

P627 EPP Class Syllabus in Spring 2008

Instructor

(can be modified)

Yu.Kamyshkov

15-Jan-08

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|----|----|-------------------|---------------------------------------|------|
| 1 | Tu | January 15, 2008 | Introduction, sources, links | |
| 2 | Tr | January 17, 2008 | Natural Units, Kinematics | |
| 3 | Tu | January 22, 2008 | Particle Kinematics | |
| 4 | Tr | January 24, 2008 | Particle Kinematics | |
| 5 | Tu | January 29, 2008 | Interaction with matter | |
| 6 | Tr | January 31, 2008 | Interaction with matter | |
| 7 | Tu | February 5, 2008 | Interaction with matter | |
| 8 | Tr | February 7, 2008 | Interaction with matter | |
| 9 | Tu | February 12, 2008 | Interaction with matter | |
| 10 | Tr | February 14, 2008 | Monte Carlo methods | |
| 11 | Tu | February 19, 2008 | Probability and Statistics | |
| 12 | Tr | February 21, 2008 | Probability and Statistics | |
| 13 | Tu | February 26, 2008 | Particle Detectors, Gas detectors | |
| 14 | Tr | February 28, 2008 | Test 1 in Class | note |
| 15 | Tu | March 4, 2008 | Drift chambers, other gas det. | |
| 16 | Tr | March 6, 2008 | Spark, streamer etc. chambers | |
| 17 | Tu | March 11, 2008 | Gas detectors, TPC, bubble chambers | |
| 18 | Tr | March 13, 2008 | Scintillation detectors | |
| | | spring break | | |
| 19 | Tu | March 25, 2008 | Scintillation detectors, WLSF | |
| 20 | Tr | March 27, 2008 | Photodetectors, PMT | |
| 21 | Tu | April 1, 2008 | Cherenkov detectors, TRD, particle ID | |
| 22 | Tr | April 3, 2008 | P measurement in mag. field | |
| 23 | Tu | April 8, 2008 | Si, Ge, Bolometers | |
| 24 | Tr | April 10, 2008 | Calorimeters, EM calorimeters | |
| 25 | Tu | April 15, 2008 | Hadron Calorimeters | |
| 26 | Tr | April 17, 2008 | Semiconductor detectors | |
| 27 | Tu | April 22, 2008 | Electronics | |
| 28 | Tr | April 24, 2008 | Electronics | |
| | | | | |
| | F | May 2, 2008 | Final test 8-10 am | |

note: test 1 covers kinematics, interactions with matter, and statistics