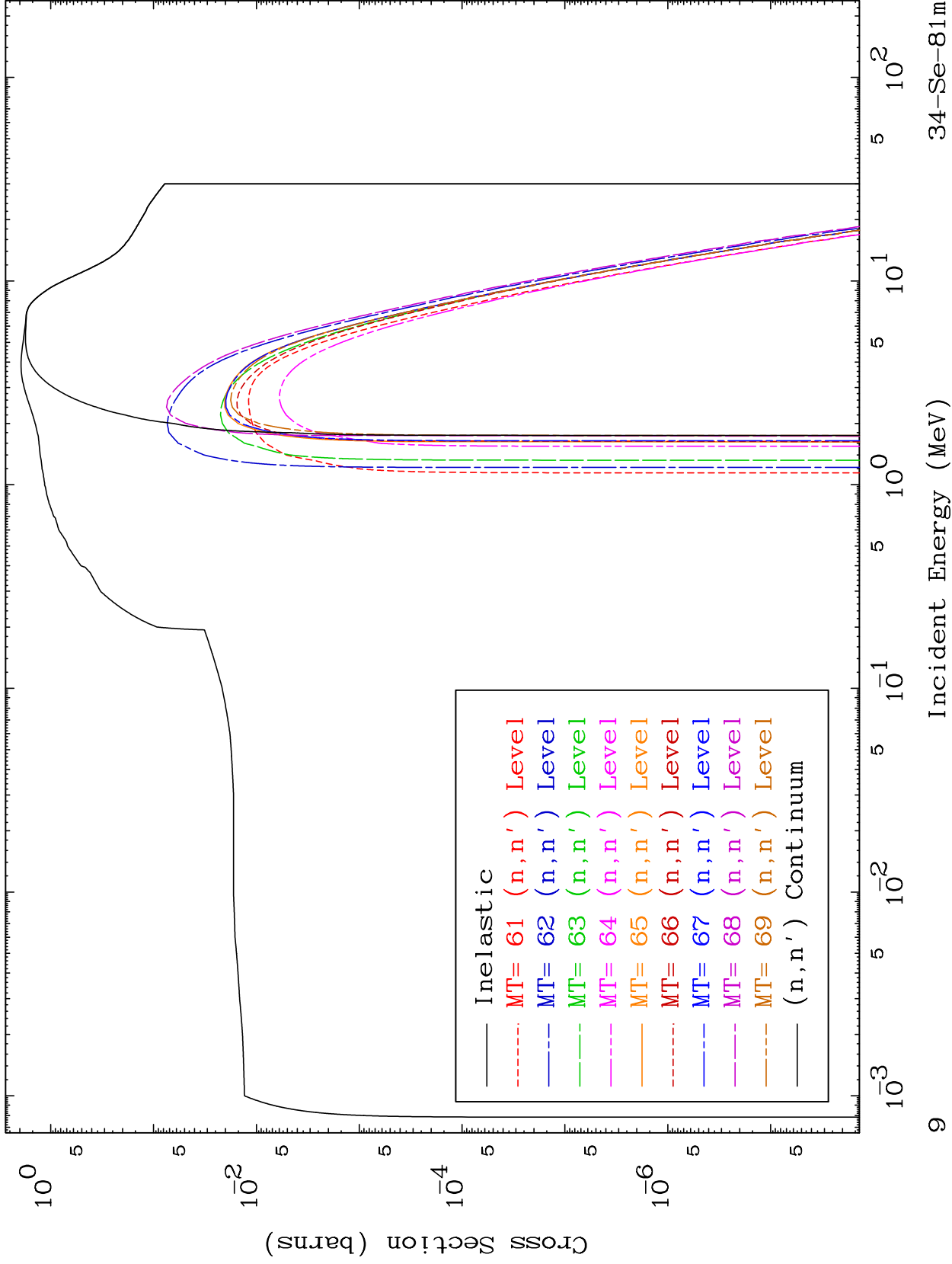
34-Se-81m



MAT 3447

(n,n') Levels  
293 Kelvin Cross Sections

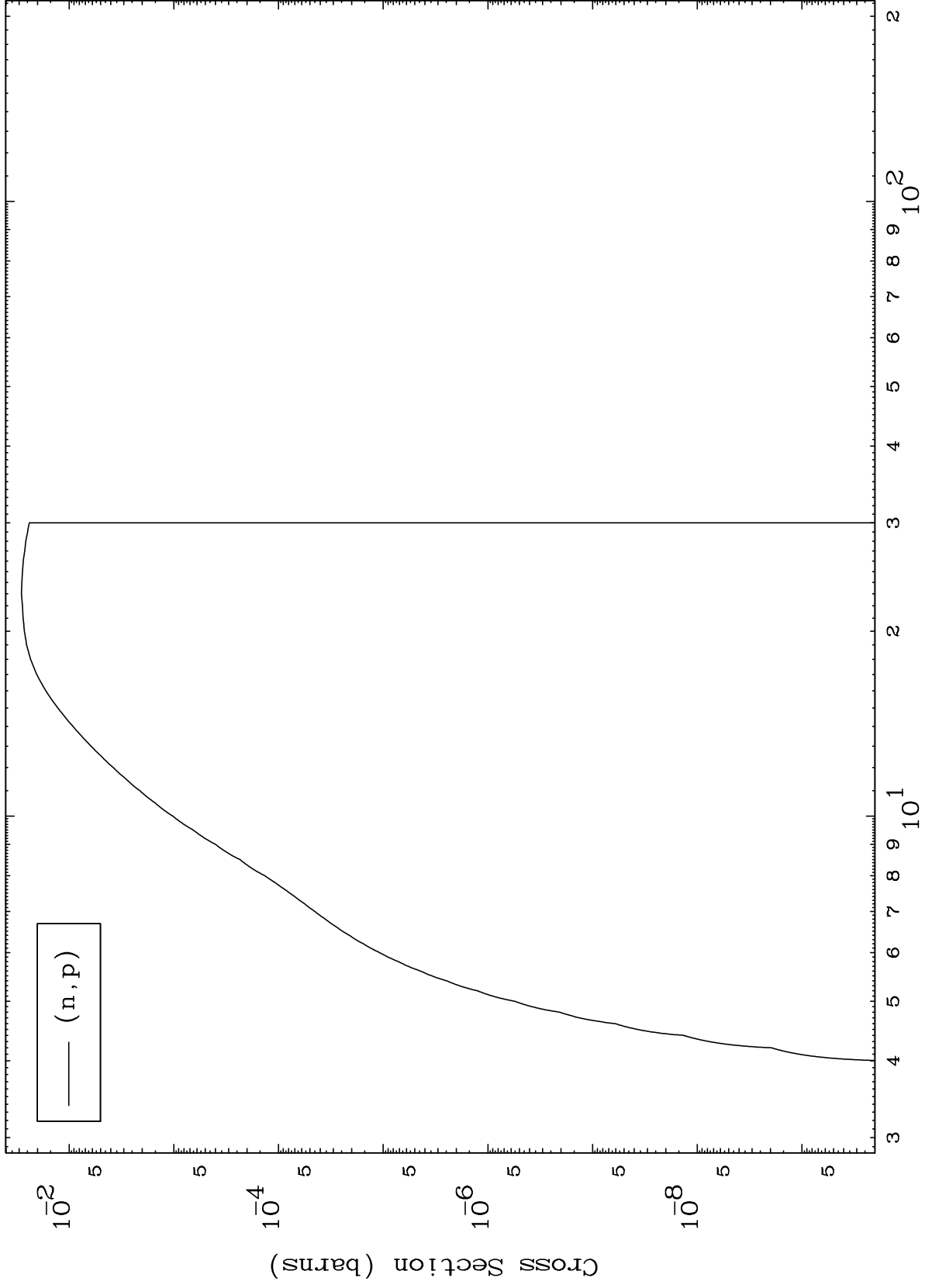
34-Se-81m



MAT 3447

(n,p) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-81m



10

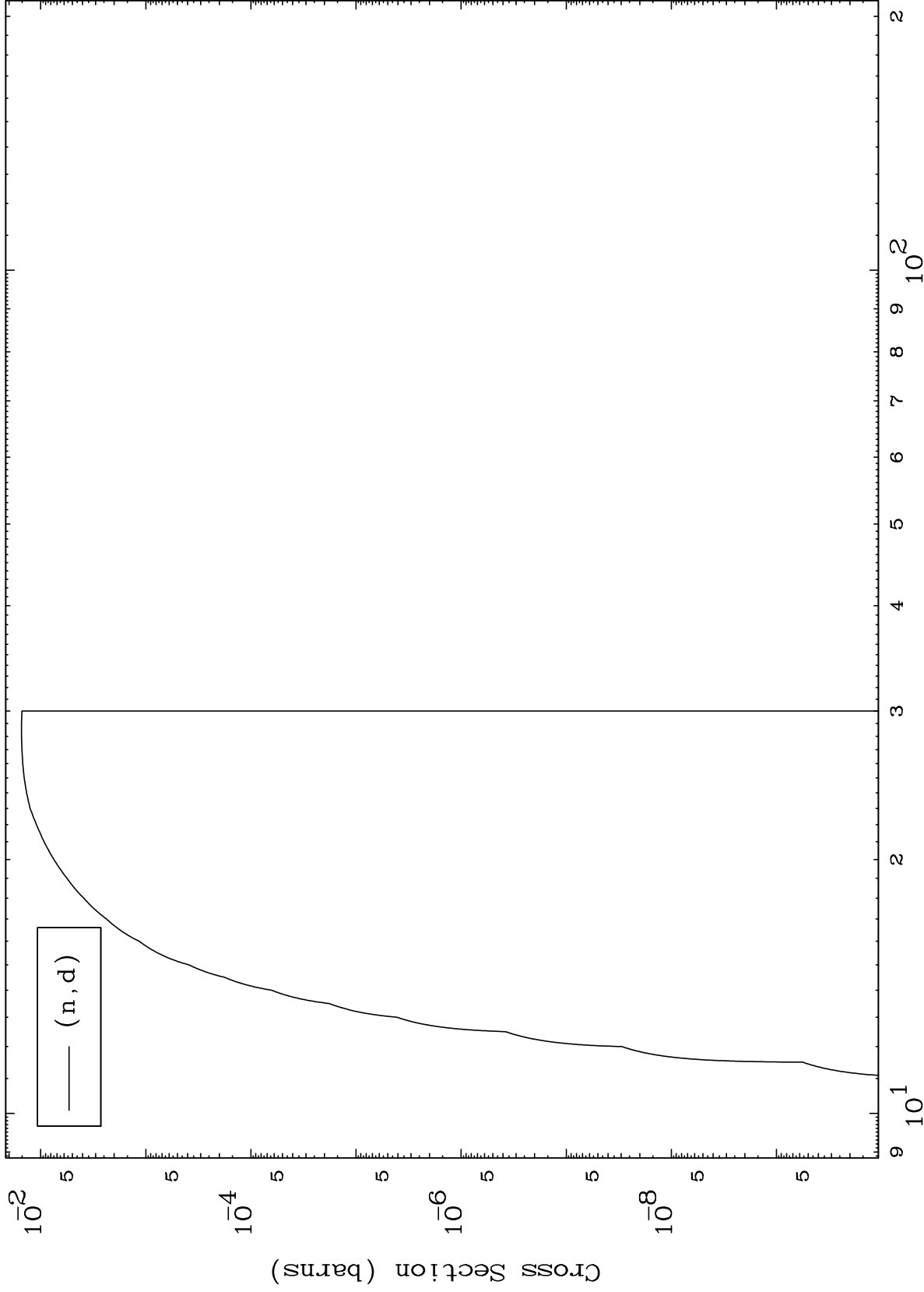
Incident Energy (MeV)

<sup>34</sup>Se-81m

MAT 3447

(n,d) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-81m



11

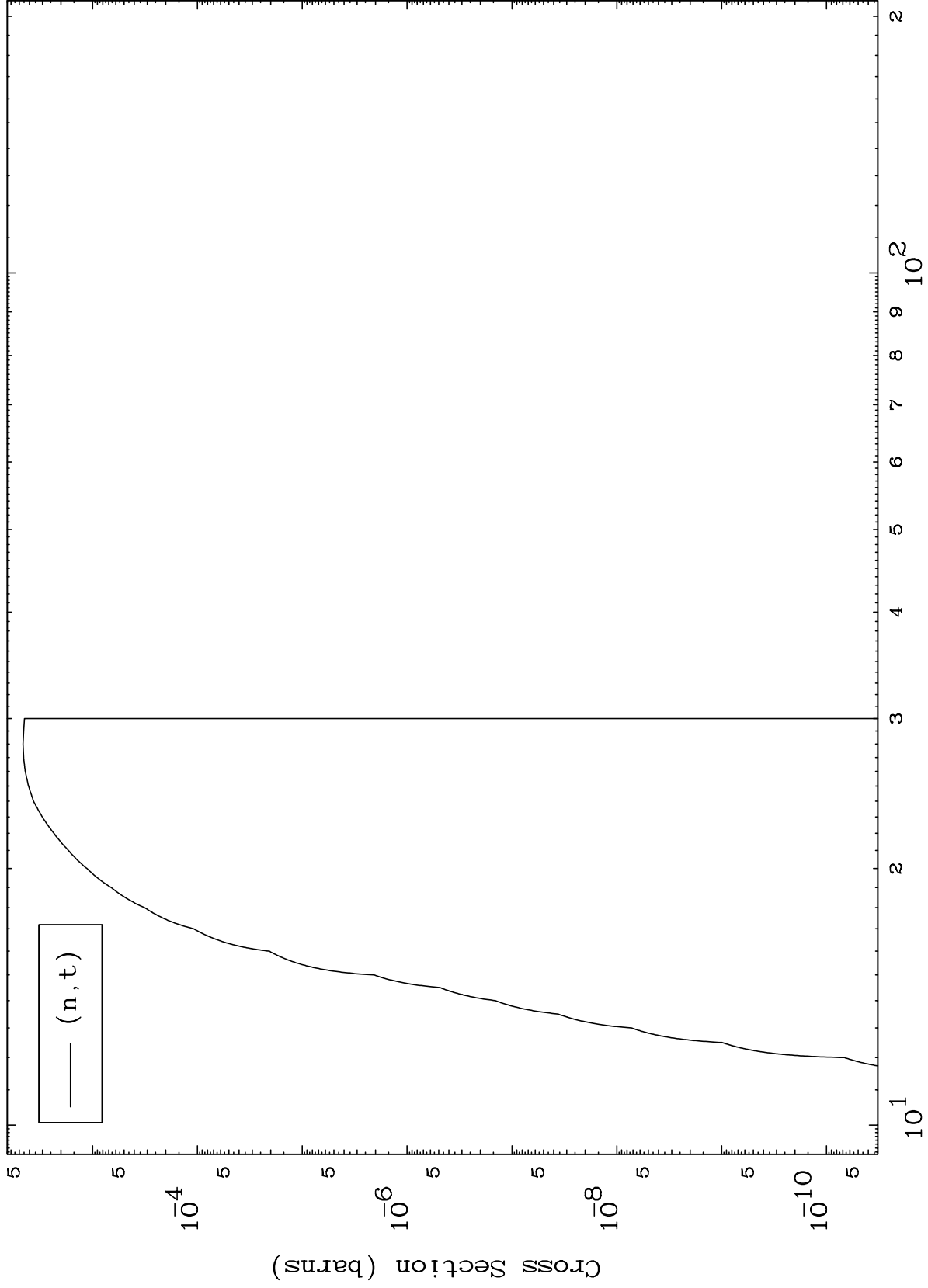
Incident Energy (MeV)

<sup>34</sup>Se-81m

MAT 3447

(n,t) Levels  
293 Kelvin Cross Sections

34-Se-81m



12

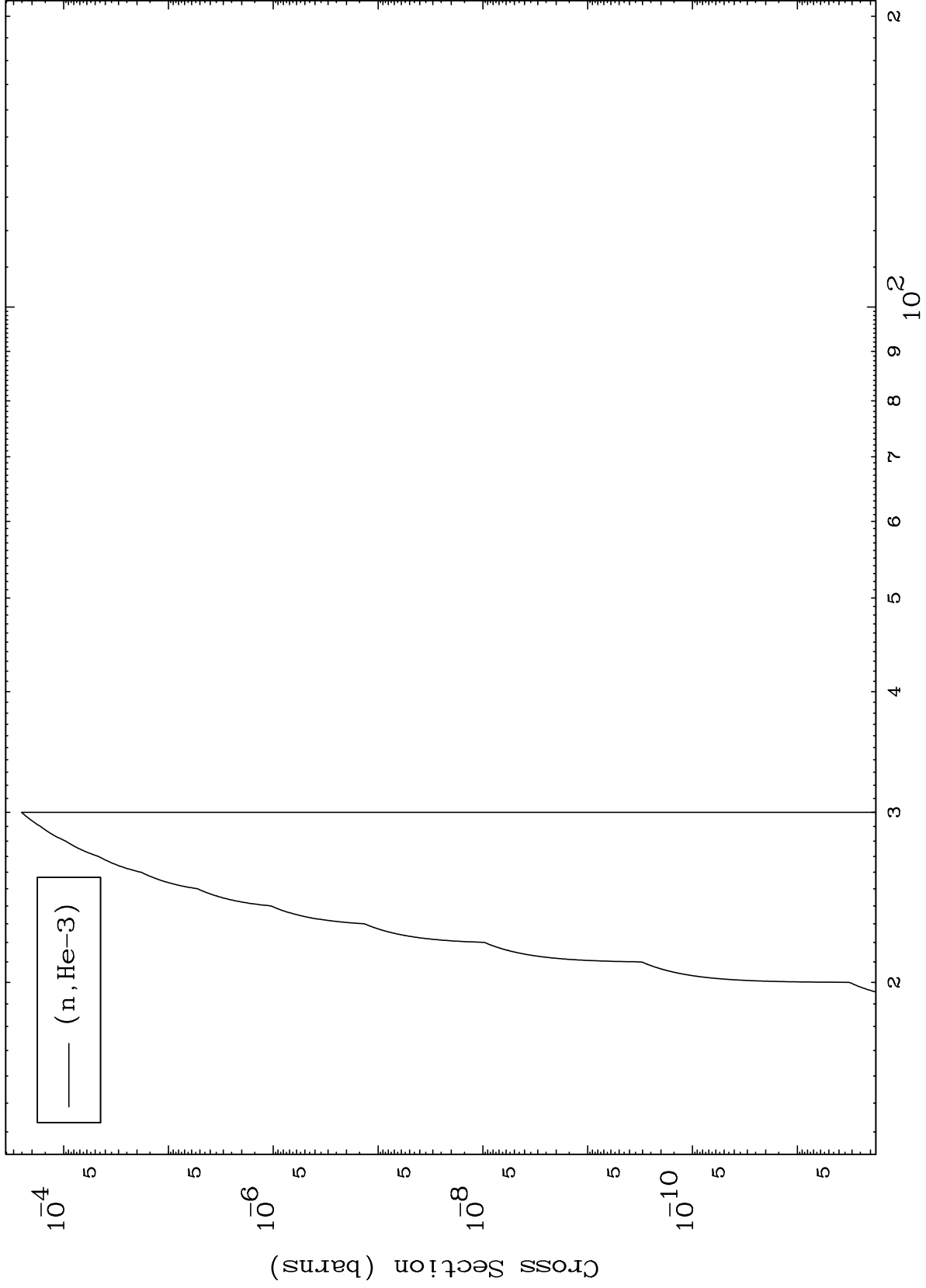
Incident Energy (MeV)

34-Se-81m

MAT 3447

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-81m



13

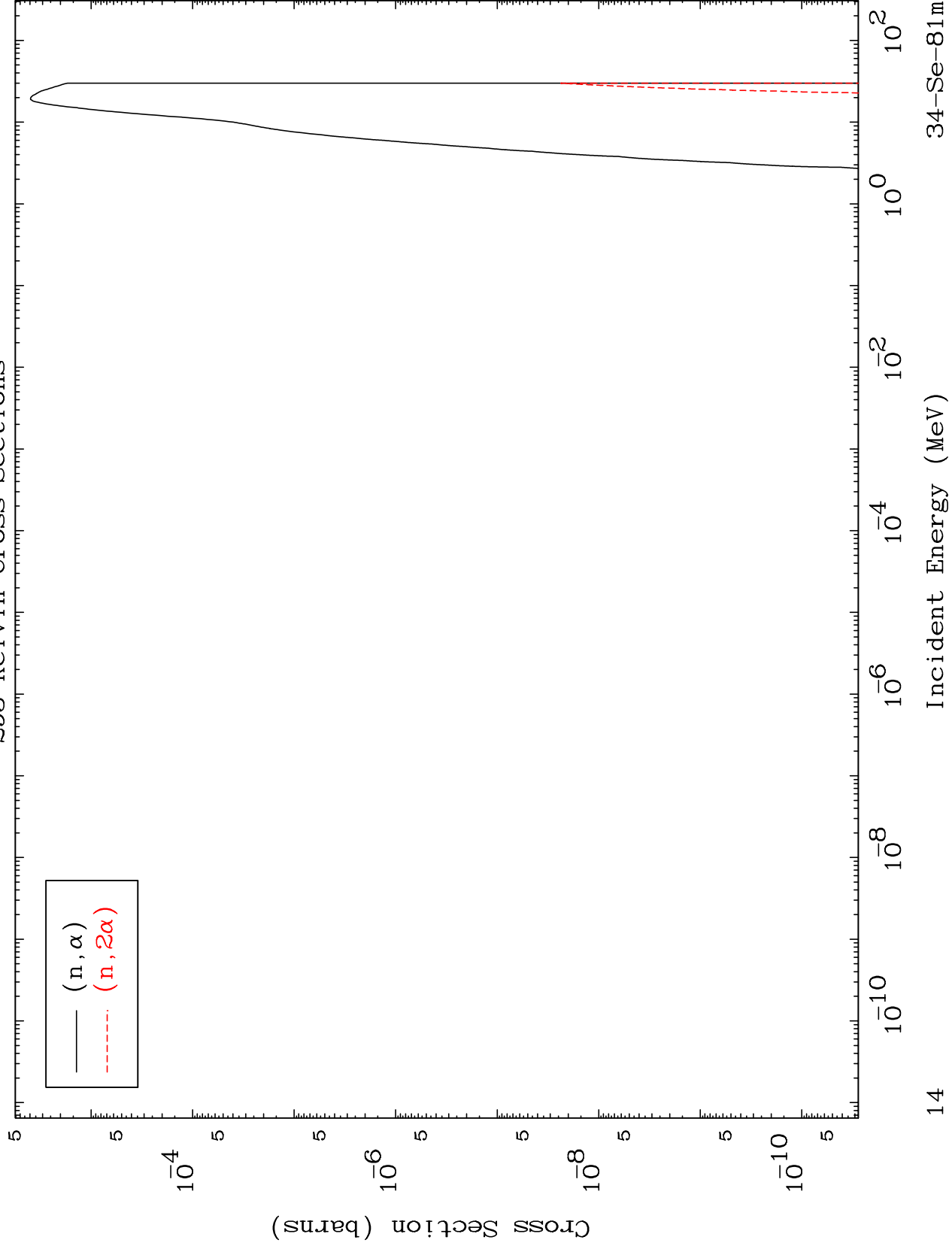
Incident Energy (MeV)

34-Se-81m

MAT 3447

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-81m

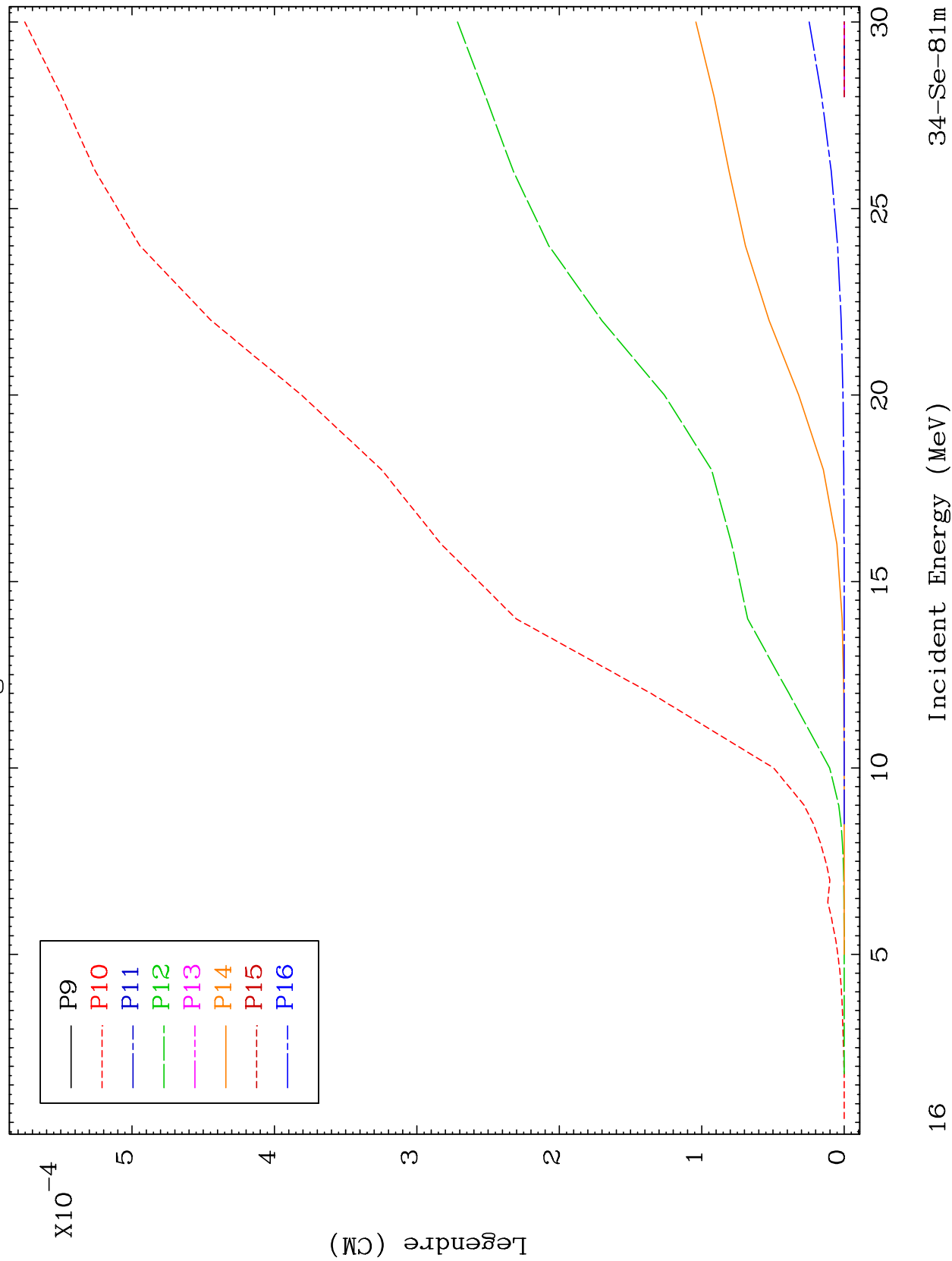




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Elastic Legendre Coefficients

<sup>34</sup>Se-81m



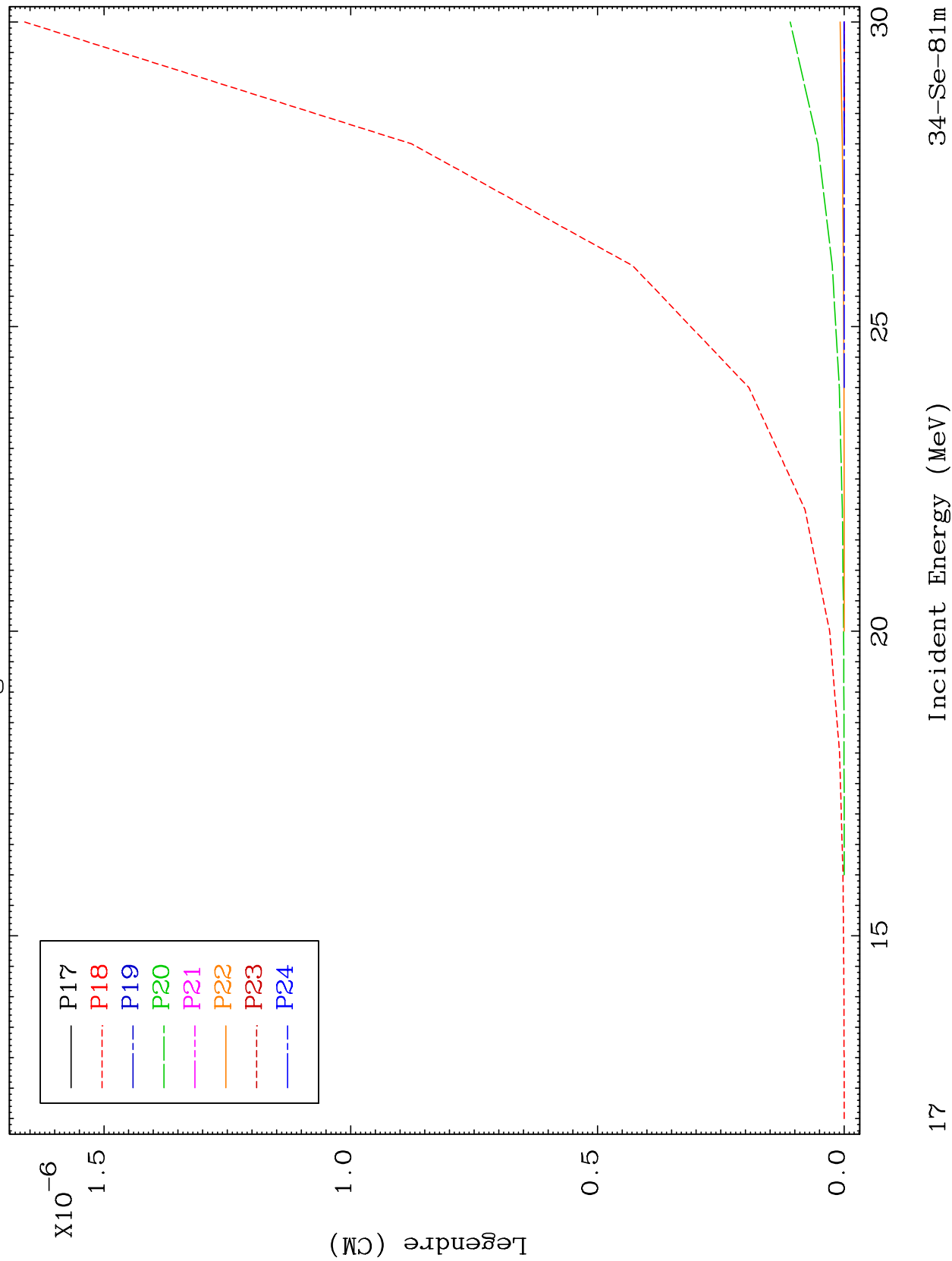
16

<sup>34</sup>Se-81m

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### Elastic Legendre Coefficients

<sup>34</sup>Se-81m



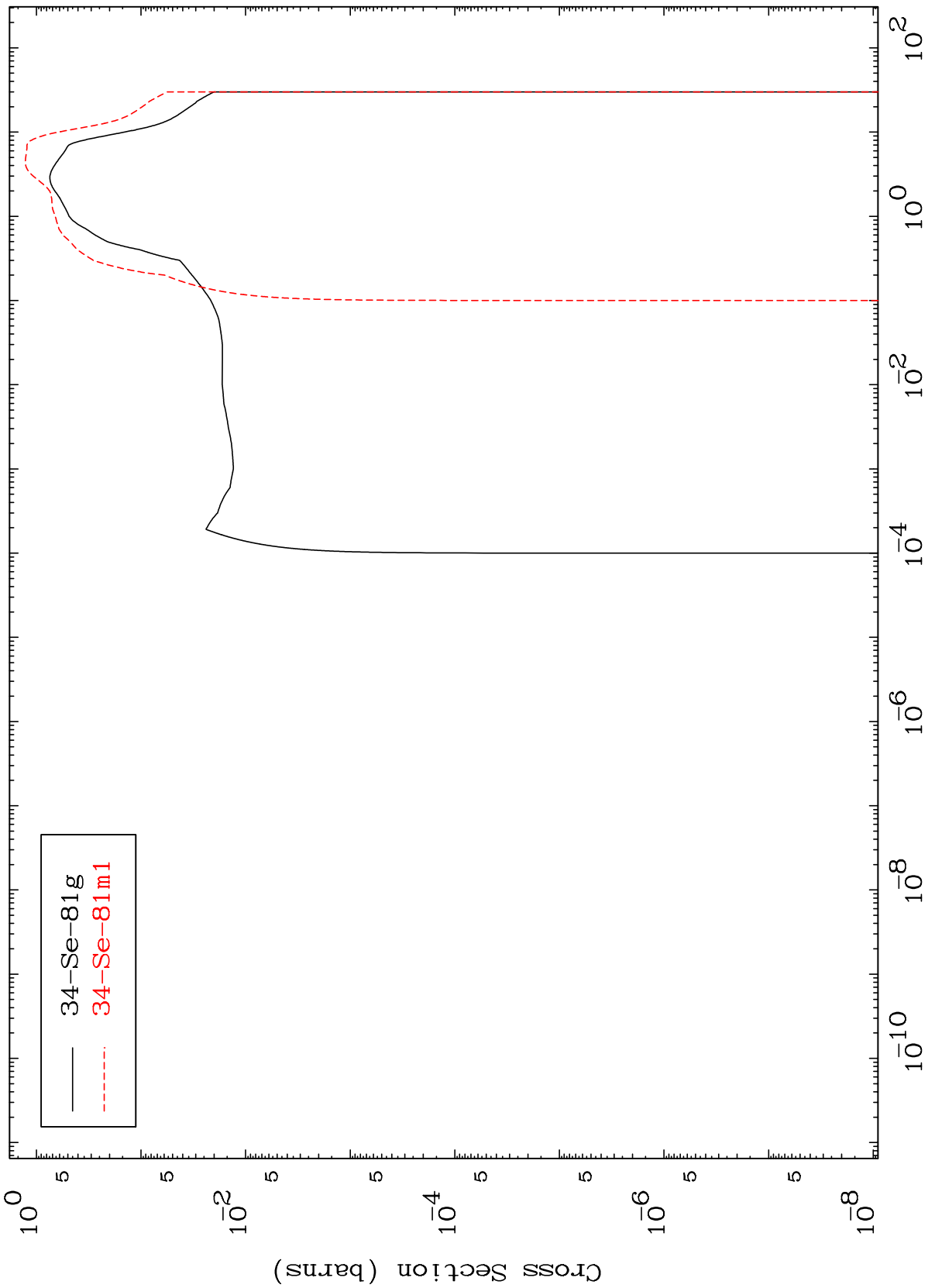
17

<sup>34</sup>Se-81m

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<sup>34</sup>Se-81m

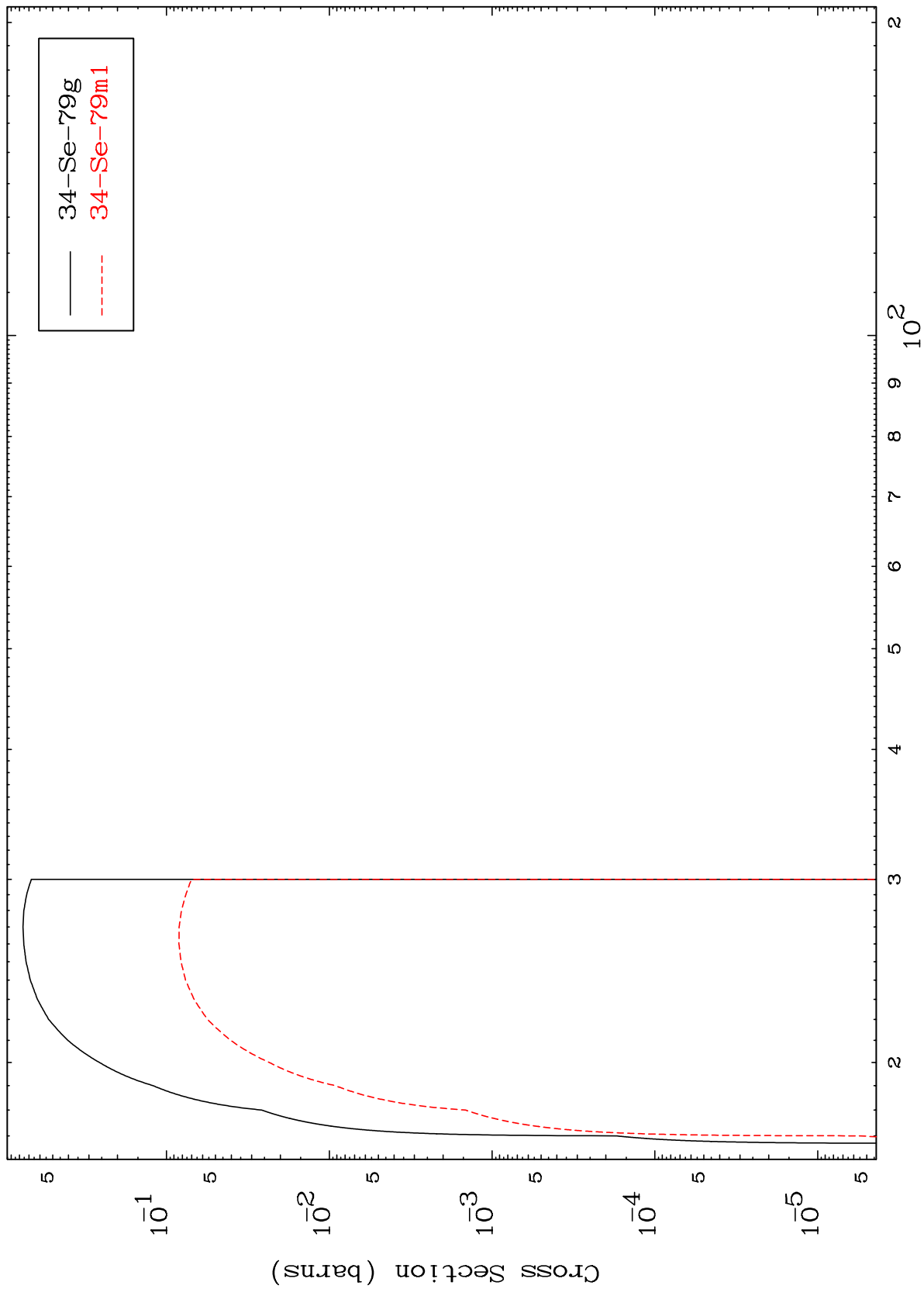
Inelastic  
Radionuclide Production Cross Section



MAT 3447

34-Se-81m

(n,3n)  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

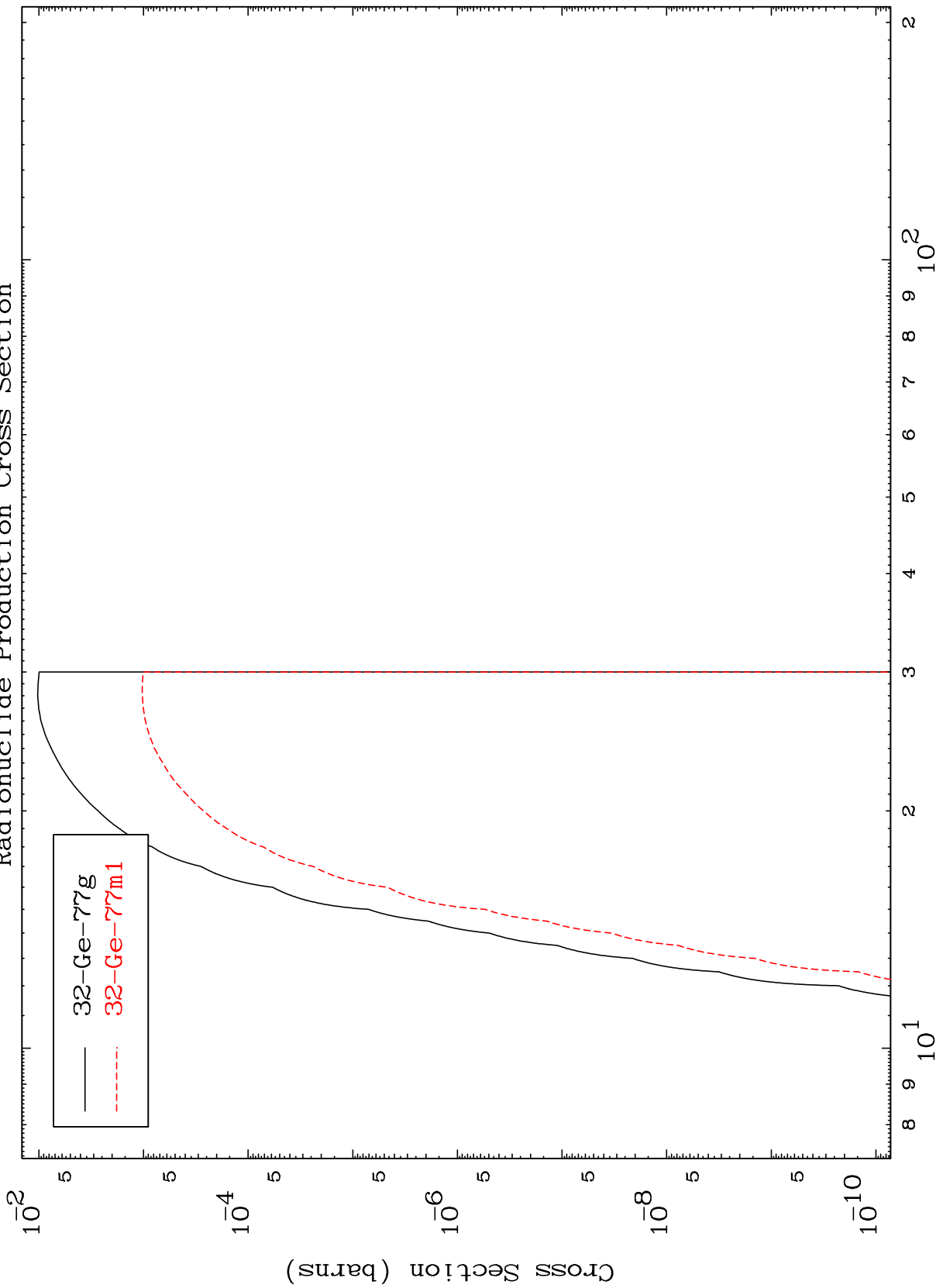
34-Se-81m

MAT 3447

$(n, n') \alpha$

$^{34}\text{Se-81m}$

Radionuclide Production Cross Section



$^{34}\text{Se-81m}$

$^{34}\text{Se-81m}$

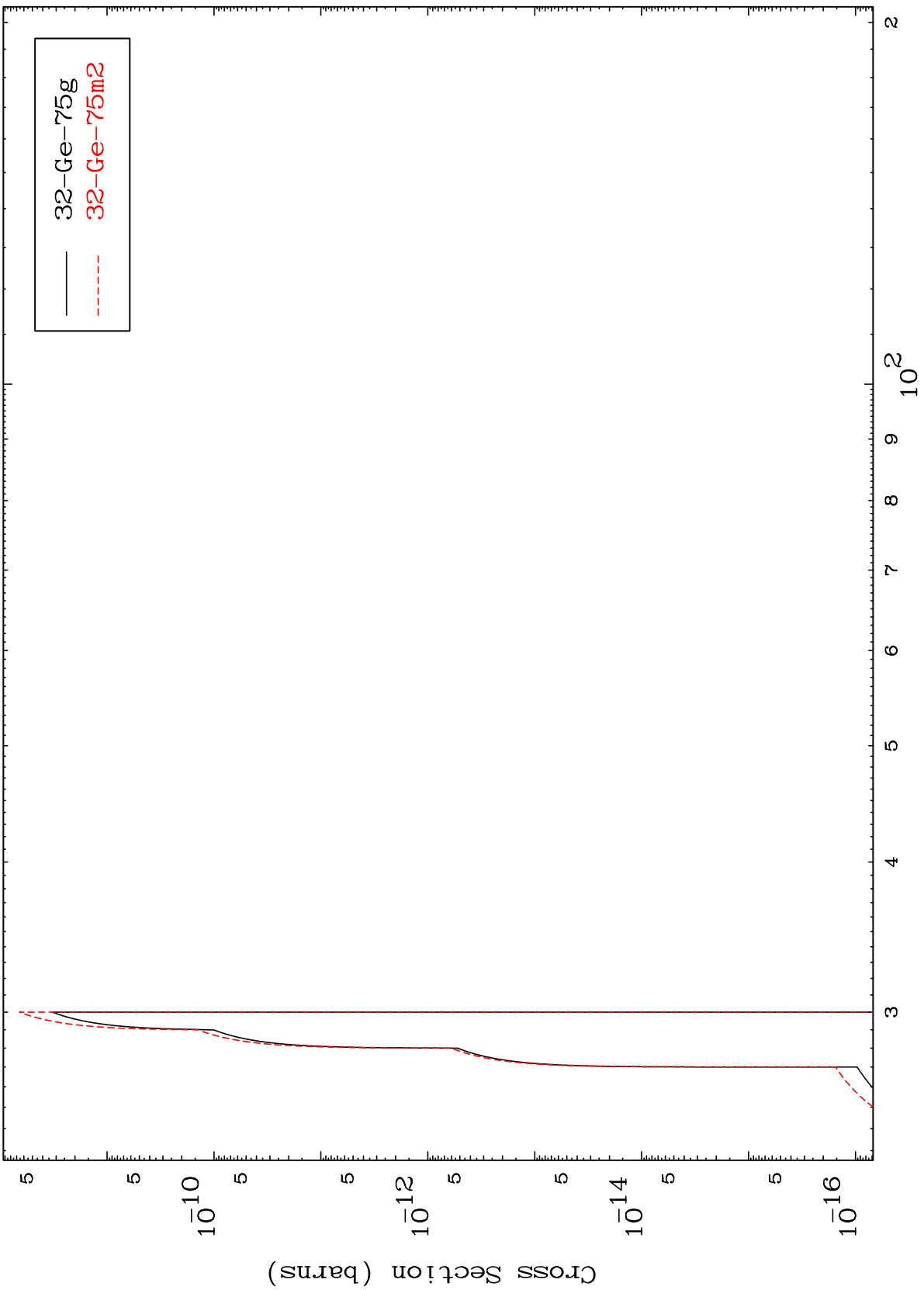
20

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(n,3n)  $\alpha$

34-<sup>Se</sup>-81m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

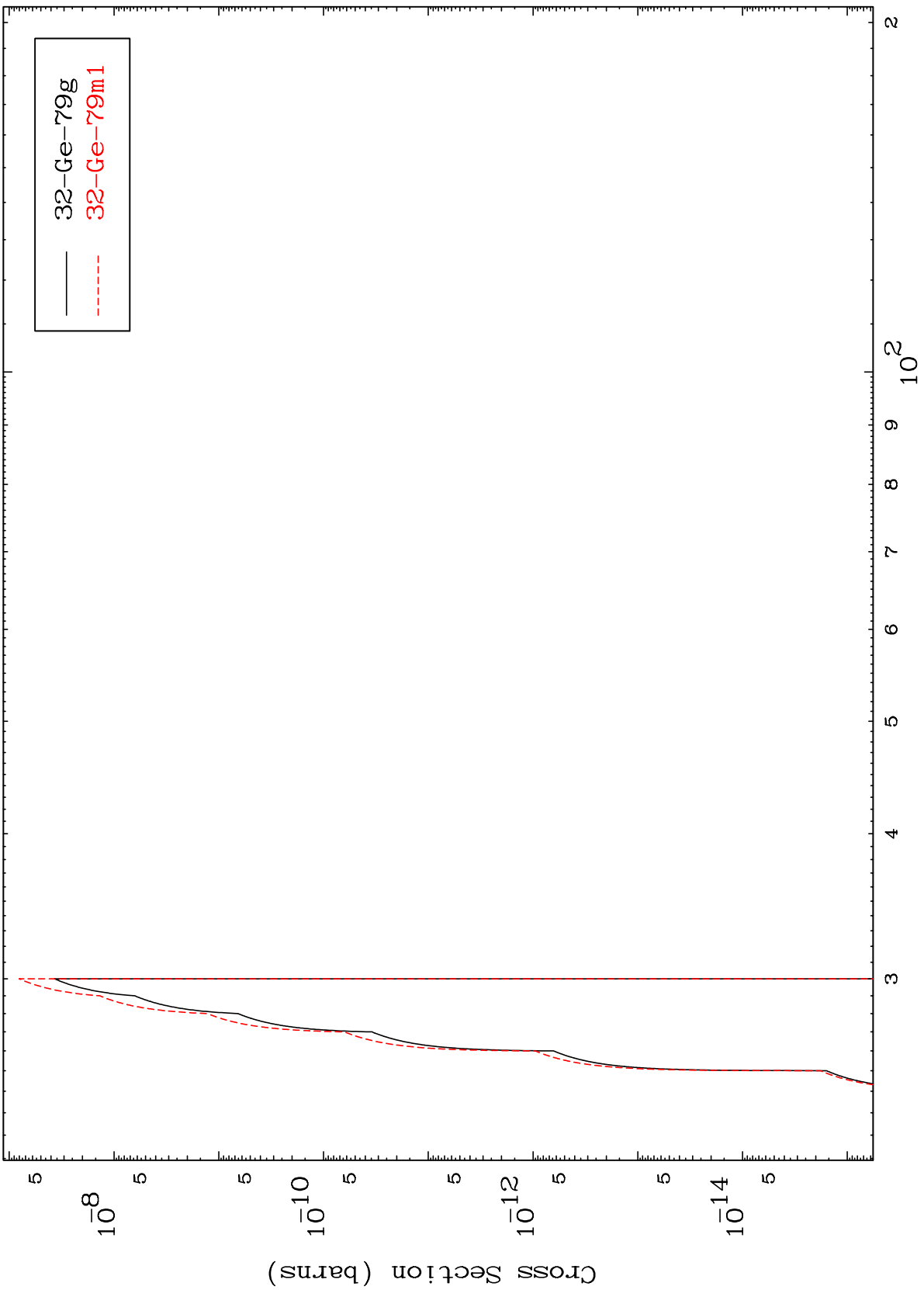
34-<sup>Se</sup>-81m

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(n,2n) p

34-Ge-81m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

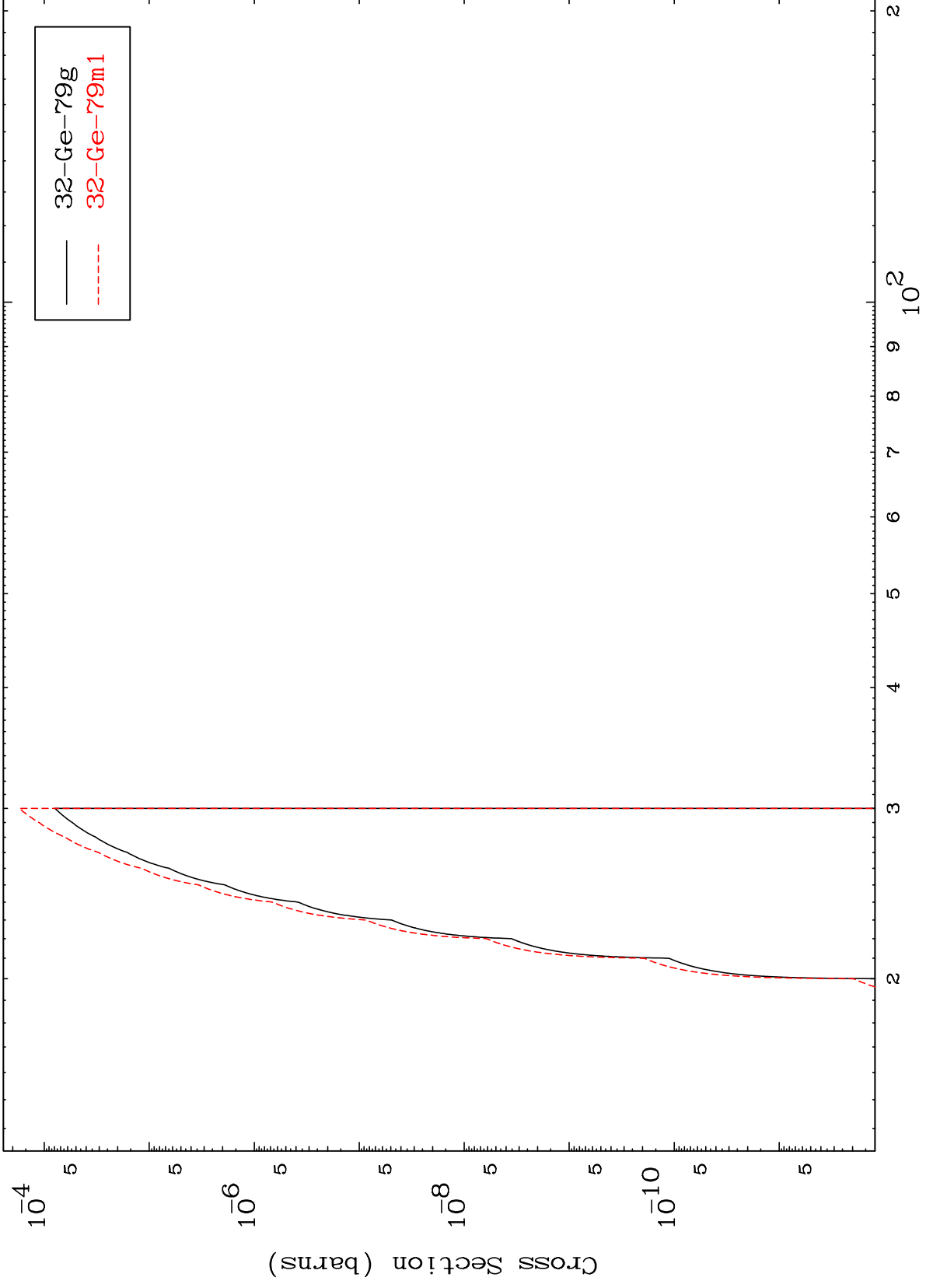
34-Ge-81m

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(n,He-3)

34-Ge-81m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

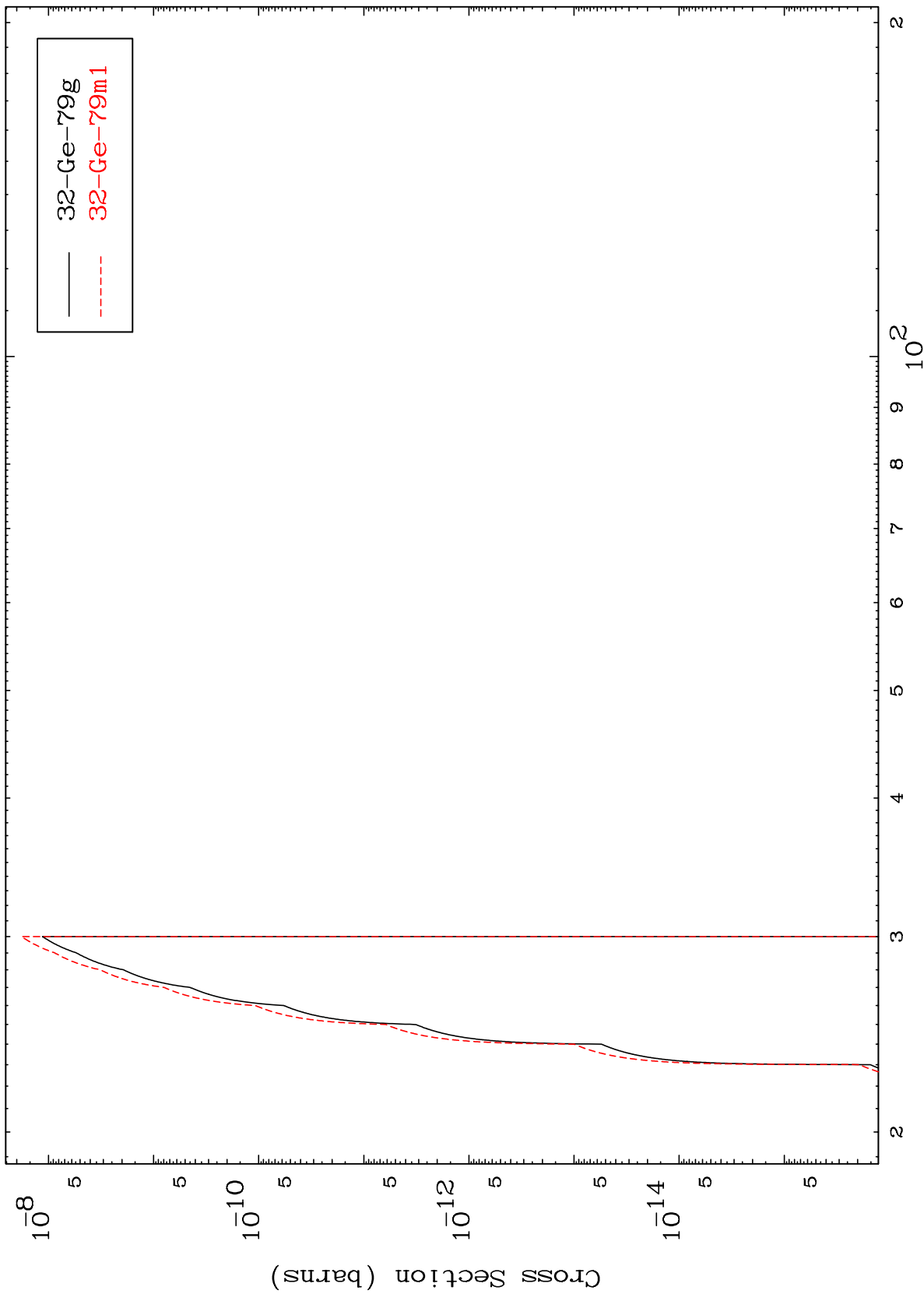
34-Ge-81m

MAT 3447

(n,p) d

34-<sup>Se</sup>-81m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

34-<sup>Se</sup>-81m