

NEW PROPOSAL FOR ILD COIL

- Decision on 4 February to increase the coil thickness from 350 to 450 mm to cope with the stored energy of 2.7 GJ @ 4 T
- Terminology: coil = winding + mandrel
- Proposal:

Parameter	Old design	New design
Total coil thickness (mm)	350	450
Winding thickness (mm)	300	385
Number of layers in winding	4	5
Mandrel thickness (mm)	50	65
Overall bare conductor dimensions (mm ²)	73 * 22	75 * 28
Total number of turns	1240	1225