



Contribution ID: 95

Type: **Invited talk**

Study of stellar nucleosynthesis using indirect techniques

Thursday, 22 June 2017 16:50 (30 minutes)

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%
% Nuclear Physics in Astrophysics 8 template for abstract
%
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%
% Rename this file to name.tex, where 'name' is the family name
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\documentstyle[11pt]{article}
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% PAGE LAYOUT:
%
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\textwidth=6.3in
\voffset -0.85in
\hoffset -0.35in
\topmargin 0.305in
\oddsidemargin +0.35in
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%\renewcommand{\rmdefault}{ptm} % to use Times font

\long\def\TITLE#1{\Large\bf#1}\long\def\AUTHORS#1{ #1\}[3mm]}
\long\def\AFFILIATION#1#2{1 #2\}
\begin{document}
\small \it Nuclear Physics in Astrophysics 8, NPA8: 18-23 June 2017, Catania, Italy}

\vspace{12pt}

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\begin{center}
%%
%% Title goes here.
%%
\TITLE{Study of stellar nucleosynthesis using indirect techniques }\[3mm]
%%
%% Authors and affiliations are next. The presenter should be
%% underlined as shown below.
%%
\AUTHORS{\u{F} Hammache}

%%
\small \it
\AFFILIATION{{Institut de Physique Nuclaire, IN2P3-CNRS, Universit Paris-Sud, Universit Paris-Saclay, 91406
Orsay, France}}
```

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}
%%
\vspace{12pt} % Do not modify
% Enter contact e-mail address here.
\centerline{Contact email: {\it hammache@ipno.in2p3.fr}}
\vspace{18pt} % Do not modify
\end{center}
%%
%% Abstract proper starts here.
%%
Direct measurements of nuclear reactions of astrophysical interest can be a technical challenge. Alternative
experimental techniques
such as transfer reactions, inelastic scattering and charge-exchange reactions offer the possibility to study
these reactions by using
stable or radioactive beams. In this context, an overview of recent experiments that have been carried out in
Orsay using these indirect
techniques will be given. The experiments concern the study of key reactions occurring in massive stars and
novae.
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{\small
\end{document}
```

Primary author: Dr HAMMACHE, Faïrouz (IPN-Orsay)

Presenter: Dr HAMMACHE, Faïrouz (IPN-Orsay)

Session Classification: Indirect methods 2

Track Classification: Indirect methods in nuclear astrophysics