

## **ILD Endplate Mechanics**

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## Tool under development

- Cathya-based parametrized modelling of an Nwheel endplate. Parameters in an excel-file.
- ANSYS mechanical calculation
- Iterate and optimize
- (see also previous study in 2010 with pressure and weight and hanging efforts, by M. Carty et al.)
- Recently the demonstration was made of a fully integrated electronics within 0.25 X<sub>0</sub>, connected with 3 cables per module (low-voltage 2mm<sup>2</sup> copper, high voltage and optical fibre).



