

## **Neutrons:**

PNPI, Anatoli Serebrov:

-----  
*Information concerning your project:*

- *Search for ..-EDM using ... system.*

Search for nEDM using UCN.

- *name and email address of contact persons / spokespersons:*

Anatolii Serebrov, serebrov@pnpi.spb.ru

- *collaborating partners:*

PNPI-ILL-PTI

- *website:*

<http://cns.pnpi.spb.ru/ucn/>

- *link to a recent talk:*

<http://cns.pnpi.spb.ru/ucn/articles/Serebrov1.pdf>

- *specific features (some keywords):*

ultracold neutrons, UCN storage, high voltage

- *major challenges (some keywords):*

double-chamber, multi-chamber

- *schedule, aimed at sensitivity and timeline for results:*

2014,  $1 \cdot 10^{-26}$  e·cm /100 days, double-chamber @ ILL EDM position

2015,  $3.5 \cdot 10^{-27}$  e·cm /100 days, double-chamber @ ILL UCN source with superfluid He

2016,  $5 \cdot 10^{-28}$  e·cm /100 days, double-chamber @ PNPI super UCN source

2018,  $3 \cdot 10^{-28}$  e·cm /100 day, multi-chamber @ PNPI super UCN source

---

---