

# INDC International Nuclear Data Committee

Summary Report

3<sup>rd</sup> Research Coordination Meeting

## **Development of a Reference Database for Particle-Induced Gamma ray Emission (PIGE) Spectroscopy**

IAEA Headquarters  
Vienna, Austria

7 – 11 April 2014

Prepared by

P. Dimitriou  
IAEA Nuclear Data Section  
Vienna, Austria

and

A. Pedro de Jesus  
Centro de Física Nuclear  
Lisboa, Portugal

May 2014

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or to:

Nuclear Data Section  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 Vienna  
Austria

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**Abstract**

The Third Research Coordination Meeting (RCM) of the IAEA Coordinated Research Project (CRP) on “Development of a Reference Database for Particle-Induced Gamma-ray Emission (PIGE) Spectroscopy” was held at the IAEA, Vienna, from 7 to 11 April 2014. Participants reviewed the progress made since the previous RCM and agreed upon the work that remains to be done by the end of the CRP. The contents of the final Technical Document were discussed and individual chapters were assigned. The summaries of participants’ presentations as well as the technical discussions and the list of assigned tasks are included in this report.

May 2014



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### Presentations - PIGE 3. RCM

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2	H.-W. Becker	PIGE Data for Material Analysis from Nuclear Astrophysics and other Sources	<a href="#">PDF</a>
3	M. Chiari	Measurements of proton induced gamma-ray emission cross sections and yields on Al and Na	<a href="#">PDF</a>
4	P. Dimitriou	Charged-particle Cross Sections using SAMMY	<a href="#">PDF</a>
5	A. Goncharov	Measurement of excitation yields of low energy prompt gamma ray from proton bombardment of Cr-foils with energies ranging between 1.0 and 3.0 MeV	<a href="#">PDF</a>
6	O. Kakuee	Recent PIGE measurements at the VDG Lab in Tehran	<a href="#">PDF</a>
7	A. Lagoyannis	Cross section measurements of the $^{10}\text{B}(p,p'\gamma)^{10}\text{B}$ , $^{10}\text{B}(p,\alpha\gamma)^7\text{Be}$ and $^{11}\text{B}(p,p'\gamma)^{11}\text{B}$ reactions in the energy range between 2.5 to 5 MeV	<a href="#">PDF</a>
8	I. Bogdanovic	PIGE measurements at the Ruder Boskovic Institute	<a href="#">PDF</a>
9	J. Raisanen	Gamma-ray production cross sections of proton irradiated nitrogen	<a href="#">PDF</a>
10	A. Pedro de Jesus	ERYA - Profiling Gamma-ray Depth Analysis	<a href="#">PDF</a>
11	A. Zucchiatti	Measurement of gamma production in thin LiF targets at CMAM	<a href="#">PDF</a>

### Presentations - Joint Session of Nuclear Data and Physics Section, Wednesday, 9 April, 14:00-17:00

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3	A. Simon	Improving the Quality of Analytical Data Measured	<a href="#">PDF</a>
4	N. Barradas	Nuclear Data Needs for IBA	<a href="#">PDF</a>
5	C. Jeynes	The Uncertainty of EBS Scattering Cross-Section Functions	<a href="#">PDF</a>
6	A. Pedro de Jesus	From Cross Section Data to PIGE Bulk Analysis	<a href="#">PDF</a>





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Nuclear Data Section  
International Atomic Energy Agency  
Vienna International Centre, P.O. box 100  
A-1400 Vienna, Austria

E-mail: [nds.contact-point@iaea.org](mailto:nds.contact-point@iaea.org)  
Fax: (43-1) 26007  
Telephone: (43-1) 2600 21725  
Web: <http://www-nds.iaea.org>

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