



## Recommendation letter

Vyacheslav Fuodorov has gone to work practical training at Budker Institute of Nuclear Physics (BINP) at 2018 as the student of Novosibirsk State University. He have highest marks in university exams, as illustrated by the attached list of grades for courses he completed. His main activity concerns investigation of the high power linear accelerators and beam dynamics. With his active participation, a code based on the solution of the Kapchinsky-Vladimirsky system of equations was developed. Now this code is actively used to tune a high-current linear accelerator in BINP. Vyacheslav is fluent in such programs as ASTRA, ELEGANT. In addition, he have high programming skills on python. The last task that he solved on python was to use a genetic algorithm for unfolding electron beam parameters using spot size measurement from solenoid scan. At present time Vyacheslav start to develop new code for particle tracking in external electromagnetic fields. While working in Budker Institute Vyacheslav showed himself as a promising young specialist and researcher who's is going to connect his future life with accelerators physics.

I think that a participation of Vyacheslav Fuodorov in this summer program will be very useful for him research skills in the field of charged particle accelerators. I would like recommend Mr. Vyacheslav Fuodorov for participation in this school.

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