

Technical Report 1 – Work package 12 (APAPES Administration)

SUMMARY OF APAPES RESEARCH COLLABORATORS

**Table 1. Participants with work contracts**

| Name                     | Capacity                                  | Affiliation   | Contributing Period | contribution  |  |
|--------------------------|---|---|---------------------|---|--|
| Prof. Theo Zouros        | APAPES leader and project coordinator     | Univ. of Crete, Physics Dept.                                 | 2012-2015           | Administration, research on all APAPES subprojects  |  |
| Mr. Ioannis Madesis      | PhD student                               | Univ. of Crete, Physics Dept.                                 | 2013-2015           | Part of PhD thesis research   |  |
| Dr. Anastasios Dimitriou | UoC Post Doctorate fellow                 | Univ. of Crete, Physics Dept.                                 | 2013-2015           | Post doc  |  |
| Dr. Bela Sulik           | Invited Scientist - Research collaborator | ATOMKI, Debrecen, Hungary                                     | 2014-2015           | Helped with research, two visits to Demokritos  |  |
| Mr. Aggelos Laoutaris    | MS student                                | Athens Polytechnic SEMFE                                      | 2014-2015           | Part of Master's thesis research  |  |
| Prof. Theo Mertzimekis   | Research collaborator                     | Univ. of Athens, Physics Dept.                                | 2013                | Contributed to the initial stages of beam line design and accelerator optics                        |  |
| Prof. Manolis Benis      | Research collaborator                     | University of Ioannina, Physics Dept.                         | 2012-2015           | Participation throughout the entire project with many visits to Demokritos for scheduled beam times |  |
| Prof. Omer Sise          | Research collaborator                     | Faculty of Education, Suleyman Demirel Univ., Isparta, Turkey | 2014-2015           | SIMION simulations - lens optimization, measurements  |  |
| Prof. Michalis Kokkoris  | Program Evaluator                         | Athens Polytechnic SEMFE                                      | 2015                | Wrote official evaluation report on APAPES  |  |

**Table 2. Participants with technical support contracts**

| <b>Name</b>               | <b>Capacity</b>  | <b>Affiliation at the time</b>            | <b>Contributing Period</b> | <b>contribution</b>   |  |
|---------------------------|--|---|----------------------------|---|--|
| Mr. Giannis Gennarakis    | BS student   | Univ. of Crete, Physics Dept.             | 2012-2013                  | Part of BS thesis   |  |
| Dr. Ivan Valastyán        | Technical support – data acquisition system                        | ATOMKI, Debrecen, Hungary                 | 2014-2015                  | DSL card and MCP2 program for taking data                               |  |
| Mr. Tasos Kanellakopoulos | Technical Support with SIMION                                      | Univ. of Athens, Physics Dept.            | 2013-2014                  | Computed first lens optimization voltages using SIMION                  |  |
| Ms. Myrto Assimakopoulou  | Technical Support with stripping program development               | Univ. of Athens, Physics Dept.            | 2013-2014                  | Modified existing stripping program and added user interface            |  |
| Mr. Nikos Angelinos       | Technical Support with SIMION geometry files                       | Univ. of Crete, Physics Dept.             | 2013                       | Build first geometry files for SIMION simulation of lens and HDA        |  |
| Mr. Spyros Doukas         | Technical Support with SIMION solid angle Monte Carlo calculations | Univ. of Ioannina, Material Science Dept. | 2014-2015                  | Calculated the effective solid angle for metastable states using SIMION |  |

**Table 3. Participants without contracts**

| <b>Name</b>              | <b>Capacity</b>                                    | <b>Affiliation</b>                             | <b>Contributing Period</b> | <b>contribution</b>   |  |
|--------------------------|--|--|----------------------------|---|--|
| Dr. Nikos Tsoupas        | Specialist on beam line optics for heavy ion beams | BNL  | 2012                       | First study of beam emittance and ion beam optics   |  |
| Dr. Sotiris Harissopulos | Tandem operation and external user issues          | Director of Tandem and Director of INPP (2015) | 2012-2015                  | Overlooked the whole participation of the tandem accelerator group and various issues involving APAPES use of the accelerator |  |
| Dr. Tasos Lagoyannis     | Researcher at the INPP, permanent staff            |  | 2012-2015                  | Worked on APAPES aspects involving the tandem accelerator   |  |
| Dr. Michalis Axiotis     | Postdoc at the INPP                                |  | 2012-2015                  | Worked on APAPES aspects involving the tandem accelerator   |  |
| Mr. Miltos Andrianis     | Tandem accelerator engineer and operator           |  | 2013-2015                  | Worked on APAPES aspects involving the tandem accelerator   |  |
| Mr. Manos Tzombanakis    | Machine shop permanent staff                       |  | 2013-2015                  | Contributed with machine shop constructions   |  |

## **Acknowledgments**

This research has been co-financed by the European Union (European Social Fund ESF) and Greek national funds through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) Research Funding Program: THALES. Investing in knowledge society through the European Social Fund, grant number MIS 377289.