LOI SID (Subsystem description) – adapted from Hiro Aihara's list for hardware.

- 1. PFA in the context of SiD
- 1.1 Name of the subsystem
- 1.2 Contact person(s) for LOI writing
- 1.3 Functional definition: input, output, process(es)
- 1.4 Role in reconstruction
- 1.5 Requirements/specifications

 Requirements on tracking/calorimeter/muon systems
- 2. Description of the PFA system
- 2.1 Concept SiD PFA approach
- 2.2 Expected performance jet energy resn., jet-jet mass resolution
- 2.3 Options high energy/regular calorimetry
- 3. R&D roadmap performance to be achieved
- 3.1 Issues backgrounds, calibration, digital/semi-digital
- 3.2 Milestones (Before 2012, and after 2012)
- 3.3 Resources needed
- 4. Estimated development schedule
- 4.1 How long does it take to develop
- 4.2 Required human resources
- 5. Estimated cost
- 6. Organization of the PFA subgroup
- 6.1. Institutions involved
- 7. Q&A: anticipated questions from IDAG and answers to them