

**XADS/Eurisol**  
**G. Olry, CNRS, IPN Orsay**

First mechanical studies on the  $\beta_g=0.35$  spoke cavity have been performed to determine the niobium sheets thickness and the stiffeners shape and number we needed under vacuum load conditions. Additional calculations on tuning sensitivity (i.e. cavity stiffness) and mechanical vibration modes have been made.