

# NMR probes for SM1 & SM2

for SM1: **not possible !**

- required field homogeneity:  
*< 1500 ppm/cm*
- best spot (simulation!):  
*~ 0.01T/cm  $\hat{U}$  18000 ppm*
- additional problem:
  - only center of magnet was mapped

for SM2: **still installed**  
(**BUT** not (yet?) connected to DCS)

- field measured during last years run (example):  
**1.594155 T**  
 **$\pm 0.000005$  T**  
(Teslameter  
Accuracy: < 5ppm;  
Stability: < 0.05ppm over 3 days)
- field map read out:  
**1.57948 T**  
 **$\pm 0.00005$  T**  
(error due to positioning of probe)