LSU-PHYSICS MYSTERY HUNT

Halloween 2011, clues handed out at exactly 3:30 PM

GOAL: To use the clues on this sheet to find the hidden reward.

PRIZES: **First** , Dinner for two plus secret prize

Second, Ice cream for two plus secret prize

Third, Secret prize

WORKING TOGETHER: You are expected to ask people around for answers to any questions or points that you do not know. Two people can work together, although one person might be more efficient and speedier. As you are searching for the final hiding place, please be discrete so the remaining searchers will not get any clues from you.

And when you find the hiding place, quietly return it to position for later searchers.

I'll announce when all three prizes have been claimed, but I won't say where the hiding place is, so you can keep looking at your leisure.

METTE -CLUE:

γ	δ

ε	ζ	η	•	θ

α [ ][ ][ ] β [ ]   of

ι	κ

λ

α [ ][ ][ ] $\square V=nRT,$ $\square_{rectangle}=L*W,$ $F=\square Mm/D^2,$ $\square=mc^2$

β [ ] $= \hbar c/e^2$ <small>Hint: This is a fine value overturned</small>

γ [ ]   The name of the character played by John de Lancie (Star Trek) and Desmond Llewelyn (James Bond)

δ [ ]

D G L O
◯[ ][ ]◯

Z T H R E
◯◯[ ][ ][ ]

I F O N S U
[ ][ ]◯◯[ ][ ]

E L N O P T
◯◯◯◯[ ][ ]

> So just how fast do you think that you were going?

ν

ANSWER: The ◯◯◯◯◯ of ◯◯◯◯◯ = [δ]

ε

四加三等于几? 三 四 业 咻 羰 仿

ζ

The emblem of our department is from the artwork showing our Solar System symbolically. This is visible as a large colored emblem in stonework above the entry to the lecture room (130) close to Prof. J. Moreno's office. This is easy to see fast by looking out the one 2nd floor window in the corridor by the staircase just south of the library). But only 8 of the 9 planets are depicted. What is the number of the planet (with Mercury=1, Venus=2, Earth=3,…) that is _missing_?
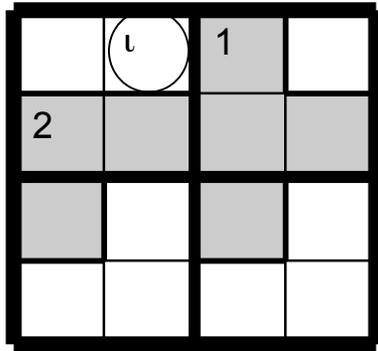
η

Start at the window in the previous puzzle. Stand close to the window looking squarely out, and turn around exactly 180°. Walk straight ahead until you can touch a picture of a polar bear. Turn around 180°. Walk straight until your left shoulder passes pictures of human babies. Continue forward 4 tile squares. Turn 90° to the right. Walk on a straight line towards the elevator UP button. On this line, stop 12 tiles before hitting the button. Now, go exactly 81 tiles directly west. Turn north. Find the paper at Prof. R. Jin's eye-level that was accepted 13 July 2011. The answer is the number of the authors on this paper.

θ

= Room Number of Prof. A.R.P. Rau   -   Room Number of Prof. C. Deibel

ι

[crossword grid with circle marked ι, cell 1, and cell 2]

ACROSS

2. ⬚⬚⬚⬚'s advisor is Prof. J. DiTusa

DOWN

1. Type of shift for distant galaxies
2. When 2-across gets his Ph.D., you will address him as ⬚⬚ Rebar

κ

Ask Prof. J. Frank for this answer

This early portrait is of LSU Prof.

λ

D. **λ** ⬚⬚⬚⬚⬚⬚ ⬚