## Fast-timing studies of states below <u>us isomers at the ILL</u>

## **Gary Simpson LPSC**



## The Lohengrin Fission-Product Spectrometer





Separates according to A/q and E/q

No ion source - no chemical selectivity

~2×10<sup>12</sup> fissions/s (3.5 mg of <sup>239</sup>Pu 742 b)





## **Regions studied**

- <sup>132</sup>Sn
- 100Zr



Brant et al., Phys. Rev. C 69 034327 (2004)





Analysis slow as Janine Genevey retired!

New software had to be written -Auto-gain matching

Data for at least 3 publications

Large number of LaBr<sub>3</sub> detectors in France – Possibility of fast-timing at SPIRAL-2