

# PLANET NINE FROM OUTER SPACE

*Is there an unseen giant  
lurking far beyond Neptune?*



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**FEBRUARY 10th - 4PM**  
*Room 54-100*

**ABSTRACT:**

We have recently suggested that a giant planet well beyond Neptune is required to explain unexpected clustering in the orbits of very distant and eccentric Kuiper belt objects. I will present the evidence for this clustering as well as the dynamical evidence that a giant planet is responsible. Finally, I will discuss prospects for directly detecting this planet in the near future and what it might tell us about the formation of the solar system.