

REMARKS ON GANTRIES:

The motivations for SC gantry REMAIN:

Weight,

New beam optics → new (better!) irradiation procedures

Try to achieve as well: smallersize

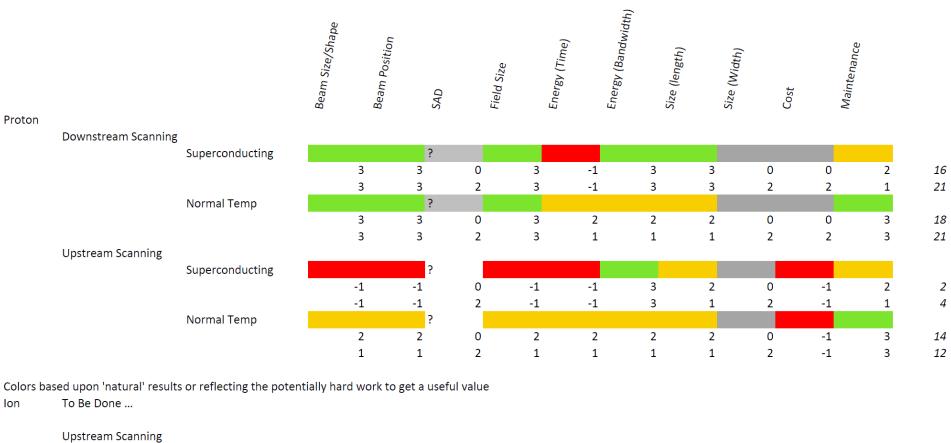
lower price

easy operaton/service

What is the best Sc-material? NbTi, Nb3Sn, MgB2, YBaCuO?

What are the implications of this choice have on the design of the magnet (coil)?

Upstream <-> downstream



-			
Advantages		Disadvantages	
	?Larger SAD?		Beam size dependence
	?Smaller Radius?		Non linear position
	?Nozzle IC pos = ISO pos"		Magnet mismatch (timing/settling)
			Worse with superconducting field?
			Field size
Superconductivity			
Advantages		Disadvantages	
	?Smaller dipole radius?		Overall size not changed (depending on upstream or downstream scanning)
	?reduced power?		"Increased?" system power
	Larger momentum bandwidth		Slower momentum change
			Large aperture complexity
			Maintenance (time)
			?Noise?



WORKSHOP EVALUATION:

Good interaction with firms?

Focus on a specific gantry theme should be kept.

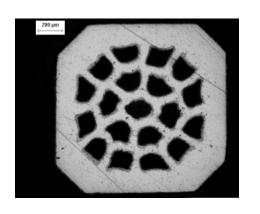
possible gantry themes: integration with imaging,

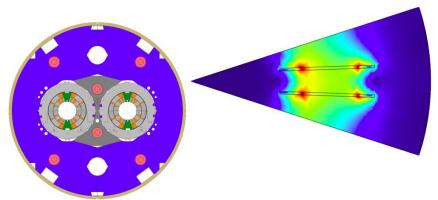
efficient QA

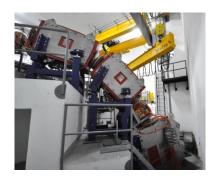
This workshop is held in the framework of EuCARD2:

- Next workshop in 1.5 2 yr. EuCard2? Where?
- Program will end in April 2017 → EuCard3?
- Possible topics for a follow-up program?
 - Support of inter-institutional communication (workshop)
 - Specific work package (PhD position)



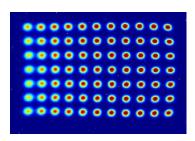






Many thanks to all speakers and attendees for making this workshop a big success!









Visiting tour Center for Proton Theray













Gantry 2David Meer

Tour guide

- Oxana Actis,
 starts at Preparation / Gantry 1
- Alexander Gerbershagen, starts at Gantry 2
- Serena Psoroulas, starts at OPTIS2
- Stéphane Sanfilippo, starts at Gantry 3

Each station 20 minutes