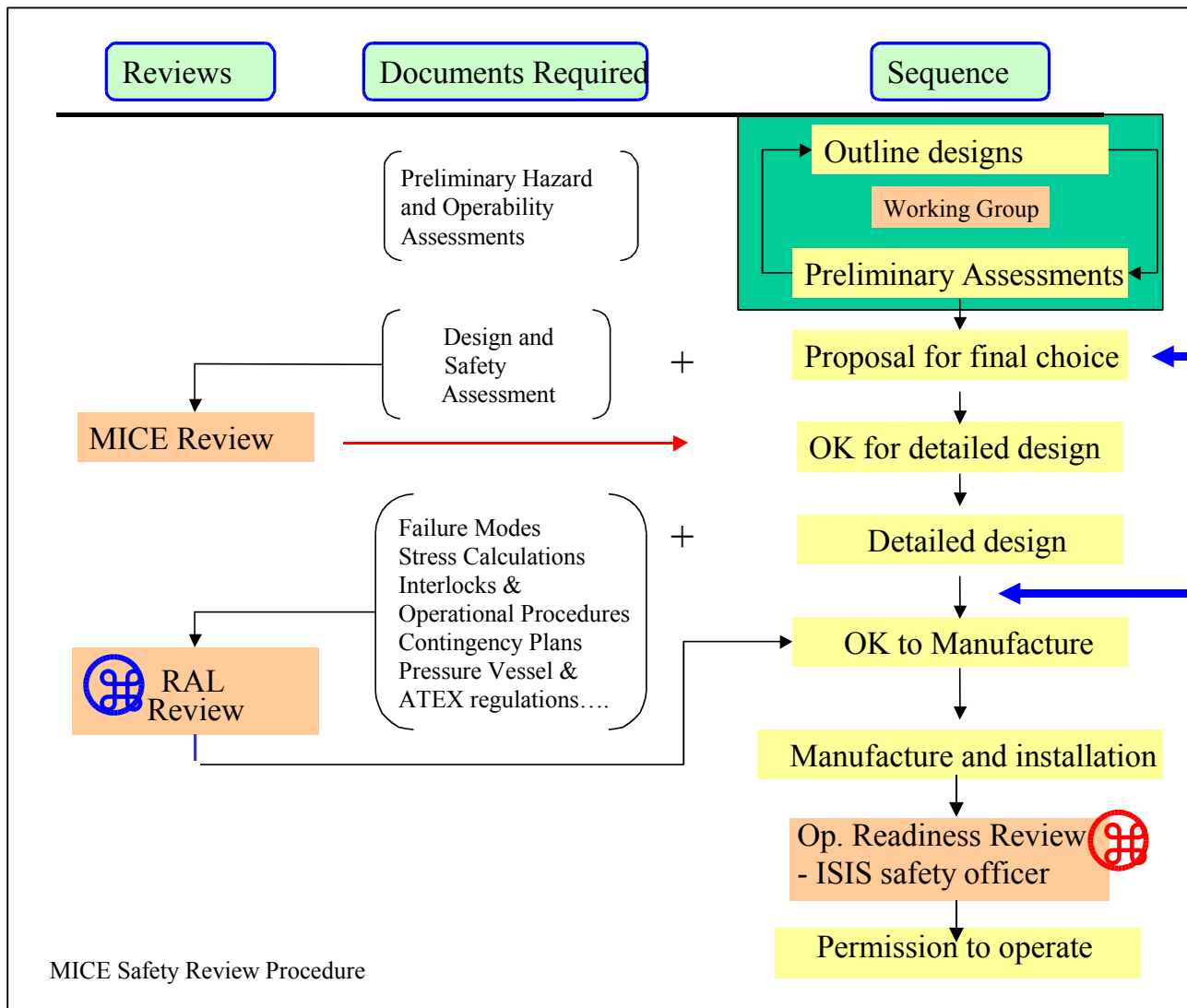


# Scope and Timeline for a Design and Safety Review





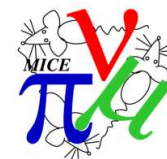
MICE is  
somewhere  
here!

#### Task List:

Target  
Beam line  
ToF Stations  
Cherenkov Stations  
Calorimeter  
Spectrometers  
⇒ solenoid + tracker

Hall layout

R&D: Hydrogen & Absorber  
R&D: RF@DL



## Task time-line:

2005:

Introduce decay solenoid in hall - testing

Modifications to solenoid stand

Installation of a hydrogen test area in hall 5.2 & tests

Late 2005:

S7 swap

test target – few pulses at start-up 2007

2006:

Installation of cryo-system for decay solenoid

Shutdown 2006

install shielding

install stands etc in synchrotron

Late 2006:

Rail system, beam line stands, b-l elements

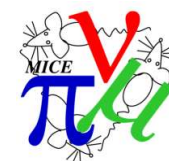
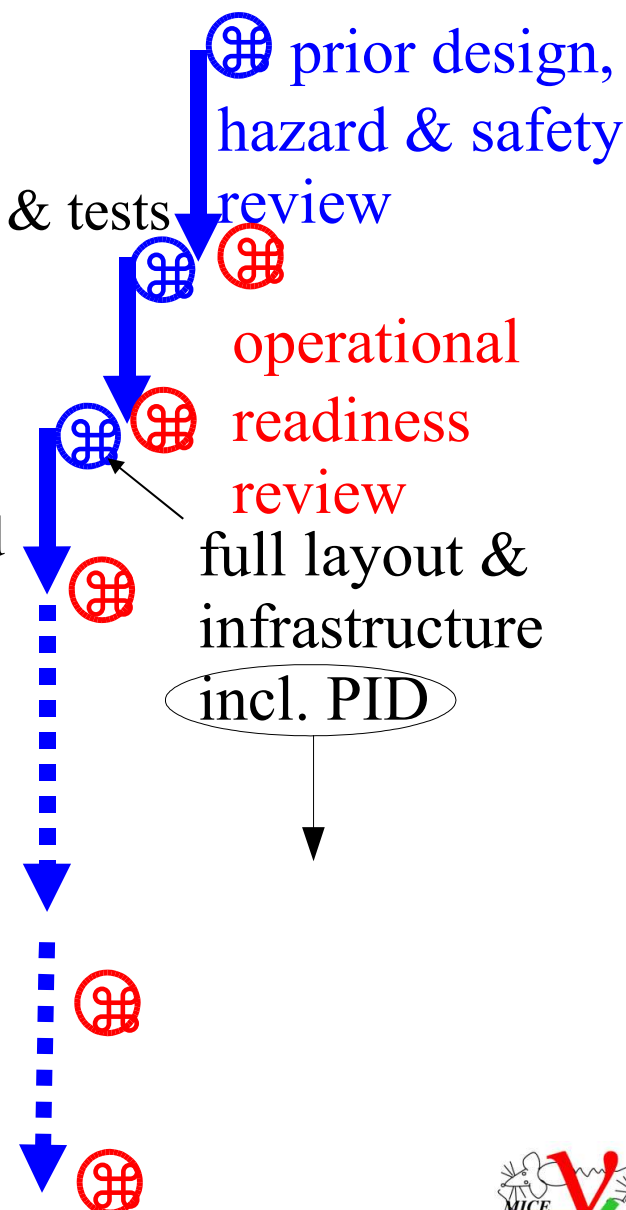
Spring 2007:

install detectors

first beam

Late 2007:

install spectrometer



# Time scales

- Permissible to submit prior reviews at any time
  - Better to coordinate (groups of related things)
- Depending on scale of risk
  - reviews can be internal
    - ISIS engineer/safety group/RPA
      - e.g. Synchrotron target
      - MICE should review fit for purpose
      - ISIS will review *acceptability*
  - or reviews will be external
    - Hydrogen system – ISIS external-industrial -SNS ...
    - Three months notice
    - Bookmark October for Hydrogen system



# Summary

- Prior review
  - Either before commencing build or
  - During/after build with increased risk !
    - Judgement call
- Readiness review
  - Will permit operation

