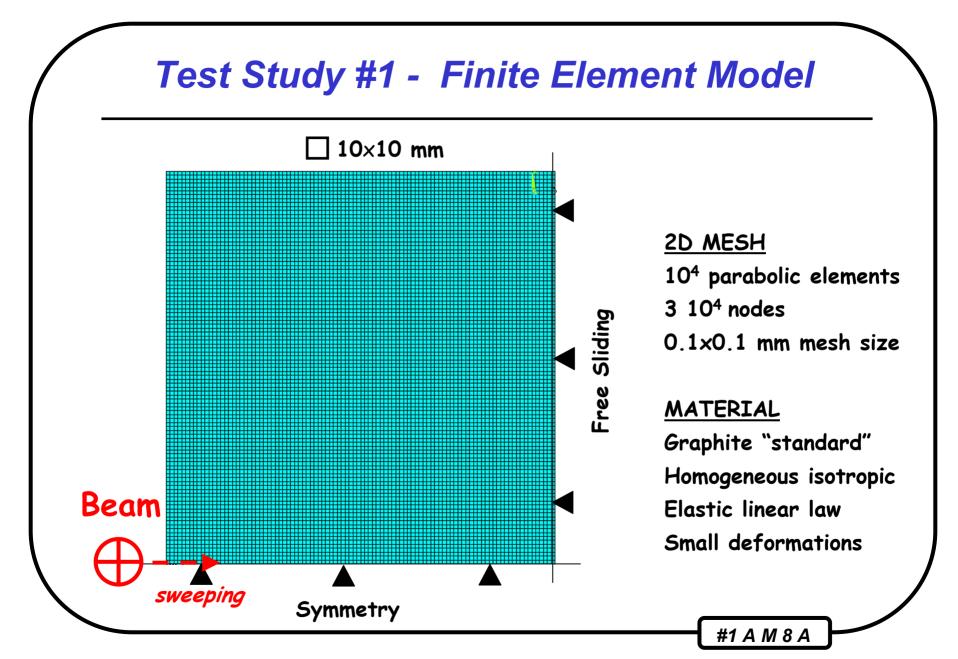
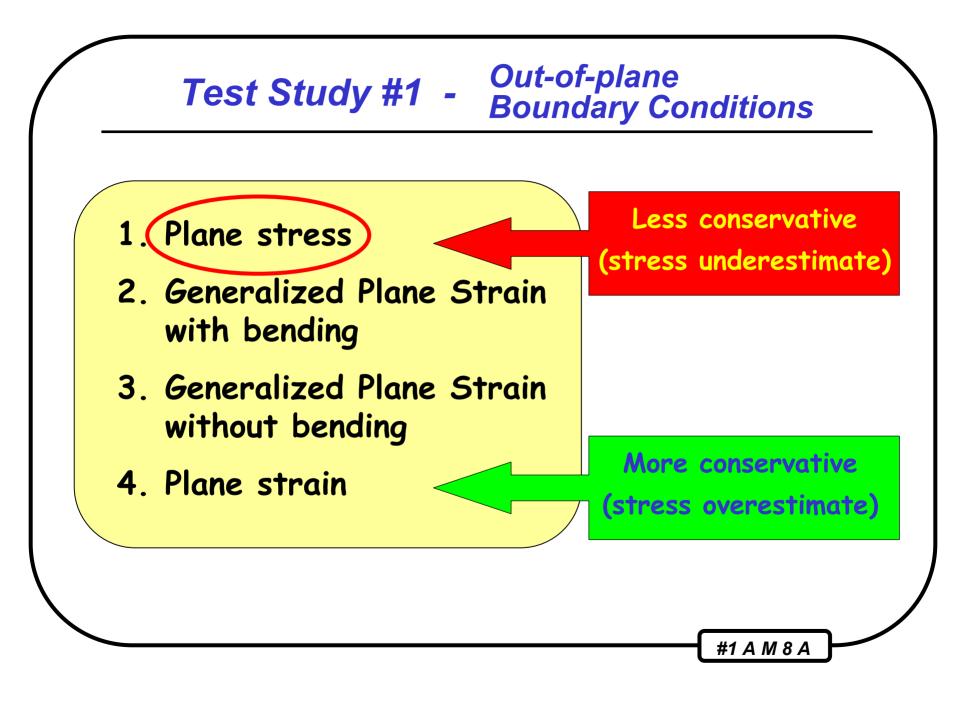
# **LHC Collimators**

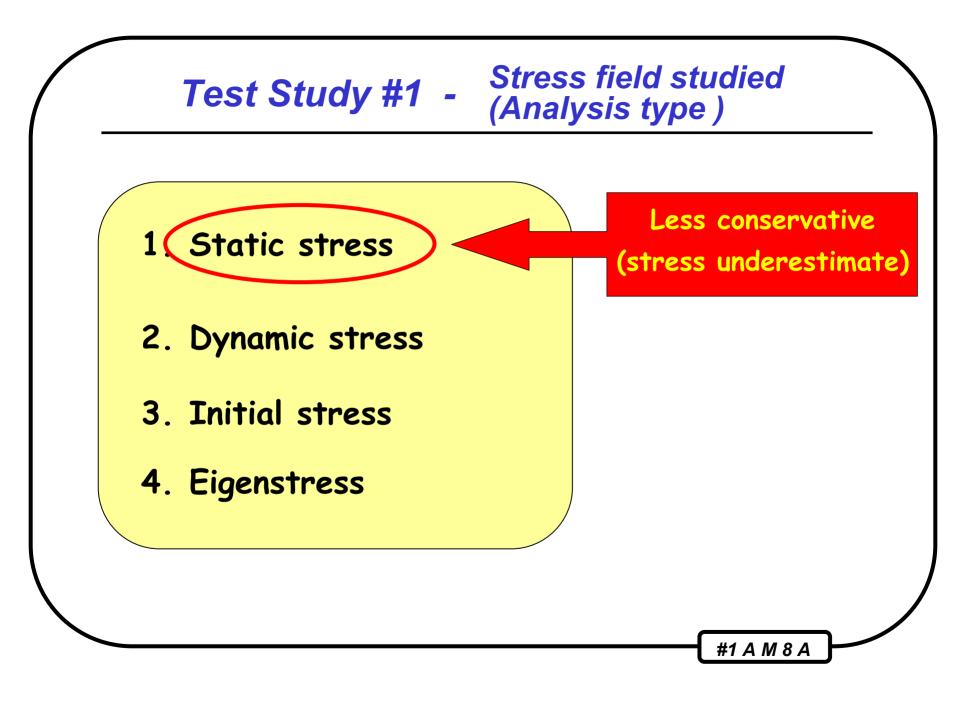
# **Conceptual Mechanical Design**

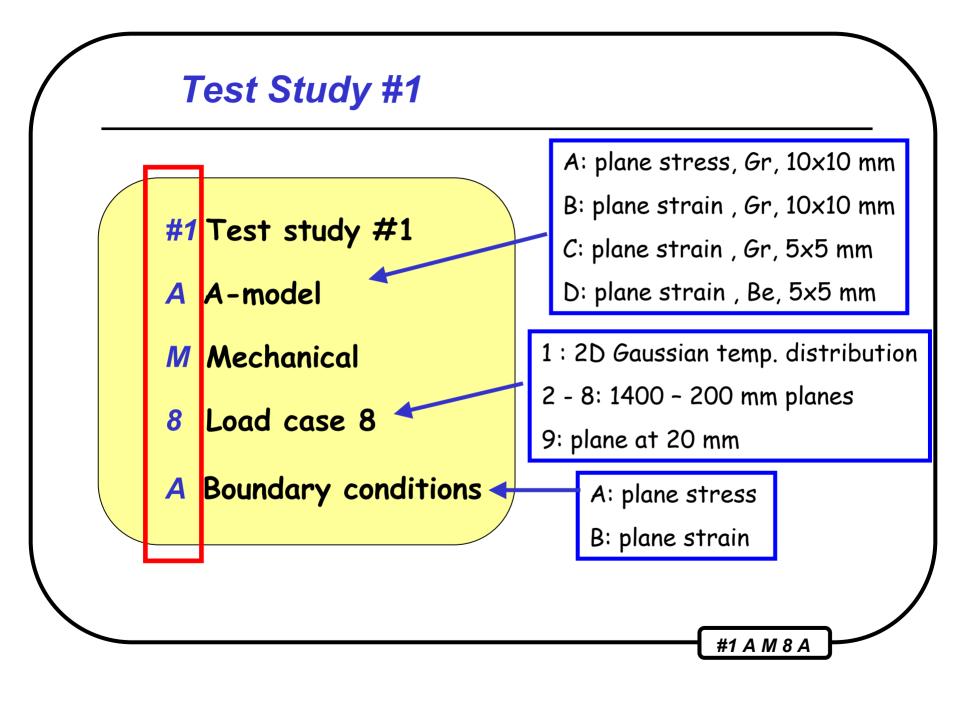
<u>Test Case #1</u> - *Preliminary results* 

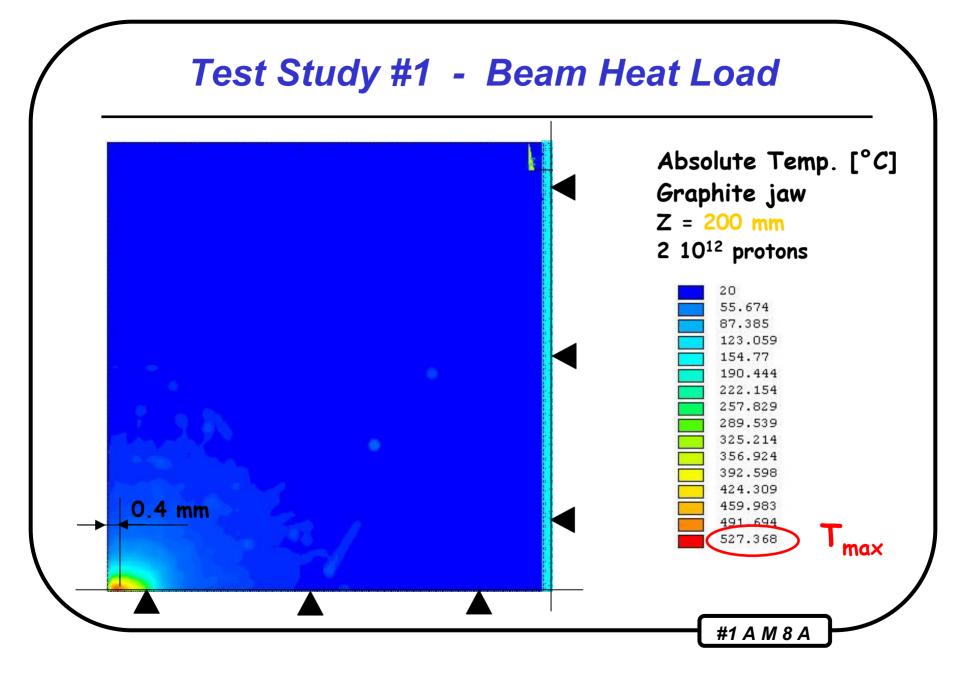
Oliver Aberle AB/ATB Target & Dumps Section

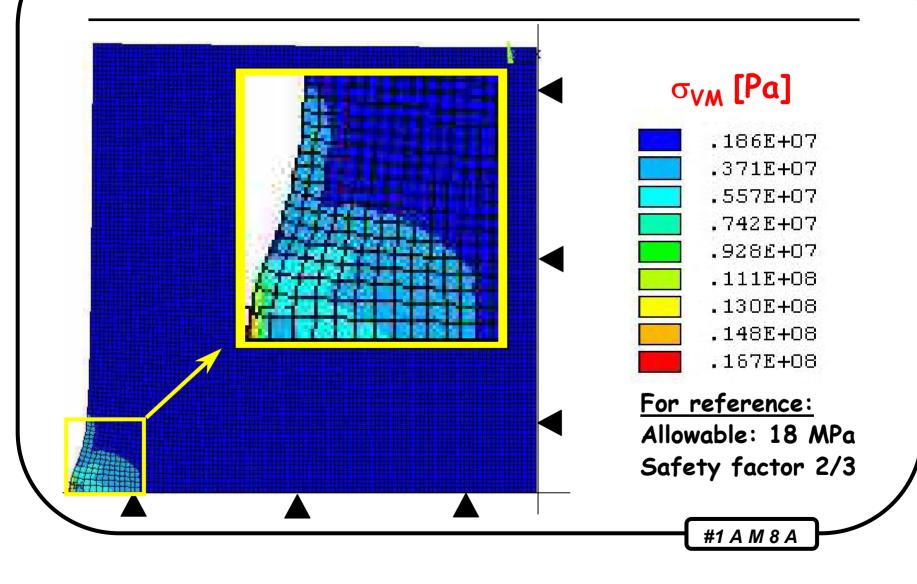


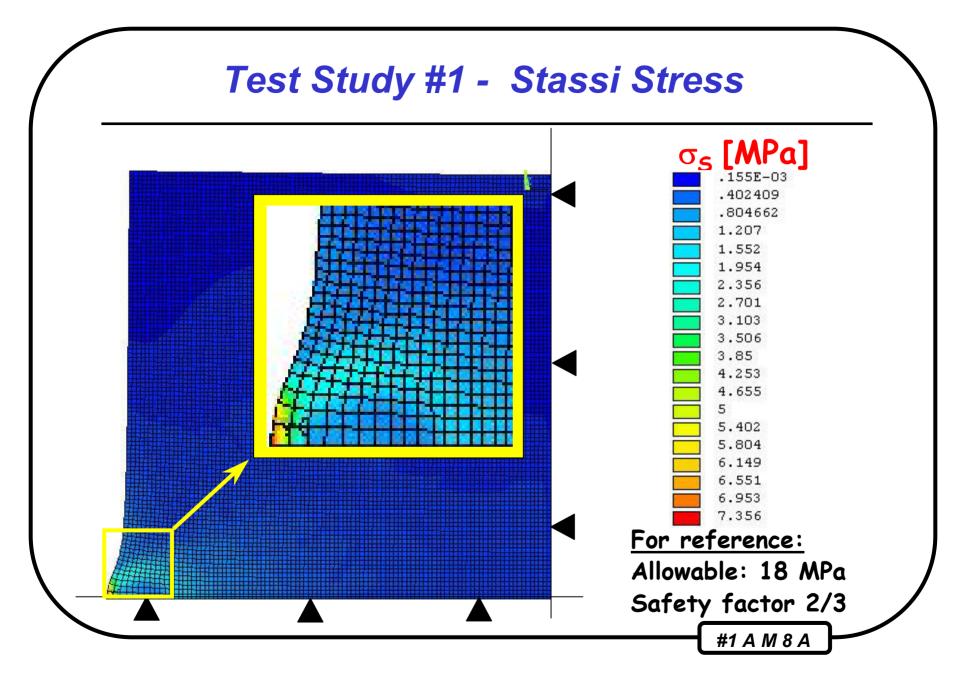


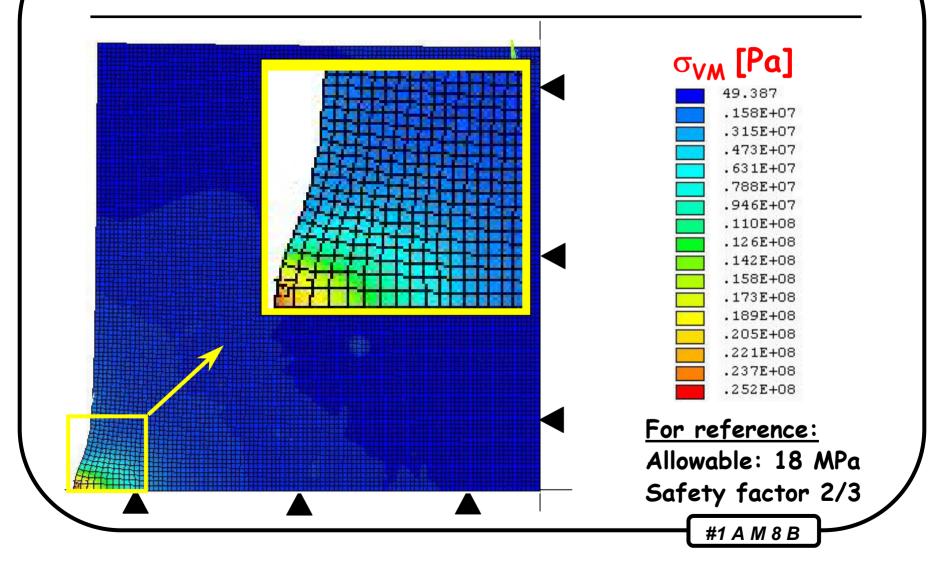




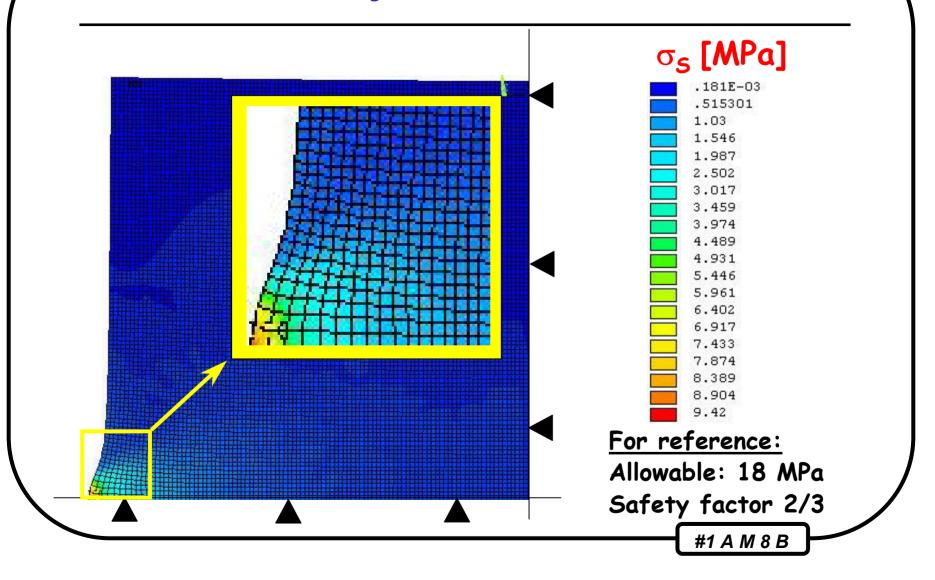




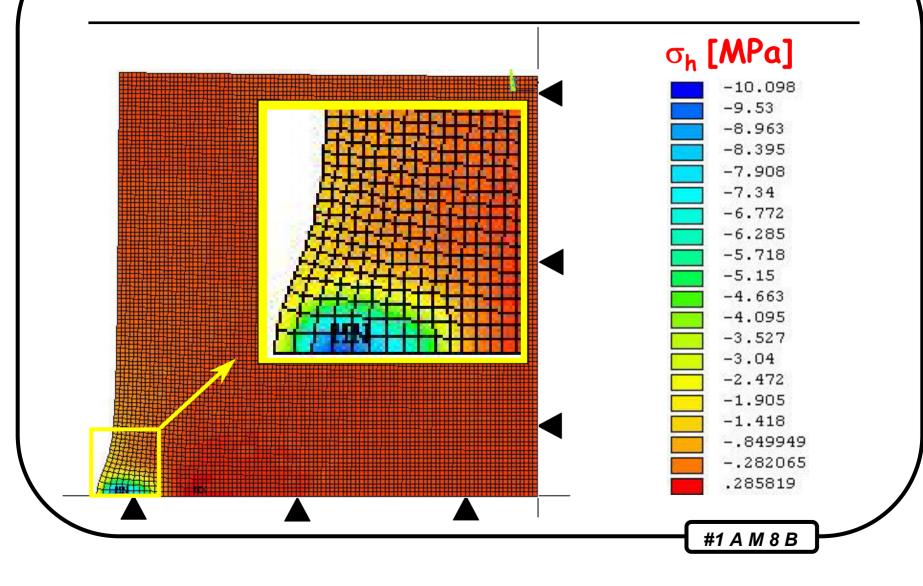


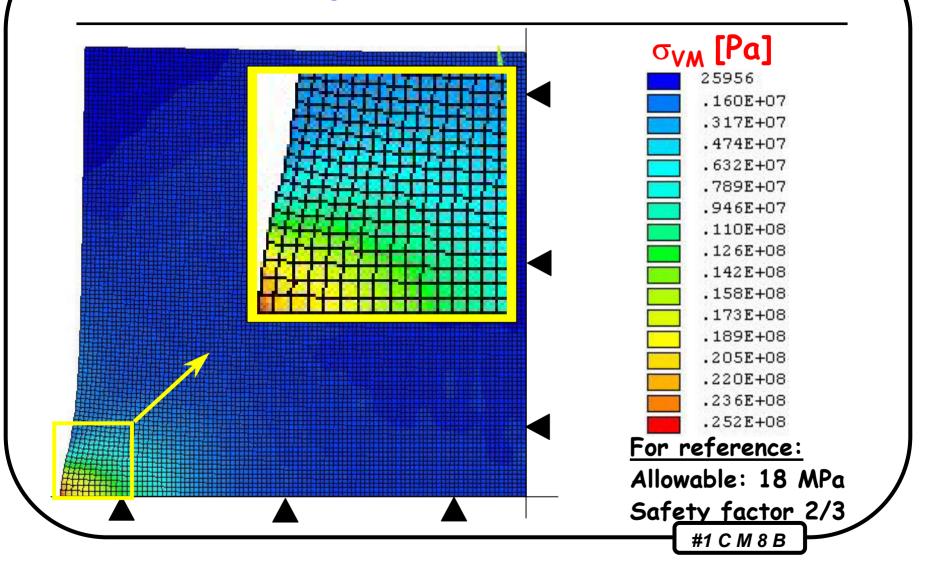


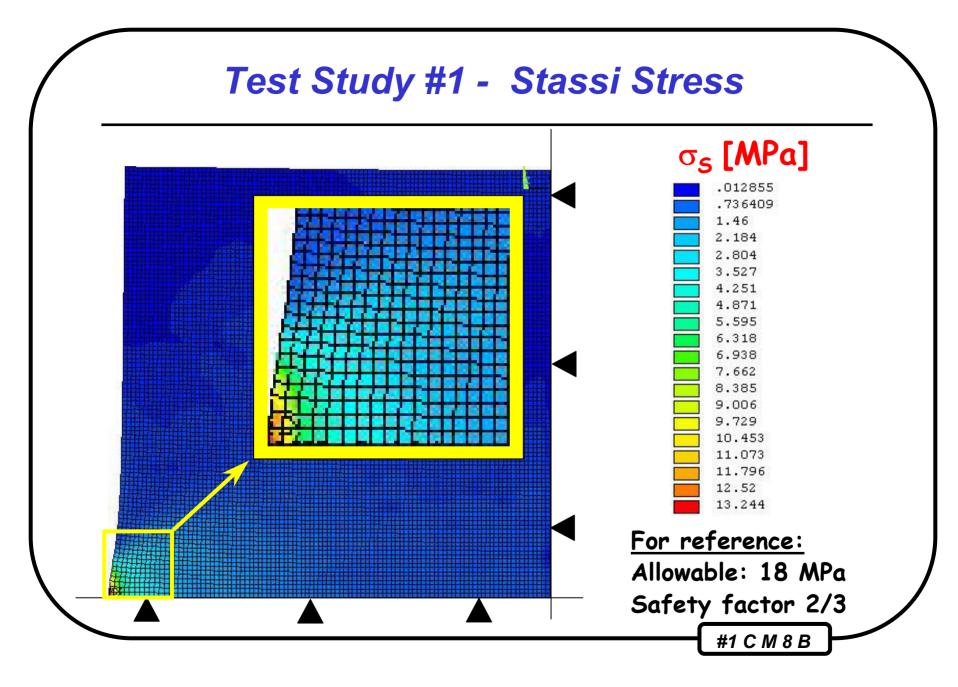
#### Test Study #1 - Stassi Stress



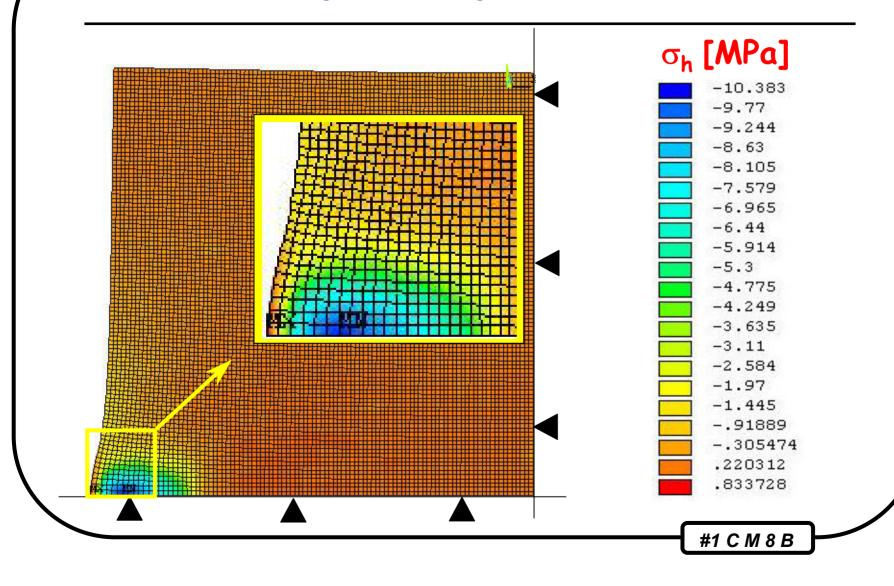
# Test Study #1 - Hydrostatic Stress

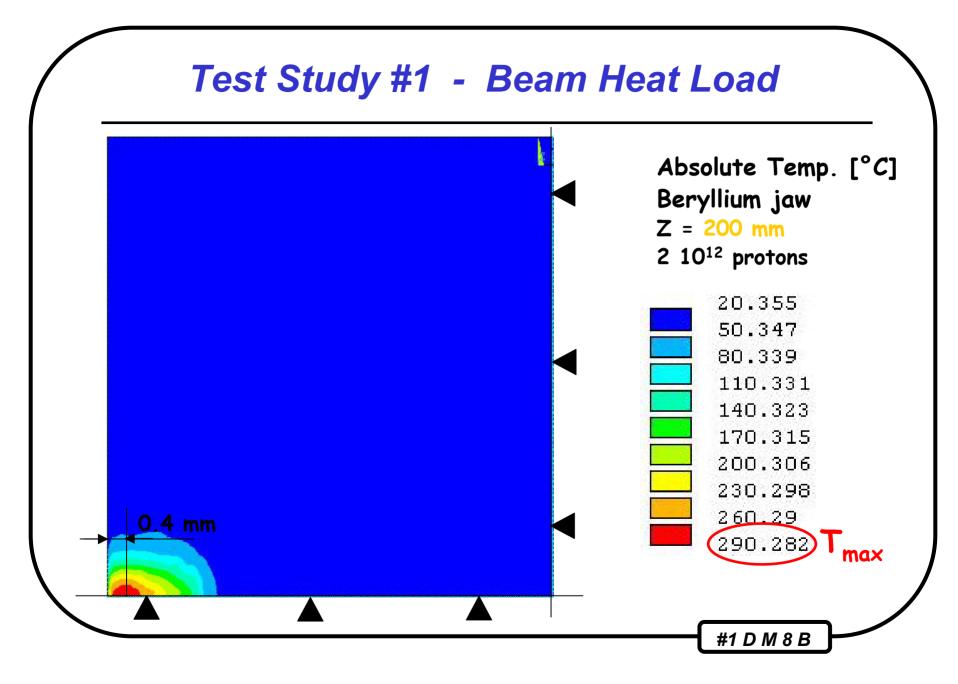


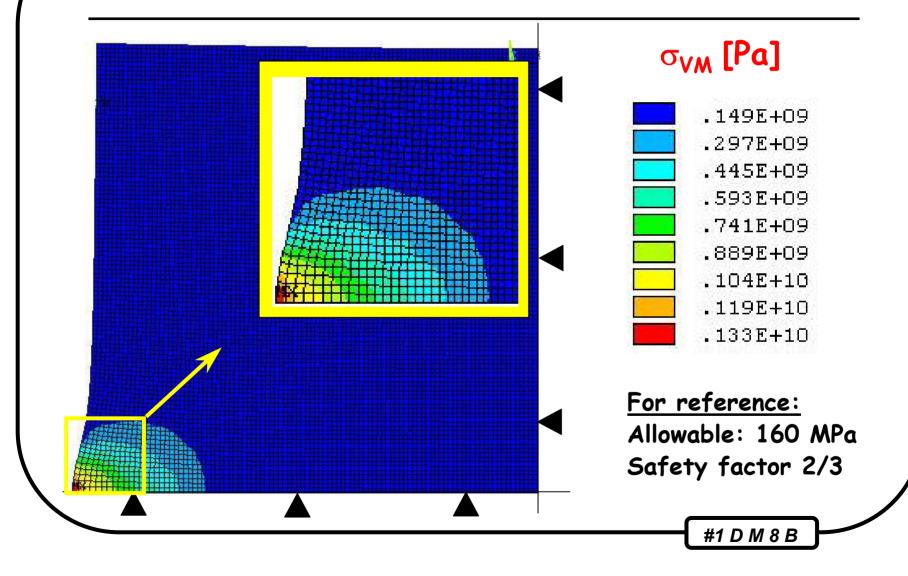




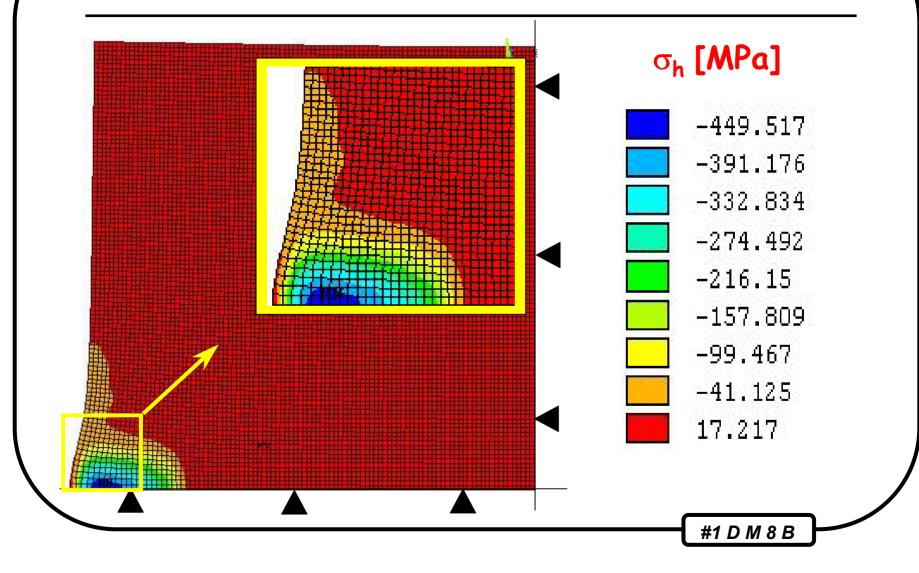
# Test Study #1 - Hydrostatic Stress

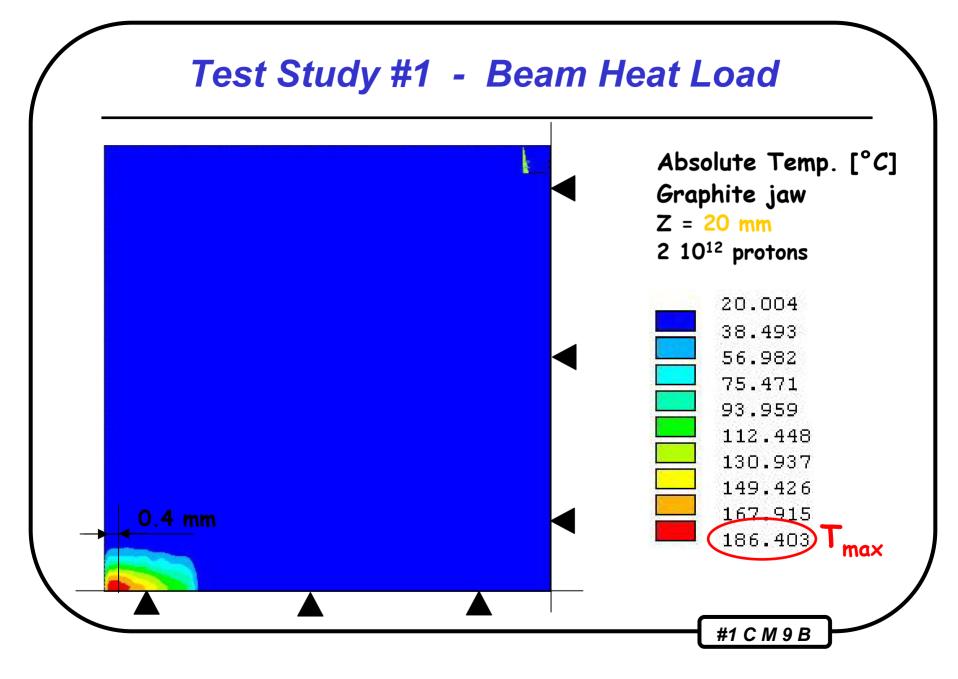


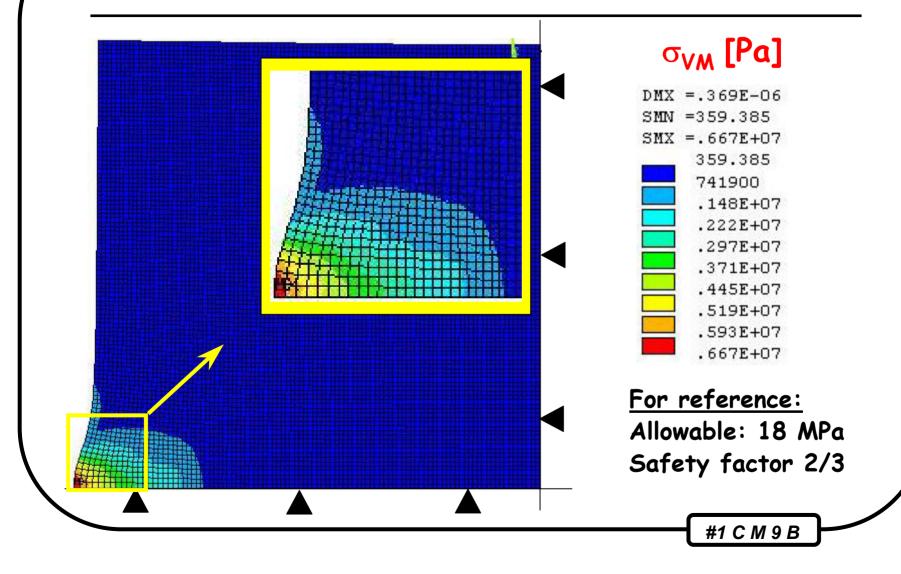




# Test Study #1 - Hydrostatic Stress







# Test Study #1 - Further work

What is still to be done ?

- Check sensitivity to model and mesh size;
- Study stress components;
- Compare boundary conditions;
- Investigate load at different cross-sections;
- Perform dynamic analysis ;
- Choose material models.