EPAC Paper Outline

- Introduction (Bambade)
  - Motivations to study Alternative IR: machine, detector
  - New features from Lew'scheme : weak separator + hor. Extraction + QD2A + septum hitting
  - Accommodating parameter space, problem with low Q
- Final focus optics (*Payet*)
  - Optimization : CCS, R34 @ P^{tic}Xing, Doublet strength
  - Dependence on parameter sets and CM Energy
  - Tracking results
- Beam-Beam (*Bambade*)
  - Pairs
  - Low energy particle spectrum : Pairs + Bhabhas + Spent Beam
  - Beamstrahlung
- Extraction optics (*Appleby*)
  - Optics design : space for Fast Feedback kickers (30 cm , 1m (TDR) ??)
  - Parameter of ES separator (25 m, 25 kV/m)
  - Instrumentation
  - Beam losses : tracking results vs. acceptable limits
  - Sensitivity to vertical offset
  - Dependence on parameter sets and CM Energy
- Parasitic crossings (*Napoly*)
  - Limits on stability : jitter vs. constant offset
  - Effect of beam tail
  - Effect of fast feedback
- 1 TeV parameter Discussion
- Conclusion (Y)
  - Q: Smallest bunch spacing allowed ?

Final Editing: *Napoly*

Deadline : June 21, 24h00 CET