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Experiment Title            test for the alpha beam purity  
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Short presentation of the scientific project  
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One step in the nuclear astrophysics experiment preparation is to find out if the beam contamination may affect the experiment results.

Beam time request(unit=8 hours) : 12  
Desired Period                   : after the alpha ion source was tested to a good performance

Desired beam properties  
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Type                         : alpha  
Energy(MeV)                 : 8-24MeV  
Intensity(p/nA)             : 20pnA  
Vacuum Requests             : 10(-7)

Special requirements for detectors, electronics,aquisition system  
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DE-E (ionization chamber + Si detector)  
4th beam line

Minimal information needed for the radiological risk evaluation:  
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a)Source activity            : no  
b)Use of open sources       :  
c)Estimate of the residual activity as a result of irradiation : no  
d)Means of storage/transportation for irradiated targets       :