



"Error Analysis and Experiment Planning"

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Course contents:

No.	Description	Hours
1.	Introduction, notation rules, errors and uncertainties	1
2.	Propagation of uncertainties	1
3.	Random distributions (normal, Poisson, uniform, binominal)	1
4.	Least-squares fitting; data rejection and weighted averages	2
5.	Classification of deterministic and random data	1
6.	Methods of stationary and nonstationary data analysis	1
7.	Analysis of random data	1
8.	Estimates, statistical errors in basic estimates (mean and rms values, power spectral density, histogram estimate)	2
9.	Covariance and correlation, linear correlation coefficient	1
10.	Statistical tests, Chi-square test, nonparametric trend test	1
11.	Principal component analysis	1
12.	Methods of planning the experiments and data visualization	2

TERMINY WYKŁADÓW			
Data	Dzień tygodnia	Godzina	Sala
03.10.2011	Poniedziałek	8.15-9.45	207NE
04.10.2011	Wtorek	8.15-9.45	207NE
05.10.2011	Środa	8.15-9.45	207NE
07.10.2011	Piątek	8.15-9.45	32EA
10.10.2011	Poniedziałek	8.15-9.45	207NE
11.10.2011	Wtorek	8.15-9.45	207NE
12.10.2011	Środa	8.15-9.45	207NE
14.10.2011	Piątek	8.15-9.00	32EA