

LHeC



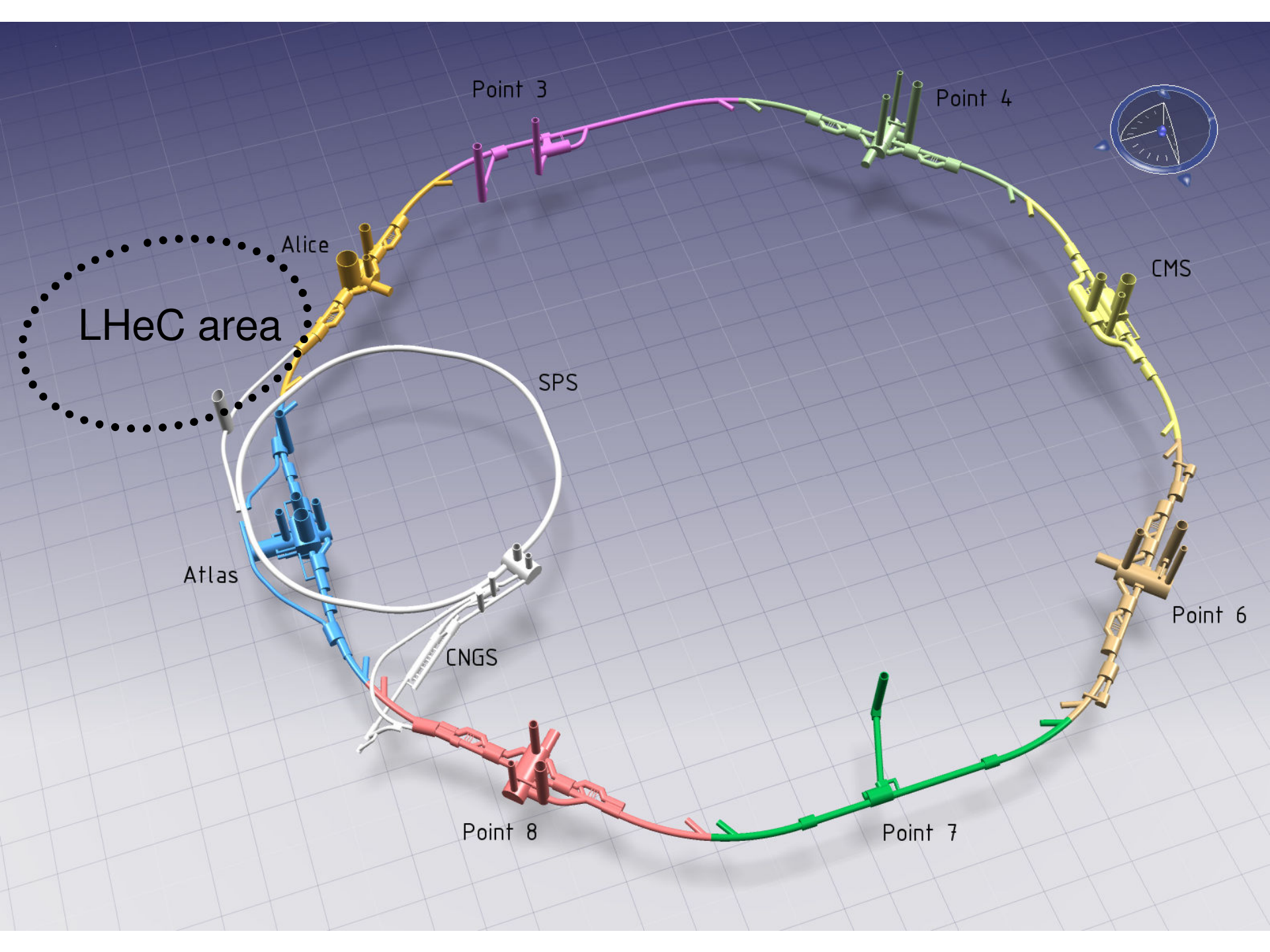
Possible Civil Engineering Layouts for :
(as discussed Chris Adolphsen, Max Klein, Frank Zimmermann 16 Oct 09)

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

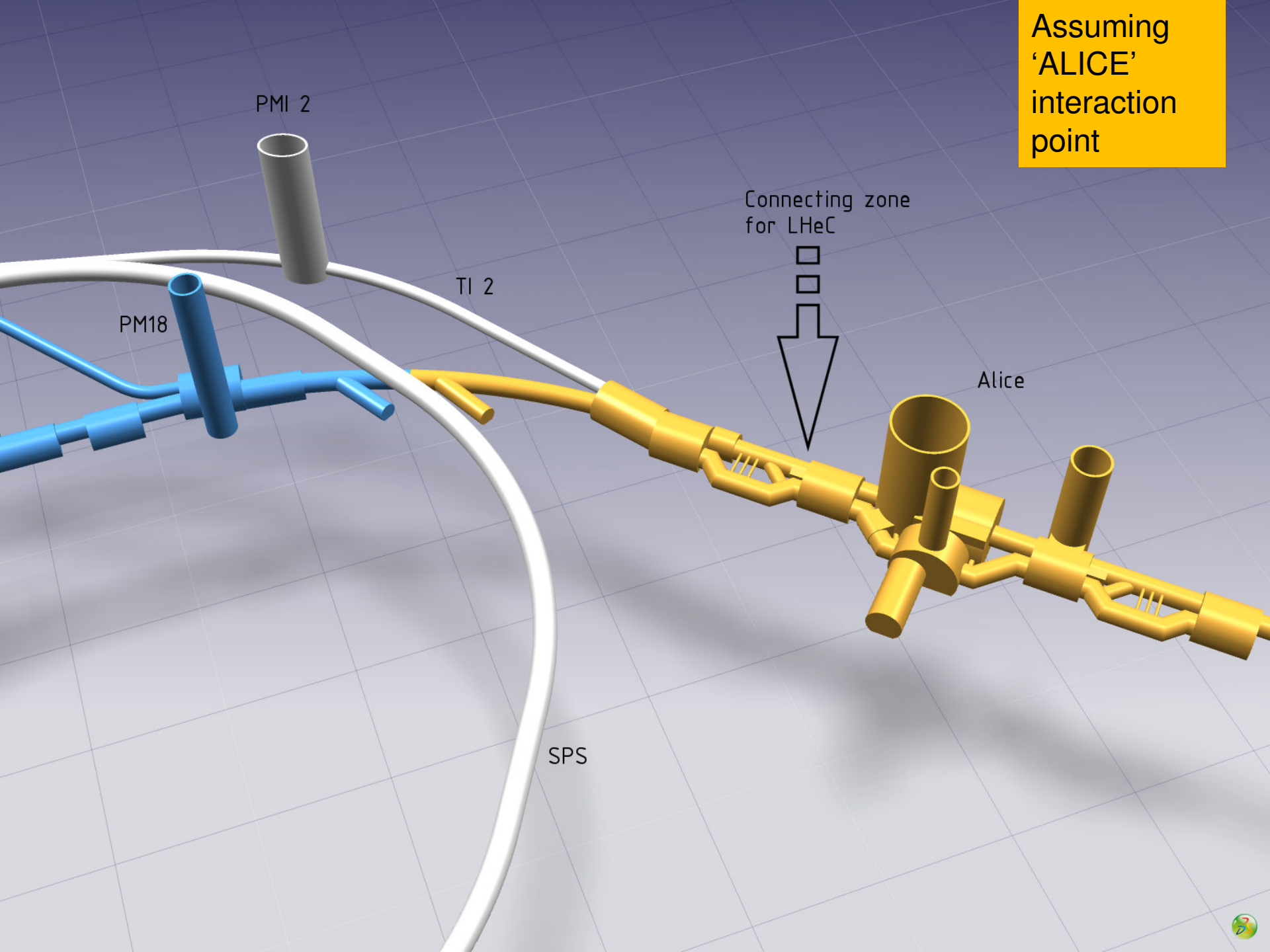
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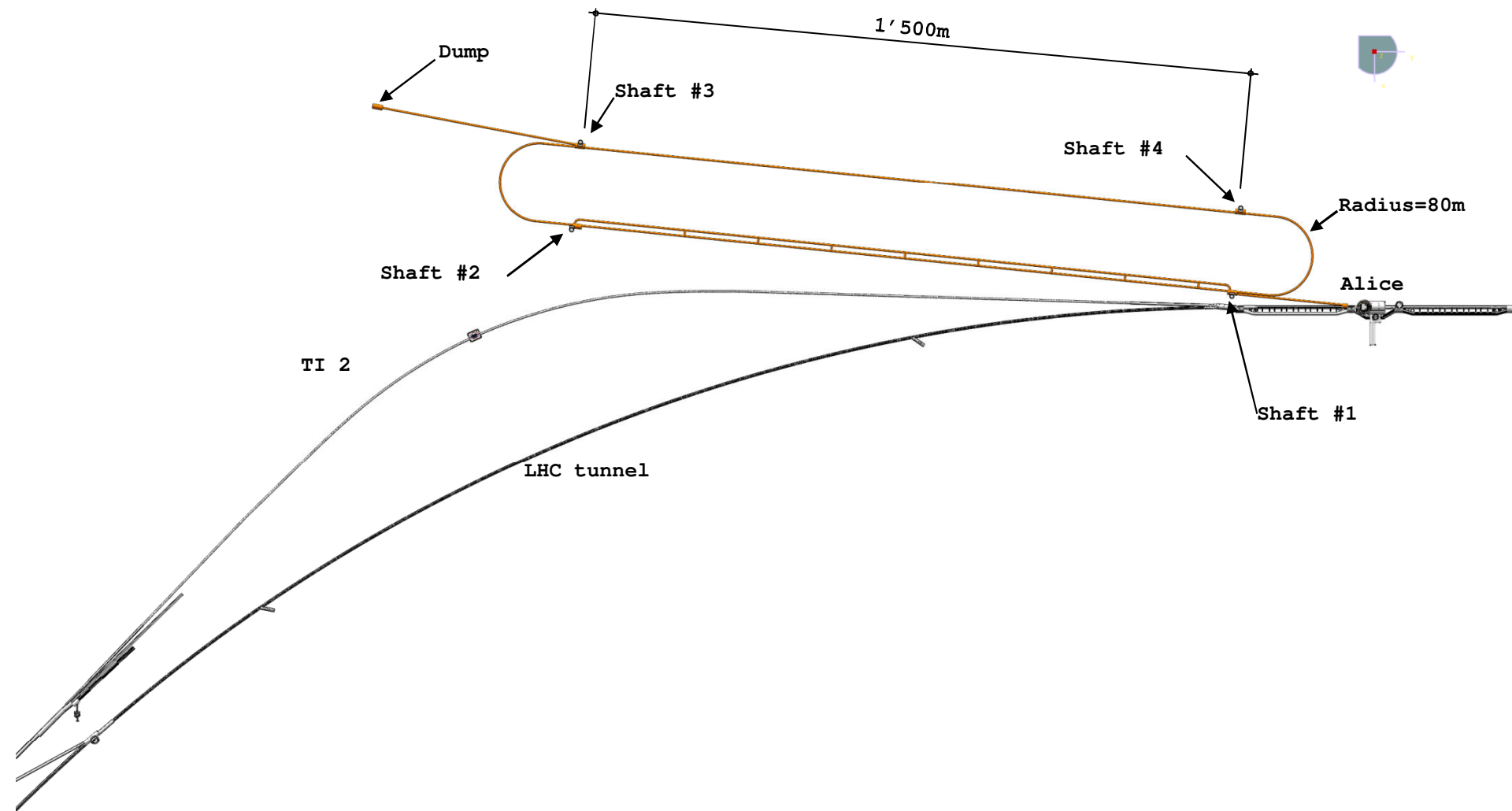
Pulsed machine 60 GeV



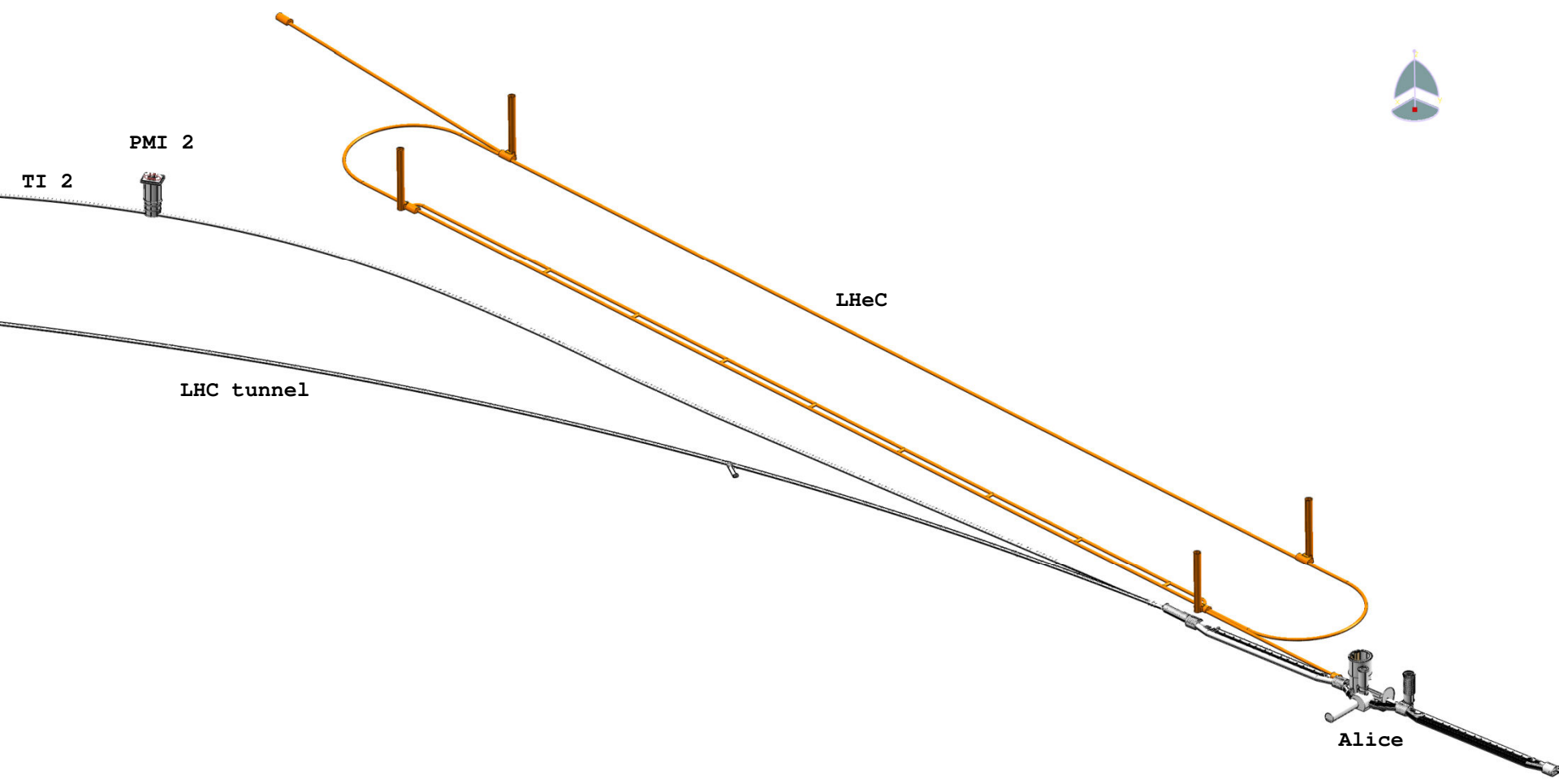
Assuming
'ALICE'
interaction
point

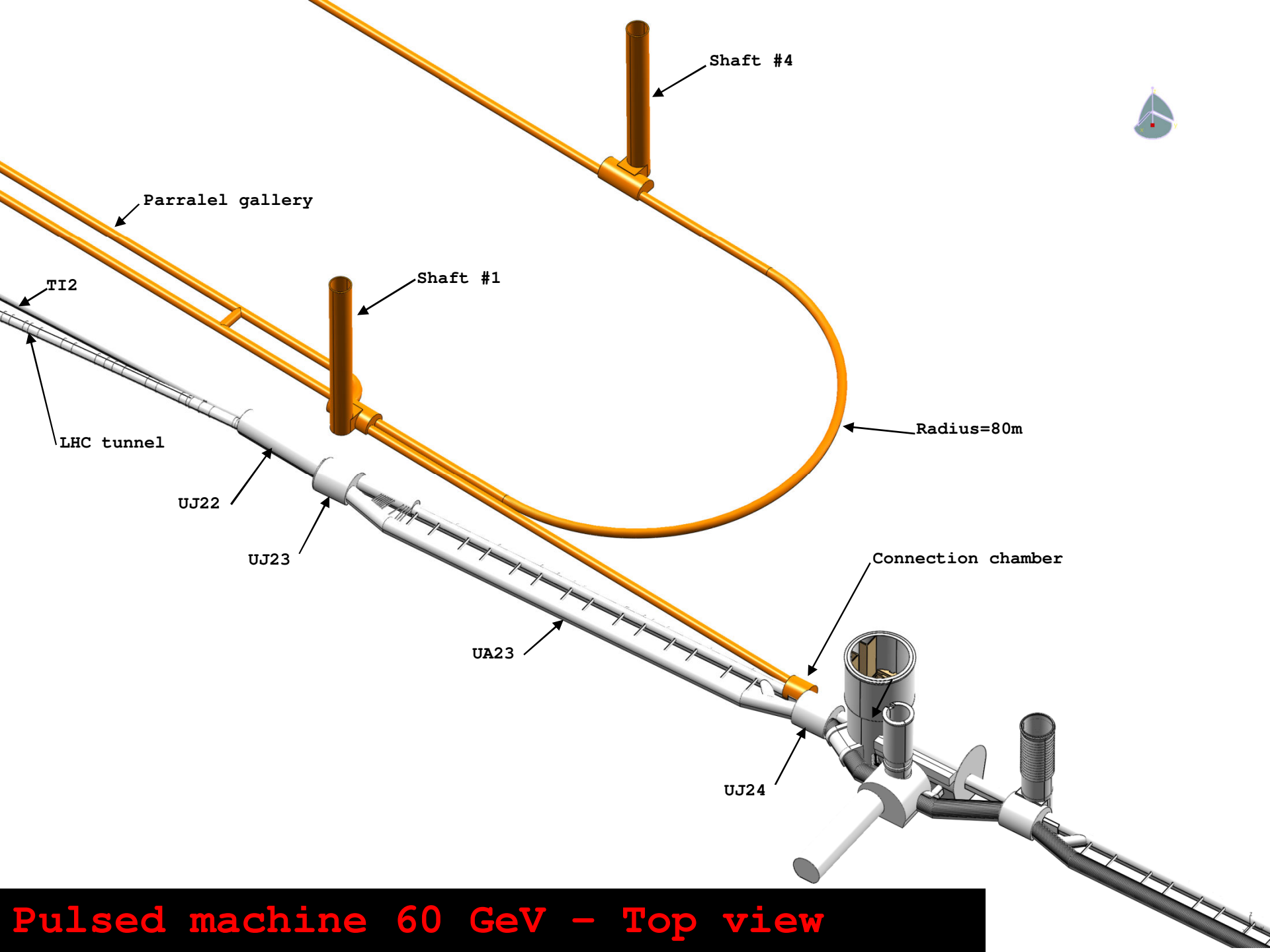


Pulsed machine 60 GeV - Top view

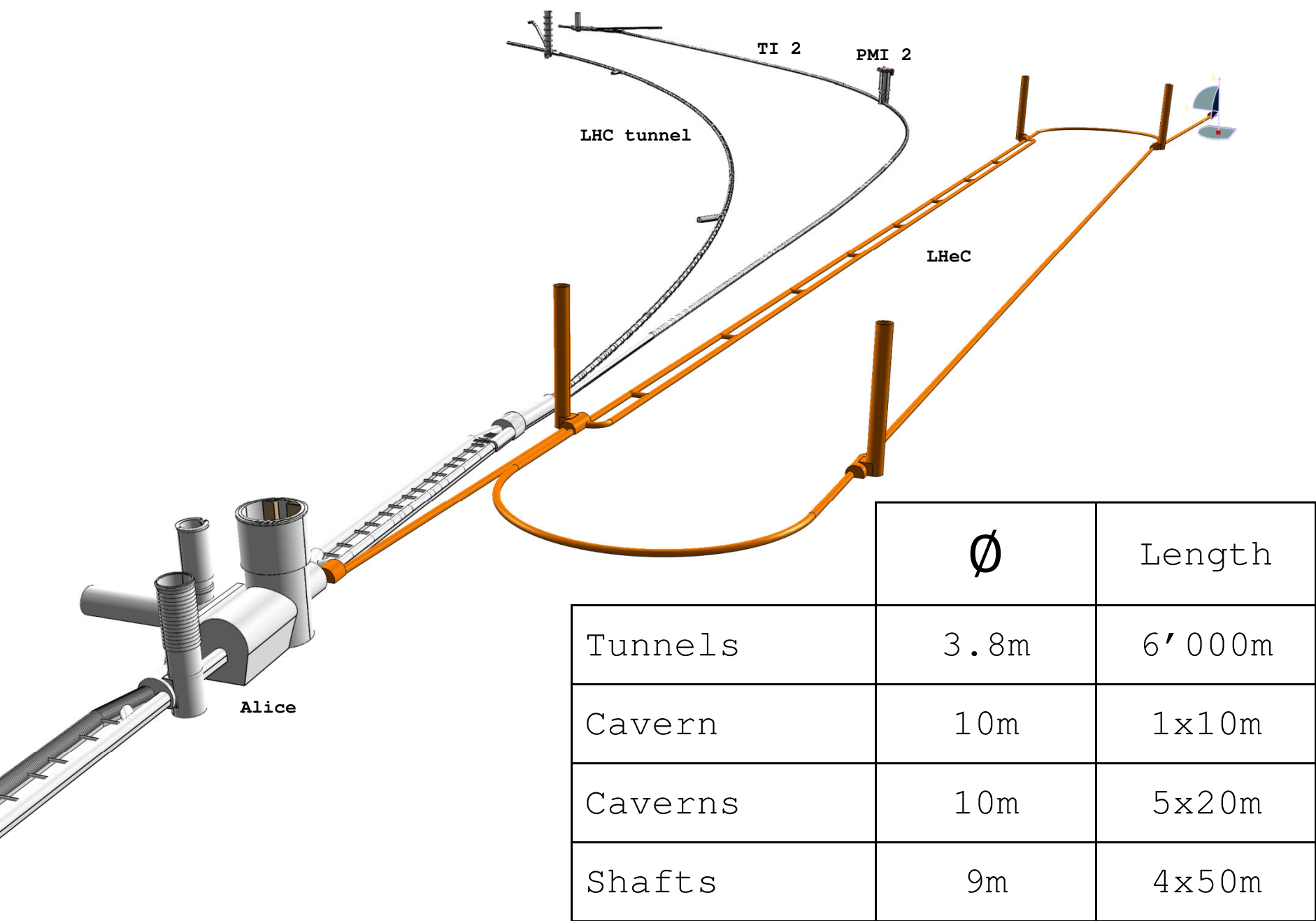


Pulsed machine 60 GeV - Top view





Pulsed machine 60 GeV - Top view

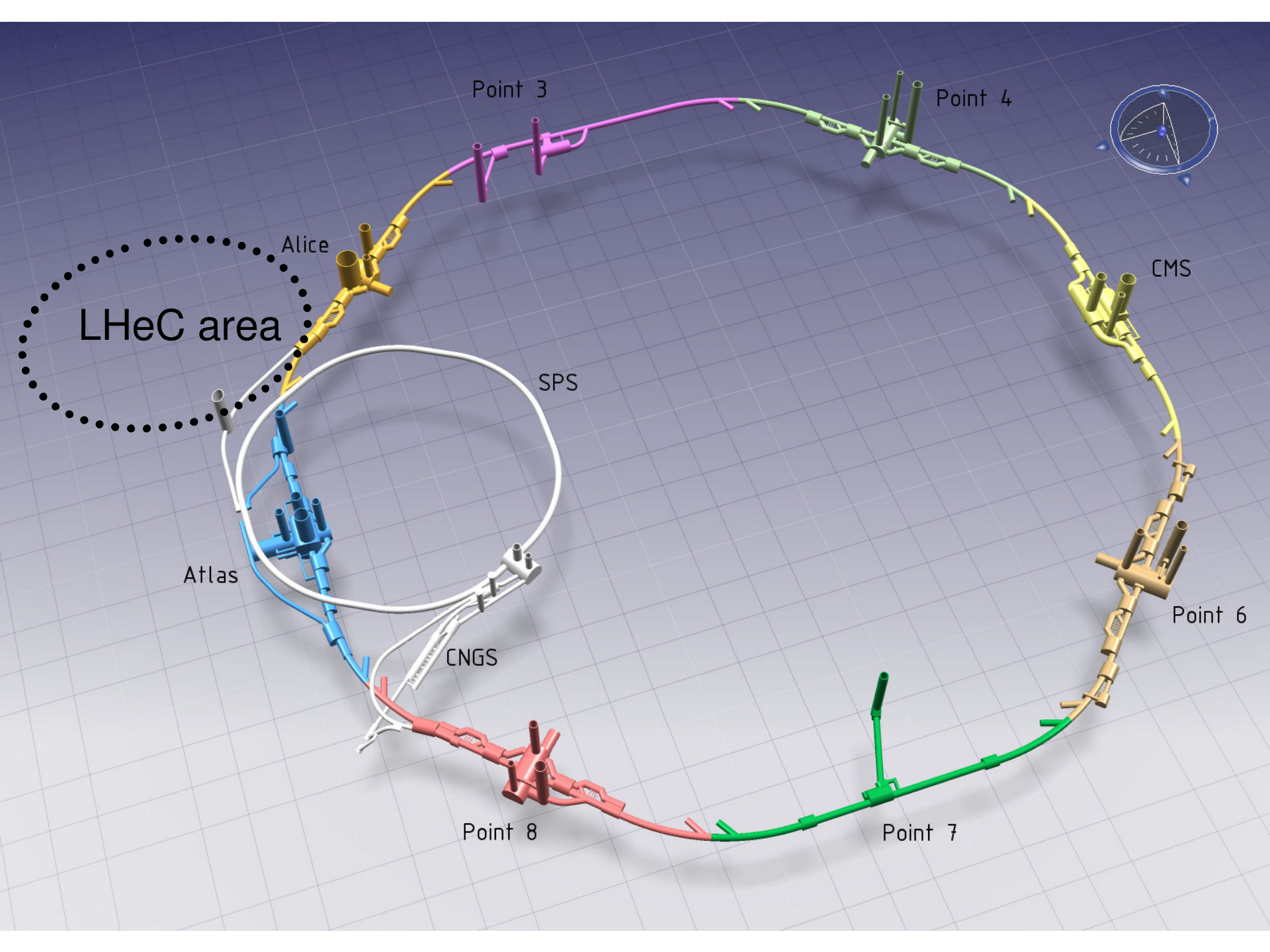


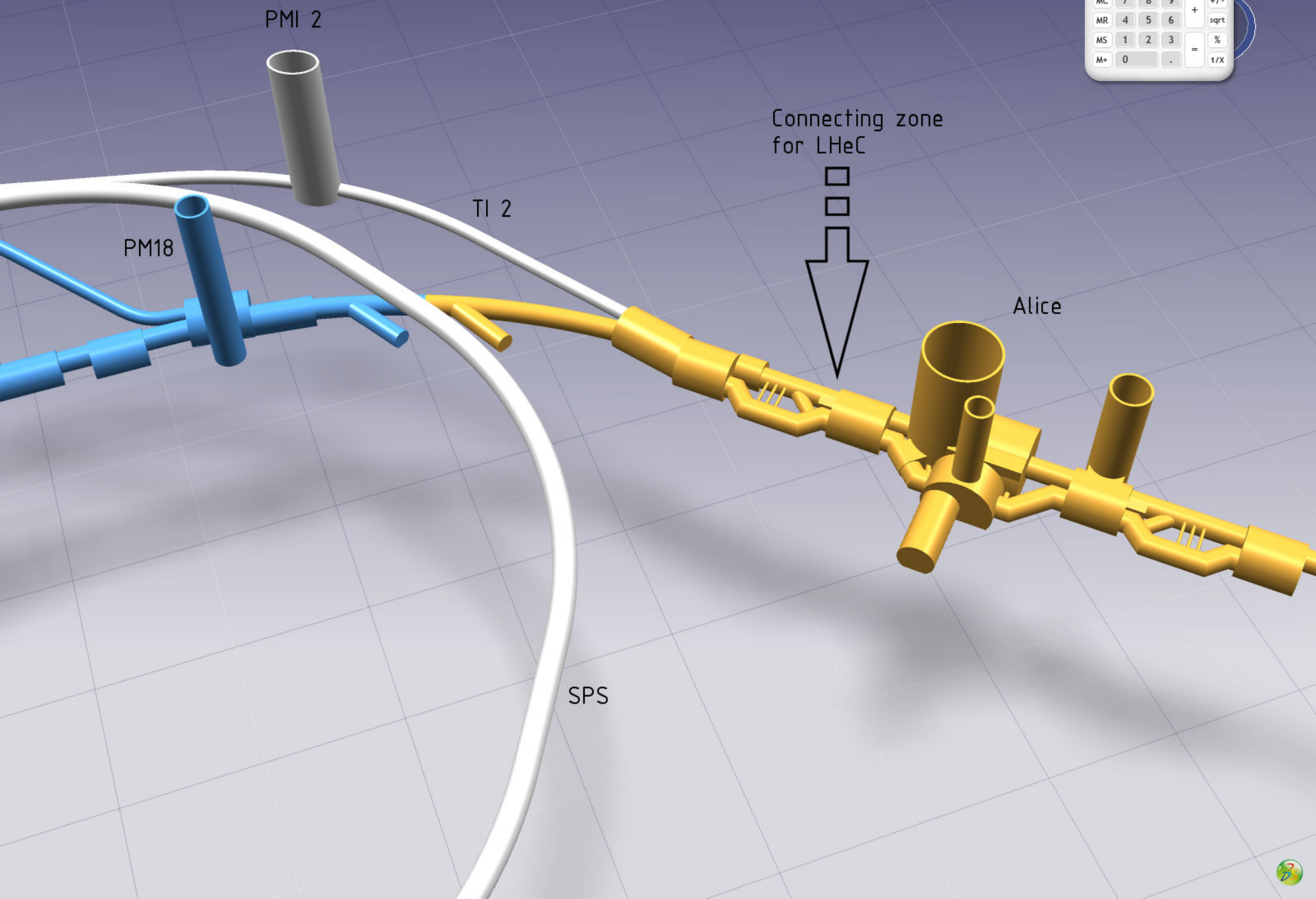
Pulsed machine 60 GeV - Top view

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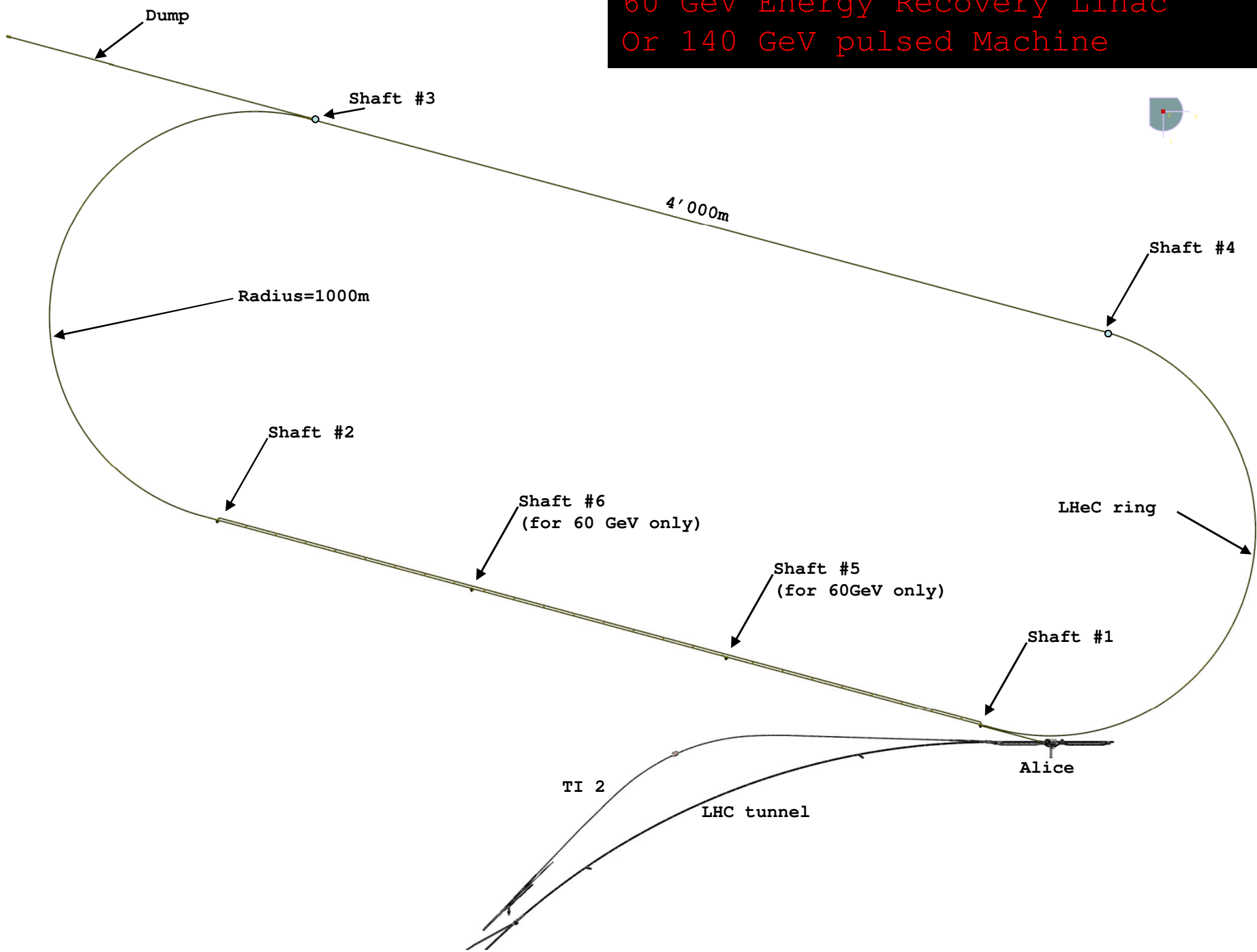


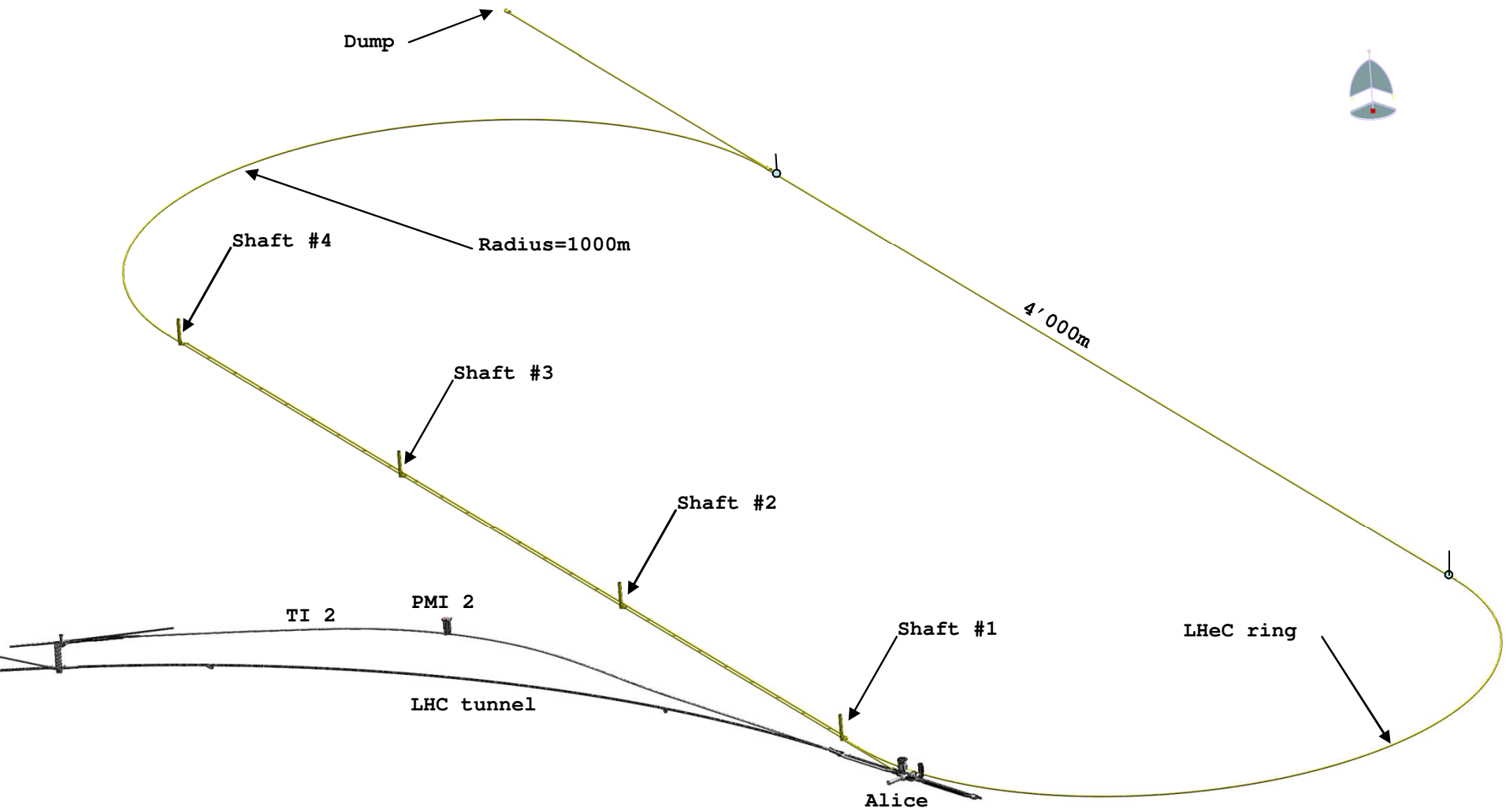
60 GeV Energy Recovery Linac
Or 140 GeV pulsed Machine





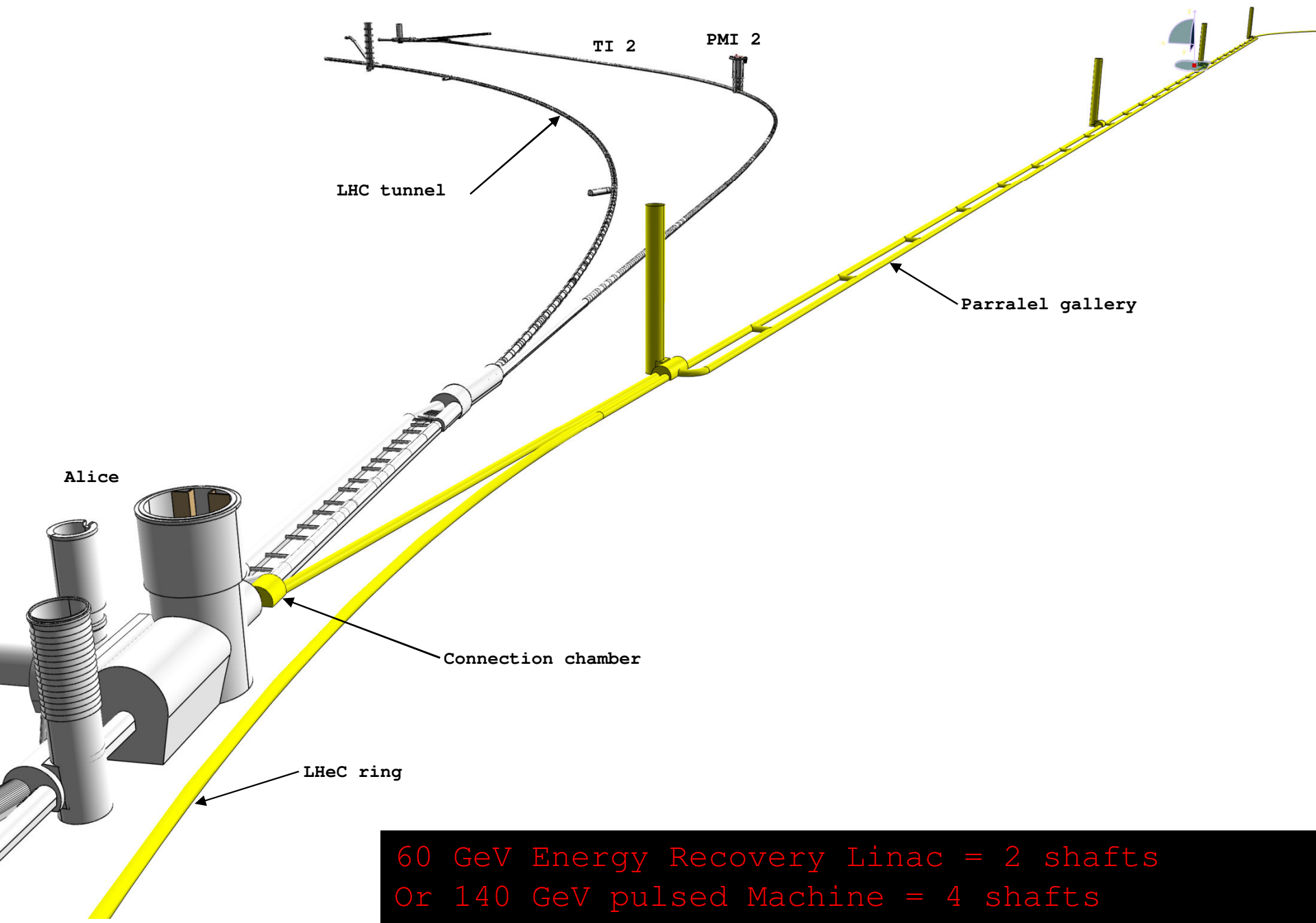
60 GeV Energy Recovery Linac Or 140 GeV pulsed Machine



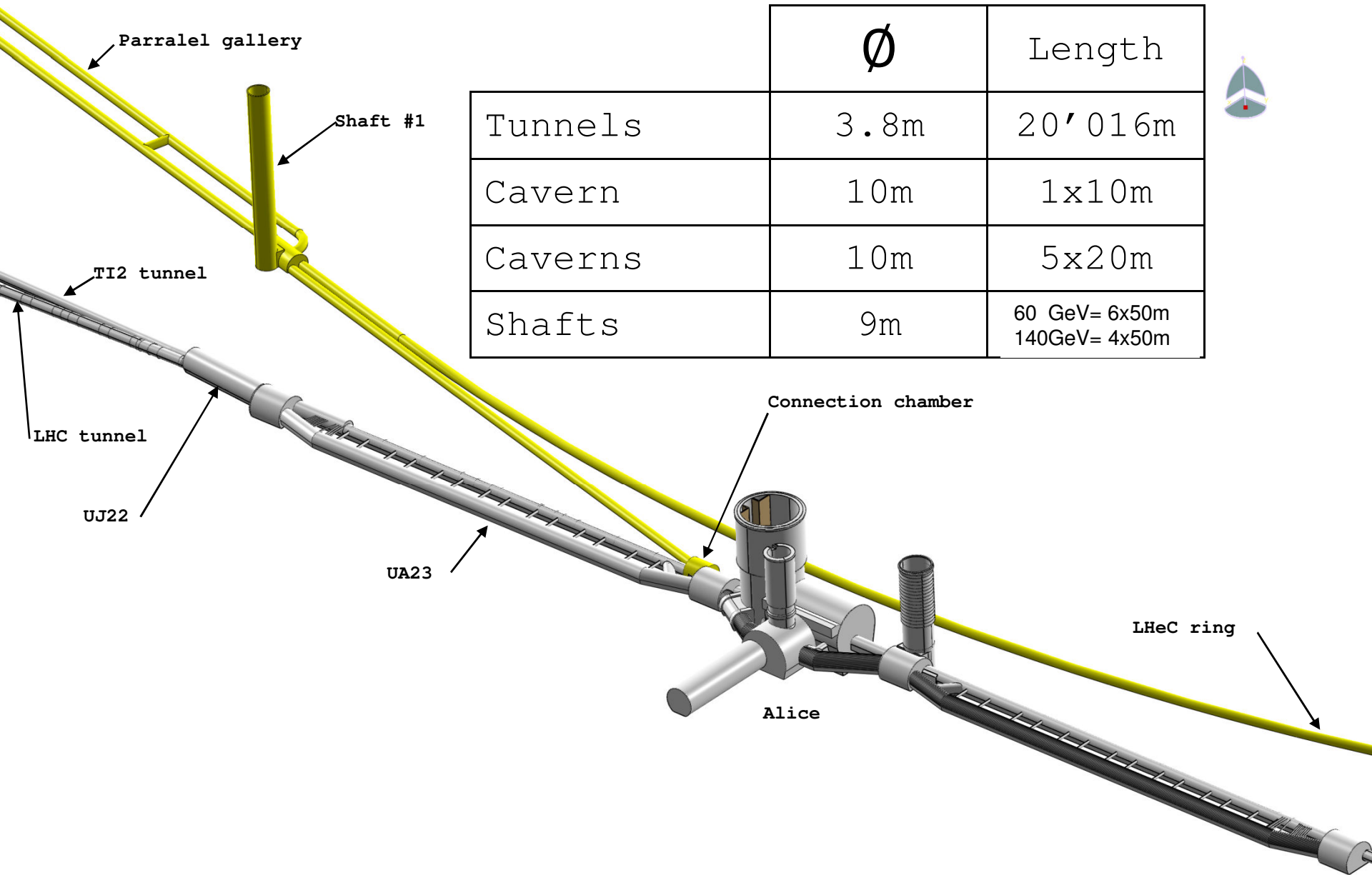


60 GeV Energy Recovery Linac = 2 shafts
 Or 140 GeV pulsed Machine = 4 shafts





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



60 GeV Energy Recovery Linac
Or 140 GeV pulsed Machine