

# SÉMINAIRE du GROUPE THÉORIE

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INSTITUT DE PHYSIQUE NUCLÉAIRE

*Groupe de Physique Théorique*

Bât. 100, F-91406 ORSAY CEDEX

Tél (33)-(0)1-6915-7330 - Fax (33)-(0)1-6915-7748



## Nodoka Yamanaka

IPN, Orsay

### Electric dipole moment of light nuclei

The nuclear electric dipole moment (EDM) is a very sensitive probe of CP violation beyond the standard model. The EDM of light nuclei can be evaluated in few-body calculations assuming the one-meson exchange model for the P, CP-odd nuclear force. In this talk, we present our recent results on the calculation of the EDM of several light nuclei and the mechanism of the enhancement of CP violation. We also give future prospects for the discovery of new physics beyond standard model such as the supersymmetry.

*Mercredi 19 avril 2017, 11h30*

*IPN, Bât. 100, Salle A015*