

Gauge theories and the Standard Model

Course goals : . theoretical foundations of the SM
. contact with phenomenology and experiments

• Course materials :

- . Peskin - Schroeder
 - . Cheng - Li
 - . Srednicki
 - . Weinberg
 - . Donoghue, Golowich, Holstein
 - . Schwartz
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- Lecturer : Marc Riembau. marc.riembau@epfl.ch
 - Teaching assistant : Andrea Luzio andrea.luzio@epfl.ch
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- Primary lecture with me, 13.15 - 16.00
 - Problem session with Andrea, 16.15 - 17.00
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- Grade determined by
 - . H/W assignments
 - . Oral final exam TBD