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New trends in nuclear physics applications

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Nuclear physics applications cover a wide variety of domains such as energy, health, security, environment, material science or cultural heritage. During the last decade, nuclear physicists have demonstrated a growing interest for applications. This interest was driven either by the need of more precise nuclear data for instance for nuclear energy and medical applications, or by new opportunities offered by the availability of new facilities or progress in detection techniques which could be applicable in various fields. In this talk, a review of recent achievements and new trends in applied nuclear physics will be presented with an emphasis on applications related to the use of radioactive isotopes or radioactive-ion beams.

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