

Test targets for J-PET experiments with medicine and physics

Sunday, 10 October 2021 10:00 (20 minutes)

J-PET, as a total body PET device, gives an opportunity to perform additional investigations in medicine, that couldn't be performed with the use of standard PET detectors. It can be also used as new research device for physics. However, these both aspects are very challenging because many difficulties and artifacts that requires explanation and overcoming. Therefore, various chambers and targets need to be used at particular stages of testing and development. The overview of chambers dedicated for J-PET will be presented with the emphasis of various problems encountered during the research, as well as the solution of each one. The future plans for creating the chambers required for the further stages of research will be also discussed.

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Session Classification: Sunday Morning Session