

The Applications of Particle Accelerators in Europe (APAE)

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Originally developed to investigate the fundamental laws of nature, particle accelerators accelerate charged particles to incredibly high speeds before using them for a variety of purposes. Today, accelerators are far more than a tool for fundamental research and their significant role in industry and society means that they have a very important, but often unseen, impact on our everyday lives.

Over 30,000 particle accelerators are in use all over the world. In fact, until recently, most people had one in their sitting room. They allow beams of particles to be produced and used for a range of applications in a number of different areas, including health, industry, energy production, security and environment.

The key questions when we start to think about the project: "The Applications of Particle Accelerators in Europe (APAE)" are: Why we need the accelerators? Where are they? What will be the impact of particle accelerators on tomorrow's society? What are the needs for the future? etc.

The aim of the project is to create a European document equivalent of the "Accelerators for America's Future", but focused on applications of interest in Europe and for which technology developed for research can have an impact. The document it is intended for policy makers, as a result, it will be in two parts: an executive summary, focussing on the main issues for each country and in the correct language and a supporting document in English. WP4 of EUCARD2 is organizing the project.

If a proceedings is prepared, will you submit a contribution?

yes

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