
Experiment Title AMS depth profiling of hydrogen isotopes in
divertor tiles
from JET tiles and investigation of W deposition techniques and gas
inclusions.

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Short presentation of the scientific project

The scientific project runs under the Euratom contract JW 10-FT-60. In
this
experiment complete distribution of the hydrogen retention in carbon
protection
tiles from the JET divertor system is the main task assumed. Further on ,
inclusions of
gases (d,t) during W and Be deposition techniques will be measured in
order to
simulate modifications that could occur in the ITER Wall.

Beam time request(unit=8 hours) : 20
Desired Period : 10 November 2010

Desired beam properties

Type : 14C
Energy(MeV) : 8 MeV
Intensity(p/nA) :
Vacuum Requests : 10E-6

Special requirements for detectors, electronics, acquisition system

no requested

Minimal information needed for the radiological risk evaluation:

a)Source activity : not applicable
b)Use of open sources :
c)Estimate of the residual activity as a result of irradiation : zero
d)Means of storage/transportation for irradiated targets :