LE98
LOW ENERGY POLARIZED ELECTRON WORKSHOP

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The Low Energy Polarized Electron Workshop LE98 was held September 2 – 5, 1998, at the State Education Center of St. Petersburg just prior to the SPIN98 Symposium. It was organised by Saint-Petersburg State Technical University (SPTU), A.F.Ioffe Physico-Technical Institute (PTI), RAS and sponsored by the International Committee for High-Energy Spin Physics Symposia and the Russian Foundation for Basic Research. The workshop followed an interdisciplinary approach, which has proven fruitful in past workshops.

The Workshop covered the physics of polarized electron photocathodes, new fabrication techniques, charge limitation, status reports of existing polarized electron guns and new gun designs, and helicity correlated emission-asymmetries. The features of conventional low-energy polarimeters and of a new type of polarimeter based upon spin-dependent electron absorption and transmission were also discussed. 54 participants from 9 countries attended the Workshop. There were specialists in high - energy spin physics, physics of accelerators, and solid state physics, including semiconductors and surface science and technology as well as magnetism. At five oral sessions, a poster session and a round table discussion, about 40 talks were presented.

The LE98 proceedings will be published in St. Petersburg at the end of 1998 and can be distributed upon request: LE98@spes.stu.neva.ru.