

● Chapter I New Physics Scenarios

32 pages

- overview [WG2 conveners] 2 pages
- model-independent approach [Isidori] 4 pages
discussions on MFV/nonMFV < viewpoint of Flavour >
- SUSY [(Silvestrini, Isidori) -->] (4x4=) 16 pages
1. MSSM [tba]
< viewpoint of highPt, # of particles in the models >
2. non-MSSM [tba]
3. SUSY-GUT (introduction) [Okada]
4. brief introduction to benchmarks [Silvestrini, Isidori]
- non-SUSY model [(Buras) -->] 5 pages
1. ExtraDim [tba]
2. LittleHiggs [tba]
- tools [Heinemeyer, Silvestrini, Parodi] 5 pages

Chapter 3: New Physics in Benchmark Channels (~100p.)

- Prospects for existing and future facilities (WG2 Conveners + contrib) (10 p.) **122 pages**
- Benchmark channels: LHC, Kaon, ...
 - Radiative penguin decays (Gambino, Golutvin + contrib) (10 p.)
 - Electroweak penguin decays (Feldmann, Berryhill + contrib) (10 p.) **15 pages**
 - Neutrino modes (Grossman, Iijima + contrib) (10 p.)
 - Very rare decays (Nierste, Smizanska + contrib) (10 p.) **12 pages**
 - UT angles (tree-dominated) (Soni, Bona, Trabelsi, Wilkinson + contrib) (10 p.) **15 pages**
 - B_s mixing (Lubicz, van Huten + contrib) (10 p.)
 - $b \rightarrow s, b \rightarrow d$ hadronic decays (Ciuchini, Muheim + contrib) (10 p.)
 - K decays (Buras, Komatsubara + contrib) (10 p.)
 - Charm decays (Fajfer, Asner + contrib) (10 p.) **20 pages**

- Chapter 4 Assessments 40 pages
 - benchmark points: (5 x 3=) 15 pages
 - * NMFV points close to SPS Ia [Silvestrini]
 - * MFV large tan-beta [Isidori]
 - * SUSY-GUT including lepton physics [Okada, Silvestrini]
 - high-pt connections by Tool studies at CMS,ATLAS [Heinemeyer, Polesello, Buchmueller] 20 pages
 - concluding remarks - discrimination of models [all] 5 pages

from WG2: 224 pages in total

- deadline: by the end of the year
 - * chapter 4 preliminary results)
- finish the write-up before March