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(11 members, O. Dalkarov - team leader)

Development of reconstruction and simulation programs for SPD experiment

- tracks fitting program on the base of Kalman filter algorithm
- development of track finding algorithm
- development of primary and secondary vertices finding and reconstruction algorithms
- optimization of SPD tracking and vertex detectors

- study of electromagnetic clusters reconstruction algorithms in SPD electromagnetic calorimeters

Study of small-angle diffractive processes at SPD experiment

- theoretical studies of diffractive processes
- MC simulation and study possibility to register diffractive processes in SPD experiment
- study of possible detectors design

Upgrade the beams facility in C-25P synchrotron «Pachra»

- we plan to upgrade C-25P machine «Pachra» at Troitsk (goal to improve the angular and energy beams parameters). The following beams will be available after upgrade:
 - photon beam up to 600 MeV;
 - low intensity electron beam 30-300 MeV;
 - high intensity electron beam 200-500 MeV;

- construction in LPI special testing setup for measurement of characteristic of silicon pixel detectors