



REU Summer Undergraduate Research

Kansas State University



Laser-matter Interactions  
at the Atomic and Nanoscales<sup>§</sup>

May 25 – July 31, 2009

[www.phys.ksu.edu/REU](http://www.phys.ksu.edu/REU)

The K-State REU program offers summer fellowships to do world-class research in our friendly physics department, in the scenic Flint Hills.

**Research Topics**

- Ultrafast lasers and attosecond physics
- Quantum control and laser trapping
- Nanoparticle formation and light scattering
- Nonlinear fiber optics
- High energy and neutrino physics
- Atomic and condensed matter theory
- Physics Education\* (... and more!)



**Stipend and Housing**

A stipend of \$3,825, partial travel, and on-campus room and board provided.

<sup>§</sup>pending NSF funding renewal



**Eligibility**

Sophomores and Juniors who have completed a course in modern physics.\*



**Deadline:** Rolling admission starts Feb. 18<sup>th</sup>.



\*Limited funds available for non-citizens and for research in physics education.

**Application**

[www.phys.ksu.edu/REU](http://www.phys.ksu.edu/REU)  
Or contact: Jane Peterson  
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(785) 532-1603  
[reu@phys.ksu.edu](mailto:reu@phys.ksu.edu)