

## Service de Physique Nucléaire



Séminaire le vendredi 25 mai 2007 à 11h

CEA-Saclay DSM/DAPNIA/SPhN, Orme des Merisiers Bât. 703 Salle 135

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### **Isospin Mixing in the A=32 Quintet**

Angelo SIGNORACCI, *Michigan State University NSCL*

For the A=32 quintet (T=2), a unified theoretical description for three related aspects of isospin mixing will be discussed: the need to go beyond three terms in the isobaric mass multiplet equation, isospin-forbidden proton decay, and the isospin mixing correction to allowed Fermi  $\beta^+$  decay. For the first time, all three effects observed in experiment can be traced to a common origin related to isospin mixing of the T=2 states with T=1 states.

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Le café sera servi 10 minutes avant, en salle 125  
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