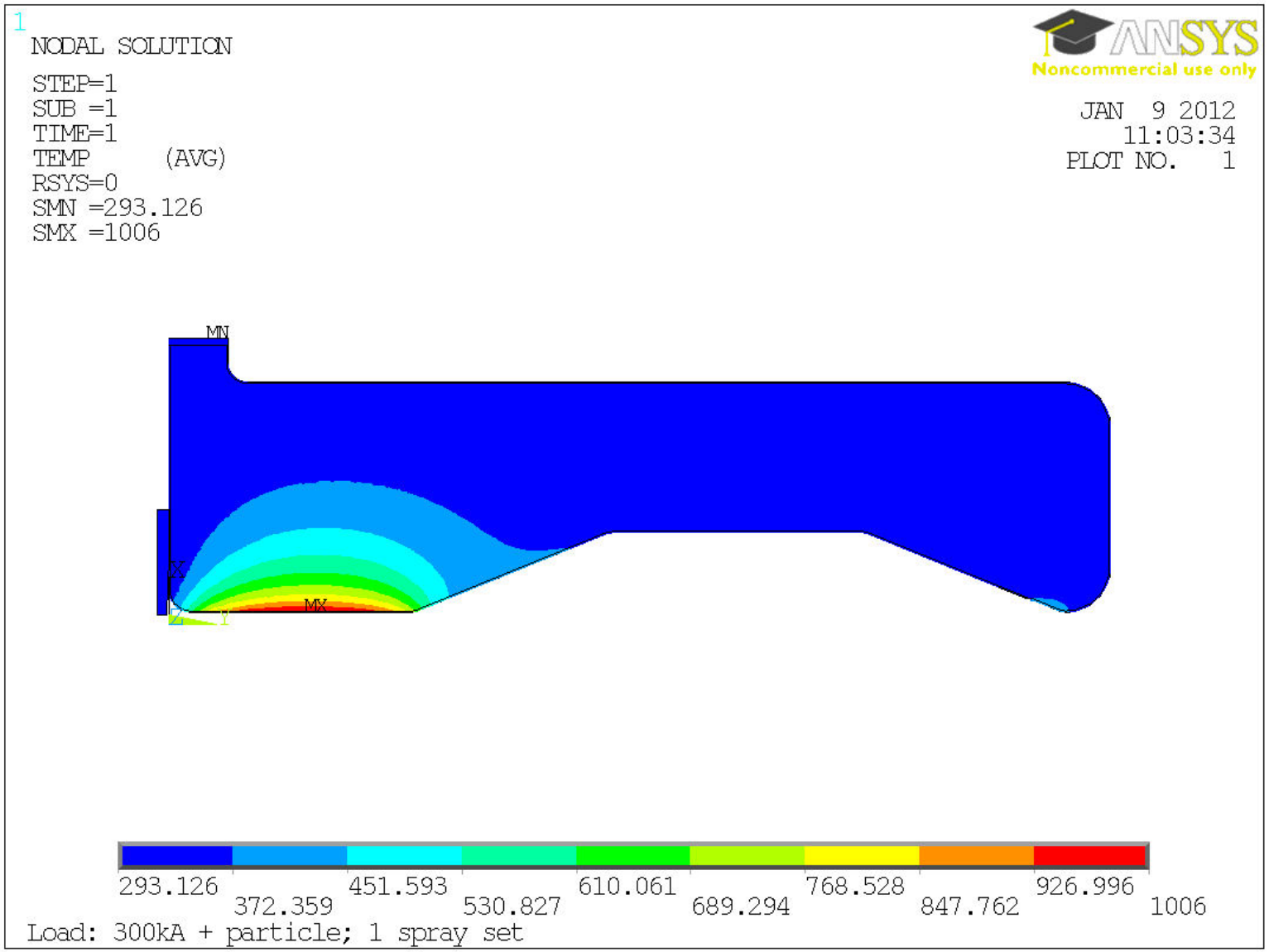
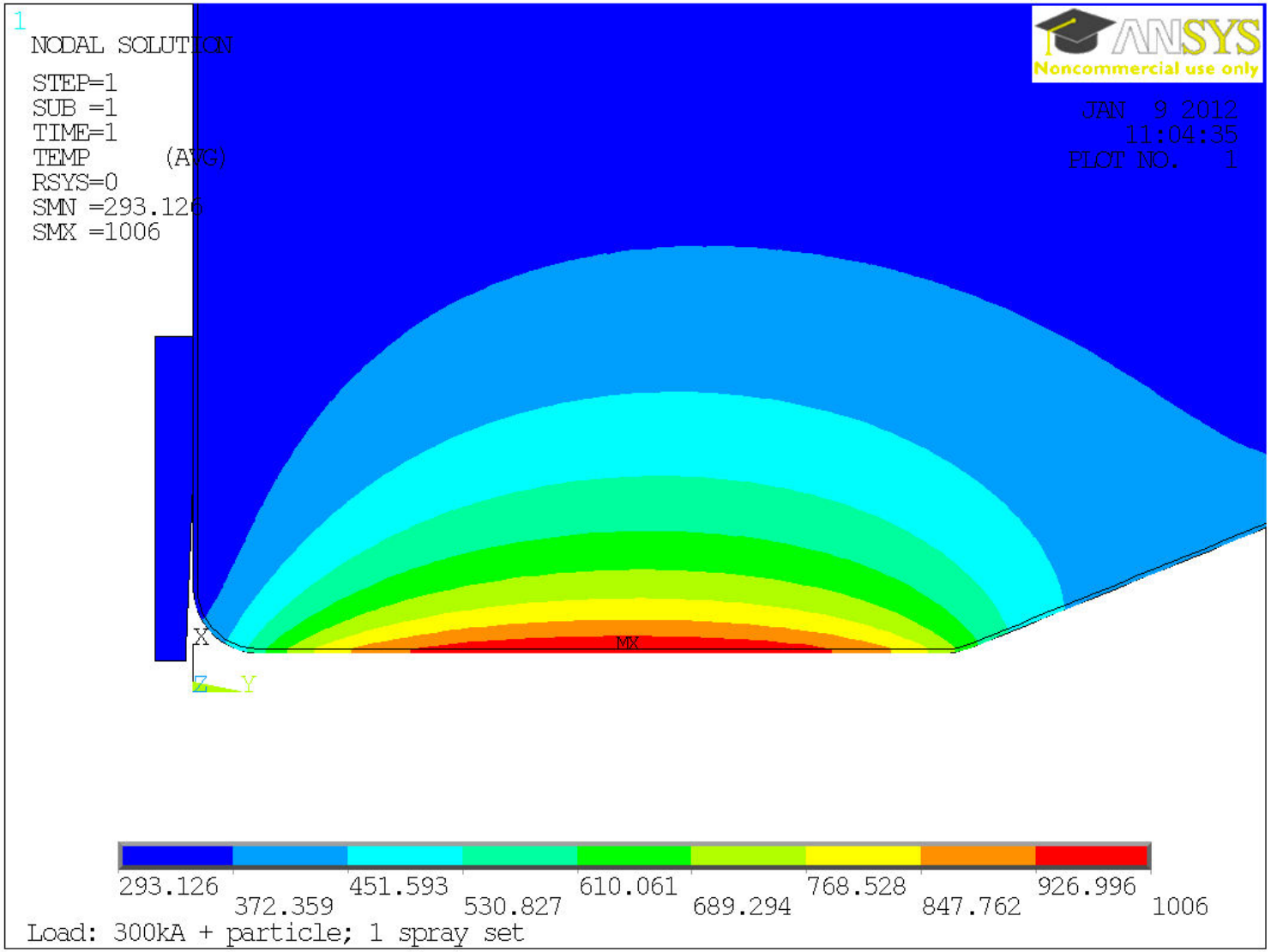
Thermo-mechanical analysis of front plate supported horn

Revision of temperature induced stress level

Jan Bielski

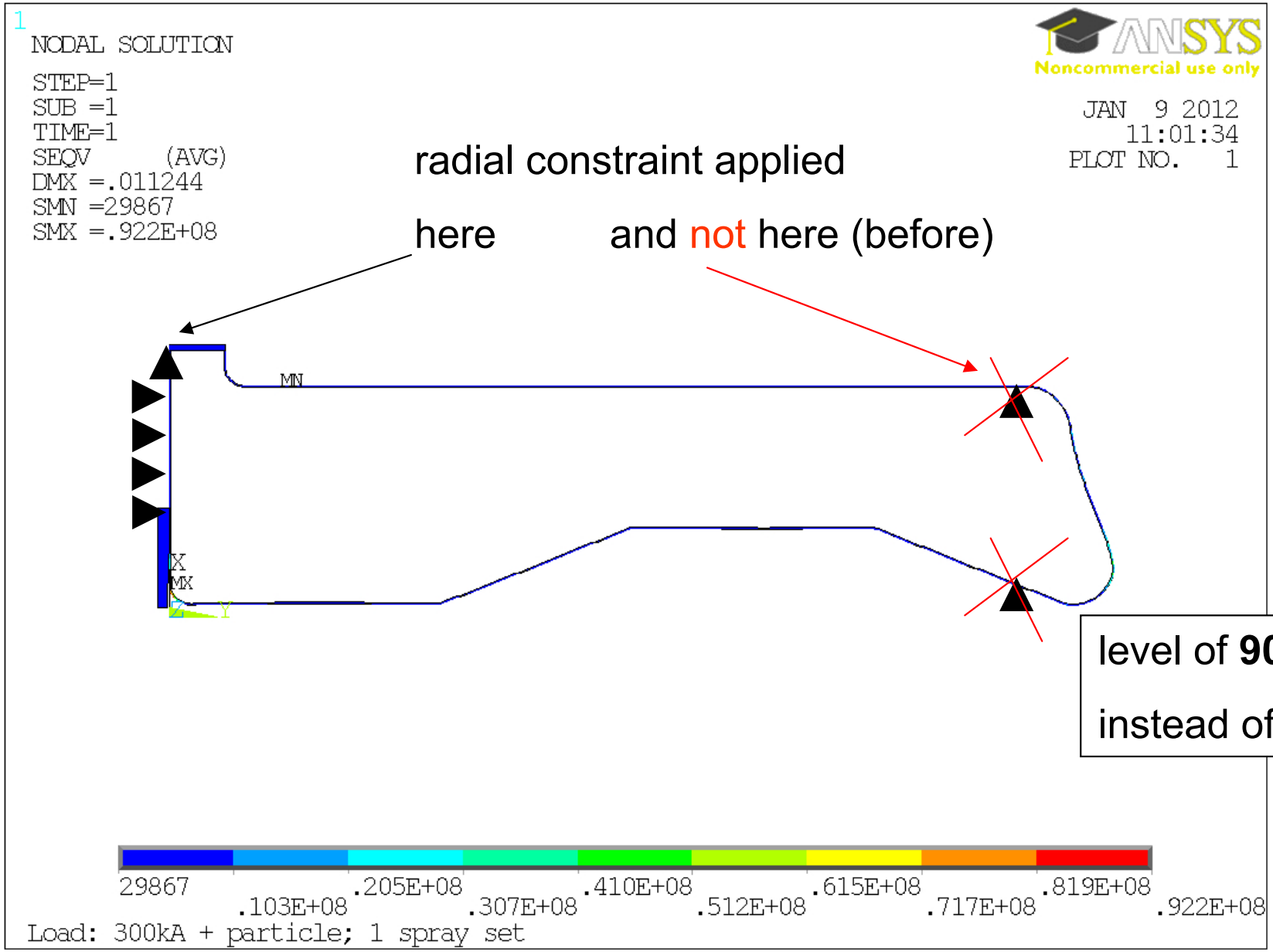


Temperature distribution due to current impulse of 300kA + secondary particle energy

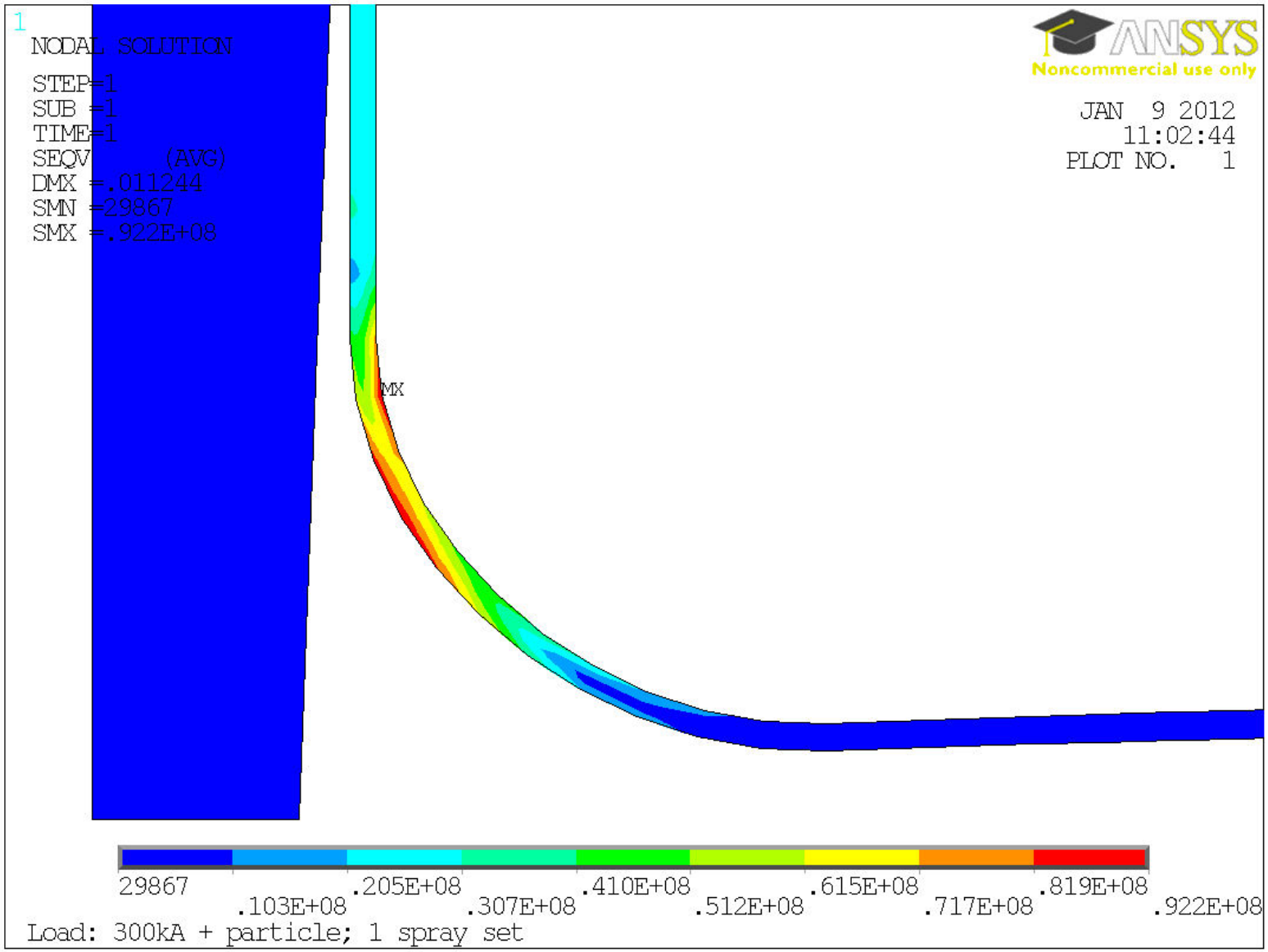


Temperature distribution due to current impulse of 300kA + secondary particle energy

Still **too high** temperature level near target



Equivalent thermal stress distribution due to current impulse of 300kA + secondary particle energy



Equivalent thermal stress distribution due to current impulse of 300kA + secondary particle energy