In-beam PET imaging and range verification using positron-emitters of carbon produced by the FRS fragment separator of GSI

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My poster is about:

- Why radioactive beams can be preferable over the stable ones for the therapy purposes?
- Beams of which positron emitters would be favorable for therapy in terms of “in-beam” verification of activity range?

- Experiment with $^{10,11,12}C$ beams at the FRS fragment separator
- Positron-emission tomography (PET) imaging of carbon isotopes
- Precision of PET activity range and its dependence on the number of implanted ions