

# Summary of Luminosity Issues

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- Please volunteer for the open urgent studies
  - Magnetic stray fields, vacuum, timing reference
- Have an interesting ongoing beam-based R&D programme
  - But suffer from limited availability of facilities
  - Significant difference between CLIC design and existing facilities
  - Should strengthen and extend existing programme
- Should think of an improved main beam R&D programme
  - Should consider integrated facility
    - It would strongly advance CLIC
    - Short term goals
      - Need to identify a couple of promising examples
        - » Including some agreement of the host lab that we are allowed to at least mention this
      - Need to explore examples in more detail to put some beef on the proposal
        - » Space availability, basic parameters, ...
      - Should provide input for our planning
      - Should provide some input for the EU strategy
    - Long term goal
      - Depends on outcome of short term goal