

# CHROMATIC ATOMS OF STRING BORDISM

GERD LAURES

I will talk about irreducible components of the Thom spectrum  $MString$  associated to the 7-connected cover of  $BO$ . I will develop a Milnor-Moore theorem for non graded Hopf algebras in order to show that in the  $K(2)$ -local category the smash product of  $MString$  and the “small” spectrum  $T_2$  splits into copies of Morava  $E$ -theories. Here,  $T_2$  is related to the Thom spectrum of the canonical bundle over  $\Omega SU(4)$ .