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Possible Civil Engineering Layouts for : (as discussed Chris Adolphsen, Max Klein, Frank Zimmermann 16 Oct 09)

- Pulsed machine 60 GeV
- 60 GeV Energy Recovery Linac
- 140 GeV pulsed Machine

LHeC design meeting 16 Feb 2010 : J.Osborne GS-SEM

THECC Pulsed machine 60 GeV





Pulsed machine 60 GeV - Top view



Pulsed machine 60 GeV - Top view





J.	LHC tunnel LHC tunnel LHeC		
Alice		Ø	Length
	Tunnels	3.8m	6′000m
	Cavern	10m	1x10m
	Caverns	10m	5x20m
	Shafts	9m	4x50m

Pulsed machine 60 GeV - Top view

IHEC

60 GeV Energy Recovery Linac Or 140 GeV pulsed Machine

J.Osborne / A.Kosmicki - February 3rd 2010







K_A



60 GeV Energy Recovery Linac = 2 shafts Or 140 GeV pulsed Machine = 4 shafts





50 GeV Energy Recovery Linac Or 140 GeV pulsed Machine