



Séminaire

# **Yorick Blumenfeld**

## IJCLab

## 14:00, 15 January 2021

#### Zoom:

https://ijclab.zoom.us/j/95837816135?pwd=cFpUbzRPZi8zbmQ4ZFRSYWZIWGFaUT09

After a brief general introduction on Giant Resonances I will discuss the history of the discovery of the Isoscalar Giant Monopole Resonance (GMR) and its link to nuclear incompressibility. I will then turn to more recent results which include

- Improved experimental results to narrow down our knowledge of the incompressibility parameter K<sub>infinity</sub>
- Measurements along isotopic chains to infer the dependence of incompressibility on neutron-proton asymmetry
- Techniques for measuring the GMR in unstable nuclei, first results and future possibilities
- First indications for soft monopole modes and potential relevance
- Role of nuclear incompressibility in astrophysical processes

The material presented will be largely inspired by the recent RESANET workshop on the GMR of which the slides can be found at

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https://indico.ijclab.in2p3.fr/event/6583/

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