

Chapter #3 Update



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Chapter 3 - Soft Diffraction & Total Cross Section

3	Soft Diffraction and Total Cross section	4
1	Introduction	4
2	Physics sources of forward protons from inelastic interactions	4
2.1	MC versions and tagged proton selection for inelastic studies	7
2.2	Kinematics of tagged proton samples	8
3	Soft pseudorapidity gaps with a proton tag	9
3.1	Soft pseudorapidity gaps conclusion	11
4	Charge exchange studies	11
5	The total cross section	11
6	Running scenarios for elastic and soft diffraction	11
7	Conclusions	11

Chapter 3 - Soft Diffraction & Total Cross Section

1. Introduction: General introduction to be added this month. Expect 1 page. [TM]
2. Physics sources of forward protons in MC. Done, 4.5 pages (with figures). **This might be better moved into the MC section.**
3. Soft pseudorapidity gaps with a proton tag. 90% done, 2.5 pages with figures.
4. Charge exchange. Not included yet - decision based on technical feasibilities at the LHC.
5. Total cross section. Expected later, good to collate this information here - but not a driving concern for this report. This is already TOTEM and ALFA's raison d'être. 2-3 pages.
6. Running scenarios - currently still under discussion.
7. Conclusion. Can be started this month. Finalised later.

General L^AT_EX

- Thanks to Paula C for getting the template setup.
- `svn co svn+ssh://USERNAME@svn.cern.ch/repos/lhcfpwg`
 - Chapter editor write access, email Paula.
- Content to be collated from contributors by chapter organisers.
- Chapter content (source, .bib of references, any macros) within `cep`, `cosmic`, `detectors`, `forward`, `haddiffraction`, `heavyion`, `introduction`, `montecarlo`, `softdiffraction`, `summary` subdirectories. Images within `figs/[chaptername]`
- Build with 'make' - assumes use of `pdflatex` and `BibTeX`. Postscript files can be first converted with `epstopdf` utility.
- Some other packages such as `acronym`, if used, should make life easier.