Polarization Effects

Assuming:

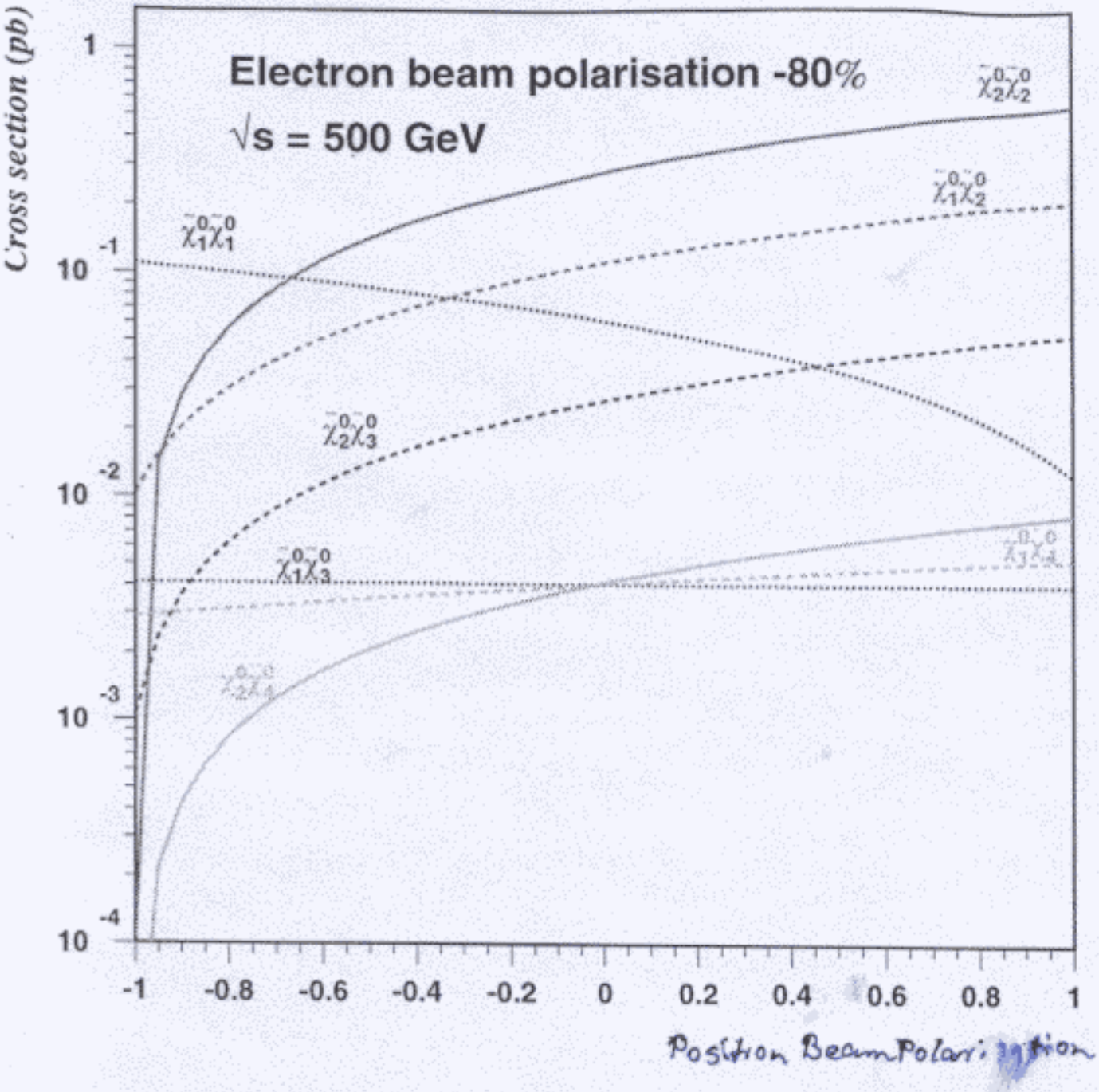
- Electron Polarization of 80%
- Positron Polarization of ~45% (without loss of $\mathcal{L}$)
  (~55% with 60% intensity)

→ not the end of the story, see talk tomorrow of Kiel
(be hopeful!)

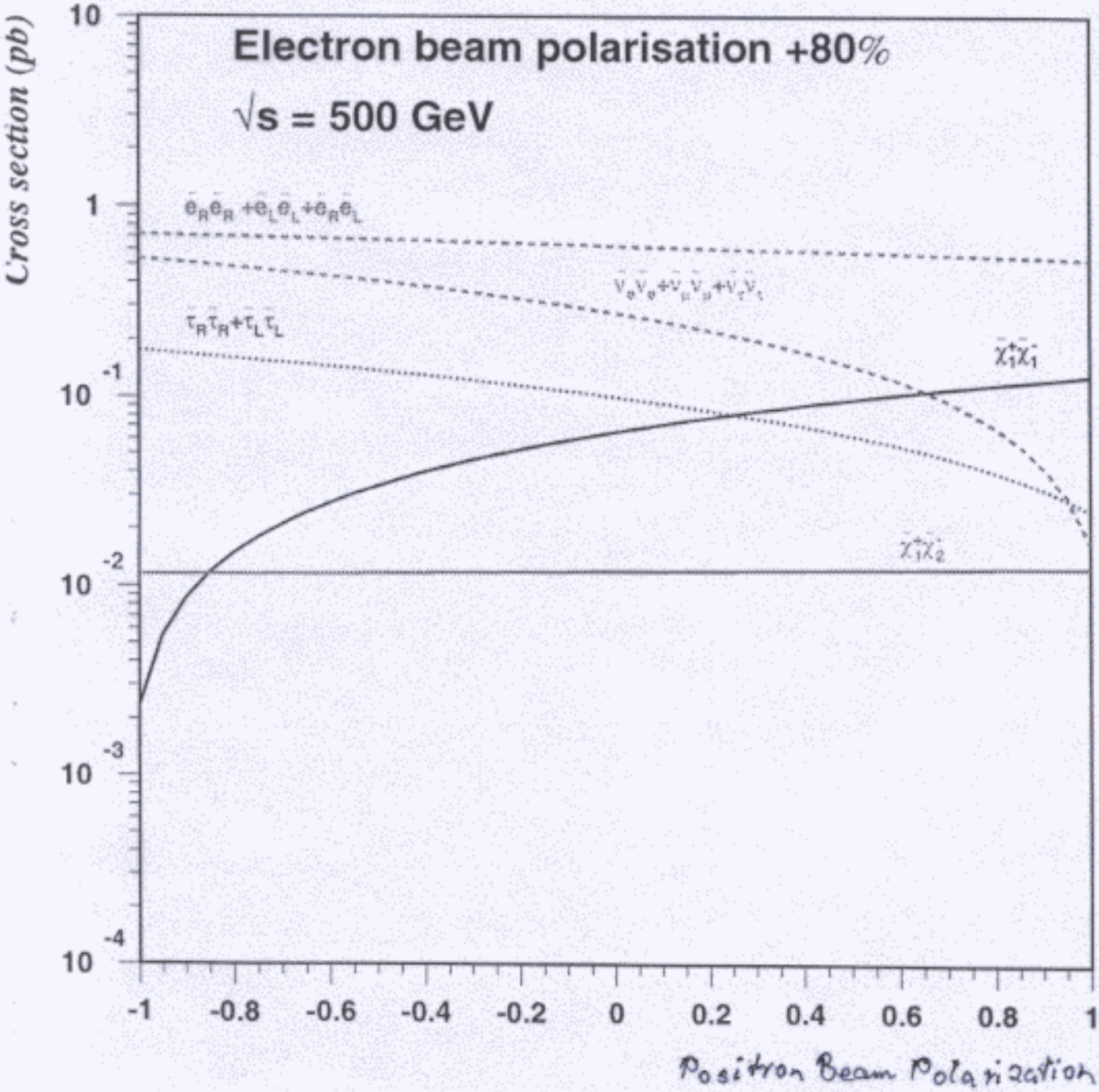
Questions:

- For which topics is P_{e+} indispensable?
  Needed from beginning?
- Which accuracy is P_{e-} and P_{e+} is needed? ~1%

Process	TDR	Effects?	Remark
Extended		} separation	
↓			
MSSM			
~~XR~~		$e_R e_R$, ...	suppresses background
Neutralino		+ couplings	
enhancement		each bit of $\mathcal{L}$ needed!	



LC - Scenario 1, low tan β



LC-Sce1, Low Lum B

Higgs Working Group (Room 4)

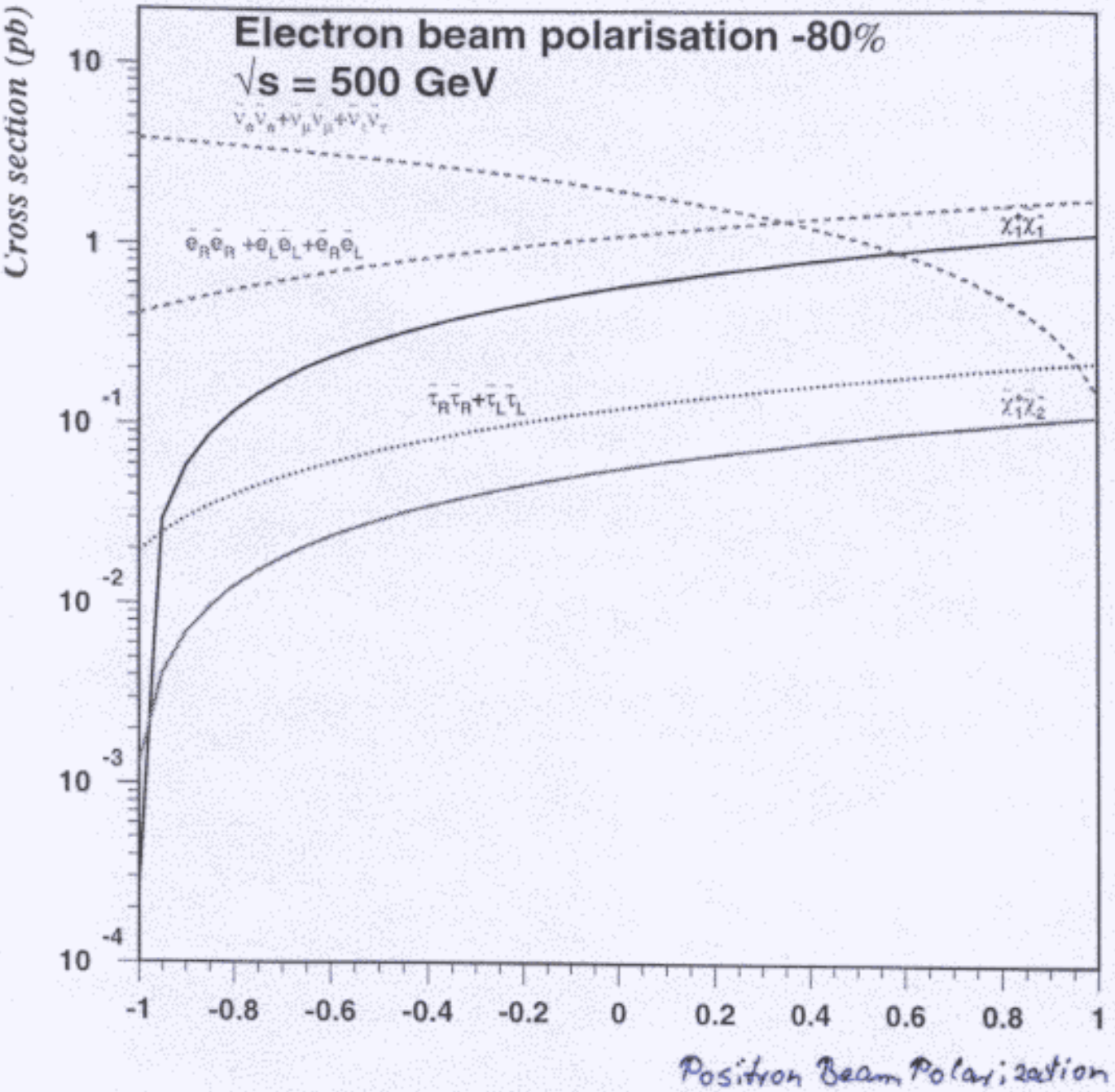
Friday 22 September

16:30-19:30	TDR Discussion	
16:30-16:45	General layout presentation	
16:45-17:15	'Theory part' (2.1.1. and 2.1.2)	
17:15-18:00	Mass + gauge boson couplings (2.1.3-2.1.4)	includes presentations about - cross section update (W.Lohmann) 10' - mass from H->WW (A.Raspereza) 15' - mass + width LHC vs LC (A.Sopczak) 10'
18:00-18:30	visit from gamma gamma experts (discuss width (2.1.8) + photon part of 2.1.5	(DeRoeck and Telnov)
18:30-18:50	Fermion couplings (2.1.5)	
18:50-19:20	Quantum Numbers (2.1.7)	includes presentation about - CP measurement (M.Schumacher) 15'
19:20-19:30	visit from polarisation experts	(Moortgat-Pick and Steiner)

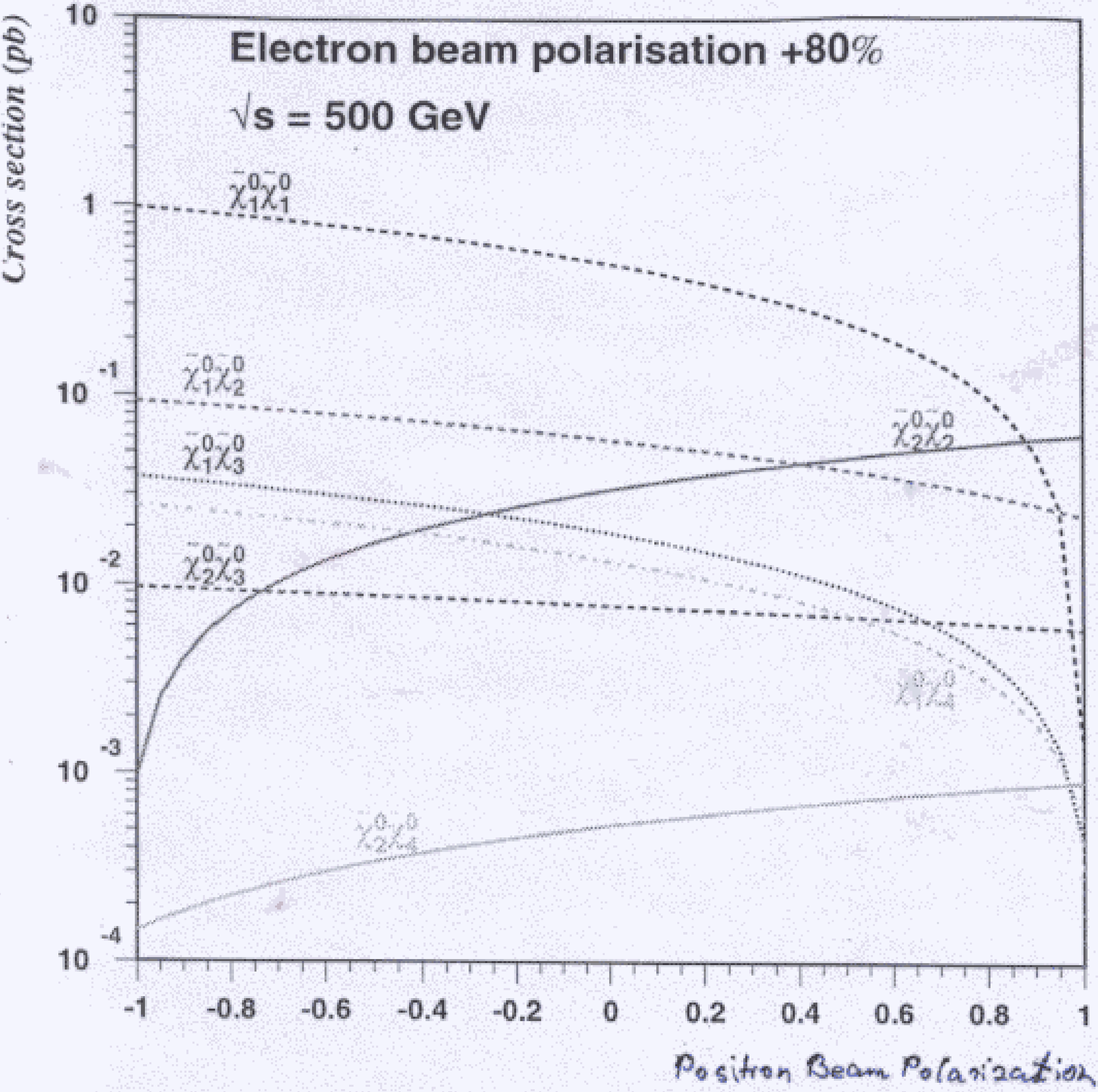
Saturday 23 September

09:00-11:00	TDR Discussion	
09:00-09:20	ttH (2.1.6)	top group is invited
09:20-09:40	ZHH (2.1.9)	incudes presentation -about expt. status (P.Gay) 10'
09:40-10:00	Non-supersymmetric Higgs (2.1.12)	includes presentation about - 2HDM at GigaZ (M.Krawczyk) 15'
10:00-10:10	visit of e-e- expert	(Heusch)
10:10-10:30	LHC comparison (2.1.13)	
10:30-11:00	Joint session with SUSY group (2.1.10, 2.1.11)	includes presentation - about H+H- (M.Battaglia)

Klaus Desch last modified 21/09/2000



LC - Sce 1, Cow Vanß



LC - Scenario 1, low tan β