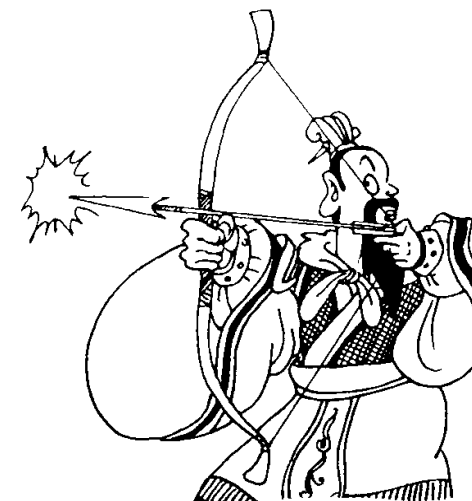


Status of “Upgrade-proposal” document

Target Dates

| | | |
|---------------|--|---------------|
| 20.06.2011: | Outline and list of figures | (DONE) |
| 27.06.2011: | Draft 0 (abstract for all sections) | (In Progress) |
| 15.07.2011: | Draft 1 (draft version of text) | (In Progress) |
| 26.08.2011: | Draft 2 (polished text + figures) -> distribute to ITS coll. | |
| < 12.09.2011: | Comments by ITS collaboration | |
| 19.09.2011: | Draft 3 with comments from ITS -> distribute to ALICE | |
| < 10.10.2011: | Comments from ALICE | |



Great progress considering that we started the document about 1 month ago ...



Still not enough progress in order to meet the target dates ...

More details ...

| | | | |
|--|-----------------|------------|--------------------------------|
| 1 Introduction | 8 Pages | 90% | |
| 1.1 Introduction | | 90% | |
| 1.2 Current detector performance and limitations | | 90% | |
| 1.3 Motivations for upgrading | | 90% | |
| 1.4 Experimental conditions | | 90% | |
| | | | |
| 2 Physics Motivation | 30 Pages | 50% | |
| 2.1 Current experimental situation in heavy-ion collisions and impact of the ITS upgrade | | 90% | Basically finished by Gianluca |
| | | | |
| 2.2 Physics performance studies for the ITS upgrade | | 10% | Structure & |
| 2.2.1 Simulation methods | | 10% | Figure place holders |
| 2.2.2 D0 meson reconstruction as a benchmark for detector performance | | 10% | so far – No Text |
| 2.2.3 Charm baryons (Λ_c) | | 10% | |
| 2.2.4 B mesons at central rapidity | | 10% | |
| 2.2.5 D and B mesons at forward rapidity | | 10% | |
| 2.2.6 Heavy flavour physics performance | | 10% | |
| 2.2.7 Quarkonia at forward rapidity | | 10% | |
| 2.2.8 Long range correlations | | 10% | |
| 2.2.9 Competitiveness | | 10% | |

We are missing basically everything in part 2.2 ?

More details ...

| | | | |
|--|-----------------|------------|--------------------------------|
| 3 Detector Functional Requirements | 30 Pages | 48% | |
| 3.1 Introduction | | 90% | |
| 3.2 General Design Considerations | | 90% | |
| 3.3 Simulation tools and procedures | | 60% | |
| 3.4 Detector parameters | | 10% | structure, no text |
| 3.5 Impact parameter resolution | | 90% | |
| 3.6 Tracking performance (efficiency and resolution) | | 90% | |
| 3.7 PID performance | | 30% | draft0 ready, not uploaded yet |
| 3.8 Trigger capabilities | | 5% | |
| 3.9 Readout rate capabilities | | 5% | |
| 3.10 Radiation environment | | 30% | Figures – No Text |
| 3.11 Redundancy | | 30% | Figures – No Text |
| 4 Detector Technical Implementation | 17 Pages | 31% | |
| 4.1 Global Requirements and Layout | | 20% | Abstract |
| 4.2 Technology Options for Pixel Detectors | | 60% | |
| 4.3 Technology Options for Strip Detectors | | 50% | |
| 4.4 Readout Electronics | | 20% | Abstract |
| 4.5 Irradiation Plans | | 5% | |
| 4.6 Testbeam Plans | | 20% | Abstract |

Progress towards a complete version ...
To be expected by the end of this week?

More details ...

| | | | |
|--|-----------------|------------|---------------------------|
| 5 Mechanics, Services and Integration | 16 Pages | 40% | Most abstracts and figure |
| 5.1 Introduction and System Overview | | 70% | |
| 5.2 Conceptual design integration and mechanics | | 50% | |
| 5.3 Cooling studies | | 20% | Abstract and figures |
| 5.4 R&D and prototyping | | 10% | |
| 5.5 Services | | 10% | |
| 5.6 Beam pipe design | | 50% | |
| 5.7 Detector installation | | 70% | |
| 6 Cost Estimate, Time Schedule and Participating Institutes | 1 Page | 0% | Vito works on it ... |

A lot of work was done. Still, major parts need earlier chapters to be in a final state ...

Conclusion



- Congratulations, but keep on working hard ...
 - Keep in mind, we should have “all sections” filled within the next week(s) so that the complete document can be revised
-
- In 6 weeks, we want to sent the “polished version” to the ITS collaboration ...