



Вячеслав Федоров &lt;fuodorov1998@gmail.com&gt;

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**Re:**

1 ПИСЬМО

**Alexey Petrenko** <alexey.petrenko@gmail.com>

30 января 2020 г., 00:53

Кому: danila nikiforov &lt;nikdanila@bk.ru&gt;, Вячеслав Федоров &lt;fuodorov1998@gmail.com&gt;

Привет, Вячеслав, Данила!

Вот моя рекомендация для DESY. Если нужно, я могу аналогичную для ЦЕРНа написать еще, конечно.

To the DESY Summer Student Program 2020.

I'm glad to write this recommendation letter to support Vyacheslav Fedorov's application for the summer student program at DESY. I know Vyacheslav for about one year since we started working on simulations of intense space charge dominated beams at Budker INP. Vyacheslav Fedorov's work is focused on the theoretical part of our project, namely the development of a fast beam envelope code and its benchmarking against more detailed Particle-in-Cell codes (like WARP and ASTRA) as well as experimental data. This work was very successful and over less than a year Vyacheslav was able to develop an analytical and numerical framework implemented as a modern Python library: <https://github.com/fuodorov/kenv> This code proved to be a very useful tool in the design and operations of several high-current accelerators. One publication with key input from Vyacheslav has been recently accepted into a peer-reviewed journal.

I know Vyacheslav Fedorov as a well-qualified physicist (certainly among the top 5% of the undergraduate students) and I believe he is an excellent candidate for this summer student program.

Sincerely,  
Dr. Alexey Petrenko,

January 29, 2020

Budker Institute of Nuclear Physics,  
11, prospect acad. Lavrentieva, 630090, Novosibirsk, Russia

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On Tue, Jan 28, 2020, 23:14 Alexey Petrenko <[alexey.petrenko@gmail.com](mailto:alexey.petrenko@gmail.com)> wrote:

Хорошо, я напишу рекомендацию завтра!

On Tue, Jan 28, 2020, 10:51 danila nikiforov <[nikdanila@bk.ru](mailto:nikdanila@bk.ru)> wrote:

Леша привет!

Не мог бы ты написать рекомендательное письмо для Вячеслава, мы хотим его в desy на летнюю стажировку отправить, сделать это нужно до 1го февраля.